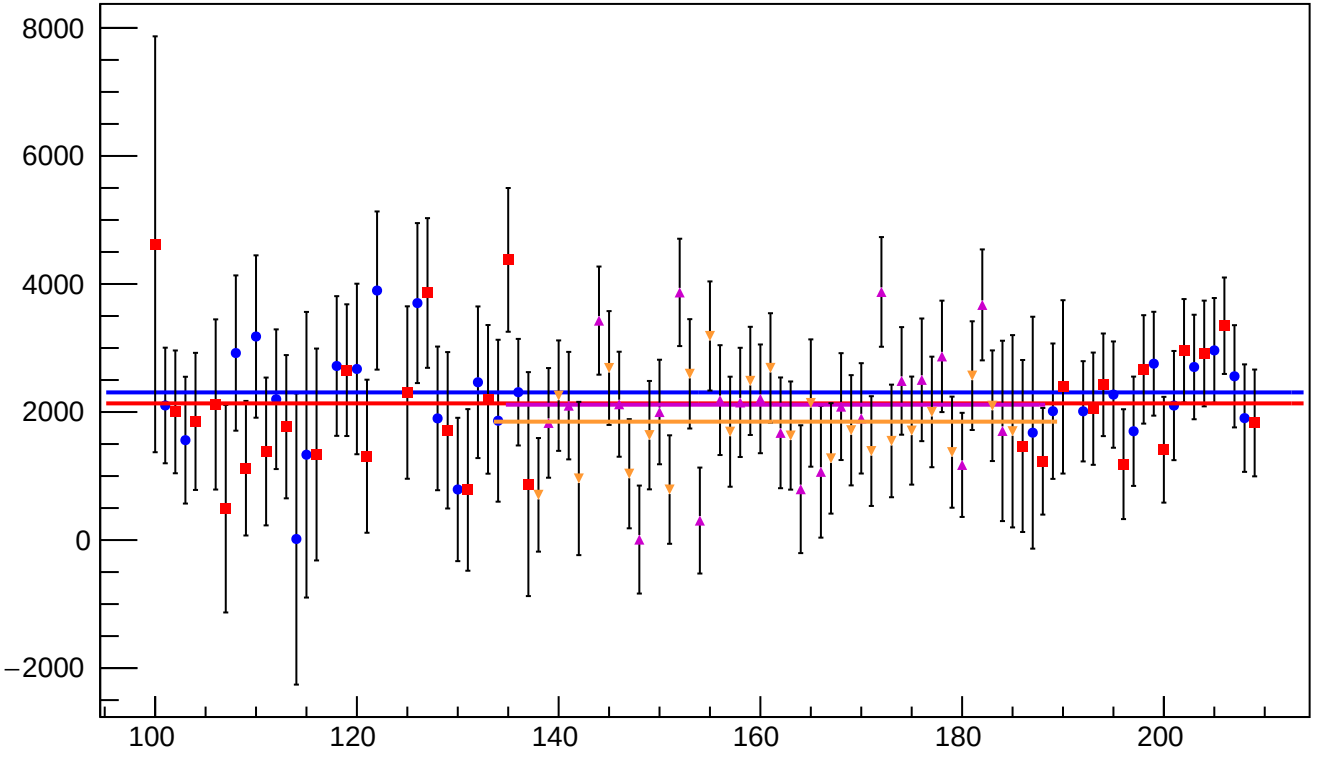
reg_asym_us_avg_mean vs Slug, Sign Corrected



Right In: 2306.510+/-194.684 χ^2/NDF: 10.2/26

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

Right Out: 2134.981+/-189.932 χ^2/NDF: 20.7/29

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

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

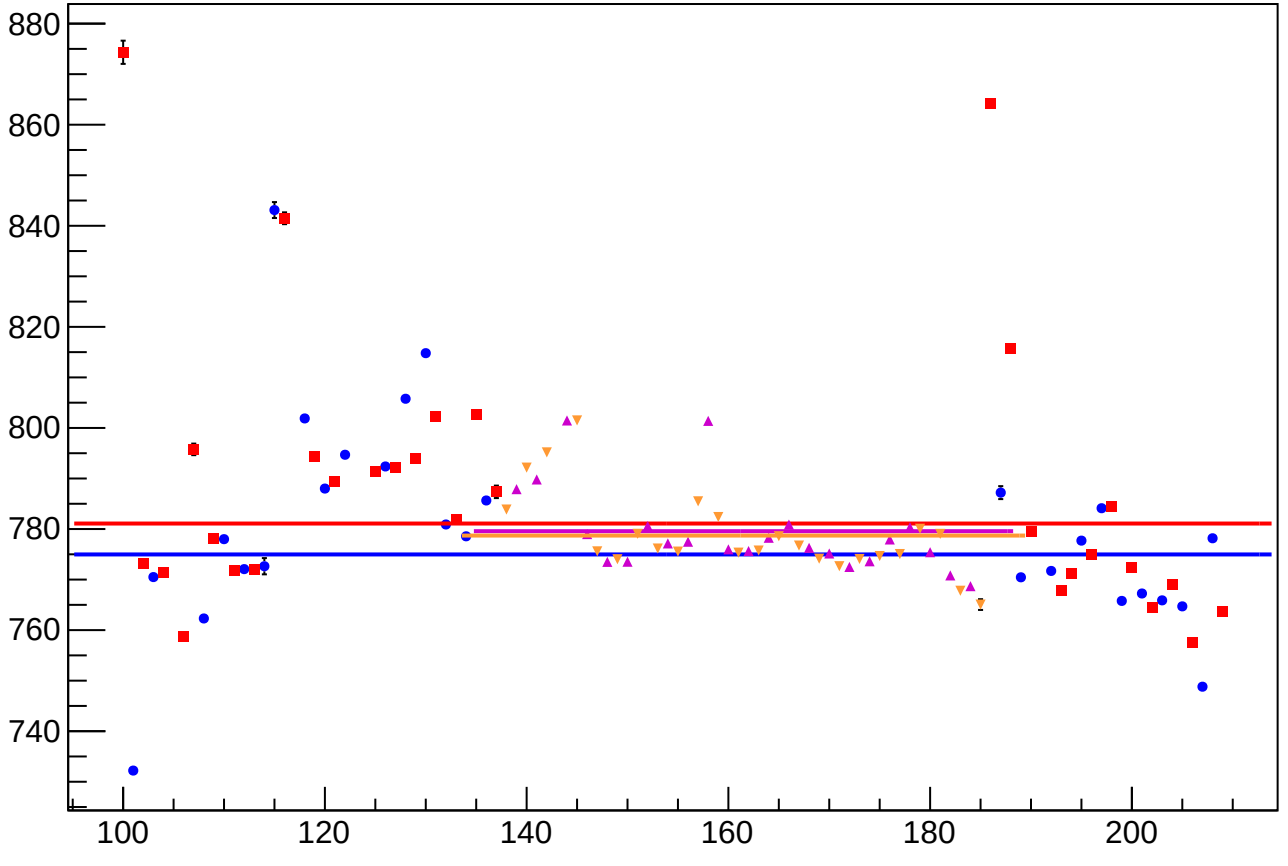
Right: 2218.627+/-135.951 χ^2/NDF: 31.3/56

In: 2204.030+/-132.962 χ^2/NDF:41.8/49

Out: 1985.213+/-130.931 χ^2/NDF:34.8/53

All: 2092.937+/-93.292 χ^2/NDF: 77.9/103

reg_asym_us_avg_rms vs Slug, Sign Corrected



Right In: 774.973+/-0.138 χ^2/NDF: 16951.9/26

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

Right Out: 781.088+/-0.134 χ^2/NDF: 24229.7/29

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

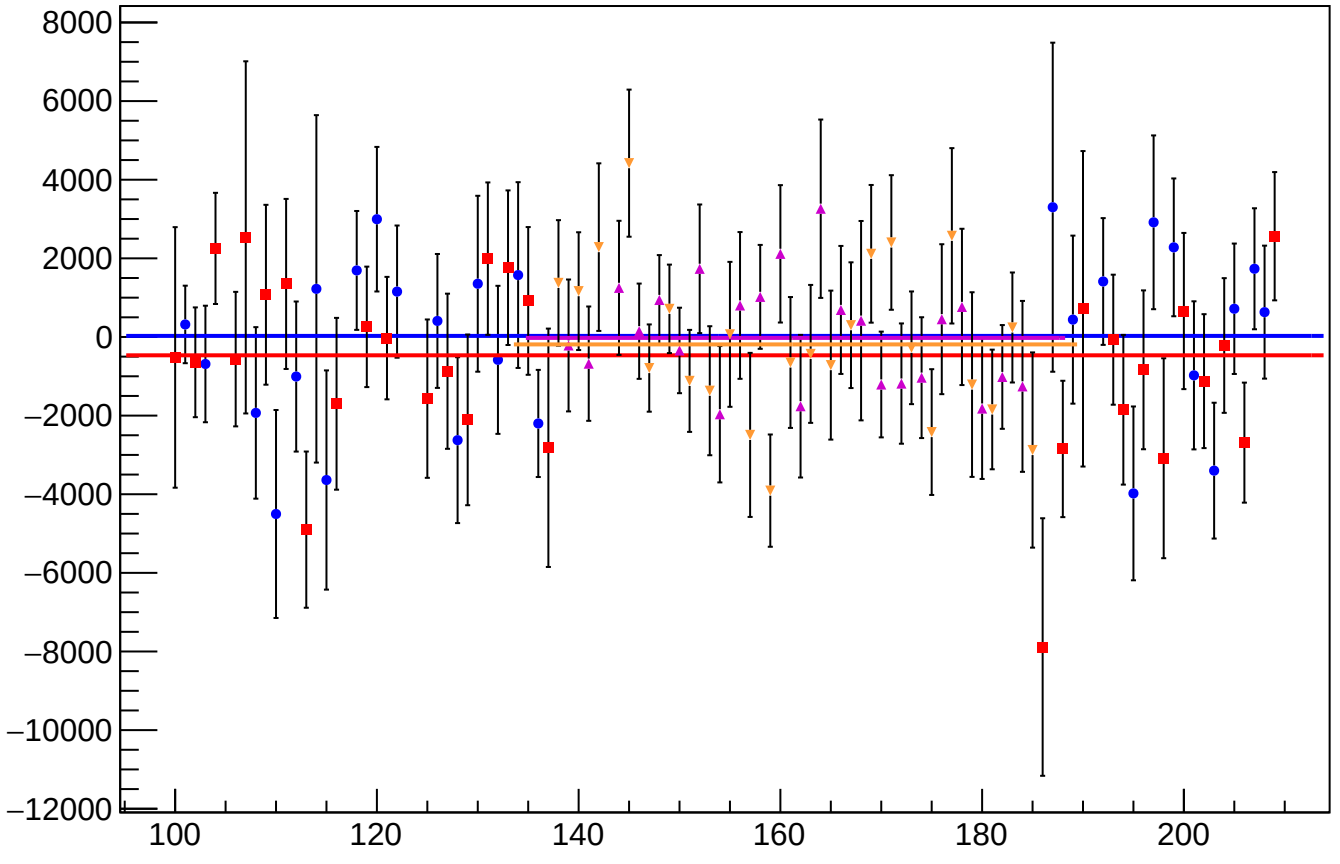
Left: 779.138+/-0.091 χ^2/NDF: 7585.5/46

Right: 778.106+/-0.096 χ^2/NDF: 42192.6/56

In: 777.428+/-0.094 χ^2/NDF:21720.9/49

Out: 779.839+/-0.093 χ^2/NDF:27784.3/53

All: 778.652+/-0.066 χ^2/NDF: 49839.1/103



Right In: 27.301+/-347.203 χ^2/NDF: 29.4/26

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

Right Out: -466.335+/-351.211 χ^2/NDF: 30.7/29

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

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

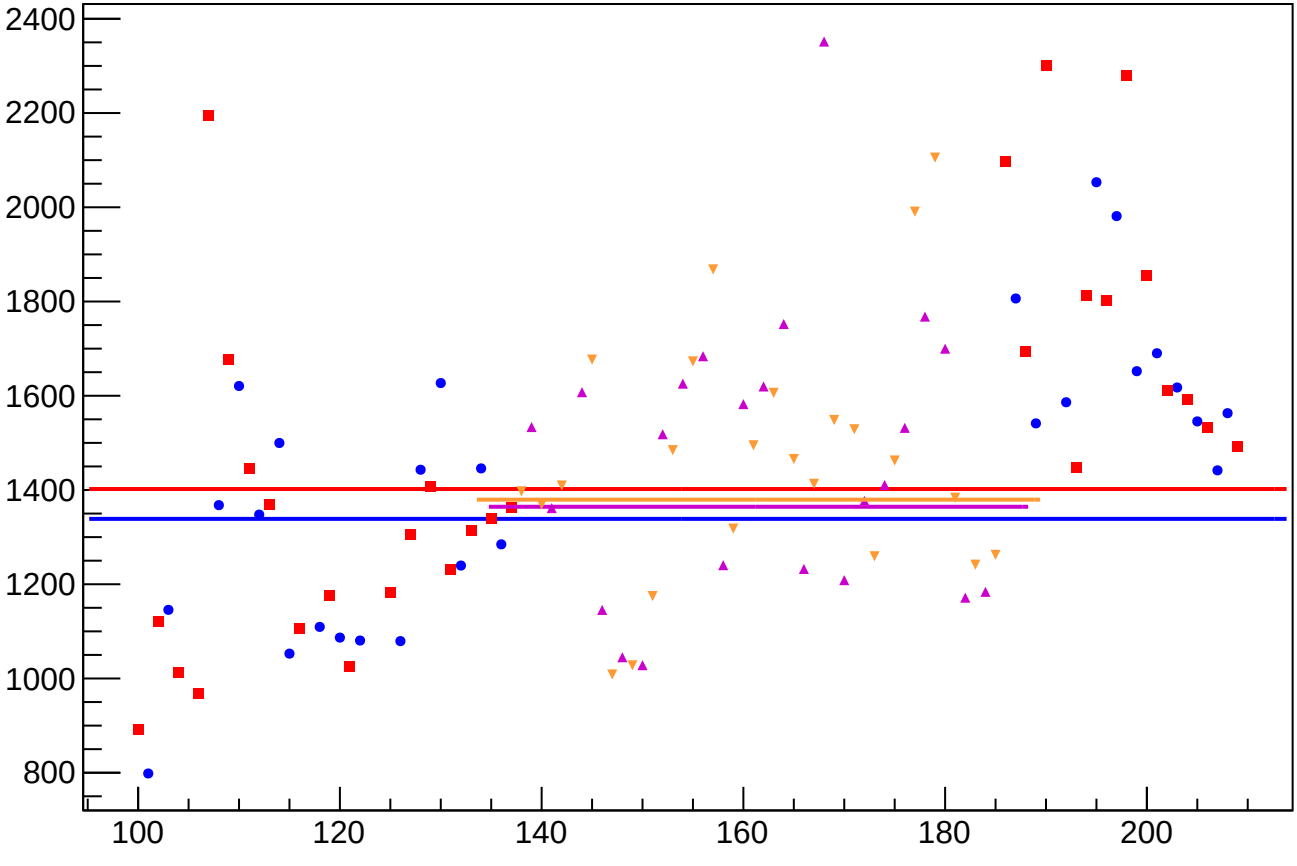
Right: -216.684+/-246.914 χ^2/NDF: 61.1/56

In: 0.154+/-237.585 χ^2/NDF:42.9/49

Out: -318.067+/-239.590 χ^2/NDF:60.7/53

All: -157.620+/-168.702 χ^2/NDF: 104.4/103

asym_us_avg_reg_correction_rms vs Slug, Sign Corrected



Right In: 1338.730+/-0.246 χ^2/NDF: 1638248.7/26

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

Right Out: 1402.116+/-0.248 χ^2/NDF: 1587964.9/29

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

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

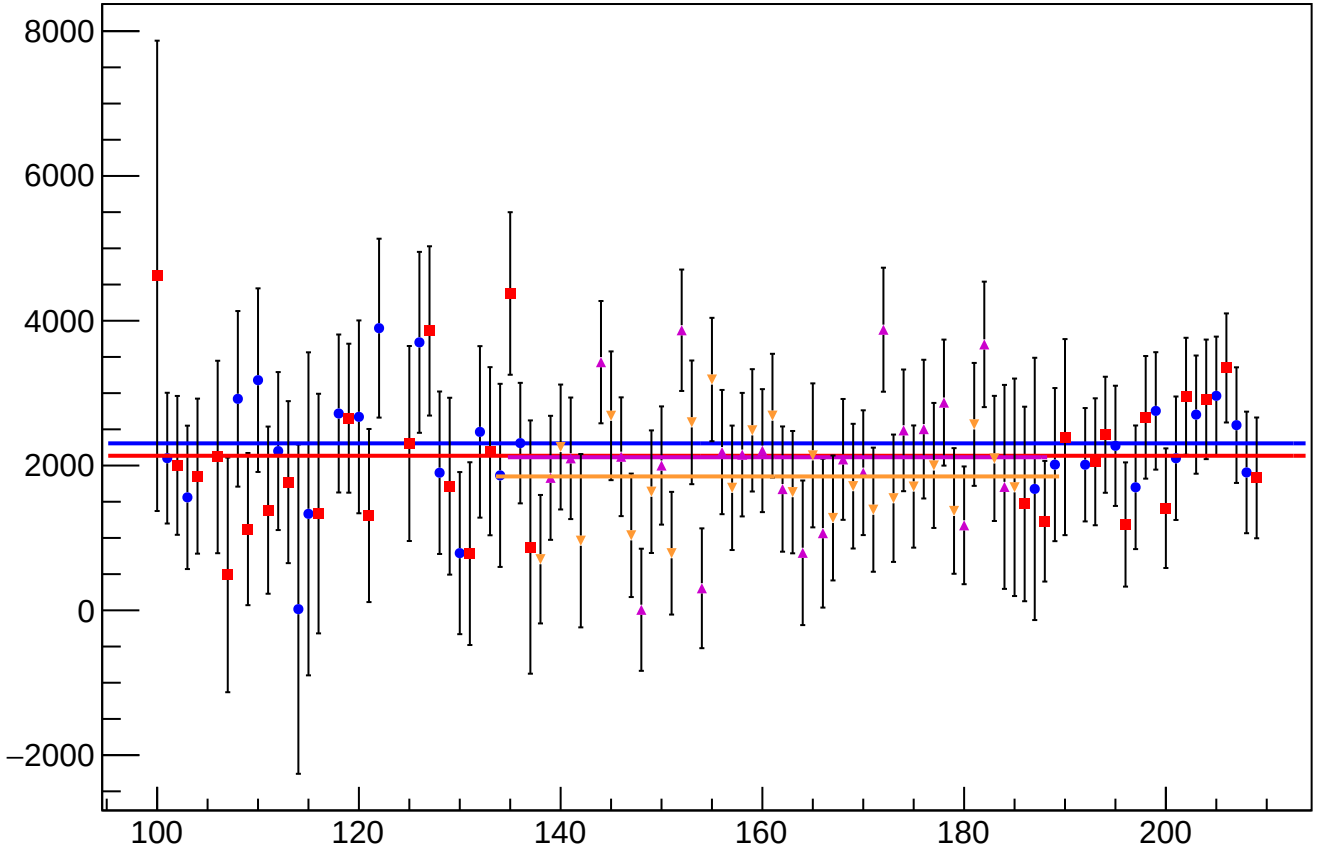
Right: 1370.059+/-0.175 χ^2/NDF: 3259160.1/56

In: 1352.386+/-0.168 χ^2/NDF:2956367.1/49

Out: 1390.044+/-0.169 χ^2/NDF:2750853.1/53

All: 1371.057+/-0.119 χ^2/NDF: 5732132.0/10

cor_asym_us_avg_mean vs Slug, Sign Corrected



Right In: 2306.510+/-194.684 χ^2/NDF: 10.2/26

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

Right Out: 2134.981+/-189.932 χ^2/NDF: 20.7/29

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

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

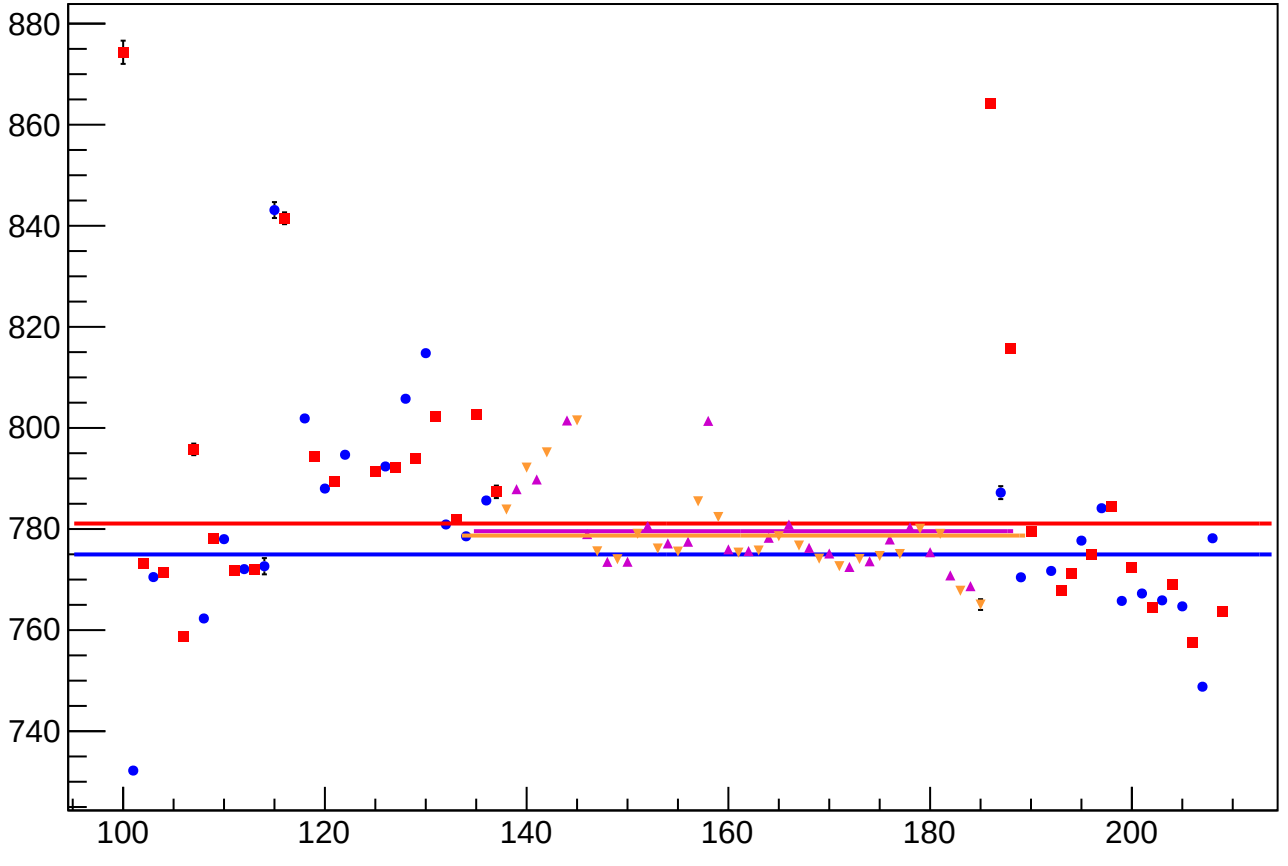
Right: 2218.627+/-135.951 χ^2/NDF: 31.3/56

In: 2204.030+/-132.962 χ^2/NDF:41.8/49

Out: 1985.213+/-130.931 χ^2/NDF:34.8/53

All: 2092.937+/-93.292 χ^2/NDF: 77.9/103

cor_asym_us_avg_rms vs Slug, Sign Corrected



Right In: 774.973+/-0.138 χ^2/NDF: 16951.9/26

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

Right Out: 781.088+/-0.134 χ^2/NDF: 24229.7/29

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

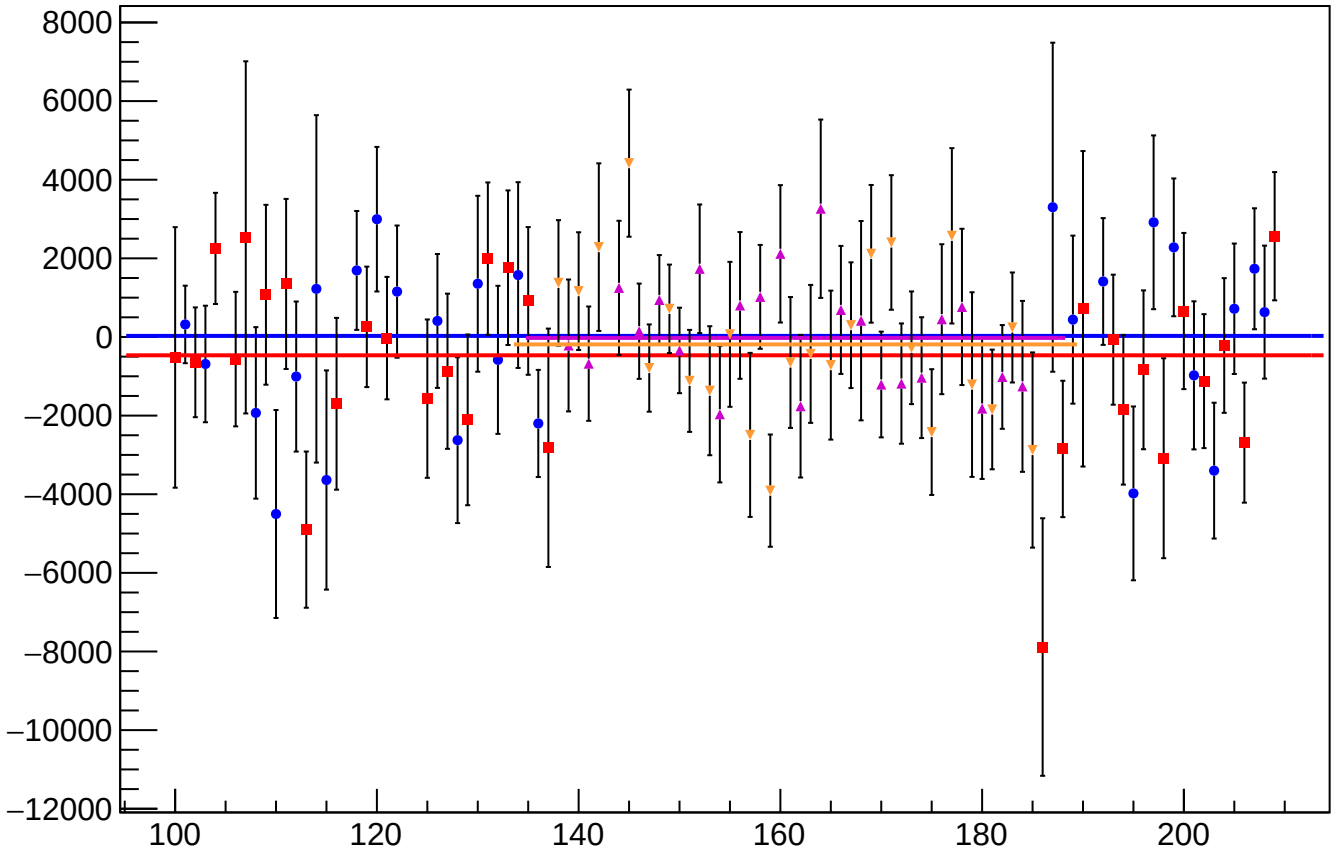
Left: 779.138+/-0.091 χ^2/NDF: 7585.5/46

Right: 778.106+/-0.096 χ^2/NDF: 42192.6/56

In: 777.428+/-0.094 χ^2/NDF:21720.9/49

Out: 779.839+/-0.093 χ^2/NDF:27784.3/53

All: 778.652+/-0.066 χ^2/NDF: 49839.1/103



Right In: 27.301+/-347.203 χ^2/NDF: 29.4/26

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

Right Out: -466.335+/-351.211 χ^2/NDF: 30.7/29

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

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

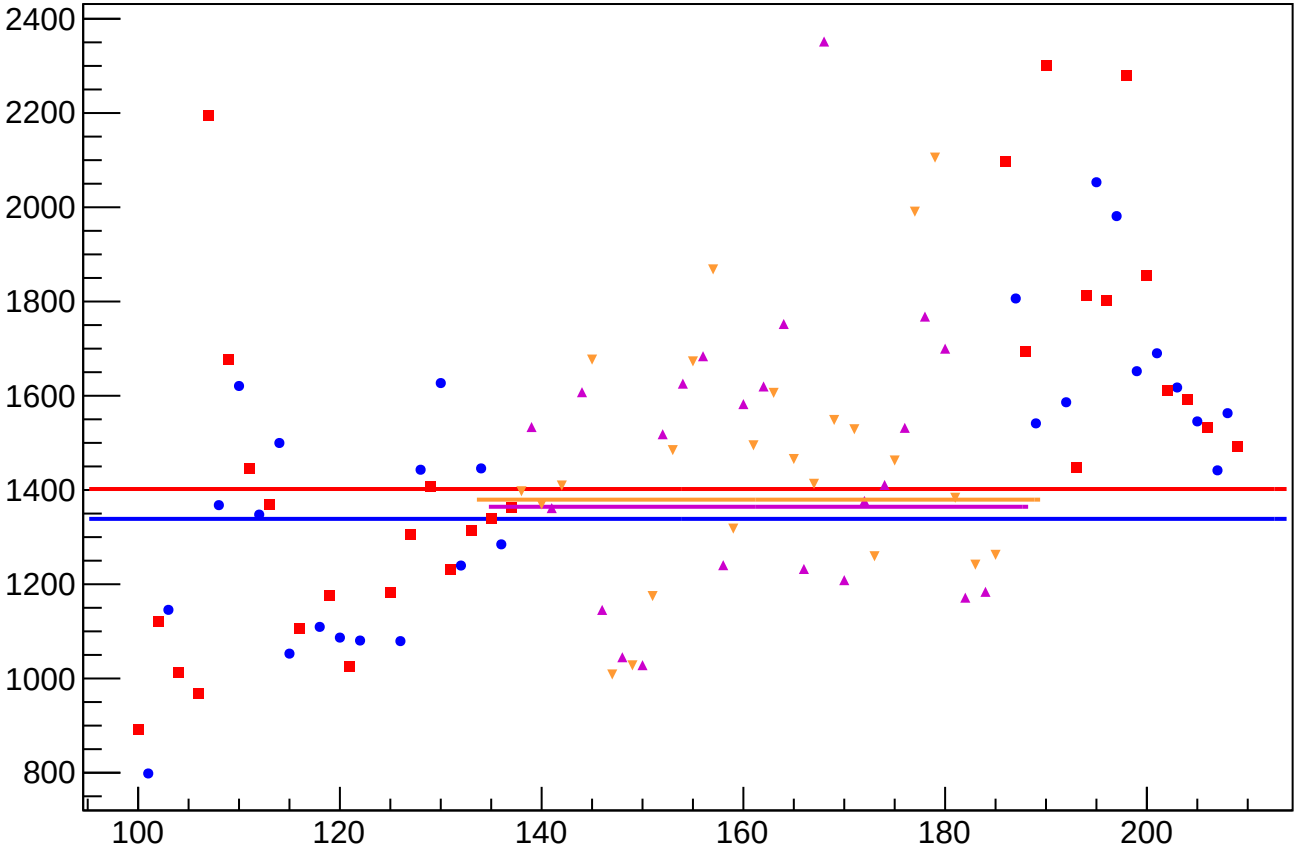
Right: -216.684+/-246.914 χ^2/NDF: 61.1/56

In: 0.154+/-237.585 χ^2/NDF:42.9/49

Out: -318.067+/-239.590 χ^2/NDF:60.7/53

All: -157.620+/-168.702 χ^2/NDF: 104.4/103

asym_us_avg_cor_correction_rms vs Slug, Sign Corrected



Right In: 1338.730+/-0.246 χ^2/NDF: 1638248.7/26

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

Right Out: 1402.116+/-0.248 χ^2/NDF: 1587964.9/29

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

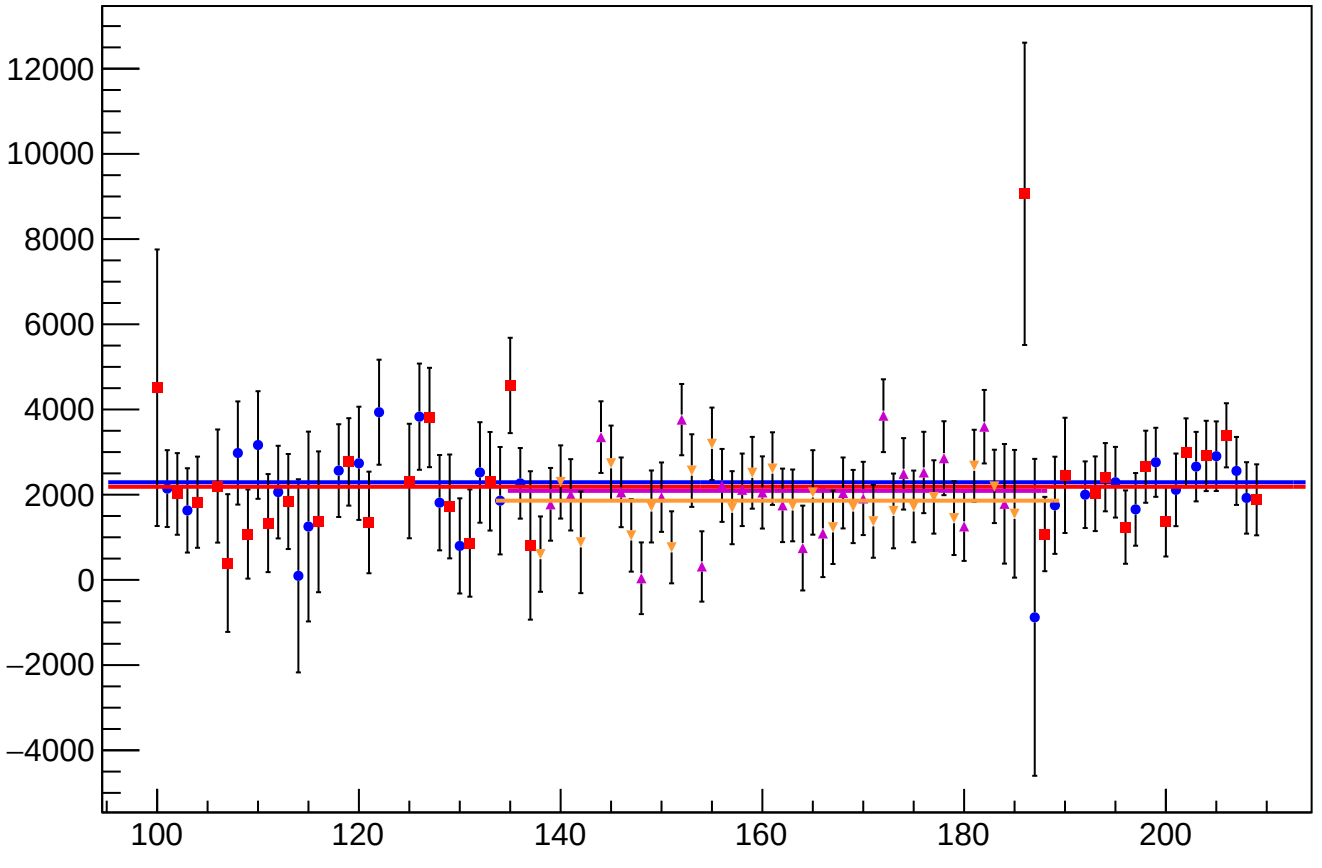
Left: 1371.931+/-0.163 χ^2/NDF: 2472910.6/46

Right: 1370.059+/-0.175 χ^2/NDF: 3259160.1/56

In: 1352.386+/-0.168 χ^2/NDF:2956367.1/49

Out: 1390.044+/-0.169 χ^2/NDF:2750853.1/53

All: 1371.057+/-0.119 χ^2/NDF: 5732132.0/10



Right In: 2291.293+/-195.706 χ^2/NDF: 11.2/26

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

Right Out: 2185.196+/-191.785 χ^2/NDF: 25.5/29

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

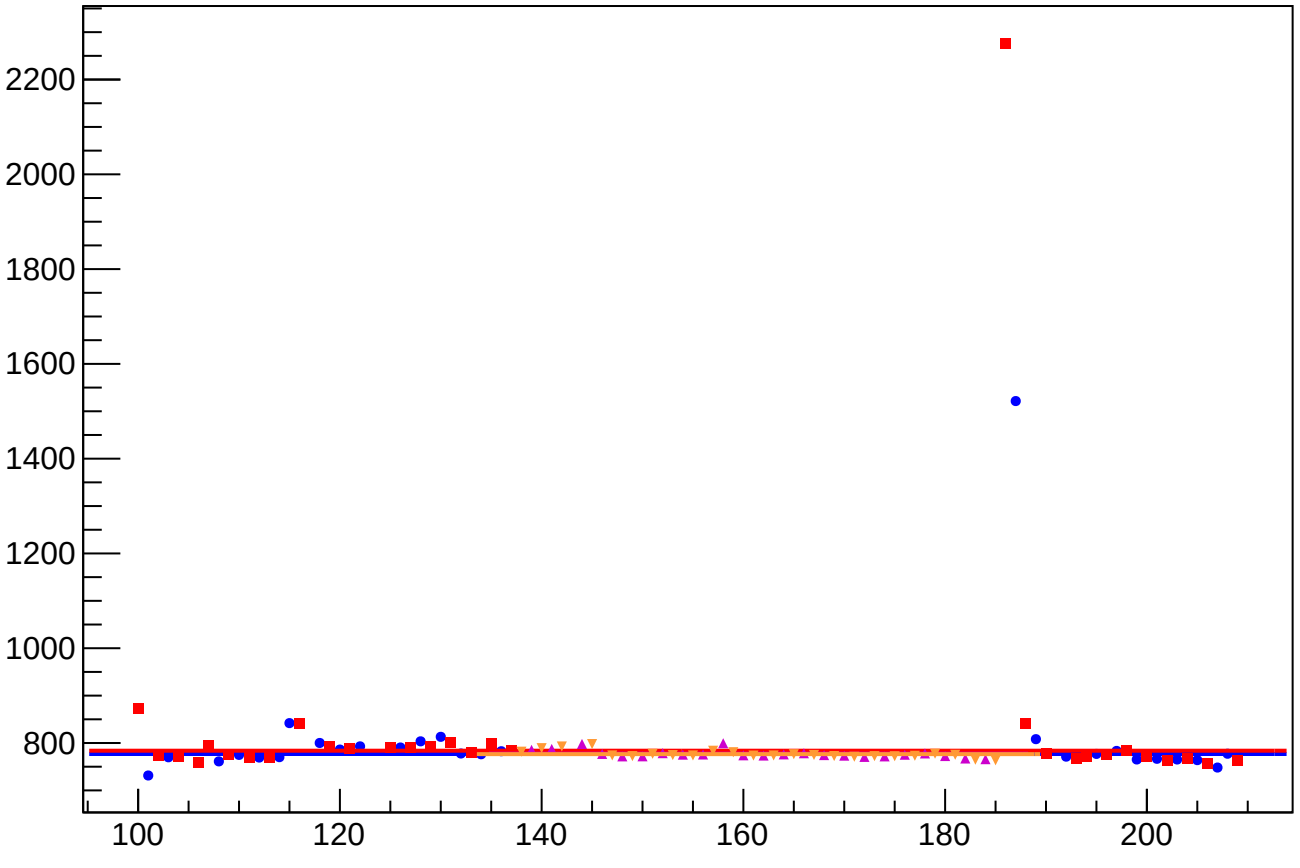
Left: 1973.689+/-127.897 χ^2/NDF: 43.9/46

Right: 2237.171+/-136.978 χ^2/NDF: 36.9/56

In: 2182.816+/-133.088 χ^2/NDF:41.4/49

Out: 2012.257+/-131.337 χ^2/NDF:40.6/53

All: 2096.407+/-93.482 χ^2/NDF: 82.8/103



Right In: 776.807+/-0.138 χ^2/NDF: 98325.6/26

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

Right Out: 783.753+/-0.136 χ^2/NDF: 377144.5/29

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

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

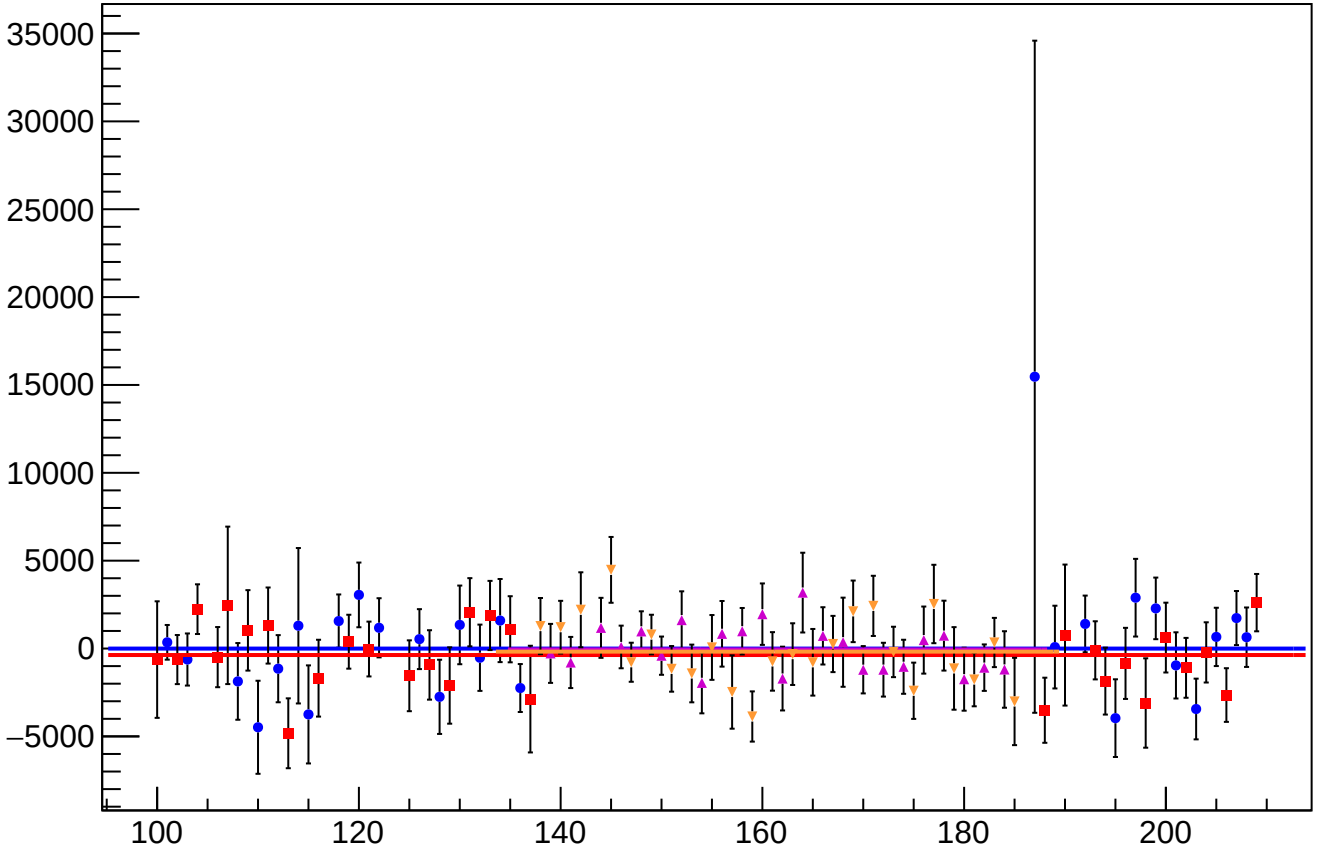
Right: 780.350+/-0.097 χ^2/NDF: 476755.3/56

In: 777.132+/-0.094 χ^2/NDF:102398.0/49

Out: 779.914+/-0.093 χ^2/NDF:381791.0/53

All: 778.541+/-0.066 χ^2/NDF: 484631.5/103

asym_us_avg_overload_cor_correction_mean vs Slug, Sign Corrected



Right In: -2.659+/-349.408 χ^2/NDF: 29.7/26

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

Right Out: -369.273+/-354.382 χ^2/NDF: 26.5/28

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

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

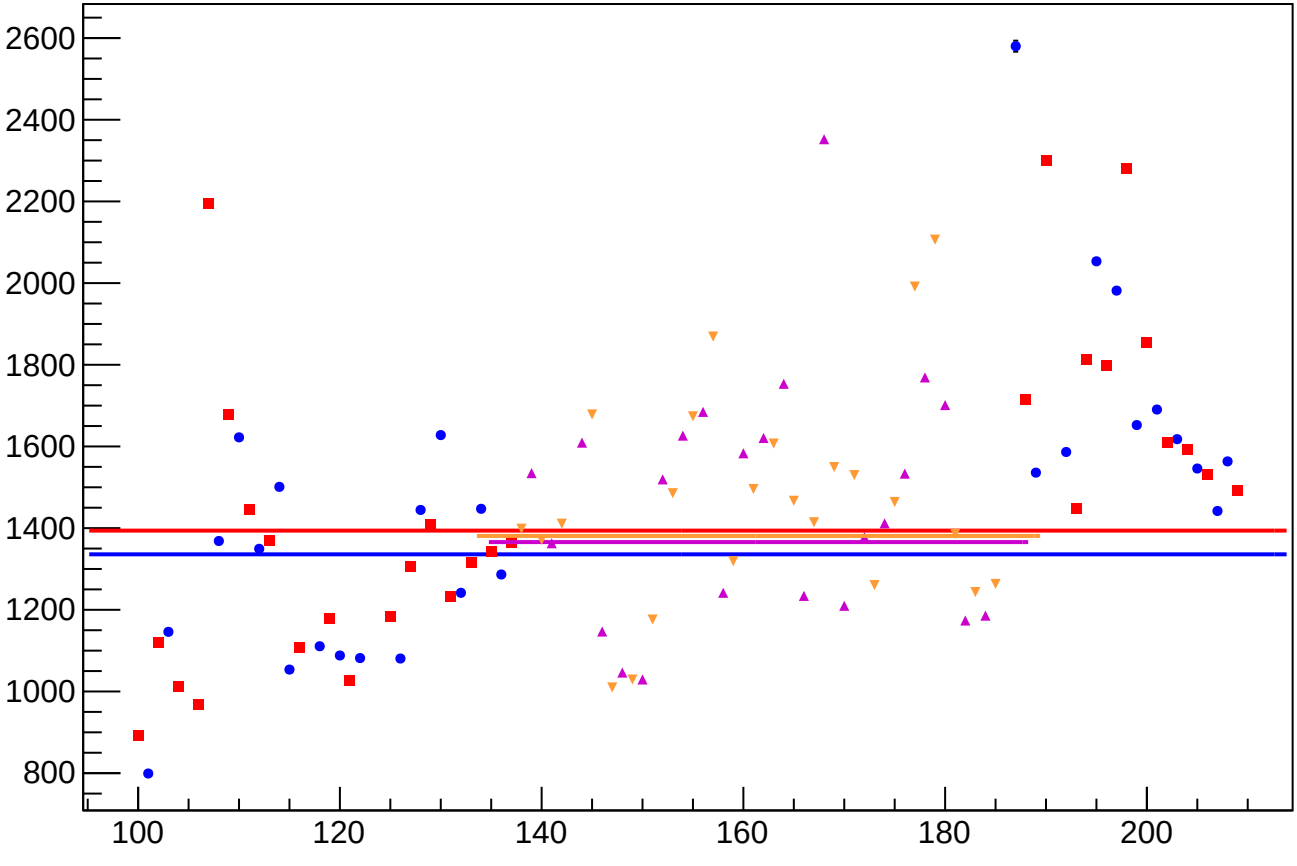
Right: -183.375+/-248.809 χ^2/NDF: 56.8/55

In: -29.467+/-238.411 χ^2/NDF:42.7/49

Out: -264.597+/-240.714 χ^2/NDF:56.3/52

All: -145.902+/-169.391 χ^2/NDF: 99.5/102

asym_us_avg_overload_cor_correction_rms vs Slug, Sign Corrected



Right In: 1335.856+/-0.247 χ^2/NDF: 1613355.1/26

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

Right Out: 1393.933+/-0.251 χ^2/NDF: 1490636.6/28

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

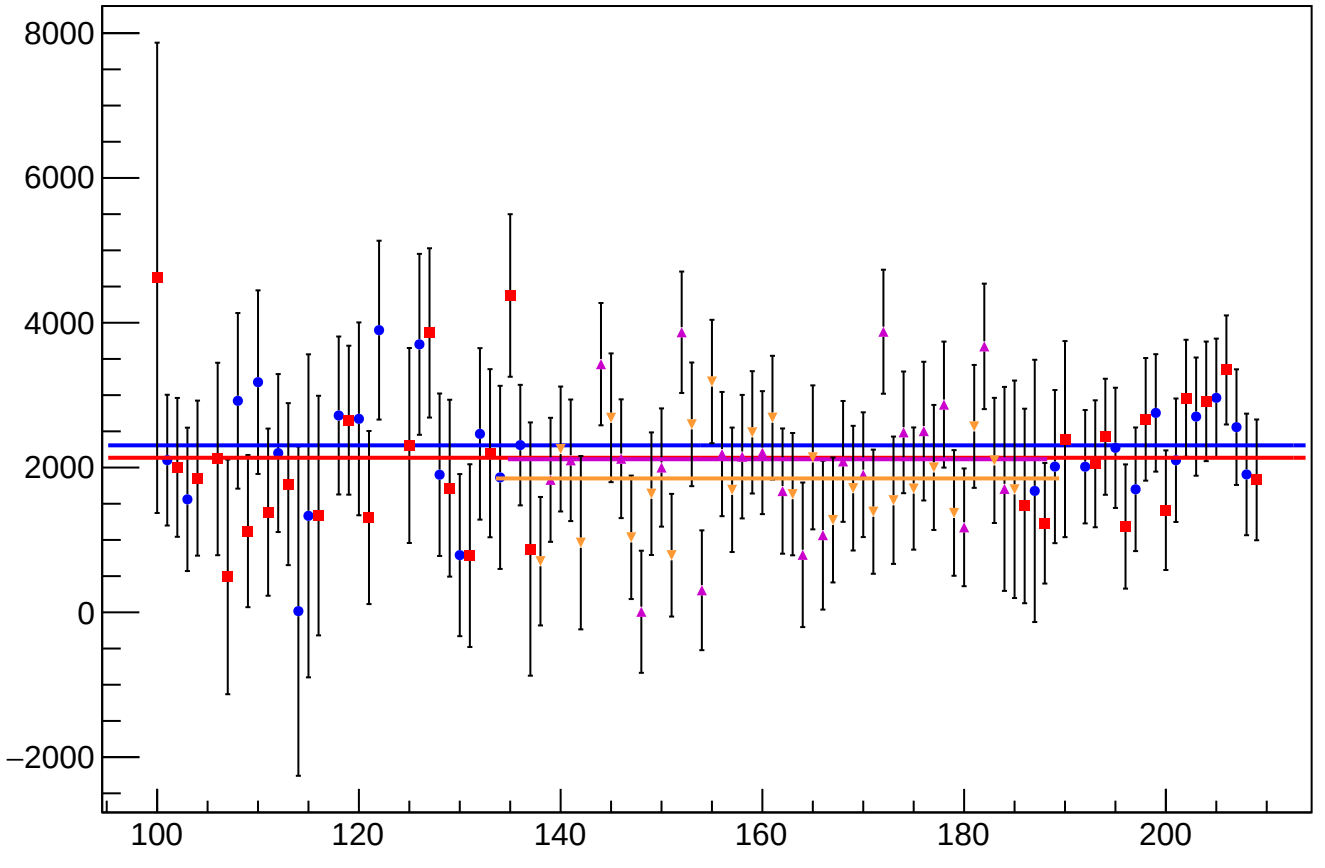
Left: 1373.338+/-0.164 χ^2/NDF: 2466443.3/46

Right: 1364.484+/-0.176 χ^2/NDF: 3131228.1/55

In: 1351.865+/-0.169 χ^2/NDF:2930073.3/49

Out: 1386.941+/-0.170 χ^2/NDF:2647519.5/52

All: 1369.234+/-0.120 χ^2/NDF: 5599030.2/10



Right In: 2306.510+/-194.684 χ^2/NDF: 10.2/26

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

Right Out: 2134.981+/-189.932 χ^2/NDF: 20.7/29

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

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

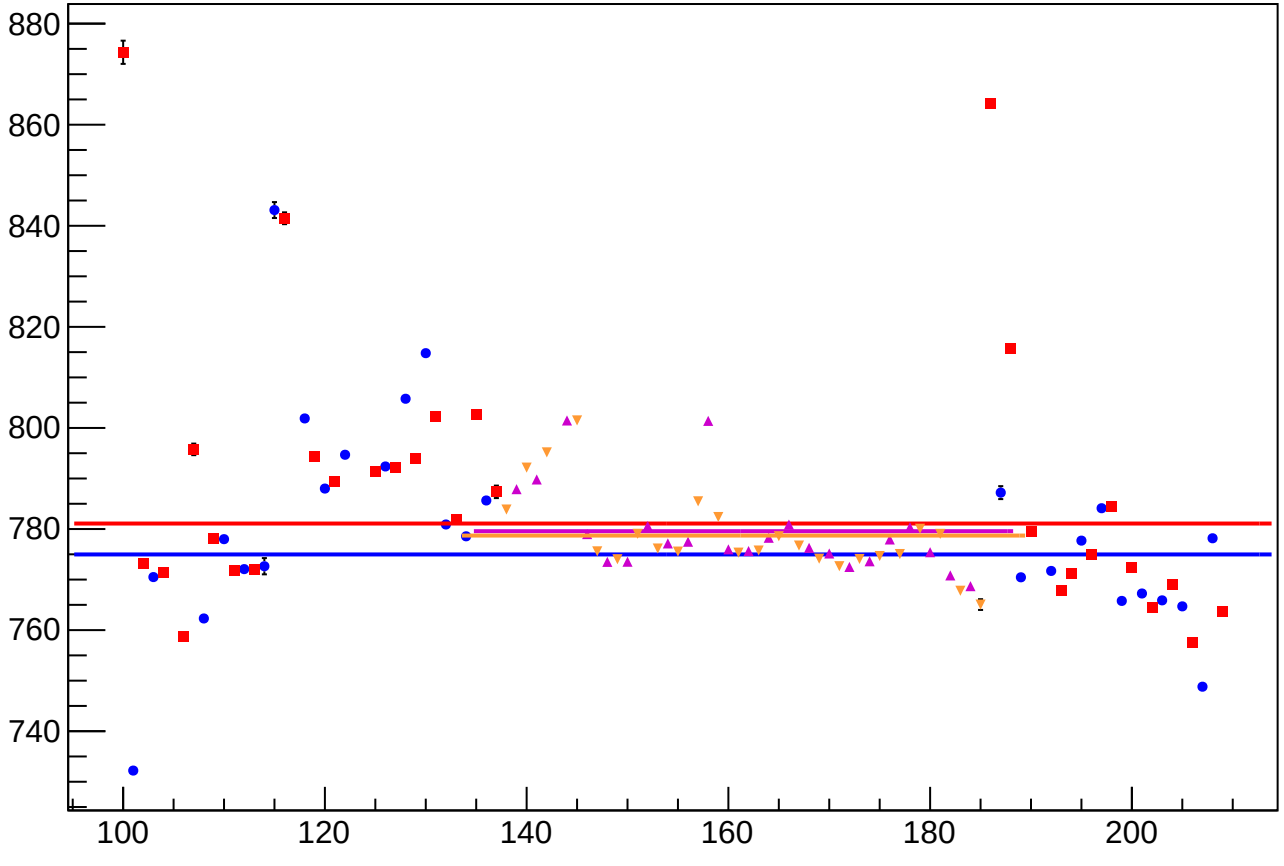
Right: 2218.627+/-135.951 χ^2/NDF: 31.3/56

In: 2204.030+/-132.962 χ^2/NDF:41.8/49

Out: 1985.213+/-130.931 χ^2/NDF:34.8/53

All: 2092.937+/-93.292 χ^2/NDF: 77.9/103

eigen_cor_asym_us_avg_rms vs Slug, Sign Corrected



Right In: 774.973+/-0.138 χ^2/NDF: 16951.9/26

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

Right Out: 781.088+/-0.134 χ^2/NDF: 24229.7/29

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

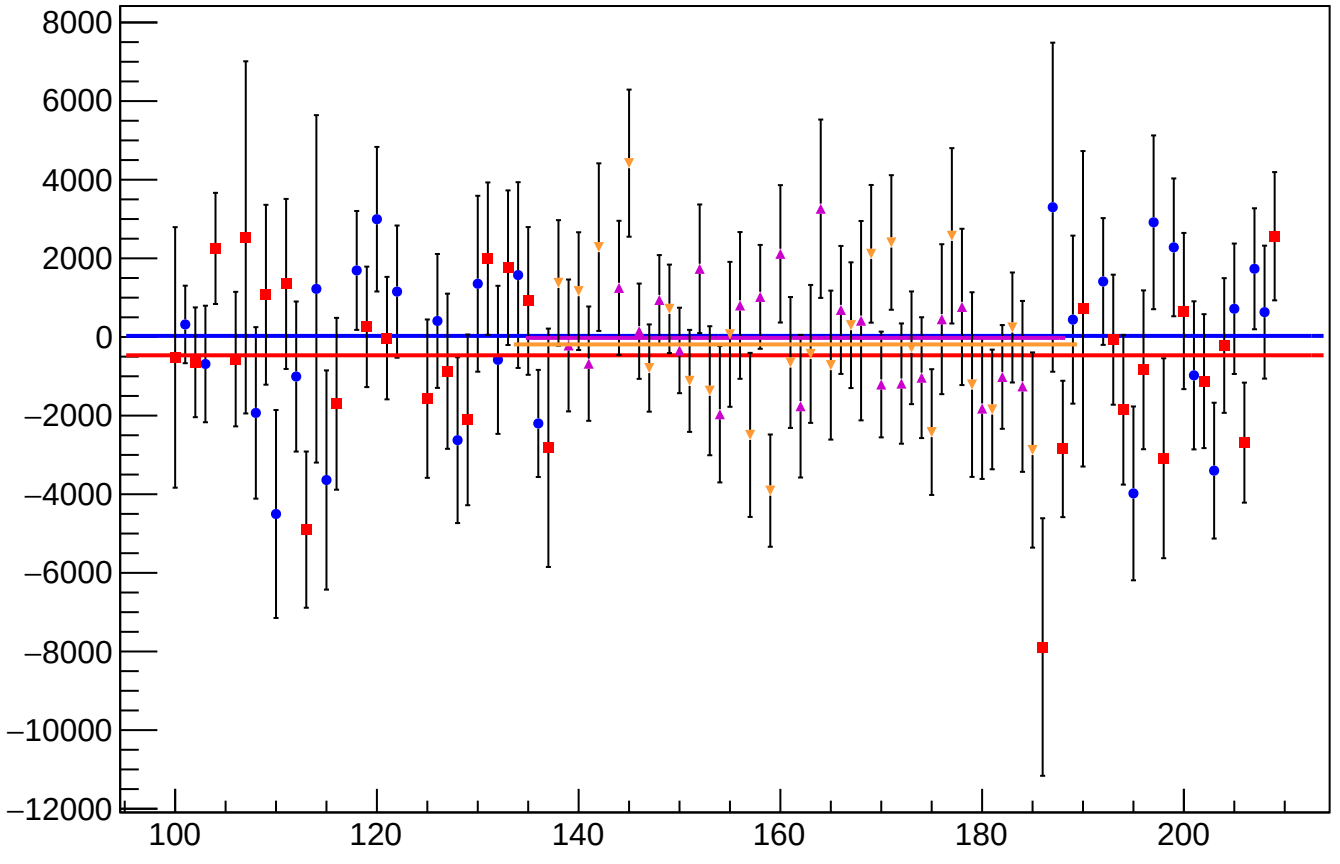
Left: 779.138+/-0.091 χ^2/NDF: 7585.5/46

Right: 778.106+/-0.096 χ^2/NDF: 42192.6/56

In: 777.428+/-0.094 χ^2/NDF:21720.9/49

Out: 779.839+/-0.093 χ^2/NDF:27784.3/53

All: 778.652+/-0.066 χ^2/NDF: 49839.1/103



Right In: 27.301+/-347.203 χ^2/NDF: 29.4/26

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

Right Out: -466.335+/-351.211 χ^2/NDF: 30.7/29

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

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

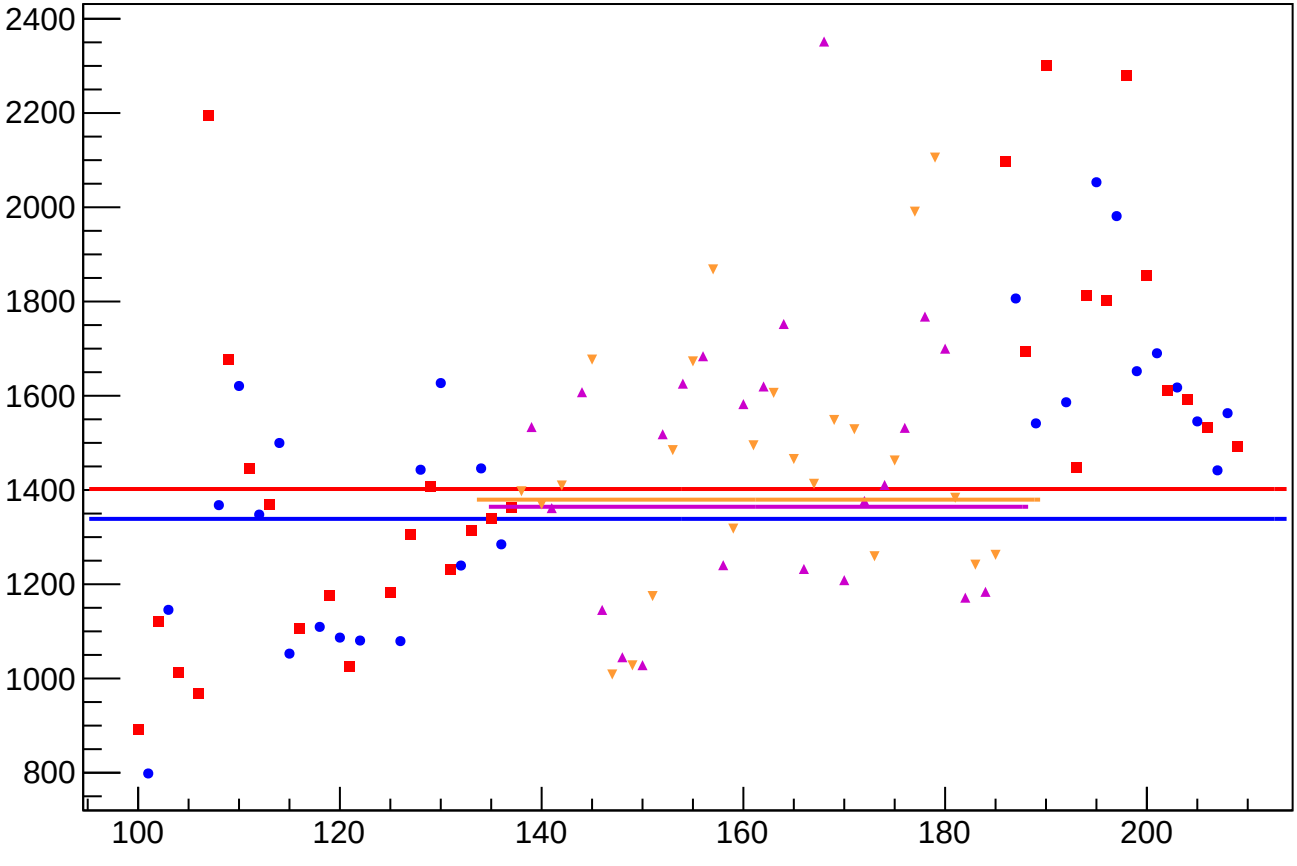
Right: -216.684+/-246.914 χ^2/NDF: 61.1/56

In: 0.154+/-237.585 χ^2/NDF:42.9/49

Out: -318.067+/-239.590 χ^2/NDF:60.7/53

All: -157.620+/-168.702 χ^2/NDF: 104.4/103

asym_us_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 1338.730+/-0.246 χ^2/NDF: 1638248.7/26

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

Right Out: 1402.116+/-0.248 χ^2/NDF: 1587964.9/29

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

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

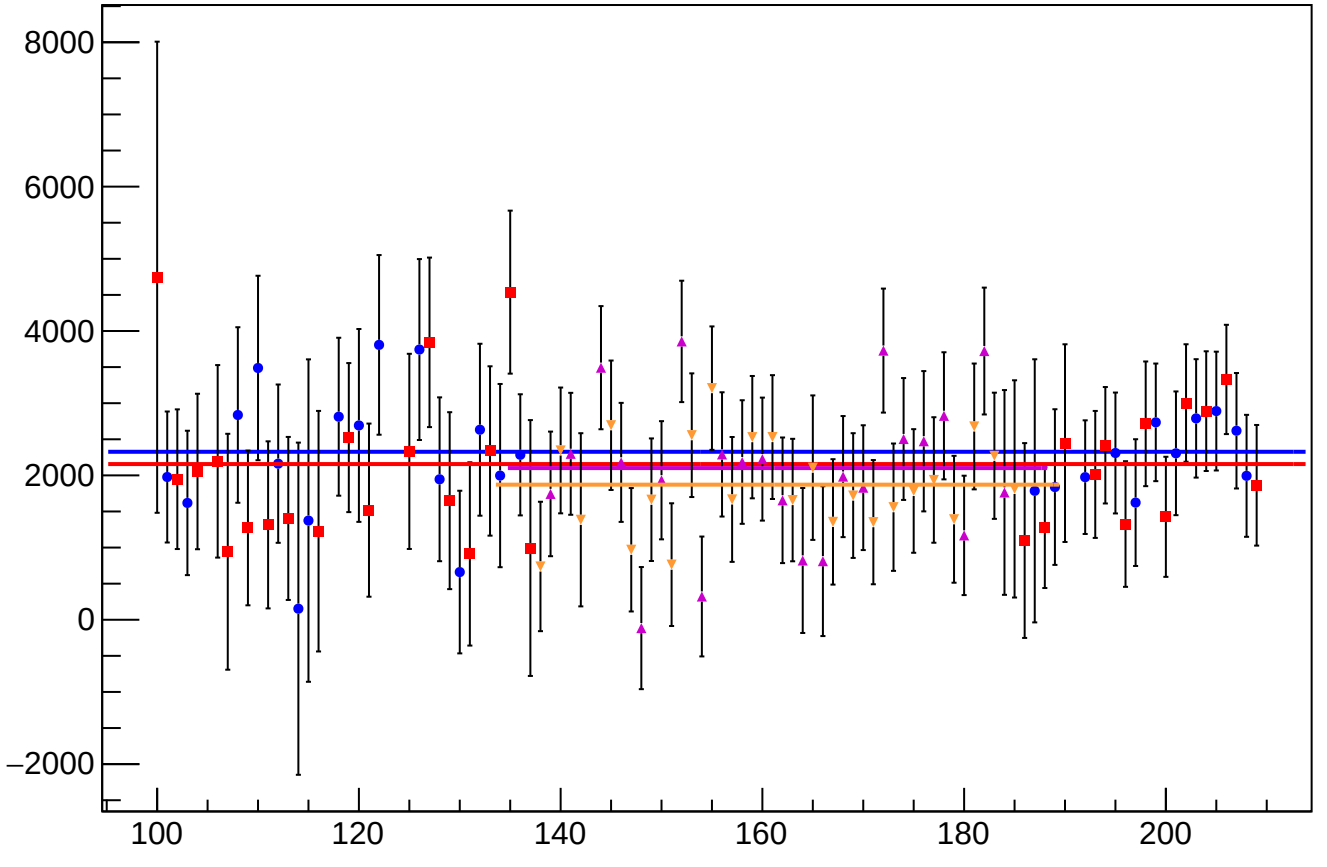
Right: 1370.059+/-0.175 χ^2/NDF: 3259160.1/56

In: 1352.386+/-0.168 χ^2/NDF:2956367.1/49

Out: 1390.044+/-0.169 χ^2/NDF:2750853.1/53

All: 1371.057+/-0.119 χ^2/NDF: 5732132.0/10

dit_asym_us_avg_mean vs Slug, Sign Corrected



Right In: 2326.947+/-196.081 χ^2/NDF: 10.6/26

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

Right Out: 2156.729+/-191.257 χ^2/NDF: 20.1/29

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

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

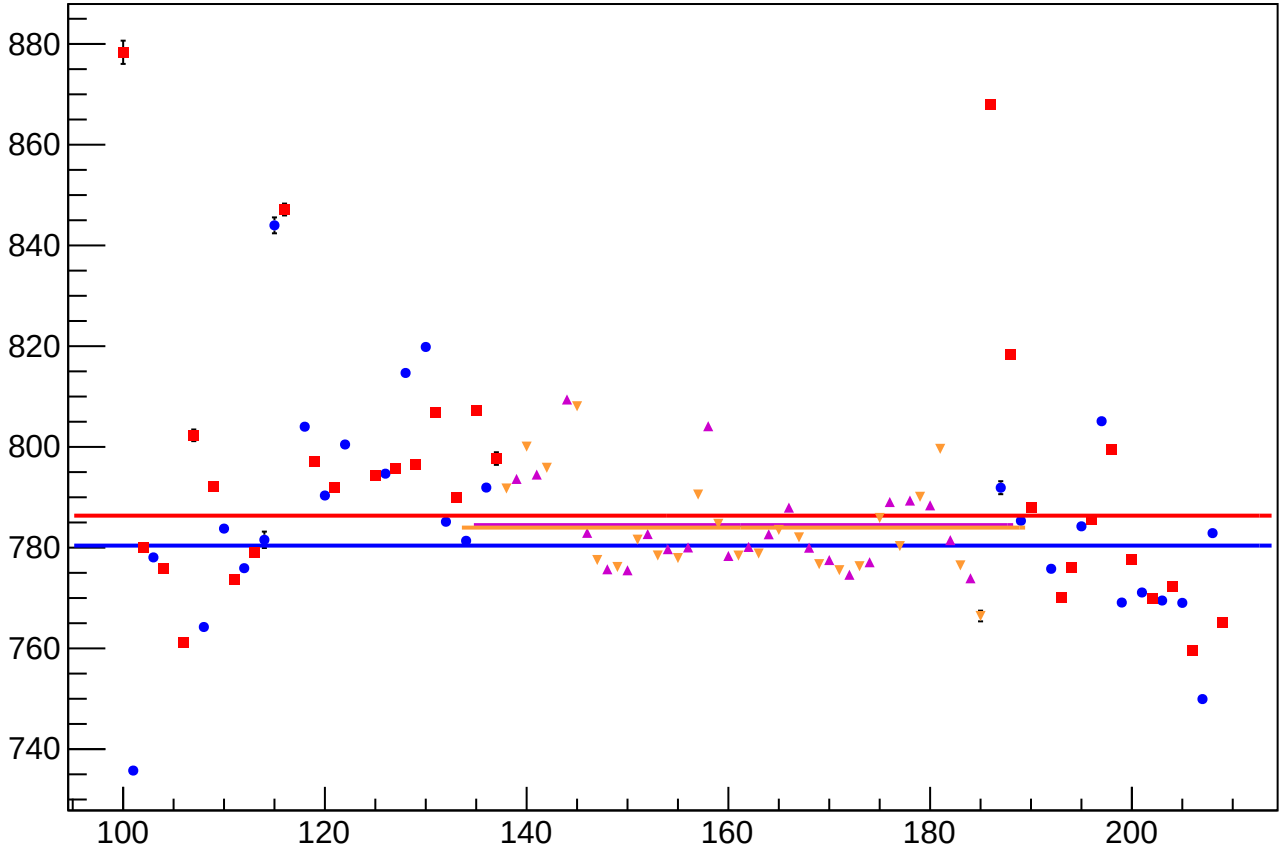
Right: 2239.718+/-136.913 χ^2/NDF: 31.1/56

In: 2206.321+/-133.856 χ^2/NDF:43.1/49

Out: 2007.004+/-131.836 χ^2/NDF:33.8/53

All: 2105.147+/-93.928 χ^2/NDF: 78.0/103

dit_asym_us_avg_rms vs Slug, Sign Corrected



Right In: 780.409+/-0.139 χ^2/NDF: 19477.5/26

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

Right Out: 786.355+/-0.135 χ^2/NDF: 24855.8/29

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

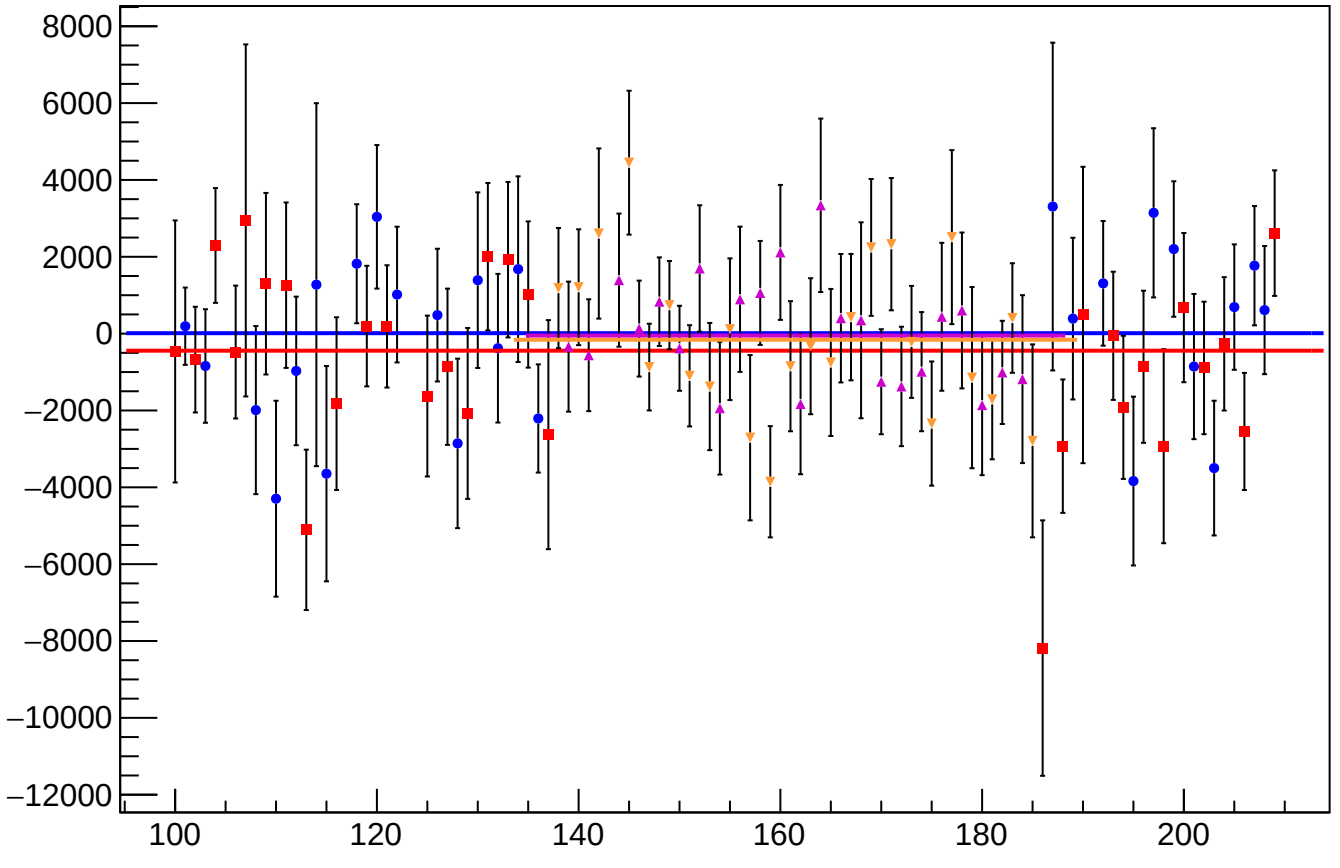
Left: 784.225+/-0.091 χ^2/NDF: 9863.0/46

Right: 783.456+/-0.097 χ^2/NDF: 45275.7/56

In: 782.579+/-0.095 χ^2/NDF:24863.9/49

Out: 785.109+/-0.093 χ^2/NDF:29945.5/53

All: 783.863+/-0.066 χ^2/NDF: 55172.1/103



Right In: 11.690+/-351.361 χ^2/NDF: 29.2/26

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

Right Out: -443.739+/-355.049 χ^2/NDF: 30.9/29

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

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

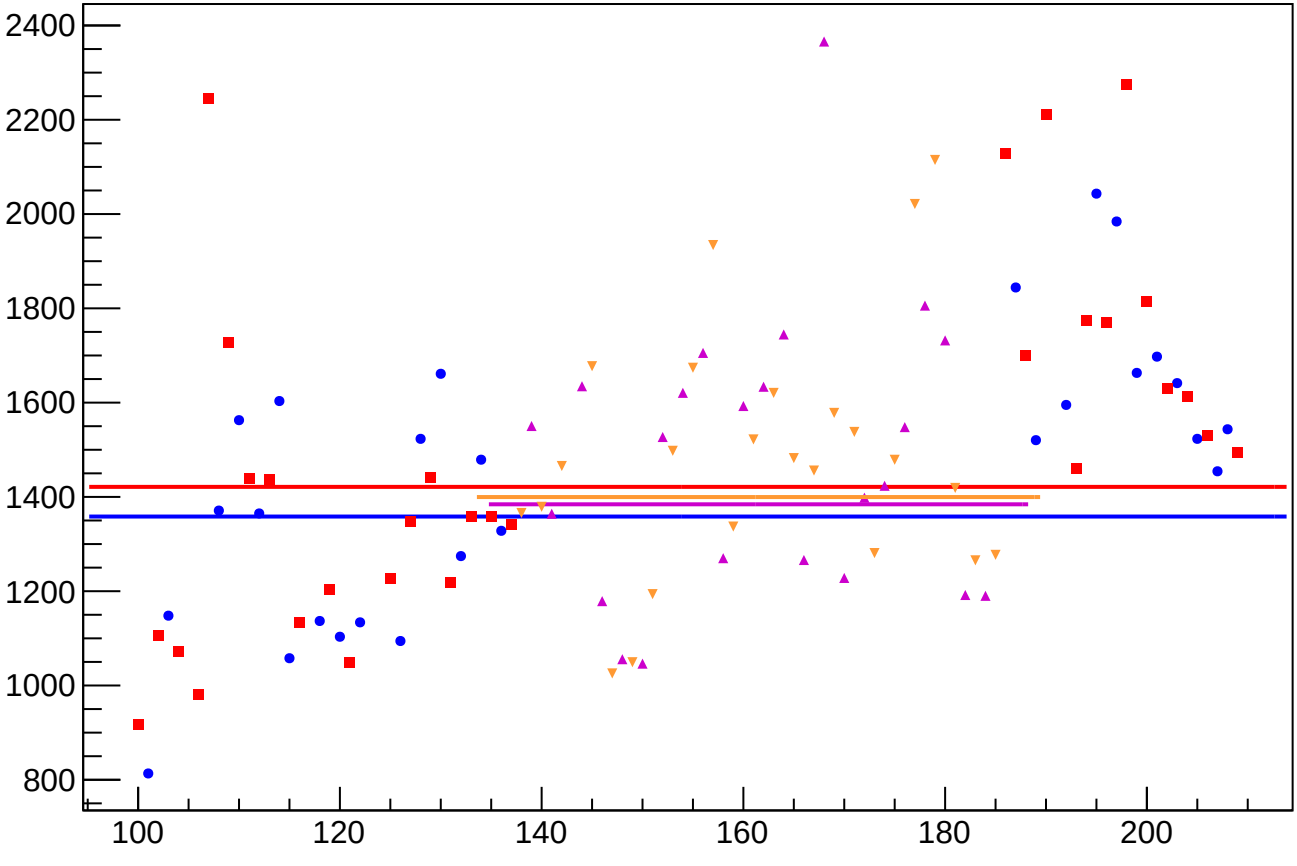
Right: -213.647+/-249.744 χ^2/NDF: 60.9/56

In: -22.117+/-240.622 χ^2/NDF:42.7/49

Out: -292.056+/-242.573 χ^2/NDF:60.3/53

All: -155.997+/-170.831 χ^2/NDF: 103.6/103

asym_us_avg_dit_correction_rms vs Slug, Sign Corrected



Right In: 1358.377+/-0.248 χ^2/NDF: 1547976.5/26

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

Right Out: 1421.304+/-0.251 χ^2/NDF: 1454069.5/29

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

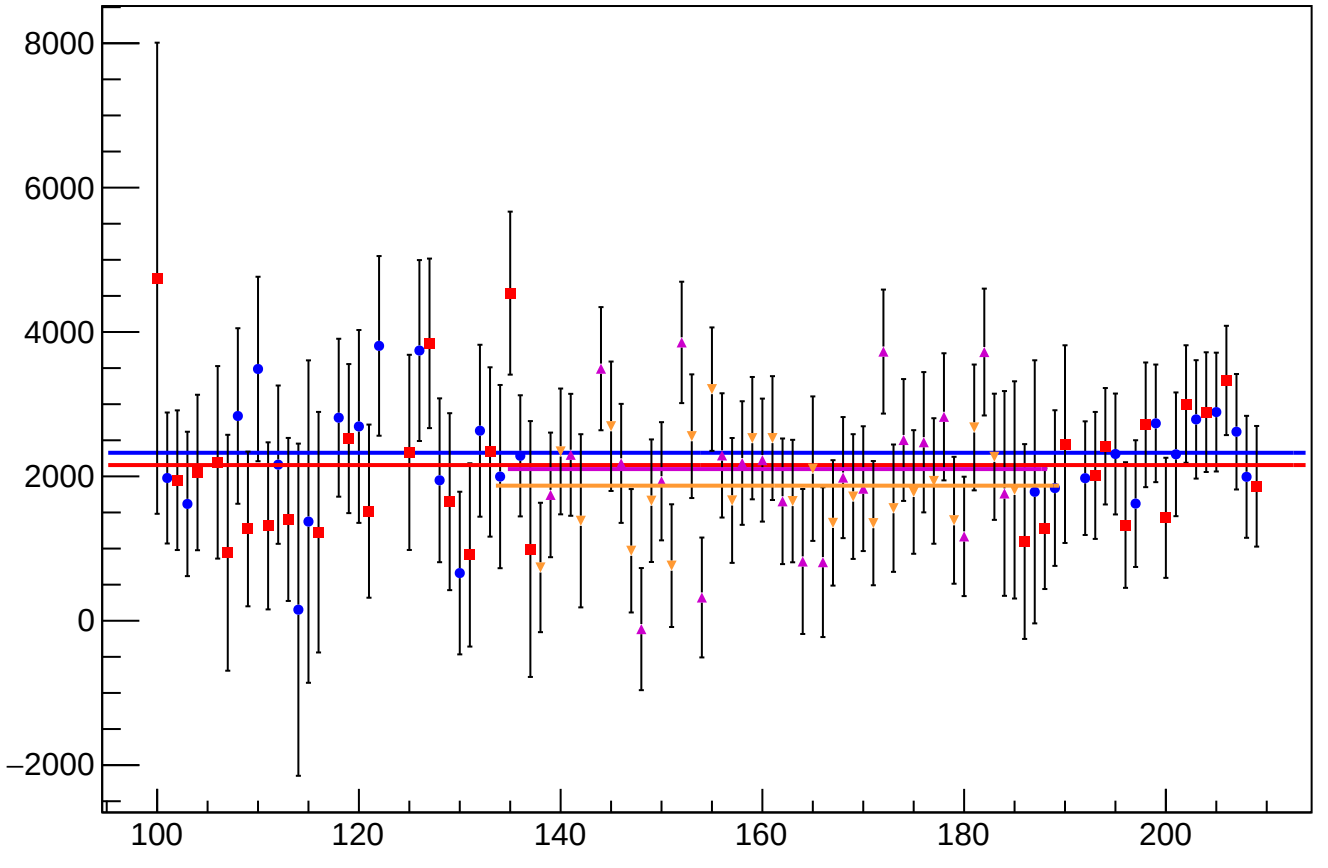
Left: 1391.979+/-0.166 χ^2/NDF: 2408444.2/46

Right: 1389.512+/-0.177 χ^2/NDF: 3033786.0/56

In: 1372.160+/-0.170 χ^2/NDF:2823708.7/49

Out: 1409.793+/-0.172 χ^2/NDF:2594362.1/53

All: 1390.825+/-0.121 χ^2/NDF: 5442334.0/10



Right In: 2326.947+/-196.081 χ^2/NDF: 10.6/26

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

Right Out: 2156.728+/-191.257 χ^2/NDF: 20.1/29

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

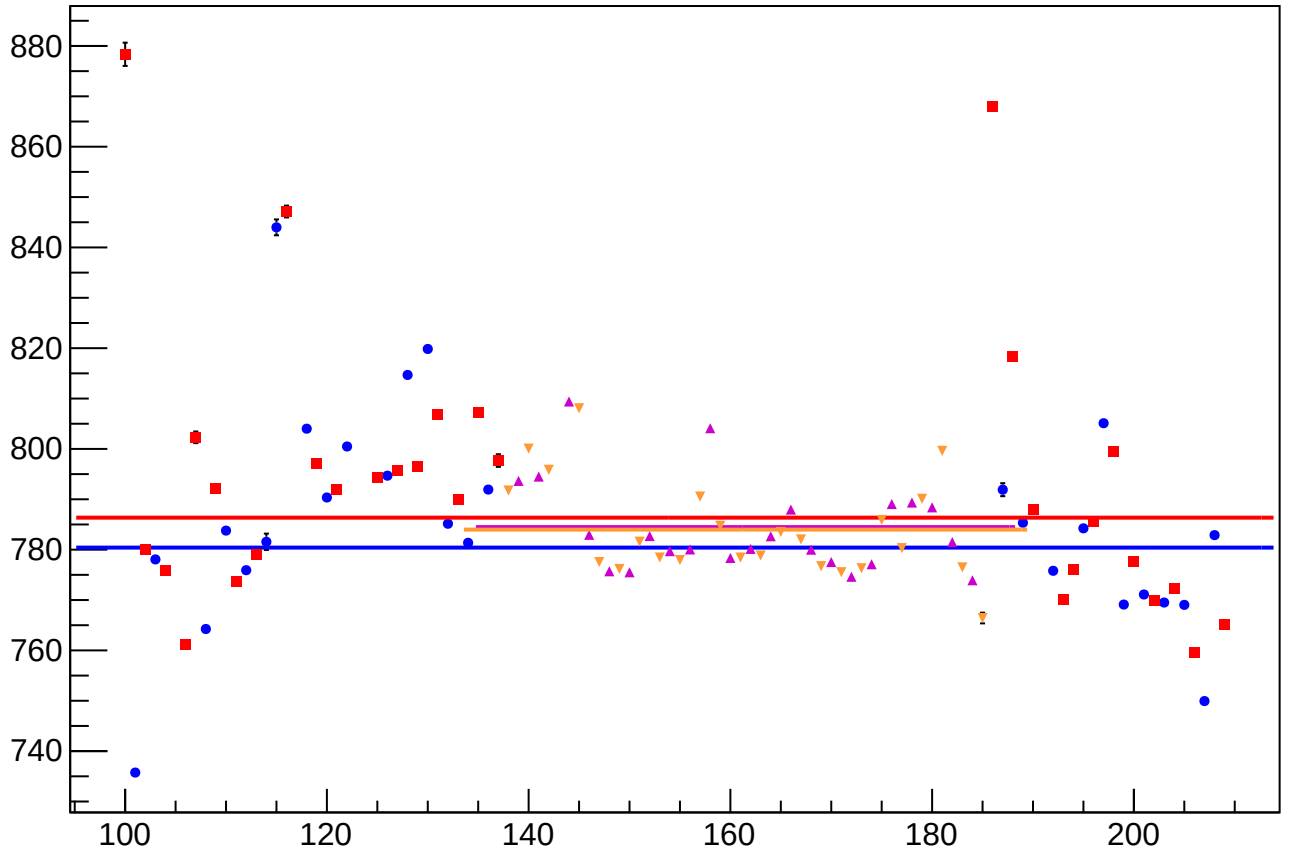
Left: 1985.495+/-129.100 χ^2/NDF: 45.0/46

Right: 2239.718+/-136.913 χ^2/NDF: 31.1/56

In: 2206.321+/-133.856 χ^2/NDF:43.1/49

Out: 2007.002+/-131.836 χ^2/NDF:33.8/53

All: 2105.146+/-93.928 χ^2/NDF: 78.0/103



Right In: 780.409+/-0.139 χ^2/NDF: 19477.4/26

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

Right Out: 786.355+/-0.135 χ^2/NDF: 24855.8/29

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

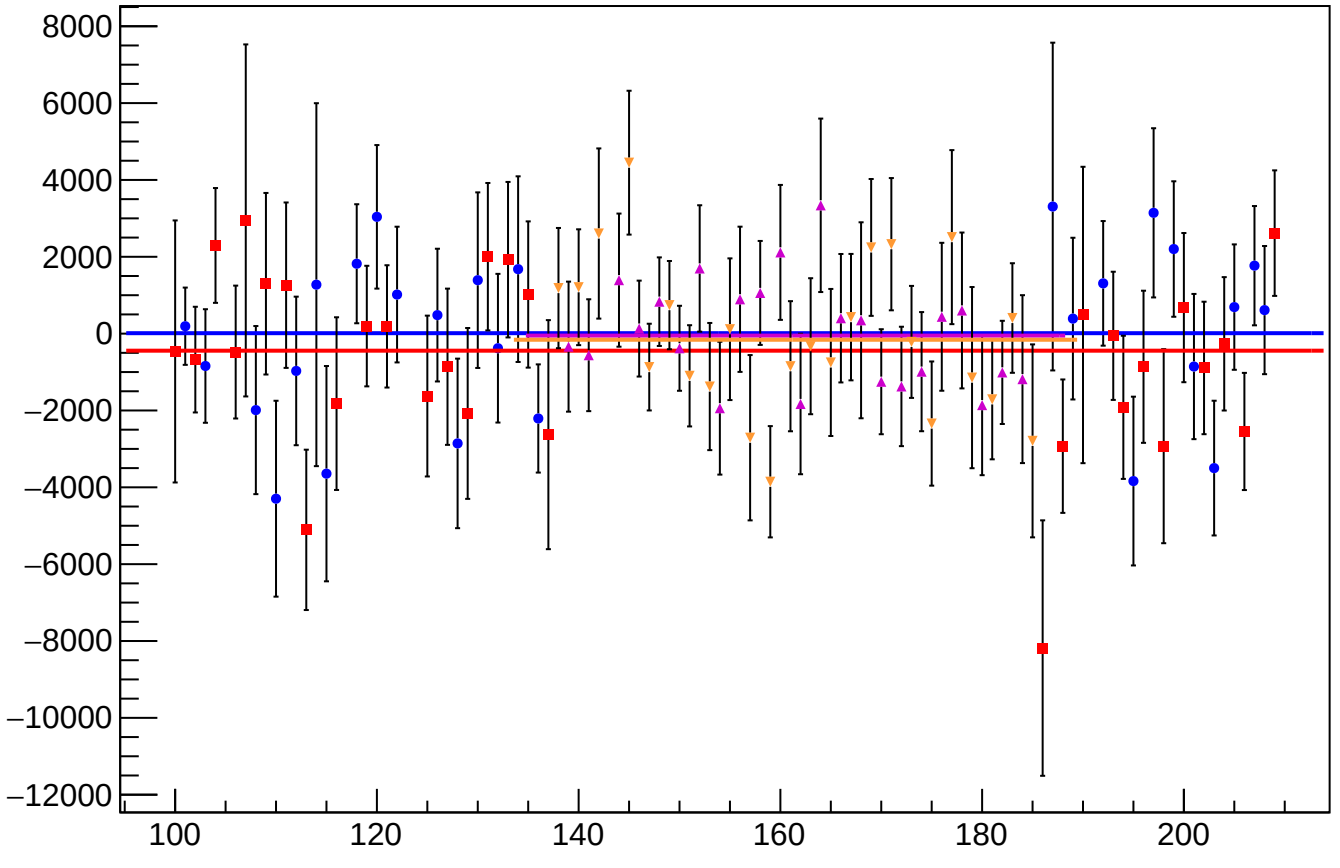
Left: 784.225+/-0.091 χ^2/NDF: 9863.0/46

Right: 783.456+/-0.097 χ^2/NDF: 45275.6/56

In: 782.579+/-0.095 χ^2/NDF:24863.8/49

Out: 785.109+/-0.093 χ^2/NDF:29945.4/53

All: 783.863+/-0.066 χ^2/NDF: 55172.0/103



Right In: 11.690+/-351.361 χ^2/NDF: 29.2/26

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

Right Out: -443.736+/-355.049 χ^2/NDF: 30.9/29

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

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

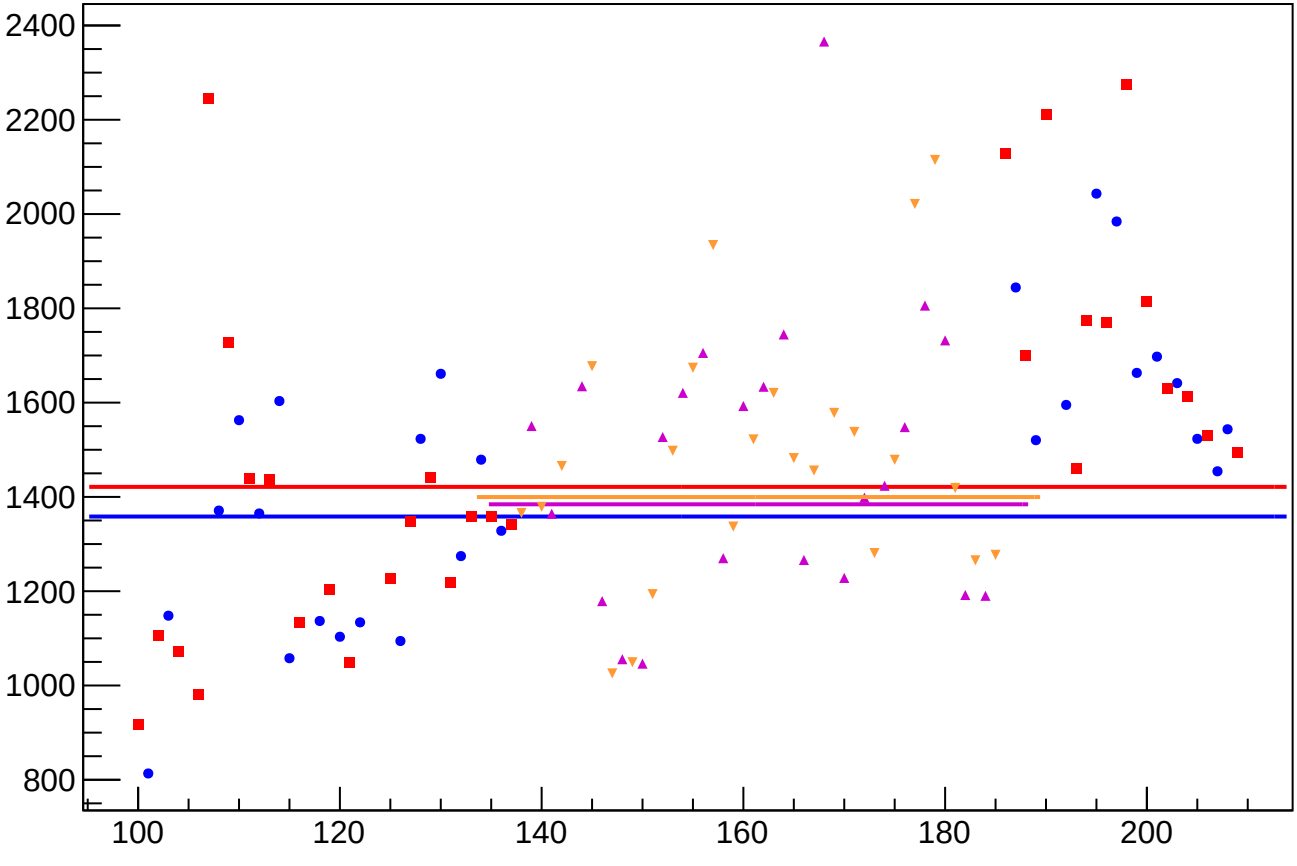
Right: -213.646+/-249.743 χ^2/NDF: 60.9/56

In: -22.117+/-240.622 χ^2/NDF:42.7/49

Out: -292.056+/-242.573 χ^2/NDF:60.3/53

All: -155.997+/-170.831 χ^2/NDF: 103.6/103

asym_us_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 1358.376+/-0.248 χ^2/NDF: 1547994.2/26

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

Right Out: 1421.302+/-0.251 χ^2/NDF: 1454088.4/29

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

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

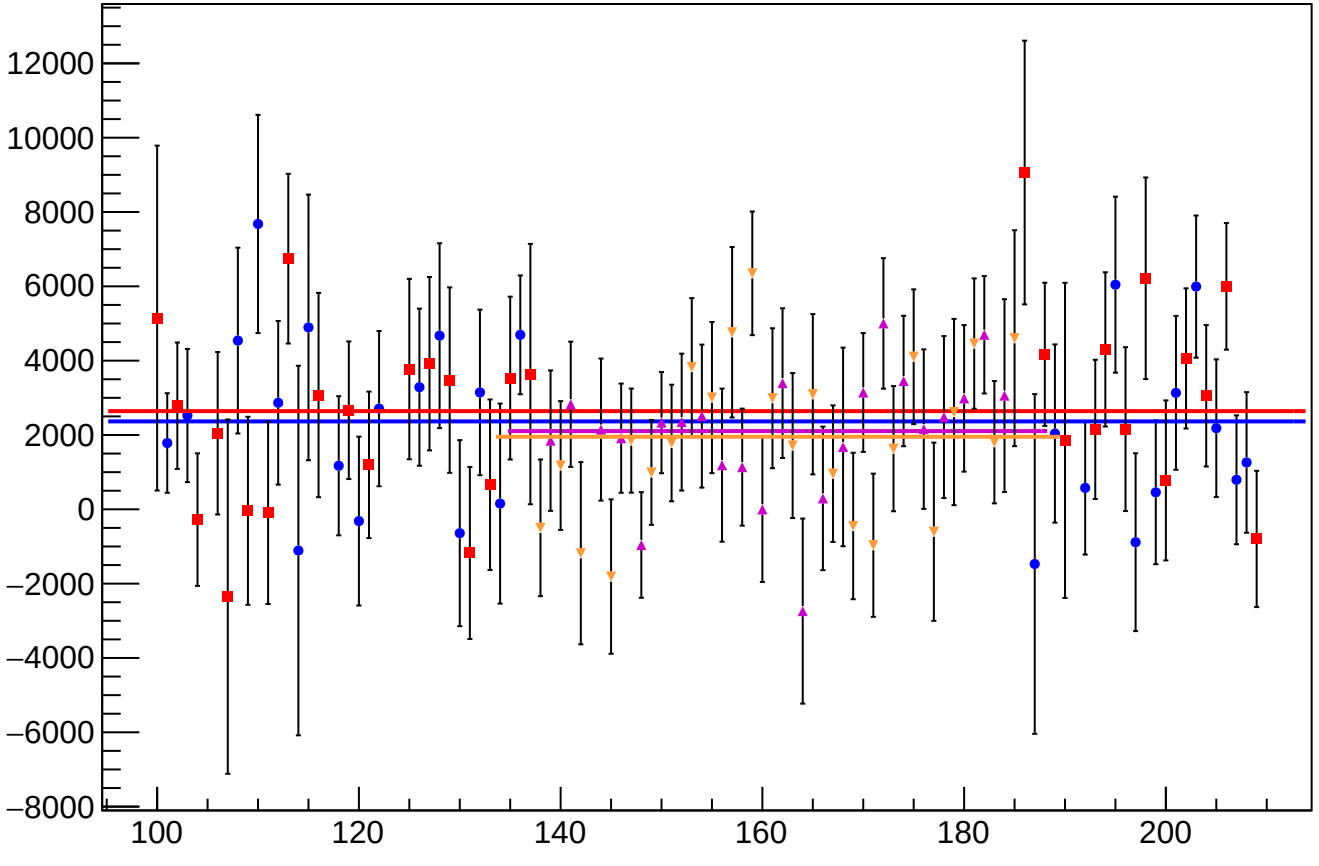
Right: 1389.511+/-0.177 χ^2/NDF: 3033822.1/56

In: 1372.161+/-0.170 χ^2/NDF:2823728.8/49

Out: 1409.794+/-0.172 χ^2/NDF:2594380.4/53

All: 1390.826+/-0.121 χ^2/NDF: 5442372.1/10

asym_us_avg_mean vs Slug, Sign Corrected



Right In: 2365.678+/-407.649 χ^2/NDF: 24.4/26

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

Right Out: 2642.567+/-407.753 χ^2/NDF: 29.8/29

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

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

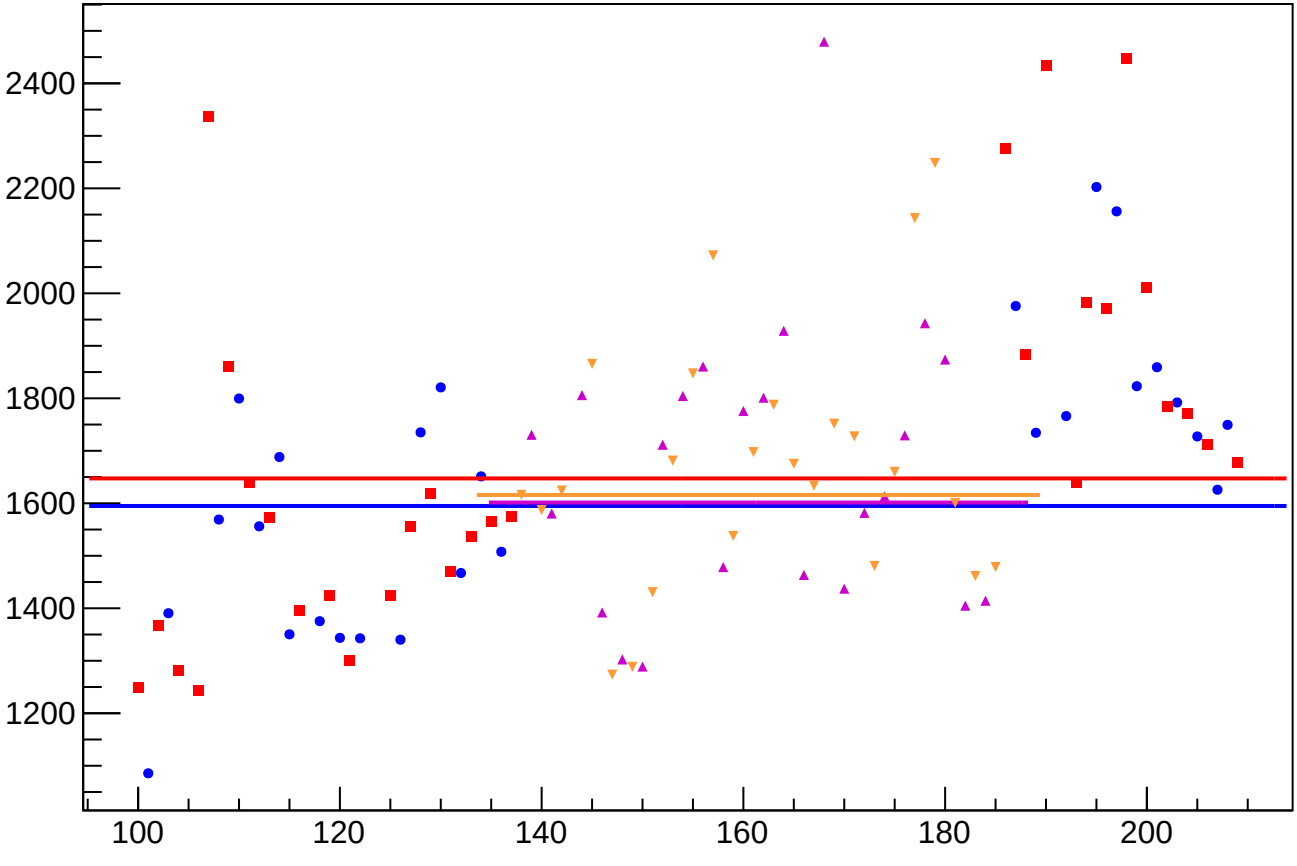
Right: 2504.087+/-288.288 χ^2/NDF: 54.4/56

In: 2226.098+/-277.589 χ^2/NDF:43.2/49

Out: 2273.445+/-278.100 χ^2/NDF:58.7/53

All: 2249.728+/-196.466 χ^2/NDF: 101.9/103

asym_us_avg_rms vs Slug, Sign Corrected



Right In: 1594.894+/-0.288 χ^2/NDF: 868583.4/26

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

Right Out: 1647.369+/-0.288 χ^2/NDF: 936540.0/29

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

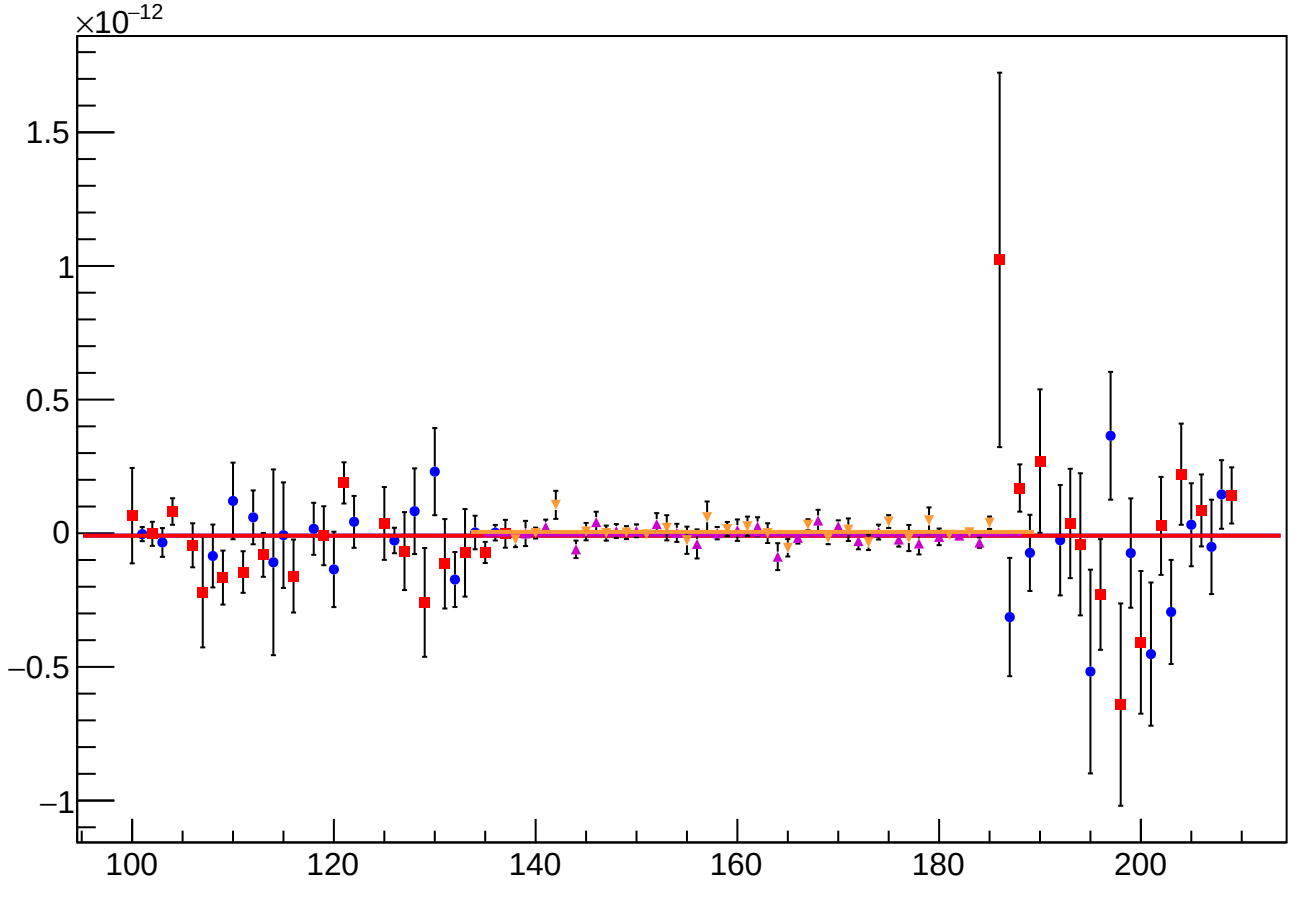
Left: 1608.652+/-0.190 χ^2/NDF: 1489505.9/46

Right: 1621.125+/-0.204 χ^2/NDF: 1821689.5/56

In: 1598.435+/-0.196 χ^2/NDF:1662587.4/49

Out: 1630.513+/-0.197 χ^2/NDF:1637283.4/53

All: 1614.445+/-0.139 χ^2/NDF: 3313200.5/10



Right In: -0.000+/-0.000 χ^2/NDF: 21.4/26

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

Right Out: -0.000+/-0.000 χ^2/NDF: 41.2/29

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

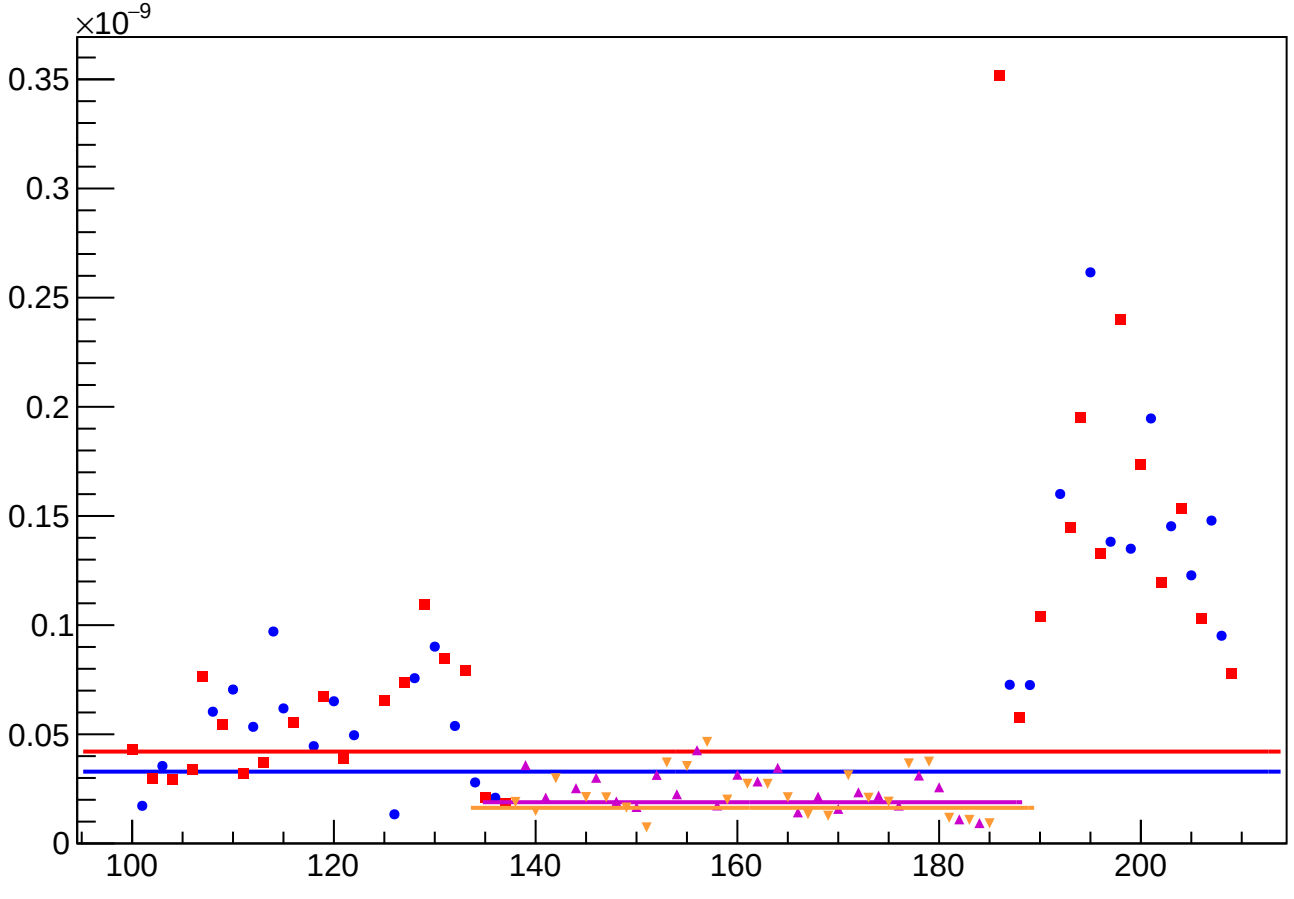
Left: 0.000+/-0.000 χ^2/NDF: 42.0/46

Right: -0.000+/-0.000 χ^2/NDF: 62.7/56

In: -0.000+/-0.000 χ^2/NDF:40.9/49

Out: 0.000+/-0.000 χ^2/NDF:62.8/53

All: -0.000+/-0.000 χ^2/NDF: 105.3/103



Right In: 0.000+/-0.000 χ^2/NDF: 8470733.2/26

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

Right Out: 0.000+/-0.000 χ^2/NDF: 6970284.0/29

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

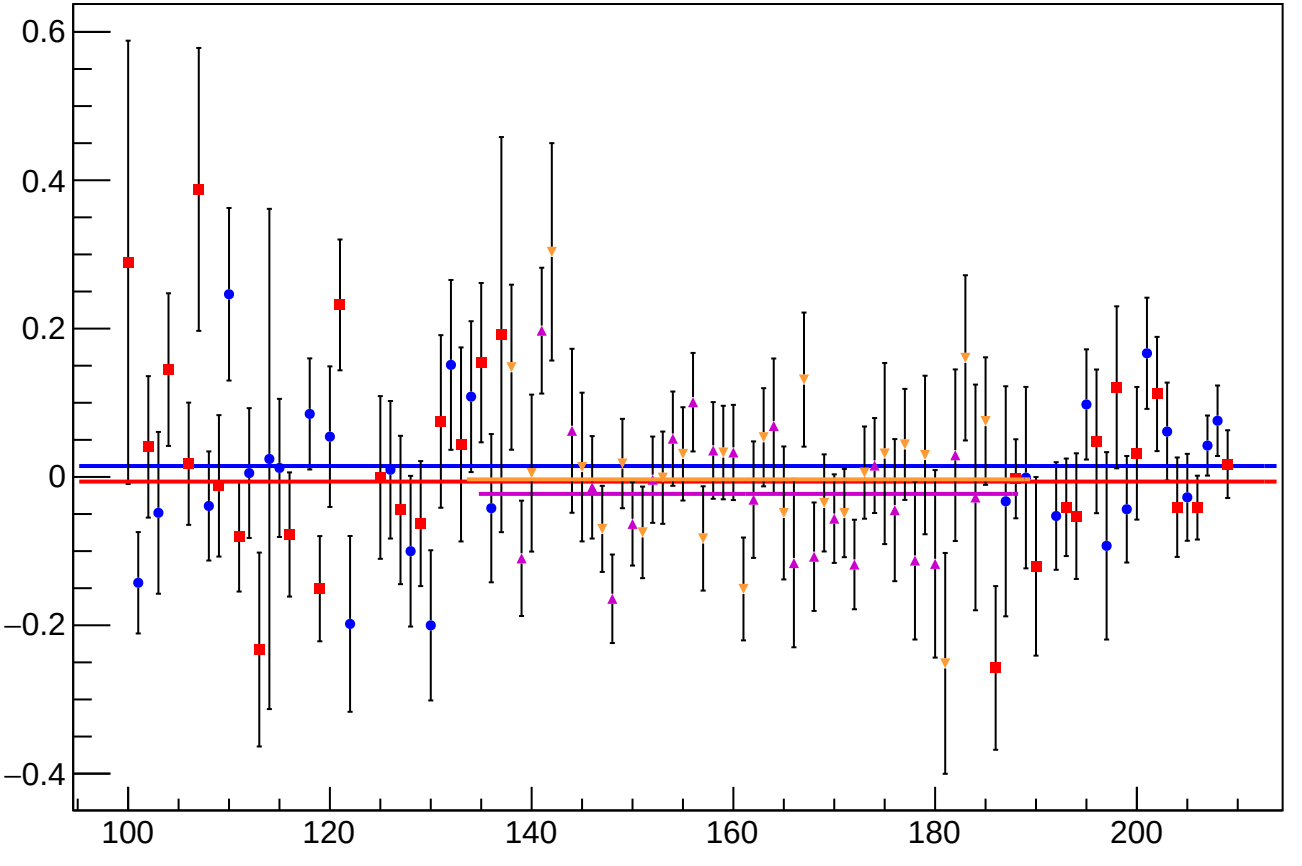
Left: 0.000+/-0.000 χ^2/NDF: 7731818.4/46

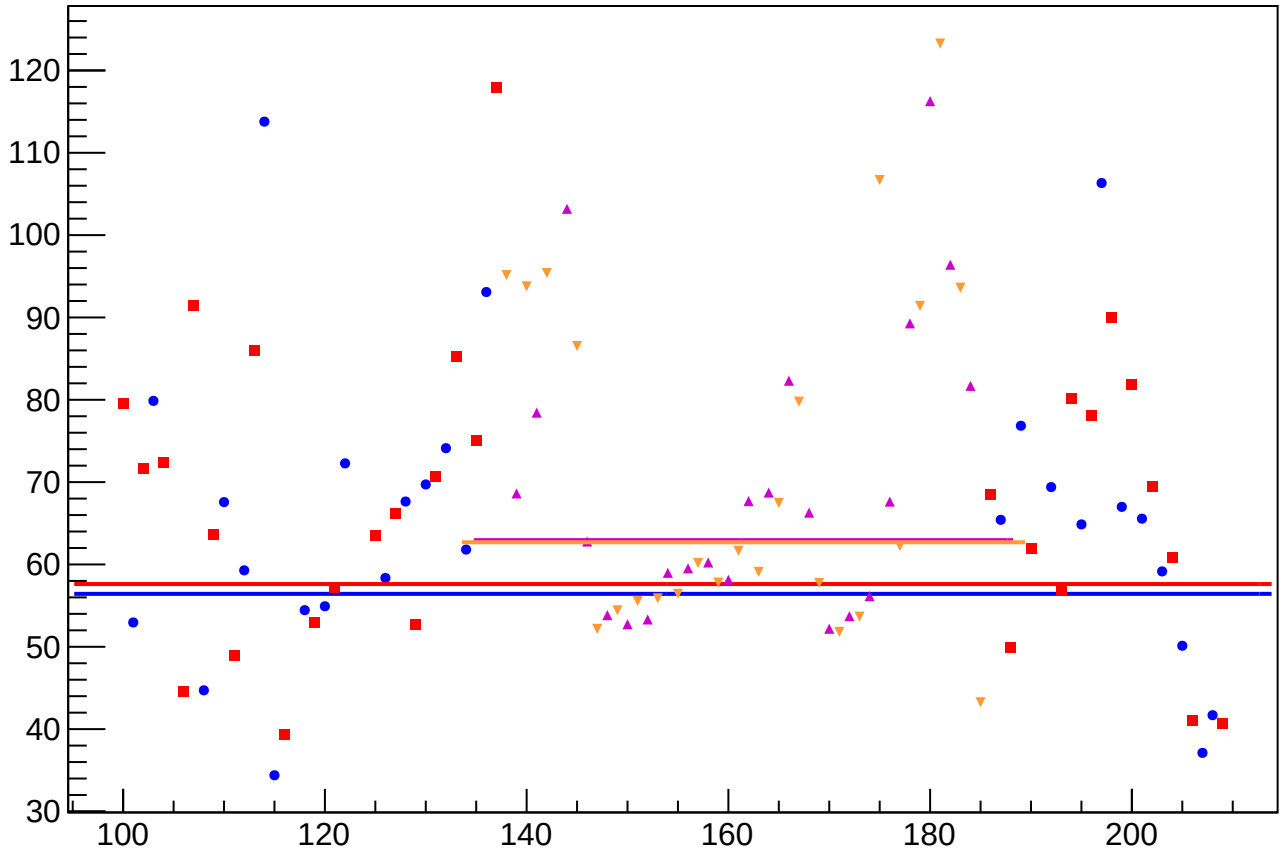
Right: 0.000+/-0.000 χ^2/NDF: 15776072.1/56

In: 0.000+/-0.000 χ^2/NDF:13308808.5/49

Out: 0.000+/-0.000 χ^2/NDF:15407793.5/53

All: 0.000+/-0.000 χ^2/NDF: 28888338.5/103


asym_us_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected
0.6
0.4
0.2
0
−0.2
−0.4
100
120
140
160
180
200
Right In: 0.015+/-0.015 χ²/NDF: 33.6/26
Left Out: -0.003+/-0.015 χ²/NDF:25.9/23
Right Out: -0.006+/-0.015 χ²/NDF: 40.0/29
Left In: -0.023+/-0.015 χ²/NDF:29.0/22
Left: -0.013+/-0.011 χ²/NDF: 55.7/46
Right: 0.004+/-0.011 χ²/NDF: 74.6/56
In: -0.004+/-0.011 χ²/NDF:65.6/49
Out: -0.005+/-0.011 χ²/NDF:65.9/53
All: -0.004+/-0.008 χ²/NDF: 131.5/103



Right In: 56.429+/-0.011 χ^2/NDF: 1969286.4/26

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

Right Out: 57.622+/-0.011 χ^2/NDF: 1981097.3/29

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

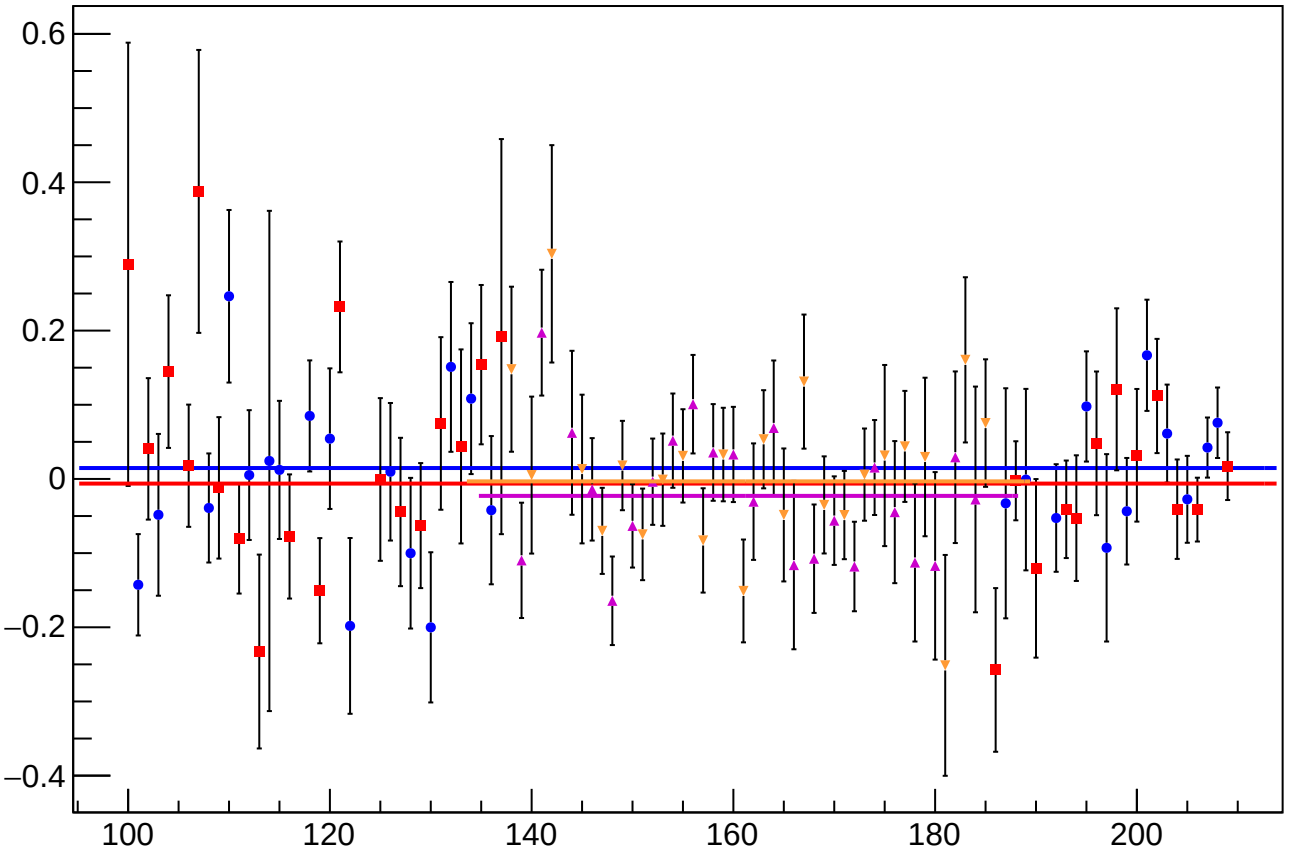
Left: 62.825+/-0.008 χ^2/NDF: 3370112.8/46

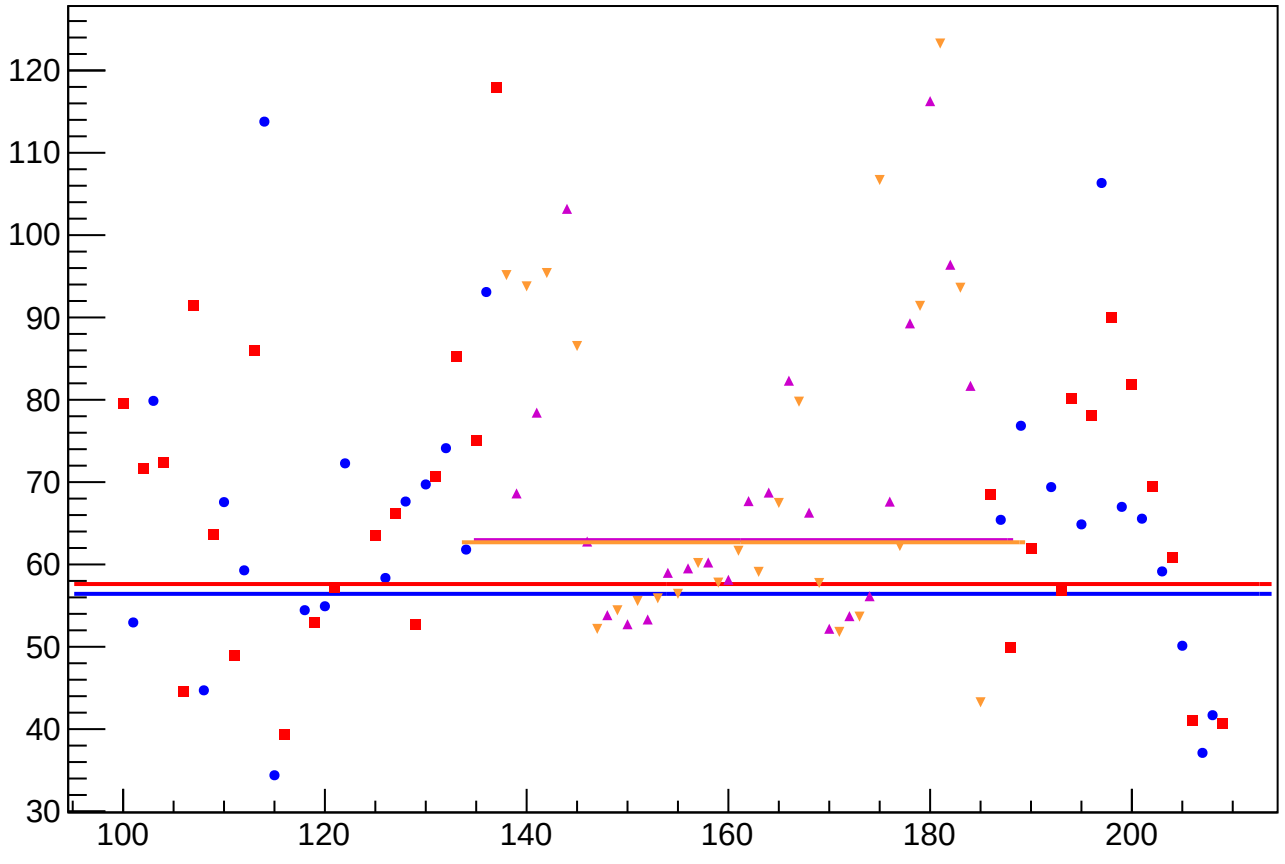
Right: 57.034+/-0.008 χ^2/NDF: 3956503.7/56

In: 59.662+/-0.008 χ^2/NDF:3578794.2/49

Out: 60.099+/-0.008 χ^2/NDF:4030222.4/53

All: 59.882+/-0.005 χ^2/NDF: 7610630.7/103


asym_us_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected
0.6
0.4
0.2
0
−0.2
−0.4
100
120
140
160
180
200
Right In: 0.015+/-0.015 χ²/NDF: 33.6/26
Left Out: -0.003+/-0.015 χ²/NDF:25.9/23
Right Out: -0.006+/-0.015 χ²/NDF: 40.0/29
Left In: -0.023+/-0.015 χ²/NDF:29.0/22
Left: -0.013+/-0.011 χ²/NDF: 55.7/46
Right: 0.004+/-0.011 χ²/NDF: 74.6/56
In: -0.004+/-0.011 χ²/NDF:65.6/49
Out: -0.005+/-0.011 χ²/NDF:65.9/53
All: -0.004+/-0.008 χ²/NDF: 131.5/103



Right In: 56.429+/-0.011 χ^2/NDF: 1969286.4/26

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

Right Out: 57.622+/-0.011 χ^2/NDF: 1981097.3/29

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

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

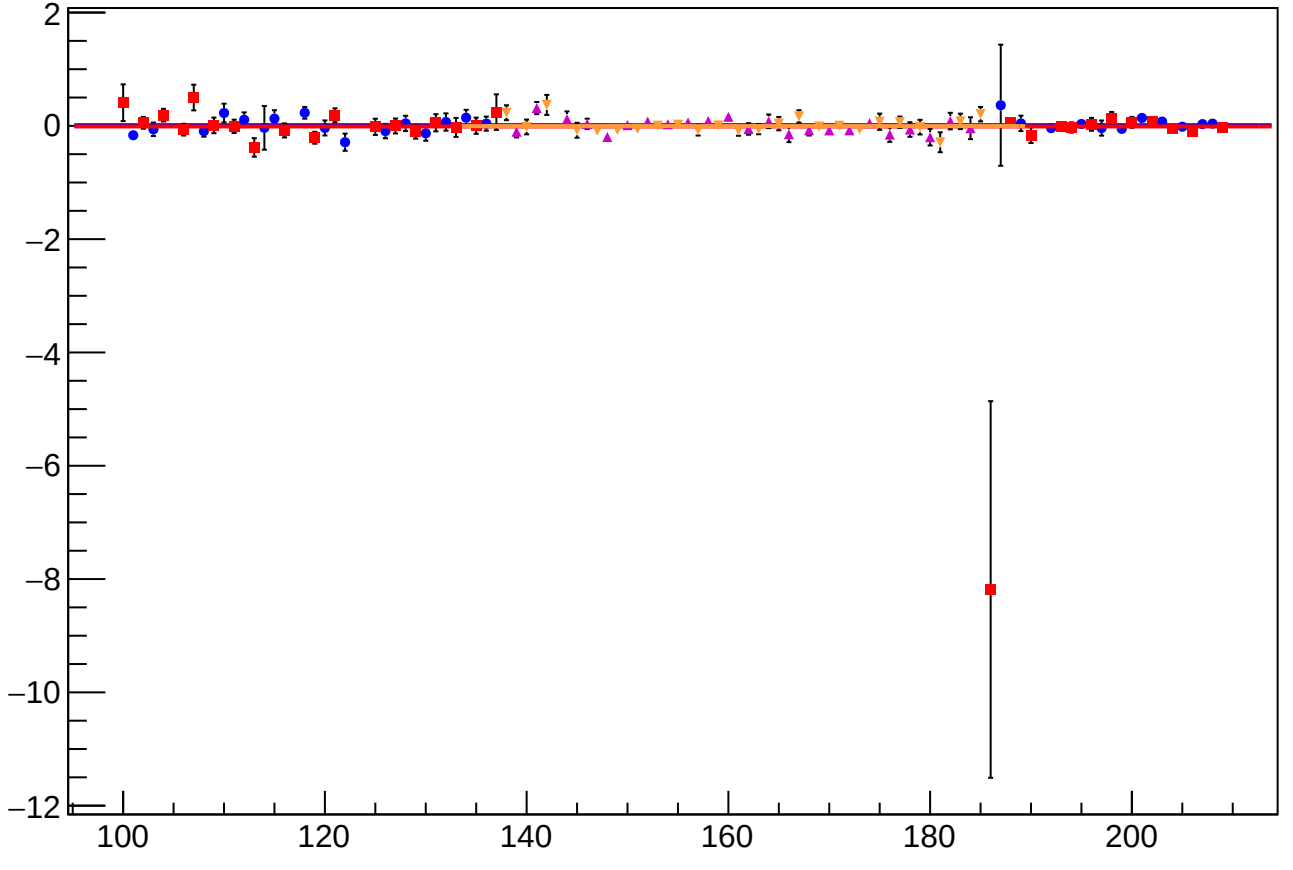
Right: 57.034+/-0.008 χ^2/NDF: 3956503.7/56

In: 59.662+/-0.008 χ^2/NDF:3578794.2/49

Out: 60.099+/-0.008 χ^2/NDF:4030222.4/53

All: 59.882+/-0.005 χ^2/NDF: 7610630.7/103

asym_us_avg_dit_vs_overload_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.012+/-0.019 χ^2/NDF: 25.7/26

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

Right Out: -0.011+/-0.019 χ^2/NDF: 38.3/29

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

Left: -0.001+/-0.015 χ^2/NDF: 51.9/46

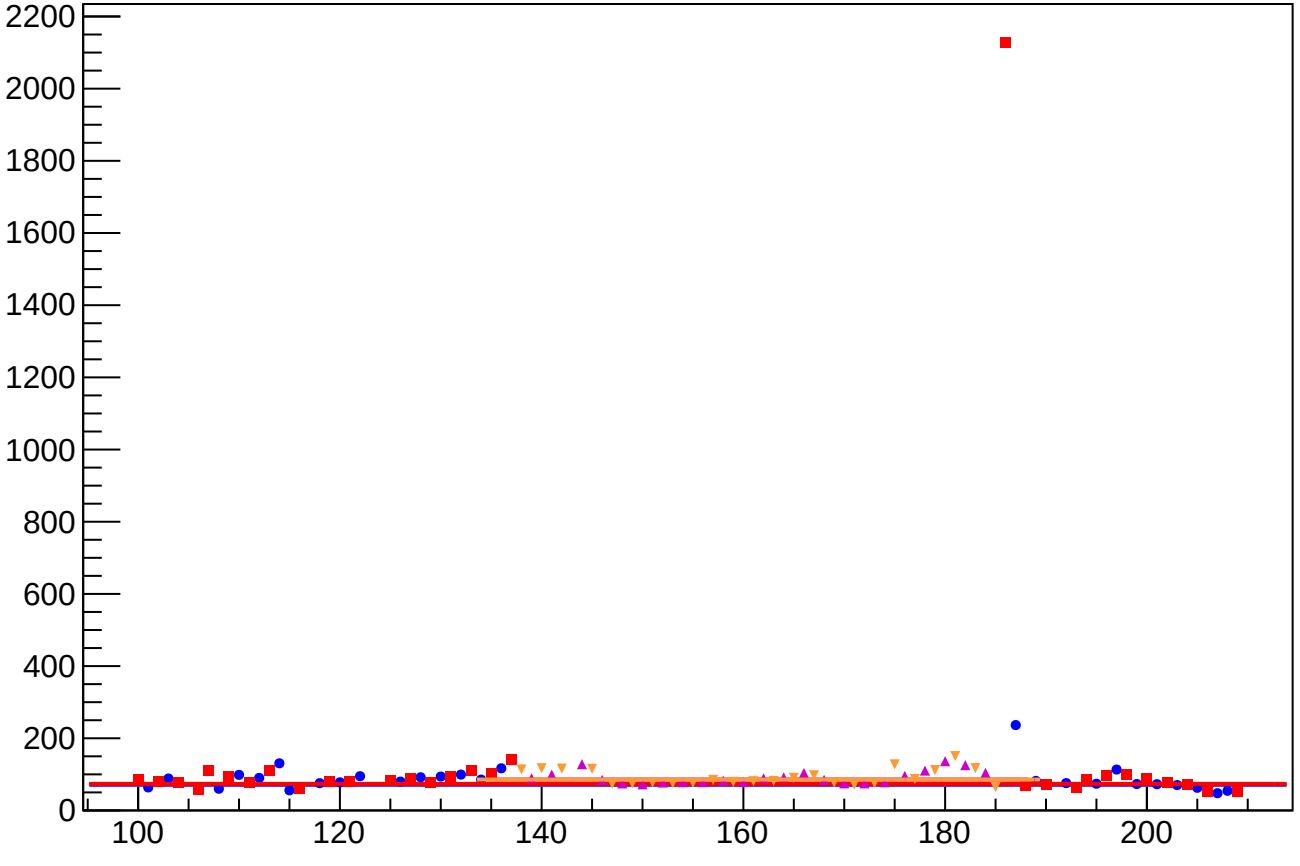
Right: 0.001+/-0.014 χ^2/NDF: 64.6/56

In: 0.007+/-0.014 χ^2/NDF:56.4/49

Out: -0.008+/-0.014 χ^2/NDF:59.7/53

All: -0.000+/-0.010 χ^2/NDF: 116.6/103

asym_us_avg_dit_vs_overload_cor_diff_rms vs Slug, Sign Corrected



Right In: 71.298+/-0.014 χ^2/NDF: 1639888.4/26

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

Right Out: 73.607+/-0.014 χ^2/NDF: 2227087.9/29

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

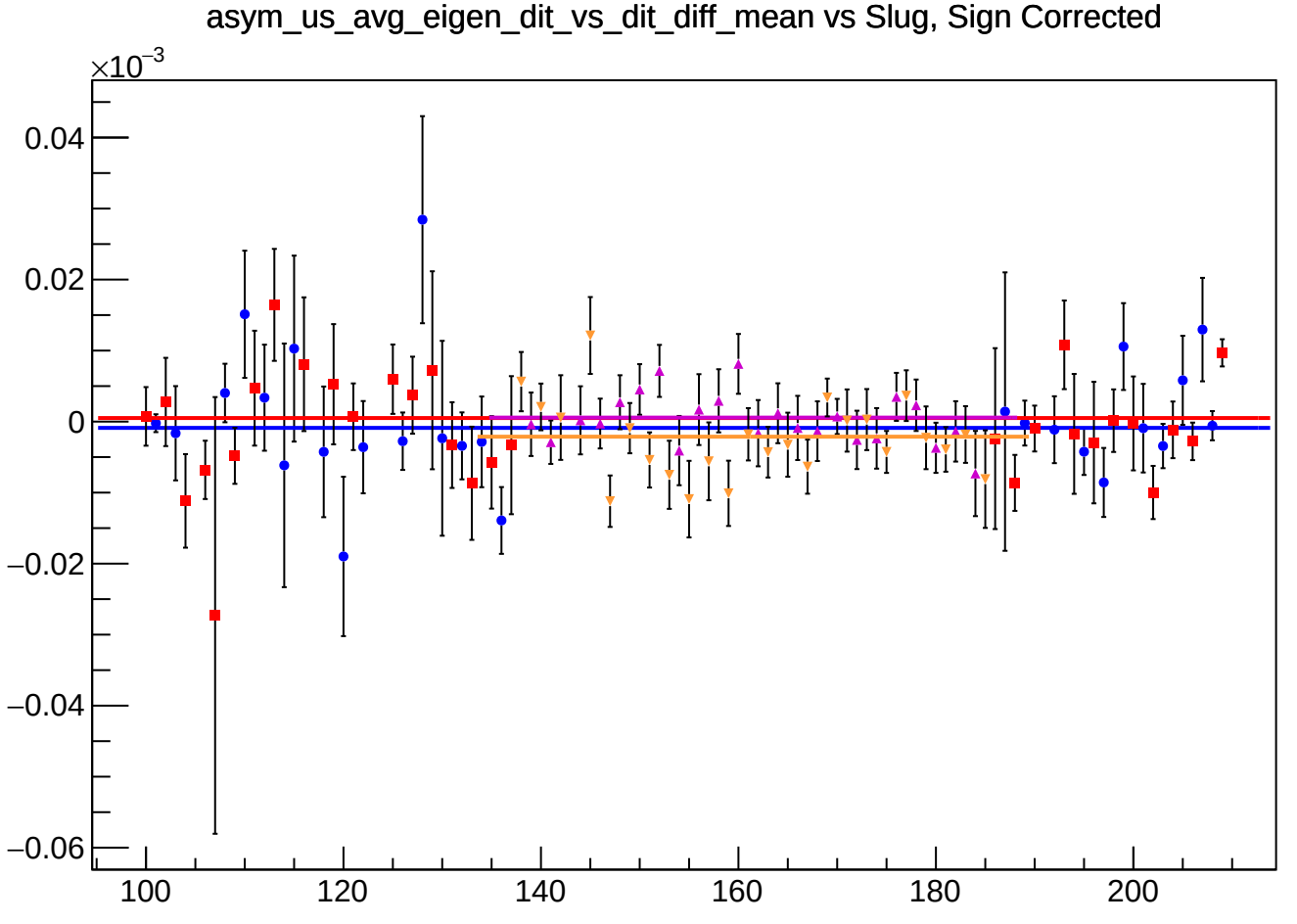
Left: 85.665+/-0.010 χ^2/NDF: 2348620.8/46

Right: 72.452+/-0.010 χ^2/NDF: 3881534.3/56

In: 77.933+/-0.010 χ^2/NDF:3156737.7/49

Out: 79.163+/-0.010 χ^2/NDF:3945155.8/53

All: 78.548+/-0.007 χ^2/NDF: 7109555.7/103



Right In: -0.000+/-0.000 χ^2/NDF: 33.9/26

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

Right Out: 0.000+/-0.000 χ^2/NDF: 60.2/29

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

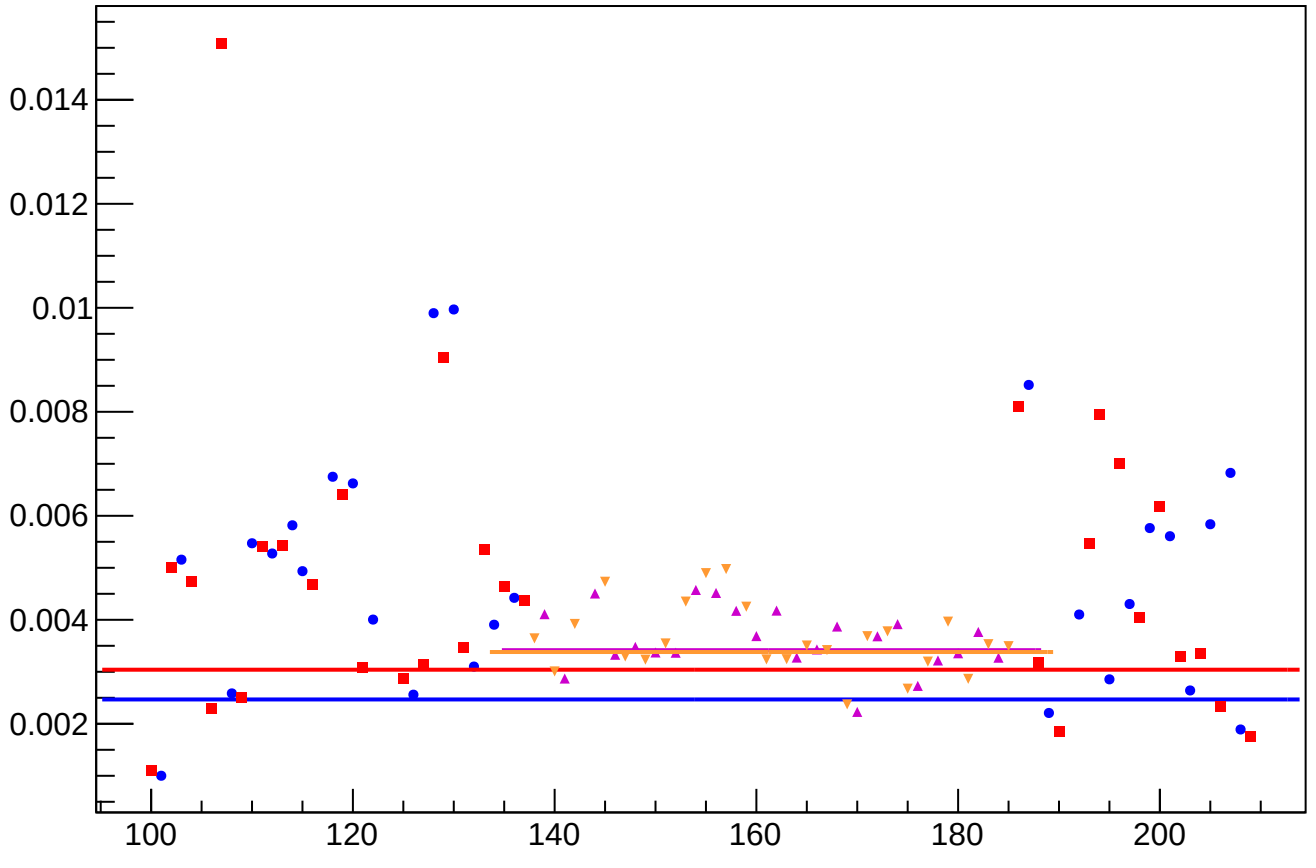
Left: -0.000+/-0.000 χ^2/NDF: 59.5/46

Right: -0.000+/-0.000 χ^2/NDF: 95.5/56

In: -0.000+/-0.000 χ^2/NDF:52.2/49

Out: -0.000+/-0.000 χ^2/NDF:102.5/53

All: -0.000+/-0.000 χ^2/NDF: 155.4/103



Right In: 0.002+/-0.000 χ^2/NDF: 9433158.9/26

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

Right Out: 0.003+/-0.000 χ^2/NDF: 6240807.0/29

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

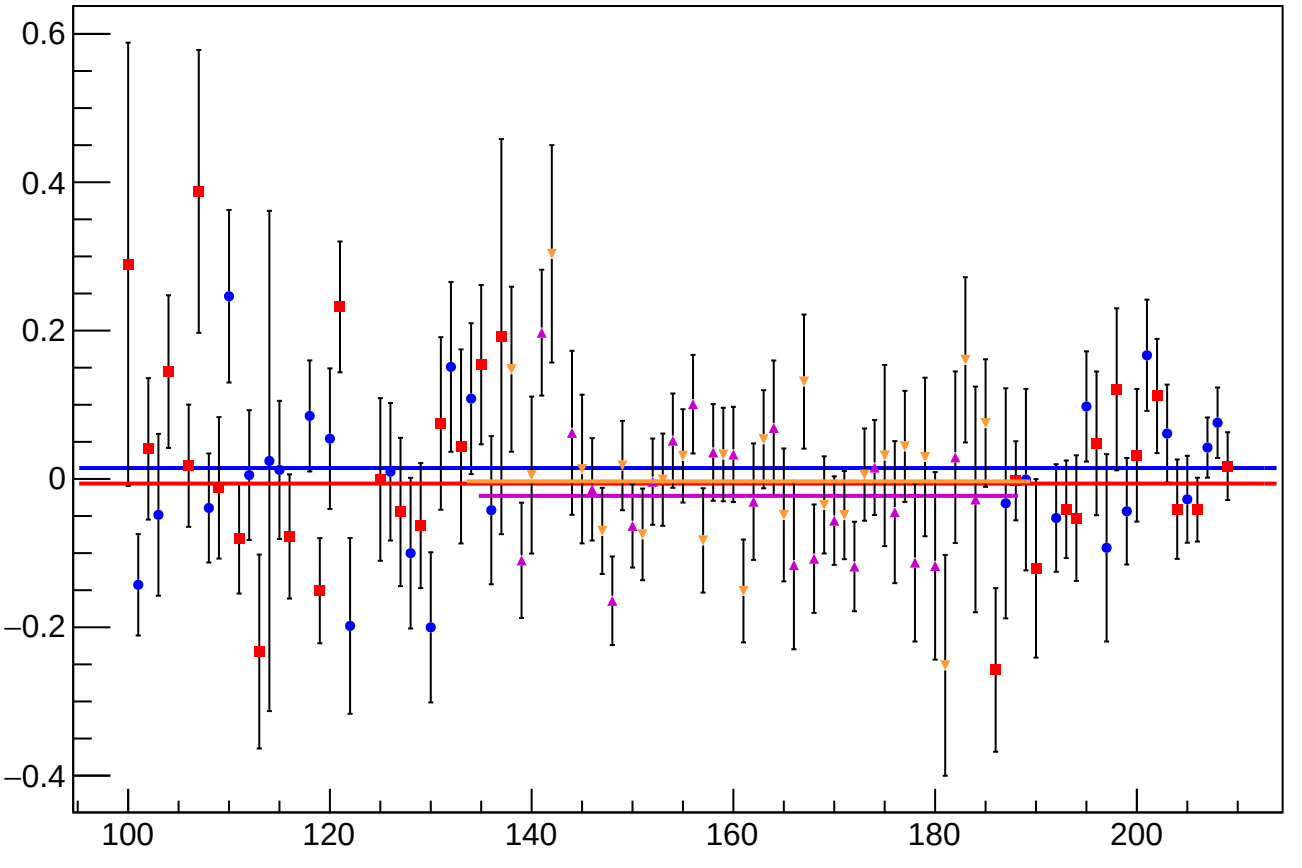
Left: 0.003+/-0.000 χ^2/NDF: 2367900.3/46

Right: 0.003+/-0.000 χ^2/NDF: 16164169.0/56

In: 0.003+/-0.000 χ^2/NDF:12039027.6/49

Out: 0.003+/-0.000 χ^2/NDF:7602259.1/53

All: 0.003+/-0.000 χ^2/NDF: 19932222.3/103



Right In: 0.015+/-0.015 χ^2/NDF: 33.6/26

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

Right Out: -0.006+/-0.015 χ^2/NDF: 40.0/29

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

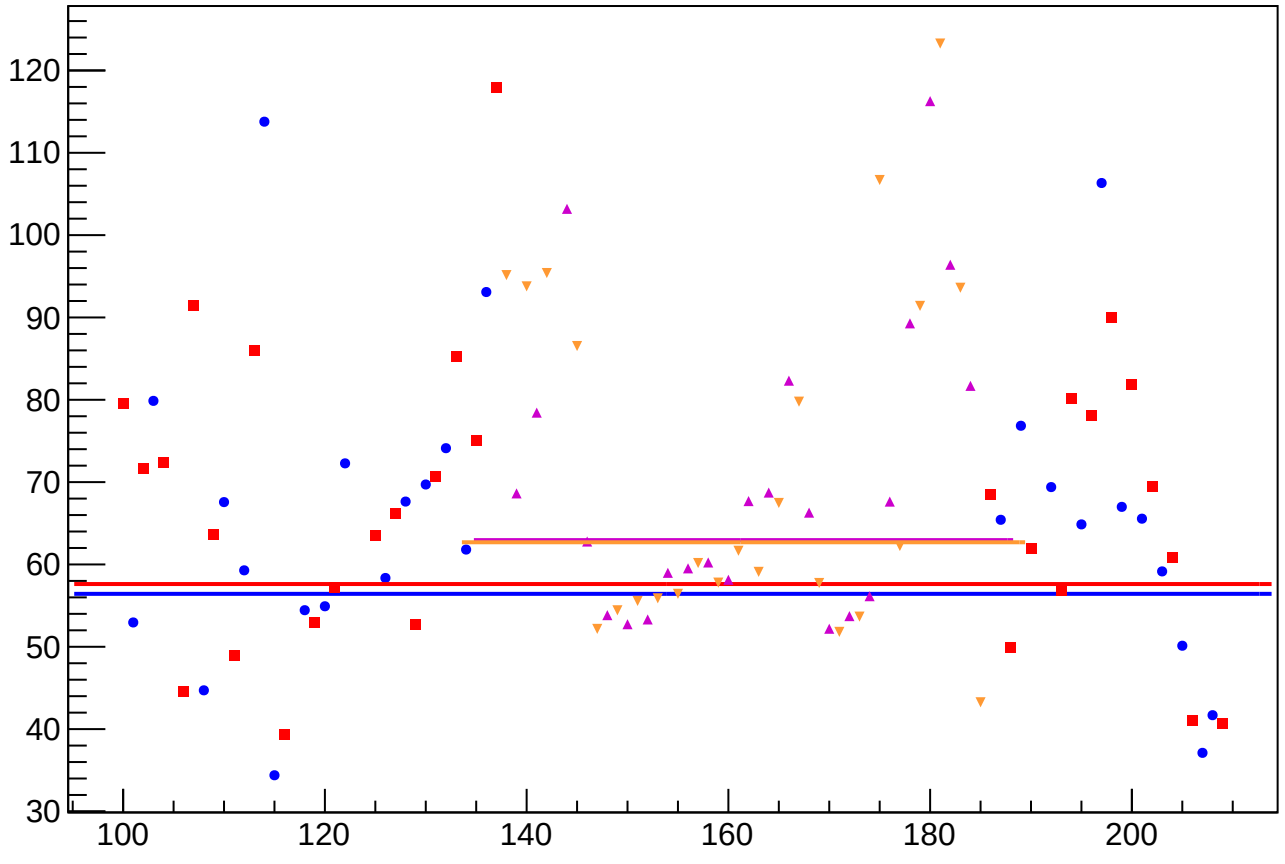
Left: -0.013+/-0.011 χ^2/NDF: 55.7/46

Right: 0.004+/-0.011 χ^2/NDF: 74.6/56

In: -0.004+/-0.011 χ^2/NDF:65.6/49

Out: -0.005+/-0.011 χ^2/NDF:65.9/53

All: -0.004+/-0.008 χ^2/NDF: 131.5/103



Right In: 56.429+/-0.011 χ^2/NDF: 1969142.9/26

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

Right Out: 57.621+/-0.011 χ^2/NDF: 1980924.0/29

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

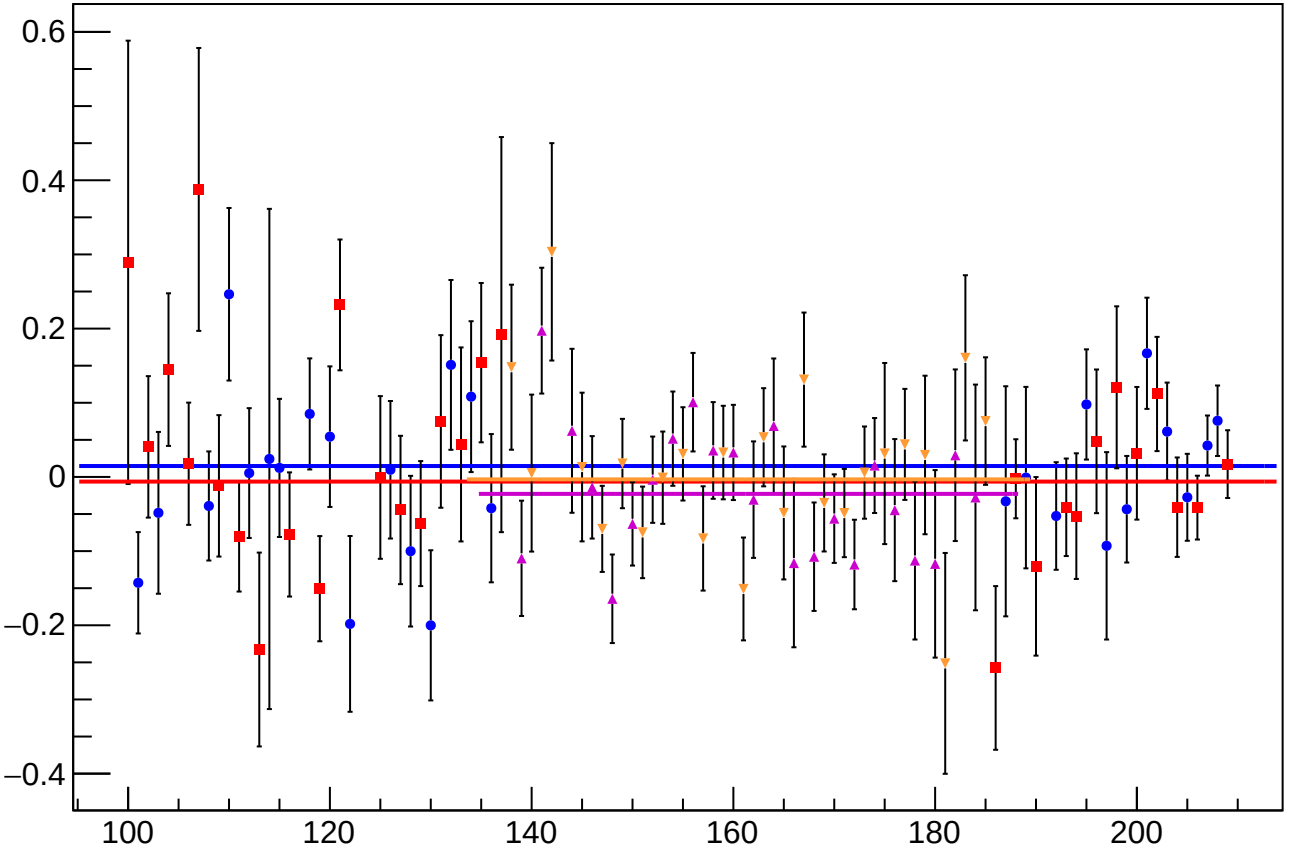
Left: 62.825+/-0.008 χ^2/NDF: 3370070.3/46

Right: 57.034+/-0.008 χ^2/NDF: 3956181.8/56

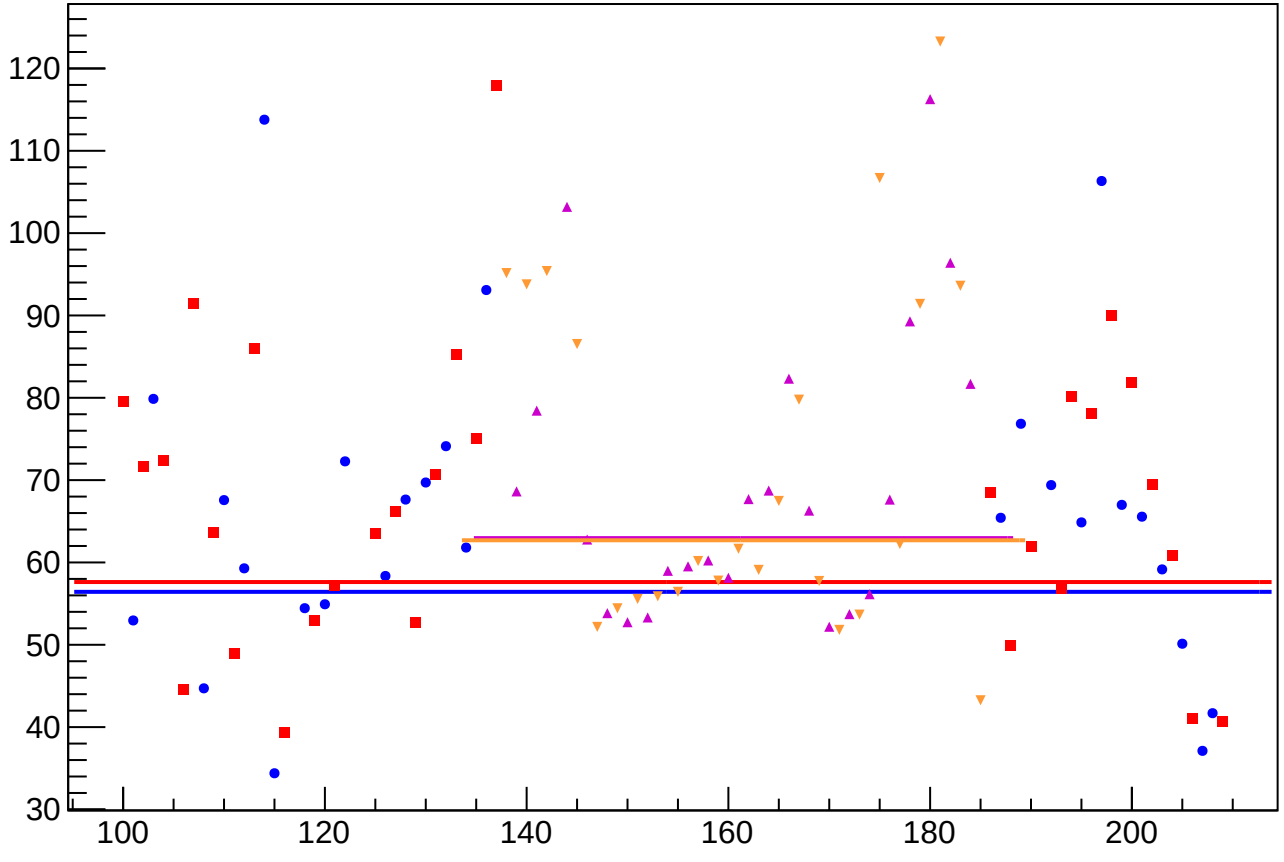
In: 59.663+/-0.008 χ^2/NDF:3578633.1/49

Out: 60.099+/-0.008 χ^2/NDF:4030063.6/53

All: 59.882+/-0.005 χ^2/NDF: 7610309.2/103


asym_us_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected
0.6
0.4
0.2
0
−0.2
−0.4
100
120
140
160
180
200
Right In: 0.015+/-0.015 χ²/NDF: 33.6/26
Left Out: -0.003+/-0.015 χ²/NDF:25.9/23
Right Out: -0.006+/-0.015 χ²/NDF: 40.0/29
Left In: -0.023+/-0.015 χ²/NDF:29.0/22
Left: -0.013+/-0.011 χ²/NDF: 55.7/46
Right: 0.004+/-0.011 χ²/NDF: 74.6/56
In: -0.004+/-0.011 χ²/NDF:65.6/49
Out: -0.005+/-0.011 χ²/NDF:65.9/53
All: -0.004+/-0.008 χ²/NDF: 131.5/103

asym_us_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 56.429+/-0.011 χ^2/NDF: 1969142.9/26

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

Right Out: 57.621+/-0.011 χ^2/NDF: 1980924.0/29

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

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

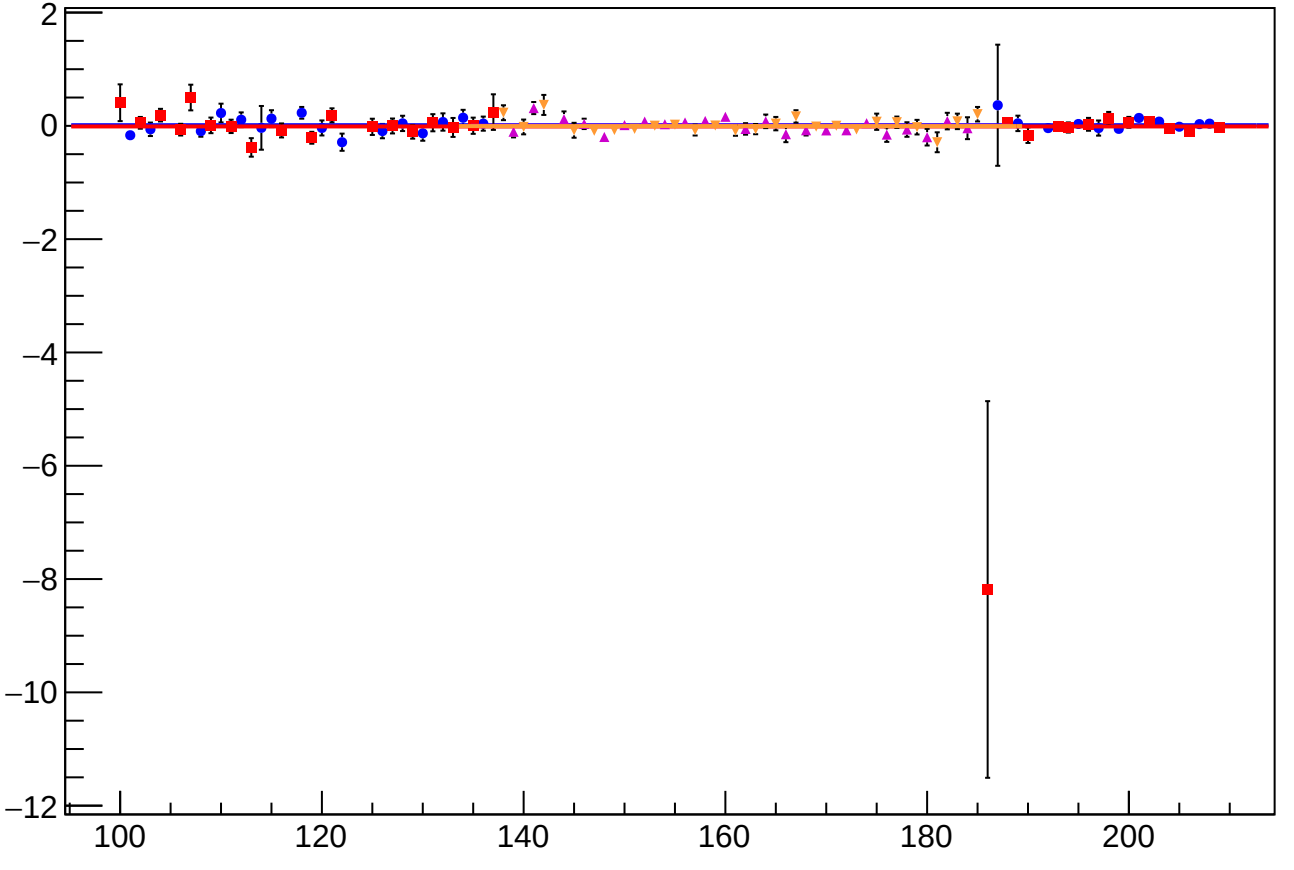
Right: 57.034+/-0.008 χ^2/NDF: 3956181.8/56

In: 59.663+/-0.008 χ^2/NDF:3578633.1/49

Out: 60.099+/-0.008 χ^2/NDF:4030063.6/53

All: 59.882+/-0.005 χ^2/NDF: 7610309.2/103

asym_us_avg_eigen_dit_vs_overload_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.012+/-0.019 χ^2/NDF: 25.7/26

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

Right Out: -0.011+/-0.019 χ^2/NDF: 38.3/29

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

Left: -0.001+/-0.015 χ^2/NDF: 51.9/46

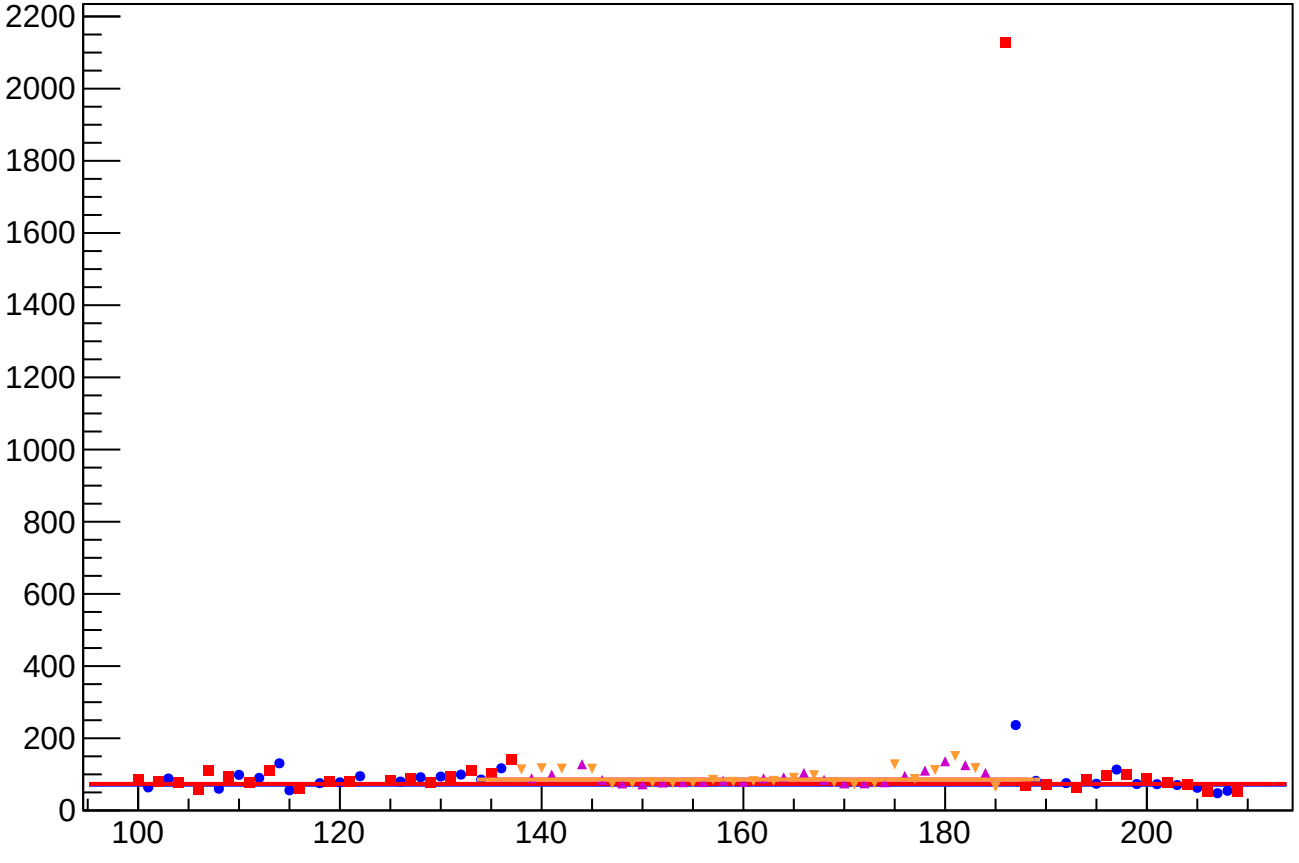
Right: 0.001+/-0.014 χ^2/NDF: 64.6/56

In: 0.007+/-0.014 χ^2/NDF:56.4/49

Out: -0.008+/-0.014 χ^2/NDF:59.7/53

All: -0.000+/-0.010 χ^2/NDF: 116.6/103

asym_us_avg_eigen_dit_vs_overload_cor_diff_rms vs Slug, Sign Corrected



Right In: 71.298+/-0.014 χ^2/NDF: 1639760.4/26

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

Right Out: 73.607+/-0.014 χ^2/NDF: 2226985.8/29

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

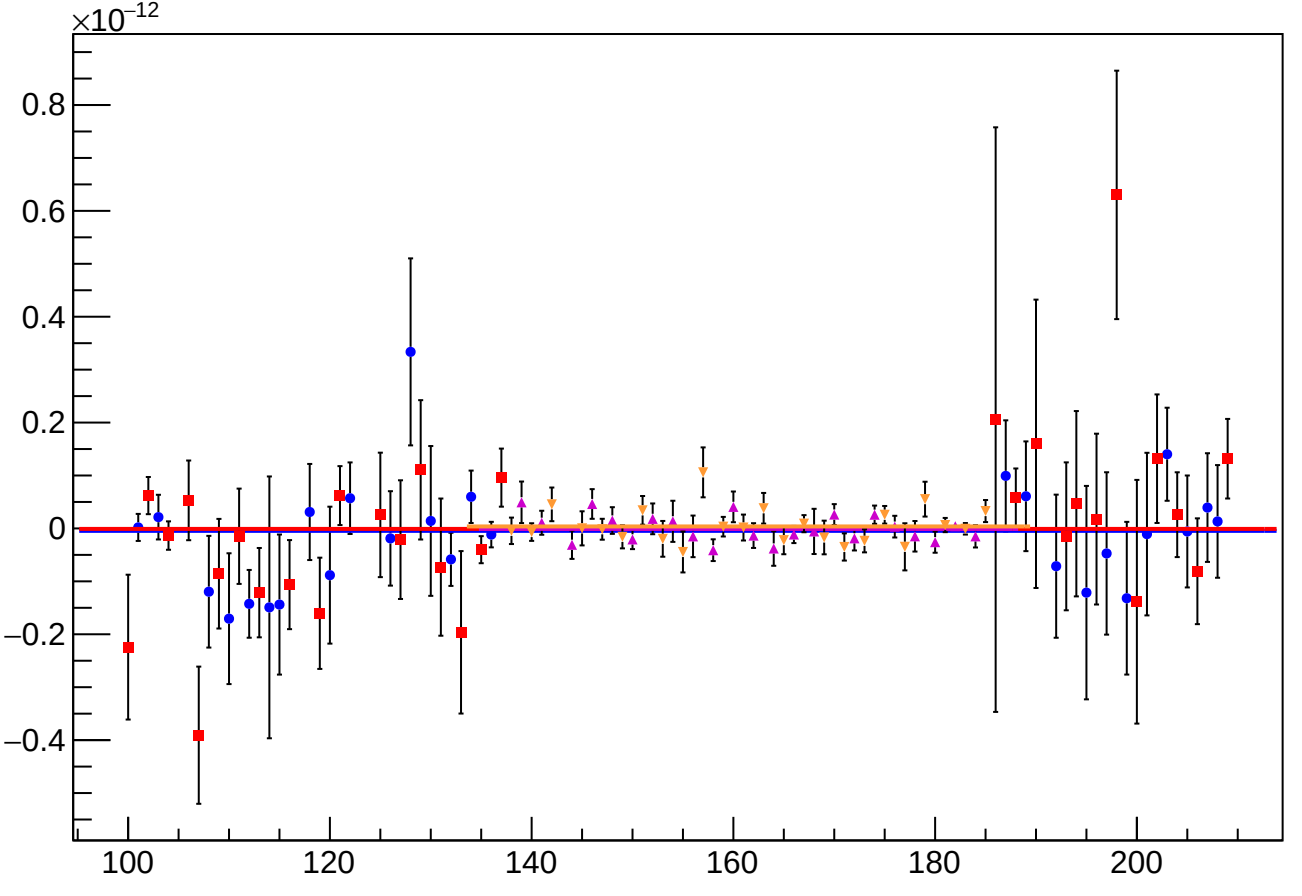
Left: 85.665+/-0.010 χ^2/NDF: 2348601.5/46

Right: 72.452+/-0.010 χ^2/NDF: 3881299.2/56

In: 77.934+/-0.010 χ^2/NDF:3156598.9/49

Out: 79.163+/-0.010 χ^2/NDF:3945072.7/53

All: 78.548+/-0.007 χ^2/NDF: 7109331.2/103



Right In: -0.000+/-0.000 χ^2/NDF: 23.3/26

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

Right Out: -0.000+/-0.000 χ^2/NDF: 46.1/29

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

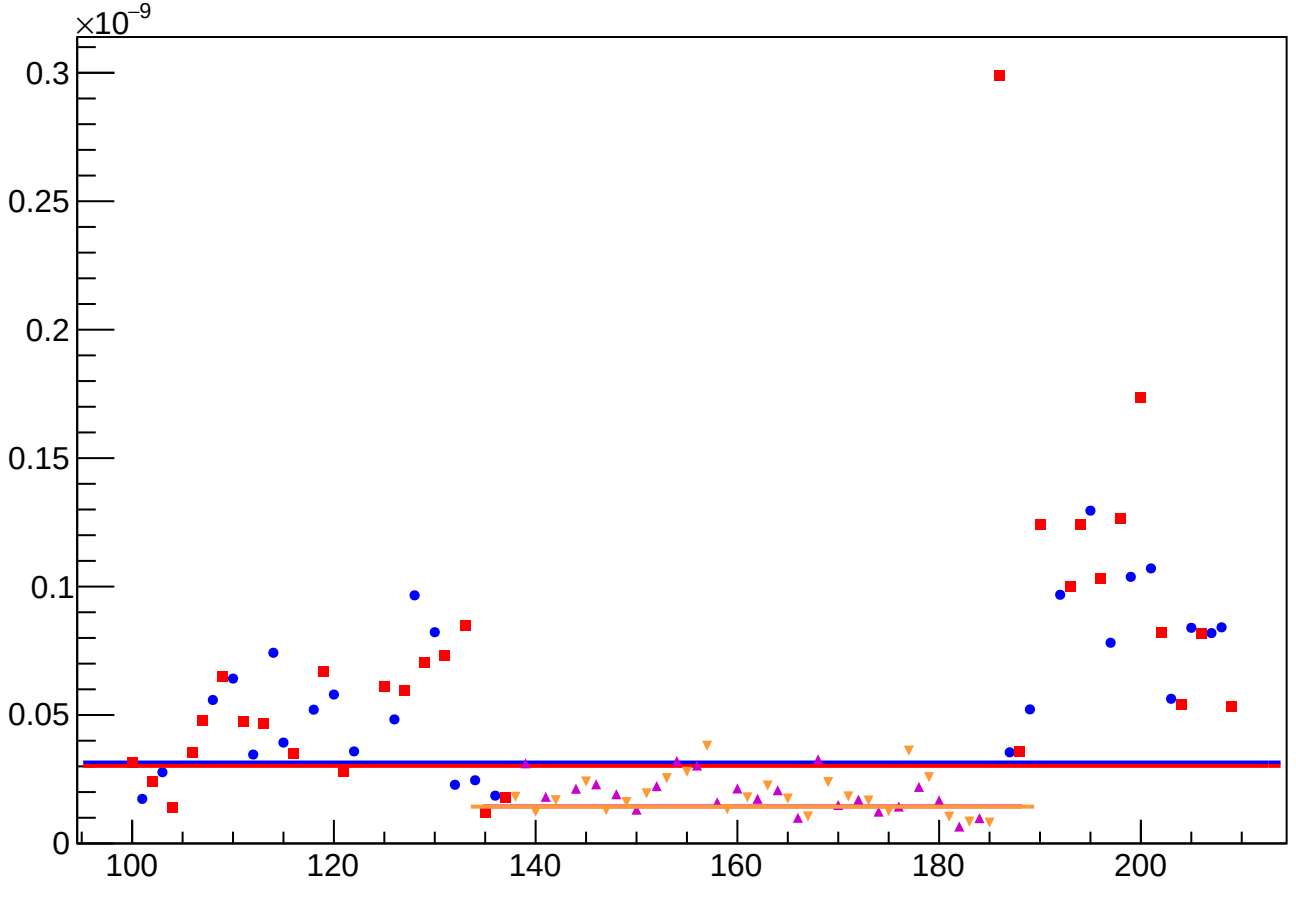
Left: 0.000+/-0.000 χ^2/NDF: 49.2/46

Right: -0.000+/-0.000 χ^2/NDF: 69.4/56

In: -0.000+/-0.000 χ^2/NDF:47.0/49

Out: 0.000+/-0.000 χ^2/NDF:71.2/53

All: 0.000+/-0.000 χ^2/NDF: 118.8/103



Right In: 0.000+/-0.000 χ^2/NDF: 6226383.6/26

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

Right Out: 0.000+/-0.000 χ^2/NDF: 8101007.7/29

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

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

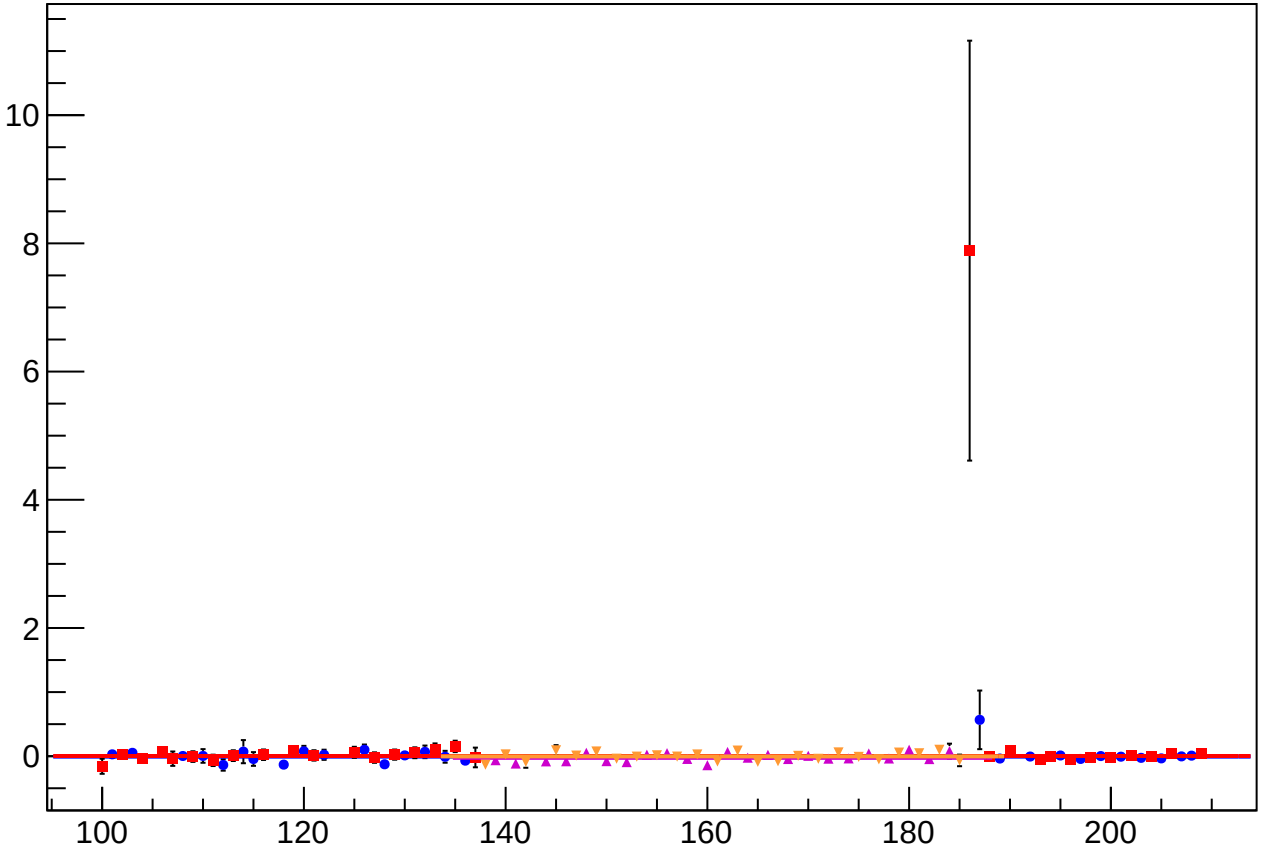
Right: 0.000+/-0.000 χ^2/NDF: 14338447.3/56

In: 0.000+/-0.000 χ^2/NDF:13843842.1/49

Out: 0.000+/-0.000 χ^2/NDF:14653991.0/53

All: 0.000+/-0.000 χ^2/NDF: 28501286.6/103

asym_us_avg_overload_cor_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.006+/-0.008 χ^2/NDF: 21.0/26

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

Right Out: 0.003+/-0.008 χ^2/NDF: 34.1/29

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

Left: -0.014+/-0.009 χ^2/NDF: 49.0/46

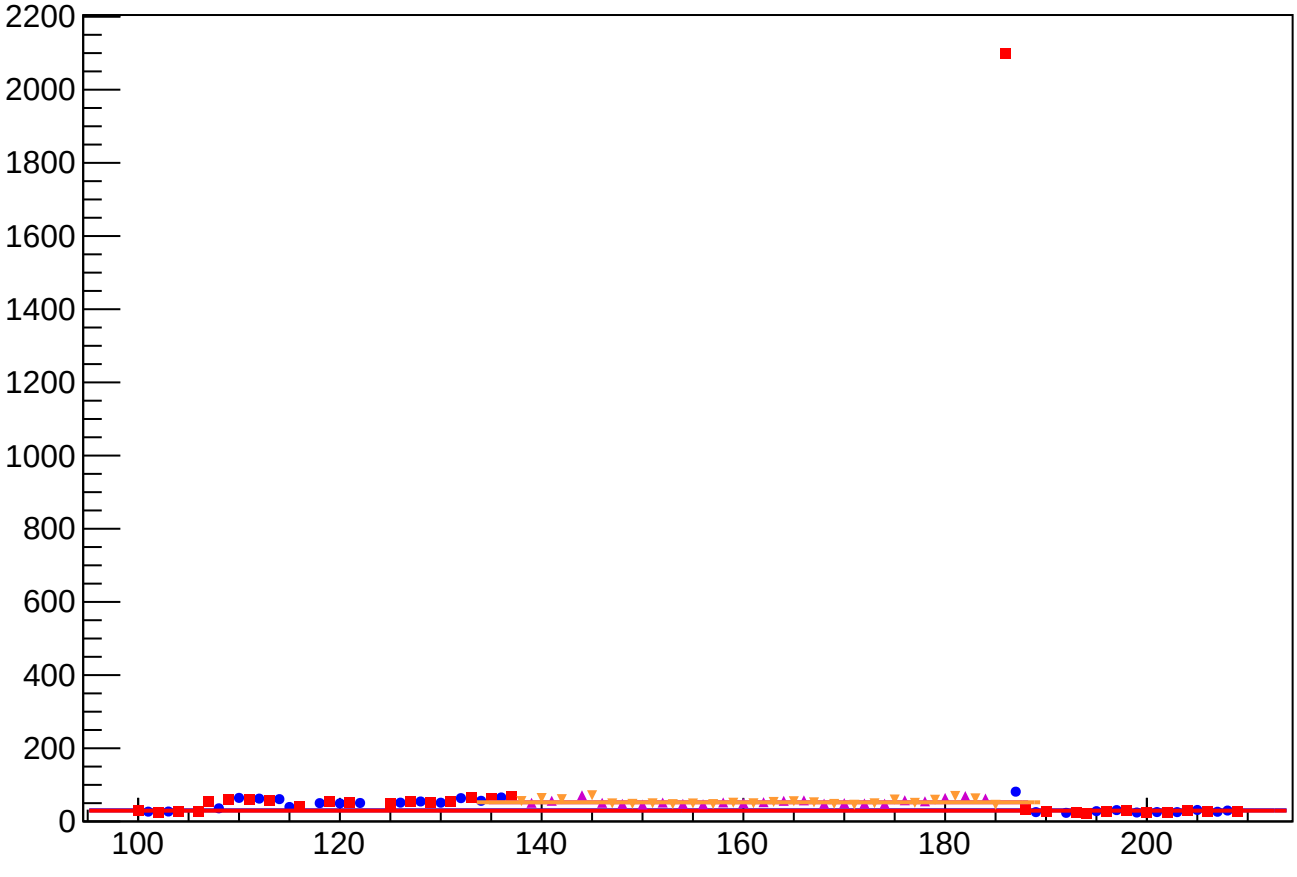
Right: -0.001+/-0.006 χ^2/NDF: 55.8/56

In: -0.012+/-0.007 χ^2/NDF:47.0/49

Out: 0.001+/-0.007 χ^2/NDF:57.4/53

All: -0.005+/-0.005 χ^2/NDF: 106.3/103

asym_us_avg_overload_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 30.403+/-0.006 χ^2/NDF: 2837373.0/26

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

Right Out: 29.508+/-0.006 χ^2/NDF: 3833593.6/29

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

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

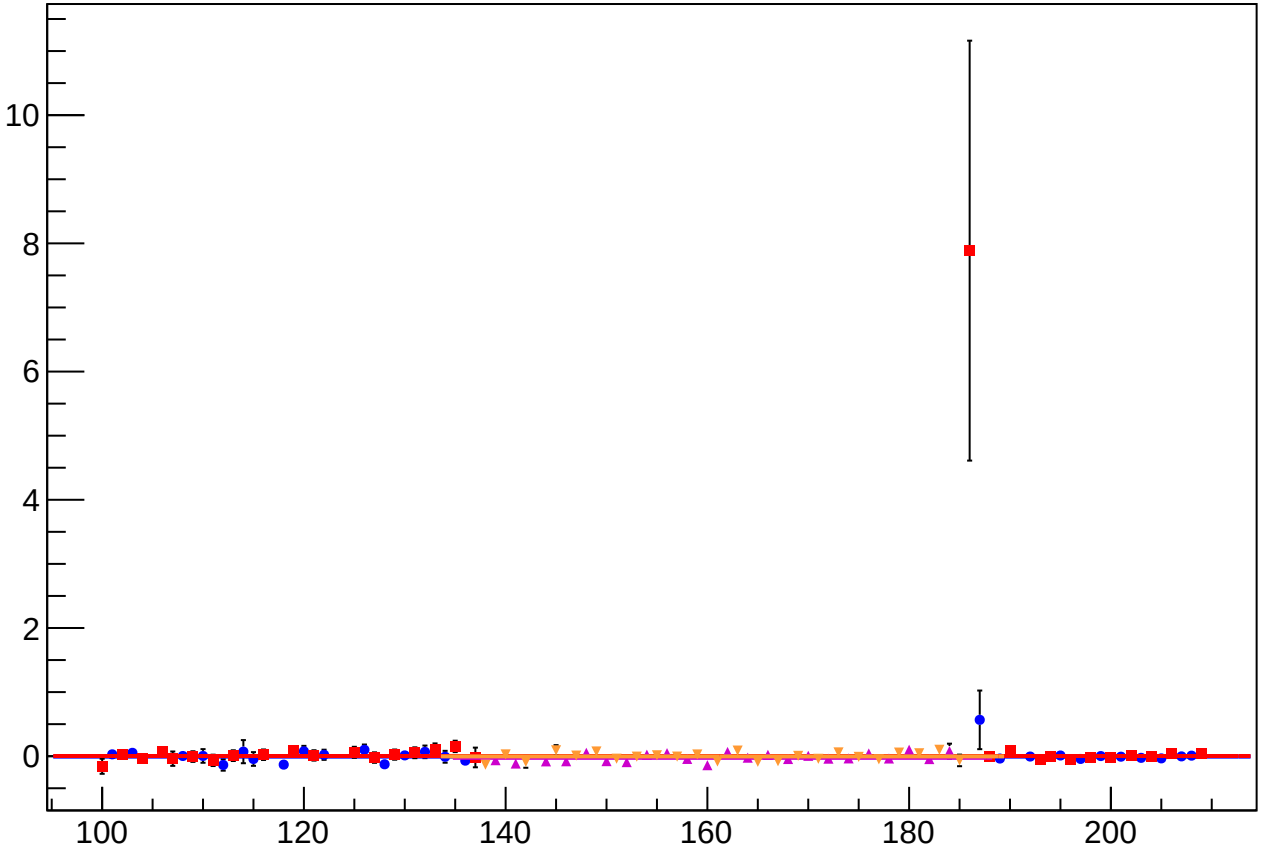
Right: 29.933+/-0.004 χ^2/NDF: 6683110.7/56

In: 37.167+/-0.005 χ^2/NDF:7603537.3/49

Out: 36.103+/-0.005 χ^2/NDF:9174375.0/53

All: 36.615+/-0.003 χ^2/NDF: 16802399.8/103

asym_us_avg_overload_cor_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.006+/-0.008 χ^2/NDF: 21.0/26

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

Right Out: 0.003+/-0.008 χ^2/NDF: 34.1/29

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

Left: -0.014+/-0.009 χ^2/NDF: 49.0/46

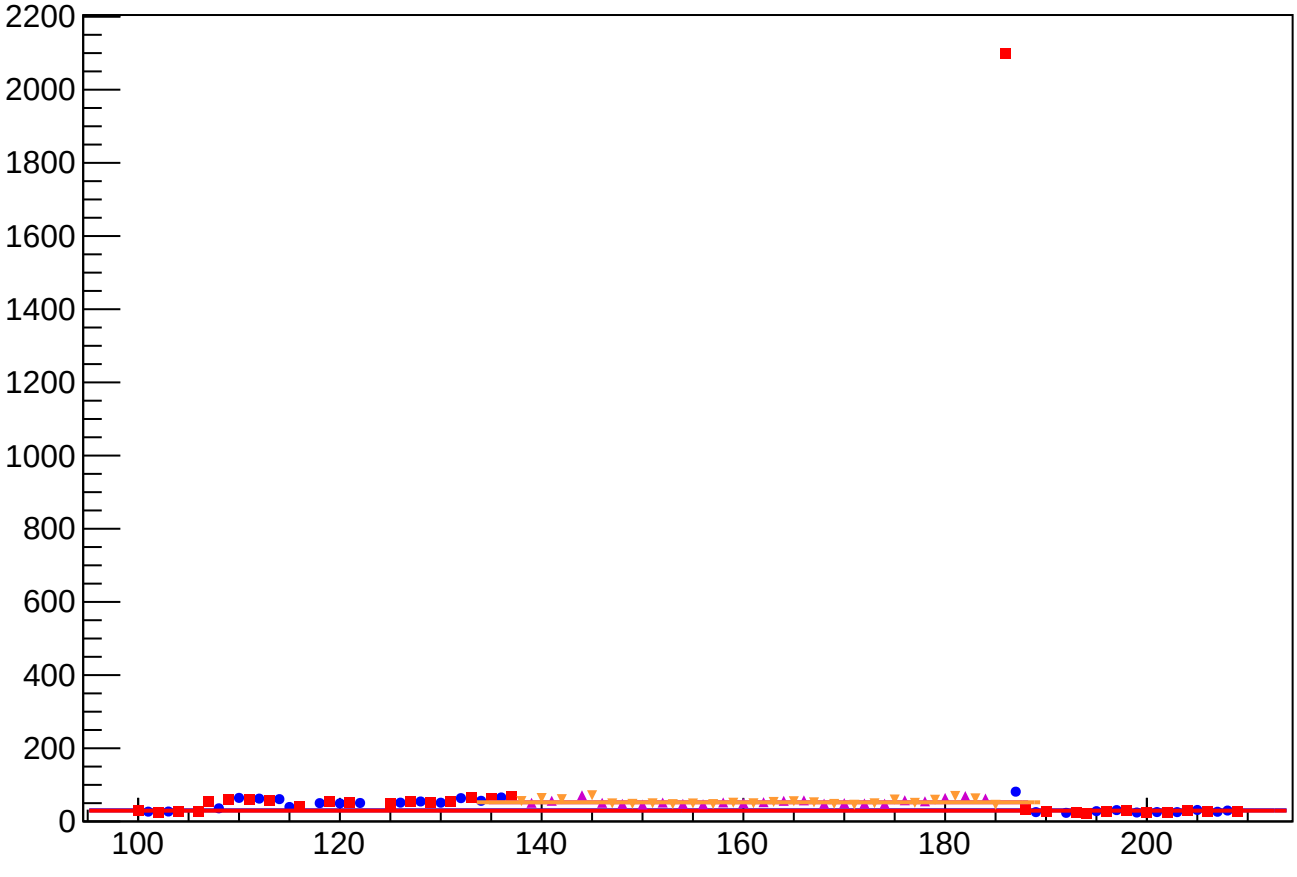
Right: -0.001+/-0.006 χ^2/NDF: 55.8/56

In: -0.012+/-0.007 χ^2/NDF:47.0/49

Out: 0.001+/-0.007 χ^2/NDF:57.4/53

All: -0.005+/-0.005 χ^2/NDF: 106.3/103

asym_us_avg_overload_cor_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 30.403+/-0.006 χ^2/NDF: 2837373.0/26

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

Right Out: 29.508+/-0.006 χ^2/NDF: 3833593.6/29

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

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

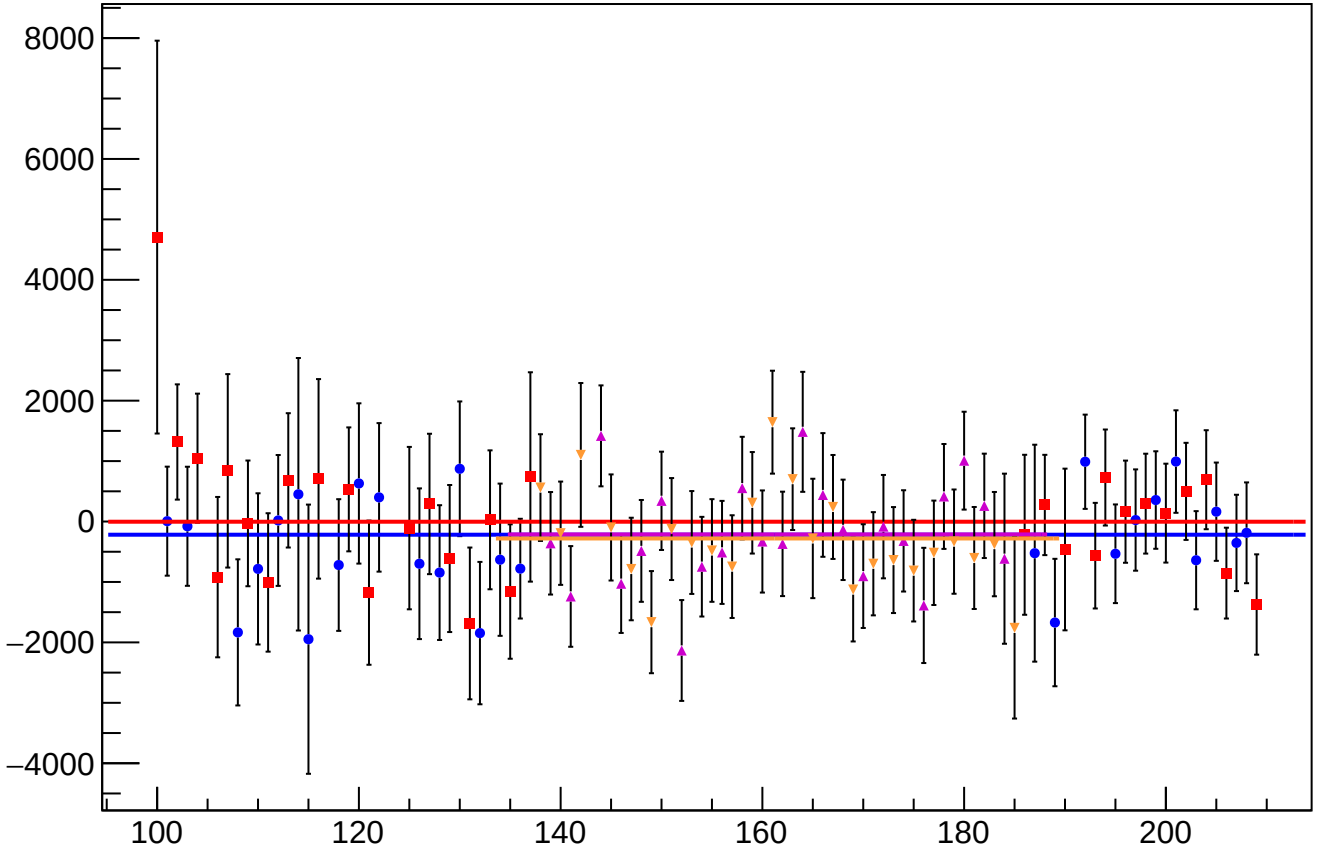
Right: 29.933+/-0.004 χ^2/NDF: 6683110.7/56

In: 37.167+/-0.005 χ^2/NDF:7603537.3/49

Out: 36.103+/-0.005 χ^2/NDF:9174375.0/53

All: 36.615+/-0.003 χ^2/NDF: 16802399.8/103

reg_asym_us_dd_mean vs Slug, Sign Corrected



Right In: -218.187+/-193.456 χ^2/NDF: 15.2/26

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

Right Out: -3.111+/-188.501 χ^2/NDF: 18.5/29

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

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

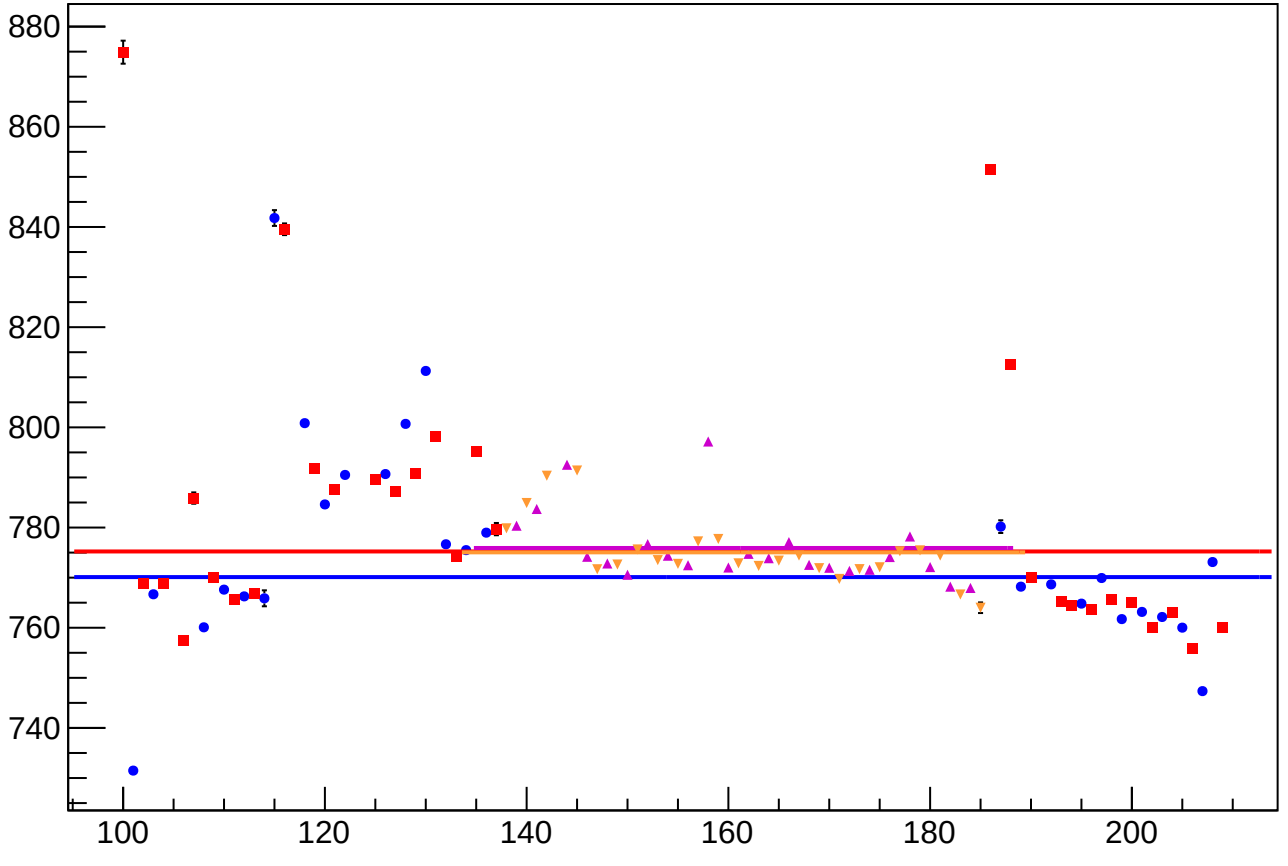
Right: -107.859+/-135.008 χ^2/NDF: 34.4/56

In: -215.650+/-132.236 χ^2/NDF:37.6/49

Out: -148.222+/-130.136 χ^2/NDF:35.7/53

All: -181.396+/-92.753 χ^2/NDF: 73.4/103

reg_asym_us_dd_rms vs Slug, Sign Corrected



Right In: 770.111+/-0.137 χ^2/NDF: 16094.5/26

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

Right Out: 775.228+/-0.133 χ^2/NDF: 24146.1/29

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

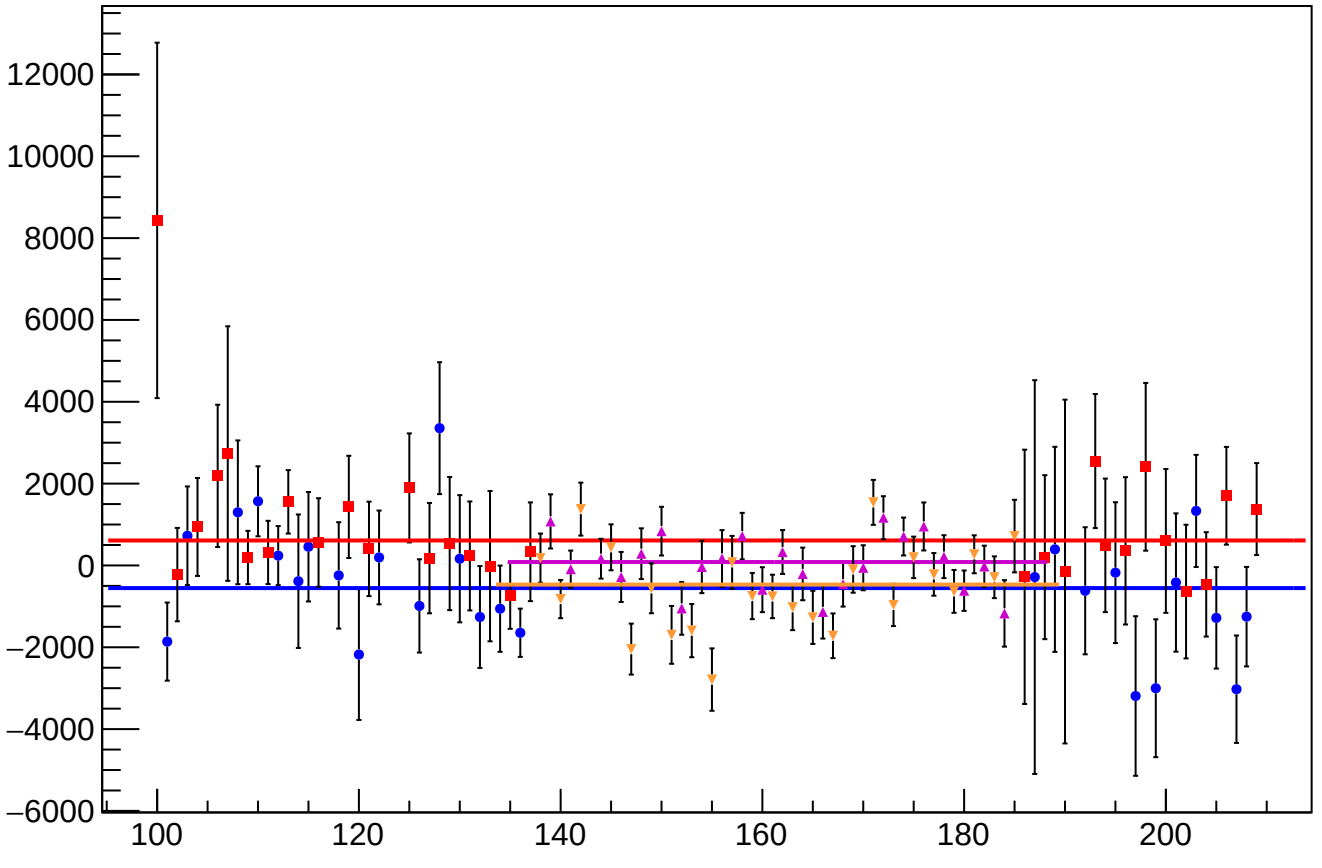
Left: 775.483+/-0.090 χ^2/NDF: 4947.6/46

Right: 772.736+/-0.095 χ^2/NDF: 40958.2/56

In: 773.207+/-0.094 χ^2/NDF:20028.7/49

Out: 775.134+/-0.092 χ^2/NDF:26098.4/53

All: 774.186+/-0.066 χ^2/NDF: 46343.0/103



Right In: -553.486+/-233.008 χ^2/NDF: 34.0/26

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

Right Out: 610.362+/-229.554 χ^2/NDF: 16.7/29

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

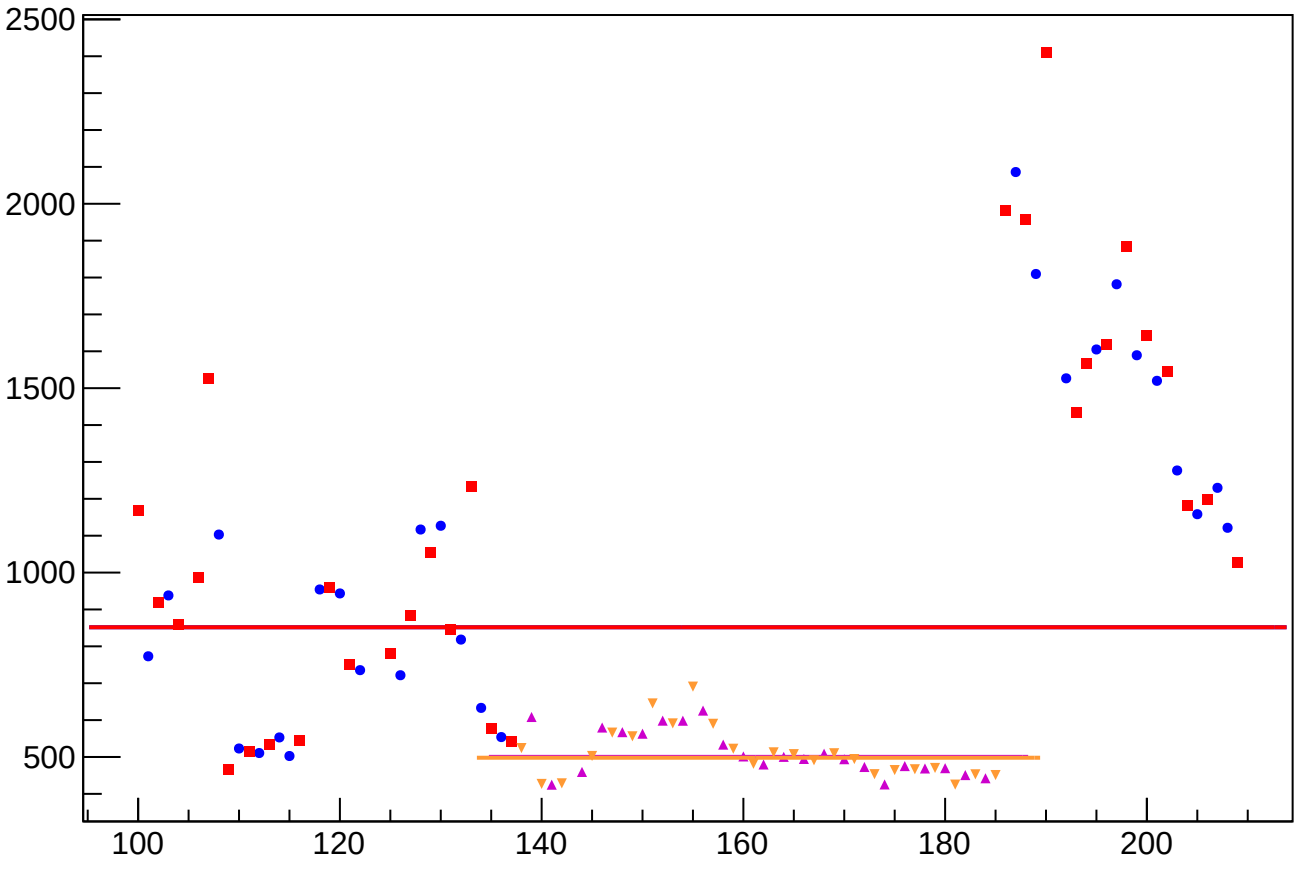
Left: -194.569+/-82.913 χ^2/NDF: 103.6/46

Right: 37.128+/-163.527 χ^2/NDF: 63.4/56

In: -46.456+/-105.134 χ^2/NDF:68.1/49

Out: -245.824+/-104.037 χ^2/NDF:98.6/53

All: -147.186+/-73.950 χ^2/NDF: 168.6/103



Right In: 851.727+/-0.165 χ^2/NDF: 4702666.1/26

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

Right Out: 851.730+/-0.162 χ^2/NDF: 5986573.6/29

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

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

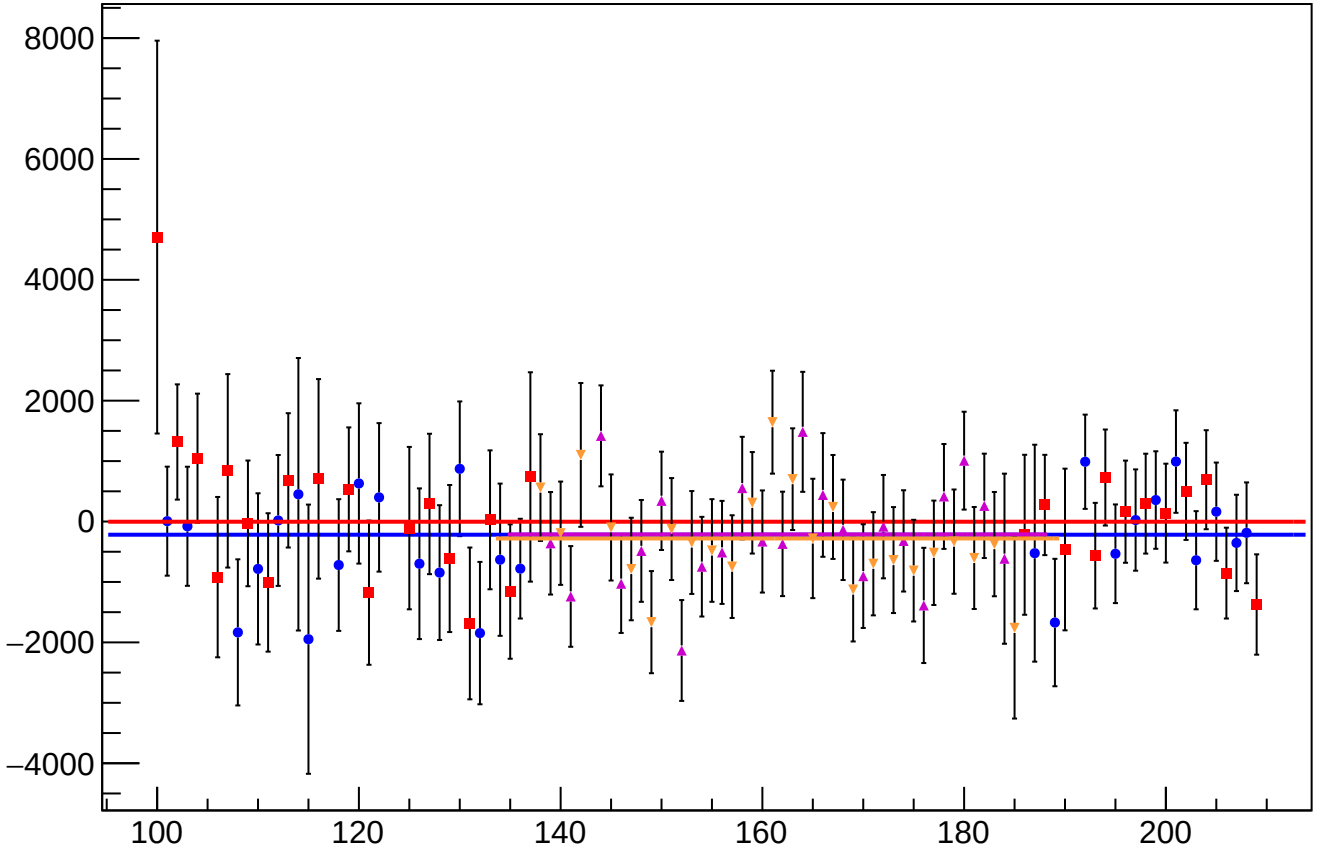
Right: 851.728+/-0.116 χ^2/NDF: 10689239.7/56

In: 571.851+/-0.074 χ^2/NDF:8803169.6/49

Out: 570.631+/-0.074 χ^2/NDF:10287839.1/53

All: 571.234+/-0.052 χ^2/NDF: 19091144.8/10

cor_asym_us_dd_mean vs Slug, Sign Corrected



Right In: -218.187+/-193.456 χ^2/NDF: 15.2/26

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

Right Out: -3.111+/-188.501 χ^2/NDF: 18.5/29

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

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

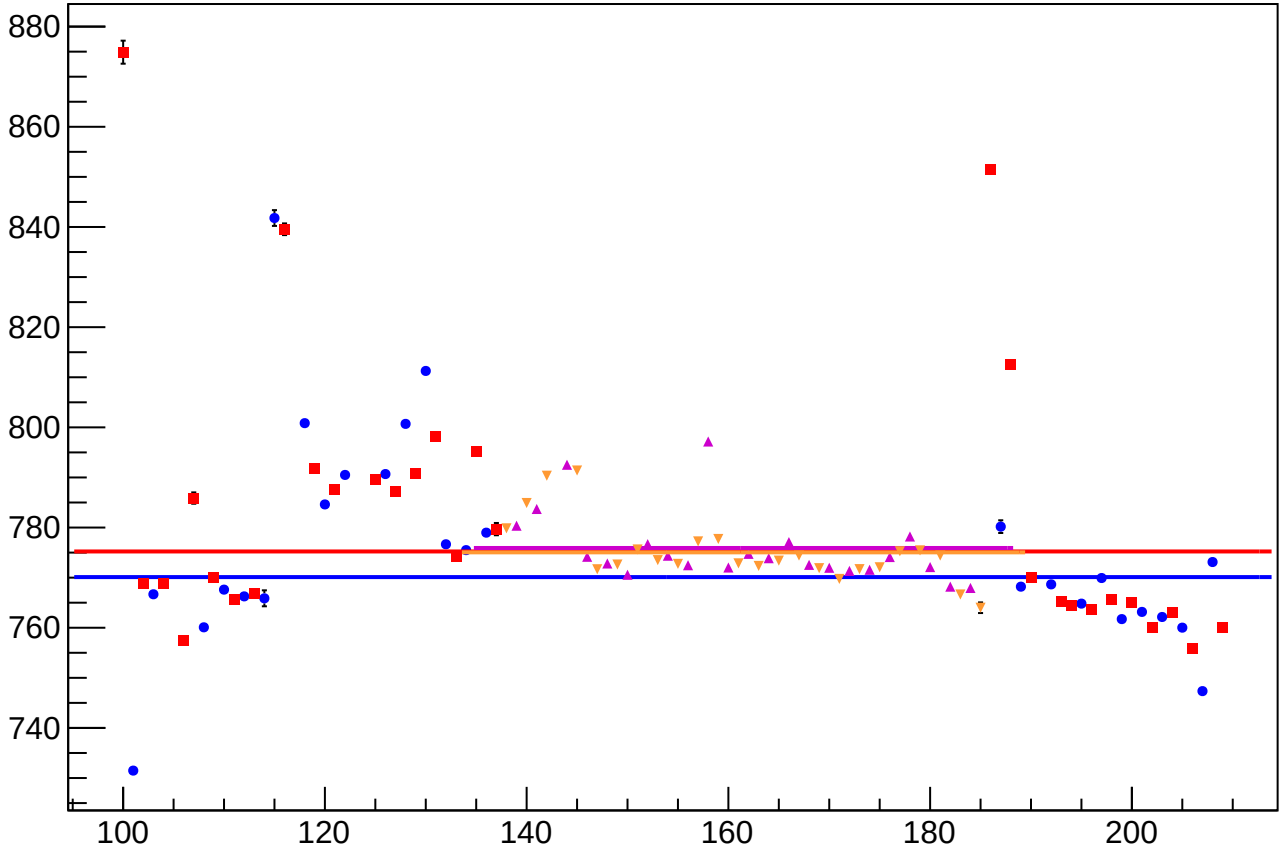
Right: -107.859+/-135.008 χ^2/NDF: 34.4/56

In: -215.650+/-132.236 χ^2/NDF:37.6/49

Out: -148.222+/-130.136 χ^2/NDF:35.7/53

All: -181.396+/-92.753 χ^2/NDF: 73.4/103

cor_asym_us_dd_rms vs Slug, Sign Corrected



Right In: 770.111+/-0.137 χ^2/NDF: 16094.5/26

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

Right Out: 775.228+/-0.133 χ^2/NDF: 24146.1/29

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

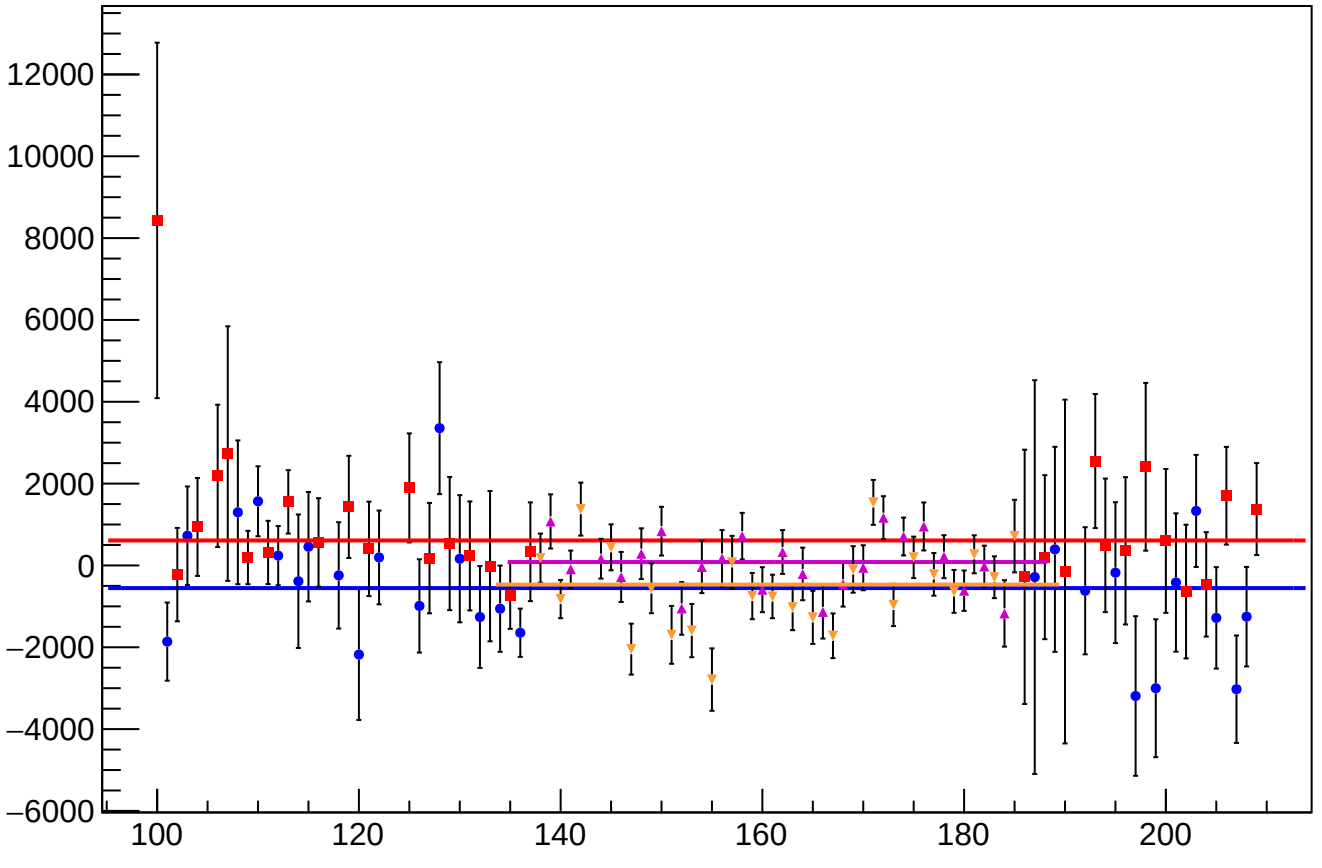
Left: 775.483+/-0.090 χ^2/NDF: 4947.6/46

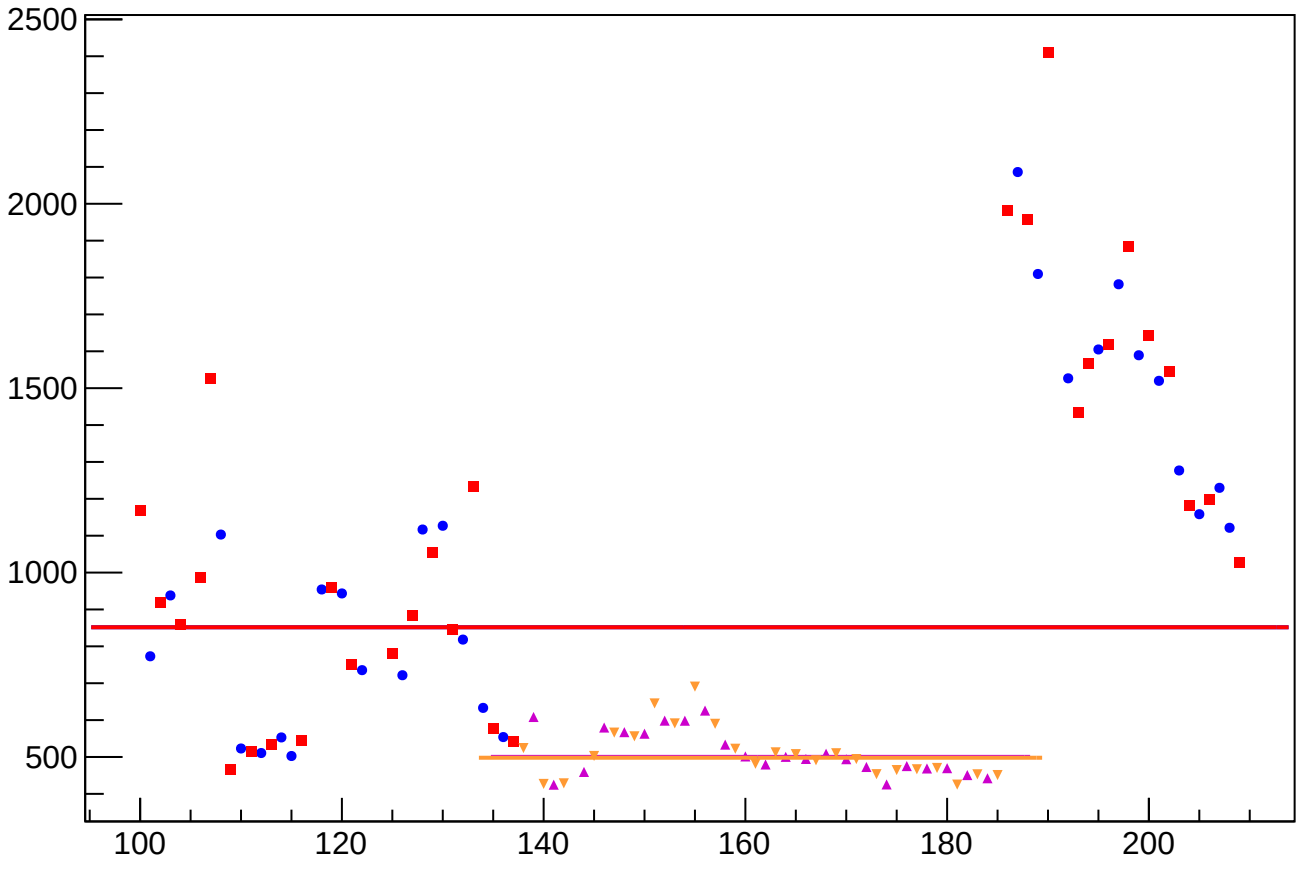
Right: 772.736+/-0.095 χ^2/NDF: 40958.2/56

In: 773.207+/-0.094 χ^2/NDF:20028.7/49

Out: 775.134+/-0.092 χ^2/NDF:26098.4/53

All: 774.186+/-0.066 χ^2/NDF: 46343.0/103


asym_us_dd_cor_correction_mean vs Slug, Sign Corrected
12000
10000
8000
6000
4000
2000
0
−2000
−4000
−6000
100
120
140
160
180
200
Right In: -553.486+/-233.008 χ²/NDF: 34.0/26
Left Out: -467.151+/-116.712 χ²/NDF:64.4/23
Right Out: 610.362+/-229.554 χ²/NDF: 16.7/29
Left In: 83.154+/-117.808 χ²/NDF:28.1/22
Left: -194.569+/-82.913 χ²/NDF: 103.6/46
Right: 37.128+/-163.527 χ²/NDF: 63.4/56
In: -46.456+/-105.134 χ²/NDF:68.1/49
Out: -245.824+/-104.037 χ²/NDF:98.6/53
All: -147.186+/-73.950 χ²/NDF: 168.6/103



Right In: 851.727+/-0.165 χ^2/NDF: 4702666.1/26

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

Right Out: 851.730+/-0.162 χ^2/NDF: 5986573.6/29

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

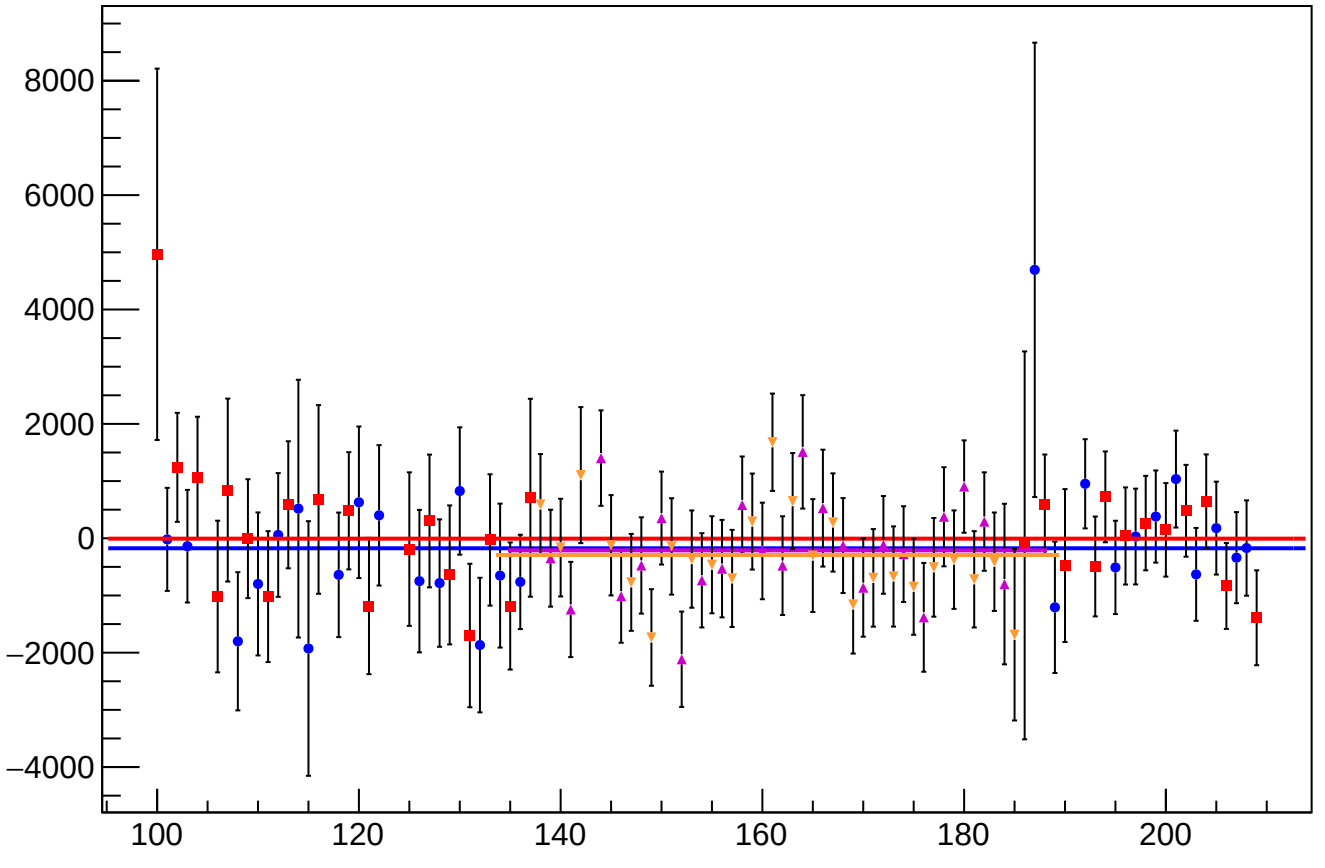
Left: 499.125+/-0.059 χ^2/NDF: 1004780.2/46

Right: 851.728+/-0.116 χ^2/NDF: 10689239.7/56

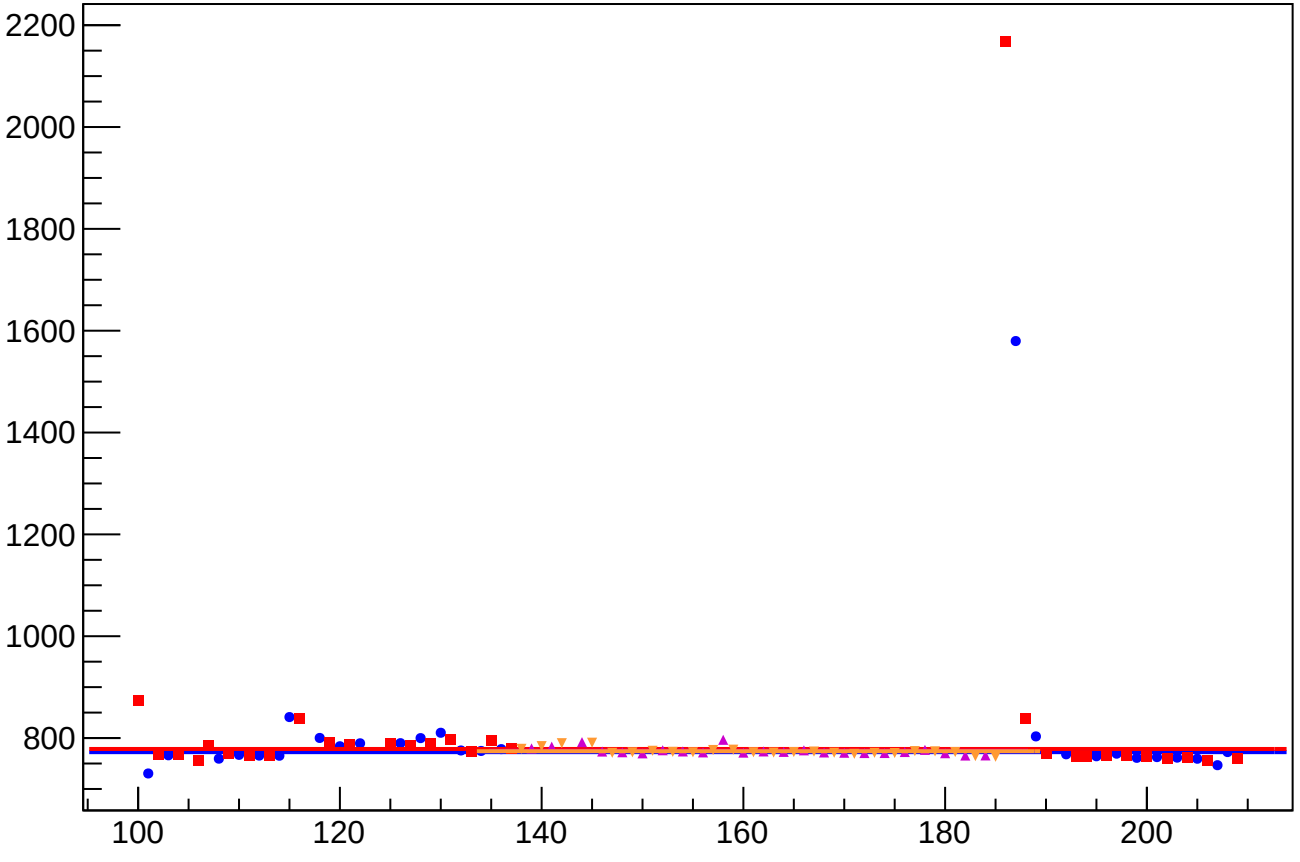
In: 571.851+/-0.074 χ^2/NDF:8803169.6/49

Out: 570.631+/-0.074 χ^2/NDF:10287839.1/53

All: 571.234+/-0.052 χ^2/NDF: 19091144.8/10


overload_cor_asym_us_dd_mean vs Slug, Sign Corrected
8000
6000
4000
2000
0
−2000
−4000
100
120
140
160
180
200
Right In: -174.723+/-194.708 χ²/NDF: 15.4/26
Left Out: -292.036+/-179.670 χ²/NDF:16.6/23
Right Out: -6.351+/-190.532 χ²/NDF: 18.7/29
Left In: -211.238+/-180.951 χ²/NDF:22.1/22
Left: -251.924+/-127.496 χ²/NDF: 38.8/46
Right: -88.712+/-136.179 χ²/NDF: 34.5/56
In: -194.316+/-132.548 χ²/NDF:37.5/49
Out: -157.569+/-130.717 χ²/NDF:36.5/53
All: -175.687+/-93.072 χ²/NDF: 74.1/103

overload_cor_asym_us_dd_rms vs Slug, Sign Corrected



Right In: 772.311+/-0.138 χ^2/NDF: 100556.3/26

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

Right Out: 778.562+/-0.135 χ^2/NDF: 360305.2/29

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

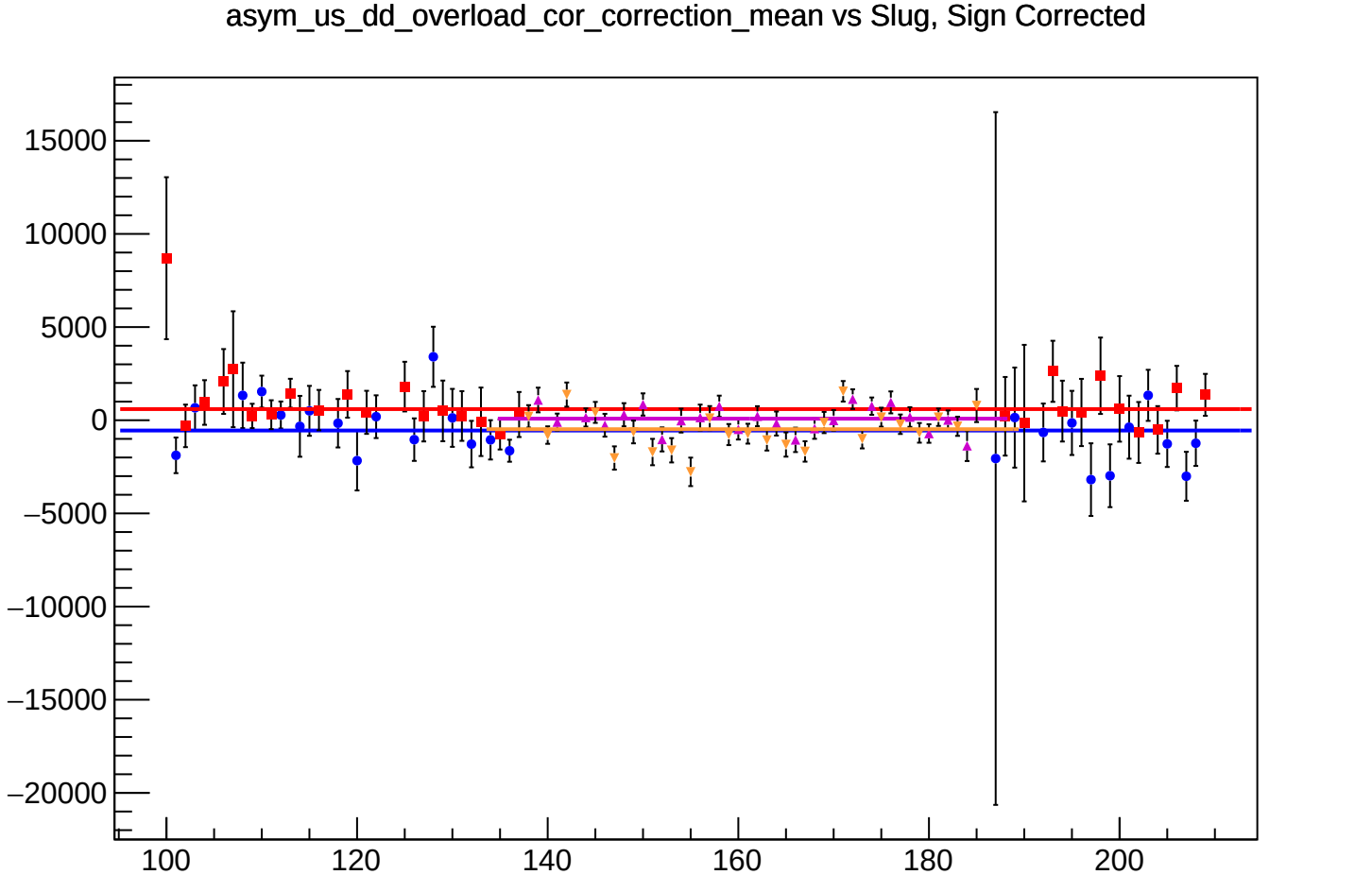
Left: 774.563+/-0.090 χ^2/NDF: 5230.7/46

Right: 775.504+/-0.096 χ^2/NDF: 461914.6/56

In: 773.748+/-0.094 χ^2/NDF:103907.6/49

Out: 776.222+/-0.092 χ^2/NDF:362935.4/53

All: 775.002+/-0.066 χ^2/NDF: 467196.3/103



Right In: -551.712+/-233.668 χ^2/NDF: 34.0/26

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

Right Out: 598.170+/-230.618 χ^2/NDF: 16.6/28

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

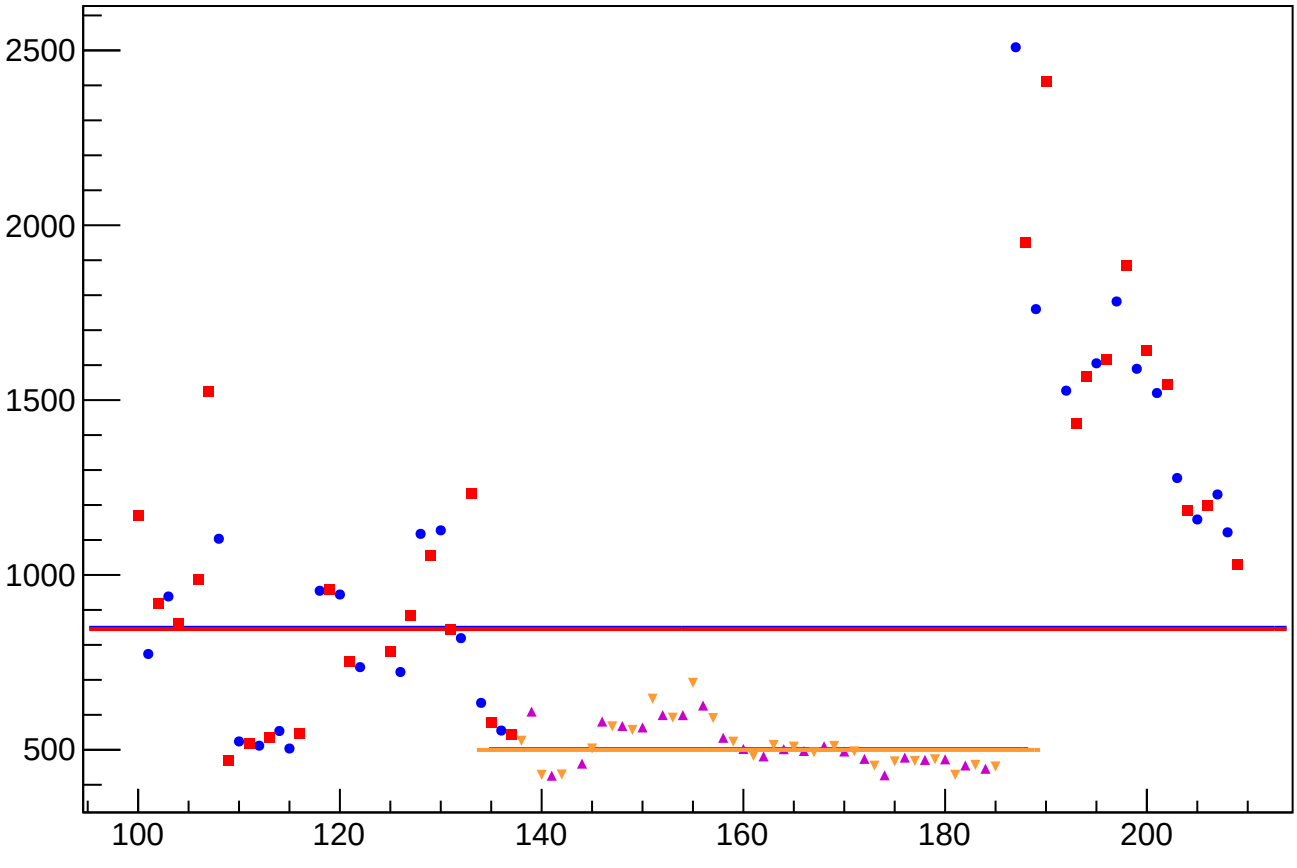
Left: -201.704+/-83.183 χ^2/NDF: 103.3/46

Right: 30.781+/-164.139 χ^2/NDF: 62.8/55

In: -46.154+/-105.469 χ^2/NDF:68.1/49

Out: -260.069+/-104.405 χ^2/NDF:97.5/52

All: -154.196+/-74.199 χ^2/NDF: 167.7/102



Right In: 848.868+/-0.165 χ^2/NDF: 4508807.7/26

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

Right Out: 845.200+/-0.163 χ^2/NDF: 5631174.6/28

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

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

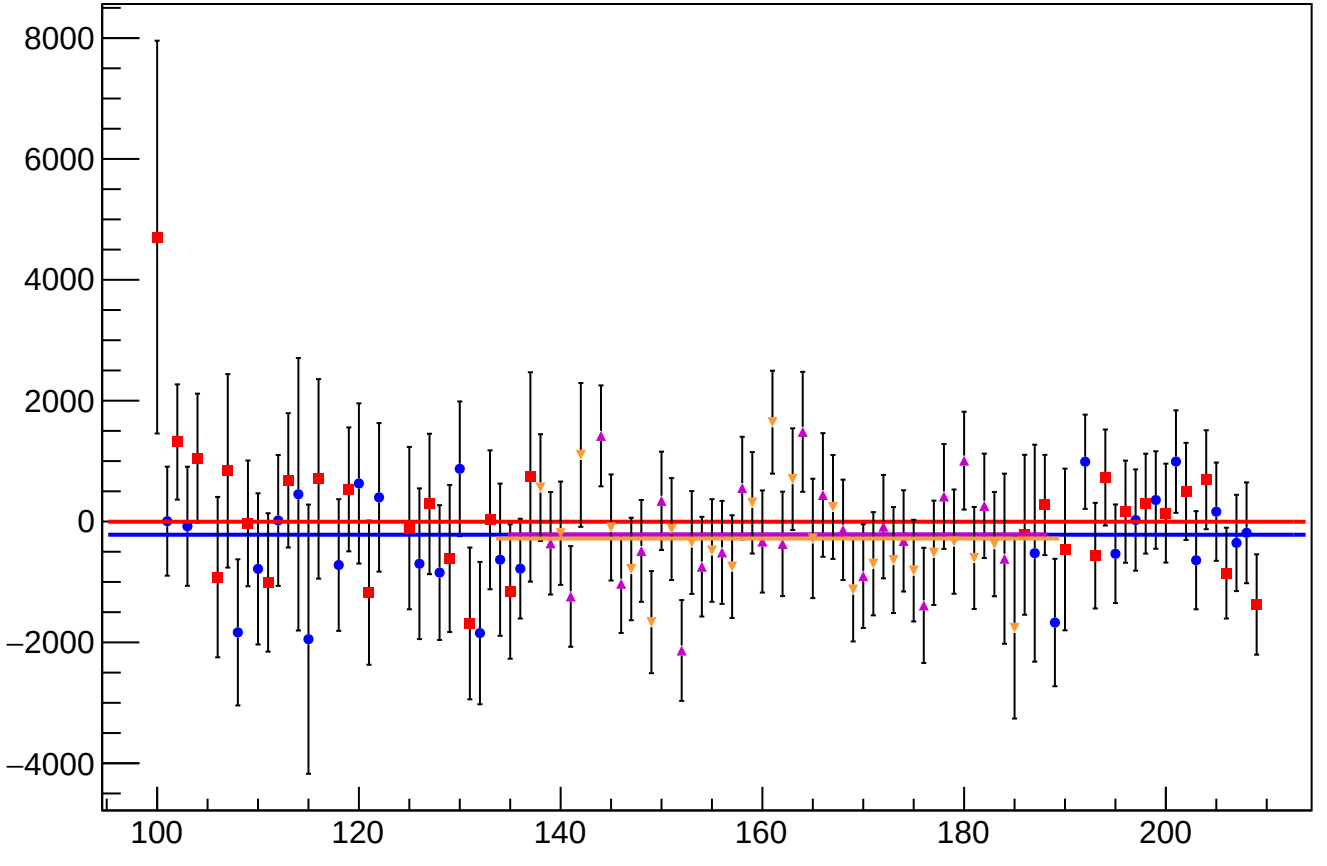
Right: 847.010+/-0.116 χ^2/NDF: 10140232.0/55

In: 572.688+/-0.075 χ^2/NDF:8485046.1/49

Out: 570.488+/-0.074 χ^2/NDF:9716979.2/52

All: 571.577+/-0.052 χ^2/NDF: 18202465.1/10

eigen_cor_asym_us_dd_mean vs Slug, Sign Corrected



Right In: -218.187+/-193.456 χ^2/NDF: 15.2/26

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

Right Out: -3.111+/-188.501 χ^2/NDF: 18.5/29

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

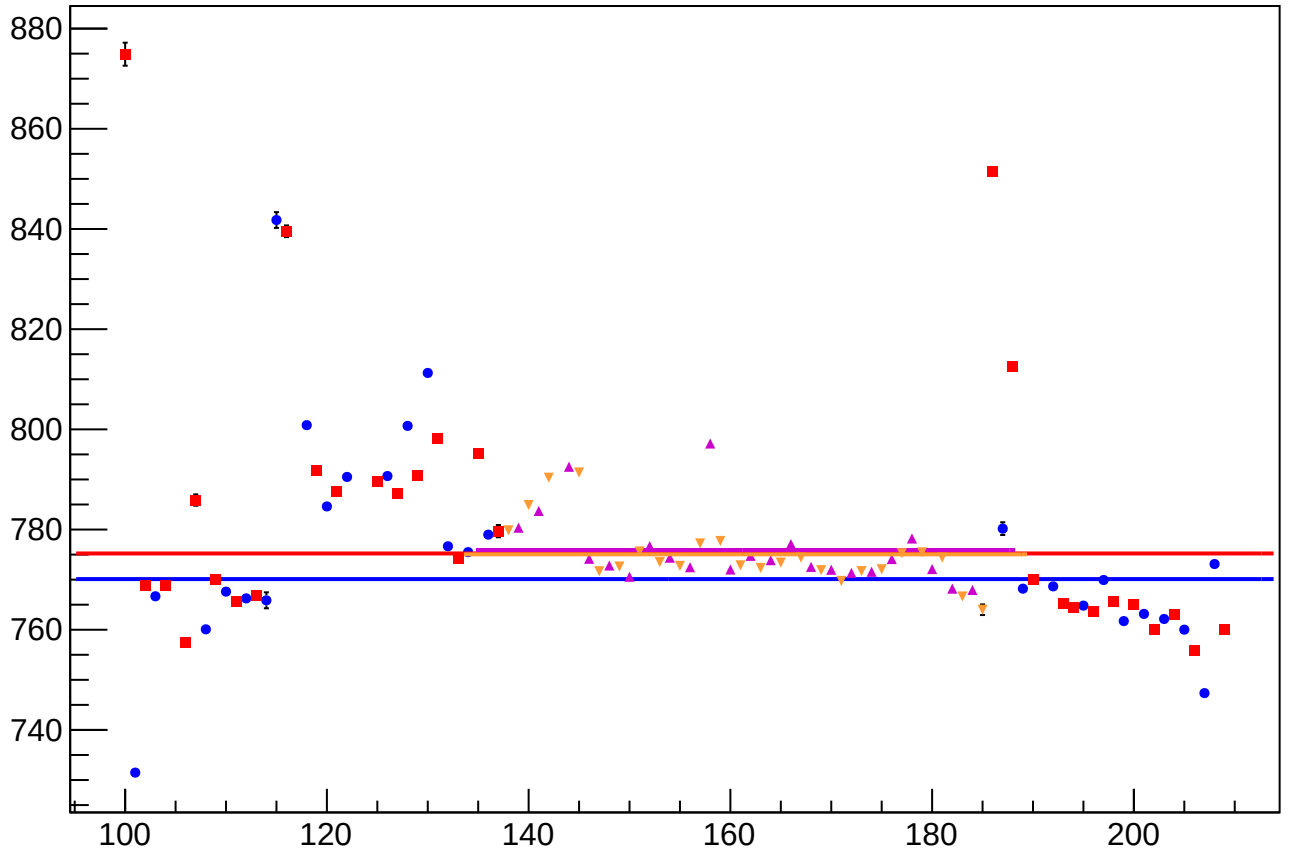
Left: -247.133+/-127.647 χ^2/NDF: 38.5/46

Right: -107.859+/-135.008 χ^2/NDF: 34.4/56

In: -215.650+/-132.236 χ^2/NDF:37.6/49

Out: -148.222+/-130.136 χ^2/NDF:35.7/53

All: -181.396+/-92.753 χ^2/NDF: 73.4/103



Right In: 770.111+/-0.137 χ^2/NDF: 16094.5/26

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

Right Out: 775.228+/-0.133 χ^2/NDF: 24146.1/29

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

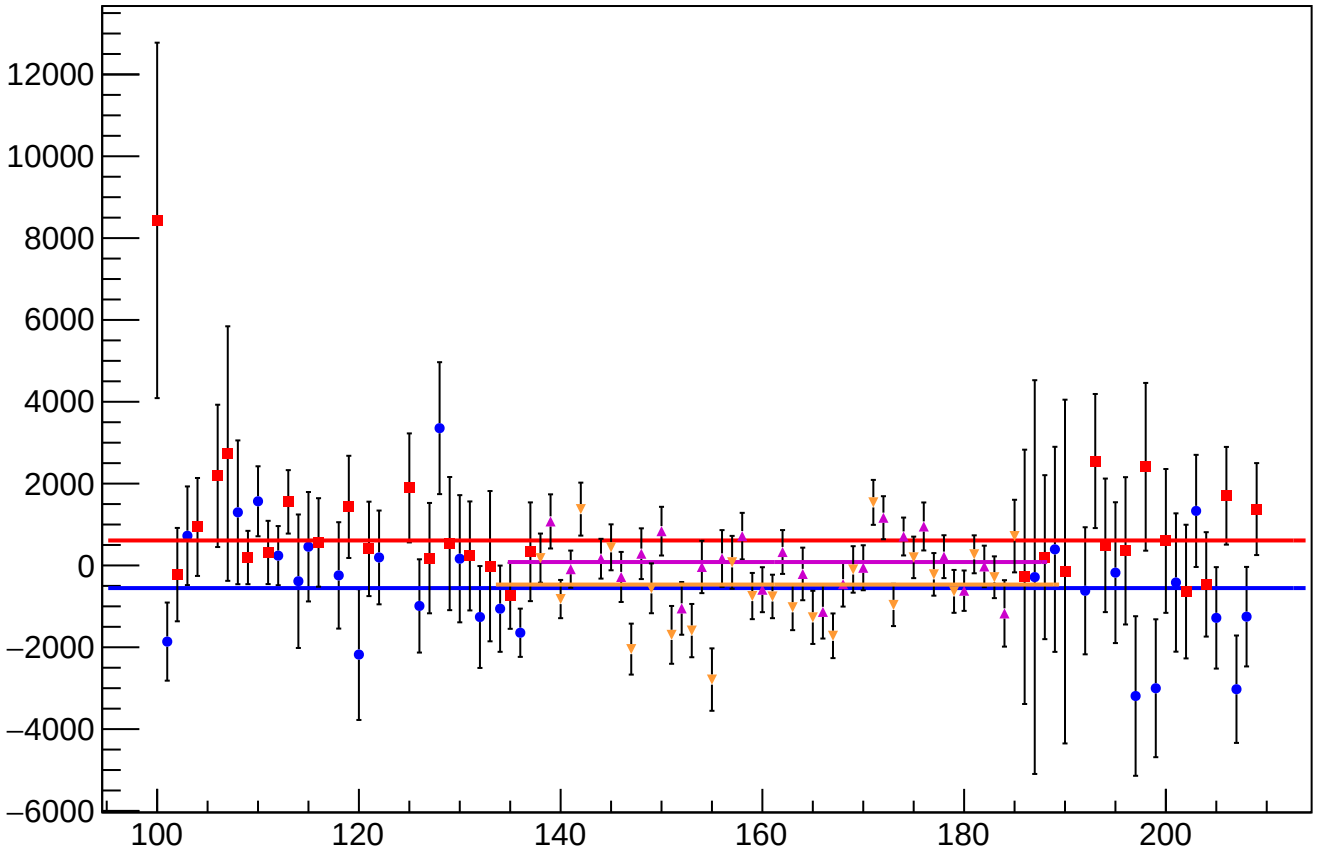
Left: 775.483+/-0.090 χ^2/NDF: 4947.6/46

Right: 772.736+/-0.095 χ^2/NDF: 40958.2/56

In: 773.207+/-0.094 χ^2/NDF:20028.7/49

Out: 775.134+/-0.092 χ^2/NDF:26098.4/53

All: 774.186+/-0.066 χ^2/NDF: 46343.0/103



Right In: -553.486+/-233.008 χ^2/NDF: 34.0/26

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

Right Out: 610.362+/-229.554 χ^2/NDF: 16.7/29

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

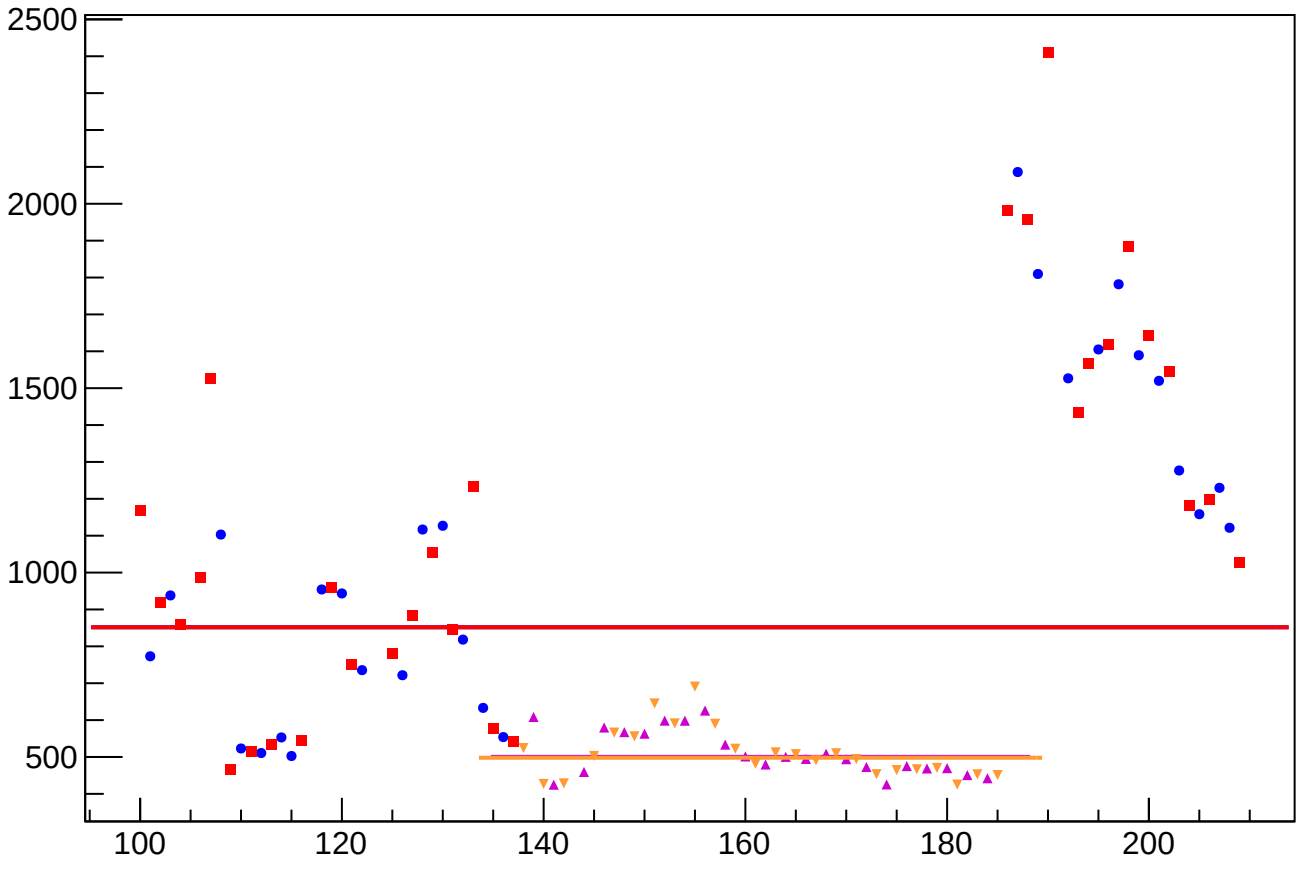
Left: -194.569+/-82.913 χ^2/NDF: 103.6/46

Right: 37.128+/-163.527 χ^2/NDF: 63.4/56

In: -46.456+/-105.134 χ^2/NDF:68.1/49

Out: -245.824+/-104.037 χ^2/NDF:98.6/53

All: -147.186+/-73.950 χ^2/NDF: 168.6/103



Right In: 851.727+/-0.165 χ^2/NDF: 4702666.1/26

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

Right Out: 851.730+/-0.162 χ^2/NDF: 5986573.6/29

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

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

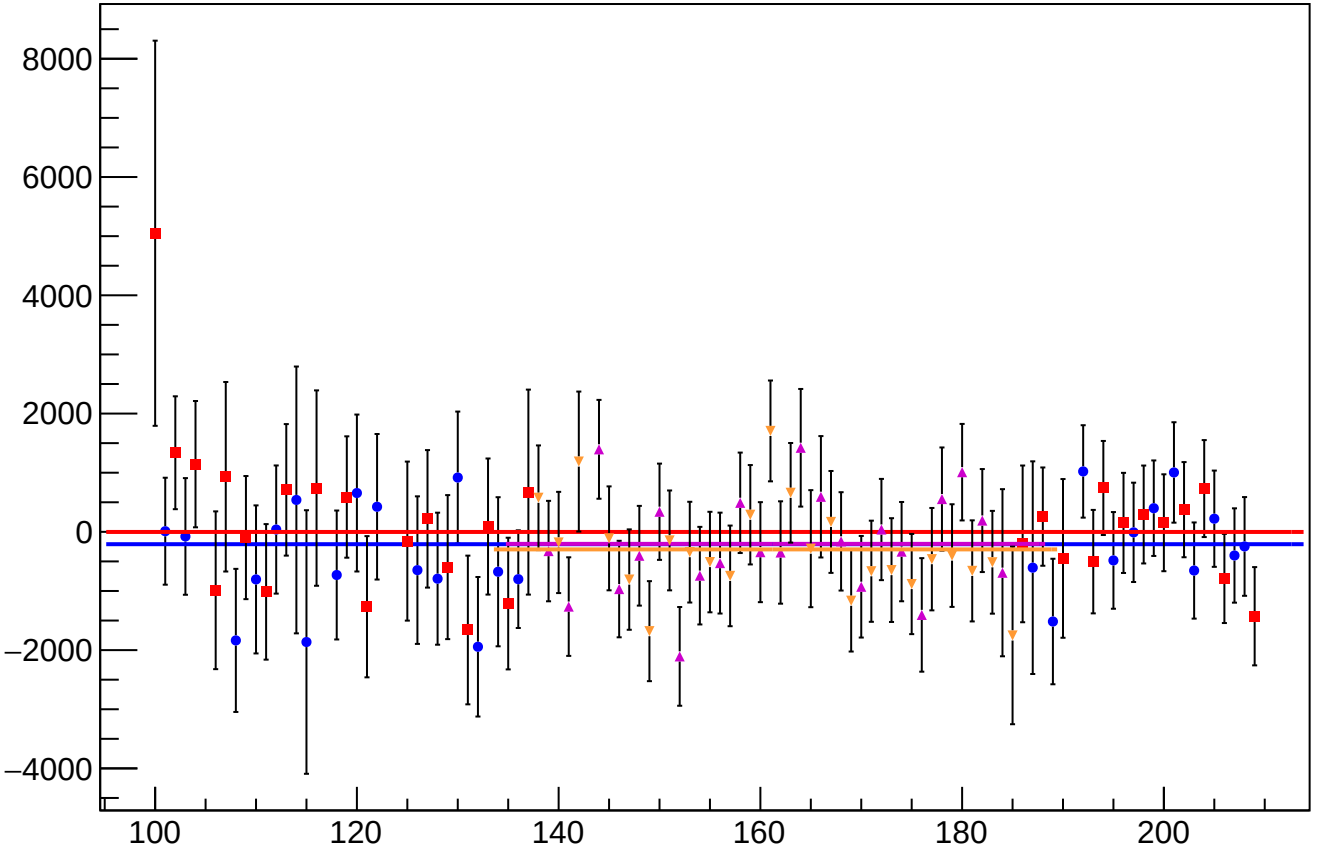
Right: 851.728+/-0.116 χ^2/NDF: 10689239.7/56

In: 571.851+/-0.074 χ^2/NDF:8803169.6/49

Out: 570.631+/-0.074 χ^2/NDF:10287839.1/53

All: 571.234+/-0.052 χ^2/NDF: 19091144.8/10

dit_asym_us_dd_mean vs Slug, Sign Corrected



Right In: -208.833+/-193.706 χ^2/NDF: 15.4/26

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

Right Out: -1.810+/-188.742 χ^2/NDF: 19.3/29

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

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

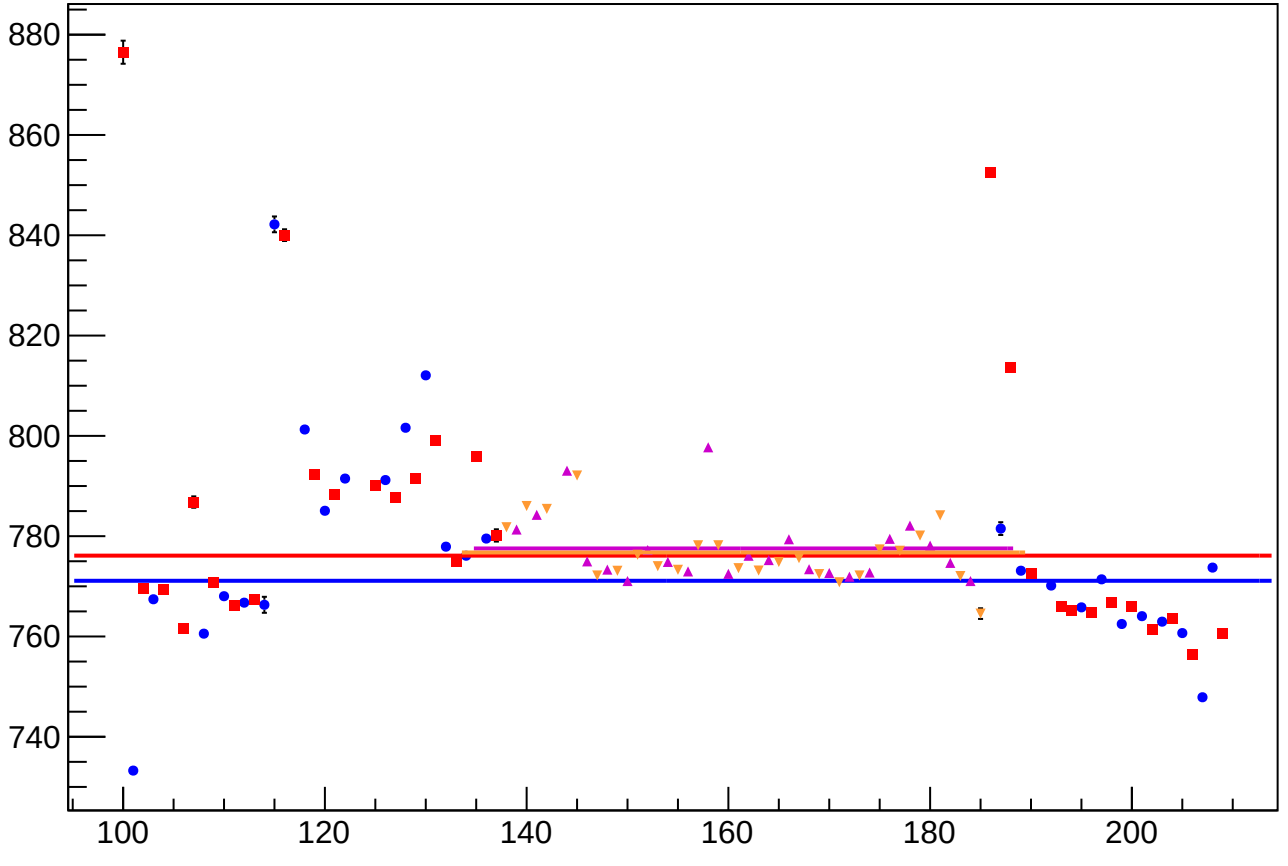
Right: -102.635+/-135.182 χ^2/NDF: 35.3/56

In: -205.908+/-132.463 χ^2/NDF:37.5/49

Out: -156.050+/-130.366 χ^2/NDF:37.3/53

All: -180.581+/-92.915 χ^2/NDF: 74.9/103

dit_asym_us_dd_rms vs Slug, Sign Corrected



Right In: 771.105+/-0.137 χ^2/NDF: 15858.8/26

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

Right Out: 776.121+/-0.133 χ^2/NDF: 23985.6/29

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

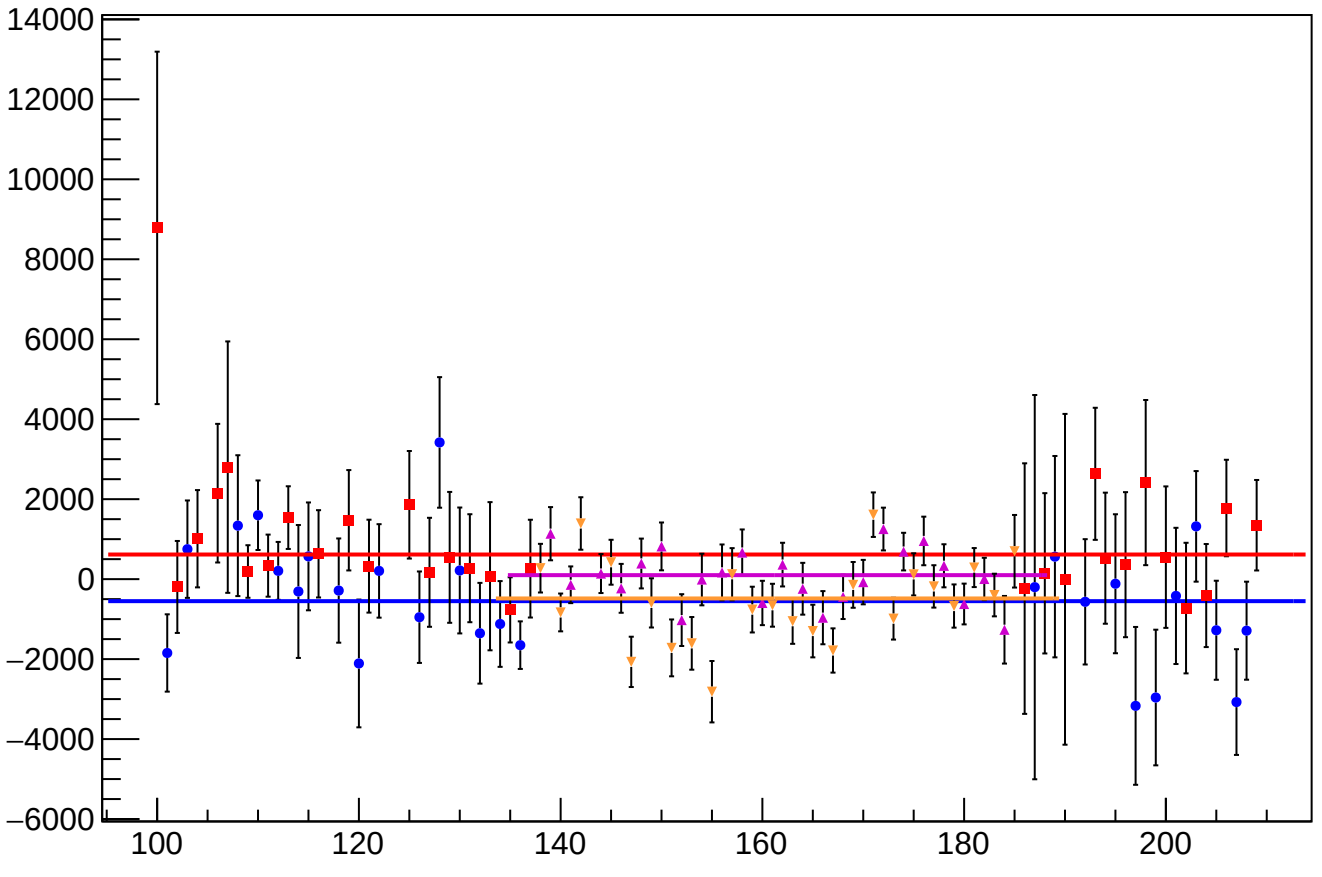
Left: 777.147+/-0.090 χ^2/NDF: 4596.6/46

Right: 773.678+/-0.096 χ^2/NDF: 40532.3/56

In: 774.536+/-0.094 χ^2/NDF:19788.2/49

Out: 776.450+/-0.092 χ^2/NDF:25823.6/53

All: 775.508+/-0.066 χ^2/NDF: 45824.0/103



Right In: -550.334+/-235.129 χ^2/NDF: 34.0/26

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

Right Out: 616.014+/-231.489 χ^2/NDF: 16.9/29

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

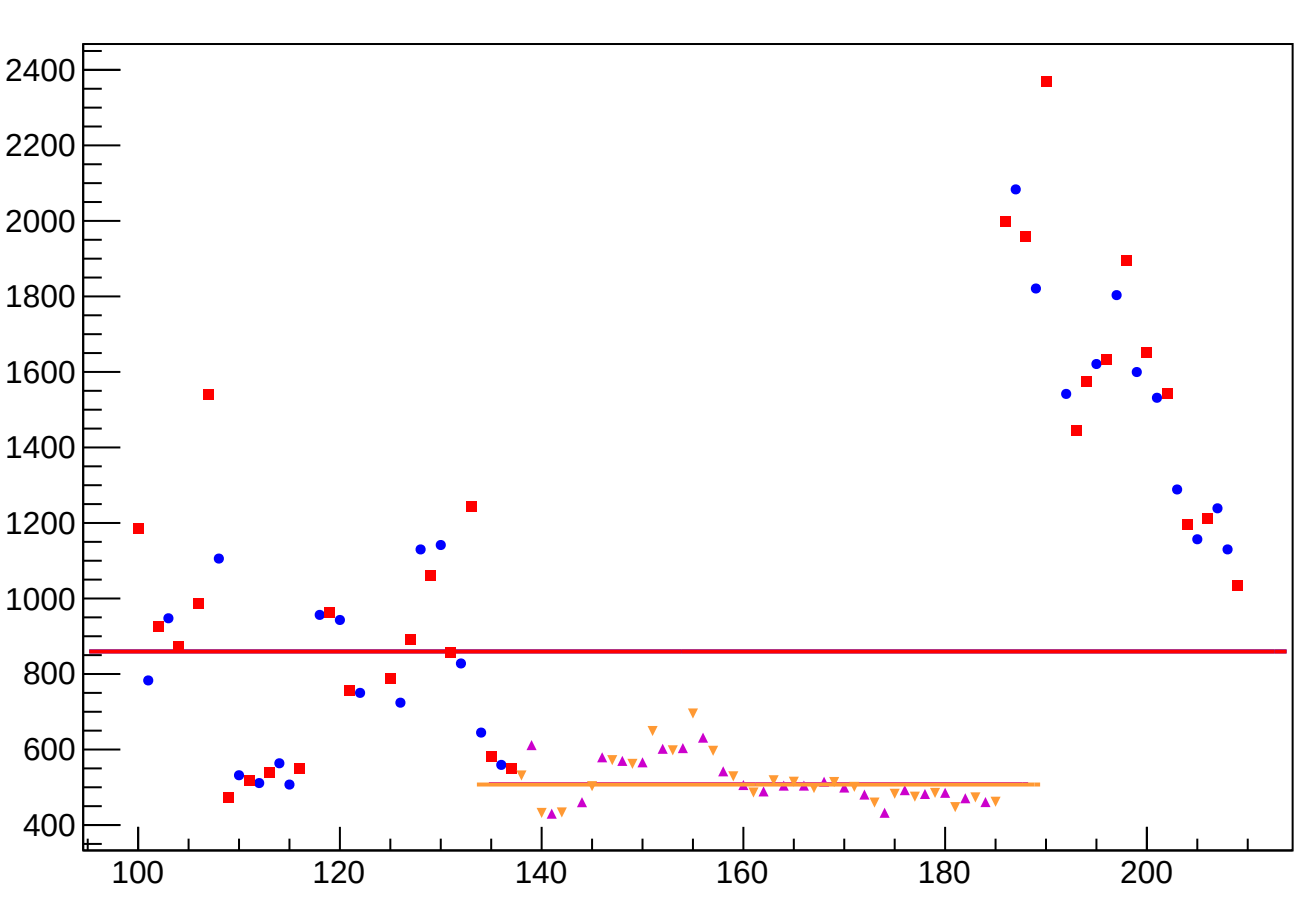
Left: -193.580+/-84.314 χ^2/NDF: 104.5/46

Right: 41.938+/-164.959 χ^2/NDF: 63.4/56

In: -33.824+/-106.656 χ^2/NDF:67.5/49

Out: -253.783+/-105.698 χ^2/NDF:99.9/53

All: -144.796+/-75.076 χ^2/NDF: 169.5/103



Right In: 859.862+/-0.166 χ^2/NDF: 4684466.7/26

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

Right Out: 859.582+/-0.164 χ^2/NDF: 5947678.3/29

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

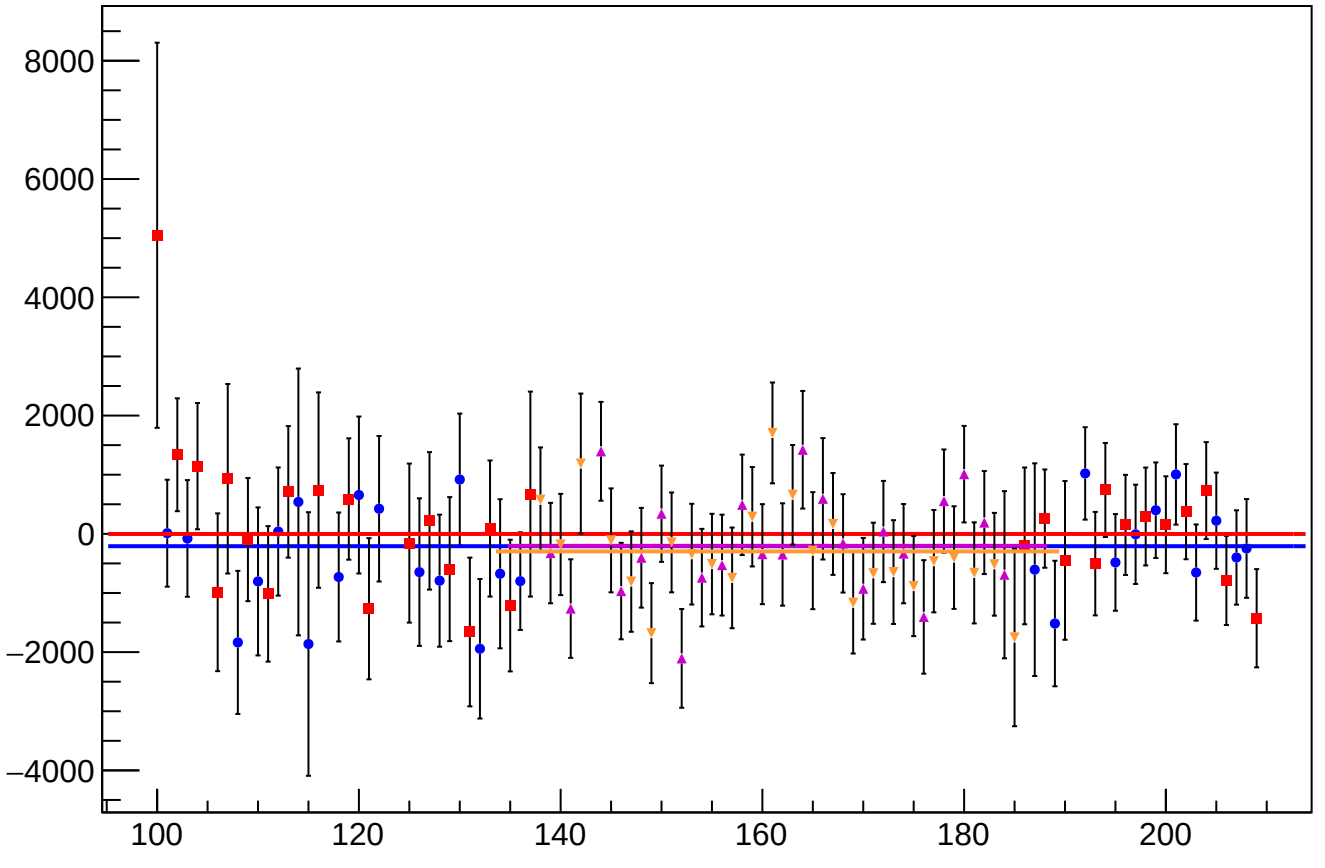
Left: 507.974+/-0.060 χ^2/NDF: 906551.9/46

Right: 859.720+/-0.117 χ^2/NDF: 10632146.4/56

In: 580.906+/-0.075 χ^2/NDF:8661275.0/49

Out: 580.760+/-0.075 χ^2/NDF:10087410.3/53

All: 580.832+/-0.053 χ^2/NDF: 18748687.2/10



Right In: -208.833+/-193.706 χ^2/NDF: 15.4/26

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

Right Out: -1.810+/-188.742 χ^2/NDF: 19.3/29

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

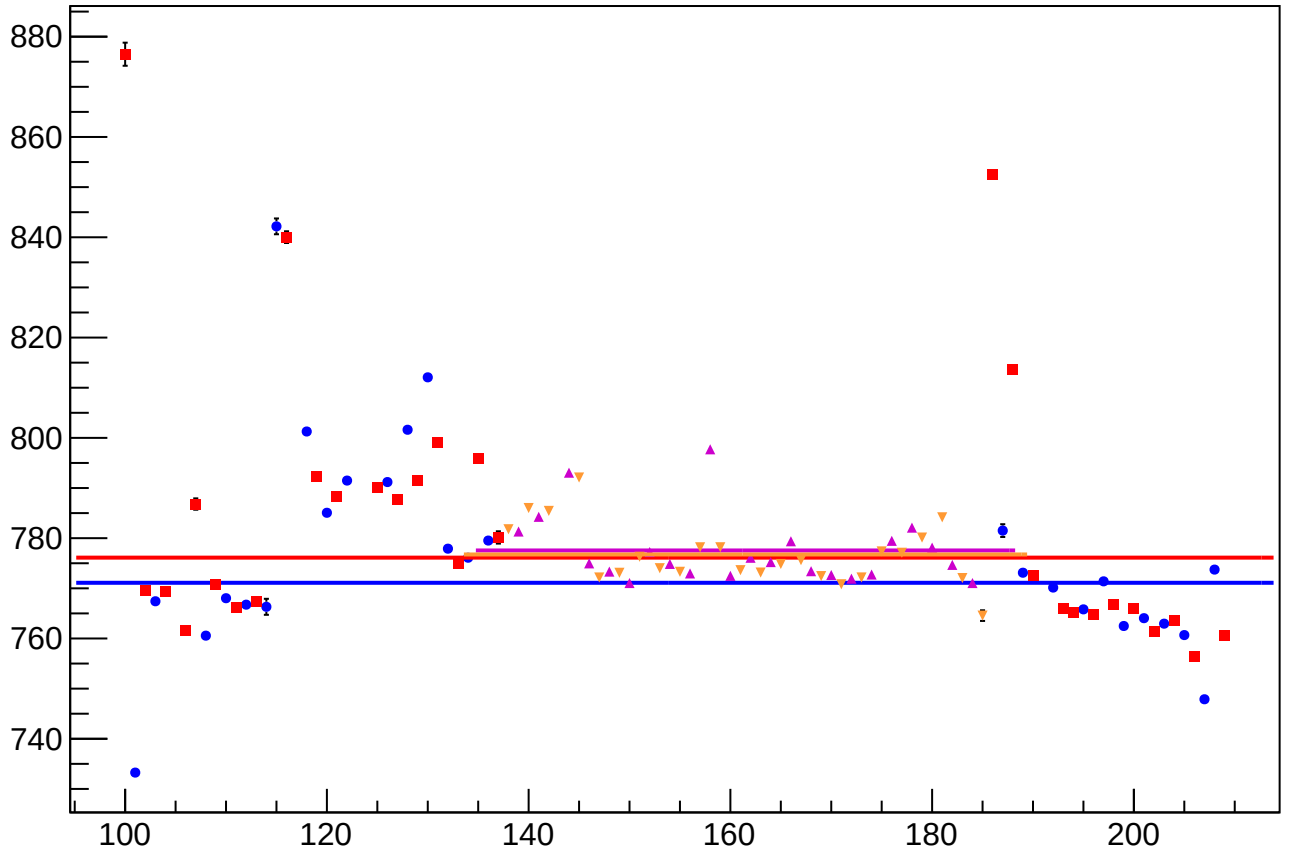
Left: -250.382+/-127.923 χ^2/NDF: 38.9/46

Right: -102.635+/-135.182 χ^2/NDF: 35.3/56

In: -205.908+/-132.463 χ^2/NDF:37.5/49

Out: -156.051+/-130.366 χ^2/NDF:37.3/53

All: -180.581+/-92.915 χ^2/NDF: 74.9/103



Right In: 771.105+/-0.137 χ^2/NDF: 15858.7/26

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

Right Out: 776.121+/-0.133 χ^2/NDF: 23985.6/29

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

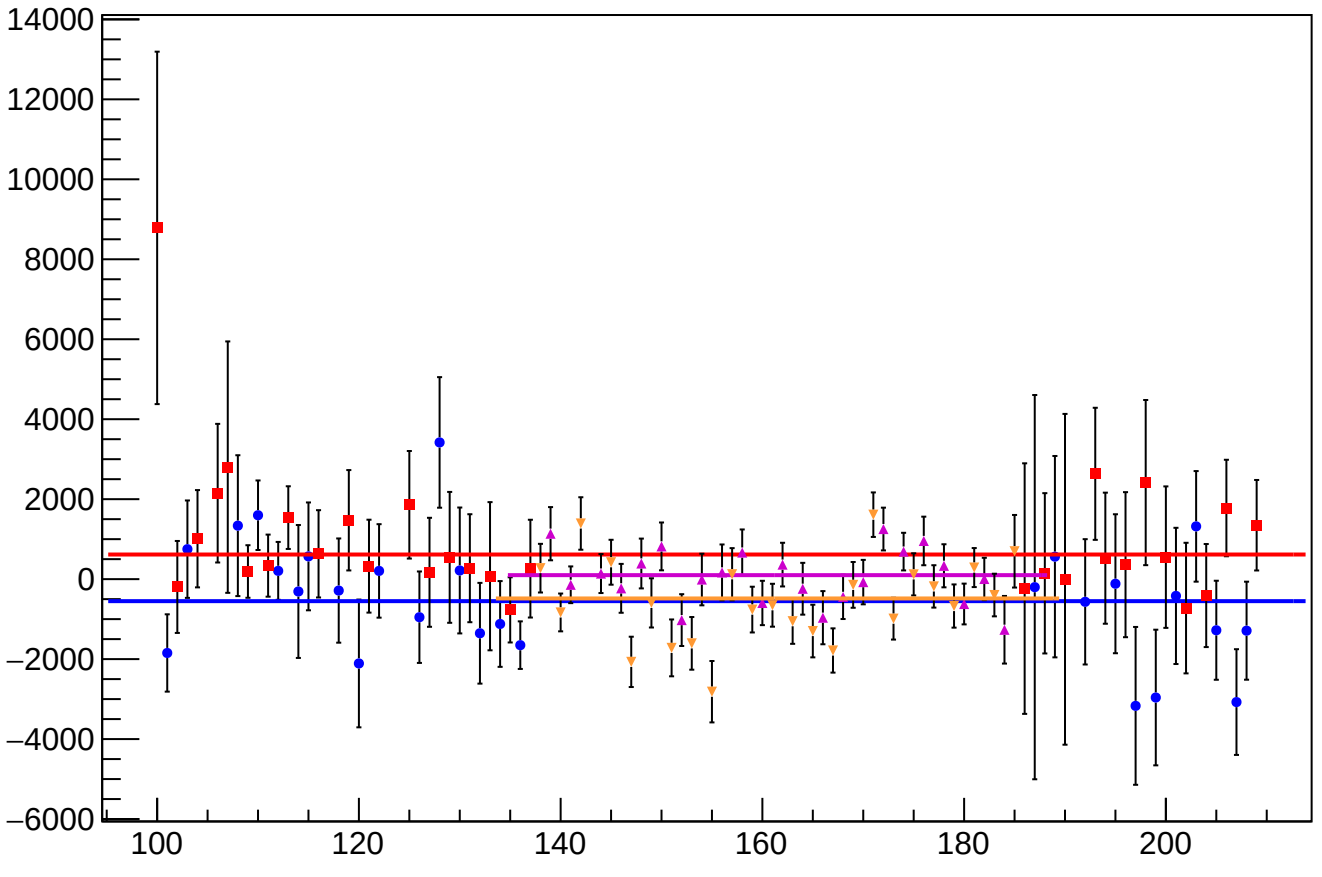
Left: 777.147+/-0.090 χ^2/NDF: 4596.6/46

Right: 773.678+/-0.096 χ^2/NDF: 40532.2/56

In: 774.536+/-0.094 χ^2/NDF:19788.2/49

Out: 776.450+/-0.092 χ^2/NDF:25823.6/53

All: 775.508+/-0.066 χ^2/NDF: 45823.9/103



Right In: -550.328+/-235.128 χ^2/NDF: 34.0/26

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

Right Out: 616.013+/-231.488 χ^2/NDF: 16.9/29

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

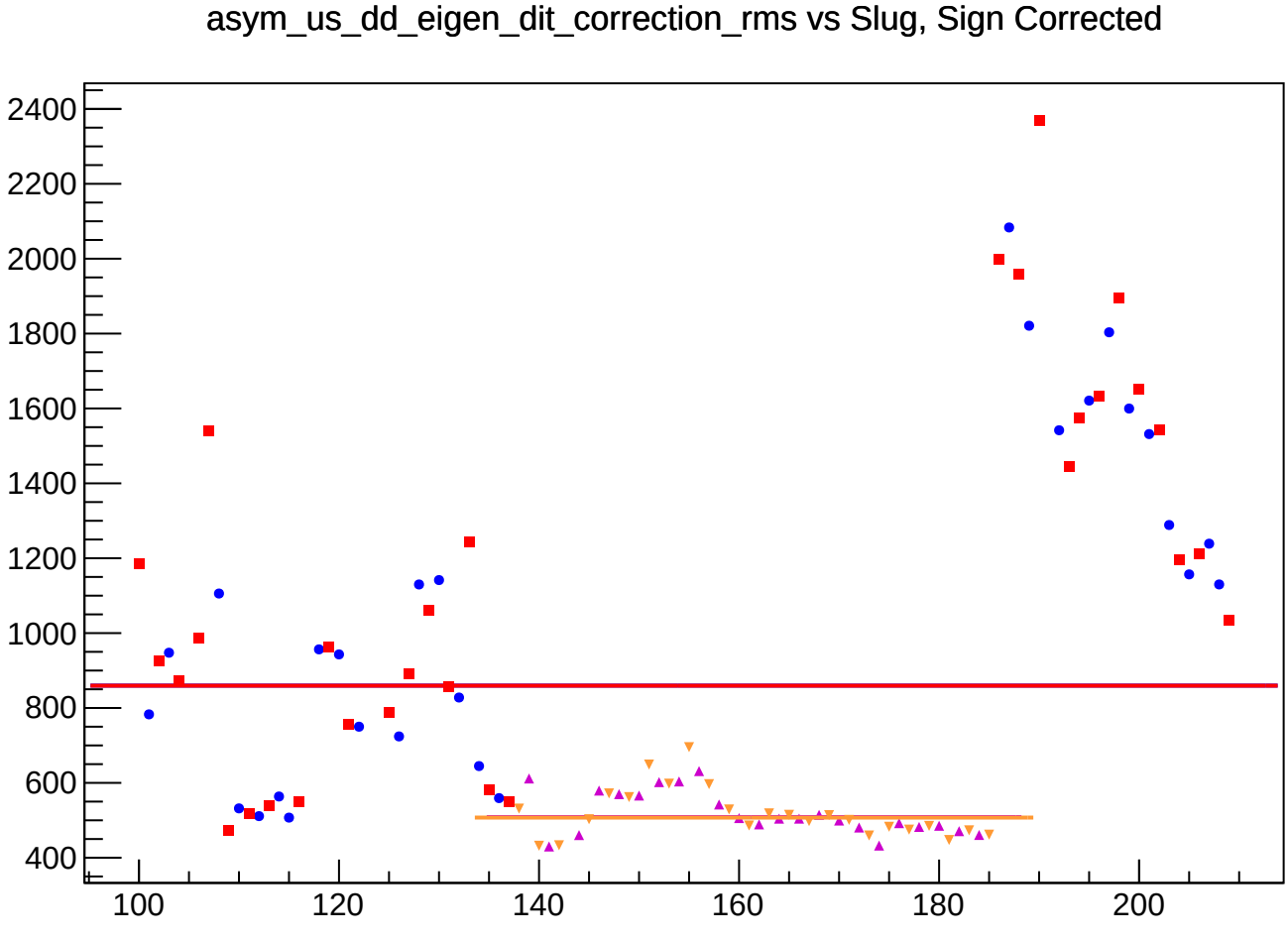
Left: -193.580+/-84.314 χ^2/NDF: 104.5/46

Right: 41.939+/-164.959 χ^2/NDF: 63.4/56

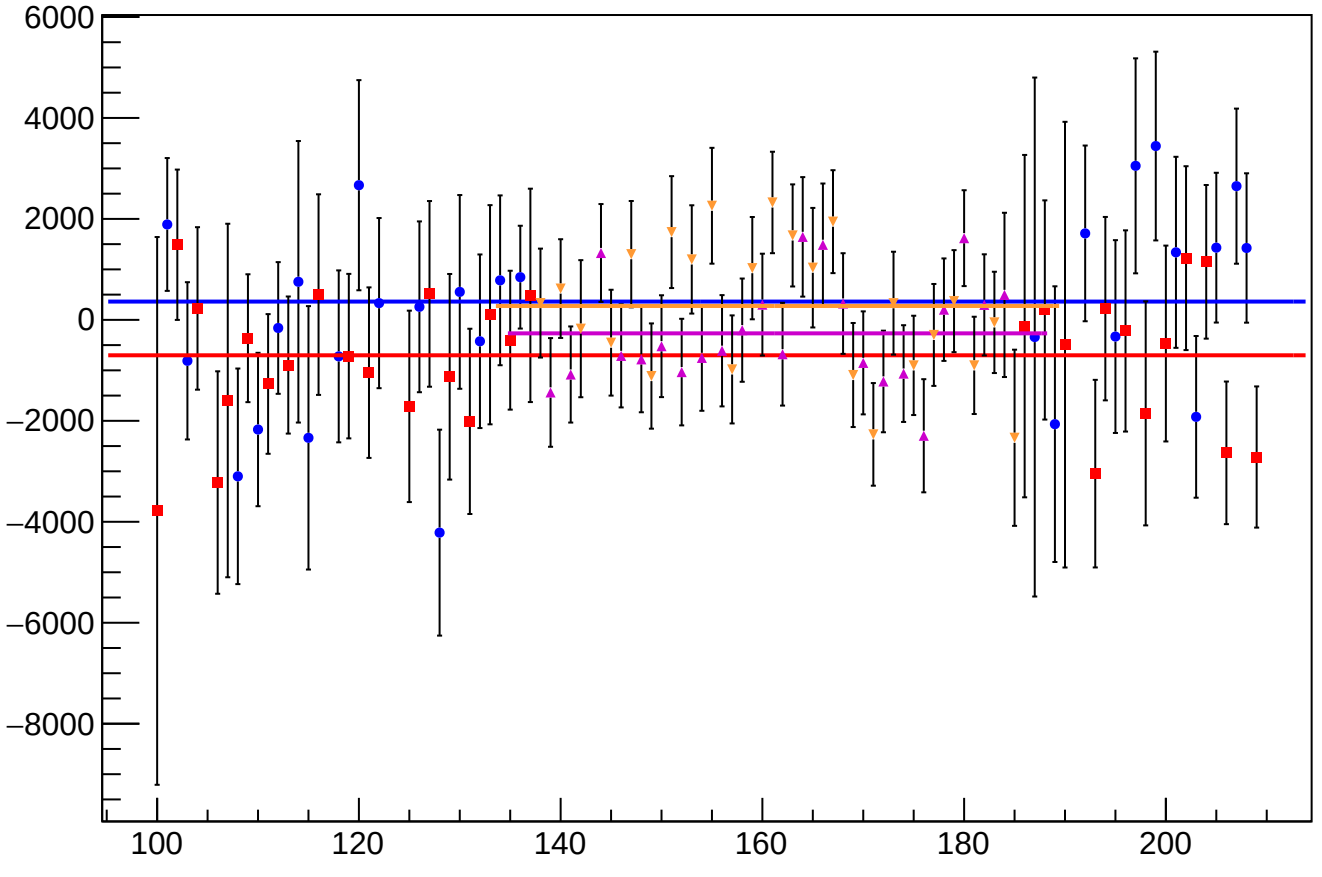
In: -33.824+/-106.656 χ^2/NDF:67.5/49

Out: -253.782+/-105.698 χ^2/NDF:99.9/53

All: -144.795+/-75.076 χ^2/NDF: 169.5/103


asym_us_dd_eigen_dit_correction_rms vs Slug, Sign Corrected
2400
2200
2000
1800
1600
1400
1200
1000
800
600
400
100
120
140
160
180
200
Right In: 859.858+/-0.166 χ²/NDF: 4684525.7/26
Left Out: 507.319+/-0.084 χ²/NDF:473992.3/23
Right Out: 859.578+/-0.164 χ²/NDF: 5947740.8/29
Left In: 508.638+/-0.085 χ²/NDF:432461.7/22
Left: 507.974+/-0.060 χ²/NDF: 906576.5/46
Right: 859.716+/-0.117 χ²/NDF: 10632268.0/56
In: 580.905+/-0.075 χ²/NDF:8661293.3/49
Out: 580.760+/-0.075 χ²/NDF:10087422.2/53
All: 580.832+/-0.053 χ²/NDF: 18748717.4/10

asym_us_dd_mean vs Slug, Sign Corrected



Right In: 362.347+/-329.029 χ^2/NDF: 27.2/26

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

Right Out: -701.719+/-327.684 χ^2/NDF: 15.6/29

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

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

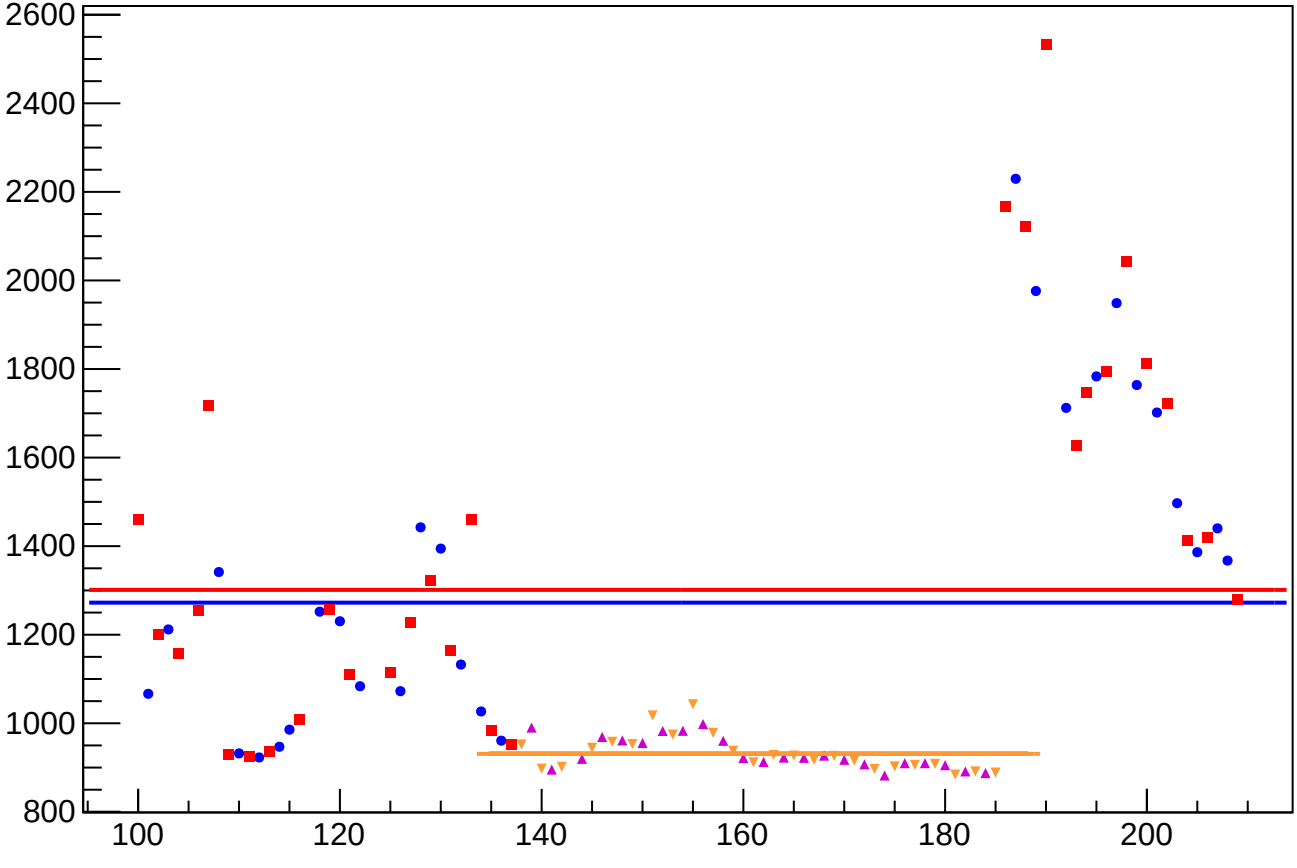
Right: -171.865+/-232.182 χ^2/NDF: 48.0/56

In: -75.436+/-181.548 χ^2/NDF:51.1/49

Out: -21.272+/-180.513 χ^2/NDF:55.4/53

All: -48.199+/-128.006 χ^2/NDF: 106.5/103

asym_us_dd_rms vs Slug, Sign Corrected



Right In: 1272.432+/-0.233 χ^2/NDF: 1667983.4/26

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

Right Out: 1301.253+/-0.232 χ^2/NDF: 2168461.1/29

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

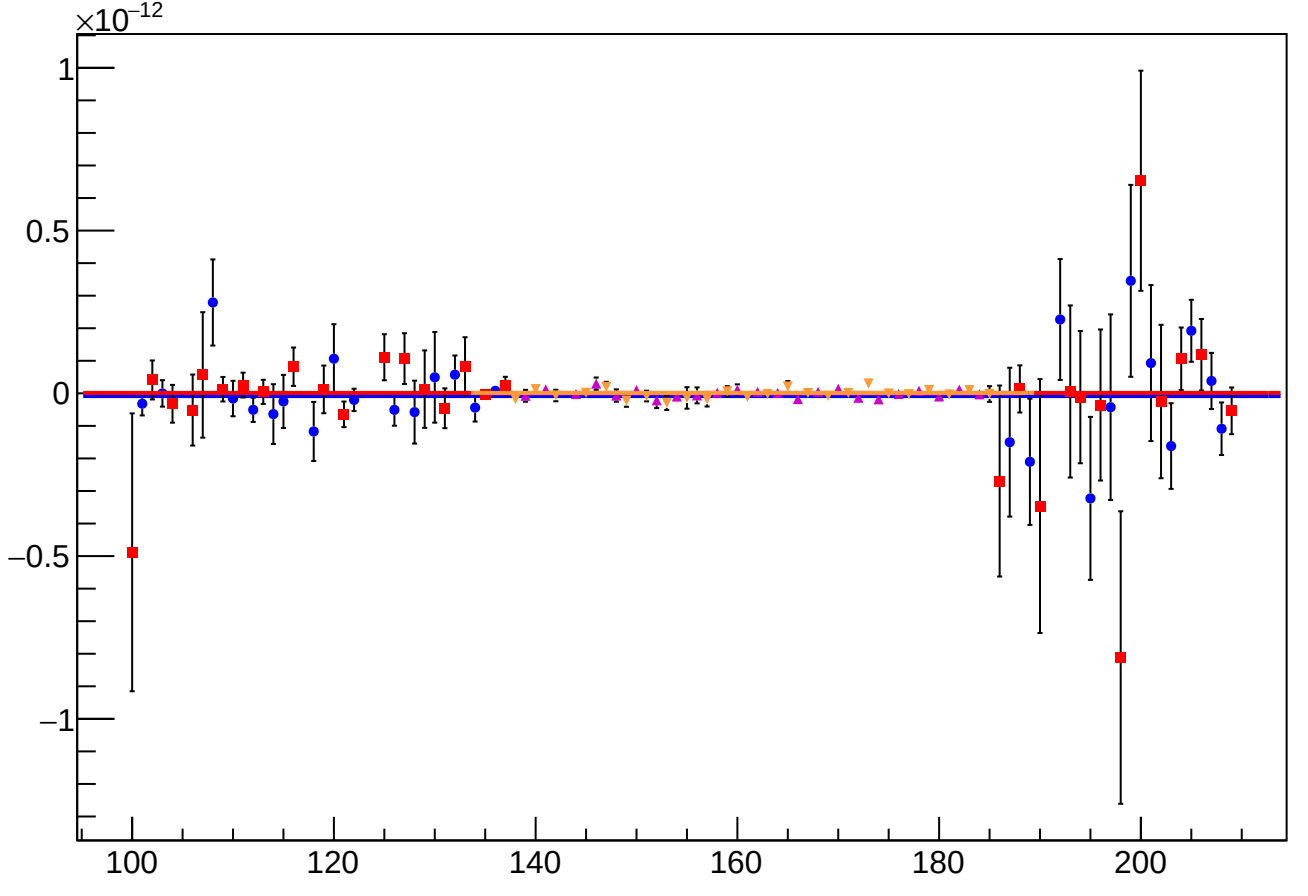
Left: 931.240+/-0.108 χ^2/NDF: 110877.8/46

Right: 1286.901+/-0.164 χ^2/NDF: 3844148.4/56

In: 1035.340+/-0.128 χ^2/NDF:3209924.4/49

Out: 1043.304+/-0.128 χ^2/NDF:4009690.2/53

All: 1039.345+/-0.091 χ^2/NDF: 7221549.7/10



Right In: -0.000+/-0.000 χ^2/NDF: 27.8/26

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

Right Out: 0.000+/-0.000 χ^2/NDF: 25.9/29

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

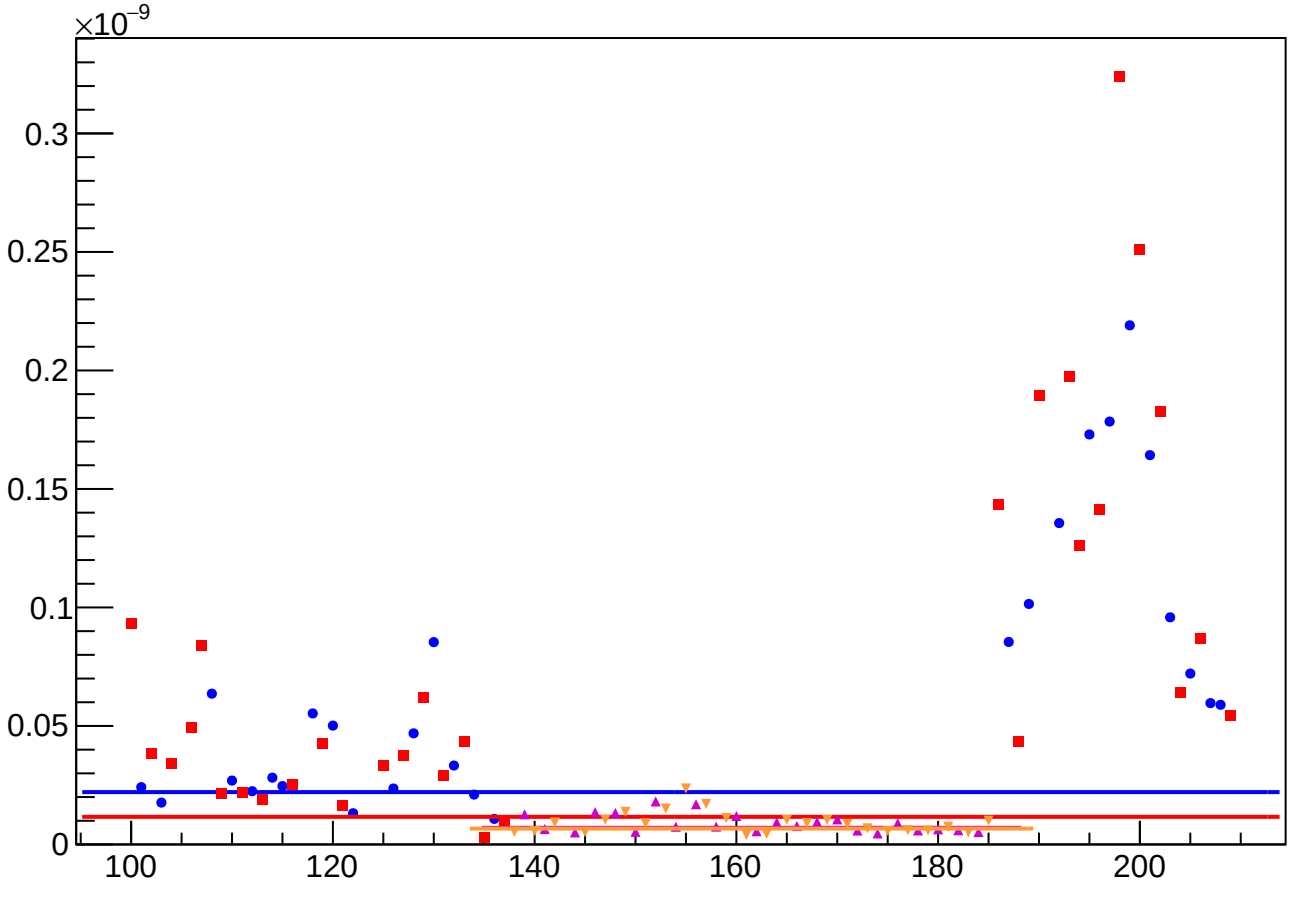
Left: 0.000+/-0.000 χ^2/NDF: 48.0/46

Right: -0.000+/-0.000 χ^2/NDF: 54.3/56

In: -0.000+/-0.000 χ^2/NDF:50.5/49

Out: 0.000+/-0.000 χ^2/NDF:51.6/53

All: 0.000+/-0.000 χ^2/NDF: 102.5/103



Right In: 0.000+/-0.000 χ^2/NDF: 8653105.8/26

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

Right Out: 0.000+/-0.000 χ^2/NDF: 14066015.4/29

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

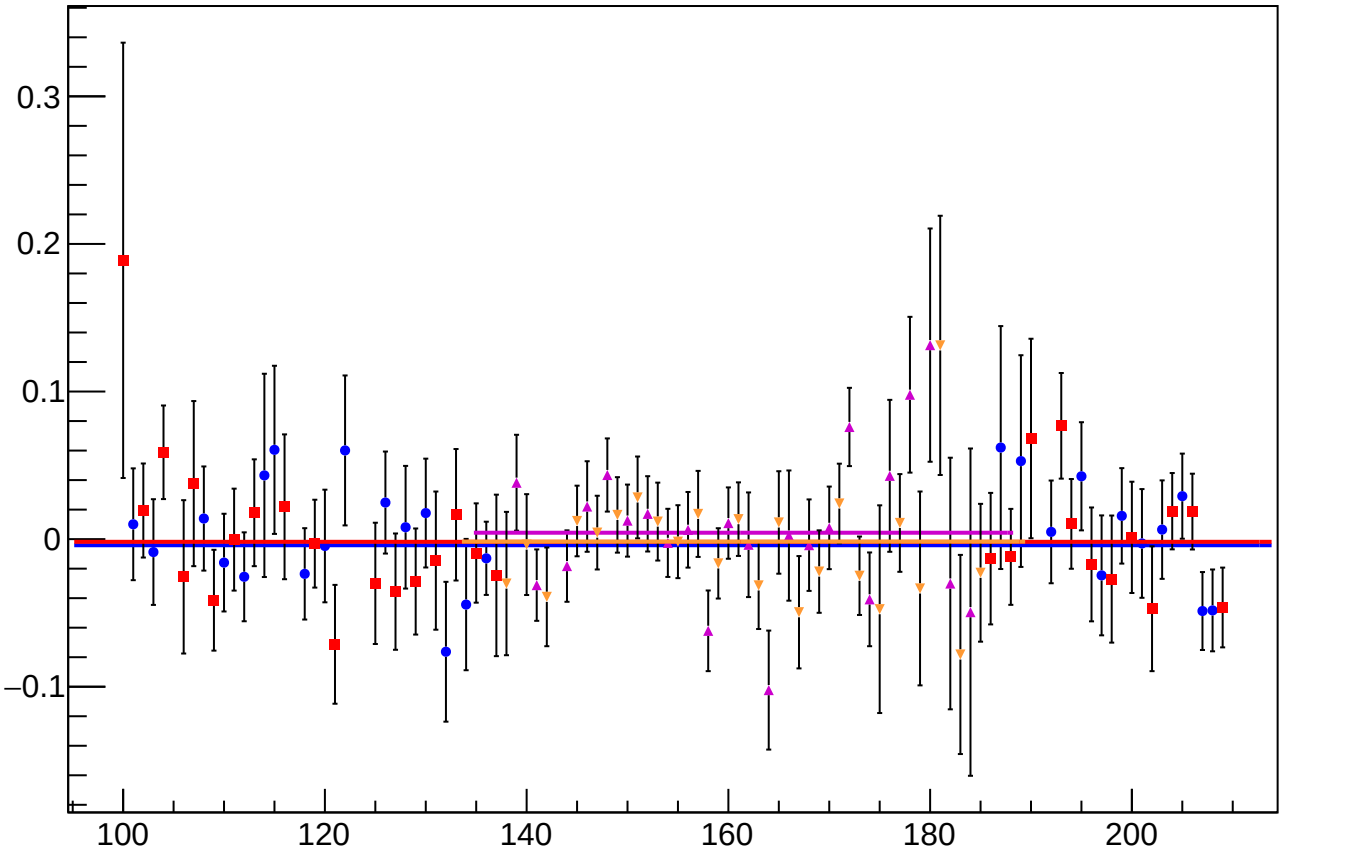
Left: 0.000+/-0.000 χ^2/NDF: 5389849.5/46

Right: 0.000+/-0.000 χ^2/NDF: 24171884.5/56

In: 0.000+/-0.000 χ^2/NDF:15449023.6/49

Out: 0.000+/-0.000 χ^2/NDF:17862644.7/53

All: 0.000+/-0.000 χ^2/NDF: 33403017.6/103



Right In: -0.004+/-0.007 χ^2/NDF: 19.6/26

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

Right Out: -0.002+/-0.007 χ^2/NDF: 25.4/29

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

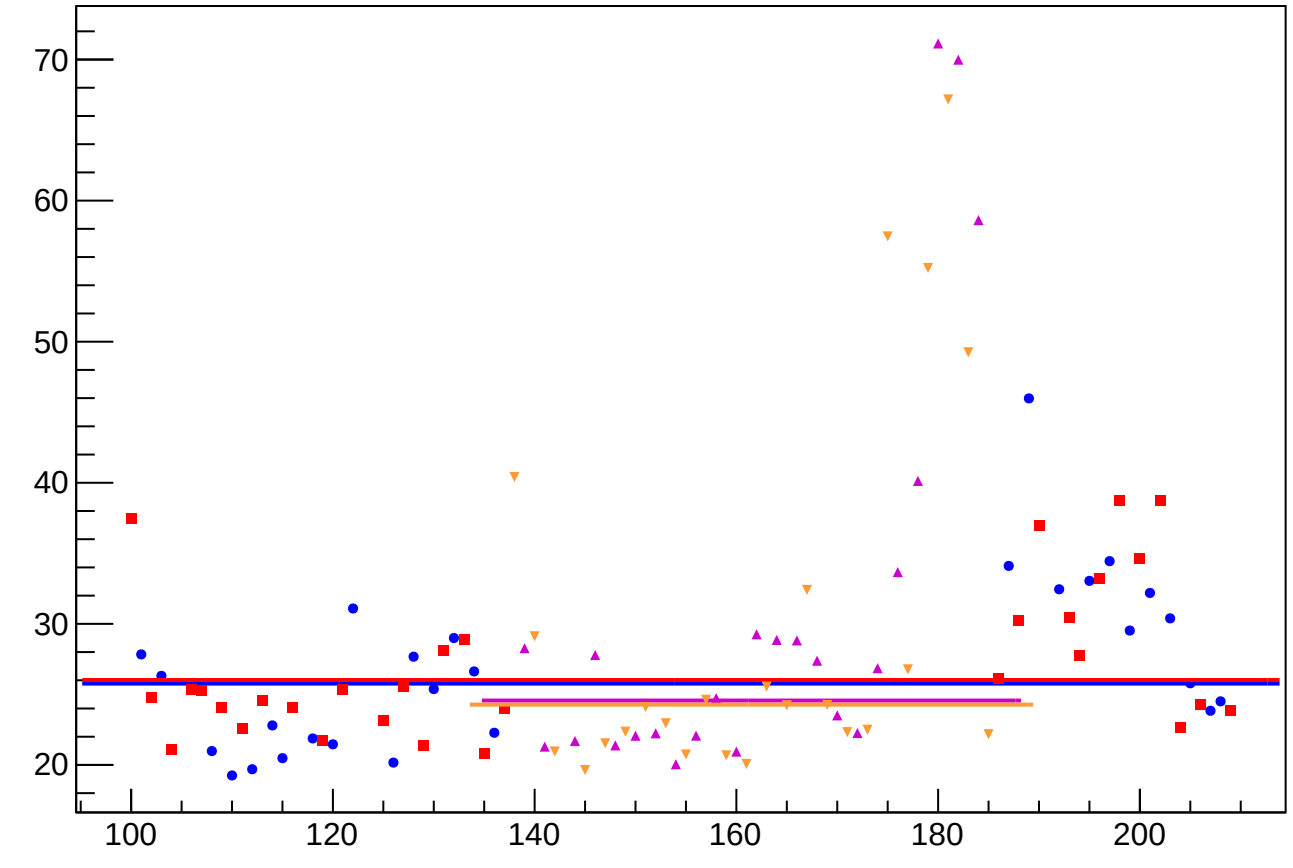
Left: 0.001+/-0.005 χ^2/NDF: 51.6/46

Right: -0.003+/-0.005 χ^2/NDF: 45.1/56

In: 0.000+/-0.005 χ^2/NDF:57.0/49

Out: -0.002+/-0.005 χ^2/NDF:40.0/53

All: -0.001+/-0.003 χ^2/NDF: 97.1/103



Right In: 25.766+/-0.005 χ^2/NDF: 972936.0/26

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

Right Out: 26.018+/-0.005 χ^2/NDF: 955157.9/29

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

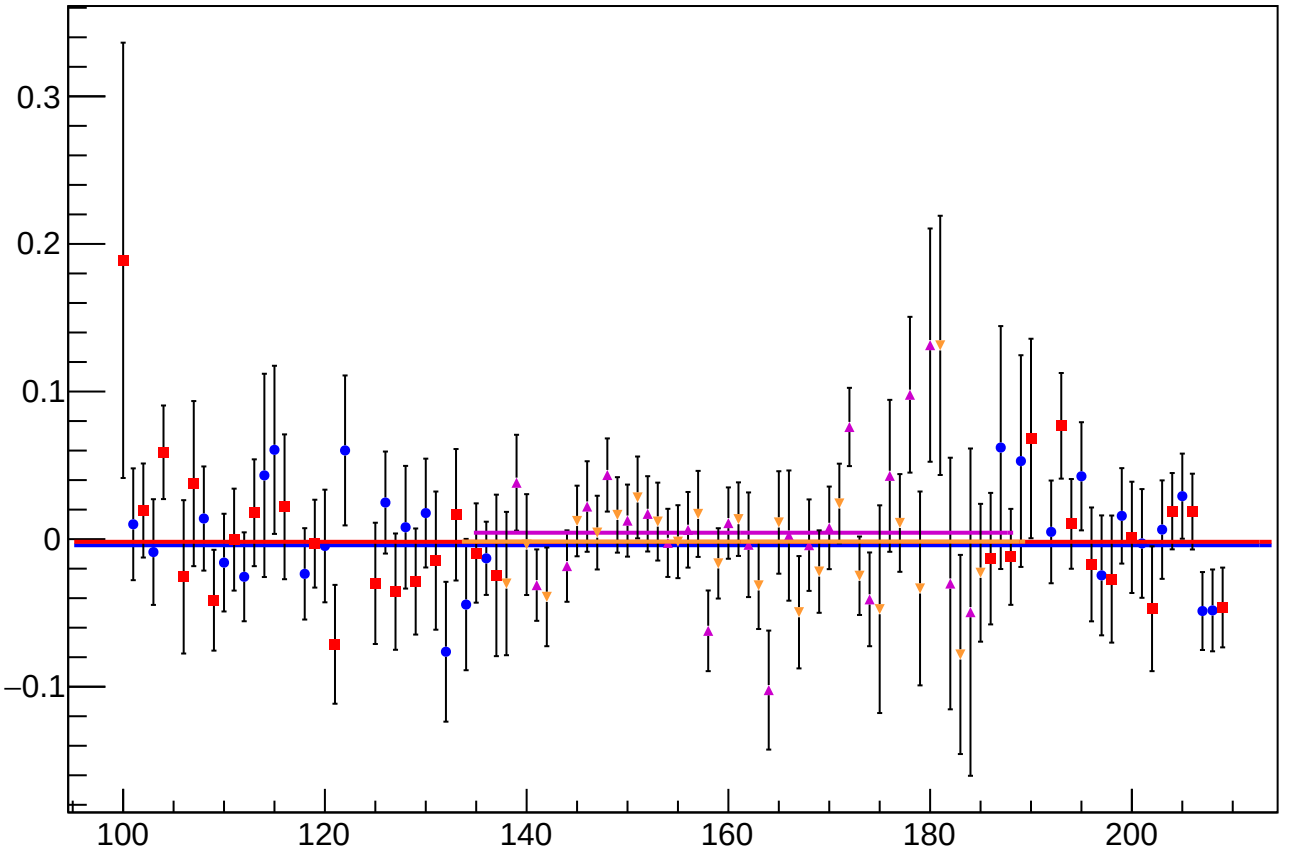
Left: 24.418+/-0.003 χ^2/NDF: 4445671.0/46

Right: 25.896+/-0.003 χ^2/NDF: 1929449.9/56

In: 25.115+/-0.003 χ^2/NDF:3138233.2/49

Out: 25.091+/-0.003 χ^2/NDF:3336674.3/53

All: 25.103+/-0.002 χ^2/NDF: 6474933.4/103



Right In: -0.004+/-0.007 χ^2/NDF: 19.6/26

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

Right Out: -0.002+/-0.007 χ^2/NDF: 25.4/29

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

Left: 0.001+/-0.005 χ^2/NDF: 51.6/46

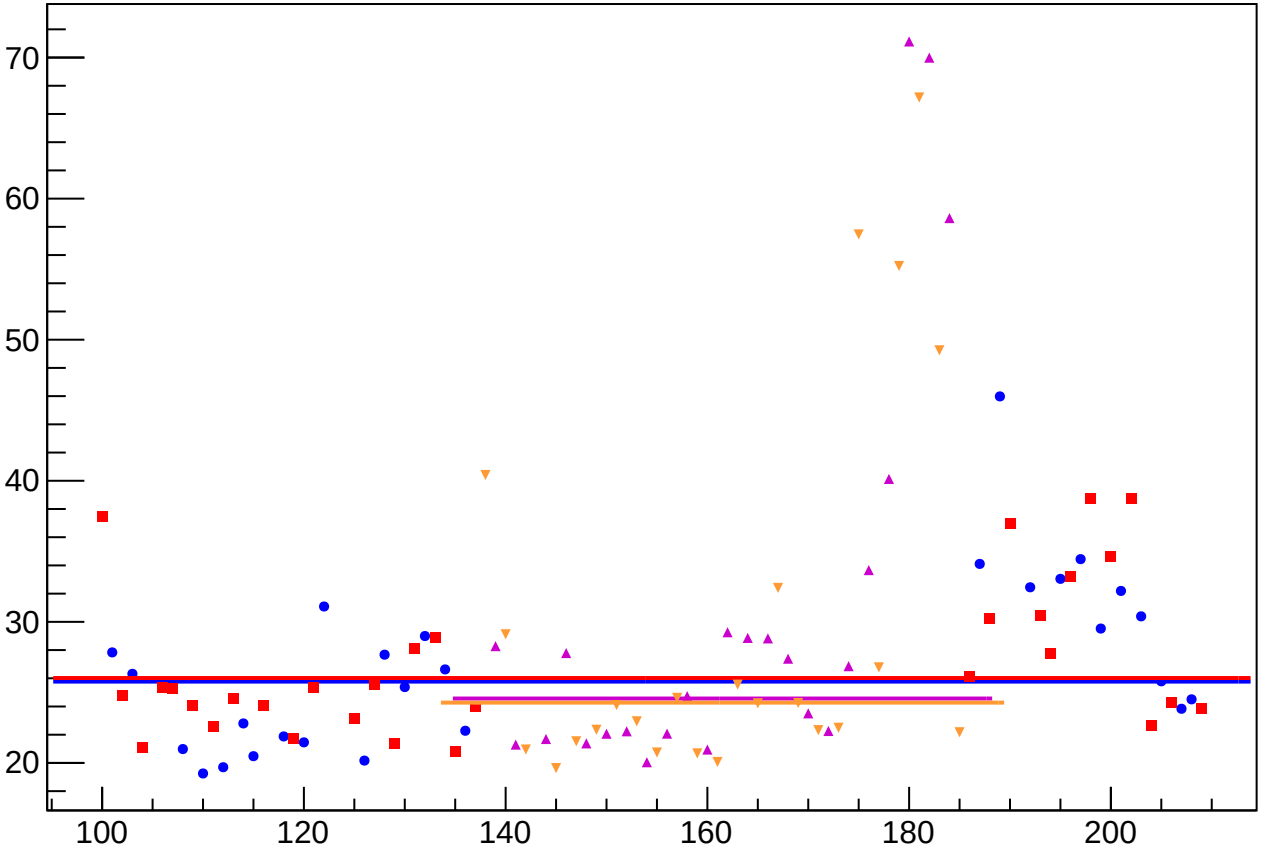
Right: -0.003+/-0.005 χ^2/NDF: 45.1/56

In: 0.000+/-0.005 χ^2/NDF:57.0/49

Out: -0.002+/-0.005 χ^2/NDF:40.0/53

All: -0.001+/-0.003 χ^2/NDF: 97.1/103

asym_us_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 25.766+/-0.005 χ^2/NDF: 972936.0/26

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

Right Out: 26.018+/-0.005 χ^2/NDF: 955157.9/29

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

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

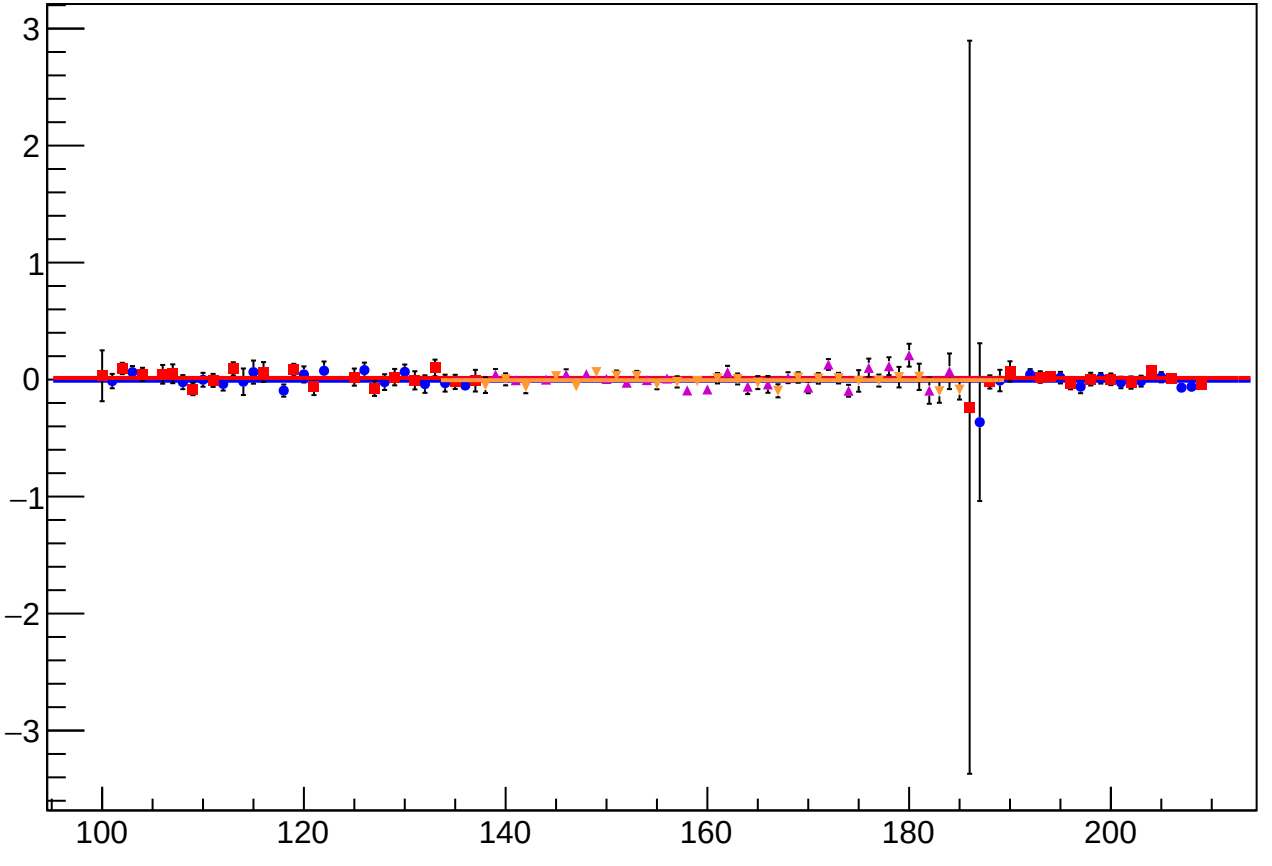
Right: 25.896+/-0.003 χ^2/NDF: 1929449.9/56

In: 25.115+/-0.003 χ^2/NDF:3138233.2/49

Out: 25.091+/-0.003 χ^2/NDF:3336674.3/53

All: 25.103+/-0.002 χ^2/NDF: 6474933.4/103

asym_us_dd_dit_vs_overload_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.010+/-0.011 χ^2/NDF: 18.7/26

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

Right Out: 0.014+/-0.011 χ^2/NDF: 22.3/29

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

Left: -0.002+/-0.007 χ^2/NDF: 51.9/46

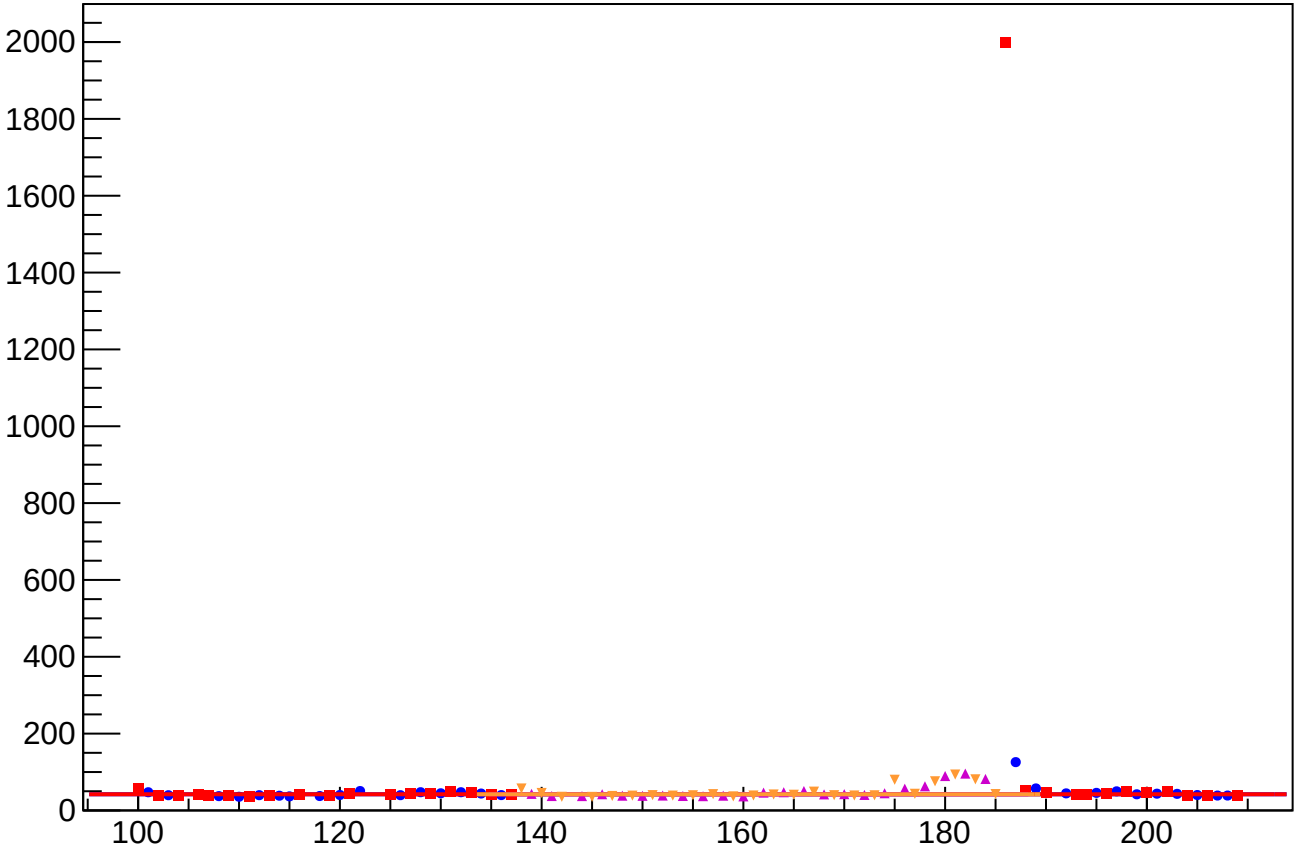
Right: 0.002+/-0.008 χ^2/NDF: 43.4/56

In: -0.005+/-0.008 χ^2/NDF:57.1/49

Out: 0.004+/-0.007 χ^2/NDF:37.8/53

All: -0.000+/-0.005 χ^2/NDF: 95.5/103

asym_us_dd_dit_vs_overload_cor_diff_rms vs Slug, Sign Corrected



Right In: 42.105+/-0.008 χ^2/NDF: 311895.2/26

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

Right Out: 42.158+/-0.008 χ^2/NDF: 1079139.9/29

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

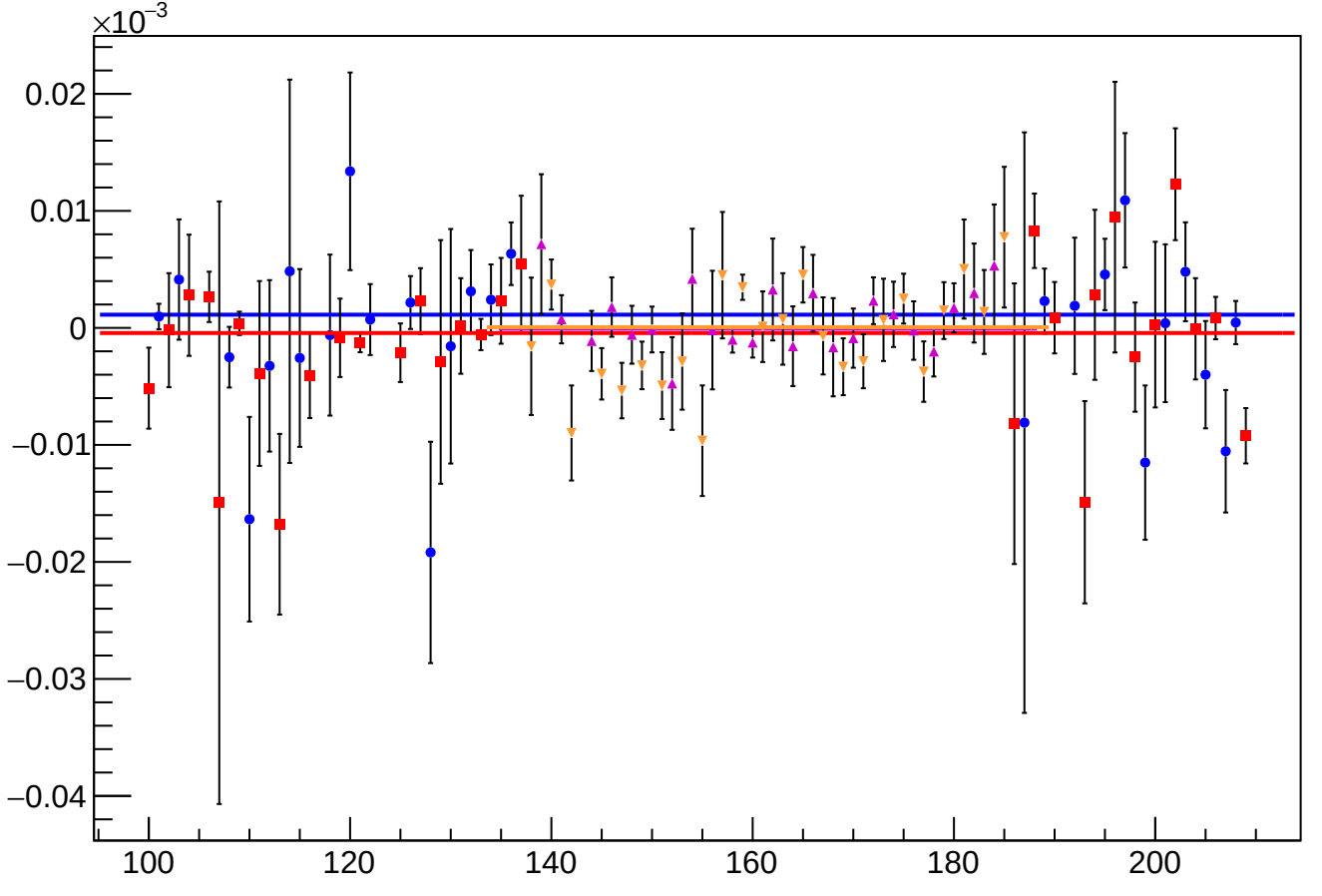
Left: 42.083+/-0.005 χ^2/NDF: 3259553.8/46

Right: 42.132+/-0.005 χ^2/NDF: 1391059.5/56

In: 42.091+/-0.005 χ^2/NDF:1855407.4/49

Out: 42.122+/-0.005 χ^2/NDF:2795231.0/53

All: 42.107+/-0.004 χ^2/NDF: 4650656.4/103



Right In: 0.000+/-0.000 χ^2/NDF: 33.6/26

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

Right Out: -0.000+/-0.000 χ^2/NDF: 48.4/29

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

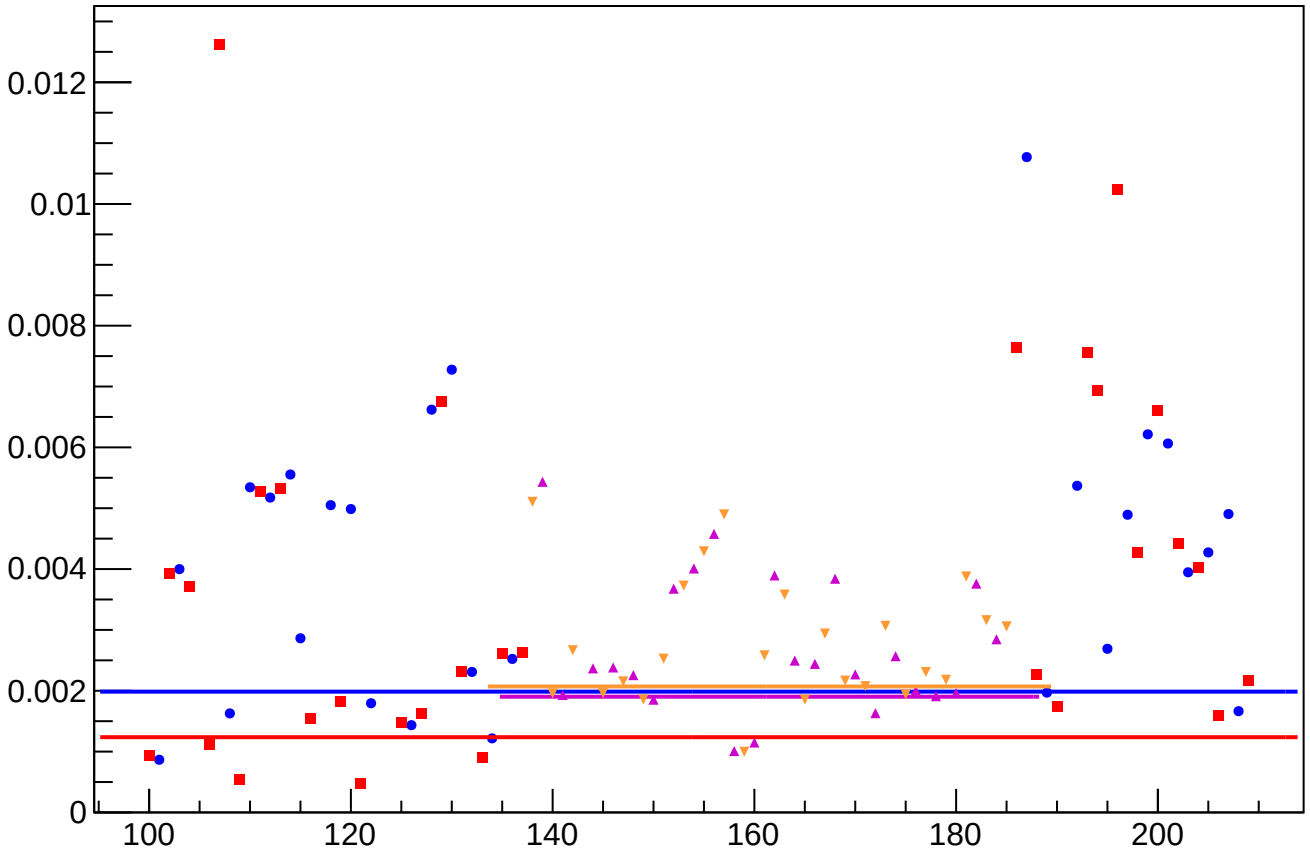
Left: -0.000+/-0.000 χ^2/NDF: 64.7/46

Right: 0.000+/-0.000 χ^2/NDF: 86.2/56

In: 0.000+/-0.000 χ^2/NDF:48.8/49

Out: -0.000+/-0.000 χ^2/NDF:100.6/53

All: 0.000+/-0.000 χ^2/NDF: 150.9/103



Right In: 0.002+/-0.000 χ^2/NDF: 10015703.6/26

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

Right Out: 0.001+/-0.000 χ^2/NDF: 15018853.2/29

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

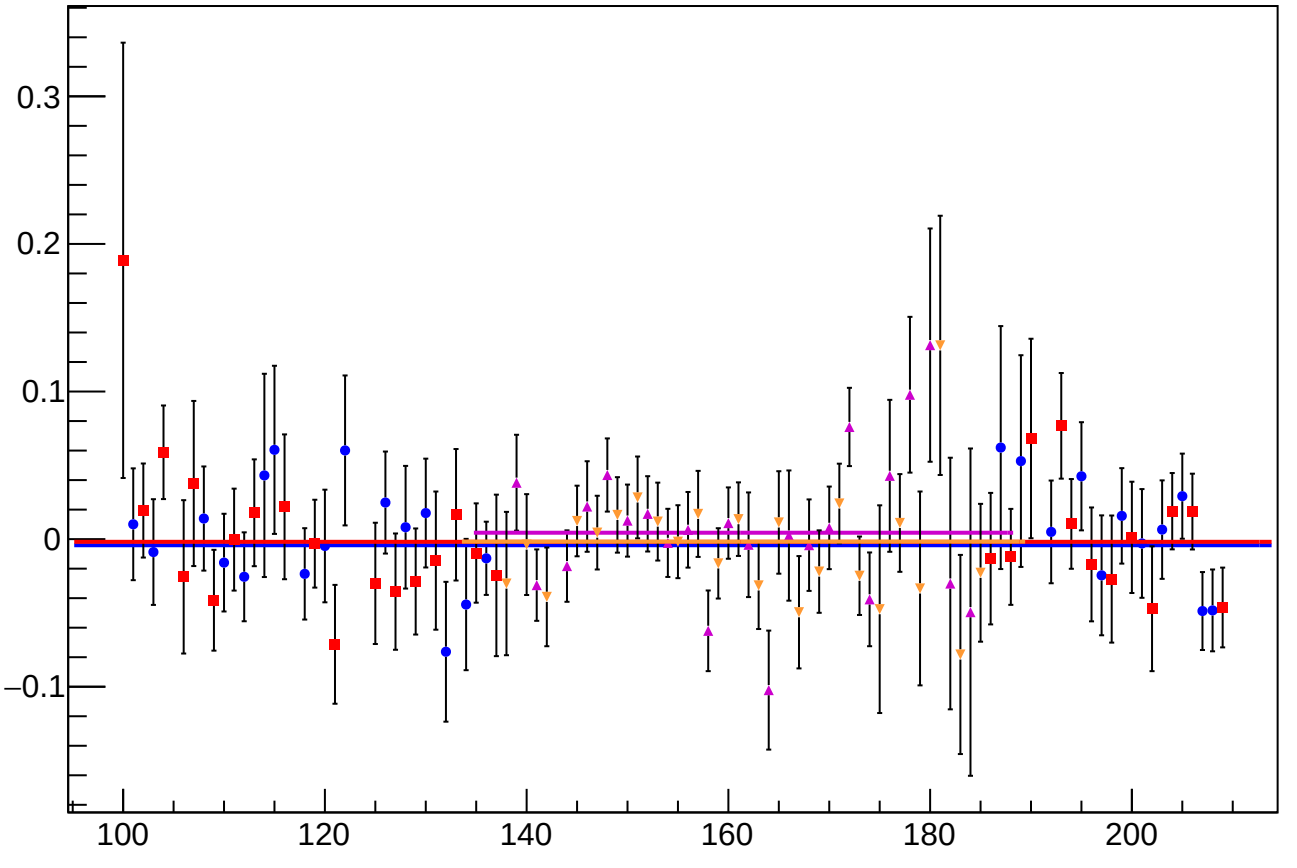
Left: 0.002+/-0.000 χ^2/NDF: 11308615.1/46

Right: 0.001+/-0.000 χ^2/NDF: 26922134.2/56

In: 0.002+/-0.000 χ^2/NDF:15973471.7/49

Out: 0.002+/-0.000 χ^2/NDF:23197349.8/53

All: 0.002+/-0.000 χ^2/NDF: 40057618.1/103



Right In: -0.004+/-0.007 χ^2/NDF: 19.6/26

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

Right Out: -0.002+/-0.007 χ^2/NDF: 25.4/29

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

Left: 0.001+/-0.005 χ^2/NDF: 51.6/46

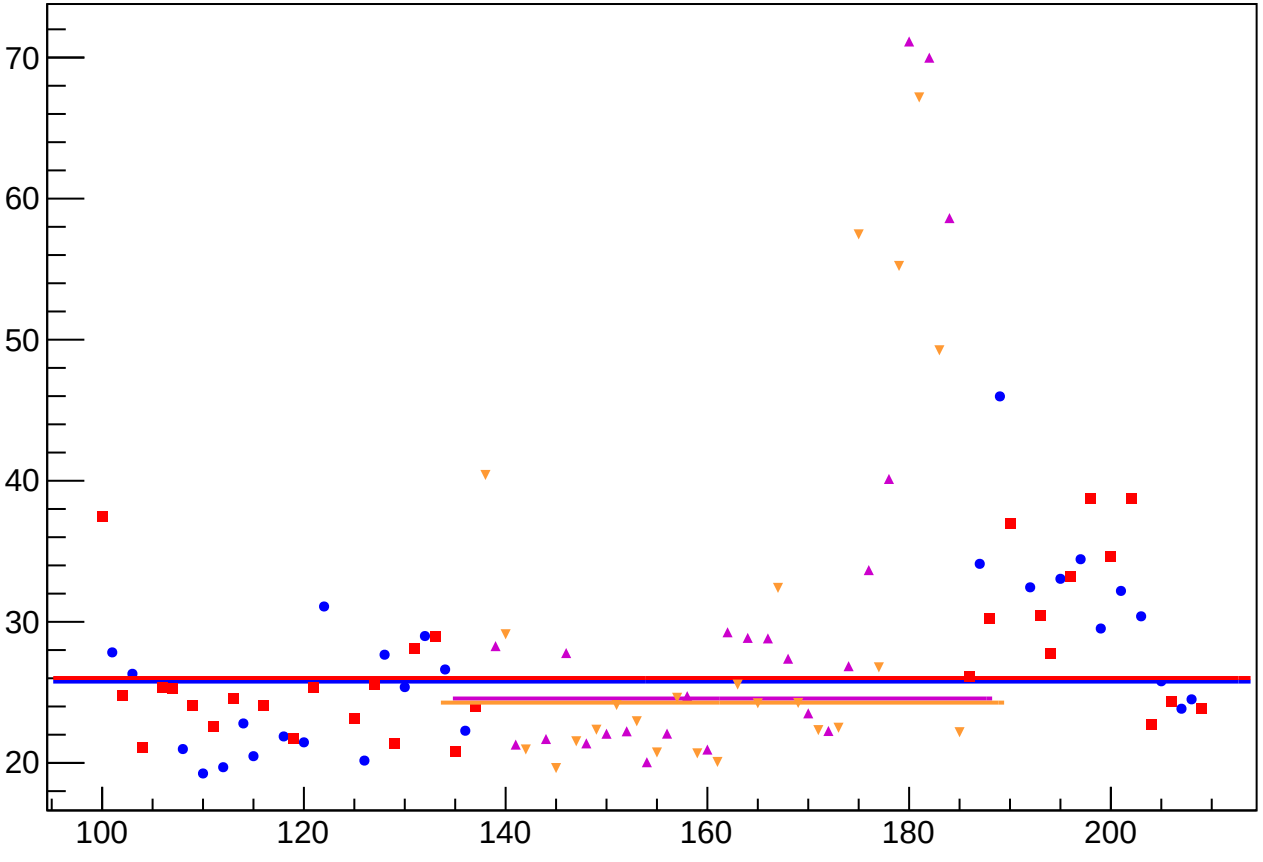
Right: -0.003+/-0.005 χ^2/NDF: 45.1/56

In: 0.000+/-0.005 χ^2/NDF:57.0/49

Out: -0.002+/-0.005 χ^2/NDF:40.0/53

All: -0.001+/-0.003 χ^2/NDF: 97.1/103

asym_us_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 25.766+/-0.005 χ^2/NDF: 972910.6/26

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

Right Out: 26.018+/-0.005 χ^2/NDF: 955070.9/29

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

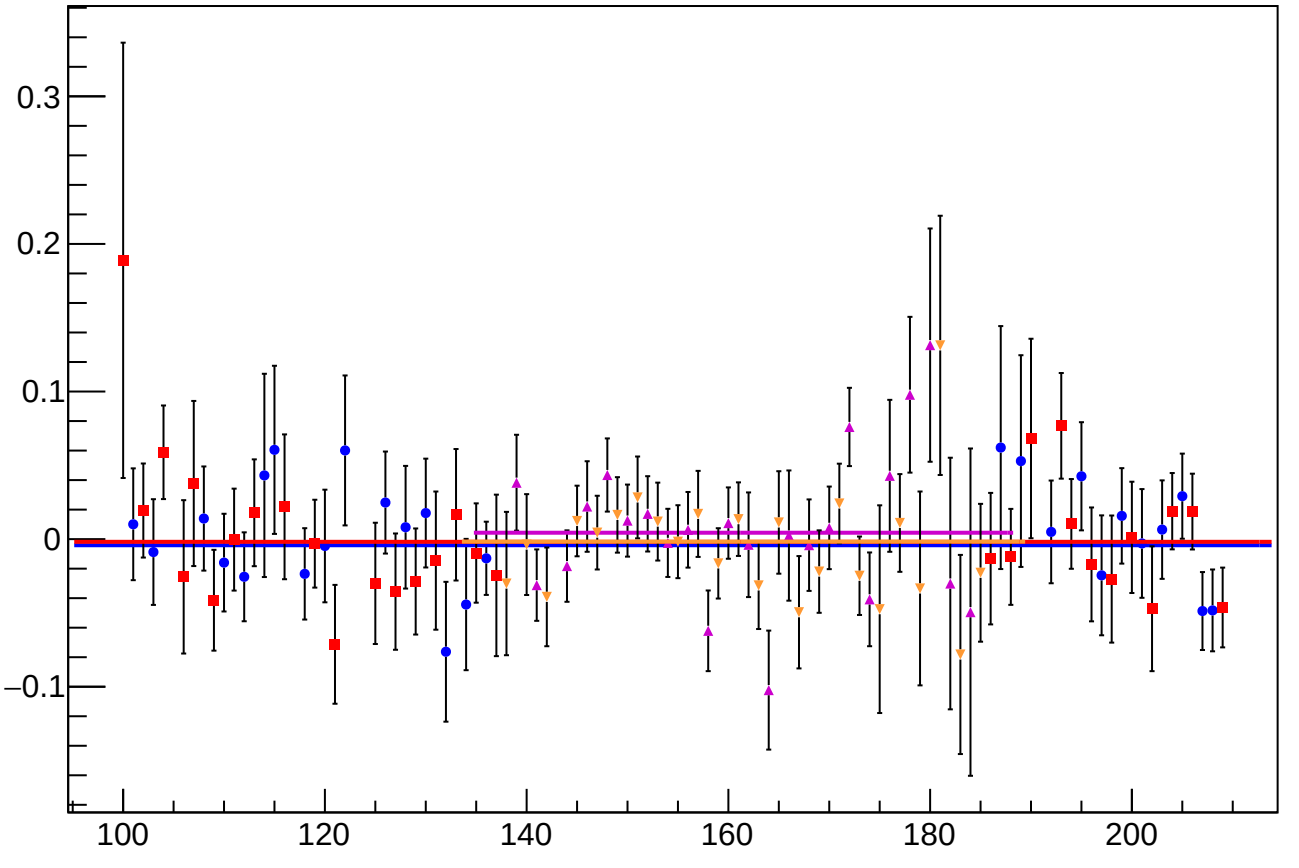
Left: 24.419+/-0.003 χ^2/NDF: 4445544.6/46

Right: 25.896+/-0.003 χ^2/NDF: 1929344.3/56

In: 25.115+/-0.003 χ^2/NDF:3138037.8/49

Out: 25.091+/-0.003 χ^2/NDF:3336611.0/53

All: 25.103+/-0.002 χ^2/NDF: 6474674.5/103



Right In: -0.004+/-0.007 χ^2/NDF: 19.6/26

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

Right Out: -0.002+/-0.007 χ^2/NDF: 25.4/29

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

Left: 0.001+/-0.005 χ^2/NDF: 51.6/46

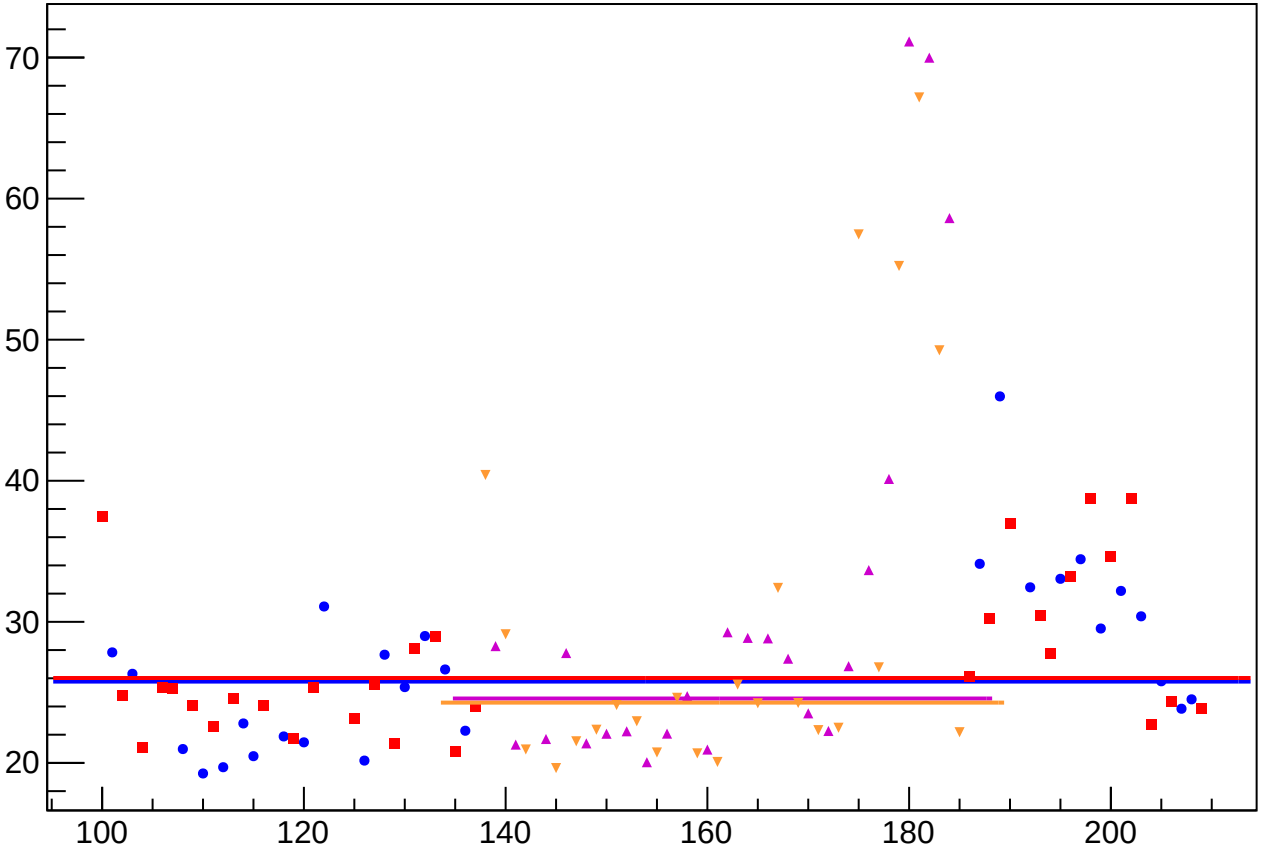
Right: -0.003+/-0.005 χ^2/NDF: 45.1/56

In: 0.000+/-0.005 χ^2/NDF:57.0/49

Out: -0.002+/-0.005 χ^2/NDF:40.0/53

All: -0.001+/-0.003 χ^2/NDF: 97.1/103

asym_us_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 25.766+/-0.005 χ^2/NDF: 972910.6/26

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

Right Out: 26.018+/-0.005 χ^2/NDF: 955070.9/29

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

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

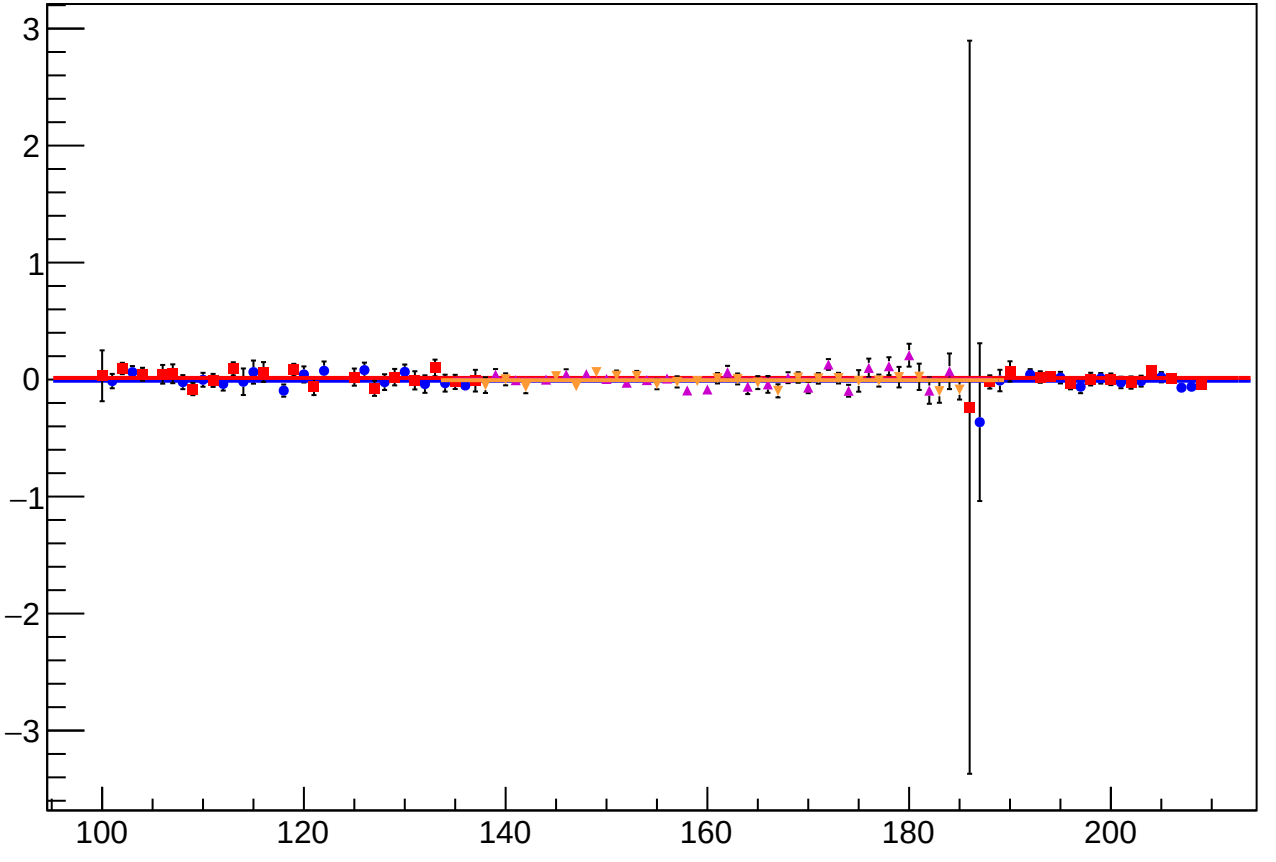
Right: 25.896+/-0.003 χ^2/NDF: 1929344.3/56

In: 25.115+/-0.003 χ^2/NDF:3138037.8/49

Out: 25.091+/-0.003 χ^2/NDF:3336611.0/53

All: 25.103+/-0.002 χ^2/NDF: 6474674.5/103

asym_us_dd_eigen_dit_vs_overload_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.010+/-0.011 χ^2/NDF: 18.7/26

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

Right Out: 0.014+/-0.011 χ^2/NDF: 22.3/29

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

Left: -0.002+/-0.007 χ^2/NDF: 51.9/46

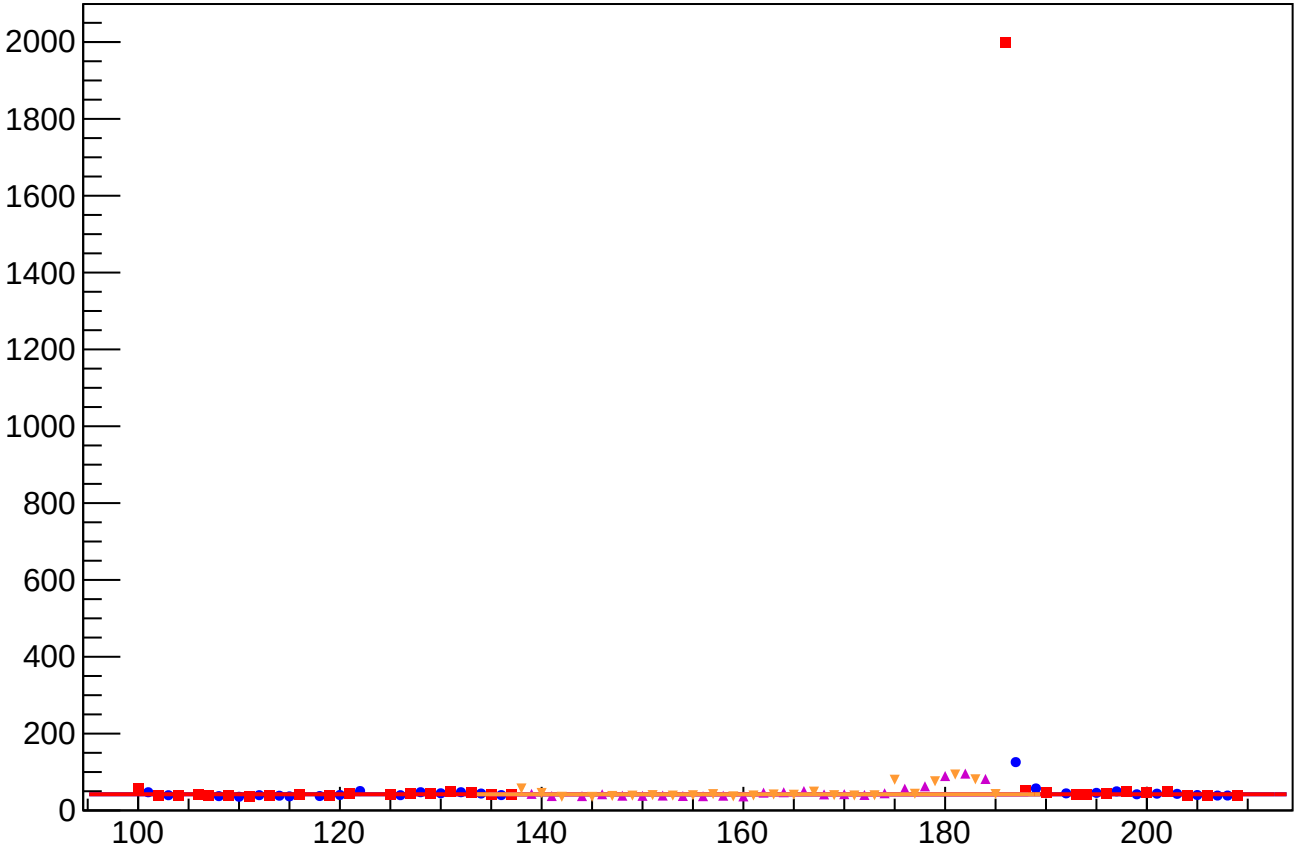
Right: 0.002+/-0.008 χ^2/NDF: 43.4/56

In: -0.005+/-0.008 χ^2/NDF:57.1/49

Out: 0.004+/-0.007 χ^2/NDF:37.8/53

All: -0.000+/-0.005 χ^2/NDF: 95.5/103

asym_us_dd_eigen_dit_vs_overload_cor_diff_rms vs Slug, Sign Corrected



Right In: 42.105+/-0.008 χ^2/NDF: 311849.2/26

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

Right Out: 42.158+/-0.008 χ^2/NDF: 1079130.7/29

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

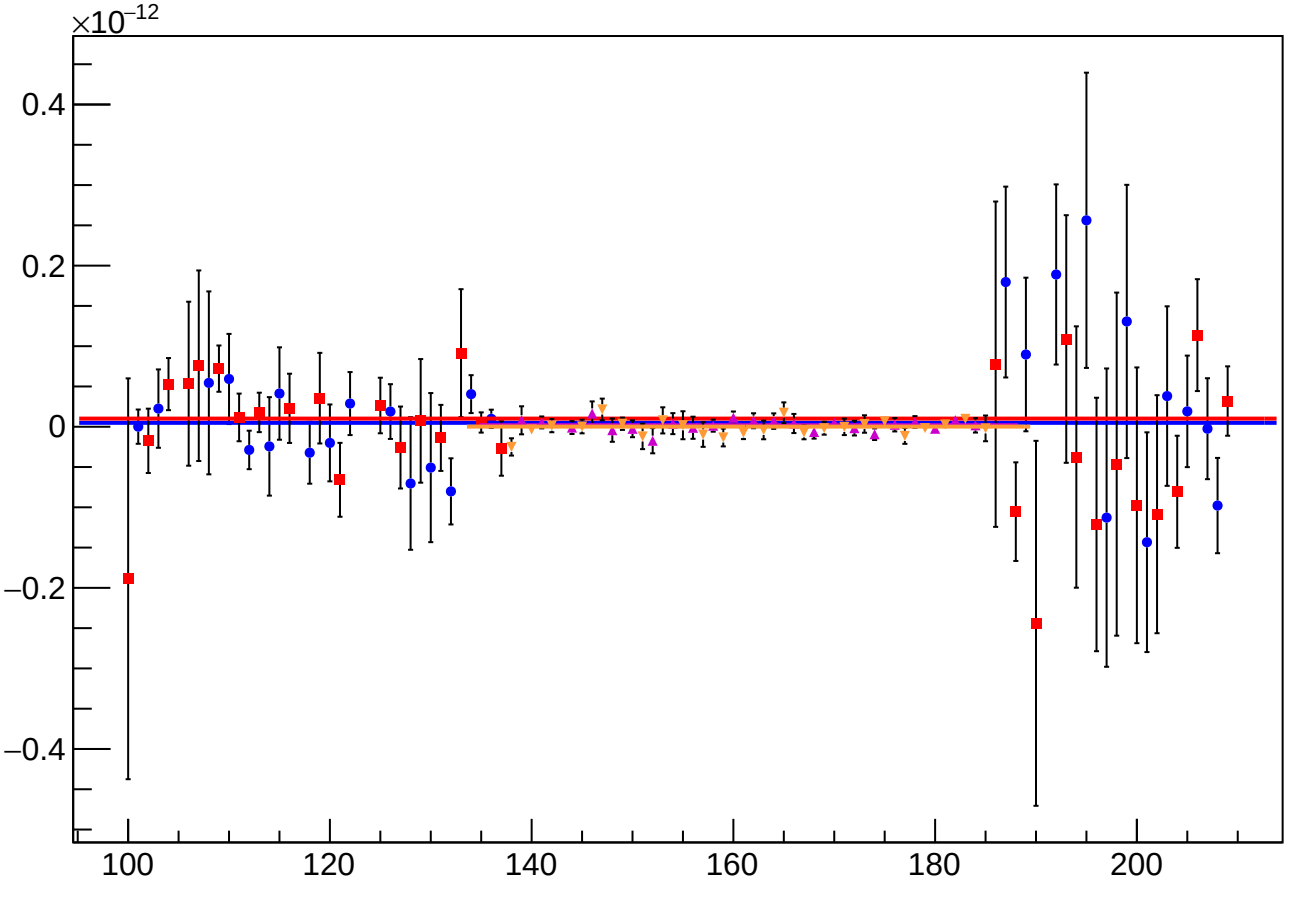
Left: 42.083+/-0.005 χ^2/NDF: 3259520.0/46

Right: 42.132+/-0.005 χ^2/NDF: 1391004.4/56

In: 42.091+/-0.005 χ^2/NDF:1855336.9/49

Out: 42.122+/-0.005 χ^2/NDF:2795212.4/53

All: 42.107+/-0.004 χ^2/NDF: 4650567.3/103



Right In: 0.000+/-0.000 χ^2/NDF: 26.5/26

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

Right Out: 0.000+/-0.000 χ^2/NDF: 26.0/29

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

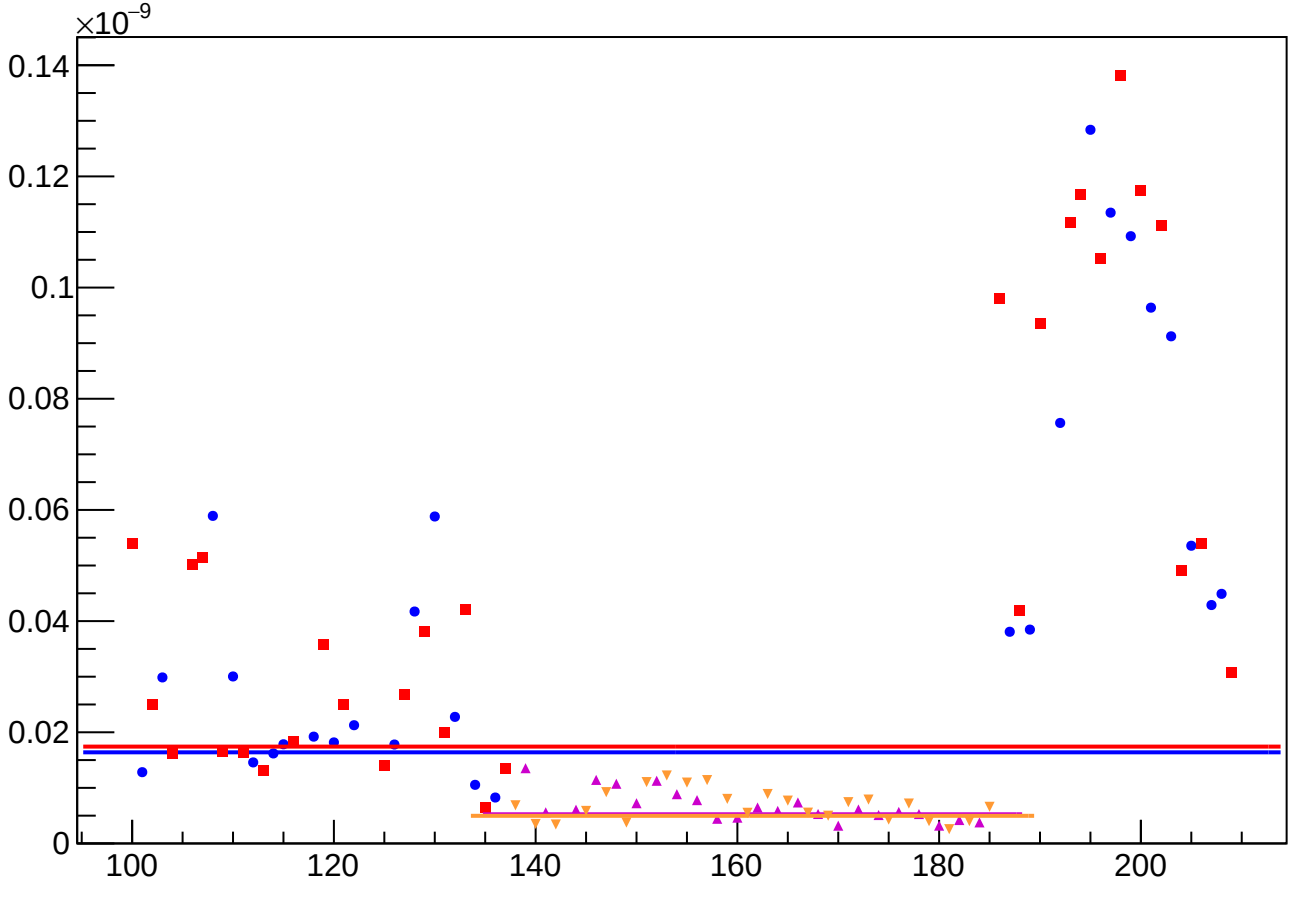
Left: 0.000+/-0.000 χ^2/NDF: 33.5/46

Right: 0.000+/-0.000 χ^2/NDF: 52.8/56

In: 0.000+/-0.000 χ^2/NDF:38.4/49

Out: 0.000+/-0.000 χ^2/NDF:48.9/53

All: 0.000+/-0.000 χ^2/NDF: 87.7/103



Right In: 0.000+/-0.000 χ^2/NDF: 8093939.8/26

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

Right Out: 0.000+/-0.000 χ^2/NDF: 9089753.0/29

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

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

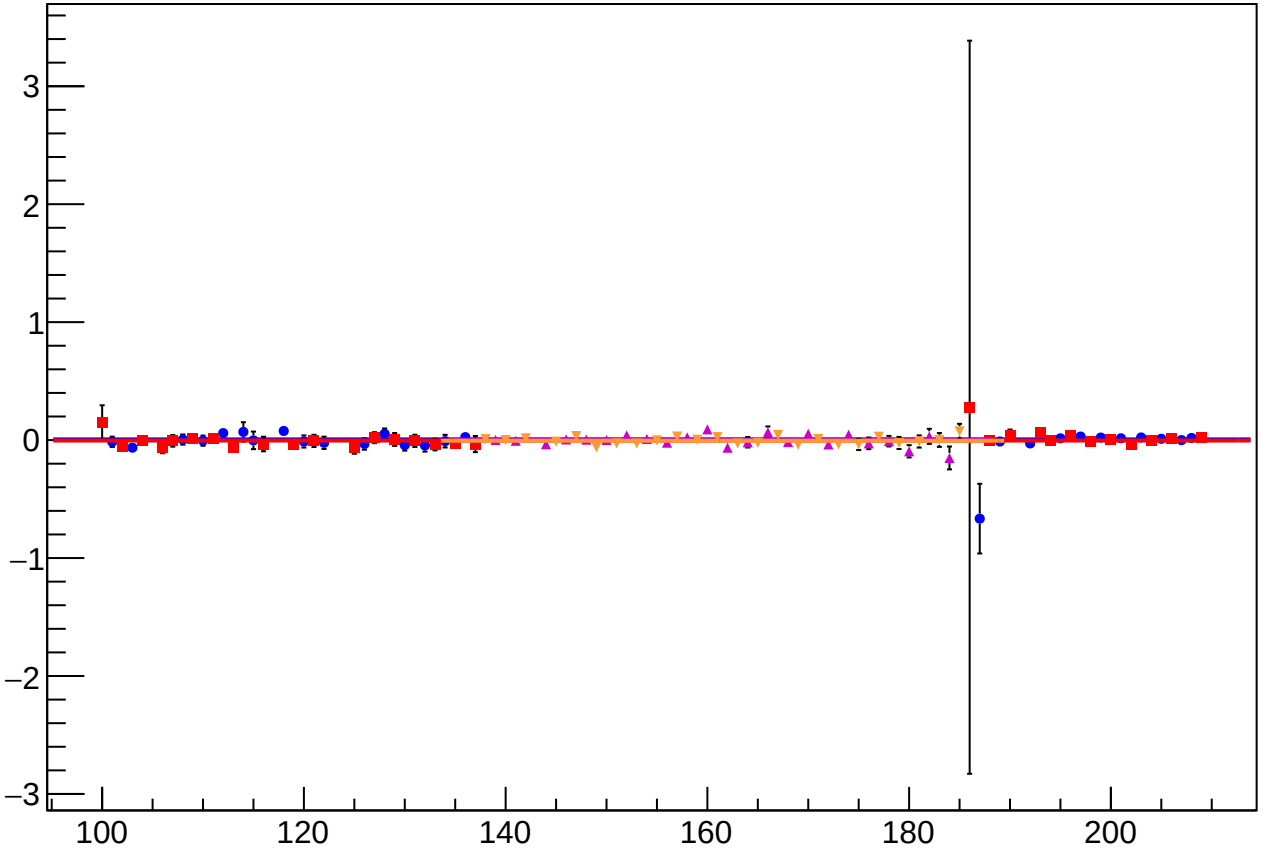
Right: 0.000+/-0.000 χ^2/NDF: 17203584.5/56

In: 0.000+/-0.000 χ^2/NDF:15310791.4/49

Out: 0.000+/-0.000 χ^2/NDF:17931675.5/53

All: 0.000+/-0.000 χ^2/NDF: 33276485.9/103

asym_us_dd_overload_cor_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.006+/-0.007 χ^2/NDF: 24.3/26

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

Right Out: -0.004+/-0.007 χ^2/NDF: 23.4/29

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

Left: -0.001+/-0.005 χ^2/NDF: 48.8/46

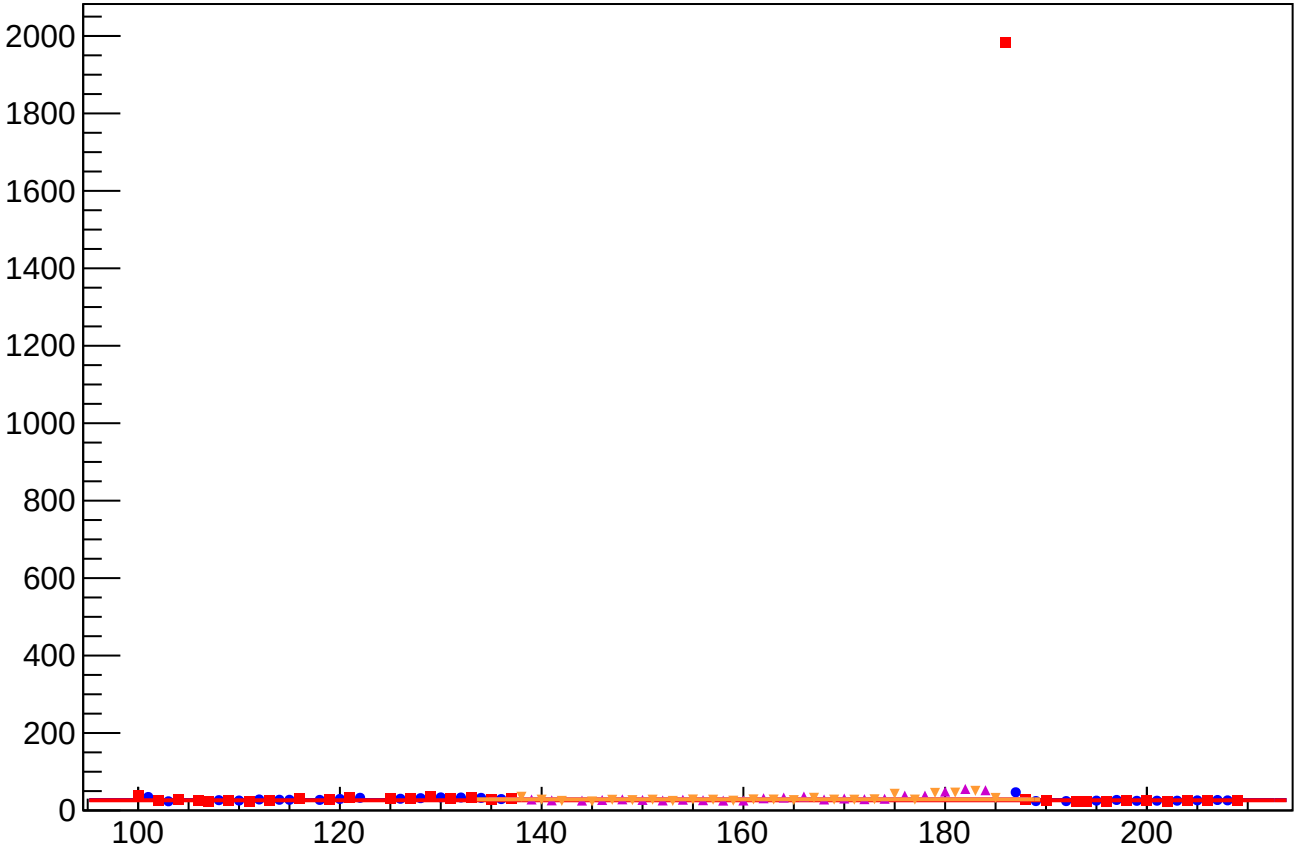
Right: 0.001+/-0.005 χ^2/NDF: 48.6/56

In: 0.005+/-0.005 χ^2/NDF:55.6/49

Out: -0.004+/-0.005 χ^2/NDF:40.1/53

All: 0.000+/-0.004 χ^2/NDF: 97.5/103

asym_us_dd_overload_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 26.983+/-0.005 χ^2/NDF: 331738.4/26

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

Right Out: 26.305+/-0.005 χ^2/NDF: 1109409.9/29

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

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

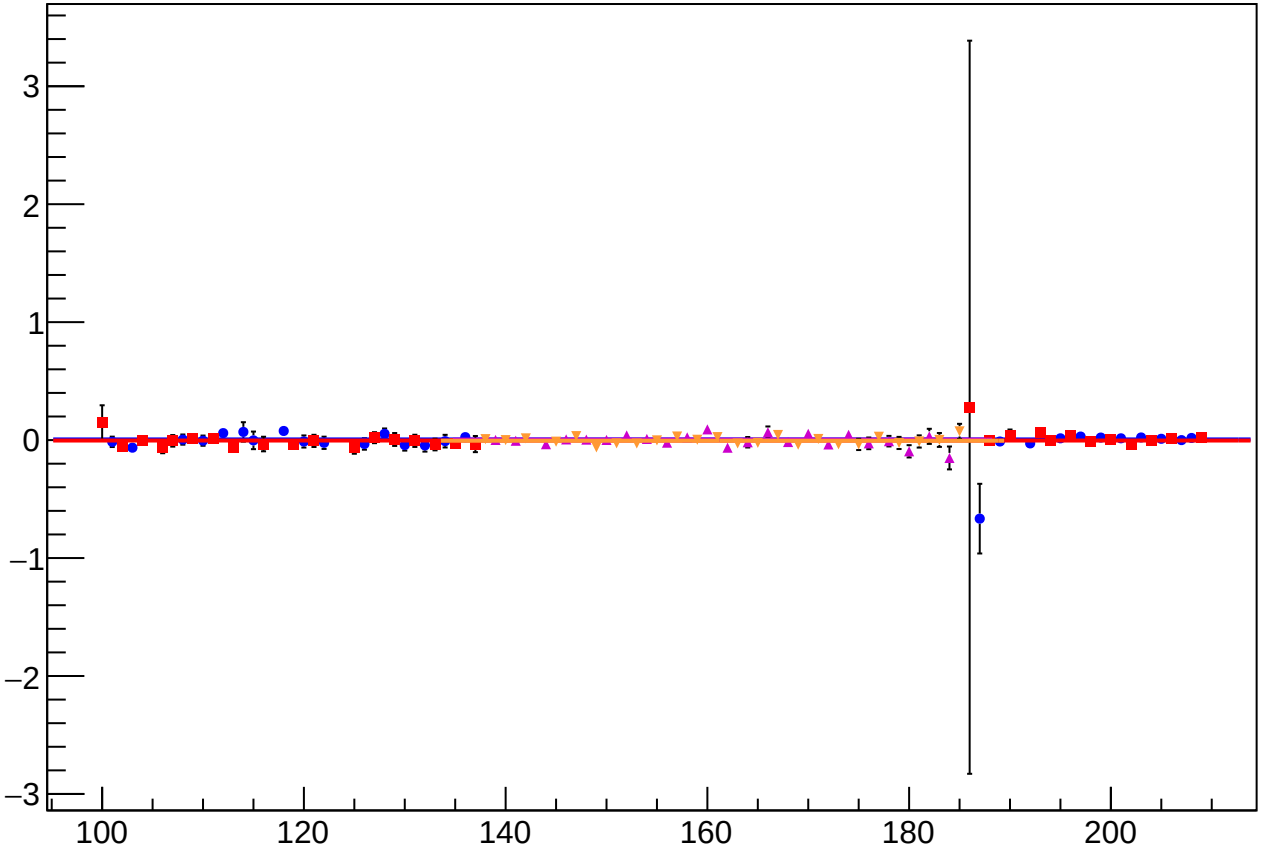
Right: 26.629+/-0.003 χ^2/NDF: 1450703.8/56

In: 28.106+/-0.004 χ^2/NDF:1573311.9/49

Out: 27.494+/-0.003 χ^2/NDF:2407941.2/53

All: 27.791+/-0.002 χ^2/NDF: 3996412.7/103

asym_us_dd_overload_cor_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.006+/-0.007 χ^2/NDF: 24.3/26

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

Right Out: -0.004+/-0.007 χ^2/NDF: 23.4/29

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

Left: -0.001+/-0.005 χ^2/NDF: 48.8/46

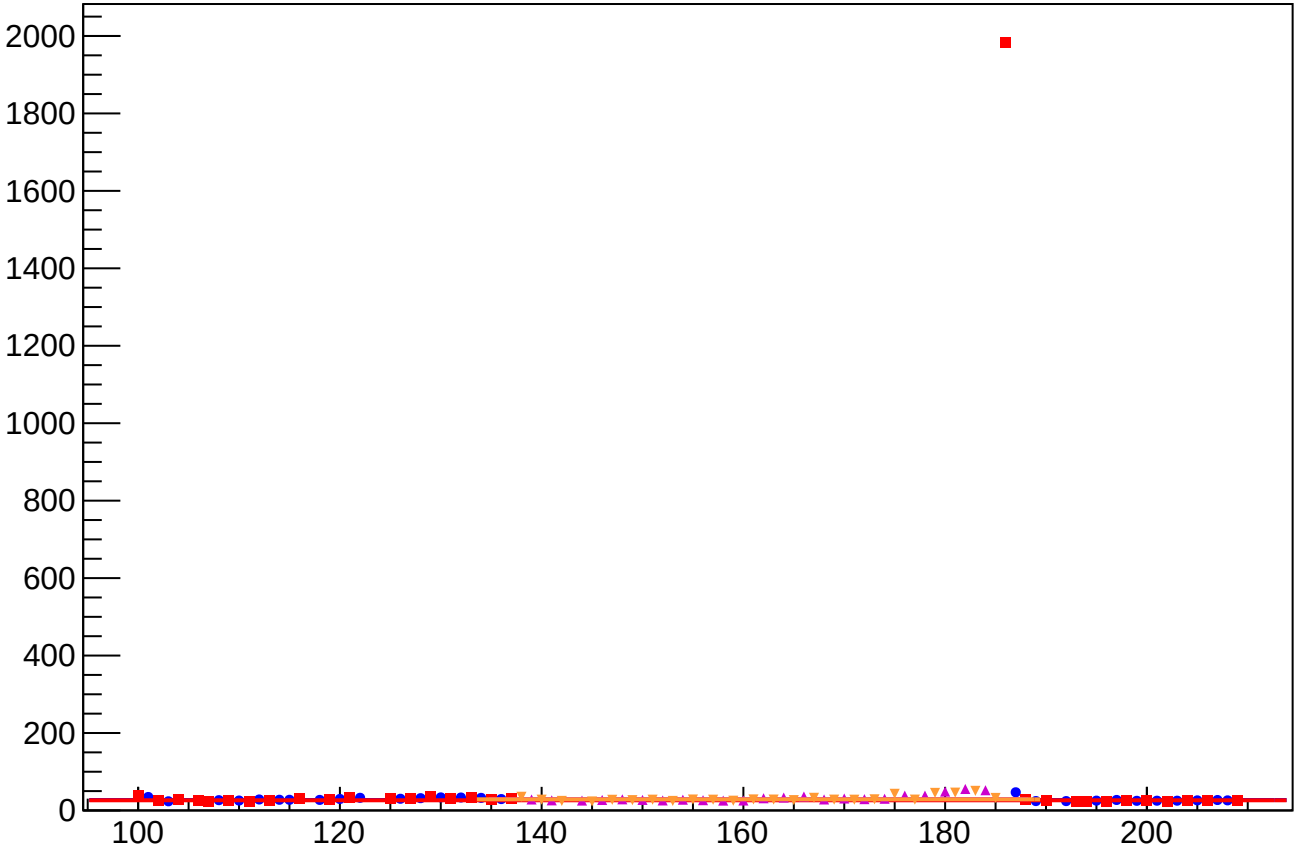
Right: 0.001+/-0.005 χ^2/NDF: 48.6/56

In: 0.005+/-0.005 χ^2/NDF:55.6/49

Out: -0.004+/-0.005 χ^2/NDF:40.1/53

All: 0.000+/-0.004 χ^2/NDF: 97.5/103

asym_us_dd_overload_cor_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 26.983+/-0.005 χ^2/NDF: 331738.4/26

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

Right Out: 26.305+/-0.005 χ^2/NDF: 1109409.9/29

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

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

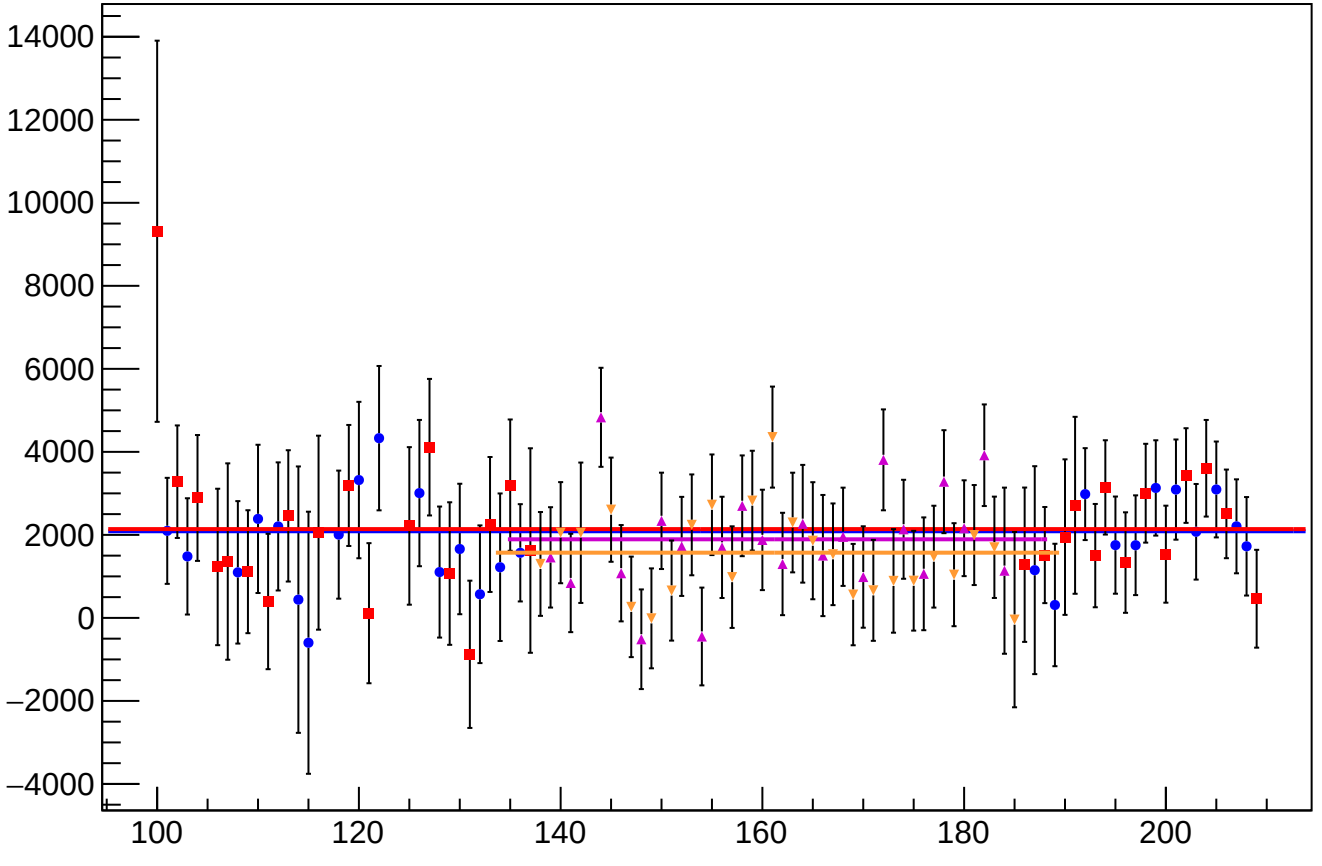
Right: 26.629+/-0.003 χ^2/NDF: 1450703.8/56

In: 28.106+/-0.004 χ^2/NDF:1573311.9/49

Out: 27.494+/-0.003 χ^2/NDF:2407941.2/53

All: 27.791+/-0.002 χ^2/NDF: 3996412.7/103

reg_asym_usl_mean vs Slug, Sign Corrected



Right In: 2087.447+/-274.626 χ^2/NDF: 10.4/26

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

Right Out: 2139.314+/-265.776 χ^2/NDF: 20.5/30

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

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

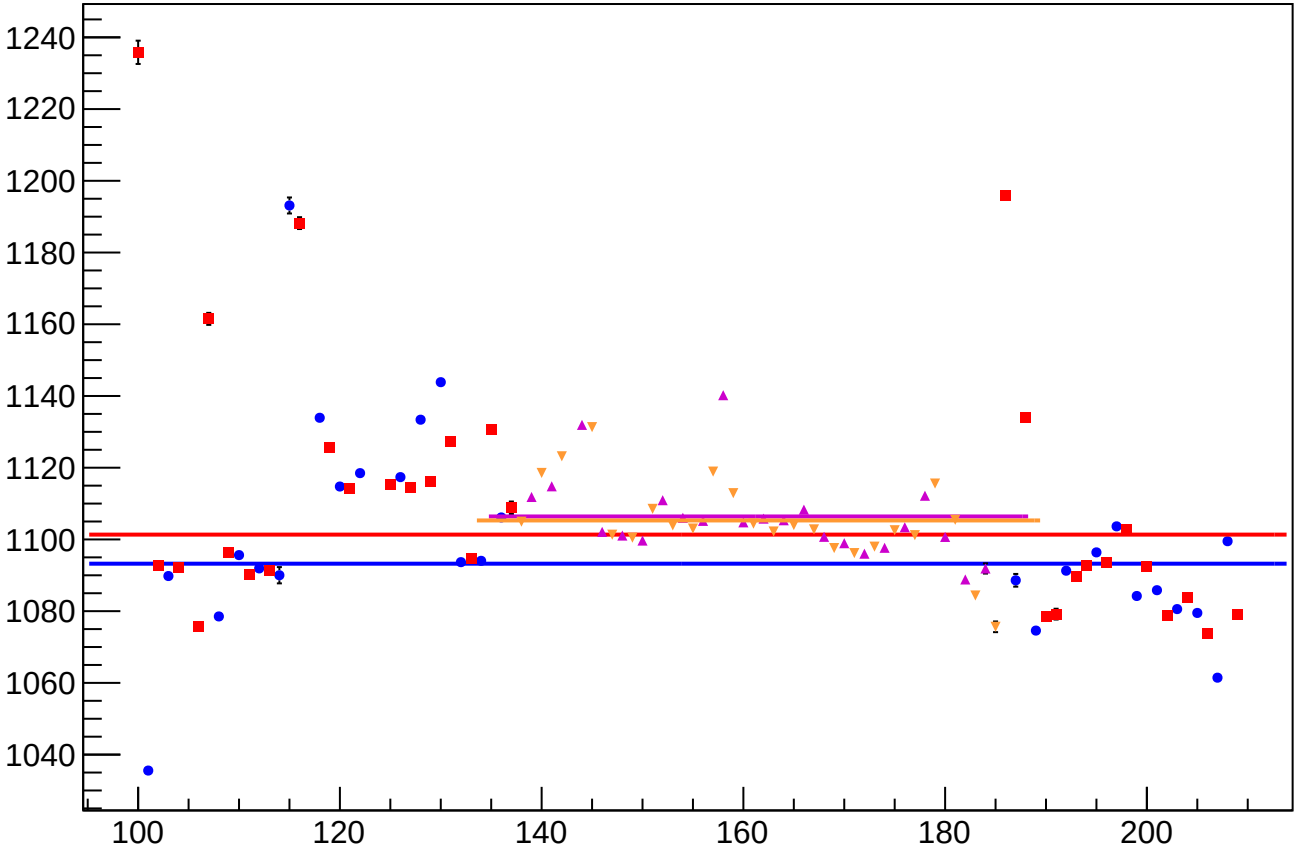
Right: 2114.230+/-190.984 χ^2/NDF: 30.9/57

In: 1984.471+/-188.168 χ^2/NDF:34.8/49

Out: 1845.135+/-184.579 χ^2/NDF:38.2/54

All: 1913.461+/-131.767 χ^2/NDF: 73.3/104

reg_asym_usl_rms vs Slug, Sign Corrected



Right In: 1093.237+/-0.194 χ^2/NDF: 15160.5/26

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

Right Out: 1101.344+/-0.188 χ^2/NDF: 19789.1/30

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

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

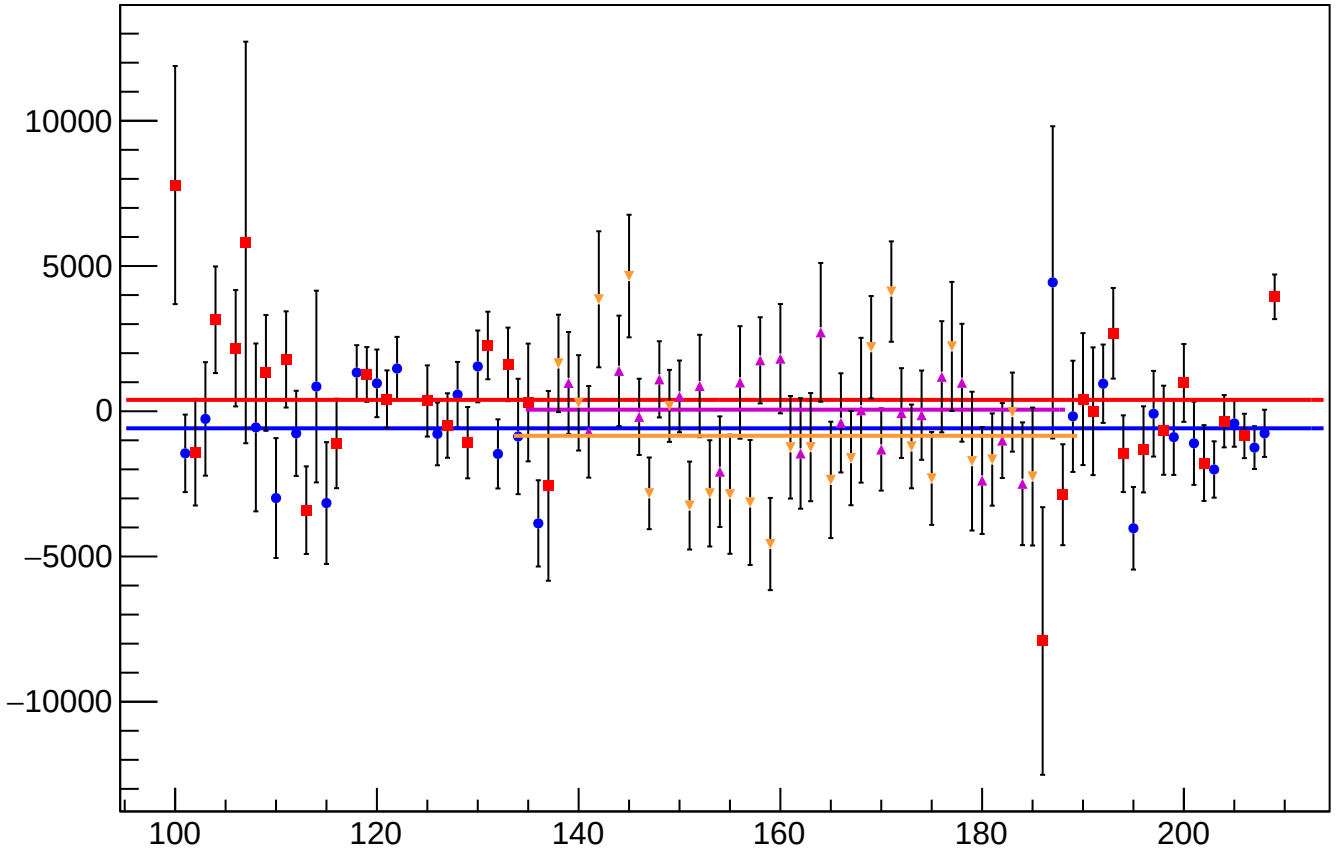
Right: 1097.423+/-0.135 χ^2/NDF: 35849.7/57

In: 1100.223+/-0.133 χ^2/NDF:21376.6/49

Out: 1103.389+/-0.131 χ^2/NDF:23179.6/54

All: 1101.836+/-0.093 χ^2/NDF: 44844.8/104

asym_usl_reg_correction_mean vs Slug, Sign Corrected



Right In: -586.735+/-240.732 χ^2/NDF: 33.9/26

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

Right Out: 392.300+/-243.761 χ^2/NDF: 63.7/30

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

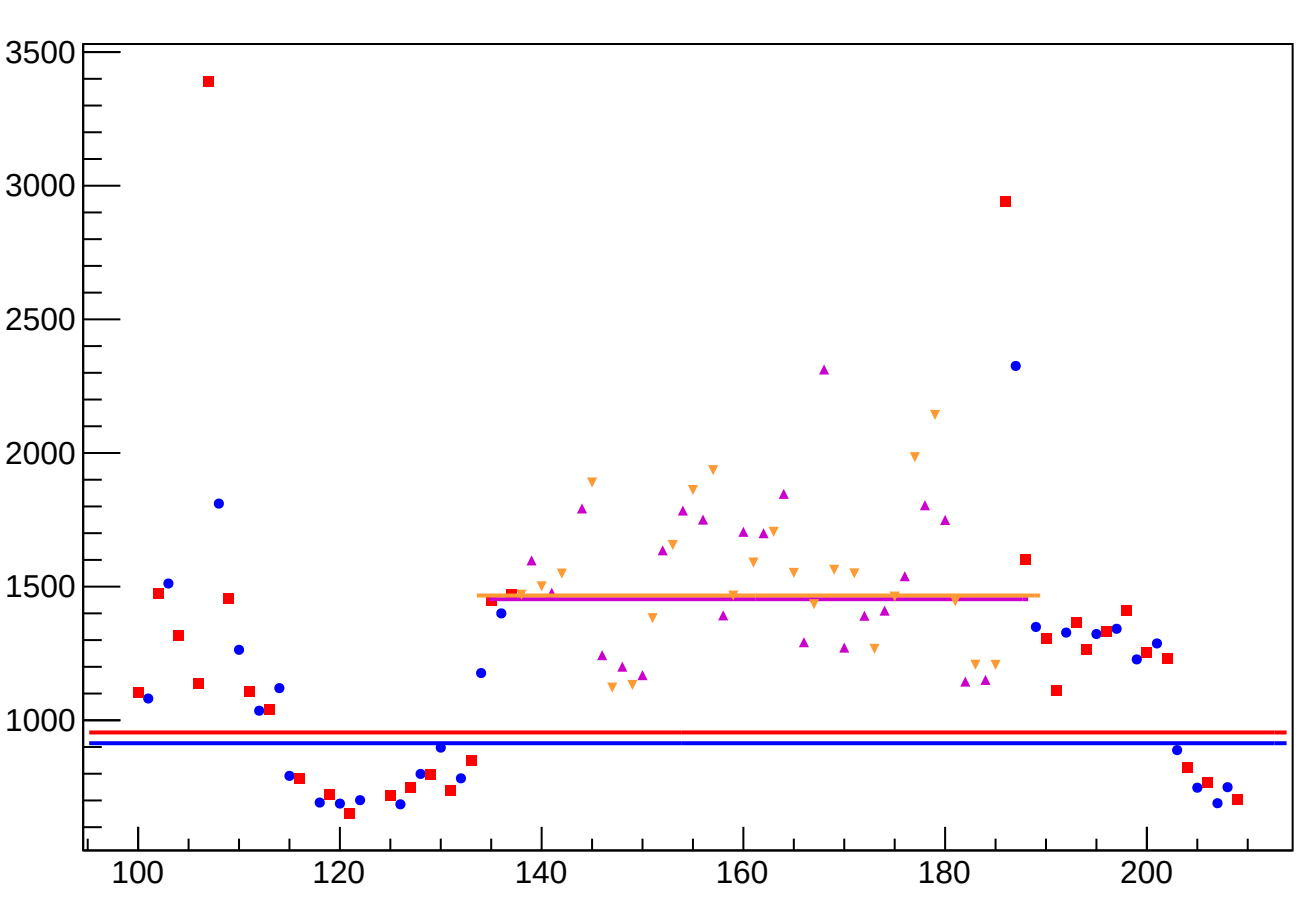
Left: -393.356+/-245.120 χ^2/NDF: 60.6/46

Right: -103.338+/-171.284 χ^2/NDF: 105.8/57

In: -377.596+/-197.601 χ^2/NDF:49.3/49

Out: -15.870+/-199.530 χ^2/NDF:116.4/54

All: -198.489+/-140.402 χ^2/NDF: 167.3/104



Right In: 914.135+/-0.170 χ^2/NDF: 2515404.7/26

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

Right Out: 954.405+/-0.172 χ^2/NDF: 3247519.0/30

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

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

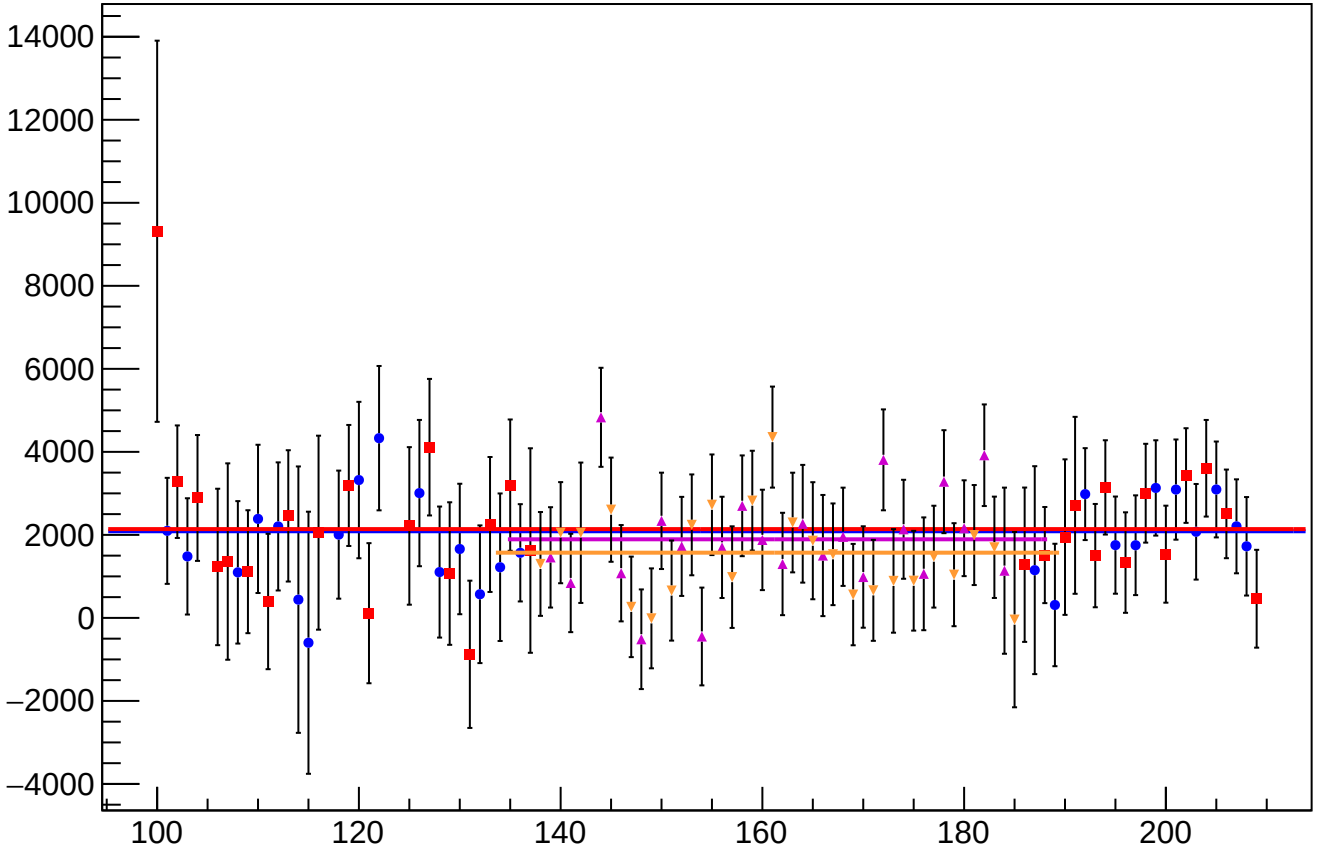
Right: 934.018+/-0.121 χ^2/NDF: 5790556.8/57

In: 1089.922+/-0.140 χ^2/NDF:6913995.7/49

Out: 1123.501+/-0.141 χ^2/NDF:7207440.1/54

All: 1106.548+/-0.099 χ^2/NDF: 14150031.5/1

cor_asym_usl_mean vs Slug, Sign Corrected



Right In: 2087.447+/-274.626 χ^2/NDF: 10.4/26

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

Right Out: 2139.307+/-265.776 χ^2/NDF: 20.5/30

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

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

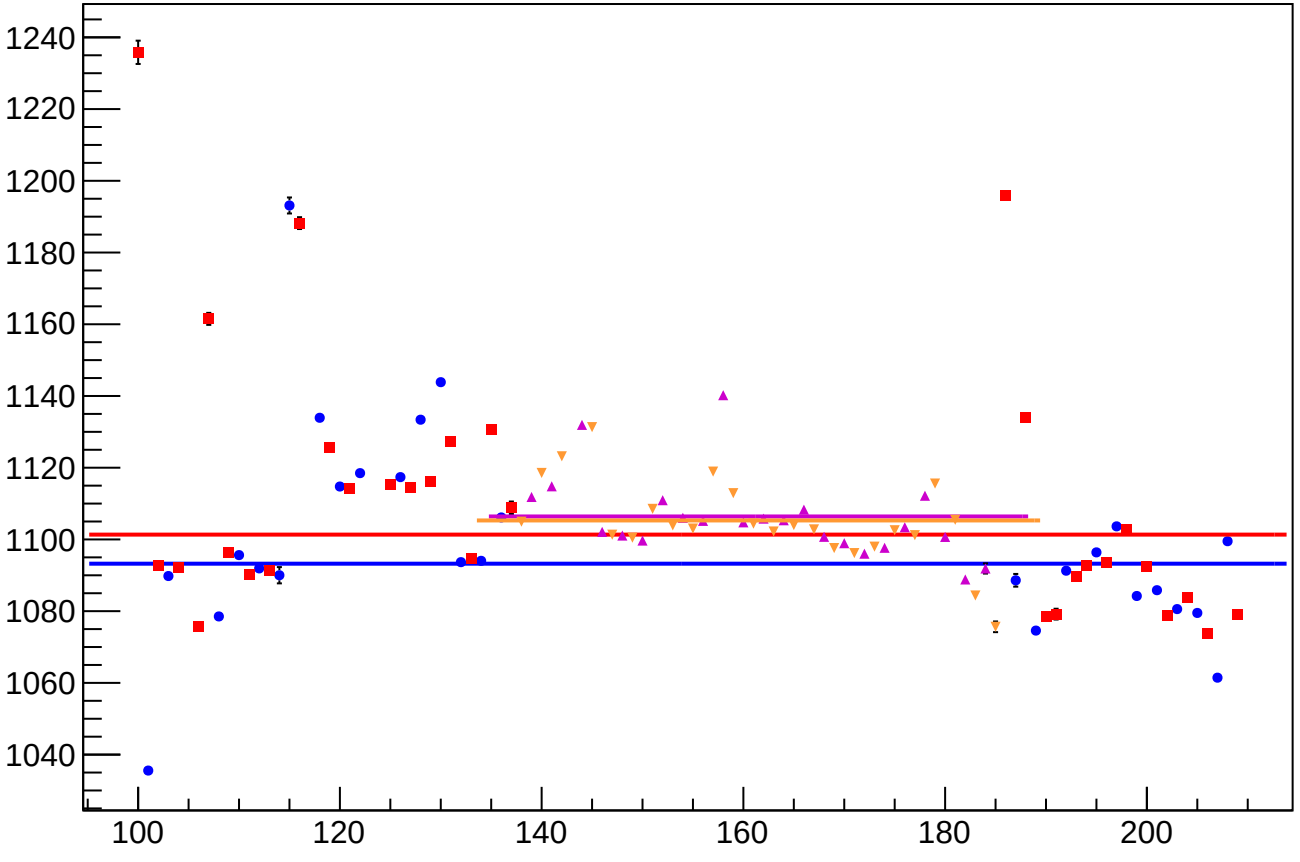
Right: 2114.226+/-190.984 χ^2/NDF: 30.9/57

In: 1984.471+/-188.168 χ^2/NDF:34.8/49

Out: 1845.131+/-184.579 χ^2/NDF:38.2/54

All: 1913.460+/-131.767 χ^2/NDF: 73.3/104

cor_asym_usl_rms vs Slug, Sign Corrected



Right In: 1093.237+/-0.194 χ^2/NDF: 15160.5/26

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

Right Out: 1101.344+/-0.188 χ^2/NDF: 19789.1/30

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

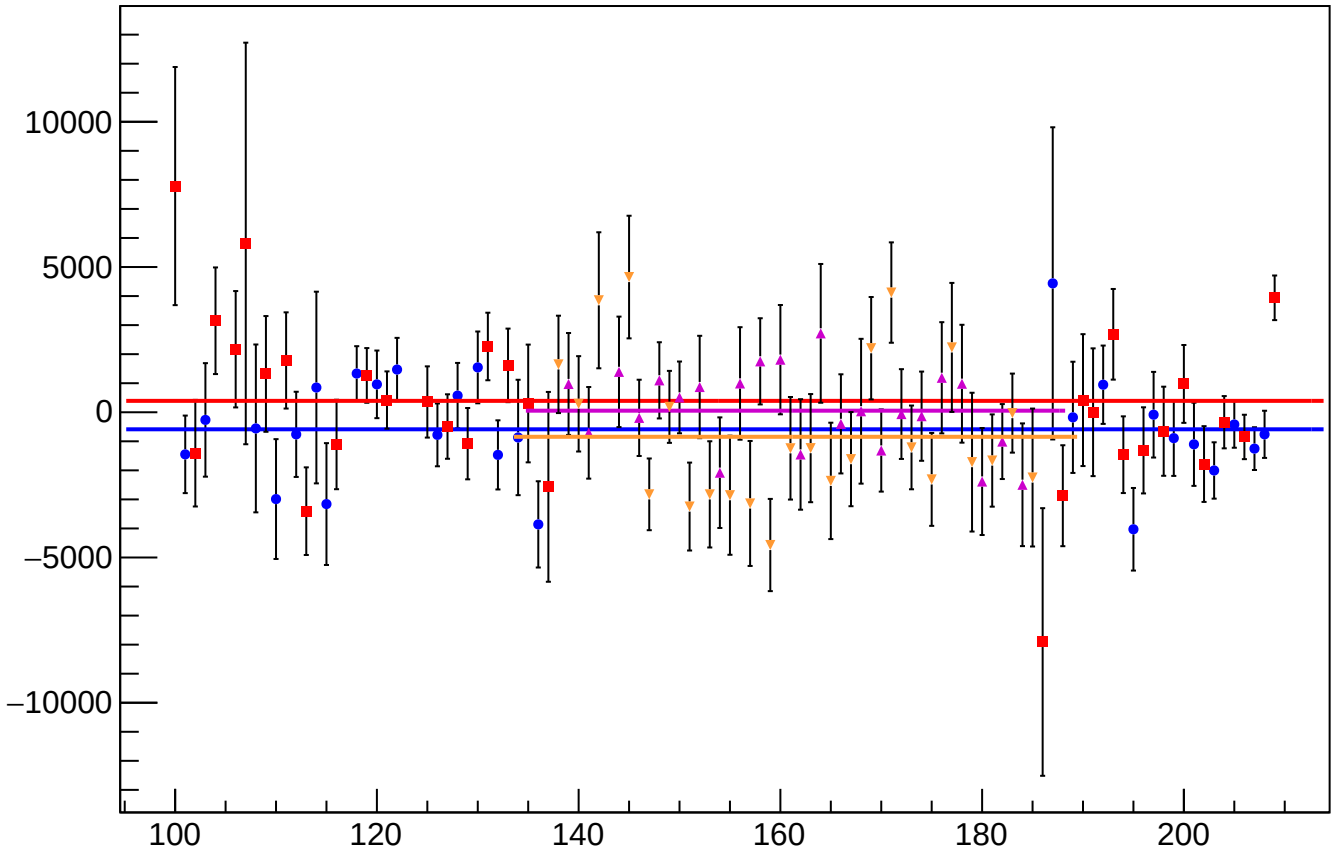
Left: 1105.846+/-0.129 χ^2/NDF: 6956.8/46

Right: 1097.423+/-0.135 χ^2/NDF: 35849.7/57

In: 1100.223+/-0.133 χ^2/NDF:21376.6/49

Out: 1103.389+/-0.131 χ^2/NDF:23179.6/54

All: 1101.836+/-0.093 χ^2/NDF: 44844.8/104



Right In: -586.735+/-240.732 χ^2/NDF: 33.9/26

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

Right Out: 392.300+/-243.761 χ^2/NDF: 63.7/30

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

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

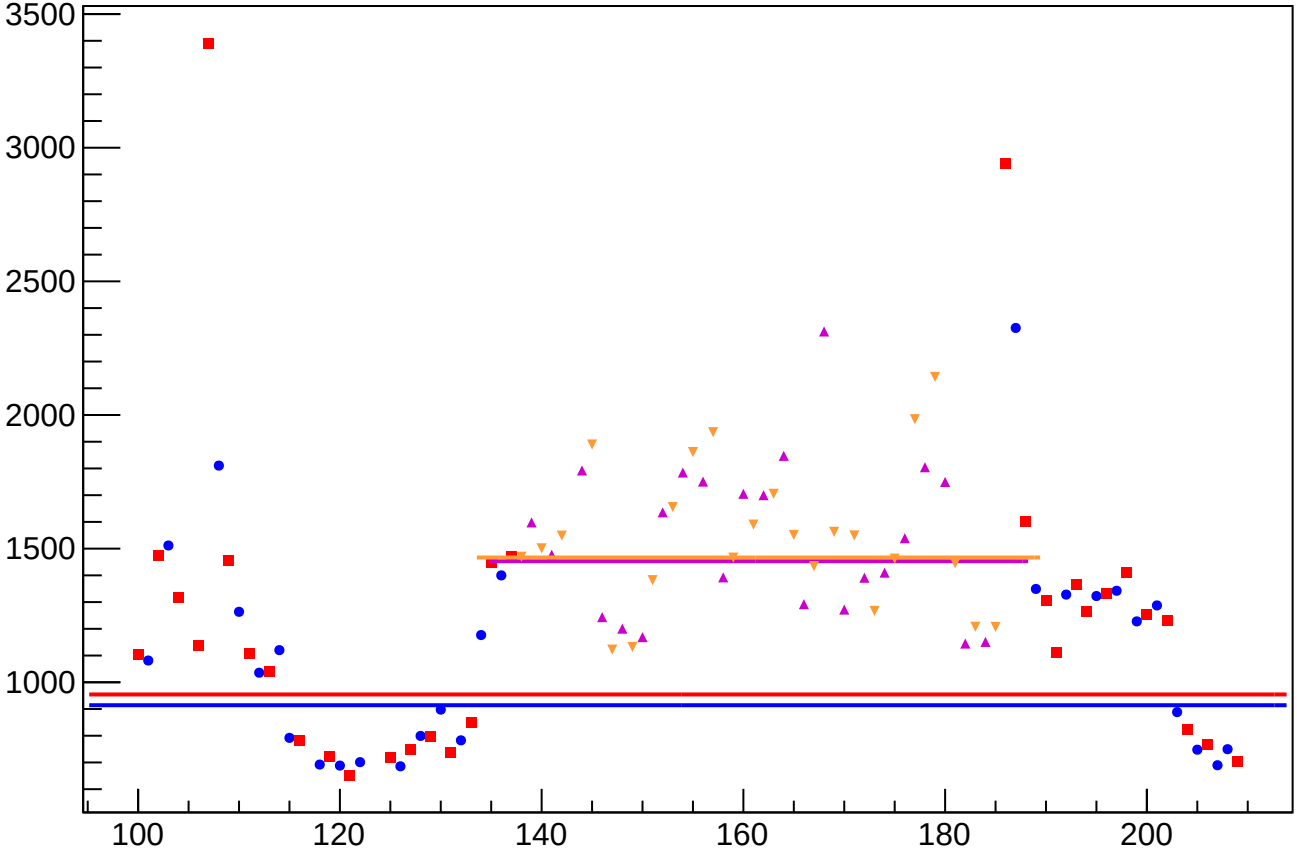
Right: -103.338+/-171.284 χ^2/NDF: 105.8/57

In: -377.596+/-197.601 χ^2/NDF:49.3/49

Out: -15.870+/-199.530 χ^2/NDF:116.4/54

All: -198.489+/-140.402 χ^2/NDF: 167.3/104

asym_usl_cor_correction_rms vs Slug, Sign Corrected



Right In: 914.135+/-0.170 χ^2/NDF: 2515404.7/26

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

Right Out: 954.405+/-0.172 χ^2/NDF: 3247517.6/30

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

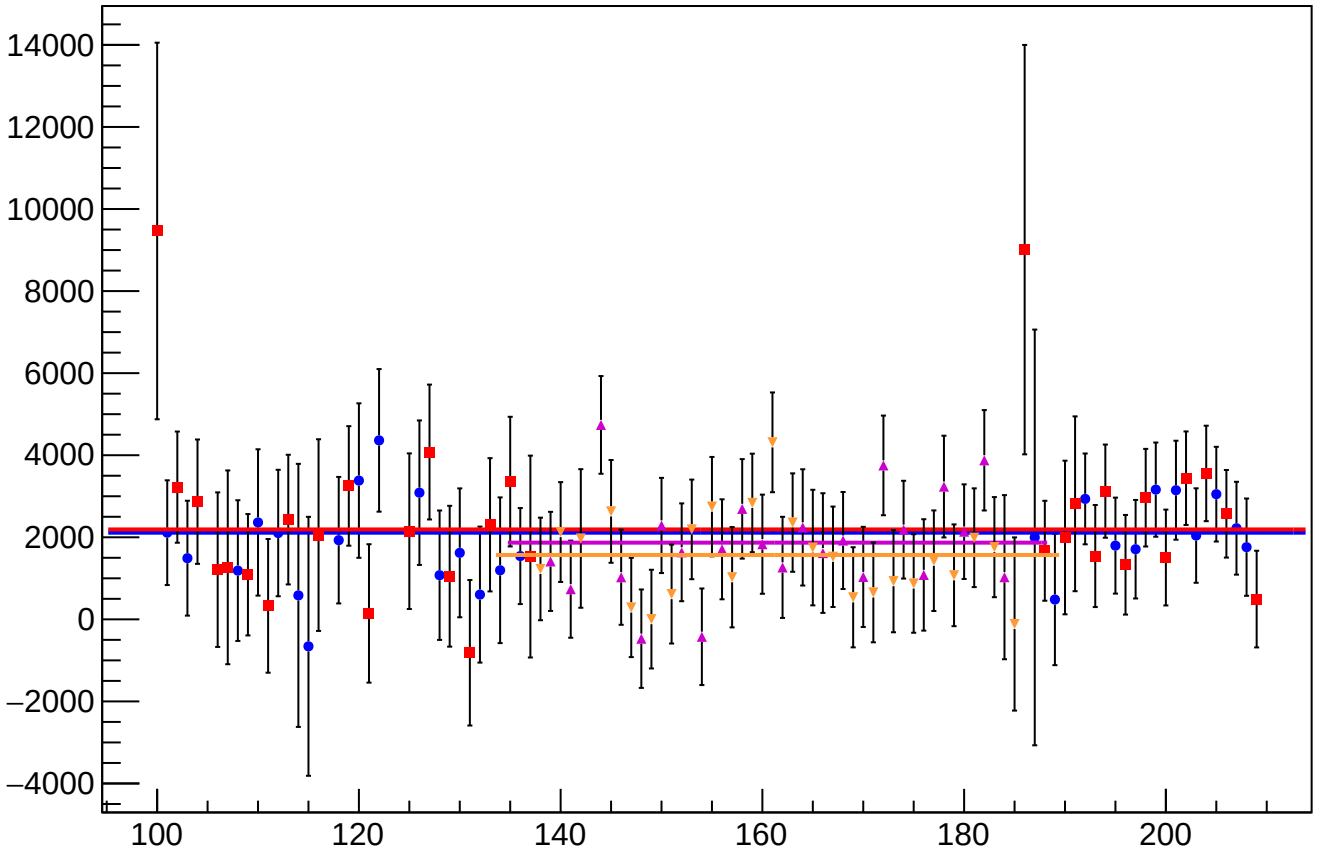
Left: 1459.887+/-0.173 χ^2/NDF: 2174470.2/46

Right: 934.018+/-0.121 χ^2/NDF: 5790555.2/57

In: 1089.922+/-0.140 χ^2/NDF:6913995.7/49

Out: 1123.501+/-0.141 χ^2/NDF:7207440.3/54

All: 1106.548+/-0.099 χ^2/NDF: 14150031.4/1



Right In: 2112.210+/-276.417 χ^2/NDF: 9.9/26

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

Right Out: 2191.233+/-268.698 χ^2/NDF: 22.0/30

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

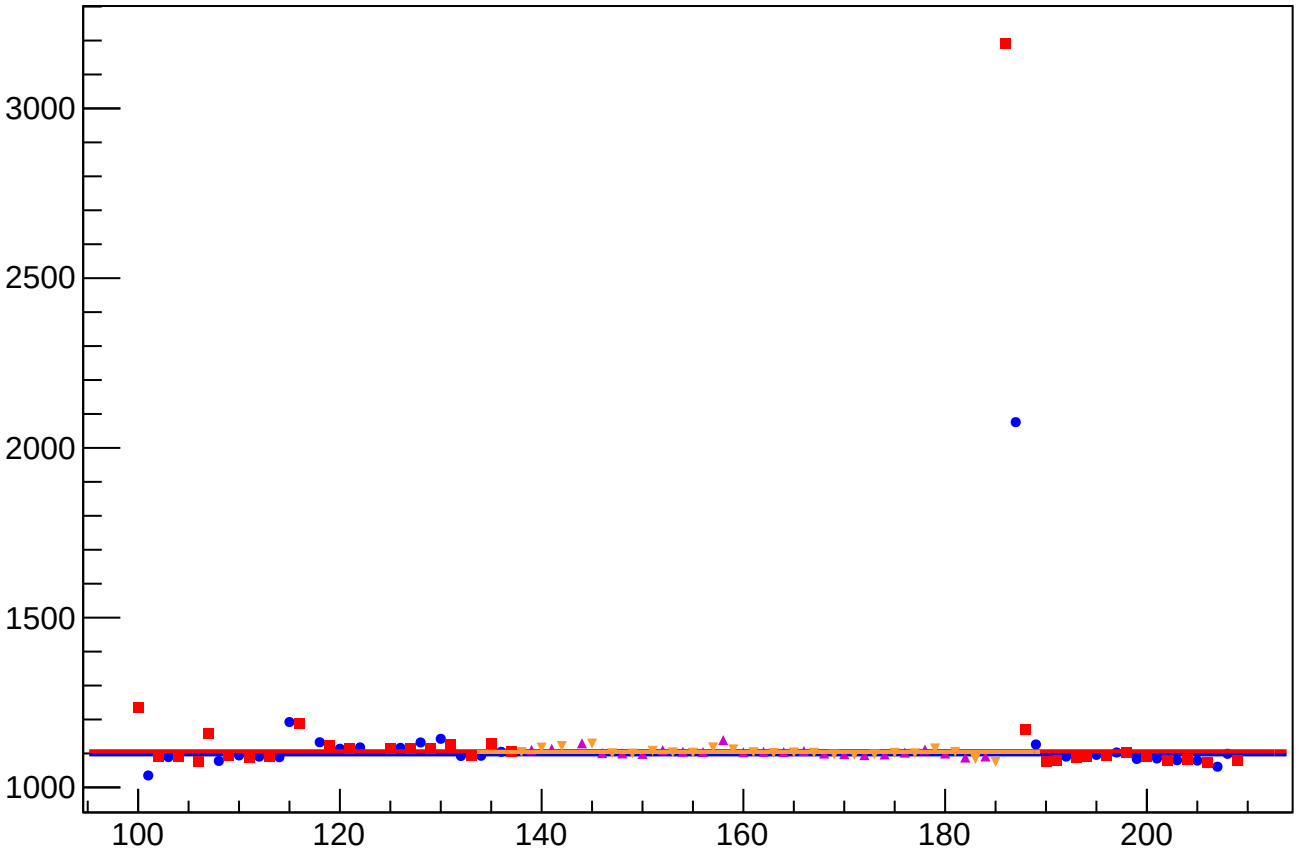
Left: 1718.009+/-181.862 χ^2/NDF: 39.5/46

Right: 2152.840+/-192.669 χ^2/NDF: 32.0/57

In: 1982.463+/-188.647 χ^2/NDF:33.8/49

Out: 1865.311+/-185.457 χ^2/NDF:40.2/54

All: 1922.888+/-132.252 χ^2/NDF: 74.2/104



Right In: 1097.115+/-0.195 χ^2/NDF: 90421.2/26

Left Out: 1104.258+/-0.181 χ^2/NDF:2999.2/23

Right Out: 1106.479+/-0.190 χ^2/NDF: 369639.4/30

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

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

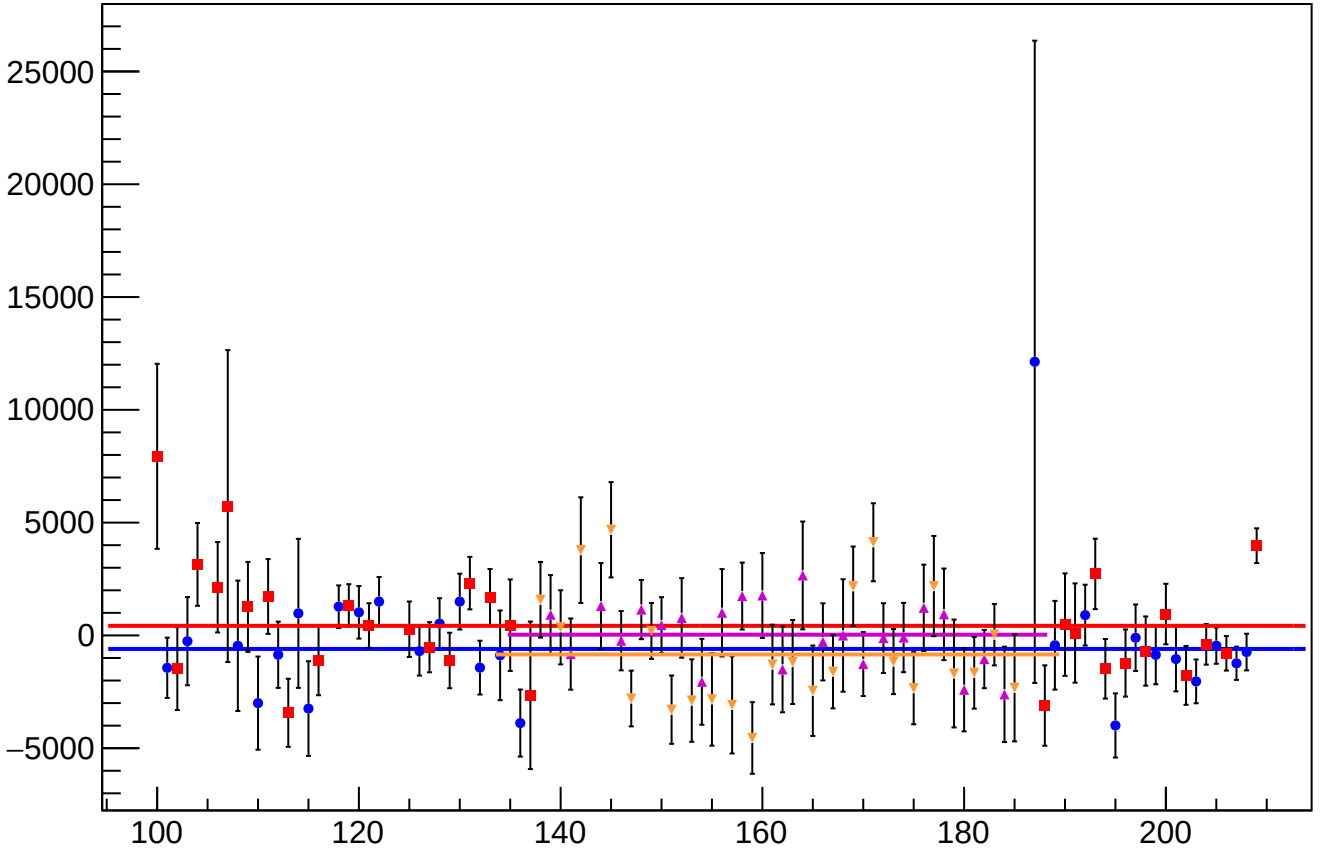
Right: 1101.929+/-0.136 χ^2/NDF: 461240.6/57

In: 1101.531+/-0.133 χ^2/NDF:95037.6/49

Out: 1105.316+/-0.131 χ^2/NDF:372710.2/54

All: 1103.456+/-0.094 χ^2/NDF: 468157.3/104

asym_usl_overload_cor_correction_mean vs Slug, Sign Corrected



Right In: -599.338+/-241.329 χ^2/NDF: 33.4/26

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

Right Out: 424.432+/-244.517 χ^2/NDF: 61.6/29

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

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

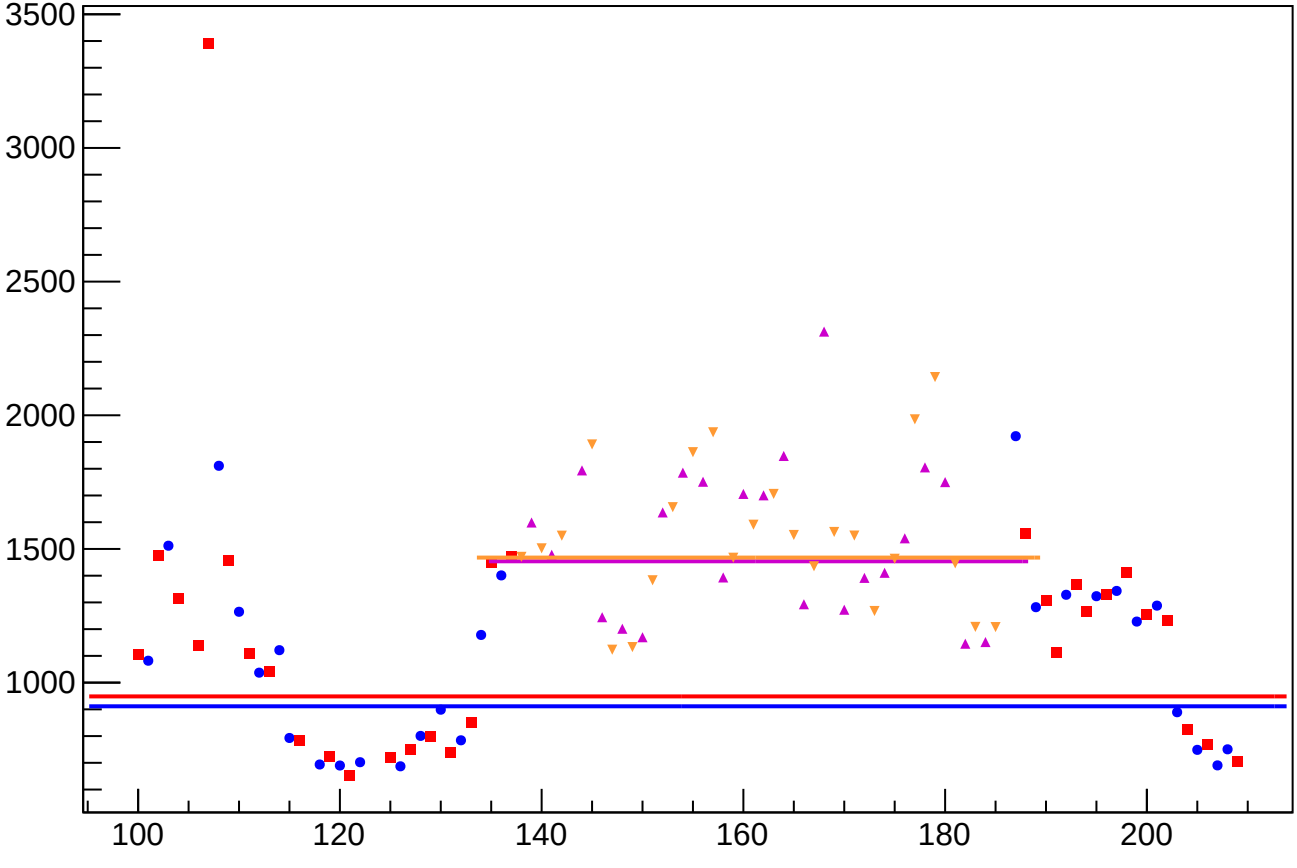
Right: -94.169+/-171.761 χ^2/NDF: 103.9/56

In: -393.044+/-197.967 χ^2/NDF:48.7/49

Out: 4.683+/-199.980 χ^2/NDF:114.6/53

All: -196.192+/-140.690 χ^2/NDF: 165.3/103

asym_usl_overload_cor_correction_rms vs Slug, Sign Corrected



Right In: 911.434+/-0.171 χ^2/NDF: 2346271.5/26

Left Out: 1467.697+/-0.246 χ^2/NDF:1041877.5/23

Right Out: 948.430+/-0.173 χ^2/NDF: 2814854.8/29

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

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

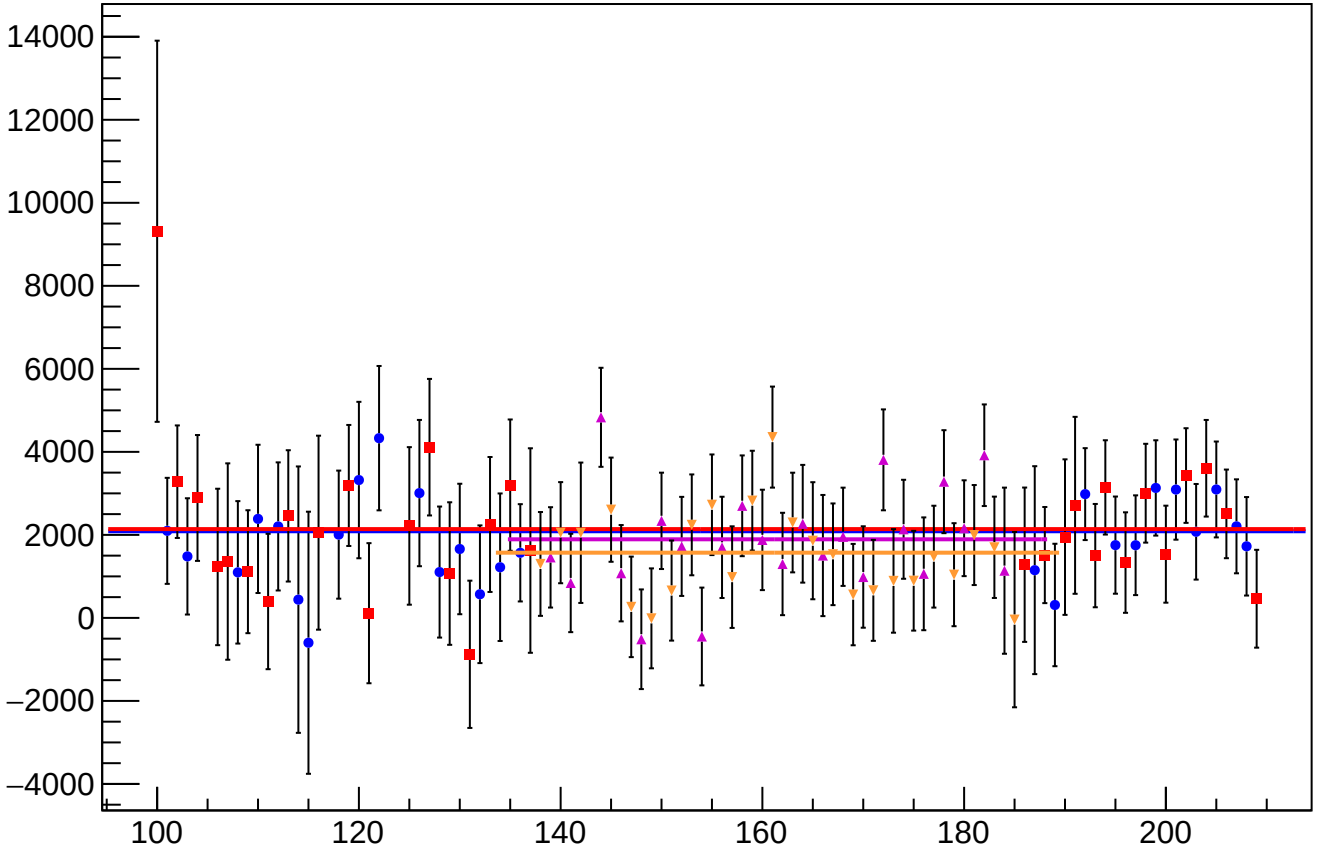
Right: 929.689+/-0.121 χ^2/NDF: 5184320.1/56

In: 1088.838+/-0.140 χ^2/NDF:6778692.4/49

Out: 1120.363+/-0.141 χ^2/NDF:6843231.2/53

All: 1104.441+/-0.099 χ^2/NDF: 13647025.8/1

eigen_cor_asym_usl_mean vs Slug, Sign Corrected



Right In: 2087.447+/-274.626 χ^2/NDF: 10.4/26

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

Right Out: 2139.307+/-265.776 χ^2/NDF: 20.5/30

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

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

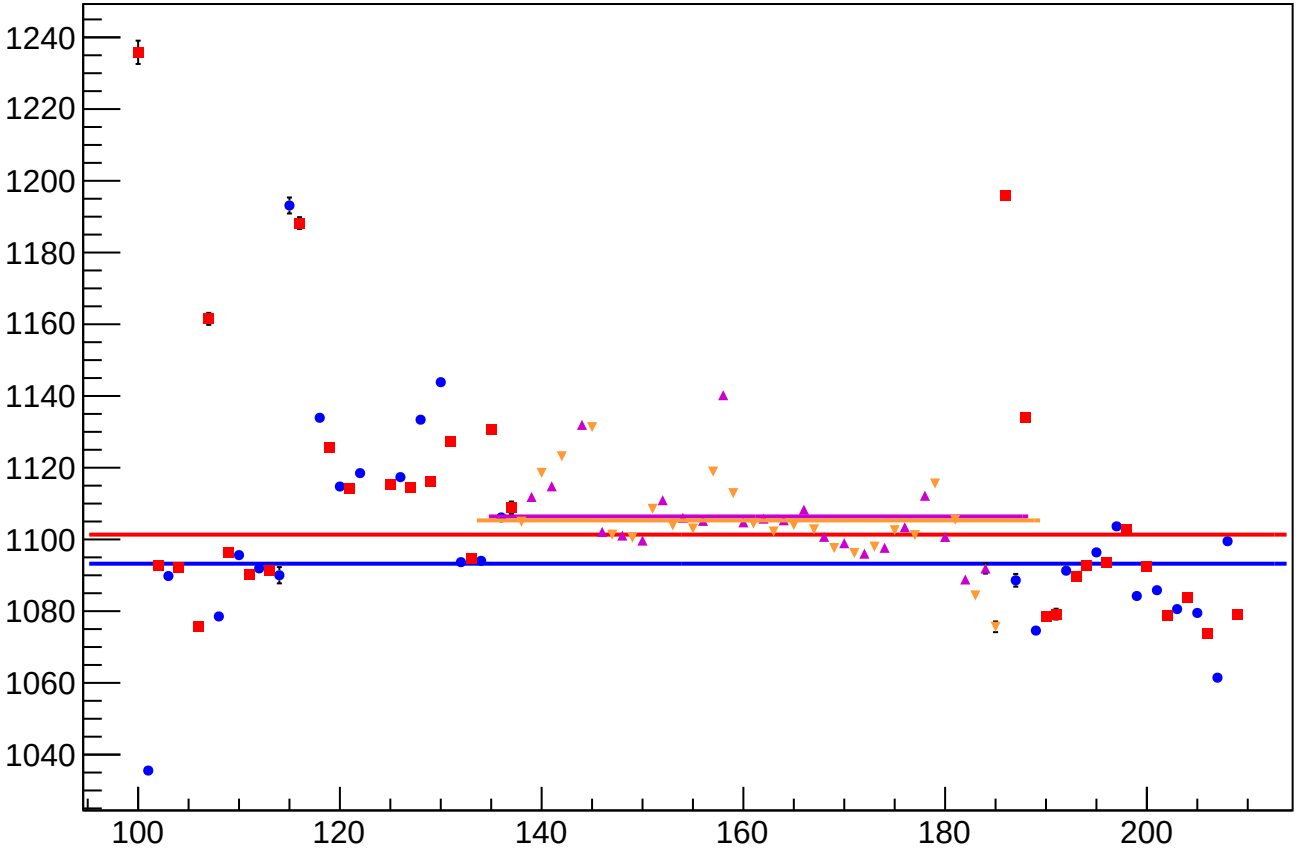
Right: 2114.226+/-190.984 χ^2/NDF: 30.9/57

In: 1984.471+/-188.168 χ^2/NDF:34.8/49

Out: 1845.131+/-184.579 χ^2/NDF:38.2/54

All: 1913.460+/-131.767 χ^2/NDF: 73.3/104

eigen_cor_asym_usl_rms vs Slug, Sign Corrected



Right In: 1093.237+/-0.194 χ^2/NDF: 15160.5/26

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

Right Out: 1101.344+/-0.188 χ^2/NDF: 19789.1/30

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

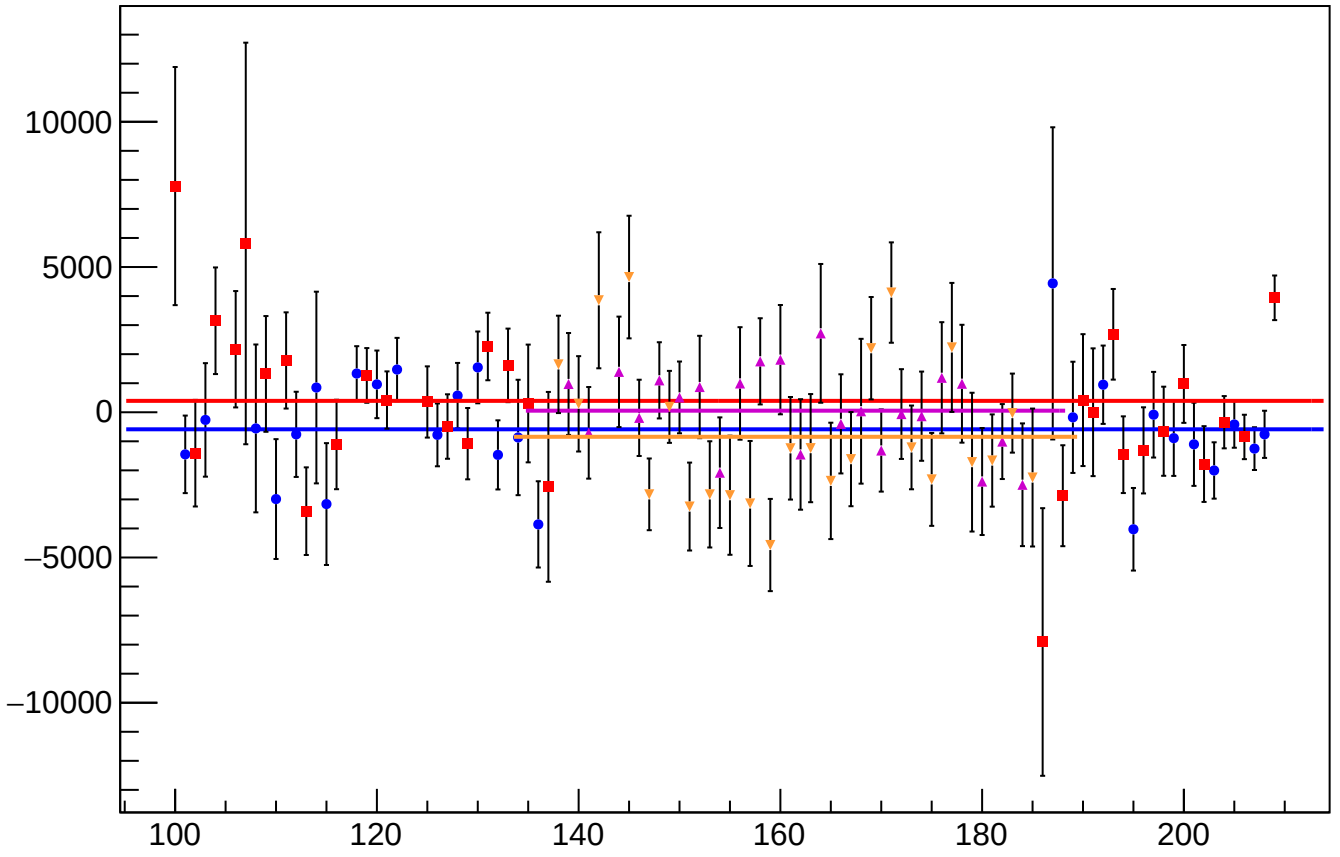
Left: 1105.846+/-0.129 χ^2/NDF: 6956.8/46

Right: 1097.423+/-0.135 χ^2/NDF: 35849.7/57

In: 1100.223+/-0.133 χ^2/NDF:21376.6/49

Out: 1103.389+/-0.131 χ^2/NDF:23179.6/54

All: 1101.836+/-0.093 χ^2/NDF: 44844.8/104



Right In: -586.735+/-240.732 χ^2/NDF: 33.9/26

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

Right Out: 392.300+/-243.761 χ^2/NDF: 63.7/30

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

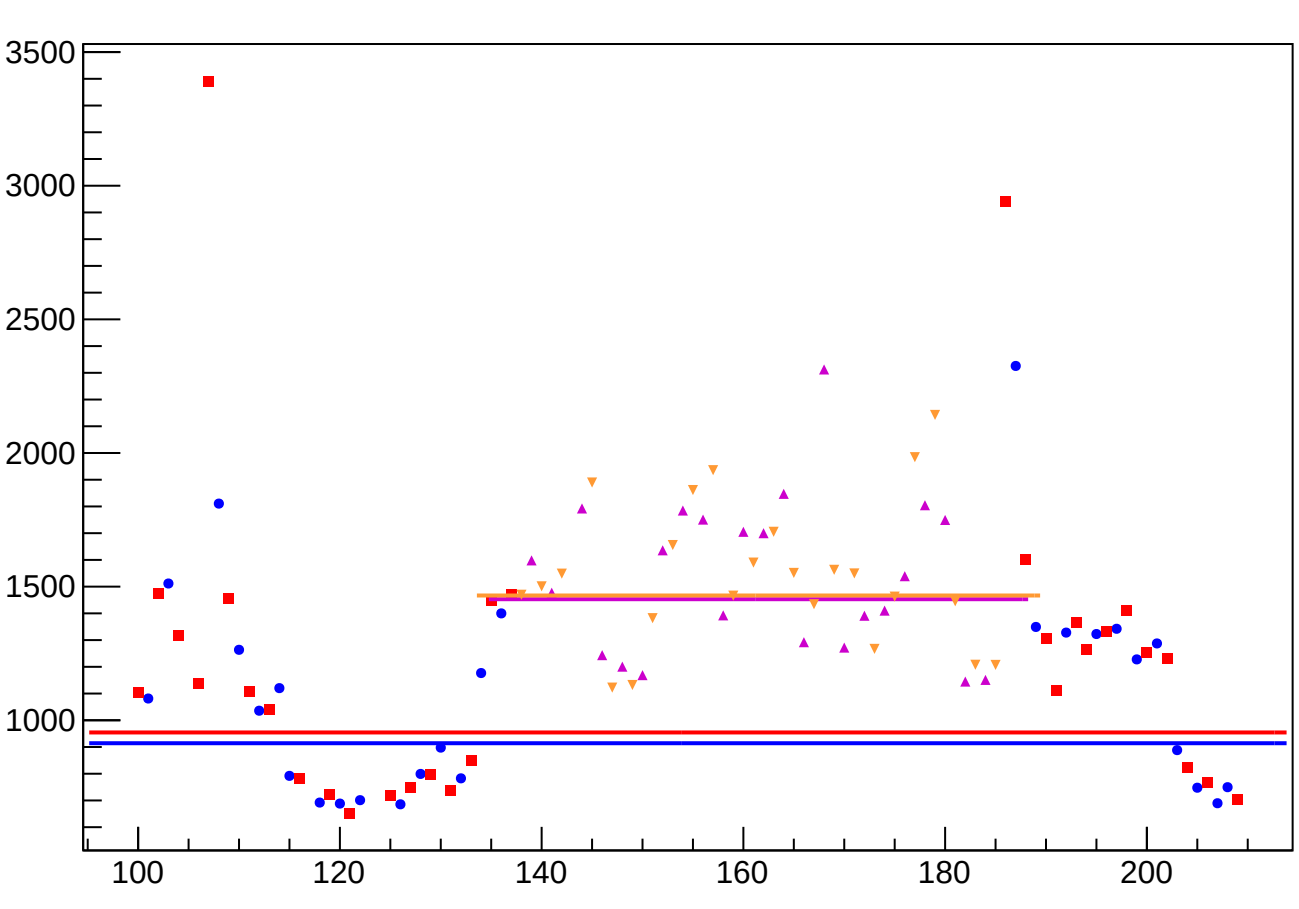
Left: -393.356+/-245.120 χ^2/NDF: 60.6/46

Right: -103.338+/-171.284 χ^2/NDF: 105.8/57

In: -377.596+/-197.601 χ^2/NDF:49.3/49

Out: -15.870+/-199.530 χ^2/NDF:116.4/54

All: -198.489+/-140.402 χ^2/NDF: 167.3/104



Right In: 914.135+/-0.170 χ^2/NDF: 2515404.7/26

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

Right Out: 954.405+/-0.172 χ^2/NDF: 3247517.6/30

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

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

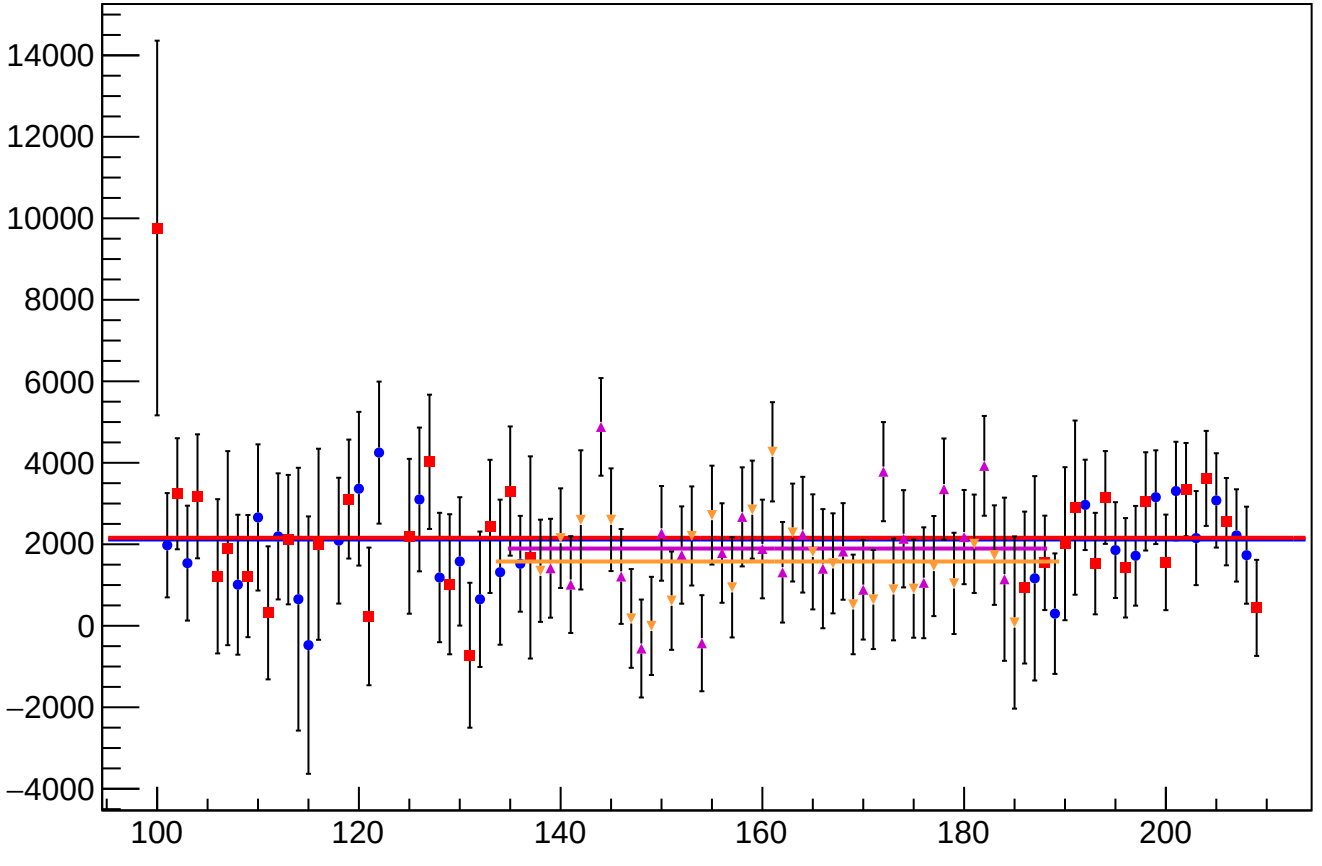
Right: 934.018+/-0.121 χ^2/NDF: 5790555.2/57

In: 1089.922+/-0.140 χ^2/NDF:6913995.7/49

Out: 1123.501+/-0.141 χ^2/NDF:7207440.3/54

All: 1106.548+/-0.099 χ^2/NDF: 14150031.4/1

dit_asym_usl_mean vs Slug, Sign Corrected



Right In: 2117.528+/-275.547 χ^2/NDF: 10.5/26

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

Right Out: 2159.545+/-266.760 χ^2/NDF: 20.3/30

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

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

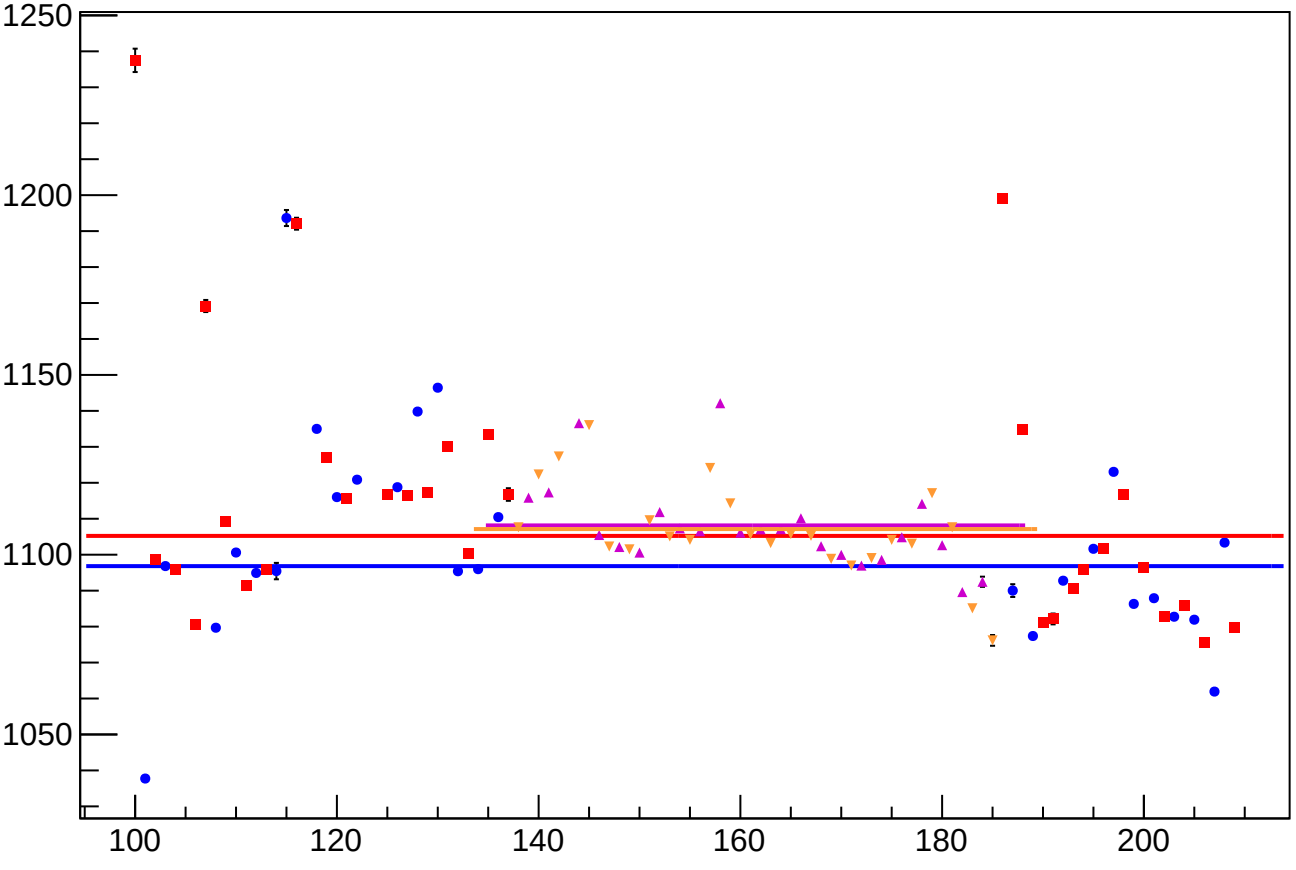
Right: 2139.217+/-191.659 χ^2/NDF: 30.8/57

In: 1999.566+/-188.623 χ^2/NDF:34.9/49

Out: 1857.633+/-185.082 χ^2/NDF:38.3/54

All: 1927.255+/-132.107 χ^2/NDF: 73.6/104

dit_asym_usl_rms vs Slug, Sign Corrected



Right In: 1096.822+/-0.195 χ^2/NDF: 16396.8/26

Left Out: 1107.127+/-0.182 χ^2/NDF:3783.7/23

Right Out: 1105.229+/-0.189 χ^2/NDF: 19855.2/30

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

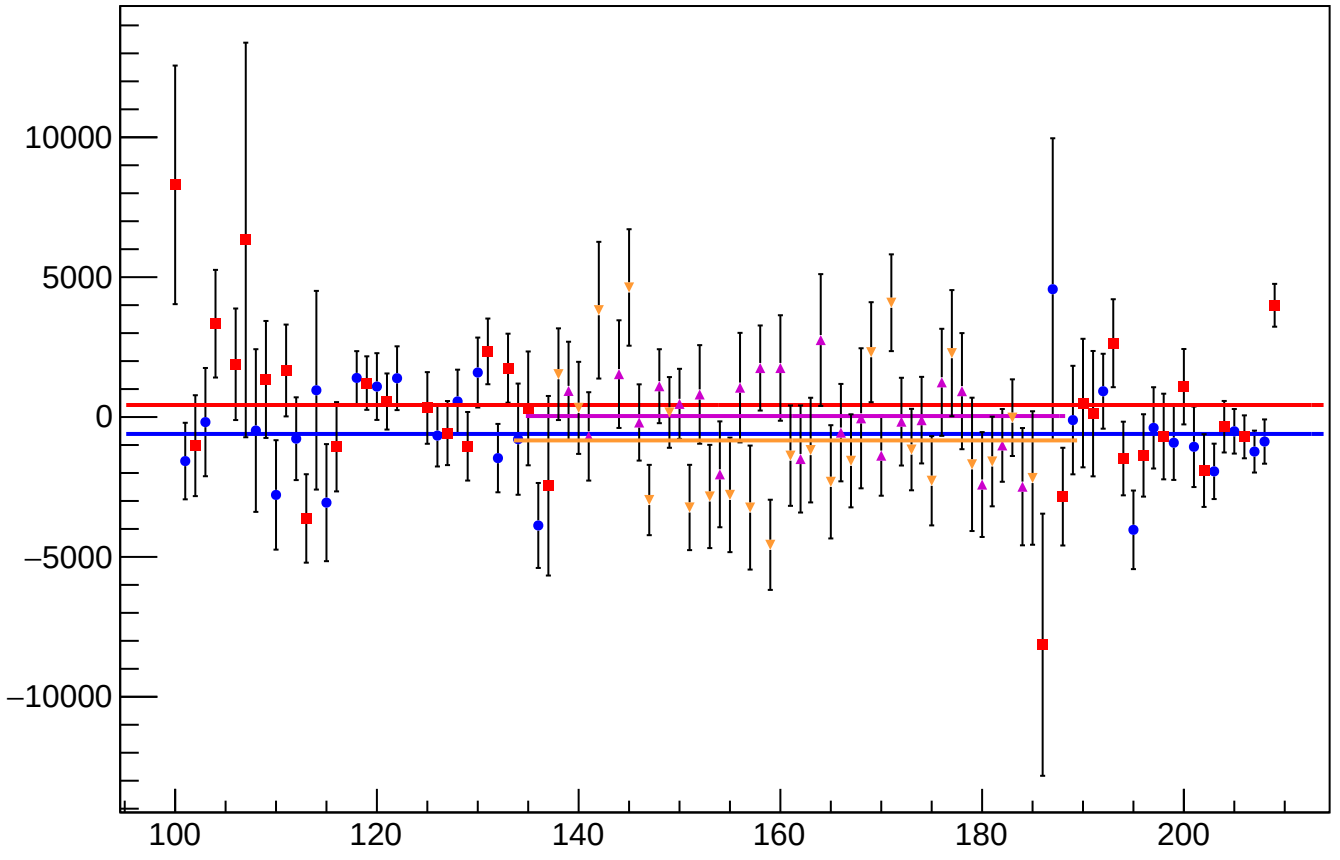
Left: 1107.633+/-0.129 χ^2/NDF: 7989.9/46

Right: 1101.162+/-0.136 χ^2/NDF: 37212.9/57

In: 1102.840+/-0.133 χ^2/NDF:22382.0/49

Out: 1106.213+/-0.131 χ^2/NDF:23691.4/54

All: 1104.558+/-0.093 χ^2/NDF: 46399.3/104



Right In: -604.254+/-242.773 χ^2/NDF: 33.2/26

Left Out: -835.288+/-350.615 χ^2/NDF:43.6/23

Right Out: 430.410+/-246.174 χ^2/NDF: 64.4/30

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

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

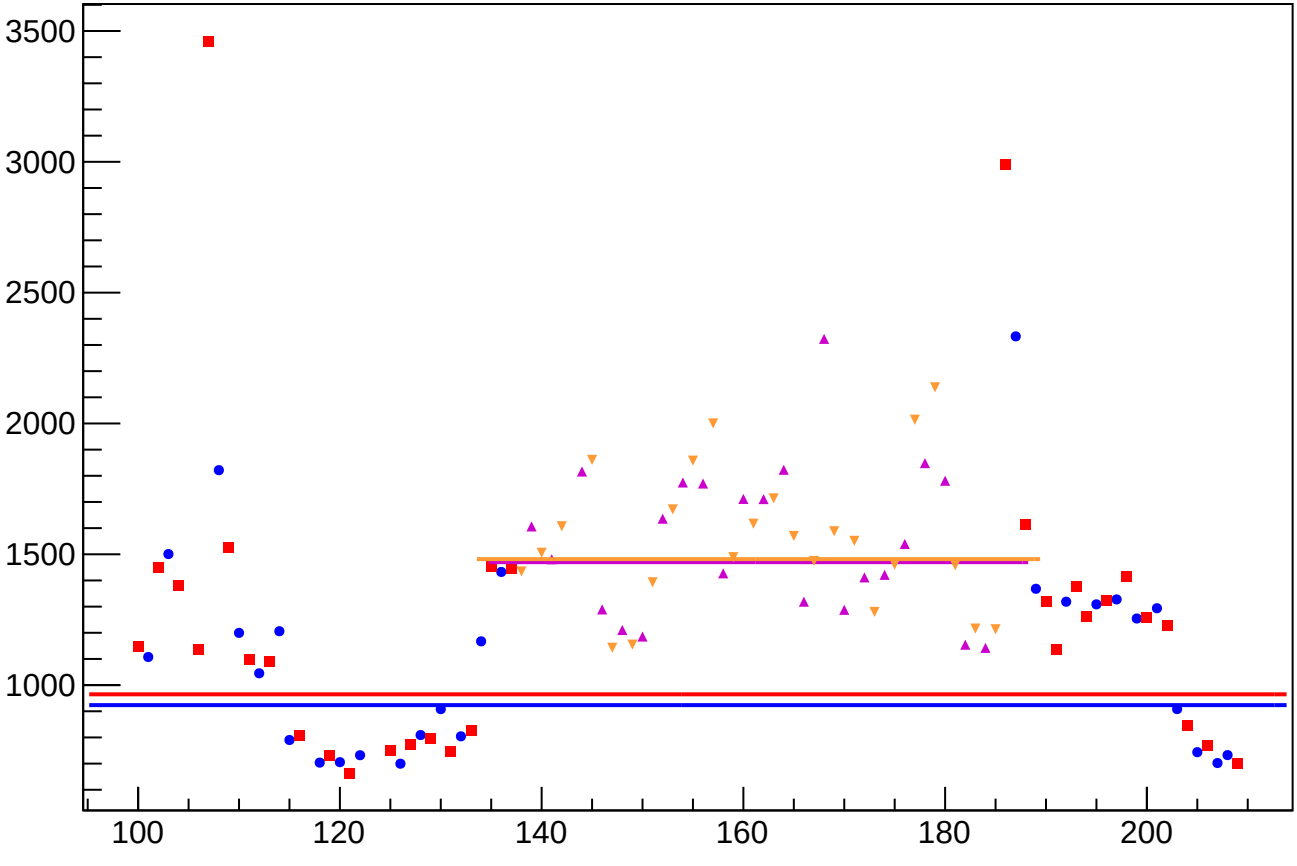
Right: -94.119+/-172.856 χ^2/NDF: 106.5/57

In: -396.138+/-199.414 χ^2/NDF:48.6/49

Out: 12.482+/-201.473 χ^2/NDF:116.7/54

All: -193.926+/-141.729 χ^2/NDF: 167.3/104

asym_usl_dit_correction_rms vs Slug, Sign Corrected



Right In: 923.514+/-0.172 χ^2/NDF: 2455559.2/26

Left Out: 1481.543+/-0.248 χ^2/NDF:1017463.8/23

Right Out: 964.814+/-0.174 χ^2/NDF: 3219204.9/30

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

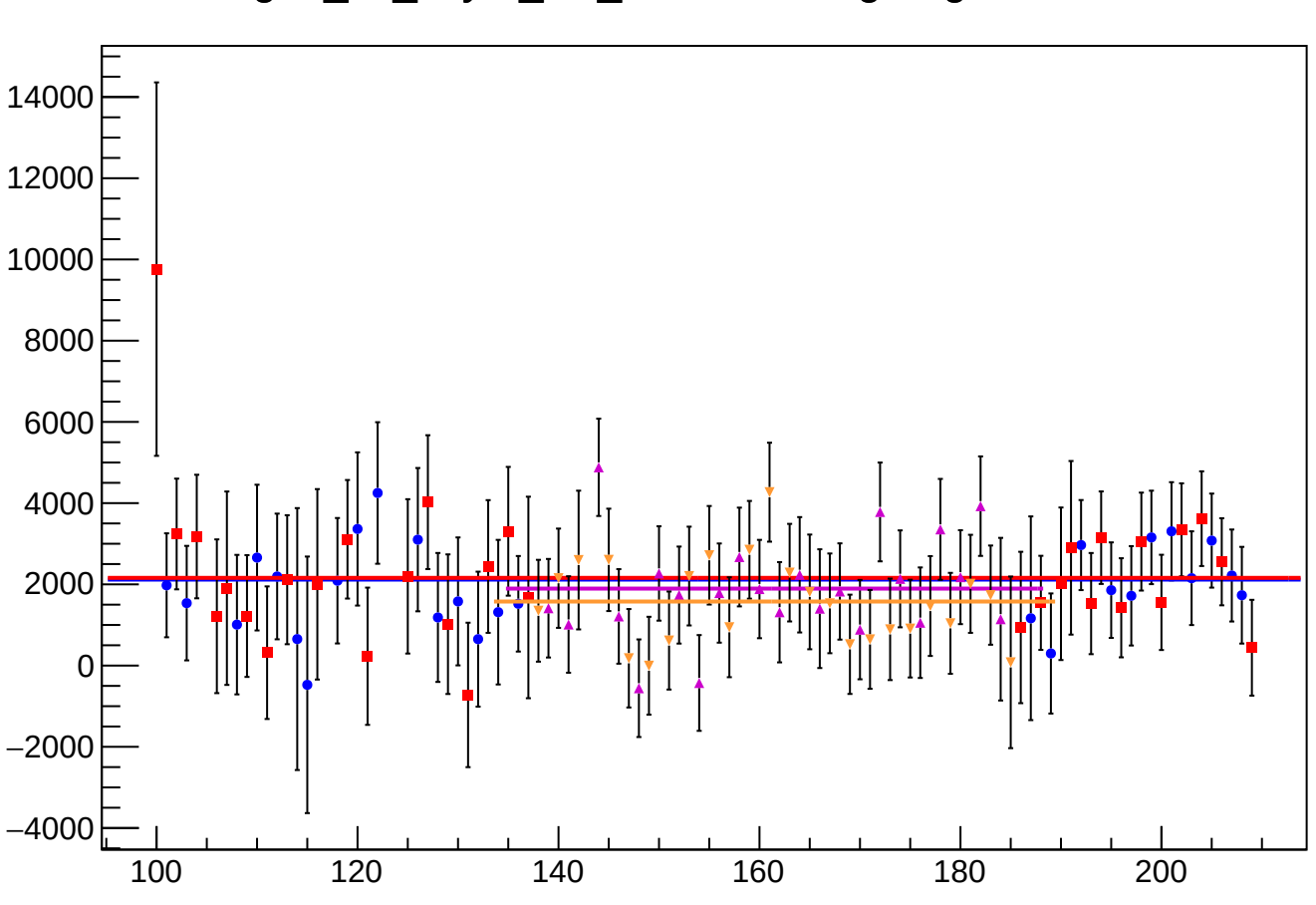
Left: 1475.709+/-0.175 χ^2/NDF: 2113624.9/46

Right: 943.876+/-0.122 χ^2/NDF: 5703301.8/57

In: 1101.254+/-0.141 χ^2/NDF:6846113.6/49

Out: 1135.436+/-0.142 χ^2/NDF:7146336.4/54

All: 1118.169+/-0.100 χ^2/NDF: 14021529.9/1



Right In: 2117.528+/-275.547 χ^2/NDF: 10.5/26

Left Out: 1577.399+/-257.003 χ^2/NDF:15.5/23

Right Out: 2159.544+/-266.760 χ^2/NDF: 20.3/30

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

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

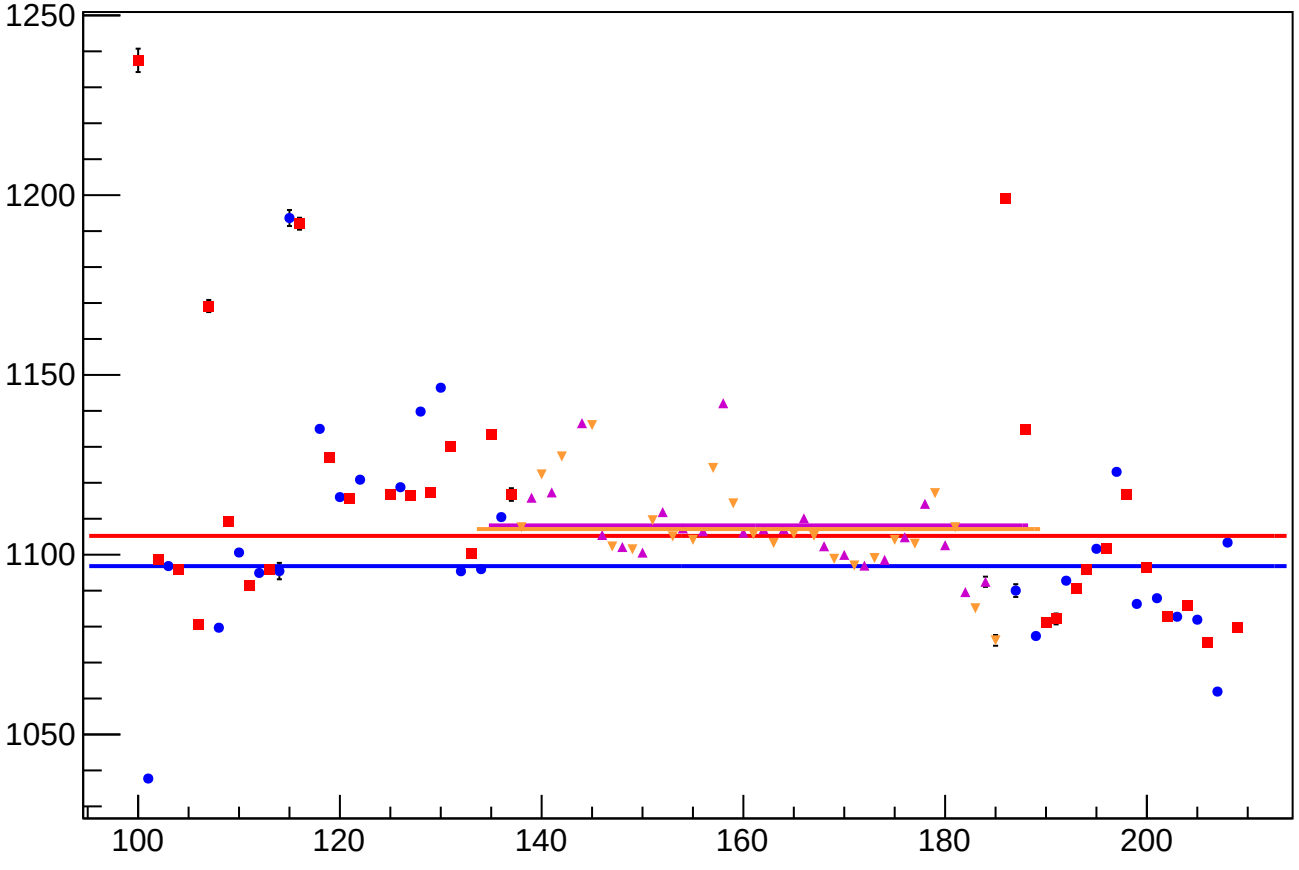
Right: 2139.216+/-191.659 χ^2/NDF: 30.8/57

In: 1999.567+/-188.623 χ^2/NDF:34.9/49

Out: 1857.631+/-185.082 χ^2/NDF:38.3/54

All: 1927.254+/-132.107 χ^2/NDF: 73.6/104

eigen_dit_asym_usl_rms vs Slug, Sign Corrected



Right In: 1096.822+/-0.195 χ^2/NDF: 16396.8/26

Left Out: 1107.127+/-0.182 χ^2/NDF:3783.7/23

Right Out: 1105.229+/-0.189 χ^2/NDF: 19855.1/30

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

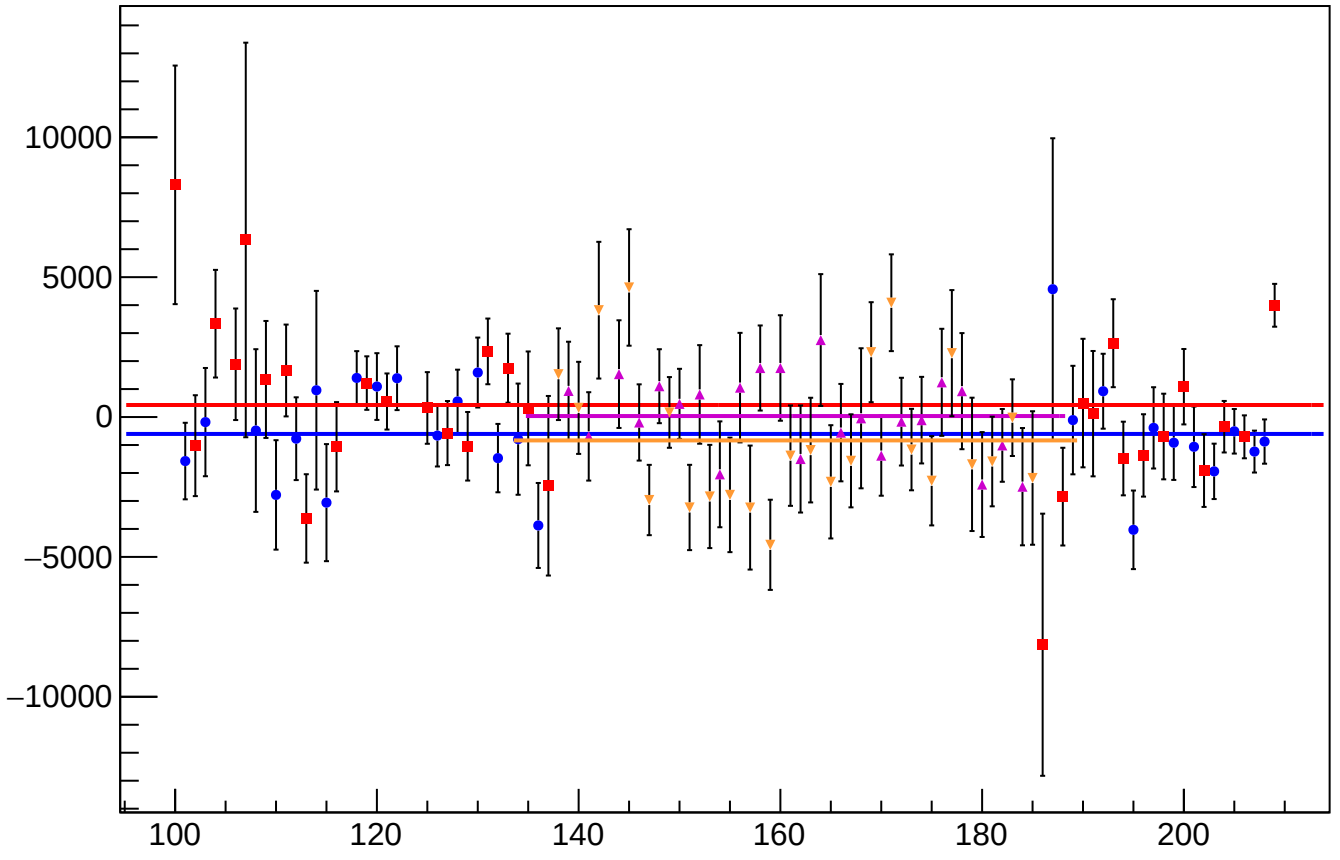
Left: 1107.633+/-0.129 χ^2/NDF: 7989.9/46

Right: 1101.162+/-0.136 χ^2/NDF: 37212.9/57

In: 1102.840+/-0.133 χ^2/NDF:22382.0/49

Out: 1106.213+/-0.131 χ^2/NDF:23691.3/54

All: 1104.558+/-0.093 χ^2/NDF: 46399.3/104



Right In: -604.252+/-242.773 χ^2/NDF: 33.2/26

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

Right Out: 430.409+/-246.174 χ^2/NDF: 64.4/30

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

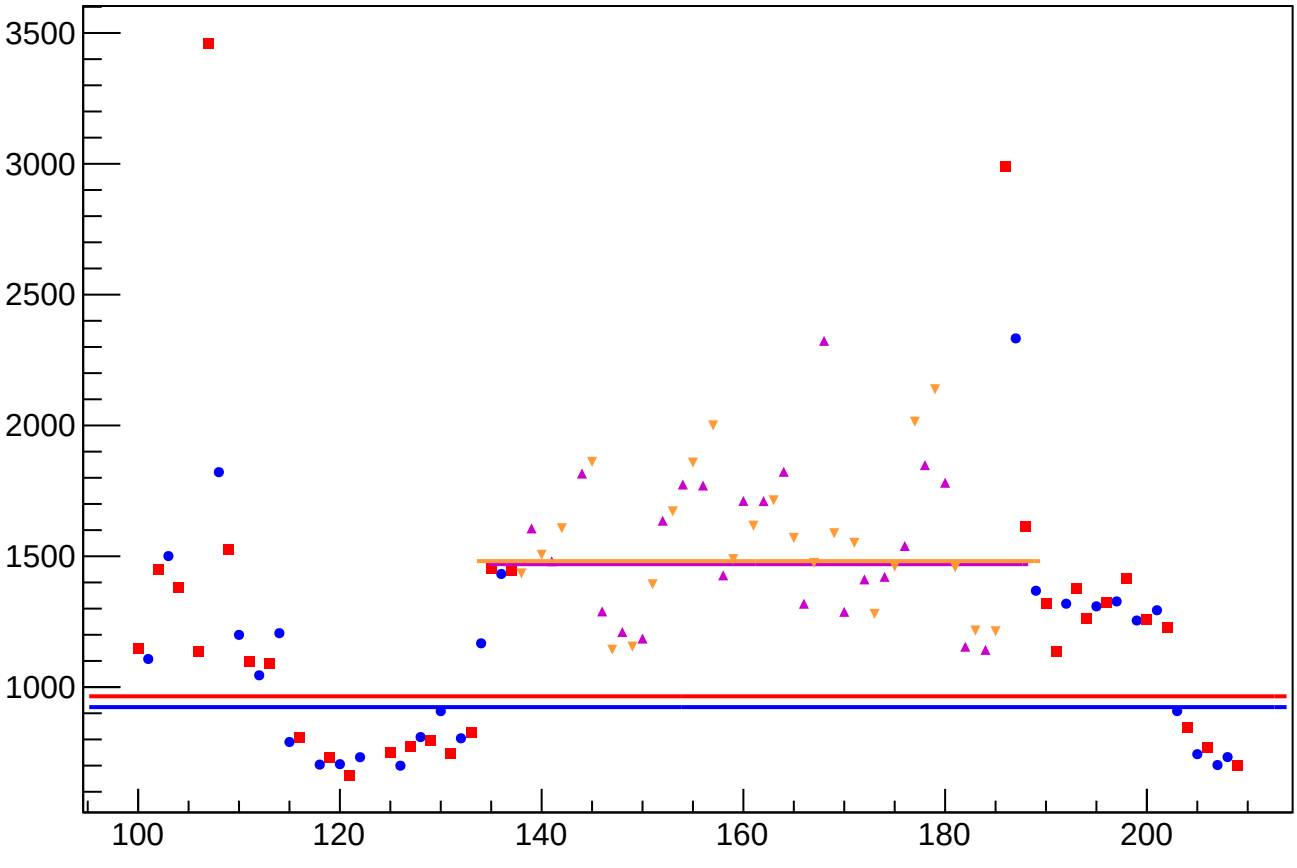
Left: -398.669+/-247.576 χ^2/NDF: 59.8/46

Right: -94.118+/-172.856 χ^2/NDF: 106.5/57

In: -396.137+/-199.414 χ^2/NDF:48.6/49

Out: 12.481+/-201.473 χ^2/NDF:116.7/54

All: -193.926+/-141.729 χ^2/NDF: 167.3/104



Right In: 923.513+/-0.172 χ^2/NDF: 2455561.9/26

Left Out: 1481.545+/-0.248 χ^2/NDF:1017460.8/23

Right Out: 964.813+/-0.174 χ^2/NDF: 3219209.5/30

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

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

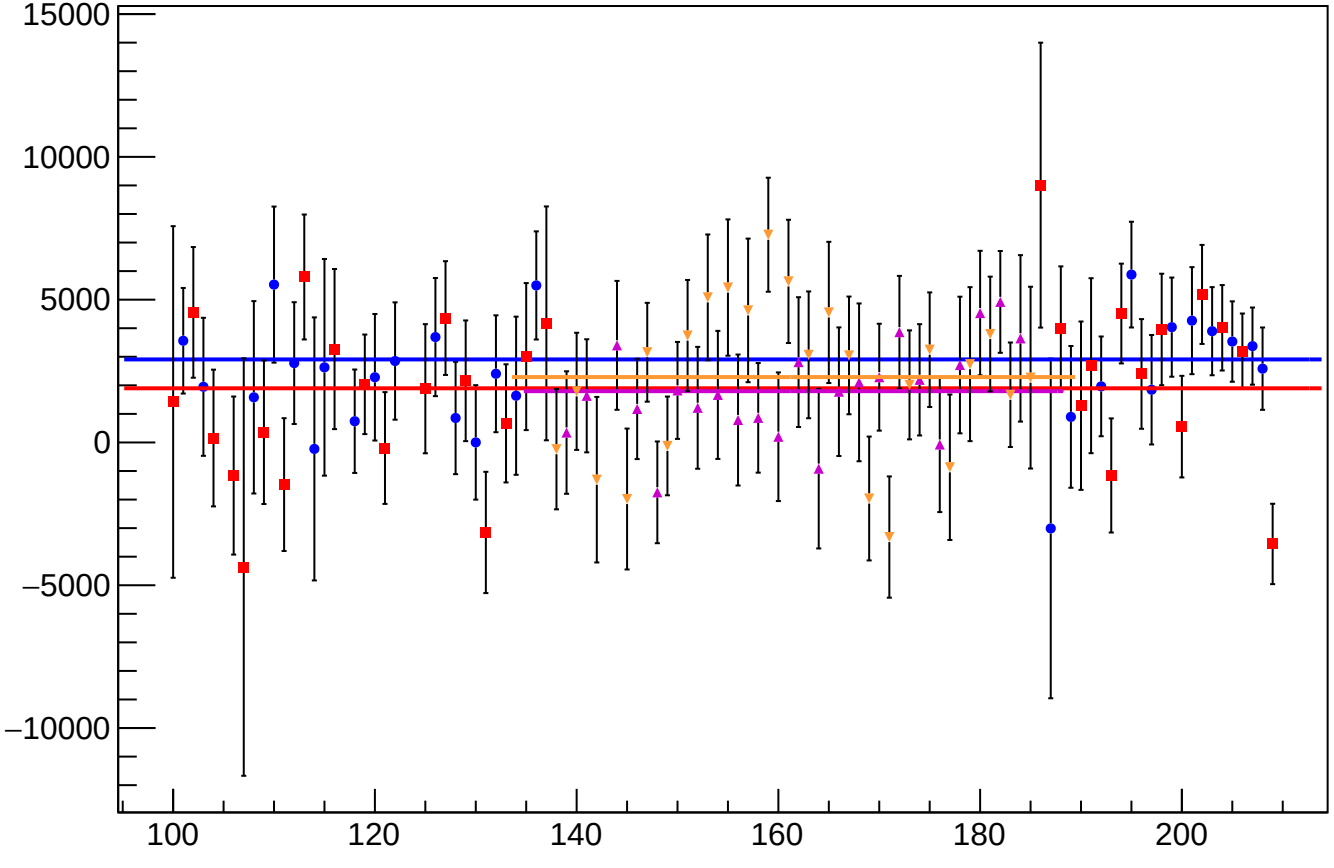
Right: 943.876+/-0.122 χ^2/NDF: 5703308.8/57

In: 1101.254+/-0.141 χ^2/NDF:6846135.5/49

Out: 1135.435+/-0.142 χ^2/NDF:7146362.5/54

All: 1118.169+/-0.100 χ^2/NDF: 14021577.7/1

asym_usl_mean vs Slug, Sign Corrected



Right In: 2907.331+/-383.177 χ^2/NDF: 15.4/26

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

Right Out: 1896.125+/-380.366 χ^2/NDF: 49.9/30

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

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

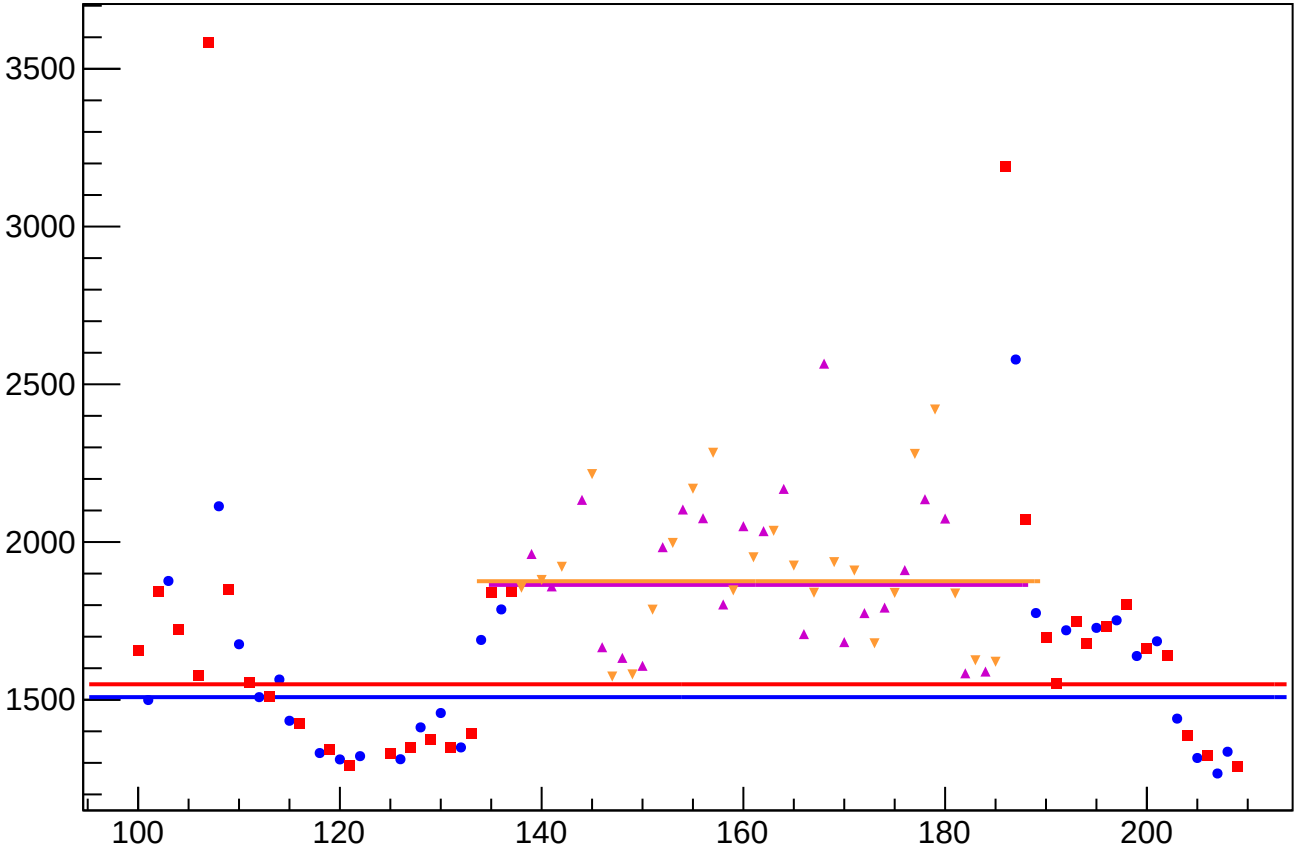
Right: 2398.004+/-269.948 χ^2/NDF: 68.8/57

In: 2427.085+/-288.720 χ^2/NDF:33.2/49

Out: 2064.748+/-287.563 χ^2/NDF:86.4/54

All: 2245.189+/-203.745 χ^2/NDF: 120.4/104

asym_usl_rms vs Slug, Sign Corrected



Right In: 1508.375+/-0.271 χ^2/NDF: 600548.3/26

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

Right Out: 1549.110+/-0.269 χ^2/NDF: 996236.7/30

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

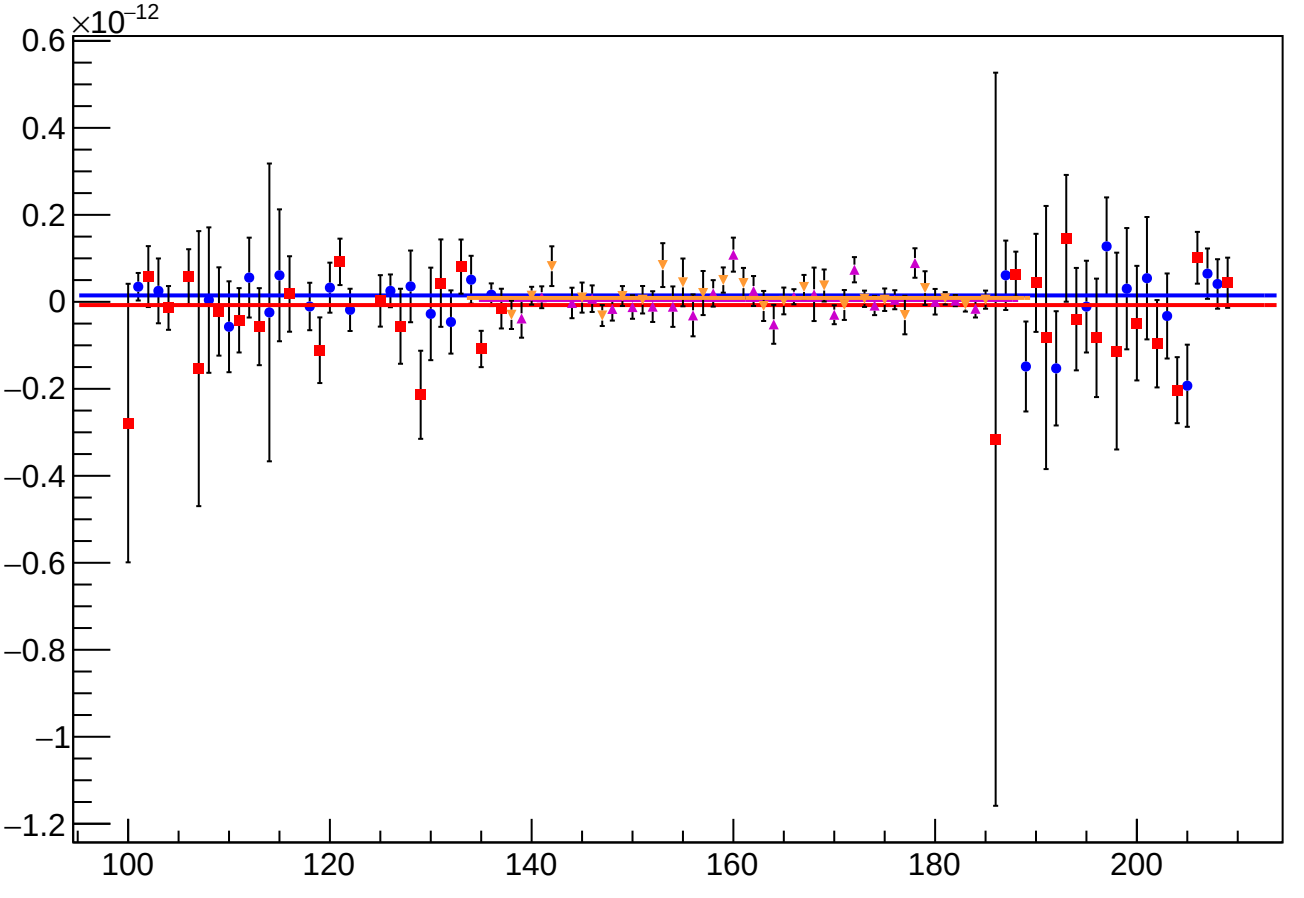
Left: 1869.988+/-0.220 χ^2/NDF: 983860.8/46

Right: 1528.892+/-0.191 χ^2/NDF: 1608169.4/57

In: 1662.166+/-0.204 χ^2/NDF:1856482.8/49

Out: 1689.084+/-0.203 χ^2/NDF:2100967.2/54

All: 1675.679+/-0.144 χ^2/NDF: 3966177.1/10



Right In: 0.000+/-0.000 χ^2/NDF: 15.1/26

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

Right Out: -0.000+/-0.000 χ^2/NDF: 37.2/30

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

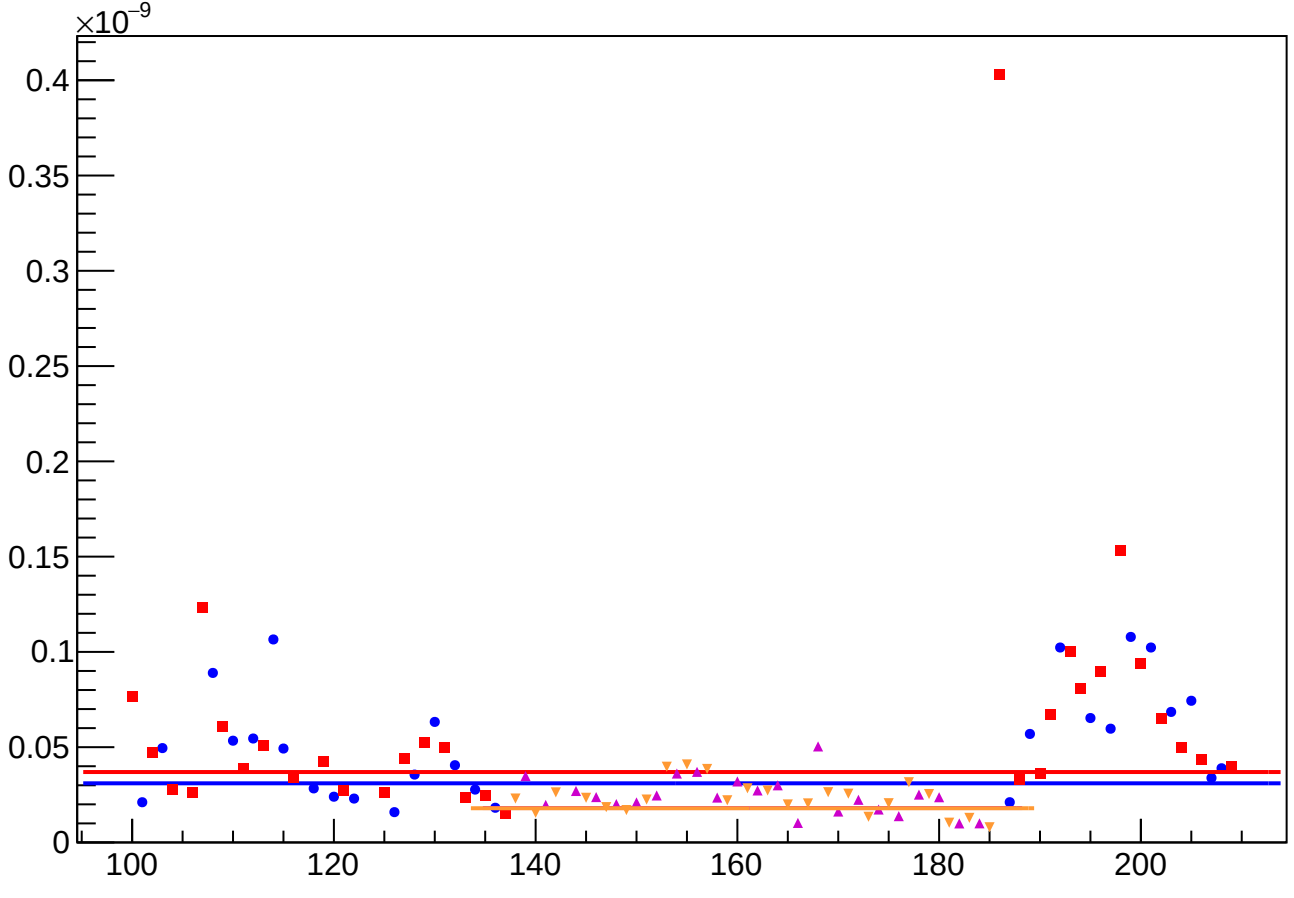
Left: 0.000+/-0.000 χ^2/NDF: 45.1/46

Right: 0.000+/-0.000 χ^2/NDF: 53.8/57

In: 0.000+/-0.000 χ^2/NDF:43.8/49

Out: 0.000+/-0.000 χ^2/NDF:55.0/54

All: 0.000+/-0.000 χ^2/NDF: 98.8/104



Right In: 0.000+/-0.000 χ^2/NDF: 4999723.3/26

Left Out: 0.000+/-0.000 χ^2/NDF:3491055.7/23

Right Out: 0.000+/-0.000 χ^2/NDF: 3980298.1/30

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

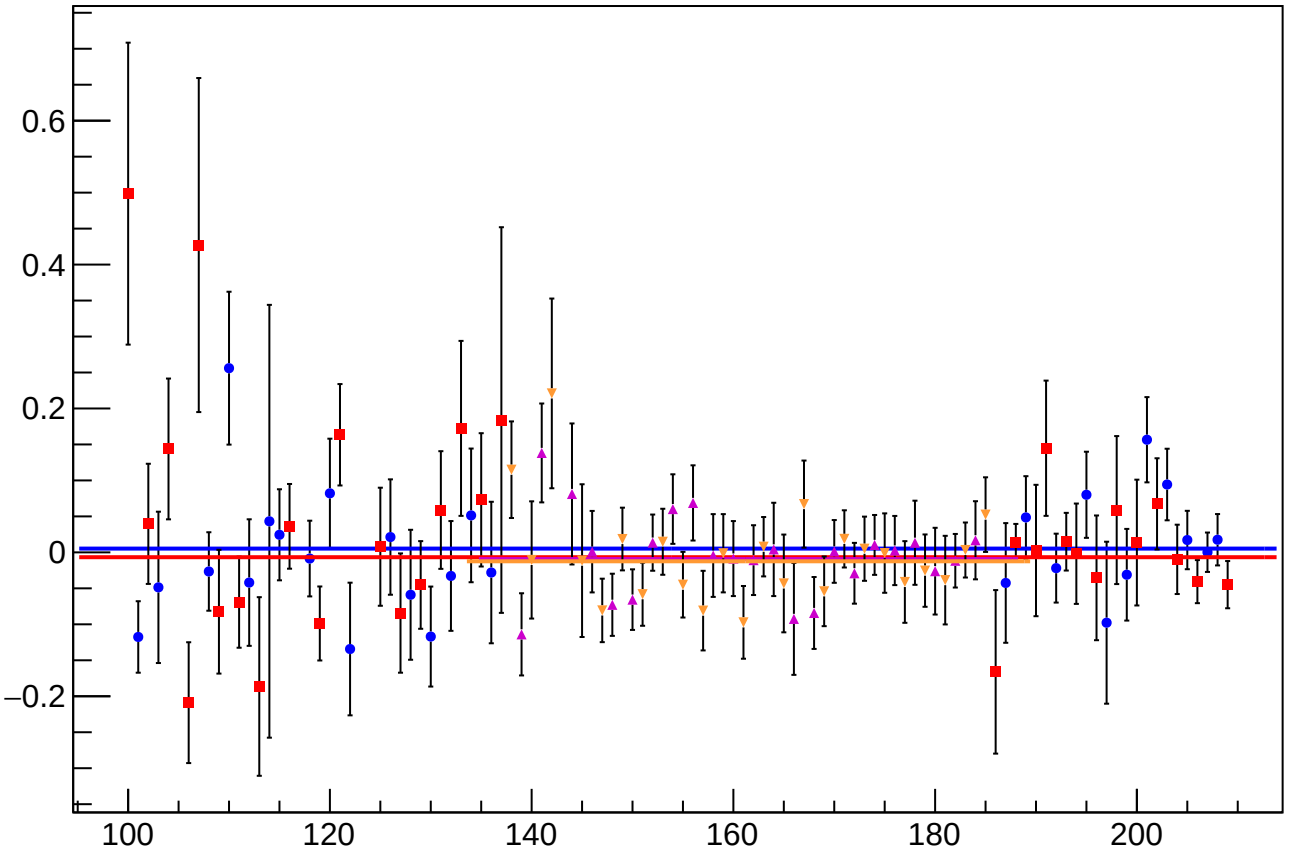
Left: 0.000+/-0.000 χ^2/NDF: 7671624.5/46

Right: 0.000+/-0.000 χ^2/NDF: 9192723.1/57

In: 0.000+/-0.000 χ^2/NDF:11095445.6/49

Out: 0.000+/-0.000 χ^2/NDF:10847249.6/54

All: 0.000+/-0.000 χ^2/NDF: 21946491.9/104



Right In: 0.005+/-0.011 χ^2/NDF: 34.2/26

Left Out: -0.012+/-0.010 χ^2/NDF:21.9/23

Right Out: -0.007+/-0.011 χ^2/NDF: 46.6/30

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

Left: -0.011+/-0.007 χ^2/NDF: 43.9/46

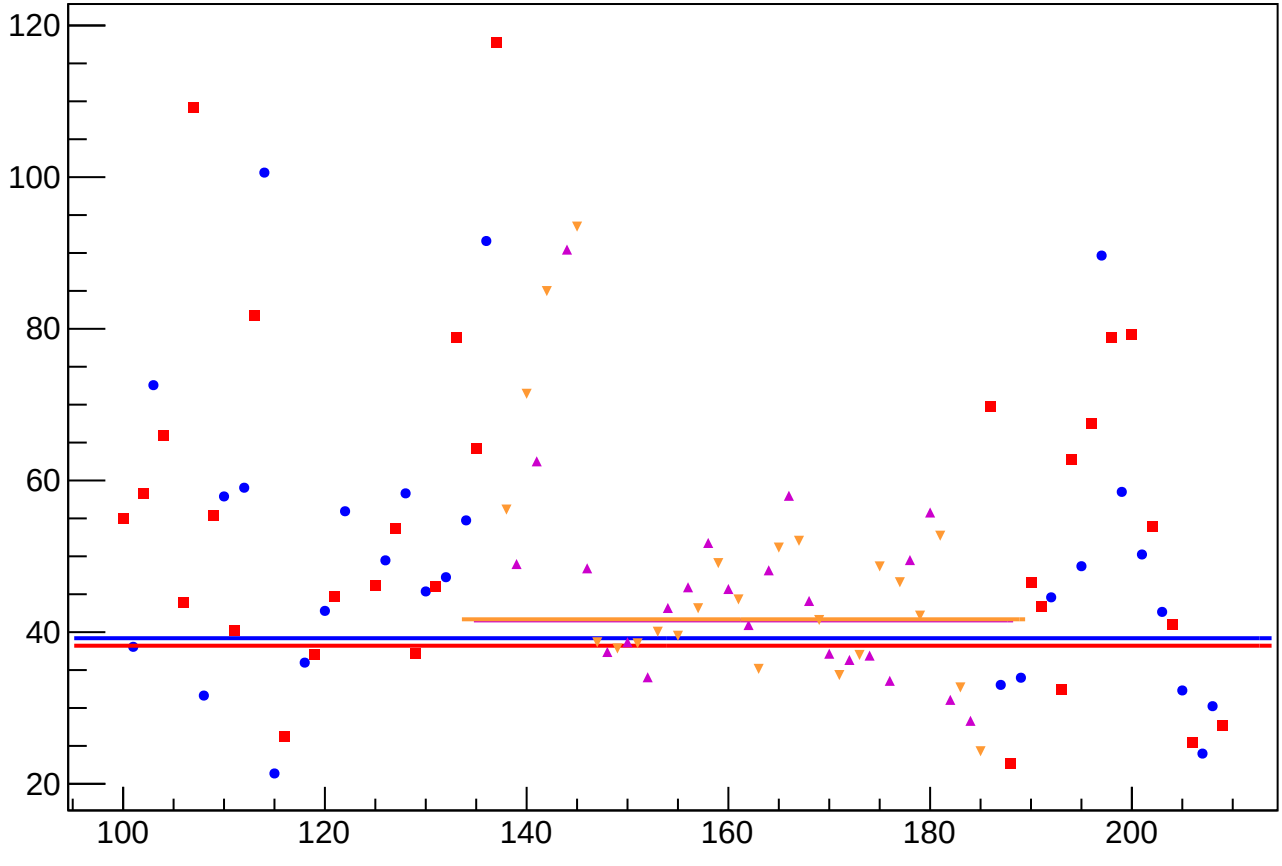
Right: -0.001+/-0.008 χ^2/NDF: 81.4/57

In: -0.003+/-0.008 χ^2/NDF:57.0/49

Out: -0.010+/-0.008 χ^2/NDF:68.6/54

All: -0.006+/-0.005 χ^2/NDF: 126.1/104

asym_usl_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 39.202+/-0.008 χ^2/NDF: 3077320.0/26

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

Right Out: 38.212+/-0.008 χ^2/NDF: 4412684.8/30

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

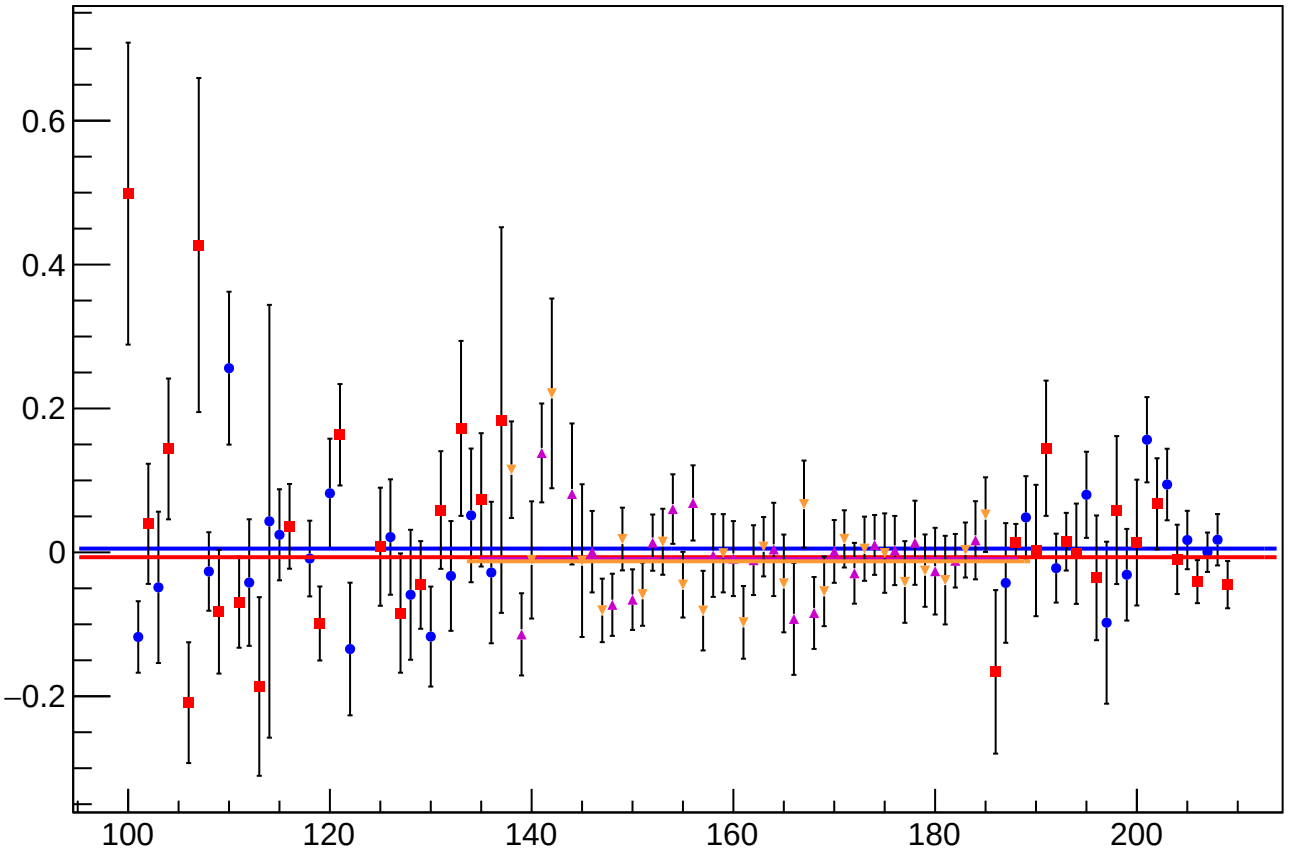
Left: 41.622+/-0.005 χ^2/NDF: 3434958.6/46

Right: 38.689+/-0.006 χ^2/NDF: 7497867.6/57

In: 40.471+/-0.005 χ^2/NDF:4736469.6/49

Out: 40.029+/-0.005 χ^2/NDF:6339847.8/54

All: 40.246+/-0.004 χ^2/NDF: 11079662.9/104



Right In: 0.005+/-0.011 χ^2/NDF: 34.2/26

Left Out: -0.012+/-0.010 χ^2/NDF:21.9/23

Right Out: -0.007+/-0.011 χ^2/NDF: 46.6/30

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

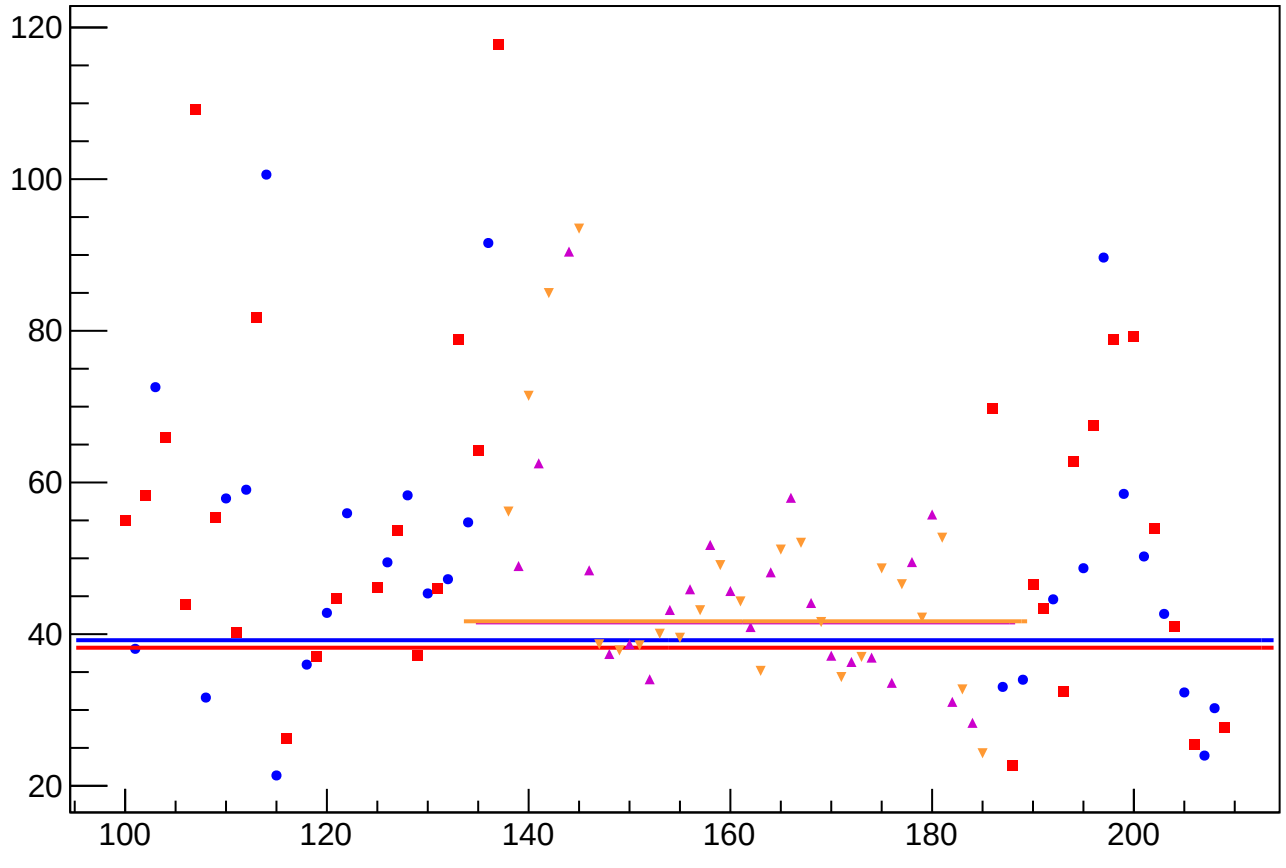
Left: -0.011+/-0.007 χ^2/NDF: 43.9/46

Right: -0.001+/-0.008 χ^2/NDF: 81.4/57

In: -0.003+/-0.008 χ^2/NDF:57.0/49

Out: -0.010+/-0.008 χ^2/NDF:68.6/54

All: -0.006+/-0.005 χ^2/NDF: 126.1/104



Right In: 39.202+/-0.008 χ^2/NDF: 3077320.0/26

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

Right Out: 38.212+/-0.008 χ^2/NDF: 4412684.8/30

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

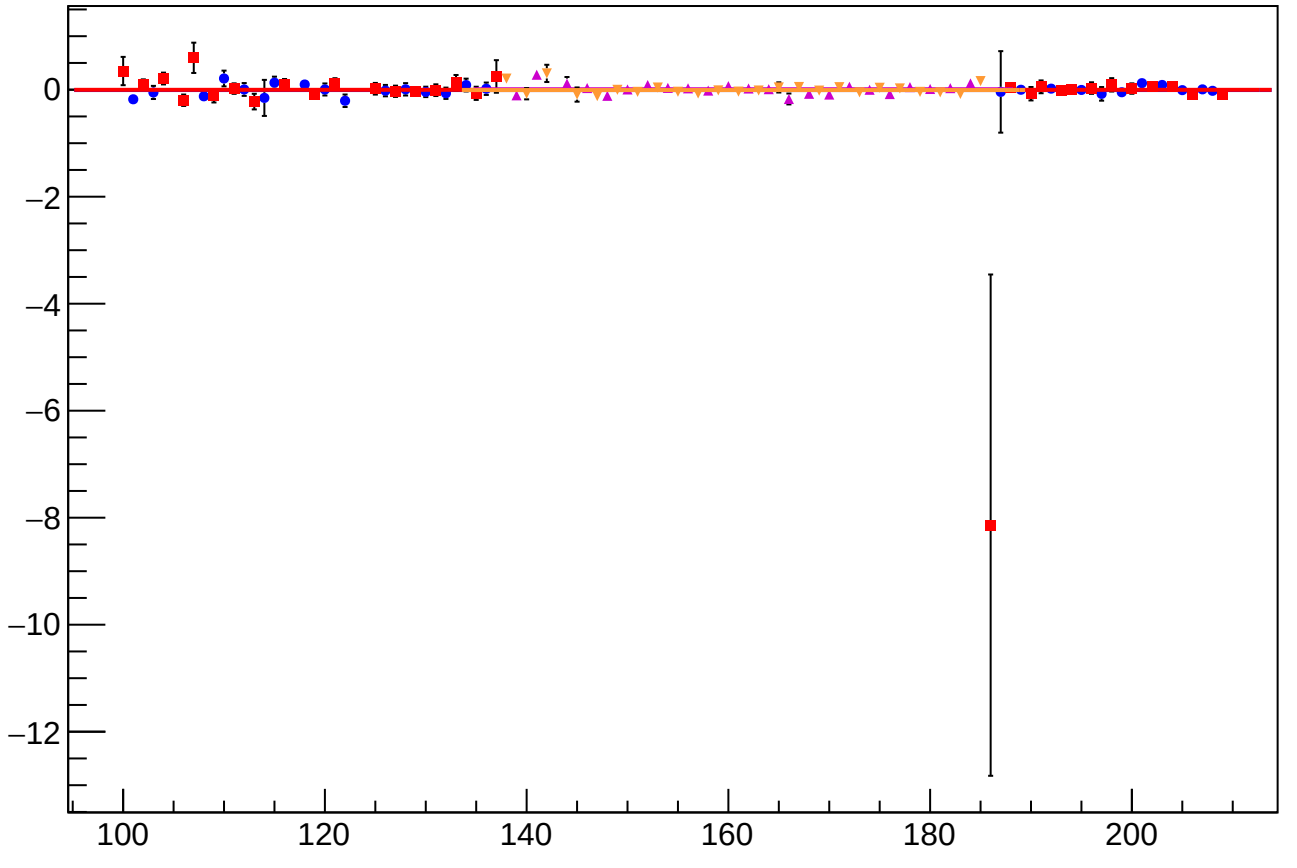
Left: 41.622+/-0.005 χ^2/NDF: 3434958.6/46

Right: 38.689+/-0.006 χ^2/NDF: 7497867.6/57

In: 40.471+/-0.005 χ^2/NDF:4736469.6/49

Out: 40.029+/-0.005 χ^2/NDF:6339847.8/54

All: 40.246+/-0.004 χ^2/NDF: 11079662.9/104



Right In: -0.006+/-0.016 χ^2/NDF: 24.6/26

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

Right Out: -0.002+/-0.016 χ^2/NDF: 35.9/30

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

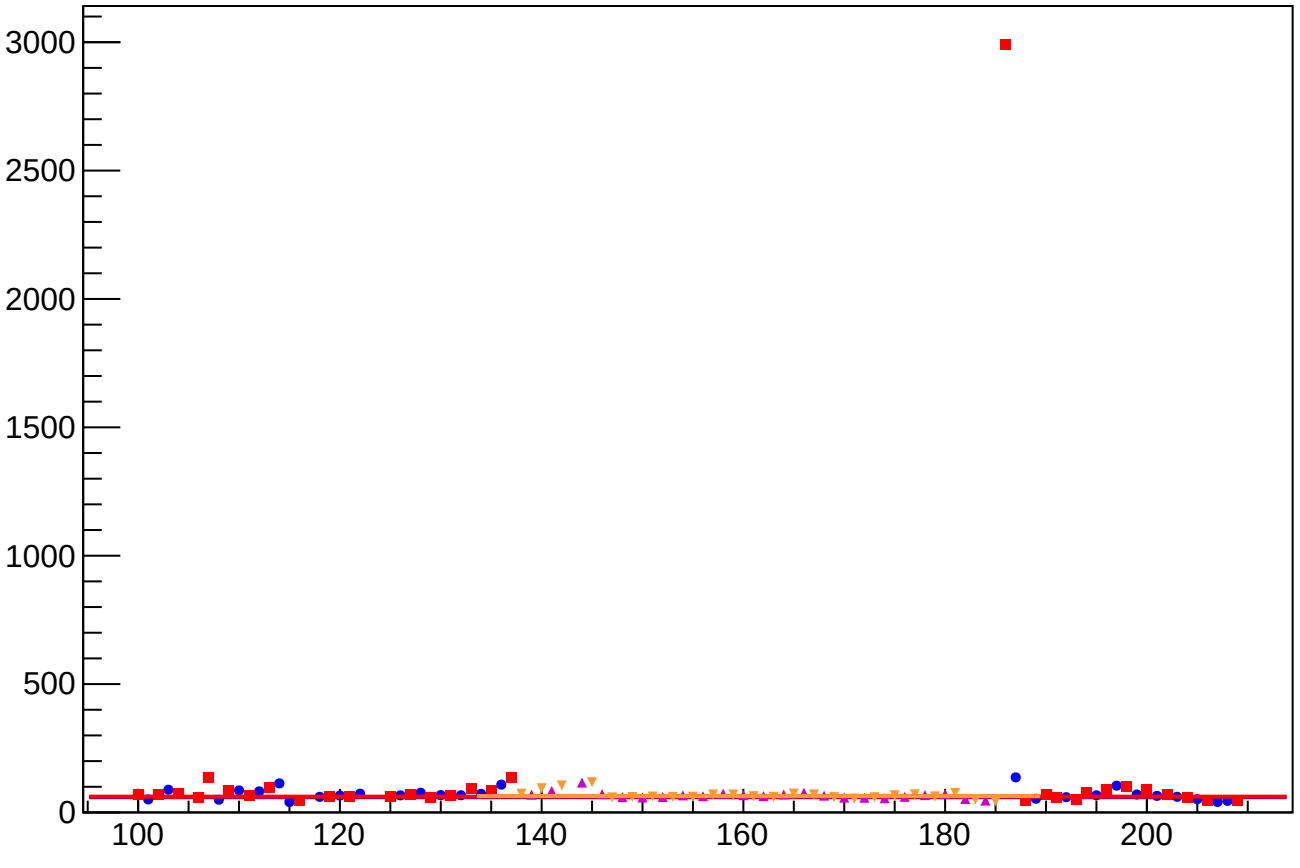
Left: 0.000+/-0.011 χ^2/NDF: 52.2/46

Right: -0.004+/-0.012 χ^2/NDF: 60.5/57

In: 0.001+/-0.011 χ^2/NDF:53.1/49

Out: -0.005+/-0.011 χ^2/NDF:59.6/54

All: -0.002+/-0.008 χ^2/NDF: 112.8/104



Right In: 59.387+/-0.011 χ^2/NDF: 1782197.8/26

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

Right Out: 61.514+/-0.012 χ^2/NDF: 2714284.7/30

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

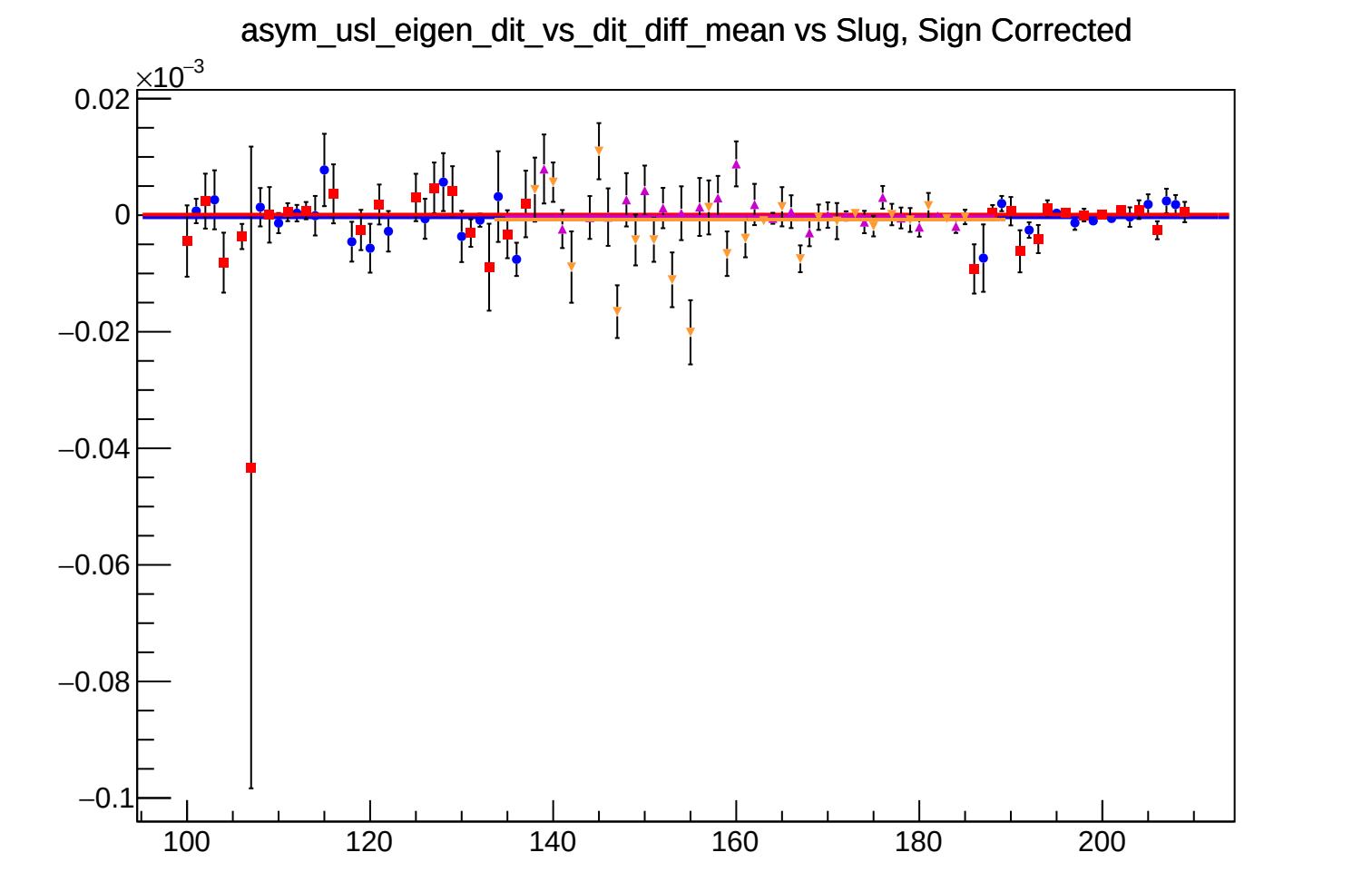
Left: 63.907+/-0.008 χ^2/NDF: 1917889.6/46

Right: 60.448+/-0.008 χ^2/NDF: 4513562.2/57

In: 61.823+/-0.008 χ^2/NDF:2706723.8/49

Out: 62.710+/-0.008 χ^2/NDF:3813497.2/54

All: 62.267+/-0.006 χ^2/NDF: 6526485.9/104



Right In: -0.000+/-0.000 χ^2/NDF: 32.3/26

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

Right Out: 0.000+/-0.000 χ^2/NDF: 31.7/30

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

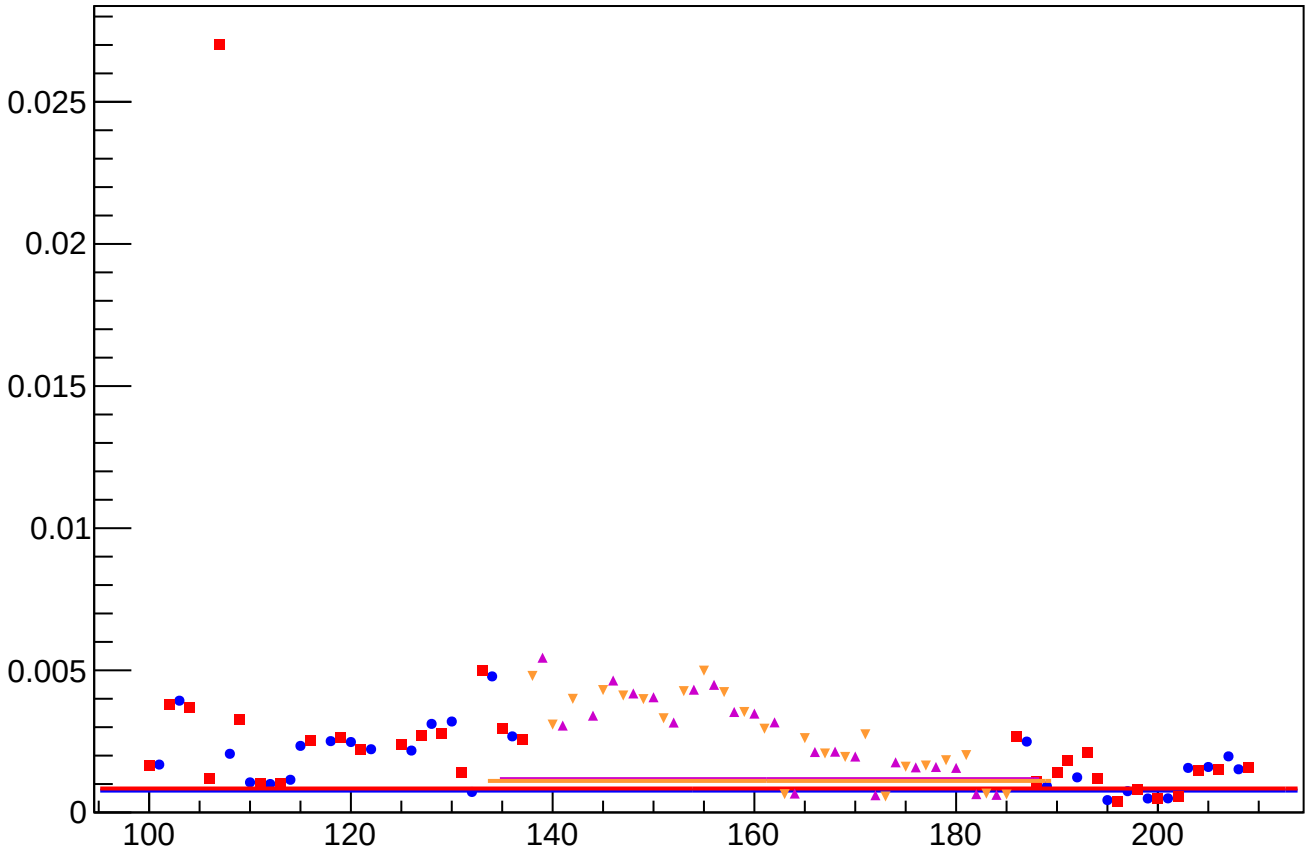
Left: -0.000+/-0.000 χ^2/NDF: 79.8/46

Right: -0.000+/-0.000 χ^2/NDF: 65.6/57

In: -0.000+/-0.000 χ^2/NDF:51.1/49

Out: -0.000+/-0.000 χ^2/NDF:95.6/54

All: -0.000+/-0.000 χ^2/NDF: 146.9/104



Right In: 0.001+/-0.000 χ^2/NDF: 10123381.6/26

Left Out: 0.001+/-0.000 χ^2/NDF:15160045.8/23

Right Out: 0.001+/-0.000 χ^2/NDF: 10949274.4/30

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

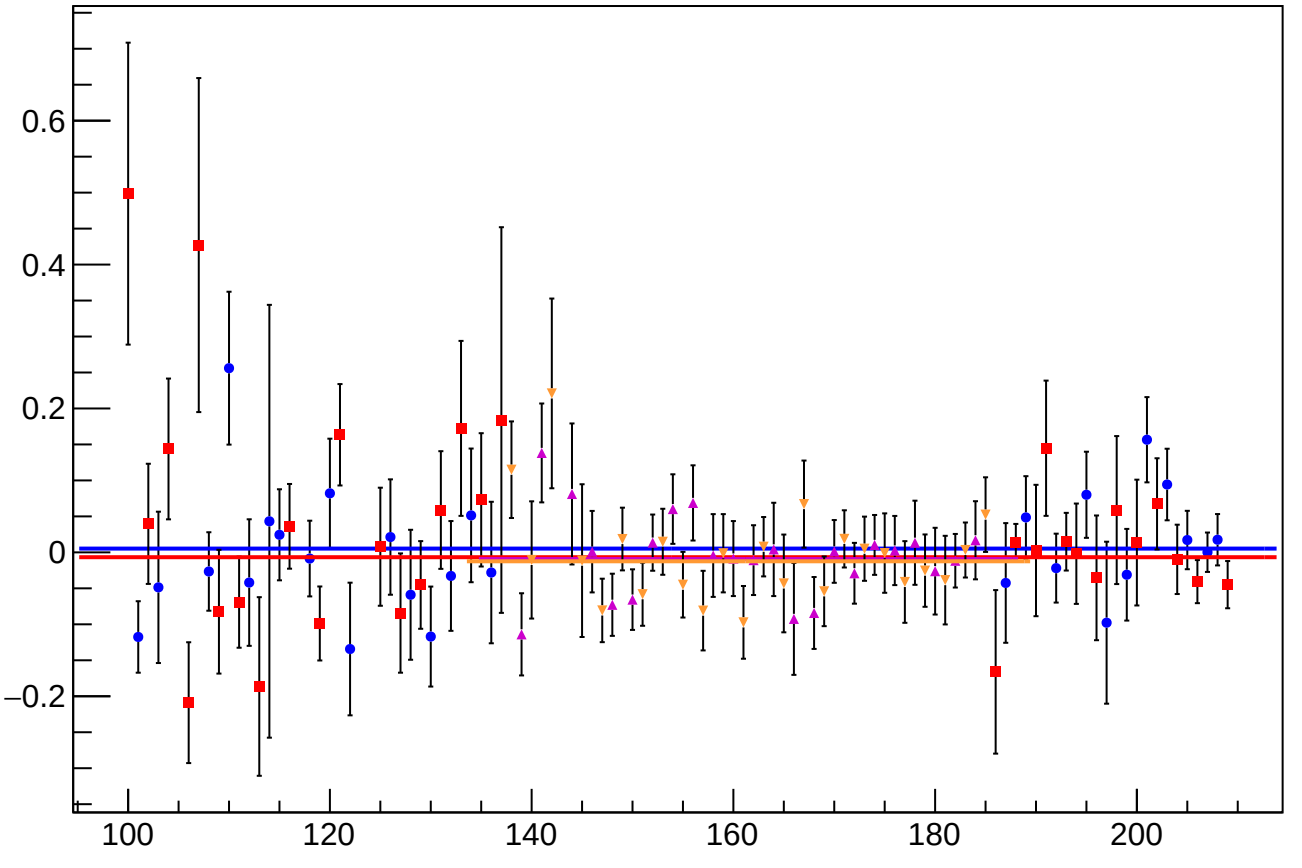
Left: 0.001+/-0.000 χ^2/NDF: 29445135.6/46

Right: 0.001+/-0.000 χ^2/NDF: 21155936.2/57

In: 0.001+/-0.000 χ^2/NDF:26100085.1/49

Out: 0.001+/-0.000 χ^2/NDF:26871134.3/54

All: 0.001+/-0.000 χ^2/NDF: 53019347.3/104



Right In: 0.005+/-0.011 χ^2/NDF: 34.2/26

Left Out: -0.012+/-0.010 χ^2/NDF:21.9/23

Right Out: -0.007+/-0.011 χ^2/NDF: 46.6/30

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

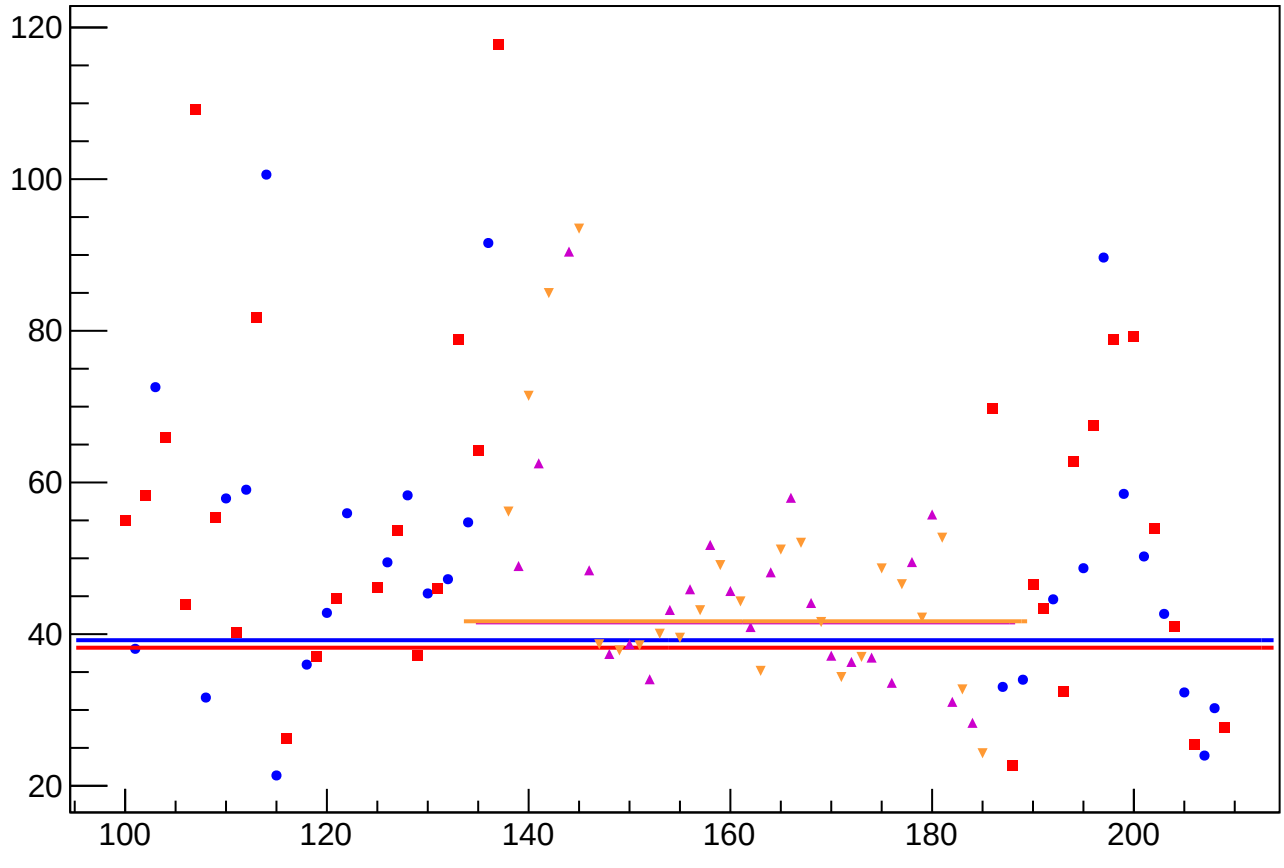
Left: -0.011+/-0.007 χ^2/NDF: 43.9/46

Right: -0.001+/-0.008 χ^2/NDF: 81.4/57

In: -0.003+/-0.008 χ^2/NDF:57.0/49

Out: -0.010+/-0.008 χ^2/NDF:68.6/54

All: -0.006+/-0.005 χ^2/NDF: 126.1/104



Right In: 39.202+/-0.008 χ^2/NDF: 3077303.5/26

Left Out: 41.695+/-0.007 χ^2/NDF:1821753.6/23

Right Out: 38.212+/-0.008 χ^2/NDF: 4412582.3/30

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

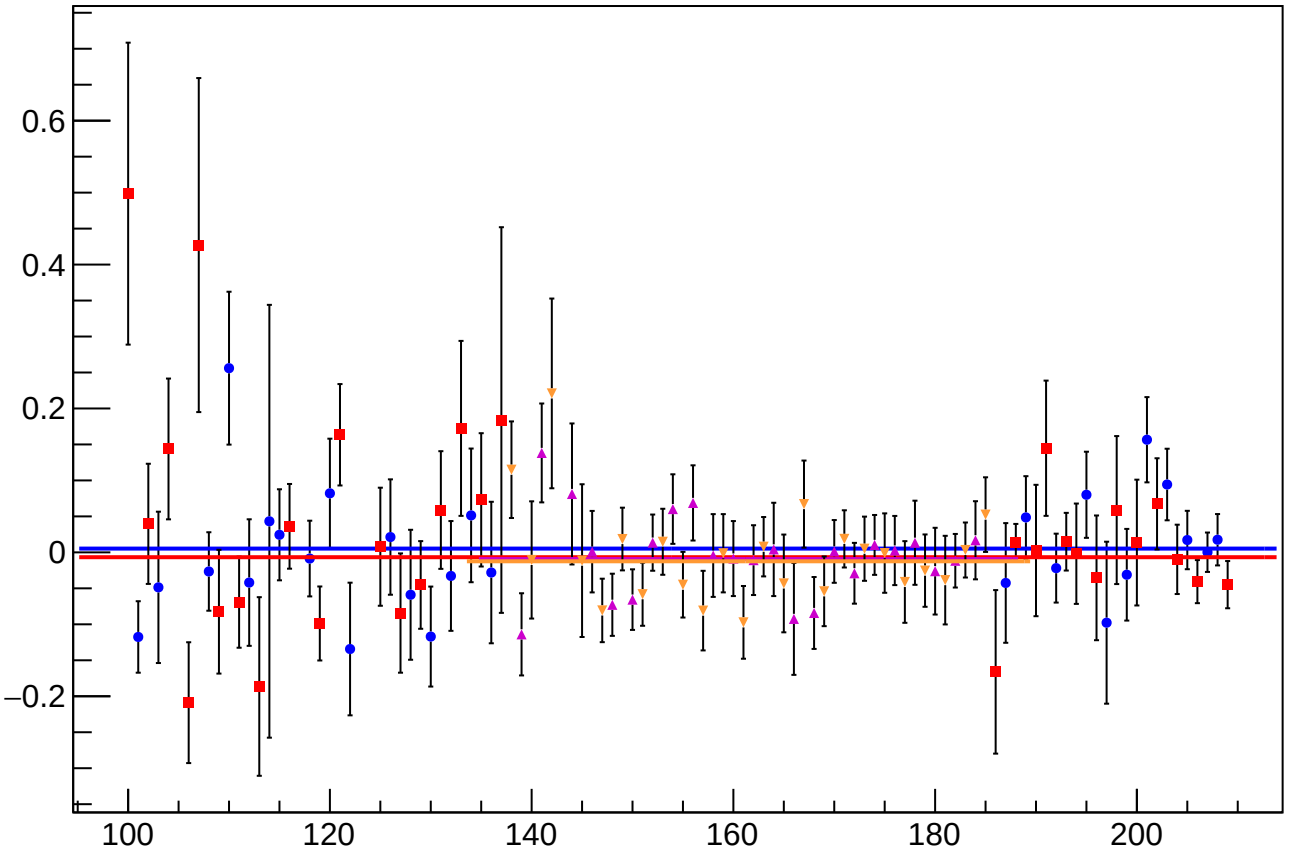
Left: 41.623+/-0.005 χ^2/NDF: 3434883.2/46

Right: 38.689+/-0.006 χ^2/NDF: 7497746.7/57

In: 40.471+/-0.005 χ^2/NDF:4736432.8/49

Out: 40.029+/-0.005 χ^2/NDF:6339719.9/54

All: 40.246+/-0.004 χ^2/NDF: 11079498.7/104



Right In: 0.005+/-0.011 χ^2/NDF: 34.2/26

Left Out: -0.012+/-0.010 χ^2/NDF:21.9/23

Right Out: -0.007+/-0.011 χ^2/NDF: 46.6/30

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

Left: -0.011+/-0.007 χ^2/NDF: 43.9/46

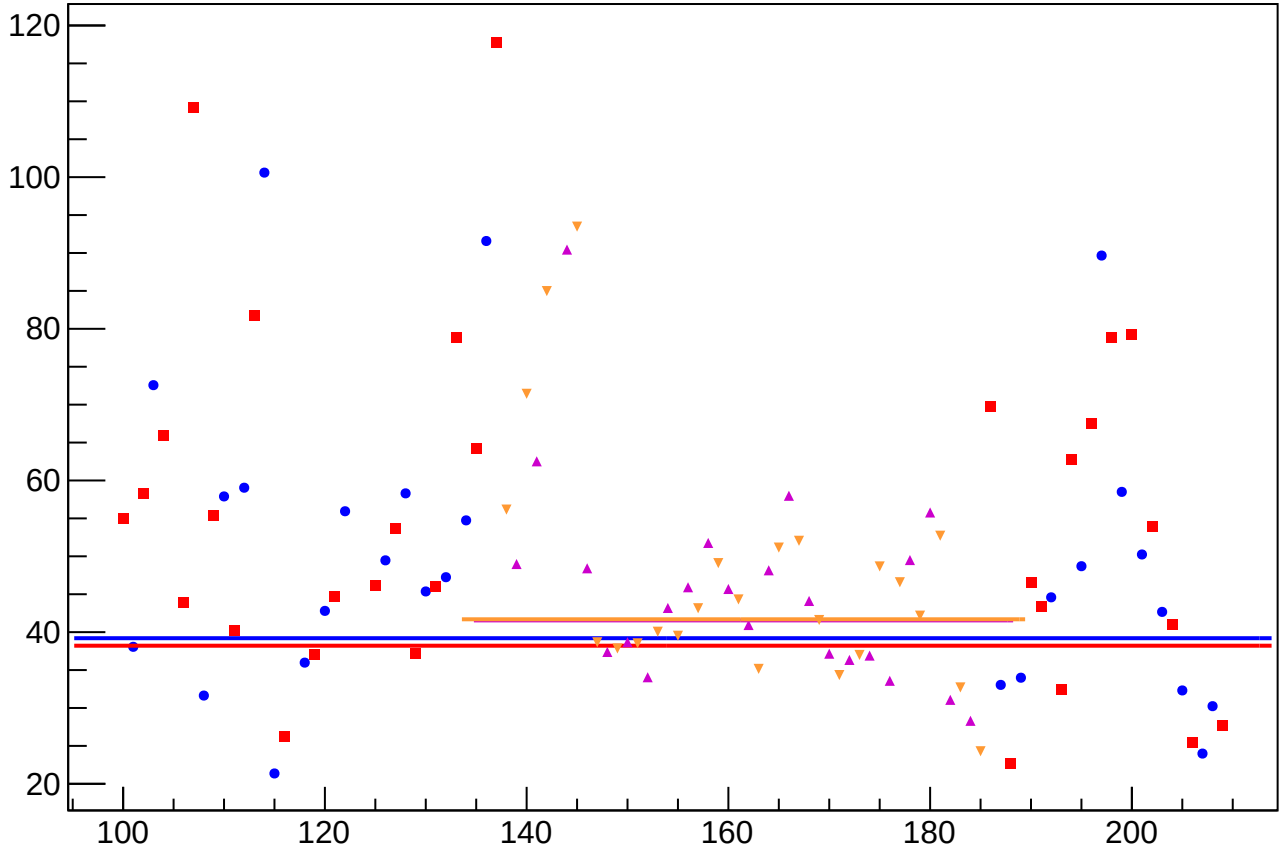
Right: -0.001+/-0.008 χ^2/NDF: 81.4/57

In: -0.003+/-0.008 χ^2/NDF:57.0/49

Out: -0.010+/-0.008 χ^2/NDF:68.6/54

All: -0.006+/-0.005 χ^2/NDF: 126.1/104

asym_usl_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 39.202+/-0.008 χ^2/NDF: 3077303.5/26

Left Out: 41.695+/-0.007 χ^2/NDF:1821753.6/23

Right Out: 38.212+/-0.008 χ^2/NDF: 4412582.3/30

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

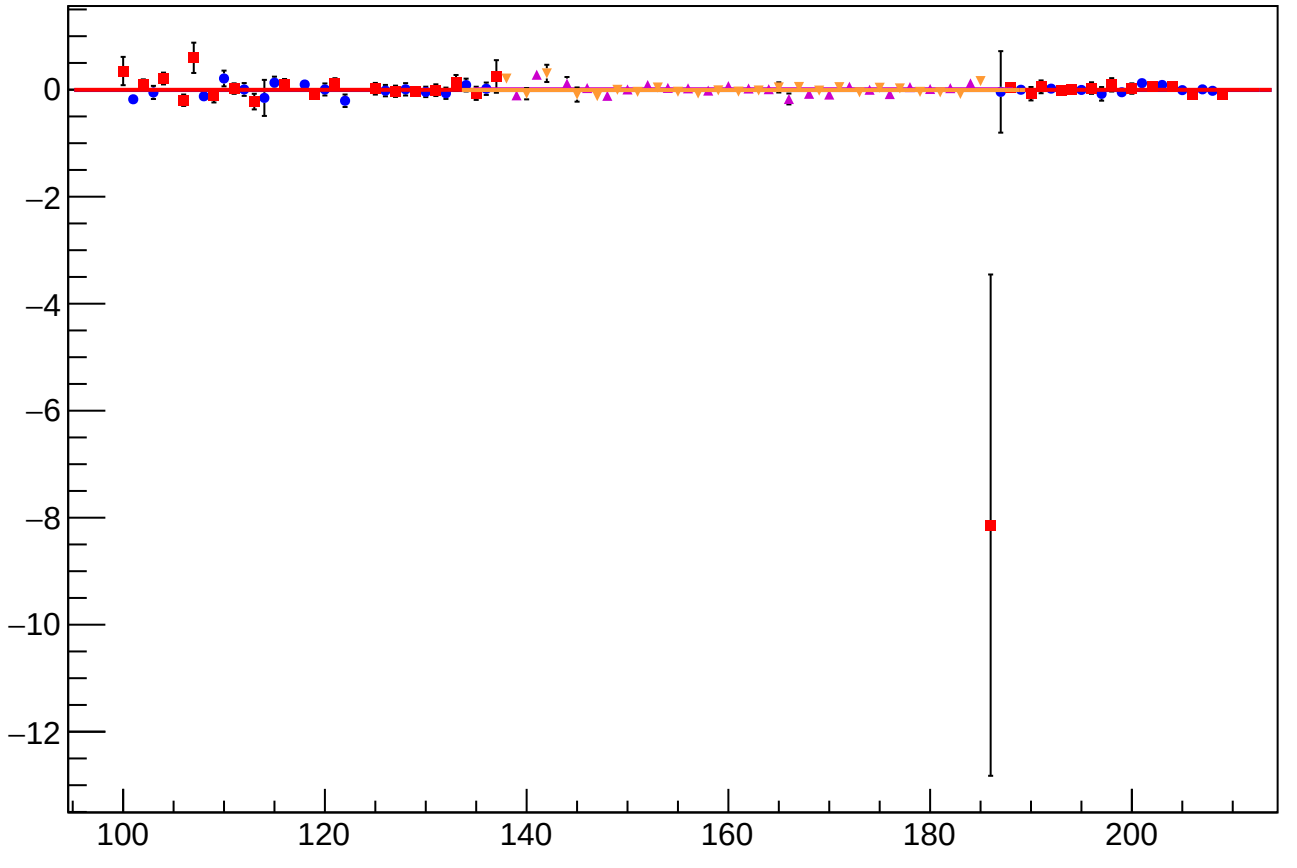
Left: 41.623+/-0.005 χ^2/NDF: 3434883.2/46

Right: 38.689+/-0.006 χ^2/NDF: 7497746.7/57

In: 40.471+/-0.005 χ^2/NDF:4736432.8/49

Out: 40.029+/-0.005 χ^2/NDF:6339719.9/54

All: 40.246+/-0.004 χ^2/NDF: 11079498.7/104



Right In: -0.006+/-0.016 χ^2/NDF: 24.6/26

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

Right Out: -0.002+/-0.016 χ^2/NDF: 35.9/30

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

Left: 0.000+/-0.011 χ^2/NDF: 52.2/46

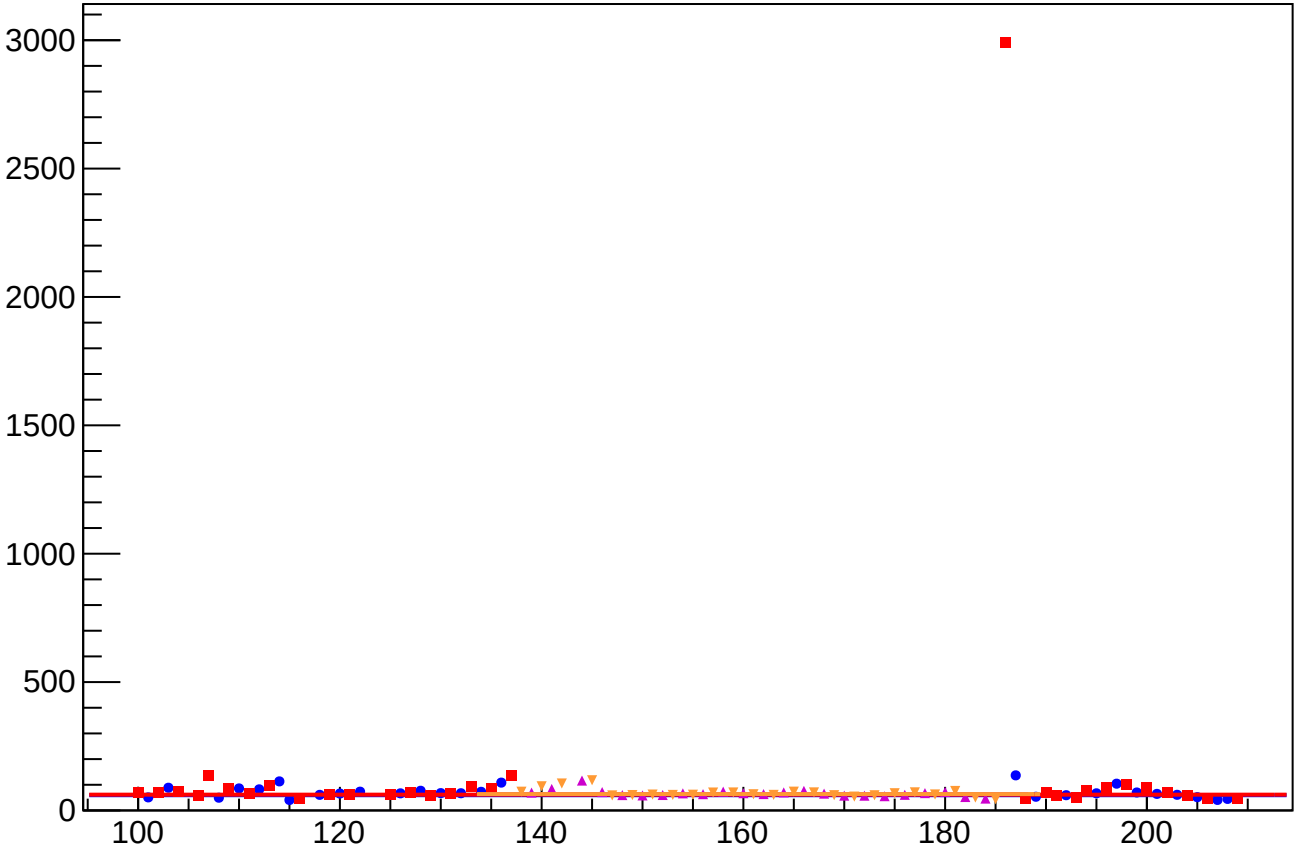
Right: -0.004+/-0.012 χ^2/NDF: 60.5/57

In: 0.001+/-0.011 χ^2/NDF:53.1/49

Out: -0.005+/-0.011 χ^2/NDF:59.6/54

All: -0.002+/-0.008 χ^2/NDF: 112.8/104

asym_usl_eigen_dit_vs_overload_cor_diff_rms vs Slug, Sign Corrected



Right In: 59.387+/-0.011 χ^2/NDF: 1782188.8/26

Left Out: 63.779+/-0.011 χ^2/NDF:1078810.5/23

Right Out: 61.514+/-0.012 χ^2/NDF: 2714257.0/30

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

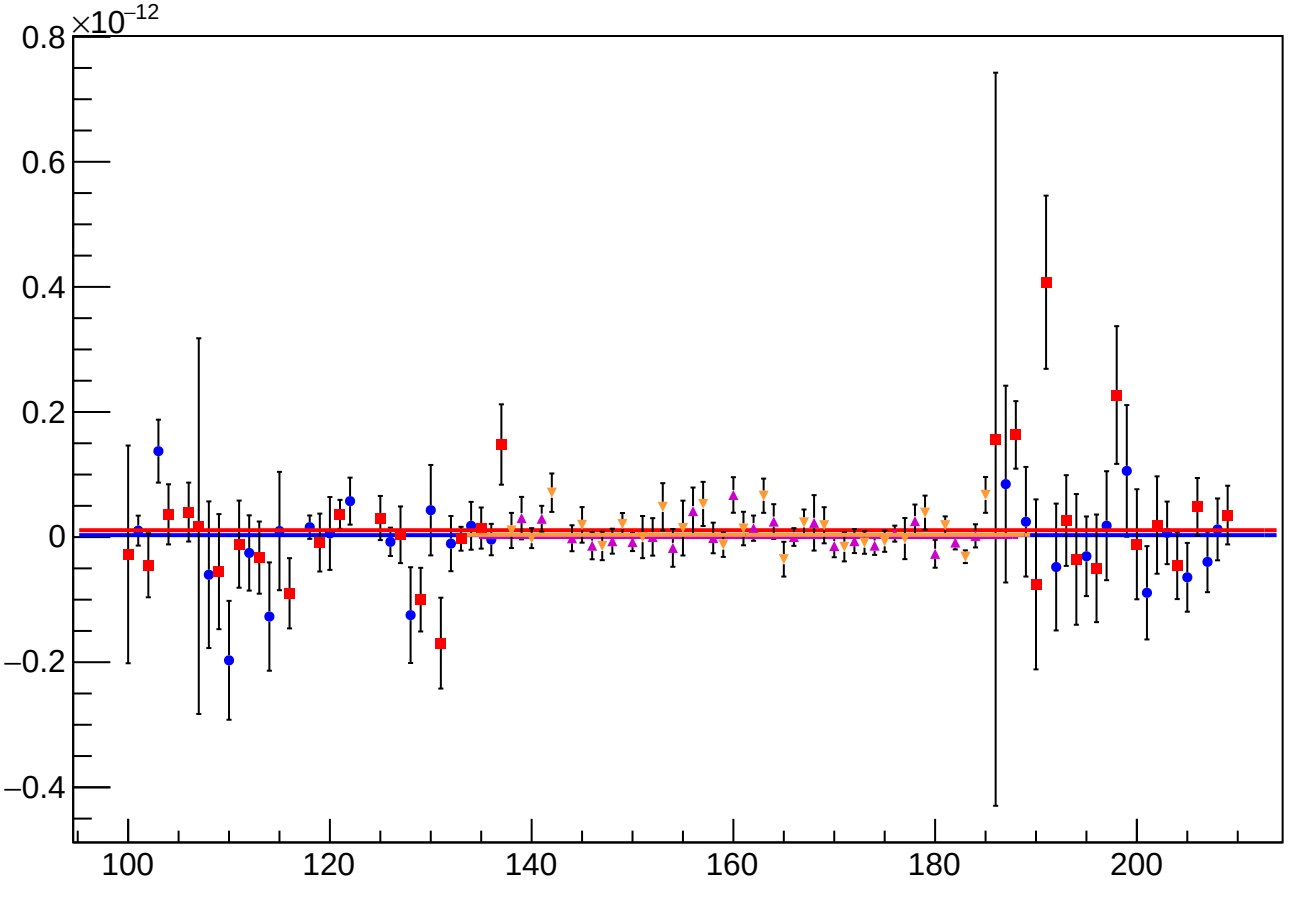
Left: 63.907+/-0.008 χ^2/NDF: 1917872.4/46

Right: 60.448+/-0.008 χ^2/NDF: 4513524.5/57

In: 61.823+/-0.008 χ^2/NDF:2706720.6/49

Out: 62.710+/-0.008 χ^2/NDF:3813462.3/54

All: 62.267+/-0.006 χ^2/NDF: 6526447.0/104



Right In: 0.000+/-0.000 χ^2/NDF: 26.3/26

Left Out: 0.000+/-0.000 χ^2/NDF:40.6/23

Right Out: 0.000+/-0.000 χ^2/NDF: 47.4/30

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

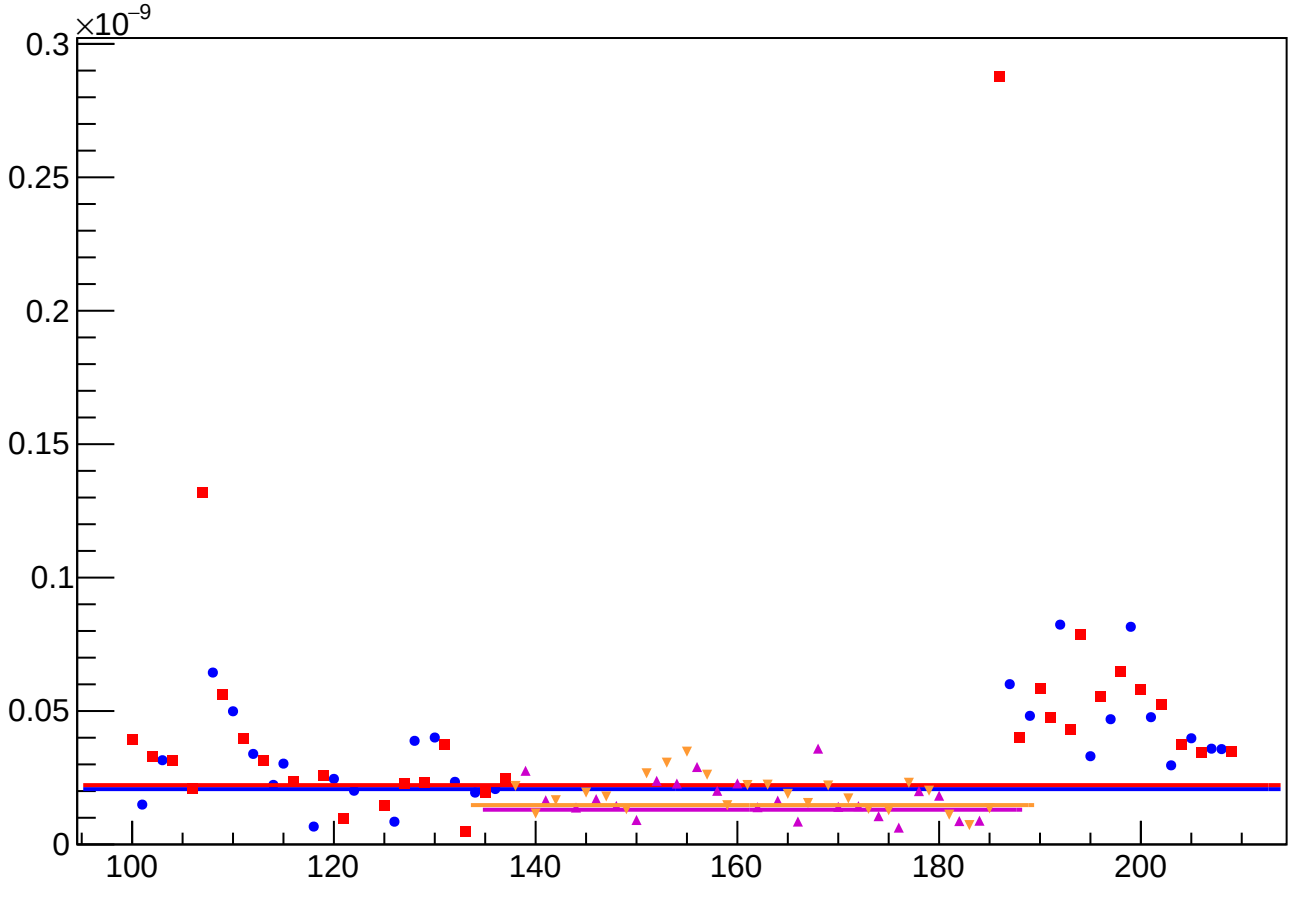
Left: 0.000+/-0.000 χ^2/NDF: 58.0/46

Right: 0.000+/-0.000 χ^2/NDF: 74.1/57

In: 0.000+/-0.000 χ^2/NDF:43.6/49

Out: 0.000+/-0.000 χ^2/NDF:88.5/54

All: 0.000+/-0.000 χ^2/NDF: 132.8/104



Right In: 0.000+/-0.000 χ^2/NDF: 5706256.2/26

Left Out: 0.000+/-0.000 χ^2/NDF:3531388.4/23

Right Out: 0.000+/-0.000 χ^2/NDF: 6594737.8/30

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

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

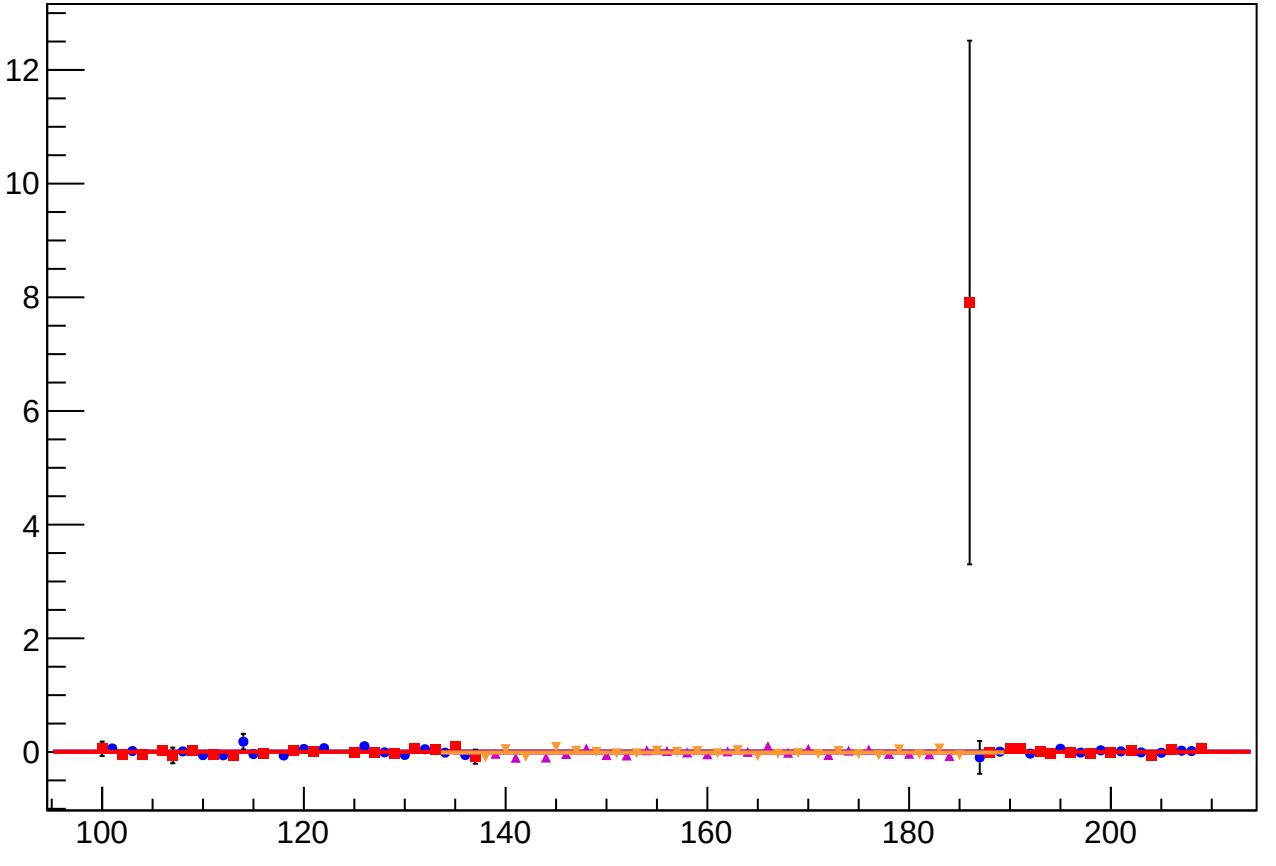
Right: 0.000+/-0.000 χ^2/NDF: 12331415.8/57

In: 0.000+/-0.000 χ^2/NDF:11012518.4/49

Out: 0.000+/-0.000 χ^2/NDF:11282957.0/54

All: 0.000+/-0.000 χ^2/NDF: 22510536.6/104

asym_usl_overload_cor_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.009+/-0.008 χ^2/NDF: 19.5/26

Left Out: -0.010+/-0.009 χ^2/NDF:19.4/23

Right Out: 0.002+/-0.008 χ^2/NDF: 28.1/30

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

Left: -0.010+/-0.007 χ^2/NDF: 42.7/46

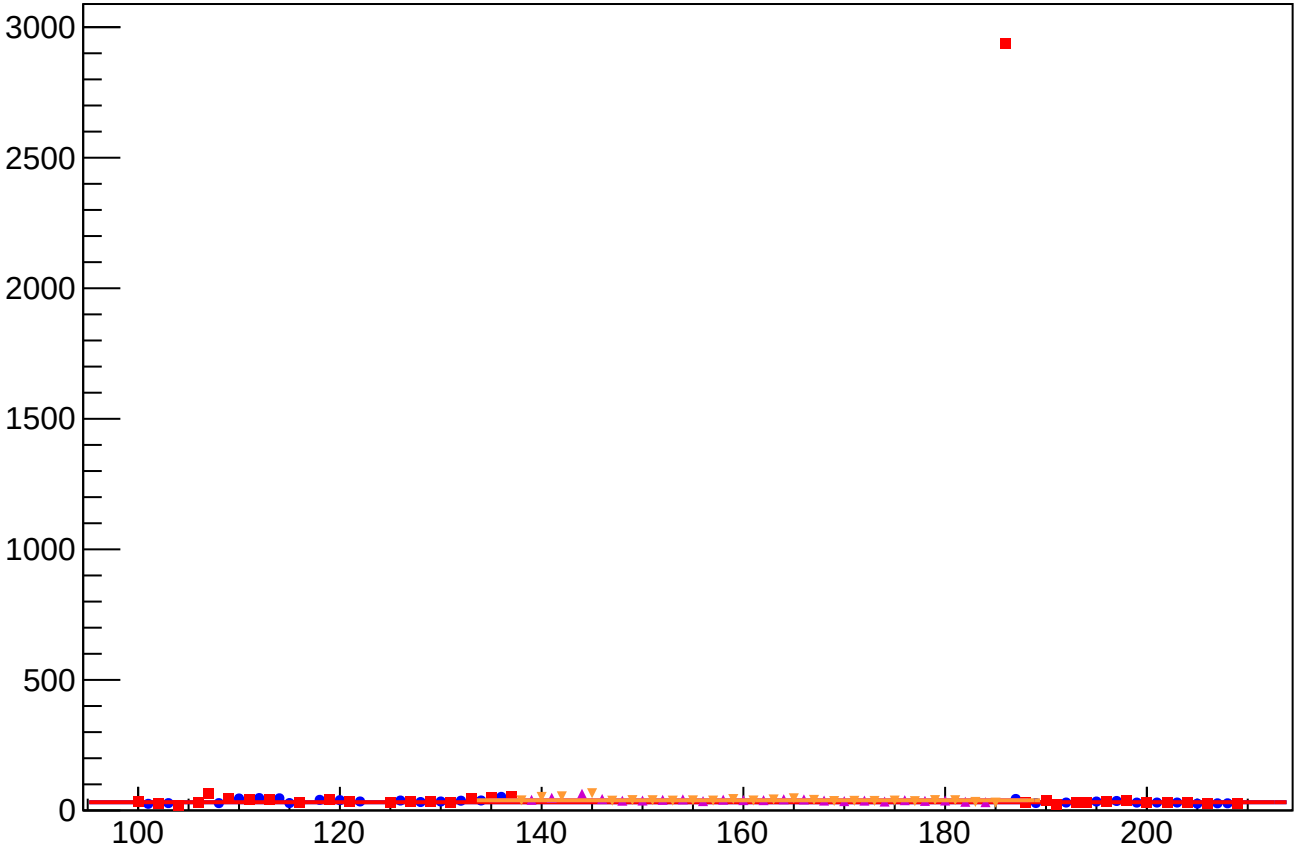
Right: 0.005+/-0.006 χ^2/NDF: 48.0/57

In: 0.000+/-0.006 χ^2/NDF:45.3/49

Out: -0.003+/-0.006 χ^2/NDF:48.4/54

All: -0.001+/-0.004 χ^2/NDF: 93.9/104

asym_usl_overload_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 31.430+/-0.006 χ^2/NDF: 917150.3/26

Left Out: 38.972+/-0.007 χ^2/NDF:624525.1/23

Right Out: 31.551+/-0.006 χ^2/NDF: 1977657.9/30

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

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

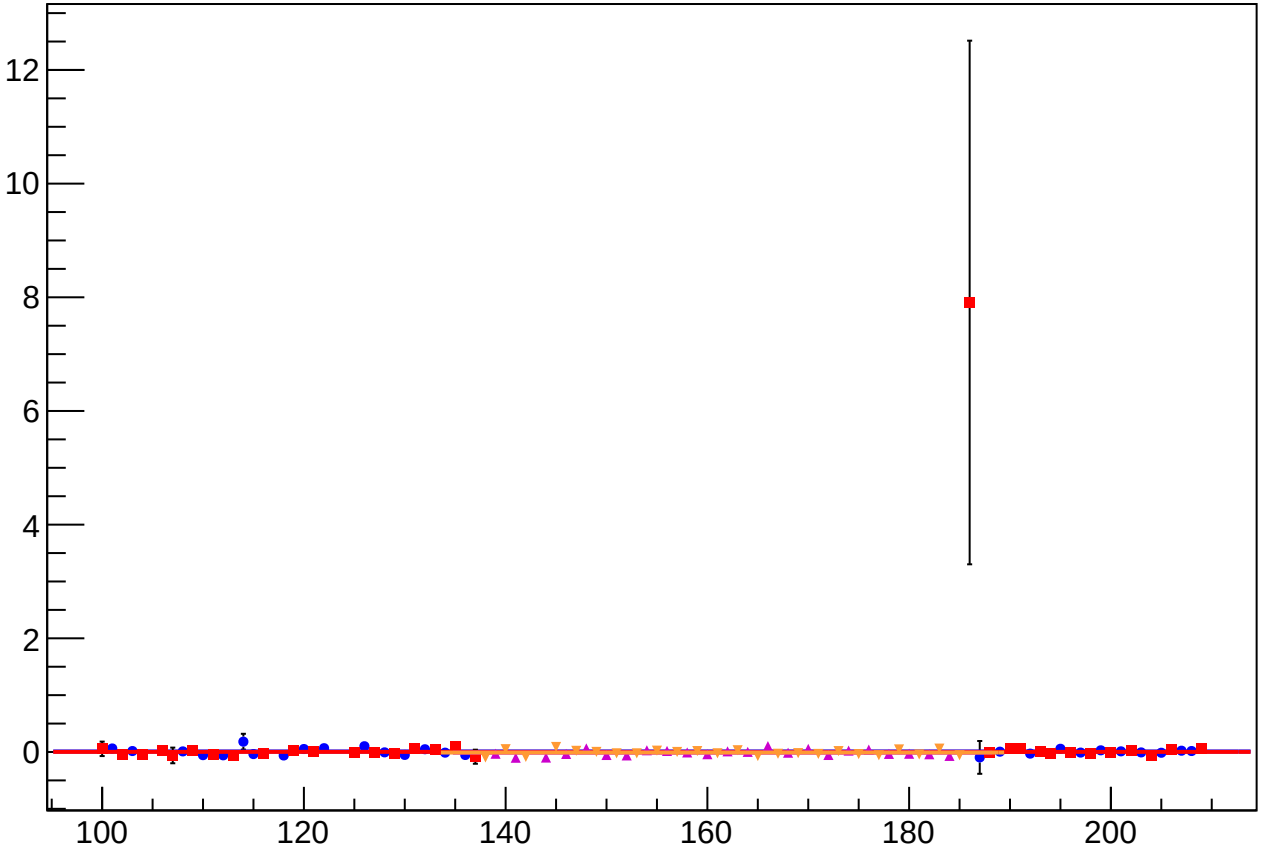
Right: 31.492+/-0.004 χ^2/NDF: 2895017.7/57

In: 34.828+/-0.004 χ^2/NDF:2176736.7/49

Out: 34.743+/-0.004 χ^2/NDF:3302977.8/54

All: 34.785+/-0.003 χ^2/NDF: 5479896.0/104

asym_usl_overload_cor_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.009+/-0.008 χ^2/NDF: 19.5/26

Left Out: -0.010+/-0.009 χ^2/NDF:19.4/23

Right Out: 0.002+/-0.008 χ^2/NDF: 28.1/30

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

Left: -0.010+/-0.007 χ^2/NDF: 42.7/46

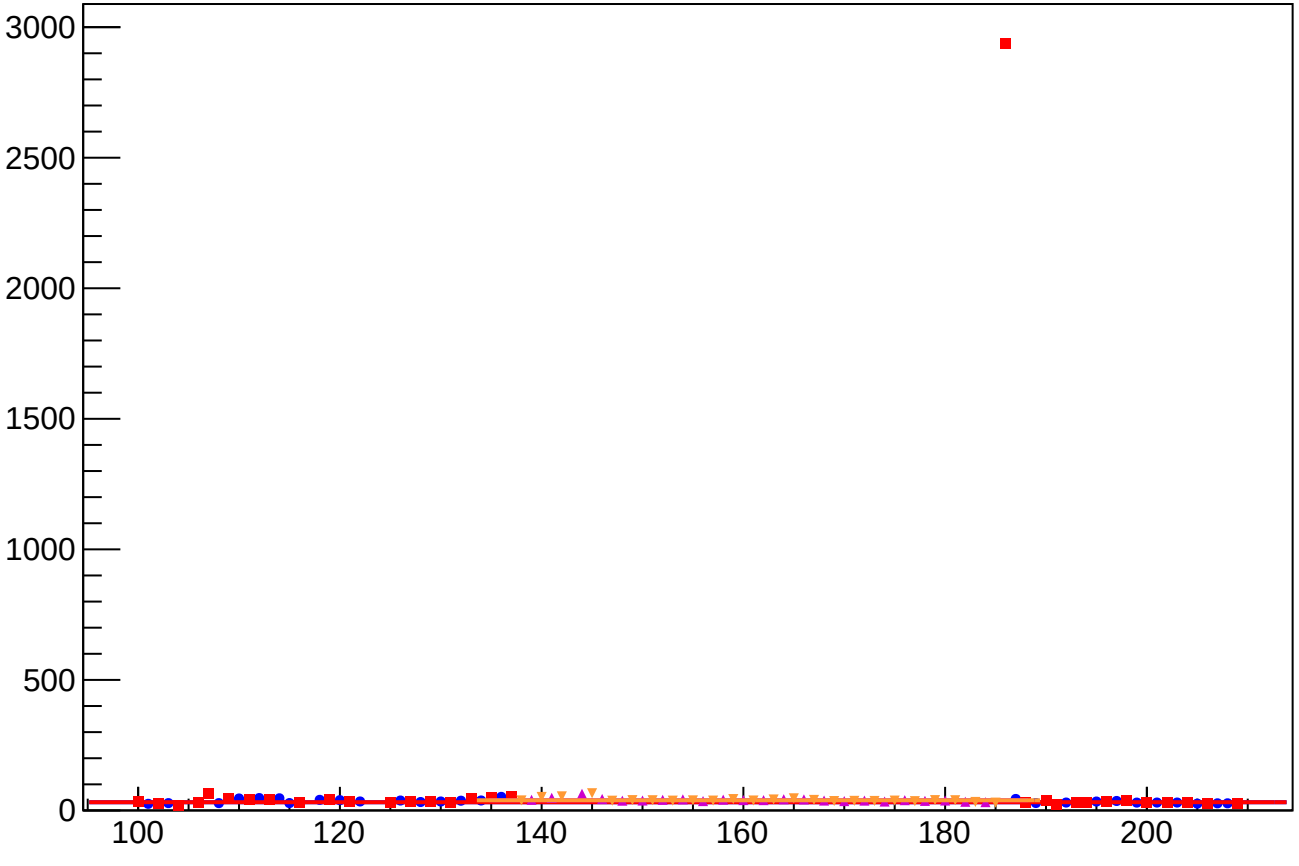
Right: 0.005+/-0.006 χ^2/NDF: 48.0/57

In: 0.000+/-0.006 χ^2/NDF:45.3/49

Out: -0.003+/-0.006 χ^2/NDF:48.4/54

All: -0.001+/-0.004 χ^2/NDF: 93.9/104

asym_usl_overload_cor_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 31.430+/-0.006 χ^2/NDF: 917150.3/26

Left Out: 38.972+/-0.007 χ^2/NDF:624525.1/23

Right Out: 31.551+/-0.006 χ^2/NDF: 1977657.9/30

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

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

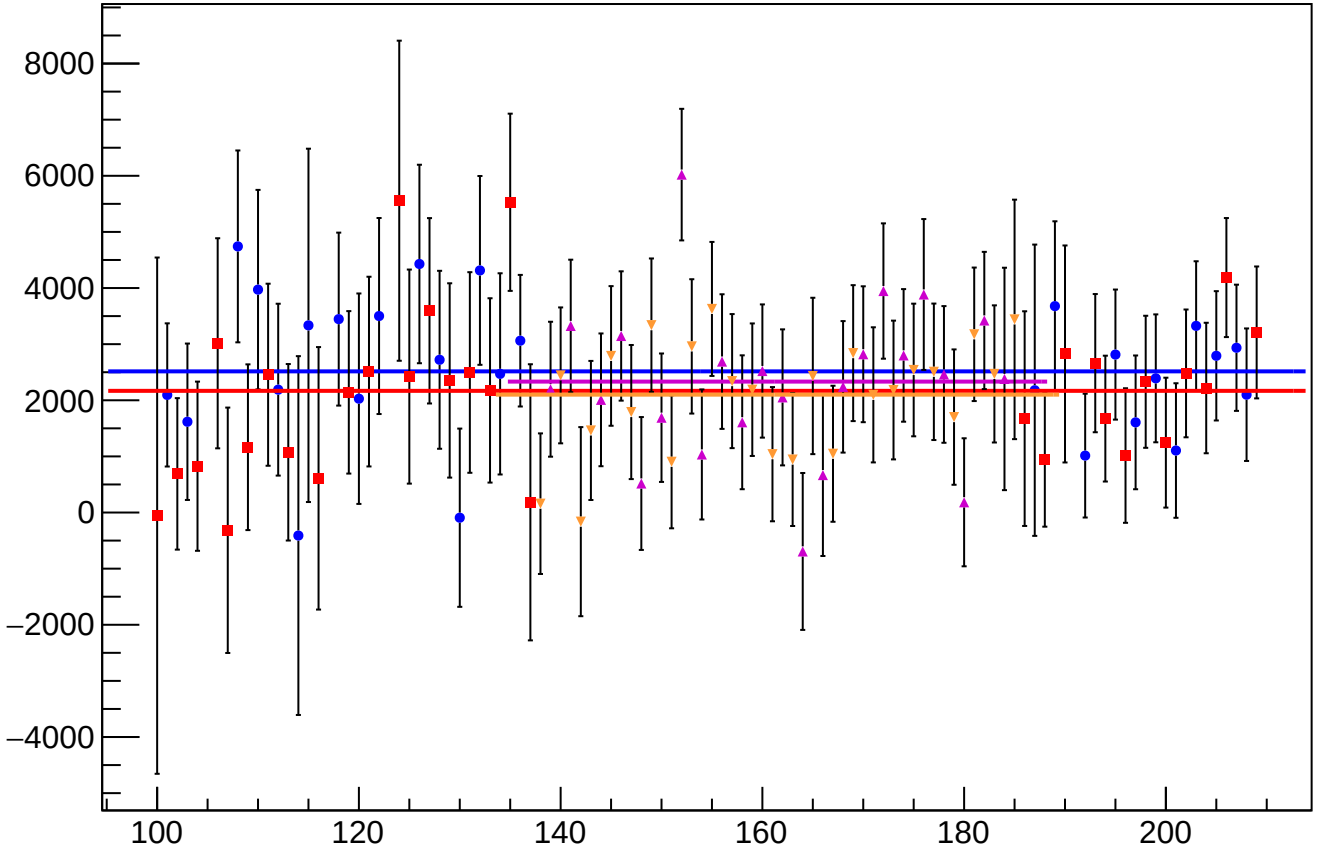
Right: 31.492+/-0.004 χ^2/NDF: 2895017.7/57

In: 34.828+/-0.004 χ^2/NDF:2176736.7/49

Out: 34.743+/-0.004 χ^2/NDF:3302977.8/54

All: 34.785+/-0.003 χ^2/NDF: 5479896.0/104

reg_asym_usr_mean vs Slug, Sign Corrected



Right In: 2515.293+/-274.283 χ^2/NDF: 15.2/26

Left Out: 2100.398+/-248.306 χ^2/NDF:13.8/24

Right Out: 2168.121+/-266.115 χ^2/NDF: 20.2/30

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

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

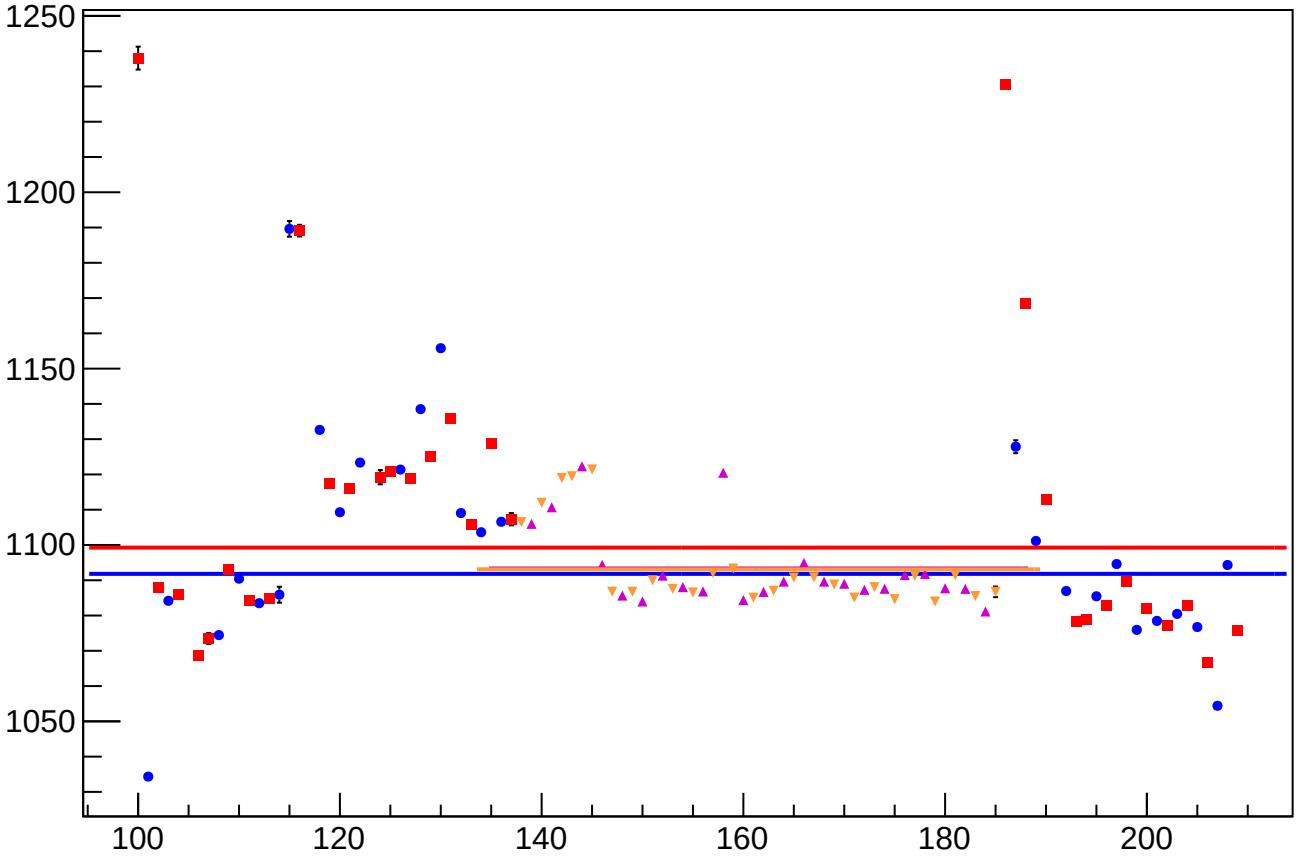
Right: 2336.461+/-190.994 χ^2/NDF: 36.2/57

In: 2417.591+/-186.869 χ^2/NDF:44.9/49

Out: 2131.918+/-181.549 χ^2/NDF:34.1/55

All: 2270.630+/-130.215 χ^2/NDF: 80.2/105

reg_asym_usr_rms vs Slug, Sign Corrected



Right In: 1091.814+/-0.194 χ^2/NDF: 18675.4/26

Left Out: 1093.102+/-0.176 χ^2/NDF:3983.2/24

Right Out: 1099.250+/-0.188 χ^2/NDF: 31723.3/30

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

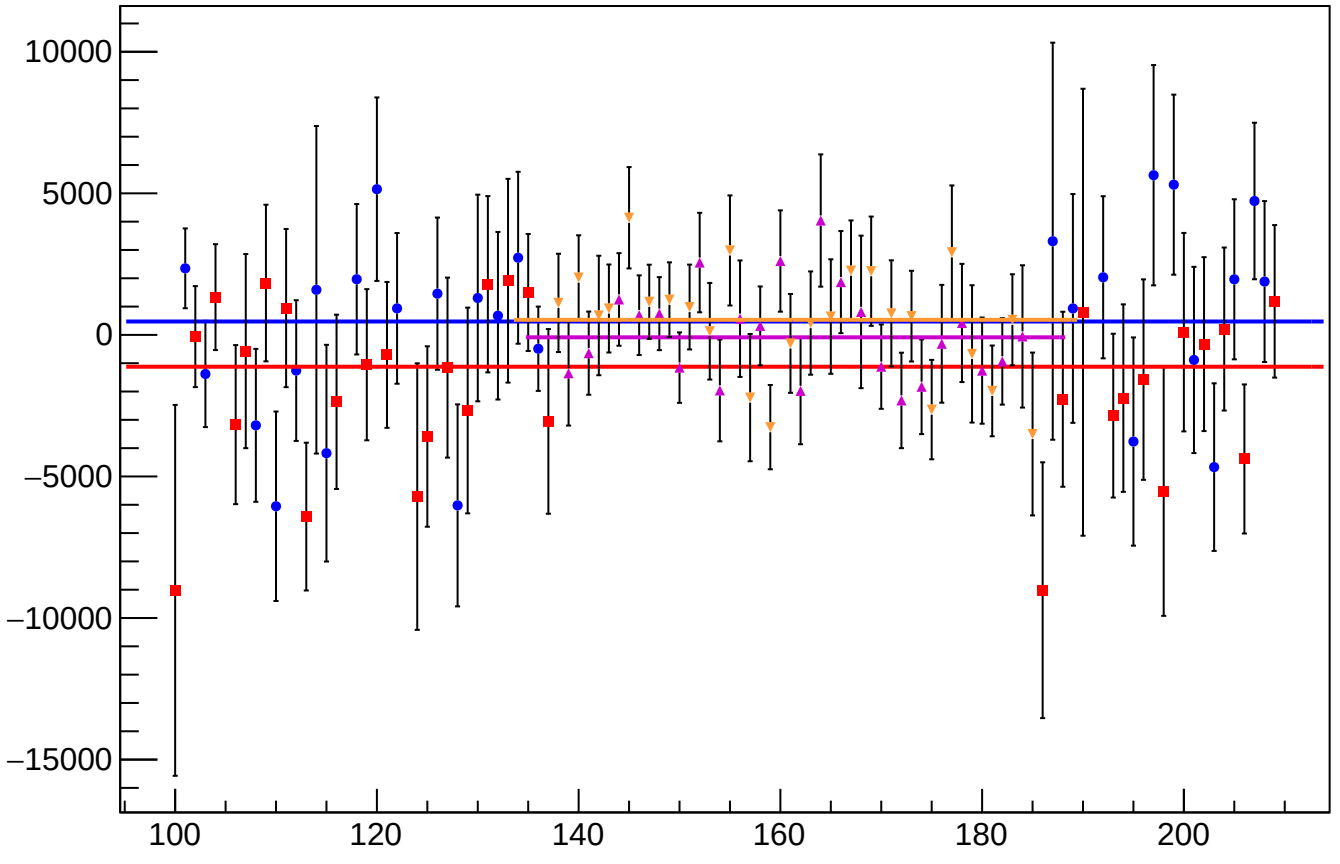
Left: 1093.217+/-0.126 χ^2/NDF: 7709.8/47

Right: 1095.645+/-0.135 χ^2/NDF: 51156.0/57

In: 1092.631+/-0.132 χ^2/NDF:22434.2/49

Out: 1095.964+/-0.128 χ^2/NDF:36277.2/55

All: 1094.345+/-0.092 χ^2/NDF: 59038.7/105



Right In: 473.296+/-523.681 χ^2/NDF: 29.3/26

Left Out: 532.982+/-347.223 χ^2/NDF:26.4/24

Right Out: -1124.174+/-529.478 χ^2/NDF: 22.8/30

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

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

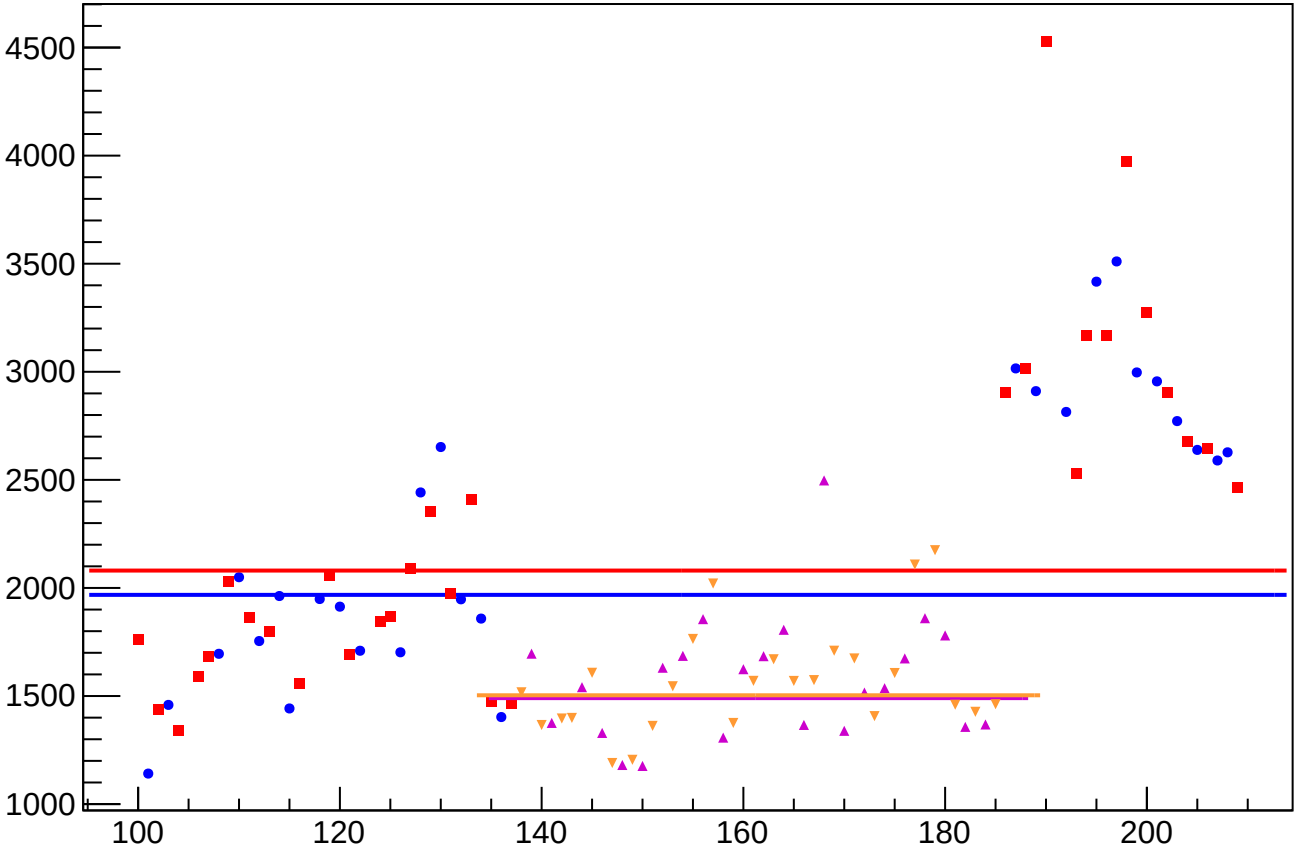
Right: -316.646+/-372.331 χ^2/NDF: 56.6/57

In: 89.831+/-293.241 χ^2/NDF:48.1/49

Out: 34.635+/-290.357 χ^2/NDF:56.1/55

All: 61.961+/-206.325 χ^2/NDF: 104.2/105

asym_usr_reg_correction_rms vs Slug, Sign Corrected



Right In: 1967.987+/-0.370 χ^2/NDF: 3156695.6/26

Left Out: 1503.437+/-0.246 χ^2/NDF:799670.9/24

Right Out: 2080.431+/-0.374 χ^2/NDF: 2954820.6/30

Left In: 1490.314+/-0.250 χ^2/NDF:968221.5/22

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

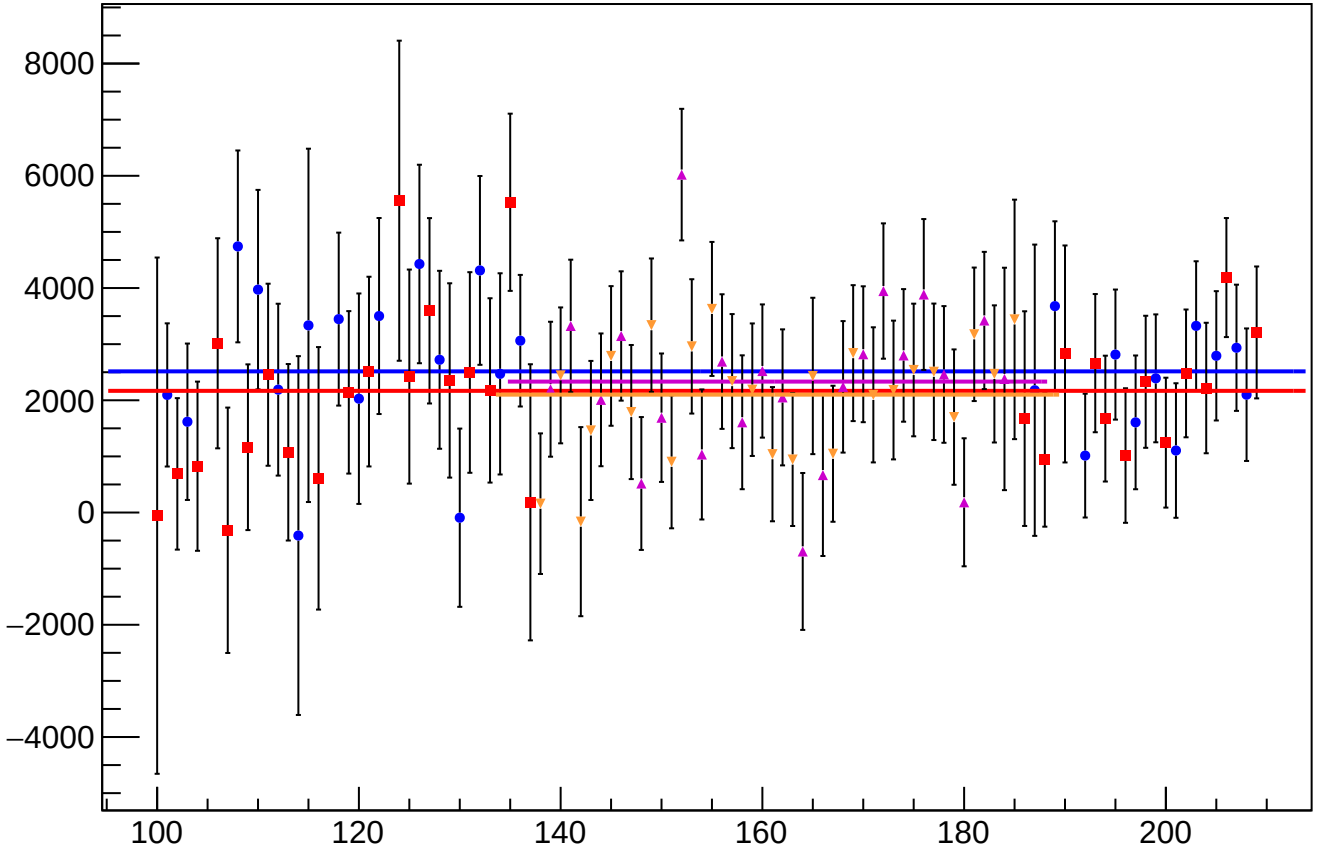
Right: 2023.590+/-0.263 χ^2/NDF: 6157112.4/57

In: 1640.092+/-0.207 χ^2/NDF:5267171.9/49

Out: 1676.953+/-0.205 χ^2/NDF:5415318.9/55

All: 1658.704+/-0.146 χ^2/NDF: 10698448.3/1

cor_asym_usr_mean vs Slug, Sign Corrected



Right In: 2515.293+/-274.283 χ^2/NDF: 15.2/26

Left Out: 2100.398+/-248.306 χ^2/NDF:13.8/24

Right Out: 2168.121+/-266.115 χ^2/NDF: 20.2/30

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

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

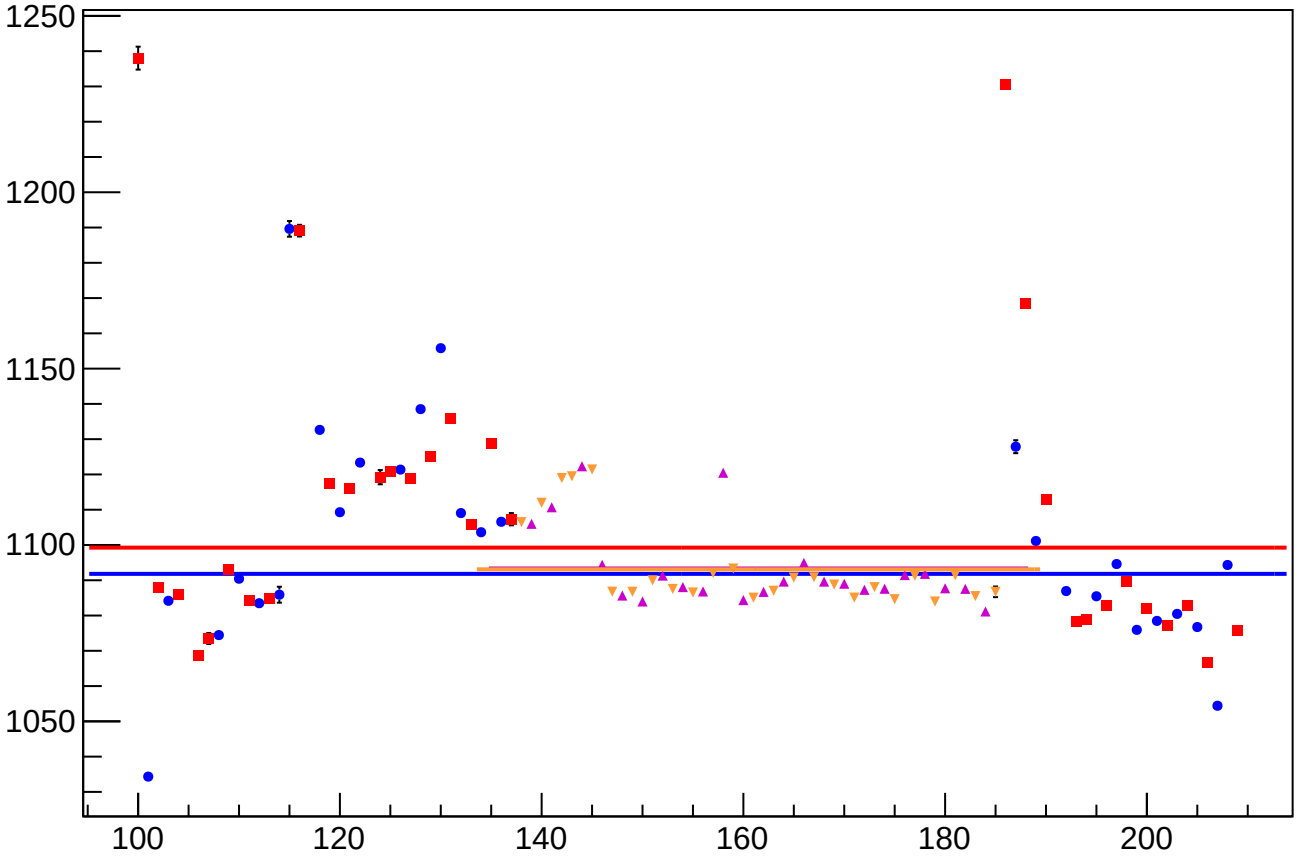
Right: 2336.461+/-190.994 χ^2/NDF: 36.2/57

In: 2417.591+/-186.869 χ^2/NDF:44.9/49

Out: 2131.918+/-181.549 χ^2/NDF:34.1/55

All: 2270.630+/-130.215 χ^2/NDF: 80.2/105

cor_asym_usr_rms vs Slug, Sign Corrected



Right In: 1091.814+/-0.194 χ^2/NDF: 18675.4/26

Left Out: 1093.102+/-0.176 χ^2/NDF:3983.2/24

Right Out: 1099.250+/-0.188 χ^2/NDF: 31723.3/30

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

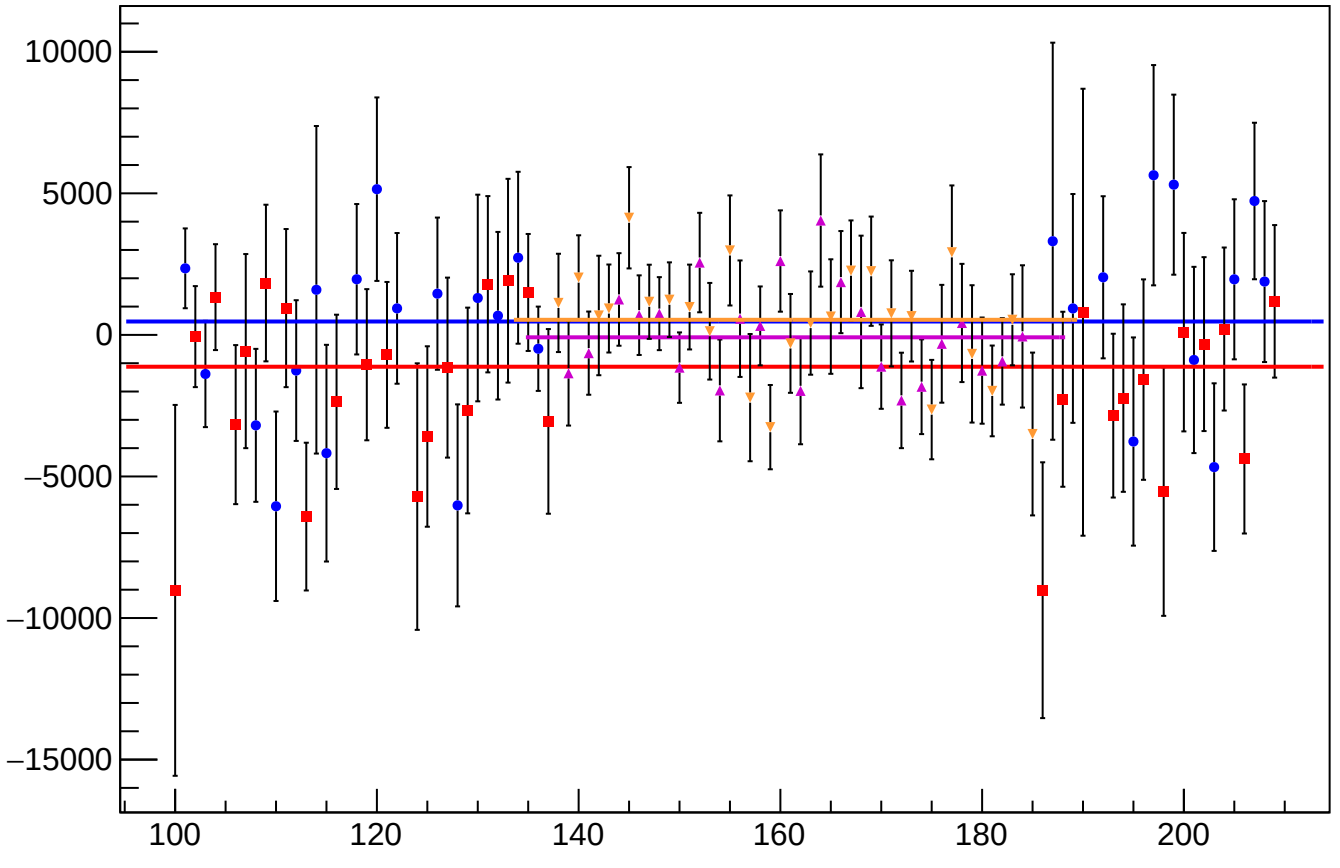
Left: 1093.217+/-0.126 χ^2/NDF: 7709.8/47

Right: 1095.645+/-0.135 χ^2/NDF: 51156.0/57

In: 1092.631+/-0.132 χ^2/NDF:22434.2/49

Out: 1095.964+/-0.128 χ^2/NDF:36277.2/55

All: 1094.345+/-0.092 χ^2/NDF: 59038.7/105



Right In: 473.296+/-523.681 χ^2/NDF: 29.3/26

Left Out: 532.982+/-347.223 χ^2/NDF:26.4/24

Right Out: -1124.174+/-529.478 χ^2/NDF: 22.8/30

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

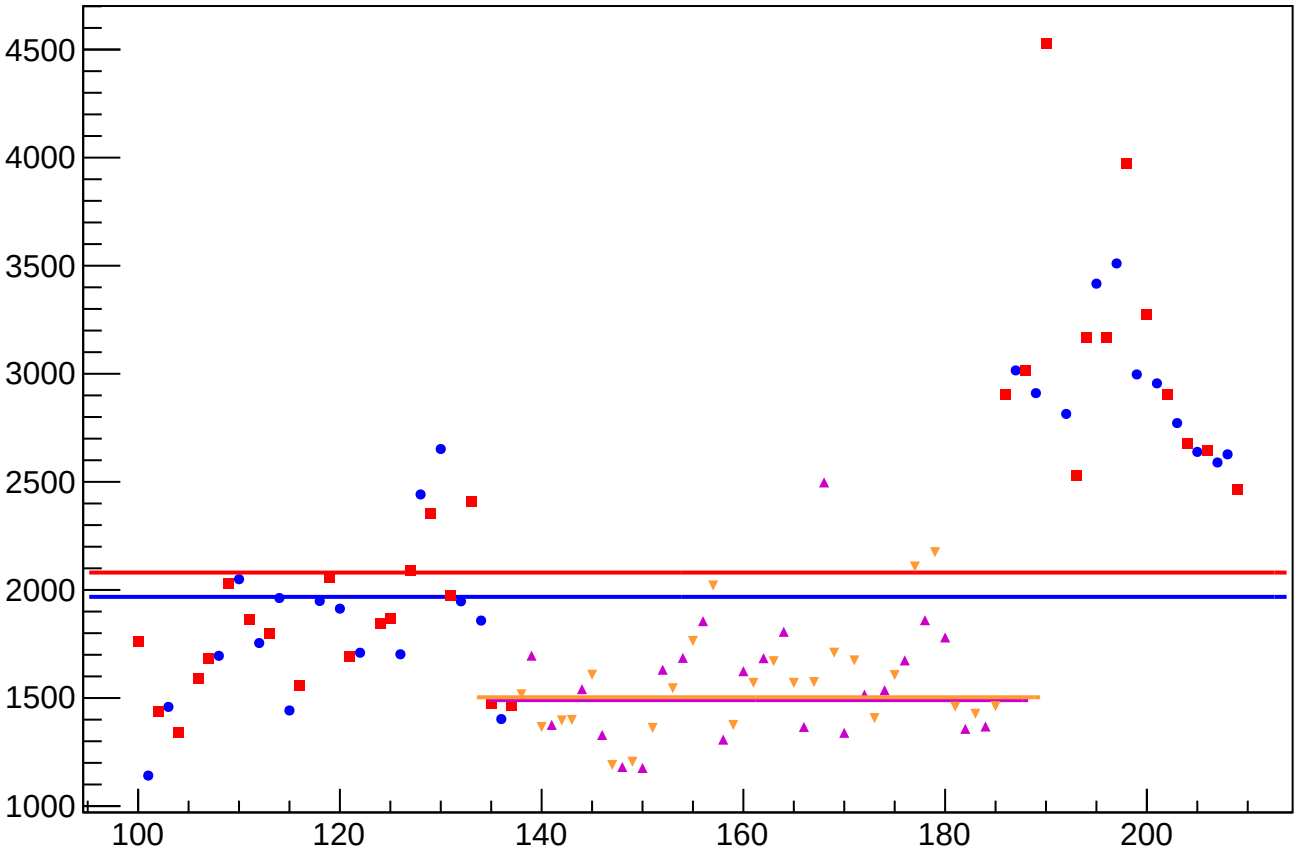
Left: 229.744+/-247.862 χ^2/NDF: 46.1/47

Right: -316.646+/-372.331 χ^2/NDF: 56.6/57

In: 89.831+/-293.241 χ^2/NDF:48.1/49

Out: 34.635+/-290.357 χ^2/NDF:56.1/55

All: 61.961+/-206.325 χ^2/NDF: 104.2/105



Right In: 1967.987+/-0.370 χ^2/NDF: 3156695.6/26

Left Out: 1503.437+/-0.246 χ^2/NDF:799670.9/24

Right Out: 2080.431+/-0.374 χ^2/NDF: 2954820.6/30

Left In: 1490.314+/-0.250 χ^2/NDF:968221.5/22

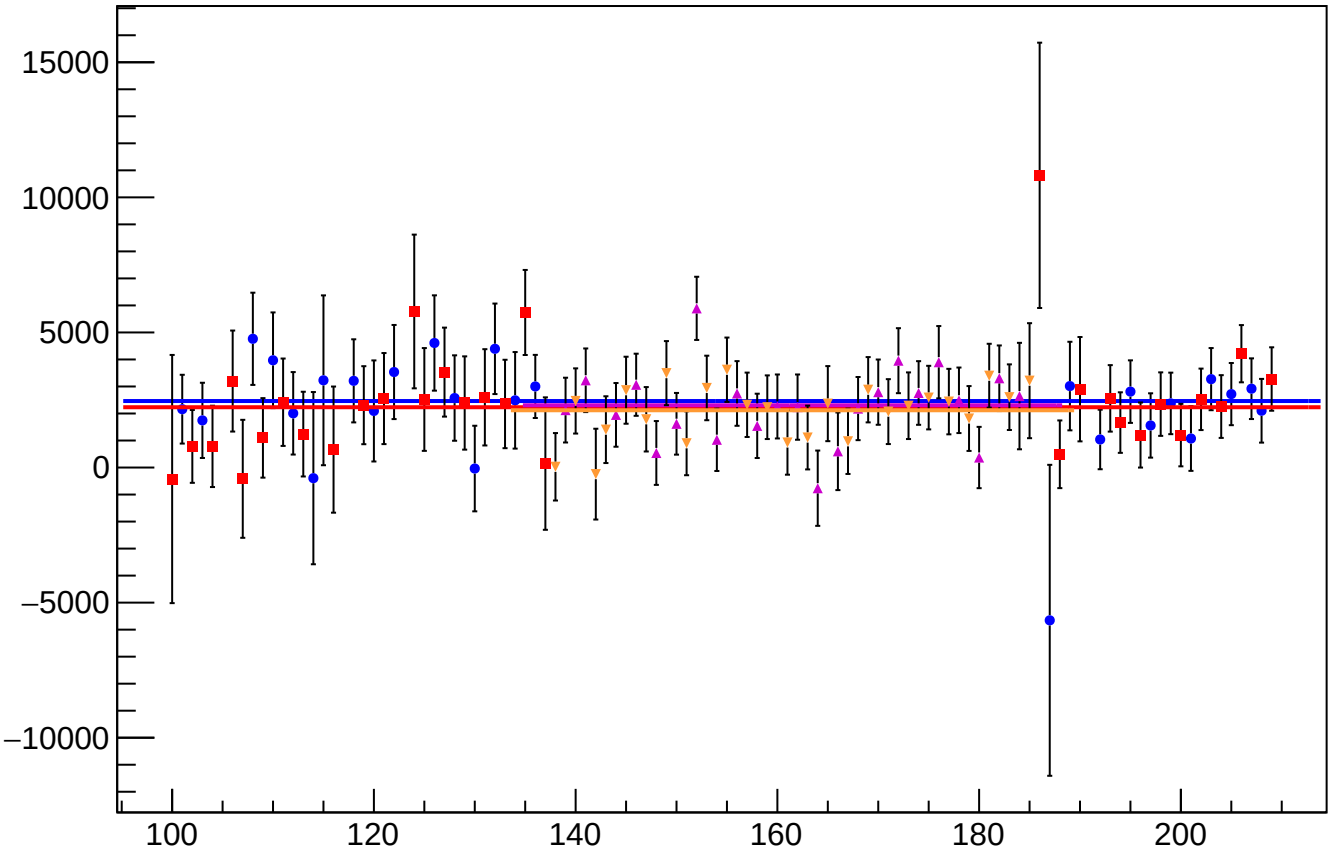
Left: 1497.001+/-0.175 χ^2/NDF: 1769293.4/47

Right: 2023.590+/-0.263 χ^2/NDF: 6157112.4/57

In: 1640.092+/-0.207 χ^2/NDF:5267171.9/49

Out: 1676.953+/-0.205 χ^2/NDF:5415318.9/55

All: 1658.704+/-0.146 χ^2/NDF: 10698448.3/1



Right In: 2461.571+/-275.715 χ^2/NDF: 16.6/26

Left Out: 2119.973+/-247.544 χ^2/NDF:15.1/24

Right Out: 2232.012+/-268.593 χ^2/NDF: 24.9/30

Left In: 2305.411+/-254.497 χ^2/NDF:28.5/22

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

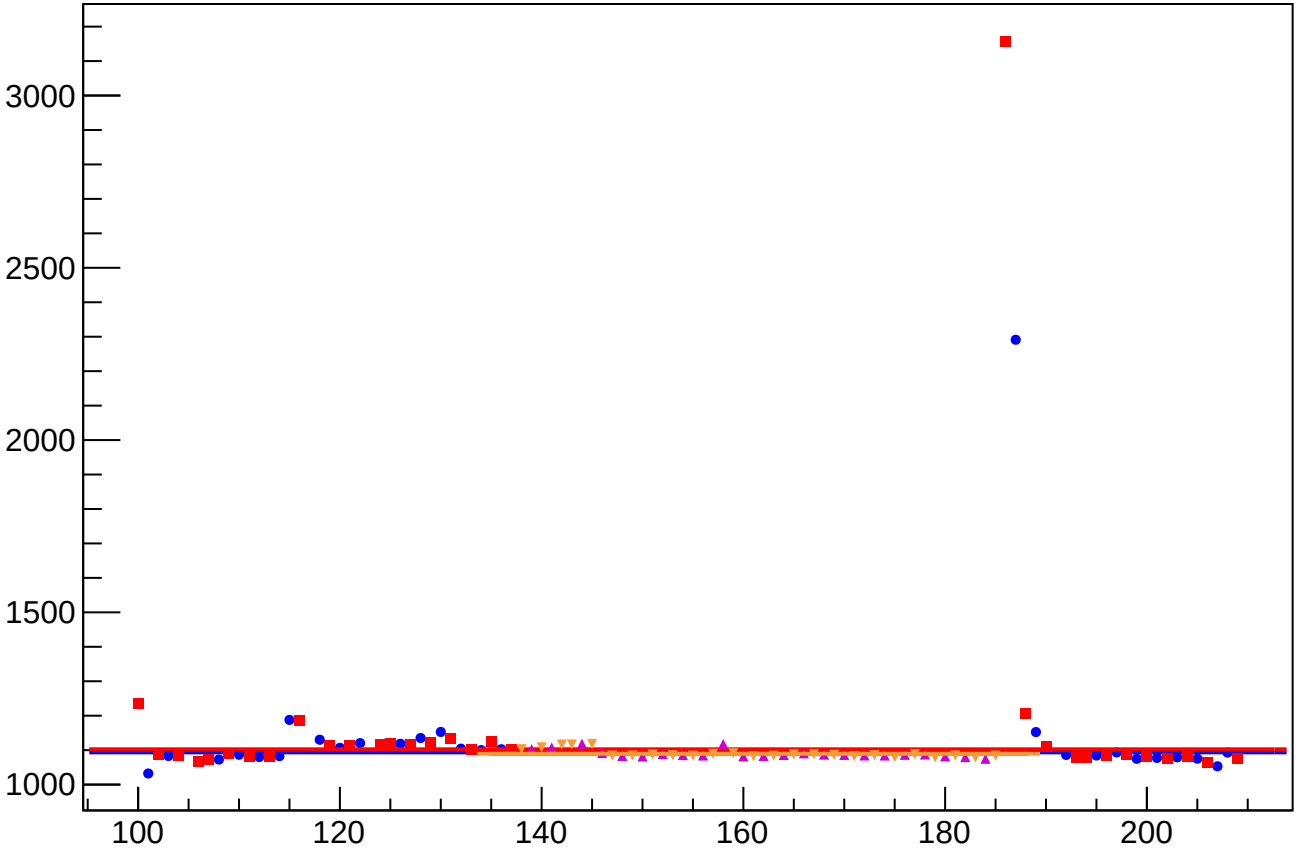
Right: 2343.788+/-192.393 χ^2/NDF: 41.9/57

In: 2377.252+/-187.009 χ^2/NDF:45.2/49

Out: 2171.431+/-182.027 χ^2/NDF:40.1/55

All: 2271.564+/-130.438 χ^2/NDF: 86.0/105

overload_cor_asym_usr_rms vs Slug, Sign Corrected



Right In: 1093.673+/-0.195 χ^2/NDF: 107299.8/26

Left Out: 1089.744+/-0.175 χ^2/NDF:4057.6/24

Right Out: 1102.486+/-0.190 χ^2/NDF: 380341.8/30

Left In: 1089.964+/-0.180 χ^2/NDF:3896.0/22

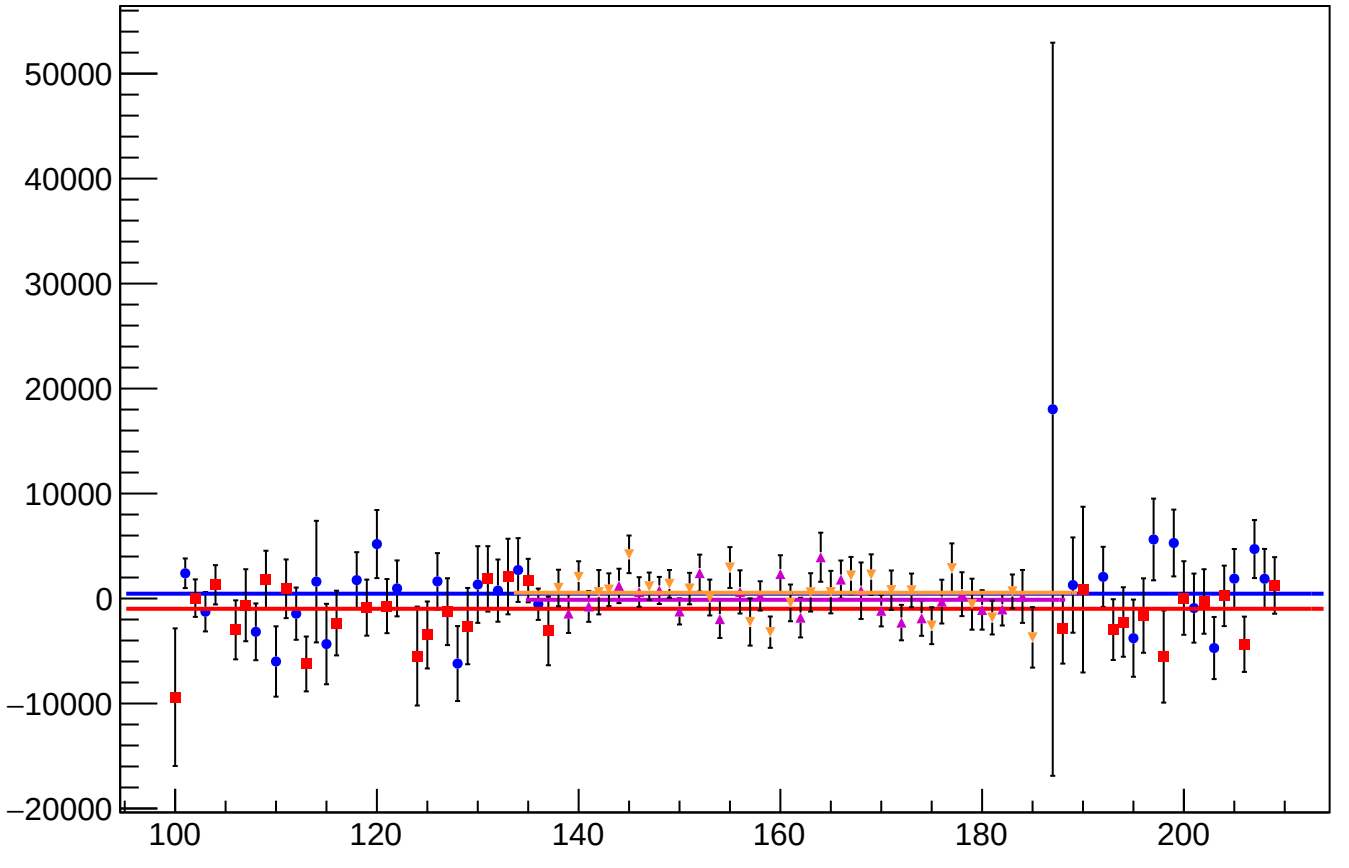
Left: 1089.851+/-0.125 χ^2/NDF: 7954.4/47

Right: 1098.195+/-0.136 χ^2/NDF: 488690.1/57

In: 1091.670+/-0.132 χ^2/NDF:111391.1/49

Out: 1095.596+/-0.129 χ^2/NDF:386833.5/55

All: 1093.686+/-0.092 χ^2/NDF: 498677.2/105



Right In: 460.652+/-526.514 χ^2/NDF: 29.7/26

Left Out: 553.759+/-347.813 χ^2/NDF:26.1/24

Right Out: -977.496+/-534.670 χ^2/NDF: 19.8/29

Left In: -121.420+/-354.540 χ^2/NDF:17.1/22

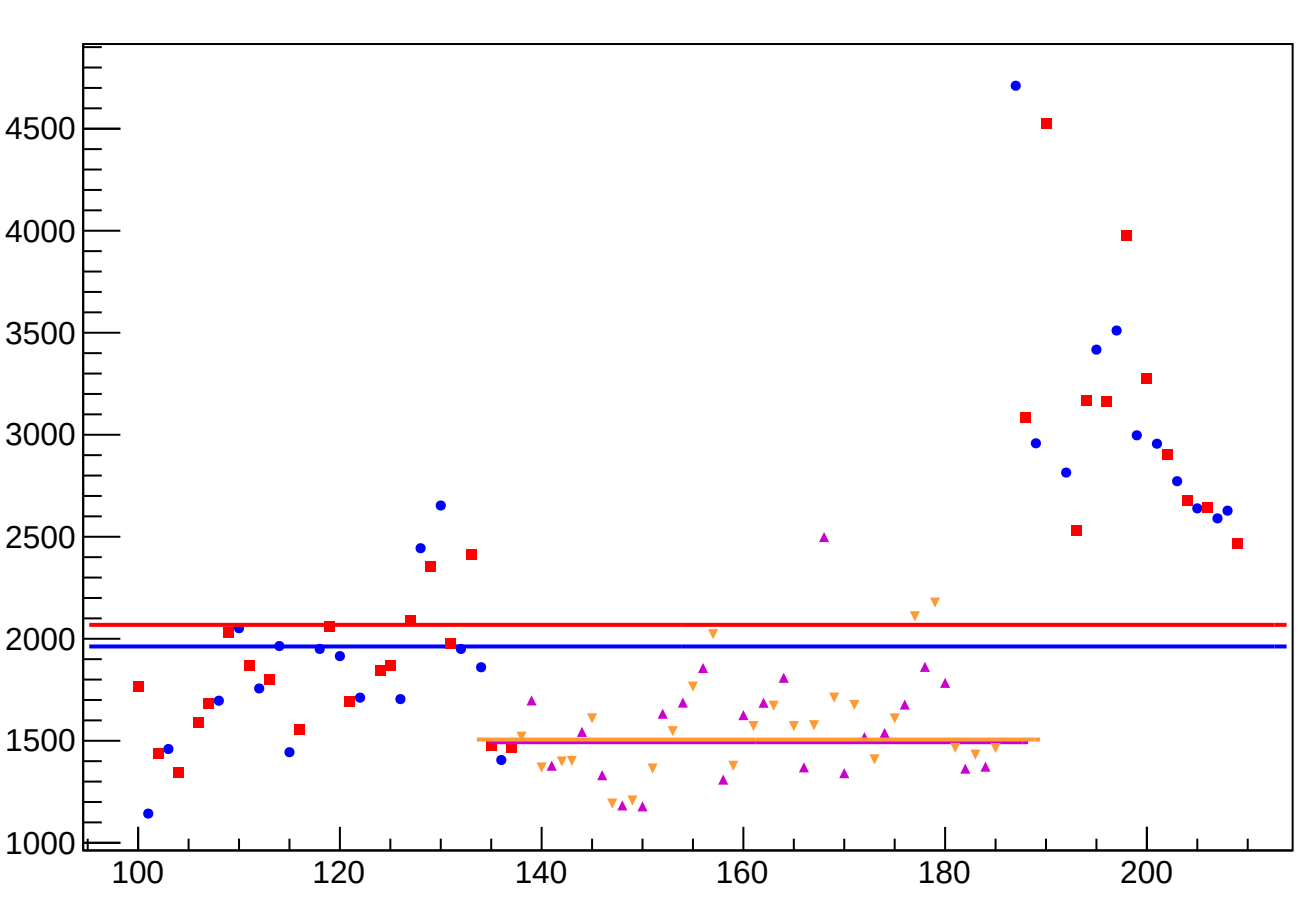
Left: 222.636+/-248.285 χ^2/NDF: 45.1/47

Right: -247.369+/-375.152 χ^2/NDF: 53.2/56

In: 60.171+/-294.082 χ^2/NDF:47.6/49

Out: 98.448+/-291.552 χ^2/NDF:51.8/54

All: 79.475+/-207.047 χ^2/NDF: 99.4/104



Right In: 1962.296+/-0.372 χ^2/NDF: 3100024.3/26

Left Out: 1506.103+/-0.246 χ^2/NDF:796401.8/24

Right Out: 2068.229+/-0.378 χ^2/NDF: 2874903.9/29

Left In: 1492.976+/-0.251 χ^2/NDF:964358.0/22

Left: 1499.665+/-0.176 χ^2/NDF: 1762156.9/47

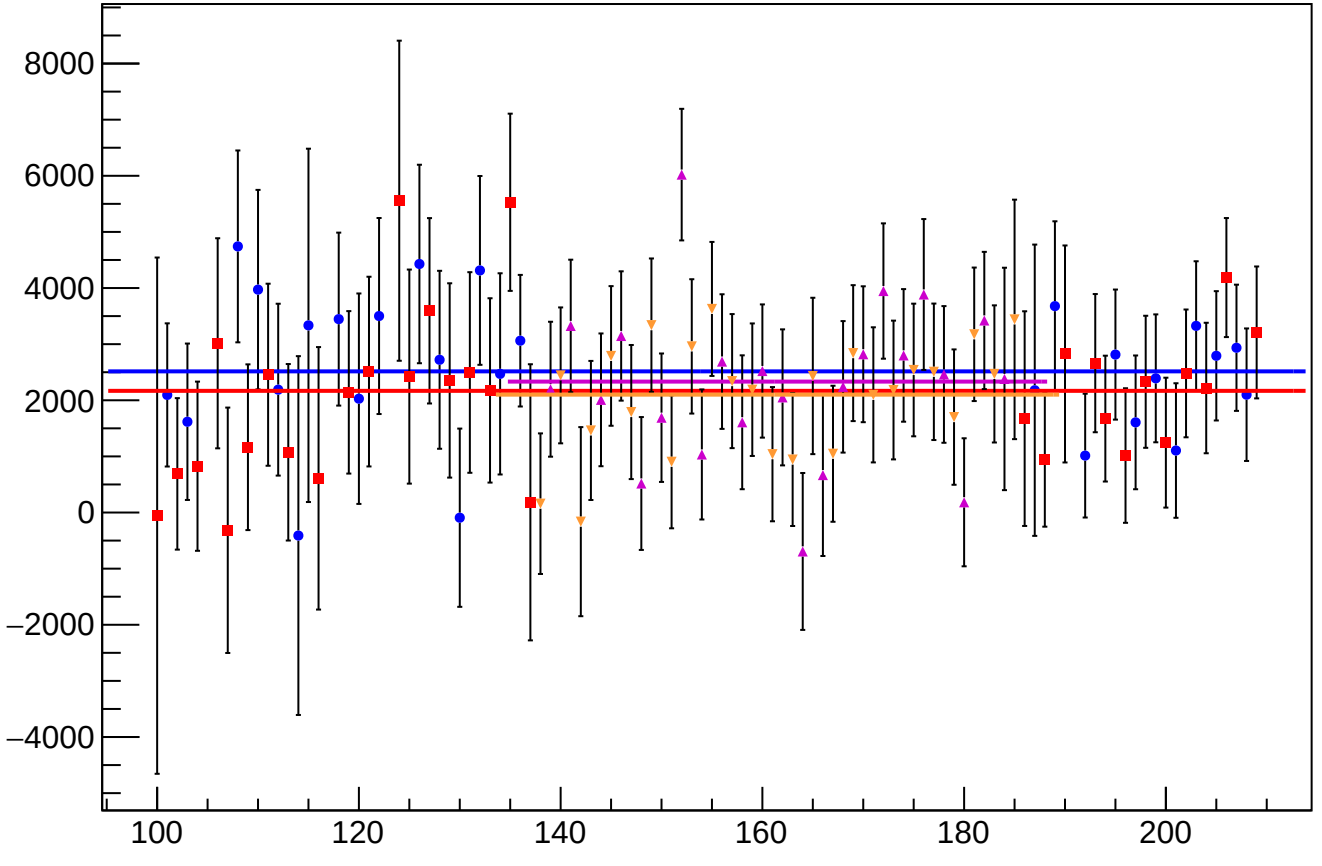
Right: 2014.448+/-0.265 χ^2/NDF: 6014786.5/56

In: 1639.391+/-0.208 χ^2/NDF:5157718.1/49

Out: 1673.248+/-0.206 χ^2/NDF:5224651.1/54

All: 1656.466+/-0.146 χ^2/NDF: 10395738.3/1

eigen_cor_asym_usr_mean vs Slug, Sign Corrected



Right In: 2515.293+/-274.283 χ^2/NDF: 15.2/26

Left Out: 2100.398+/-248.306 χ^2/NDF:13.8/24

Right Out: 2168.121+/-266.115 χ^2/NDF: 20.2/30

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

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

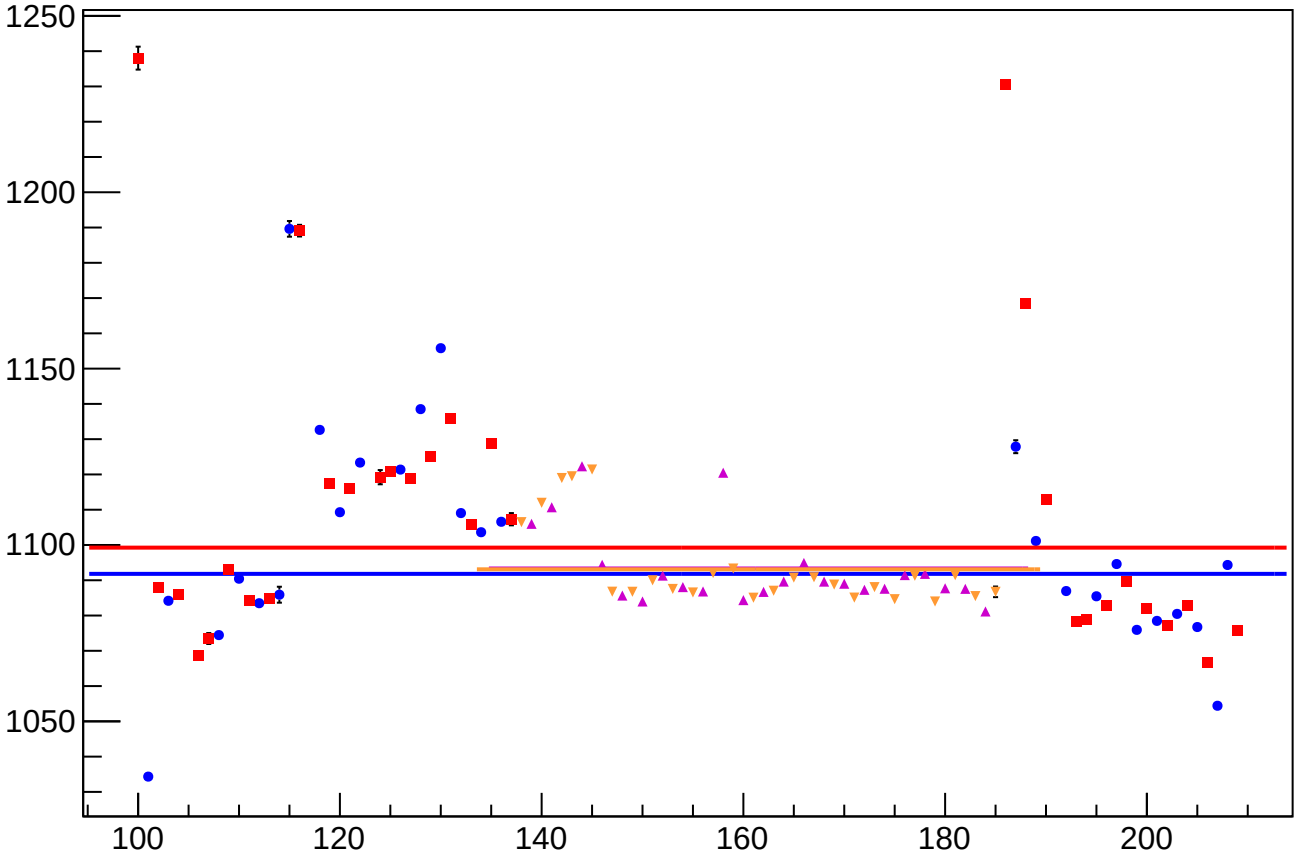
Right: 2336.461+/-190.994 χ^2/NDF: 36.2/57

In: 2417.591+/-186.869 χ^2/NDF:44.9/49

Out: 2131.918+/-181.549 χ^2/NDF:34.1/55

All: 2270.630+/-130.215 χ^2/NDF: 80.2/105

eigen_cor_asym_usr_rms vs Slug, Sign Corrected



Right In: 1091.814+/-0.194 χ^2/NDF: 18675.4/26

Left Out: 1093.102+/-0.176 χ^2/NDF:3983.2/24

Right Out: 1099.250+/-0.188 χ^2/NDF: 31723.3/30

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

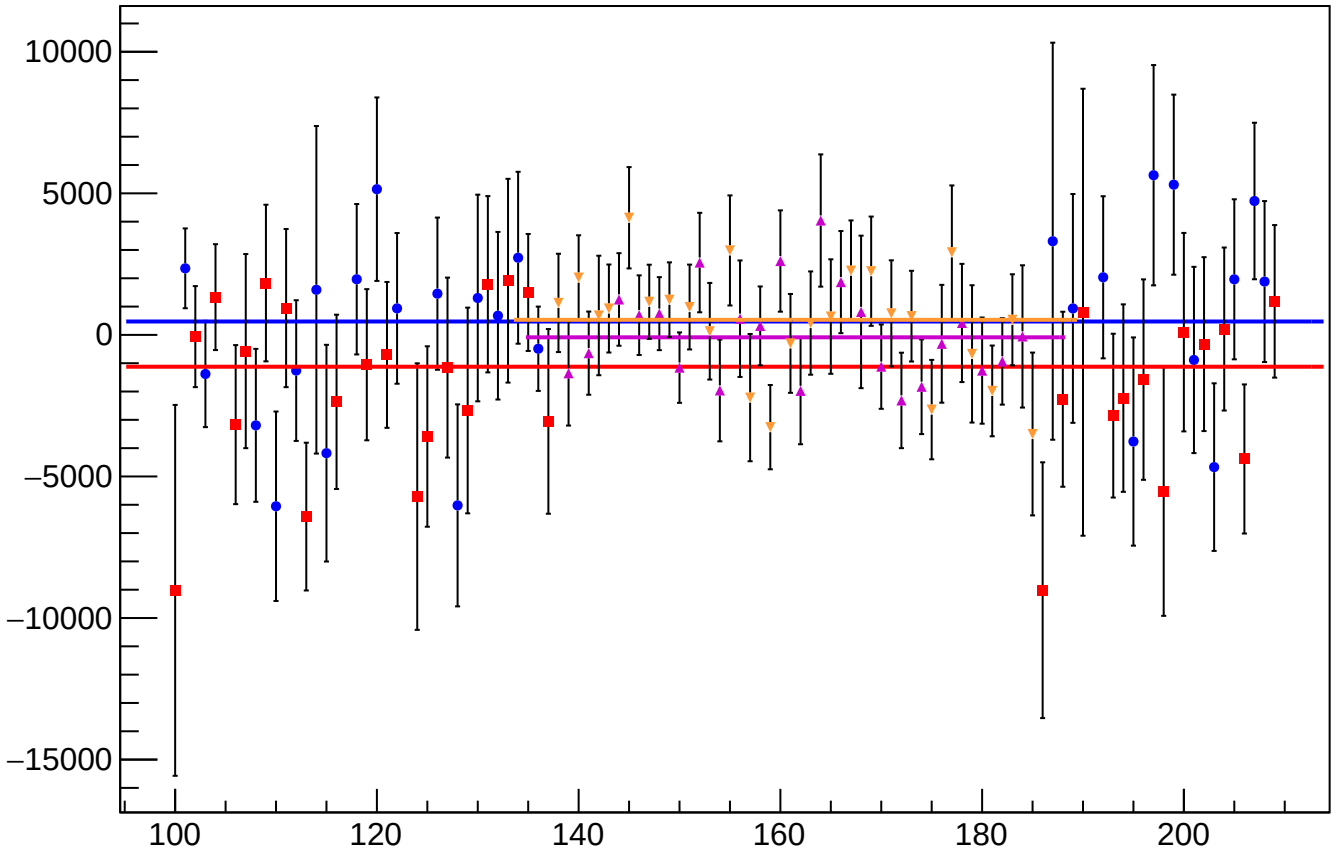
Left: 1093.217+/-0.126 χ^2/NDF: 7709.8/47

Right: 1095.645+/-0.135 χ^2/NDF: 51156.0/57

In: 1092.631+/-0.132 χ^2/NDF:22434.2/49

Out: 1095.964+/-0.128 χ^2/NDF:36277.2/55

All: 1094.345+/-0.092 χ^2/NDF: 59038.7/105



Right In: 473.296+/-523.681 χ^2/NDF: 29.3/26

Left Out: 532.982+/-347.223 χ^2/NDF:26.4/24

Right Out: -1124.174+/-529.478 χ^2/NDF: 22.8/30

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

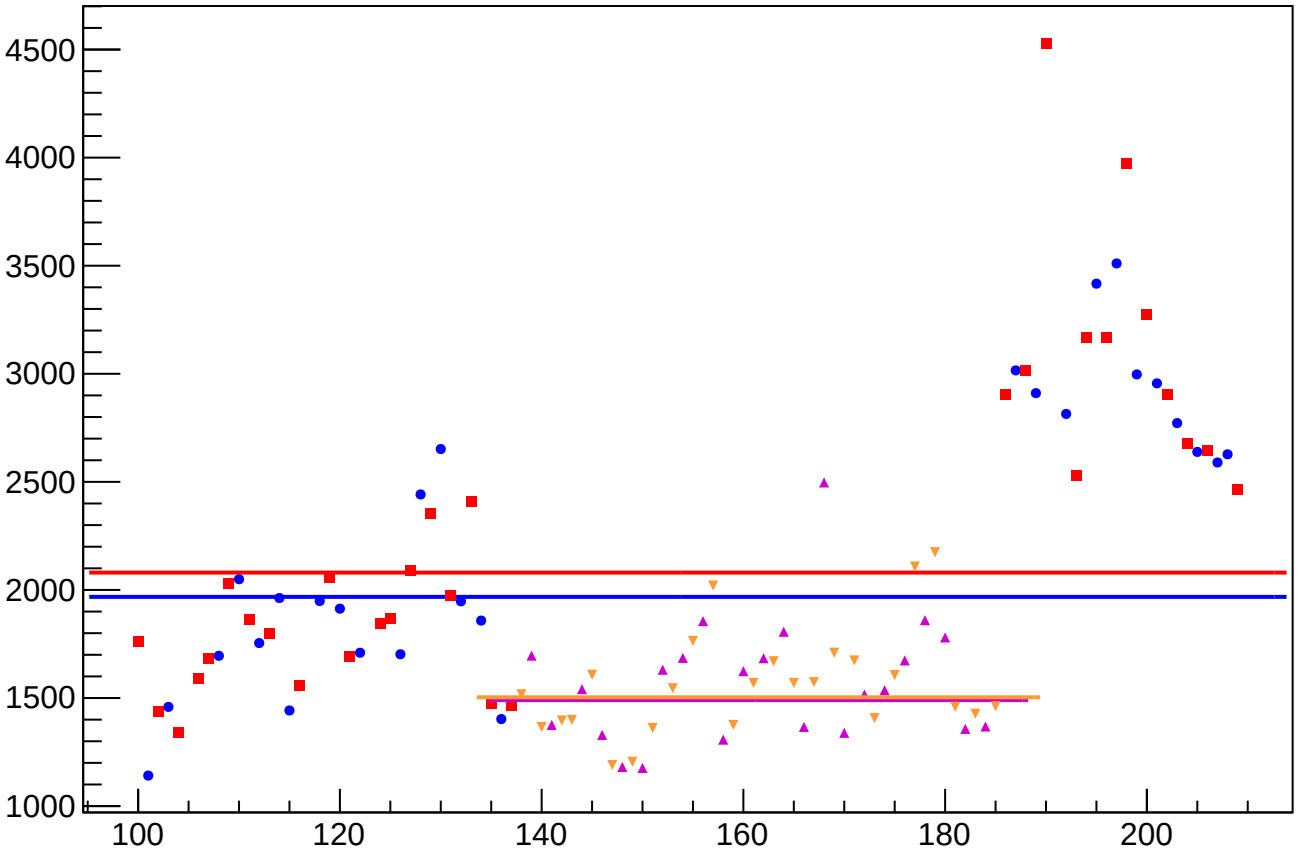
Left: 229.744+/-247.862 χ^2/NDF: 46.1/47

Right: -316.646+/-372.331 χ^2/NDF: 56.6/57

In: 89.831+/-293.241 χ^2/NDF:48.1/49

Out: 34.635+/-290.357 χ^2/NDF:56.1/55

All: 61.961+/-206.325 χ^2/NDF: 104.2/105



Right In: 1967.987+/-0.370 χ^2/NDF: 3156695.6/26

Left Out: 1503.437+/-0.246 χ^2/NDF:799670.9/24

Right Out: 2080.431+/-0.374 χ^2/NDF: 2954820.6/30

Left In: 1490.314+/-0.250 χ^2/NDF:968221.5/22

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

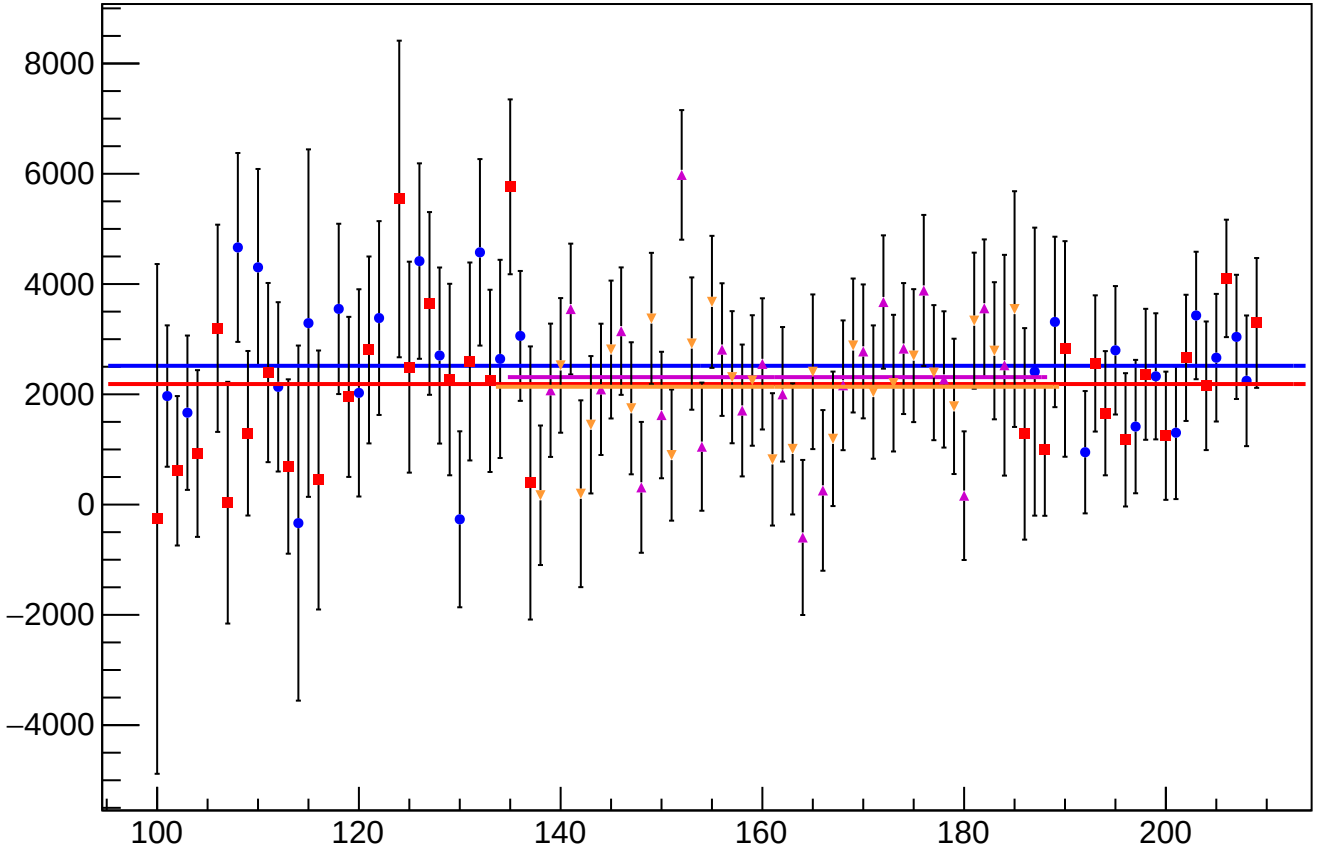
Right: 2023.590+/-0.263 χ^2/NDF: 6157112.4/57

In: 1640.092+/-0.207 χ^2/NDF:5267171.9/49

Out: 1676.953+/-0.205 χ^2/NDF:5415318.9/55

All: 1658.704+/-0.146 χ^2/NDF: 10698448.3/1

dit_asym_usr_mean vs Slug, Sign Corrected



Right In: 2517.153+/-275.745 χ^2/NDF: 15.8/26

Left Out: 2137.184+/-250.195 χ^2/NDF:13.9/24

Right Out: 2186.289+/-267.381 χ^2/NDF: 20.7/30

Left In: 2311.761+/-257.036 χ^2/NDF:29.9/22

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

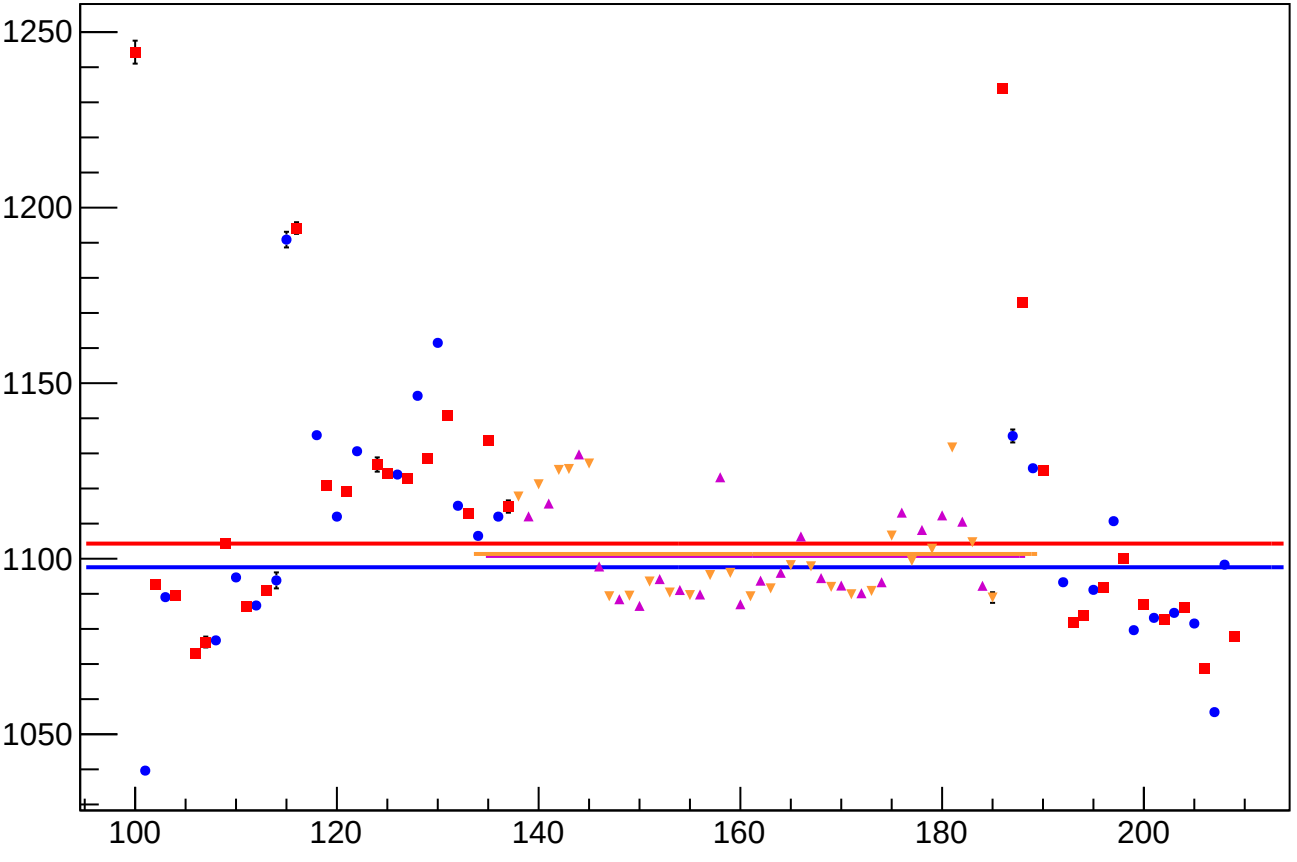
Right: 2346.626+/-191.956 χ^2/NDF: 37.2/57

In: 2407.253+/-188.018 χ^2/NDF:46.0/49

Out: 2160.108+/-182.688 χ^2/NDF:34.6/55

All: 2280.128+/-131.024 χ^2/NDF: 81.6/105

dit_asym_usr_rms vs Slug, Sign Corrected



Right In: 1097.569+/-0.195 χ^2/NDF: 19913.1/26

Left Out: 1101.353+/-0.177 χ^2/NDF:5950.6/24

Right Out: 1104.306+/-0.189 χ^2/NDF: 31767.3/30

Left In: 1100.792+/-0.182 χ^2/NDF:4641.7/22

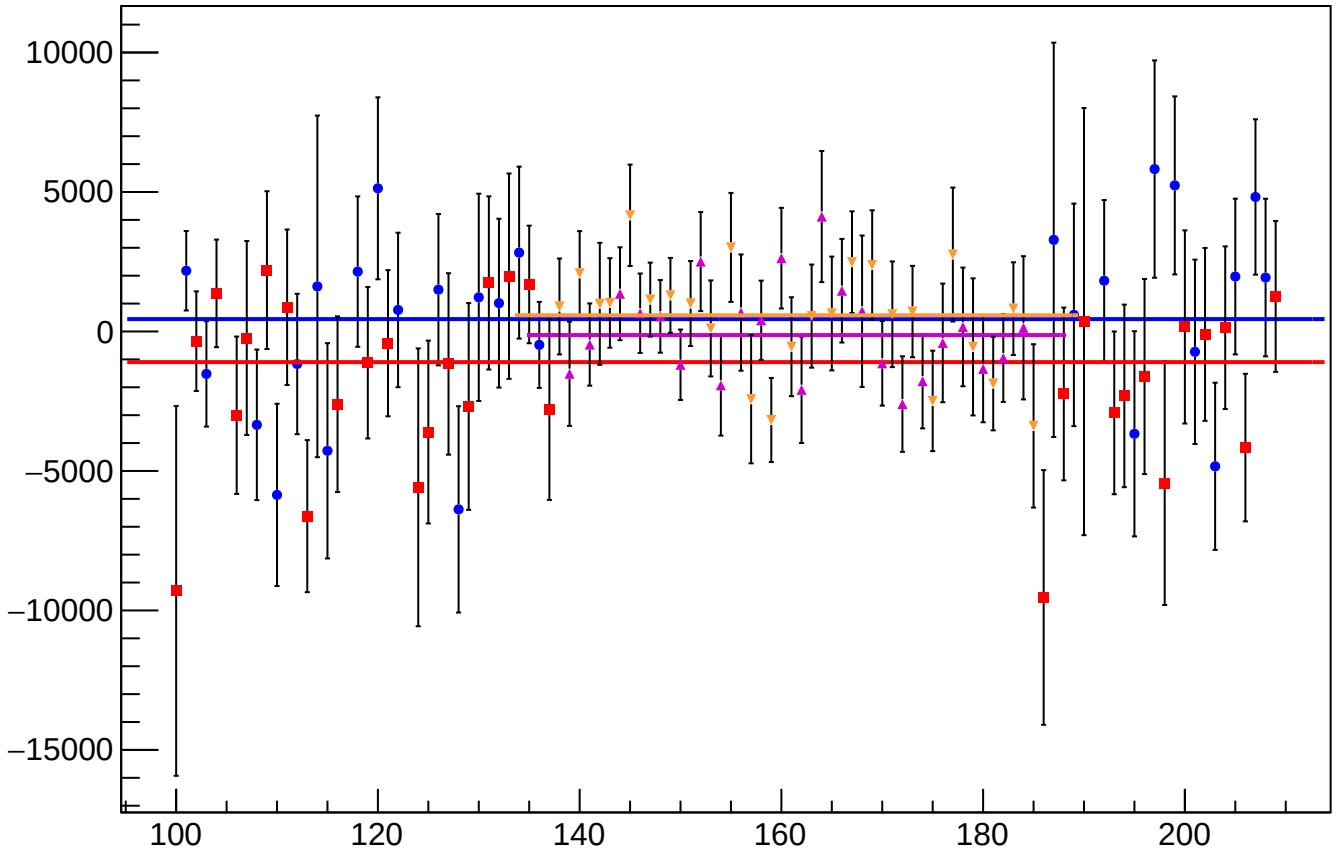
Left: 1101.080+/-0.127 χ^2/NDF: 10597.2/47

Right: 1101.041+/-0.136 χ^2/NDF: 52295.8/57

In: 1099.294+/-0.133 χ^2/NDF:24701.0/49

Out: 1102.732+/-0.129 χ^2/NDF:37848.0/55

All: 1101.062+/-0.093 χ^2/NDF: 62893.0/105



Right In: 443.652+/-529.913 χ^2/NDF: 29.3/26

Left Out: 581.427+/-353.389 χ^2/NDF:25.4/24

Right Out: -1098.128+/-535.874 χ^2/NDF: 22.9/30

Left In: -128.769+/-359.128 χ^2/NDF:17.9/22

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

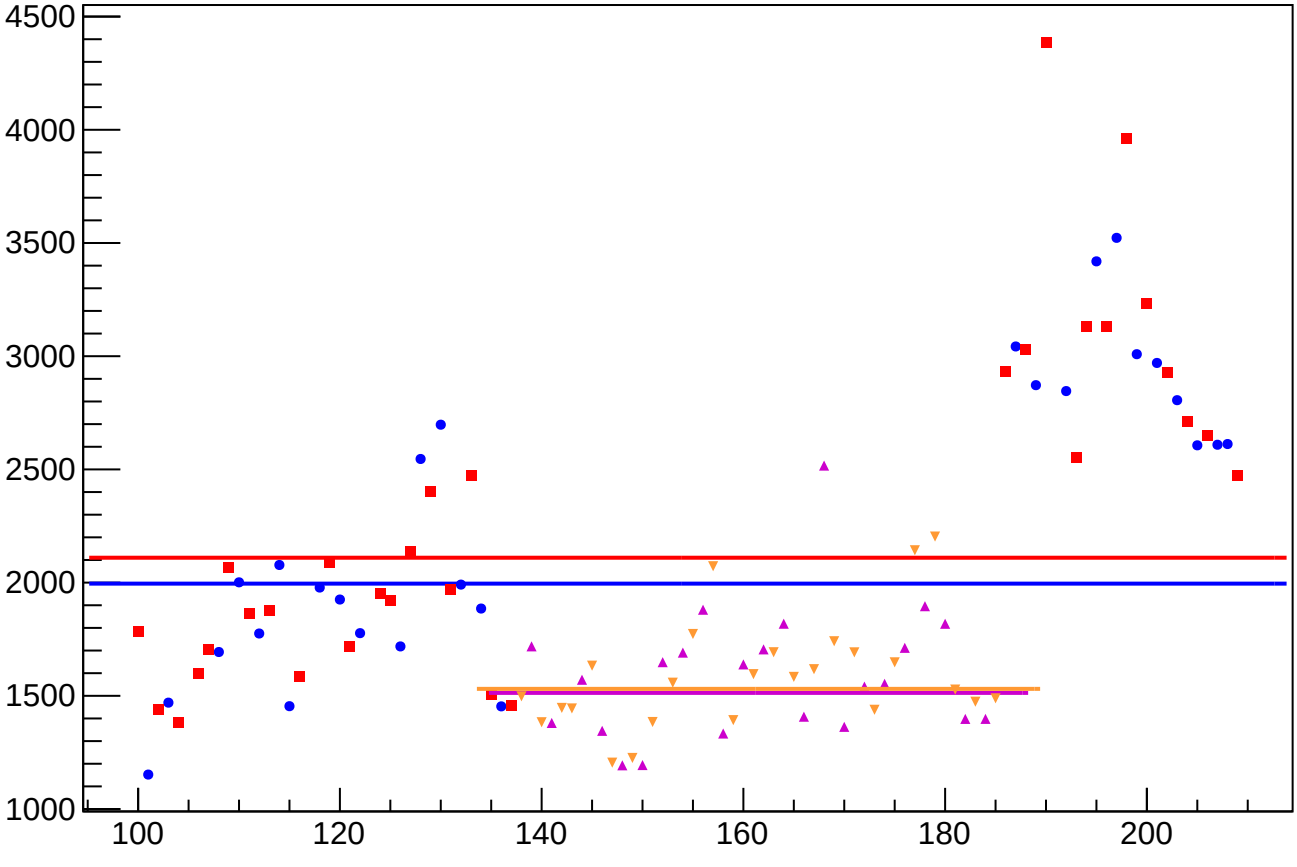
Right: -318.614+/-376.795 χ^2/NDF: 56.4/57

In: 51.393+/-297.289 χ^2/NDF:48.0/49

Out: 72.383+/-295.015 χ^2/NDF:55.1/55

All: 61.969+/-209.406 χ^2/NDF: 103.1/105

asym_usr_dit_correction_rms vs Slug, Sign Corrected



Right In: 1995.536+/-0.375 χ^2/NDF: 3067234.5/26

Left Out: 1530.764+/-0.250 χ^2/NDF:795634.5/24

Right Out: 2109.977+/-0.379 χ^2/NDF: 2829738.1/30

Left In: 1512.947+/-0.254 χ^2/NDF:957059.5/22

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

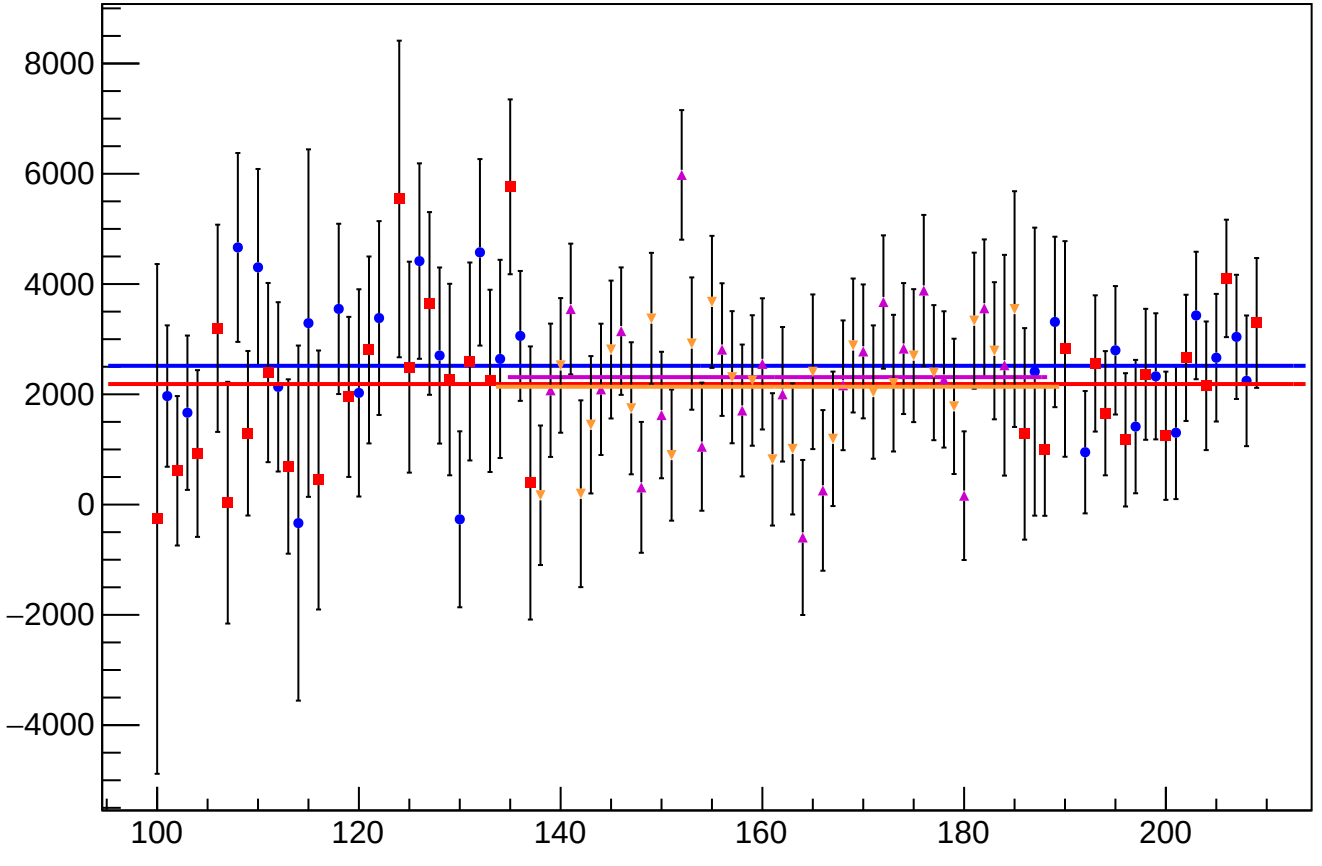
Right: 2052.116+/-0.266 χ^2/NDF: 5943090.6/57

In: 1664.836+/-0.210 χ^2/NDF:5160960.2/49

Out: 1706.314+/-0.209 χ^2/NDF:5253774.2/55

All: 1685.734+/-0.148 χ^2/NDF: 10434350.0/1

eigen_dit_asym_usr_mean vs Slug, Sign Corrected



Right In: 2517.153+/-275.745 χ^2/NDF: 15.8/26

Left Out: 2137.182+/-250.195 χ^2/NDF:13.9/24

Right Out: 2186.287+/-267.380 χ^2/NDF: 20.7/30

Left In: 2311.761+/-257.036 χ^2/NDF:29.9/22

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

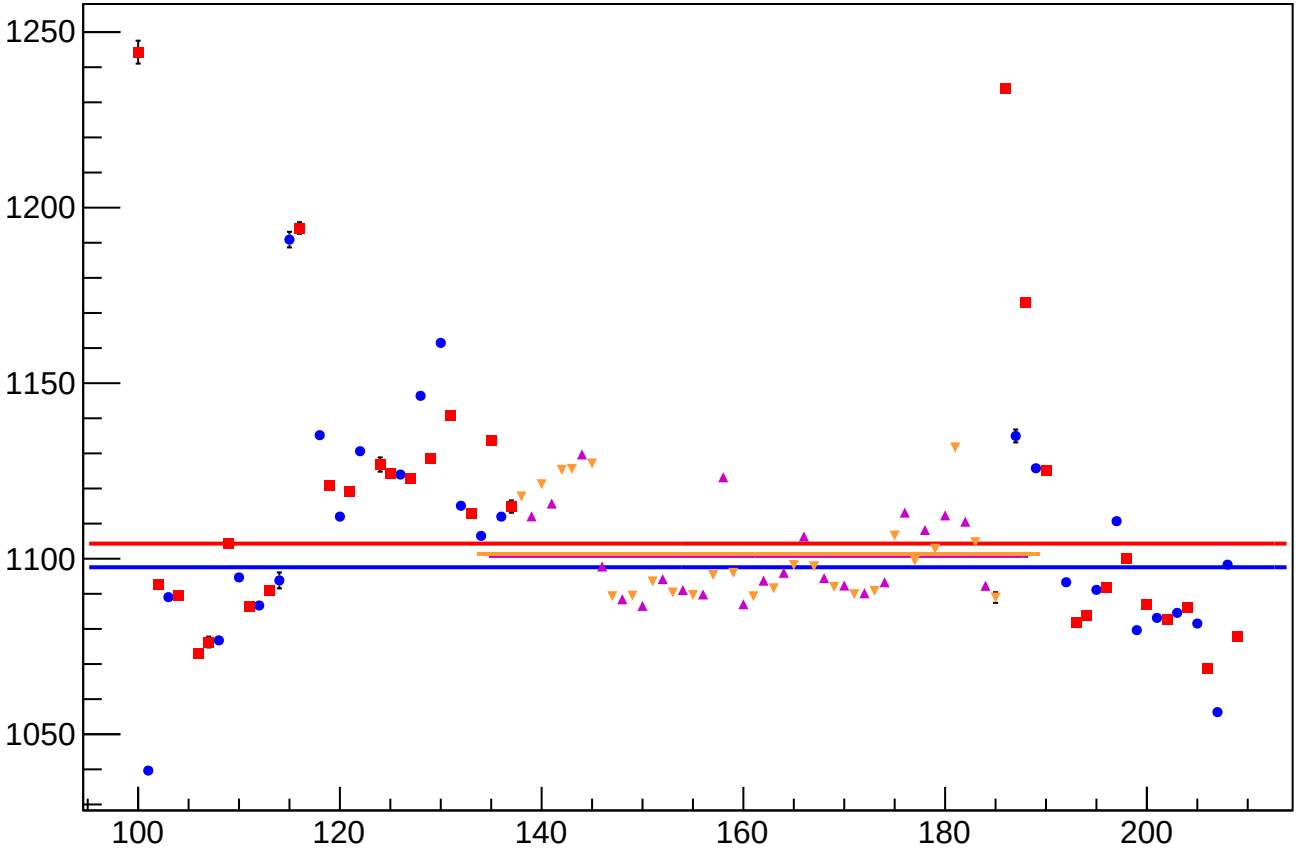
Right: 2346.626+/-191.956 χ^2/NDF: 37.2/57

In: 2407.253+/-188.018 χ^2/NDF:46.0/49

Out: 2160.106+/-182.688 χ^2/NDF:34.6/55

All: 2280.127+/-131.024 χ^2/NDF: 81.6/105

eigen_dit_asym_usr_rms vs Slug, Sign Corrected



Right In: 1097.569+/-0.195 χ^2/NDF: 19912.9/26

Left Out: 1101.353+/-0.177 χ^2/NDF:5950.6/24

Right Out: 1104.306+/-0.189 χ^2/NDF: 31767.3/30

Left In: 1100.792+/-0.182 χ^2/NDF:4641.7/22

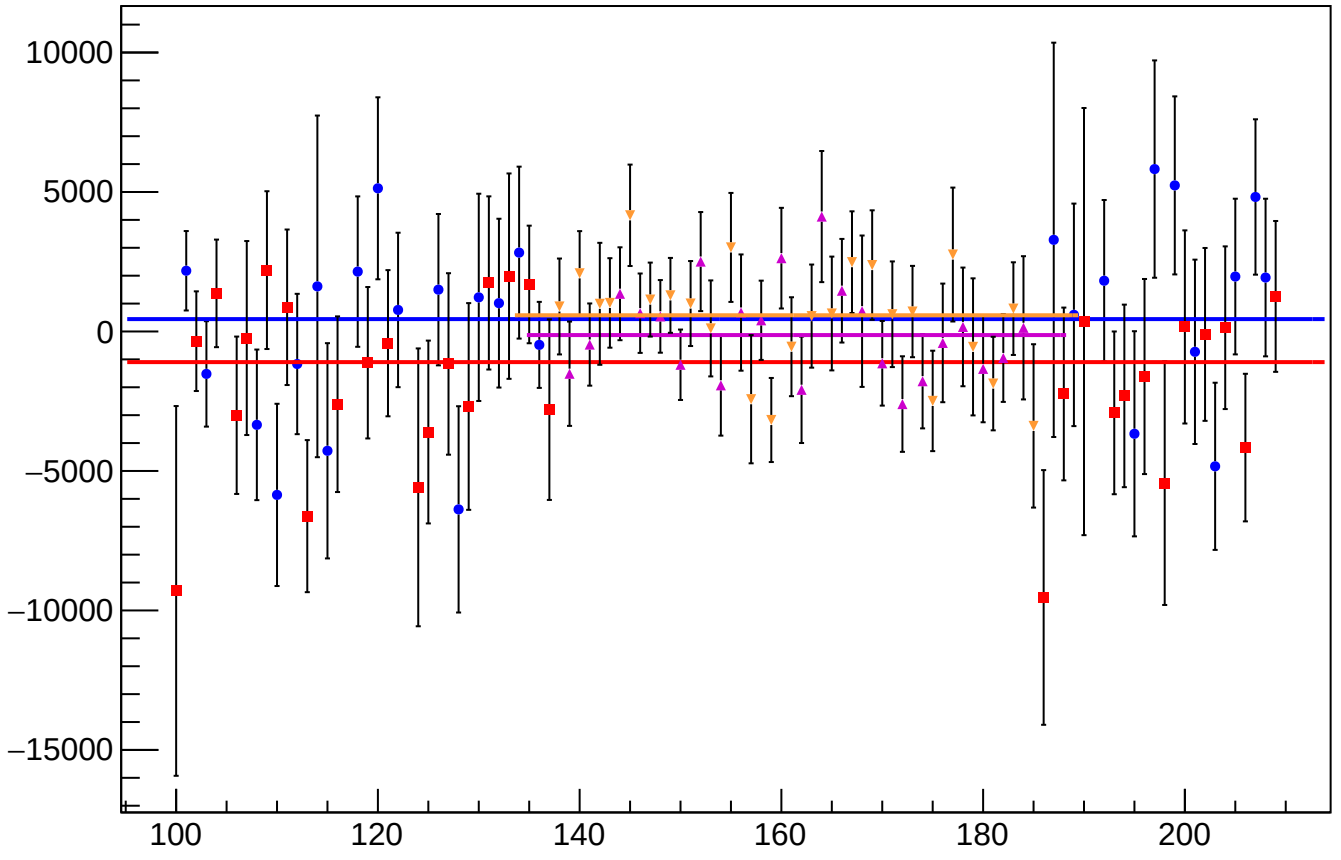
Left: 1101.081+/-0.127 χ^2/NDF: 10597.2/47

Right: 1101.041+/-0.136 χ^2/NDF: 52295.6/57

In: 1099.294+/-0.133 χ^2/NDF:24700.9/49

Out: 1102.732+/-0.129 χ^2/NDF:37847.9/55

All: 1101.062+/-0.093 χ^2/NDF: 62892.8/105



Right In: 443.647+/-529.912 χ^2/NDF: 29.3/26

Left Out: 581.426+/-353.390 χ^2/NDF:25.4/24

Right Out: -1098.128+/-535.874 χ^2/NDF: 22.9/30

Left In: -128.769+/-359.129 χ^2/NDF:17.9/22

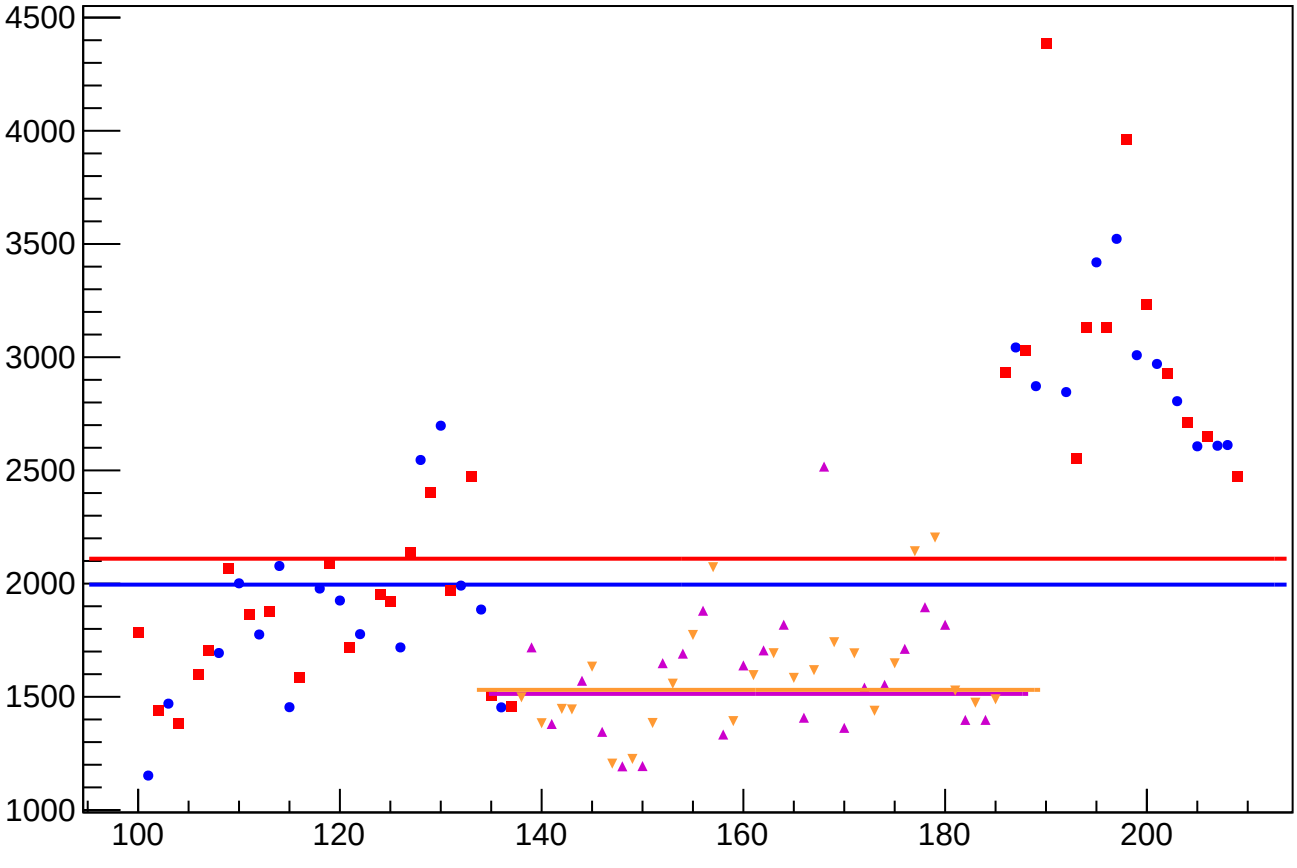
Left: 232.049+/-251.889 χ^2/NDF: 45.2/47

Right: -318.617+/-376.795 χ^2/NDF: 56.4/57

In: 51.392+/-297.289 χ^2/NDF:48.0/49

Out: 72.380+/-295.015 χ^2/NDF:55.1/55

All: 61.967+/-209.406 χ^2/NDF: 103.1/105



Right In: 1995.534+/-0.375 χ^2/NDF: 3067241.8/26

Left Out: 1530.768+/-0.250 χ^2/NDF:795638.4/24

Right Out: 2109.975+/-0.379 χ^2/NDF: 2829736.4/30

Left In: 1512.951+/-0.254 χ^2/NDF:957065.2/22

Left: 1522.003+/-0.178 χ^2/NDF: 1755204.7/47

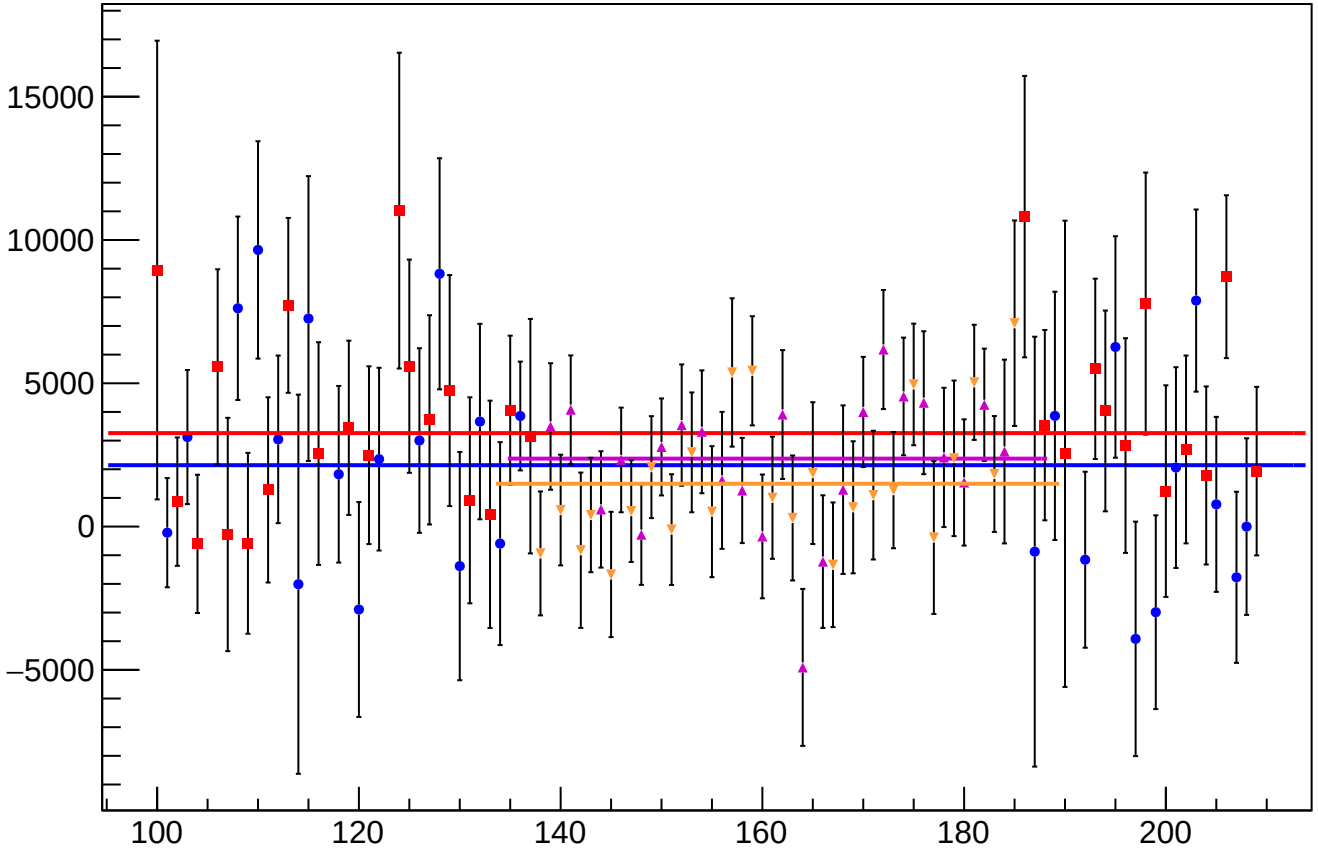
Right: 2052.114+/-0.266 χ^2/NDF: 5943096.4/57

In: 1664.838+/-0.210 χ^2/NDF:5160946.9/49

Out: 1706.317+/-0.209 χ^2/NDF:5253745.8/55

All: 1685.737+/-0.148 χ^2/NDF: 10434308.6/

asym_usr_mean vs Slug, Sign Corrected



Right In: 2141.750+/-615.325 χ^2/NDF: 29.9/26

Left Out: 1495.022+/-433.196 χ^2/NDF:23.8/24

Right Out: 3261.628+/-612.685 χ^2/NDF: 21.5/30

Left In: 2370.694+/-442.952 χ^2/NDF:23.7/22

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

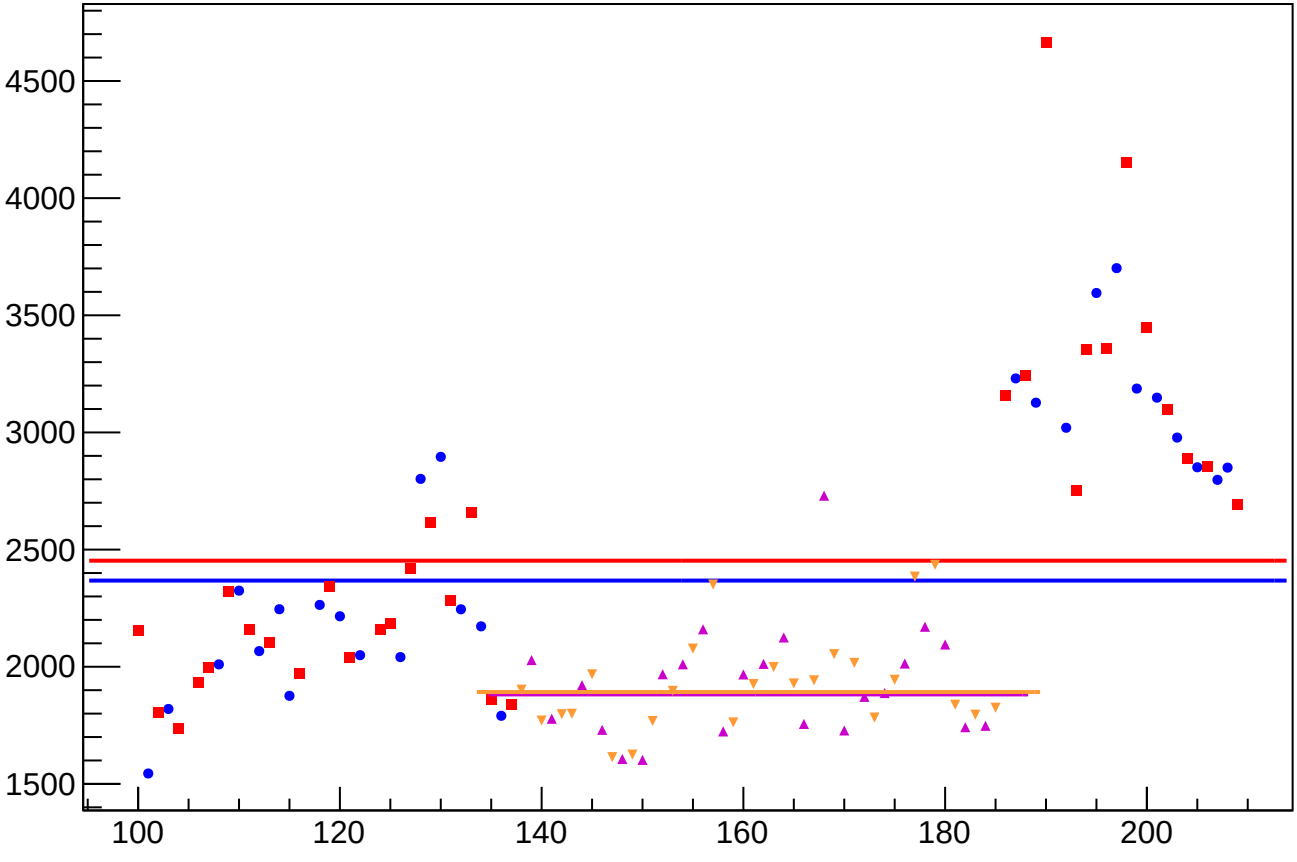
Right: 2704.096+/-434.164 χ^2/NDF: 53.0/57

In: 2292.548+/-359.494 χ^2/NDF:53.7/49

Out: 2083.821+/-353.713 χ^2/NDF:50.8/55

All: 2186.493+/-252.132 χ^2/NDF: 104.6/105

asym_usr_rms vs Slug, Sign Corrected



Right In: 2367.756+/-0.435 χ^2/NDF: 1871285.6/26

Left Out: 1892.117+/-0.306 χ^2/NDF:389648.0/24

Right Out: 2452.688+/-0.433 χ^2/NDF: 1873588.6/30

Left In: 1881.892+/-0.313 χ^2/NDF:462659.6/22

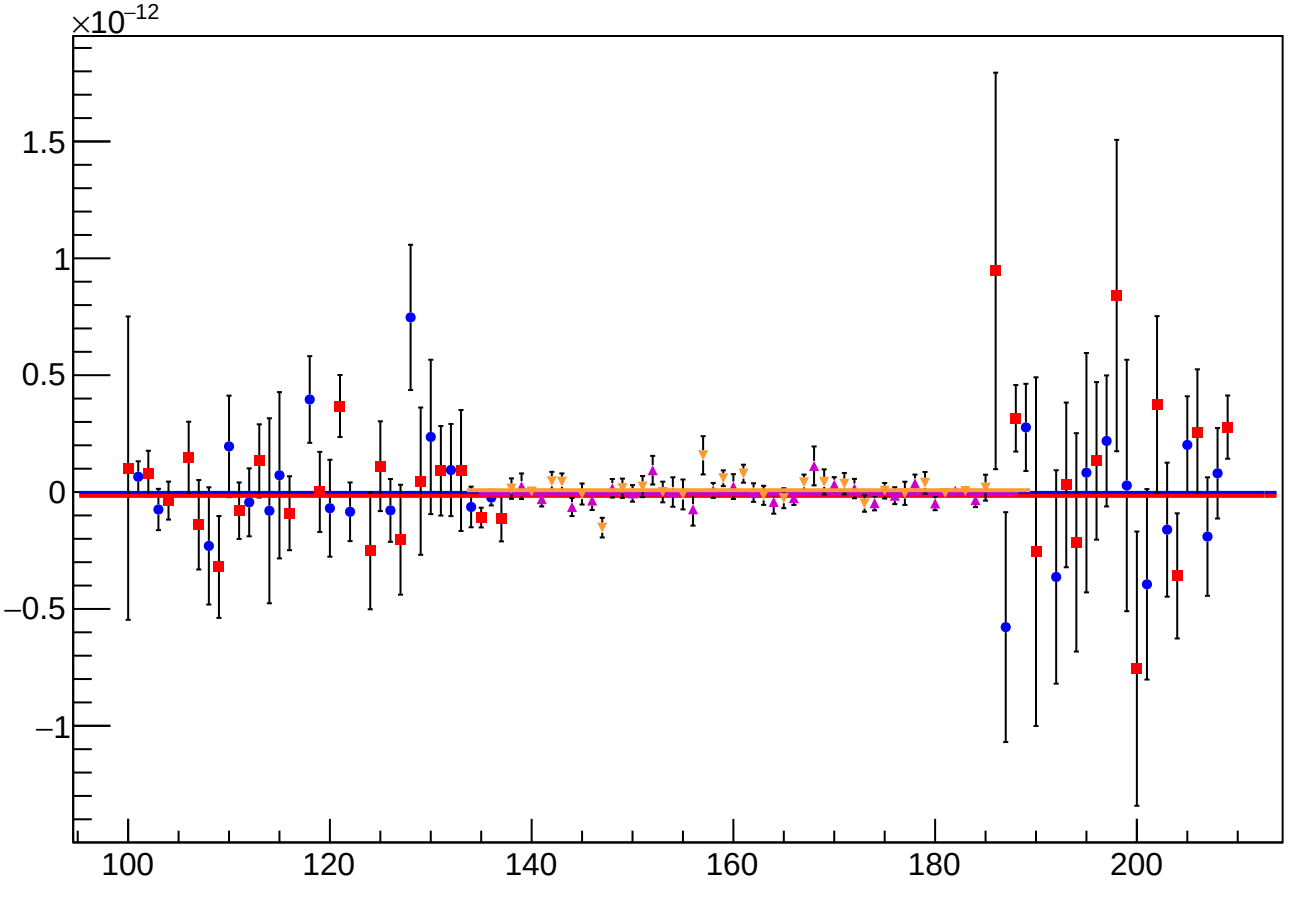
Left: 1887.118+/-0.219 χ^2/NDF: 852852.3/47

Right: 2410.404+/-0.307 χ^2/NDF: 3764007.9/57

In: 2047.731+/-0.254 χ^2/NDF:3155276.8/49

Out: 2078.952+/-0.250 χ^2/NDF:3379457.8/55

All: 2063.595+/-0.178 χ^2/NDF: 6542399.1/10



Right In: -0.000+/-0.000 χ^2/NDF: 24.3/26

Left Out: 0.000+/-0.000 χ^2/NDF:32.4/24

Right Out: -0.000+/-0.000 χ^2/NDF: 41.6/30

Left In: -0.000+/-0.000 χ^2/NDF:19.1/22

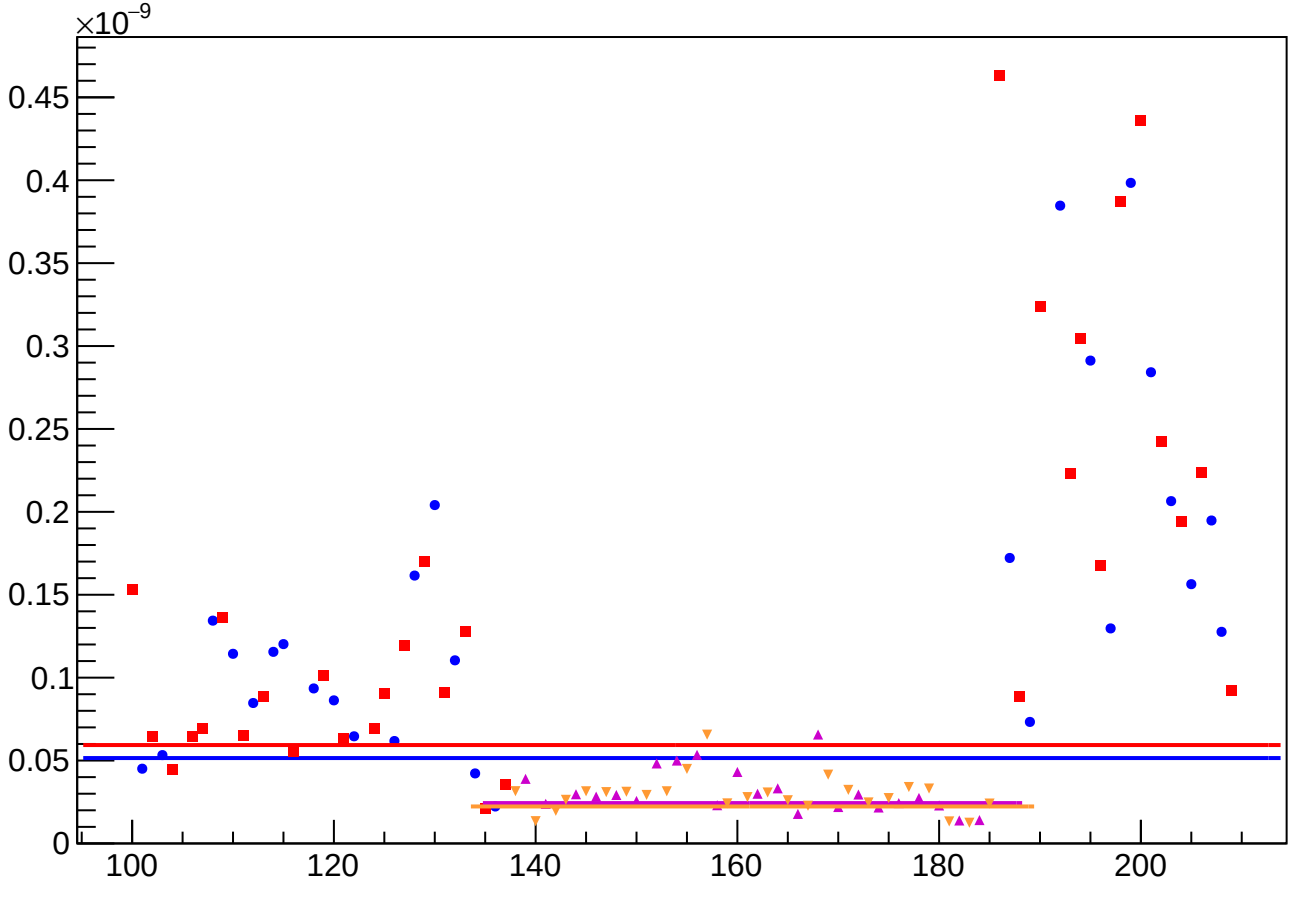
Left: 0.000+/-0.000 χ^2/NDF: 54.2/47

Right: -0.000+/-0.000 χ^2/NDF: 66.1/57

In: -0.000+/-0.000 χ^2/NDF:43.4/49

Out: 0.000+/-0.000 χ^2/NDF:74.8/55

All: -0.000+/-0.000 χ^2/NDF: 120.6/105



Right In: 0.000+/-0.000 χ^2/NDF: 8560687.9/26

Left Out: 0.000+/-0.000 χ^2/NDF:3629538.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 8064515.7/30

Left In: 0.000+/-0.000 χ^2/NDF:3124271.4/22

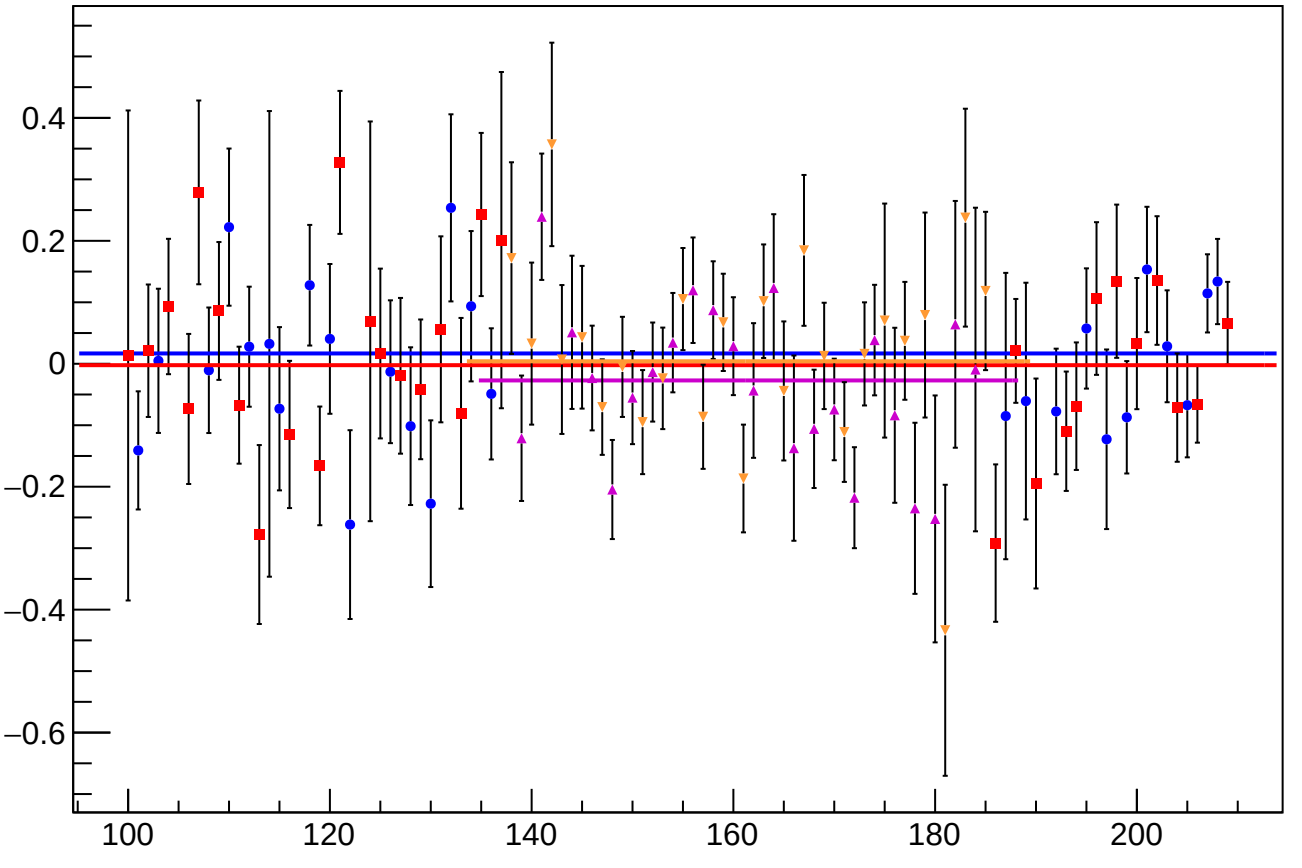
Left: 0.000+/-0.000 χ^2/NDF: 6833582.6/47

Right: 0.000+/-0.000 χ^2/NDF: 16728316.8/57

In: 0.000+/-0.000 χ^2/NDF:14140502.8/49

Out: 0.000+/-0.000 χ^2/NDF:15629939.1/55

All: 0.000+/-0.000 χ^2/NDF: 29860356.5/105



Right In: 0.017+/-0.021 χ^2/NDF: 29.4/26

Left Out: 0.004+/-0.020 χ^2/NDF:28.2/24

Right Out: -0.002+/-0.020 χ^2/NDF: 40.3/30

Left In: -0.027+/-0.021 χ^2/NDF:32.0/22

Left: -0.011+/-0.014 χ^2/NDF: 61.3/47

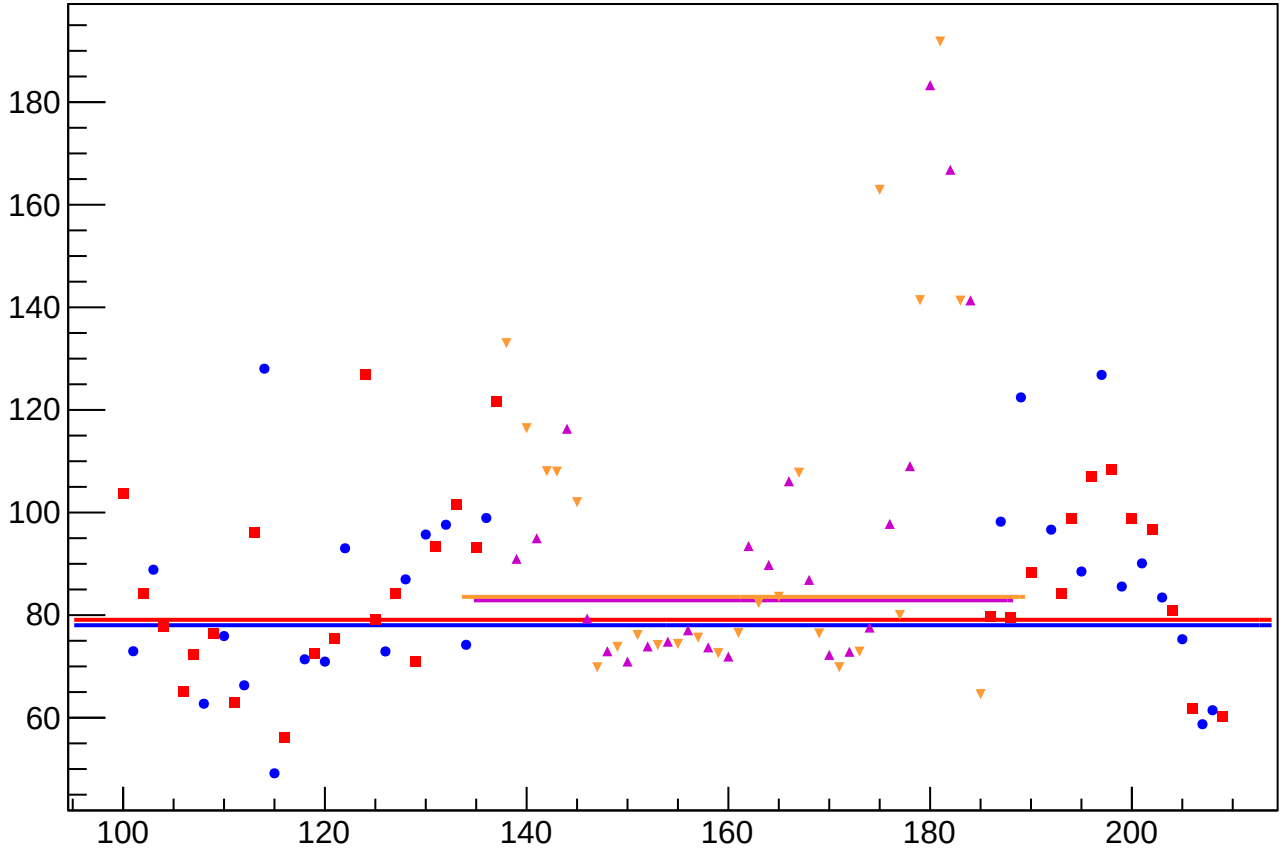
Right: 0.007+/-0.014 χ^2/NDF: 70.1/57

In: -0.005+/-0.015 χ^2/NDF:63.6/49

Out: 0.001+/-0.014 χ^2/NDF:68.5/55

All: -0.002+/-0.010 χ^2/NDF: 132.2/105

asym_usr_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 78.030+/-0.015 χ^2/NDF: 1203599.8/26

Left Out: 83.564+/-0.014 χ^2/NDF:2172931.4/24

Right Out: 79.092+/-0.014 χ^2/NDF: 1131203.6/30

Left In: 82.891+/-0.015 χ^2/NDF:1573003.1/22

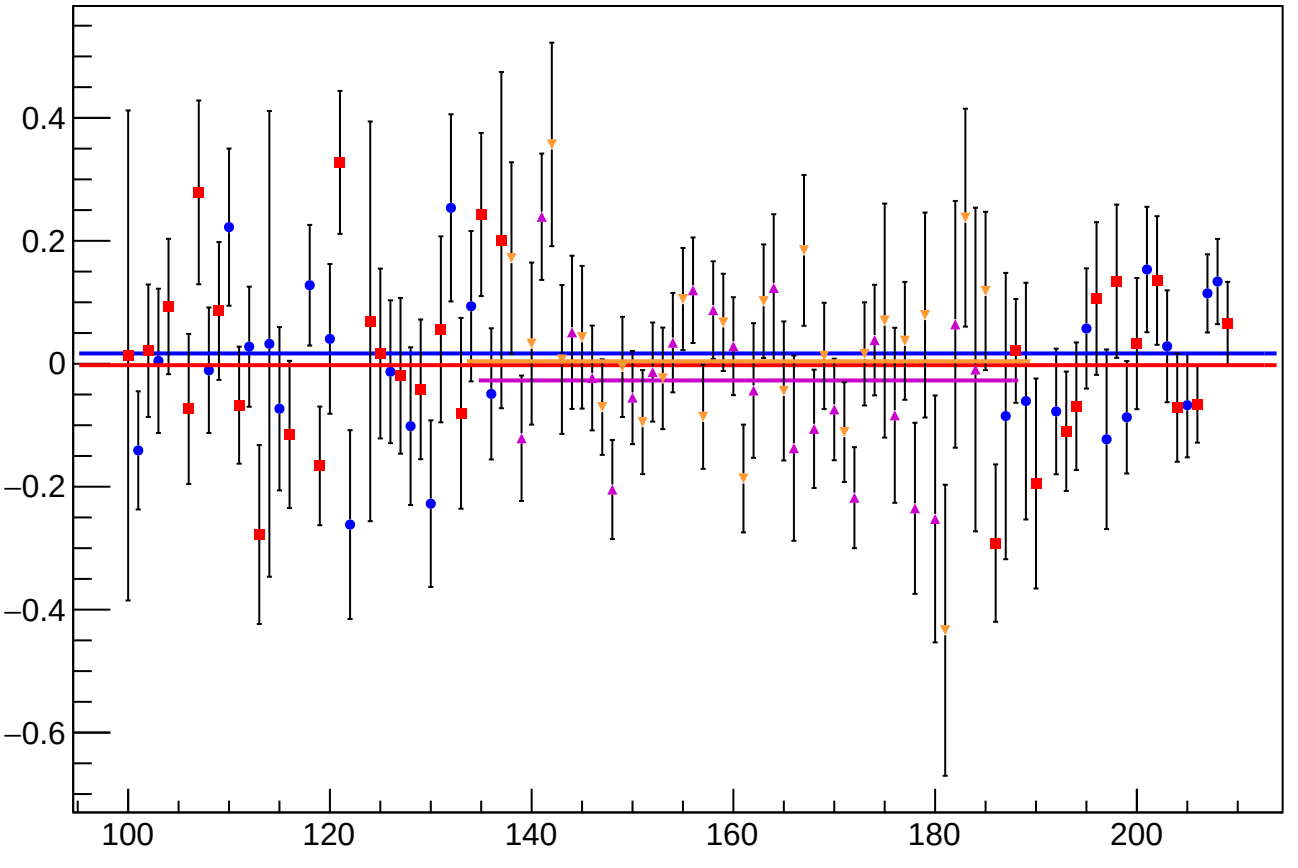
Left: 83.231+/-0.010 χ^2/NDF: 3747022.5/47

Right: 78.577+/-0.010 χ^2/NDF: 2337512.7/57

In: 80.480+/-0.010 χ^2/NDF:2832108.4/49

Out: 81.304+/-0.010 χ^2/NDF:3353189.8/55

All: 80.901+/-0.007 χ^2/NDF: 6188557.7/105



Right In: 0.017+/-0.021 χ^2/NDF: 29.4/26

Left Out: 0.004+/-0.020 χ^2/NDF:28.2/24

Right Out: -0.002+/-0.020 χ^2/NDF: 40.3/30

Left In: -0.027+/-0.021 χ^2/NDF:32.0/22

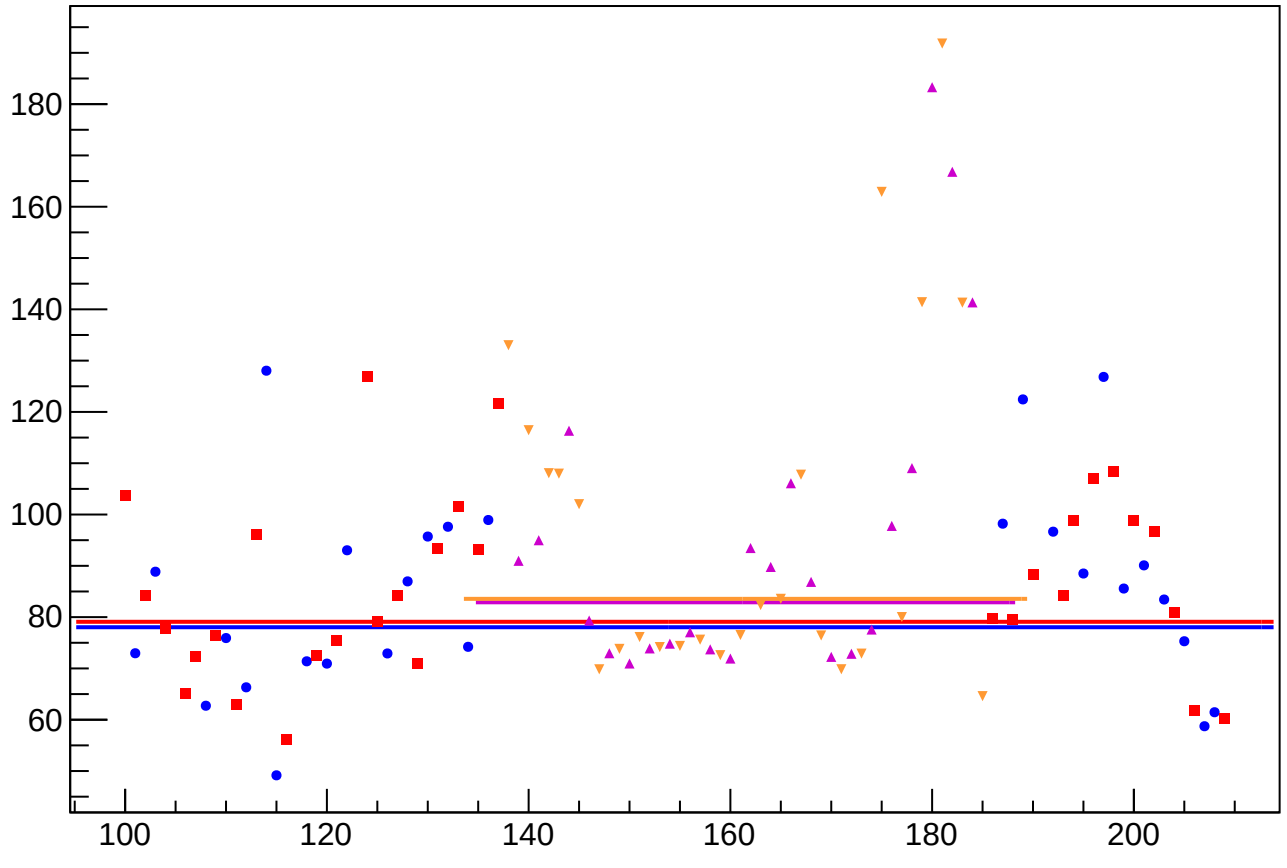
Left: -0.011+/-0.014 χ^2/NDF: 61.3/47

Right: 0.007+/-0.014 χ^2/NDF: 70.1/57

In: -0.005+/-0.015 χ^2/NDF:63.6/49

Out: 0.001+/-0.014 χ^2/NDF:68.5/55

All: -0.002+/-0.010 χ^2/NDF: 132.2/105



Right In: 78.030+/-0.015 χ^2/NDF: 1203599.8/26

Left Out: 83.564+/-0.014 χ^2/NDF:2172931.4/24

Right Out: 79.092+/-0.014 χ^2/NDF: 1131203.6/30

Left In: 82.891+/-0.015 χ^2/NDF:1573003.1/22

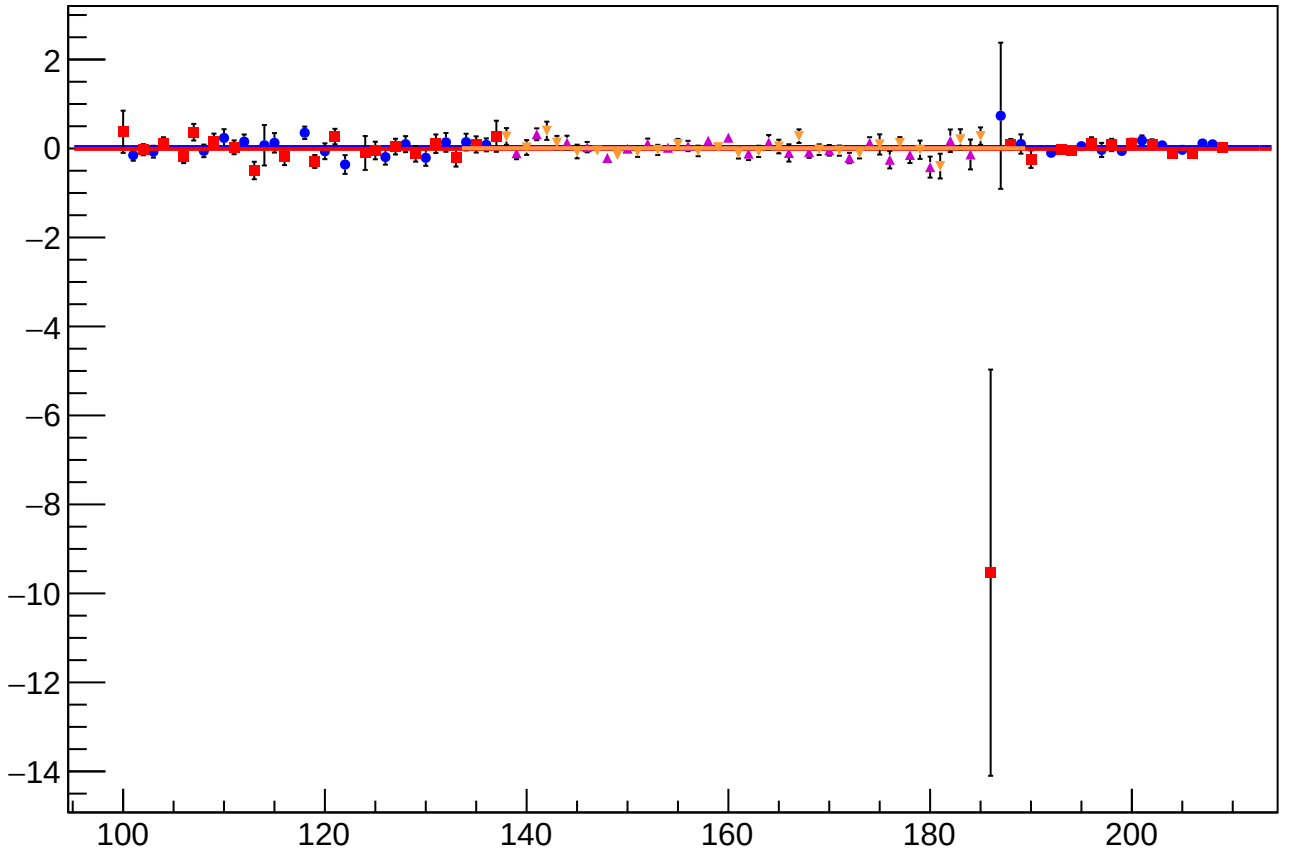
Left: 83.231+/-0.010 χ^2/NDF: 3747022.5/47

Right: 78.577+/-0.010 χ^2/NDF: 2337512.7/57

In: 80.480+/-0.010 χ^2/NDF:2832108.4/49

Out: 81.304+/-0.010 χ^2/NDF:3353189.8/55

All: 80.901+/-0.007 χ^2/NDF: 6188557.7/105



Right In: 0.032+/-0.027 χ^2/NDF: 24.3/26

Left Out: 0.006+/-0.028 χ^2/NDF:21.3/24

Right Out: -0.009+/-0.026 χ^2/NDF: 35.7/30

Left In: 0.010+/-0.028 χ^2/NDF:31.3/22

Left: 0.008+/-0.020 χ^2/NDF: 52.6/47

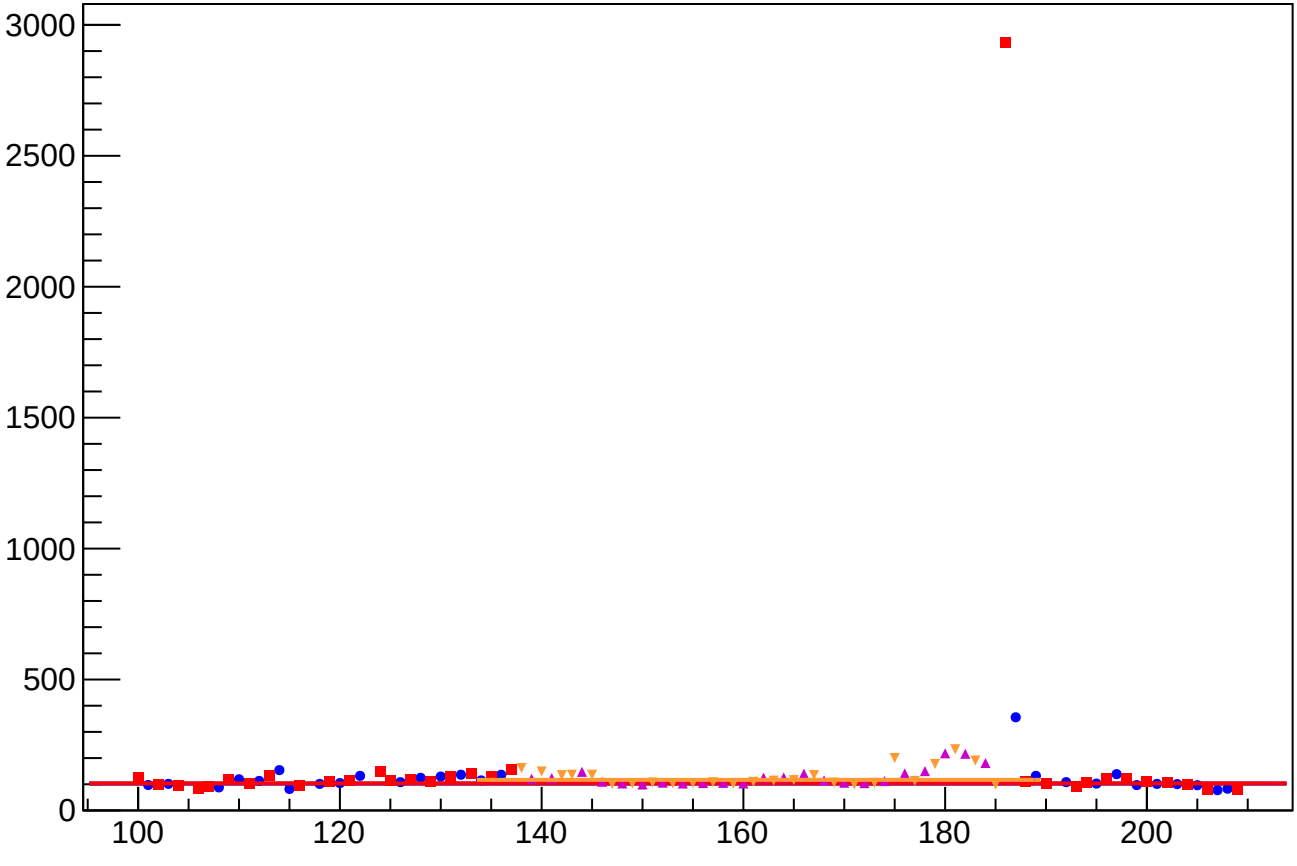
Right: 0.011+/-0.019 χ^2/NDF: 61.2/57

In: 0.022+/-0.019 χ^2/NDF:56.0/49

Out: -0.002+/-0.019 χ^2/NDF:57.2/55

All: 0.010+/-0.014 χ^2/NDF: 113.9/105

asym_usr_dit_vs_overload_cor_diff_rms vs Slug, Sign Corrected



Right In: 102.530+/-0.019 χ^2/NDF: 851001.3/26

Left Out: 116.880+/-0.020 χ^2/NDF:1596935.1/24

Right Out: 103.316+/-0.018 χ^2/NDF: 1544094.6/30

Left In: 115.858+/-0.020 χ^2/NDF:1231382.1/22

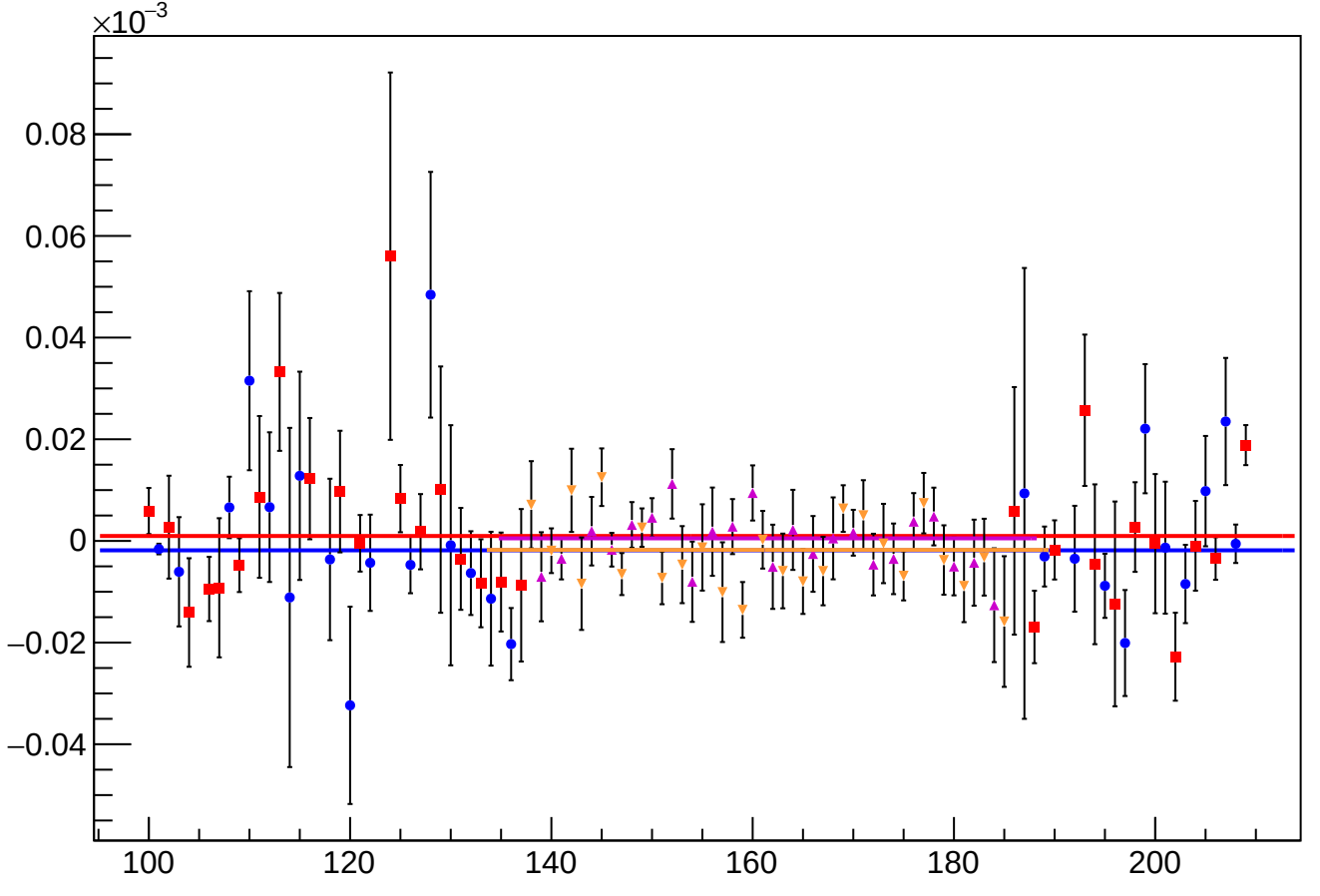
Left: 116.376+/-0.014 χ^2/NDF: 2829653.1/47

Right: 102.934+/-0.013 χ^2/NDF: 2395974.0/57

In: 108.888+/-0.014 χ^2/NDF:2316615.4/49

Out: 109.693+/-0.013 χ^2/NDF:3393977.2/55

All: 109.299+/-0.010 χ^2/NDF: 5712345.3/105



Right In: -0.000+/-0.000 χ^2/NDF: 35.5/26

Left Out: -0.000+/-0.000 χ^2/NDF:31.1/24

Right Out: 0.000+/-0.000 χ^2/NDF: 59.3/30

Left In: 0.000+/-0.000 χ^2/NDF:15.6/22

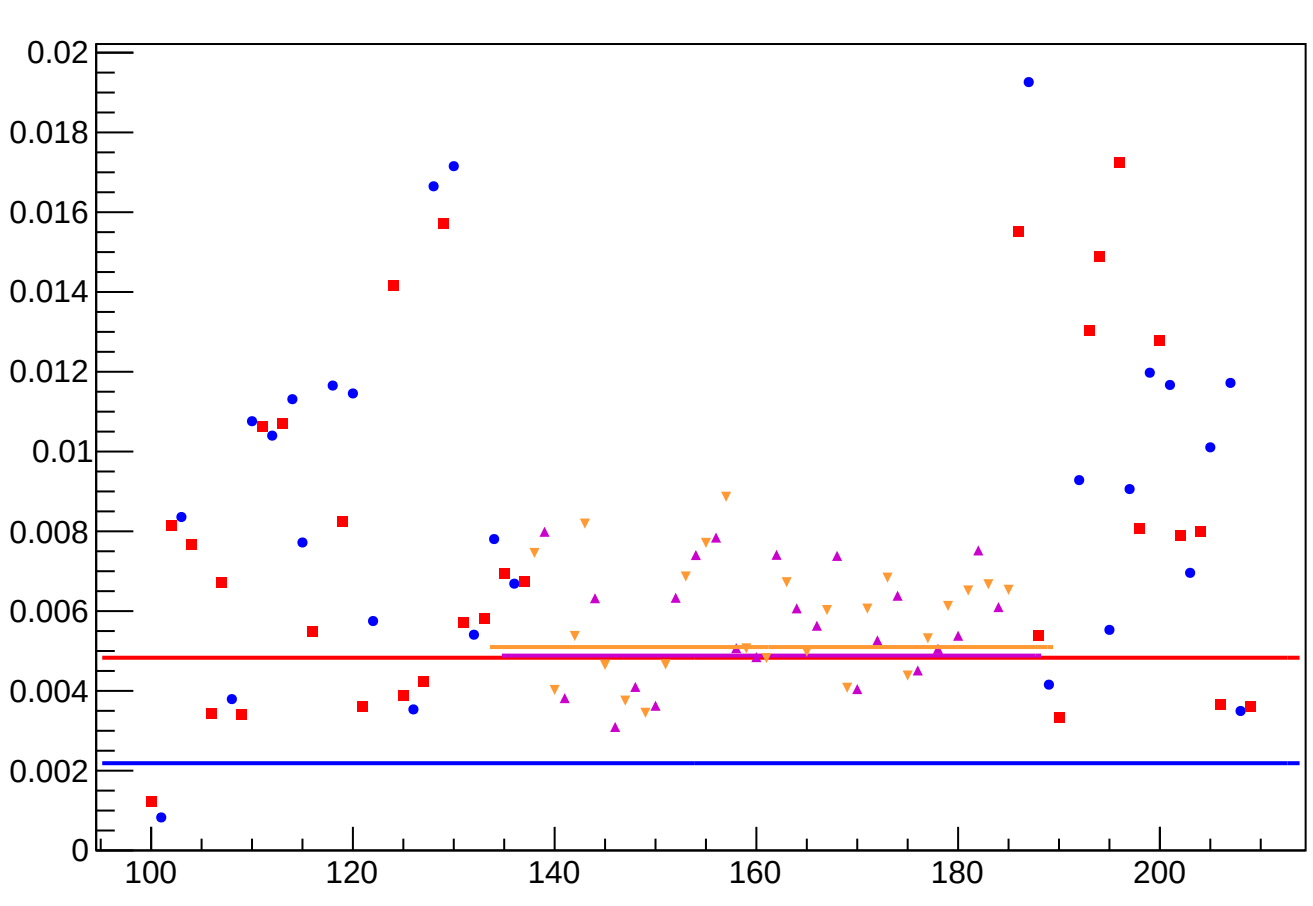
Left: -0.000+/-0.000 χ^2/NDF: 48.4/47

Right: -0.000+/-0.000 χ^2/NDF: 97.6/57

In: -0.000+/-0.000 χ^2/NDF:53.5/49

Out: -0.000+/-0.000 χ^2/NDF:92.5/55

All: -0.000+/-0.000 χ^2/NDF: 146.2/105



Right In: 0.002+/-0.000 χ^2/NDF: 18504415.1/26

Left Out: 0.005+/-0.000 χ^2/NDF:2378649.6/24

Right Out: 0.005+/-0.000 χ^2/NDF: 8000440.8/30

Left In: 0.005+/-0.000 χ^2/NDF:2725463.9/22

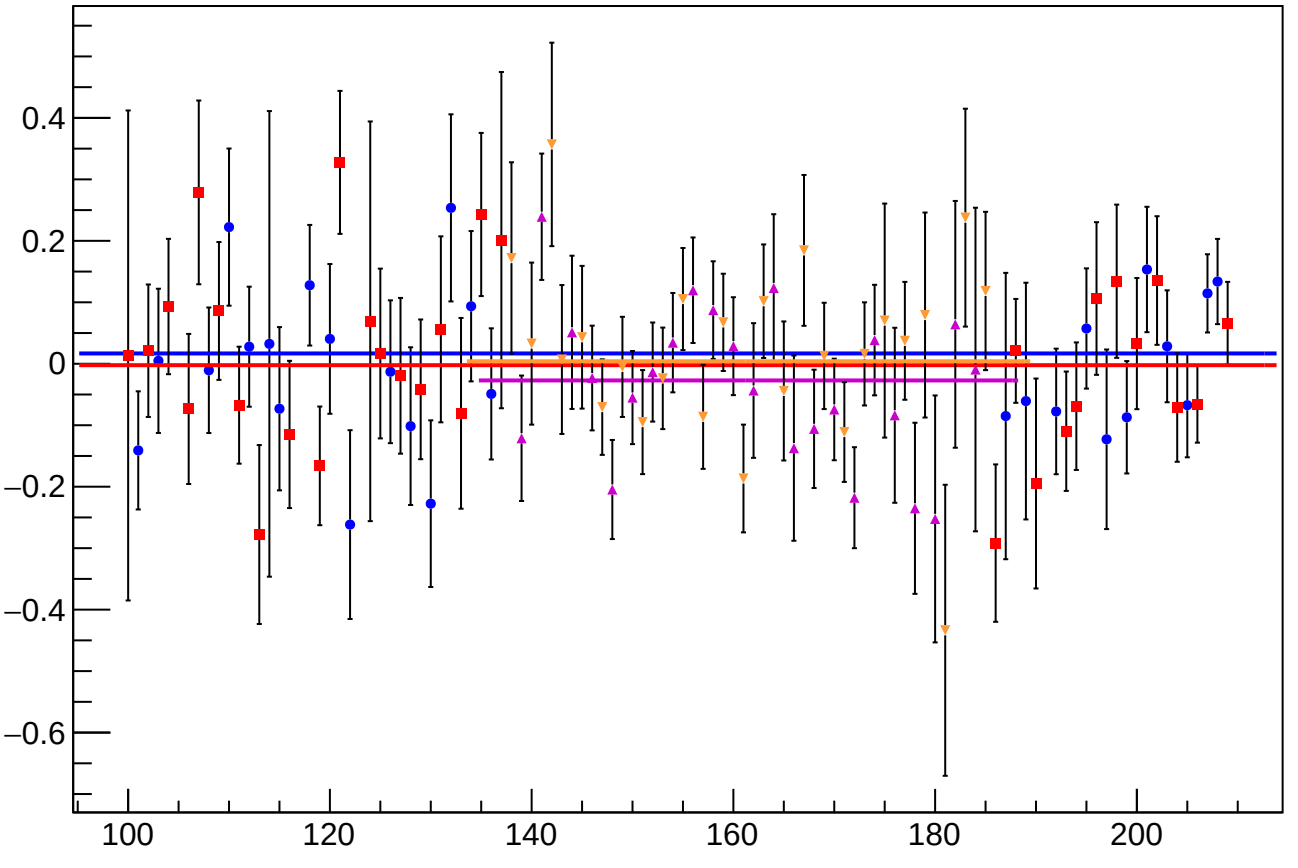
Left: 0.005+/-0.000 χ^2/NDF: 5135847.3/47

Right: 0.003+/-0.000 χ^2/NDF: 31471976.0/57

In: 0.003+/-0.000 χ^2/NDF:27746732.0/49

Out: 0.005+/-0.000 χ^2/NDF:10420208.9/55

All: 0.004+/-0.000 χ^2/NDF: 43064410.2/105



Right In: 0.017+/-0.021 χ^2/NDF: 29.4/26

Left Out: 0.004+/-0.020 χ^2/NDF:28.2/24

Right Out: -0.002+/-0.020 χ^2/NDF: 40.3/30

Left In: -0.027+/-0.021 χ^2/NDF:32.0/22

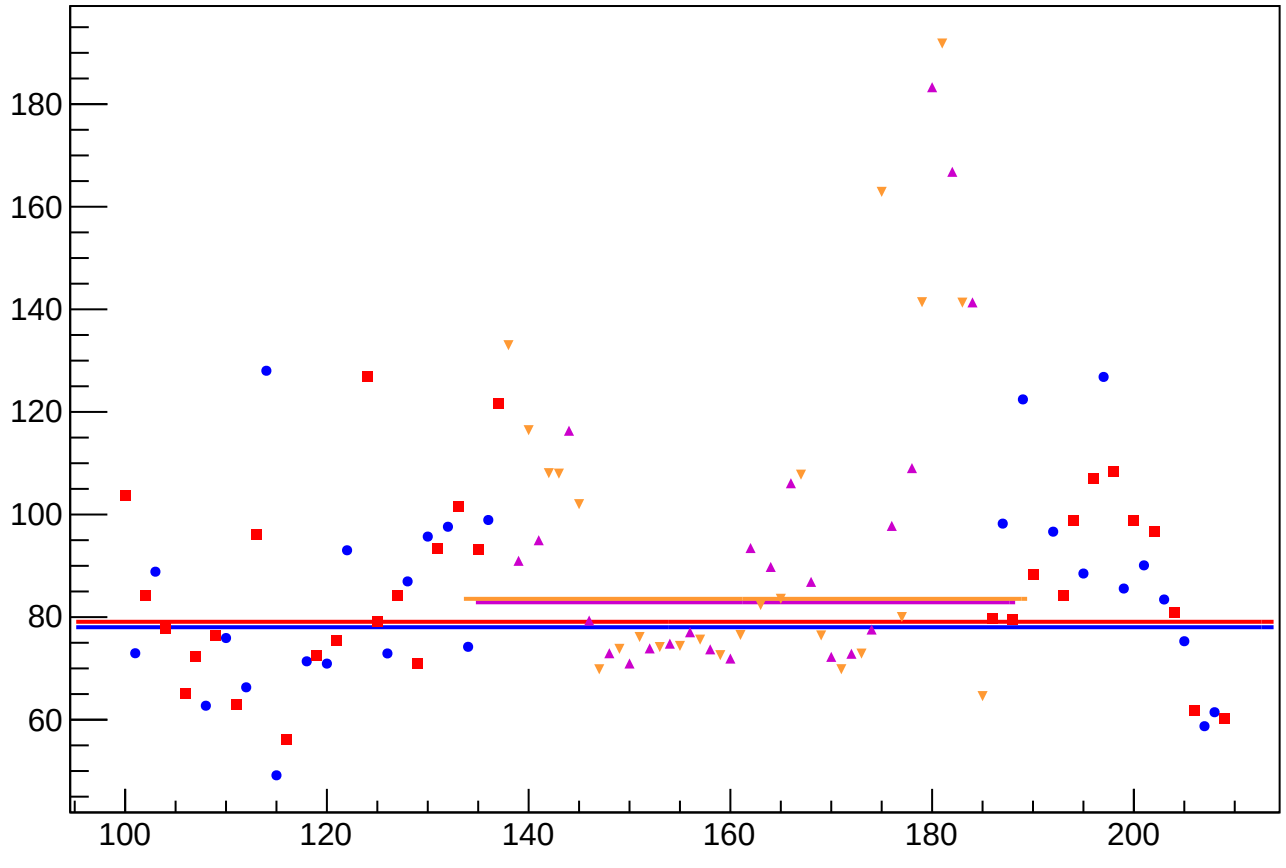
Left: -0.011+/-0.014 χ^2/NDF: 61.3/47

Right: 0.007+/-0.014 χ^2/NDF: 70.1/57

In: -0.005+/-0.015 χ^2/NDF:63.6/49

Out: 0.001+/-0.014 χ^2/NDF:68.5/55

All: -0.002+/-0.010 χ^2/NDF: 132.2/105



Right In: 78.030+/-0.015 χ^2/NDF: 1203508.5/26

Left Out: 83.565+/-0.014 χ^2/NDF:2172921.0/24

Right Out: 79.091+/-0.014 χ^2/NDF: 1131144.2/30

Left In: 82.891+/-0.015 χ^2/NDF:1572981.0/22

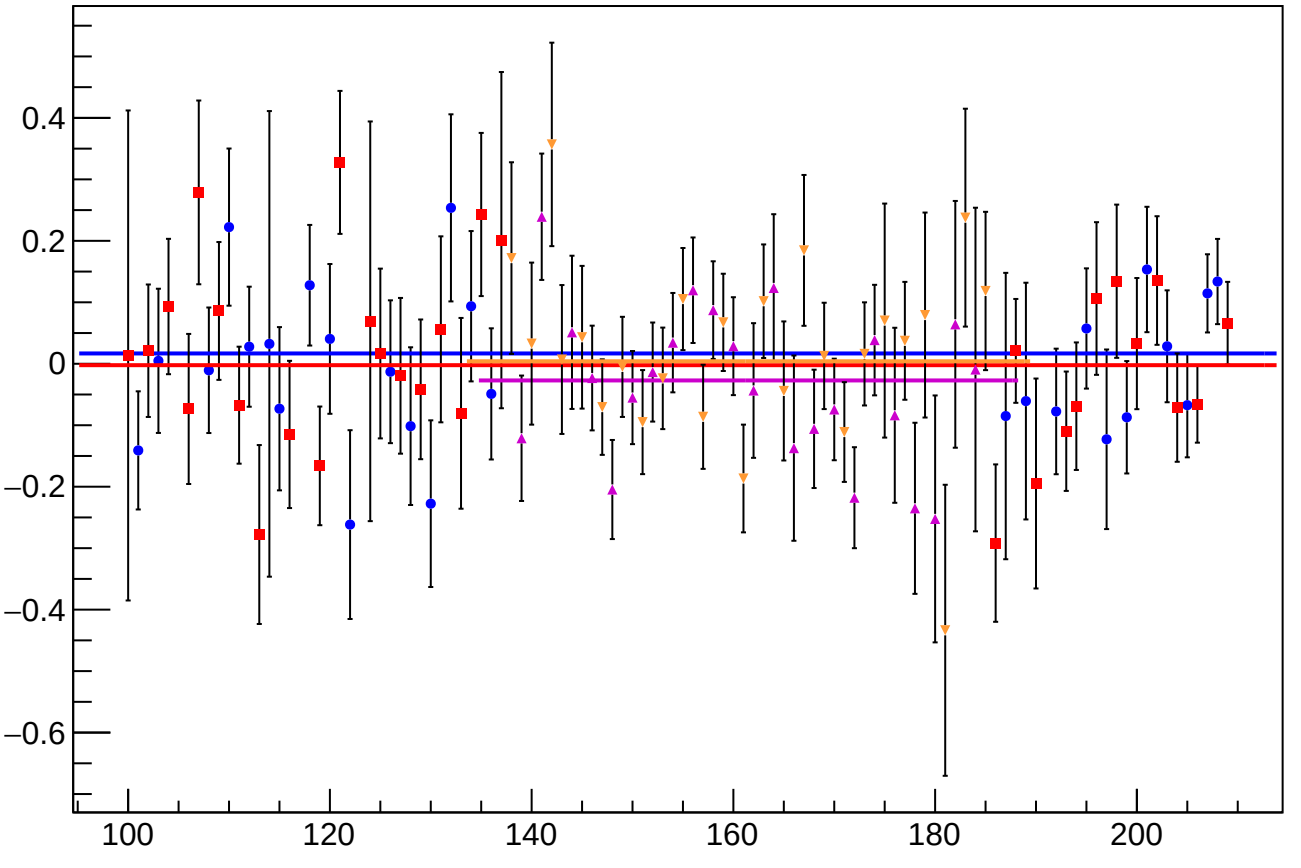
Left: 83.232+/-0.010 χ^2/NDF: 3746990.7/47

Right: 78.577+/-0.010 χ^2/NDF: 2337358.4/57

In: 80.480+/-0.010 χ^2/NDF:2832003.4/49

Out: 81.304+/-0.010 χ^2/NDF:3353148.2/55

All: 80.901+/-0.007 χ^2/NDF: 6188408.8/105



Right In: 0.017+/-0.021 χ^2/NDF: 29.4/26

Left Out: 0.004+/-0.020 χ^2/NDF:28.2/24

Right Out: -0.002+/-0.020 χ^2/NDF: 40.3/30

Left In: -0.027+/-0.021 χ^2/NDF:32.0/22

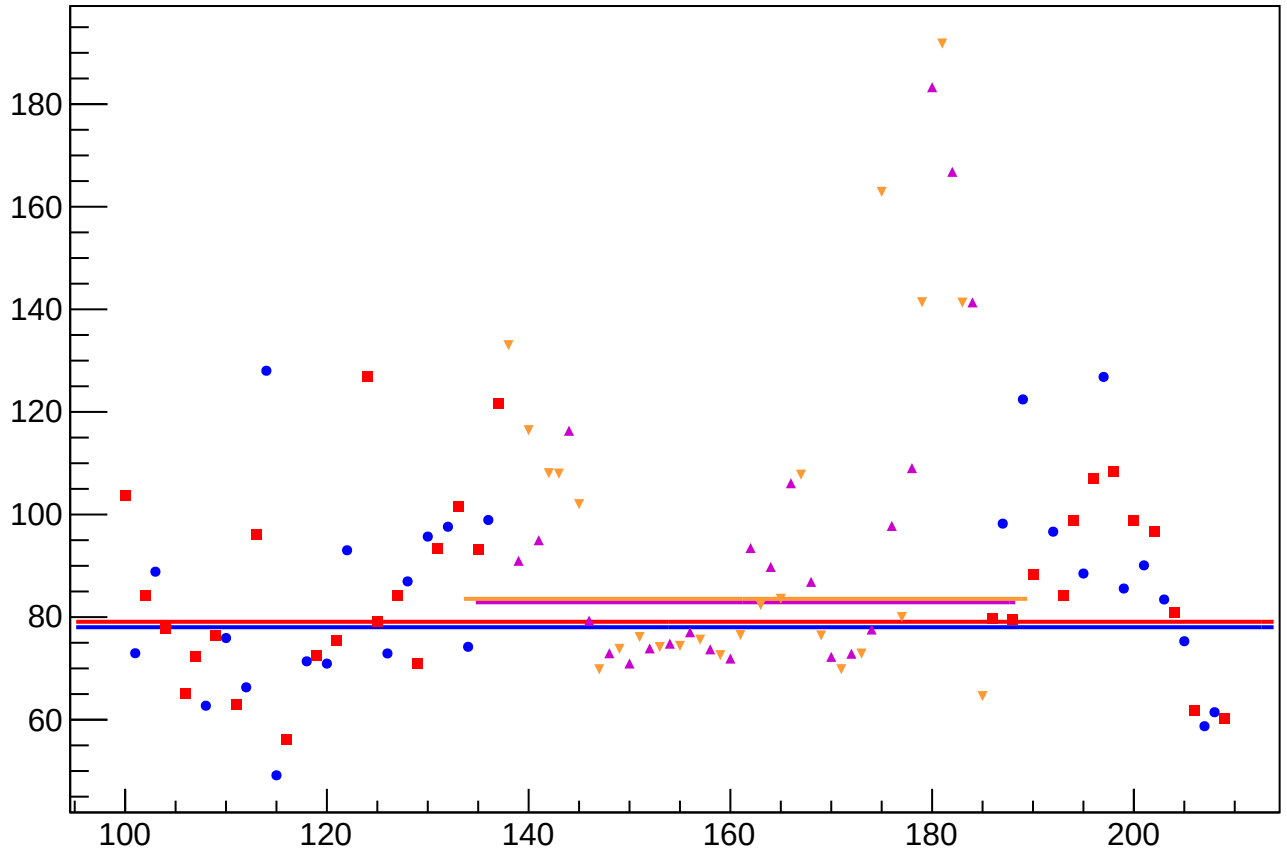
Left: -0.011+/-0.014 χ^2/NDF: 61.3/47

Right: 0.007+/-0.014 χ^2/NDF: 70.1/57

In: -0.005+/-0.015 χ^2/NDF:63.6/49

Out: 0.001+/-0.014 χ^2/NDF:68.5/55

All: -0.002+/-0.010 χ^2/NDF: 132.2/105



Right In: 78.030+/-0.015 χ^2/NDF: 1203508.5/26

Left Out: 83.565+/-0.014 χ^2/NDF:2172921.0/24

Right Out: 79.091+/-0.014 χ^2/NDF: 1131144.2/30

Left In: 82.891+/-0.015 χ^2/NDF:1572981.0/22

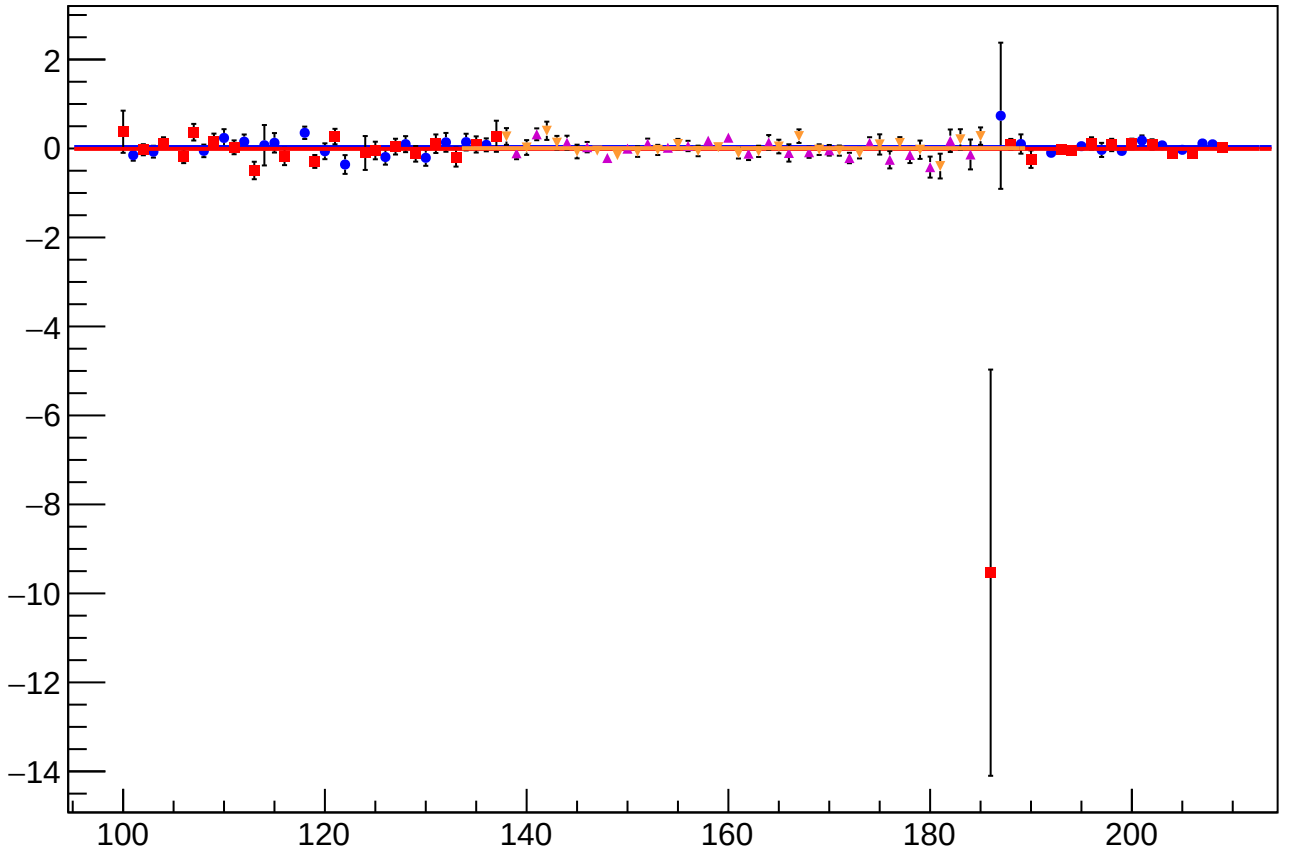
Left: 83.232+/-0.010 χ^2/NDF: 3746990.7/47

Right: 78.577+/-0.010 χ^2/NDF: 2337358.4/57

In: 80.480+/-0.010 χ^2/NDF:2832003.4/49

Out: 81.304+/-0.010 χ^2/NDF:3353148.2/55

All: 80.901+/-0.007 χ^2/NDF: 6188408.8/105



Right In: 0.032+/-0.027 χ^2/NDF: 24.3/26

Left Out: 0.006+/-0.028 χ^2/NDF:21.3/24

Right Out: -0.009+/-0.026 χ^2/NDF: 35.7/30

Left In: 0.010+/-0.028 χ^2/NDF:31.3/22

Left: 0.008+/-0.020 χ^2/NDF: 52.6/47

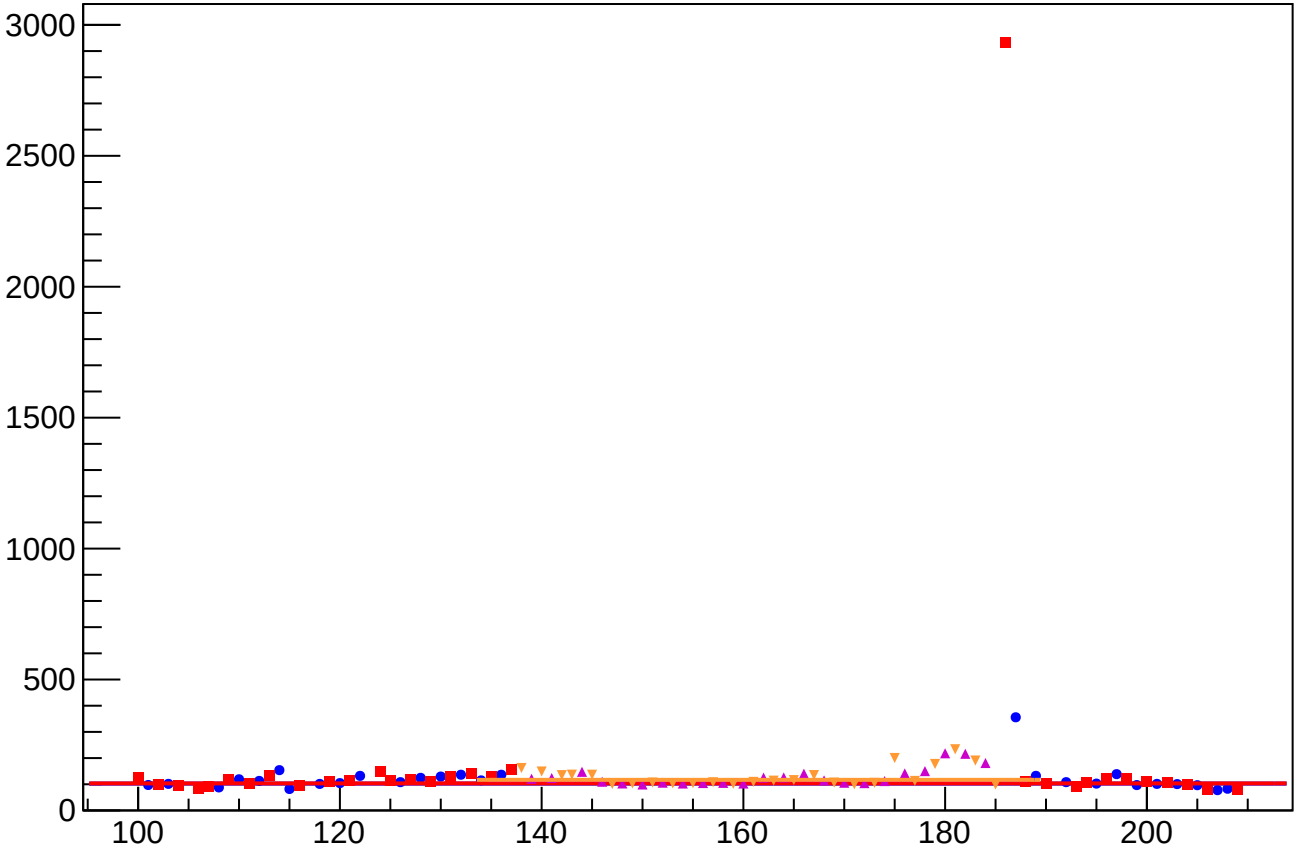
Right: 0.011+/-0.019 χ^2/NDF: 61.2/57

In: 0.022+/-0.019 χ^2/NDF:56.0/49

Out: -0.002+/-0.019 χ^2/NDF:57.2/55

All: 0.010+/-0.014 χ^2/NDF: 113.9/105

asym_usr_eigen_dit_vs_overload_cor_diff_rms vs Slug, Sign Corrected



Right In: 102.530+/-0.019 χ^2/NDF: 850897.3/26

Left Out: 116.880+/-0.020 χ^2/NDF:1596928.7/24

Right Out: 103.316+/-0.018 χ^2/NDF: 1544026.0/30

Left In: 115.858+/-0.020 χ^2/NDF:1231371.8/22

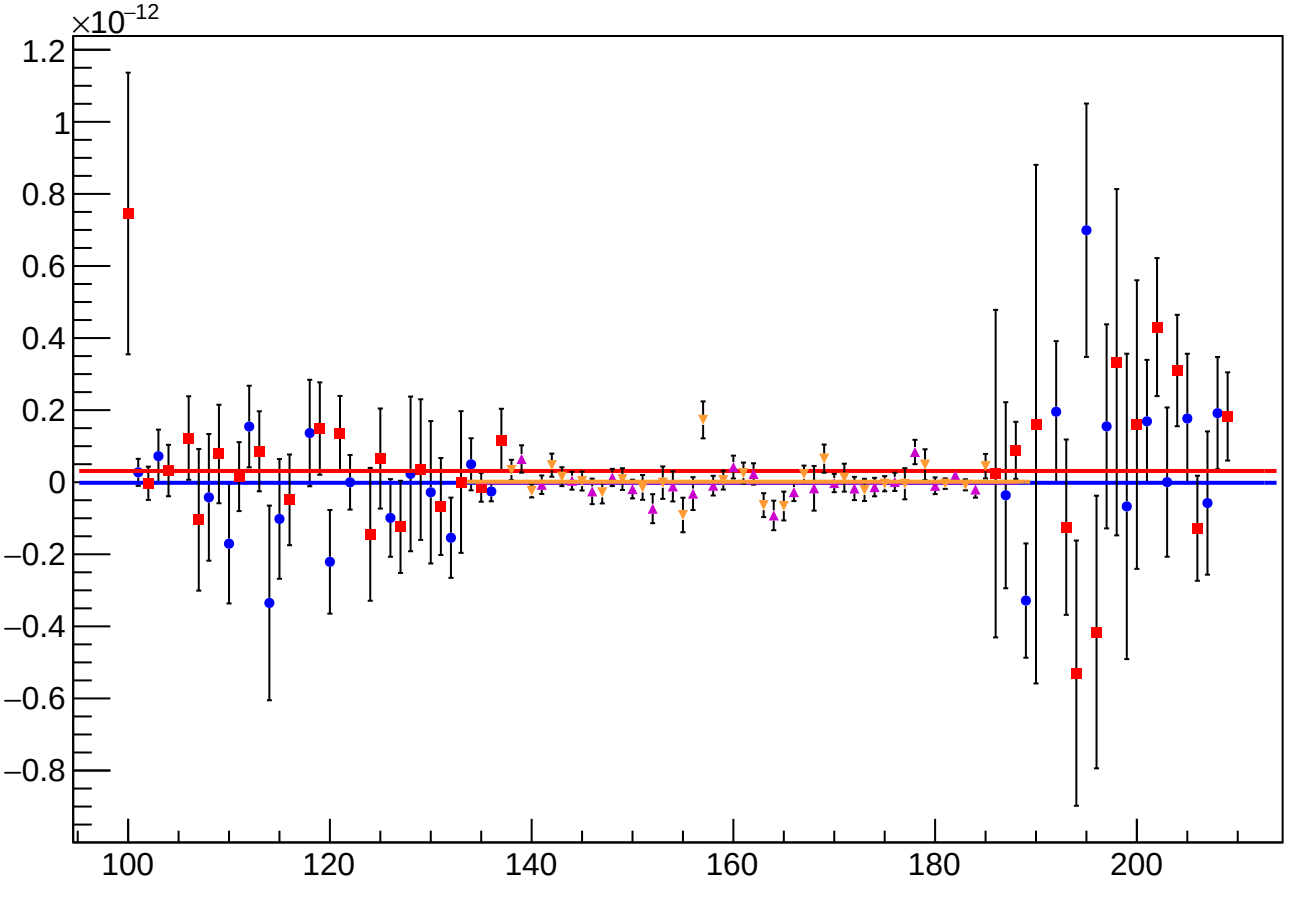
Left: 116.377+/-0.014 χ^2/NDF: 2829636.7/47

Right: 102.934+/-0.013 χ^2/NDF: 2395800.3/57

In: 108.888+/-0.014 χ^2/NDF:2316504.5/49

Out: 109.693+/-0.013 χ^2/NDF:3393927.7/55

All: 109.299+/-0.010 χ^2/NDF: 5712184.1/105



Right In: -0.000+/-0.000 χ^2/NDF: 26.9/26

Left Out: 0.000+/-0.000 χ^2/NDF:36.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 28.4/30

Left In: -0.000+/-0.000 χ^2/NDF:26.7/22

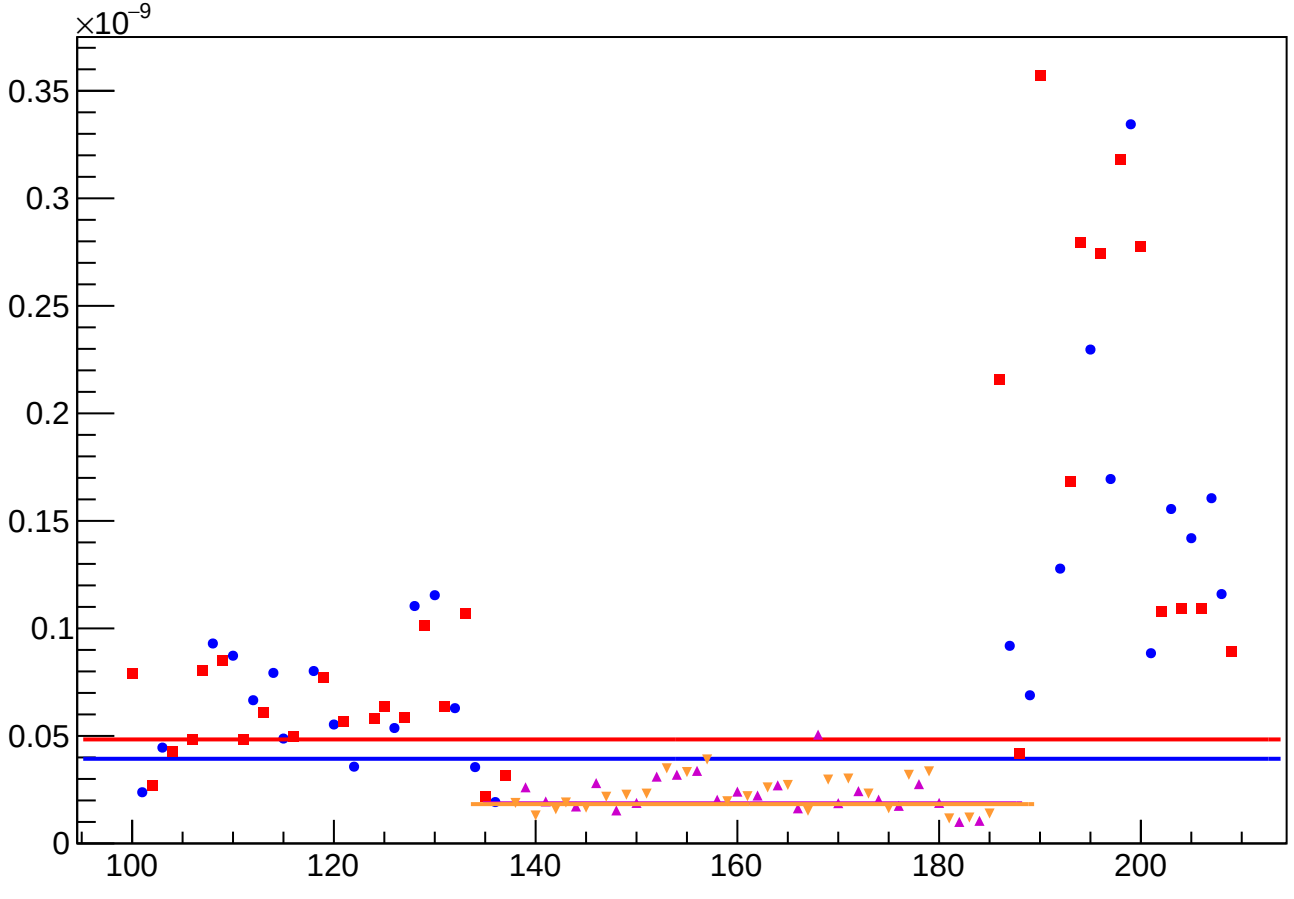
Left: 0.000+/-0.000 χ^2/NDF: 63.4/47

Right: 0.000+/-0.000 χ^2/NDF: 56.9/57

In: -0.000+/-0.000 χ^2/NDF:53.6/49

Out: 0.000+/-0.000 χ^2/NDF:67.2/55

All: 0.000+/-0.000 χ^2/NDF: 121.2/105



Right In: 0.000+/-0.000 χ^2/NDF: 8007588.9/26

Left Out: 0.000+/-0.000 χ^2/NDF:3029080.3/24

Right Out: 0.000+/-0.000 χ^2/NDF: 7164105.6/30

Left In: 0.000+/-0.000 χ^2/NDF:2908977.5/22

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

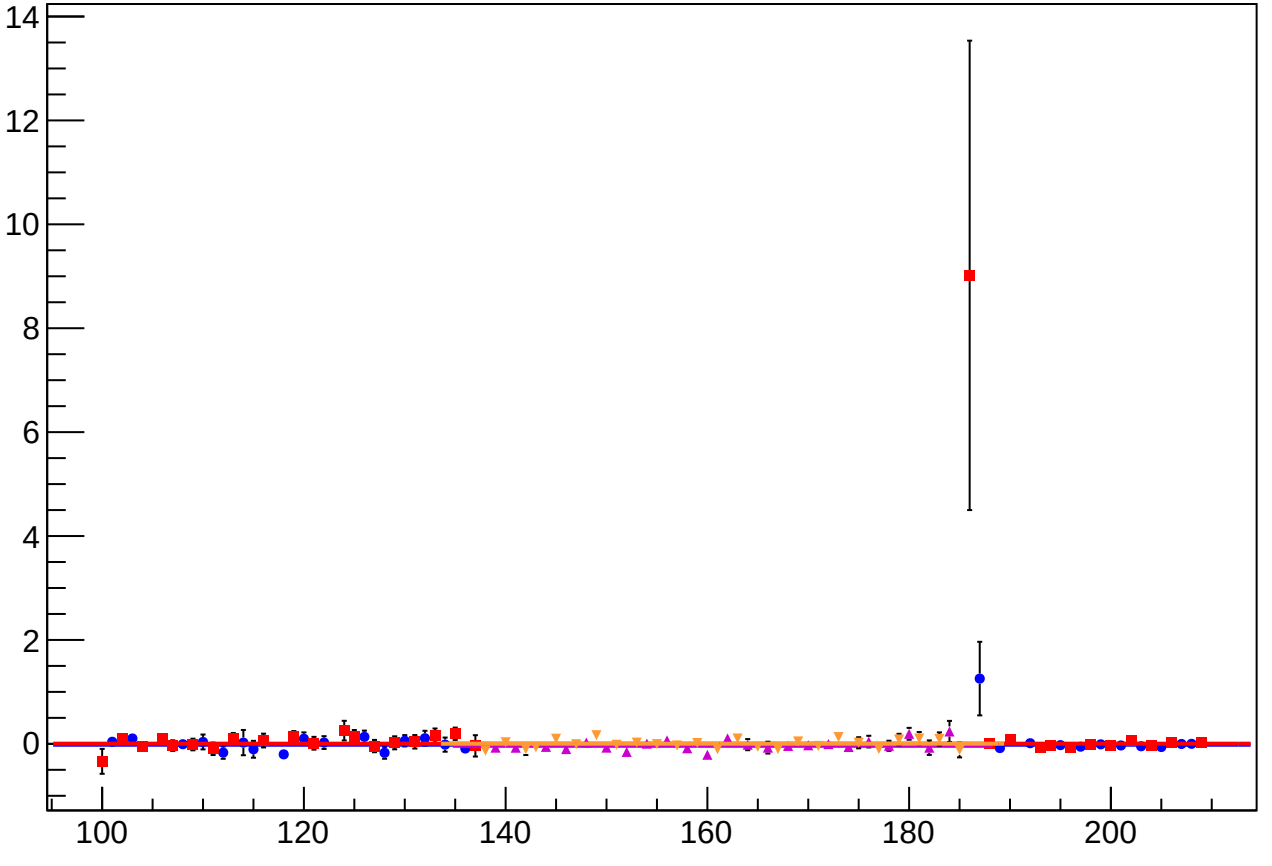
Right: 0.000+/-0.000 χ^2/NDF: 15411483.6/57

In: 0.000+/-0.000 χ^2/NDF:13525954.0/49

Out: 0.000+/-0.000 χ^2/NDF:14616953.8/55

All: 0.000+/-0.000 χ^2/NDF: 28145034.3/105

asym_usr_overload_cor_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.017+/-0.013 χ^2/NDF: 24.0/26

Left Out: 0.003+/-0.017 χ^2/NDF:21.5/24

Right Out: 0.003+/-0.012 χ^2/NDF: 36.5/30

Left In: -0.038+/-0.018 χ^2/NDF:21.6/22

Left: -0.017+/-0.012 χ^2/NDF: 45.8/47

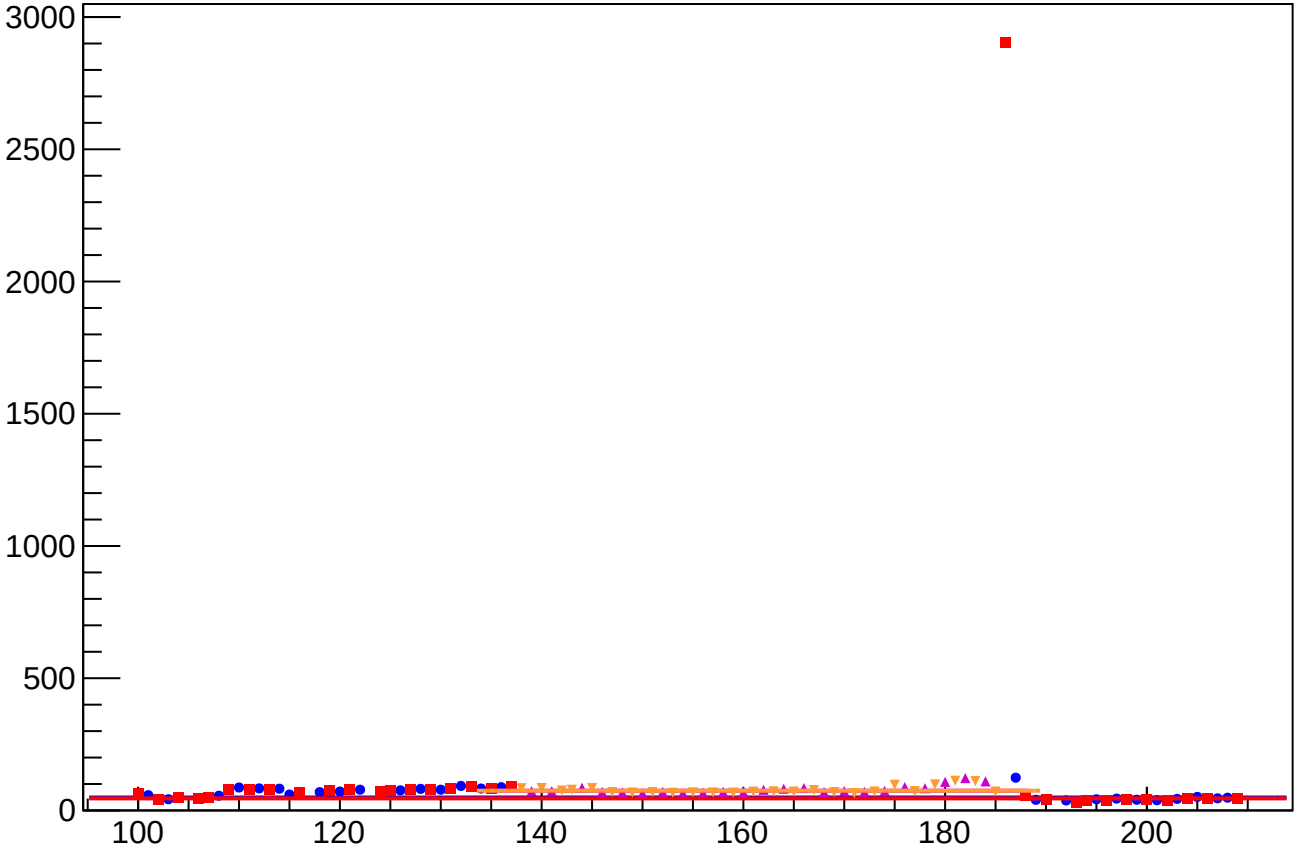
Right: -0.006+/-0.009 χ^2/NDF: 61.8/57

In: -0.024+/-0.011 χ^2/NDF:46.5/49

Out: 0.003+/-0.010 χ^2/NDF:58.1/55

All: -0.010+/-0.007 χ^2/NDF: 108.2/105

asym_usr_overload_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 48.972+/-0.009 χ^2/NDF: 2249000.0/26

Left Out: 74.749+/-0.012 χ^2/NDF:744366.0/24

Right Out: 45.601+/-0.009 χ^2/NDF: 3612412.1/30

Left In: 74.601+/-0.013 χ^2/NDF:713751.1/22

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

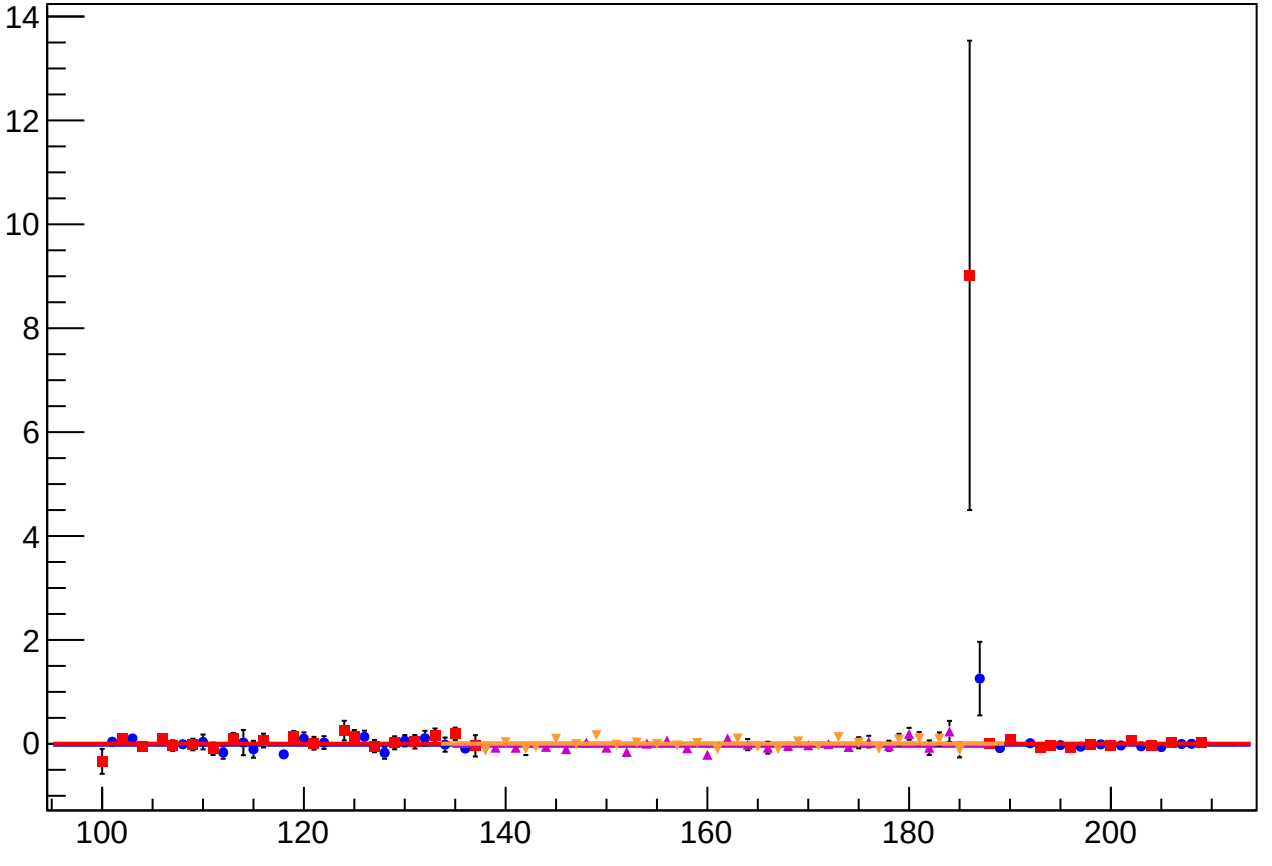
Right: 47.145+/-0.006 χ^2/NDF: 5932236.8/57

In: 58.002+/-0.008 χ^2/NDF:5625435.7/49

Out: 55.105+/-0.007 χ^2/NDF:8127959.5/55

All: 56.461+/-0.005 χ^2/NDF: 13832729.0/105

asym_usr_overload_cor_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.017+/-0.013 χ^2/NDF: 24.0/26

Left Out: 0.003+/-0.017 χ^2/NDF:21.5/24

Right Out: 0.003+/-0.012 χ^2/NDF: 36.5/30

Left In: -0.038+/-0.018 χ^2/NDF:21.6/22

Left: -0.017+/-0.012 χ^2/NDF: 45.8/47

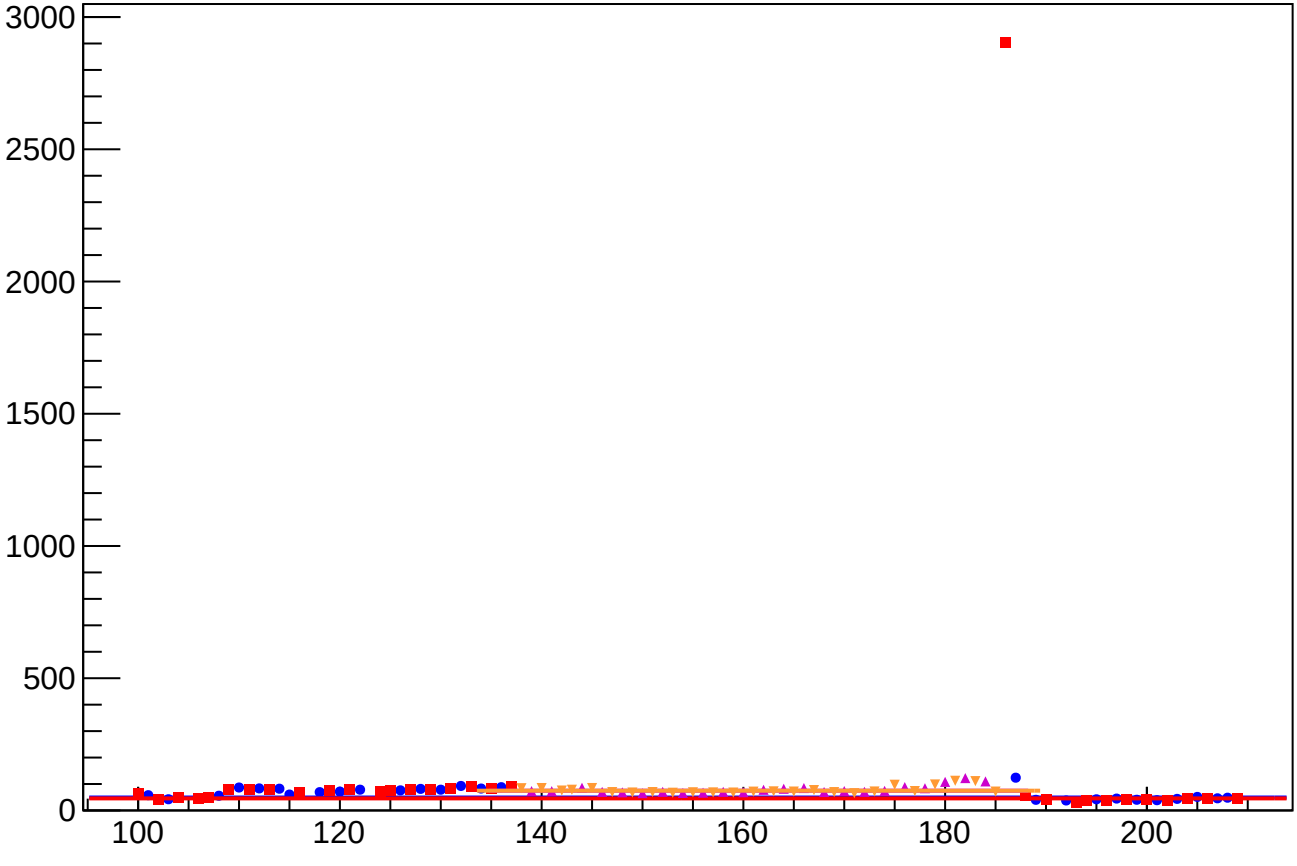
Right: -0.006+/-0.009 χ^2/NDF: 61.8/57

In: -0.024+/-0.011 χ^2/NDF:46.5/49

Out: 0.003+/-0.010 χ^2/NDF:58.1/55

All: -0.010+/-0.007 χ^2/NDF: 108.2/105

asym_usr_overload_cor_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 48.972+/-0.009 χ^2/NDF: 2249000.0/26

Left Out: 74.749+/-0.012 χ^2/NDF:744366.0/24

Right Out: 45.601+/-0.009 χ^2/NDF: 3612412.1/30

Left In: 74.601+/-0.013 χ^2/NDF:713751.1/22

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

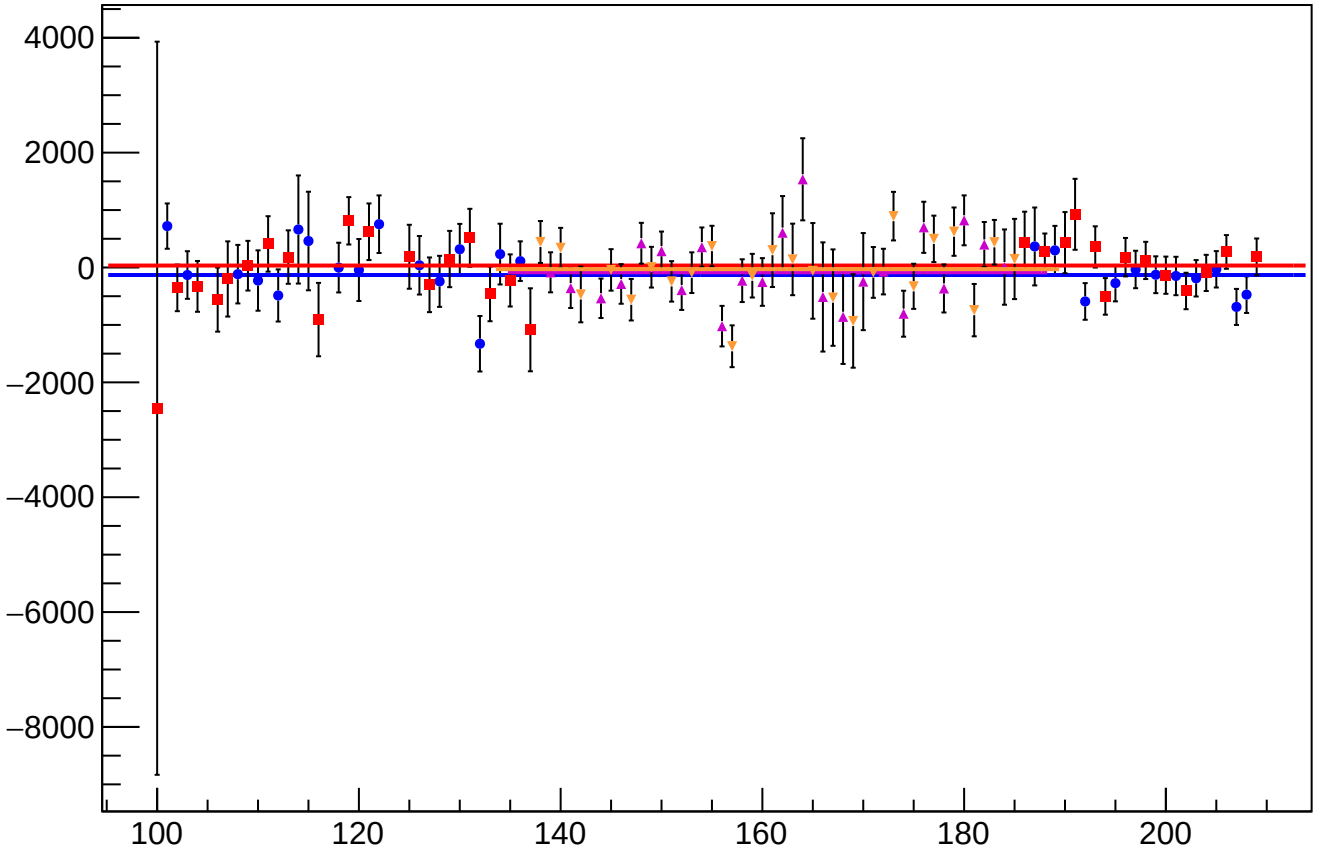
Right: 47.145+/-0.006 χ^2/NDF: 5932236.8/57

In: 58.002+/-0.008 χ^2/NDF:5625435.7/49

Out: 55.105+/-0.007 χ^2/NDF:8127959.5/55

All: 56.461+/-0.005 χ^2/NDF: 13832729.0/105

asym_dsl_mean vs Slug, Sign Corrected



Right In: -130.954+/-77.715 χ^2/NDF: 26.4/26

Left Out: -29.346+/-86.530 χ^2/NDF:36.6/23

Right Out: 34.042+/-75.127 χ^2/NDF: 27.2/30

Left In: -83.719+/-86.476 χ^2/NDF:35.8/22

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

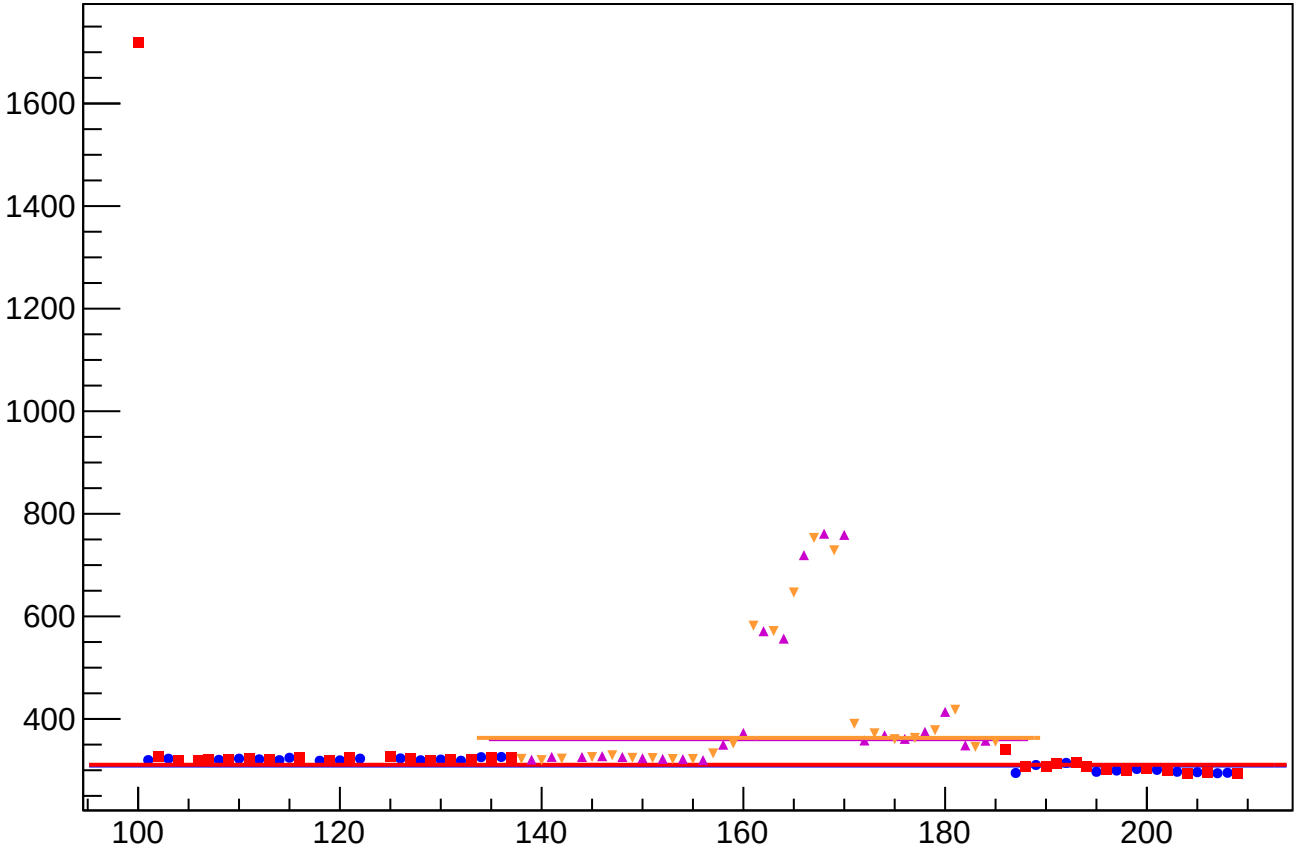
Right: -45.663+/-54.014 χ^2/NDF: 55.9/57

In: -109.850+/-57.803 χ^2/NDF:62.4/49

Out: 6.797+/-56.729 χ^2/NDF:64.1/54

All: -50.433+/-40.488 χ^2/NDF: 128.5/104

asym_dsl_rms vs Slug, Sign Corrected



Right In: 309.178+/-0.055 χ^2/NDF: 45670.9/26

Left Out: 363.079+/-0.061 χ^2/NDF:1795570.0/23

Right Out: 310.676+/-0.053 χ^2/NDF: 148546.4/30

Left In: 360.585+/-0.061 χ^2/NDF:1817691.0/22

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

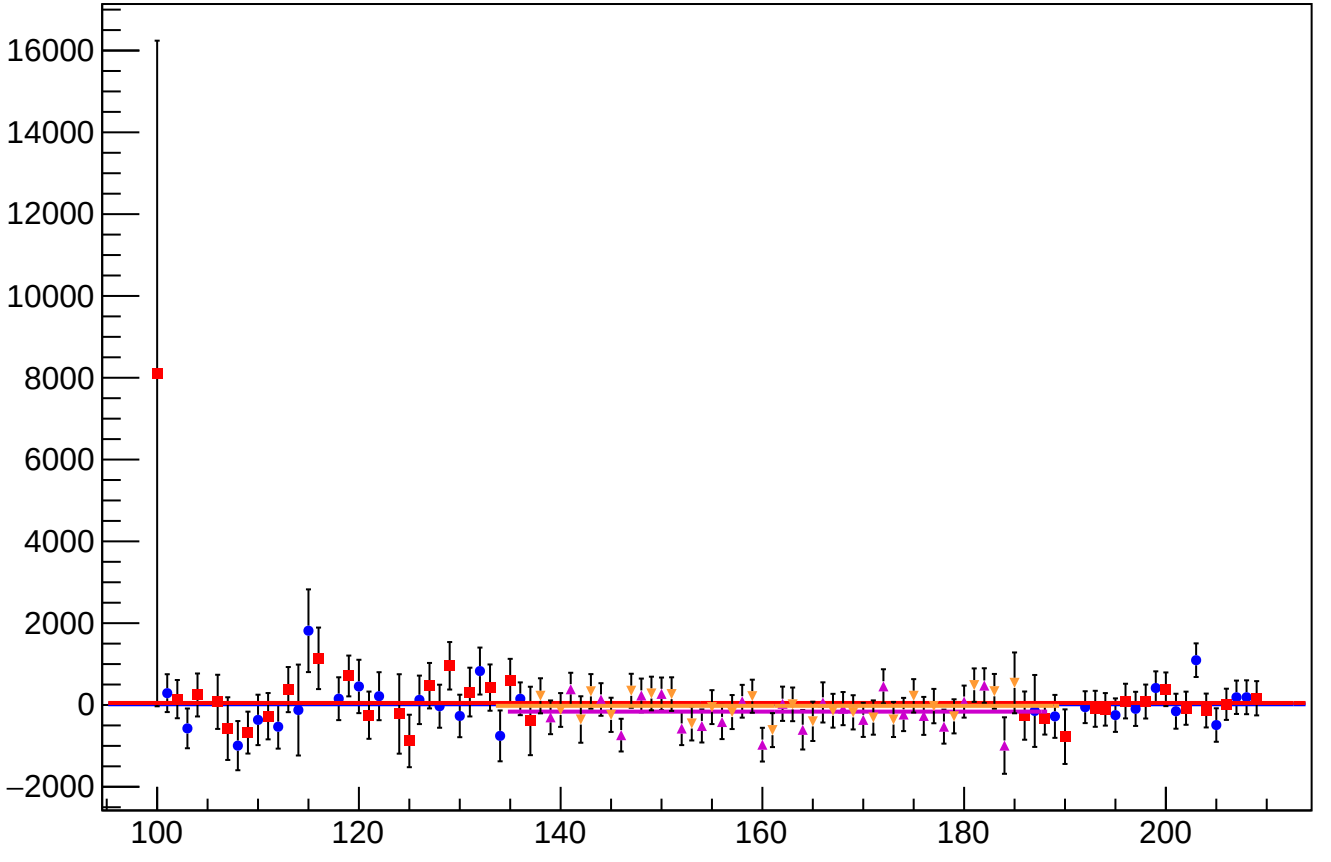
Right: 309.952+/-0.038 χ^2/NDF: 194601.5/57

In: 332.146+/-0.041 χ^2/NDF:2254363.7/49

Out: 333.200+/-0.040 χ^2/NDF:2362357.9/54

All: 332.683+/-0.029 χ^2/NDF: 4617059.7/104

asym_dsr_mean vs Slug, Sign Corrected



Right In: 17.474+/-95.814 χ^2/NDF: 24.6/26

Left Out: -21.061+/-85.620 χ^2/NDF:12.6/24

Right Out: 49.251+/-92.558 χ^2/NDF: 19.9/30

Left In: -162.992+/-87.991 χ^2/NDF:21.8/22

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

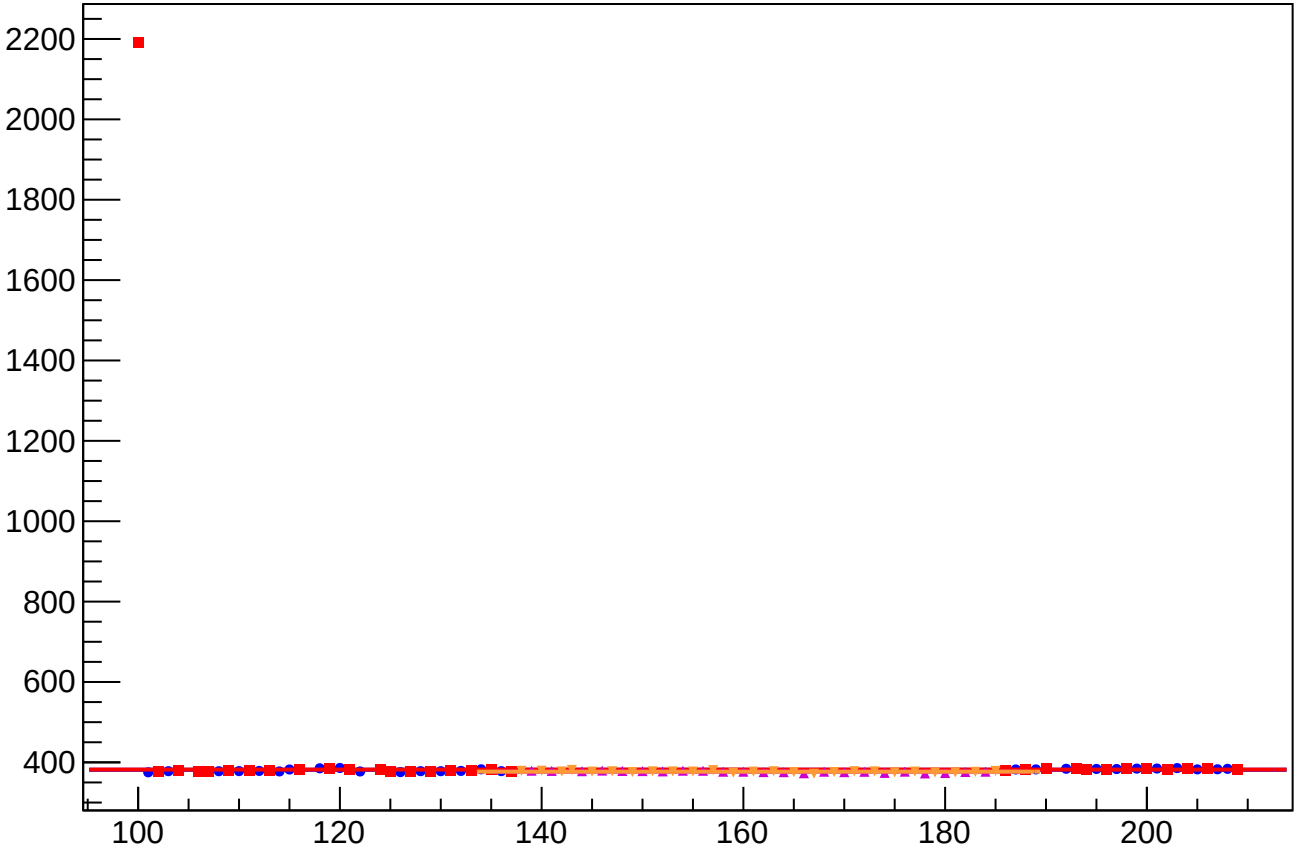
Right: 33.911+/-66.570 χ^2/NDF: 44.6/57

In: -80.425+/-64.809 χ^2/NDF:48.3/49

Out: 11.361+/-62.852 χ^2/NDF:32.8/55

All: -33.125+/-45.119 χ^2/NDF: 82.1/105

asym_dsr_rms vs Slug, Sign Corrected



Right In: 381.516+/-0.068 χ^2/NDF: 2240.5/26

Left Out: 376.906+/-0.061 χ^2/NDF:1058.3/24

Right Out: 381.989+/-0.065 χ^2/NDF: 100688.0/30

Left In: 376.846+/-0.062 χ^2/NDF:1074.1/22

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

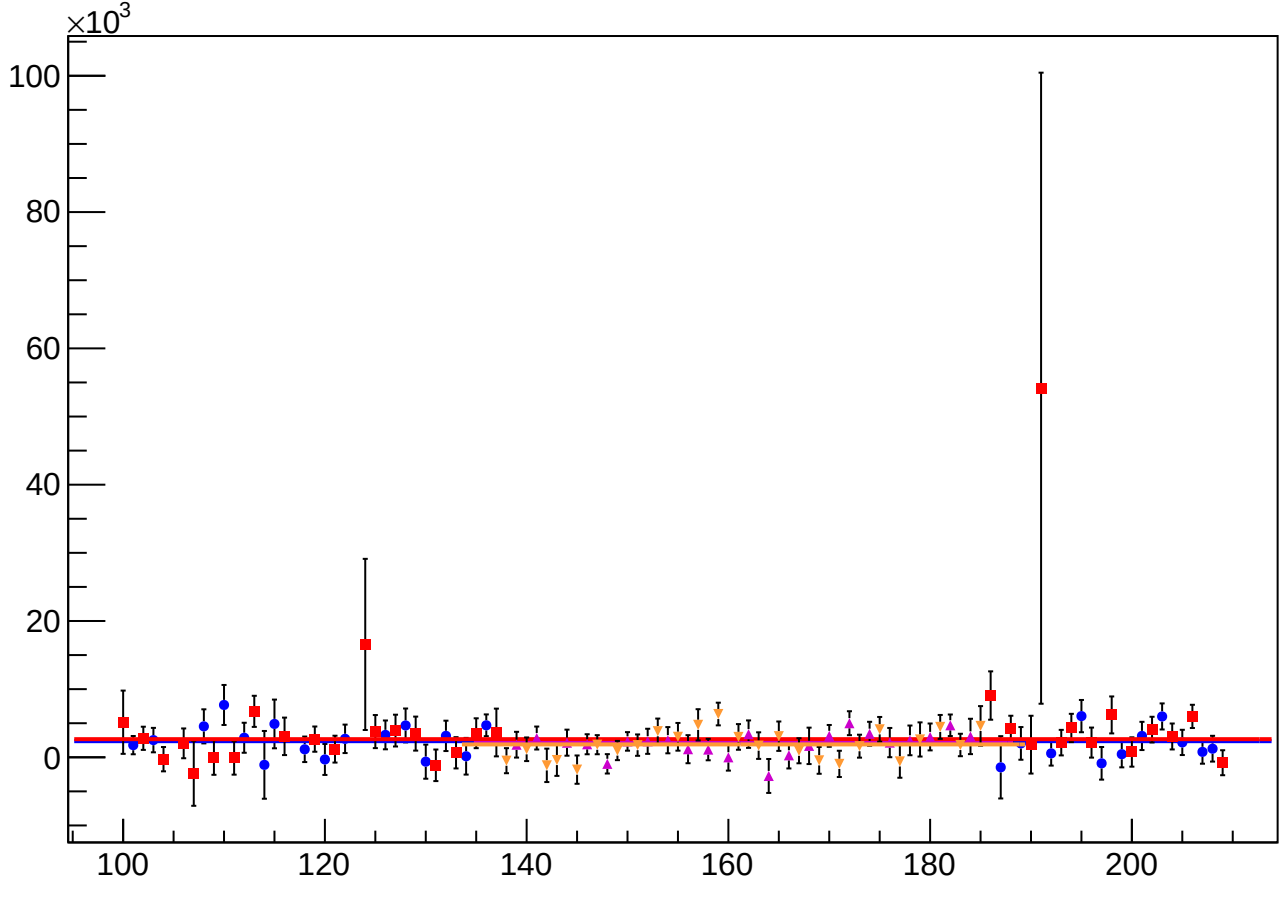
Right: 381.761+/-0.047 χ^2/NDF: 102953.7/57

In: 378.983+/-0.046 χ^2/NDF:5892.4/49

Out: 379.250+/-0.044 χ^2/NDF:104996.5/55

All: 379.120+/-0.032 χ^2/NDF: 110906.4/105

asym_us_agg_avg_mean vs Slug, Sign Corrected



Right In: 2365.678+/-407.649 χ^2/NDF: 24.4/26

Left Out: 1891.201+/-375.290 χ^2/NDF:28.4/24

Right Out: 2661.219+/-407.522 χ^2/NDF: 32.3/31

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

Left: 1997.240+/-266.690 χ^2/NDF: 47.1/47

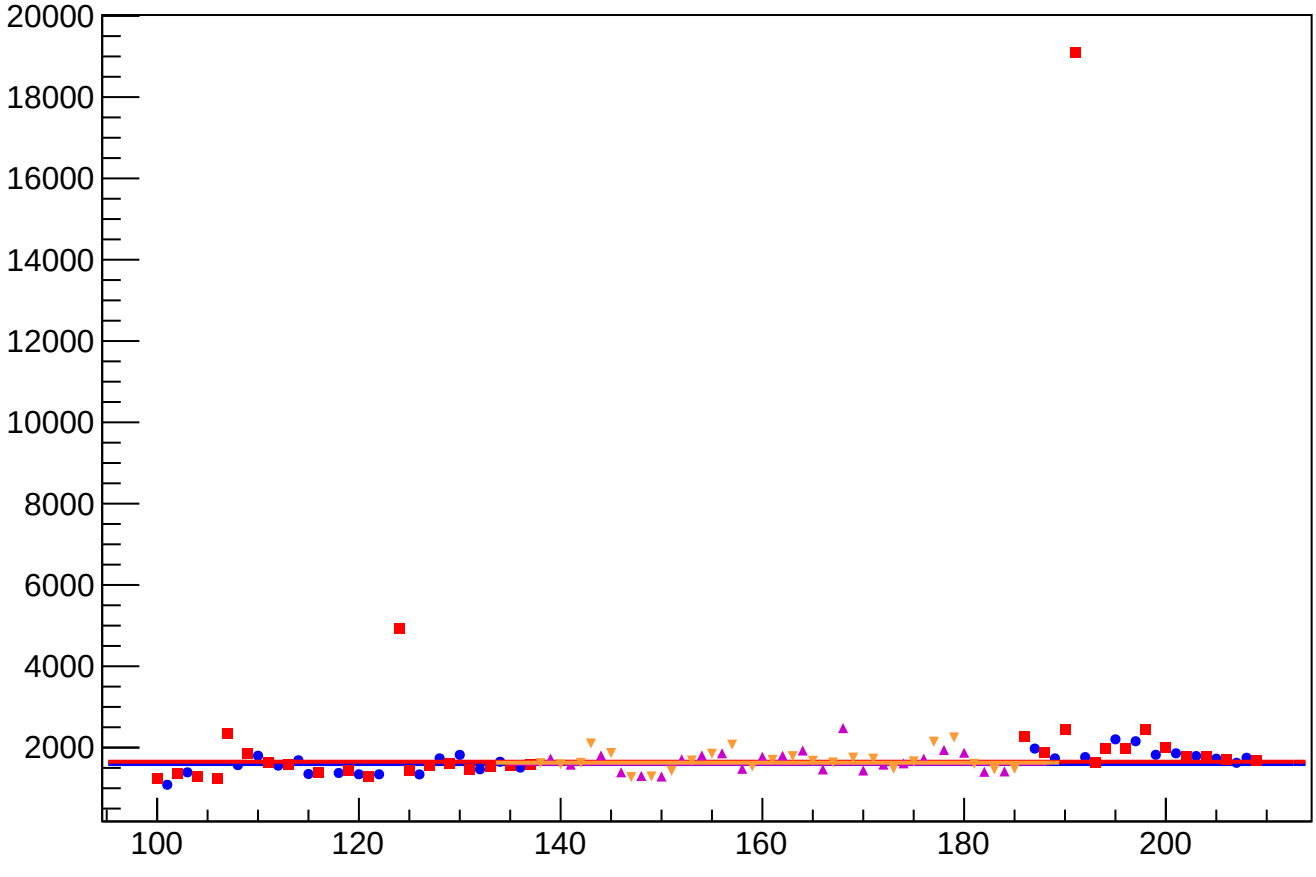
Right: 2513.494+/-288.206 χ^2/NDF: 56.9/58

In: 2226.098+/-277.589 χ^2/NDF:43.2/49

Out: 2244.558+/-276.063 χ^2/NDF:62.6/56

All: 2235.379+/-195.743 χ^2/NDF: 105.8/106

asym_us_agg_avg_rms vs Slug, Sign Corrected



Right In: 1594.894+/-0.288 χ^2/NDF: 868583.4/26

Left Out: 1628.479+/-0.265 χ^2/NDF:779094.7/24

Right Out: 1652.189+/-0.288 χ^2/NDF: 1359301.7/31

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

Left: 1615.122+/-0.189 χ^2/NDF: 1577935.0/47

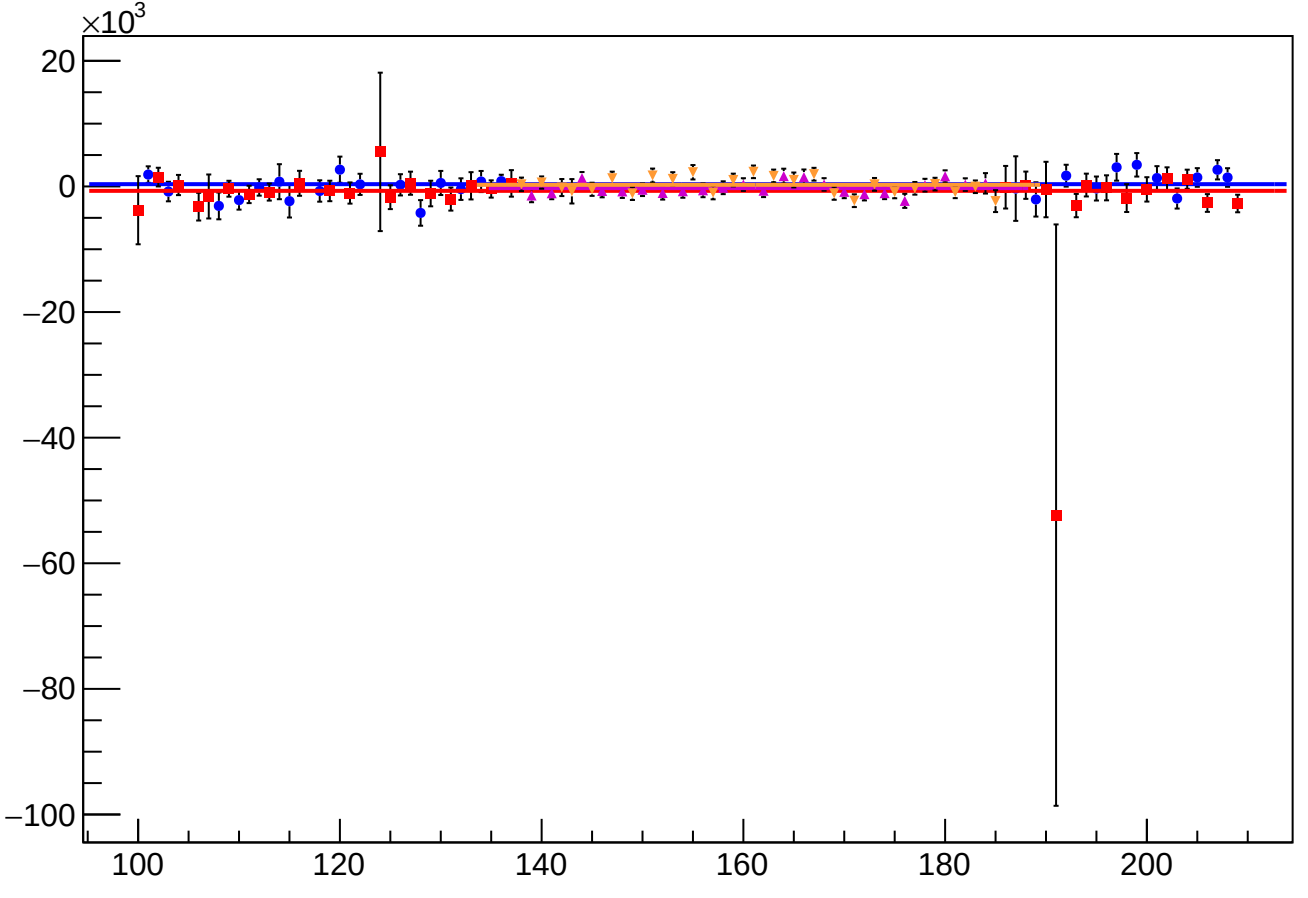
Right: 1623.551+/-0.204 χ^2/NDF: 2247645.4/58

In: 1598.435+/-0.196 χ^2/NDF:1662587.4/49

Out: 1639.359+/-0.195 χ^2/NDF:2142059.8/56

All: 1619.010+/-0.138 χ^2/NDF: 3826501.9/10

asym_us_agg_dd_mean vs Slug, Sign Corrected



Right In: 362.347+/-329.029 χ^2/NDF: 27.2/26

Left Out: 262.383+/-214.962 χ^2/NDF:33.9/24

Right Out: -700.120+/-327.565 χ^2/NDF: 17.1/31

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

Left: 0.994+/-152.955 χ^2/NDF: 58.3/47

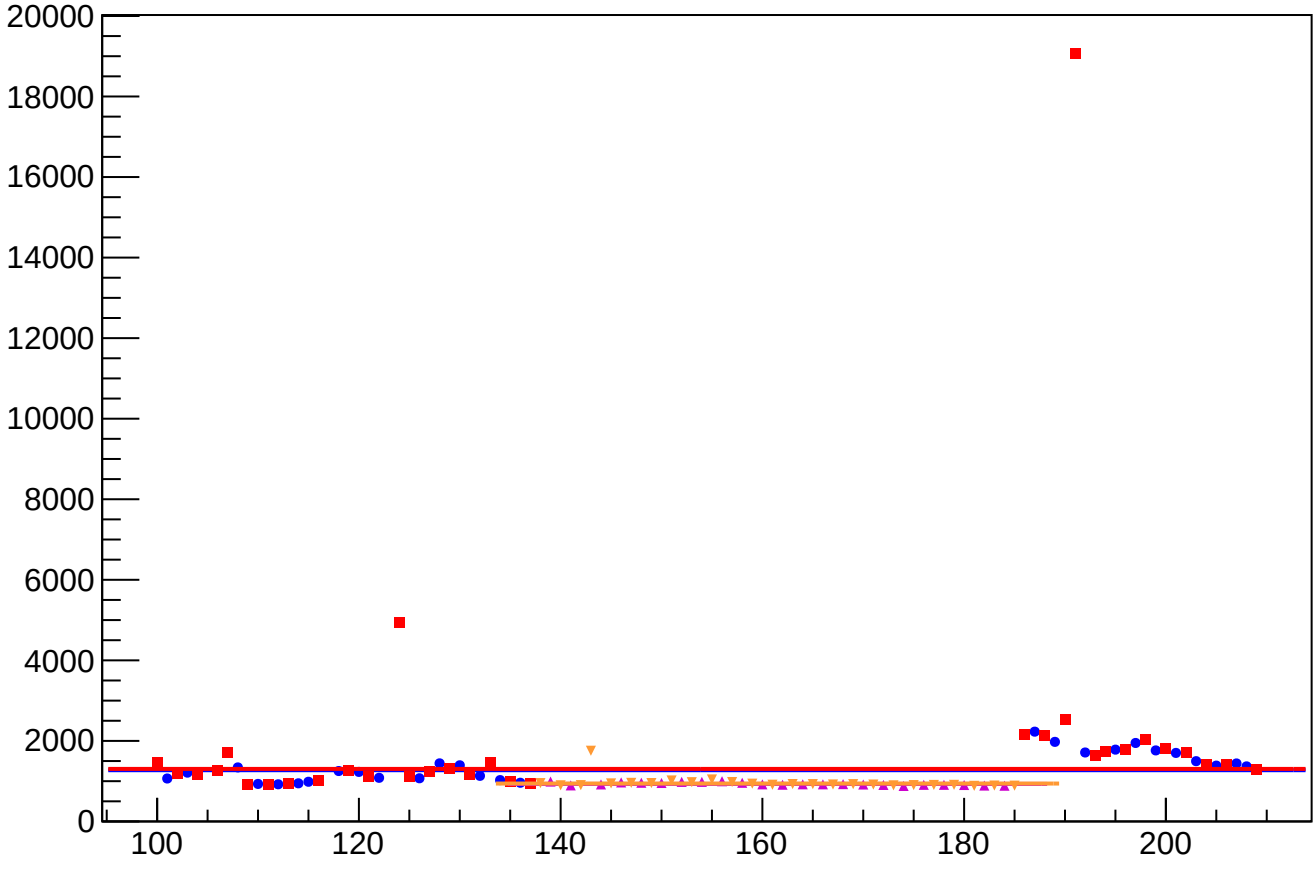
Right: -171.255+/-232.139 χ^2/NDF: 49.5/58

In: -75.436+/-181.548 χ^2/NDF:51.1/49

Out: -27.349+/-179.719 χ^2/NDF:57.0/56

All: -51.149+/-127.722 χ^2/NDF: 108.1/106

asym_us_agg_dd_rms vs Slug, Sign Corrected



Right In: 1272.432+/-0.233 χ^2/NDF: 1667983.4/26

Left Out: 941.013+/-0.152 χ^2/NDF:417710.2/24

Right Out: 1304.613+/-0.232 χ^2/NDF: 2633619.5/31

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

Left: 936.347+/-0.108 χ^2/NDF: 468535.2/47

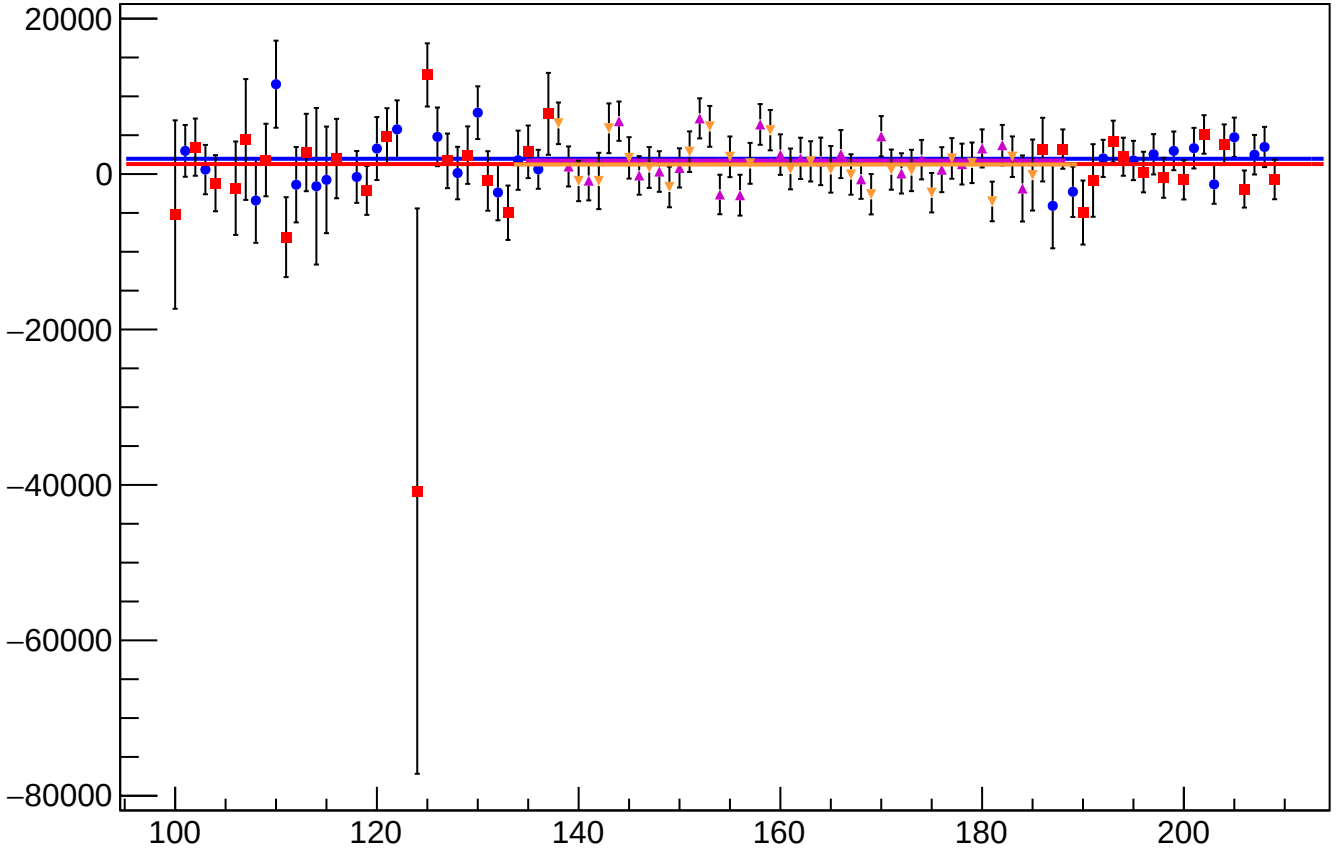
Right: 1288.594+/-0.164 χ^2/NDF: 4311211.5/58

In: 1035.340+/-0.128 χ^2/NDF:3209924.4/49

Out: 1050.464+/-0.127 χ^2/NDF:4773782.5/56

All: 1042.979+/-0.090 χ^2/NDF: 7990716.7/10

reg_asym_atl1_mean vs Slug, Sign Corrected



Right In: 1966.869+/-615.708 χ^2/NDF: 19.0/26

Left Out: 1234.728+/-541.289 χ^2/NDF:23.9/24

Right Out: 1284.057+/-601.791 χ^2/NDF: 33.5/31

Left In: 1741.730+/-553.254 χ^2/NDF:24.4/22

Left: 1482.688+/-386.910 χ^2/NDF: 48.7/47

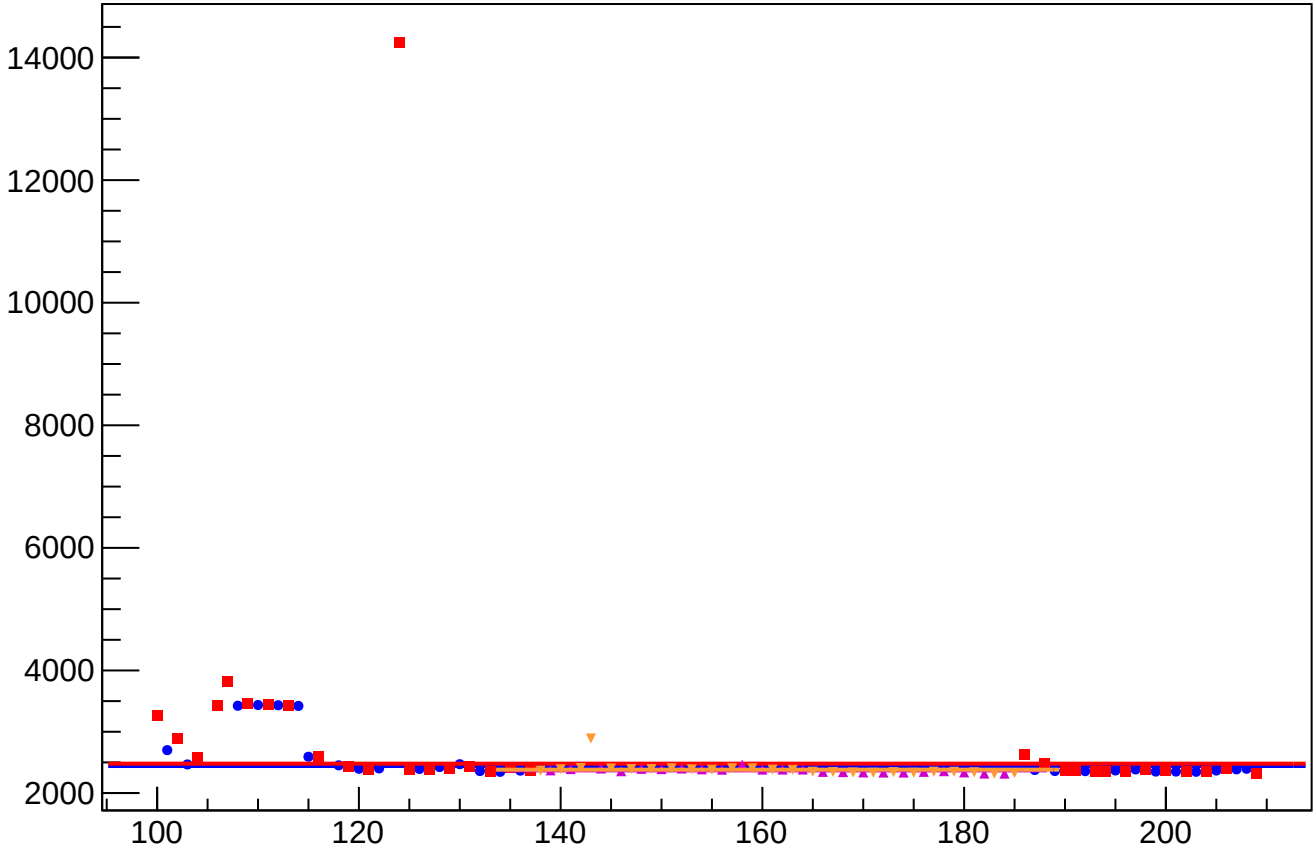
Right: 1617.659+/-430.367 χ^2/NDF: 53.1/58

In: 1842.306+/-411.524 χ^2/NDF:43.5/49

Out: 1256.789+/-402.444 χ^2/NDF:57.4/56

All: 1543.017+/-287.728 χ^2/NDF: 101.9/106

reg_asym_atl1_rms vs Slug, Sign Corrected



Right In: 2441.047+/-0.435 χ^2/NDF: 266893.2/26

Left Out: 2381.235+/-0.383 χ^2/NDF:57623.2/24

Right Out: 2479.390+/-0.426 χ^2/NDF: 641231.7/31

Left In: 2369.384+/-0.391 χ^2/NDF:7034.0/22

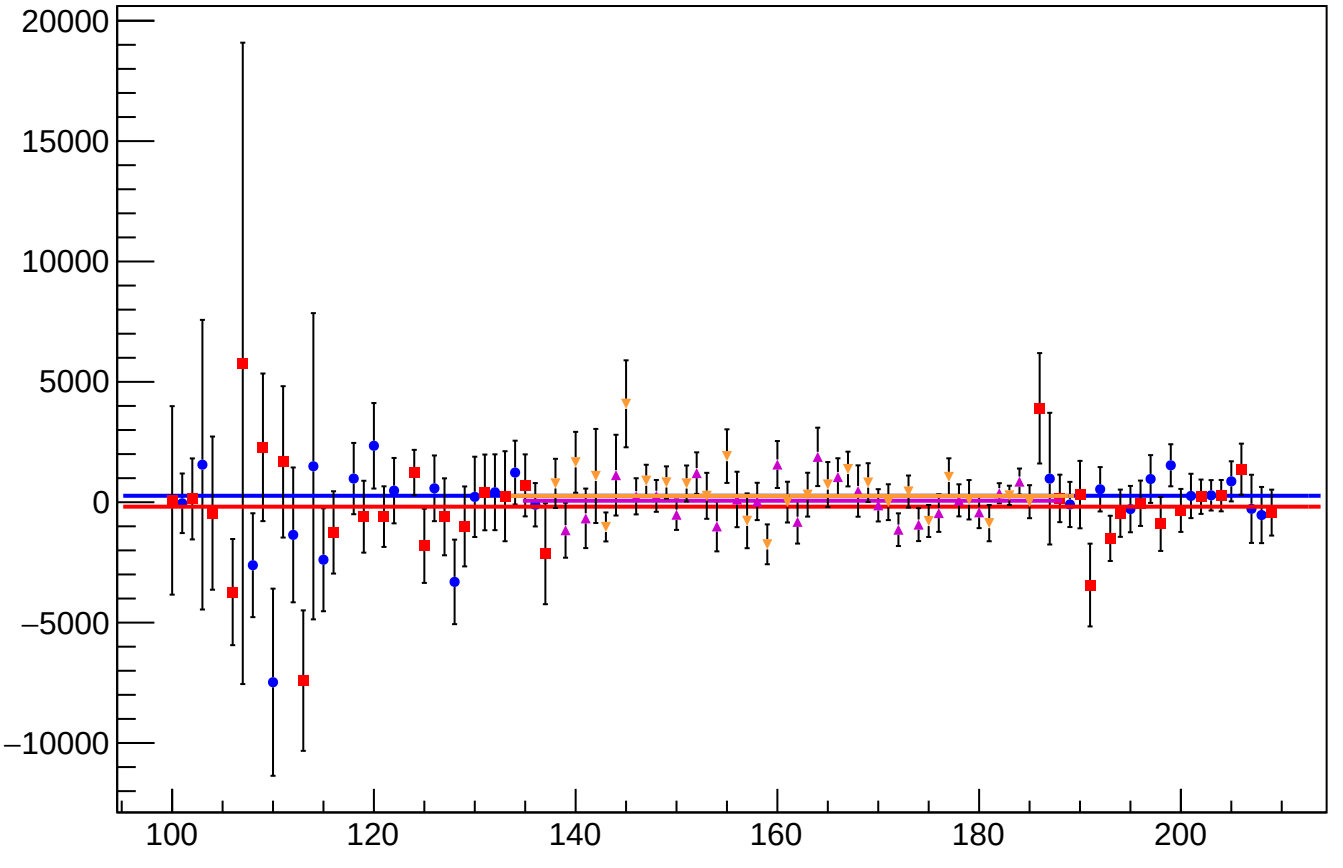
Left: 2375.439+/-0.274 χ^2/NDF: 65126.0/47

Right: 2460.656+/-0.304 χ^2/NDF: 912091.7/58

In: 2401.398+/-0.291 χ^2/NDF:288917.4/49

Out: 2425.132+/-0.285 χ^2/NDF:728265.9/56

All: 2413.529+/-0.203 χ^2/NDF: 1020583.7/10



Right In: 268.338+/-233.820 χ^2/NDF: 18.7/26

Left Out: 261.877+/-154.009 χ^2/NDF:31.1/24

Right Out: -184.262+/-223.455 χ^2/NDF: 28.3/31

Left In: 61.960+/-157.394 χ^2/NDF:22.0/22

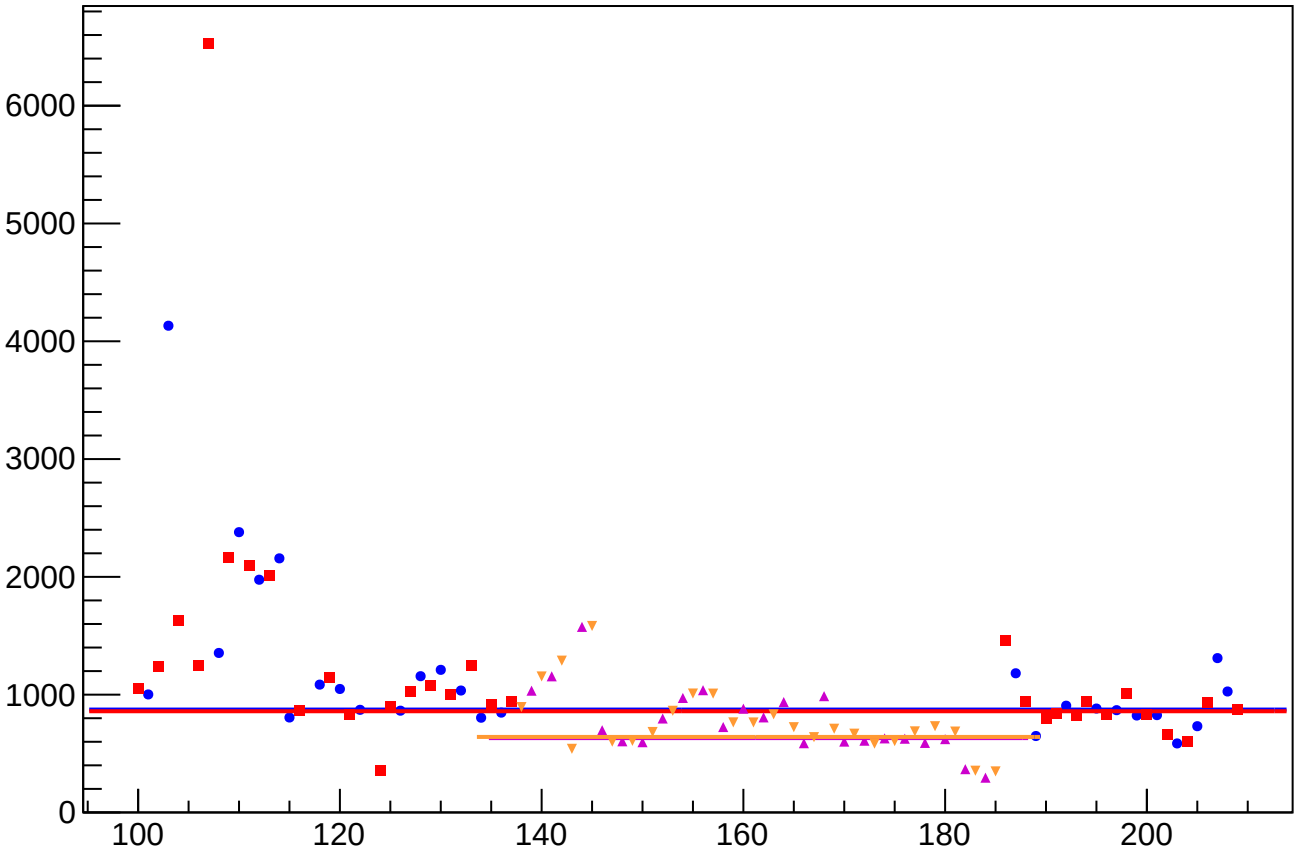
Left: 164.091+/-110.078 χ^2/NDF: 53.9/47

Right: 31.784+/-161.546 χ^2/NDF: 49.0/58

In: 126.314+/-130.568 χ^2/NDF:41.2/49

Out: 118.200+/-126.808 χ^2/NDF:62.1/56

All: 122.138+/-90.967 χ^2/NDF: 103.4/106



Right In: 873.504+/-0.165 χ^2/NDF: 2475732.0/26

Left Out: 641.156+/-0.109 χ^2/NDF:3474860.7/24

Right Out: 859.163+/-0.158 χ^2/NDF: 3133737.0/31

Left In: 631.199+/-0.111 χ^2/NDF:3975438.6/22

Left: 636.286+/-0.078 χ^2/NDF: 7454389.1/47

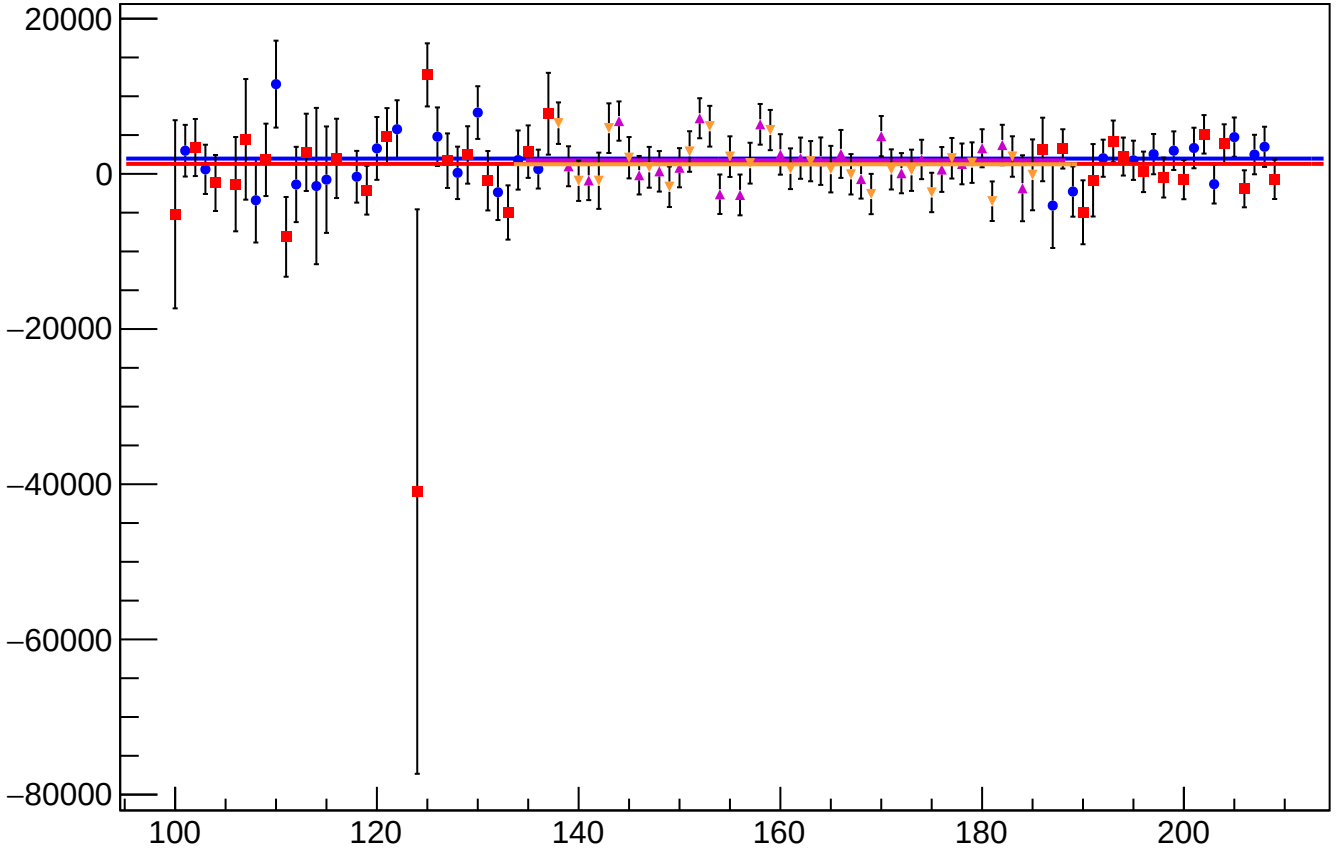
Right: 866.009+/-0.114 χ^2/NDF: 5613400.9/58

In: 706.755+/-0.092 χ^2/NDF:7929229.8/49

Out: 711.364+/-0.090 χ^2/NDF:7899200.9/56

All: 709.127+/-0.064 χ^2/NDF: 15829713.1/10

cor_asym_atl1_mean vs Slug, Sign Corrected



Right In: 1967.116+/-615.708 χ^2/NDF: 19.0/26

Left Out: 1234.706+/-541.289 χ^2/NDF:23.9/24

Right Out: 1287.652+/-601.860 χ^2/NDF: 33.4/31

Left In: 1741.784+/-553.254 χ^2/NDF:24.4/22

Left: 1482.702+/-386.910 χ^2/NDF: 48.7/47

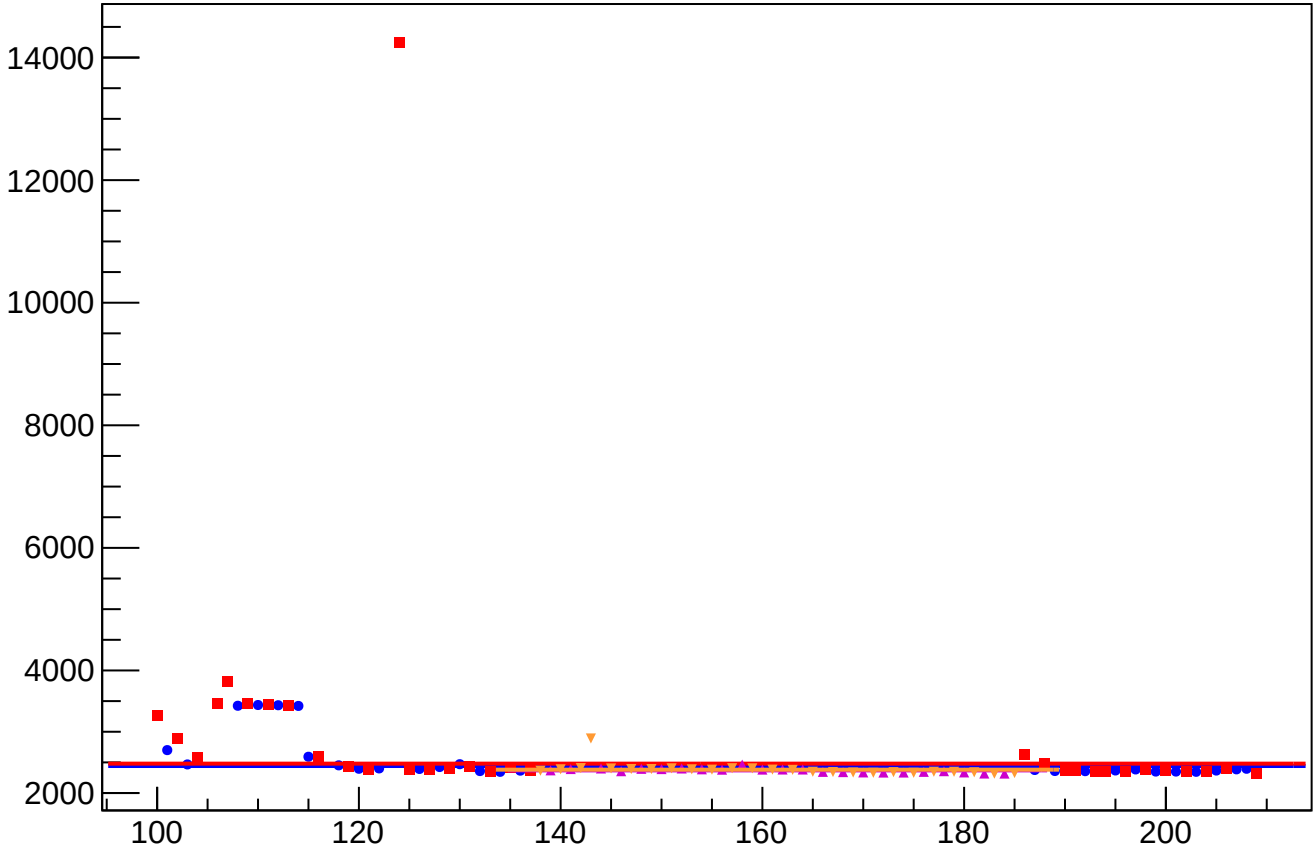
Right: 1619.657+/-430.392 χ^2/NDF: 53.0/58

In: 1842.446+/-411.524 χ^2/NDF:43.5/49

Out: 1258.381+/-402.465 χ^2/NDF:57.3/56

All: 1543.914+/-287.735 χ^2/NDF: 101.8/106

cor_asym_atl1_rms vs Slug, Sign Corrected



Right In: 2441.047+/-0.435 χ^2/NDF: 266893.3/26

Left Out: 2381.235+/-0.383 χ^2/NDF:57623.2/24

Right Out: 2479.559+/-0.426 χ^2/NDF: 644160.0/31

Left In: 2369.384+/-0.391 χ^2/NDF:7034.0/22

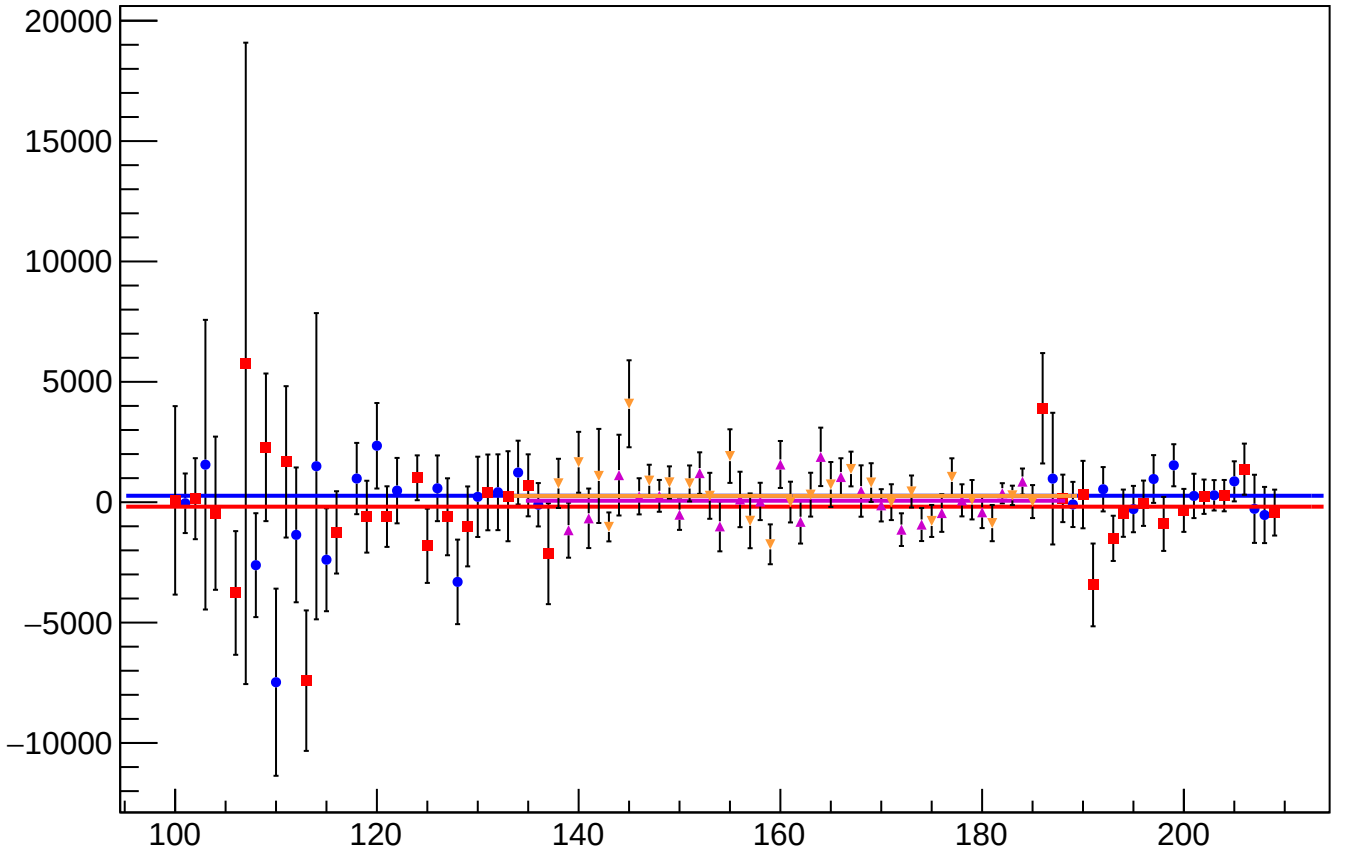
Left: 2375.439+/-0.274 χ^2/NDF: 65126.0/47

Right: 2460.741+/-0.304 χ^2/NDF: 915054.7/58

In: 2401.398+/-0.291 χ^2/NDF:288917.4/49

Out: 2425.202+/-0.285 χ^2/NDF:731292.1/56

All: 2413.565+/-0.203 χ^2/NDF: 1023630.0/10



Right In: 268.255+/-233.819 χ^2/NDF: 18.7/26

Left Out: 262.160+/-154.012 χ^2/NDF:31.1/24

Right Out: -185.104+/-223.590 χ^2/NDF: 27.1/31

Left In: 61.976+/-157.393 χ^2/NDF:22.0/22

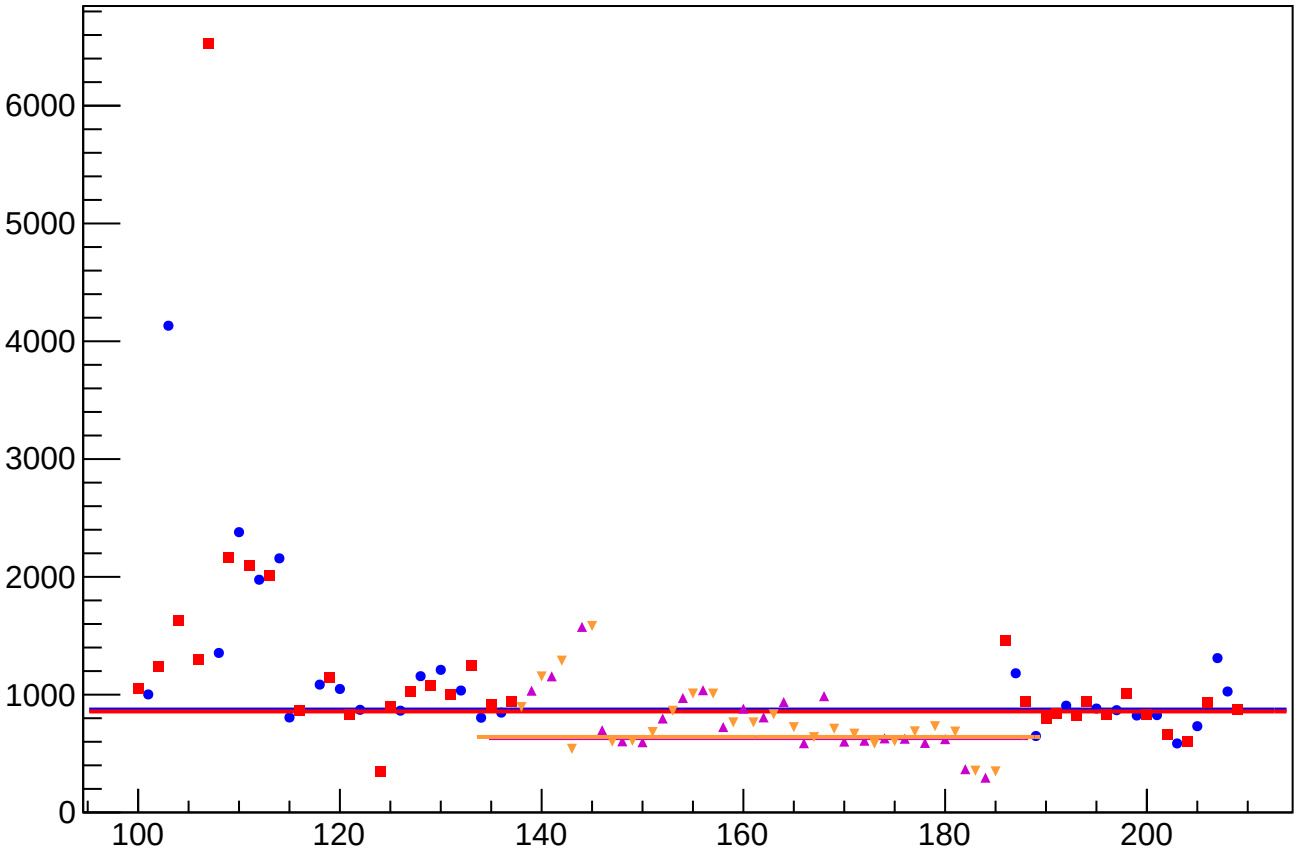
Left: 164.242+/-110.079 χ^2/NDF: 53.9/47

Right: 31.442+/-161.597 χ^2/NDF: 47.7/58

In: 126.299+/-130.568 χ^2/NDF:41.2/49

Out: 118.236+/-126.834 χ^2/NDF:60.9/56

All: 122.151+/-90.977 χ^2/NDF: 102.1/106



Right In: 873.502+/-0.165 χ^2/NDF: 2475740.6/26

Left Out: 641.169+/-0.109 χ^2/NDF:3474589.1/24

Right Out: 857.458+/-0.158 χ^2/NDF: 3155239.8/31

Left In: 631.196+/-0.111 χ^2/NDF:3975563.1/22

Left: 636.291+/-0.078 χ^2/NDF: 7454254.5/47

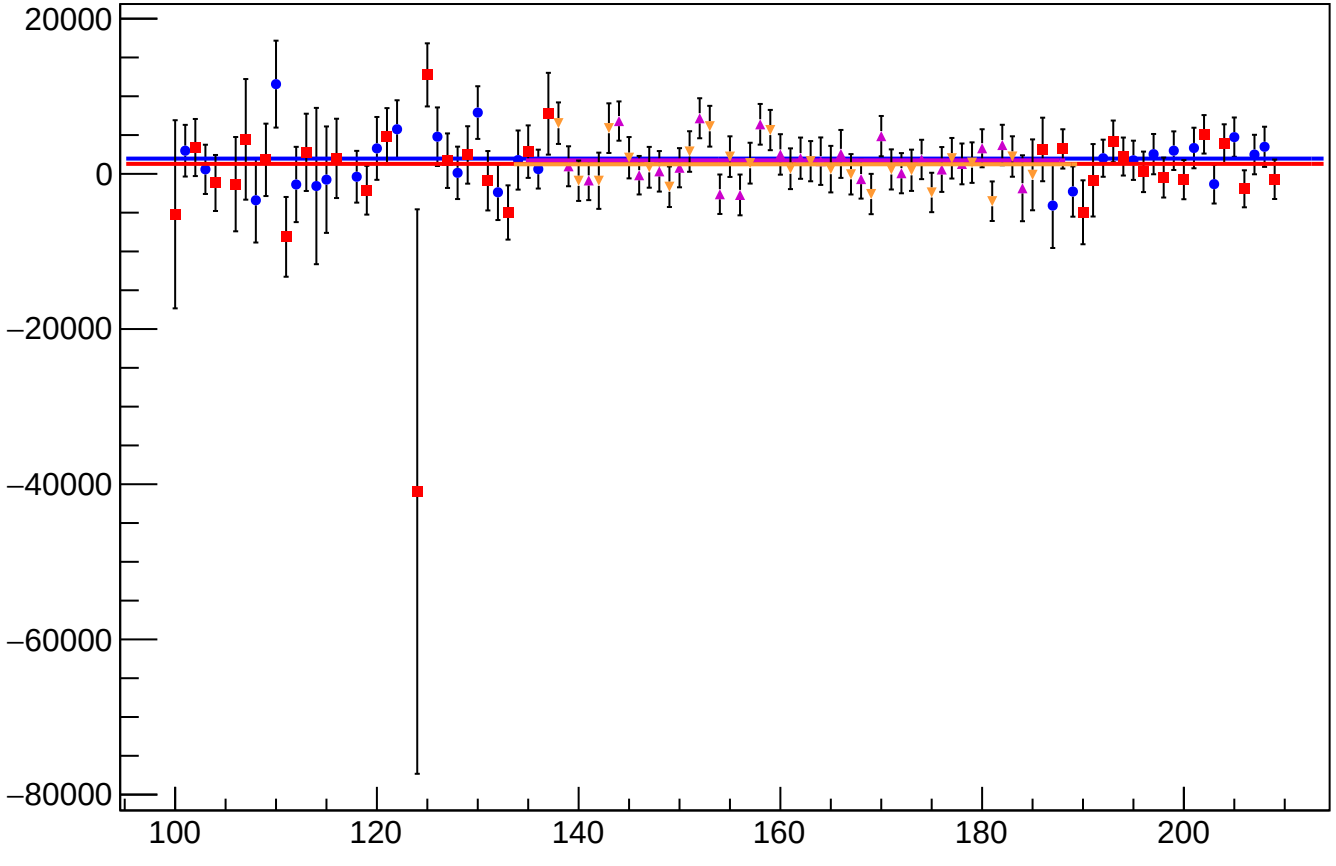
Right: 865.121+/-0.114 χ^2/NDF: 5635899.1/58

In: 706.753+/-0.092 χ^2/NDF:7929378.5/49

Out: 710.768+/-0.090 χ^2/NDF:7899114.6/56

All: 708.819+/-0.064 χ^2/NDF: 15829466.2/10

eigen_cor_asym_atl1_mean vs Slug, Sign Corrected



Right In: 1967.116+/-615.708 χ^2/NDF: 19.0/26

Left Out: 1234.706+/-541.289 χ^2/NDF:23.9/24

Right Out: 1287.652+/-601.860 χ^2/NDF: 33.4/31

Left In: 1741.784+/-553.254 χ^2/NDF:24.4/22

Left: 1482.702+/-386.910 χ^2/NDF: 48.7/47

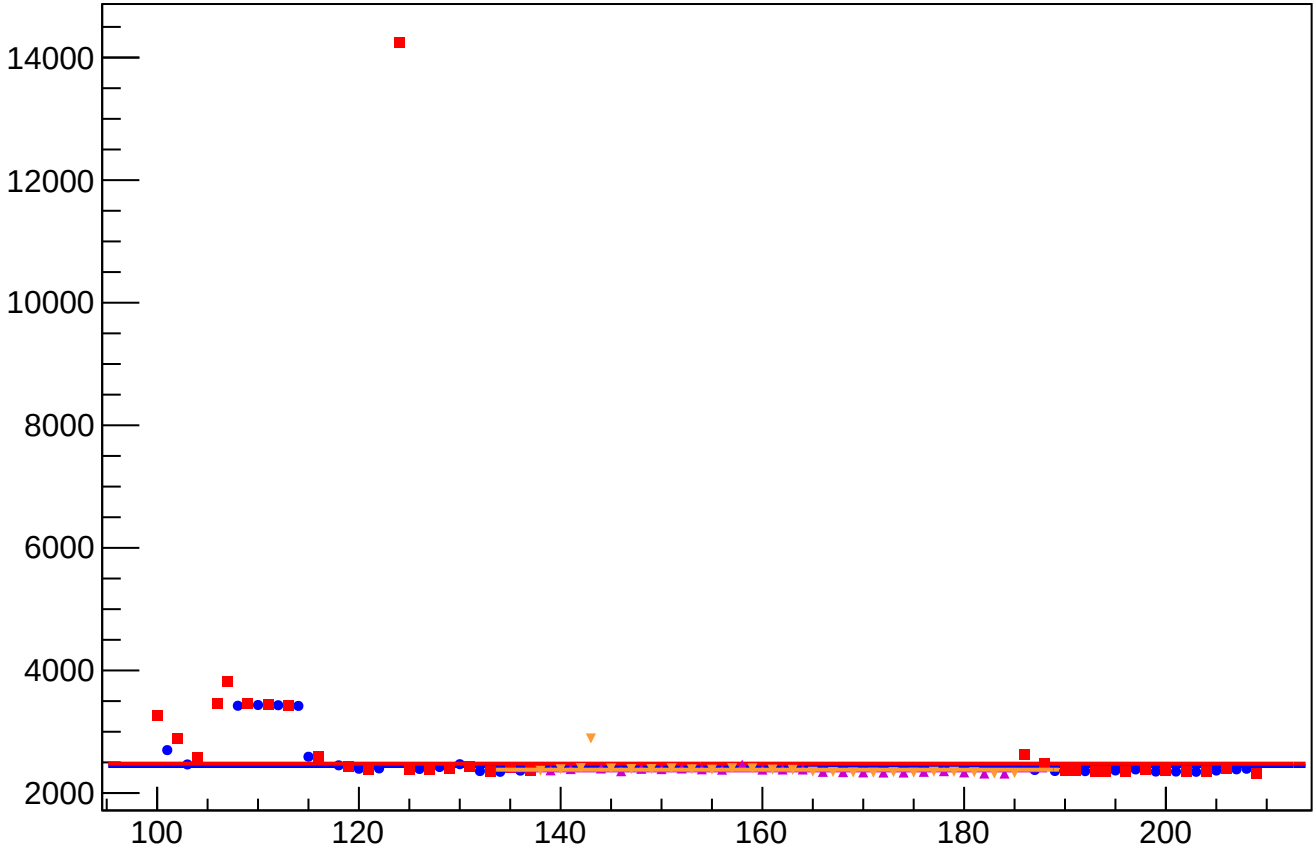
Right: 1619.657+/-430.392 χ^2/NDF: 53.0/58

In: 1842.446+/-411.524 χ^2/NDF:43.5/49

Out: 1258.381+/-402.465 χ^2/NDF:57.3/56

All: 1543.914+/-287.735 χ^2/NDF: 101.8/106

eigen_cor_asym_atl1_rms vs Slug, Sign Corrected



Right In: 2441.047+/-0.435 χ^2/NDF: 266893.3/26

Left Out: 2381.235+/-0.383 χ^2/NDF:57623.2/24

Right Out: 2479.559+/-0.426 χ^2/NDF: 644160.0/31

Left In: 2369.384+/-0.391 χ^2/NDF:7034.0/22

Left: 2375.439+/-0.274 χ^2/NDF: 65126.0/47

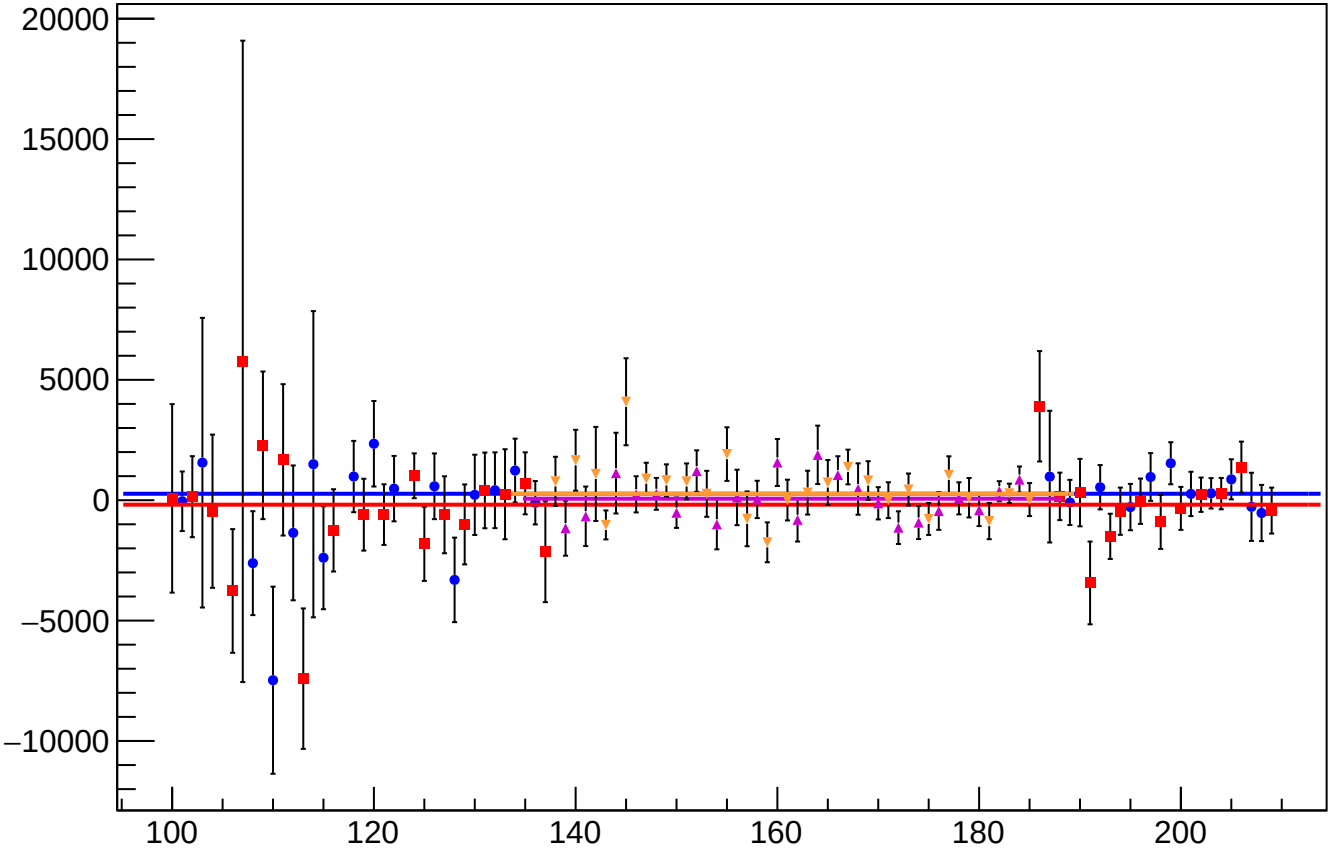
Right: 2460.741+/-0.304 χ^2/NDF: 915054.7/58

In: 2401.398+/-0.291 χ^2/NDF:288917.4/49

Out: 2425.202+/-0.285 χ^2/NDF:731292.1/56

All: 2413.565+/-0.203 χ^2/NDF: 1023630.0/10

asym_atl1_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: 268.255+/-233.819 χ^2/NDF: 18.7/26

Left Out: 262.160+/-154.012 χ^2/NDF:31.1/24

Right Out: -185.104+/-223.590 χ^2/NDF: 27.1/31

Left In: 61.976+/-157.393 χ^2/NDF:22.0/22

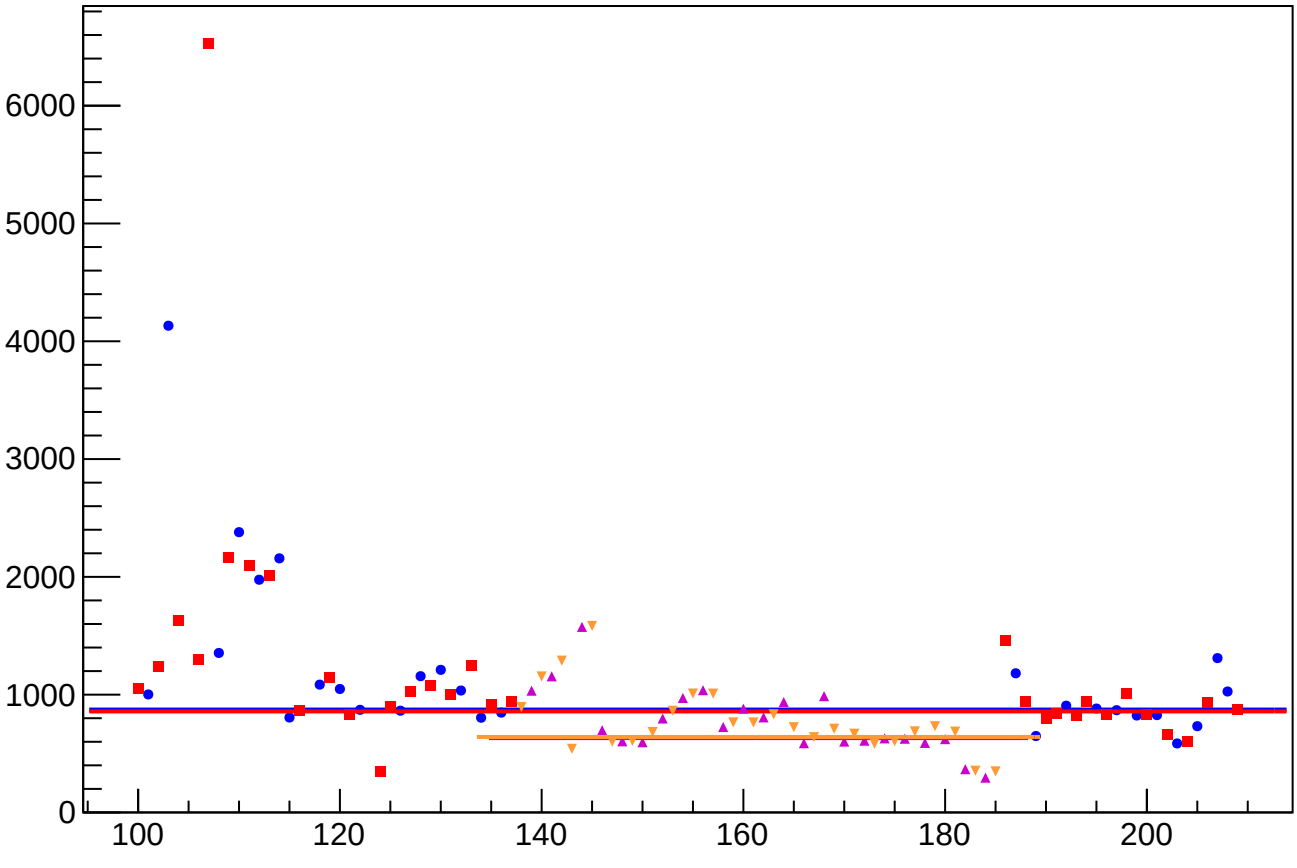
Left: 164.242+/-110.079 χ^2/NDF: 53.9/47

Right: 31.442+/-161.597 χ^2/NDF: 47.7/58

In: 126.299+/-130.568 χ^2/NDF:41.2/49

Out: 118.236+/-126.834 χ^2/NDF:60.9/56

All: 122.151+/-90.977 χ^2/NDF: 102.1/106



Right In: 873.502+/-0.165 χ^2/NDF: 2475740.6/26

Left Out: 641.169+/-0.109 χ^2/NDF:3474589.1/24

Right Out: 857.458+/-0.158 χ^2/NDF: 3155239.8/31

Left In: 631.196+/-0.111 χ^2/NDF:3975563.1/22

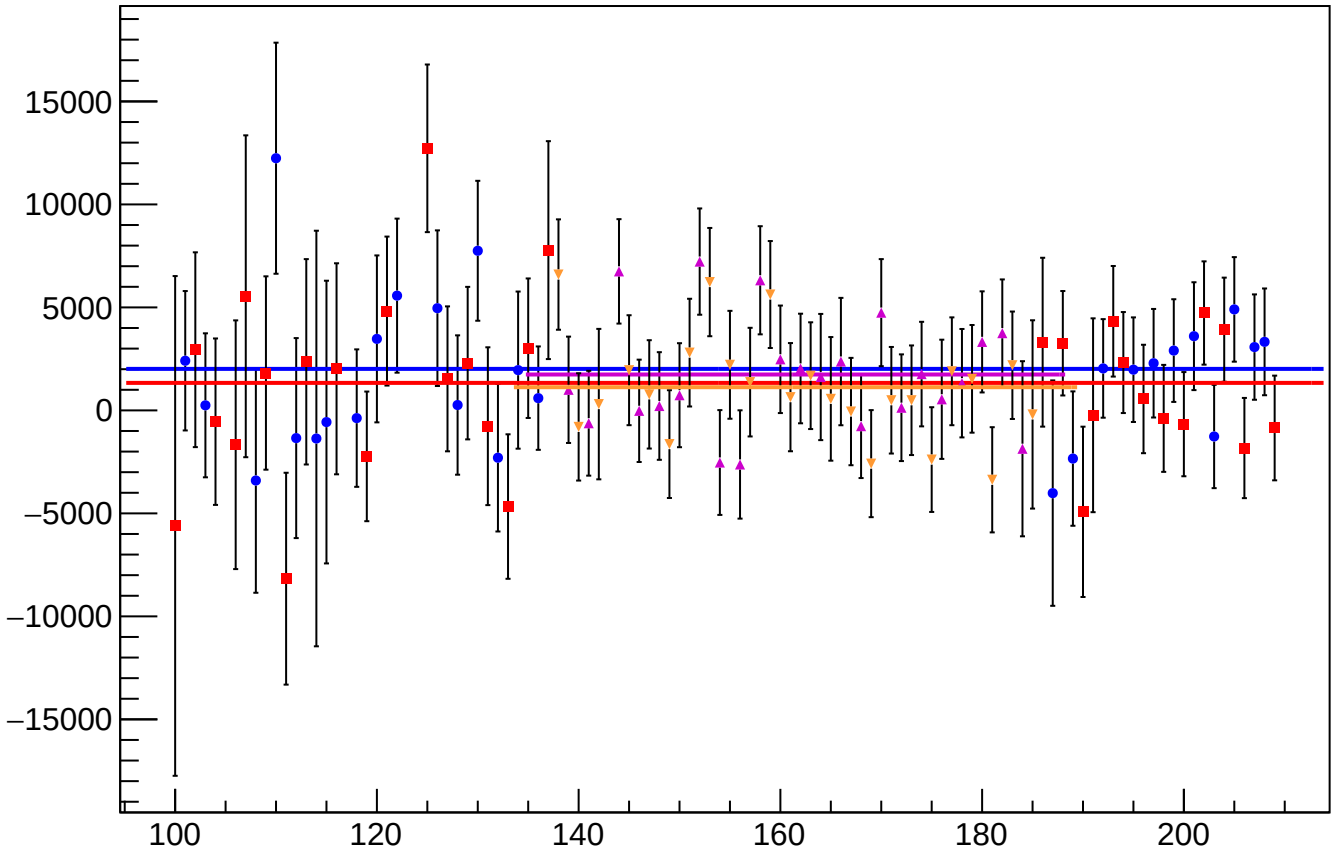
Left: 636.291+/-0.078 χ^2/NDF: 7454254.5/47

Right: 865.121+/-0.114 χ^2/NDF: 5635899.1/58

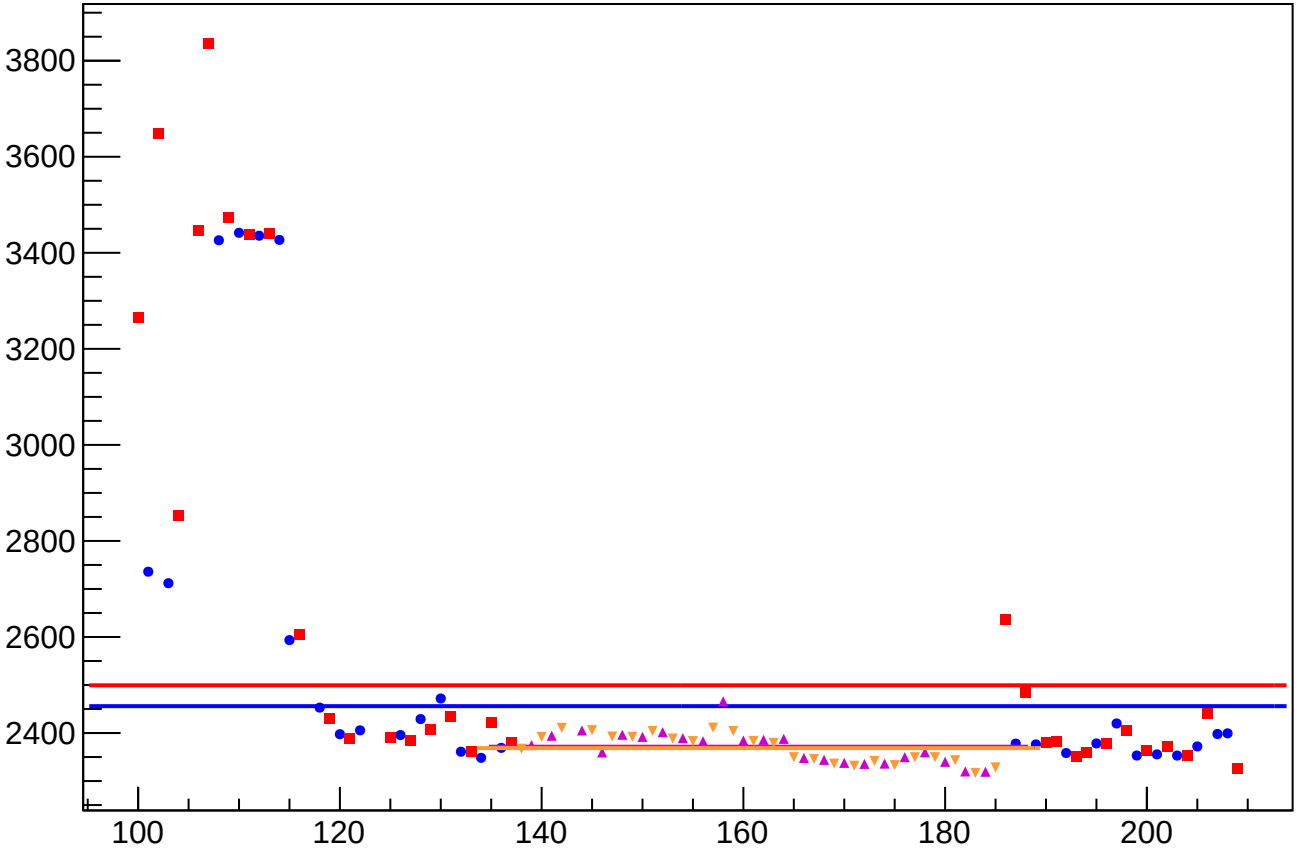
In: 706.753+/-0.092 χ^2/NDF:7929378.5/49

Out: 710.768+/-0.090 χ^2/NDF:7899114.6/56

All: 708.819+/-0.064 χ^2/NDF: 15829466.2/10


dit_asym_atl1_mean vs Slug, Sign Corrected
15000
10000
5000
0
−5000
−10000
−15000
100
120
140
160
180
200
Right In: 2015.159+/-619.708 χ²/NDF: 19.3/26
Left Out: 1125.562+/-549.834 χ²/NDF:21.2/23
Right Out: 1335.207+/-609.224 χ²/NDF: 30.8/30
Left In: 1742.304+/-553.755 χ²/NDF:23.8/22
Left: 1431.742+/-390.170 χ²/NDF: 45.6/46
Right: 1669.383+/-434.446 χ²/NDF: 50.8/57
In: 1863.444+/-412.920 χ²/NDF:43.2/49
Out: 1219.670+/-408.177 χ²/NDF:52.1/54
All: 1537.839+/-290.287 χ²/NDF: 96.5/104

dit_asym_atl1_rms vs Slug, Sign Corrected



Right In: 2455.930+/-0.438 χ^2/NDF: 278208.2/26

Left Out: 2368.569+/-0.389 χ^2/NDF:5571.3/23

Right Out: 2499.360+/-0.431 χ^2/NDF: 540209.1/30

Left In: 2371.518+/-0.392 χ^2/NDF:7053.5/22

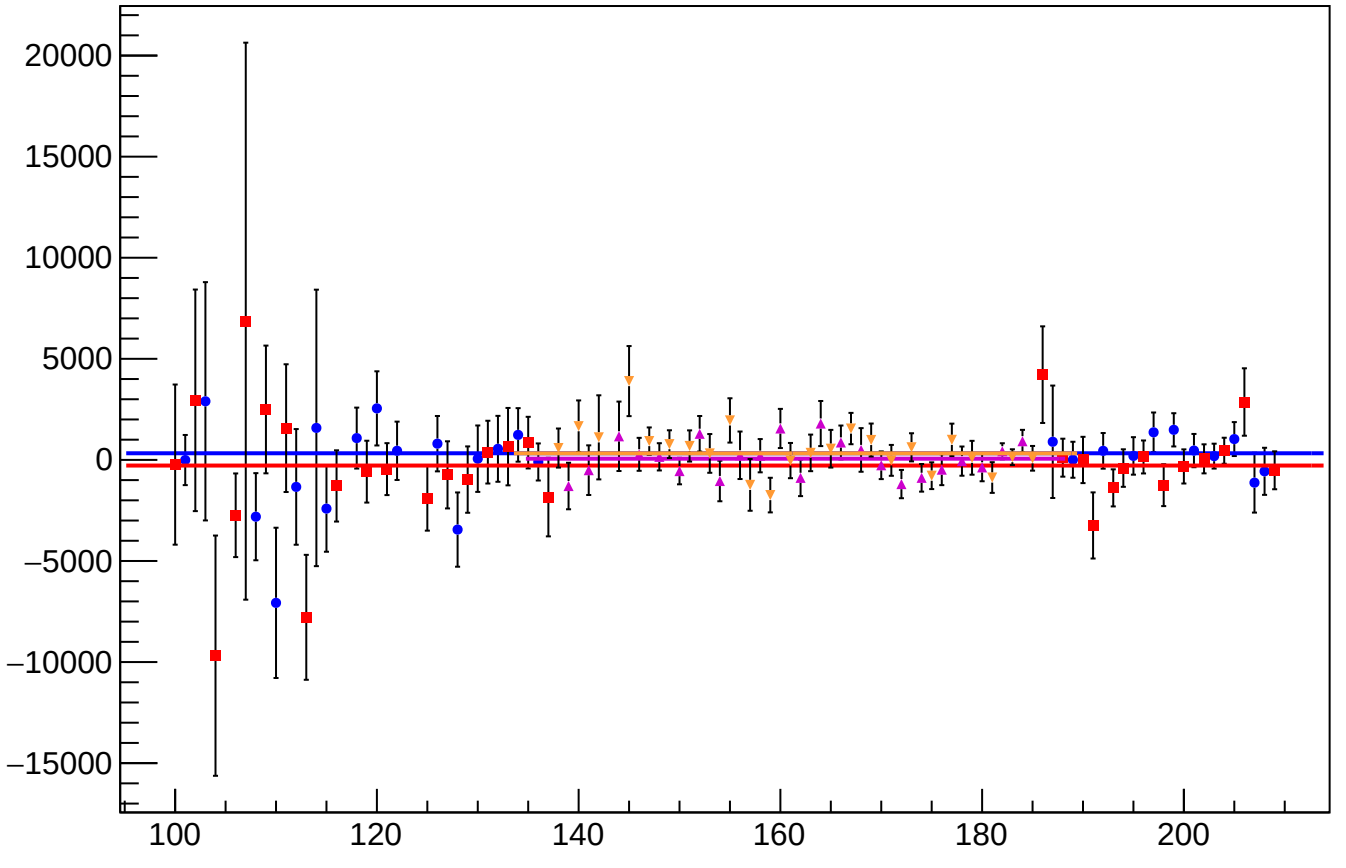
Left: 2370.033+/-0.276 χ^2/NDF: 12653.4/46

Right: 2478.015+/-0.307 χ^2/NDF: 823412.4/57

In: 2408.995+/-0.292 χ^2/NDF:305894.5/49

Out: 2427.280+/-0.289 χ^2/NDF:596580.5/54

All: 2418.243+/-0.205 χ^2/NDF: 904458.7/104



Right In: 328.150+/-229.549 χ^2/NDF: 20.8/26

Left Out: 325.955+/-160.041 χ^2/NDF:26.8/23

Right Out: -279.482+/-228.205 χ^2/NDF: 29.9/30

Left In: 59.619+/-159.669 χ^2/NDF:22.7/22

Left: 192.477+/-113.035 χ^2/NDF: 50.9/46

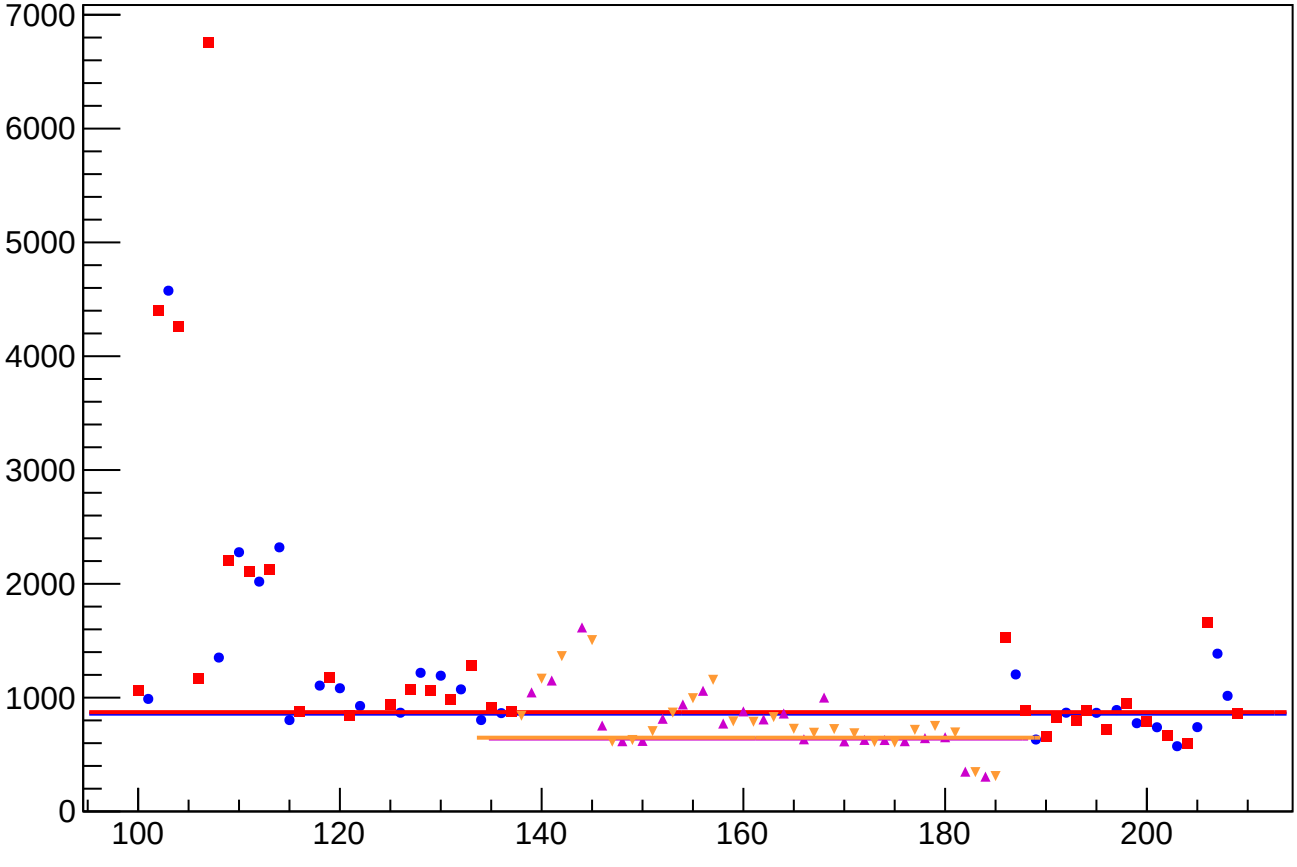
Right: 22.550+/-161.839 χ^2/NDF: 54.2/57

In: 147.178+/-131.078 χ^2/NDF:44.4/49

Out: 126.354+/-131.031 χ^2/NDF:61.4/54

All: 136.762+/-92.669 χ^2/NDF: 105.8/104

asym_atl1_dit_correction_rms vs Slug, Sign Corrected



Right In: 859.231+/-0.162 χ^2/NDF: 2906946.6/26

Left Out: 648.100+/-0.113 χ^2/NDF:3886991.8/23

Right Out: 872.654+/-0.161 χ^2/NDF: 4442568.4/30

Left In: 640.422+/-0.113 χ^2/NDF:4128760.4/22

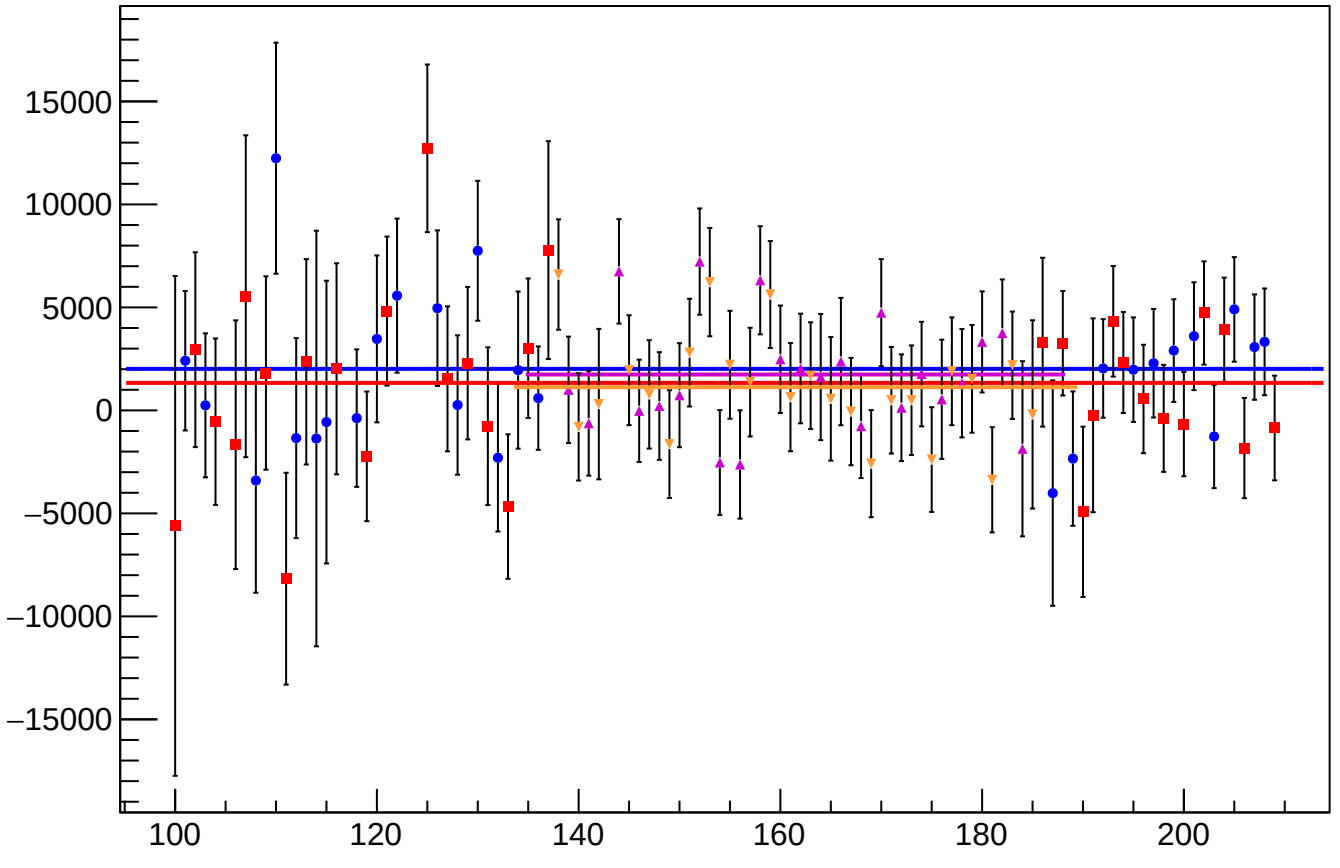
Left: 644.252+/-0.080 χ^2/NDF: 8018059.4/46

Right: 865.982+/-0.114 χ^2/NDF: 7352954.6/57

In: 711.768+/-0.093 χ^2/NDF:8260389.9/49

Out: 722.131+/-0.093 χ^2/NDF:9627635.2/54

All: 716.952+/-0.066 χ^2/NDF: 17894277.9/10



Right In: 2015.156+/-619.708 χ^2/NDF: 19.3/26

Left Out: 1125.562+/-549.834 χ^2/NDF:21.2/23

Right Out: 1335.207+/-609.224 χ^2/NDF: 30.8/30

Left In: 1742.305+/-553.755 χ^2/NDF:23.8/22

Left: 1431.742+/-390.170 χ^2/NDF: 45.6/46

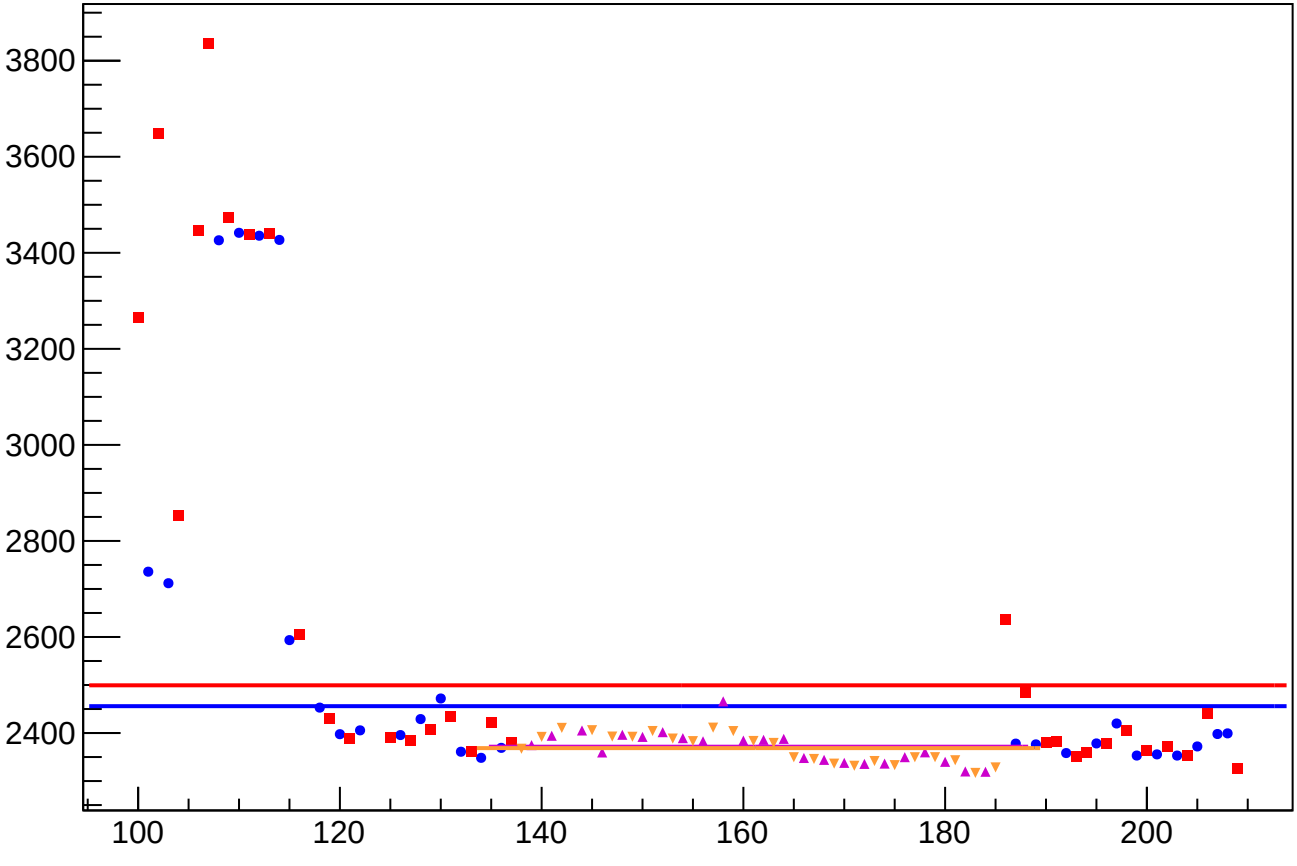
Right: 1669.381+/-434.446 χ^2/NDF: 50.8/57

In: 1863.443+/-412.920 χ^2/NDF:43.2/49

Out: 1219.671+/-408.177 χ^2/NDF:52.1/54

All: 1537.839+/-290.287 χ^2/NDF: 96.5/104

eigen_dit_asym_atl1_rms vs Slug, Sign Corrected



Right In: 2455.930+/-0.438 χ^2/NDF: 278207.7/26

Left Out: 2368.569+/-0.389 χ^2/NDF:5571.3/23

Right Out: 2499.360+/-0.431 χ^2/NDF: 540208.2/30

Left In: 2371.518+/-0.392 χ^2/NDF:7053.5/22

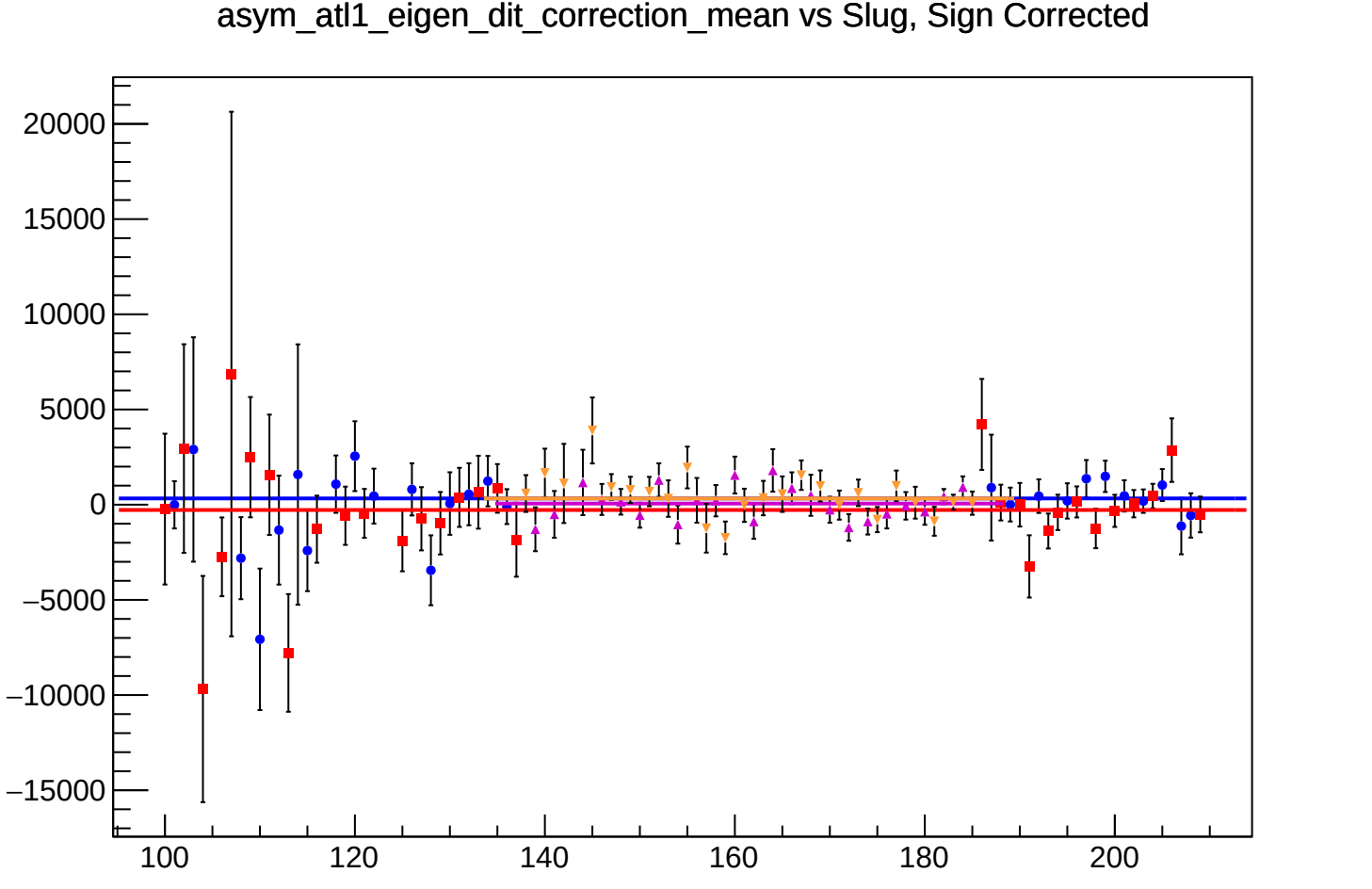
Left: 2370.033+/-0.276 χ^2/NDF: 12653.4/46

Right: 2478.015+/-0.307 χ^2/NDF: 823411.0/57

In: 2408.995+/-0.292 χ^2/NDF:305894.0/49

Out: 2427.280+/-0.289 χ^2/NDF:596579.5/54

All: 2418.243+/-0.205 χ^2/NDF: 904457.2/104



Right In: 328.150+/-229.549 χ^2/NDF: 20.8/26

Left Out: 325.955+/-160.042 χ^2/NDF:26.8/23

Right Out: -279.483+/-228.205 χ^2/NDF: 29.9/30

Left In: 59.619+/-159.670 χ^2/NDF:22.7/22

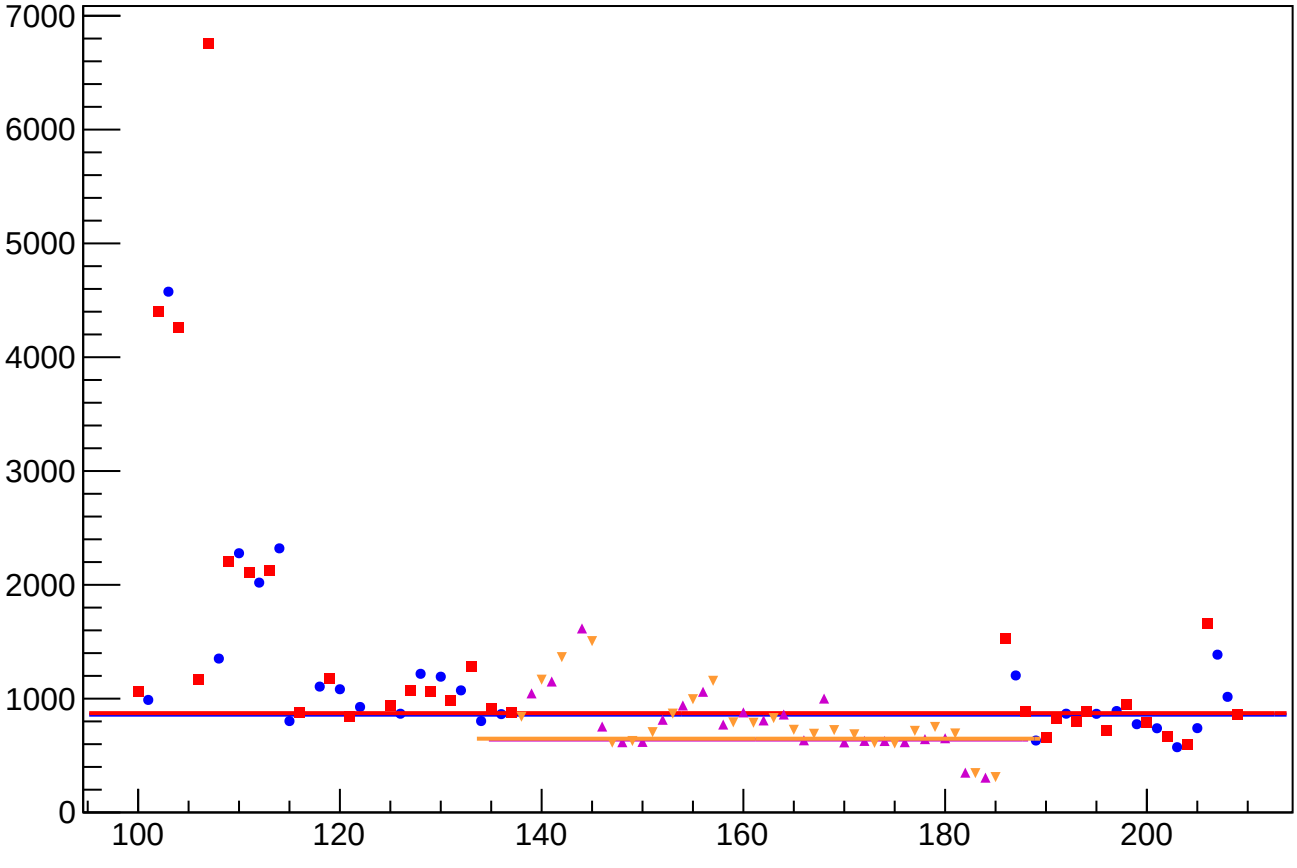
Left: 192.477+/-113.035 χ^2/NDF: 50.9/46

Right: 22.550+/-161.838 χ^2/NDF: 54.2/57

In: 147.178+/-131.078 χ^2/NDF:44.4/49

Out: 126.353+/-131.031 χ^2/NDF:61.4/54

All: 136.762+/-92.669 χ^2/NDF: 105.8/104



Right In: 859.230+/-0.162 χ^2/NDF: 2906948.8/26

Left Out: 648.101+/-0.113 χ^2/NDF:3887001.9/23

Right Out: 872.654+/-0.161 χ^2/NDF: 4442572.6/30

Left In: 640.423+/-0.113 χ^2/NDF:4128774.2/22

Left: 644.253+/-0.080 χ^2/NDF: 8018083.4/46

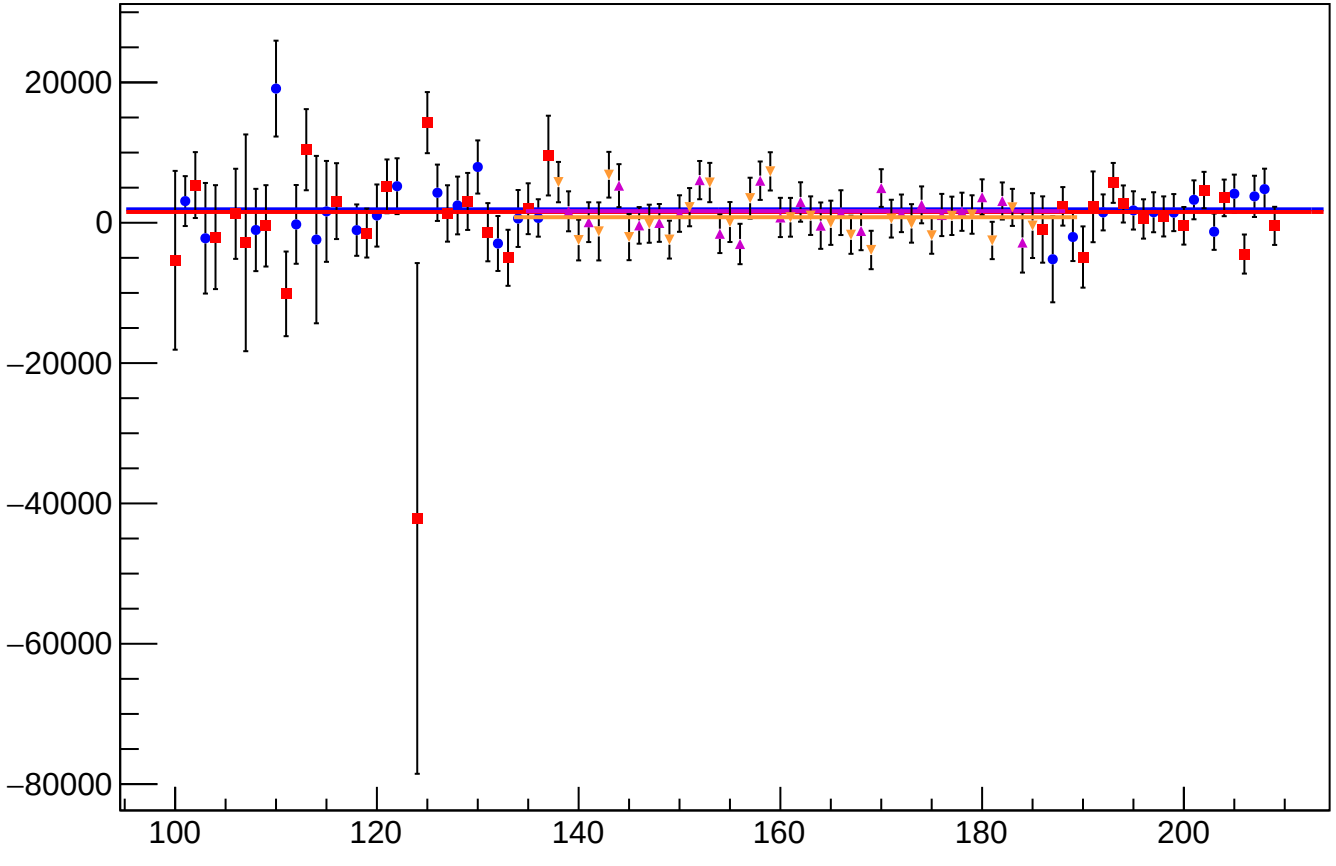
Right: 865.981+/-0.114 χ^2/NDF: 7352961.1/57

In: 711.769+/-0.093 χ^2/NDF:8260392.7/49

Out: 722.132+/-0.093 χ^2/NDF:9627636.0/54

All: 716.952+/-0.066 χ^2/NDF: 17894281.6/10

asym_atl1_mean vs Slug, Sign Corrected



Right In: 1912.776+/-680.096 χ^2/NDF: 19.9/26

Left Out: 791.438+/-573.266 χ^2/NDF:27.1/24

Right Out: 1537.738+/-665.373 χ^2/NDF: 37.3/31

Left In: 1654.626+/-586.767 χ^2/NDF:17.3/22

Left: 1212.987+/-410.050 χ^2/NDF: 45.6/47

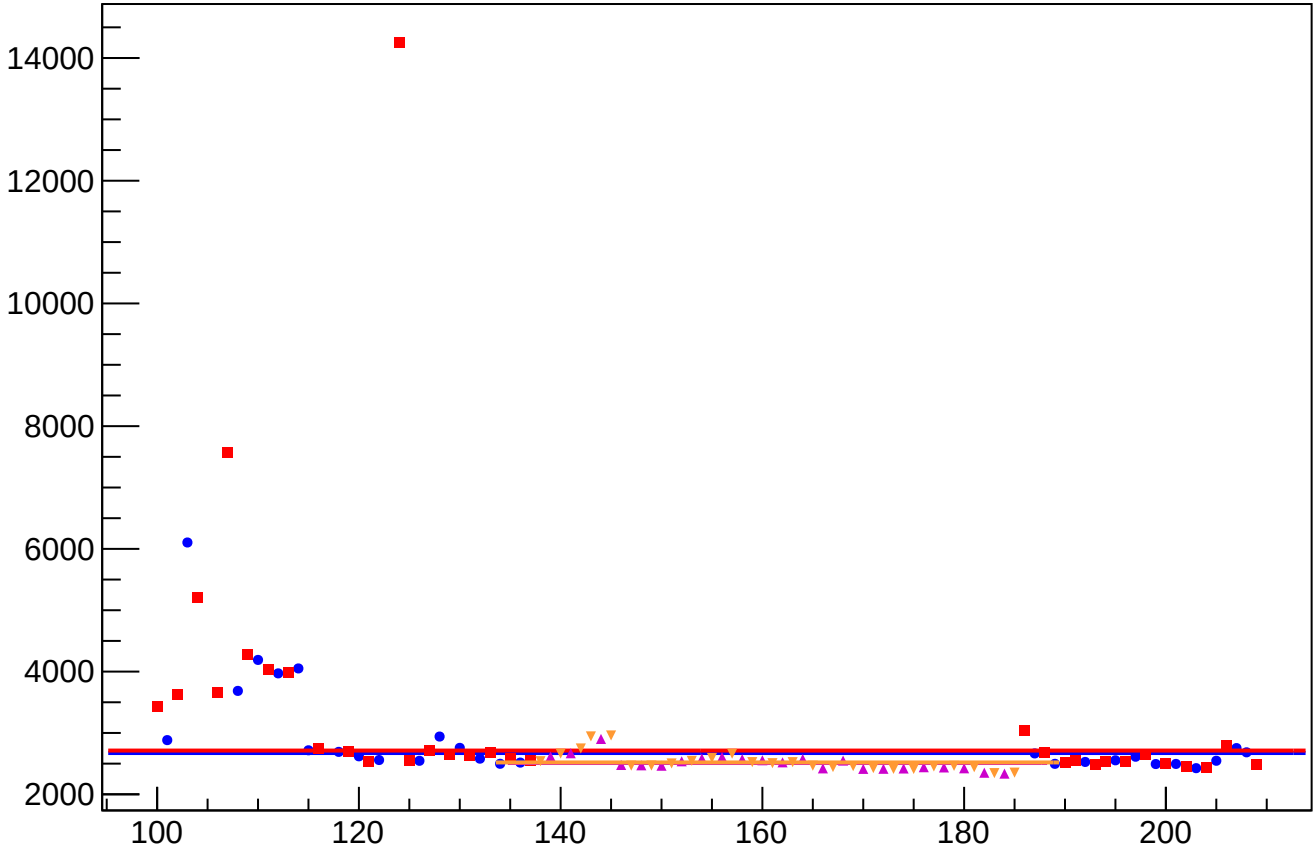
Right: 1721.154+/-475.610 χ^2/NDF: 57.4/58

In: 1764.786+/-444.269 χ^2/NDF:37.4/49

Out: 1109.397+/-434.305 χ^2/NDF:65.2/56

All: 1429.659+/-310.563 χ^2/NDF: 103.6/106

asym_atl1_rms vs Slug, Sign Corrected



Right In: 2672.779+/-0.481 χ^2/NDF: 761213.7/26

Left Out: 2519.516+/-0.405 χ^2/NDF:115204.3/24

Right Out: 2712.992+/-0.470 χ^2/NDF: 1219614.6/31

Left In: 2510.156+/-0.415 χ^2/NDF:73771.4/22

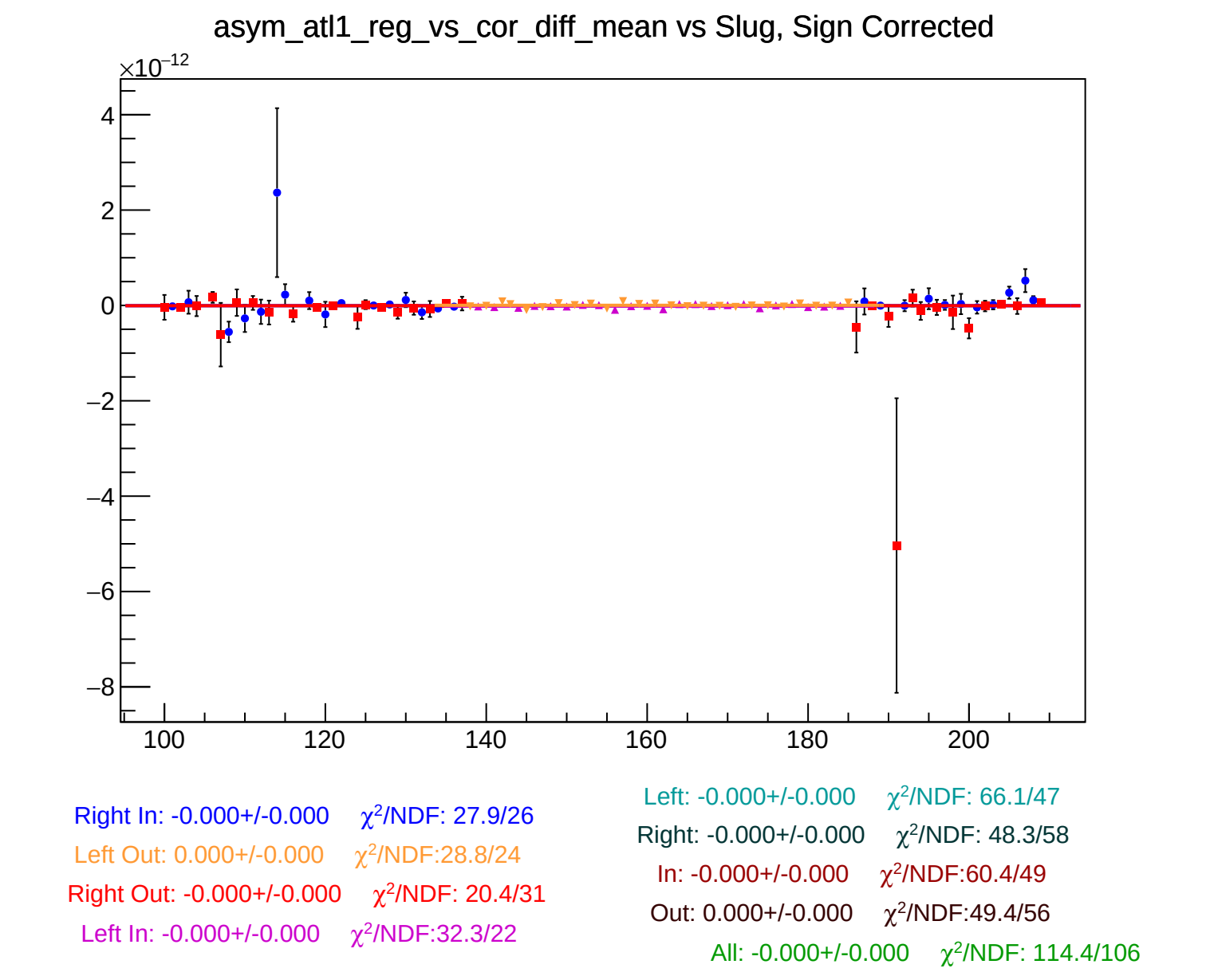
Left: 2514.945+/-0.290 χ^2/NDF: 189236.0/47

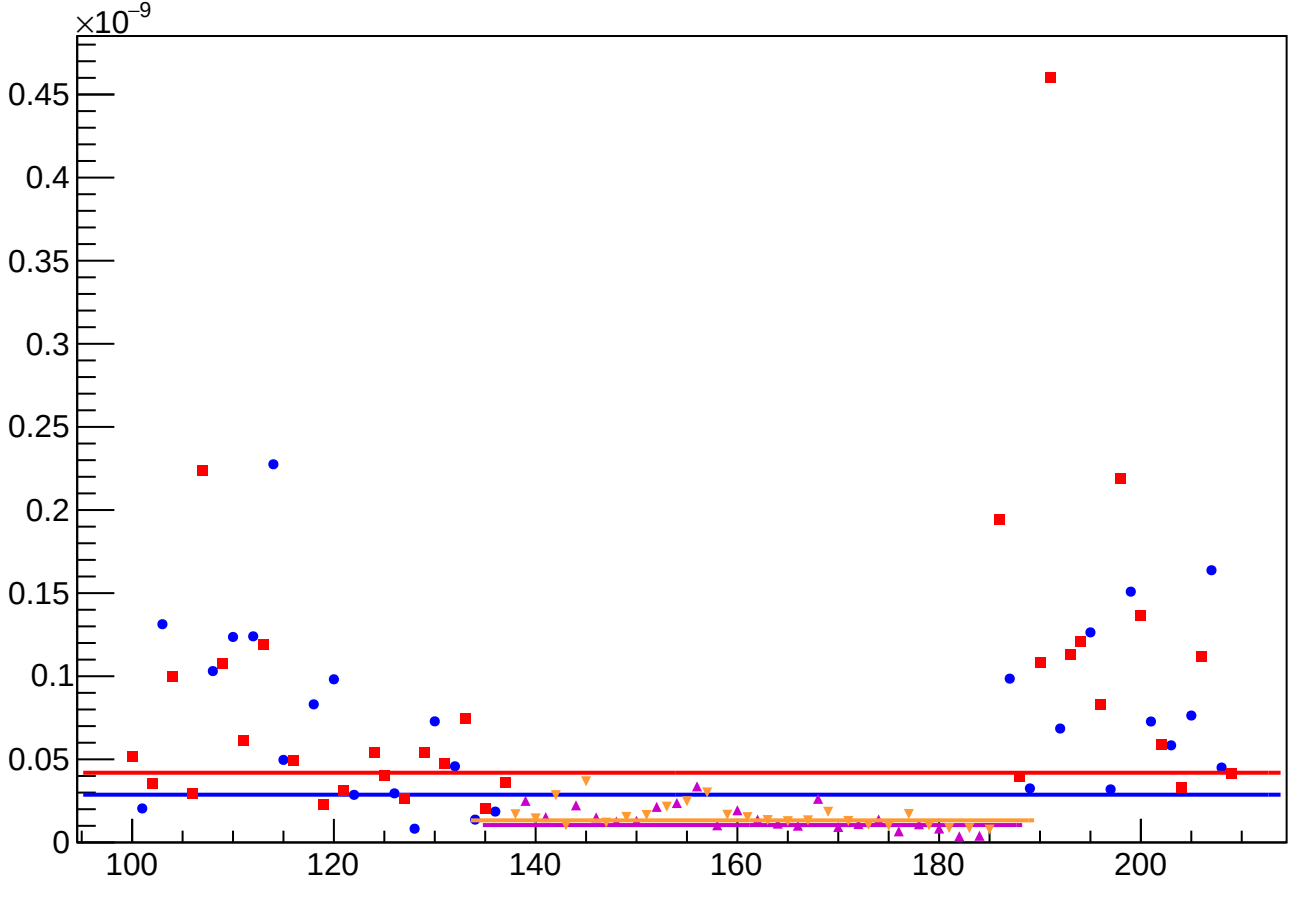
Right: 2693.325+/-0.336 χ^2/NDF: 1984400.8/58

In: 2579.552+/-0.314 χ^2/NDF:900541.6/49

Out: 2601.945+/-0.307 χ^2/NDF:1431876.5/56

All: 2591.003+/-0.220 χ^2/NDF: 2335016.4/10


asym_atl1_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
4
2
0
−2
−4
−6
−8
100
120
140
160
180
200
Right In: -0.000+/-0.000 χ²/NDF: 27.9/26
Left Out: 0.000+/-0.000 χ²/NDF:28.8/24
Right Out: -0.000+/-0.000 χ²/NDF: 20.4/31
Left In: -0.000+/-0.000 χ²/NDF:32.3/22
Left: -0.000+/-0.000 χ²/NDF: 66.1/47
Right: -0.000+/-0.000 χ²/NDF: 48.3/58
In: -0.000+/-0.000 χ²/NDF:60.4/49
Out: 0.000+/-0.000 χ²/NDF:49.4/56
All: -0.000+/-0.000 χ²/NDF: 114.4/106



Right In: 0.000+/-0.000 χ^2/NDF: 5446245.4/26

Left Out: 0.000+/-0.000 χ^2/NDF:1472019.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 3949079.9/31

Left In: 0.000+/-0.000 χ^2/NDF:2813965.8/22

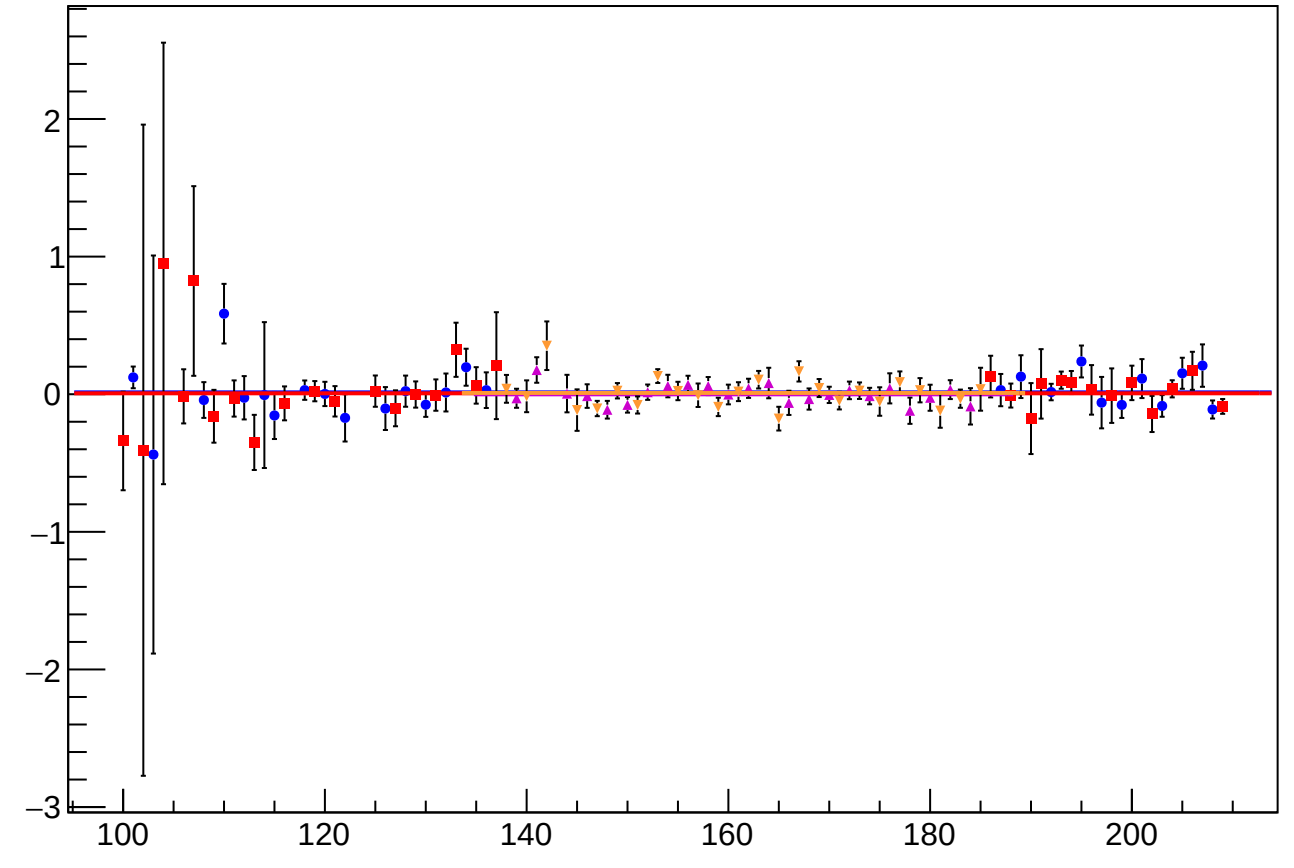
Left: 0.000+/-0.000 χ^2/NDF: 4603369.9/47

Right: 0.000+/-0.000 χ^2/NDF: 9973810.3/58

In: 0.000+/-0.000 χ^2/NDF:10811883.3/49

Out: 0.000+/-0.000 χ^2/NDF:9596249.7/56

All: 0.000+/-0.000 χ^2/NDF: 20858051.1/106



Right In: 0.013+/-0.021 χ^2/NDF: 29.1/26

Left Out: 0.009+/-0.015 χ^2/NDF:34.7/23

Right Out: 0.007+/-0.021 χ^2/NDF: 22.2/30

Left In: -0.001+/-0.015 χ^2/NDF:15.6/22

Left: 0.004+/-0.011 χ^2/NDF: 50.5/46

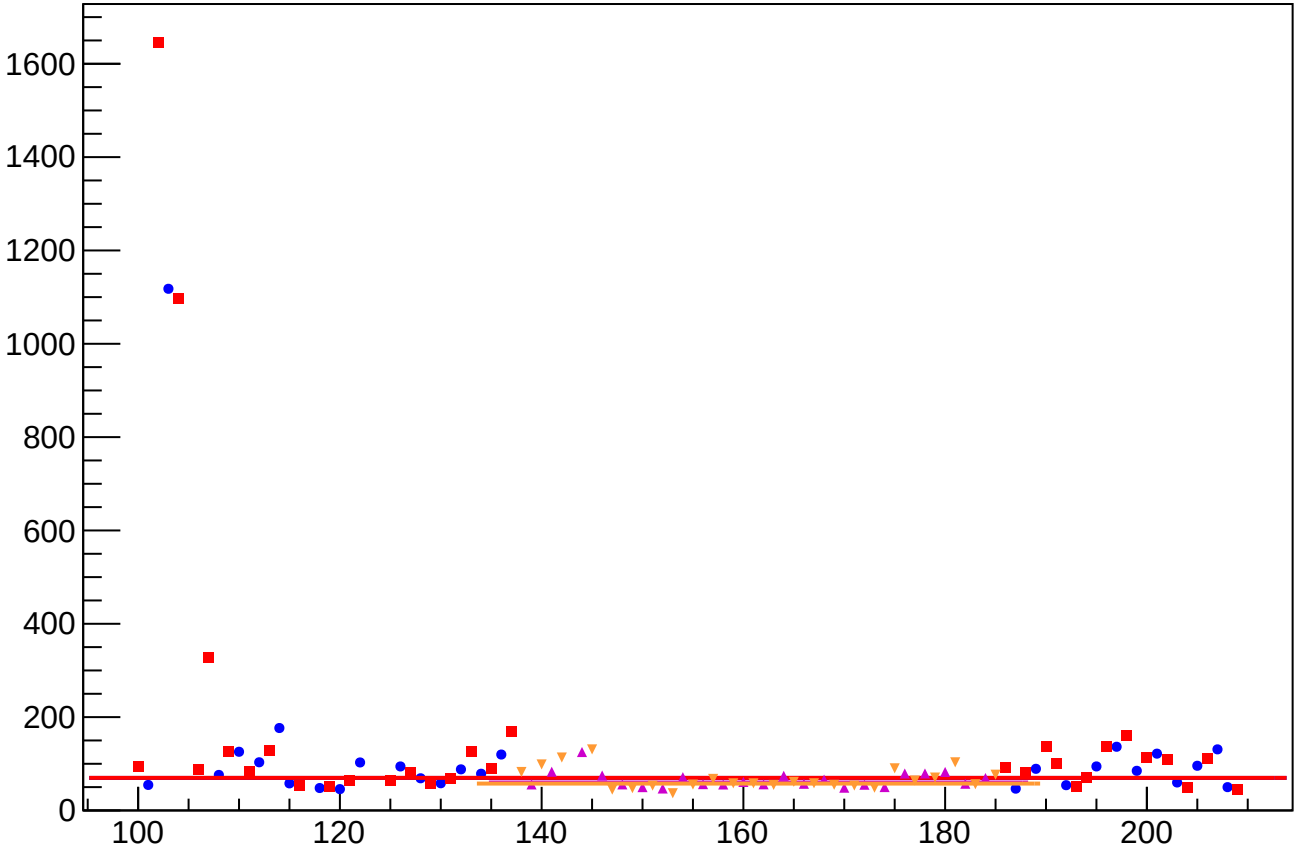
Right: 0.010+/-0.015 χ^2/NDF: 51.3/57

In: 0.004+/-0.012 χ^2/NDF:44.9/49

Out: 0.008+/-0.012 χ^2/NDF:56.9/54

All: 0.006+/-0.009 χ^2/NDF: 101.9/104

asym_atl1_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 69.666+/-0.015 χ^2/NDF: 3826822.9/26

Left Out: 57.606+/-0.011 χ^2/NDF:2213142.2/23

Right Out: 69.826+/-0.015 χ^2/NDF: 5299635.0/30

Left In: 59.828+/-0.011 χ^2/NDF:1340700.1/22

Left: 58.689+/-0.008 χ^2/NDF: 3574922.2/46

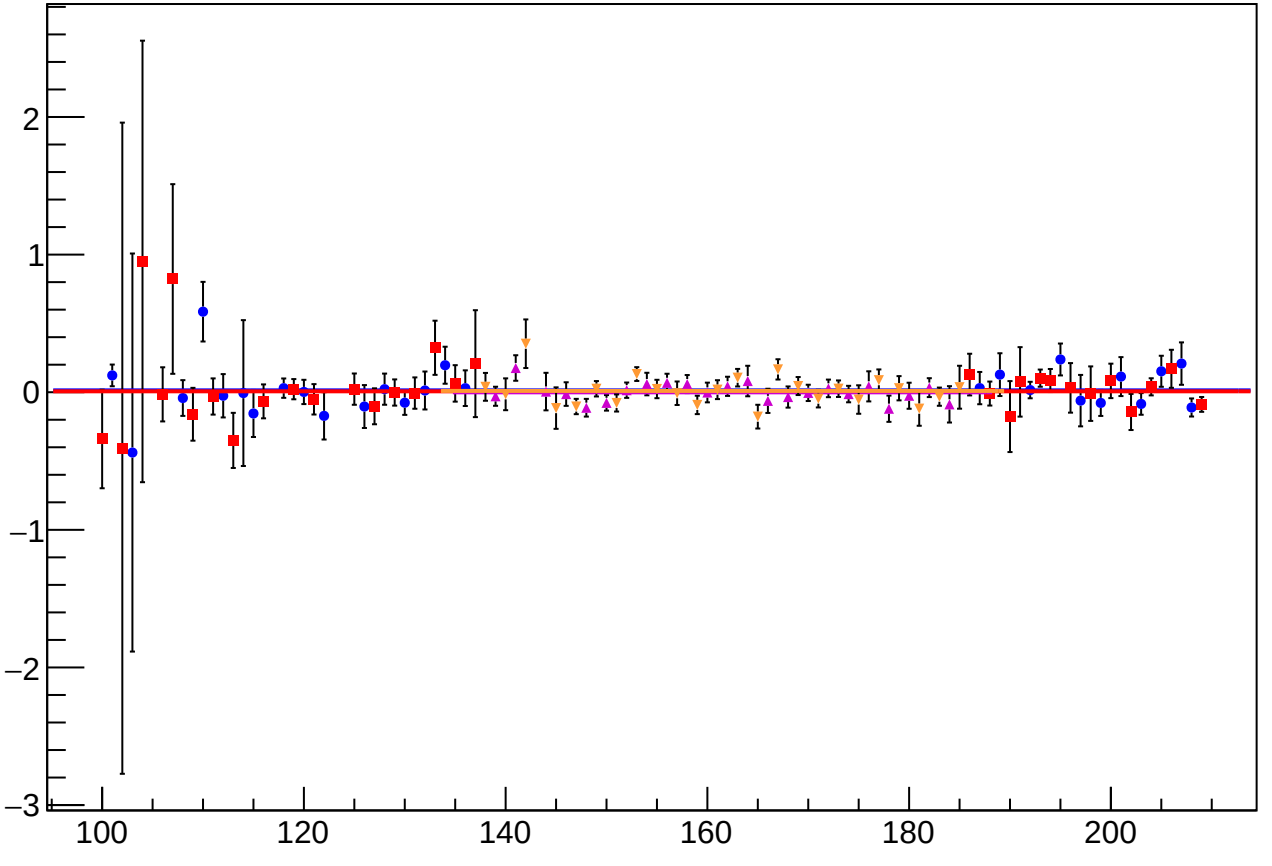
Right: 69.747+/-0.010 χ^2/NDF: 9126517.0/57

In: 63.300+/-0.009 χ^2/NDF:5452174.9/49

Out: 61.850+/-0.009 χ^2/NDF:7967283.1/54

All: 62.560+/-0.006 χ^2/NDF: 13433279.2/104

asym_atl1_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.013+/-0.021 χ^2/NDF: 29.1/26

Left Out: 0.009+/-0.015 χ^2/NDF:34.7/23

Right Out: 0.007+/-0.021 χ^2/NDF: 22.2/30

Left In: -0.001+/-0.015 χ^2/NDF:15.6/22

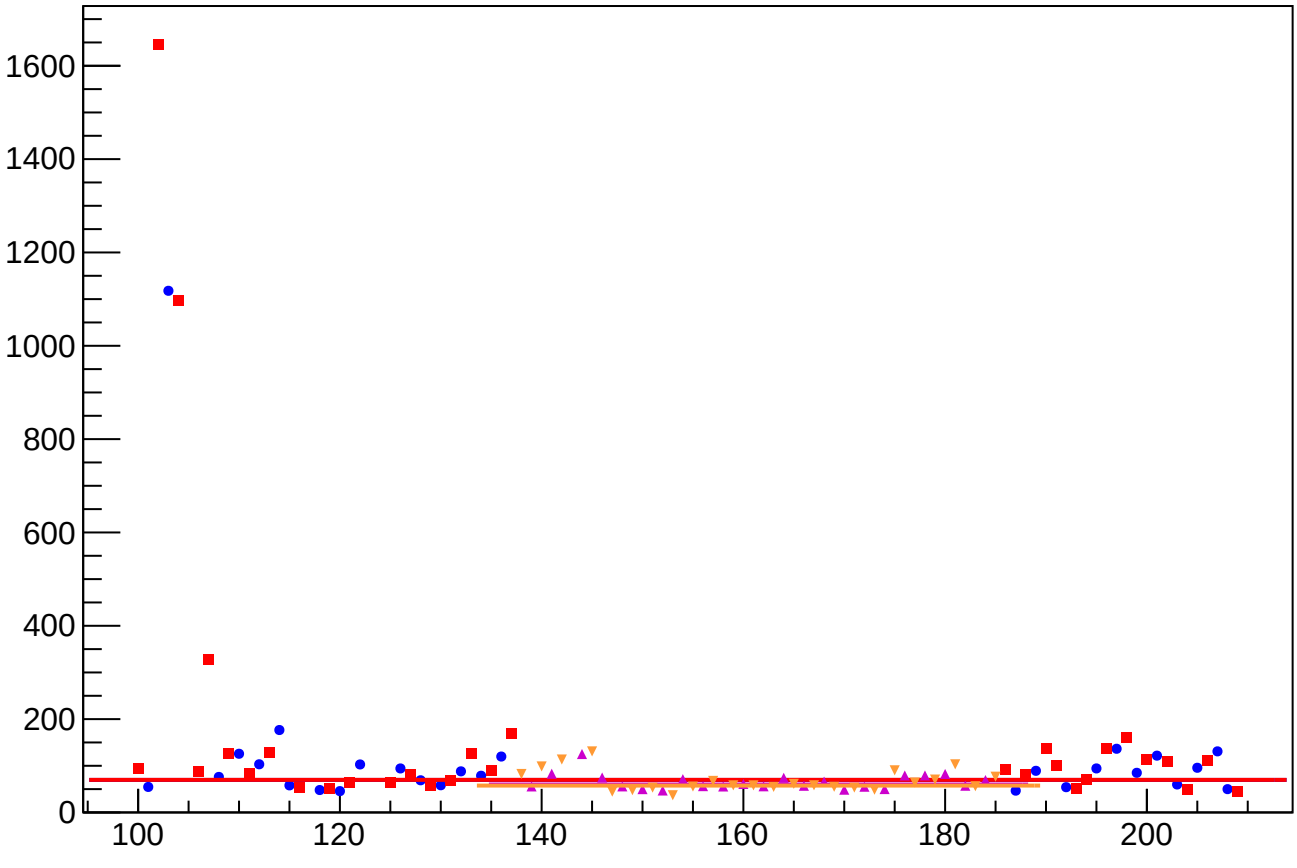
Left: 0.004+/-0.011 χ^2/NDF: 50.5/46

Right: 0.010+/-0.015 χ^2/NDF: 51.3/57

In: 0.004+/-0.012 χ^2/NDF:44.9/49

Out: 0.008+/-0.012 χ^2/NDF:56.9/54

All: 0.006+/-0.009 χ^2/NDF: 101.9/104



Right In: 69.666+/-0.015 χ^2/NDF: 3826822.9/26

Left Out: 57.606+/-0.011 χ^2/NDF:2213142.2/23

Right Out: 69.826+/-0.015 χ^2/NDF: 5299635.0/30

Left In: 59.828+/-0.011 χ^2/NDF:1340700.1/22

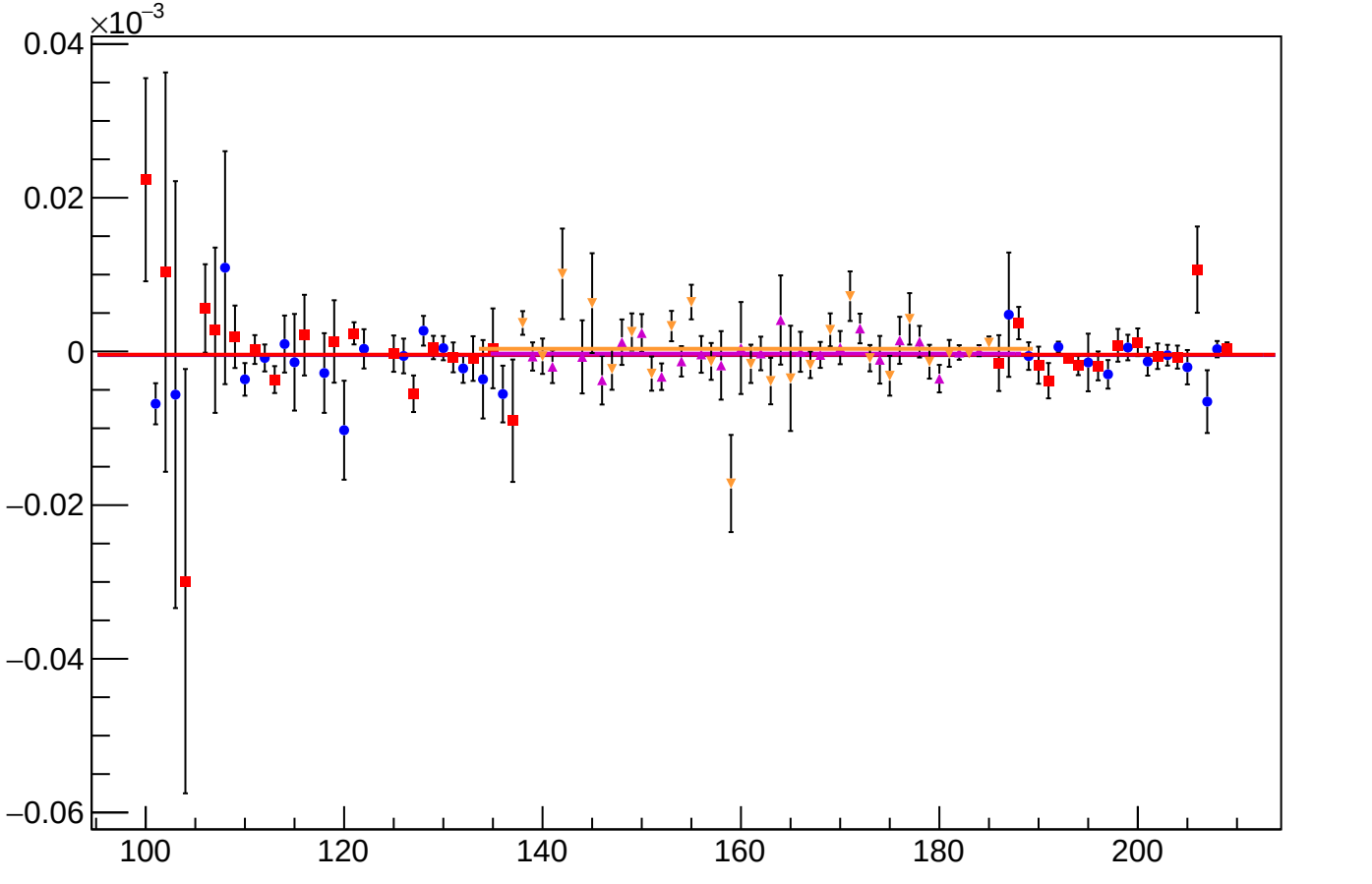
Left: 58.689+/-0.008 χ^2/NDF: 3574922.2/46

Right: 69.747+/-0.010 χ^2/NDF: 9126517.0/57

In: 63.300+/-0.009 χ^2/NDF:5452174.9/49

Out: 61.850+/-0.009 χ^2/NDF:7967283.1/54

All: 62.560+/-0.006 χ^2/NDF: 13433279.2/104



Right In: -0.000+/-0.000 χ^2/NDF: 25.9/26

Left Out: 0.000+/-0.000 χ^2/NDF:46.8/23

Right Out: -0.000+/-0.000 χ^2/NDF: 34.8/30

Left In: -0.000+/-0.000 χ^2/NDF:14.9/22

Left: 0.000+/-0.000 χ^2/NDF: 63.2/46

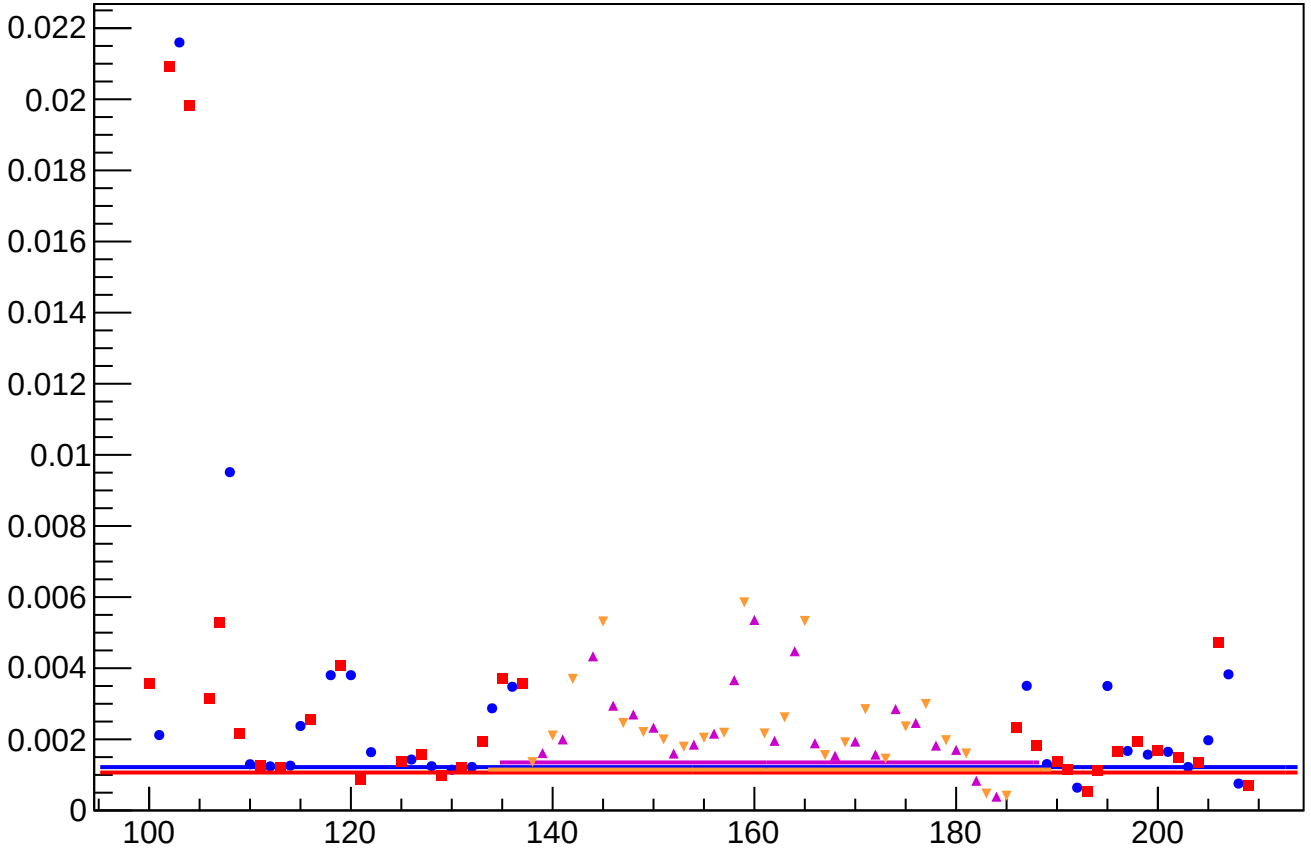
Right: -0.000+/-0.000 χ^2/NDF: 60.7/57

In: -0.000+/-0.000 χ^2/NDF:40.9/49

Out: -0.000+/-0.000 χ^2/NDF:84.3/54

All: -0.000+/-0.000 χ^2/NDF: 126.0/104

asym_atl1_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.001+/-0.000 χ^2/NDF: 7900025.6/26

Left Out: 0.001+/-0.000 χ^2/NDF:13242273.9/23

Right Out: 0.001+/-0.000 χ^2/NDF: 9184763.2/30

Left In: 0.001+/-0.000 χ^2/NDF:10247159.8/22

Left: 0.001+/-0.000 χ^2/NDF: 23793610.5/46

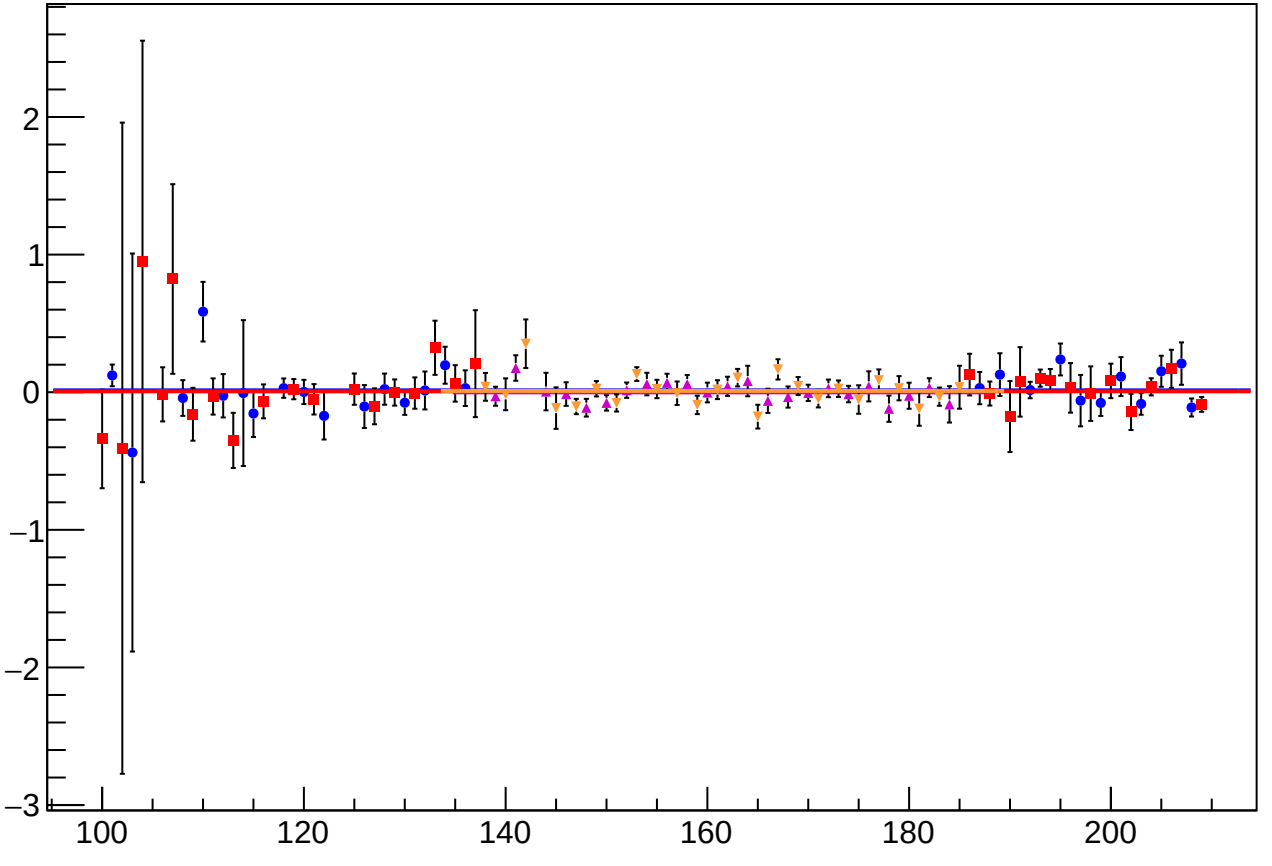
Right: 0.001+/-0.000 χ^2/NDF: 17280848.1/57

In: 0.001+/-0.000 χ^2/NDF:18270850.4/49

Out: 0.001+/-0.000 χ^2/NDF:22491130.6/54

All: 0.001+/-0.000 χ^2/NDF: 41262378.2/104

asym_atl1_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.013+/-0.021 χ^2/NDF: 29.1/26

Left Out: 0.009+/-0.015 χ^2/NDF:34.7/23

Right Out: 0.007+/-0.021 χ^2/NDF: 22.2/30

Left In: -0.001+/-0.015 χ^2/NDF:15.6/22

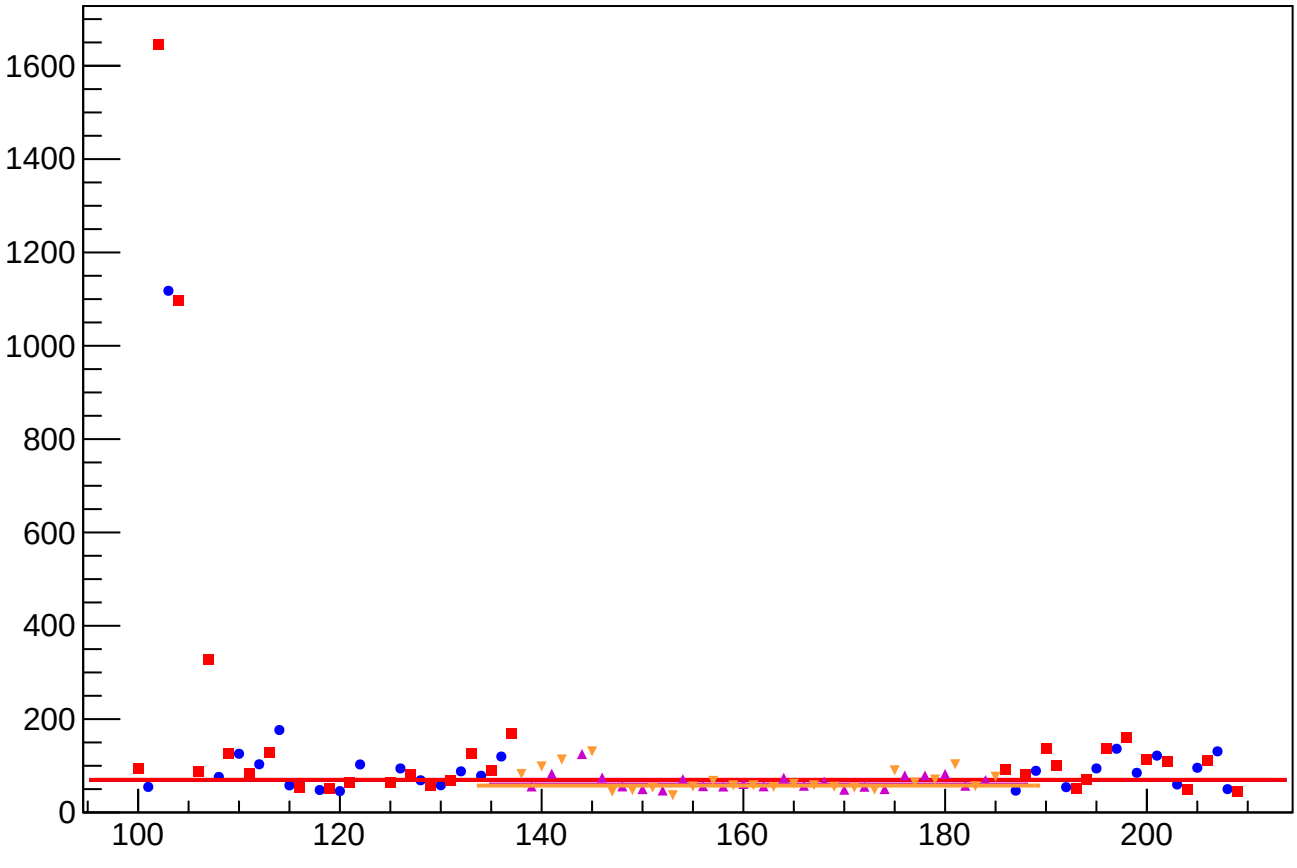
Left: 0.004+/-0.011 χ^2/NDF: 50.5/46

Right: 0.010+/-0.015 χ^2/NDF: 51.3/57

In: 0.004+/-0.012 χ^2/NDF:44.9/49

Out: 0.008+/-0.012 χ^2/NDF:56.9/54

All: 0.006+/-0.009 χ^2/NDF: 101.9/104



Right In: 69.665+/-0.015 χ^2/NDF: 3826986.2/26

Left Out: 57.606+/-0.011 χ^2/NDF:2213216.3/23

Right Out: 69.826+/-0.015 χ^2/NDF: 5299727.2/30

Left In: 59.828+/-0.011 χ^2/NDF:1340684.6/22

Left: 58.689+/-0.008 χ^2/NDF: 3574984.0/46

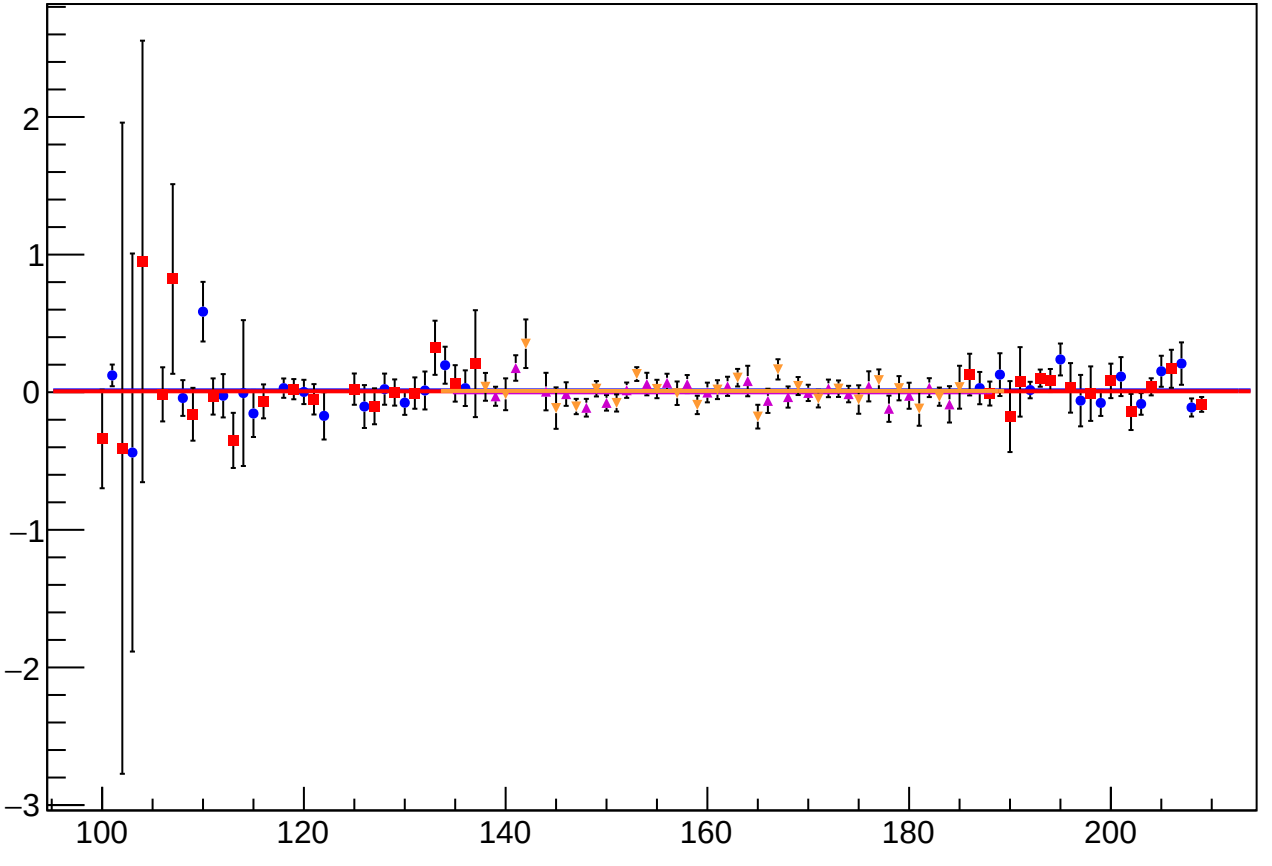
Right: 69.747+/-0.010 χ^2/NDF: 9126772.7/57

In: 63.300+/-0.009 χ^2/NDF:5452277.5/49

Out: 61.850+/-0.009 χ^2/NDF:7967426.1/54

All: 62.560+/-0.006 χ^2/NDF: 13433524.7/104

asym_atl1_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.013+/-0.021 χ^2/NDF: 29.1/26

Left Out: 0.009+/-0.015 χ^2/NDF:34.7/23

Right Out: 0.007+/-0.021 χ^2/NDF: 22.2/30

Left In: -0.001+/-0.015 χ^2/NDF:15.6/22

Left: 0.004+/-0.011 χ^2/NDF: 50.5/46

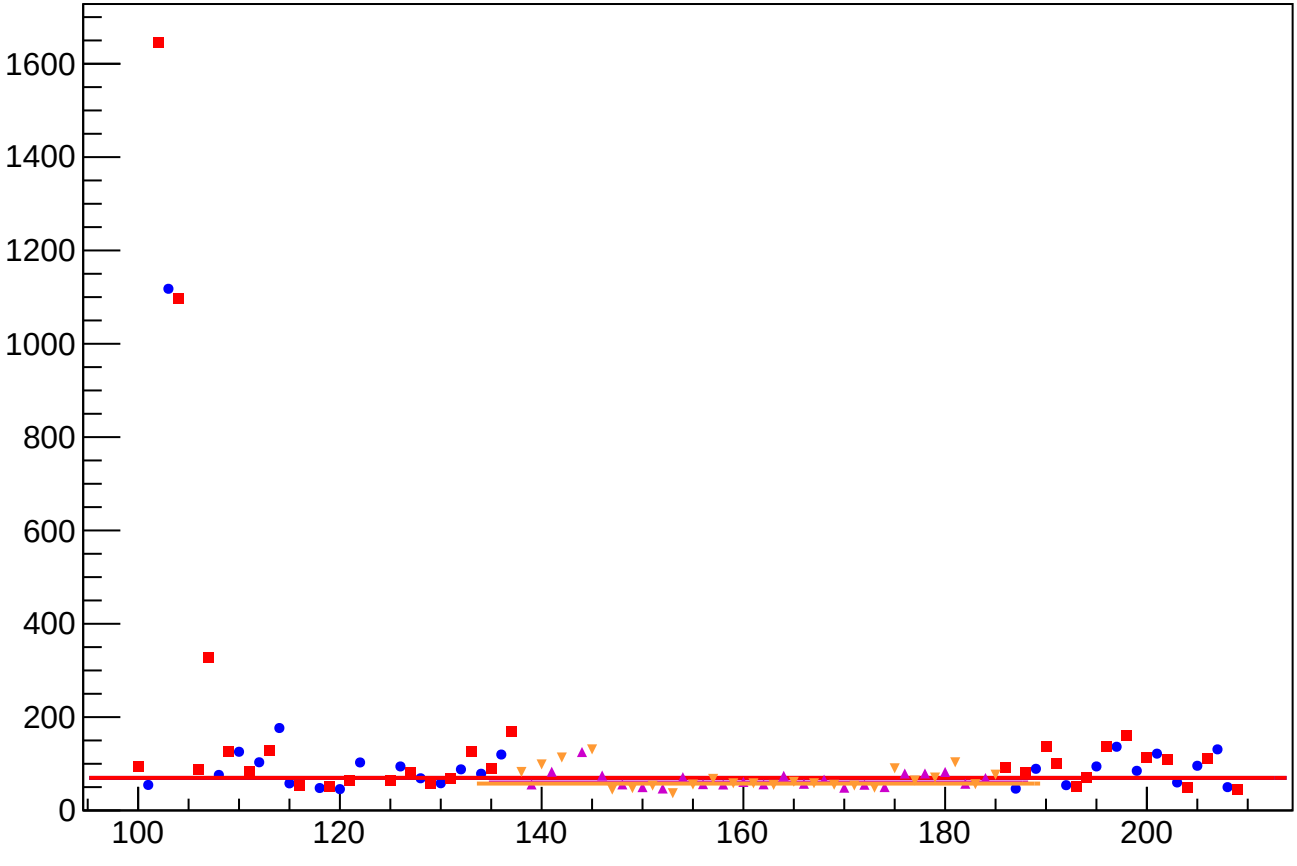
Right: 0.010+/-0.015 χ^2/NDF: 51.3/57

In: 0.004+/-0.012 χ^2/NDF:44.9/49

Out: 0.008+/-0.012 χ^2/NDF:56.9/54

All: 0.006+/-0.009 χ^2/NDF: 101.9/104

asym_atl1_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 69.665+/-0.015 χ^2/NDF: 3826986.2/26

Left Out: 57.606+/-0.011 χ^2/NDF:2213216.3/23

Right Out: 69.826+/-0.015 χ^2/NDF: 5299727.2/30

Left In: 59.828+/-0.011 χ^2/NDF:1340684.6/22

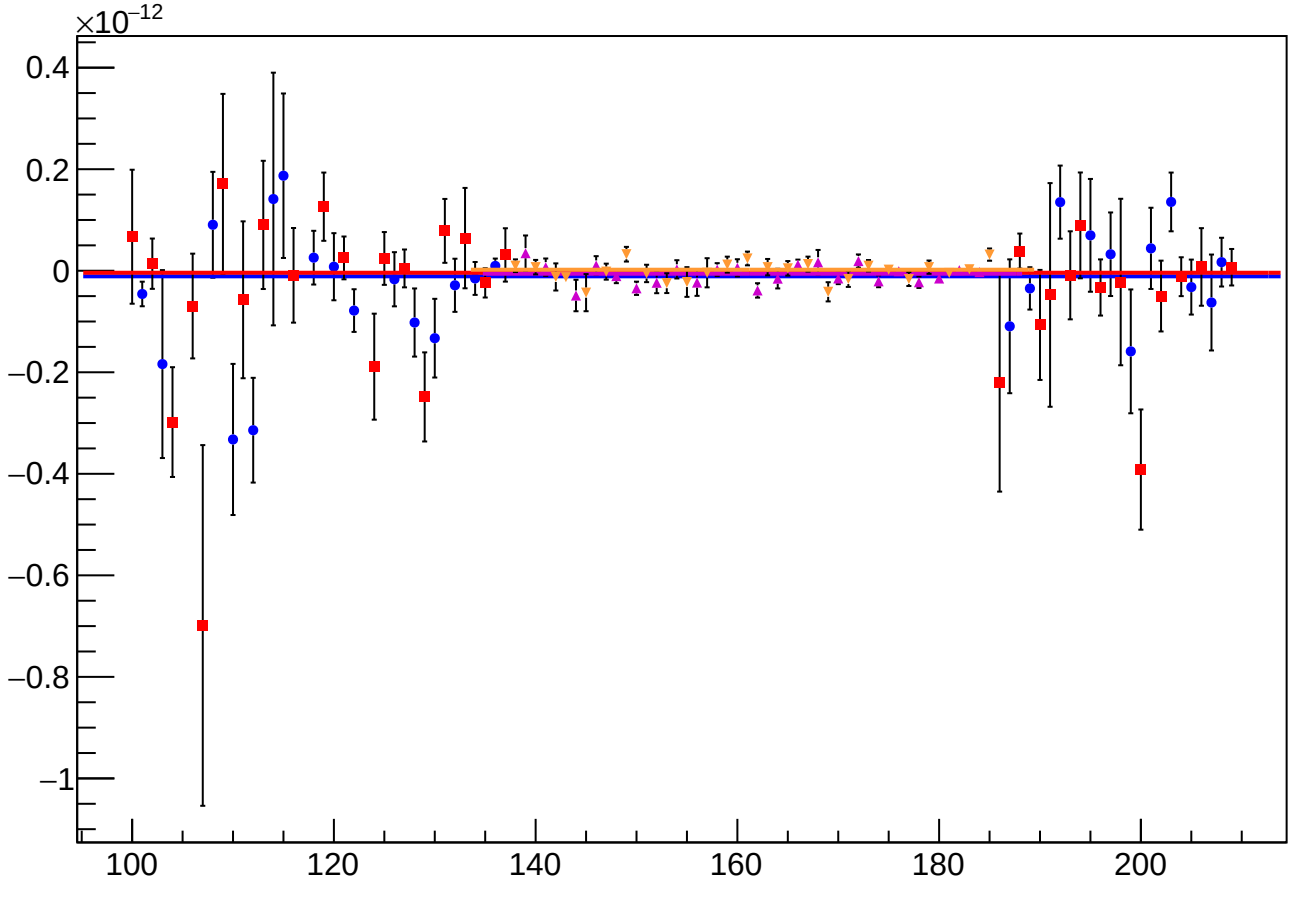
Left: 58.689+/-0.008 χ^2/NDF: 3574984.0/46

Right: 69.747+/-0.010 χ^2/NDF: 9126772.7/57

In: 63.300+/-0.009 χ^2/NDF:5452277.5/49

Out: 61.850+/-0.009 χ^2/NDF:7967426.1/54

All: 62.560+/-0.006 χ^2/NDF: 13433524.7/104



Right In: -0.000+/-0.000 χ^2/NDF: 43.6/26

Left Out: 0.000+/-0.000 χ^2/NDF:31.9/24

Right Out: -0.000+/-0.000 χ^2/NDF: 48.2/31

Left In: -0.000+/-0.000 χ^2/NDF:32.6/22

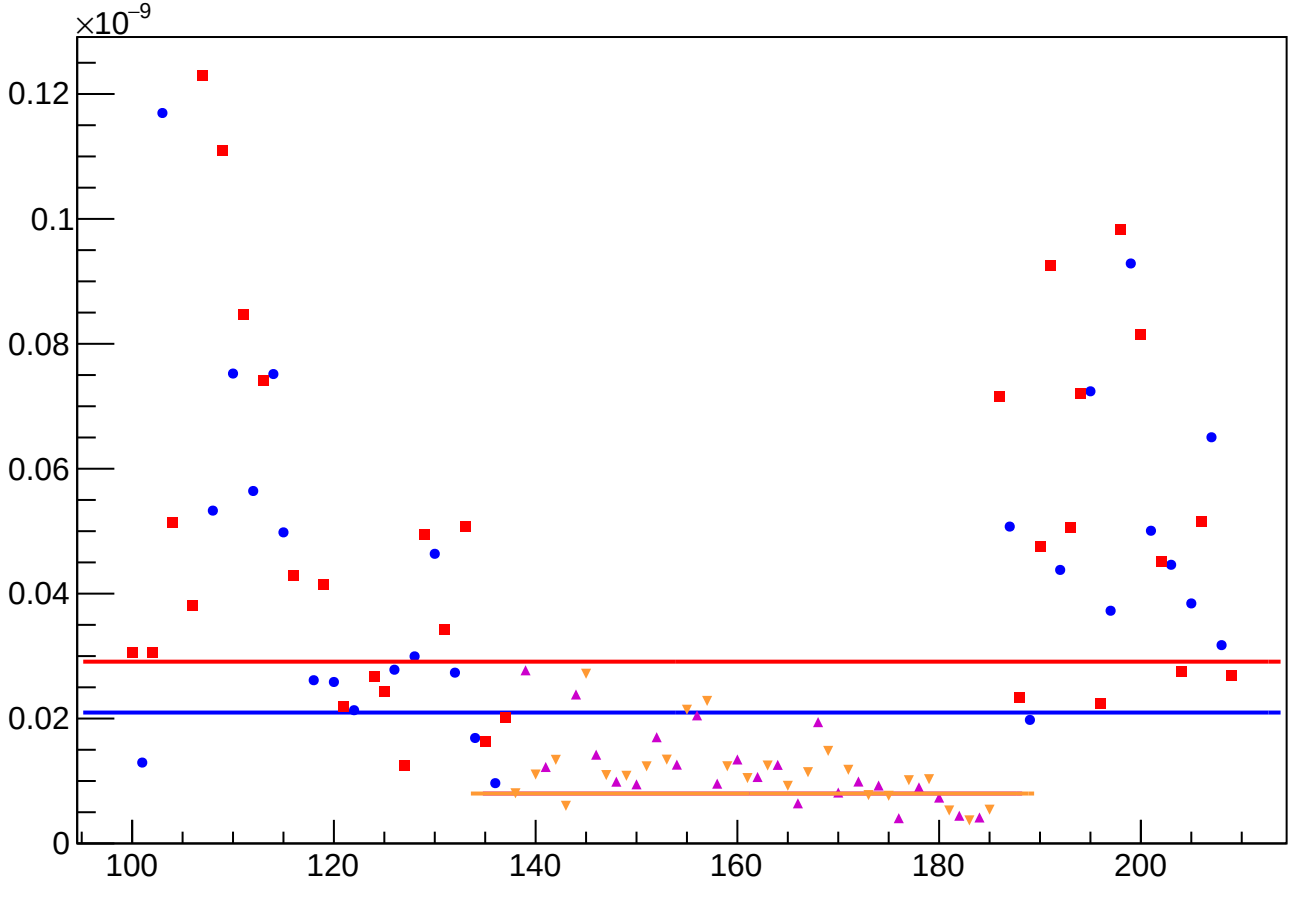
Left: -0.000+/-0.000 χ^2/NDF: 69.4/47

Right: -0.000+/-0.000 χ^2/NDF: 92.0/58

In: -0.000+/-0.000 χ^2/NDF:76.5/49

Out: 0.000+/-0.000 χ^2/NDF:80.4/56

All: -0.000+/-0.000 χ^2/NDF: 162.3/106



Right In: 0.000+/-0.000 χ^2/NDF: 6061133.8/26

Left Out: 0.000+/-0.000 χ^2/NDF:4887759.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 4315975.8/31

Left In: 0.000+/-0.000 χ^2/NDF:5188583.5/22

Left: 0.000+/-0.000 χ^2/NDF: 10076343.4/47

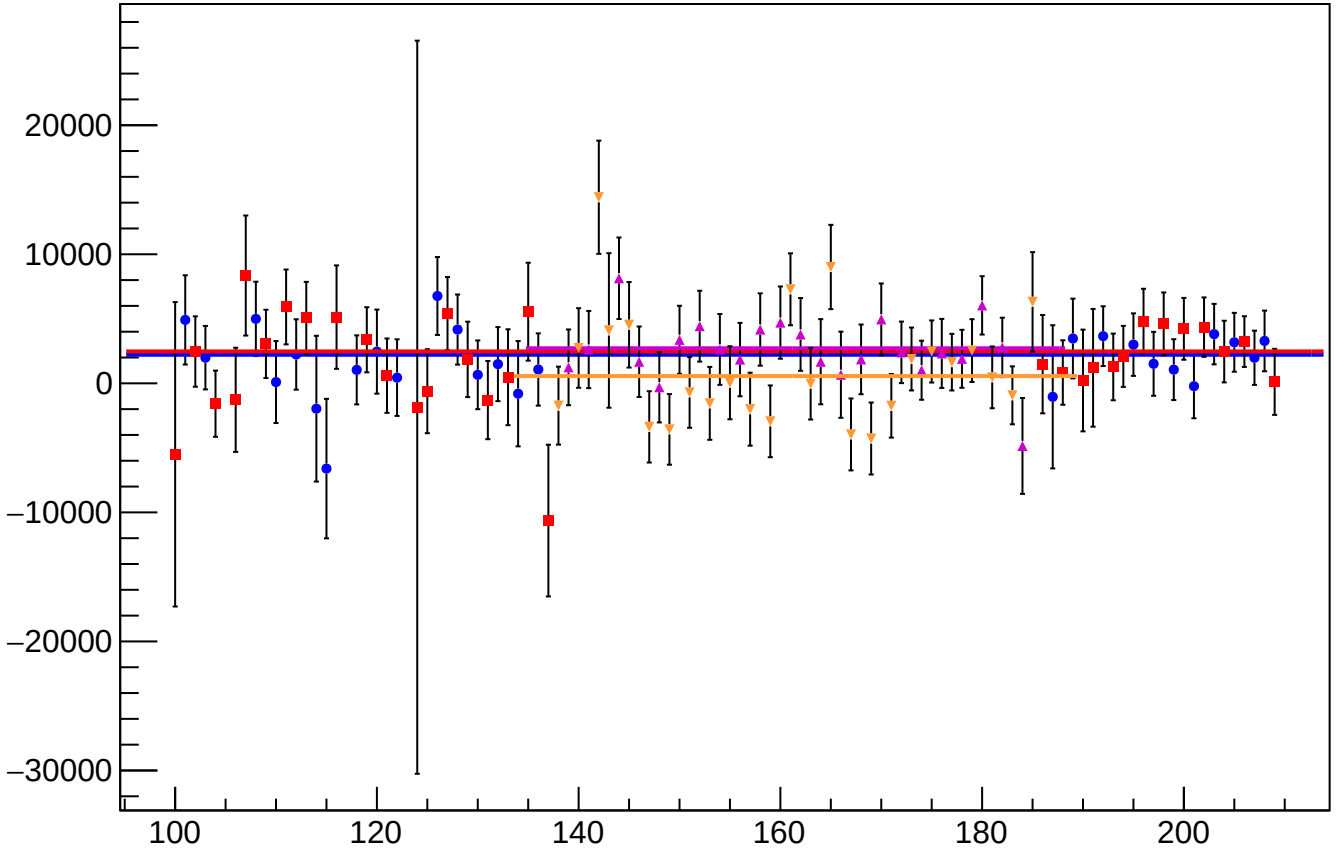
Right: 0.000+/-0.000 χ^2/NDF: 11042880.3/58

In: 0.000+/-0.000 χ^2/NDF:15136937.9/49

Out: 0.000+/-0.000 χ^2/NDF:16316316.6/56

All: 0.000+/-0.000 χ^2/NDF: 31453732.5/106

reg_asym_atl2_mean vs Slug, Sign Corrected



Right In: 2214.836+/-535.103 χ^2/NDF: 12.8/26

Left Out: 562.390+/-557.316 χ^2/NDF:43.9/24

Right Out: 2472.818+/-519.968 χ^2/NDF: 23.2/31

Left In: 2716.200+/-566.202 χ^2/NDF:14.3/22

Left: 1622.262+/-397.186 χ^2/NDF: 65.6/47

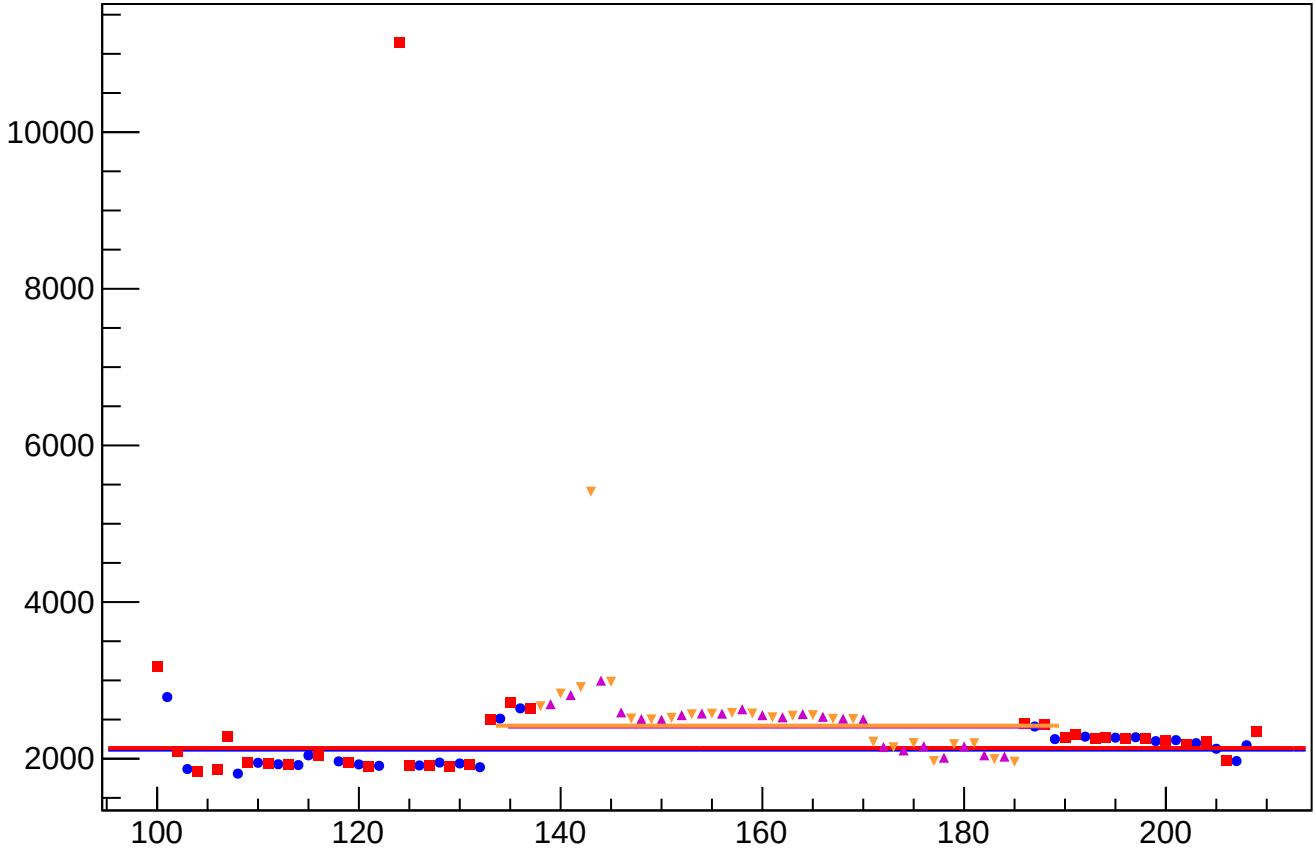
Right: 2347.527+/-372.909 χ^2/NDF: 36.2/58

In: 2451.371+/-388.904 χ^2/NDF:27.5/49

Out: 1583.758+/-380.191 χ^2/NDF:73.5/56

All: 2007.736+/-271.864 χ^2/NDF: 103.5/106

reg_asym_atl2_rms vs Slug, Sign Corrected



Right In: 2115.930+/-0.378 χ^2/NDF: 344007.3/26

Left Out: 2422.152+/-0.394 χ^2/NDF:952857.9/24

Right Out: 2136.254+/-0.368 χ^2/NDF: 539413.5/31

Left In: 2409.820+/-0.400 χ^2/NDF:428364.2/22

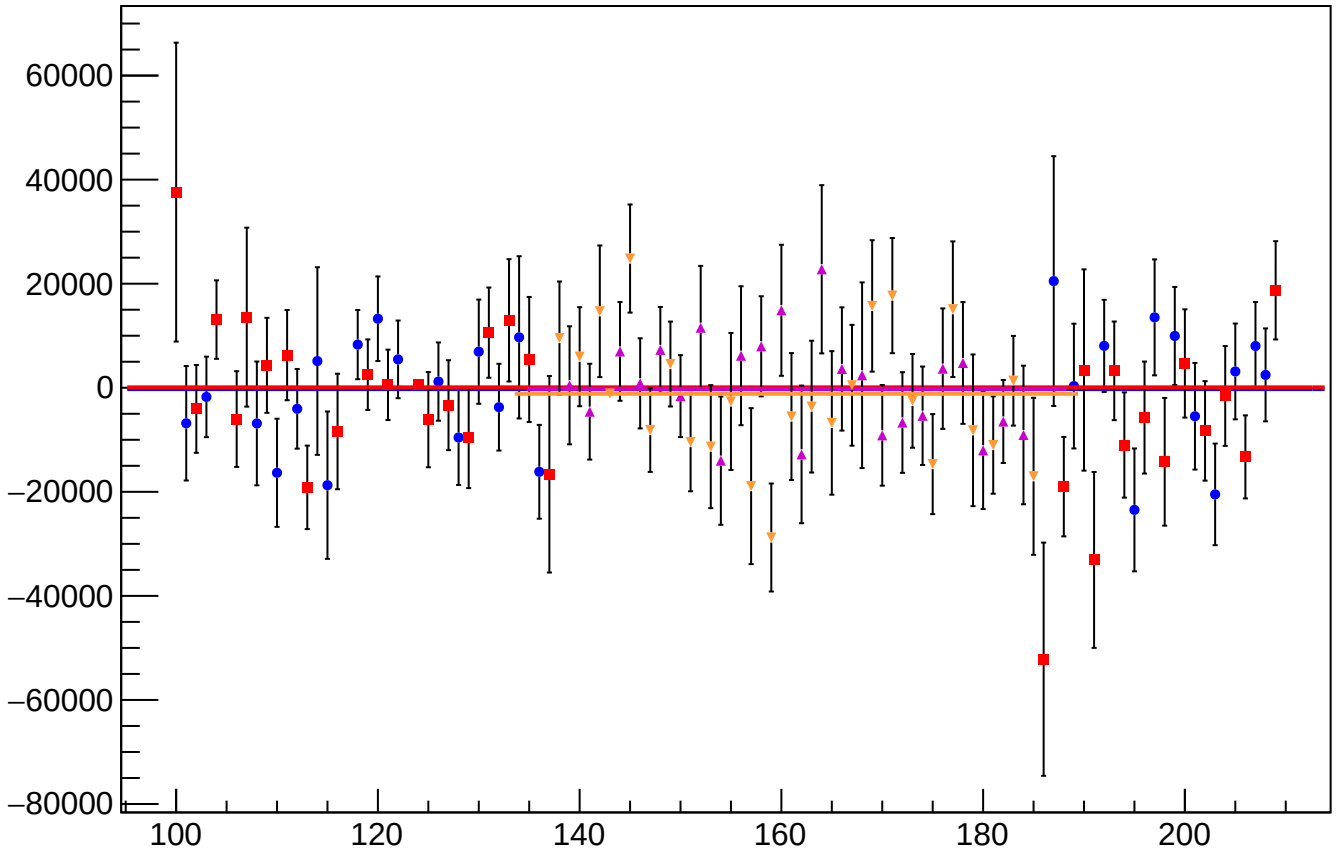
Left: 2416.083+/-0.281 χ^2/NDF: 1381704.0/47

Right: 2126.384+/-0.264 χ^2/NDF: 884904.8/58

In: 2254.582+/-0.275 χ^2/NDF:1056993.6/49

Out: 2269.303+/-0.269 χ^2/NDF:1773654.4/56

All: 2262.109+/-0.192 χ^2/NDF: 2832113.3/10



Right In: -254.859+/-1829.010 χ^2/NDF: 29.4/26

Left Out: -1158.214+/-757.797 χ^2/NDF:31.9/24

Right Out: 80.183+/-743.820 χ^2/NDF: 42.7/31

Left In: -209.655+/-2195.058 χ^2/NDF:13.4/22

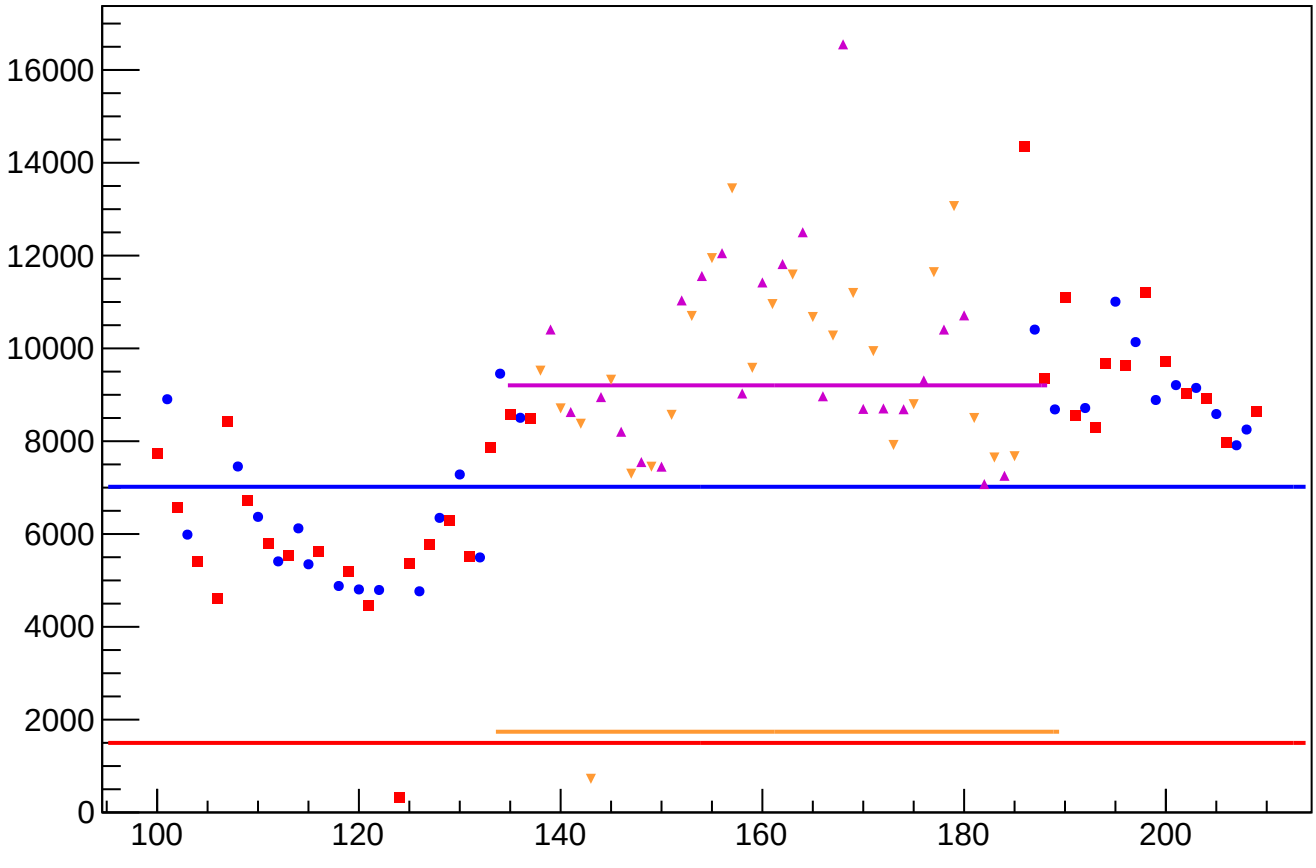
Left: -1057.201+/-716.312 χ^2/NDF: 45.5/47

Right: 32.635+/-689.021 χ^2/NDF: 72.1/58

In: -236.335+/-1405.149 χ^2/NDF:42.8/49

Out: -527.489+/-530.833 χ^2/NDF:76.0/56

All: -491.127+/-496.579 χ^2/NDF: 118.8/106



Right In: 7018.064+/-1.293 χ^2/NDF: 2040797.8/26

Left Out: 1739.692+/-0.536 χ^2/NDF:27734045.9/24

Right Out: 1498.736+/-0.526 χ^2/NDF: 26046150.3/31

Left In: 9203.758+/-1.552 χ^2/NDF:1272066.5/22

Left: 2534.547+/-0.507 χ^2/NDF: 49668848.5/47

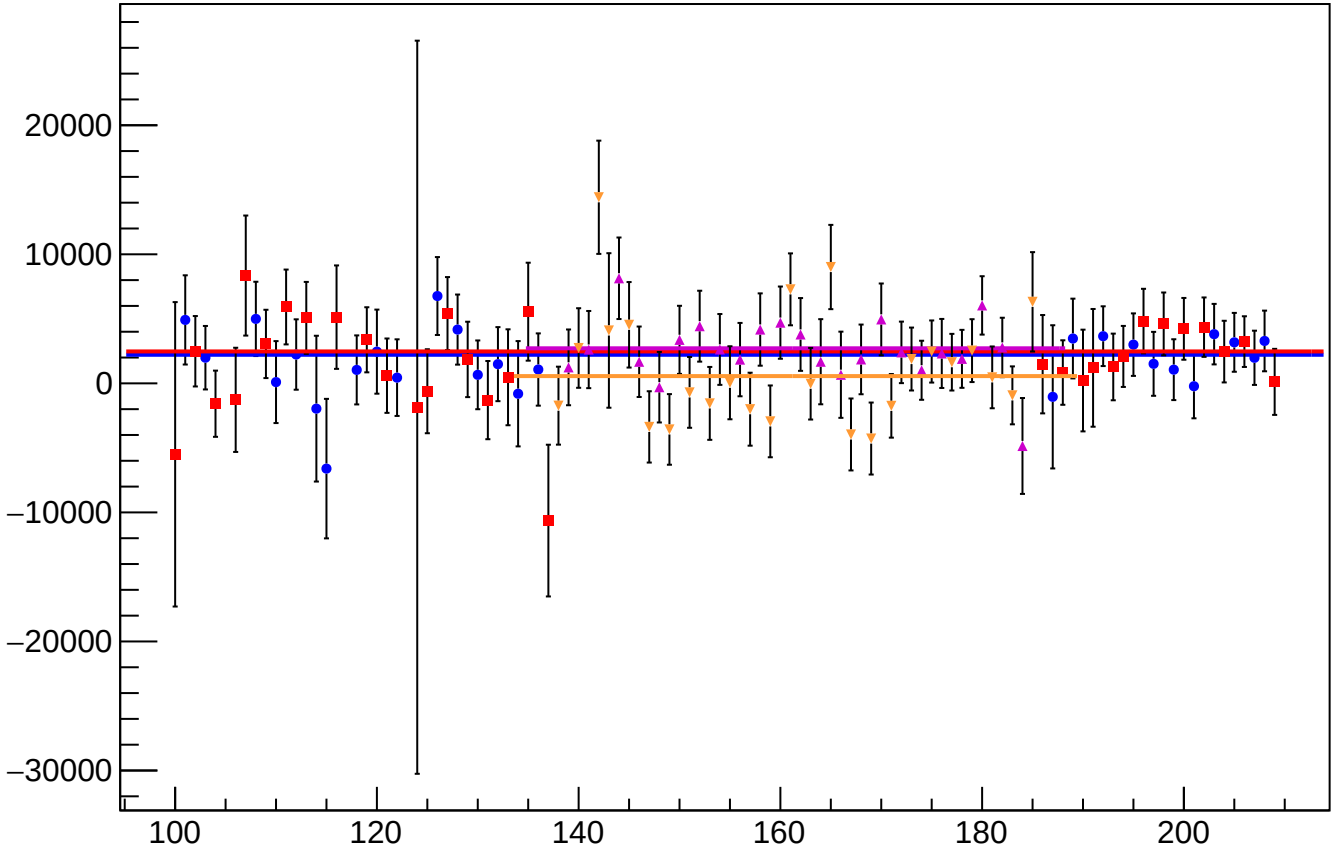
Right: 2282.020+/-0.487 χ^2/NDF: 43714817.7/58

In: 7913.722+/-0.994 χ^2/NDF:4483250.6/49

Out: 1616.971+/-0.375 χ^2/NDF:53883182.7/56

All: 2403.381+/-0.351 χ^2/NDF: 93512774.9/1

cor_asym_atl2_mean vs Slug, Sign Corrected



Right In: 2214.819+/-535.103 χ^2/NDF: 12.8/26

Left Out: 562.392+/-557.316 χ^2/NDF:43.9/24

Right Out: 2473.678+/-519.970 χ^2/NDF: 23.2/31

Left In: 2716.163+/-566.202 χ^2/NDF:14.3/22

Left: 1622.245+/-397.186 χ^2/NDF: 65.6/47

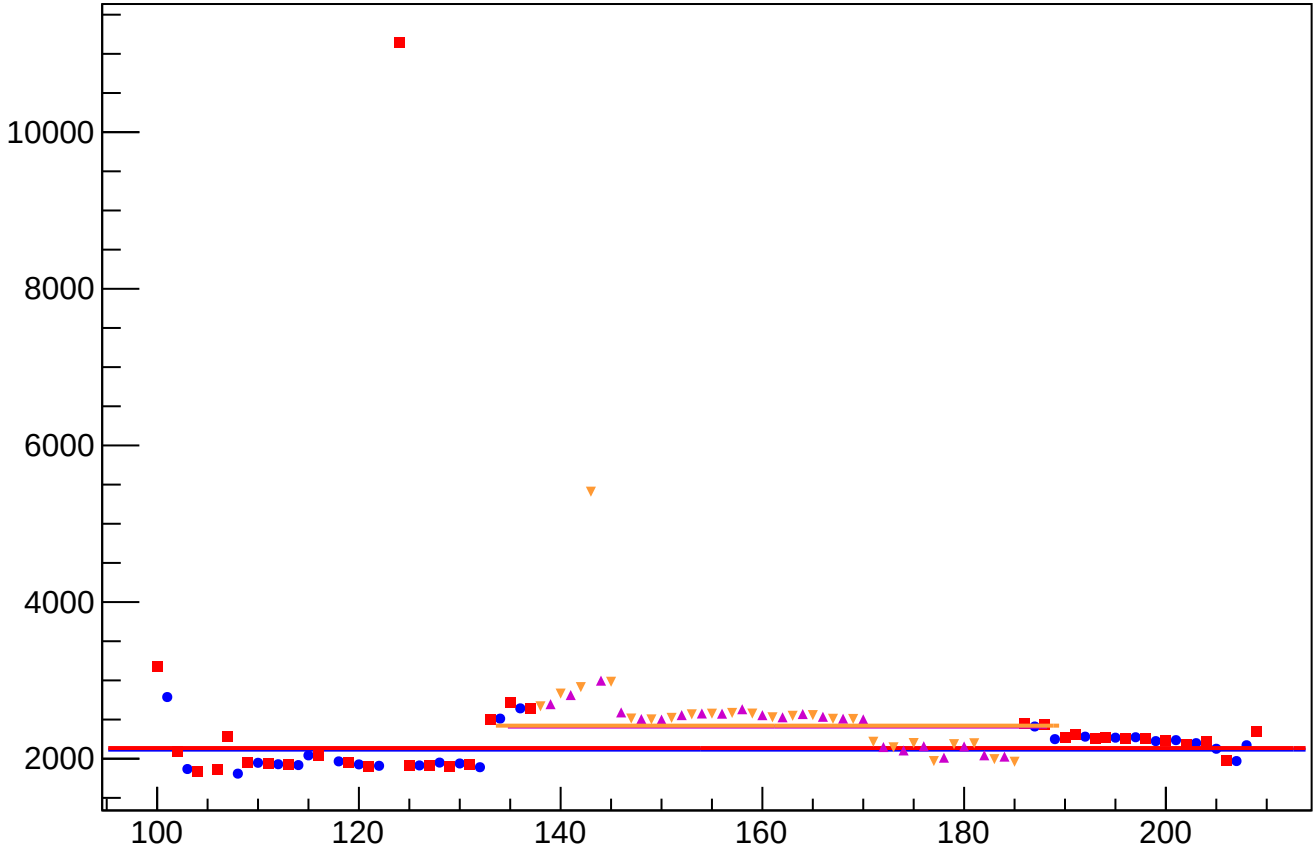
Right: 2347.961+/-372.909 χ^2/NDF: 36.2/58

In: 2451.345+/-388.904 χ^2/NDF:27.5/49

Out: 1584.214+/-380.192 χ^2/NDF:73.5/56

All: 2007.958+/-271.864 χ^2/NDF: 103.5/106

cor_asym_atl2_rms vs Slug, Sign Corrected



Right In: 2115.930+/-0.378 χ^2/NDF: 344007.2/26

Left Out: 2422.152+/-0.394 χ^2/NDF:952857.9/24

Right Out: 2136.266+/-0.368 χ^2/NDF: 539407.0/31

Left In: 2409.820+/-0.400 χ^2/NDF:428364.2/22

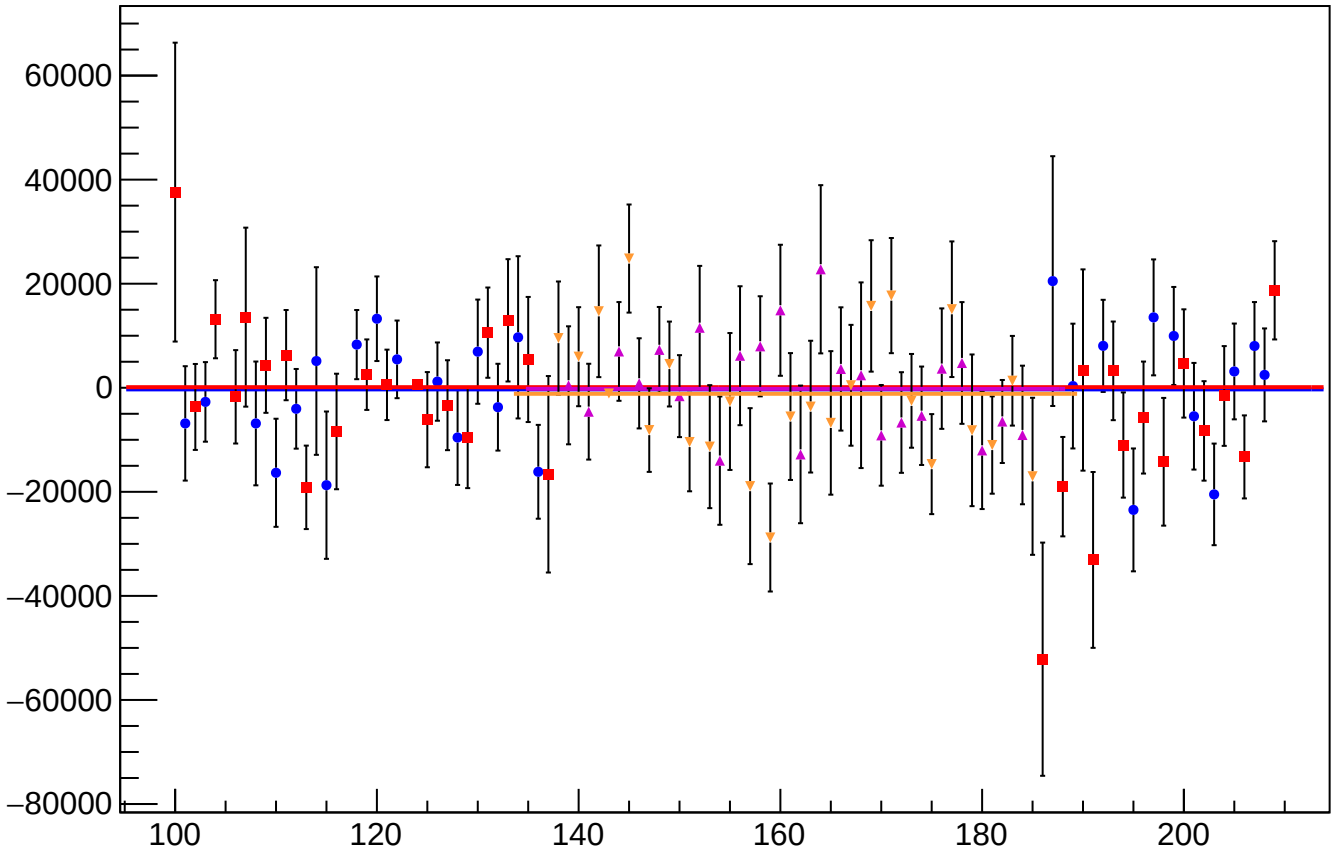
Left: 2416.083+/-0.281 χ^2/NDF: 1381703.9/47

Right: 2126.389+/-0.264 χ^2/NDF: 884899.9/58

In: 2254.582+/-0.275 χ^2/NDF:1056993.7/49

Out: 2269.310+/-0.269 χ^2/NDF:1773624.5/56

All: 2262.113+/-0.192 χ^2/NDF: 2832084.8/10



Right In: -312.193+/-1827.793 χ^2/NDF: 29.4/26

Left Out: -1157.974+/-757.732 χ^2/NDF:31.9/24

Right Out: 111.754+/-743.512 χ^2/NDF: 42.4/31

Left In: -209.500+/-2195.055 χ^2/NDF:13.4/22

Left: -1056.985+/-716.258 χ^2/NDF: 45.5/47

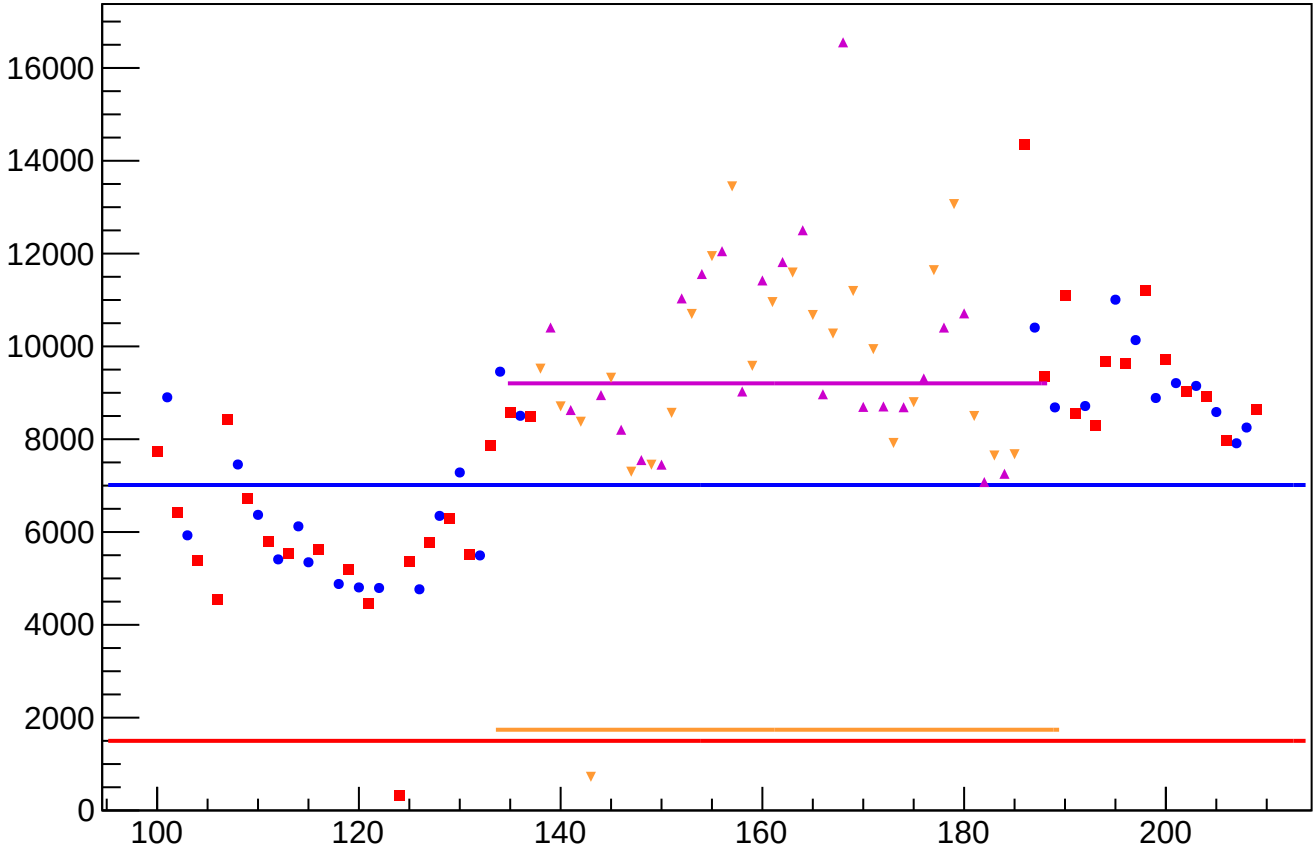
Right: 51.563+/-688.711 χ^2/NDF: 71.8/58

In: -270.145+/-1404.596 χ^2/NDF:42.8/49

Out: -511.084+/-530.699 χ^2/NDF:75.7/56

All: -480.985+/-496.445 χ^2/NDF: 118.6/106

asym_atl2_cor_correction_rms vs Slug, Sign Corrected



Right In: 7013.327+/-1.292 χ^2/NDF: 2045772.5/26

Left Out: 1739.457+/-0.536 χ^2/NDF:27735092.1/24

Right Out: 1499.929+/-0.526 χ^2/NDF: 26037066.6/31

Left In: 9203.744+/-1.552 χ^2/NDF:1272079.0/22

Left: 2534.217+/-0.506 χ^2/NDF: 49671551.4/47

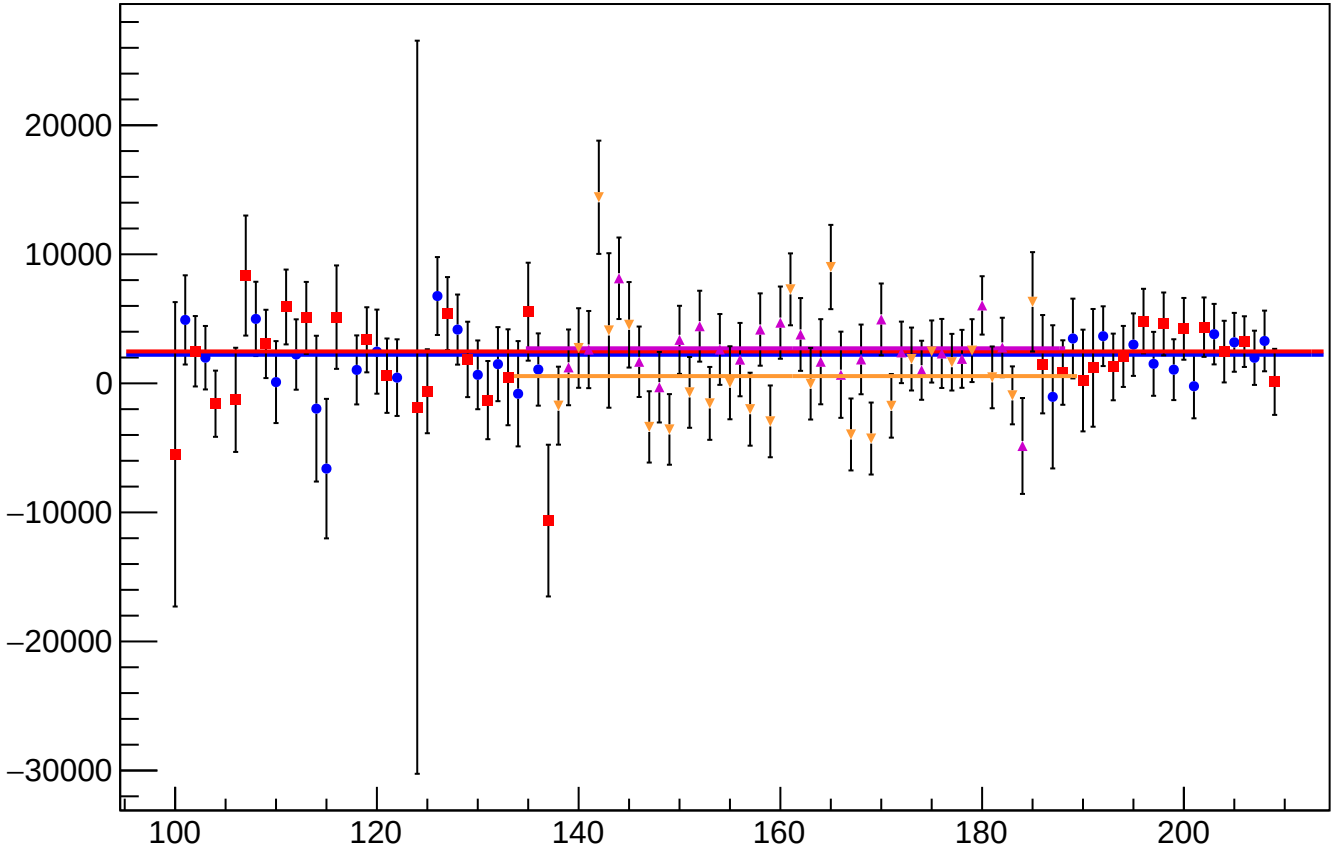
Right: 2282.709+/-0.487 χ^2/NDF: 43696807.4/58

In: 7910.216+/-0.993 χ^2/NDF:4493944.4/49

Out: 1617.424+/-0.375 χ^2/NDF:53873978.8/56

All: 2403.534+/-0.351 χ^2/NDF: 93496492.7/1

eigen_cor_asym_atl2_mean vs Slug, Sign Corrected



Right In: 2214.819+/-535.103 χ^2/NDF: 12.8/26

Left Out: 562.392+/-557.316 χ^2/NDF:43.9/24

Right Out: 2473.678+/-519.970 χ^2/NDF: 23.2/31

Left In: 2716.163+/-566.202 χ^2/NDF:14.3/22

Left: 1622.245+/-397.186 χ^2/NDF: 65.6/47

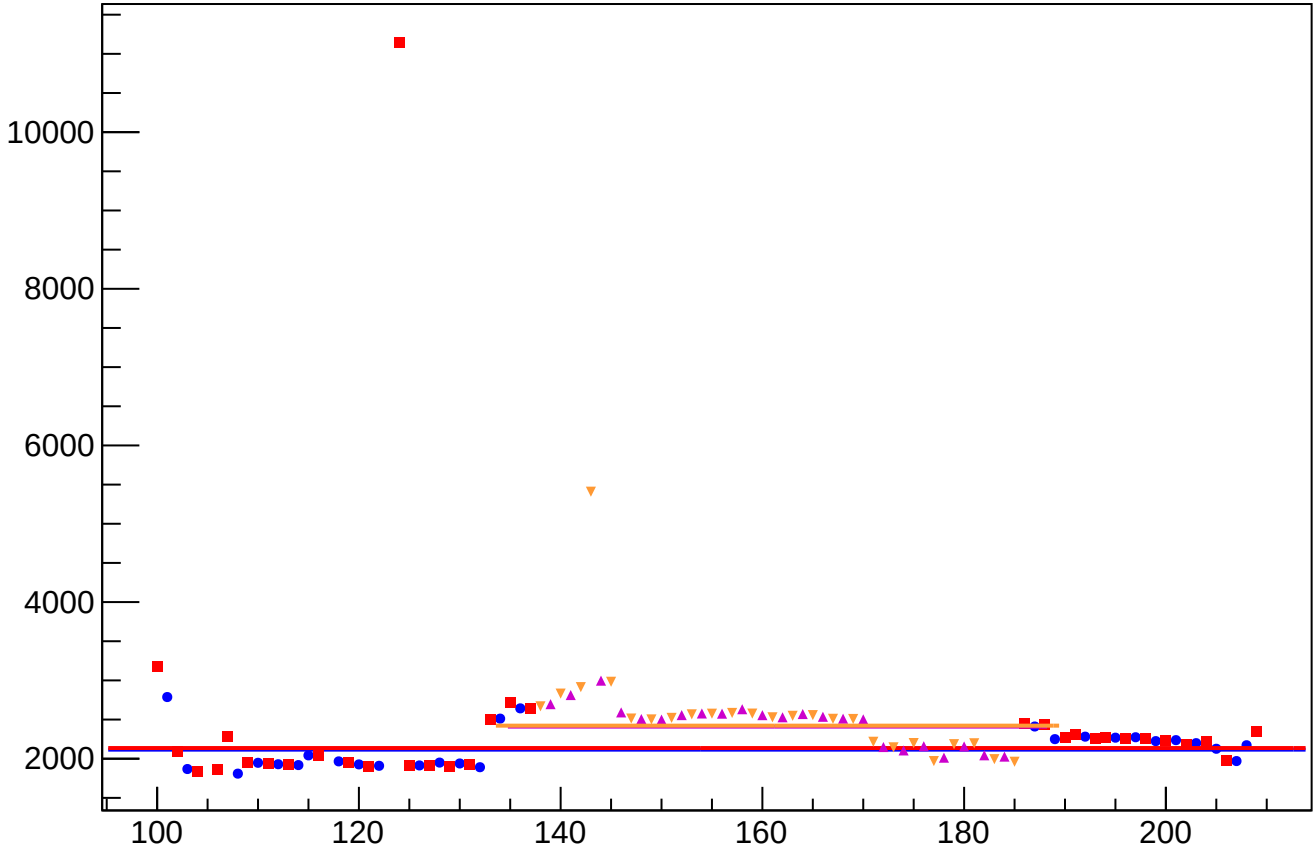
Right: 2347.961+/-372.909 χ^2/NDF: 36.2/58

In: 2451.345+/-388.904 χ^2/NDF:27.5/49

Out: 1584.214+/-380.192 χ^2/NDF:73.5/56

All: 2007.958+/-271.864 χ^2/NDF: 103.5/106

eigen_cor_asym_atl2_rms vs Slug, Sign Corrected



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Left Out: 2422.152+/-0.394 χ^2/NDF:952857.9/24

Right Out: 2136.266+/-0.368 χ^2/NDF: 539407.0/31

Left In: 2409.820+/-0.400 χ^2/NDF:428364.2/22

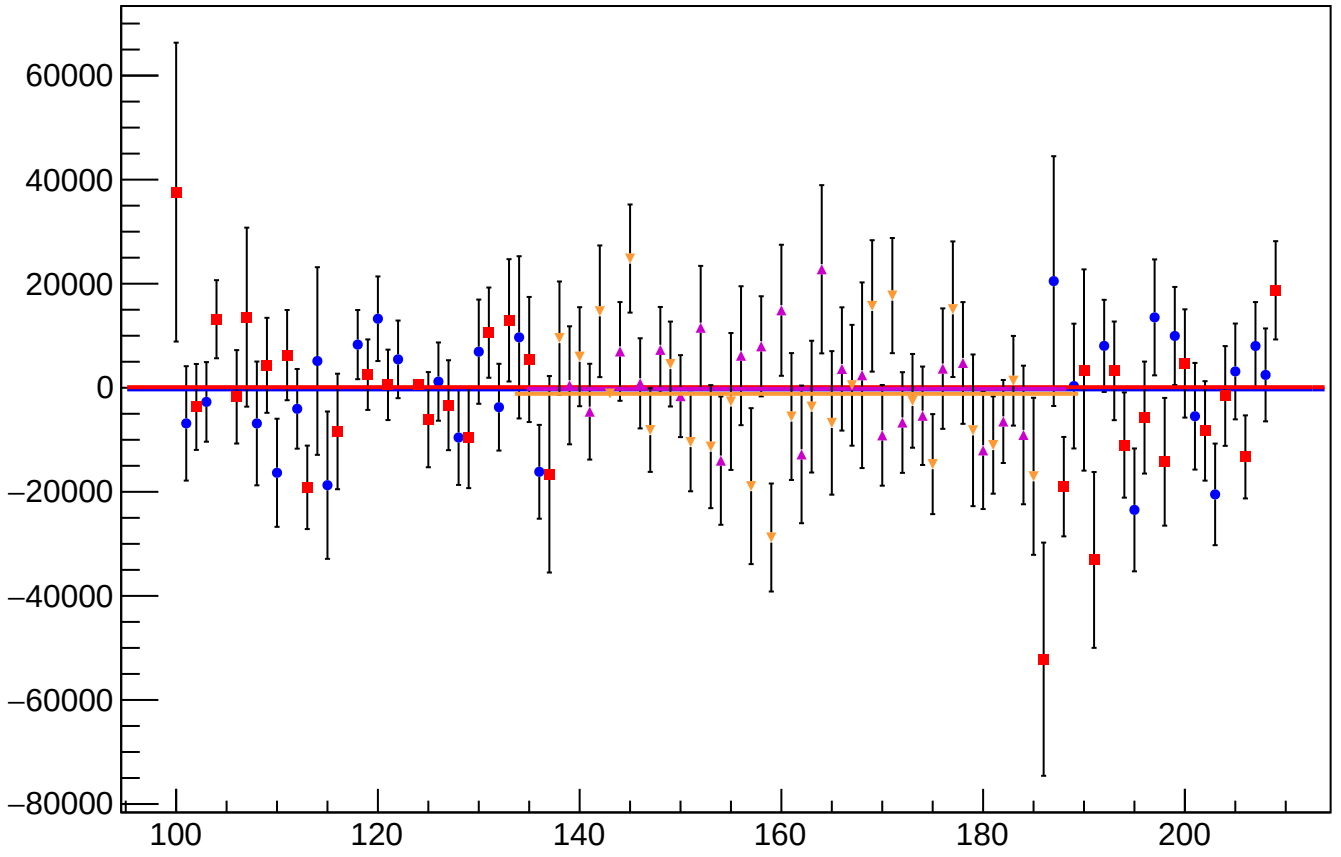
Left: 2416.083+/-0.281 χ^2/NDF: 1381703.9/47

Right: 2126.389+/-0.264 χ^2/NDF: 884899.9/58

In: 2254.582+/-0.275 χ^2/NDF:1056993.7/49

Out: 2269.310+/-0.269 χ^2/NDF:1773624.5/56

All: 2262.113+/-0.192 χ^2/NDF: 2832084.8/10



Right In: -312.193+/-1827.793 χ^2/NDF: 29.4/26

Left Out: -1157.974+/-757.732 χ^2/NDF:31.9/24

Right Out: 111.754+/-743.512 χ^2/NDF: 42.4/31

Left In: -209.500+/-2195.055 χ^2/NDF:13.4/22

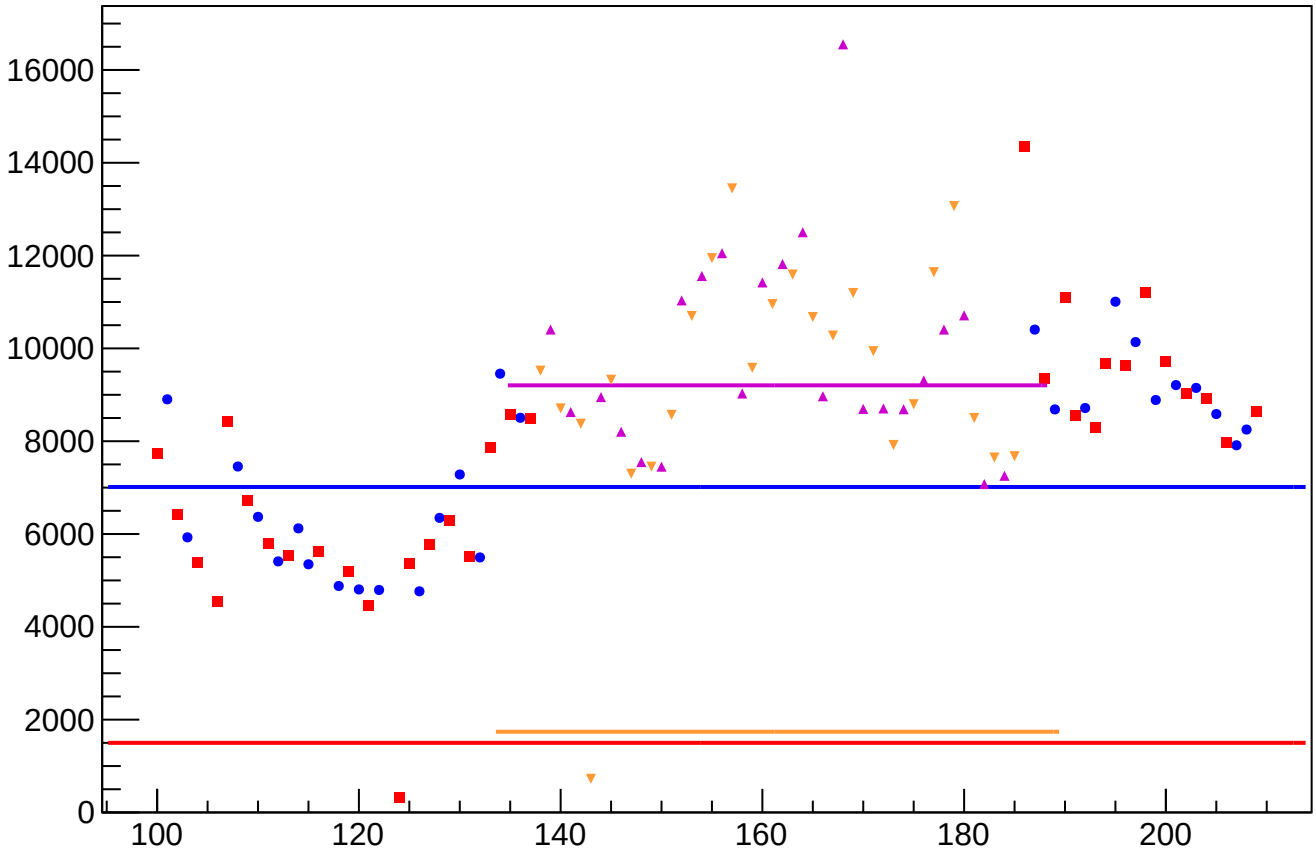
Left: -1056.985+/-716.258 χ^2/NDF: 45.5/47

Right: 51.563+/-688.711 χ^2/NDF: 71.8/58

In: -270.145+/-1404.596 χ^2/NDF:42.8/49

Out: -511.084+/-530.699 χ^2/NDF:75.7/56

All: -480.985+/-496.445 χ^2/NDF: 118.6/106



Right In: 7013.327+/-1.292 χ^2/NDF: 2045772.5/26

Left Out: 1739.457+/-0.536 χ^2/NDF:27735092.1/24

Right Out: 1499.929+/-0.526 χ^2/NDF: 26037066.6/31

Left In: 9203.744+/-1.552 χ^2/NDF:1272079.0/22

Left: 2534.217+/-0.506 χ^2/NDF: 49671551.4/47

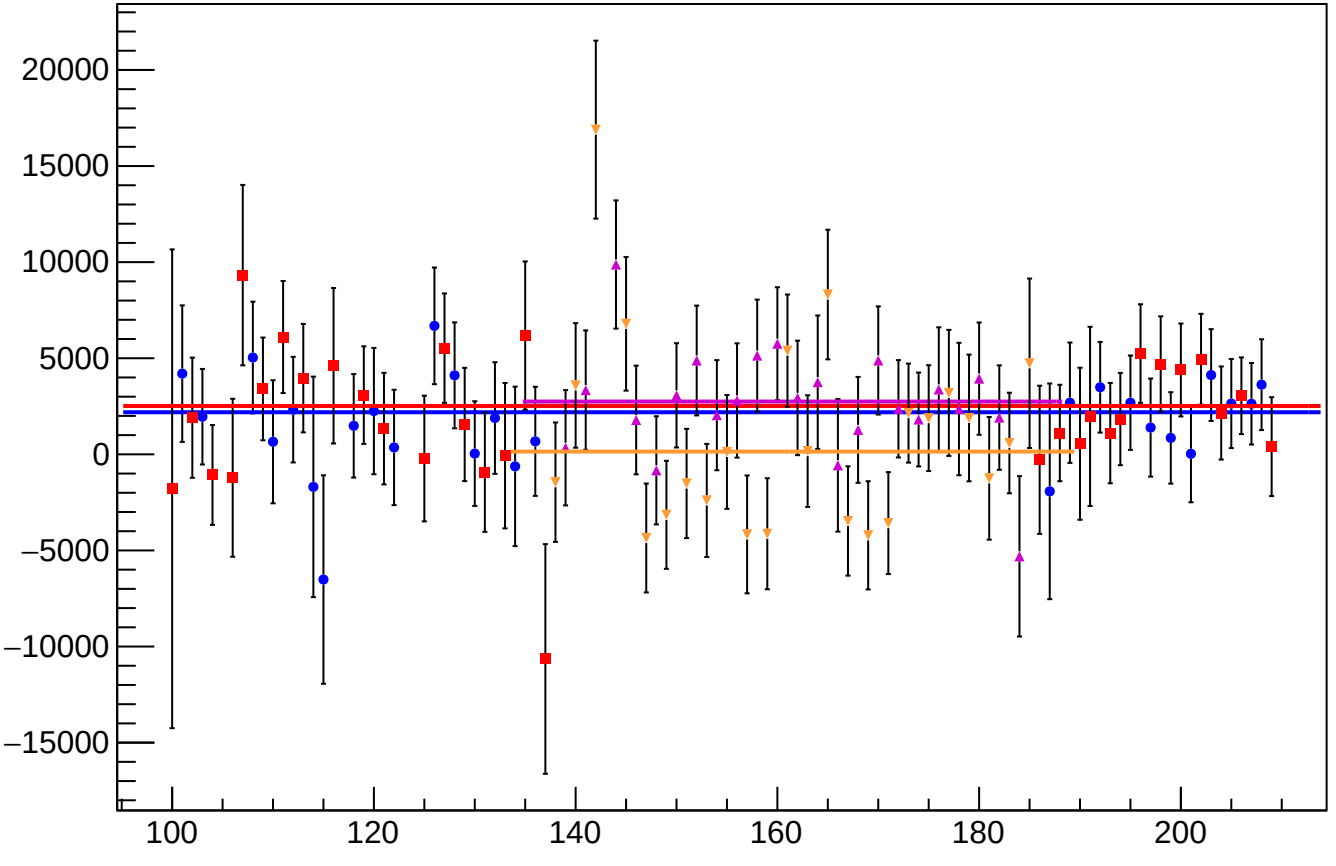
Right: 2282.709+/-0.487 χ^2/NDF: 43696807.4/58

In: 7910.216+/-0.993 χ^2/NDF:4493944.4/49

Out: 1617.424+/-0.375 χ^2/NDF:53873978.8/56

All: 2403.534+/-0.351 χ^2/NDF: 93496492.7/1

dit_asym_atl2_mean vs Slug, Sign Corrected



Right In: 2189.364+/-542.248 χ^2/NDF: 12.2/26

Left Out: 142.497+/-615.731 χ^2/NDF:45.8/23

Right Out: 2516.730+/-528.906 χ^2/NDF: 22.6/30

Left In: 2745.982+/-616.123 χ^2/NDF:15.4/22

Left: 1443.410+/-435.526 χ^2/NDF: 70.2/46

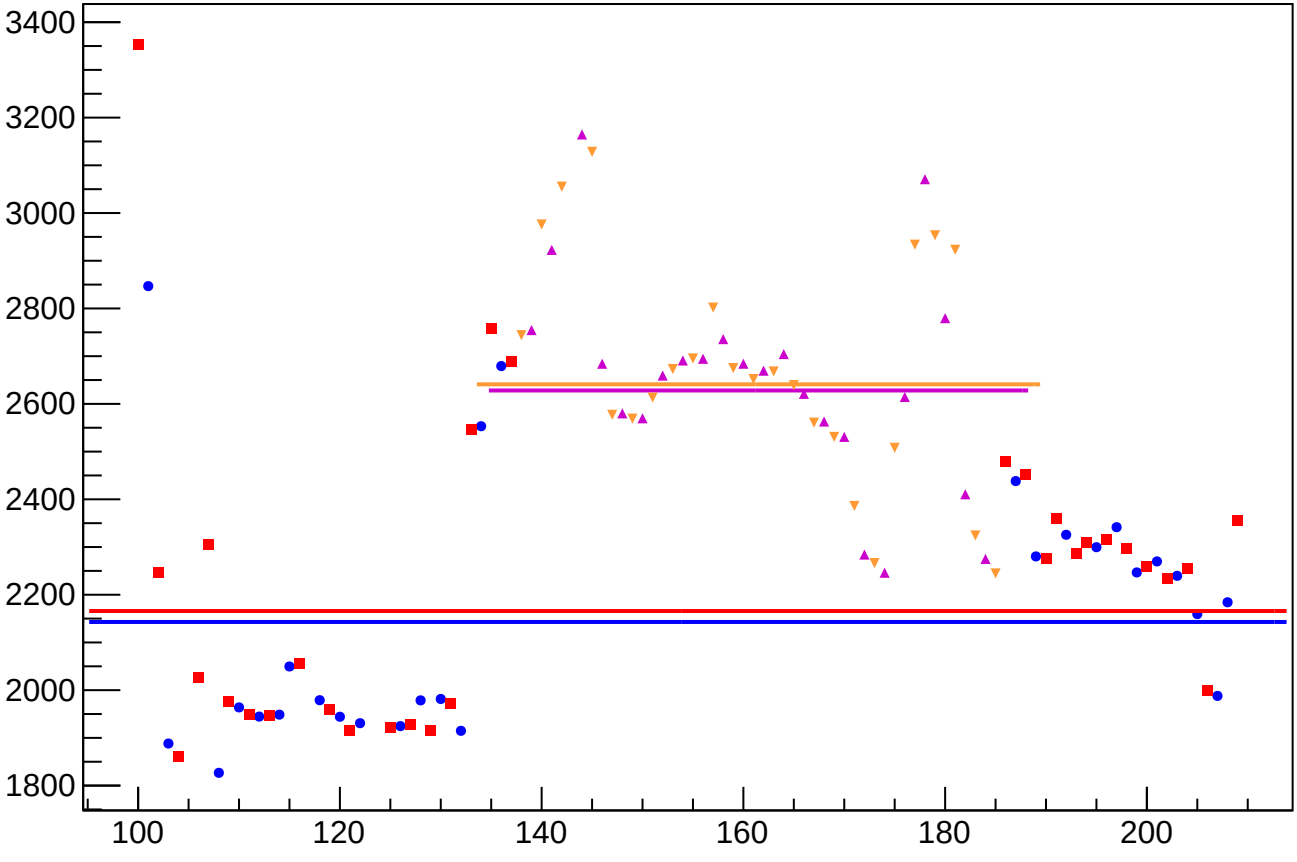
Right: 2357.124+/-378.622 χ^2/NDF: 35.0/57

In: 2432.318+/-407.053 χ^2/NDF:28.1/49

Out: 1508.677+/-401.209 χ^2/NDF:76.9/54

All: 1963.820+/-285.742 χ^2/NDF: 107.6/104

dit_asym_atl2_rms vs Slug, Sign Corrected



Right In: 2142.936+/-0.383 χ^2/NDF: 360453.1/26

Left Out: 2640.990+/-0.435 χ^2/NDF:253402.6/23

Right Out: 2165.934+/-0.374 χ^2/NDF: 344385.4/30

Left In: 2628.113+/-0.436 χ^2/NDF:237507.6/22

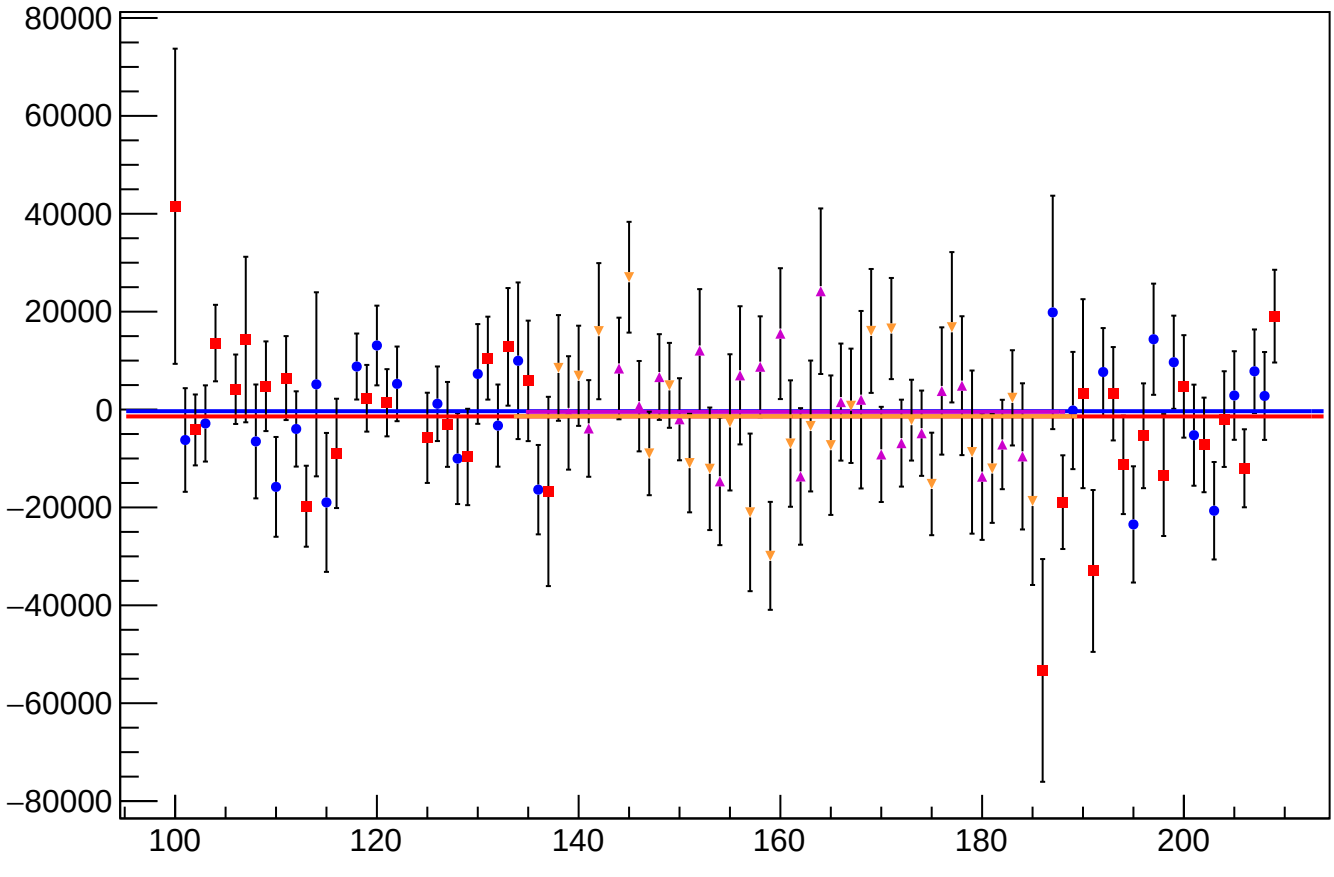
Left: 2634.556+/-0.308 χ^2/NDF: 491347.2/46

Right: 2154.730+/-0.268 χ^2/NDF: 706683.5/57

In: 2354.708+/-0.288 χ^2/NDF:1296841.3/49

Out: 2367.469+/-0.284 χ^2/NDF:1283251.7/54

All: 2361.183+/-0.202 χ^2/NDF: 2581090.4/10



Right In: -335.857+/-1842.049 χ^2/NDF: 29.1/26

Left Out: -1366.840+/-2326.289 χ^2/NDF:31.3/23

Right Out: -1408.814+/-1744.588 χ^2/NDF: 41.2/30

Left In: -463.775+/-2314.478 χ^2/NDF:13.1/22

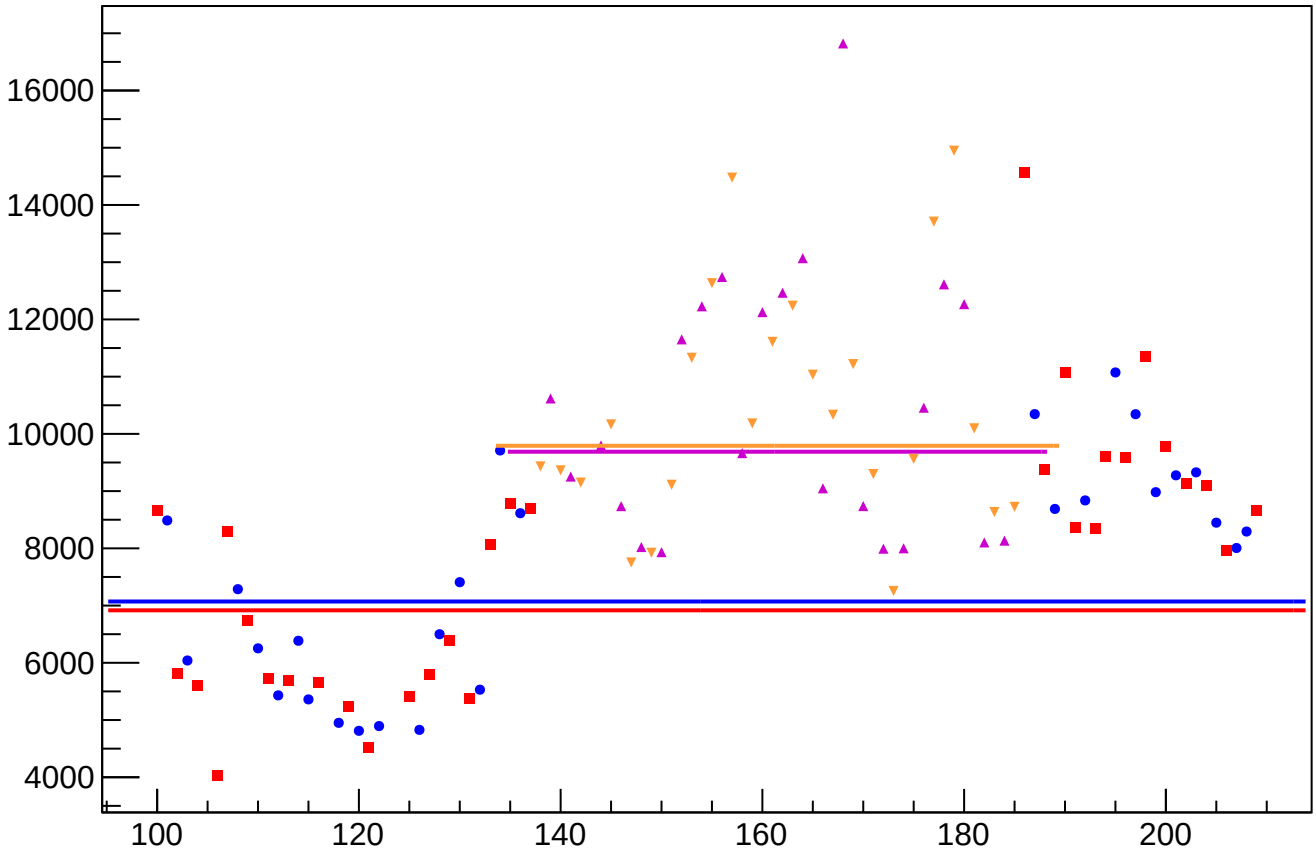
Left: -913.009+/-1640.743 χ^2/NDF: 44.4/46

Right: -901.470+/-1266.664 χ^2/NDF: 70.4/57

In: -385.463+/-1441.290 χ^2/NDF:42.1/49

Out: -1393.705+/-1395.708 χ^2/NDF:72.5/54

All: -905.779+/-1002.642 χ^2/NDF: 114.8/104



Right In: 7071.039+/-1.303 χ^2/NDF: 2010395.4/26

Left Out: 9792.234+/-1.645 χ^2/NDF:1219062.5/23

Right Out: 6916.932+/-1.234 χ^2/NDF: 2654602.4/30

Left In: 9688.179+/-1.637 χ^2/NDF:1378173.6/22

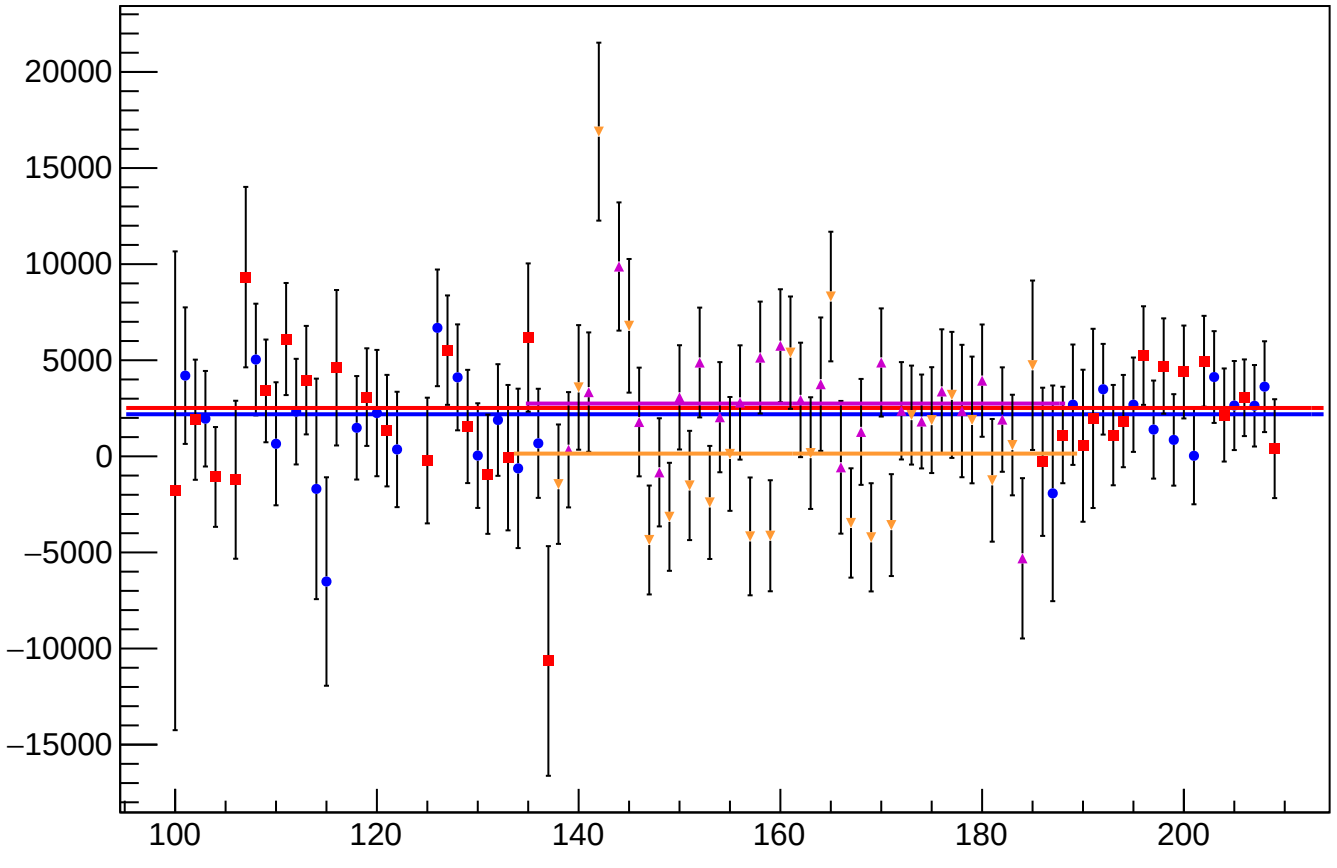
Left: 9739.942+/-1.160 χ^2/NDF: 2599247.1/46

Right: 6989.801+/-0.896 χ^2/NDF: 4672377.0/57

In: 8085.940+/-1.019 χ^2/NDF:4954158.5/49

Out: 7951.943+/-0.987 χ^2/NDF:5829230.4/54

All: 8016.789+/-0.709 χ^2/NDF: 10792310.1/1


eigen_dit_asym_atl2_mean vs Slug, Sign Corrected
20000
15000
10000
5000
0
−5000
−10000
−15000
100
120
140
160
180
200
Right In: 2189.366+/-542.248 χ²/NDF: 12.2/26
Left Out: 142.487+/-615.732 χ²/NDF:45.8/23
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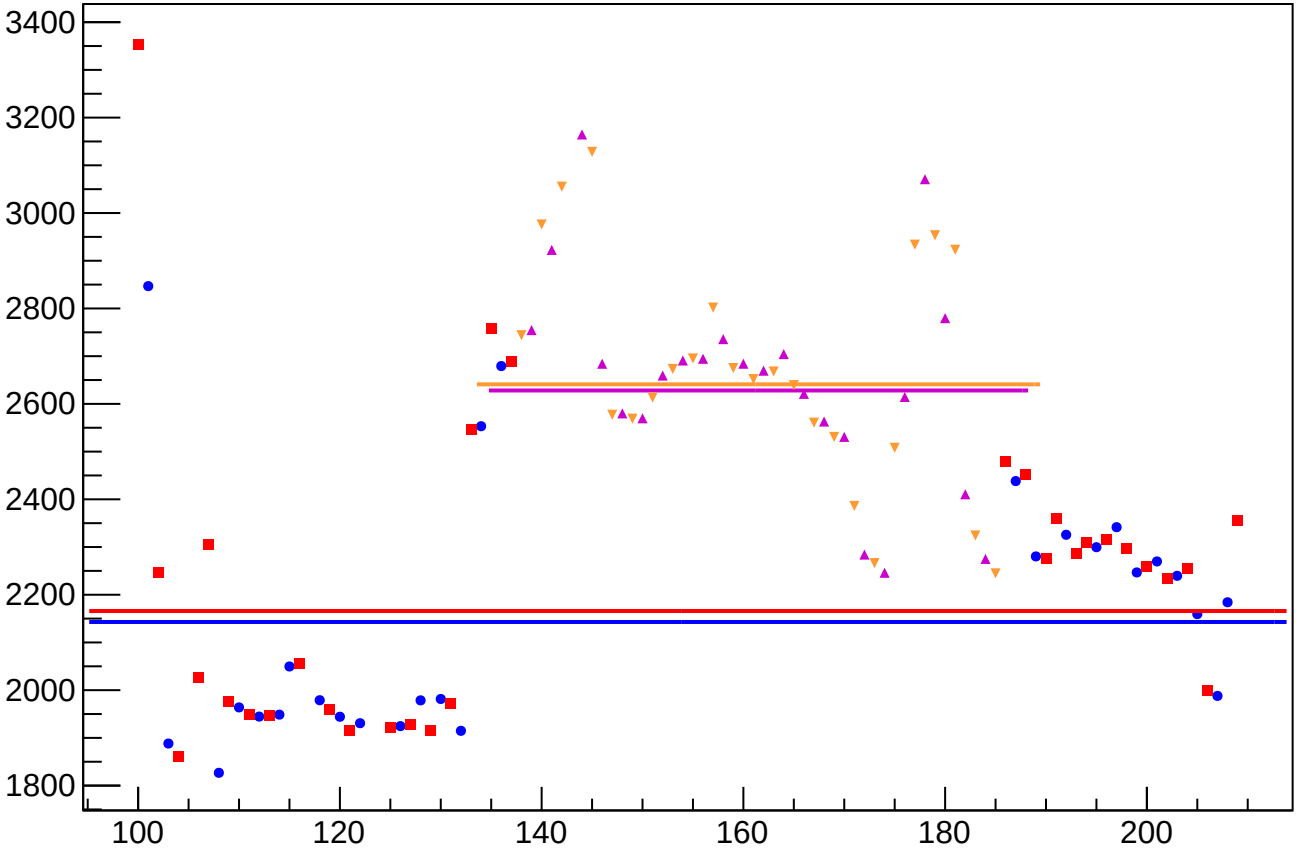
Right: 2357.124+/-378.622 χ²/NDF: 35.0/57
In: 2432.318+/-407.054 χ²/NDF:28.1/49
Out: 1508.674+/-401.209 χ²/NDF:76.9/54
All: 1963.818+/-285.742 χ²/NDF: 107.6/104

eigen_dit_asym_atl2_rms vs Slug, Sign Corrected



Right In: 2142.936+/-0.383 χ^2/NDF: 360453.0/26

Left Out: 2640.993+/-0.435 χ^2/NDF:253411.8/23

Right Out: 2165.934+/-0.374 χ^2/NDF: 344386.2/30

Left In: 2628.116+/-0.436 χ^2/NDF:237516.8/22

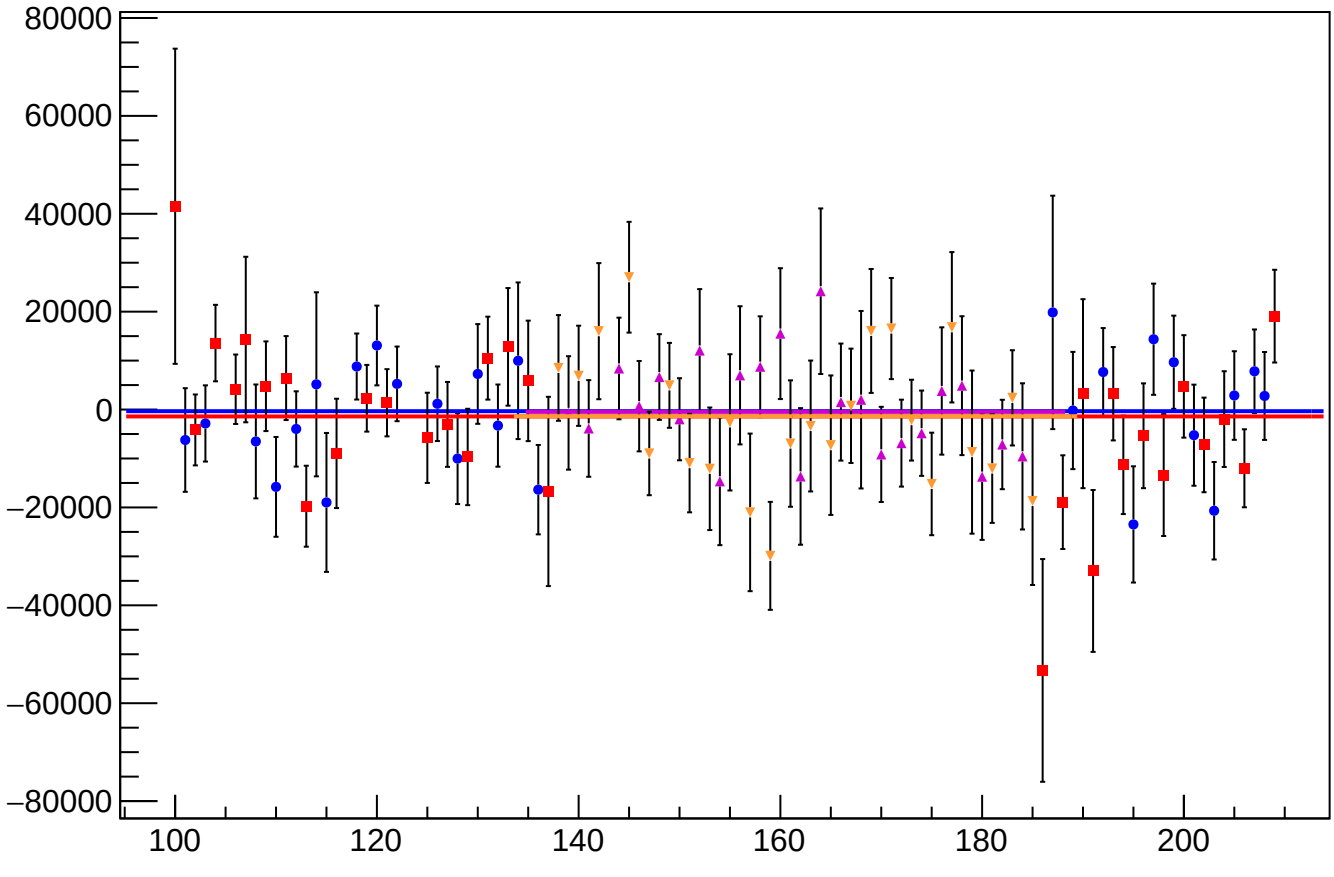
Left: 2634.558+/-0.308 χ^2/NDF: 491365.7/46

Right: 2154.730+/-0.268 χ^2/NDF: 706684.1/57

In: 2354.709+/-0.288 χ^2/NDF:1296855.4/49

Out: 2367.469+/-0.284 χ^2/NDF:1283267.5/54

All: 2361.184+/-0.202 χ^2/NDF: 2581120.2/10



Right In: -335.851+/-1842.047 χ^2/NDF: 29.1/26

Left Out: -1366.849+/-2326.293 χ^2/NDF:31.3/23

Right Out: -1408.800+/-1744.586 χ^2/NDF: 41.2/30

Left In: -463.777+/-2314.482 χ^2/NDF:13.1/22

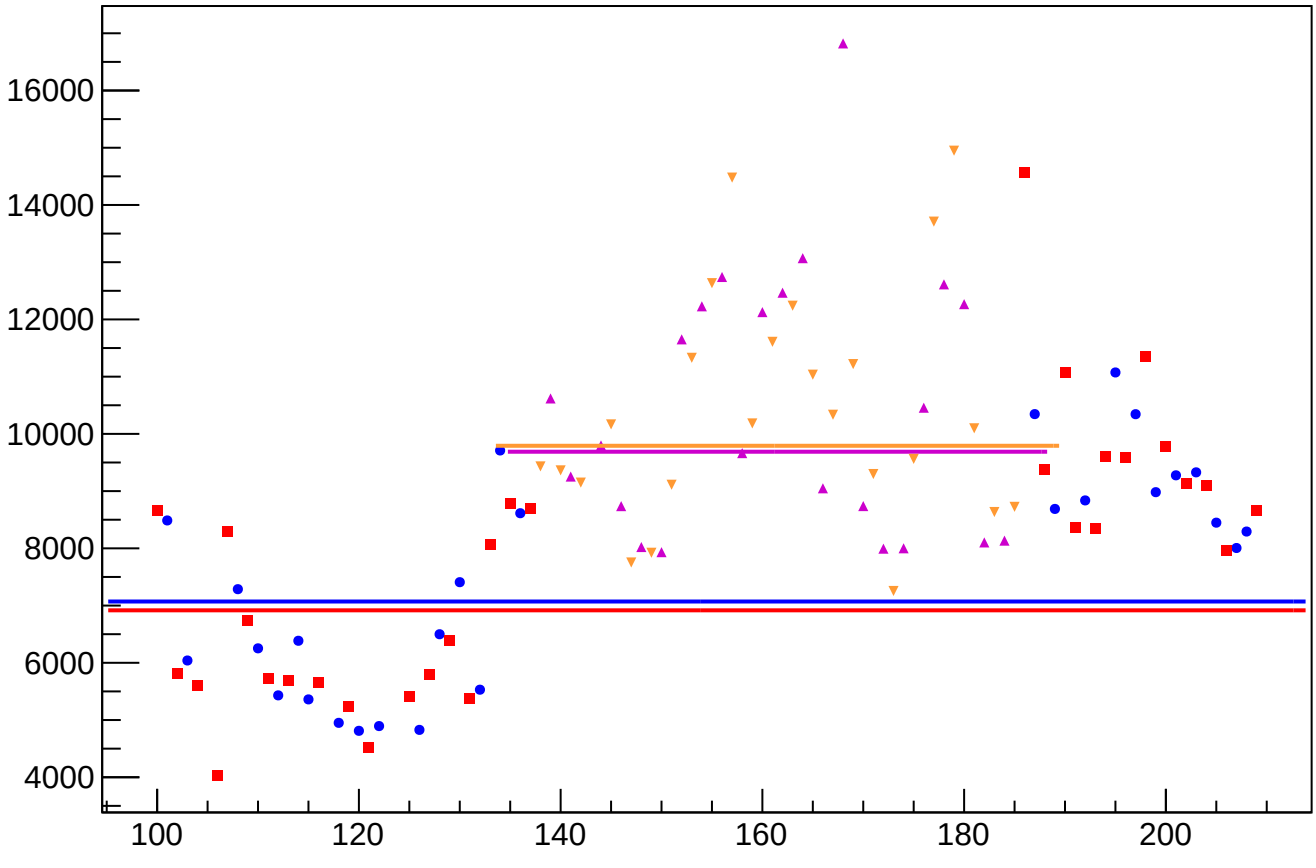
Left: -913.015+/-1640.746 χ^2/NDF: 44.4/46

Right: -901.460+/-1266.662 χ^2/NDF: 70.4/57

In: -385.459+/-1441.290 χ^2/NDF:42.1/49

Out: -1393.699+/-1395.707 χ^2/NDF:72.5/54

All: -905.775+/-1002.642 χ^2/NDF: 114.8/104



Right In: 7071.027+/-1.303 χ^2/NDF: 2010434.3/26

Left Out: 9792.251+/-1.645 χ^2/NDF:1219062.8/23

Right Out: 6916.920+/-1.234 χ^2/NDF: 2654636.0/30

Left In: 9688.194+/-1.637 χ^2/NDF:1378175.1/22

Left: 9739.958+/-1.160 χ^2/NDF: 2599248.9/46

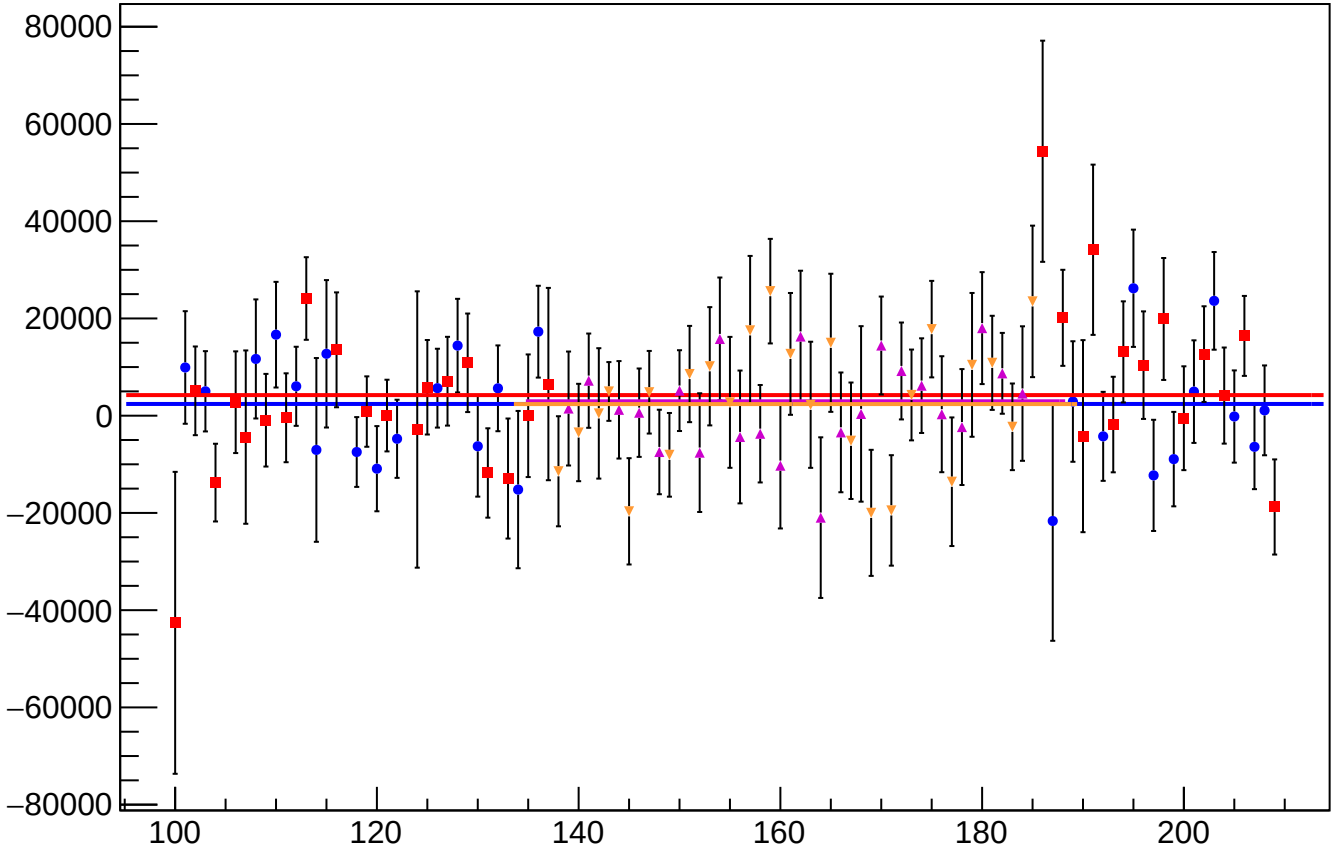
Right: 6989.789+/-0.896 χ^2/NDF: 4672449.6/57

In: 8085.935+/-1.019 χ^2/NDF:4954230.7/49

Out: 7951.937+/-0.987 χ^2/NDF:5829302.0/54

All: 8016.784+/-0.709 χ^2/NDF: 10792454.0/1

asym_atl2_mean vs Slug, Sign Corrected



Right In: 2411.679+/-1921.667 χ^2/NDF: 29.0/26

Left Out: 2387.857+/-2136.530 χ^2/NDF:29.7/24

Right Out: 4236.038+/-1856.958 χ^2/NDF: 42.7/31

Left In: 2963.537+/-2278.927 χ^2/NDF:13.0/22

Left: 2657.151+/-1558.666 χ^2/NDF: 42.8/47

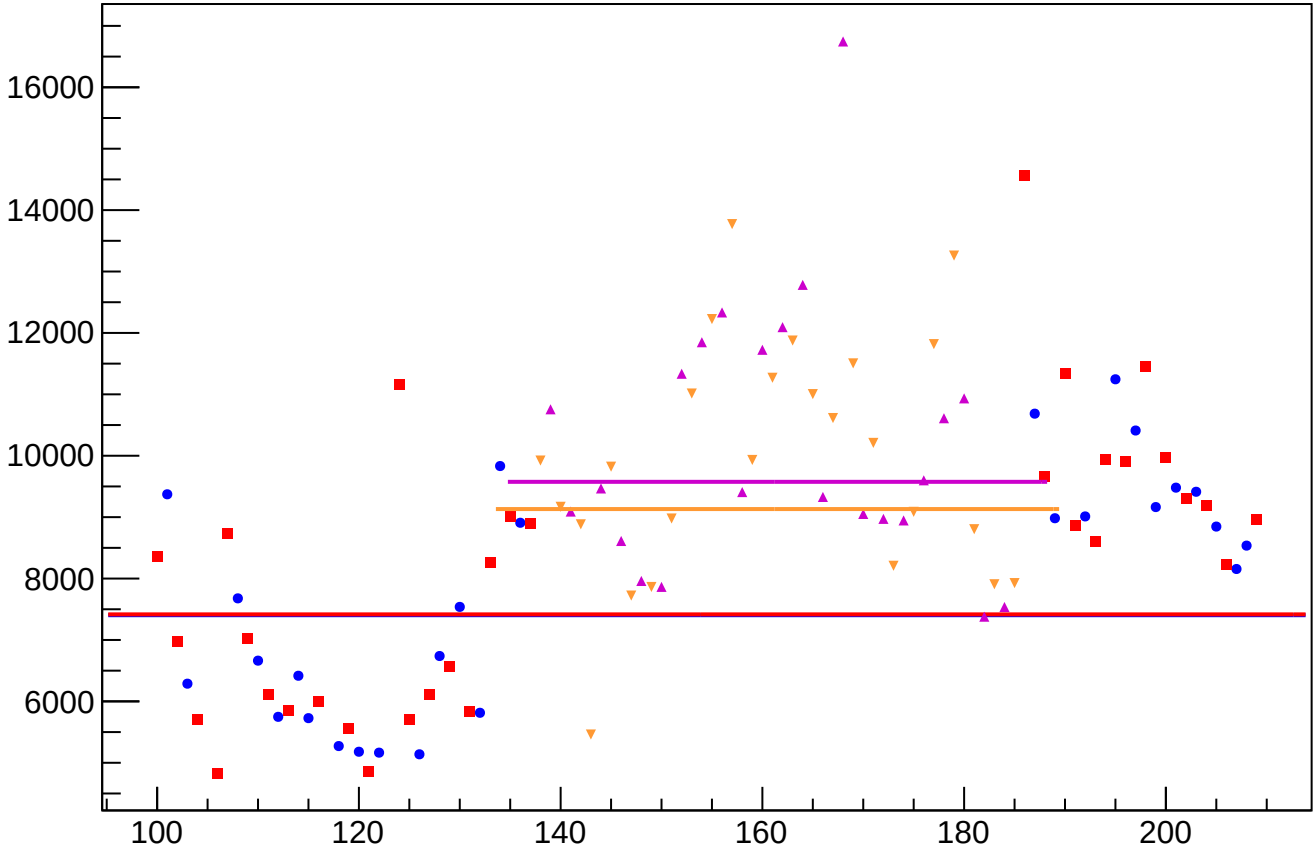
Right: 3355.092+/-1335.358 χ^2/NDF: 72.1/58

In: 2641.010+/-1469.088 χ^2/NDF:42.0/49

Out: 3440.702+/-1401.561 χ^2/NDF:72.9/56

All: 3059.657+/-1014.086 χ^2/NDF: 115.0/106

asym_atl2_rms vs Slug, Sign Corrected



Right In: 7403.305+/-1.359 χ^2/NDF: 1790130.6/26

Left Out: 9131.714+/-1.511 χ^2/NDF:1811661.2/24

Right Out: 7416.766+/-1.313 χ^2/NDF: 2179196.3/31

Left In: 9575.233+/-1.611 χ^2/NDF:1153802.3/22

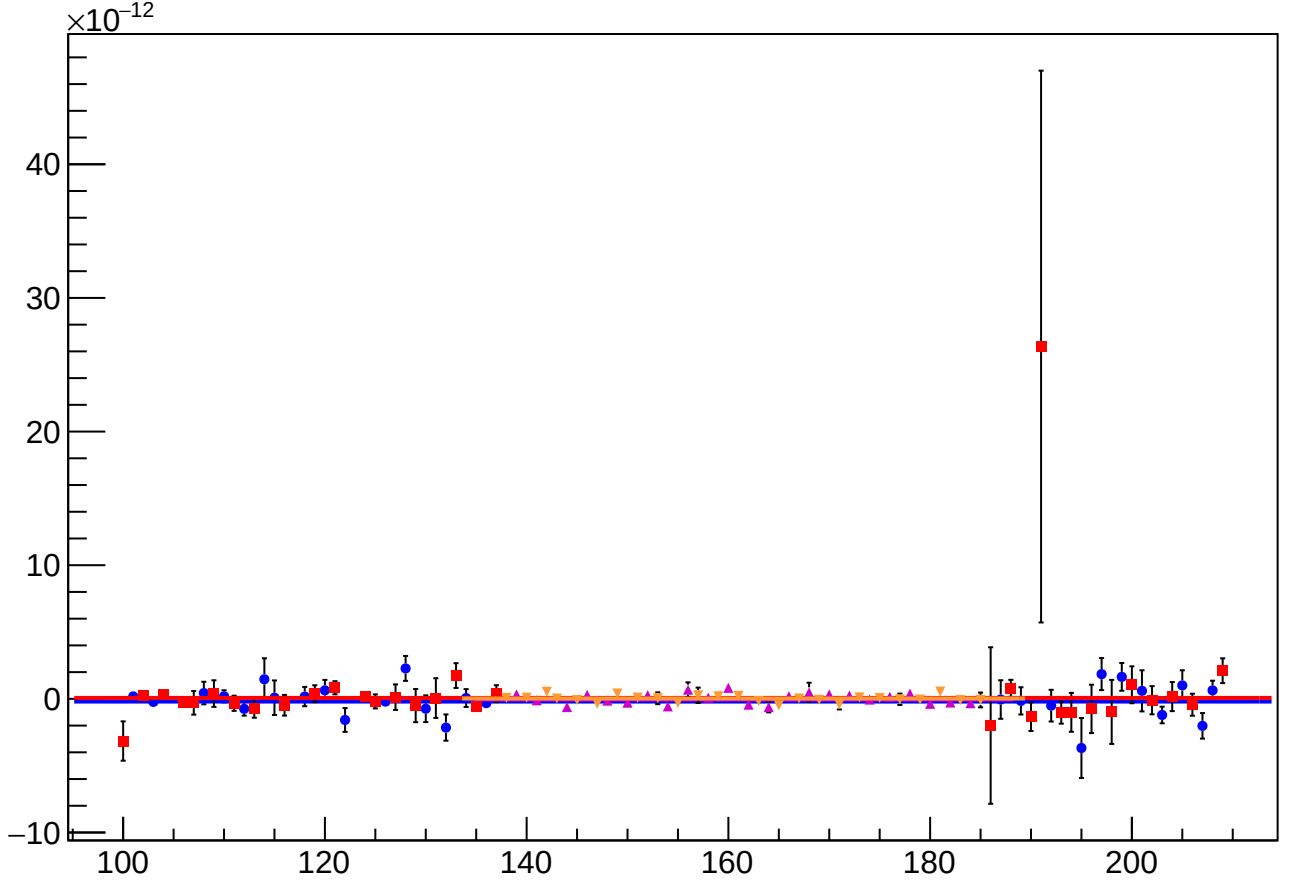
Left: 9339.185+/-1.102 χ^2/NDF: 3005779.9/47

Right: 7410.266+/-0.944 χ^2/NDF: 3969377.7/58

In: 8305.872+/-1.039 χ^2/NDF:4005627.5/49

Out: 8154.766+/-0.991 χ^2/NDF:4724922.7/56

All: 8226.767+/-0.717 χ^2/NDF: 8741627.3/10



Right In: -0.000+/-0.000 χ^2/NDF: 38.5/26

Left Out: 0.000+/-0.000 χ^2/NDF:17.9/24

Right Out: 0.000+/-0.000 χ^2/NDF: 34.1/31

Left In: -0.000+/-0.000 χ^2/NDF:36.8/22

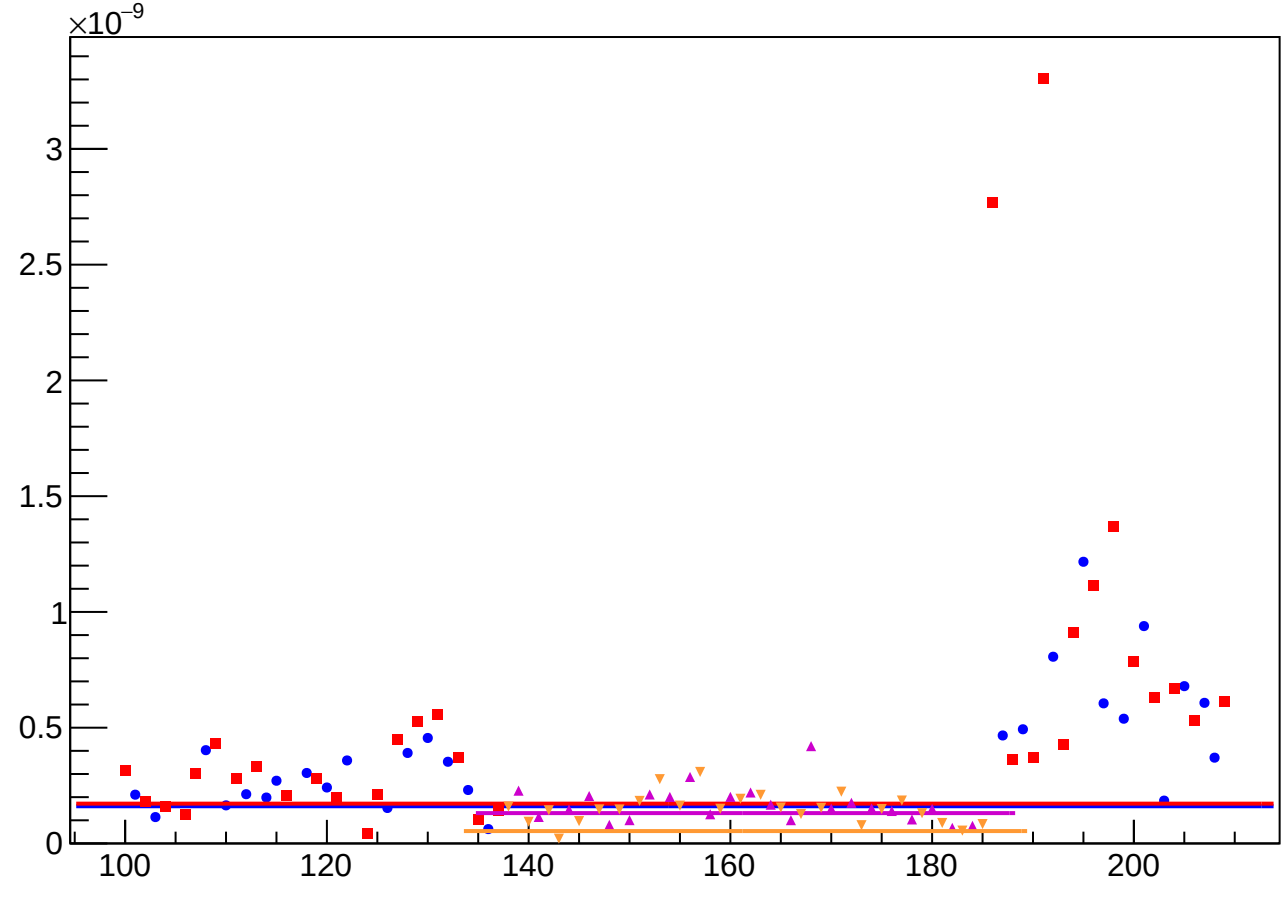
Left: 0.000+/-0.000 χ^2/NDF: 56.1/47

Right: -0.000+/-0.000 χ^2/NDF: 77.1/58

In: -0.000+/-0.000 χ^2/NDF:77.3/49

Out: 0.000+/-0.000 χ^2/NDF:52.2/56

All: -0.000+/-0.000 χ^2/NDF: 134.4/106



Right In: 0.000+/-0.000 χ^2/NDF: 5364148.1/26

Left Out: 0.000+/-0.000 χ^2/NDF:7244510.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 7083843.9/31

Left In: 0.000+/-0.000 χ^2/NDF:1904207.4/22

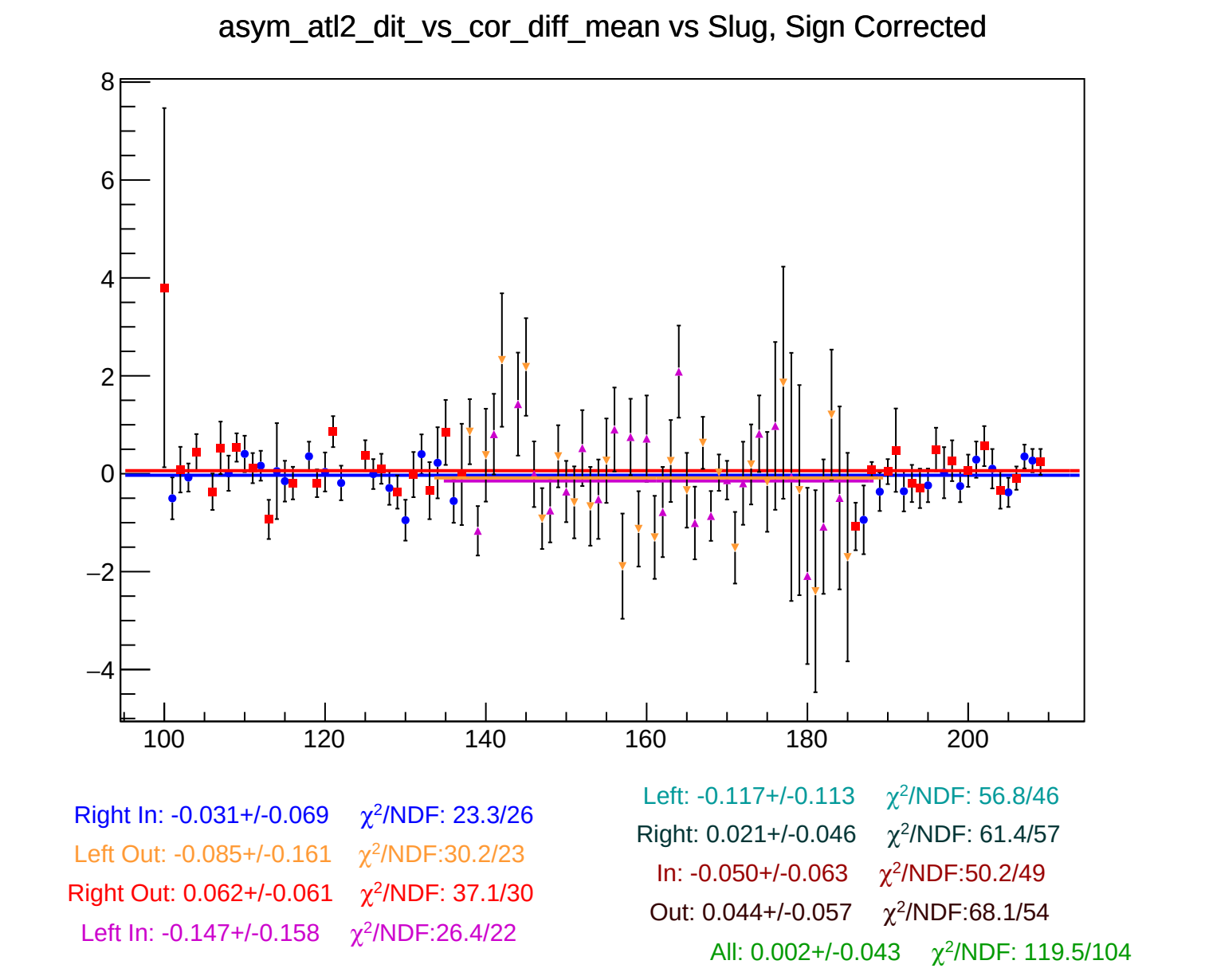
Left: 0.000+/-0.000 χ^2/NDF: 12255967.6/47

Right: 0.000+/-0.000 χ^2/NDF: 12463179.2/58

In: 0.000+/-0.000 χ^2/NDF:7424088.3/49

Out: 0.000+/-0.000 χ^2/NDF:17371540.0/56

All: 0.000+/-0.000 χ^2/NDF: 28478703.9/106


asym_atl2_dit_vs_cor_diff_mean vs Slug, Sign Corrected
8
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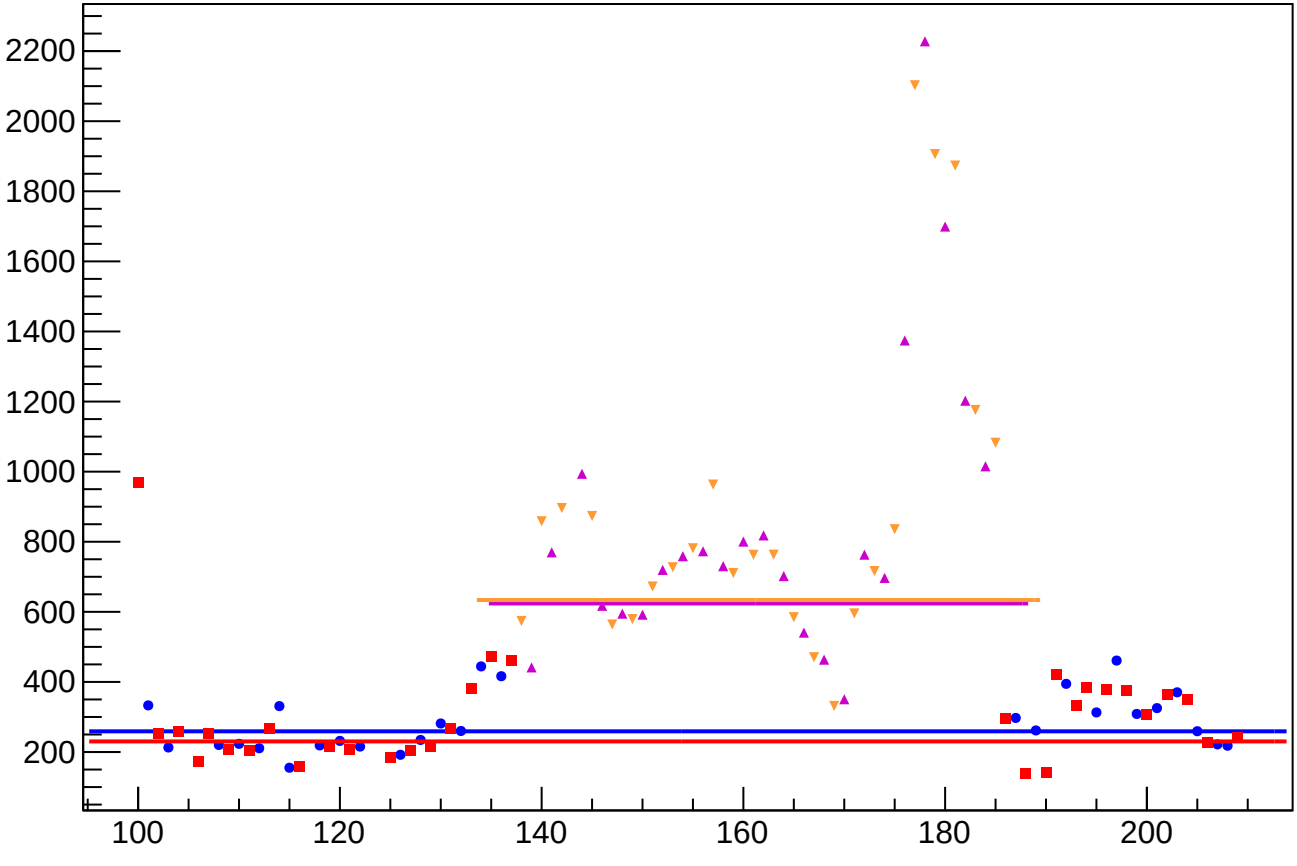
160
180
200
Right In: -0.031+/-0.069 χ²/NDF: 23.3/26
Left Out: -0.085+/-0.161 χ²/NDF:30.2/23
Right Out: 0.062+/-0.061 χ²/NDF: 37.1/30
Left In: -0.147+/-0.158 χ²/NDF:26.4/22
Left: -0.117+/-0.113 χ²/NDF: 56.8/46
Right: 0.021+/-0.046 χ²/NDF: 61.4/57
In: -0.050+/-0.063 χ²/NDF:50.2/49
Out: 0.044+/-0.057 χ²/NDF:68.1/54
All: 0.002+/-0.043 χ²/NDF: 119.5/104

asym_atl2_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 259.049+/-0.049 χ^2/NDF: 1847622.8/26

Left Out: 633.674+/-0.114 χ^2/NDF:4994105.8/23

Right Out: 230.239+/-0.043 χ^2/NDF: 3412640.8/30

Left In: 623.916+/-0.112 χ^2/NDF:4541431.8/22

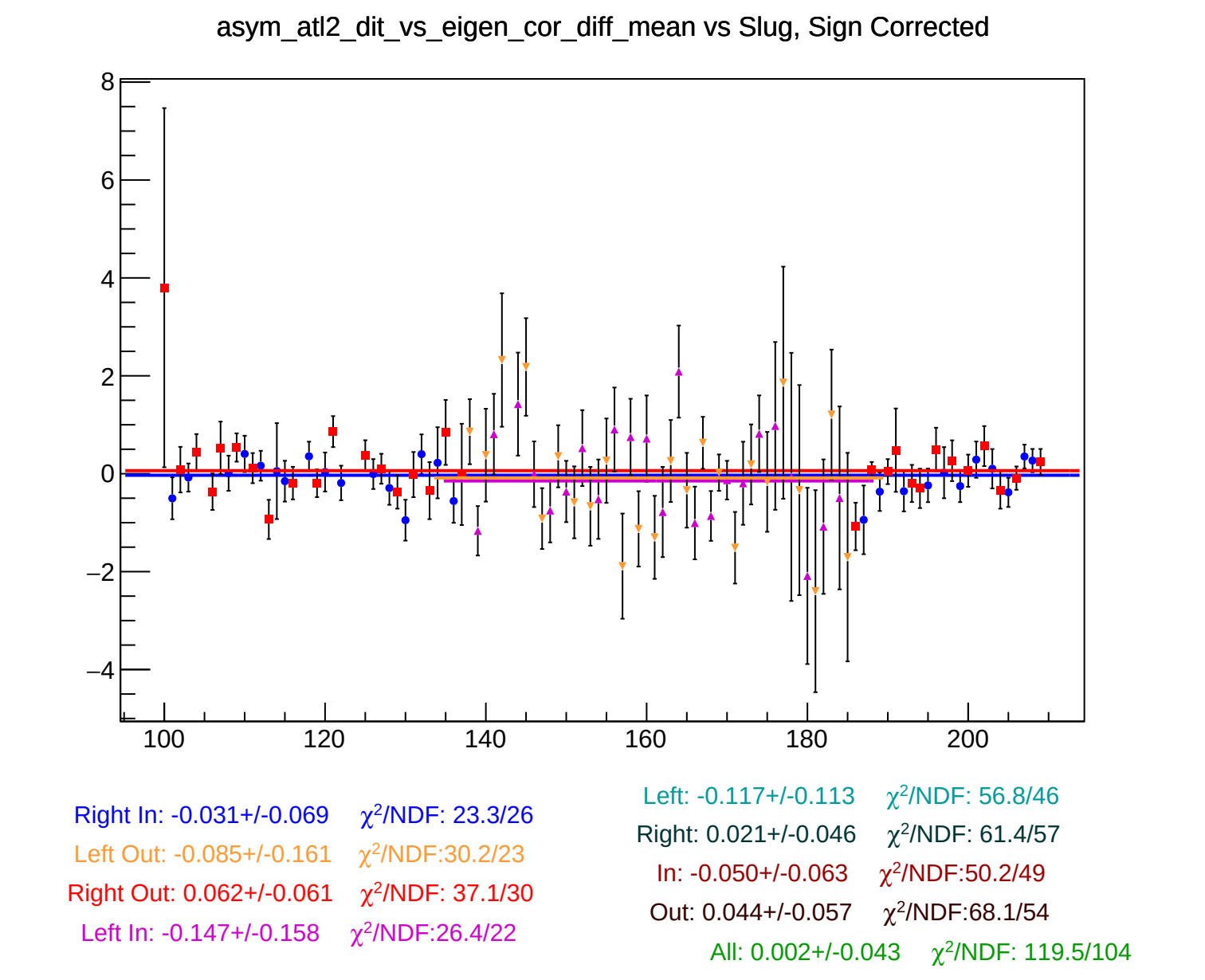
Left: 628.697+/-0.080 χ^2/NDF: 9539265.1/46

Right: 242.919+/-0.032 χ^2/NDF: 5454375.9/57

In: 317.636+/-0.045 χ^2/NDF:15318128.9/49

Out: 281.155+/-0.041 χ^2/NDF:19321380.8/54

All: 297.573+/-0.030 χ^2/NDF: 35003714.6/10


asym_atl2_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected
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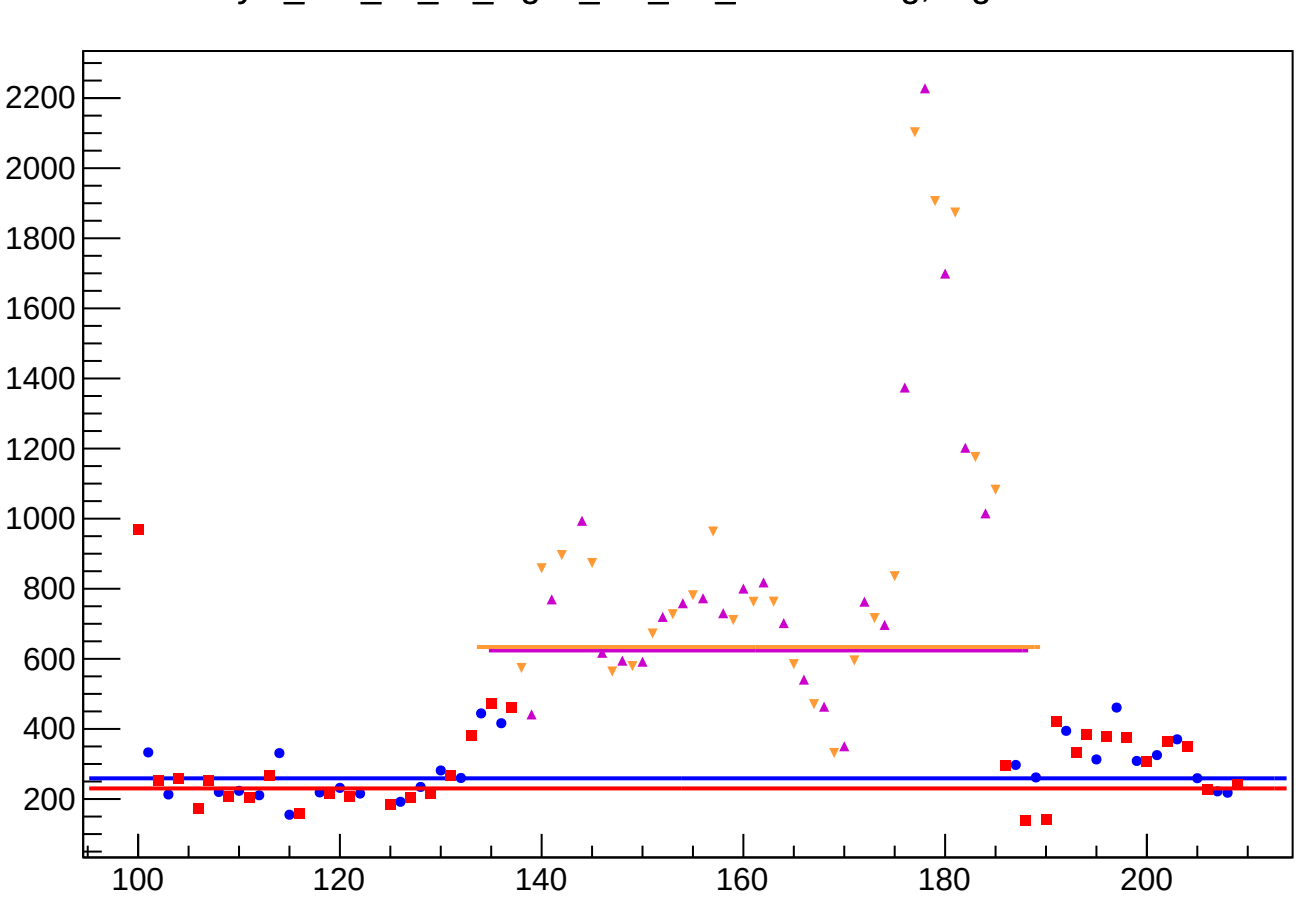
180
200
Right In: -0.031+/-0.069 χ²/NDF: 23.3/26
Left Out: -0.085+/-0.161 χ²/NDF:30.2/23
Right Out: 0.062+/-0.061 χ²/NDF: 37.1/30
Left In: -0.147+/-0.158 χ²/NDF:26.4/22
Left: -0.117+/-0.113 χ²/NDF: 56.8/46
Right: 0.021+/-0.046 χ²/NDF: 61.4/57
In: -0.050+/-0.063 χ²/NDF:50.2/49
Out: 0.044+/-0.057 χ²/NDF:68.1/54
All: 0.002+/-0.043 χ²/NDF: 119.5/104



Right In: 259.049+/-0.049 χ^2/NDF: 1847622.8/26

Left Out: 633.674+/-0.114 χ^2/NDF:4994105.8/23

Right Out: 230.239+/-0.043 χ^2/NDF: 3412640.8/30

Left In: 623.916+/-0.112 χ^2/NDF:4541431.8/22

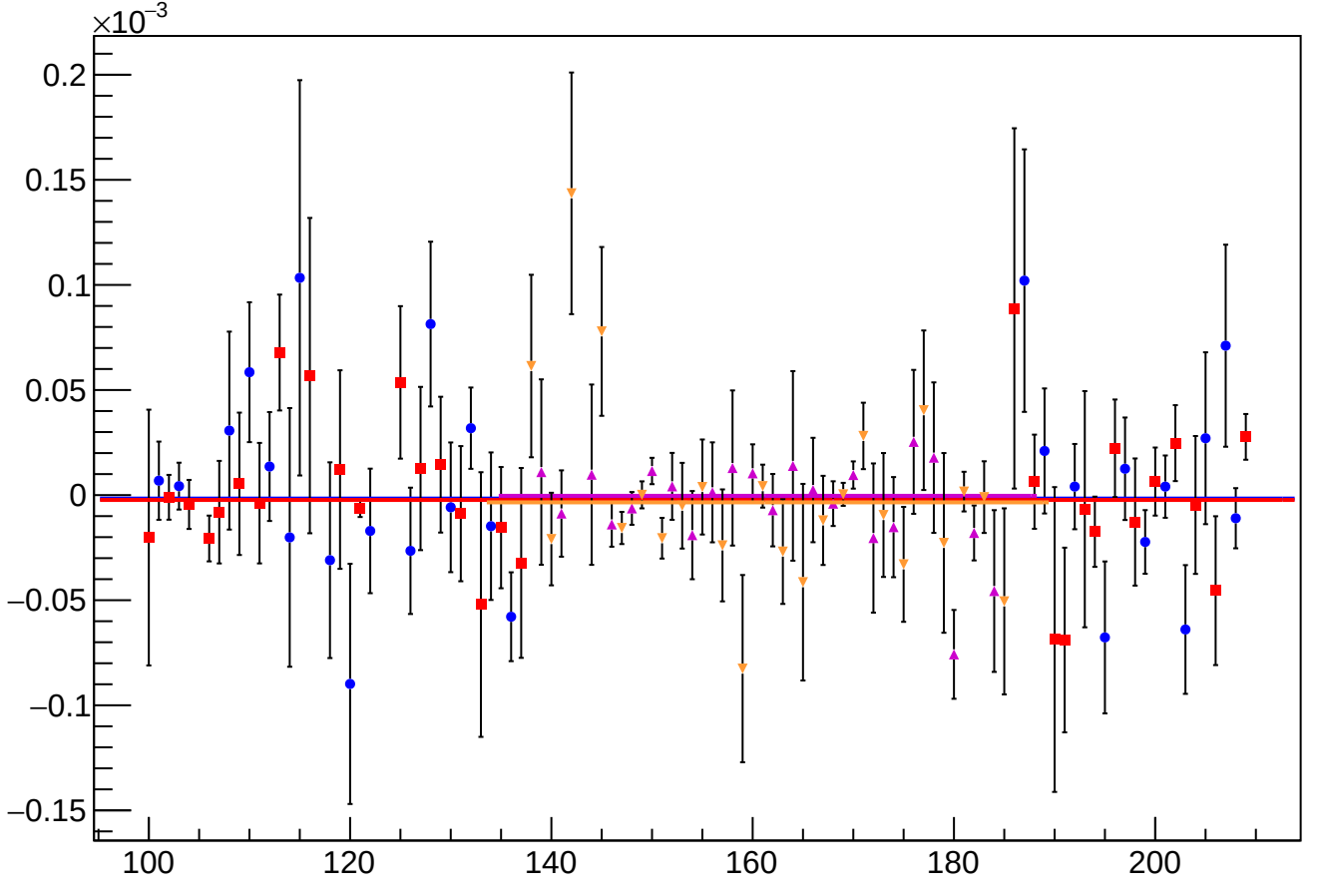
Left: 628.697+/-0.080 χ^2/NDF: 9539265.1/46

Right: 242.919+/-0.032 χ^2/NDF: 5454375.9/57

In: 317.636+/-0.045 χ^2/NDF:15318128.9/49

Out: 281.155+/-0.041 χ^2/NDF:19321380.8/54

All: 297.573+/-0.030 χ^2/NDF: 35003714.6/10



Right In: -0.000+/-0.000 χ^2/NDF: 40.8/26

Left Out: -0.000+/-0.000 χ^2/NDF:34.3/23

Right Out: -0.000+/-0.000 χ^2/NDF: 33.5/30

Left In: -0.000+/-0.000 χ^2/NDF:27.9/22

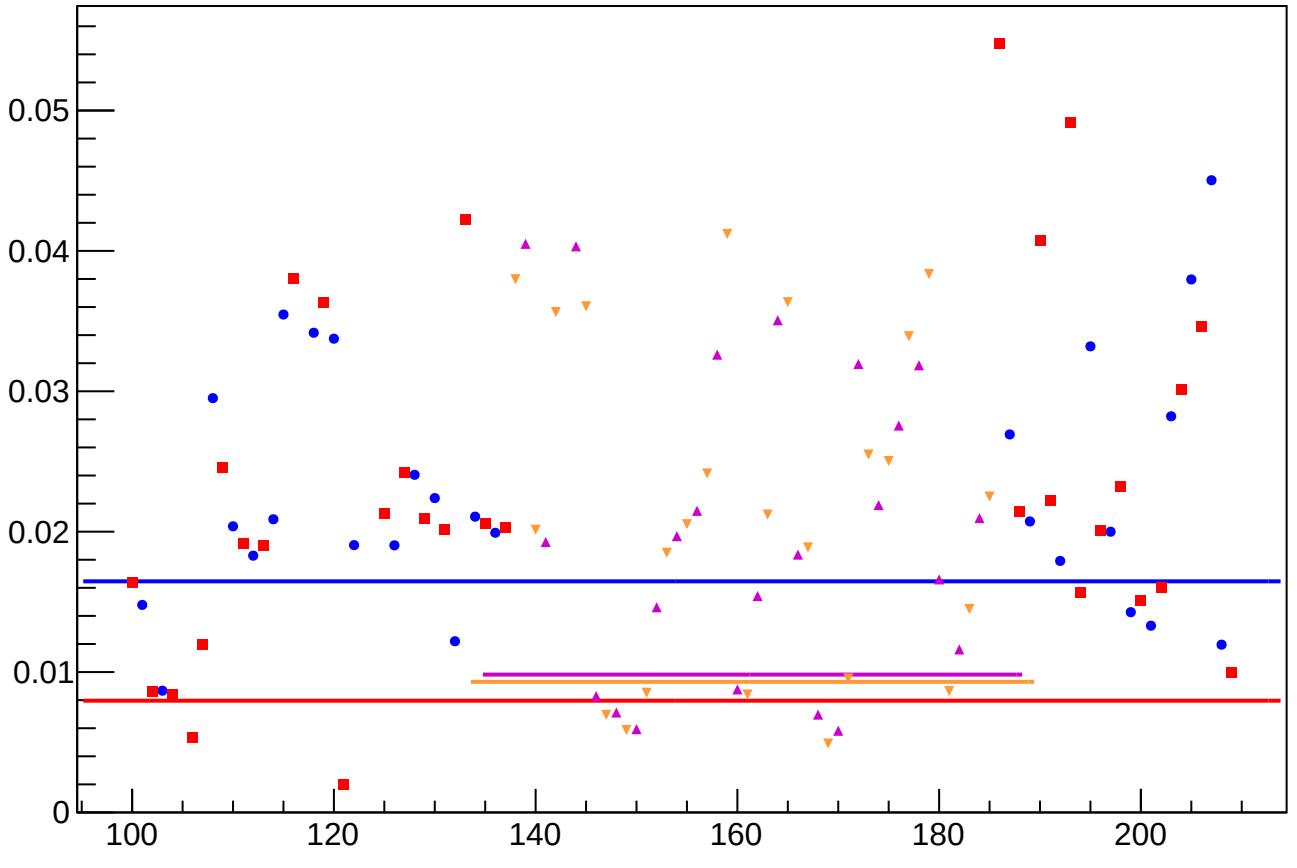
Left: -0.000+/-0.000 χ^2/NDF: 62.8/46

Right: -0.000+/-0.000 χ^2/NDF: 74.4/57

In: -0.000+/-0.000 χ^2/NDF:68.8/49

Out: -0.000+/-0.000 χ^2/NDF:67.9/54

All: -0.000+/-0.000 χ^2/NDF: 137.1/104



Right In: 0.016+/-0.000 χ^2/NDF: 4577326.5/26

Left Out: 0.009+/-0.000 χ^2/NDF:12224529.3/23

Right Out: 0.008+/-0.000 χ^2/NDF: 16499138.0/30

Left In: 0.010+/-0.000 χ^2/NDF:10307261.6/22

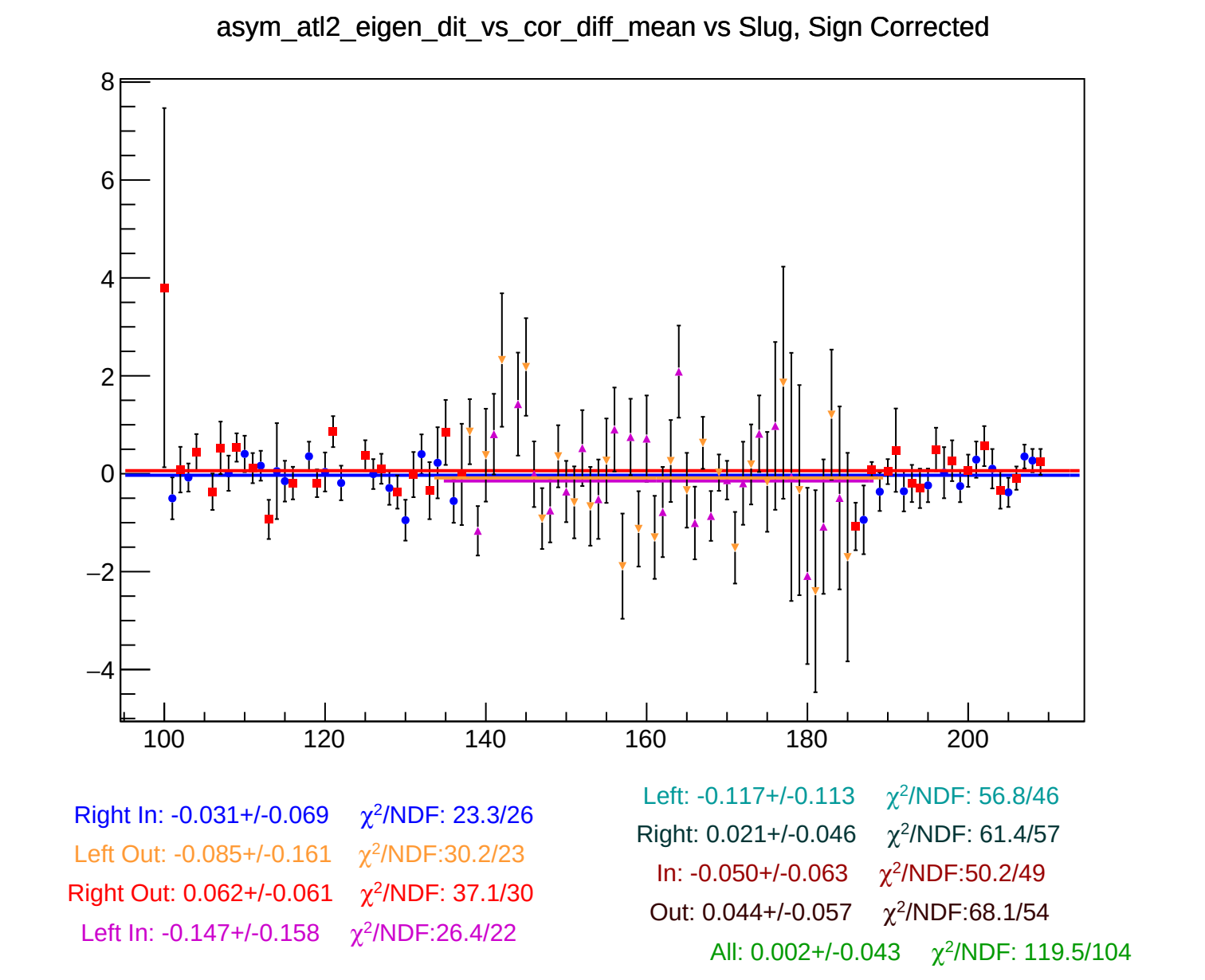
Left: 0.010+/-0.000 χ^2/NDF: 22565208.8/46

Right: 0.010+/-0.000 χ^2/NDF: 25989036.5/57

In: 0.012+/-0.000 χ^2/NDF:17848275.7/49

Out: 0.009+/-0.000 χ^2/NDF:28954501.1/54

All: 0.010+/-0.000 χ^2/NDF: 48663829.7/104


asym_atl2_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected
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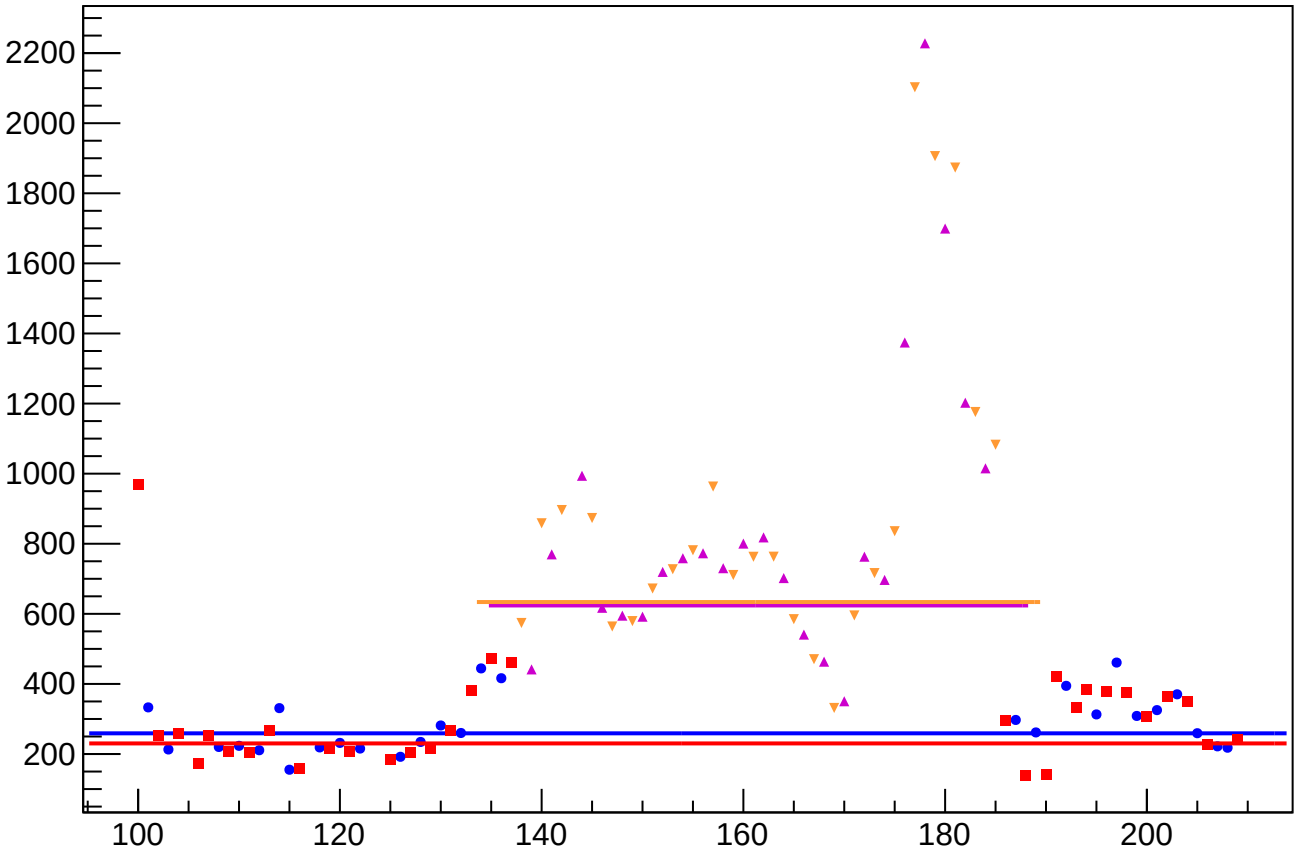
200
Right In: -0.031+/-0.069 χ²/NDF: 23.3/26
Left Out: -0.085+/-0.161 χ²/NDF:30.2/23
Right Out: 0.062+/-0.061 χ²/NDF: 37.1/30
Left In: -0.147+/-0.158 χ²/NDF:26.4/22
Left: -0.117+/-0.113 χ²/NDF: 56.8/46
Right: 0.021+/-0.046 χ²/NDF: 61.4/57
In: -0.050+/-0.063 χ²/NDF:50.2/49
Out: 0.044+/-0.057 χ²/NDF:68.1/54
All: 0.002+/-0.043 χ²/NDF: 119.5/104



Right In: 259.051+/-0.049 χ^2/NDF: 1847596.5/26

Left Out: 633.678+/-0.114 χ^2/NDF:4994172.5/23

Right Out: 230.238+/-0.043 χ^2/NDF: 3412804.2/30

Left In: 623.922+/-0.112 χ^2/NDF:4541413.9/22

Left: 628.702+/-0.080 χ^2/NDF: 9539311.9/46

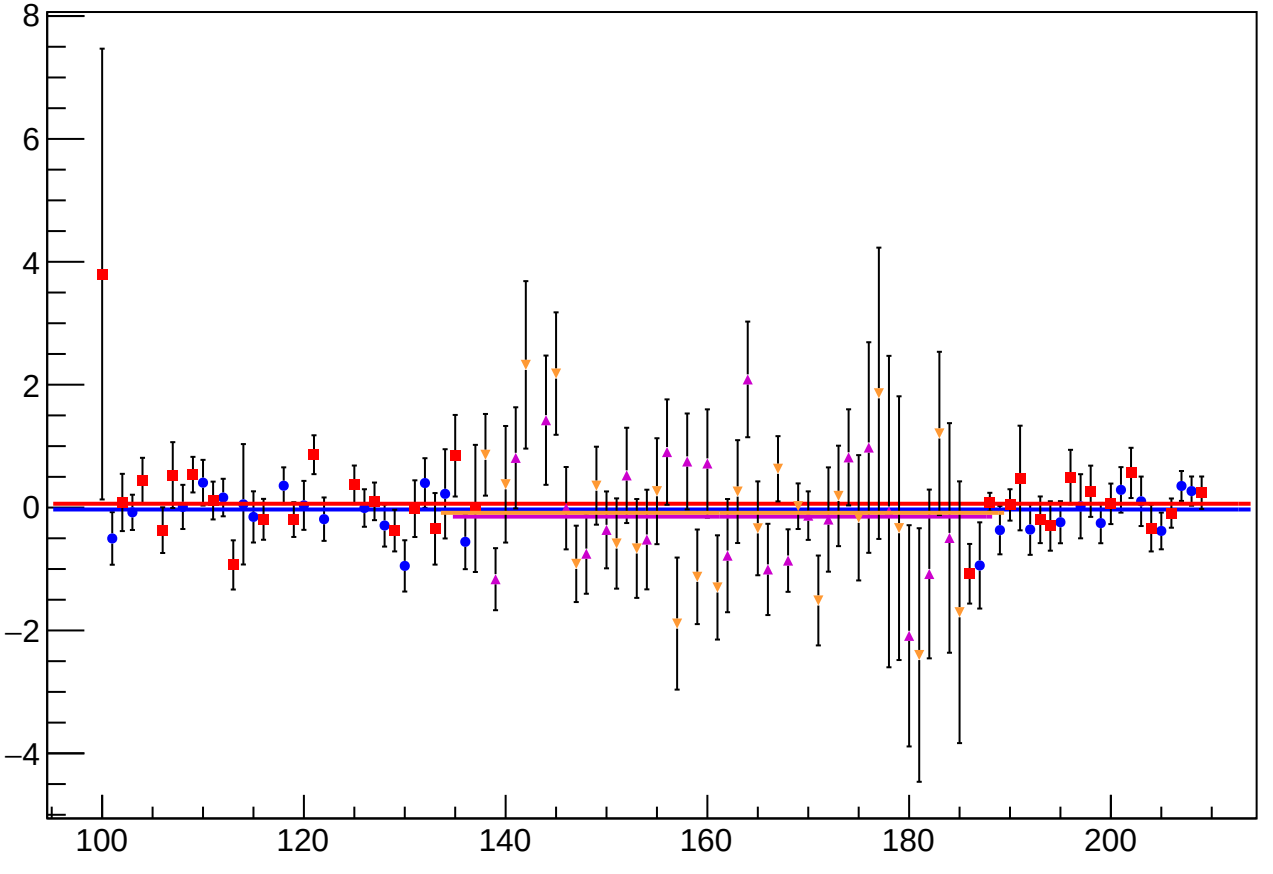
Right: 242.919+/-0.032 χ^2/NDF: 5454552.4/57

In: 317.637+/-0.045 χ^2/NDF:15318174.9/49

Out: 281.153+/-0.041 χ^2/NDF:19321791.7/54

All: 297.572+/-0.030 χ^2/NDF: 35004239.3/10

asym_atl2_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.031+/-0.069 χ^2/NDF: 23.3/26

Left Out: -0.085+/-0.161 χ^2/NDF:30.2/23

Right Out: 0.062+/-0.061 χ^2/NDF: 37.1/30

Left In: -0.147+/-0.158 χ^2/NDF:26.4/22

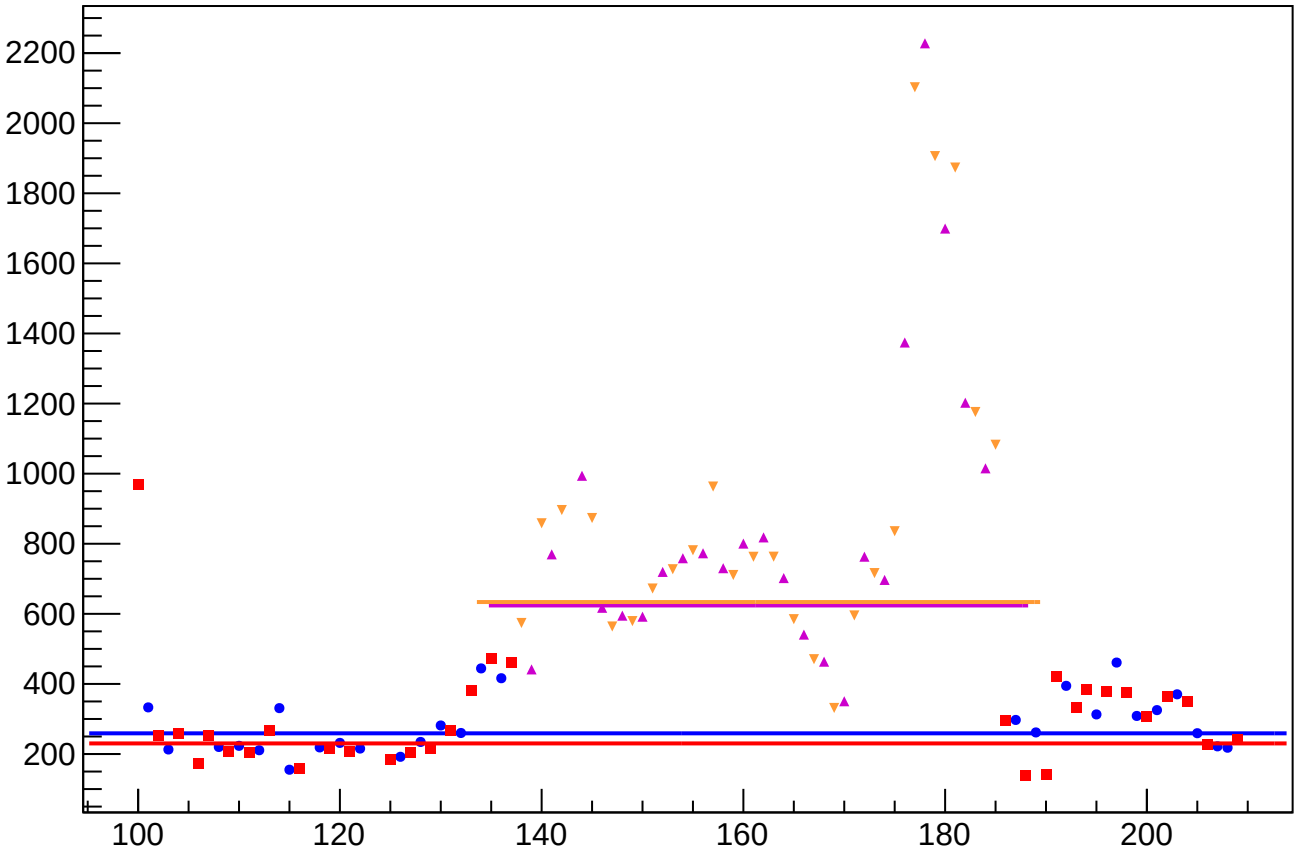
Left: -0.117+/-0.113 χ^2/NDF: 56.8/46

Right: 0.021+/-0.046 χ^2/NDF: 61.4/57

In: -0.050+/-0.063 χ^2/NDF:50.2/49

Out: 0.044+/-0.057 χ^2/NDF:68.1/54

All: 0.002+/-0.043 χ^2/NDF: 119.5/104



Right In: 259.051+/-0.049 χ^2/NDF: 1847596.5/26

Left Out: 633.678+/-0.114 χ^2/NDF:4994172.5/23

Right Out: 230.238+/-0.043 χ^2/NDF: 3412804.2/30

Left In: 623.922+/-0.112 χ^2/NDF:4541413.9/22

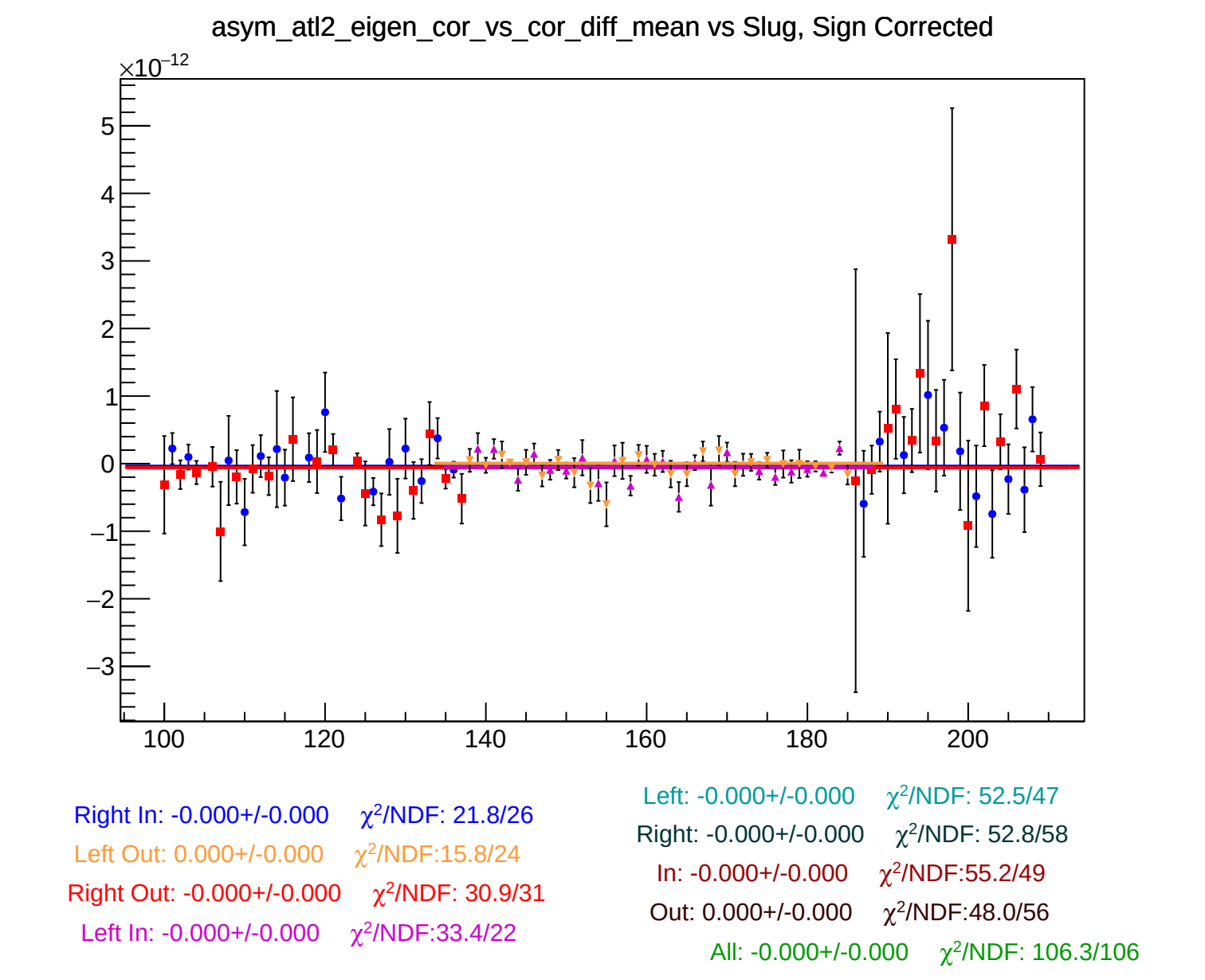
Left: 628.702+/-0.080 χ^2/NDF: 9539311.9/46

Right: 242.919+/-0.032 χ^2/NDF: 5454552.4/57

In: 317.637+/-0.045 χ^2/NDF:15318174.9/49

Out: 281.153+/-0.041 χ^2/NDF:19321791.7/54

All: 297.572+/-0.030 χ^2/NDF: 35004239.3/10


asym_atl2_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
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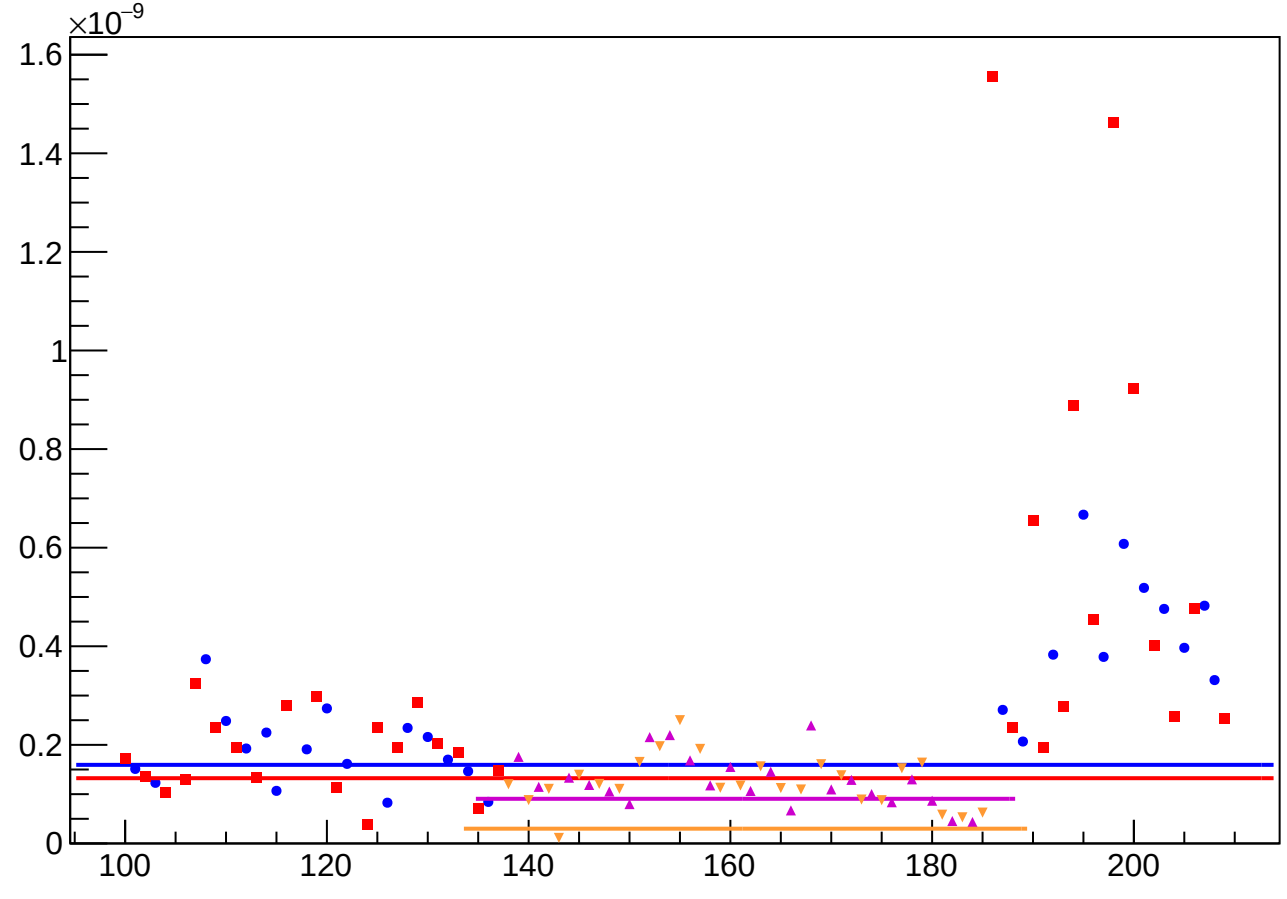
Right In: -0.000+/-0.000 χ²/NDF: 21.8/26
Left Out: 0.000+/-0.000 χ²/NDF:15.8/24
Right Out: -0.000+/-0.000 χ²/NDF: 30.9/31
Left In: -0.000+/-0.000 χ²/NDF:33.4/22
Left: -0.000+/-0.000 χ²/NDF: 52.5/47
Right: -0.000+/-0.000 χ²/NDF: 52.8/58
In: -0.000+/-0.000 χ²/NDF:55.2/49
Out: 0.000+/-0.000 χ²/NDF:48.0/56
All: -0.000+/-0.000 χ²/NDF: 106.3/106



Right In: 0.000+/-0.000 χ^2/NDF: 5384374.1/26

Left Out: 0.000+/-0.000 χ^2/NDF:17263498.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 8479014.3/31

Left In: 0.000+/-0.000 χ^2/NDF:4716343.8/22

Left: 0.000+/-0.000 χ^2/NDF: 29587513.4/47

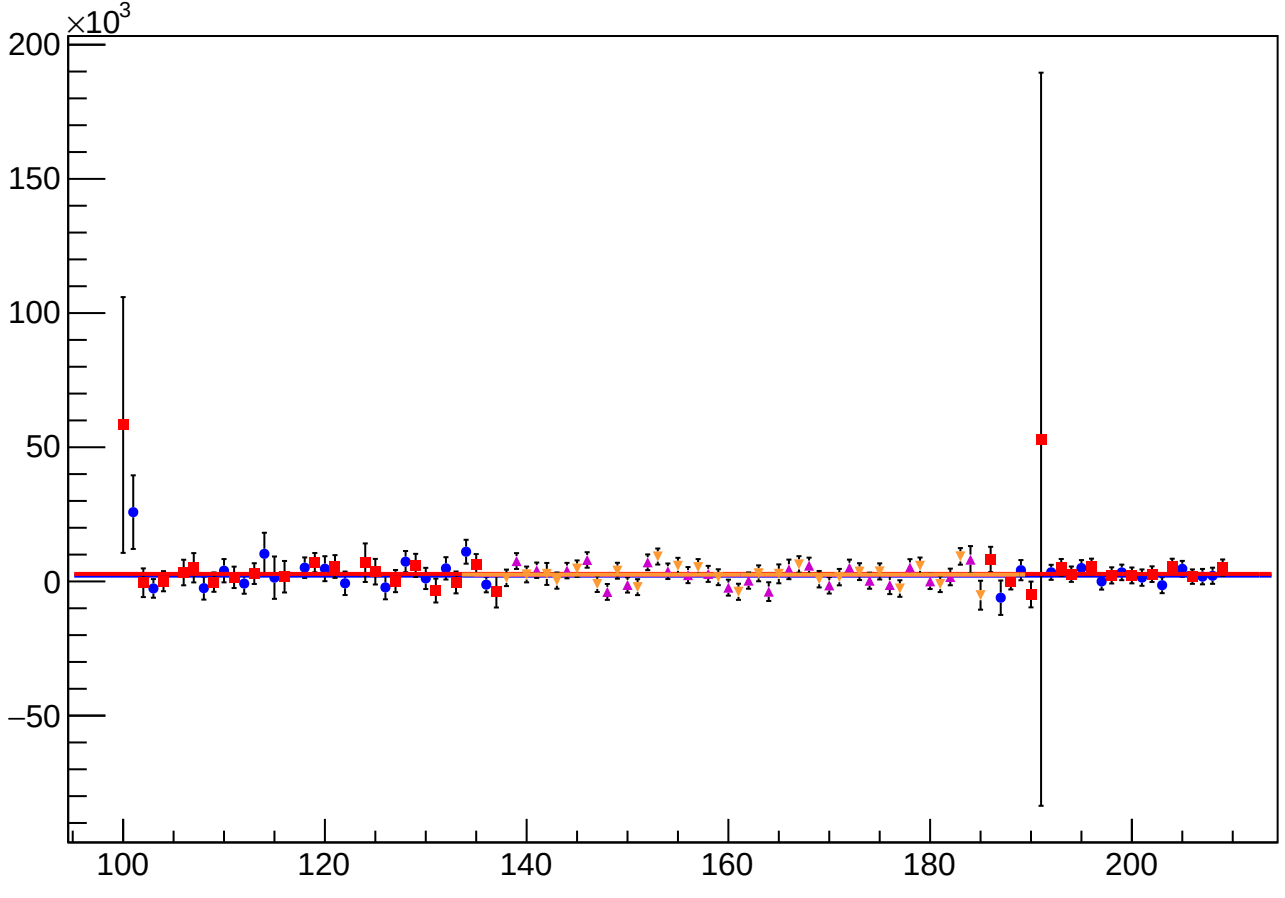
Right: 0.000+/-0.000 χ^2/NDF: 14069210.5/58

In: 0.000+/-0.000 χ^2/NDF:12073675.2/49

Out: 0.000+/-0.000 χ^2/NDF:32141114.9/56

All: 0.000+/-0.000 χ^2/NDF: 54729597.0/106

reg_asym_atr1_mean vs Slug, Sign Corrected



Right In: 2159.465+/-706.665 χ^2/NDF: 23.8/26

Left Out: 2556.827+/-621.829 χ^2/NDF:31.6/24

Right Out: 2809.021+/-679.424 χ^2/NDF: 18.8/31

Left In: 2408.320+/-639.726 χ^2/NDF:31.4/22

Left: 2484.680+/-445.893 χ^2/NDF: 63.0/47

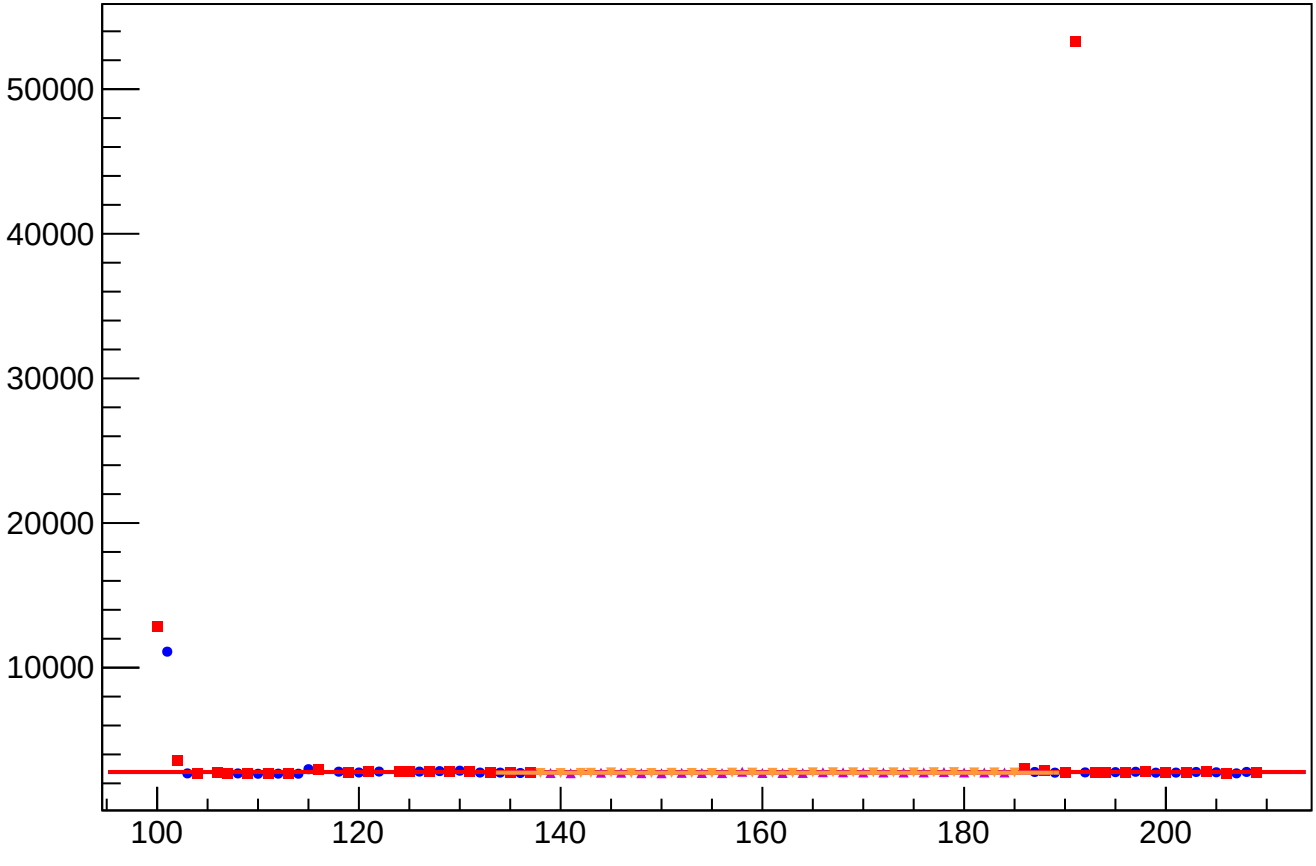
Right: 2497.004+/-489.773 χ^2/NDF: 43.0/58

In: 2296.234+/-474.259 χ^2/NDF:55.2/49

Out: 2671.783+/-458.712 χ^2/NDF:50.4/56

All: 2490.265+/-329.718 χ^2/NDF: 105.9/106

reg_asym_atr1_rms vs Slug, Sign Corrected



Right In: 2779.656+/-0.500 χ^2/NDF: 750457.2/26

Left Out: 2737.519+/-0.440 χ^2/NDF:2317.5/24

Right Out: 2786.728+/-0.480 χ^2/NDF: 481409.7/31

Left In: 2739.863+/-0.452 χ^2/NDF:3362.0/22

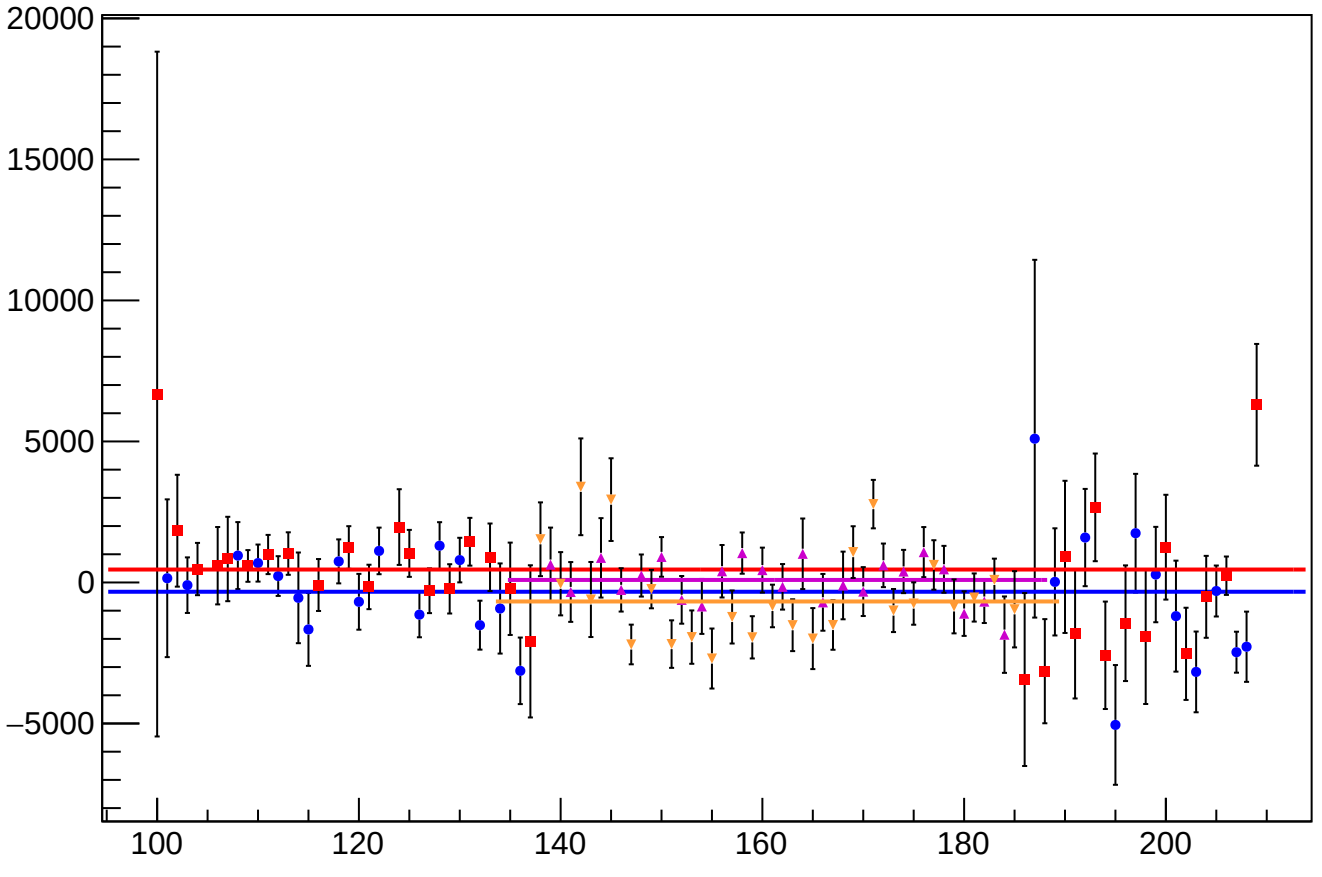
Left: 2738.658+/-0.315 χ^2/NDF: 5693.3/47

Right: 2783.331+/-0.346 χ^2/NDF: 1231971.0/58

In: 2757.786+/-0.335 χ^2/NDF:757304.7/49

Out: 2759.950+/-0.324 χ^2/NDF:489436.5/56

All: 2758.904+/-0.233 χ^2/NDF: 1246762.7/10



Right In: -329.137+/-202.895 χ^2/NDF: 48.3/26

Left Out: -673.693+/-181.230 χ^2/NDF:58.4/24

Right Out: 458.818+/-193.717 χ^2/NDF: 33.5/31

Left In: 89.519+/-183.491 χ^2/NDF:14.8/22

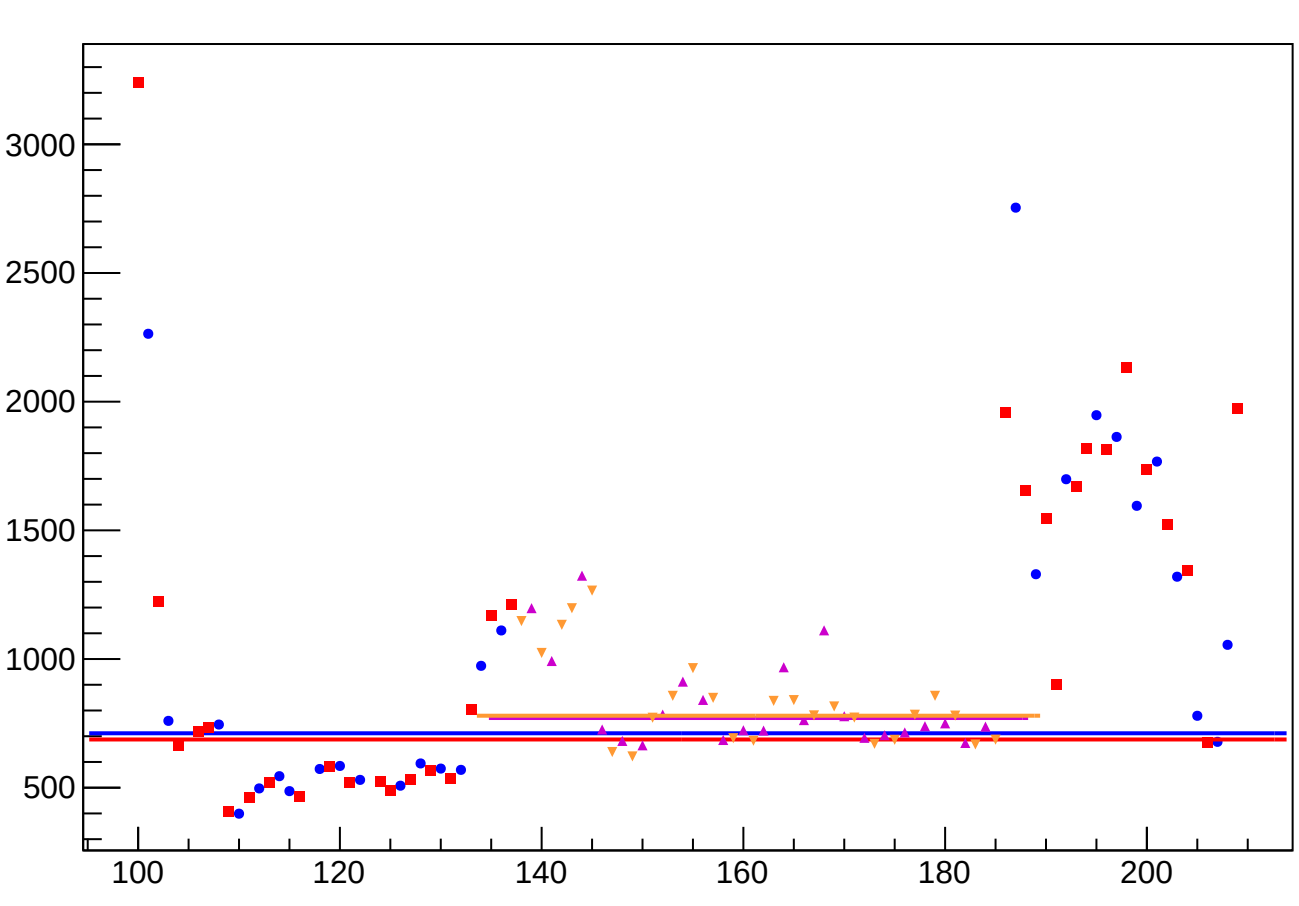
Left: -296.818+/-128.941 χ^2/NDF: 81.9/47

Right: 83.064+/-140.111 χ^2/NDF: 89.7/58

In: -98.838+/-136.092 χ^2/NDF:65.5/49

Out: -145.110+/-132.344 χ^2/NDF:110.0/56

All: -122.620+/-94.879 χ^2/NDF: 175.6/106



Right In: 711.476+/-0.143 χ^2/NDF: 6103290.7/26

Left Out: 779.715+/-0.128 χ^2/NDF:1243743.5/24

Right Out: 687.371+/-0.137 χ^2/NDF: 7843745.2/31

Left In: 770.795+/-0.130 χ^2/NDF:1076354.9/22

Left: 775.310+/-0.091 χ^2/NDF: 2322491.0/47

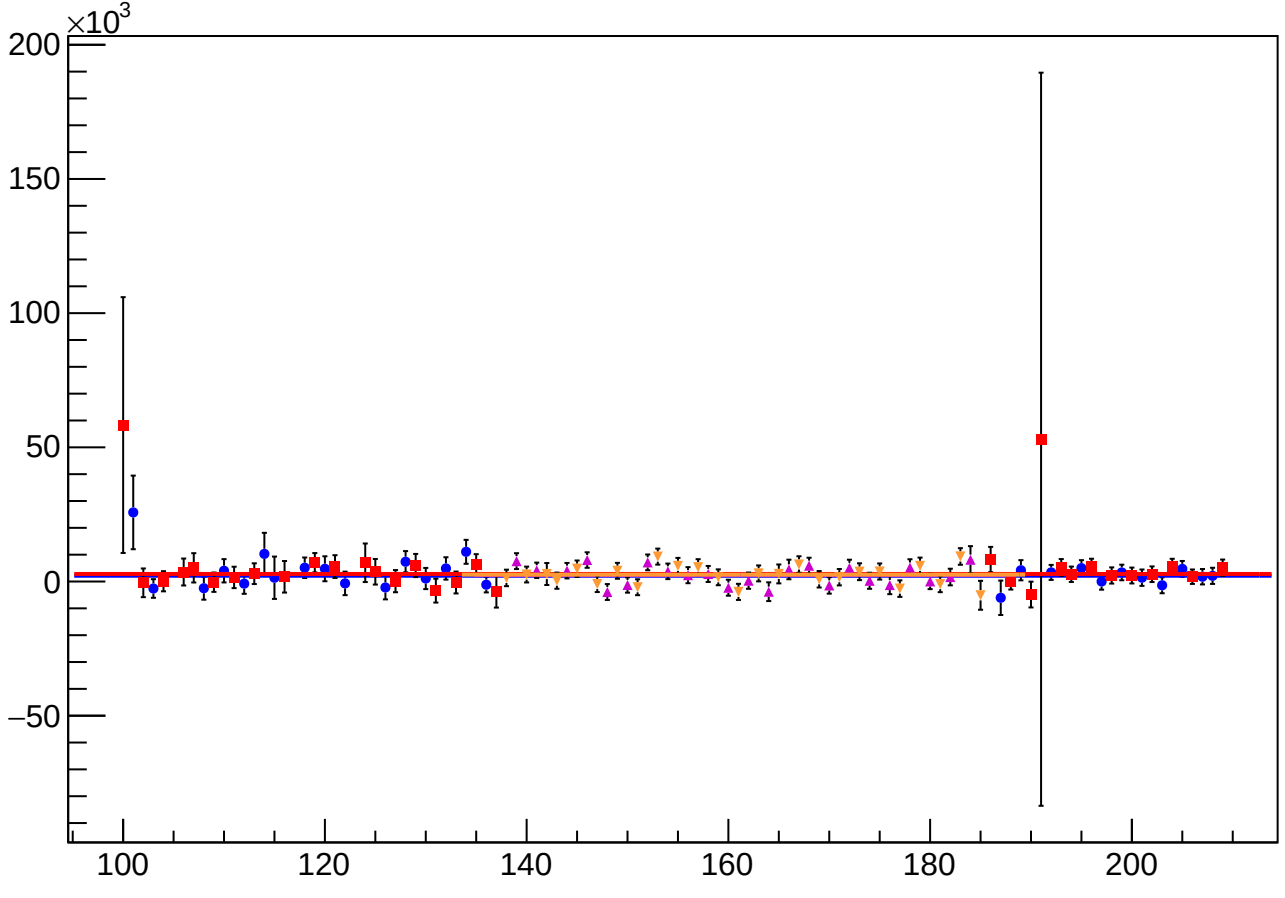
Right: 698.866+/-0.099 χ^2/NDF: 13961803.8/58

In: 744.107+/-0.096 χ^2/NDF:7273684.5/49

Out: 736.615+/-0.094 χ^2/NDF:9329846.5/56

All: 740.256+/-0.067 χ^2/NDF: 16606646.3/10

cor_asym_atr1_mean vs Slug, Sign Corrected



Right In: 2159.165+/-706.665 χ^2/NDF: 23.8/26

Left Out: 2556.787+/-621.829 χ^2/NDF:31.6/24

Right Out: 2812.353+/-680.097 χ^2/NDF: 18.8/31

Left In: 2408.461+/-639.726 χ^2/NDF:31.4/22

Left: 2484.728+/-445.893 χ^2/NDF: 63.0/47

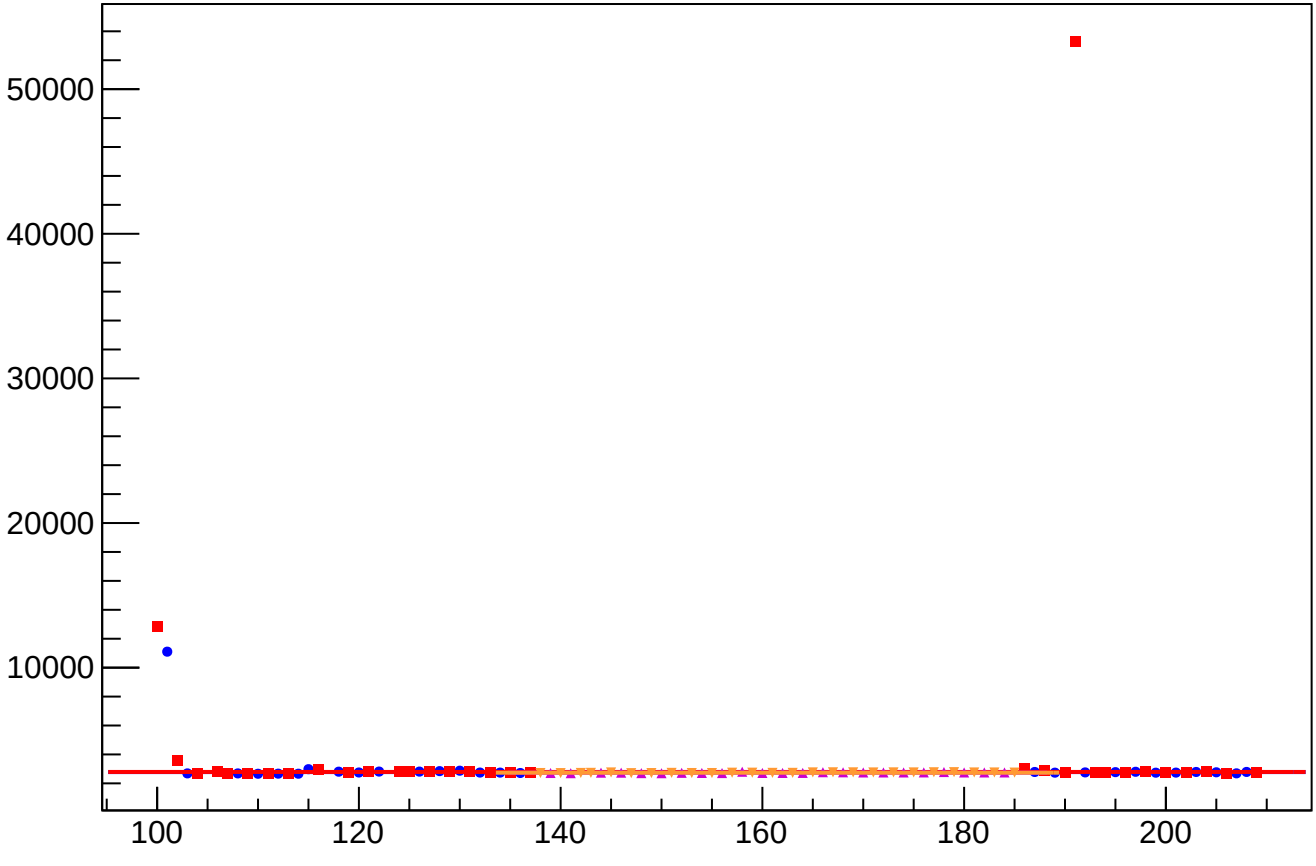
Right: 2498.268+/-490.025 χ^2/NDF: 43.0/58

In: 2296.177+/-474.259 χ^2/NDF:55.2/49

Out: 2673.155+/-458.919 χ^2/NDF:50.4/56

All: 2490.861+/-329.795 χ^2/NDF: 105.9/106

cor_asym_atr1_rms vs Slug, Sign Corrected



Right In: 2779.656+/-0.500 χ^2/NDF: 750456.3/26

Left Out: 2737.519+/-0.440 χ^2/NDF:2317.5/24

Right Out: 2789.016+/-0.481 χ^2/NDF: 481227.3/31

Left In: 2739.863+/-0.452 χ^2/NDF:3362.0/22

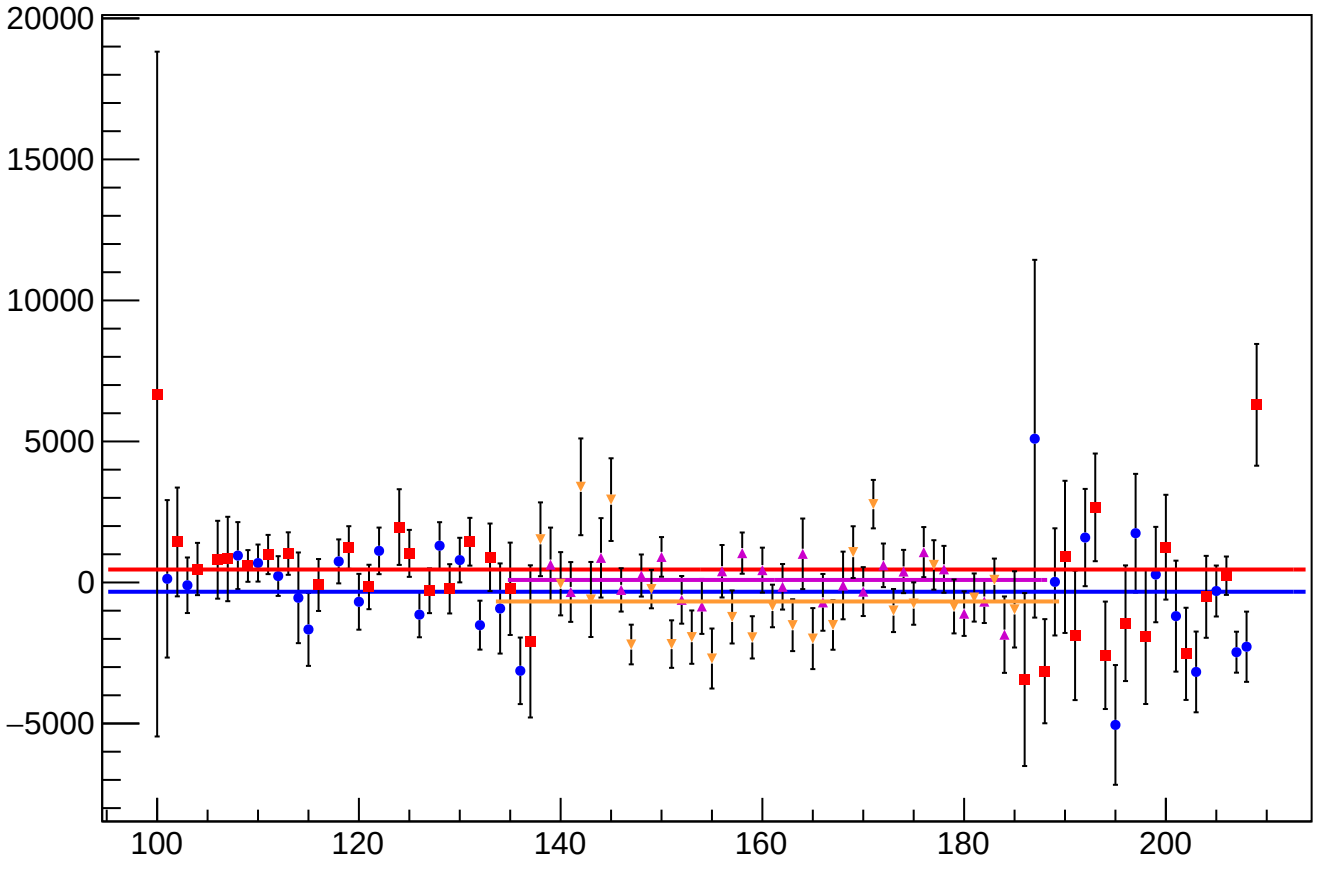
Left: 2738.658+/-0.315 χ^2/NDF: 5693.3/47

Right: 2784.515+/-0.346 χ^2/NDF: 1231865.8/58

In: 2757.786+/-0.335 χ^2/NDF:757303.8/49

Out: 2760.967+/-0.325 χ^2/NDF:489790.6/56

All: 2759.429+/-0.233 χ^2/NDF: 1247140.8/10



Right In: -329.106+/-202.887 χ^2/NDF: 48.3/26

Left Out: -673.608+/-181.230 χ^2/NDF:58.4/24

Right Out: 459.582+/-193.689 χ^2/NDF: 33.3/31

Left In: 89.643+/-183.492 χ^2/NDF:14.8/22

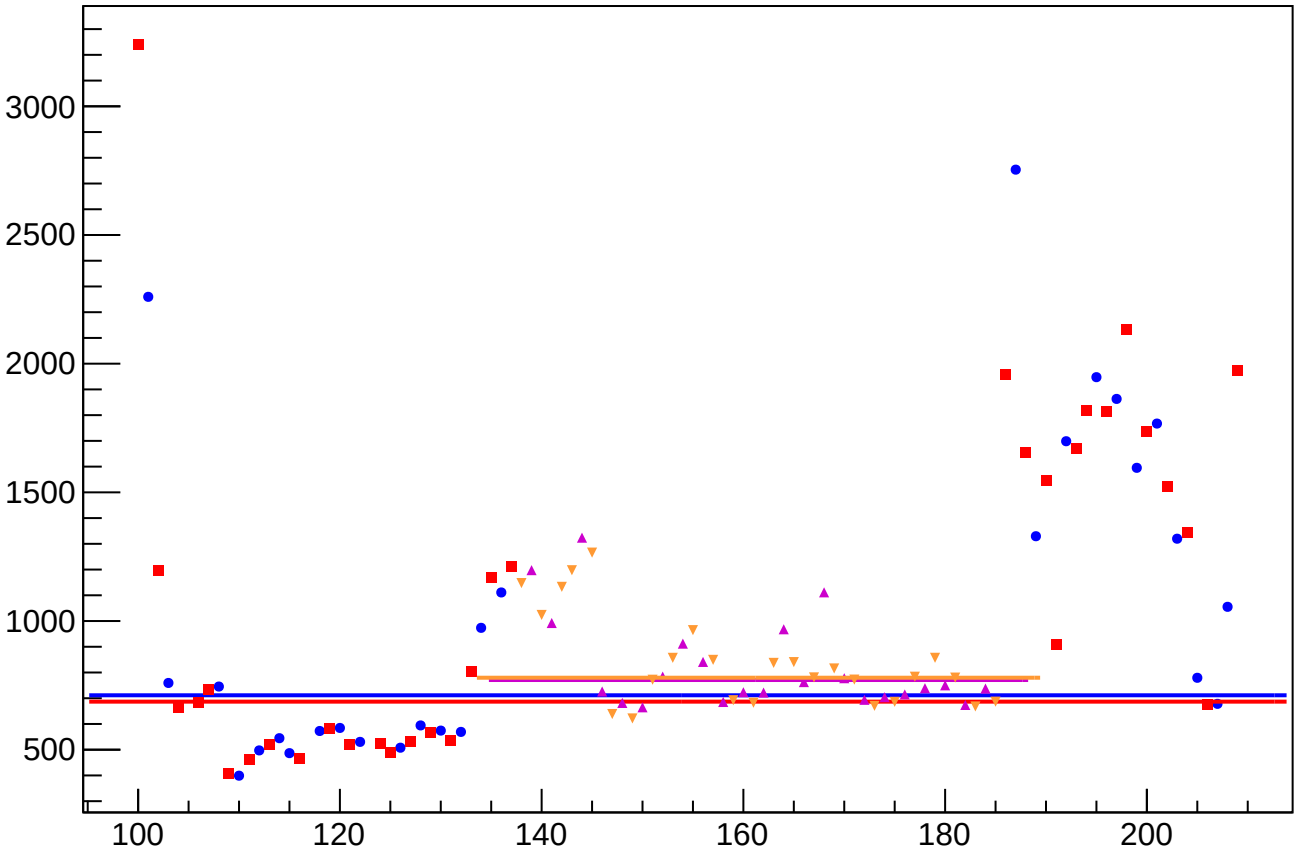
Left: -296.716+/-128.941 χ^2/NDF: 81.9/47

Right: 83.521+/-140.098 χ^2/NDF: 89.6/58

In: -98.764+/-136.090 χ^2/NDF:65.5/49

Out: -144.628+/-132.335 χ^2/NDF:109.9/56

All: -122.338+/-94.875 χ^2/NDF: 175.4/106



Right In: 711.465+/-0.143 χ^2/NDF: 6102409.7/26

Left Out: 779.713+/-0.128 χ^2/NDF:1243769.6/24

Right Out: 686.763+/-0.137 χ^2/NDF: 7838426.3/31

Left In: 770.799+/-0.130 χ^2/NDF:1076291.1/22

Left: 775.311+/-0.091 χ^2/NDF: 2322450.1/47

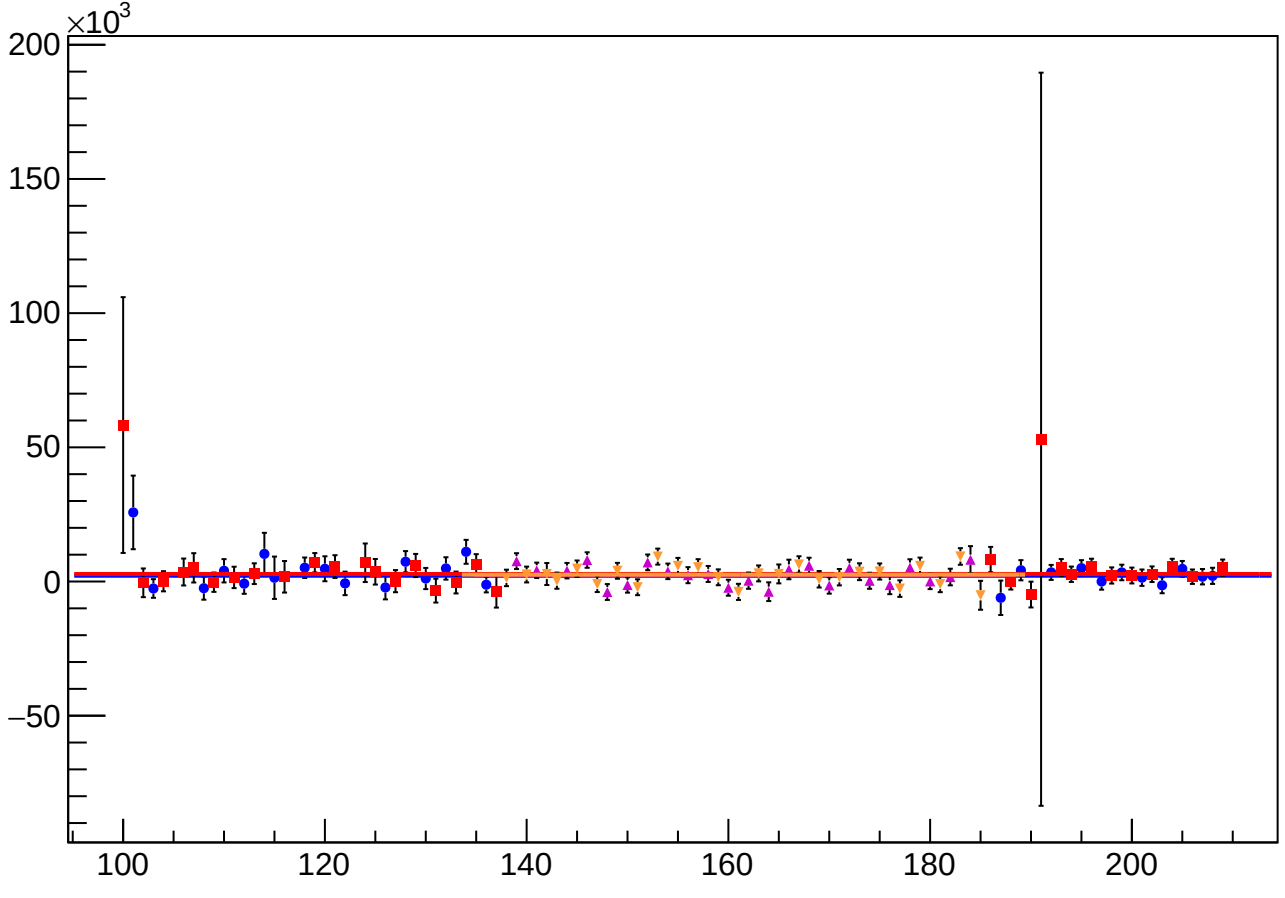
Right: 698.542+/-0.099 χ^2/NDF: 13956347.1/58

In: 744.103+/-0.096 χ^2/NDF:7272790.1/49

Out: 736.323+/-0.094 χ^2/NDF:9327781.3/56

All: 740.104+/-0.067 χ^2/NDF: 16603930.5/10

eigen_cor_asym_atr1_mean vs Slug, Sign Corrected



Right In: 2159.165+/-706.665 χ^2/NDF: 23.8/26

Left Out: 2556.787+/-621.829 χ^2/NDF:31.6/24

Right Out: 2812.353+/-680.097 χ^2/NDF: 18.8/31

Left In: 2408.461+/-639.726 χ^2/NDF:31.4/22

Left: 2484.728+/-445.893 χ^2/NDF: 63.0/47

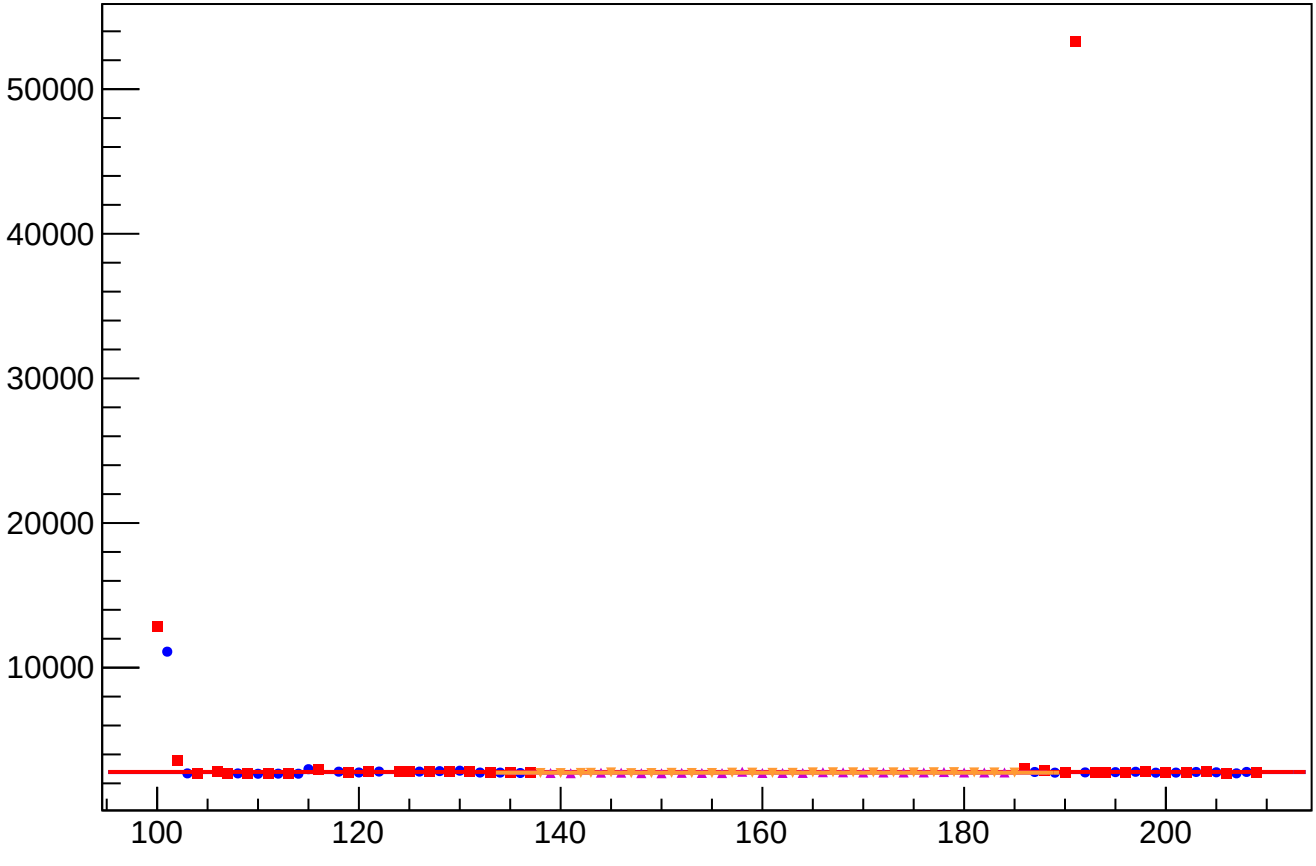
Right: 2498.268+/-490.025 χ^2/NDF: 43.0/58

In: 2296.177+/-474.259 χ^2/NDF:55.2/49

Out: 2673.155+/-458.919 χ^2/NDF:50.4/56

All: 2490.861+/-329.795 χ^2/NDF: 105.9/106

eigen_cor_asym_atr1_rms vs Slug, Sign Corrected



Right In: 2779.656+/-0.500 χ^2/NDF: 750456.3/26

Left Out: 2737.519+/-0.440 χ^2/NDF:2317.5/24

Right Out: 2789.016+/-0.481 χ^2/NDF: 481227.3/31

Left In: 2739.863+/-0.452 χ^2/NDF:3362.0/22

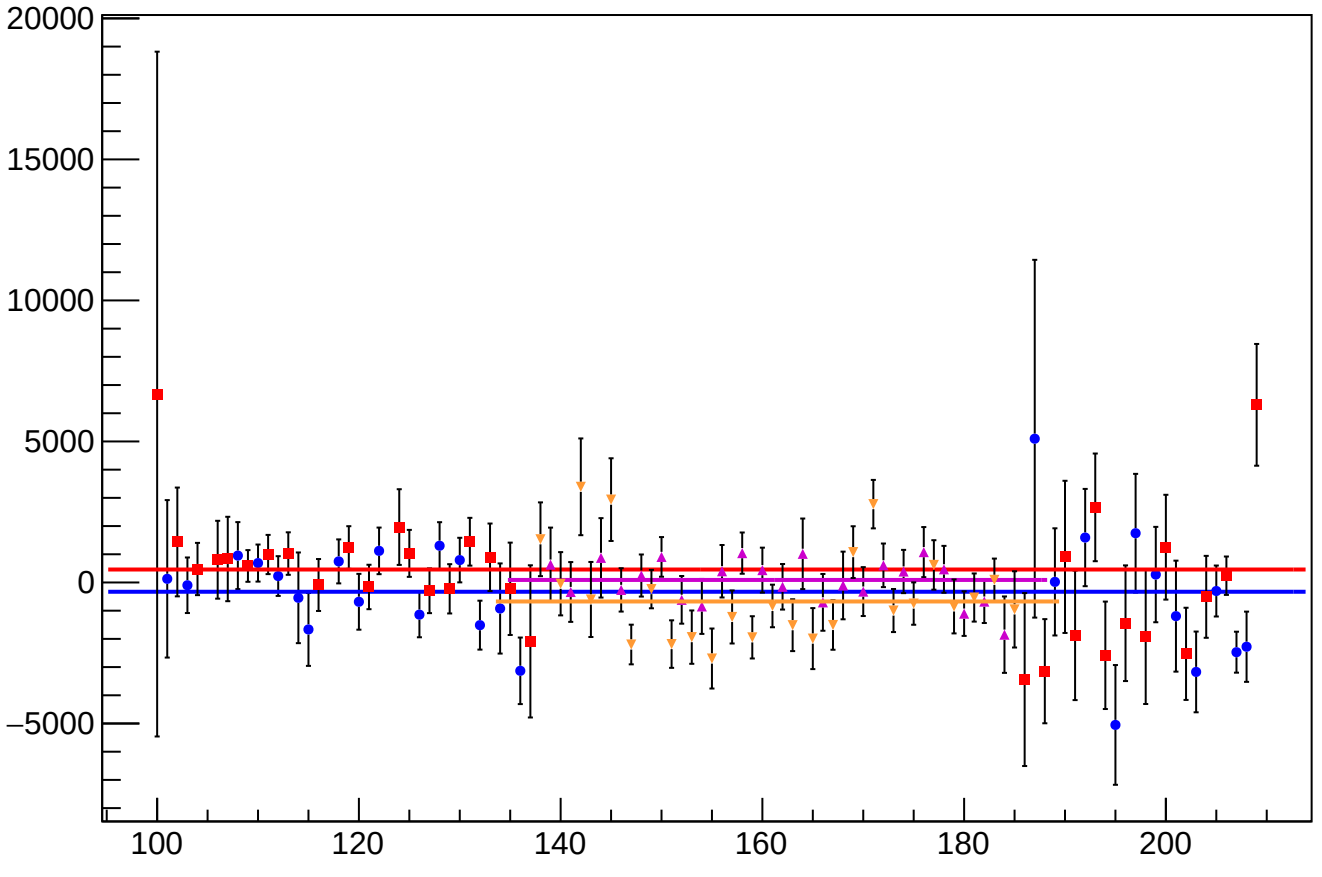
Left: 2738.658+/-0.315 χ^2/NDF: 5693.3/47

Right: 2784.515+/-0.346 χ^2/NDF: 1231865.8/58

In: 2757.786+/-0.335 χ^2/NDF:757303.8/49

Out: 2760.967+/-0.325 χ^2/NDF:489790.6/56

All: 2759.429+/-0.233 χ^2/NDF: 1247140.8/10



Right In: -329.106+/-202.887 χ^2/NDF: 48.3/26

Left Out: -673.608+/-181.230 χ^2/NDF:58.4/24

Right Out: 459.582+/-193.689 χ^2/NDF: 33.3/31

Left In: 89.643+/-183.492 χ^2/NDF:14.8/22

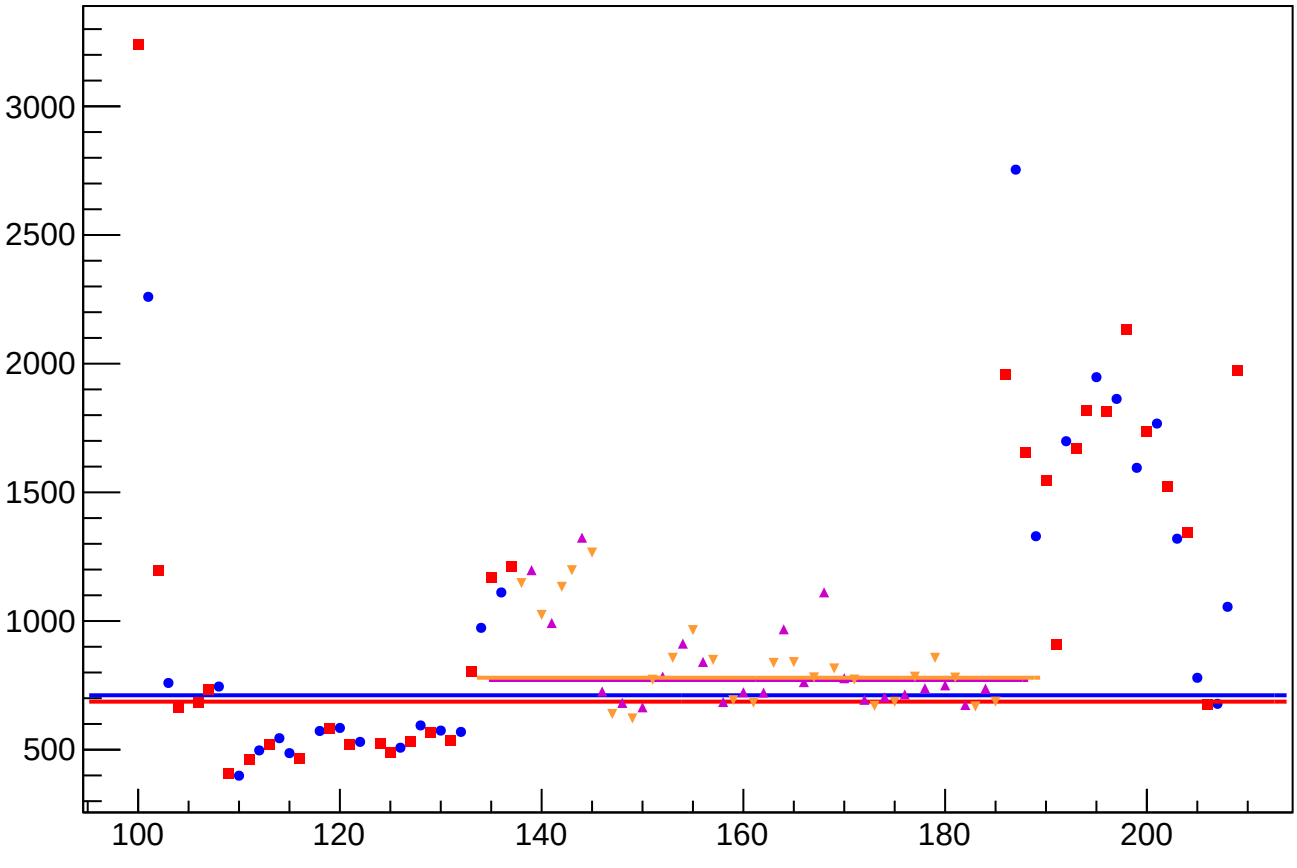
Left: -296.716+/-128.941 χ^2/NDF: 81.9/47

Right: 83.521+/-140.098 χ^2/NDF: 89.6/58

In: -98.764+/-136.090 χ^2/NDF:65.5/49

Out: -144.628+/-132.335 χ^2/NDF:109.9/56

All: -122.338+/-94.875 χ^2/NDF: 175.4/106



Right In: 711.465+/-0.143 χ^2/NDF: 6102409.7/26

Left Out: 779.713+/-0.128 χ^2/NDF:1243769.6/24

Right Out: 686.763+/-0.137 χ^2/NDF: 7838426.3/31

Left In: 770.799+/-0.130 χ^2/NDF:1076291.1/22

Left: 775.311+/-0.091 χ^2/NDF: 2322450.1/47

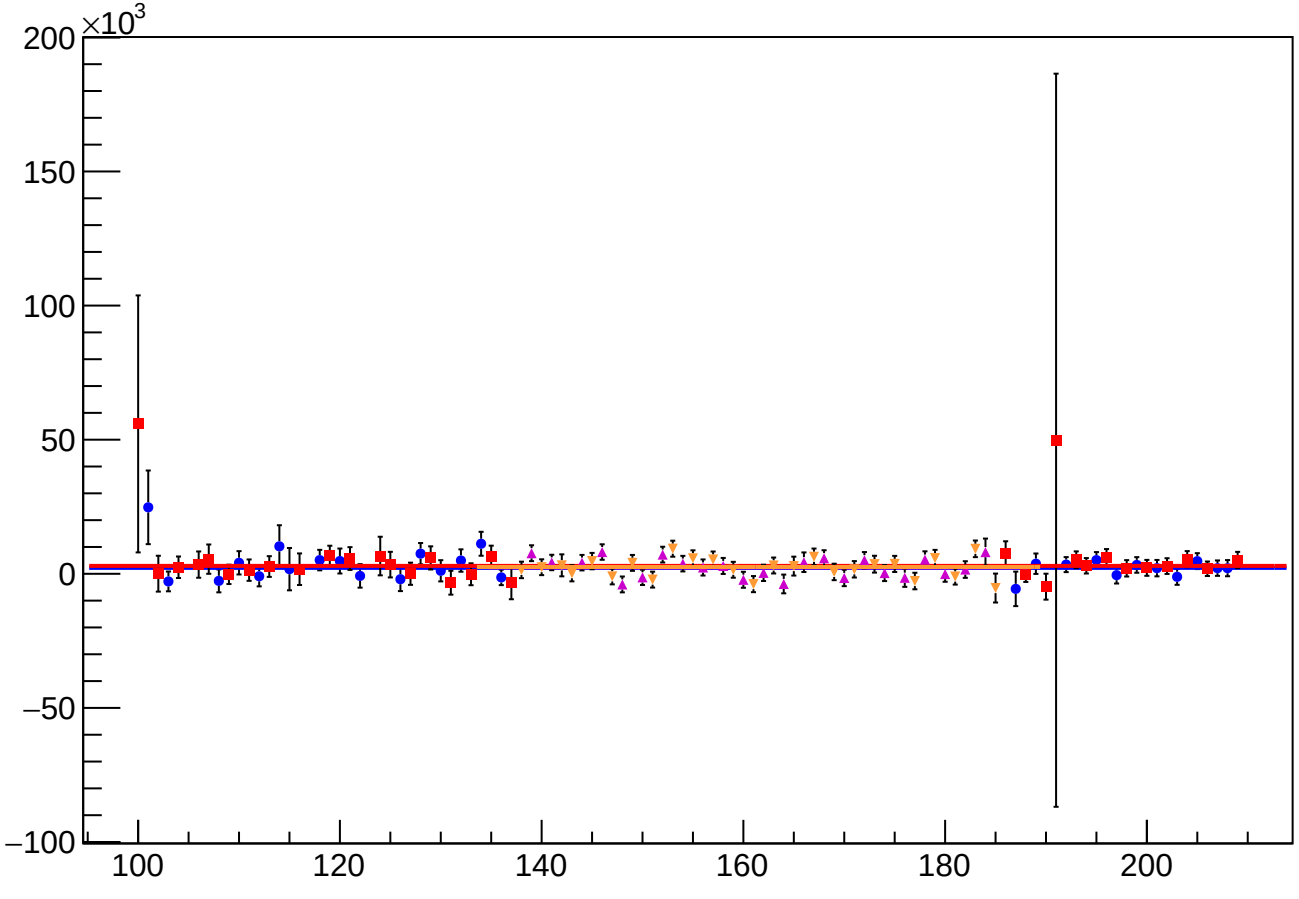
Right: 698.542+/-0.099 χ^2/NDF: 13956347.1/58

In: 744.103+/-0.096 χ^2/NDF:7272790.1/49

Out: 736.323+/-0.094 χ^2/NDF:9327781.3/56

All: 740.104+/-0.067 χ^2/NDF: 16603930.5/10

dit_asym_atr1_mean vs Slug, Sign Corrected



Right In: 2213.538+/-710.599 χ^2/NDF: 23.5/26

Left Out: 2545.043+/-622.236 χ^2/NDF:31.9/24

Right Out: 2951.469+/-685.472 χ^2/NDF: 17.7/31

Left In: 2406.858+/-640.084 χ^2/NDF:31.8/22

Left: 2477.904+/-446.164 χ^2/NDF: 63.7/47

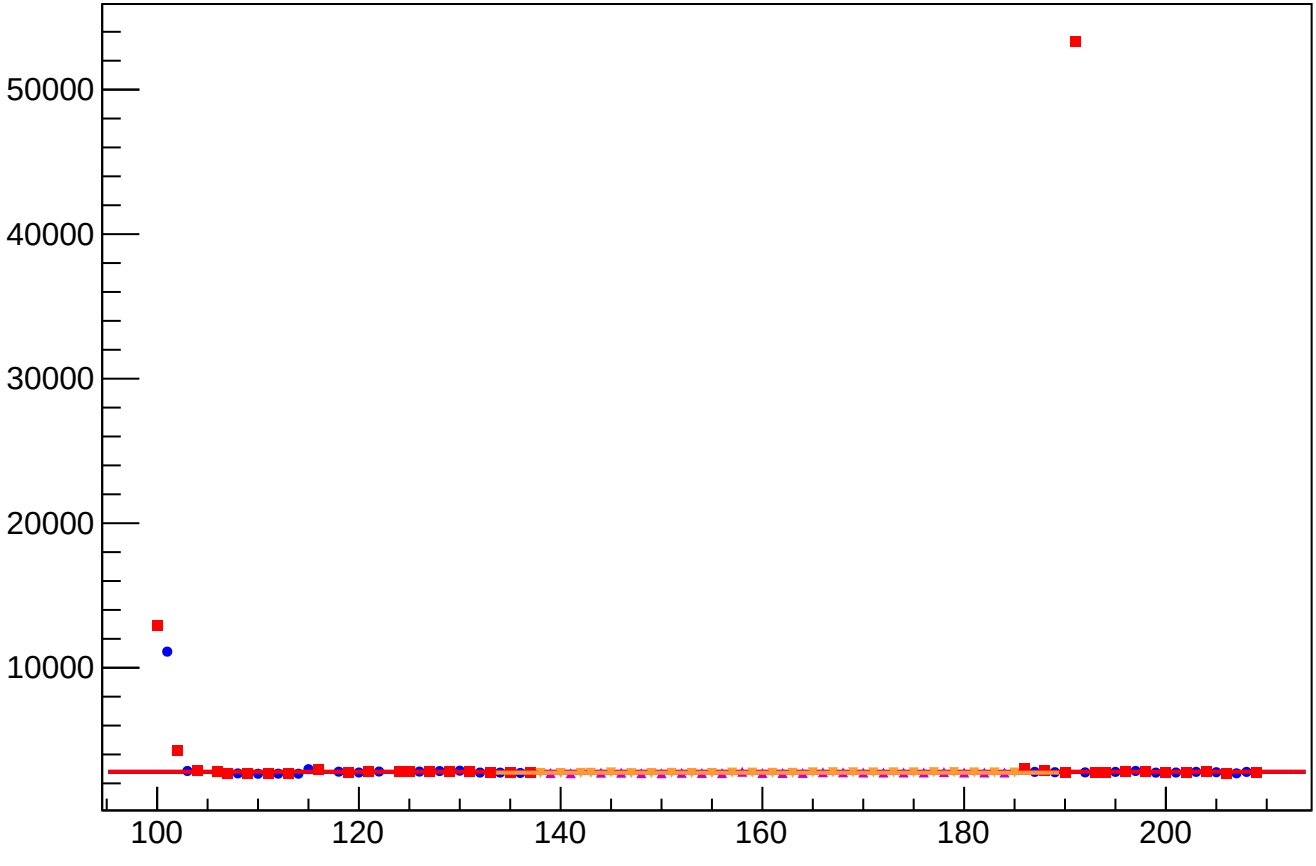
Right: 2595.780+/-493.346 χ^2/NDF: 41.8/58

In: 2320.263+/-475.589 χ^2/NDF:55.4/49

Out: 2728.648+/-460.725 χ^2/NDF:49.8/56

All: 2530.937+/-330.912 χ^2/NDF: 105.6/106

dit_asym_atr1_rms vs Slug, Sign Corrected



Right In: 2794.964+/-0.502 χ^2/NDF: 750079.6/26

Left Out: 2739.304+/-0.440 χ^2/NDF:2322.3/24

Right Out: 2805.175+/-0.485 χ^2/NDF: 534885.4/31

Left In: 2741.391+/-0.453 χ^2/NDF:3369.6/22

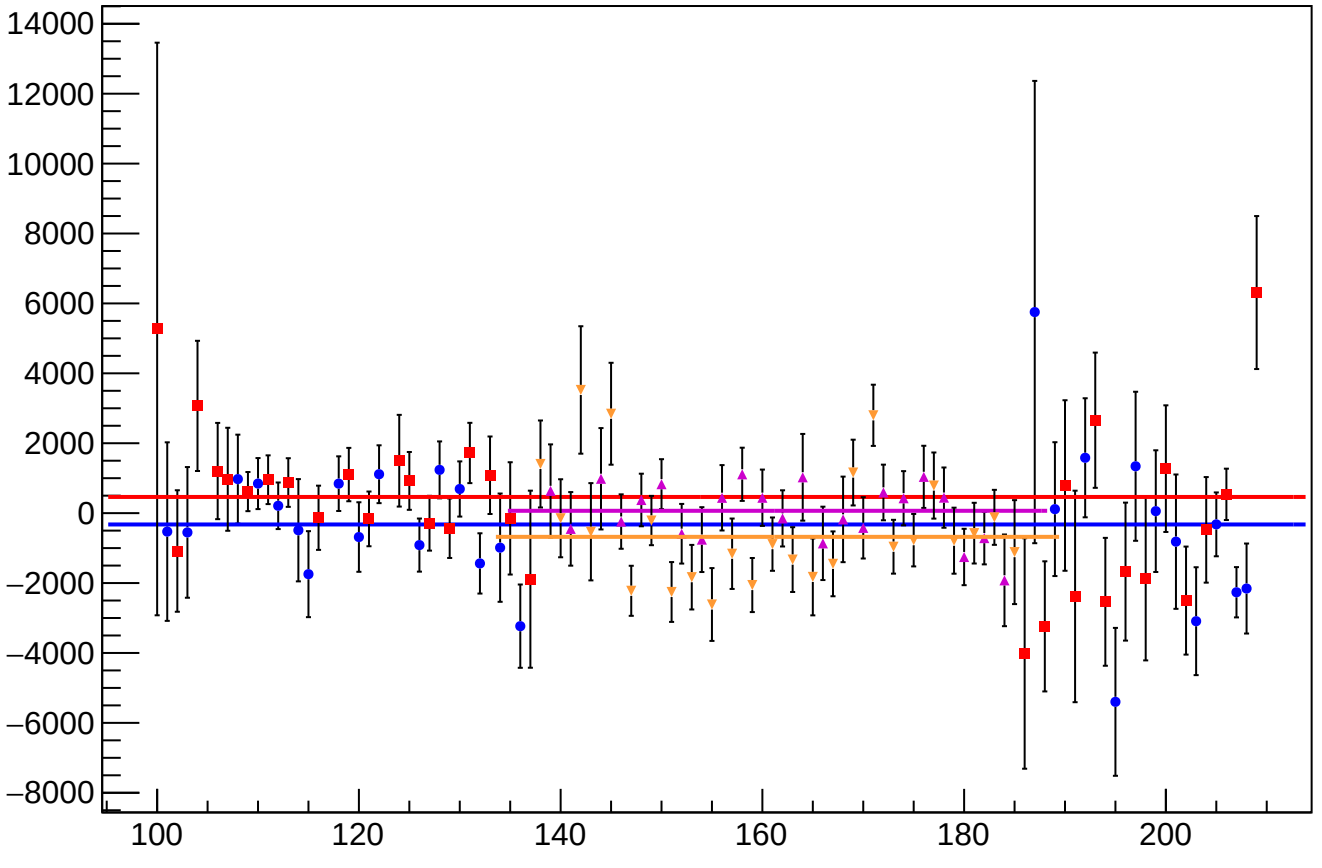
Left: 2740.318+/-0.315 χ^2/NDF: 5702.8/47

Right: 2800.253+/-0.349 χ^2/NDF: 1285178.9/58

In: 2765.388+/-0.336 χ^2/NDF:759724.9/49

Out: 2769.062+/-0.326 χ^2/NDF:547333.2/56

All: 2767.283+/-0.234 χ^2/NDF: 1307119.7/10



Right In: -323.958+/-205.959 χ^2/NDF: 45.9/26

Left Out: -678.226+/-185.004 χ^2/NDF:56.2/24

Right Out: 463.159+/-195.727 χ^2/NDF: 36.9/31

Left In: 67.156+/-185.436 χ^2/NDF:15.8/22

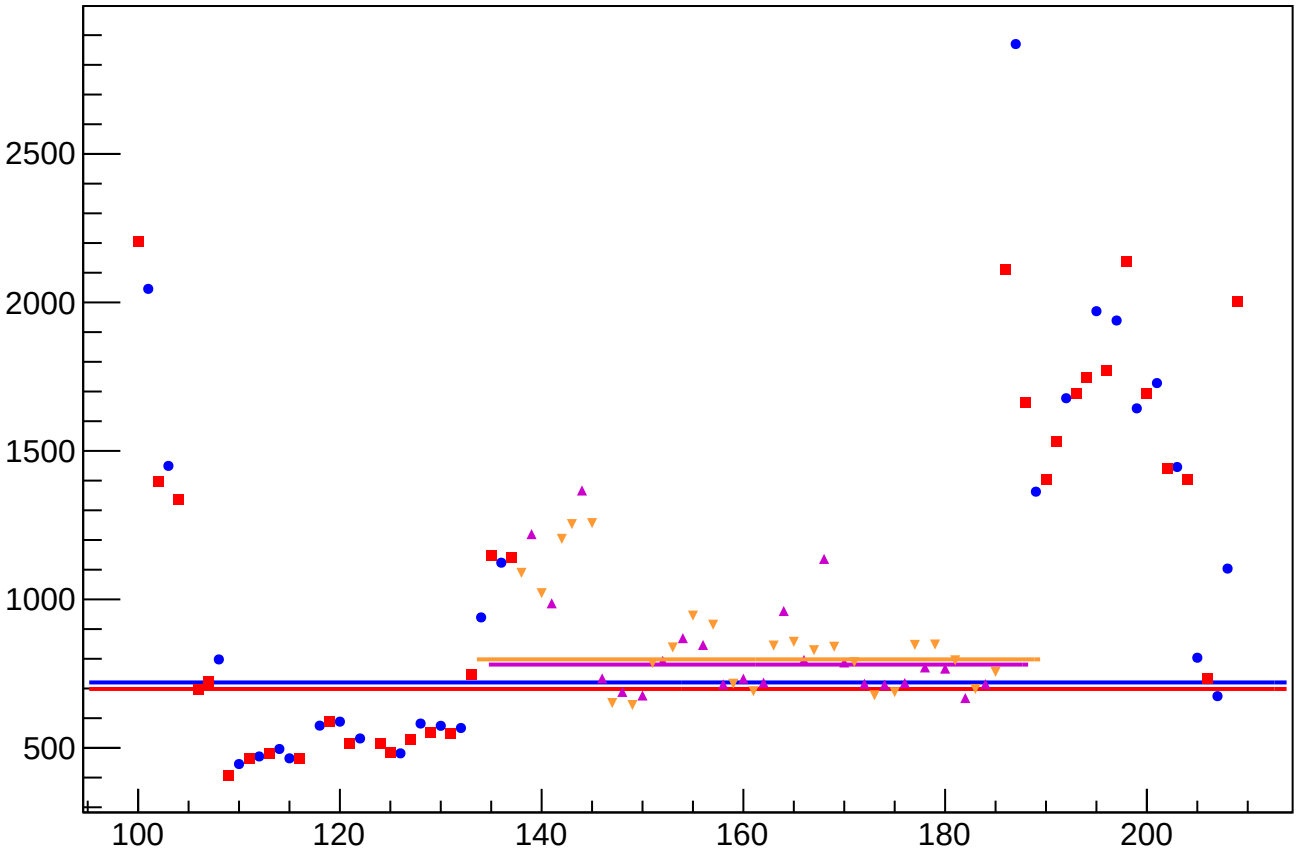
Left: -306.403+/-130.970 χ^2/NDF: 80.1/47

Right: 89.637+/-141.879 χ^2/NDF: 90.4/58

In: -107.949+/-137.809 χ^2/NDF:63.7/49

Out: -139.652+/-134.449 χ^2/NDF:111.0/56

All: -124.192+/-96.236 χ^2/NDF: 174.8/106



Right In: 720.355+/-0.146 χ^2/NDF: 6587841.5/26

Left Out: 798.091+/-0.131 χ^2/NDF:1168352.1/24

Right Out: 698.413+/-0.138 χ^2/NDF: 8440420.2/31

Left In: 780.525+/-0.131 χ^2/NDF:1064827.5/22

Left: 789.329+/-0.093 χ^2/NDF: 2242174.0/47

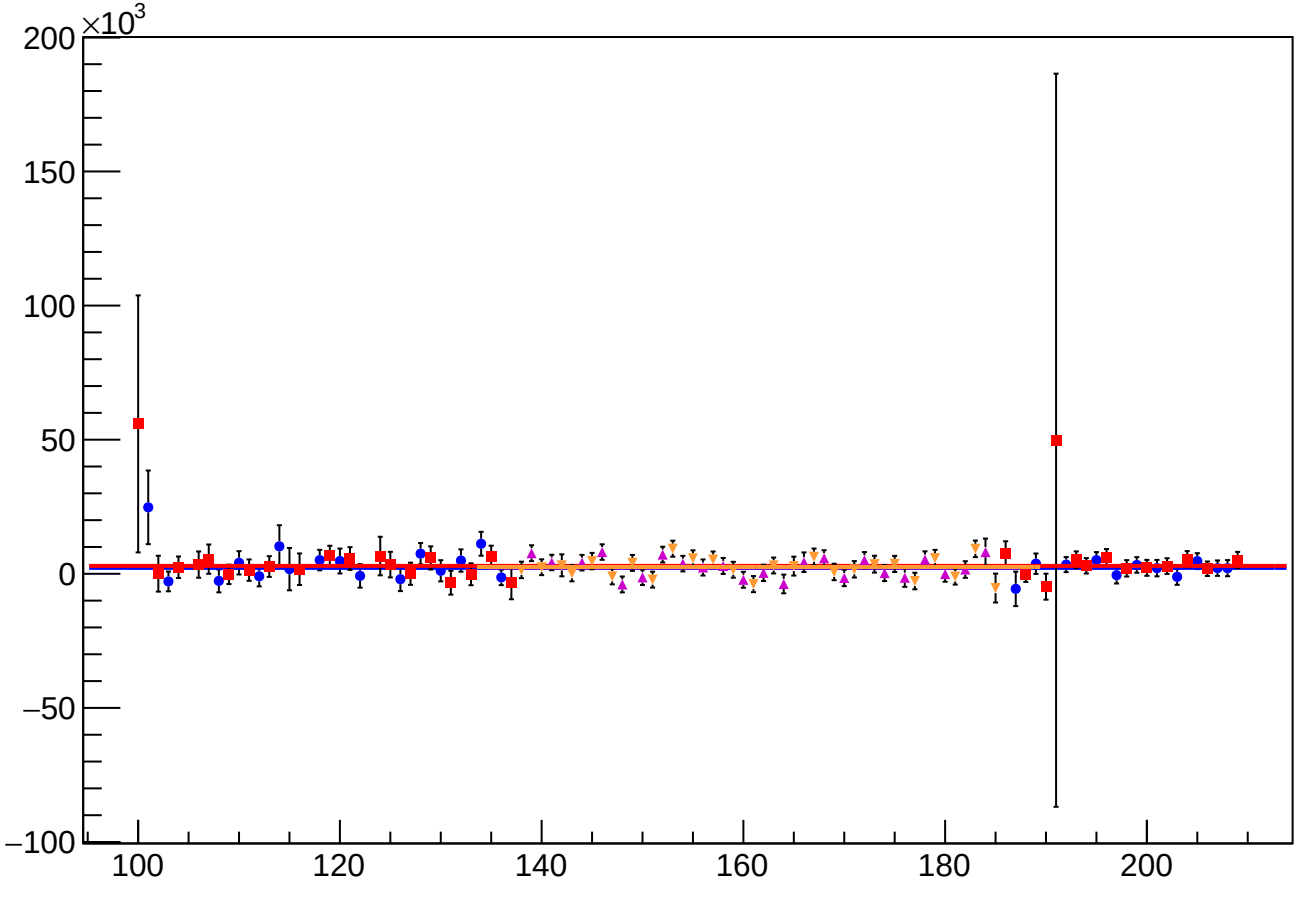
Right: 708.825+/-0.100 χ^2/NDF: 15040188.6/58

In: 753.586+/-0.097 χ^2/NDF:7746947.1/49

Out: 751.057+/-0.095 χ^2/NDF:9882726.8/56

All: 752.291+/-0.068 χ^2/NDF: 17630019.0/10

eigen_dit_asym_atr1_mean vs Slug, Sign Corrected



Right In: 2213.538+/-710.599 χ^2/NDF: 23.5/26

Left Out: 2545.044+/-622.236 χ^2/NDF:31.9/24

Right Out: 2951.466+/-685.472 χ^2/NDF: 17.7/31

Left In: 2406.858+/-640.084 χ^2/NDF:31.8/22

Left: 2477.904+/-446.164 χ^2/NDF: 63.7/47

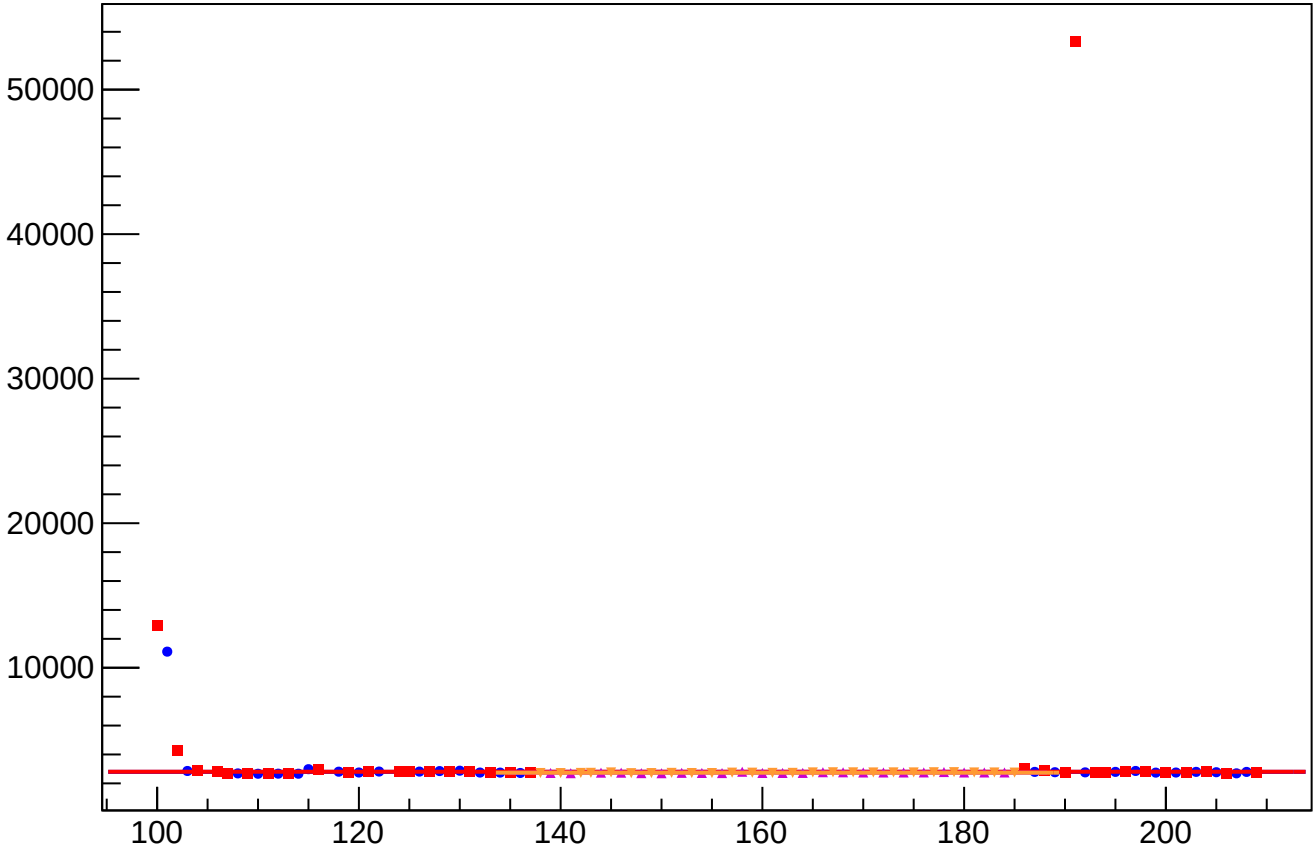
Right: 2595.779+/-493.346 χ^2/NDF: 41.8/58

In: 2320.263+/-475.589 χ^2/NDF:55.4/49

Out: 2728.648+/-460.725 χ^2/NDF:49.8/56

All: 2530.937+/-330.912 χ^2/NDF: 105.6/106

eigen_dit_asym_atr1_rms vs Slug, Sign Corrected



Right In: 2794.964+/-0.502 χ^2/NDF: 750079.6/26

Left Out: 2739.304+/-0.440 χ^2/NDF:2322.3/24

Right Out: 2805.175+/-0.485 χ^2/NDF: 534885.2/31

Left In: 2741.391+/-0.453 χ^2/NDF:3369.6/22

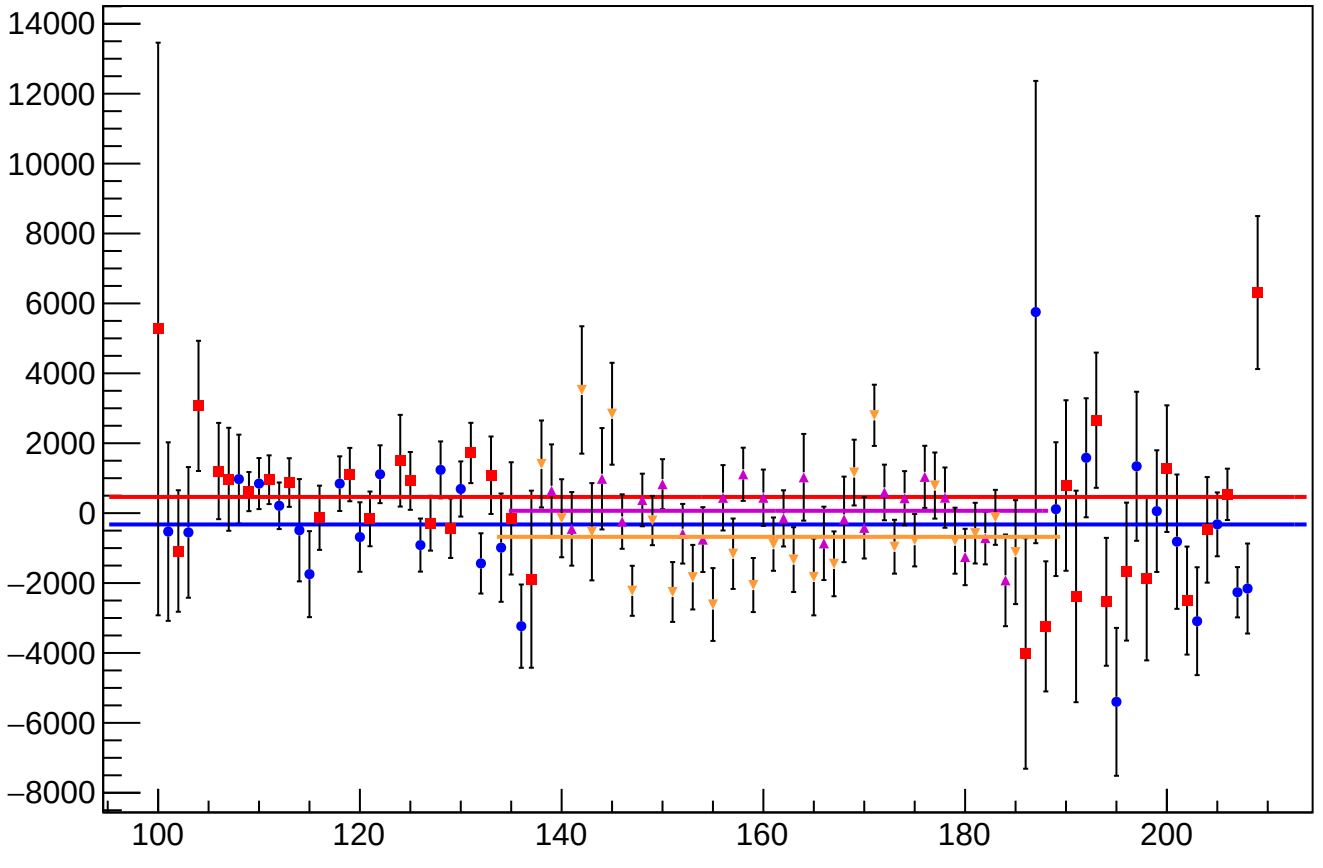
Left: 2740.318+/-0.315 χ^2/NDF: 5702.8/47

Right: 2800.253+/-0.349 χ^2/NDF: 1285178.7/58

In: 2765.388+/-0.336 χ^2/NDF:759724.9/49

Out: 2769.062+/-0.326 χ^2/NDF:547333.0/56

All: 2767.283+/-0.234 χ^2/NDF: 1307119.5/10



Right In: -323.958+/-205.959 χ^2/NDF: 45.9/26

Left Out: -678.227+/-185.004 χ^2/NDF:56.2/24

Right Out: 463.160+/-195.727 χ^2/NDF: 36.9/31

Left In: 67.157+/-185.436 χ^2/NDF:15.8/22

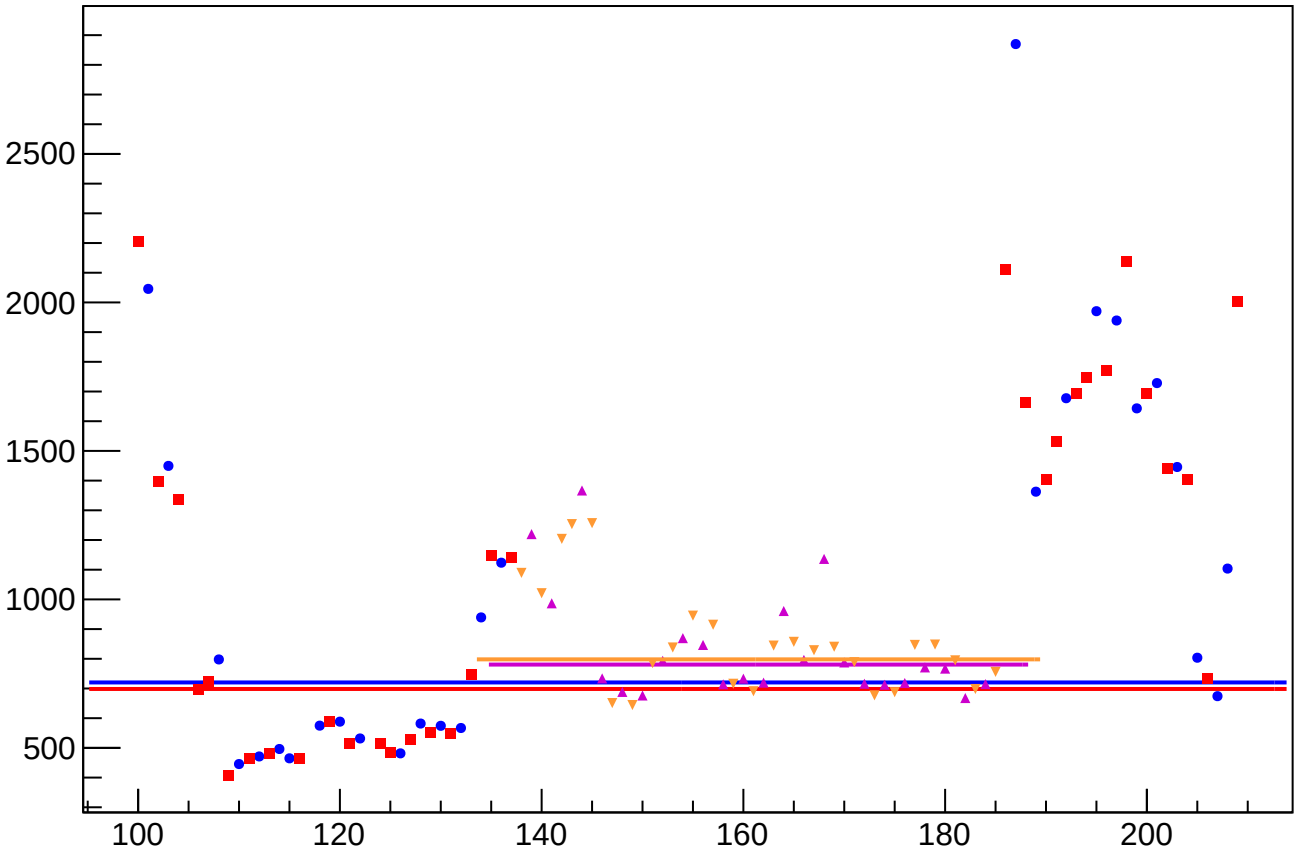
Left: -306.403+/-130.970 χ^2/NDF: 80.1/47

Right: 89.638+/-141.879 χ^2/NDF: 90.4/58

In: -107.948+/-137.809 χ^2/NDF:63.7/49

Out: -139.652+/-134.449 χ^2/NDF:111.0/56

All: -124.192+/-96.236 χ^2/NDF: 174.8/106



Right In: 720.355+/-0.146 χ^2/NDF: 6587839.3/26

Left Out: 798.092+/-0.131 χ^2/NDF:1168353.9/24

Right Out: 698.414+/-0.138 χ^2/NDF: 8440425.0/31

Left In: 780.525+/-0.131 χ^2/NDF:1064830.7/22

Left: 789.329+/-0.093 χ^2/NDF: 2242179.2/47

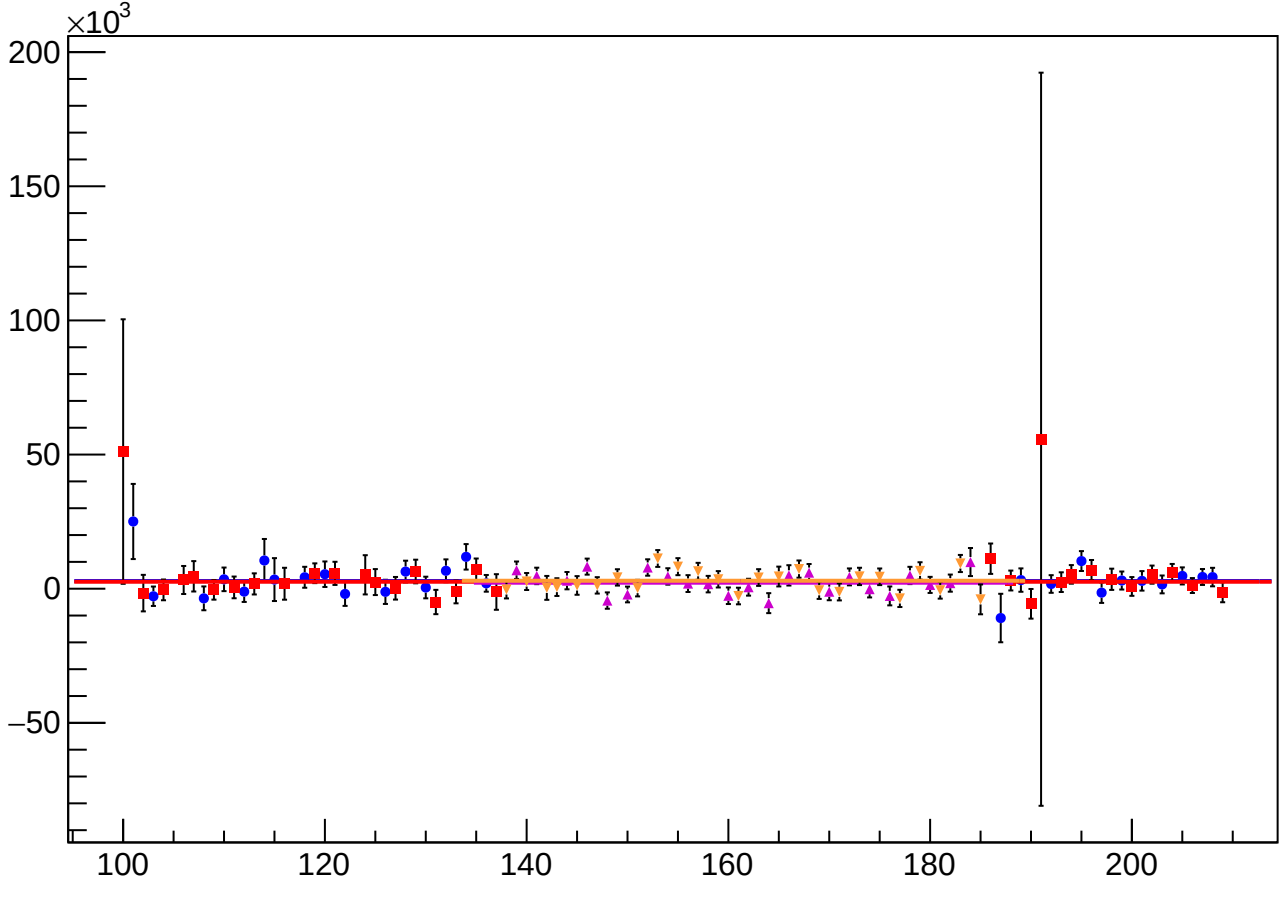
Right: 708.826+/-0.100 χ^2/NDF: 15040191.4/58

In: 753.587+/-0.097 χ^2/NDF:7746945.9/49

Out: 751.057+/-0.095 χ^2/NDF:9882732.7/56

All: 752.291+/-0.068 χ^2/NDF: 17630023.7/10

asym_atr1_mean vs Slug, Sign Corrected



Right In: 2850.146+/-774.431 χ^2/NDF: 25.8/26

Left Out: 2969.337+/-653.286 χ^2/NDF:35.7/24

Right Out: 2603.909+/-754.900 χ^2/NDF: 20.5/31

Left In: 2237.495+/-670.327 χ^2/NDF:33.8/22

Left: 2612.837+/-467.852 χ^2/NDF: 70.1/47

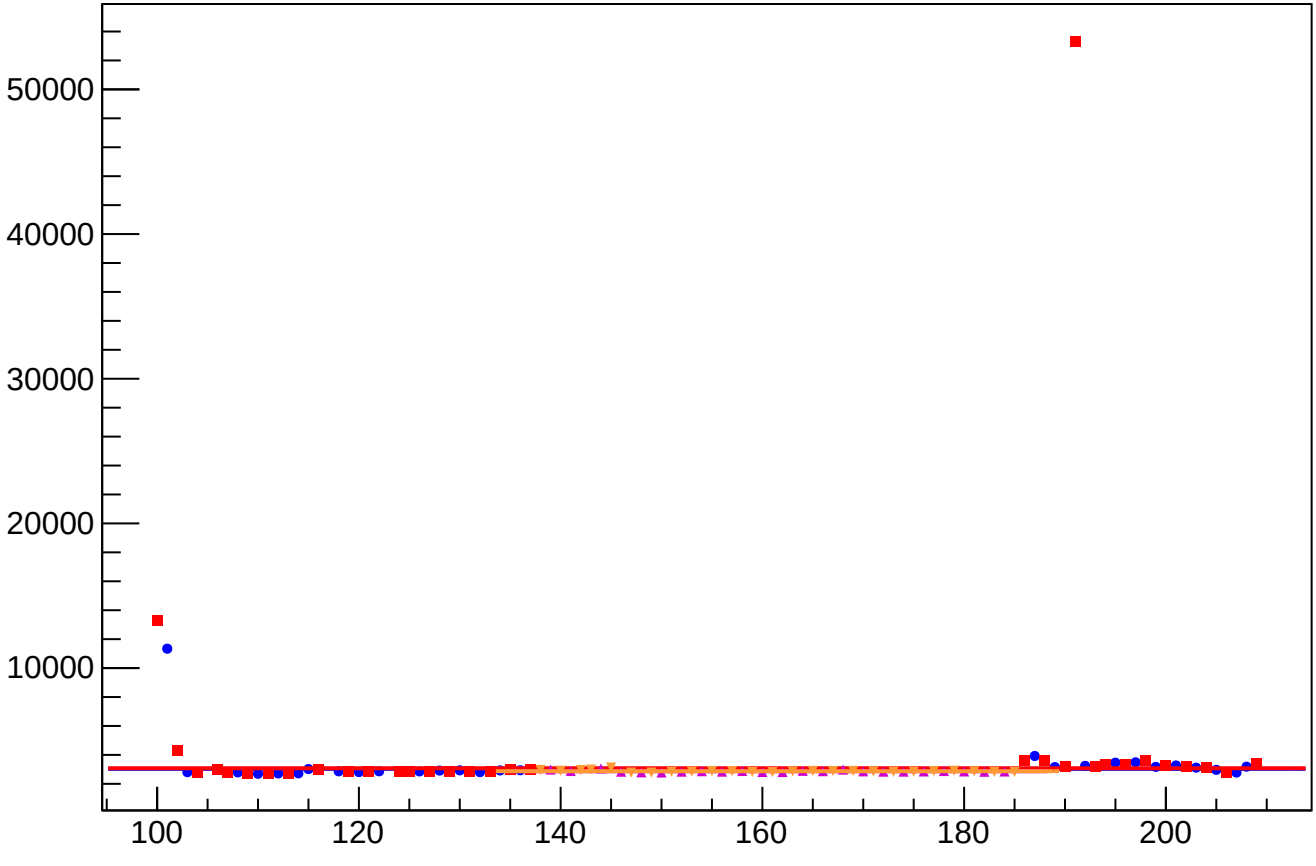
Right: 2723.883+/-540.568 χ^2/NDF: 46.3/58

In: 2499.903+/-506.833 χ^2/NDF:59.9/49

Out: 2812.855+/-493.992 χ^2/NDF:56.4/56

All: 2660.394+/-353.758 χ^2/NDF: 116.5/106

asym_atr1_rms vs Slug, Sign Corrected



Right In: 3036.401+/-0.548 χ^2/NDF: 887273.0/26

Left Out: 2874.933+/-0.462 χ^2/NDF:21788.8/24

Right Out: 3074.361+/-0.534 χ^2/NDF: 750924.5/31

Left In: 2870.153+/-0.474 χ^2/NDF:17687.5/22

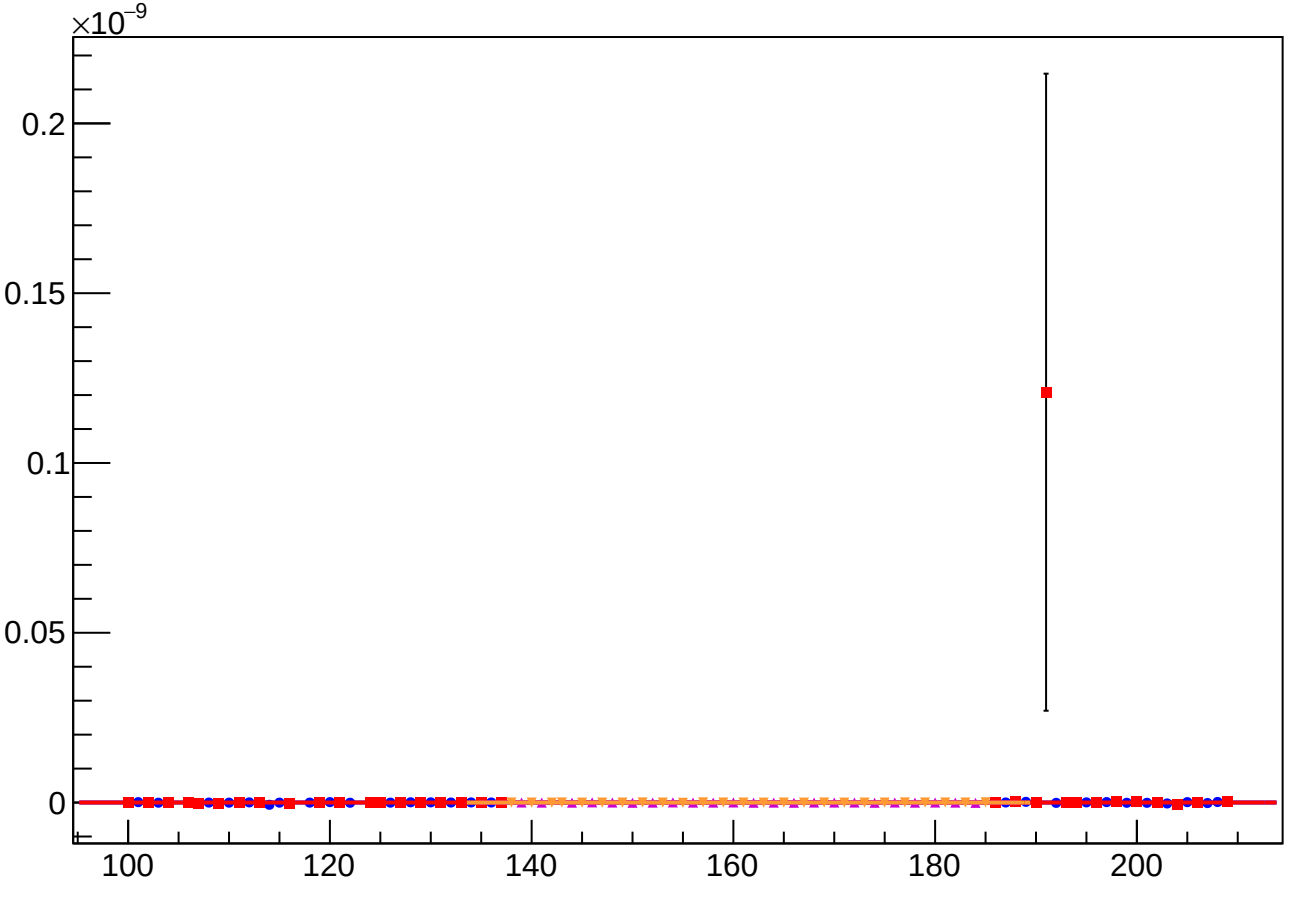
Left: 2872.605+/-0.331 χ^2/NDF: 39528.5/47

Right: 3055.866+/-0.382 χ^2/NDF: 1640661.6/58

In: 2941.359+/-0.358 χ^2/NDF:957651.0/49

Out: 2960.331+/-0.349 χ^2/NDF:852523.6/56

All: 2951.089+/-0.250 χ^2/NDF: 1811611.7/10



Right In: 0.000+/-0.000 χ^2/NDF: 23.6/26

Left Out: 0.000+/-0.000 χ^2/NDF:14.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 40.8/31

Left In: -0.000+/-0.000 χ^2/NDF:27.9/22

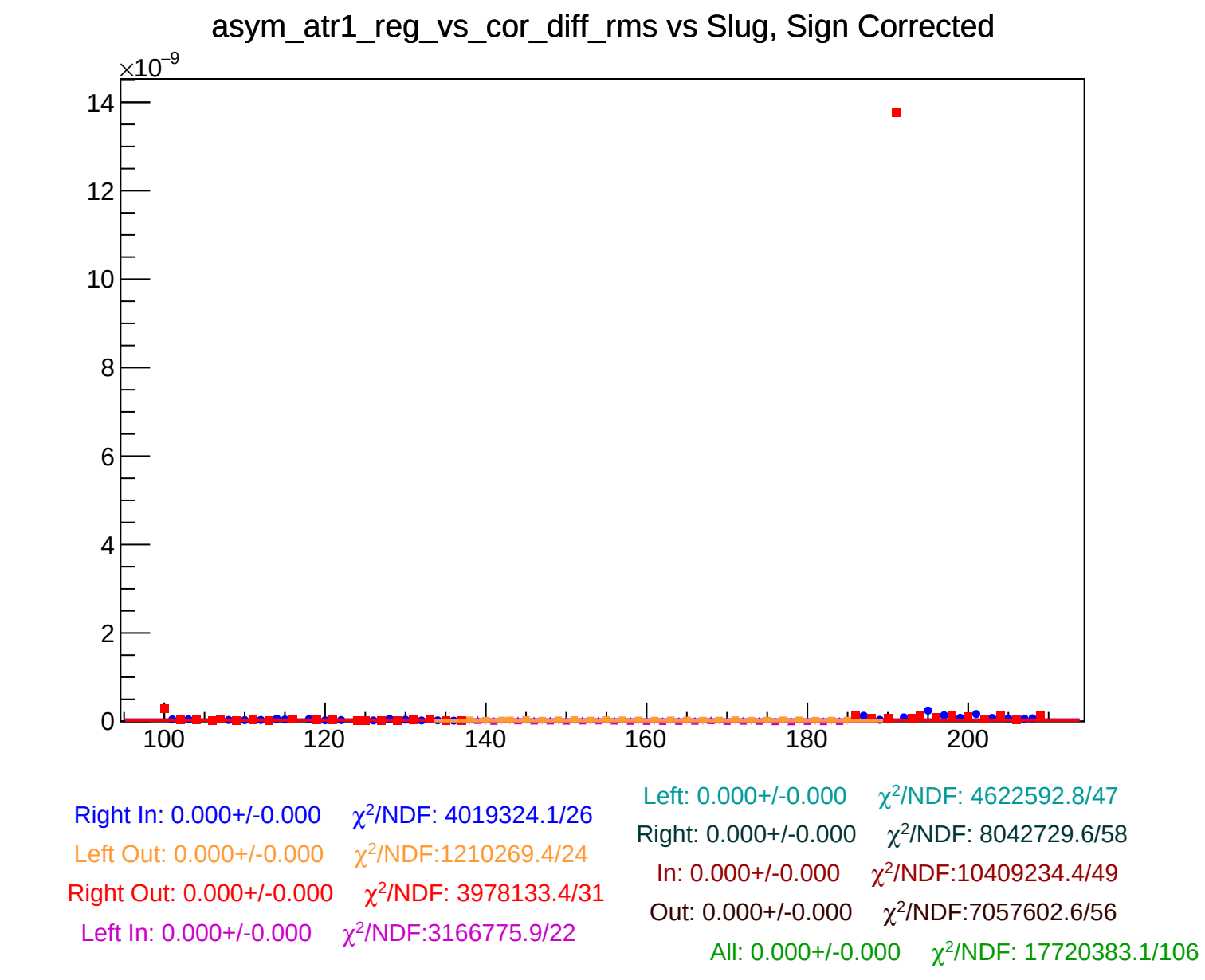
Left: -0.000+/-0.000 χ^2/NDF: 43.3/47

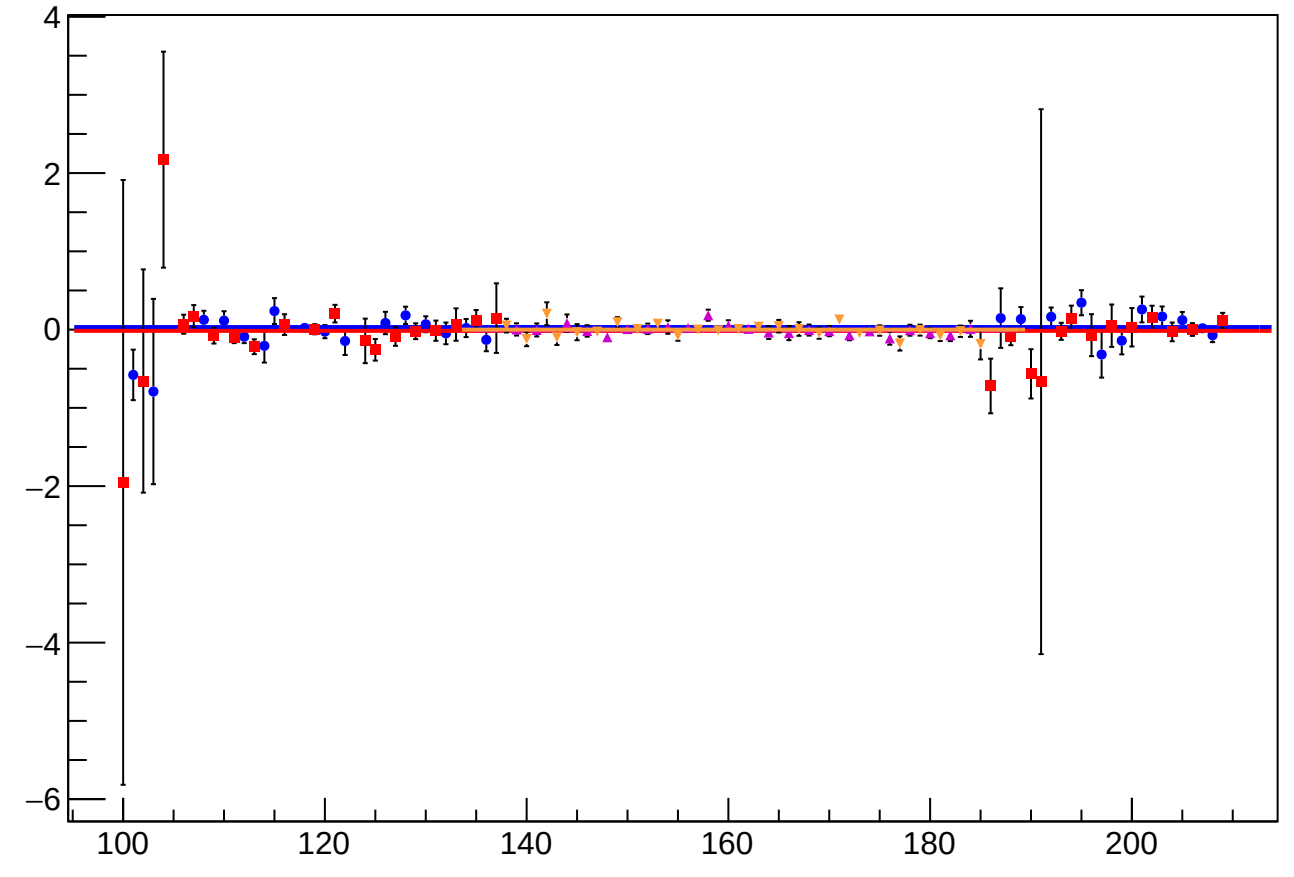
Right: 0.000+/-0.000 χ^2/NDF: 64.5/58

In: -0.000+/-0.000 χ^2/NDF:53.8/49

Out: 0.000+/-0.000 χ^2/NDF:55.8/56

All: -0.000+/-0.000 χ^2/NDF: 110.4/106


asym_atr1_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
14
12
10
8
6
4
2
0
100
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 4019324.1/26
Left Out: 0.000+/-0.000 χ²/NDF:1210269.4/24
Right Out: 0.000+/-0.000 χ²/NDF: 3978133.4/31
Left In: 0.000+/-0.000 χ²/NDF:3166775.9/22
Left: 0.000+/-0.000 χ²/NDF: 4622592.8/47
Right: 0.000+/-0.000 χ²/NDF: 8042729.6/58
In: 0.000+/-0.000 χ²/NDF:10409234.4/49
Out: 0.000+/-0.000 χ²/NDF:7057602.6/56
All: 0.000+/-0.000 χ²/NDF: 17720383.1/106



Right In: 0.033+/-0.022 χ^2/NDF: 28.5/26

Left Out: -0.000+/-0.014 χ^2/NDF:22.6/24

Right Out: -0.016+/-0.023 χ^2/NDF: 32.5/31

Left In: -0.008+/-0.015 χ^2/NDF:15.5/22

Left: -0.004+/-0.010 χ^2/NDF: 38.2/47

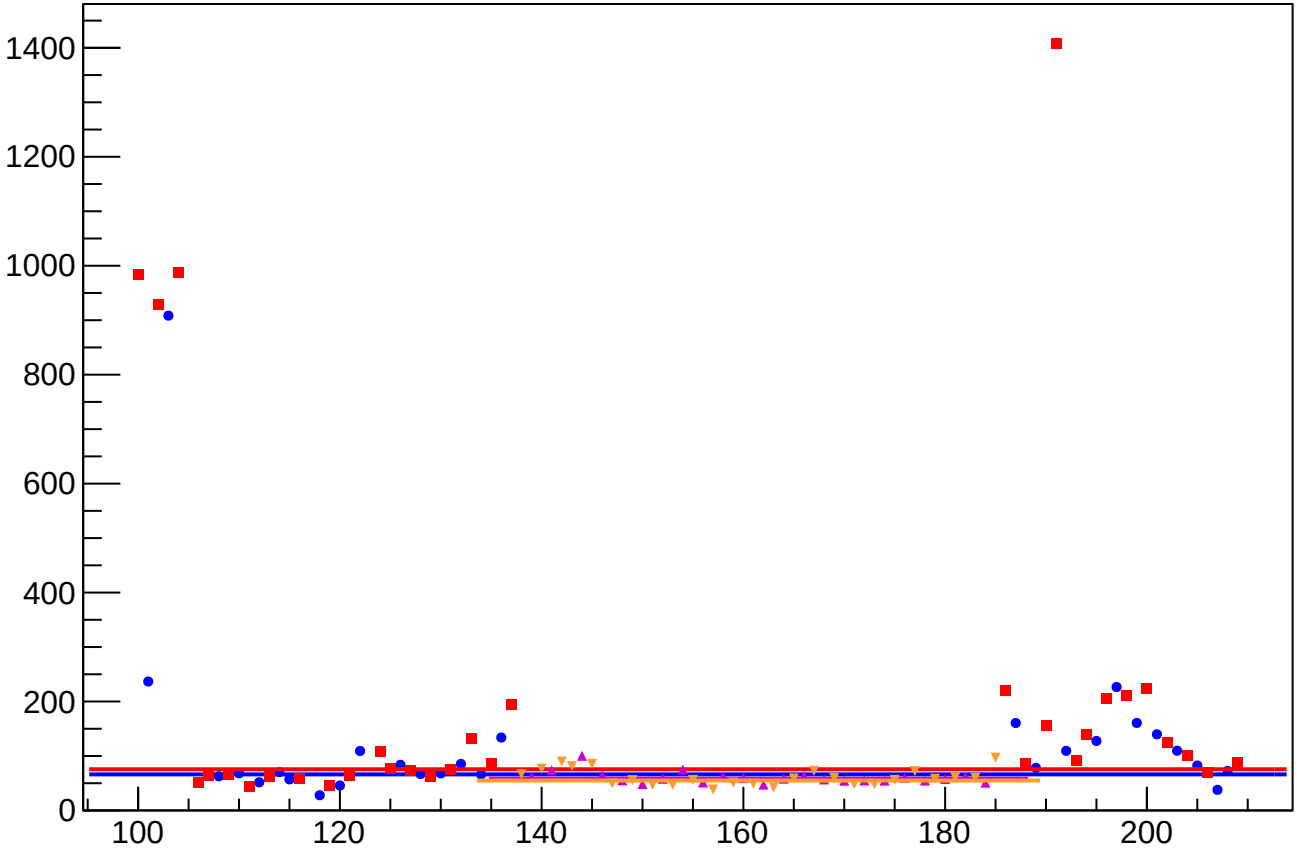
Right: 0.009+/-0.016 χ^2/NDF: 63.4/58

In: 0.005+/-0.012 χ^2/NDF:46.4/49

Out: -0.005+/-0.012 χ^2/NDF:55.5/56

All: -0.000+/-0.009 χ^2/NDF: 102.2/106

asym_atr1_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 66.202+/-0.015 χ^2/NDF: 6485174.8/26

Left Out: 54.931+/-0.010 χ^2/NDF:1297647.2/24

Right Out: 75.631+/-0.016 χ^2/NDF: 6264700.1/31

Left In: 58.138+/-0.010 χ^2/NDF:657436.9/22

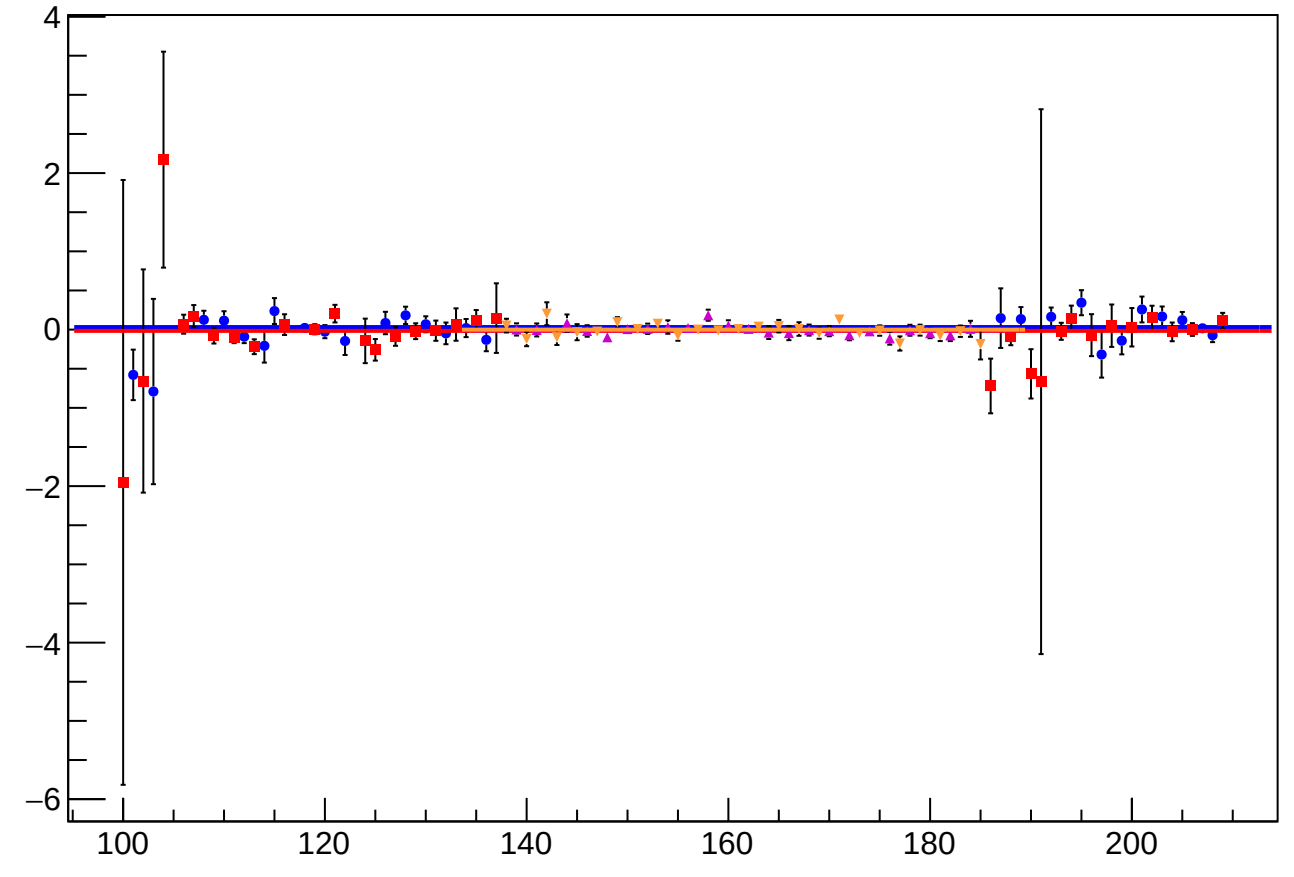
Left: 56.452+/-0.007 χ^2/NDF: 2004214.4/47

Right: 70.661+/-0.011 χ^2/NDF: 12928786.1/58

In: 60.710+/-0.009 χ^2/NDF:7331097.9/49

Out: 60.622+/-0.008 χ^2/NDF:8748472.5/56

All: 60.665+/-0.006 χ^2/NDF: 16079623.0/106



Right In: 0.033+/-0.022 χ^2/NDF: 28.5/26

Left Out: -0.000+/-0.014 χ^2/NDF:22.6/24

Right Out: -0.016+/-0.023 χ^2/NDF: 32.5/31

Left In: -0.008+/-0.015 χ^2/NDF:15.5/22

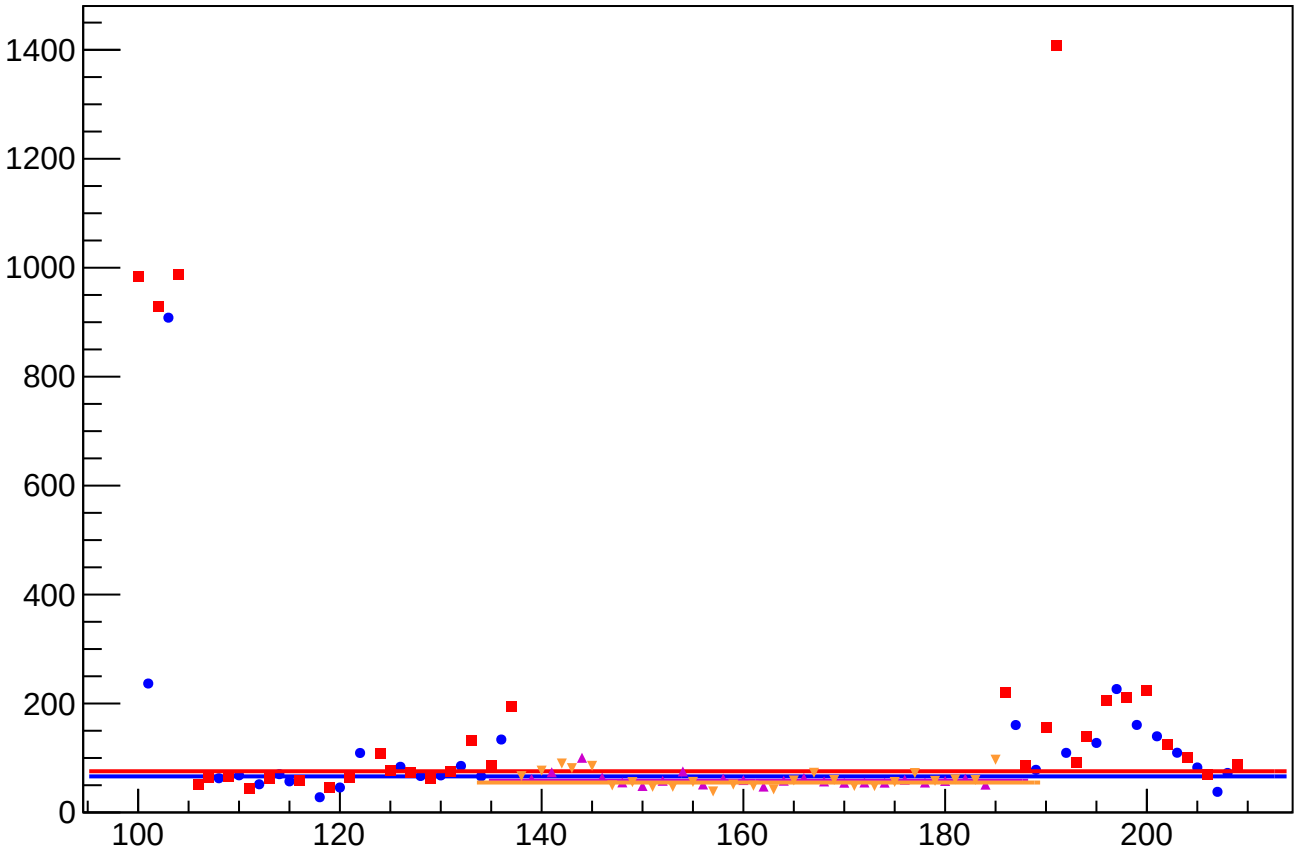
Left: -0.004+/-0.010 χ^2/NDF: 38.2/47

Right: 0.009+/-0.016 χ^2/NDF: 63.4/58

In: 0.005+/-0.012 χ^2/NDF:46.4/49

Out: -0.005+/-0.012 χ^2/NDF:55.5/56

All: -0.000+/-0.009 χ^2/NDF: 102.2/106



Right In: 66.202+/-0.015 χ^2/NDF: 6485174.8/26

Left Out: 54.931+/-0.010 χ^2/NDF:1297647.2/24

Right Out: 75.631+/-0.016 χ^2/NDF: 6264700.1/31

Left In: 58.138+/-0.010 χ^2/NDF:657436.9/22

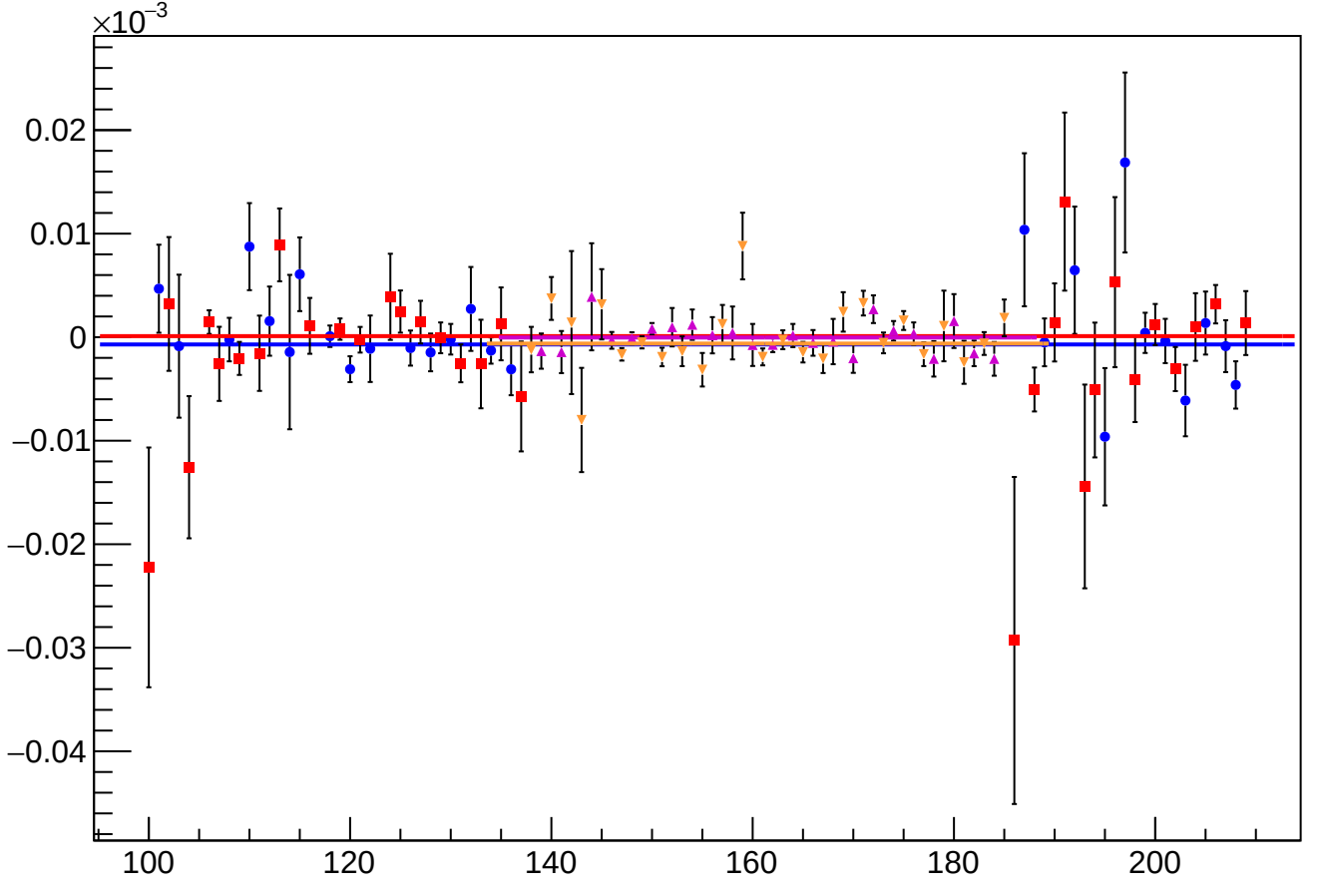
Left: 56.452+/-0.007 χ^2/NDF: 2004214.4/47

Right: 70.661+/-0.011 χ^2/NDF: 12928786.1/58

In: 60.710+/-0.009 χ^2/NDF:7331097.9/49

Out: 60.622+/-0.008 χ^2/NDF:8748472.5/56

All: 60.665+/-0.006 χ^2/NDF: 16079623.0/106



Right In: -0.000+/-0.000 χ^2/NDF: 33.0/26

Left Out: -0.000+/-0.000 χ^2/NDF:52.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 46.2/31

Left In: -0.000+/-0.000 χ^2/NDF:18.2/22

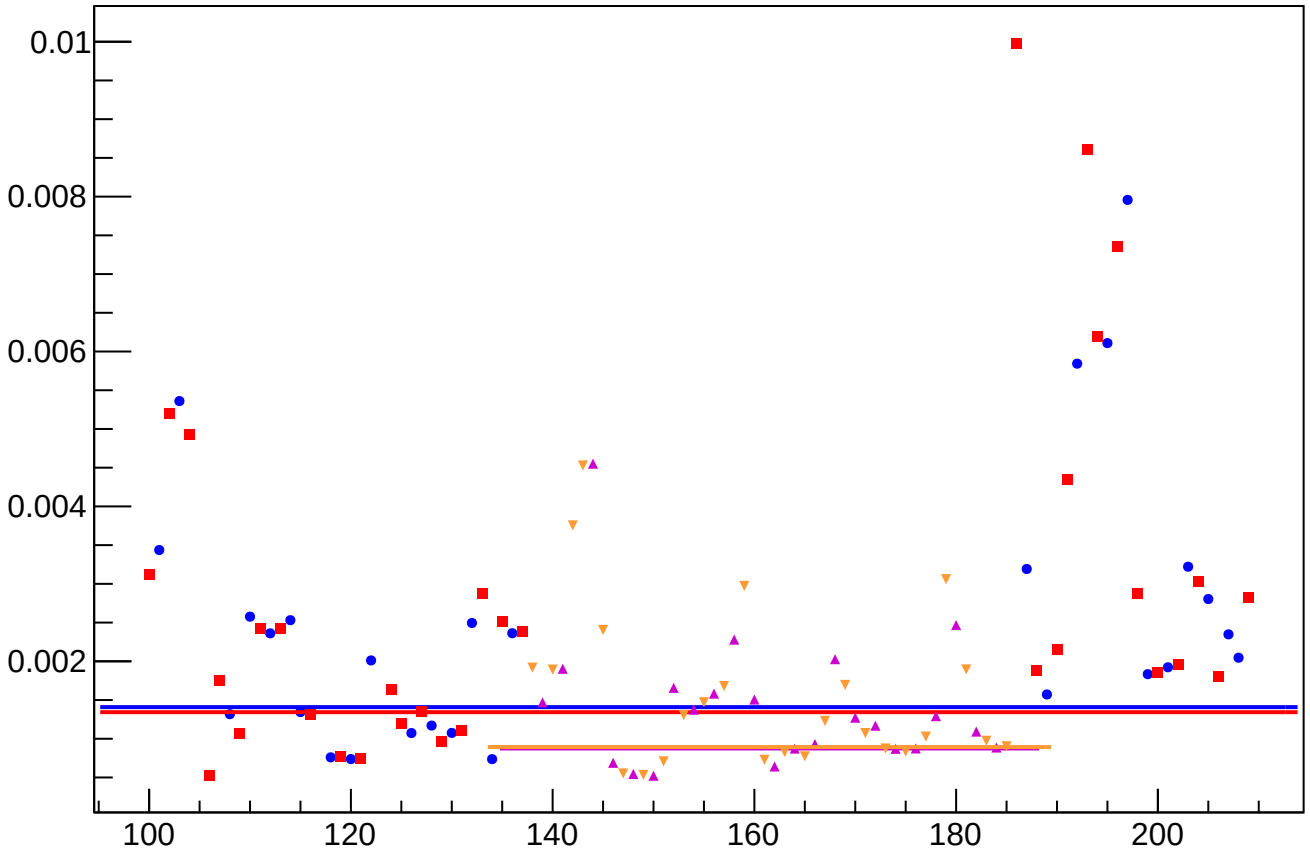
Left: -0.000+/-0.000 χ^2/NDF: 74.1/47

Right: -0.000+/-0.000 χ^2/NDF: 81.1/58

In: -0.000+/-0.000 χ^2/NDF:53.0/49

Out: -0.000+/-0.000 χ^2/NDF:101.3/56

All: -0.000+/-0.000 χ^2/NDF: 155.1/106



Right In: 0.001+/-0.000 χ^2/NDF: 9043133.5/26

Left Out: 0.001+/-0.000 χ^2/NDF:7739119.9/24

Right Out: 0.001+/-0.000 χ^2/NDF: 10649152.4/31

Left In: 0.001+/-0.000 χ^2/NDF:6963716.3/22

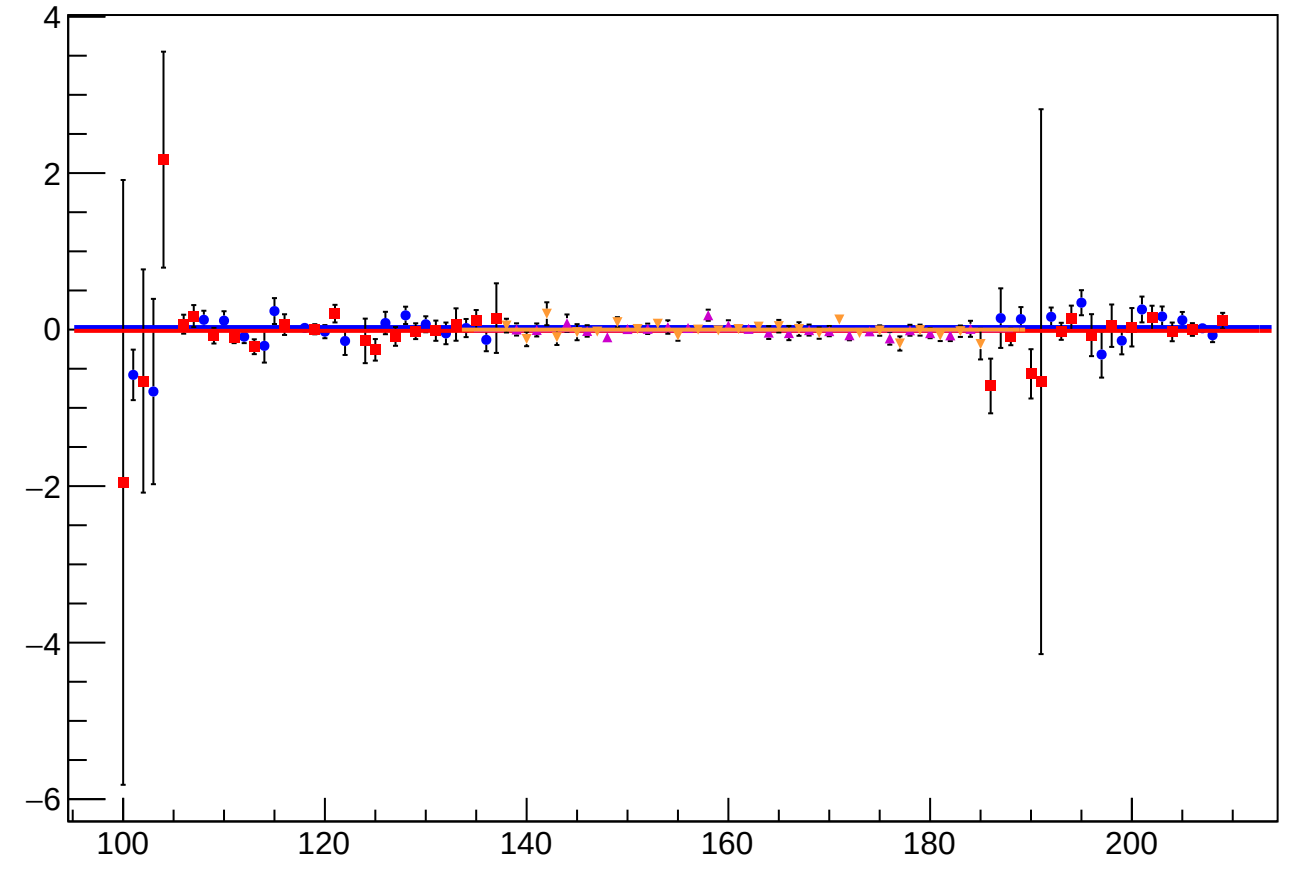
Left: 0.001+/-0.000 χ^2/NDF: 14708860.3/47

Right: 0.001+/-0.000 χ^2/NDF: 19716498.9/58

In: 0.001+/-0.000 χ^2/NDF:18388370.9/49

Out: 0.001+/-0.000 χ^2/NDF:20225083.3/56

All: 0.001+/-0.000 χ^2/NDF: 38613904.8/106



Right In: 0.033+/-0.022 χ^2/NDF: 28.5/26

Left Out: -0.000+/-0.014 χ^2/NDF:22.6/24

Right Out: -0.016+/-0.023 χ^2/NDF: 32.5/31

Left In: -0.008+/-0.015 χ^2/NDF:15.5/22

Left: -0.004+/-0.010 χ^2/NDF: 38.2/47

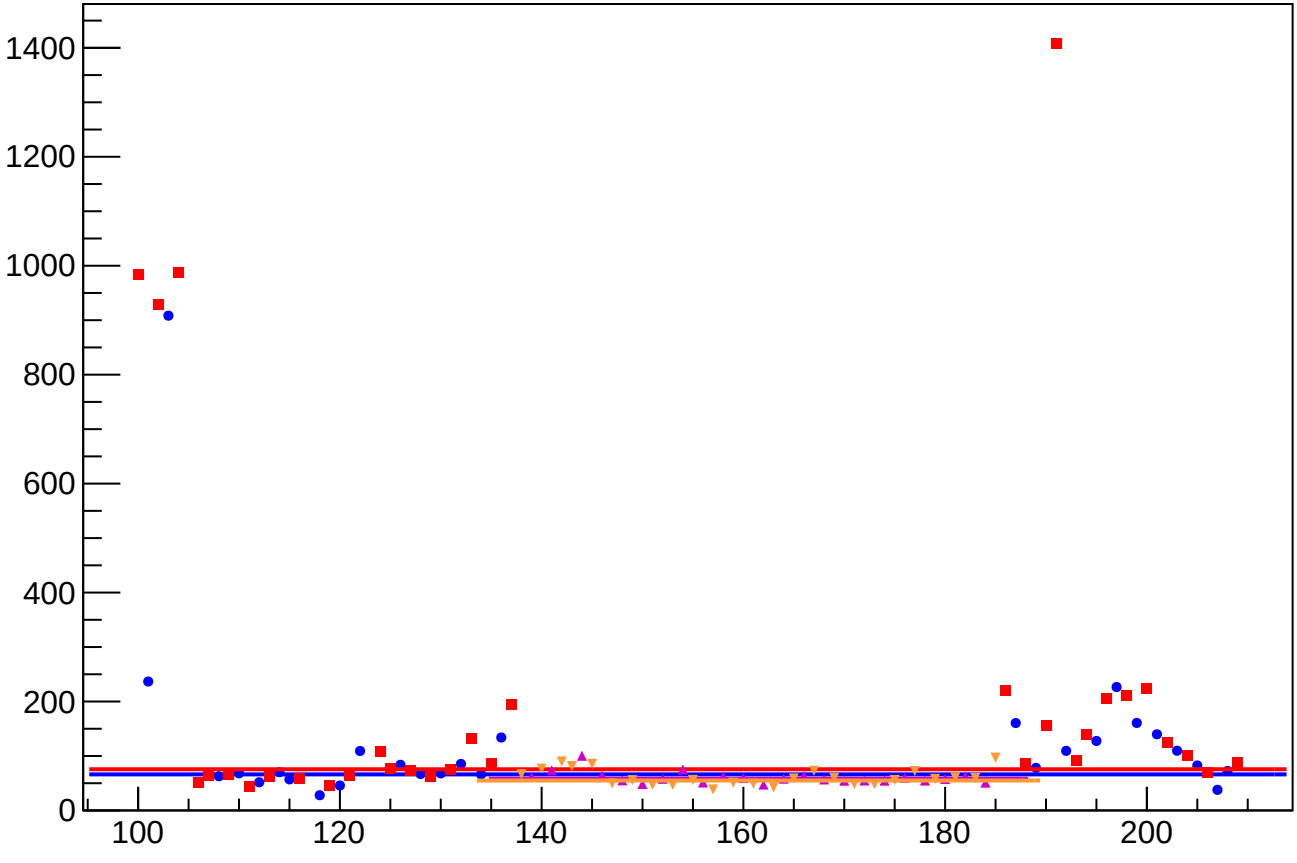
Right: 0.009+/-0.016 χ^2/NDF: 63.4/58

In: 0.005+/-0.012 χ^2/NDF:46.4/49

Out: -0.005+/-0.012 χ^2/NDF:55.5/56

All: -0.000+/-0.009 χ^2/NDF: 102.2/106

asym_atr1_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 66.201+/-0.015 χ^2/NDF: 6485417.2/26

Left Out: 54.930+/-0.010 χ^2/NDF:1297722.9/24

Right Out: 75.631+/-0.016 χ^2/NDF: 6264728.1/31

Left In: 58.138+/-0.010 χ^2/NDF:657460.3/22

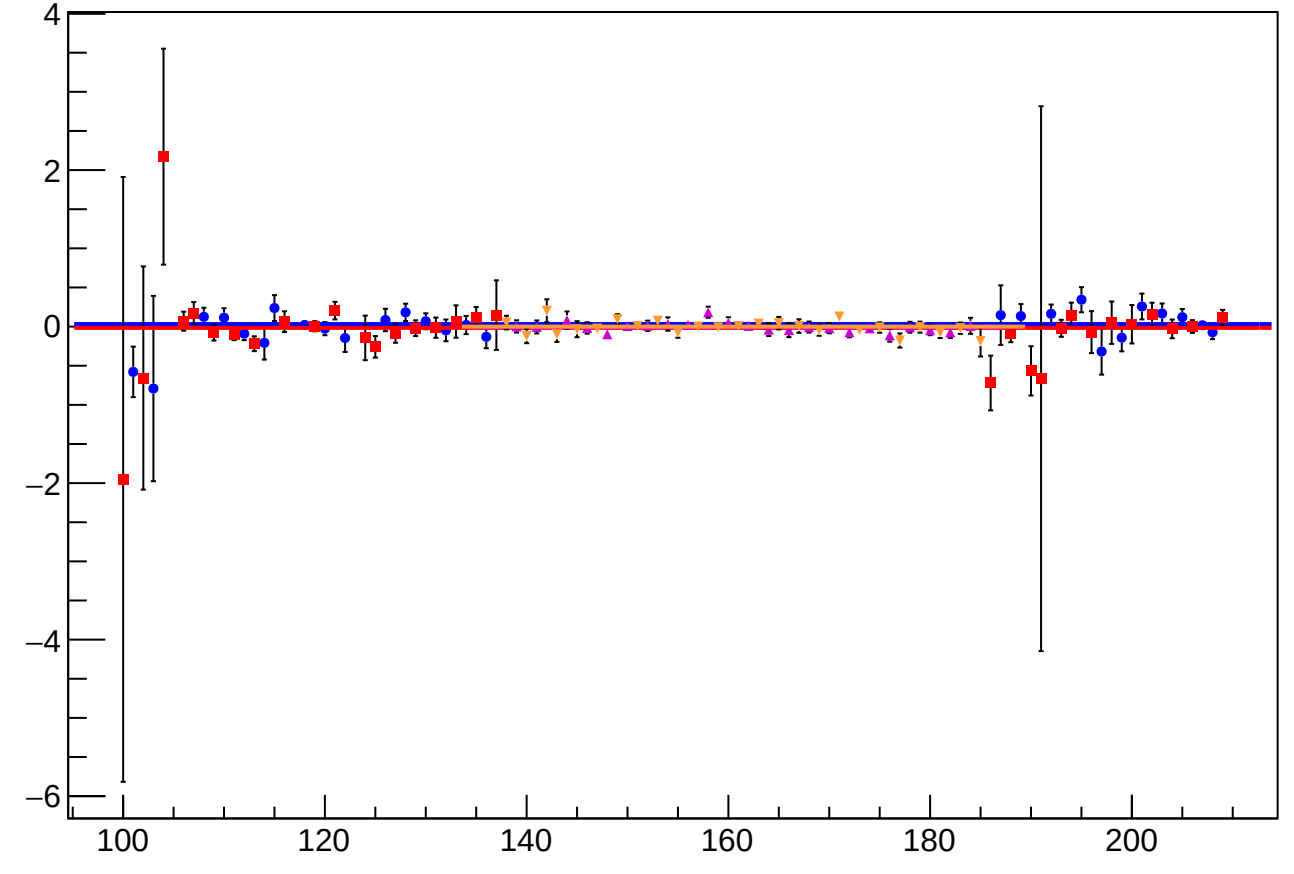
Left: 56.452+/-0.007 χ^2/NDF: 2004328.0/47

Right: 70.660+/-0.011 χ^2/NDF: 12929096.0/58

In: 60.710+/-0.009 χ^2/NDF:7331309.3/49

Out: 60.622+/-0.008 χ^2/NDF:8748609.0/56

All: 60.665+/-0.006 χ^2/NDF: 16079970.9/106



Right In: 0.033+/-0.022 χ^2/NDF: 28.5/26

Left Out: -0.000+/-0.014 χ^2/NDF:22.6/24

Right Out: -0.016+/-0.023 χ^2/NDF: 32.5/31

Left In: -0.008+/-0.015 χ^2/NDF:15.5/22

Left: -0.004+/-0.010 χ^2/NDF: 38.2/47

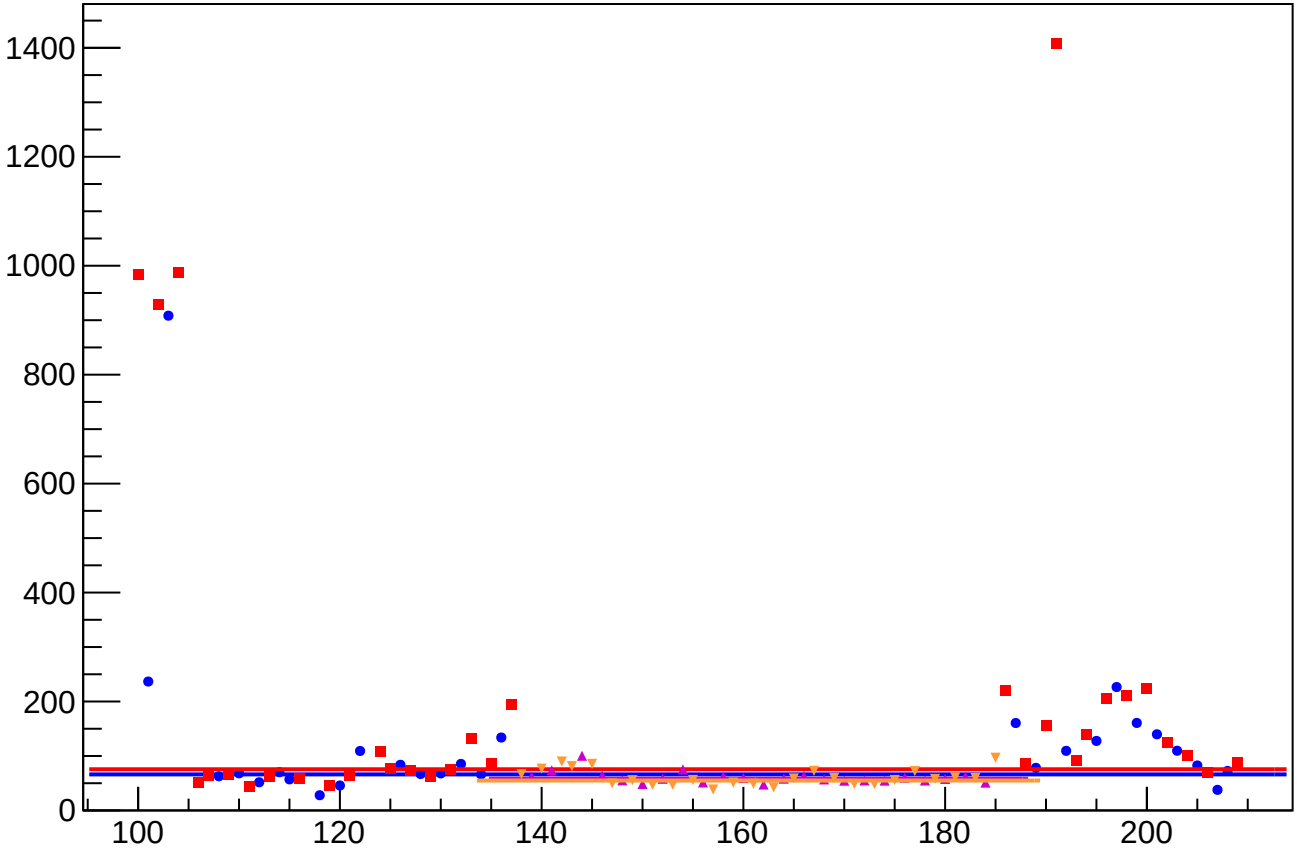
Right: 0.009+/-0.016 χ^2/NDF: 63.4/58

In: 0.005+/-0.012 χ^2/NDF:46.4/49

Out: -0.005+/-0.012 χ^2/NDF:55.5/56

All: -0.000+/-0.009 χ^2/NDF: 102.2/106

asym_atr1_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 66.201+/-0.015 χ^2/NDF: 6485417.2/26

Left Out: 54.930+/-0.010 χ^2/NDF:1297722.9/24

Right Out: 75.631+/-0.016 χ^2/NDF: 6264728.1/31

Left In: 58.138+/-0.010 χ^2/NDF:657460.3/22

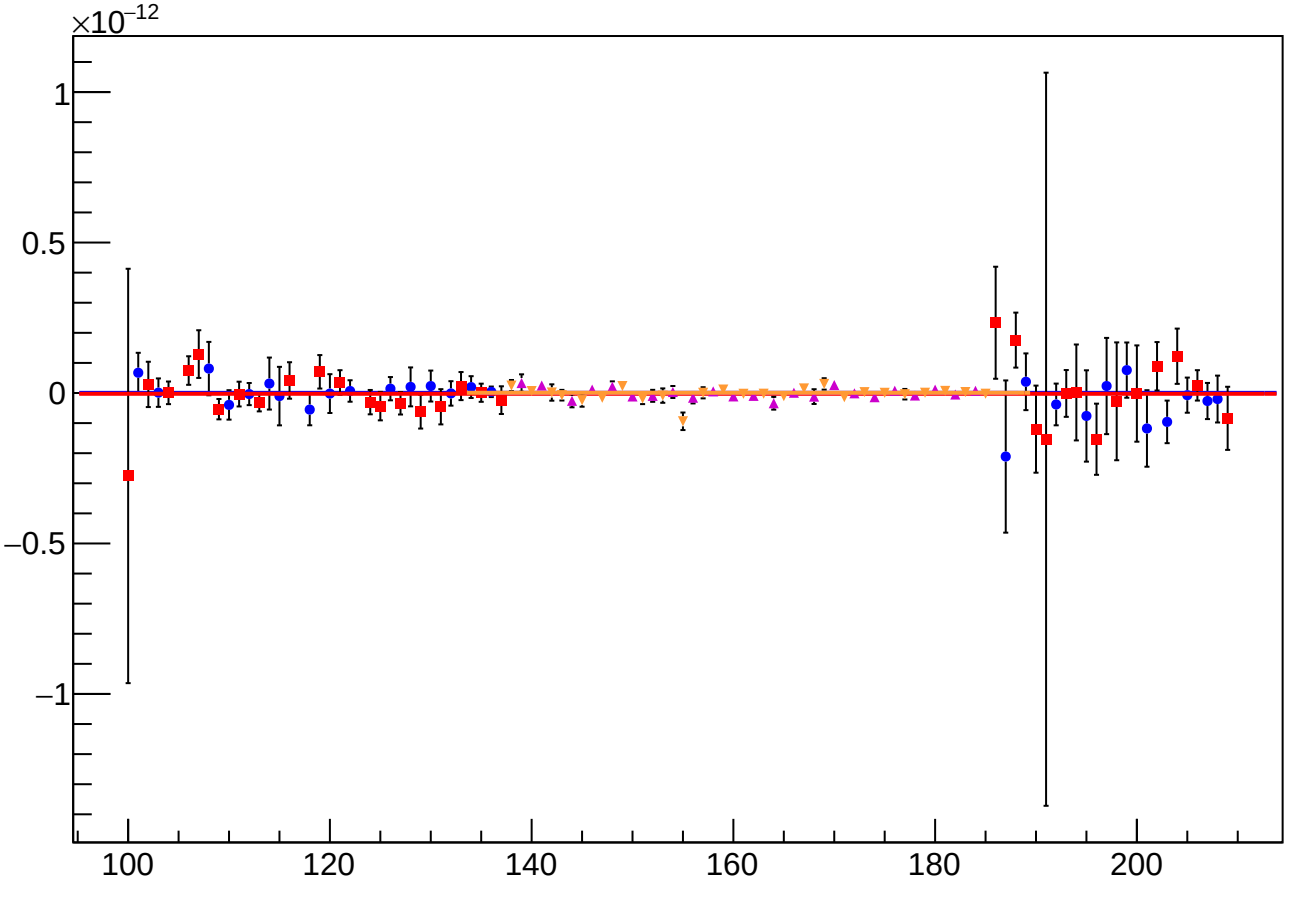
Left: 56.452+/-0.007 χ^2/NDF: 2004328.0/47

Right: 70.660+/-0.011 χ^2/NDF: 12929096.0/58

In: 60.710+/-0.009 χ^2/NDF:7331309.3/49

Out: 60.622+/-0.008 χ^2/NDF:8748609.0/56

All: 60.665+/-0.006 χ^2/NDF: 16079970.9/106



Right In: 0.000+/-0.000 χ^2/NDF: 9.7/26

Left Out: 0.000+/-0.000 χ^2/NDF:25.3/24

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

Left In: 0.000+/-0.000 χ^2/NDF:20.2/22

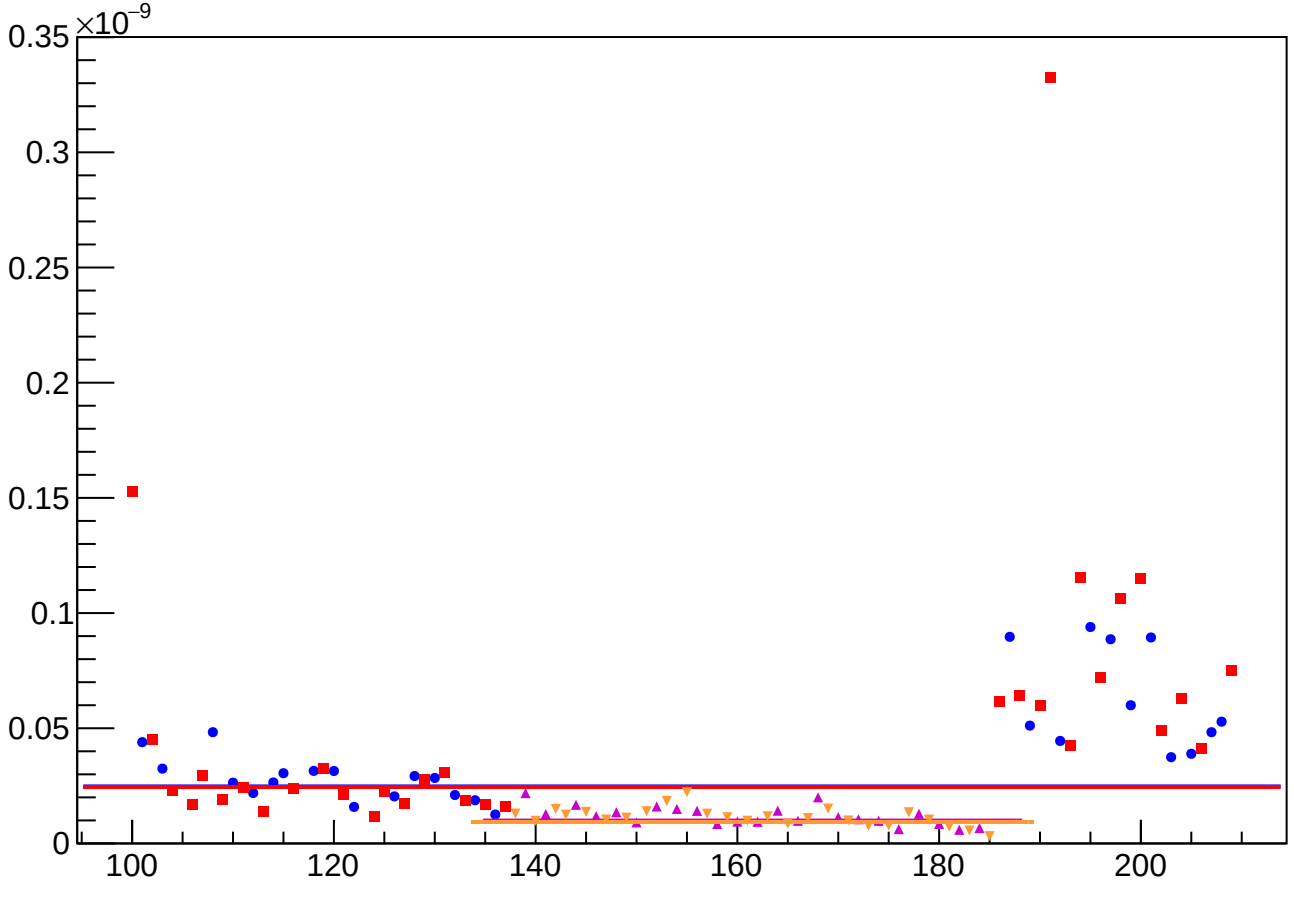
Left: 0.000+/-0.000 χ^2/NDF: 45.6/47

Right: -0.000+/-0.000 χ^2/NDF: 37.9/58

In: 0.000+/-0.000 χ^2/NDF:30.0/49

Out: 0.000+/-0.000 χ^2/NDF:53.6/56

All: 0.000+/-0.000 χ^2/NDF: 83.5/106



Right In: 0.000+/-0.000 χ^2/NDF: 4398659.8/26

Left Out: 0.000+/-0.000 χ^2/NDF:3070809.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 5183250.5/31

Left In: 0.000+/-0.000 χ^2/NDF:2573277.3/22

Left: 0.000+/-0.000 χ^2/NDF: 5690216.6/47

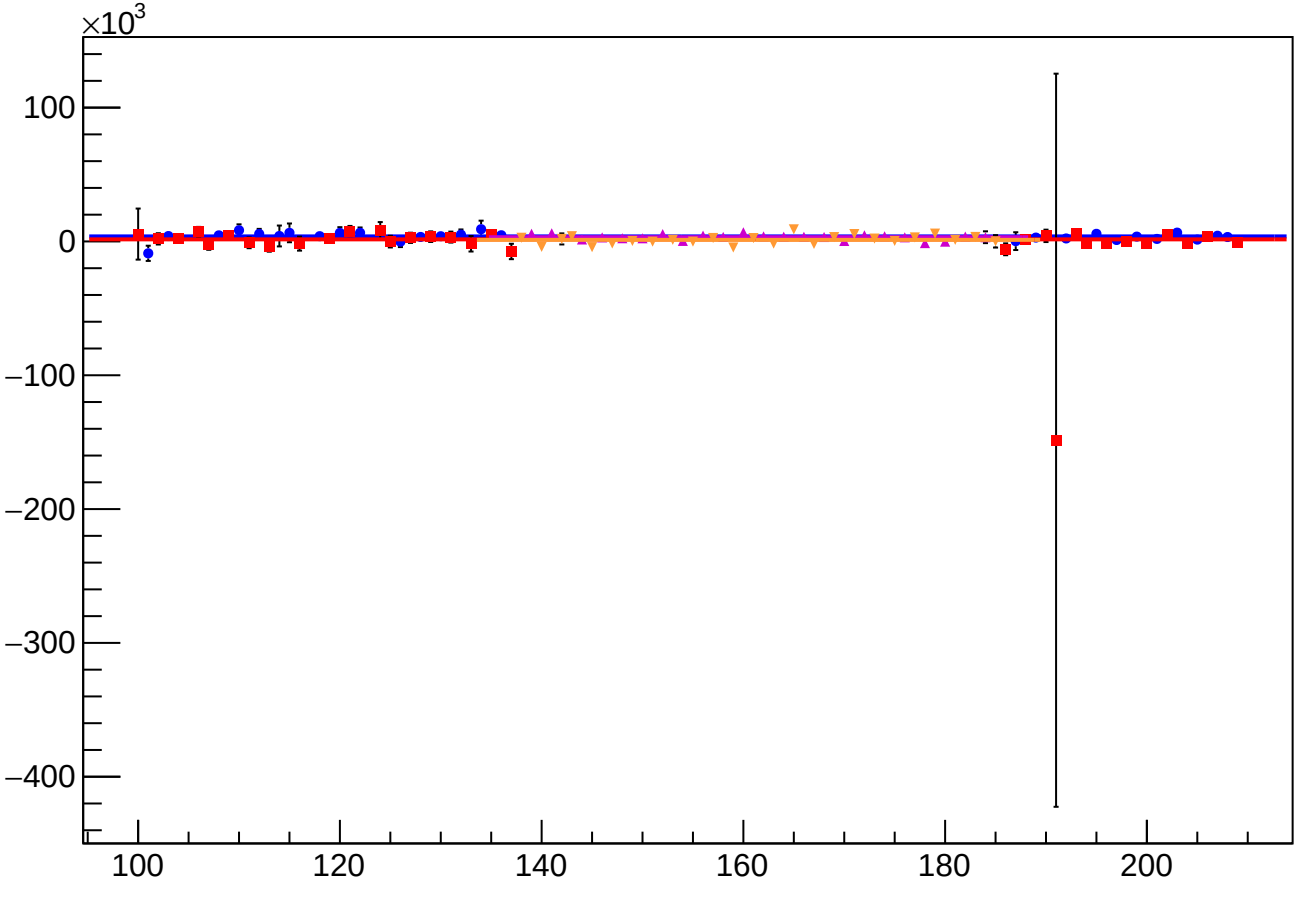
Right: 0.000+/-0.000 χ^2/NDF: 9582642.5/58

In: 0.000+/-0.000 χ^2/NDF:11392862.6/49

Out: 0.000+/-0.000 χ^2/NDF:12947165.9/56

All: 0.000+/-0.000 χ^2/NDF: 24412481.5/106

reg_asym_atr2_mean vs Slug, Sign Corrected



Right In: 3764.427+/-664.907 χ^2/NDF: 13.0/26

Left Out: 1188.836+/-556.242 χ^2/NDF:31.1/24

Right Out: 1554.518+/-643.245 χ^2/NDF: 28.2/31

Left In: 3147.419+/-569.221 χ^2/NDF:12.7/22

Left: 2145.543+/-397.832 χ^2/NDF: 49.9/47

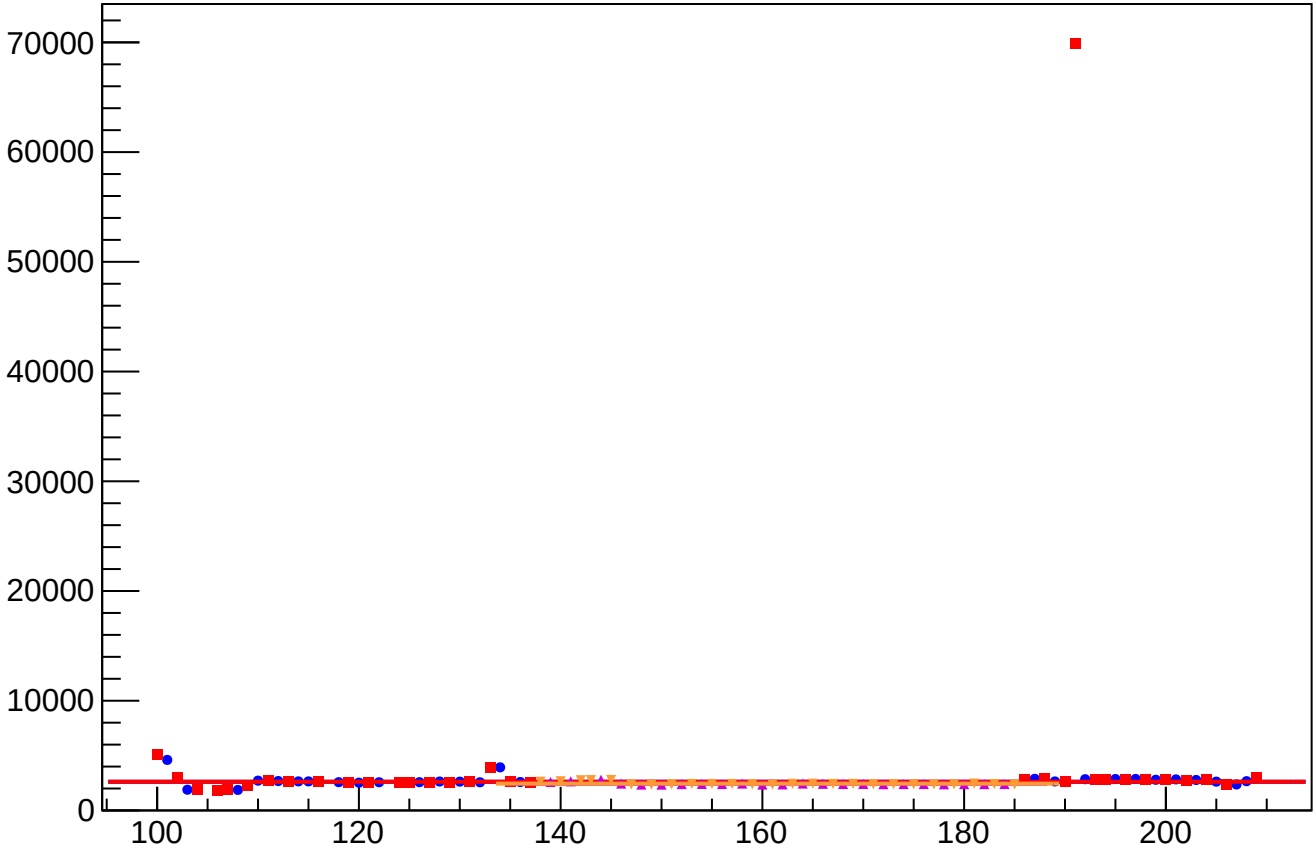
Right: 2622.889+/-462.311 χ^2/NDF: 46.8/58

In: 3408.371+/-432.410 χ^2/NDF:26.1/49

Out: 1345.291+/-420.746 χ^2/NDF:59.5/56

All: 2348.632+/-301.552 χ^2/NDF: 97.3/106

reg_asym_atr2_rms vs Slug, Sign Corrected



Right In: 2615.544+/-0.470 χ^2/NDF: 721684.7/26

Left Out: 2445.826+/-0.393 χ^2/NDF:90014.8/24

Right Out: 2613.751+/-0.455 χ^2/NDF: 779531.0/31

Left In: 2435.950+/-0.403 χ^2/NDF:59189.9/22

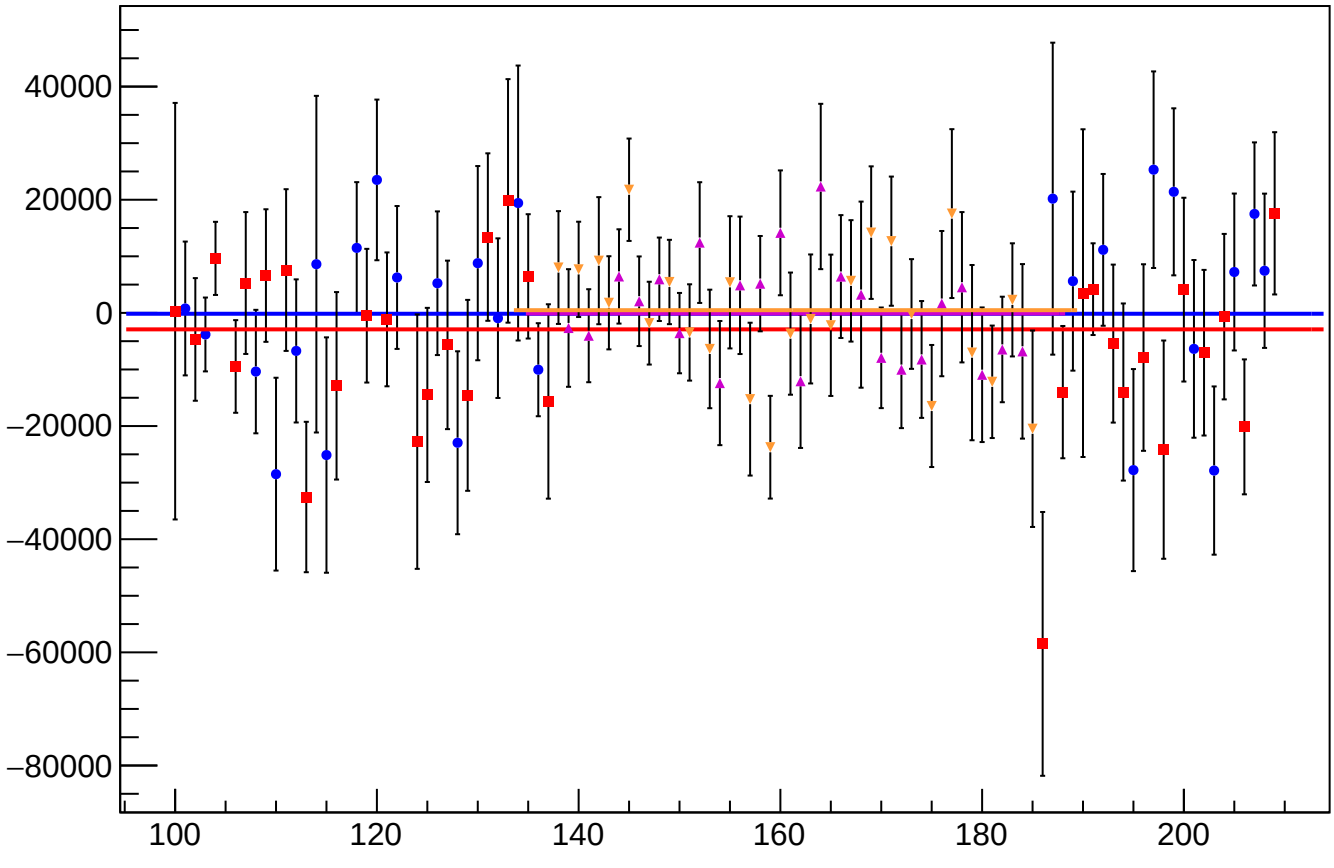
Left: 2441.002+/-0.281 χ^2/NDF: 149512.6/47

Right: 2614.618+/-0.327 χ^2/NDF: 1501223.2/58

In: 2511.906+/-0.306 χ^2/NDF:865076.2/49

Out: 2517.672+/-0.298 χ^2/NDF:947533.3/56

All: 2514.868+/-0.213 χ^2/NDF: 1812792.1/10



Right In: -152.536+/-2556.261 χ^2/NDF: 28.6/26

Left Out: 477.187+/-2035.969 χ^2/NDF:27.4/24

Right Out: -2911.134+/-2299.925 χ^2/NDF: 30.6/31

Left In: -104.954+/-2090.899 χ^2/NDF:14.5/22

Left: 193.864+/-1458.680 χ^2/NDF: 41.9/47

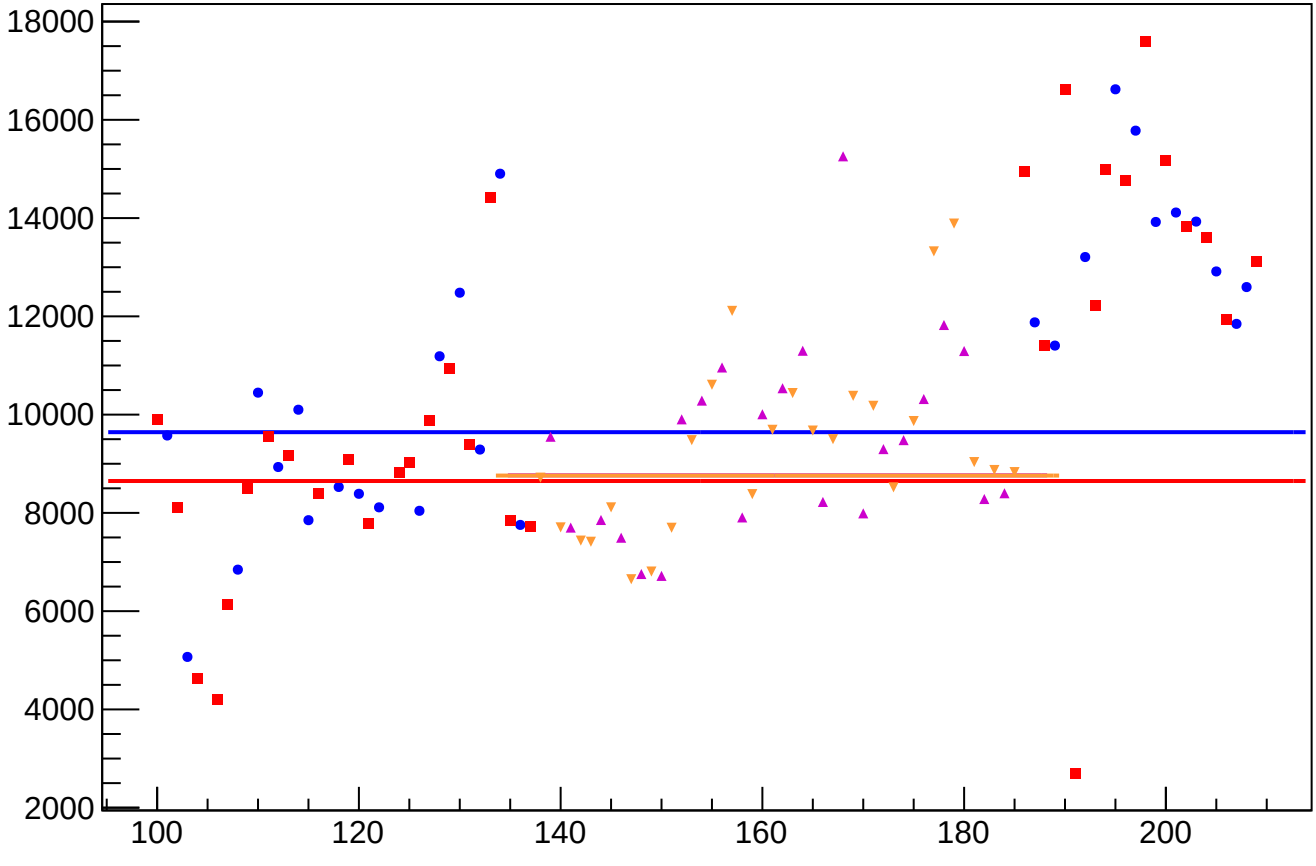
Right: -1677.044+/-1709.757 χ^2/NDF: 59.8/58

In: -124.027+/-1618.449 χ^2/NDF:43.1/49

Out: -1011.464+/-1524.467 χ^2/NDF:59.2/56

All: -594.259+/-1109.699 χ^2/NDF: 102.4/106

asym_atr2_reg_correction_rms vs Slug, Sign Corrected



Right In: 9642.775+/-1.808 χ^2/NDF: 3004388.7/26

Left Out: 8759.635+/-1.440 χ^2/NDF:1222238.0/24

Right Out: 8648.953+/-1.626 χ^2/NDF: 5493772.0/31

Left In: 8764.138+/-1.478 χ^2/NDF:1291698.9/22

Left: 8761.827+/-1.031 χ^2/NDF: 2513941.7/47

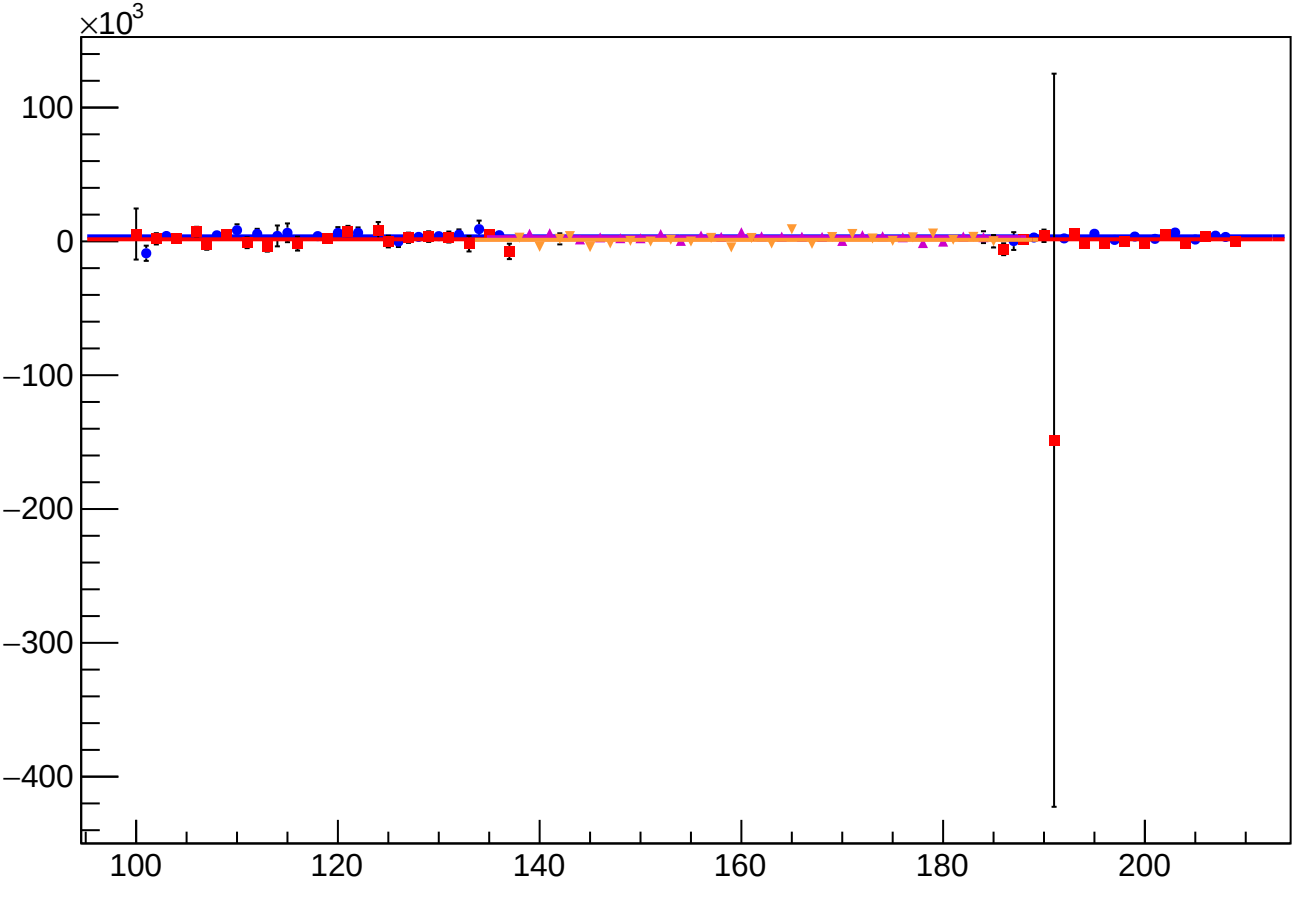
Right: 9093.549+/-1.209 χ^2/NDF: 8665223.2/58

In: 9116.344+/-1.144 χ^2/NDF:4437657.3/49

Out: 8711.007+/-1.078 χ^2/NDF:6718606.9/56

All: 8901.565+/-0.785 χ^2/NDF: 11222736.4/

cor_asym_atr2_mean vs Slug, Sign Corrected



Right In: 3764.301+/-664.907 χ^2/NDF: 13.0/26

Left Out: 1188.666+/-556.242 χ^2/NDF:31.1/24

Right Out: 1554.843+/-643.248 χ^2/NDF: 28.2/31

Left In: 3147.222+/-569.221 χ^2/NDF:12.7/22

Left: 2145.360+/-397.832 χ^2/NDF: 49.9/47

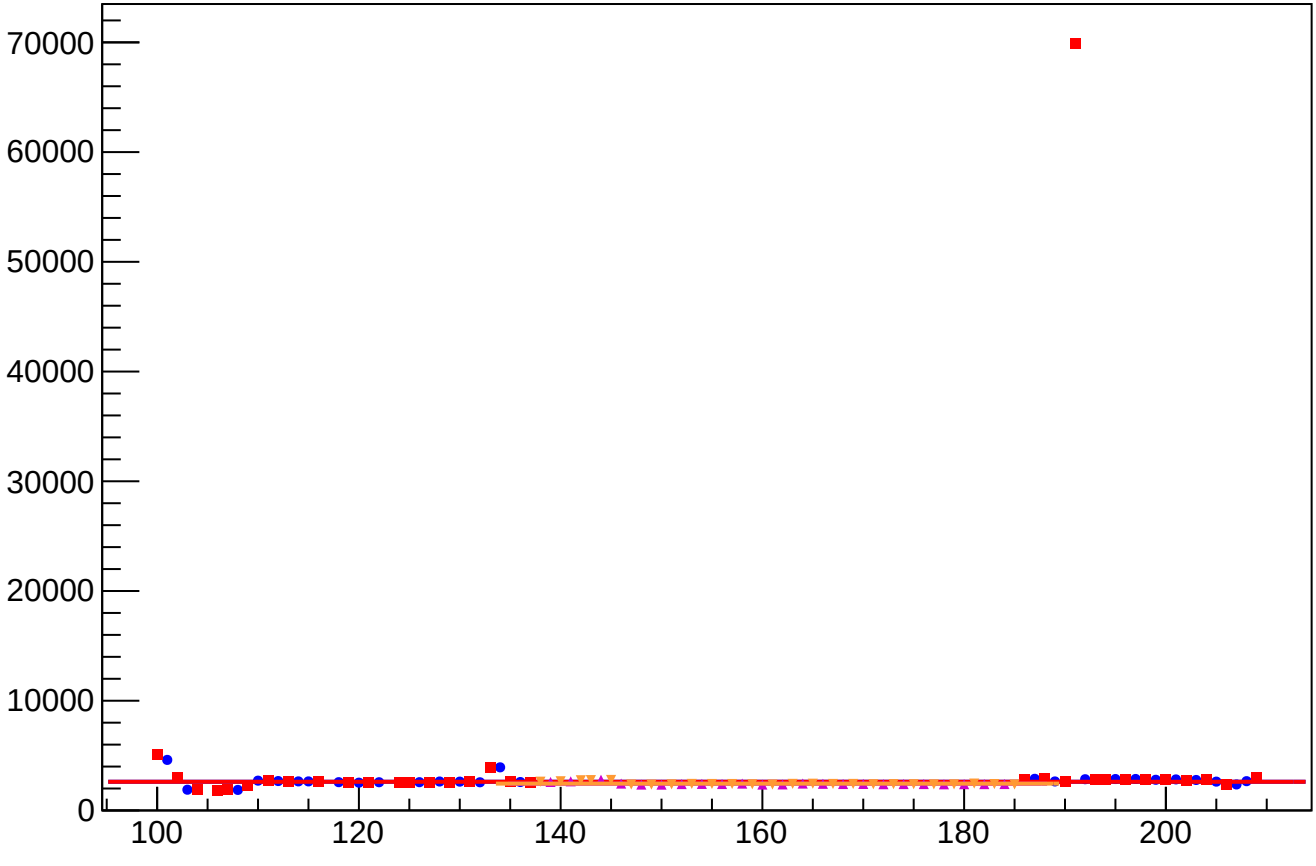
Right: 2623.000+/-462.312 χ^2/NDF: 46.9/58

In: 3408.203+/-432.410 χ^2/NDF:26.1/49

Out: 1345.333+/-420.747 χ^2/NDF:59.5/56

All: 2348.574+/-301.552 χ^2/NDF: 97.3/106

cor_asym_atr2_rms vs Slug, Sign Corrected



Right In: 2615.545+/-0.470 χ^2/NDF: 721682.0/26

Left Out: 2445.826+/-0.393 χ^2/NDF:90014.8/24

Right Out: 2613.764+/-0.455 χ^2/NDF: 779456.8/31

Left In: 2435.950+/-0.403 χ^2/NDF:59189.9/22

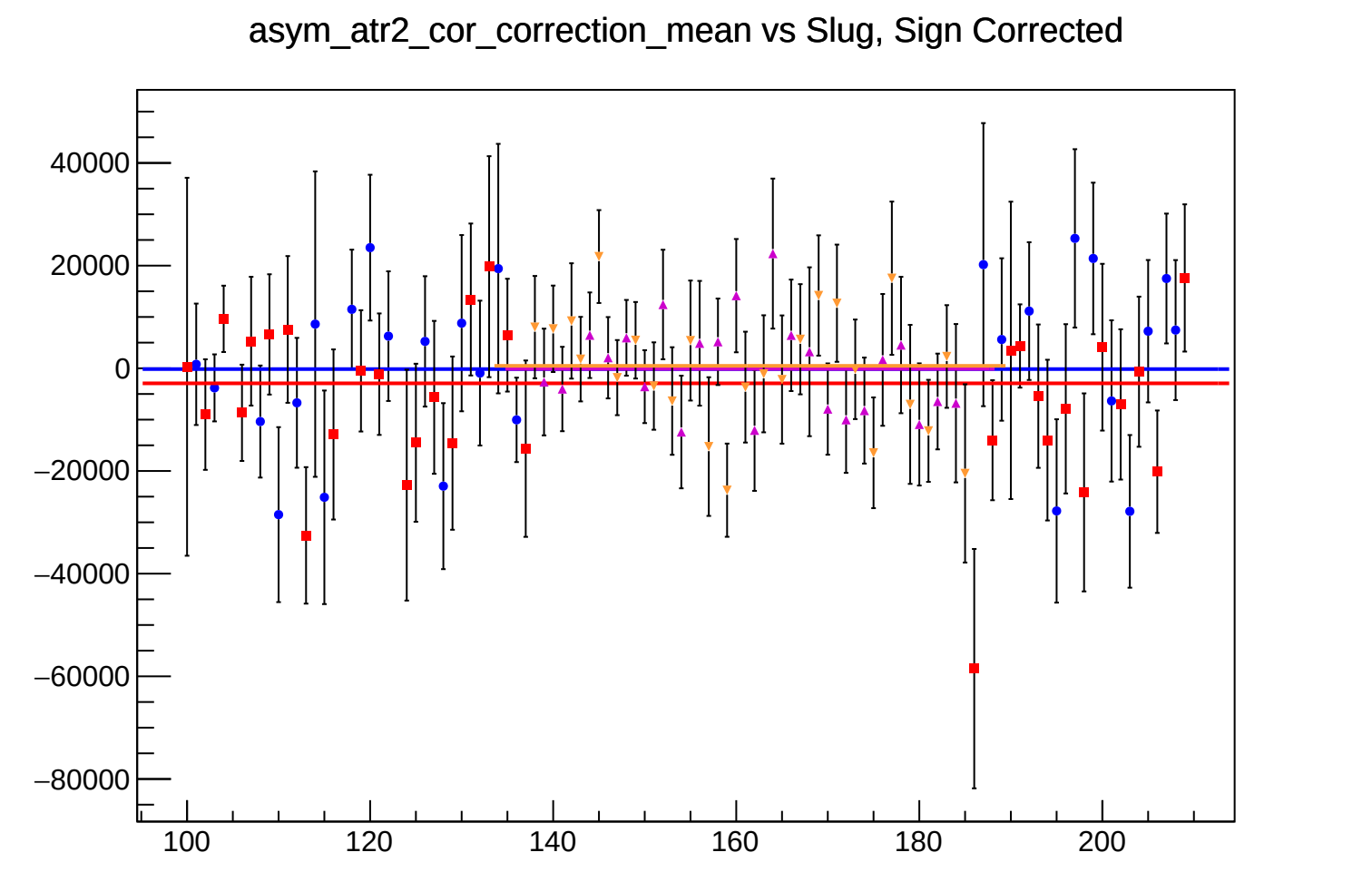
Left: 2441.002+/-0.281 χ^2/NDF: 149512.6/47

Right: 2614.625+/-0.327 χ^2/NDF: 1501146.2/58

In: 2511.906+/-0.306 χ^2/NDF:865073.9/49

Out: 2517.677+/-0.298 χ^2/NDF:947470.9/56

All: 2514.871+/-0.213 χ^2/NDF: 1812727.8/10



Right In: -152.185+/-2556.312 χ^2/NDF: 28.6/26

Left Out: 477.198+/-2035.967 χ^2/NDF:27.4/24

Right Out: -2927.426+/-2321.227 χ^2/NDF: 30.7/31

Left In: -105.025+/-2090.897 χ^2/NDF:14.5/22

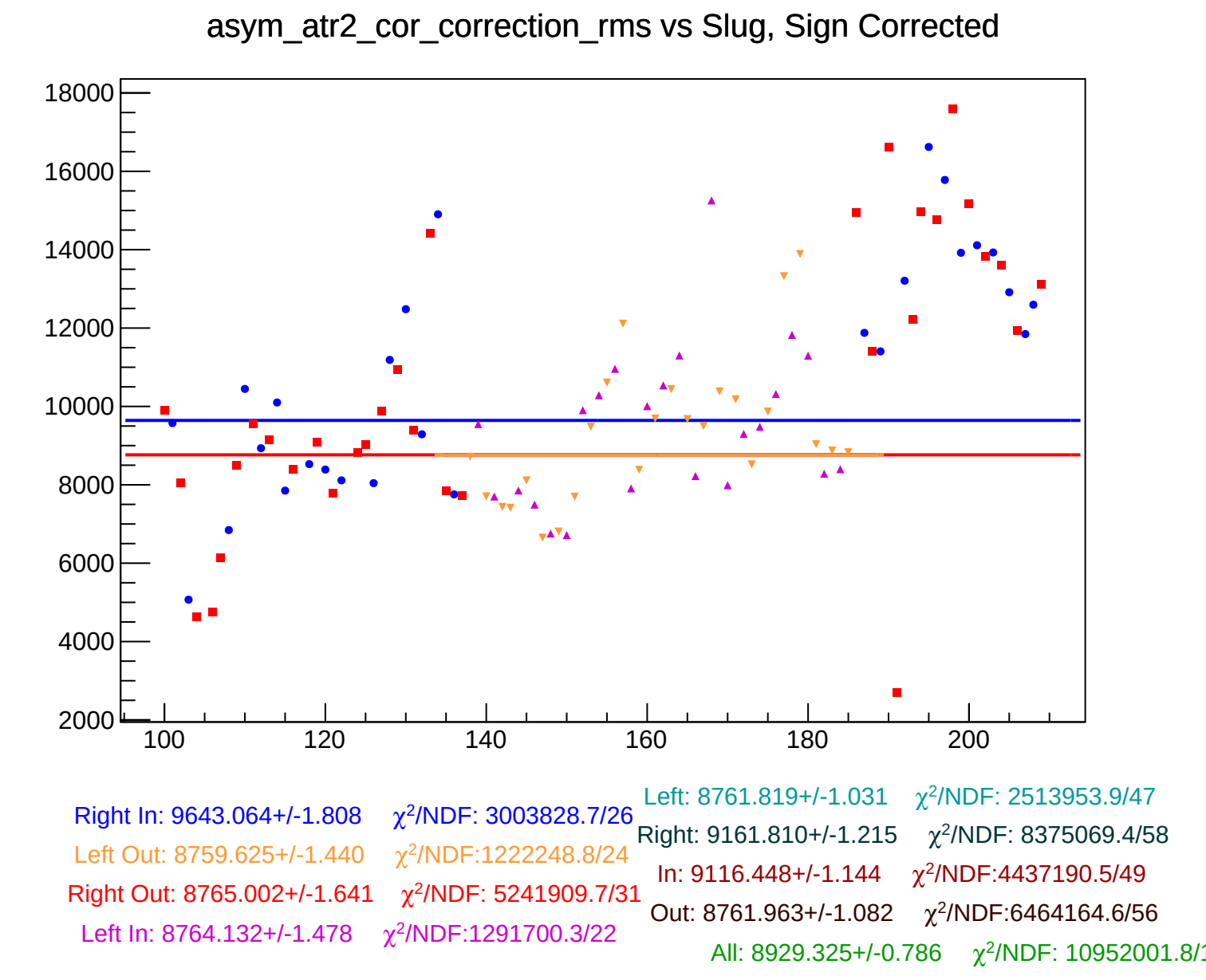
Left: 193.835+/-1458.679 χ^2/NDF: 41.9/47

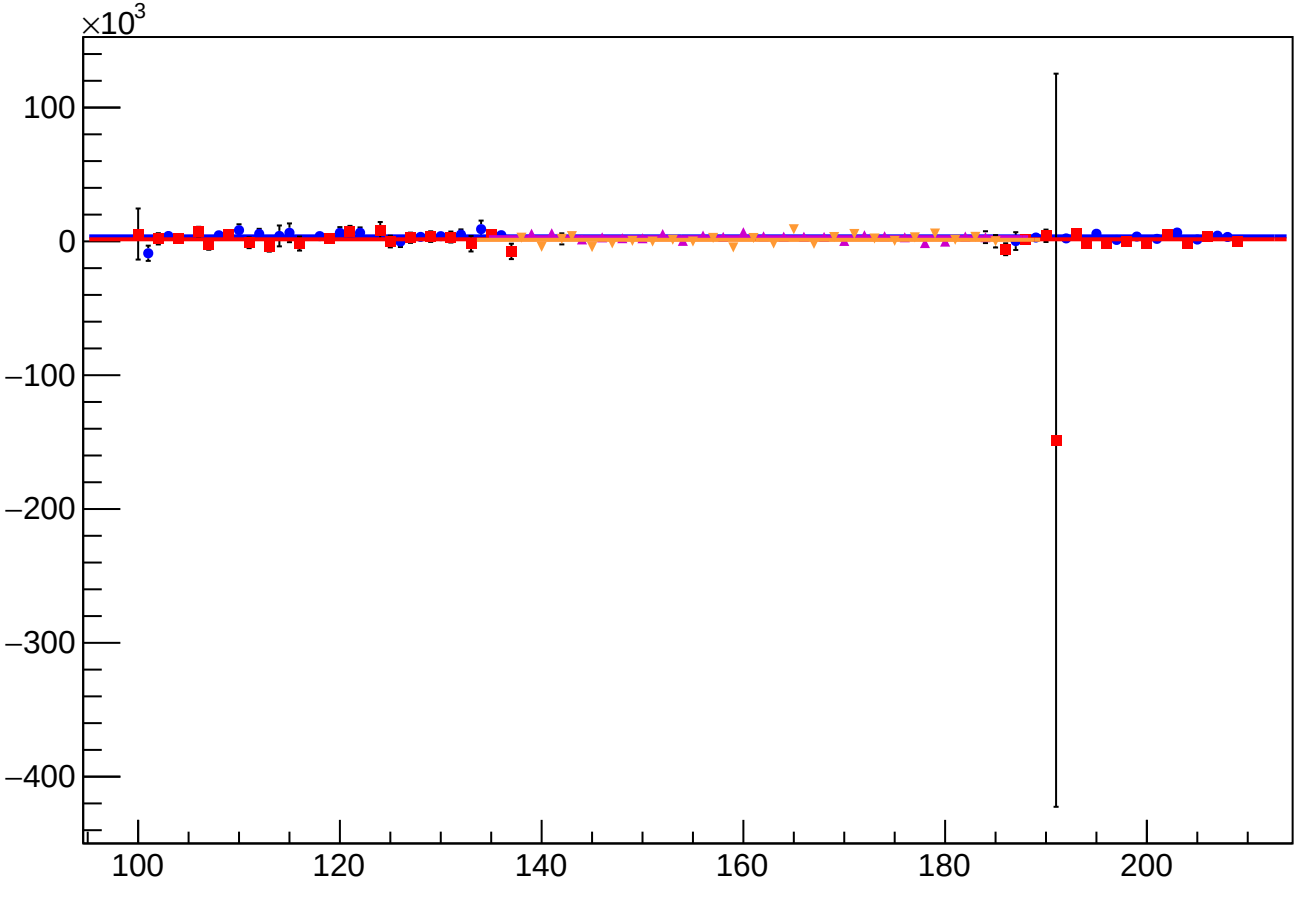
Right: -1673.255+/-1718.470 χ^2/NDF: 59.9/58

In: -123.929+/-1618.461 χ^2/NDF:43.1/49

Out: -1003.168+/-1530.621 χ^2/NDF:59.3/56

All: -588.055+/-1112.070 χ^2/NDF: 102.5/106


asym_atr2_cor_correction_rms vs Slug, Sign Corrected
18000
16000
14000
12000
10000
8000
6000
4000
2000
100
120
140
160
180
200
Right In: 9643.064+/-1.808 χ²/NDF: 3003828.7/26
Left Out: 8759.625+/-1.440 χ²/NDF:1222248.8/24
Right Out: 8765.002+/-1.641 χ²/NDF: 5241909.7/31
Left In: 8764.132+/-1.478 χ²/NDF:1291700.3/22
Left: 8761.819+/-1.031 χ²/NDF: 2513953.9/47
Right: 9161.810+/-1.215 χ²/NDF: 8375069.4/58
In: 9116.448+/-1.144 χ²/NDF:4437190.5/49
Out: 8761.963+/-1.082 χ²/NDF:6464164.6/56
All: 8929.325+/-0.786 χ²/NDF: 10952001.8/1



Right In: 3764.301+/-664.907 χ^2/NDF: 13.0/26

Left Out: 1188.666+/-556.242 χ^2/NDF:31.1/24

Right Out: 1554.843+/-643.248 χ^2/NDF: 28.2/31

Left In: 3147.222+/-569.221 χ^2/NDF:12.7/22

Left: 2145.360+/-397.832 χ^2/NDF: 49.9/47

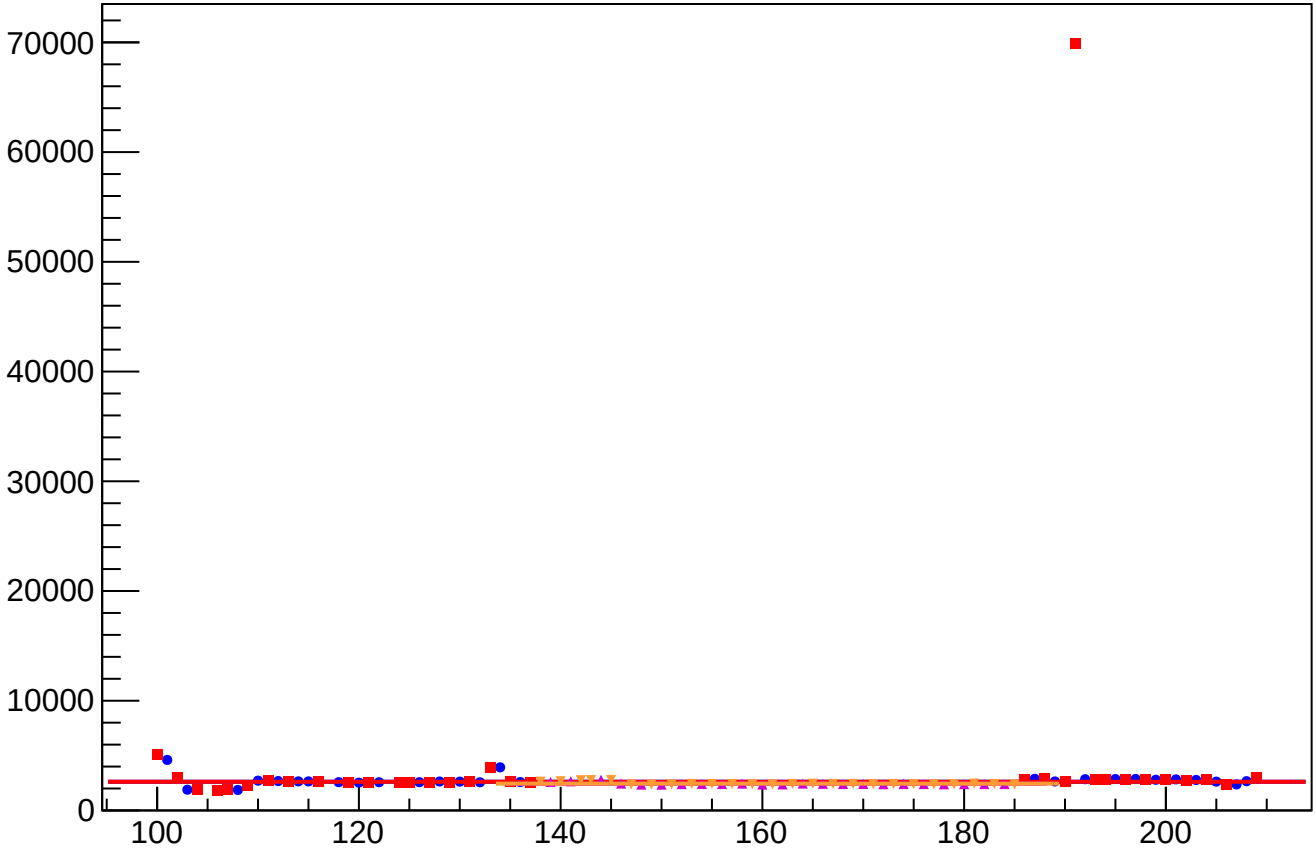
Right: 2623.000+/-462.312 χ^2/NDF: 46.9/58

In: 3408.203+/-432.410 χ^2/NDF:26.1/49

Out: 1345.333+/-420.747 χ^2/NDF:59.5/56

All: 2348.574+/-301.552 χ^2/NDF: 97.3/106

eigen_cor_asym_atr2_rms vs Slug, Sign Corrected



Right In: 2615.545+/-0.470 χ^2/NDF: 721682.0/26

Left Out: 2445.826+/-0.393 χ^2/NDF:90014.8/24

Right Out: 2613.764+/-0.455 χ^2/NDF: 779456.8/31

Left In: 2435.950+/-0.403 χ^2/NDF:59189.9/22

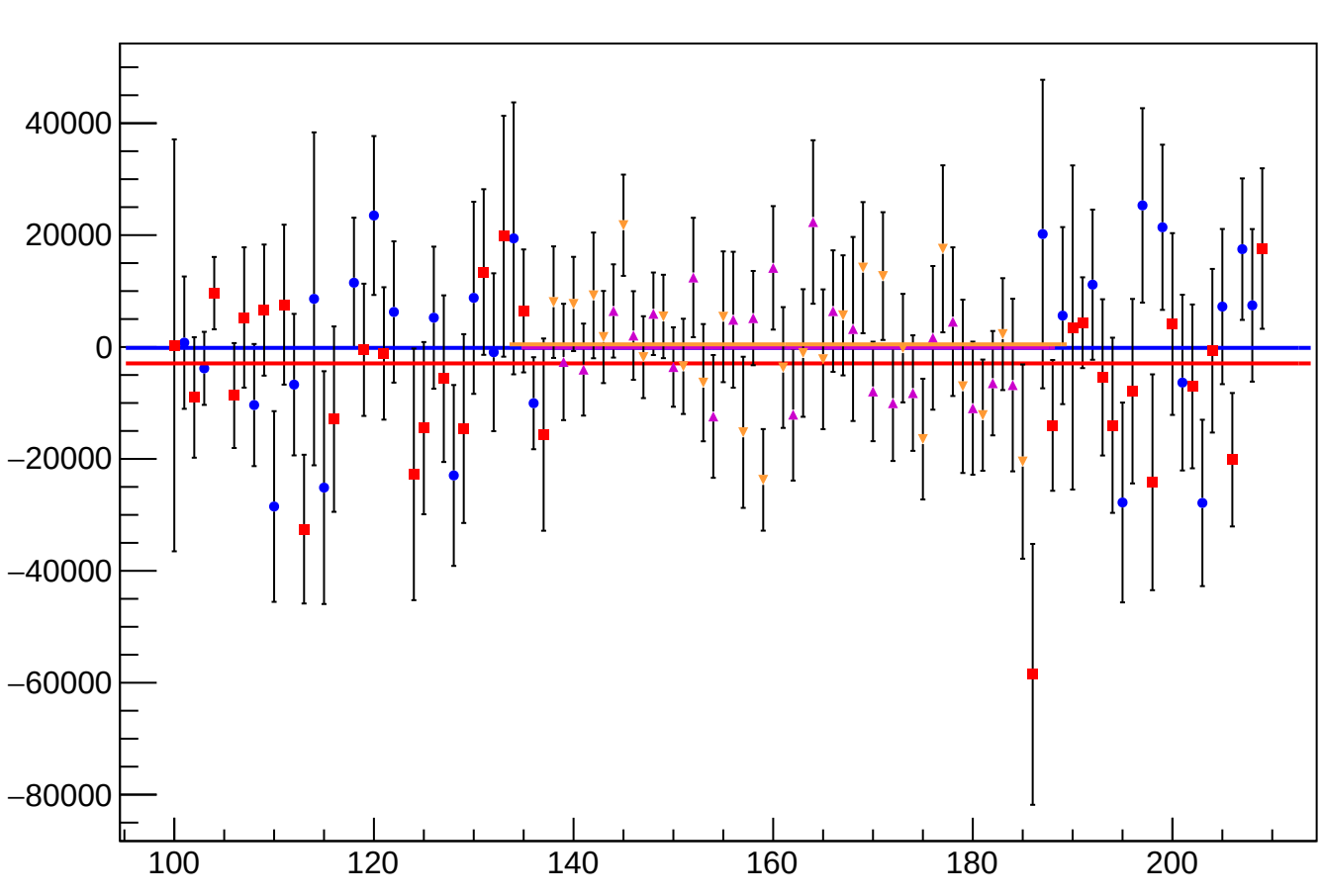
Left: 2441.002+/-0.281 χ^2/NDF: 149512.6/47

Right: 2614.625+/-0.327 χ^2/NDF: 1501146.2/58

In: 2511.906+/-0.306 χ^2/NDF:865073.9/49

Out: 2517.677+/-0.298 χ^2/NDF:947470.9/56

All: 2514.871+/-0.213 χ^2/NDF: 1812727.8/10



Right In: -152.185+/-2556.312 χ^2/NDF: 28.6/26

Left Out: 477.198+/-2035.967 χ^2/NDF:27.4/24

Right Out: -2927.426+/-2321.227 χ^2/NDF: 30.7/31

Left In: -105.025+/-2090.897 χ^2/NDF:14.5/22

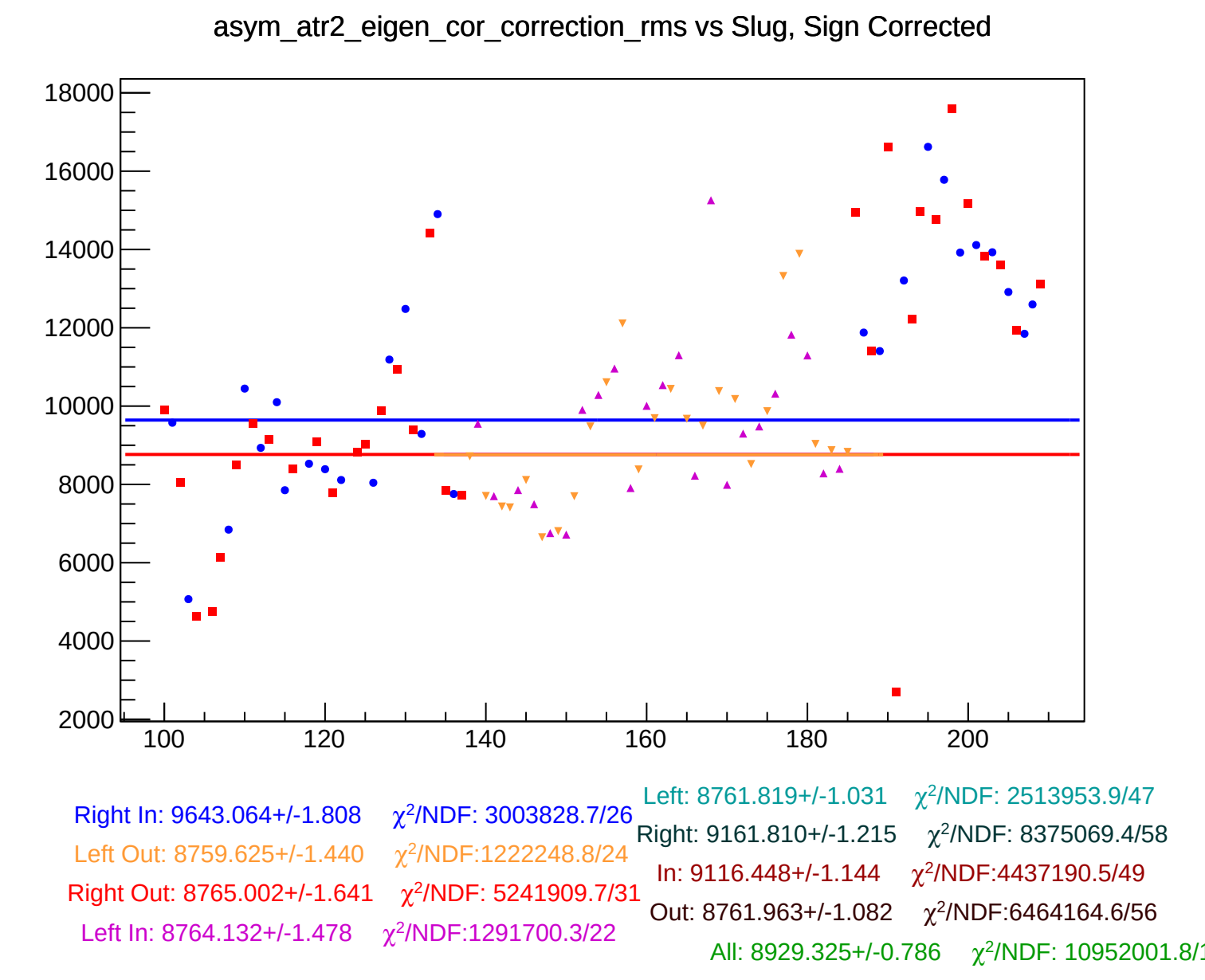
Left: 193.835+/-1458.679 χ^2/NDF: 41.9/47

Right: -1673.255+/-1718.470 χ^2/NDF: 59.9/58

In: -123.929+/-1618.461 χ^2/NDF:43.1/49

Out: -1003.168+/-1530.621 χ^2/NDF:59.3/56

All: -588.055+/-1112.070 χ^2/NDF: 102.5/106


asym_atr2_eigen_cor_correction_rms vs Slug, Sign Corrected
18000
16000
14000
12000
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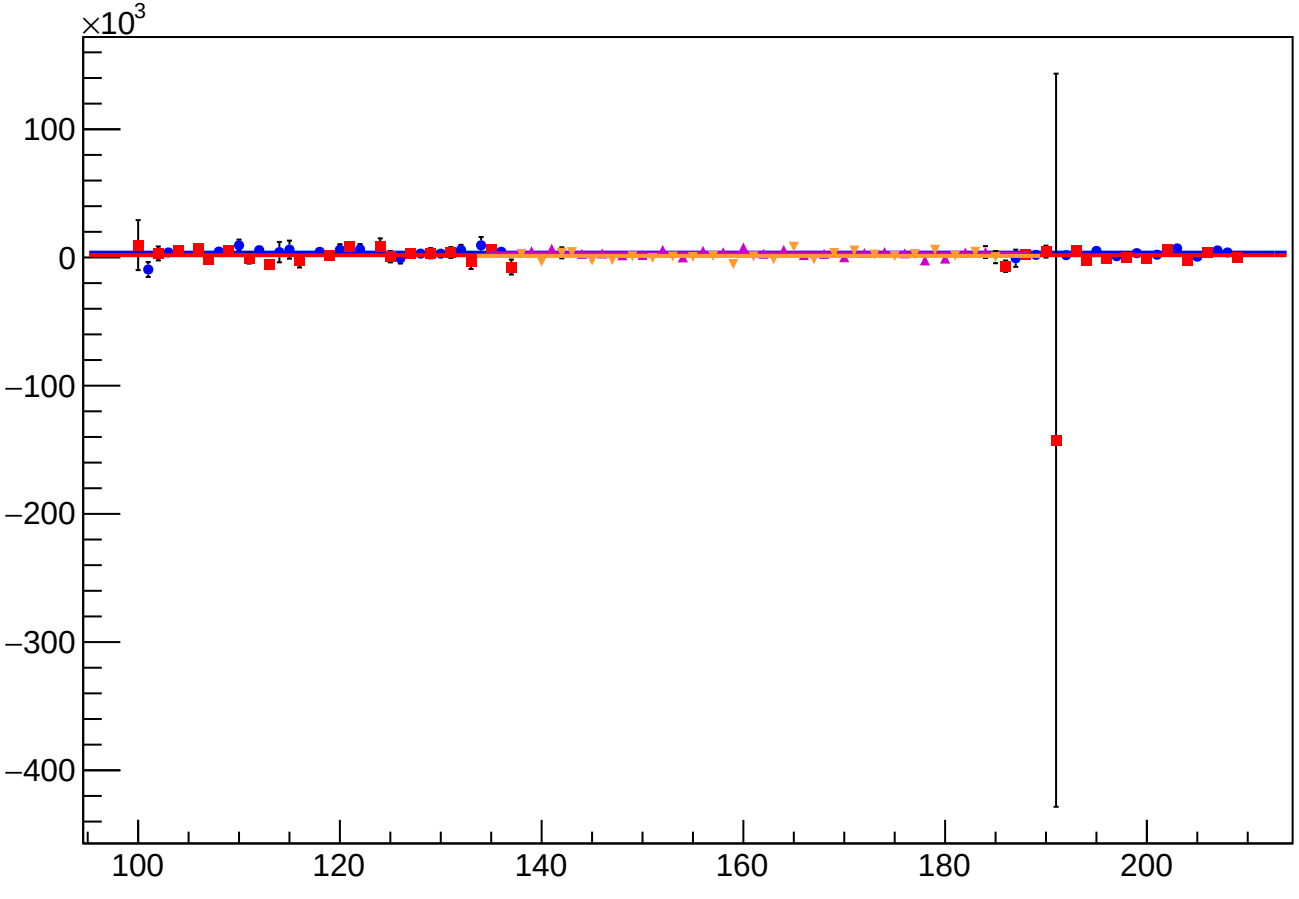
8000
6000
4000
2000
100
120
140
160
180
200
Right In: 9643.064+/-1.808 χ²/NDF: 3003828.7/26
Left Out: 8759.625+/-1.440 χ²/NDF:1222248.8/24
Right Out: 8765.002+/-1.641 χ²/NDF: 5241909.7/31
Left In: 8764.132+/-1.478 χ²/NDF:1291700.3/22
Left: 8761.819+/-1.031 χ²/NDF: 2513953.9/47
Right: 9161.810+/-1.215 χ²/NDF: 8375069.4/58
In: 9116.448+/-1.144 χ²/NDF:4437190.5/49
Out: 8761.963+/-1.082 χ²/NDF:6464164.6/56
All: 8929.325+/-0.786 χ²/NDF: 10952001.8/1

dit_asym_atr2_mean vs Slug, Sign Corrected



Right In: 3761.259+/-684.750 χ^2/NDF: 15.4/26

Left Out: 1213.875+/-579.693 χ^2/NDF:26.8/24

Right Out: 1777.098+/-664.532 χ^2/NDF: 31.9/31

Left In: 3150.265+/-592.116 χ^2/NDF:16.5/22

Left: 2161.543+/-414.227 χ^2/NDF: 48.7/47

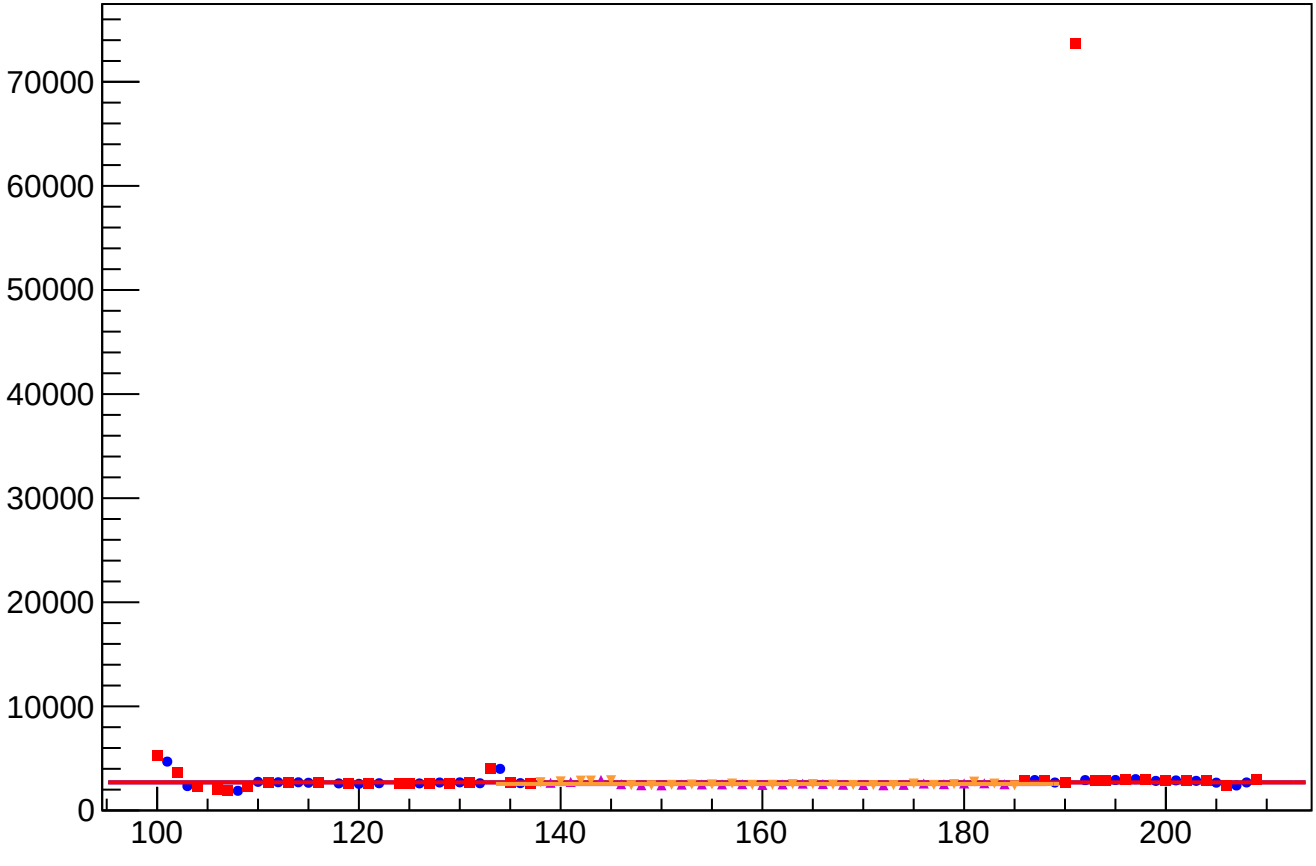
Right: 2739.454+/-476.882 χ^2/NDF: 51.6/58

In: 3411.668+/-447.887 χ^2/NDF:32.3/49

Out: 1457.260+/-436.840 χ^2/NDF:59.2/56

All: 2410.065+/-312.725 χ^2/NDF: 101.2/106

dit_asym_atr2_rms vs Slug, Sign Corrected



Right In: 2699.019+/-0.484 χ^2/NDF: 583675.6/26

Left Out: 2547.154+/-0.410 χ^2/NDF:117298.5/24

Right Out: 2699.313+/-0.470 χ^2/NDF: 683213.2/31

Left In: 2532.772+/-0.419 χ^2/NDF:68441.1/22

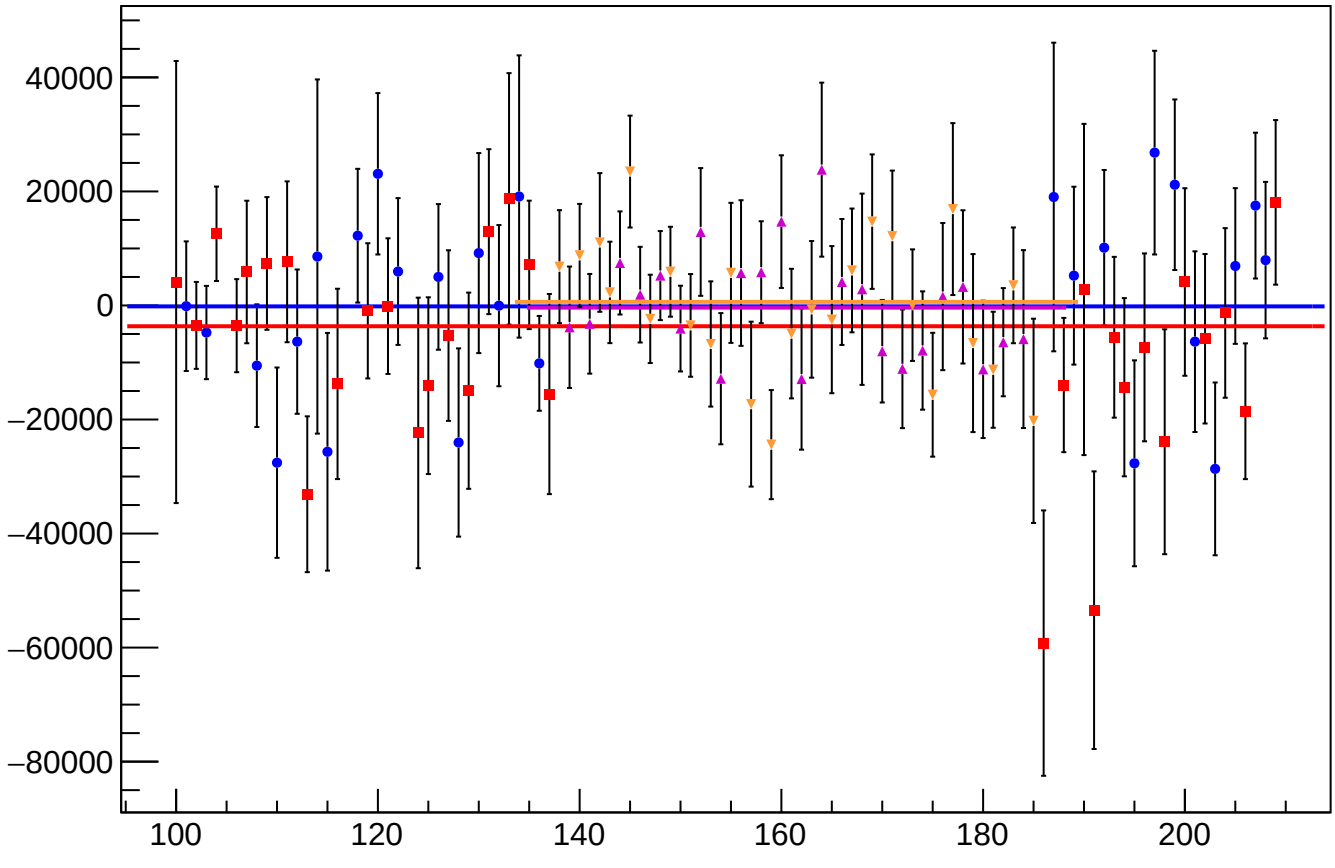
Left: 2540.116+/-0.293 χ^2/NDF: 186342.1/47

Right: 2699.171+/-0.337 χ^2/NDF: 1266889.0/58

In: 2603.898+/-0.317 χ^2/NDF:719569.5/49

Out: 2612.927+/-0.309 χ^2/NDF:860075.1/56

All: 2608.526+/-0.221 χ^2/NDF: 1580061.2/10



Right In: -160.080+/-2638.716 χ^2/NDF: 28.4/26

Left Out: 631.360+/-2123.101 χ^2/NDF:26.7/24

Right Out: -3643.489+/-2403.753 χ^2/NDF: 32.8/31

Left In: -377.922+/-2176.347 χ^2/NDF:14.2/22

Left: 139.216+/-1519.735 χ^2/NDF: 41.0/47

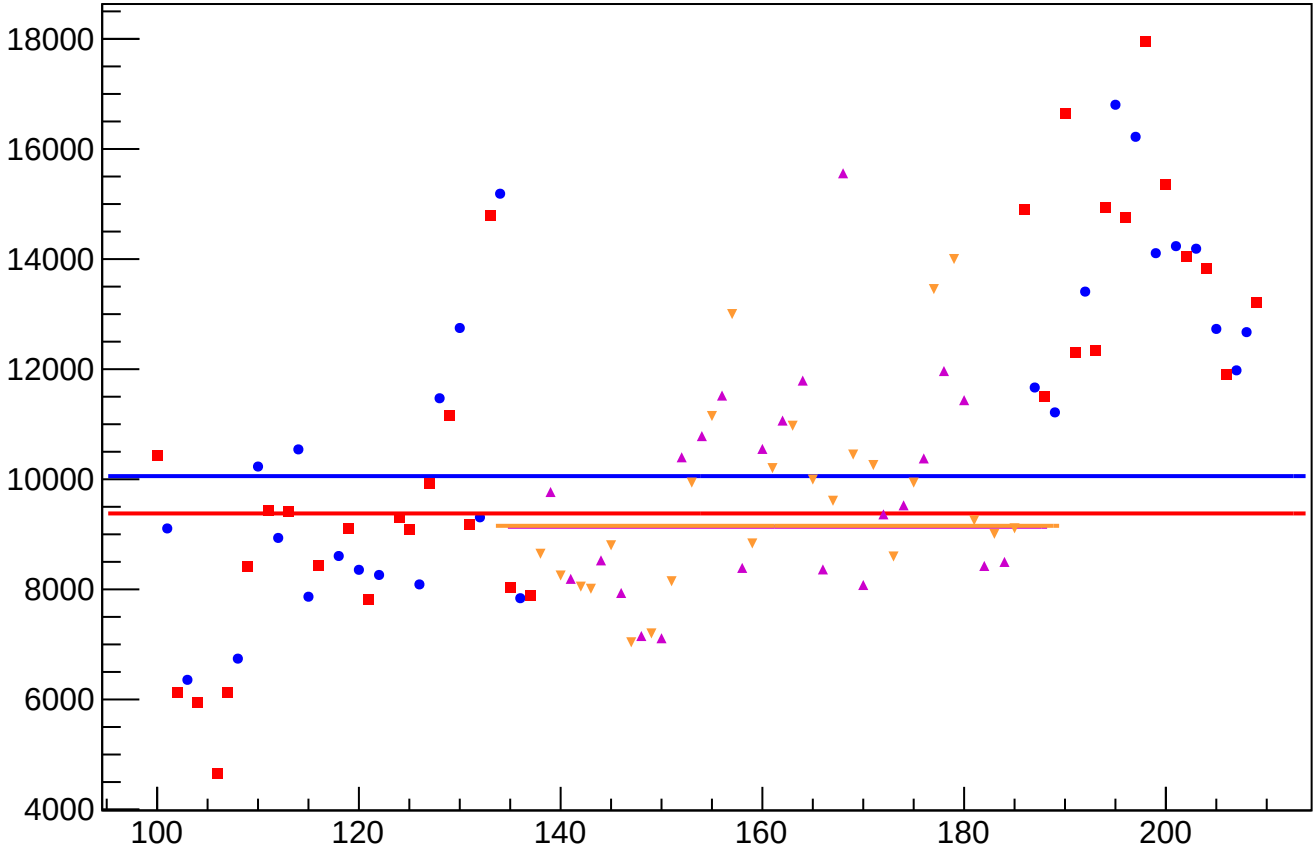
Right: -2063.749+/-1776.983 χ^2/NDF: 62.2/58

In: -289.729+/-1678.961 χ^2/NDF:42.7/49

Out: -1242.051+/-1591.278 χ^2/NDF:61.2/56

All: -791.406+/-1154.958 χ^2/NDF: 104.1/106

asym_atr2_dit_correction_rms vs Slug, Sign Corrected



Right In: 10057.596+/-1.866 χ^2/NDF: 2378740.7/26

Left Out: 9154.688+/-1.501 χ^2/NDF:1072073.9/24

Right Out: 9379.313+/-1.700 χ^2/NDF: 3894961.7/31

Left In: 9137.576+/-1.539 χ^2/NDF:1172792.2/22

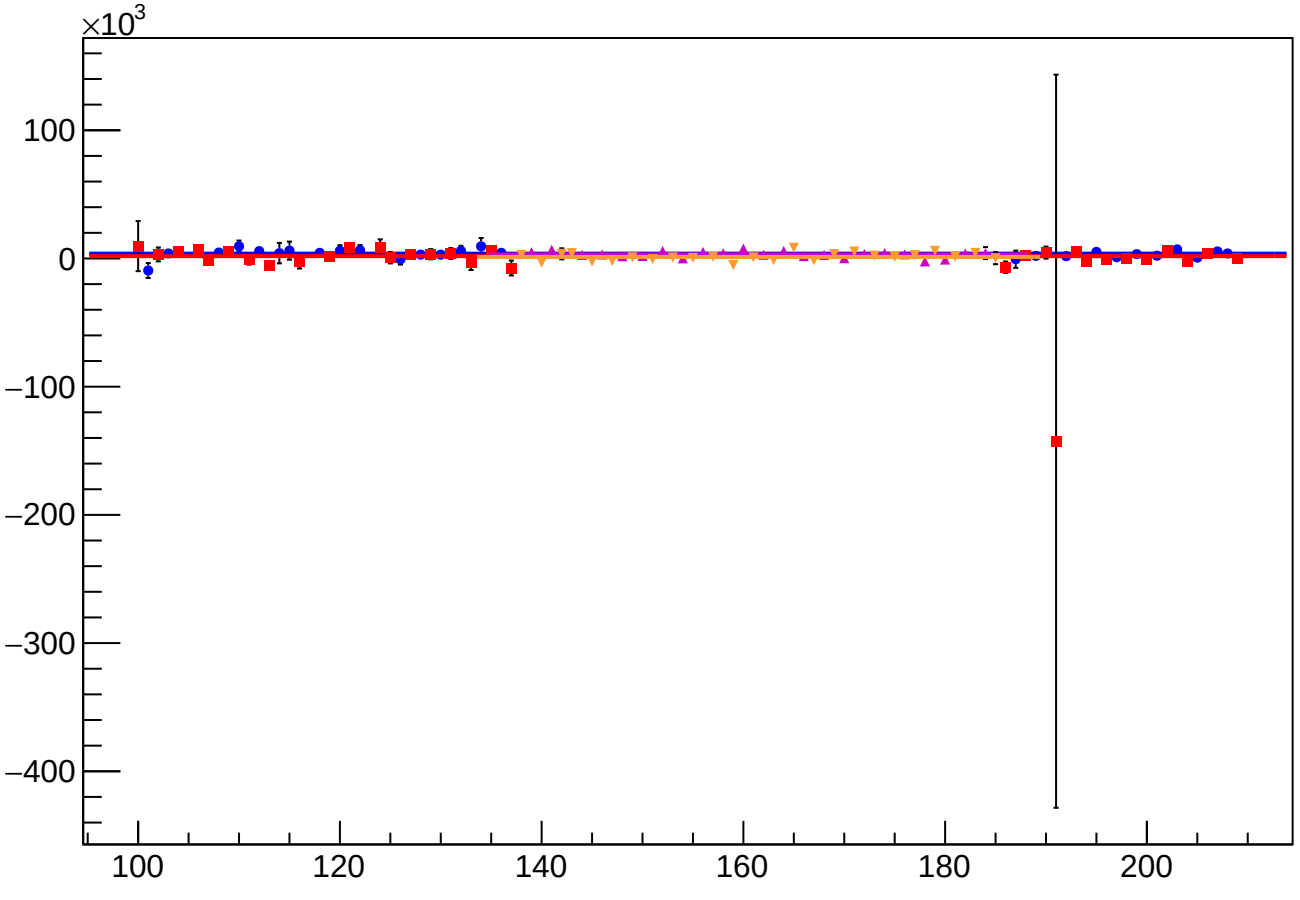
Left: 9146.344+/-1.075 χ^2/NDF: 2244929.5/47

Right: 9686.917+/-1.257 χ^2/NDF: 6345921.9/58

In: 9510.048+/-1.187 χ^2/NDF:3696231.5/49

Out: 9253.128+/-1.125 χ^2/NDF:4976846.7/56

All: 9374.704+/-0.817 χ^2/NDF: 8697749.1/10



Right In: 3761.257+/-684.750 χ^2/NDF: 15.4/26

Left Out: 1213.864+/-579.693 χ^2/NDF:26.8/24

Right Out: 1777.100+/-664.532 χ^2/NDF: 31.9/31

Left In: 3150.264+/-592.117 χ^2/NDF:16.5/22

Left: 2161.537+/-414.228 χ^2/NDF: 48.7/47

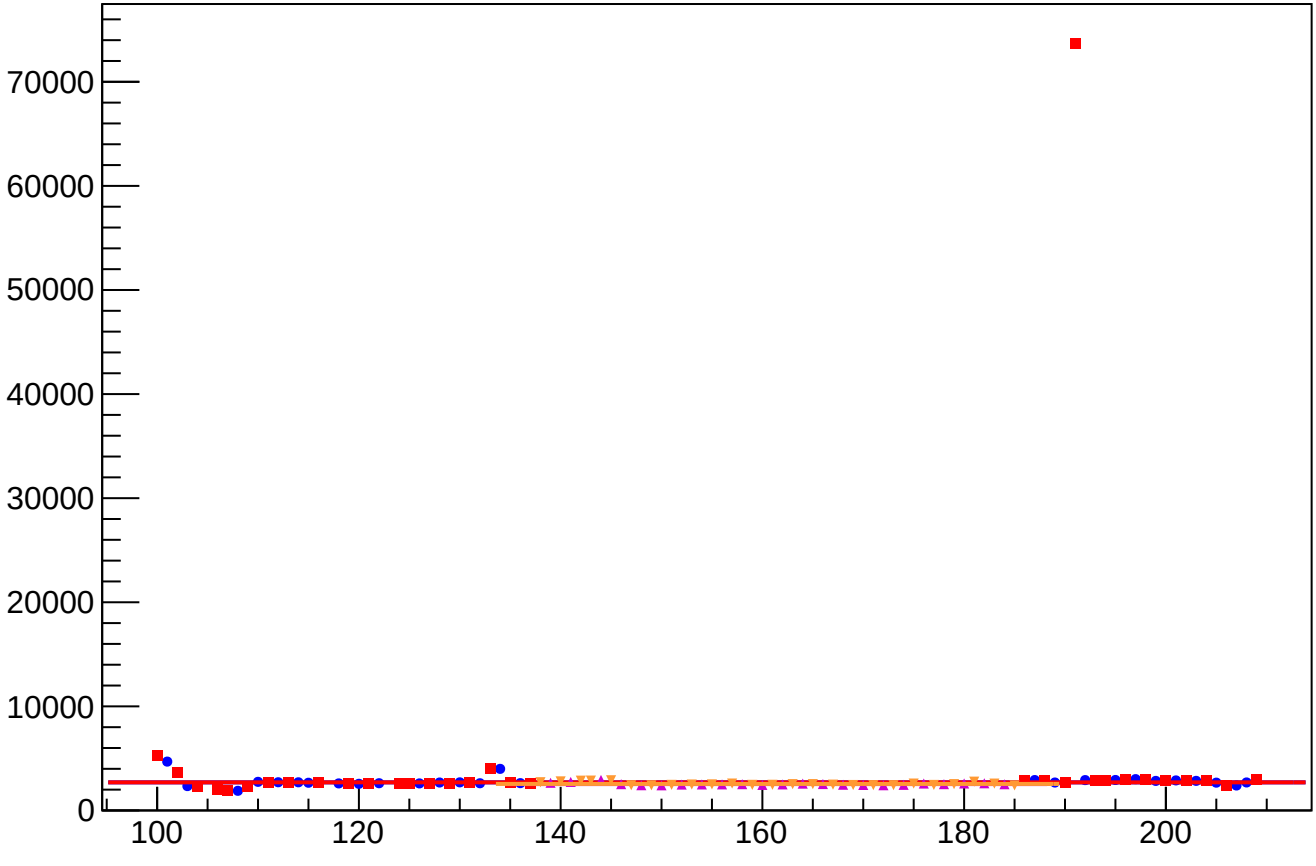
Right: 2739.454+/-476.882 χ^2/NDF: 51.6/58

In: 3411.667+/-447.887 χ^2/NDF:32.3/49

Out: 1457.255+/-436.840 χ^2/NDF:59.2/56

All: 2410.062+/-312.725 χ^2/NDF: 101.2/106

eigen_dit_asym_atr2_rms vs Slug, Sign Corrected



Right In: 2699.019+/-0.484 χ^2/NDF: 583676.2/26

Left Out: 2547.156+/-0.410 χ^2/NDF:117298.5/24

Right Out: 2699.313+/-0.470 χ^2/NDF: 683213.4/31

Left In: 2532.774+/-0.419 χ^2/NDF:68440.8/22

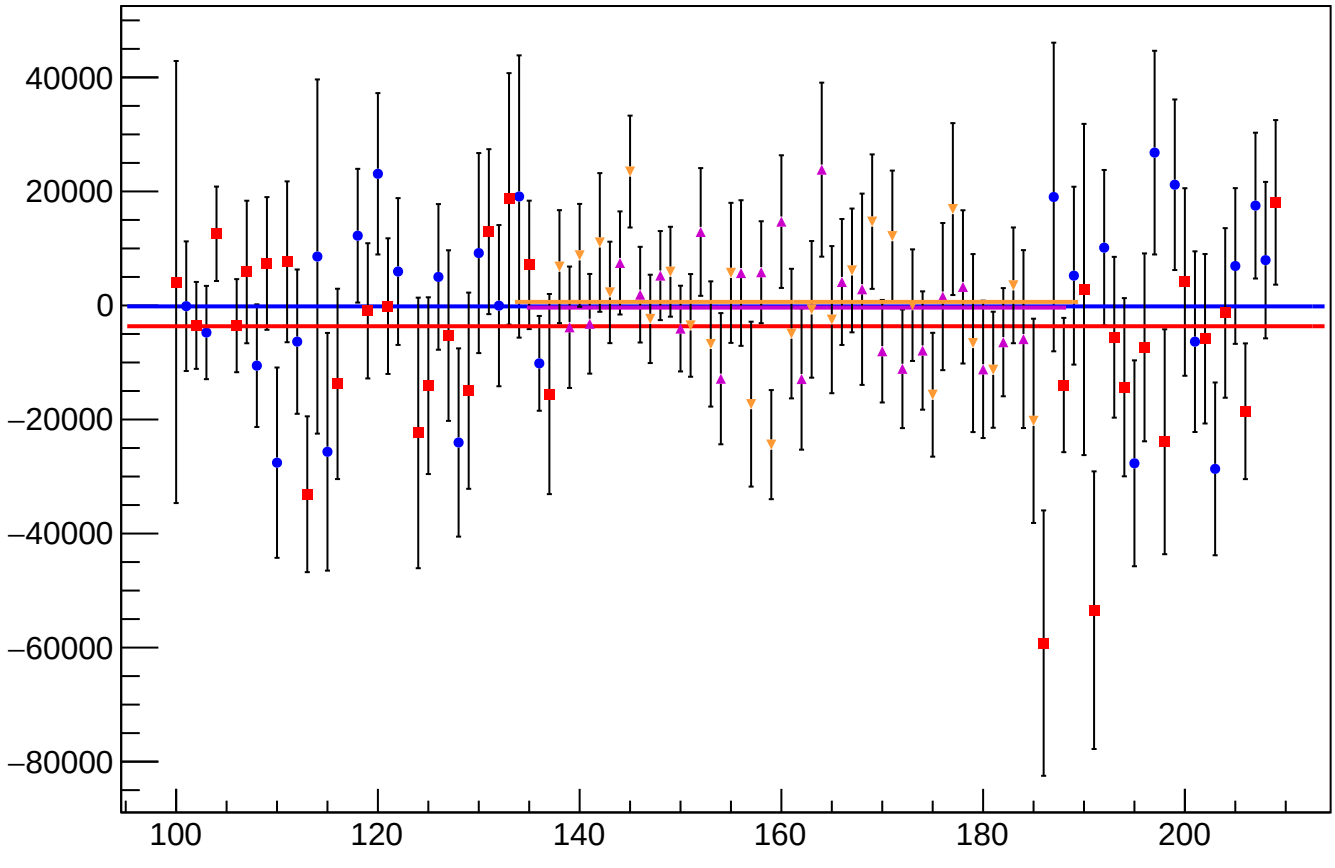
Left: 2540.117+/-0.293 χ^2/NDF: 186341.7/47

Right: 2699.171+/-0.337 χ^2/NDF: 1266889.8/58

In: 2603.899+/-0.317 χ^2/NDF:719567.8/49

Out: 2612.928+/-0.309 χ^2/NDF:860074.1/56

All: 2608.527+/-0.221 χ^2/NDF: 1580058.6/10



Right In: -160.064+/-2638.715 χ^2/NDF: 28.4/26

Left Out: 631.356+/-2123.104 χ^2/NDF:26.7/24

Right Out: -3643.481+/-2403.751 χ^2/NDF: 32.8/31

Left In: -377.927+/-2176.350 χ^2/NDF:14.2/22

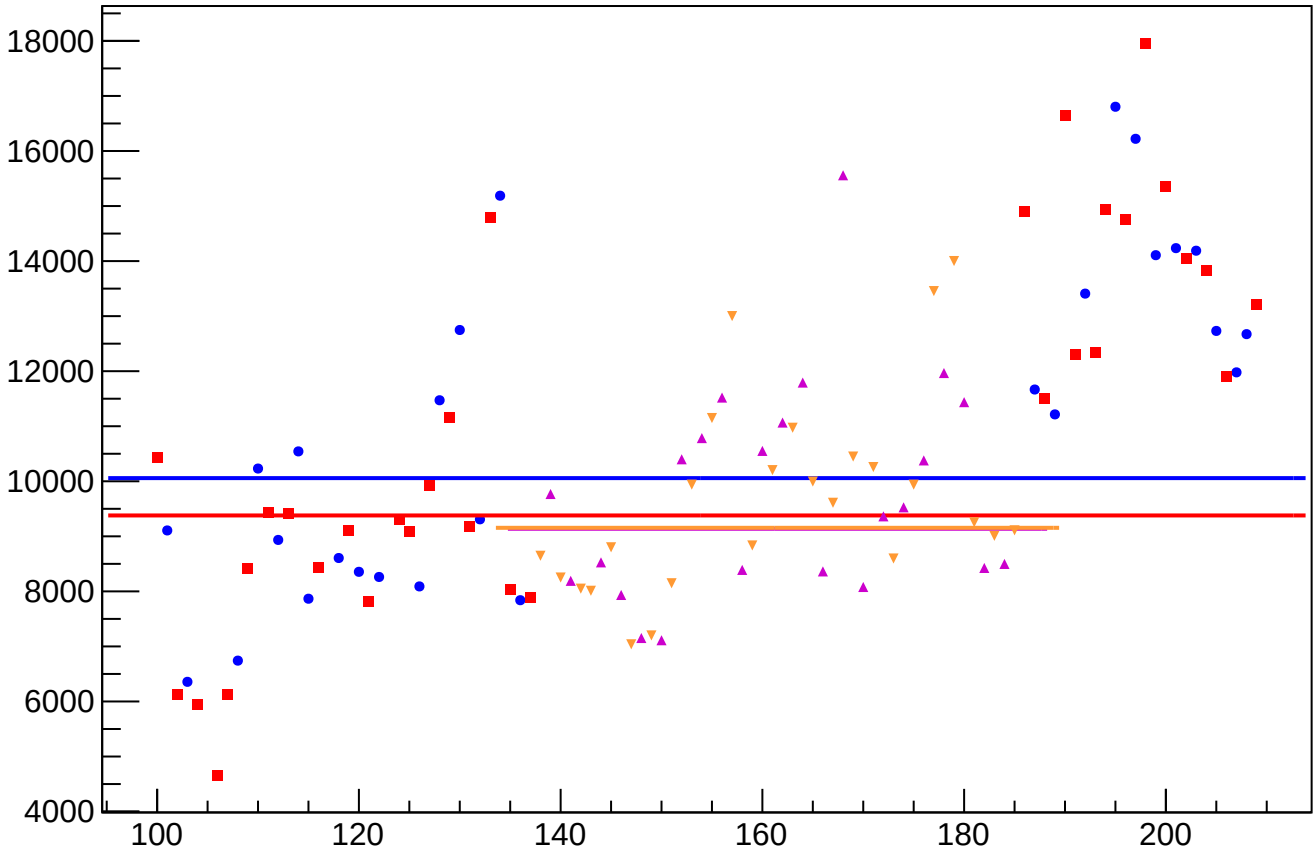
Left: 139.212+/-1519.737 χ^2/NDF: 41.0/47

Right: -2063.738+/-1776.982 χ^2/NDF: 62.2/58

In: -289.725+/-1678.963 χ^2/NDF:42.7/49

Out: -1242.055+/-1591.278 χ^2/NDF:61.2/56

All: -791.406+/-1154.958 χ^2/NDF: 104.1/106



Right In: 10057.590+/-1.866 χ^2/NDF: 2378752.7/26

Left Out: 9154.703+/-1.501 χ^2/NDF:1072075.9/24

Right Out: 9379.302+/-1.700 χ^2/NDF: 3894979.5/31

Left In: 9137.590+/-1.539 χ^2/NDF:1172796.0/22

Left: 9146.358+/-1.075 χ^2/NDF: 2244935.3/47

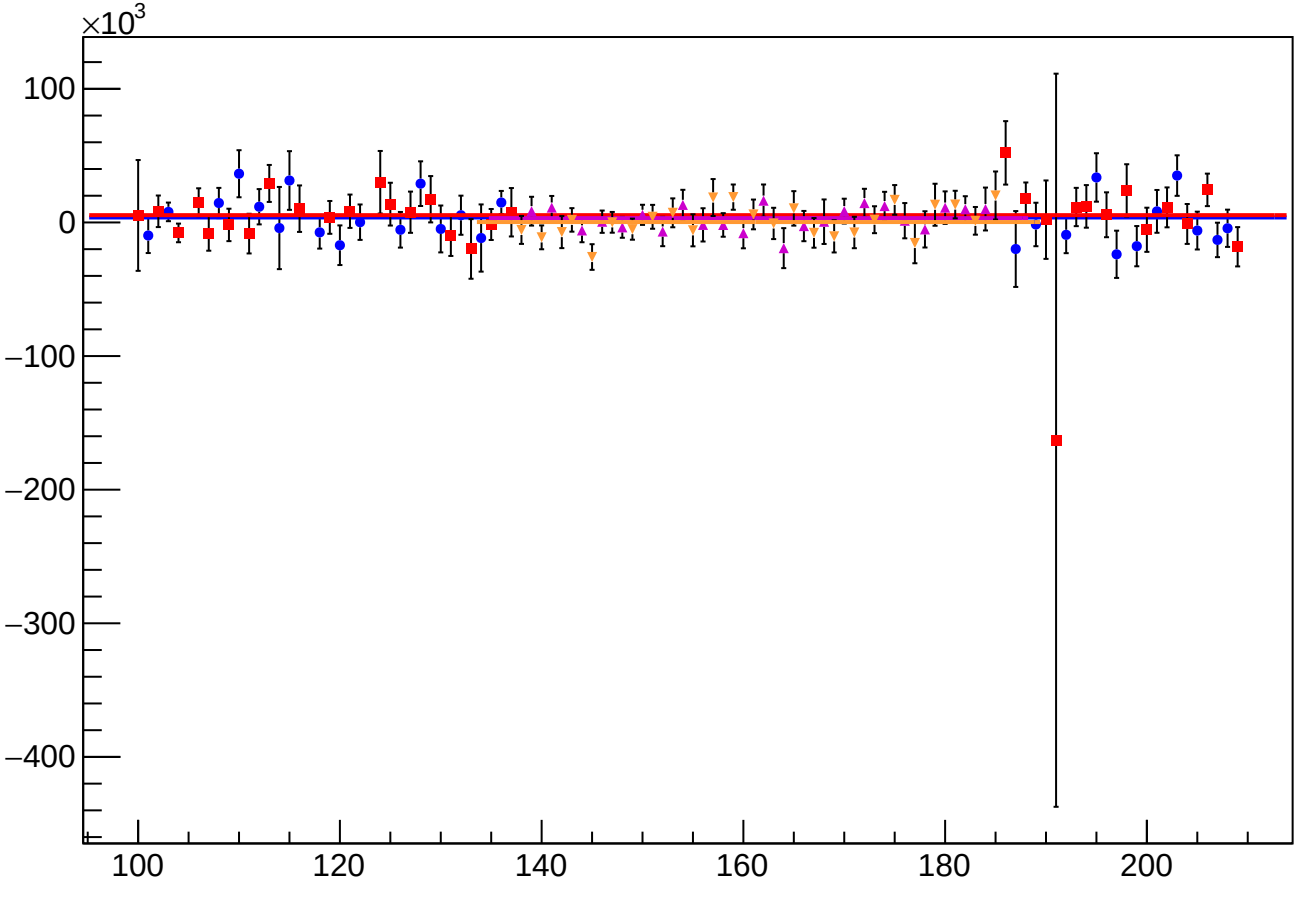
Right: 9686.908+/-1.257 χ^2/NDF: 6345952.6/58

In: 9510.054+/-1.187 χ^2/NDF:3696240.8/49

Out: 9253.132+/-1.125 χ^2/NDF:4976864.3/56

All: 9374.709+/-0.817 χ^2/NDF: 8697776.4/10

asym_atr2_mean vs Slug, Sign Corrected



Right In: 3715.149+/-2666.405 χ^2/NDF: 31.5/26

Left Out: 295.038+/-2125.383 χ^2/NDF:26.3/24

Right Out: 5458.272+/-2540.307 χ^2/NDF: 26.8/31

Left In: 3233.667+/-2179.845 χ^2/NDF:13.6/22

Left: 1727.184+/-1521.763 χ^2/NDF: 40.8/47

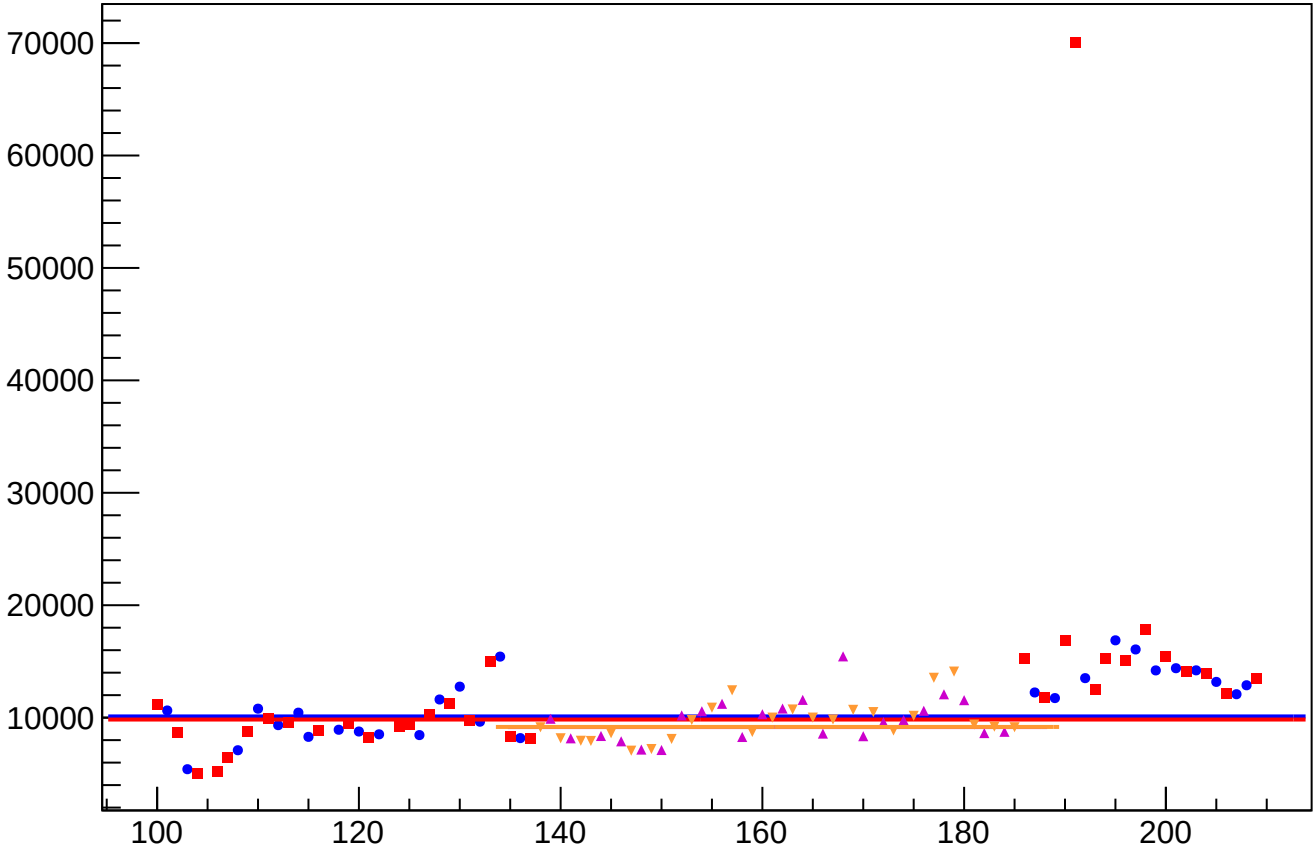
Right: 4628.901+/-1839.232 χ^2/NDF: 58.5/58

In: 3426.550+/-1687.652 χ^2/NDF:45.1/49

Out: 2421.087+/-1630.091 χ^2/NDF:55.5/56

All: 2906.380+/-1172.470 χ^2/NDF: 100.8/106

asym_atr2_rms vs Slug, Sign Corrected



Right In: 10108.444+/-1.885 χ^2/NDF: 2741329.8/26

Left Out: 9172.826+/-1.503 χ^2/NDF:1056946.9/24

Right Out: 9831.493+/-1.796 χ^2/NDF: 3702225.7/31

Left In: 9162.276+/-1.541 χ^2/NDF:1127533.4/22

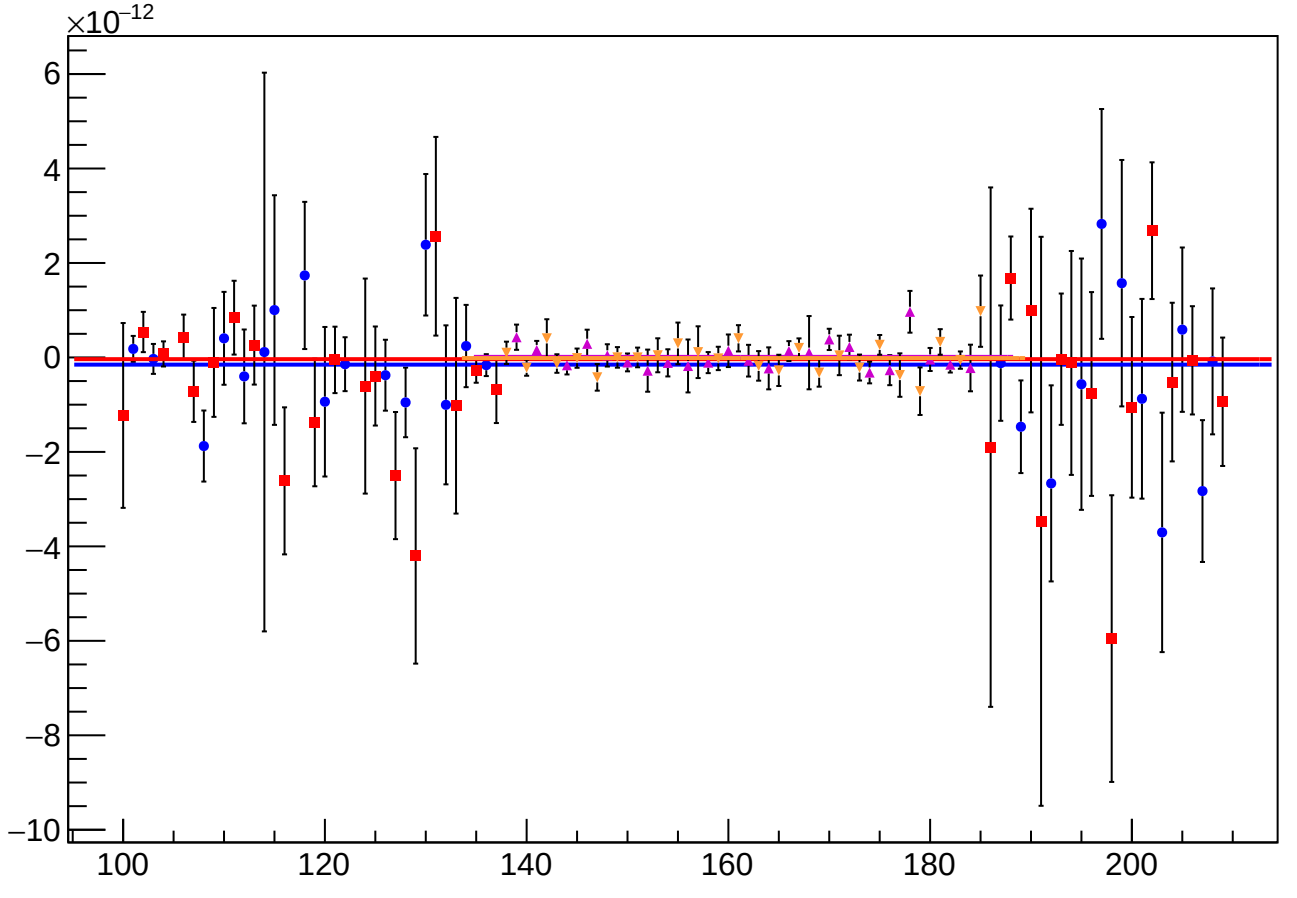
Left: 9167.685+/-1.076 χ^2/NDF: 2184504.3/47

Right: 9963.262+/-1.301 χ^2/NDF: 6454866.3/58

In: 9541.314+/-1.193 χ^2/NDF:4019811.8/49

Out: 9444.050+/-1.153 χ^2/NDF:4838267.6/56

All: 9490.994+/-0.829 χ^2/NDF: 8861516.2/10



Right In: -0.000+/-0.000 χ^2/NDF: 24.5/26

Left Out: -0.000+/-0.000 χ^2/NDF:19.4/24

Right Out: -0.000+/-0.000 χ^2/NDF: 32.4/31

Left In: 0.000+/-0.000 χ^2/NDF:19.2/22

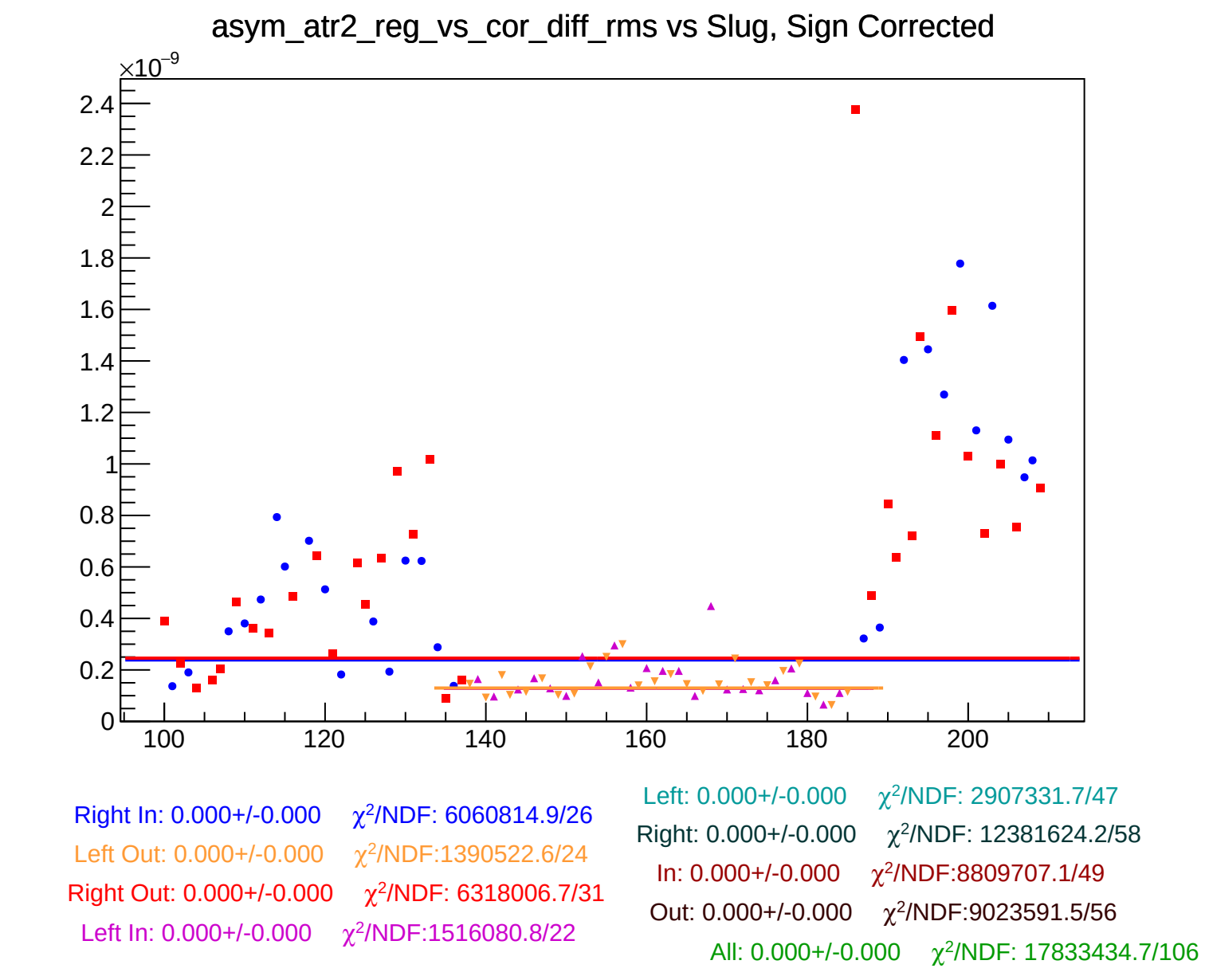
Left: -0.000+/-0.000 χ^2/NDF: 38.7/47

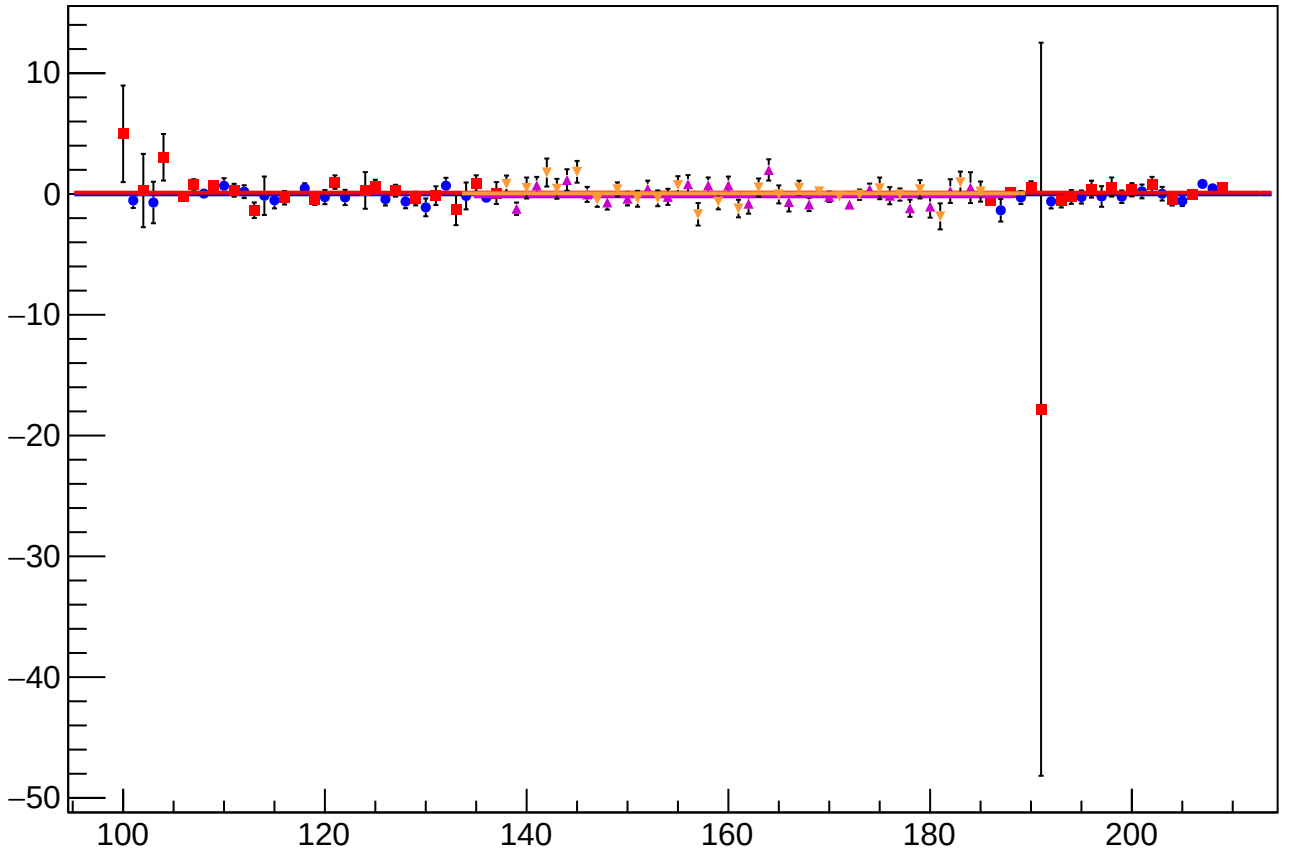
Right: -0.000+/-0.000 χ^2/NDF: 57.3/58

In: -0.000+/-0.000 χ^2/NDF:45.0/49

Out: -0.000+/-0.000 χ^2/NDF:51.8/56

All: -0.000+/-0.000 χ^2/NDF: 96.8/106


asym_atr2_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
2.4
2.2
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
100
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 6060814.9/26
Left Out: 0.000+/-0.000 χ²/NDF:1390522.6/24
Right Out: 0.000+/-0.000 χ²/NDF: 6318006.7/31
Left In: 0.000+/-0.000 χ²/NDF:1516080.8/22
Left: 0.000+/-0.000 χ²/NDF: 2907331.7/47
Right: 0.000+/-0.000 χ²/NDF: 12381624.2/58
In: 0.000+/-0.000 χ²/NDF:8809707.1/49
Out: 0.000+/-0.000 χ²/NDF:9023591.5/56
All: 0.000+/-0.000 χ²/NDF: 17833434.7/106



Right In: -0.027+/-0.104 χ^2/NDF: 24.1/26

Left Out: 0.054+/-0.130 χ^2/NDF:24.7/24

Right Out: 0.109+/-0.091 χ^2/NDF: 35.2/31

Left In: -0.191+/-0.133 χ^2/NDF:31.1/22

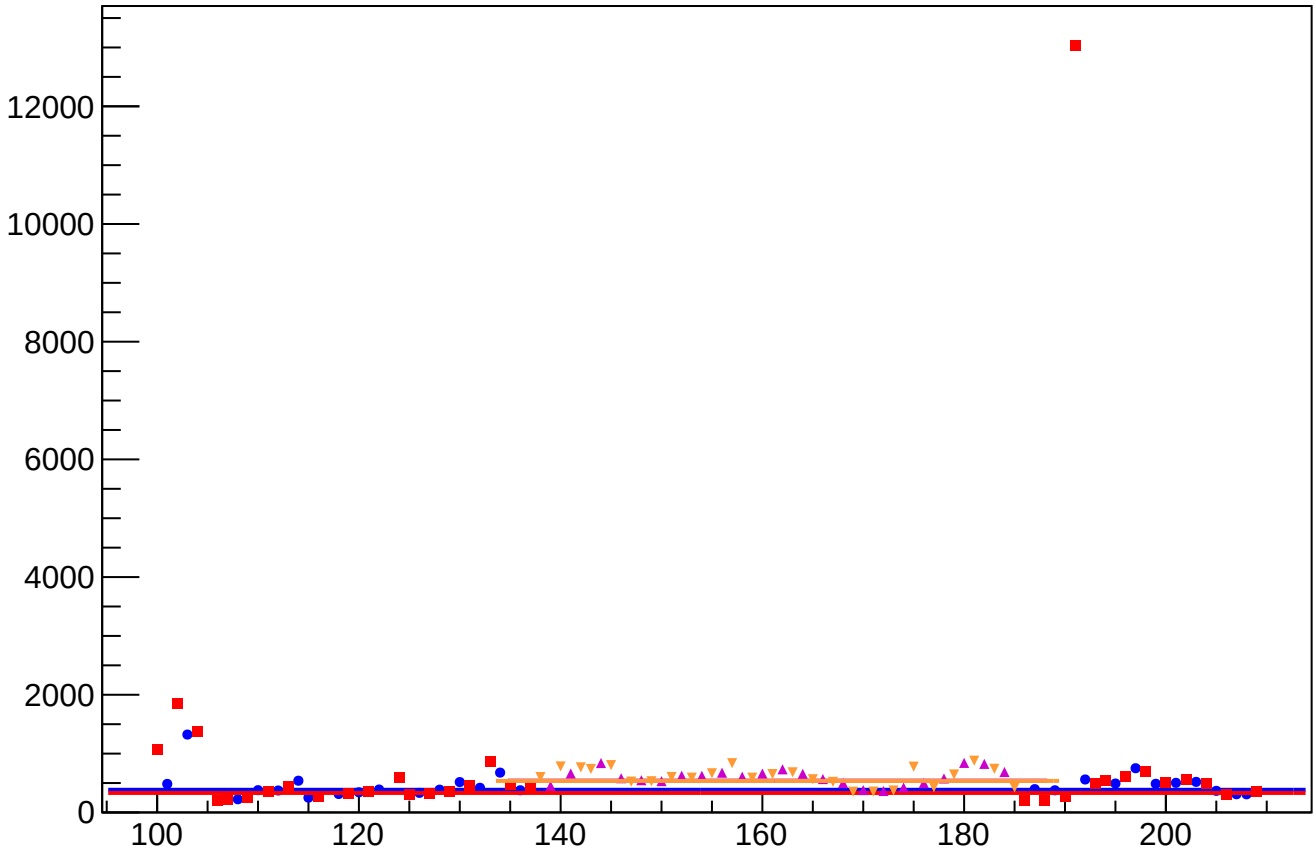
Left: -0.065+/-0.093 χ^2/NDF: 57.6/47

Right: 0.050+/-0.068 χ^2/NDF: 60.3/58

In: -0.089+/-0.082 χ^2/NDF:56.2/49

Out: 0.091+/-0.074 χ^2/NDF:60.1/56

All: 0.010+/-0.055 χ^2/NDF: 118.9/106



Right In: 384.996+/-0.073 χ^2/NDF: 2538390.8/26

Left Out: 535.943+/-0.092 χ^2/NDF:2749736.4/24

Right Out: 331.552+/-0.064 χ^2/NDF: 5475719.6/31

Left In: 540.804+/-0.094 χ^2/NDF:1904998.0/22

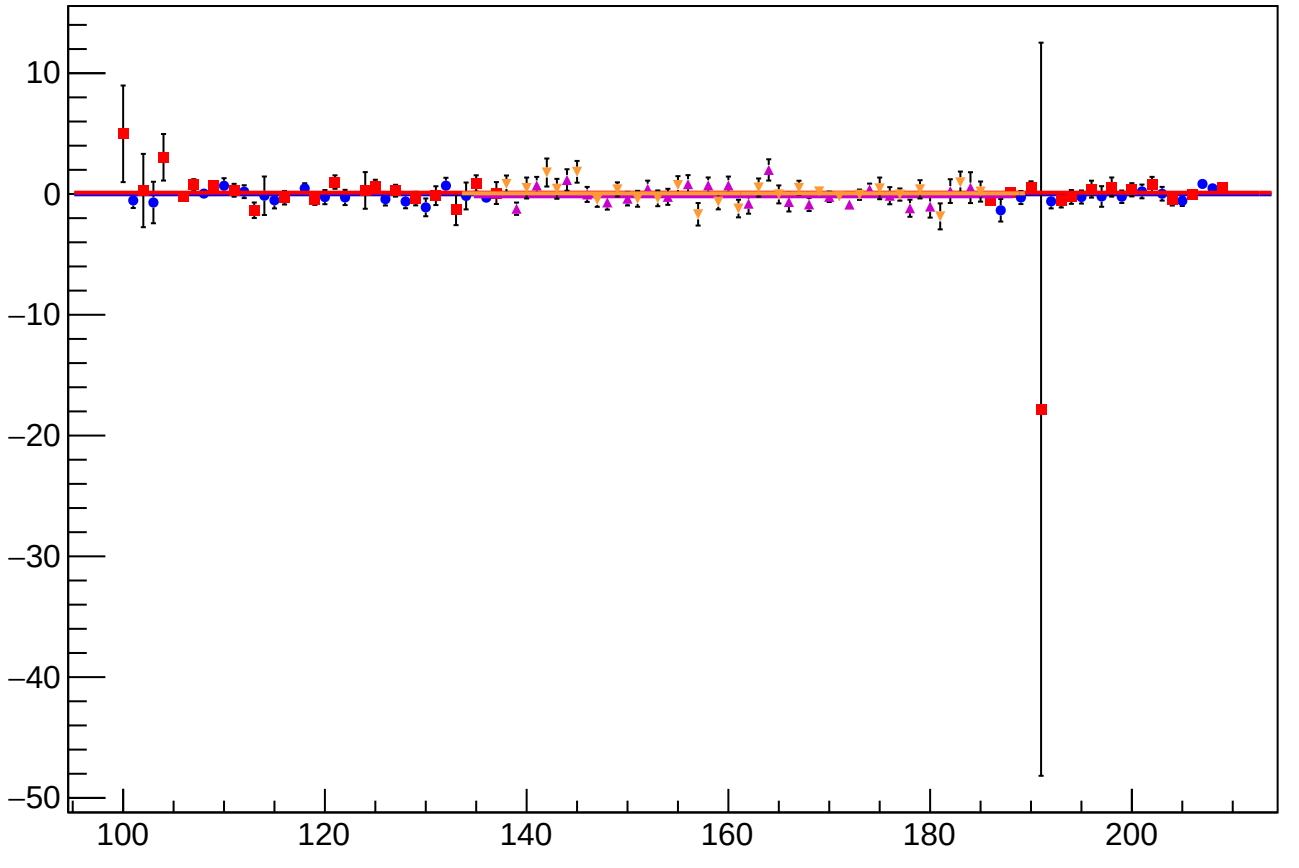
Left: 538.306+/-0.066 χ^2/NDF: 4656104.0/47

Right: 354.744+/-0.048 χ^2/NDF: 8315397.3/58

In: 443.758+/-0.058 χ^2/NDF:6149544.2/49

Out: 398.826+/-0.053 χ^2/NDF:11567736.0/56

All: 419.147+/-0.039 χ^2/NDF: 18048118.7/10



Right In: -0.027+/-0.104 χ^2/NDF: 24.1/26

Left Out: 0.054+/-0.130 χ^2/NDF:24.7/24

Right Out: 0.109+/-0.091 χ^2/NDF: 35.2/31

Left In: -0.191+/-0.133 χ^2/NDF:31.1/22

Left: -0.065+/-0.093 χ^2/NDF: 57.6/47

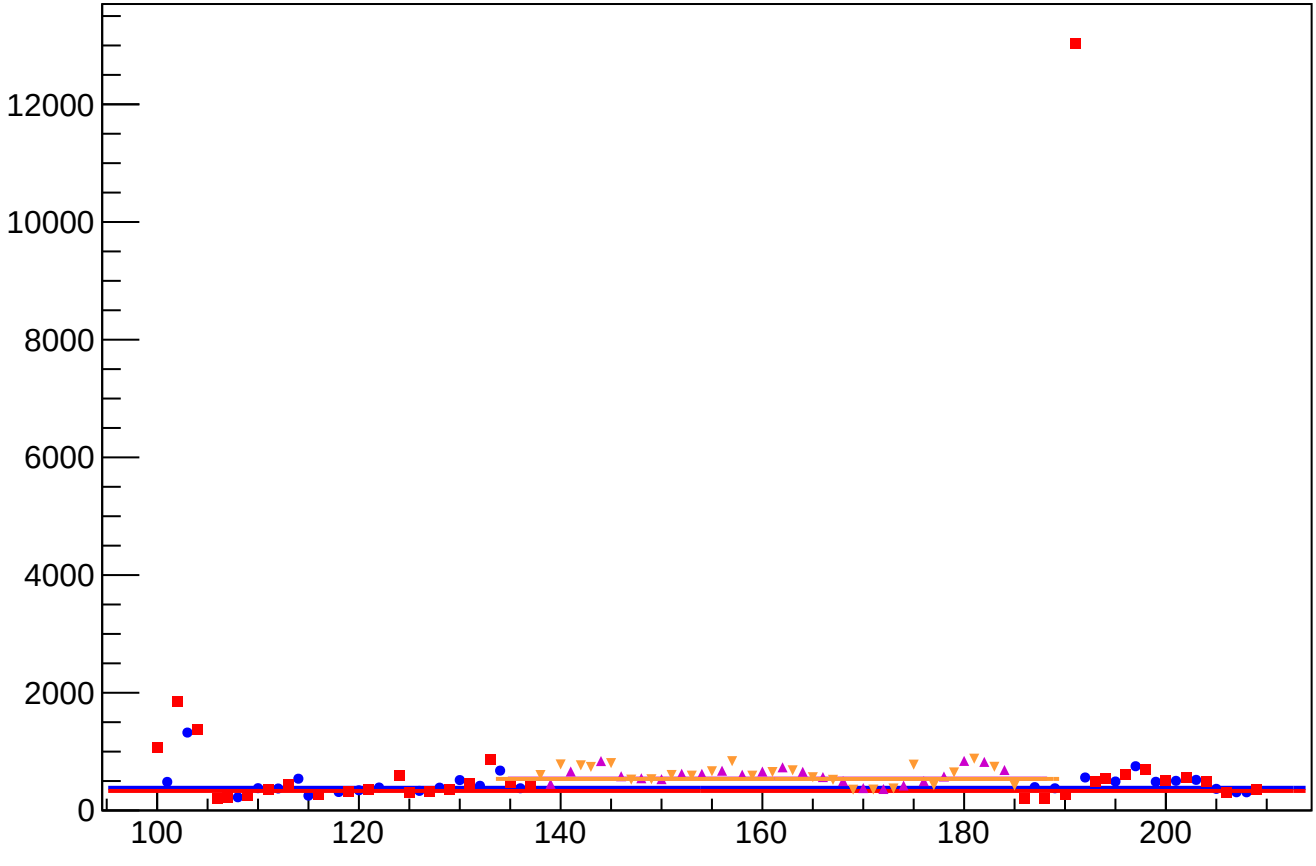
Right: 0.050+/-0.068 χ^2/NDF: 60.3/58

In: -0.089+/-0.082 χ^2/NDF:56.2/49

Out: 0.091+/-0.074 χ^2/NDF:60.1/56

All: 0.010+/-0.055 χ^2/NDF: 118.9/106

asym_atr2_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 384.996+/-0.073 χ^2/NDF: 2538390.8/26

Left Out: 535.943+/-0.092 χ^2/NDF:2749736.4/24

Right Out: 331.552+/-0.064 χ^2/NDF: 5475719.6/31

Left In: 540.804+/-0.094 χ^2/NDF:1904998.0/22

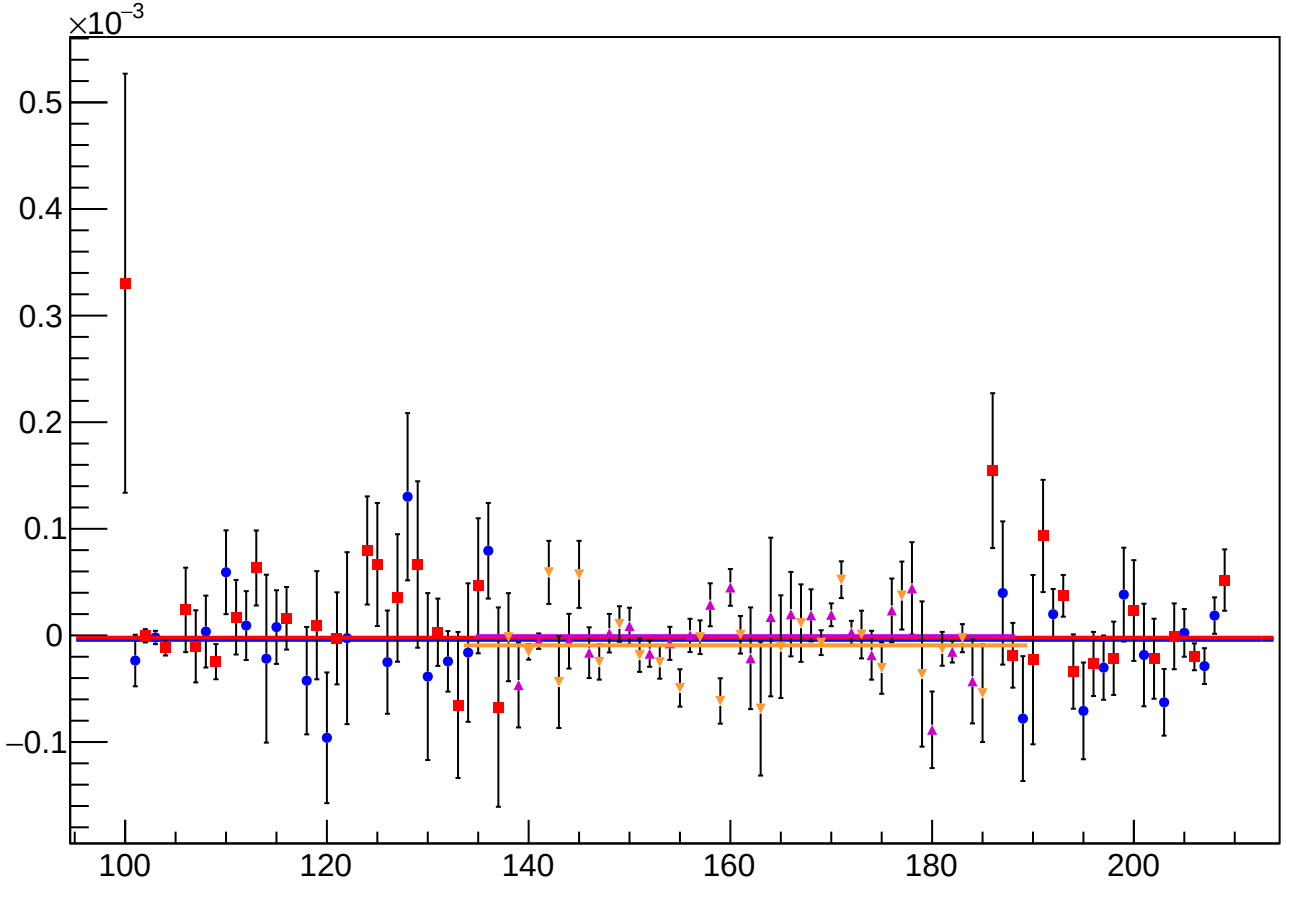
Left: 538.306+/-0.066 χ^2/NDF: 4656104.0/47

Right: 354.744+/-0.048 χ^2/NDF: 8315397.3/58

In: 443.758+/-0.058 χ^2/NDF:6149544.2/49

Out: 398.826+/-0.053 χ^2/NDF:11567736.0/56

All: 419.147+/-0.039 χ^2/NDF: 18048118.7/10



Right In: -0.000+/-0.000 χ^2/NDF: 28.4/26

Left Out: -0.000+/-0.000 χ^2/NDF:45.2/24

Right Out: -0.000+/-0.000 χ^2/NDF: 38.5/31

Left In: -0.000+/-0.000 χ^2/NDF:30.0/22

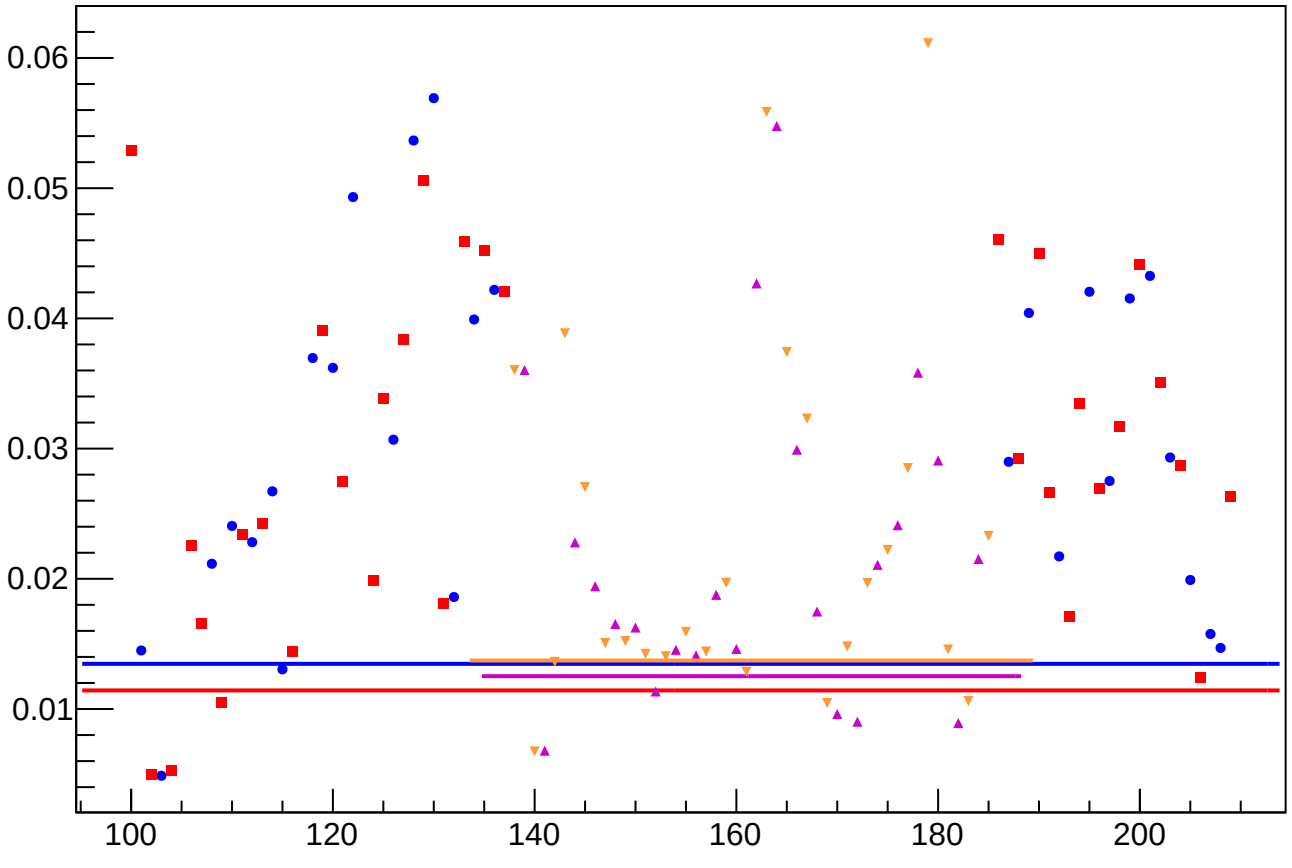
Left: -0.000+/-0.000 χ^2/NDF: 78.1/47

Right: -0.000+/-0.000 χ^2/NDF: 67.0/58

In: -0.000+/-0.000 χ^2/NDF:58.7/49

Out: -0.000+/-0.000 χ^2/NDF:85.6/56

All: -0.000+/-0.000 χ^2/NDF: 145.4/106



Right In: 0.013+/-0.000 χ^2/NDF: 12256998.1/26

Left Out: 0.014+/-0.000 χ^2/NDF:7717157.8/24

Right Out: 0.011+/-0.000 χ^2/NDF: 14657512.9/31

Left In: 0.013+/-0.000 χ^2/NDF:7121524.7/22

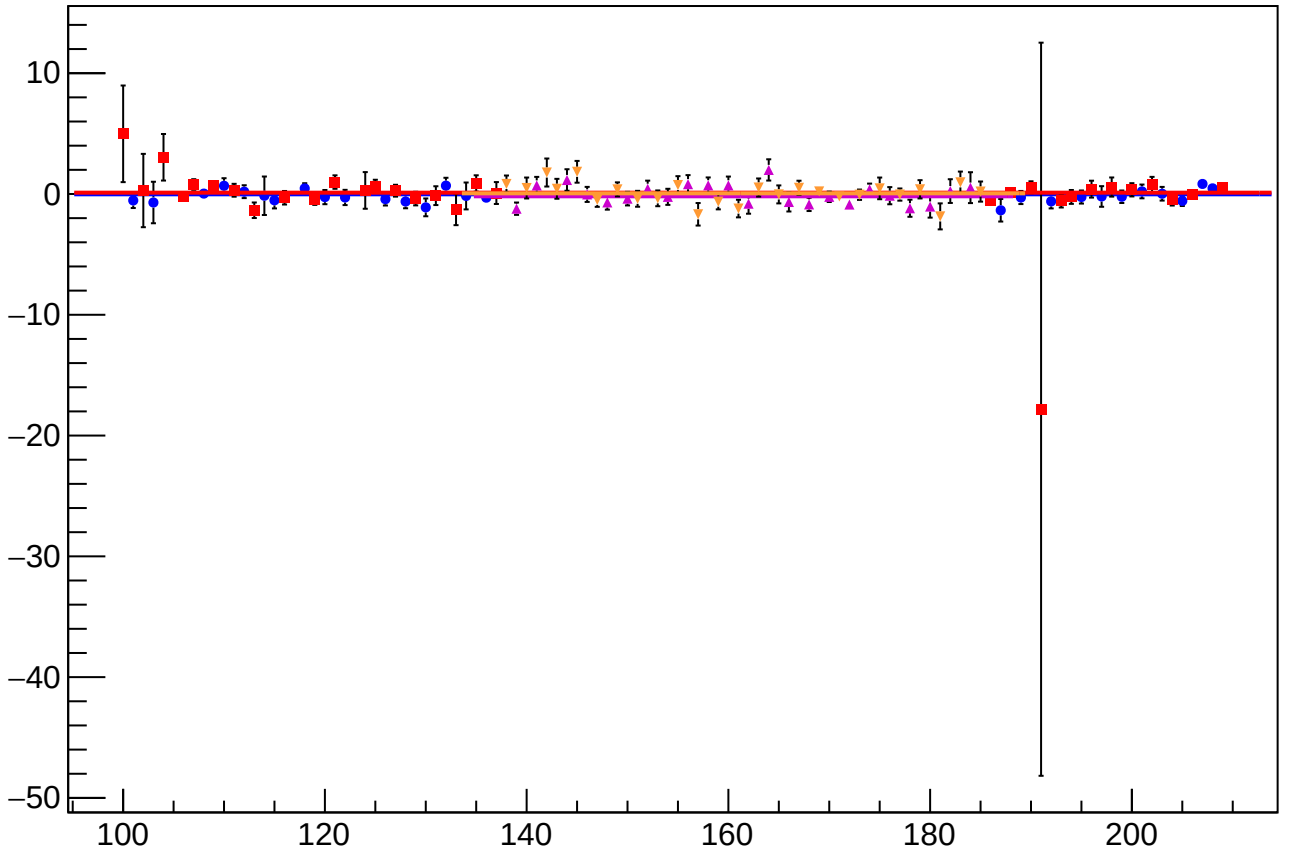
Left: 0.013+/-0.000 χ^2/NDF: 14955984.5/47

Right: 0.012+/-0.000 χ^2/NDF: 27158887.5/58

In: 0.013+/-0.000 χ^2/NDF:19434511.0/49

Out: 0.013+/-0.000 χ^2/NDF:22770445.4/56

All: 0.013+/-0.000 χ^2/NDF: 42214414.0/106



Right In: -0.027+/-0.104 χ^2/NDF: 24.1/26

Left Out: 0.054+/-0.130 χ^2/NDF:24.7/24

Right Out: 0.109+/-0.091 χ^2/NDF: 35.2/31

Left In: -0.191+/-0.133 χ^2/NDF:31.1/22

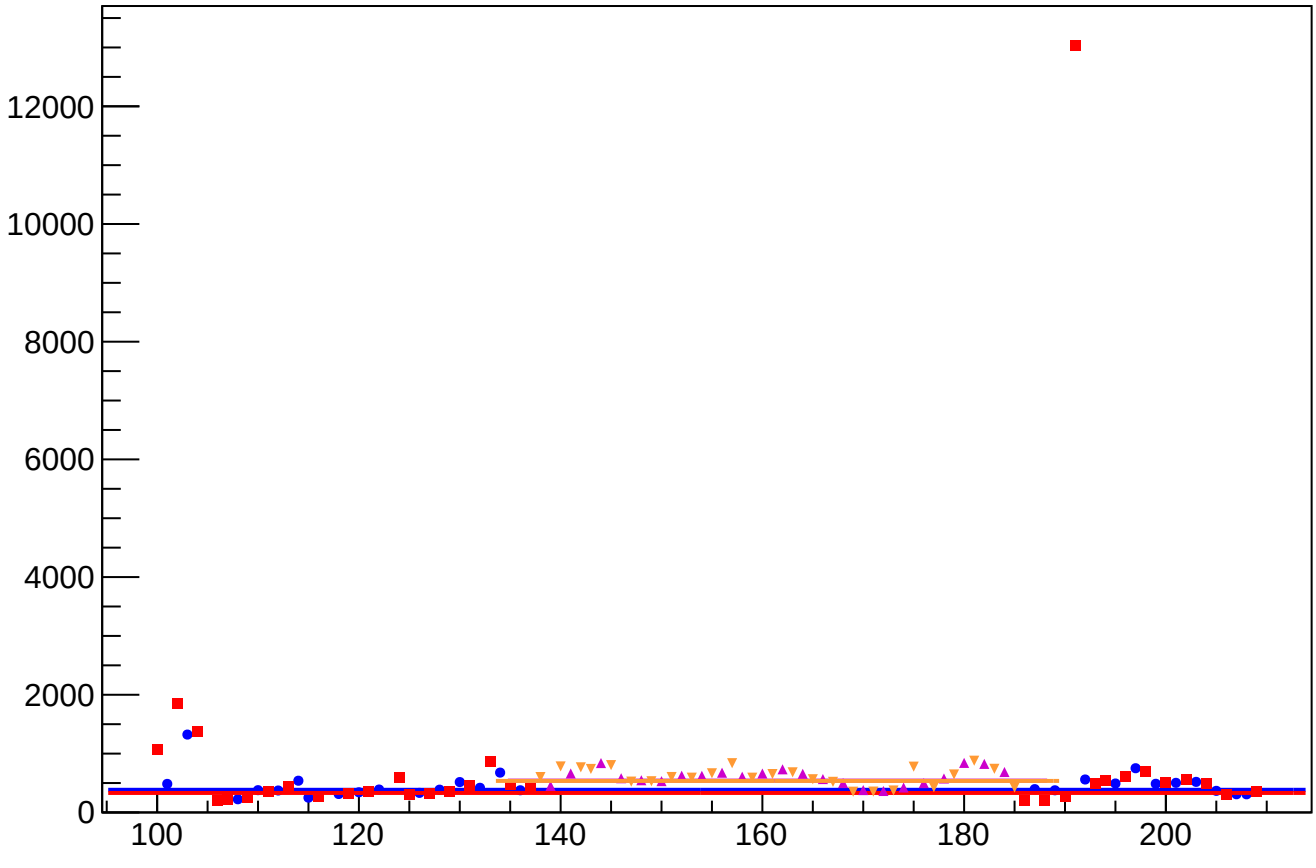
Left: -0.065+/-0.093 χ^2/NDF: 57.6/47

Right: 0.050+/-0.068 χ^2/NDF: 60.3/58

In: -0.089+/-0.082 χ^2/NDF:56.2/49

Out: 0.091+/-0.074 χ^2/NDF:60.1/56

All: 0.010+/-0.055 χ^2/NDF: 118.9/106



Right In: 384.994+/-0.073 χ^2/NDF: 2538412.8/26

Left Out: 535.948+/-0.092 χ^2/NDF:2749816.2/24

Right Out: 331.552+/-0.064 χ^2/NDF: 5475700.8/31

Left In: 540.809+/-0.094 χ^2/NDF:1905035.9/22

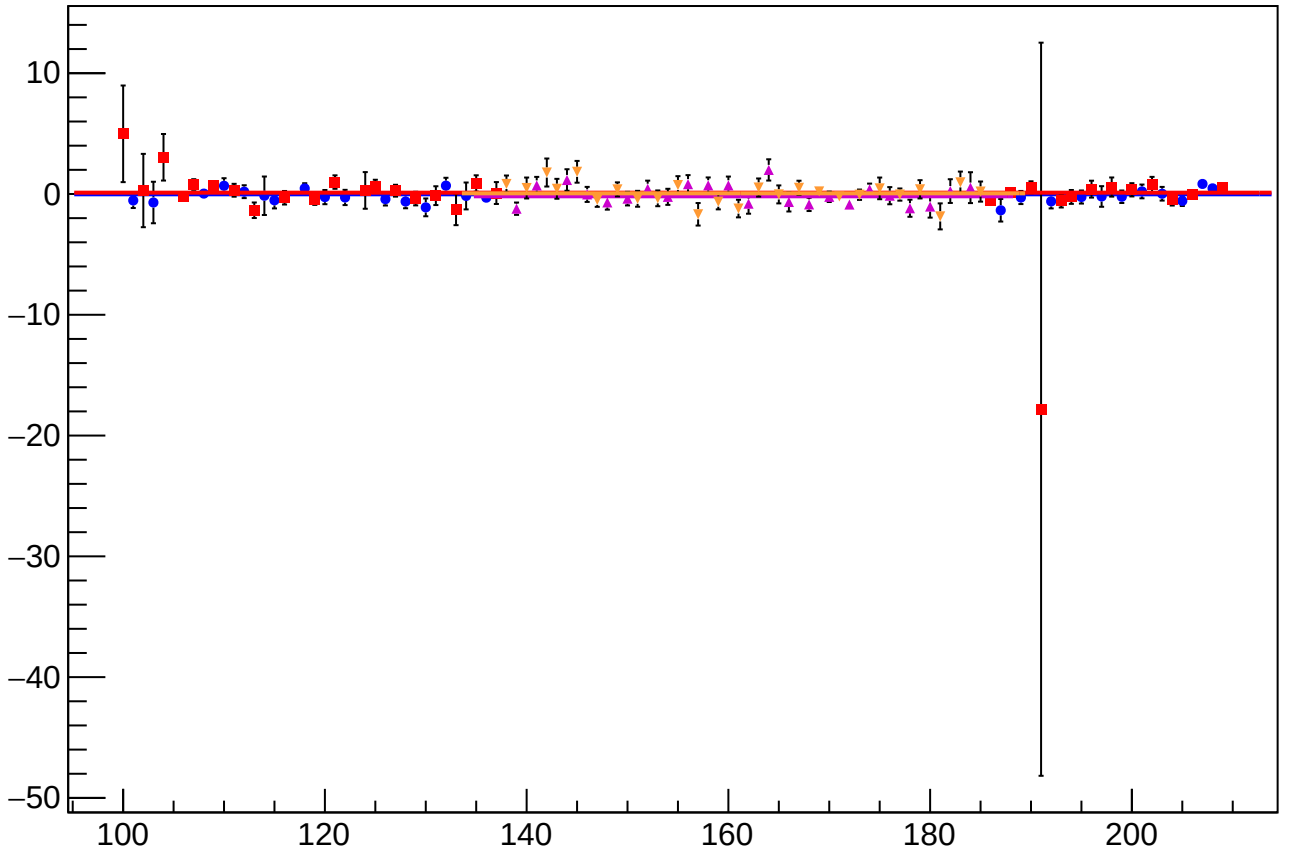
Left: 538.311+/-0.066 χ^2/NDF: 4656222.0/47

Right: 354.743+/-0.048 χ^2/NDF: 8315375.1/58

In: 443.757+/-0.058 χ^2/NDF:6149750.2/49

Out: 398.827+/-0.053 χ^2/NDF:11567899.6/56

All: 419.148+/-0.039 χ^2/NDF: 18048466.9/10



Right In: -0.027+/-0.104 χ^2/NDF: 24.1/26

Left Out: 0.054+/-0.130 χ^2/NDF:24.7/24

Right Out: 0.109+/-0.091 χ^2/NDF: 35.2/31

Left In: -0.191+/-0.133 χ^2/NDF:31.1/22

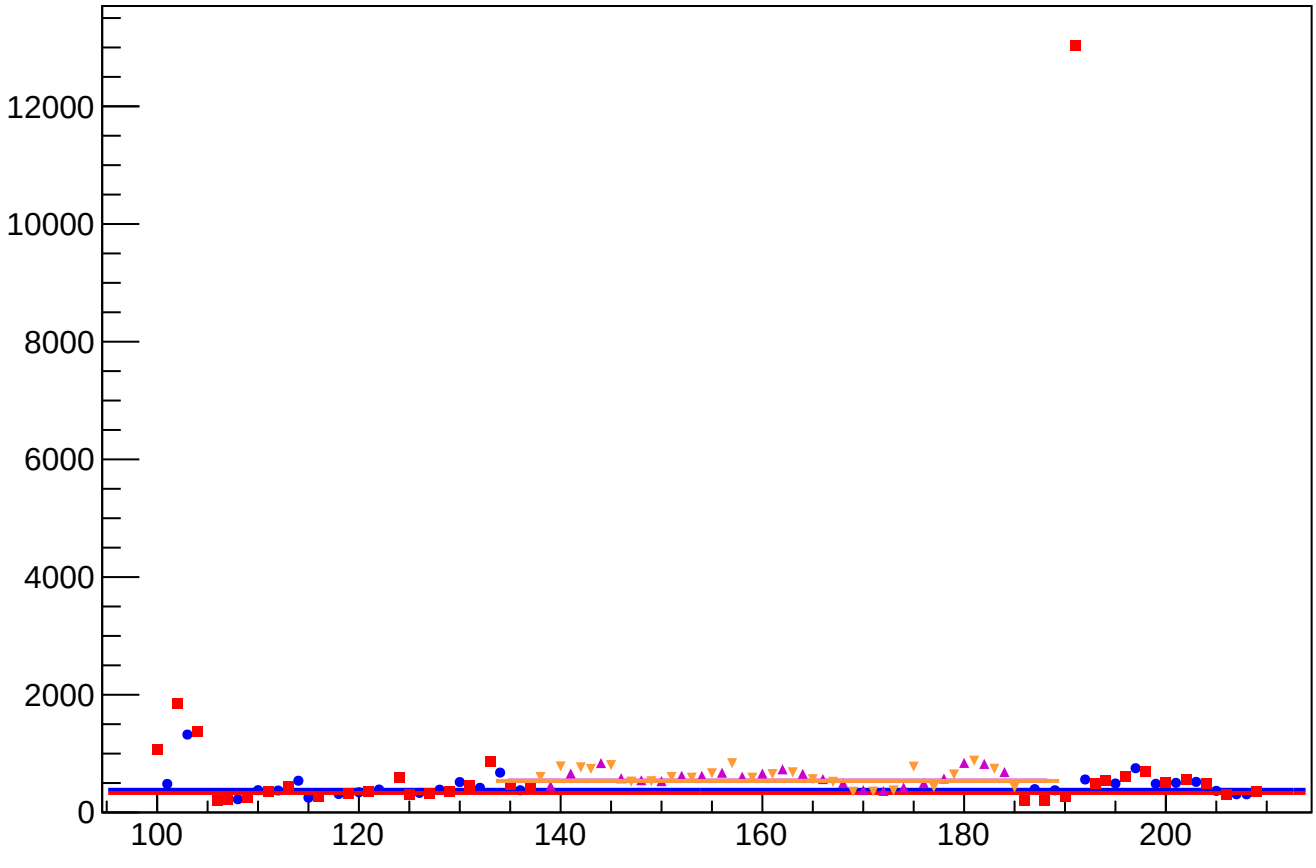
Left: -0.065+/-0.093 χ^2/NDF: 57.6/47

Right: 0.050+/-0.068 χ^2/NDF: 60.3/58

In: -0.089+/-0.082 χ^2/NDF:56.2/49

Out: 0.091+/-0.074 χ^2/NDF:60.1/56

All: 0.010+/-0.055 χ^2/NDF: 118.9/106



Right In: 384.994+/-0.073 χ^2/NDF: 2538412.8/26

Left Out: 535.948+/-0.092 χ^2/NDF:2749816.2/24

Right Out: 331.552+/-0.064 χ^2/NDF: 5475700.8/31

Left In: 540.809+/-0.094 χ^2/NDF:1905035.9/22

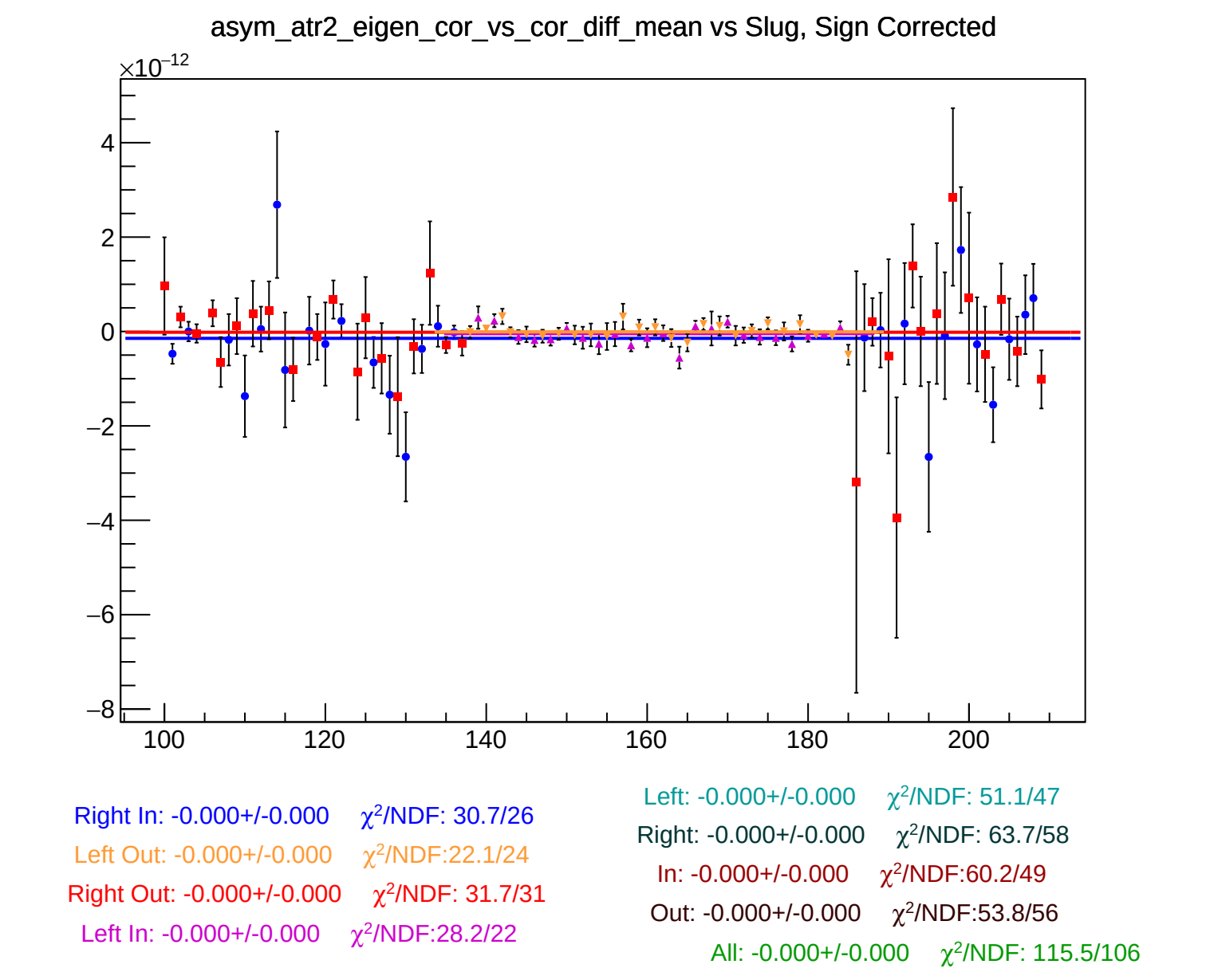
Left: 538.311+/-0.066 χ^2/NDF: 4656222.0/47

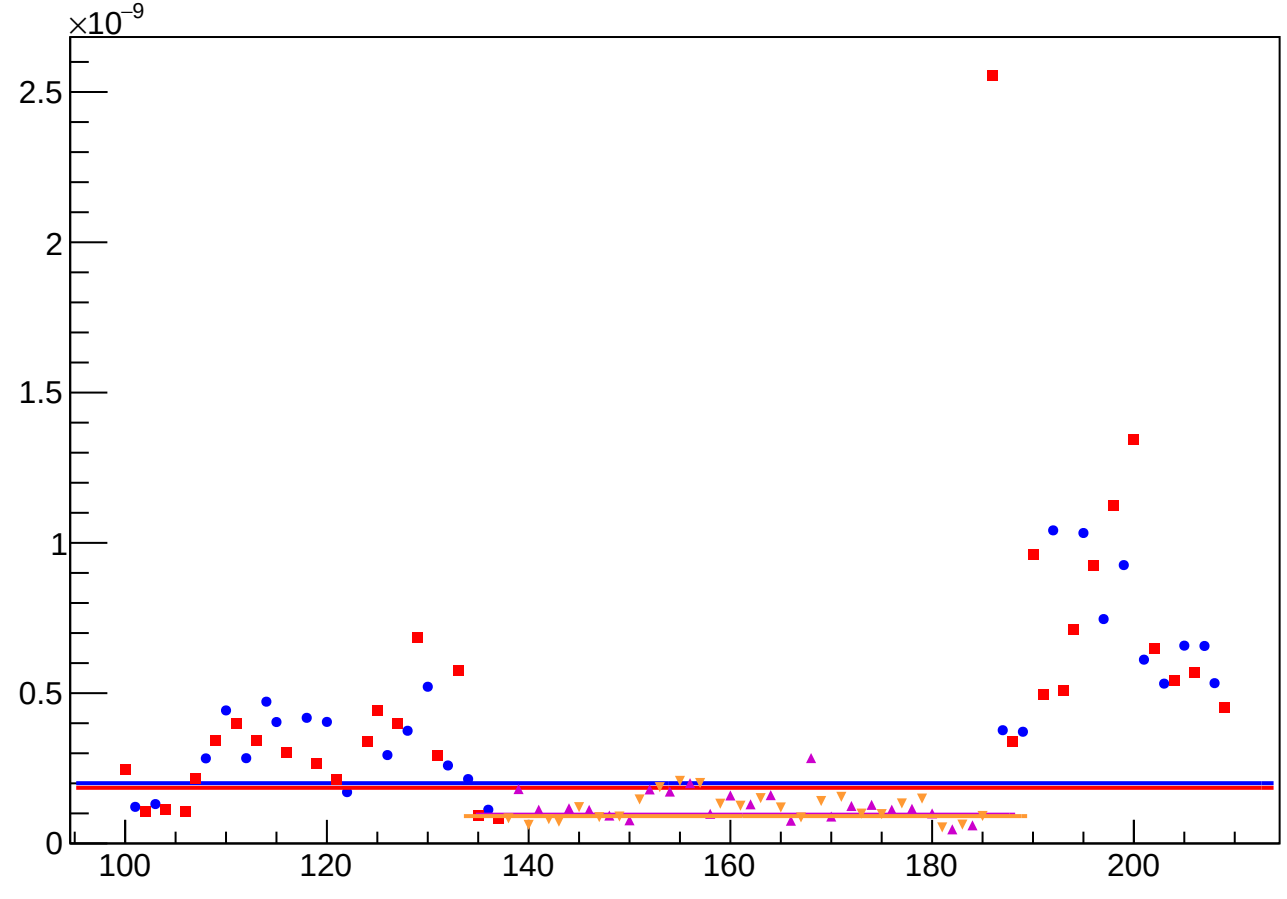
Right: 354.743+/-0.048 χ^2/NDF: 8315375.1/58

In: 443.757+/-0.058 χ^2/NDF:6149750.2/49

Out: 398.827+/-0.053 χ^2/NDF:11567899.6/56

All: 419.148+/-0.039 χ^2/NDF: 18048466.9/10


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
Right In: -0.000+/-0.000 χ²/NDF: 30.7/26
Left Out: -0.000+/-0.000 χ²/NDF:22.1/24
Right Out: -0.000+/-0.000 χ²/NDF: 31.7/31
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: 63.7/58
In: -0.000+/-0.000 χ²/NDF:60.2/49
Out: -0.000+/-0.000 χ²/NDF:53.8/56
All: -0.000+/-0.000 χ²/NDF: 115.5/106



Right In: 0.000+/-0.000 χ^2/NDF: 7107875.1/26

Left Out: 0.000+/-0.000 χ^2/NDF:3367730.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 8558657.0/31

Left In: 0.000+/-0.000 χ^2/NDF:3905784.1/22

Left: 0.000+/-0.000 χ^2/NDF: 7302418.3/47

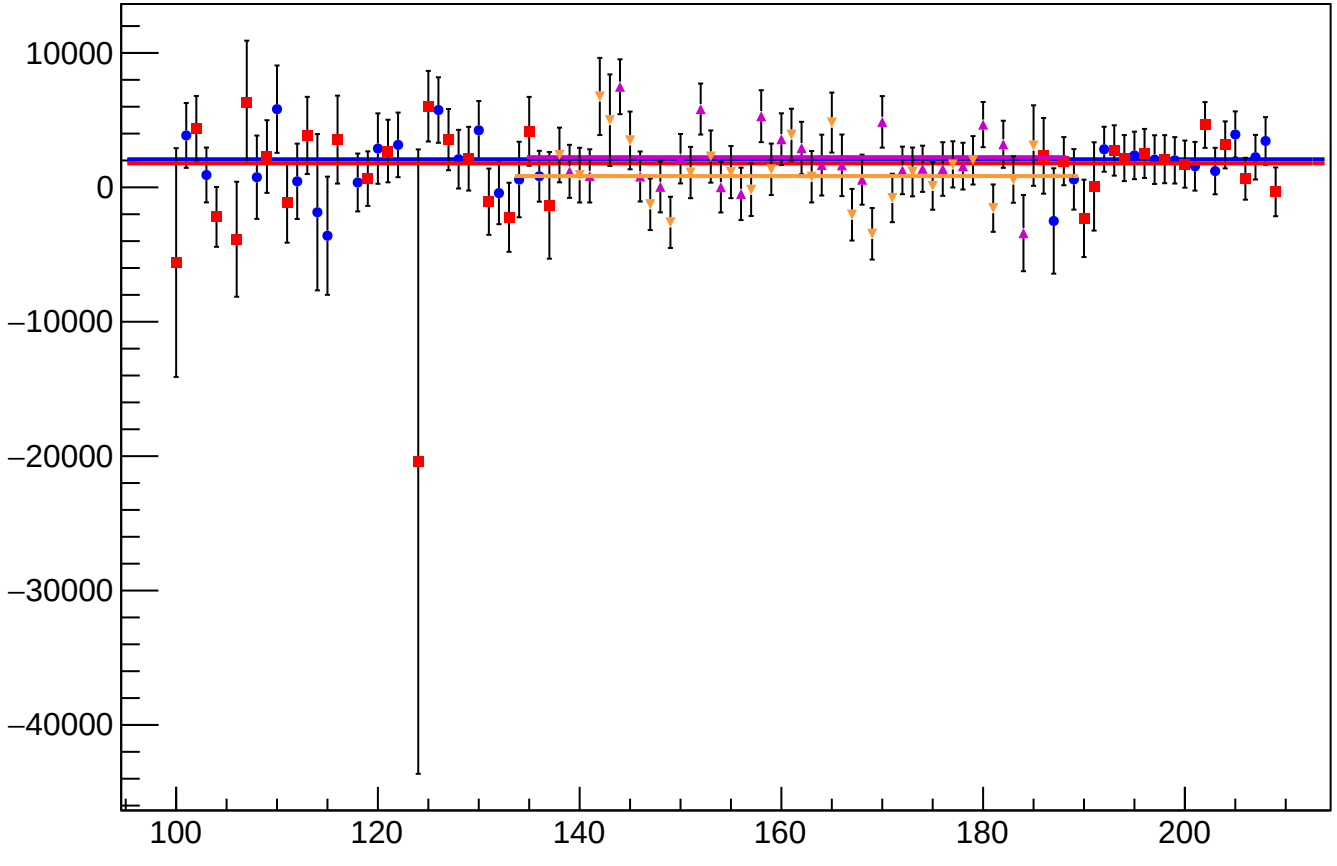
Right: 0.000+/-0.000 χ^2/NDF: 15701810.5/58

In: 0.000+/-0.000 χ^2/NDF:13810289.2/49

Out: 0.000+/-0.000 χ^2/NDF:14428730.1/56

All: 0.000+/-0.000 χ^2/NDF: 28289711.5/106

reg_asym_atl_avg_mean vs Slug, Sign Corrected



Right In: 2089.367+/-416.134 χ^2/NDF: 15.1/26

Left Out: 841.572+/-394.444 χ^2/NDF:30.4/24

Right Out: 1791.768+/-407.285 χ^2/NDF: 27.7/31

Left In: 2245.041+/-400.753 χ^2/NDF:29.4/22

Left: 1532.172+/-281.118 χ^2/NDF: 66.0/47

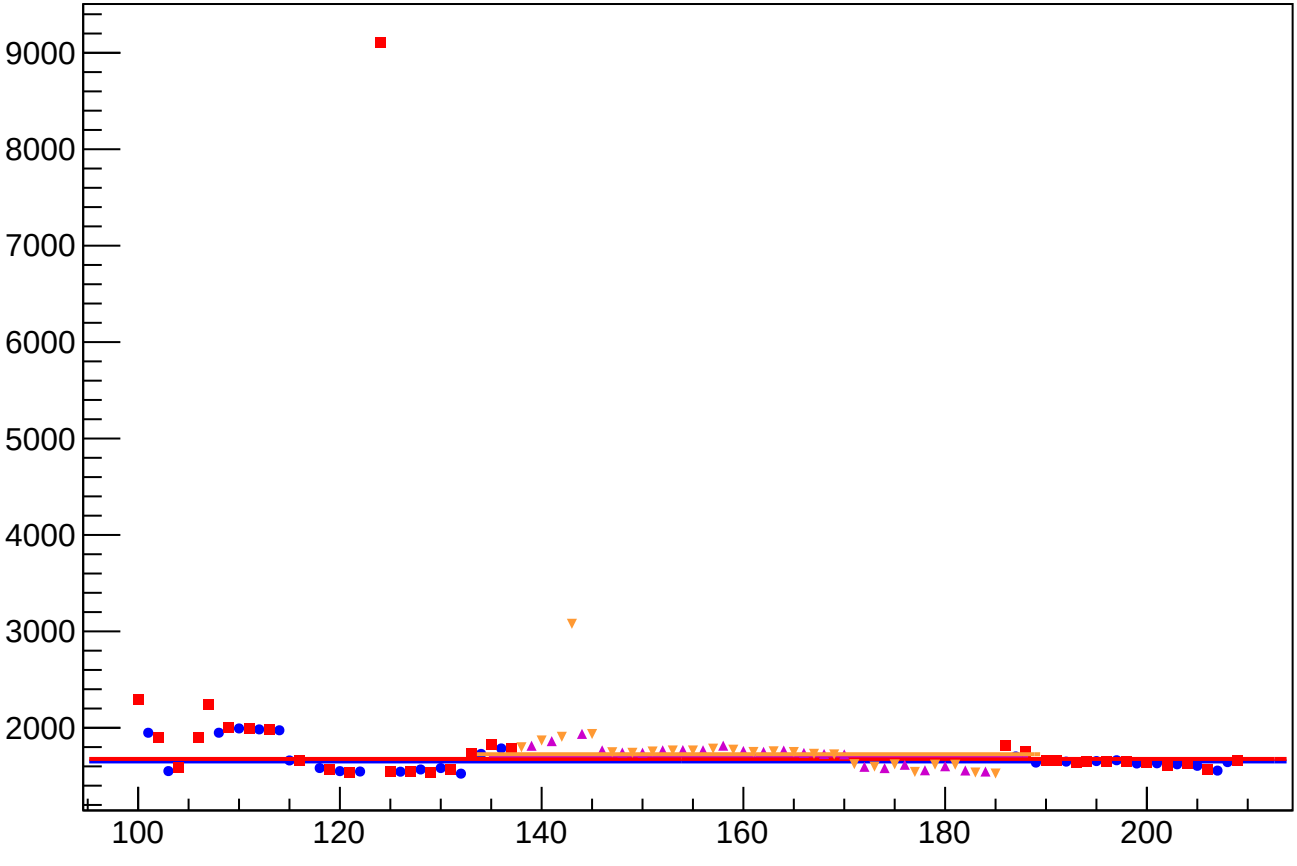
Right: 1937.369+/-291.072 χ^2/NDF: 43.0/58

In: 2170.134+/-288.660 χ^2/NDF:44.6/49

Out: 1301.455+/-283.345 χ^2/NDF:60.9/56

All: 1727.724+/-202.208 χ^2/NDF: 110.0/106

reg_asym_atl_avg_rms vs Slug, Sign Corrected



Right In: 1651.174+/-0.294 χ^2/NDF: 154873.5/26

Left Out: 1726.058+/-0.279 χ^2/NDF:454930.8/24

Right Out: 1677.113+/-0.287 χ^2/NDF: 417957.6/31

Left In: 1713.156+/-0.283 χ^2/NDF:129290.6/22

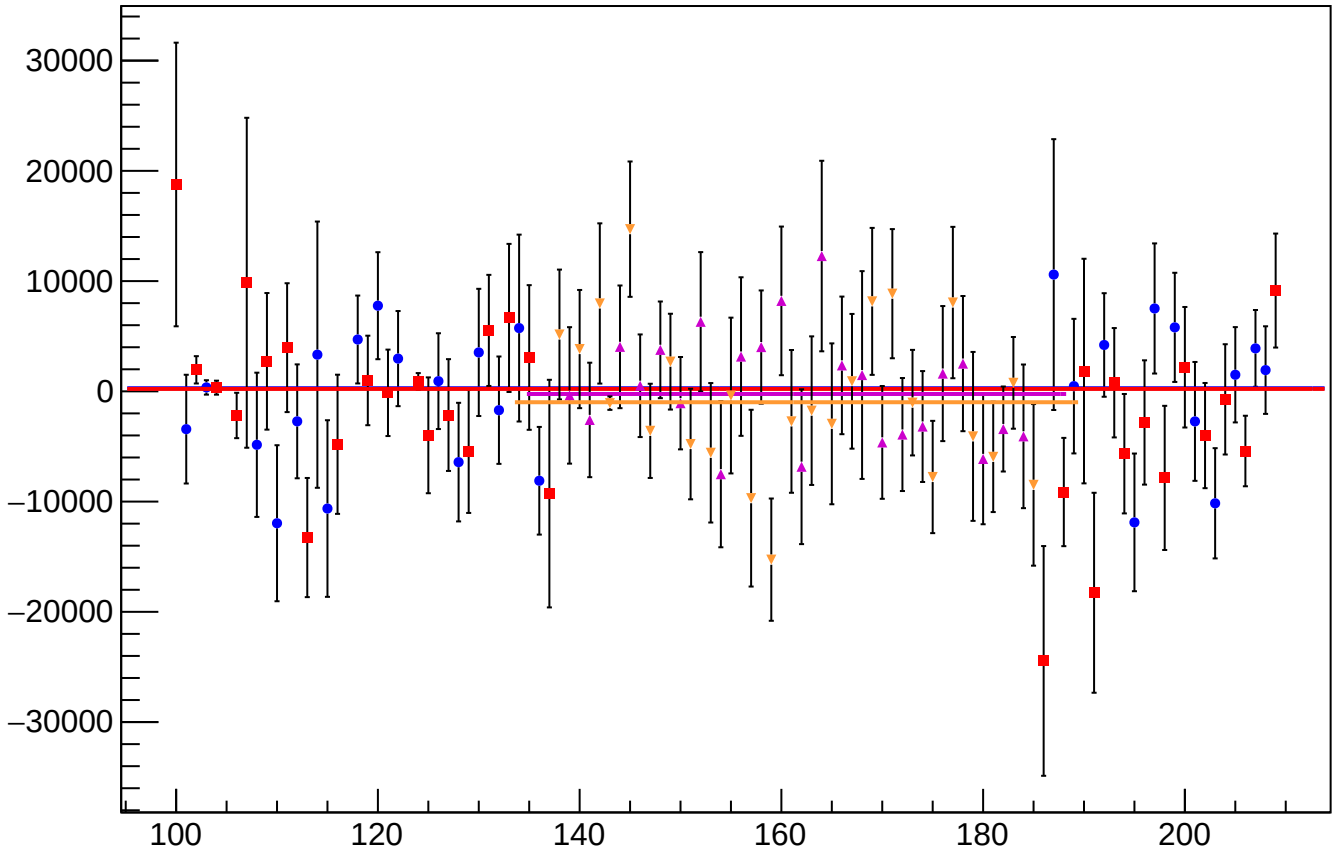
Left: 1719.709+/-0.199 χ^2/NDF: 585274.4/47

Right: 1664.447+/-0.206 χ^2/NDF: 576807.6/58

In: 1683.331+/-0.204 χ^2/NDF:307184.3/49

Out: 1702.323+/-0.200 χ^2/NDF:887822.0/56

All: 1693.012+/-0.143 χ^2/NDF: 1199419.3/10



Right In: 280.331+/-550.075 χ^2/NDF: 29.8/26

Left Out: -987.621+/-541.250 χ^2/NDF:30.8/24

Right Out: 221.275+/-408.365 χ^2/NDF: 42.5/31

Left In: -239.582+/-1165.046 χ^2/NDF:13.5/22

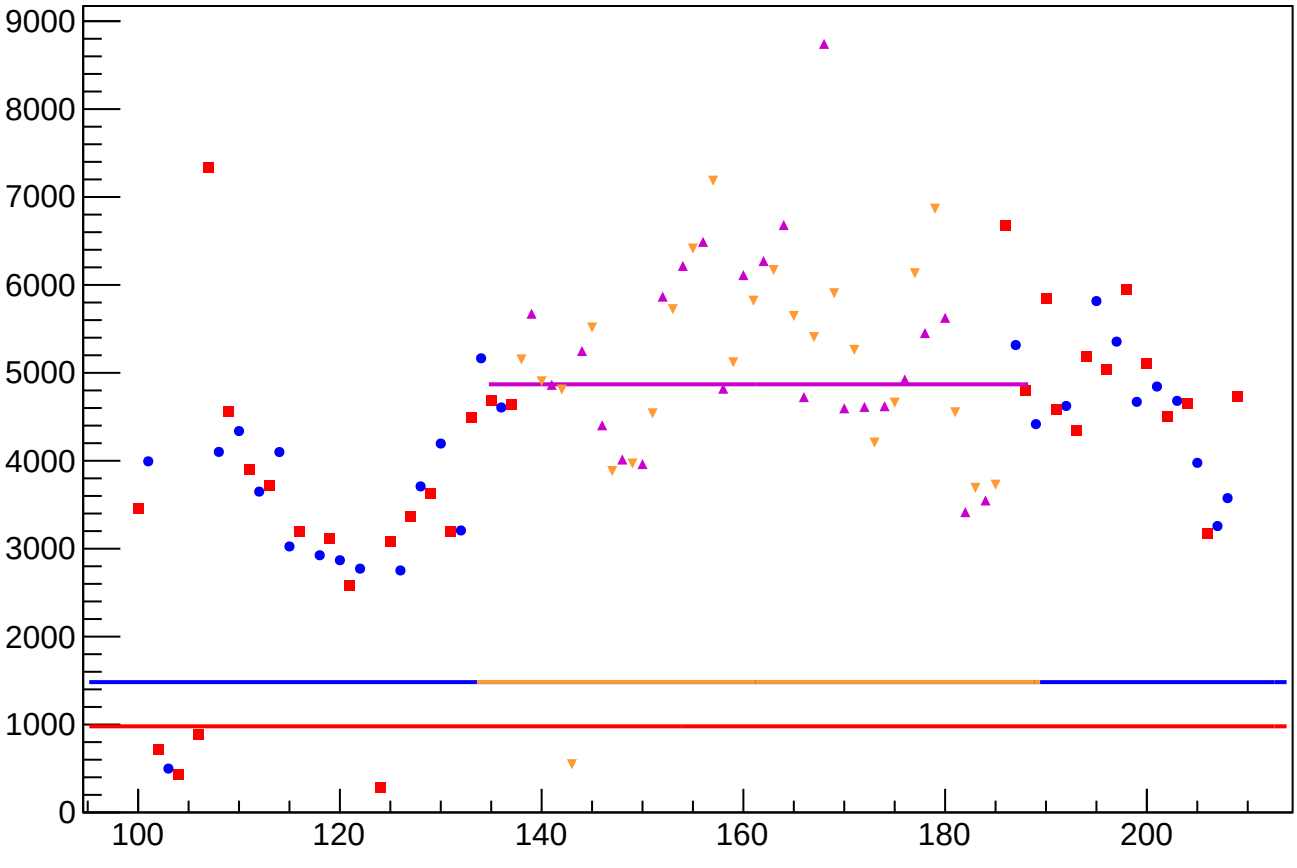
Left: -854.832+/-490.864 χ^2/NDF: 44.7/47

Right: 242.258+/-327.887 χ^2/NDF: 72.3/58

In: 185.557+/-497.418 χ^2/NDF:43.5/49

Out: -217.254+/-325.989 χ^2/NDF:76.5/56

All: -96.228+/-272.653 χ^2/NDF: 120.5/106



Right In: 1482.408+/-0.389 χ^2/NDF: 16757412.8/26

Left Out: 1484.563+/-0.383 χ^2/NDF:23224946.4/24

Right Out: 979.563+/-0.289 χ^2/NDF: 21773573.2/31

Left In: 4869.707+/-0.824 χ^2/NDF:1474225.9/22

Left: 2085.479+/-0.347 χ^2/NDF: 38586716.8/47

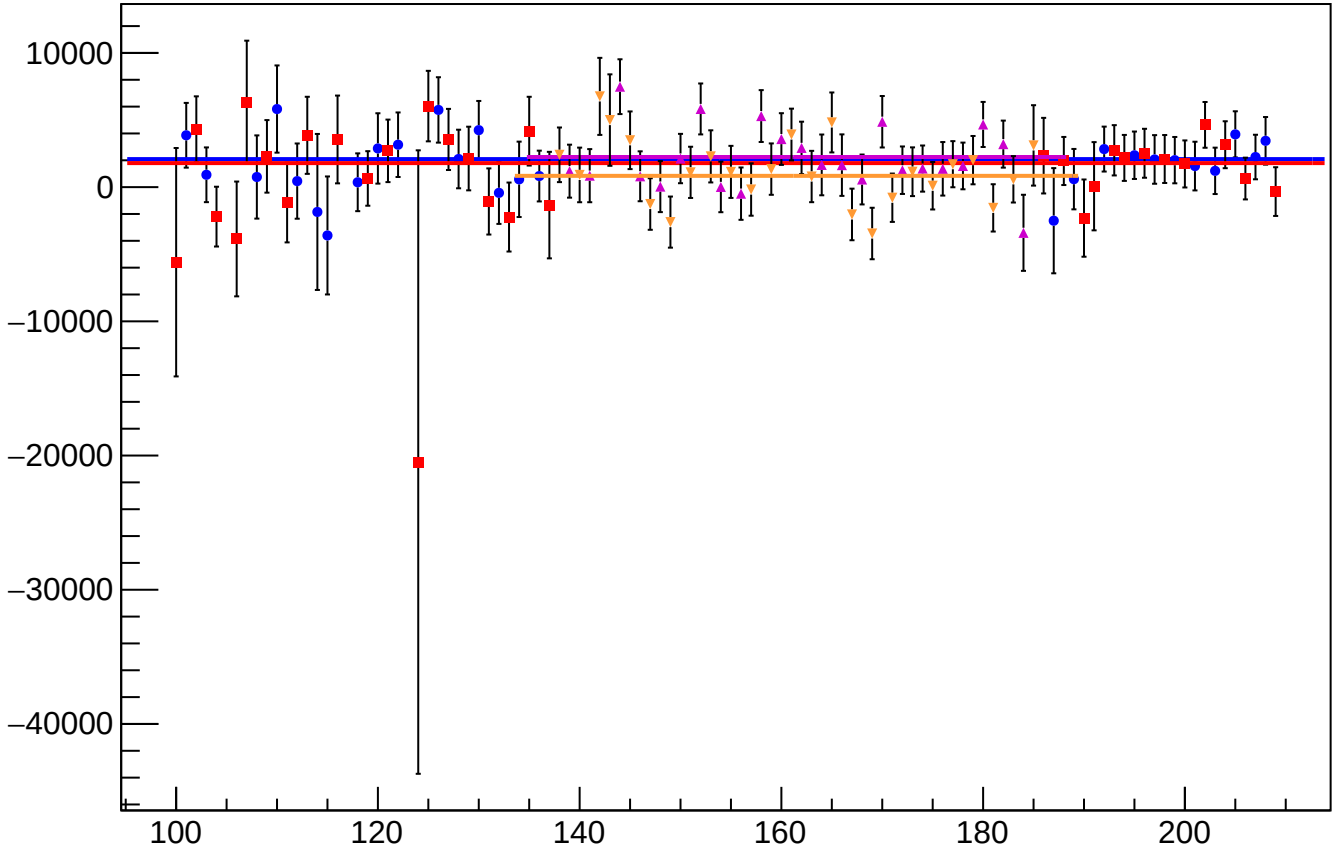
Right: 1158.228+/-0.232 χ^2/NDF: 39608460.9/58

In: 2099.871+/-0.352 χ^2/NDF:32056195.7/49

Out: 1162.752+/-0.231 χ^2/NDF:46108017.3/56

All: 1444.313+/-0.193 χ^2/NDF: 83130036.4/1

cor_asym_atl_avg_mean vs Slug, Sign Corrected



Right In: 2089.428+/-416.134 χ^2/NDF: 15.1/26

Left Out: 841.564+/-394.444 χ^2/NDF:30.4/24

Right Out: 1790.785+/-407.287 χ^2/NDF: 27.6/31

Left In: 2245.061+/-400.753 χ^2/NDF:29.4/22

Left: 1532.178+/-281.118 χ^2/NDF: 66.0/47

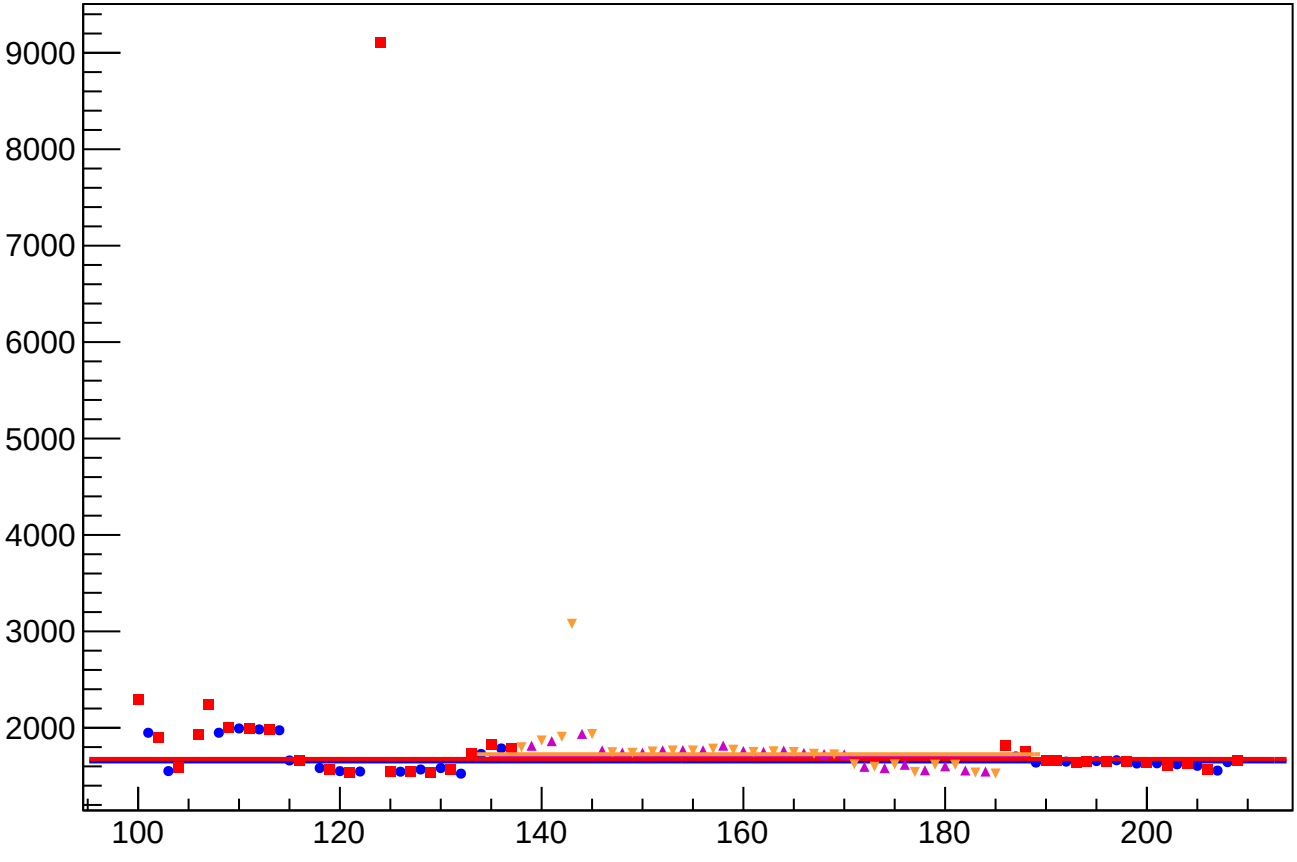
Right: 1936.898+/-291.073 χ^2/NDF: 43.0/58

In: 2170.174+/-288.660 χ^2/NDF:44.6/49

Out: 1300.974+/-283.346 χ^2/NDF:60.8/56

All: 1727.499+/-202.208 χ^2/NDF: 110.0/106

cor_asym_atl_avg_rms vs Slug, Sign Corrected



Right In: 1651.174+/-0.294 χ^2/NDF: 154873.5/26

Left Out: 1726.058+/-0.279 χ^2/NDF:454930.8/24

Right Out: 1677.434+/-0.288 χ^2/NDF: 420030.7/31

Left In: 1713.156+/-0.283 χ^2/NDF:129290.6/22

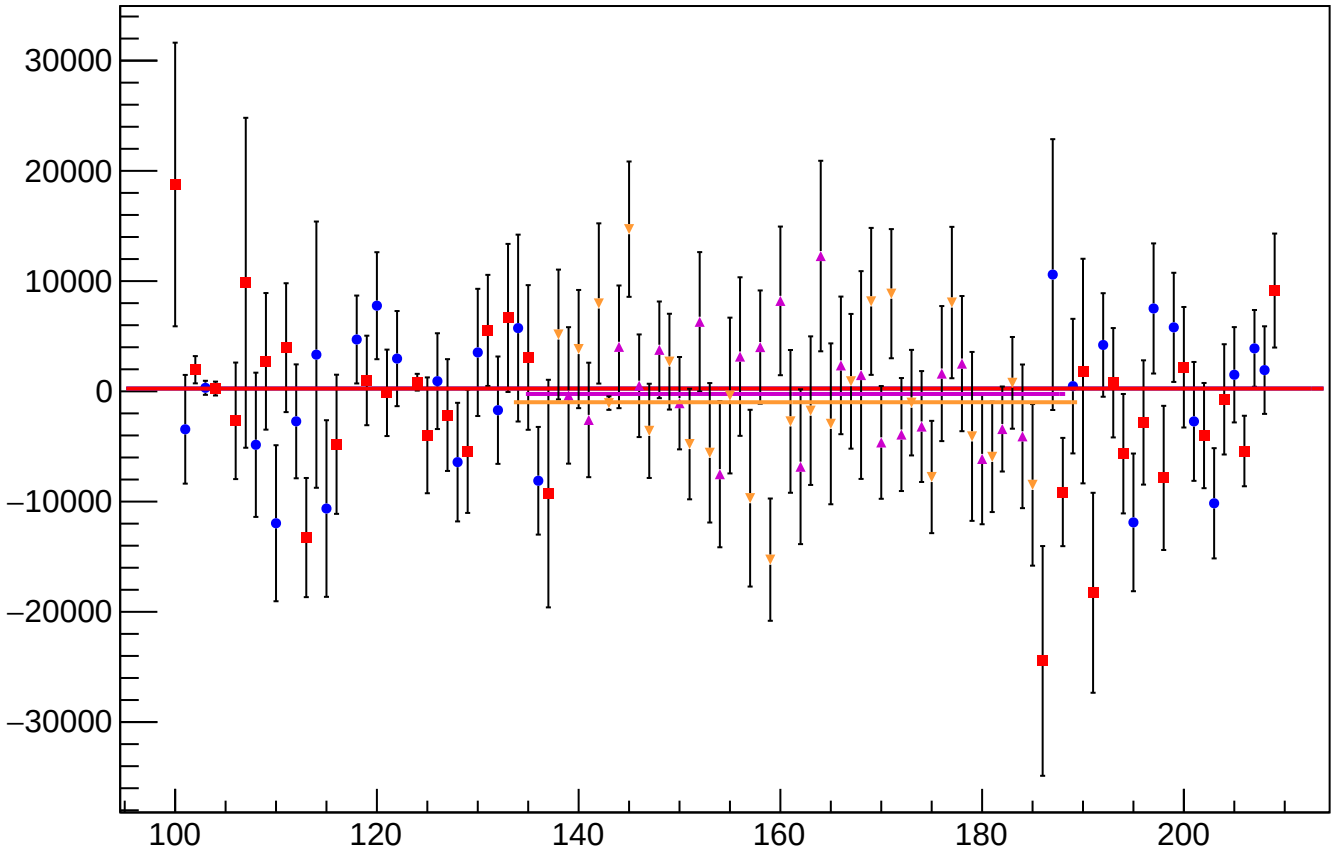
Left: 1719.709+/-0.199 χ^2/NDF: 585274.4/47

Right: 1664.609+/-0.206 χ^2/NDF: 578978.9/58

In: 1683.331+/-0.204 χ^2/NDF:307184.4/49

Out: 1702.483+/-0.200 χ^2/NDF:889697.0/56

All: 1693.093+/-0.143 χ^2/NDF: 1201368.8/10



Right In: 257.448+/-540.186 χ^2/NDF: 29.8/26

Left Out: -987.291+/-541.232 χ^2/NDF:30.8/24

Right Out: 250.856+/-413.544 χ^2/NDF: 41.3/31

Left In: -239.478+/-1165.045 χ^2/NDF:13.5/22

Left: -854.550+/-490.851 χ^2/NDF: 44.7/47

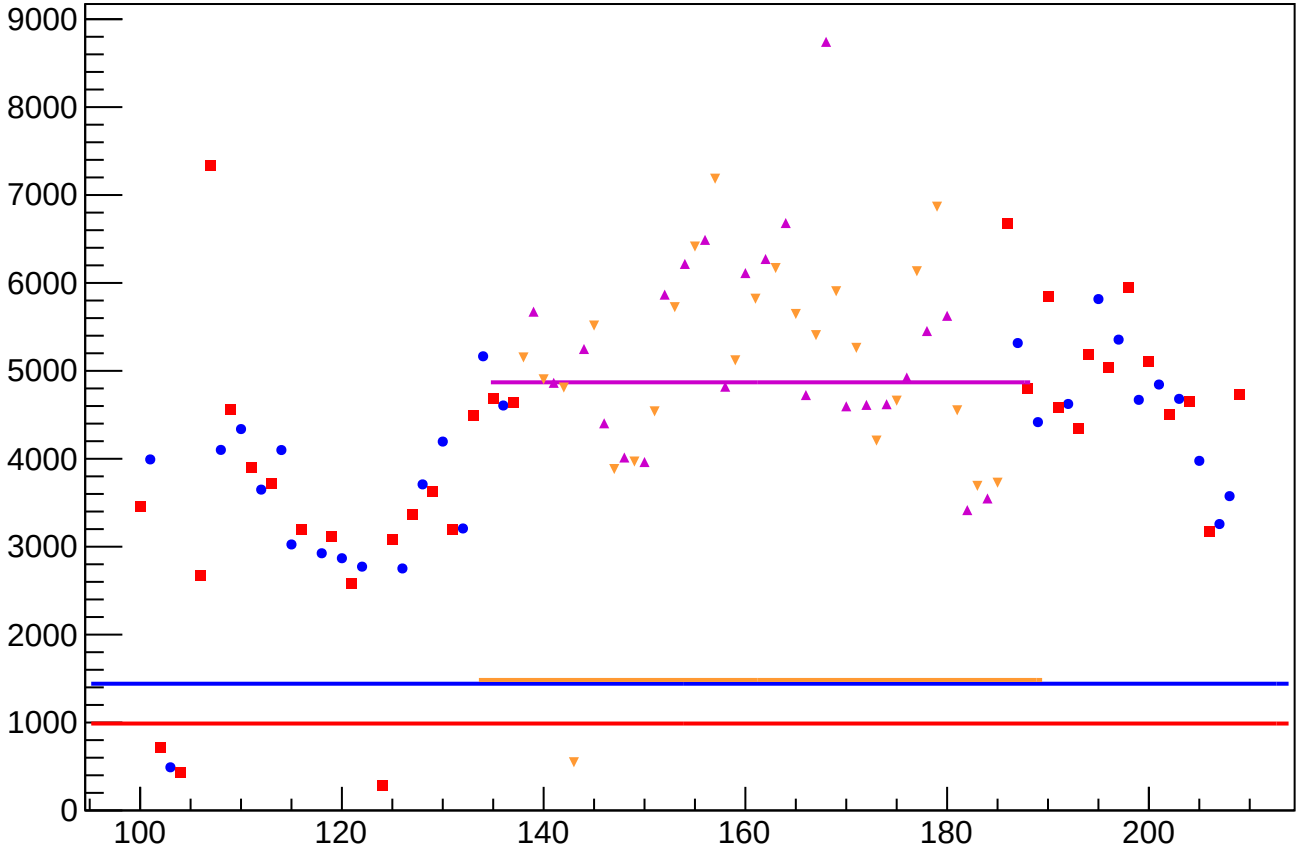
Right: 253.291+/-328.367 χ^2/NDF: 71.1/58

In: 169.520+/-490.070 χ^2/NDF:43.5/49

Out: -205.542+/-328.601 χ^2/NDF:75.4/56

All: -89.216+/-272.927 χ^2/NDF: 119.3/106

asym_atl_avg_cor_correction_rms vs Slug, Sign Corrected



Right In: 1441.525+/-0.382 χ^2/NDF: 17061152.6/26

Left Out: 1484.485+/-0.383 χ^2/NDF:23225570.5/24

Right Out: 988.614+/-0.292 χ^2/NDF: 22015119.7/31

Left In: 4869.699+/-0.824 χ^2/NDF:1474252.6/22

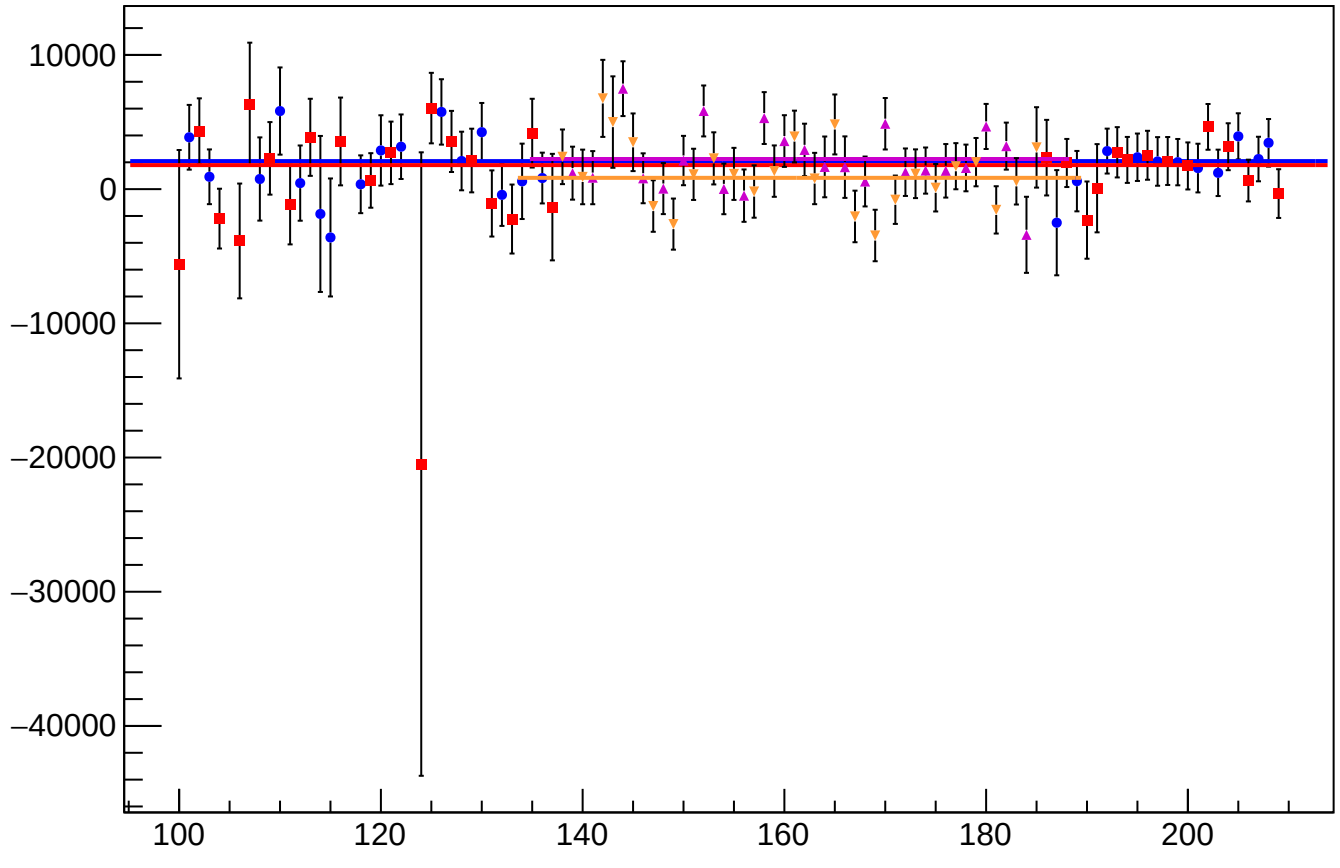
Left: 2085.382+/-0.347 χ^2/NDF: 38588136.1/47

Right: 1155.971+/-0.232 χ^2/NDF: 39962702.4/58

In: 2048.113+/-0.347 χ^2/NDF:32788226.6/49

Out: 1171.398+/-0.232 χ^2/NDF:46300664.8/56

All: 1443.314+/-0.193 χ^2/NDF: 83504423.7/1



Right In: 2089.428+/-416.134 χ^2/NDF: 15.1/26

Left Out: 841.564+/-394.444 χ^2/NDF:30.4/24

Right Out: 1790.785+/-407.287 χ^2/NDF: 27.6/31

Left In: 2245.061+/-400.753 χ^2/NDF:29.4/22

Left: 1532.178+/-281.118 χ^2/NDF: 66.0/47

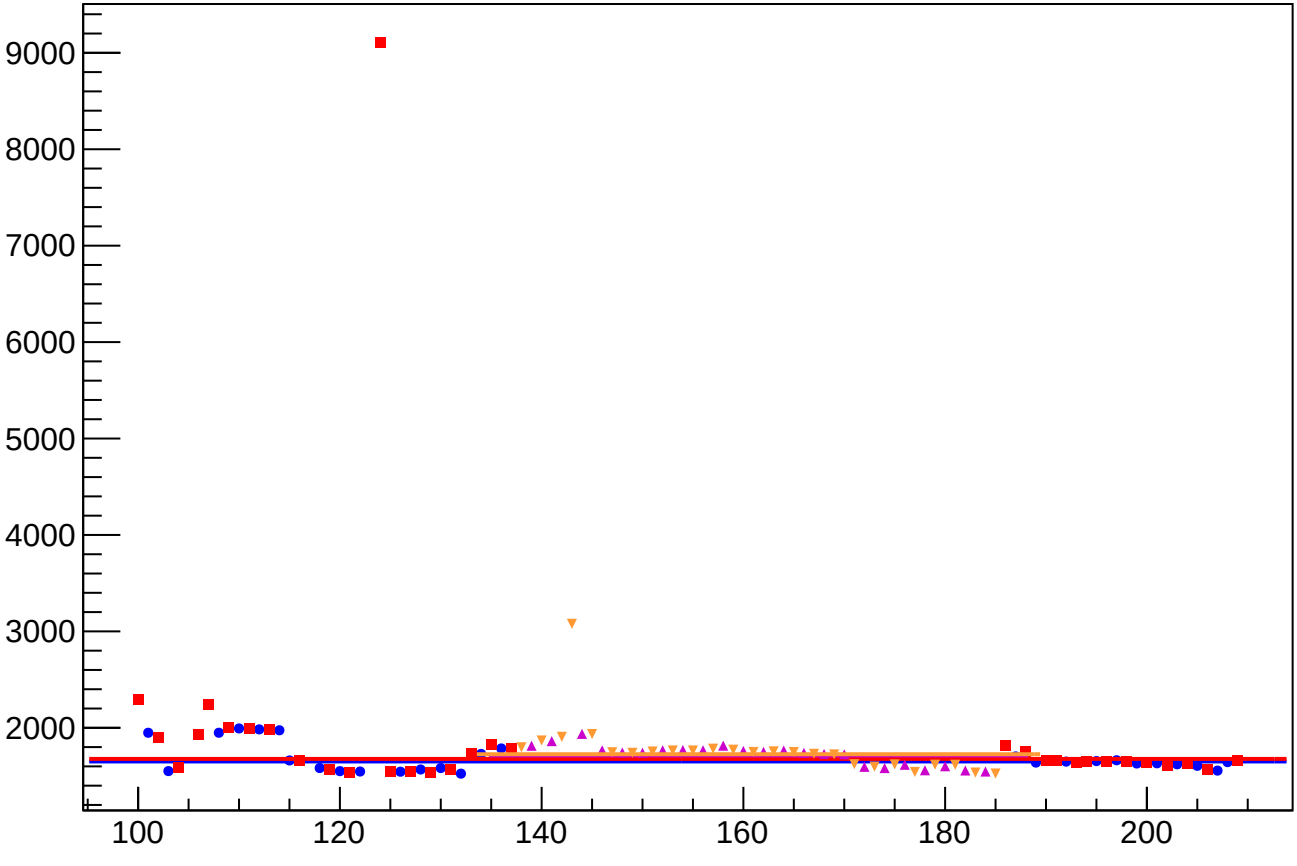
Right: 1936.898+/-291.073 χ^2/NDF: 43.0/58

In: 2170.174+/-288.660 χ^2/NDF:44.6/49

Out: 1300.974+/-283.346 χ^2/NDF:60.8/56

All: 1727.499+/-202.208 χ^2/NDF: 110.0/106

eigen_cor_asym_atl_avg_rms vs Slug, Sign Corrected



Right In: 1651.174+/-0.294 χ^2/NDF: 154873.5/26

Left Out: 1726.058+/-0.279 χ^2/NDF:454930.8/24

Right Out: 1677.434+/-0.288 χ^2/NDF: 420030.7/31

Left In: 1713.156+/-0.283 χ^2/NDF:129290.6/22

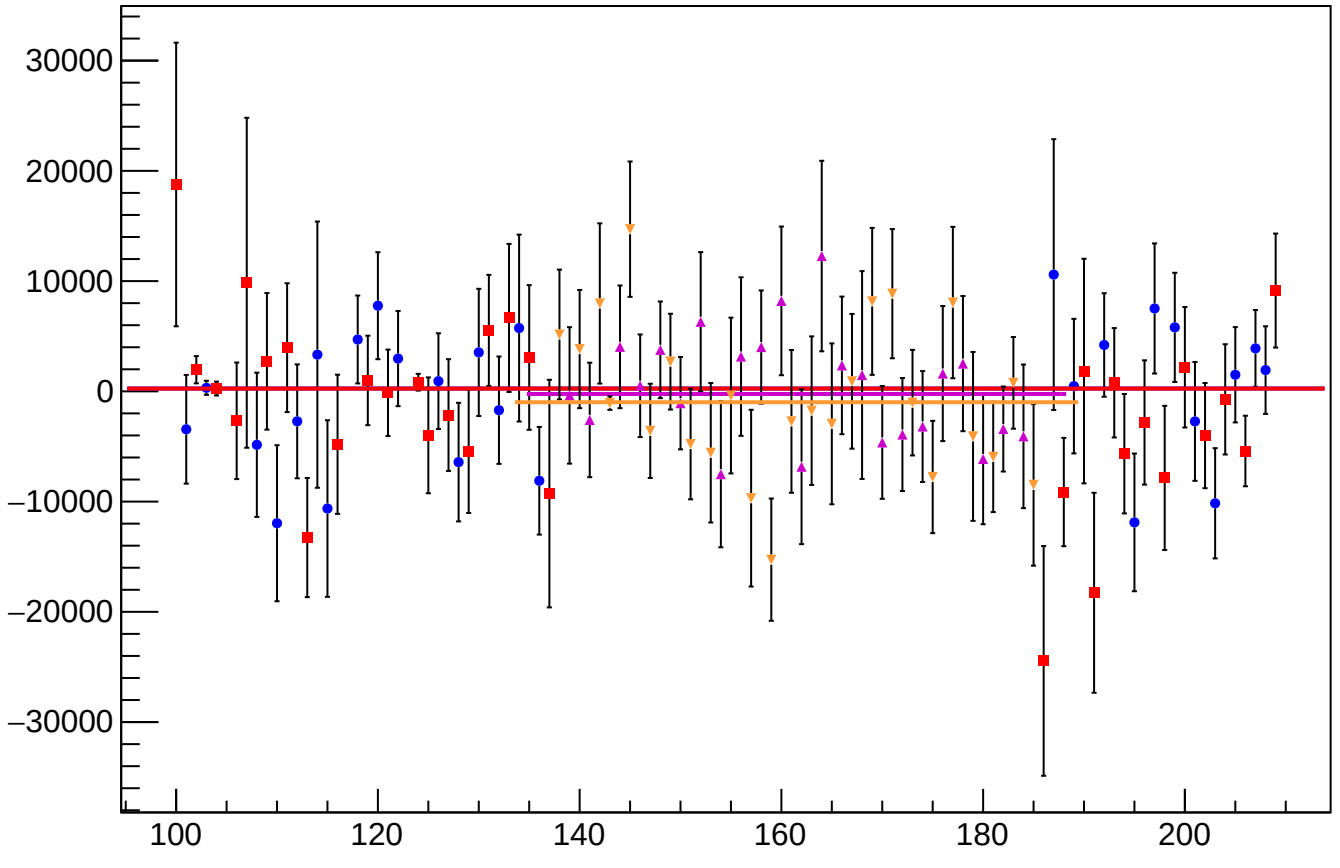
Left: 1719.709+/-0.199 χ^2/NDF: 585274.4/47

Right: 1664.609+/-0.206 χ^2/NDF: 578978.9/58

In: 1683.331+/-0.204 χ^2/NDF:307184.4/49

Out: 1702.483+/-0.200 χ^2/NDF:889697.0/56

All: 1693.093+/-0.143 χ^2/NDF: 1201368.8/10



Right In: 257.448+/-540.186 χ^2/NDF: 29.8/26

Left Out: -987.291+/-541.232 χ^2/NDF:30.8/24

Right Out: 250.856+/-413.544 χ^2/NDF: 41.3/31

Left In: -239.478+/-1165.045 χ^2/NDF:13.5/22

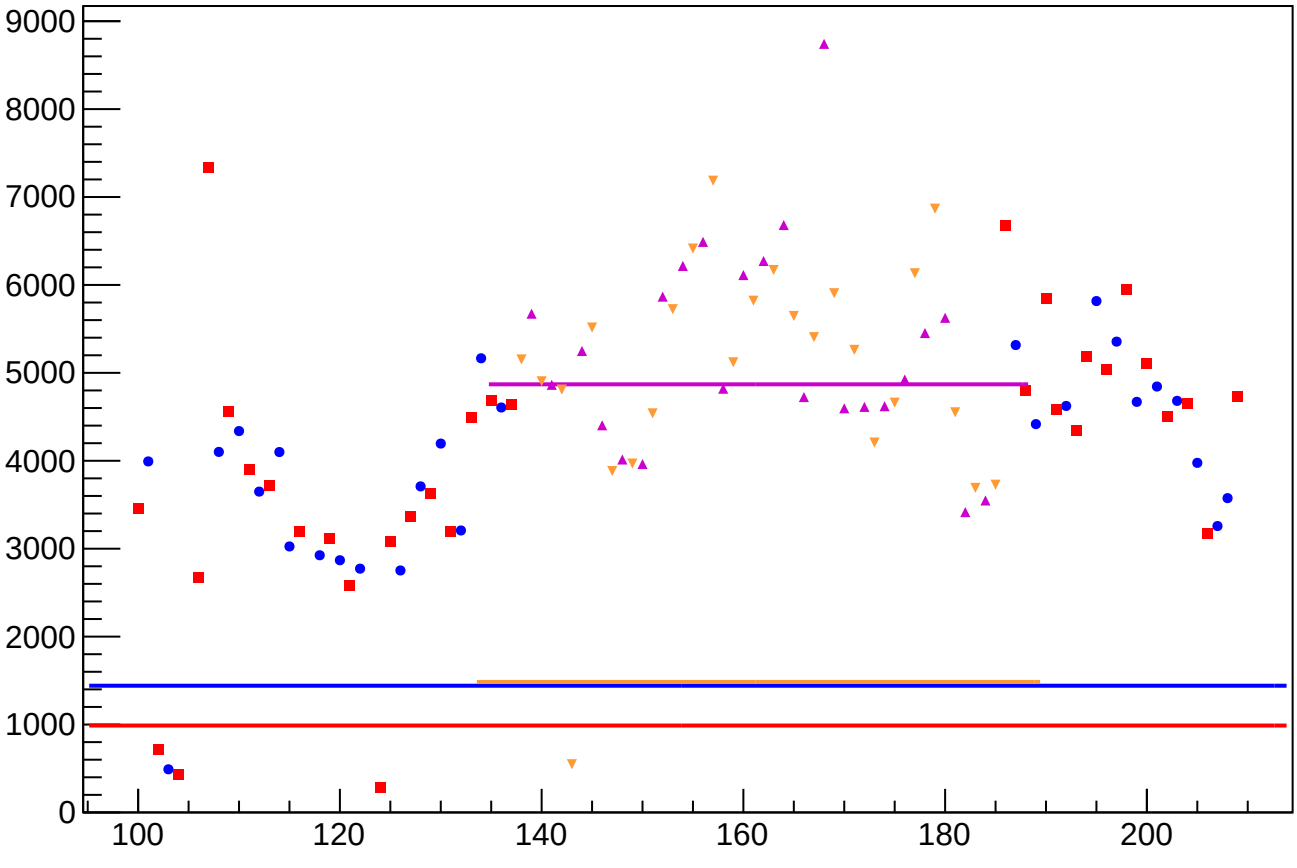
Left: -854.550+/-490.851 χ^2/NDF: 44.7/47

Right: 253.291+/-328.367 χ^2/NDF: 71.1/58

In: 169.520+/-490.070 χ^2/NDF:43.5/49

Out: -205.542+/-328.601 χ^2/NDF:75.4/56

All: -89.216+/-272.927 χ^2/NDF: 119.3/106



Right In: 1441.525+/-0.382 χ^2/NDF: 17061152.6/26

Left Out: 1484.485+/-0.383 χ^2/NDF:23225570.5/24

Right Out: 988.614+/-0.292 χ^2/NDF: 22015119.7/31

Left In: 4869.699+/-0.824 χ^2/NDF:1474252.6/22

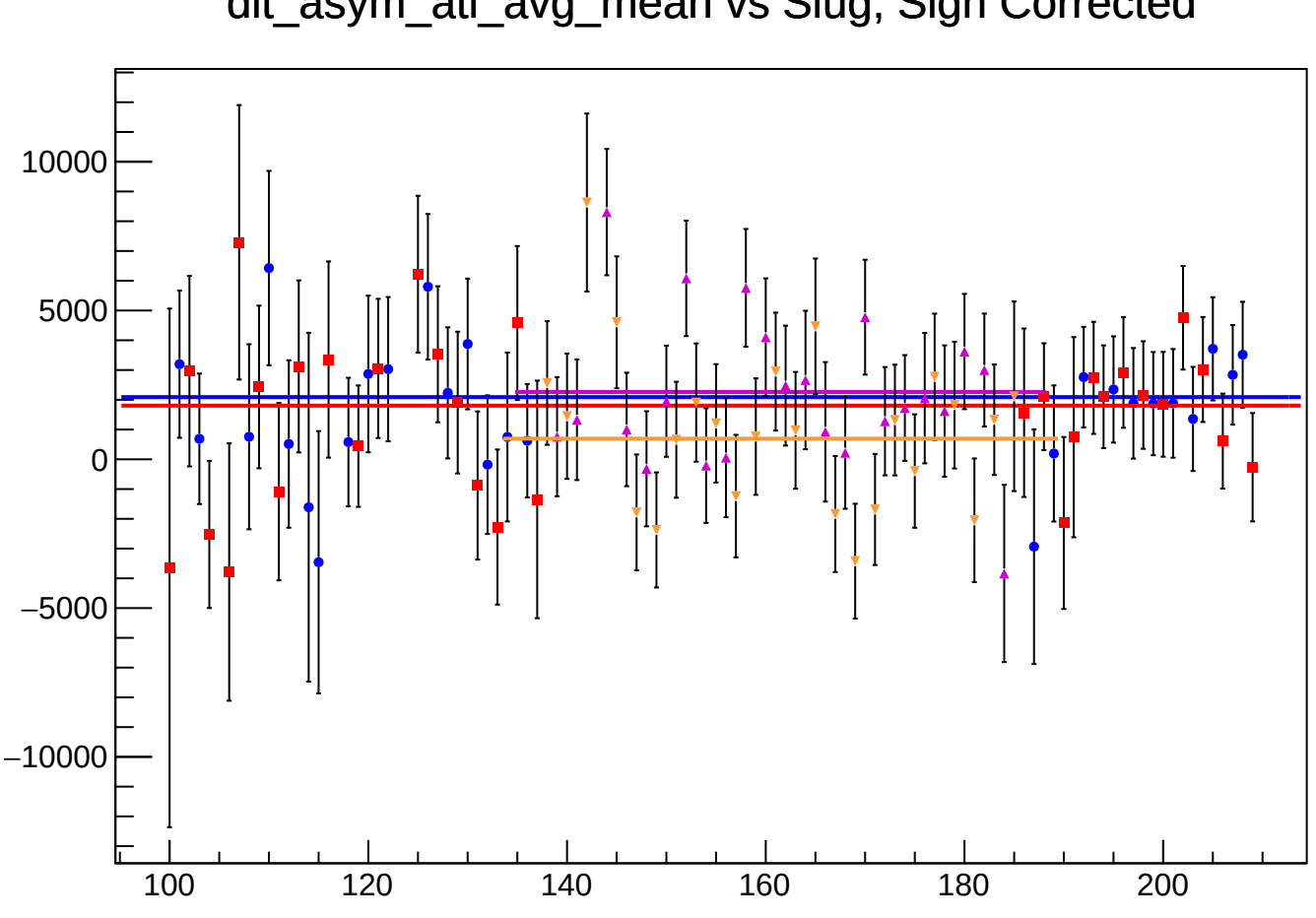
Left: 2085.382+/-0.347 χ^2/NDF: 38588136.1/47

Right: 1155.971+/-0.232 χ^2/NDF: 39962702.4/58

In: 2048.113+/-0.347 χ^2/NDF:32788226.6/49

Out: 1171.398+/-0.232 χ^2/NDF:46300664.8/56

All: 1443.314+/-0.193 χ^2/NDF: 83504423.7/1



Right In: 2089.935+/-420.945 χ^2/NDF: 14.7/26

Left Out: 694.317+/-418.051 χ^2/NDF:32.2/23

Right Out: 1803.279+/-414.784 χ^2/NDF: 25.5/30

Left In: 2261.767+/-419.177 χ^2/NDF:30.4/22

Left: 1475.934+/-296.004 χ^2/NDF: 69.6/46

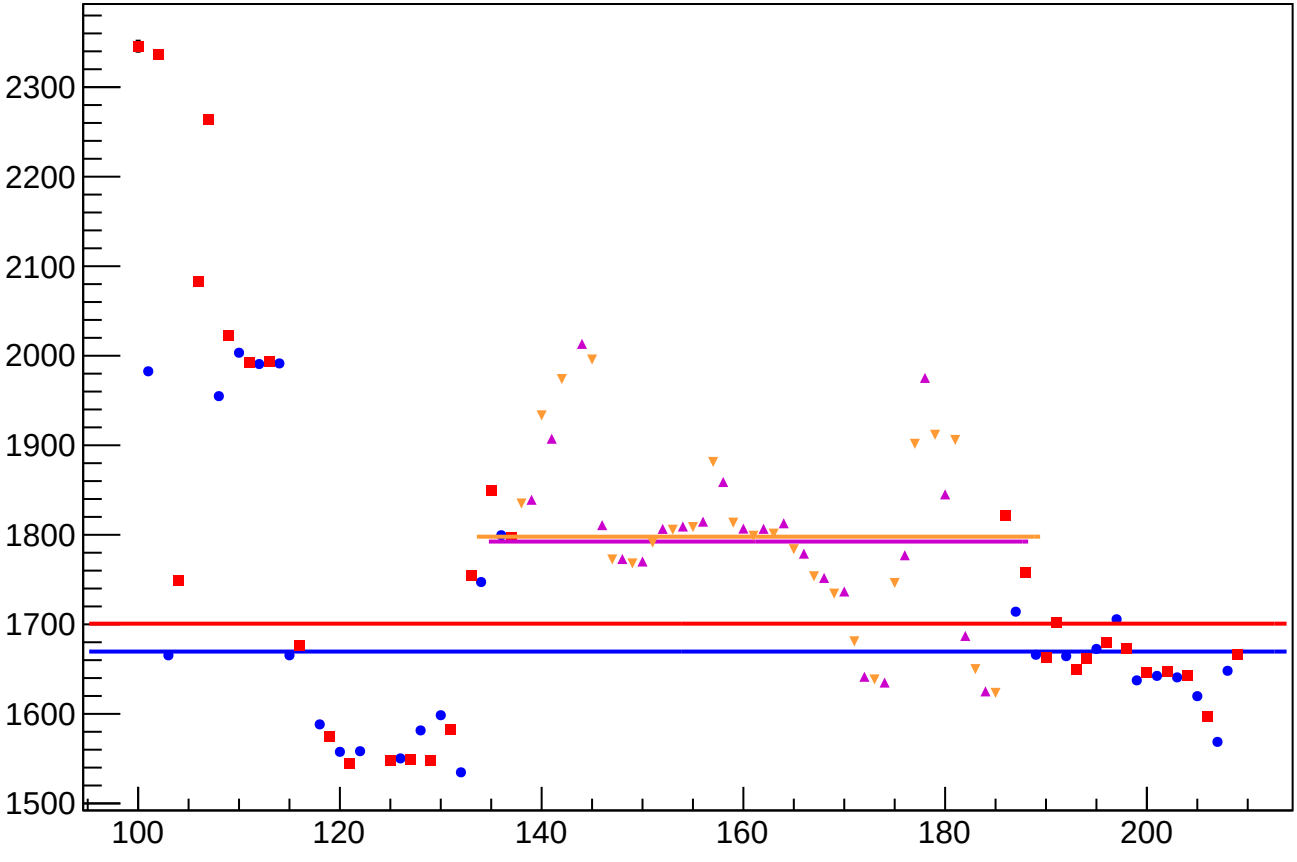
Right: 1944.493+/-295.451 χ^2/NDF: 40.4/57

In: 2176.213+/-297.026 χ^2/NDF:45.2/49

Out: 1253.148+/-294.445 χ^2/NDF:61.2/54

All: 1710.652+/-209.110 χ^2/NDF: 111.3/104

dit_asym_atl_avg_rms vs Slug, Sign Corrected



Right In: 1669.602+/-0.298 χ^2/NDF: 152016.9/26

Left Out: 1797.909+/-0.296 χ^2/NDF:98002.1/23

Right Out: 1700.756+/-0.293 χ^2/NDF: 284511.3/30

Left In: 1792.450+/-0.296 χ^2/NDF:92875.2/22

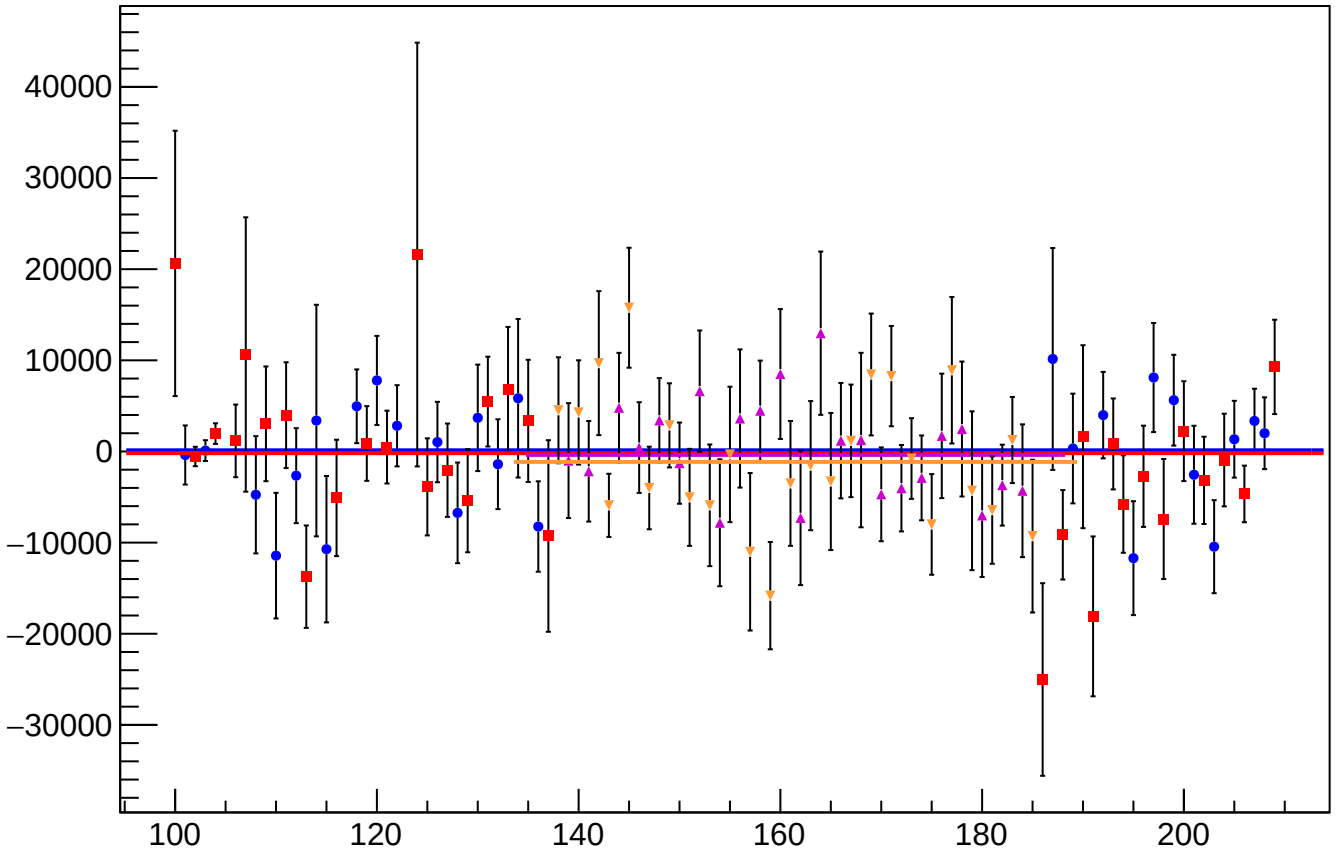
Left: 1795.187+/-0.209 χ^2/NDF: 191047.3/46

Right: 1685.422+/-0.209 χ^2/NDF: 442091.3/57

In: 1731.285+/-0.210 χ^2/NDF:330421.1/49

Out: 1748.908+/-0.208 χ^2/NDF:436994.0/54

All: 1740.177+/-0.148 χ^2/NDF: 770967.7/104



Right In: 126.242+/-750.648 χ^2/NDF: 28.8/26

Left Out: -1144.405+/-1164.458 χ^2/NDF:32.6/24

Right Out: -187.214+/-616.775 χ^2/NDF: 41.0/31

Left In: -374.927+/-1228.699 χ^2/NDF:13.3/22

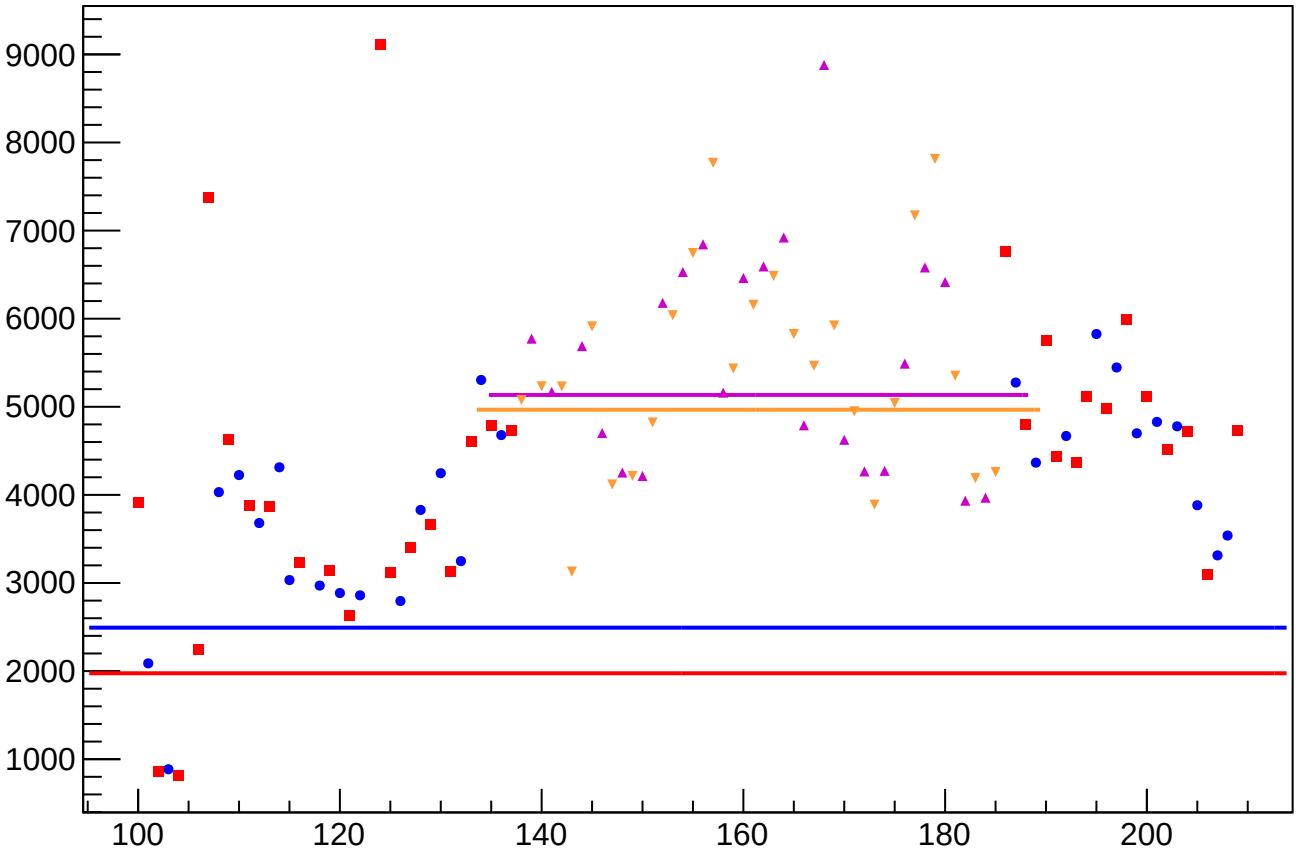
Left: -780.307+/-845.195 χ^2/NDF: 46.0/47

Right: -60.882+/-476.545 χ^2/NDF: 69.9/58

In: -9.972+/-640.566 χ^2/NDF:42.2/49

Out: -396.919+/-545.041 χ^2/NDF:74.1/56

All: -234.421+/-415.109 χ^2/NDF: 116.5/106



Right In: 2492.978+/-0.531 χ^2/NDF: 8809305.8/26

Left Out: 4966.879+/-0.823 χ^2/NDF:1917937.7/24

Right Out: 1975.339+/-0.436 χ^2/NDF: 13849349.5/31

Left In: 5134.445+/-0.869 χ^2/NDF:1487075.9/22

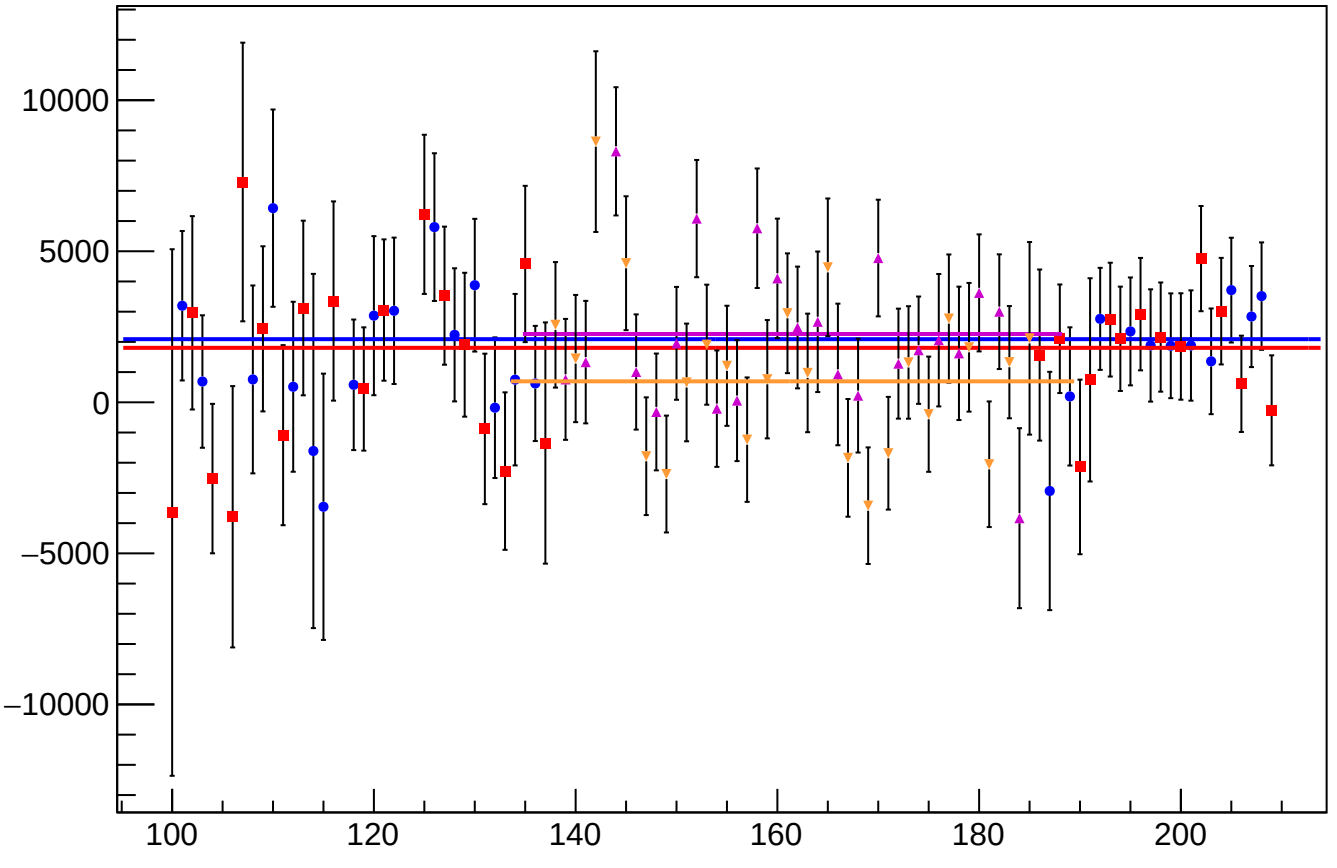
Left: 5046.167+/-0.598 χ^2/NDF: 3424610.1/47

Right: 2183.962+/-0.337 χ^2/NDF: 23226416.4/58

In: 3210.907+/-0.453 χ^2/NDF:17027460.8/49

Out: 2630.737+/-0.385 χ^2/NDF:26075330.5/56

All: 2874.379+/-0.294 χ^2/NDF: 44054444.5/



Right In: 2089.932+/-420.945 χ^2/NDF: 14.7/26

Left Out: 694.313+/-418.051 χ^2/NDF:32.2/23

Right Out: 1803.276+/-414.784 χ^2/NDF: 25.5/30

Left In: 2261.767+/-419.177 χ^2/NDF:30.4/22

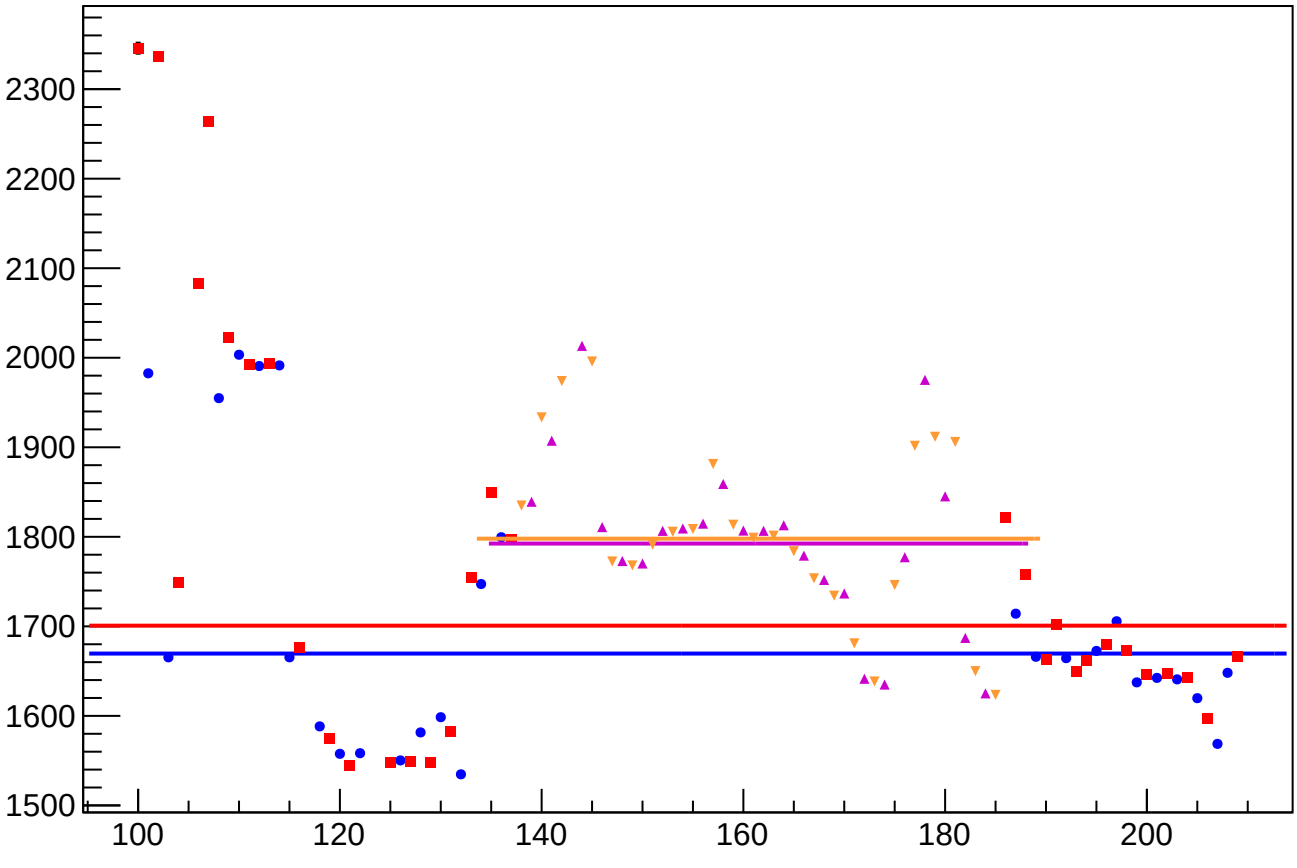
Left: 1475.932+/-296.004 χ^2/NDF: 69.6/46

Right: 1944.491+/-295.451 χ^2/NDF: 40.4/57

In: 2176.211+/-297.026 χ^2/NDF:45.2/49

Out: 1253.145+/-294.445 χ^2/NDF:61.2/54

All: 1710.649+/-209.111 χ^2/NDF: 111.3/104



Right In: 1669.602+/-0.298 χ^2/NDF: 152017.1/26

Left Out: 1797.911+/-0.296 χ^2/NDF:98005.5/23

Right Out: 1700.755+/-0.293 χ^2/NDF: 284510.7/30

Left In: 1792.451+/-0.296 χ^2/NDF:92878.6/22

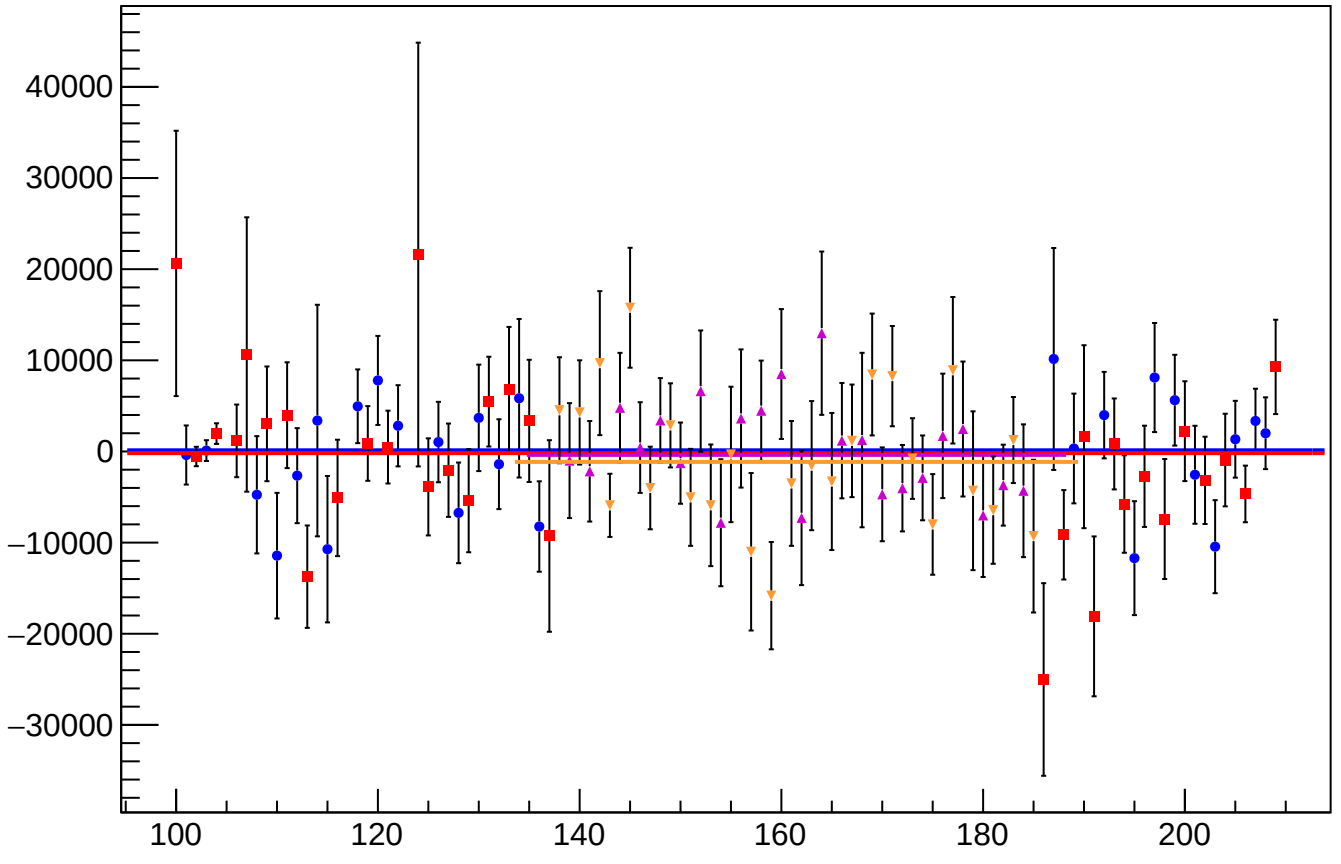
Left: 1795.188+/-0.209 χ^2/NDF: 191054.1/46

Right: 1685.422+/-0.209 χ^2/NDF: 442090.9/57

In: 1731.285+/-0.210 χ^2/NDF:330426.4/49

Out: 1748.908+/-0.208 χ^2/NDF:436998.3/54

All: 1740.178+/-0.148 χ^2/NDF: 770977.4/104



Right In: 126.243+/-750.644 χ^2/NDF: 28.8/26

Left Out: -1144.411+/-1164.460 χ^2/NDF:32.6/24

Right Out: -187.206+/-616.772 χ^2/NDF: 41.0/31

Left In: -374.928+/-1228.701 χ^2/NDF:13.3/22

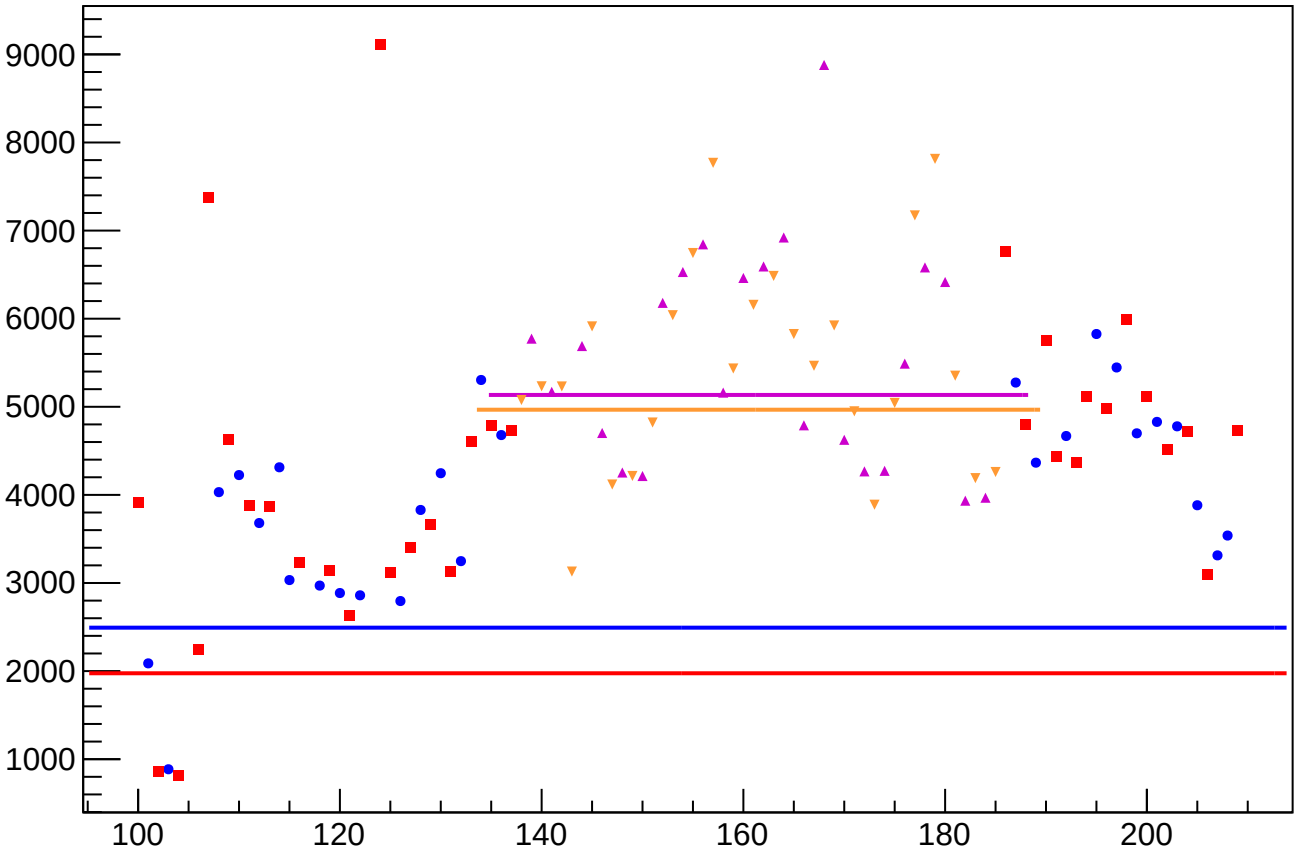
Left: -780.311+/-845.196 χ^2/NDF: 46.0/47

Right: -60.877+/-476.542 χ^2/NDF: 69.9/58

In: -9.970+/-640.564 χ^2/NDF:42.2/49

Out: -396.912+/-545.039 χ^2/NDF:74.1/56

All: -234.416+/-415.108 χ^2/NDF: 116.5/106



Right In: 2492.960+/-0.531 χ^2/NDF: 8809426.1/26

Left Out: 4966.886+/-0.823 χ^2/NDF:1917943.9/24

Right Out: 1975.321+/-0.436 χ^2/NDF: 13849478.4/31

Left In: 5134.453+/-0.869 χ^2/NDF:1487077.8/22

Left: 5046.175+/-0.598 χ^2/NDF: 3424618.3/47

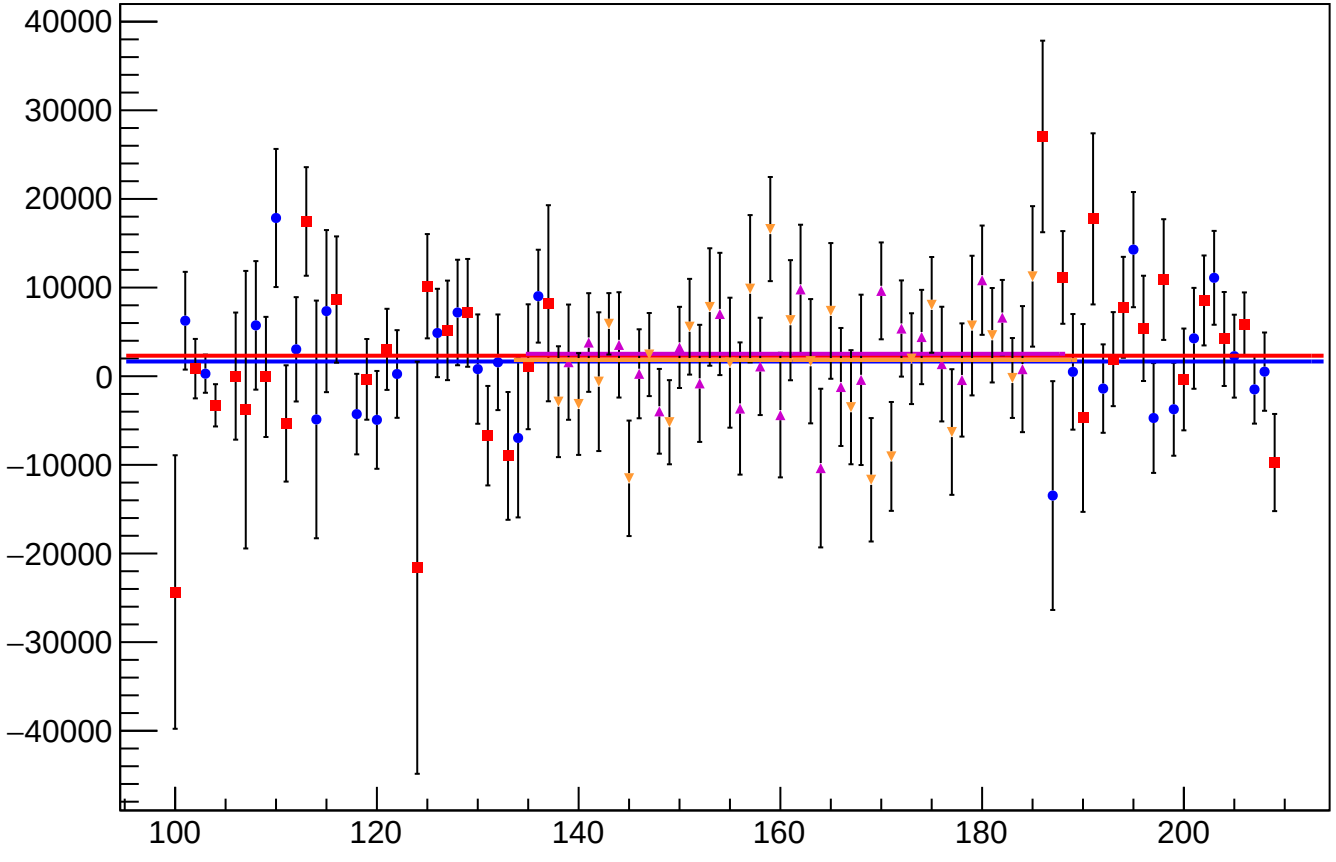
Right: 2183.944+/-0.337 χ^2/NDF: 23226671.9/58

In: 3210.890+/-0.453 χ^2/NDF:17027714.1/49

Out: 2630.717+/-0.385 χ^2/NDF:26075640.0/56

All: 2874.360+/-0.294 χ^2/NDF: 44055024.1/1

asym_atl_avg_mean vs Slug, Sign Corrected



Right In: 1661.783+/-991.544 χ^2/NDF: 25.6/26

Left Out: 1826.201+/-1172.478 χ^2/NDF:31.1/24

Right Out: 2314.226+/-977.859 χ^2/NDF: 48.3/31

Left In: 2529.501+/-1242.040 χ^2/NDF:13.2/22

Left: 2157.606+/-852.599 χ^2/NDF: 44.4/47

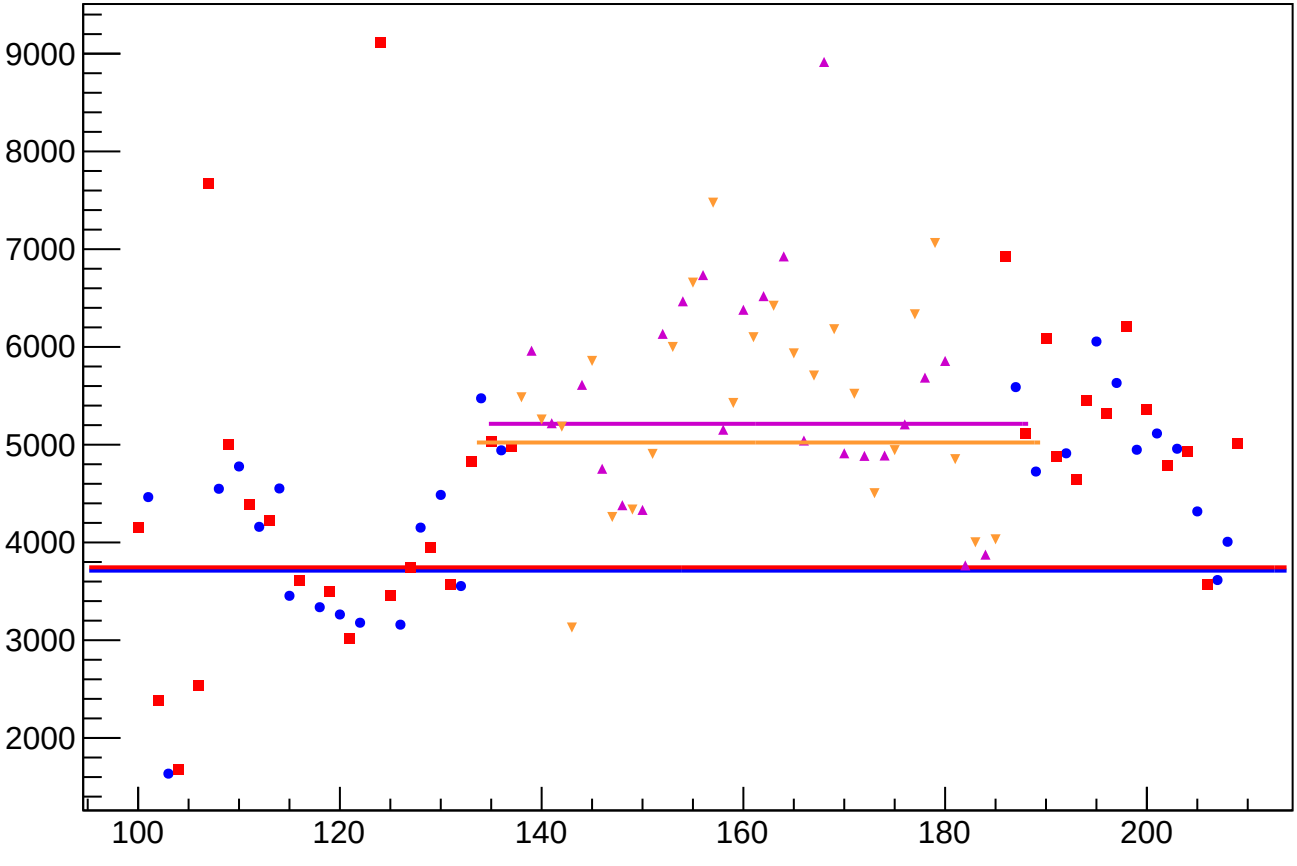
Right: 1992.538+/-696.239 χ^2/NDF: 74.2/58

In: 1999.537+/-774.901 χ^2/NDF:39.1/49

Out: 2114.024+/-750.962 χ^2/NDF:79.5/56

All: 2058.576+/-539.275 χ^2/NDF: 118.7/106

asym_atl_avg_rms vs Slug, Sign Corrected



Right In: 3711.767+/-0.701 χ^2/NDF: 3335615.5/26

Left Out: 5022.407+/-0.829 χ^2/NDF:1676611.8/24

Right Out: 3745.506+/-0.685 χ^2/NDF: 4025144.0/31

Left In: 5213.625+/-0.878 χ^2/NDF:1223192.9/22

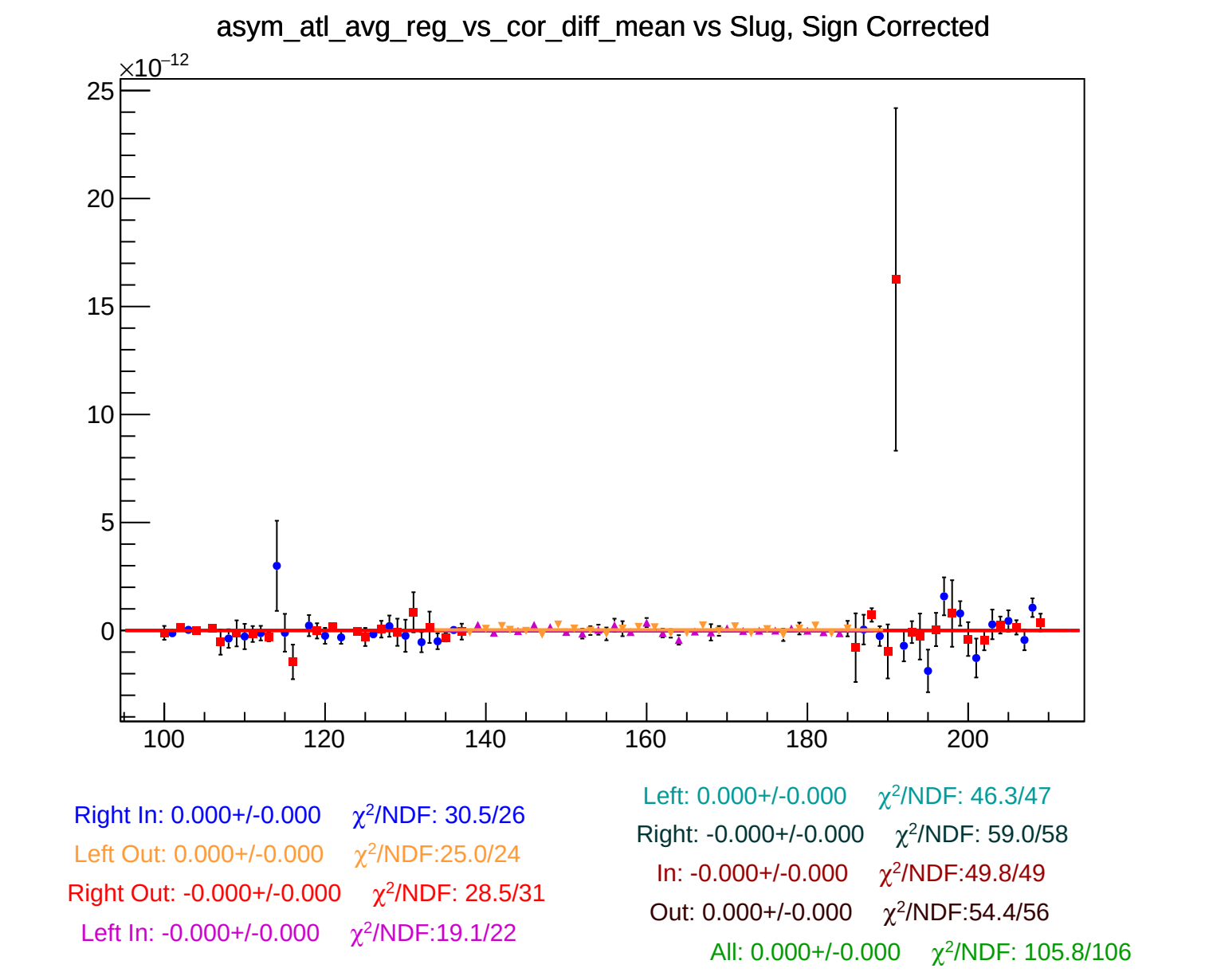
Left: 5112.512+/-0.603 χ^2/NDF: 2924871.4/47

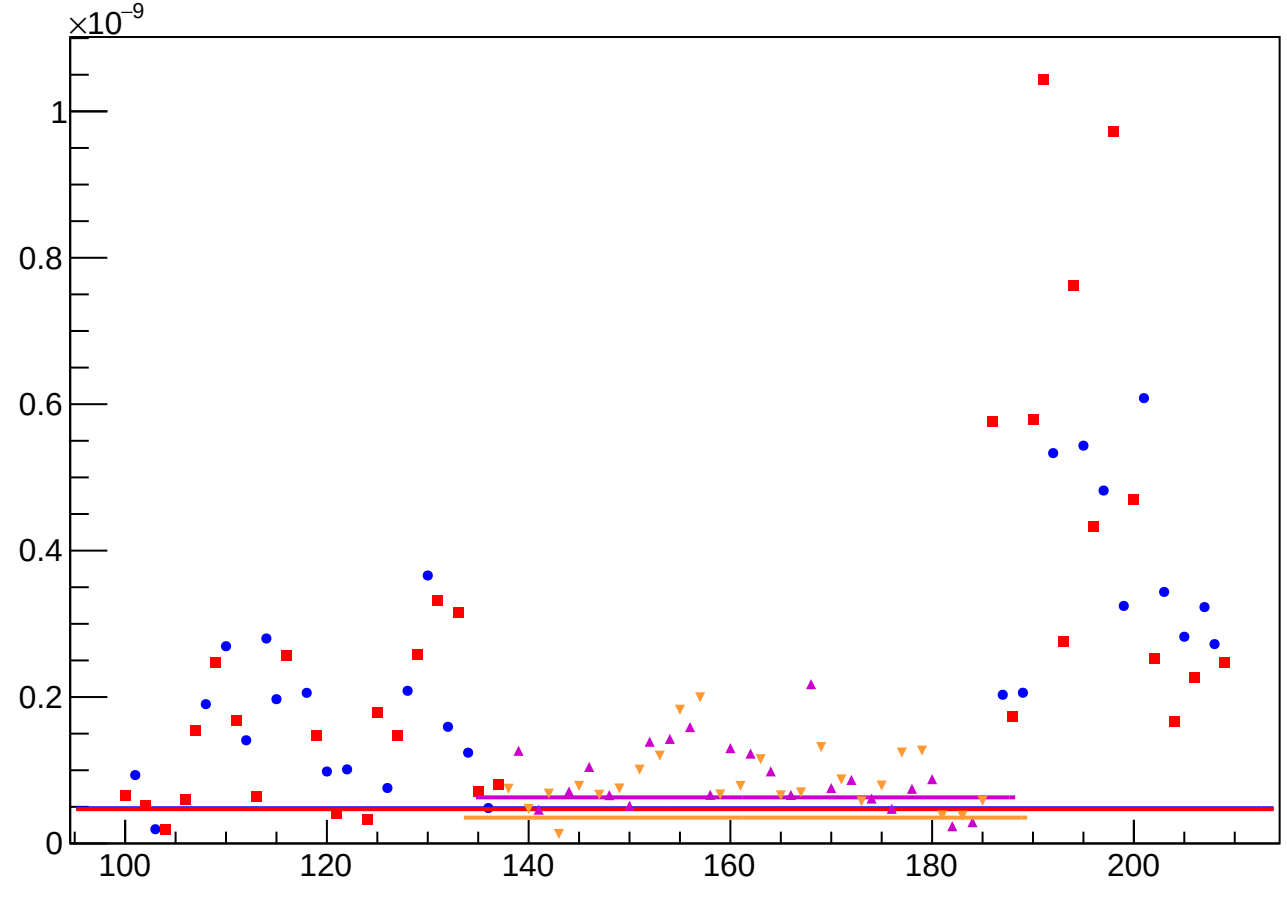
Right: 3729.036+/-0.490 χ^2/NDF: 7361944.7/58

In: 4296.355+/-0.548 χ^2/NDF:6344823.4/49

Out: 4263.283+/-0.528 χ^2/NDF:7111987.2/56

All: 4279.205+/-0.380 χ^2/NDF: 13458699.7/1


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
Right In: 0.000+/-0.000 χ²/NDF: 30.5/26
Left Out: 0.000+/-0.000 χ²/NDF:25.0/24
Right Out: -0.000+/-0.000 χ²/NDF: 28.5/31
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: 59.0/58
In: -0.000+/-0.000 χ²/NDF:49.8/49
Out: 0.000+/-0.000 χ²/NDF:54.4/56
All: 0.000+/-0.000 χ²/NDF: 105.8/106



Right In: 0.000+/-0.000 χ^2/NDF: 8570380.0/26

Left Out: 0.000+/-0.000 χ^2/NDF:6511119.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 8613410.8/31

Left In: 0.000+/-0.000 χ^2/NDF:2934305.1/22

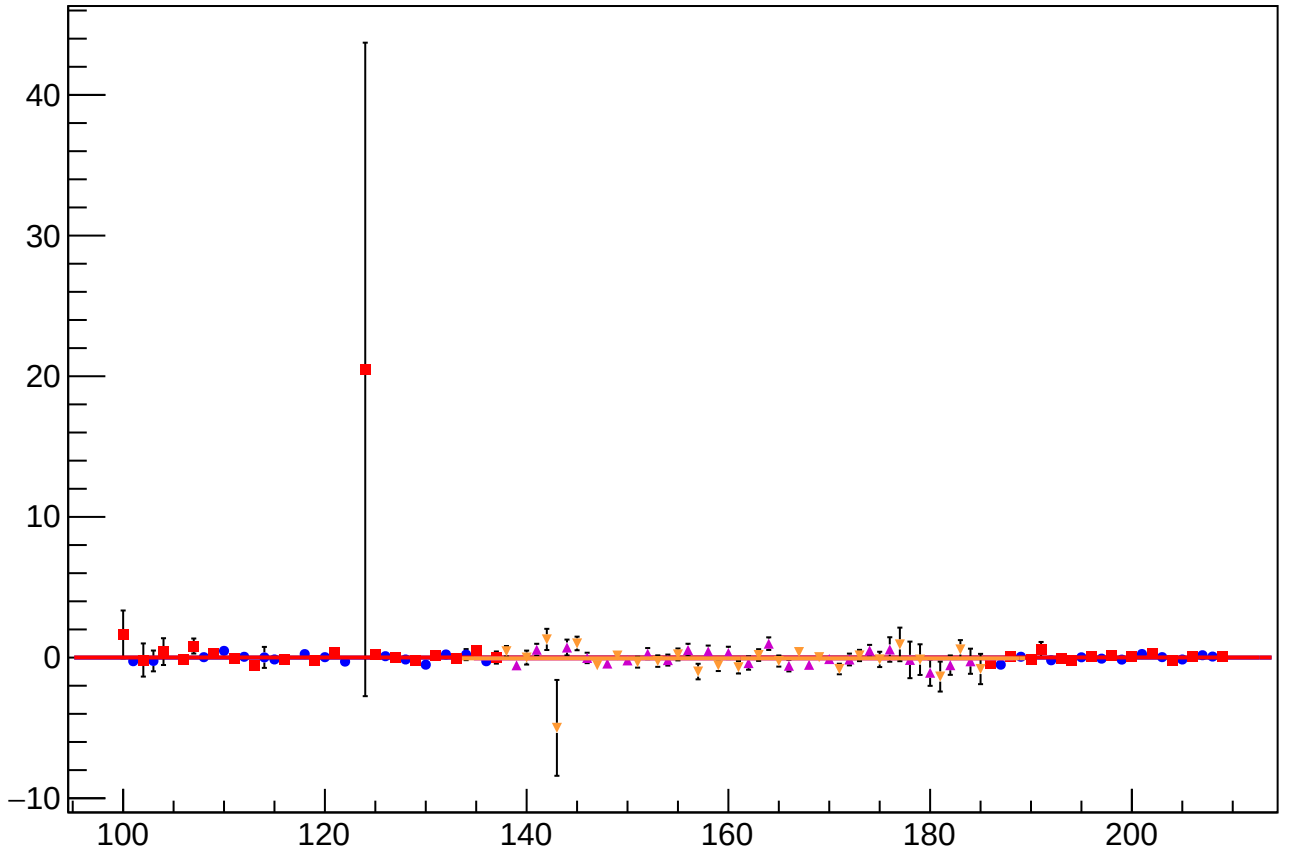
Left: 0.000+/-0.000 χ^2/NDF: 10839622.8/47

Right: 0.000+/-0.000 χ^2/NDF: 17185207.7/58

In: 0.000+/-0.000 χ^2/NDF:11741324.6/49

Out: 0.000+/-0.000 χ^2/NDF:15322921.5/56

All: 0.000+/-0.000 χ^2/NDF: 28060546.5/106



Right In: -0.004+/-0.038 χ^2/NDF: 26.8/26

Left Out: -0.054+/-0.085 χ^2/NDF:33.1/24

Right Out: 0.009+/-0.035 χ^2/NDF: 32.5/31

Left In: -0.063+/-0.083 χ^2/NDF:28.0/22

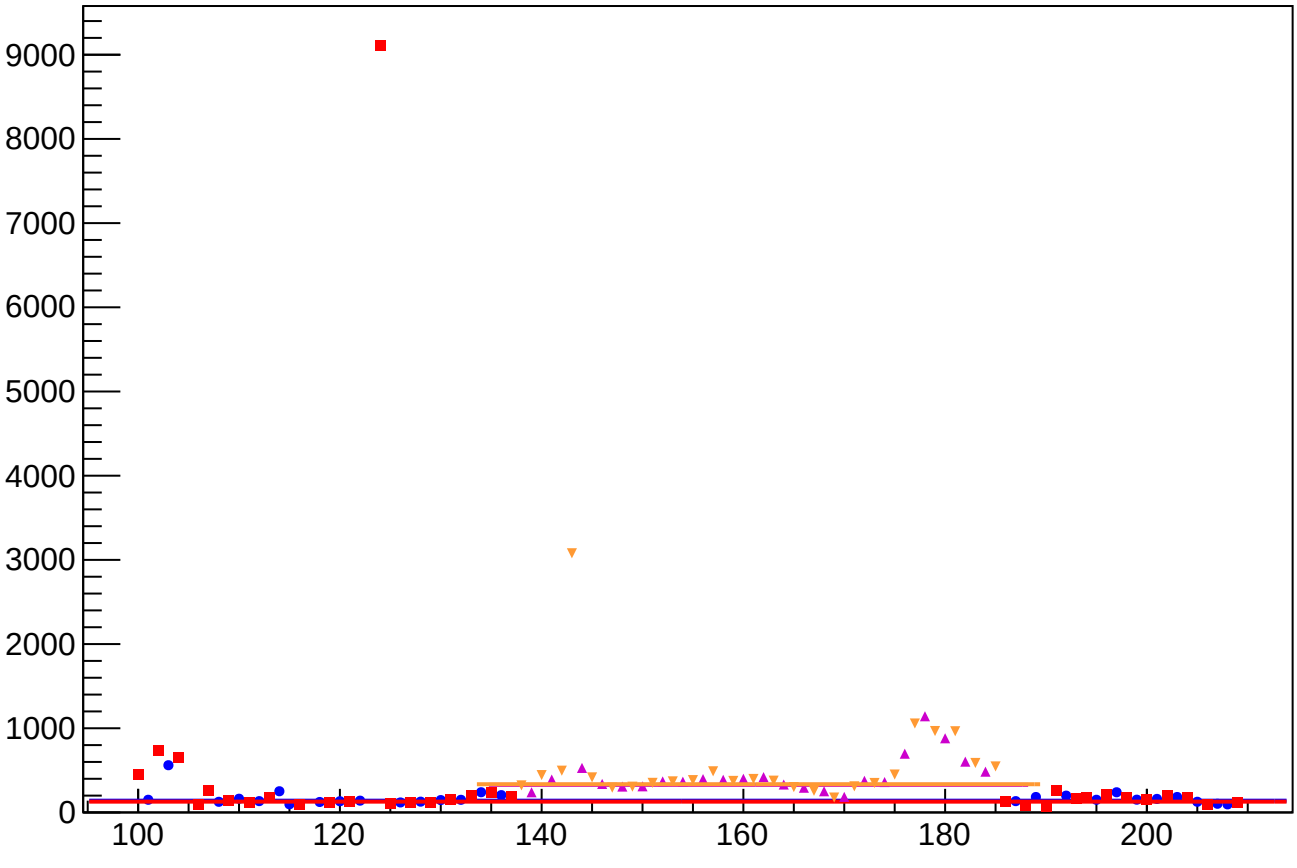
Left: -0.059+/-0.059 χ^2/NDF: 61.1/47

Right: 0.003+/-0.026 χ^2/NDF: 59.4/58

In: -0.015+/-0.035 χ^2/NDF:55.2/49

Out: -0.000+/-0.032 χ^2/NDF:66.1/56

All: -0.007+/-0.024 χ^2/NDF: 121.4/106



Right In: 139.933+/-0.027 χ^2/NDF: 2275388.6/26

Left Out: 335.166+/-0.060 χ^2/NDF:5852083.8/24

Right Out: 128.524+/-0.025 χ^2/NDF: 4203797.1/31

Left In: 327.572+/-0.059 χ^2/NDF:4153081.9/22

Left: 331.284+/-0.042 χ^2/NDF: 10013400.4/47

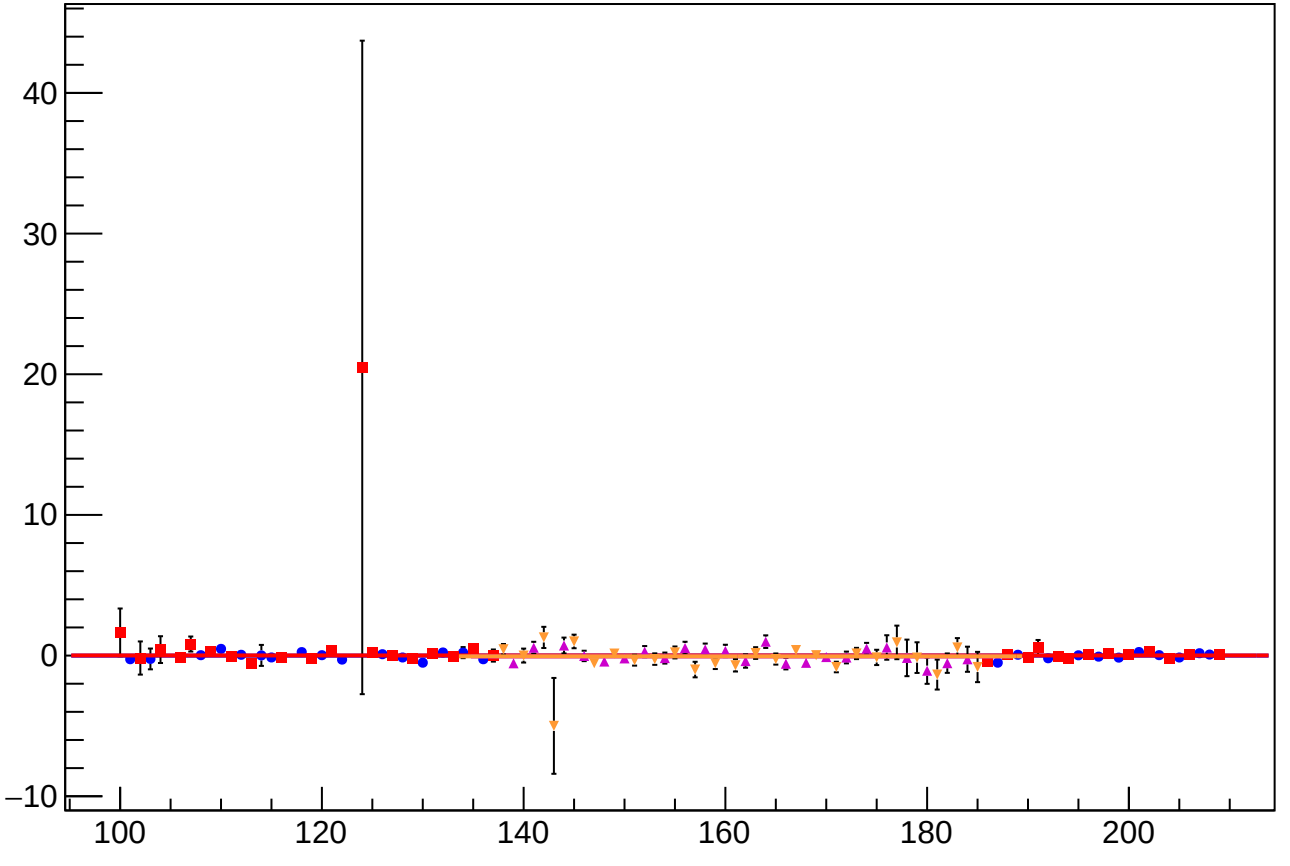
Right: 133.750+/-0.018 χ^2/NDF: 6575442.6/58

In: 173.027+/-0.025 χ^2/NDF:14900482.8/49

Out: 159.008+/-0.023 χ^2/NDF:20225605.8/56

All: 165.549+/-0.017 χ^2/NDF: 35299748.4/10

asym_atl_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.004+/-0.038 χ^2/NDF: 26.8/26

Left Out: -0.054+/-0.085 χ^2/NDF:33.1/24

Right Out: 0.009+/-0.035 χ^2/NDF: 32.5/31

Left In: -0.063+/-0.083 χ^2/NDF:28.0/22

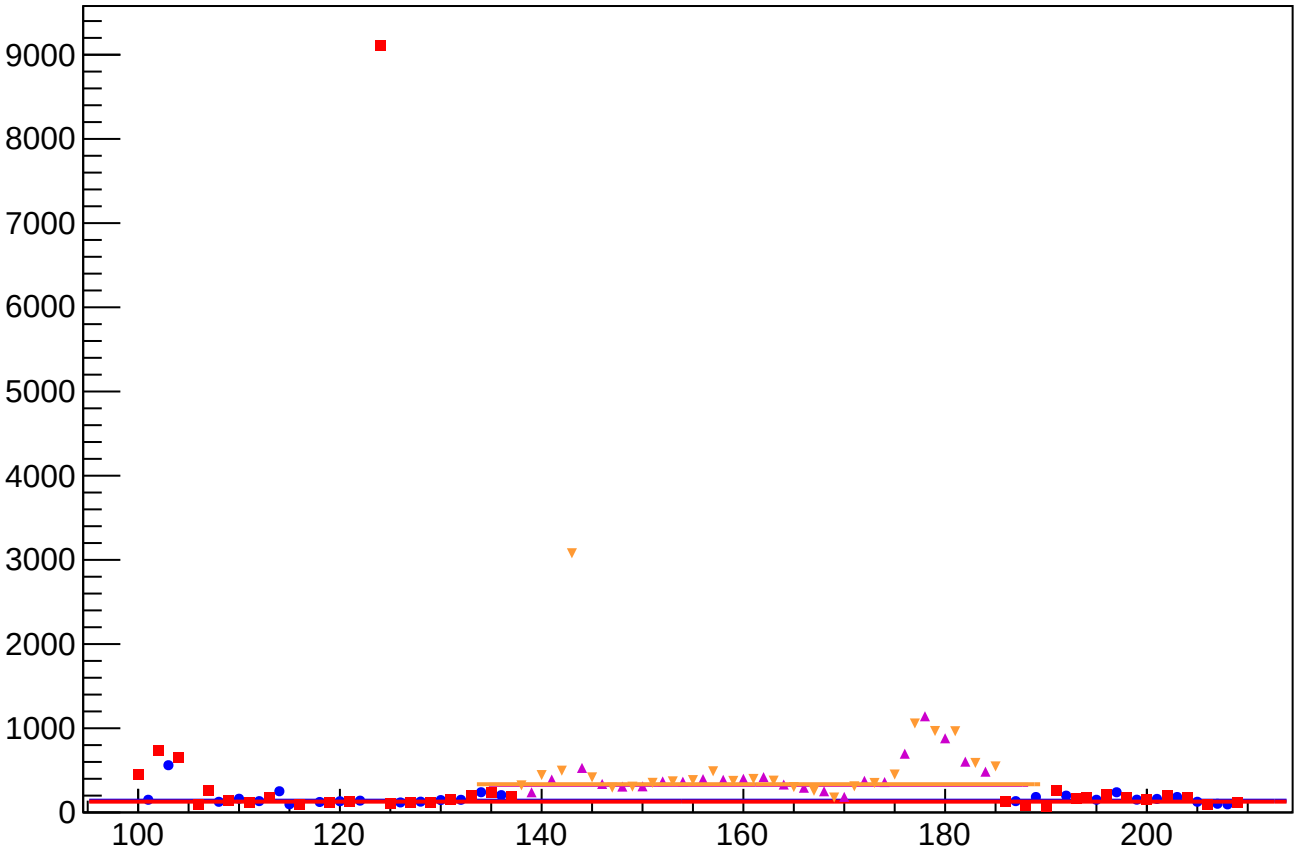
Left: -0.059+/-0.059 χ^2/NDF: 61.1/47

Right: 0.003+/-0.026 χ^2/NDF: 59.4/58

In: -0.015+/-0.035 χ^2/NDF:55.2/49

Out: -0.000+/-0.032 χ^2/NDF:66.1/56

All: -0.007+/-0.024 χ^2/NDF: 121.4/106



Right In: 139.933+/-0.027 χ^2/NDF: 2275388.6/26

Left Out: 335.166+/-0.060 χ^2/NDF:5852083.8/24

Right Out: 128.524+/-0.025 χ^2/NDF: 4203797.1/31

Left In: 327.572+/-0.059 χ^2/NDF:4153081.9/22

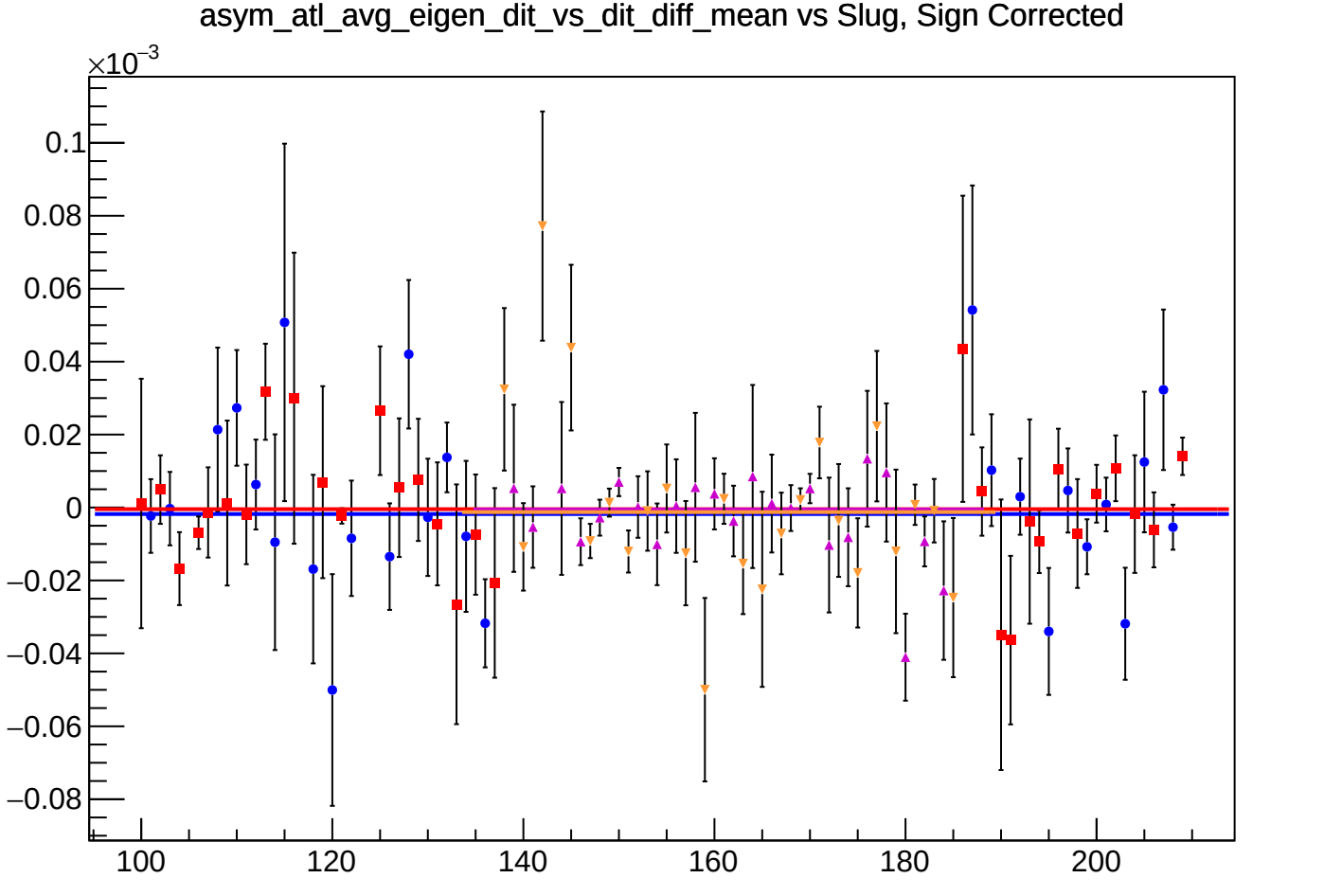
Left: 331.284+/-0.042 χ^2/NDF: 10013400.4/47

Right: 133.750+/-0.018 χ^2/NDF: 6575442.6/58

In: 173.027+/-0.025 χ^2/NDF:14900482.8/49

Out: 159.008+/-0.023 χ^2/NDF:20225605.8/56

All: 165.549+/-0.017 χ^2/NDF: 35299748.4/10



Right In: -0.000+/-0.000 χ^2/NDF: 39.0/26

Left Out: -0.000+/-0.000 χ^2/NDF:35.7/23

Right Out: -0.000+/-0.000 χ^2/NDF: 33.6/30

Left In: -0.000+/-0.000 χ^2/NDF:25.5/22

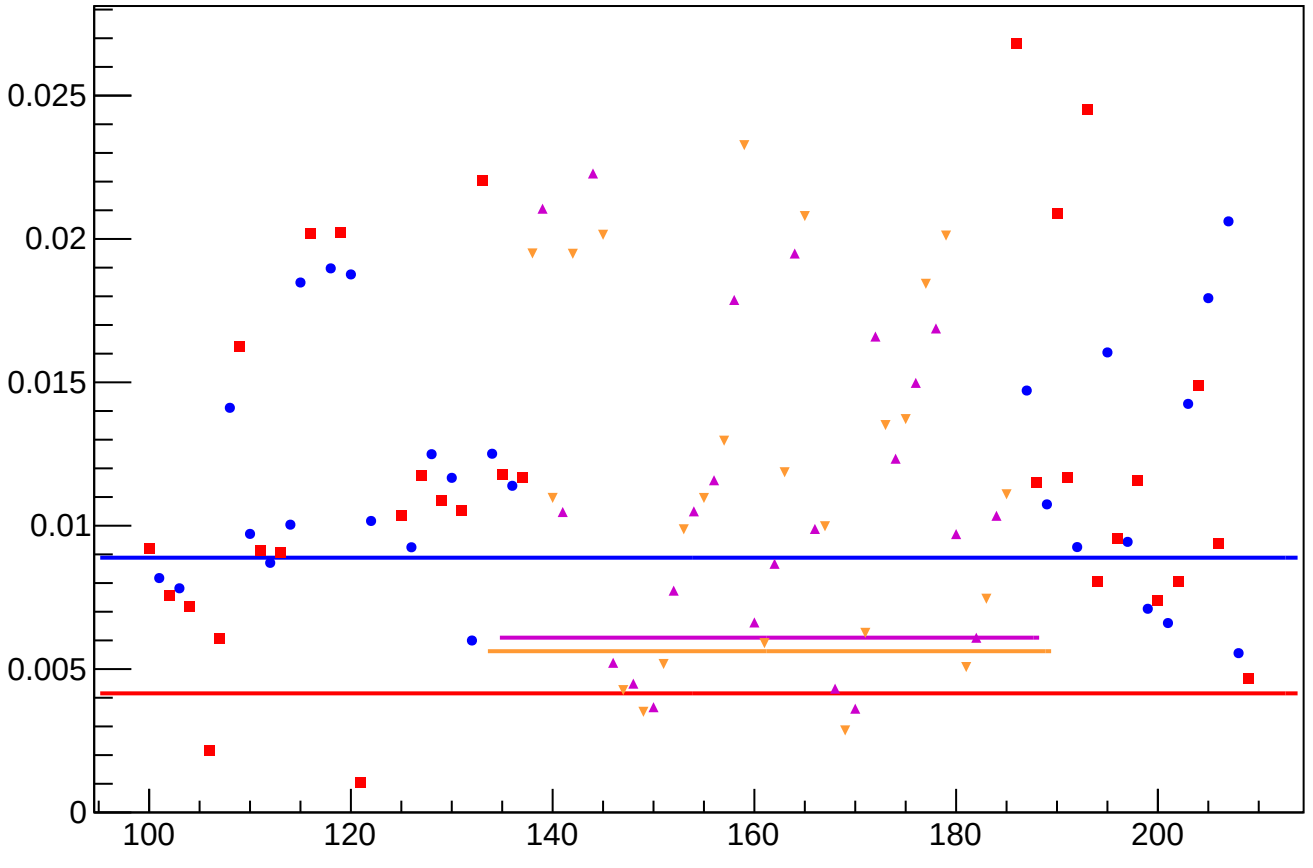
Left: -0.000+/-0.000 χ^2/NDF: 61.3/46

Right: -0.000+/-0.000 χ^2/NDF: 72.8/57

In: -0.000+/-0.000 χ^2/NDF:64.6/49

Out: -0.000+/-0.000 χ^2/NDF:69.5/54

All: -0.000+/-0.000 χ^2/NDF: 134.1/104



Right In: 0.009+/-0.000 χ^2/NDF: 3763014.5/26

Left Out: 0.006+/-0.000 χ^2/NDF:11183743.0/23

Right Out: 0.004+/-0.000 χ^2/NDF: 16315964.5/30

Left In: 0.006+/-0.000 χ^2/NDF:8798992.3/22

Left: 0.006+/-0.000 χ^2/NDF: 20062256.6/46

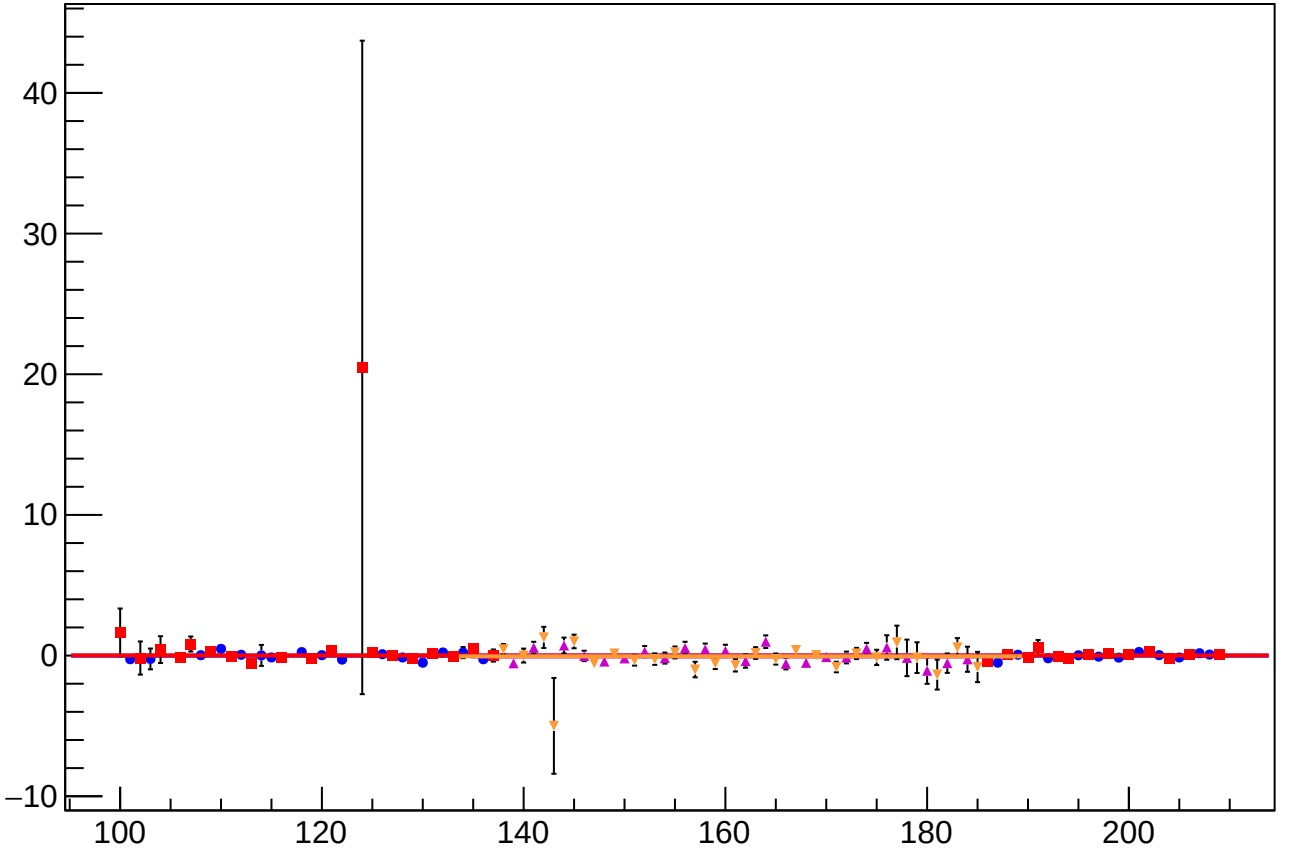
Right: 0.005+/-0.000 χ^2/NDF: 25567475.8/57

In: 0.007+/-0.000 χ^2/NDF:14300232.5/49

Out: 0.005+/-0.000 χ^2/NDF:28398126.8/54

All: 0.006+/-0.000 χ^2/NDF: 45745452.2/104

asym_atl_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.004+/-0.038 χ^2/NDF: 26.8/26

Left Out: -0.054+/-0.085 χ^2/NDF:33.1/24

Right Out: 0.009+/-0.035 χ^2/NDF: 32.5/31

Left In: -0.063+/-0.083 χ^2/NDF:28.0/22

Left: -0.059+/-0.059 χ^2/NDF: 61.1/47

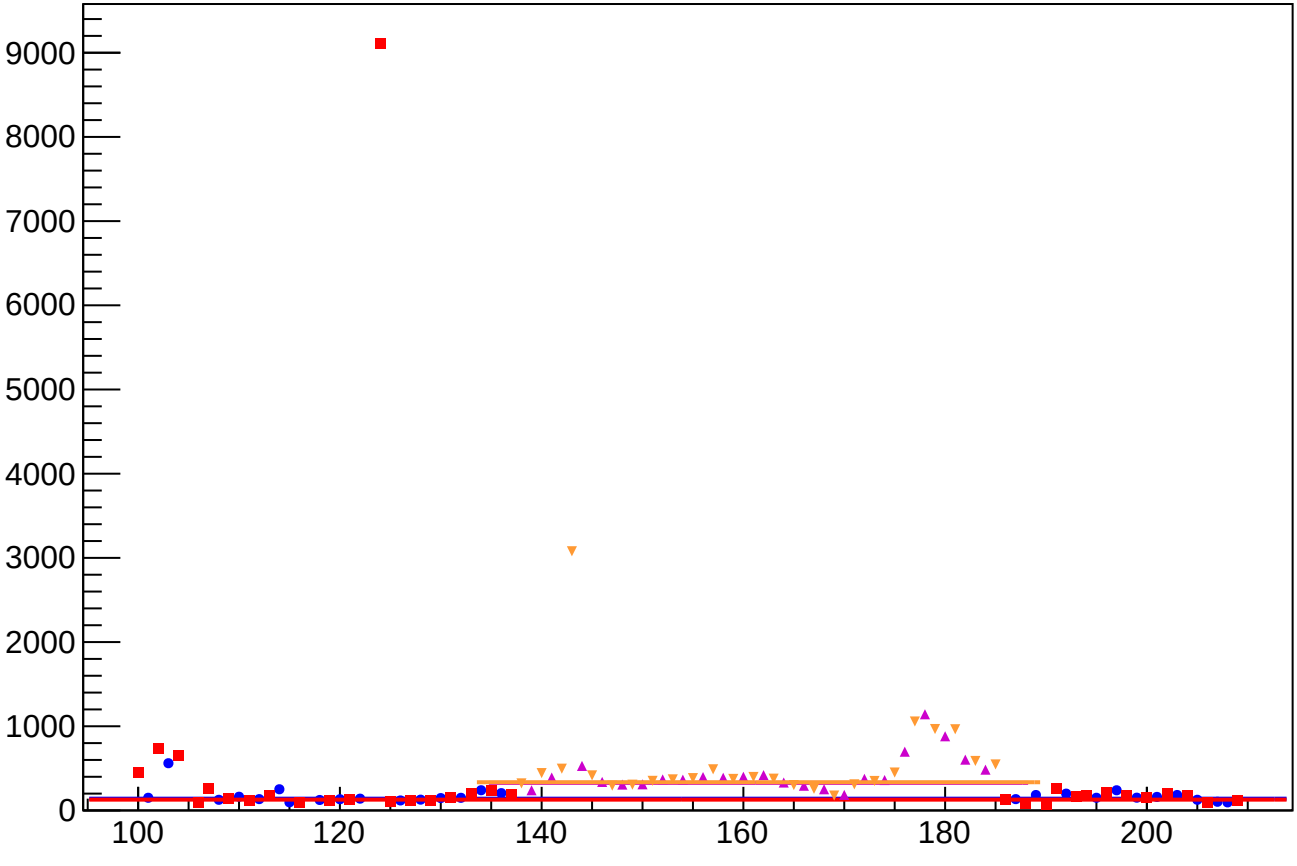
Right: 0.003+/-0.026 χ^2/NDF: 59.4/58

In: -0.015+/-0.035 χ^2/NDF:55.2/49

Out: -0.000+/-0.032 χ^2/NDF:66.1/56

All: -0.007+/-0.024 χ^2/NDF: 121.4/106

asym_atl_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 139.930+/-0.027 χ^2/NDF: 2275619.4/26

Left Out: 335.168+/-0.060 χ^2/NDF:5852151.8/24

Right Out: 128.522+/-0.025 χ^2/NDF: 4203925.8/31

Left In: 327.575+/-0.059 χ^2/NDF:4153087.6/22

Left: 331.286+/-0.042 χ^2/NDF: 10013472.2/47

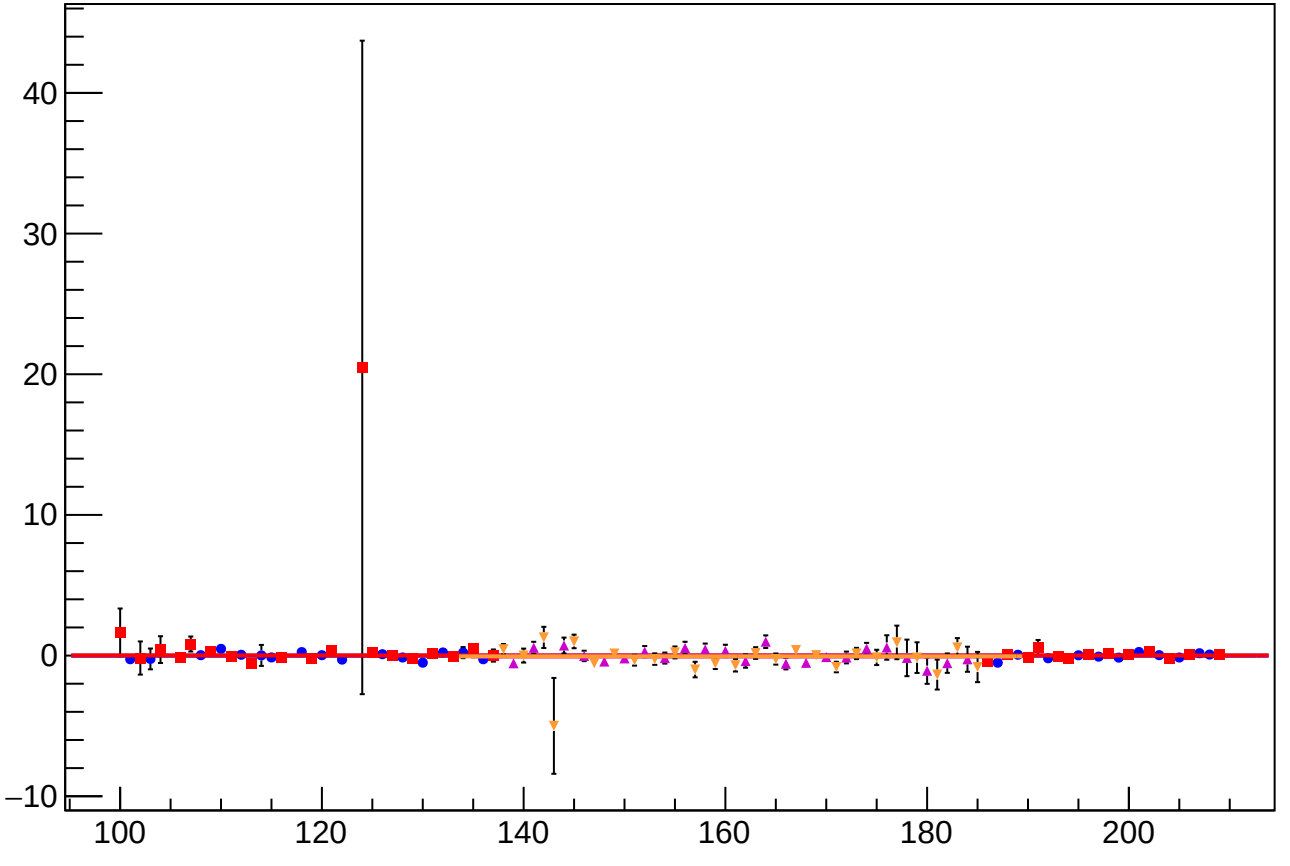
Right: 133.747+/-0.018 χ^2/NDF: 6575783.7/58

In: 173.023+/-0.025 χ^2/NDF:14901212.3/49

Out: 159.005+/-0.023 χ^2/NDF:20226126.7/56

All: 165.546+/-0.017 χ^2/NDF: 35300969.7/10

asym_atl_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.004+/-0.038 χ^2/NDF: 26.8/26

Left Out: -0.054+/-0.085 χ^2/NDF:33.1/24

Right Out: 0.009+/-0.035 χ^2/NDF: 32.5/31

Left In: -0.063+/-0.083 χ^2/NDF:28.0/22

Left: -0.059+/-0.059 χ^2/NDF: 61.1/47

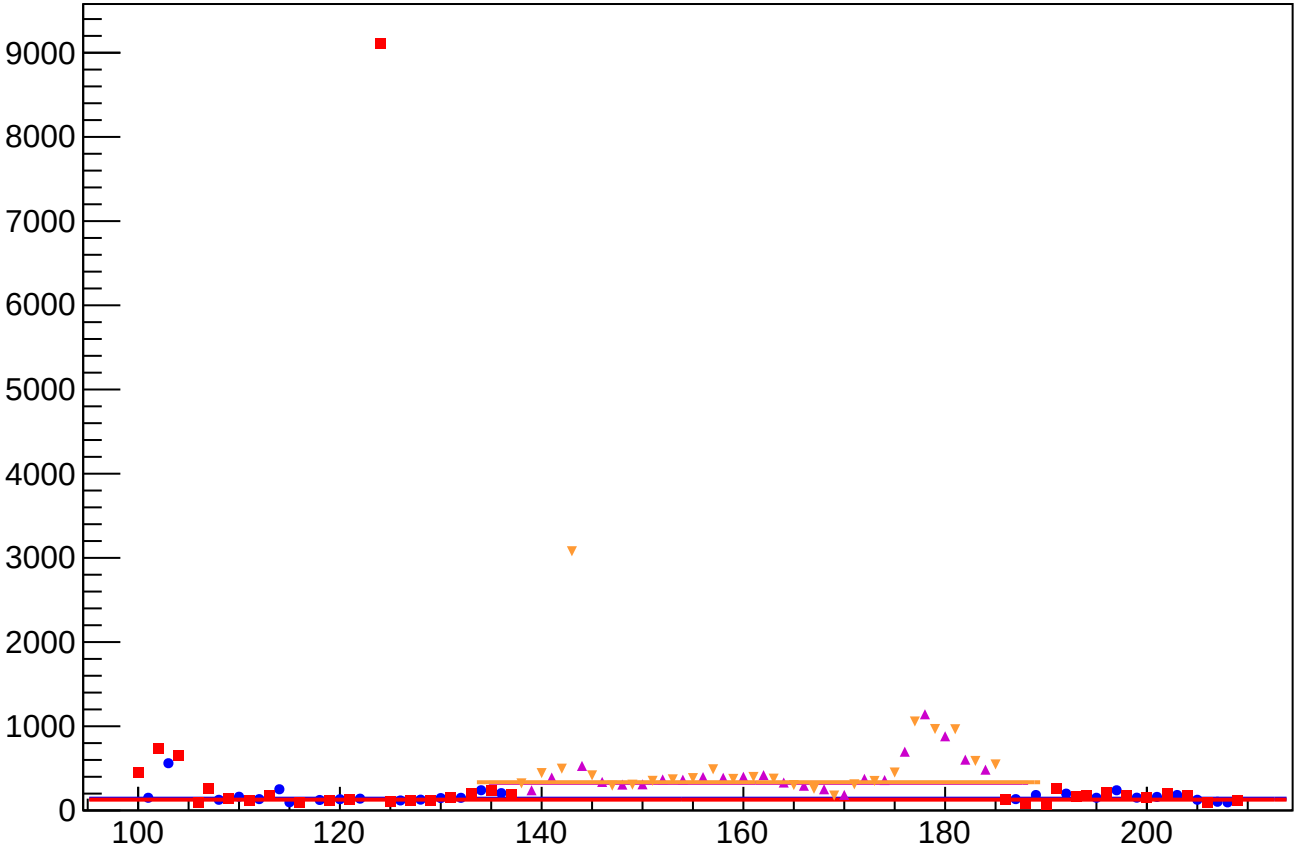
Right: 0.003+/-0.026 χ^2/NDF: 59.4/58

In: -0.015+/-0.035 χ^2/NDF:55.2/49

Out: -0.000+/-0.032 χ^2/NDF:66.1/56

All: -0.007+/-0.024 χ^2/NDF: 121.4/106

asym_atl_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 139.930+/-0.027 χ^2/NDF: 2275619.4/26

Left Out: 335.168+/-0.060 χ^2/NDF:5852151.8/24

Right Out: 128.522+/-0.025 χ^2/NDF: 4203925.8/31

Left In: 327.575+/-0.059 χ^2/NDF:4153087.6/22

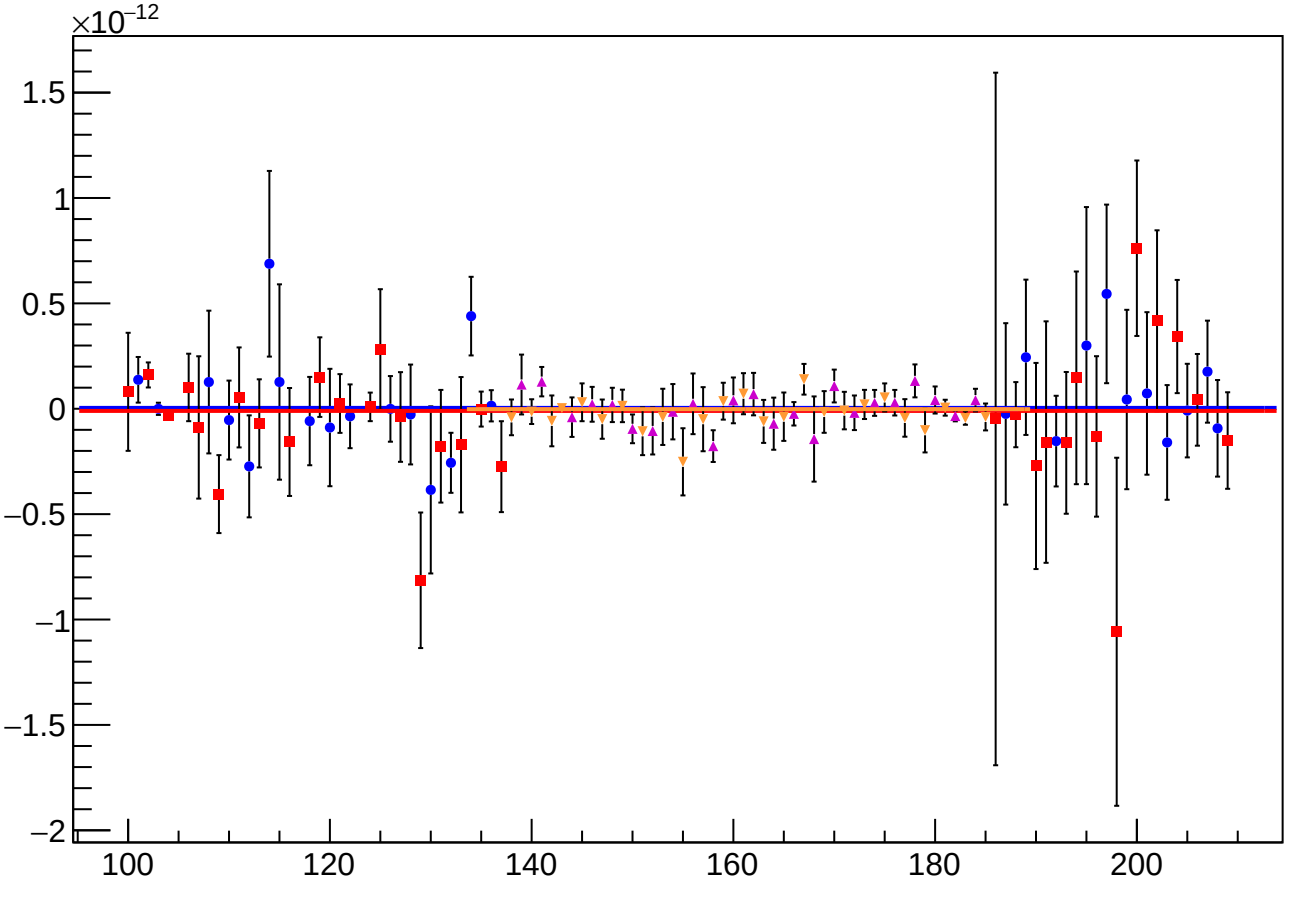
Left: 331.286+/-0.042 χ^2/NDF: 10013472.2/47

Right: 133.747+/-0.018 χ^2/NDF: 6575783.7/58

In: 173.023+/-0.025 χ^2/NDF:14901212.3/49

Out: 159.005+/-0.023 χ^2/NDF:20226126.7/56

All: 165.546+/-0.017 χ^2/NDF: 35300969.7/10



Right In: 0.000+/-0.000 χ^2/NDF: 19.5/26

Left Out: -0.000+/-0.000 χ^2/NDF:13.6/24

Right Out: -0.000+/-0.000 χ^2/NDF: 34.1/31

Left In: -0.000+/-0.000 χ^2/NDF:22.5/22

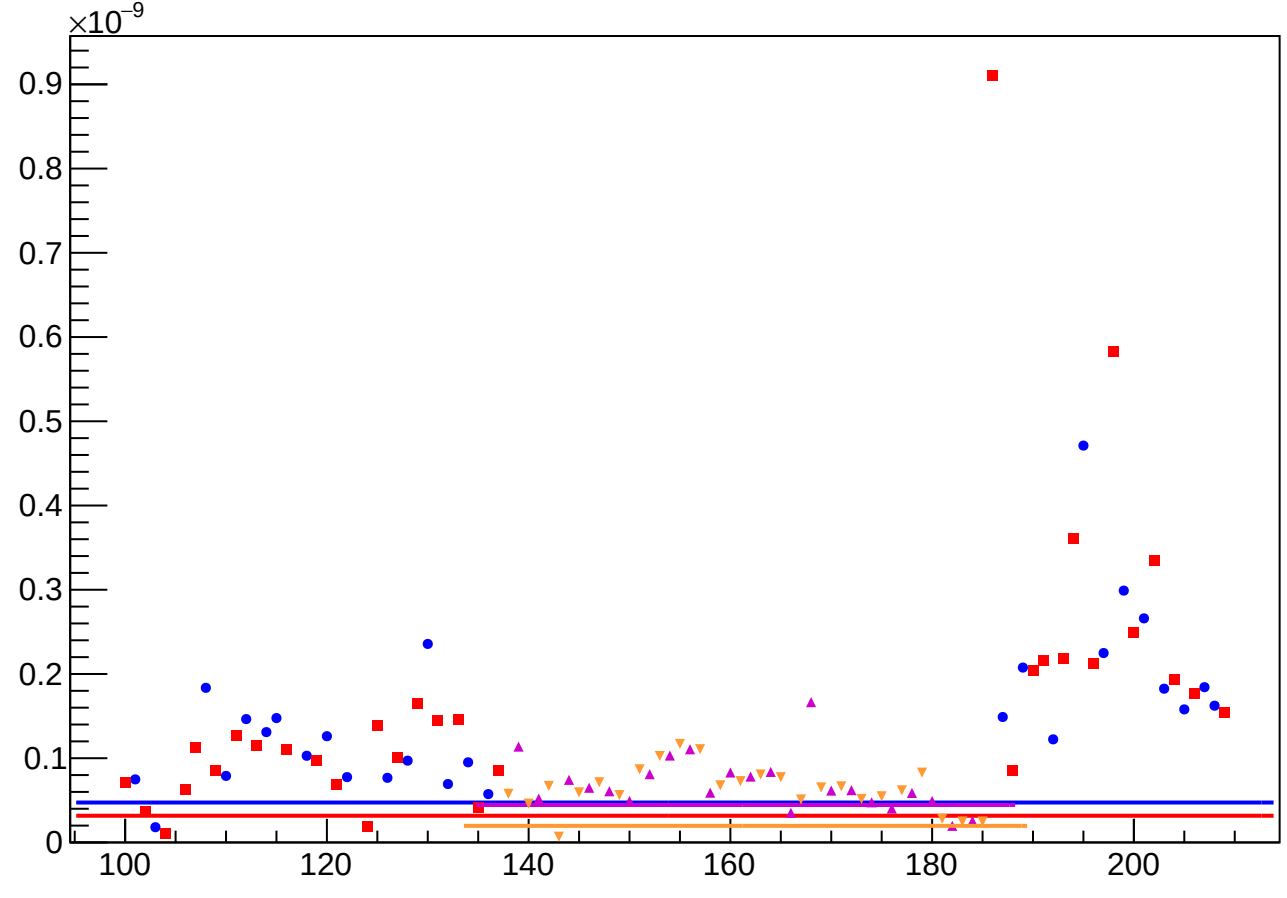
Left: -0.000+/-0.000 χ^2/NDF: 36.1/47

Right: -0.000+/-0.000 χ^2/NDF: 53.8/58

In: -0.000+/-0.000 χ^2/NDF:42.0/49

Out: -0.000+/-0.000 χ^2/NDF:47.9/56

All: -0.000+/-0.000 χ^2/NDF: 90.0/106



Right In: 0.000+/-0.000 χ^2/NDF: 9654915.1/26

Left Out: 0.000+/-0.000 χ^2/NDF:14888228.9/24

Right Out: 0.000+/-0.000 χ^2/NDF: 12772312.1/31

Left In: 0.000+/-0.000 χ^2/NDF:5919814.1/22

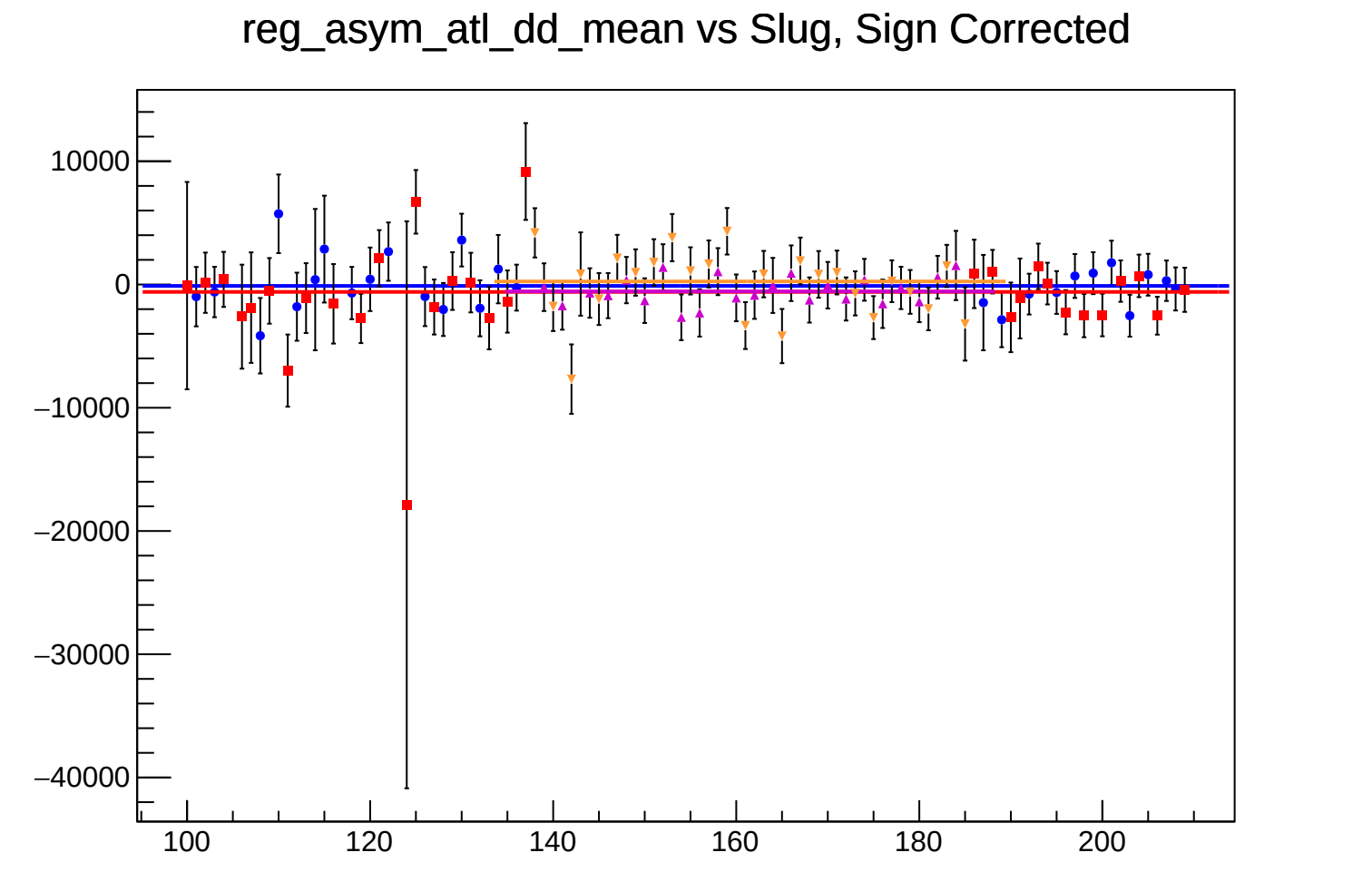
Left: 0.000+/-0.000 χ^2/NDF: 25361712.4/47

Right: 0.000+/-0.000 χ^2/NDF: 22997846.6/58

In: 0.000+/-0.000 χ^2/NDF:15598149.6/49

Out: 0.000+/-0.000 χ^2/NDF:28386504.1/56

All: 0.000+/-0.000 χ^2/NDF: 49420574.2/106



Right In: -114.769+/-410.591 χ^2/NDF: 18.4/26

Left Out: 248.233+/-388.827 χ^2/NDF:39.6/24

Right Out: -601.354+/-401.649 χ^2/NDF: 32.9/31

Left In: -559.995+/-395.112 χ^2/NDF:7.5/22

Left: -149.402+/-277.138 χ^2/NDF: 49.2/47

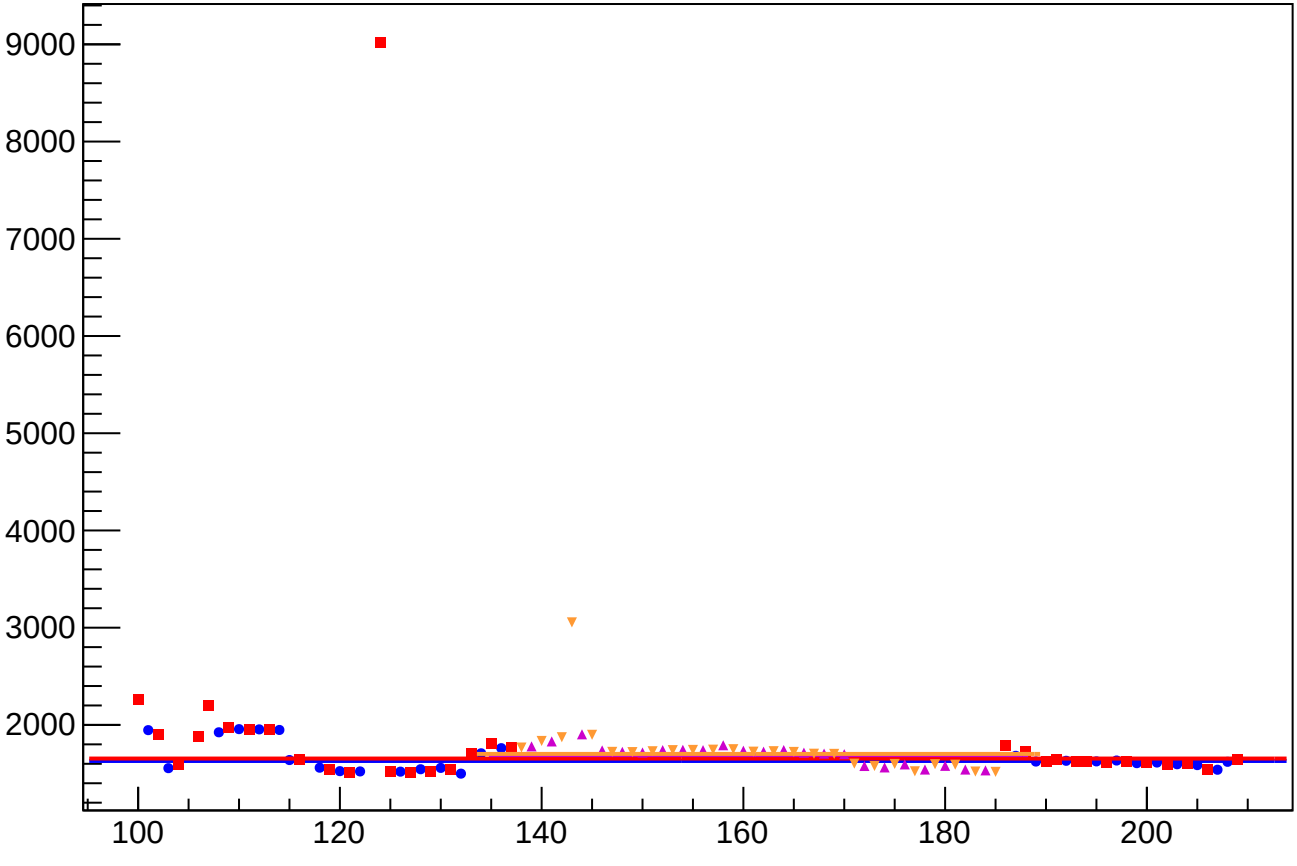
Right: -363.418+/-287.118 χ^2/NDF: 52.1/58

In: -345.932+/-284.701 χ^2/NDF:26.6/49

Out: -162.783+/-279.365 χ^2/NDF:74.8/56

All: -252.625+/-199.401 χ^2/NDF: 101.6/106

reg_asym_atl_dd_rms vs Slug, Sign Corrected



Right In: 1629.164+/-0.290 χ^2/NDF: 157127.7/26

Left Out: 1701.583+/-0.275 χ^2/NDF:452379.1/24

Right Out: 1653.972+/-0.283 χ^2/NDF: 421807.6/31

Left In: 1689.259+/-0.279 χ^2/NDF:122317.9/22

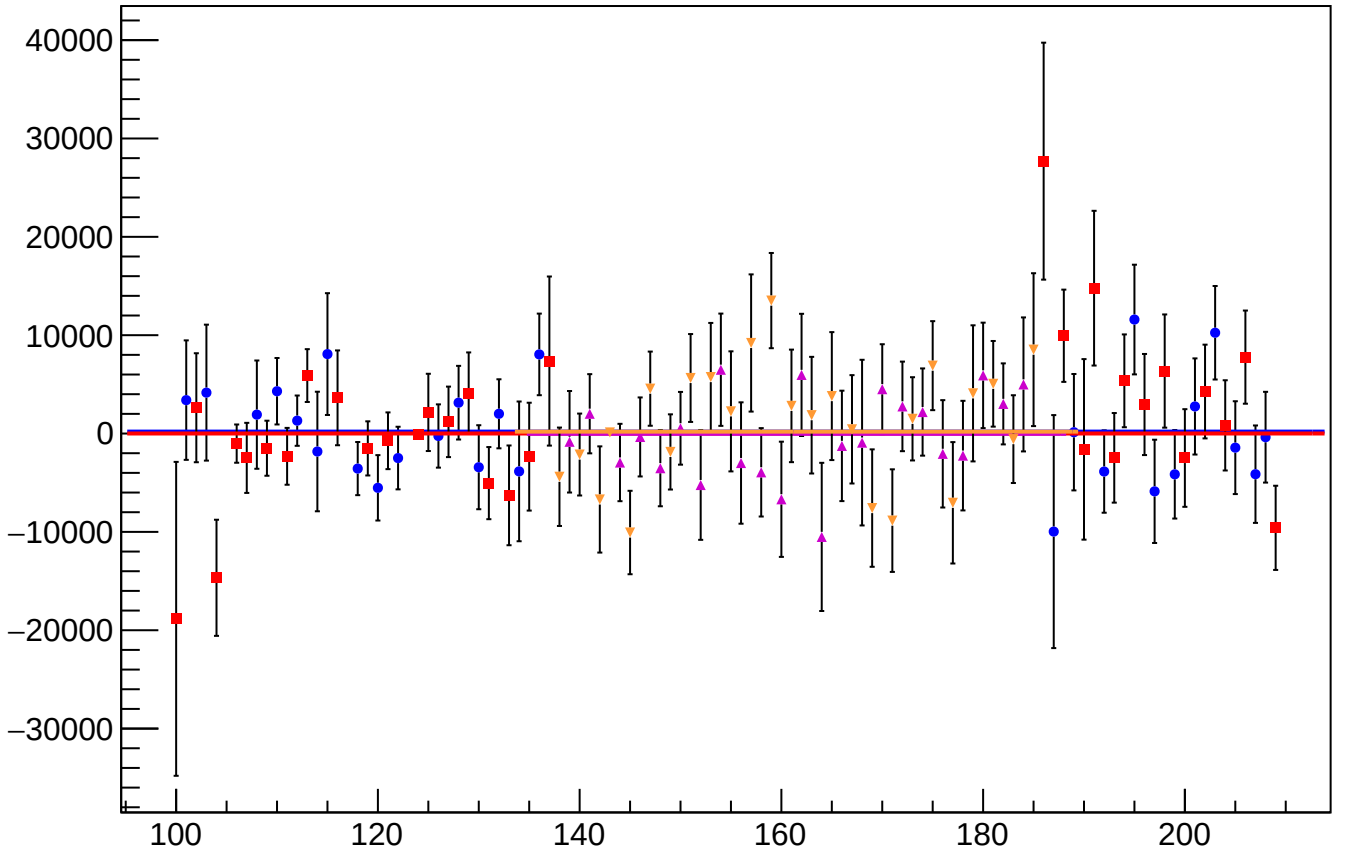
Left: 1695.520+/-0.196 χ^2/NDF: 575685.4/47

Right: 1641.864+/-0.203 χ^2/NDF: 582673.1/58

In: 1660.365+/-0.201 χ^2/NDF:301690.4/49

Out: 1678.505+/-0.197 χ^2/NDF:888721.6/56

All: 1669.615+/-0.141 χ^2/NDF: 1194552.0/10



Right In: 197.619+/-813.275 χ^2/NDF: 29.0/26

Left Out: 193.503+/-343.131 χ^2/NDF:33.9/24

Right Out: 3.867+/-315.981 χ^2/NDF: 46.3/31

Left In: -28.728+/-1025.481 χ^2/NDF:13.3/22

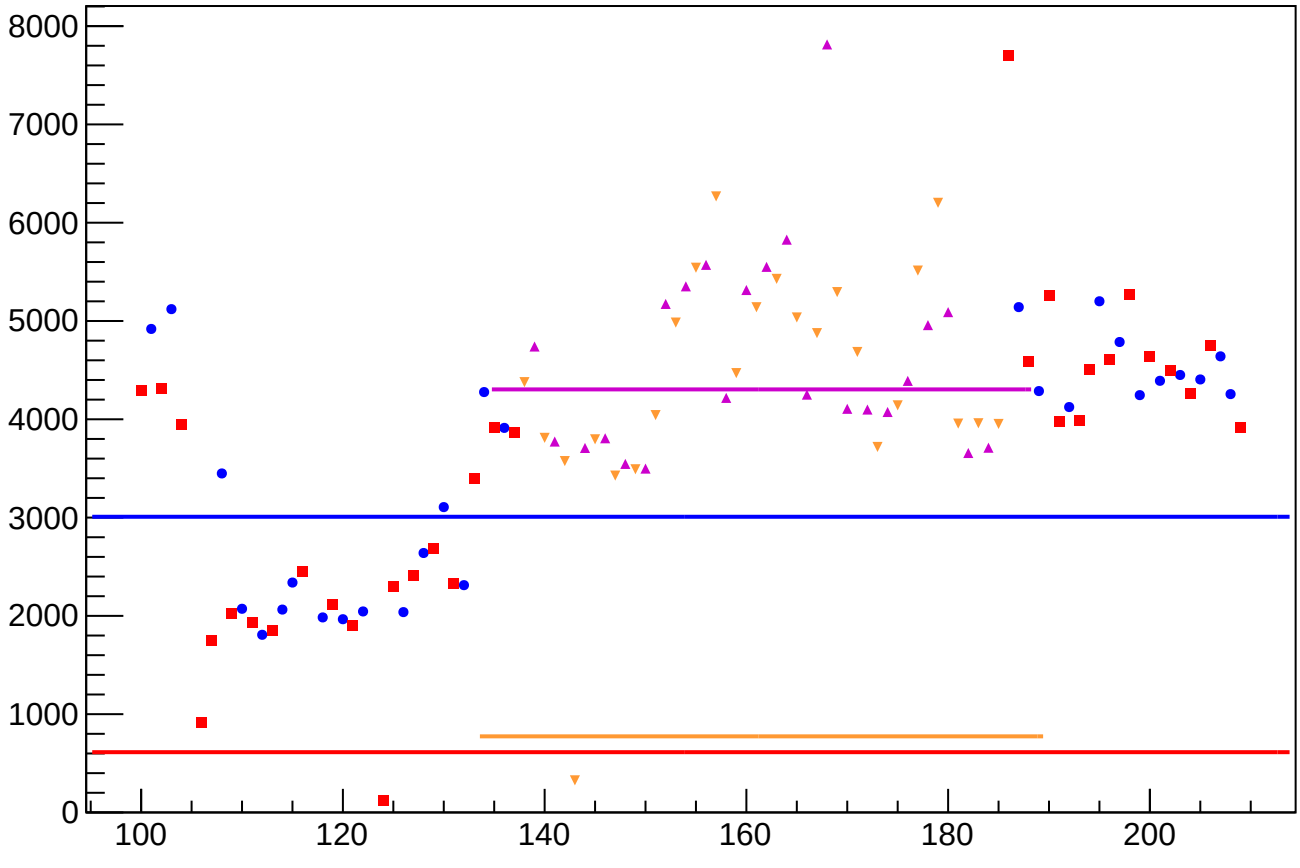
Left: 171.127+/-325.399 χ^2/NDF: 47.2/47

Right: 29.279+/-294.532 χ^2/NDF: 75.3/58

In: 110.224+/-637.210 χ^2/NDF:42.3/49

Out: 90.887+/-232.439 χ^2/NDF:80.3/56

All: 93.158+/-218.365 χ^2/NDF: 122.6/106



Right In: 3008.269+/-0.575 χ^2/NDF: 4043559.2/26

Left Out: 774.232+/-0.243 χ^2/NDF:28085586.8/24

Right Out: 613.249+/-0.223 χ^2/NDF: 26392489.9/31

Left In: 4304.007+/-0.725 χ^2/NDF:1216578.1/22

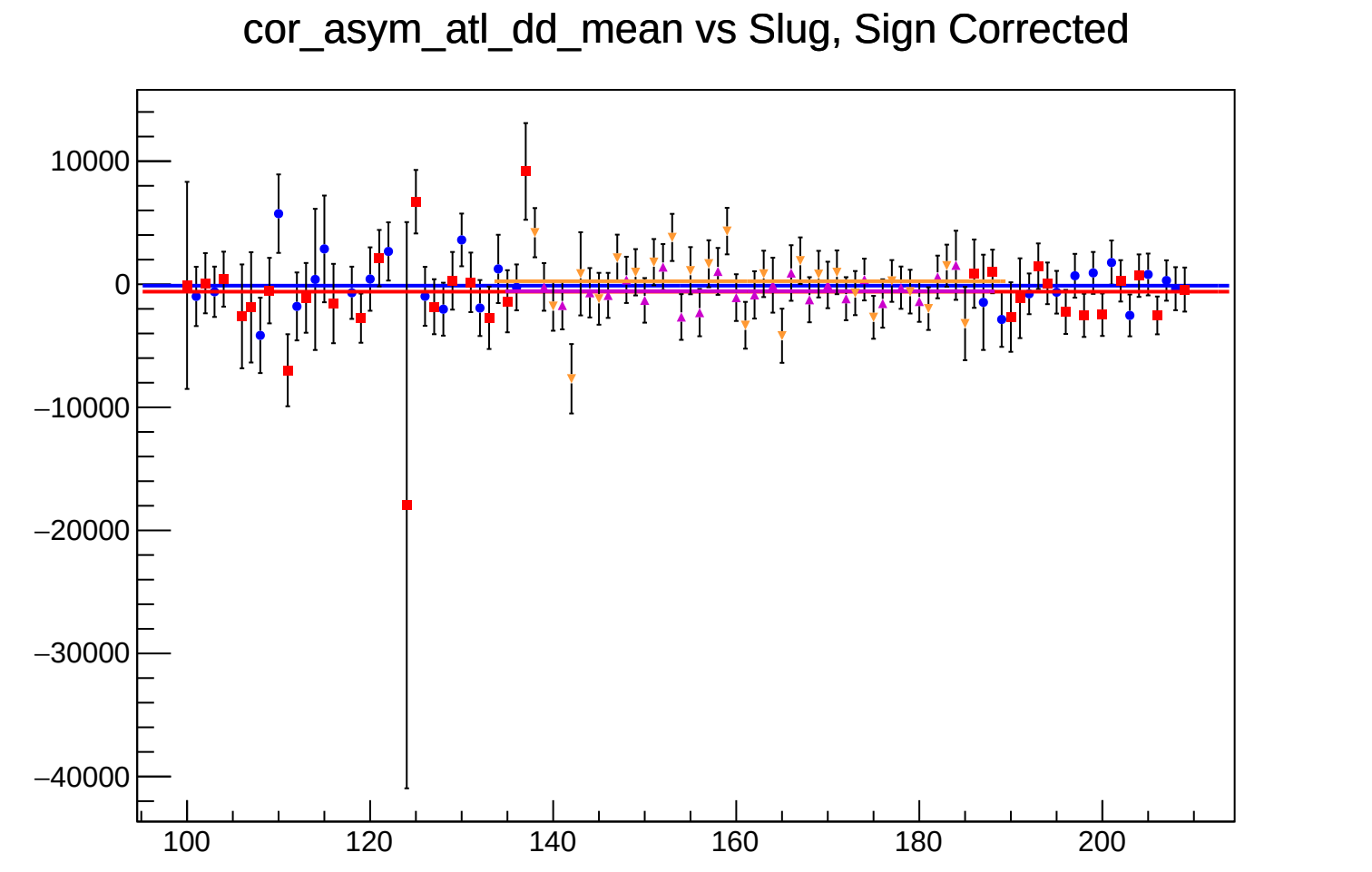
Left: 1129.637+/-0.230 χ^2/NDF: 50611957.4/47

Right: 927.371+/-0.208 χ^2/NDF: 45506106.4/58

In: 3508.566+/-0.451 χ^2/NDF:7220334.5/49

Out: 687.121+/-0.164 χ^2/NDF:54716288.1/56

All: 1018.458+/-0.154 χ^2/NDF: 96542822.9/1



Right In: -114.713+/-410.591 χ^2/NDF: 18.4/26

Left Out: 248.216+/-388.827 χ^2/NDF:39.6/24

Right Out: -603.074+/-401.650 χ^2/NDF: 32.9/31

Left In: -559.960+/-395.112 χ^2/NDF:7.5/22

Left: -149.393+/-277.138 χ^2/NDF: 49.2/47

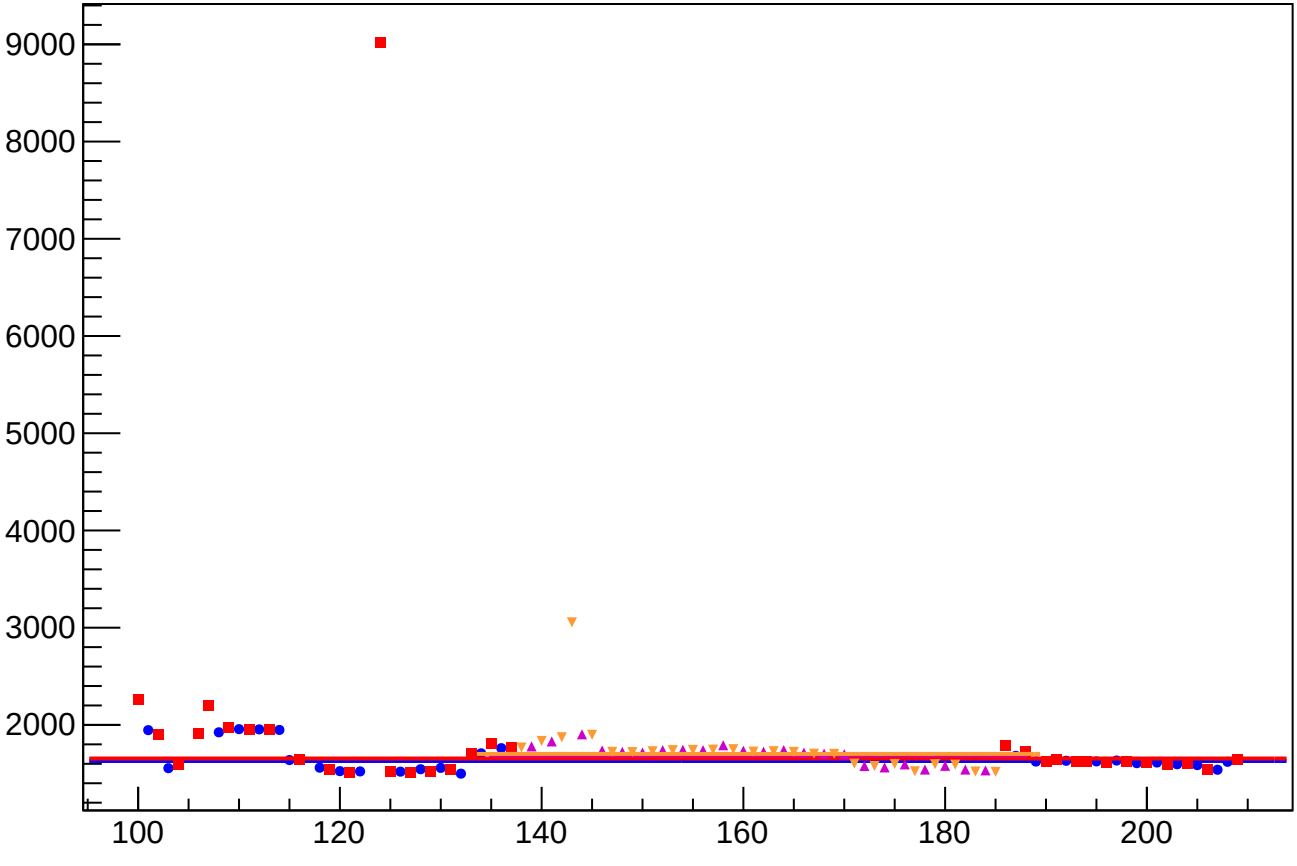
Right: -364.268+/-287.119 χ^2/NDF: 52.1/58

In: -345.888+/-284.701 χ^2/NDF:26.6/49

Out: -163.622+/-279.366 χ^2/NDF:74.8/56

All: -253.031+/-199.401 χ^2/NDF: 101.6/106

cor_asym_atl_dd_rms vs Slug, Sign Corrected



Right In: 1629.164+/-0.290 χ^2/NDF: 157127.7/26

Left Out: 1701.583+/-0.275 χ^2/NDF:452379.0/24

Right Out: 1654.276+/-0.284 χ^2/NDF: 423891.5/31

Left In: 1689.259+/-0.279 χ^2/NDF:122317.9/22

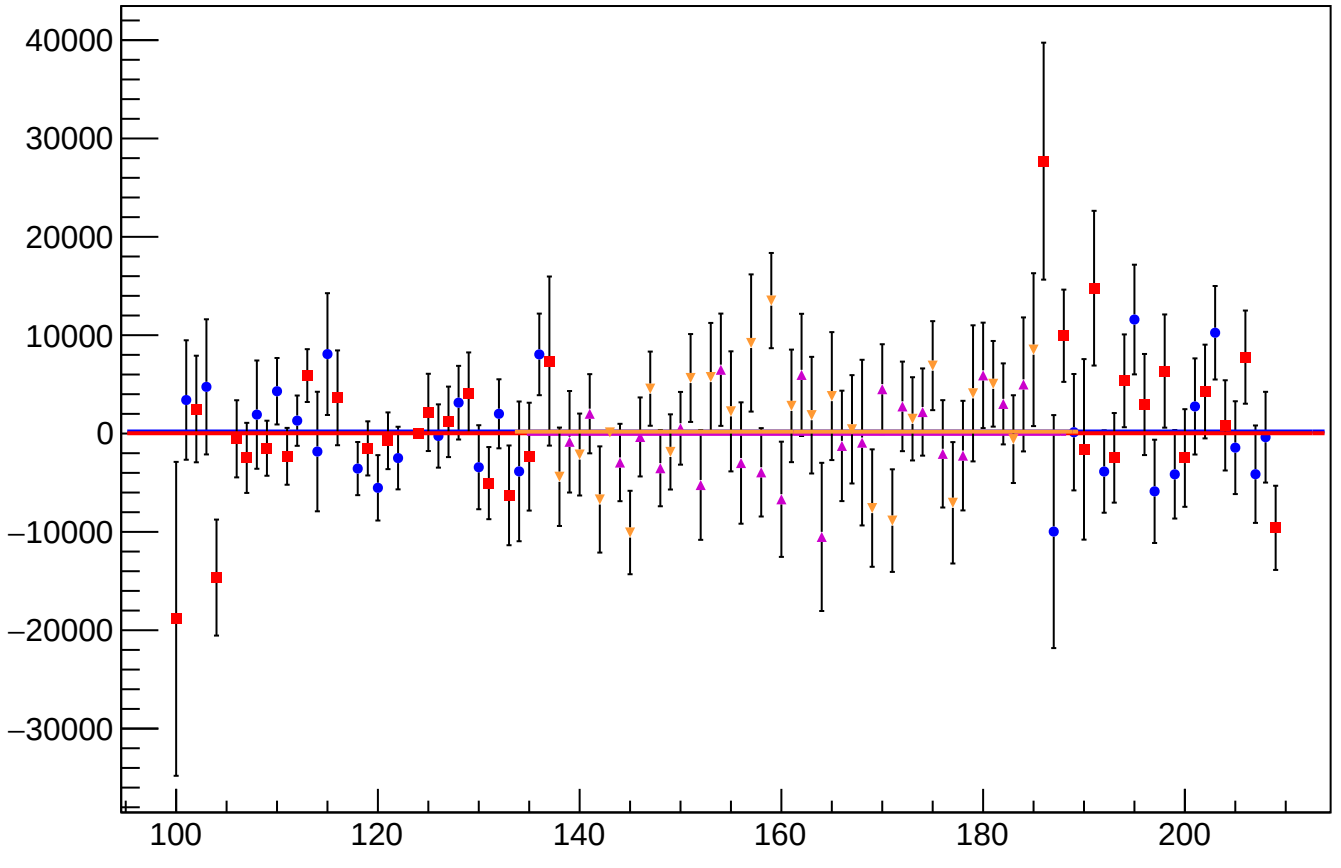
Left: 1695.520+/-0.196 χ^2/NDF: 575685.4/47

Right: 1642.017+/-0.203 χ^2/NDF: 584848.5/58

In: 1660.365+/-0.201 χ^2/NDF:301690.5/49

Out: 1678.657+/-0.197 χ^2/NDF:890617.6/56

All: 1669.692+/-0.141 χ^2/NDF: 1196517.4/10



Right In: 206.686+/-813.203 χ^2/NDF: 29.1/26

Left Out: 193.916+/-343.107 χ^2/NDF:33.9/24

Right Out: 29.706+/-308.568 χ^2/NDF: 46.0/31

Left In: -28.766+/-1025.480 χ^2/NDF:13.3/22

Left: 171.497+/-325.378 χ^2/NDF: 47.2/47

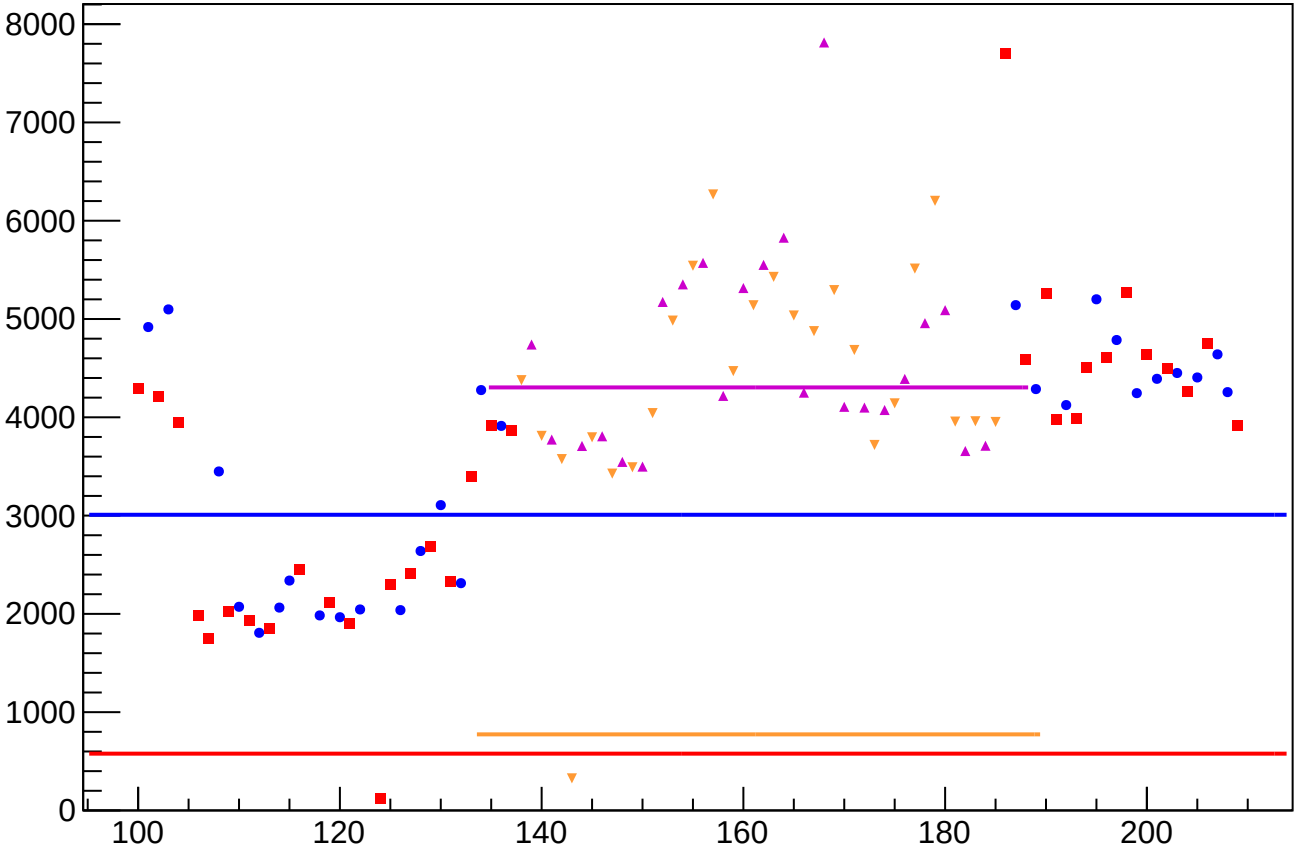
Right: 51.981+/-288.497 χ^2/NDF: 75.1/58

In: 115.785+/-637.176 χ^2/NDF:42.4/49

Out: 103.132+/-229.433 χ^2/NDF:80.0/56

All: 104.584+/-215.865 χ^2/NDF: 122.4/106

asym_atl_dd_cor_correction_rms vs Slug, Sign Corrected



Right In: 3008.286+/-0.575 χ^2/NDF: 4041632.5/26

Left Out: 774.143+/-0.243 χ^2/NDF:28086455.1/24

Right Out: 577.919+/-0.218 χ^2/NDF: 26975746.2/31

Left In: 4304.001+/-0.725 χ^2/NDF:1216572.3/22

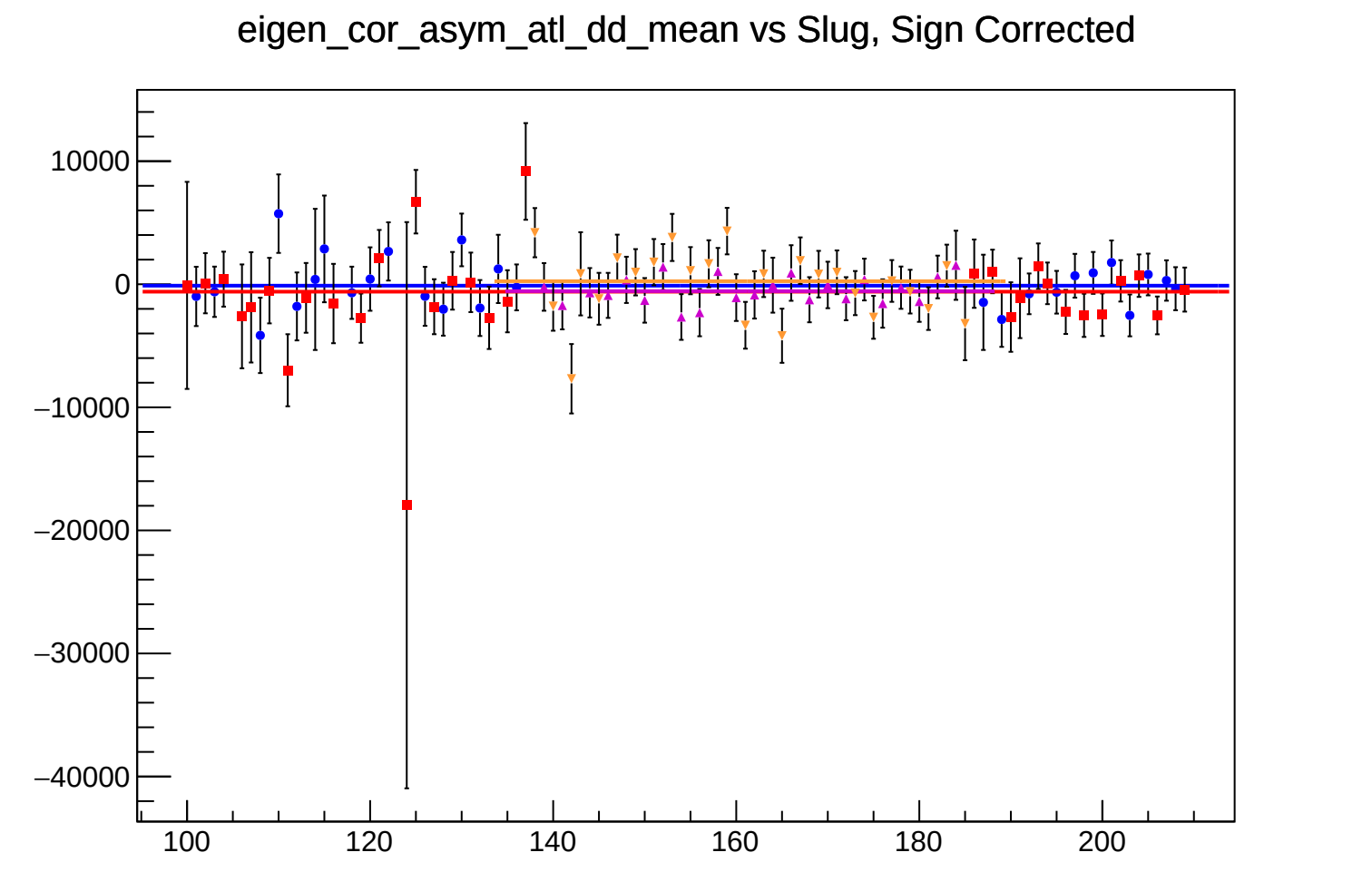
Left: 1129.512+/-0.230 χ^2/NDF: 50614177.8/47

Right: 883.802+/-0.204 χ^2/NDF: 46632923.6/58

In: 3508.521+/-0.451 χ^2/NDF:7218470.1/49

Out: 665.660+/-0.162 χ^2/NDF:55423849.5/56

All: 991.948+/-0.153 χ^2/NDF: 97885630.9/10



Right In: -114.713+/-410.591 χ^2/NDF: 18.4/26

Left Out: 248.216+/-388.827 χ^2/NDF:39.6/24

Right Out: -603.074+/-401.650 χ^2/NDF: 32.9/31

Left In: -559.960+/-395.112 χ^2/NDF:7.5/22

Left: -149.393+/-277.138 χ^2/NDF: 49.2/47

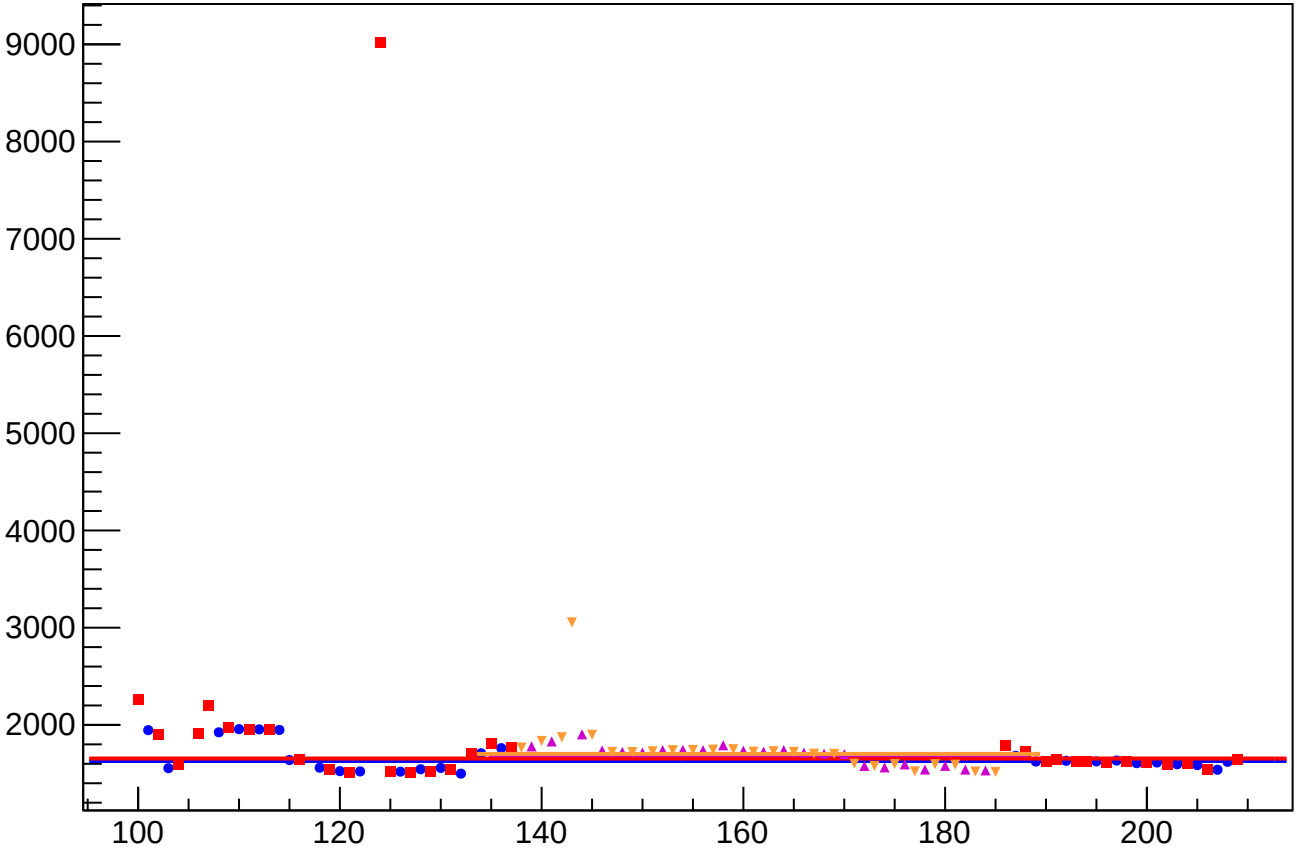
Right: -364.268+/-287.119 χ^2/NDF: 52.1/58

In: -345.888+/-284.701 χ^2/NDF:26.6/49

Out: -163.622+/-279.366 χ^2/NDF:74.8/56

All: -253.031+/-199.401 χ^2/NDF: 101.6/106

eigen_cor_asym_atl_dd_rms vs Slug, Sign Corrected



Right In: 1629.164+/-0.290 χ^2/NDF: 157127.7/26

Left Out: 1701.583+/-0.275 χ^2/NDF:452379.0/24

Right Out: 1654.276+/-0.284 χ^2/NDF: 423891.5/31

Left In: 1689.259+/-0.279 χ^2/NDF:122317.9/22

Left: 1695.520+/-0.196 χ^2/NDF: 575685.4/47

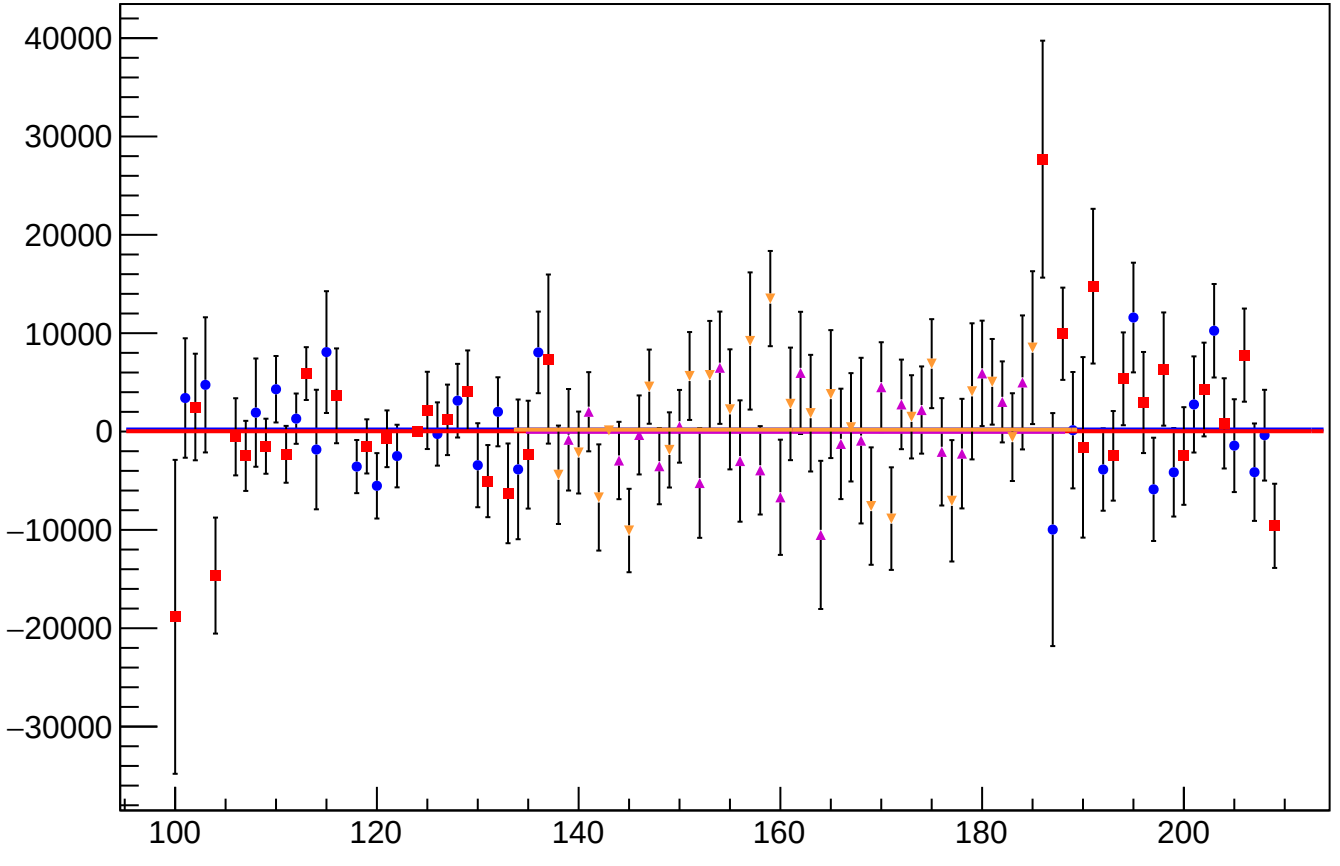
Right: 1642.017+/-0.203 χ^2/NDF: 584848.5/58

In: 1660.365+/-0.201 χ^2/NDF:301690.5/49

Out: 1678.657+/-0.197 χ^2/NDF:890617.6/56

All: 1669.692+/-0.141 χ^2/NDF: 1196517.4/10

asym_atl_dd_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: 206.686+/-813.203 χ^2/NDF: 29.1/26

Left Out: 193.916+/-343.107 χ^2/NDF:33.9/24

Right Out: 29.706+/-308.568 χ^2/NDF: 46.0/31

Left In: -28.766+/-1025.480 χ^2/NDF:13.3/22

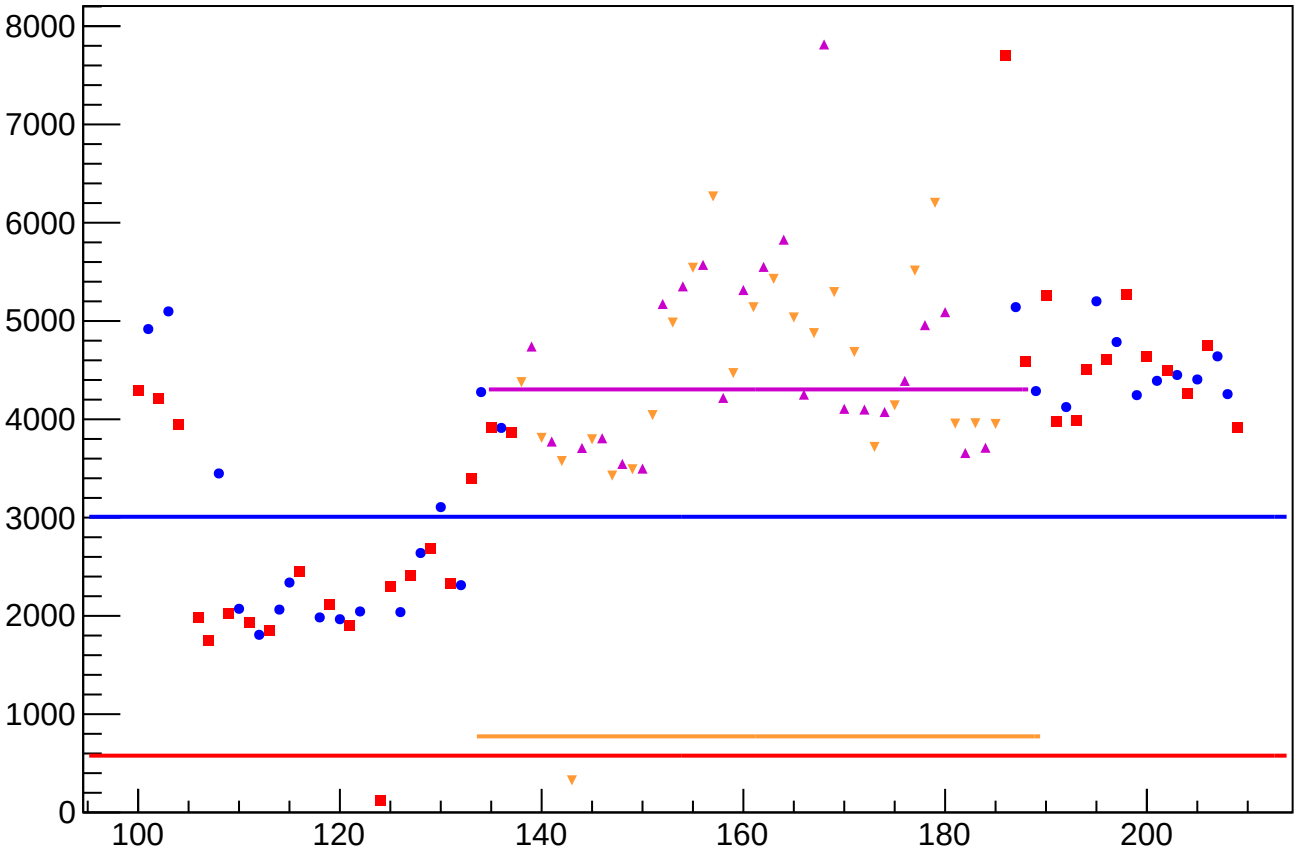
Left: 171.497+/-325.378 χ^2/NDF: 47.2/47

Right: 51.981+/-288.497 χ^2/NDF: 75.1/58

In: 115.785+/-637.176 χ^2/NDF:42.4/49

Out: 103.132+/-229.433 χ^2/NDF:80.0/56

All: 104.584+/-215.865 χ^2/NDF: 122.4/106



Right In: 3008.286+/-0.575 χ^2/NDF: 4041632.5/26

Left Out: 774.143+/-0.243 χ^2/NDF:28086455.1/24

Right Out: 577.919+/-0.218 χ^2/NDF: 26975746.2/31

Left In: 4304.001+/-0.725 χ^2/NDF:1216572.3/22

Left: 1129.512+/-0.230 χ^2/NDF: 50614177.8/47

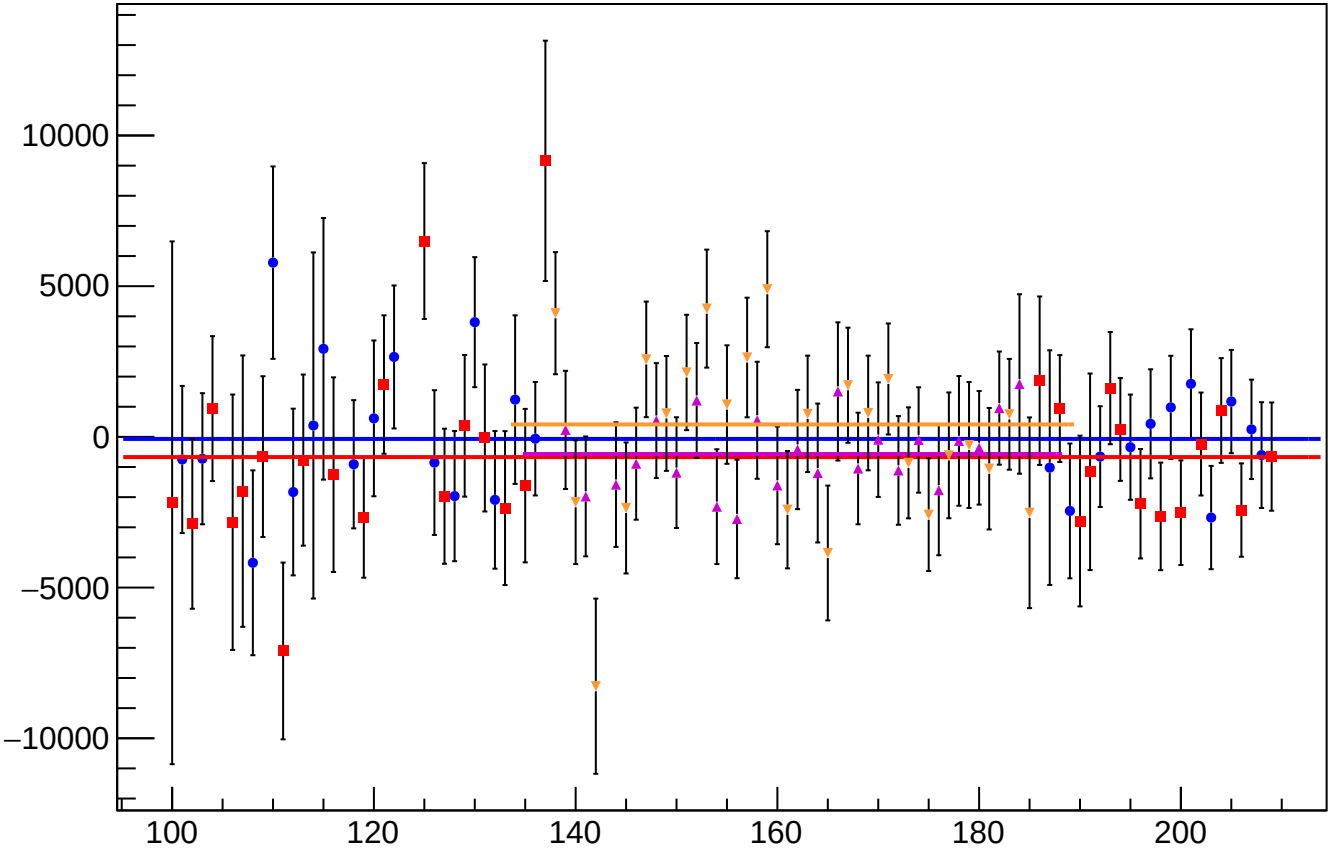
Right: 883.802+/-0.204 χ^2/NDF: 46632923.6/58

In: 3508.521+/-0.451 χ^2/NDF:7218470.1/49

Out: 665.660+/-0.162 χ^2/NDF:55423849.5/56

All: 991.948+/-0.153 χ^2/NDF: 97885630.9/10

dit_asym_atl_dd_mean vs Slug, Sign Corrected



Right In: -67.726+/-414.236 χ^2/NDF: 18.6/26

Left Out: 413.309+/-410.536 χ^2/NDF:40.0/23

Right Out: -670.264+/-406.599 χ^2/NDF: 32.5/30

Left In: -568.823+/-412.052 χ^2/NDF:7.7/22

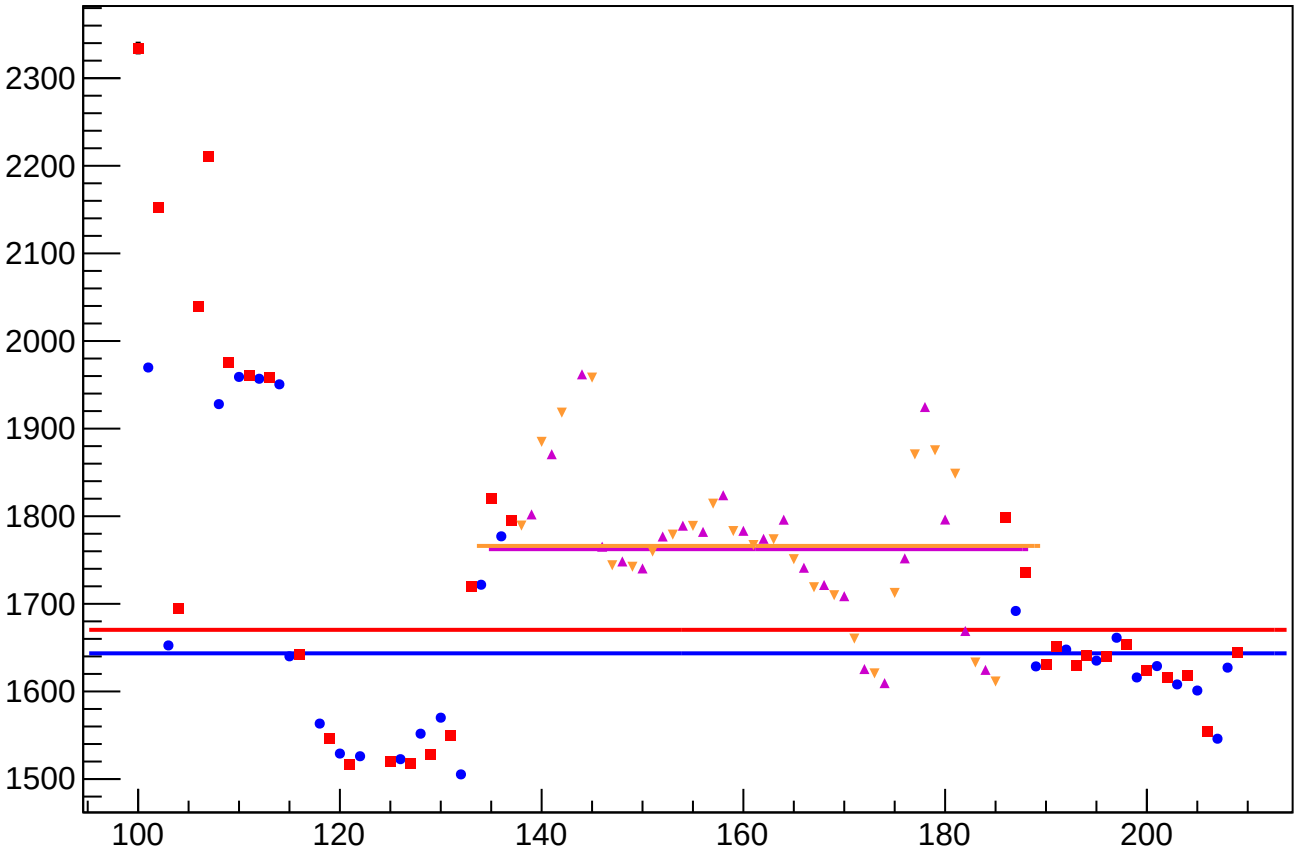
Left: -75.946+/-290.827 χ^2/NDF: 50.6/46

Right: -374.600+/-290.171 χ^2/NDF: 52.3/57

In: -319.599+/-292.134 χ^2/NDF:27.1/49

Out: -133.697+/-288.891 χ^2/NDF:76.1/54

All: -225.610+/-205.414 χ^2/NDF: 103.4/104



Right In: 1643.506+/-0.293 χ^2/NDF: 156074.9/26

Left Out: 1766.115+/-0.290 χ^2/NDF:83252.4/23

Right Out: 1670.322+/-0.287 χ^2/NDF: 265112.7/30

Left In: 1762.405+/-0.291 χ^2/NDF:80090.6/22

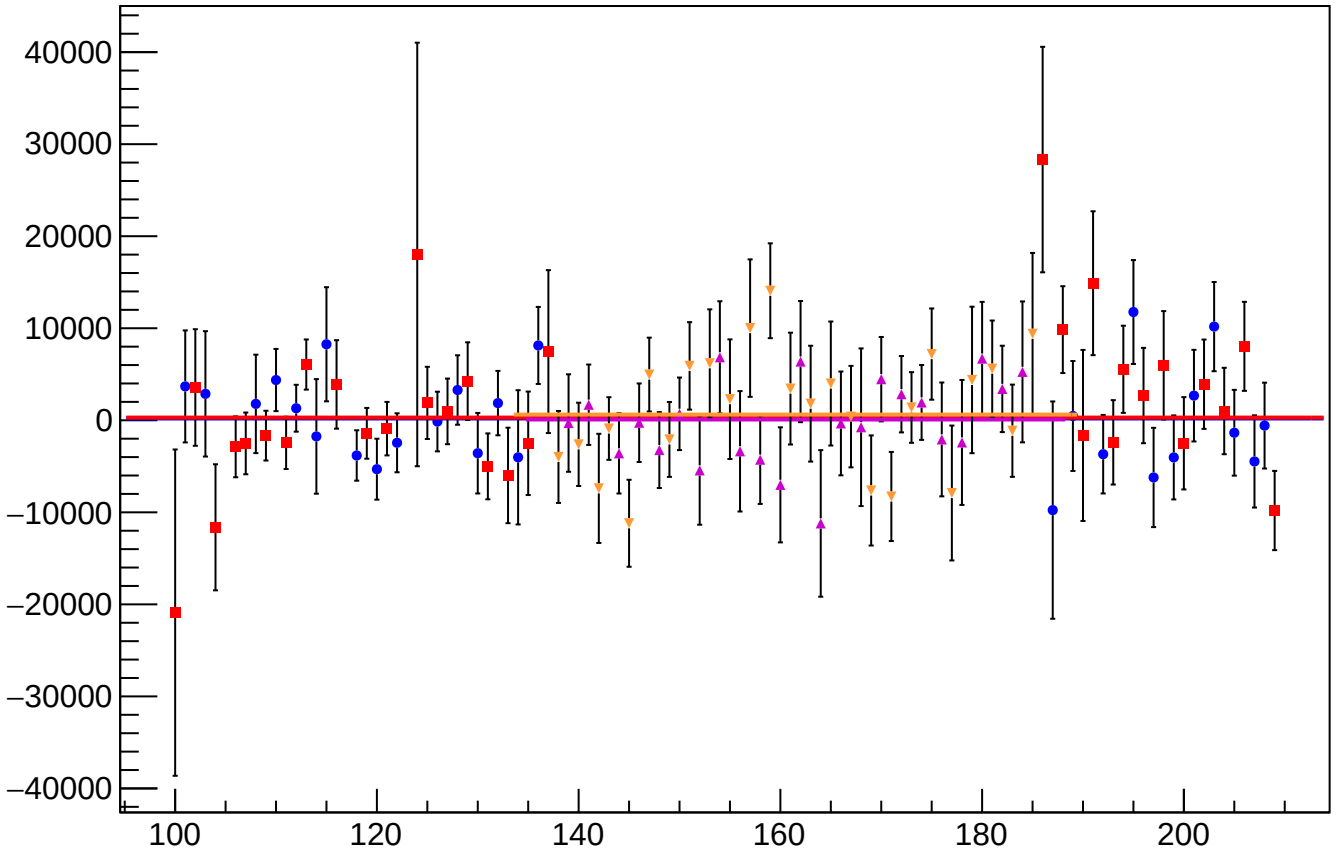
Left: 1764.267+/-0.206 χ^2/NDF: 163424.4/46

Right: 1657.176+/-0.205 χ^2/NDF: 425460.2/57

In: 1703.270+/-0.207 χ^2/NDF:318988.7/49

Out: 1717.713+/-0.204 χ^2/NDF:403385.6/54

All: 1710.575+/-0.145 χ^2/NDF: 724847.0/104



Right In: 198.079+/-818.323 χ^2/NDF: 28.8/26

Left Out: 619.658+/-1034.658 χ^2/NDF:33.1/24

Right Out: 292.491+/-757.669 χ^2/NDF: 44.2/31

Left In: 85.511+/-1082.508 χ^2/NDF:12.9/22

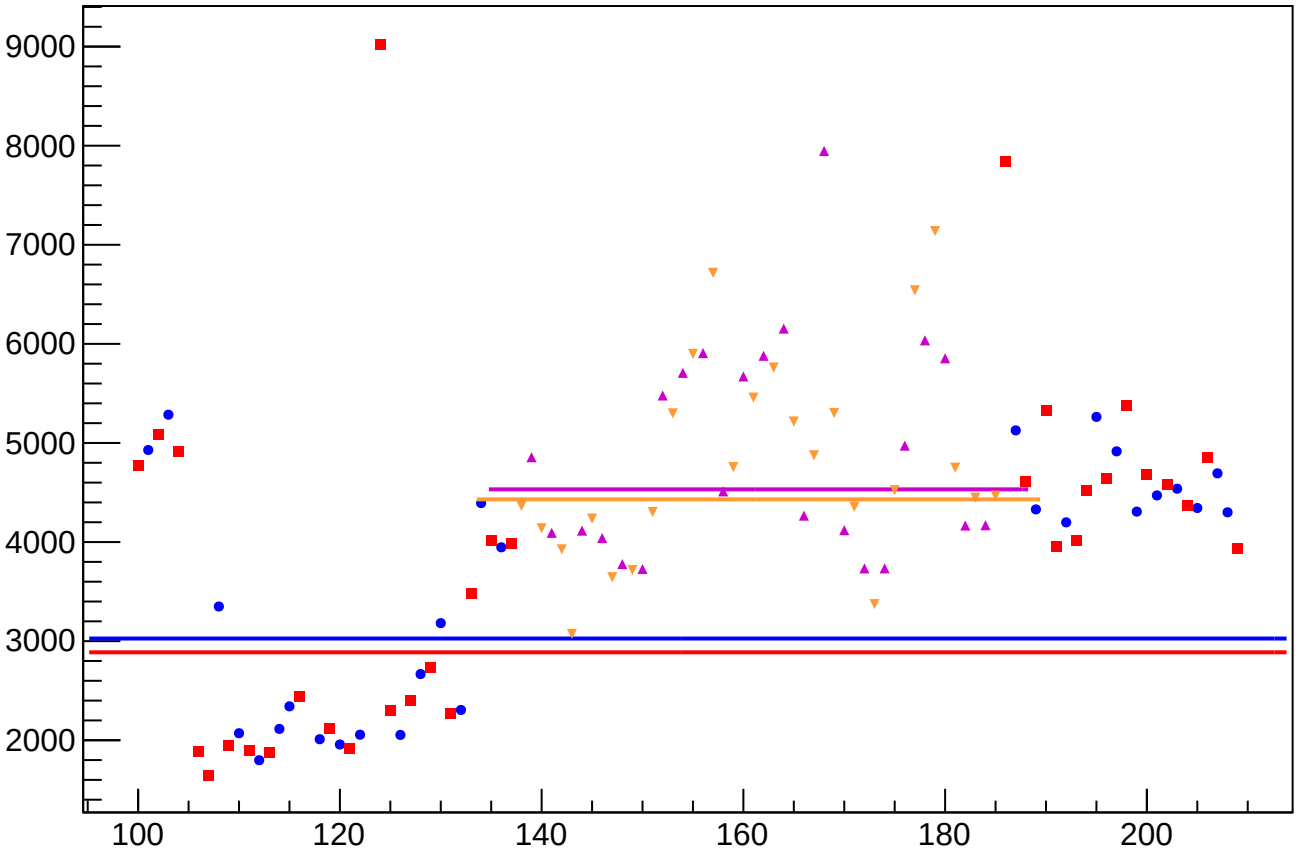
Left: 364.651+/-747.958 χ^2/NDF: 46.1/47

Right: 248.913+/-555.960 χ^2/NDF: 73.0/58

In: 157.144+/-652.789 χ^2/NDF:41.7/49

Out: 406.693+/-611.292 χ^2/NDF:77.3/56

All: 290.102+/-446.198 χ^2/NDF: 119.1/106



Right In: 3026.488+/-0.579 χ^2/NDF: 4155367.4/26

Left Out: 4430.796+/-0.732 χ^2/NDF:1613272.4/24

Right Out: 2887.530+/-0.536 χ^2/NDF: 5339842.0/31

Left In: 4531.944+/-0.765 χ^2/NDF:1376472.2/22

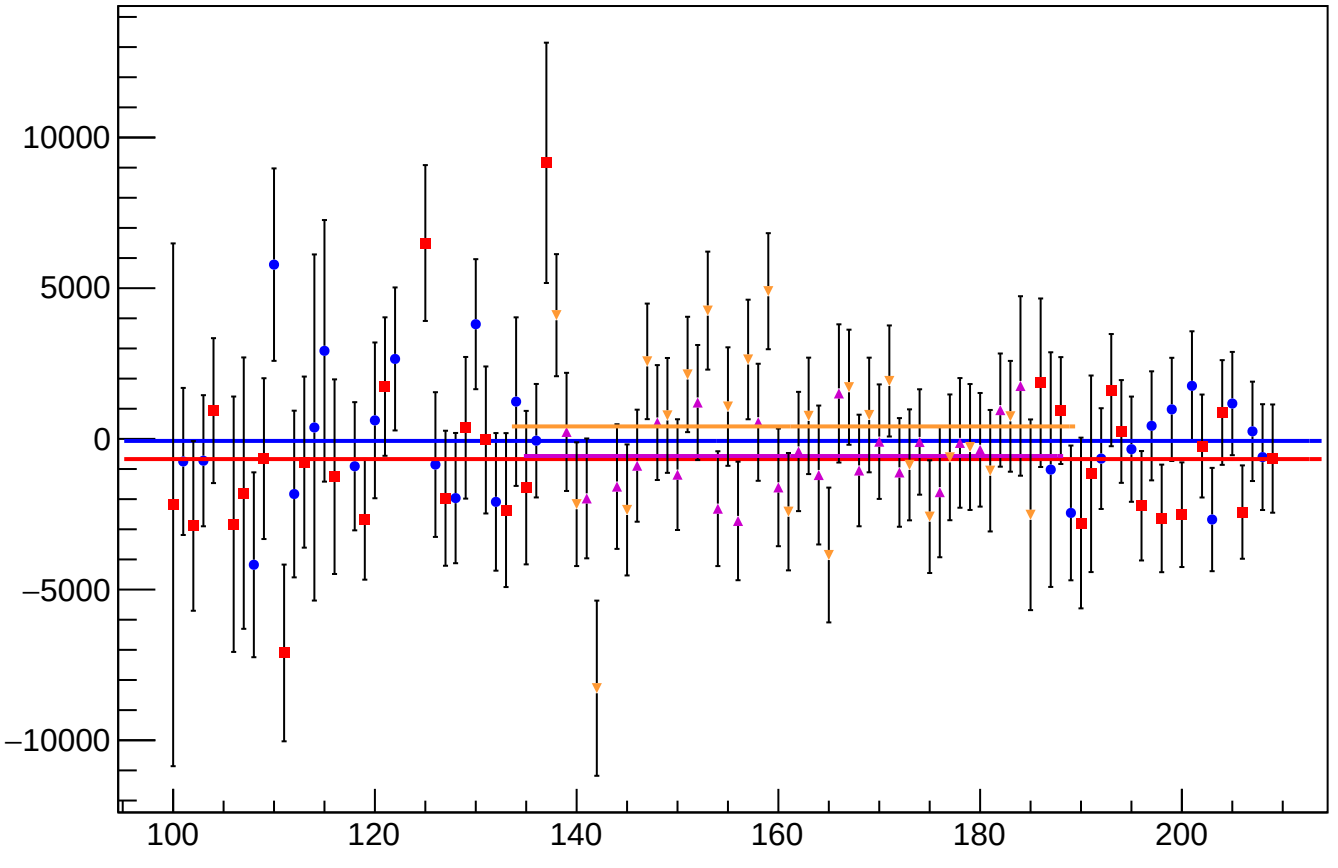
Left: 4479.085+/-0.529 χ^2/NDF: 2998869.7/47

Right: 2951.669+/-0.393 χ^2/NDF: 9526260.6/58

In: 3573.947+/-0.462 χ^2/NDF:7993340.1/49

Out: 3426.228+/-0.432 χ^2/NDF:9849504.3/56

All: 3495.243+/-0.316 χ^2/NDF: 17897409.5/1



Right In: -67.728+/-414.236 χ^2/NDF: 18.6/26

Left Out: 413.311+/-410.536 χ^2/NDF:40.0/23

Right Out: -670.262+/-406.599 χ^2/NDF: 32.5/30

Left In: -568.821+/-412.052 χ^2/NDF:7.7/22

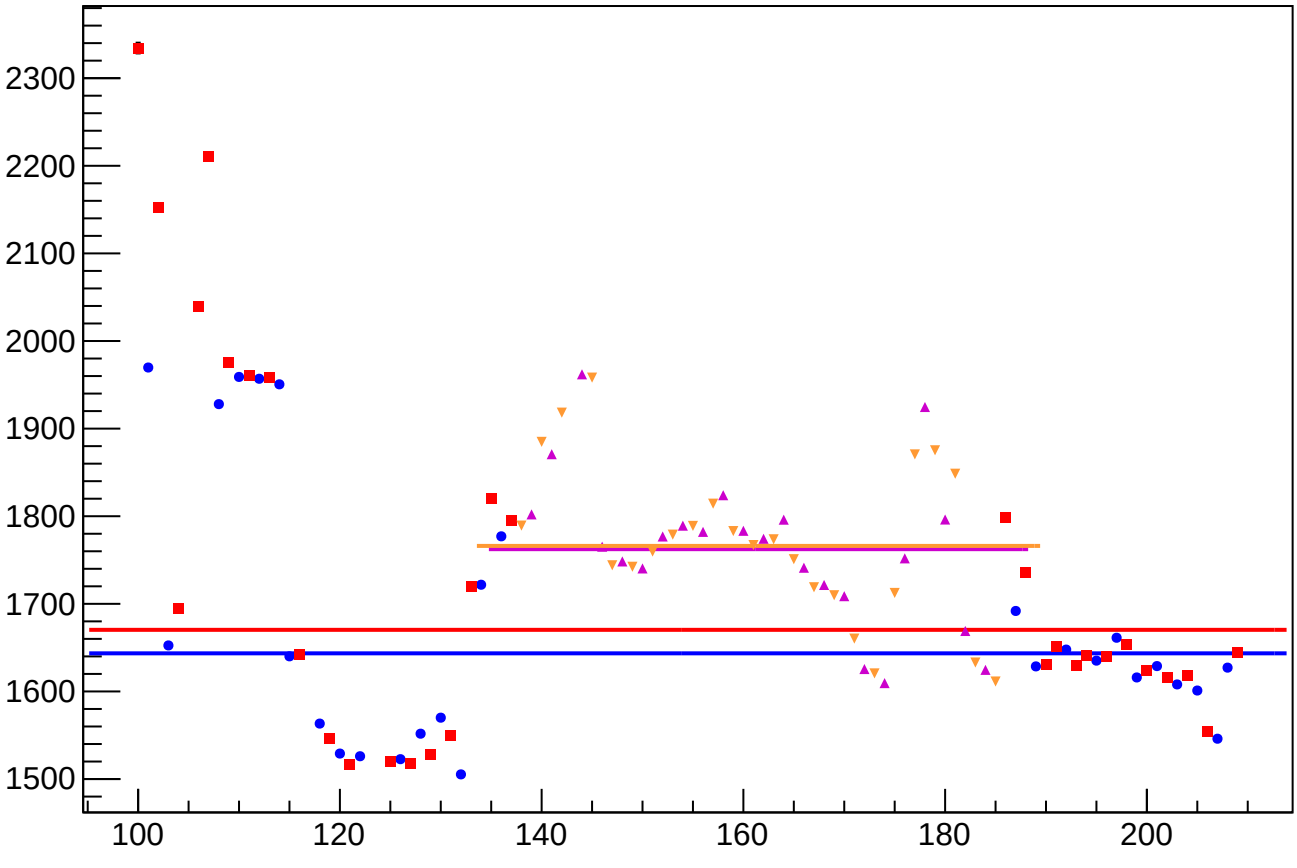
Left: -75.945+/-290.827 χ^2/NDF: 50.6/46

Right: -374.601+/-290.171 χ^2/NDF: 52.3/57

In: -319.599+/-292.134 χ^2/NDF:27.1/49

Out: -133.696+/-288.891 χ^2/NDF:76.1/54

All: -225.610+/-205.414 χ^2/NDF: 103.4/104



Right In: 1643.506+/-0.293 χ^2/NDF: 156074.8/26

Left Out: 1766.116+/-0.290 χ^2/NDF:83255.3/23

Right Out: 1670.322+/-0.287 χ^2/NDF: 265111.4/30

Left In: 1762.406+/-0.291 χ^2/NDF:80093.2/22

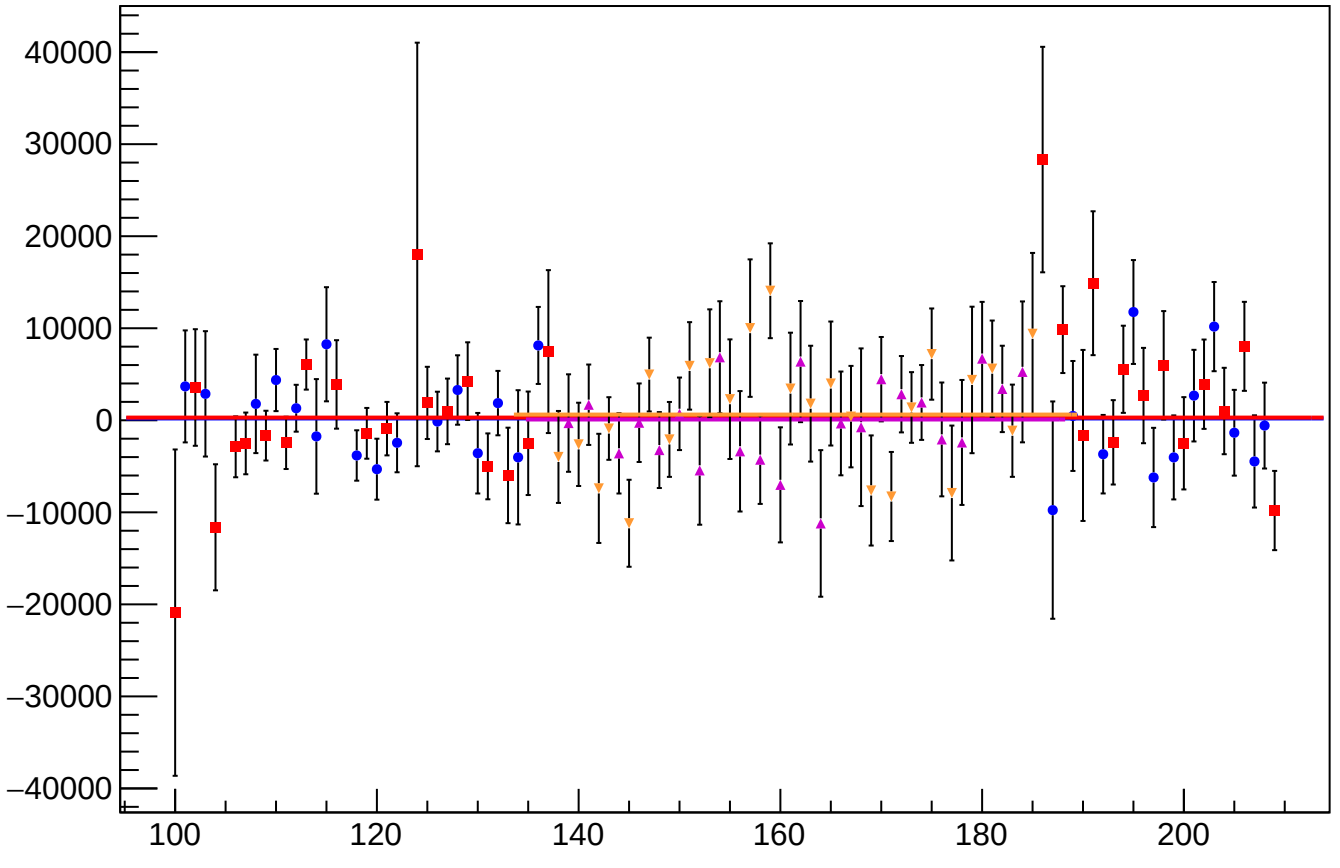
Left: 1764.268+/-0.206 χ^2/NDF: 163429.9/46

Right: 1657.176+/-0.205 χ^2/NDF: 425458.9/57

In: 1703.271+/-0.207 χ^2/NDF:318992.6/49

Out: 1717.714+/-0.204 χ^2/NDF:403388.2/54

All: 1710.576+/-0.145 χ^2/NDF: 724853.5/104



Right In: 198.074+/-818.321 χ^2/NDF: 28.8/26

Left Out: 619.663+/-1034.659 χ^2/NDF:33.1/24

Right Out: 292.484+/-757.668 χ^2/NDF: 44.2/31

Left In: 85.511+/-1082.509 χ^2/NDF:12.9/22

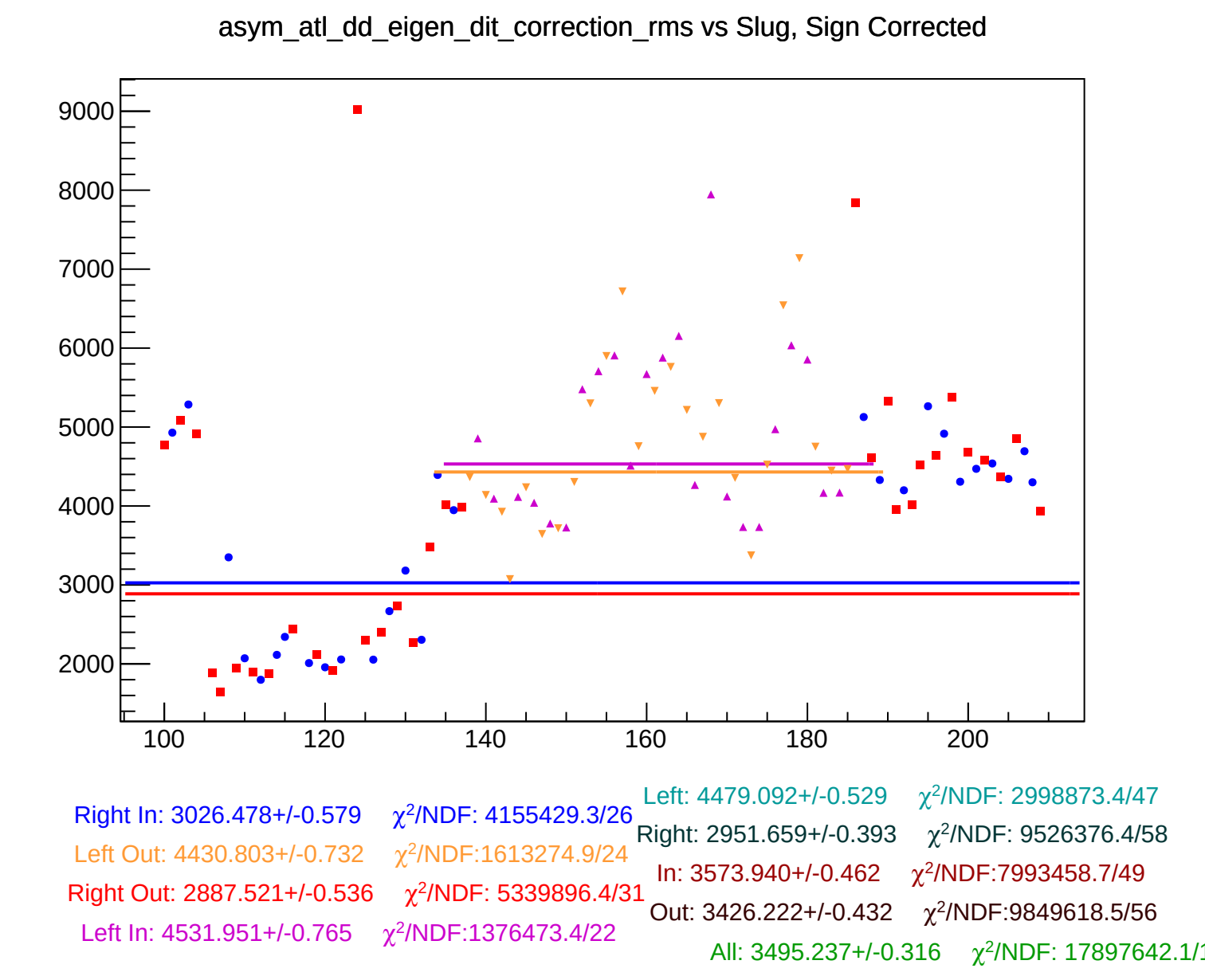
Left: 364.653+/-747.959 χ^2/NDF: 46.1/47

Right: 248.907+/-555.959 χ^2/NDF: 73.0/58

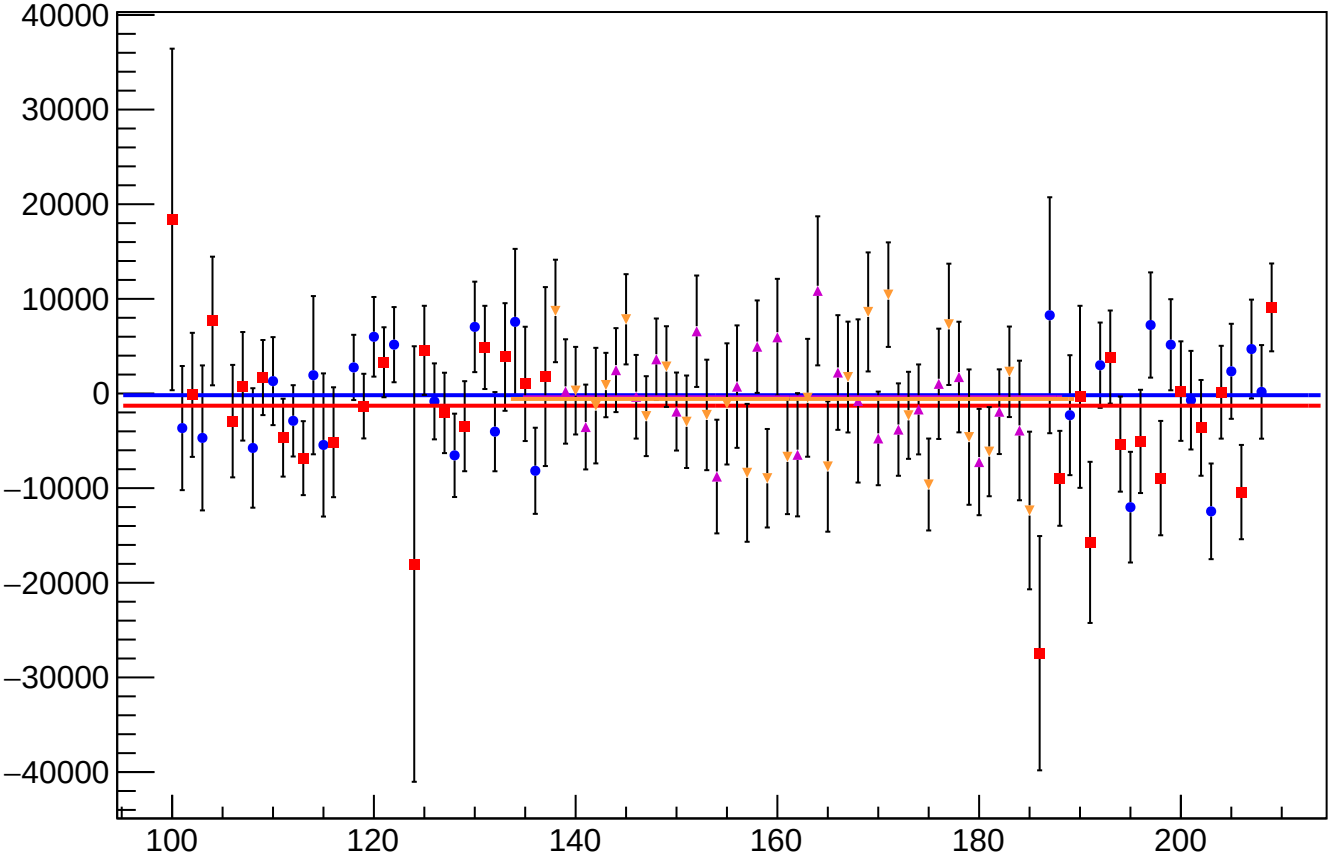
In: 157.141+/-652.788 χ^2/NDF:41.7/49

Out: 406.690+/-611.292 χ^2/NDF:77.3/56

All: 290.099+/-446.198 χ^2/NDF: 119.1/106


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
Right In: 3026.478+/-0.579 χ²/NDF: 4155429.3/26
Left Out: 4430.803+/-0.732 χ²/NDF:1613274.9/24
Right Out: 2887.521+/-0.536 χ²/NDF: 5339896.4/31
Left In: 4531.951+/-0.765 χ²/NDF:1376473.4/22
Left: 4479.092+/-0.529 χ²/NDF: 2998873.4/47
Right: 2951.659+/-0.393 χ²/NDF: 9526376.4/58
In: 3573.940+/-0.462 χ²/NDF:7993458.7/49
Out: 3426.222+/-0.432 χ²/NDF:9849618.5/56
All: 3495.237+/-0.316 χ²/NDF: 17897642.1/1

asym_atl_dd_mean vs Slug, Sign Corrected



Right In: -179.064+/-963.964 χ^2/NDF: 31.8/26

Left Out: -573.122+/-1054.836 χ^2/NDF:28.8/24

Right Out: -1289.400+/-925.439 χ^2/NDF: 36.0/31

Left In: -398.404+/-1109.490 χ^2/NDF:14.0/22

Left: -490.172+/-764.473 χ^2/NDF: 42.8/47

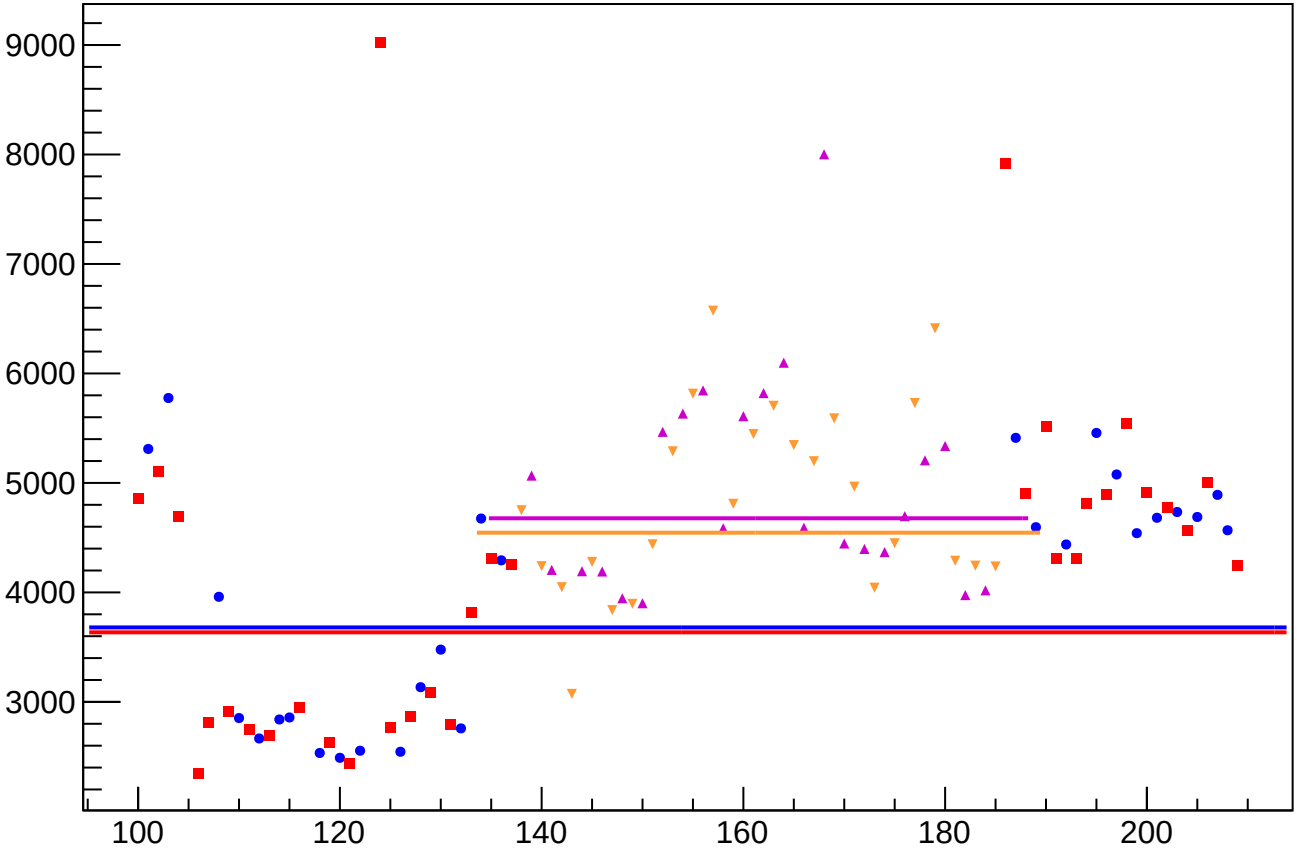
Right: -756.862+/-667.588 χ^2/NDF: 68.5/58

In: -273.415+/-727.675 χ^2/NDF:45.8/49

Out: -977.865+/-695.660 χ^2/NDF:65.0/56

All: -641.477+/-502.843 χ^2/NDF: 111.3/106

asym_atl_dd_rms vs Slug, Sign Corrected



Right In: 3680.066+/-0.682 χ^2/NDF: 2358392.3/26

Left Out: 4545.493+/-0.746 χ^2/NDF:1258528.5/24

Right Out: 3635.300+/-0.649 χ^2/NDF: 2814875.5/31

Left In: 4677.049+/-0.785 χ^2/NDF:959885.7/22

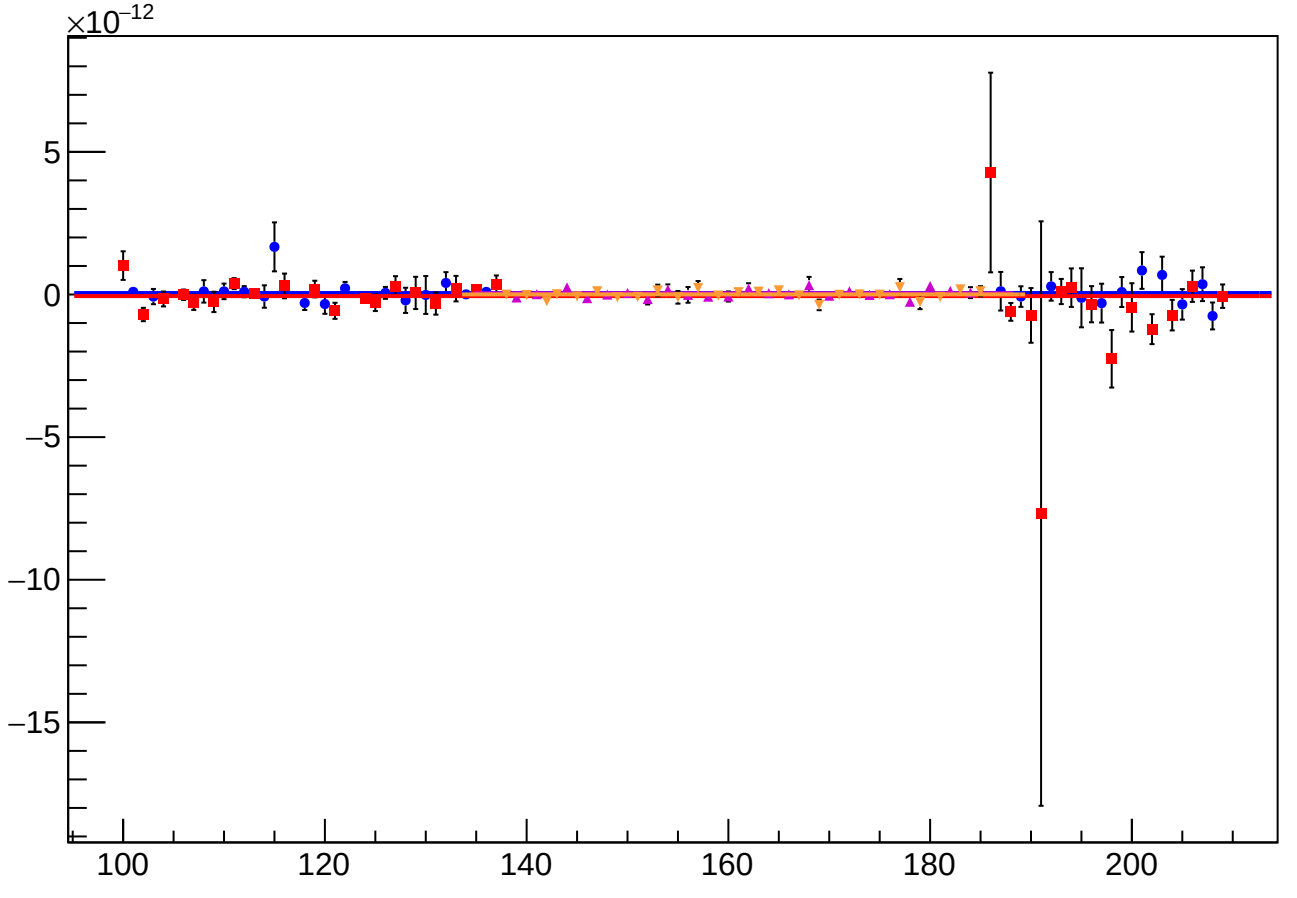
Left: 4607.951+/-0.541 χ^2/NDF: 2233183.6/47

Right: 3656.574+/-0.470 χ^2/NDF: 5175531.2/58

In: 4108.926+/-0.515 χ^2/NDF:4238544.1/49

Out: 4027.248+/-0.489 χ^2/NDF:4921271.7/56

All: 4066.048+/-0.355 χ^2/NDF: 9173043.9/10



Right In: 0.000+/-0.000 χ^2/NDF: 16.2/26

Left Out: 0.000+/-0.000 χ^2/NDF:18.2/24

Right Out: -0.000+/-0.000 χ^2/NDF: 48.7/31

Left In: 0.000+/-0.000 χ^2/NDF:20.6/22

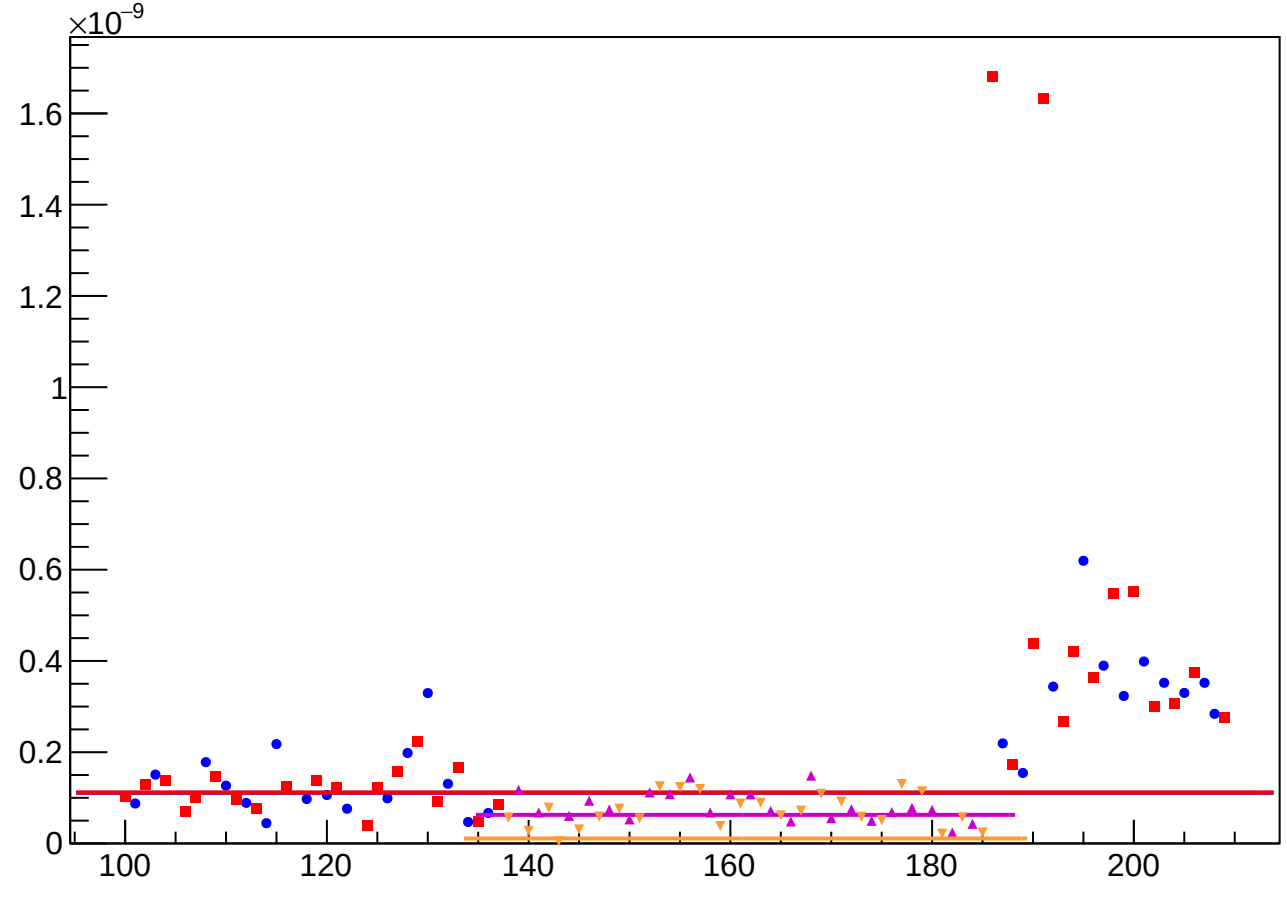
Left: 0.000+/-0.000 χ^2/NDF: 40.9/47

Right: -0.000+/-0.000 χ^2/NDF: 66.9/58

In: 0.000+/-0.000 χ^2/NDF:36.8/49

Out: 0.000+/-0.000 χ^2/NDF:68.1/56

All: 0.000+/-0.000 χ^2/NDF: 107.9/106



Right In: 0.000+/-0.000 χ^2/NDF: 4523057.0/26

Left Out: 0.000+/-0.000 χ^2/NDF:9705530.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 5327186.2/31

Left In: 0.000+/-0.000 χ^2/NDF:2092071.7/22

Left: 0.000+/-0.000 χ^2/NDF: 18964164.6/47

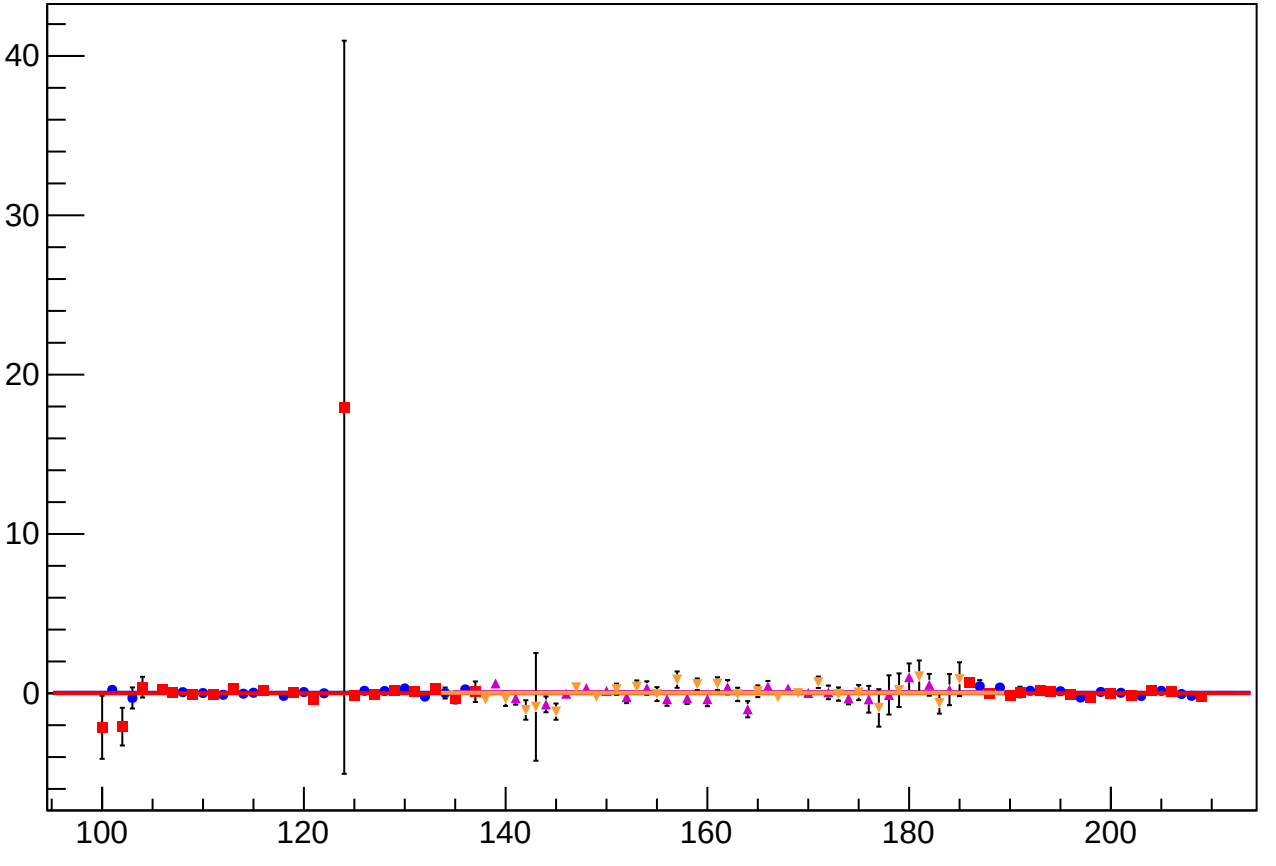
Right: 0.000+/-0.000 χ^2/NDF: 9850345.4/58

In: 0.000+/-0.000 χ^2/NDF:7944168.9/49

Out: 0.000+/-0.000 χ^2/NDF:22198853.9/56

All: 0.000+/-0.000 χ^2/NDF: 41289967.3/106

asym_atl_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.038+/-0.035 χ^2/NDF: 19.5/26

Left Out: 0.036+/-0.077 χ^2/NDF:29.7/24

Right Out: 0.007+/-0.032 χ^2/NDF: 35.2/31

Left In: 0.078+/-0.076 χ^2/NDF:24.1/22

Left: 0.057+/-0.054 χ^2/NDF: 53.9/47

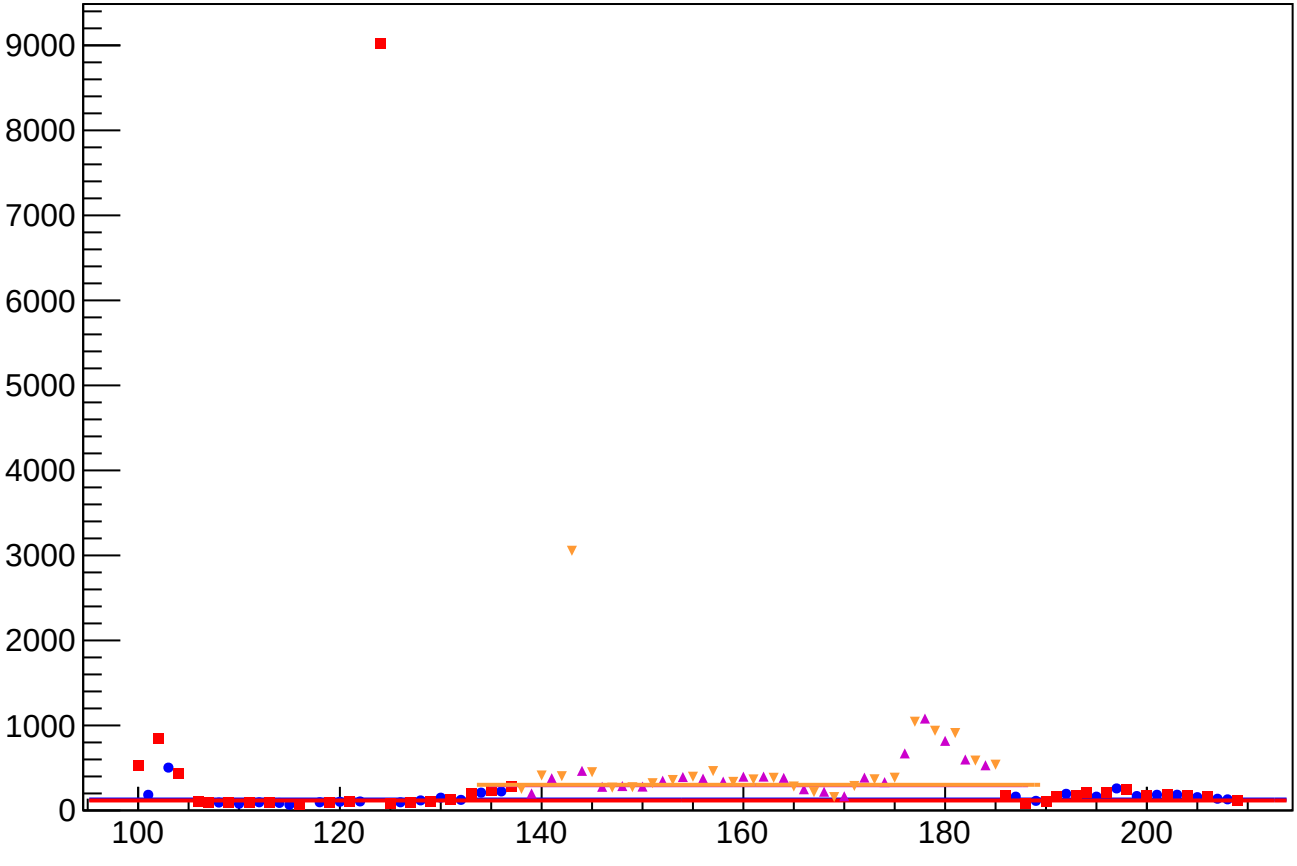
Right: 0.021+/-0.024 χ^2/NDF: 55.1/58

In: 0.045+/-0.032 χ^2/NDF:43.8/49

Out: 0.011+/-0.030 χ^2/NDF:65.0/56

All: 0.027+/-0.022 χ^2/NDF: 109.4/106

asym_atl_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 128.697+/-0.025 χ^2/NDF: 3446869.4/26

Left Out: 301.735+/-0.054 χ^2/NDF:6693517.2/24

Right Out: 117.415+/-0.023 χ^2/NDF: 5411293.0/31

Left In: 296.875+/-0.054 χ^2/NDF:4917907.0/22

Left: 299.267+/-0.038 χ^2/NDF: 11615477.5/47

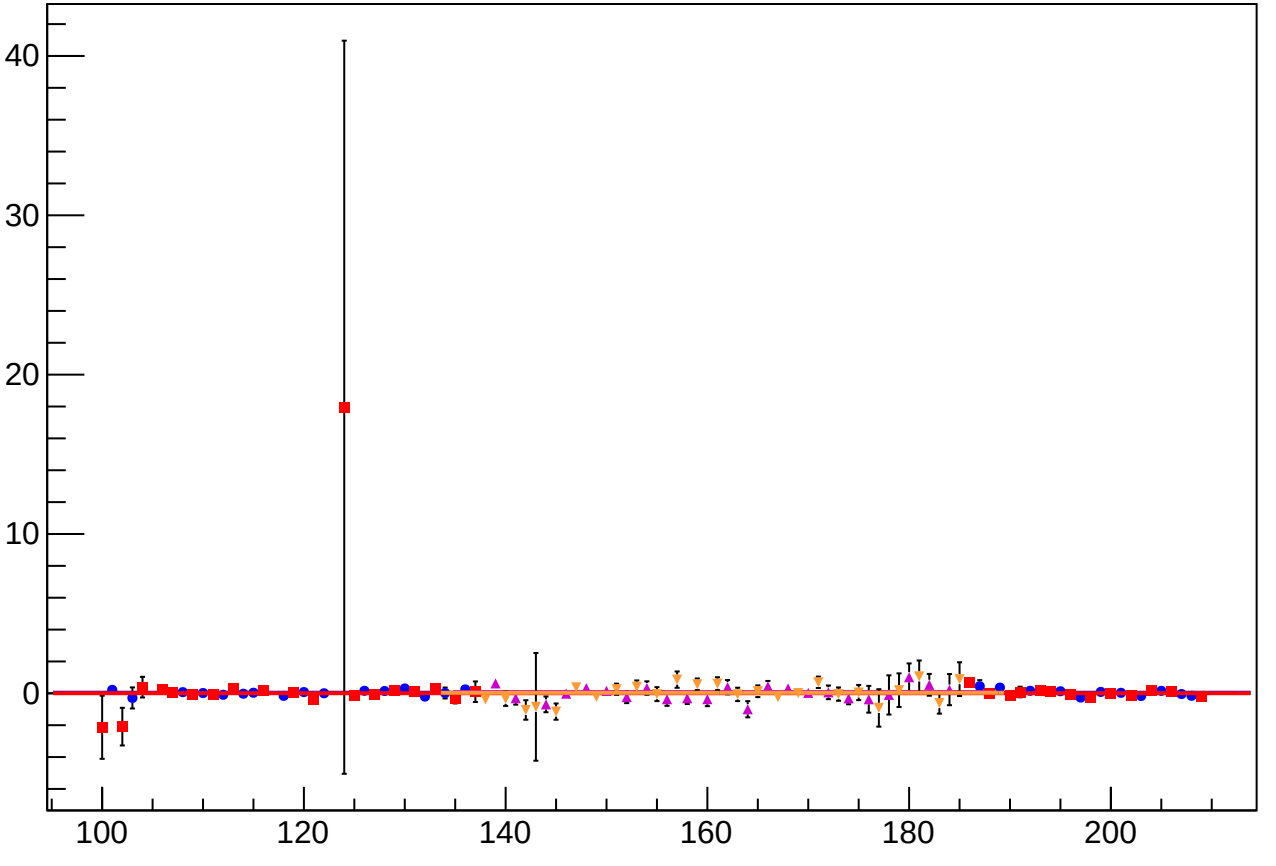
Right: 122.515+/-0.017 χ^2/NDF: 8970301.0/58

In: 158.666+/-0.023 χ^2/NDF:16468905.3/49

Out: 144.654+/-0.021 χ^2/NDF:21888582.7/56

All: 151.115+/-0.015 χ^2/NDF: 38564488.5/10

asym_atl_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.038+/-0.035 χ^2/NDF: 19.5/26

Left Out: 0.036+/-0.077 χ^2/NDF:29.7/24

Right Out: 0.007+/-0.032 χ^2/NDF: 35.2/31

Left In: 0.078+/-0.076 χ^2/NDF:24.1/22

Left: 0.057+/-0.054 χ^2/NDF: 53.9/47

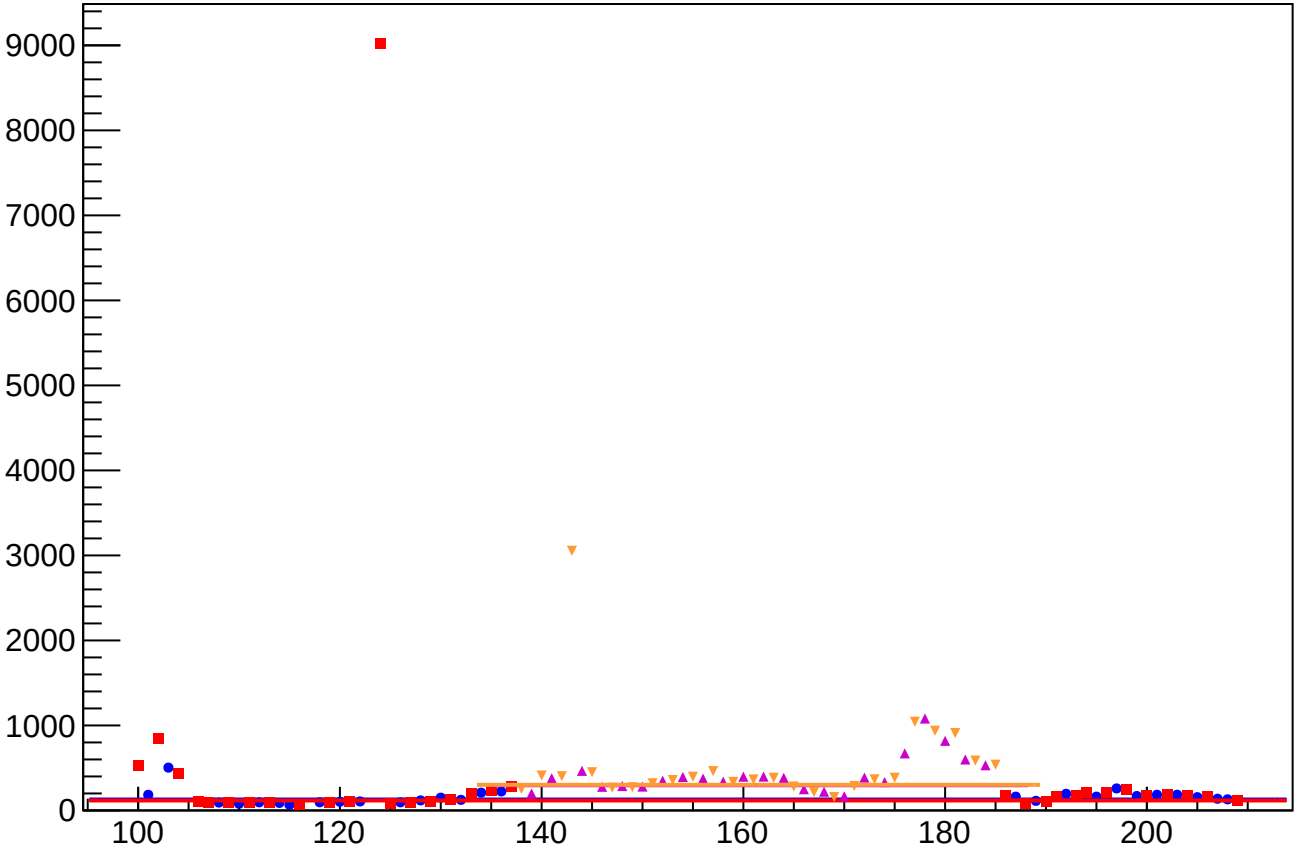
Right: 0.021+/-0.024 χ^2/NDF: 55.1/58

In: 0.045+/-0.032 χ^2/NDF:43.8/49

Out: 0.011+/-0.030 χ^2/NDF:65.0/56

All: 0.027+/-0.022 χ^2/NDF: 109.4/106

asym_atl_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 128.697+/-0.025 χ^2/NDF: 3446869.4/26

Left Out: 301.735+/-0.054 χ^2/NDF:6693517.2/24

Right Out: 117.415+/-0.023 χ^2/NDF: 5411293.0/31

Left In: 296.875+/-0.054 χ^2/NDF:4917907.0/22

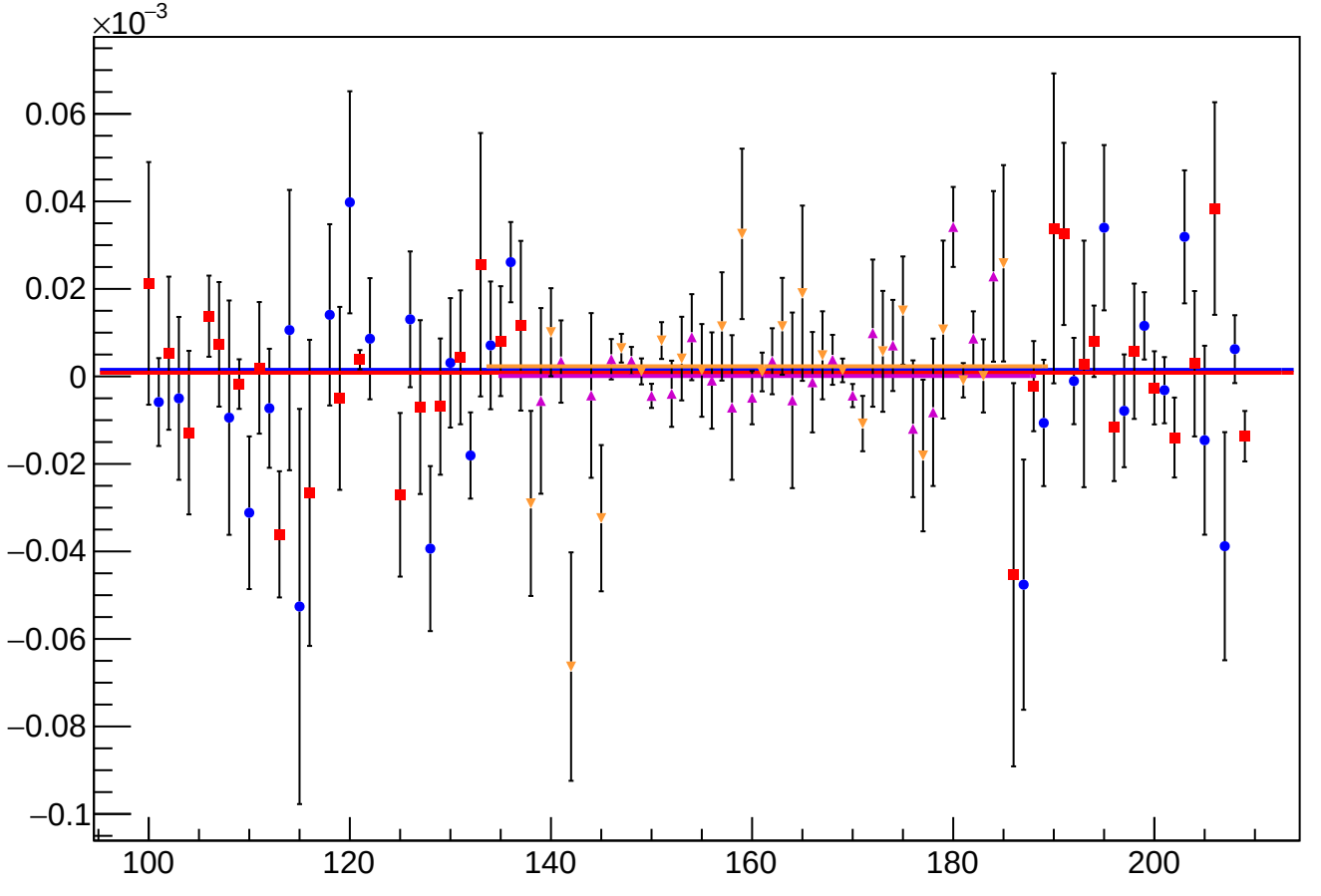
Left: 299.267+/-0.038 χ^2/NDF: 11615477.5/47

Right: 122.515+/-0.017 χ^2/NDF: 8970301.0/58

In: 158.666+/-0.023 χ^2/NDF:16468905.3/49

Out: 144.654+/-0.021 χ^2/NDF:21888582.7/56

All: 151.115+/-0.015 χ^2/NDF: 38564488.5/10



Right In: 0.000+/-0.000 χ^2/NDF: 42.3/26

Left Out: 0.000+/-0.000 χ^2/NDF:31.2/23

Right Out: 0.000+/-0.000 χ^2/NDF: 34.5/30

Left In: 0.000+/-0.000 χ^2/NDF:29.1/22

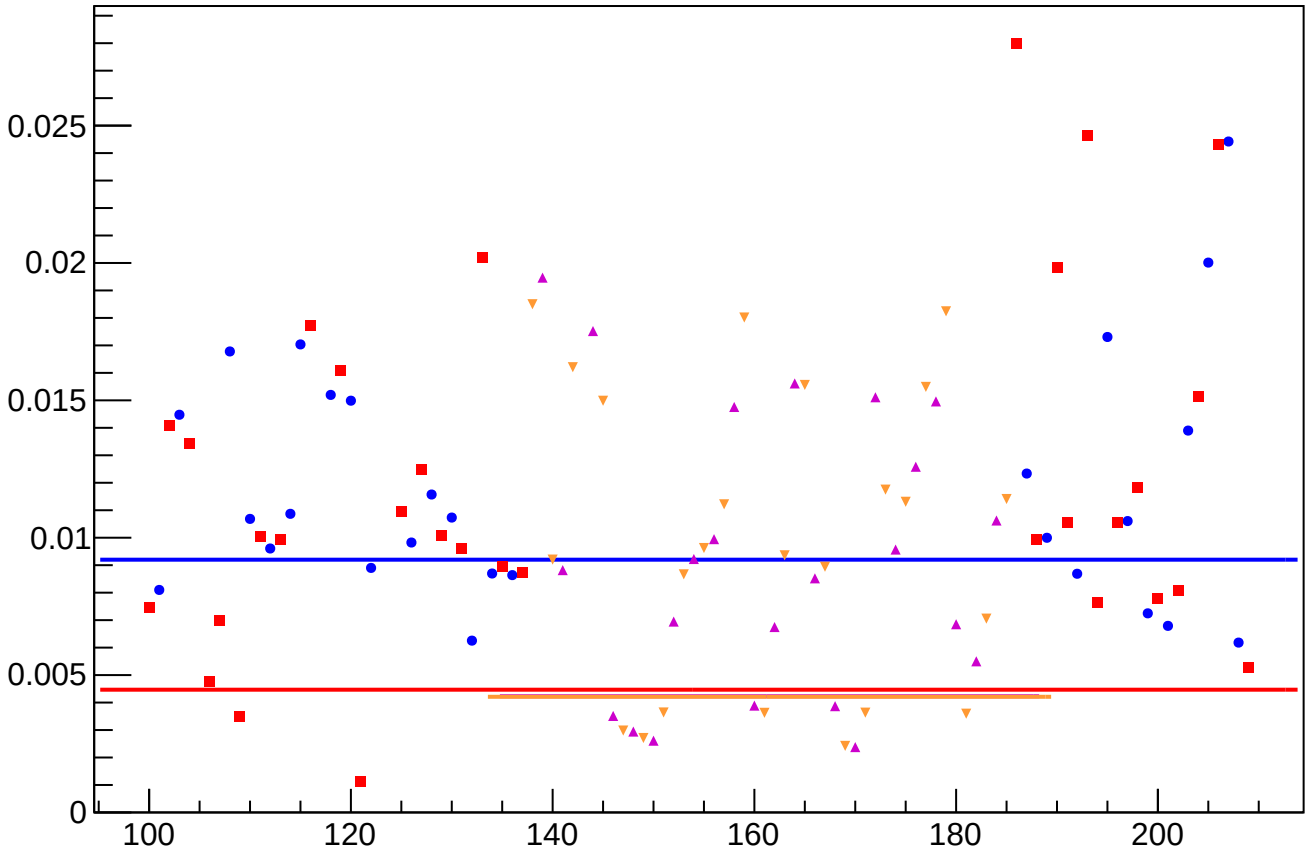
Left: 0.000+/-0.000 χ^2/NDF: 61.8/46

Right: 0.000+/-0.000 χ^2/NDF: 76.8/57

In: 0.000+/-0.000 χ^2/NDF:71.7/49

Out: 0.000+/-0.000 χ^2/NDF:66.1/54

All: 0.000+/-0.000 χ^2/NDF: 138.6/104



Right In: 0.009+/-0.000 χ^2/NDF: 3381264.2/26

Left Out: 0.004+/-0.000 χ^2/NDF:12078055.5/23

Right Out: 0.004+/-0.000 χ^2/NDF: 16097443.4/30

Left In: 0.004+/-0.000 χ^2/NDF:11034220.9/22

Left: 0.004+/-0.000 χ^2/NDF: 23112509.3/46

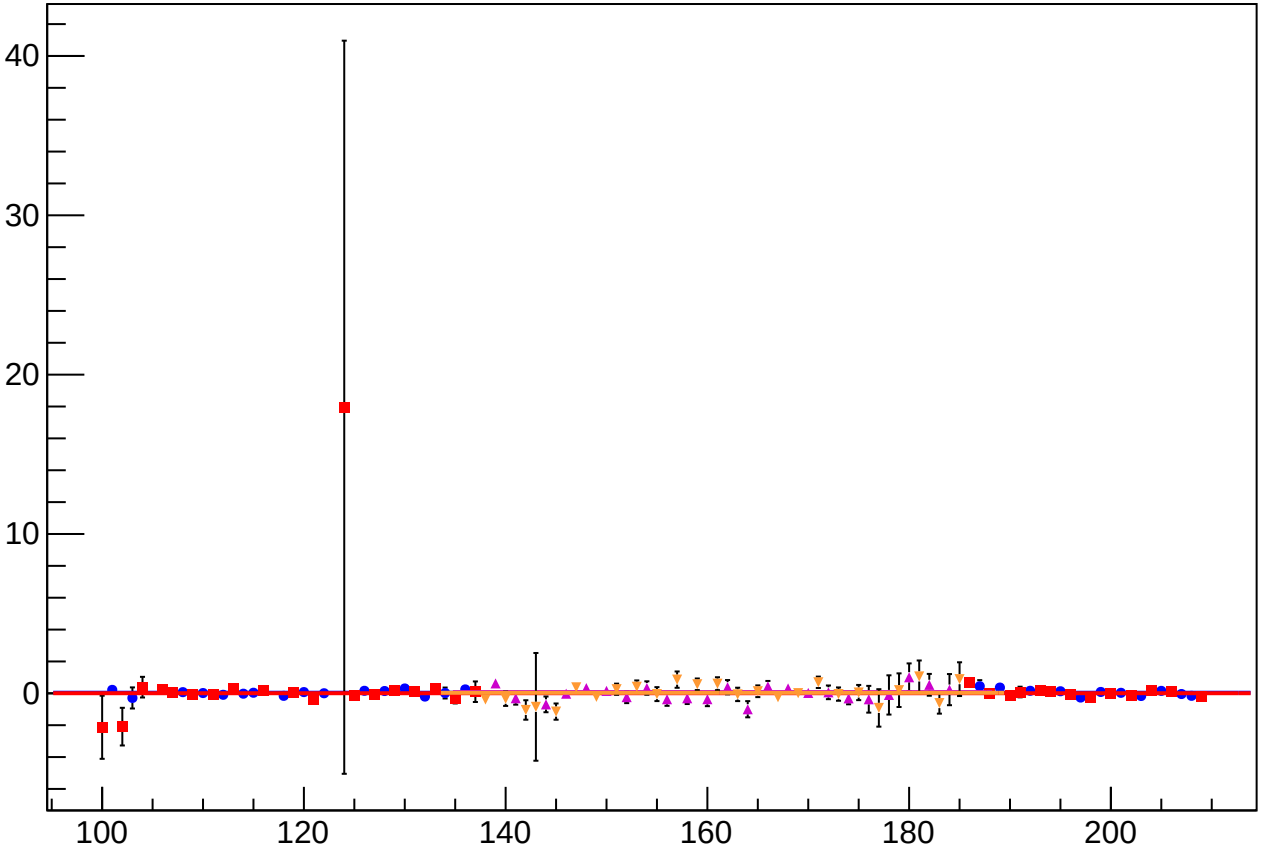
Right: 0.006+/-0.000 χ^2/NDF: 24506627.6/57

In: 0.005+/-0.000 χ^2/NDF:20572915.2/49

Out: 0.004+/-0.000 χ^2/NDF:28208373.1/54

All: 0.005+/-0.000 χ^2/NDF: 49532909.0/104

asym_atl_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.038+/-0.035 χ^2/NDF: 19.5/26

Left Out: 0.036+/-0.077 χ^2/NDF:29.7/24

Right Out: 0.007+/-0.032 χ^2/NDF: 35.2/31

Left In: 0.078+/-0.076 χ^2/NDF:24.1/22

Left: 0.057+/-0.054 χ^2/NDF: 53.9/47

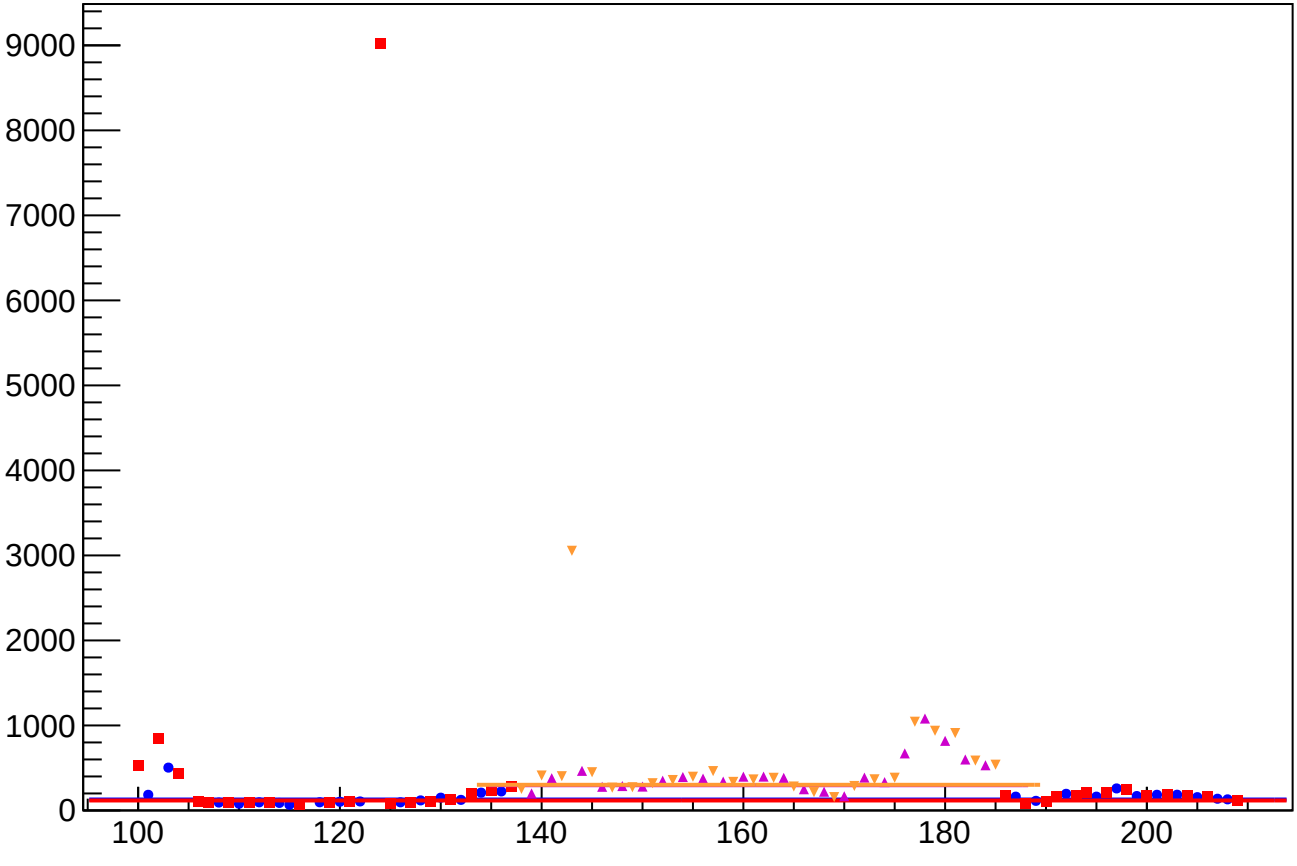
Right: 0.021+/-0.024 χ^2/NDF: 55.1/58

In: 0.045+/-0.032 χ^2/NDF:43.8/49

Out: 0.011+/-0.030 χ^2/NDF:65.0/56

All: 0.027+/-0.022 χ^2/NDF: 109.4/106

asym_atl_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 128.697+/-0.025 χ^2/NDF: 3446845.8/26

Left Out: 301.737+/-0.054 χ^2/NDF:6693577.7/24

Right Out: 117.415+/-0.023 χ^2/NDF: 5411215.8/31

Left In: 296.878+/-0.054 χ^2/NDF:4917864.1/22

Left: 299.269+/-0.038 χ^2/NDF: 11615492.5/47

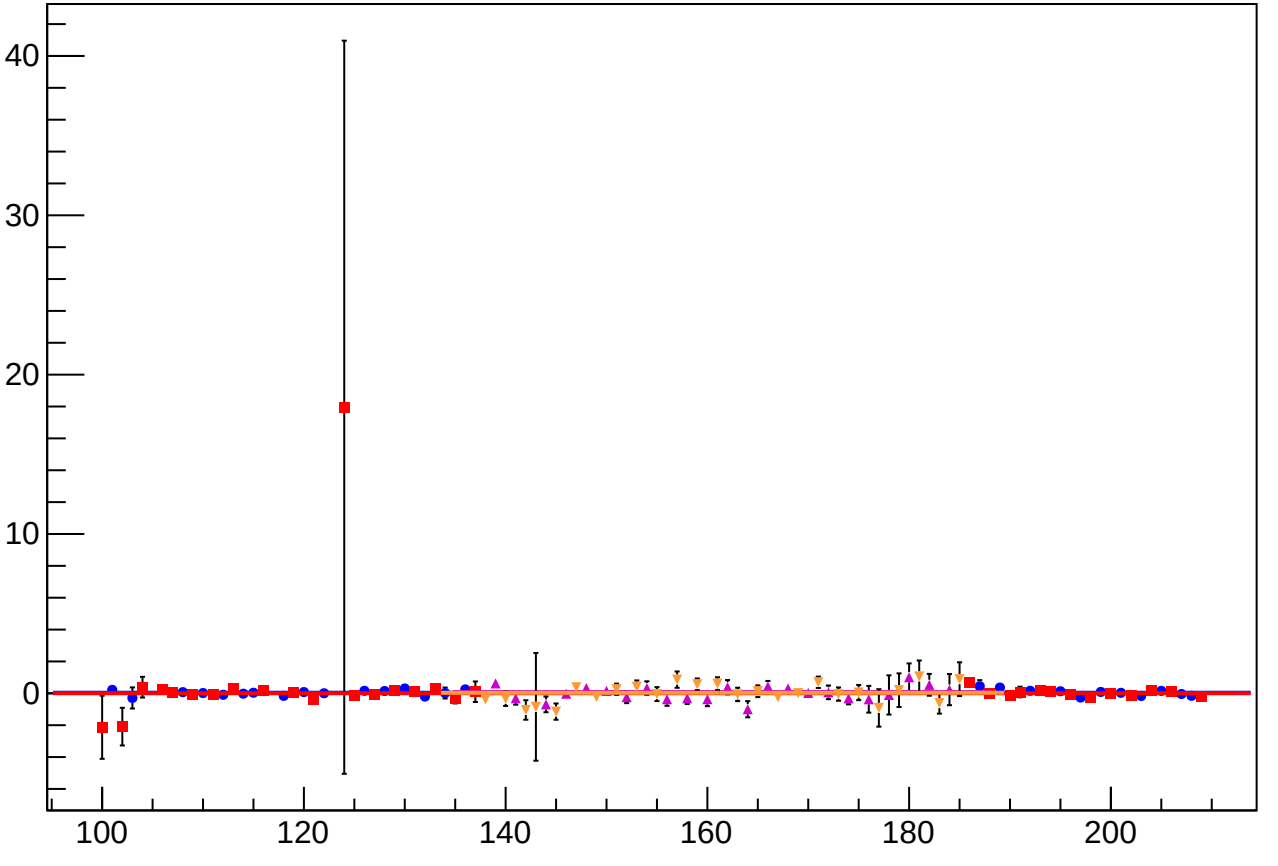
Right: 122.516+/-0.017 χ^2/NDF: 8970196.5/58

In: 158.667+/-0.023 χ^2/NDF:16468937.9/49

Out: 144.655+/-0.021 χ^2/NDF:21888545.0/56

All: 151.116+/-0.015 χ^2/NDF: 38564480.9/10

asym_atl_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.038+/-0.035 χ^2/NDF: 19.5/26

Left Out: 0.036+/-0.077 χ^2/NDF:29.7/24

Right Out: 0.007+/-0.032 χ^2/NDF: 35.2/31

Left In: 0.078+/-0.076 χ^2/NDF:24.1/22

Left: 0.057+/-0.054 χ^2/NDF: 53.9/47

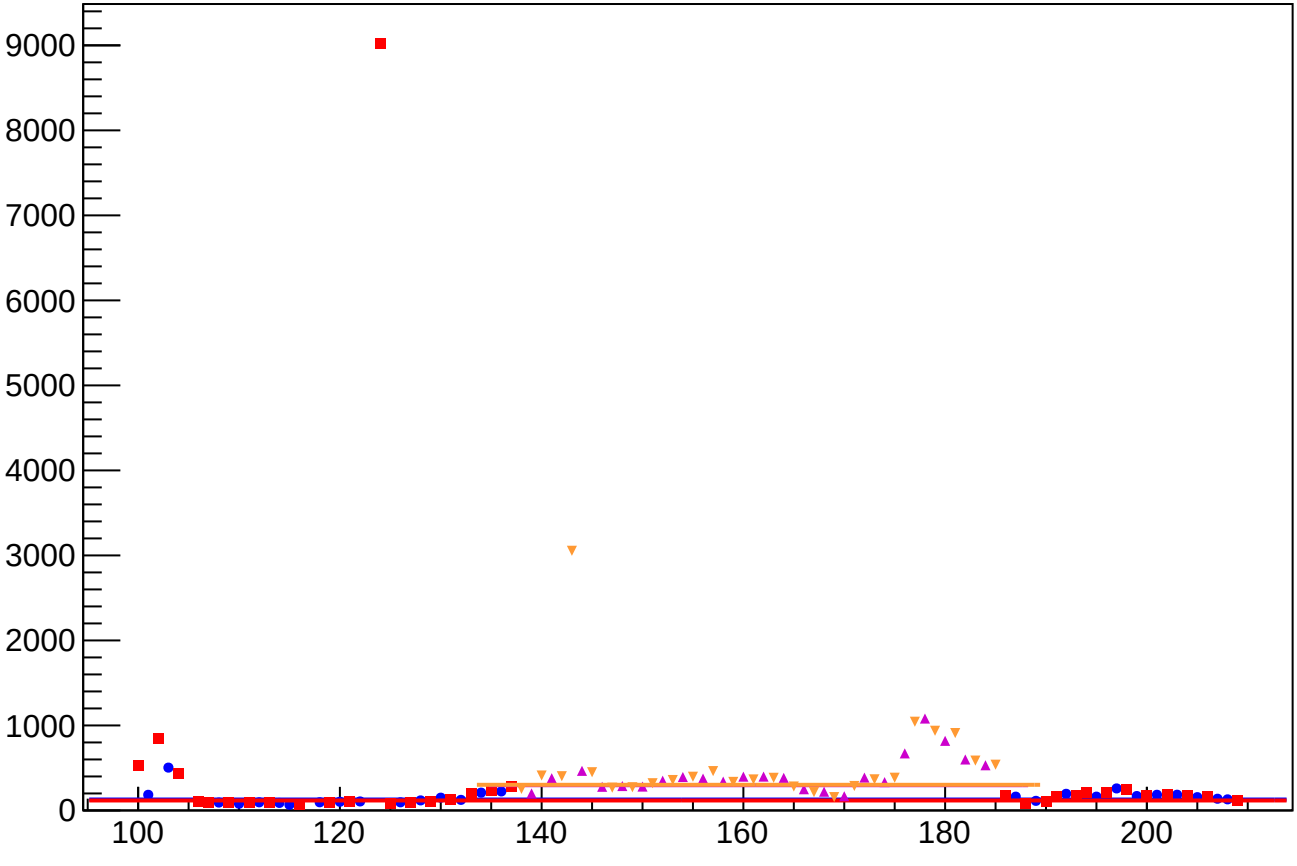
Right: 0.021+/-0.024 χ^2/NDF: 55.1/58

In: 0.045+/-0.032 χ^2/NDF:43.8/49

Out: 0.011+/-0.030 χ^2/NDF:65.0/56

All: 0.027+/-0.022 χ^2/NDF: 109.4/106

asym_atl_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 128.697+/-0.025 χ^2/NDF: 3446845.8/26

Left Out: 301.737+/-0.054 χ^2/NDF:6693577.7/24

Right Out: 117.415+/-0.023 χ^2/NDF: 5411215.8/31

Left In: 296.878+/-0.054 χ^2/NDF:4917864.1/22

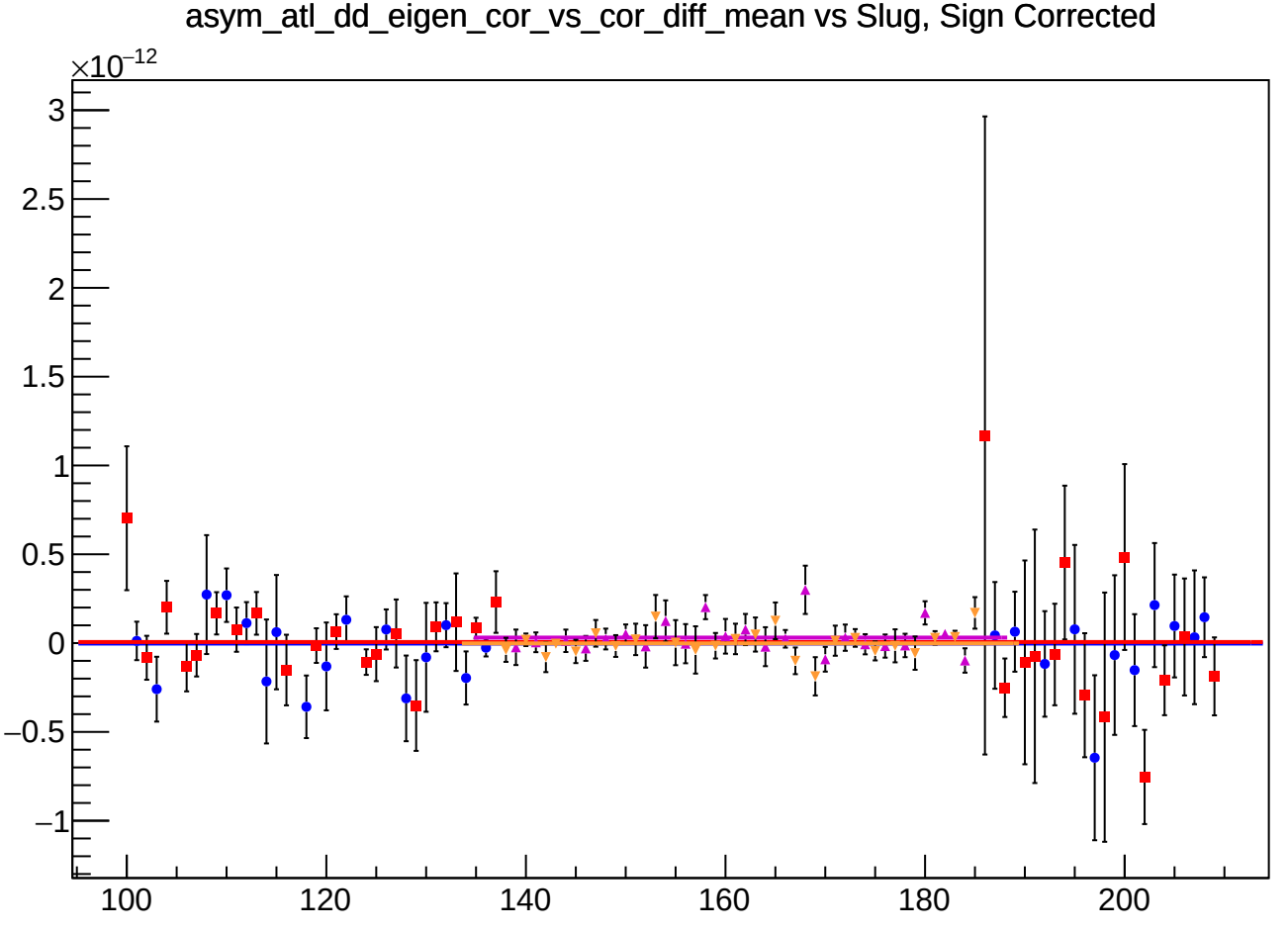
Left: 299.269+/-0.038 χ^2/NDF: 11615492.5/47

Right: 122.516+/-0.017 χ^2/NDF: 8970196.5/58

In: 158.667+/-0.023 χ^2/NDF:16468937.9/49

Out: 144.655+/-0.021 χ^2/NDF:21888545.0/56

All: 151.116+/-0.015 χ^2/NDF: 38564480.9/10



Right In: -0.000+/-0.000 χ^2/NDF: 20.9/26

Left Out: -0.000+/-0.000 χ^2/NDF:17.7/24

Right Out: 0.000+/-0.000 χ^2/NDF: 36.5/31

Left In: 0.000+/-0.000 χ^2/NDF:26.4/22

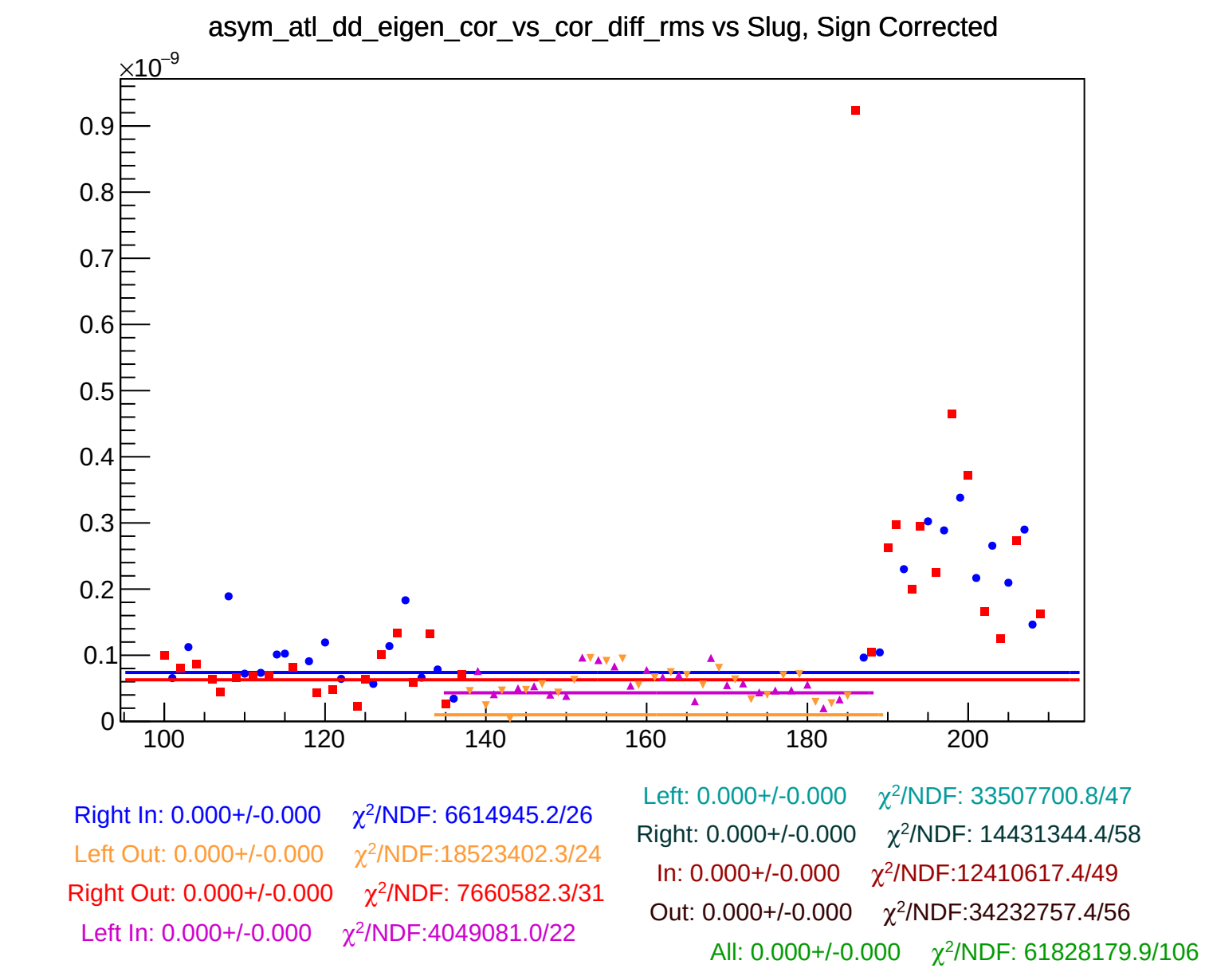
Left: 0.000+/-0.000 χ^2/NDF: 49.3/47

Right: 0.000+/-0.000 χ^2/NDF: 57.4/58

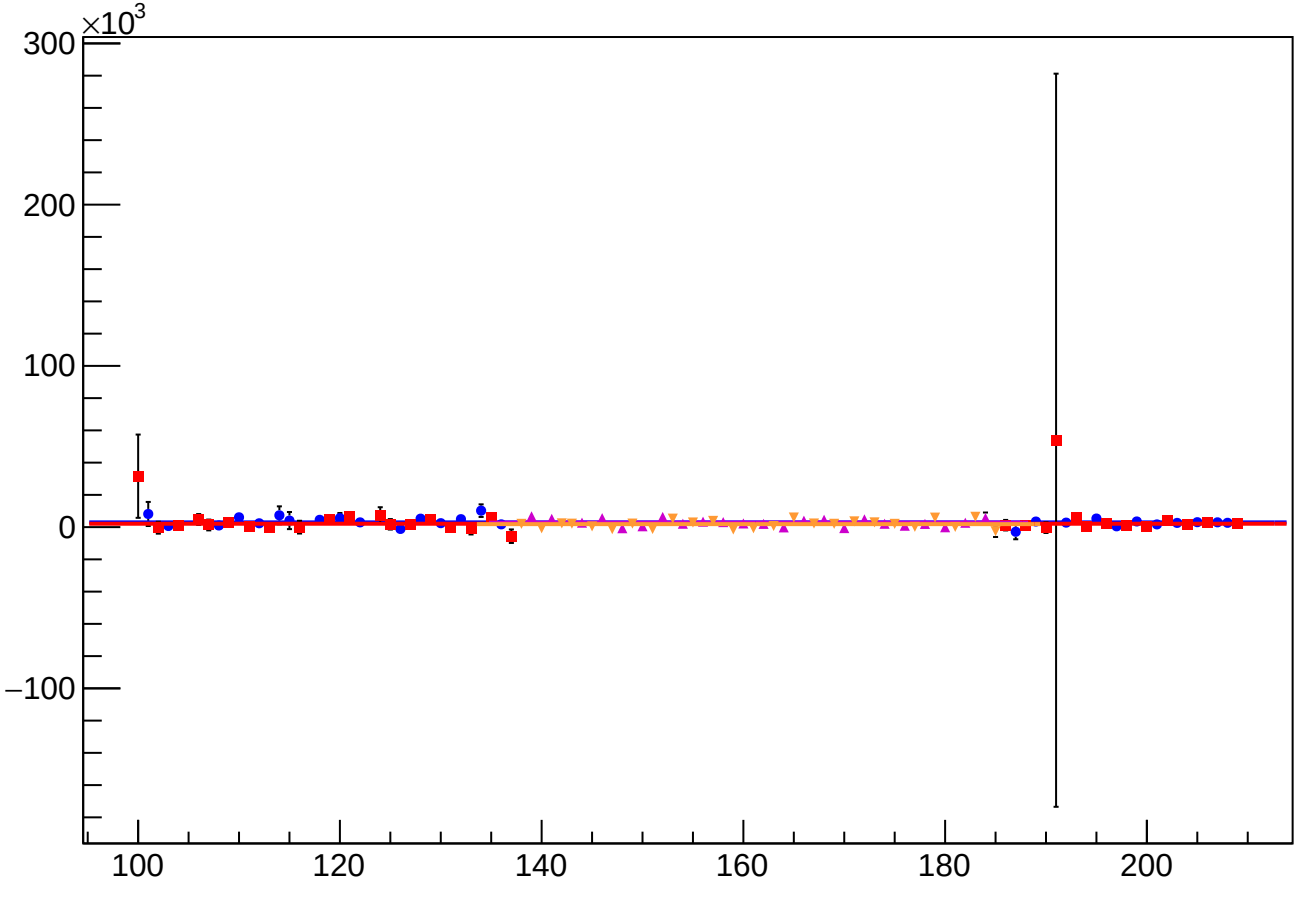
In: 0.000+/-0.000 χ^2/NDF:48.3/49

Out: -0.000+/-0.000 χ^2/NDF:54.3/56

All: 0.000+/-0.000 χ^2/NDF: 106.8/106


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
Right In: 0.000+/-0.000 χ²/NDF: 6614945.2/26
Left Out: 0.000+/-0.000 χ²/NDF:18523402.3/24
Right Out: 0.000+/-0.000 χ²/NDF: 7660582.3/31
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: 14431344.4/58
In: 0.000+/-0.000 χ²/NDF:12410617.4/49
Out: 0.000+/-0.000 χ²/NDF:34232757.4/56
All: 0.000+/-0.000 χ²/NDF: 61828179.9/106

reg_asym_atr_avg_mean vs Slug, Sign Corrected



Right In: 2944.565+/-492.659 χ^2/NDF: 16.3/26

Left Out: 1851.999+/-420.006 χ^2/NDF:31.5/24

Right Out: 2099.870+/-475.933 χ^2/NDF: 22.6/31

Left In: 2775.769+/-430.870 χ^2/NDF:25.4/22

Left: 2302.092+/-300.757 χ^2/NDF: 59.3/47

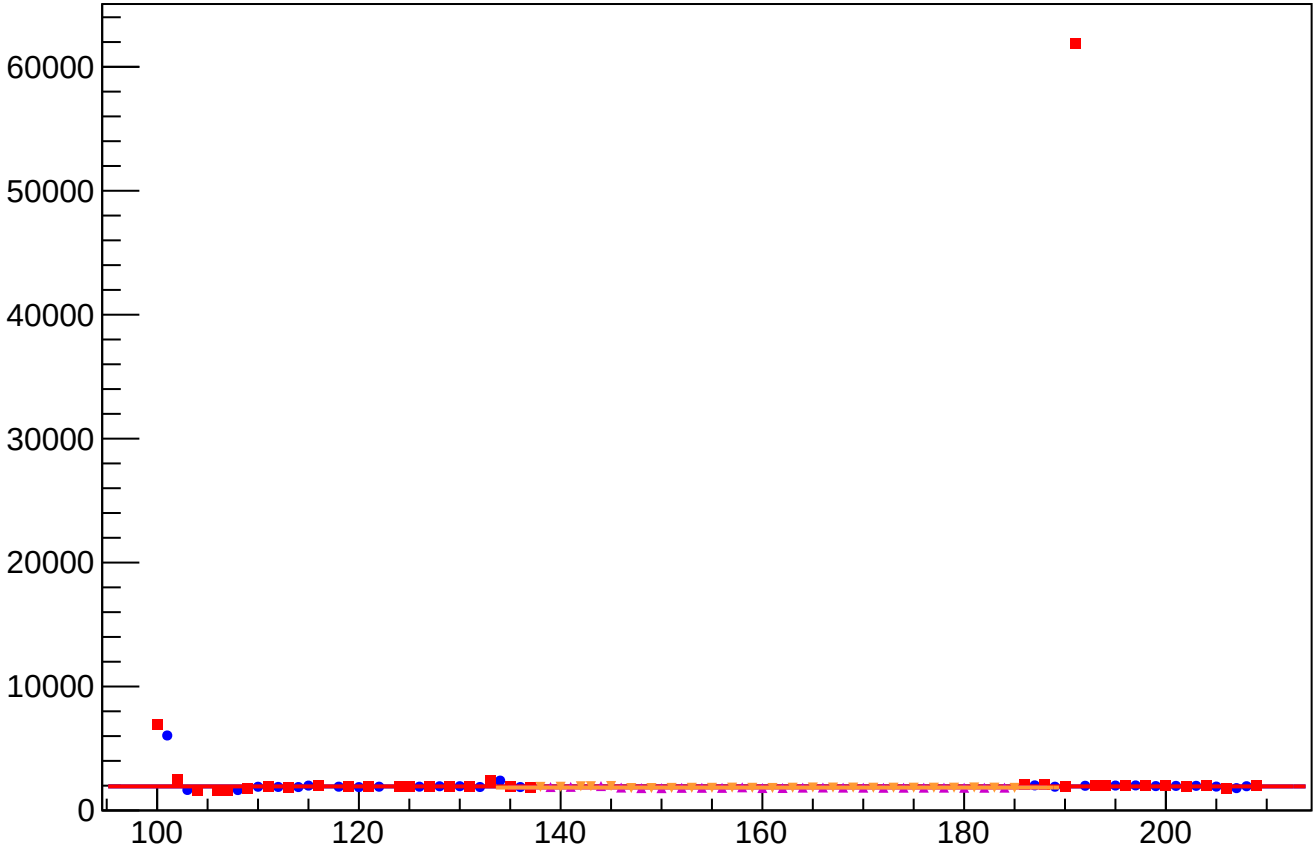
Right: 2507.635+/-342.296 χ^2/NDF: 40.5/58

In: 2848.924+/-324.330 χ^2/NDF:41.8/49

Out: 1960.522+/-314.915 χ^2/NDF:54.3/56

All: 2391.641+/-225.934 χ^2/NDF: 100.0/106

reg_asym_atr_avg_rms vs Slug, Sign Corrected



Right In: 1938.568+/-0.348 χ^2/NDF: 718151.3/26

Left Out: 1848.522+/-0.297 χ^2/NDF:20886.6/24

Right Out: 1941.549+/-0.336 χ^2/NDF: 420696.9/31

Left In: 1845.061+/-0.305 χ^2/NDF:14026.0/22

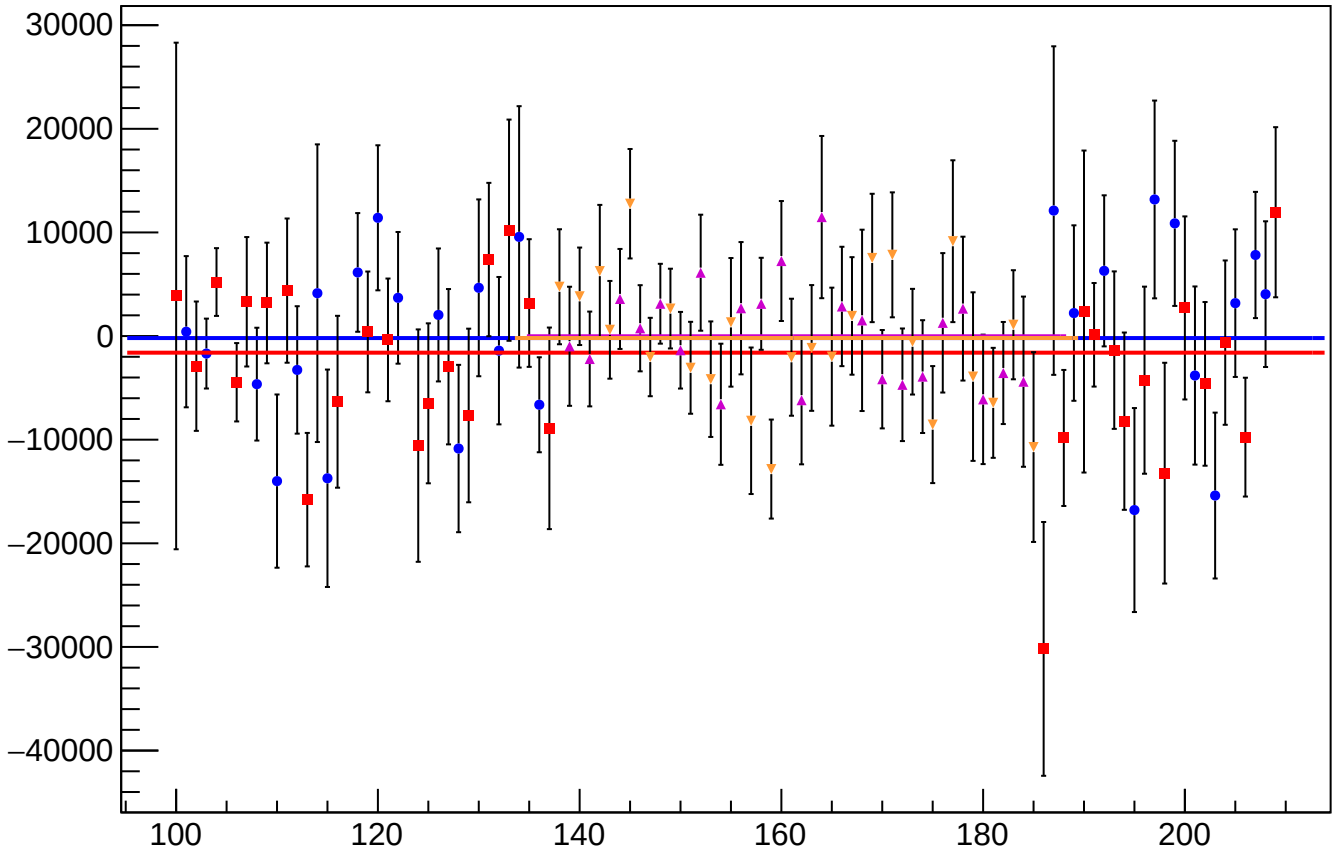
Left: 1846.835+/-0.213 χ^2/NDF: 34978.8/47

Right: 1940.112+/-0.242 χ^2/NDF: 1138886.1/58

In: 1885.586+/-0.229 χ^2/NDF:773000.5/49

Out: 1889.322+/-0.223 χ^2/NDF:484615.6/56

All: 1887.510+/-0.160 χ^2/NDF: 1257752.7/10



Right In: -193.207+/-1327.250 χ^2/NDF: 29.1/26

Left Out: -189.458+/-1088.618 χ^2/NDF:28.9/24

Right Out: -1603.992+/-1195.134 χ^2/NDF: 32.1/31

Left In: -19.391+/-1112.574 χ^2/NDF:13.7/22

Left: -106.275+/-778.101 χ^2/NDF: 42.7/47

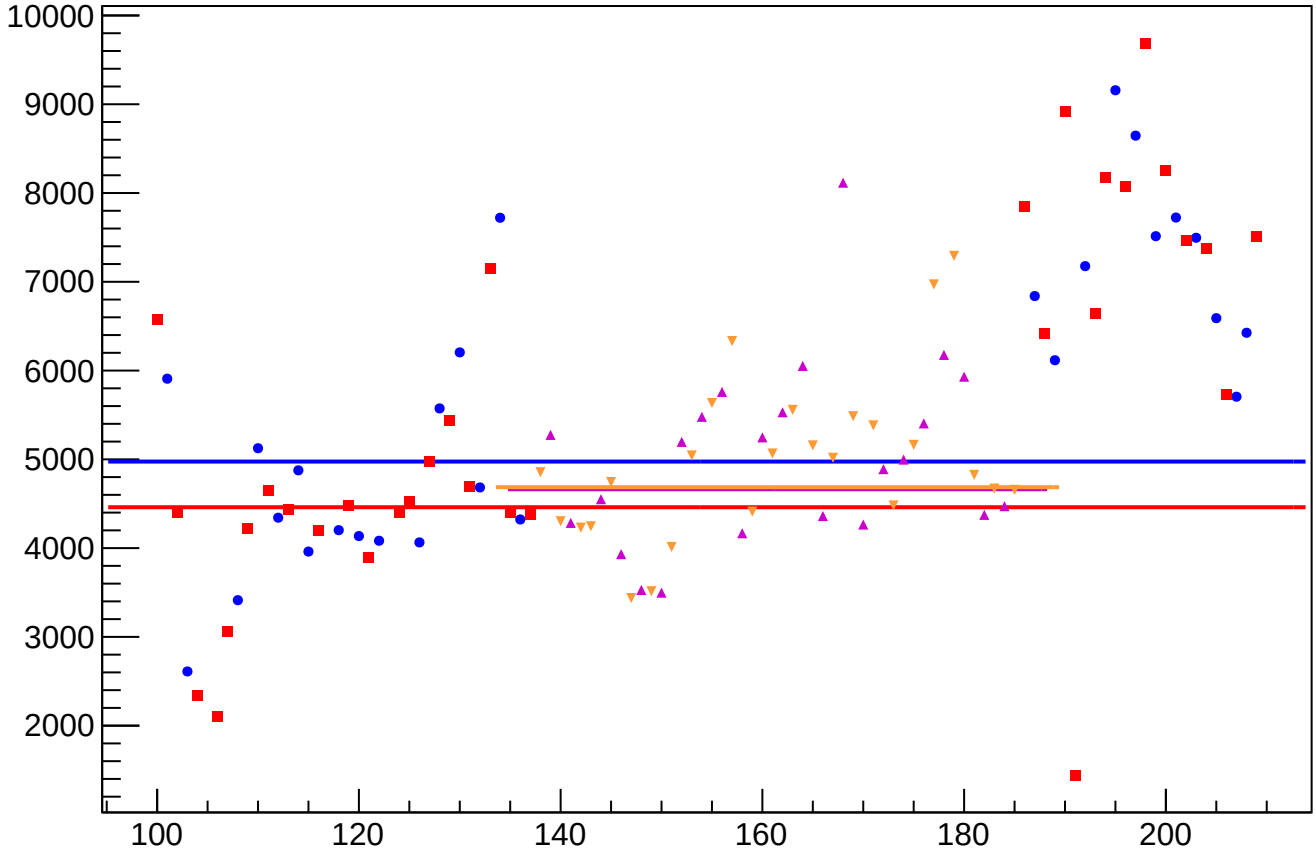
Right: -972.290+/-888.133 χ^2/NDF: 61.8/58

In: -91.123+/-852.635 χ^2/NDF:42.8/49

Out: -830.893+/-804.797 χ^2/NDF:61.8/56

All: -482.342+/-585.259 χ^2/NDF: 105.0/106

asym_atr_avg_reg_correction_rms vs Slug, Sign Corrected



Right In: 4975.028+/-0.939 χ^2/NDF: 3283167.3/26

Left Out: 4686.353+/-0.770 χ^2/NDF:1185063.7/24

Right Out: 4460.604+/-0.845 χ^2/NDF: 5799058.9/31

Left In: 4663.272+/-0.787 χ^2/NDF:1286726.4/22

Left: 4675.064+/-0.550 χ^2/NDF: 2472229.8/47

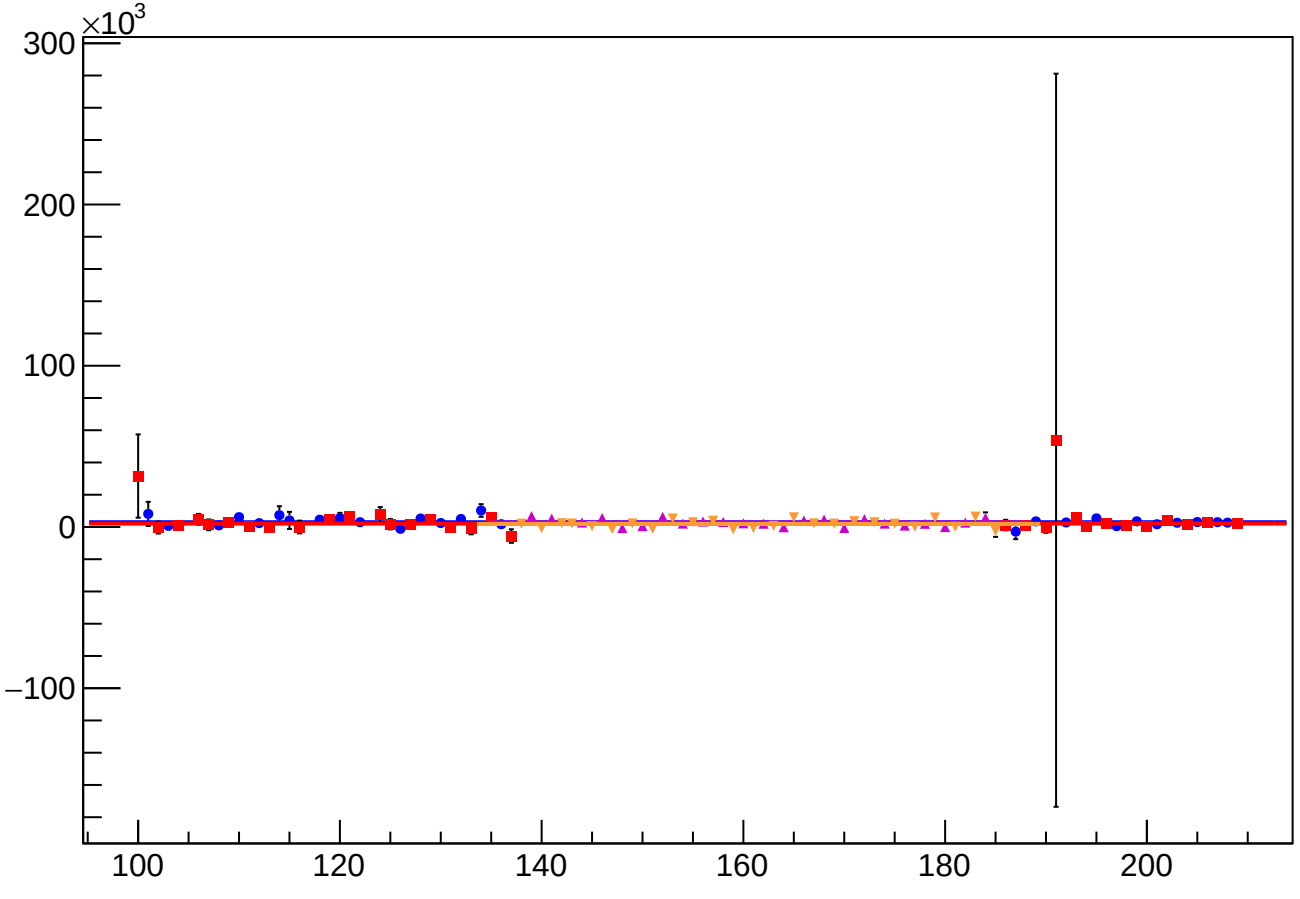
Right: 4690.945+/-0.628 χ^2/NDF: 9248143.5/58

In: 4791.930+/-0.603 χ^2/NDF:4634700.8/49

Out: 4583.984+/-0.569 χ^2/NDF:7023123.4/56

All: 4681.960+/-0.414 χ^2/NDF: 11720735.1/1

cor_asym_atr_avg_mean vs Slug, Sign Corrected



Right In: 2944.314+/-492.659 χ^2/NDF: 16.3/26

Left Out: 1851.888+/-420.006 χ^2/NDF:31.5/24

Right Out: 2100.367+/-475.934 χ^2/NDF: 22.6/31

Left In: 2775.745+/-430.870 χ^2/NDF:25.4/22

Left: 2302.023+/-300.757 χ^2/NDF: 59.3/47

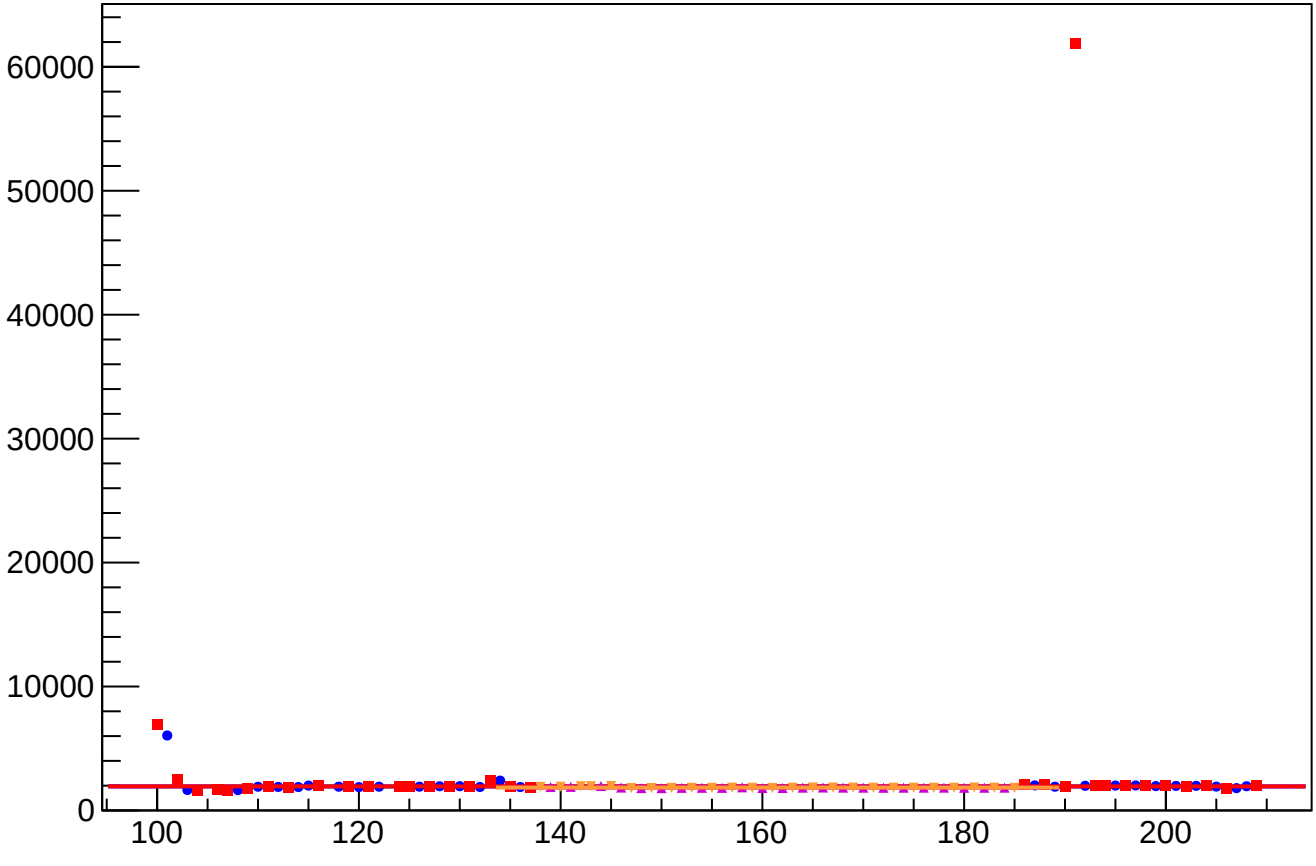
Right: 2507.772+/-342.296 χ^2/NDF: 40.5/58

In: 2848.802+/-324.330 χ^2/NDF:41.8/49

Out: 1960.677+/-314.915 χ^2/NDF:54.3/56

All: 2391.662+/-225.934 χ^2/NDF: 100.0/106

cor_asym_atr_avg_rms vs Slug, Sign Corrected



Right In: 1938.568+/-0.348 χ^2/NDF: 718150.4/26

Left Out: 1848.522+/-0.297 χ^2/NDF:20886.6/24

Right Out: 1943.424+/-0.336 χ^2/NDF: 412609.8/31

Left In: 1845.061+/-0.305 χ^2/NDF:14026.0/22

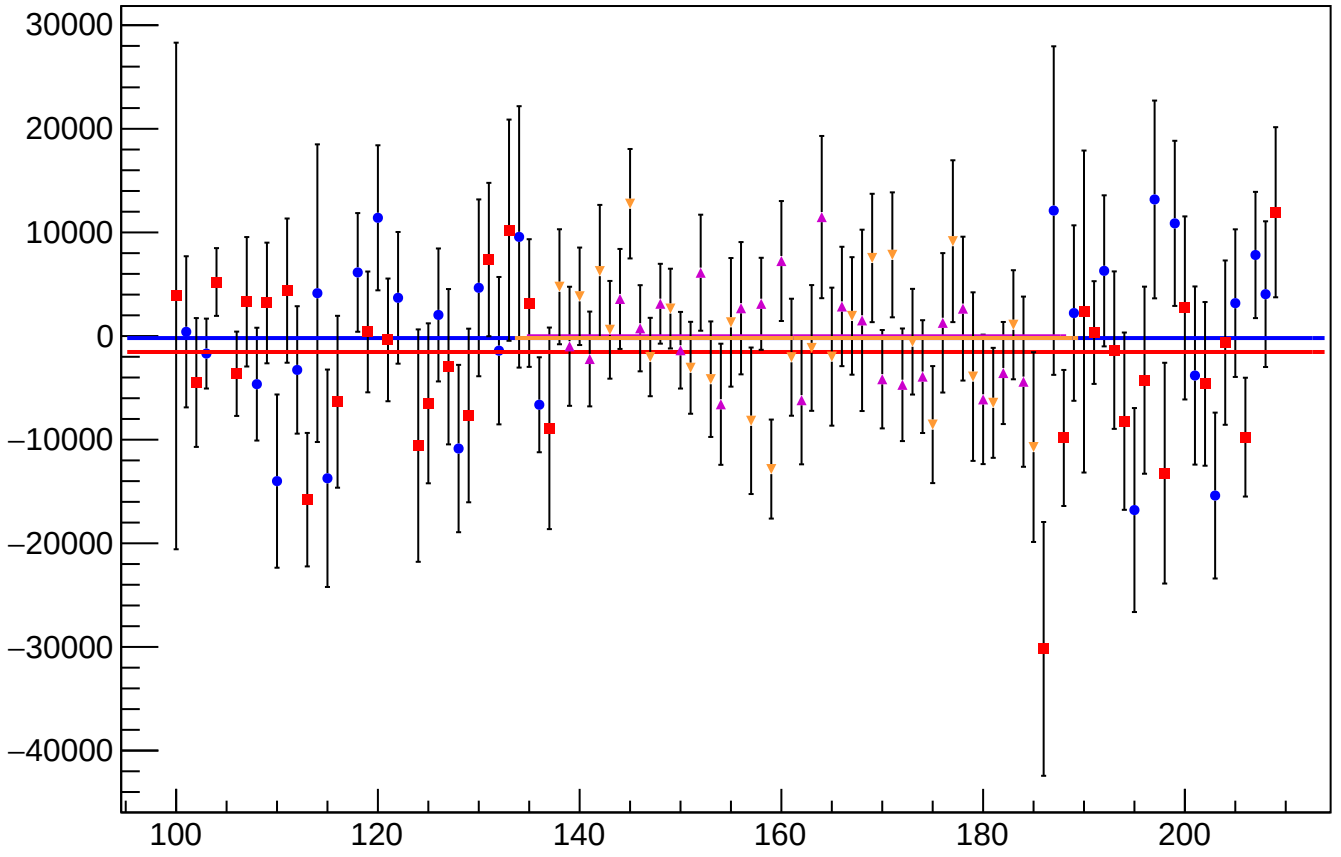
Left: 1846.835+/-0.213 χ^2/NDF: 34978.8/47

Right: 1941.082+/-0.242 χ^2/NDF: 1130860.7/58

In: 1885.586+/-0.229 χ^2/NDF:772999.7/49

Out: 1890.105+/-0.223 χ^2/NDF:478238.3/56

All: 1887.913+/-0.160 χ^2/NDF: 1251437.9/10



Right In: -193.406+/-1327.251 χ^2/NDF: 29.0/26

Left Out: -189.487+/-1088.617 χ^2/NDF:28.9/24

Right Out: -1537.614+/-1202.602 χ^2/NDF: 32.0/31

Left In: -19.431+/-1112.574 χ^2/NDF:13.7/22

Left: -106.310+/-778.100 χ^2/NDF: 42.7/47

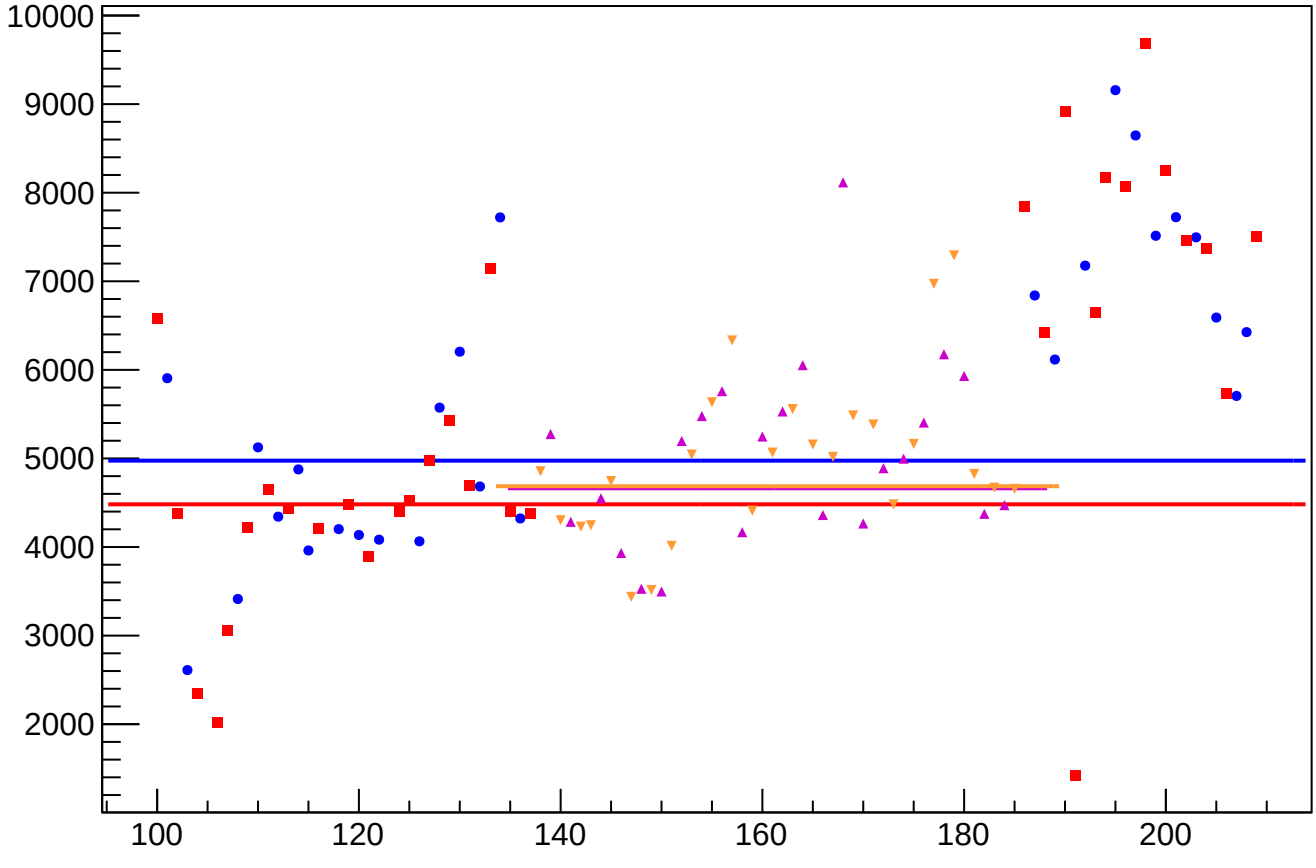
Right: -931.580+/-891.186 χ^2/NDF: 61.6/58

In: -91.228+/-852.636 χ^2/NDF:42.8/49

Out: -796.649+/-807.065 χ^2/NDF:61.6/56

All: -463.293+/-586.130 χ^2/NDF: 104.8/106

asym_atr_avg_cor_correction_rms vs Slug, Sign Corrected



Right In: 4975.095+/-0.939 χ^2/NDF: 3282539.9/26

Left Out: 4686.346+/-0.770 χ^2/NDF:1185089.0/24

Right Out: 4482.054+/-0.850 χ^2/NDF: 5755409.7/31

Left In: 4663.273+/-0.787 χ^2/NDF:1286722.8/22

Left: 4675.061+/-0.550 χ^2/NDF: 2472251.2/47

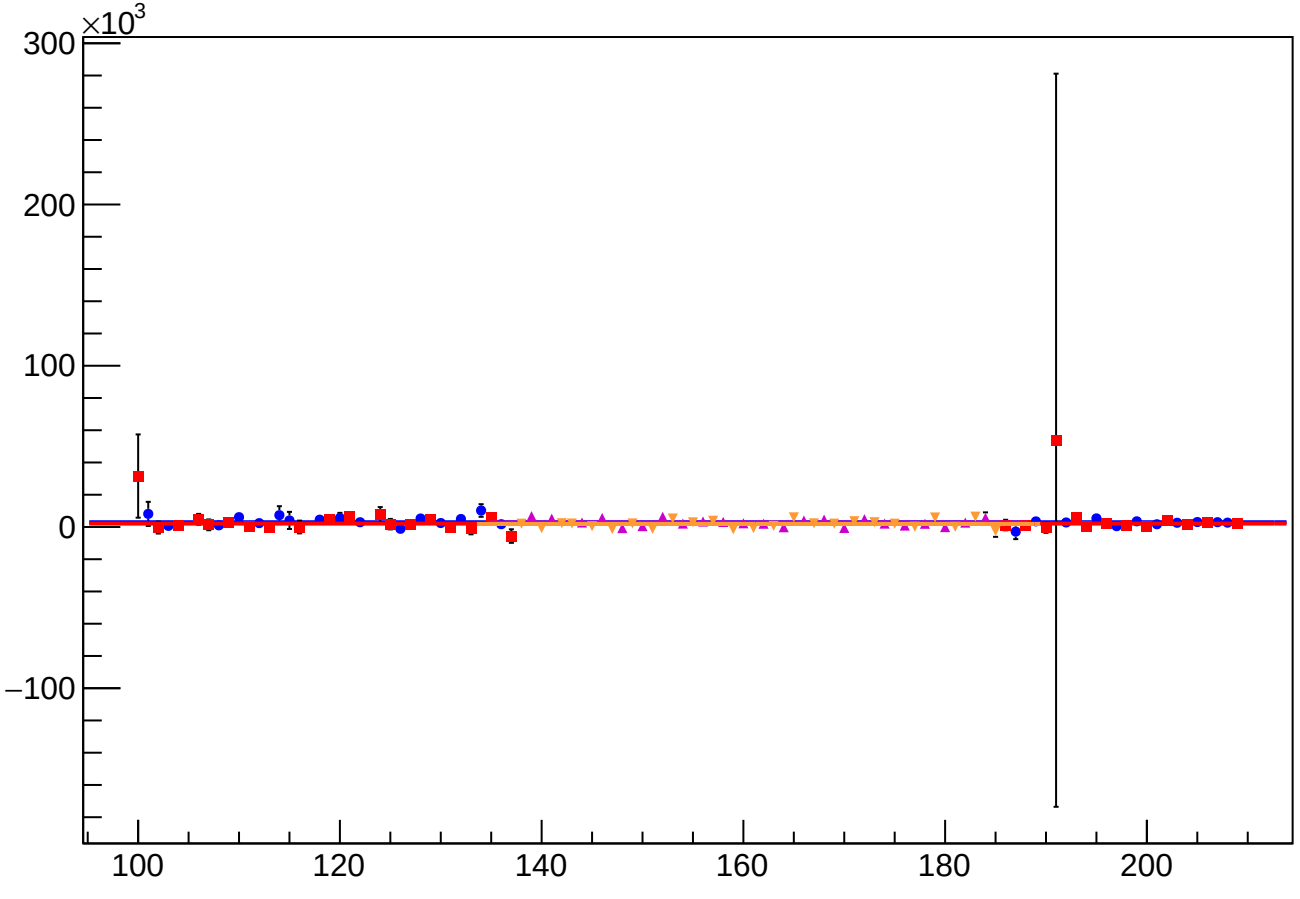
Right: 4704.339+/-0.630 χ^2/NDF: 9189509.3/58

In: 4791.958+/-0.603 χ^2/NDF:4634097.0/49

Out: 4594.338+/-0.571 χ^2/NDF:6972220.6/56

All: 4687.726+/-0.414 χ^2/NDF: 11662985.4/1

eigen_cor_asym_atr_avg_mean vs Slug, Sign Corrected



Right In: 2944.314+/-492.659 χ^2/NDF: 16.3/26

Left Out: 1851.888+/-420.006 χ^2/NDF:31.5/24

Right Out: 2100.367+/-475.934 χ^2/NDF: 22.6/31

Left In: 2775.745+/-430.870 χ^2/NDF:25.4/22

Left: 2302.023+/-300.757 χ^2/NDF: 59.3/47

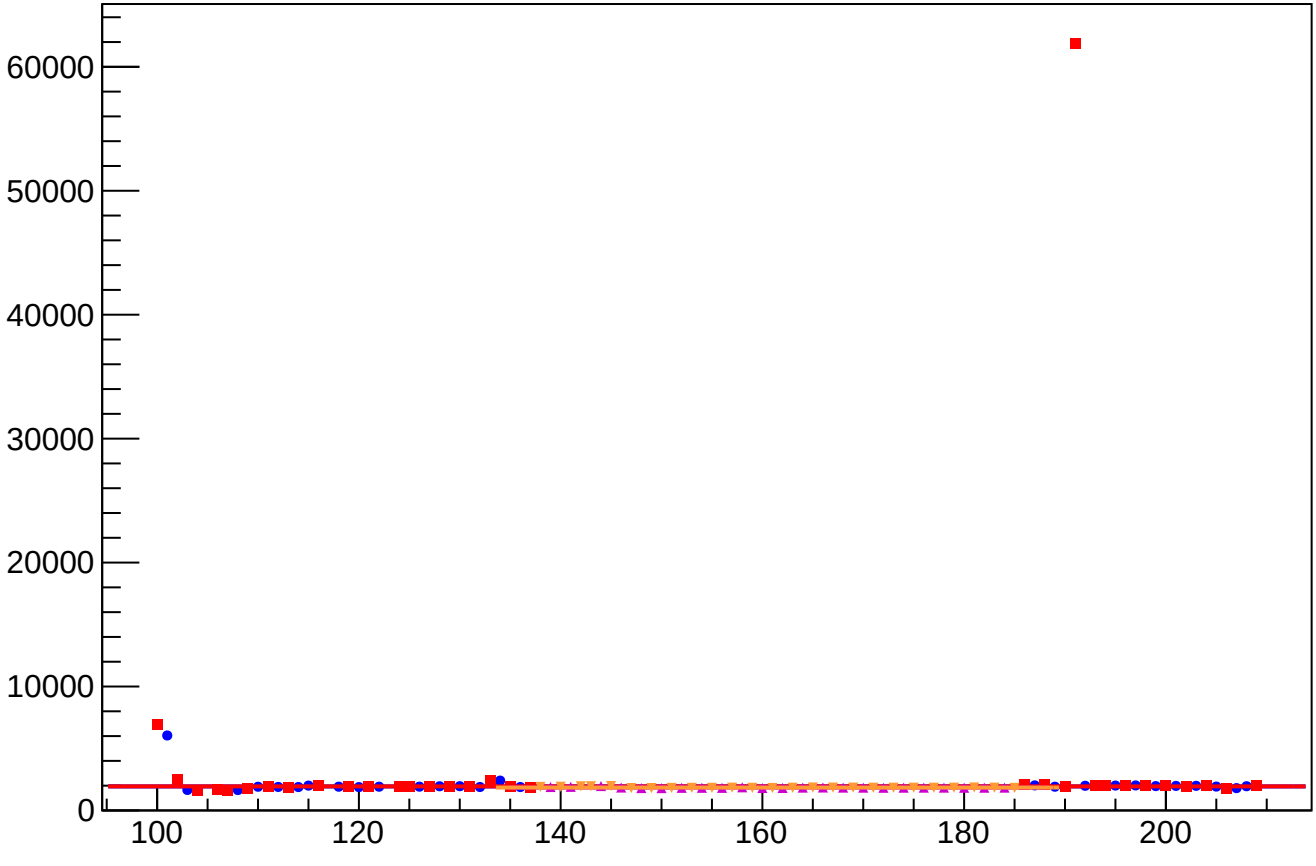
Right: 2507.772+/-342.296 χ^2/NDF: 40.5/58

In: 2848.802+/-324.330 χ^2/NDF:41.8/49

Out: 1960.677+/-314.915 χ^2/NDF:54.3/56

All: 2391.662+/-225.934 χ^2/NDF: 100.0/106

eigen_cor_asym_atr_avg_rms vs Slug, Sign Corrected



Right In: 1938.568+/-0.348 χ^2/NDF: 718150.4/26

Left Out: 1848.522+/-0.297 χ^2/NDF:20886.6/24

Right Out: 1943.424+/-0.336 χ^2/NDF: 412609.8/31

Left In: 1845.061+/-0.305 χ^2/NDF:14026.0/22

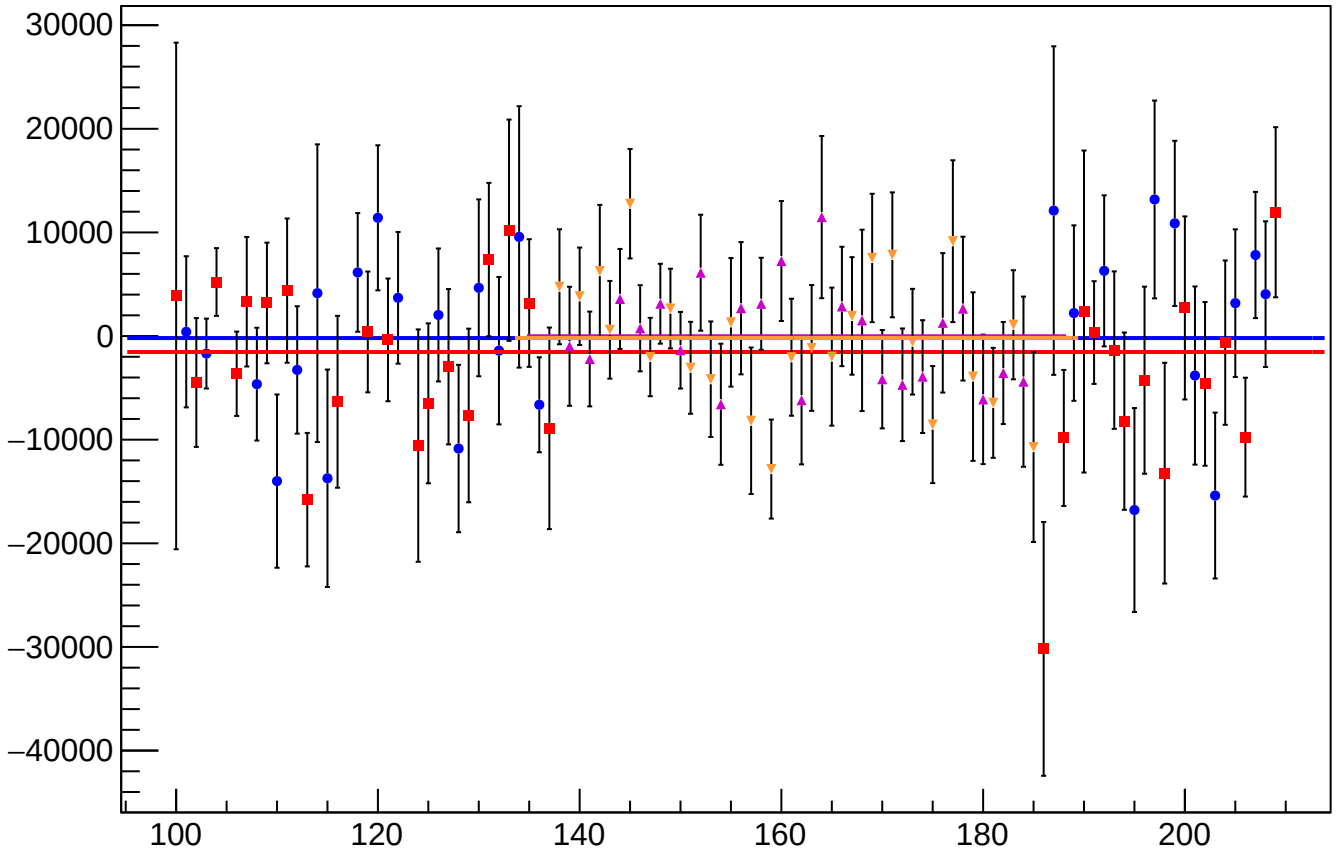
Left: 1846.835+/-0.213 χ^2/NDF: 34978.8/47

Right: 1941.082+/-0.242 χ^2/NDF: 1130860.7/58

In: 1885.586+/-0.229 χ^2/NDF:772999.7/49

Out: 1890.105+/-0.223 χ^2/NDF:478238.3/56

All: 1887.913+/-0.160 χ^2/NDF: 1251437.9/10



Right In: -193.406+/-1327.251 χ^2/NDF: 29.0/26

Left Out: -189.487+/-1088.617 χ^2/NDF:28.9/24

Right Out: -1537.614+/-1202.602 χ^2/NDF: 32.0/31

Left In: -19.431+/-1112.574 χ^2/NDF:13.7/22

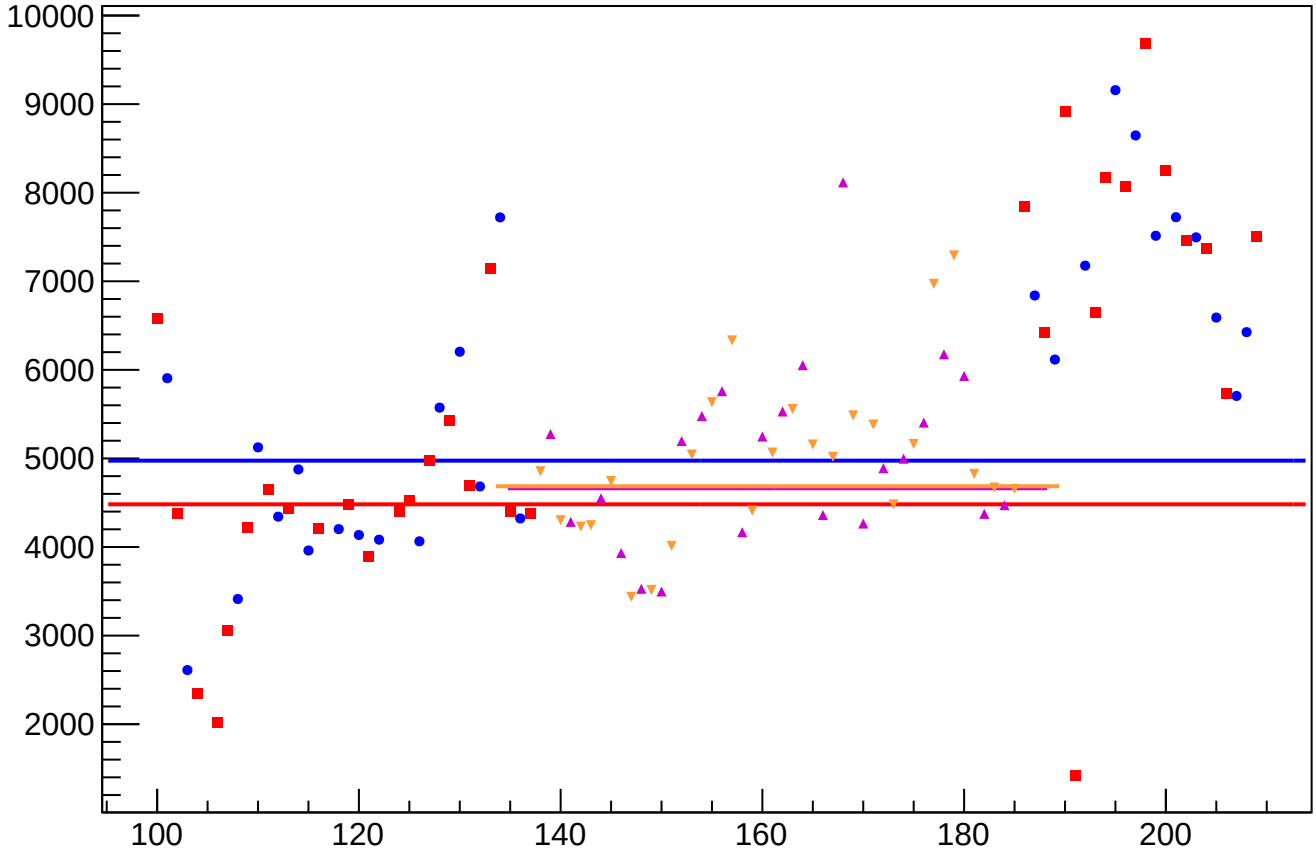
Left: -106.310+/-778.100 χ^2/NDF: 42.7/47

Right: -931.580+/-891.186 χ^2/NDF: 61.6/58

In: -91.228+/-852.636 χ^2/NDF:42.8/49

Out: -796.649+/-807.065 χ^2/NDF:61.6/56

All: -463.293+/-586.130 χ^2/NDF: 104.8/106



Right In: 4975.095+/-0.939 χ^2/NDF: 3282539.9/26

Left Out: 4686.346+/-0.770 χ^2/NDF:1185089.0/24

Right Out: 4482.054+/-0.850 χ^2/NDF: 5755409.7/31

Left In: 4663.273+/-0.787 χ^2/NDF:1286722.8/22

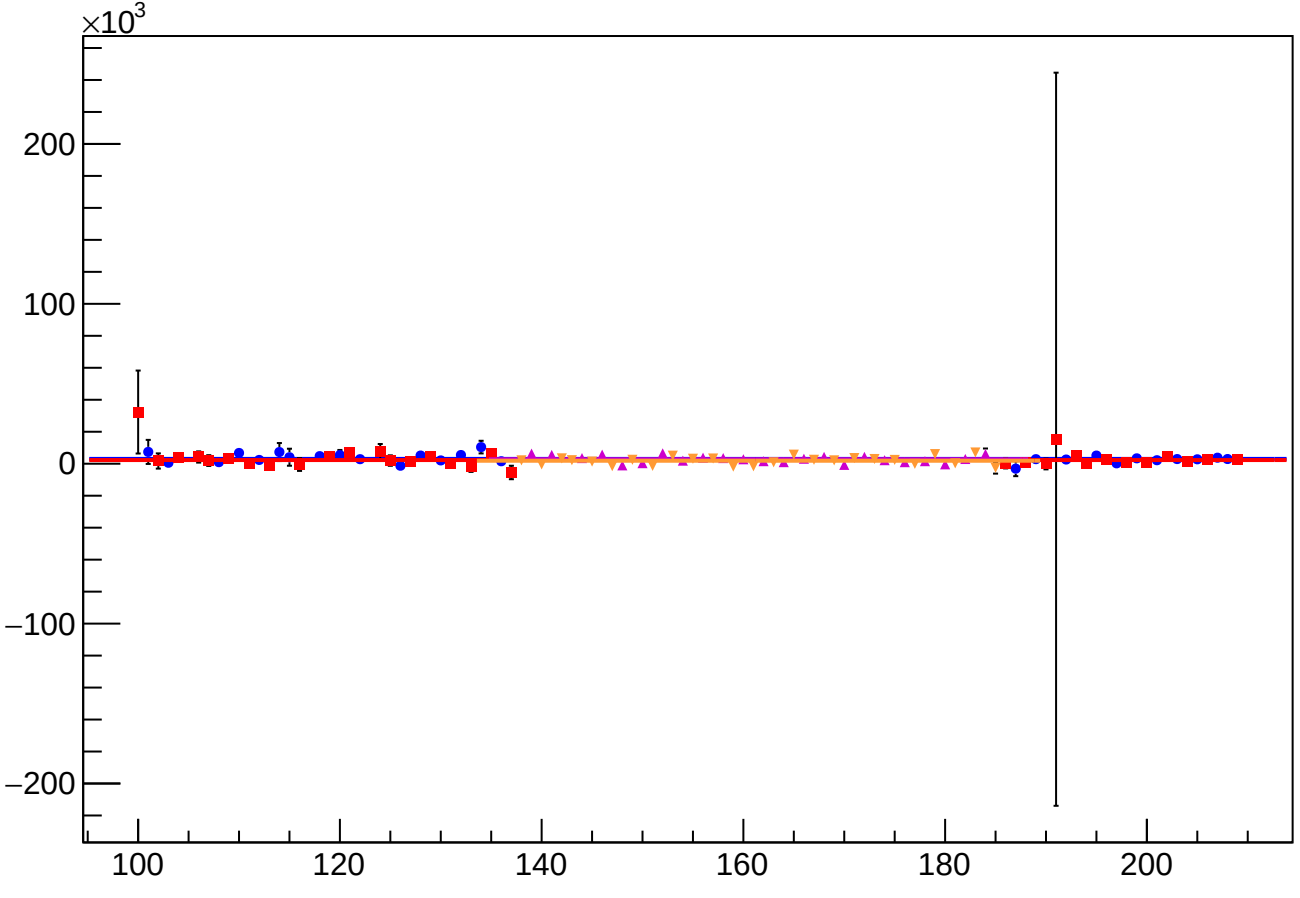
Left: 4675.061+/-0.550 χ^2/NDF: 2472251.2/47

Right: 4704.339+/-0.630 χ^2/NDF: 9189509.3/58

In: 4791.958+/-0.603 χ^2/NDF:4634097.0/49

Out: 4594.338+/-0.571 χ^2/NDF:6972220.6/56

All: 4687.726+/-0.414 χ^2/NDF: 11662985.4/1



Right In: 3009.287+/-502.803 χ^2/NDF: 16.7/26

Left Out: 1880.927+/-428.980 χ^2/NDF:32.9/24

Right Out: 2293.737+/-486.733 χ^2/NDF: 23.5/31

Left In: 2798.435+/-439.234 χ^2/NDF:25.4/22

Left: 2328.846+/-306.896 χ^2/NDF: 60.6/47

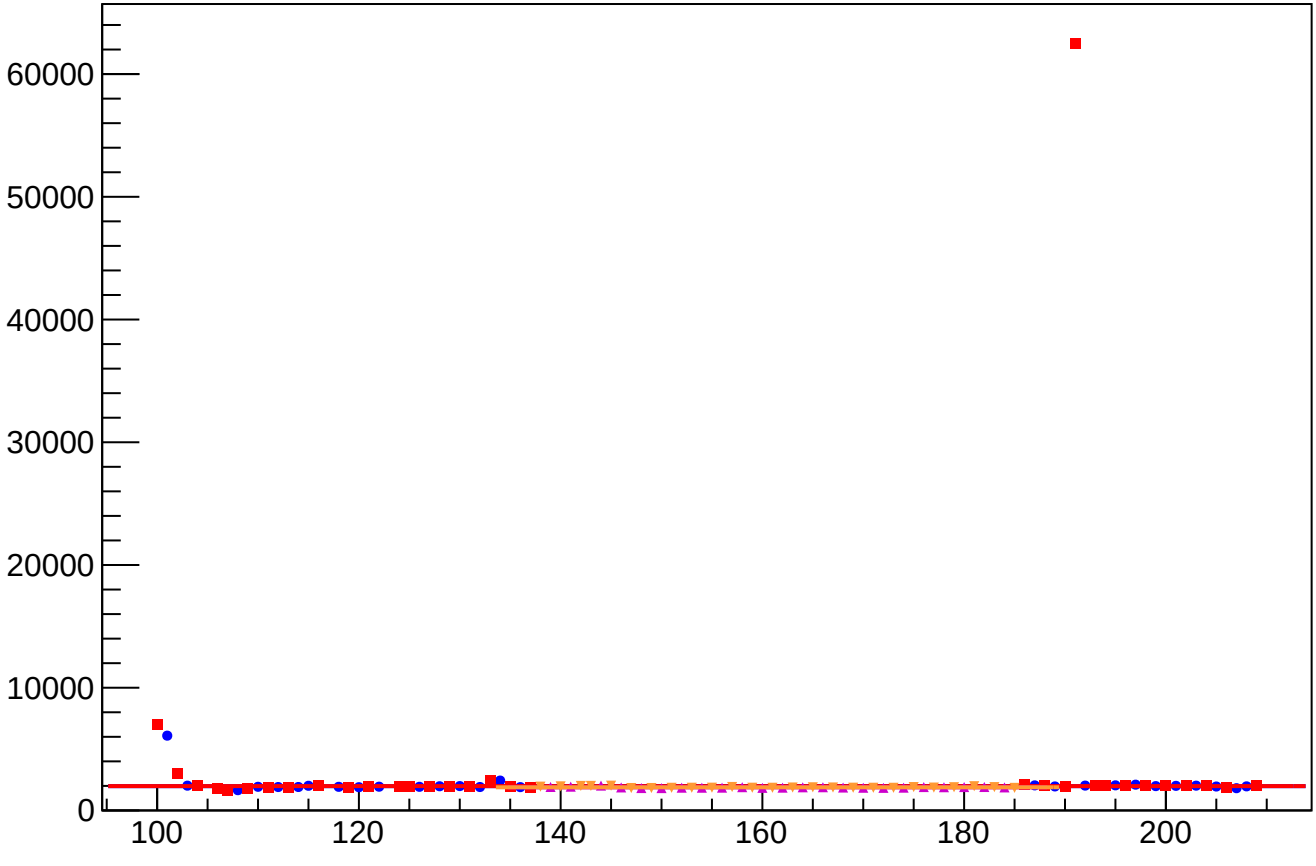
Right: 2639.894+/-349.715 χ^2/NDF: 41.2/58

In: 2889.697+/-330.792 χ^2/NDF:42.2/49

Out: 2061.400+/-321.826 χ^2/NDF:56.8/56

All: 2464.172+/-230.670 χ^2/NDF: 102.3/106

dit_asym_atr_avg_rms vs Slug, Sign Corrected



Right In: 1979.085+/-0.356 χ^2/NDF: 690426.0/26

Left Out: 1887.545+/-0.303 χ^2/NDF:31955.7/24

Right Out: 1983.514+/-0.344 χ^2/NDF: 434203.2/31

Left In: 1880.575+/-0.311 χ^2/NDF:19037.6/22

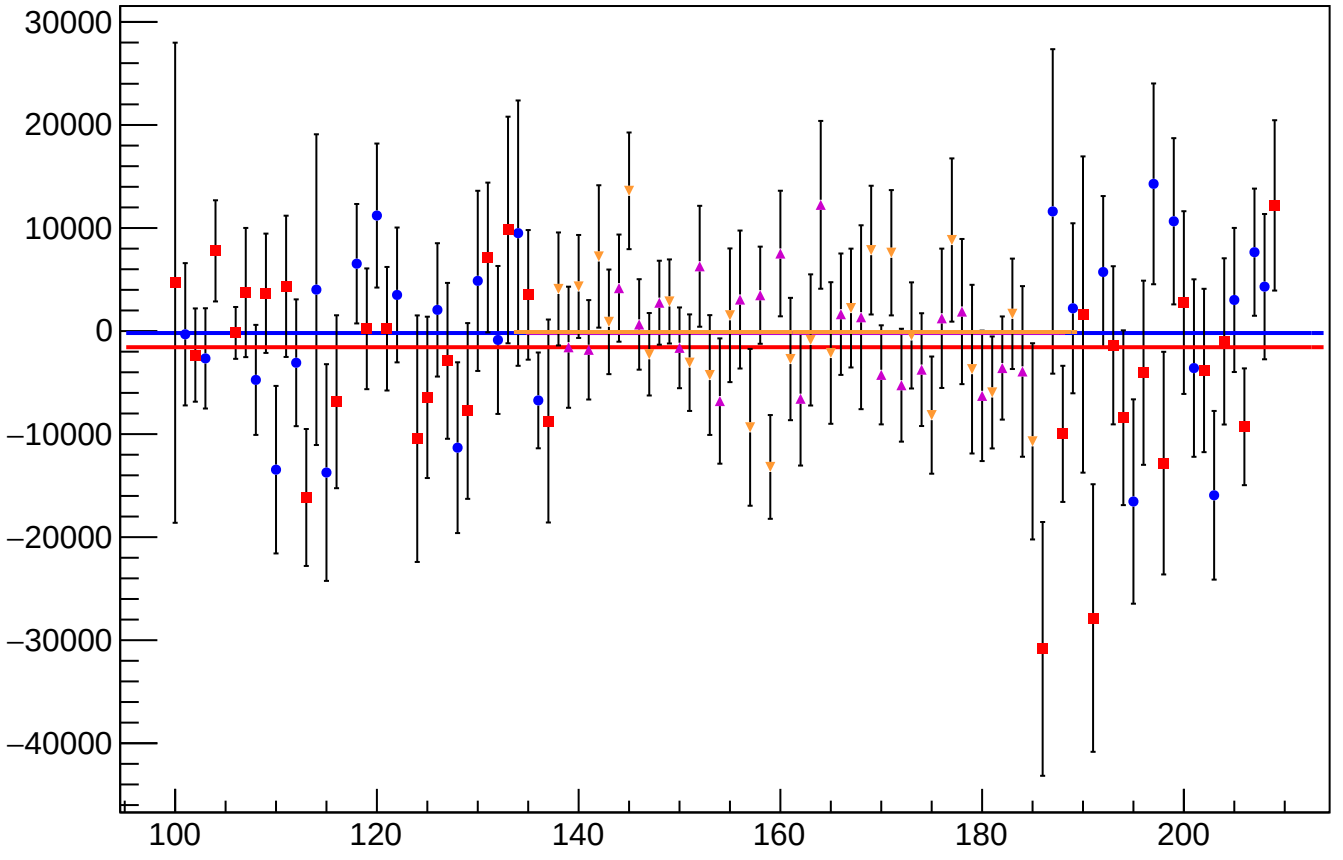
Left: 1884.142+/-0.217 χ^2/NDF: 51251.1/47

Right: 1981.373+/-0.247 χ^2/NDF: 1124709.4/58

In: 1923.213+/-0.234 χ^2/NDF:753006.1/49

Out: 1929.519+/-0.228 χ^2/NDF:509938.1/56

All: 1926.453+/-0.163 χ^2/NDF: 1263317.8/10



Right In: -190.209+/-1388.632 χ^2/NDF: 28.9/26

Left Out: -91.889+/-1133.233 χ^2/NDF:28.1/24

Right Out: -1566.282+/-1179.160 χ^2/NDF: 35.1/31

Left In: -177.137+/-1156.061 χ^2/NDF:13.5/22

Left: -133.663+/-809.267 χ^2/NDF: 41.6/47

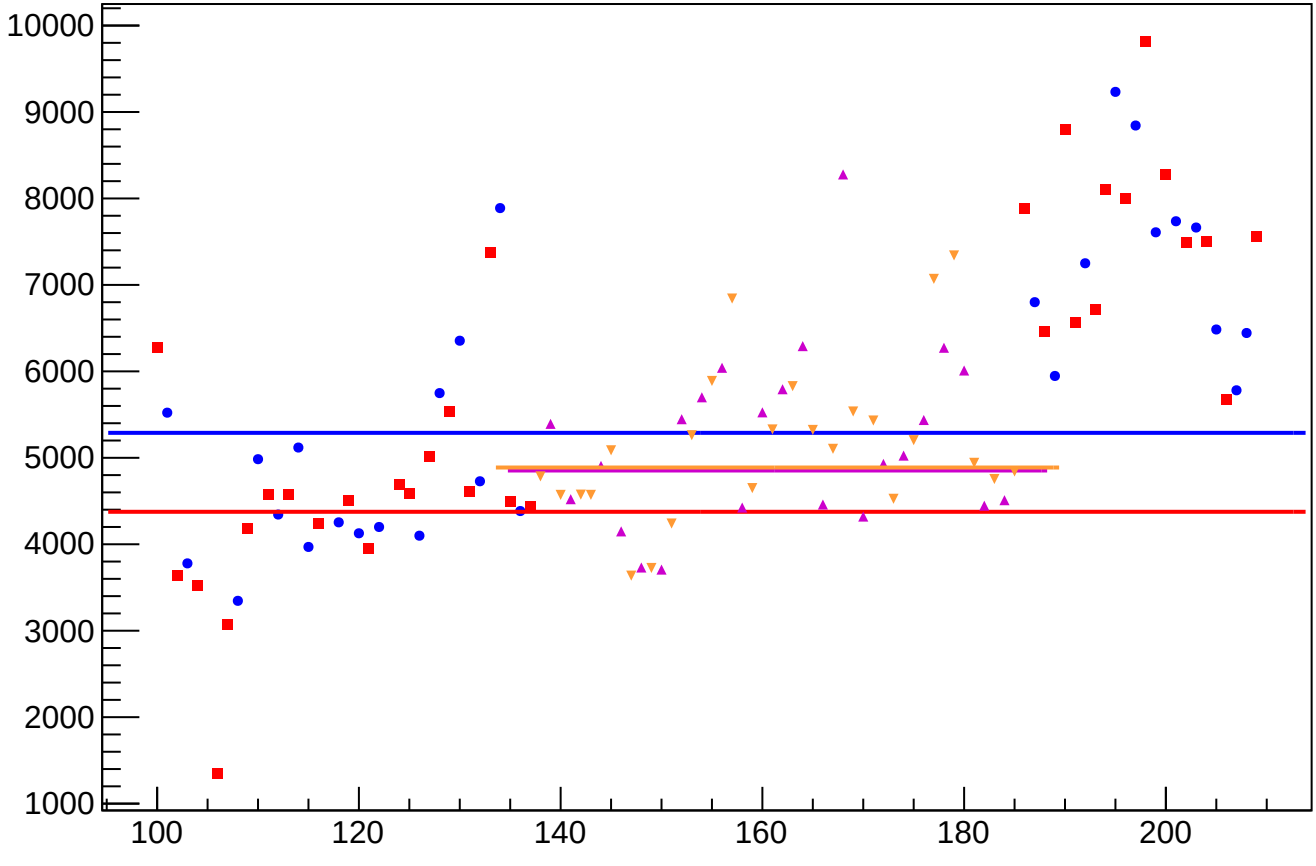
Right: -989.759+/-898.824 χ^2/NDF: 64.5/58

In: -182.488+/-888.467 χ^2/NDF:42.4/49

Out: -799.814+/-817.071 χ^2/NDF:64.0/56

All: -516.948+/-601.415 χ^2/NDF: 106.6/106

asym_atr_avg_dit_correction_rms vs Slug, Sign Corrected



Right In: 5288.844+/-0.982 χ^2/NDF: 2364546.5/26

Left Out: 4887.823+/-0.801 χ^2/NDF:1063298.6/24

Right Out: 4375.610+/-0.834 χ^2/NDF: 6729336.3/31

Left In: 4853.363+/-0.817 χ^2/NDF:1178636.9/22

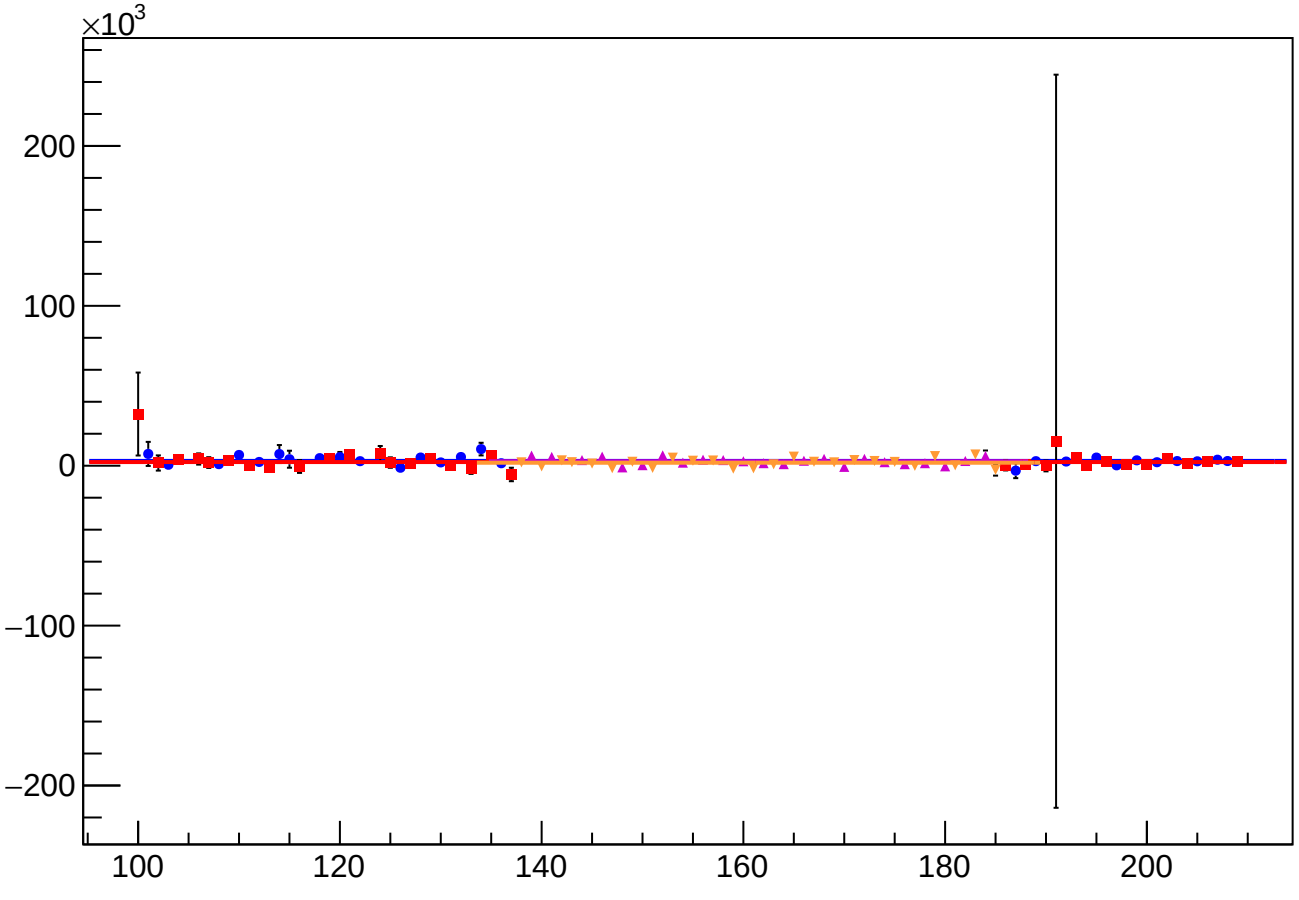
Left: 4870.937+/-0.572 χ^2/NDF: 2242841.7/47

Right: 4758.221+/-0.636 χ^2/NDF: 9596485.2/58

In: 5031.633+/-0.628 χ^2/NDF:3659359.2/49

Out: 4641.885+/-0.578 χ^2/NDF:7988820.2/56

All: 4820.472+/-0.425 χ^2/NDF: 11856697.5/1



Right In: 3009.287+/-502.803 χ^2/NDF: 16.7/26

Left Out: 1880.922+/-428.981 χ^2/NDF:32.9/24

Right Out: 2293.738+/-486.733 χ^2/NDF: 23.5/31

Left In: 2798.435+/-439.234 χ^2/NDF:25.4/22

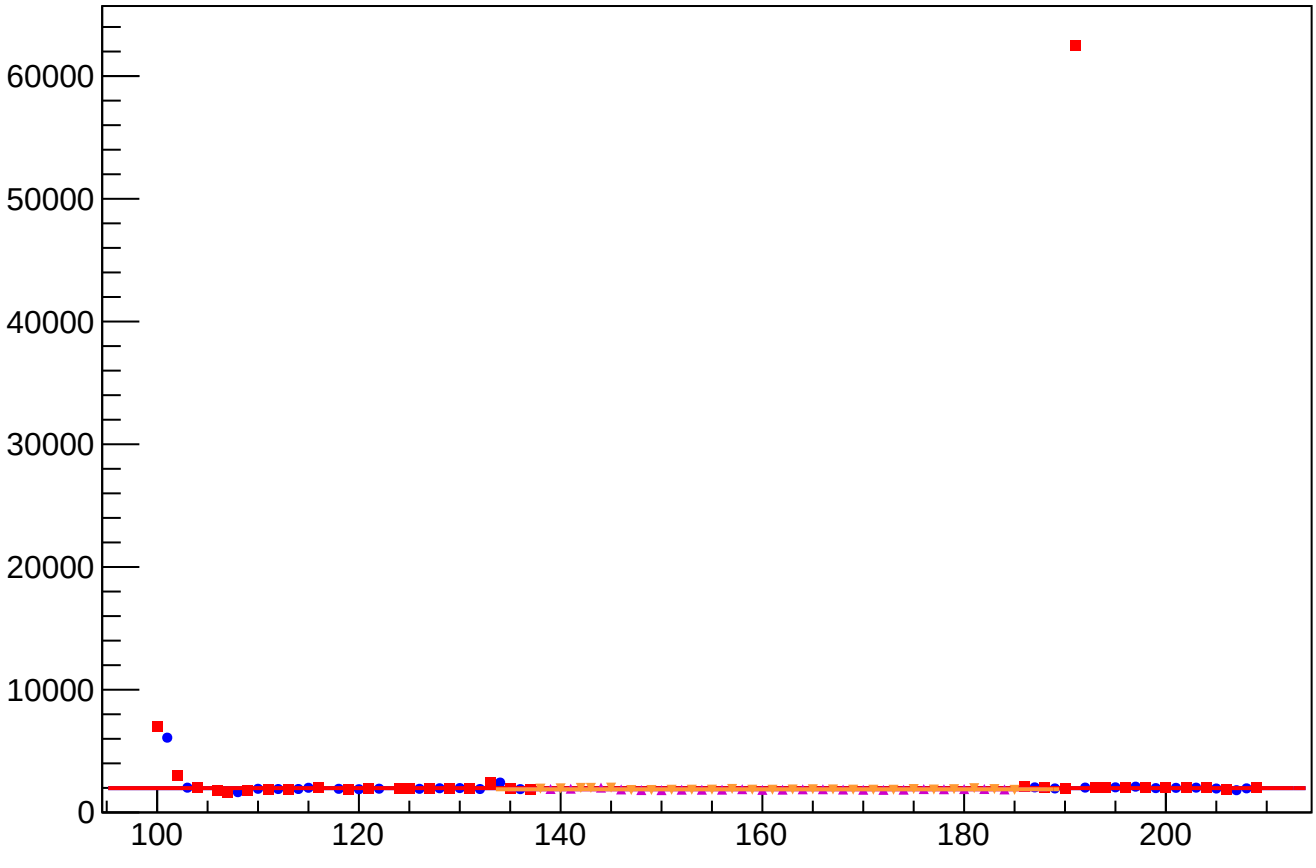
Left: 2328.844+/-306.896 χ^2/NDF: 60.6/47

Right: 2639.894+/-349.715 χ^2/NDF: 41.2/58

In: 2889.697+/-330.792 χ^2/NDF:42.2/49

Out: 2061.398+/-321.826 χ^2/NDF:56.8/56

All: 2464.170+/-230.670 χ^2/NDF: 102.3/106



Right In: 1979.085+/-0.356 χ^2/NDF: 690426.1/26

Left Out: 1887.546+/-0.303 χ^2/NDF:31955.8/24

Right Out: 1983.514+/-0.344 χ^2/NDF: 434202.9/31

Left In: 1880.576+/-0.311 χ^2/NDF:19037.6/22

Left: 1884.143+/-0.217 χ^2/NDF: 51251.1/47

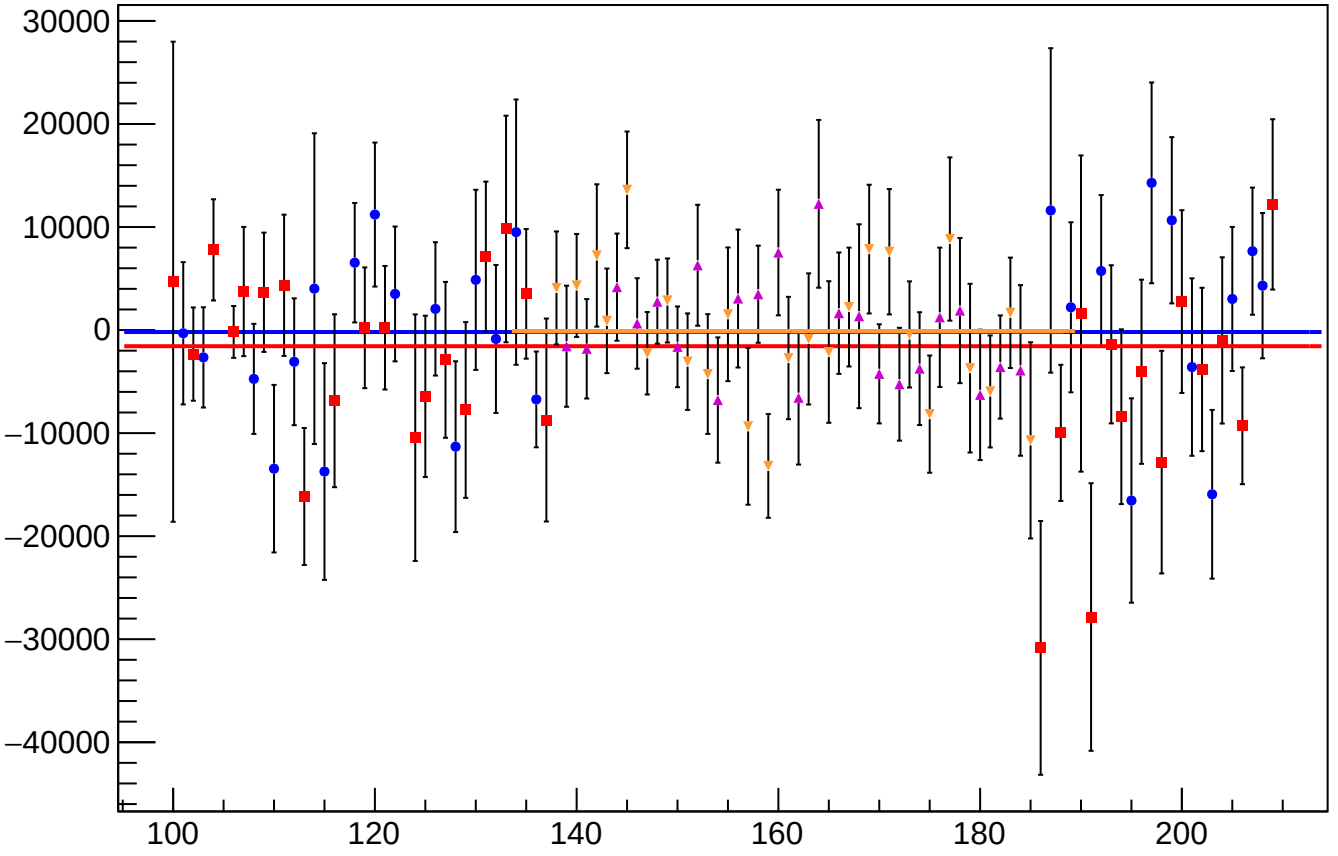
Right: 1981.372+/-0.247 χ^2/NDF: 1124709.1/58

In: 1923.213+/-0.234 χ^2/NDF:753005.4/49

Out: 1929.520+/-0.228 χ^2/NDF:509937.2/56

All: 1926.453+/-0.163 χ^2/NDF: 1263316.1/10

asym_atr_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -190.200+/-1388.631 χ^2/NDF: 28.9/26

Left Out: -91.892+/-1133.235 χ^2/NDF:28.1/24

Right Out: -1566.278+/-1179.158 χ^2/NDF: 35.1/31

Left In: -177.140+/-1156.062 χ^2/NDF:13.5/22

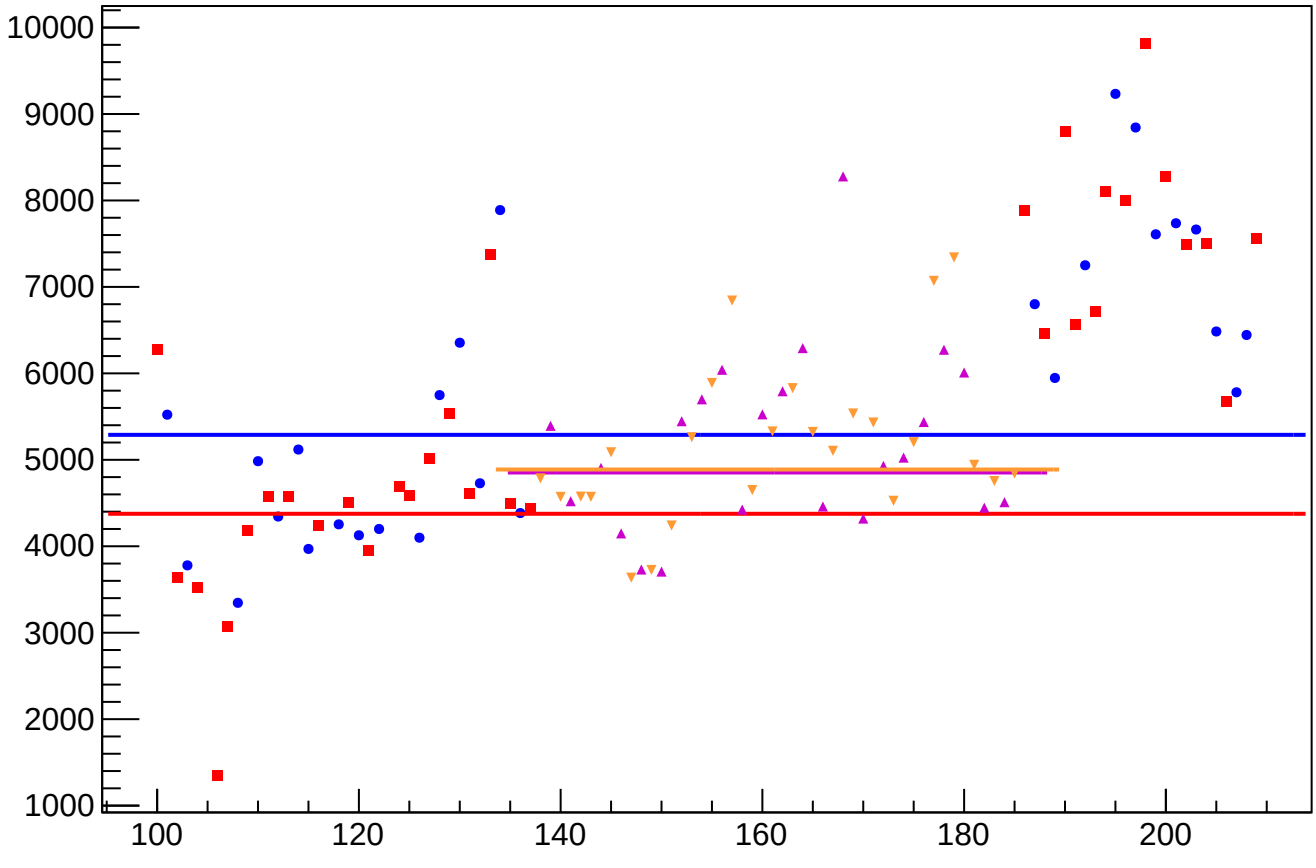
Left: -133.666+/-809.268 χ^2/NDF: 41.6/47

Right: -989.754+/-898.823 χ^2/NDF: 64.5/58

In: -182.486+/-888.467 χ^2/NDF:42.4/49

Out: -799.816+/-817.071 χ^2/NDF:64.0/56

All: -516.948+/-601.415 χ^2/NDF: 106.6/106



Right In: 5288.839+/-0.982 χ^2/NDF: 2364564.1/26

Left Out: 4887.830+/-0.801 χ^2/NDF:1063300.0/24

Right Out: 4375.601+/-0.834 χ^2/NDF: 6729372.7/31

Left In: 4853.371+/-0.817 χ^2/NDF:1178639.4/22

Left: 4870.944+/-0.572 χ^2/NDF: 2242845.7/47

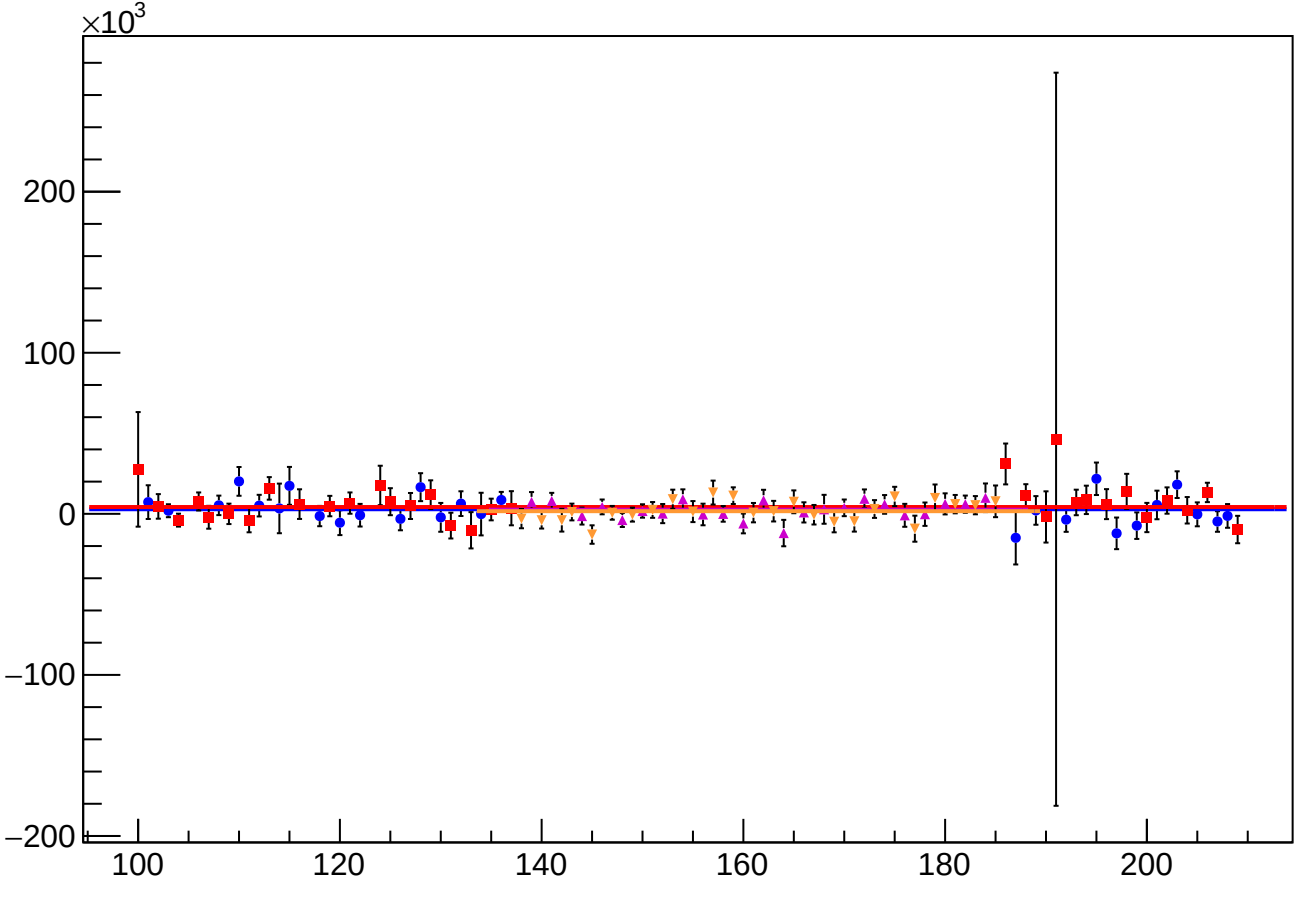
Right: 4758.213+/-0.636 χ^2/NDF: 9596544.2/58

In: 5031.635+/-0.628 χ^2/NDF:3659372.5/49

Out: 4641.884+/-0.578 χ^2/NDF:7988870.8/56

All: 4820.473+/-0.425 χ^2/NDF: 11856765.2/1

asym_atr_avg_mean vs Slug, Sign Corrected



Right In: 2855.467+/-1455.553 χ^2/NDF: 27.4/26

Left Out: 1654.615+/-1178.652 χ^2/NDF:26.0/24

Right Out: 4223.084+/-1385.401 χ^2/NDF: 28.9/31

Left In: 2563.603+/-1204.450 χ^2/NDF:16.0/22

Left: 2099.270+/-842.406 χ^2/NDF: 42.2/47

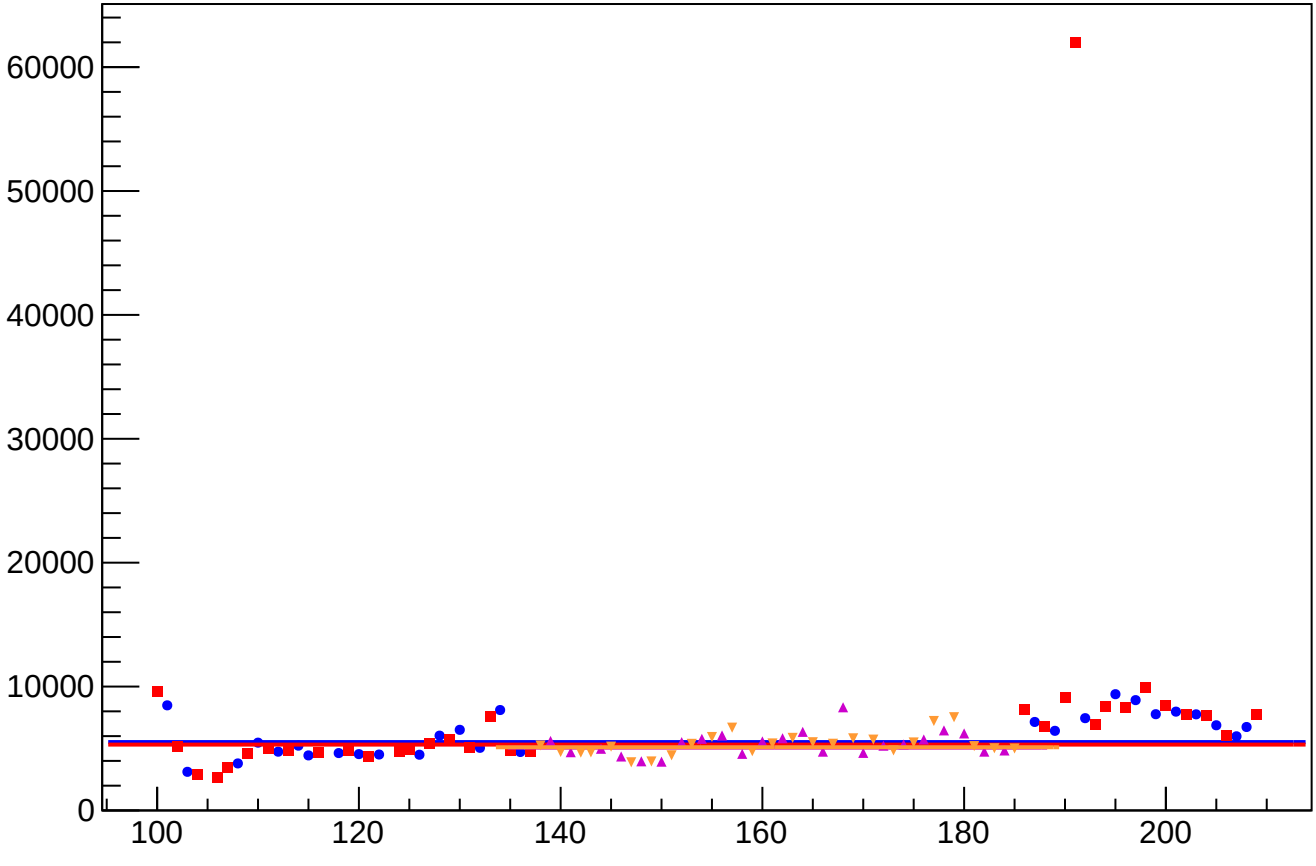
Right: 3573.026+/-1003.511 χ^2/NDF: 56.8/58

In: 2682.227+/-927.947 χ^2/NDF:43.4/49

Out: 2733.083+/-897.722 χ^2/NDF:56.9/56

All: 2708.496+/-645.206 χ^2/NDF: 100.3/106

asym_atr_avg_rms vs Slug, Sign Corrected



Right In: 5518.807+/-1.029 χ^2/NDF: 2681487.3/26

Left Out: 5100.641+/-0.833 χ^2/NDF:909330.5/24

Right Out: 5316.103+/-0.974 χ^2/NDF: 3752952.4/31

Left In: 5073.543+/-0.852 χ^2/NDF:991915.5/22

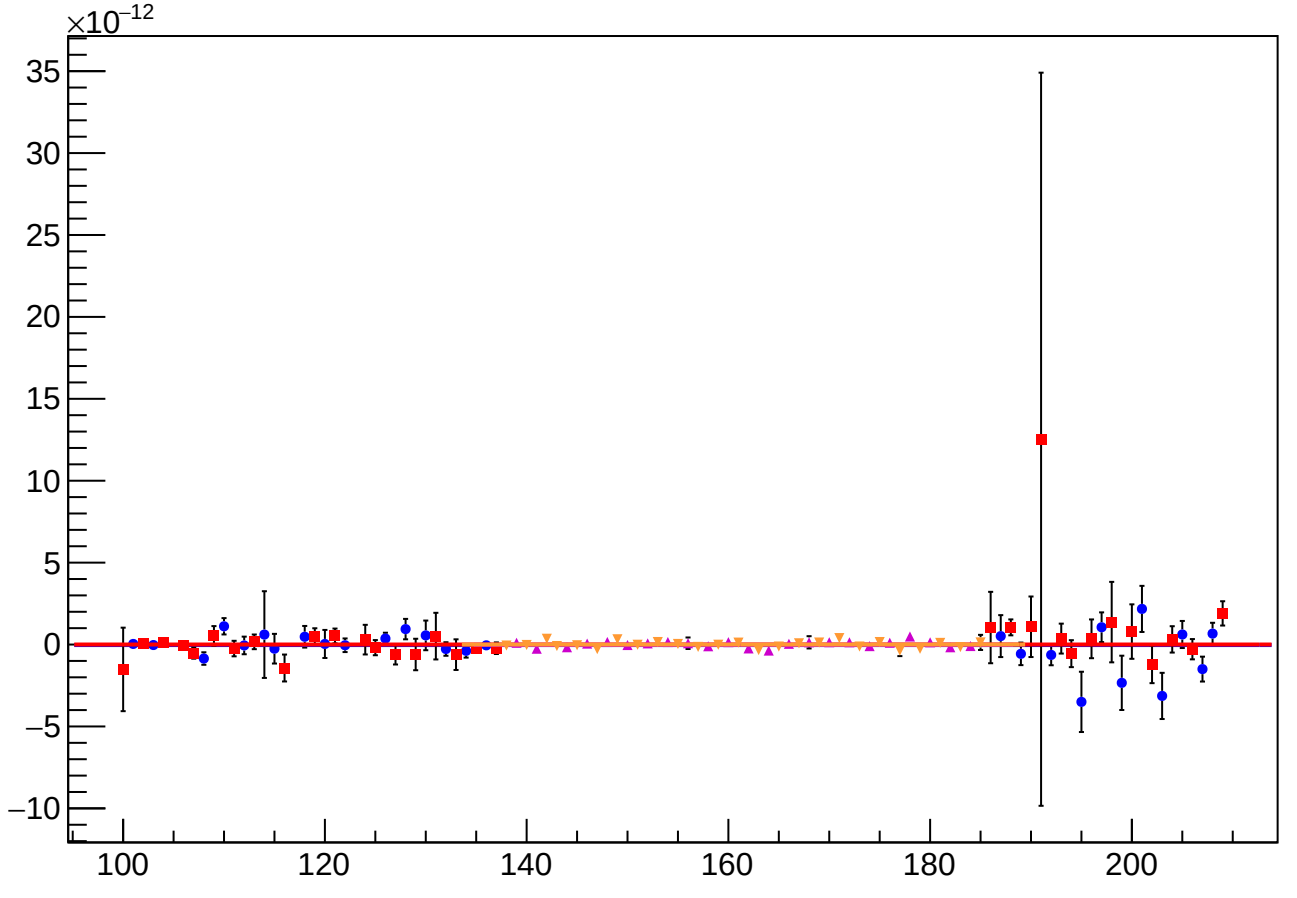
Left: 5087.385+/-0.596 χ^2/NDF: 1901763.2/47

Right: 5411.848+/-0.707 χ^2/NDF: 6454906.7/58

In: 5254.513+/-0.656 χ^2/NDF:3784493.6/49

Out: 5191.740+/-0.633 χ^2/NDF:4690541.0/56

All: 5222.009+/-0.456 χ^2/NDF: 8479773.8/10



Right In: -0.000+/-0.000 χ^2/NDF: 37.4/26

Left Out: 0.000+/-0.000 χ^2/NDF:33.3/24

Right Out: 0.000+/-0.000 χ^2/NDF: 30.1/31

Left In: -0.000+/-0.000 χ^2/NDF:32.4/22

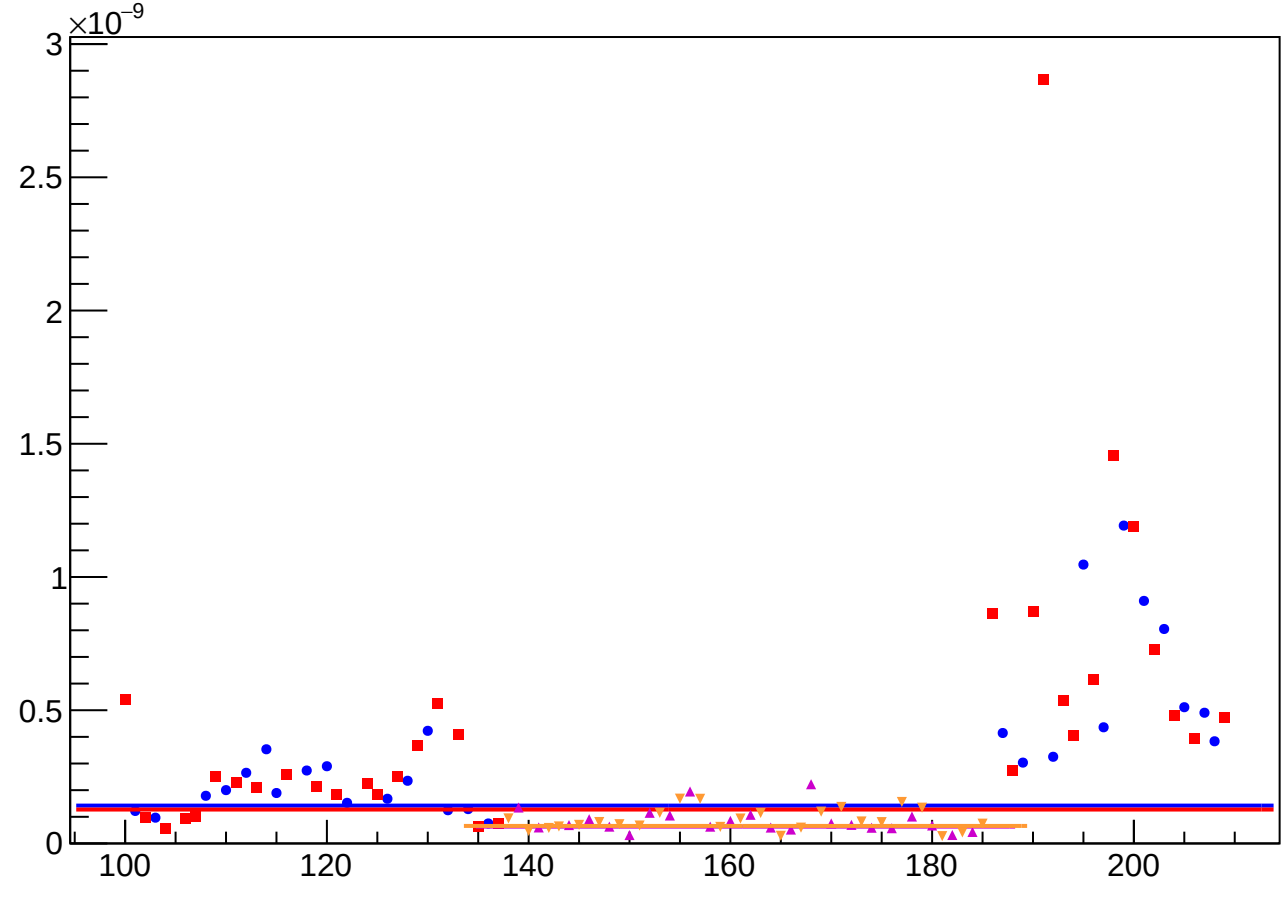
Left: -0.000+/-0.000 χ^2/NDF: 65.9/47

Right: -0.000+/-0.000 χ^2/NDF: 67.5/58

In: -0.000+/-0.000 χ^2/NDF:69.8/49

Out: 0.000+/-0.000 χ^2/NDF:63.3/56

All: -0.000+/-0.000 χ^2/NDF: 133.5/106



Right In: 0.000+/-0.000 χ^2/NDF: 5311974.7/26

Left Out: 0.000+/-0.000 χ^2/NDF:2472657.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 6989137.2/31

Left In: 0.000+/-0.000 χ^2/NDF:2196878.1/22

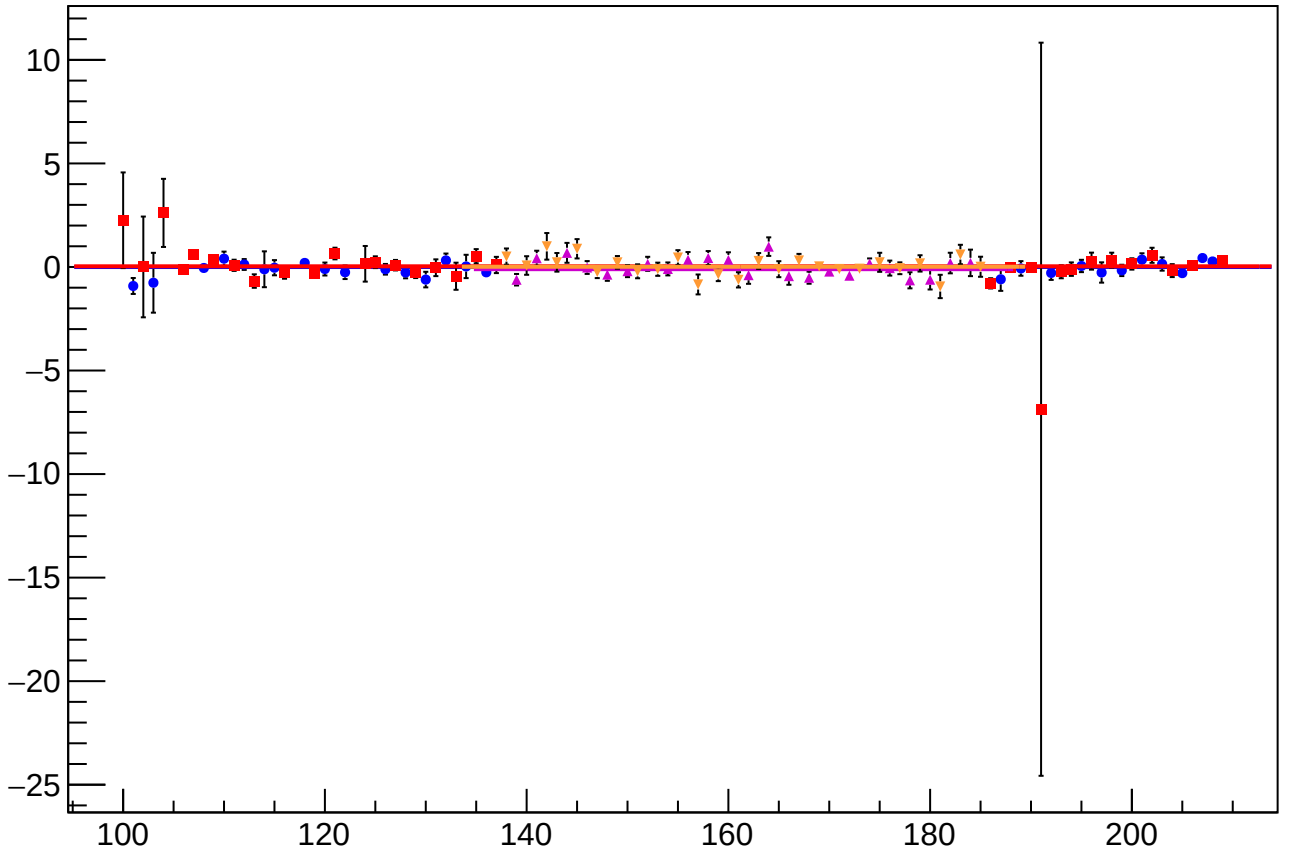
Left: 0.000+/-0.000 χ^2/NDF: 4678116.7/47

Right: 0.000+/-0.000 χ^2/NDF: 12344231.1/58

In: 0.000+/-0.000 χ^2/NDF:9569024.2/49

Out: 0.000+/-0.000 χ^2/NDF:10802708.9/56

All: 0.000+/-0.000 χ^2/NDF: 20373079.4/106



Right In: -0.002+/-0.056 χ^2/NDF: 29.5/26

Left Out: 0.012+/-0.068 χ^2/NDF:25.2/24

Right Out: 0.033+/-0.049 χ^2/NDF: 46.8/31

Left In: -0.105+/-0.069 χ^2/NDF:31.4/22

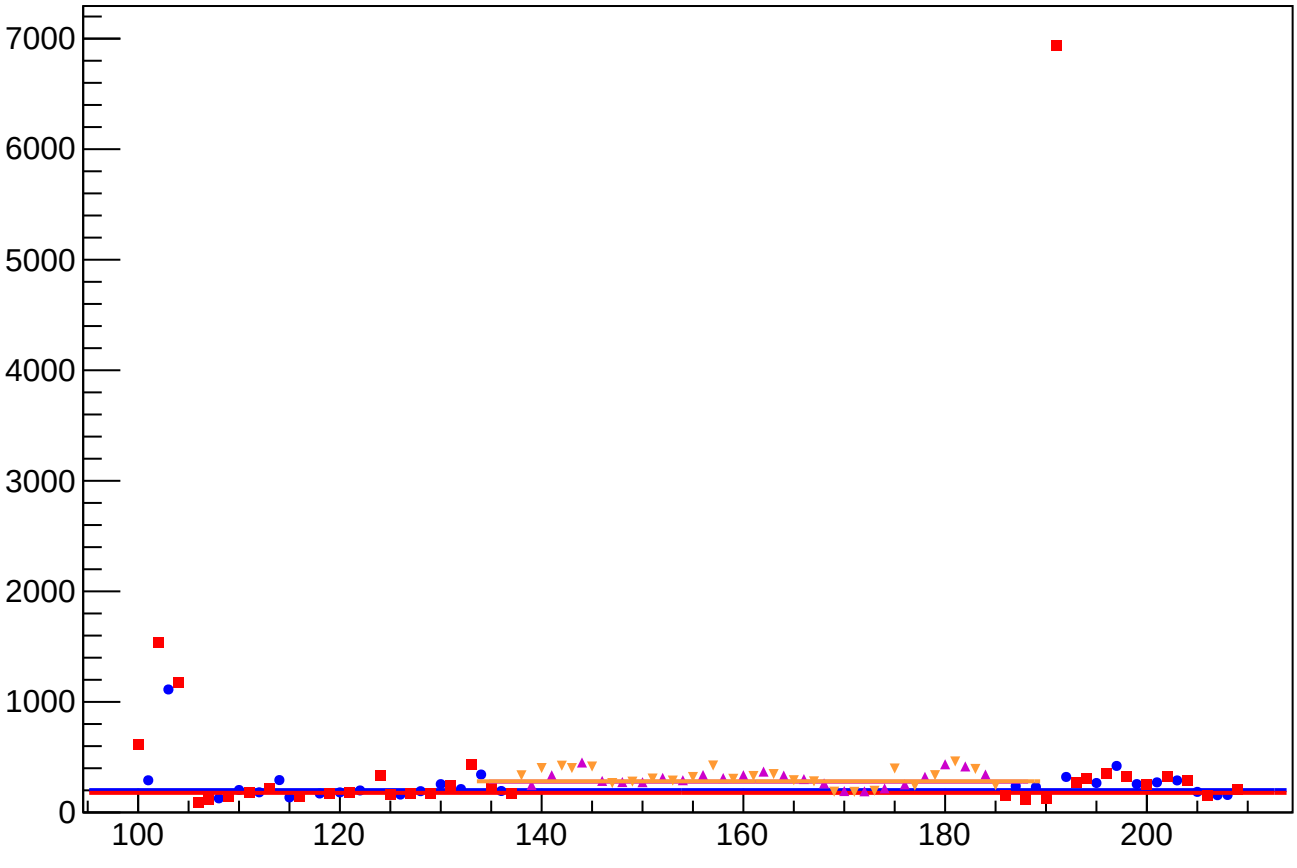
Left: -0.046+/-0.048 χ^2/NDF: 58.1/47

Right: 0.018+/-0.037 χ^2/NDF: 76.5/58

In: -0.043+/-0.043 χ^2/NDF:62.3/49

Out: 0.026+/-0.040 χ^2/NDF:72.1/56

All: -0.006+/-0.029 χ^2/NDF: 135.7/106



Right In: 202.020+/-0.039 χ^2/NDF: 2888400.4/26

Left Out: 281.818+/-0.048 χ^2/NDF:2520824.2/24

Right Out: 177.288+/-0.035 χ^2/NDF: 5505591.2/31

Left In: 278.409+/-0.049 χ^2/NDF:1799690.4/22

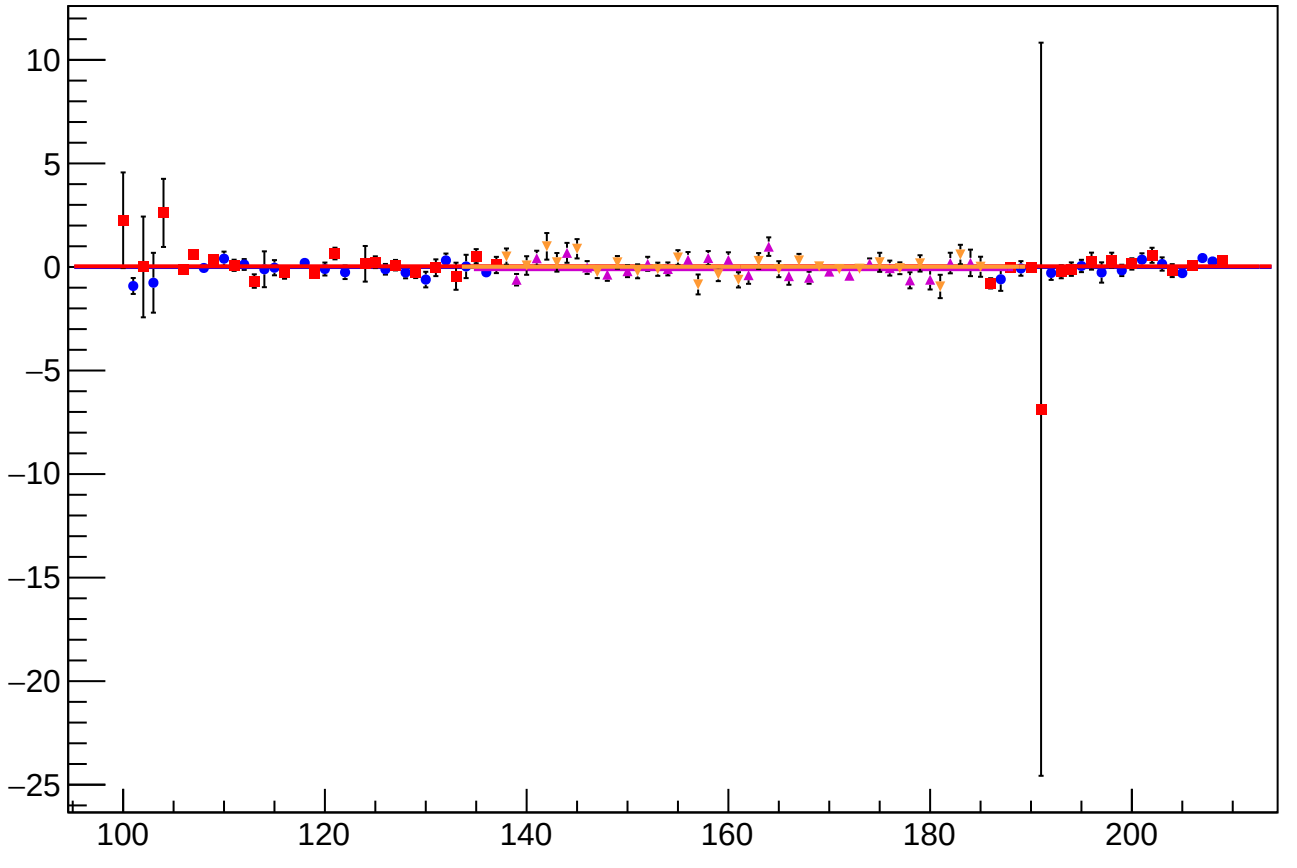
Left: 280.127+/-0.034 χ^2/NDF: 4323003.2/47

Right: 188.125+/-0.026 χ^2/NDF: 8617053.1/58

In: 232.245+/-0.031 χ^2/NDF:6186942.3/49

Out: 213.003+/-0.028 χ^2/NDF:11133404.8/56

All: 221.842+/-0.021 χ^2/NDF: 17535370.0/10



Right In: -0.002+/-0.056 χ^2/NDF: 29.5/26

Left Out: 0.012+/-0.068 χ^2/NDF:25.2/24

Right Out: 0.033+/-0.049 χ^2/NDF: 46.8/31

Left In: -0.105+/-0.069 χ^2/NDF:31.4/22

Left: -0.046+/-0.048 χ^2/NDF: 58.1/47

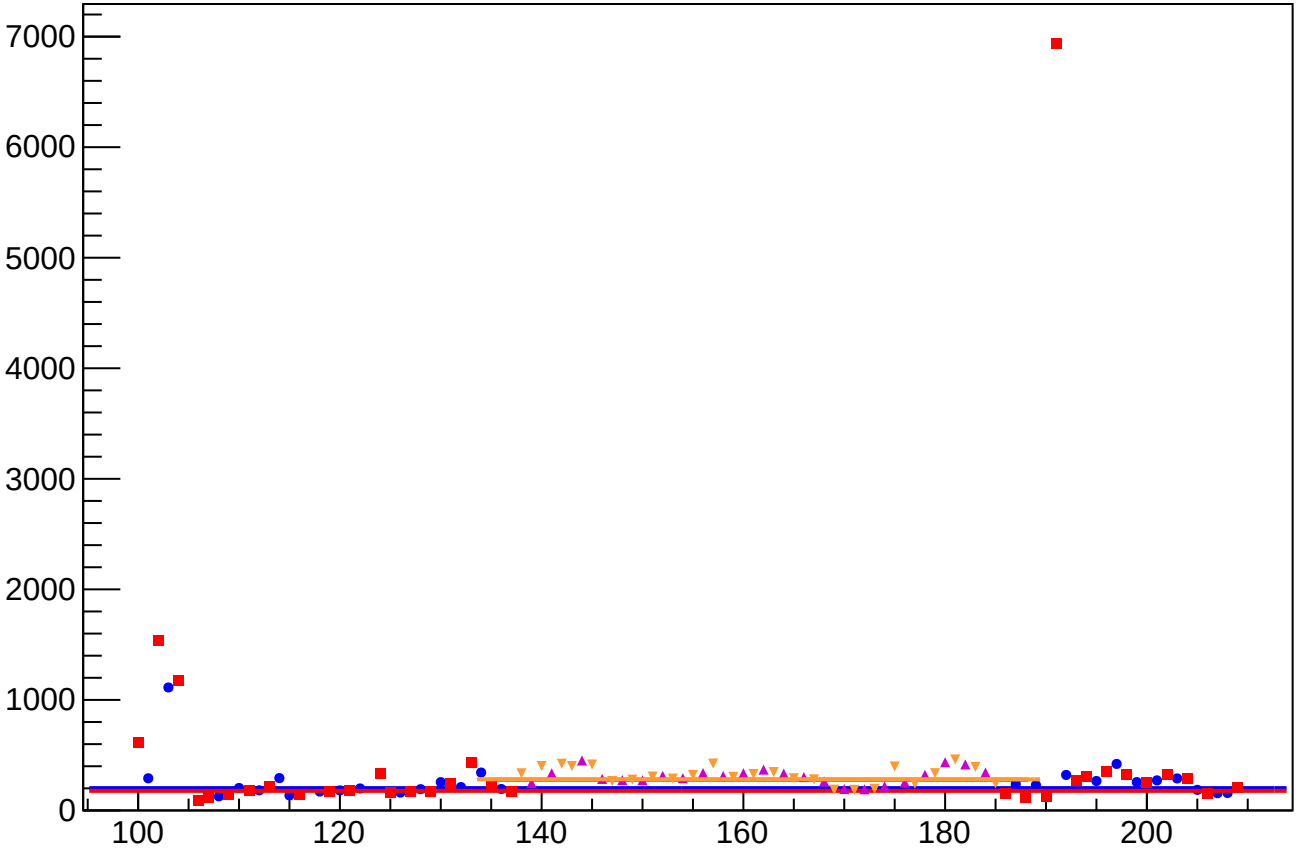
Right: 0.018+/-0.037 χ^2/NDF: 76.5/58

In: -0.043+/-0.043 χ^2/NDF:62.3/49

Out: 0.026+/-0.040 χ^2/NDF:72.1/56

All: -0.006+/-0.029 χ^2/NDF: 135.7/106

asym_atr_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 202.020+/-0.039 χ^2/NDF: 2888400.4/26

Left Out: 281.818+/-0.048 χ^2/NDF:2520824.2/24

Right Out: 177.288+/-0.035 χ^2/NDF: 5505591.2/31

Left In: 278.409+/-0.049 χ^2/NDF:1799690.4/22

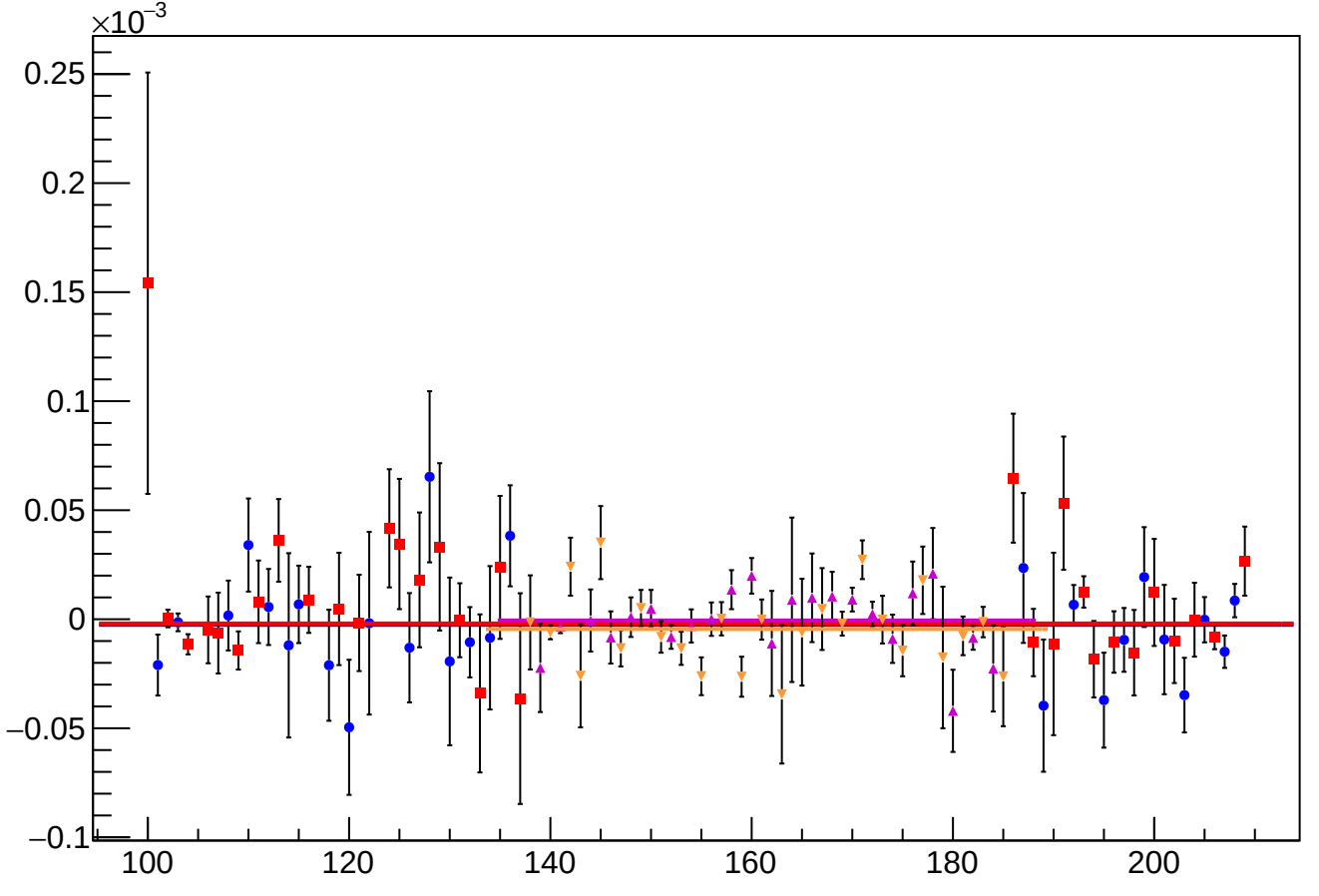
Left: 280.127+/-0.034 χ^2/NDF: 4323003.2/47

Right: 188.125+/-0.026 χ^2/NDF: 8617053.1/58

In: 232.245+/-0.031 χ^2/NDF:6186942.3/49

Out: 213.003+/-0.028 χ^2/NDF:11133404.8/56

All: 221.842+/-0.021 χ^2/NDF: 17535370.0/10



Right In: -0.000+/-0.000 χ^2/NDF: 30.3/26

Left Out: -0.000+/-0.000 χ^2/NDF:46.4/24

Right Out: -0.000+/-0.000 χ^2/NDF: 41.0/31

Left In: -0.000+/-0.000 χ^2/NDF:29.1/22

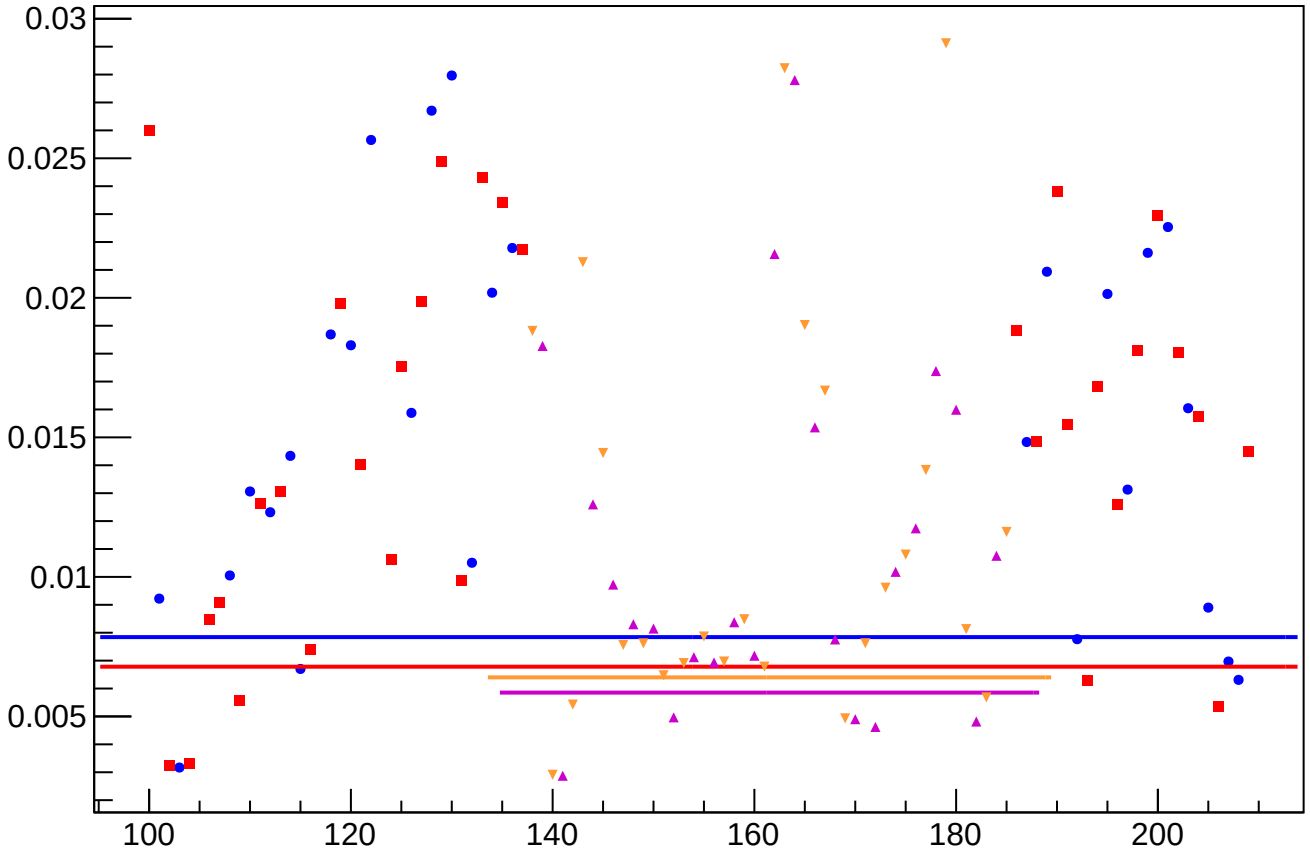
Left: -0.000+/-0.000 χ^2/NDF: 78.2/47

Right: -0.000+/-0.000 χ^2/NDF: 71.3/58

In: -0.000+/-0.000 χ^2/NDF:59.8/49

Out: -0.000+/-0.000 χ^2/NDF:88.3/56

All: -0.000+/-0.000 χ^2/NDF: 149.5/106



Right In: 0.008+/-0.000 χ^2/NDF: 9572303.8/26

Left Out: 0.006+/-0.000 χ^2/NDF:8964265.3/24

Right Out: 0.007+/-0.000 χ^2/NDF: 12082816.7/31

Left In: 0.006+/-0.000 χ^2/NDF:8144305.6/22

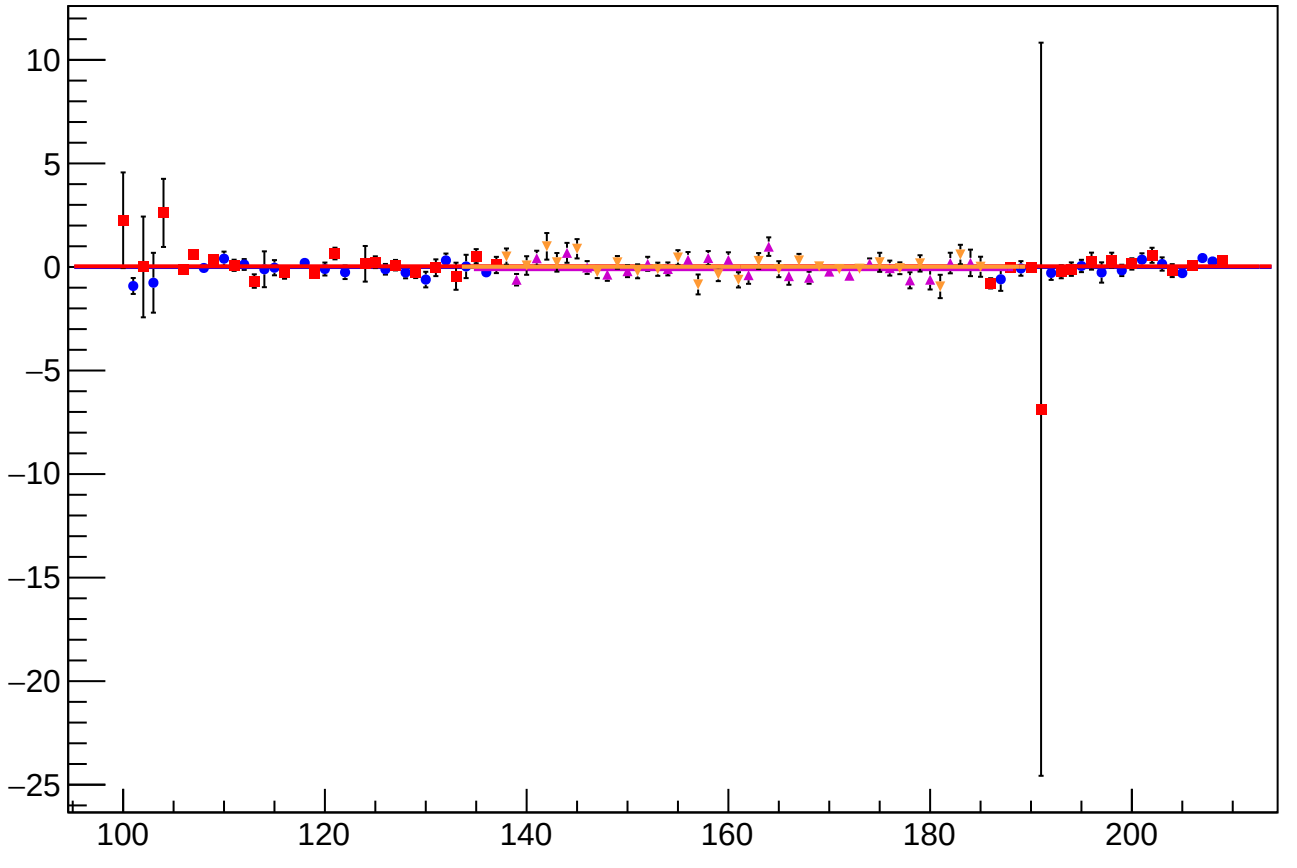
Left: 0.006+/-0.000 χ^2/NDF: 17214563.0/47

Right: 0.007+/-0.000 χ^2/NDF: 21871849.0/58

In: 0.006+/-0.000 χ^2/NDF:18616290.6/49

Out: 0.007+/-0.000 χ^2/NDF:21087581.1/56

All: 0.007+/-0.000 χ^2/NDF: 39709194.2/106



Right In: -0.002+/-0.056 χ^2/NDF: 29.5/26

Left Out: 0.012+/-0.068 χ^2/NDF:25.2/24

Right Out: 0.033+/-0.049 χ^2/NDF: 46.8/31

Left In: -0.105+/-0.069 χ^2/NDF:31.4/22

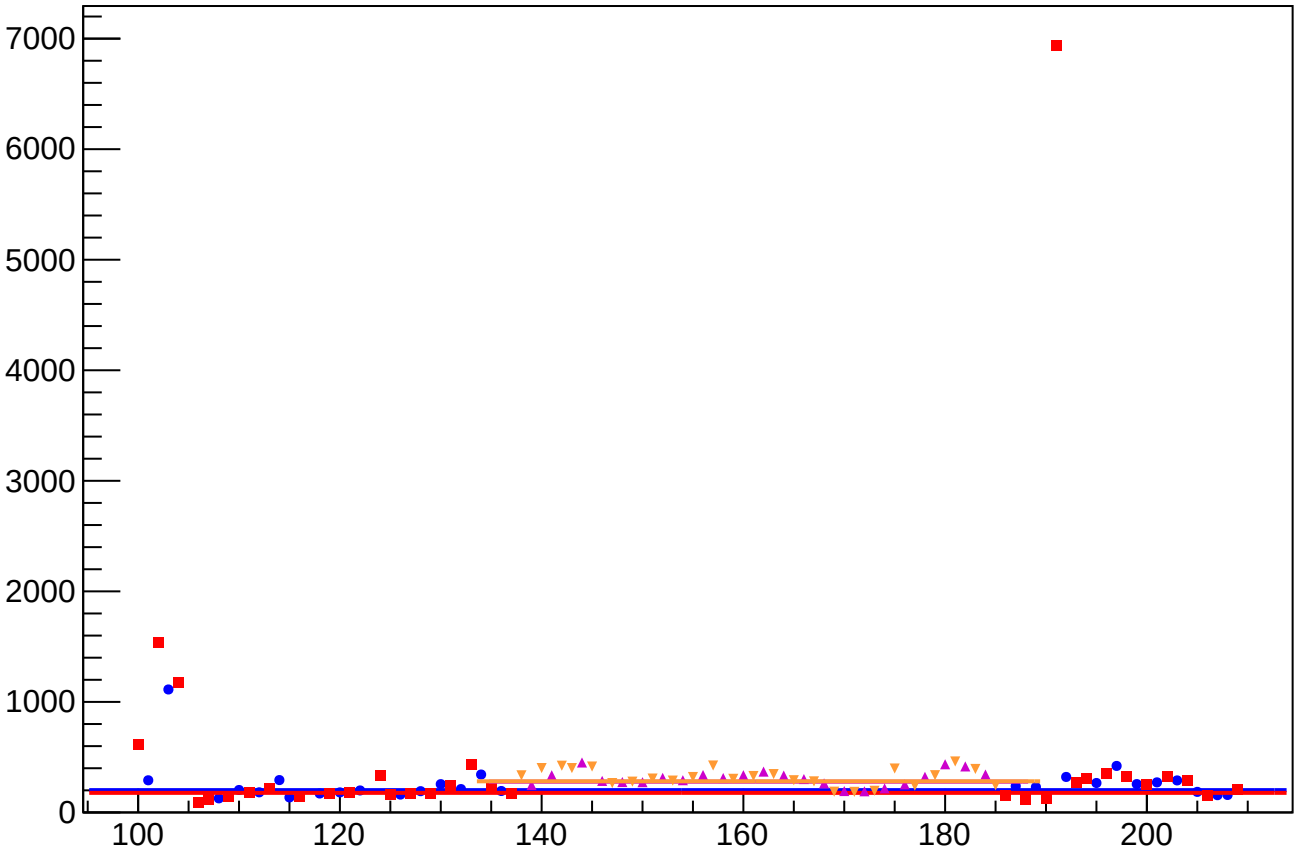
Left: -0.046+/-0.048 χ^2/NDF: 58.1/47

Right: 0.018+/-0.037 χ^2/NDF: 76.5/58

In: -0.043+/-0.043 χ^2/NDF:62.3/49

Out: 0.026+/-0.040 χ^2/NDF:72.1/56

All: -0.006+/-0.029 χ^2/NDF: 135.7/106



Right In: 202.019+/-0.039 χ^2/NDF: 2888416.1/26

Left Out: 281.820+/-0.048 χ^2/NDF:2520889.0/24

Right Out: 177.285+/-0.035 χ^2/NDF: 5505754.4/31

Left In: 278.412+/-0.049 χ^2/NDF:1799730.1/22

Left: 280.130+/-0.034 χ^2/NDF: 4323107.7/47

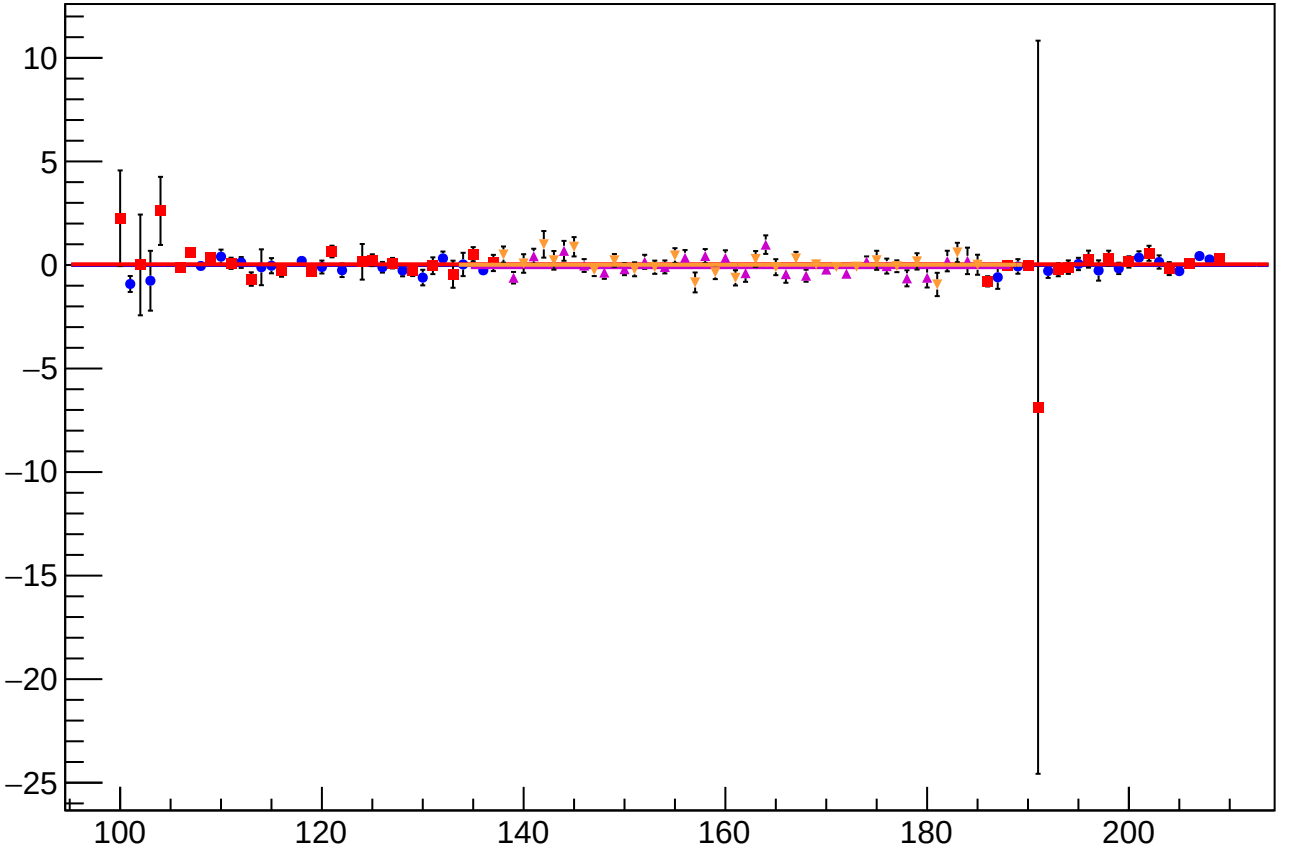
Right: 188.124+/-0.026 χ^2/NDF: 8617278.3/58

In: 232.245+/-0.031 χ^2/NDF:6187096.4/49

Out: 213.001+/-0.028 χ^2/NDF:11133936.5/56

All: 221.841+/-0.021 χ^2/NDF: 17536107.1/10

asym_atr_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.002+/-0.056 χ^2/NDF: 29.5/26

Left Out: 0.012+/-0.068 χ^2/NDF:25.2/24

Right Out: 0.033+/-0.049 χ^2/NDF: 46.8/31

Left In: -0.105+/-0.069 χ^2/NDF:31.4/22

Left: -0.046+/-0.048 χ^2/NDF: 58.1/47

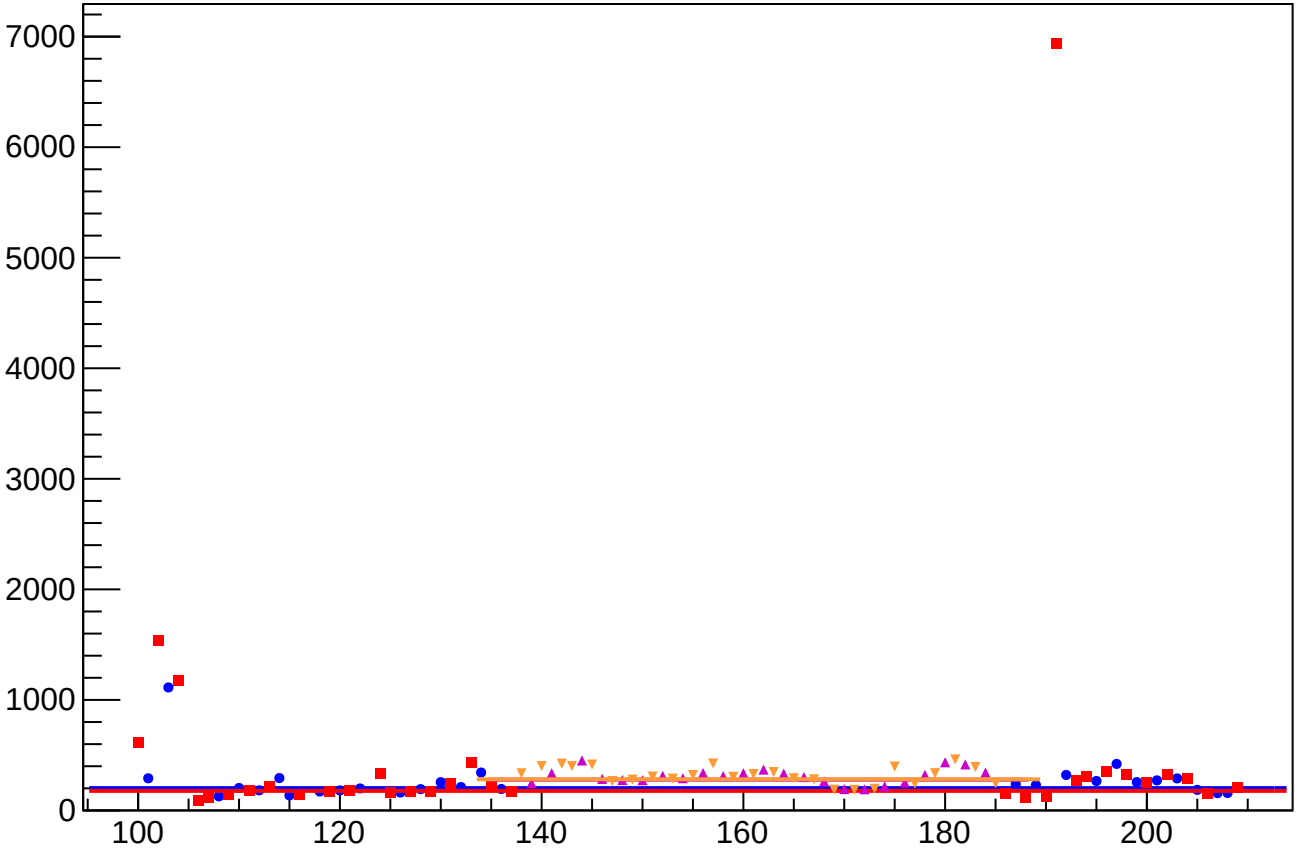
Right: 0.018+/-0.037 χ^2/NDF: 76.5/58

In: -0.043+/-0.043 χ^2/NDF:62.3/49

Out: 0.026+/-0.040 χ^2/NDF:72.1/56

All: -0.006+/-0.029 χ^2/NDF: 135.7/106

asym_atr_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 202.019+/-0.039 χ^2/NDF: 2888416.1/26

Left Out: 281.820+/-0.048 χ^2/NDF:2520889.0/24

Right Out: 177.285+/-0.035 χ^2/NDF: 5505754.4/31

Left In: 278.412+/-0.049 χ^2/NDF:1799730.1/22

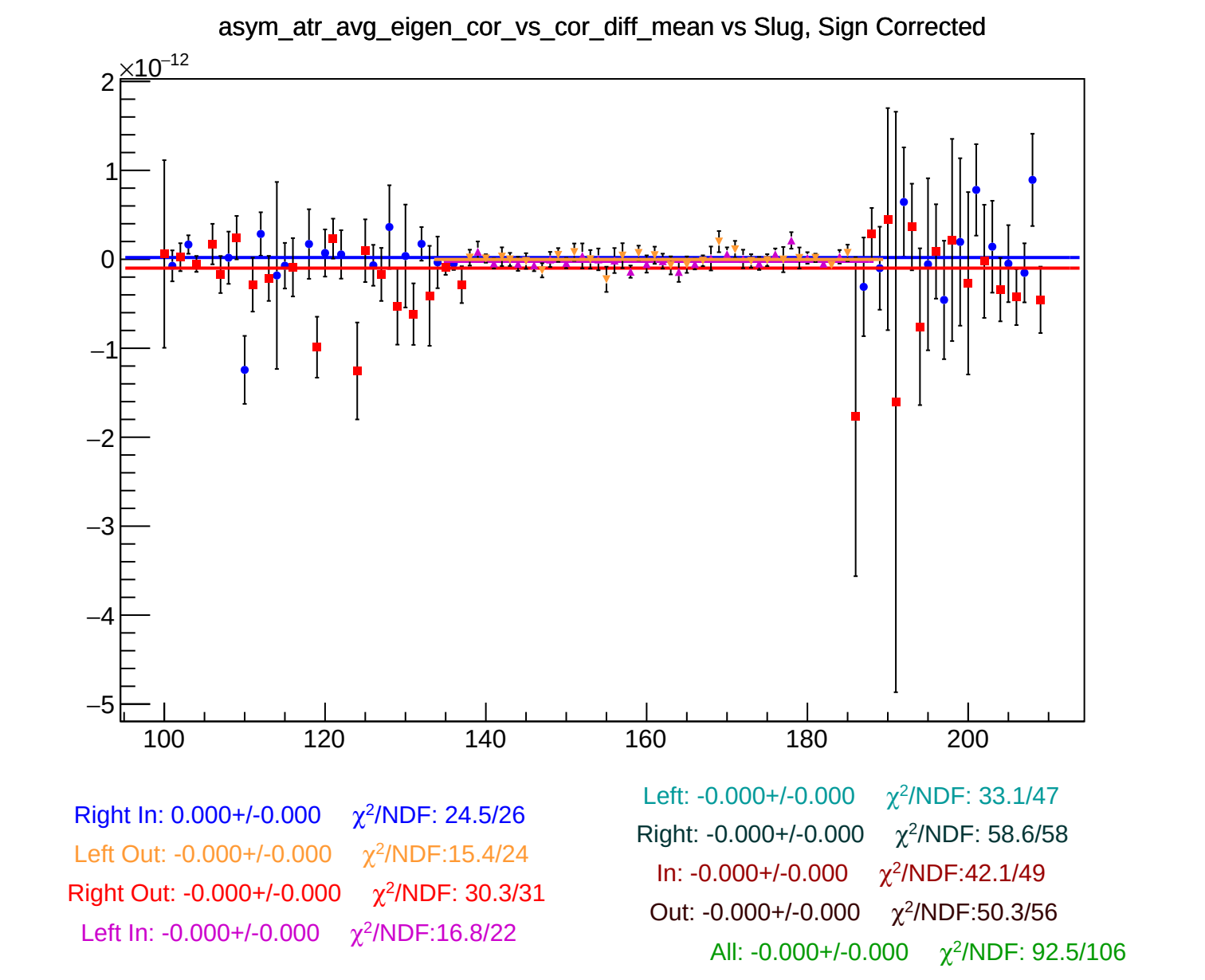
Left: 280.130+/-0.034 χ^2/NDF: 4323107.7/47

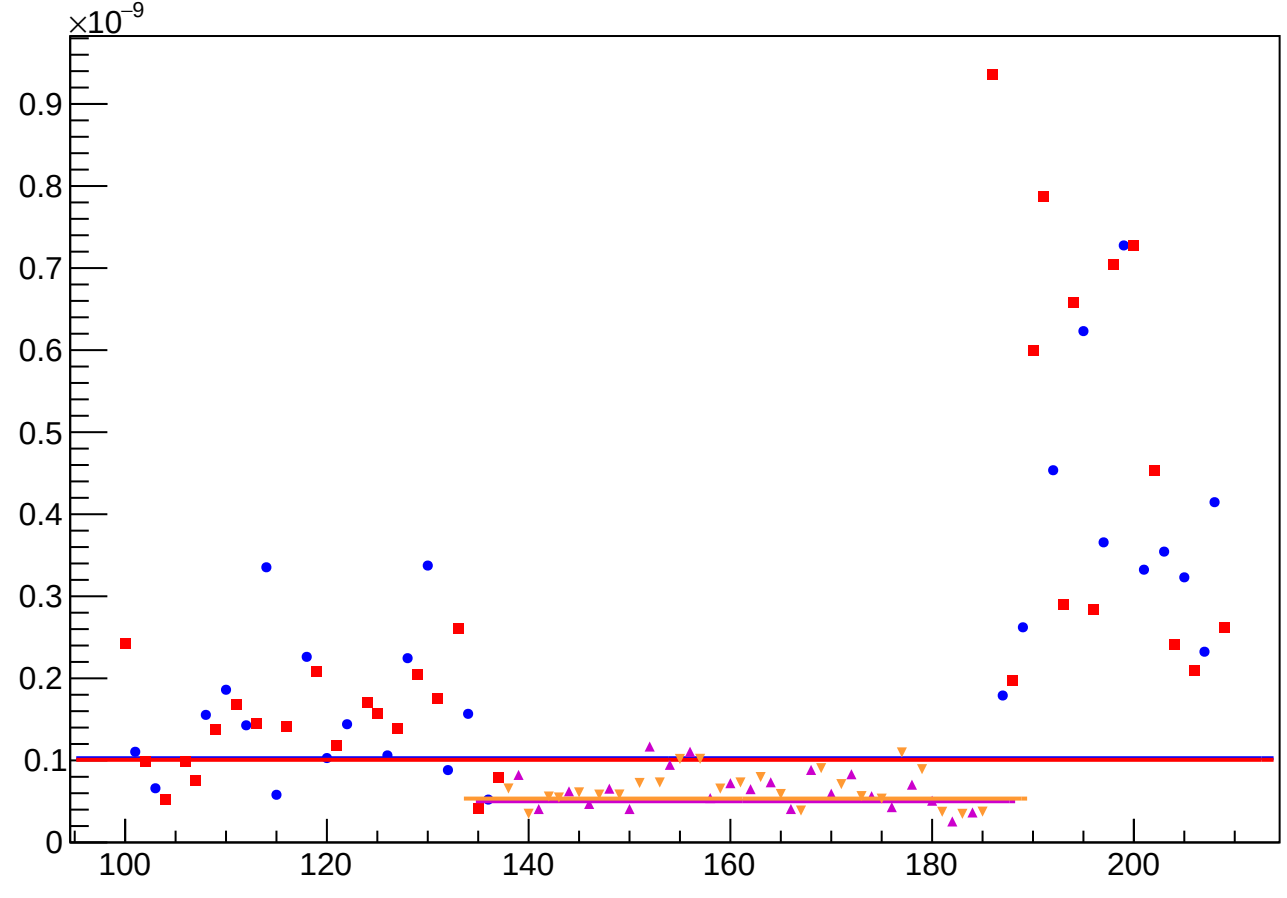
Right: 188.124+/-0.026 χ^2/NDF: 8617278.3/58

In: 232.245+/-0.031 χ^2/NDF:6187096.4/49

Out: 213.001+/-0.028 χ^2/NDF:11133936.5/56

All: 221.841+/-0.021 χ^2/NDF: 17536107.1/10


asym_atr_avg_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
2
1
0
−1
−2
−3
−4
−5
100
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 24.5/26
Left Out: -0.000+/-0.000 χ²/NDF:15.4/24
Right Out: -0.000+/-0.000 χ²/NDF: 30.3/31
Left In: -0.000+/-0.000 χ²/NDF:16.8/22
Left: -0.000+/-0.000 χ²/NDF: 33.1/47
Right: -0.000+/-0.000 χ²/NDF: 58.6/58
In: -0.000+/-0.000 χ²/NDF:42.1/49
Out: -0.000+/-0.000 χ²/NDF:50.3/56
All: -0.000+/-0.000 χ²/NDF: 92.5/106



Right In: 0.000+/-0.000 χ^2/NDF: 7574985.0/26

Left Out: 0.000+/-0.000 χ^2/NDF:2781376.7/24

Right Out: 0.000+/-0.000 χ^2/NDF: 7869408.0/31

Left In: 0.000+/-0.000 χ^2/NDF:3367886.1/22

Left: 0.000+/-0.000 χ^2/NDF: 6193032.5/47

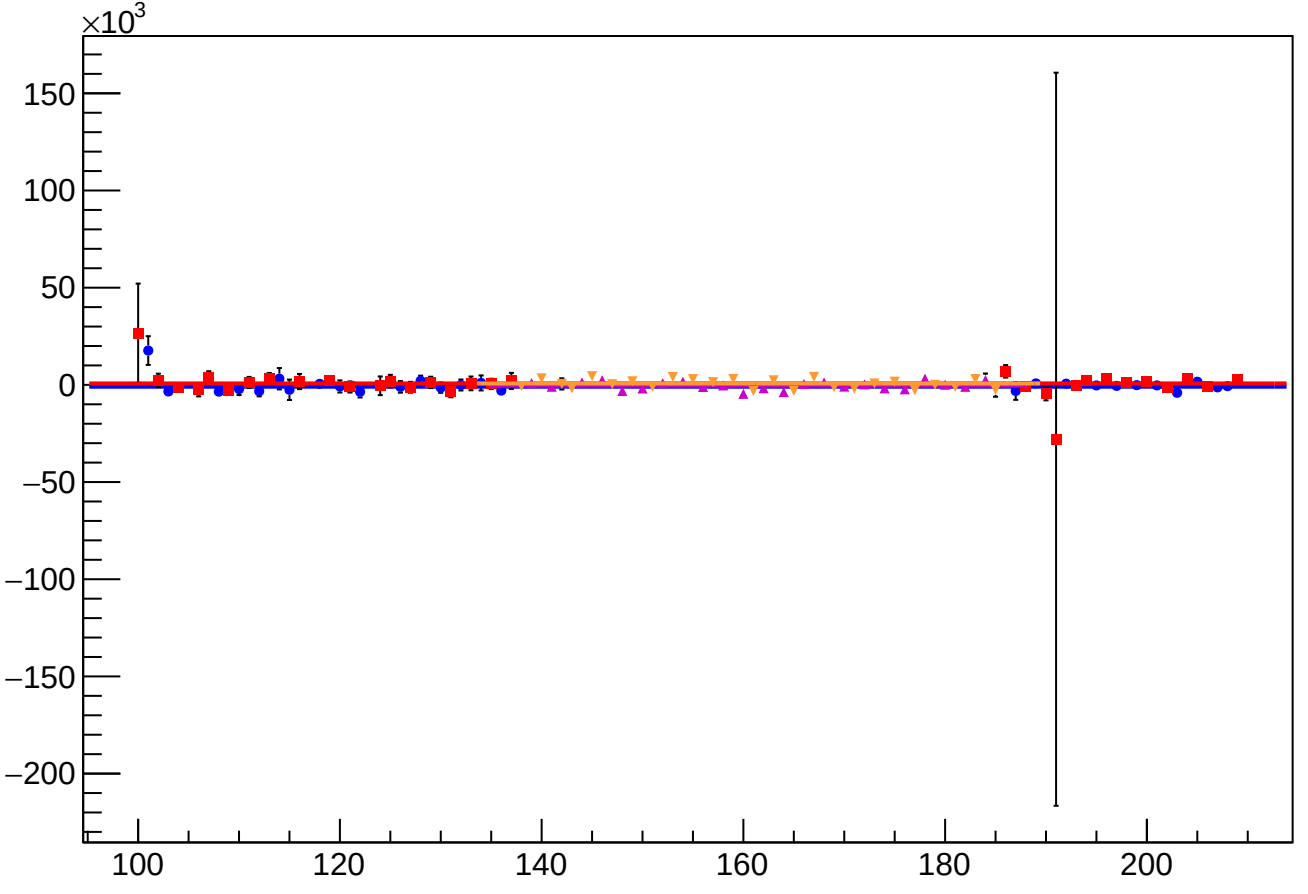
Right: 0.000+/-0.000 χ^2/NDF: 15446380.4/58

In: 0.000+/-0.000 χ^2/NDF:13498676.0/49

Out: 0.000+/-0.000 χ^2/NDF:12819113.2/56

All: 0.000+/-0.000 χ^2/NDF: 26363046.8/106

reg_asym_atr_dd_mean vs Slug, Sign Corrected



Right In: -942.098+/-486.884 χ^2/NDF: 19.5/26

Left Out: 705.742+/-415.383 χ^2/NDF:31.9/24

Right Out: 744.389+/-470.263 χ^2/NDF: 24.2/31

Left In: -403.144+/-426.215 χ^2/NDF:20.7/22

Left: 165.568+/-297.476 χ^2/NDF: 56.1/47

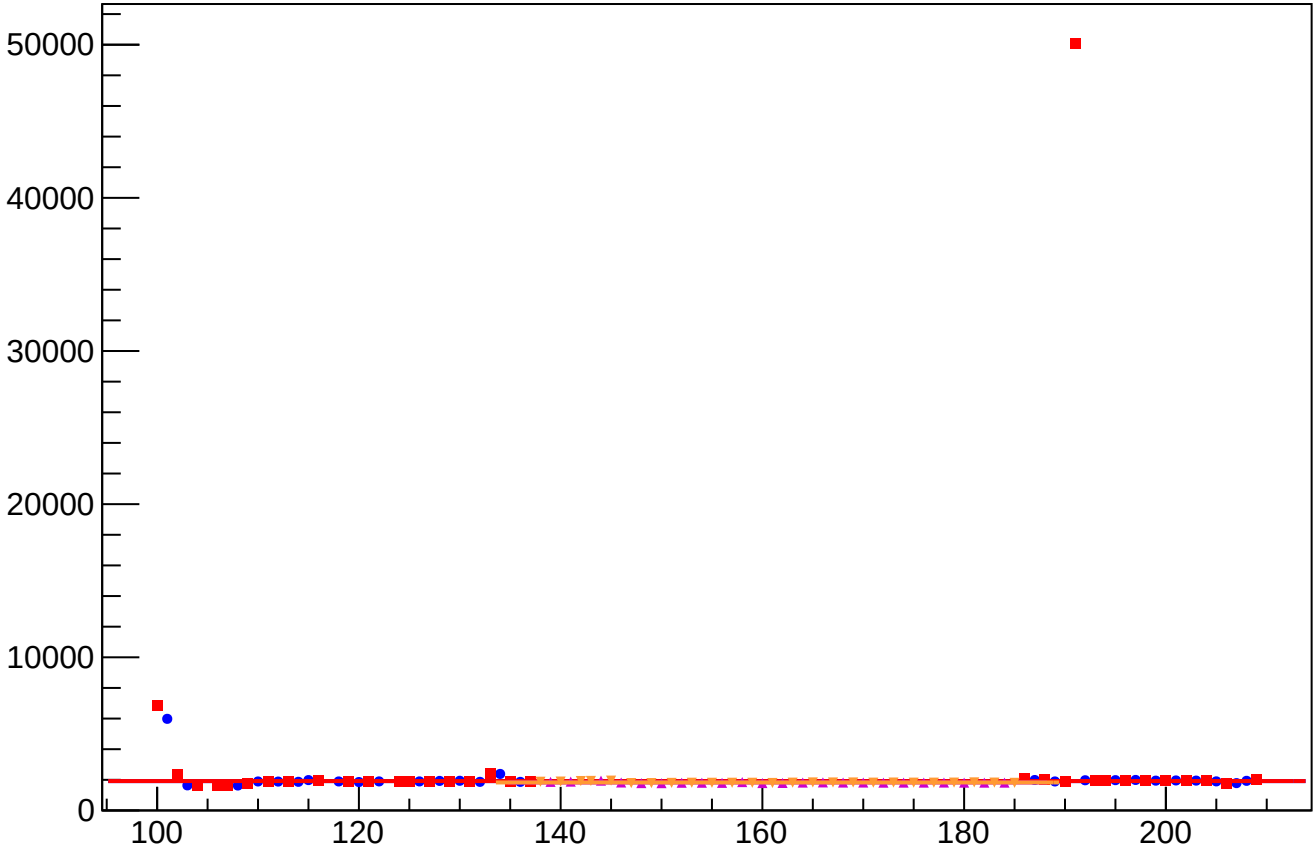
Right: -69.576+/-338.249 χ^2/NDF: 49.9/58

In: -636.969+/-320.697 χ^2/NDF:41.0/49

Out: 722.680+/-311.324 χ^2/NDF:56.1/56

All: 63.016+/-223.379 χ^2/NDF: 106.3/106

reg_asym_atr_dd_rms vs Slug, Sign Corrected



Right In: 1915.977+/-0.344 χ^2/NDF: 716601.3/26

Left Out: 1828.243+/-0.294 χ^2/NDF:19329.0/24

Right Out: 1918.986+/-0.332 χ^2/NDF: 389971.8/31

Left In: 1825.165+/-0.301 χ^2/NDF:13360.2/22

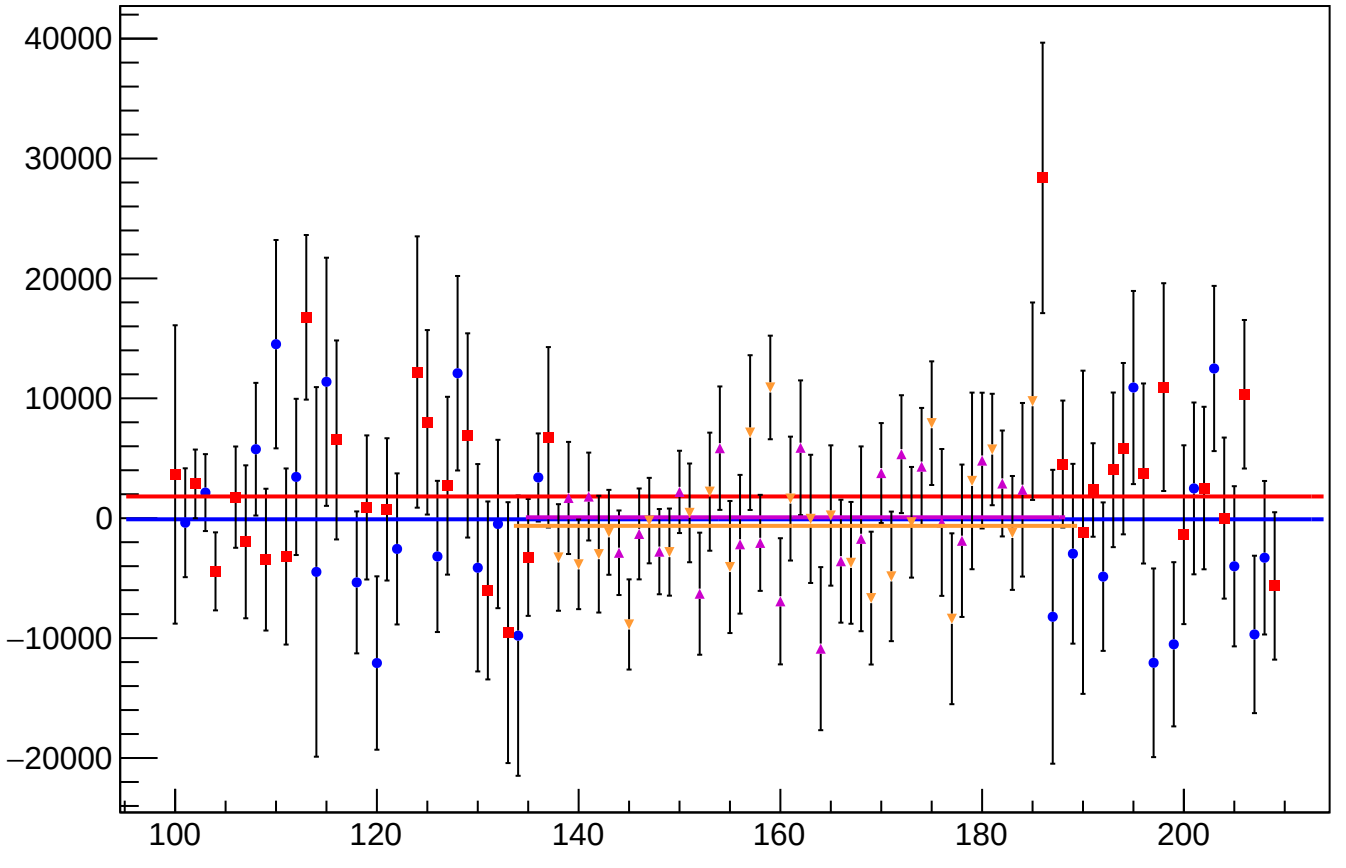
Left: 1826.743+/-0.210 χ^2/NDF: 32742.7/47

Right: 1917.536+/-0.239 χ^2/NDF: 1106612.8/58

In: 1864.563+/-0.227 χ^2/NDF:769352.7/49

Out: 1868.081+/-0.220 χ^2/NDF:451204.0/56

All: 1866.375+/-0.158 χ^2/NDF: 1220680.6/10



Right In: -90.658+/-1220.816 χ^2/NDF: 27.9/26

Left Out: -637.703+/-946.866 χ^2/NDF:26.0/24

Right Out: 1813.604+/-1060.501 χ^2/NDF: 27.3/31

Left In: 75.764+/-980.243 χ^2/NDF:15.4/22

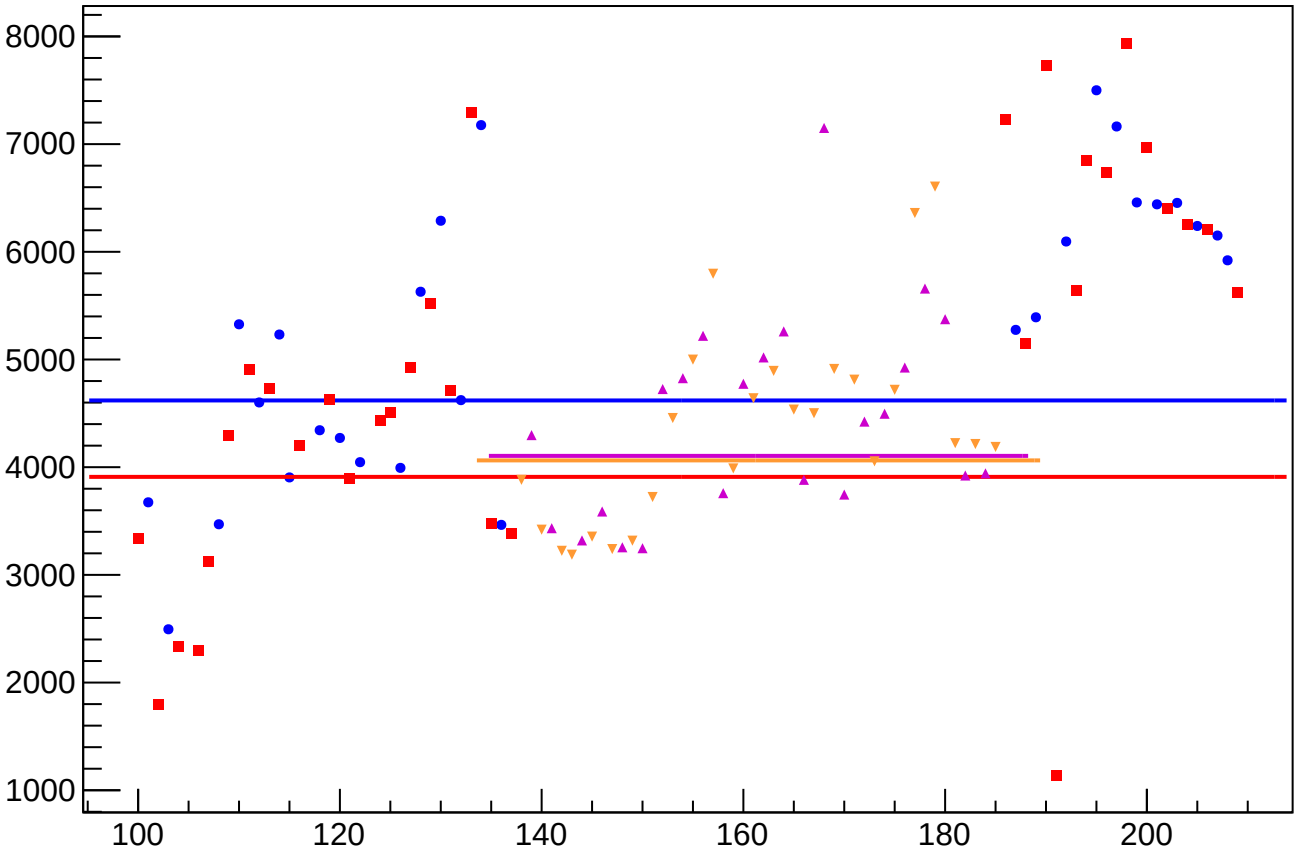
Left: -293.323+/-681.030 χ^2/NDF: 41.7/47

Right: 994.634+/-800.610 χ^2/NDF: 56.6/58

In: 10.528+/-764.343 χ^2/NDF:43.4/49

Out: 449.629+/-706.306 χ^2/NDF:56.2/56

All: 247.380+/-518.740 χ^2/NDF: 99.8/106



Right In: 4619.752+/-0.863 χ^2/NDF: 2850570.0/26

Left Out: 4063.108+/-0.670 χ^2/NDF:1405036.2/24

Right Out: 3910.073+/-0.750 χ^2/NDF: 6283924.9/31

Left In: 4105.057+/-0.693 χ^2/NDF:1359493.1/22

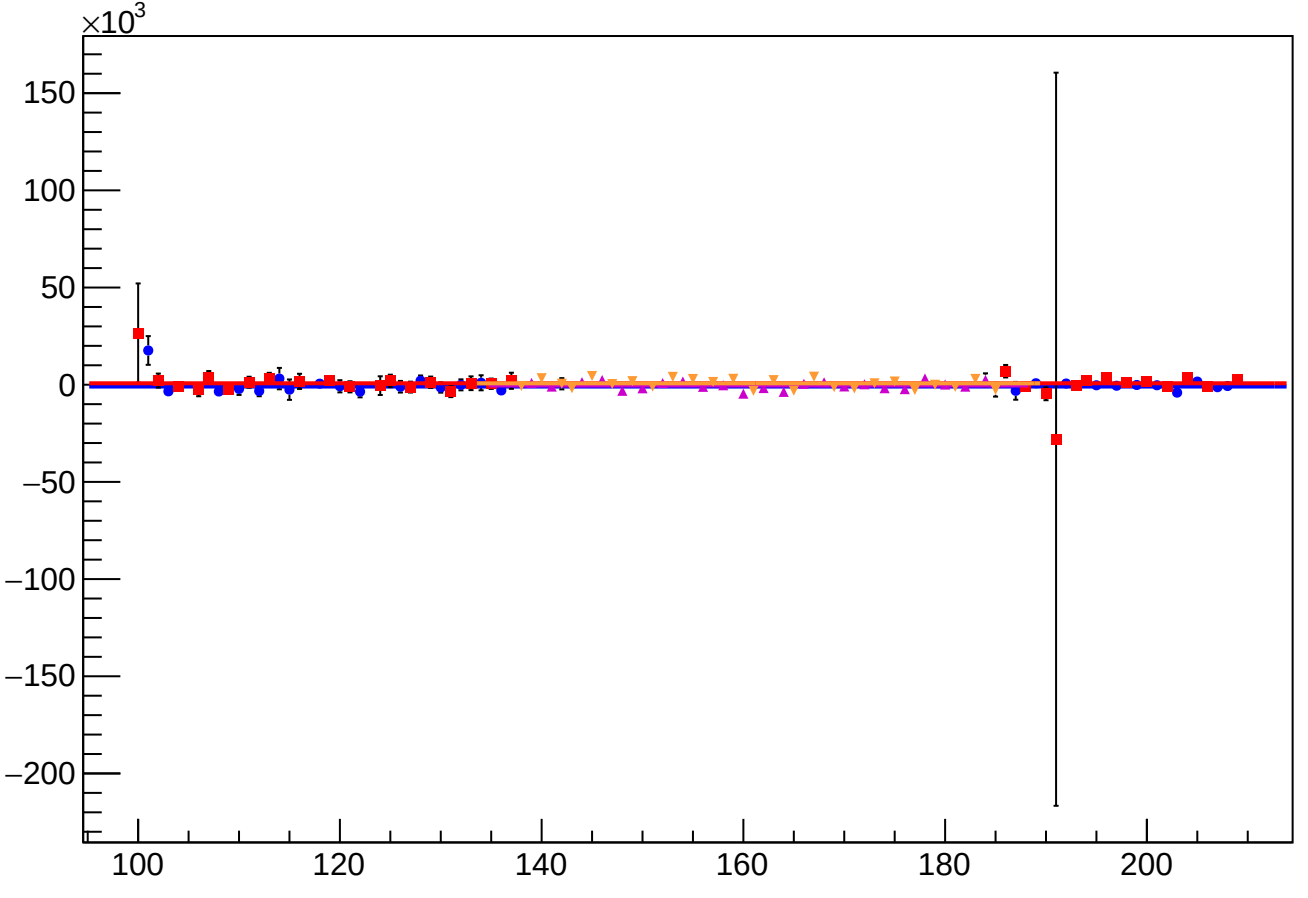
Left: 4083.357+/-0.482 χ^2/NDF: 2766424.2/47

Right: 4215.286+/-0.566 χ^2/NDF: 9519683.1/58

In: 4306.813+/-0.540 χ^2/NDF:4426204.4/49

Out: 3995.226+/-0.499 χ^2/NDF:7712135.1/56

All: 4138.742+/-0.367 χ^2/NDF: 12317616.5/1



Right In: -942.311+/-486.884 χ^2/NDF: 19.5/26

Left Out: 705.801+/-415.383 χ^2/NDF:31.9/24

Right Out: 740.184+/-470.546 χ^2/NDF: 24.1/31

Left In: -402.981+/-426.215 χ^2/NDF:20.8/22

Left: 165.678+/-297.476 χ^2/NDF: 56.1/47

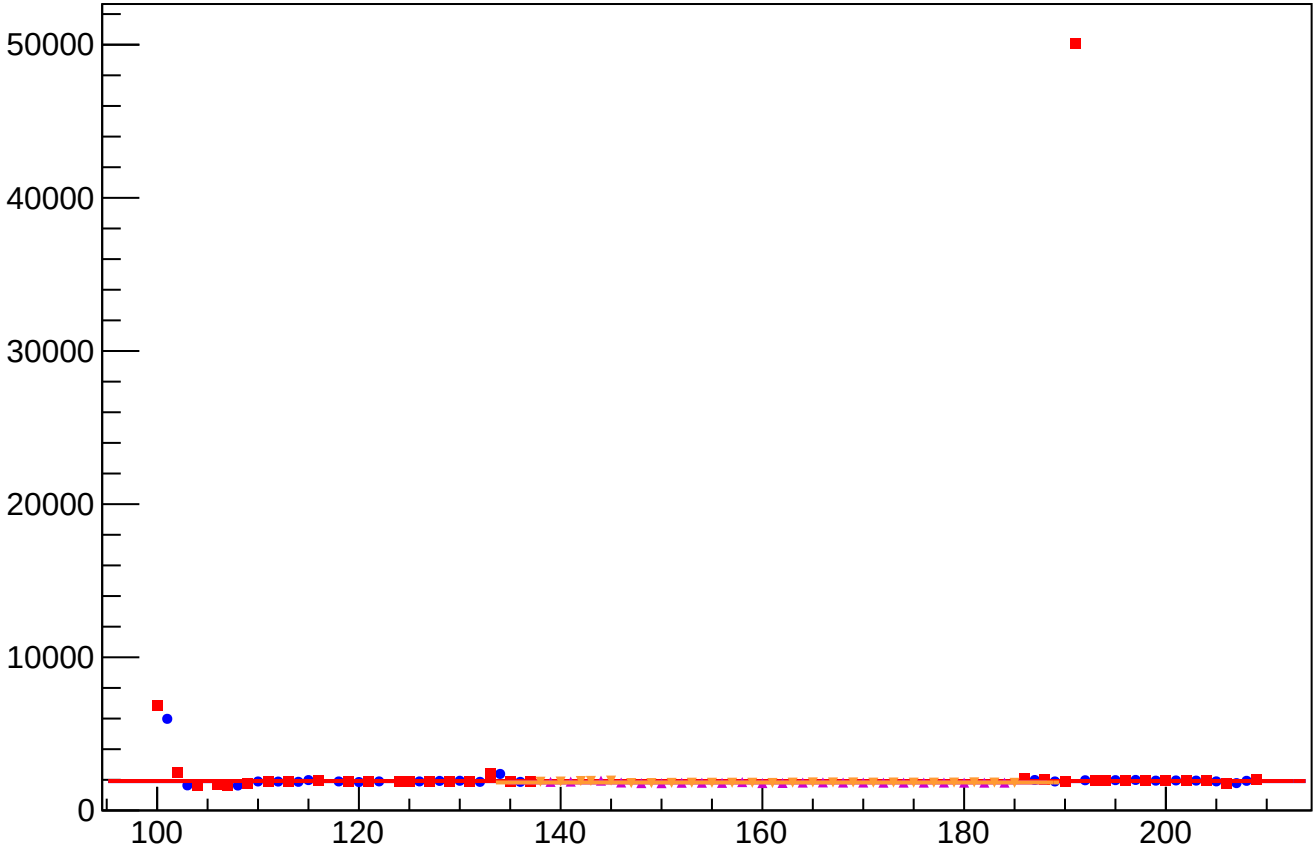
Right: -72.361+/-338.355 χ^2/NDF: 49.8/58

In: -636.968+/-320.697 χ^2/NDF:40.9/49

Out: 720.860+/-311.406 χ^2/NDF:56.1/56

All: 61.899+/-223.410 χ^2/NDF: 106.2/106

cor_asym_atr_dd_rms vs Slug, Sign Corrected



Right In: 1915.977+/-0.344 χ^2/NDF: 716601.5/26

Left Out: 1828.243+/-0.294 χ^2/NDF:19329.0/24

Right Out: 1922.141+/-0.332 χ^2/NDF: 396472.1/31

Left In: 1825.165+/-0.301 χ^2/NDF:13360.2/22

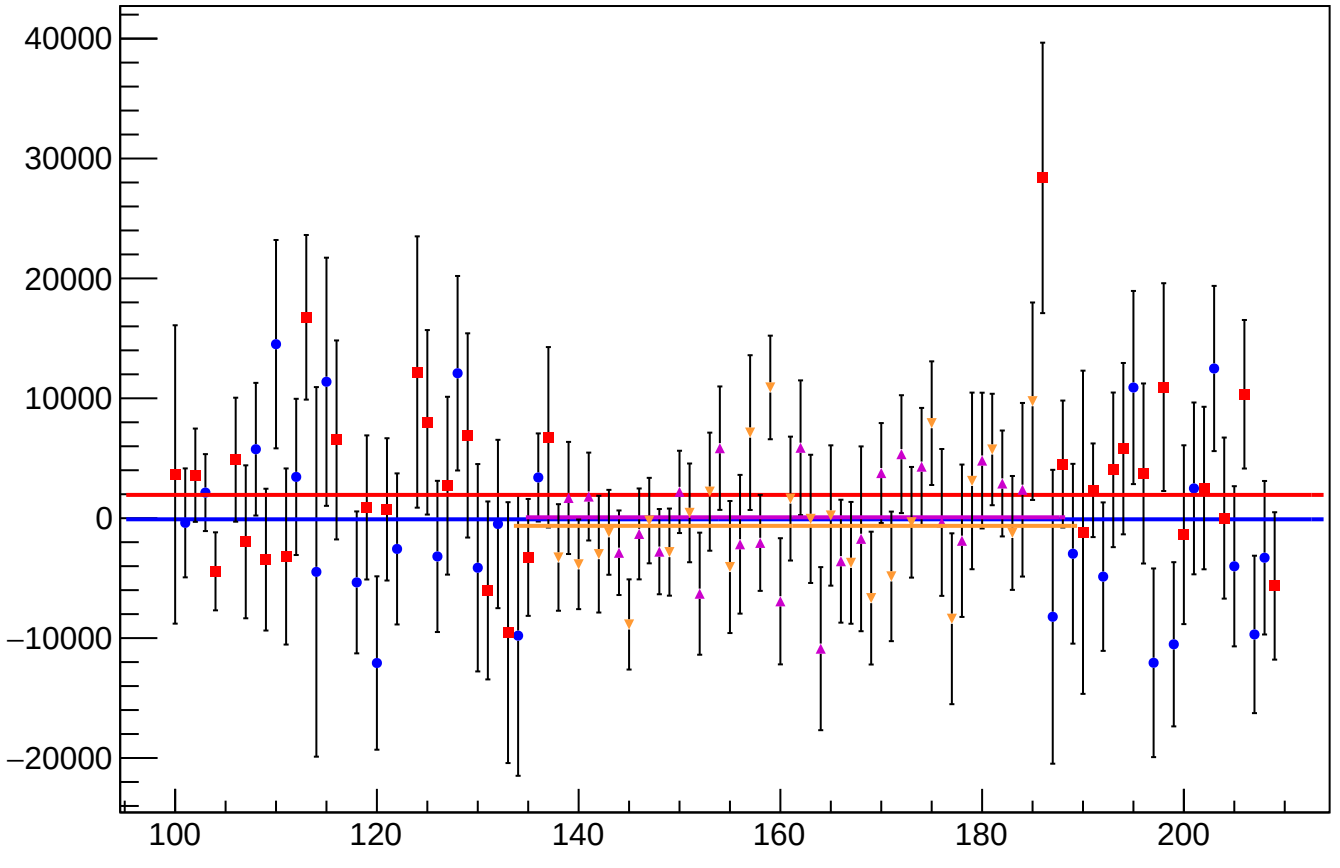
Left: 1826.743+/-0.210 χ^2/NDF: 32742.7/47

Right: 1919.166+/-0.239 χ^2/NDF: 1113239.5/58

In: 1864.563+/-0.227 χ^2/NDF:769352.8/49

Out: 1869.400+/-0.220 χ^2/NDF:460596.5/56

All: 1867.053+/-0.158 χ^2/NDF: 1230183.5/10



Right In: -91.702+/-1220.913 χ^2/NDF: 27.9/26

Left Out: -637.720+/-946.866 χ^2/NDF:26.0/24

Right Out: 1944.027+/-1107.908 χ^2/NDF: 27.7/31

Left In: 75.789+/-980.241 χ^2/NDF:15.4/22

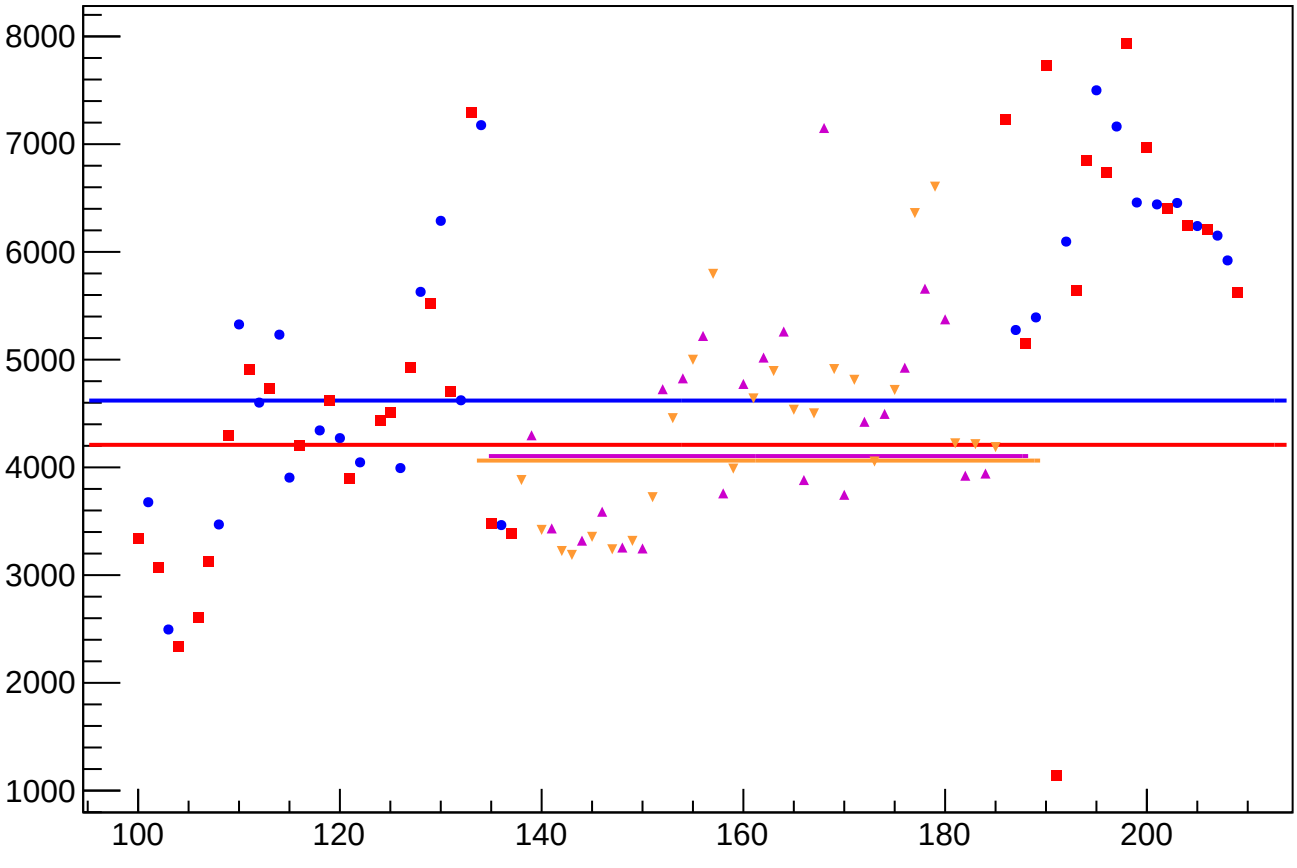
Left: -293.319+/-681.029 χ^2/NDF: 41.7/47

Right: 1024.714+/-820.458 χ^2/NDF: 57.1/58

In: 10.141+/-764.367 χ^2/NDF:43.4/49

Out: 452.046+/-719.802 χ^2/NDF:56.8/56

All: 244.350+/-524.024 χ^2/NDF: 100.3/106



Right In: 4620.235+/-0.863 χ^2/NDF: 2849216.6/26

Left Out: 4063.106+/-0.670 χ^2/NDF:1405030.5/24

Right Out: 4209.223+/-0.783 χ^2/NDF: 4976437.5/31

Left In: 4105.050+/-0.693 χ^2/NDF:1359501.9/22

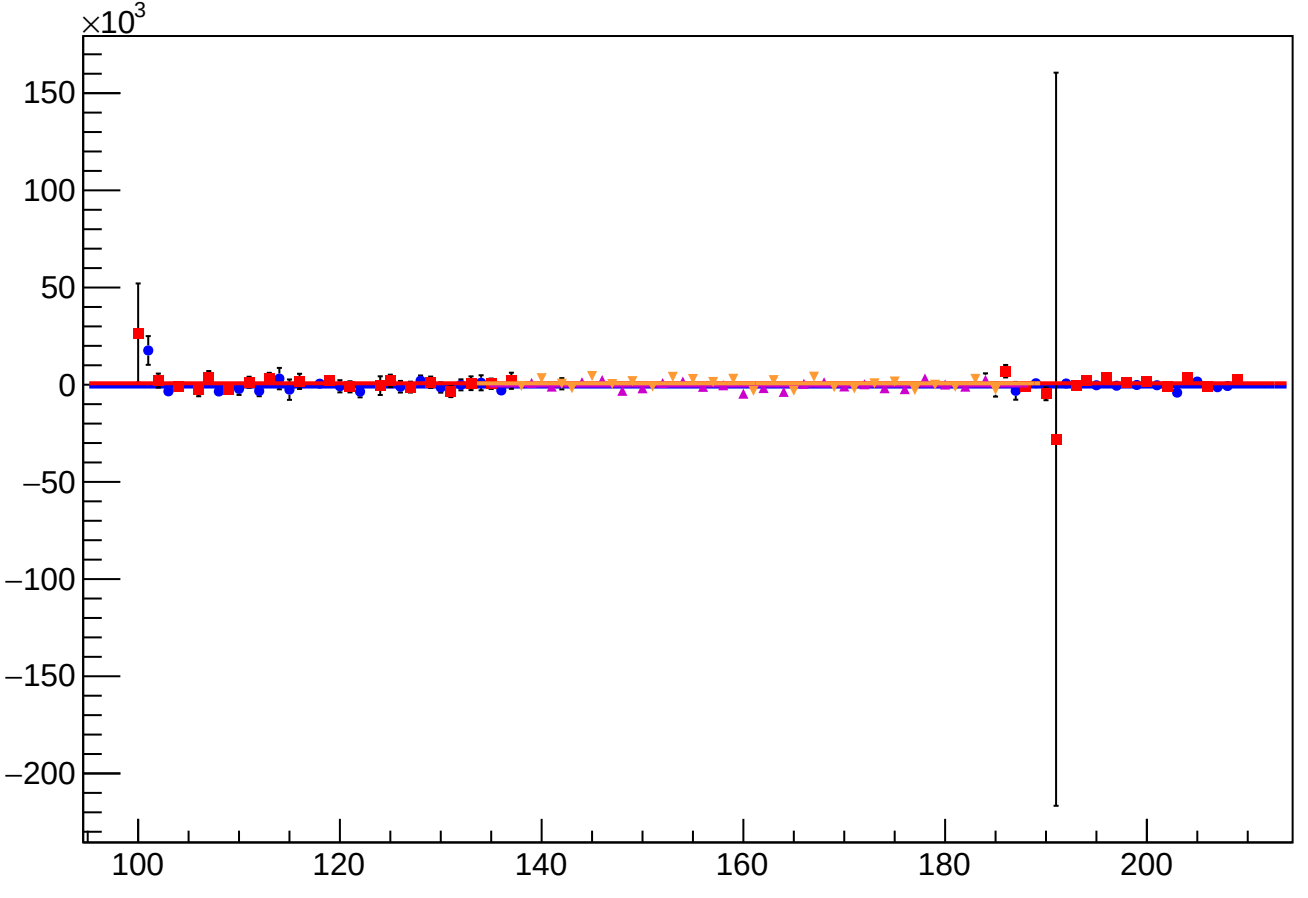
Left: 4083.351+/-0.482 χ^2/NDF: 2766426.7/47

Right: 4394.831+/-0.580 χ^2/NDF: 7949955.6/58

In: 4306.978+/-0.540 χ^2/NDF:4425251.7/49

Out: 4124.782+/-0.509 χ^2/NDF:6401571.7/56

All: 4210.414+/-0.371 χ^2/NDF: 10887048.6/1



Right In: -942.311+/-486.884 χ^2/NDF: 19.5/26

Left Out: 705.801+/-415.383 χ^2/NDF:31.9/24

Right Out: 740.184+/-470.546 χ^2/NDF: 24.1/31

Left In: -402.981+/-426.215 χ^2/NDF:20.8/22

Left: 165.678+/-297.476 χ^2/NDF: 56.1/47

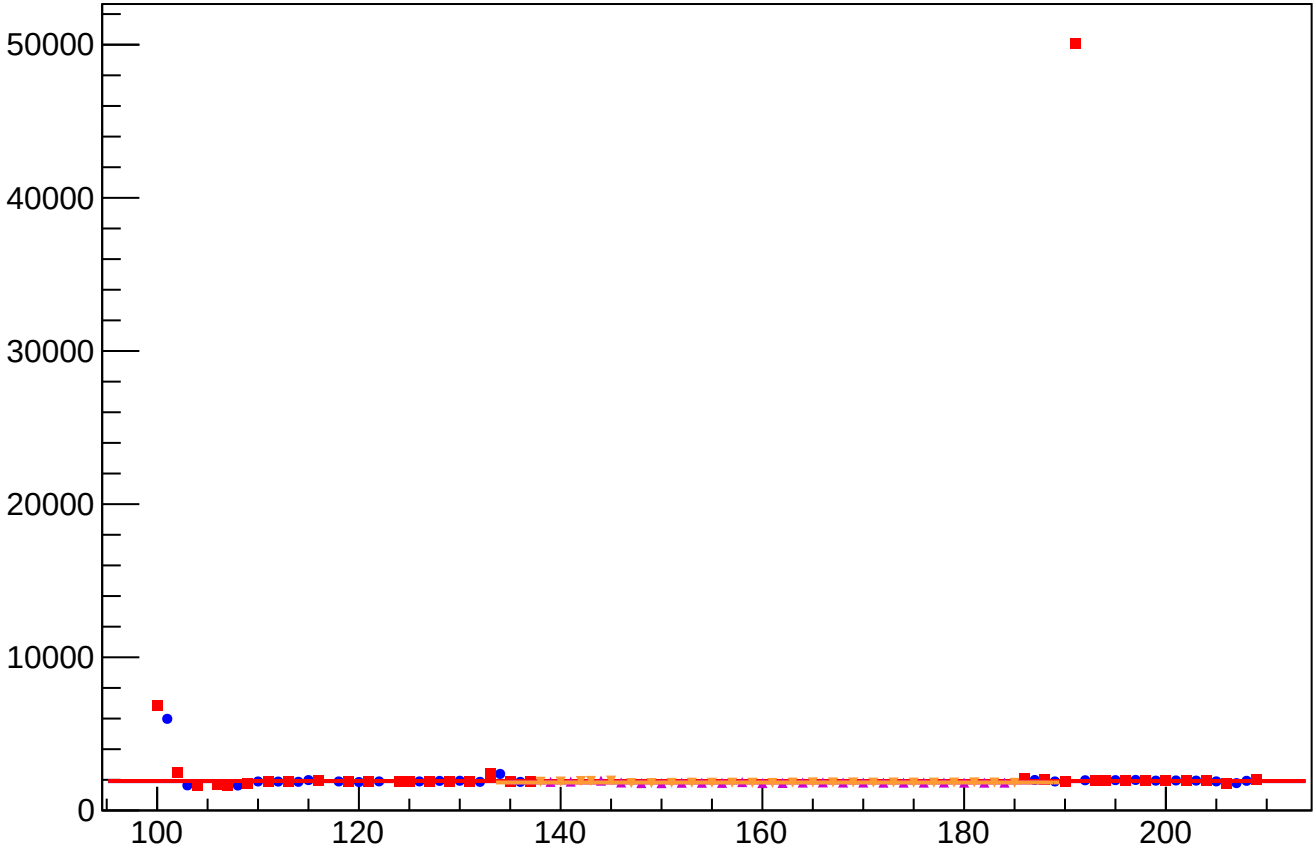
Right: -72.361+/-338.355 χ^2/NDF: 49.8/58

In: -636.968+/-320.697 χ^2/NDF:40.9/49

Out: 720.860+/-311.406 χ^2/NDF:56.1/56

All: 61.899+/-223.410 χ^2/NDF: 106.2/106

eigen_cor_asym_atr_dd_rms vs Slug, Sign Corrected



Right In: 1915.977+/-0.344 χ^2/NDF: 716601.5/26

Left Out: 1828.243+/-0.294 χ^2/NDF:19329.0/24

Right Out: 1922.141+/-0.332 χ^2/NDF: 396472.1/31

Left In: 1825.165+/-0.301 χ^2/NDF:13360.2/22

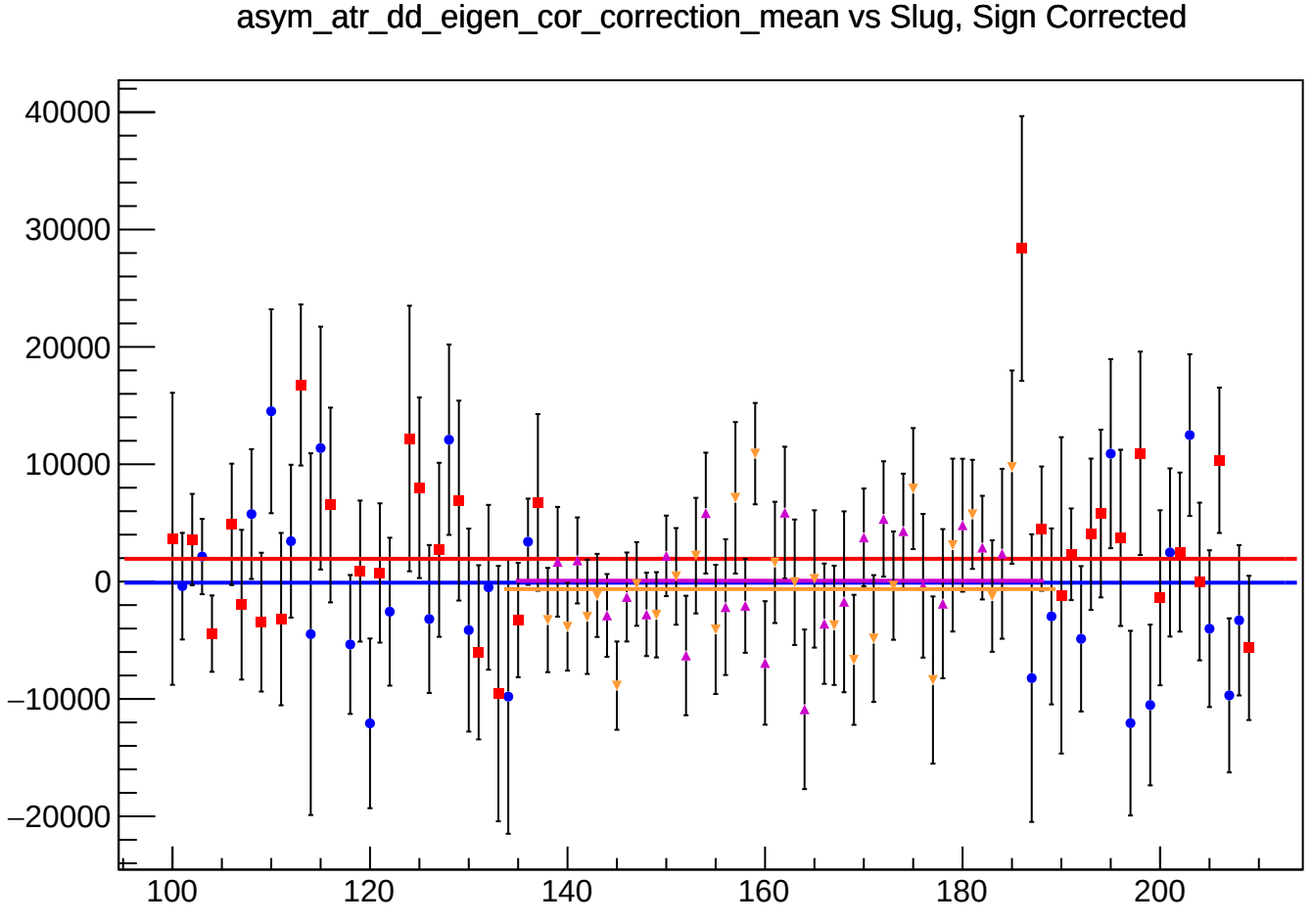
Left: 1826.743+/-0.210 χ^2/NDF: 32742.7/47

Right: 1919.166+/-0.239 χ^2/NDF: 1113239.5/58

In: 1864.563+/-0.227 χ^2/NDF:769352.8/49

Out: 1869.400+/-0.220 χ^2/NDF:460596.5/56

All: 1867.053+/-0.158 χ^2/NDF: 1230183.5/10



Right In: -91.702+/-1220.913 χ^2/NDF: 27.9/26

Left Out: -637.720+/-946.866 χ^2/NDF:26.0/24

Right Out: 1944.027+/-1107.908 χ^2/NDF: 27.7/31

Left In: 75.789+/-980.241 χ^2/NDF:15.4/22

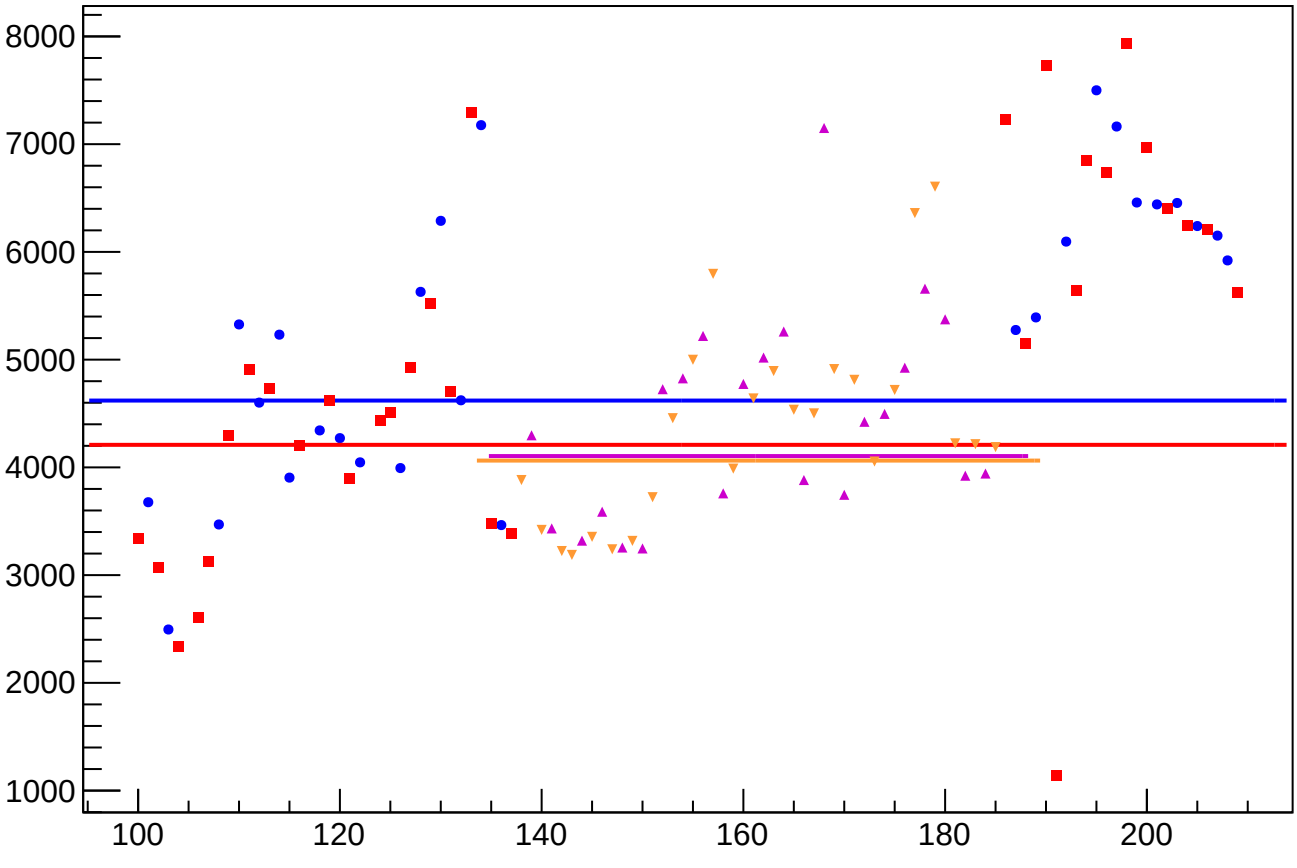
Left: -293.319+/-681.029 χ^2/NDF: 41.7/47

Right: 1024.714+/-820.458 χ^2/NDF: 57.1/58

In: 10.141+/-764.367 χ^2/NDF:43.4/49

Out: 452.046+/-719.802 χ^2/NDF:56.8/56

All: 244.350+/-524.024 χ^2/NDF: 100.3/106



Right In: 4620.235+/-0.863 χ^2/NDF: 2849216.6/26

Left Out: 4063.106+/-0.670 χ^2/NDF:1405030.5/24

Right Out: 4209.223+/-0.783 χ^2/NDF: 4976437.5/31

Left In: 4105.050+/-0.693 χ^2/NDF:1359501.9/22

Left: 4083.351+/-0.482 χ^2/NDF: 2766426.7/47

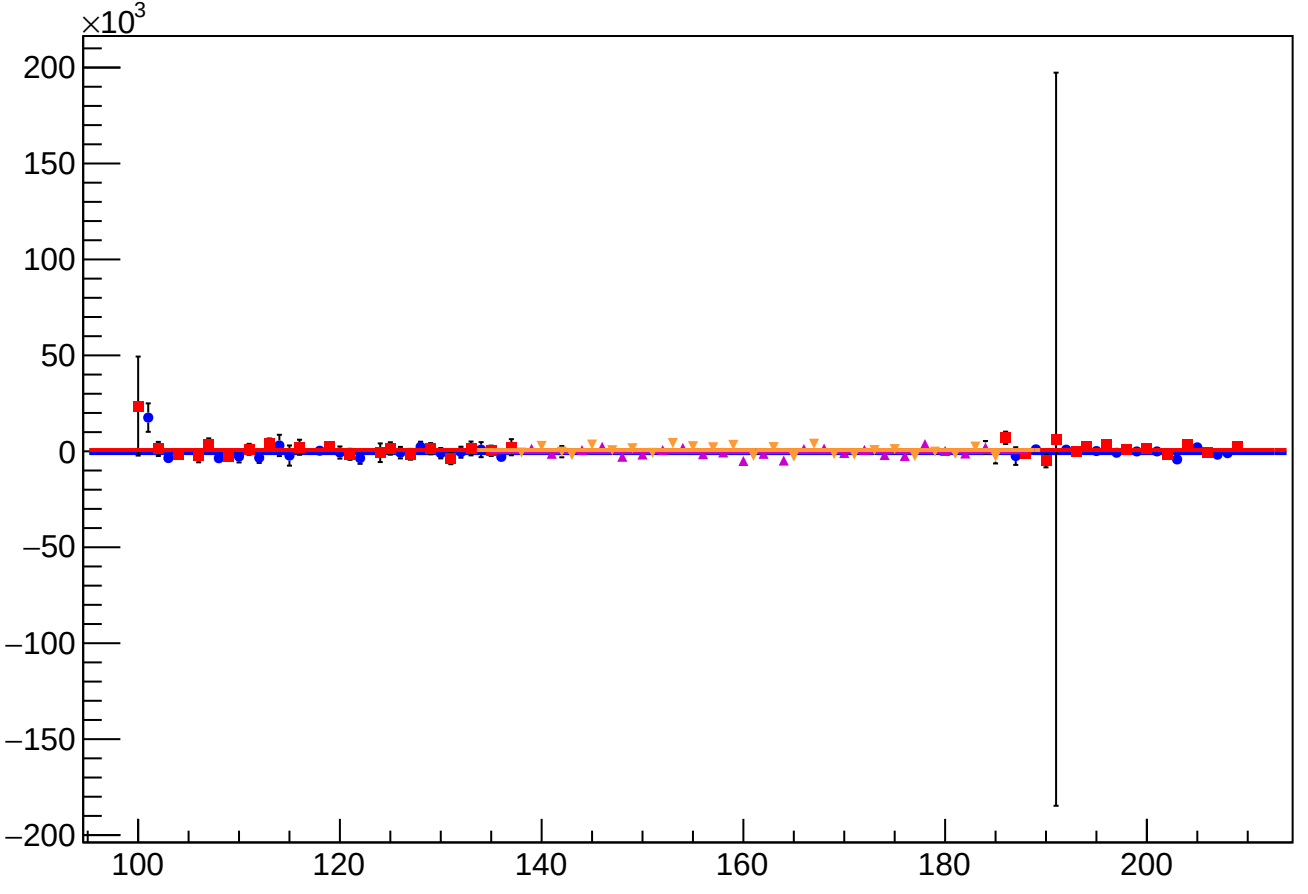
Right: 4394.831+/-0.580 χ^2/NDF: 7949955.6/58

In: 4306.978+/-0.540 χ^2/NDF:4425251.7/49

Out: 4124.782+/-0.509 χ^2/NDF:6401571.7/56

All: 4210.414+/-0.371 χ^2/NDF: 10887048.6/1

dit_asym_atr_dd_mean vs Slug, Sign Corrected



Right In: -922.709+/-490.996 χ^2/NDF: 21.0/26

Left Out: 657.616+/-423.063 χ^2/NDF:27.0/24

Right Out: 681.609+/-474.980 χ^2/NDF: 25.7/31

Left In: -410.869+/-433.856 χ^2/NDF:23.6/22

Left: 136.829+/-302.895 χ^2/NDF: 53.8/47

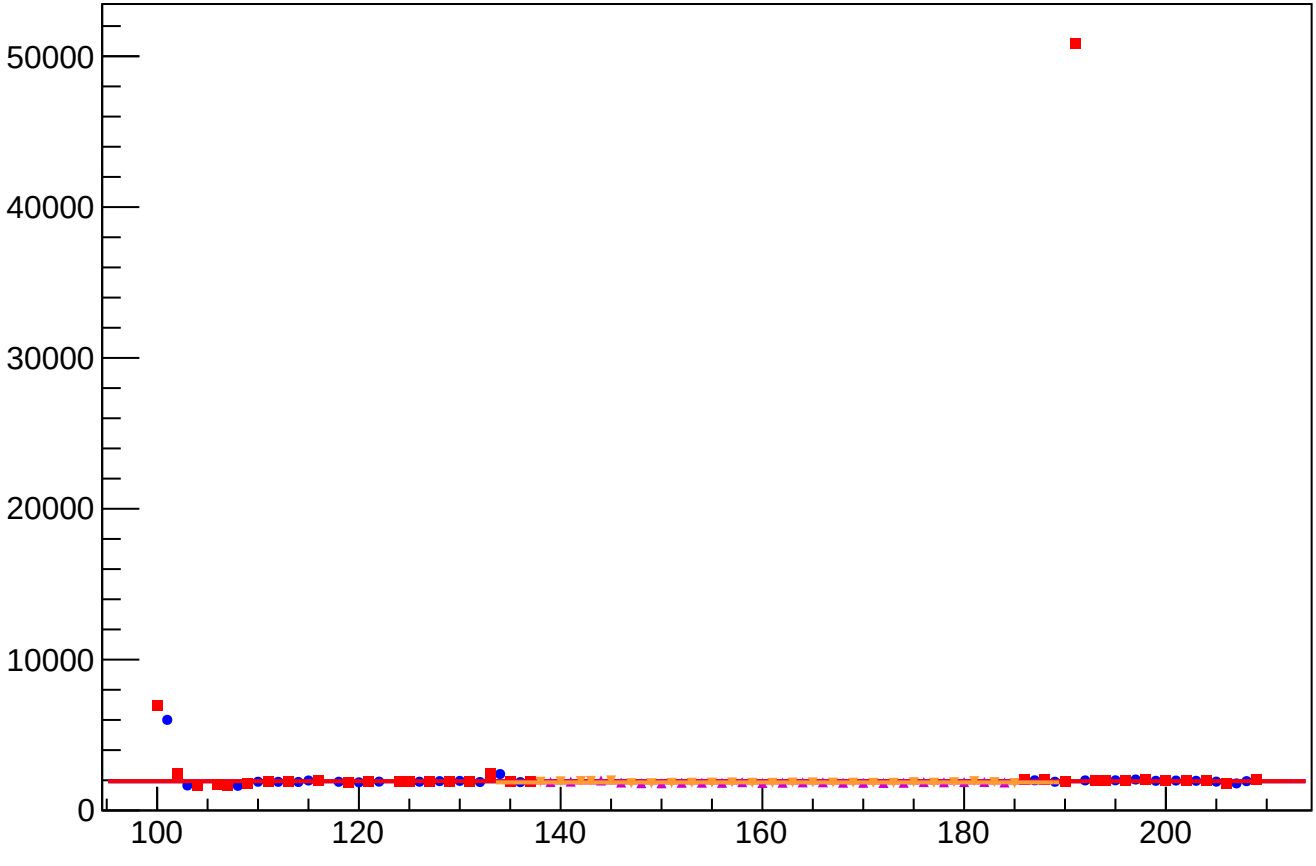
Right: -93.957+/-341.383 χ^2/NDF: 52.2/58

In: -635.286+/-325.117 χ^2/NDF:45.2/49

Out: 668.230+/-315.917 χ^2/NDF:52.8/56

All: 35.174+/-226.570 χ^2/NDF: 106.2/106

dit_asym_atr_dd_rms vs Slug, Sign Corrected



Right In: 1931.961+/-0.347 χ^2/NDF: 720495.4/26

Left Out: 1861.731+/-0.299 χ^2/NDF:26014.9/24

Right Out: 1939.668+/-0.336 χ^2/NDF: 405718.3/31

Left In: 1857.661+/-0.307 χ^2/NDF:16381.0/22

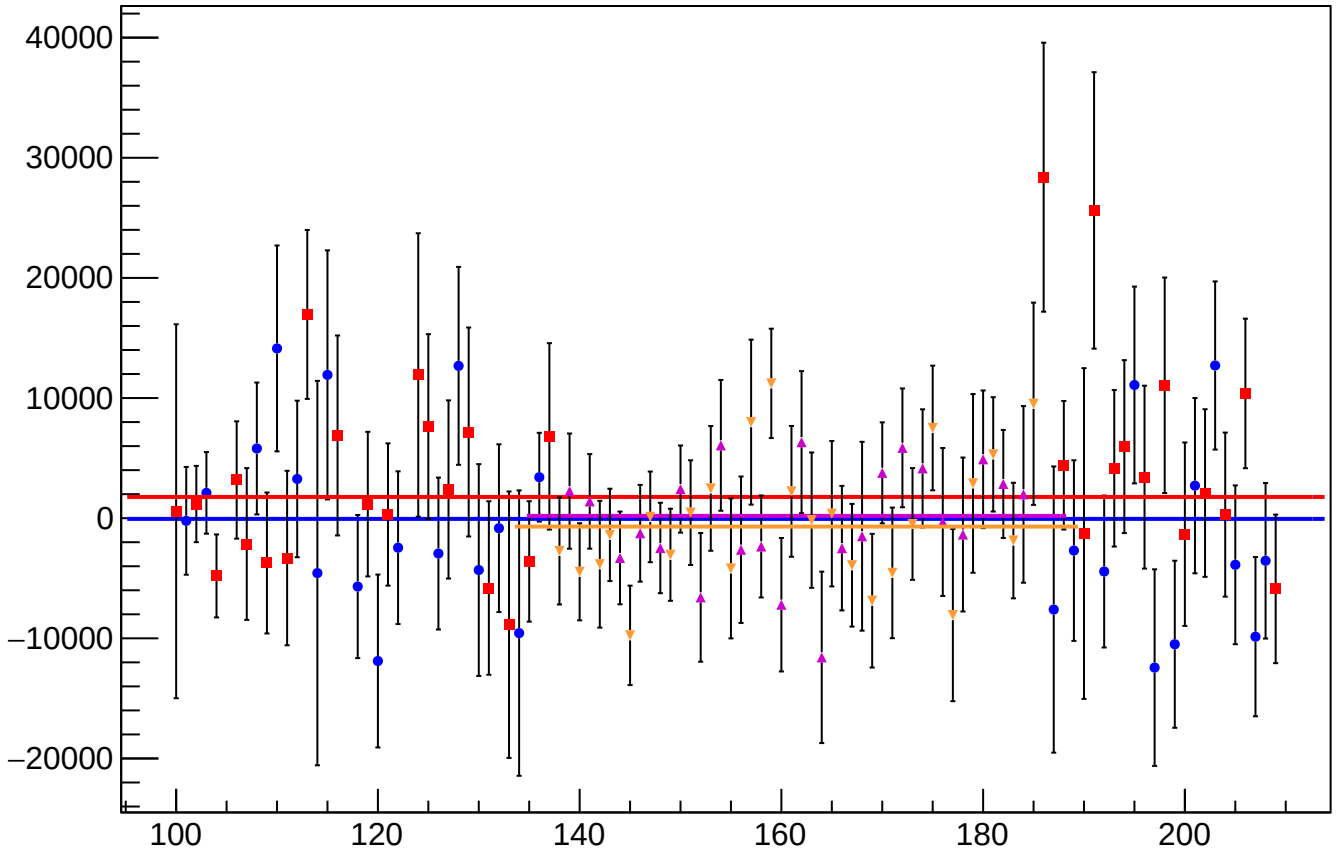
Left: 1859.747+/-0.214 χ^2/NDF: 42486.2/47

Right: 1935.944+/-0.241 χ^2/NDF: 1126468.3/58

In: 1890.238+/-0.230 χ^2/NDF:762594.6/49

Out: 1896.227+/-0.223 χ^2/NDF:461775.8/56

All: 1893.319+/-0.160 χ^2/NDF: 1224719.6/10



Right In: -58.031+/-1235.749 χ^2/NDF: 27.8/26

Left Out: -698.287+/-990.035 χ^2/NDF:25.3/24

Right Out: 1768.439+/-1138.390 χ^2/NDF: 31.4/31

Left In: 192.486+/-1022.469 χ^2/NDF:15.2/22

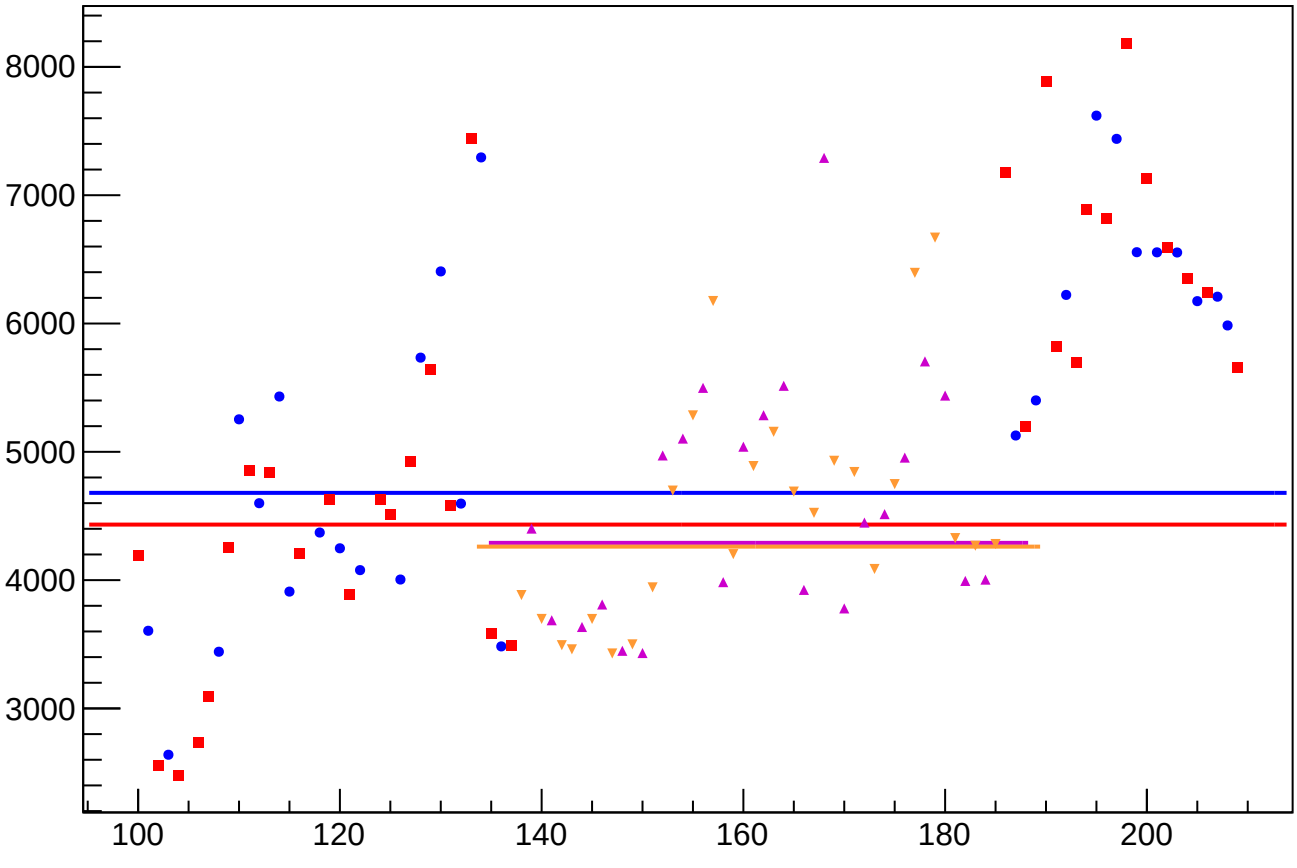
Left: -267.253+/-711.250 χ^2/NDF: 40.9/47

Right: 929.978+/-837.269 χ^2/NDF: 60.4/58

In: 90.678+/-787.773 χ^2/NDF:43.0/49

Out: 363.972+/-747.043 χ^2/NDF:59.4/56

All: 234.573+/-542.067 χ^2/NDF: 102.4/106



Right In: 4680.178+/-0.874 χ^2/NDF: 2770452.7/26

Left Out: 4261.124+/-0.700 χ^2/NDF:1190561.4/24

Right Out: 4432.913+/-0.805 χ^2/NDF: 4009941.0/31

Left In: 4290.398+/-0.723 χ^2/NDF:1213964.7/22

Left: 4275.289+/-0.503 χ^2/NDF: 2405372.2/47

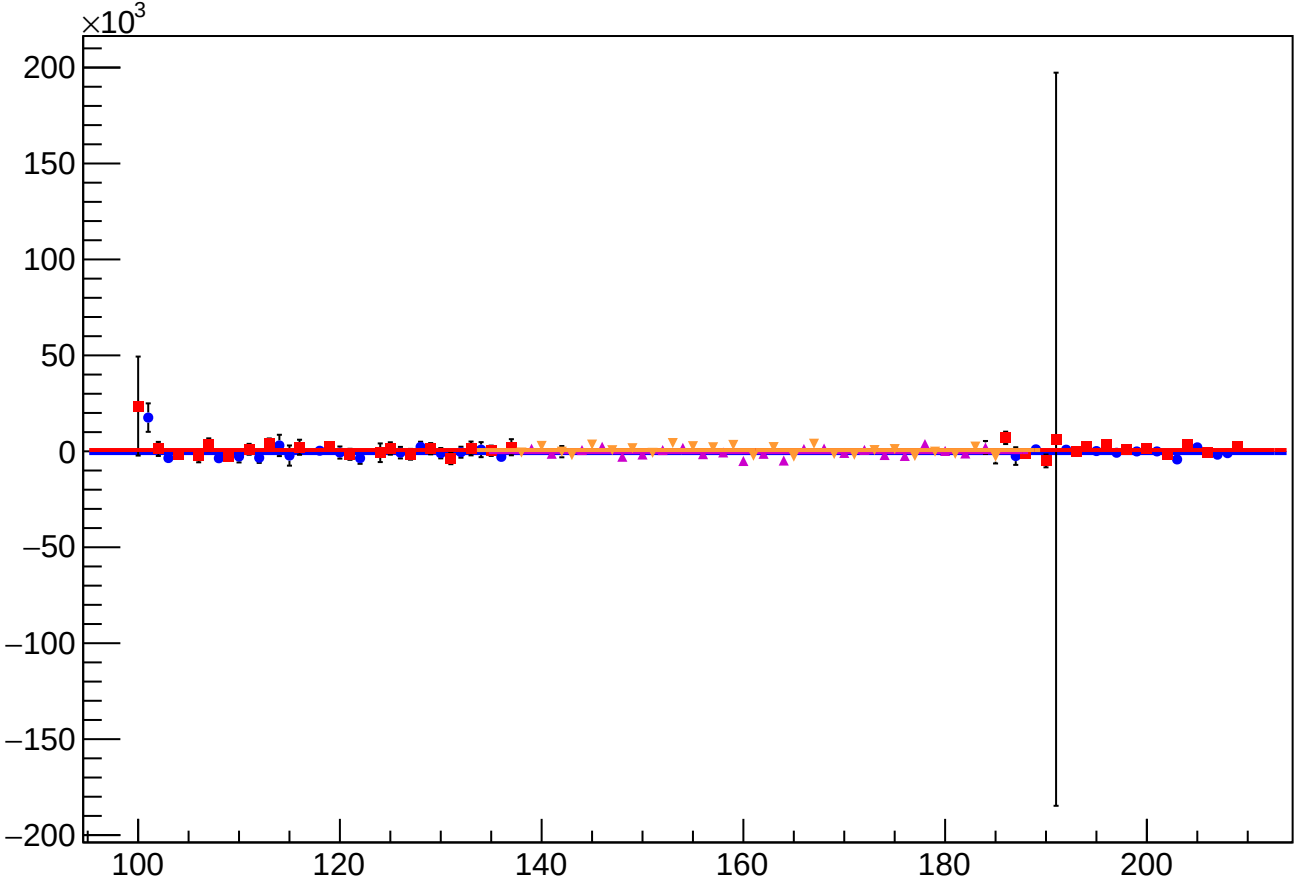
Right: 4546.423+/-0.592 χ^2/NDF: 6823709.0/58

In: 4448.800+/-0.557 χ^2/NDF:4102533.7/49

Out: 4335.102+/-0.528 χ^2/NDF:5226434.0/56

All: 4388.936+/-0.383 χ^2/NDF: 9350903.2/10

eigen_dit_asym_atr_dd_mean vs Slug, Sign Corrected



Right In: -922.709+/-490.996 χ^2/NDF: 21.0/26

Left Out: 657.622+/-423.063 χ^2/NDF:27.0/24

Right Out: 681.607+/-474.980 χ^2/NDF: 25.7/31

Left In: -410.869+/-433.856 χ^2/NDF:23.6/22

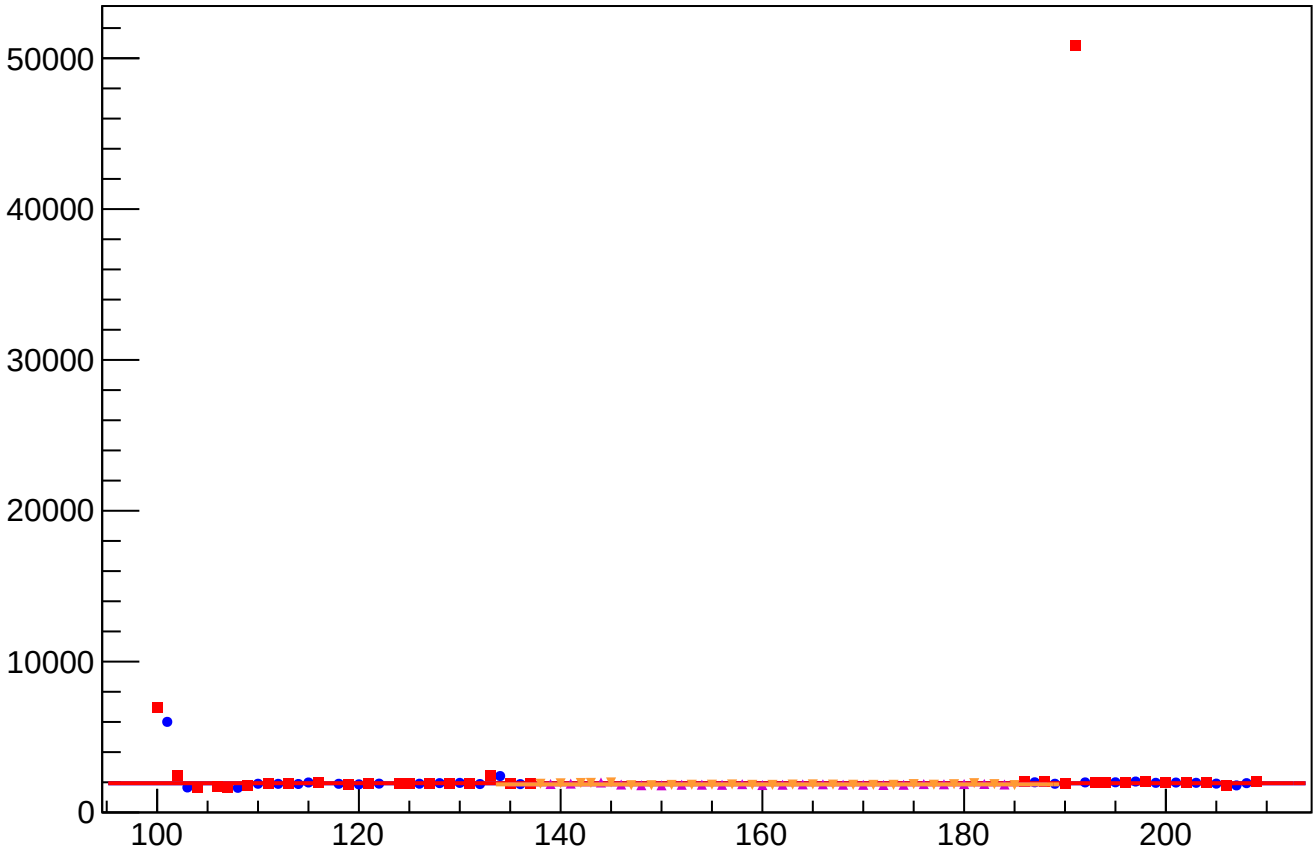
Left: 136.832+/-302.895 χ^2/NDF: 53.8/47

Right: -93.958+/-341.383 χ^2/NDF: 52.2/58

In: -635.286+/-325.117 χ^2/NDF:45.2/49

Out: 668.232+/-315.918 χ^2/NDF:52.8/56

All: 35.175+/-226.570 χ^2/NDF: 106.2/106



Right In: 1931.961+/-0.347 χ^2/NDF: 720495.2/26

Left Out: 1861.731+/-0.299 χ^2/NDF:26014.9/24

Right Out: 1939.668+/-0.336 χ^2/NDF: 405718.5/31

Left In: 1857.661+/-0.307 χ^2/NDF:16380.9/22

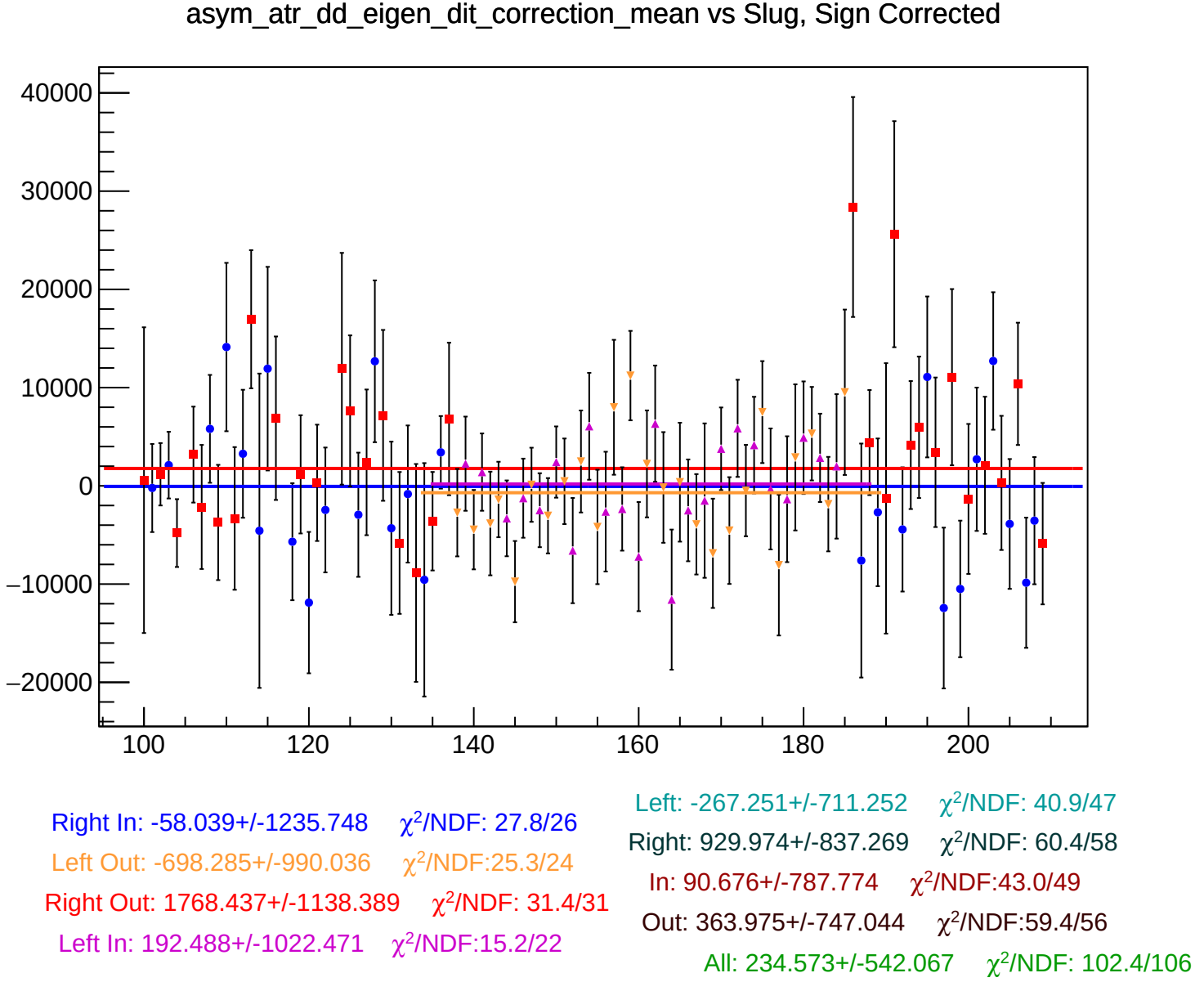
Left: 1859.748+/-0.214 χ^2/NDF: 42486.0/47

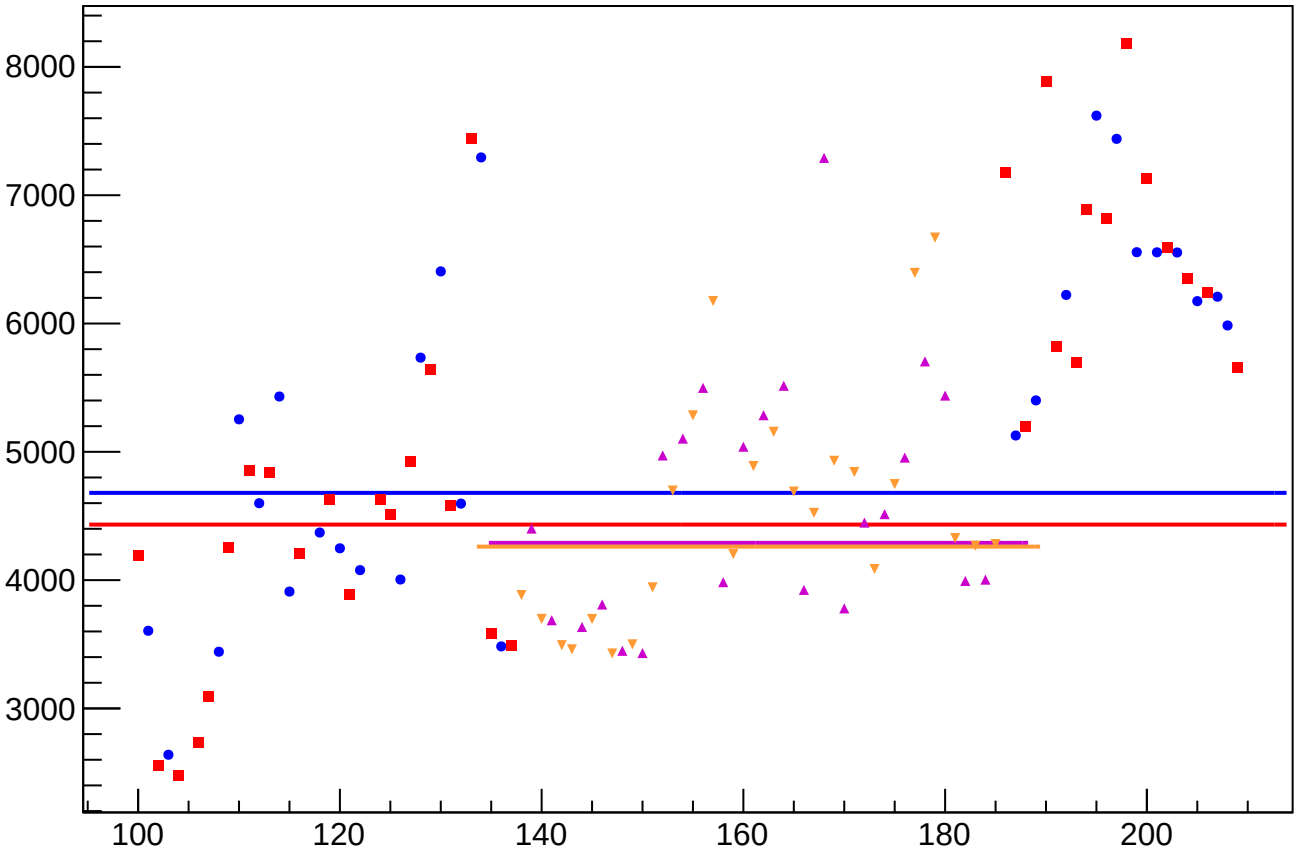
Right: 1935.944+/-0.241 χ^2/NDF: 1126468.4/58

In: 1890.238+/-0.230 χ^2/NDF:762593.9/49

Out: 1896.227+/-0.223 χ^2/NDF:461775.6/56

All: 1893.319+/-0.160 χ^2/NDF: 1224718.7/10


asym_atr_dd_eigen_dit_correction_mean vs Slug, Sign Corrected
40000
30000
20000
10000
0
−10000
−20000
100
120
140
160
180
200
Right In: -58.039+/-1235.748 χ²/NDF: 27.8/26
Left Out: -698.285+/-990.036 χ²/NDF:25.3/24
Right Out: 1768.437+/-1138.389 χ²/NDF: 31.4/31
Left In: 192.488+/-1022.471 χ²/NDF:15.2/22
Left: -267.251+/-711.252 χ²/NDF: 40.9/47
Right: 929.974+/-837.269 χ²/NDF: 60.4/58
In: 90.676+/-787.774 χ²/NDF:43.0/49
Out: 363.975+/-747.044 χ²/NDF:59.4/56
All: 234.573+/-542.067 χ²/NDF: 102.4/106



Right In: 4680.176+/-0.874 χ^2/NDF: 2770458.1/26

Left Out: 4261.131+/-0.700 χ^2/NDF:1190564.2/24

Right Out: 4432.911+/-0.805 χ^2/NDF: 4009946.7/31

Left In: 4290.404+/-0.723 χ^2/NDF:1213970.5/22

Left: 4275.296+/-0.503 χ^2/NDF: 2405380.8/47

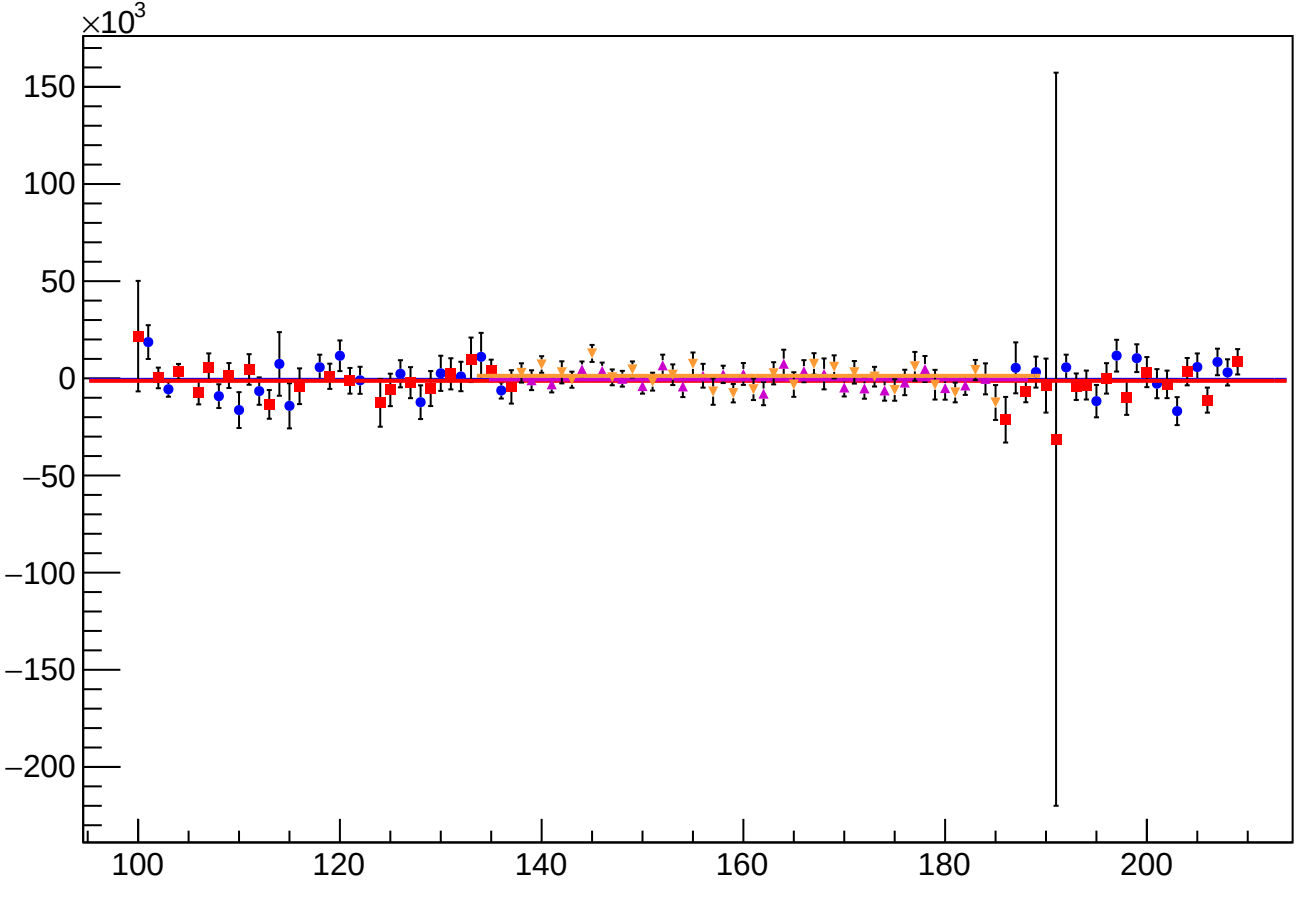
Right: 4546.421+/-0.592 χ^2/NDF: 6823720.5/58

In: 4448.804+/-0.557 χ^2/NDF:4102540.0/49

Out: 4335.105+/-0.528 χ^2/NDF:5226439.7/56

All: 4388.939+/-0.383 χ^2/NDF: 9350915.3/10

asym_atr_dd_mean vs Slug, Sign Corrected



Right In: -772.844+/-1369.634 χ^2/NDF: 37.8/26

Left Out: 1298.373+/-1049.555 χ^2/NDF:28.5/24

Right Out: -1284.669+/-1296.087 χ^2/NDF: 21.6/31

Left In: -576.442+/-1082.127 χ^2/NDF:14.4/22

Left: 389.606+/-753.400 χ^2/NDF: 44.4/47

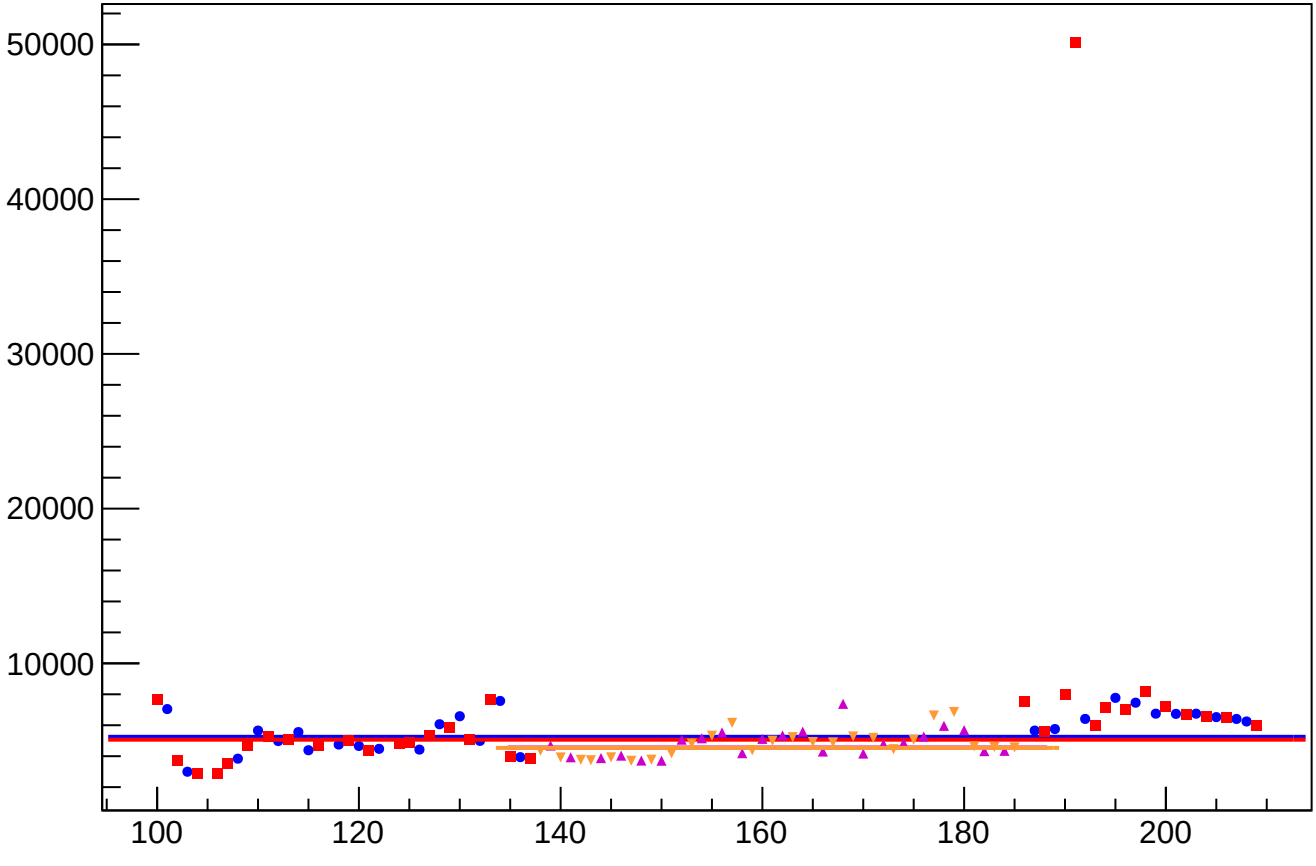
Right: -1042.867+/-941.399 χ^2/NDF: 59.5/58

In: -651.924+/-849.091 χ^2/NDF:52.3/49

Out: 275.369+/-815.656 χ^2/NDF:52.5/56

All: -169.662+/-588.221 χ^2/NDF: 105.4/106

asym_atr_dd_rms vs Slug, Sign Corrected



Right In: 5251.995+/-0.968 χ^2/NDF: 2122764.0/26

Left Out: 4537.934+/-0.742 χ^2/NDF:992905.4/24

Right Out: 5066.129+/-0.912 χ^2/NDF: 2779439.4/31

Left In: 4560.506+/-0.765 χ^2/NDF:980201.3/22

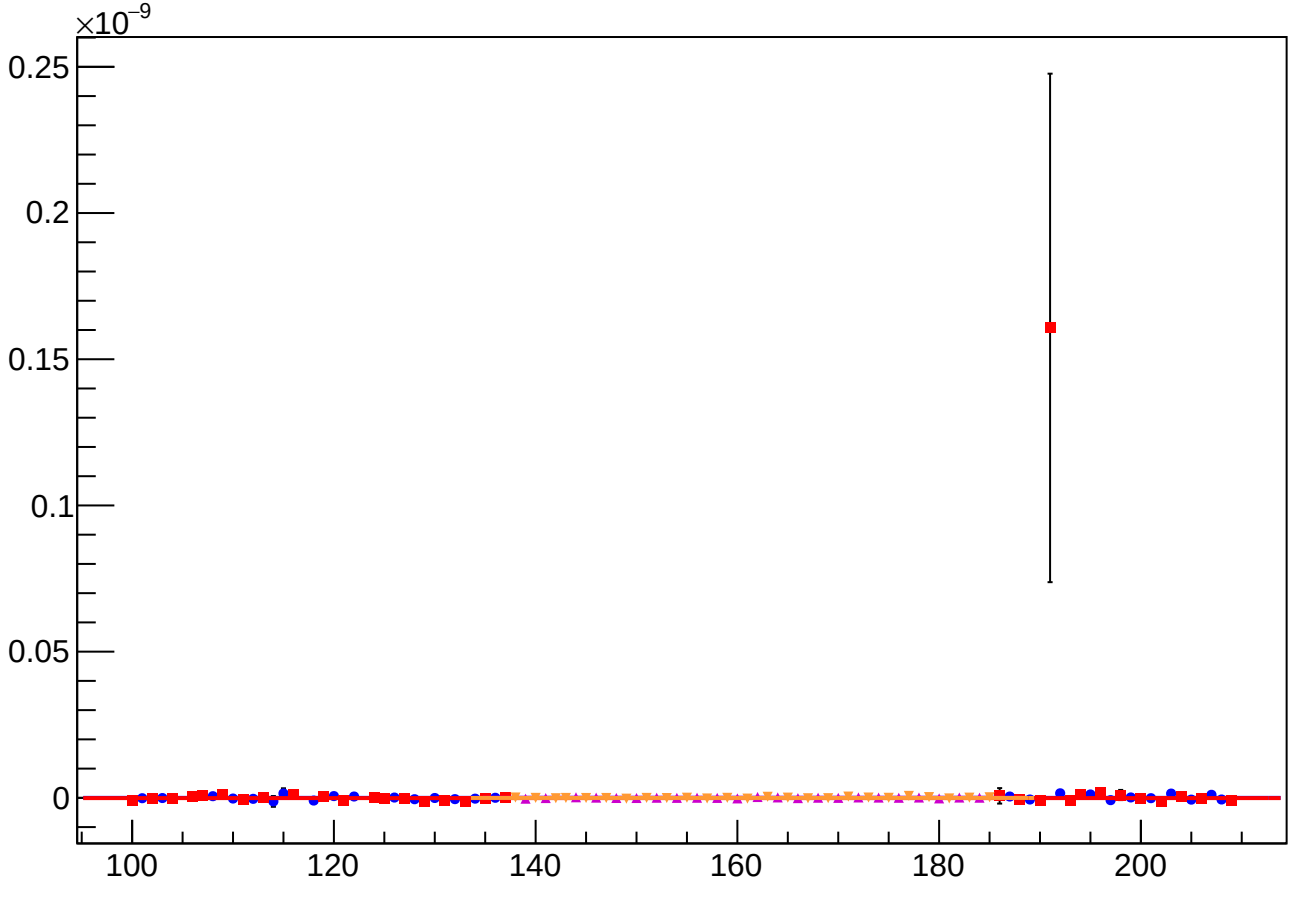
Left: 4548.875+/-0.533 χ^2/NDF: 1973555.1/47

Right: 5153.452+/-0.664 χ^2/NDF: 4921730.7/58

In: 4826.263+/-0.600 χ^2/NDF:3416829.6/49

Out: 4748.450+/-0.576 χ^2/NDF:3974227.8/56

All: 4785.713+/-0.415 χ^2/NDF: 7399810.3/10



Right In: -0.000+/-0.000 χ^2/NDF: 24.9/26

Left Out: -0.000+/-0.000 χ^2/NDF:37.9/24

Right Out: -0.000+/-0.000 χ^2/NDF: 40.2/31

Left In: 0.000+/-0.000 χ^2/NDF:20.6/22

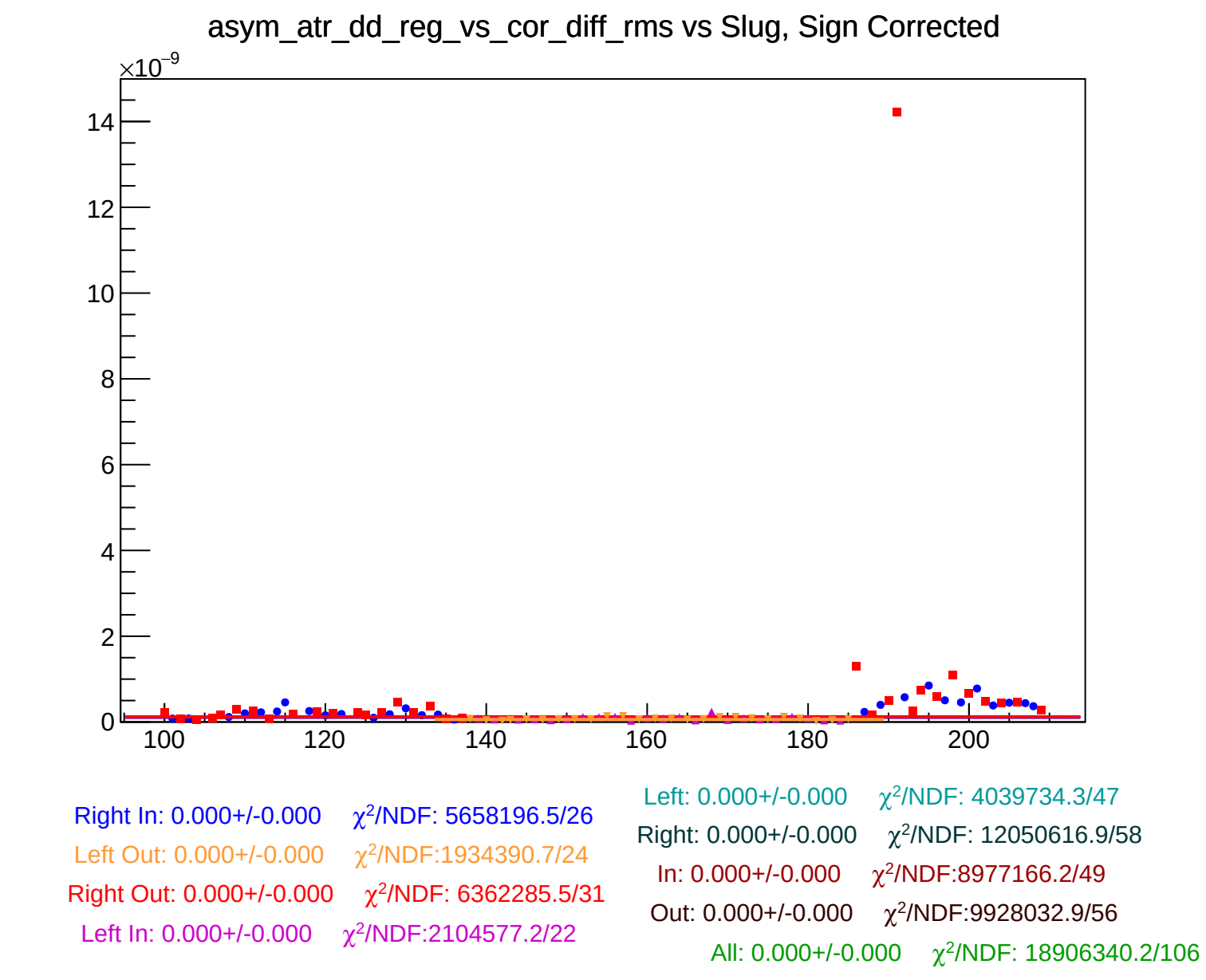
Left: -0.000+/-0.000 χ^2/NDF: 60.1/47

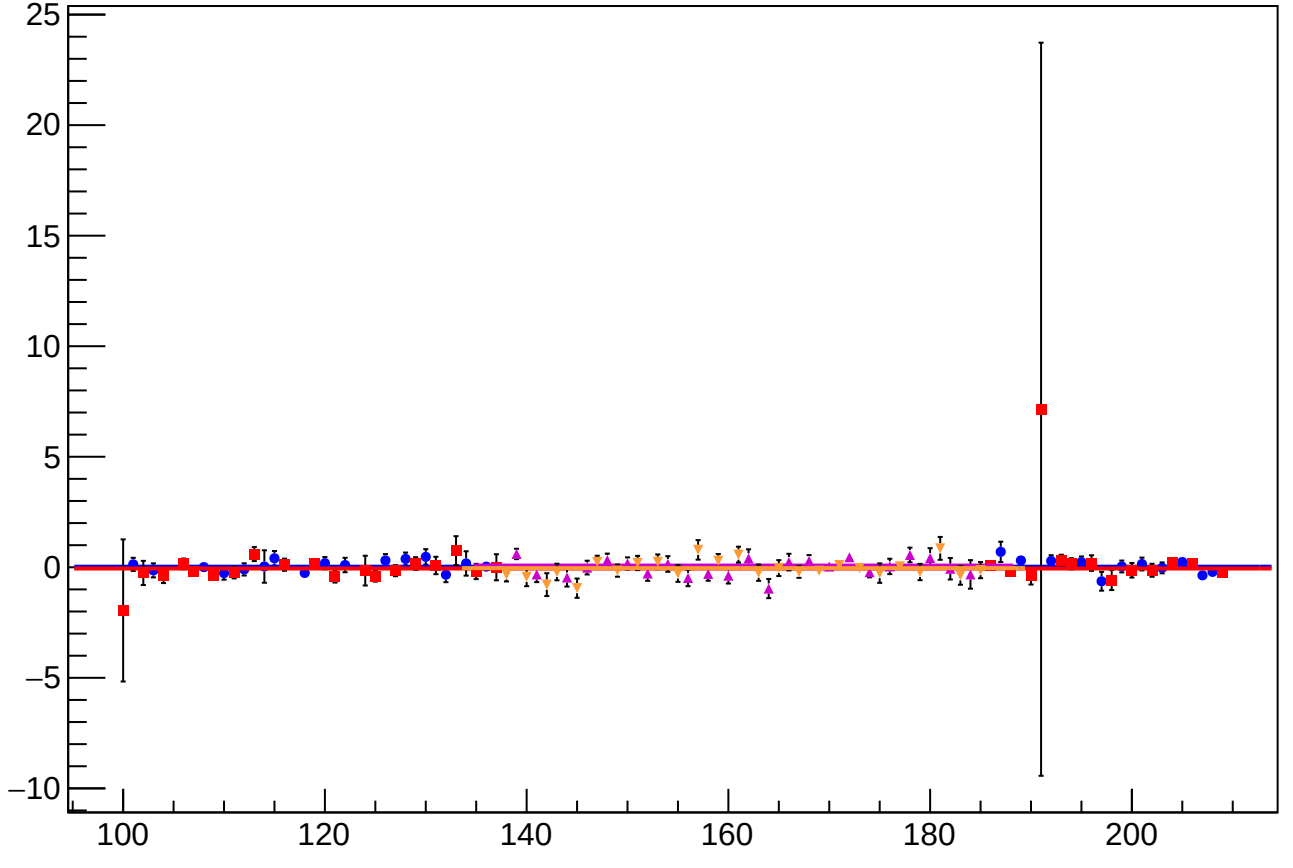
Right: -0.000+/-0.000 χ^2/NDF: 66.0/58

In: 0.000+/-0.000 χ^2/NDF:45.7/49

Out: -0.000+/-0.000 χ^2/NDF:78.8/56

All: -0.000+/-0.000 χ^2/NDF: 126.6/106


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
Right In: 0.000+/-0.000 χ²/NDF: 5658196.5/26
Left Out: 0.000+/-0.000 χ²/NDF:1934390.7/24
Right Out: 0.000+/-0.000 χ²/NDF: 6362285.5/31
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: 12050616.9/58
In: 0.000+/-0.000 χ²/NDF:8977166.2/49
Out: 0.000+/-0.000 χ²/NDF:9928032.9/56
All: 0.000+/-0.000 χ²/NDF: 18906340.2/106



Right In: 0.027+/-0.050 χ^2/NDF: 27.6/26

Left Out: -0.038+/-0.062 χ^2/NDF:24.4/24

Right Out: -0.056+/-0.047 χ^2/NDF: 28.9/31

Left In: 0.078+/-0.065 χ^2/NDF:31.1/22

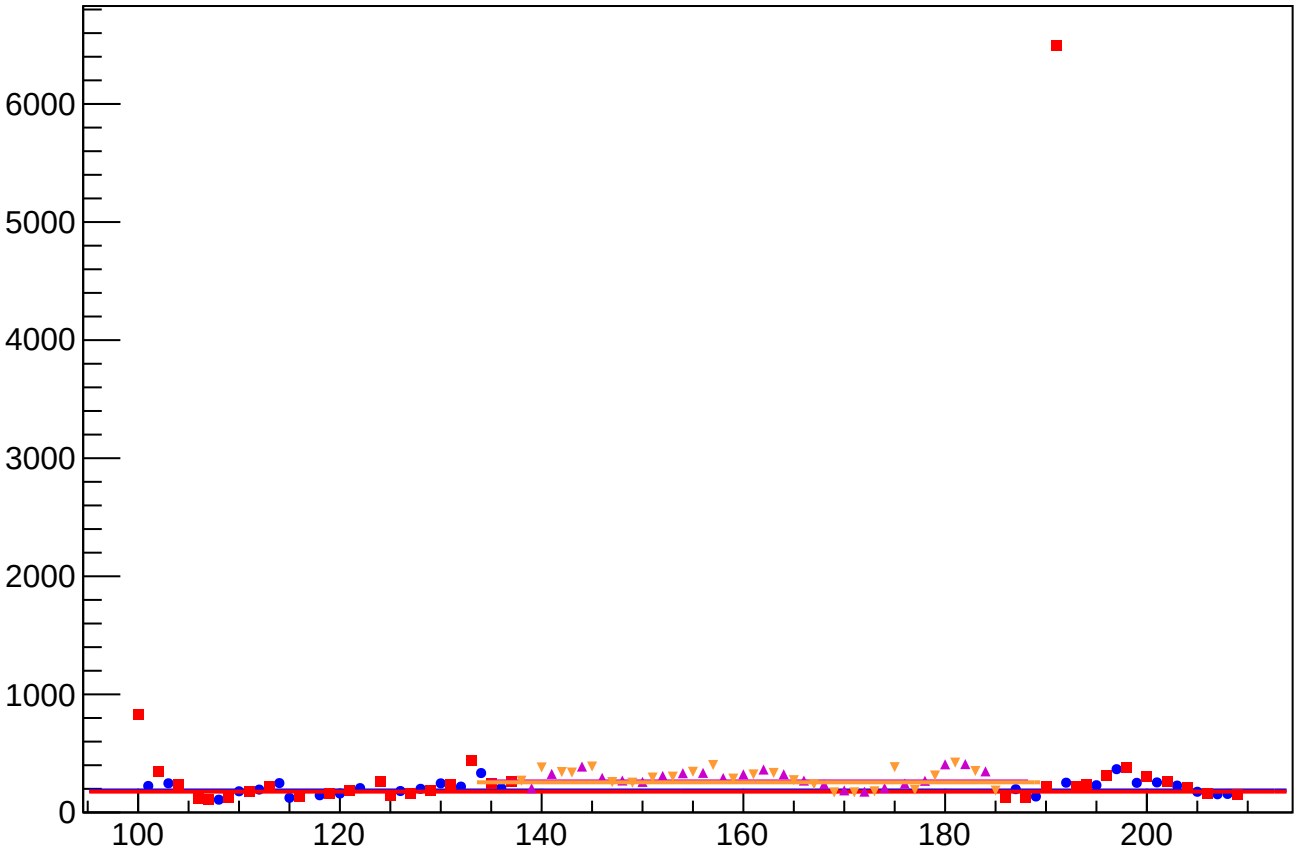
Left: 0.017+/-0.045 χ^2/NDF: 57.2/47

Right: -0.017+/-0.034 χ^2/NDF: 57.9/58

In: 0.046+/-0.039 χ^2/NDF:59.1/49

Out: -0.049+/-0.037 χ^2/NDF:53.4/56

All: -0.004+/-0.027 χ^2/NDF: 115.5/106



Right In: 186.207+/-0.035 χ^2/NDF: 2040177.9/26

Left Out: 255.355+/-0.044 χ^2/NDF:2935324.6/24

Right Out: 176.386+/-0.033 χ^2/NDF: 3584203.1/31

Left In: 262.788+/-0.046 χ^2/NDF:2025363.4/22

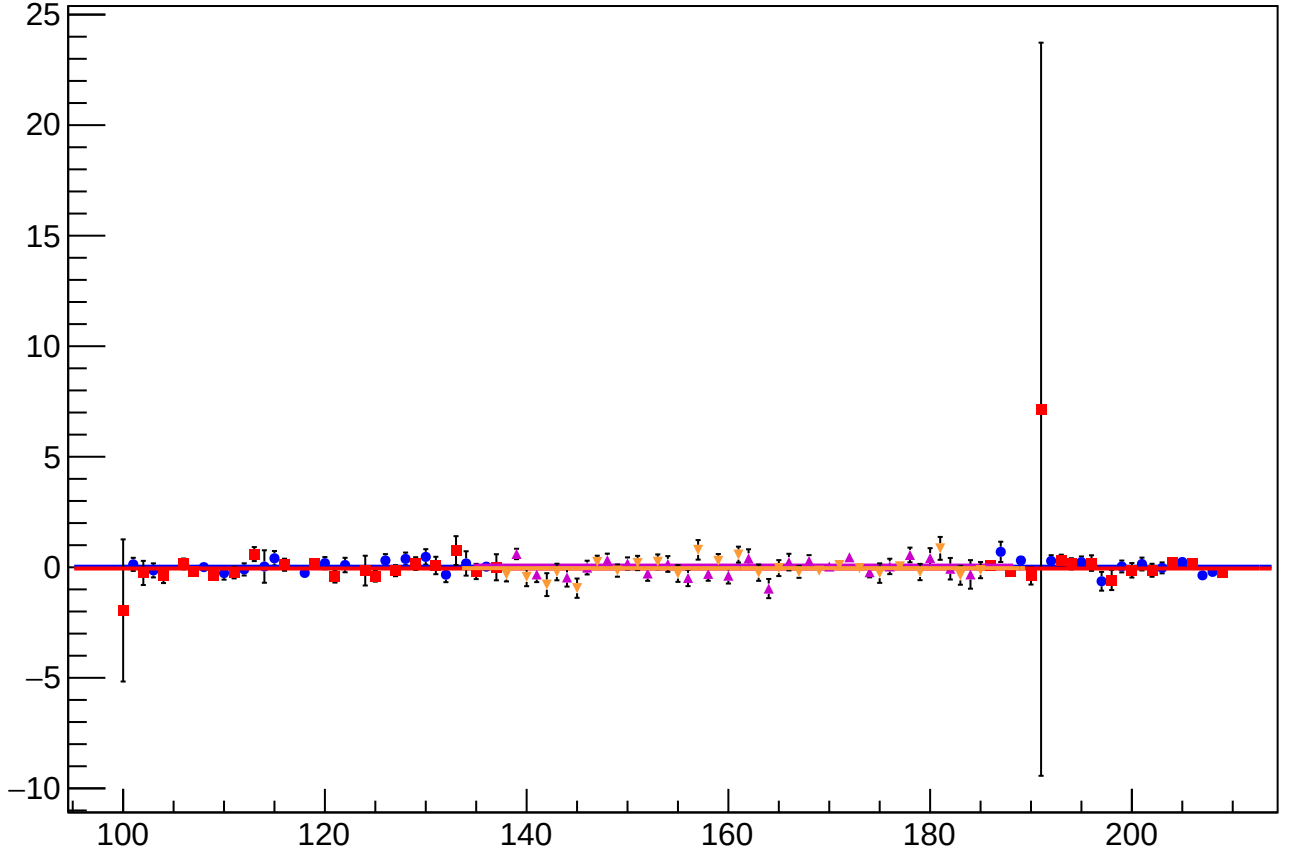
Left: 258.898+/-0.032 χ^2/NDF: 4974421.6/47

Right: 180.991+/-0.024 χ^2/NDF: 5665916.1/58

In: 214.499+/-0.028 χ^2/NDF:5822234.6/49

Out: 204.994+/-0.026 χ^2/NDF:8593910.1/56

All: 209.478+/-0.019 χ^2/NDF: 14477520.1/10



Right In: 0.027+/-0.050 χ^2/NDF: 27.6/26

Left Out: -0.038+/-0.062 χ^2/NDF:24.4/24

Right Out: -0.056+/-0.047 χ^2/NDF: 28.9/31

Left In: 0.078+/-0.065 χ^2/NDF:31.1/22

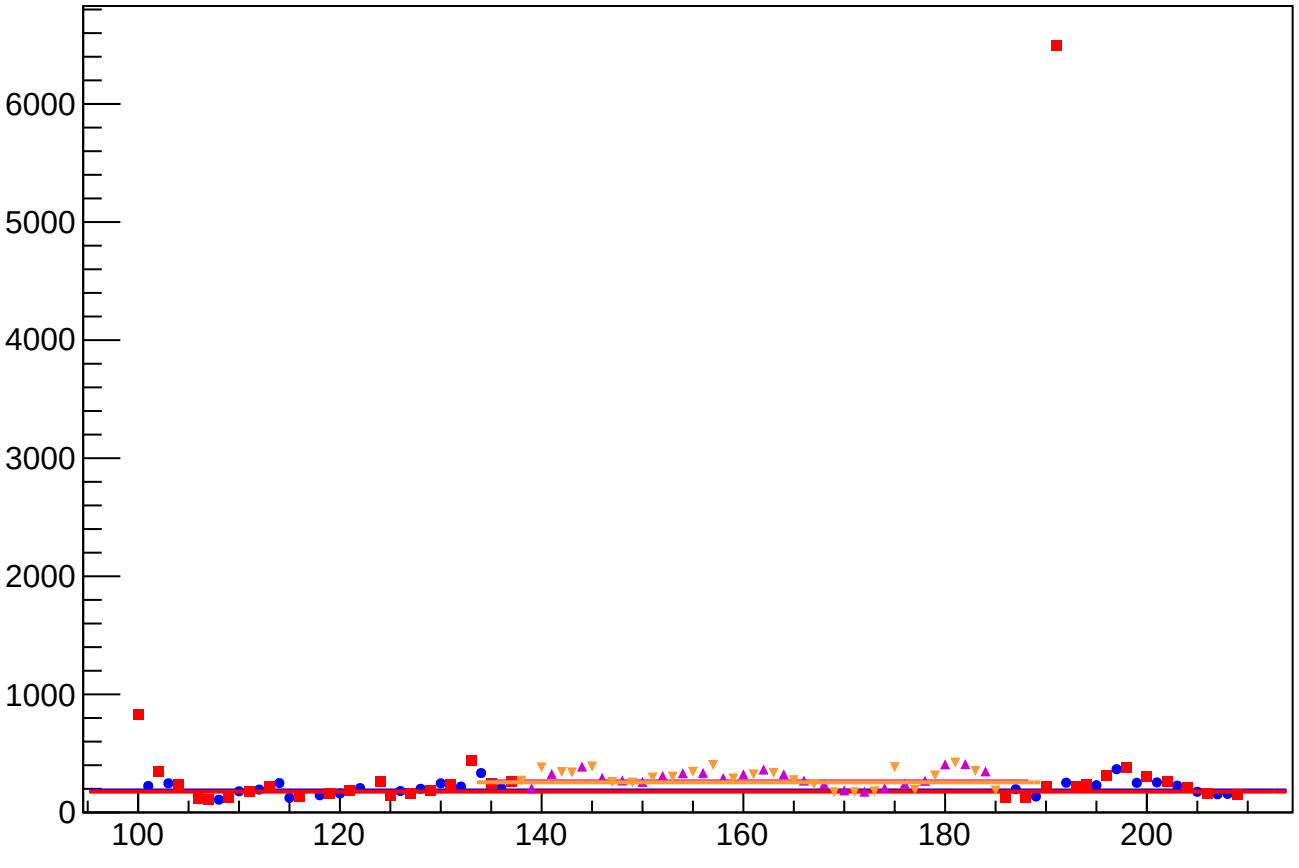
Left: 0.017+/-0.045 χ^2/NDF: 57.2/47

Right: -0.017+/-0.034 χ^2/NDF: 57.9/58

In: 0.046+/-0.039 χ^2/NDF:59.1/49

Out: -0.049+/-0.037 χ^2/NDF:53.4/56

All: -0.004+/-0.027 χ^2/NDF: 115.5/106



Right In: 186.207+/-0.035 χ^2/NDF: 2040177.9/26

Left Out: 255.355+/-0.044 χ^2/NDF:2935324.6/24

Right Out: 176.386+/-0.033 χ^2/NDF: 3584203.1/31

Left In: 262.788+/-0.046 χ^2/NDF:2025363.4/22

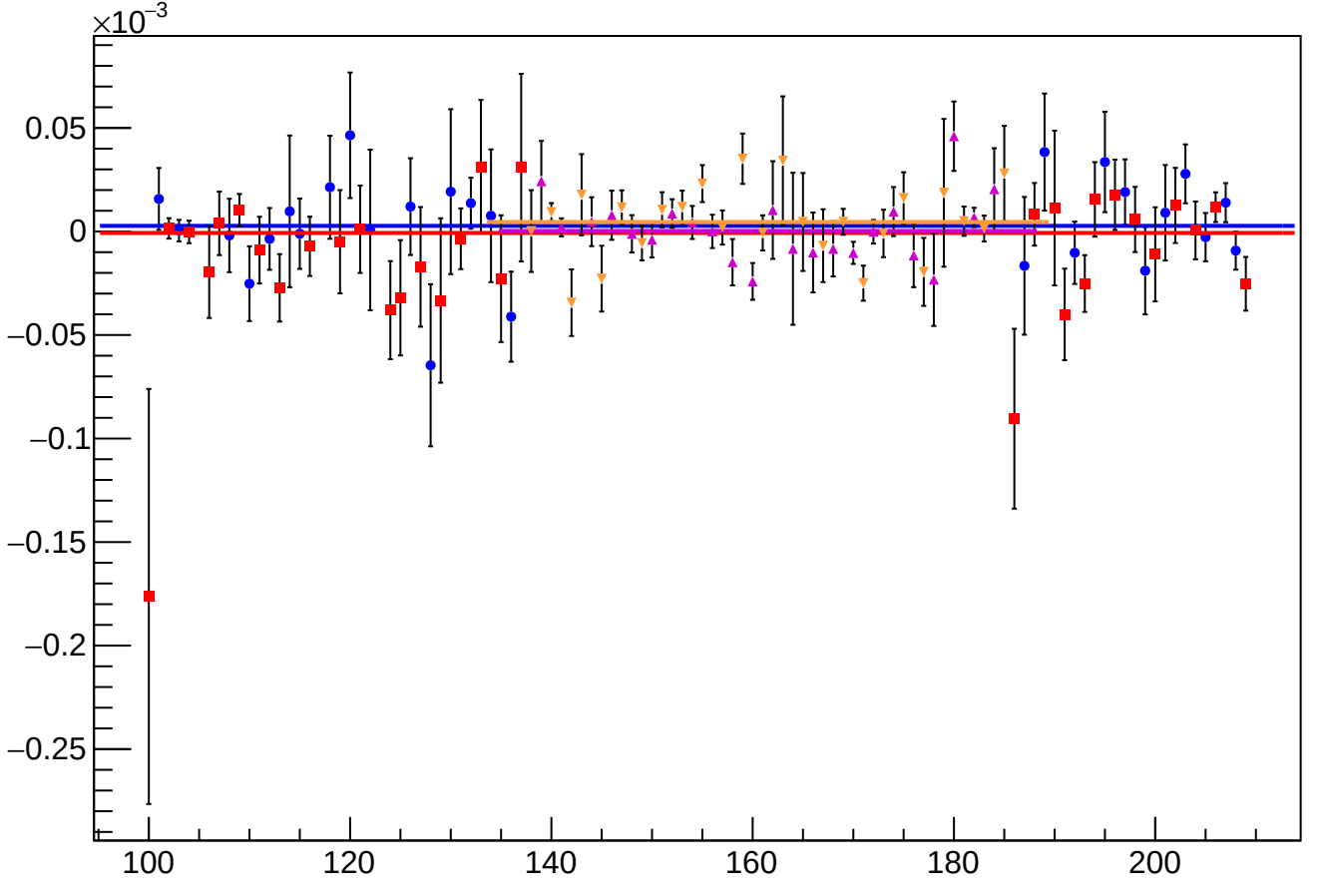
Left: 258.898+/-0.032 χ^2/NDF: 4974421.6/47

Right: 180.991+/-0.024 χ^2/NDF: 5665916.1/58

In: 214.499+/-0.028 χ^2/NDF:5822234.6/49

Out: 204.994+/-0.026 χ^2/NDF:8593910.1/56

All: 209.478+/-0.019 χ^2/NDF: 14477520.1/10



Right In: 0.000+/-0.000 χ^2/NDF: 27.4/26

Left Out: 0.000+/-0.000 χ^2/NDF:43.4/24

Right Out: -0.000+/-0.000 χ^2/NDF: 36.6/31

Left In: 0.000+/-0.000 χ^2/NDF:31.2/22

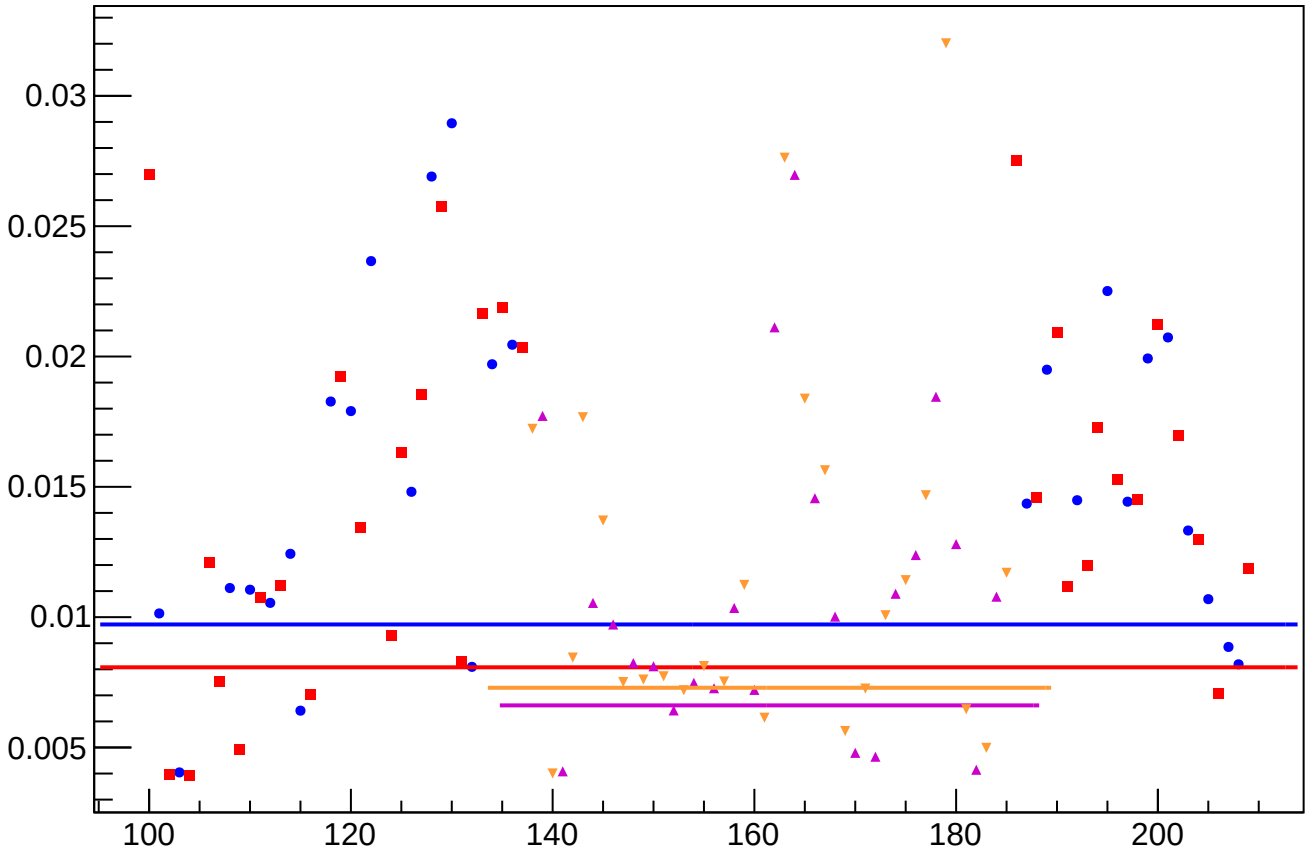
Left: 0.000+/-0.000 χ^2/NDF: 77.4/47

Right: 0.000+/-0.000 χ^2/NDF: 64.8/58

In: 0.000+/-0.000 χ^2/NDF:59.2/49

Out: 0.000+/-0.000 χ^2/NDF:83.1/56

All: 0.000+/-0.000 χ^2/NDF: 142.8/106



Right In: 0.010+/-0.000 χ^2/NDF: 7154776.7/26

Left Out: 0.007+/-0.000 χ^2/NDF:6772003.6/24

Right Out: 0.008+/-0.000 χ^2/NDF: 9467929.1/31

Left In: 0.007+/-0.000 χ^2/NDF:6410135.0/22

Left: 0.007+/-0.000 χ^2/NDF: 13317745.0/47

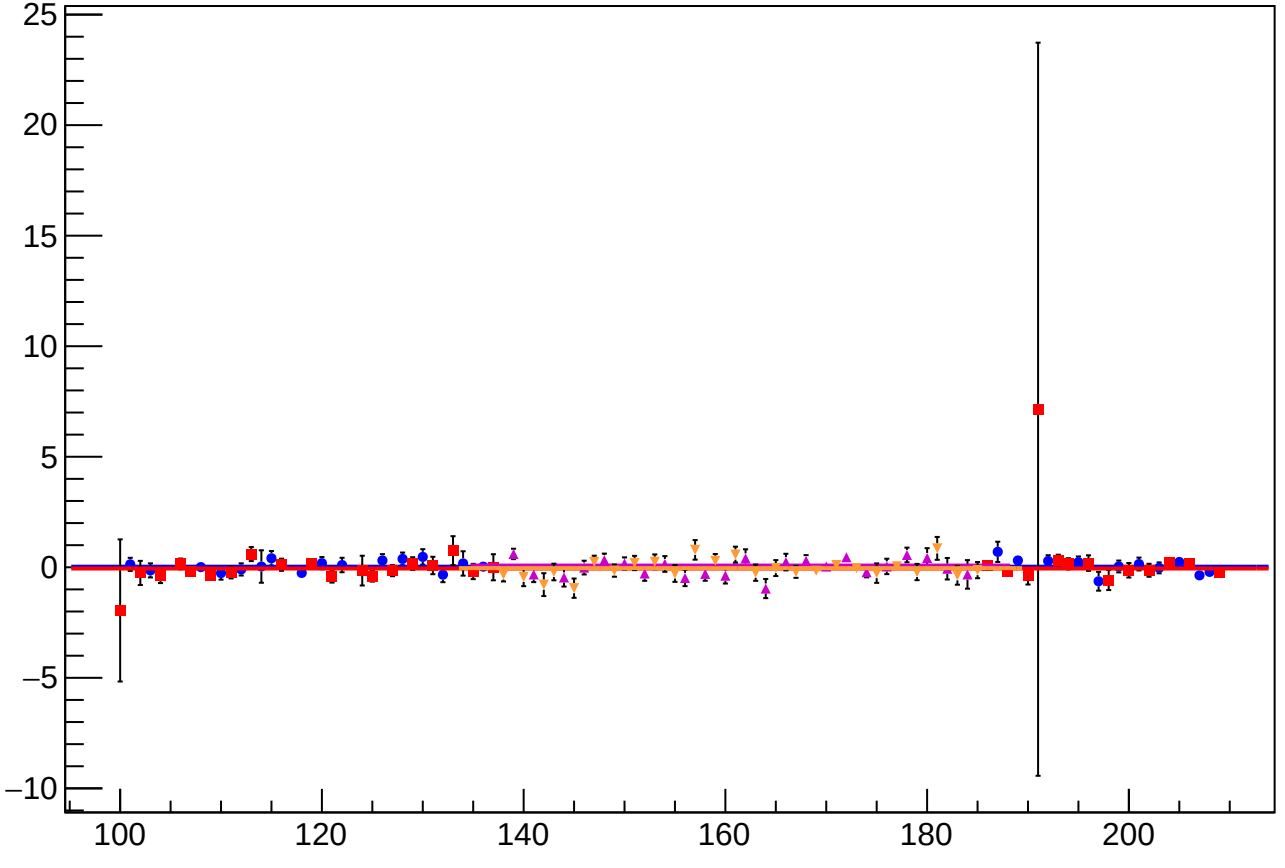
Right: 0.009+/-0.000 χ^2/NDF: 17024551.6/58

In: 0.008+/-0.000 χ^2/NDF:15275442.6/49

Out: 0.008+/-0.000 χ^2/NDF:16377827.6/56

All: 0.008+/-0.000 χ^2/NDF: 31657598.7/106

asym_atr_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.027+/-0.050 χ^2/NDF: 27.6/26

Left Out: -0.038+/-0.062 χ^2/NDF:24.4/24

Right Out: -0.056+/-0.047 χ^2/NDF: 28.9/31

Left In: 0.078+/-0.065 χ^2/NDF:31.1/22

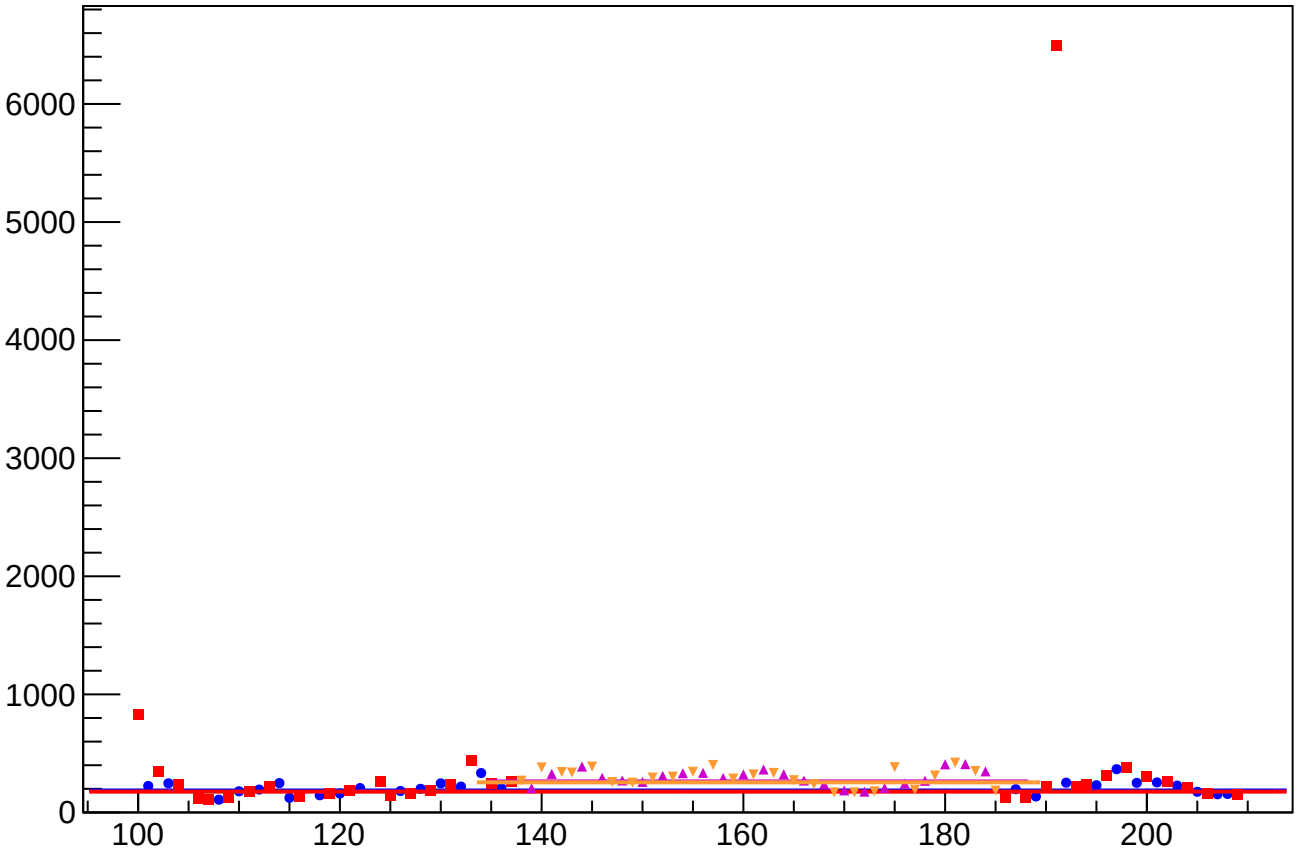
Left: 0.017+/-0.045 χ^2/NDF: 57.2/47

Right: -0.017+/-0.034 χ^2/NDF: 57.9/58

In: 0.046+/-0.039 χ^2/NDF:59.0/49

Out: -0.049+/-0.037 χ^2/NDF:53.4/56

All: -0.004+/-0.027 χ^2/NDF: 115.5/106



Right In: 186.207+/-0.035 χ^2/NDF: 2040175.2/26

Left Out: 255.357+/-0.044 χ^2/NDF:2935428.4/24

Right Out: 176.387+/-0.033 χ^2/NDF: 3584169.4/31

Left In: 262.790+/-0.046 χ^2/NDF:2025402.0/22

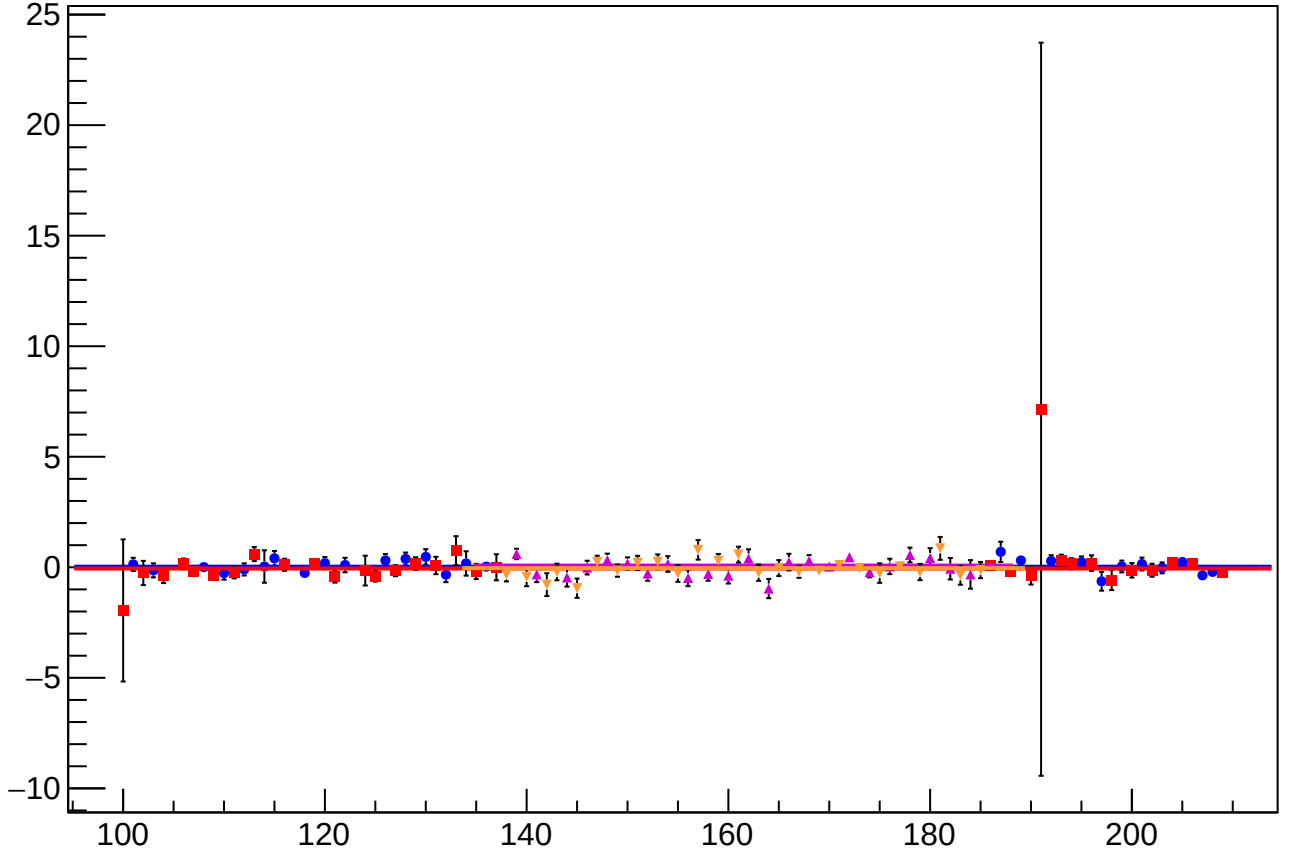
Left: 258.900+/-0.032 χ^2/NDF: 4974565.9/47

Right: 180.992+/-0.024 χ^2/NDF: 5665869.8/58

In: 214.500+/-0.028 χ^2/NDF:5822356.9/49

Out: 204.995+/-0.026 χ^2/NDF:8593981.8/56

All: 209.479+/-0.019 χ^2/NDF: 14477703.3/10



Right In: 0.027+/-0.050 χ^2/NDF: 27.6/26

Left Out: -0.038+/-0.062 χ^2/NDF:24.4/24

Right Out: -0.056+/-0.047 χ^2/NDF: 28.9/31

Left In: 0.078+/-0.065 χ^2/NDF:31.1/22

Left: 0.017+/-0.045 χ^2/NDF: 57.2/47

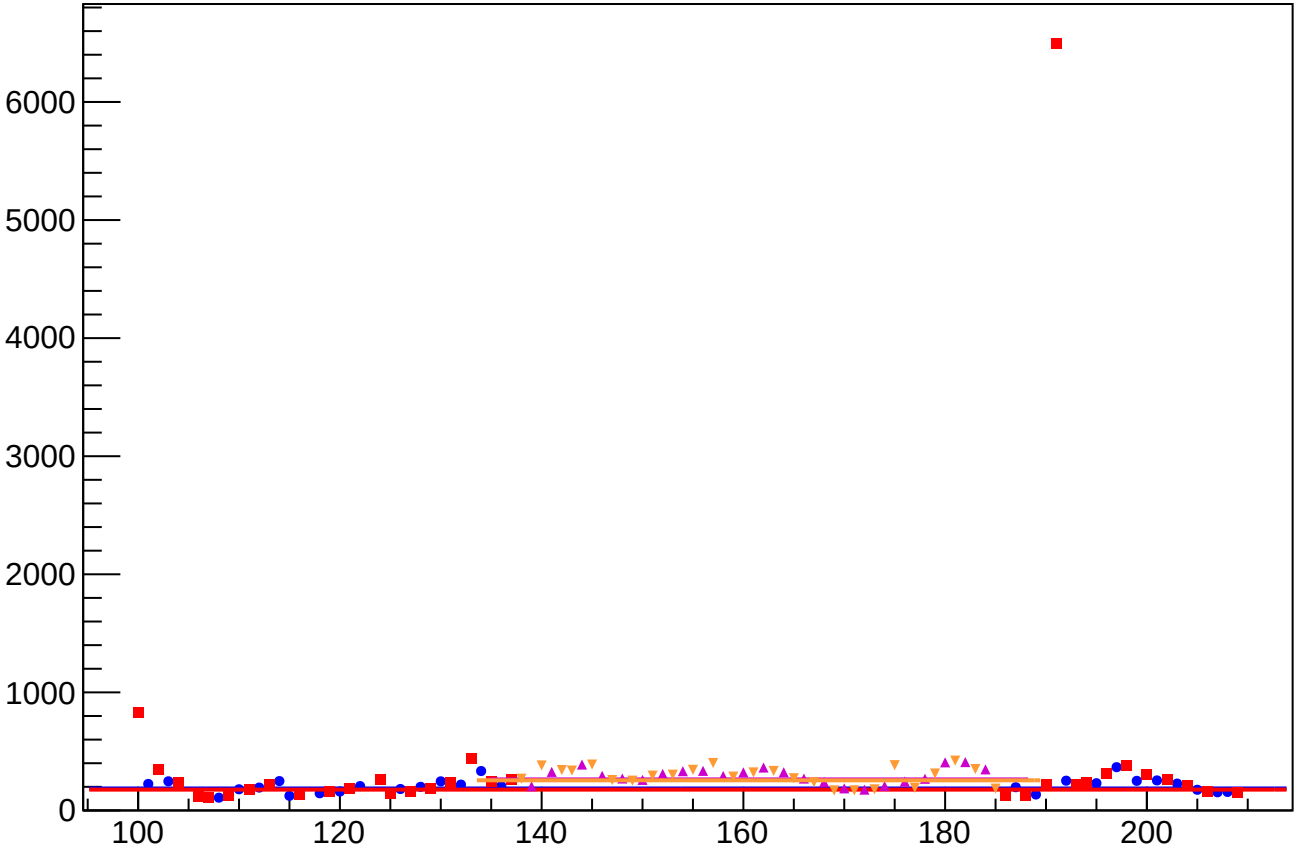
Right: -0.017+/-0.034 χ^2/NDF: 57.9/58

In: 0.046+/-0.039 χ^2/NDF:59.0/49

Out: -0.049+/-0.037 χ^2/NDF:53.4/56

All: -0.004+/-0.027 χ^2/NDF: 115.5/106

asym_atr_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 186.207+/-0.035 χ^2/NDF: 2040175.2/26

Left Out: 255.357+/-0.044 χ^2/NDF:2935428.4/24

Right Out: 176.387+/-0.033 χ^2/NDF: 3584169.4/31

Left In: 262.790+/-0.046 χ^2/NDF:2025402.0/22

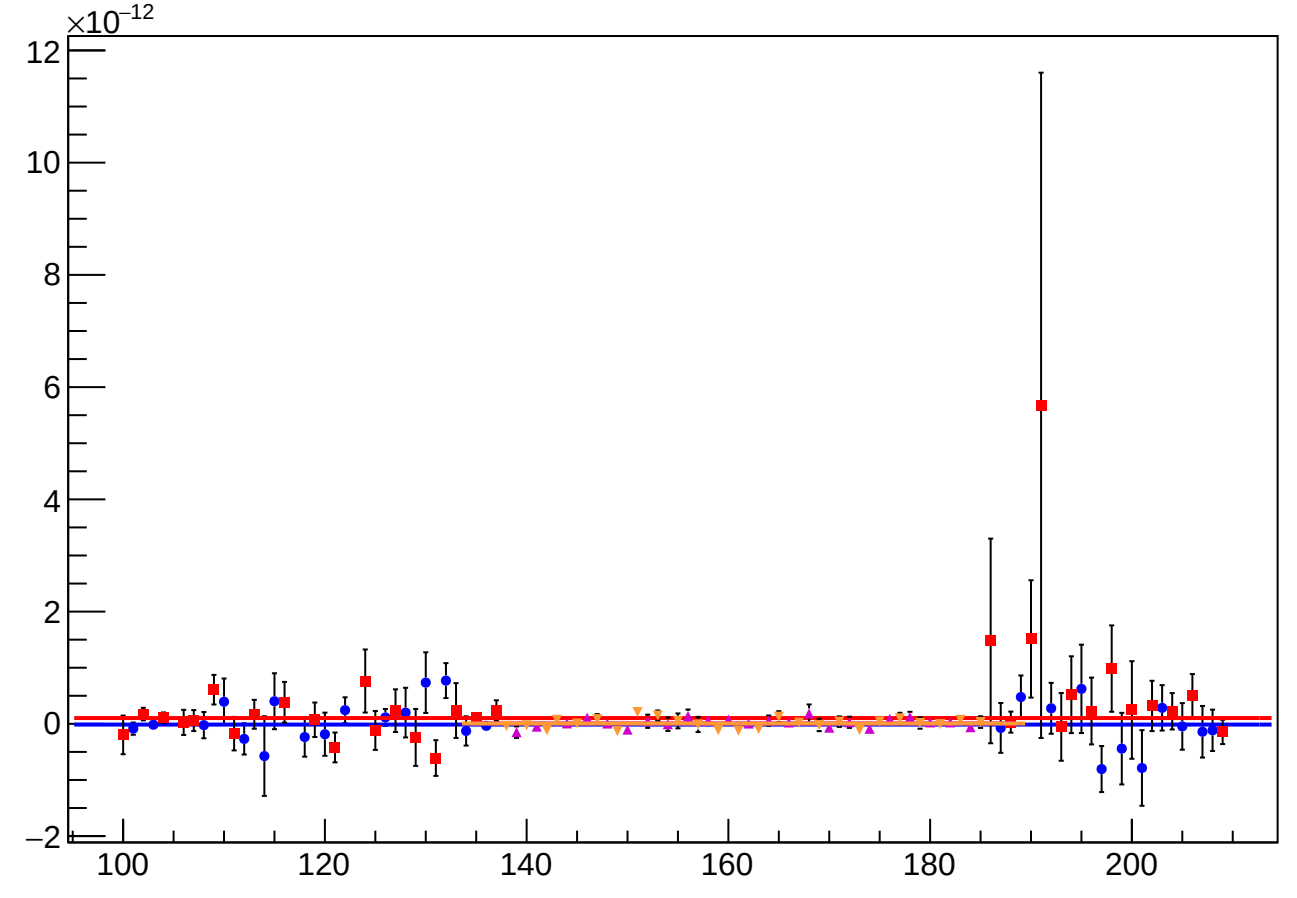
Left: 258.900+/-0.032 χ^2/NDF: 4974565.9/47

Right: 180.992+/-0.024 χ^2/NDF: 5665869.8/58

In: 214.500+/-0.028 χ^2/NDF:5822356.9/49

Out: 204.995+/-0.026 χ^2/NDF:8593981.8/56

All: 209.479+/-0.019 χ^2/NDF: 14477703.3/10



Right In: -0.000+/-0.000 χ^2/NDF: 24.0/26

Left Out: 0.000+/-0.000 χ^2/NDF:30.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 26.4/31

Left In: 0.000+/-0.000 χ^2/NDF:21.2/22

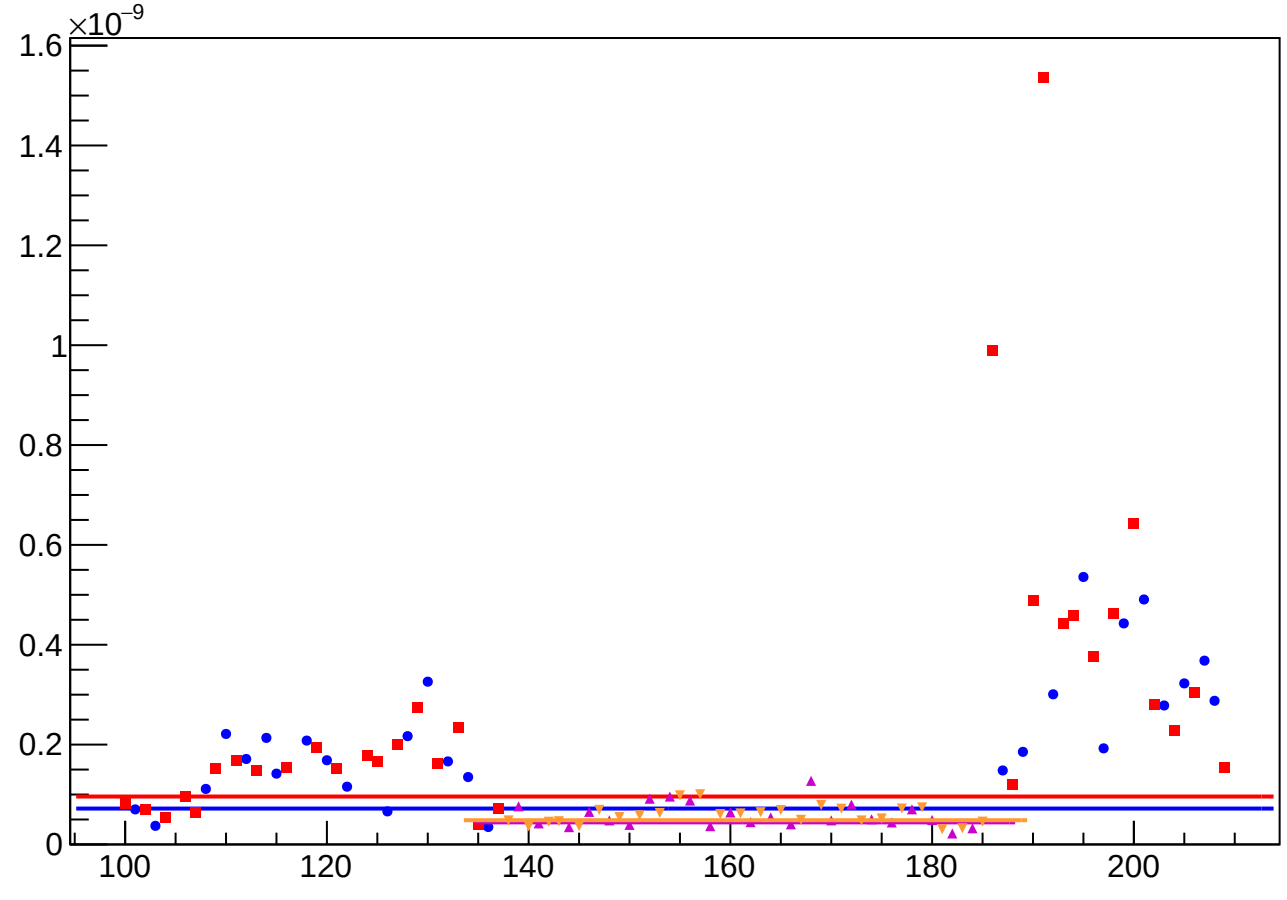
Left: 0.000+/-0.000 χ^2/NDF: 51.8/47

Right: 0.000+/-0.000 χ^2/NDF: 55.4/58

In: 0.000+/-0.000 χ^2/NDF:45.6/49

Out: 0.000+/-0.000 χ^2/NDF:62.3/56

All: 0.000+/-0.000 χ^2/NDF: 108.3/106



Right In: 0.000+/-0.000 χ^2/NDF: 9464479.9/26

Left Out: 0.000+/-0.000 χ^2/NDF:2493290.7/24

Right Out: 0.000+/-0.000 χ^2/NDF: 8315100.6/31

Left In: 0.000+/-0.000 χ^2/NDF:3624474.0/22

Left: 0.000+/-0.000 χ^2/NDF: 6214196.4/47

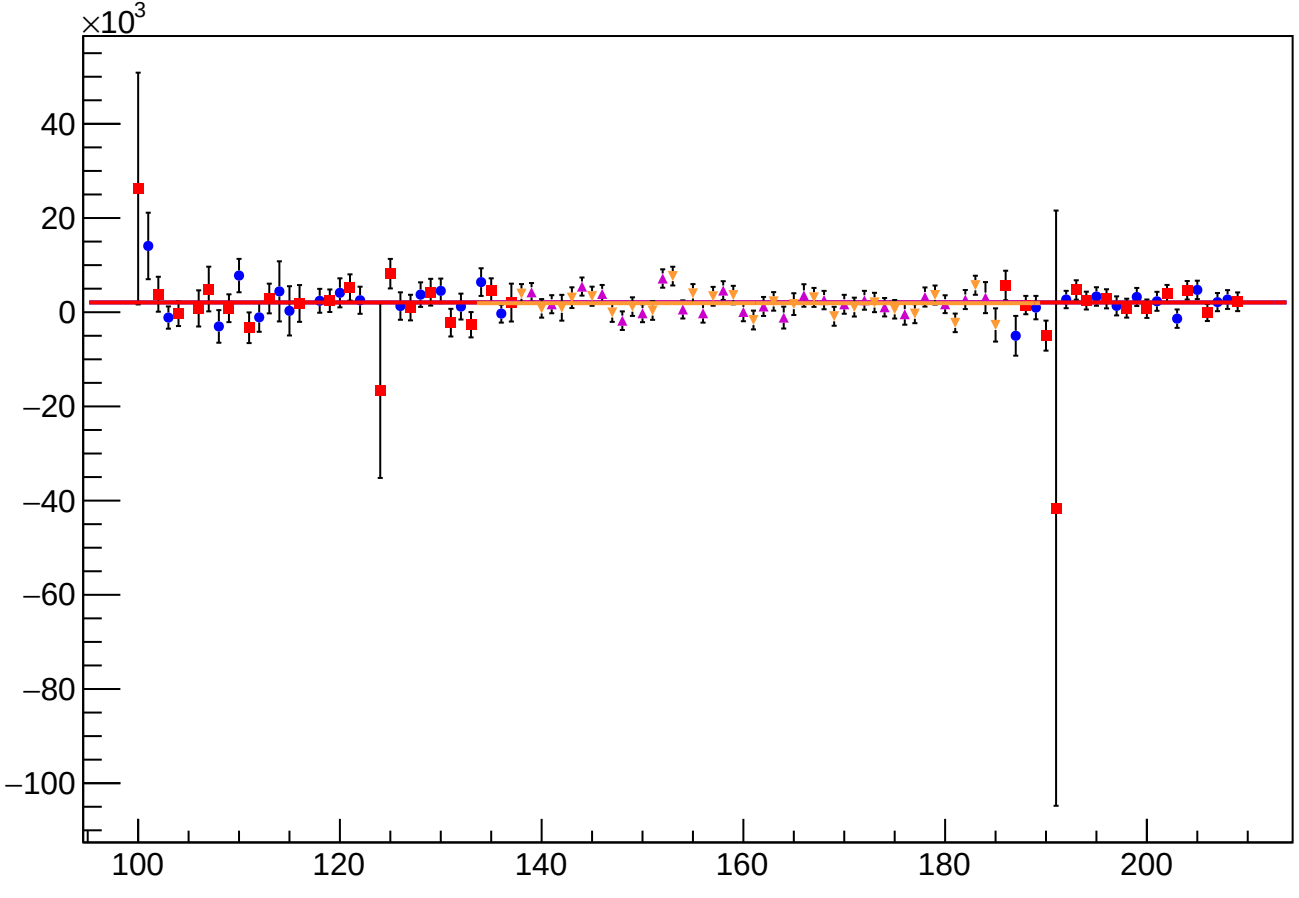
Right: 0.000+/-0.000 χ^2/NDF: 18207905.3/58

In: 0.000+/-0.000 χ^2/NDF:14219779.6/49

Out: 0.000+/-0.000 χ^2/NDF:13386311.4/56

All: 0.000+/-0.000 χ^2/NDF: 27811564.2/106

reg_asym_at1_avg_mean vs Slug, Sign Corrected



Right In: 2082.664+/-475.563 χ^2/NDF: 25.5/26

Left Out: 1920.623+/-412.915 χ^2/NDF:32.5/24

Right Out: 2072.428+/-463.188 χ^2/NDF: 32.0/31

Left In: 2074.205+/-423.203 χ^2/NDF:26.5/22

Left: 1995.525+/-295.545 χ^2/NDF: 59.1/47

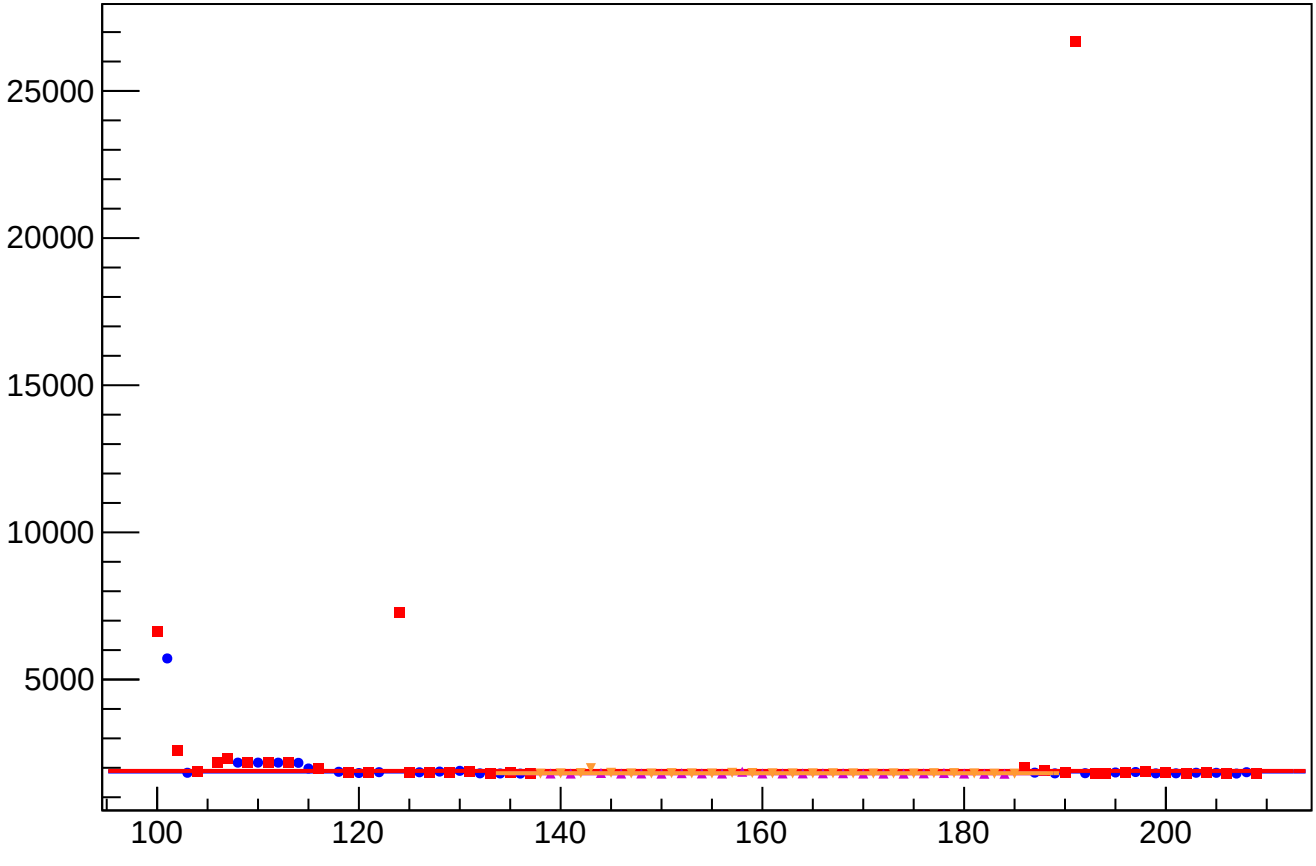
Right: 2077.411+/-331.812 χ^2/NDF: 57.5/58

In: 2077.943+/-316.147 χ^2/NDF:52.1/49

Out: 1987.843+/-308.222 χ^2/NDF:64.6/56

All: 2031.750+/-220.695 χ^2/NDF: 116.7/106

reg_asym_at1_avg_rms vs Slug, Sign Corrected



Right In: 1873.173+/-0.336 χ^2/NDF: 665564.9/26

Left Out: 1817.524+/-0.292 χ^2/NDF:12955.2/24

Right Out: 1894.328+/-0.328 χ^2/NDF: 737501.3/31

Left In: 1812.545+/-0.299 χ^2/NDF:2013.0/22

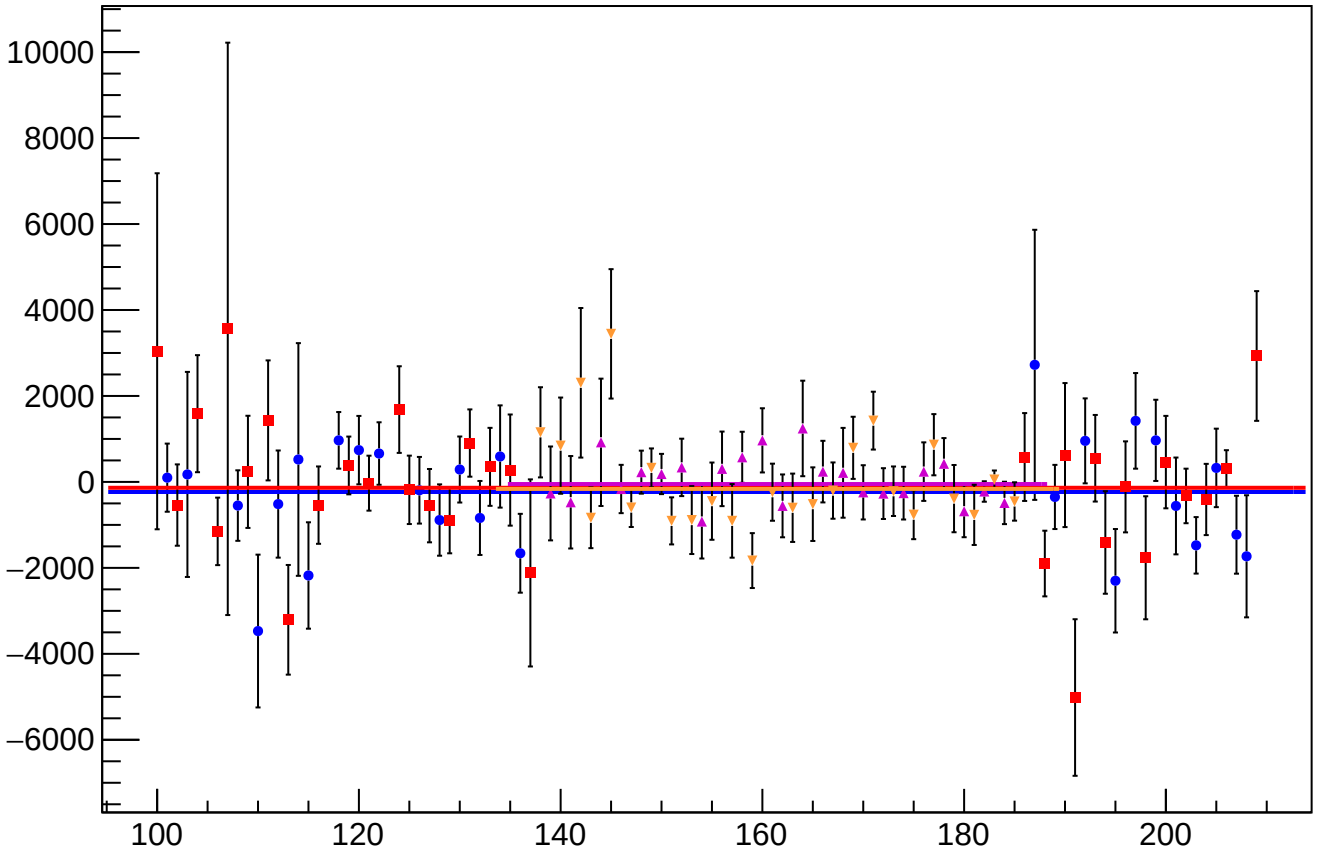
Left: 1815.096+/-0.209 χ^2/NDF: 15110.1/47

Right: 1884.029+/-0.235 χ^2/NDF: 1405097.1/58

In: 1839.339+/-0.224 χ^2/NDF:685718.5/49

Out: 1851.533+/-0.218 χ^2/NDF:781096.3/56

All: 1845.591+/-0.156 χ^2/NDF: 1468340.3/10



Right In: -234.443+/-181.407 χ^2/NDF: 32.5/26

Left Out: -162.996+/-115.295 χ^2/NDF:36.8/24

Right Out: -136.443+/-163.545 χ^2/NDF: 41.6/31

Left In: -49.290+/-122.691 χ^2/NDF:11.3/22

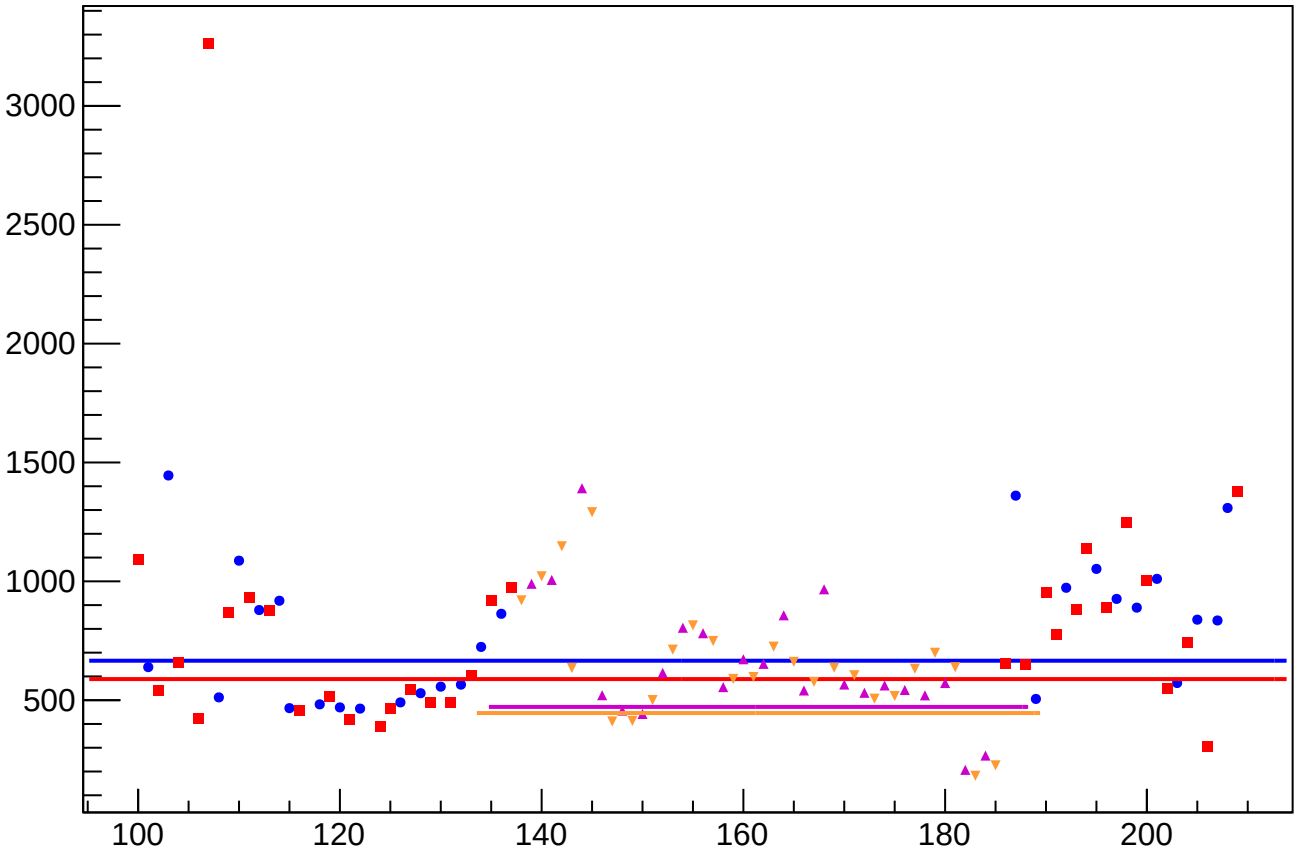
Left: -109.673+/-84.019 χ^2/NDF: 48.6/47

Right: -180.382+/-121.469 χ^2/NDF: 74.3/58

In: -107.402+/-101.630 χ^2/NDF:44.6/49

Out: -154.180+/-94.233 χ^2/NDF:78.5/56

All: -132.555+/-69.100 χ^2/NDF: 123.2/106



Right In: 666.054+/-0.128 χ^2/NDF: 2867127.8/26

Left Out: 445.893+/-0.082 χ^2/NDF:7982455.6/24

Right Out: 588.798+/-0.116 χ^2/NDF: 4466559.0/31

Left In: 471.746+/-0.087 χ^2/NDF:6413905.5/22

Left: 458.017+/-0.059 χ^2/NDF: 14443518.4/47

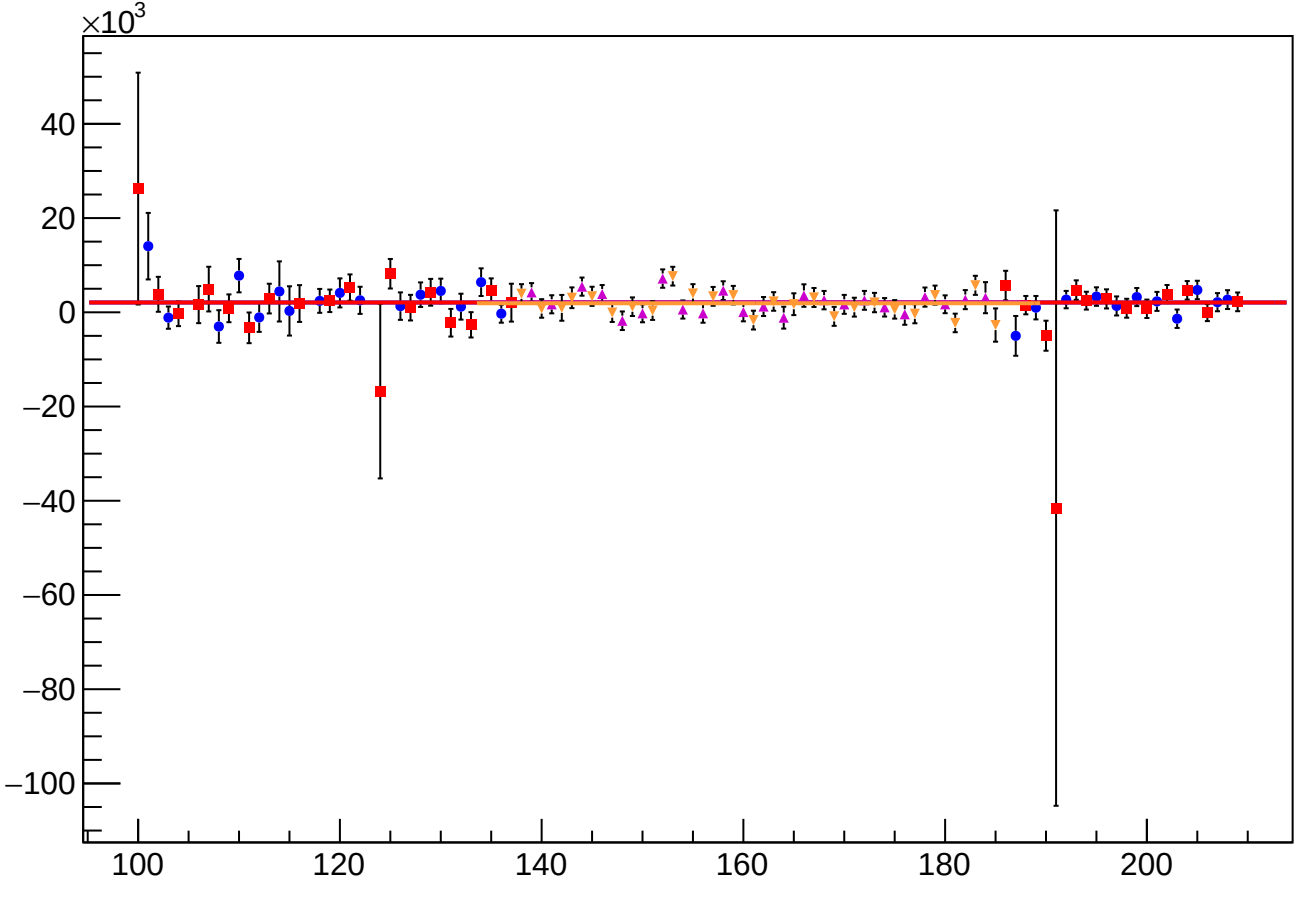
Right: 623.436+/-0.086 χ^2/NDF: 7533787.5/58

In: 532.731+/-0.072 χ^2/NDF:10855453.1/49

Out: 493.336+/-0.067 χ^2/NDF:13469083.9/56

All: 511.548+/-0.049 χ^2/NDF: 24486126.1/10

cor_asym_at1_avg_mean vs Slug, Sign Corrected



Right In: 2082.588+/-475.563 χ^2/NDF: 25.5/26

Left Out: 1920.588+/-412.915 χ^2/NDF:32.5/24

Right Out: 2084.796+/-463.350 χ^2/NDF: 31.9/31

Left In: 2074.306+/-423.203 χ^2/NDF:26.5/22

Left: 1995.556+/-295.545 χ^2/NDF: 59.1/47

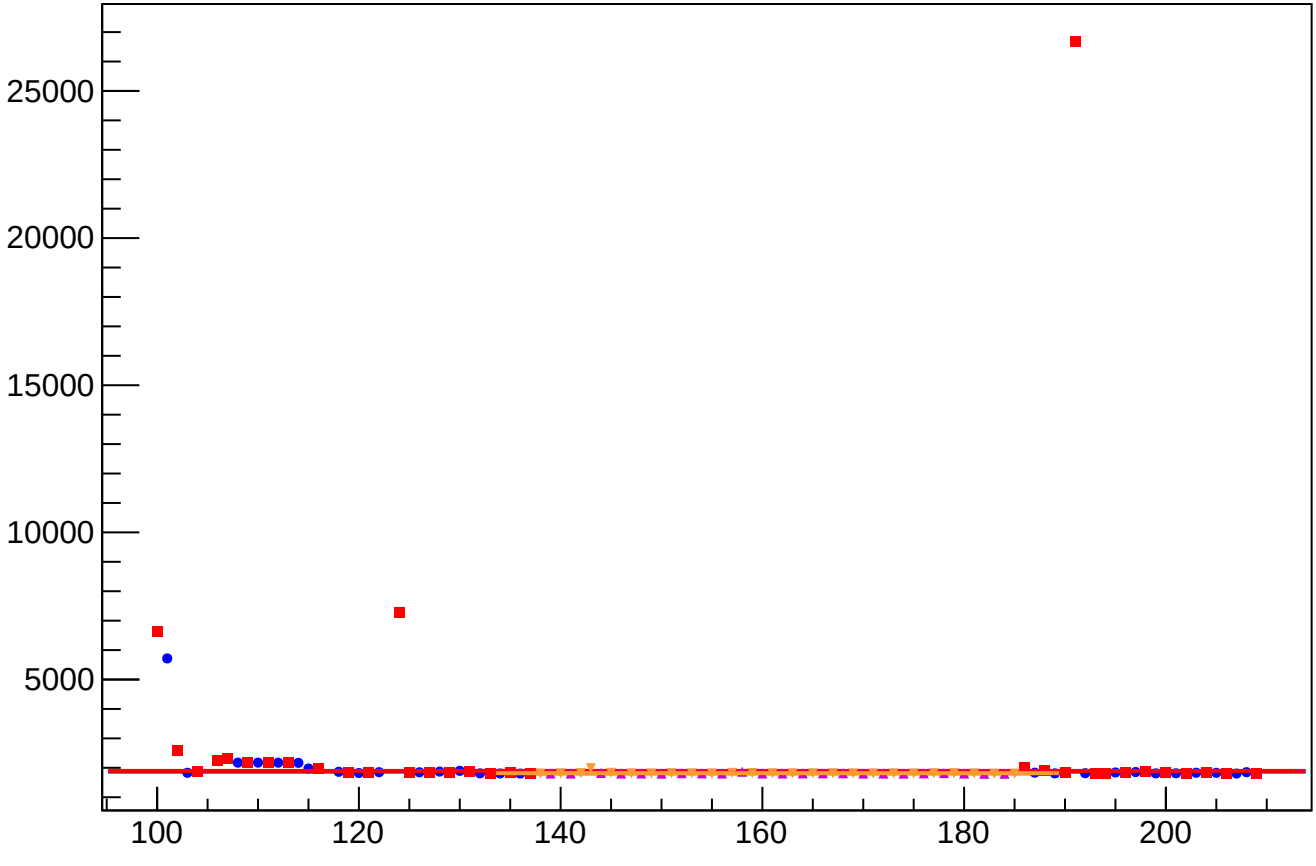
Right: 2083.721+/-331.871 χ^2/NDF: 57.4/58

In: 2077.966+/-316.147 χ^2/NDF:52.1/49

Out: 1993.272+/-308.270 χ^2/NDF:64.5/56

All: 2034.551+/-220.712 χ^2/NDF: 116.6/106

cor_asym_at1_avg_rms vs Slug, Sign Corrected



Right In: 1873.173+/-0.336 χ^2/NDF: 665564.8/26

Left Out: 1817.524+/-0.292 χ^2/NDF:12955.2/24

Right Out: 1894.824+/-0.328 χ^2/NDF: 741164.6/31

Left In: 1812.545+/-0.299 χ^2/NDF:2013.0/22

Left: 1815.096+/-0.209 χ^2/NDF: 15110.1/47

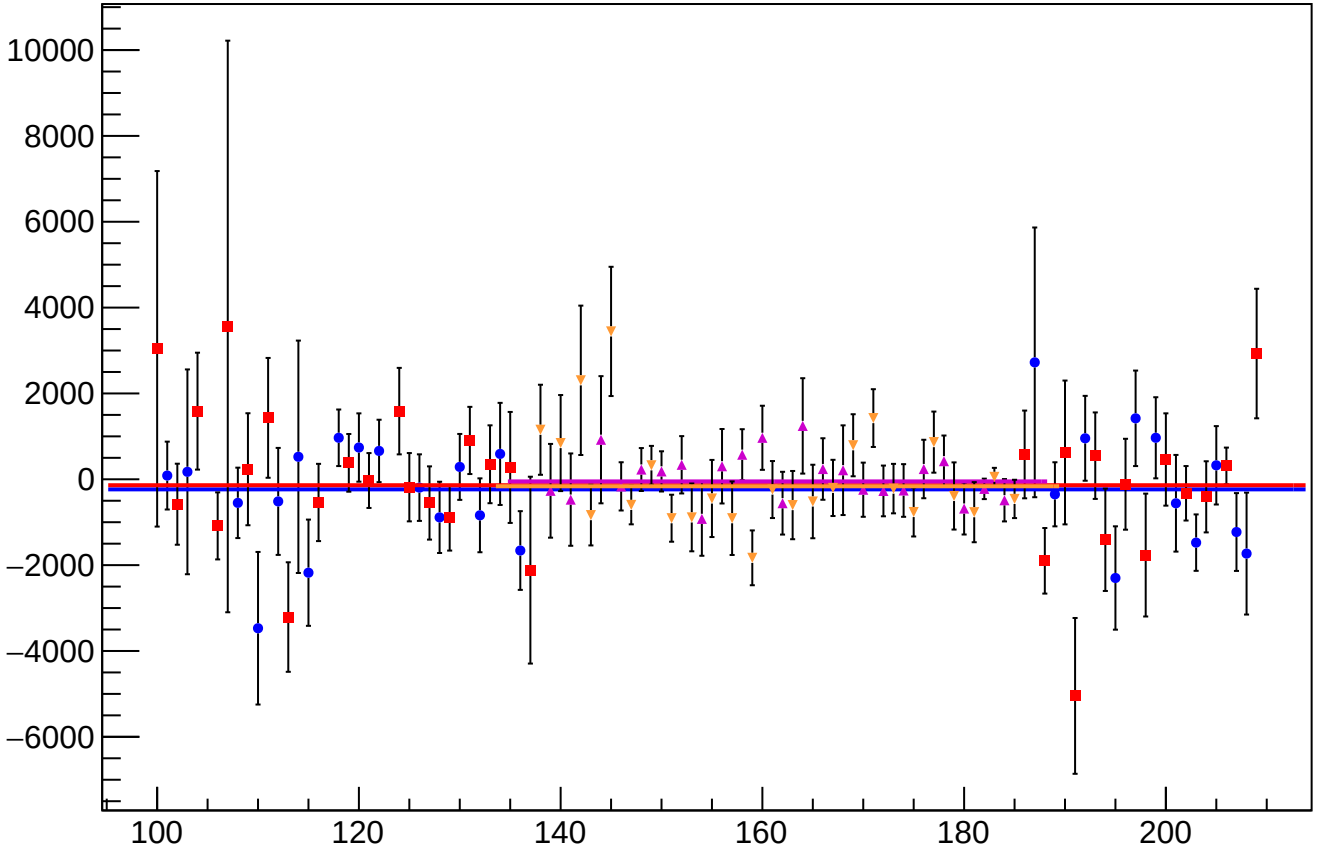
Right: 1884.280+/-0.235 χ^2/NDF: 1408856.0/58

In: 1839.339+/-0.224 χ^2/NDF:685718.4/49

Out: 1851.740+/-0.218 χ^2/NDF:785144.6/56

All: 1845.696+/-0.156 χ^2/NDF: 1472440.4/10

asym_at1_avg_cor_correction_mean vs Slug, Sign Corrected



Right In: -234.903+/-181.383 χ^2/NDF: 32.5/26

Left Out: -162.911+/-115.291 χ^2/NDF:36.9/24

Right Out: -138.285+/-163.483 χ^2/NDF: 41.3/31

Left In: -49.310+/-122.694 χ^2/NDF:11.3/22

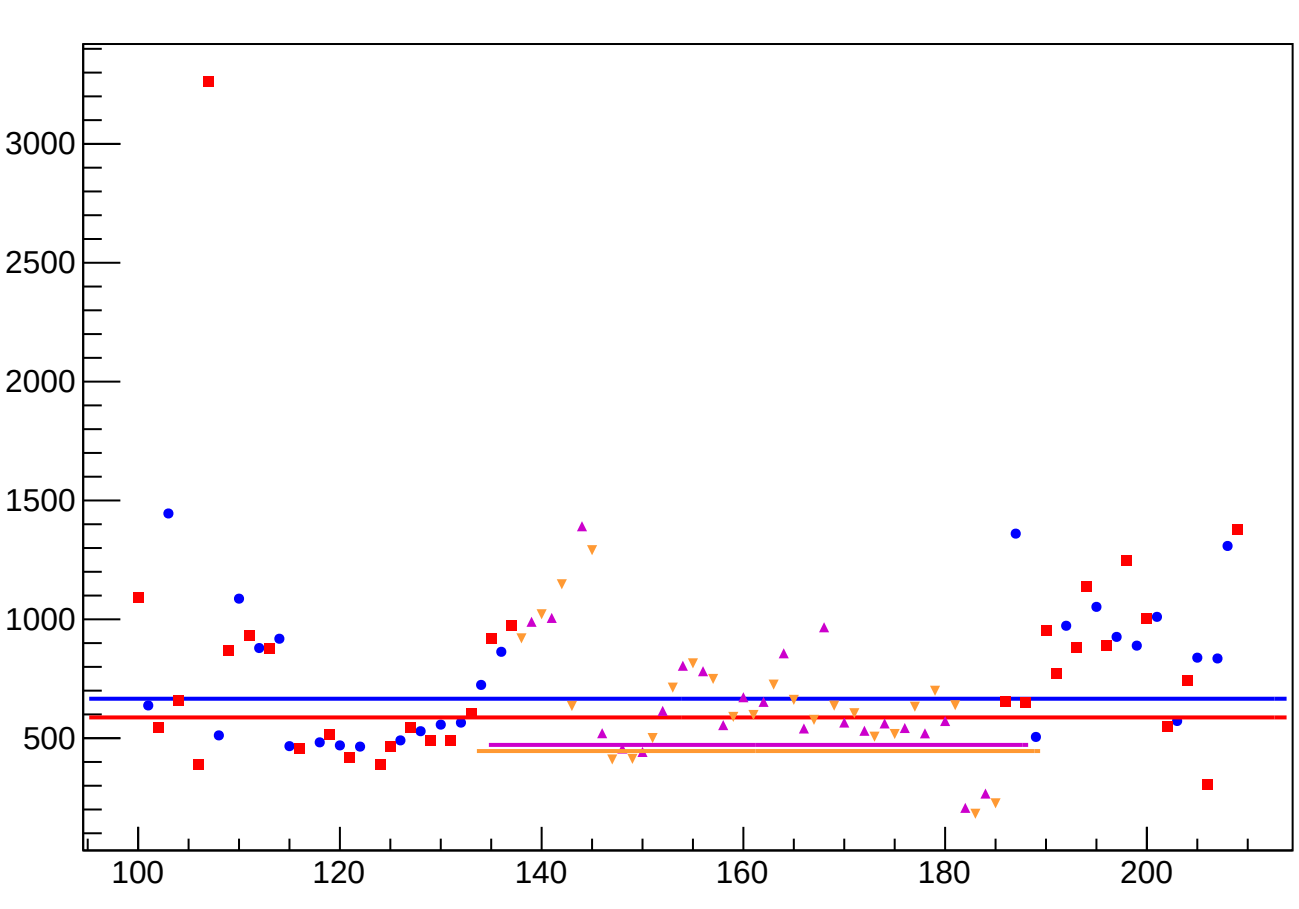
Left: -109.640+/-84.018 χ^2/NDF: 48.6/47

Right: -181.593+/-121.437 χ^2/NDF: 74.0/58

In: -107.571+/-101.627 χ^2/NDF:44.6/49

Out: -154.732+/-94.219 χ^2/NDF:78.2/56

All: -132.933+/-69.093 χ^2/NDF: 122.9/106



Right In: 665.976+/-0.128 χ^2/NDF: 2867440.4/26

Left Out: 445.867+/-0.082 χ^2/NDF:7983869.6/24

Right Out: 587.334+/-0.116 χ^2/NDF: 4507284.7/31

Left In: 471.757+/-0.087 χ^2/NDF:6413685.0/22

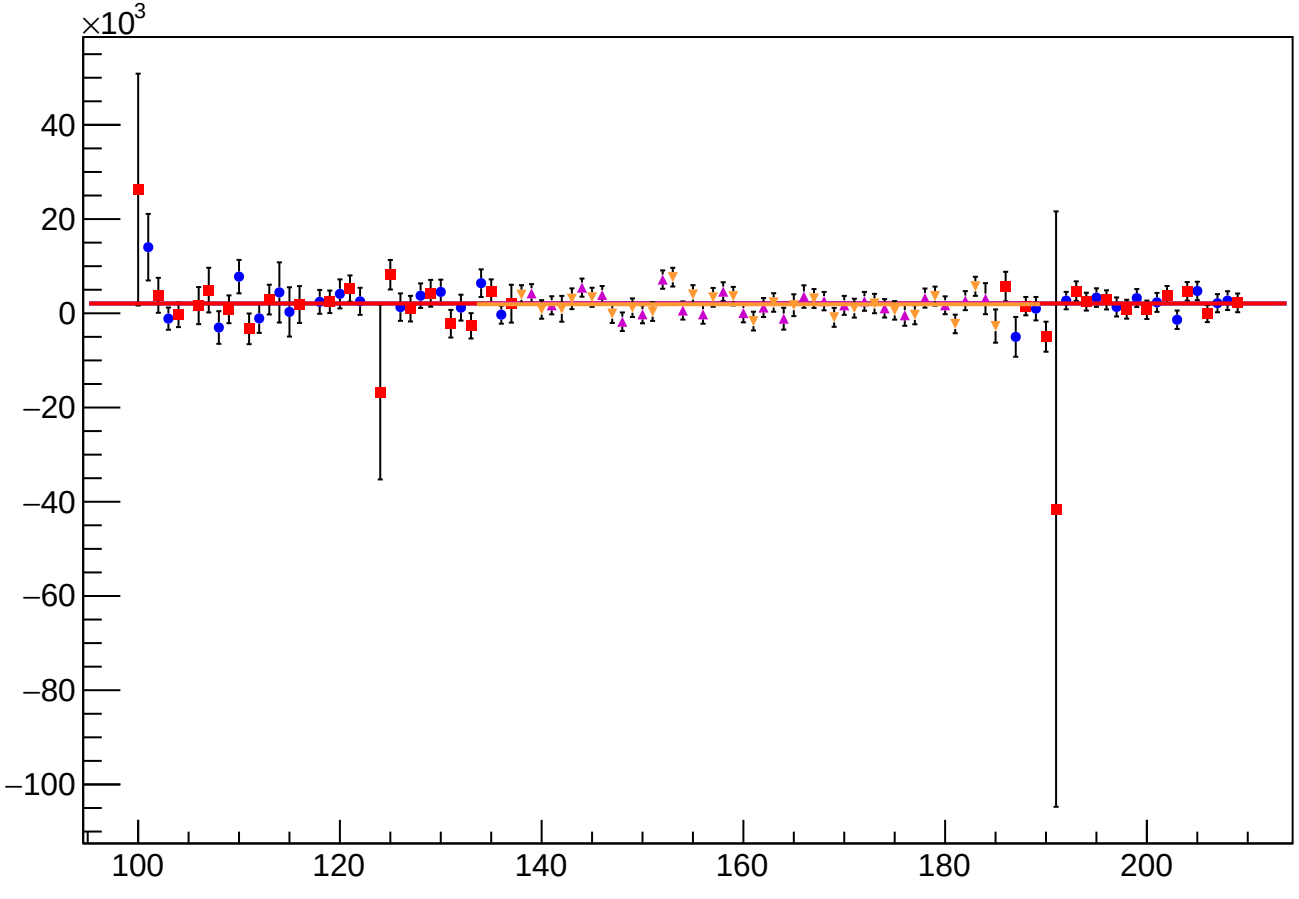
Left: 458.008+/-0.059 χ^2/NDF: 14444849.4/47

Right: 622.584+/-0.086 χ^2/NDF: 7582165.9/58

In: 532.727+/-0.072 χ^2/NDF:10854352.6/49

Out: 492.855+/-0.067 χ^2/NDF:13491334.8/56

All: 511.285+/-0.049 χ^2/NDF: 24511244.3/10



Right In: 2082.588+/-475.563 χ^2/NDF: 25.5/26

Left Out: 1920.588+/-412.915 χ^2/NDF:32.5/24

Right Out: 2084.796+/-463.350 χ^2/NDF: 31.9/31

Left In: 2074.306+/-423.203 χ^2/NDF:26.5/22

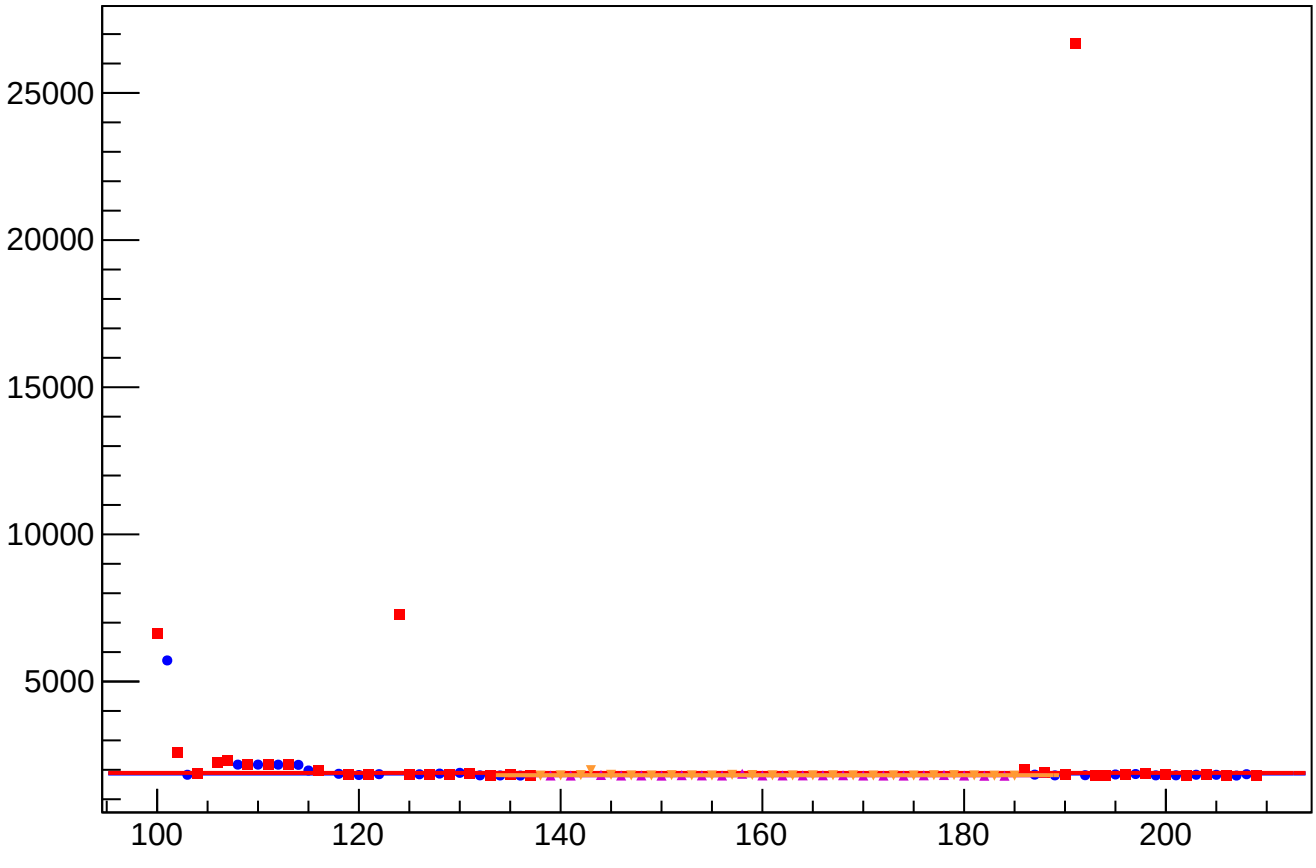
Left: 1995.556+/-295.545 χ^2/NDF: 59.1/47

Right: 2083.721+/-331.871 χ^2/NDF: 57.4/58

In: 2077.966+/-316.147 χ^2/NDF:52.1/49

Out: 1993.272+/-308.270 χ^2/NDF:64.5/56

All: 2034.551+/-220.712 χ^2/NDF: 116.6/106



Right In: 1873.173+/-0.336 χ^2/NDF: 665564.8/26

Left Out: 1817.524+/-0.292 χ^2/NDF:12955.2/24

Right Out: 1894.824+/-0.328 χ^2/NDF: 741164.6/31

Left In: 1812.545+/-0.299 χ^2/NDF:2013.0/22

Left: 1815.096+/-0.209 χ^2/NDF: 15110.1/47

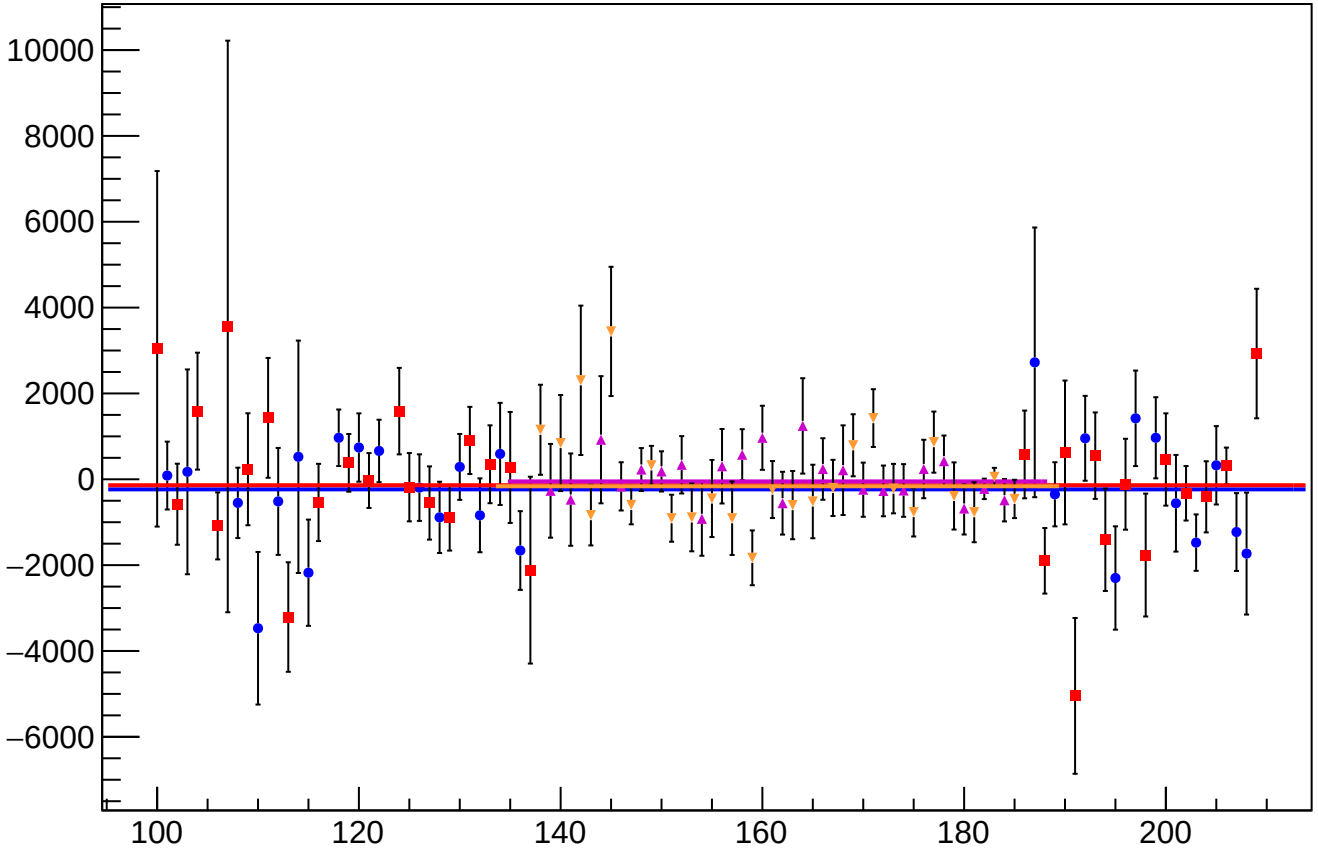
Right: 1884.280+/-0.235 χ^2/NDF: 1408856.0/58

In: 1839.339+/-0.224 χ^2/NDF:685718.4/49

Out: 1851.740+/-0.218 χ^2/NDF:785144.6/56

All: 1845.696+/-0.156 χ^2/NDF: 1472440.4/10

asym_at1_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -234.903+/-181.383 χ^2/NDF: 32.5/26

Left Out: -162.911+/-115.291 χ^2/NDF:36.9/24

Right Out: -138.285+/-163.483 χ^2/NDF: 41.3/31

Left In: -49.310+/-122.694 χ^2/NDF:11.3/22

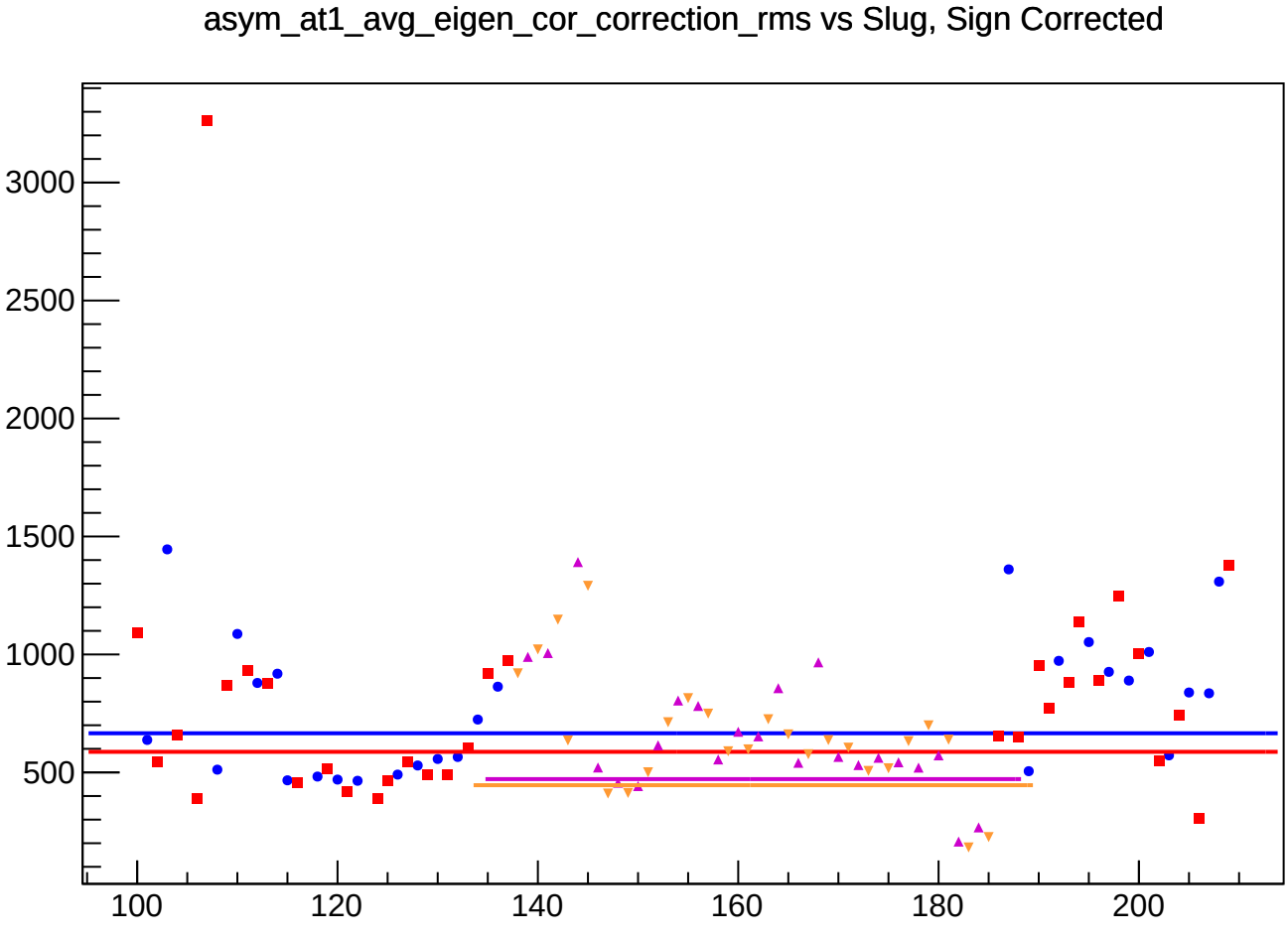
Left: -109.640+/-84.018 χ^2/NDF: 48.6/47

Right: -181.593+/-121.437 χ^2/NDF: 74.0/58

In: -107.571+/-101.627 χ^2/NDF:44.6/49

Out: -154.732+/-94.219 χ^2/NDF:78.2/56

All: -132.933+/-69.093 χ^2/NDF: 122.9/106



Right In: 665.976+/-0.128 χ^2/NDF: 2867440.4/26

Left Out: 445.867+/-0.082 χ^2/NDF:7983869.6/24

Right Out: 587.334+/-0.116 χ^2/NDF: 4507284.7/31

Left In: 471.757+/-0.087 χ^2/NDF:6413685.0/22

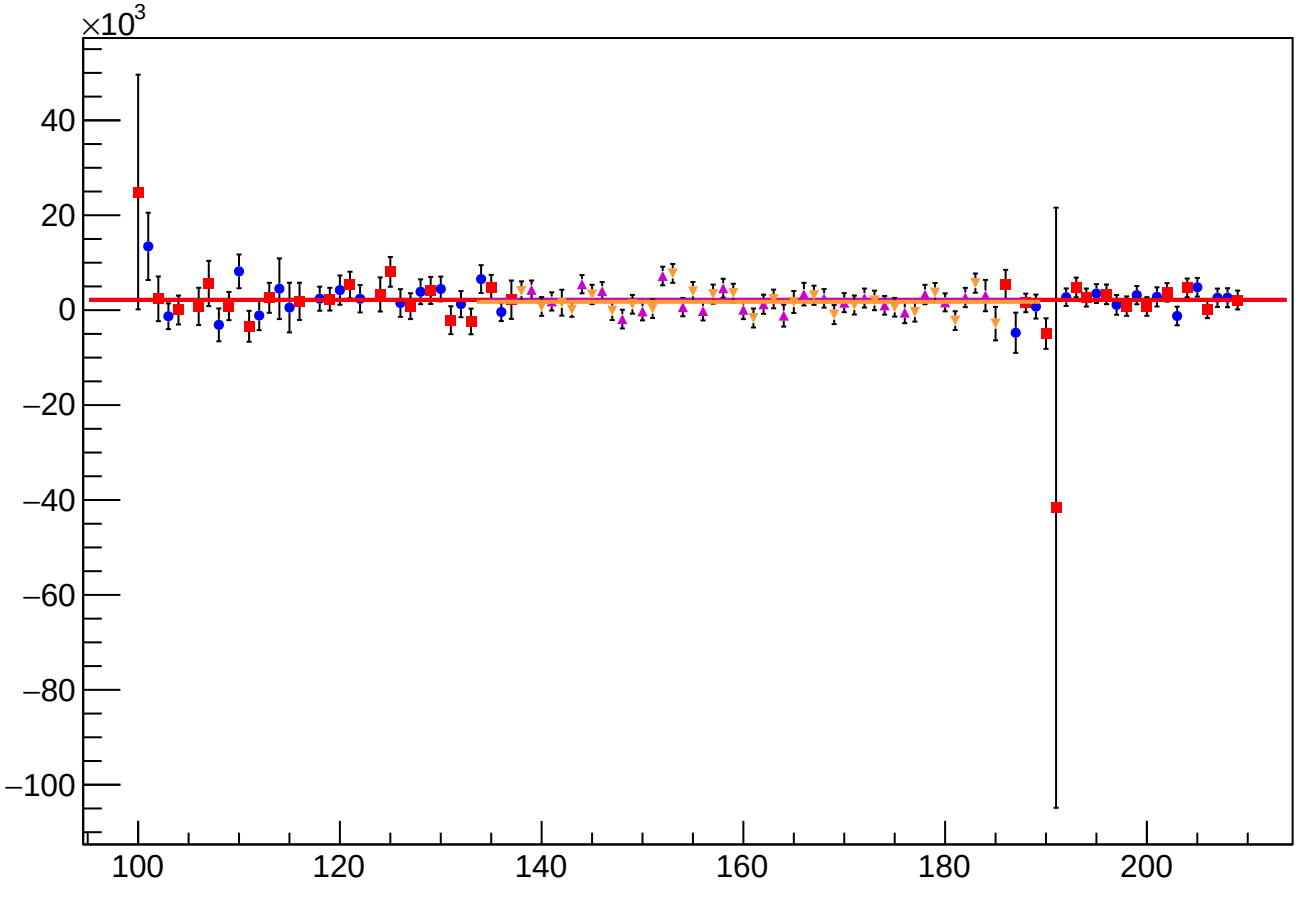
Left: 458.008+/-0.059 χ^2/NDF: 14444849.4/47

Right: 622.584+/-0.086 χ^2/NDF: 7582165.9/58

In: 532.727+/-0.072 χ^2/NDF:10854352.6/49

Out: 492.855+/-0.067 χ^2/NDF:13491334.8/56

All: 511.285+/-0.049 χ^2/NDF: 24511244.3/10



Right In: 2178.618+/-480.324 χ^2/NDF: 25.6/26

Left Out: 1755.493+/-405.401 χ^2/NDF:33.8/24

Right Out: 2159.182+/-465.717 χ^2/NDF: 29.7/31

Left In: 2073.441+/-423.648 χ^2/NDF:27.0/22

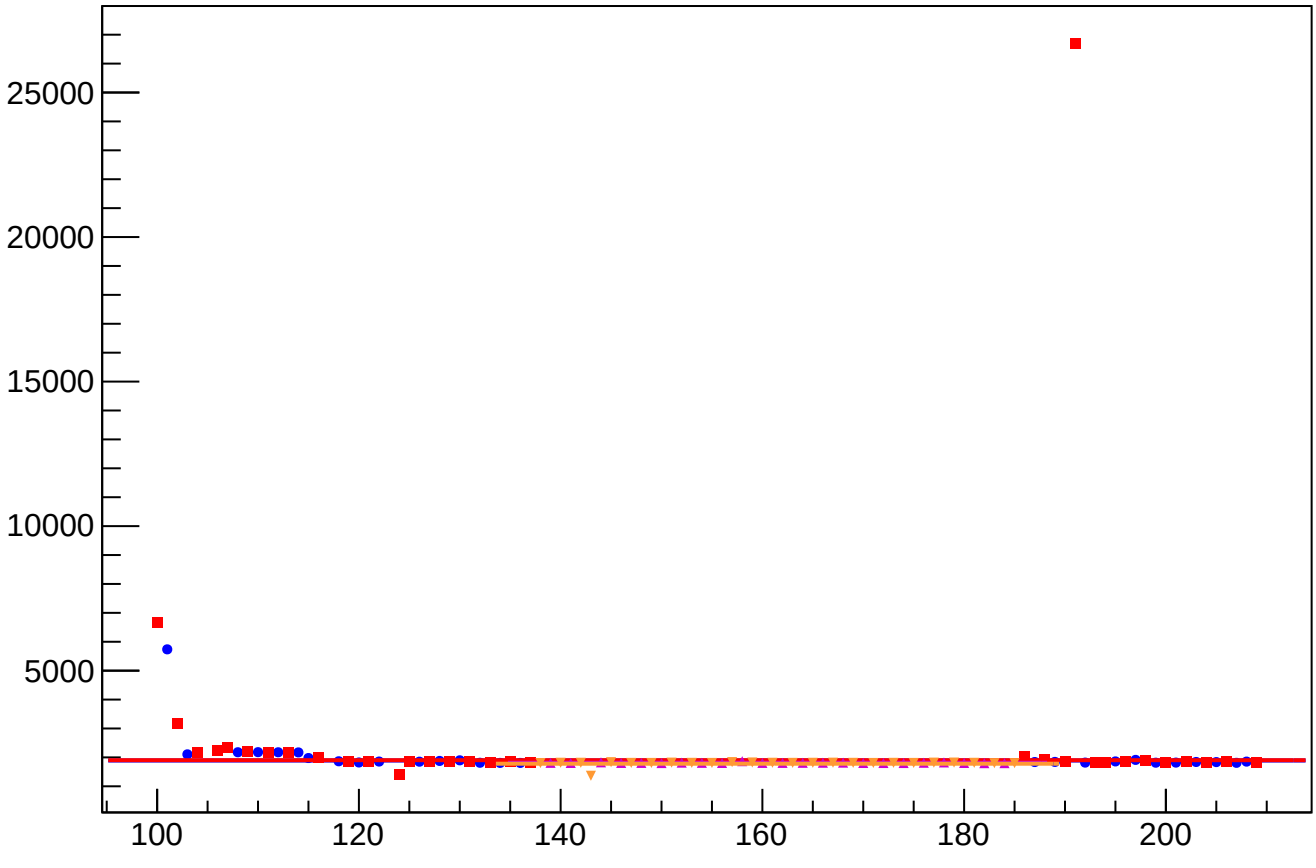
Left: 1907.472+/-292.900 χ^2/NDF: 61.1/47

Right: 2168.600+/-334.356 χ^2/NDF: 55.3/58

In: 2119.461+/-317.722 χ^2/NDF:52.6/49

Out: 1929.520+/-305.778 χ^2/NDF:63.9/56

All: 2020.853+/-220.319 χ^2/NDF: 116.7/106



Right In: 1891.358+/-0.340 χ^2/NDF: 676023.6/26

Left Out: 1780.913+/-0.287 χ^2/NDF:164936.9/24

Right Out: 1903.060+/-0.329 χ^2/NDF: 695058.1/31

Left In: 1814.434+/-0.300 χ^2/NDF:2094.6/22

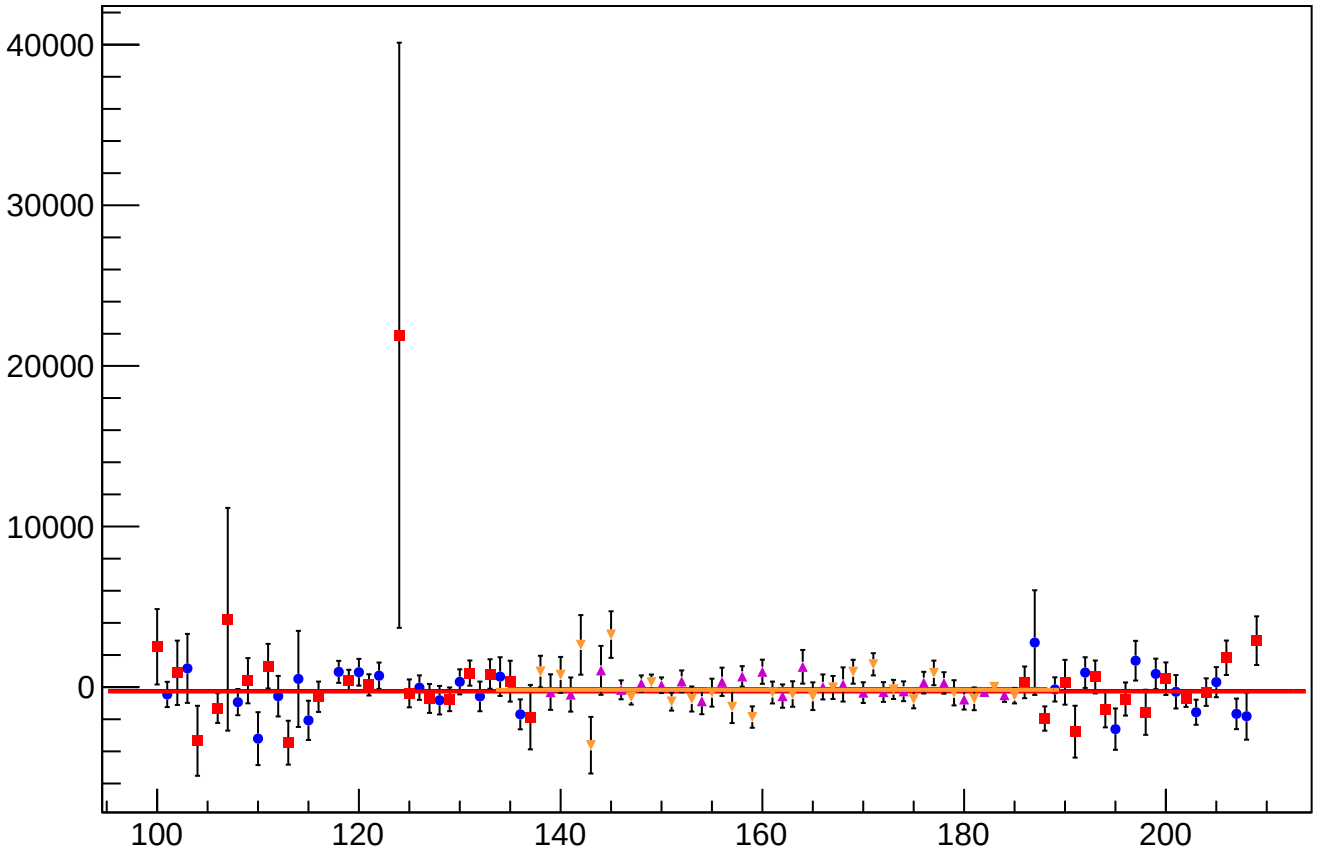
Left: 1796.936+/-0.207 χ^2/NDF: 173567.7/47

Right: 1897.390+/-0.236 χ^2/NDF: 1371693.6/58

In: 1848.092+/-0.225 χ^2/NDF:706969.4/49

Out: 1833.570+/-0.216 χ^2/NDF:938265.4/56

All: 1840.553+/-0.156 χ^2/NDF: 1647403.8/10



Right In: -239.369+/-187.595 χ^2/NDF: 33.3/26

Left Out: -167.909+/-121.628 χ^2/NDF:38.3/24

Right Out: -273.186+/-177.938 χ^2/NDF: 40.8/31

Left In: -117.211+/-119.772 χ^2/NDF:12.3/22

Left: -142.170+/-85.340 χ^2/NDF: 50.7/47

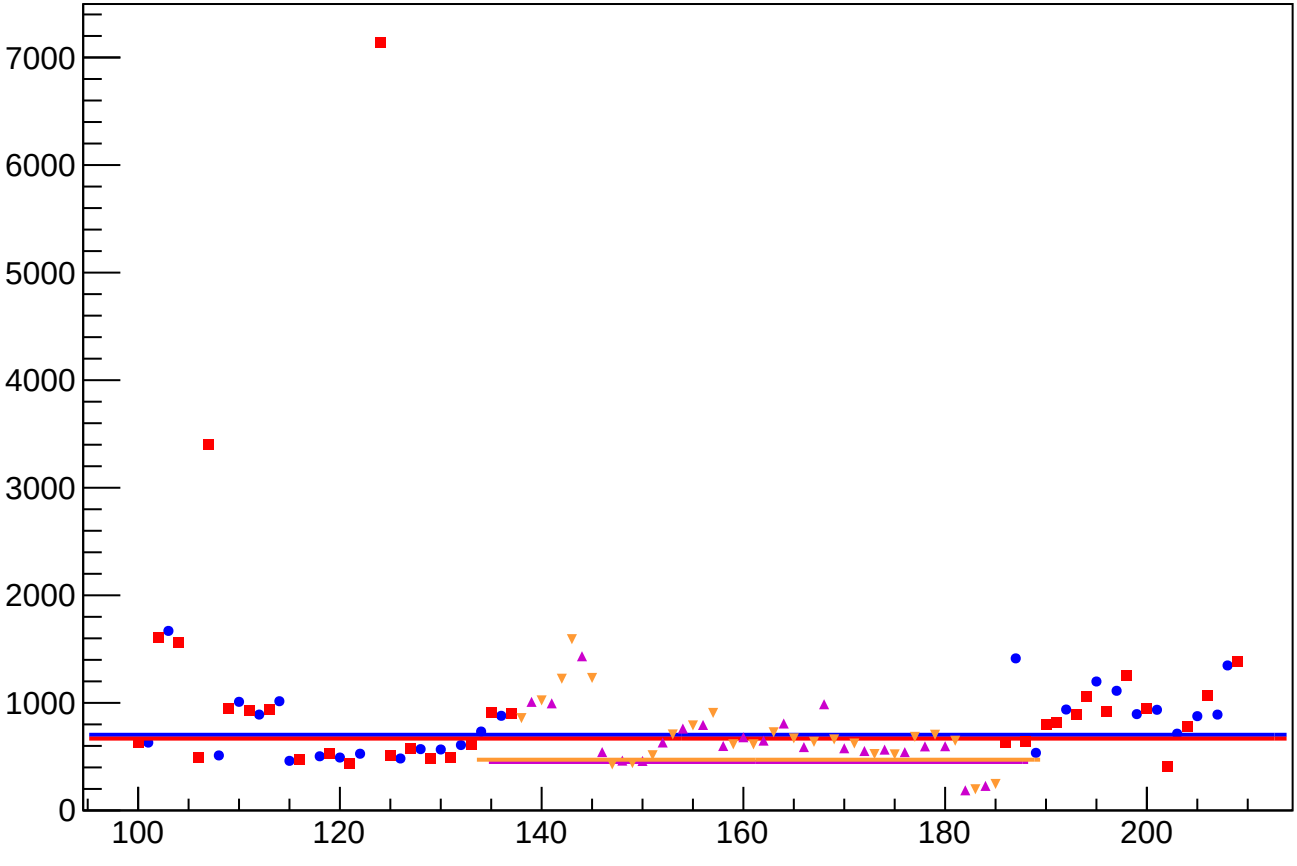
Right: -257.171+/-129.100 χ^2/NDF: 74.1/58

In: -152.586+/-100.951 χ^2/NDF:45.9/49

Out: -201.434+/-100.412 χ^2/NDF:79.4/56

All: -177.141+/-71.192 χ^2/NDF: 125.3/106

asym_at1_avg_dit_correction_rms vs Slug, Sign Corrected



Right In: 703.509+/-0.133 χ^2/NDF: 3055008.6/26

Left Out: 471.777+/-0.086 χ^2/NDF:8112666.9/24

Right Out: 667.949+/-0.126 χ^2/NDF: 4803695.4/31

Left In: 450.652+/-0.085 χ^2/NDF:7928332.5/22

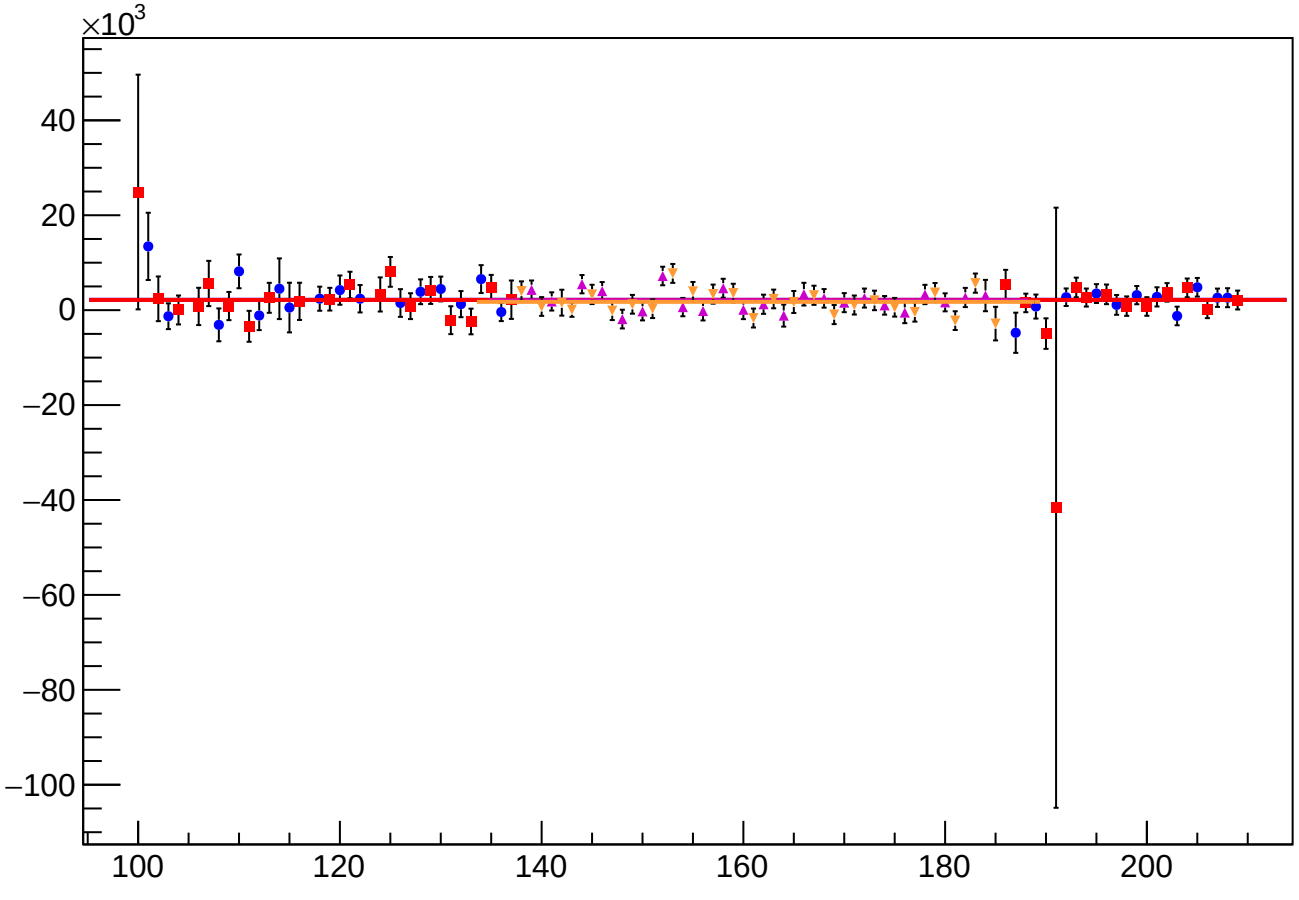
Left: 461.052+/-0.060 χ^2/NDF: 16071629.8/47

Right: 684.790+/-0.091 χ^2/NDF: 7896533.6/58

In: 523.876+/-0.071 χ^2/NDF:13564705.5/49

Out: 534.247+/-0.071 χ^2/NDF:14573156.4/56

All: 529.089+/-0.050 χ^2/NDF: 28148472.9/10



Right In: 2178.616+/-480.324 χ^2/NDF: 25.6/26

Left Out: 1755.493+/-405.401 χ^2/NDF:33.8/24

Right Out: 2159.181+/-465.717 χ^2/NDF: 29.7/31

Left In: 2073.441+/-423.648 χ^2/NDF:27.0/22

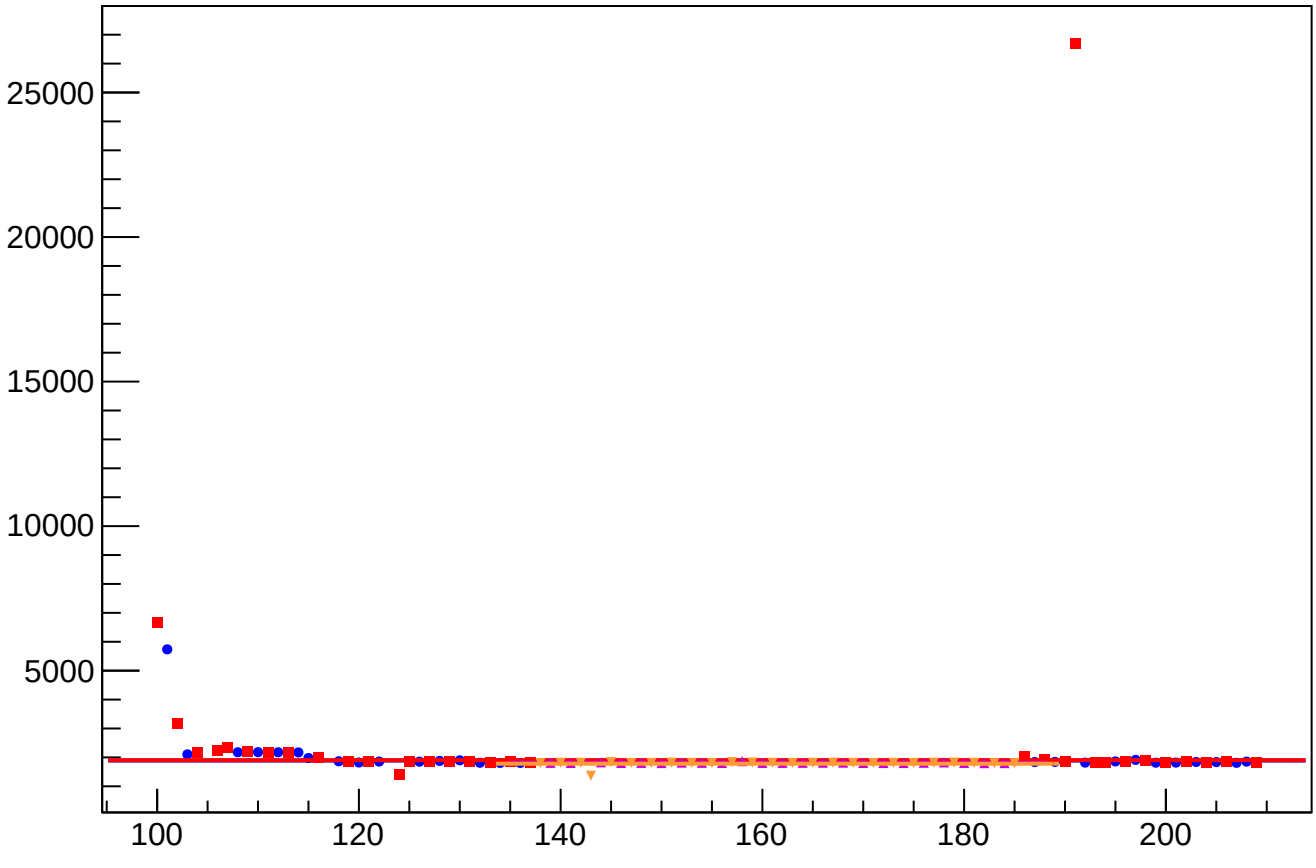
Left: 1907.473+/-292.900 χ^2/NDF: 61.1/47

Right: 2168.599+/-334.356 χ^2/NDF: 55.3/58

In: 2119.460+/-317.722 χ^2/NDF:52.6/49

Out: 1929.520+/-305.778 χ^2/NDF:63.9/56

All: 2020.853+/-220.319 χ^2/NDF: 116.7/106



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Left Out: 1780.913+/-0.287 χ^2/NDF:164936.9/24

Right Out: 1903.060+/-0.329 χ^2/NDF: 695056.6/31

Left In: 1814.434+/-0.300 χ^2/NDF:2094.6/22

Left: 1796.936+/-0.207 χ^2/NDF: 173567.7/47

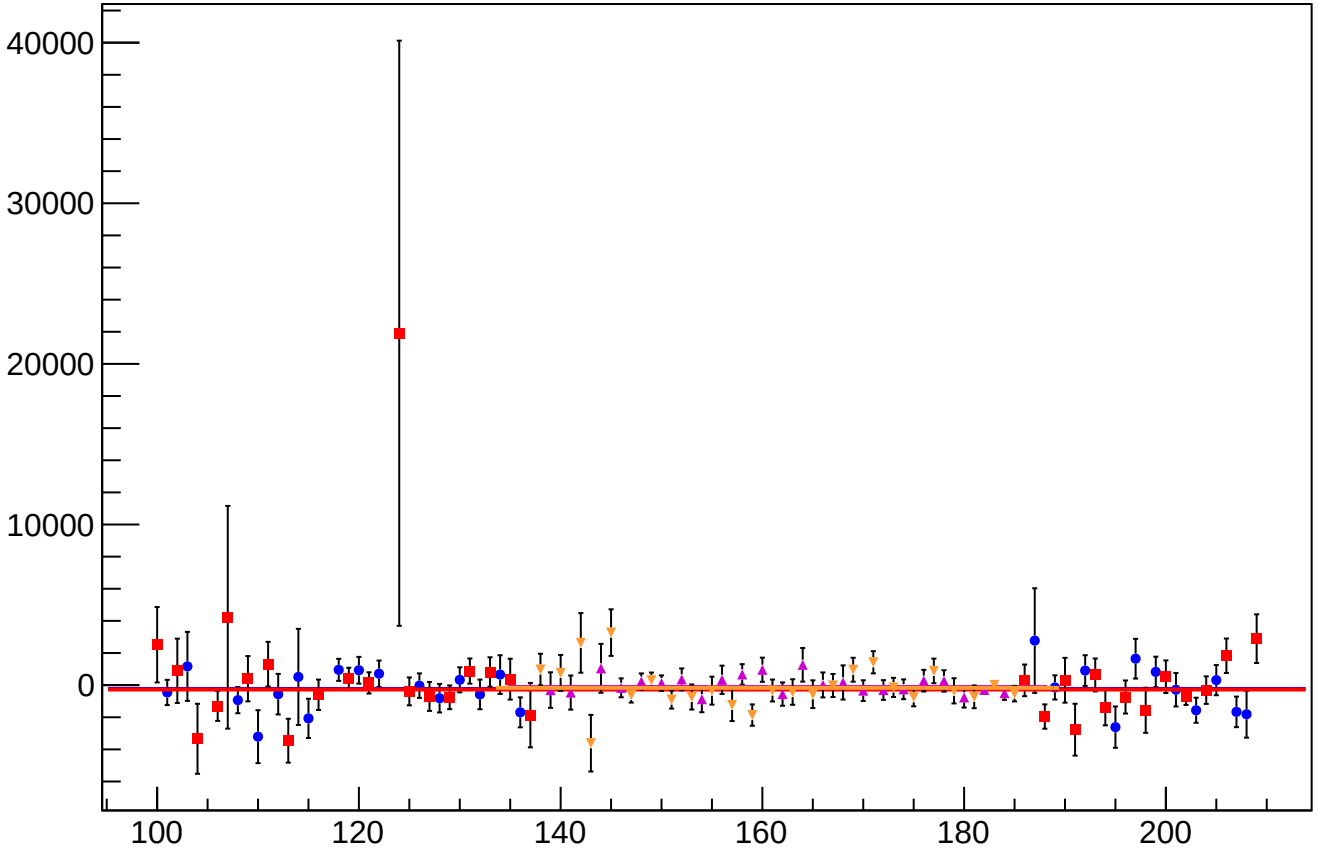
Right: 1897.390+/-0.236 χ^2/NDF: 1371691.7/58

In: 1848.092+/-0.225 χ^2/NDF:706968.9/49

Out: 1833.570+/-0.216 χ^2/NDF:938263.8/56

All: 1840.553+/-0.156 χ^2/NDF: 1647401.8/10

asym_at1_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -239.369+/-187.595 χ^2/NDF: 33.3/26

Left Out: -167.909+/-121.629 χ^2/NDF:38.3/24

Right Out: -273.186+/-177.938 χ^2/NDF: 40.8/31

Left In: -117.211+/-119.772 χ^2/NDF:12.3/22

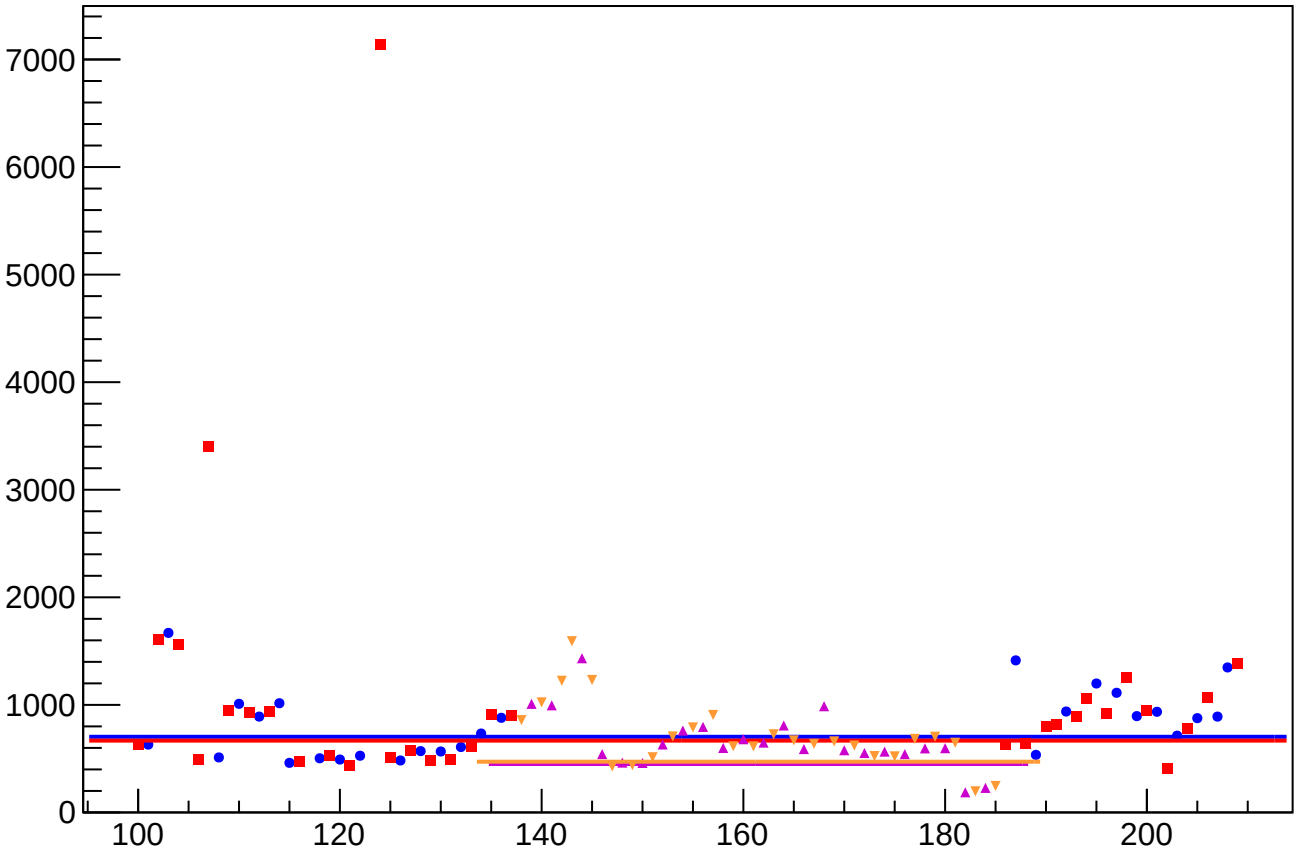
Left: -142.170+/-85.340 χ^2/NDF: 50.7/47

Right: -257.170+/-129.100 χ^2/NDF: 74.1/58

In: -152.586+/-100.951 χ^2/NDF:45.9/49

Out: -201.434+/-100.412 χ^2/NDF:79.4/56

All: -177.141+/-71.192 χ^2/NDF: 125.3/106



Right In: 703.509+/-0.133 χ^2/NDF: 3055034.9/26

Left Out: 471.778+/-0.086 χ^2/NDF:8112665.9/24

Right Out: 667.949+/-0.126 χ^2/NDF: 4803707.3/31

Left In: 450.653+/-0.085 χ^2/NDF:7928317.5/22

Left: 461.053+/-0.060 χ^2/NDF: 16071613.1/47

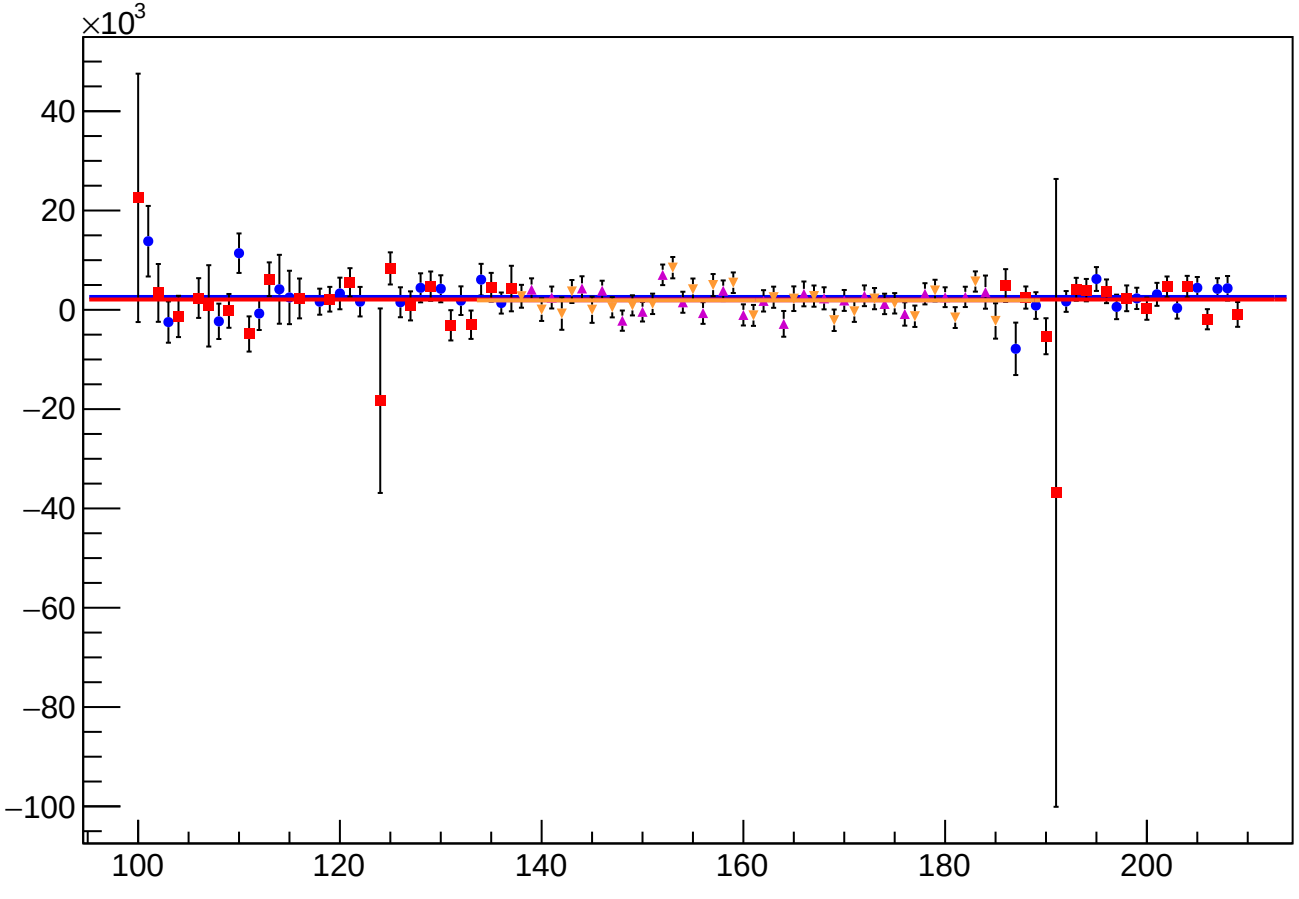
Right: 684.790+/-0.091 χ^2/NDF: 7896570.7/58

In: 523.876+/-0.071 χ^2/NDF:13564687.1/49

Out: 534.247+/-0.071 χ^2/NDF:14573155.4/56

All: 529.090+/-0.050 χ^2/NDF: 28148453.2/10

asym_at1_avg_mean vs Slug, Sign Corrected



Right In: 2589.080+/-535.737 χ^2/NDF: 25.0/26

Left Out: 1907.369+/-443.523 χ^2/NDF:36.3/24

Right Out: 2078.380+/-526.037 χ^2/NDF: 37.8/31

Left In: 1926.570+/-454.880 χ^2/NDF:24.8/22

Left: 1916.727+/-317.557 χ^2/NDF: 61.0/47

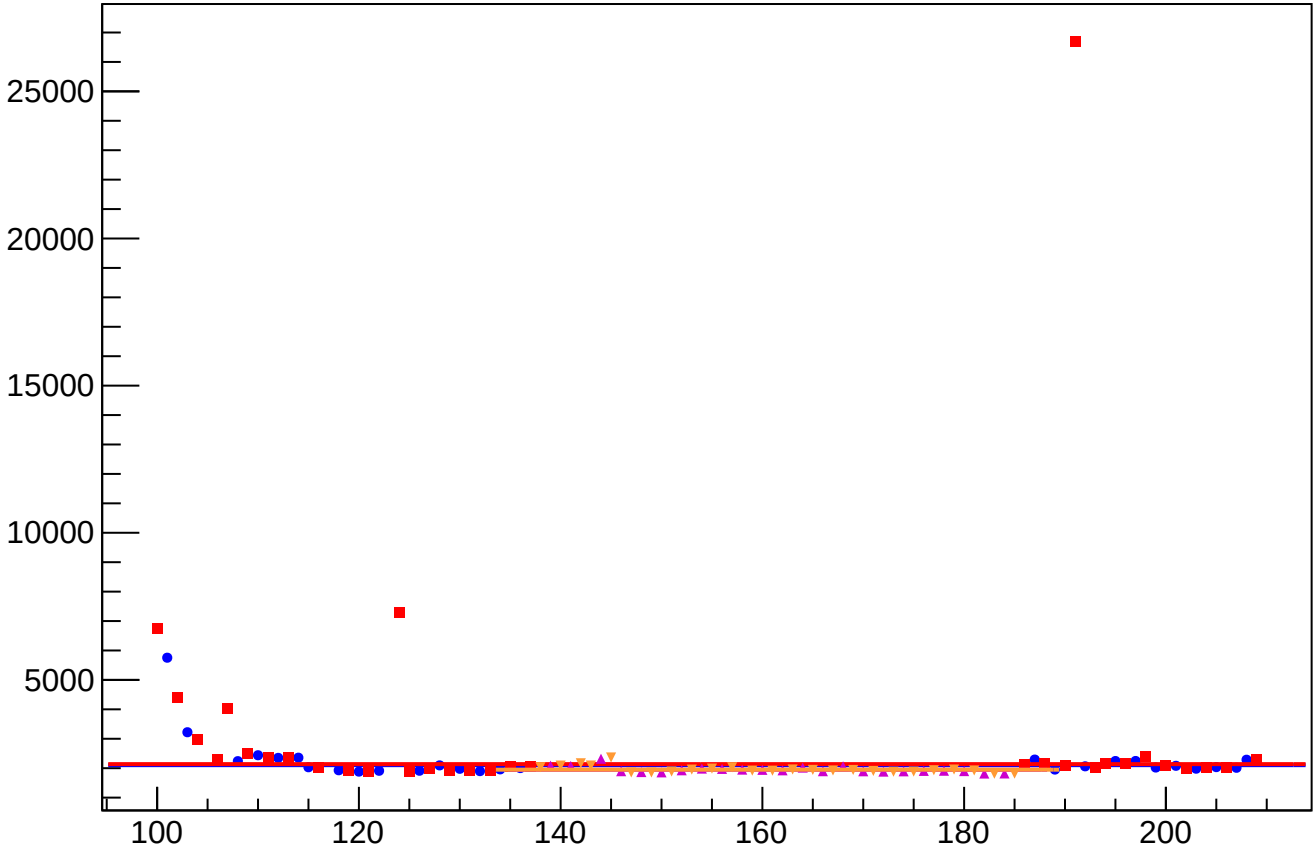
Right: 2329.065+/-375.347 χ^2/NDF: 63.3/58

In: 2204.106+/-346.749 χ^2/NDF:50.7/49

Out: 1978.425+/-339.083 χ^2/NDF:74.1/56

All: 2088.743+/-242.433 χ^2/NDF: 125.0/106

asym_at1_avg_rms vs Slug, Sign Corrected



Right In: 2103.096+/-0.379 χ^2/NDF: 809703.7/26

Left Out: 1949.001+/-0.314 χ^2/NDF:108523.9/24

Right Out: 2138.059+/-0.372 χ^2/NDF: 1186149.8/31

Left In: 1945.132+/-0.322 χ^2/NDF:95954.5/22

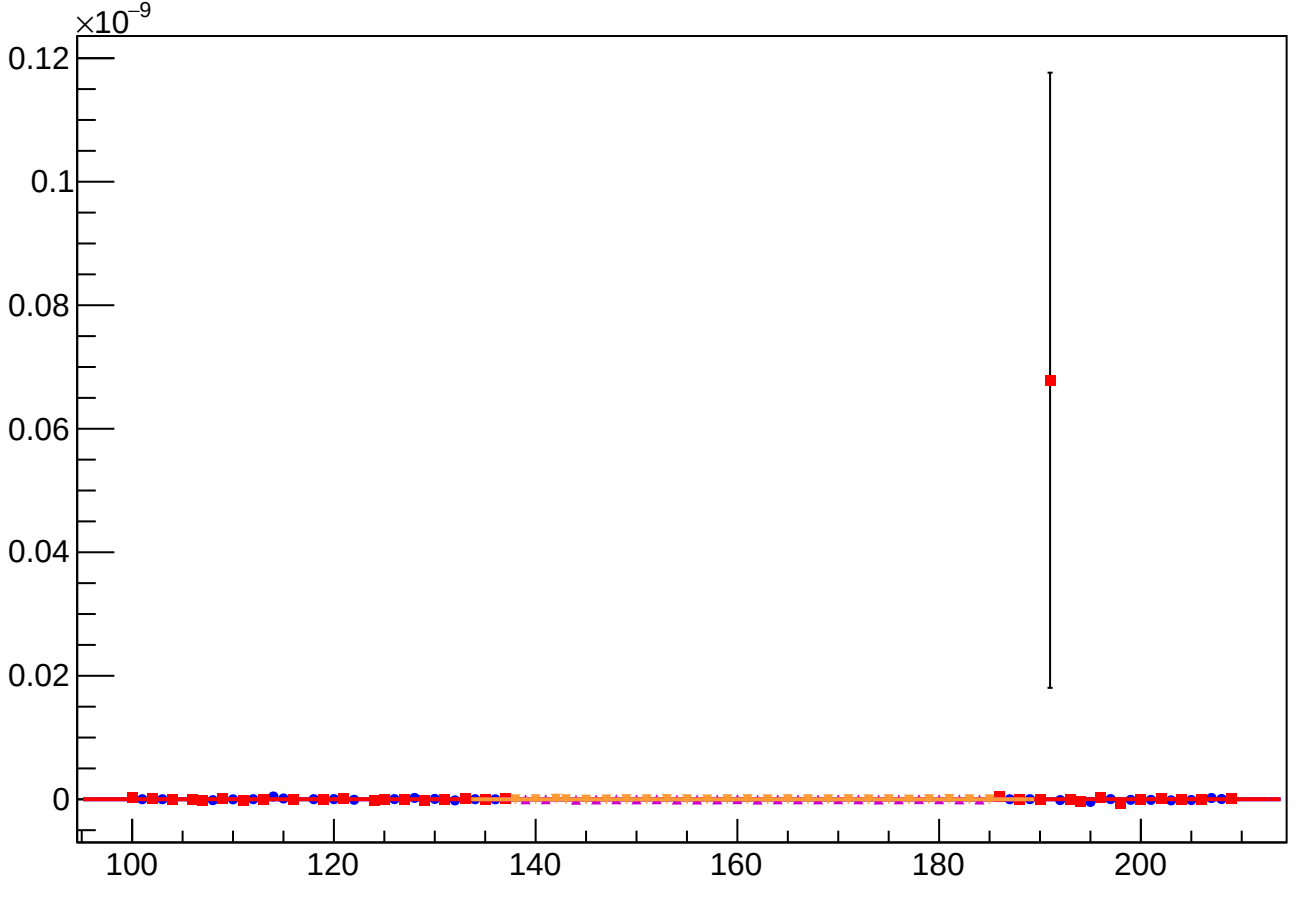
Left: 1947.116+/-0.225 χ^2/NDF: 204552.7/47

Right: 2120.897+/-0.265 χ^2/NDF: 2000190.4/58

In: 2011.306+/-0.245 χ^2/NDF:1006695.6/49

Out: 2027.556+/-0.240 χ^2/NDF:1445670.4/56

All: 2019.613+/-0.171 χ^2/NDF: 2454611.4/10



Right In: 0.000+/-0.000 χ^2/NDF: 33.5/26

Left Out: 0.000+/-0.000 χ^2/NDF:28.7/24

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

Left In: -0.000+/-0.000 χ^2/NDF:31.1/22

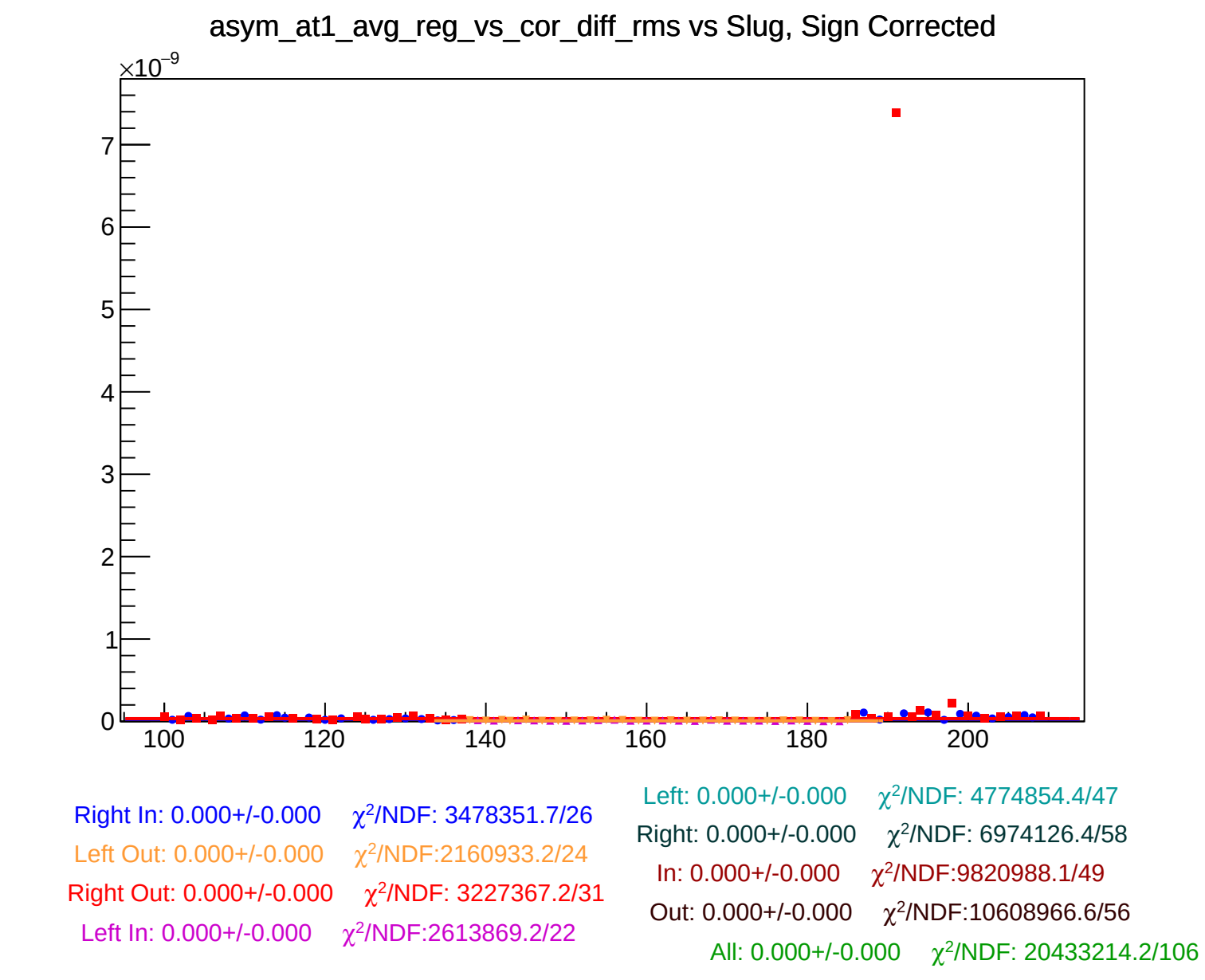
Left: -0.000+/-0.000 χ^2/NDF: 60.4/47

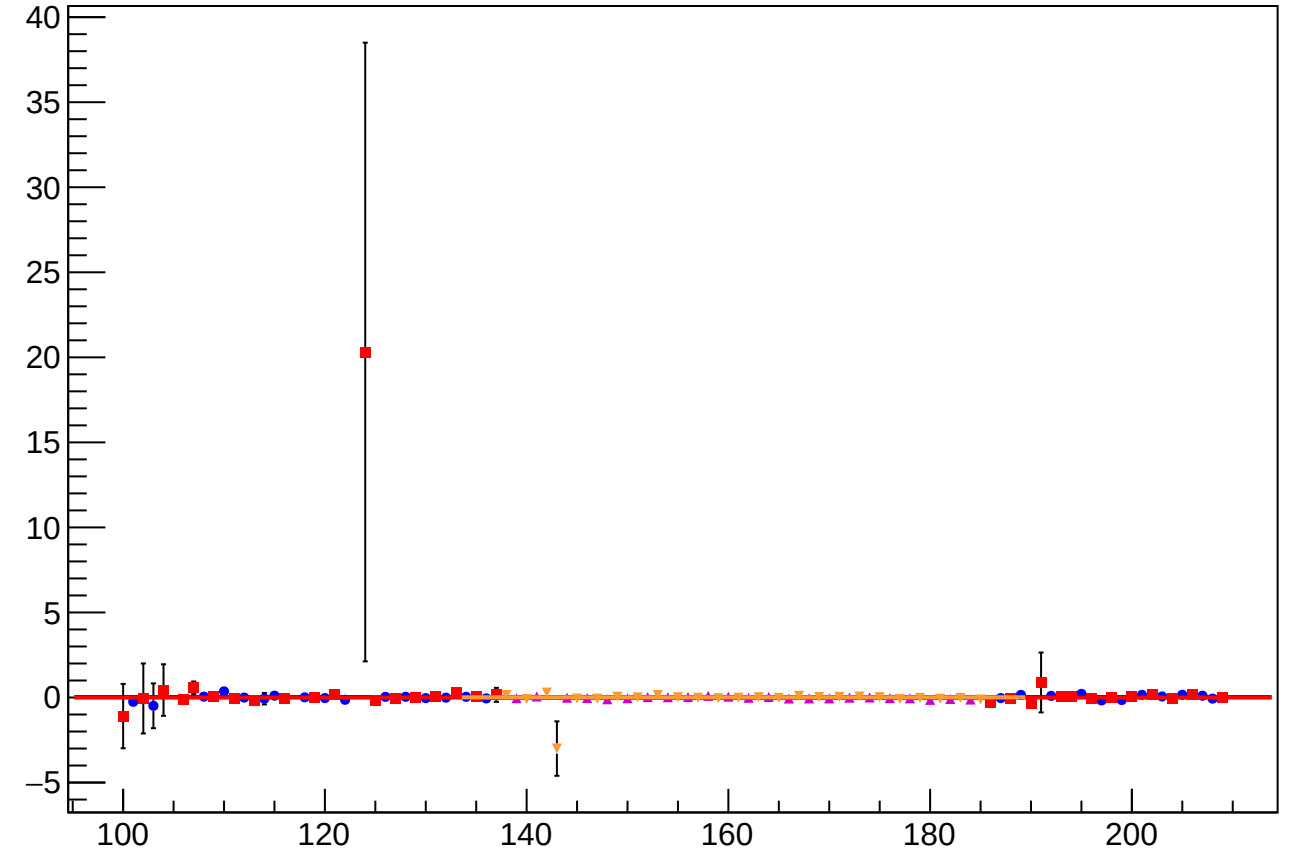
Right: 0.000+/-0.000 χ^2/NDF: 64.6/58

In: -0.000+/-0.000 χ^2/NDF:65.0/49

Out: 0.000+/-0.000 χ^2/NDF:60.4/56

All: -0.000+/-0.000 χ^2/NDF: 126.1/106


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
Right In: 0.000+/-0.000 χ²/NDF: 3478351.7/26
Left Out: 0.000+/-0.000 χ²/NDF:2160933.2/24
Right Out: 0.000+/-0.000 χ²/NDF: 3227367.2/31
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: 6974126.4/58
In: 0.000+/-0.000 χ²/NDF:9820988.1/49
Out: 0.000+/-0.000 χ²/NDF:10608966.6/56
All: 0.000+/-0.000 χ²/NDF: 20433214.2/106



Right In: 0.028+/-0.021 χ^2/NDF: 23.5/26

Left Out: 0.011+/-0.012 χ^2/NDF:29.6/24

Right Out: -0.004+/-0.019 χ^2/NDF: 30.0/31

Left In: -0.018+/-0.012 χ^2/NDF:20.3/22

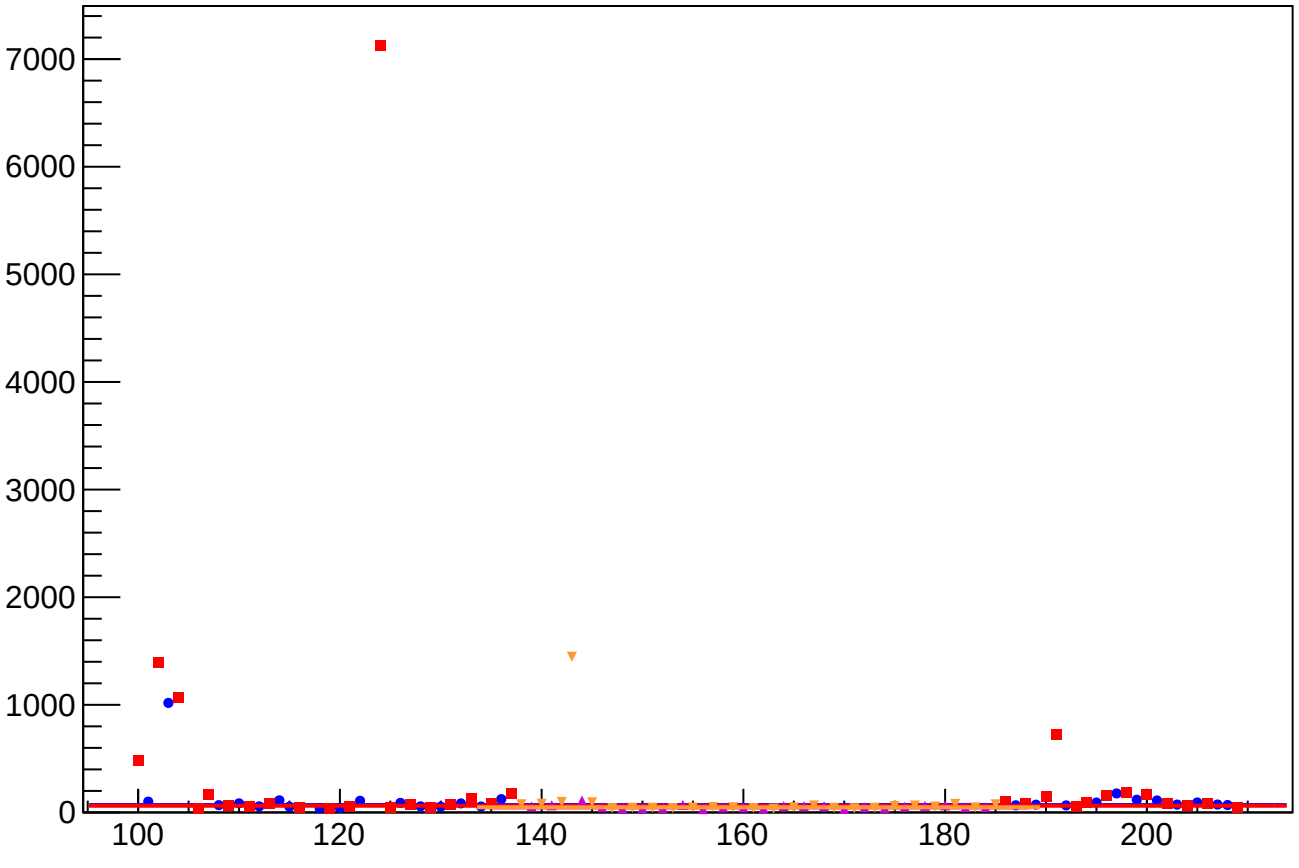
Left: -0.004+/-0.009 χ^2/NDF: 52.8/47

Right: 0.011+/-0.014 χ^2/NDF: 54.8/58

In: -0.006+/-0.011 χ^2/NDF:47.5/49

Out: 0.007+/-0.010 χ^2/NDF:60.1/56

All: 0.000+/-0.007 χ^2/NDF: 108.3/106



Right In: 68.431+/-0.015 χ^2/NDF: 3883382.5/26

Left Out: 47.901+/-0.009 χ^2/NDF:3496596.6/24

Right Out: 62.569+/-0.014 χ^2/NDF: 6429507.9/31

Left In: 46.786+/-0.009 χ^2/NDF:1949486.1/22

Left: 47.335+/-0.006 χ^2/NDF: 5454241.8/47

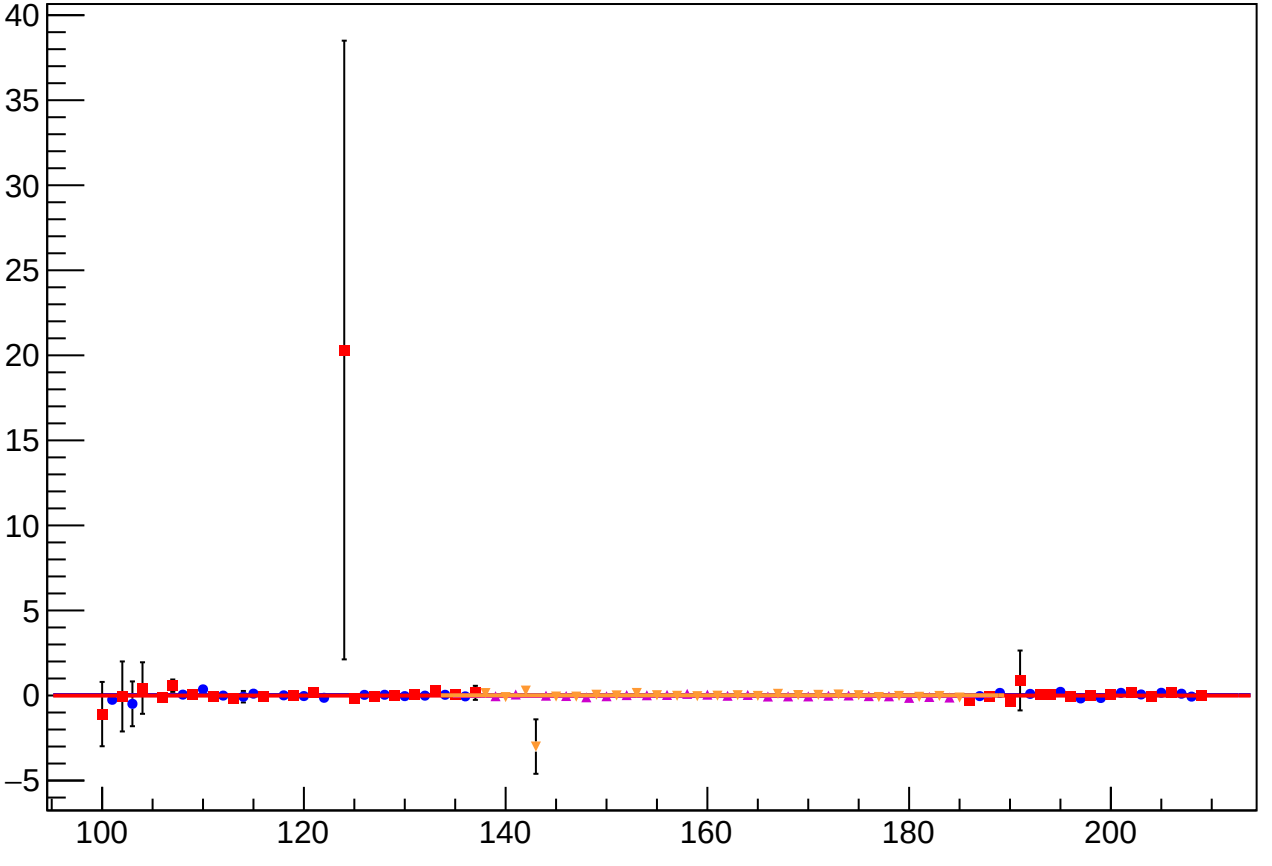
Right: 65.304+/-0.010 χ^2/NDF: 10399429.8/58

In: 52.451+/-0.007 χ^2/NDF:7465894.1/49

Out: 52.223+/-0.007 χ^2/NDF:10745024.4/56

All: 52.336+/-0.005 χ^2/NDF: 18211390.2/106

asym_at1_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.028+/-0.021 χ^2/NDF: 23.5/26

Left Out: 0.011+/-0.012 χ^2/NDF:29.6/24

Right Out: -0.004+/-0.019 χ^2/NDF: 30.0/31

Left In: -0.018+/-0.012 χ^2/NDF:20.3/22

Left: -0.004+/-0.009 χ^2/NDF: 52.8/47

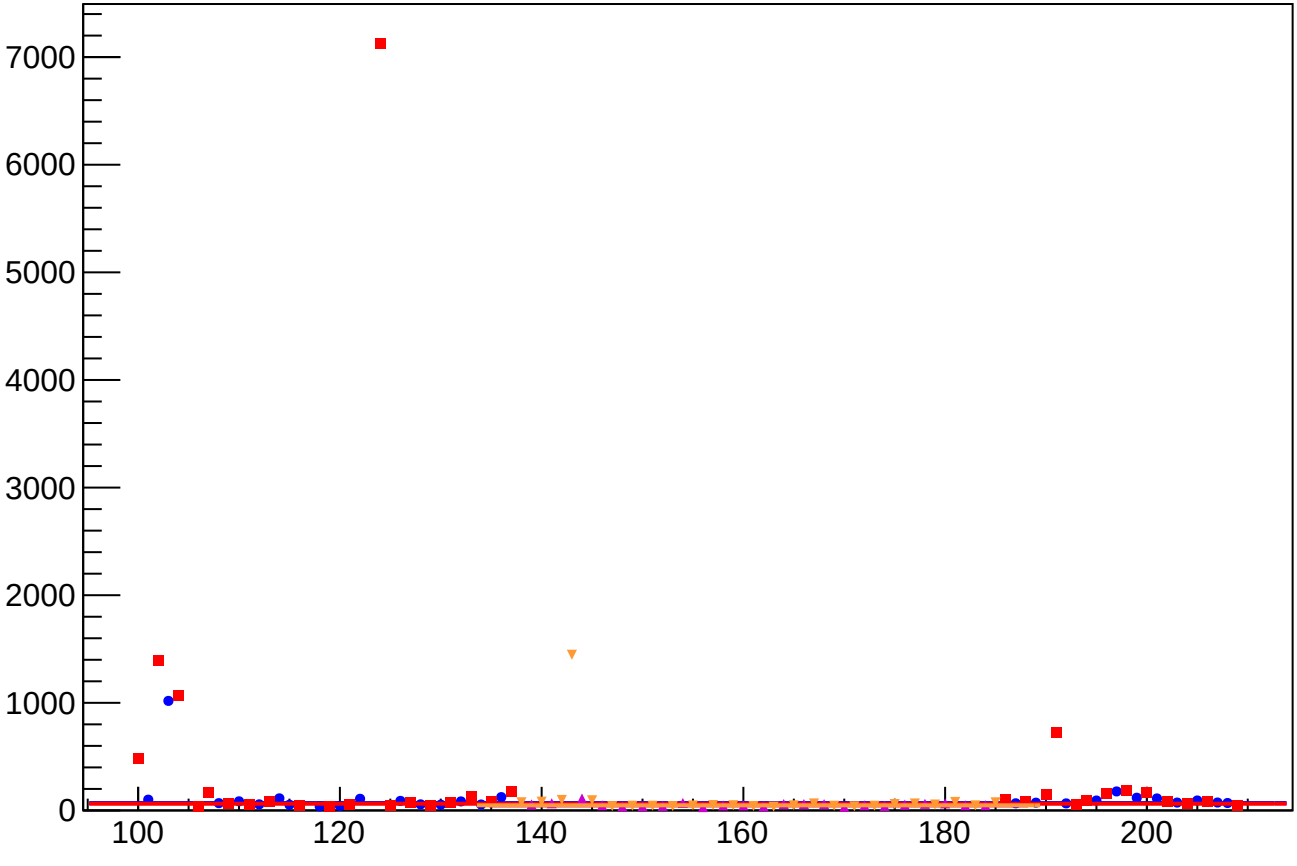
Right: 0.011+/-0.014 χ^2/NDF: 54.8/58

In: -0.006+/-0.011 χ^2/NDF:47.5/49

Out: 0.007+/-0.010 χ^2/NDF:60.1/56

All: 0.000+/-0.007 χ^2/NDF: 108.3/106

asym_at1_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 68.431+/-0.015 χ^2/NDF: 3883382.5/26

Left Out: 47.901+/-0.009 χ^2/NDF:3496596.6/24

Right Out: 62.569+/-0.014 χ^2/NDF: 6429507.9/31

Left In: 46.786+/-0.009 χ^2/NDF:1949486.1/22

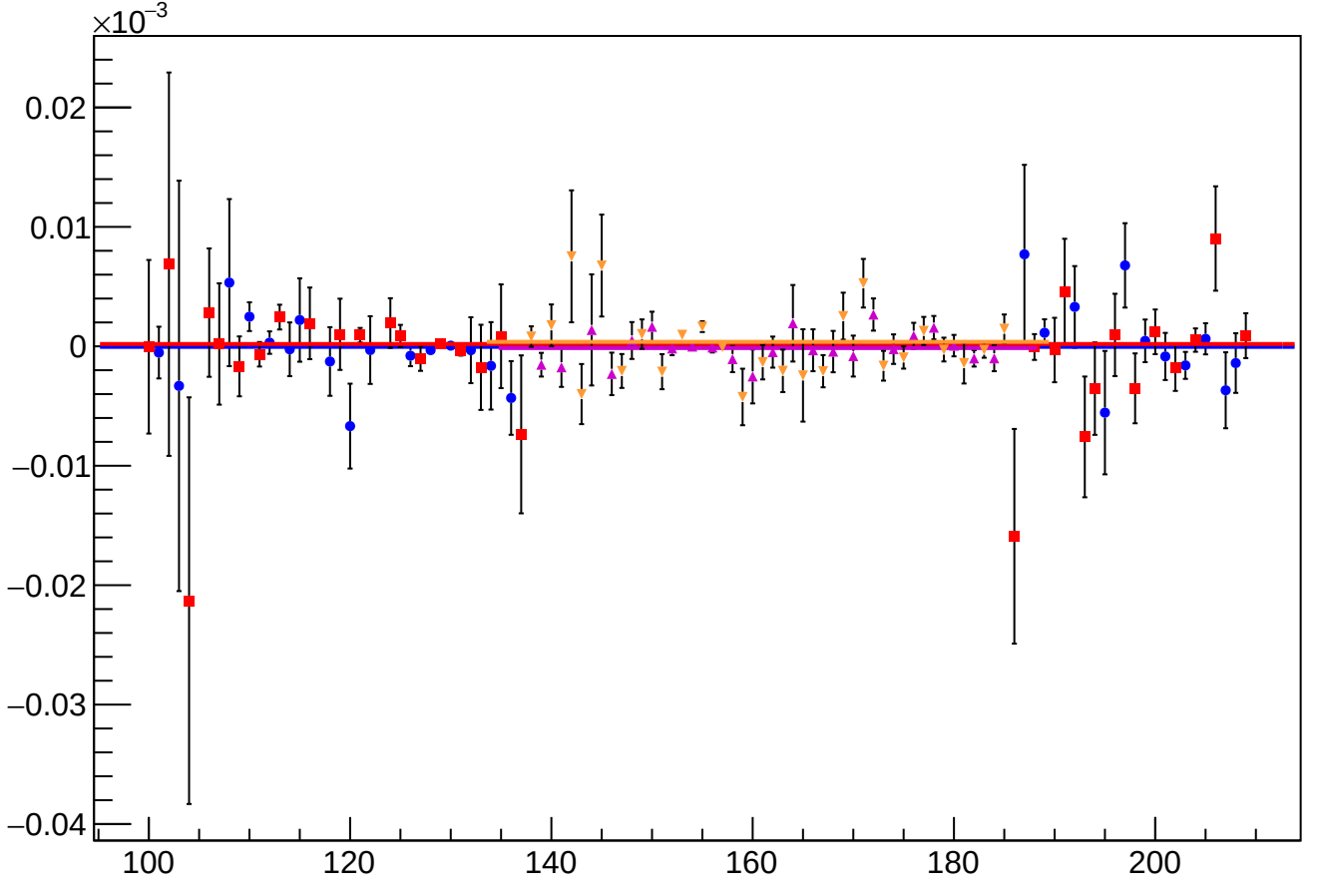
Left: 47.335+/-0.006 χ^2/NDF: 5454241.8/47

Right: 65.304+/-0.010 χ^2/NDF: 10399429.8/58

In: 52.451+/-0.007 χ^2/NDF:7465894.1/49

Out: 52.223+/-0.007 χ^2/NDF:10745024.4/56

All: 52.336+/-0.005 χ^2/NDF: 18211390.2/106



Right In: -0.000+/-0.000 χ^2/NDF: 24.8/26

Left Out: 0.000+/-0.000 χ^2/NDF:51.7/24

Right Out: 0.000+/-0.000 χ^2/NDF: 30.5/31

Left In: -0.000+/-0.000 χ^2/NDF:19.9/22

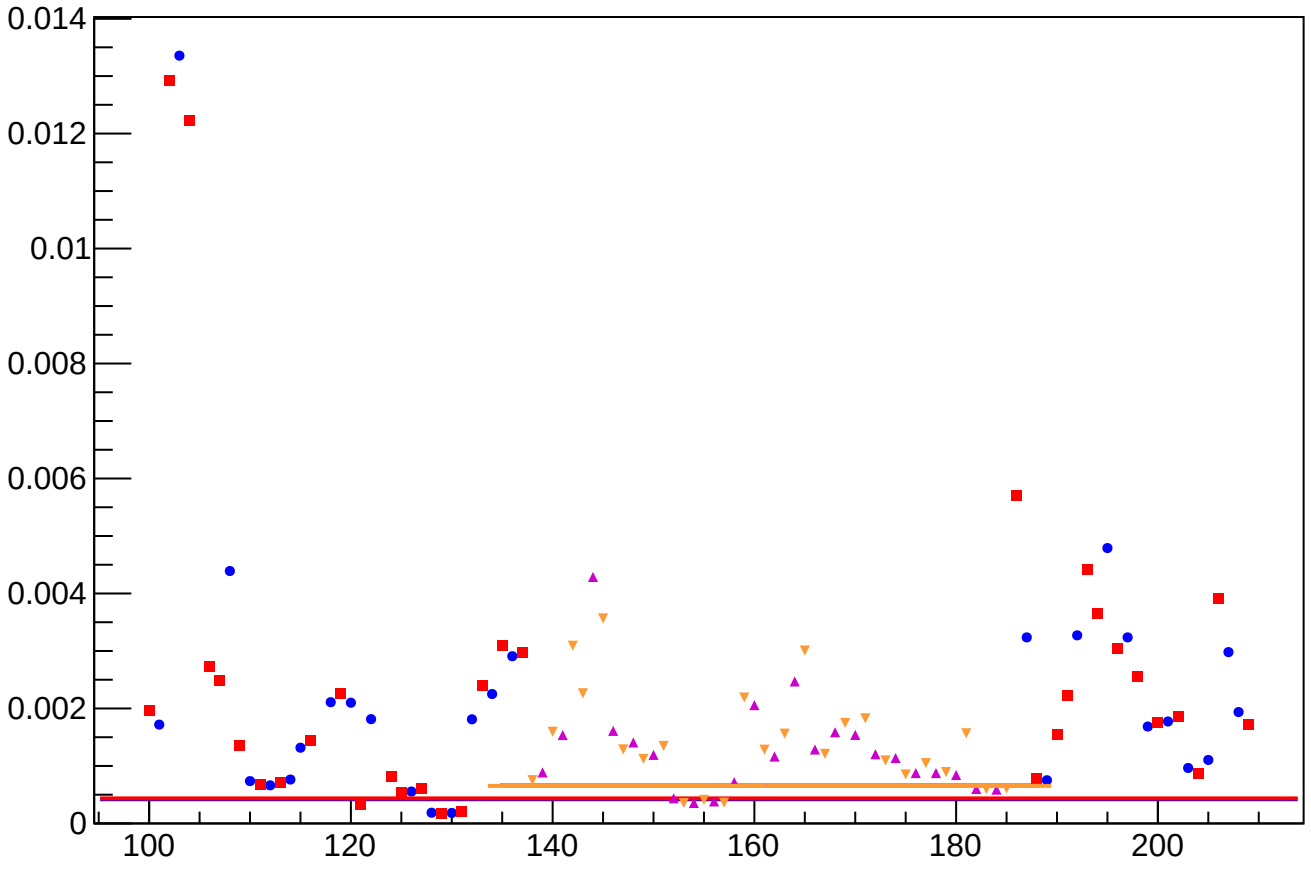
Left: 0.000+/-0.000 χ^2/NDF: 75.6/47

Right: 0.000+/-0.000 χ^2/NDF: 56.2/58

In: -0.000+/-0.000 χ^2/NDF:44.8/49

Out: 0.000+/-0.000 χ^2/NDF:82.7/56

All: 0.000+/-0.000 χ^2/NDF: 131.8/106



Right In: 0.000+/-0.000 χ^2/NDF: 18971262.0/26

Left Out: 0.001+/-0.000 χ^2/NDF:12083891.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 19750789.4/31

Left In: 0.001+/-0.000 χ^2/NDF:9695095.3/22

Left: 0.001+/-0.000 χ^2/NDF: 21780521.8/47

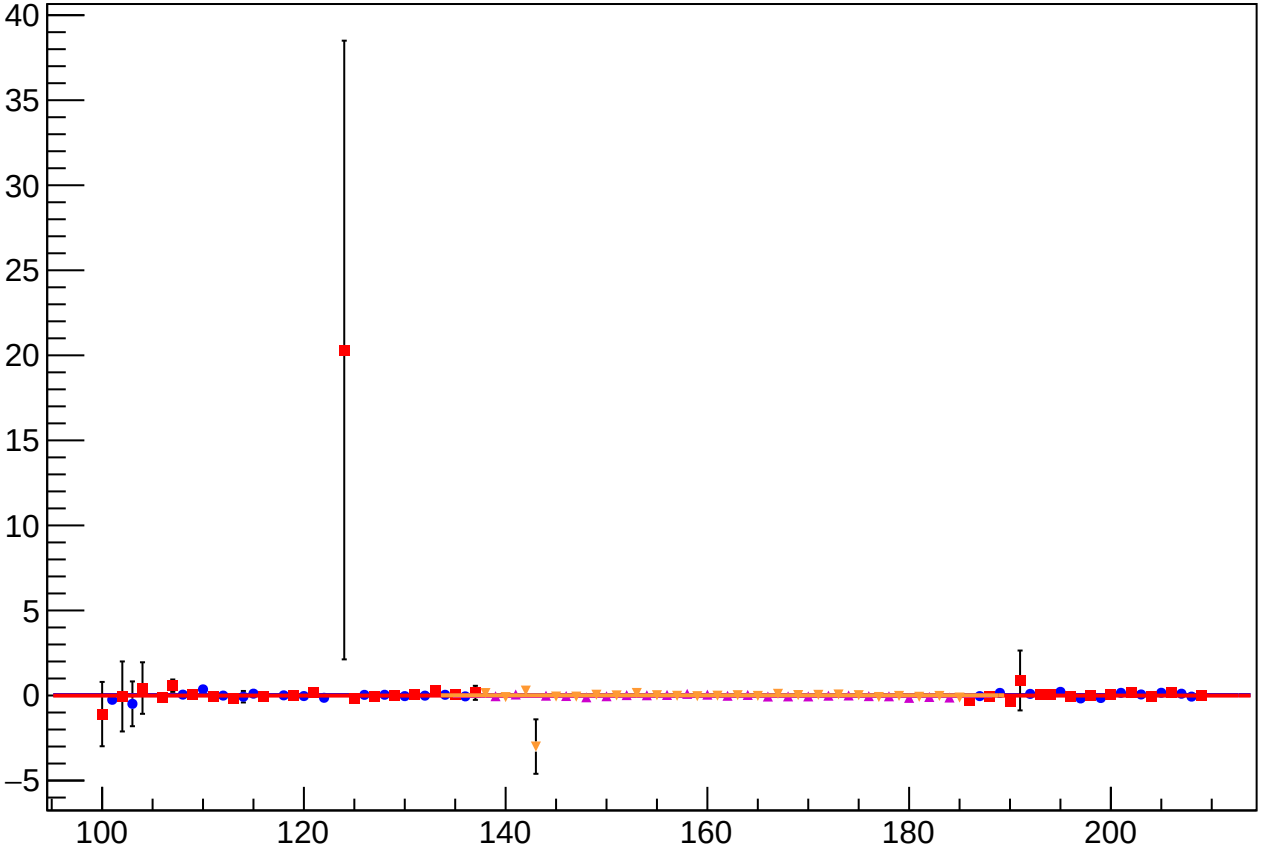
Right: 0.000+/-0.000 χ^2/NDF: 38728304.4/58

In: 0.001+/-0.000 χ^2/NDF:30337541.3/49

Out: 0.001+/-0.000 χ^2/NDF:33267173.6/56

All: 0.001+/-0.000 χ^2/NDF: 63607308.7/106

asym_at1_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.028+/-0.021 χ^2/NDF: 23.5/26

Left Out: 0.011+/-0.012 χ^2/NDF:29.6/24

Right Out: -0.004+/-0.019 χ^2/NDF: 30.0/31

Left In: -0.018+/-0.012 χ^2/NDF:20.3/22

Left: -0.004+/-0.009 χ^2/NDF: 52.8/47

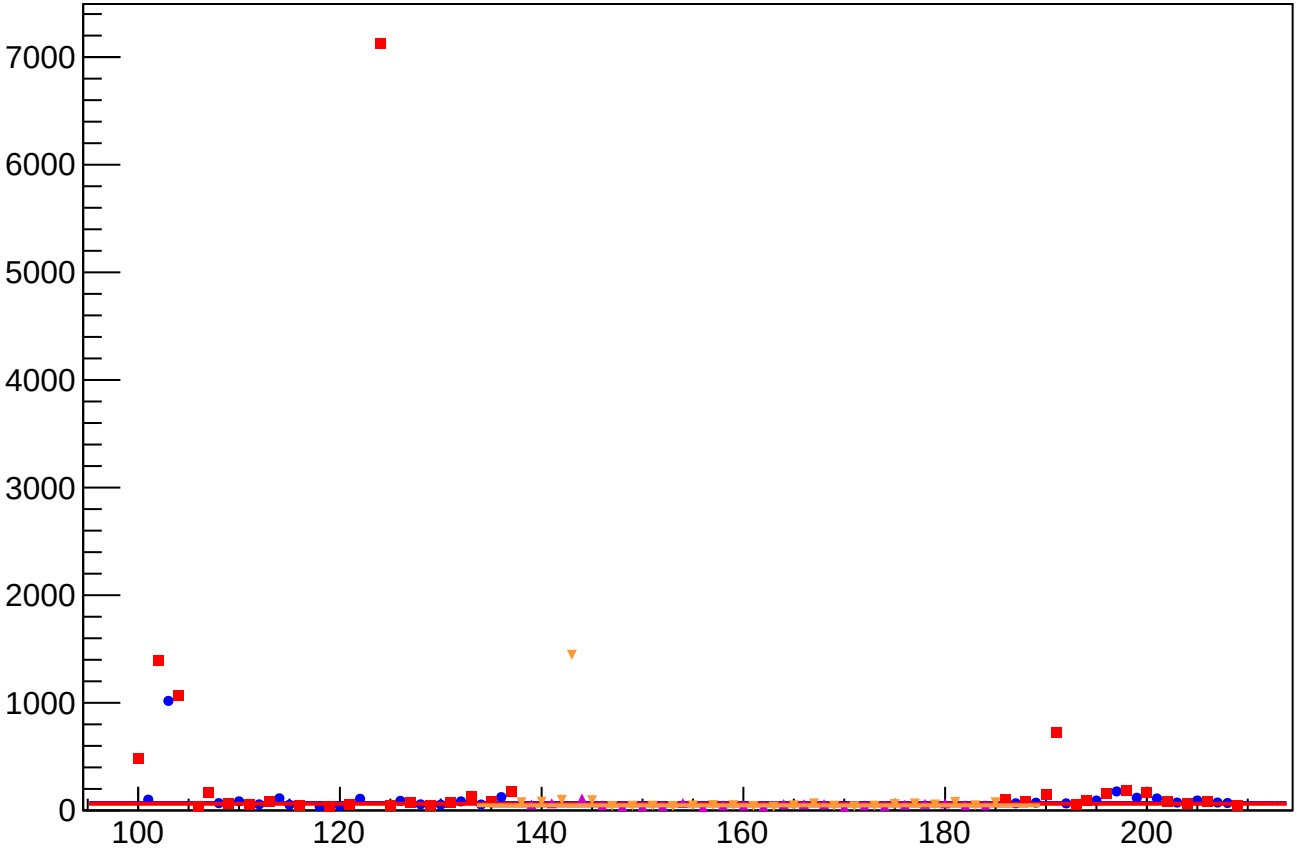
Right: 0.011+/-0.014 χ^2/NDF: 54.8/58

In: -0.006+/-0.011 χ^2/NDF:47.5/49

Out: 0.007+/-0.010 χ^2/NDF:60.1/56

All: 0.000+/-0.007 χ^2/NDF: 108.3/106

asym_at1_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 68.431+/-0.015 χ^2/NDF: 3883438.6/26

Left Out: 47.902+/-0.009 χ^2/NDF:3496571.8/24

Right Out: 62.568+/-0.014 χ^2/NDF: 6429715.0/31

Left In: 46.786+/-0.009 χ^2/NDF:1949480.3/22

Left: 47.335+/-0.006 χ^2/NDF: 5454214.5/47

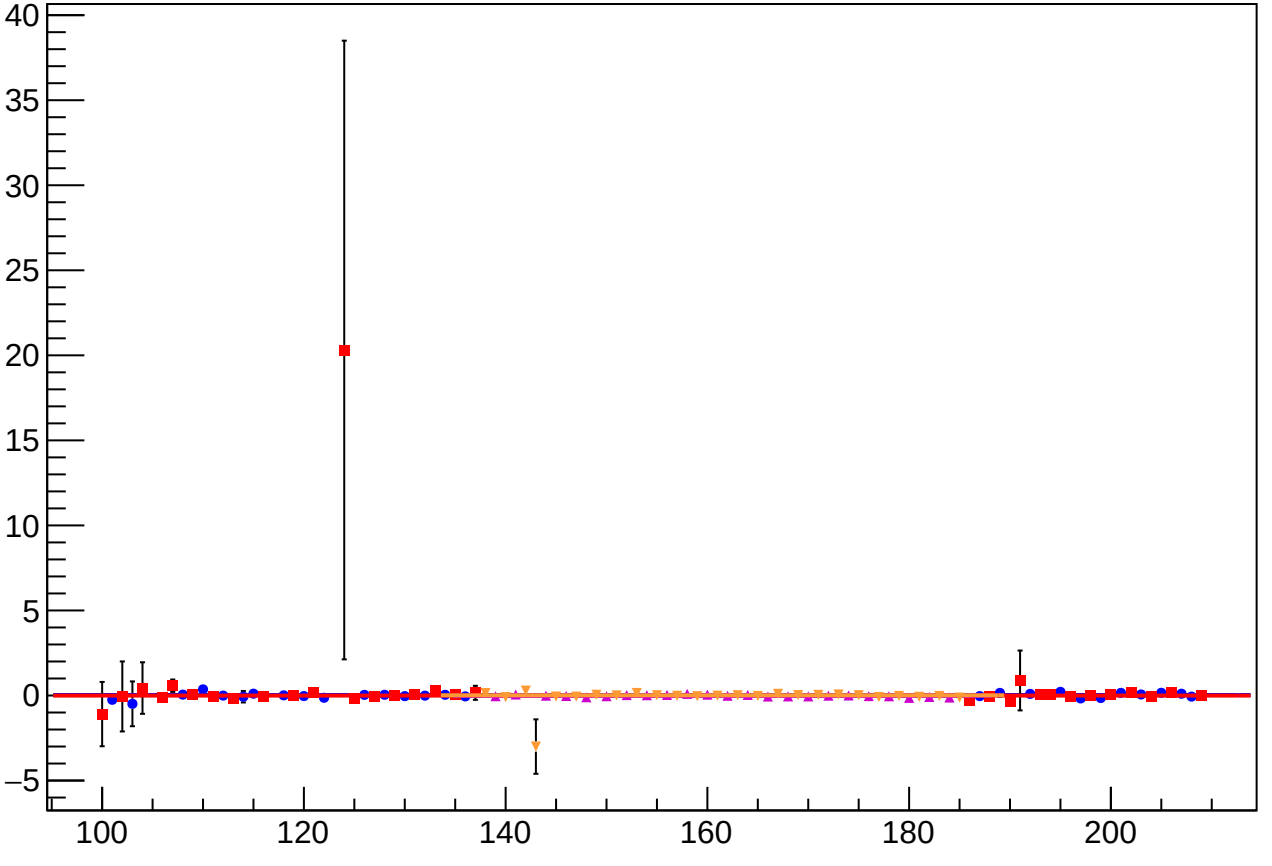
Right: 65.304+/-0.010 χ^2/NDF: 10399722.9/58

In: 52.451+/-0.007 χ^2/NDF:7465961.8/49

Out: 52.223+/-0.007 χ^2/NDF:10745094.3/56

All: 52.336+/-0.005 χ^2/NDF: 18211527.8/106

asym_at1_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.028+/-0.021 χ^2/NDF: 23.5/26

Left Out: 0.011+/-0.012 χ^2/NDF:29.6/24

Right Out: -0.004+/-0.019 χ^2/NDF: 30.0/31

Left In: -0.018+/-0.012 χ^2/NDF:20.3/22

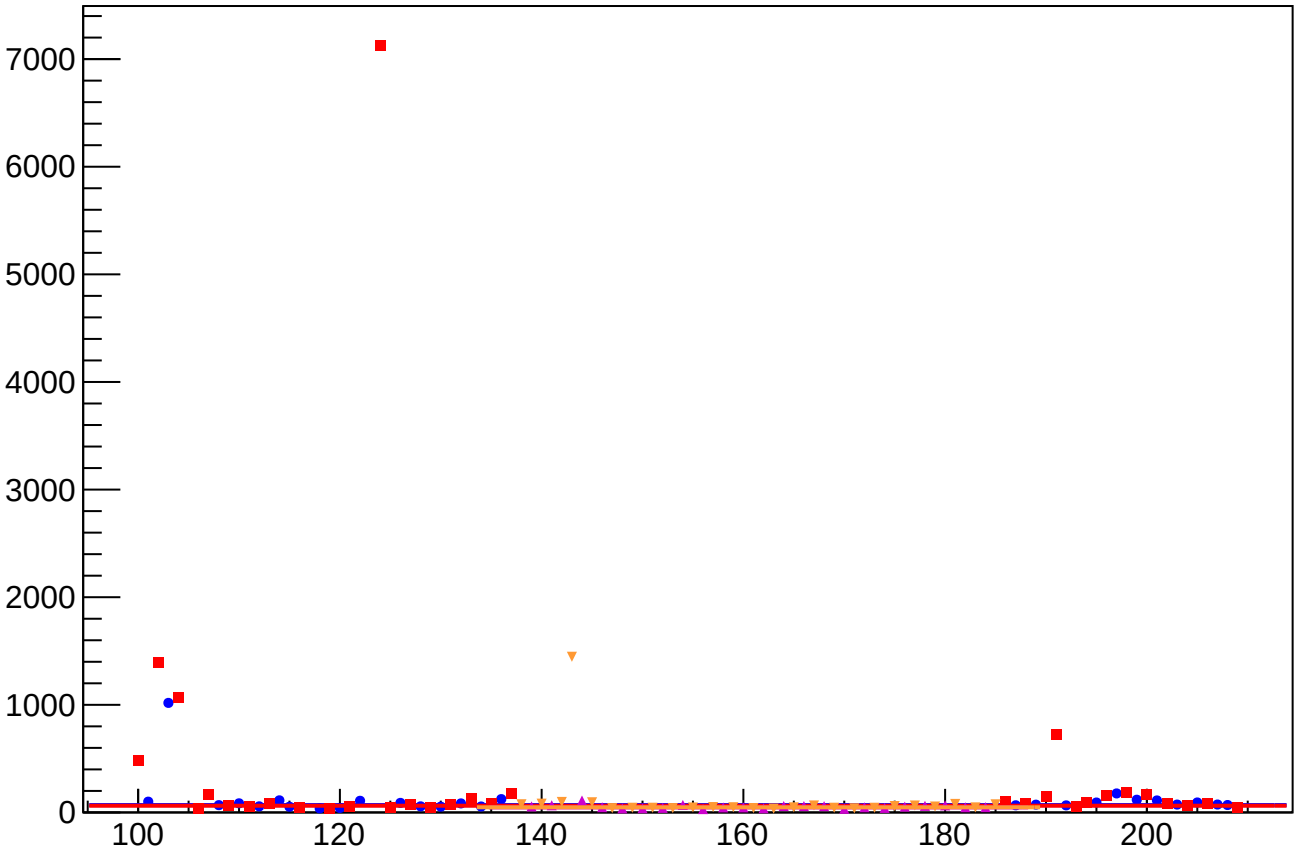
Left: -0.004+/-0.009 χ^2/NDF: 52.8/47

Right: 0.011+/-0.014 χ^2/NDF: 54.8/58

In: -0.006+/-0.011 χ^2/NDF:47.5/49

Out: 0.007+/-0.010 χ^2/NDF:60.1/56

All: 0.000+/-0.007 χ^2/NDF: 108.3/106



Right In: 68.431+/-0.015 χ^2/NDF: 3883438.6/26

Left Out: 47.902+/-0.009 χ^2/NDF:3496571.8/24

Right Out: 62.568+/-0.014 χ^2/NDF: 6429715.0/31

Left In: 46.786+/-0.009 χ^2/NDF:1949480.3/22

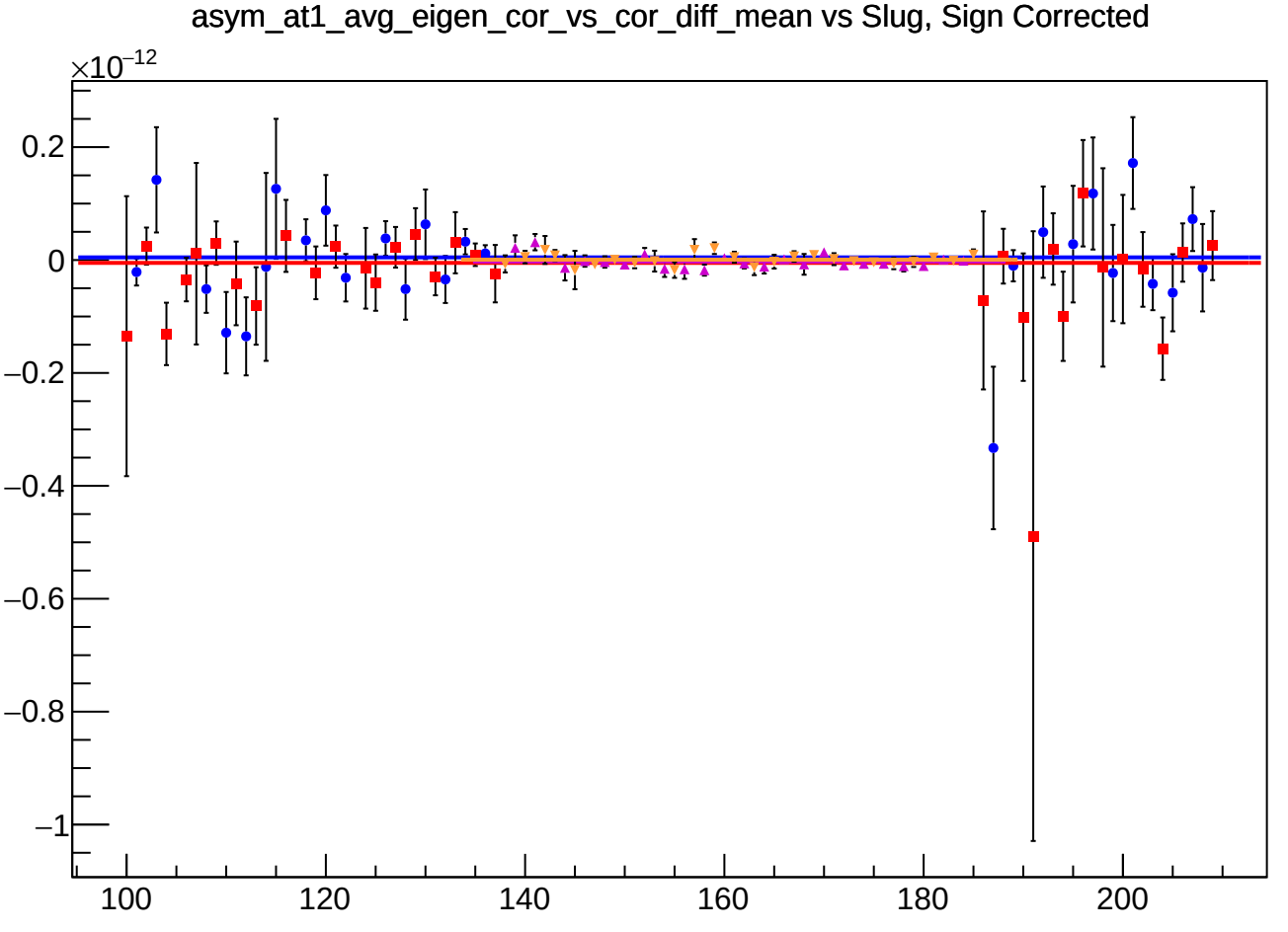
Left: 47.335+/-0.006 χ^2/NDF: 5454214.5/47

Right: 65.304+/-0.010 χ^2/NDF: 10399722.9/58

In: 52.451+/-0.007 χ^2/NDF:7465961.8/49

Out: 52.223+/-0.007 χ^2/NDF:10745094.3/56

All: 52.336+/-0.005 χ^2/NDF: 18211527.8/106



Right In: 0.000+/-0.000 χ^2/NDF: 37.8/26

Left Out: 0.000+/-0.000 χ^2/NDF:15.1/24

Right Out: -0.000+/-0.000 χ^2/NDF: 27.5/31

Left In: -0.000+/-0.000 χ^2/NDF:21.8/22

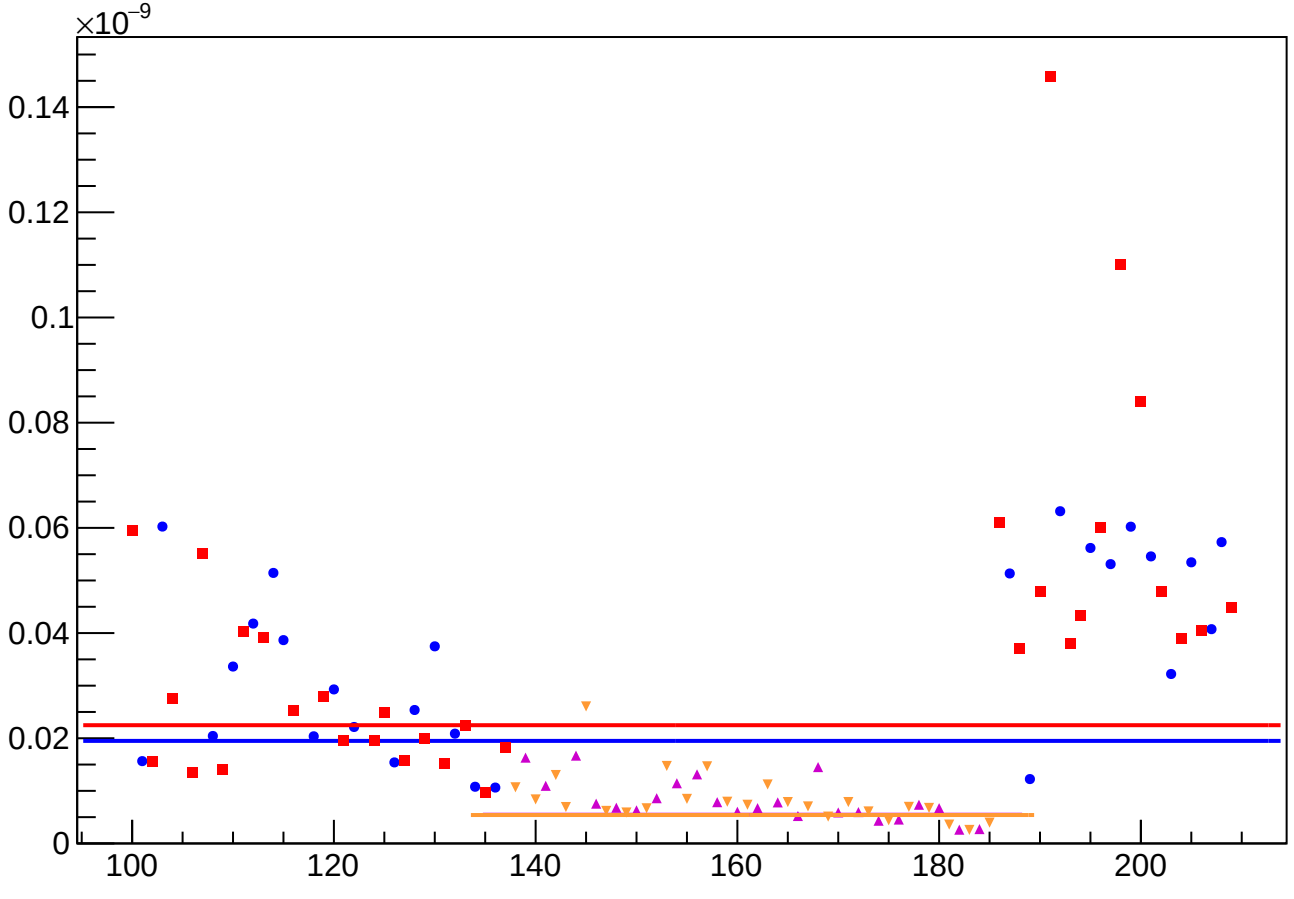
Left: -0.000+/-0.000 χ^2/NDF: 38.7/47

Right: 0.000+/-0.000 χ^2/NDF: 65.9/58

In: -0.000+/-0.000 χ^2/NDF:60.4/49

Out: 0.000+/-0.000 χ^2/NDF:43.0/56

All: -0.000+/-0.000 χ^2/NDF: 104.6/106



Right In: 0.000+/-0.000 χ^2/NDF: 5697382.7/26

Left Out: 0.000+/-0.000 χ^2/NDF:5134602.9/24

Right Out: 0.000+/-0.000 χ^2/NDF: 4883883.7/31

Left In: 0.000+/-0.000 χ^2/NDF:4905821.2/22

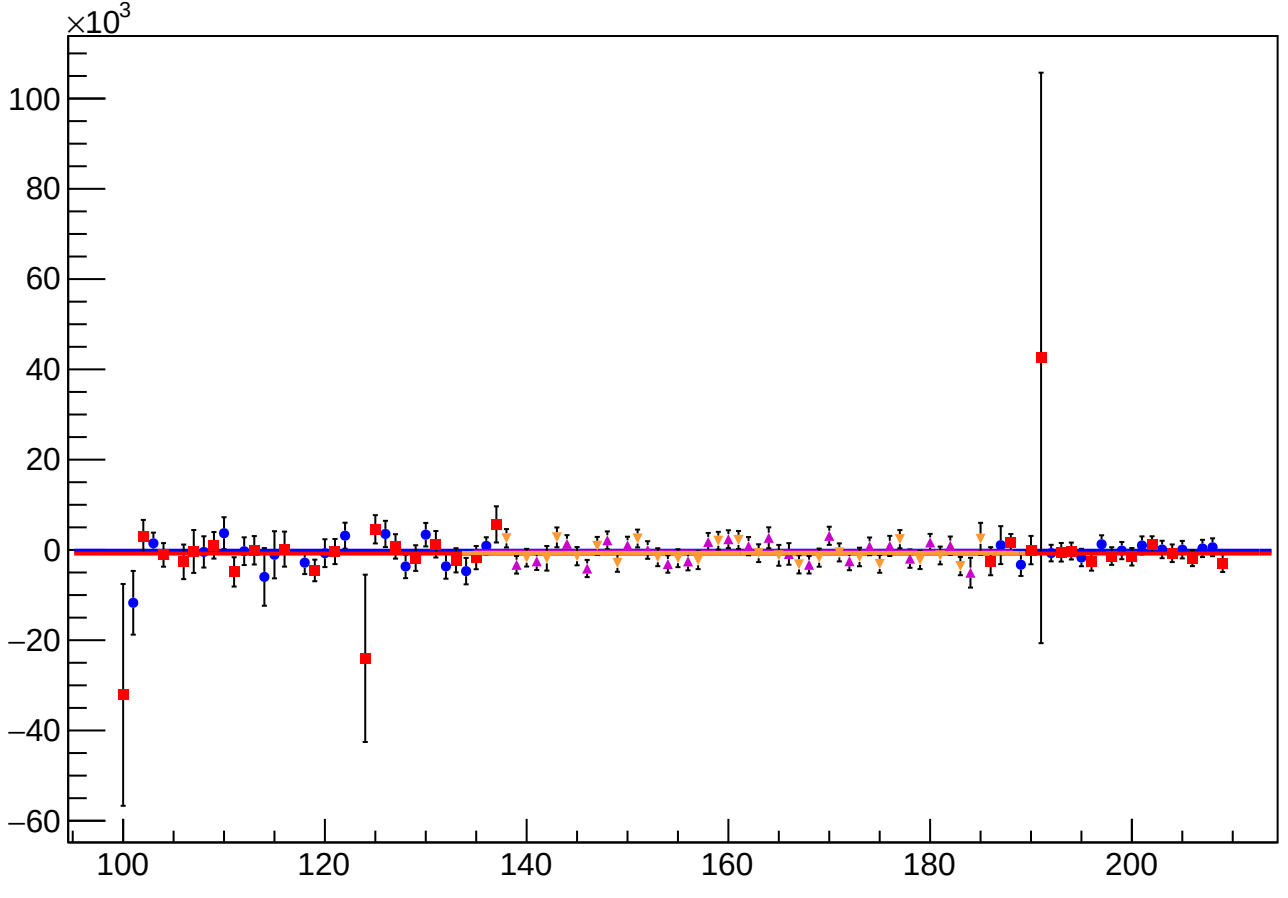
Left: 0.000+/-0.000 χ^2/NDF: 10041467.9/47

Right: 0.000+/-0.000 χ^2/NDF: 10709920.0/58

In: 0.000+/-0.000 χ^2/NDF:16794116.6/49

Out: 0.000+/-0.000 χ^2/NDF:17239478.5/56

All: 0.000+/-0.000 χ^2/NDF: 34039632.8/106



Right In: -175.675+/-472.460 χ^2/NDF: 20.7/26

Left Out: -670.041+/-412.206 χ^2/NDF:24.7/24

Right Out: -806.625+/-459.920 χ^2/NDF: 21.9/31

Left In: -342.945+/-422.712 χ^2/NDF:30.1/22

Left: -510.608+/-295.118 χ^2/NDF: 55.1/47

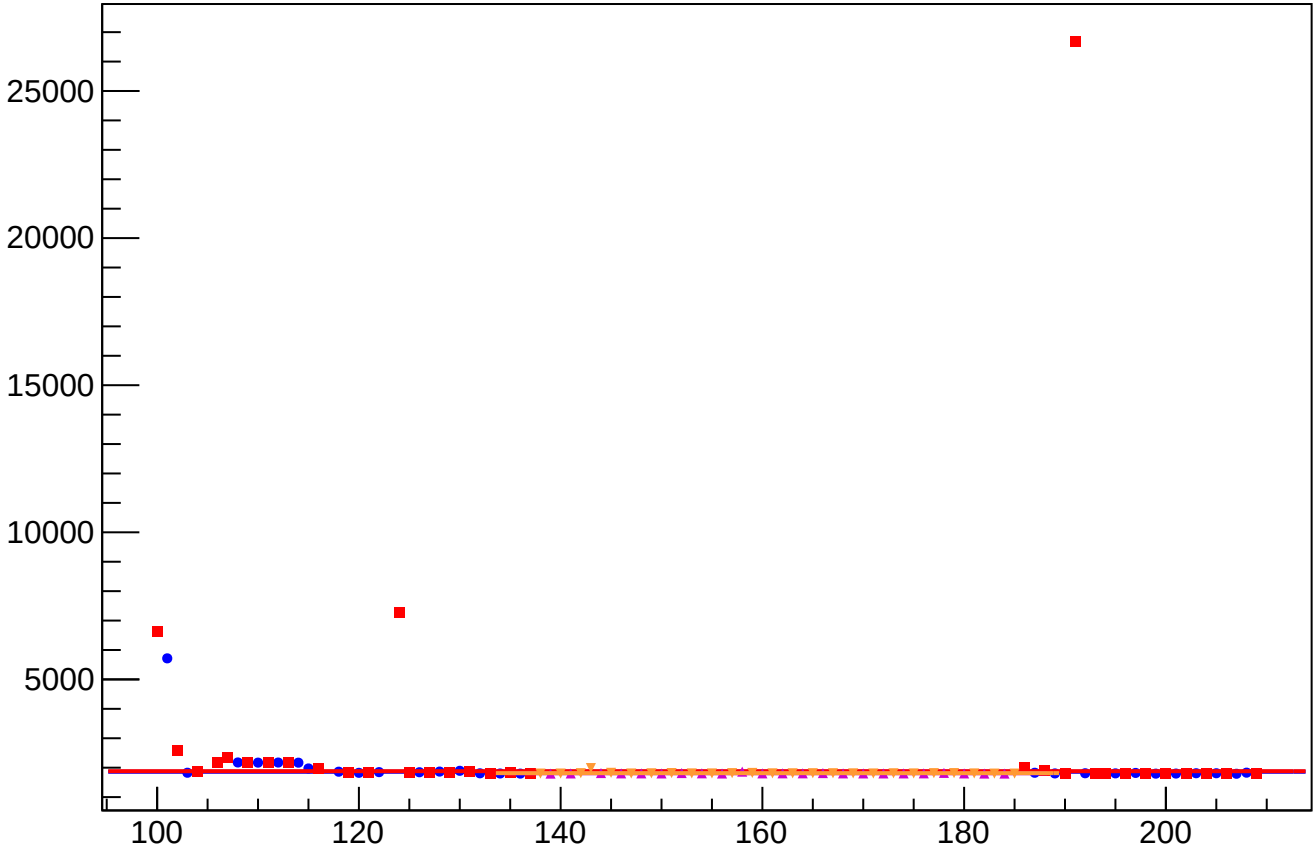
Right: -499.634+/-329.557 χ^2/NDF: 43.6/58

In: -268.577+/-315.027 χ^2/NDF:50.9/49

Out: -730.883+/-306.961 χ^2/NDF:46.7/56

All: -505.724+/-219.851 χ^2/NDF: 98.7/106

reg_asym_at1_dd_rms vs Slug, Sign Corrected



Right In: 1860.752+/-0.334 χ^2/NDF: 674578.8/26

Left Out: 1814.435+/-0.291 χ^2/NDF:13102.1/24

Right Out: 1880.646+/-0.325 χ^2/NDF: 750071.1/31

Left In: 1810.457+/-0.299 χ^2/NDF:1967.2/22

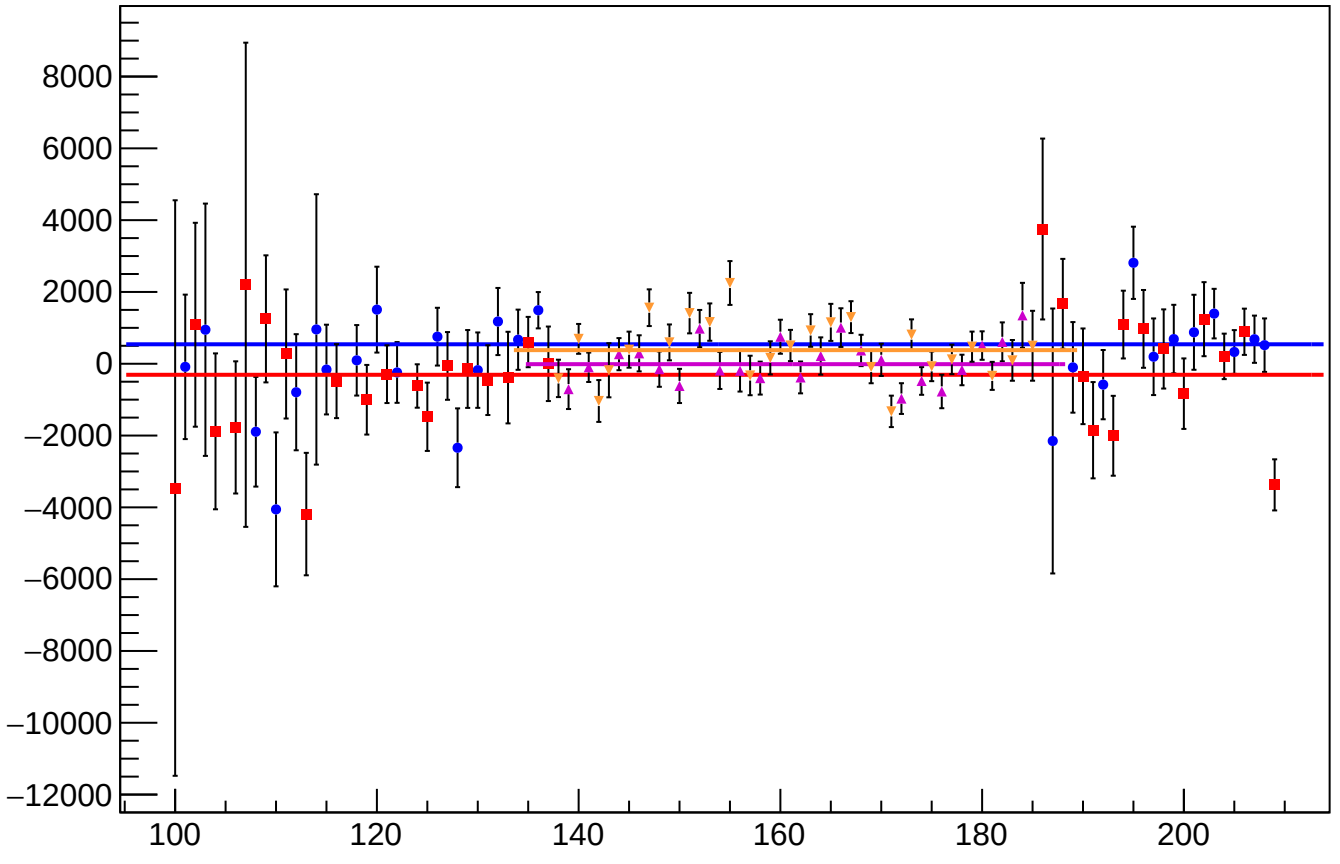
Left: 1812.496+/-0.209 χ^2/NDF: 15160.0/47

Right: 1870.966+/-0.233 χ^2/NDF: 1426470.7/58

In: 1832.818+/-0.223 χ^2/NDF:689133.6/49

Out: 1843.929+/-0.217 χ^2/NDF:786159.4/56

All: 1838.517+/-0.155 χ^2/NDF: 1476569.2/10



Right In: 542.327+/-184.063 χ^2/NDF: 30.6/26

Left Out: 379.353+/-97.013 χ^2/NDF:62.3/24

Right Out: -307.274+/-182.521 χ^2/NDF: 50.0/31

Left In: -11.527+/-98.976 χ^2/NDF:31.1/22

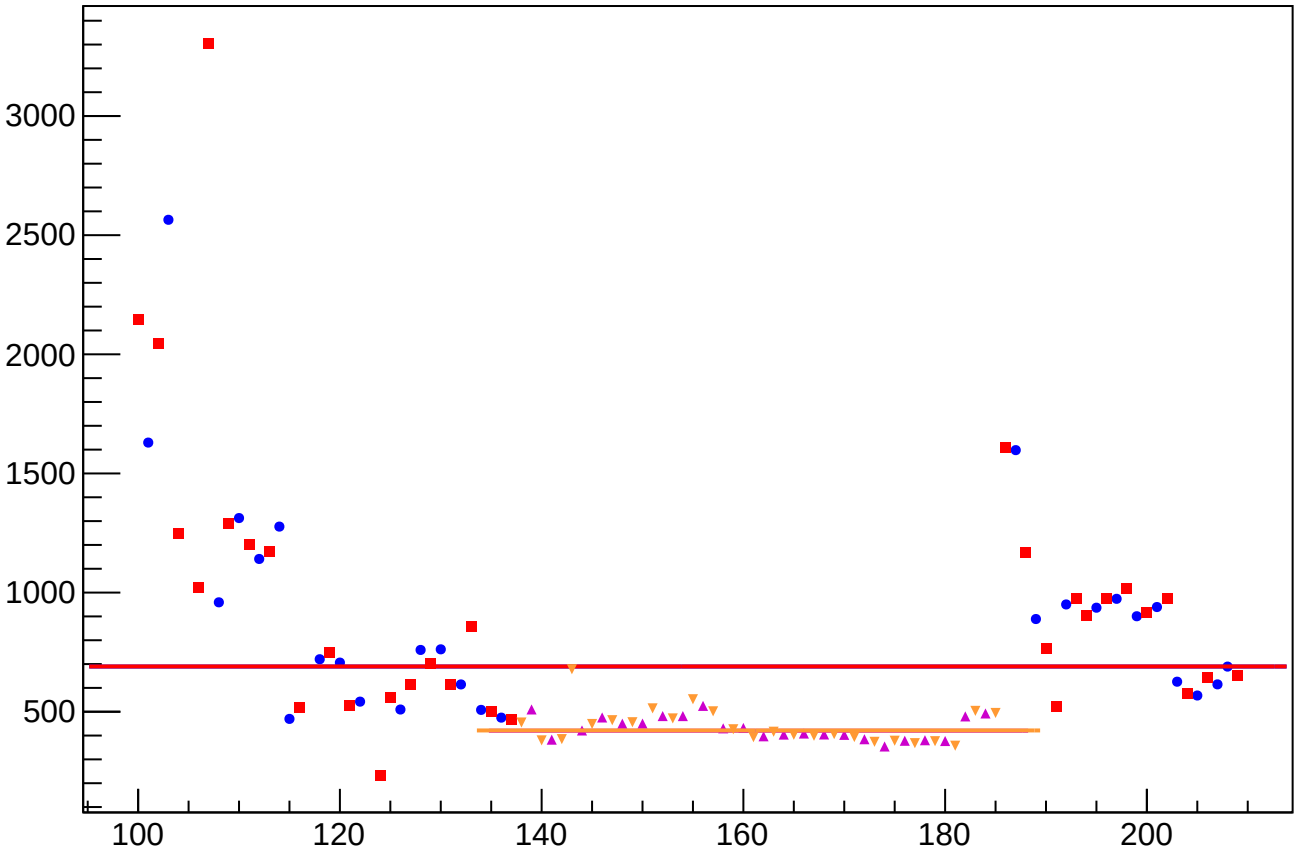
Left: 187.827+/-69.282 χ^2/NDF: 101.4/47

Right: 113.952+/-129.604 χ^2/NDF: 91.3/58

In: 112.700+/-87.172 χ^2/NDF:68.7/49

Out: 228.103+/-85.664 χ^2/NDF:123.3/56

All: 171.408+/-61.100 χ^2/NDF: 192.9/106



Right In: 689.645+/-0.130 χ^2/NDF: 3064632.8/26

Left Out: 421.417+/-0.069 χ^2/NDF:743048.1/24

Right Out: 689.984+/-0.129 χ^2/NDF: 4681208.1/31

Left In: 420.222+/-0.070 χ^2/NDF:413129.7/22

Left: 420.831+/-0.049 χ^2/NDF: 1156326.3/47

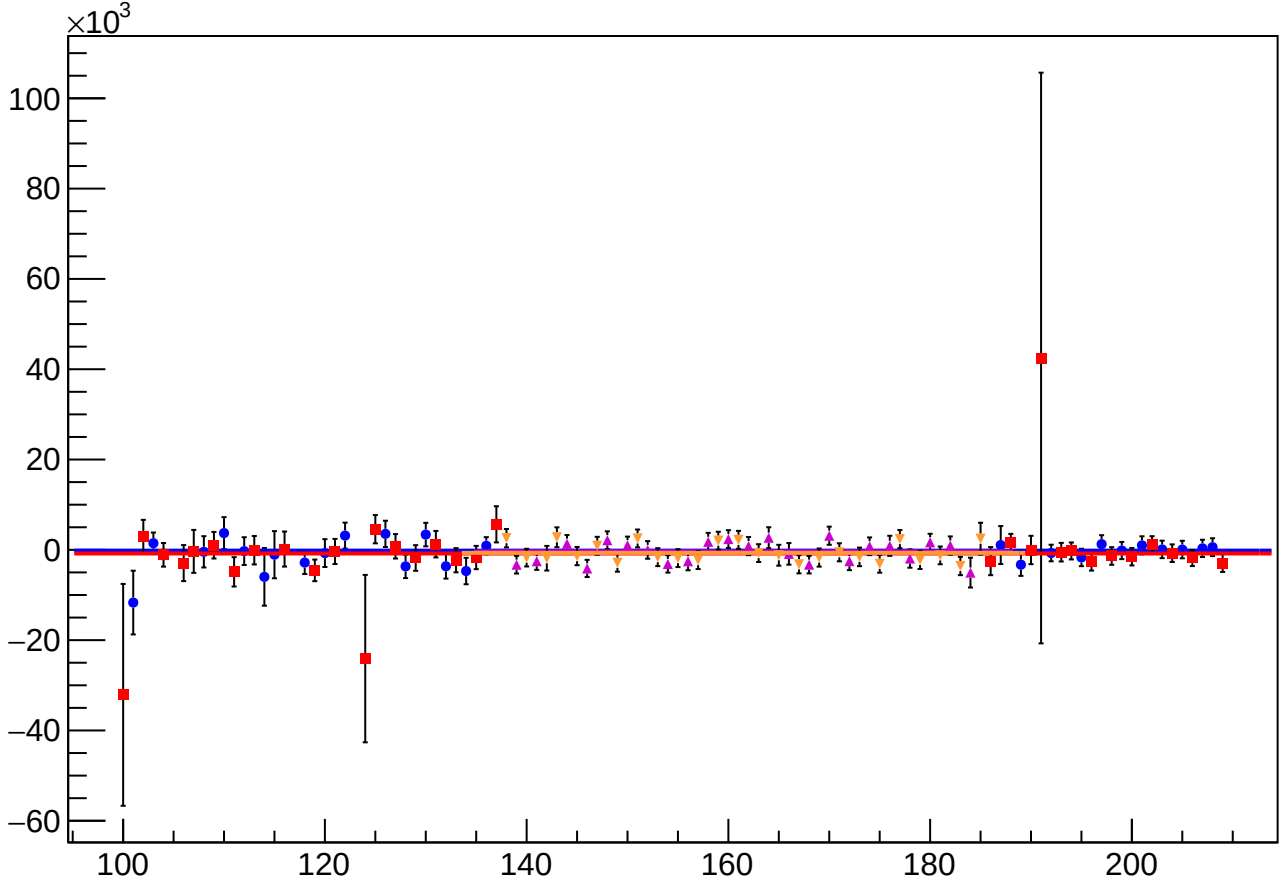
Right: 689.816+/-0.092 χ^2/NDF: 7745844.3/58

In: 480.653+/-0.062 χ^2/NDF:6801741.8/49

Out: 480.576+/-0.061 χ^2/NDF:8800626.1/56

All: 480.614+/-0.043 χ^2/NDF: 15602368.6/10

cor_asym_at1_dd_mean vs Slug, Sign Corrected



Right In: -175.316+/-472.460 χ^2/NDF: 20.7/26

Left Out: -670.031+/-412.206 χ^2/NDF:24.7/24

Right Out: -808.637+/-460.182 χ^2/NDF: 22.0/31

Left In: -342.989+/-422.712 χ^2/NDF:30.1/22

Left: -510.625+/-295.118 χ^2/NDF: 55.1/47

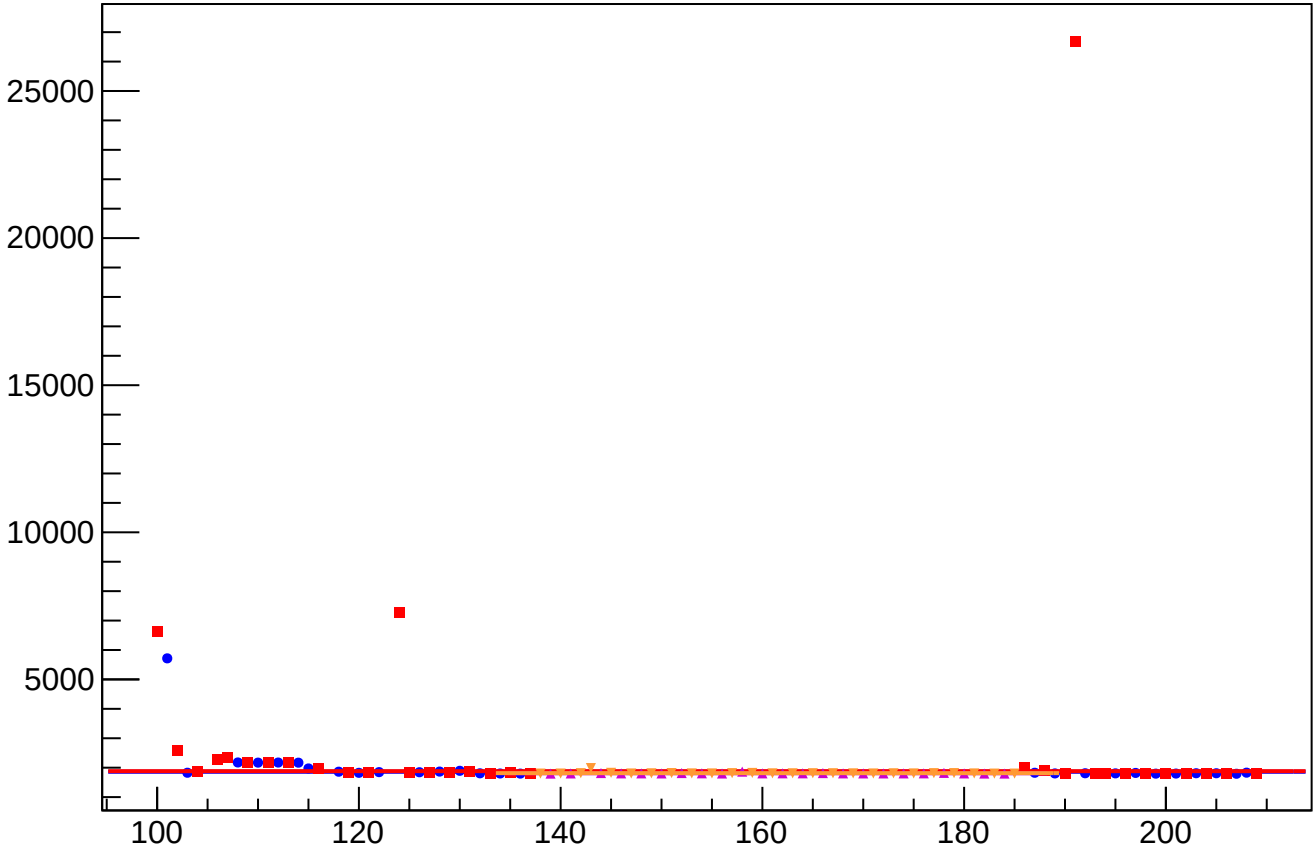
Right: -500.313+/-329.653 χ^2/NDF: 43.6/58

In: -268.442+/-315.027 χ^2/NDF:50.9/49

Out: -731.735+/-307.039 χ^2/NDF:46.8/56

All: -506.037+/-219.879 χ^2/NDF: 98.8/106

cor_asym_at1_dd_rms vs Slug, Sign Corrected



Right In: 1860.752+/-0.334 χ^2/NDF: 674578.7/26

Left Out: 1814.435+/-0.291 χ^2/NDF:13102.1/24

Right Out: 1881.385+/-0.325 χ^2/NDF: 756202.2/31

Left In: 1810.457+/-0.299 χ^2/NDF:1967.2/22

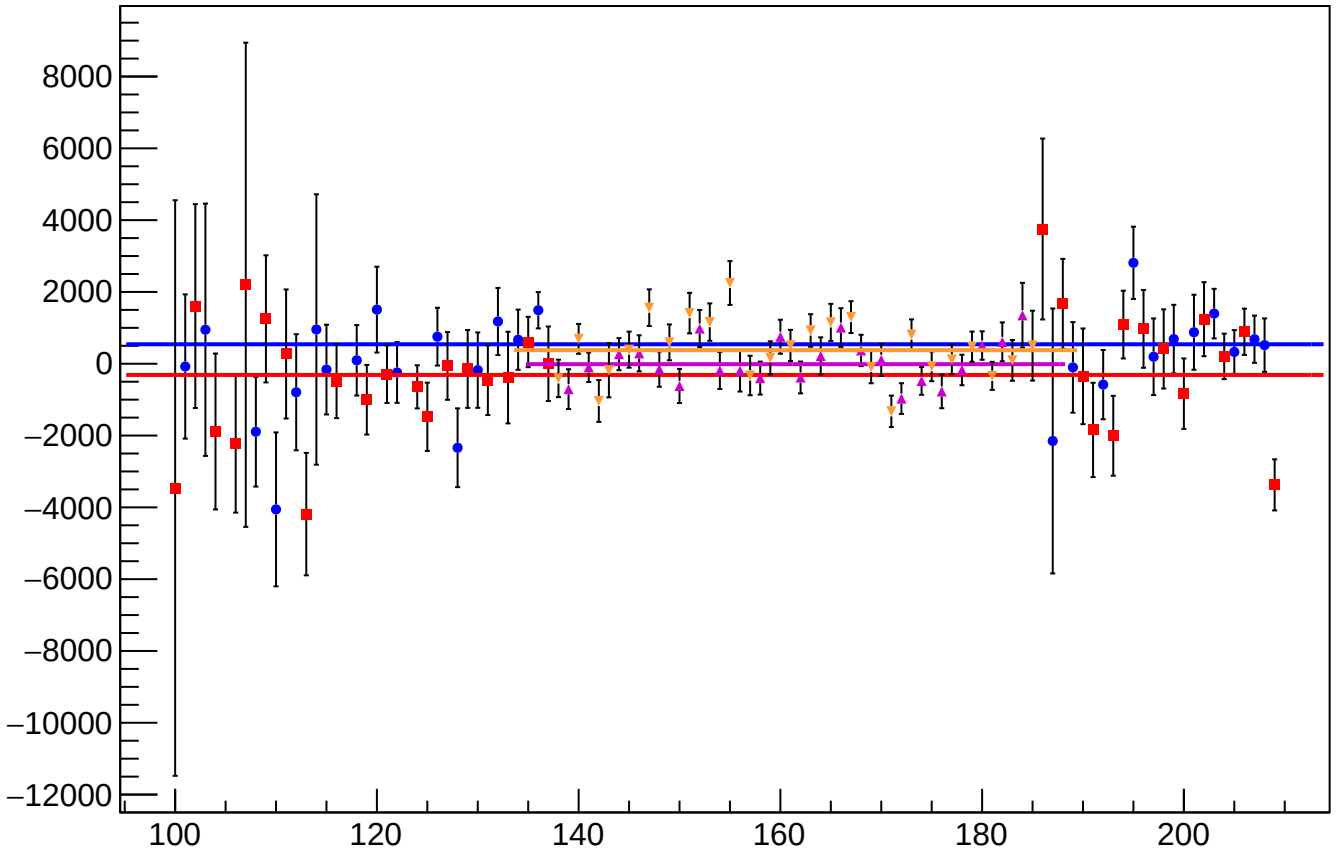
Left: 1812.496+/-0.209 χ^2/NDF: 15160.0/47

Right: 1871.340+/-0.233 χ^2/NDF: 1432738.4/58

In: 1832.818+/-0.223 χ^2/NDF:689133.5/49

Out: 1844.239+/-0.217 χ^2/NDF:792792.0/56

All: 1838.675+/-0.155 χ^2/NDF: 1483273.6/10



Right In: 542.366+/-184.060 χ^2/NDF: 30.6/26

Left Out: 379.343+/-97.014 χ^2/NDF:62.3/24

Right Out: -311.877+/-182.393 χ^2/NDF: 50.6/31

Left In: -11.539+/-98.975 χ^2/NDF:31.1/22

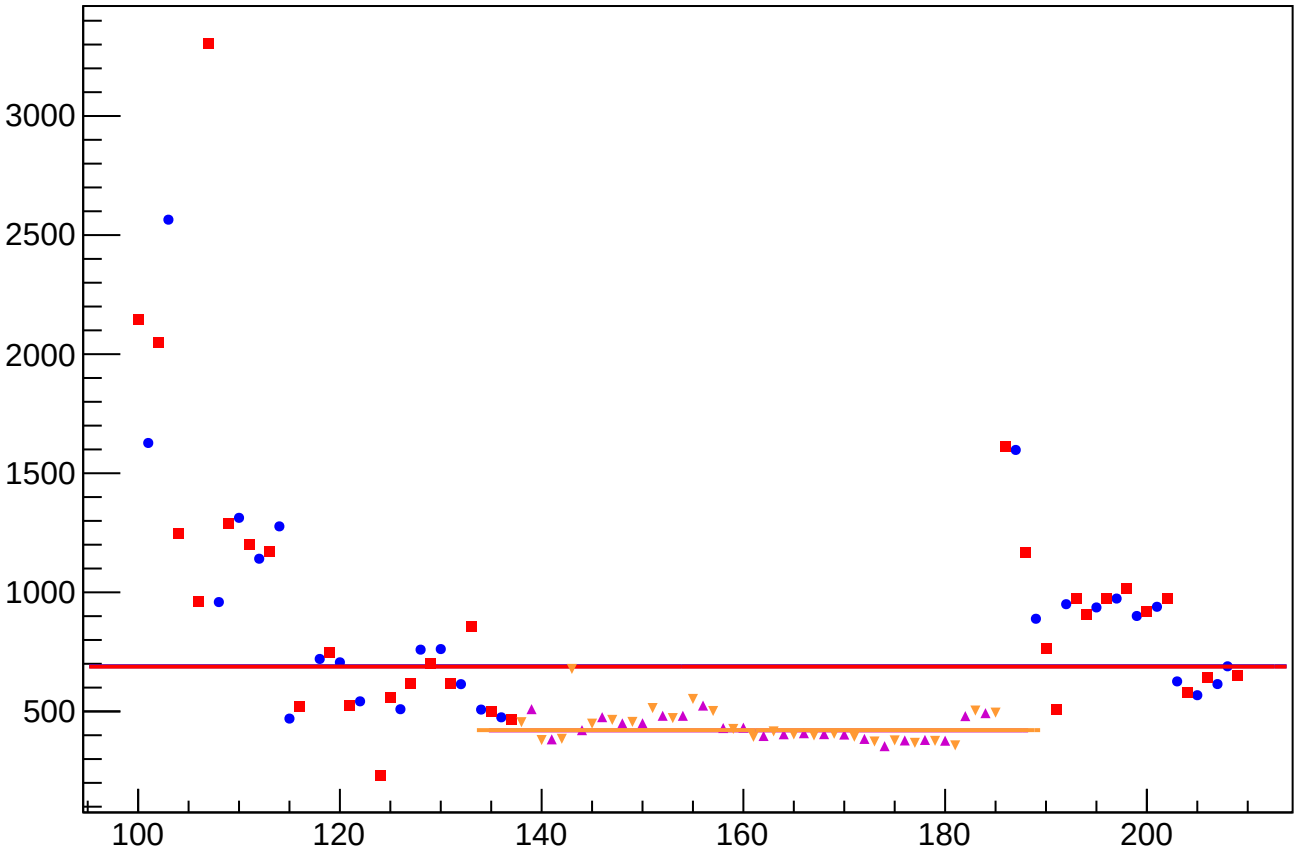
Left: 187.813+/-69.282 χ^2/NDF: 101.4/47

Right: 111.358+/-129.557 χ^2/NDF: 92.1/58

In: 112.701+/-87.171 χ^2/NDF:68.7/49

Out: 226.913+/-85.652 χ^2/NDF:124.2/56

All: 170.811+/-61.095 χ^2/NDF: 193.8/106



Right In: 689.644+/-0.130 χ^2/NDF: 3063800.7/26

Left Out: 421.420+/-0.069 χ^2/NDF:742987.6/24

Right Out: 688.068+/-0.129 χ^2/NDF: 4690951.0/31

Left In: 420.218+/-0.070 χ^2/NDF:413172.4/22

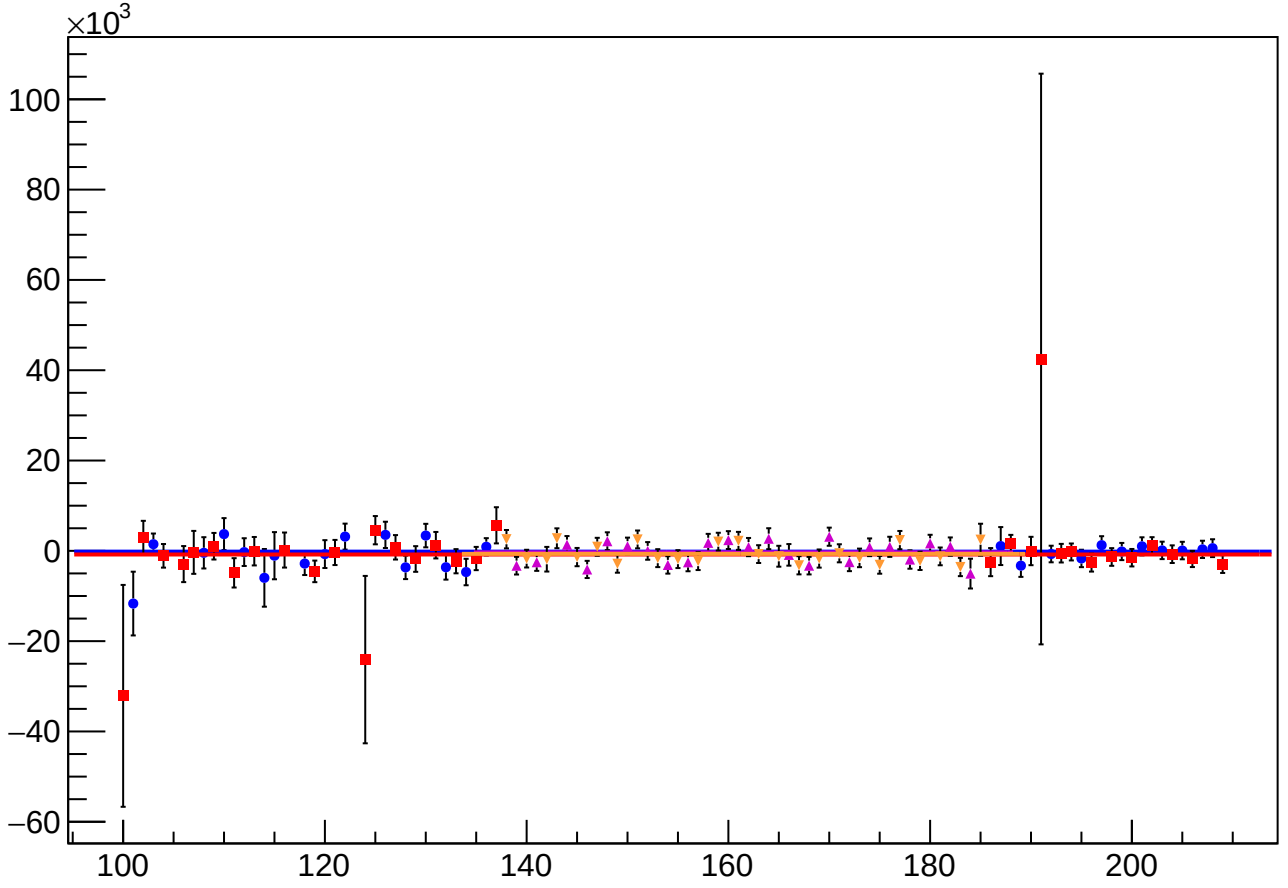
Left: 420.831+/-0.049 χ^2/NDF: 1156310.3/47

Right: 688.849+/-0.092 χ^2/NDF: 7754825.7/58

In: 480.650+/-0.062 χ^2/NDF:6801141.1/49

Out: 480.222+/-0.061 χ^2/NDF:8765855.3/56

All: 480.432+/-0.043 χ^2/NDF: 15567021.0/10



Right In: -175.316+/-472.460 χ^2/NDF: 20.7/26

Left Out: -670.031+/-412.206 χ^2/NDF:24.7/24

Right Out: -808.637+/-460.182 χ^2/NDF: 22.0/31

Left In: -342.989+/-422.712 χ^2/NDF:30.1/22

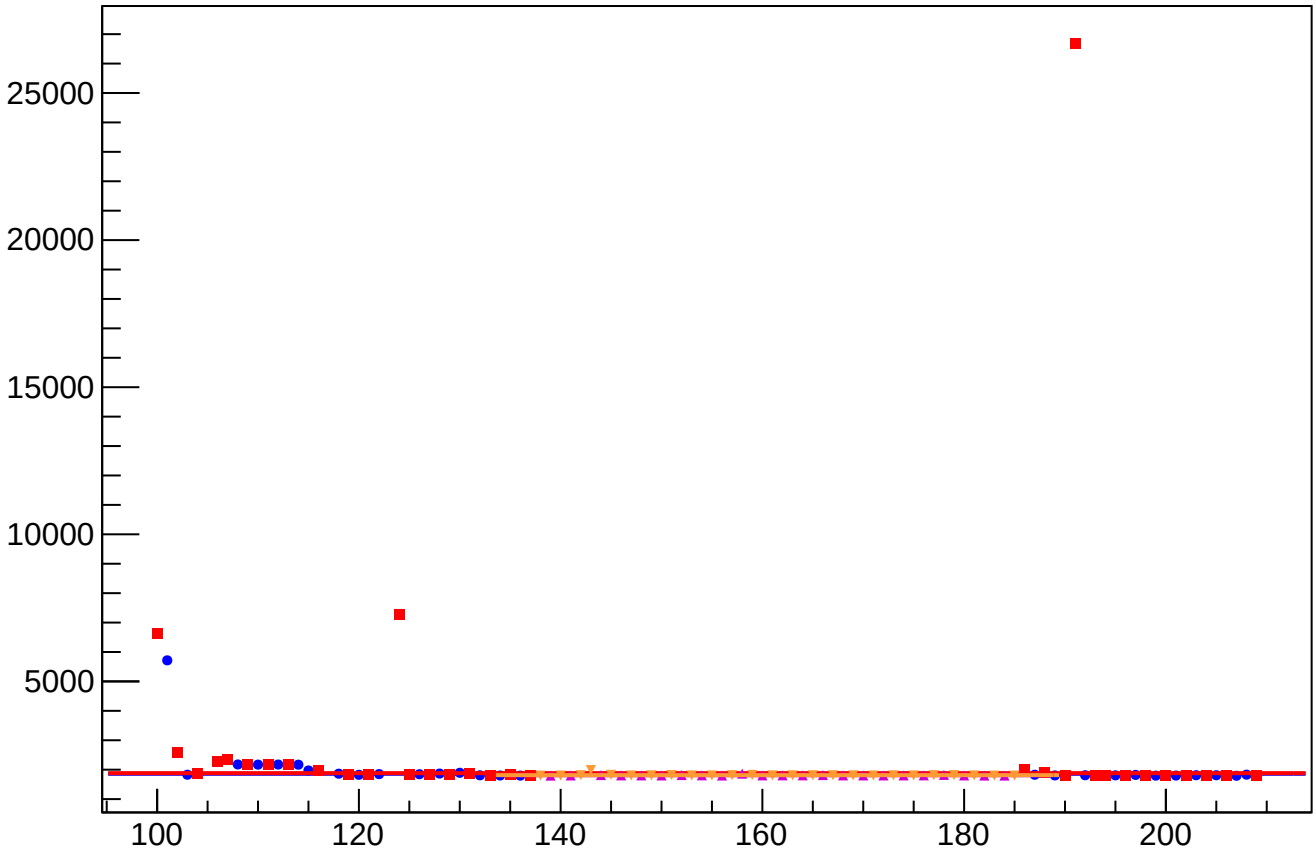
Left: -510.625+/-295.118 χ^2/NDF: 55.1/47

Right: -500.313+/-329.653 χ^2/NDF: 43.6/58

In: -268.442+/-315.027 χ^2/NDF:50.9/49

Out: -731.735+/-307.039 χ^2/NDF:46.8/56

All: -506.037+/-219.879 χ^2/NDF: 98.8/106



Right In: 1860.752+/-0.334 χ^2/NDF: 674578.7/26

Left Out: 1814.435+/-0.291 χ^2/NDF:13102.1/24

Right Out: 1881.385+/-0.325 χ^2/NDF: 756202.2/31

Left In: 1810.457+/-0.299 χ^2/NDF:1967.2/22

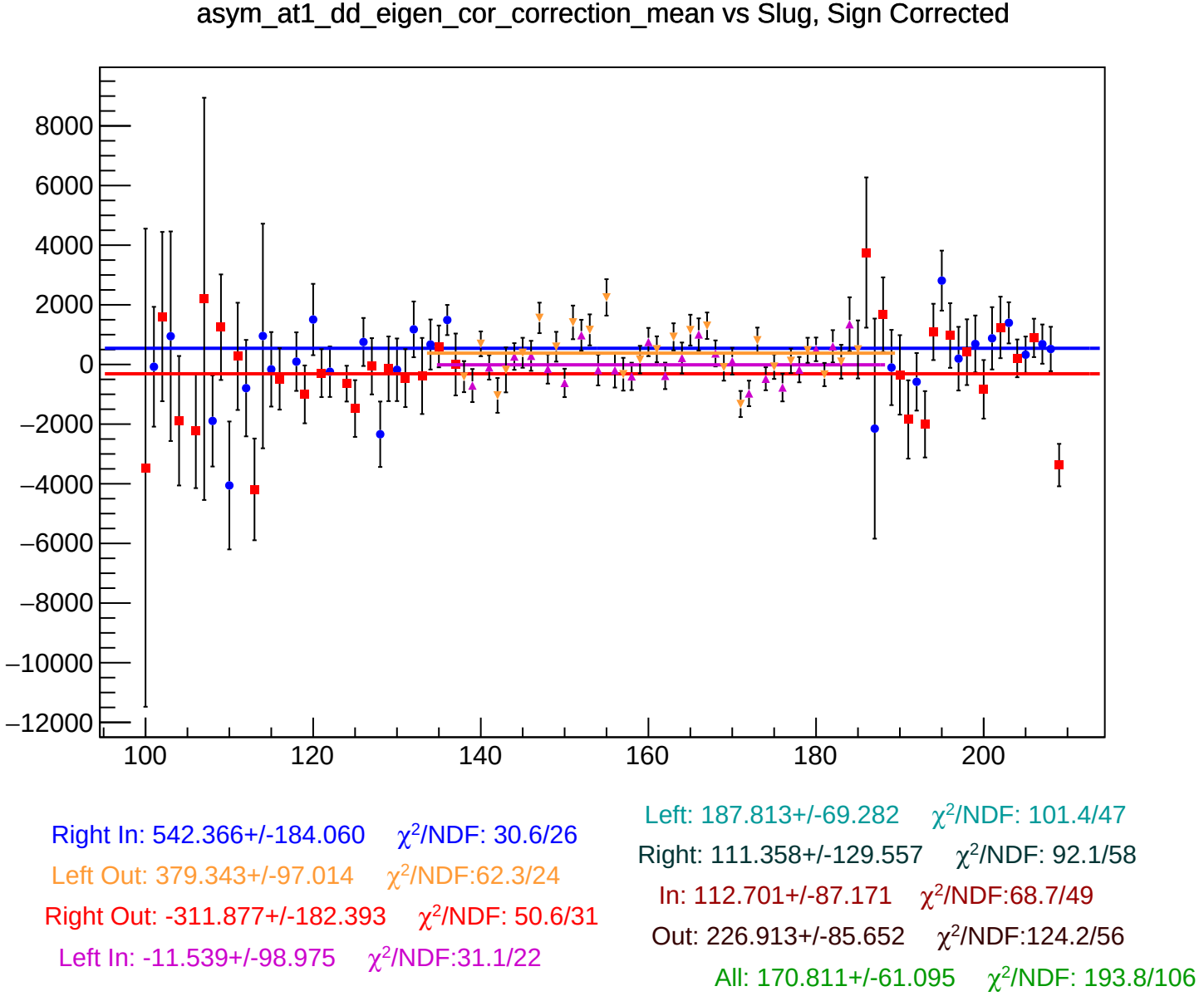
Left: 1812.496+/-0.209 χ^2/NDF: 15160.0/47

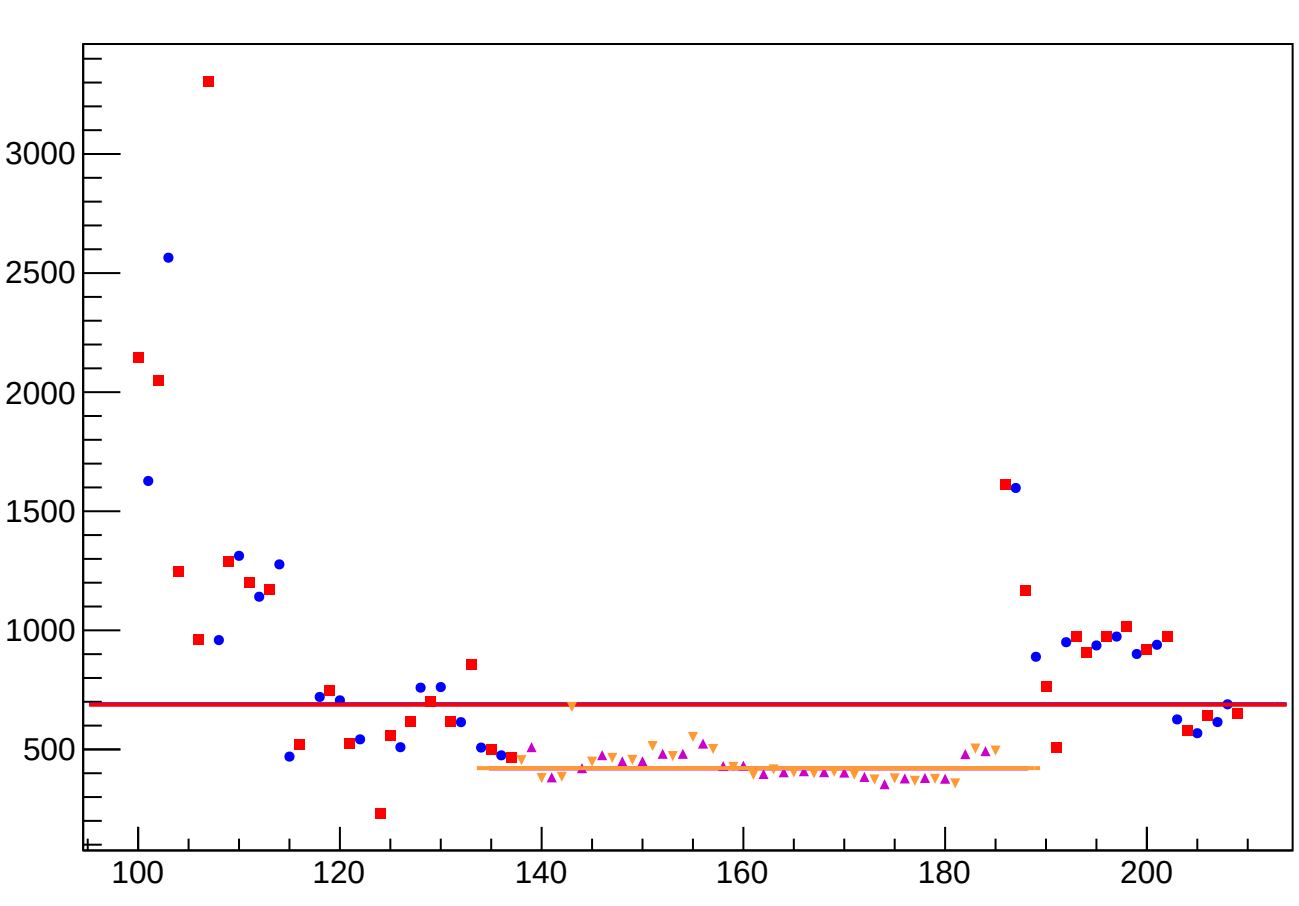
Right: 1871.340+/-0.233 χ^2/NDF: 1432738.4/58

In: 1832.818+/-0.223 χ^2/NDF:689133.5/49

Out: 1844.239+/-0.217 χ^2/NDF:792792.0/56

All: 1838.675+/-0.155 χ^2/NDF: 1483273.6/10


asym_at1_dd_eigen_cor_correction_mean vs Slug, Sign Corrected
8000
6000
4000
2000
0
−2000
−4000
−6000
−8000
−10000
−12000
100
120
140
160
180
200
Right In: 542.366+/-184.060 χ²/NDF: 30.6/26
Left Out: 379.343+/-97.014 χ²/NDF:62.3/24
Right Out: -311.877+/-182.393 χ²/NDF: 50.6/31
Left In: -11.539+/-98.975 χ²/NDF:31.1/22
Left: 187.813+/-69.282 χ²/NDF: 101.4/47
Right: 111.358+/-129.557 χ²/NDF: 92.1/58
In: 112.701+/-87.171 χ²/NDF:68.7/49
Out: 226.913+/-85.652 χ²/NDF:124.2/56
All: 170.811+/-61.095 χ²/NDF: 193.8/106



Right In: 689.644+/-0.130 χ^2/NDF: 3063800.7/26

Left Out: 421.420+/-0.069 χ^2/NDF:742987.6/24

Right Out: 688.068+/-0.129 χ^2/NDF: 4690951.0/31

Left In: 420.218+/-0.070 χ^2/NDF:413172.4/22

Left: 420.831+/-0.049 χ^2/NDF: 1156310.3/47

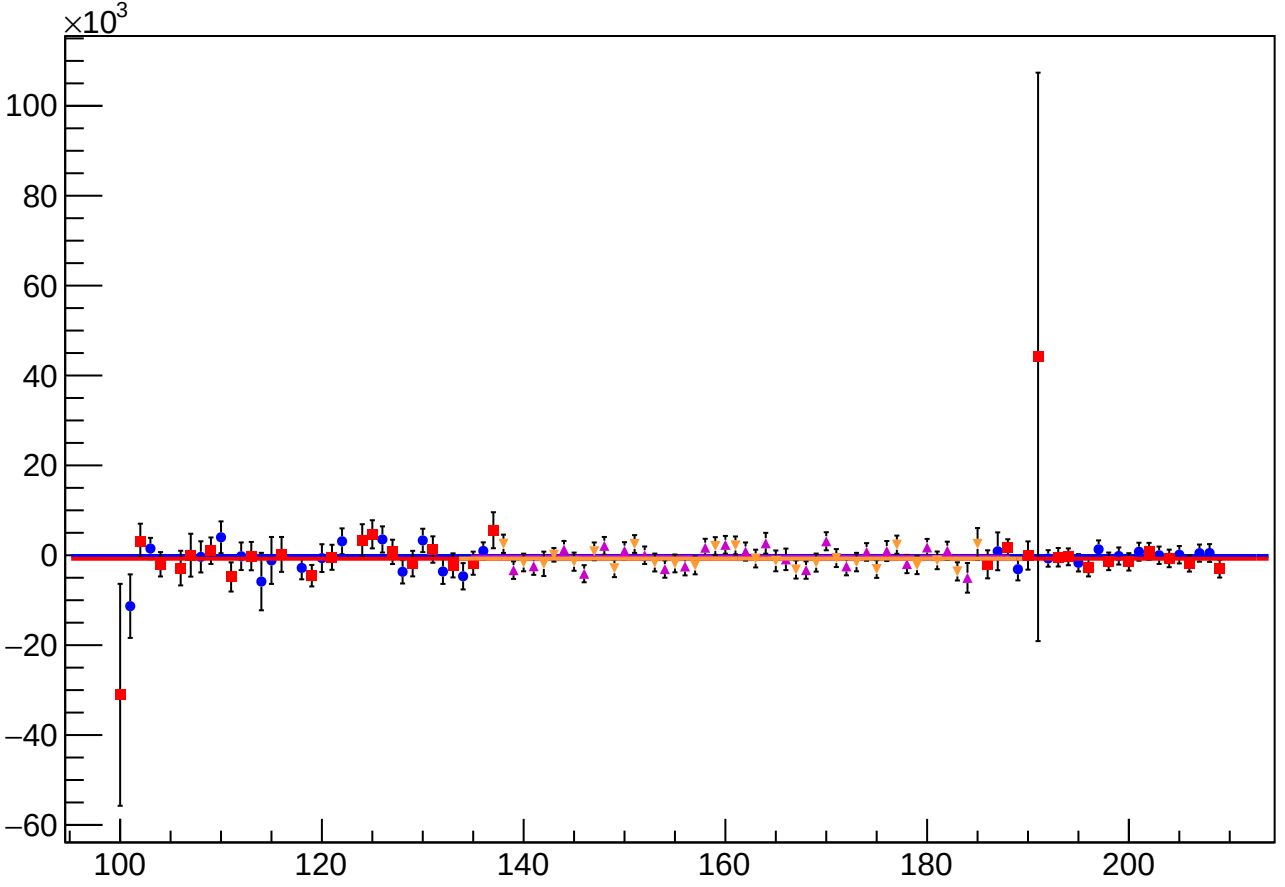
Right: 688.849+/-0.092 χ^2/NDF: 7754825.7/58

In: 480.650+/-0.062 χ^2/NDF:6801141.1/49

Out: 480.222+/-0.061 χ^2/NDF:8765855.3/56

All: 480.432+/-0.043 χ^2/NDF: 15567021.0/10

dit_asym_at1_dd_mean vs Slug, Sign Corrected



Right In: -166.270+/-472.971 χ^2/NDF: 20.3/26

Left Out: -724.527+/-404.417 χ^2/NDF:22.2/24

Right Out: -769.492+/-457.724 χ^2/NDF: 21.6/31

Left In: -341.223+/-422.858 χ^2/NDF:29.6/22

Left: -541.415+/-292.268 χ^2/NDF: 52.3/47

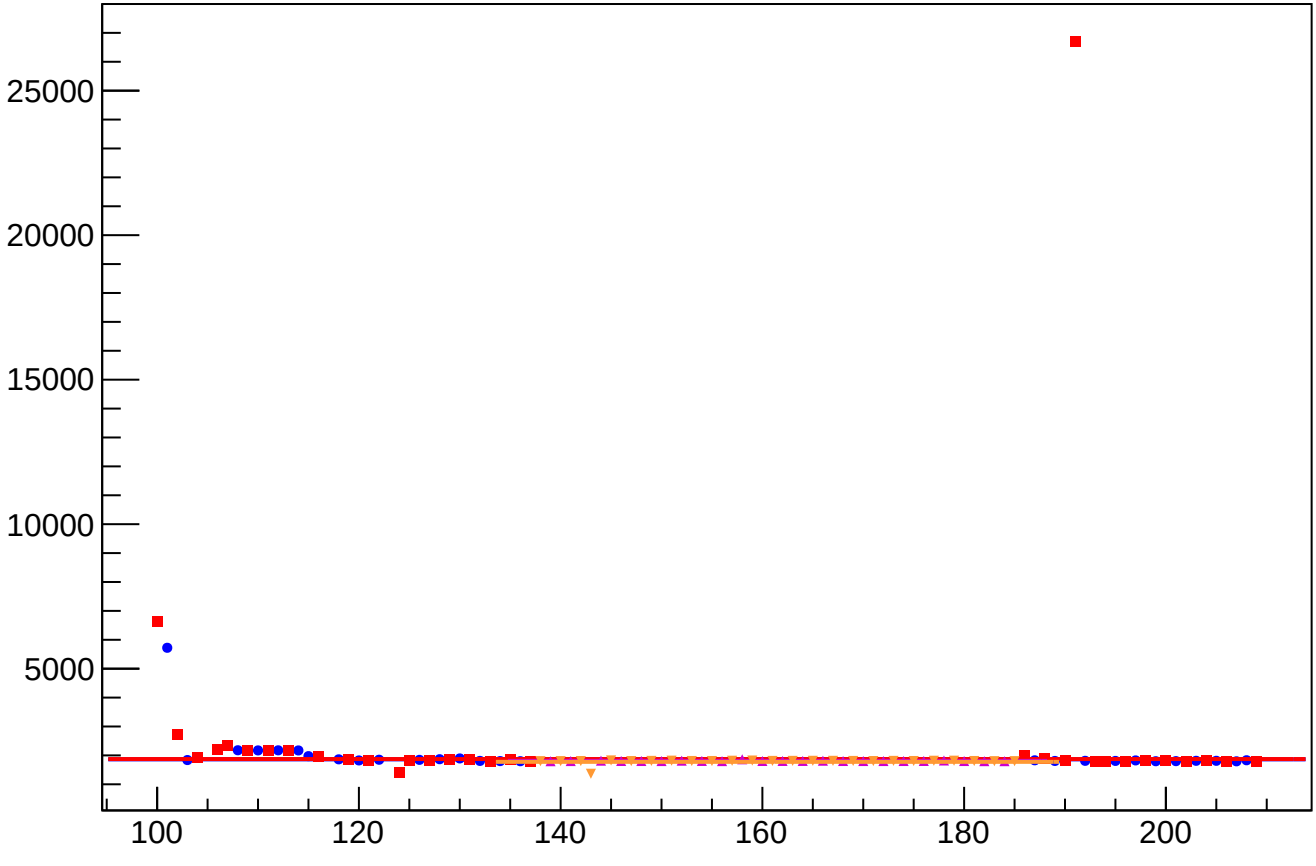
Right: -477.761+/-328.918 χ^2/NDF: 42.7/58

In: -263.503+/-315.239 χ^2/NDF:50.0/49

Out: -744.240+/-303.069 χ^2/NDF:43.8/56

All: -513.330+/-218.478 χ^2/NDF: 95.0/106

dit_asym_at1_dd_rms vs Slug, Sign Corrected



Right In: 1862.645+/-0.334 χ^2/NDF: 674304.5/26

Left Out: 1776.721+/-0.286 χ^2/NDF:161294.8/24

Right Out: 1873.255+/-0.324 χ^2/NDF: 632504.3/31

Left In: 1811.084+/-0.299 χ^2/NDF:1965.1/22

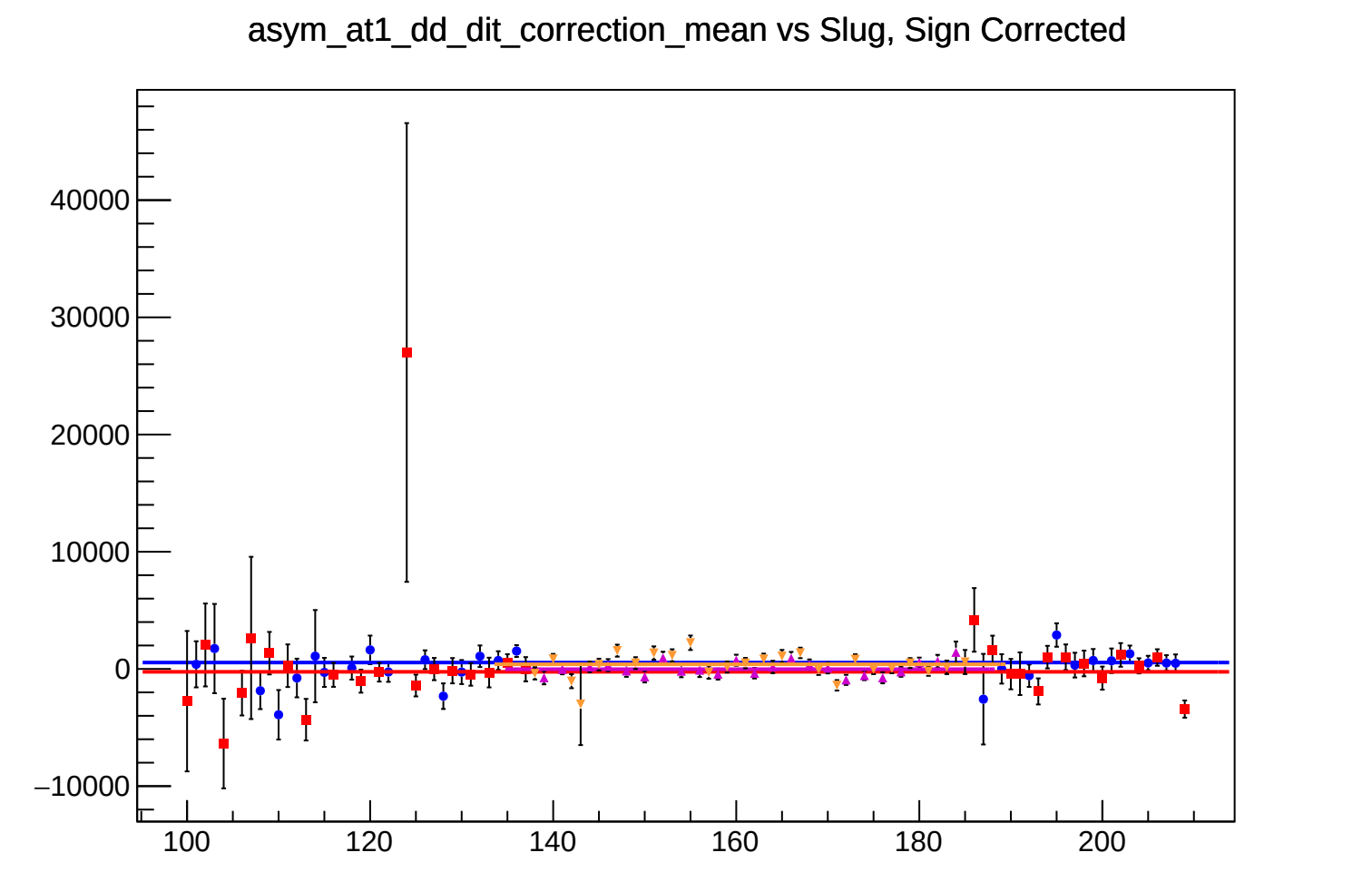
Left: 1793.137+/-0.207 χ^2/NDF: 170157.7/47

Right: 1868.124+/-0.233 χ^2/NDF: 1307328.5/58

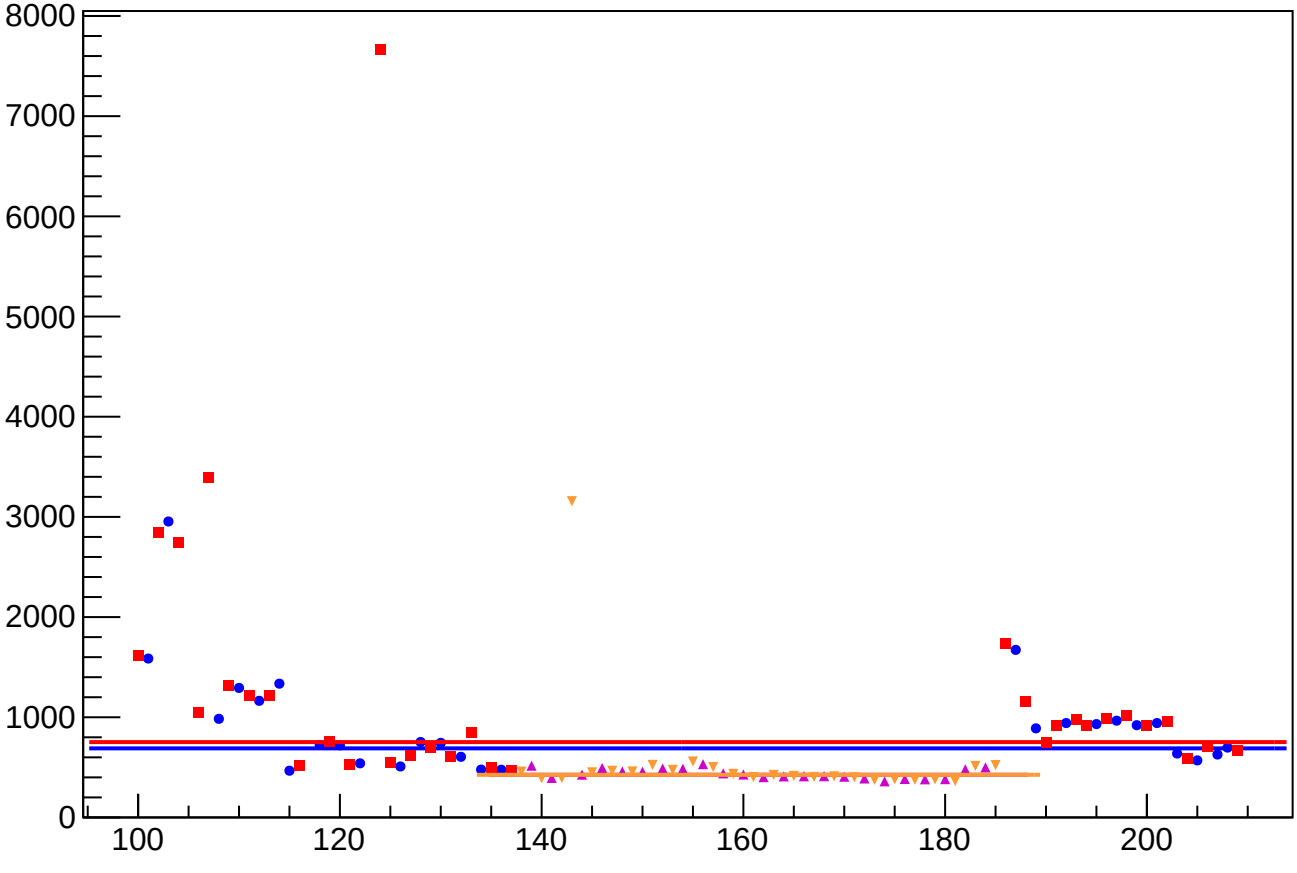
In: 1833.989+/-0.223 χ^2/NDF:689479.5/49

Out: 1819.042+/-0.214 χ^2/NDF:843757.0/56

All: 1826.221+/-0.154 χ^2/NDF: 1535573.0/10


asym_at1_dd_dit_correction_mean vs Slug, Sign Corrected
40000
30000
20000
10000
0
−10000
100
120
140
160
180
200
Right In: 546.053+/-184.123 χ²/NDF: 30.7/26
Left Out: 398.269+/-99.165 χ²/NDF:60.5/24
Right Out: -246.081+/-194.981 χ²/NDF: 51.4/31
Left In: -21.453+/-100.264 χ²/NDF:30.8/22
Left: 190.721+/-70.506 χ²/NDF: 100.2/47
Right: 172.654+/-133.869 χ²/NDF: 90.8/58
In: 108.343+/-88.055 χ²/NDF:68.9/49
Out: 265.851+/-88.390 χ²/NDF:120.6/56
All: 186.798+/-62.382 χ²/NDF: 191.0/106

asym_at1_dd_dit_correction_rms vs Slug, Sign Corrected



Right In: 689.549+/-0.130 χ^2/NDF: 3245573.9/26

Left Out: 425.697+/-0.070 χ^2/NDF:1718145.2/24

Right Out: 752.214+/-0.138 χ^2/NDF: 4352671.2/31

Left In: 426.144+/-0.071 χ^2/NDF:415411.7/22

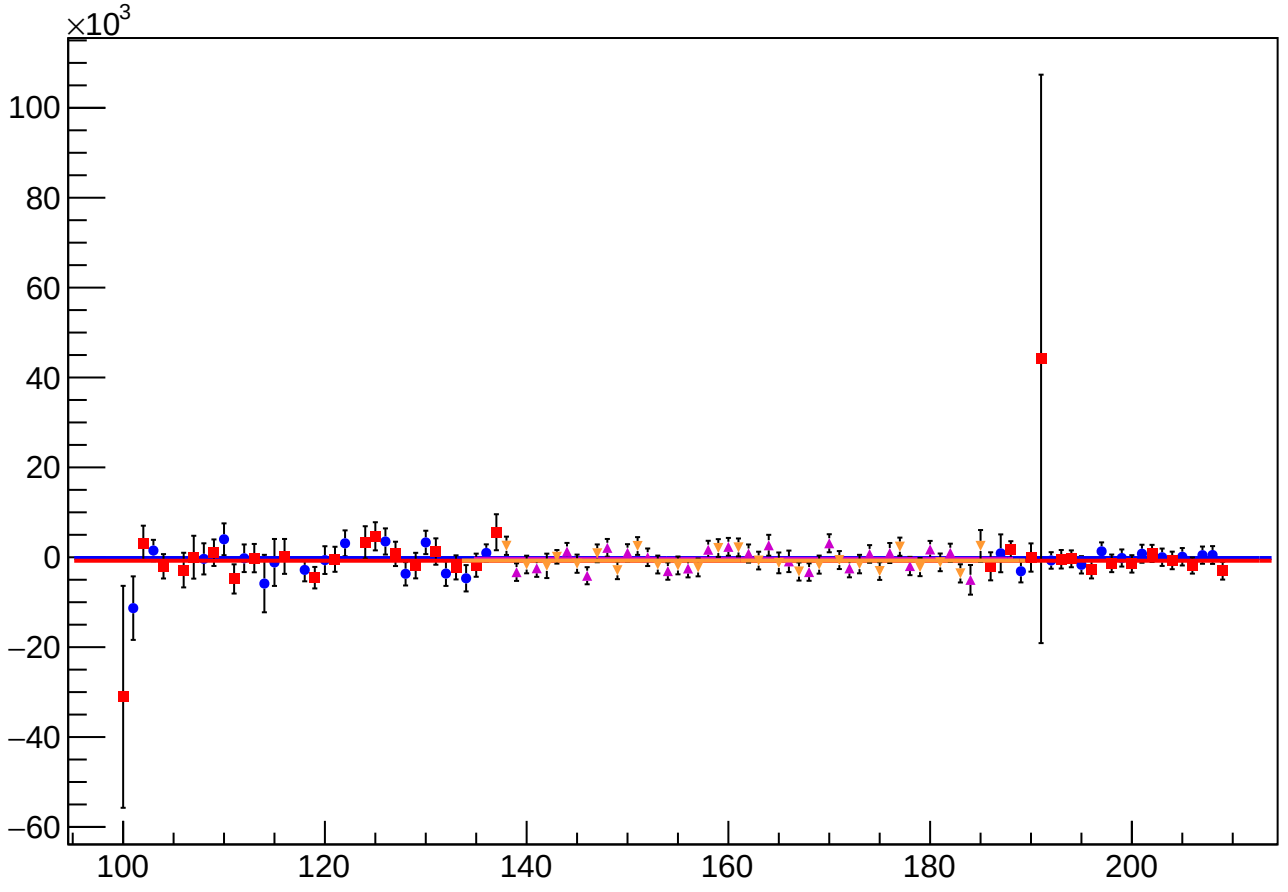
Left: 425.918+/-0.050 χ^2/NDF: 2133577.1/47

Right: 719.088+/-0.095 χ^2/NDF: 7707446.7/58

In: 486.388+/-0.062 χ^2/NDF:6818005.3/49

Out: 492.798+/-0.063 χ^2/NDF:10526860.4/56

All: 489.581+/-0.044 χ^2/NDF: 17350143.5/10



Right In: -166.271+/-472.971 χ^2/NDF: 20.3/26

Left Out: -724.528+/-404.417 χ^2/NDF:22.2/24

Right Out: -769.492+/-457.724 χ^2/NDF: 21.6/31

Left In: -341.223+/-422.858 χ^2/NDF:29.6/22

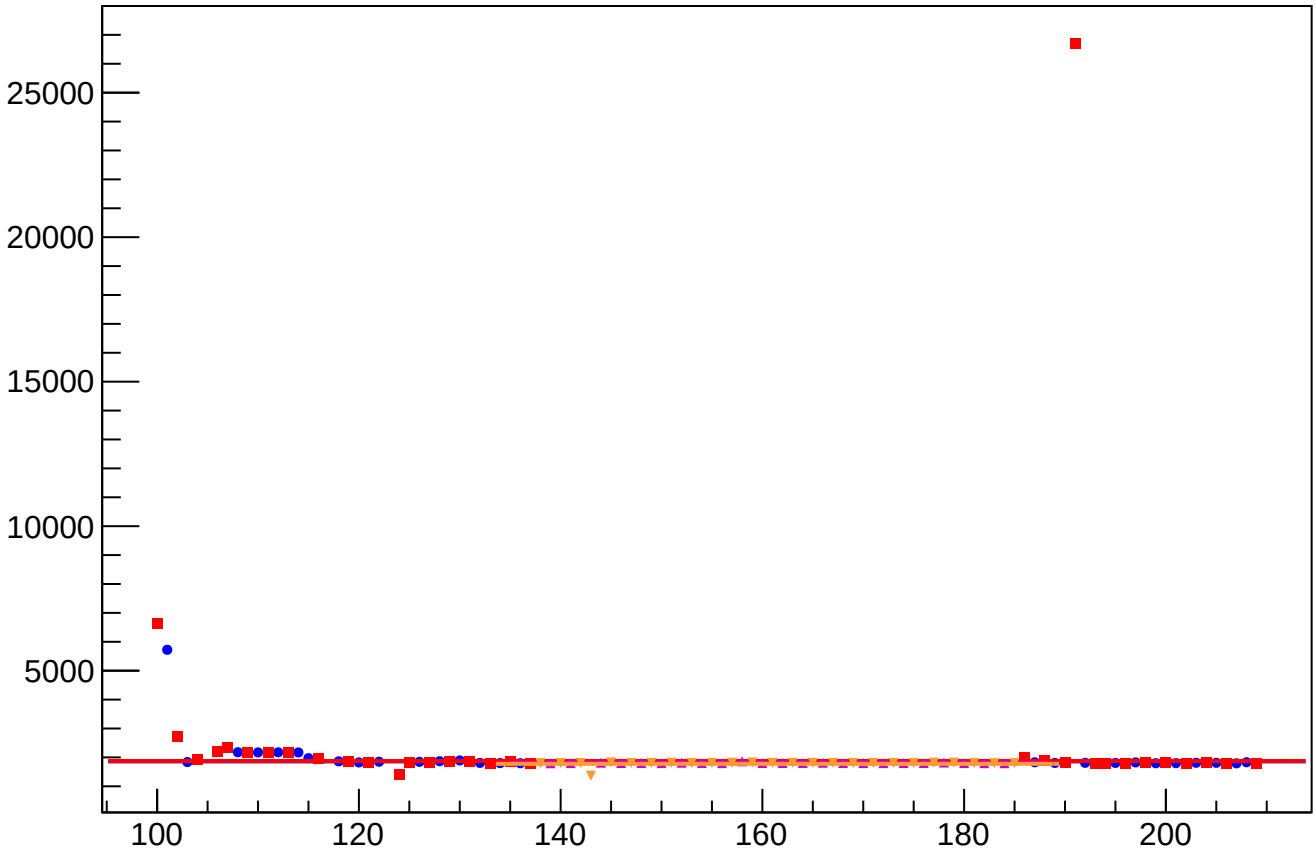
Left: -541.415+/-292.268 χ^2/NDF: 52.3/47

Right: -477.761+/-328.918 χ^2/NDF: 42.7/58

In: -263.503+/-315.239 χ^2/NDF:50.0/49

Out: -744.240+/-303.069 χ^2/NDF:43.8/56

All: -513.331+/-218.478 χ^2/NDF: 95.0/106



Right In: 1862.645+/-0.334 χ^2/NDF: 674304.5/26

Left Out: 1776.721+/-0.286 χ^2/NDF:161294.8/24

Right Out: 1873.255+/-0.324 χ^2/NDF: 632504.1/31

Left In: 1811.084+/-0.299 χ^2/NDF:1965.1/22

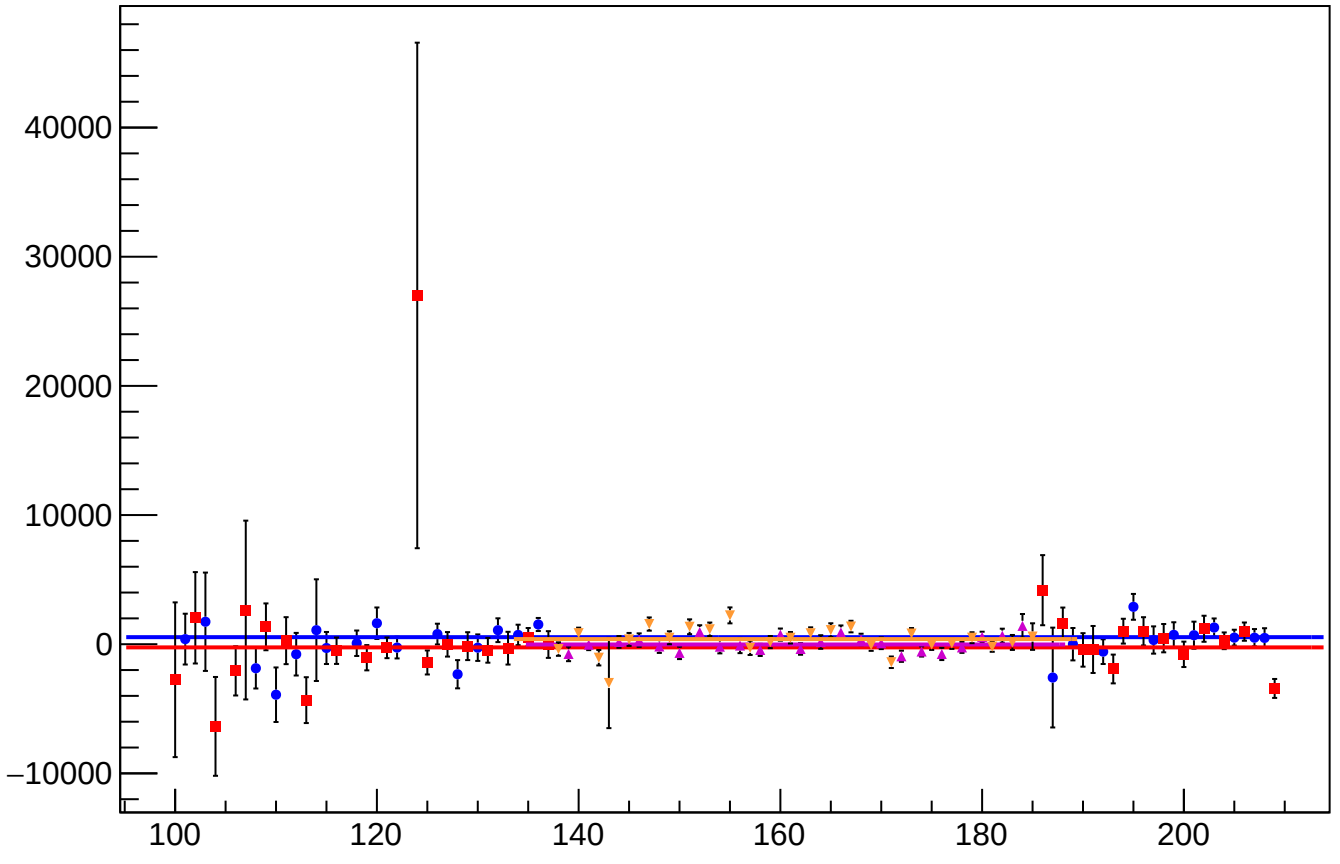
Left: 1793.137+/-0.207 χ^2/NDF: 170157.7/47

Right: 1868.124+/-0.233 χ^2/NDF: 1307328.3/58

In: 1833.989+/-0.223 χ^2/NDF:689479.5/49

Out: 1819.042+/-0.214 χ^2/NDF:843756.8/56

All: 1826.221+/-0.154 χ^2/NDF: 1535572.8/10



Right In: 546.052+/-184.123 χ^2/NDF: 30.7/26

Left Out: 398.268+/-99.165 χ^2/NDF:60.5/24

Right Out: -246.081+/-194.981 χ^2/NDF: 51.4/31

Left In: -21.452+/-100.264 χ^2/NDF:30.8/22

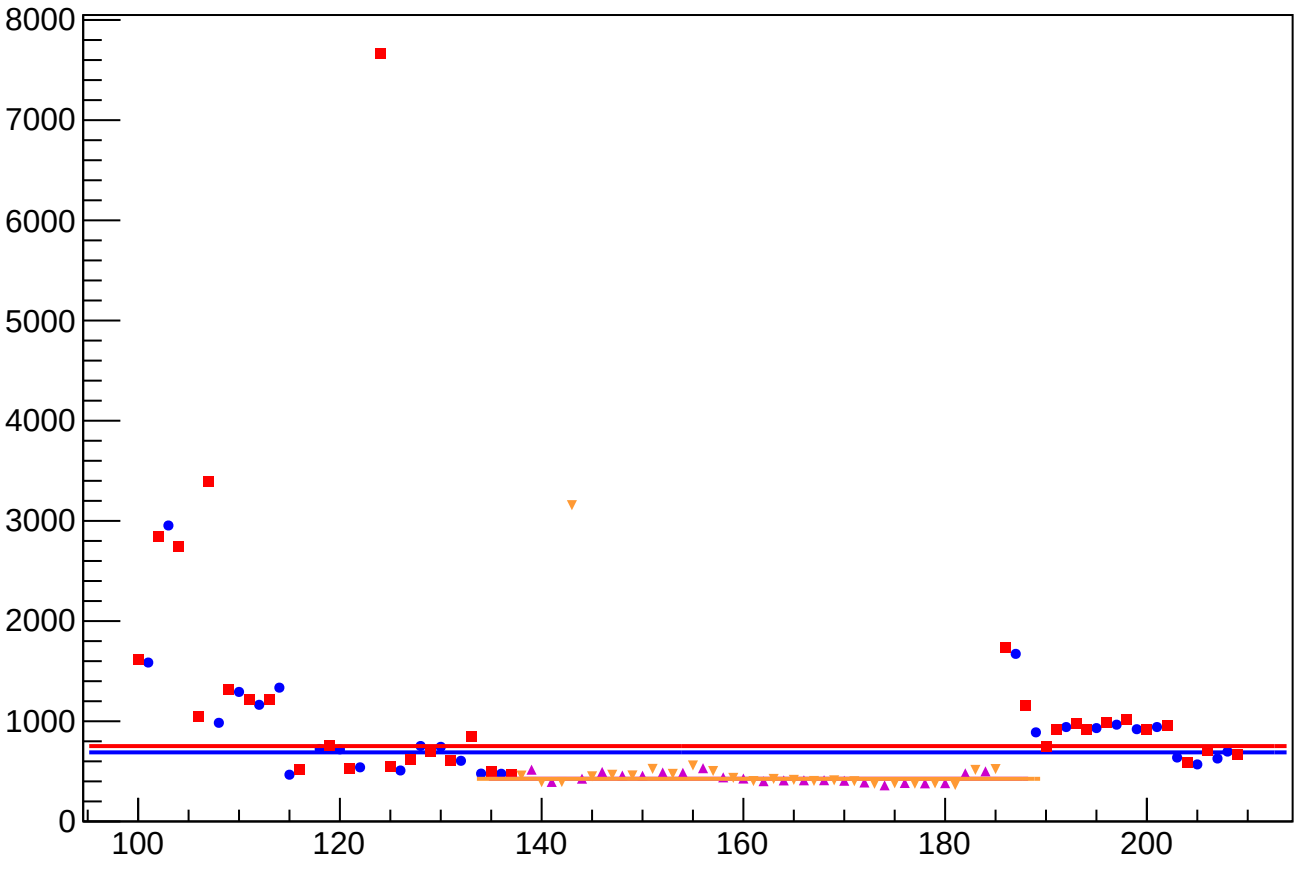
Left: 190.722+/-70.506 χ^2/NDF: 100.2/47

Right: 172.654+/-133.869 χ^2/NDF: 90.8/58

In: 108.343+/-88.055 χ^2/NDF:68.9/49

Out: 265.851+/-88.390 χ^2/NDF:120.6/56

All: 186.798+/-62.382 χ^2/NDF: 191.0/106



Right In: 689.549+/-0.130 χ^2/NDF: 3245573.9/26

Left Out: 425.696+/-0.070 χ^2/NDF:1718147.9/24

Right Out: 752.214+/-0.138 χ^2/NDF: 4352671.6/31

Left In: 426.144+/-0.071 χ^2/NDF:415415.2/22

Left: 425.918+/-0.050 χ^2/NDF: 2133583.2/47

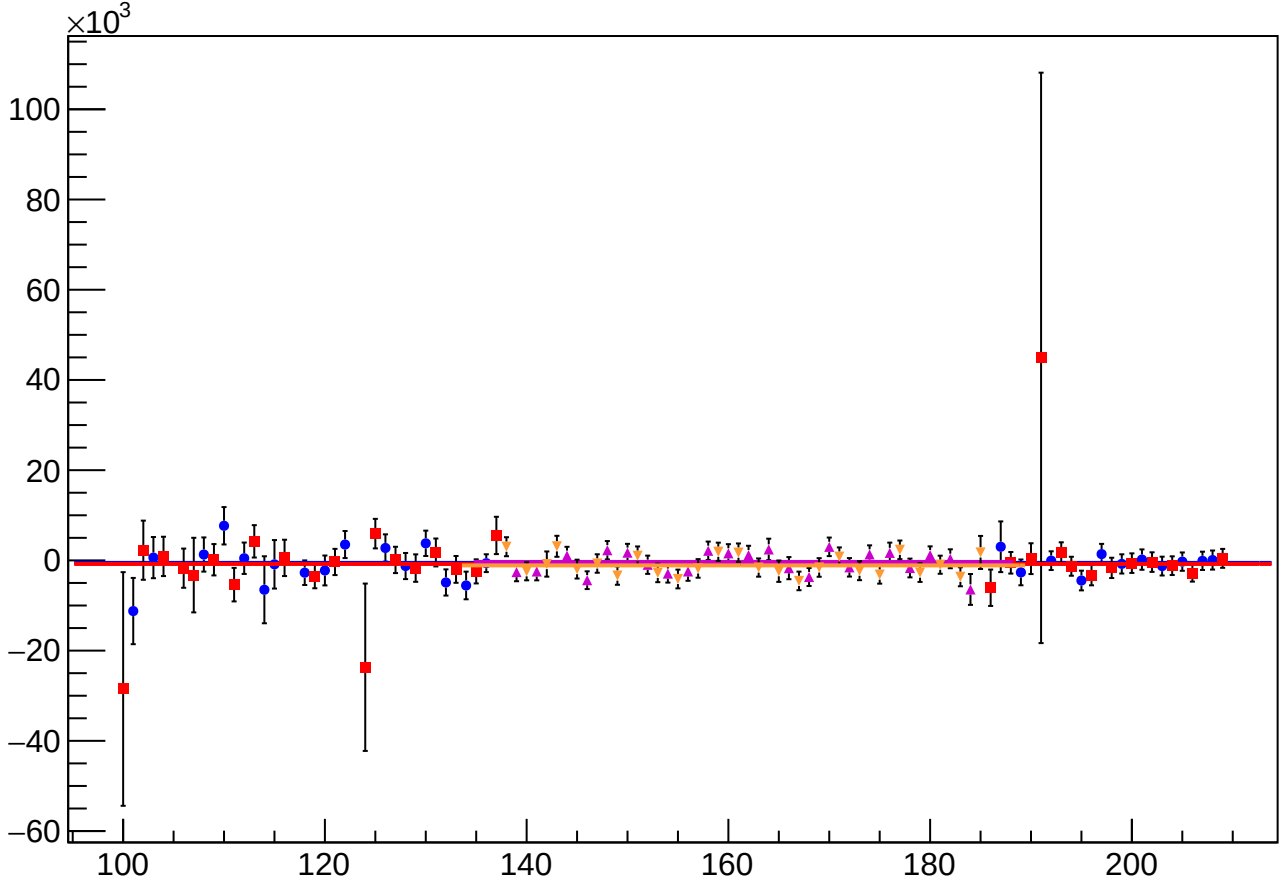
Right: 719.088+/-0.095 χ^2/NDF: 7707447.4/58

In: 486.388+/-0.062 χ^2/NDF:6818016.9/49

Out: 492.797+/-0.063 χ^2/NDF:10526877.1/56

All: 489.581+/-0.044 χ^2/NDF: 17350171.6/10

asym_at1_dd_mean vs Slug, Sign Corrected



Right In: -555.564+/-523.337 χ^2/NDF: 23.7/26

Left Out: -1105.791+/-424.648 χ^2/NDF:28.0/24

Right Out: -788.486+/-517.922 χ^2/NDF: 22.4/31

Left In: -346.936+/-434.947 χ^2/NDF:28.8/22

Left: -735.454+/-303.847 χ^2/NDF: 58.3/47

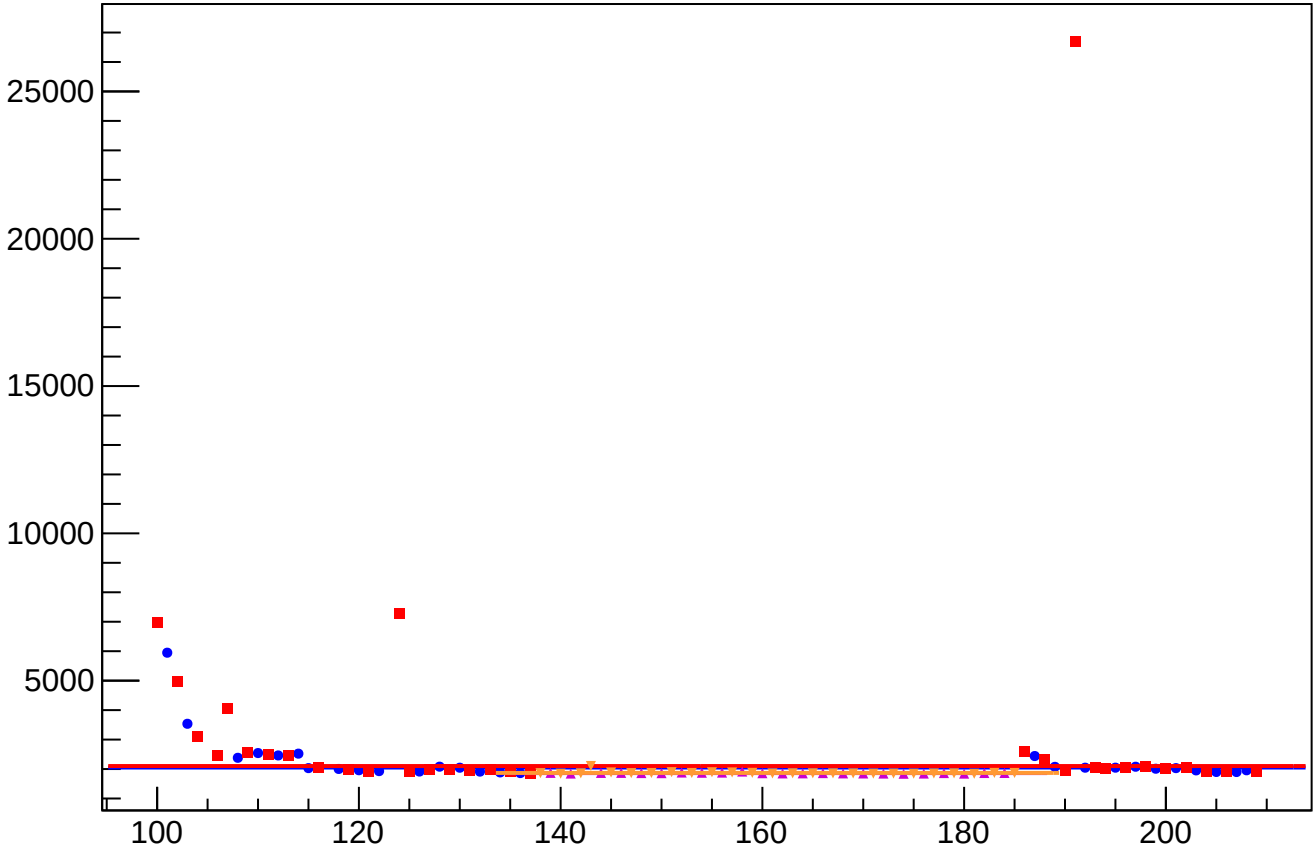
Right: -673.236+/-368.126 χ^2/NDF: 46.2/58

In: -432.169+/-334.502 χ^2/NDF:52.6/49

Out: -978.234+/-328.382 χ^2/NDF:50.6/56

All: -710.243+/-234.335 χ^2/NDF: 104.5/106

asym_at1_dd_rms vs Slug, Sign Corrected



Right In: 2051.940+/-0.370 χ^2/NDF: 933880.2/26

Left Out: 1868.941+/-0.300 χ^2/NDF:23314.7/24

Right Out: 2101.440+/-0.366 χ^2/NDF: 1378621.8/31

Left In: 1862.828+/-0.308 χ^2/NDF:2714.5/22

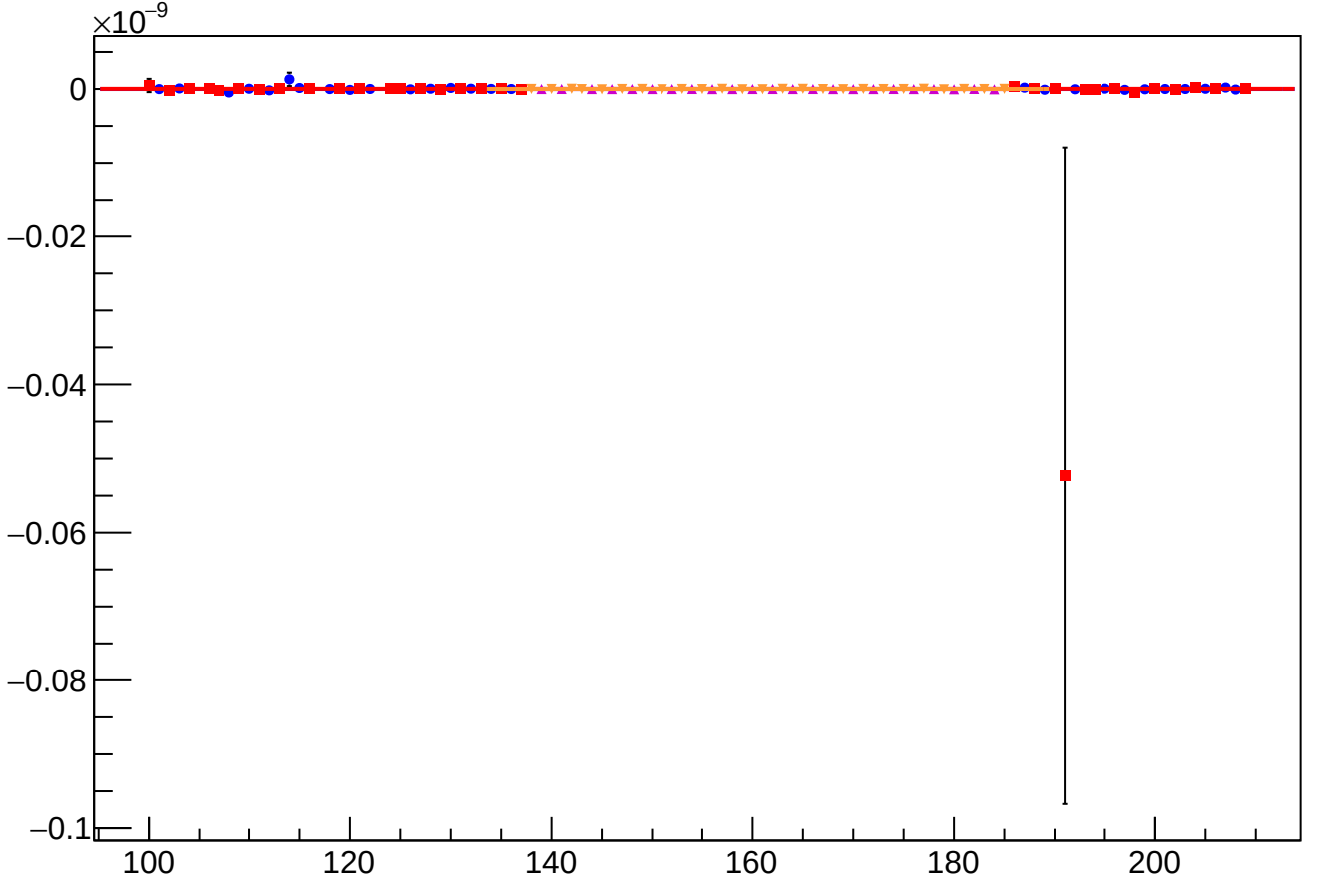
Left: 1865.958+/-0.215 χ^2/NDF: 26231.5/47

Right: 2076.947+/-0.260 χ^2/NDF: 2321541.7/58

In: 1940.088+/-0.237 χ^2/NDF:1091058.8/49

Out: 1962.406+/-0.232 χ^2/NDF:1642952.1/56

All: 1951.453+/-0.166 χ^2/NDF: 2738544.9/10



Right In: 0.000+/-0.000 χ^2/NDF: 26.9/26

Left Out: 0.000+/-0.000 χ^2/NDF:42.1/24

Right Out: 0.000+/-0.000 χ^2/NDF: 32.0/31

Left In: -0.000+/-0.000 χ^2/NDF:17.3/22

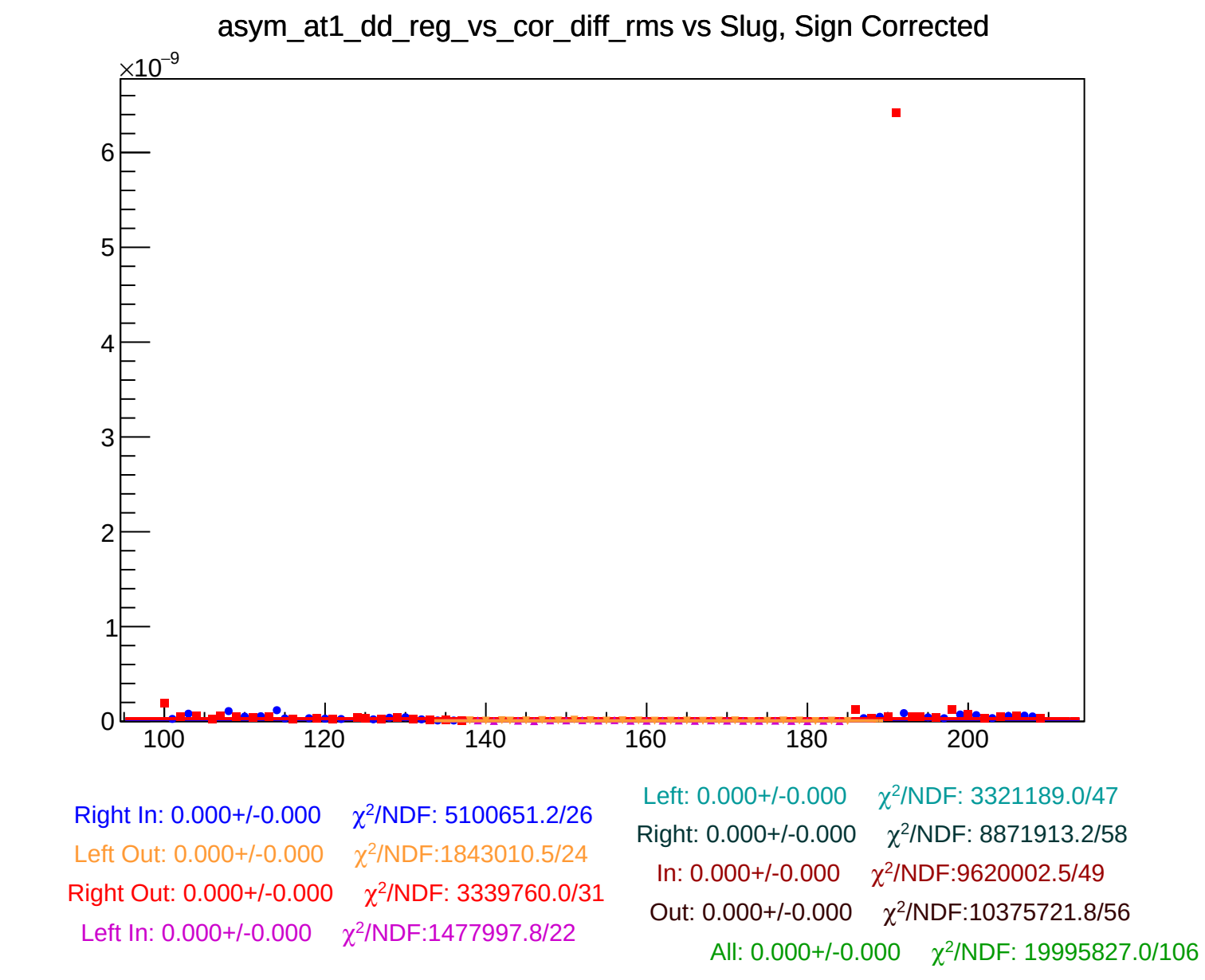
Left: -0.000+/-0.000 χ^2/NDF: 61.0/47

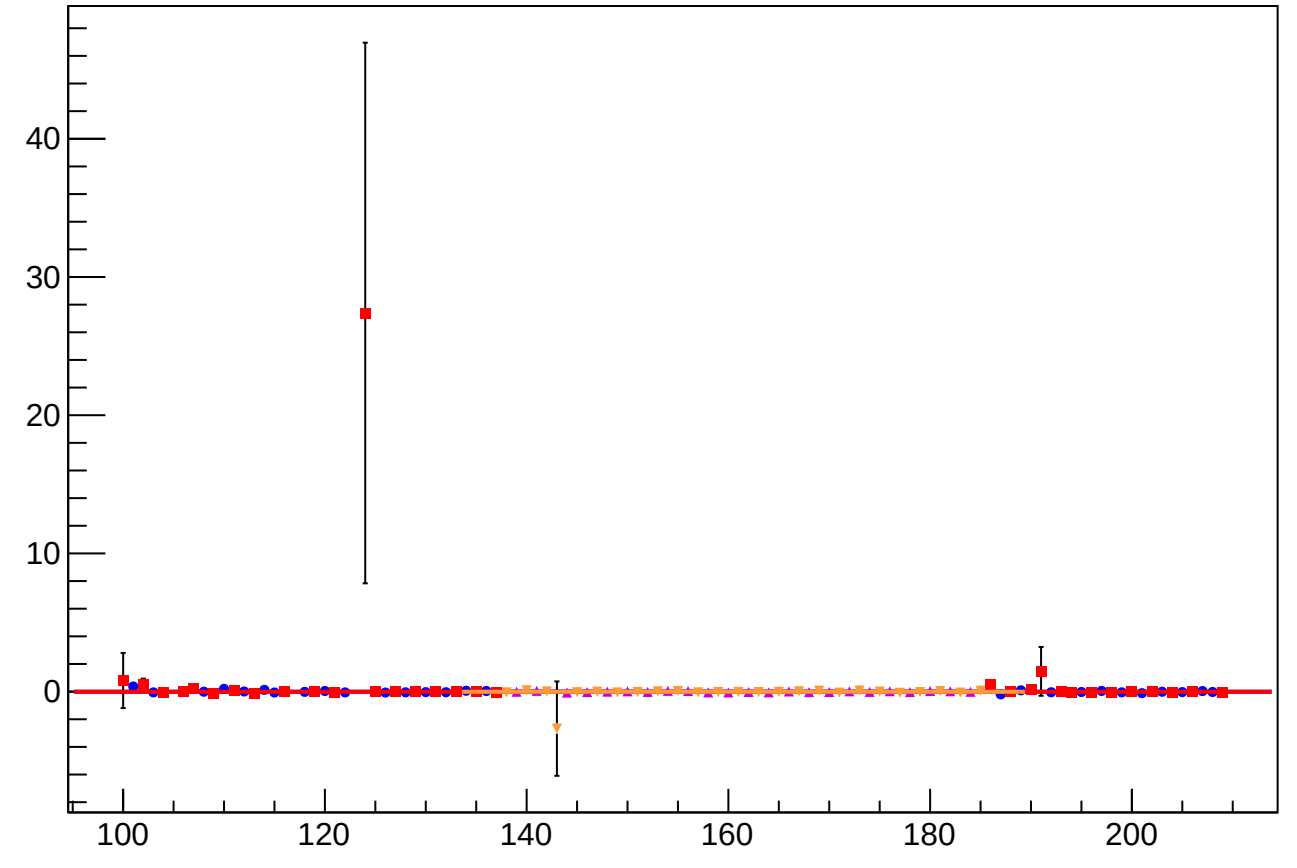
Right: 0.000+/-0.000 χ^2/NDF: 60.2/58

In: -0.000+/-0.000 χ^2/NDF:44.4/49

Out: 0.000+/-0.000 χ^2/NDF:76.2/56

All: -0.000+/-0.000 χ^2/NDF: 122.6/106


asym_at1_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
Right In: 0.000+/-0.000 χ²/NDF: 5100651.2/26
Left Out: 0.000+/-0.000 χ²/NDF:1843010.5/24
Right Out: 0.000+/-0.000 χ²/NDF: 3339760.0/31
Left In: 0.000+/-0.000 χ²/NDF:1477997.8/22
Left: 0.000+/-0.000 χ²/NDF: 3321189.0/47
Right: 0.000+/-0.000 χ²/NDF: 8871913.2/58
In: 0.000+/-0.000 χ²/NDF:9620002.5/49
Out: 0.000+/-0.000 χ²/NDF:10375721.8/56
All: 0.000+/-0.000 χ²/NDF: 19995827.0/106



Right In: -0.007+/-0.012 χ^2/NDF: 28.5/26

Left Out: -0.010+/-0.008 χ^2/NDF:39.5/24

Right Out: -0.010+/-0.012 χ^2/NDF: 27.6/31

Left In: -0.004+/-0.008 χ^2/NDF:20.8/22

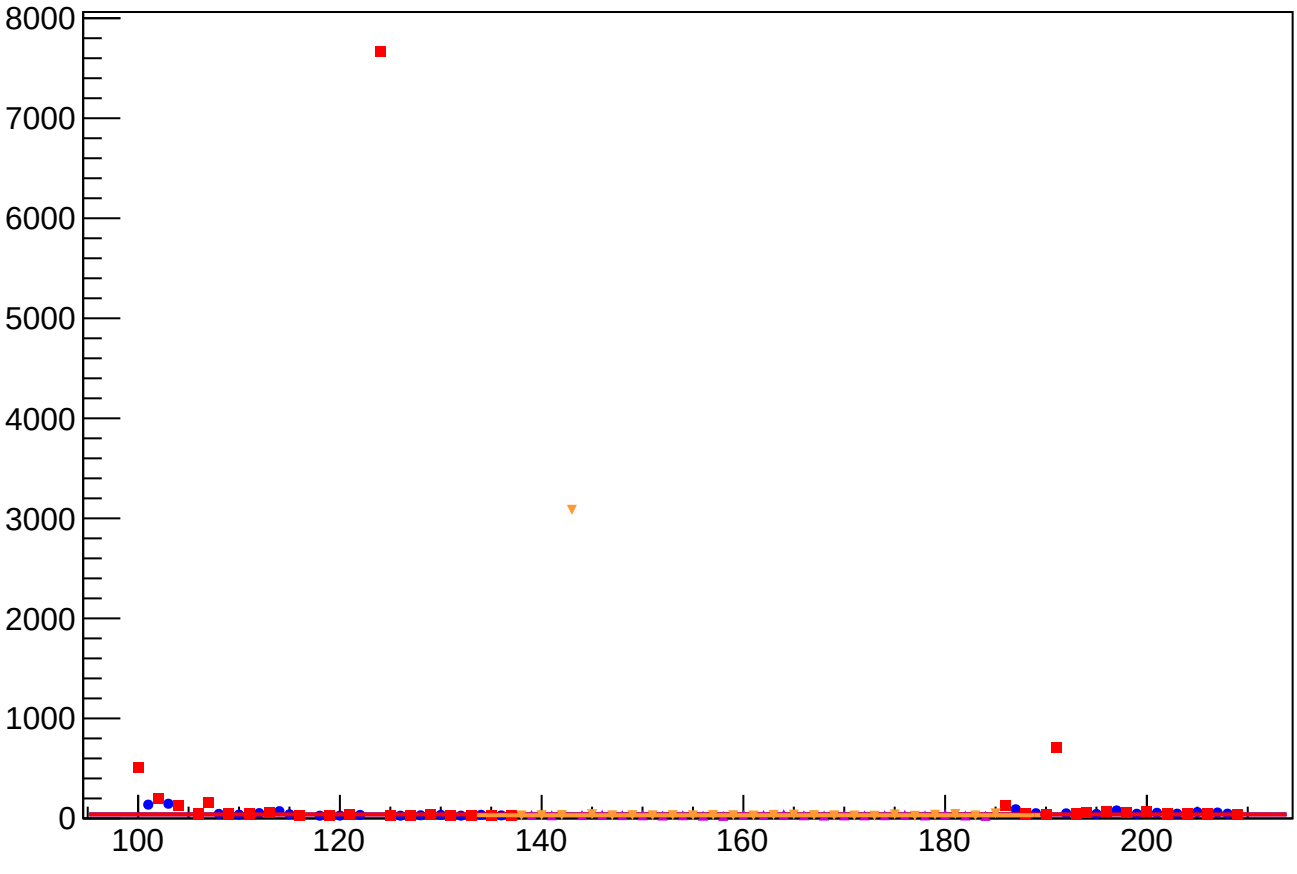
Left: -0.007+/-0.006 χ^2/NDF: 60.7/47

Right: -0.009+/-0.008 χ^2/NDF: 56.1/58

In: -0.005+/-0.007 χ^2/NDF:49.4/49

Out: -0.010+/-0.007 χ^2/NDF:67.1/56

All: -0.007+/-0.005 χ^2/NDF: 116.8/106



Right In: 40.760+/-0.008 χ^2/NDF: 3268899.2/26

Left Out: 32.277+/-0.006 χ^2/NDF:2120929.6/24

Right Out: 40.336+/-0.008 χ^2/NDF: 4278583.2/31

Left In: 32.421+/-0.006 χ^2/NDF:426084.8/22

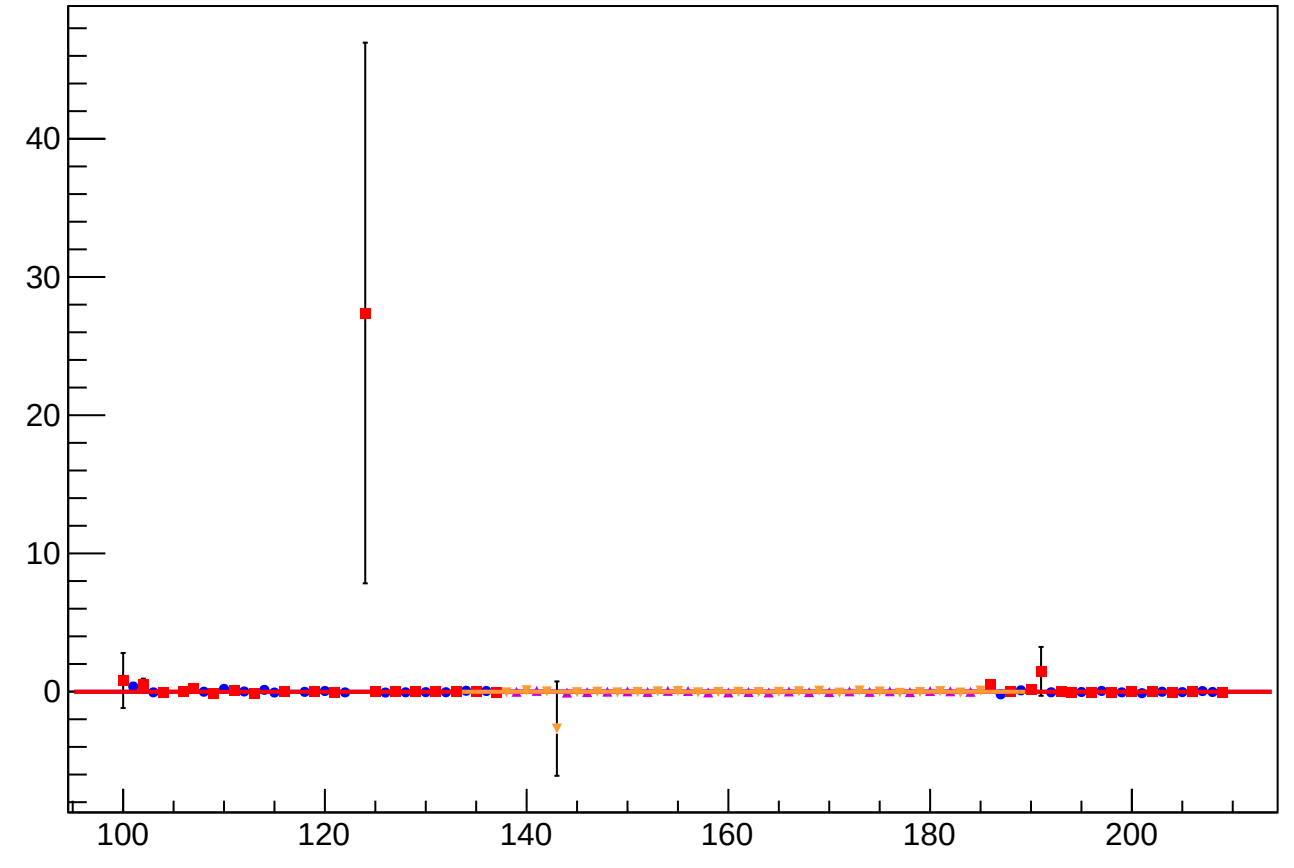
Left: 32.349+/-0.004 χ^2/NDF: 2547318.7/47

Right: 40.544+/-0.006 χ^2/NDF: 7548792.6/58

In: 35.171+/-0.005 χ^2/NDF:4362759.4/49

Out: 34.983+/-0.005 χ^2/NDF:7043098.4/56

All: 35.076+/-0.003 χ^2/NDF: 11406638.6/106



Right In: -0.007+/-0.012 χ^2/NDF: 28.5/26

Left Out: -0.010+/-0.008 χ^2/NDF:39.5/24

Right Out: -0.010+/-0.012 χ^2/NDF: 27.6/31

Left In: -0.004+/-0.008 χ^2/NDF:20.8/22

Left: -0.007+/-0.006 χ^2/NDF: 60.7/47

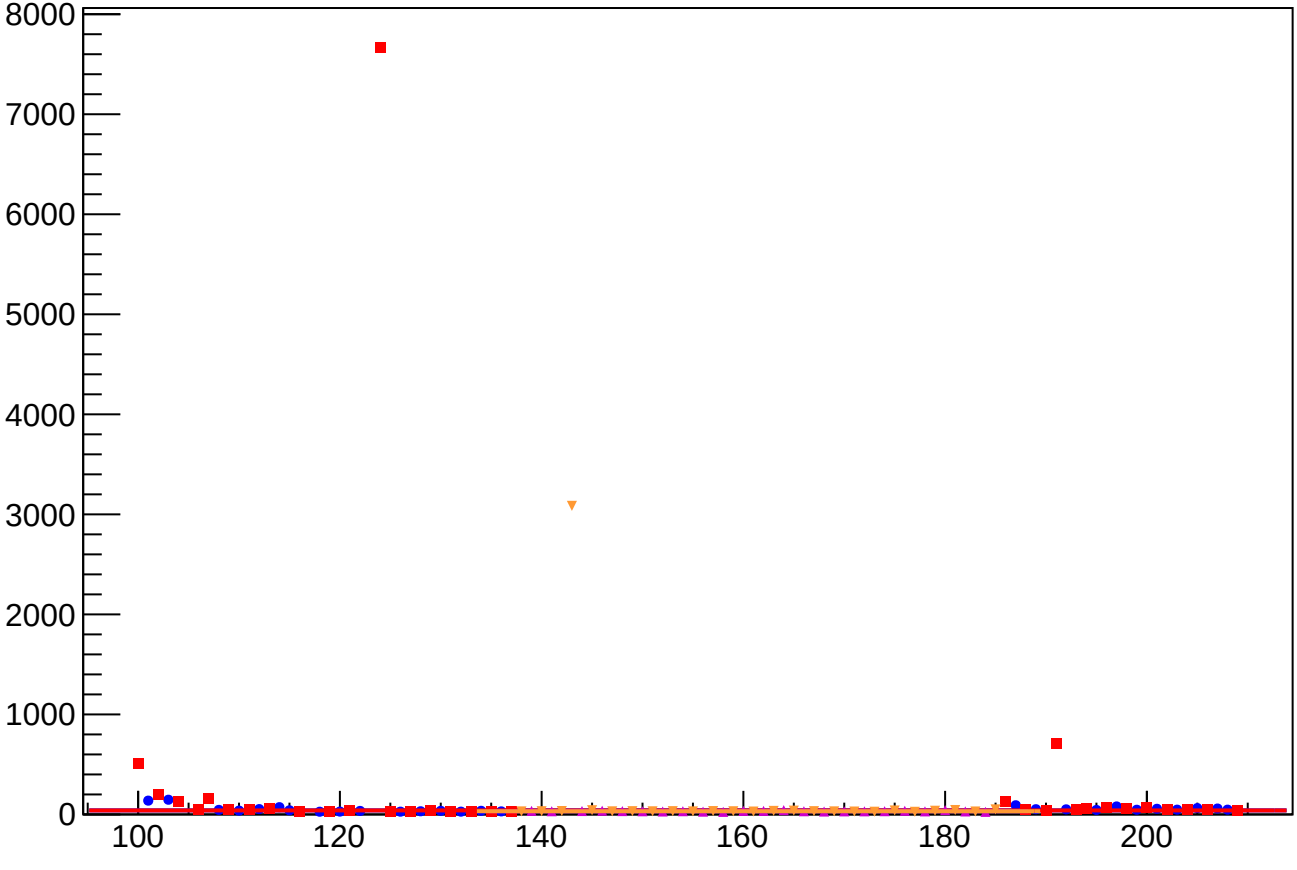
Right: -0.009+/-0.008 χ^2/NDF: 56.1/58

In: -0.005+/-0.007 χ^2/NDF:49.4/49

Out: -0.010+/-0.007 χ^2/NDF:67.1/56

All: -0.007+/-0.005 χ^2/NDF: 116.8/106

asym_at1_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 40.760+/-0.008 χ^2/NDF: 3268899.2/26

Left Out: 32.277+/-0.006 χ^2/NDF:2120929.6/24

Right Out: 40.336+/-0.008 χ^2/NDF: 4278583.2/31

Left In: 32.421+/-0.006 χ^2/NDF:426084.8/22

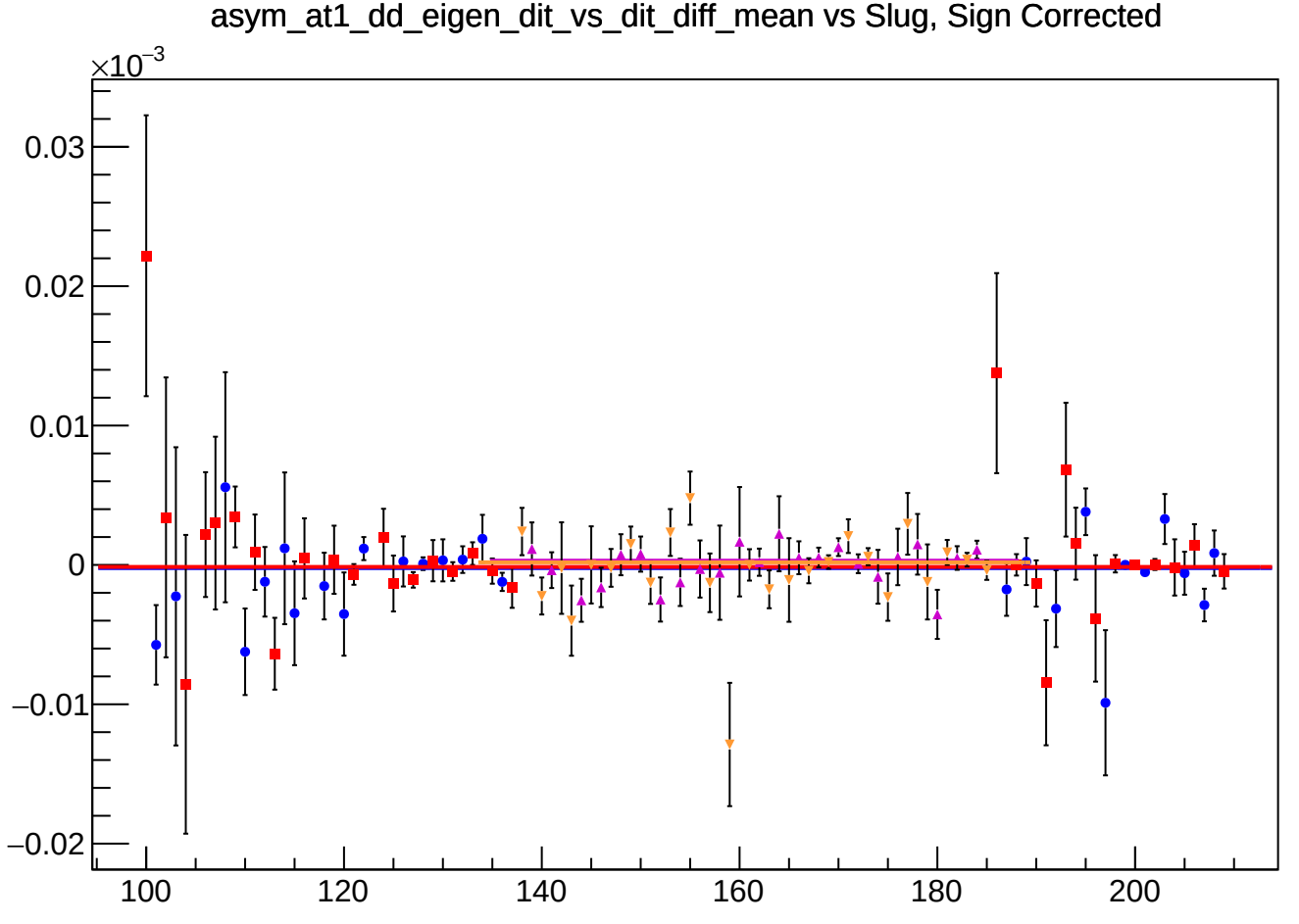
Left: 32.349+/-0.004 χ^2/NDF: 2547318.7/47

Right: 40.544+/-0.006 χ^2/NDF: 7548792.6/58

In: 35.171+/-0.005 χ^2/NDF:4362759.4/49

Out: 34.983+/-0.005 χ^2/NDF:7043098.4/56

All: 35.076+/-0.003 χ^2/NDF: 11406638.6/106



Right In: -0.000+/-0.000 χ^2/NDF: 40.5/26

Left Out: 0.000+/-0.000 χ^2/NDF:37.5/24

Right Out: -0.000+/-0.000 χ^2/NDF: 35.0/31

Left In: 0.000+/-0.000 χ^2/NDF:20.2/22

Left: 0.000+/-0.000 χ^2/NDF: 57.9/47

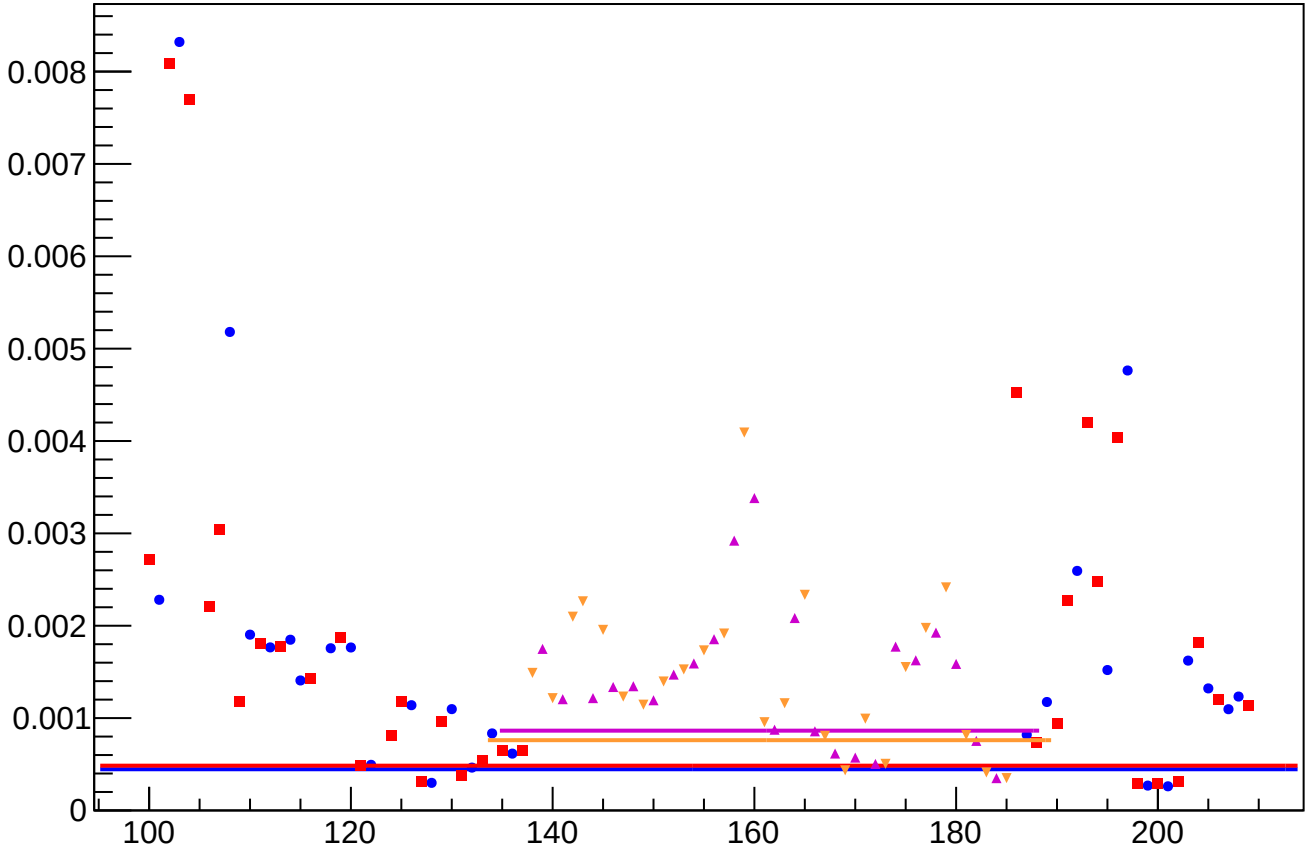
Right: -0.000+/-0.000 χ^2/NDF: 75.7/58

In: -0.000+/-0.000 χ^2/NDF:64.1/49

Out: -0.000+/-0.000 χ^2/NDF:74.0/56

All: -0.000+/-0.000 χ^2/NDF: 138.2/106

asym_at1_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 13965187.3/26

Left Out: 0.001+/-0.000 χ^2/NDF:11085699.1/24

Right Out: 0.000+/-0.000 χ^2/NDF: 13854795.6/31

Left In: 0.001+/-0.000 χ^2/NDF:8440059.8/22

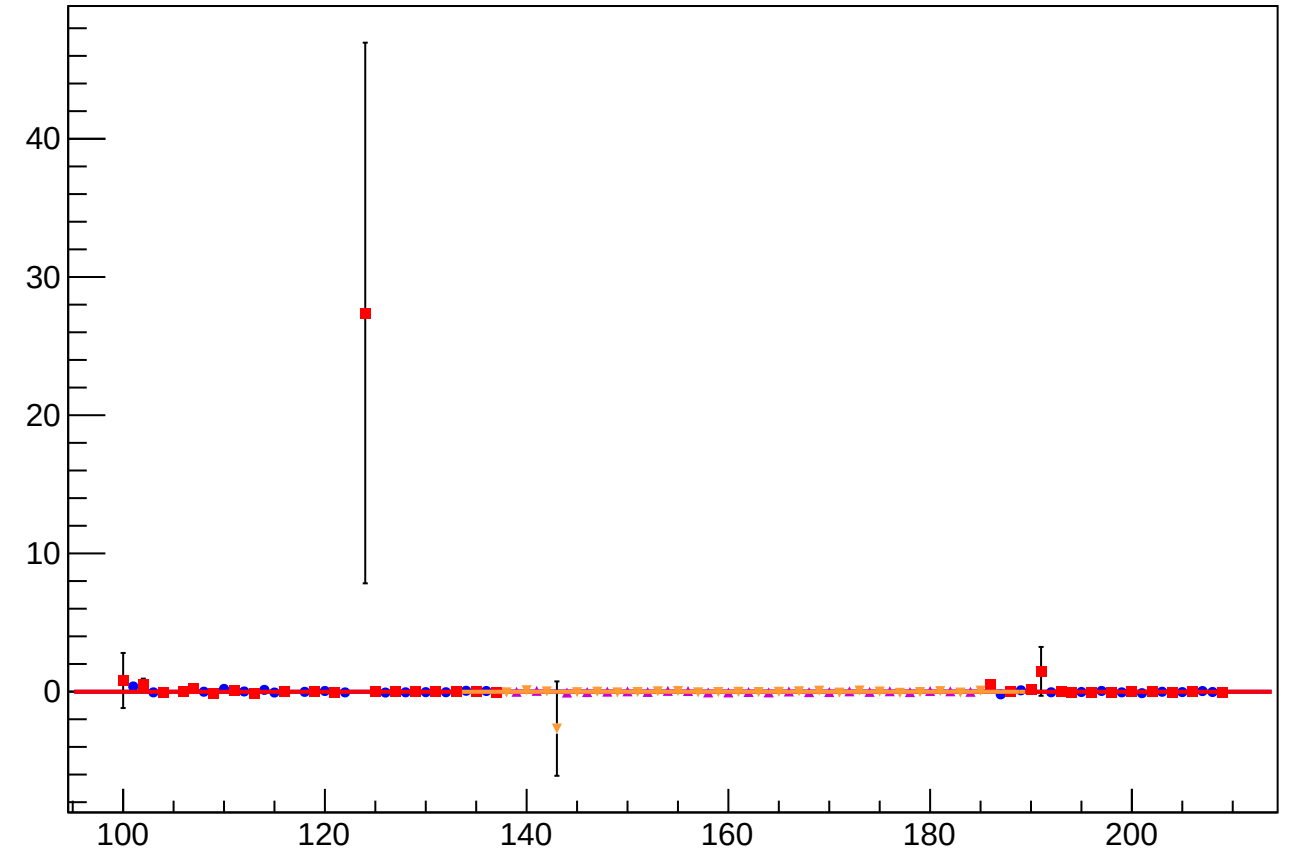
Left: 0.001+/-0.000 χ^2/NDF: 19733433.3/47

Right: 0.000+/-0.000 χ^2/NDF: 27875545.8/58

In: 0.001+/-0.000 χ^2/NDF:26599505.1/49

Out: 0.001+/-0.000 χ^2/NDF:27018977.1/56

All: 0.001+/-0.000 χ^2/NDF: 53631008.7/106



Right In: -0.007+/-0.012 χ^2/NDF: 28.5/26

Left Out: -0.010+/-0.008 χ^2/NDF:39.5/24

Right Out: -0.010+/-0.012 χ^2/NDF: 27.6/31

Left In: -0.004+/-0.008 χ^2/NDF:20.8/22

Left: -0.007+/-0.006 χ^2/NDF: 60.7/47

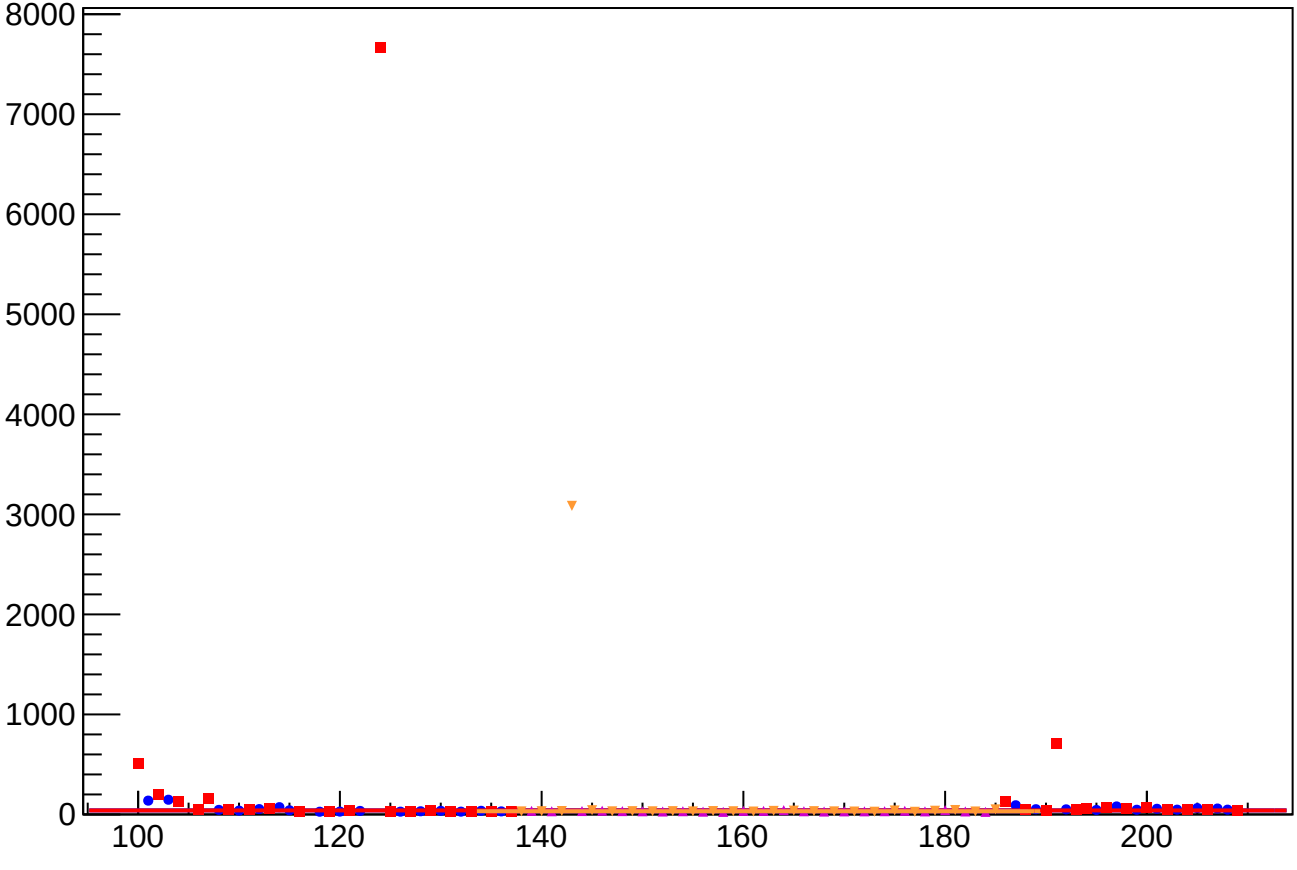
Right: -0.009+/-0.008 χ^2/NDF: 56.1/58

In: -0.005+/-0.007 χ^2/NDF:49.4/49

Out: -0.010+/-0.007 χ^2/NDF:67.1/56

All: -0.007+/-0.005 χ^2/NDF: 116.8/106

asym_at1_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 40.760+/-0.008 χ^2/NDF: 3268892.0/26

Left Out: 32.277+/-0.006 χ^2/NDF:2120971.9/24

Right Out: 40.336+/-0.008 χ^2/NDF: 4278602.4/31

Left In: 32.422+/-0.006 χ^2/NDF:426001.5/22

Left: 32.349+/-0.004 χ^2/NDF: 2547279.1/47

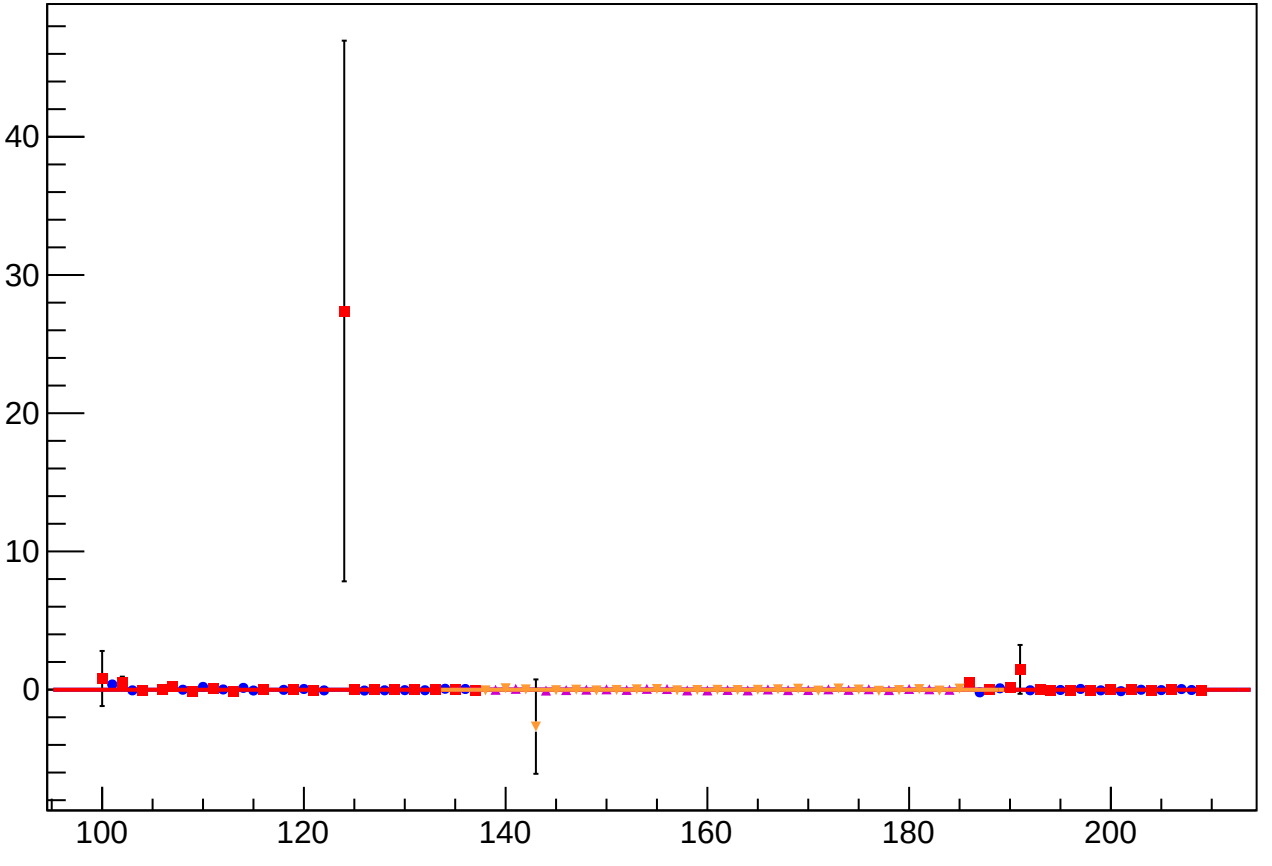
Right: 40.544+/-0.006 χ^2/NDF: 7548804.5/58

In: 35.172+/-0.005 χ^2/NDF:4362629.0/49

Out: 34.983+/-0.005 χ^2/NDF:7043178.4/56

All: 35.076+/-0.003 χ^2/NDF: 11406590.1/106

asym_at1_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.007+/-0.012 χ^2/NDF: 28.5/26

Left Out: -0.010+/-0.008 χ^2/NDF:39.5/24

Right Out: -0.010+/-0.012 χ^2/NDF: 27.6/31

Left In: -0.004+/-0.008 χ^2/NDF:20.8/22

Left: -0.007+/-0.006 χ^2/NDF: 60.7/47

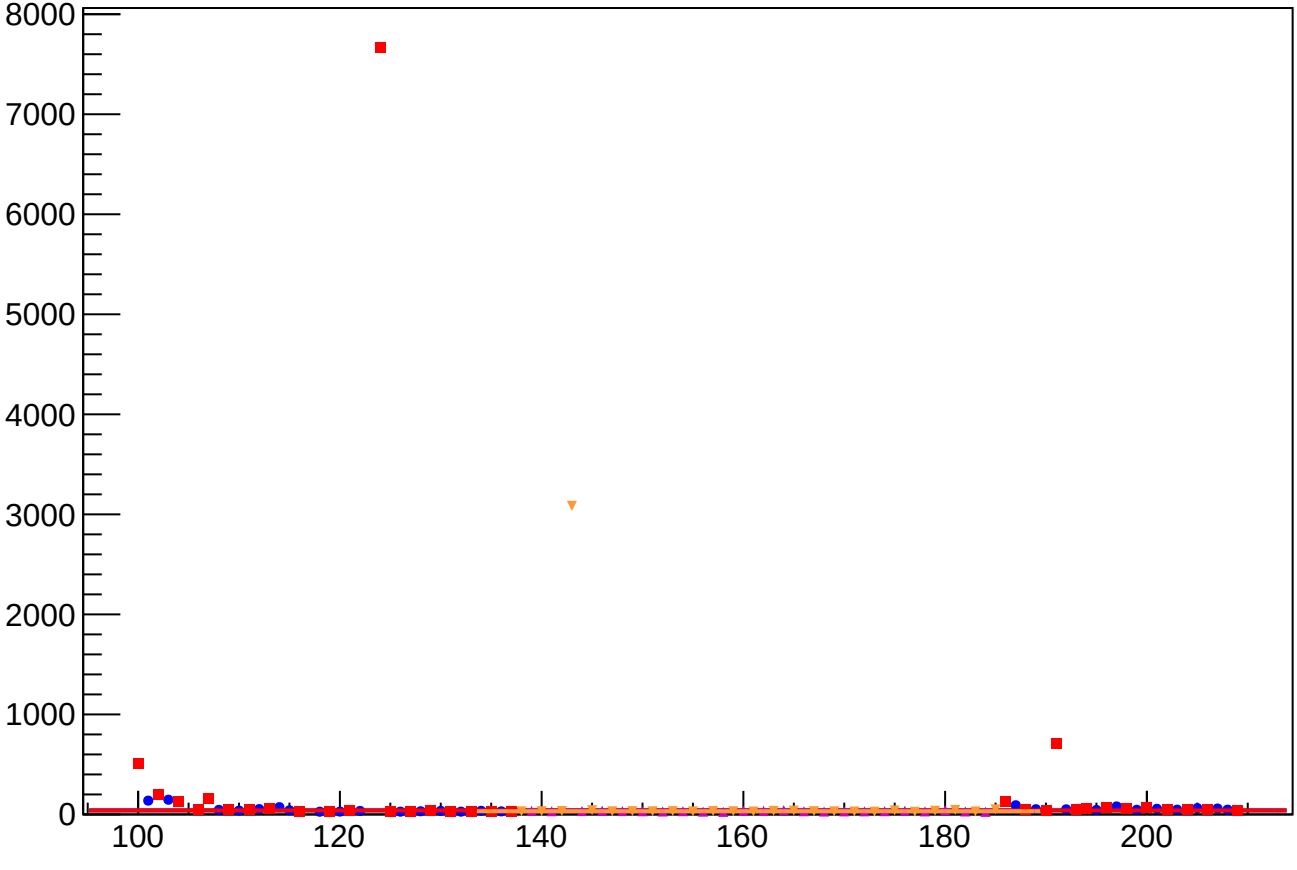
Right: -0.009+/-0.008 χ^2/NDF: 56.1/58

In: -0.005+/-0.007 χ^2/NDF:49.4/49

Out: -0.010+/-0.007 χ^2/NDF:67.1/56

All: -0.007+/-0.005 χ^2/NDF: 116.8/106

asym_at1_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 40.760+/-0.008 χ^2/NDF: 3268892.0/26

Left Out: 32.277+/-0.006 χ^2/NDF:2120971.9/24

Right Out: 40.336+/-0.008 χ^2/NDF: 4278602.4/31

Left In: 32.422+/-0.006 χ^2/NDF:426001.5/22

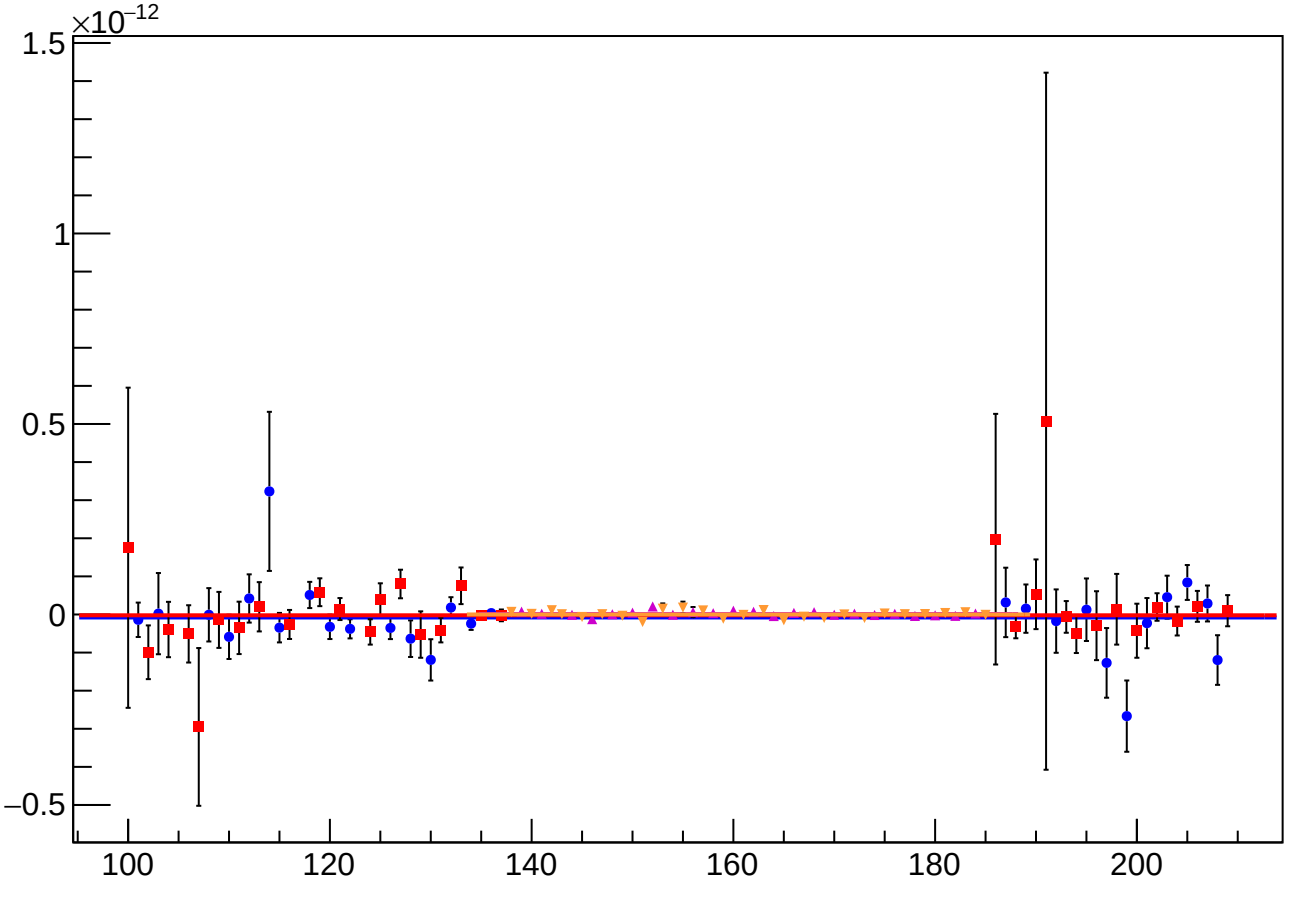
Left: 32.349+/-0.004 χ^2/NDF: 2547279.1/47

Right: 40.544+/-0.006 χ^2/NDF: 7548804.5/58

In: 35.172+/-0.005 χ^2/NDF:4362629.0/49

Out: 34.983+/-0.005 χ^2/NDF:7043178.4/56

All: 35.076+/-0.003 χ^2/NDF: 11406590.1/106



Right In: -0.000+/-0.000 χ^2/NDF: 37.6/26

Left Out: 0.000+/-0.000 χ^2/NDF:21.1/24

Right Out: -0.000+/-0.000 χ^2/NDF: 25.3/31

Left In: 0.000+/-0.000 χ^2/NDF:9.2/22

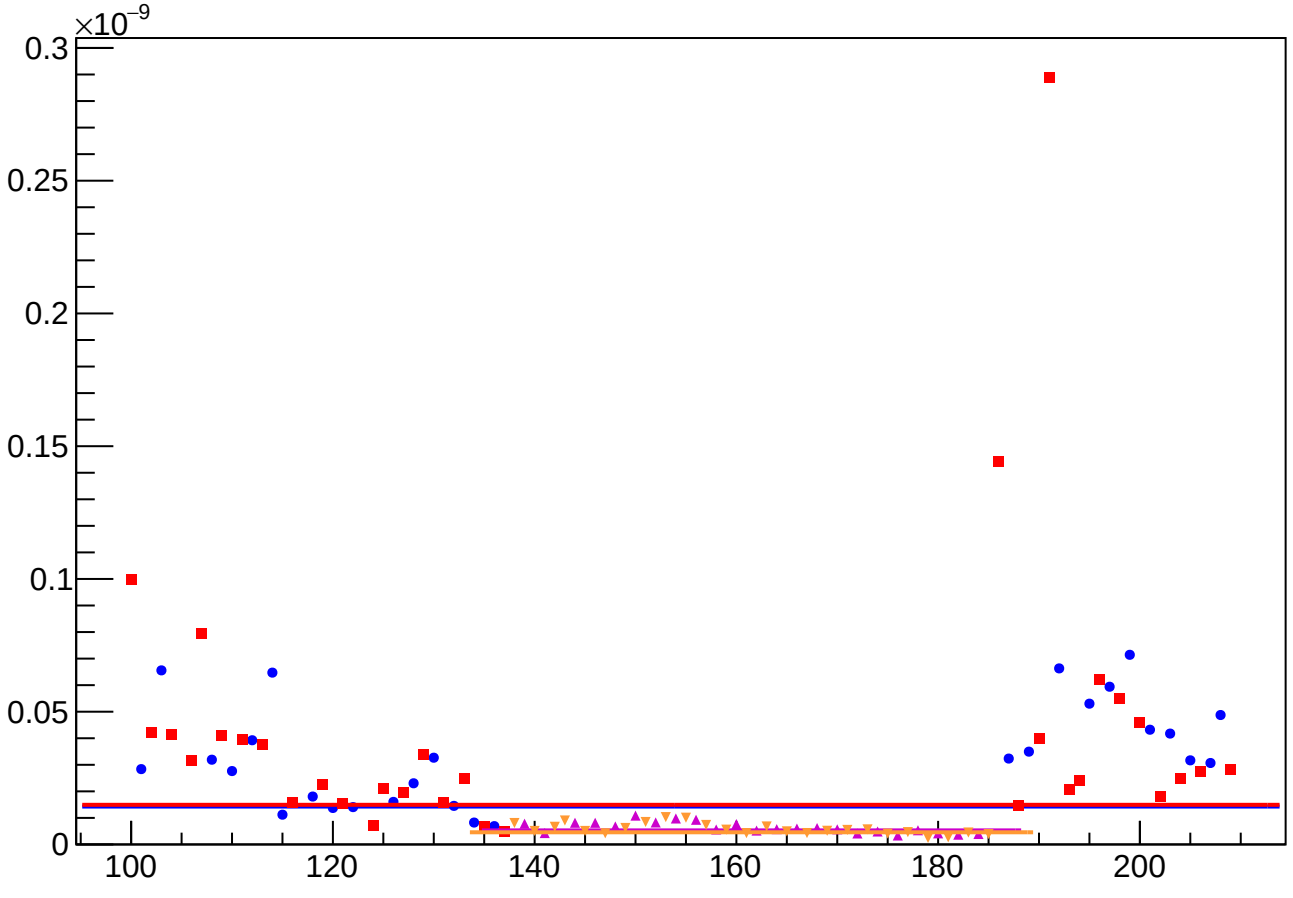
Left: 0.000+/-0.000 χ^2/NDF: 30.5/47

Right: -0.000+/-0.000 χ^2/NDF: 63.3/58

In: 0.000+/-0.000 χ^2/NDF:48.7/49

Out: -0.000+/-0.000 χ^2/NDF:46.5/56

All: 0.000+/-0.000 χ^2/NDF: 95.3/106



Right In: 0.000+/-0.000 χ^2/NDF: 7938905.1/26

Left Out: 0.000+/-0.000 χ^2/NDF:2796753.7/24

Right Out: 0.000+/-0.000 χ^2/NDF: 6638229.0/31

Left In: 0.000+/-0.000 χ^2/NDF:2230717.6/22

Left: 0.000+/-0.000 χ^2/NDF: 5240558.3/47

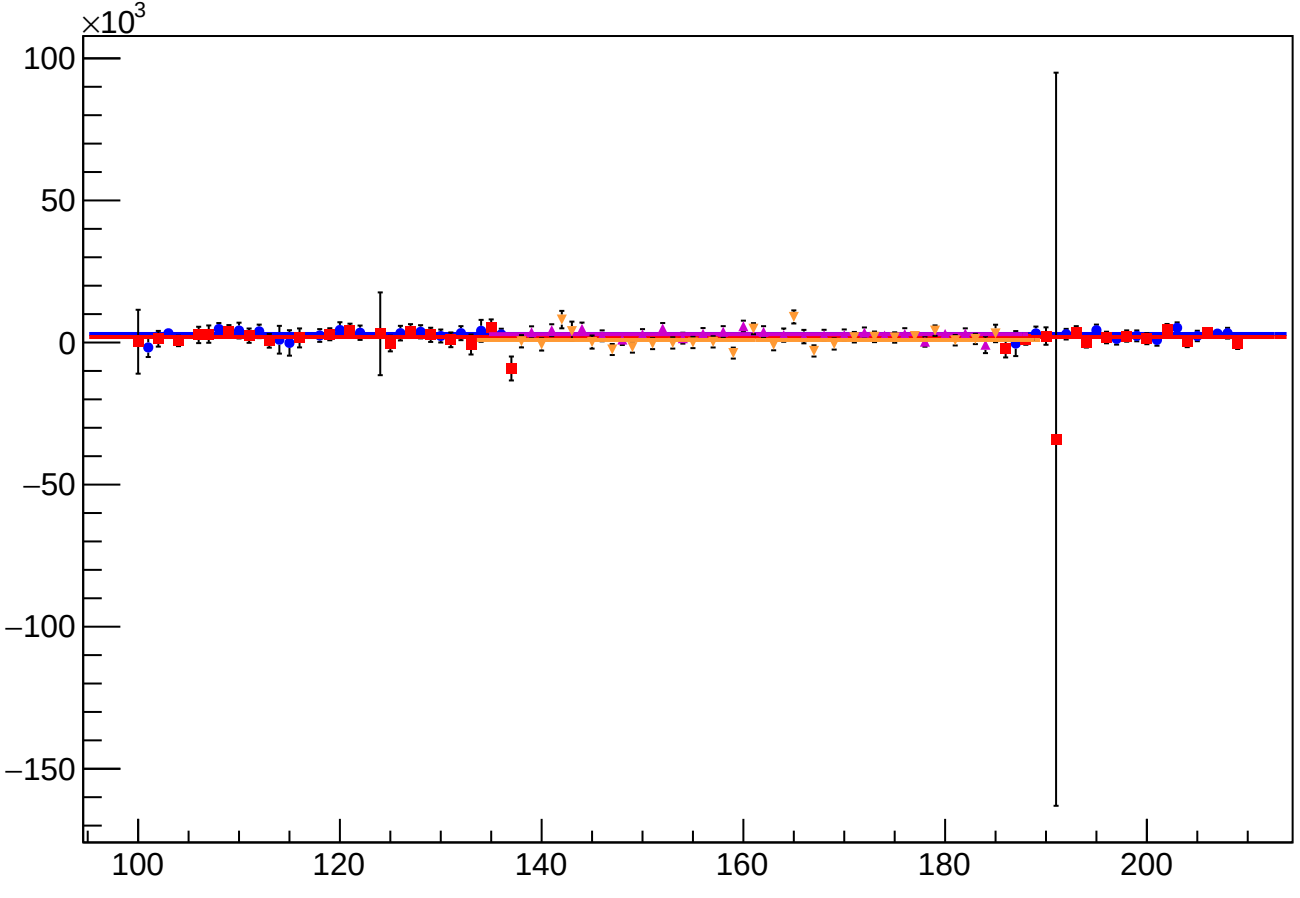
Right: 0.000+/-0.000 χ^2/NDF: 14588089.7/58

In: 0.000+/-0.000 χ^2/NDF:14235229.3/49

Out: 0.000+/-0.000 χ^2/NDF:14395368.0/56

All: 0.000+/-0.000 χ^2/NDF: 28923010.2/106

reg_asym_at2_avg_mean vs Slug, Sign Corrected



Right In: 3007.460+/-435.558 χ^2/NDF: 8.8/26

Left Out: 898.921+/-405.540 χ^2/NDF:45.3/24

Right Out: 1939.720+/-425.801 χ^2/NDF: 23.0/31

Left In: 2943.285+/-412.069 χ^2/NDF:10.6/22

Left: 1904.780+/-289.041 χ^2/NDF: 68.3/47

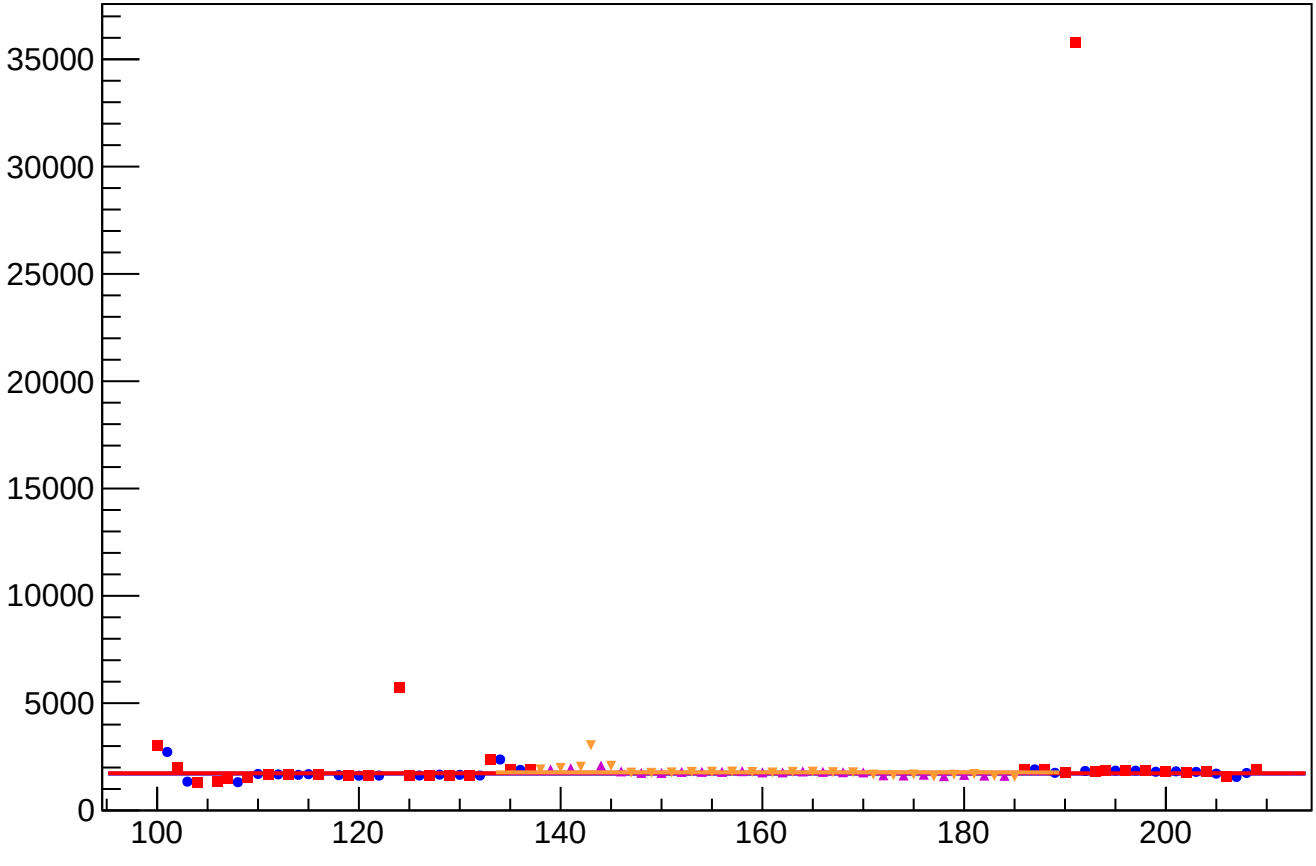
Right: 2461.496+/-304.478 χ^2/NDF: 34.9/58

In: 2973.596+/-299.337 χ^2/NDF:19.4/49

Out: 1393.971+/-293.662 χ^2/NDF:71.4/56

All: 2168.668+/-209.628 χ^2/NDF: 105.0/106

reg_asym_at2_avg_rms vs Slug, Sign Corrected



Right In: 1718.147+/-0.308 χ^2/NDF: 493661.6/26

Left Out: 1774.731+/-0.287 χ^2/NDF:446895.8/24

Right Out: 1732.206+/-0.301 χ^2/NDF: 709272.5/31

Left In: 1761.089+/-0.291 χ^2/NDF:146266.6/22

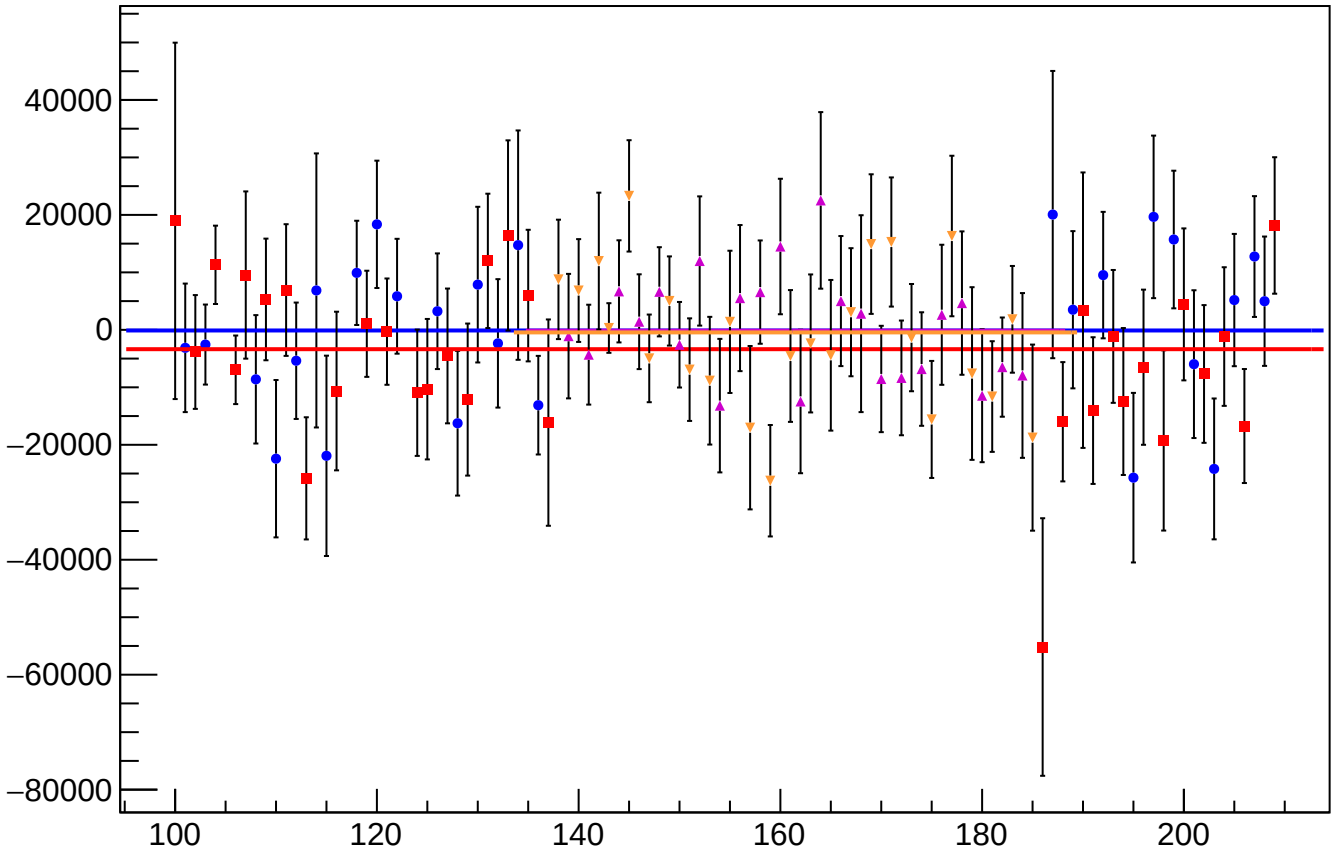
Left: 1768.019+/-0.204 χ^2/NDF: 594275.9/47

Right: 1725.335+/-0.215 χ^2/NDF: 1203999.5/58

In: 1740.807+/-0.212 χ^2/NDF:650186.5/49

Out: 1754.504+/-0.208 χ^2/NDF:1166628.3/56

All: 1747.786+/-0.148 χ^2/NDF: 1818948.7/10



Right In: -108.727+/-2225.874 χ^2/NDF: 28.9/26

Left Out: -443.346+/-1925.604 χ^2/NDF:29.5/24

Right Out: -3364.847+/-2006.091 χ^2/NDF: 33.3/31

Left In: -155.268+/-2143.489 χ^2/NDF:13.8/22

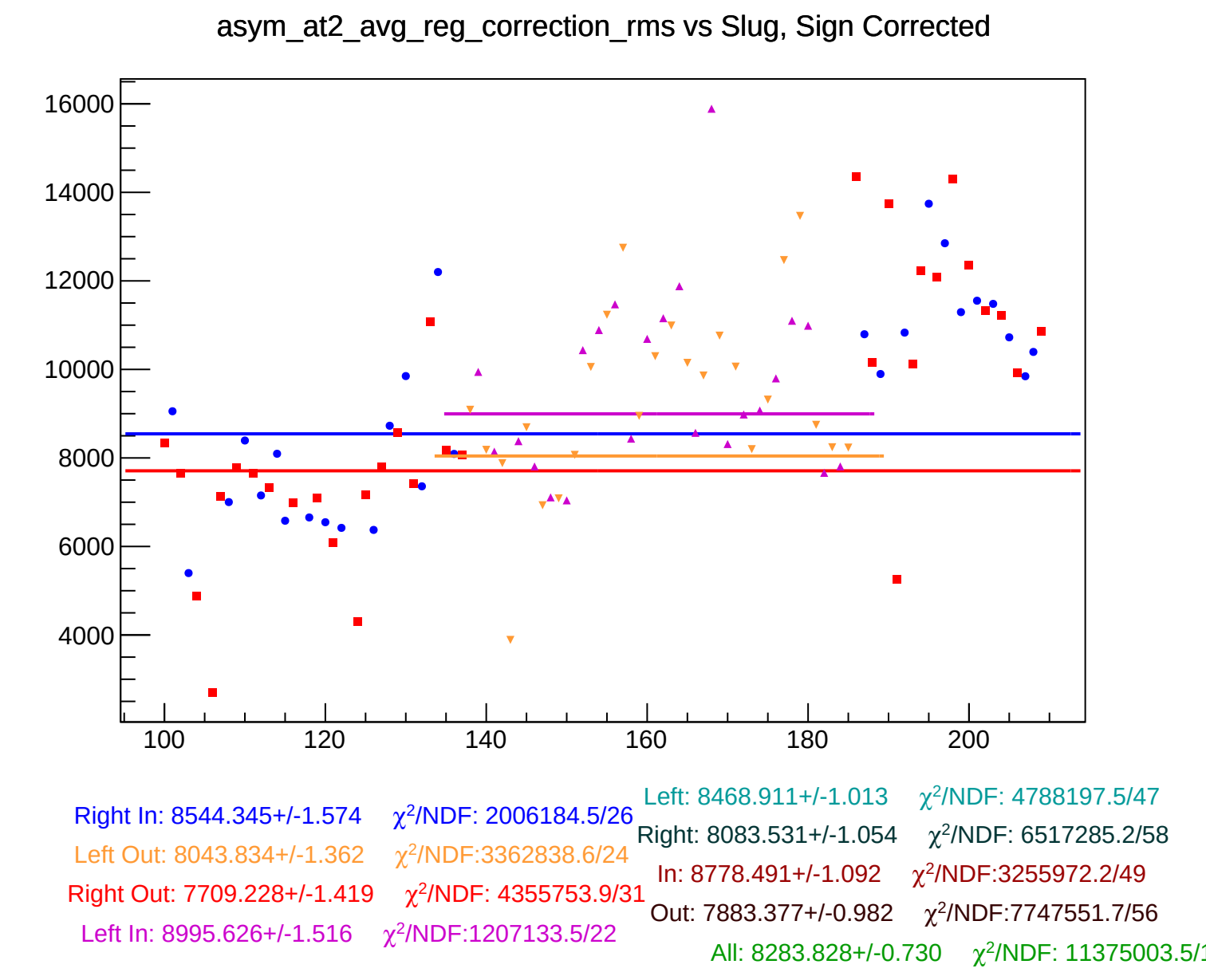
Left: -314.688+/-1432.465 χ^2/NDF: 43.3/47

Right: -1905.436+/-1490.182 χ^2/NDF: 63.4/58

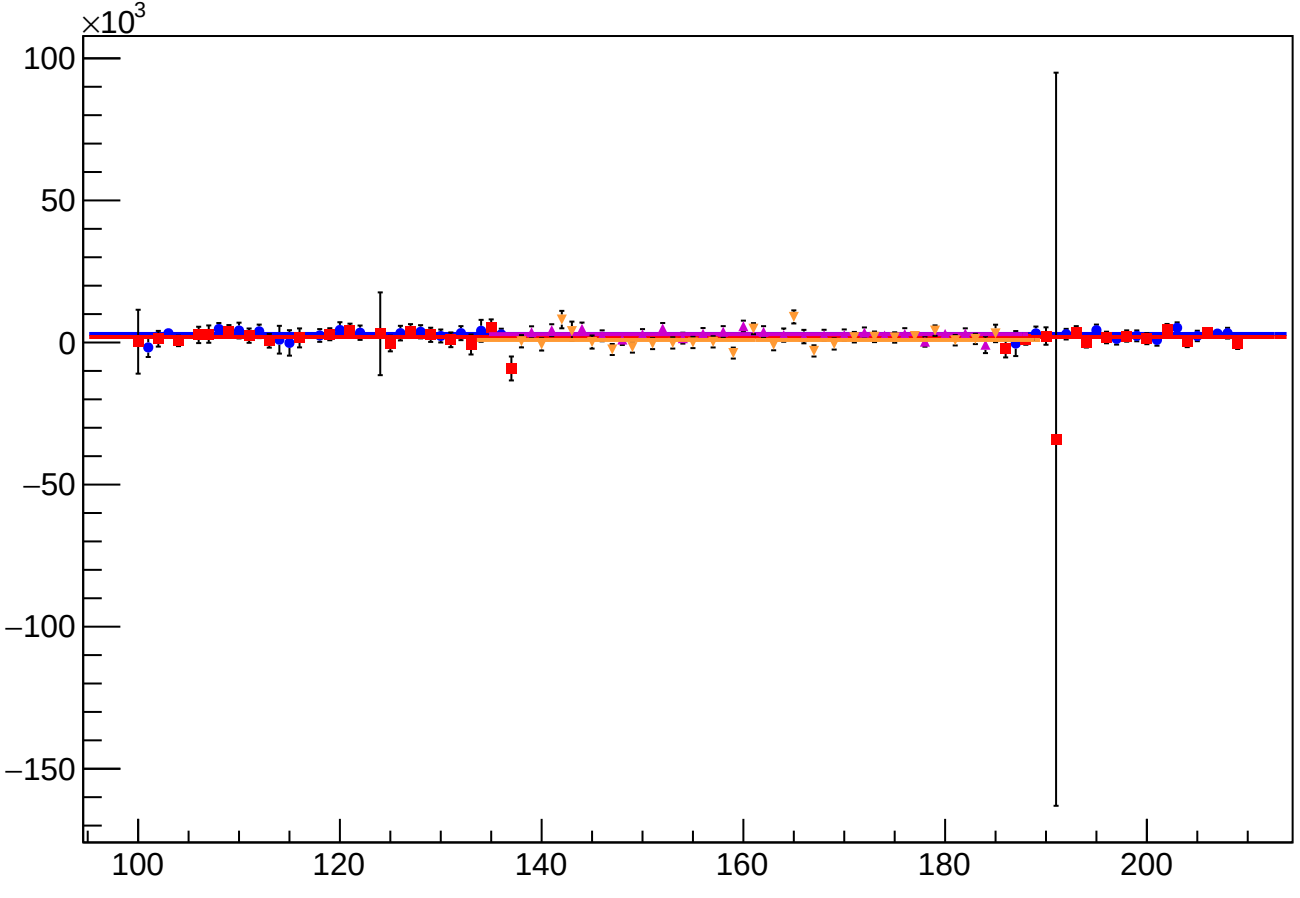
In: -132.875+/-1543.979 χ^2/NDF:42.7/49

Out: -1844.315+/-1389.191 χ^2/NDF:63.9/56

All: -1078.660+/-1032.707 χ^2/NDF: 107.2/10


asym_at2_avg_reg_correction_rms vs Slug, Sign Corrected
16000
14000
12000
10000
8000
6000
4000
100
120
140
160
180
200
Right In: 8544.345+/-1.574 χ²/NDF: 2006184.5/26
Left Out: 8043.834+/-1.362 χ²/NDF:3362838.6/24
Right Out: 7709.228+/-1.419 χ²/NDF: 4355753.9/31
Left In: 8995.626+/-1.516 χ²/NDF:1207133.5/22
Left: 8468.911+/-1.013 χ²/NDF: 4788197.5/47
Right: 8083.531+/-1.054 χ²/NDF: 6517285.2/58
In: 8778.491+/-1.092 χ²/NDF:3255972.2/49
Out: 7883.377+/-0.982 χ²/NDF:7747551.7/56
All: 8283.828+/-0.730 χ²/NDF: 11375003.5/1

cor_asym_at2_avg_mean vs Slug, Sign Corrected



Right In: 3007.520+/-435.558 χ^2/NDF: 8.8/26

Left Out: 898.842+/-405.540 χ^2/NDF:45.3/24

Right Out: 1939.643+/-425.801 χ^2/NDF: 23.0/31

Left In: 2943.173+/-412.069 χ^2/NDF:10.6/22

Left: 1904.684+/-289.041 χ^2/NDF: 68.3/47

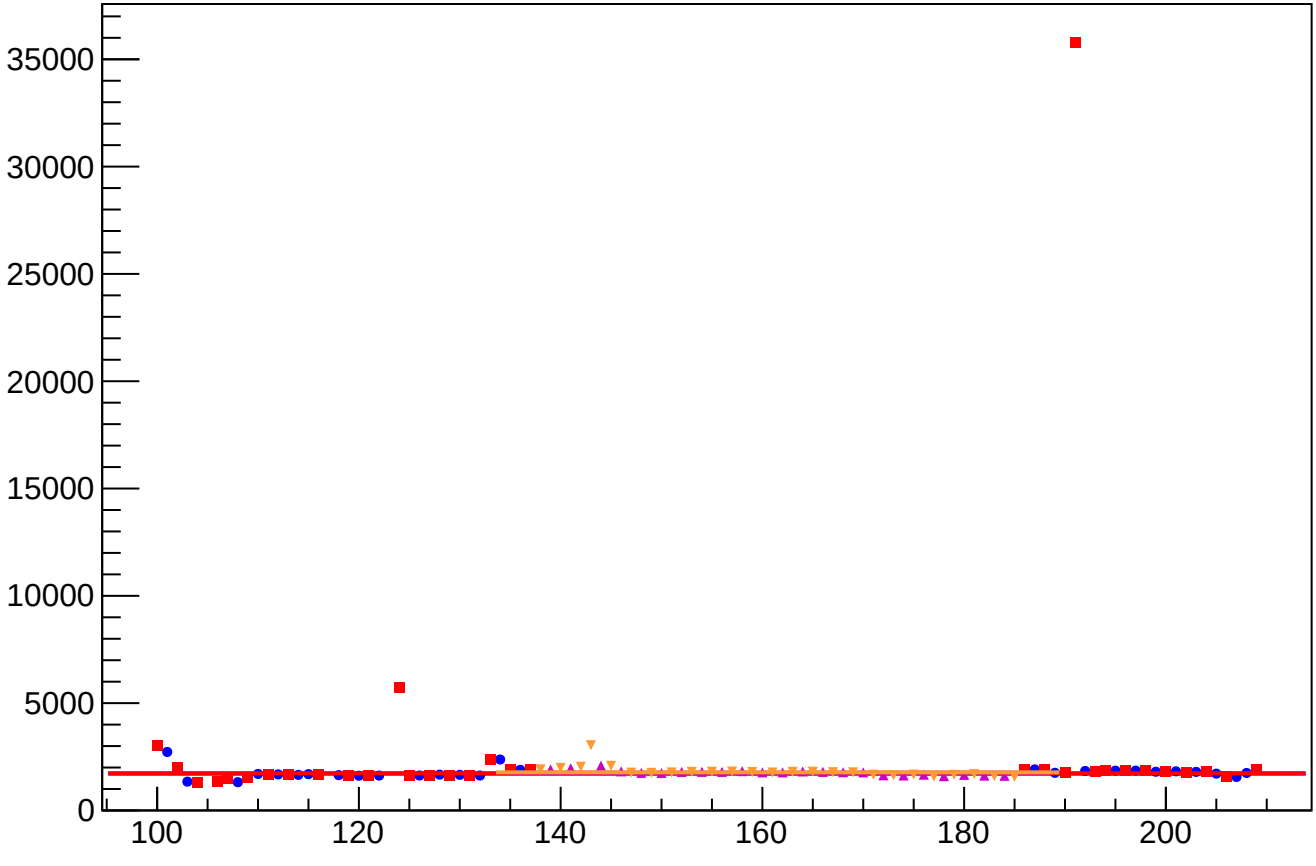
Right: 2461.486+/-304.478 χ^2/NDF: 34.9/58

In: 2973.565+/-299.337 χ^2/NDF:19.4/49

Out: 1393.892+/-293.662 χ^2/NDF:71.4/56

All: 2168.613+/-209.628 χ^2/NDF: 105.0/106

cor_asym_at2_avg_rms vs Slug, Sign Corrected



Right In: 1718.147+/-0.308 χ^2/NDF: 493662.0/26

Left Out: 1774.731+/-0.287 χ^2/NDF:446895.7/24

Right Out: 1732.205+/-0.301 χ^2/NDF: 709272.7/31

Left In: 1761.089+/-0.291 χ^2/NDF:146266.6/22

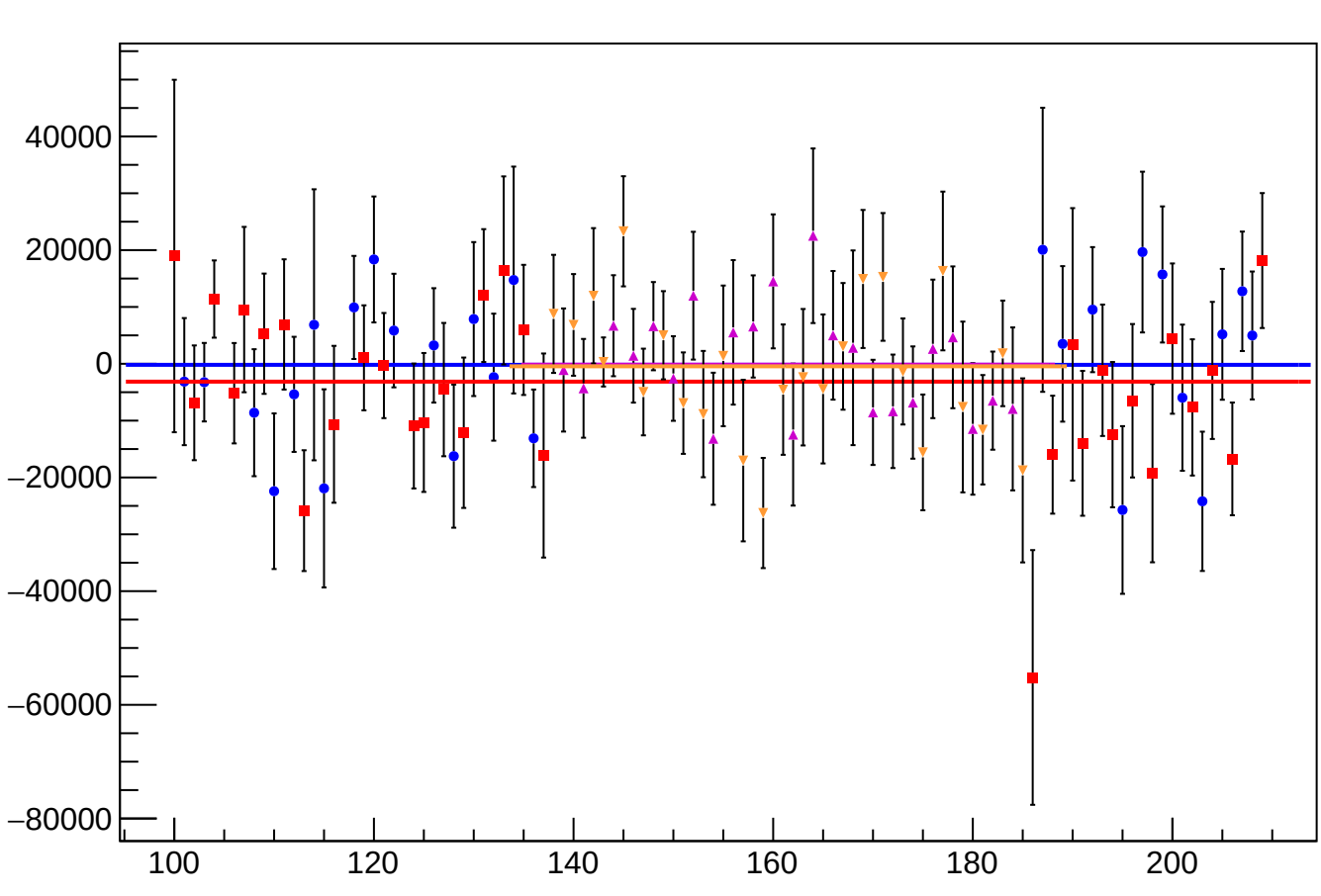
Left: 1768.019+/-0.204 χ^2/NDF: 594275.8/47

Right: 1725.335+/-0.215 χ^2/NDF: 1204000.1/58

In: 1740.807+/-0.212 χ^2/NDF:650186.9/49

Out: 1754.504+/-0.208 χ^2/NDF:1166628.6/56

All: 1747.786+/-0.148 χ^2/NDF: 1818949.3/10



Right In: -183.515+/-2223.916 χ^2/NDF: 29.0/26

Left Out: -443.387+/-1925.600 χ^2/NDF:29.5/24

Right Out: -3142.383+/-2071.890 χ^2/NDF: 33.2/31

Left In: -155.239+/-2143.487 χ^2/NDF:13.8/22

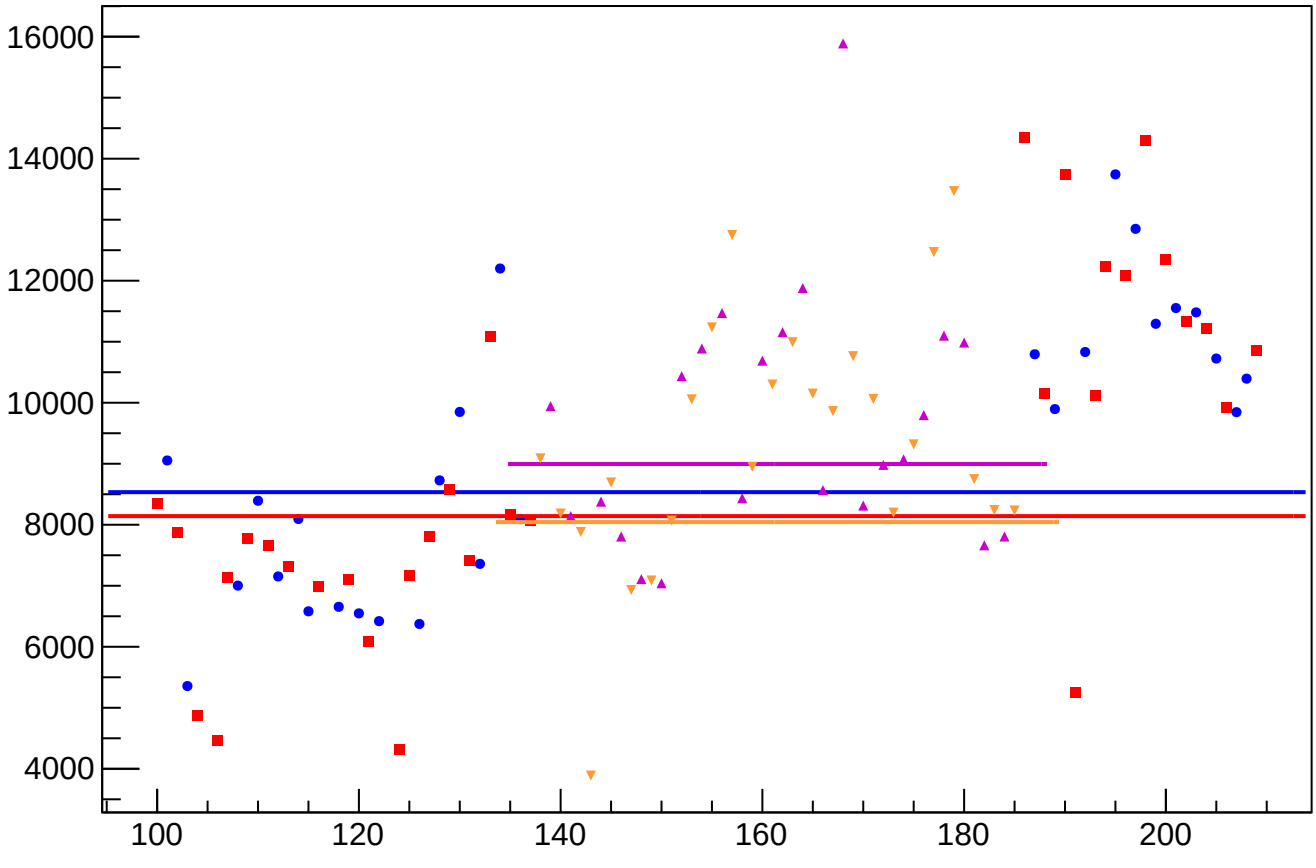
Left: -314.698+/-1432.462 χ^2/NDF: 43.3/47

Right: -1767.531+/-1515.946 χ^2/NDF: 63.1/58

In: -168.857+/-1543.325 χ^2/NDF:42.8/49

Out: -1694.247+/-1410.489 χ^2/NDF:63.5/56

All: -1000.011+/-1041.167 χ^2/NDF: 106.8/10



Right In: 8534.414+/-1.573 χ^2/NDF: 2024388.7/26

Left Out: 8043.808+/-1.362 χ^2/NDF:3362915.7/24

Right Out: 8141.679+/-1.465 χ^2/NDF: 3132900.0/31

Left In: 8995.616+/-1.516 χ^2/NDF:1207139.1/22

Left: 8468.892+/-1.013 χ^2/NDF: 4788288.1/47

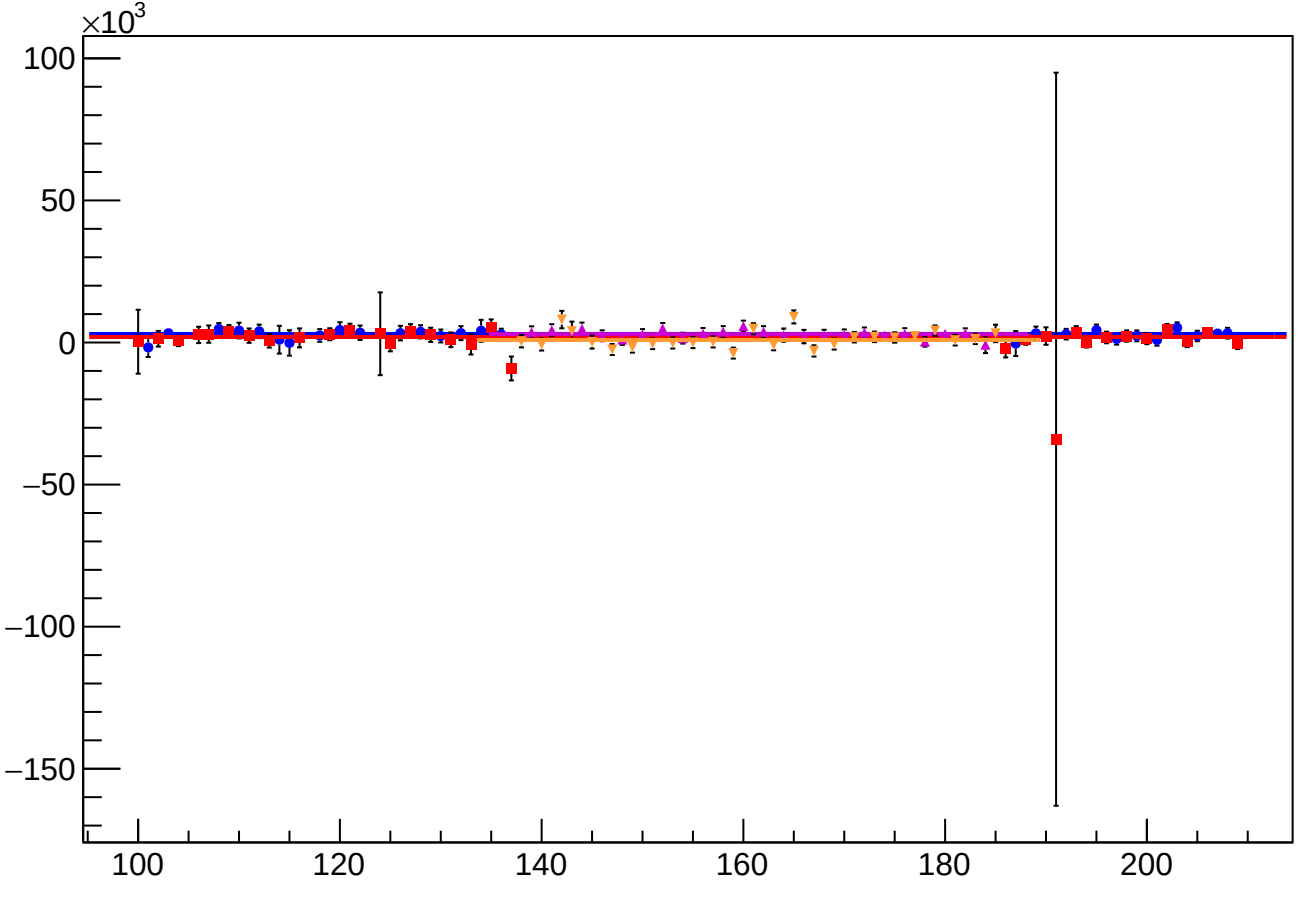
Right: 8324.165+/-1.072 χ^2/NDF: 5190679.4/58

In: 8773.505+/-1.091 χ^2/NDF:3276119.0/49

Out: 8089.167+/-0.997 χ^2/NDF:6498210.2/56

All: 8400.623+/-0.736 χ^2/NDF: 9988597.7/10

eigen_cor_asym_at2_avg_mean vs Slug, Sign Corrected



Right In: 3007.520+/-435.558 χ^2/NDF: 8.8/26

Left Out: 898.842+/-405.540 χ^2/NDF:45.3/24

Right Out: 1939.643+/-425.801 χ^2/NDF: 23.0/31

Left In: 2943.173+/-412.069 χ^2/NDF:10.6/22

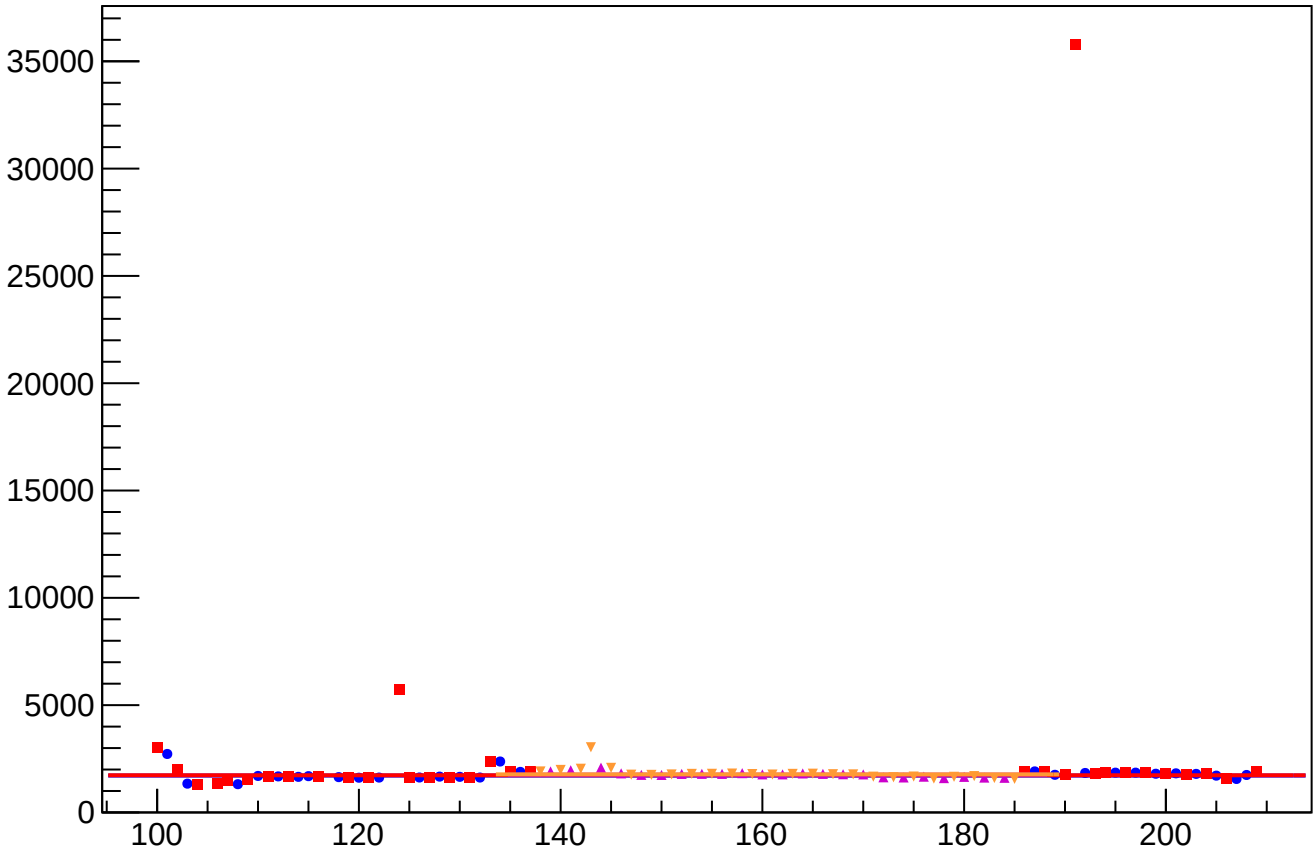
Left: 1904.684+/-289.041 χ^2/NDF: 68.3/47

Right: 2461.486+/-304.478 χ^2/NDF: 34.9/58

In: 2973.565+/-299.337 χ^2/NDF:19.4/49

Out: 1393.892+/-293.662 χ^2/NDF:71.4/56

All: 2168.613+/-209.628 χ^2/NDF: 105.0/106



Right In: 1718.147+/-0.308 χ^2/NDF: 493662.0/26

Left Out: 1774.731+/-0.287 χ^2/NDF:446895.7/24

Right Out: 1732.205+/-0.301 χ^2/NDF: 709272.7/31

Left In: 1761.089+/-0.291 χ^2/NDF:146266.6/22

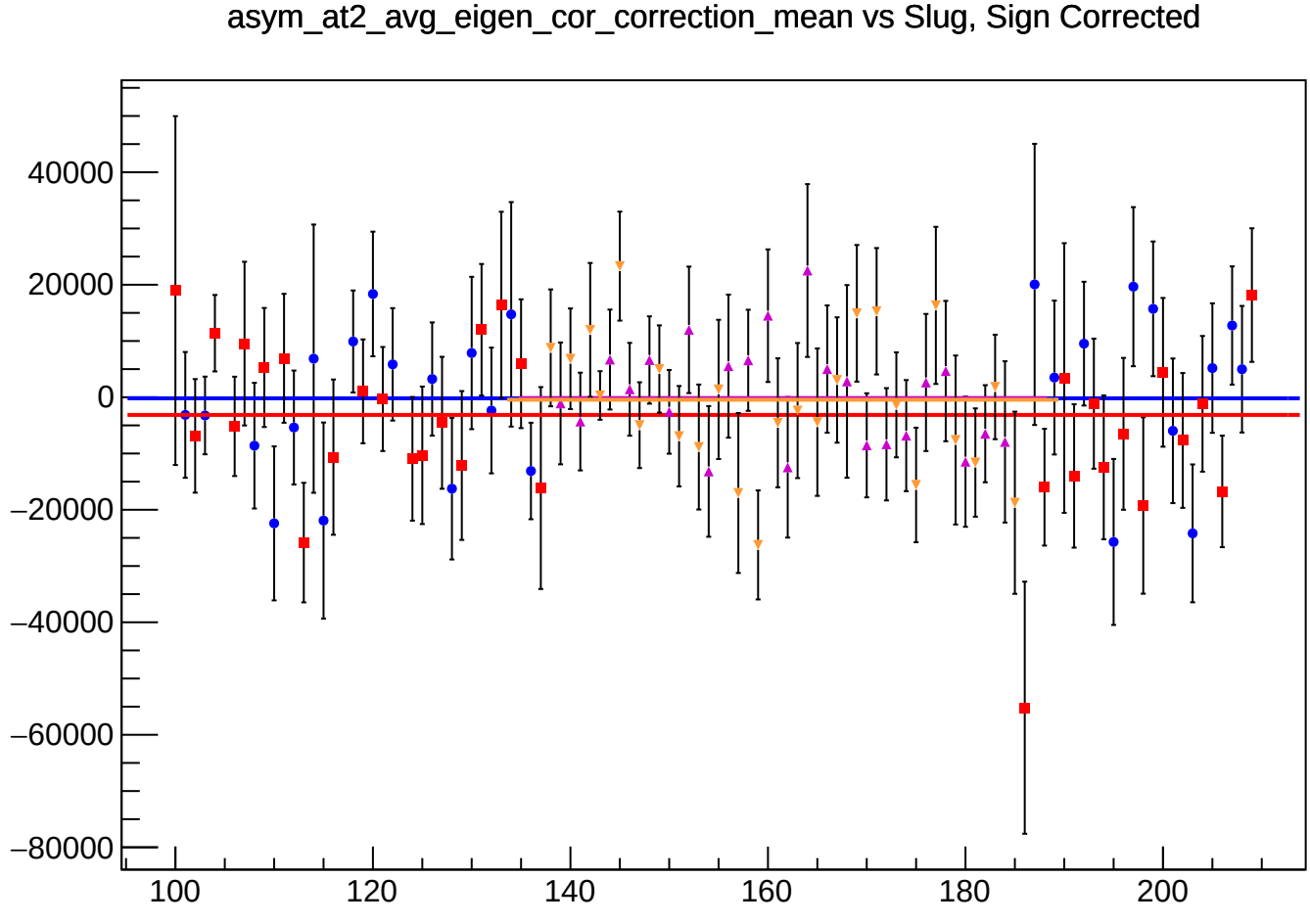
Left: 1768.019+/-0.204 χ^2/NDF: 594275.8/47

Right: 1725.335+/-0.215 χ^2/NDF: 1204000.1/58

In: 1740.807+/-0.212 χ^2/NDF:650186.9/49

Out: 1754.504+/-0.208 χ^2/NDF:1166628.6/56

All: 1747.786+/-0.148 χ^2/NDF: 1818949.3/10



Right In: -183.515+/-2223.916 χ^2/NDF: 29.0/26

Left Out: -443.387+/-1925.600 χ^2/NDF:29.5/24

Right Out: -3142.383+/-2071.890 χ^2/NDF: 33.2/31

Left In: -155.239+/-2143.487 χ^2/NDF:13.8/22

Left: -314.698+/-1432.462 χ^2/NDF: 43.3/47

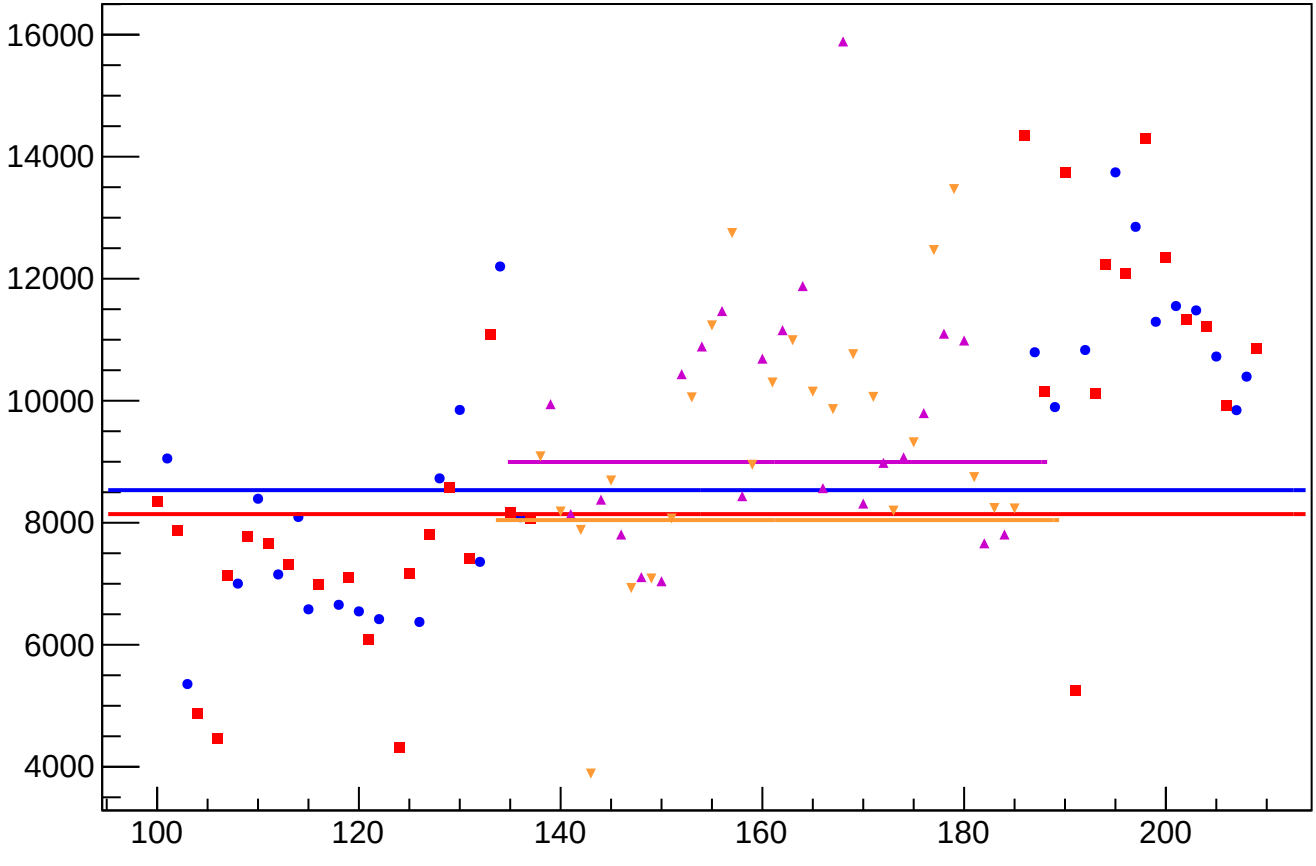
Right: -1767.531+/-1515.946 χ^2/NDF: 63.1/58

In: -168.857+/-1543.325 χ^2/NDF:42.8/49

Out: -1694.247+/-1410.489 χ^2/NDF:63.5/56

All: -1000.011+/-1041.167 χ^2/NDF: 106.8/10

asym_at2_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 8534.414+/-1.573 χ^2/NDF: 2024388.7/26

Left Out: 8043.808+/-1.362 χ^2/NDF:3362915.7/24

Right Out: 8141.679+/-1.465 χ^2/NDF: 3132900.0/31

Left In: 8995.616+/-1.516 χ^2/NDF:1207139.1/22

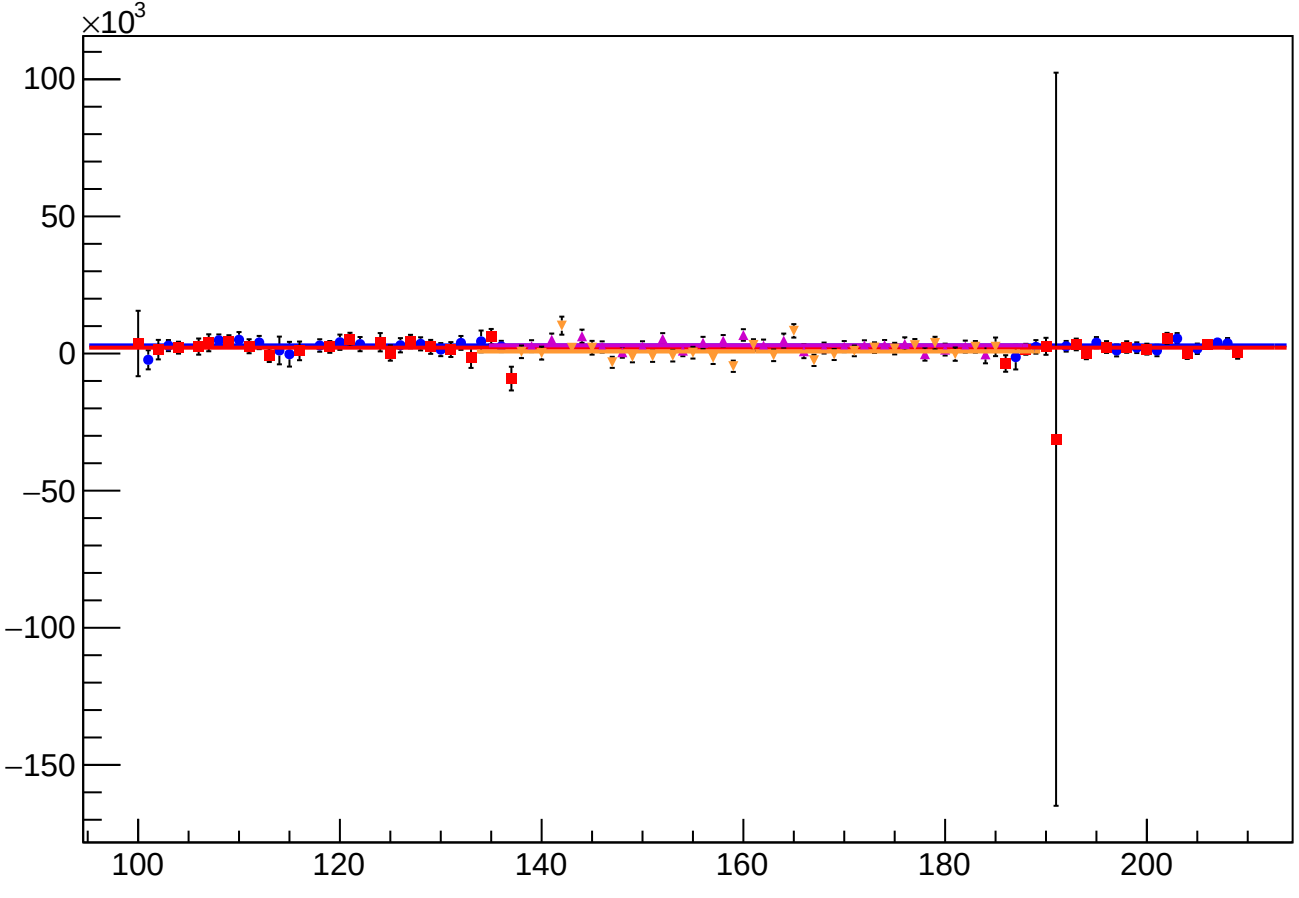
Left: 8468.892+/-1.013 χ^2/NDF: 4788288.1/47

Right: 8324.165+/-1.072 χ^2/NDF: 5190679.4/58

In: 8773.505+/-1.091 χ^2/NDF:3276119.0/49

Out: 8089.167+/-0.997 χ^2/NDF:6498210.2/56

All: 8400.623+/-0.736 χ^2/NDF: 9988597.7/10



Right In: 2975.402+/-450.530 χ^2/NDF: 10.8/26

Left Out: 739.029+/-432.878 χ^2/NDF:41.6/24

Right Out: 2139.306+/-438.482 χ^2/NDF: 27.1/31

Left In: 2979.225+/-450.334 χ^2/NDF:15.6/22

Left: 1814.868+/-312.080 χ^2/NDF: 70.1/47

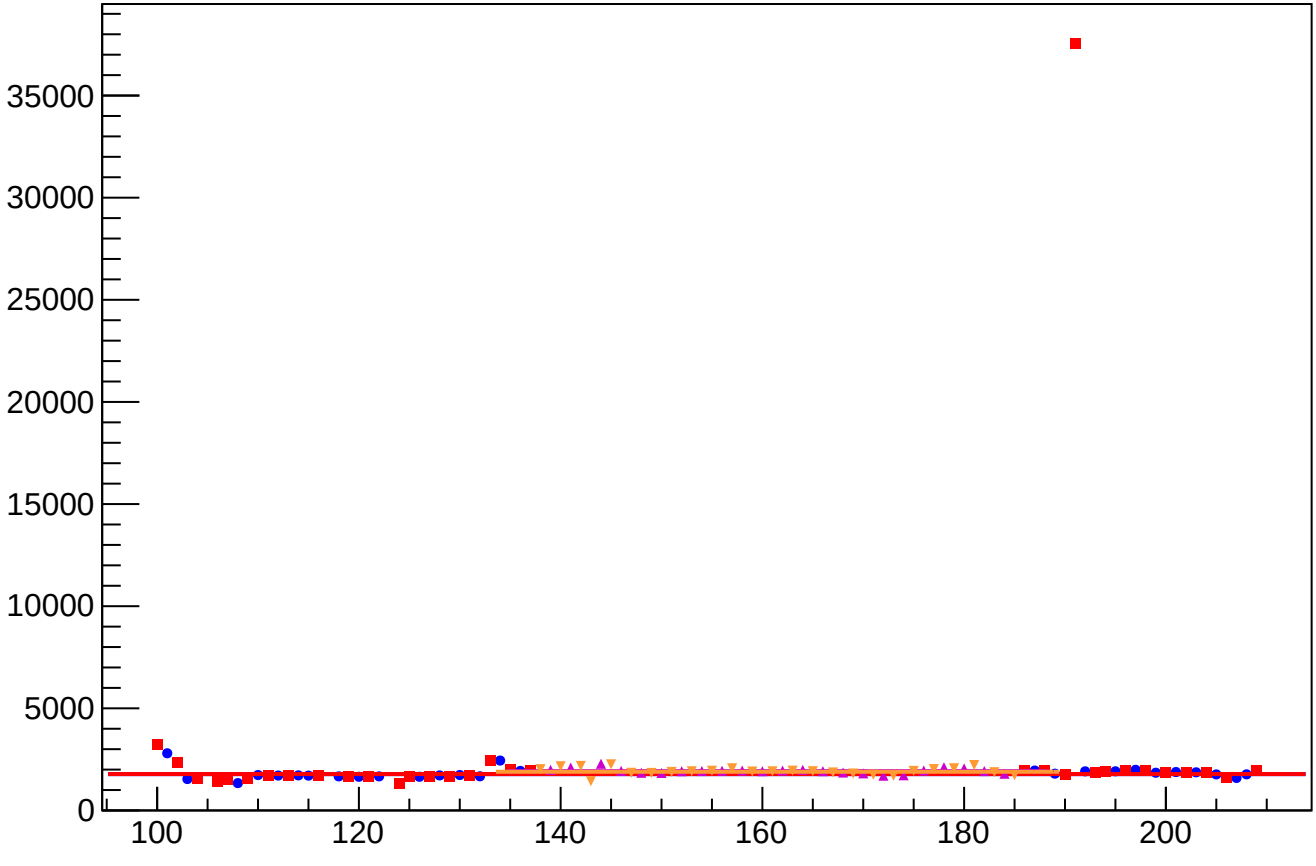
Right: 2546.026+/-314.227 χ^2/NDF: 39.7/58

In: 2977.314+/-318.504 χ^2/NDF:26.5/49

Out: 1430.162+/-308.053 χ^2/NDF:73.9/56

All: 2177.941+/-221.429 χ^2/NDF: 112.6/106

dit_asym_at2_avg_rms vs Slug, Sign Corrected



Right In: 1777.448+/-0.319 χ^2/NDF: 455384.4/26

Left Out: 1894.684+/-0.306 χ^2/NDF:368587.1/24

Right Out: 1781.986+/-0.310 χ^2/NDF: 574453.2/31

Left In: 1923.038+/-0.318 χ^2/NDF:150977.3/22

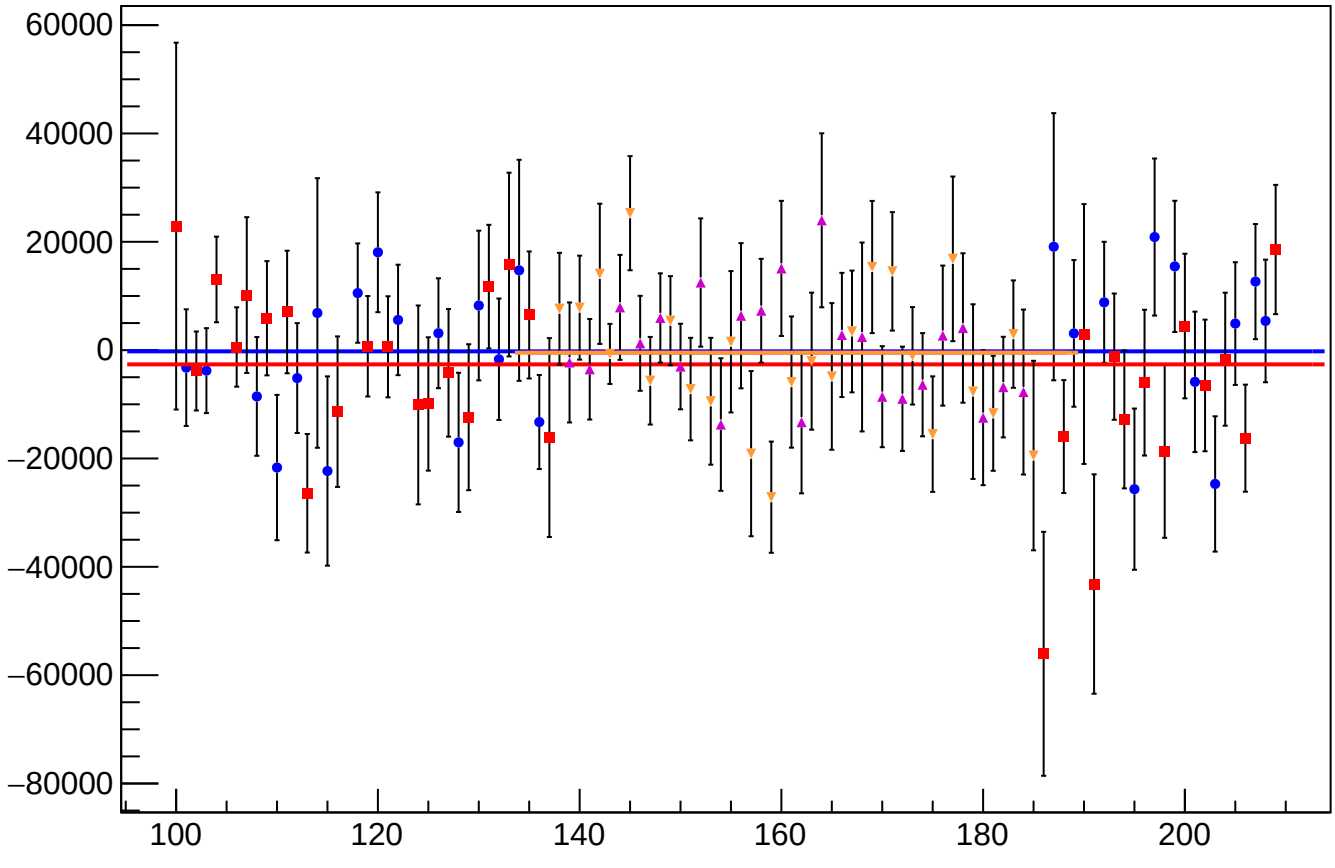
Left: 1908.301+/-0.221 χ^2/NDF: 523685.2/47

Right: 1779.779+/-0.222 χ^2/NDF: 1029941.7/58

In: 1850.275+/-0.225 χ^2/NDF:710835.0/49

Out: 1839.050+/-0.218 χ^2/NDF:1009960.5/56

All: 1844.475+/-0.157 χ^2/NDF: 1722079.0/10



Right In: -220.566+/-2260.374 χ^2/NDF: 28.8/26

Left Out: -479.338+/-2089.235 χ^2/NDF:28.8/24

Right Out: -2628.510+/-2081.127 χ^2/NDF: 35.7/31

Left In: -436.717+/-2245.180 χ^2/NDF:13.6/22

Left: -459.559+/-1529.474 χ^2/NDF: 42.4/47

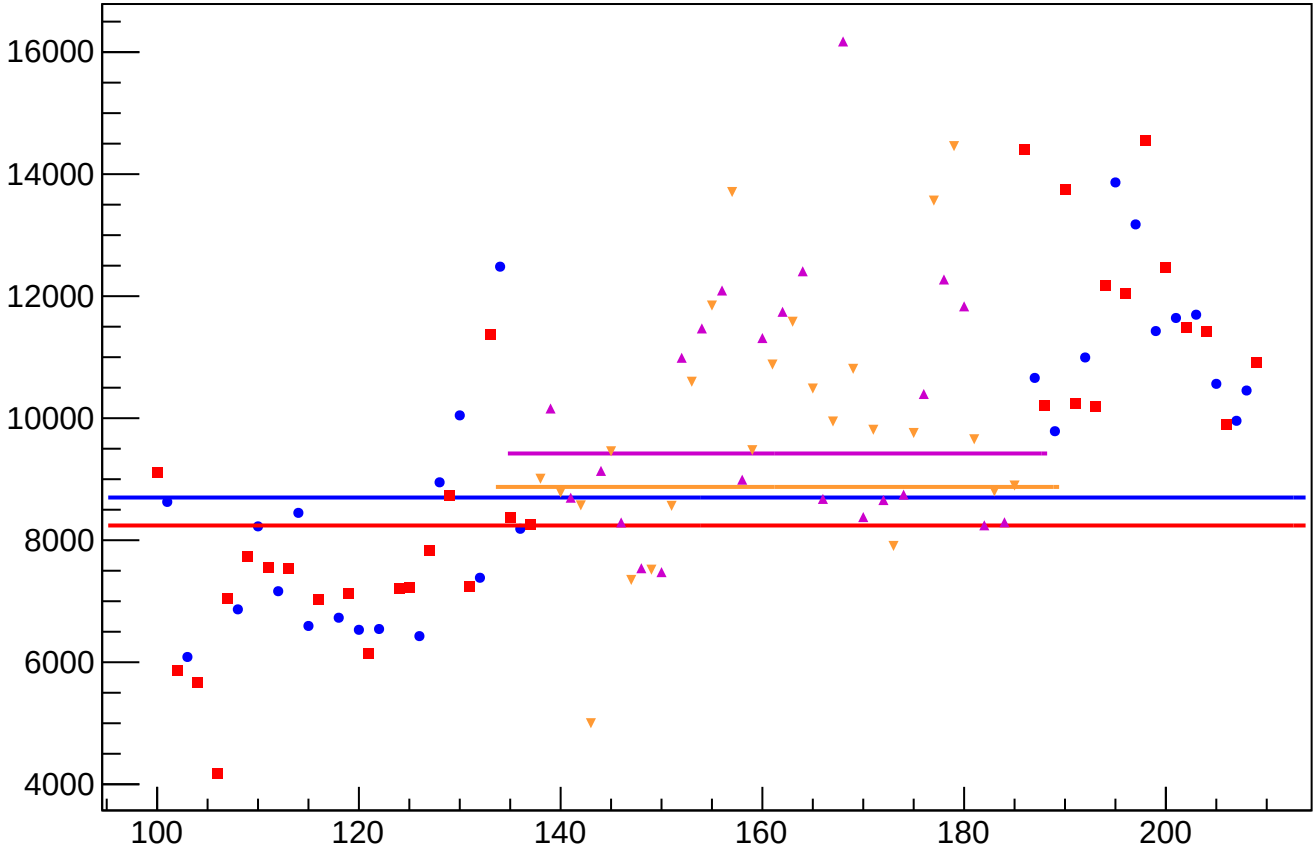
Right: -1523.784+/-1531.032 χ^2/NDF: 65.1/58

In: -329.370+/-1592.927 χ^2/NDF:42.3/49

Out: -1558.102+/-1474.437 χ^2/NDF:65.1/56

All: -991.130+/-1082.052 χ^2/NDF: 107.7/106

asym_at2_avg_dit_correction_rms vs Slug, Sign Corrected



Right In: 8699.986+/-1.598 χ^2/NDF: 1829052.6/26

Left Out: 8873.592+/-1.477 χ^2/NDF:2203249.6/24

Right Out: 8241.513+/-1.472 χ^2/NDF: 3029287.6/31

Left In: 9421.708+/-1.588 χ^2/NDF:1204848.0/22

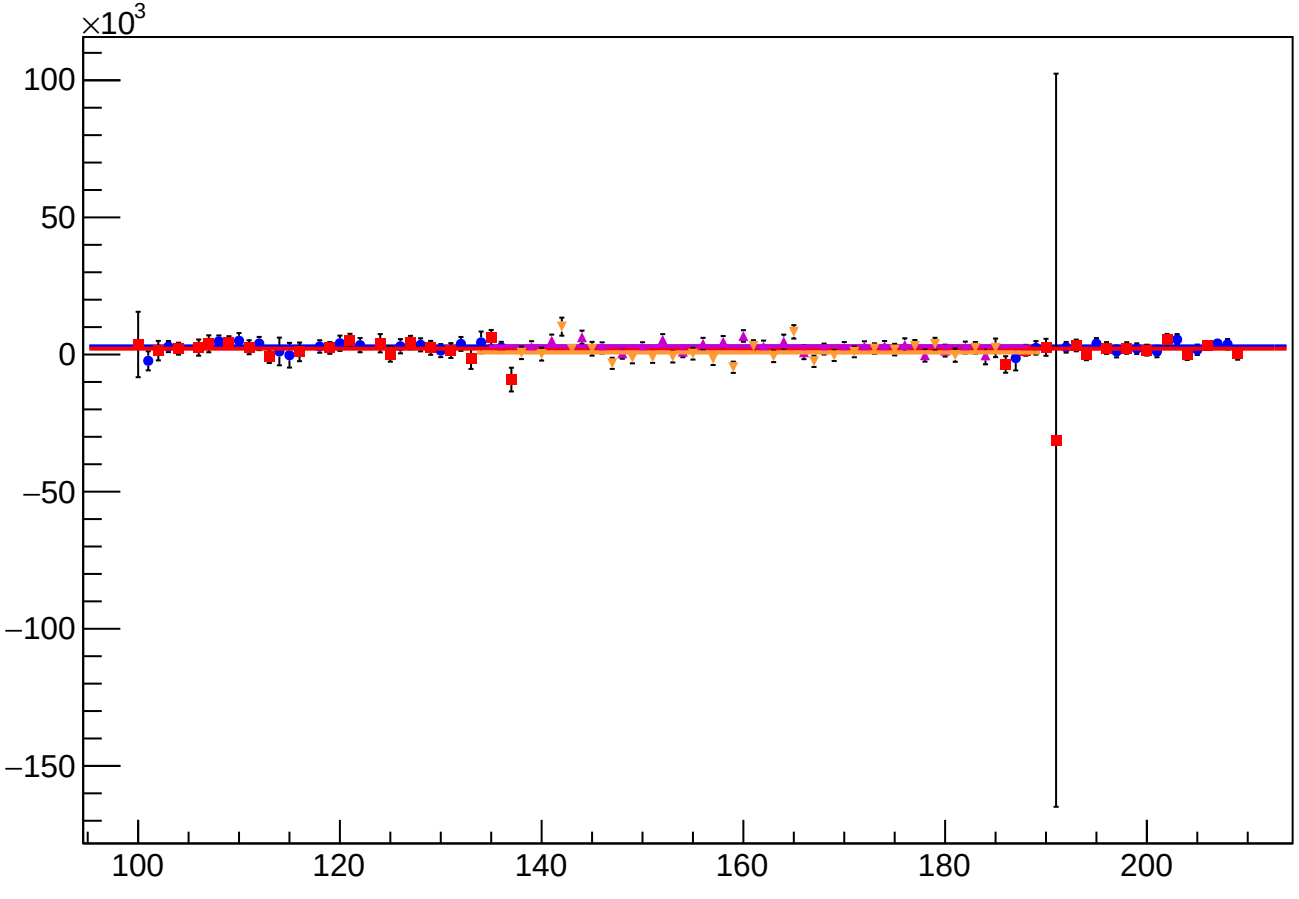
Left: 9127.955+/-1.082 χ^2/NDF: 3471980.0/47

Right: 8451.853+/-1.083 χ^2/NDF: 4902871.7/58

In: 9063.280+/-1.126 χ^2/NDF:3136536.3/49

Out: 8556.324+/-1.043 χ^2/NDF:5324424.3/56

All: 8790.248+/-0.765 χ^2/NDF: 8570060.3/10



Right In: 2975.399+/-450.530 χ^2/NDF: 10.8/26

Left Out: 739.018+/-432.879 χ^2/NDF:41.6/24

Right Out: 2139.307+/-438.483 χ^2/NDF: 27.1/31

Left In: 2979.226+/-450.335 χ^2/NDF:15.6/22

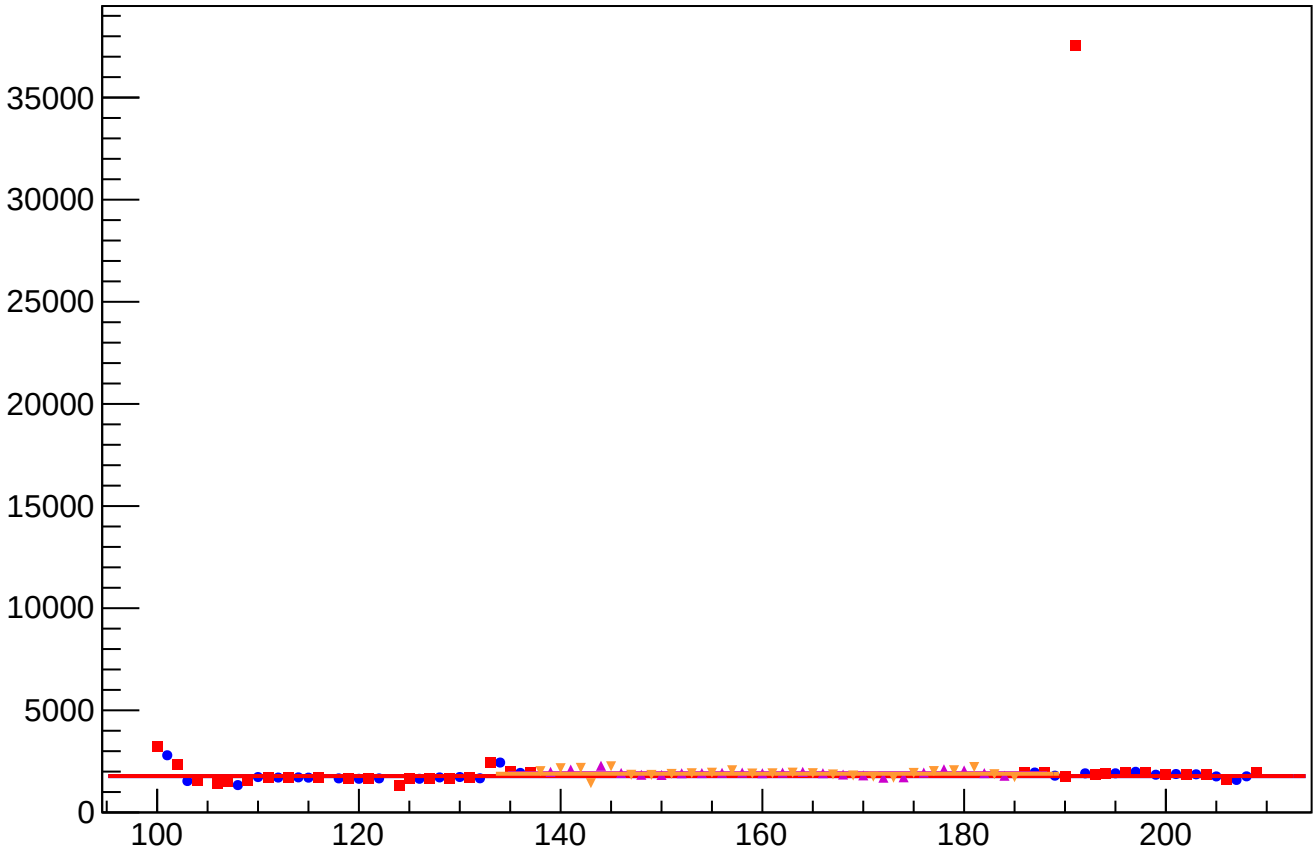
Left: 1814.862+/-312.080 χ^2/NDF: 70.1/47

Right: 2546.025+/-314.227 χ^2/NDF: 39.7/58

In: 2977.313+/-318.504 χ^2/NDF:26.5/49

Out: 1430.158+/-308.054 χ^2/NDF:73.9/56

All: 2177.938+/-221.429 χ^2/NDF: 112.6/106



Right In: 1777.448+/-0.319 χ^2/NDF: 455384.7/26

Left Out: 1894.687+/-0.306 χ^2/NDF:368594.6/24

Right Out: 1781.986+/-0.310 χ^2/NDF: 574454.9/31

Left In: 1923.042+/-0.318 χ^2/NDF:150984.8/22

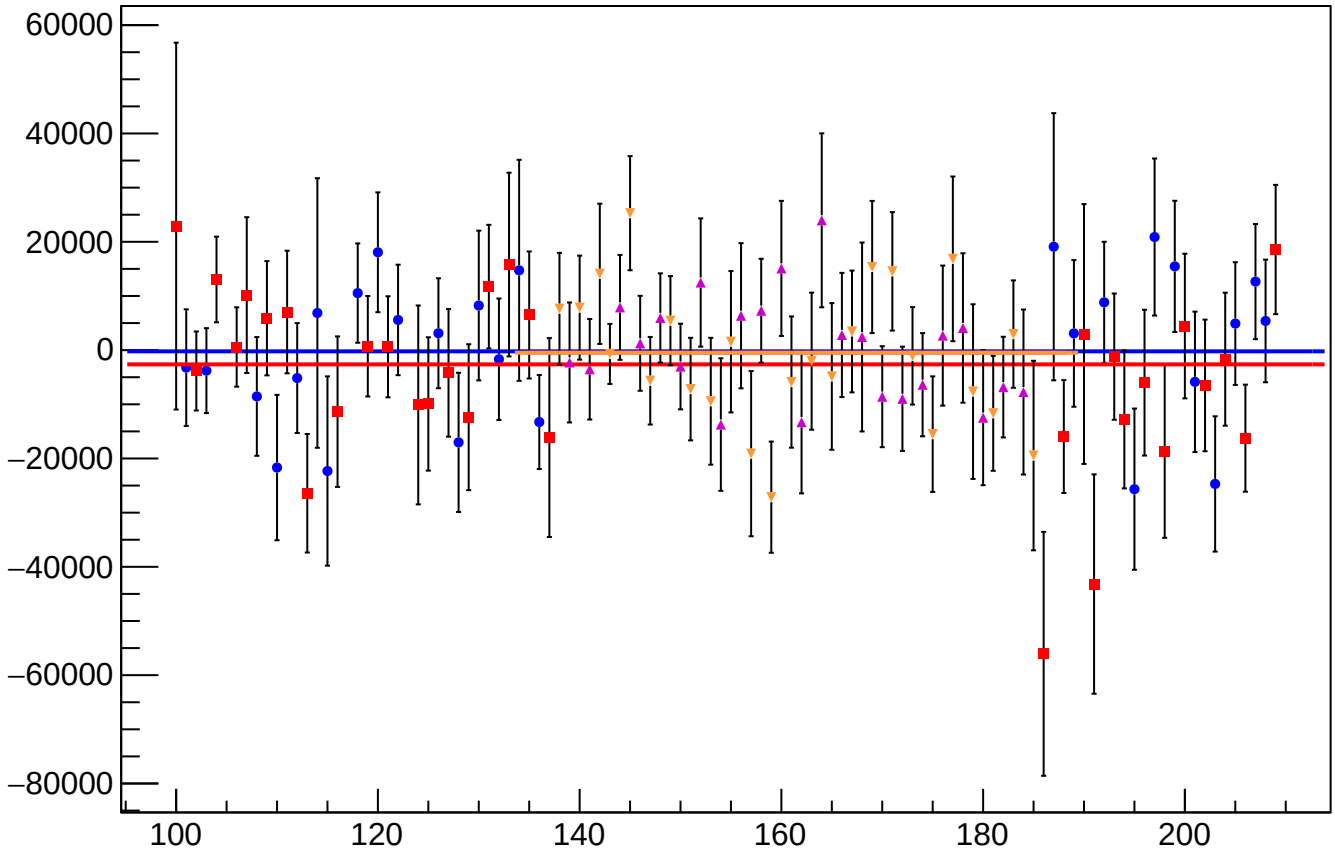
Left: 1908.304+/-0.221 χ^2/NDF: 523700.4/47

Right: 1779.779+/-0.222 χ^2/NDF: 1029943.8/58

In: 1850.276+/-0.225 χ^2/NDF:710847.5/49

Out: 1839.052+/-0.218 χ^2/NDF:1009973.3/56

All: 1844.476+/-0.157 χ^2/NDF: 1722104.3/10



Right In: -220.558+/-2260.372 χ^2/NDF: 28.8/26

Left Out: -479.345+/-2089.238 χ^2/NDF:28.8/24

Right Out: -2628.496+/-2081.125 χ^2/NDF: 35.7/31

Left In: -436.720+/-2245.183 χ^2/NDF:13.6/22

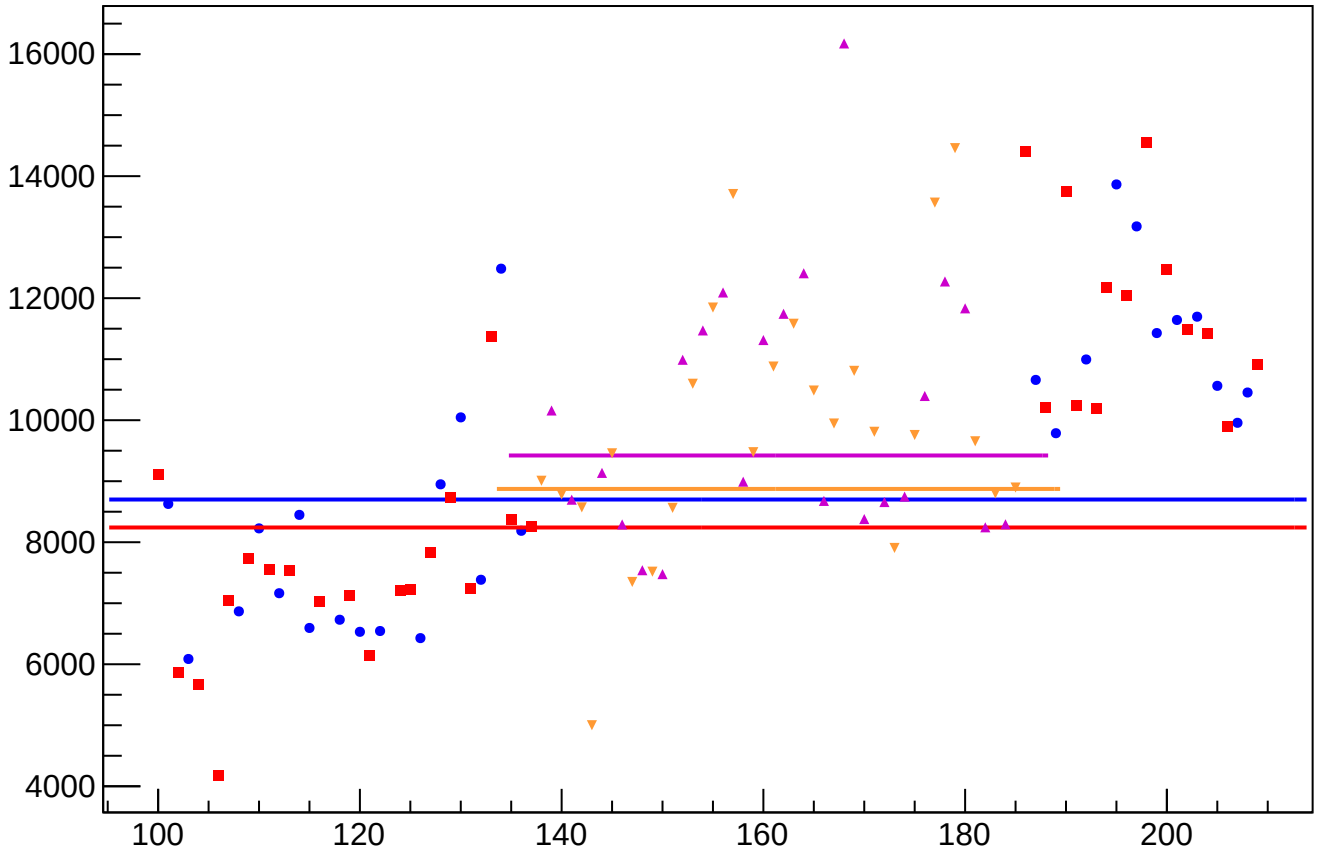
Left: -459.564+/-1529.476 χ^2/NDF: 42.4/47

Right: -1523.774+/-1531.030 χ^2/NDF: 65.1/58

In: -329.368+/-1592.927 χ^2/NDF:42.3/49

Out: -1558.102+/-1474.438 χ^2/NDF:65.1/56

All: -991.129+/-1082.052 χ^2/NDF: 107.7/106



Right In: 8699.975+/-1.598 χ^2/NDF: 1829079.3/26

Left Out: 8873.607+/-1.477 χ^2/NDF:2203251.2/24

Right Out: 8241.501+/-1.472 χ^2/NDF: 3029311.6/31

Left In: 9421.722+/-1.588 χ^2/NDF:1204851.9/22

Left: 9127.970+/-1.082 χ^2/NDF: 3471985.2/47

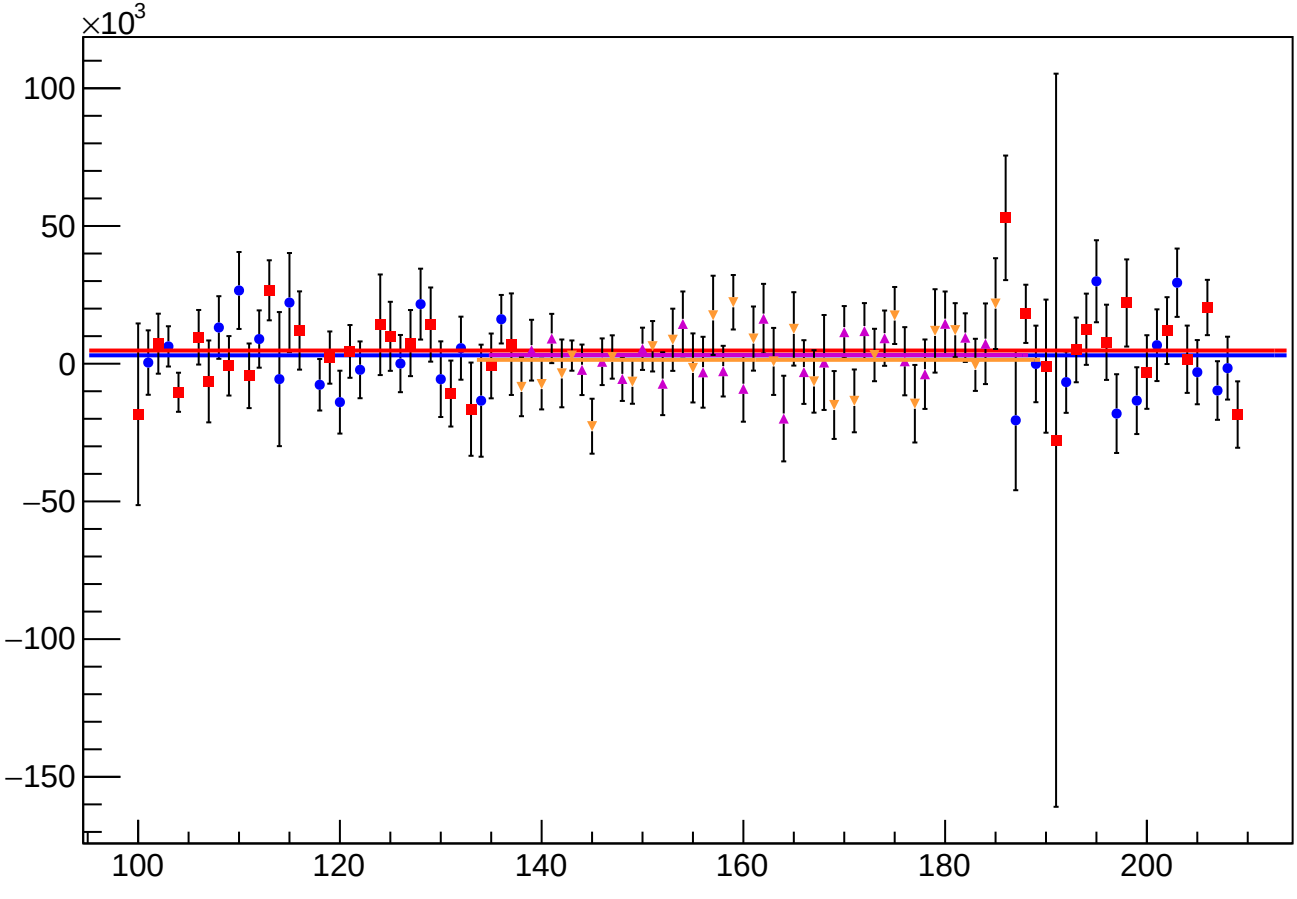
Right: 8451.841+/-1.083 χ^2/NDF: 4902922.6/58

In: 9063.281+/-1.126 χ^2/NDF:3136574.0/49

Out: 8556.324+/-1.043 χ^2/NDF:5324457.3/56

All: 8790.249+/-0.765 χ^2/NDF: 8570131.0/10

asym_at2_avg_mean vs Slug, Sign Corrected



Right In: 3035.911+/-2281.072 χ^2/NDF: 30.2/26

Left Out: 1408.316+/-2039.907 χ^2/NDF:27.4/24

Right Out: 4779.268+/-2188.549 χ^2/NDF: 30.4/31

Left In: 3139.264+/-2189.465 χ^2/NDF:13.0/22

Left: 2212.657+/-1492.506 χ^2/NDF: 40.7/47

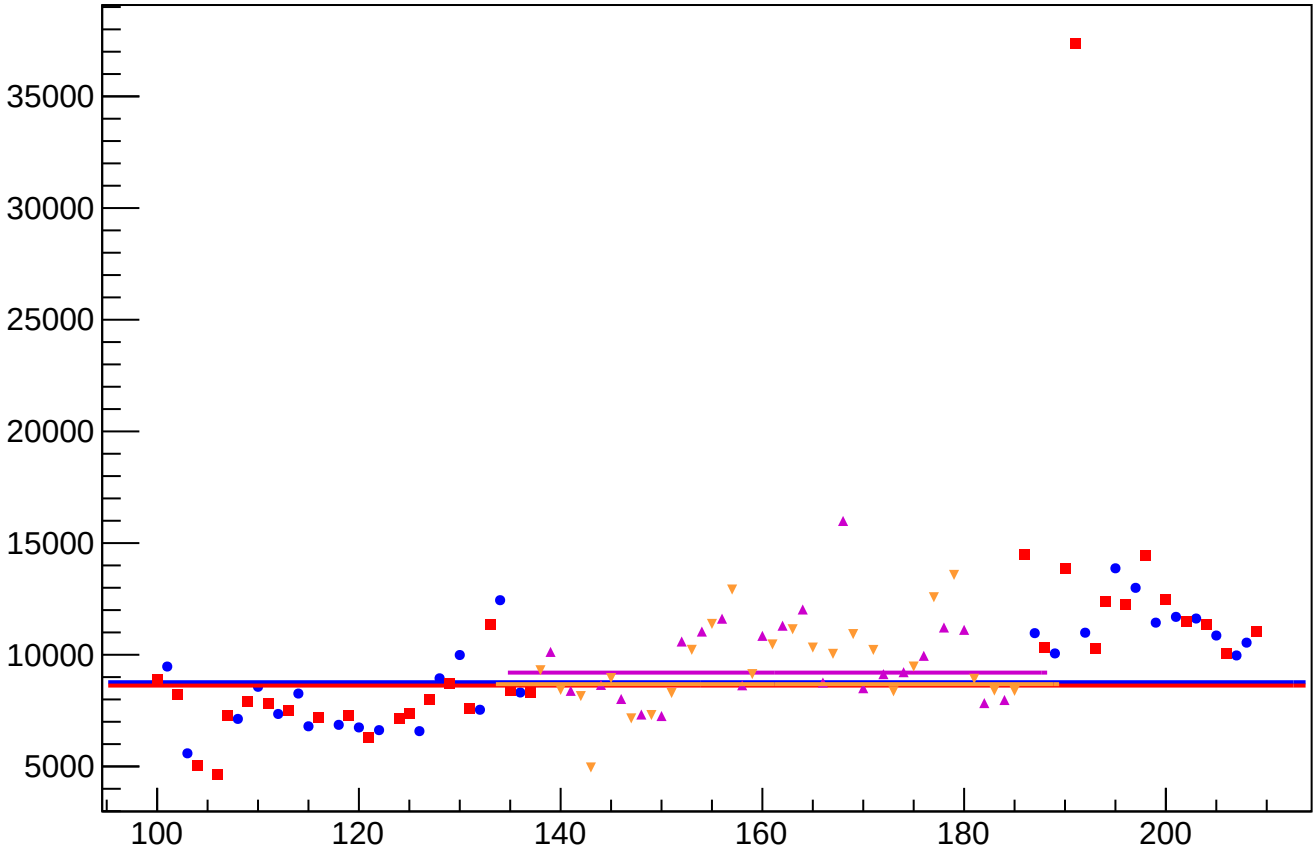
Right: 3943.663+/-1579.234 χ^2/NDF: 60.9/58

In: 3089.704+/-1579.578 χ^2/NDF:43.1/49

Out: 2975.441+/-1492.216 χ^2/NDF:59.1/56

All: 3029.325+/-1084.726 χ^2/NDF: 102.2/106

asym_at2_avg_rms vs Slug, Sign Corrected



Right In: 8771.031+/-1.613 χ^2/NDF: 1884533.8/26

Left Out: 8684.549+/-1.442 χ^2/NDF:2051622.3/24

Right Out: 8620.814+/-1.547 χ^2/NDF: 2664440.6/31

Left In: 9200.796+/-1.548 χ^2/NDF:1129421.3/22

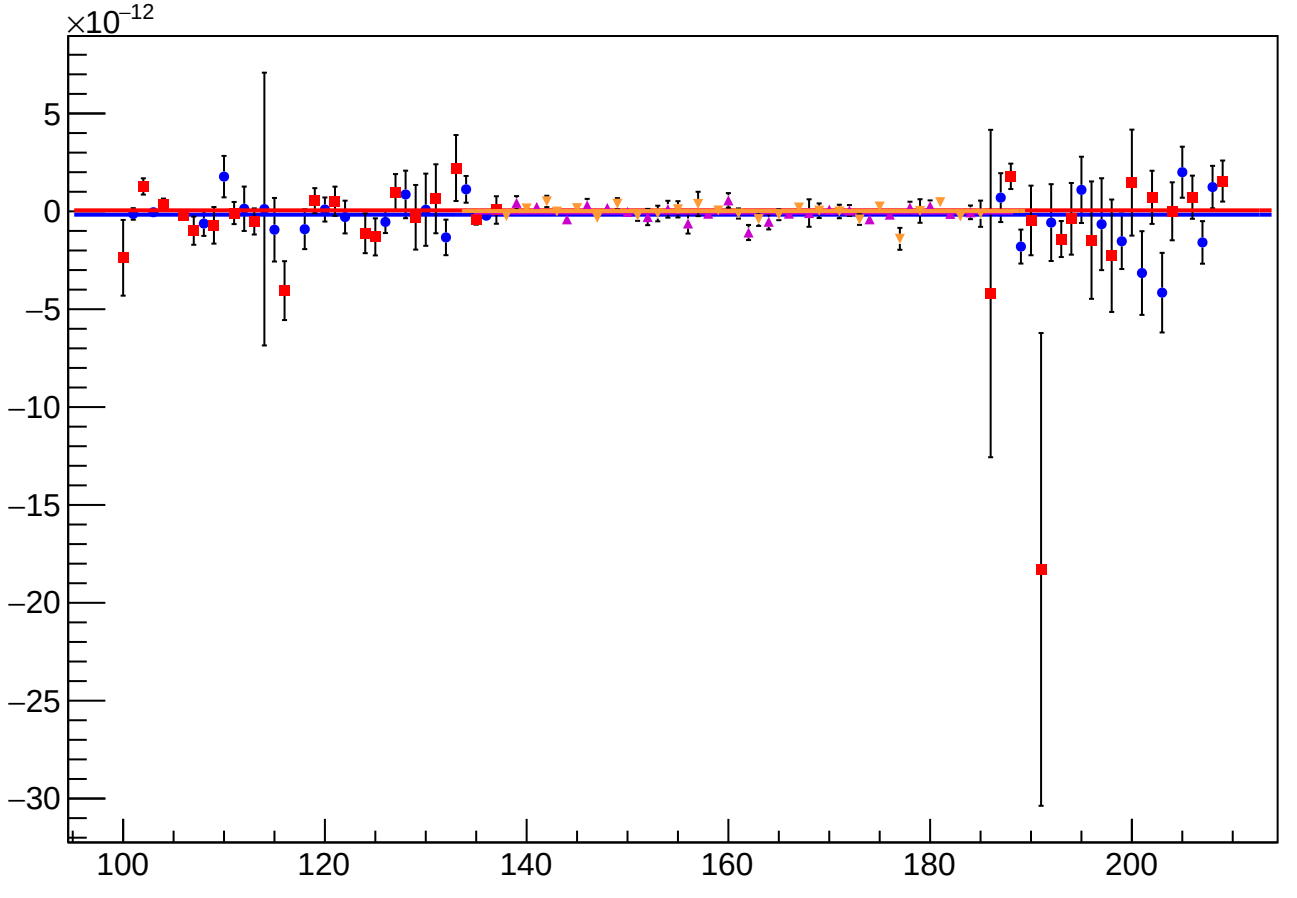
Left: 8924.440+/-1.055 χ^2/NDF: 3240566.0/47

Right: 8692.810+/-1.117 χ^2/NDF: 4553490.9/58

In: 8994.715+/-1.117 χ^2/NDF:3050905.9/49

Out: 8654.917+/-1.055 χ^2/NDF:4716970.6/56

All: 8815.156+/-0.767 χ^2/NDF: 7816784.2/10



Right In: -0.000+/-0.000 χ^2/NDF: 29.2/26

Left Out: 0.000+/-0.000 χ^2/NDF:28.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 49.2/31

Left In: -0.000+/-0.000 χ^2/NDF:27.8/22

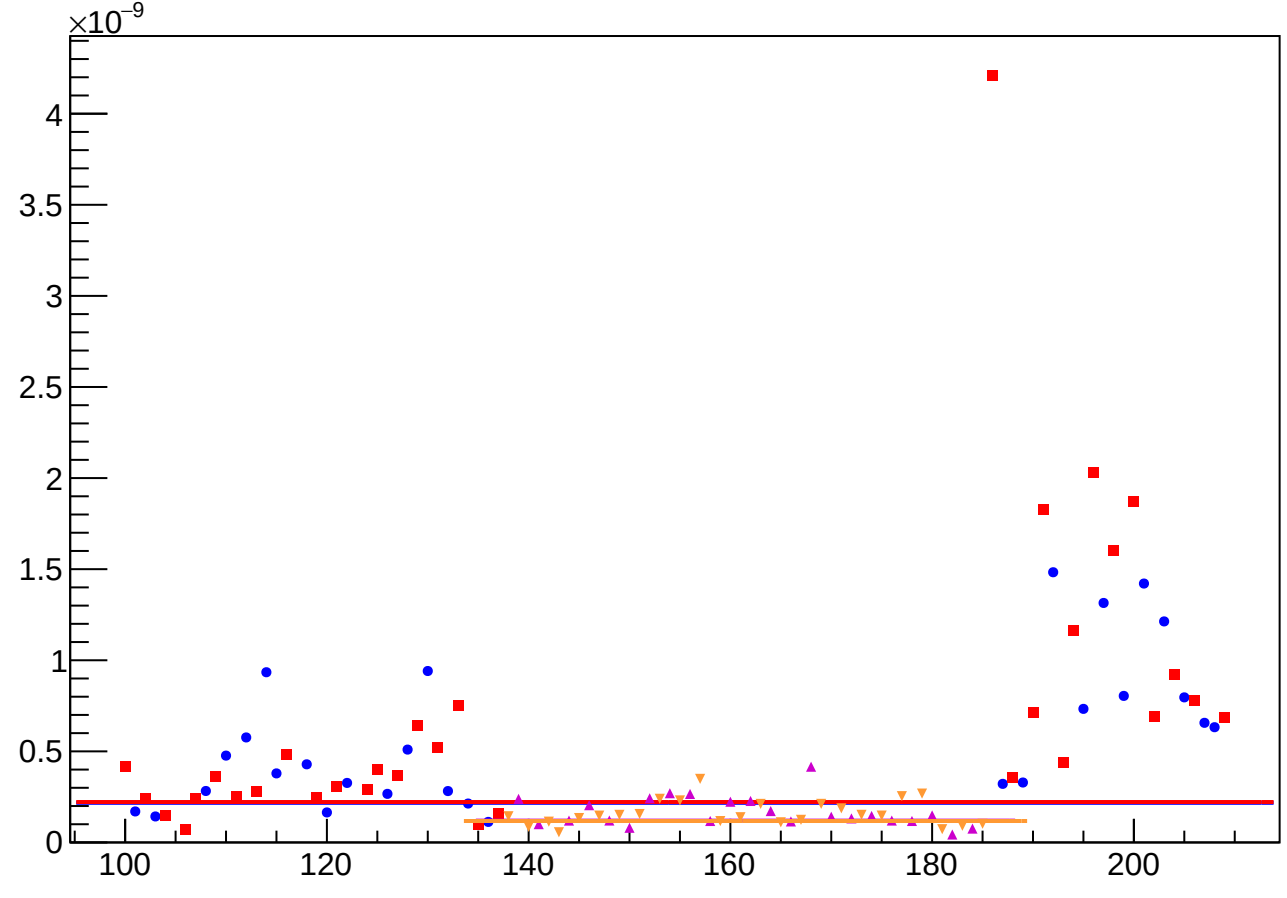
Left: -0.000+/-0.000 χ^2/NDF: 57.7/47

Right: -0.000+/-0.000 χ^2/NDF: 80.2/58

In: -0.000+/-0.000 χ^2/NDF:57.7/49

Out: 0.000+/-0.000 χ^2/NDF:78.1/56

All: -0.000+/-0.000 χ^2/NDF: 138.2/106



Right In: 0.000+/-0.000 χ^2/NDF: 5722162.2/26

Left Out: 0.000+/-0.000 χ^2/NDF:2335885.1/24

Right Out: 0.000+/-0.000 χ^2/NDF: 6831051.5/31

Left In: 0.000+/-0.000 χ^2/NDF:2660632.2/22

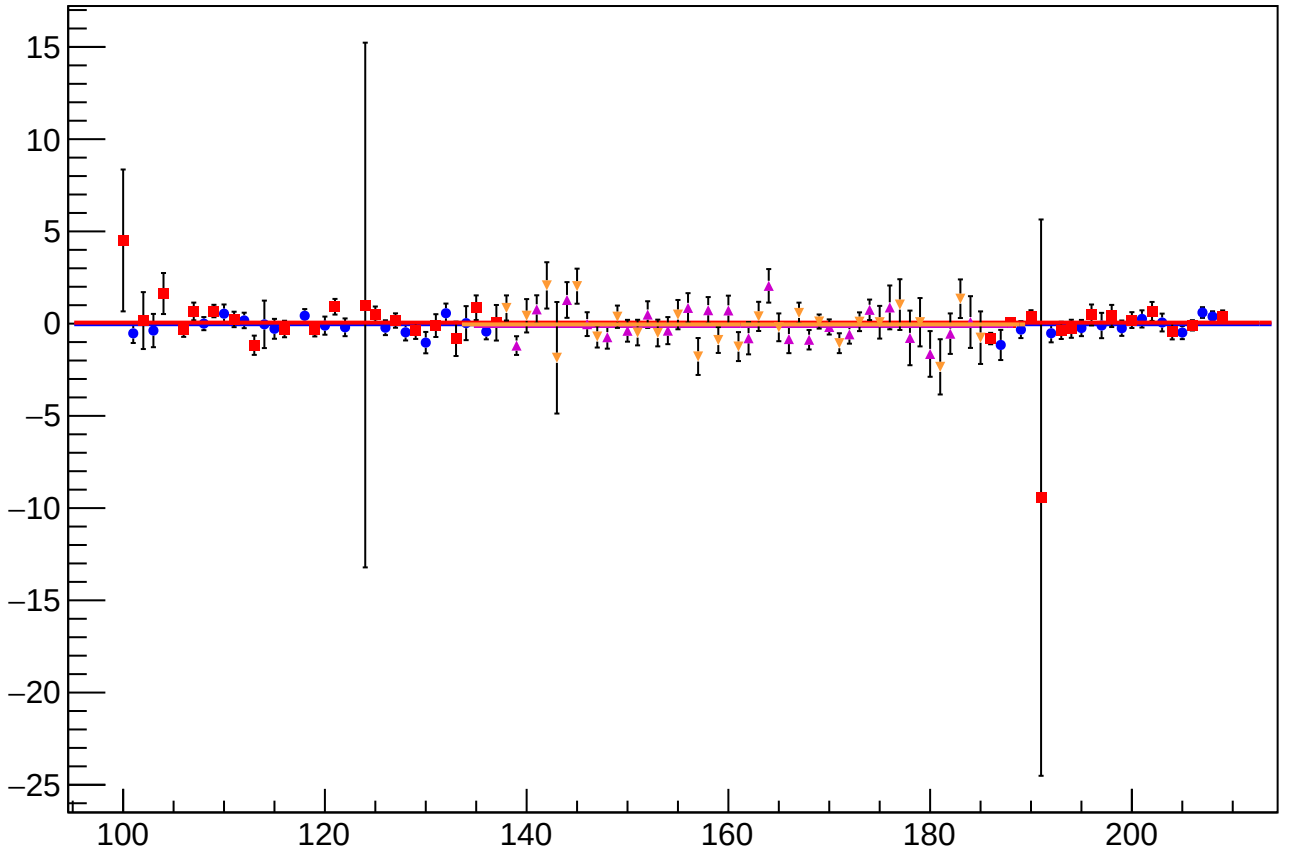
Left: 0.000+/-0.000 χ^2/NDF: 4998299.1/47

Right: 0.000+/-0.000 χ^2/NDF: 12554577.1/58

In: 0.000+/-0.000 χ^2/NDF:9582227.7/49

Out: 0.000+/-0.000 χ^2/NDF:10520782.0/56

All: 0.000+/-0.000 χ^2/NDF: 20107758.5/106



Right In: -0.031+/-0.087 χ^2/NDF: 23.6/26

Left Out: -0.041+/-0.148 χ^2/NDF:30.1/24

Right Out: 0.055+/-0.076 χ^2/NDF: 40.8/31

Left In: -0.128+/-0.145 χ^2/NDF:29.0/22

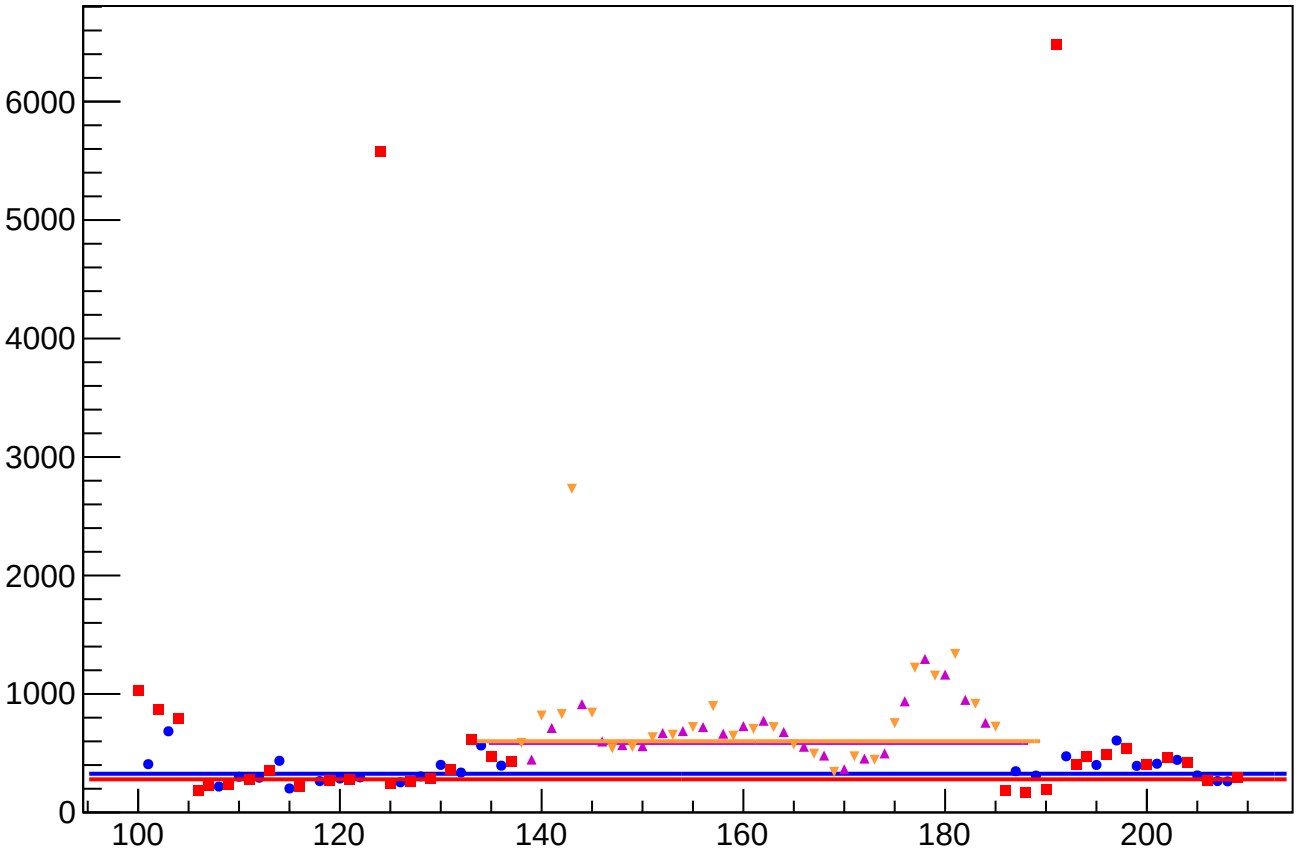
Left: -0.085+/-0.103 χ^2/NDF: 59.3/47

Right: 0.018+/-0.057 χ^2/NDF: 65.0/58

In: -0.057+/-0.075 χ^2/NDF:53.0/49

Out: 0.035+/-0.068 χ^2/NDF:71.3/56

All: -0.007+/-0.050 χ^2/NDF: 125.1/106



Right In: 326.650+/-0.062 χ^2/NDF: 2059519.6/26

Left Out: 601.214+/-0.104 χ^2/NDF:4460456.7/24

Right Out: 279.655+/-0.054 χ^2/NDF: 4988941.4/31

Left In: 586.817+/-0.103 χ^2/NDF:2934488.2/22

Left: 593.901+/-0.073 χ^2/NDF: 7404620.8/47

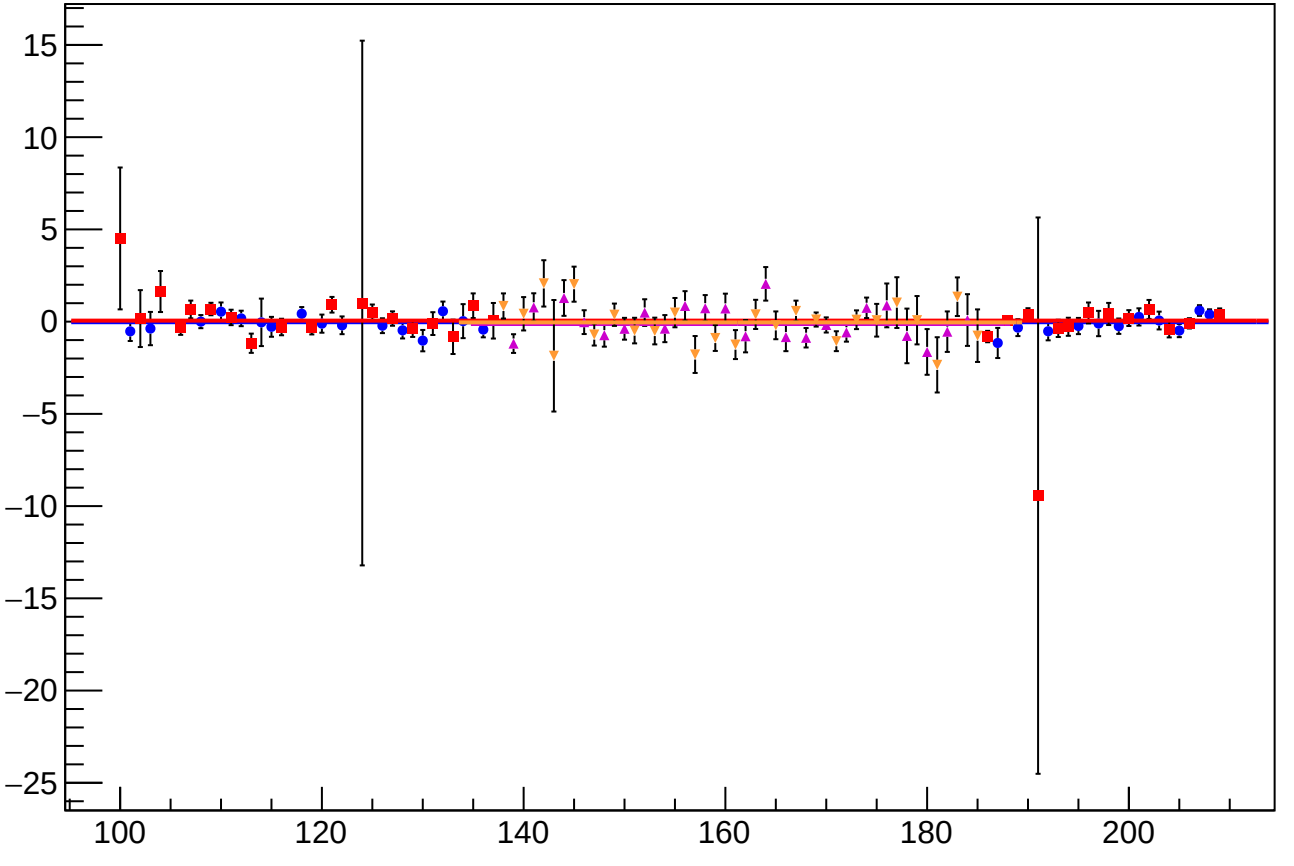
Right: 299.954+/-0.041 χ^2/NDF: 7378745.9/58

In: 395.565+/-0.053 χ^2/NDF:9714230.8/49

Out: 347.106+/-0.048 χ^2/NDF:16959169.0/56

All: 368.901+/-0.035 χ^2/NDF: 27136147.2/10

asym_at2_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.031+/-0.087 χ^2/NDF: 23.6/26

Left Out: -0.041+/-0.148 χ^2/NDF:30.1/24

Right Out: 0.055+/-0.076 χ^2/NDF: 40.8/31

Left In: -0.128+/-0.145 χ^2/NDF:29.0/22

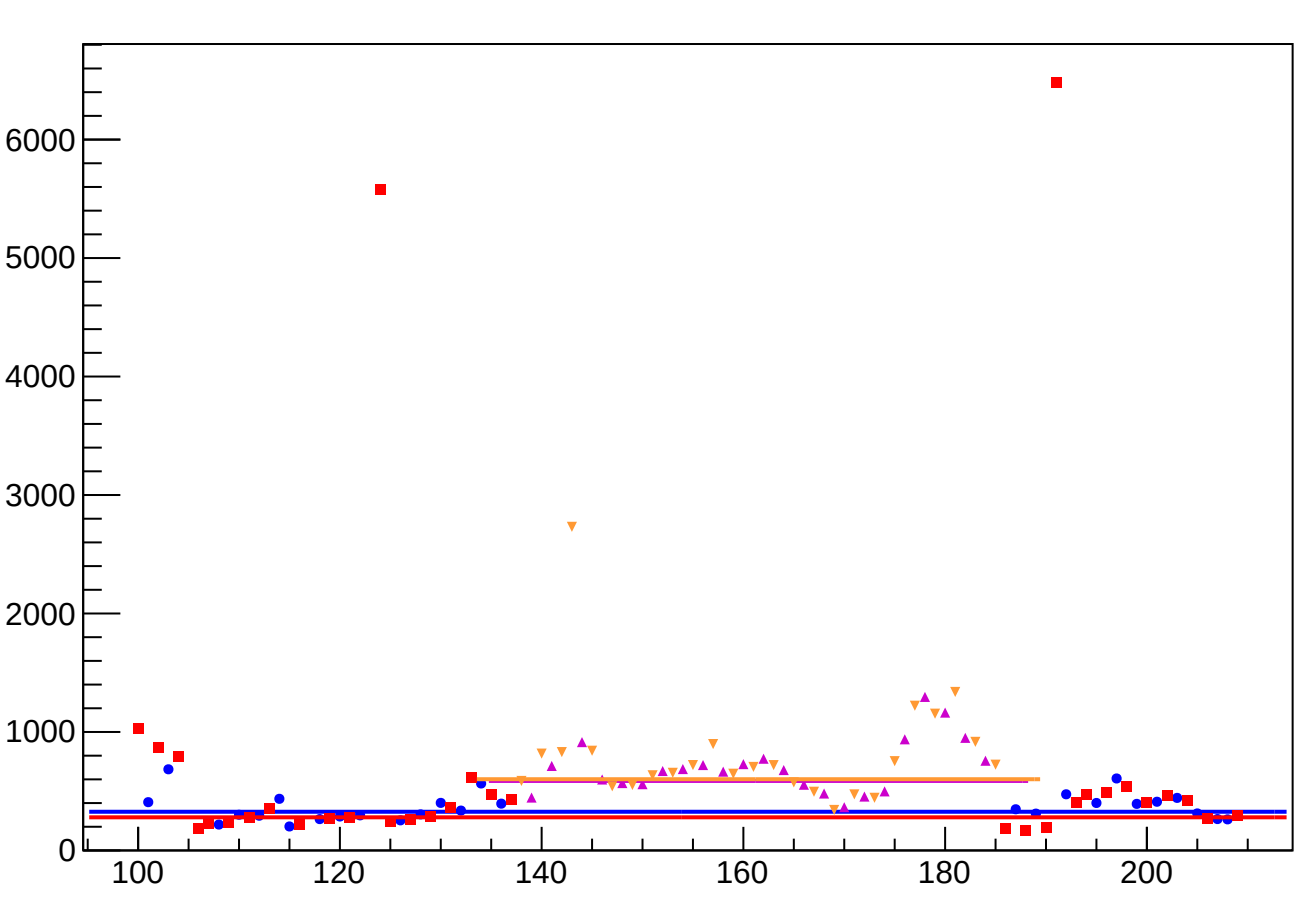
Left: -0.085+/-0.103 χ^2/NDF: 59.3/47

Right: 0.018+/-0.057 χ^2/NDF: 65.0/58

In: -0.057+/-0.075 χ^2/NDF:53.0/49

Out: 0.035+/-0.068 χ^2/NDF:71.3/56

All: -0.007+/-0.050 χ^2/NDF: 125.1/106



Right In: 326.650+/-0.062 χ^2/NDF: 2059519.6/26

Left Out: 601.214+/-0.104 χ^2/NDF:4460456.7/24

Right Out: 279.655+/-0.054 χ^2/NDF: 4988941.4/31

Left In: 586.817+/-0.103 χ^2/NDF:2934488.2/22

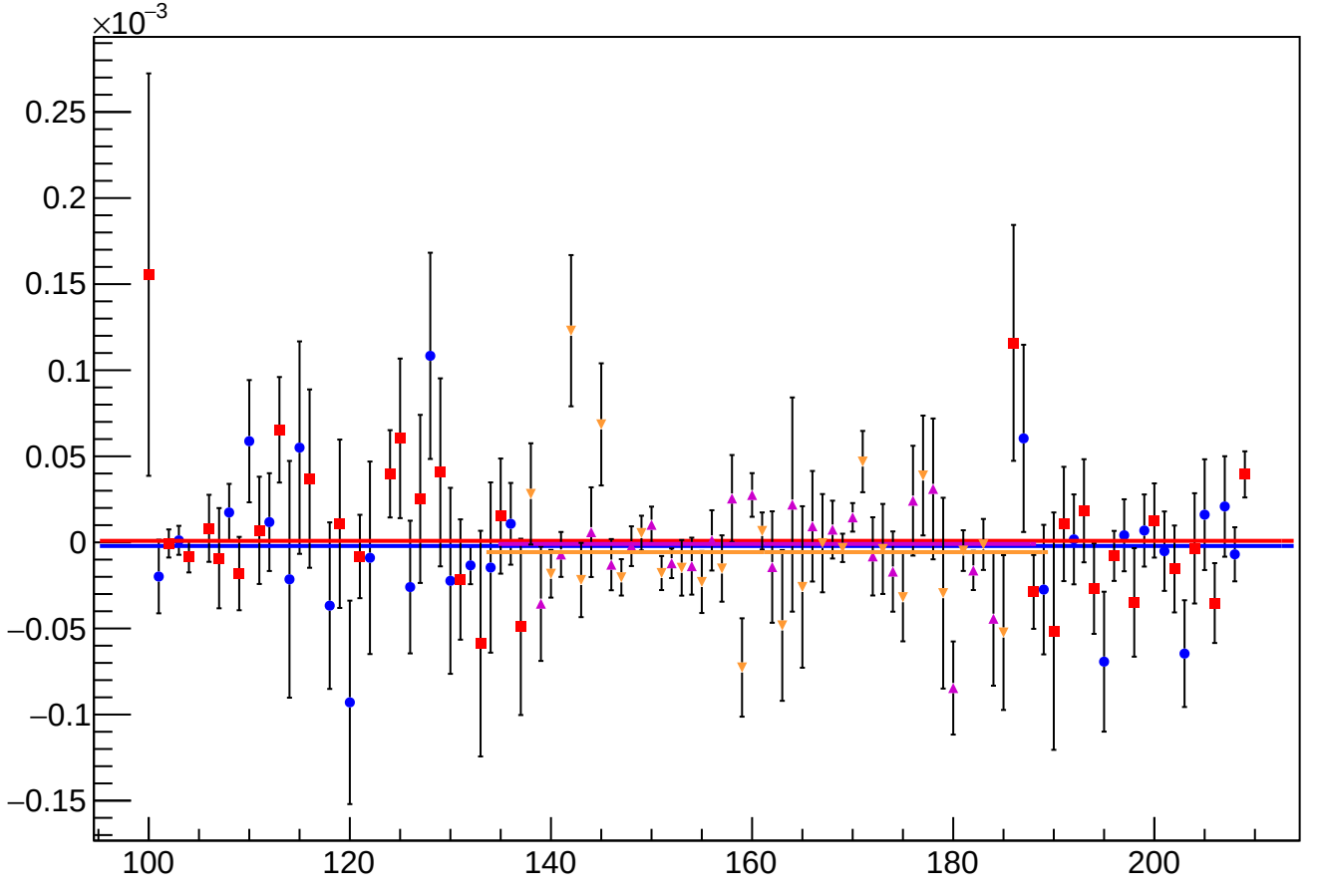
Left: 593.901+/-0.073 χ^2/NDF: 7404620.8/47

Right: 299.954+/-0.041 χ^2/NDF: 7378745.9/58

In: 395.565+/-0.053 χ^2/NDF:9714230.8/49

Out: 347.106+/-0.048 χ^2/NDF:16959169.0/56

All: 368.901+/-0.035 χ^2/NDF: 27136147.2/10



Right In: -0.000+/-0.000 χ^2/NDF: 24.5/26

Left Out: -0.000+/-0.000 χ^2/NDF:42.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 36.1/31

Left In: -0.000+/-0.000 χ^2/NDF:30.2/22

Left: -0.000+/-0.000 χ^2/NDF: 73.9/47

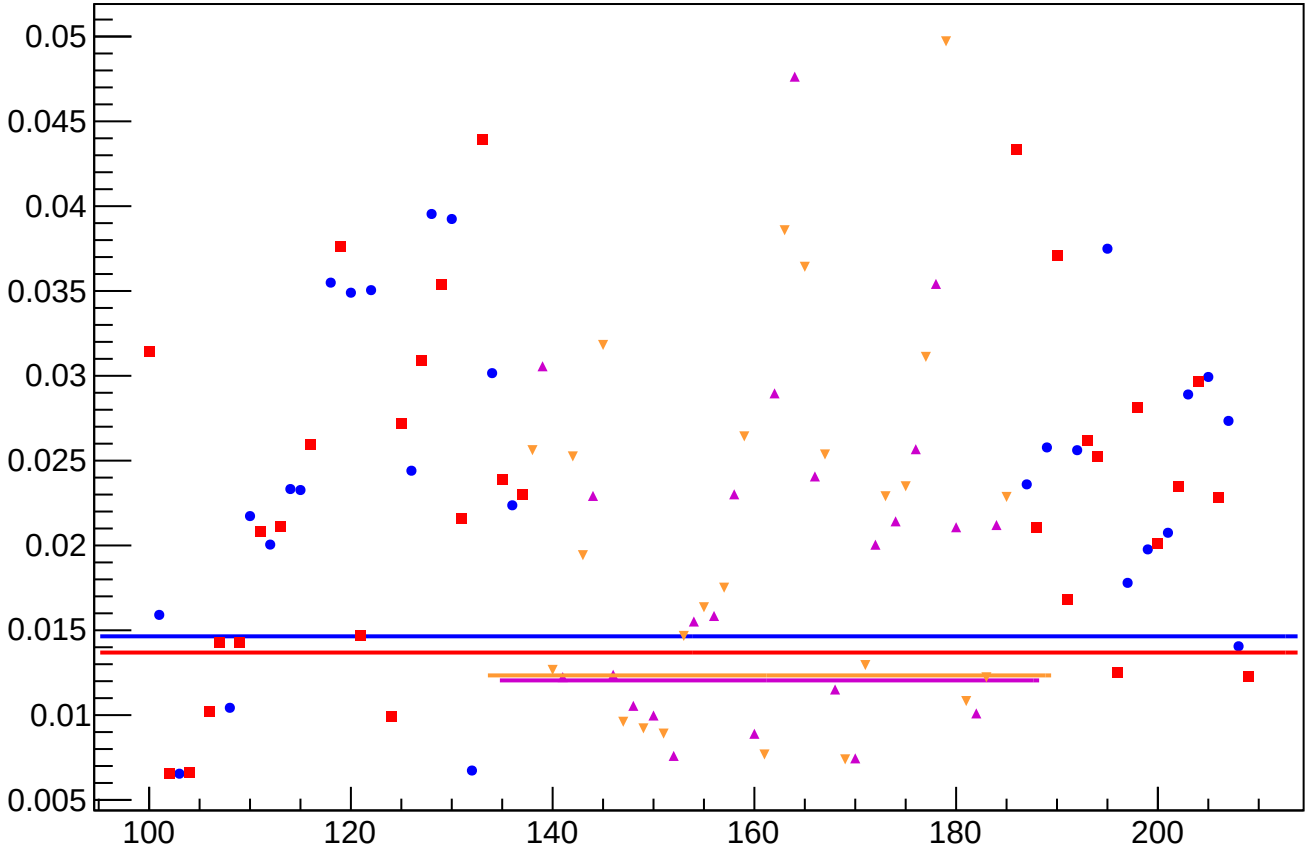
Right: -0.000+/-0.000 χ^2/NDF: 60.8/58

In: -0.000+/-0.000 χ^2/NDF:54.7/49

Out: -0.000+/-0.000 χ^2/NDF:80.4/56

All: -0.000+/-0.000 χ^2/NDF: 135.3/106

asym_at2_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.015+/-0.000 χ^2/NDF: 8203909.0/26

Left Out: 0.012+/-0.000 χ^2/NDF:7839123.8/24

Right Out: 0.014+/-0.000 χ^2/NDF: 8531818.8/31

Left In: 0.012+/-0.000 χ^2/NDF:6379401.9/22

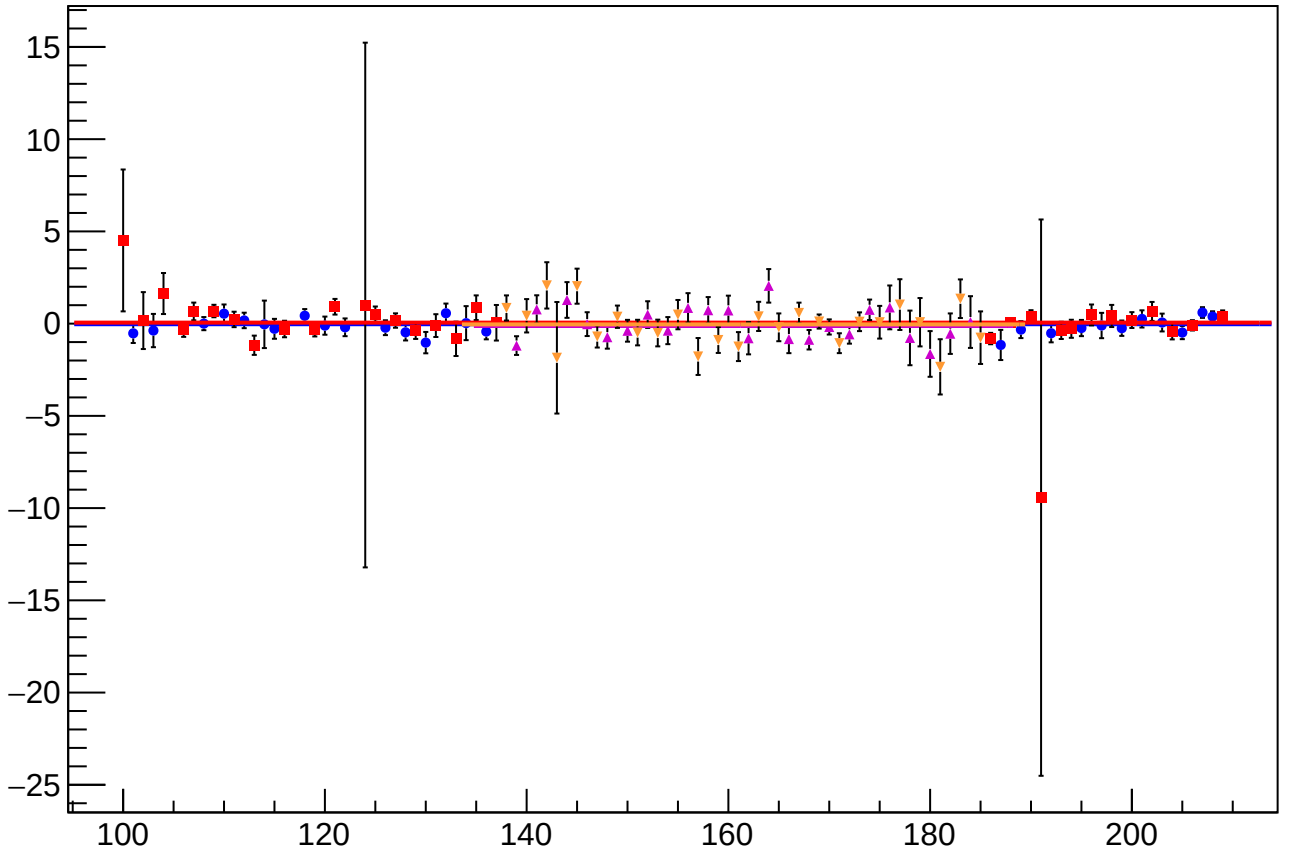
Left: 0.012+/-0.000 χ^2/NDF: 14226676.0/47

Right: 0.014+/-0.000 χ^2/NDF: 16789199.1/58

In: 0.013+/-0.000 χ^2/NDF:15034241.9/49

Out: 0.013+/-0.000 χ^2/NDF:16512975.8/56

All: 0.013+/-0.000 χ^2/NDF: 31548272.4/106



Right In: -0.031+/-0.087 χ^2/NDF: 23.6/26

Left Out: -0.041+/-0.148 χ^2/NDF:30.1/24

Right Out: 0.055+/-0.076 χ^2/NDF: 40.8/31

Left In: -0.128+/-0.145 χ^2/NDF:29.0/22

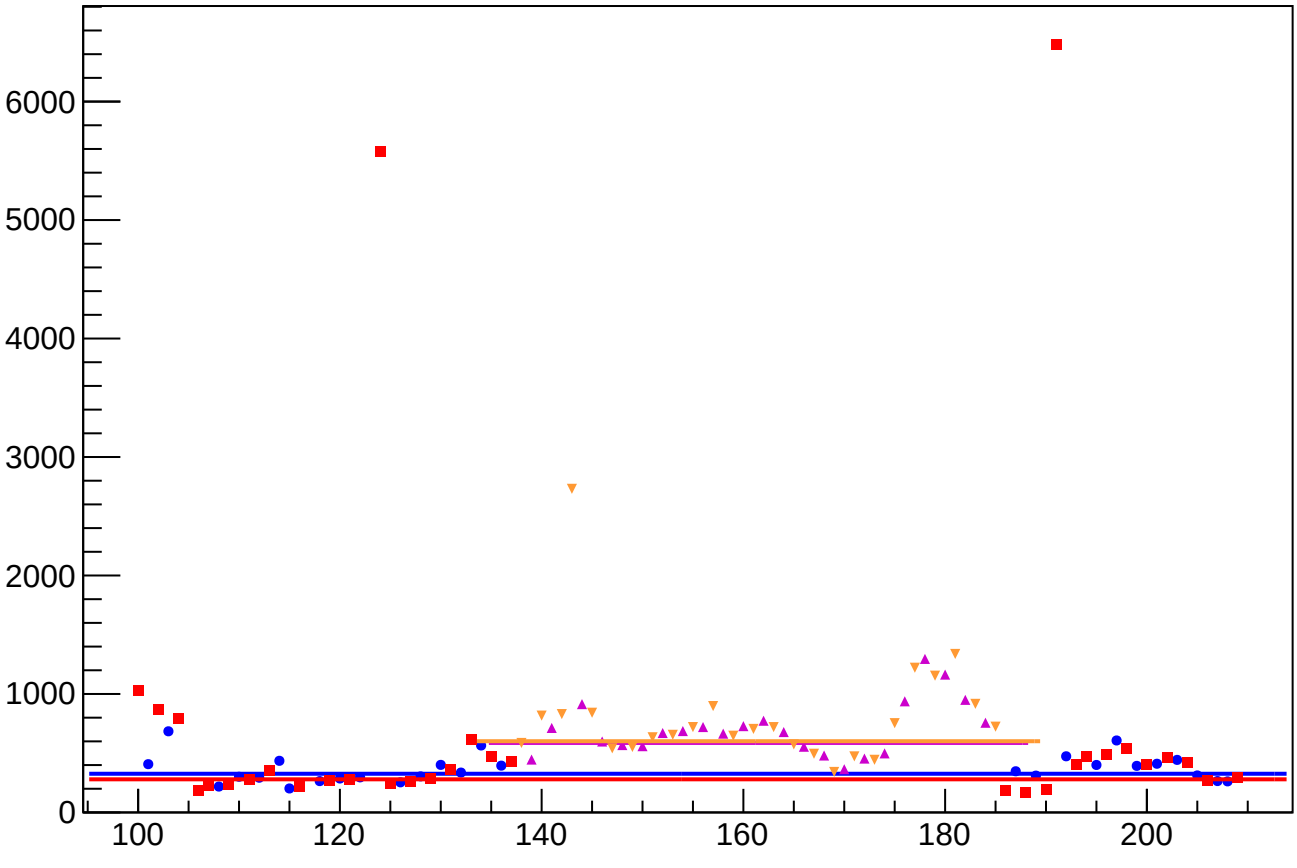
Left: -0.085+/-0.103 χ^2/NDF: 59.3/47

Right: 0.018+/-0.057 χ^2/NDF: 65.0/58

In: -0.057+/-0.075 χ^2/NDF:53.0/49

Out: 0.035+/-0.068 χ^2/NDF:71.3/56

All: -0.007+/-0.050 χ^2/NDF: 125.1/106



Right In: 326.649+/-0.062 χ^2/NDF: 2059498.0/26

Left Out: 601.214+/-0.104 χ^2/NDF:4460662.1/24

Right Out: 279.649+/-0.054 χ^2/NDF: 4989271.3/31

Left In: 586.820+/-0.103 χ^2/NDF:2934613.3/22

Left: 593.903+/-0.073 χ^2/NDF: 7404947.7/47

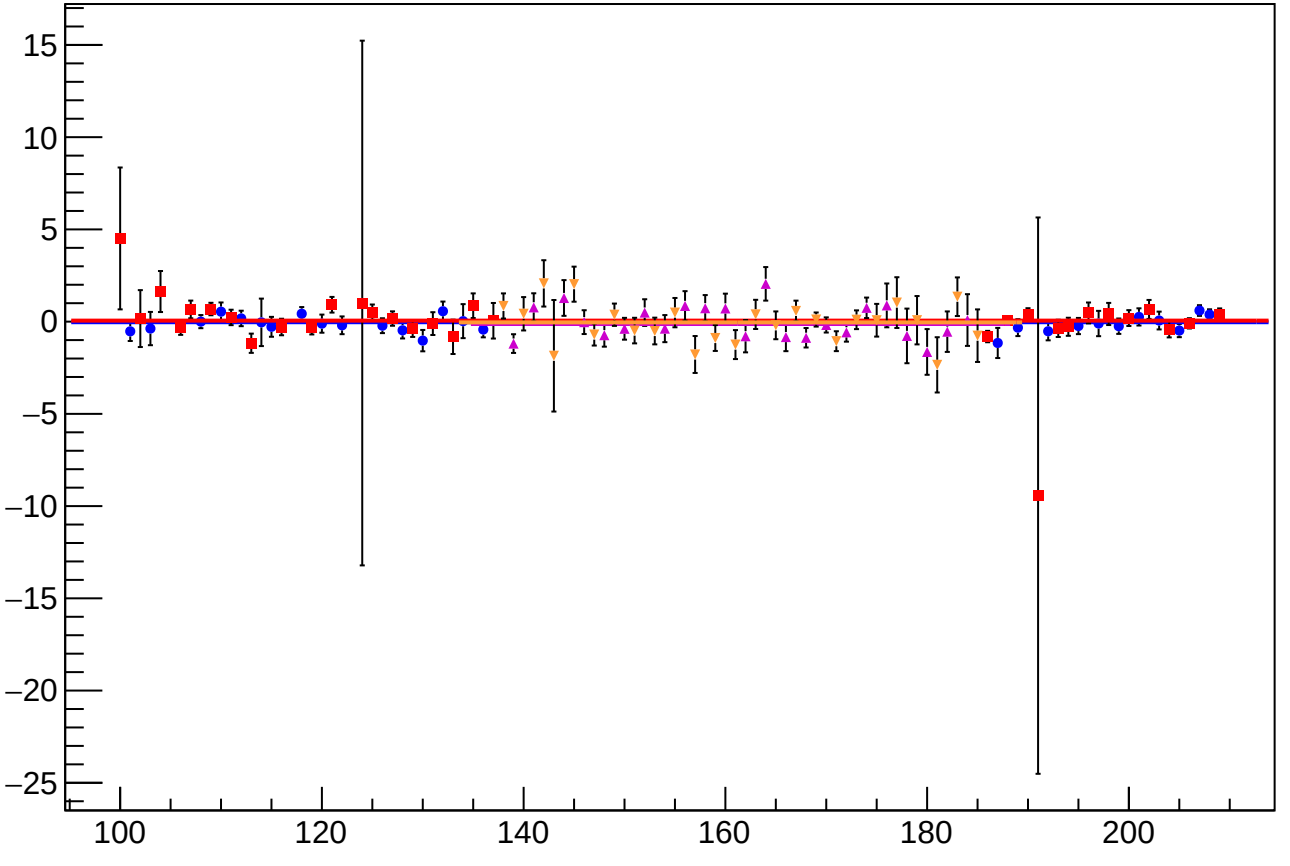
Right: 299.950+/-0.041 χ^2/NDF: 7379133.6/58

In: 395.565+/-0.053 χ^2/NDF:9714412.7/49

Out: 347.100+/-0.048 χ^2/NDF:16959993.1/56

All: 368.897+/-0.035 χ^2/NDF: 27137270.5/10

asym_at2_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.031+/-0.087 χ^2/NDF: 23.6/26

Left Out: -0.041+/-0.148 χ^2/NDF:30.1/24

Right Out: 0.055+/-0.076 χ^2/NDF: 40.8/31

Left In: -0.128+/-0.145 χ^2/NDF:29.0/22

Left: -0.085+/-0.103 χ^2/NDF: 59.3/47

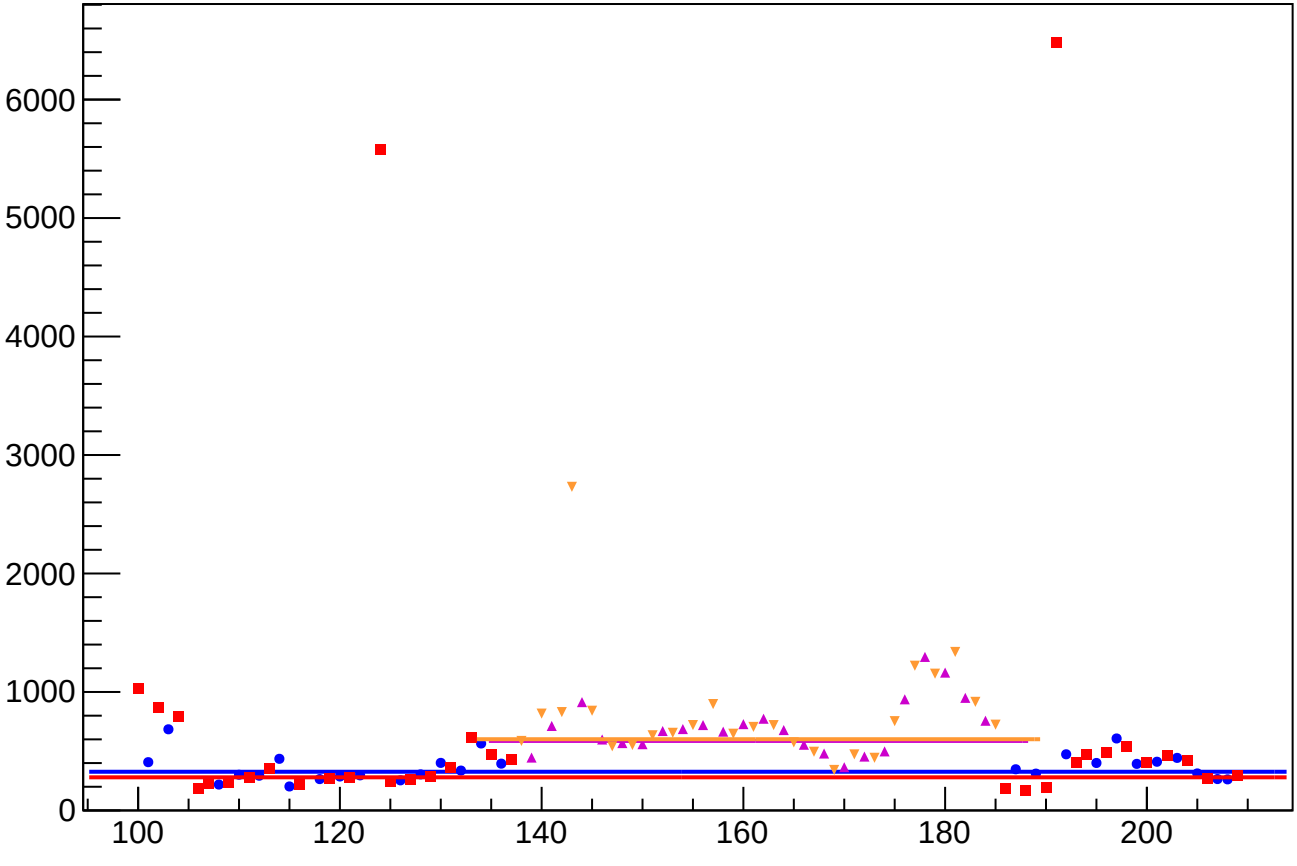
Right: 0.018+/-0.057 χ^2/NDF: 65.0/58

In: -0.057+/-0.075 χ^2/NDF:53.0/49

Out: 0.035+/-0.068 χ^2/NDF:71.3/56

All: -0.007+/-0.050 χ^2/NDF: 125.1/106

asym_at2_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 326.649+/-0.062 χ^2/NDF: 2059498.0/26

Left Out: 601.214+/-0.104 χ^2/NDF:4460662.1/24

Right Out: 279.649+/-0.054 χ^2/NDF: 4989271.3/31

Left In: 586.820+/-0.103 χ^2/NDF:2934613.3/22

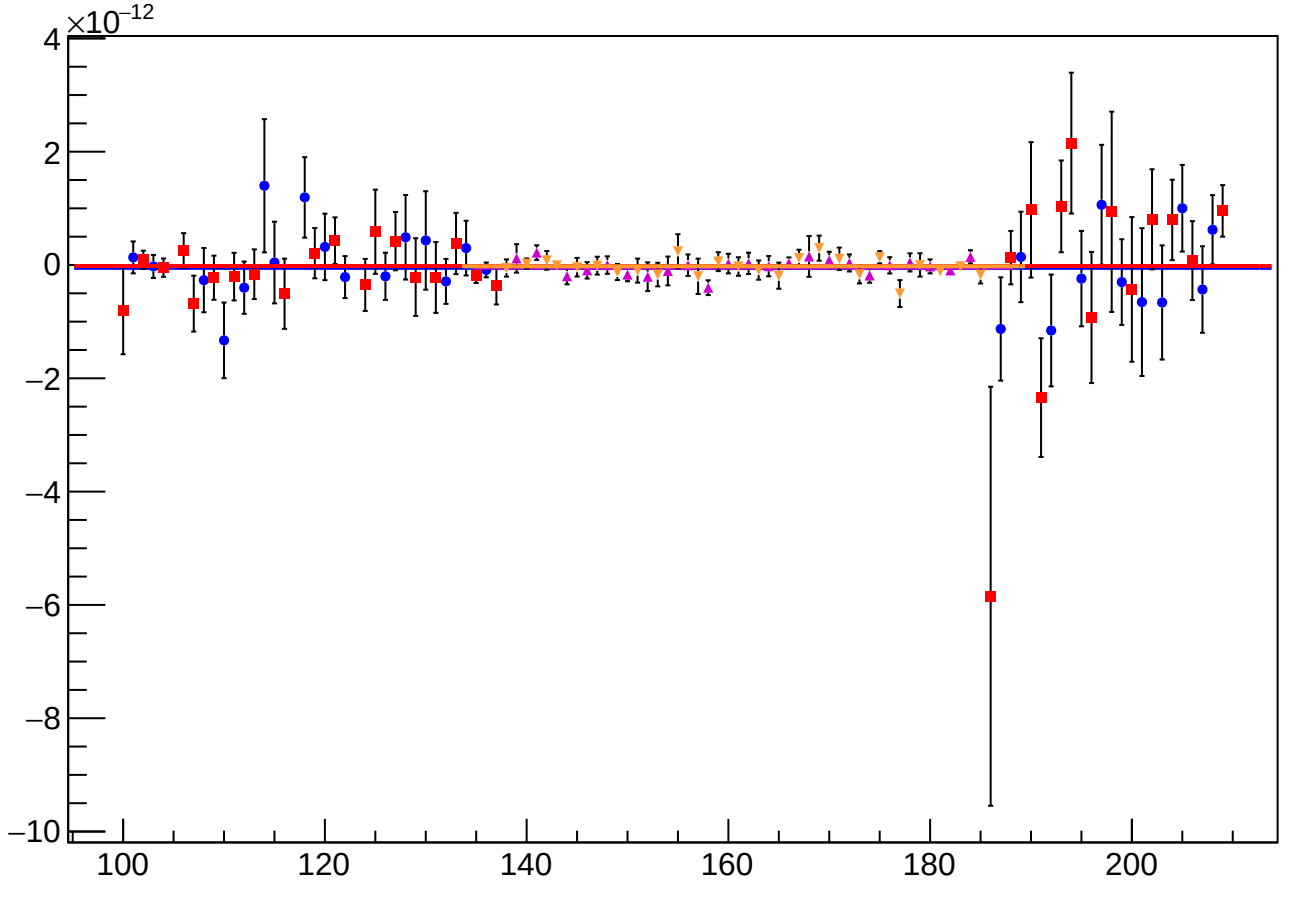
Left: 593.903+/-0.073 χ^2/NDF: 7404947.7/47

Right: 299.950+/-0.041 χ^2/NDF: 7379133.6/58

In: 395.565+/-0.053 χ^2/NDF:9714412.7/49

Out: 347.100+/-0.048 χ^2/NDF:16959993.1/56

All: 368.897+/-0.035 χ^2/NDF: 27137270.5/10



Right In: -0.000+/-0.000 χ^2/NDF: 19.9/26

Left Out: -0.000+/-0.000 χ^2/NDF:16.4/24

Right Out: -0.000+/-0.000 χ^2/NDF: 32.5/31

Left In: -0.000+/-0.000 χ^2/NDF:22.0/22

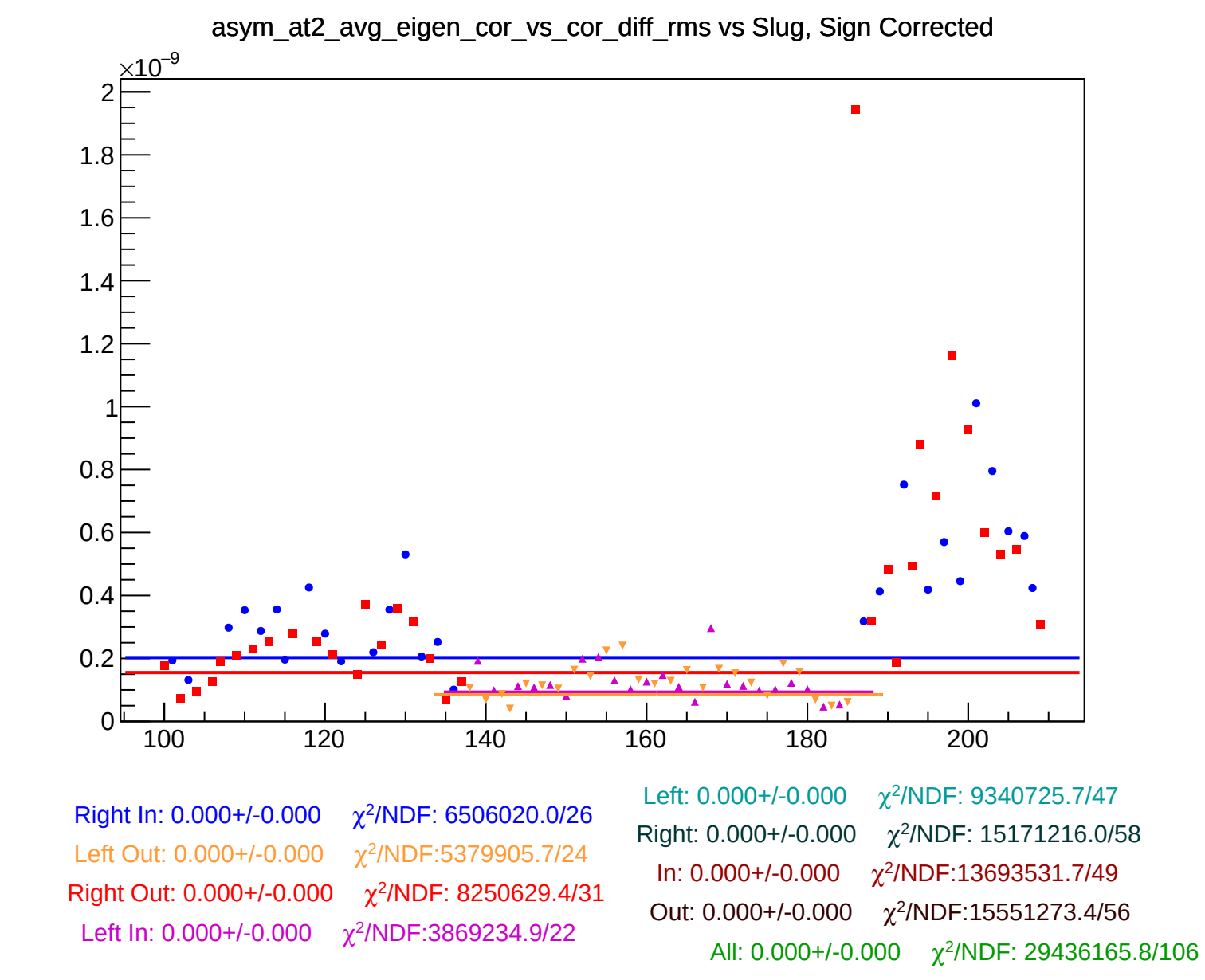
Left: -0.000+/-0.000 χ^2/NDF: 38.7/47

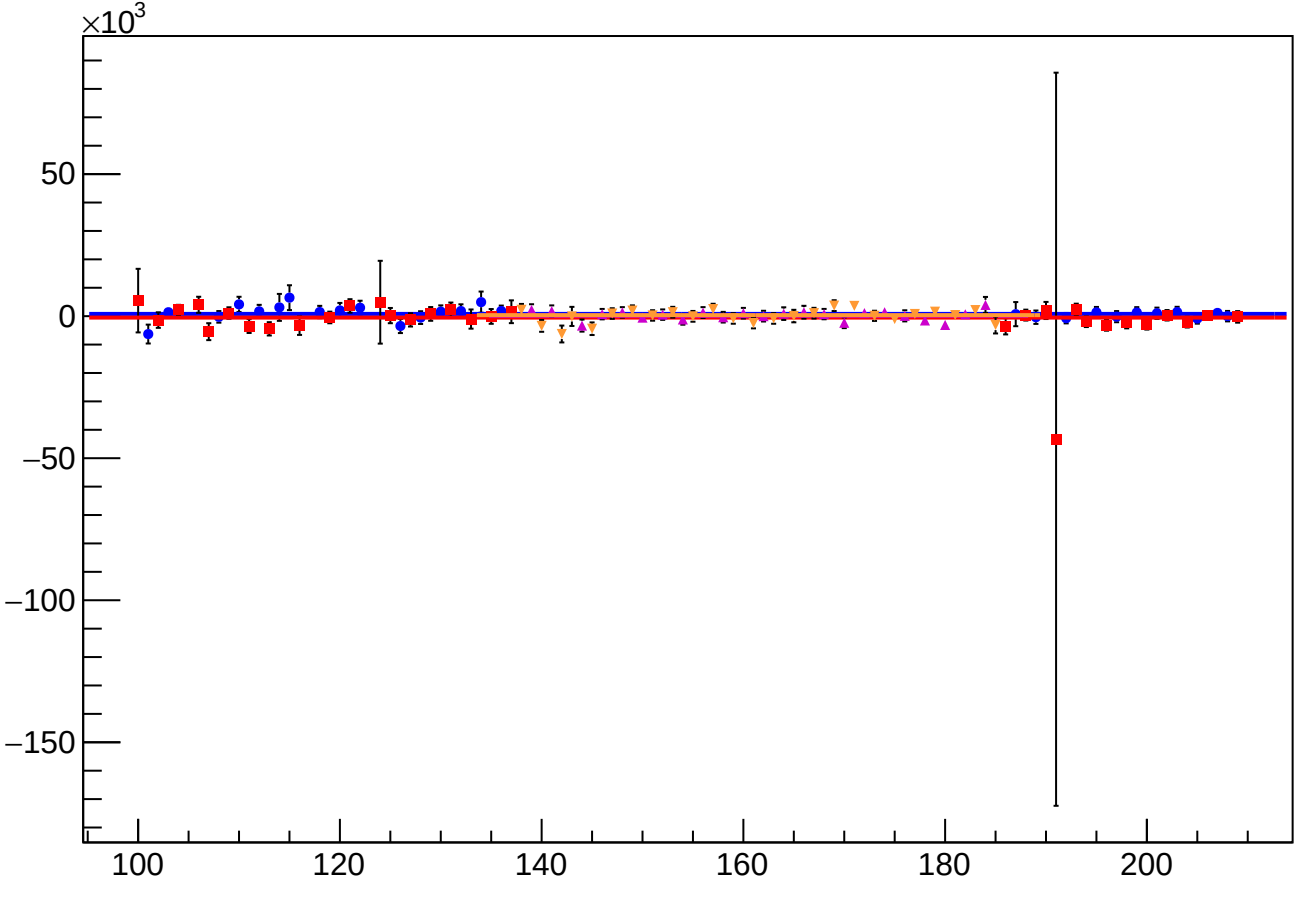
Right: -0.000+/-0.000 χ^2/NDF: 52.5/58

In: -0.000+/-0.000 χ^2/NDF:41.9/49

Out: -0.000+/-0.000 χ^2/NDF:48.9/56

All: -0.000+/-0.000 χ^2/NDF: 91.2/106


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
Right In: 0.000+/-0.000 χ²/NDF: 6506020.0/26
Left Out: 0.000+/-0.000 χ²/NDF:5379905.7/24
Right Out: 0.000+/-0.000 χ²/NDF: 8250629.4/31
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: 15171216.0/58
In: 0.000+/-0.000 χ²/NDF:13693531.7/49
Out: 0.000+/-0.000 χ²/NDF:15551273.4/56
All: 0.000+/-0.000 χ²/NDF: 29436165.8/106



Right In: 796.791+/-423.533 χ^2/NDF: 17.3/26

Left Out: 361.645+/-388.131 χ^2/NDF:29.6/24

Right Out: -501.044+/-414.259 χ^2/NDF: 28.9/31

Left In: 157.028+/-394.257 χ^2/NDF:16.0/22

Left: 260.939+/-276.591 χ^2/NDF: 45.7/47

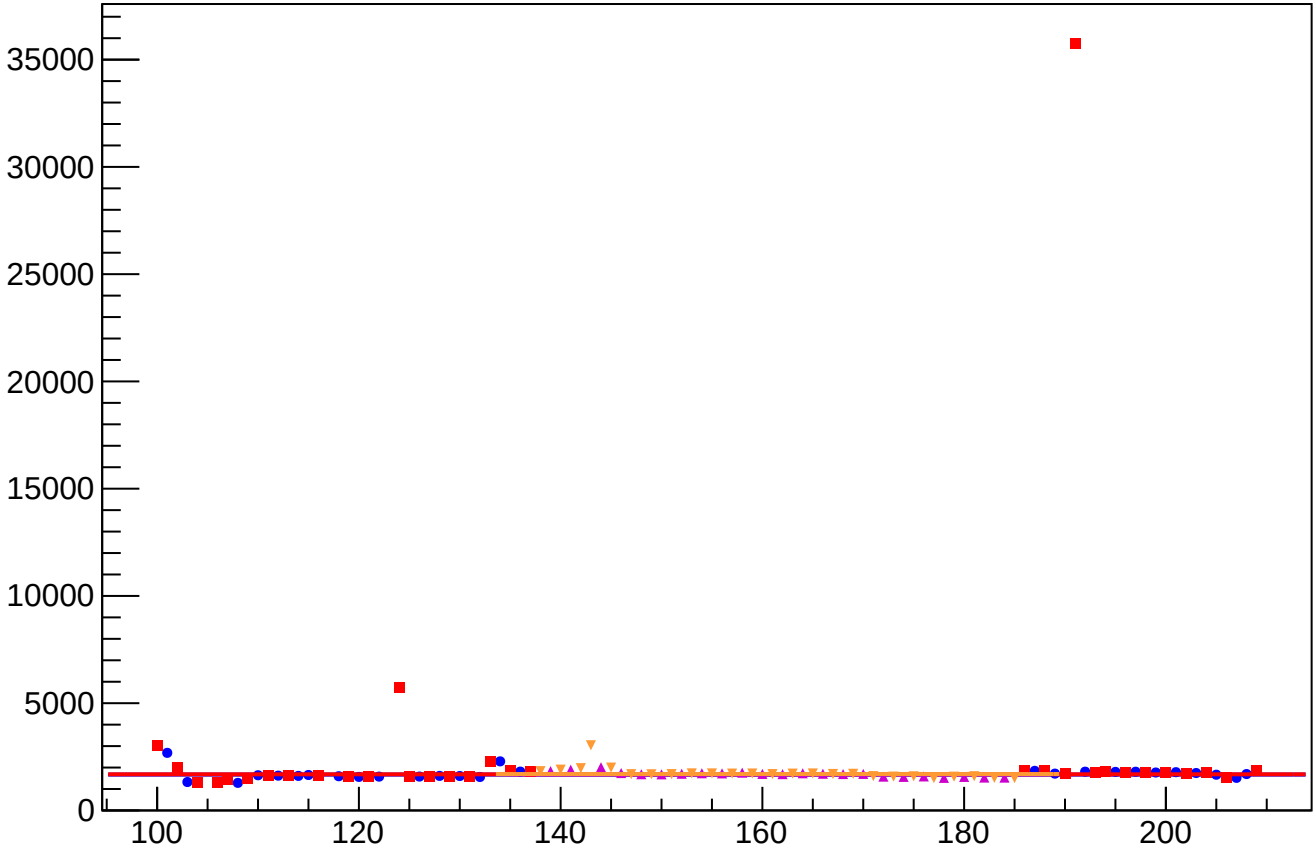
Right: 133.510+/-296.150 χ^2/NDF: 51.0/58

In: 454.037+/-288.577 χ^2/NDF:34.6/49

Out: -41.638+/-283.237 χ^2/NDF:60.8/56

All: 201.571+/-202.140 χ^2/NDF: 96.9/106

reg_asym_at2_dd_rms vs Slug, Sign Corrected



Right In: 1670.973+/-0.299 χ^2/NDF: 488631.5/26

Left Out: 1697.496+/-0.274 χ^2/NDF:495397.9/24

Right Out: 1685.365+/-0.293 χ^2/NDF: 709381.7/31

Left In: 1684.577+/-0.279 χ^2/NDF:165355.7/22

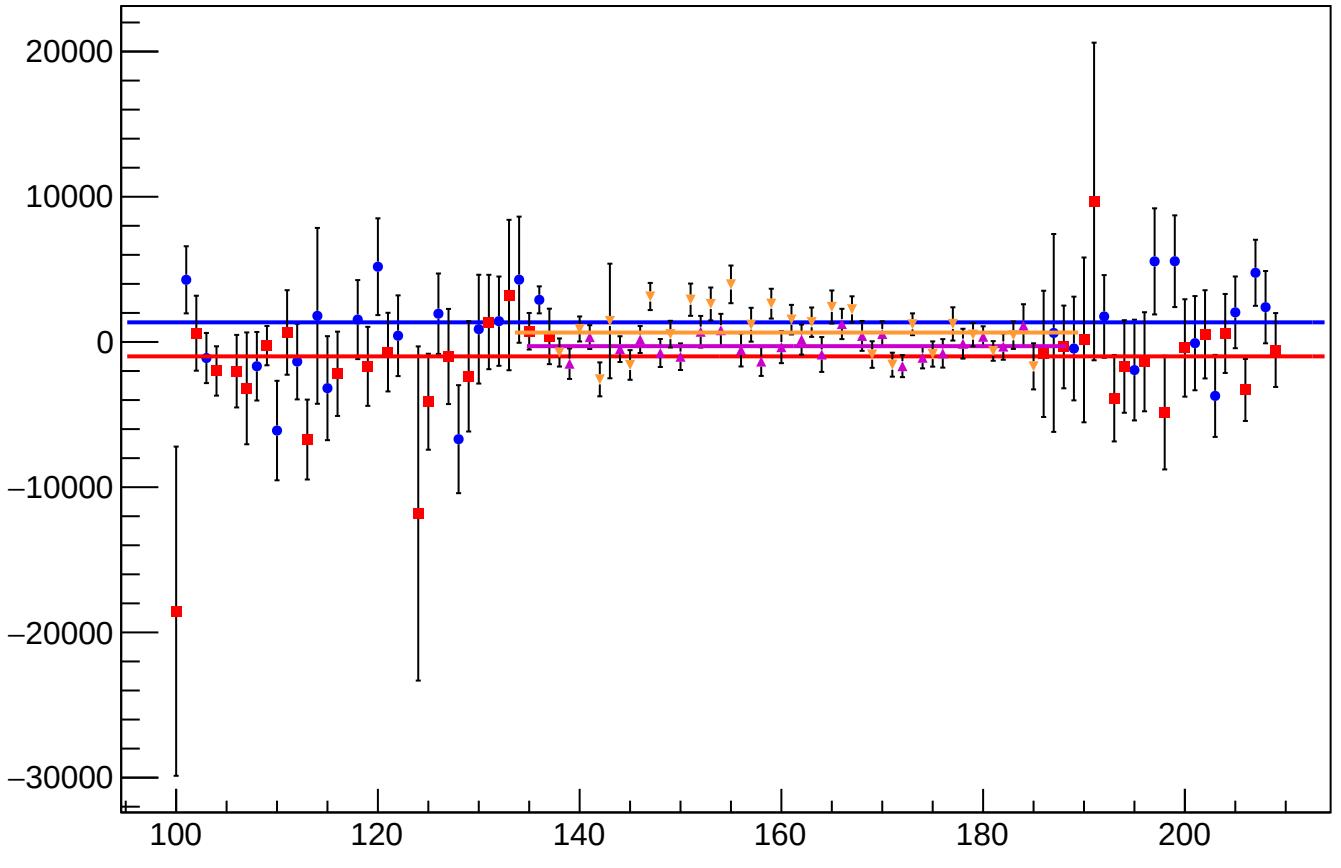
Left: 1691.137+/-0.196 χ^2/NDF: 661844.1/47

Right: 1678.328+/-0.209 χ^2/NDF: 1199193.4/58

In: 1678.261+/-0.204 χ^2/NDF:655092.7/49

Out: 1691.825+/-0.200 χ^2/NDF:1205692.9/56

All: 1685.170+/-0.143 χ^2/NDF: 1863035.9/10



Right In: 1351.905+/-487.778 χ^2/NDF: 32.3/26

Left Out: 649.165+/-195.671 χ^2/NDF:65.5/24

Right Out: -991.630+/-471.255 χ^2/NDF: 19.2/31

Left In: -288.616+/-198.494 χ^2/NDF:16.6/22

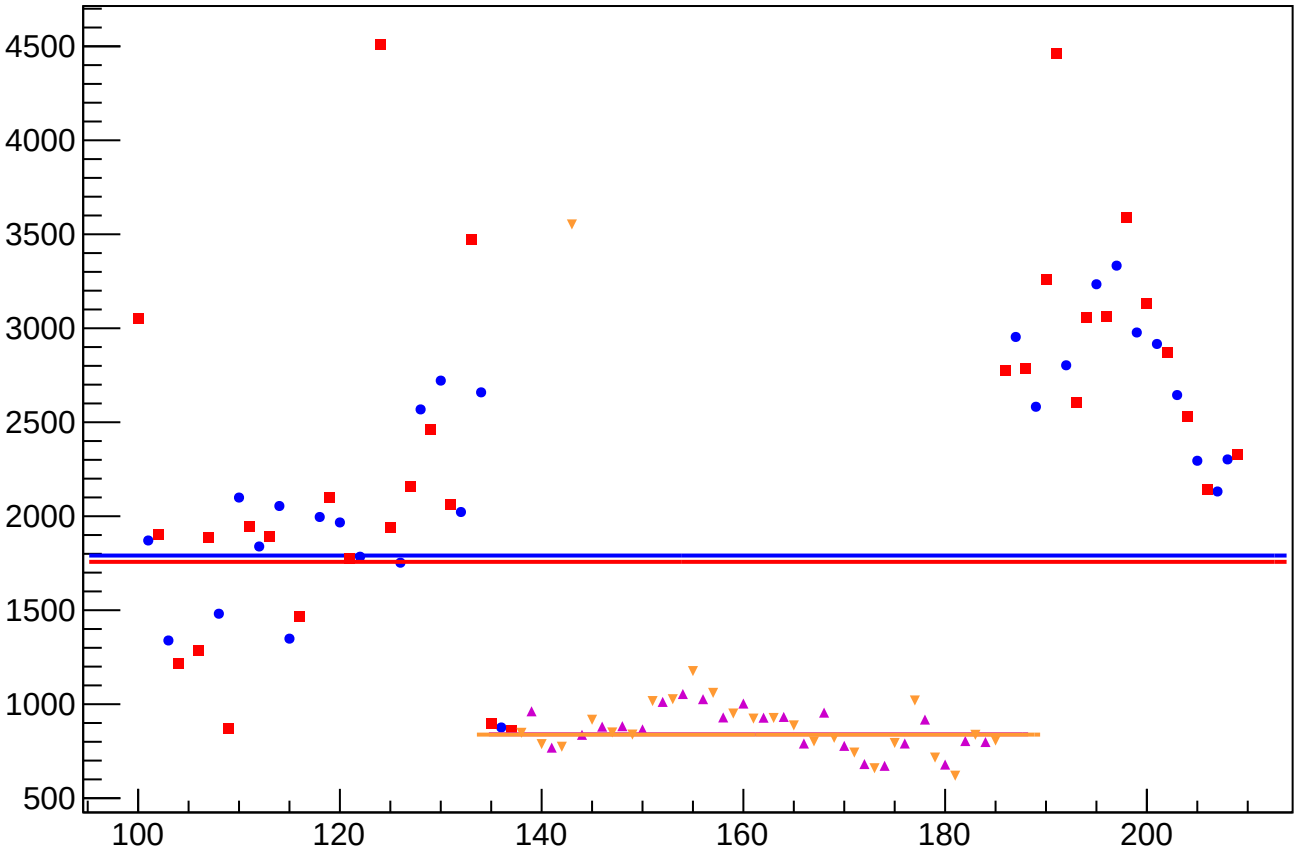
Left: 186.992+/-139.348 χ^2/NDF: 93.4/47

Right: 139.772+/-338.918 χ^2/NDF: 63.4/58

In: -55.547+/-183.854 χ^2/NDF:58.5/49

Out: 407.887+/-180.712 χ^2/NDF:95.0/56

All: 180.164+/-128.879 χ^2/NDF: 156.8/106



Right In: 1790.865+/-0.345 χ^2/NDF: 4508267.0/26

Left Out: 838.243+/-0.138 χ^2/NDF:1800245.5/24

Right Out: 1757.322+/-0.333 χ^2/NDF: 5858969.2/31

Left In: 839.976+/-0.140 χ^2/NDF:669341.7/22

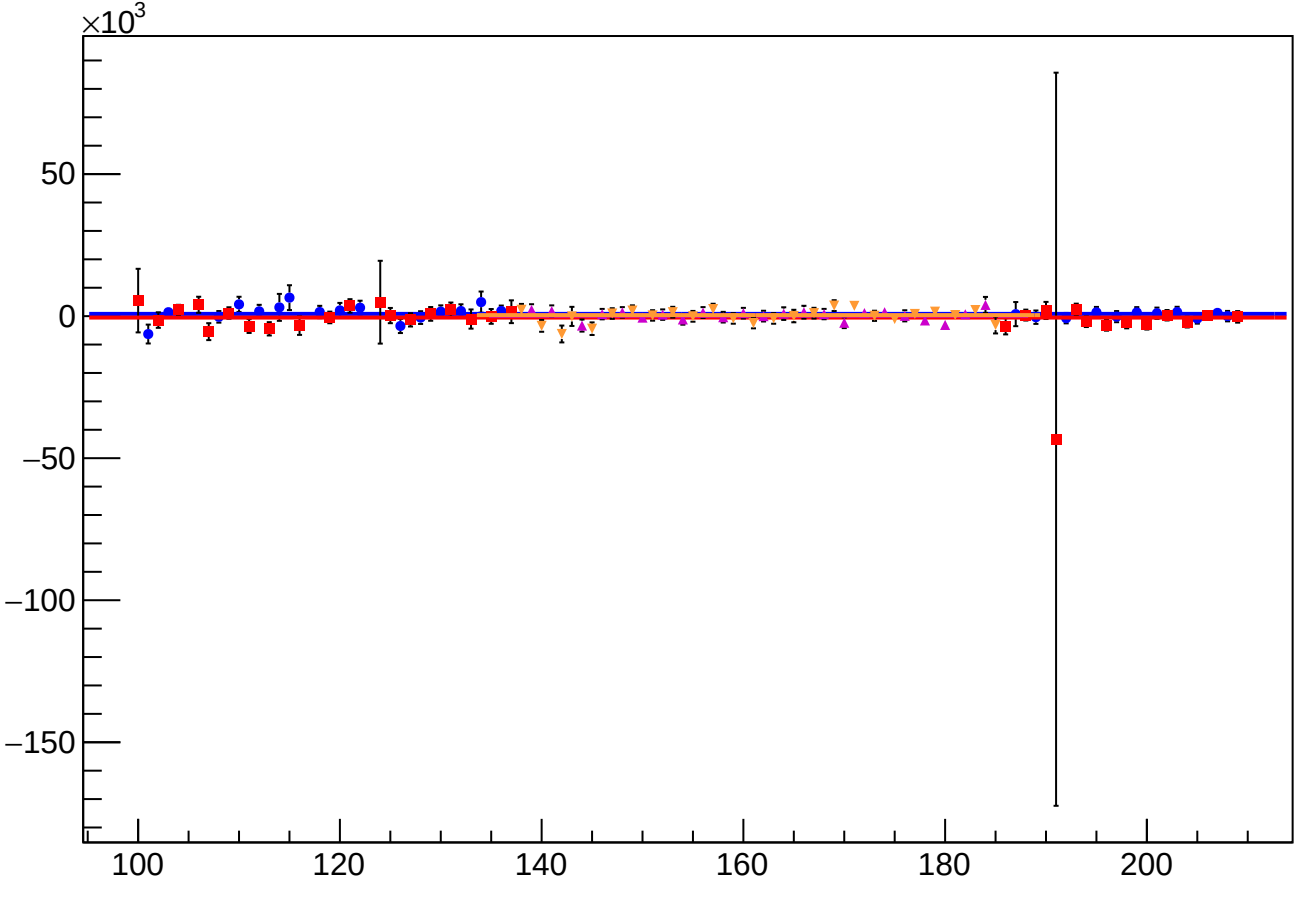
Left: 839.097+/-0.099 χ^2/NDF: 2469664.6/47

Right: 1773.516+/-0.240 χ^2/NDF: 10372128.2/58

In: 975.069+/-0.130 χ^2/NDF:11698356.1/49

Out: 973.393+/-0.128 χ^2/NDF:14147774.6/56

All: 974.216+/-0.091 χ^2/NDF: 25846215.3/10



Right In: 796.841+/-423.533 χ^2/NDF: 17.3/26

Left Out: 361.560+/-388.131 χ^2/NDF:29.6/24

Right Out: -501.181+/-414.259 χ^2/NDF: 28.9/31

Left In: 156.934+/-394.258 χ^2/NDF:16.0/22

Left: 260.849+/-276.591 χ^2/NDF: 45.7/47

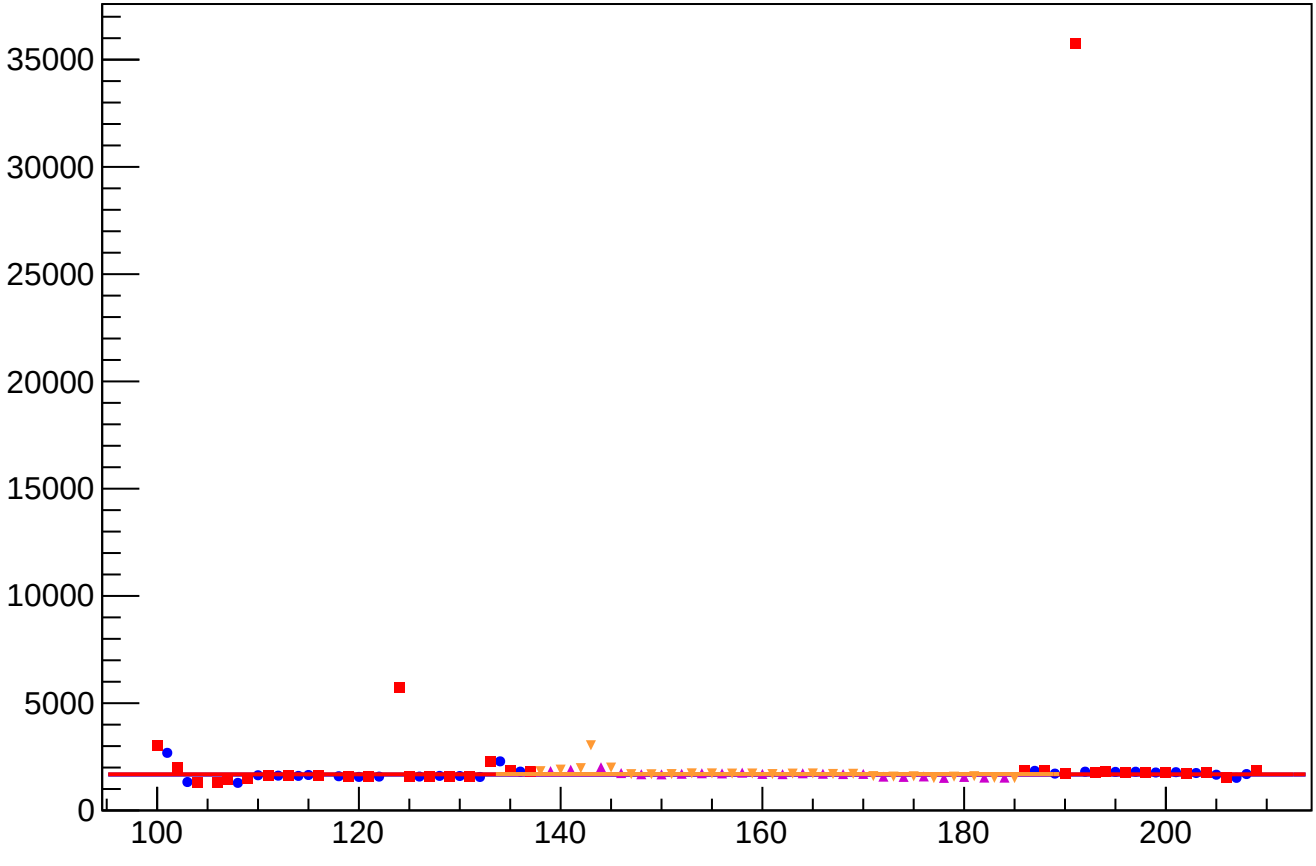
Right: 133.465+/-296.150 χ^2/NDF: 51.0/58

In: 454.010+/-288.577 χ^2/NDF:34.6/49

Out: -41.747+/-283.237 χ^2/NDF:60.8/56

All: 201.502+/-202.140 χ^2/NDF: 96.9/106

cor_asym_at2_dd_rms vs Slug, Sign Corrected



Right In: 1670.973+/-0.299 χ^2/NDF: 488631.9/26

Left Out: 1697.496+/-0.274 χ^2/NDF:495397.9/24

Right Out: 1685.364+/-0.293 χ^2/NDF: 709381.8/31

Left In: 1684.577+/-0.279 χ^2/NDF:165355.7/22

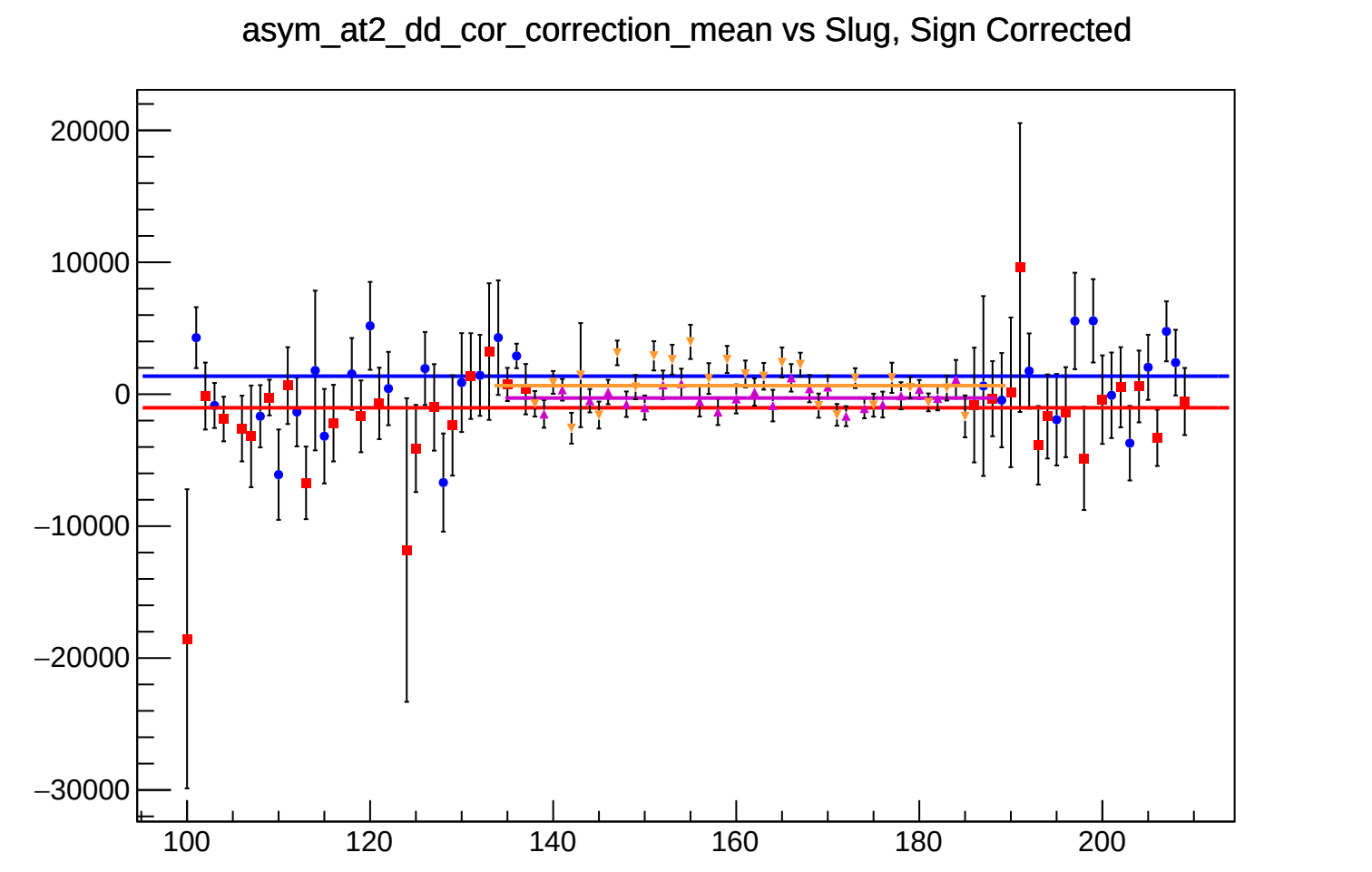
Left: 1691.137+/-0.196 χ^2/NDF: 661844.0/47

Right: 1678.328+/-0.209 χ^2/NDF: 1199193.9/58

In: 1678.261+/-0.204 χ^2/NDF:655093.0/49

Out: 1691.825+/-0.200 χ^2/NDF:1205693.0/56

All: 1685.170+/-0.143 χ^2/NDF: 1863036.3/10



Right In: 1367.836+/-487.286 χ^2/NDF: 31.9/26

Left Out: 649.165+/-195.673 χ^2/NDF:65.5/24

Right Out: -1028.414+/-470.789 χ^2/NDF: 19.1/31

Left In: -288.602+/-198.495 χ^2/NDF:16.6/22

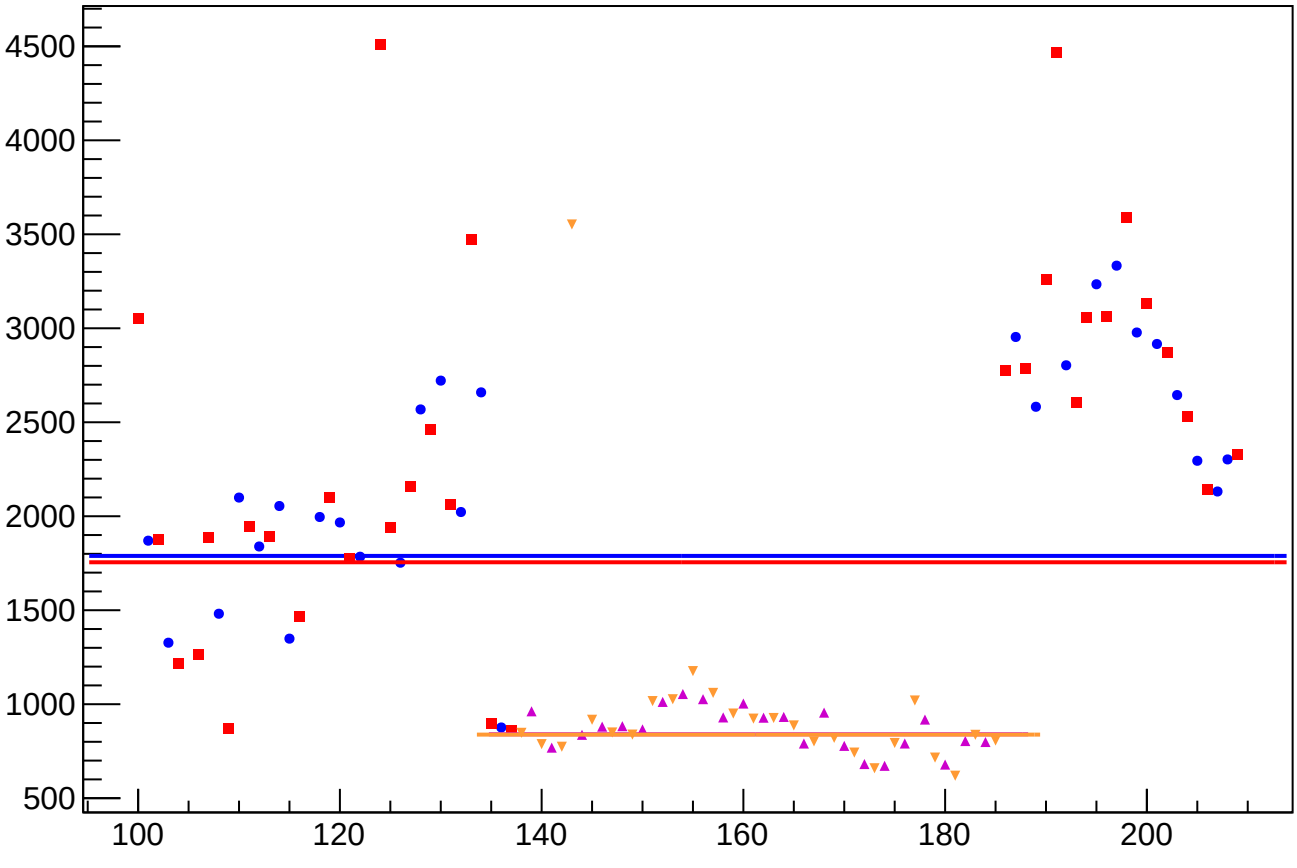
Left: 186.994+/-139.349 χ^2/NDF: 93.4/47

Right: 128.461+/-338.580 χ^2/NDF: 63.5/58

In: -52.863+/-183.828 χ^2/NDF:58.4/49

Out: 402.056+/-180.688 χ^2/NDF:95.4/56

All: 178.515+/-128.861 χ^2/NDF: 156.9/106



Right In: 1788.980+/-0.345 χ^2/NDF: 4518906.1/26

Left Out: 838.254+/-0.138 χ^2/NDF:1800138.0/24

Right Out: 1755.114+/-0.333 χ^2/NDF: 5867420.5/31

Left In: 839.978+/-0.140 χ^2/NDF:669338.3/22

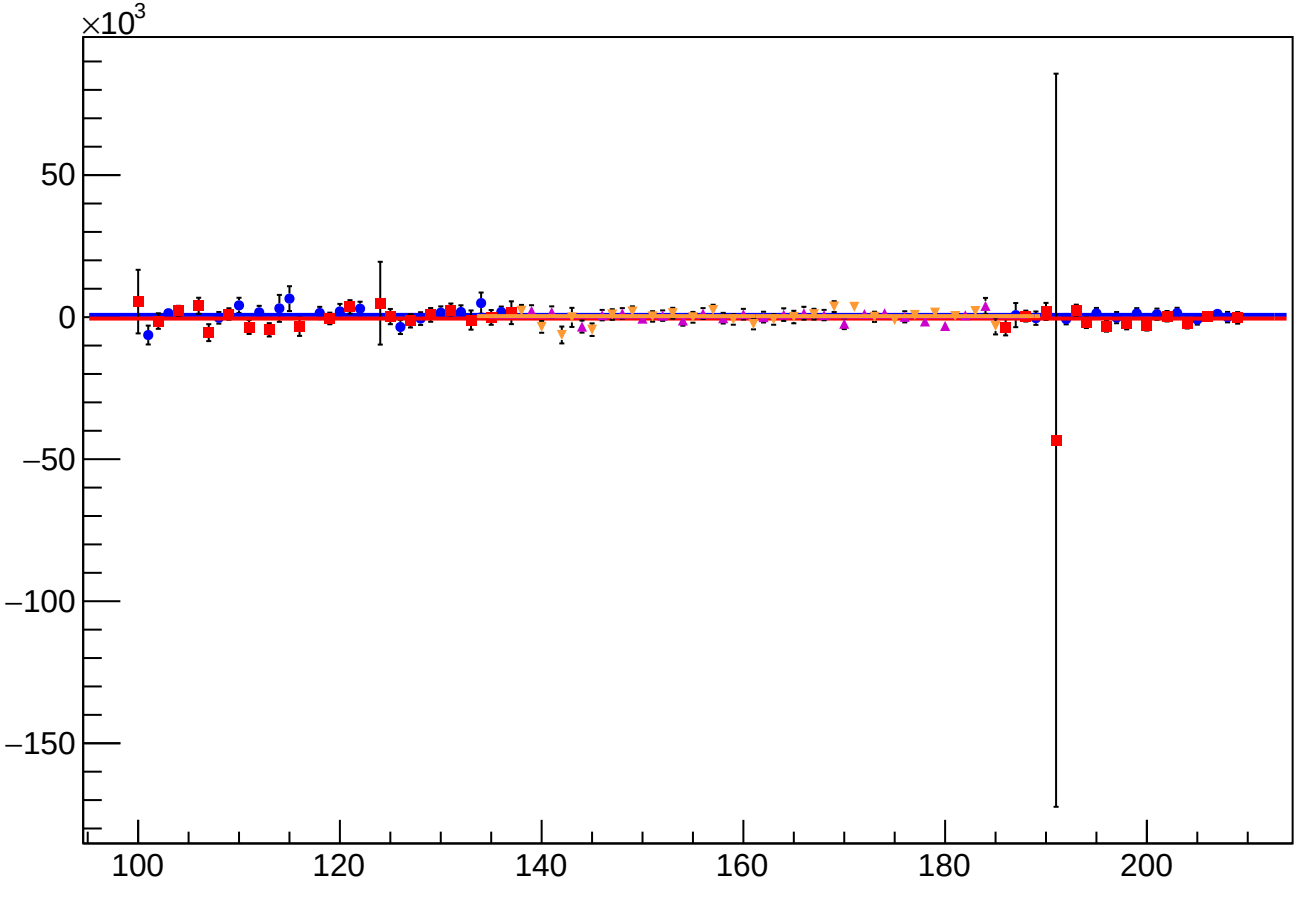
Left: 839.104+/-0.099 χ^2/NDF: 2469552.9/47

Right: 1771.464+/-0.239 χ^2/NDF: 10391323.1/58

In: 975.037+/-0.130 χ^2/NDF:11694366.7/49

Out: 973.308+/-0.128 χ^2/NDF:14135700.6/56

All: 974.158+/-0.091 χ^2/NDF: 25830157.3/10



Right In: 796.841+/-423.533 χ^2/NDF: 17.3/26

Left Out: 361.560+/-388.131 χ^2/NDF:29.6/24

Right Out: -501.181+/-414.259 χ^2/NDF: 28.9/31

Left In: 156.934+/-394.258 χ^2/NDF:16.0/22

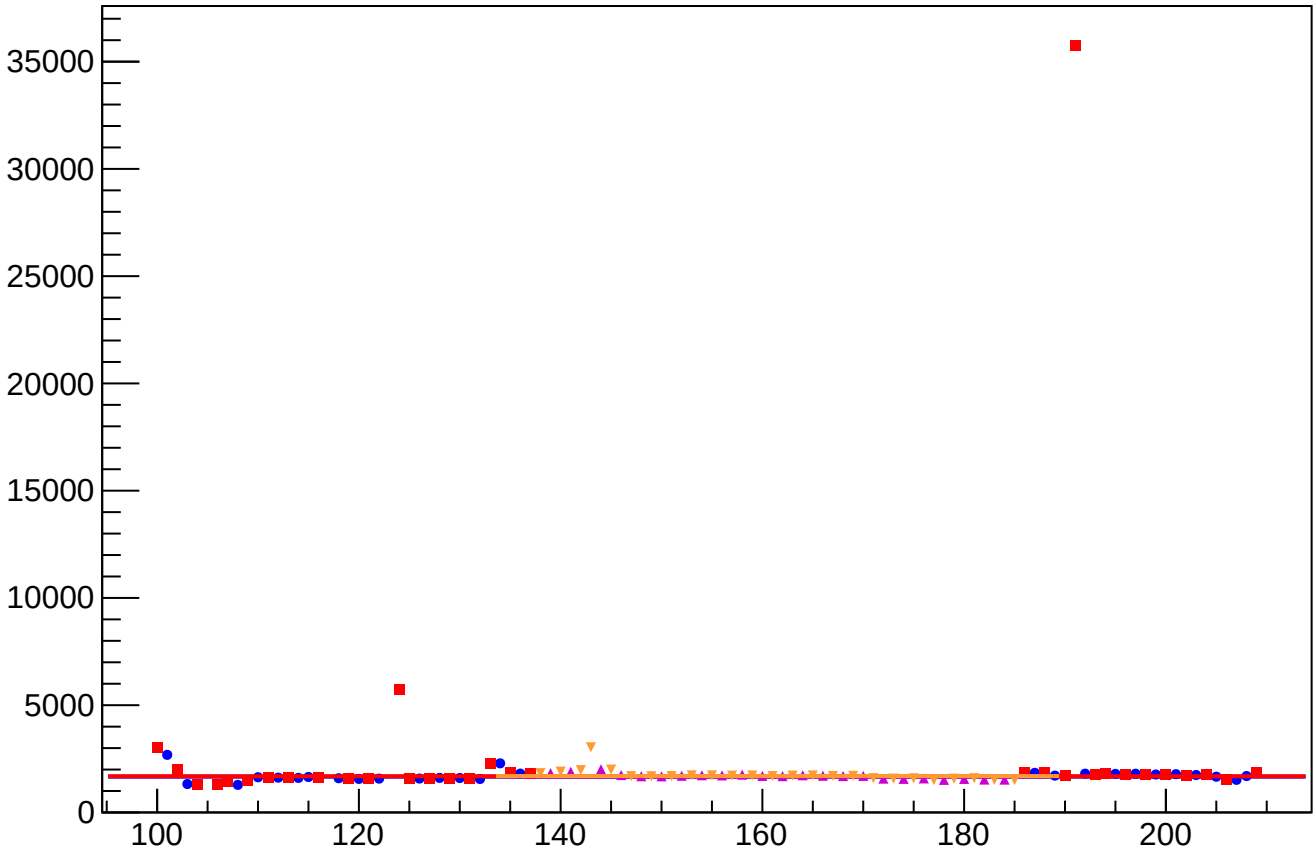
Left: 260.849+/-276.591 χ^2/NDF: 45.7/47

Right: 133.465+/-296.150 χ^2/NDF: 51.0/58

In: 454.010+/-288.577 χ^2/NDF:34.6/49

Out: -41.747+/-283.237 χ^2/NDF:60.8/56

All: 201.502+/-202.140 χ^2/NDF: 96.9/106



Right In: 1670.973+/-0.299 χ^2/NDF: 488631.9/26

Left Out: 1697.496+/-0.274 χ^2/NDF:495397.9/24

Right Out: 1685.364+/-0.293 χ^2/NDF: 709381.8/31

Left In: 1684.577+/-0.279 χ^2/NDF:165355.7/22

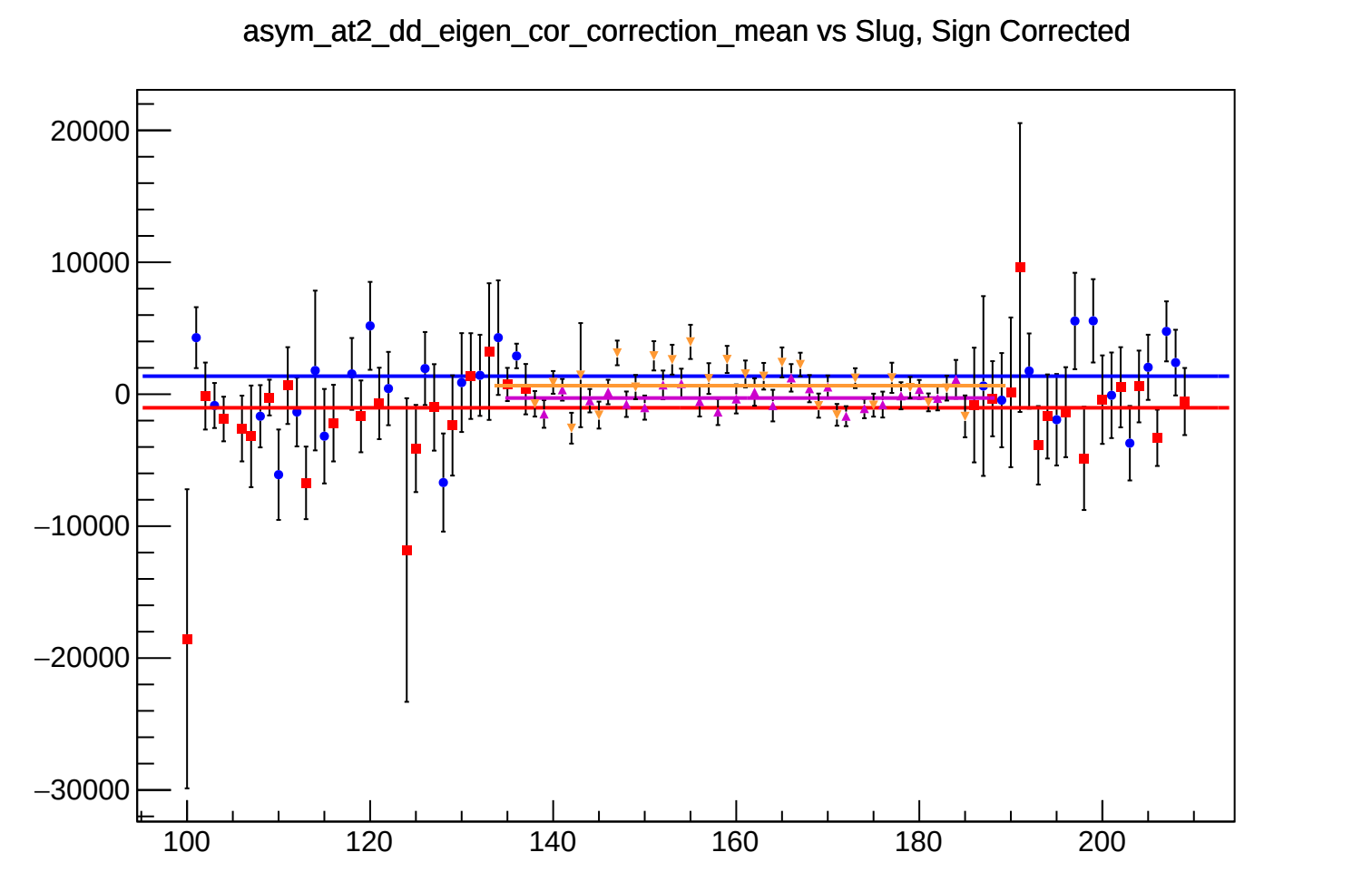
Left: 1691.137+/-0.196 χ^2/NDF: 661844.0/47

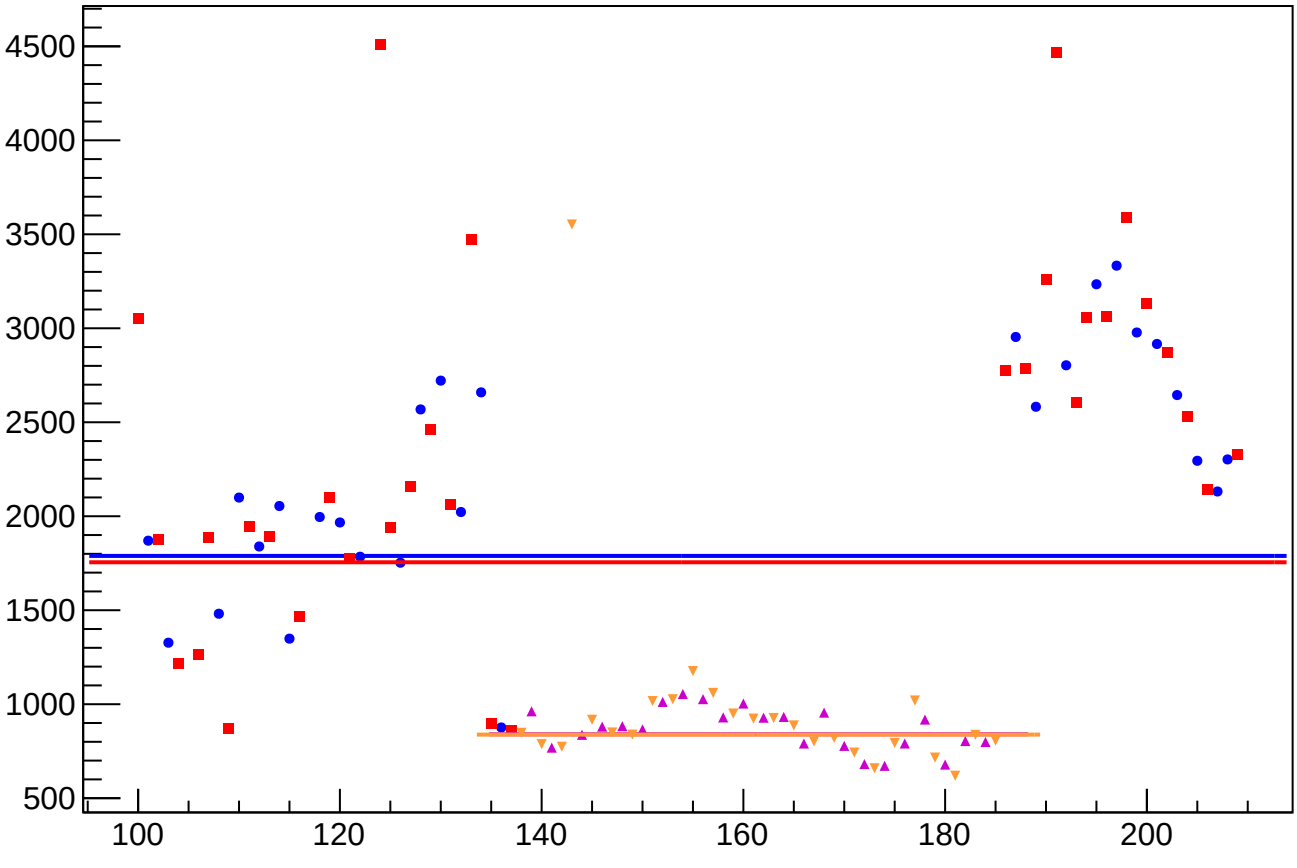
Right: 1678.328+/-0.209 χ^2/NDF: 1199193.9/58

In: 1678.261+/-0.204 χ^2/NDF:655093.0/49

Out: 1691.825+/-0.200 χ^2/NDF:1205693.0/56

All: 1685.170+/-0.143 χ^2/NDF: 1863036.3/10


asym_at2_dd_eigen_cor_correction_mean vs Slug, Sign Corrected
20000
10000
0
−10000
−20000
−30000
100
120
140
160
180
200
Right In: 1367.836+/-487.286 χ²/NDF: 31.9/26
Left Out: 649.165+/-195.673 χ²/NDF:65.5/24
Right Out: -1028.414+/-470.789 χ²/NDF: 19.1/31
Left In: -288.602+/-198.495 χ²/NDF:16.6/22
Left: 186.994+/-139.349 χ²/NDF: 93.4/47
Right: 128.461+/-338.580 χ²/NDF: 63.5/58
In: -52.863+/-183.828 χ²/NDF:58.4/49
Out: 402.056+/-180.688 χ²/NDF:95.4/56
All: 178.515+/-128.861 χ²/NDF: 156.9/106



Right In: 1788.980+/-0.345 χ^2/NDF: 4518906.1/26

Left Out: 838.254+/-0.138 χ^2/NDF:1800138.0/24

Right Out: 1755.114+/-0.333 χ^2/NDF: 5867420.5/31

Left In: 839.978+/-0.140 χ^2/NDF:669338.3/22

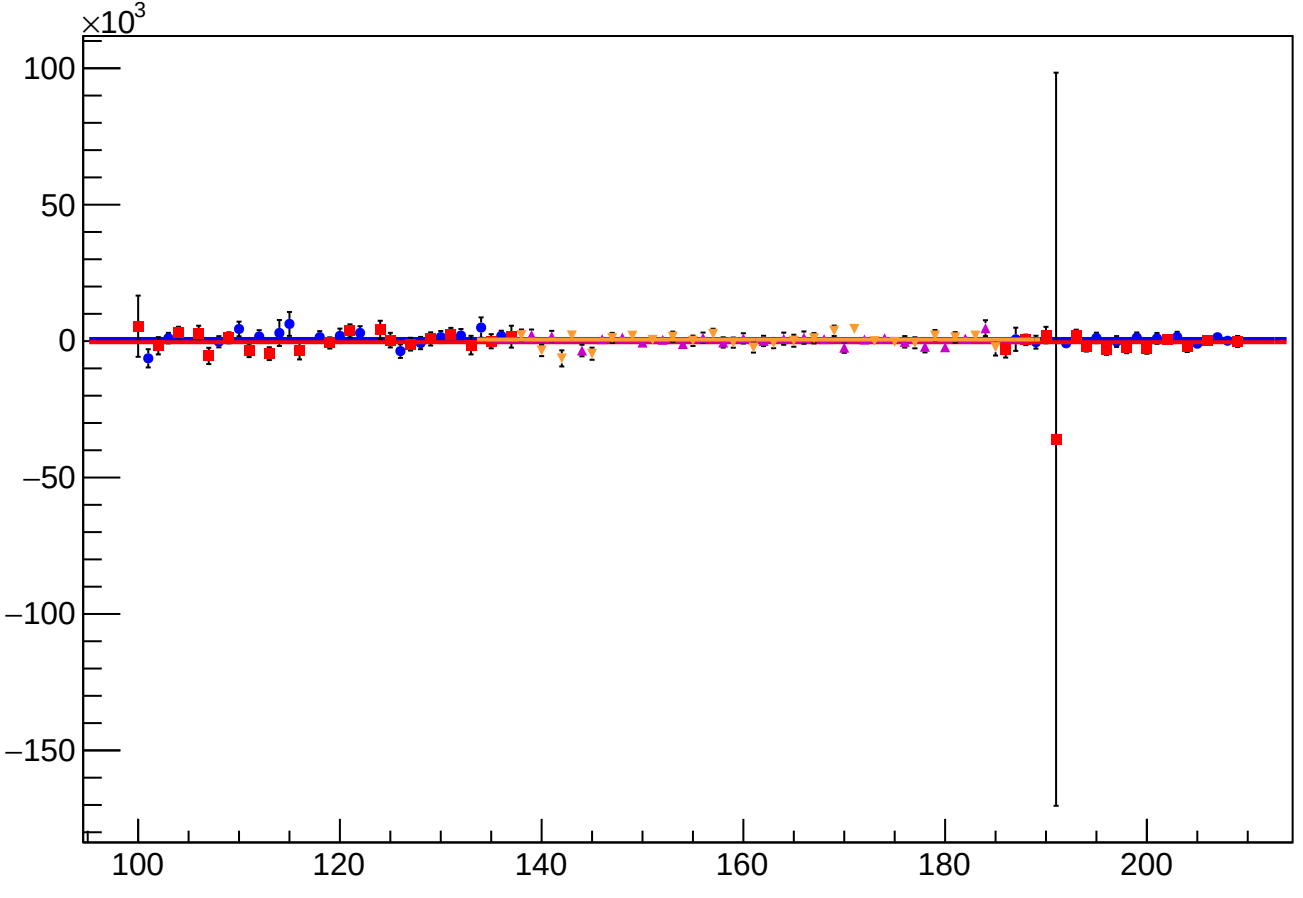
Left: 839.104+/-0.099 χ^2/NDF: 2469552.9/47

Right: 1771.464+/-0.239 χ^2/NDF: 10391323.1/58

In: 975.037+/-0.130 χ^2/NDF:11694366.7/49

Out: 973.308+/-0.128 χ^2/NDF:14135700.6/56

All: 974.158+/-0.091 χ^2/NDF: 25830157.3/10



Right In: 788.142+/-426.706 χ^2/NDF: 18.0/26

Left Out: 580.299+/-389.769 χ^2/NDF:31.9/24

Right Out: -409.264+/-414.796 χ^2/NDF: 31.1/31

Left In: 185.836+/-404.094 χ^2/NDF:14.4/22

Left: 390.183+/-280.536 χ^2/NDF: 46.9/47

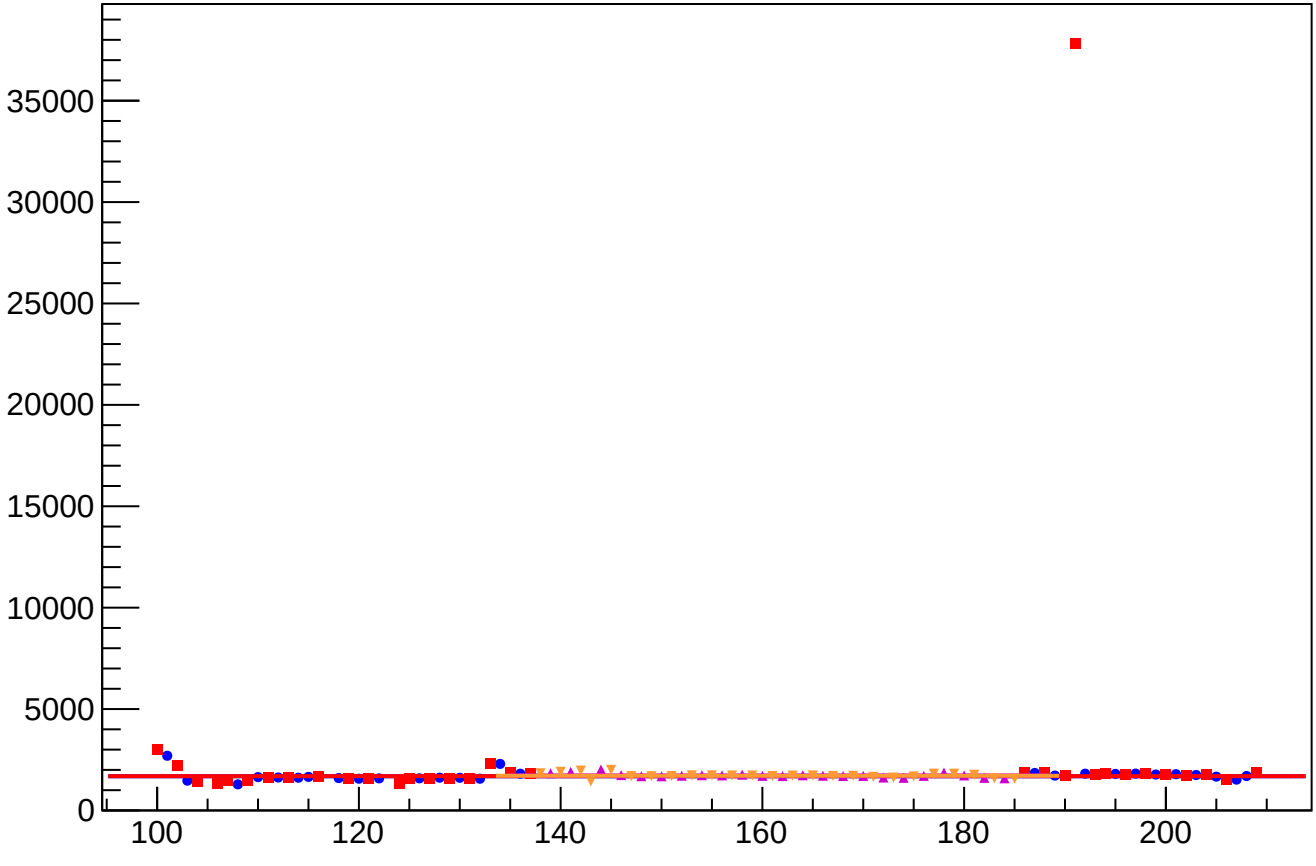
Right: 172.495+/-297.426 χ^2/NDF: 53.2/58

In: 470.608+/-293.406 χ^2/NDF:33.5/49

Out: 116.269+/-284.044 χ^2/NDF:66.1/56

All: 287.695+/-204.079 χ^2/NDF: 100.3/106

dit_asym_at2_dd_rms vs Slug, Sign Corrected



Right In: 1684.945+/-0.302 χ^2/NDF: 435519.5/26

Left Out: 1711.712+/-0.276 χ^2/NDF:168006.4/24

Right Out: 1690.648+/-0.293 χ^2/NDF: 569685.1/31

Left In: 1727.912+/-0.286 χ^2/NDF:100226.8/22

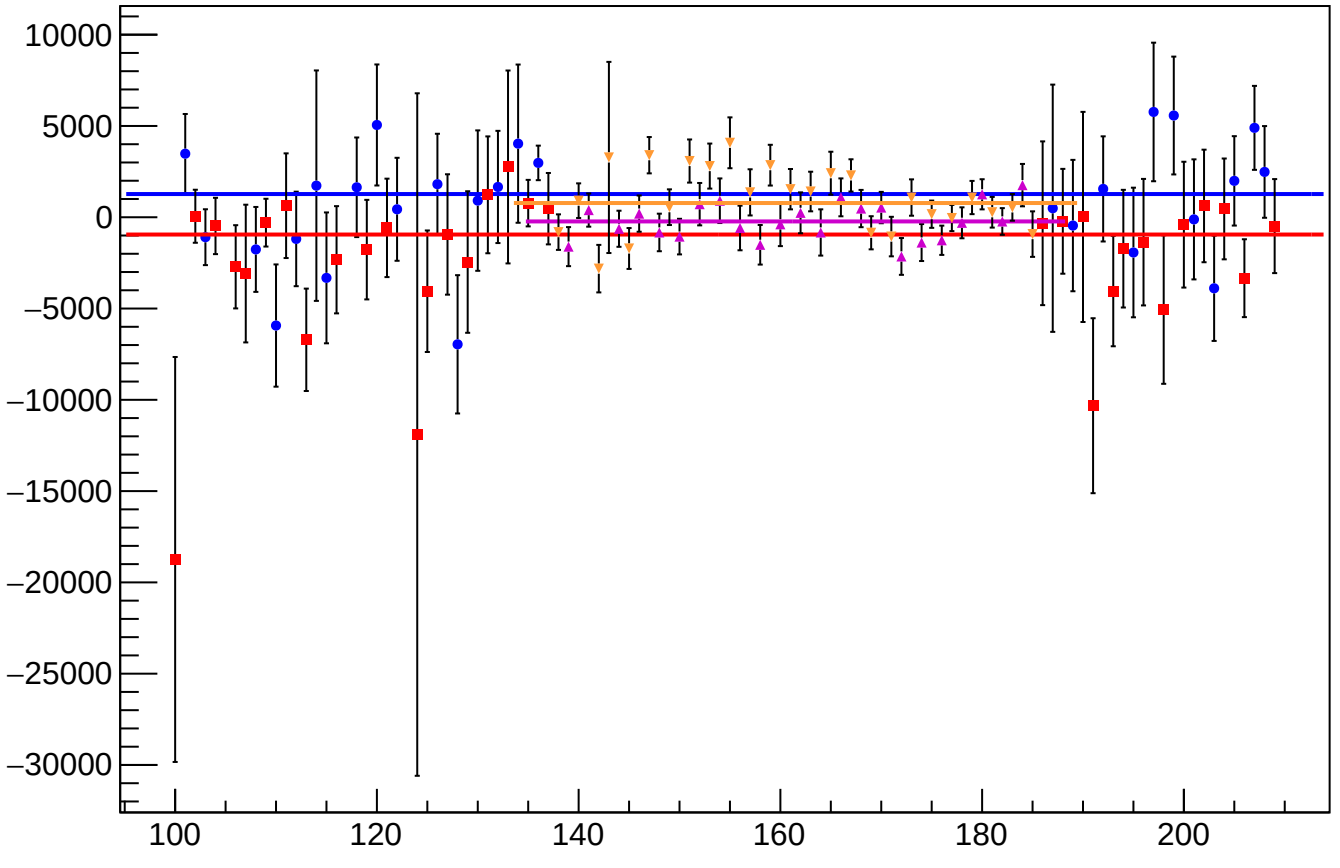
Left: 1719.520+/-0.198 χ^2/NDF: 269898.5/47

Right: 1687.877+/-0.210 χ^2/NDF: 1005388.3/58

In: 1707.597+/-0.207 χ^2/NDF:546437.7/49

Out: 1701.834+/-0.201 χ^2/NDF:740430.4/56

All: 1704.622+/-0.144 χ^2/NDF: 1287266.4/10



Right In: 1270.921+/-484.940 χ^2/NDF: 32.6/26

Left Out: 778.974+/-201.641 χ^2/NDF:54.5/24

Right Out: -946.763+/-450.169 χ^2/NDF: 21.8/31

Left In: -228.879+/-206.703 χ^2/NDF:22.6/22

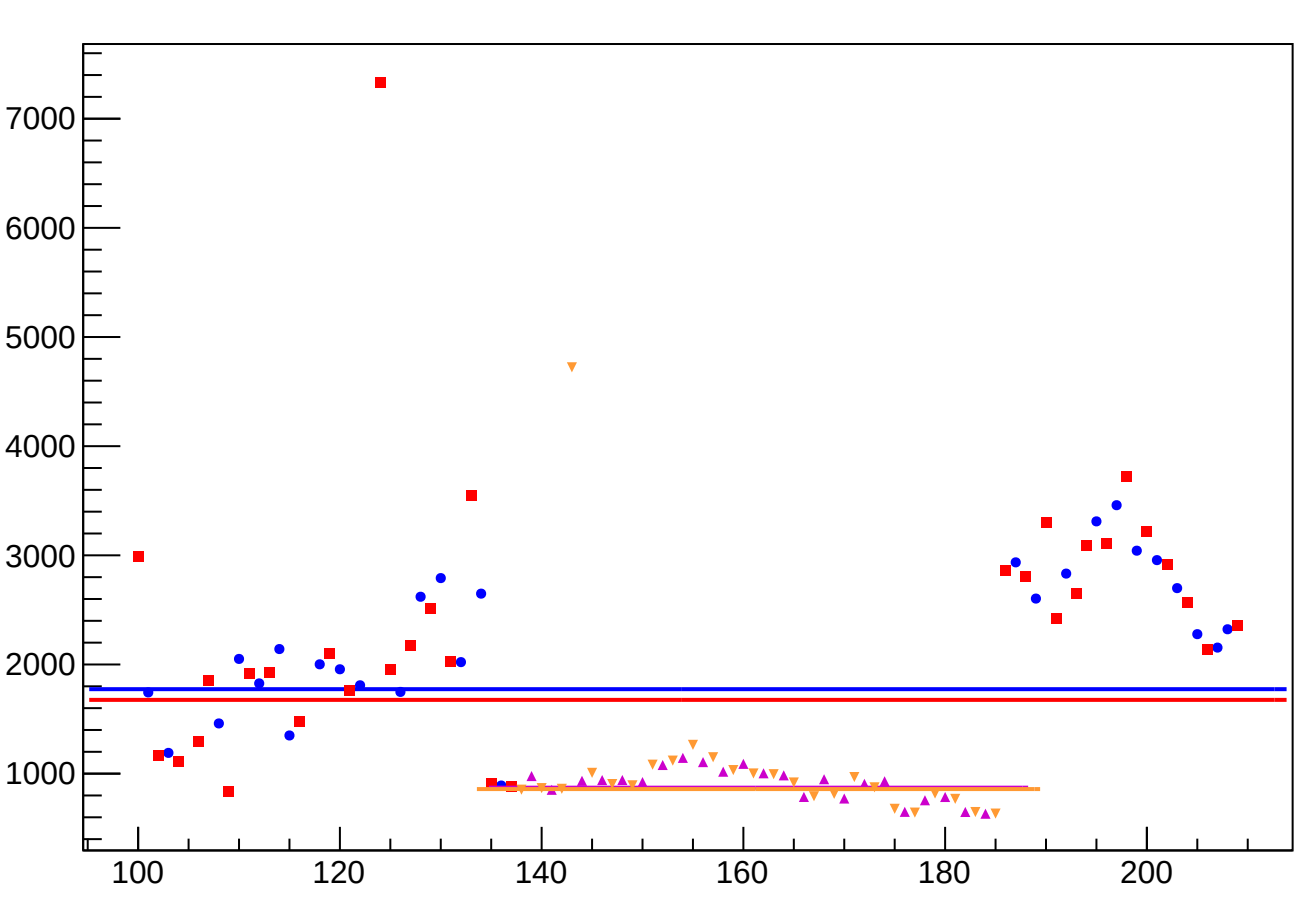
Left: 287.540+/-144.338 χ^2/NDF: 89.3/47

Right: 79.733+/-329.926 χ^2/NDF: 65.6/58

In: 1.717+/-190.150 χ^2/NDF:63.3/49

Out: 490.591+/-184.024 χ^2/NDF:88.5/56

All: 254.156+/-132.237 χ^2/NDF: 155.2/106



Right In: 1773.874+/-0.343 χ^2/NDF: 4686932.2/26

Left Out: 858.593+/-0.143 χ^2/NDF:2279775.0/24

Right Out: 1675.774+/-0.318 χ^2/NDF: 6447278.8/31

Left In: 871.527+/-0.146 χ^2/NDF:979356.2/22

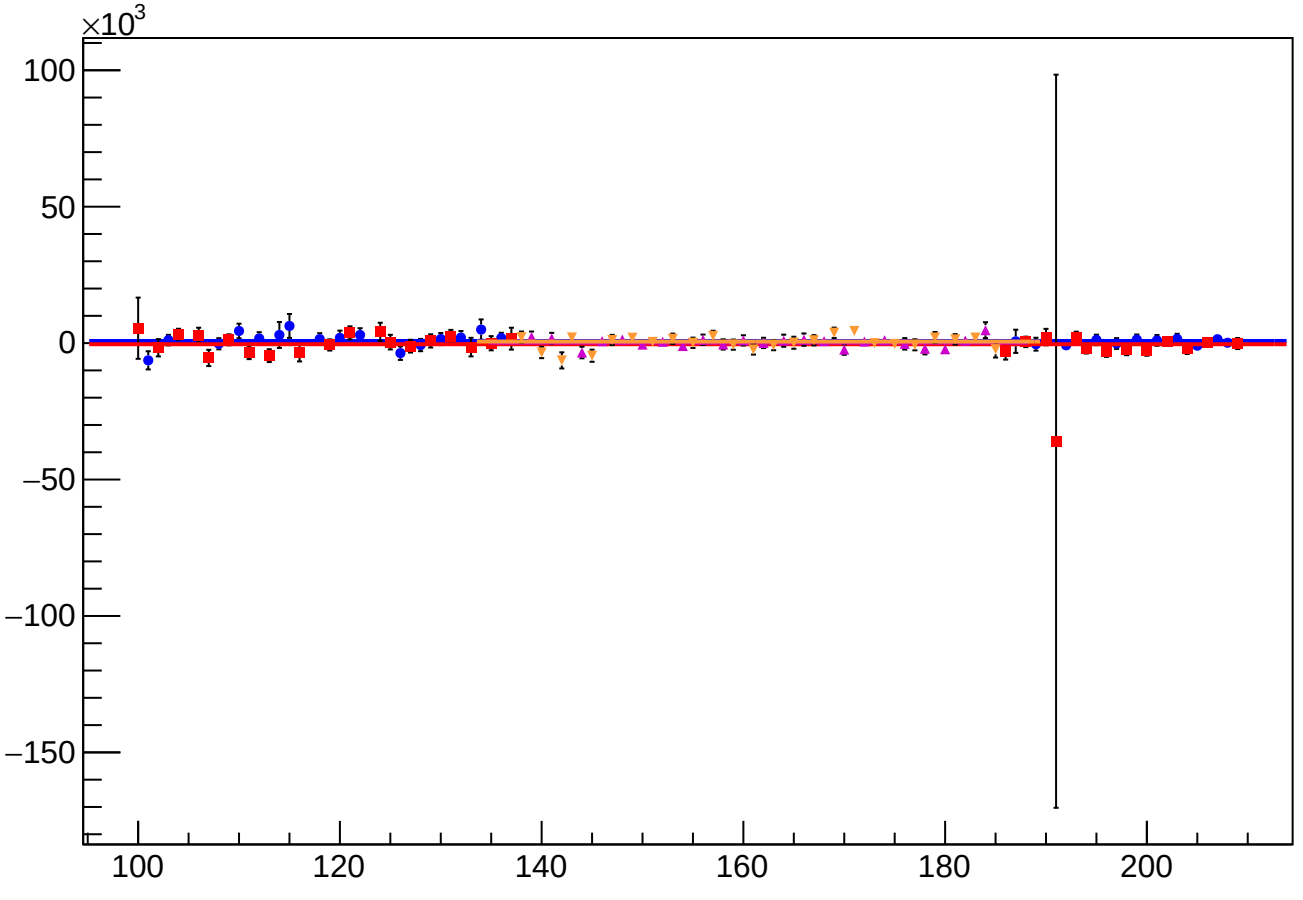
Left: 864.899+/-0.102 χ^2/NDF: 3263143.5/47

Right: 1721.181+/-0.233 χ^2/NDF: 11178172.2/58

In: 1010.263+/-0.134 χ^2/NDF:11526324.1/49

Out: 995.149+/-0.130 χ^2/NDF:14216190.2/56

All: 1002.459+/-0.094 χ^2/NDF: 25749038.8/1



Right In: 788.139+/-426.706 χ^2/NDF: 18.0/26

Left Out: 580.295+/-389.769 χ^2/NDF:31.9/24

Right Out: -409.262+/-414.796 χ^2/NDF: 31.1/31

Left In: 185.837+/-404.094 χ^2/NDF:14.4/22

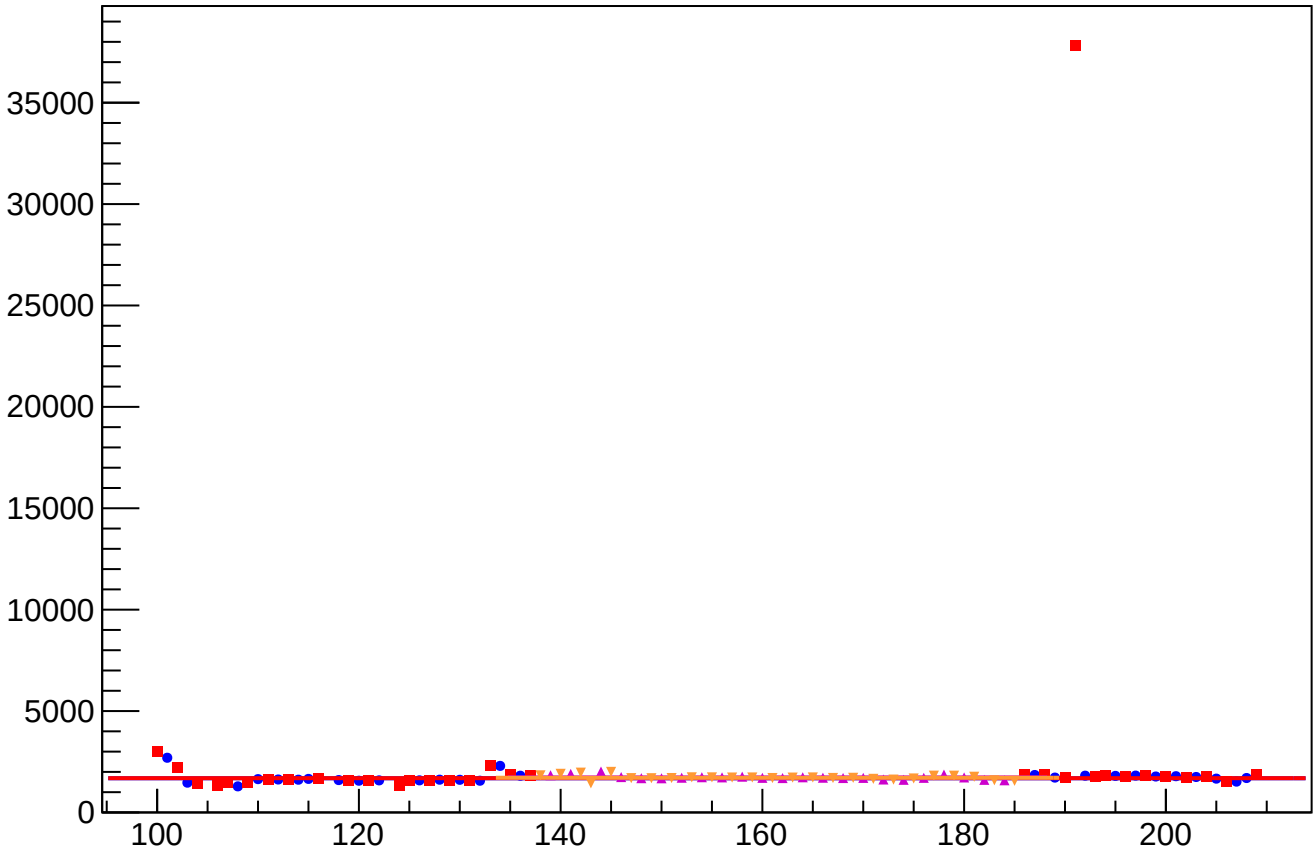
Left: 390.181+/-280.536 χ^2/NDF: 46.9/47

Right: 172.494+/-297.426 χ^2/NDF: 53.2/58

In: 470.607+/-293.406 χ^2/NDF:33.5/49

Out: 116.268+/-284.044 χ^2/NDF:66.1/56

All: 287.694+/-204.079 χ^2/NDF: 100.3/106



Right In: 1684.944+/-0.302 χ^2/NDF: 435519.4/26

Left Out: 1711.711+/-0.276 χ^2/NDF:168005.1/24

Right Out: 1690.648+/-0.293 χ^2/NDF: 569685.2/31

Left In: 1727.912+/-0.286 χ^2/NDF:100226.8/22

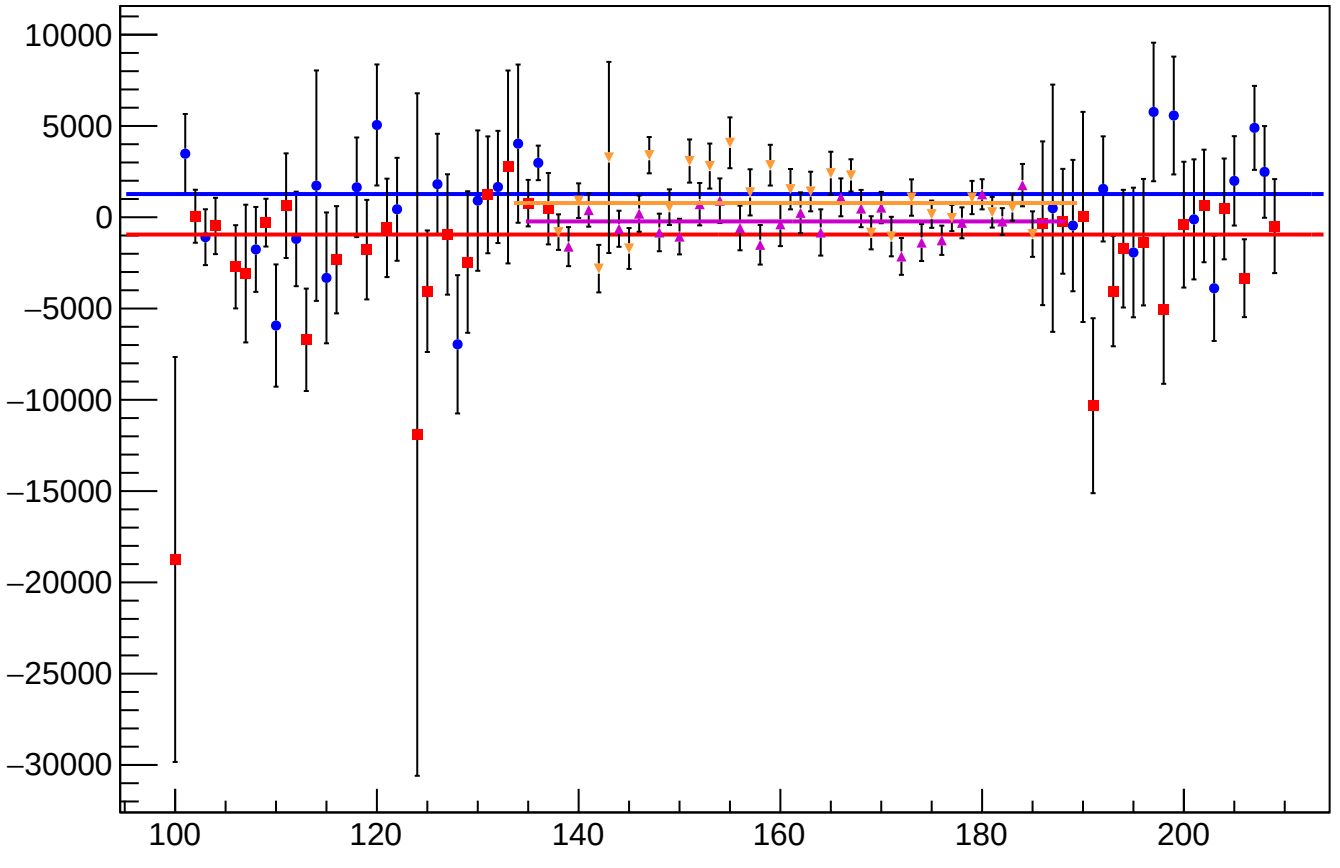
Left: 1719.519+/-0.198 χ^2/NDF: 269897.2/47

Right: 1687.877+/-0.210 χ^2/NDF: 1005388.3/58

In: 1707.597+/-0.207 χ^2/NDF:546437.4/49

Out: 1701.834+/-0.201 χ^2/NDF:740429.3/56

All: 1704.622+/-0.144 χ^2/NDF: 1287264.9/10



Right In: 1270.917+/-484.942 χ^2/NDF: 32.6/26

Left Out: 778.977+/-201.641 χ^2/NDF:54.5/24

Right Out: -946.777+/-450.172 χ^2/NDF: 21.8/31

Left In: -228.876+/-206.703 χ^2/NDF:22.6/22

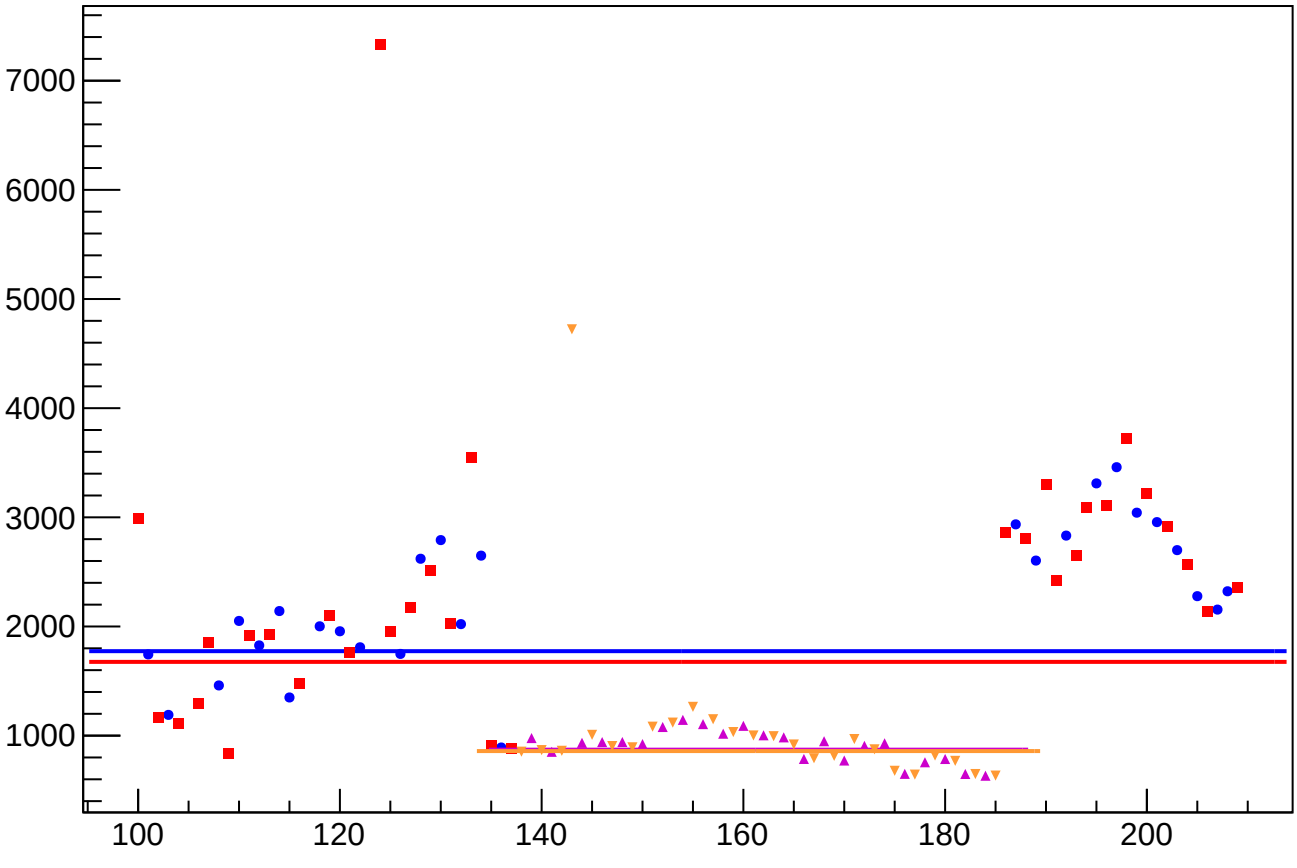
Left: 287.542+/-144.338 χ^2/NDF: 89.3/47

Right: 79.724+/-329.927 χ^2/NDF: 65.6/58

In: 1.716+/-190.150 χ^2/NDF:63.3/49

Out: 490.593+/-184.024 χ^2/NDF:88.5/56

All: 254.157+/-132.237 χ^2/NDF: 155.2/106



Right In: 1773.887+/-0.343 χ^2/NDF: 4686762.6/26

Left Out: 858.593+/-0.143 χ^2/NDF:2279765.6/24

Right Out: 1675.787+/-0.318 χ^2/NDF: 6447128.7/31

Left In: 871.525+/-0.146 χ^2/NDF:979360.3/22

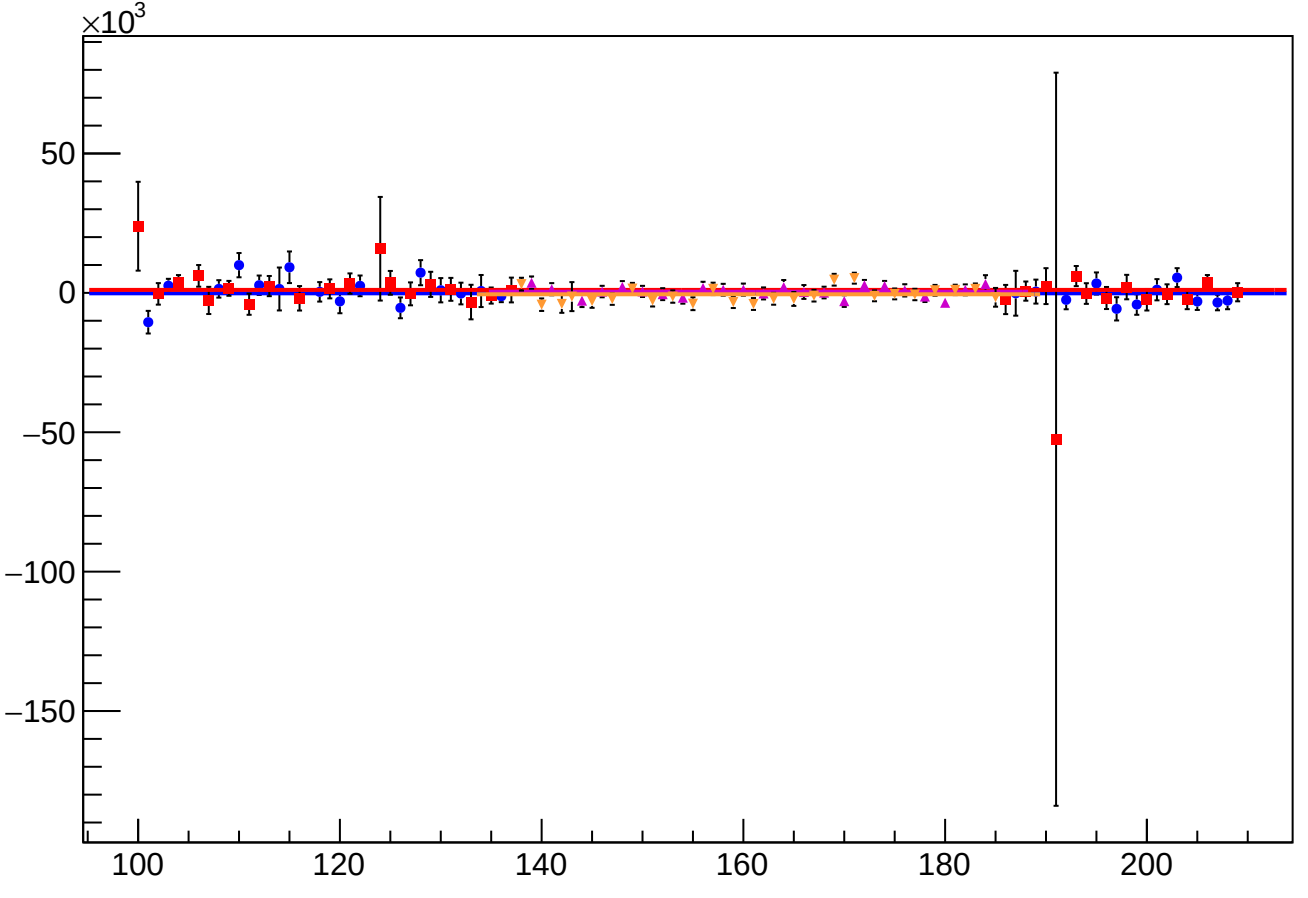
Left: 864.899+/-0.102 χ^2/NDF: 3263137.5/47

Right: 1721.195+/-0.233 χ^2/NDF: 11177852.5/58

In: 1010.263+/-0.134 χ^2/NDF:11526307.7/49

Out: 995.151+/-0.130 χ^2/NDF:14216161.5/56

All: 1002.460+/-0.094 χ^2/NDF: 25748992.6/1



Right In: -160.652+/-697.493 χ^2/NDF: 32.9/26

Left Out: -501.517+/-439.916 χ^2/NDF:35.9/24

Right Out: 1065.176+/-682.274 χ^2/NDF: 17.5/31

Left In: 411.323+/-444.573 χ^2/NDF:18.9/22

Left: -49.903+/-312.701 χ^2/NDF: 56.9/47

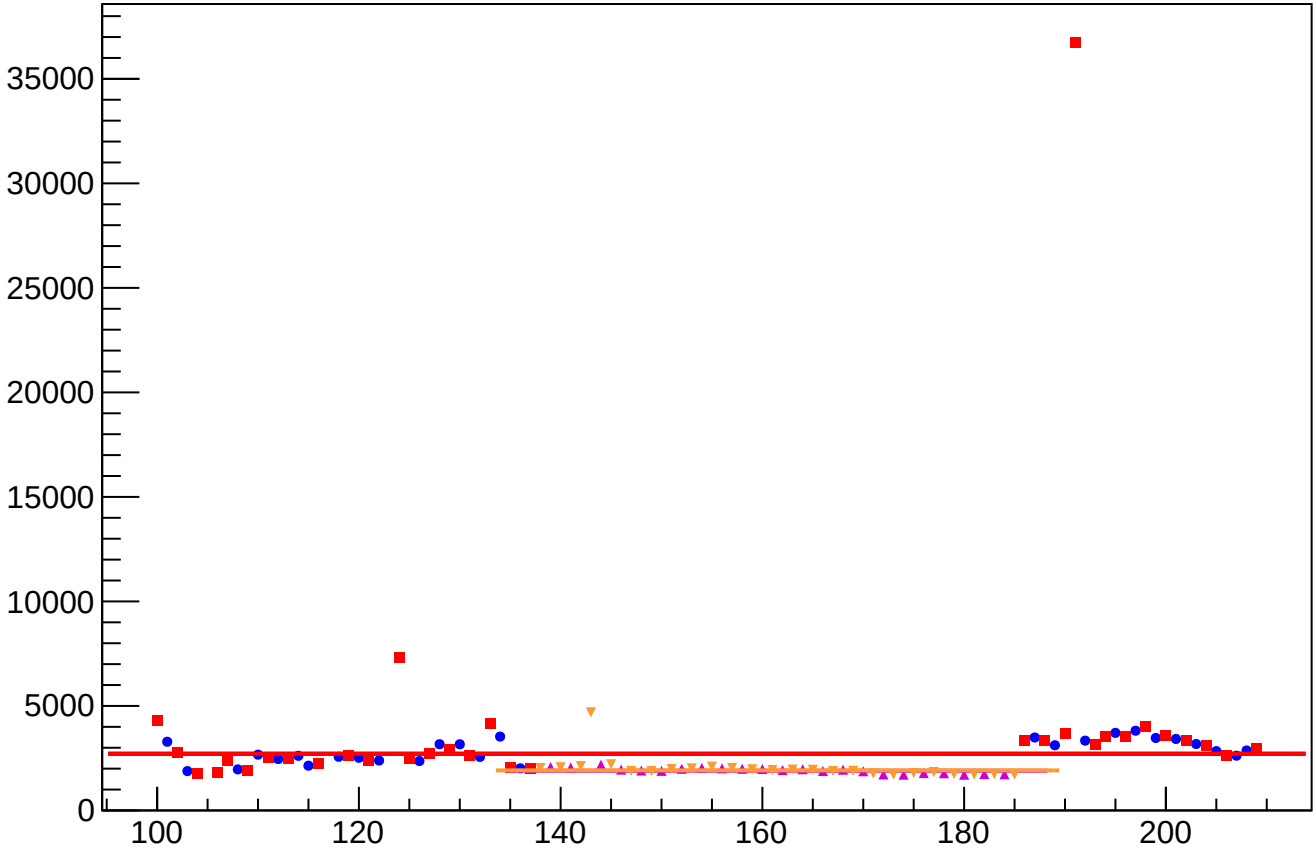
Right: 465.782+/-487.732 χ^2/NDF: 52.0/58

In: 246.082+/-374.895 χ^2/NDF:52.3/49

Out: -41.448+/-369.724 χ^2/NDF:57.2/56

All: 100.321+/-263.244 χ^2/NDF: 109.7/106

asym_at2_dd_rms vs Slug, Sign Corrected



Right In: 2710.791+/-0.493 χ^2/NDF: 1322940.1/26

Left Out: 1917.157+/-0.311 χ^2/NDF:756385.6/24

Right Out: 2715.478+/-0.482 χ^2/NDF: 1959004.2/31

Left In: 1899.245+/-0.314 χ^2/NDF:173376.4/22

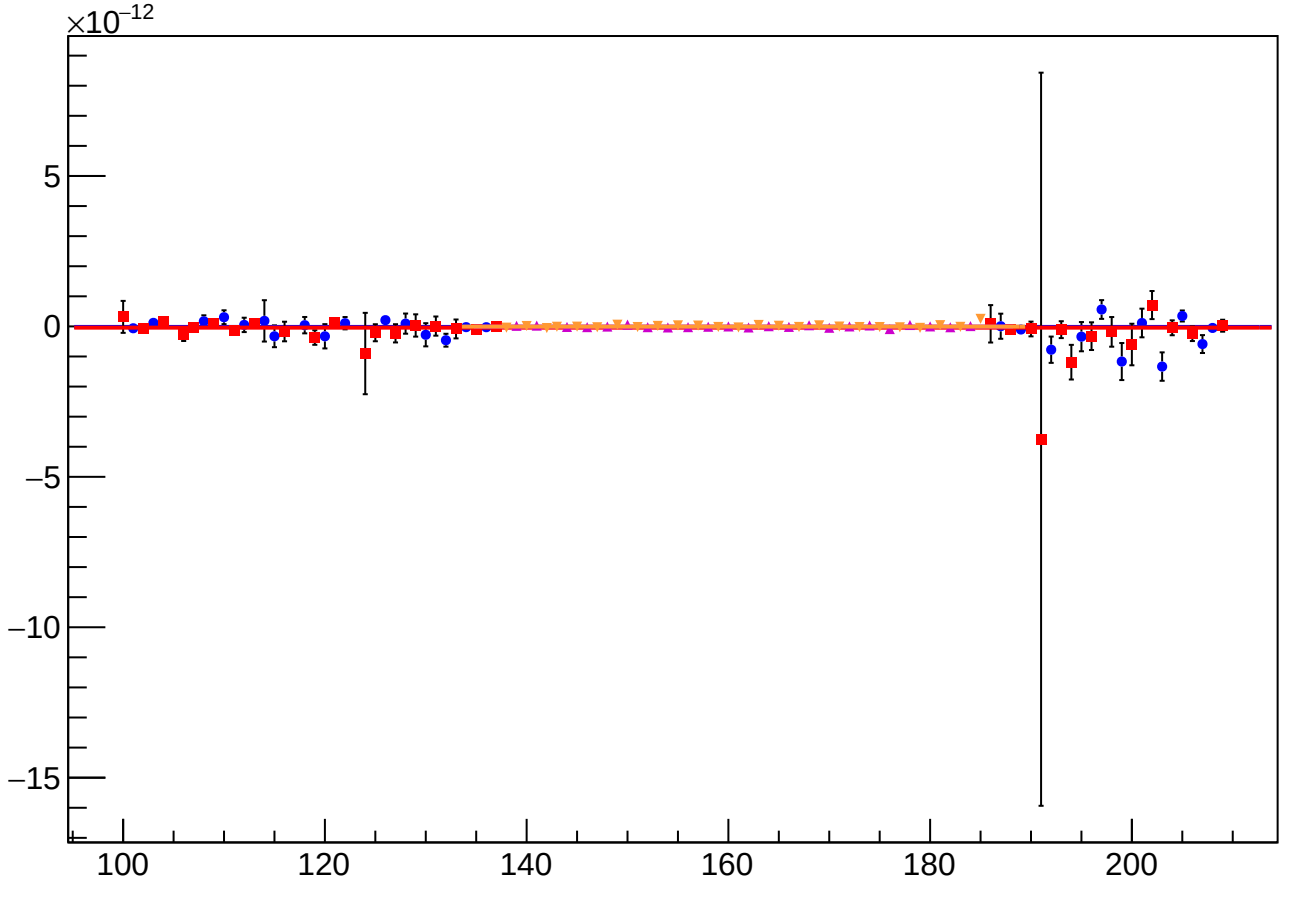
Left: 1908.296+/-0.221 χ^2/NDF: 931402.4/47

Right: 2713.186+/-0.345 χ^2/NDF: 3281990.5/58

In: 2133.697+/-0.265 χ^2/NDF:3421668.5/49

Out: 2151.591+/-0.261 χ^2/NDF:4649526.0/56

All: 2142.768+/-0.186 χ^2/NDF: 8073504.3/10



Right In: -0.000+/-0.000 χ^2/NDF: 41.2/26

Left Out: -0.000+/-0.000 χ^2/NDF:28.5/24

Right Out: -0.000+/-0.000 χ^2/NDF: 24.2/31

Left In: -0.000+/-0.000 χ^2/NDF:25.0/22

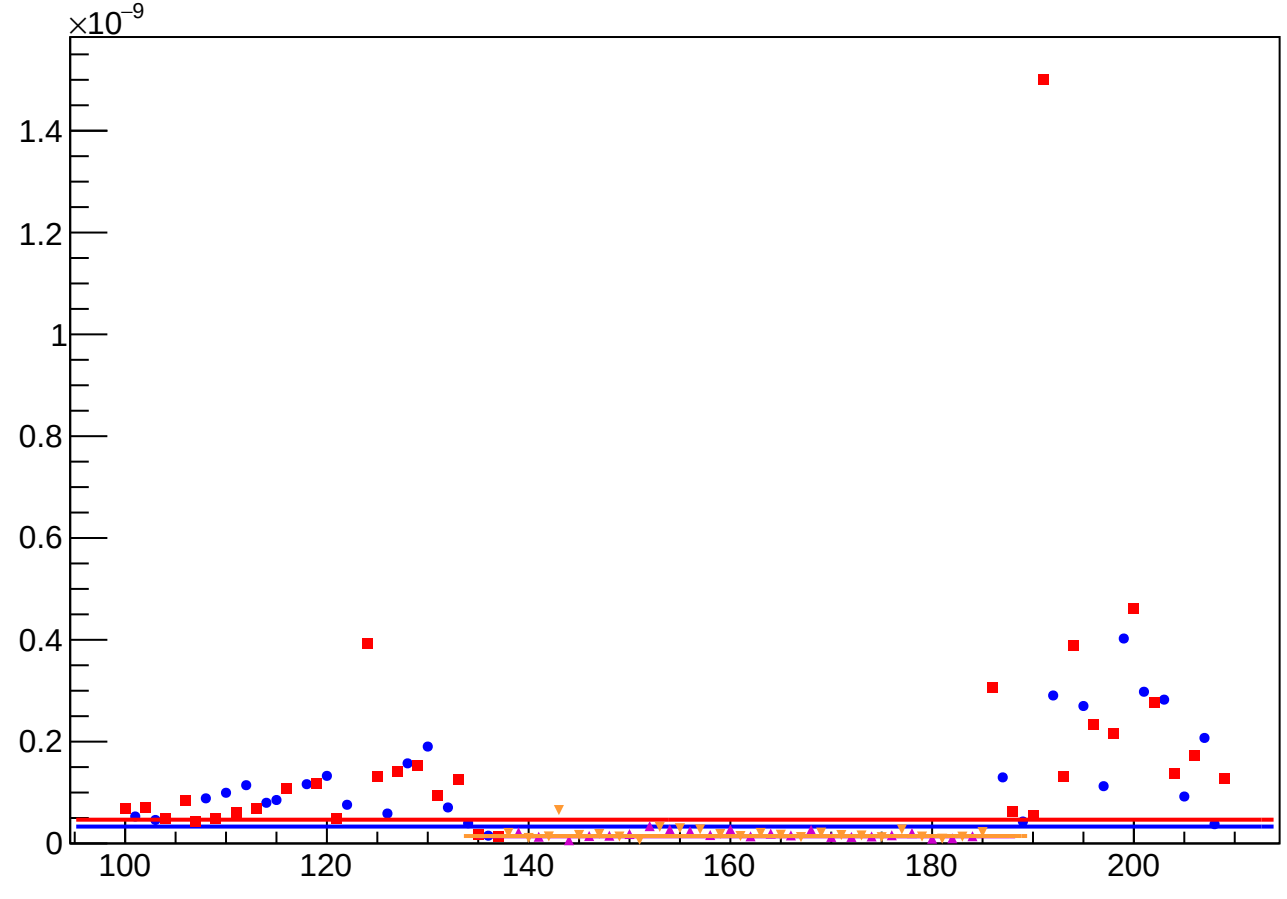
Left: -0.000+/-0.000 χ^2/NDF: 53.6/47

Right: -0.000+/-0.000 χ^2/NDF: 65.9/58

In: -0.000+/-0.000 χ^2/NDF:66.4/49

Out: -0.000+/-0.000 χ^2/NDF:54.4/56

All: -0.000+/-0.000 χ^2/NDF: 120.9/106



Right In: 0.000+/-0.000 χ^2/NDF: 7071468.8/26

Left Out: 0.000+/-0.000 χ^2/NDF:1874636.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 6904790.6/31

Left In: 0.000+/-0.000 χ^2/NDF:1944578.7/22

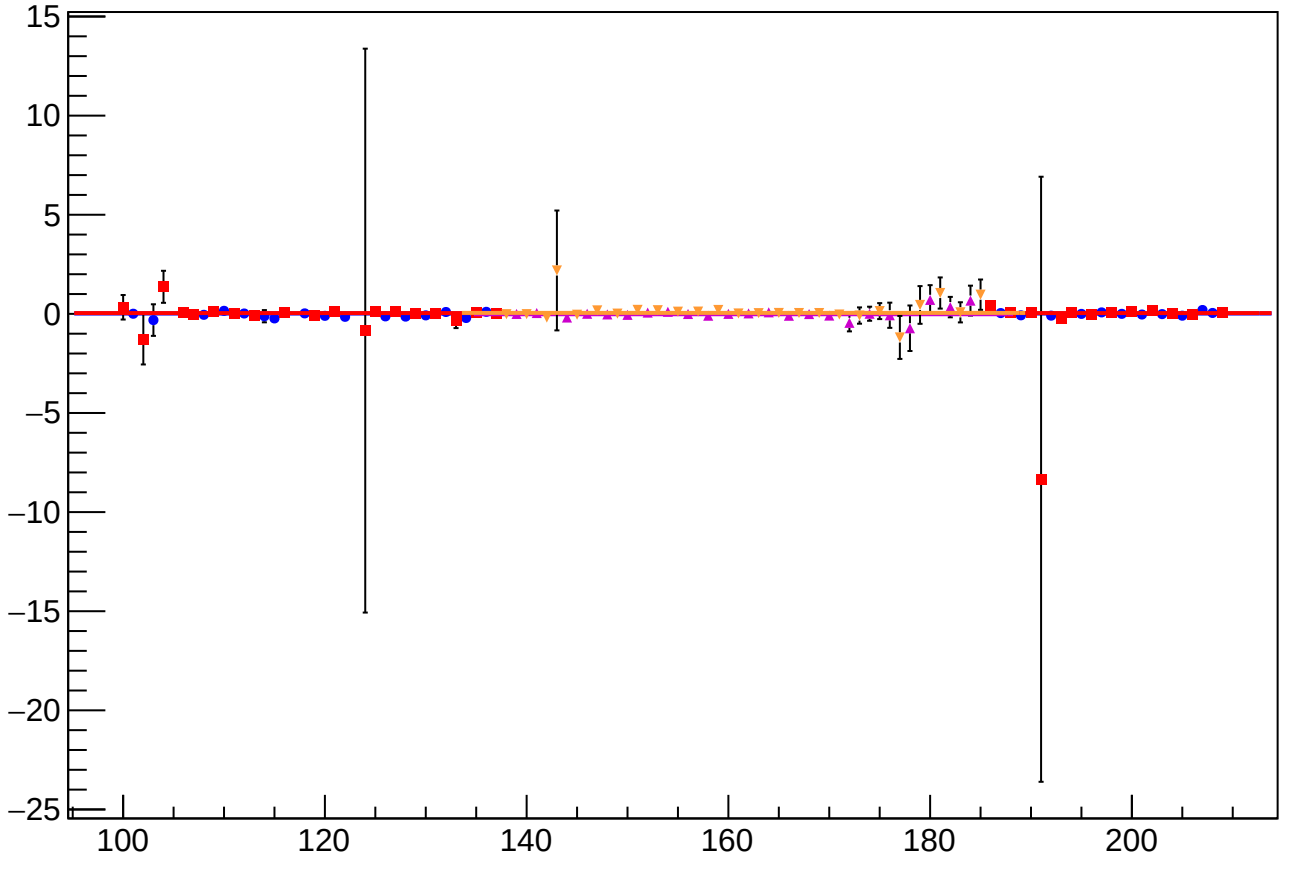
Left: 0.000+/-0.000 χ^2/NDF: 3830932.2/47

Right: 0.000+/-0.000 χ^2/NDF: 14299280.8/58

In: 0.000+/-0.000 χ^2/NDF:10557603.6/49

Out: 0.000+/-0.000 χ^2/NDF:11622259.7/56

All: 0.000+/-0.000 χ^2/NDF: 22198858.0/106



Right In: 0.018+/-0.019 χ^2/NDF: 29.2/26

Left Out: 0.050+/-0.017 χ^2/NDF:24.5/24

Right Out: 0.040+/-0.018 χ^2/NDF: 25.5/31

Left In: -0.019+/-0.017 χ^2/NDF:15.4/22

Left: 0.016+/-0.012 χ^2/NDF: 48.0/47

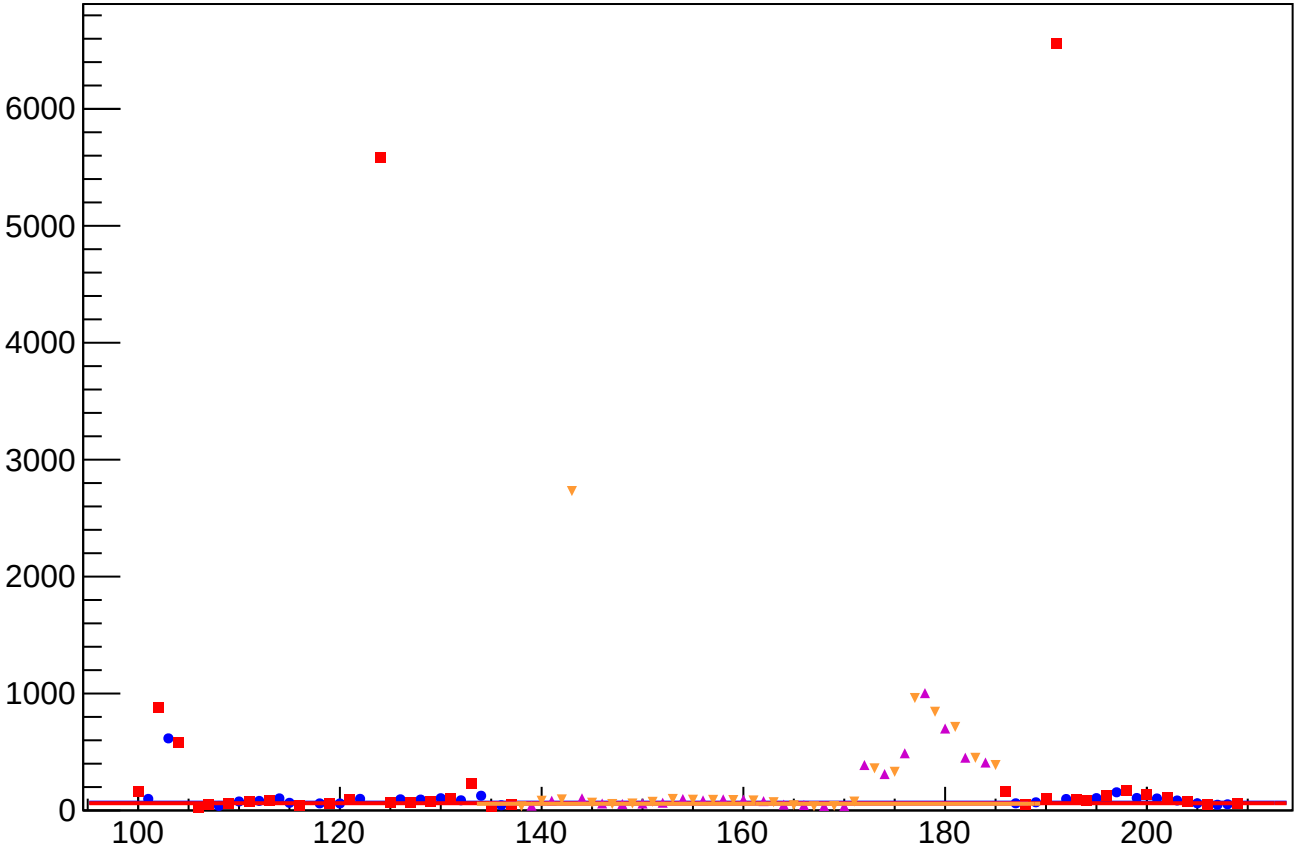
Right: 0.029+/-0.013 χ^2/NDF: 55.4/58

In: -0.003+/-0.013 χ^2/NDF:46.6/49

Out: 0.045+/-0.012 χ^2/NDF:50.1/56

All: 0.022+/-0.009 χ^2/NDF: 104.0/106

asym_at2_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 66.790+/-0.013 χ^2/NDF: 4203655.3/26

Left Out: 57.259+/-0.012 χ^2/NDF:12322019.7/24

Right Out: 61.894+/-0.013 χ^2/NDF: 7271810.8/31

Left In: 58.580+/-0.012 χ^2/NDF:10247660.0/22

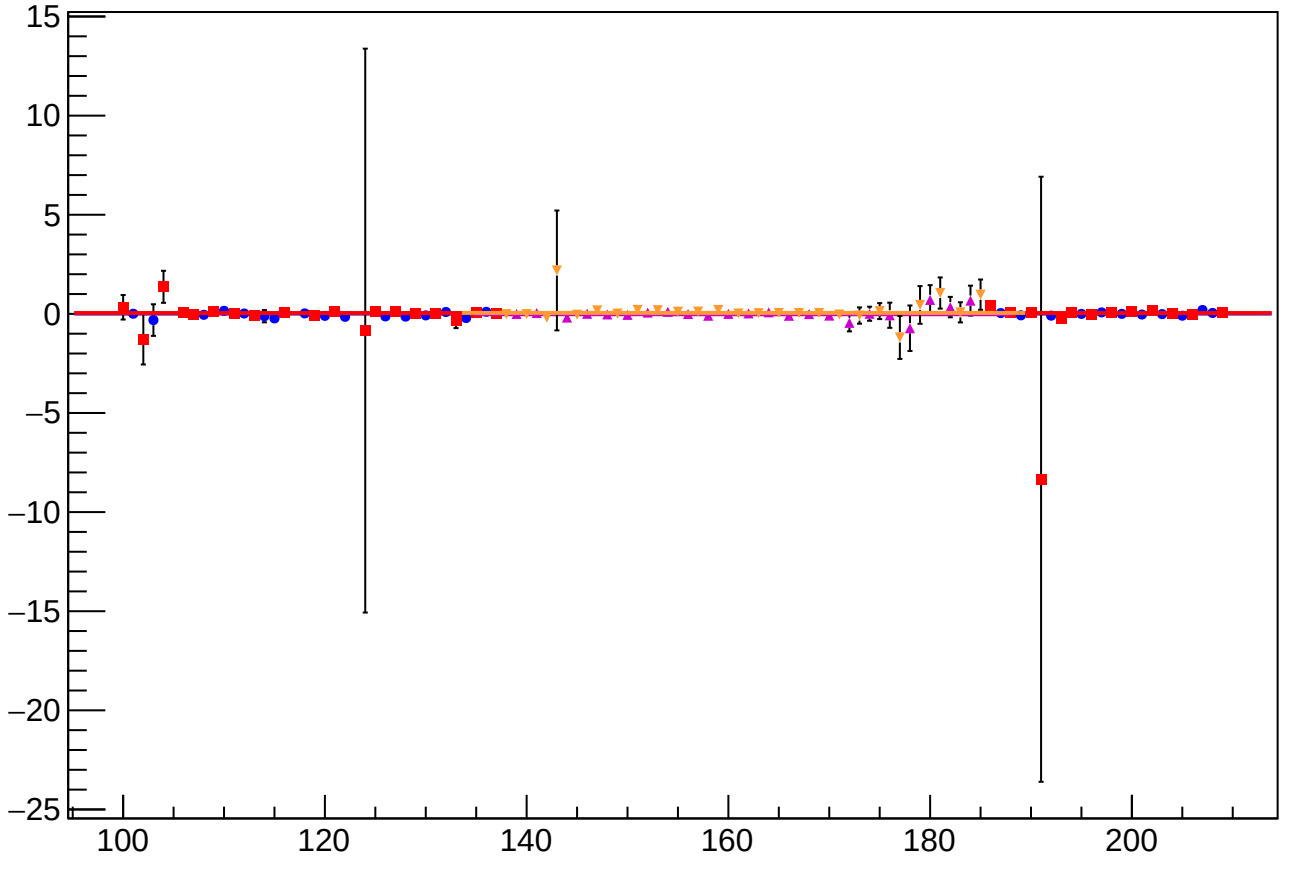
Left: 57.916+/-0.009 χ^2/NDF: 22575659.0/47

Right: 64.216+/-0.009 χ^2/NDF: 11545550.9/58

In: 62.269+/-0.009 χ^2/NDF:14657744.5/49

Out: 59.447+/-0.009 χ^2/NDF:19663772.6/56

All: 60.820+/-0.006 χ^2/NDF: 34372125.1/106



Right In: 0.018+/-0.019 χ^2/NDF: 29.2/26

Left Out: 0.050+/-0.017 χ^2/NDF:24.5/24

Right Out: 0.040+/-0.018 χ^2/NDF: 25.5/31

Left In: -0.019+/-0.017 χ^2/NDF:15.4/22

Left: 0.016+/-0.012 χ^2/NDF: 48.0/47

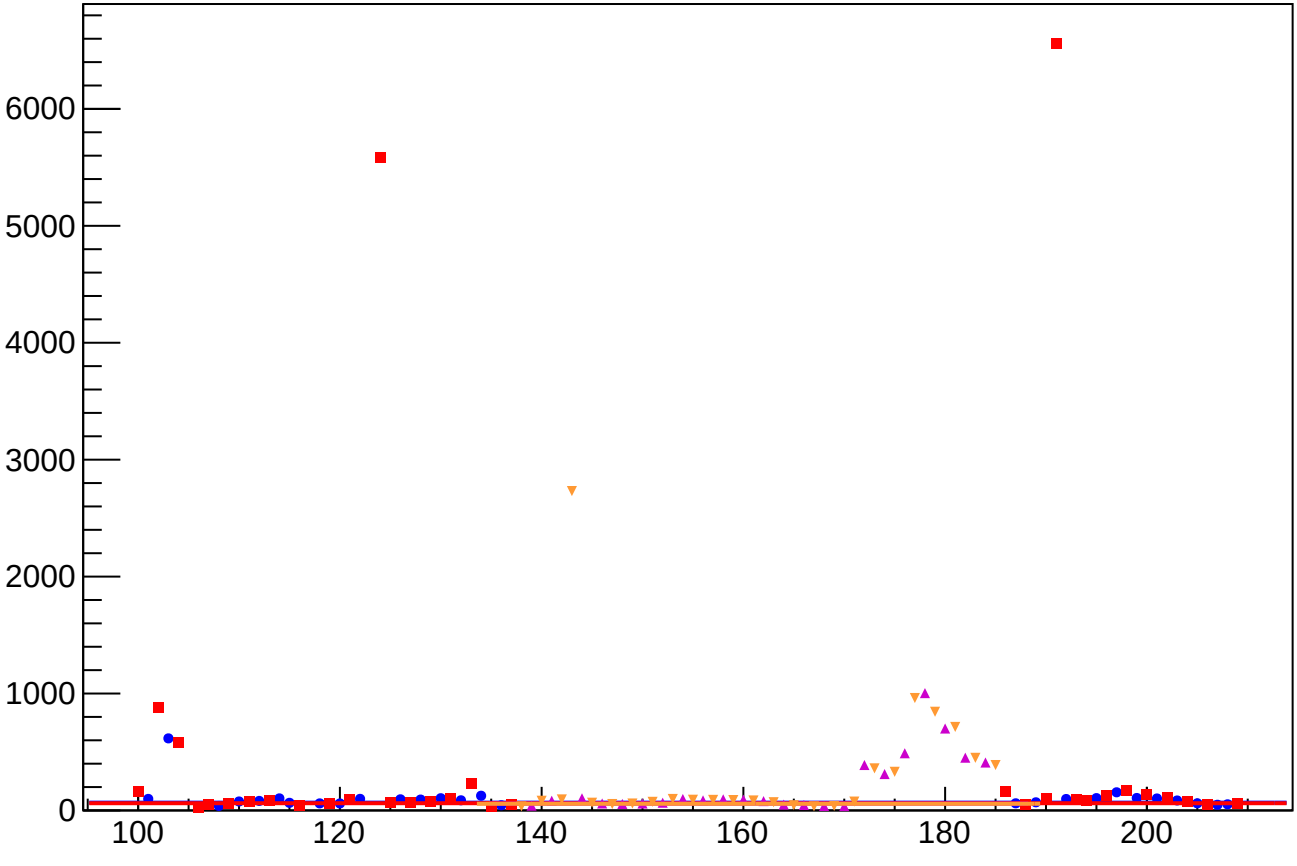
Right: 0.029+/-0.013 χ^2/NDF: 55.4/58

In: -0.003+/-0.013 χ^2/NDF:46.6/49

Out: 0.045+/-0.012 χ^2/NDF:50.1/56

All: 0.022+/-0.009 χ^2/NDF: 104.0/106

asym_at2_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 66.790+/-0.013 χ^2/NDF: 4203655.3/26

Left Out: 57.259+/-0.012 χ^2/NDF:12322019.7/24

Right Out: 61.894+/-0.013 χ^2/NDF: 7271810.8/31

Left In: 58.580+/-0.012 χ^2/NDF:10247660.0/22

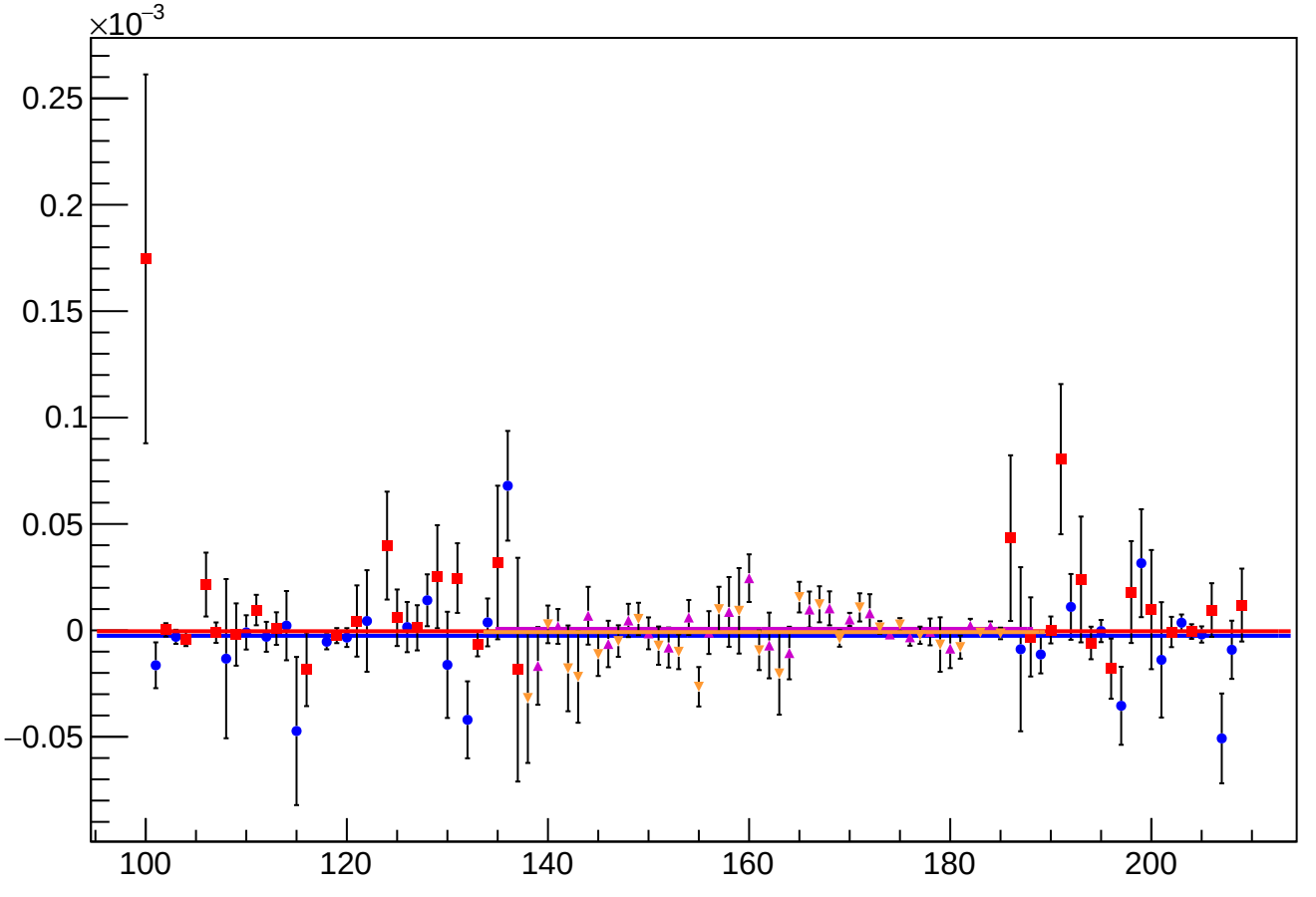
Left: 57.916+/-0.009 χ^2/NDF: 22575659.0/47

Right: 64.216+/-0.009 χ^2/NDF: 11545550.9/58

In: 62.269+/-0.009 χ^2/NDF:14657744.5/49

Out: 59.447+/-0.009 χ^2/NDF:19663772.6/56

All: 60.820+/-0.006 χ^2/NDF: 34372125.1/106



Right In: -0.000+/-0.000 χ^2/NDF: 34.3/26

Left Out: -0.000+/-0.000 χ^2/NDF:32.8/24

Right Out: -0.000+/-0.000 χ^2/NDF: 30.3/31

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

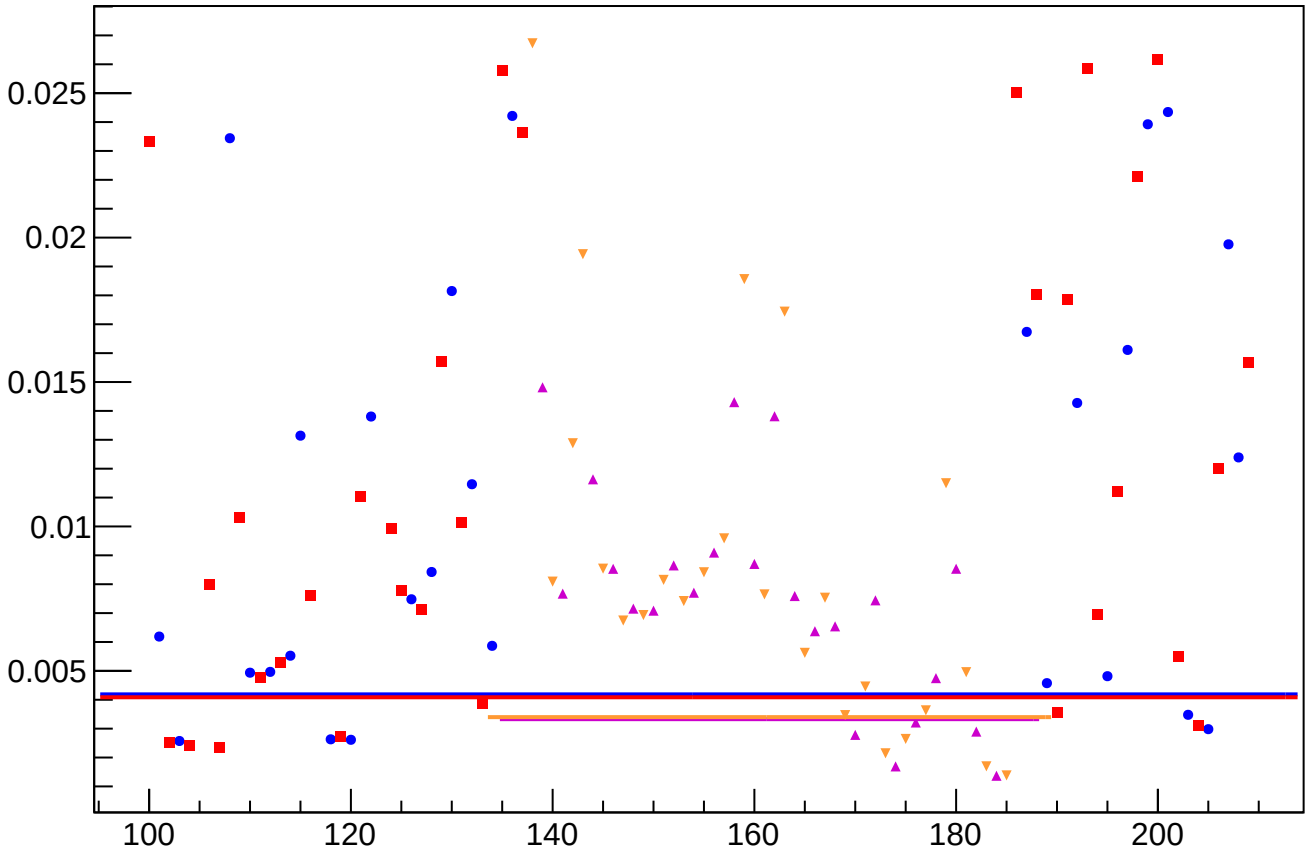
Left: -0.000+/-0.000 χ^2/NDF: 52.7/47

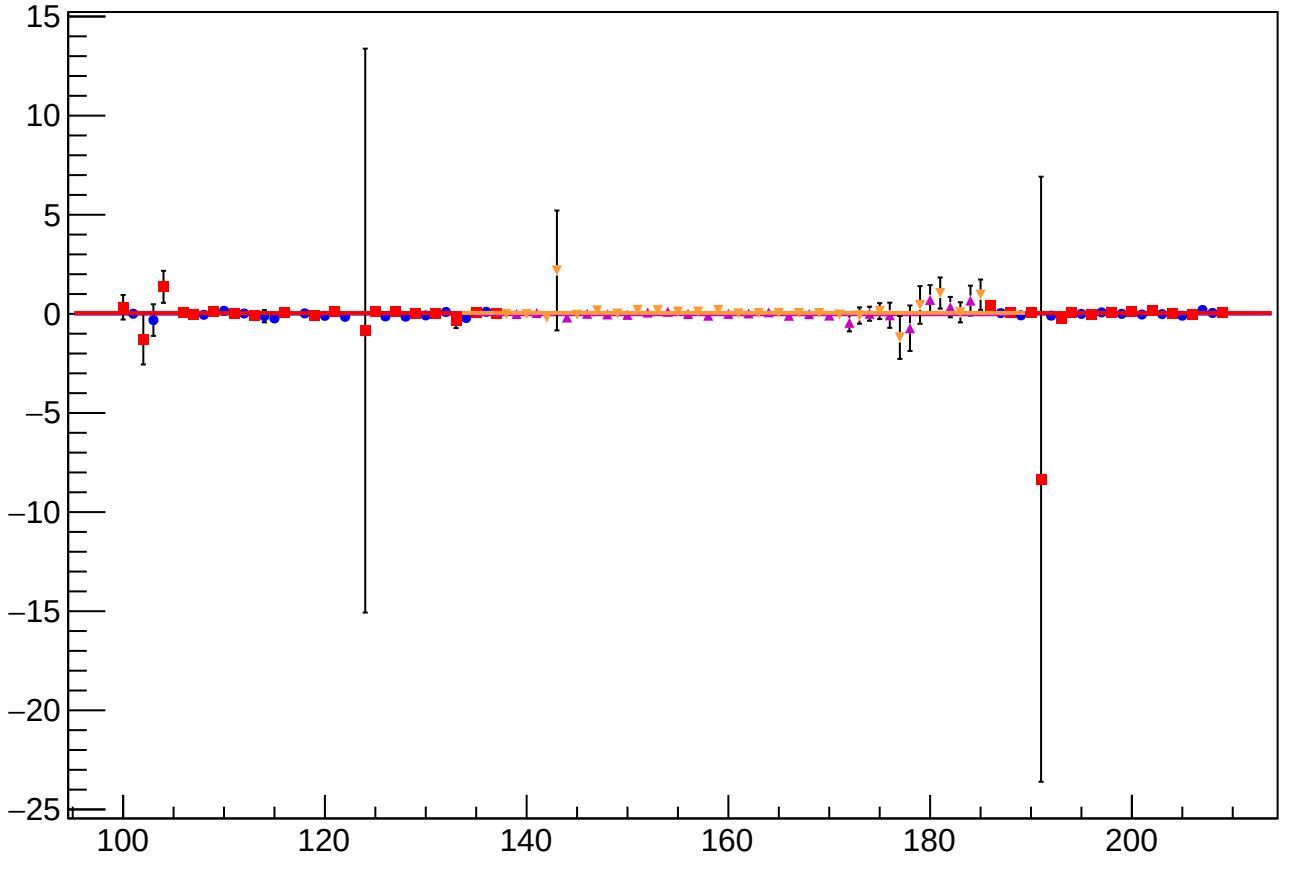
Right: -0.000+/-0.000 χ^2/NDF: 65.8/58

In: -0.000+/-0.000 χ^2/NDF:56.5/49

Out: -0.000+/-0.000 χ^2/NDF:63.2/56

All: -0.000+/-0.000 χ^2/NDF: 119.7/106


asym_at2_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected
0.025
0.02
0.015
0.01
0.005
100
120
140
160
180
200
Right In: 0.004+/-0.000 χ²/NDF: 11156257.4/26
Left Out: 0.003+/-0.000 χ²/NDF:14248948.0/24
Right Out: 0.004+/-0.000 χ²/NDF: 13023331.6/31
Left In: 0.003+/-0.000 χ²/NDF:12566501.1/22
Left: 0.003+/-0.000 χ²/NDF: 26820032.9/47
Right: 0.004+/-0.000 χ²/NDF: 24185080.2/58
In: 0.004+/-0.000 χ²/NDF:24201131.7/49
Out: 0.004+/-0.000 χ²/NDF:27616806.1/56
All: 0.004+/-0.000 χ²/NDF: 51819128.6/106



Right In: 0.018+/-0.019 χ^2/NDF: 29.2/26

Left Out: 0.050+/-0.017 χ^2/NDF:24.5/24

Right Out: 0.040+/-0.018 χ^2/NDF: 25.5/31

Left In: -0.019+/-0.017 χ^2/NDF:15.4/22

Left: 0.016+/-0.012 χ^2/NDF: 48.0/47

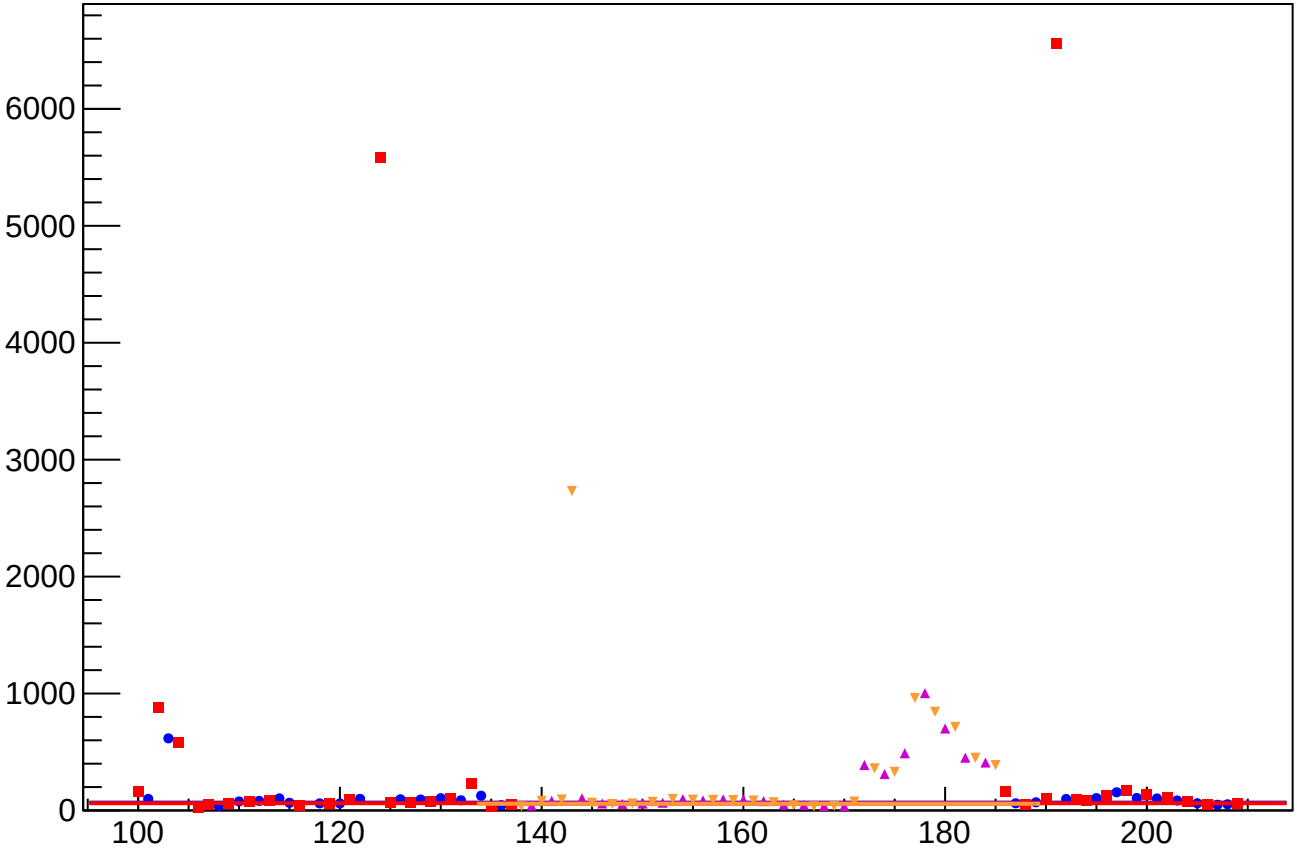
Right: 0.029+/-0.013 χ^2/NDF: 55.4/58

In: -0.003+/-0.013 χ^2/NDF:46.6/49

Out: 0.045+/-0.012 χ^2/NDF:50.1/56

All: 0.022+/-0.009 χ^2/NDF: 104.0/106

asym_at2_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 66.793+/-0.013 χ^2/NDF: 4202686.0/26

Left Out: 57.258+/-0.012 χ^2/NDF:12321763.3/24

Right Out: 61.891+/-0.013 χ^2/NDF: 7272754.1/31

Left In: 58.582+/-0.012 χ^2/NDF:10247153.8/22

Left: 57.916+/-0.009 χ^2/NDF: 22574928.3/47

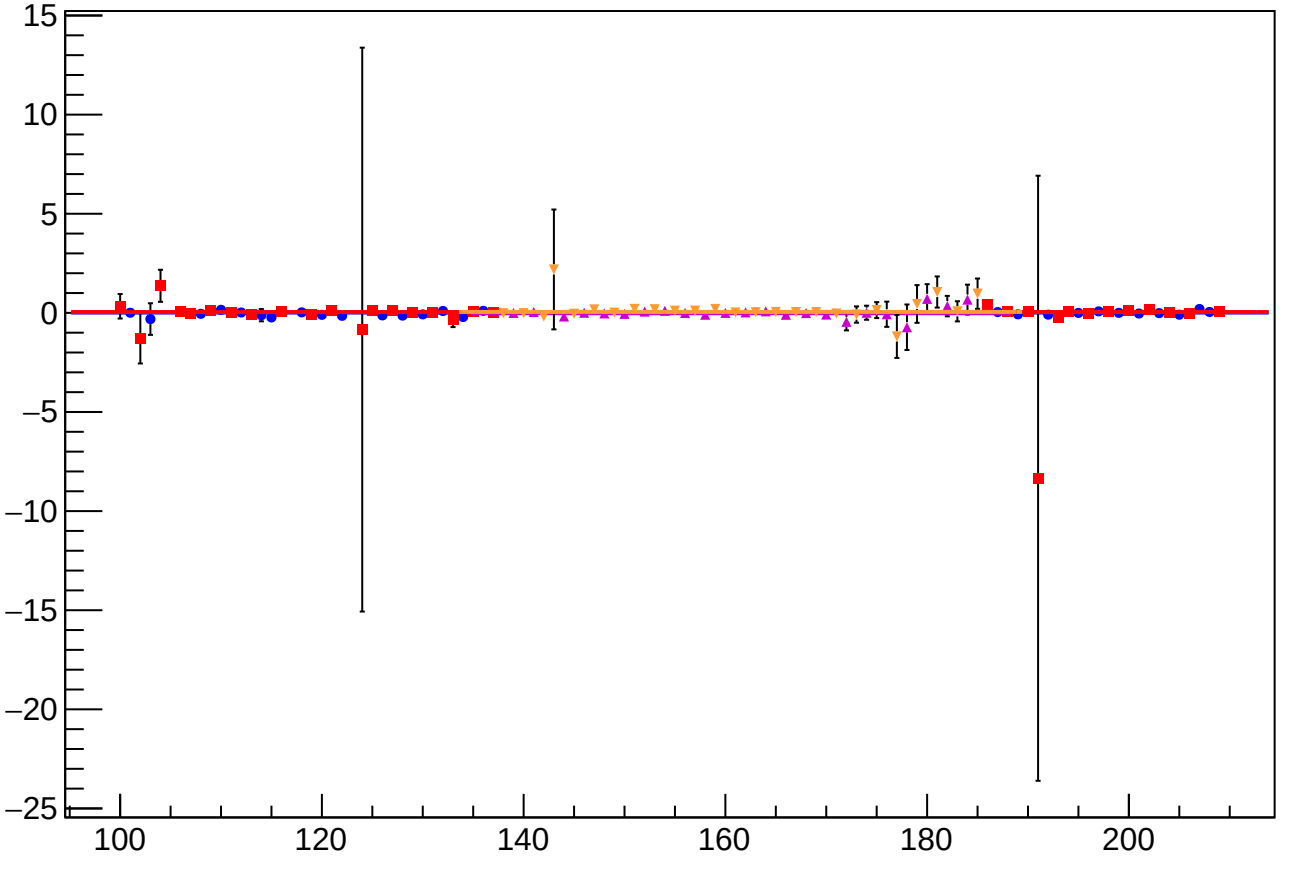
Right: 64.215+/-0.009 χ^2/NDF: 11545718.6/58

In: 62.272+/-0.009 χ^2/NDF:14656317.5/49

Out: 59.445+/-0.009 χ^2/NDF:19664399.5/56

All: 60.820+/-0.006 χ^2/NDF: 34371503.0/106

asym_at2_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.018+/-0.019 χ^2/NDF: 29.2/26

Left Out: 0.050+/-0.017 χ^2/NDF:24.5/24

Right Out: 0.040+/-0.018 χ^2/NDF: 25.5/31

Left In: -0.019+/-0.017 χ^2/NDF:15.4/22

Left: 0.016+/-0.012 χ^2/NDF: 48.0/47

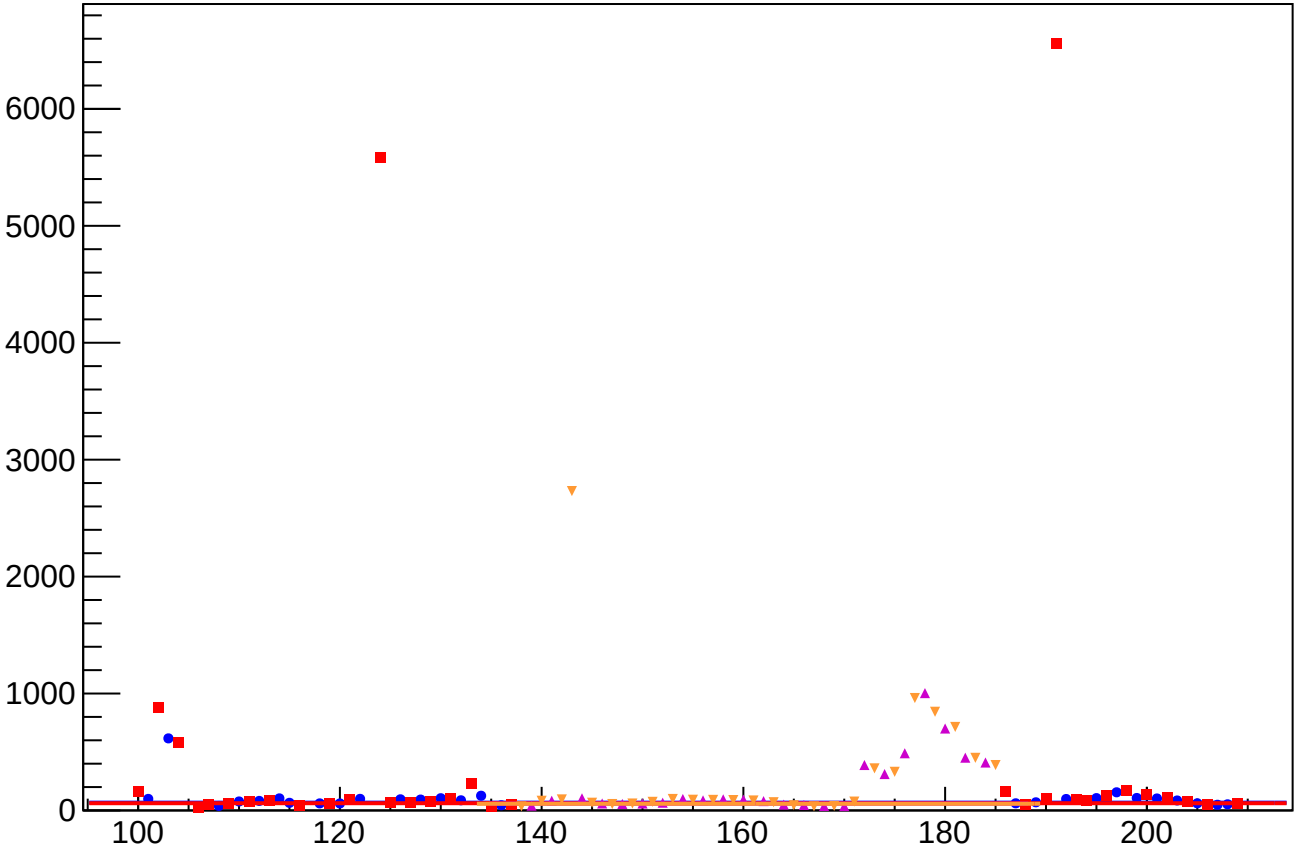
Right: 0.029+/-0.013 χ^2/NDF: 55.4/58

In: -0.003+/-0.013 χ^2/NDF:46.6/49

Out: 0.045+/-0.012 χ^2/NDF:50.1/56

All: 0.022+/-0.009 χ^2/NDF: 104.0/106

asym_at2_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 66.793+/-0.013 χ^2/NDF: 4202686.0/26

Left Out: 57.258+/-0.012 χ^2/NDF:12321763.3/24

Right Out: 61.891+/-0.013 χ^2/NDF: 7272754.1/31

Left In: 58.582+/-0.012 χ^2/NDF:10247153.8/22

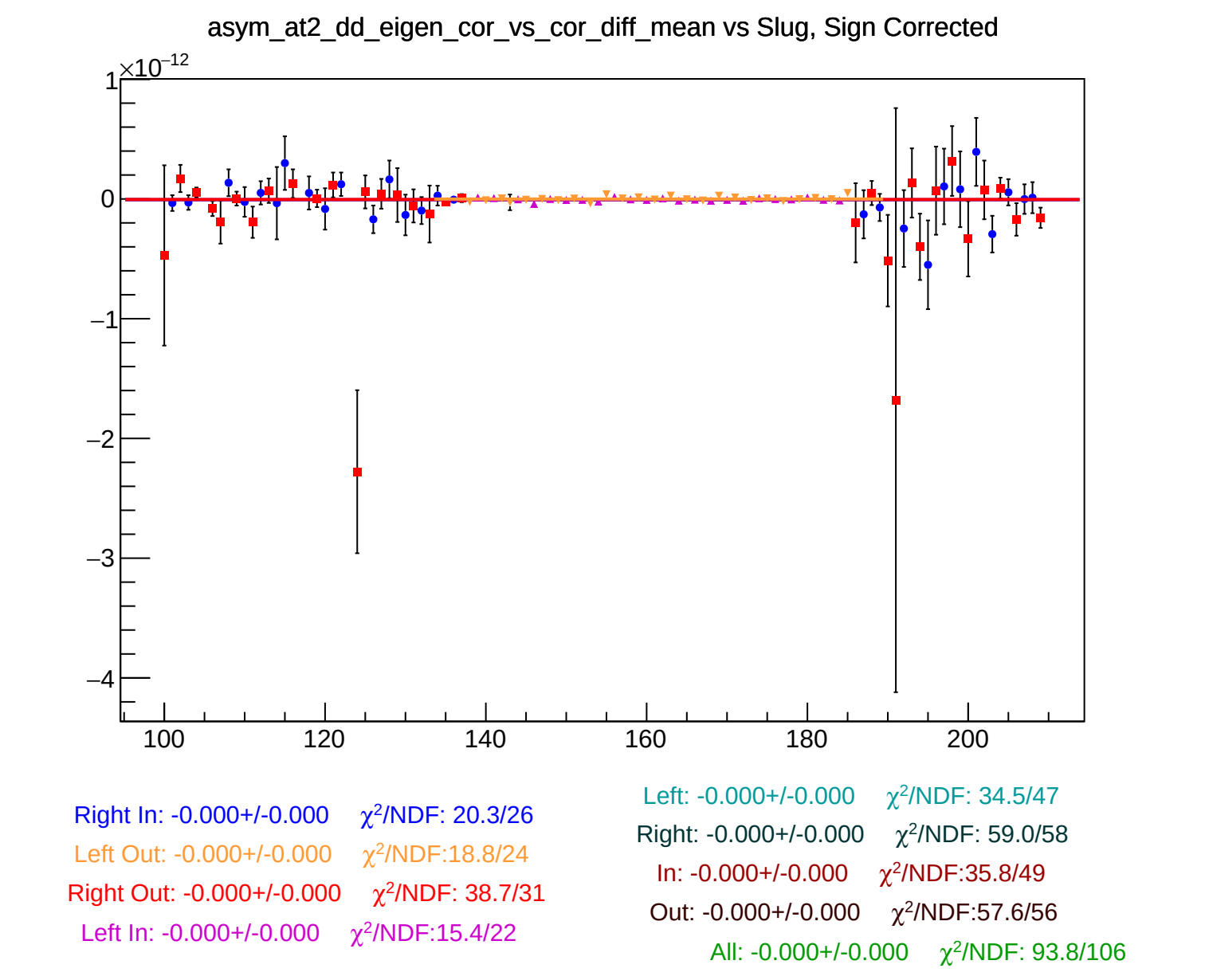
Left: 57.916+/-0.009 χ^2/NDF: 22574928.3/47

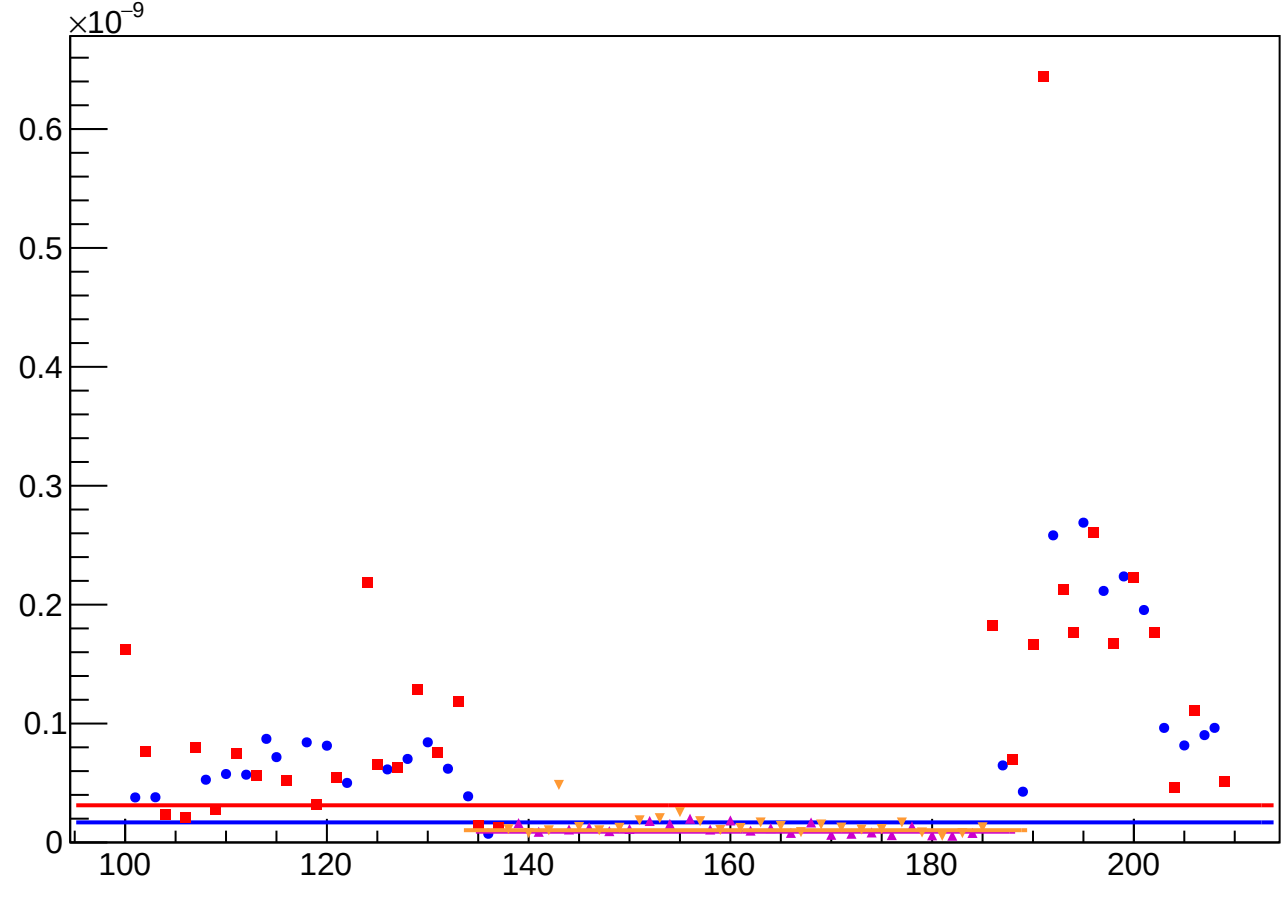
Right: 64.215+/-0.009 χ^2/NDF: 11545718.6/58

In: 62.272+/-0.009 χ^2/NDF:14656317.5/49

Out: 59.445+/-0.009 χ^2/NDF:19664399.5/56

All: 60.820+/-0.006 χ^2/NDF: 34371503.0/106


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
Right In: -0.000+/-0.000 χ²/NDF: 20.3/26
Left Out: -0.000+/-0.000 χ²/NDF:18.8/24
Right Out: -0.000+/-0.000 χ²/NDF: 38.7/31
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: 59.0/58
In: -0.000+/-0.000 χ²/NDF:35.8/49
Out: -0.000+/-0.000 χ²/NDF:57.6/56
All: -0.000+/-0.000 χ²/NDF: 93.8/106



Right In: 0.000+/-0.000 χ^2/NDF: 12586563.0/26

Left Out: 0.000+/-0.000 χ^2/NDF:3643428.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 9863089.8/31

Left In: 0.000+/-0.000 χ^2/NDF:3047861.1/22

Left: 0.000+/-0.000 χ^2/NDF: 6877548.0/47

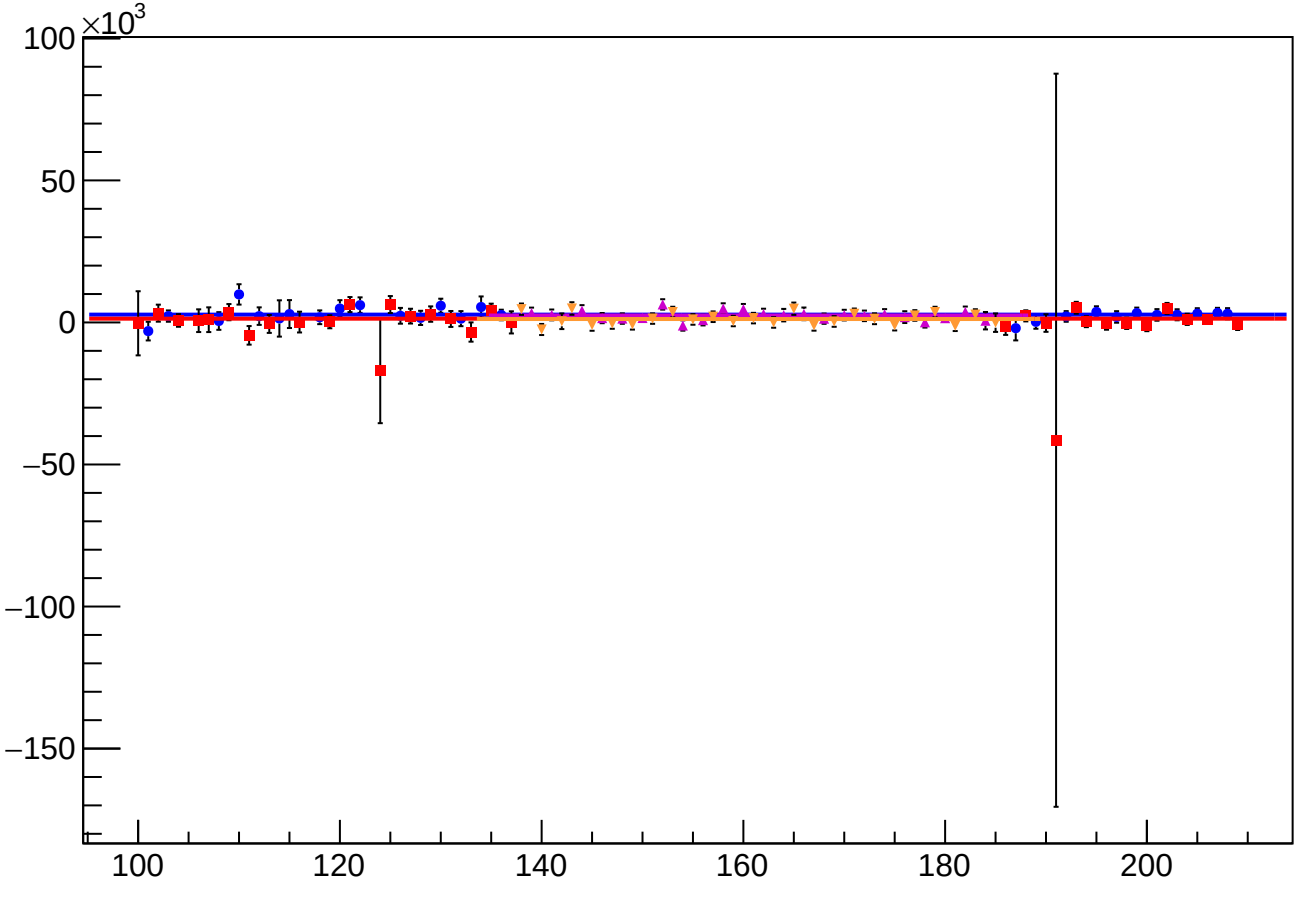
Right: 0.000+/-0.000 χ^2/NDF: 23809131.9/58

In: 0.000+/-0.000 χ^2/NDF:16759284.0/49

Out: 0.000+/-0.000 χ^2/NDF:17642718.3/56

All: 0.000+/-0.000 χ^2/NDF: 34719423.9/106

reg_asym_atl1r2_avg_mean vs Slug, Sign Corrected



Right In: 2748.567+/-461.525 χ^2/NDF: 15.6/26

Left Out: 1202.401+/-389.137 χ^2/NDF:26.3/24

Right Out: 1325.223+/-454.270 χ^2/NDF: 28.7/31

Left In: 2439.008+/-397.969 χ^2/NDF:17.5/22

Left: 1806.830+/-278.231 χ^2/NDF: 48.7/47

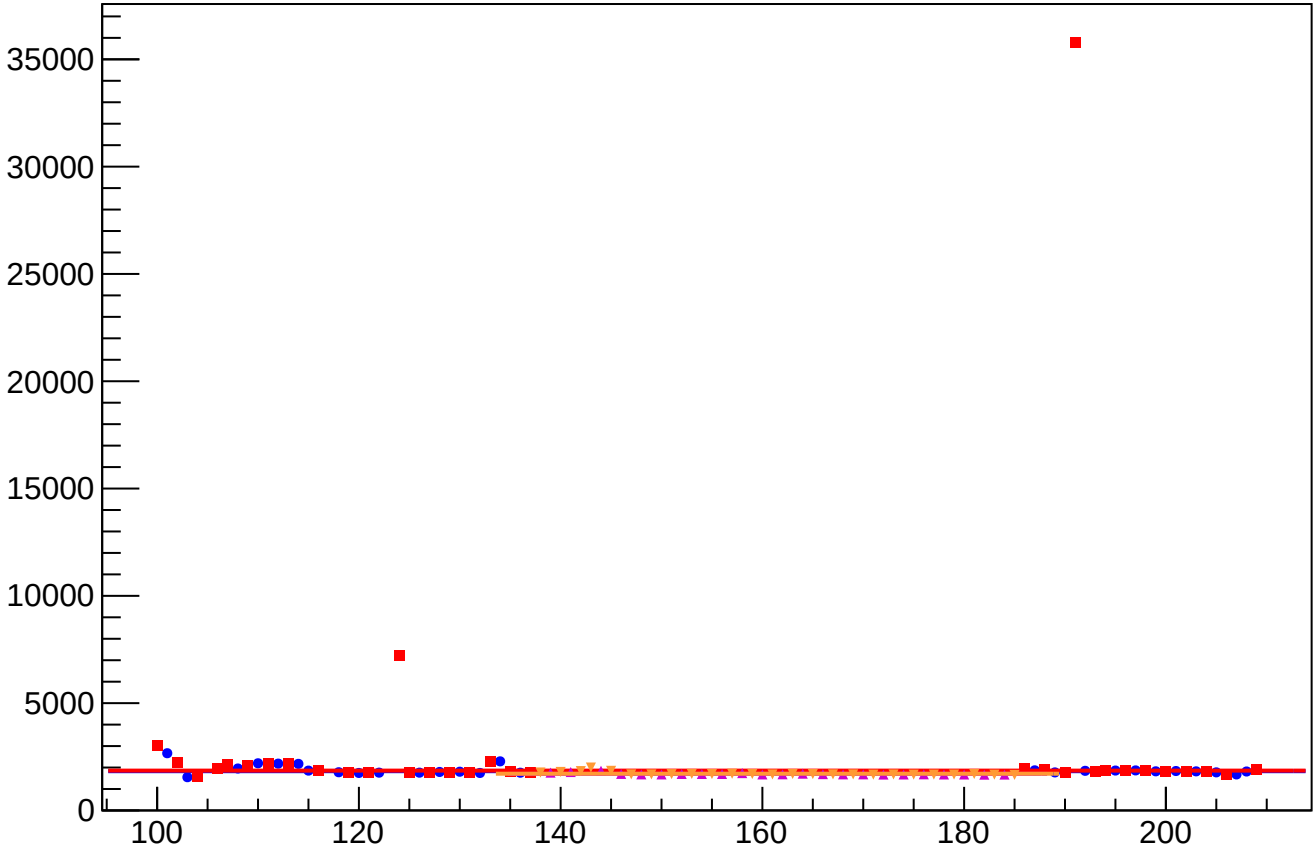
Right: 2025.620+/-323.752 χ^2/NDF: 49.1/58

In: 2571.021+/-301.392 χ^2/NDF:33.3/49

Out: 1254.383+/-295.531 χ^2/NDF:55.0/56

All: 1899.775+/-211.014 χ^2/NDF: 98.1/106

reg_asym_atl1r2_avg_rms vs Slug, Sign Corrected



Right In: 1829.130+/-0.326 χ^2/NDF: 284407.9/26

Left Out: 1711.777+/-0.275 χ^2/NDF:60068.7/24

Right Out: 1856.758+/-0.321 χ^2/NDF: 543144.2/31

Left In: 1703.969+/-0.281 χ^2/NDF:22568.8/22

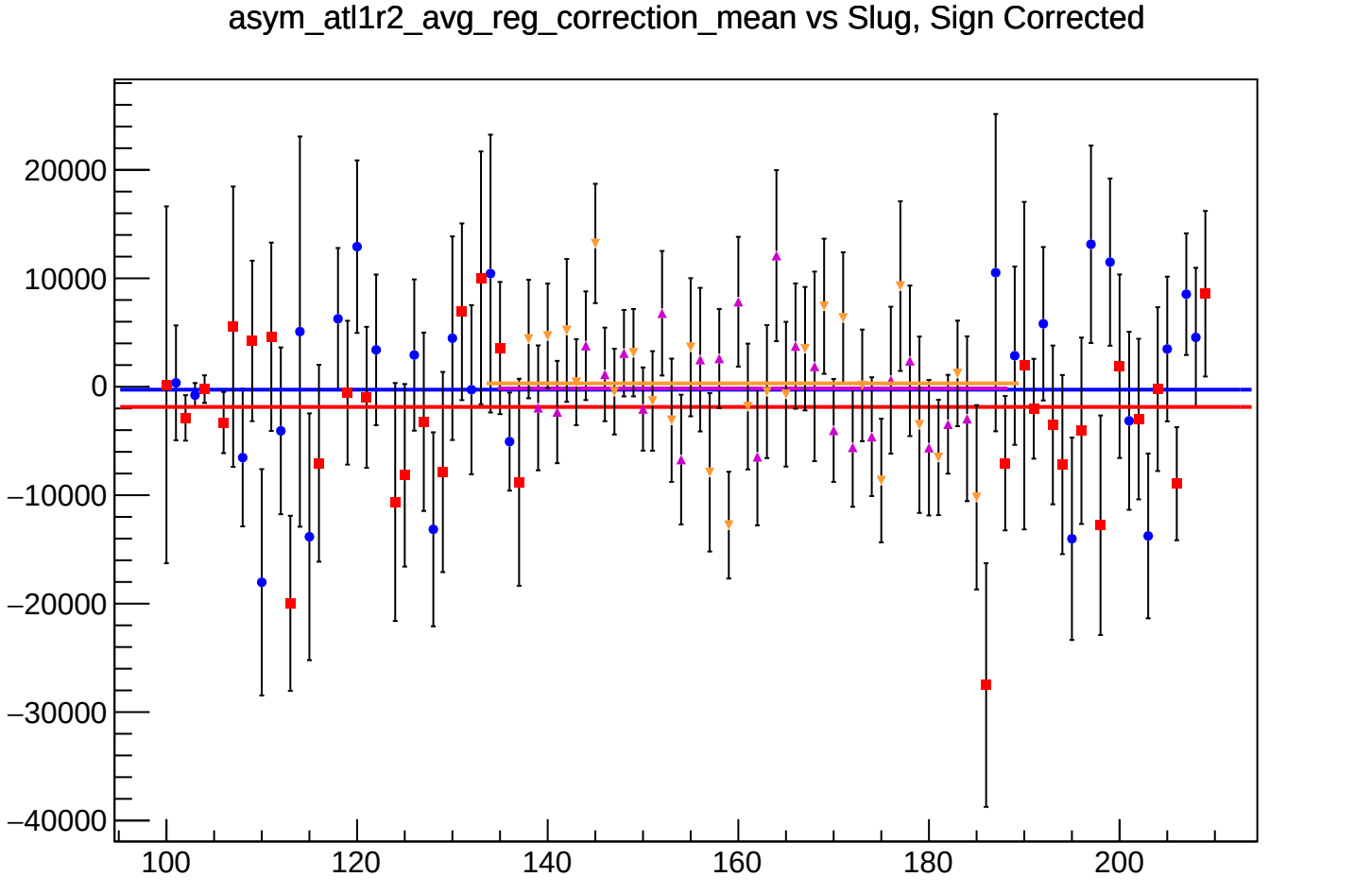
Left: 1707.960+/-0.197 χ^2/NDF: 83031.0/47

Right: 1843.176+/-0.229 χ^2/NDF: 831196.0/58

In: 1757.345+/-0.213 χ^2/NDF:391337.7/49

Out: 1773.205+/-0.209 χ^2/NDF:720840.8/56

All: 1765.434+/-0.149 χ^2/NDF: 1115003.4/10



Right In: -268.068+/-887.691 χ^2/NDF: 28.9/26

Left Out: 314.051+/-1091.976 χ^2/NDF:27.0/24

Right Out: -1860.771+/-833.947 χ^2/NDF: 26.0/31

Left In: -157.968+/-1128.443 χ^2/NDF:14.7/22

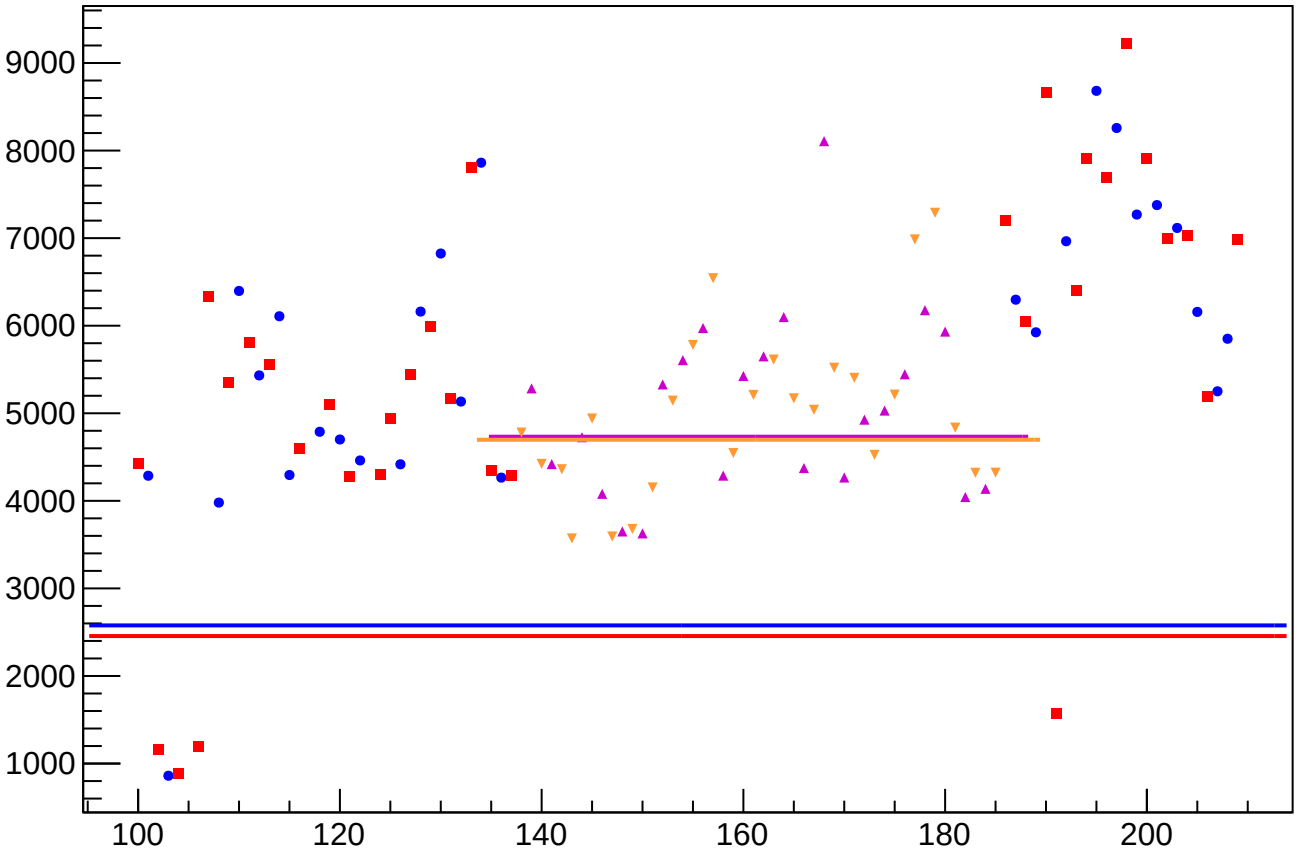
Left: 85.792+/-784.719 χ^2/NDF: 41.8/47

Right: -1114.090+/-607.802 χ^2/NDF: 56.6/58

In: -225.980+/-697.690 χ^2/NDF:43.6/49

Out: -1059.598+/-662.773 χ^2/NDF:55.5/56

All: -664.171+/-480.521 χ^2/NDF: 99.9/106



Right In: 2577.523+/-0.628 χ^2/NDF: 14493928.6/26

Left Out: 4697.622+/-0.772 χ^2/NDF:1239373.0/24

Right Out: 2455.831+/-0.590 χ^2/NDF: 15672916.4/31

Left In: 4732.424+/-0.798 χ^2/NDF:1242793.9/22

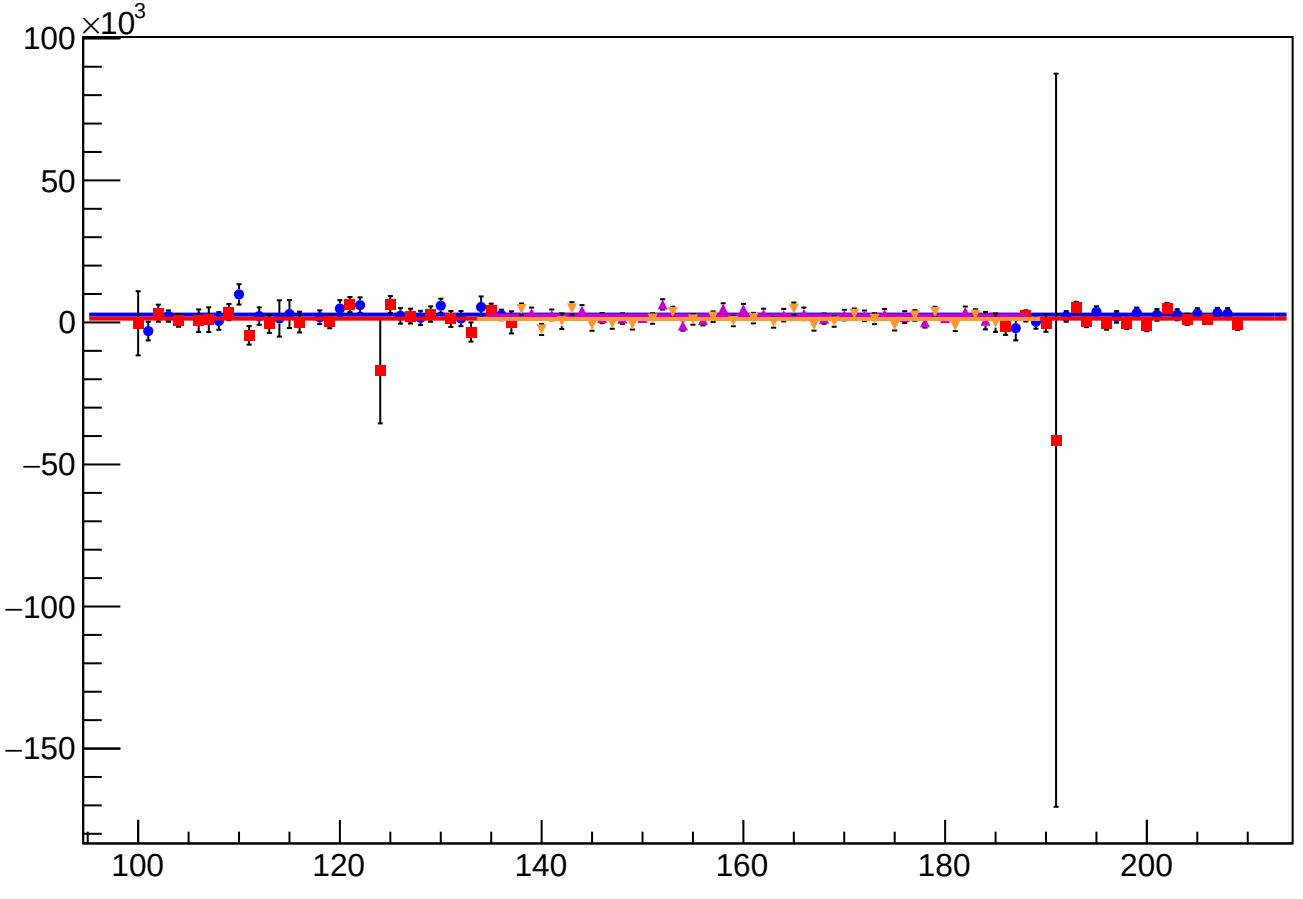
Left: 4714.452+/-0.555 χ^2/NDF: 2483149.3/47

Right: 2512.882+/-0.430 χ^2/NDF: 30186810.3/58

In: 3401.269+/-0.493 χ^2/NDF:20242052.2/49

Out: 3281.675+/-0.469 χ^2/NDF:22236387.0/56

All: 3338.404+/-0.340 χ^2/NDF: 42509329.3/



Right In: 2748.725+/-461.525 χ^2/NDF: 15.6/26

Left Out: 1202.304+/-389.137 χ^2/NDF:26.3/24

Right Out: 1324.688+/-454.270 χ^2/NDF: 28.7/31

Left In: 2438.940+/-397.969 χ^2/NDF:17.5/22

Left: 1806.747+/-278.231 χ^2/NDF: 48.7/47

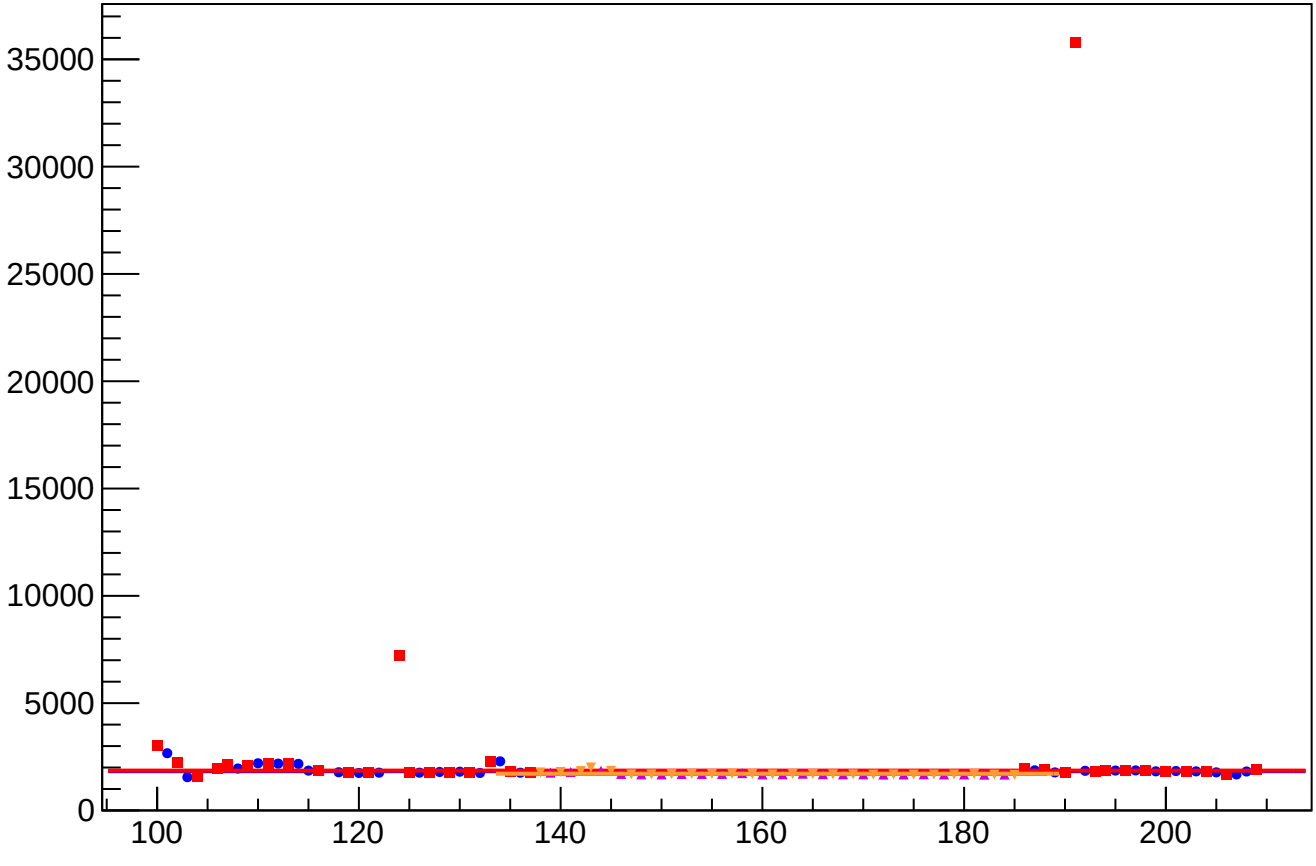
Right: 2025.426+/-323.752 χ^2/NDF: 49.1/58

In: 2571.049+/-301.392 χ^2/NDF:33.3/49

Out: 1254.101+/-295.531 χ^2/NDF:55.0/56

All: 1899.644+/-211.014 χ^2/NDF: 98.1/106

cor_asym_atl1r2_avg_rms vs Slug, Sign Corrected



Right In: 1829.130+/-0.326 χ^2/NDF: 284407.8/26

Left Out: 1711.777+/-0.275 χ^2/NDF:60068.7/24

Right Out: 1856.941+/-0.321 χ^2/NDF: 543512.0/31

Left In: 1703.969+/-0.281 χ^2/NDF:22568.8/22

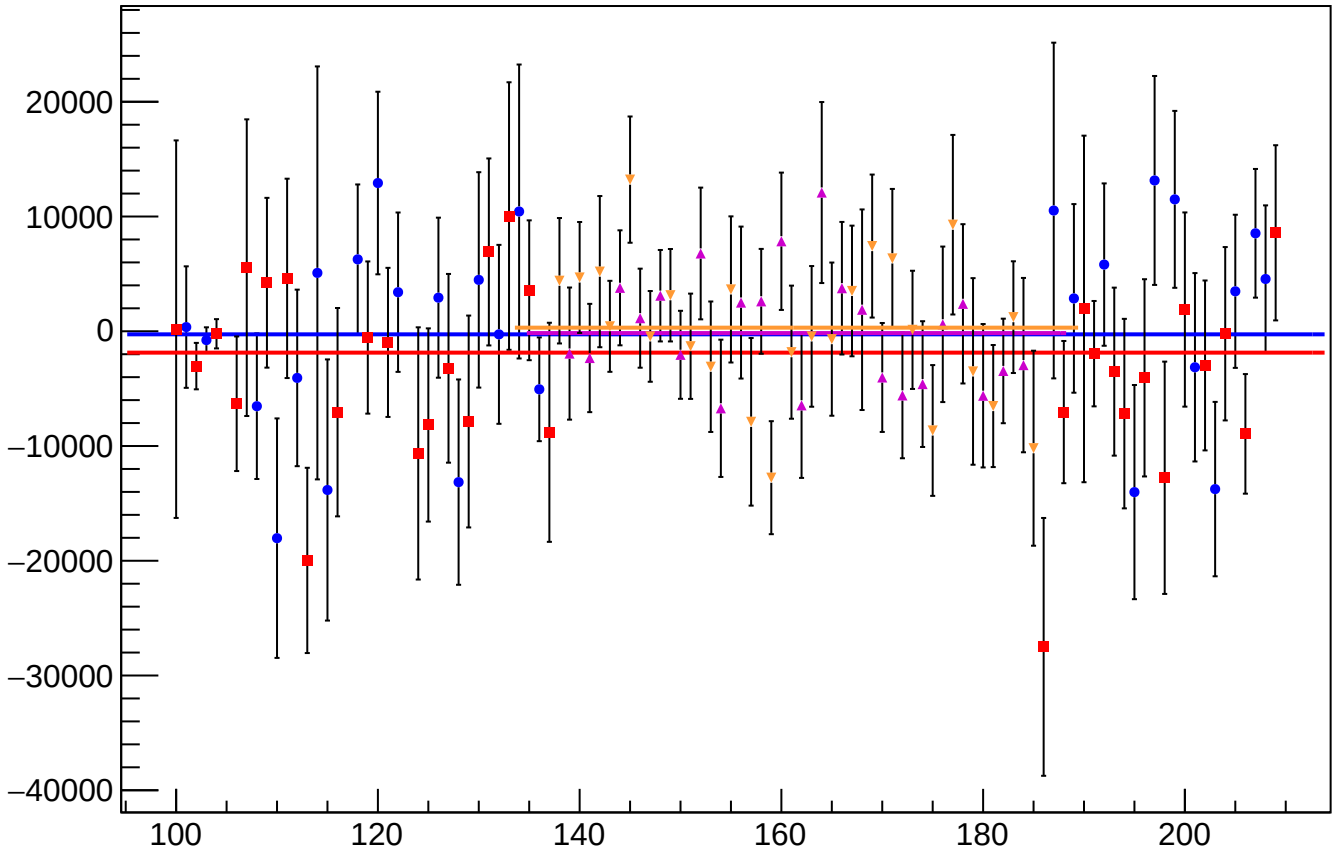
Left: 1707.960+/-0.197 χ^2/NDF: 83031.0/47

Right: 1843.268+/-0.229 χ^2/NDF: 831611.8/58

In: 1757.345+/-0.213 χ^2/NDF:391337.6/49

Out: 1773.276+/-0.209 χ^2/NDF:721493.3/56

All: 1765.470+/-0.149 χ^2/NDF: 1115681.0/10



Right In: -267.687+/-887.650 χ^2/NDF: 28.9/26

Left Out: 314.084+/-1091.975 χ^2/NDF:27.0/24

Right Out: -1862.767+/-857.984 χ^2/NDF: 26.4/31

Left In: -157.977+/-1128.443 χ^2/NDF:14.7/22

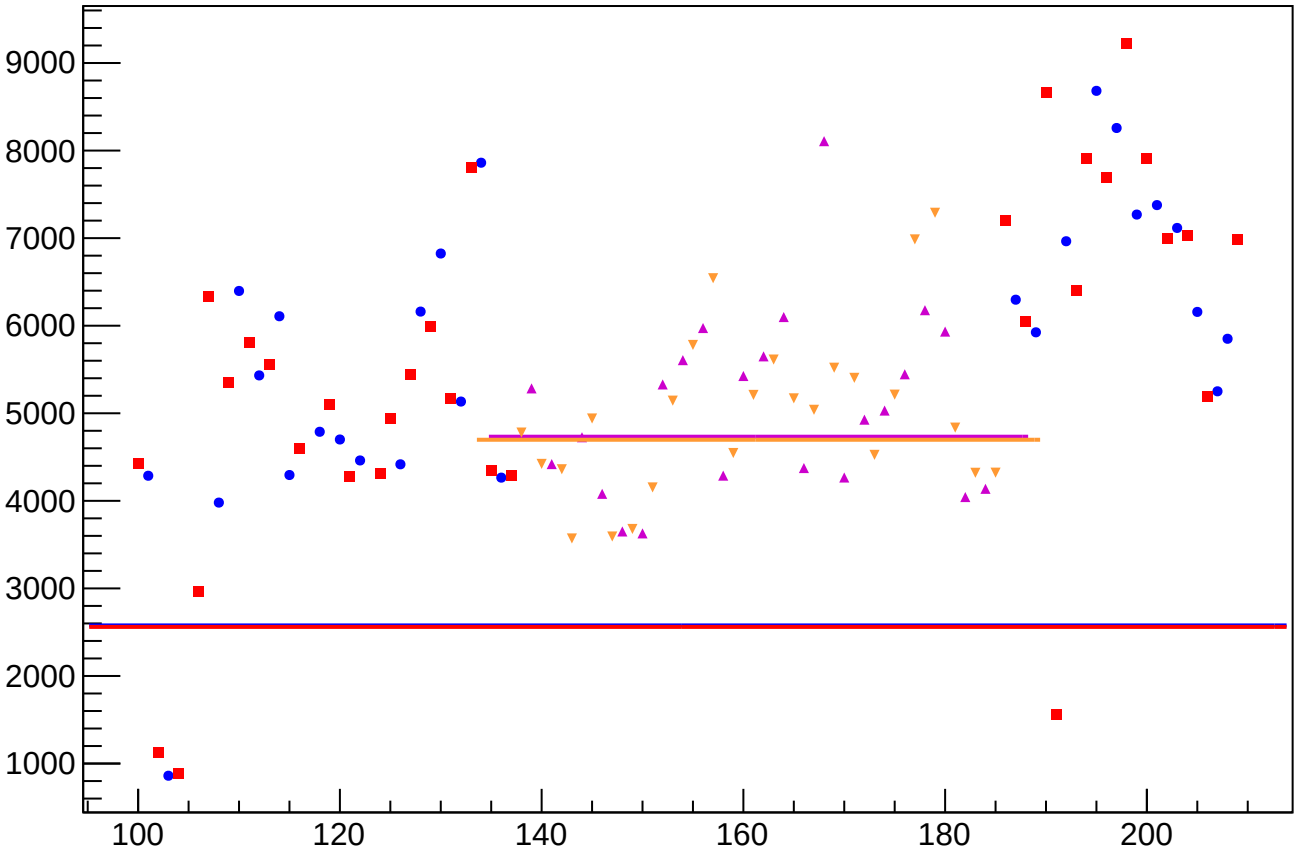
Left: 85.804+/-784.719 χ^2/NDF: 41.8/47

Right: -1092.326+/-616.907 χ^2/NDF: 57.0/58

In: -225.751+/-697.670 χ^2/NDF:43.6/49

Out: -1031.851+/-674.647 χ^2/NDF:55.9/56

All: -642.321+/-484.983 χ^2/NDF: 100.2/106



Right In: 2577.326+/-0.628 χ^2/NDF: 14494939.1/26

Left Out: 4697.618+/-0.772 χ^2/NDF:1239387.1/24

Right Out: 2560.410+/-0.607 χ^2/NDF: 15363820.8/31

Left In: 4732.421+/-0.798 χ^2/NDF:1242809.3/22

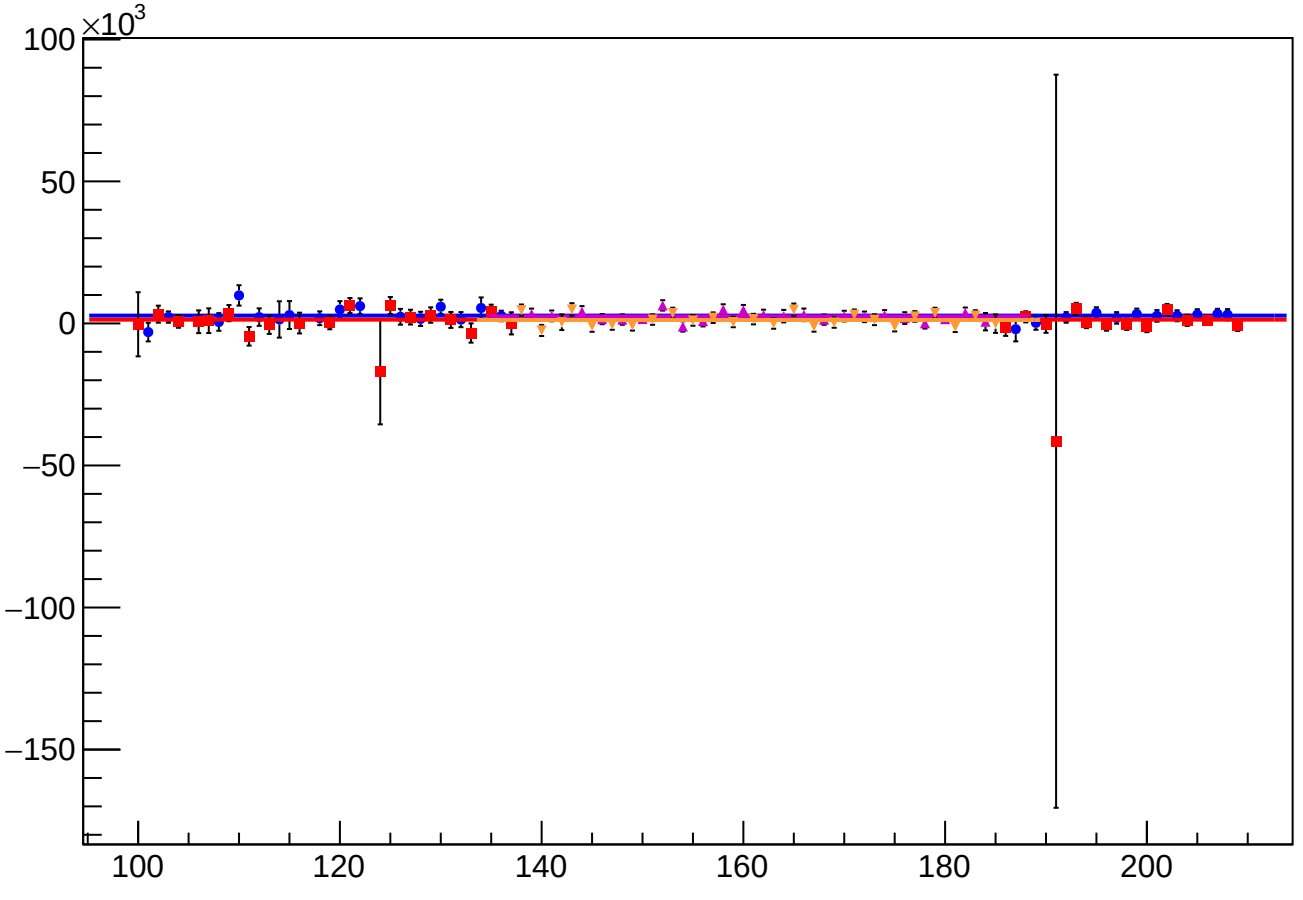
Left: 4714.448+/-0.555 χ^2/NDF: 2483178.9/47

Right: 2568.581+/-0.436 χ^2/NDF: 29859135.3/58

In: 3401.098+/-0.493 χ^2/NDF:20244054.8/49

Out: 3376.193+/-0.477 χ^2/NDF:21340101.2/56

All: 3388.228+/-0.343 χ^2/NDF: 41585473.0/1



Right In: 2748.725+/-461.525 χ^2/NDF: 15.6/26

Left Out: 1202.304+/-389.137 χ^2/NDF:26.3/24

Right Out: 1324.688+/-454.270 χ^2/NDF: 28.7/31

Left In: 2438.940+/-397.969 χ^2/NDF:17.5/22

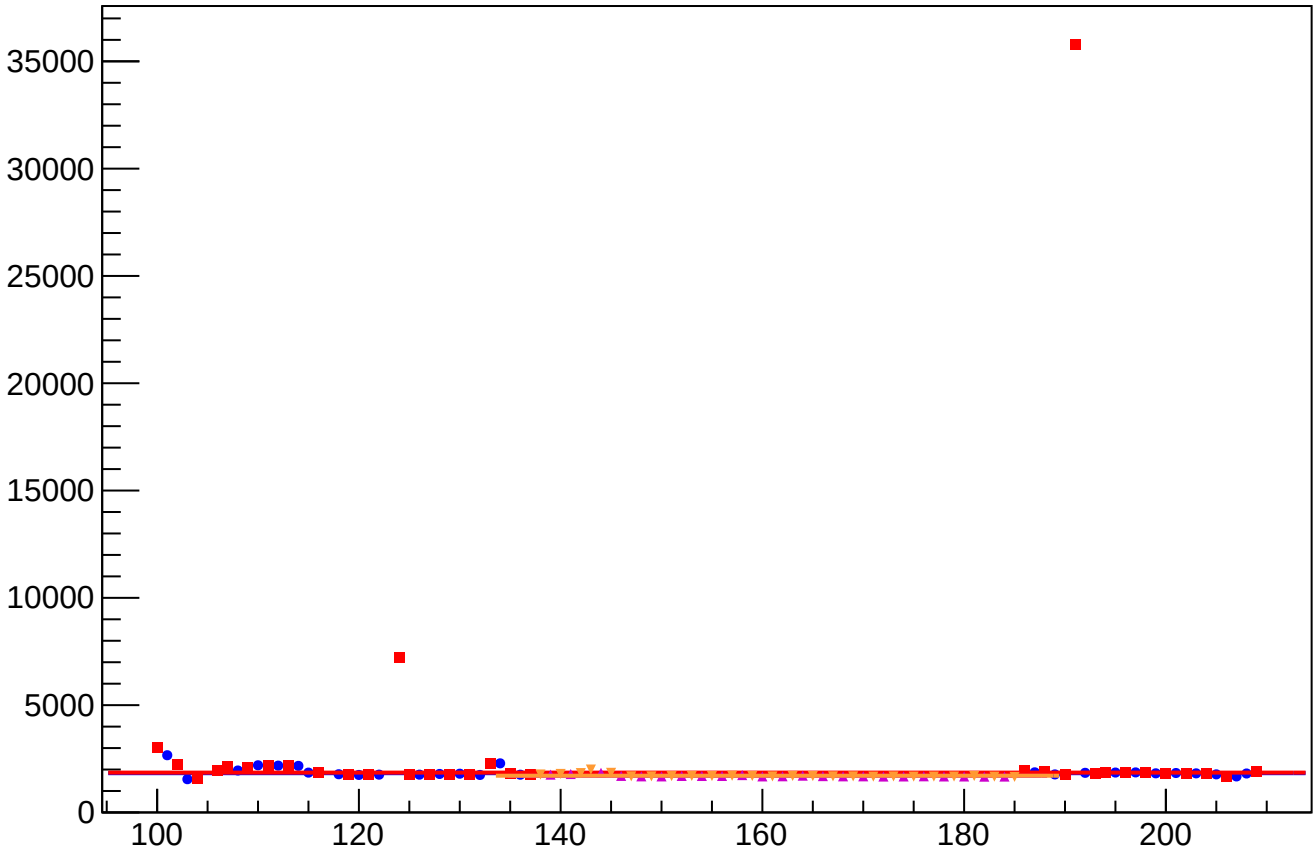
Left: 1806.747+/-278.231 χ^2/NDF: 48.7/47

Right: 2025.426+/-323.752 χ^2/NDF: 49.1/58

In: 2571.049+/-301.392 χ^2/NDF:33.3/49

Out: 1254.101+/-295.531 χ^2/NDF:55.0/56

All: 1899.644+/-211.014 χ^2/NDF: 98.1/106



Right In: 1829.130+/-0.326 χ^2/NDF: 284407.8/26

Left Out: 1711.777+/-0.275 χ^2/NDF:60068.7/24

Right Out: 1856.941+/-0.321 χ^2/NDF: 543512.0/31

Left In: 1703.969+/-0.281 χ^2/NDF:22568.8/22

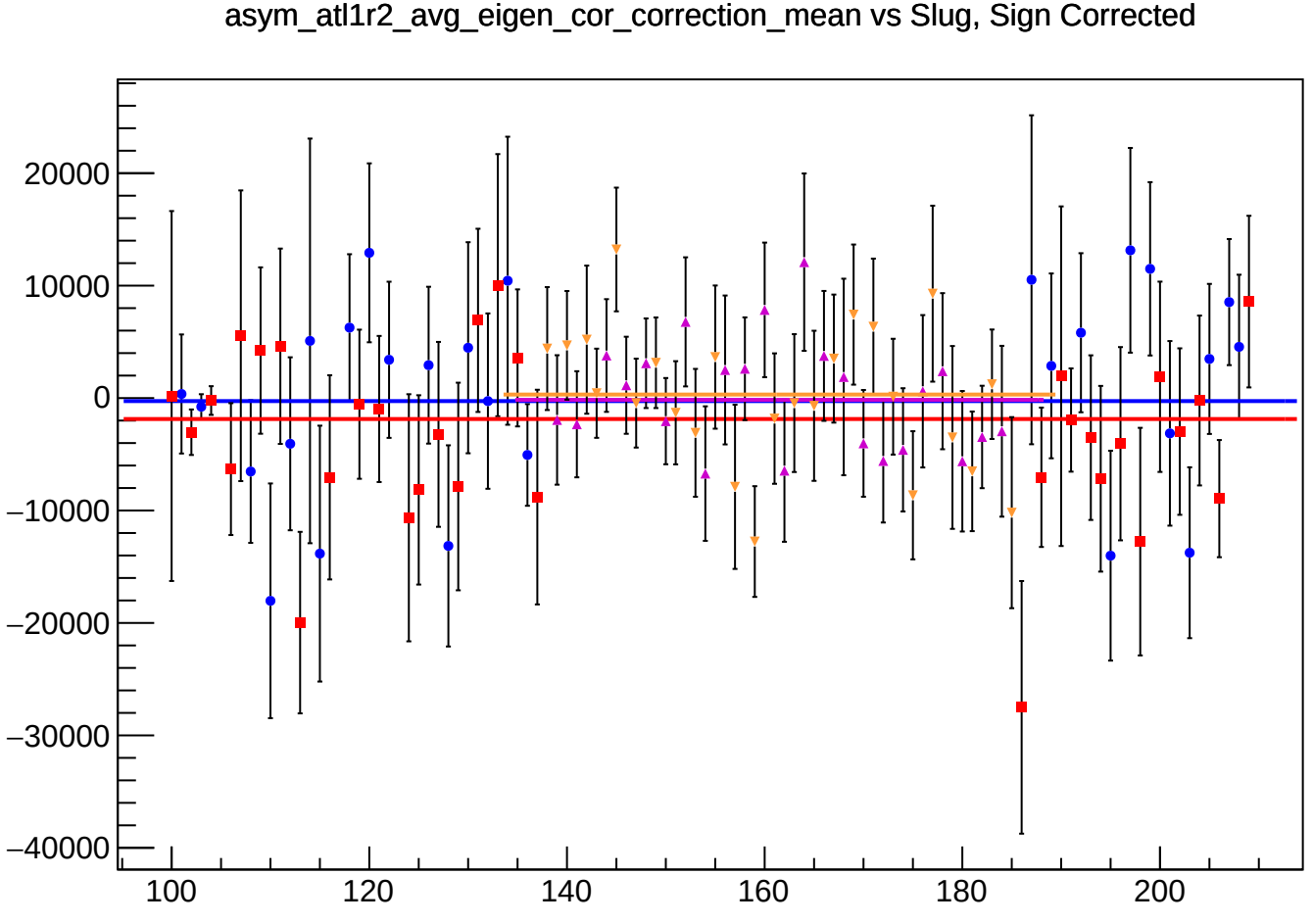
Left: 1707.960+/-0.197 χ^2/NDF: 83031.0/47

Right: 1843.268+/-0.229 χ^2/NDF: 831611.8/58

In: 1757.345+/-0.213 χ^2/NDF:391337.6/49

Out: 1773.276+/-0.209 χ^2/NDF:721493.3/56

All: 1765.470+/-0.149 χ^2/NDF: 1115681.0/10



Right In: -267.687+/-887.650 χ^2/NDF: 28.9/26

Left Out: 314.084+/-1091.975 χ^2/NDF:27.0/24

Right Out: -1862.767+/-857.984 χ^2/NDF: 26.4/31

Left In: -157.977+/-1128.443 χ^2/NDF:14.7/22

Left: 85.804+/-784.719 χ^2/NDF: 41.8/47

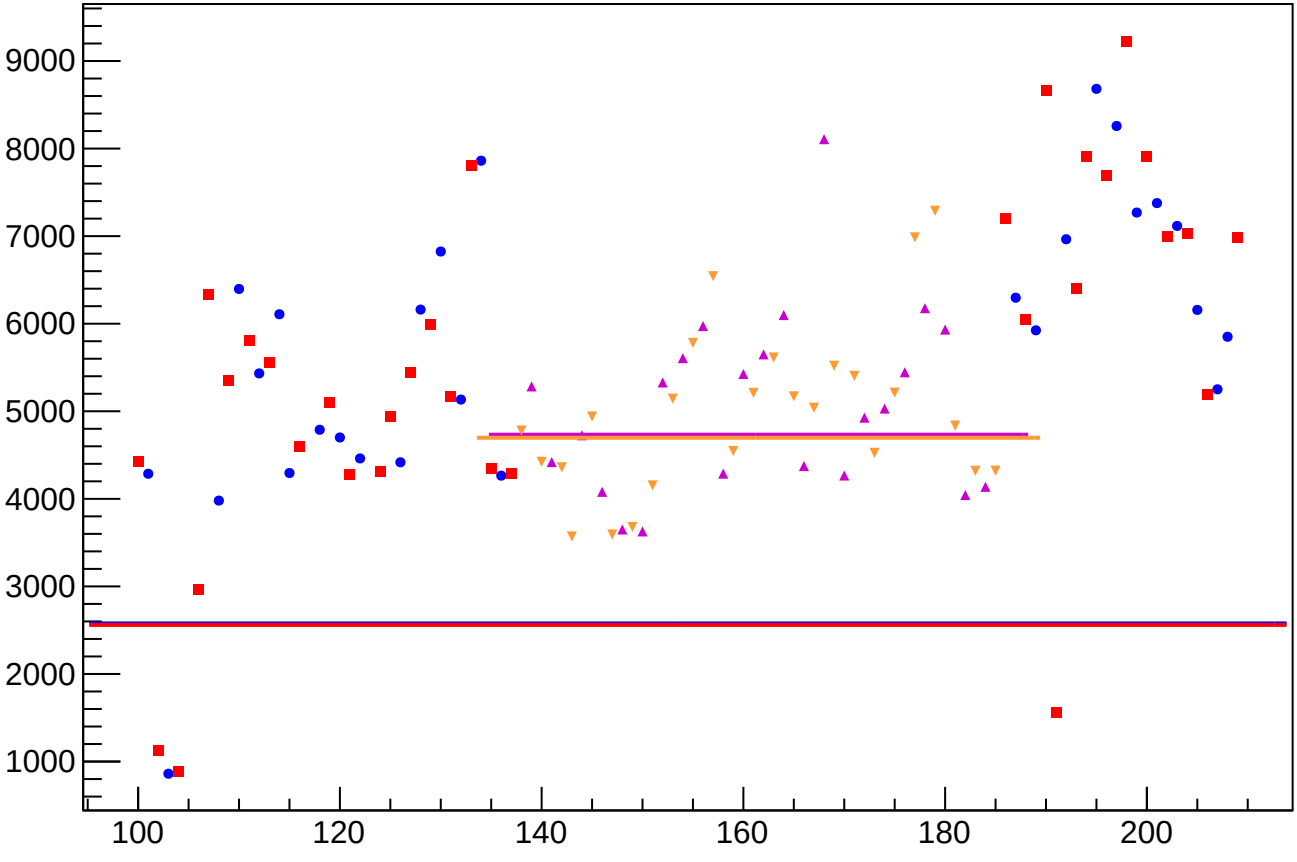
Right: -1092.326+/-616.907 χ^2/NDF: 57.0/58

In: -225.751+/-697.670 χ^2/NDF:43.6/49

Out: -1031.851+/-674.647 χ^2/NDF:55.9/56

All: -642.321+/-484.983 χ^2/NDF: 100.2/106

asym_atl1r2_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 2577.326+/-0.628 χ^2/NDF: 14494939.1/26

Left Out: 4697.618+/-0.772 χ^2/NDF:1239387.1/24

Right Out: 2560.410+/-0.607 χ^2/NDF: 15363820.8/31

Left In: 4732.421+/-0.798 χ^2/NDF:1242809.3/22

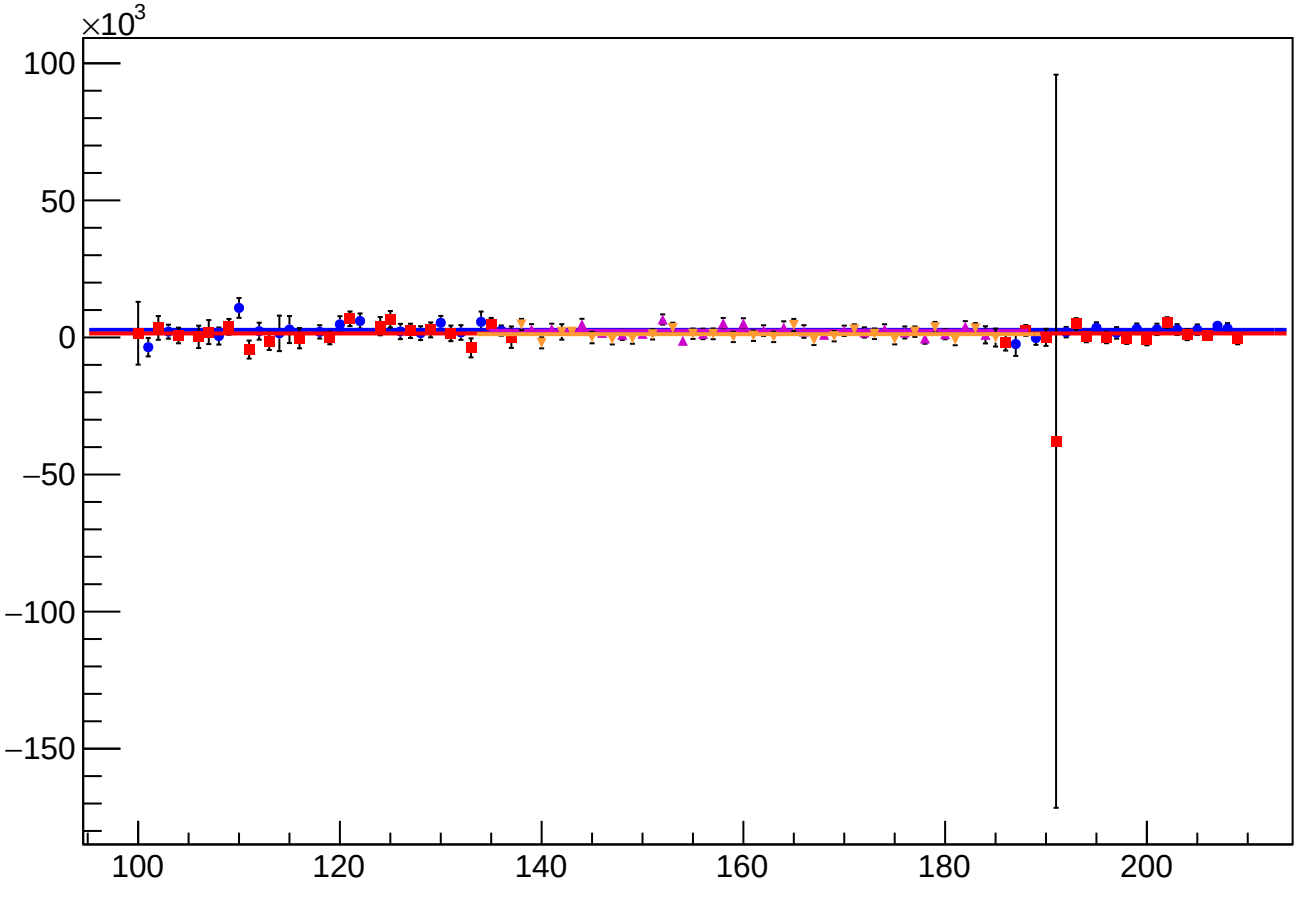
Left: 4714.448+/-0.555 χ^2/NDF: 2483178.9/47

Right: 2568.581+/-0.436 χ^2/NDF: 29859135.3/58

In: 3401.098+/-0.493 χ^2/NDF:20244054.8/49

Out: 3376.193+/-0.477 χ^2/NDF:21340101.2/56

All: 3388.228+/-0.343 χ^2/NDF: 41585473.0/1



Right In: 2774.206+/-471.889 χ^2/NDF: 17.3/26

Left Out: 1197.362+/-392.981 χ^2/NDF:19.5/24

Right Out: 1453.271+/-462.165 χ^2/NDF: 30.3/31

Left In: 2438.062+/-407.551 χ^2/NDF:20.6/22

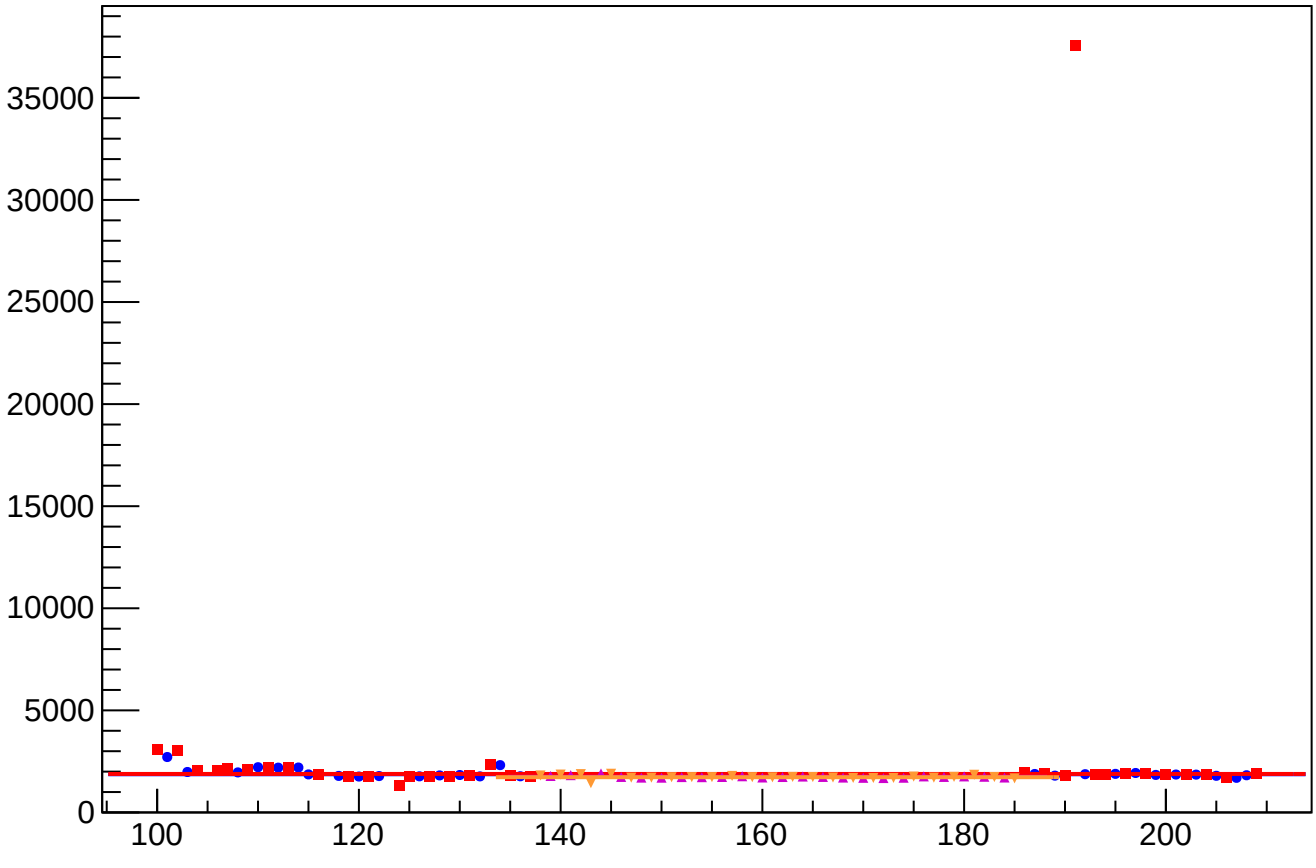
Left: 1795.138+/-282.890 χ^2/NDF: 44.9/47

Right: 2099.989+/-330.184 χ^2/NDF: 51.6/58

In: 2581.674+/-308.441 χ^2/NDF:38.2/49

Out: 1304.747+/-299.383 χ^2/NDF:49.9/56

All: 1924.186+/-214.827 χ^2/NDF: 96.9/106



Right In: 1870.534+/-0.334 χ^2/NDF: 251626.4/26

Left Out: 1727.235+/-0.278 χ^2/NDF:110270.9/24

Right Out: 1885.784+/-0.327 χ^2/NDF: 520782.7/31

Left In: 1744.633+/-0.288 χ^2/NDF:26798.0/22

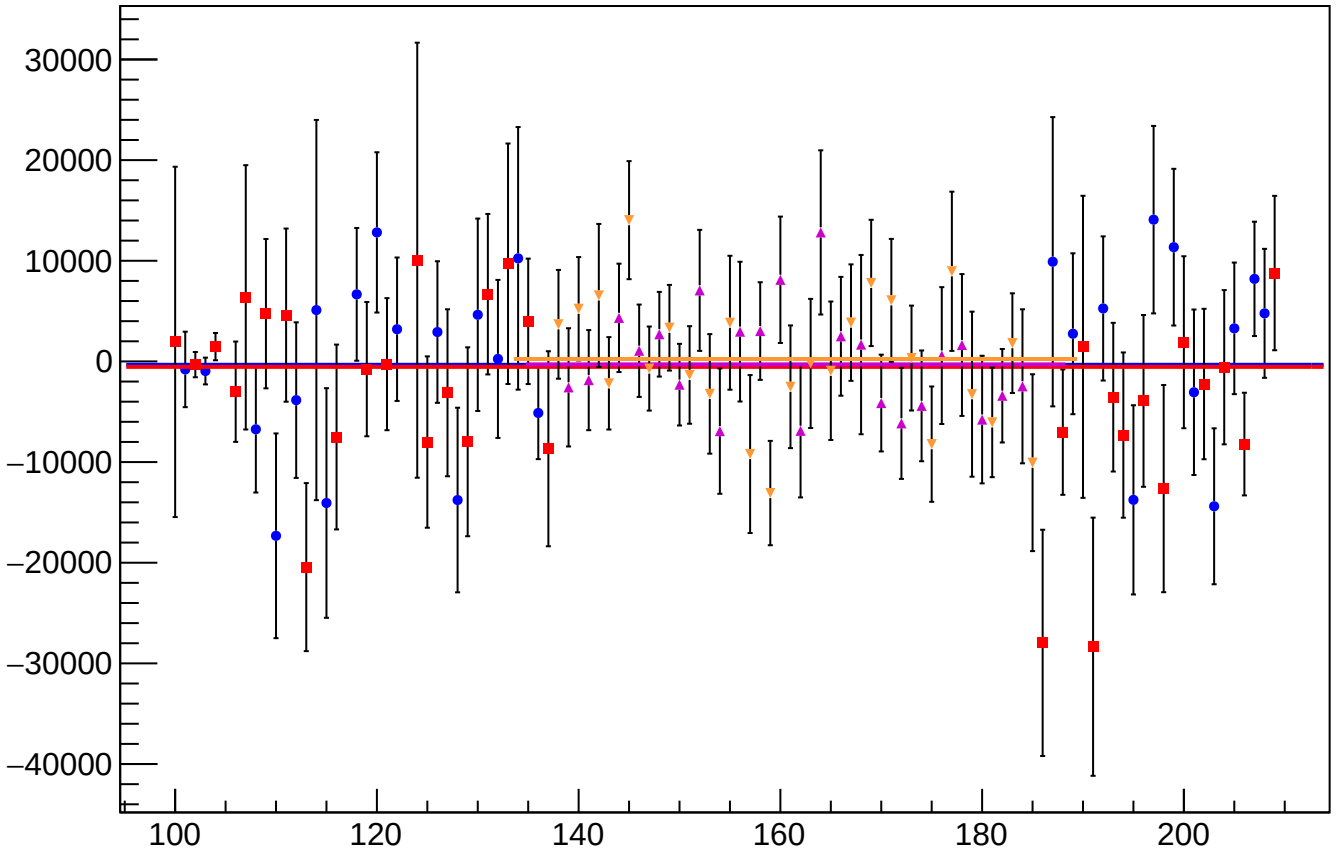
Left: 1735.617+/-0.200 χ^2/NDF: 138957.4/47

Right: 1878.320+/-0.233 χ^2/NDF: 773475.6/58

In: 1798.422+/-0.218 χ^2/NDF:359967.5/49

Out: 1793.792+/-0.212 χ^2/NDF:767713.7/56

All: 1796.037+/-0.152 χ^2/NDF: 1127913.3/10



Right In: -336.073+/-971.705 χ^2/NDF: 28.8/26

Left Out: 241.131+/-1140.961 χ^2/NDF:26.7/24

Right Out: -541.064+/-781.669 χ^2/NDF: 32.4/31

Left In: -306.106+/-1171.019 χ^2/NDF:14.5/22

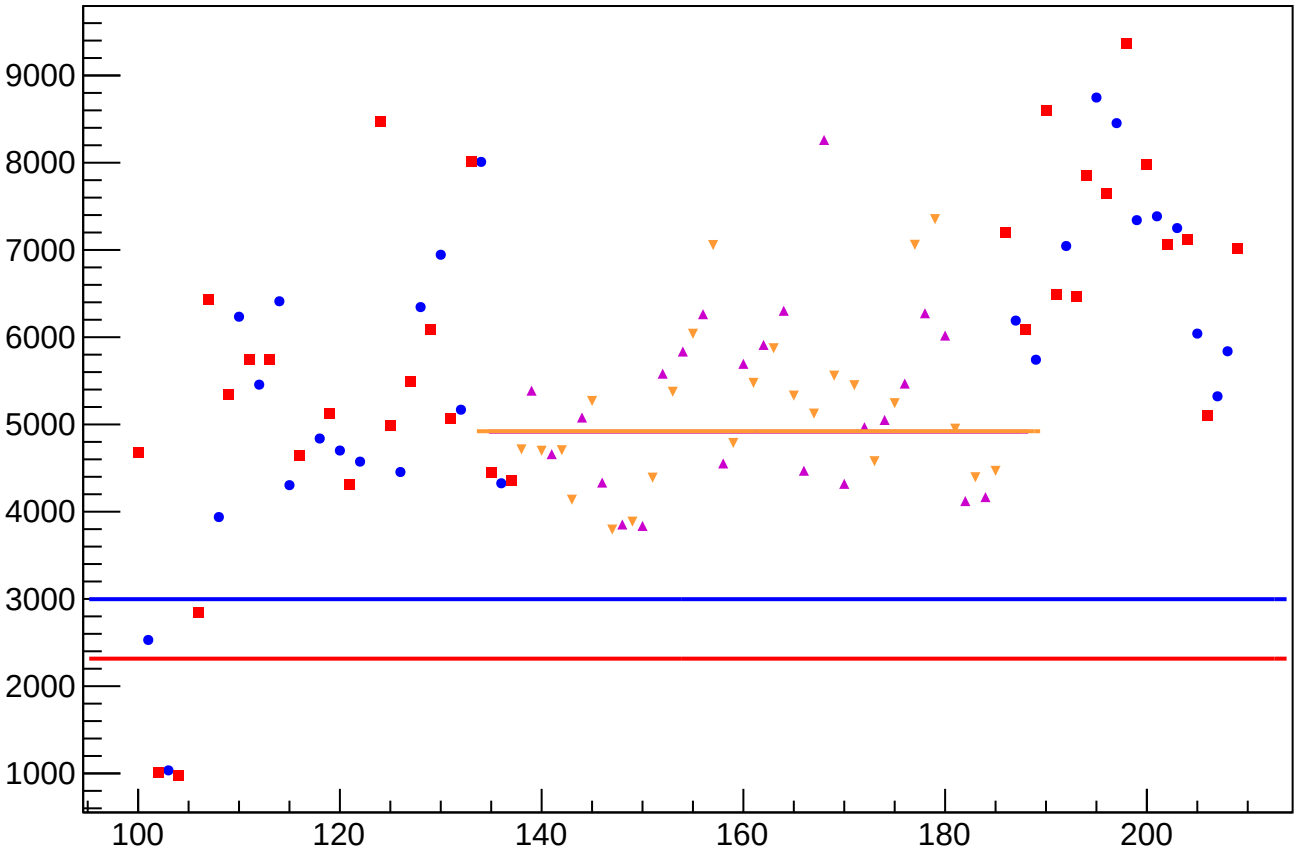
Left: -25.374+/-817.201 χ^2/NDF: 41.3/47

Right: -460.528+/-609.062 χ^2/NDF: 61.3/58

In: -323.853+/-747.784 χ^2/NDF:43.3/49

Out: -291.207+/-644.850 χ^2/NDF:59.5/56

All: -305.130+/-488.349 χ^2/NDF: 102.8/106



Right In: 2997.164+/-0.687 χ^2/NDF: 11946508.7/26

Left Out: 4922.380+/-0.807 χ^2/NDF:1050408.0/24

Right Out: 2315.577+/-0.553 χ^2/NDF: 16784601.9/31

Left In: 4916.964+/-0.828 χ^2/NDF:1161642.5/22

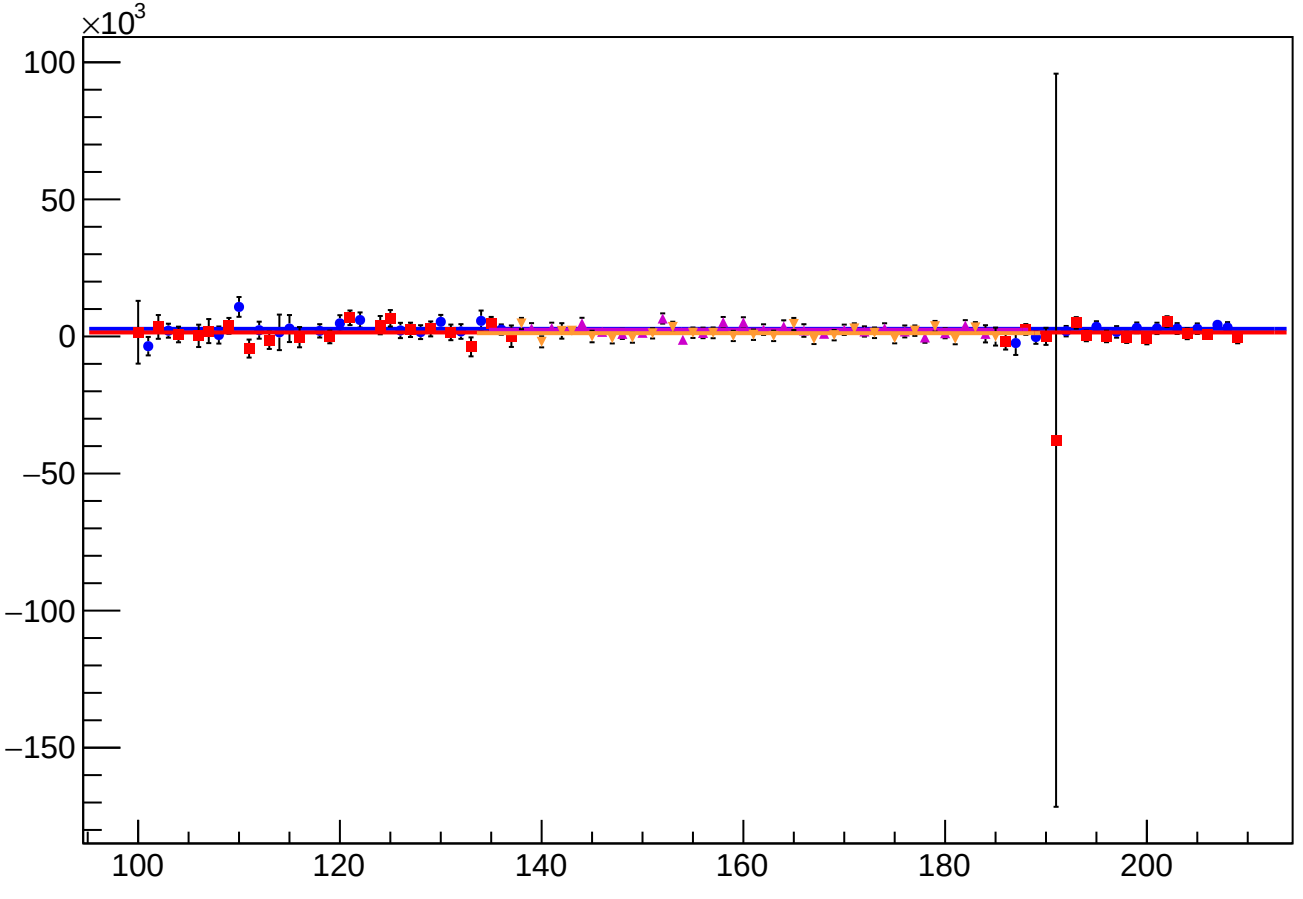
Left: 4919.742+/-0.578 χ^2/NDF: 2212072.5/47

Right: 2583.355+/-0.431 χ^2/NDF: 29328534.8/58

In: 3780.019+/-0.529 χ^2/NDF:16291598.9/49

Out: 3148.269+/-0.456 χ^2/NDF:24940233.3/56

All: 3417.703+/-0.345 χ^2/NDF: 42050503.6/



Right In: 2774.203+/-471.889 χ^2/NDF: 17.3/26

Left Out: 1197.356+/-392.981 χ^2/NDF:19.5/24

Right Out: 1453.272+/-462.165 χ^2/NDF: 30.3/31

Left In: 2438.062+/-407.552 χ^2/NDF:20.6/22

Left: 1795.135+/-282.891 χ^2/NDF: 44.9/47

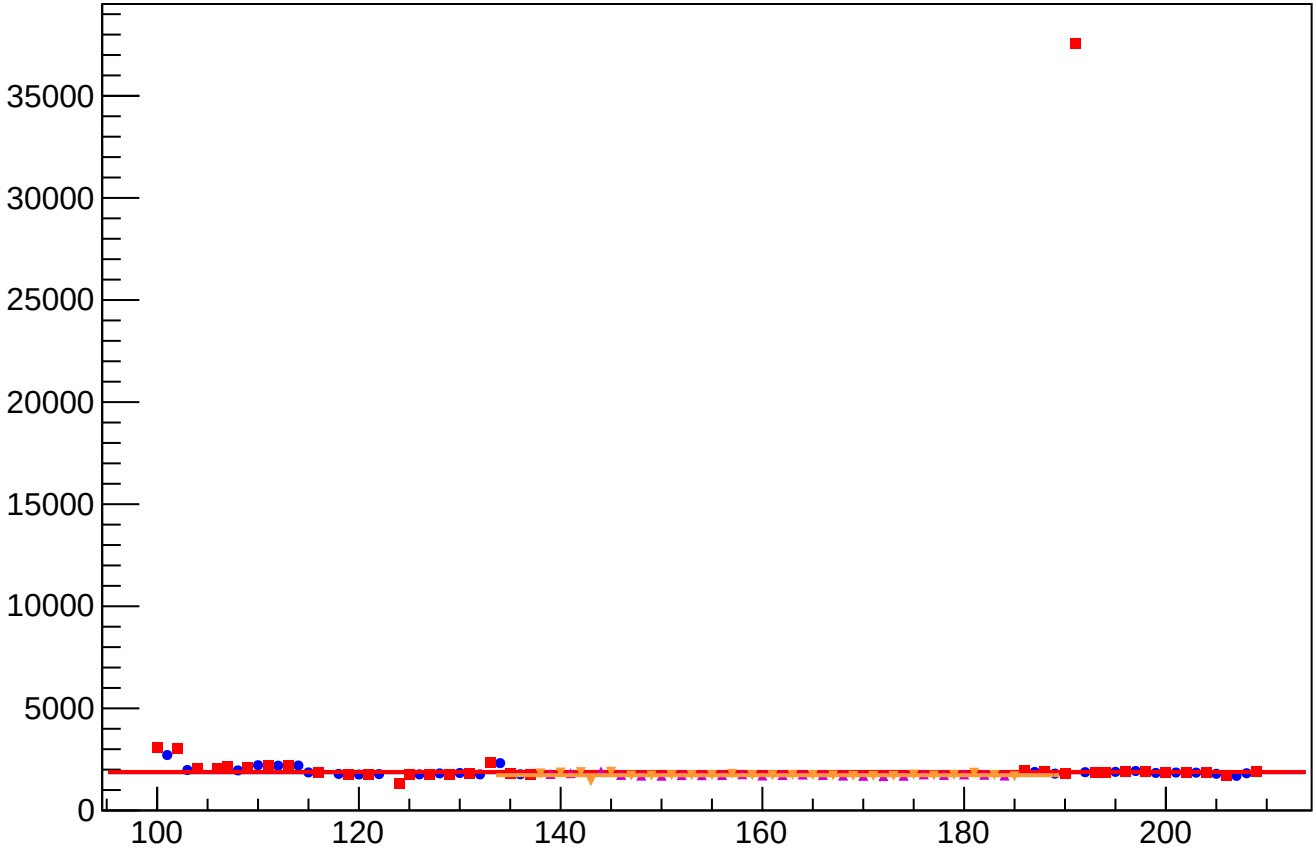
Right: 2099.987+/-330.184 χ^2/NDF: 51.6/58

In: 2581.672+/-308.441 χ^2/NDF:38.2/49

Out: 1304.744+/-299.383 χ^2/NDF:49.9/56

All: 1924.184+/-214.827 χ^2/NDF: 96.9/106

eigen_dit_asym_atl1r2_avg_rms vs Slug, Sign Corrected



Right In: 1870.533+/-0.334 χ^2/NDF: 251626.3/26

Left Out: 1727.236+/-0.278 χ^2/NDF:110269.9/24

Right Out: 1885.784+/-0.327 χ^2/NDF: 520781.5/31

Left In: 1744.633+/-0.288 χ^2/NDF:26798.0/22

Left: 1735.618+/-0.200 χ^2/NDF: 138956.4/47

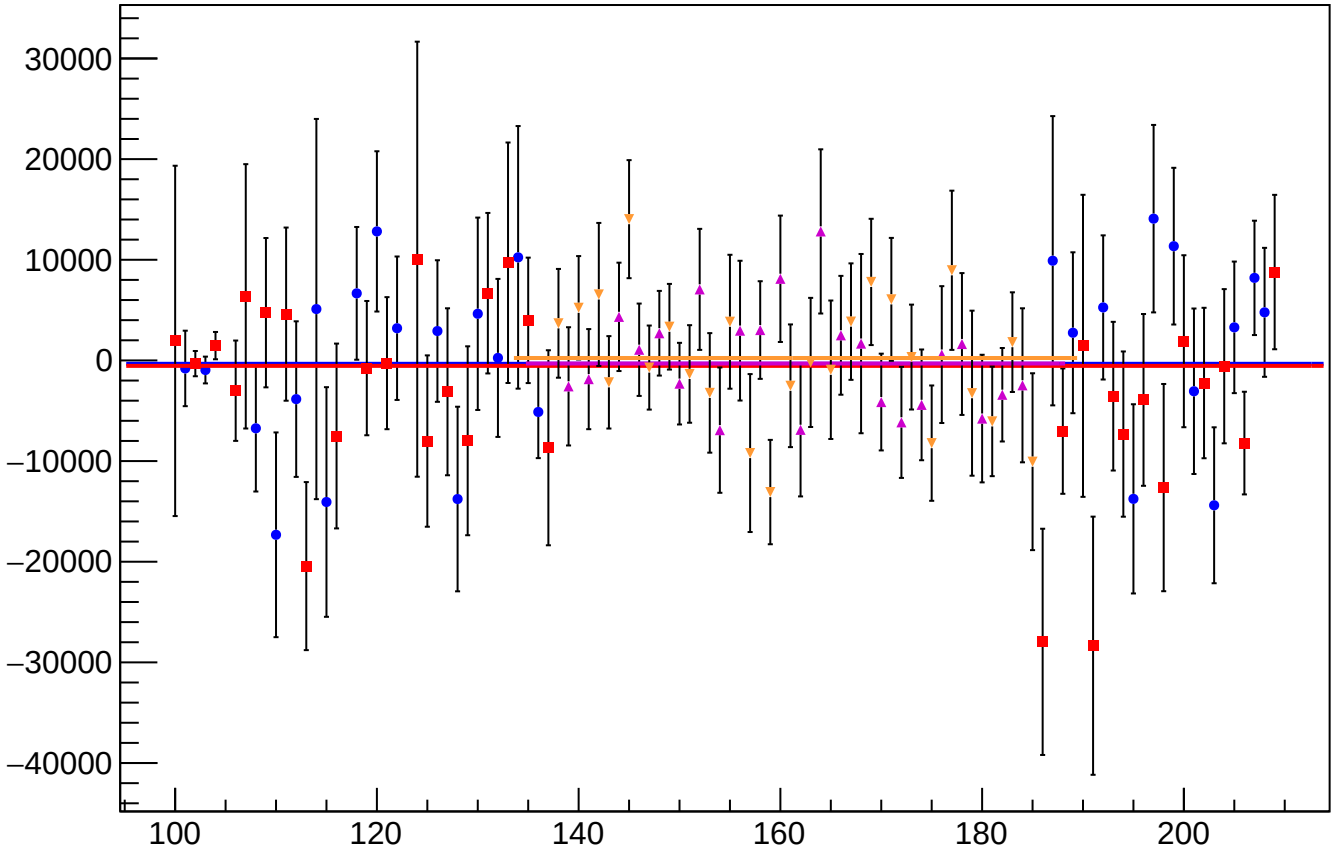
Right: 1878.320+/-0.233 χ^2/NDF: 773474.4/58

In: 1798.422+/-0.218 χ^2/NDF:359966.0/49

Out: 1793.792+/-0.212 χ^2/NDF:767709.9/56

All: 1796.038+/-0.152 χ^2/NDF: 1127908.0/10

asym_atl1r2_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -336.073+/-971.705 χ^2/NDF: 28.8/26

Left Out: 241.128+/-1140.962 χ^2/NDF:26.7/24

Right Out: -541.068+/-781.668 χ^2/NDF: 32.4/31

Left In: -306.109+/-1171.021 χ^2/NDF:14.5/22

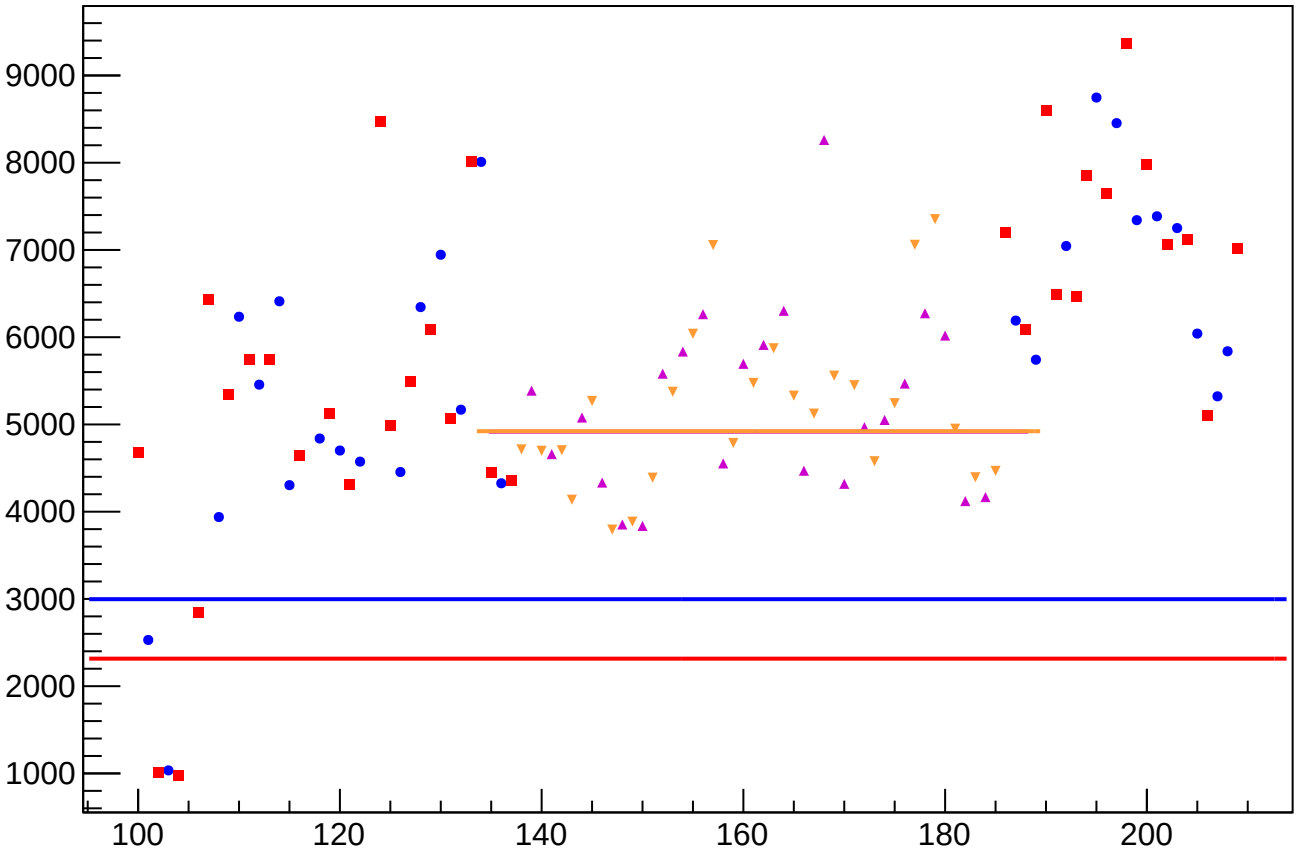
Left: -25.377+/-817.202 χ^2/NDF: 41.3/47

Right: -460.531+/-609.062 χ^2/NDF: 61.3/58

In: -323.854+/-747.785 χ^2/NDF:43.3/49

Out: -291.211+/-644.850 χ^2/NDF:59.5/56

All: -305.133+/-488.349 χ^2/NDF: 102.8/106



Right In: 2997.163+/-0.687 χ^2/NDF: 11946515.2/26

Left Out: 4922.388+/-0.807 χ^2/NDF:1050409.4/24

Right Out: 2315.575+/-0.553 χ^2/NDF: 16784603.8/31

Left In: 4916.972+/-0.828 χ^2/NDF:1161645.9/22

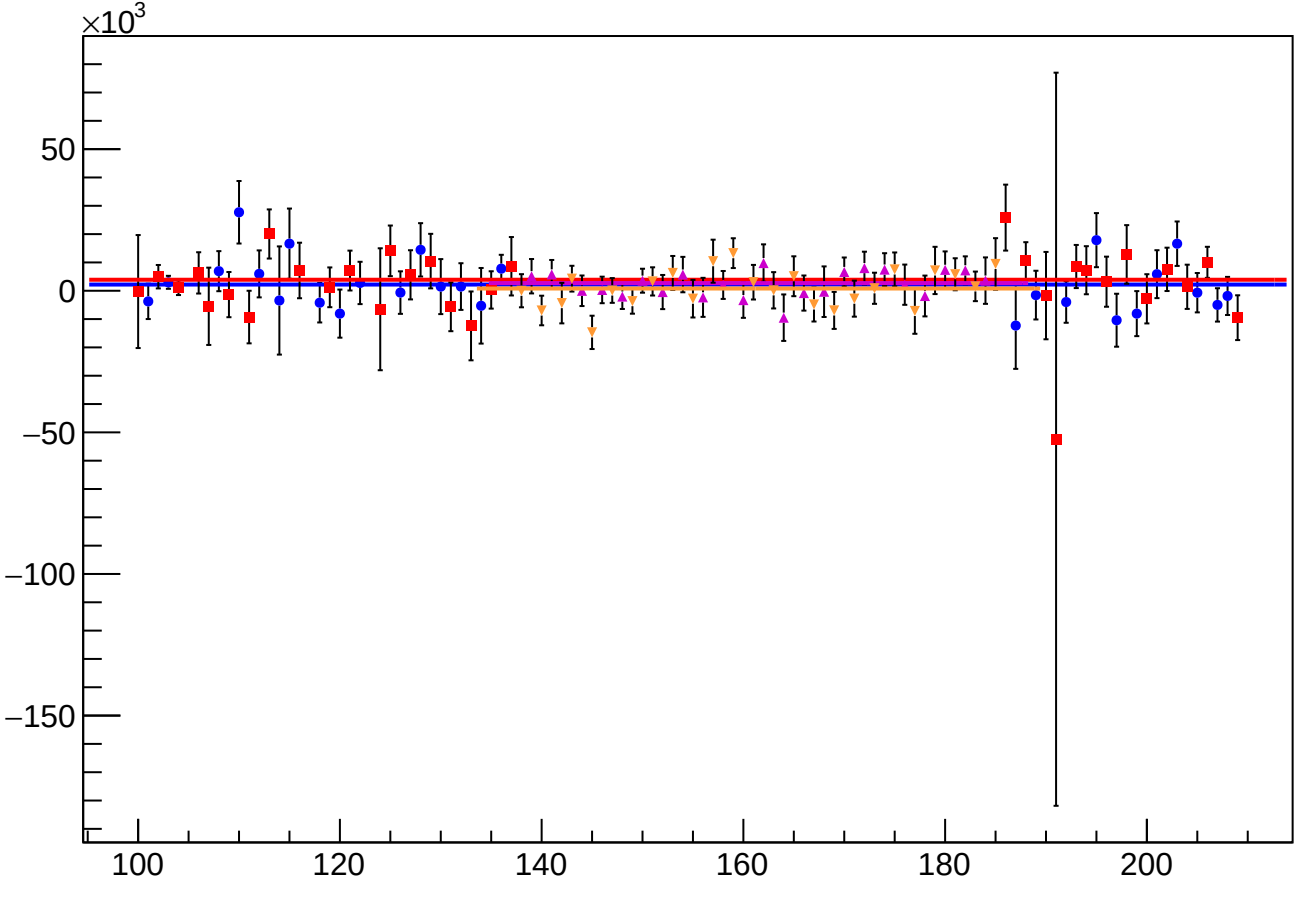
Left: 4919.750+/-0.578 χ^2/NDF: 2212077.2/47

Right: 2583.354+/-0.431 χ^2/NDF: 29328542.4/58

In: 3780.019+/-0.529 χ^2/NDF:16291635.4/49

Out: 3148.269+/-0.456 χ^2/NDF:24940273.2/56

All: 3417.703+/-0.345 χ^2/NDF: 42050581.3/1



Right In: 2190.919+/-1292.515 χ^2/NDF: 27.8/26

Left Out: 787.965+/-1171.964 χ^2/NDF:27.6/24

Right Out: 3890.418+/-1291.544 χ^2/NDF: 25.1/31

Left In: 2705.532+/-1206.281 χ^2/NDF:11.9/22

Left: 1719.085+/-840.574 χ^2/NDF: 40.8/47

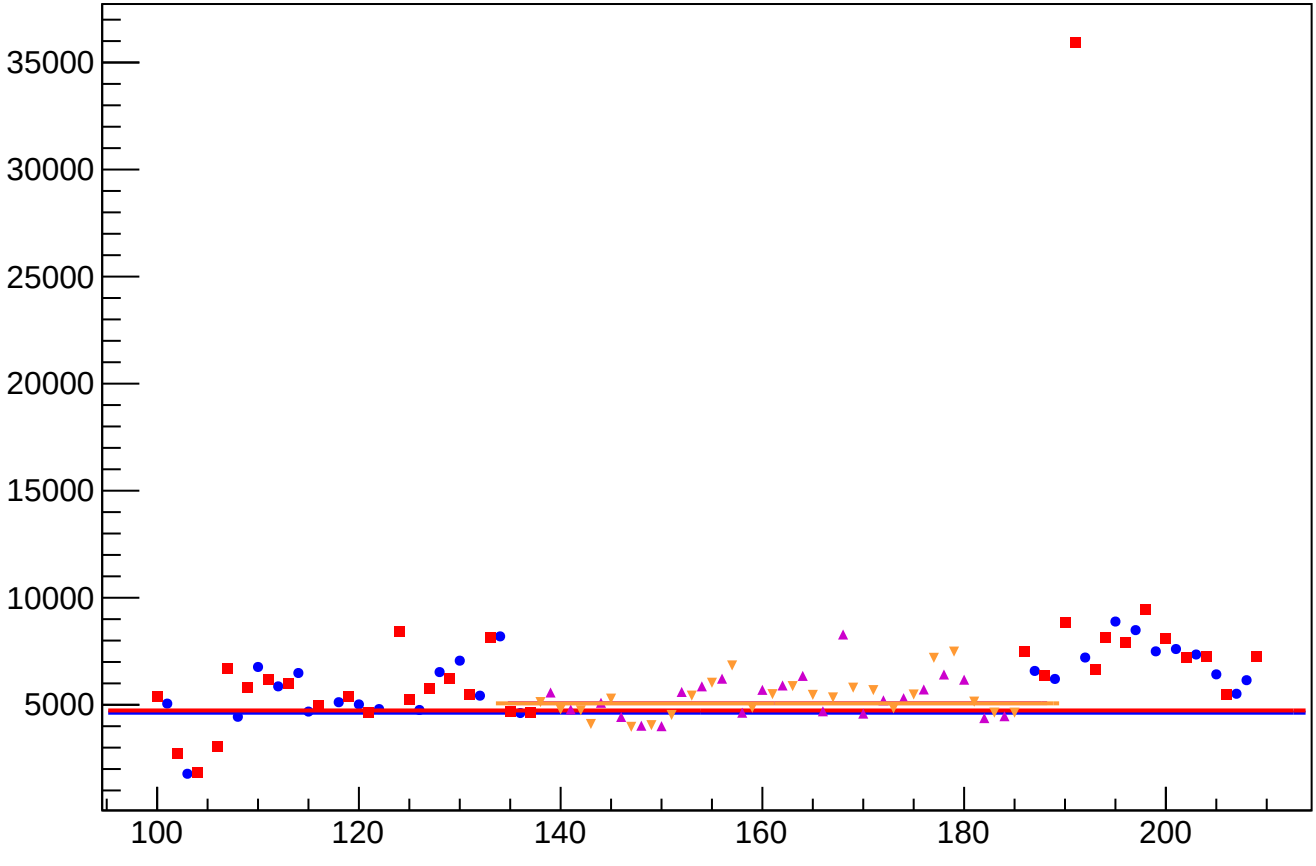
Right: 3041.307+/-913.603 χ^2/NDF: 53.8/58

In: 2465.964+/-881.881 χ^2/NDF:39.8/49

Out: 2188.951+/-867.907 χ^2/NDF:55.8/56

All: 2325.246+/-618.584 χ^2/NDF: 95.7/106

asym_atl1r2_avg_rms vs Slug, Sign Corrected



Right In: 4630.671+/-0.914 χ^2/NDF: 5741379.0/26

Left Out: 5067.898+/-0.829 χ^2/NDF:954253.8/24

Right Out: 4735.805+/-0.907 χ^2/NDF: 6164486.9/31

Left In: 5079.715+/-0.853 χ^2/NDF:1001241.5/22

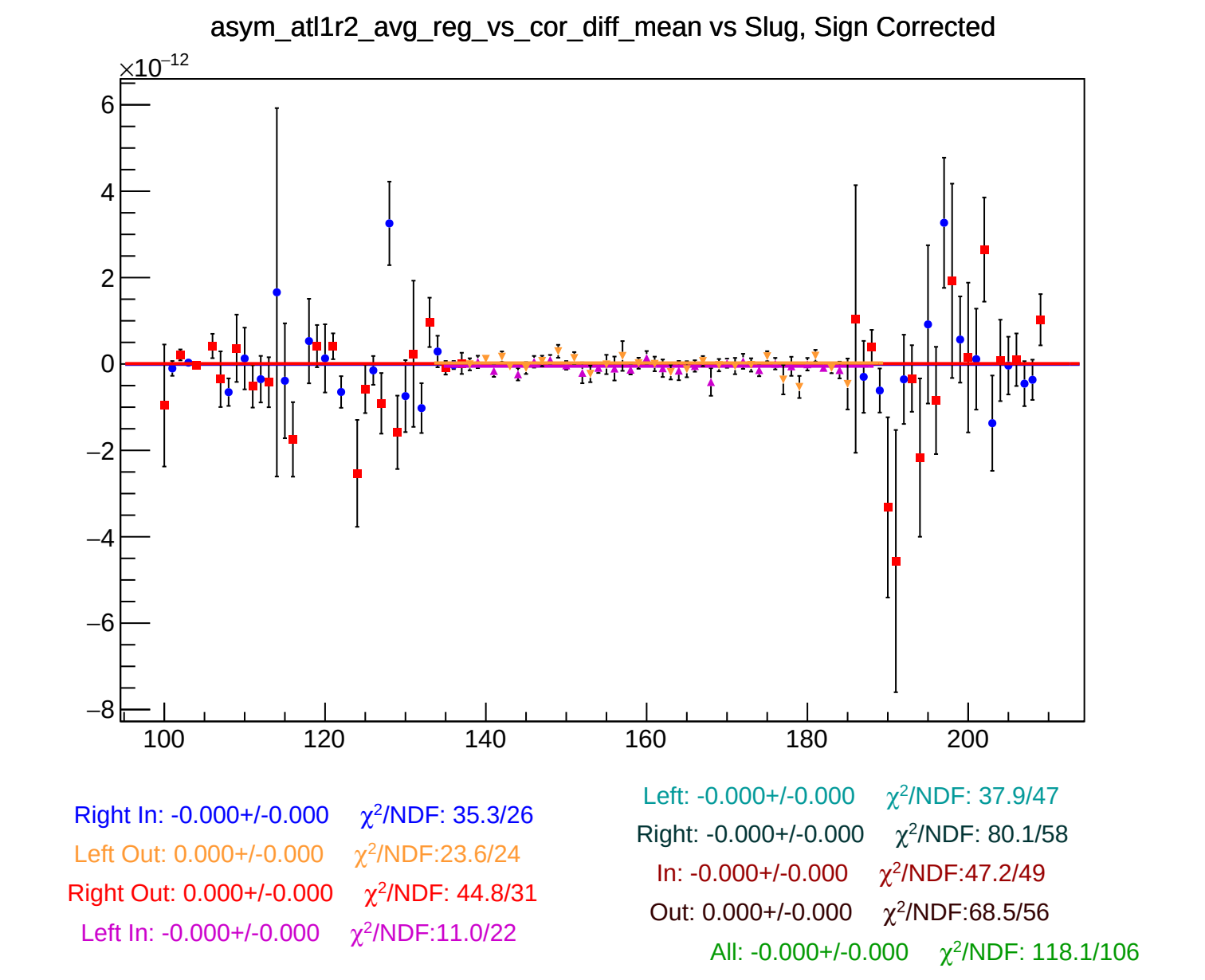
Left: 5073.636+/-0.594 χ^2/NDF: 1955594.0/47

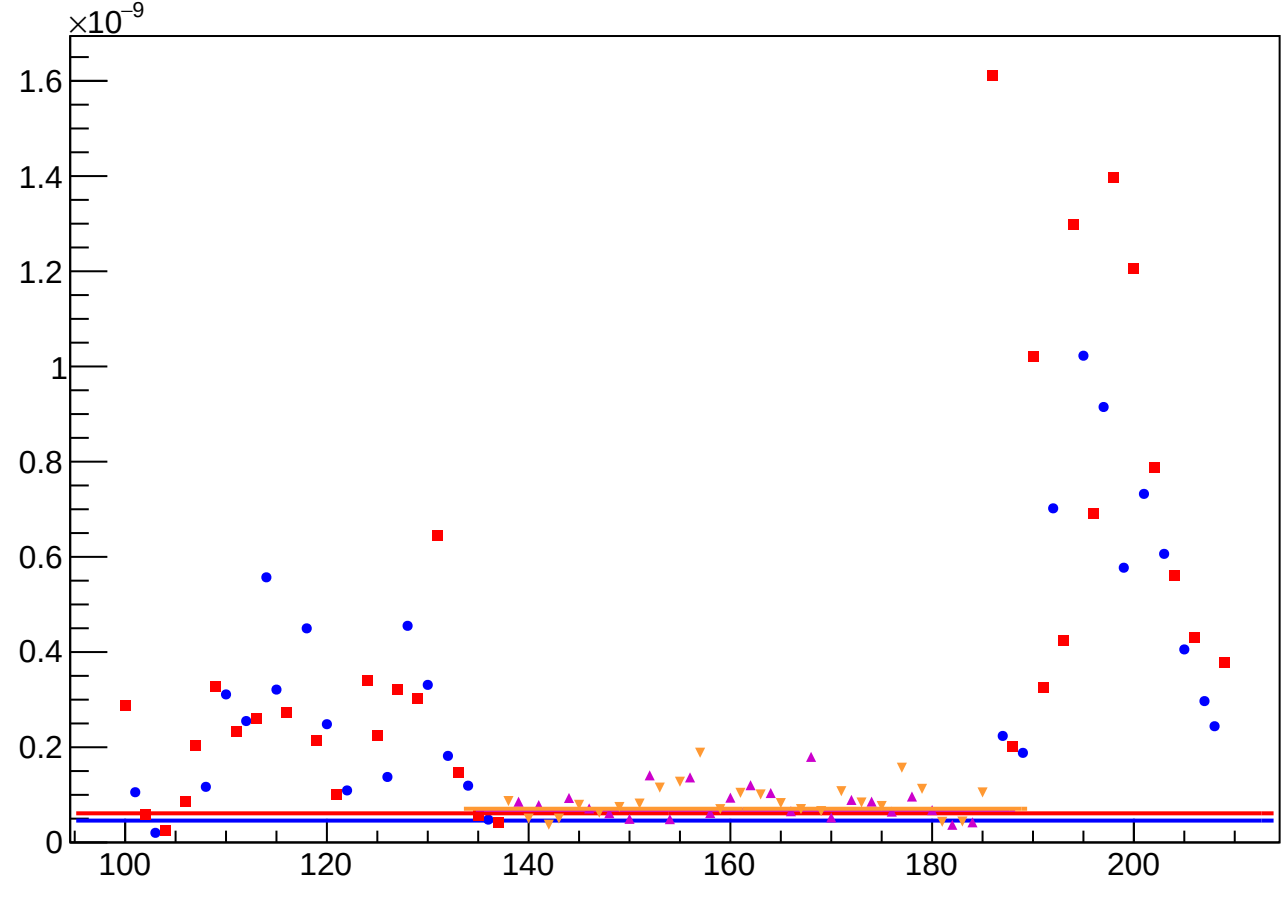
Right: 4683.644+/-0.644 χ^2/NDF: 11912533.3/58

In: 4870.671+/-0.624 χ^2/NDF:6871640.9/49

Out: 4916.786+/-0.612 χ^2/NDF:7191814.0/56

All: 4894.170+/-0.437 χ^2/NDF: 14066241.6/1


asym_atl1r2_avg_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
6
4
2
0
−2
−4
−6
−8
100
120
140
160
180
200
Right In: -0.000+/-0.000 χ²/NDF: 35.3/26
Left Out: 0.000+/-0.000 χ²/NDF:23.6/24
Right Out: 0.000+/-0.000 χ²/NDF: 44.8/31
Left In: -0.000+/-0.000 χ²/NDF:11.0/22
Left: -0.000+/-0.000 χ²/NDF: 37.9/47
Right: -0.000+/-0.000 χ²/NDF: 80.1/58
In: -0.000+/-0.000 χ²/NDF:47.2/49
Out: 0.000+/-0.000 χ²/NDF:68.5/56
All: -0.000+/-0.000 χ²/NDF: 118.1/106



Right In: 0.000+/-0.000 χ^2/NDF: 8708185.0/26

Left Out: 0.000+/-0.000 χ^2/NDF:1489228.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 10289855.2/31

Left In: 0.000+/-0.000 χ^2/NDF:1432116.0/22

Left: 0.000+/-0.000 χ^2/NDF: 2925873.0/47

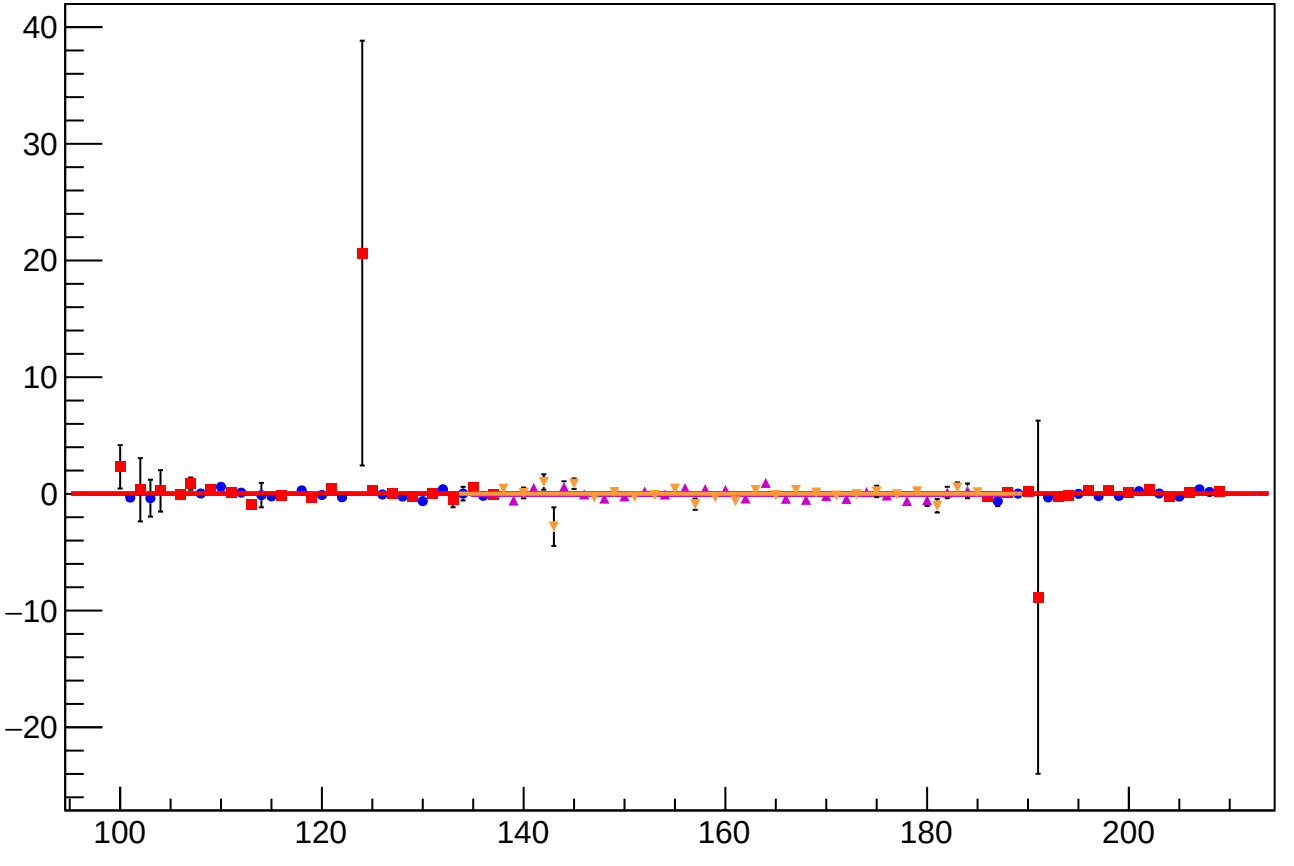
Right: 0.000+/-0.000 χ^2/NDF: 19142375.4/58

In: 0.000+/-0.000 χ^2/NDF:10629883.4/49

Out: 0.000+/-0.000 χ^2/NDF:11845968.7/56

All: 0.000+/-0.000 χ^2/NDF: 22600937.2/106

asym_atl1r2_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.009+/-0.053 χ^2/NDF: 24.7/26

Left Out: 0.014+/-0.070 χ^2/NDF:28.3/24

Right Out: 0.064+/-0.048 χ^2/NDF: 30.2/31

Left In: -0.091+/-0.070 χ^2/NDF:30.9/22

Left: -0.038+/-0.050 χ^2/NDF: 60.3/47

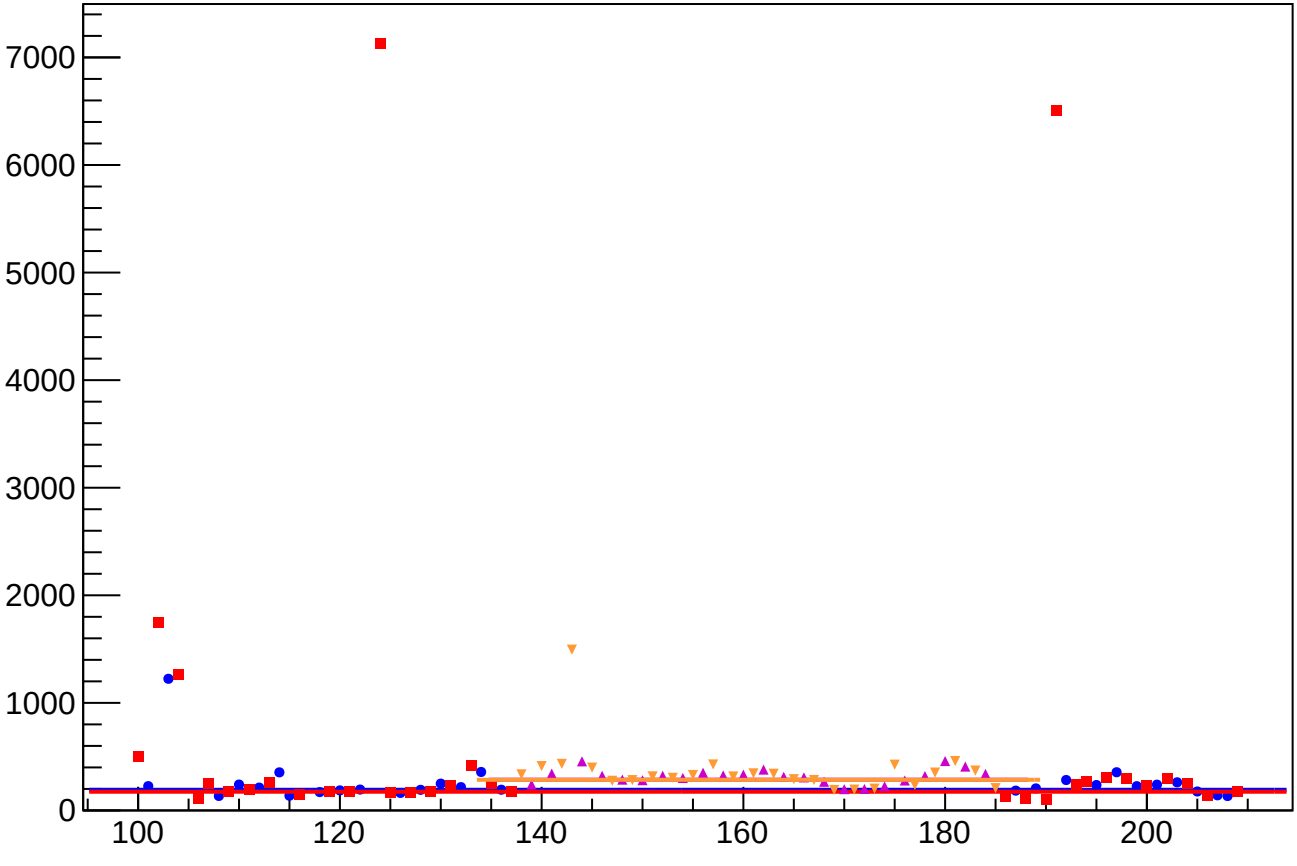
Right: 0.039+/-0.035 χ^2/NDF: 55.5/58

In: -0.027+/-0.042 χ^2/NDF:56.9/49

Out: 0.048+/-0.040 χ^2/NDF:58.8/56

All: 0.013+/-0.029 χ^2/NDF: 117.3/106

asym_atl1r2_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 192.200+/-0.037 χ^2/NDF: 2700465.4/26

Left Out: 285.036+/-0.049 χ^2/NDF:3407001.6/24

Right Out: 174.042+/-0.034 χ^2/NDF: 5365664.5/31

Left In: 285.869+/-0.050 χ^2/NDF:1744706.1/22

Left: 285.449+/-0.035 χ^2/NDF: 5151848.7/47

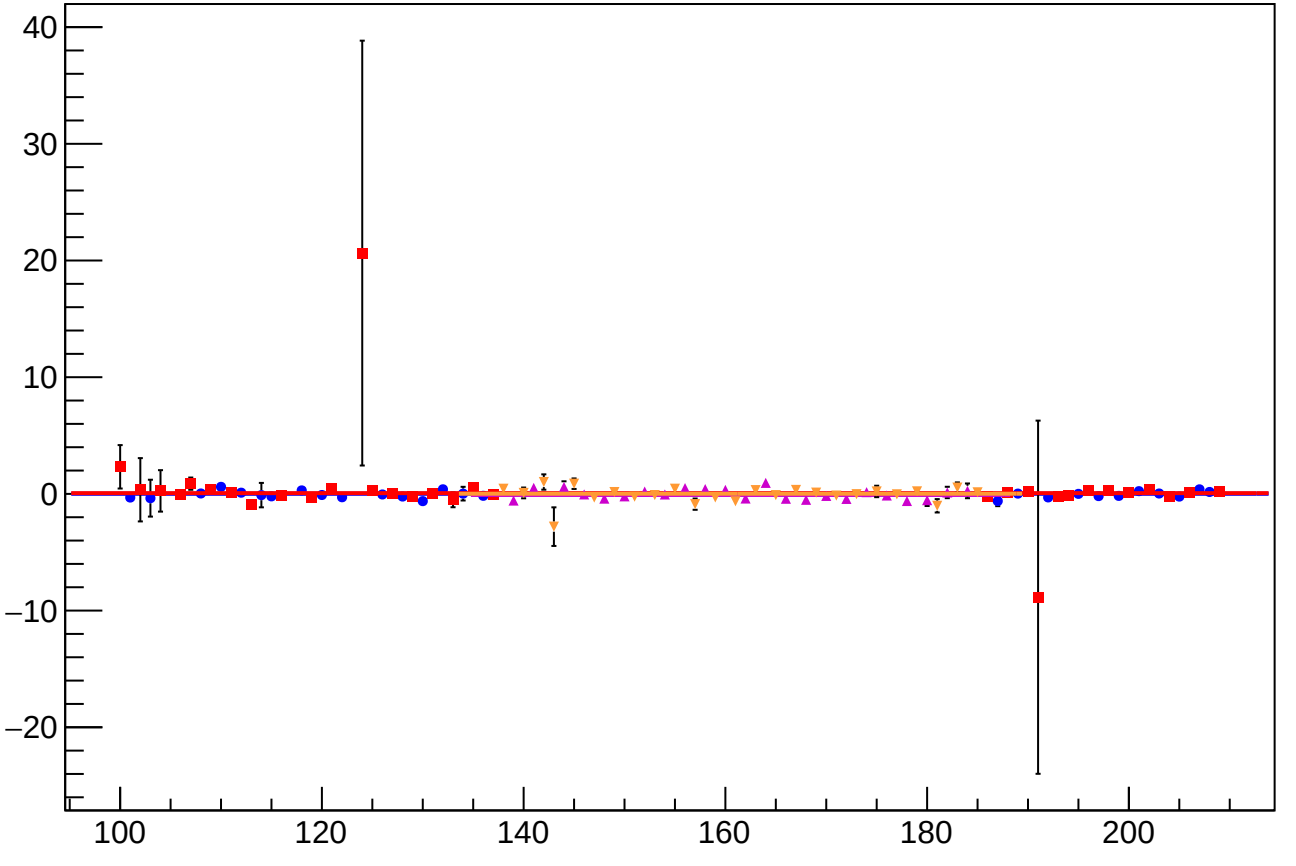
Right: 182.306+/-0.025 χ^2/NDF: 8196294.7/58

In: 225.699+/-0.030 χ^2/NDF:6718388.3/49

Out: 209.682+/-0.028 χ^2/NDF:12204065.3/56

All: 217.192+/-0.020 χ^2/NDF: 19076131.2/10

asym_atl1r2_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.009+/-0.053 χ^2/NDF: 24.7/26

Left Out: 0.014+/-0.070 χ^2/NDF:28.3/24

Right Out: 0.064+/-0.048 χ^2/NDF: 30.2/31

Left In: -0.091+/-0.070 χ^2/NDF:30.9/22

Left: -0.038+/-0.050 χ^2/NDF: 60.3/47

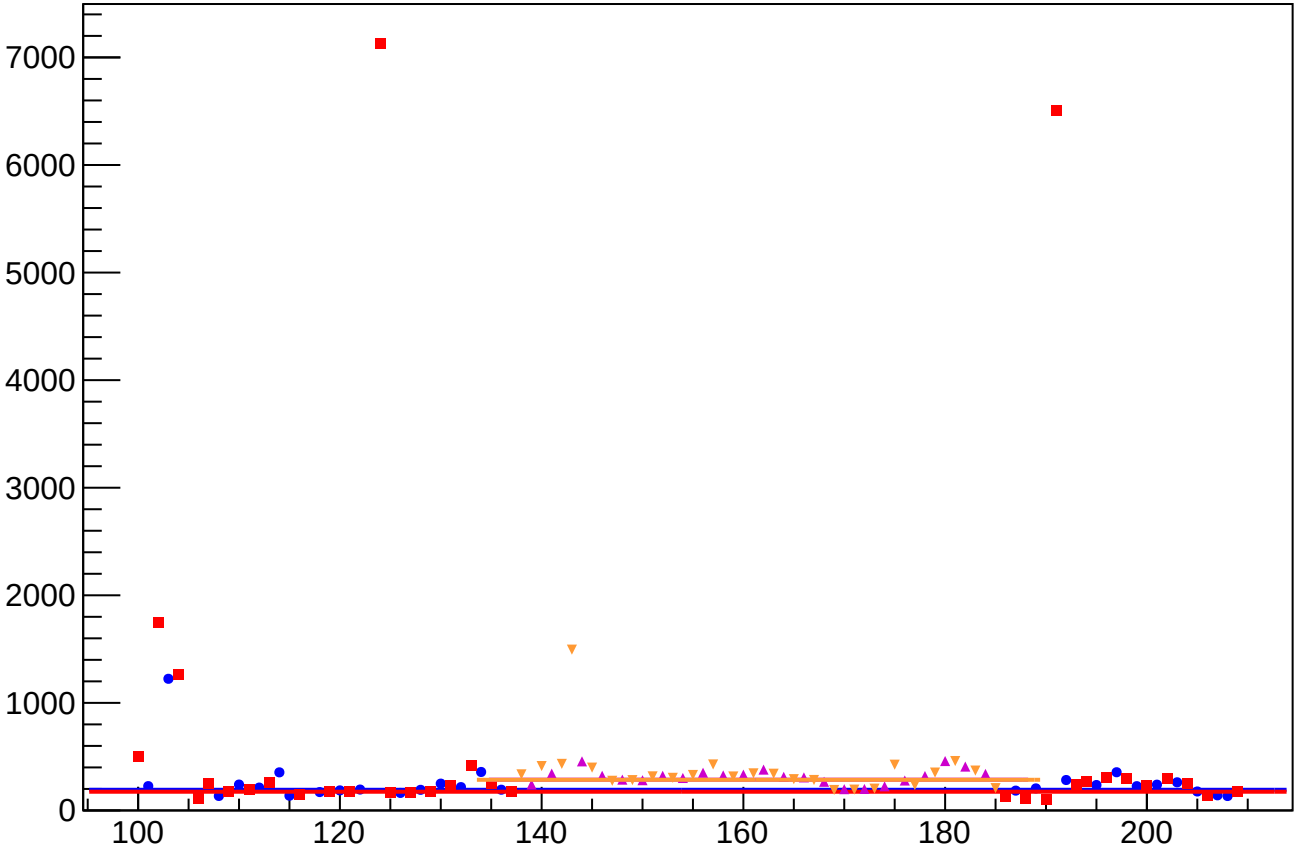
Right: 0.039+/-0.035 χ^2/NDF: 55.5/58

In: -0.027+/-0.042 χ^2/NDF:56.9/49

Out: 0.048+/-0.040 χ^2/NDF:58.8/56

All: 0.013+/-0.029 χ^2/NDF: 117.3/106

asym_atl1r2_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 192.200+/-0.037 χ^2/NDF: 2700465.4/26

Left Out: 285.036+/-0.049 χ^2/NDF:3407001.6/24

Right Out: 174.042+/-0.034 χ^2/NDF: 5365664.5/31

Left In: 285.869+/-0.050 χ^2/NDF:1744706.1/22

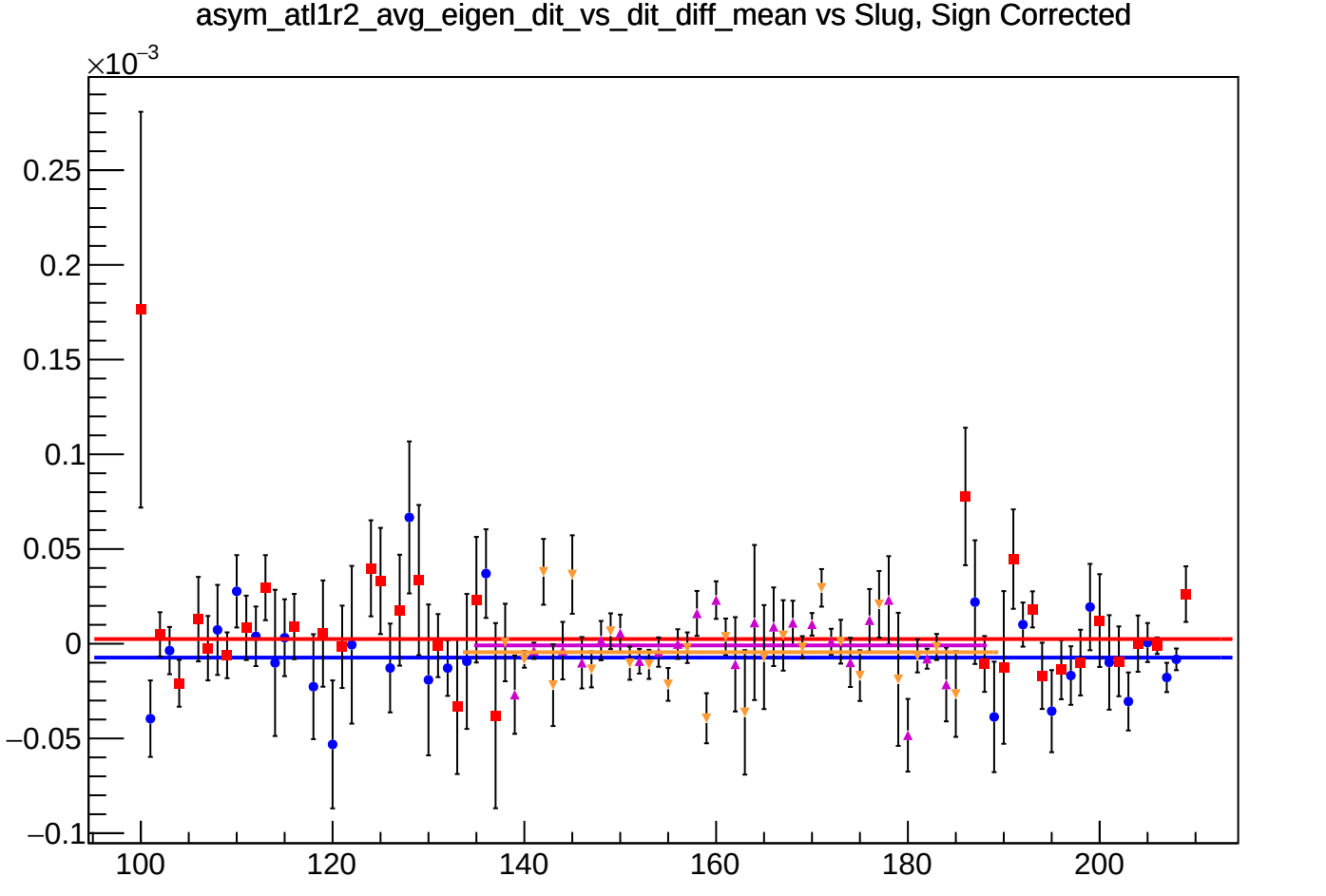
Left: 285.449+/-0.035 χ^2/NDF: 5151848.7/47

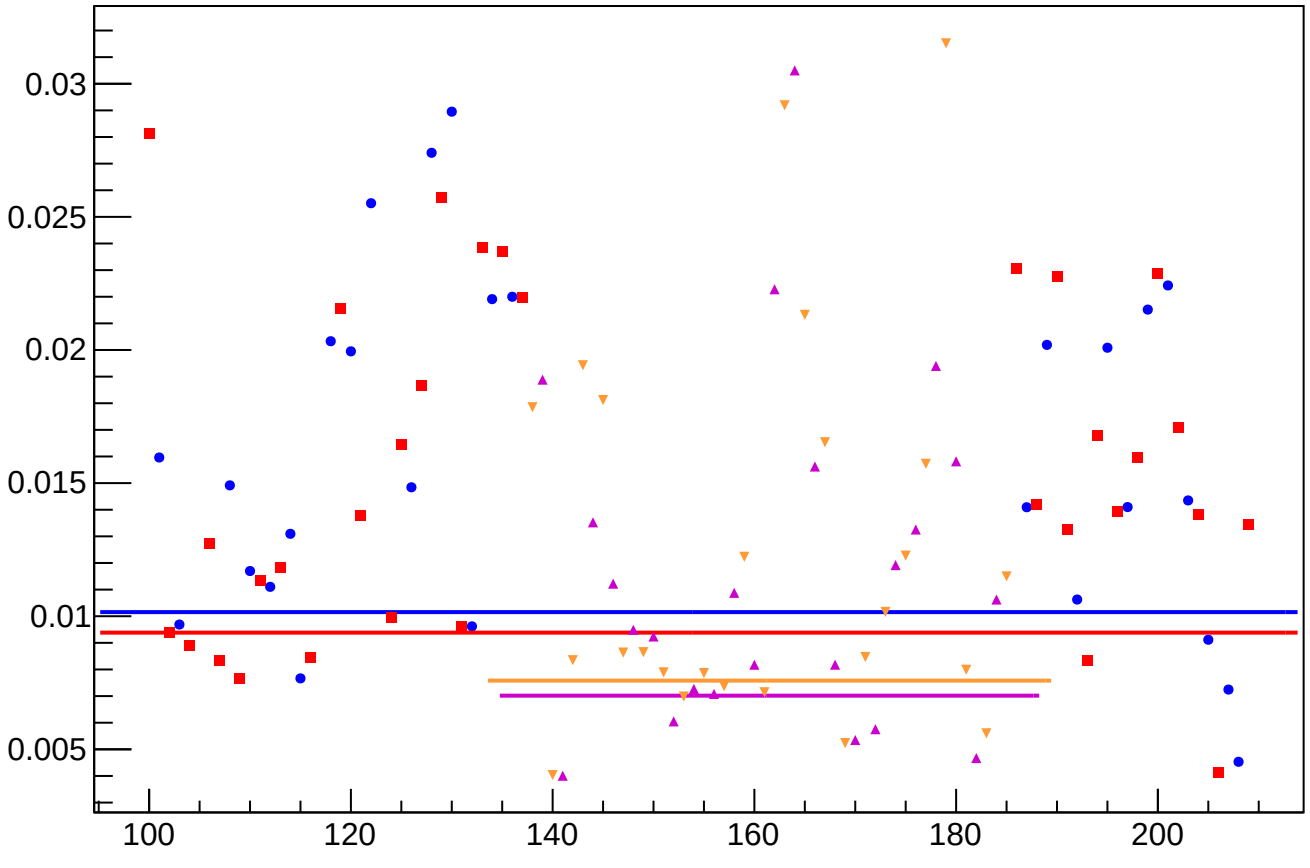
Right: 182.306+/-0.025 χ^2/NDF: 8196294.7/58

In: 225.699+/-0.030 χ^2/NDF:6718388.3/49

Out: 209.682+/-0.028 χ^2/NDF:12204065.3/56

All: 217.192+/-0.020 χ^2/NDF: 19076131.2/10


asym_atl1r2_avg_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected
×10⁻³
0.25
0.2
0.15
0.1
0.05
0
−0.05
−0.1
100
120
140
160
180
200
Right In: -0.000+/-0.000 χ²/NDF: 29.0/26
Left Out: -0.000+/-0.000 χ²/NDF:43.9/24
Right Out: 0.000+/-0.000 χ²/NDF: 33.5/31
Left In: -0.000+/-0.000 χ²/NDF:29.0/22
Left: -0.000+/-0.000 χ²/NDF: 74.6/47
Right: -0.000+/-0.000 χ²/NDF: 68.7/58
In: -0.000+/-0.000 χ²/NDF:61.3/49
Out: -0.000+/-0.000 χ²/NDF:81.9/56
All: -0.000+/-0.000 χ²/NDF: 143.4/106



Right In: 0.010+/-0.000 χ^2/NDF: 6832203.0/26

Left Out: 0.008+/-0.000 χ^2/NDF:7351454.7/24

Right Out: 0.009+/-0.000 χ^2/NDF: 7938553.8/31

Left In: 0.007+/-0.000 χ^2/NDF:6740679.5/22

Left: 0.007+/-0.000 χ^2/NDF: 14177078.3/47

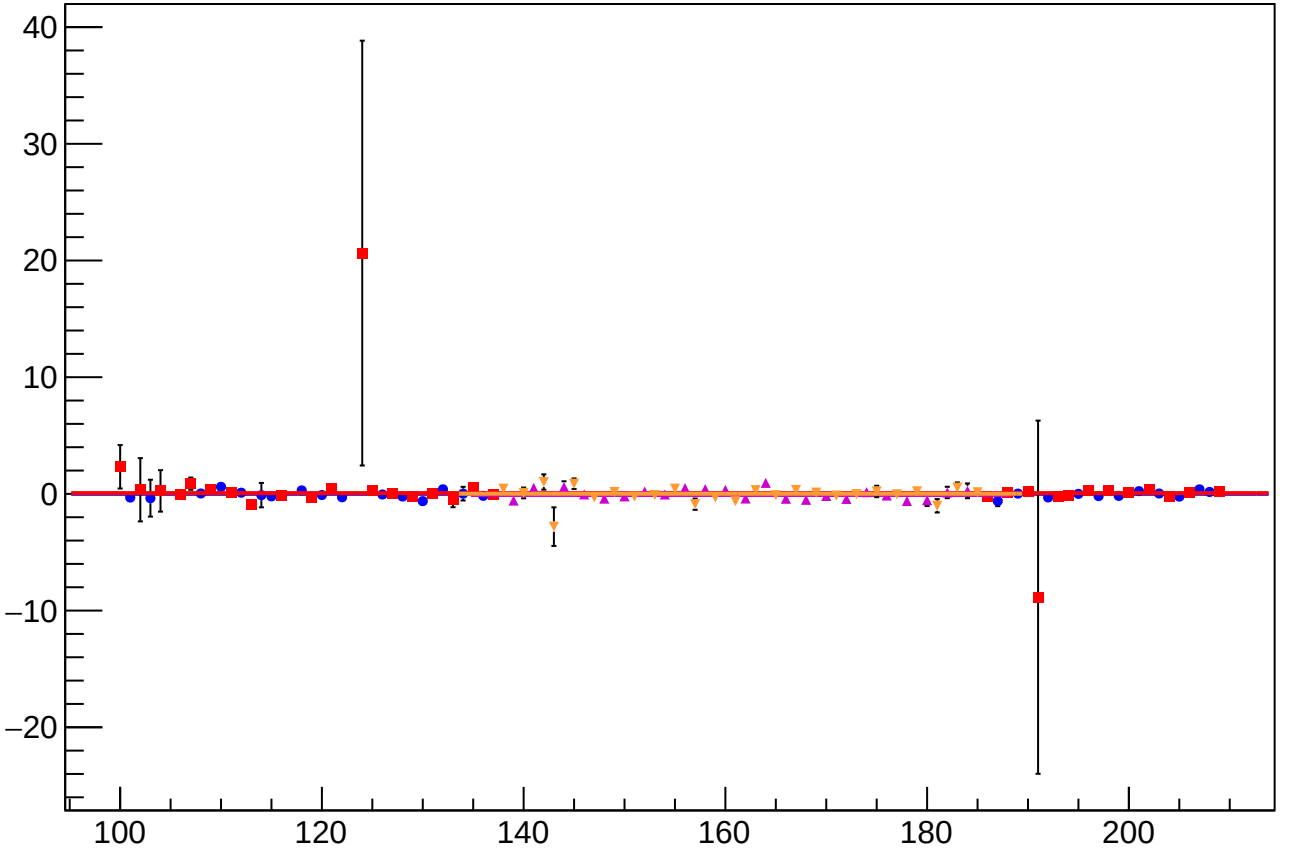
Right: 0.010+/-0.000 χ^2/NDF: 14846583.2/58

In: 0.008+/-0.000 χ^2/NDF:15158693.3/49

Out: 0.008+/-0.000 χ^2/NDF:15892403.6/56

All: 0.008+/-0.000 χ^2/NDF: 31085651.5/106

asym_atl1r2_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.009+/-0.053 χ^2/NDF: 24.7/26

Left Out: 0.014+/-0.070 χ^2/NDF:28.3/24

Right Out: 0.064+/-0.048 χ^2/NDF: 30.2/31

Left In: -0.091+/-0.070 χ^2/NDF:30.9/22

Left: -0.038+/-0.050 χ^2/NDF: 60.3/47

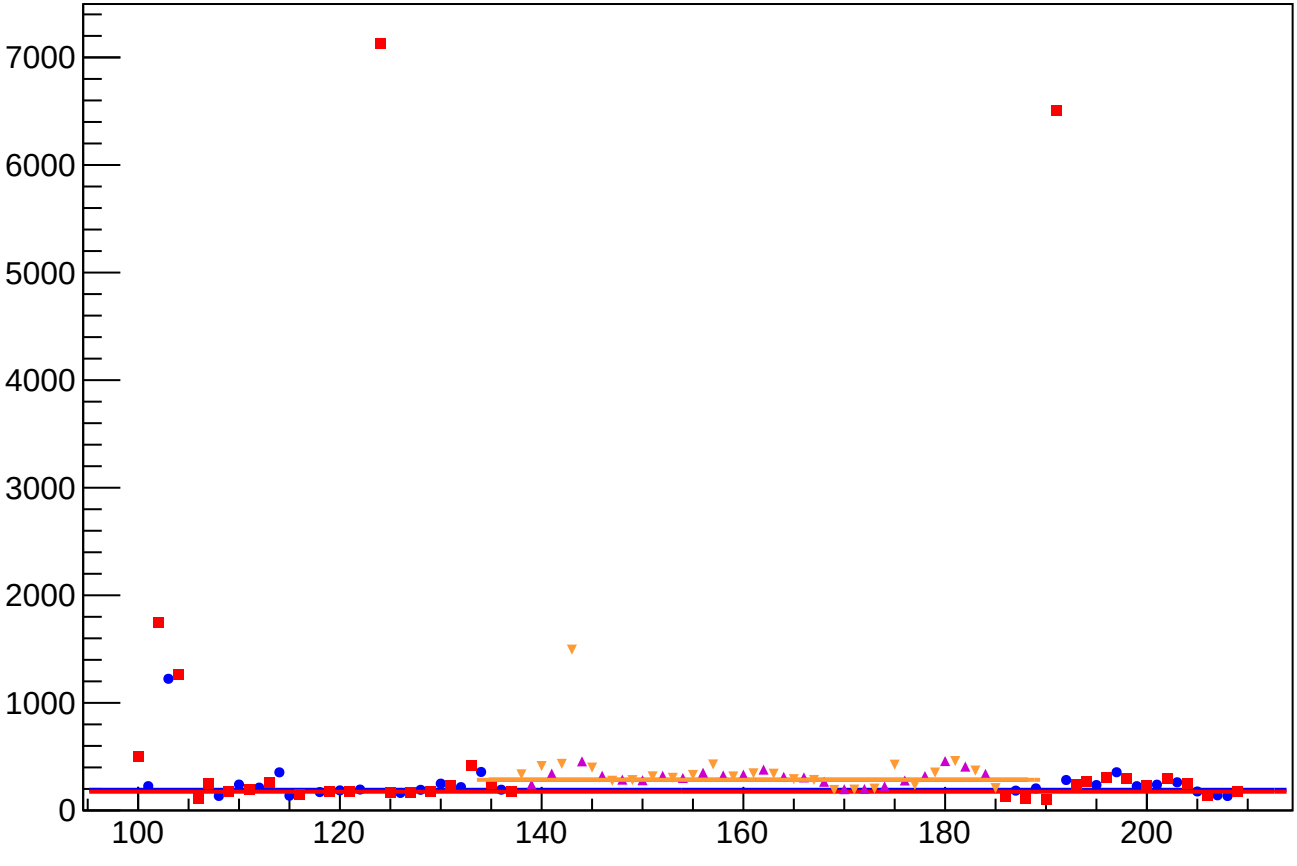
Right: 0.039+/-0.035 χ^2/NDF: 55.5/58

In: -0.027+/-0.042 χ^2/NDF:56.9/49

Out: 0.048+/-0.040 χ^2/NDF:58.8/56

All: 0.013+/-0.029 χ^2/NDF: 117.3/106

asym_atl1r2_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 192.199+/-0.037 χ^2/NDF: 2700476.4/26

Left Out: 285.039+/-0.049 χ^2/NDF:3407037.3/24

Right Out: 174.040+/-0.034 χ^2/NDF: 5365823.3/31

Left In: 285.871+/-0.050 χ^2/NDF:1744743.9/22

Left: 285.451+/-0.035 χ^2/NDF: 5151922.1/47

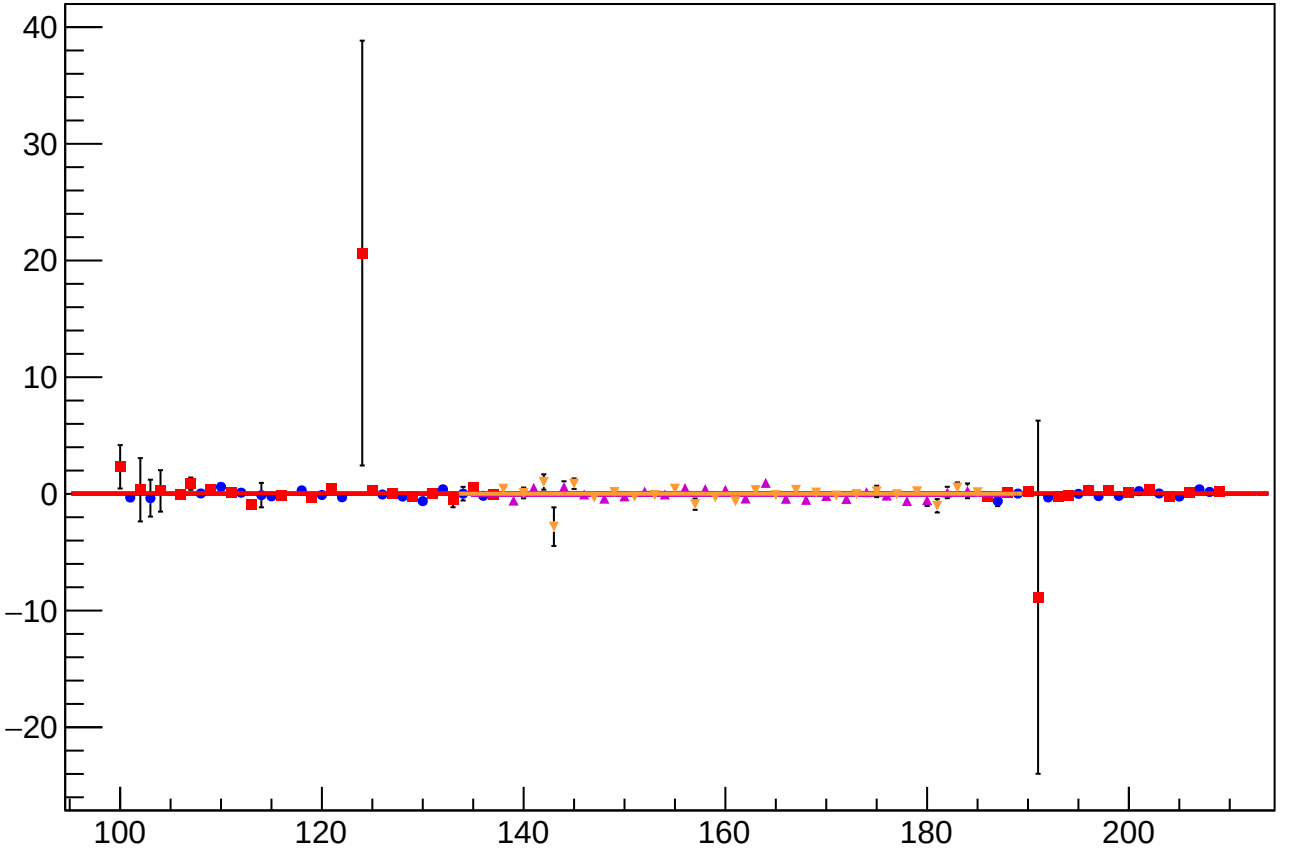
Right: 182.304+/-0.025 χ^2/NDF: 8196482.8/58

In: 225.699+/-0.030 χ^2/NDF:6718593.4/49

Out: 209.681+/-0.028 χ^2/NDF:12204537.2/56

All: 217.191+/-0.020 χ^2/NDF: 19076830.0/10

asym_atl1r2_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.009+/-0.053 χ^2/NDF: 24.7/26

Left Out: 0.014+/-0.070 χ^2/NDF:28.3/24

Right Out: 0.064+/-0.048 χ^2/NDF: 30.2/31

Left In: -0.091+/-0.070 χ^2/NDF:30.9/22

Left: -0.038+/-0.050 χ^2/NDF: 60.3/47

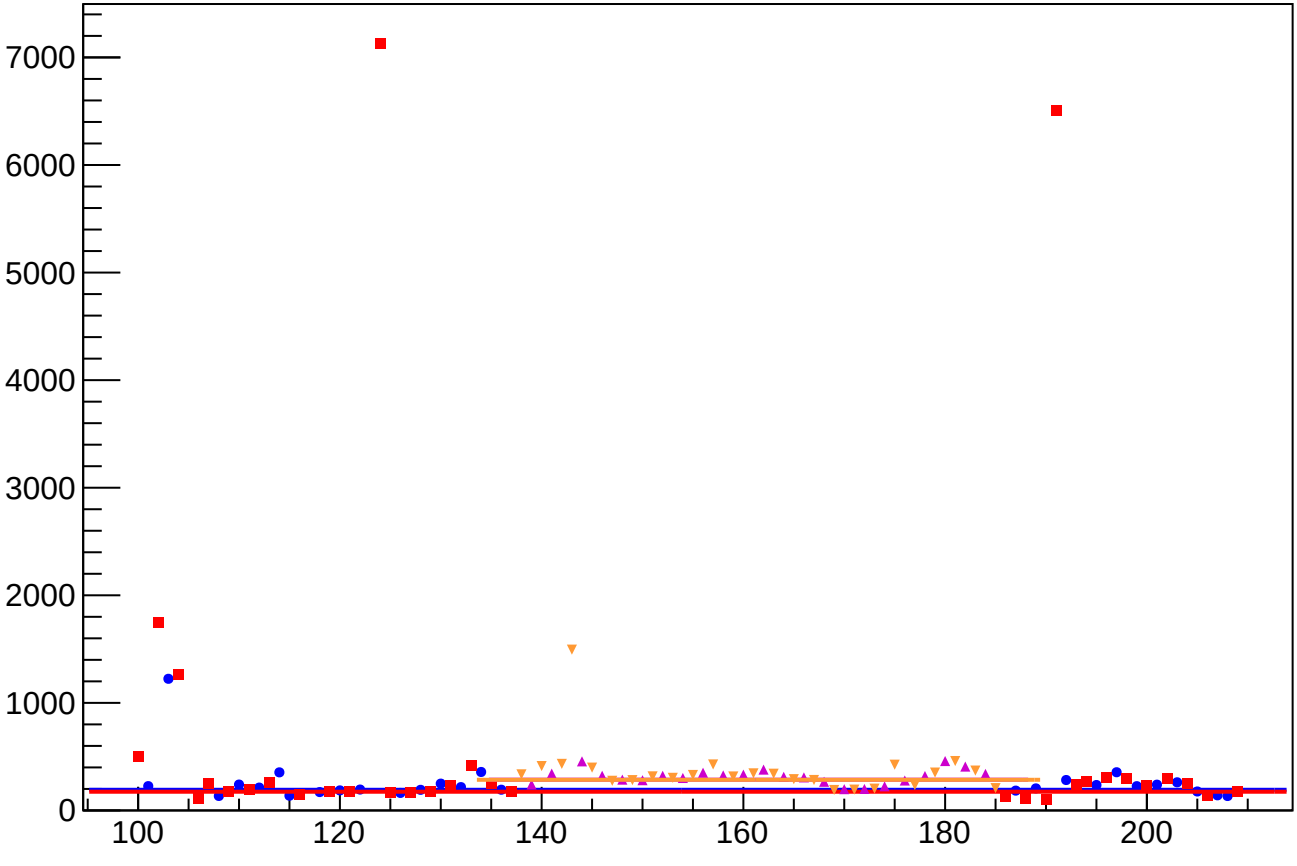
Right: 0.039+/-0.035 χ^2/NDF: 55.5/58

In: -0.027+/-0.042 χ^2/NDF:56.9/49

Out: 0.048+/-0.040 χ^2/NDF:58.8/56

All: 0.013+/-0.029 χ^2/NDF: 117.3/106

asym_atl1r2_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 192.199+/-0.037 χ^2/NDF: 2700476.4/26

Left Out: 285.039+/-0.049 χ^2/NDF:3407037.3/24

Right Out: 174.040+/-0.034 χ^2/NDF: 5365823.3/31

Left In: 285.871+/-0.050 χ^2/NDF:1744743.9/22

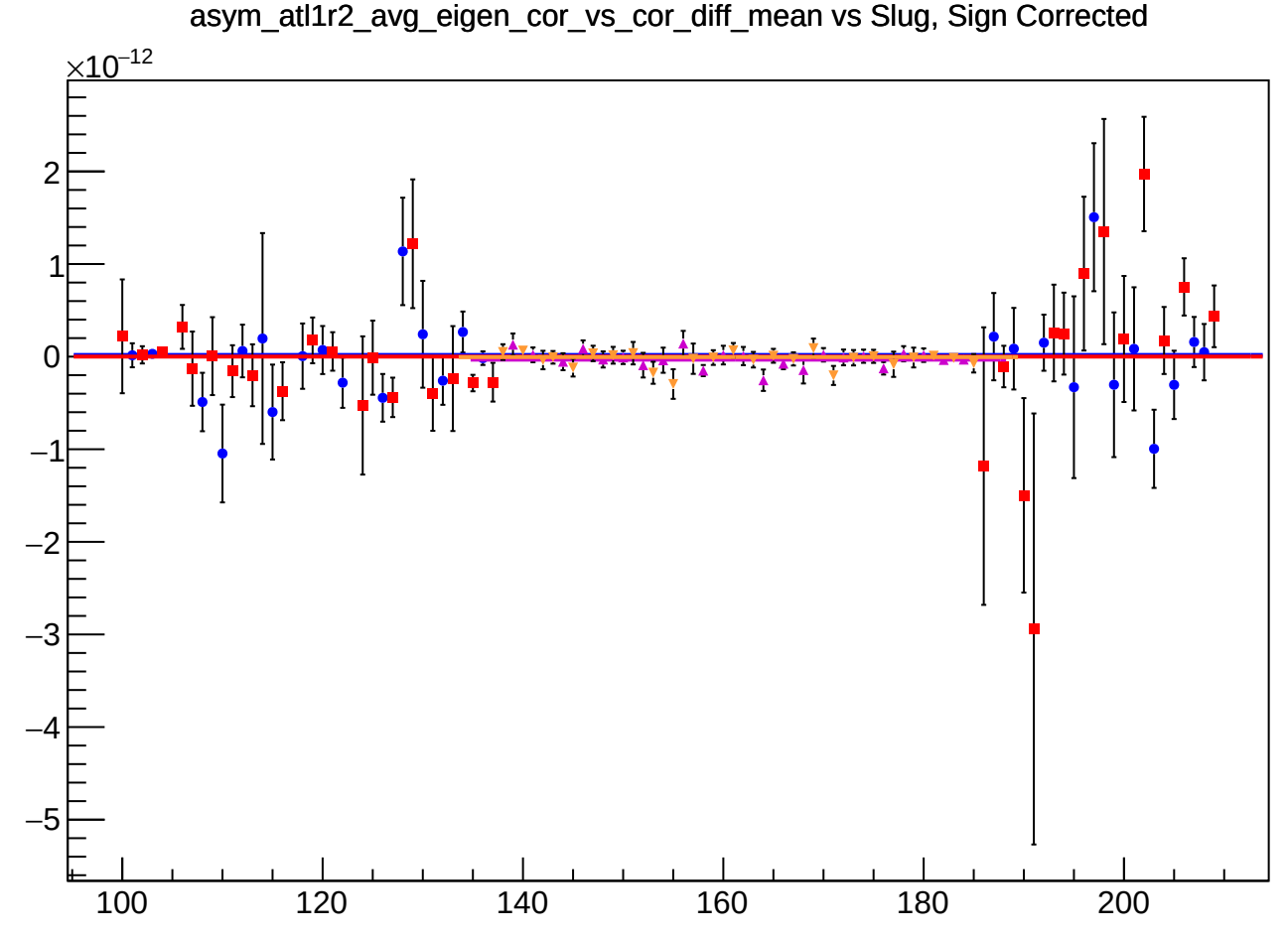
Left: 285.451+/-0.035 χ^2/NDF: 5151922.1/47

Right: 182.304+/-0.025 χ^2/NDF: 8196482.8/58

In: 225.699+/-0.030 χ^2/NDF:6718593.4/49

Out: 209.681+/-0.028 χ^2/NDF:12204537.2/56

All: 217.191+/-0.020 χ^2/NDF: 19076830.0/10



Right In: 0.000+/-0.000 χ^2/NDF: 30.4/26

Left Out: -0.000+/-0.000 χ^2/NDF:16.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 53.0/31

Left In: -0.000+/-0.000 χ^2/NDF:18.7/22

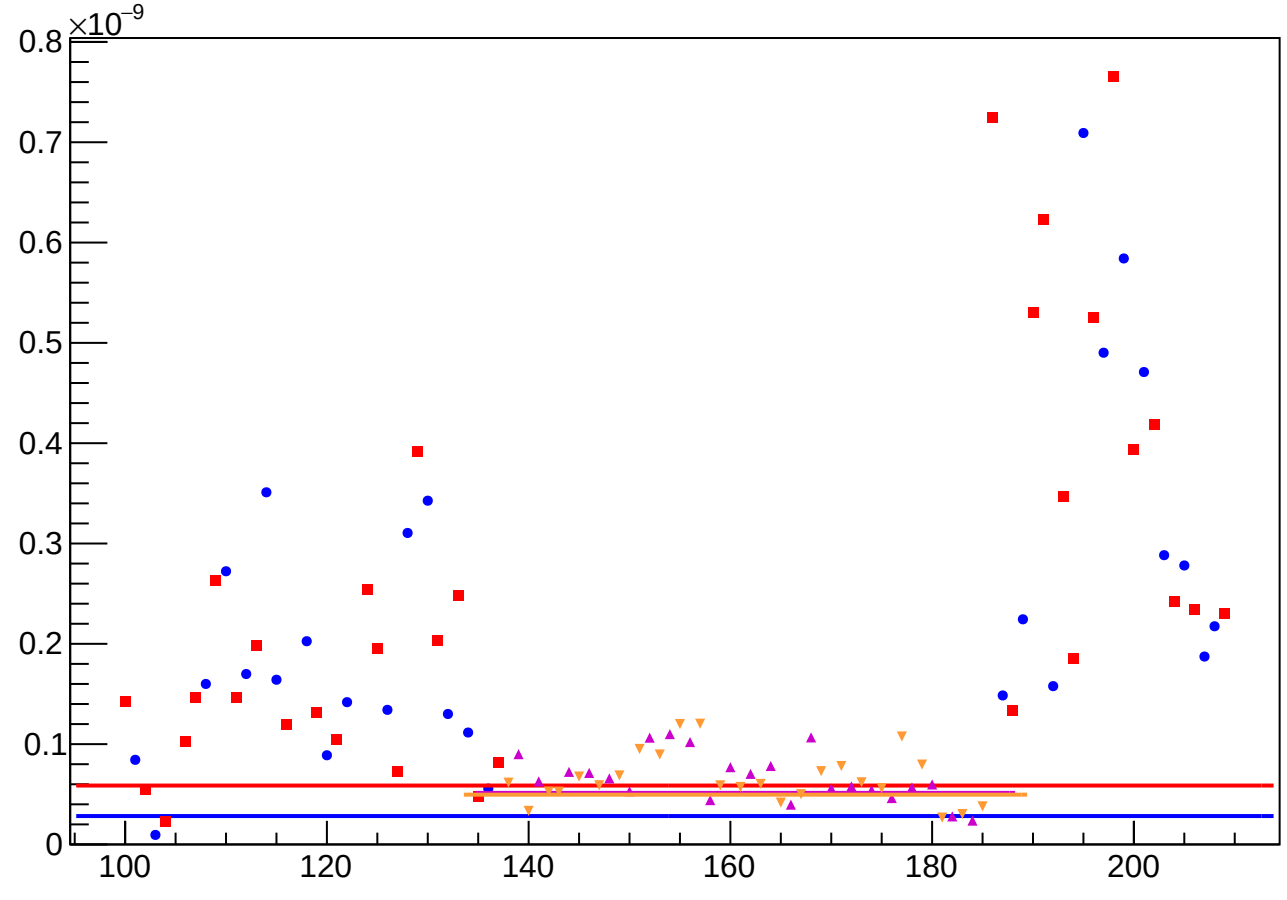
Left: -0.000+/-0.000 χ^2/NDF: 36.9/47

Right: 0.000+/-0.000 χ^2/NDF: 83.6/58

In: -0.000+/-0.000 χ^2/NDF:52.9/49

Out: -0.000+/-0.000 χ^2/NDF:69.6/56

All: -0.000+/-0.000 χ^2/NDF: 122.8/106



Right In: 0.000+/-0.000 χ^2/NDF: 14131287.3/26

Left Out: 0.000+/-0.000 χ^2/NDF:3882649.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 10570187.6/31

Left In: 0.000+/-0.000 χ^2/NDF:3659712.8/22

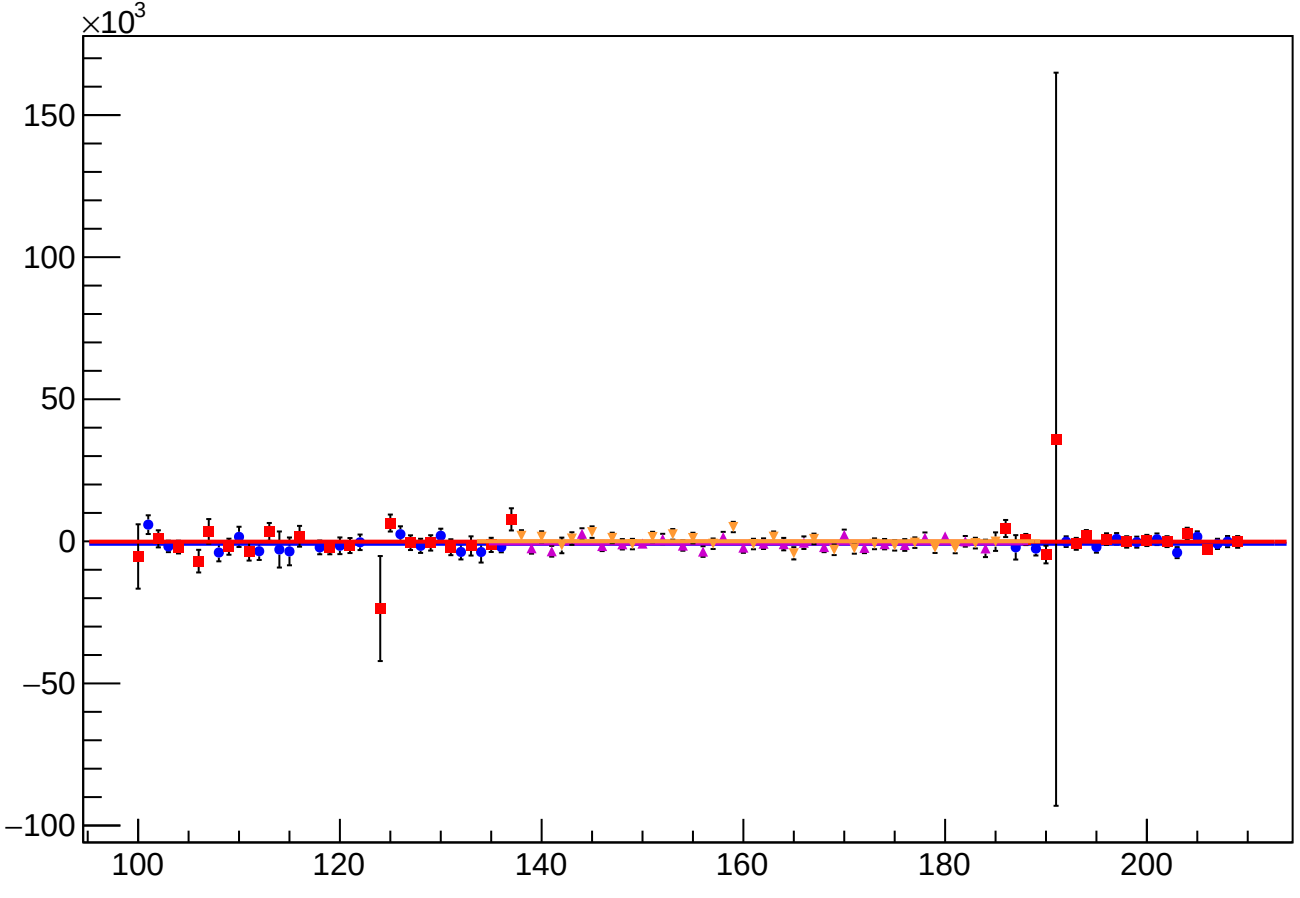
Left: 0.000+/-0.000 χ^2/NDF: 7555879.5/47

Right: 0.000+/-0.000 χ^2/NDF: 26091743.8/58

In: 0.000+/-0.000 χ^2/NDF:19405962.1/49

Out: 0.000+/-0.000 χ^2/NDF:14597687.8/56

All: 0.000+/-0.000 χ^2/NDF: 34451167.9/106



Right In: -861.091+/-461.414 χ^2/NDF: 19.3/26

Left Out: 23.114+/-387.732 χ^2/NDF:29.5/24

Right Out: -108.391+/-454.160 χ^2/NDF: 31.5/31

Left In: -719.504+/-396.449 χ^2/NDF:19.1/22

Left: -339.941+/-277.199 χ^2/NDF: 50.3/47

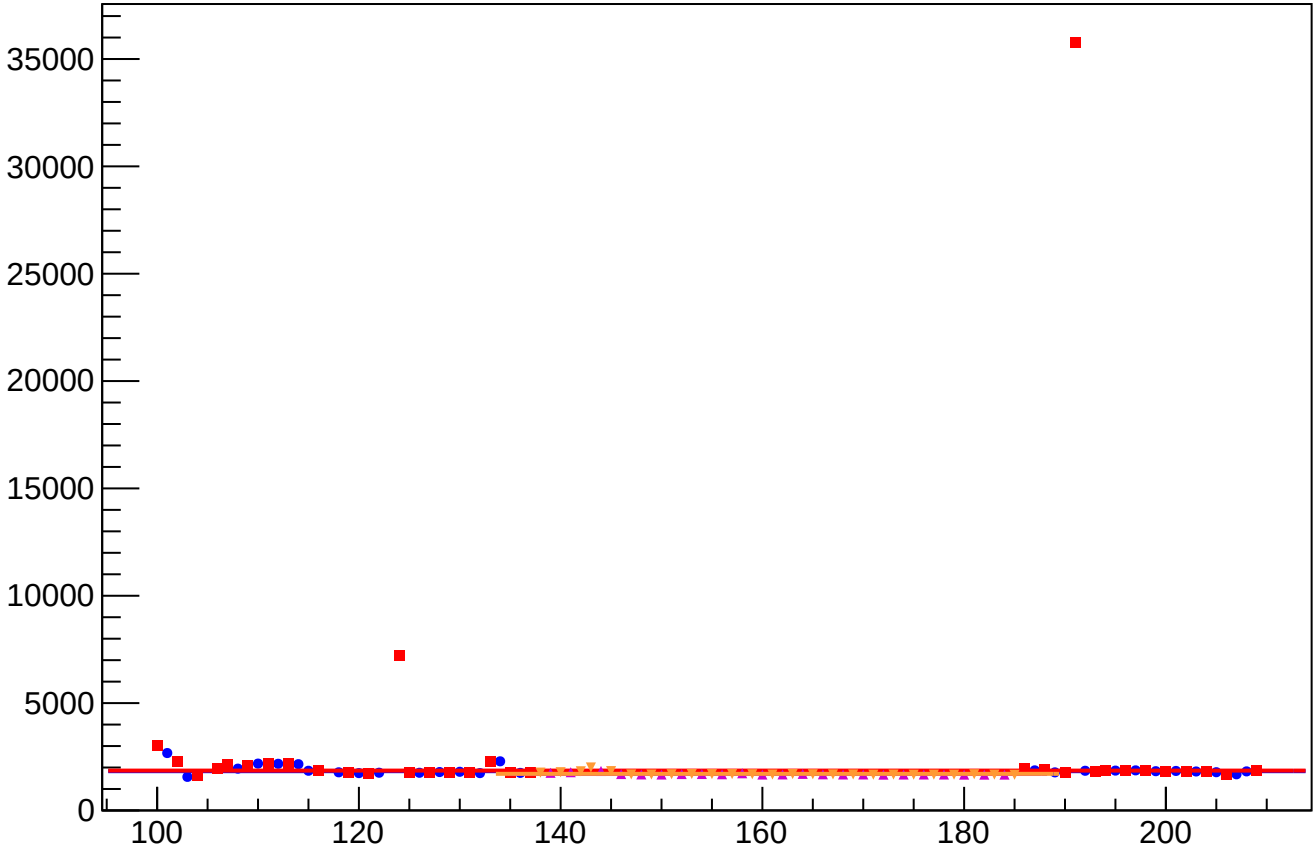
Right: -478.778+/-323.674 χ^2/NDF: 52.2/58

In: -779.636+/-300.700 χ^2/NDF:38.4/49

Out: -32.327+/-294.884 χ^2/NDF:61.0/56

All: -398.685+/-210.541 χ^2/NDF: 102.6/106

reg_asym_atl1r2_dd_rms vs Slug, Sign Corrected



Right In: 1828.909+/-0.326 χ^2/NDF: 278932.6/26

Left Out: 1705.634+/-0.274 χ^2/NDF:59928.6/24

Right Out: 1856.666+/-0.321 χ^2/NDF: 535819.1/31

Left In: 1697.514+/-0.280 χ^2/NDF:21146.9/22

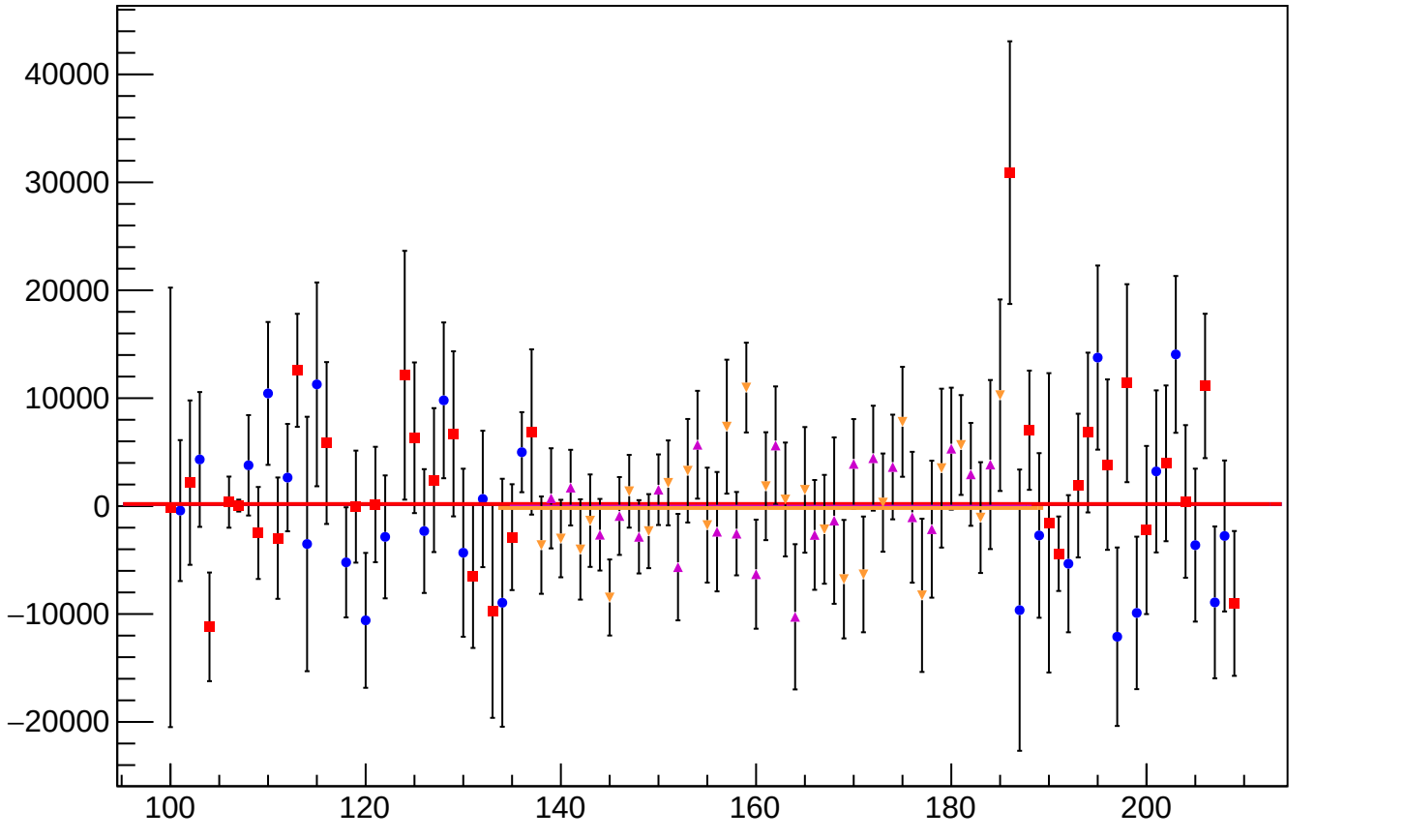
Left: 1701.665+/-0.196 χ^2/NDF: 81504.4/47

Right: 1843.021+/-0.229 χ^2/NDF: 818431.4/58

In: 1753.318+/-0.213 χ^2/NDF:393382.3/49

Out: 1769.378+/-0.208 χ^2/NDF:723824.3/56

All: 1761.508+/-0.149 χ^2/NDF: 1120116.0/10



Right In: 177.948+/-1253.250 χ^2/NDF: 28.4/26

Left Out: -175.777+/-935.141 χ^2/NDF:27.9/24

Right Out: 191.408+/-487.481 χ^2/NDF: 35.2/31

Left In: -56.448+/-956.389 χ^2/NDF:14.3/22

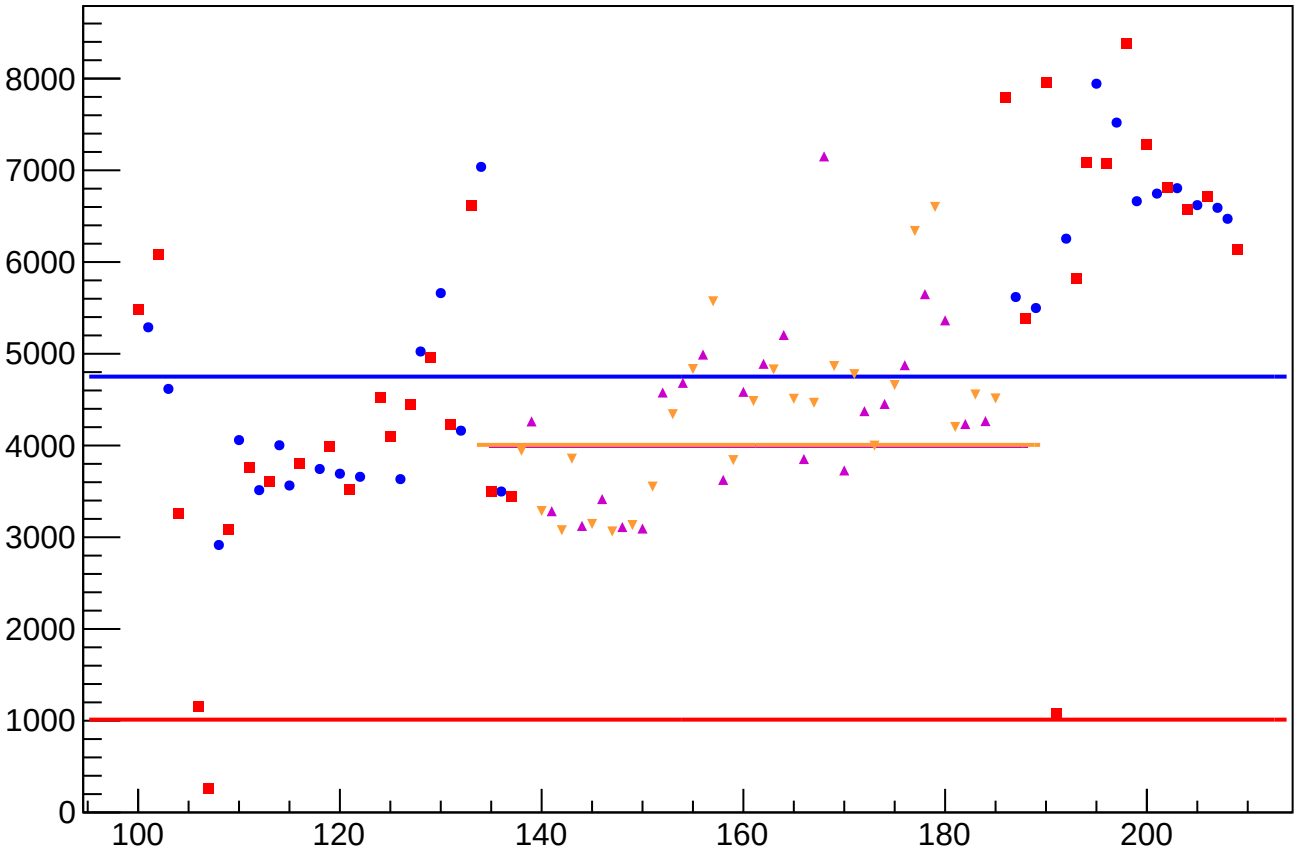
Left: -117.453+/-668.630 χ^2/NDF: 42.2/47

Right: 189.639+/-454.321 χ^2/NDF: 63.5/58

In: 29.818+/-760.294 χ^2/NDF:42.7/49

Out: 112.948+/-432.273 χ^2/NDF:63.2/56

All: 92.640+/-375.781 χ^2/NDF: 105.9/106



Right In: 4751.036+/-0.886 χ^2/NDF: 2639991.2/26

Left Out: 4006.998+/-0.661 χ^2/NDF:1503677.6/24

Right Out: 1011.764+/-0.345 χ^2/NDF: 25041544.9/31

Left In: 3994.974+/-0.676 χ^2/NDF:1538115.4/22

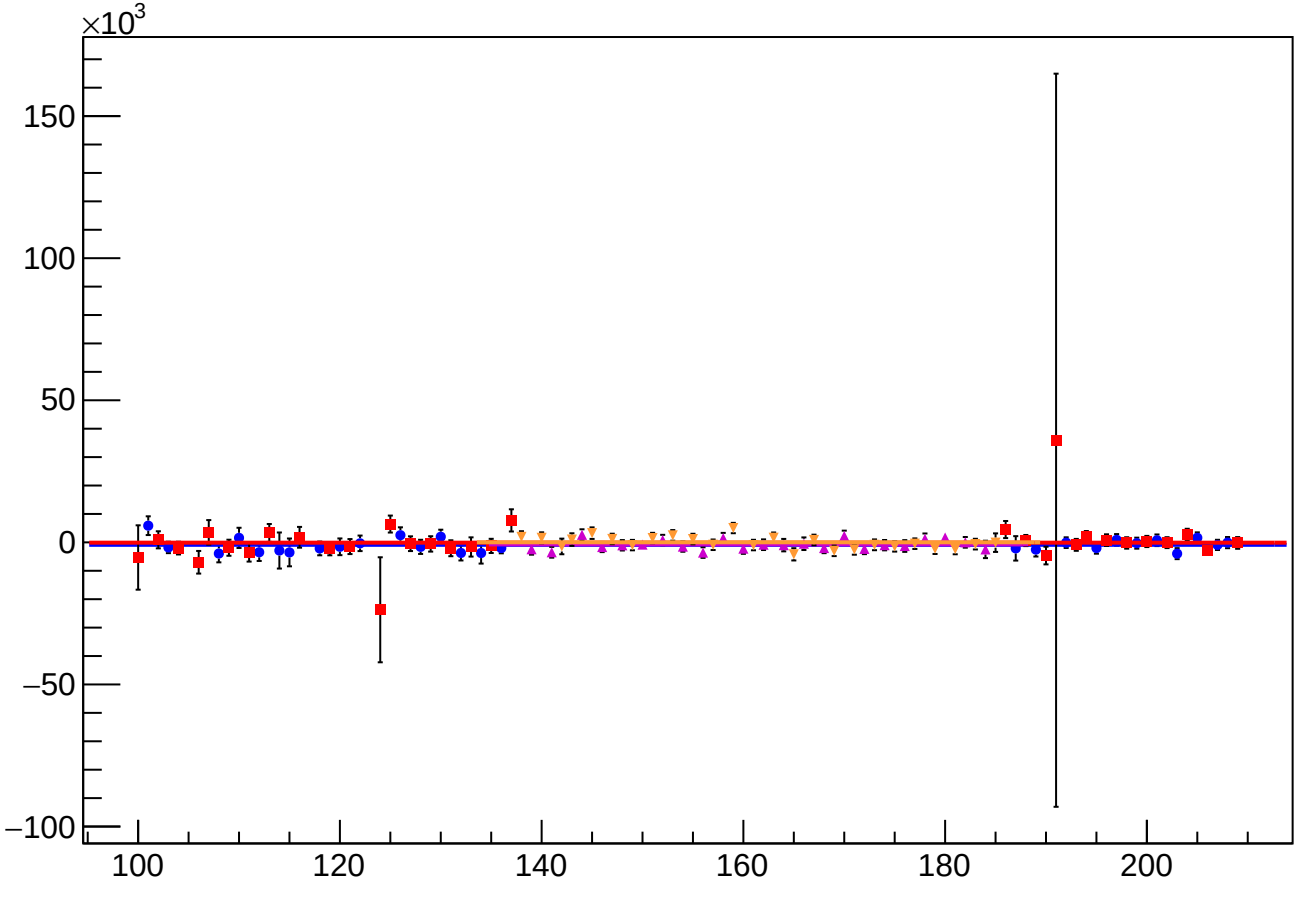
Left: 4001.121+/-0.473 χ^2/NDF: 3041954.6/47

Right: 1503.167+/-0.321 χ^2/NDF: 43146190.5/58

In: 4273.230+/-0.538 χ^2/NDF:4638112.2/49

Out: 1651.781+/-0.306 χ^2/NDF:42679050.2/56

All: 2292.177+/-0.266 χ^2/NDF: 65285376.4/



Right In: -860.910+/-461.414 χ^2/NDF: 19.3/26

Left Out: 23.186+/-387.732 χ^2/NDF:29.5/24

Right Out: -108.539+/-454.160 χ^2/NDF: 31.5/31

Left In: -719.380+/-396.449 χ^2/NDF:19.1/22

Left: -339.844+/-277.199 χ^2/NDF: 50.3/47

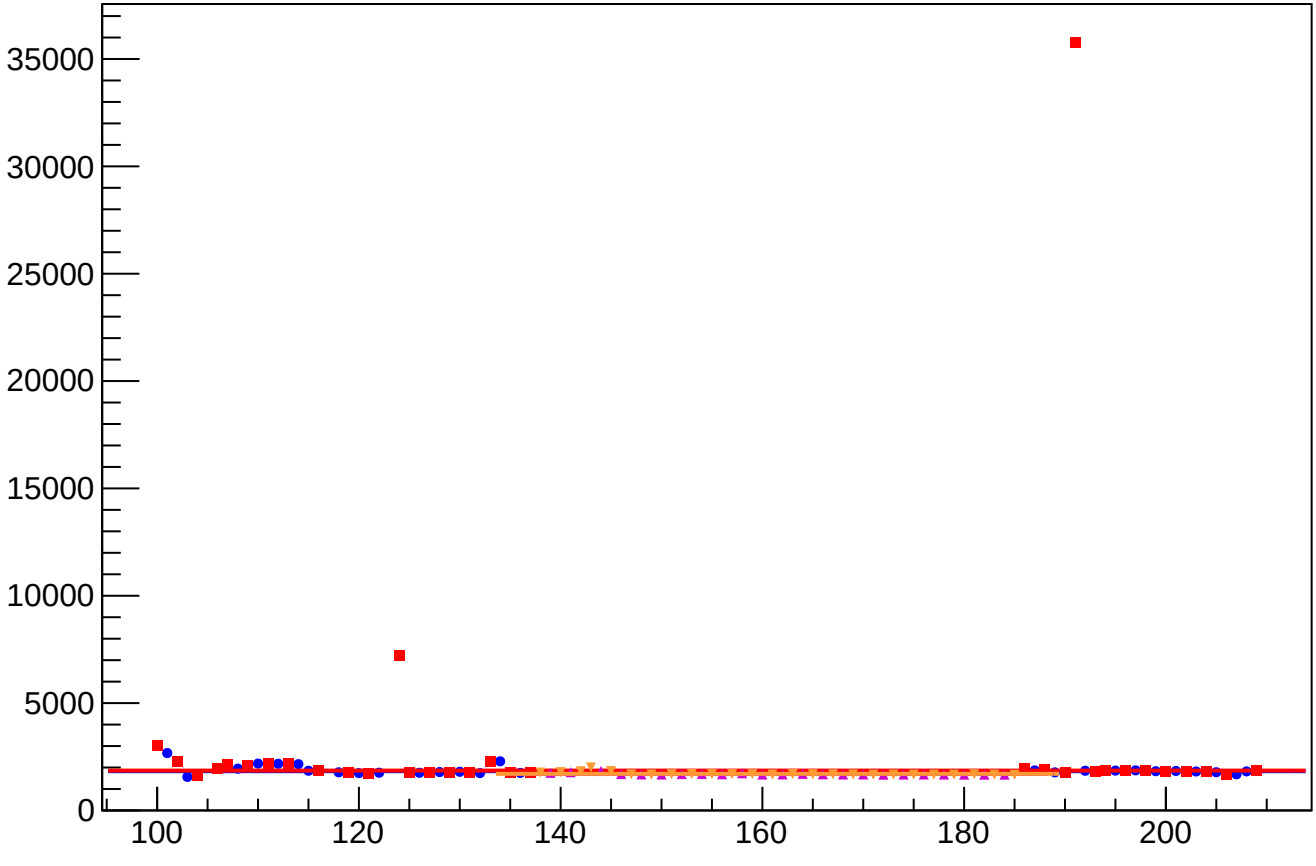
Right: -478.765+/-323.674 χ^2/NDF: 52.2/58

In: -779.489+/-300.700 χ^2/NDF:38.4/49

Out: -32.347+/-294.884 χ^2/NDF:61.1/56

All: -398.623+/-210.541 χ^2/NDF: 102.6/106

cor_asym_atl1r2_dd_rms vs Slug, Sign Corrected



Right In: 1828.909+/-0.326 χ^2/NDF: 278931.8/26

Left Out: 1705.635+/-0.274 χ^2/NDF:59928.6/24

Right Out: 1856.850+/-0.321 χ^2/NDF: 536158.7/31

Left In: 1697.514+/-0.280 χ^2/NDF:21146.9/22

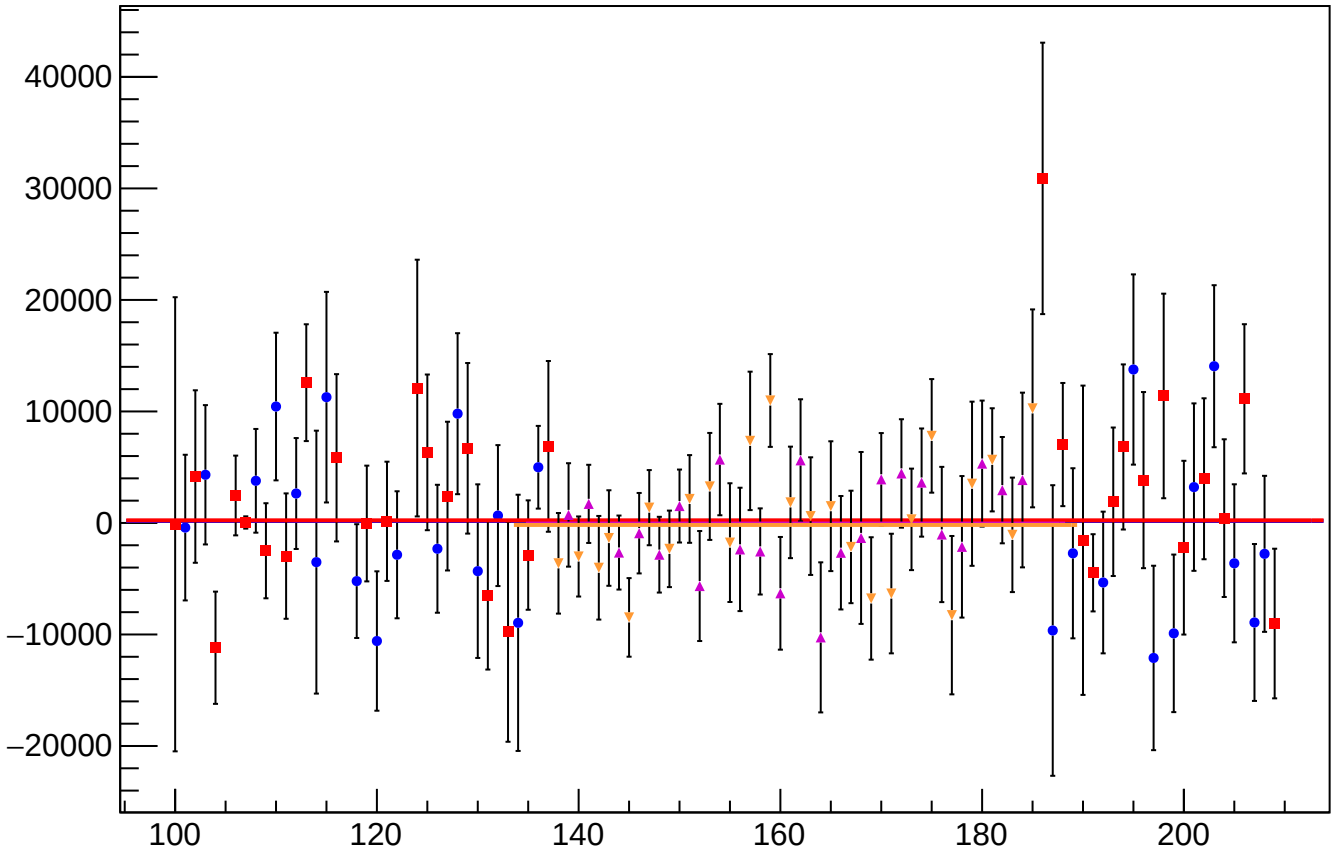
Left: 1701.665+/-0.196 χ^2/NDF: 81504.4/47

Right: 1843.113+/-0.229 χ^2/NDF: 818818.8/58

In: 1753.318+/-0.213 χ^2/NDF:393381.8/49

Out: 1769.449+/-0.208 χ^2/NDF:724462.1/56

All: 1761.544+/-0.149 χ^2/NDF: 1120778.8/10



Right In: 177.898+/-1253.253 χ^2/NDF: 28.4/26

Left Out: -175.755+/-935.140 χ^2/NDF:27.9/24

Right Out: 233.836+/-493.412 χ^2/NDF: 35.8/31

Left In: -56.377+/-956.388 χ^2/NDF:14.3/22

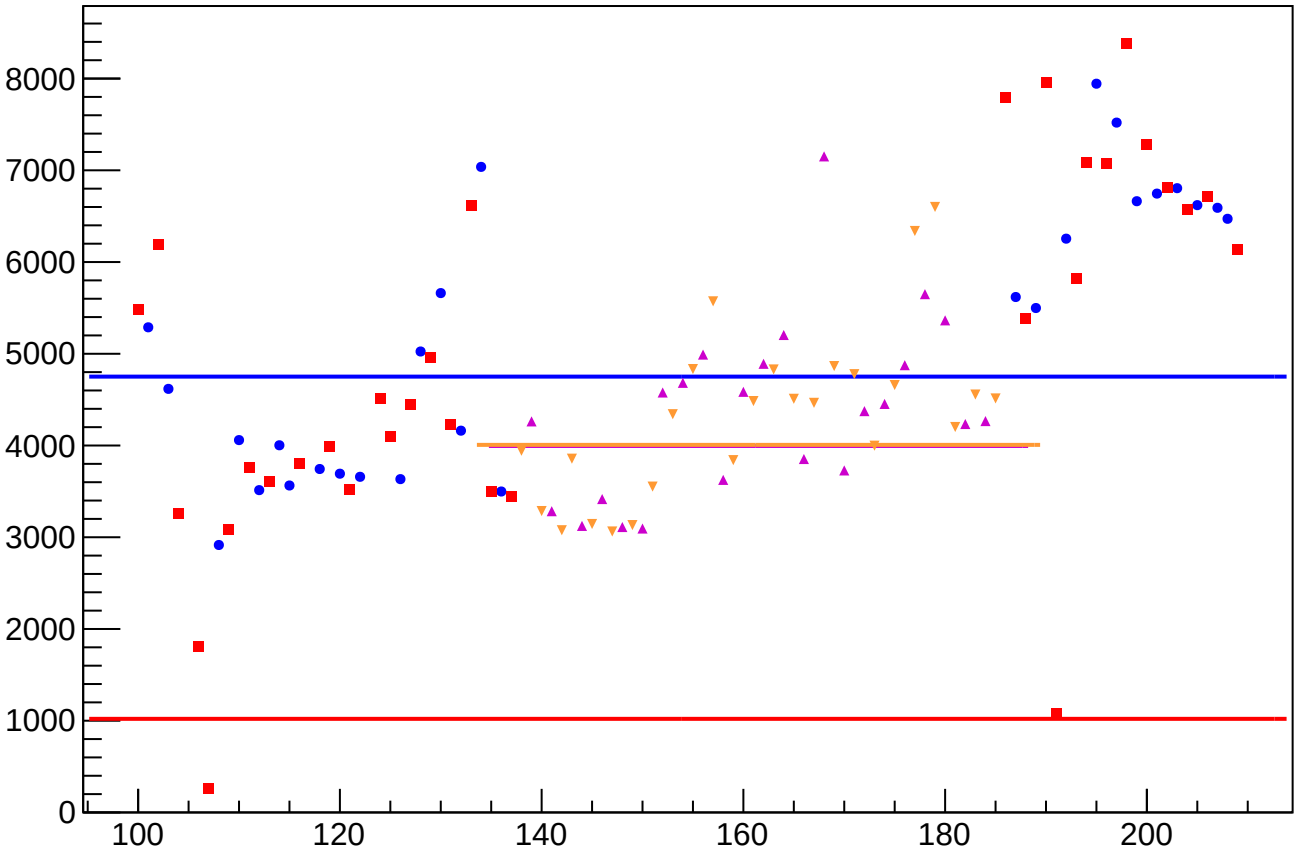
Left: -117.407+/-668.630 χ^2/NDF: 42.2/47

Right: 226.329+/-459.111 χ^2/NDF: 64.2/58

In: 29.843+/-760.294 χ^2/NDF:42.7/49

Out: 144.639+/-436.392 χ^2/NDF:63.9/56

All: 116.192+/-378.478 χ^2/NDF: 106.6/106



Right In: 4751.047+/-0.886 χ^2/NDF: 2640001.1/26

Left Out: 4006.990+/-0.661 χ^2/NDF:1503698.2/24

Right Out: 1020.476+/-0.349 χ^2/NDF: 25144895.8/31

Left In: 3994.972+/-0.676 χ^2/NDF:1538098.4/22

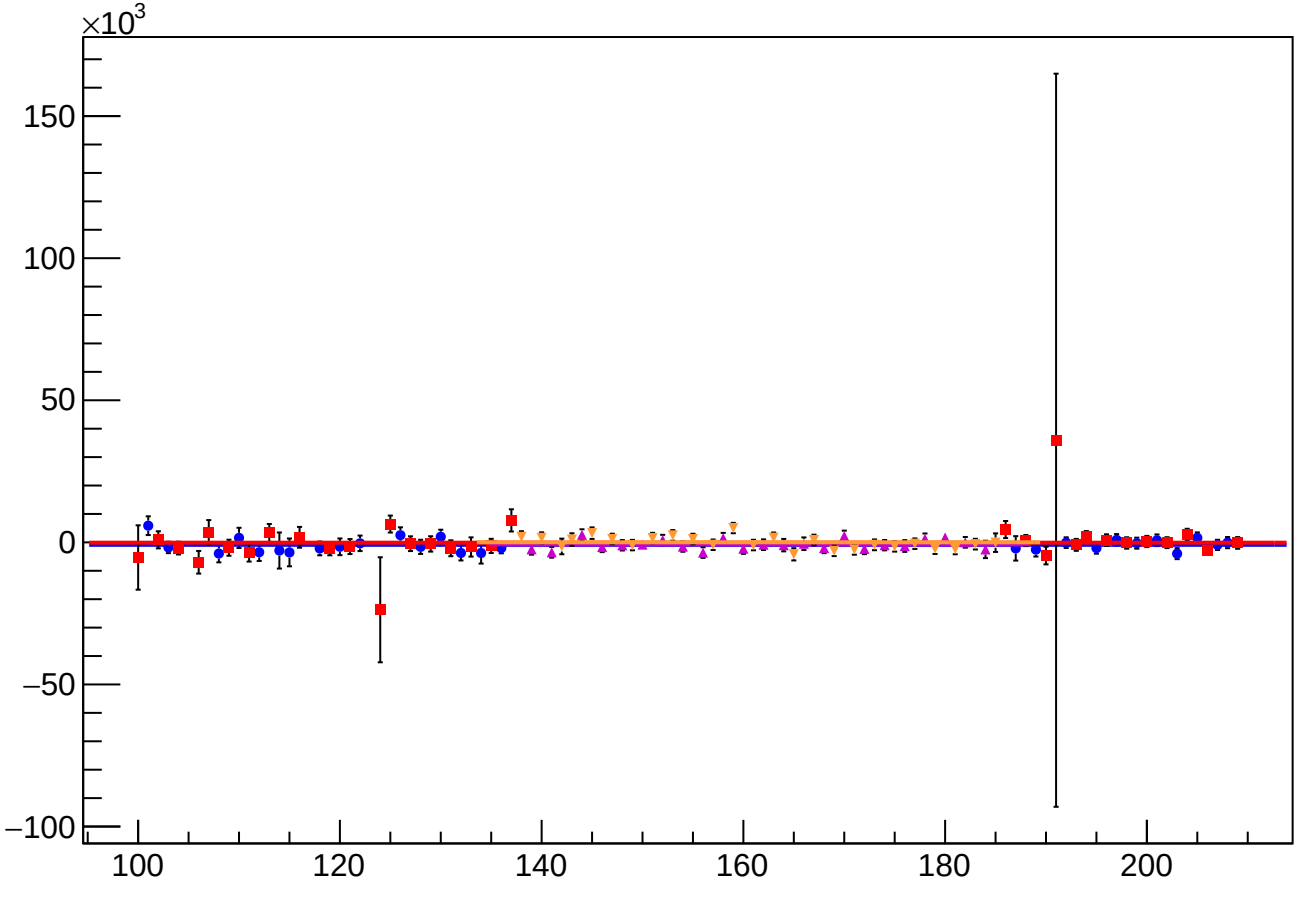
Left: 4001.116+/-0.473 χ^2/NDF: 3041958.1/47

Right: 1521.125+/-0.325 χ^2/NDF: 43128224.4/58

In: 4273.232+/-0.538 χ^2/NDF:4638119.1/49

Out: 1670.852+/-0.309 χ^2/NDF:42605182.8/56

All: 2315.746+/-0.268 χ^2/NDF: 64868585.5/



Right In: -860.910+/-461.414 χ^2/NDF: 19.3/26

Left Out: 23.186+/-387.732 χ^2/NDF:29.5/24

Right Out: -108.539+/-454.160 χ^2/NDF: 31.5/31

Left In: -719.380+/-396.449 χ^2/NDF:19.1/22

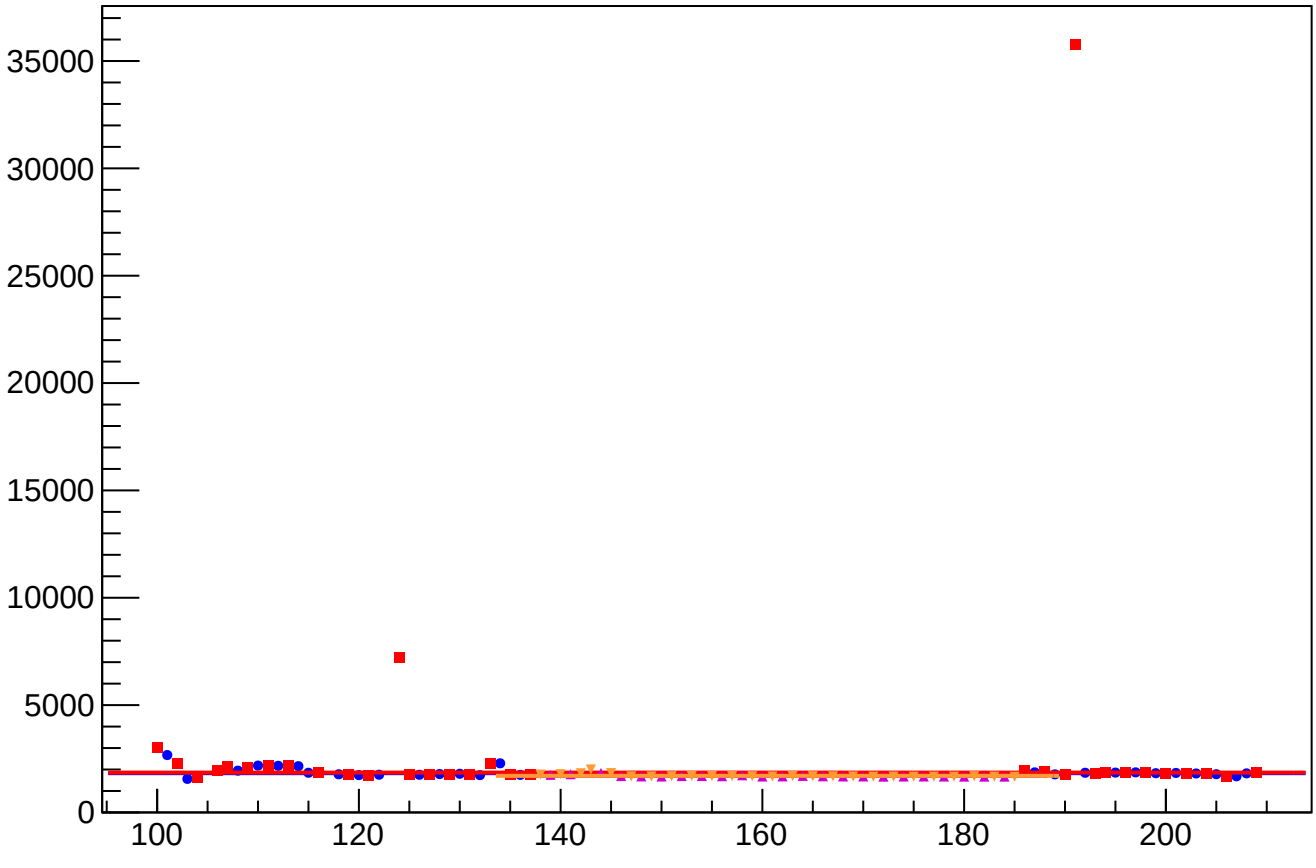
Left: -339.844+/-277.199 χ^2/NDF: 50.3/47

Right: -478.765+/-323.674 χ^2/NDF: 52.2/58

In: -779.489+/-300.700 χ^2/NDF:38.4/49

Out: -32.347+/-294.884 χ^2/NDF:61.1/56

All: -398.623+/-210.541 χ^2/NDF: 102.6/106



Right In: 1828.909+/-0.326 χ^2/NDF: 278931.8/26

Left Out: 1705.635+/-0.274 χ^2/NDF:59928.6/24

Right Out: 1856.850+/-0.321 χ^2/NDF: 536158.7/31

Left In: 1697.514+/-0.280 χ^2/NDF:21146.9/22

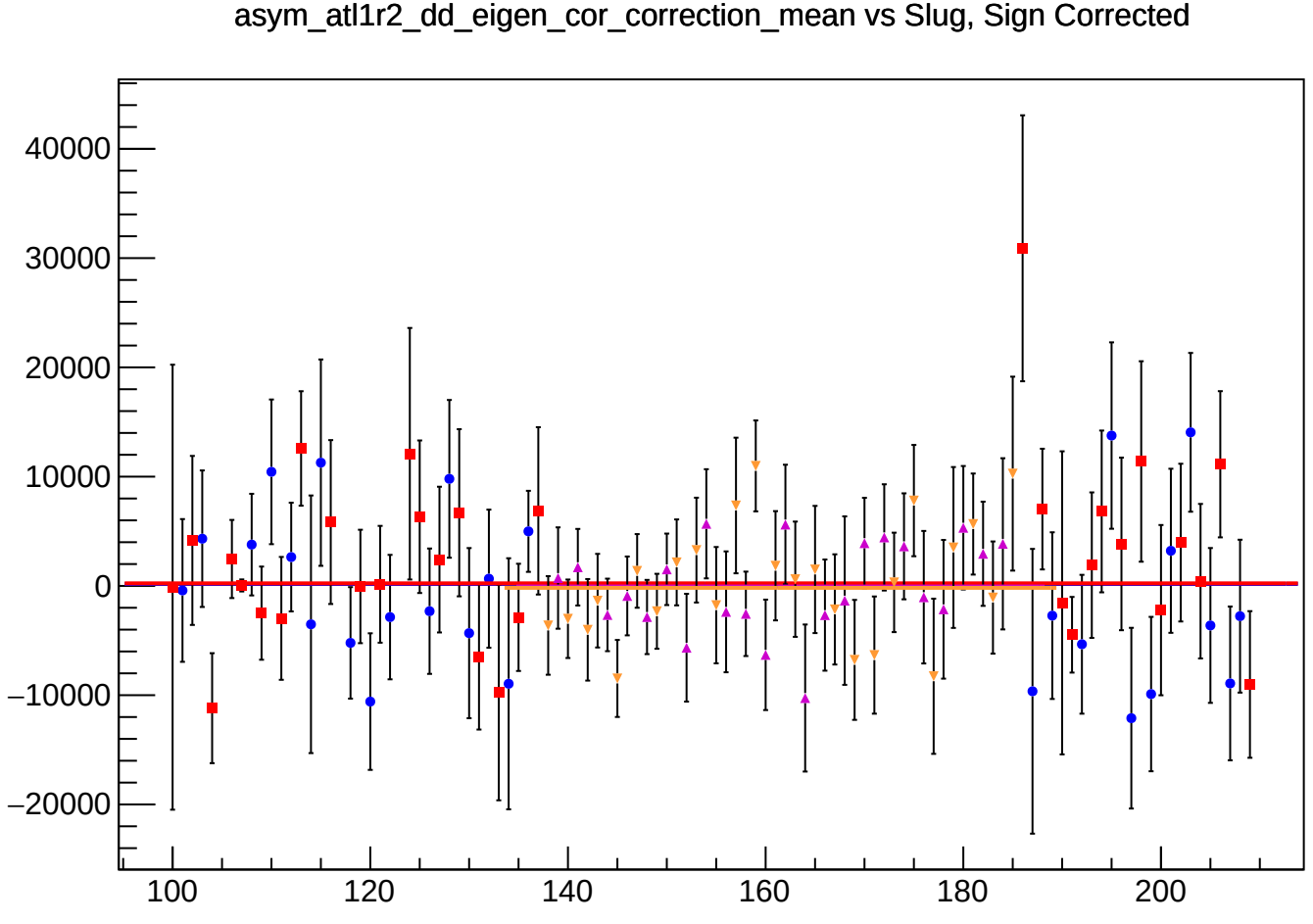
Left: 1701.665+/-0.196 χ^2/NDF: 81504.4/47

Right: 1843.113+/-0.229 χ^2/NDF: 818818.8/58

In: 1753.318+/-0.213 χ^2/NDF:393381.8/49

Out: 1769.449+/-0.208 χ^2/NDF:724462.1/56

All: 1761.544+/-0.149 χ^2/NDF: 1120778.8/10



Right In: 177.898+/-1253.253 χ^2/NDF: 28.4/26

Left Out: -175.755+/-935.140 χ^2/NDF:27.9/24

Right Out: 233.836+/-493.412 χ^2/NDF: 35.8/31

Left In: -56.377+/-956.388 χ^2/NDF:14.3/22

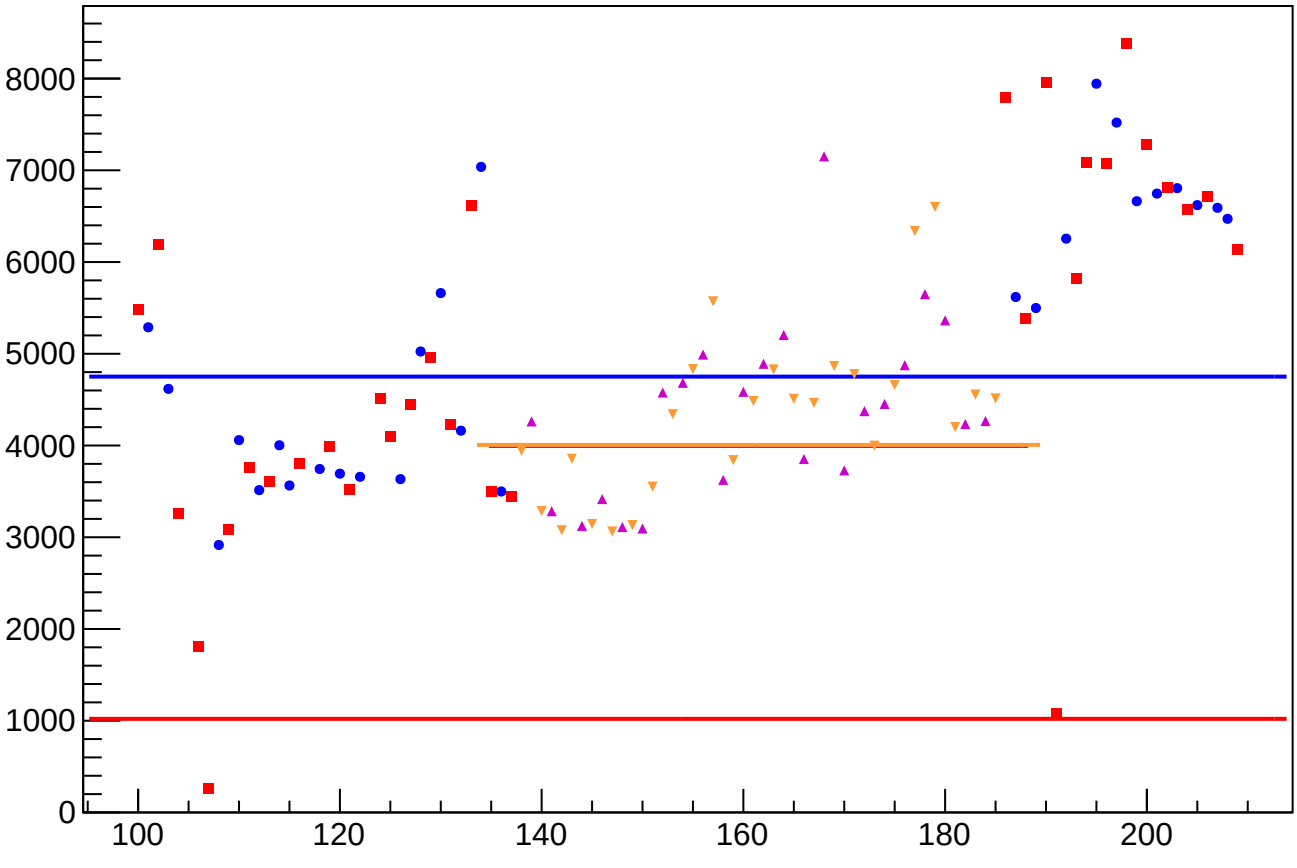
Left: -117.407+/-668.630 χ^2/NDF: 42.2/47

Right: 226.329+/-459.111 χ^2/NDF: 64.2/58

In: 29.843+/-760.294 χ^2/NDF:42.7/49

Out: 144.639+/-436.392 χ^2/NDF:63.9/56

All: 116.192+/-378.478 χ^2/NDF: 106.6/106



Right In: 4751.047+/-0.886 χ^2/NDF: 2640001.1/26

Left Out: 4006.990+/-0.661 χ^2/NDF:1503698.2/24

Right Out: 1020.476+/-0.349 χ^2/NDF: 25144895.8/31

Left In: 3994.972+/-0.676 χ^2/NDF:1538098.4/22

Left: 4001.116+/-0.473 χ^2/NDF: 3041958.1/47

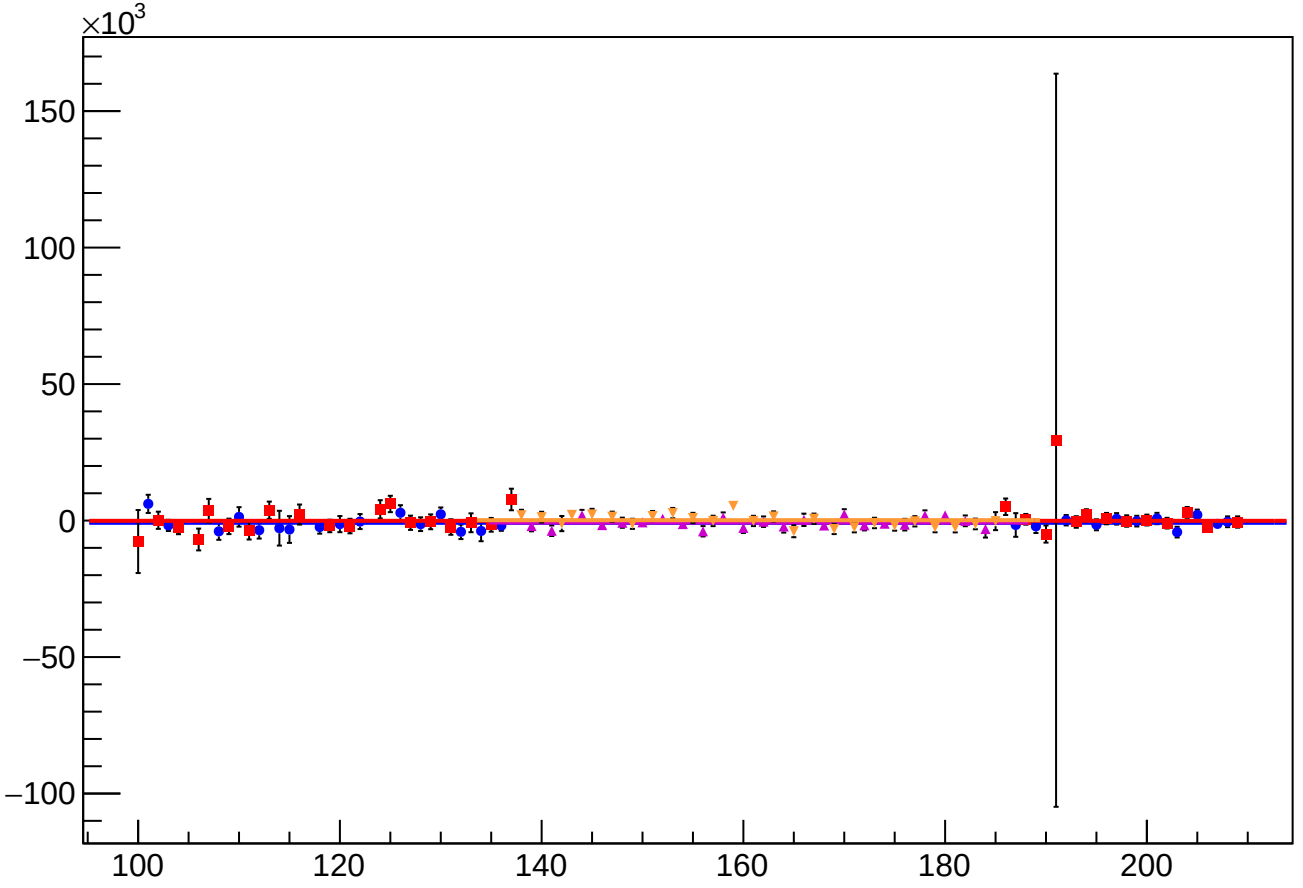
Right: 1521.125+/-0.325 χ^2/NDF: 43128224.4/58

In: 4273.232+/-0.538 χ^2/NDF:4638119.1/49

Out: 1670.852+/-0.309 χ^2/NDF:42605182.8/56

All: 2315.746+/-0.268 χ^2/NDF: 64868585.5/

dit_asym_atl1r2_dd_mean vs Slug, Sign Corrected



Right In: -822.330+/-466.371 χ^2/NDF: 20.5/26

Left Out: 119.959+/-389.458 χ^2/NDF:29.7/24

Right Out: -88.336+/-455.927 χ^2/NDF: 32.8/31

Left In: -741.191+/-404.161 χ^2/NDF:19.0/22

Left: -294.668+/-280.442 χ^2/NDF: 51.1/47

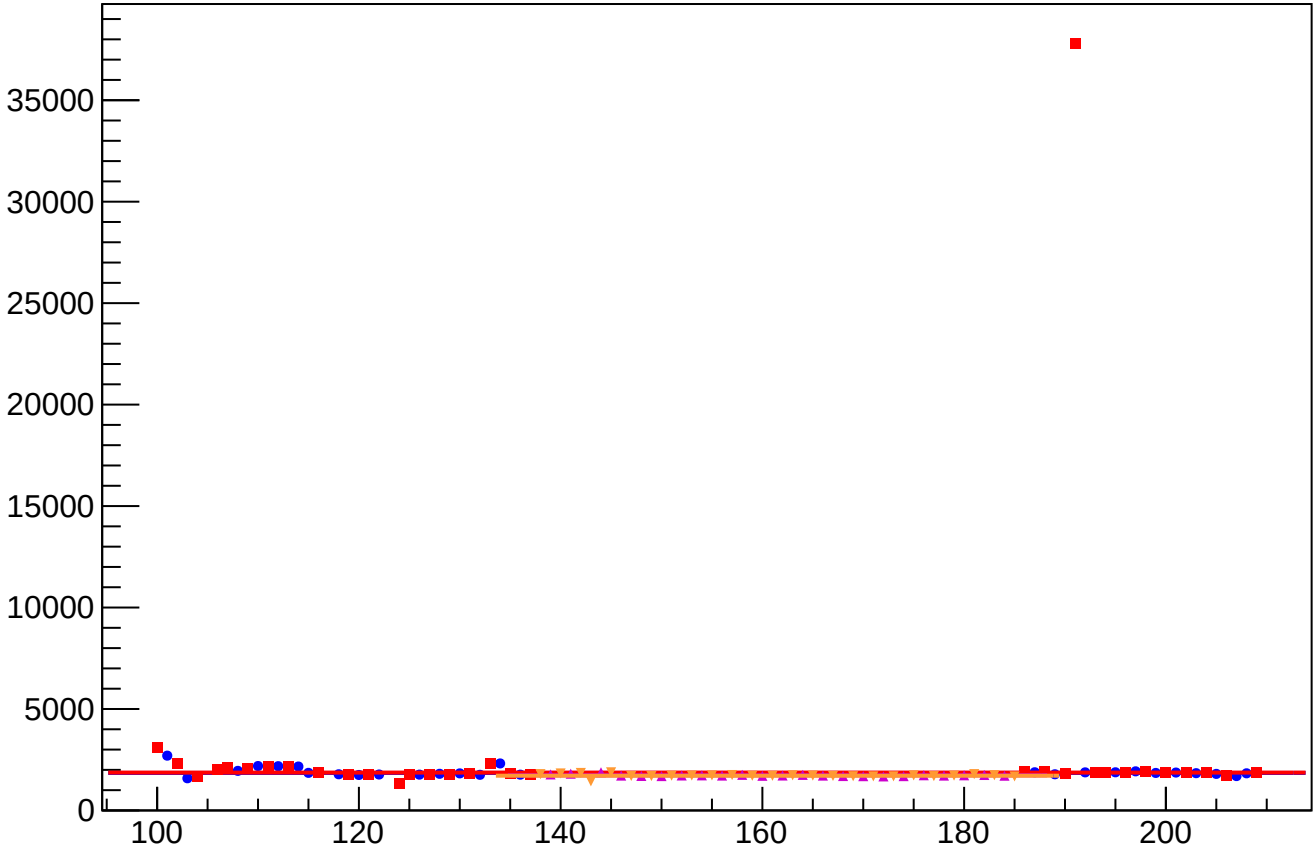
Right: -447.022+/-326.019 χ^2/NDF: 54.6/58

In: -775.991+/-305.429 χ^2/NDF:39.6/49

Out: 32.088+/-296.127 χ^2/NDF:62.6/56

All: -359.459+/-212.606 χ^2/NDF: 105.8/106

dit_asym_atl1r2_dd_rms vs Slug, Sign Corrected



Right In: 1848.326+/-0.330 χ^2/NDF: 279064.2/26

Left Out: 1712.310+/-0.275 χ^2/NDF:94399.0/24

Right Out: 1865.749+/-0.322 χ^2/NDF: 430496.3/31

Left In: 1730.342+/-0.286 χ^2/NDF:23075.7/22

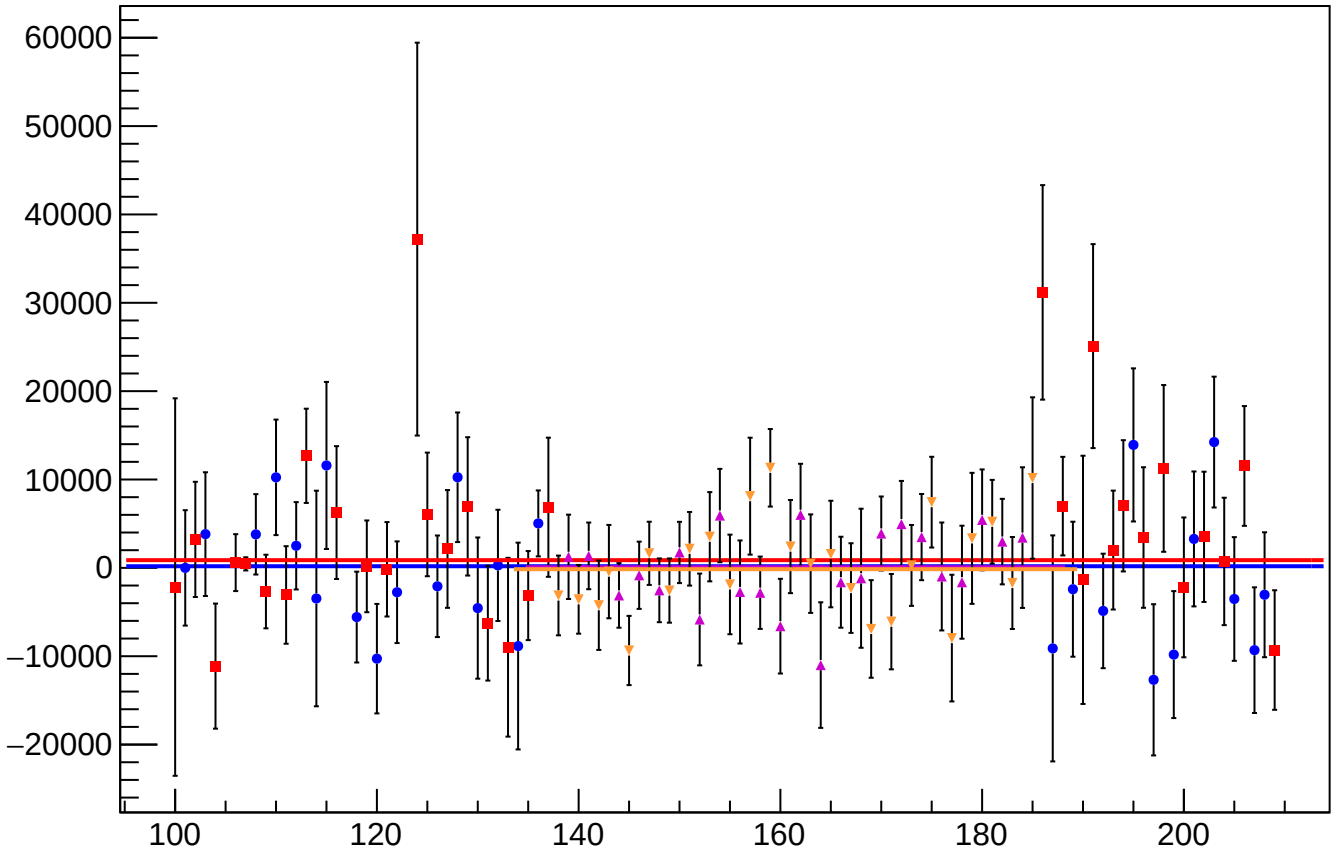
Left: 1720.992+/-0.198 χ^2/NDF: 119539.0/47

Right: 1857.238+/-0.230 χ^2/NDF: 710988.1/58

In: 1780.945+/-0.216 χ^2/NDF:375241.4/49

Out: 1777.065+/-0.209 χ^2/NDF:655910.8/56

All: 1778.945+/-0.150 χ^2/NDF: 1031318.5/10



Right In: 184.241+/-1263.604 χ^2/NDF: 28.1/26

Left Out: -150.169+/-984.984 χ^2/NDF:26.9/24

Right Out: 871.495+/-629.684 χ^2/NDF: 36.2/31

Left In: 65.169+/-1000.106 χ^2/NDF:14.0/22

Left: -44.140+/-701.774 χ^2/NDF: 40.9/47

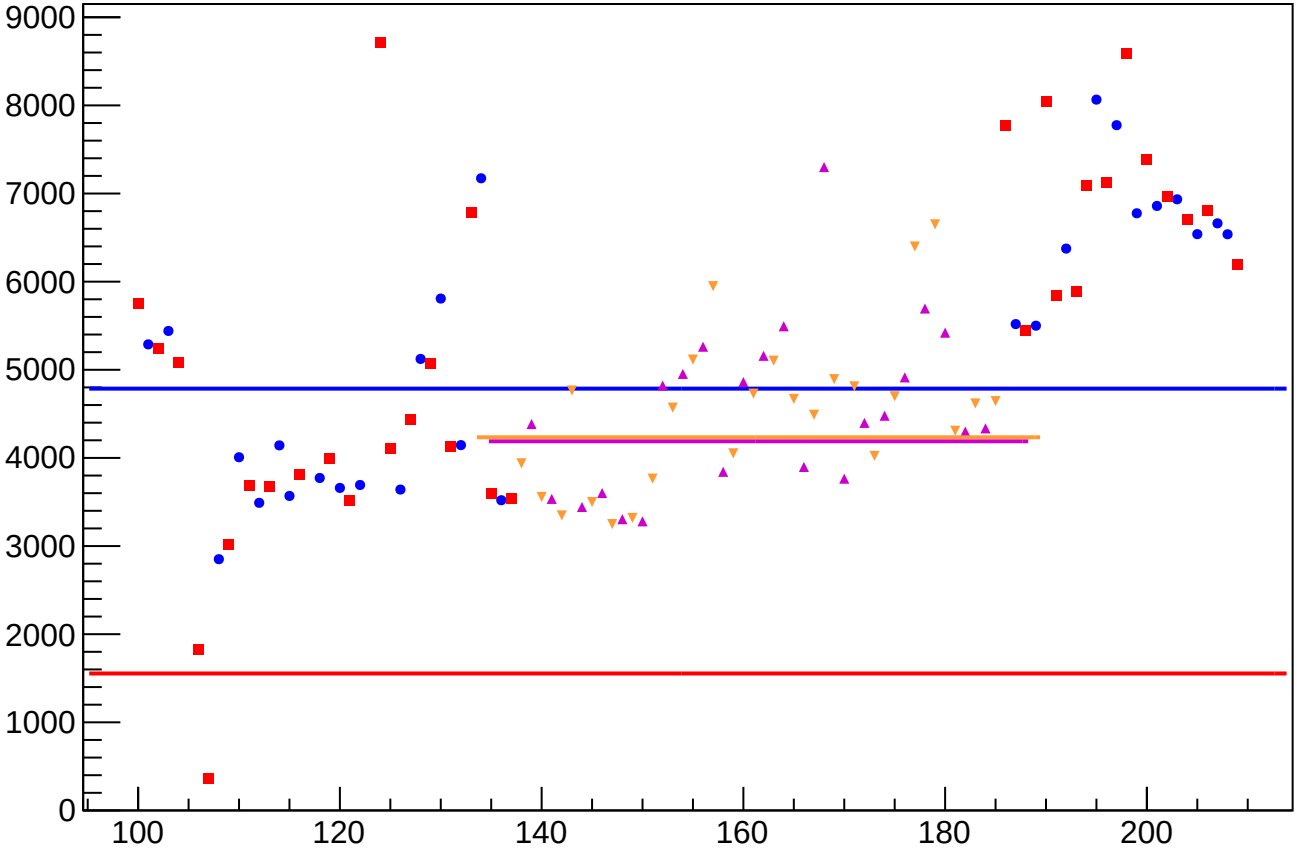
Right: 734.782+/-563.584 χ^2/NDF: 64.5/58

In: 111.030+/-784.204 χ^2/NDF:42.1/49

Out: 575.093+/-530.537 χ^2/NDF:63.8/56

All: 429.385+/-439.423 χ^2/NDF: 106.1/106

asym_atl1r2_dd_dit_correction_rms vs Slug, Sign Corrected



Right In: 4786.221+/-0.894 χ^2/NDF: 2793236.3/26

Left Out: 4233.905+/-0.696 χ^2/NDF:1284783.2/24

Right Out: 1554.173+/-0.445 χ^2/NDF: 22171357.4/31

Left In: 4188.874+/-0.707 χ^2/NDF:1344602.0/22

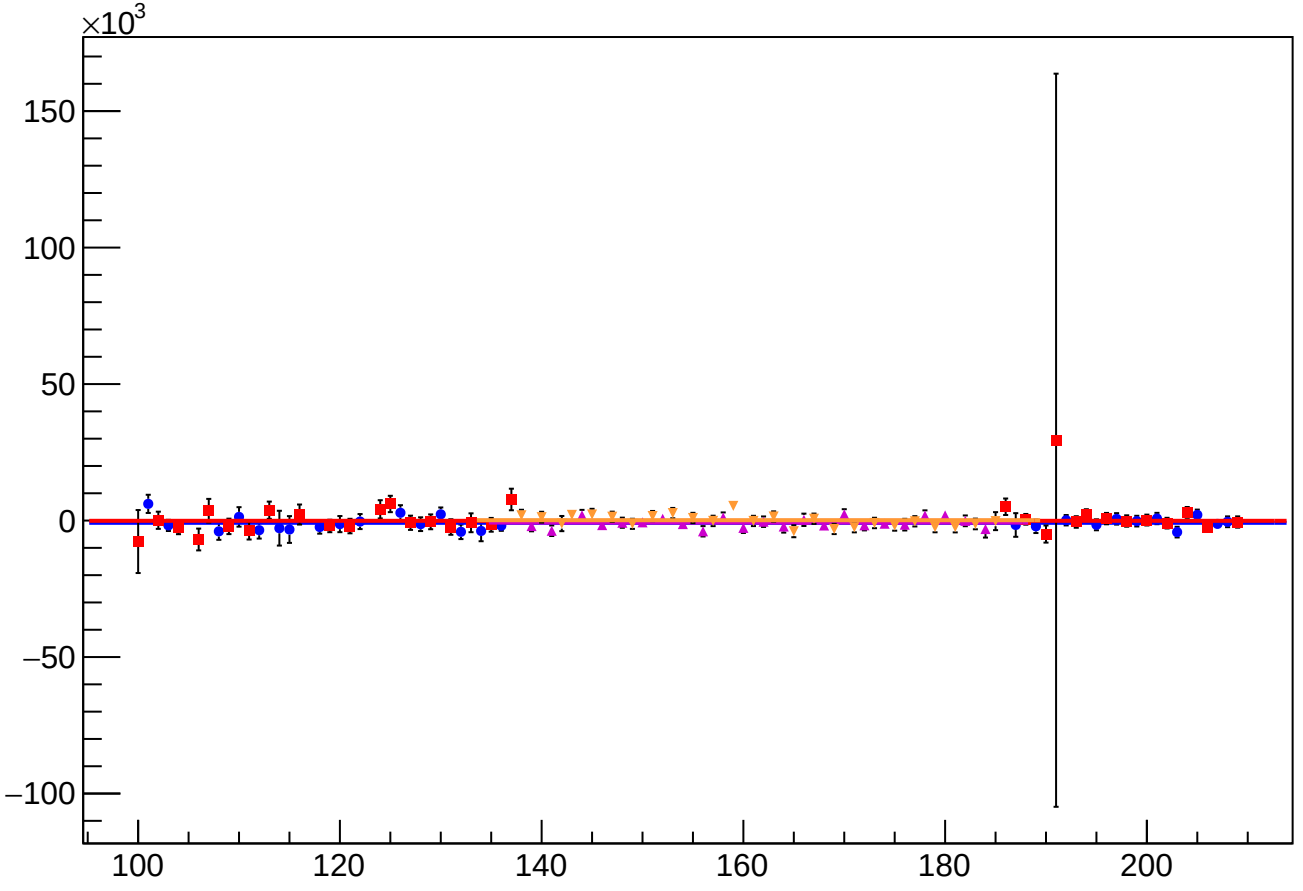
Left: 4211.733+/-0.496 χ^2/NDF: 2631443.5/47

Right: 2197.116+/-0.399 χ^2/NDF: 35446386.9/58

In: 4418.945+/-0.555 χ^2/NDF:4412645.1/49

Out: 2331.609+/-0.375 χ^2/NDF:33964649.5/56

All: 2987.000+/-0.311 χ^2/NDF: 48097851.2/1



Right In: -822.331+/-466.371 χ^2/NDF: 20.5/26

Left Out: 119.962+/-389.458 χ^2/NDF:29.7/24

Right Out: -88.336+/-455.927 χ^2/NDF: 32.8/31

Left In: -741.189+/-404.161 χ^2/NDF:19.0/22

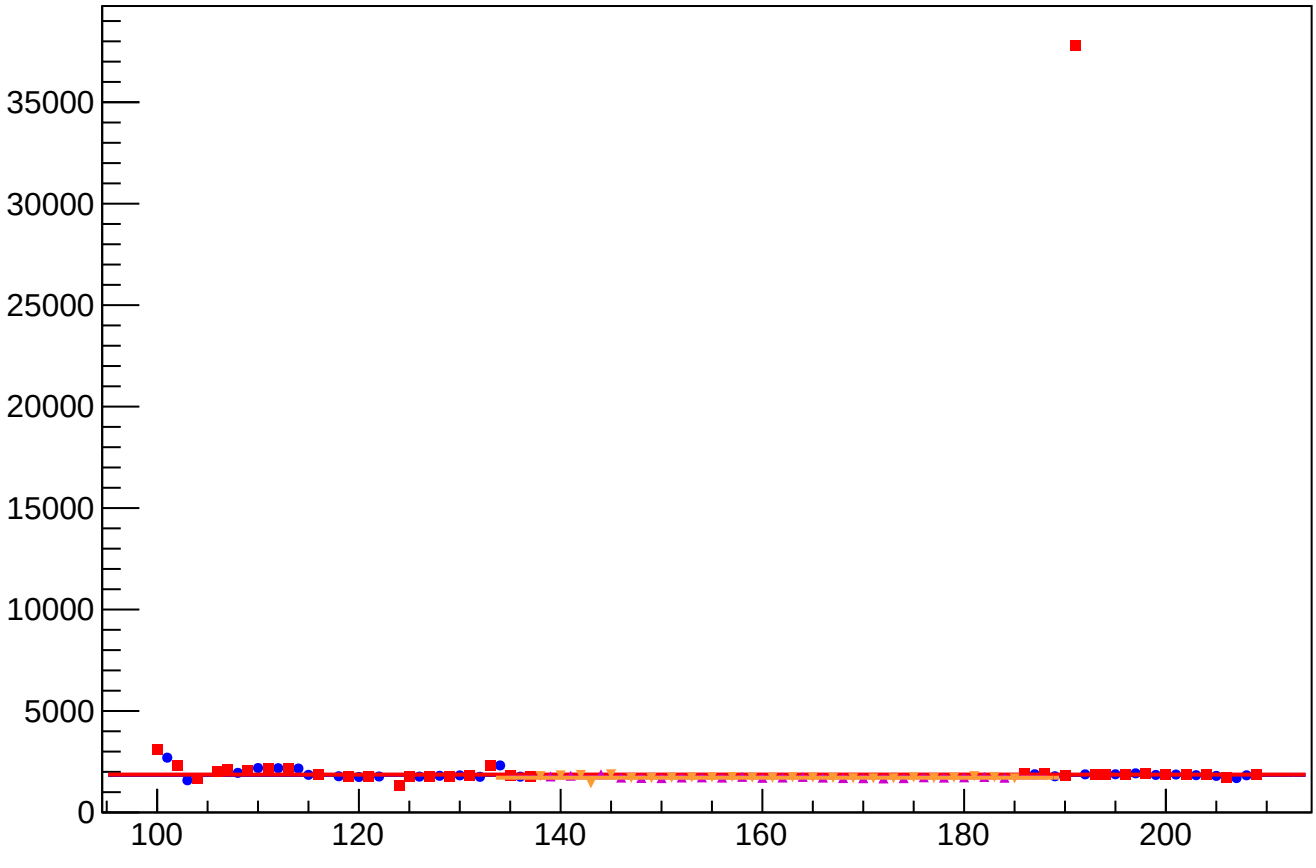
Left: -294.666+/-280.442 χ^2/NDF: 51.1/47

Right: -447.022+/-326.019 χ^2/NDF: 54.6/58

In: -775.991+/-305.429 χ^2/NDF:39.6/49

Out: 32.089+/-296.127 χ^2/NDF:62.6/56

All: -359.458+/-212.606 χ^2/NDF: 105.8/106



Right In: 1848.326+/-0.330 χ^2/NDF: 279064.0/26

Left Out: 1712.310+/-0.275 χ^2/NDF:94398.1/24

Right Out: 1865.749+/-0.322 χ^2/NDF: 430496.5/31

Left In: 1730.342+/-0.286 χ^2/NDF:23075.7/22

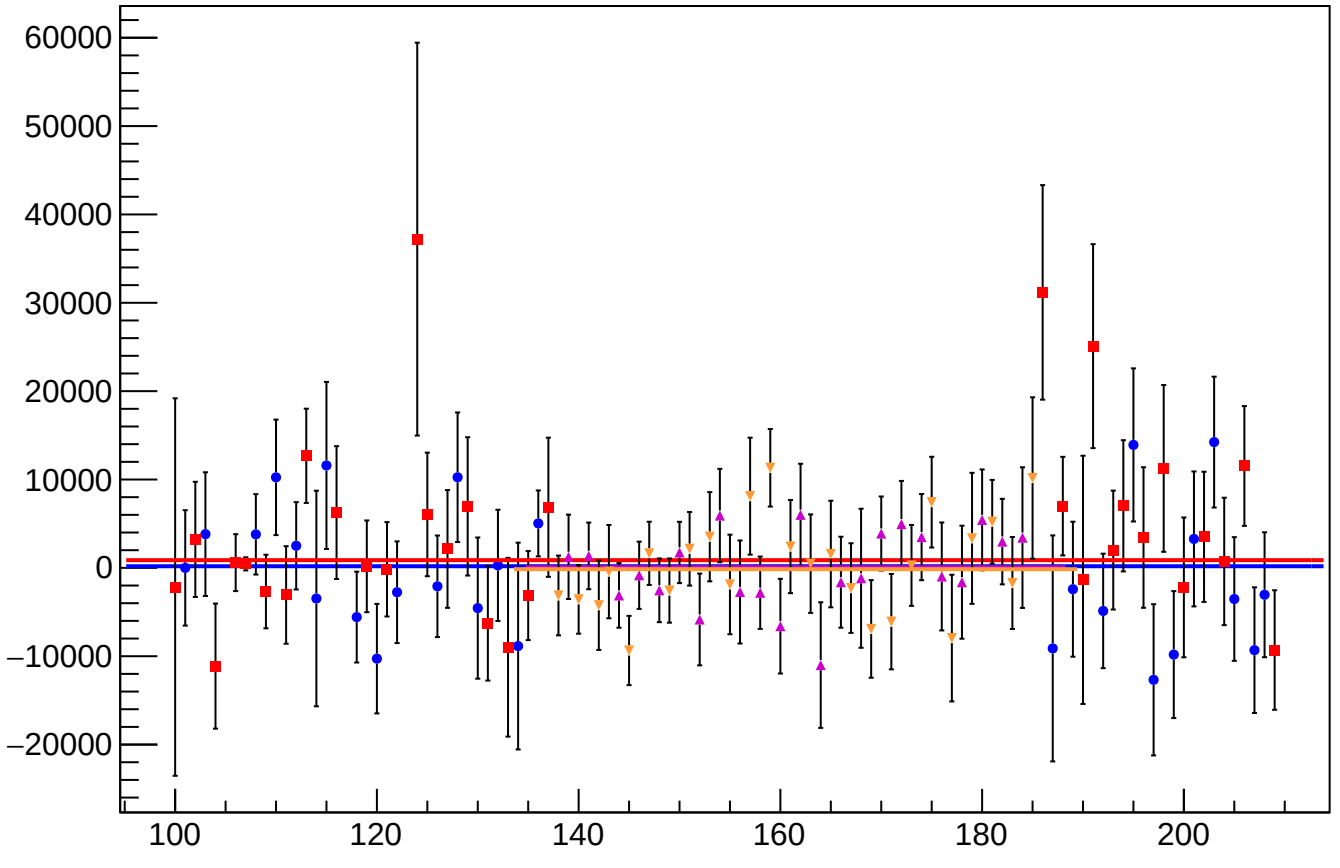
Left: 1720.992+/-0.198 χ^2/NDF: 119538.1/47

Right: 1857.238+/-0.230 χ^2/NDF: 710988.3/58

In: 1780.946+/-0.216 χ^2/NDF:375240.5/49

Out: 1777.066+/-0.209 χ^2/NDF:655909.4/56

All: 1778.945+/-0.150 χ^2/NDF: 1031316.3/10



Right In: 184.231+/-1263.603 χ^2/NDF: 28.1/26

Left Out: -150.169+/-984.986 χ^2/NDF:26.9/24

Right Out: 871.513+/-629.693 χ^2/NDF: 36.2/31

Left In: 65.171+/-1000.108 χ^2/NDF:14.0/22

Left: -44.139+/-701.775 χ^2/NDF: 40.9/47

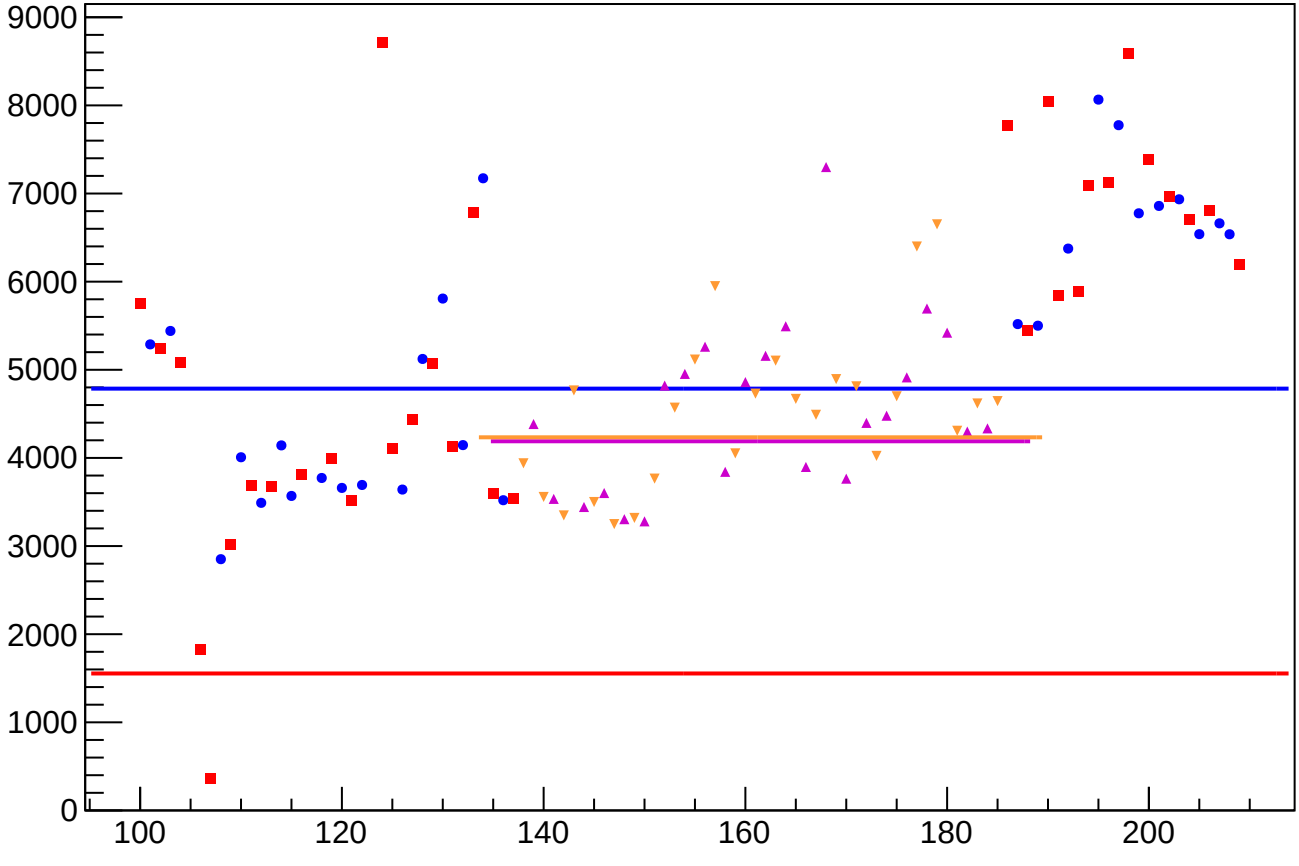
Right: 734.790+/-563.590 χ^2/NDF: 64.5/58

In: 111.027+/-784.204 χ^2/NDF:42.1/49

Out: 575.100+/-530.543 χ^2/NDF:63.8/56

All: 429.387+/-439.427 χ^2/NDF: 106.1/106

asym_atl1r2_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 4786.216+/-0.894 χ^2/NDF: 2793256.0/26

Left Out: 4233.911+/-0.696 χ^2/NDF:1284785.6/24

Right Out: 1554.215+/-0.445 χ^2/NDF: 22171066.4/31

Left In: 4188.880+/-0.707 χ^2/NDF:1344607.0/22

Left: 4211.738+/-0.496 χ^2/NDF: 2631450.8/47

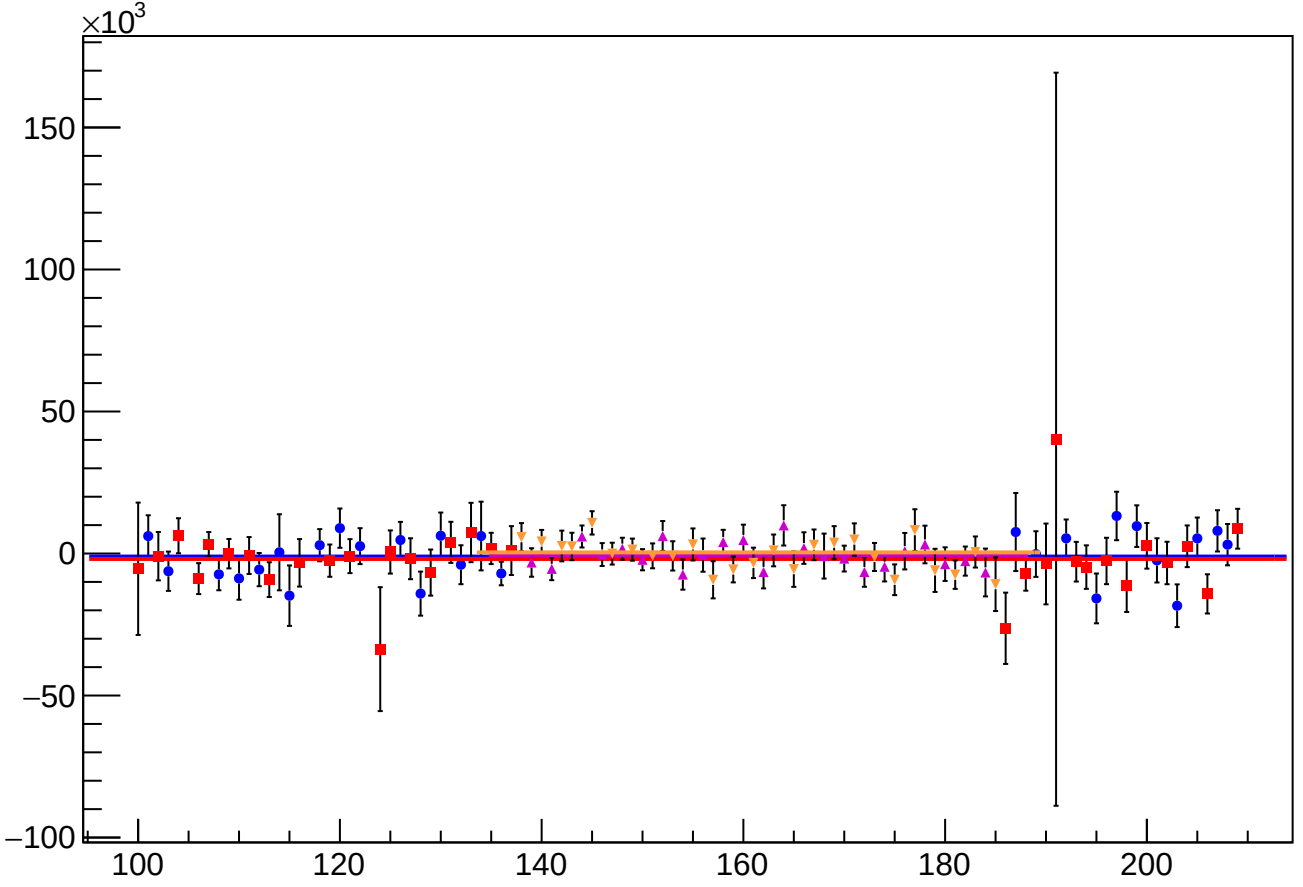
Right: 2197.165+/-0.399 χ^2/NDF: 35445759.3/58

In: 4418.948+/-0.555 χ^2/NDF:4412659.6/49

Out: 2331.656+/-0.375 χ^2/NDF:33963963.1/56

All: 2987.042+/-0.311 χ^2/NDF: 48096690.2/1

asym_atl1r2_dd_mean vs Slug, Sign Corrected



Right In: -1072.829+/-1371.258 χ^2/NDF: 33.2/26

Left Out: 398.336+/-1028.431 χ^2/NDF:24.7/24

Right Out: -1910.462+/-1274.898 χ^2/NDF: 23.1/31

Left In: -502.999+/-1049.682 χ^2/NDF:17.3/22

Left: -43.115+/-734.609 χ^2/NDF: 42.4/47

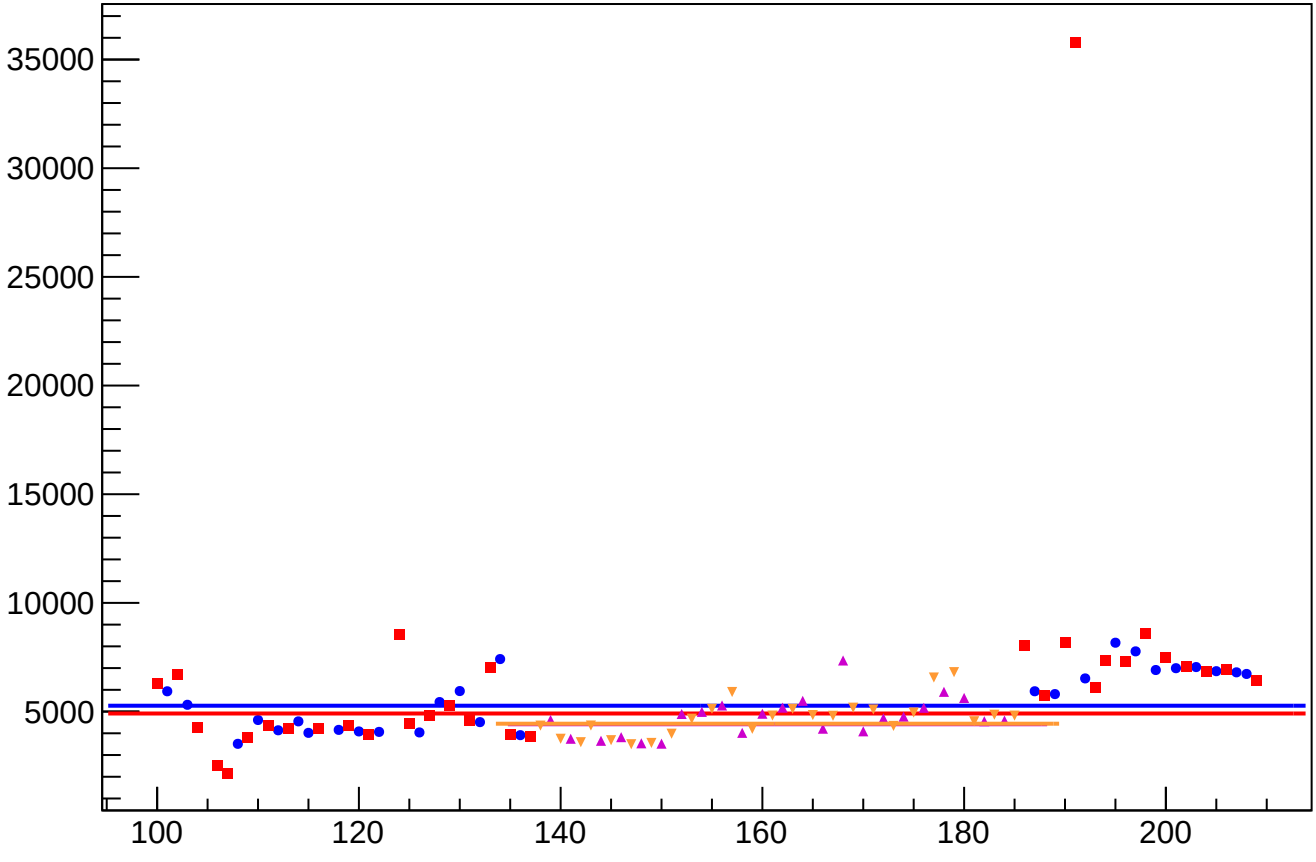
Right: -1522.108+/-933.698 χ^2/NDF: 56.5/58

In: -713.535+/-833.508 χ^2/NDF:50.7/49

Out: -511.808+/-800.456 χ^2/NDF:49.8/56

All: -608.593+/-577.339 χ^2/NDF: 100.5/106

asym_atl1r2_dd_rms vs Slug, Sign Corrected



Right In: 5268.573+/-0.970 χ^2/NDF: 1984261.1/26

Left Out: 4440.810+/-0.727 χ^2/NDF:1073119.1/24

Right Out: 4910.457+/-0.895 χ^2/NDF: 3776229.3/31

Left In: 4415.366+/-0.742 χ^2/NDF:1111411.1/22

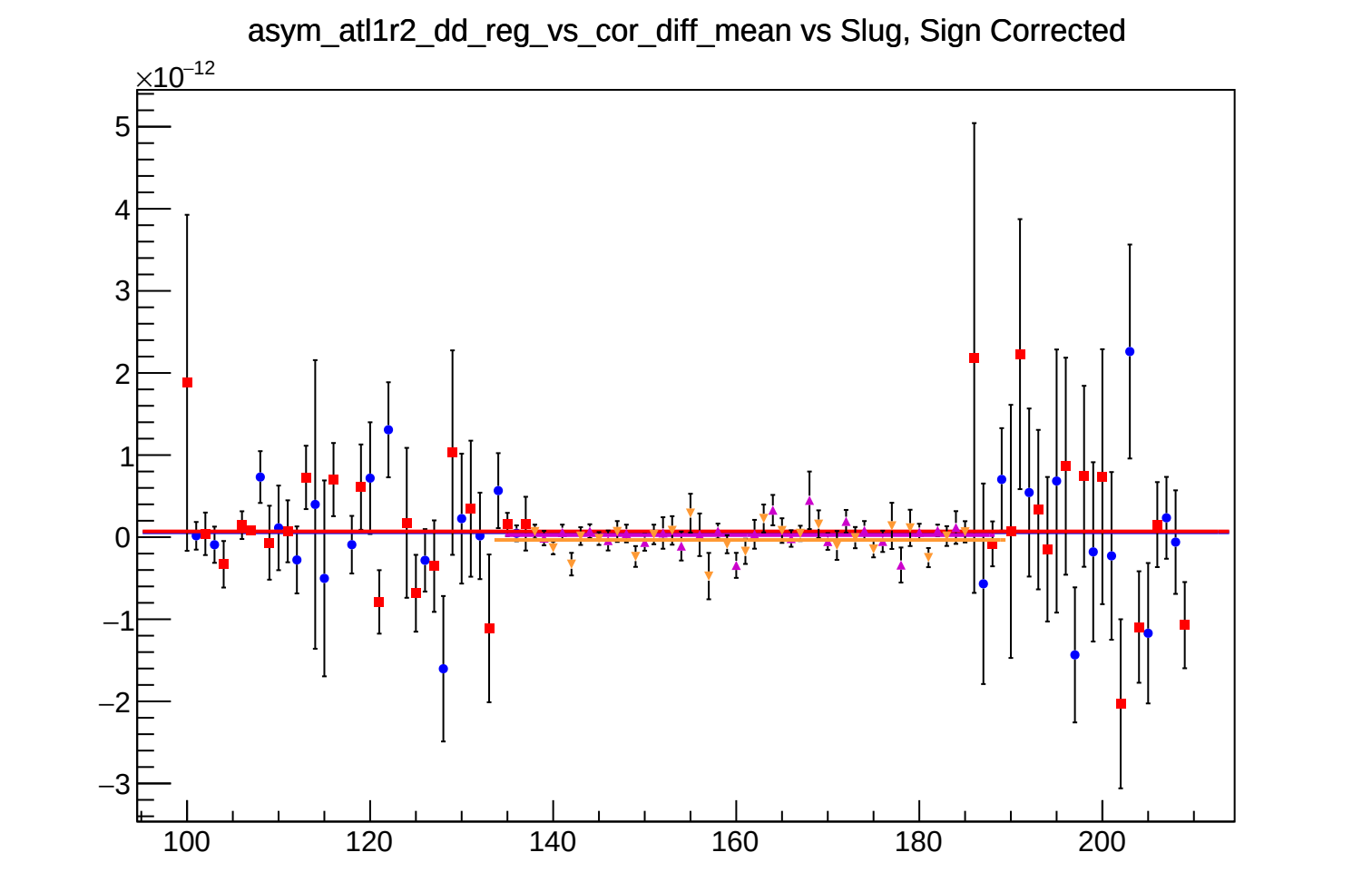
Left: 4428.348+/-0.519 χ^2/NDF: 2185129.8/47

Right: 5075.282+/-0.658 χ^2/NDF: 5834115.7/58

In: 4730.602+/-0.589 χ^2/NDF:3583879.9/49

Out: 4627.474+/-0.564 χ^2/NDF:5015120.9/56

All: 4676.814+/-0.408 χ^2/NDF: 8614969.6/10



Right In: 0.000+/-0.000 χ^2/NDF: 27.6/26

Left Out: -0.000+/-0.000 χ^2/NDF:28.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 35.6/31

Left In: 0.000+/-0.000 χ^2/NDF:19.3/22

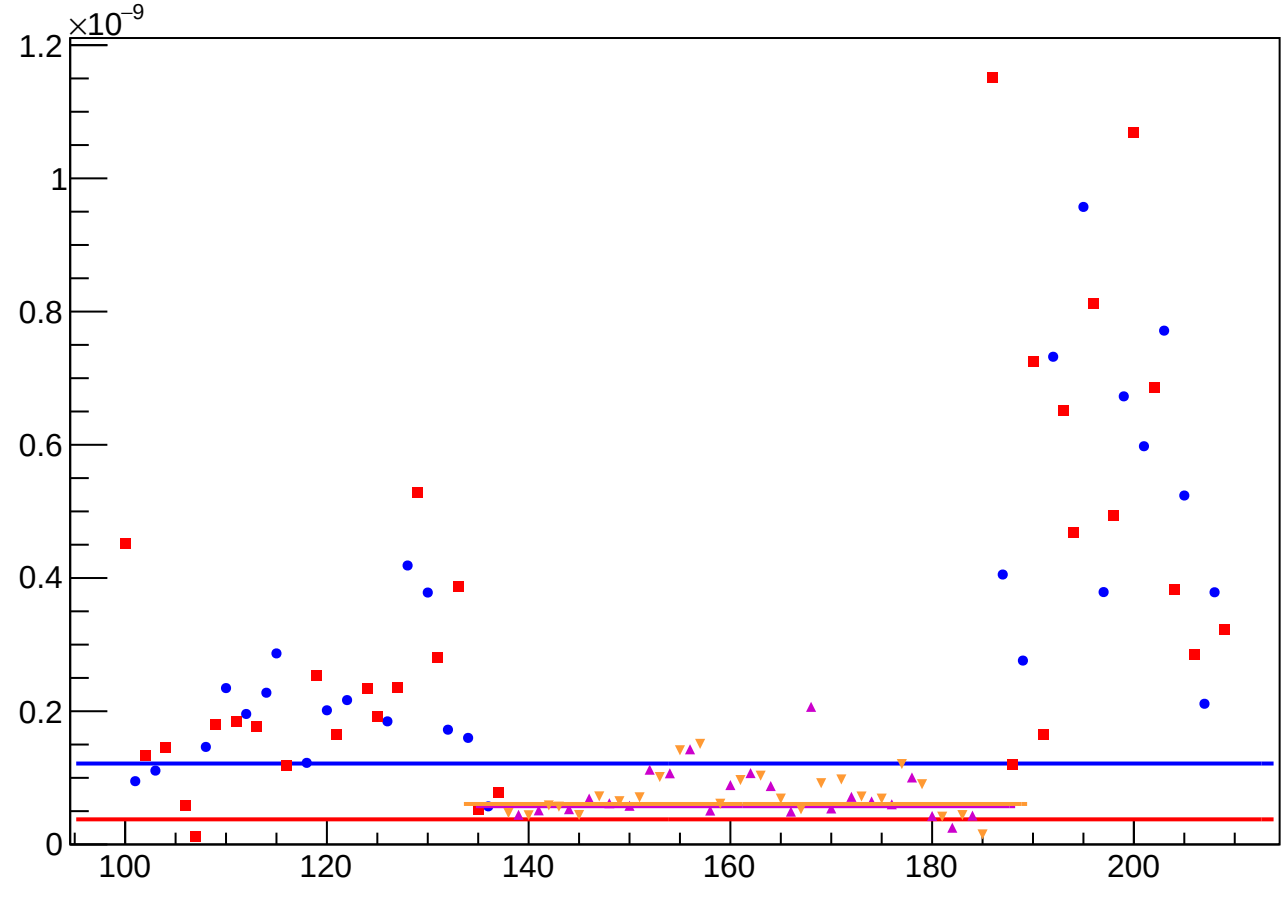
Left: -0.000+/-0.000 χ^2/NDF: 50.6/47

Right: 0.000+/-0.000 χ^2/NDF: 63.3/58

In: 0.000+/-0.000 χ^2/NDF:47.2/49

Out: 0.000+/-0.000 χ^2/NDF:70.5/56

All: 0.000+/-0.000 χ^2/NDF: 118.4/106



Right In: 0.000+/-0.000 χ^2/NDF: 5734831.4/26

Left Out: 0.000+/-0.000 χ^2/NDF:1723737.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 10921919.1/31

Left In: 0.000+/-0.000 χ^2/NDF:1878360.3/22

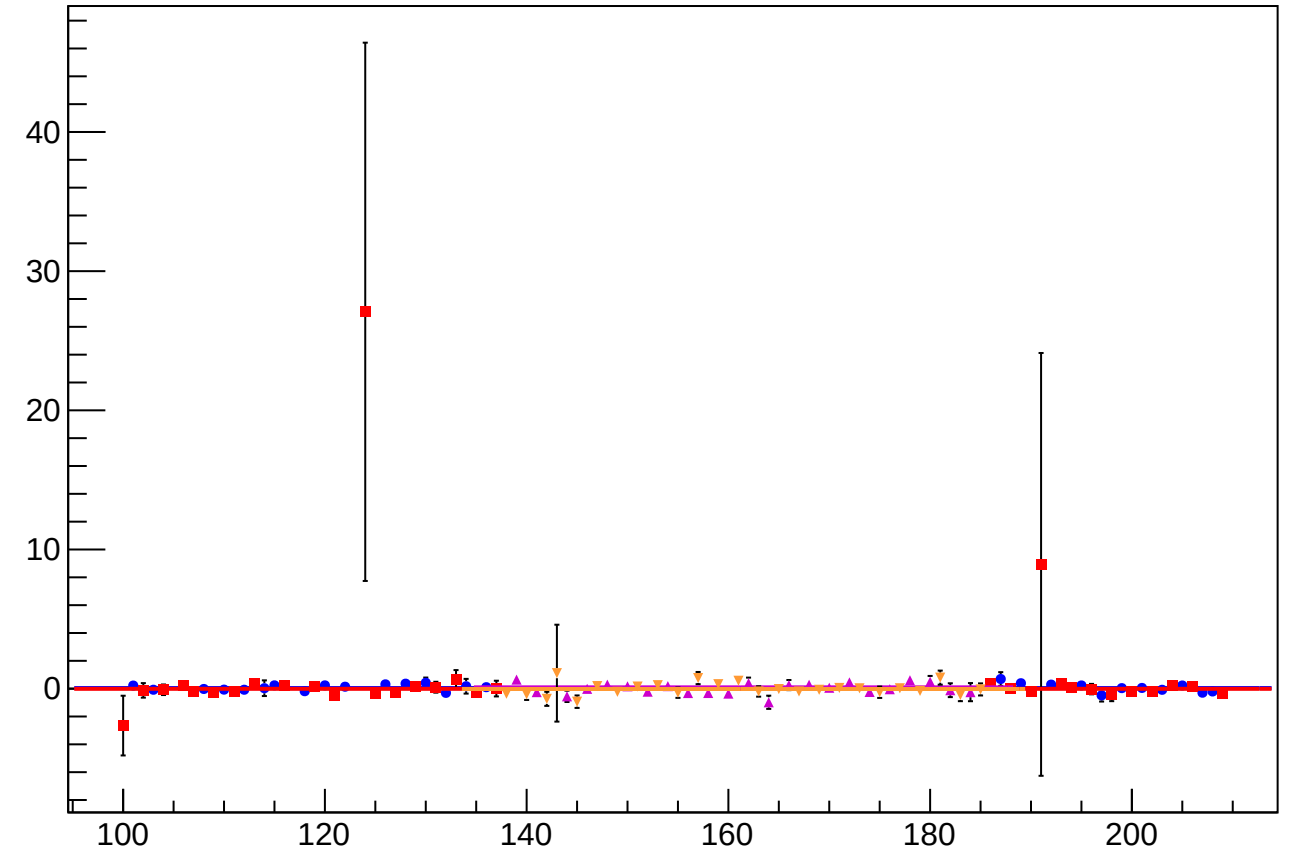
Left: 0.000+/-0.000 χ^2/NDF: 3620409.0/47

Right: 0.000+/-0.000 χ^2/NDF: 19265957.7/58

In: 0.000+/-0.000 χ^2/NDF:9283654.3/49

Out: 0.000+/-0.000 χ^2/NDF:13279341.2/56

All: 0.000+/-0.000 χ^2/NDF: 22924532.2/106



Right In: 0.043+/-0.051 χ^2/NDF: 19.9/26

Left Out: -0.024+/-0.062 χ^2/NDF:23.5/24

Right Out: -0.010+/-0.046 χ^2/NDF: 32.1/31

Left In: 0.095+/-0.063 χ^2/NDF:31.5/22

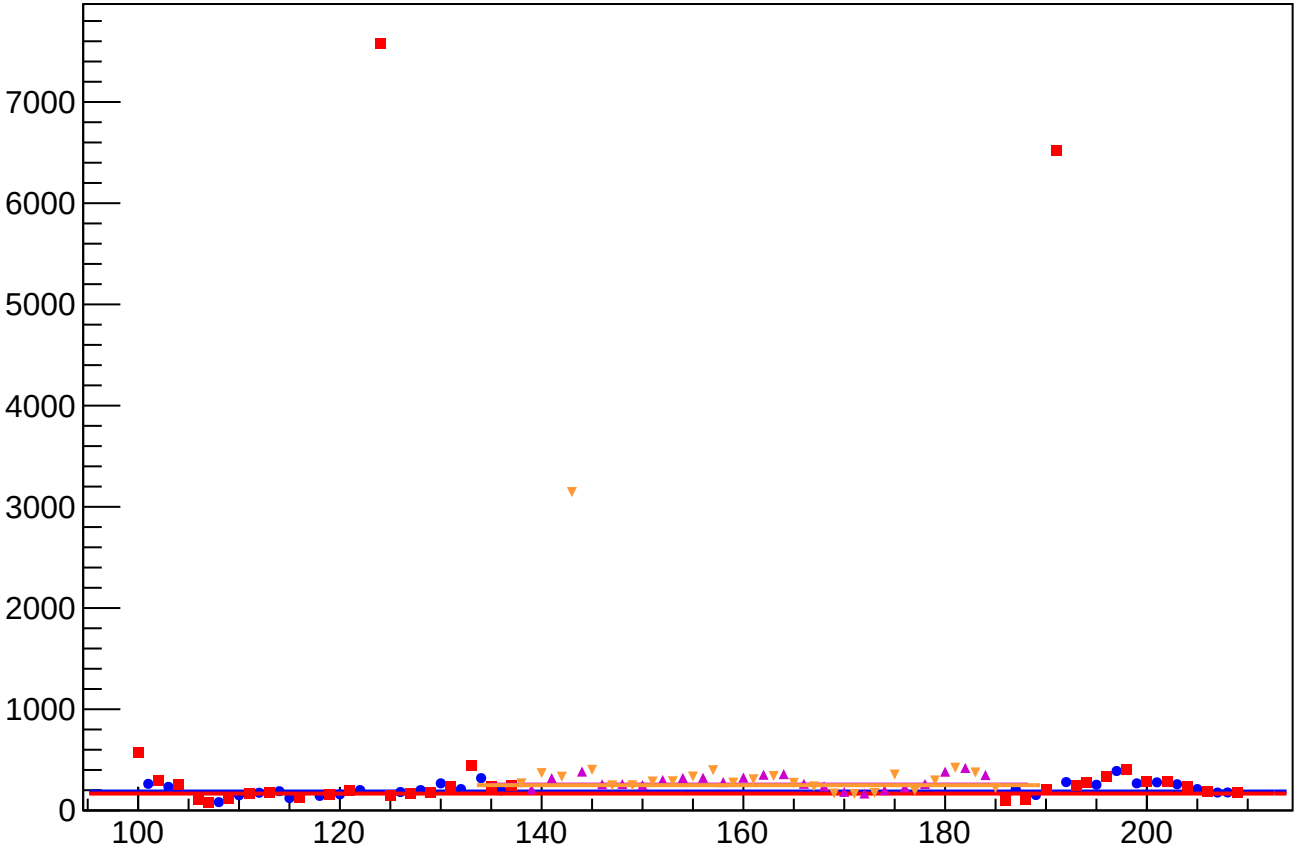
Left: 0.034+/-0.044 χ^2/NDF: 56.9/47

Right: 0.014+/-0.034 χ^2/NDF: 52.6/58

In: 0.064+/-0.040 χ^2/NDF:51.8/49

Out: -0.015+/-0.037 χ^2/NDF:55.7/56

All: 0.021+/-0.027 χ^2/NDF: 109.7/106



Right In: 187.054+/-0.036 χ^2/NDF: 2967674.7/26

Left Out: 249.848+/-0.044 χ^2/NDF:4234507.4/24

Right Out: 166.859+/-0.032 χ^2/NDF: 5310584.7/31

Left In: 255.299+/-0.045 χ^2/NDF:2111552.0/22

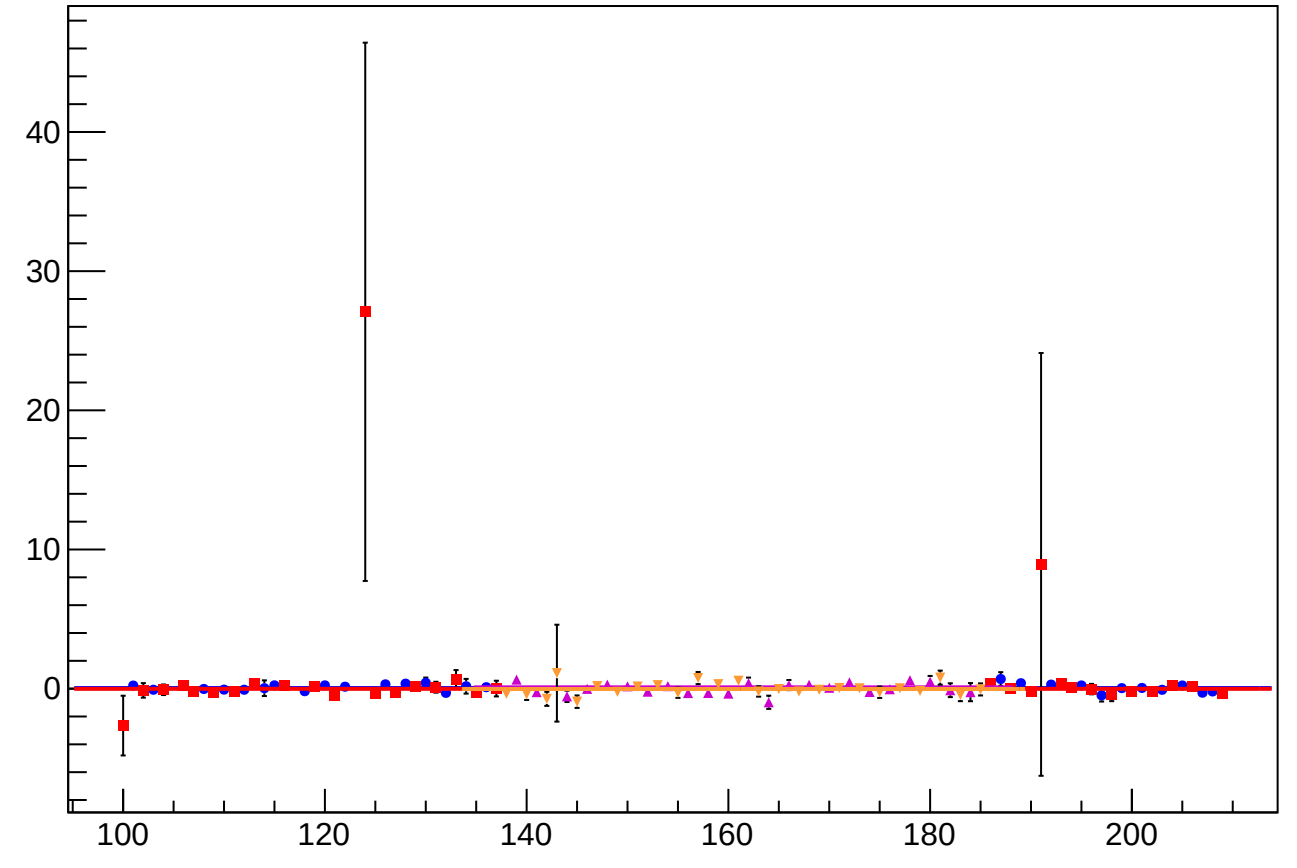
Left: 252.513+/-0.031 χ^2/NDF: 6353711.9/47

Right: 175.907+/-0.024 χ^2/NDF: 8453181.6/58

In: 213.899+/-0.028 χ^2/NDF:6502891.6/49

Out: 196.314+/-0.026 χ^2/NDF:11885312.1/56

All: 204.461+/-0.019 χ^2/NDF: 18600824.2/10



Right In: 0.043+/-0.051 χ^2/NDF: 19.9/26

Left Out: -0.024+/-0.062 χ^2/NDF:23.5/24

Right Out: -0.010+/-0.046 χ^2/NDF: 32.1/31

Left In: 0.095+/-0.063 χ^2/NDF:31.5/22

Left: 0.034+/-0.044 χ^2/NDF: 56.9/47

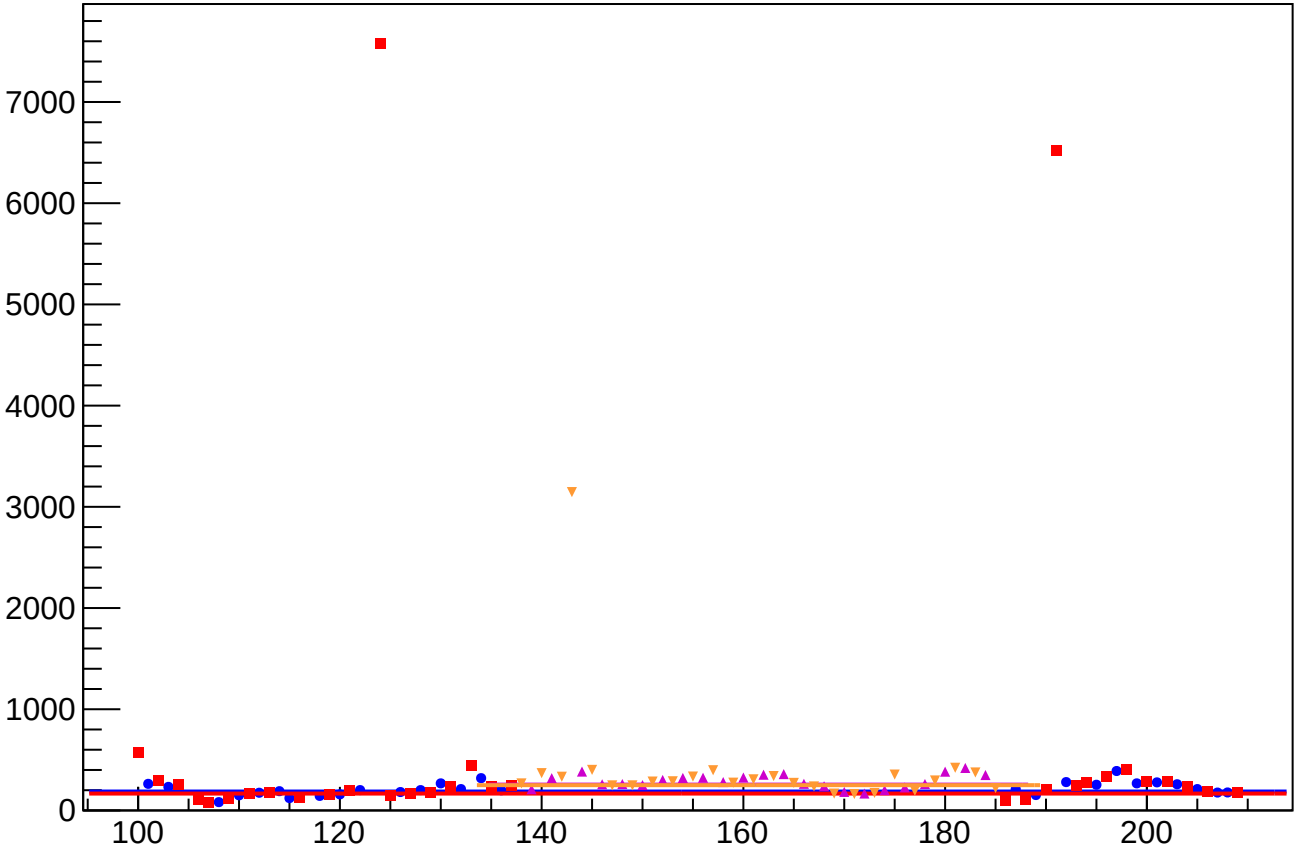
Right: 0.014+/-0.034 χ^2/NDF: 52.6/58

In: 0.064+/-0.040 χ^2/NDF:51.8/49

Out: -0.015+/-0.037 χ^2/NDF:55.7/56

All: 0.021+/-0.027 χ^2/NDF: 109.7/106

asym_atl1r2_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 187.054+/-0.036 χ^2/NDF: 2967674.7/26

Left Out: 249.848+/-0.044 χ^2/NDF:4234507.4/24

Right Out: 166.859+/-0.032 χ^2/NDF: 5310584.7/31

Left In: 255.299+/-0.045 χ^2/NDF:2111552.0/22

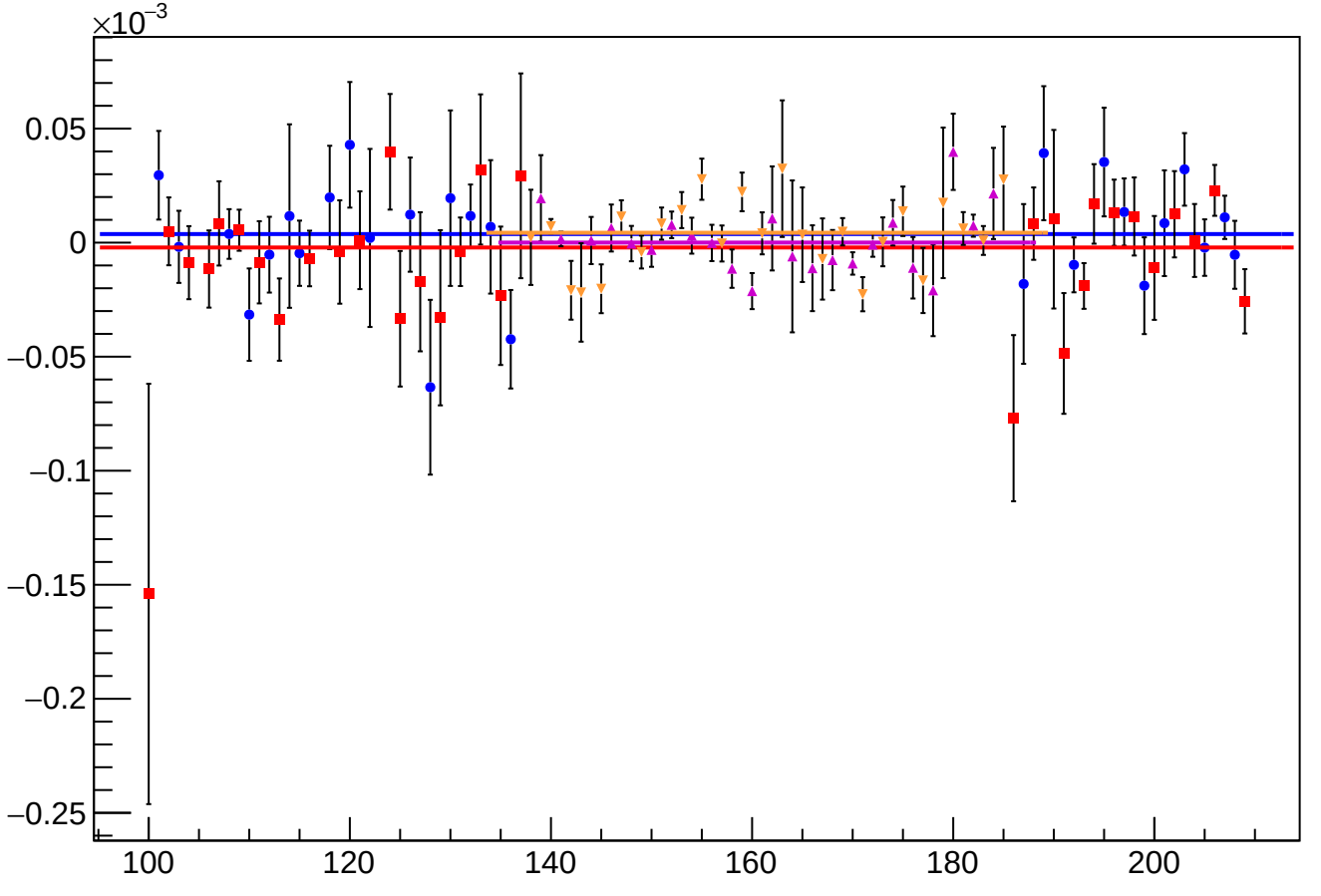
Left: 252.513+/-0.031 χ^2/NDF: 6353711.9/47

Right: 175.907+/-0.024 χ^2/NDF: 8453181.6/58

In: 213.899+/-0.028 χ^2/NDF:6502891.6/49

Out: 196.314+/-0.026 χ^2/NDF:11885312.1/56

All: 204.461+/-0.019 χ^2/NDF: 18600824.2/10



Right In: 0.000+/-0.000 χ^2/NDF: 27.2/26

Left Out: 0.000+/-0.000 χ^2/NDF:46.0/24

Right Out: -0.000+/-0.000 χ^2/NDF: 36.9/31

Left In: 0.000+/-0.000 χ^2/NDF:29.0/22

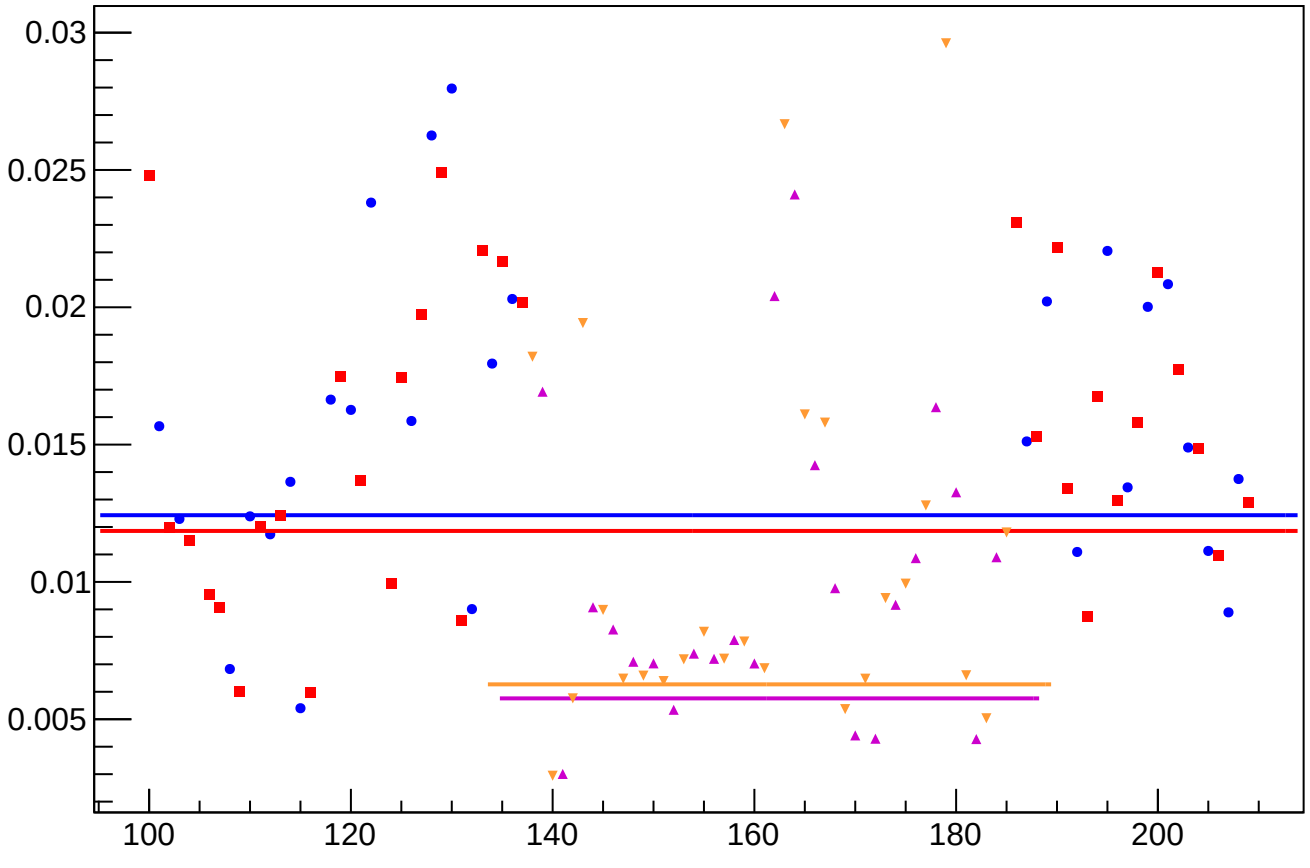
Left: 0.000+/-0.000 χ^2/NDF: 78.6/47

Right: 0.000+/-0.000 χ^2/NDF: 65.8/58

In: 0.000+/-0.000 χ^2/NDF:57.3/49

Out: 0.000+/-0.000 χ^2/NDF:86.4/56

All: 0.000+/-0.000 χ^2/NDF: 144.8/106



Right In: 0.012+/-0.000 χ^2/NDF: 3830237.7/26

Left Out: 0.006+/-0.000 χ^2/NDF:7909965.6/24

Right Out: 0.012+/-0.000 χ^2/NDF: 4109552.8/31

Left In: 0.006+/-0.000 χ^2/NDF:7081814.9/22

Left: 0.006+/-0.000 χ^2/NDF: 15091688.1/47

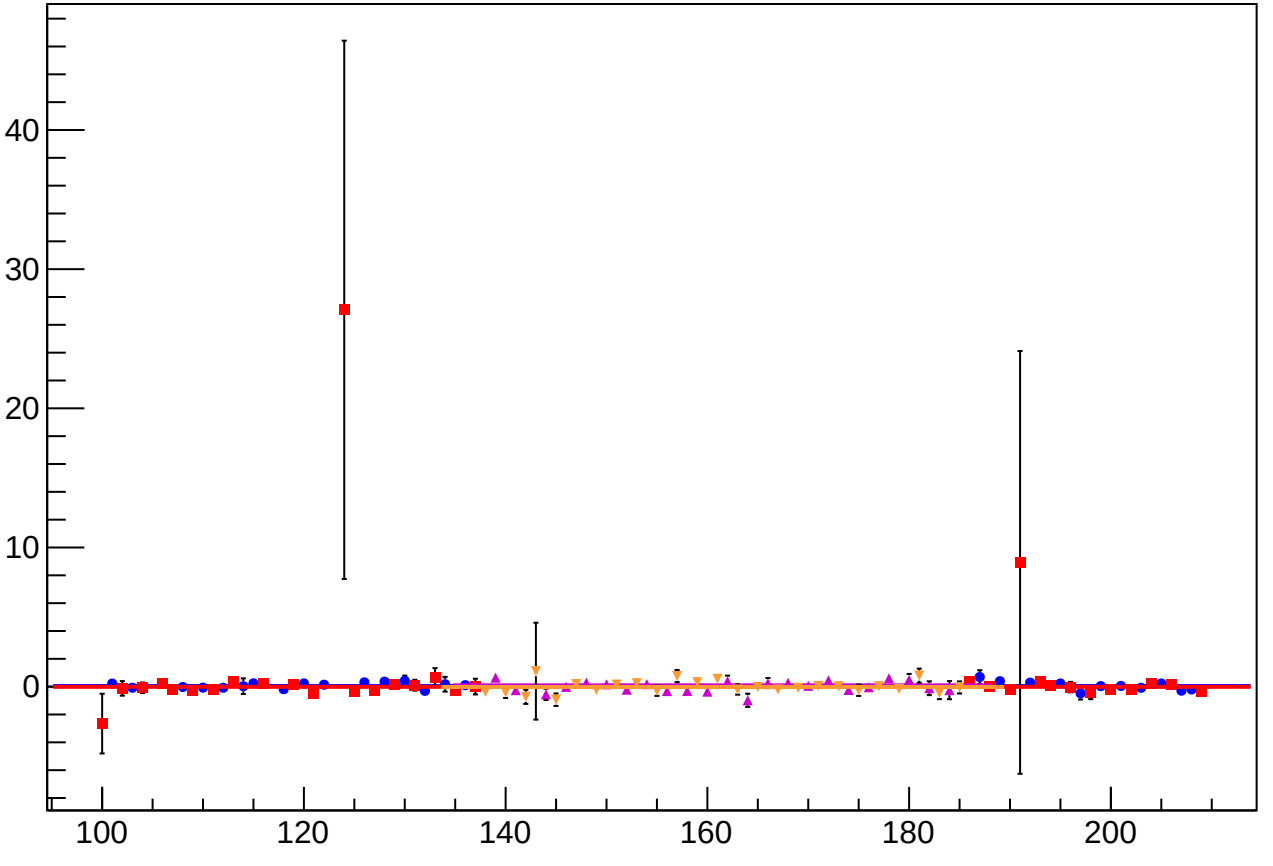
Right: 0.012+/-0.000 χ^2/NDF: 7971240.0/58

In: 0.007+/-0.000 χ^2/NDF:17301313.8/49

Out: 0.008+/-0.000 χ^2/NDF:17136842.6/56

All: 0.007+/-0.000 χ^2/NDF: 34589976.6/106

asym_atl1r2_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.043+/-0.051 χ^2/NDF: 19.9/26

Left Out: -0.024+/-0.062 χ^2/NDF:23.5/24

Right Out: -0.010+/-0.046 χ^2/NDF: 32.1/31

Left In: 0.095+/-0.063 χ^2/NDF:31.5/22

Left: 0.034+/-0.044 χ^2/NDF: 56.9/47

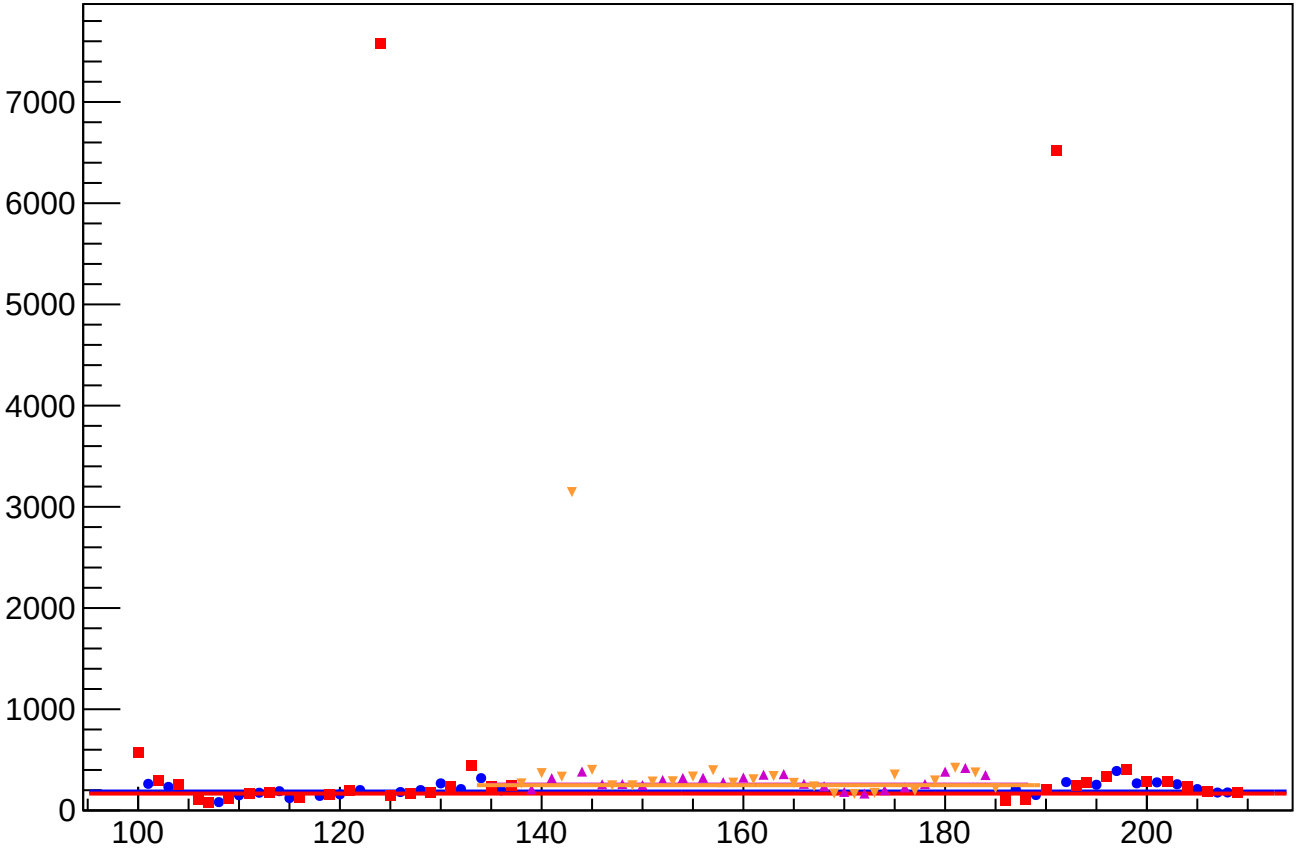
Right: 0.014+/-0.034 χ^2/NDF: 52.6/58

In: 0.064+/-0.040 χ^2/NDF:51.8/49

Out: -0.015+/-0.037 χ^2/NDF:55.7/56

All: 0.021+/-0.027 χ^2/NDF: 109.7/106

asym_atl1r2_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 187.052+/-0.036 χ^2/NDF: 2967744.8/26

Left Out: 249.850+/-0.044 χ^2/NDF:4234600.7/24

Right Out: 166.861+/-0.032 χ^2/NDF: 5310464.1/31

Left In: 255.302+/-0.045 χ^2/NDF:2111585.0/22

Left: 252.515+/-0.031 χ^2/NDF: 6353840.1/47

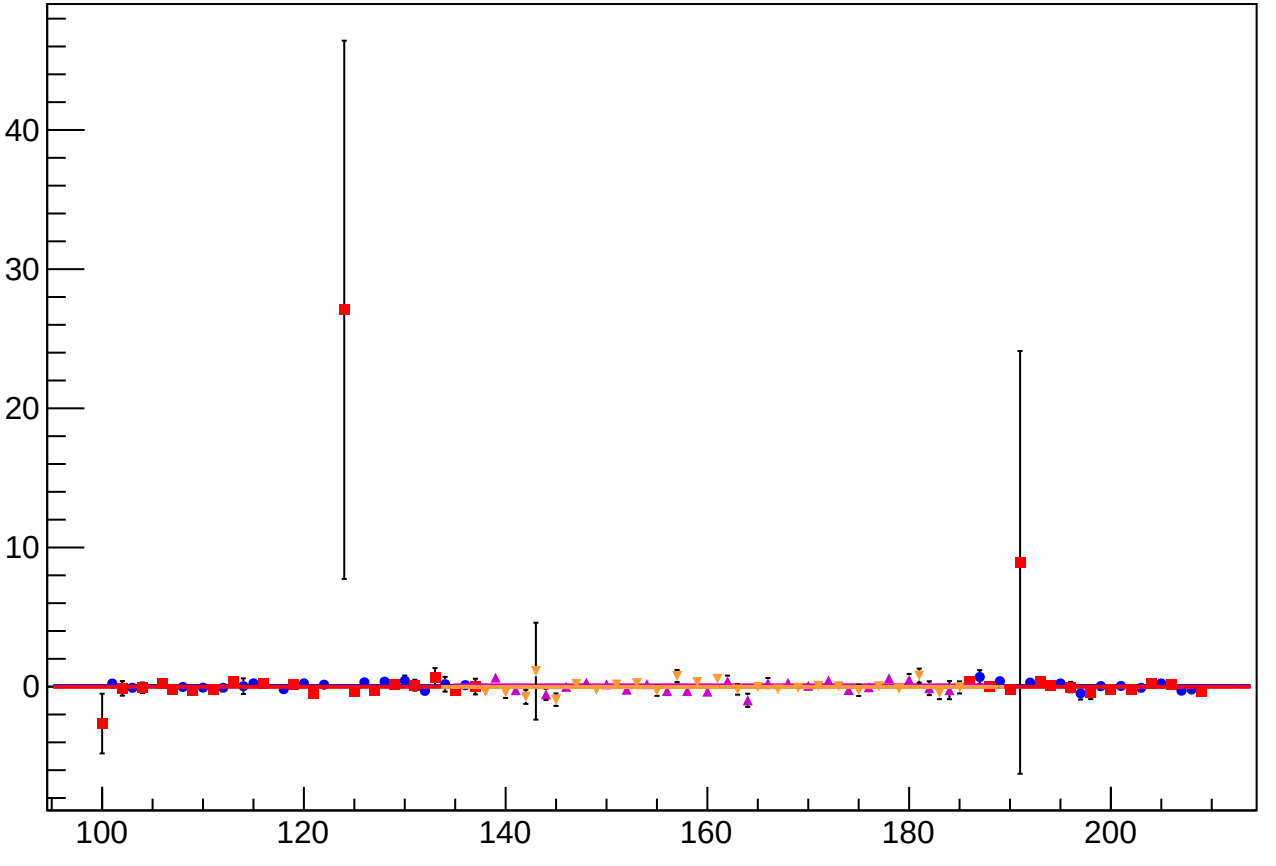
Right: 175.908+/-0.024 χ^2/NDF: 8453067.7/58

In: 213.899+/-0.028 χ^2/NDF:6503136.4/49

Out: 196.316+/-0.026 χ^2/NDF:11885204.2/56

All: 204.462+/-0.019 χ^2/NDF: 18600897.1/10

asym_atl1r2_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.043+/-0.051 χ^2/NDF: 19.9/26

Left Out: -0.024+/-0.062 χ^2/NDF:23.5/24

Right Out: -0.010+/-0.046 χ^2/NDF: 32.1/31

Left In: 0.095+/-0.063 χ^2/NDF:31.5/22

Left: 0.034+/-0.044 χ^2/NDF: 56.9/47

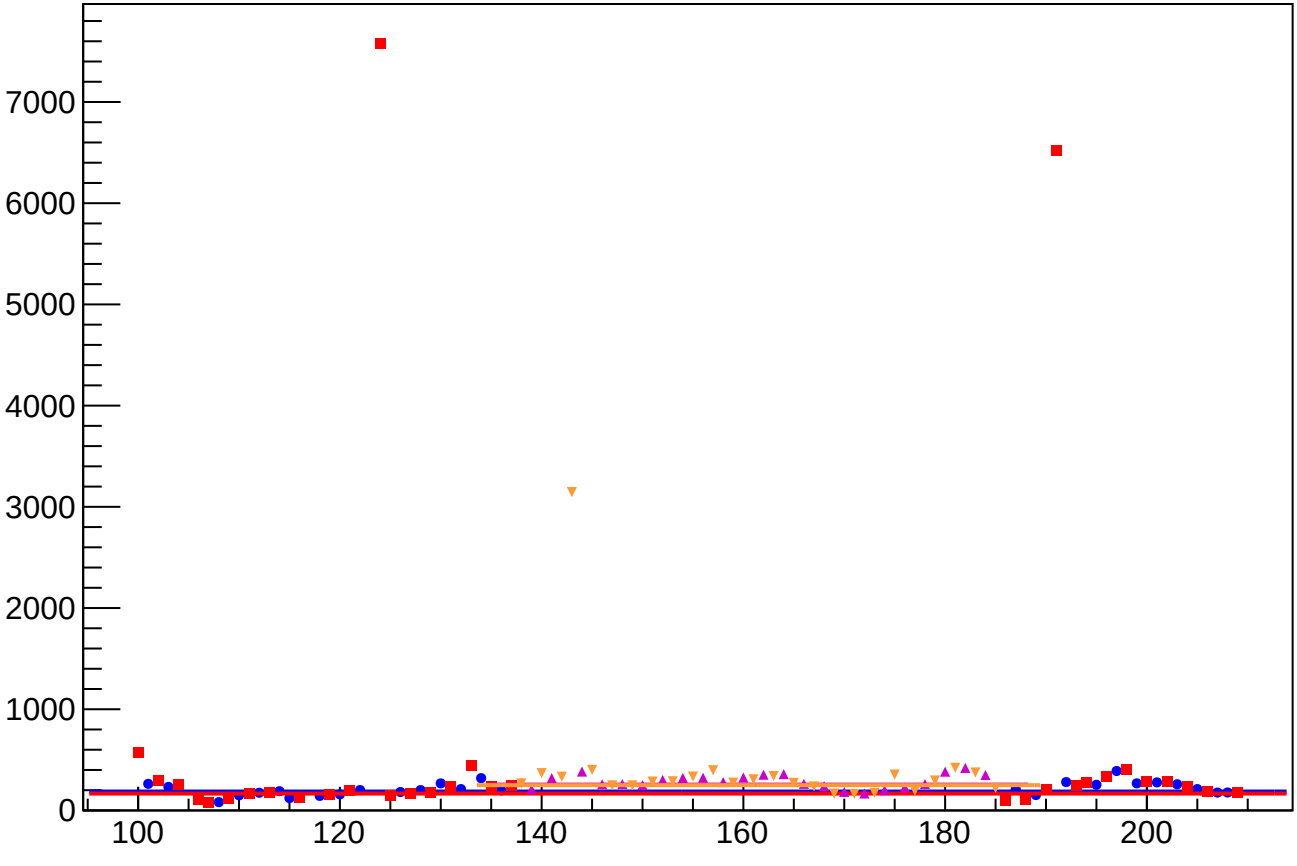
Right: 0.014+/-0.034 χ^2/NDF: 52.6/58

In: 0.064+/-0.040 χ^2/NDF:51.8/49

Out: -0.015+/-0.037 χ^2/NDF:55.7/56

All: 0.021+/-0.027 χ^2/NDF: 109.7/106

asym_atl1r2_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 187.052+/-0.036 χ^2/NDF: 2967744.8/26

Left Out: 249.850+/-0.044 χ^2/NDF:4234600.7/24

Right Out: 166.861+/-0.032 χ^2/NDF: 5310464.1/31

Left In: 255.302+/-0.045 χ^2/NDF:2111585.0/22

Left: 252.515+/-0.031 χ^2/NDF: 6353840.1/47

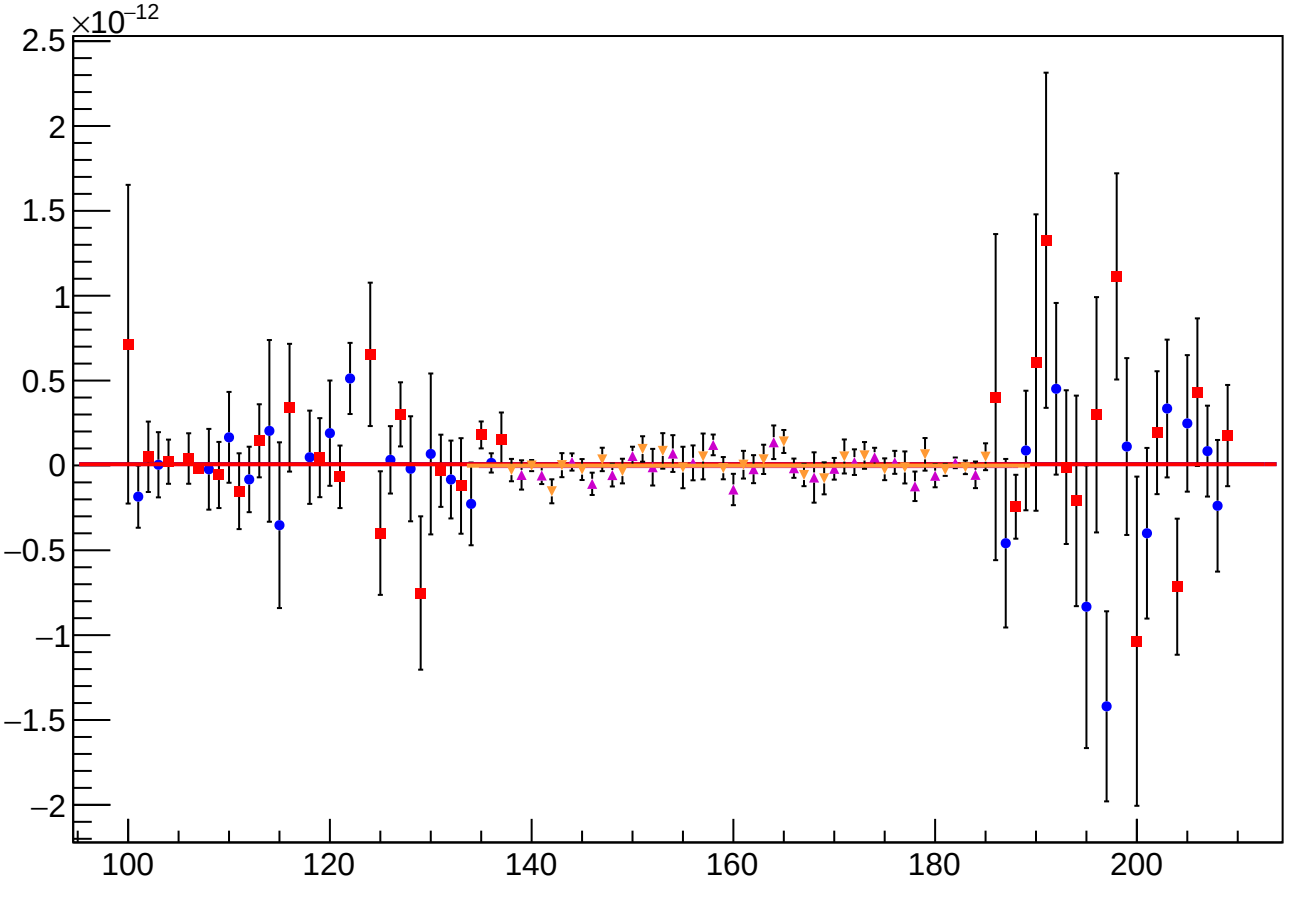
Right: 175.908+/-0.024 χ^2/NDF: 8453067.7/58

In: 213.899+/-0.028 χ^2/NDF:6503136.4/49

Out: 196.316+/-0.026 χ^2/NDF:11885204.2/56

All: 204.462+/-0.019 χ^2/NDF: 18600897.1/10

asym_atl1r2_dd_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 21.1/26

Left Out: -0.000+/-0.000 χ^2/NDF:16.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 32.1/31

Left In: -0.000+/-0.000 χ^2/NDF:19.9/22

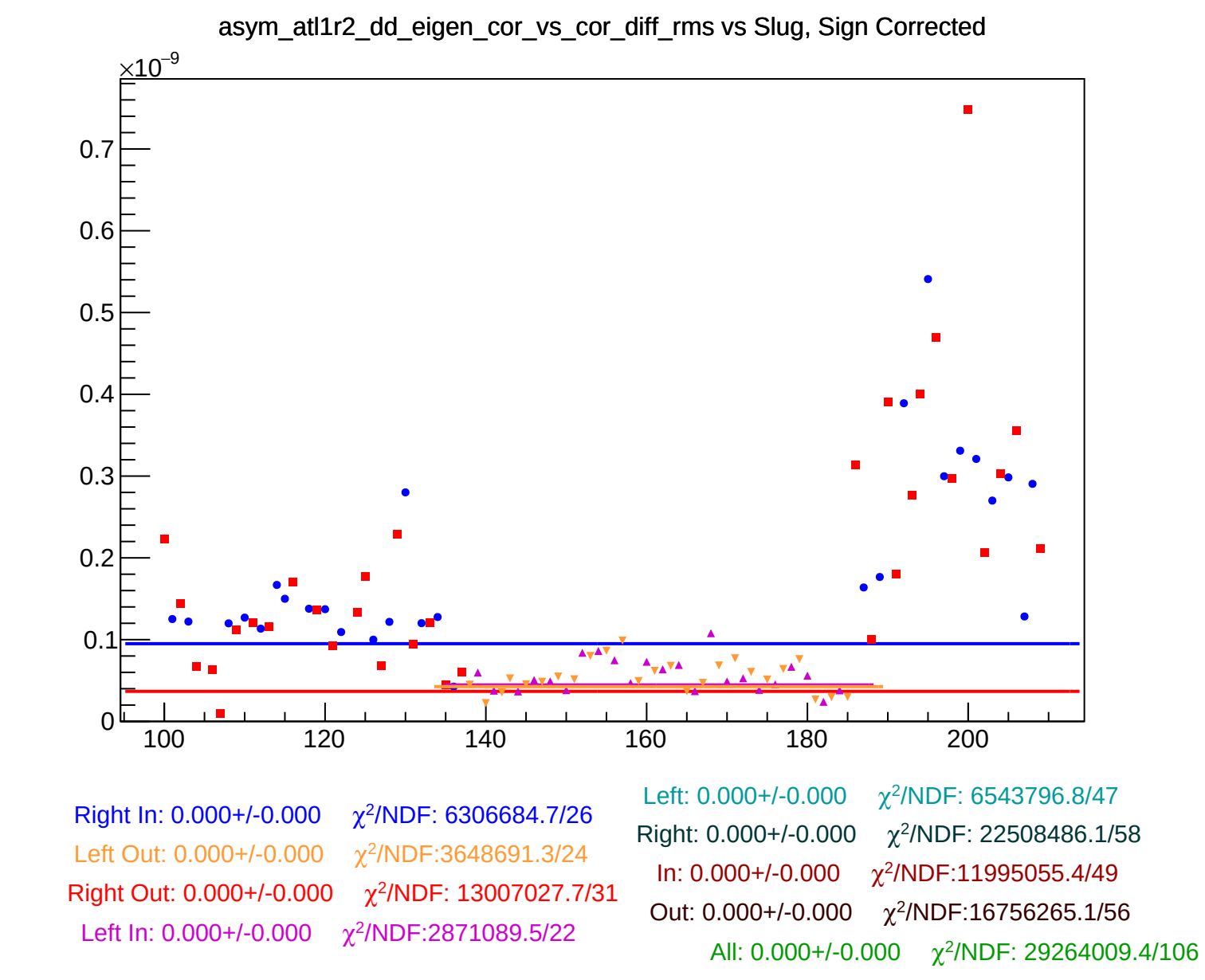
Left: -0.000+/-0.000 χ^2/NDF: 36.2/47

Right: 0.000+/-0.000 χ^2/NDF: 53.2/58

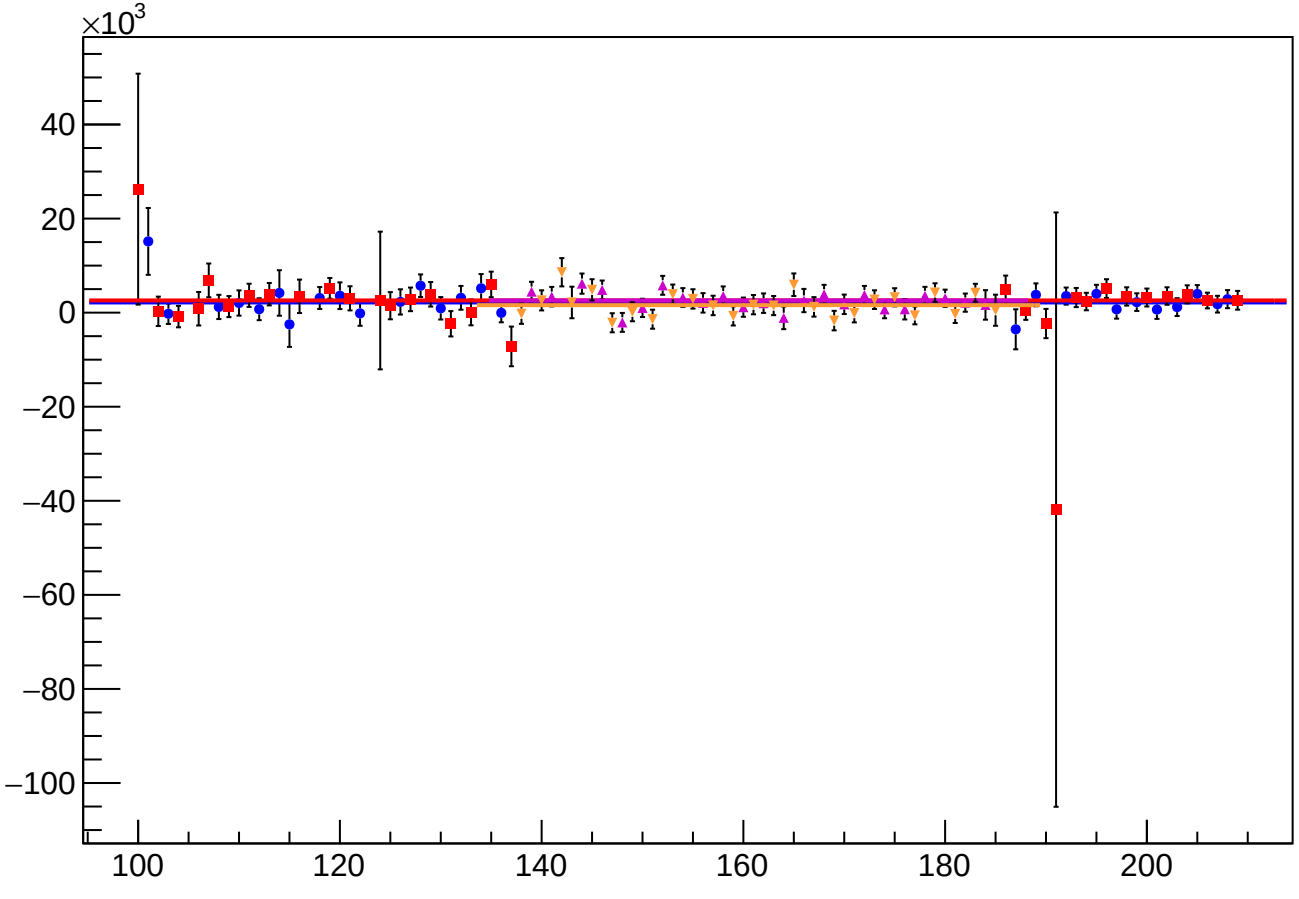
In: -0.000+/-0.000 χ^2/NDF:41.0/49

Out: 0.000+/-0.000 χ^2/NDF:48.6/56

All: -0.000+/-0.000 χ^2/NDF: 89.6/106


asym_atl1r2_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
100
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 6306684.7/26
Left Out: 0.000+/-0.000 χ²/NDF:3648691.3/24
Right Out: 0.000+/-0.000 χ²/NDF: 13007027.7/31
Left In: 0.000+/-0.000 χ²/NDF:2871089.5/22
Left: 0.000+/-0.000 χ²/NDF: 6543796.8/47
Right: 0.000+/-0.000 χ²/NDF: 22508486.1/58
In: 0.000+/-0.000 χ²/NDF:11995055.4/49
Out: 0.000+/-0.000 χ²/NDF:16756265.1/56
All: 0.000+/-0.000 χ²/NDF: 29264009.4/106

reg_asym_atr1l2_avg_mean vs Slug, Sign Corrected



Right In: 2167.282+/-447.921 χ^2/NDF: 18.4/26

Left Out: 1592.464+/-423.298 χ^2/NDF:31.3/24

Right Out: 2598.390+/-434.749 χ^2/NDF: 26.8/31

Left In: 2597.740+/-430.293 χ^2/NDF:20.1/22

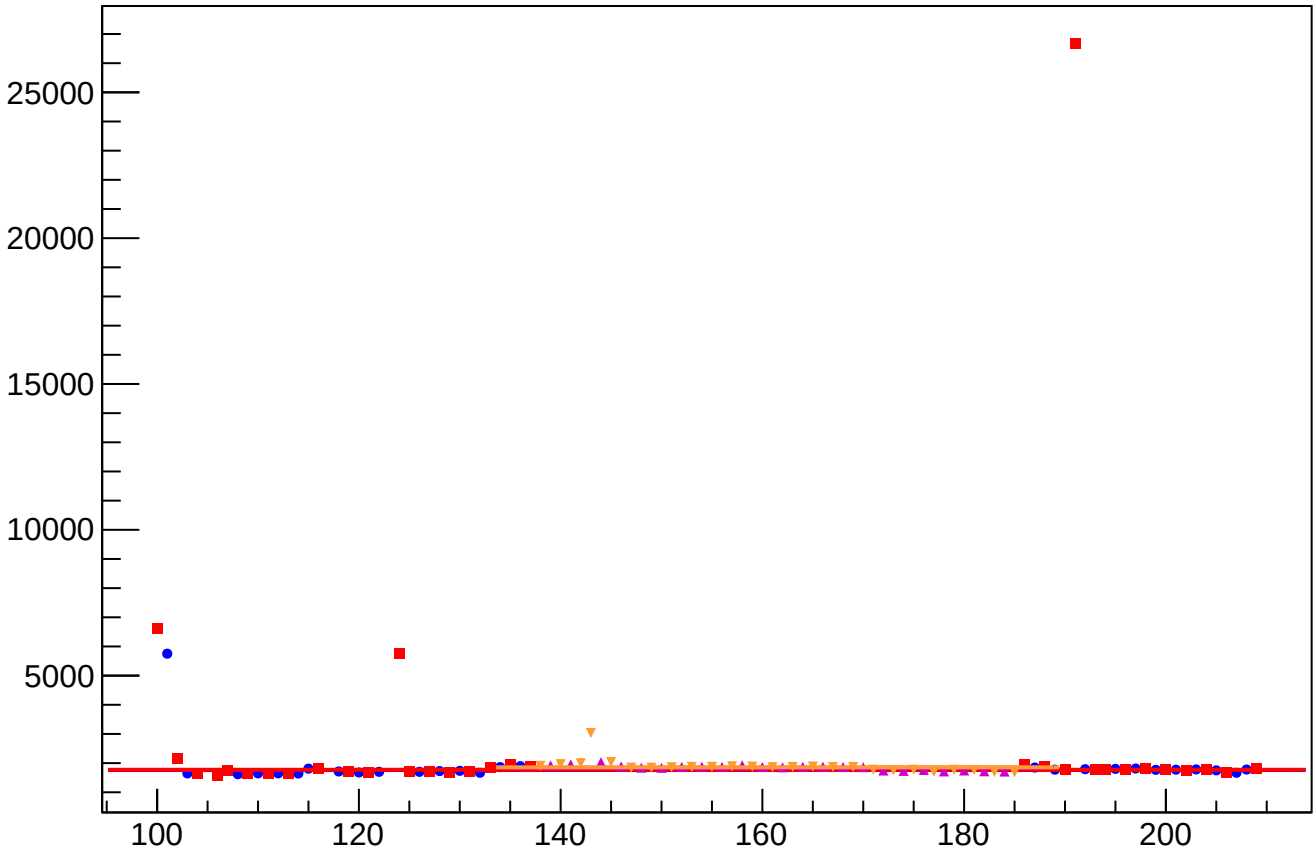
Left: 2086.864+/-301.760 χ^2/NDF: 54.1/47

Right: 2389.268+/-311.967 χ^2/NDF: 45.7/58

In: 2391.148+/-310.308 χ^2/NDF:39.0/49

Out: 2082.005+/-303.284 χ^2/NDF:60.8/56

All: 2233.038+/-216.895 χ^2/NDF: 100.3/106



Right In: 1762.275+/-0.317 χ^2/NDF: 680903.7/26

Left Out: 1855.560+/-0.299 χ^2/NDF:324267.7/24

Right Out: 1771.131+/-0.306 χ^2/NDF: 647675.4/31

Left In: 1840.981+/-0.304 χ^2/NDF:70985.8/22

Left: 1848.390+/-0.213 χ^2/NDF: 396420.2/47

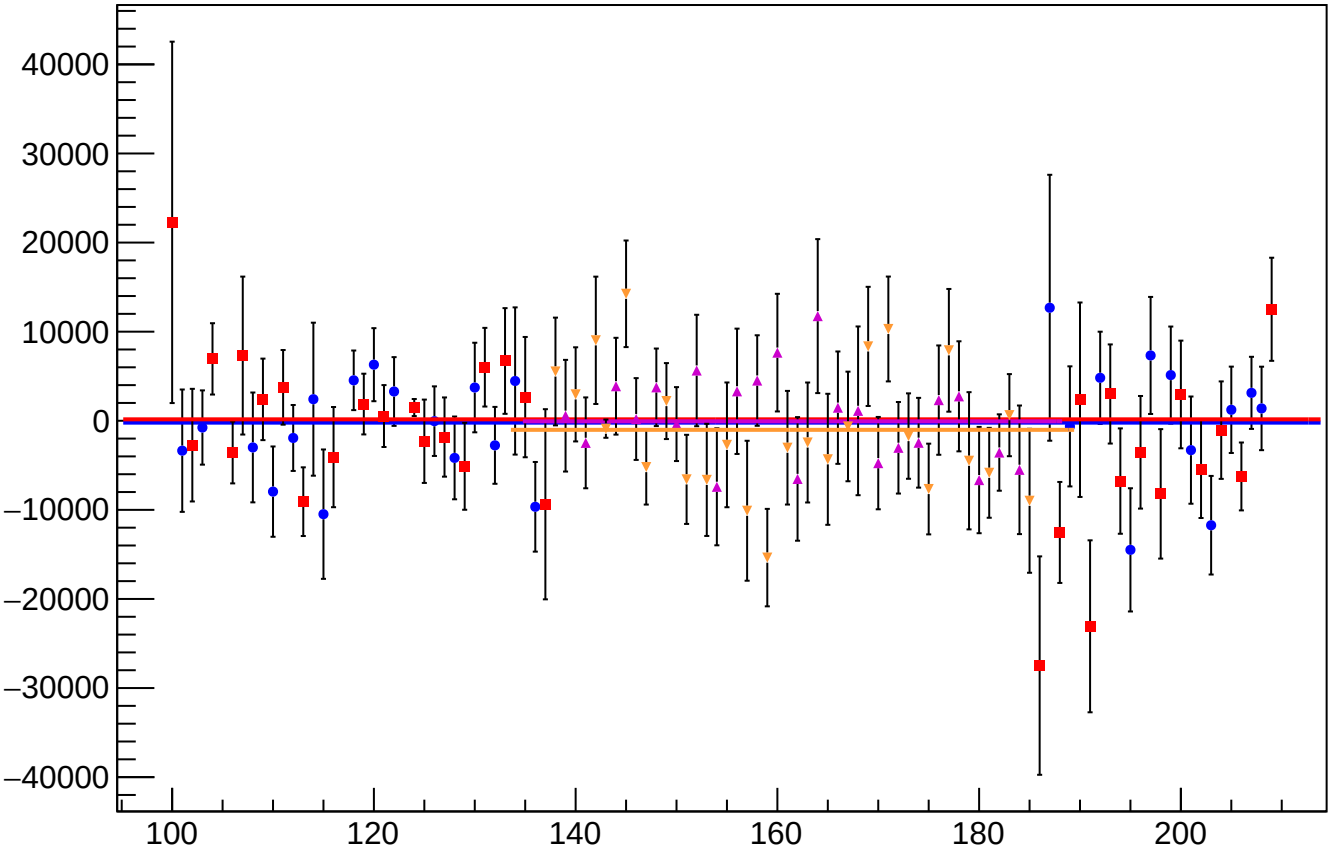
Right: 1766.850+/-0.220 χ^2/NDF: 1328983.0/58

In: 1803.207+/-0.219 χ^2/NDF:784004.0/49

Out: 1814.335+/-0.214 χ^2/NDF:1010792.6/56

All: 1808.907+/-0.153 χ^2/NDF: 1796114.0/10

asym_atr1l2_avg_reg_correction_mean vs Slug, Sign Corrected



Right In: -210.453+/-963.984 χ^2/NDF: 29.7/26

Left Out: -1018.861+/-771.816 χ^2/NDF:33.7/24

Right Out: 160.761+/-666.210 χ^2/NDF: 49.0/31

Left In: -62.369+/-1173.429 χ^2/NDF:13.0/22

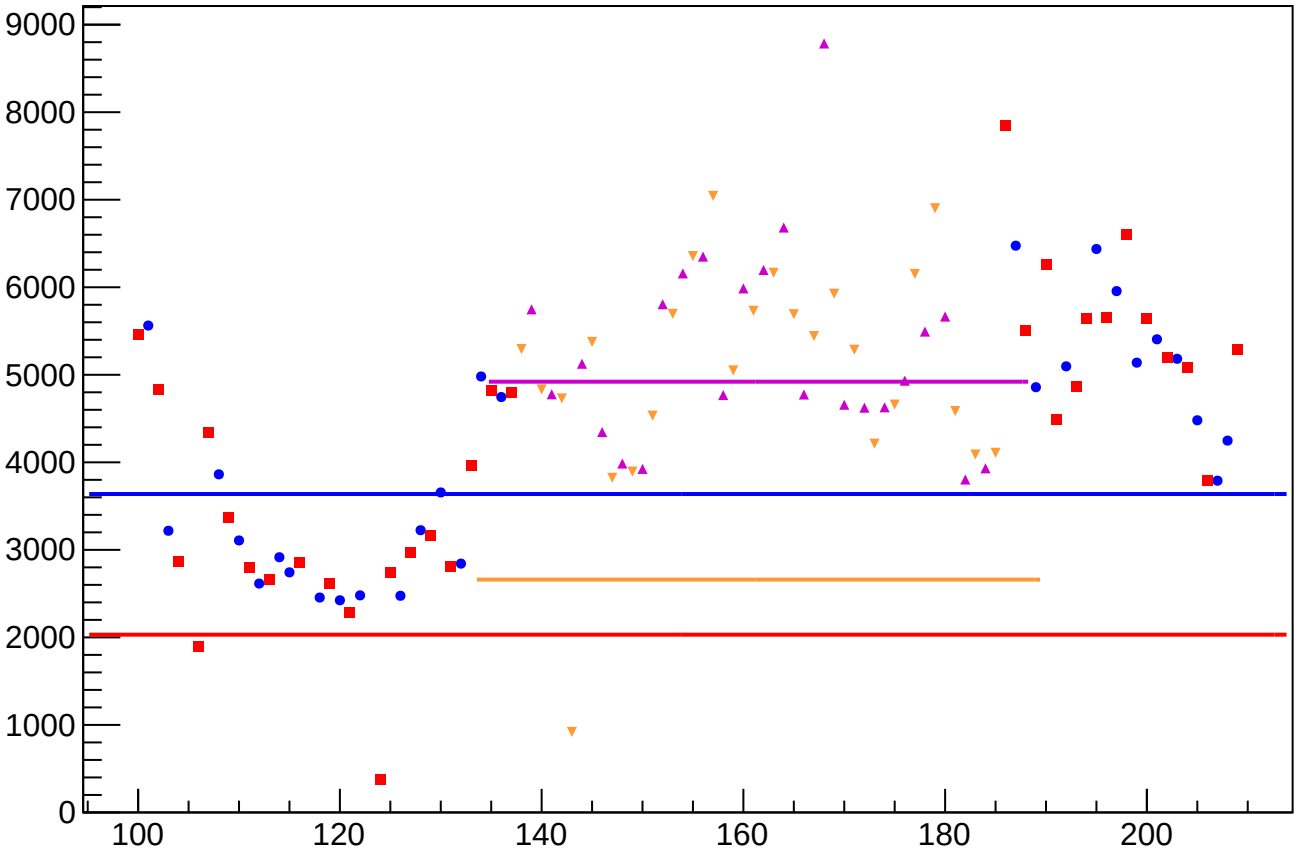
Left: -730.018+/-644.833 χ^2/NDF: 47.2/47

Right: 40.771+/-548.062 χ^2/NDF: 78.8/58

In: -150.784+/-744.866 χ^2/NDF:42.7/49

Out: -342.885+/-504.319 χ^2/NDF:84.1/56

All: -282.504+/-417.605 χ^2/NDF: 126.9/106



Right In: 3637.912+/-0.682 χ^2/NDF: 2866763.6/26

Left Out: 2660.009+/-0.546 χ^2/NDF:14536074.6/24

Right Out: 2031.097+/-0.471 χ^2/NDF: 15493469.1/31

Left In: 4921.319+/-0.830 χ^2/NDF:1251123.1/22

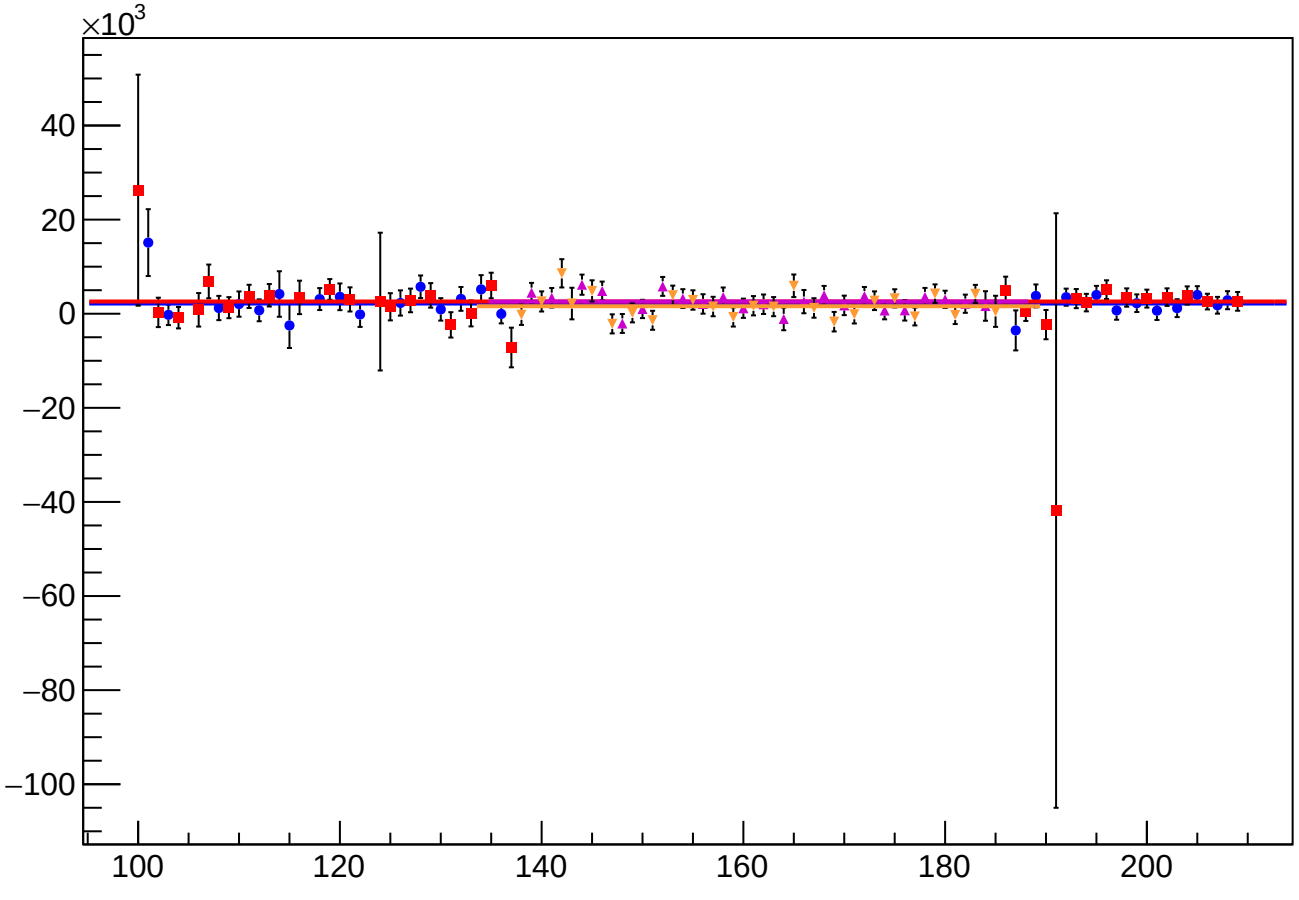
Left: 3342.883+/-0.456 χ^2/NDF: 20971649.5/47

Right: 2550.477+/-0.388 χ^2/NDF: 22120851.3/58

In: 4155.050+/-0.527 χ^2/NDF:5546324.1/49

Out: 2299.615+/-0.357 χ^2/NDF:30790519.4/56

All: 2882.818+/-0.295 χ^2/NDF: 44845986.5/1



Right In: 2167.106+/-447.921 χ^2/NDF: 18.4/26

Left Out: 1592.431+/-423.298 χ^2/NDF:31.3/24

Right Out: 2598.411+/-434.749 χ^2/NDF: 26.8/31

Left In: 2597.812+/-430.293 χ^2/NDF:20.1/22

Left: 2086.883+/-301.760 χ^2/NDF: 54.1/47

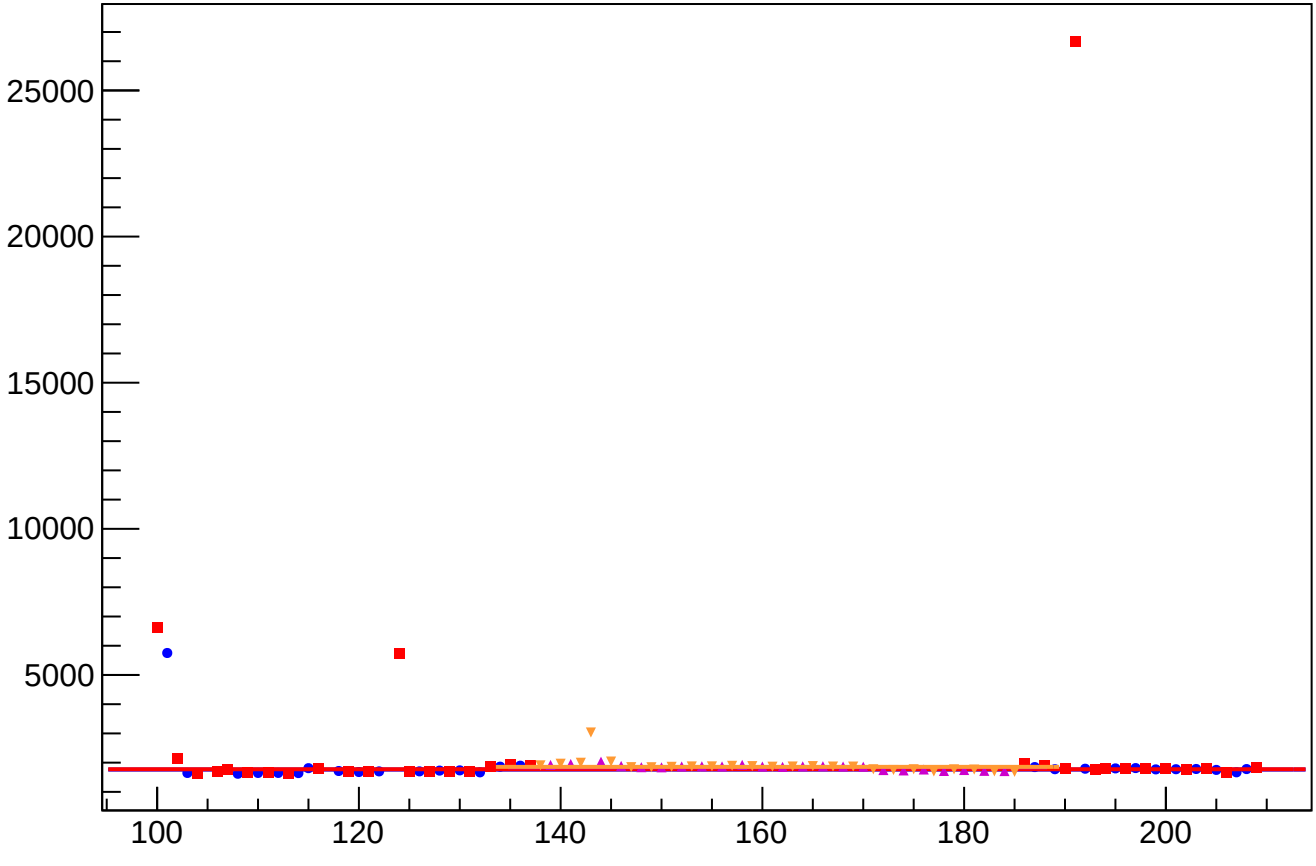
Right: 2389.194+/-311.967 χ^2/NDF: 45.7/58

In: 2391.101+/-310.308 χ^2/NDF:39.0/49

Out: 2081.999+/-303.284 χ^2/NDF:60.8/56

All: 2233.012+/-216.895 χ^2/NDF: 100.3/106

cor_asym_atr1l2_avg_rms vs Slug, Sign Corrected



Right In: 1762.275+/-0.317 χ^2/NDF: 680904.0/26

Left Out: 1855.560+/-0.299 χ^2/NDF:324267.7/24

Right Out: 1774.195+/-0.307 χ^2/NDF: 639124.3/31

Left In: 1840.981+/-0.304 χ^2/NDF:70985.8/22

Left: 1848.390+/-0.213 χ^2/NDF: 396420.2/47

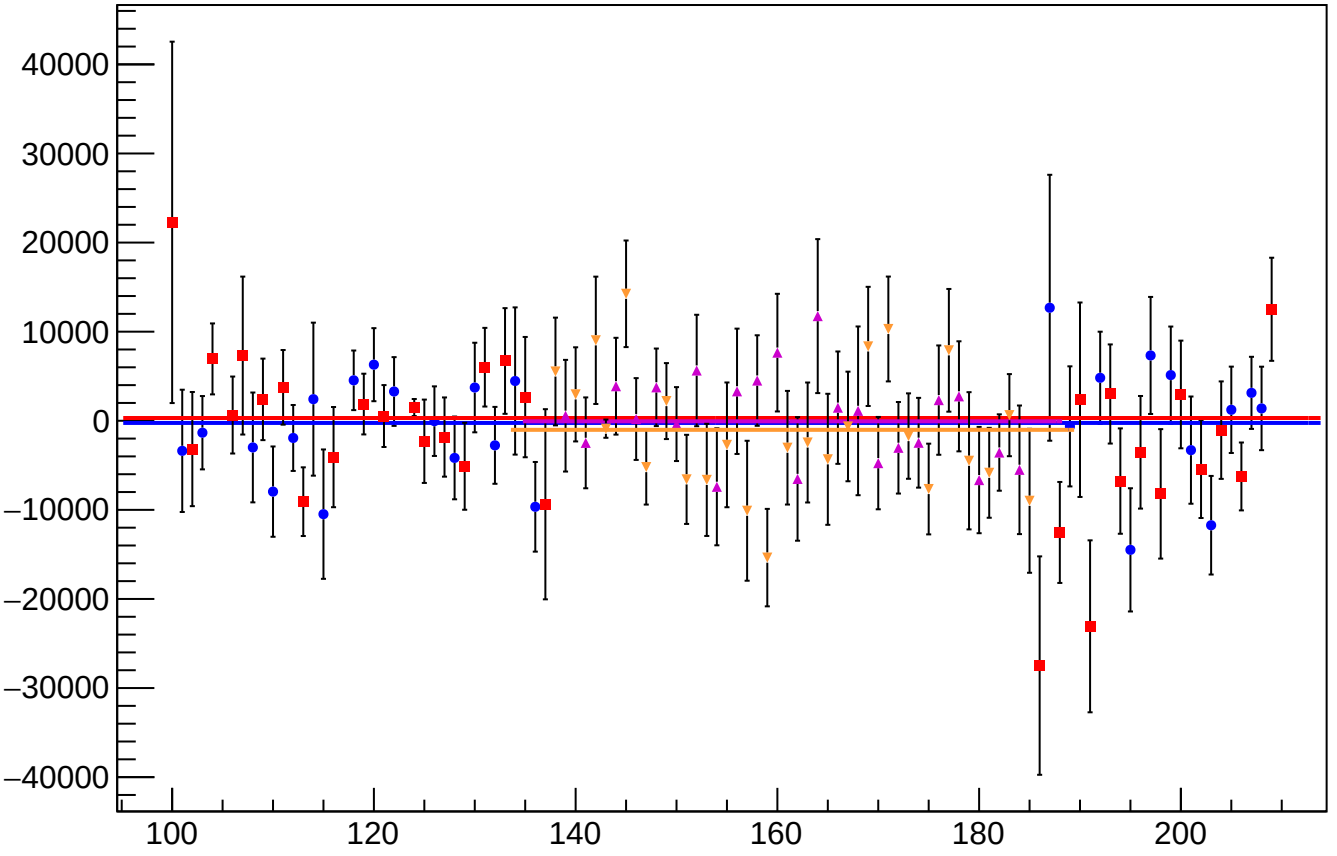
Right: 1768.423+/-0.220 χ^2/NDF: 1320758.8/58

In: 1803.207+/-0.219 χ^2/NDF:784004.4/49

Out: 1815.896+/-0.214 χ^2/NDF:999413.5/56

All: 1809.702+/-0.153 χ^2/NDF: 1785129.6/10

asym_atr1l2_avg_cor_correction_mean vs Slug, Sign Corrected



Right In: -243.584+/-963.315 χ^2/NDF: 29.7/26

Left Out: -1018.712+/-771.798 χ^2/NDF:33.7/24

Right Out: 309.610+/-670.627 χ^2/NDF: 47.9/31

Left In: -62.286+/-1173.429 χ^2/NDF:13.0/22

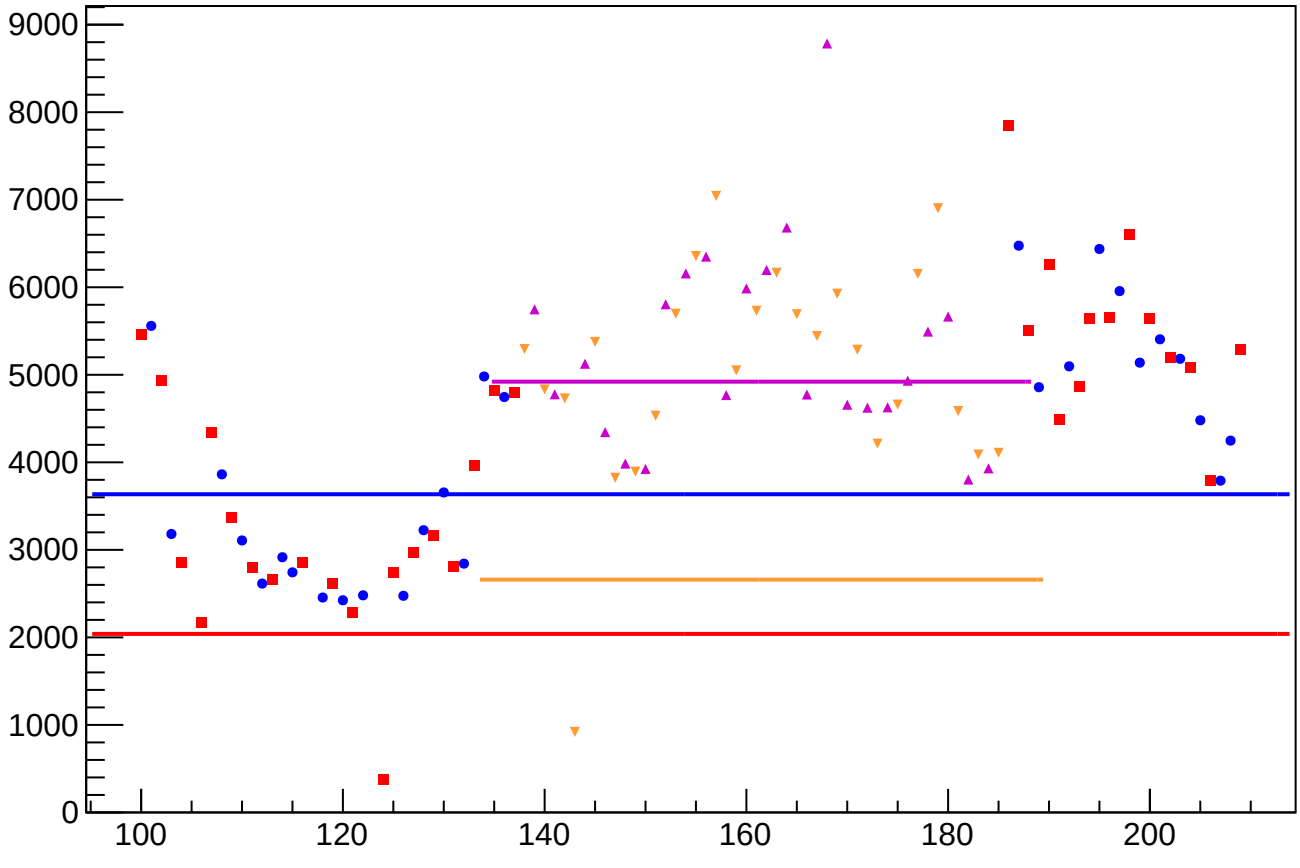
Left: -729.898+/-644.823 χ^2/NDF: 47.2/47

Right: 129.026+/-550.389 χ^2/NDF: 77.9/58

In: -170.592+/-744.557 χ^2/NDF:42.8/49

Out: -261.839+/-506.222 χ^2/NDF:83.4/56

All: -232.993+/-418.628 χ^2/NDF: 126.2/106



Right In: 3635.305+/-0.681 χ^2/NDF: 2870639.1/26

Left Out: 2659.907+/-0.546 χ^2/NDF:14536813.3/24

Right Out: 2039.688+/-0.474 χ^2/NDF: 15507552.8/31

Left In: 4921.316+/-0.830 χ^2/NDF:1251131.6/22

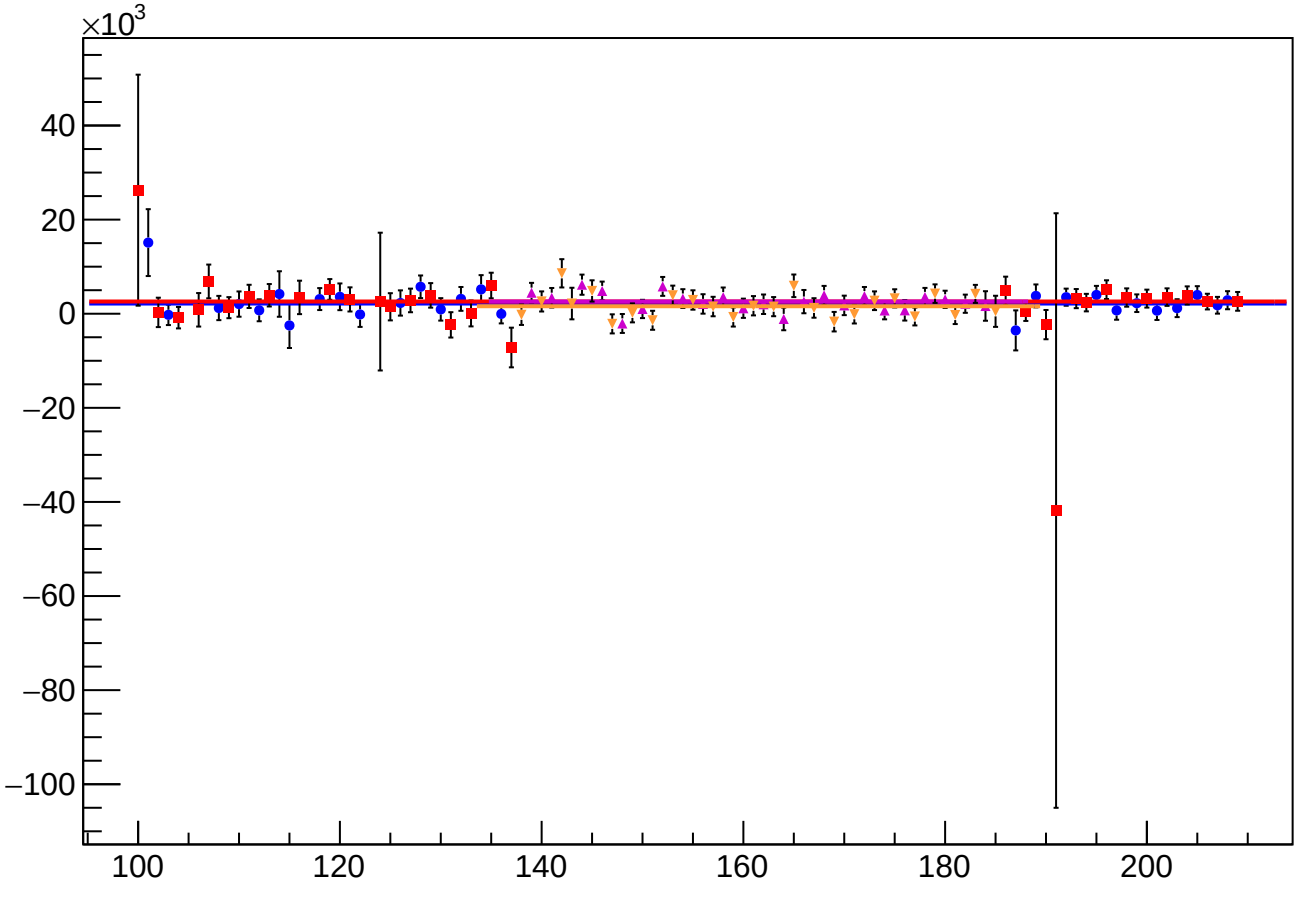
Left: 3342.790+/-0.456 χ^2/NDF: 20972927.8/47

Right: 2560.560+/-0.389 χ^2/NDF: 22074153.5/58

In: 4153.064+/-0.526 χ^2/NDF:5556812.8/49

Out: 2306.509+/-0.358 χ^2/NDF:30780287.5/56

All: 2890.254+/-0.296 χ^2/NDF: 44749771.9/1



Right In: 2167.106+/-447.921 χ^2/NDF: 18.4/26

Left Out: 1592.431+/-423.298 χ^2/NDF:31.3/24

Right Out: 2598.411+/-434.749 χ^2/NDF: 26.8/31

Left In: 2597.812+/-430.293 χ^2/NDF:20.1/22

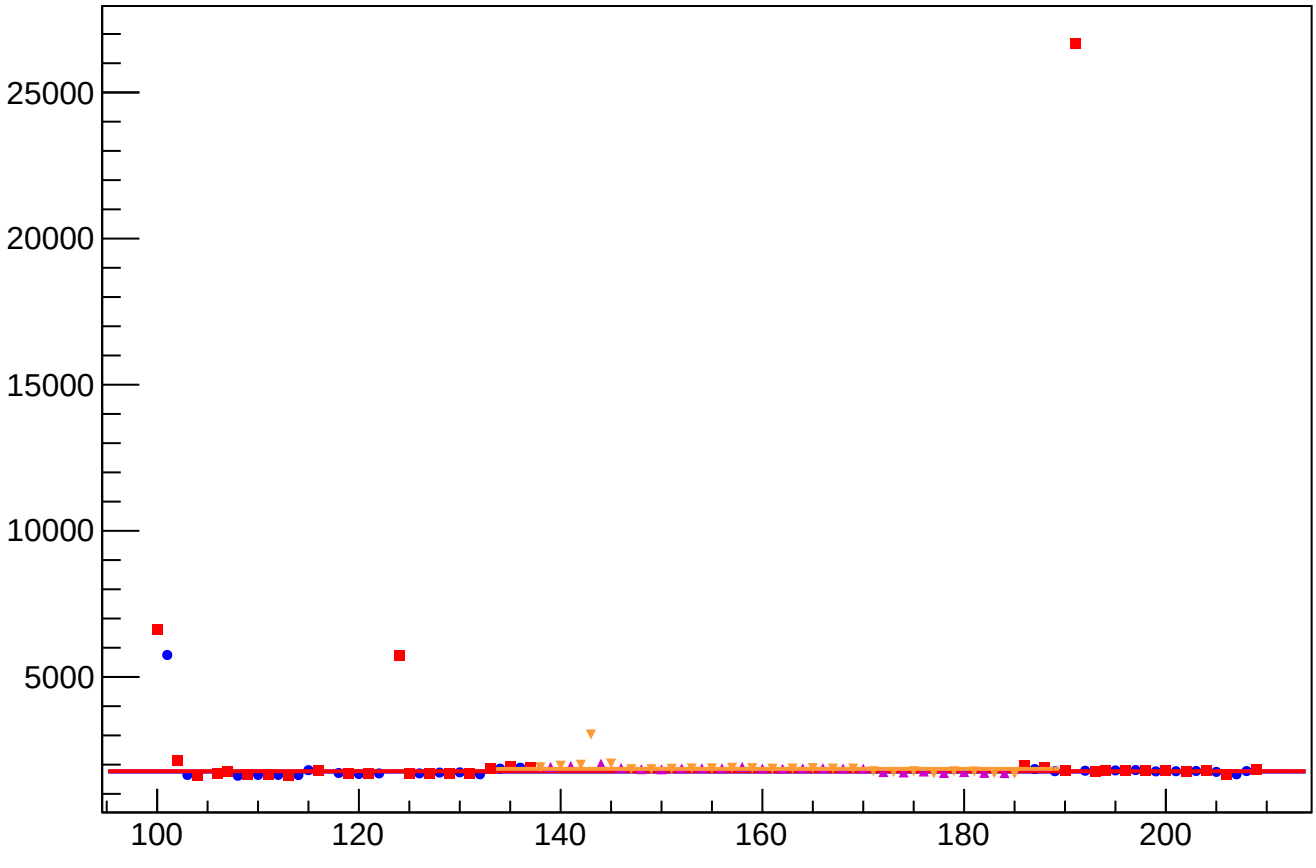
Left: 2086.883+/-301.760 χ^2/NDF: 54.1/47

Right: 2389.194+/-311.967 χ^2/NDF: 45.7/58

In: 2391.101+/-310.308 χ^2/NDF:39.0/49

Out: 2081.999+/-303.284 χ^2/NDF:60.8/56

All: 2233.012+/-216.895 χ^2/NDF: 100.3/106



Right In: 1762.275+/-0.317 χ^2/NDF: 680904.0/26

Left Out: 1855.560+/-0.299 χ^2/NDF:324267.7/24

Right Out: 1774.195+/-0.307 χ^2/NDF: 639124.3/31

Left In: 1840.981+/-0.304 χ^2/NDF:70985.8/22

Left: 1848.390+/-0.213 χ^2/NDF: 396420.2/47

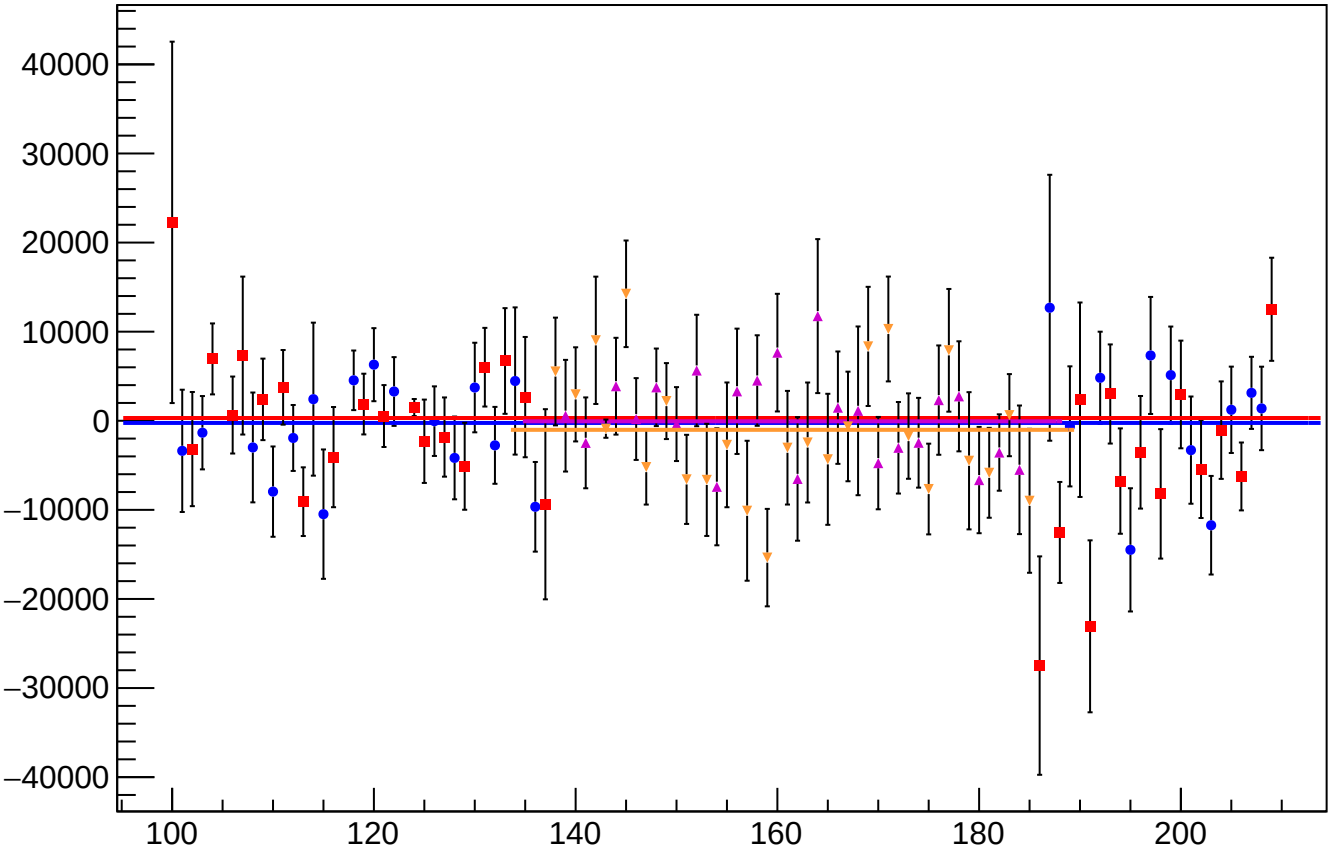
Right: 1768.423+/-0.220 χ^2/NDF: 1320758.8/58

In: 1803.207+/-0.219 χ^2/NDF:784004.4/49

Out: 1815.896+/-0.214 χ^2/NDF:999413.5/56

All: 1809.702+/-0.153 χ^2/NDF: 1785129.6/10

asym_atr1l2_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -243.584+/-963.315 χ^2/NDF: 29.7/26

Left Out: -1018.712+/-771.798 χ^2/NDF:33.7/24

Right Out: 309.610+/-670.627 χ^2/NDF: 47.9/31

Left In: -62.286+/-1173.429 χ^2/NDF:13.0/22

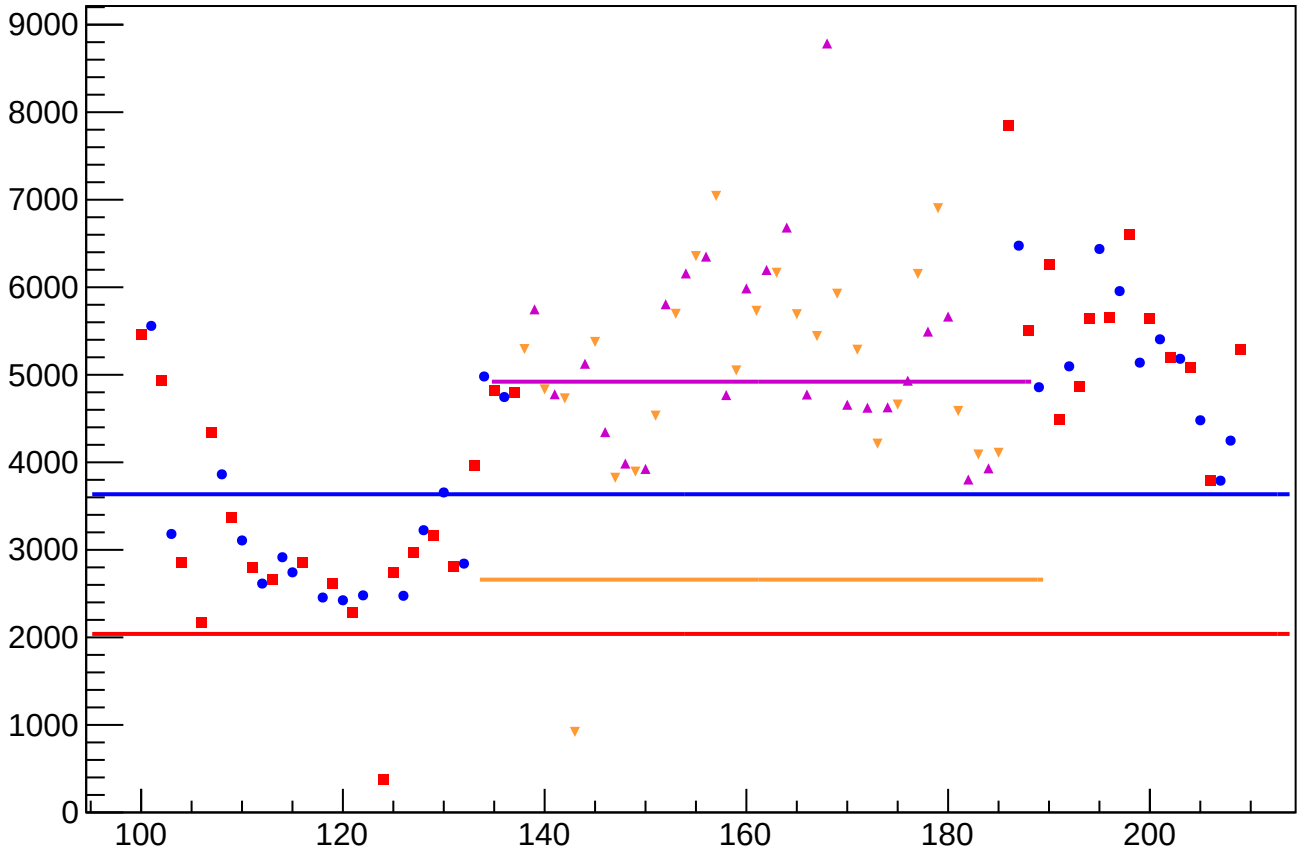
Left: -729.898+/-644.823 χ^2/NDF: 47.2/47

Right: 129.026+/-550.389 χ^2/NDF: 77.9/58

In: -170.592+/-744.557 χ^2/NDF:42.8/49

Out: -261.839+/-506.222 χ^2/NDF:83.4/56

All: -232.993+/-418.628 χ^2/NDF: 126.2/106



Right In: 3635.305+/-0.681 χ^2/NDF: 2870639.1/26

Left Out: 2659.907+/-0.546 χ^2/NDF:14536813.3/24

Right Out: 2039.688+/-0.474 χ^2/NDF: 15507552.8/31

Left In: 4921.316+/-0.830 χ^2/NDF:1251131.6/22

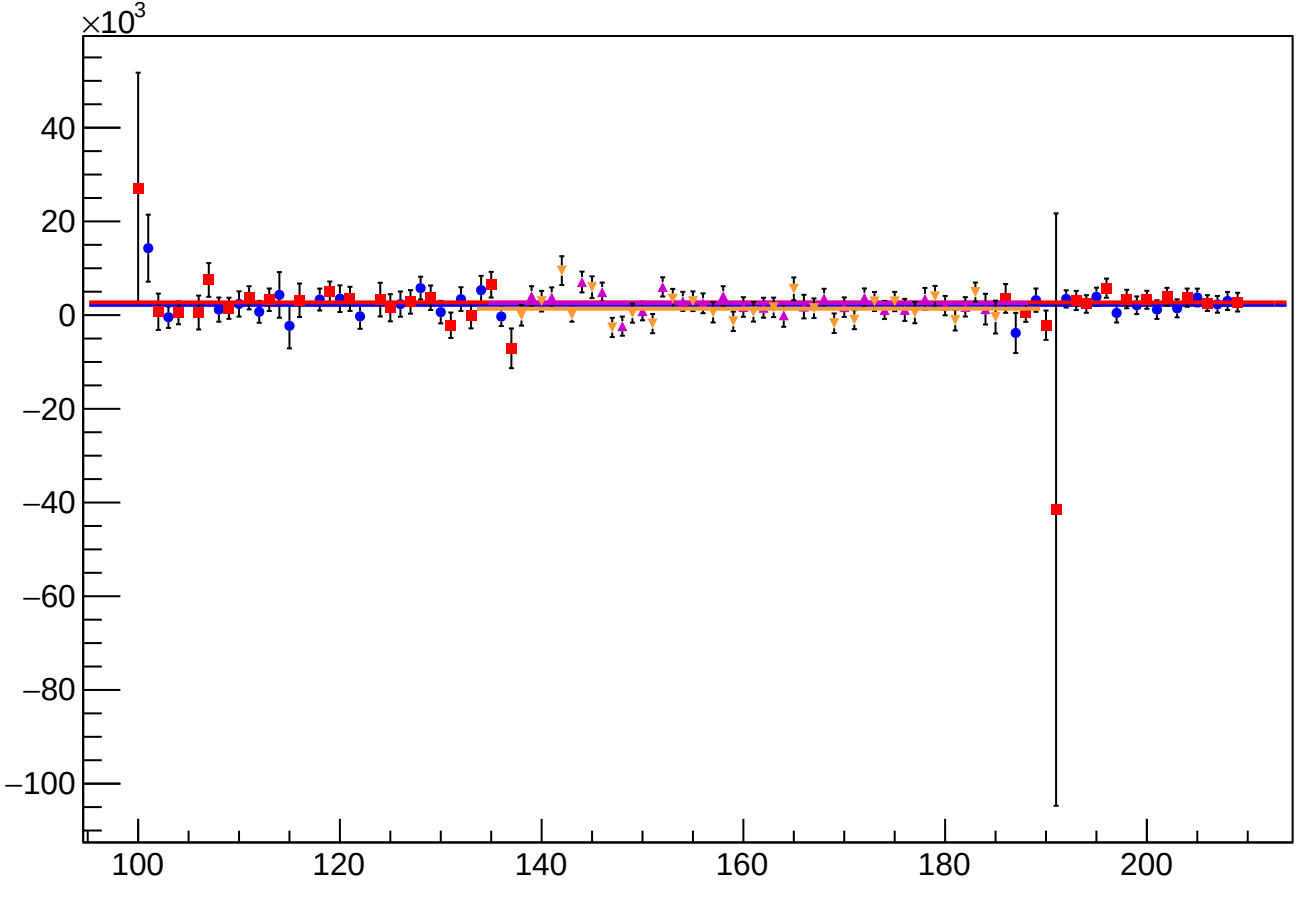
Left: 3342.790+/-0.456 χ^2/NDF: 20972927.8/47

Right: 2560.560+/-0.389 χ^2/NDF: 22074153.5/58

In: 4153.064+/-0.526 χ^2/NDF:5556812.8/49

Out: 2306.509+/-0.358 χ^2/NDF:30780287.5/56

All: 2890.254+/-0.296 χ^2/NDF: 44749771.9/1



Right In: 2188.444+/-452.775 χ^2/NDF: 17.9/26

Left Out: 1363.887+/-427.332 χ^2/NDF:36.1/24

Right Out: 2715.972+/-437.937 χ^2/NDF: 25.1/31

Left In: 2602.835+/-446.741 χ^2/NDF:20.0/22

Left: 1955.864+/-308.803 χ^2/NDF: 60.2/47

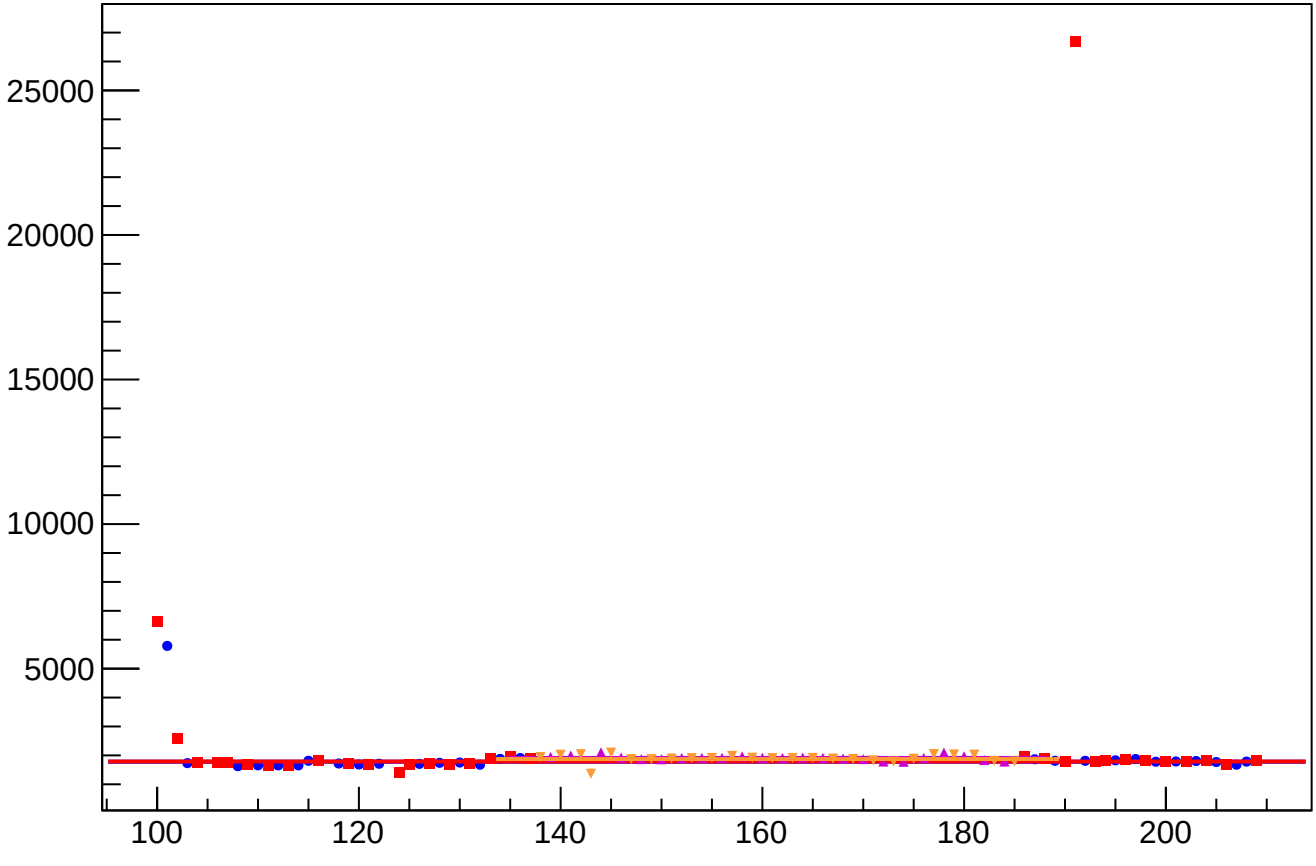
Right: 2460.993+/-314.783 χ^2/NDF: 43.7/58

In: 2398.419+/-318.006 χ^2/NDF:38.4/49

Out: 2023.361+/-305.850 χ^2/NDF:66.1/56

All: 2203.585+/-220.441 χ^2/NDF: 105.2/106

dit_asym_atr1l2_avg_rms vs Slug, Sign Corrected



Right In: 1781.130+/-0.320 χ^2/NDF: 682200.5/26

Left Out: 1873.177+/-0.302 χ^2/NDF:309733.7/24

Right Out: 1787.627+/-0.309 χ^2/NDF: 562226.6/31

Left In: 1911.423+/-0.316 χ^2/NDF:59139.8/22

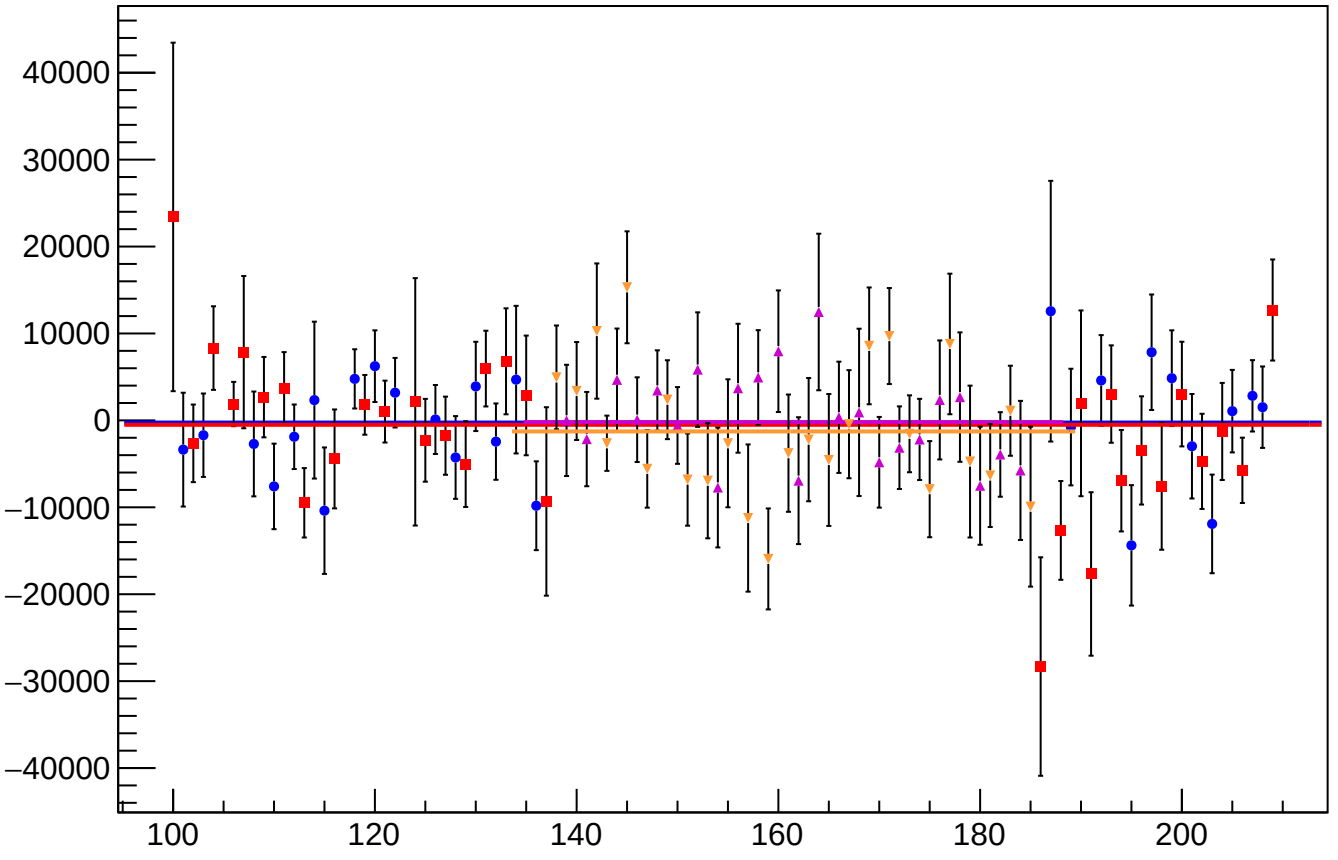
Left: 1891.452+/-0.218 χ^2/NDF: 376528.1/47

Right: 1784.490+/-0.222 χ^2/NDF: 1244640.2/58

In: 1847.150+/-0.225 χ^2/NDF:825261.3/49

Out: 1831.400+/-0.216 χ^2/NDF:911103.8/56

All: 1838.964+/-0.156 χ^2/NDF: 1738915.1/10



Right In: -251.257+/-978.674 χ^2/NDF: 29.1/26

Left Out: -1269.760+/-1156.132 χ^2/NDF:33.4/24

Right Out: -506.904+/-901.347 χ^2/NDF: 43.8/31

Left In: -196.917+/-1234.538 χ^2/NDF:12.7/22

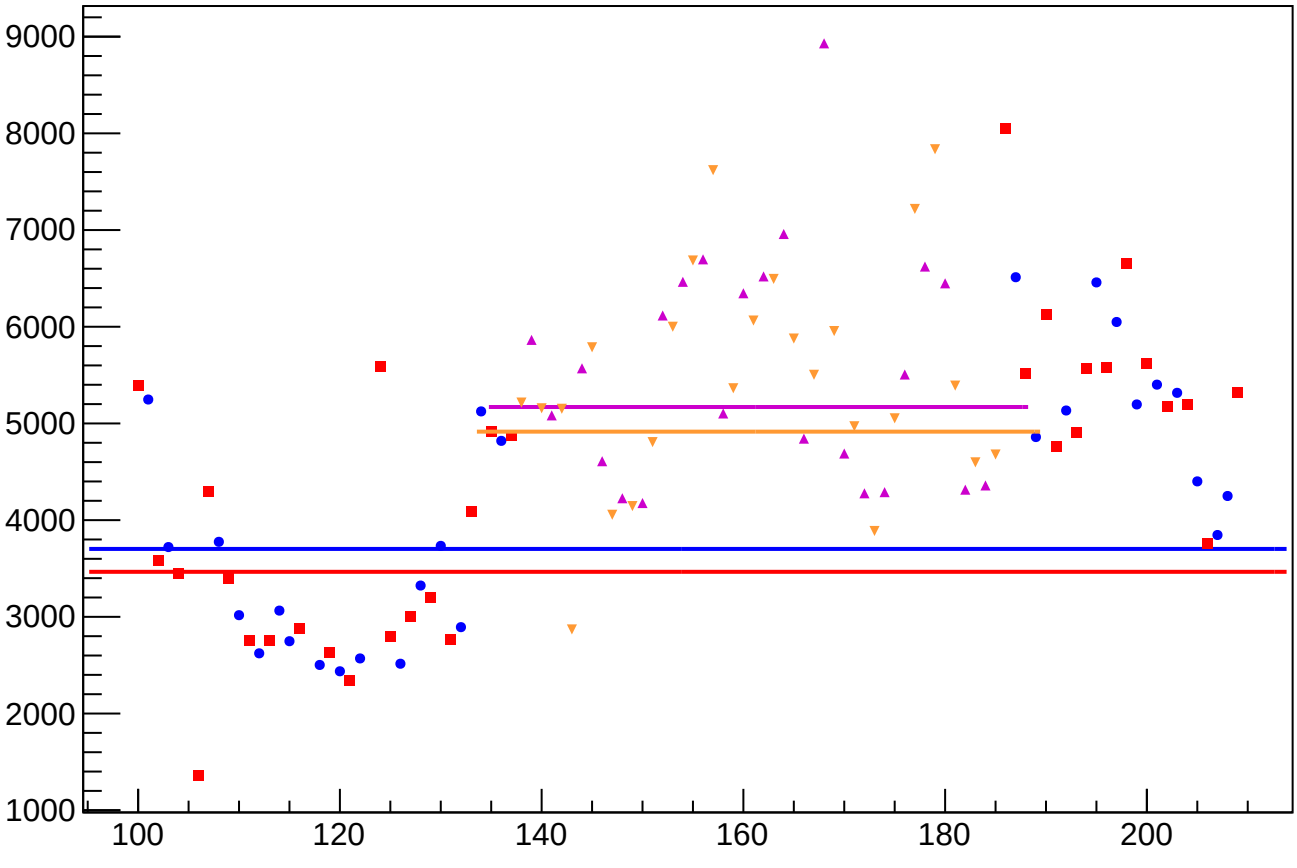
Left: -768.486+/-843.867 χ^2/NDF: 46.5/47

Right: -389.578+/-663.003 χ^2/NDF: 72.9/58

In: -230.286+/-766.922 χ^2/NDF:41.8/49

Out: -795.292+/-710.844 χ^2/NDF:77.5/56

All: -534.199+/-521.342 χ^2/NDF: 119.6/106



Right In: 3702.347+/-0.692 χ^2/NDF: 2759821.9/26

Left Out: 4915.244+/-0.818 χ^2/NDF:2166229.1/24

Right Out: 3465.656+/-0.637 χ^2/NDF: 4721476.9/31

Left In: 5170.028+/-0.873 χ^2/NDF:1348711.3/22

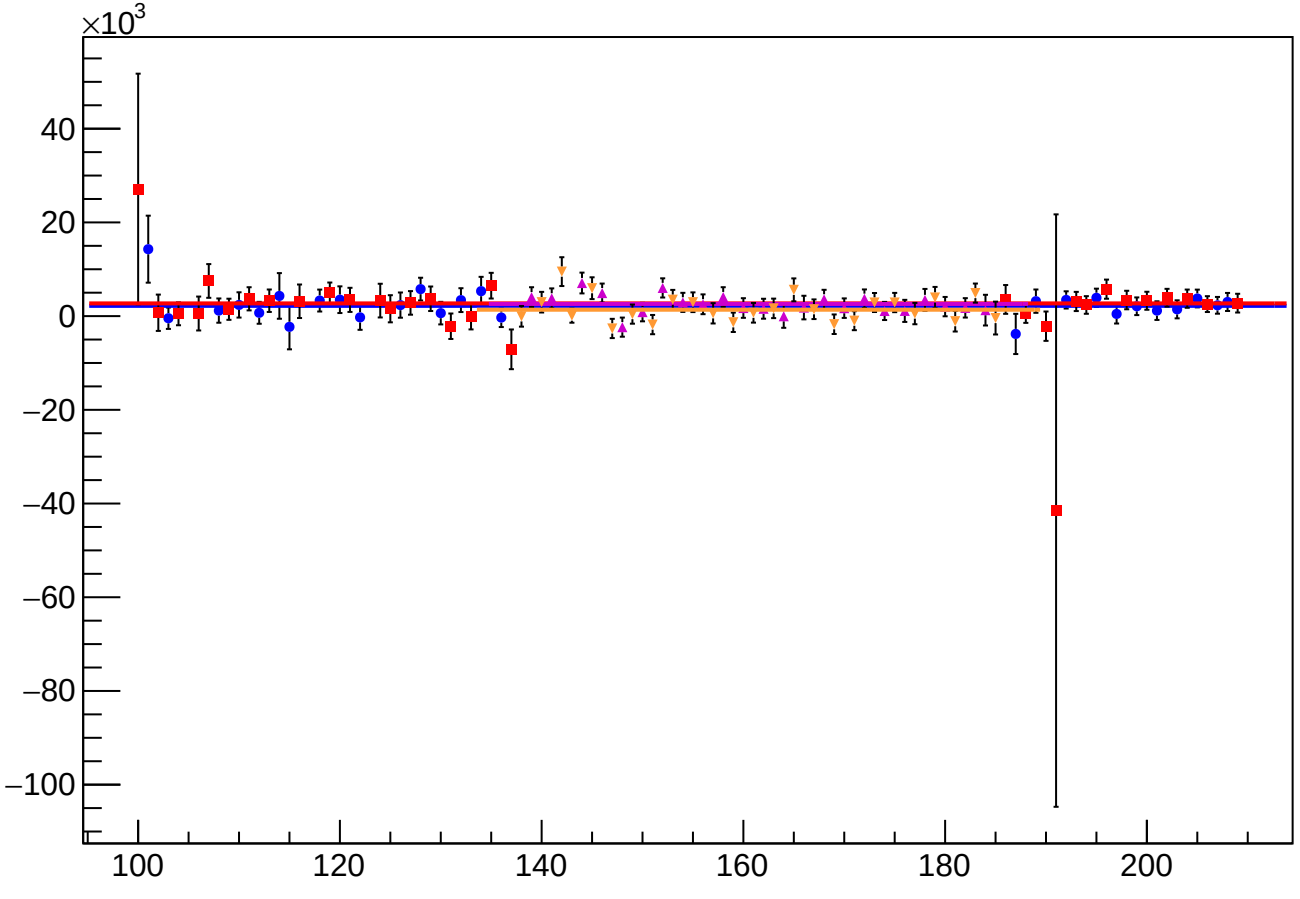
Left: 5034.289+/-0.597 χ^2/NDF: 3560323.8/47

Right: 3574.282+/-0.469 χ^2/NDF: 7544593.0/58

In: 4268.750+/-0.542 χ^2/NDF:5844379.6/49

Out: 4013.653+/-0.503 χ^2/NDF:8843258.3/56

All: 4131.535+/-0.369 χ^2/NDF: 14806661.3/1



Right In: 2188.445+/-452.775 χ^2/NDF: 17.9/26

Left Out: 1363.884+/-427.333 χ^2/NDF:36.1/24

Right Out: 2715.970+/-437.937 χ^2/NDF: 25.1/31

Left In: 2602.834+/-446.742 χ^2/NDF:20.0/22

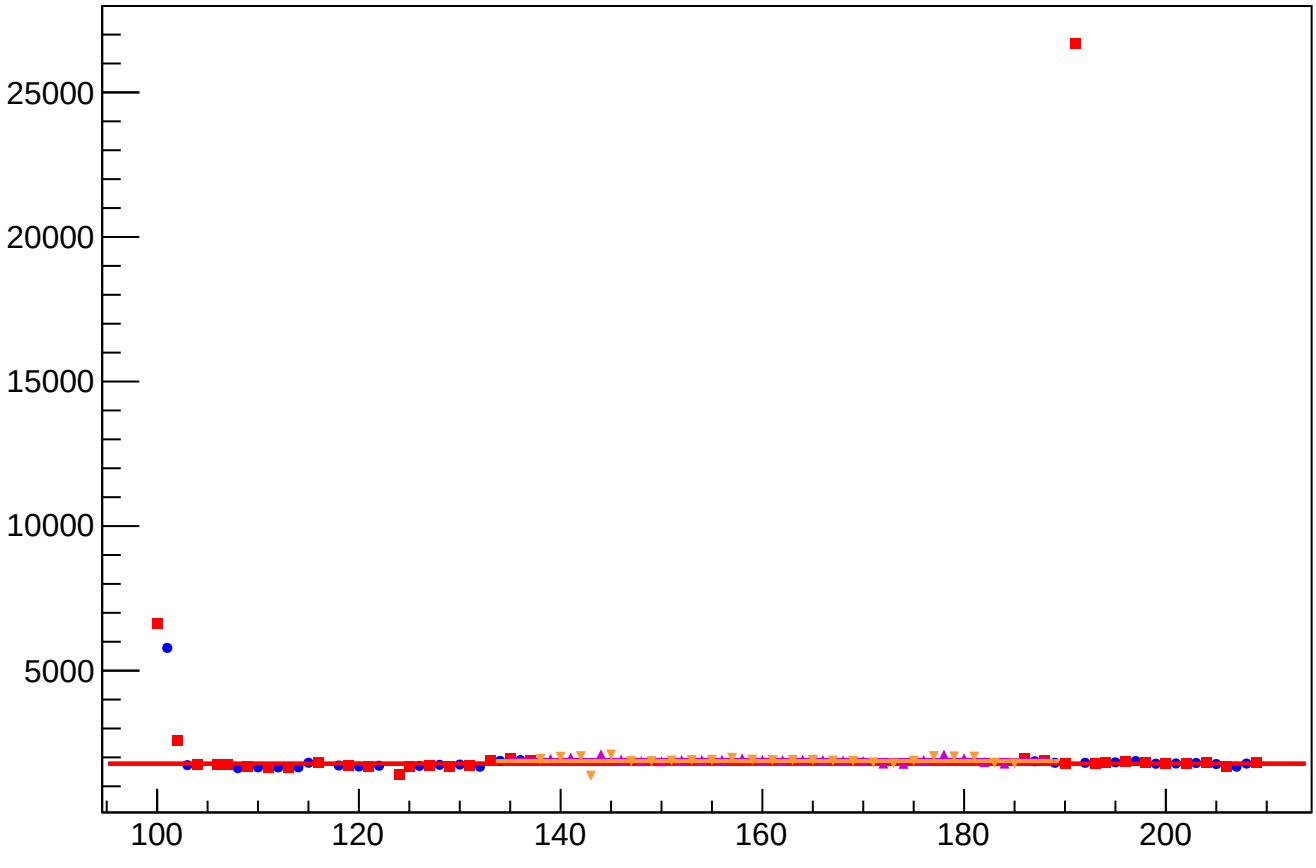
Left: 1955.861+/-308.803 χ^2/NDF: 60.2/47

Right: 2460.993+/-314.783 χ^2/NDF: 43.7/58

In: 2398.419+/-318.006 χ^2/NDF:38.4/49

Out: 2023.359+/-305.850 χ^2/NDF:66.1/56

All: 2203.584+/-220.441 χ^2/NDF: 105.2/106



Right In: 1781.130+/-0.320 χ^2/NDF: 682200.5/26

Left Out: 1873.178+/-0.302 χ^2/NDF:309737.2/24

Right Out: 1787.627+/-0.309 χ^2/NDF: 562226.8/31

Left In: 1911.425+/-0.316 χ^2/NDF:59142.0/22

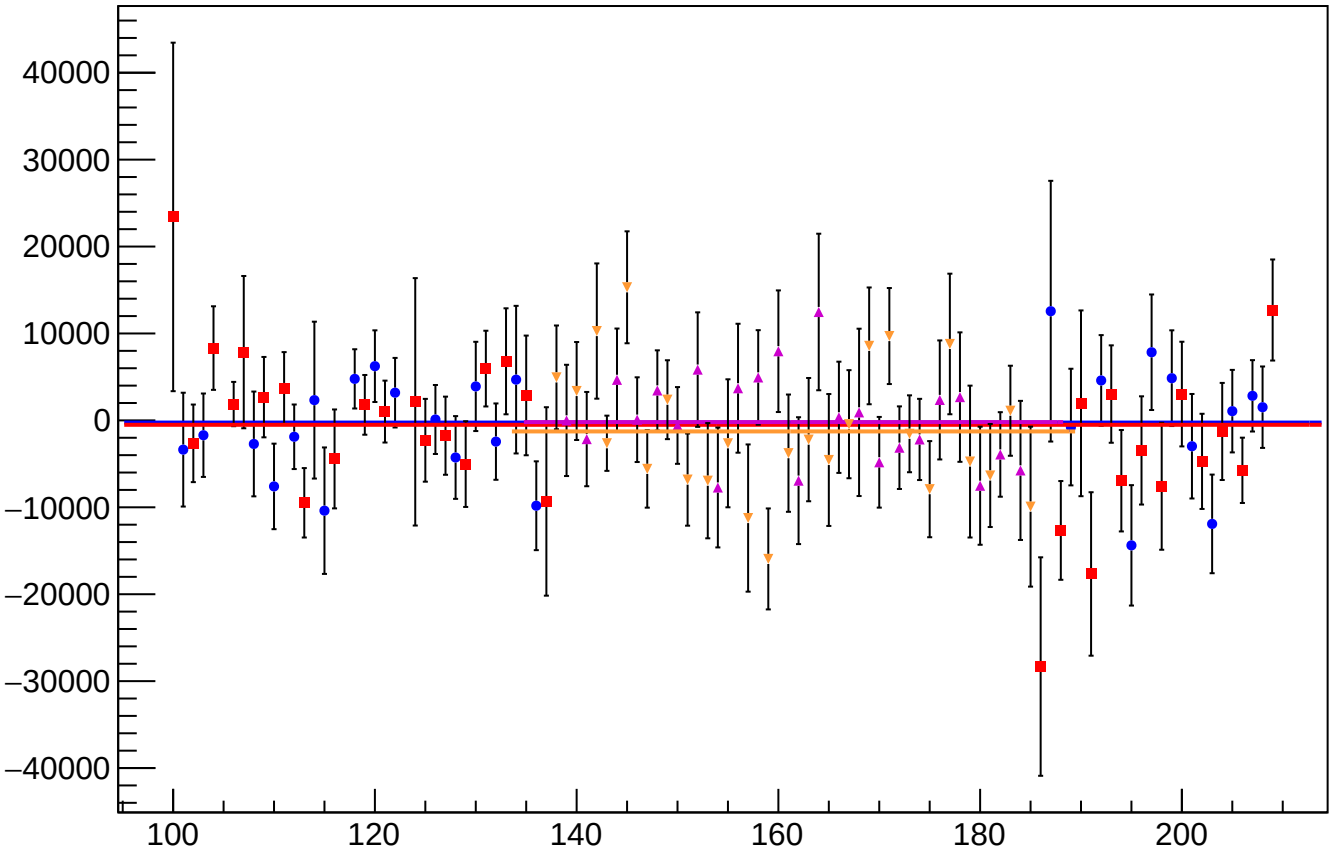
Left: 1891.453+/-0.218 χ^2/NDF: 376533.8/47

Right: 1784.490+/-0.222 χ^2/NDF: 1244640.3/58

In: 1847.151+/-0.225 χ^2/NDF:825264.9/49

Out: 1831.401+/-0.216 χ^2/NDF:911108.3/56

All: 1838.965+/-0.156 χ^2/NDF: 1738923.3/10



Right In: -251.253+/-978.672 χ^2/NDF: 29.1/26

Left Out: -1269.765+/-1156.133 χ^2/NDF:33.4/24

Right Out: -506.895+/-901.345 χ^2/NDF: 43.8/31

Left In: -196.918+/-1234.540 χ^2/NDF:12.7/22

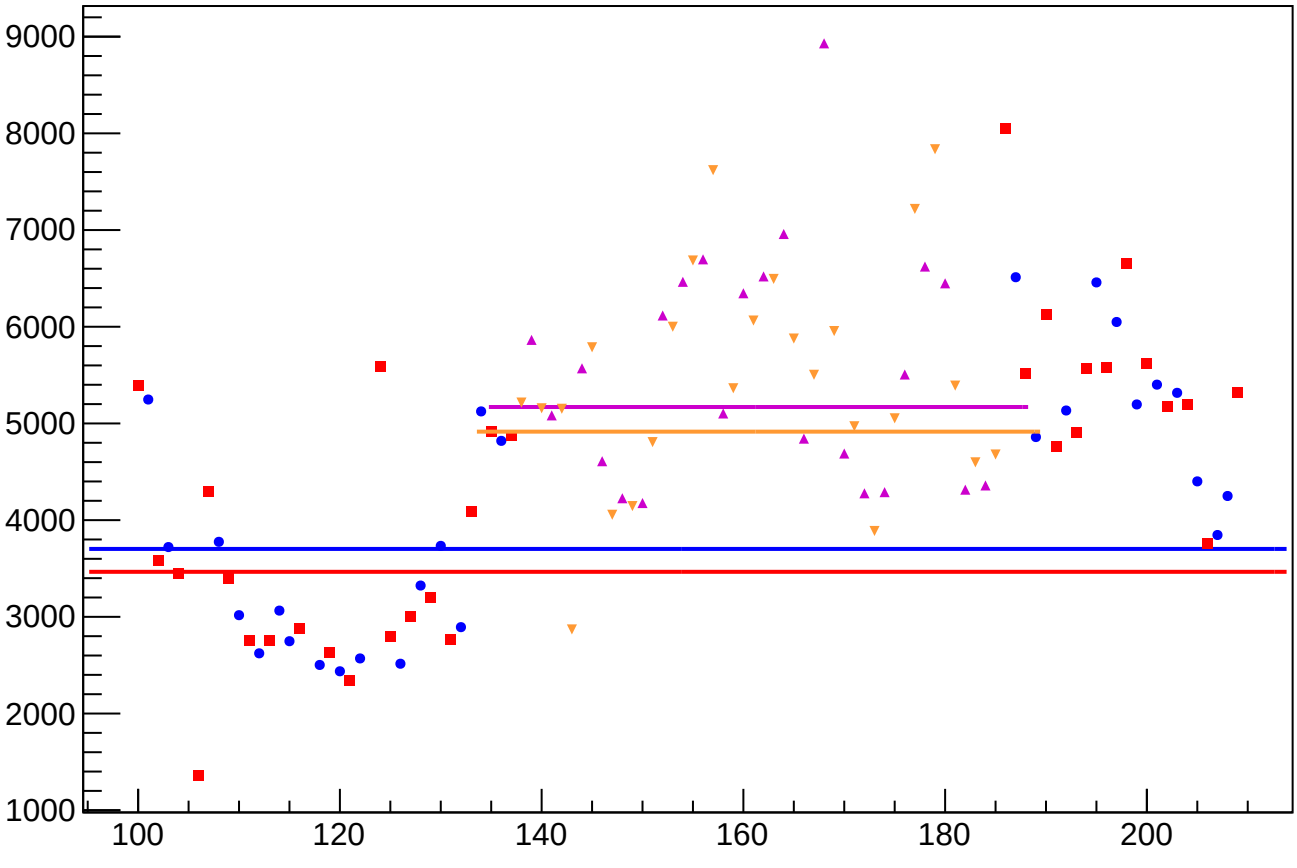
Left: -768.490+/-843.868 χ^2/NDF: 46.5/47

Right: -389.571+/-663.001 χ^2/NDF: 72.9/58

In: -230.284+/-766.922 χ^2/NDF:41.8/49

Out: -795.287+/-710.843 χ^2/NDF:77.5/56

All: -534.196+/-521.341 χ^2/NDF: 119.6/106



Right In: 3702.339+/-0.692 χ^2/NDF: 2759865.4/26

Left Out: 4915.251+/-0.818 χ^2/NDF:2166236.2/24

Right Out: 3465.644+/-0.637 χ^2/NDF: 4721543.3/31

Left In: 5170.035+/-0.873 χ^2/NDF:1348713.2/22

Left: 5034.296+/-0.597 χ^2/NDF: 3560333.0/47

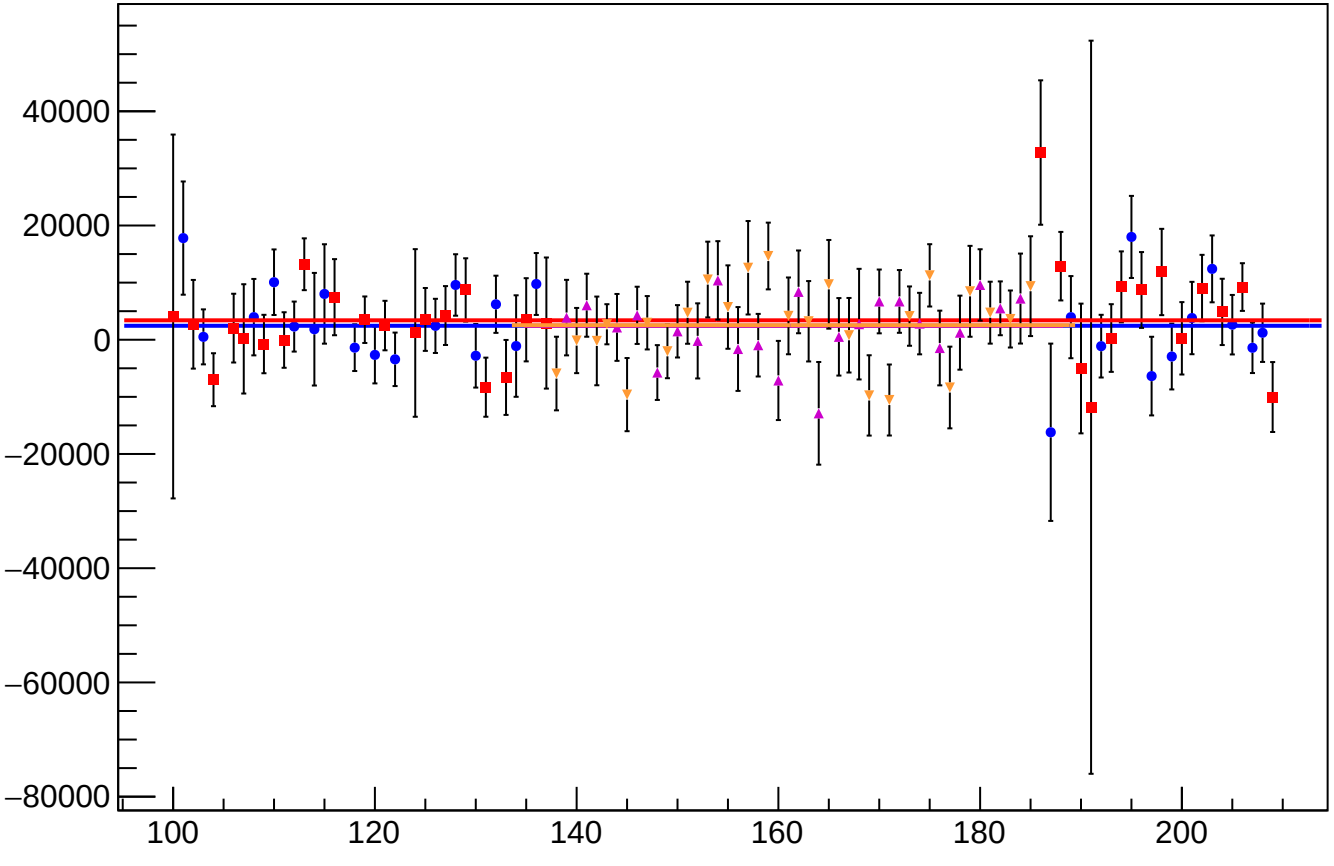
Right: 3574.273+/-0.469 χ^2/NDF: 7544705.4/58

In: 4268.746+/-0.542 χ^2/NDF:5844459.3/49

Out: 4013.646+/-0.503 χ^2/NDF:8843380.5/56

All: 4131.529+/-0.369 χ^2/NDF: 14806866.7/1

asym_atr1l2_avg_mean vs Slug, Sign Corrected



Right In: 2445.105+/-1095.760 χ^2/NDF: 26.4/26

Left Out: 2547.072+/-1187.668 χ^2/NDF:29.1/24

Right Out: 3400.560+/-1073.522 χ^2/NDF: 39.5/31

Left In: 2423.016+/-1259.653 χ^2/NDF:15.0/22

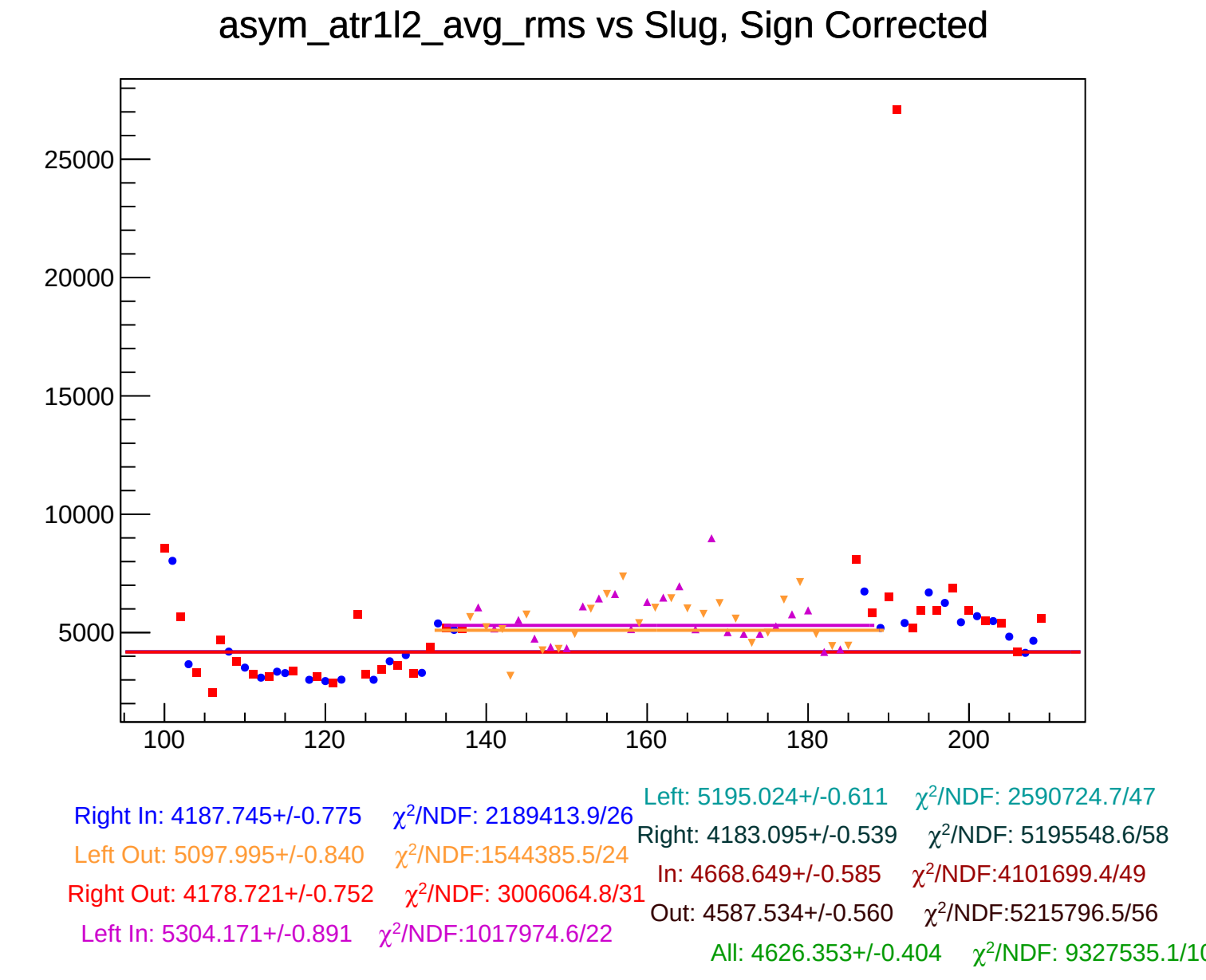
Left: 2488.690+/-864.136 χ^2/NDF: 44.1/47

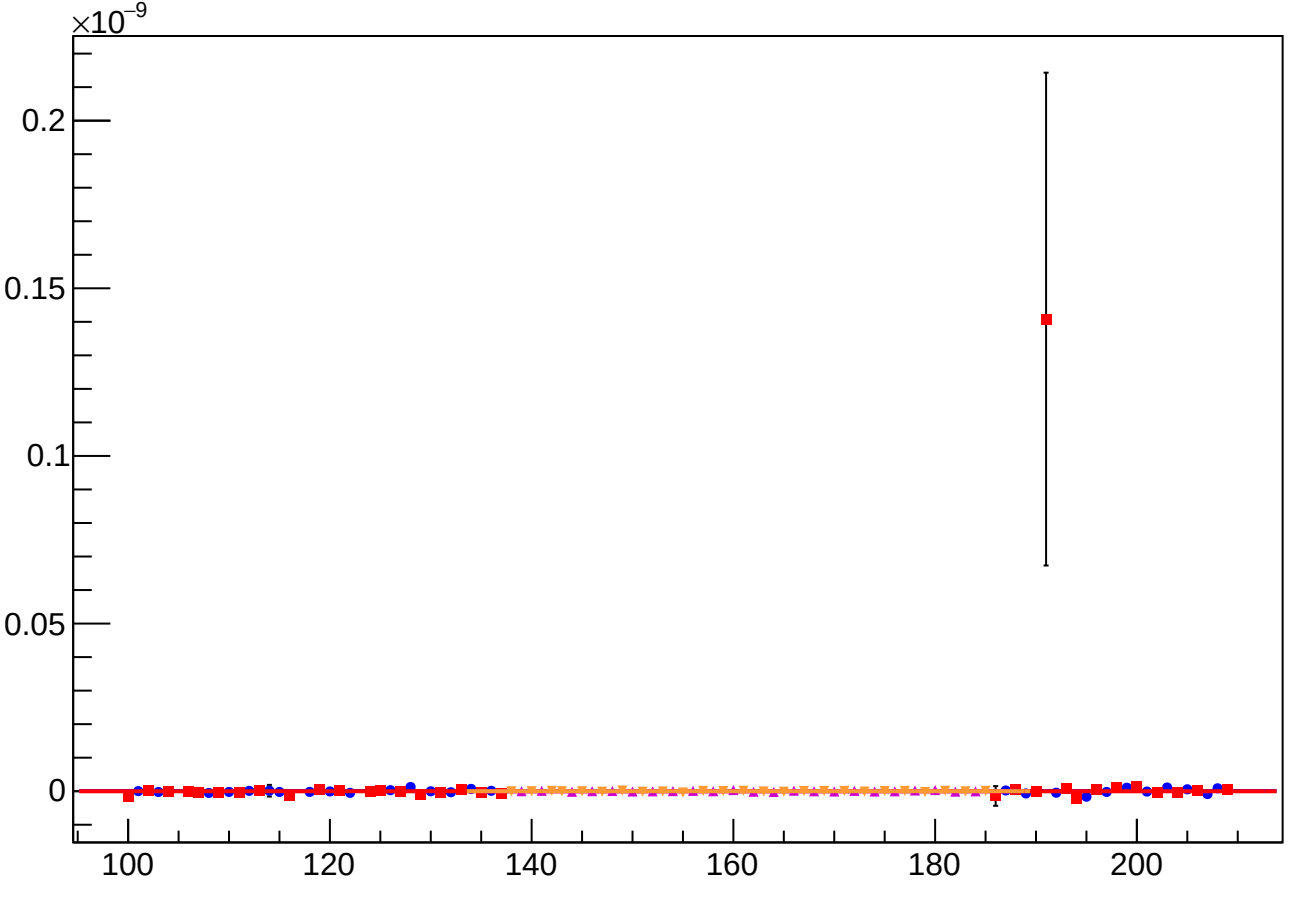
Right: 2932.626+/-766.836 χ^2/NDF: 66.2/58

In: 2435.590+/-826.734 χ^2/NDF:41.4/49

Out: 3016.791+/-796.400 χ^2/NDF:68.8/56

All: 2737.048+/-573.564 χ^2/NDF: 110.4/106


asym_atr1l2_avg_rms vs Slug, Sign Corrected
25000
20000
15000
10000
5000
100
120
140
160
180
200
Right In: 4187.745+/-0.775 χ²/NDF: 2189413.9/26
Left Out: 5097.995+/-0.840 χ²/NDF:1544385.5/24
Right Out: 4178.721+/-0.752 χ²/NDF: 3006064.8/31
Left In: 5304.171+/-0.891 χ²/NDF:1017974.6/22
Left: 5195.024+/-0.611 χ²/NDF: 2590724.7/47
Right: 4183.095+/-0.539 χ²/NDF: 5195548.6/58
In: 4668.649+/-0.585 χ²/NDF:4101699.4/49
Out: 4587.534+/-0.560 χ²/NDF:5215796.5/56
All: 4626.353+/-0.404 χ²/NDF: 9327535.1/10



Right In: 0.000+/-0.000 χ^2/NDF: 36.2/26

Left Out: 0.000+/-0.000 χ^2/NDF:15.2/24

Right Out: -0.000+/-0.000 χ^2/NDF: 41.1/31

Left In: -0.000+/-0.000 χ^2/NDF:22.9/22

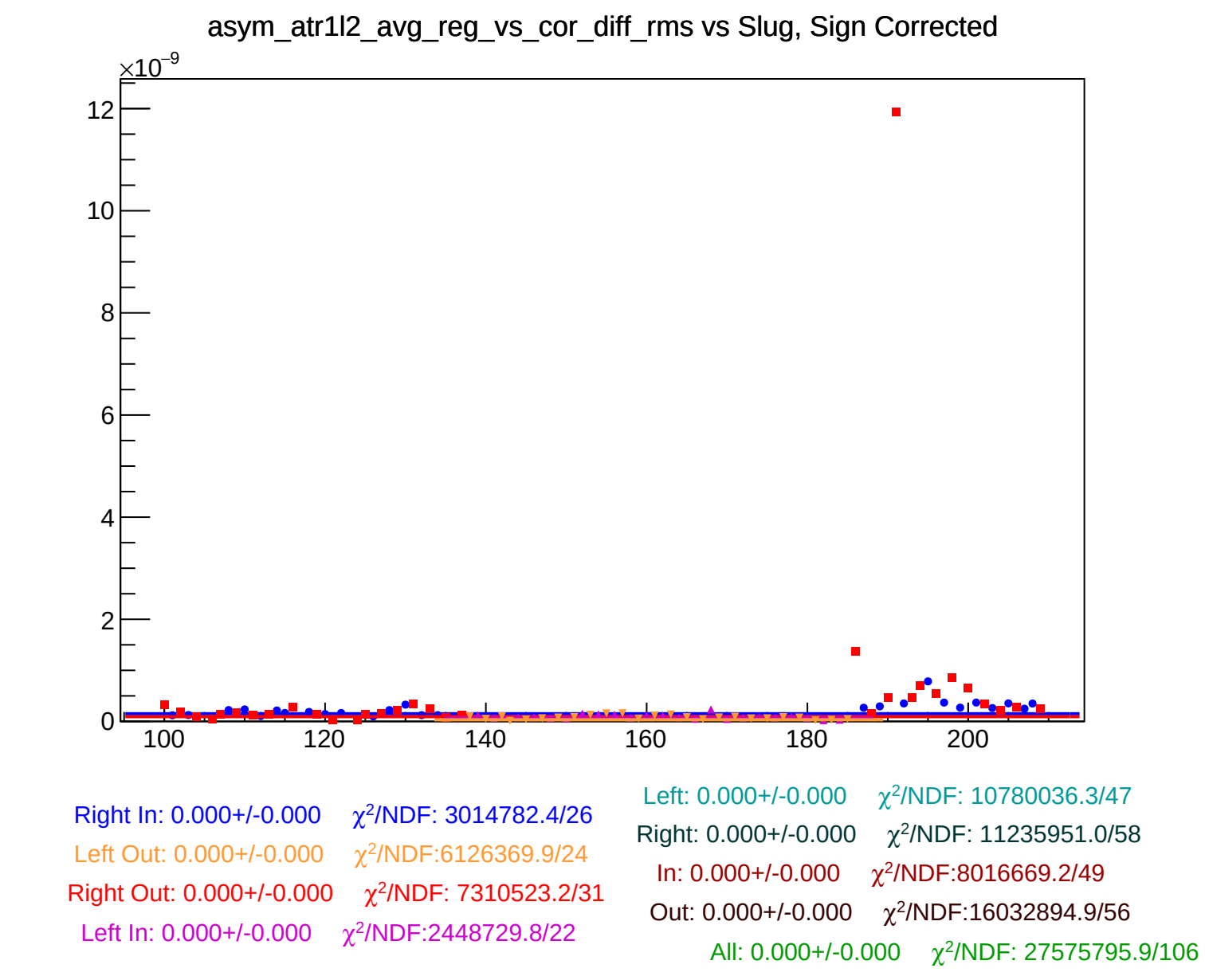
Left: 0.000+/-0.000 χ^2/NDF: 38.2/47

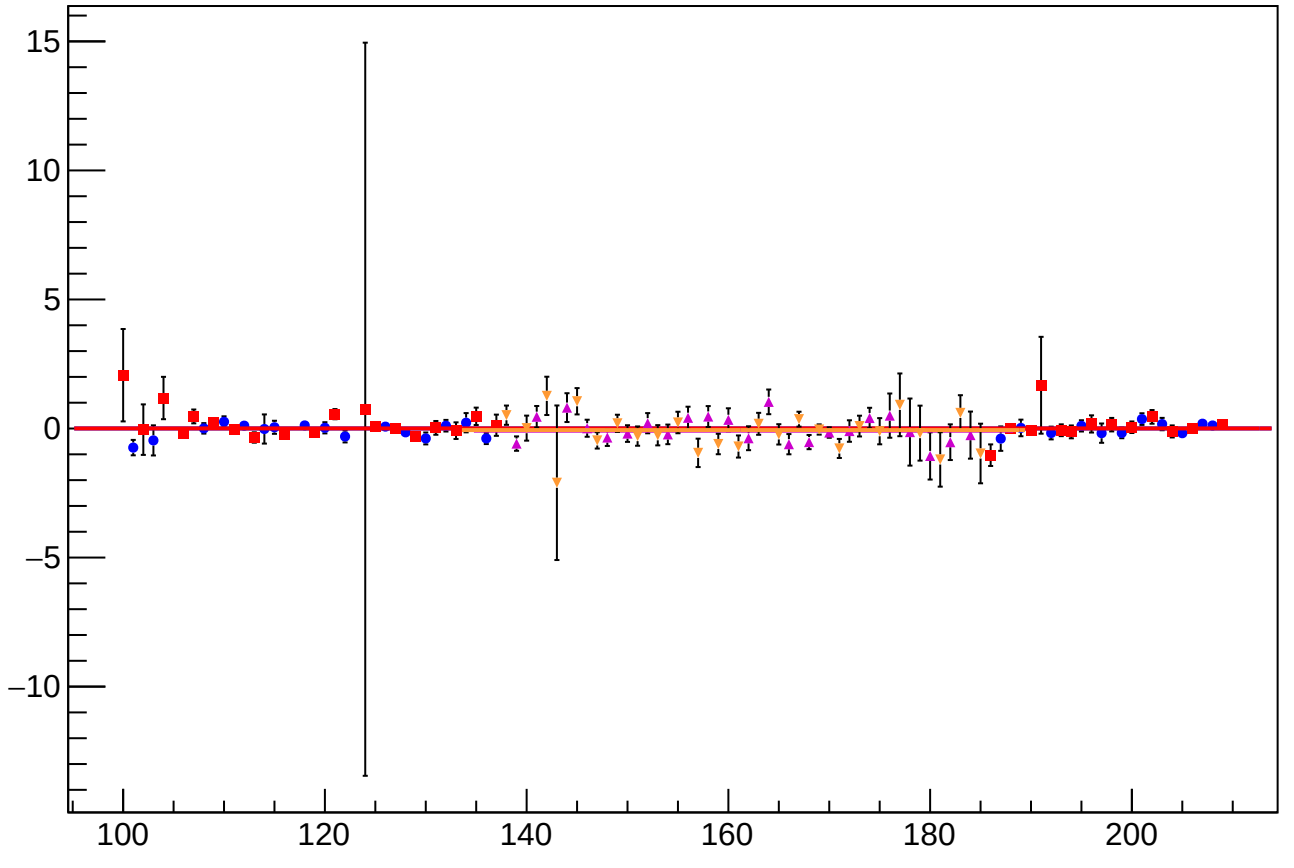
Right: 0.000+/-0.000 χ^2/NDF: 78.0/58

In: 0.000+/-0.000 χ^2/NDF:59.7/49

Out: 0.000+/-0.000 χ^2/NDF:56.5/56

All: 0.000+/-0.000 χ^2/NDF: 116.2/106


asym_atr1l2_avg_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−9
12
10
8
6
4
2
0
100
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 3014782.4/26
Left Out: 0.000+/-0.000 χ²/NDF:6126369.9/24
Right Out: 0.000+/-0.000 χ²/NDF: 7310523.2/31
Left In: 0.000+/-0.000 χ²/NDF:2448729.8/22
Left: 0.000+/-0.000 χ²/NDF: 10780036.3/47
Right: 0.000+/-0.000 χ²/NDF: 11235951.0/58
In: 0.000+/-0.000 χ²/NDF:8016669.2/49
Out: 0.000+/-0.000 χ²/NDF:16032894.9/56
All: 0.000+/-0.000 χ²/NDF: 27575795.9/106



Right In: 0.002+/-0.041 χ^2/NDF: 28.1/26

Left Out: -0.061+/-0.084 χ^2/NDF:30.8/24

Right Out: 0.003+/-0.038 χ^2/NDF: 41.1/31

Left In: -0.084+/-0.081 χ^2/NDF:27.0/22

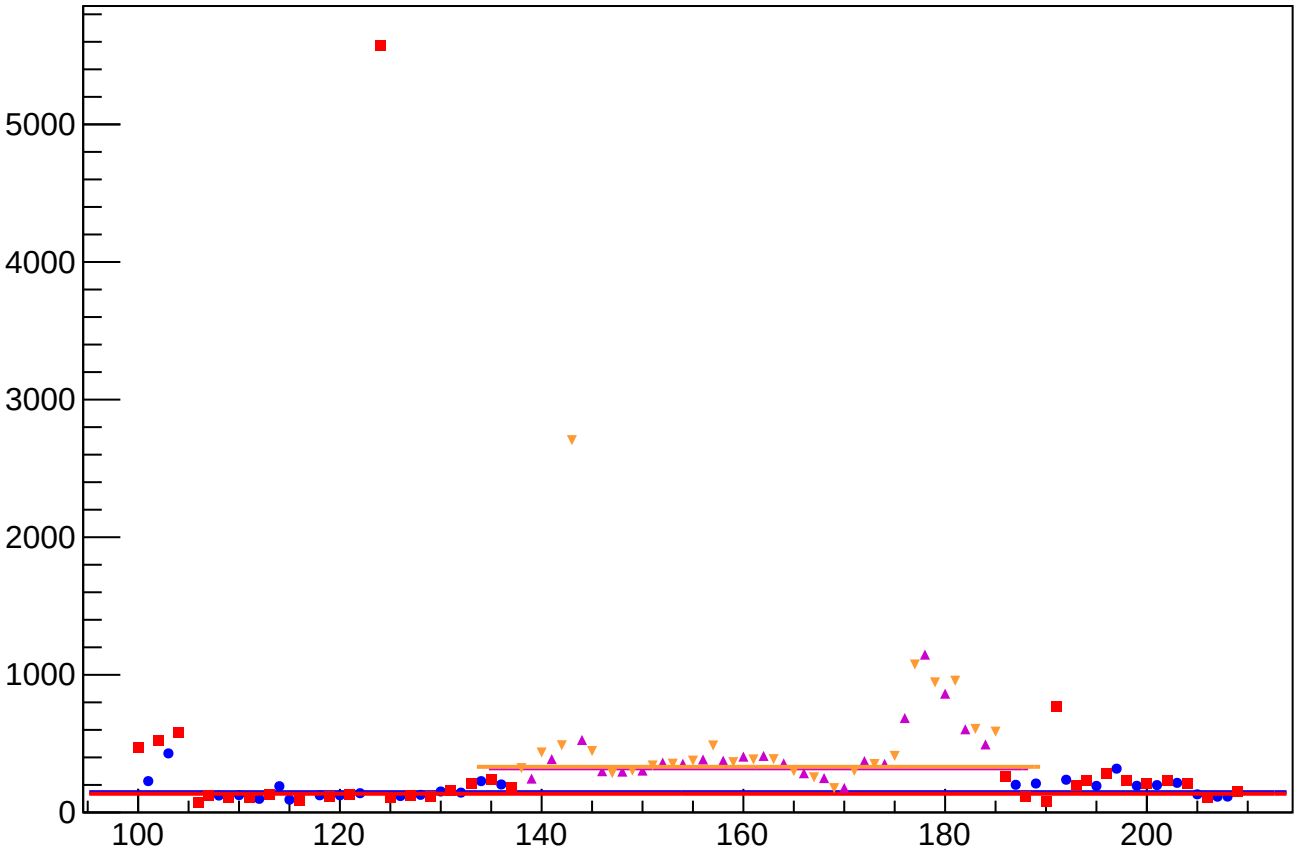
Left: -0.073+/-0.058 χ^2/NDF: 57.8/47

Right: 0.003+/-0.028 χ^2/NDF: 69.2/58

In: -0.015+/-0.036 χ^2/NDF:56.0/49

Out: -0.007+/-0.034 χ^2/NDF:72.4/56

All: -0.011+/-0.025 χ^2/NDF: 128.4/106



Right In: 147.504+/-0.029 χ^2/NDF: 2844501.2/26

Left Out: 331.651+/-0.059 χ^2/NDF:5838206.4/24

Right Out: 135.876+/-0.027 χ^2/NDF: 4922746.9/31

Left In: 320.746+/-0.057 χ^2/NDF:4248172.2/22

Left: 326.030+/-0.041 χ^2/NDF: 10103882.3/47

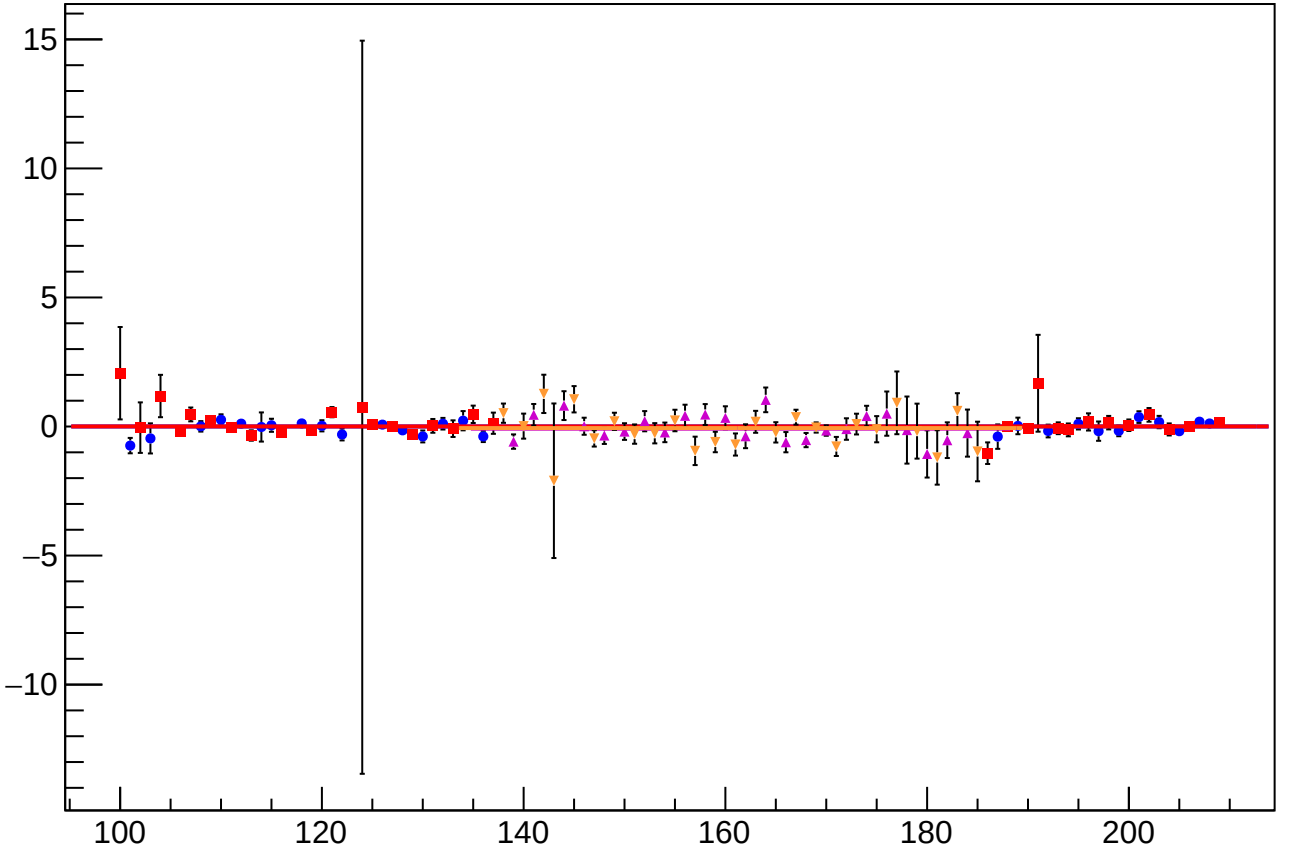
Right: 141.211+/-0.020 χ^2/NDF: 7854886.0/58

In: 182.554+/-0.026 χ^2/NDF:14364242.7/49

Out: 168.792+/-0.024 χ^2/NDF:19864768.6/56

All: 175.249+/-0.018 χ^2/NDF: 34379932.3/10

asym_atr1l2_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.002+/-0.041 χ^2/NDF: 28.1/26

Left Out: -0.061+/-0.084 χ^2/NDF:30.8/24

Right Out: 0.003+/-0.038 χ^2/NDF: 41.1/31

Left In: -0.084+/-0.081 χ^2/NDF:27.0/22

Left: -0.073+/-0.058 χ^2/NDF: 57.8/47

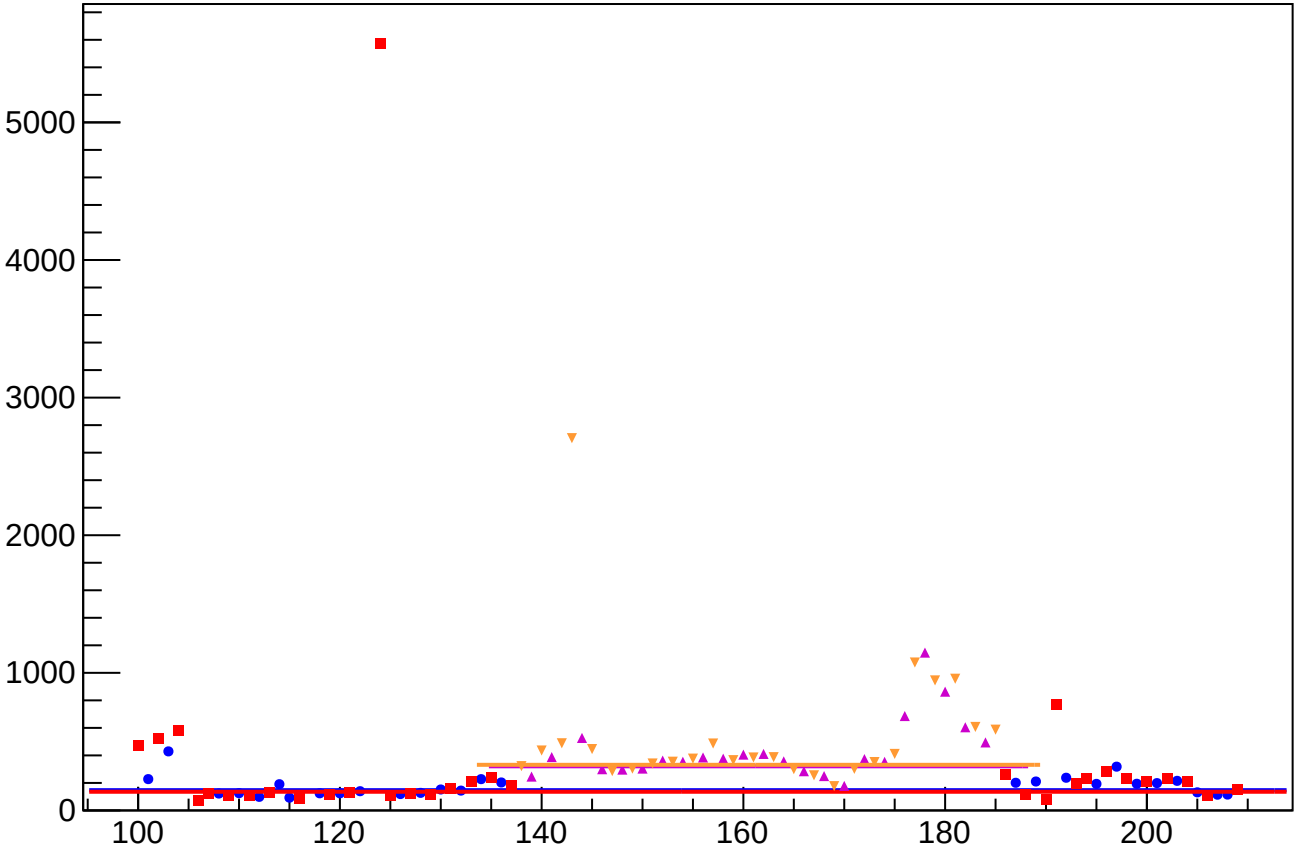
Right: 0.003+/-0.028 χ^2/NDF: 69.2/58

In: -0.015+/-0.036 χ^2/NDF:56.0/49

Out: -0.007+/-0.034 χ^2/NDF:72.4/56

All: -0.011+/-0.025 χ^2/NDF: 128.4/106

asym_atr1l2_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 147.504+/-0.029 χ^2/NDF: 2844501.2/26

Left Out: 331.651+/-0.059 χ^2/NDF:5838206.4/24

Right Out: 135.876+/-0.027 χ^2/NDF: 4922746.9/31

Left In: 320.746+/-0.057 χ^2/NDF:4248172.2/22

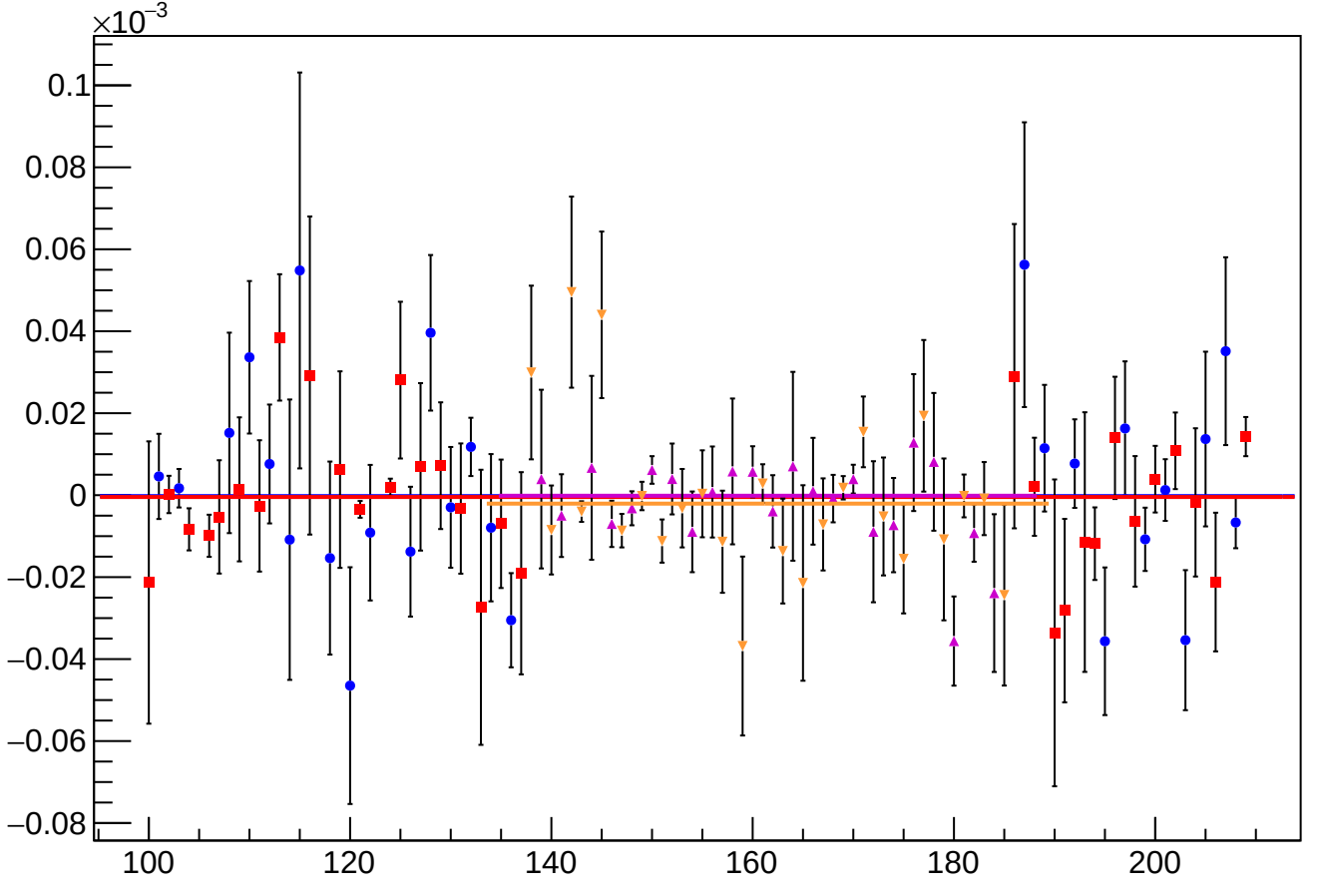
Left: 326.030+/-0.041 χ^2/NDF: 10103882.3/47

Right: 141.211+/-0.020 χ^2/NDF: 7854886.0/58

In: 182.554+/-0.026 χ^2/NDF:14364242.7/49

Out: 168.792+/-0.024 χ^2/NDF:19864768.6/56

All: 175.249+/-0.018 χ^2/NDF: 34379932.3/10



Right In: -0.000+/-0.000 χ^2/NDF: 42.8/26

Left Out: -0.000+/-0.000 χ^2/NDF:34.8/24

Right Out: -0.000+/-0.000 χ^2/NDF: 39.5/31

Left In: -0.000+/-0.000 χ^2/NDF:24.9/22

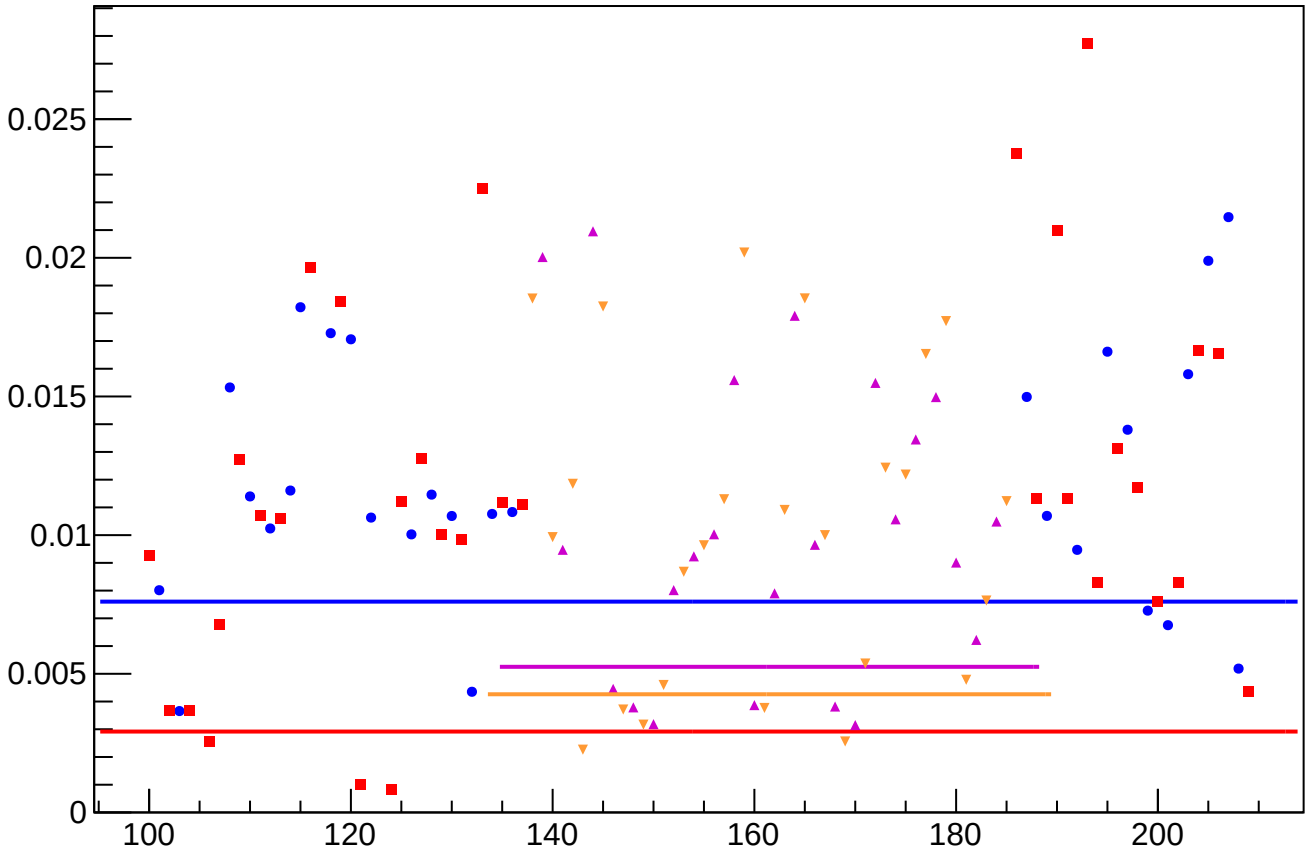
Left: -0.000+/-0.000 χ^2/NDF: 60.6/47

Right: -0.000+/-0.000 χ^2/NDF: 82.3/58

In: -0.000+/-0.000 χ^2/NDF:67.7/49

Out: -0.000+/-0.000 χ^2/NDF:75.2/56

All: -0.000+/-0.000 χ^2/NDF: 143.3/106



Right In: 0.008+/-0.000 χ^2/NDF: 6560366.8/26

Left Out: 0.004+/-0.000 χ^2/NDF:12968514.8/24

Right Out: 0.003+/-0.000 χ^2/NDF: 19841050.8/31

Left In: 0.005+/-0.000 χ^2/NDF:9531217.7/22

Left: 0.005+/-0.000 χ^2/NDF: 23007822.3/47

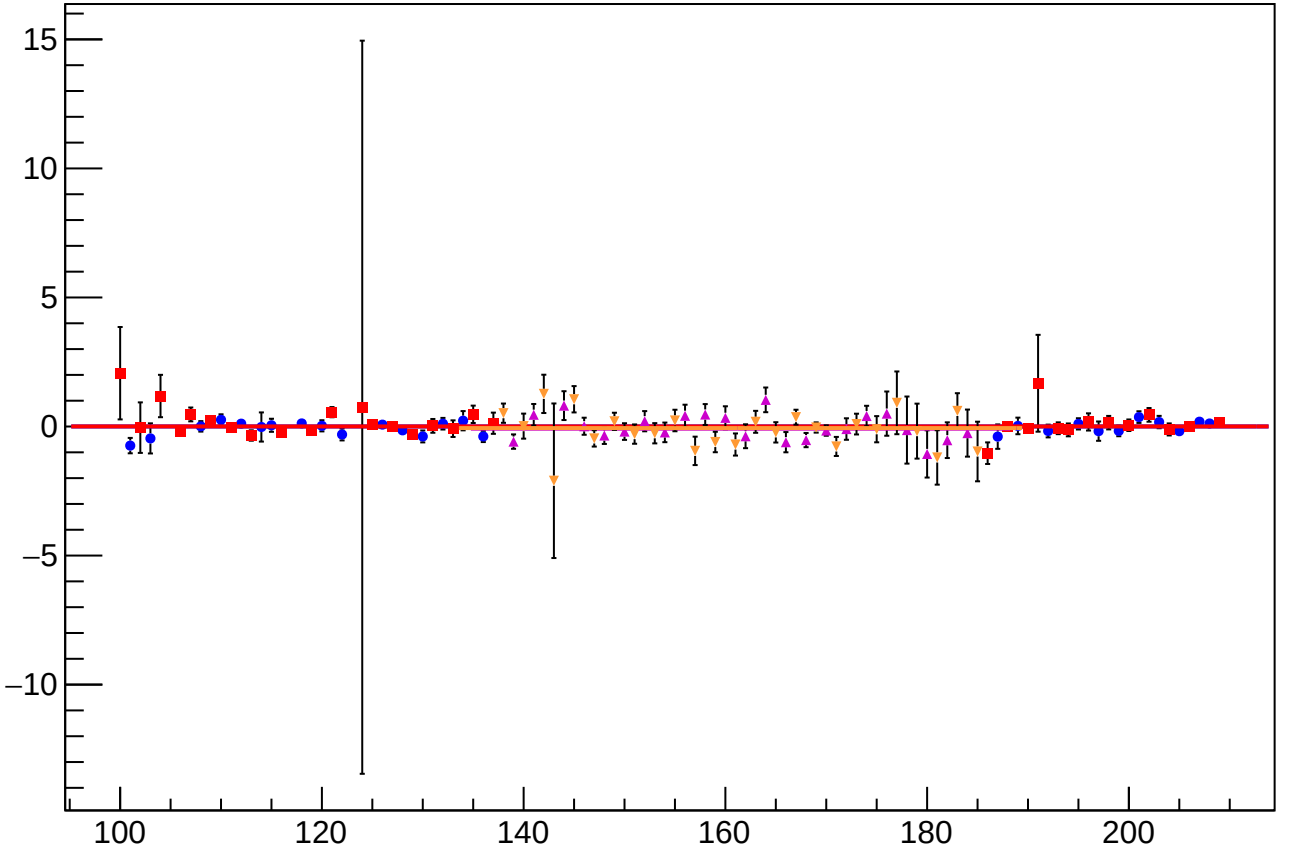
Right: 0.004+/-0.000 χ^2/NDF: 33353883.1/58

In: 0.006+/-0.000 χ^2/NDF:17610761.2/49

Out: 0.004+/-0.000 χ^2/NDF:34057989.3/56

All: 0.004+/-0.000 χ^2/NDF: 56919352.8/106

asym_atr1l2_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.002+/-0.041 χ^2/NDF: 28.1/26

Left Out: -0.061+/-0.084 χ^2/NDF:30.8/24

Right Out: 0.003+/-0.038 χ^2/NDF: 41.1/31

Left In: -0.084+/-0.081 χ^2/NDF:27.0/22

Left: -0.073+/-0.058 χ^2/NDF: 57.8/47

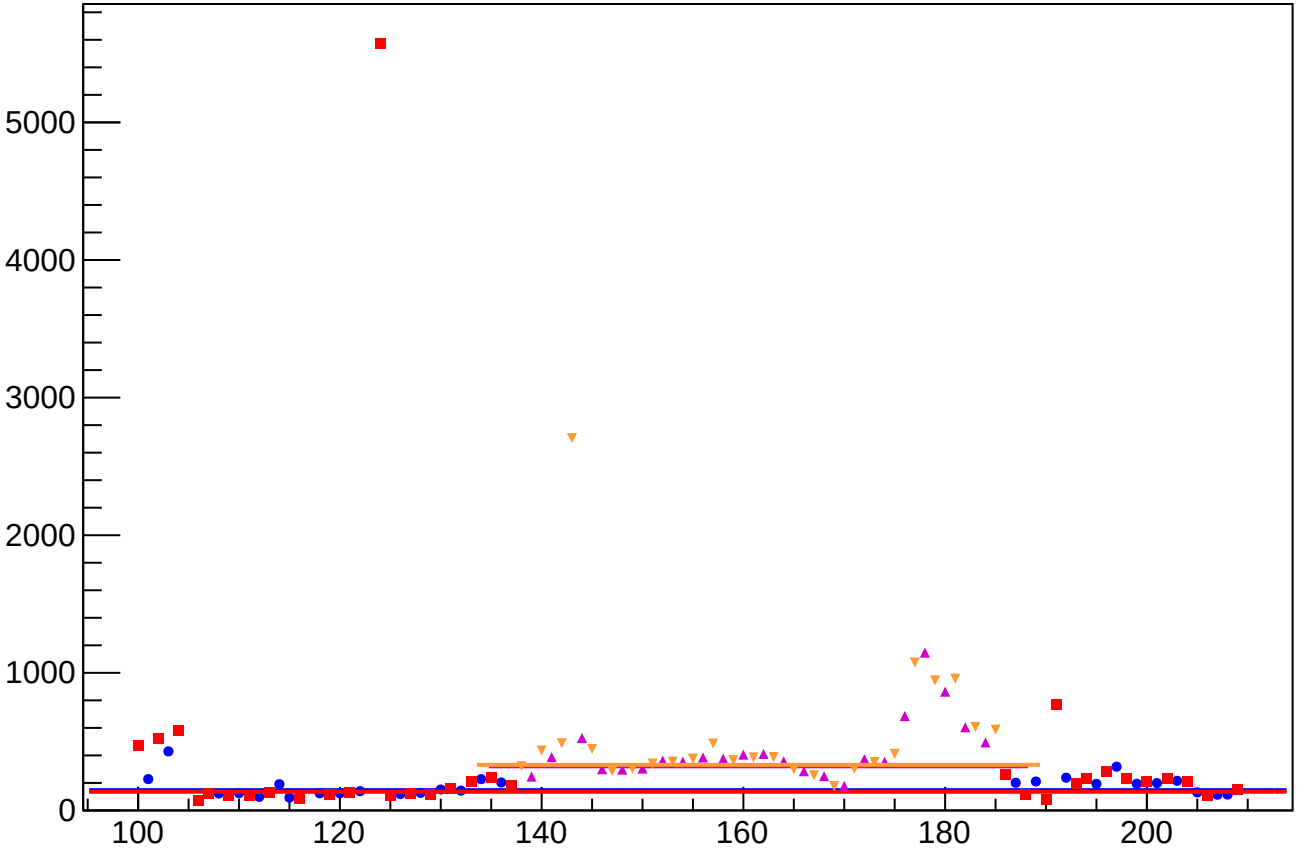
Right: 0.003+/-0.028 χ^2/NDF: 69.2/58

In: -0.015+/-0.036 χ^2/NDF:56.0/49

Out: -0.007+/-0.034 χ^2/NDF:72.4/56

All: -0.011+/-0.025 χ^2/NDF: 128.4/106

asym_atr1l2_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 147.504+/-0.029 χ^2/NDF: 2844476.3/26

Left Out: 331.653+/-0.059 χ^2/NDF:5838264.0/24

Right Out: 135.875+/-0.027 χ^2/NDF: 4922793.3/31

Left In: 320.749+/-0.057 χ^2/NDF:4248171.3/22

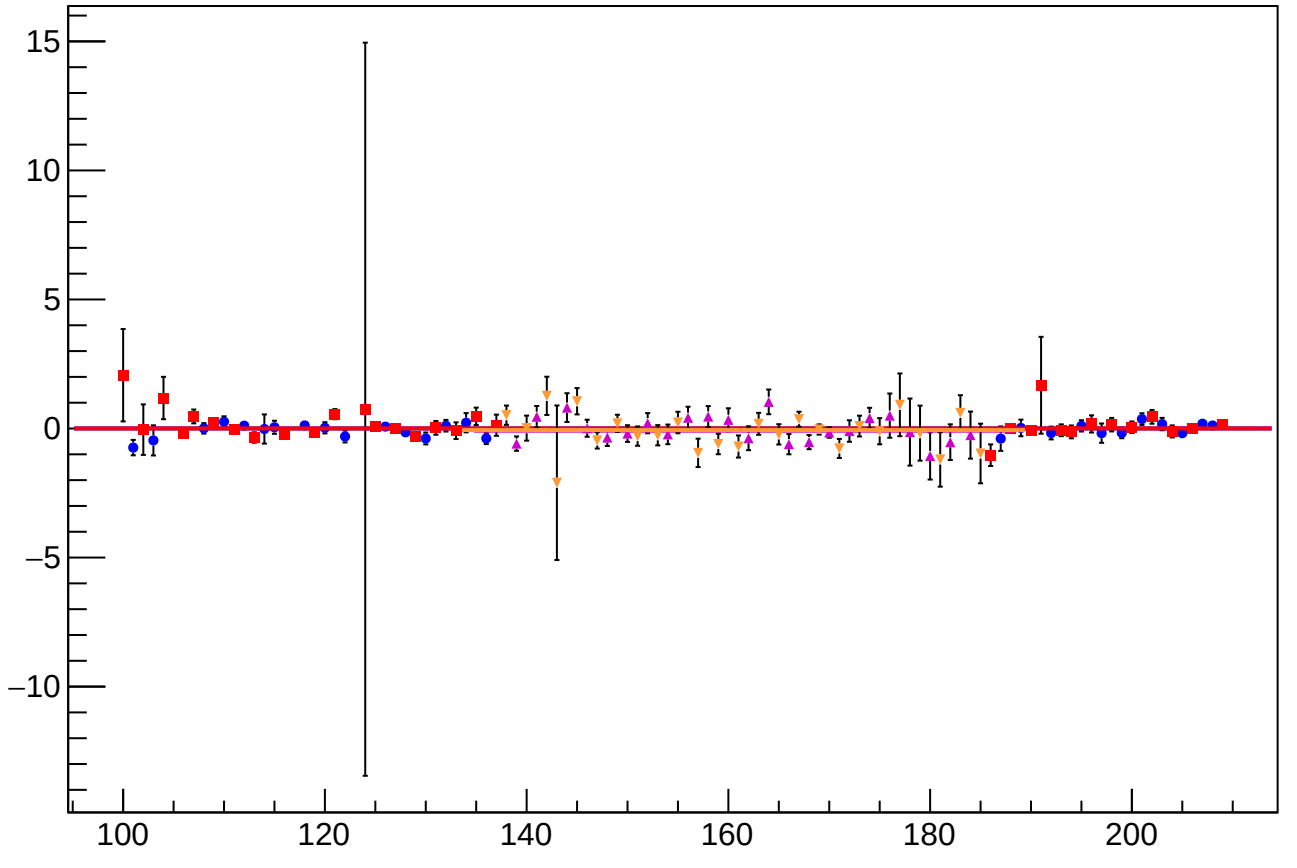
Left: 326.033+/-0.041 χ^2/NDF: 10103935.7/47

Right: 141.210+/-0.020 χ^2/NDF: 7854920.4/58

In: 182.554+/-0.026 χ^2/NDF:14364337.4/49

Out: 168.791+/-0.024 χ^2/NDF:19865027.0/56

All: 175.249+/-0.018 χ^2/NDF: 34380306.9/10



Right In: 0.002+/-0.041 χ^2/NDF: 28.1/26

Left Out: -0.061+/-0.084 χ^2/NDF:30.8/24

Right Out: 0.003+/-0.038 χ^2/NDF: 41.1/31

Left In: -0.084+/-0.081 χ^2/NDF:27.0/22

Left: -0.073+/-0.058 χ^2/NDF: 57.8/47

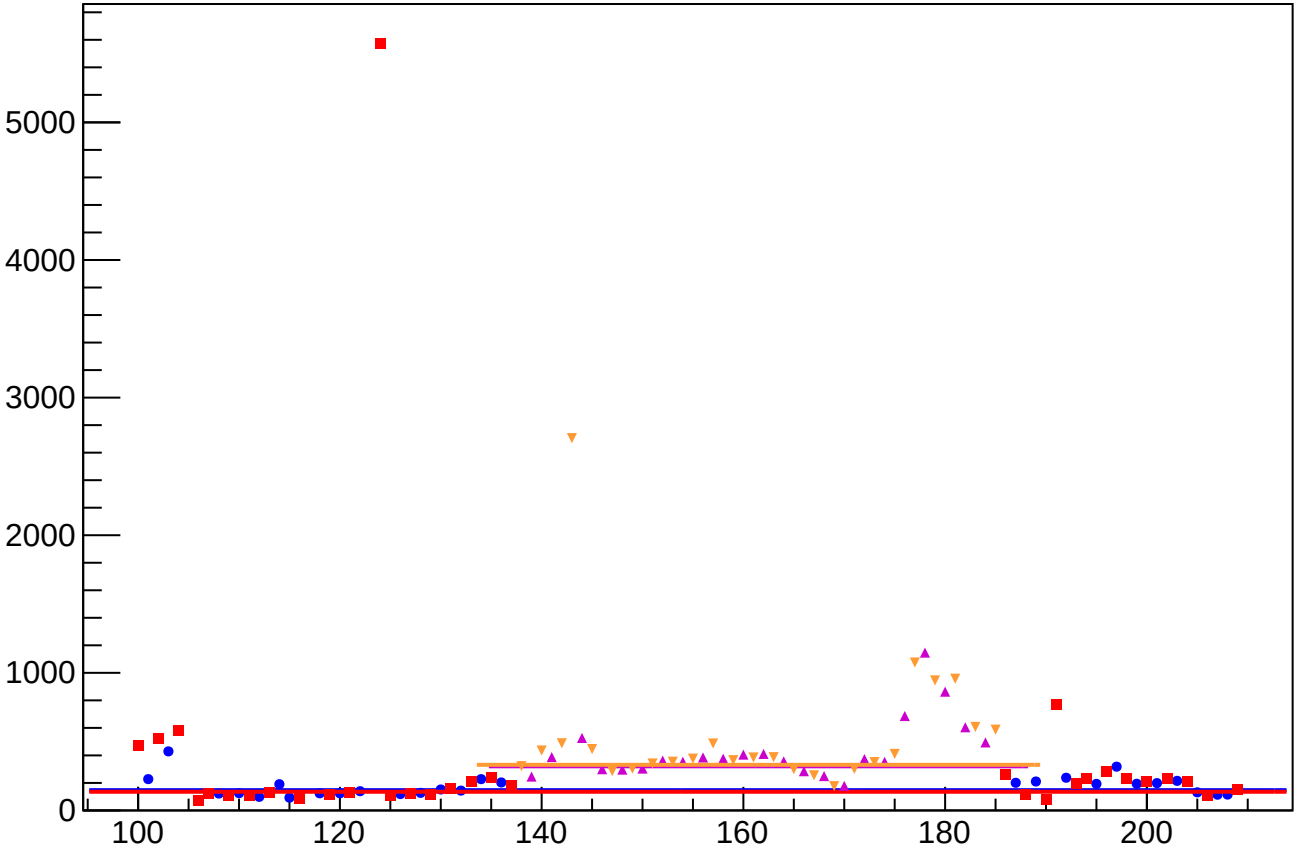
Right: 0.003+/-0.028 χ^2/NDF: 69.2/58

In: -0.015+/-0.036 χ^2/NDF:56.0/49

Out: -0.007+/-0.034 χ^2/NDF:72.4/56

All: -0.011+/-0.025 χ^2/NDF: 128.4/106

asym_atr1l2_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 147.504+/-0.029 χ^2/NDF: 2844476.3/26

Left Out: 331.653+/-0.059 χ^2/NDF:5838264.0/24

Right Out: 135.875+/-0.027 χ^2/NDF: 4922793.3/31

Left In: 320.749+/-0.057 χ^2/NDF:4248171.3/22

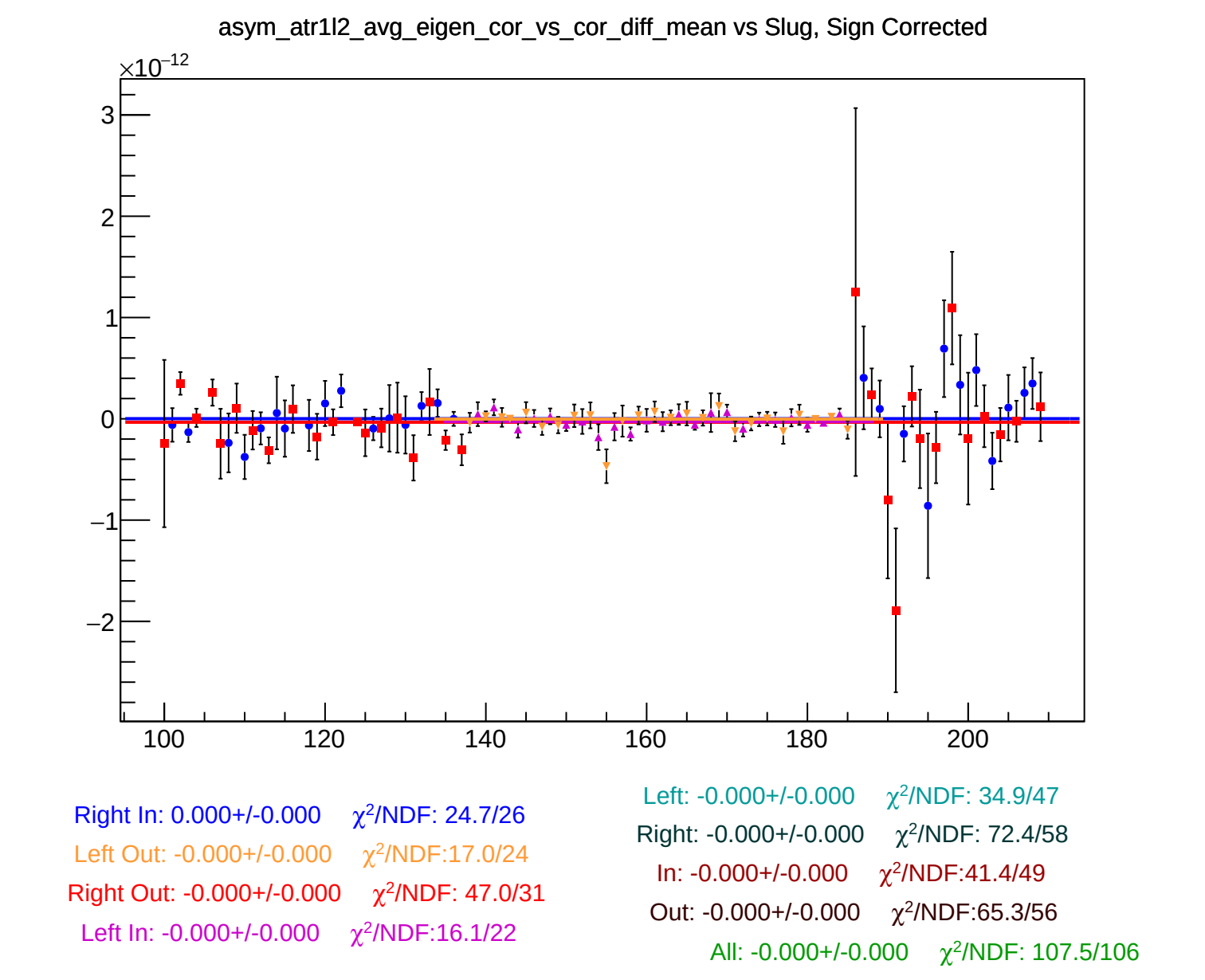
Left: 326.033+/-0.041 χ^2/NDF: 10103935.7/47

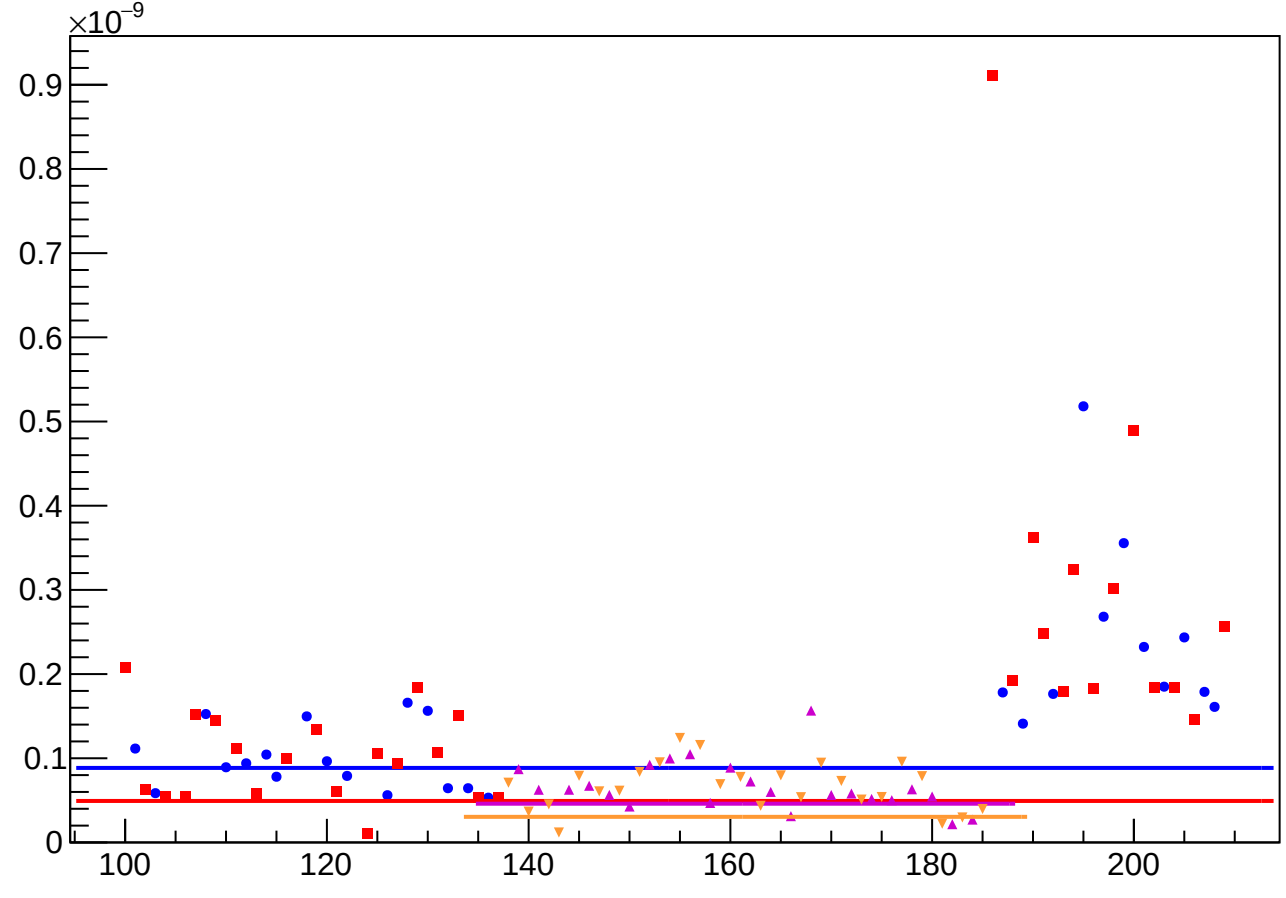
Right: 141.210+/-0.020 χ^2/NDF: 7854920.4/58

In: 182.554+/-0.026 χ^2/NDF:14364337.4/49

Out: 168.791+/-0.024 χ^2/NDF:19865027.0/56

All: 175.249+/-0.018 χ^2/NDF: 34380306.9/10


asym_atr1l2_avg_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
3
2
1
0
−1
−2
100
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 24.7/26
Left Out: -0.000+/-0.000 χ²/NDF:17.0/24
Right Out: -0.000+/-0.000 χ²/NDF: 47.0/31
Left In: -0.000+/-0.000 χ²/NDF:16.1/22
Left: -0.000+/-0.000 χ²/NDF: 34.9/47
Right: -0.000+/-0.000 χ²/NDF: 72.4/58
In: -0.000+/-0.000 χ²/NDF:41.4/49
Out: -0.000+/-0.000 χ²/NDF:65.3/56
All: -0.000+/-0.000 χ²/NDF: 107.5/106



Right In: 0.000+/-0.000 χ^2/NDF: 4883198.4/26

Left Out: 0.000+/-0.000 χ^2/NDF:10517831.9/24

Right Out: 0.000+/-0.000 χ^2/NDF: 10881956.4/31

Left In: 0.000+/-0.000 χ^2/NDF:4899715.4/22

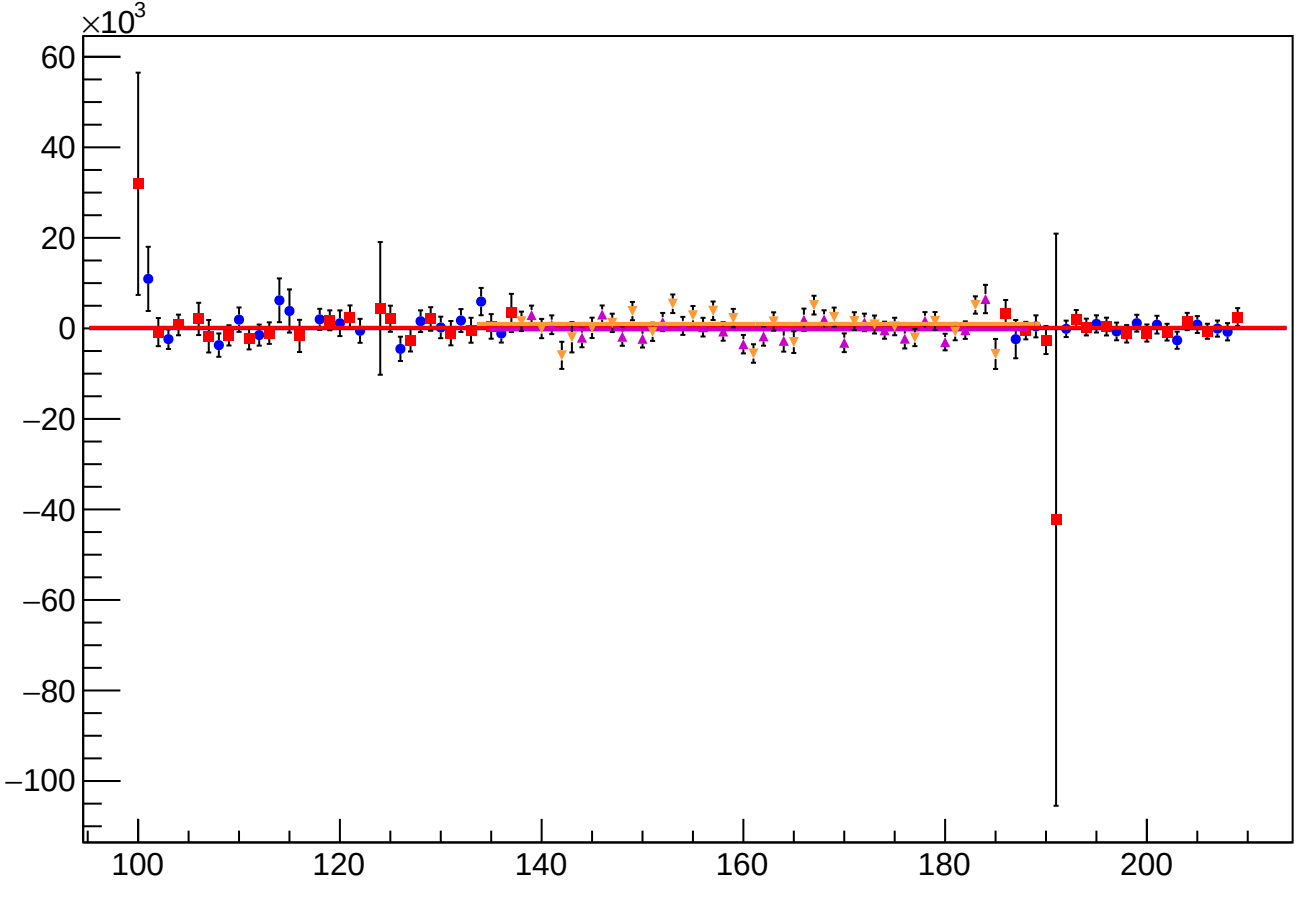
Left: 0.000+/-0.000 χ^2/NDF: 16912386.2/47

Right: 0.000+/-0.000 χ^2/NDF: 17458560.7/58

In: 0.000+/-0.000 χ^2/NDF:12323473.2/49

Out: 0.000+/-0.000 χ^2/NDF:22388081.7/56

All: 0.000+/-0.000 χ^2/NDF: 37275820.2/106



Right In: 34.777+/-446.187 χ^2/NDF: 21.3/26

Left Out: 1004.165+/-422.582 χ^2/NDF:47.4/24

Right Out: 136.812+/-432.943 χ^2/NDF: 15.6/31

Left In: -229.321+/-429.699 χ^2/NDF:26.4/22

Left: 397.721+/-301.295 χ^2/NDF: 77.9/47

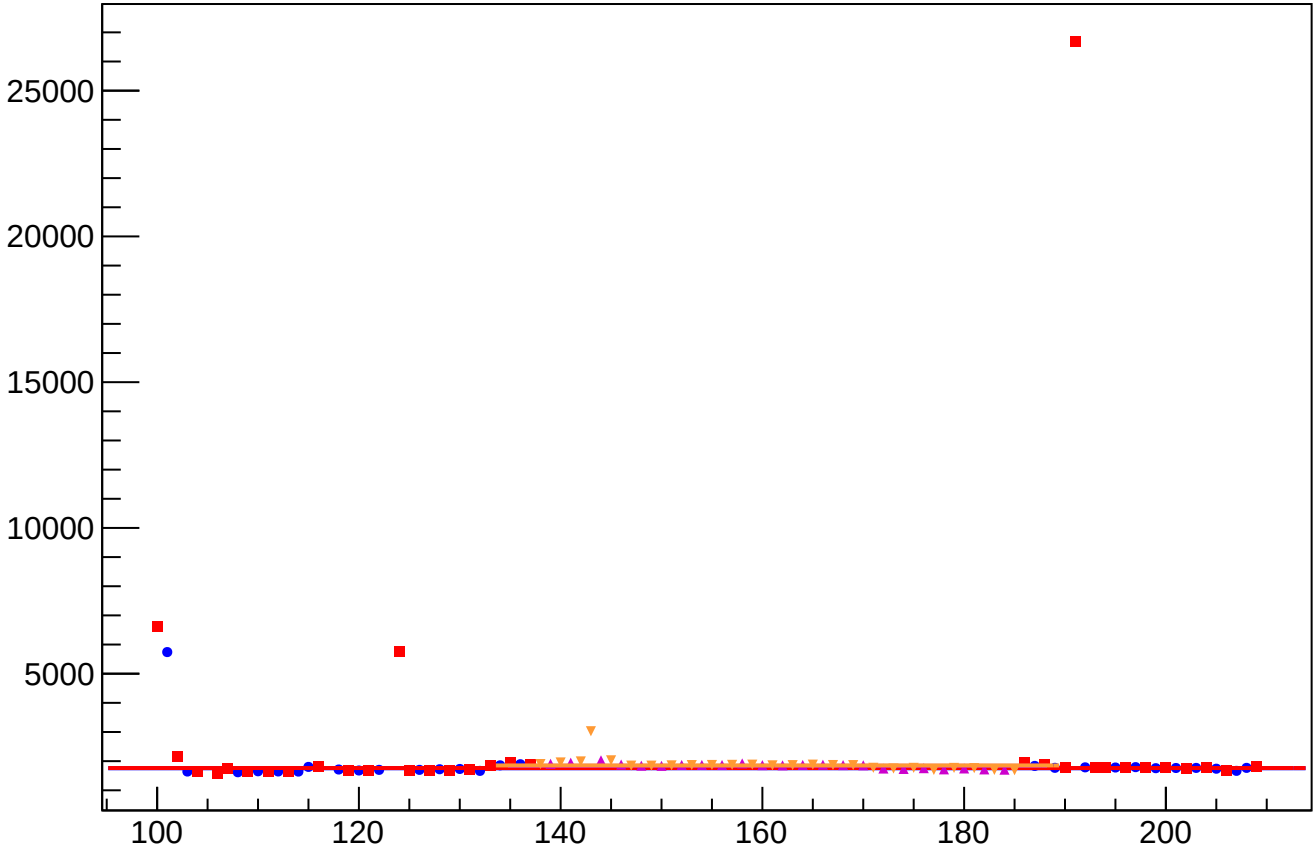
Right: 87.331+/-310.714 χ^2/NDF: 36.9/58

In: -102.242+/-309.508 χ^2/NDF:47.9/49

Out: 580.991+/-302.407 χ^2/NDF:65.0/56

All: 247.301+/-216.301 χ^2/NDF: 115.3/106

reg_asym_atr1l2_dd_rms vs Slug, Sign Corrected



Right In: 1755.594+/-0.316 χ^2/NDF: 677639.0/26

Left Out: 1852.534+/-0.299 χ^2/NDF:321038.9/24

Right Out: 1763.962+/-0.305 χ^2/NDF: 645741.1/31

Left In: 1838.528+/-0.304 χ^2/NDF:68478.0/22

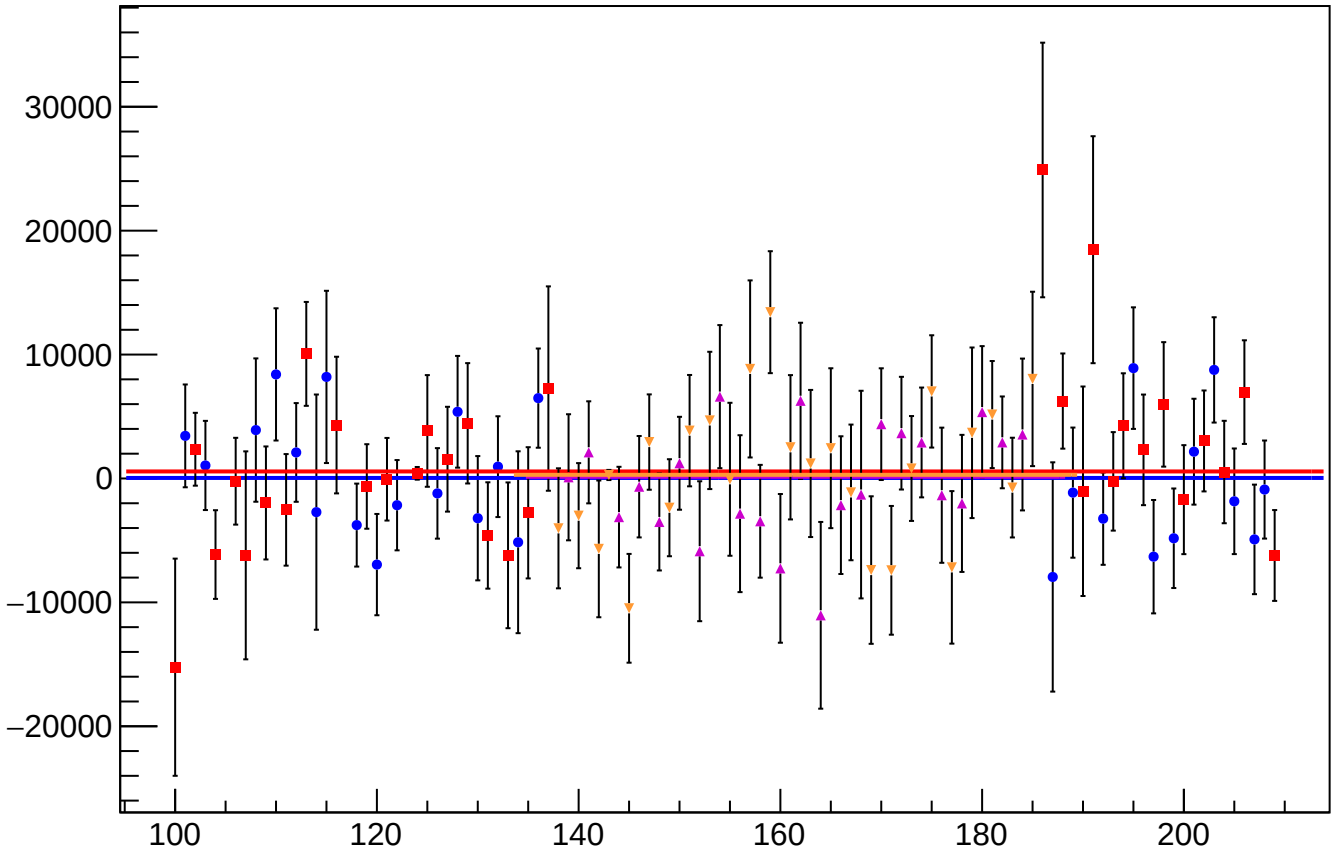
Left: 1845.648+/-0.213 χ^2/NDF: 390597.1/47

Right: 1759.918+/-0.219 χ^2/NDF: 1323743.6/58

In: 1798.622+/-0.219 χ^2/NDF:781965.9/49

Out: 1809.178+/-0.213 χ^2/NDF:1009788.5/56

All: 1804.030+/-0.153 χ^2/NDF: 1792946.4/10



Right In: 42.417+/-852.436 χ^2/NDF: 29.2/26

Left Out: 294.407+/-379.922 χ^2/NDF:30.0/24

Right Out: 567.197+/-431.033 χ^2/NDF: 39.7/31

Left In: 138.350+/-1022.943 χ^2/NDF:13.9/22

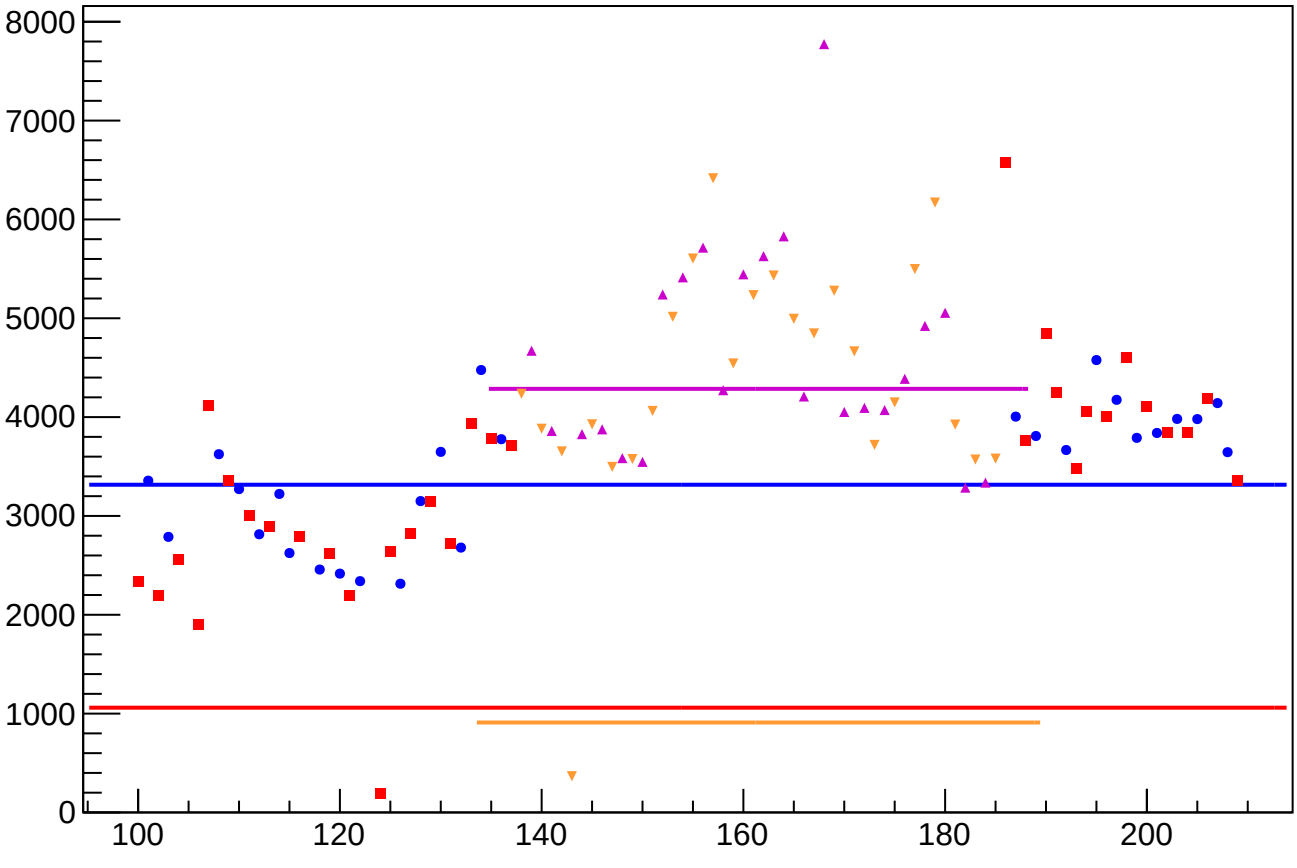
Left: 275.490+/-356.152 χ^2/NDF: 43.9/47

Right: 460.342+/-384.654 χ^2/NDF: 69.2/58

In: 81.733+/-654.864 χ^2/NDF:43.1/49

Out: 413.677+/-285.011 χ^2/NDF:69.9/56

All: 360.814+/-261.333 χ^2/NDF: 113.3/106



Right In: 3315.720+/-0.603 χ^2/NDF: 1247813.1/26

Left Out: 910.135+/-0.269 χ^2/NDF:26774123.9/24

Right Out: 1060.105+/-0.305 χ^2/NDF: 21990614.7/31

Left In: 4285.839+/-0.723 χ^2/NDF:1327947.9/22

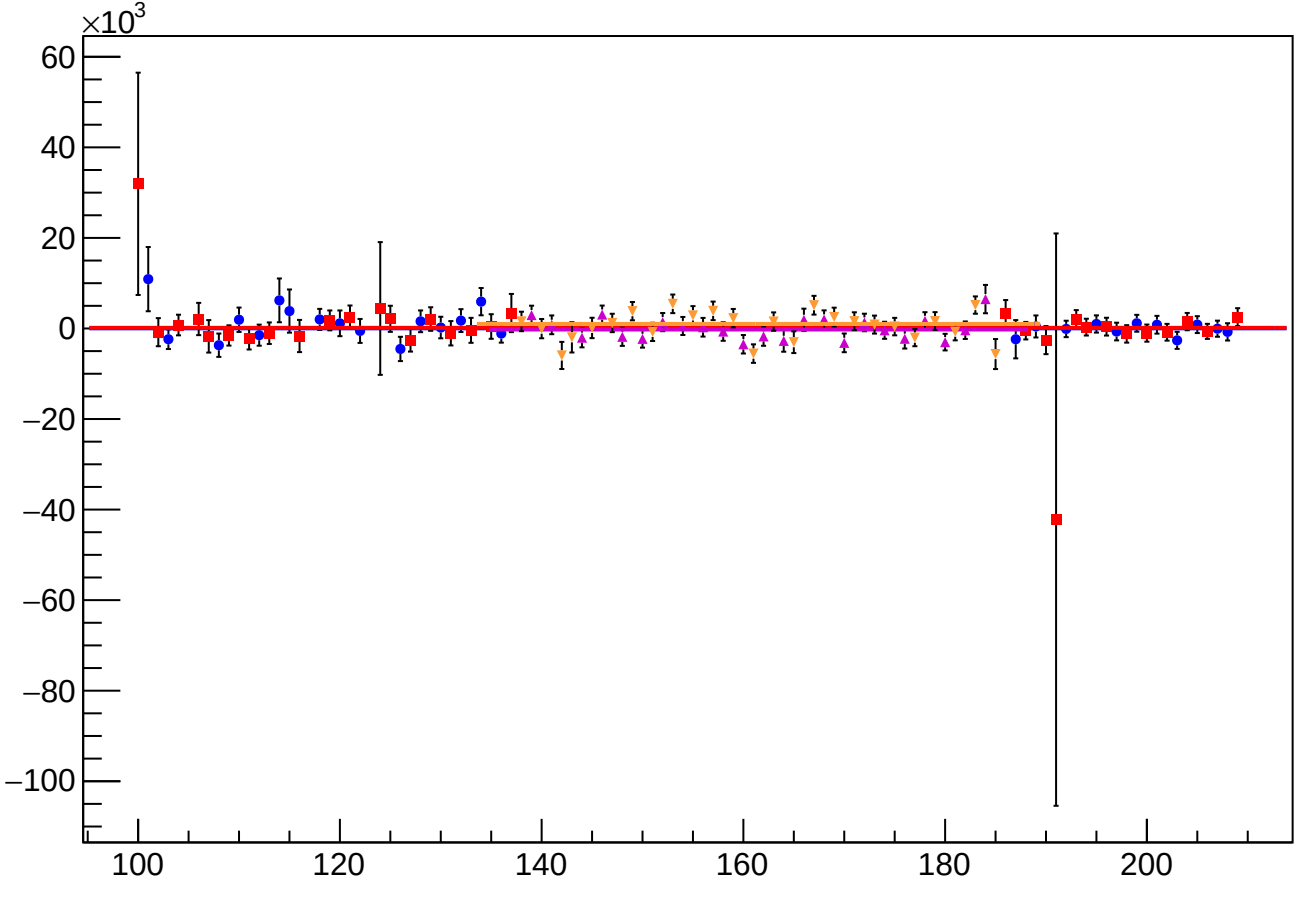
Left: 1319.331+/-0.252 χ^2/NDF: 47241855.7/47

Right: 1519.391+/-0.272 χ^2/NDF: 34390550.4/58

In: 3713.300+/-0.463 χ^2/NDF:3637351.1/49

Out: 975.706+/-0.202 χ^2/NDF:48900995.0/56

All: 1411.675+/-0.185 χ^2/NDF: 81923699.0/1



Right In: 34.632+/-446.187 χ^2/NDF: 21.3/26

Left Out: 1004.123+/-422.582 χ^2/NDF:47.4/24

Right Out: 136.811+/-432.943 χ^2/NDF: 15.5/31

Left In: -229.236+/-429.699 χ^2/NDF:26.4/22

Left: 397.741+/-301.295 χ^2/NDF: 77.9/47

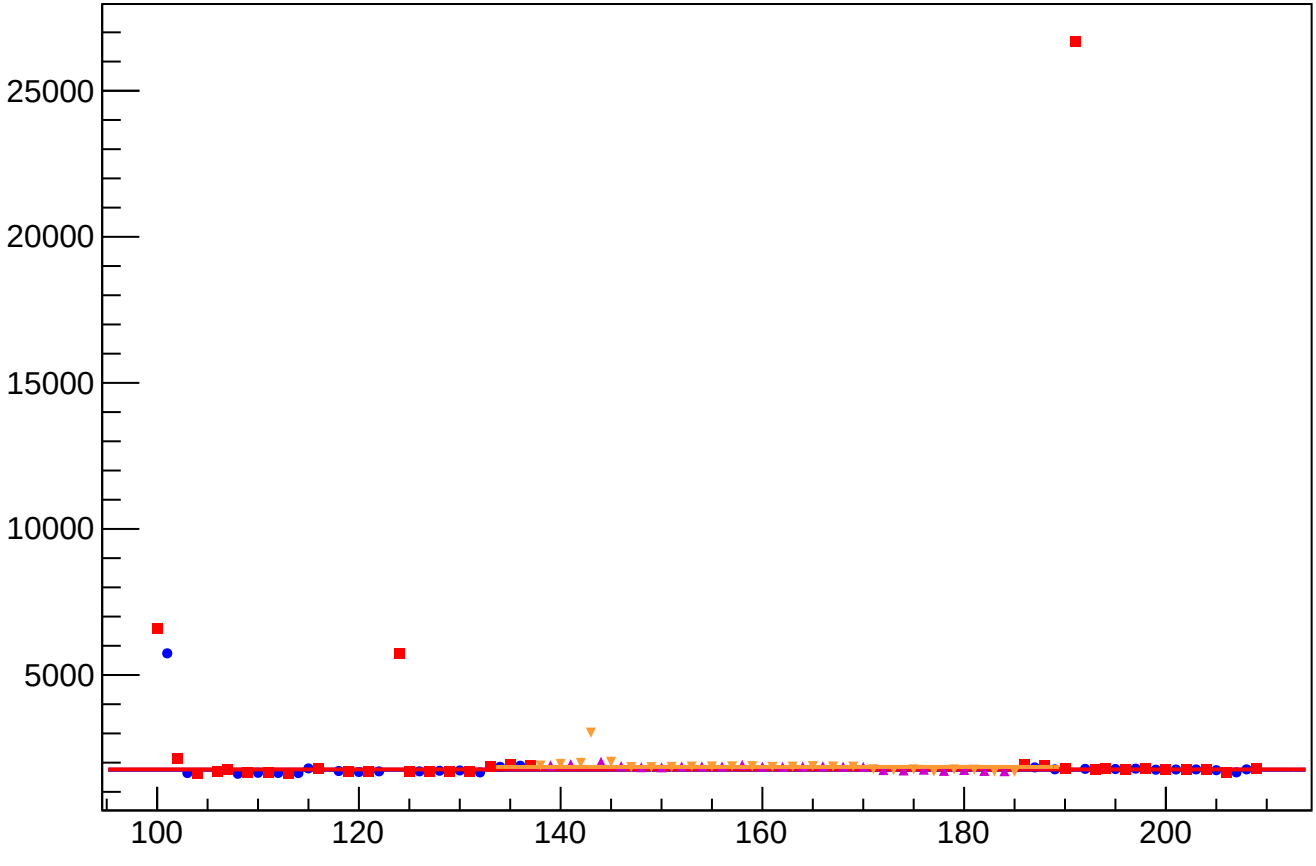
Right: 87.260+/-310.714 χ^2/NDF: 36.9/58

In: -102.268+/-309.508 χ^2/NDF:47.8/49

Out: 580.969+/-302.407 χ^2/NDF:65.0/56

All: 247.278+/-216.301 χ^2/NDF: 115.3/106

cor_asym_atr1l2_dd_rms vs Slug, Sign Corrected



Right In: 1755.594+/-0.316 χ^2/NDF: 677639.2/26

Left Out: 1852.534+/-0.299 χ^2/NDF:321038.9/24

Right Out: 1766.978+/-0.306 χ^2/NDF: 637717.2/31

Left In: 1838.528+/-0.304 χ^2/NDF:68478.0/22

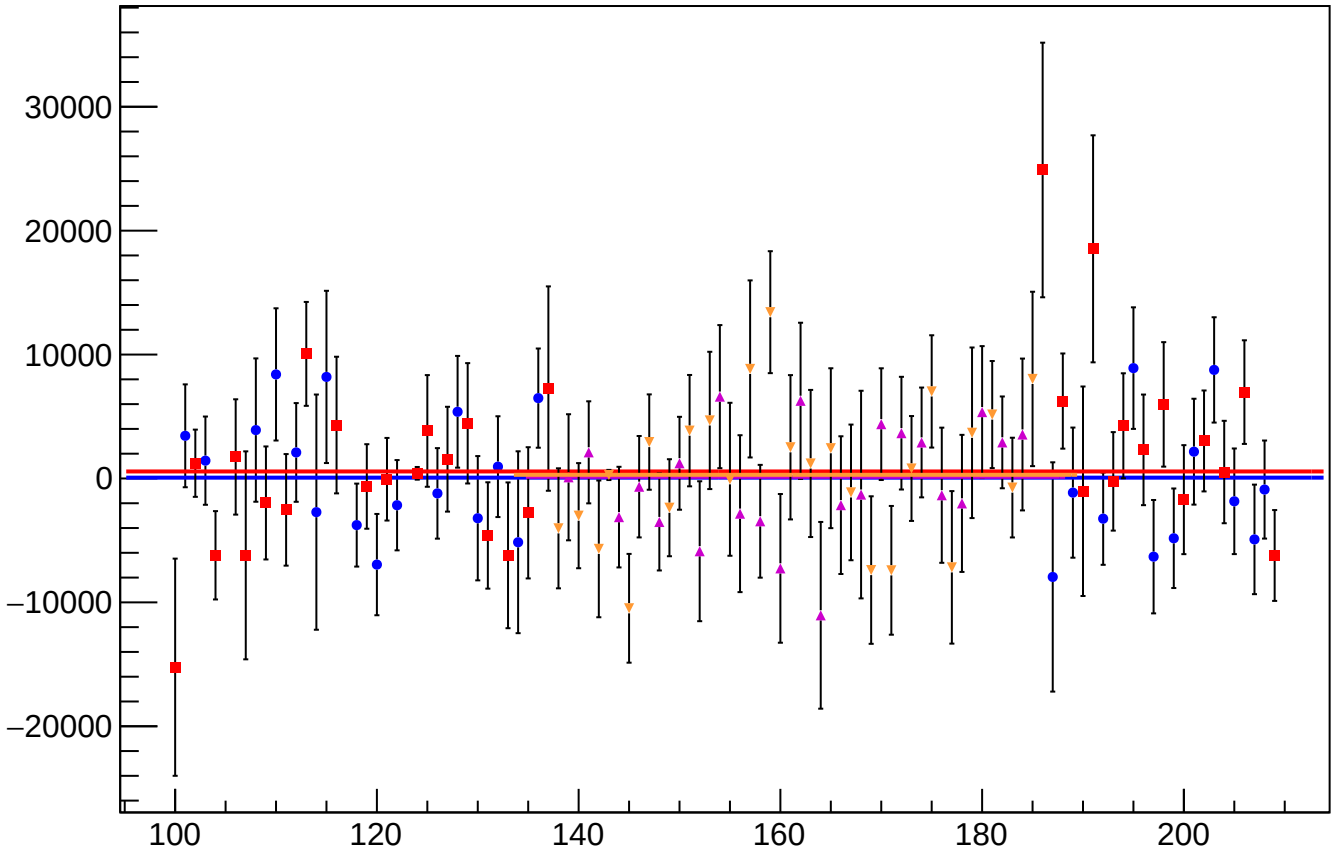
Left: 1845.648+/-0.213 χ^2/NDF: 390597.1/47

Right: 1761.467+/-0.220 χ^2/NDF: 1316028.1/58

In: 1798.622+/-0.219 χ^2/NDF:781966.2/49

Out: 1810.722+/-0.214 χ^2/NDF:998820.4/56

All: 1804.817+/-0.153 χ^2/NDF: 1782351.7/10



Right In: 65.724+/-851.954 χ^2/NDF: 29.3/26

Left Out: 295.308+/-379.951 χ^2/NDF:30.0/24

Right Out: 566.057+/-431.795 χ^2/NDF: 39.5/31

Left In: 138.272+/-1022.940 χ^2/NDF:13.9/22

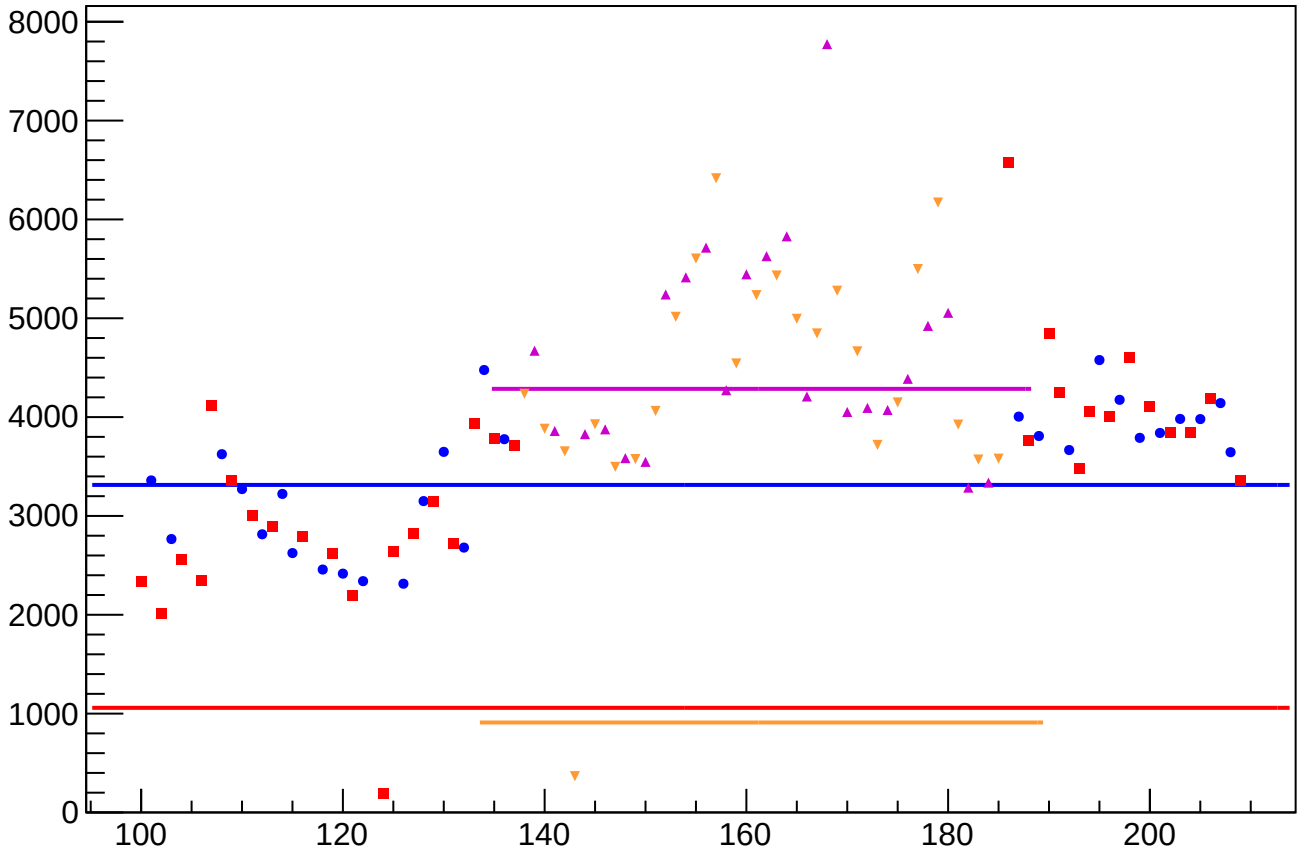
Left: 276.270+/-356.175 χ^2/NDF: 43.9/47

Right: 463.801+/-385.151 χ^2/NDF: 69.1/58

In: 95.436+/-654.645 χ^2/NDF:43.2/49

Out: 413.461+/-285.244 χ^2/NDF:69.7/56

All: 362.717+/-261.498 χ^2/NDF: 113.1/106



Right In: 3313.935+/-0.602 χ^2/NDF: 1252486.4/26

Left Out: 910.253+/-0.269 χ^2/NDF:26772969.1/24

Right Out: 1058.709+/-0.305 χ^2/NDF: 21963979.4/31

Left In: 4285.828+/-0.723 χ^2/NDF:1327963.4/22

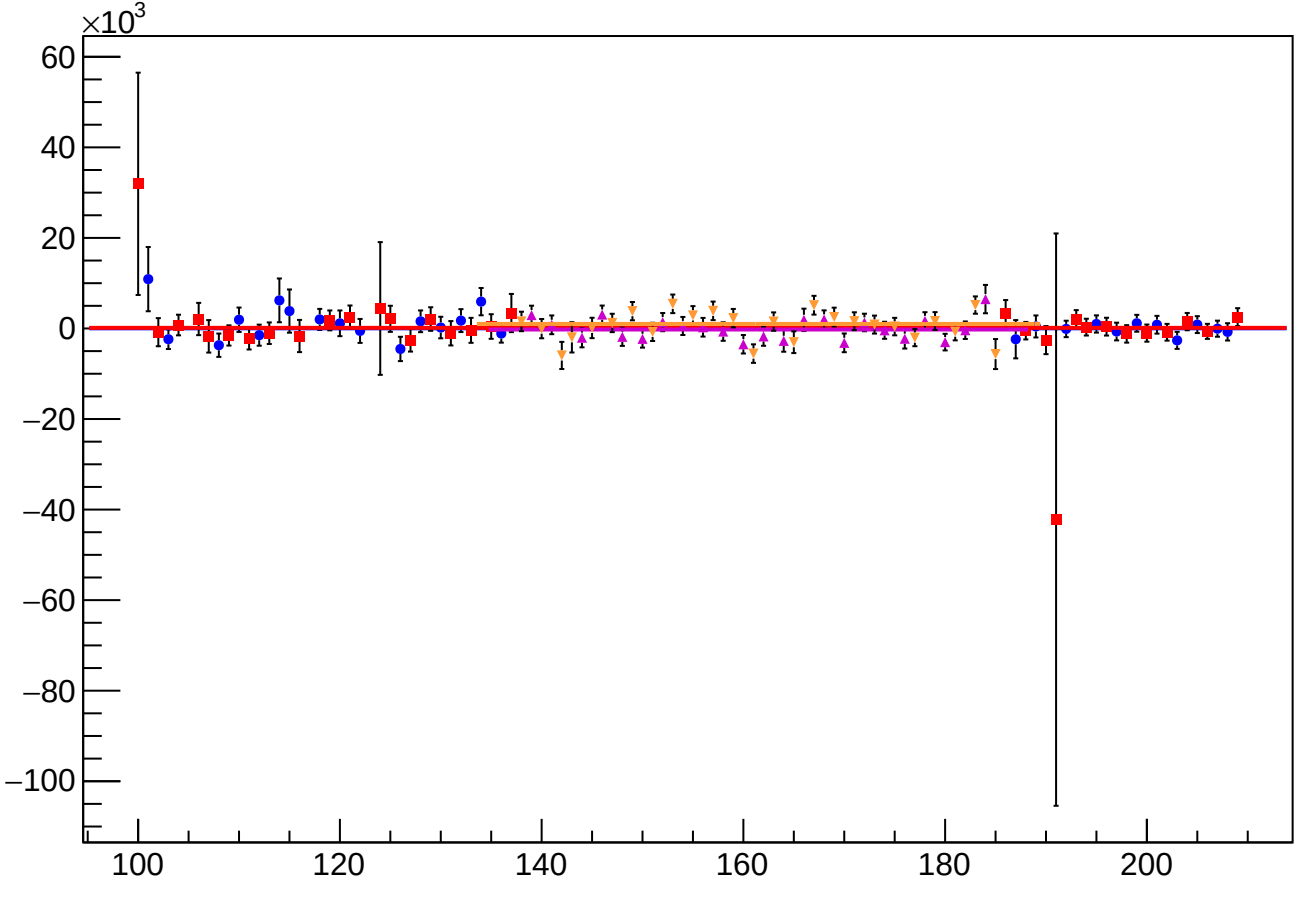
Left: 1319.491+/-0.252 χ^2/NDF: 47238971.3/47

Right: 1519.624+/-0.272 χ^2/NDF: 34366753.2/58

In: 3711.977+/-0.463 χ^2/NDF:3646422.5/49

Out: 975.038+/-0.202 χ^2/NDF:48870190.8/56

All: 1411.747+/-0.185 χ^2/NDF: 81896806.7/1



Right In: 34.632+/-446.187 χ^2/NDF: 21.3/26

Left Out: 1004.123+/-422.582 χ^2/NDF:47.4/24

Right Out: 136.811+/-432.943 χ^2/NDF: 15.5/31

Left In: -229.236+/-429.699 χ^2/NDF:26.4/22

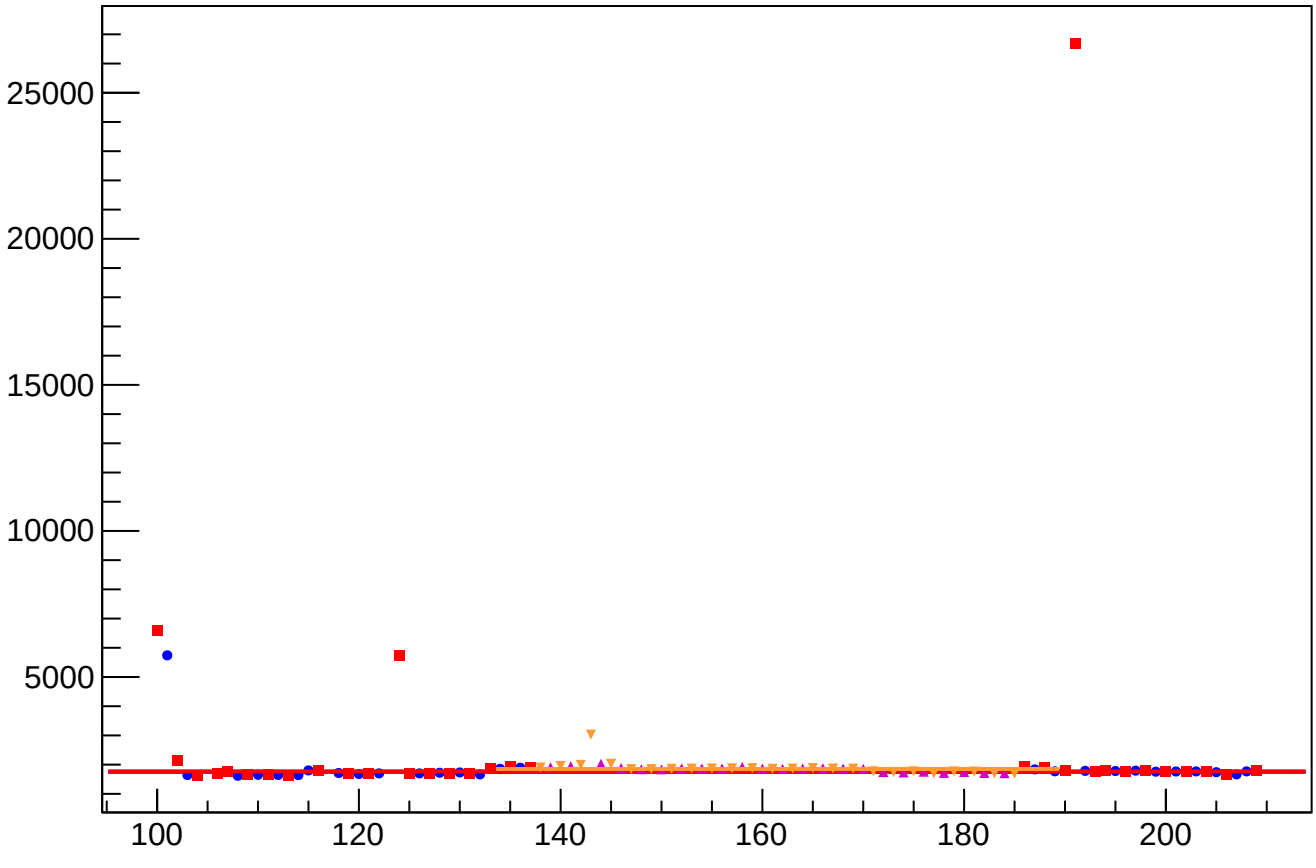
Left: 397.741+/-301.295 χ^2/NDF: 77.9/47

Right: 87.260+/-310.714 χ^2/NDF: 36.9/58

In: -102.268+/-309.508 χ^2/NDF:47.8/49

Out: 580.969+/-302.407 χ^2/NDF:65.0/56

All: 247.278+/-216.301 χ^2/NDF: 115.3/106



Right In: 1755.594+/-0.316 χ^2/NDF: 677639.2/26

Left Out: 1852.534+/-0.299 χ^2/NDF:321038.9/24

Right Out: 1766.978+/-0.306 χ^2/NDF: 637717.2/31

Left In: 1838.528+/-0.304 χ^2/NDF:68478.0/22

Left: 1845.648+/-0.213 χ^2/NDF: 390597.1/47

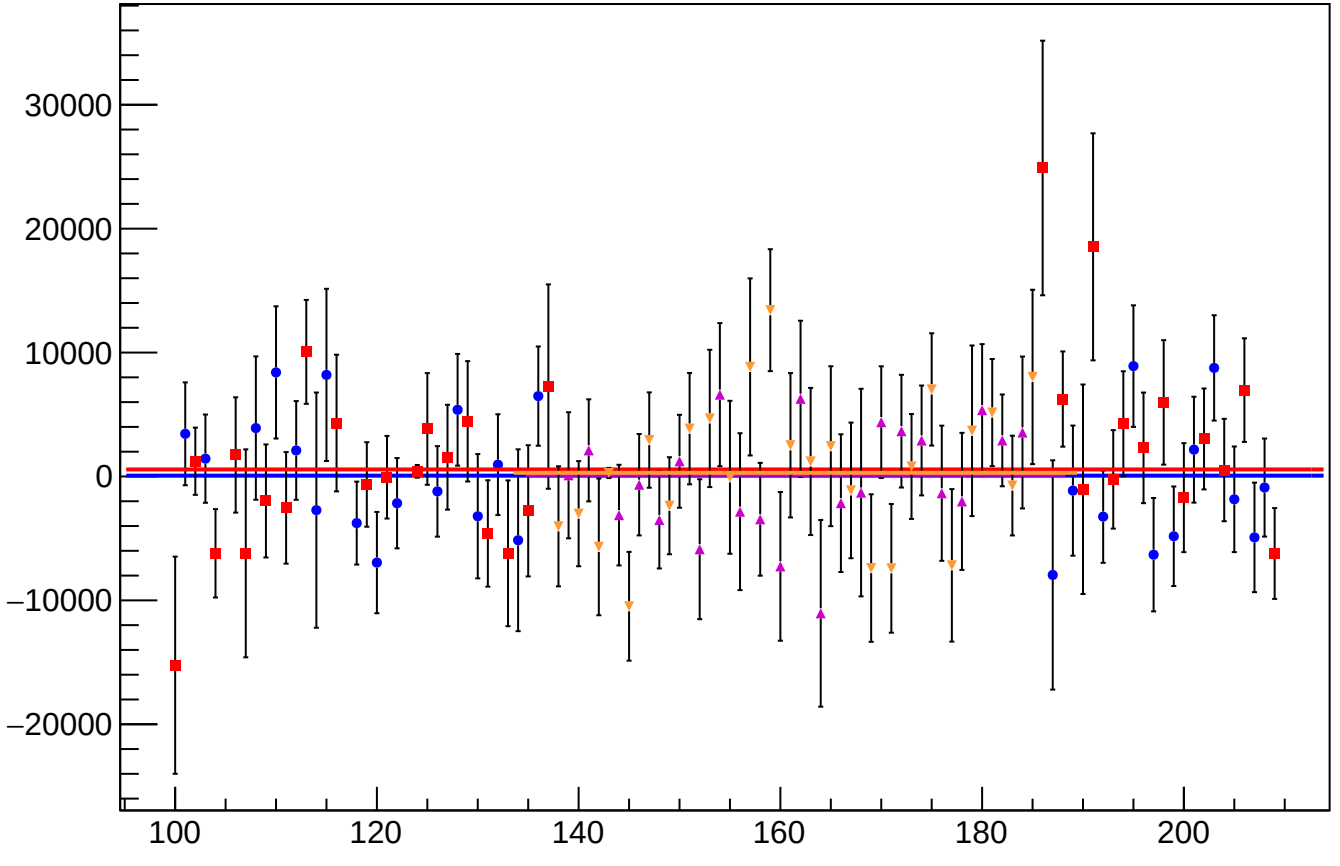
Right: 1761.467+/-0.220 χ^2/NDF: 1316028.1/58

In: 1798.622+/-0.219 χ^2/NDF:781966.2/49

Out: 1810.722+/-0.214 χ^2/NDF:998820.4/56

All: 1804.817+/-0.153 χ^2/NDF: 1782351.7/10

asym_atr1l2_dd_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: 65.724+/-851.954 χ^2/NDF: 29.3/26

Left Out: 295.308+/-379.951 χ^2/NDF:30.0/24

Right Out: 566.057+/-431.795 χ^2/NDF: 39.5/31

Left In: 138.272+/-1022.940 χ^2/NDF:13.9/22

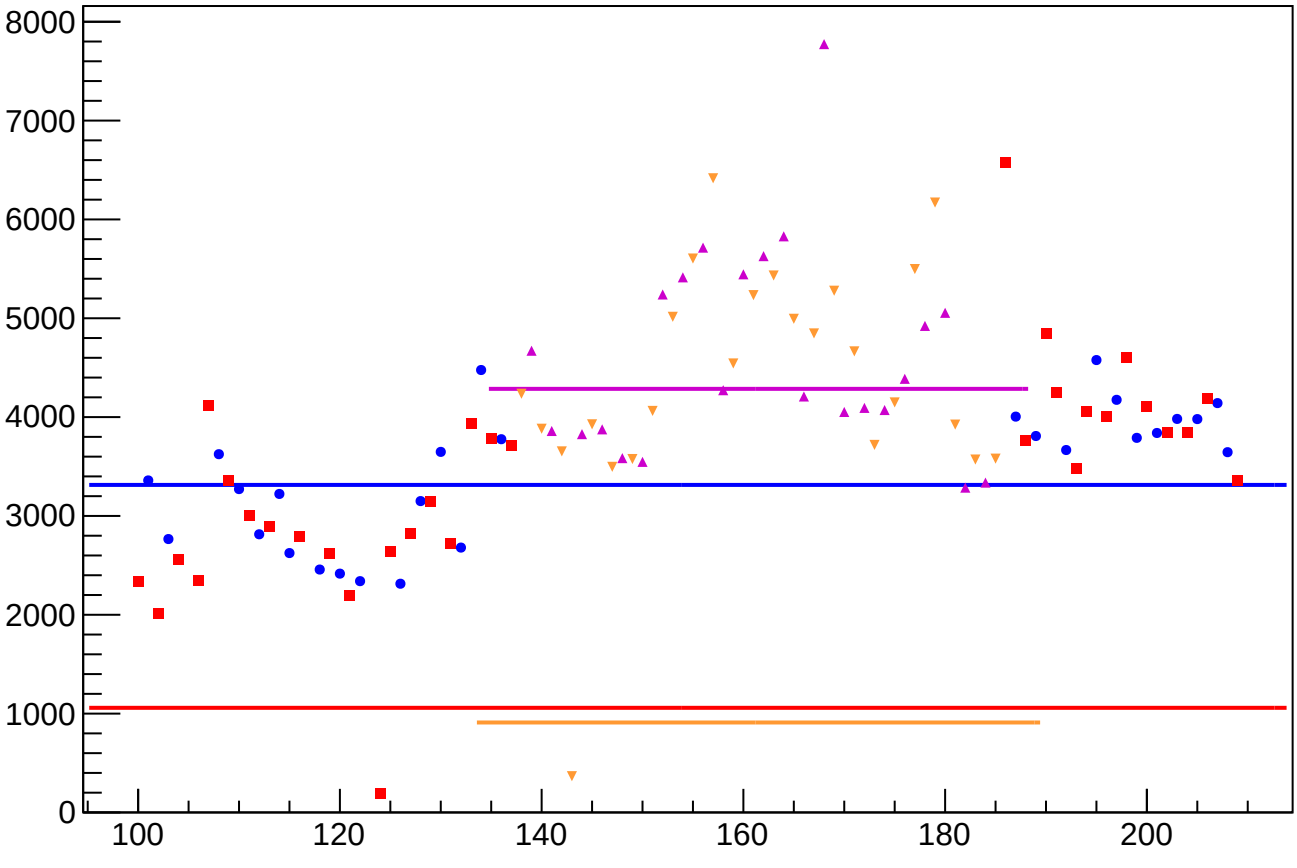
Left: 276.270+/-356.175 χ^2/NDF: 43.9/47

Right: 463.801+/-385.151 χ^2/NDF: 69.1/58

In: 95.436+/-654.645 χ^2/NDF:43.2/49

Out: 413.461+/-285.244 χ^2/NDF:69.7/56

All: 362.717+/-261.498 χ^2/NDF: 113.1/106



Right In: 3313.935+/-0.602 χ^2/NDF: 1252486.4/26

Left Out: 910.253+/-0.269 χ^2/NDF:26772969.1/24

Right Out: 1058.709+/-0.305 χ^2/NDF: 21963979.4/31

Left In: 4285.828+/-0.723 χ^2/NDF:1327963.4/22

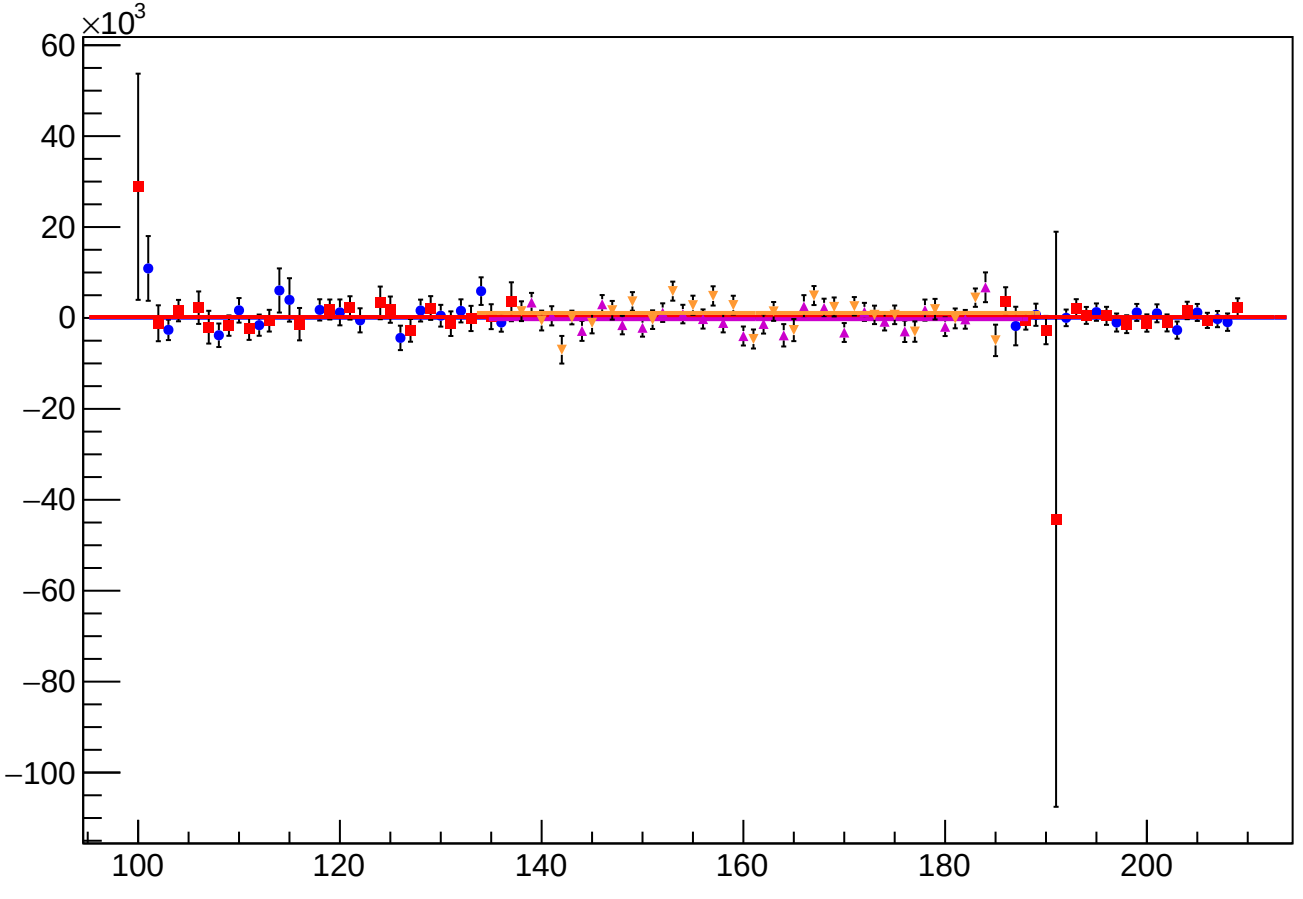
Left: 1319.491+/-0.252 χ^2/NDF: 47238971.3/47

Right: 1519.624+/-0.272 χ^2/NDF: 34366753.2/58

In: 3711.977+/-0.463 χ^2/NDF:3646422.5/49

Out: 975.038+/-0.202 χ^2/NDF:48870190.8/56

All: 1411.747+/-0.185 χ^2/NDF: 81896806.7/1



Right In: 61.135+/-448.901 χ^2/NDF: 21.6/26

Left Out: 1103.308+/-425.320 χ^2/NDF:44.8/24

Right Out: 208.132+/-434.167 χ^2/NDF: 17.1/31

Left In: -264.609+/-445.353 χ^2/NDF:27.7/22

Left: 450.807+/-307.585 χ^2/NDF: 77.4/47

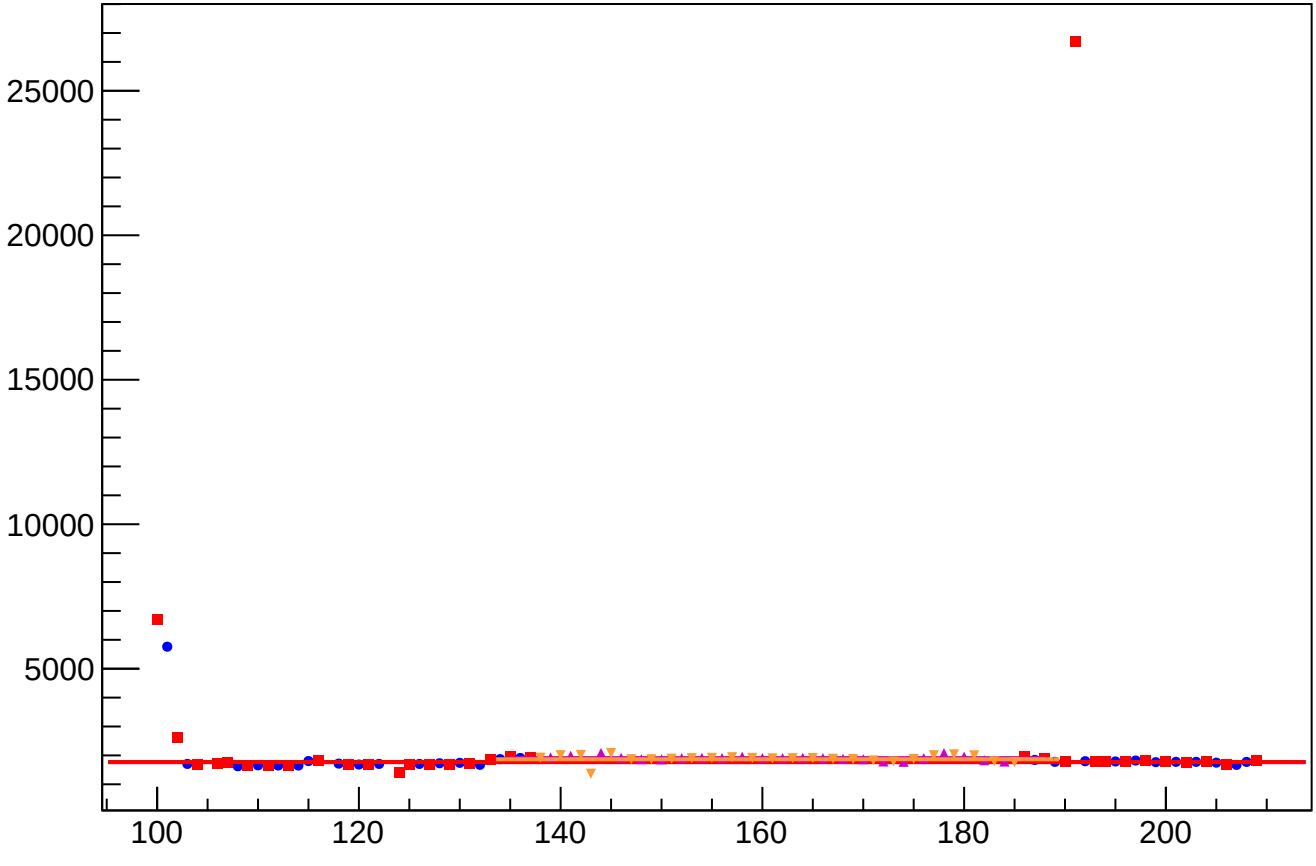
Right: 137.086+/-312.081 χ^2/NDF: 38.7/58

In: -103.029+/-316.159 χ^2/NDF:49.6/49

Out: 664.933+/-303.826 χ^2/NDF:64.0/56

All: 296.222+/-219.068 χ^2/NDF: 116.6/106

dit_asym_atr1l2_dd_rms vs Slug, Sign Corrected



Right In: 1766.264+/-0.317 χ^2/NDF: 676961.2/26

Left Out: 1864.841+/-0.301 χ^2/NDF:294712.1/24

Right Out: 1771.973+/-0.307 χ^2/NDF: 569458.4/31

Left In: 1905.628+/-0.315 χ^2/NDF:52781.7/22

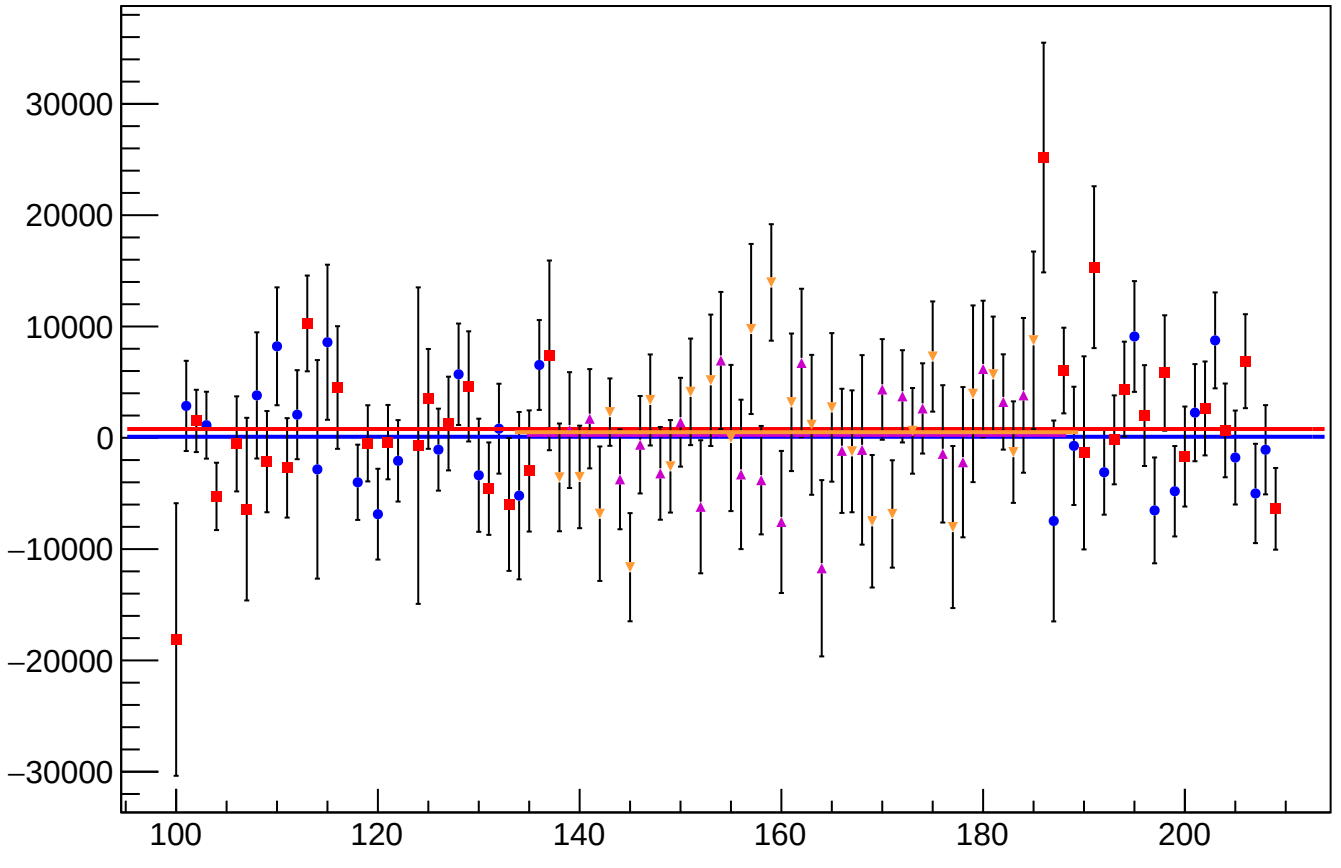
Left: 1884.296+/-0.217 χ^2/NDF: 356267.0/47

Right: 1769.217+/-0.221 χ^2/NDF: 1246586.9/58

In: 1836.499+/-0.224 χ^2/NDF:826889.6/49

Out: 1819.304+/-0.215 χ^2/NDF:910925.7/56

All: 1827.554+/-0.155 χ^2/NDF: 1740892.8/10



Right In: 92.234+/-847.686 χ^2/NDF: 29.0/26

Left Out: 504.261+/-1021.684 χ^2/NDF:30.1/24

Right Out: 789.168+/-799.517 χ^2/NDF: 38.6/31

Left In: 261.050+/-1081.402 χ^2/NDF:13.6/22

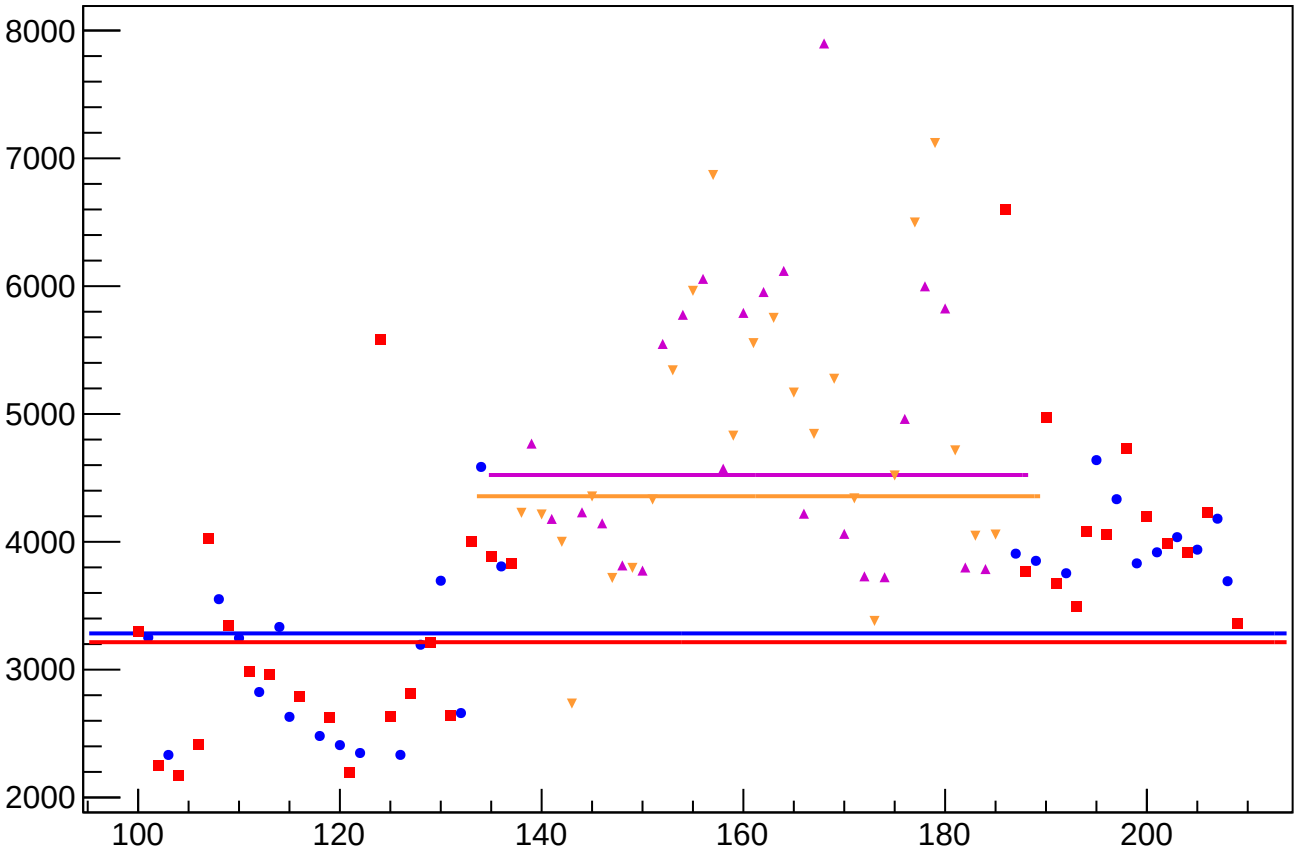
Left: 389.556+/-742.654 χ^2/NDF: 43.7/47

Right: 461.064+/-581.627 χ^2/NDF: 68.0/58

In: 156.486+/-667.146 χ^2/NDF:42.6/49

Out: 680.960+/-629.642 χ^2/NDF:68.8/56

All: 433.878+/-457.909 χ^2/NDF: 111.7/106



Right In: 3283.550+/-0.599 χ^2/NDF: 1470612.2/26

Left Out: 4356.643+/-0.722 χ^2/NDF:1912322.9/24

Right Out: 3214.873+/-0.565 χ^2/NDF: 2075005.4/31

Left In: 4522.787+/-0.765 χ^2/NDF:1434008.9/22

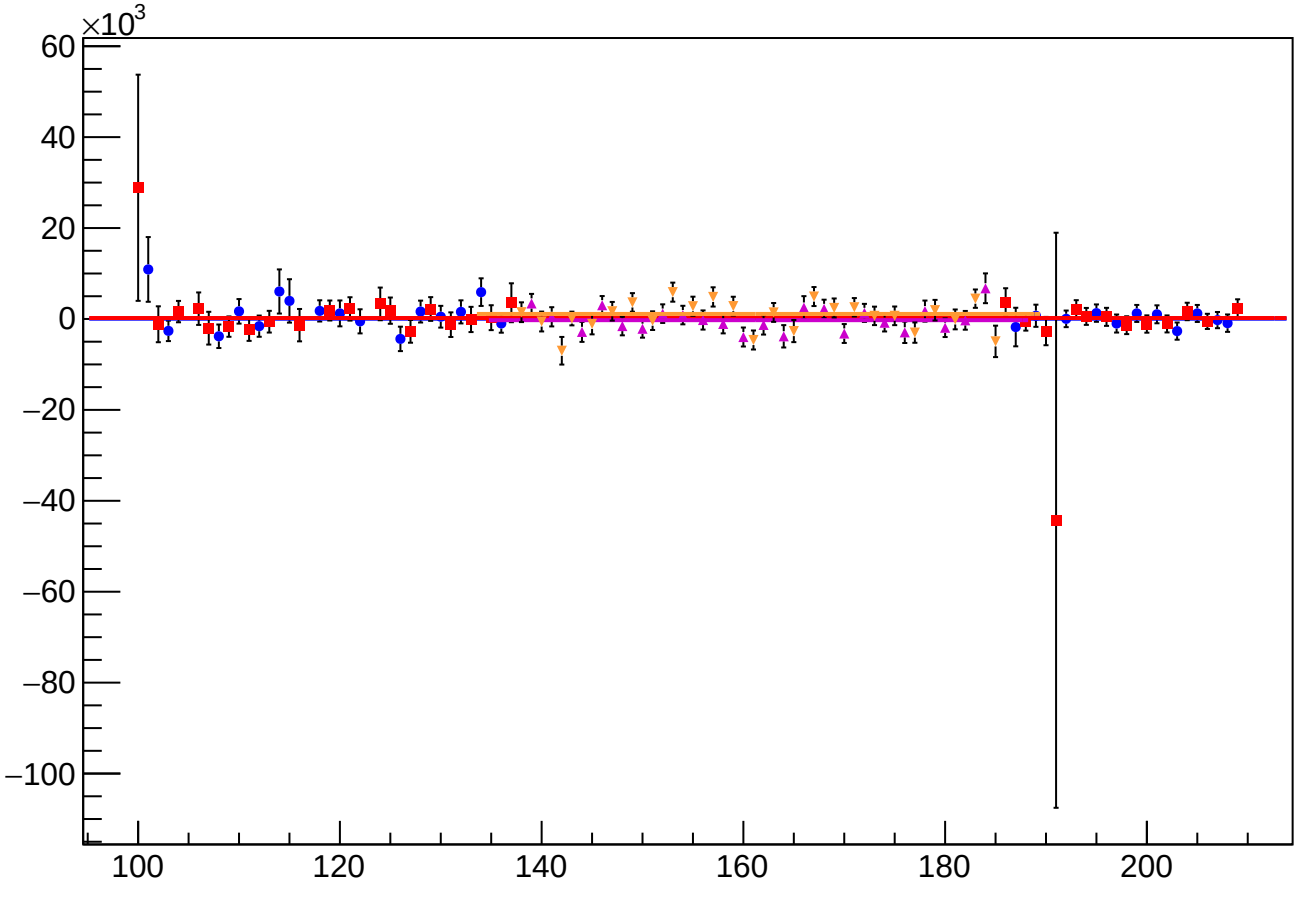
Left: 4435.001+/-0.525 χ^2/NDF: 3371275.6/47

Right: 3247.205+/-0.411 χ^2/NDF: 3552564.9/58

In: 3755.202+/-0.472 χ^2/NDF:4531430.2/49

Out: 3648.516+/-0.445 χ^2/NDF:5536454.2/56

All: 3698.776+/-0.324 χ^2/NDF: 10094934.6/1



Right In: 61.134+/-448.901 χ^2/NDF: 21.6/26

Left Out: 1103.310+/-425.321 χ^2/NDF:44.8/24

Right Out: 208.131+/-434.167 χ^2/NDF: 17.1/31

Left In: -264.609+/-445.354 χ^2/NDF:27.7/22

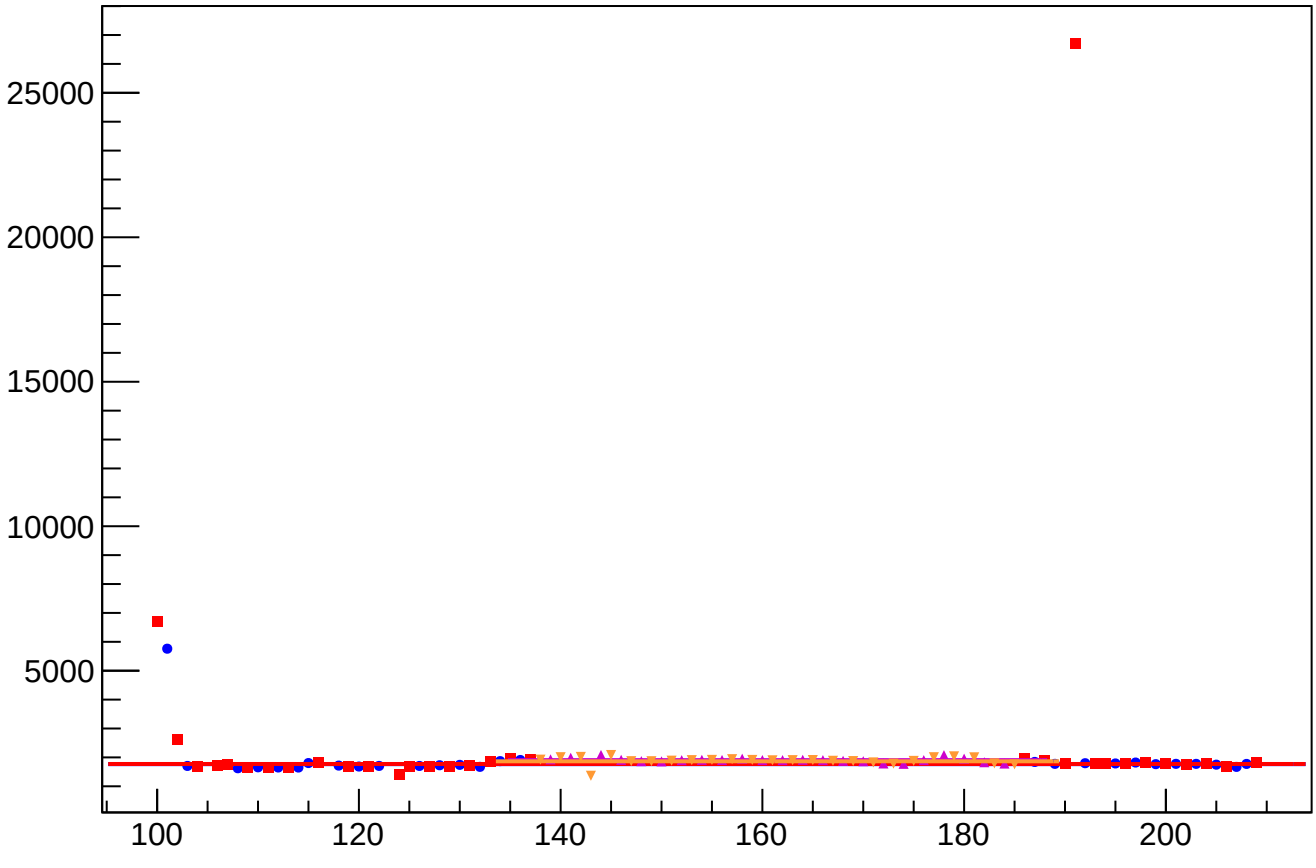
Left: 450.808+/-307.585 χ^2/NDF: 77.4/47

Right: 137.085+/-312.081 χ^2/NDF: 38.7/58

In: -103.030+/-316.159 χ^2/NDF:49.6/49

Out: 664.933+/-303.826 χ^2/NDF:64.0/56

All: 296.222+/-219.068 χ^2/NDF: 116.6/106



Right In: 1766.264+/-0.317 χ^2/NDF: 676961.2/26

Left Out: 1864.842+/-0.301 χ^2/NDF:294715.4/24

Right Out: 1771.973+/-0.307 χ^2/NDF: 569458.4/31

Left In: 1905.629+/-0.315 χ^2/NDF:52783.9/22

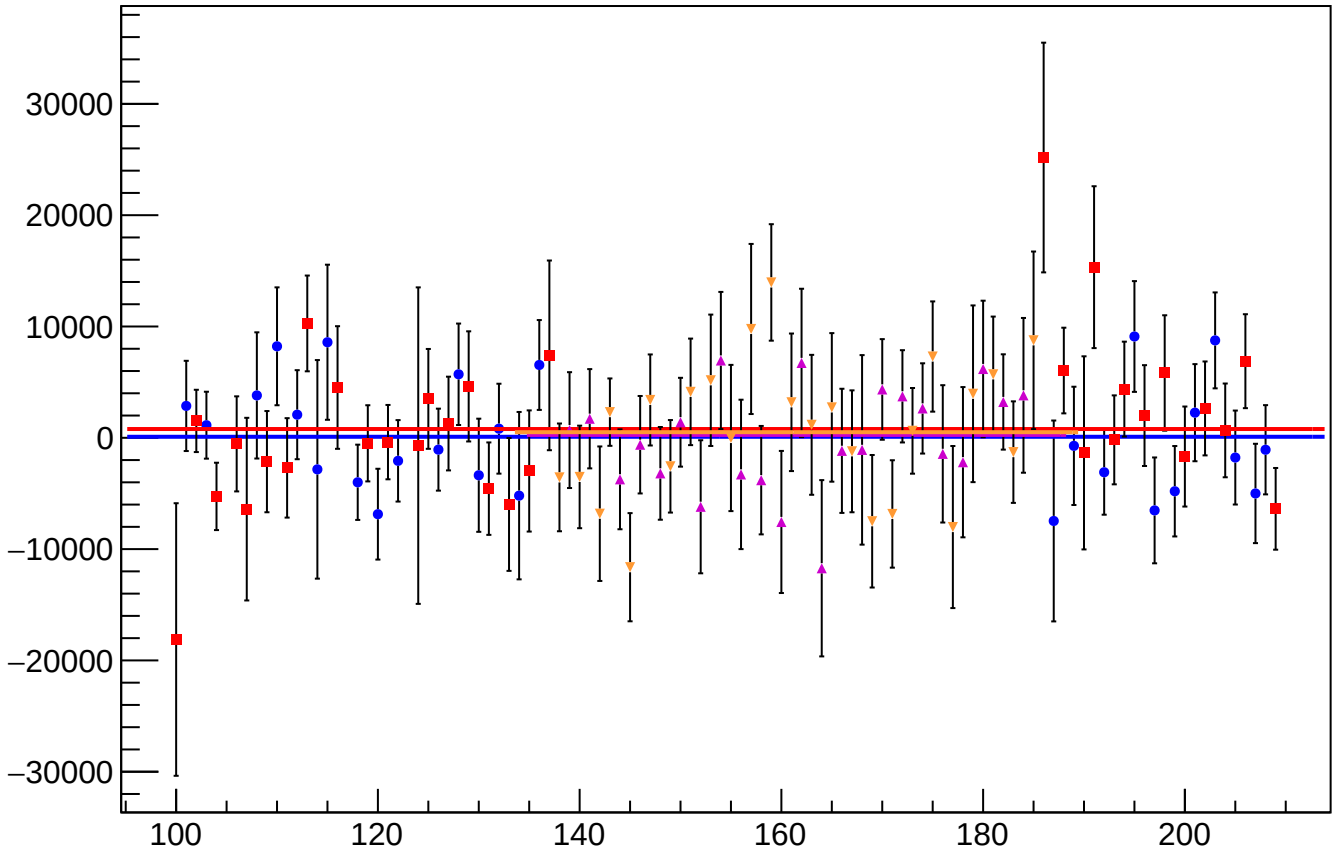
Left: 1884.297+/-0.217 χ^2/NDF: 356272.6/47

Right: 1769.218+/-0.221 χ^2/NDF: 1246586.9/58

In: 1836.499+/-0.224 χ^2/NDF:826893.2/49

Out: 1819.304+/-0.215 χ^2/NDF:910929.9/56

All: 1827.554+/-0.155 χ^2/NDF: 1740900.6/10



Right In: 92.232+/-847.685 χ^2/NDF: 29.0/26

Left Out: 504.265+/-1021.686 χ^2/NDF:30.1/24

Right Out: 789.163+/-799.516 χ^2/NDF: 38.6/31

Left In: 261.051+/-1081.404 χ^2/NDF:13.6/22

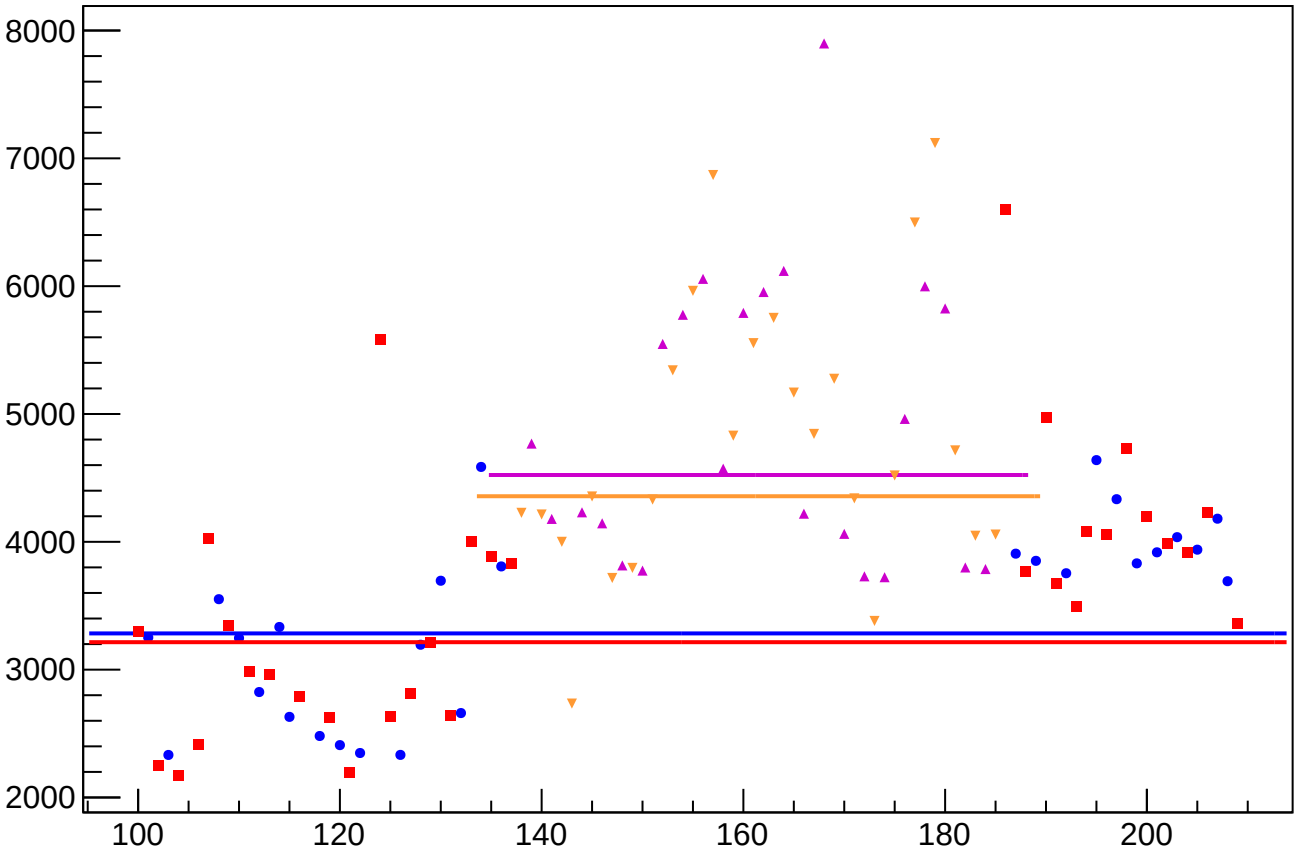
Left: 389.559+/-742.655 χ^2/NDF: 43.7/47

Right: 461.060+/-581.627 χ^2/NDF: 68.0/58

In: 156.484+/-667.146 χ^2/NDF:42.6/49

Out: 680.959+/-629.642 χ^2/NDF:68.8/56

All: 433.877+/-457.909 χ^2/NDF: 111.7/106



Right In: 3283.546+/-0.599 χ^2/NDF: 1470640.4/26

Left Out: 4356.650+/-0.722 χ^2/NDF:1912327.4/24

Right Out: 3214.870+/-0.565 χ^2/NDF: 2075021.8/31

Left In: 4522.795+/-0.765 χ^2/NDF:1434009.9/22

Left: 4435.009+/-0.525 χ^2/NDF: 3371281.4/47

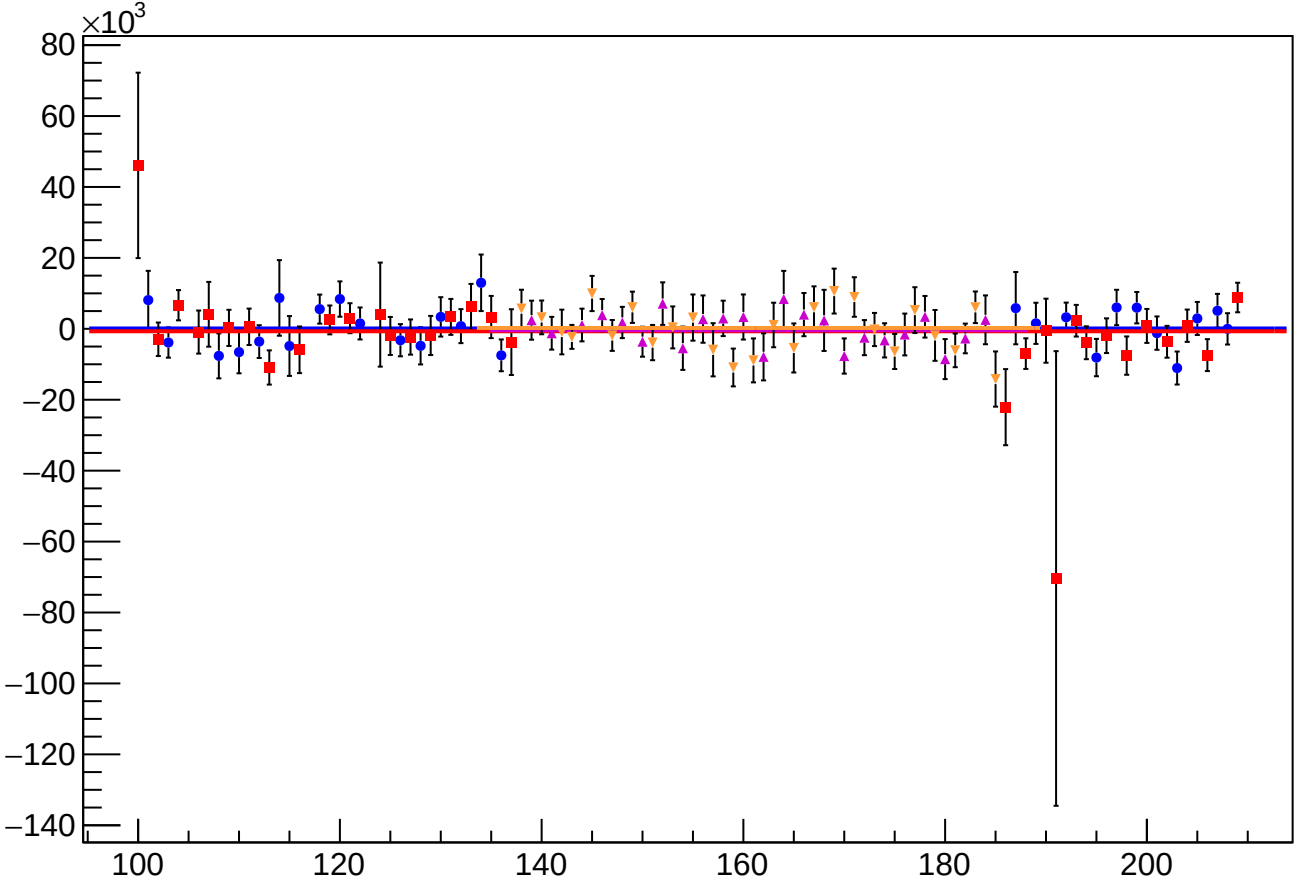
Right: 3247.201+/-0.411 χ^2/NDF: 3552609.3/58

In: 3755.201+/-0.472 χ^2/NDF:4531488.7/49

Out: 3648.516+/-0.445 χ^2/NDF:5536500.6/56

All: 3698.775+/-0.324 χ^2/NDF: 10095039.3/1

asym_atr1l2_dd_mean vs Slug, Sign Corrected



Right In: 93.334+/-987.812 χ^2/NDF: 31.9/26

Left Out: 239.929+/-1064.647 χ^2/NDF:32.2/24

Right Out: -694.271+/-948.954 χ^2/NDF: 33.9/31

Left In: -397.881+/-1121.323 χ^2/NDF:14.2/22

Left: -62.451+/-772.078 χ^2/NDF: 46.6/47

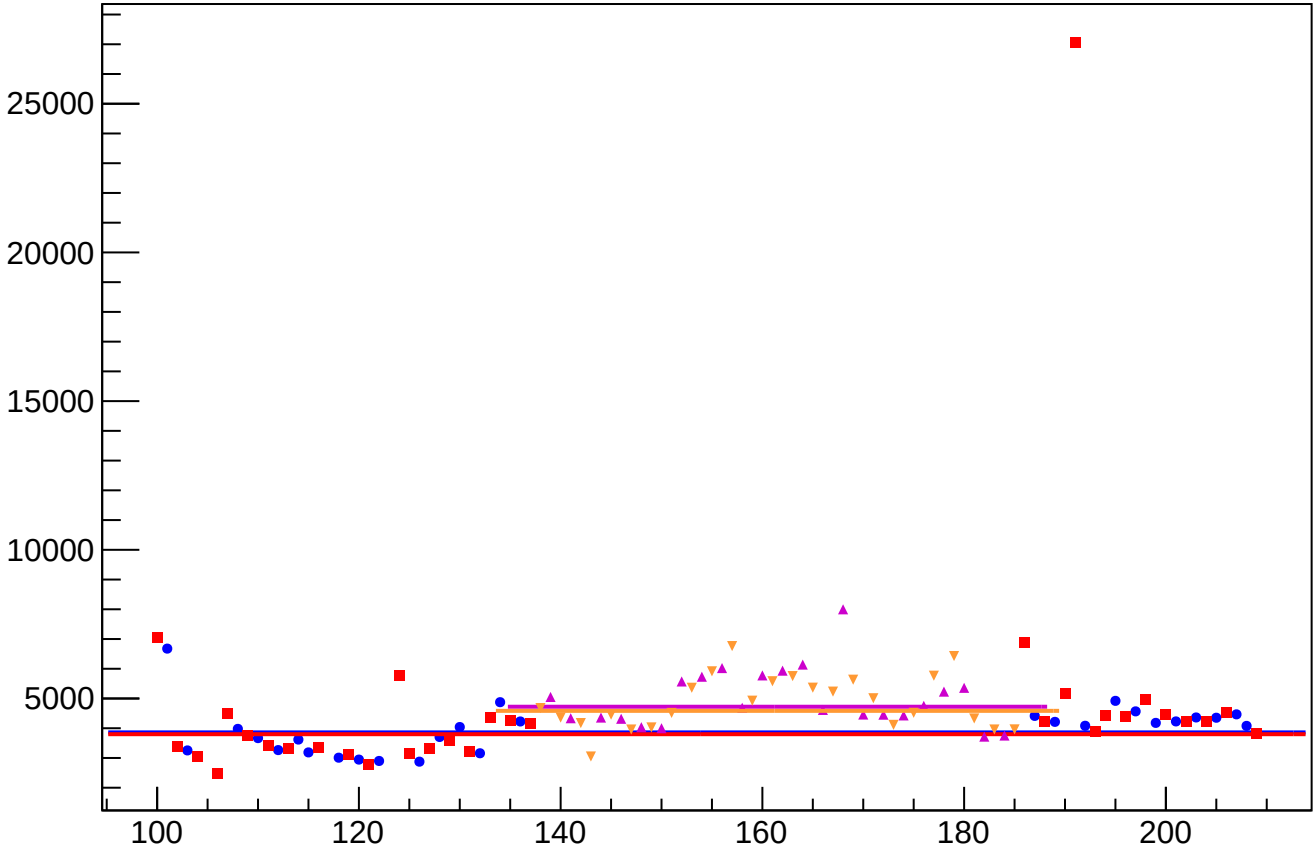
Right: -316.264+/-684.337 χ^2/NDF: 66.1/58

In: -121.303+/-741.220 χ^2/NDF:46.2/49

Out: -280.670+/-708.397 χ^2/NDF:66.5/56

All: -204.593+/-512.123 χ^2/NDF: 112.7/106

asym_atr1l2_dd_rms vs Slug, Sign Corrected



Right In: 3860.002+/-0.698 χ^2/NDF: 1000584.2/26

Left Out: 4584.664+/-0.753 χ^2/NDF:1311720.7/24

Right Out: 3799.529+/-0.666 χ^2/NDF: 1415262.0/31

Left In: 4723.014+/-0.793 χ^2/NDF:1016613.0/22

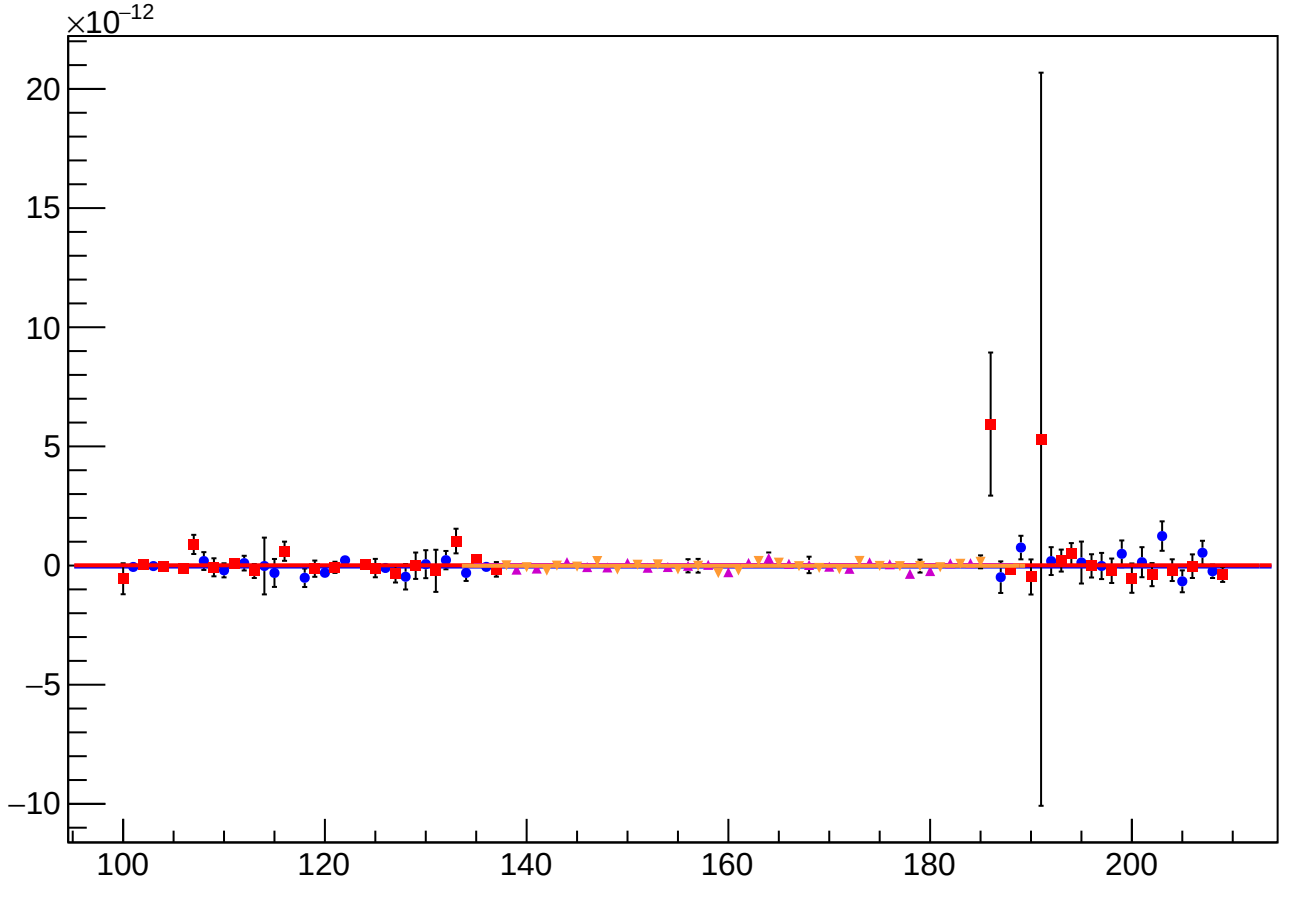
Left: 4650.254+/-0.546 χ^2/NDF: 2344345.5/47

Right: 3828.317+/-0.482 χ^2/NDF: 2419773.6/58

In: 4237.096+/-0.524 χ^2/NDF:2684232.5/49

Out: 4144.109+/-0.499 χ^2/NDF:3337310.8/56

All: 4188.295+/-0.361 χ^2/NDF: 6038062.4/10



Right In: -0.000+/-0.000 χ^2/NDF: 20.8/26

Left Out: -0.000+/-0.000 χ^2/NDF:22.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 28.3/31

Left In: 0.000+/-0.000 χ^2/NDF:26.0/22

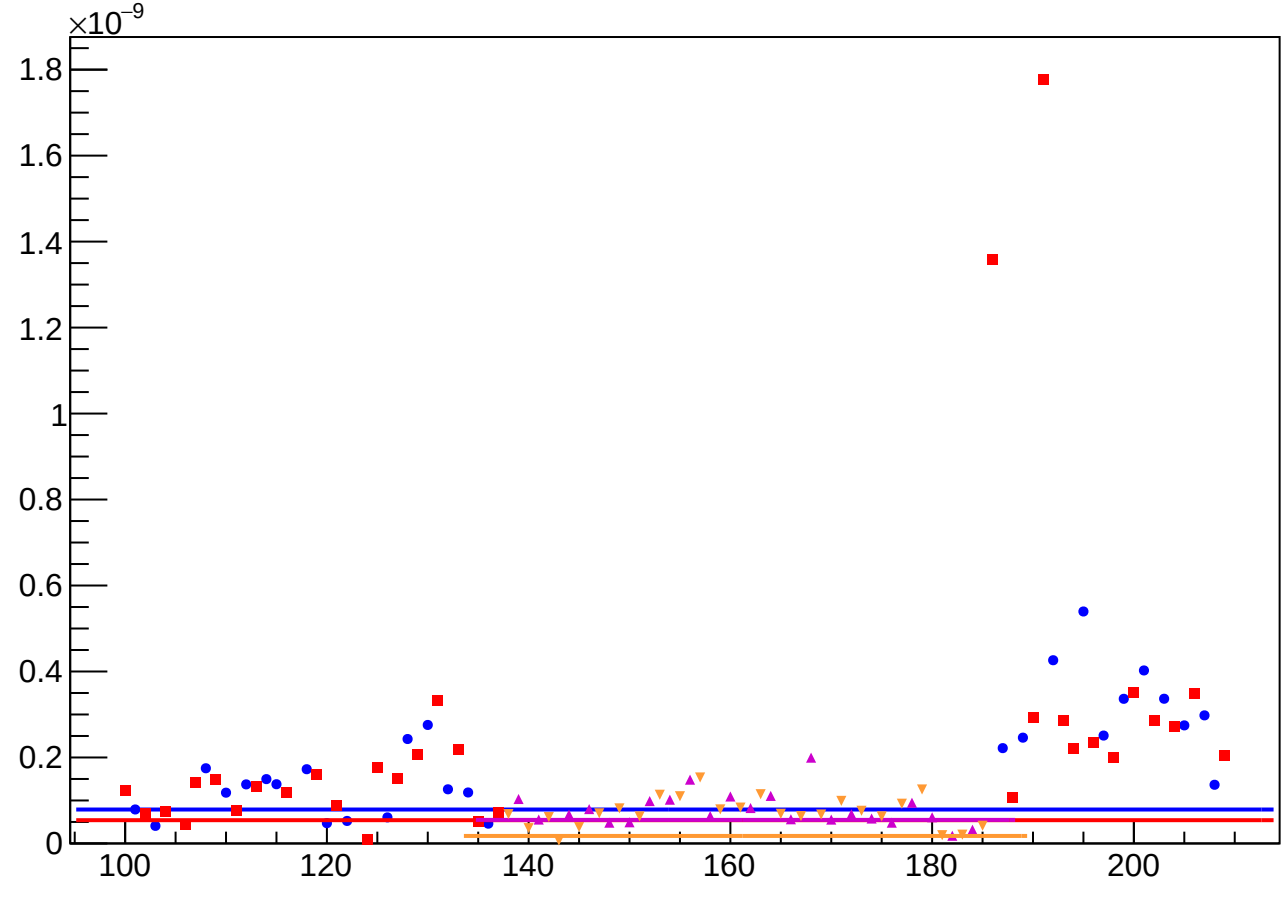
Left: -0.000+/-0.000 χ^2/NDF: 49.7/47

Right: -0.000+/-0.000 χ^2/NDF: 50.0/58

In: 0.000+/-0.000 χ^2/NDF:48.3/49

Out: -0.000+/-0.000 χ^2/NDF:51.4/56

All: -0.000+/-0.000 χ^2/NDF: 99.8/106



Right In: 0.000+/-0.000 χ^2/NDF: 5575554.4/26

Left Out: 0.000+/-0.000 χ^2/NDF:8870606.3/24

Right Out: 0.000+/-0.000 χ^2/NDF: 7966209.9/31

Left In: 0.000+/-0.000 χ^2/NDF:2798764.9/22

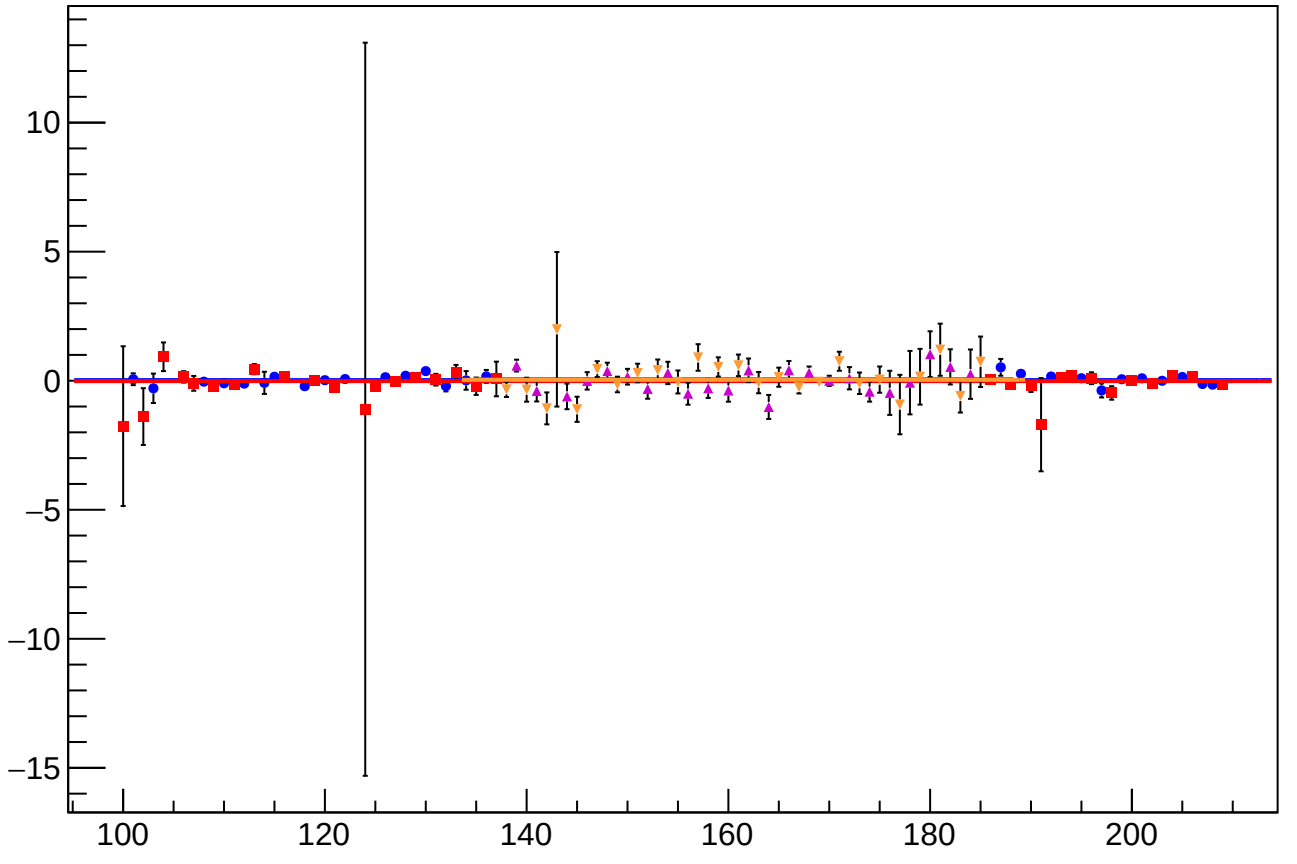
Left: 0.000+/-0.000 χ^2/NDF: 15661479.1/47

Right: 0.000+/-0.000 χ^2/NDF: 13952652.2/58

In: 0.000+/-0.000 χ^2/NDF:8862233.7/49

Out: 0.000+/-0.000 χ^2/NDF:18901761.5/56

All: 0.000+/-0.000 χ^2/NDF: 33426678.8/106



Right In: 0.023+/-0.034 χ^2/NDF: 24.0/26

Left Out: 0.034+/-0.078 χ^2/NDF:30.5/24

Right Out: -0.017+/-0.031 χ^2/NDF: 37.1/31

Left In: 0.056+/-0.077 χ^2/NDF:26.1/22

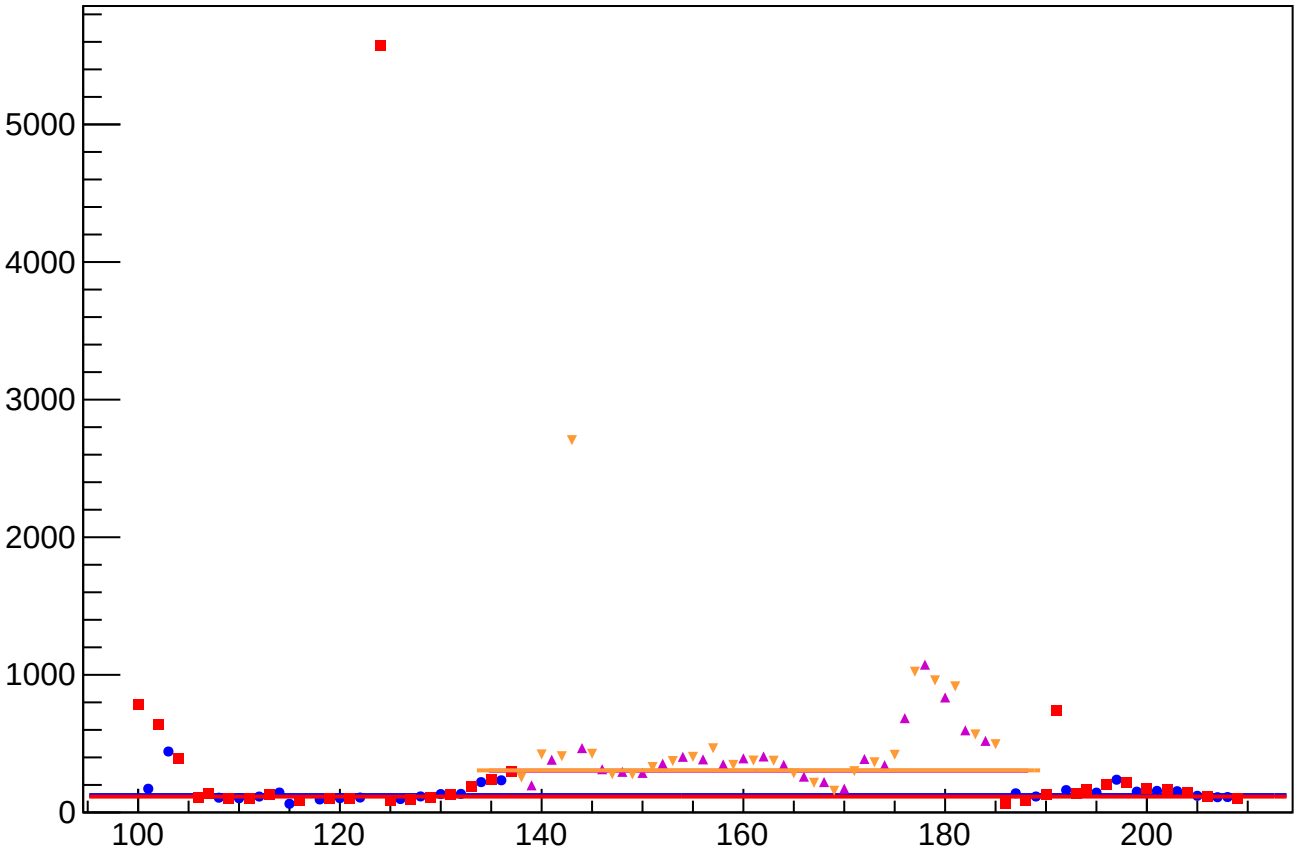
Left: 0.045+/-0.055 χ^2/NDF: 56.5/47

Right: 0.001+/-0.023 χ^2/NDF: 61.8/58

In: 0.028+/-0.031 χ^2/NDF:50.2/49

Out: -0.010+/-0.029 χ^2/NDF:67.9/56

All: 0.008+/-0.021 χ^2/NDF: 118.9/106



Right In: 126.260+/-0.024 χ^2/NDF: 2469153.4/26

Left Out: 305.950+/-0.055 χ^2/NDF:6634928.0/24

Right Out: 115.240+/-0.022 χ^2/NDF: 4398719.1/31

Left In: 303.278+/-0.055 χ^2/NDF:4813442.3/22

Left: 304.603+/-0.039 χ^2/NDF: 11449555.3/47

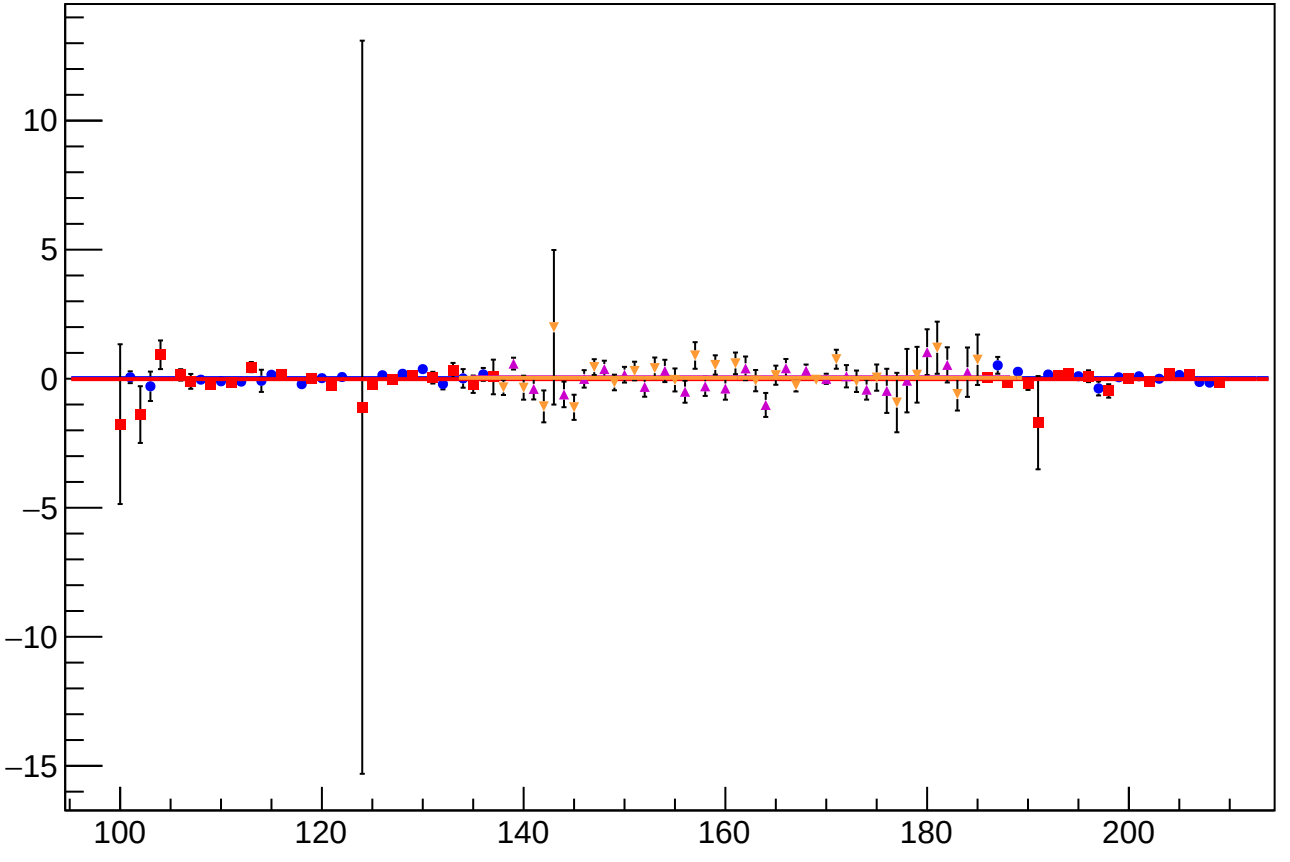
Right: 120.269+/-0.016 χ^2/NDF: 6981781.6/58

In: 155.015+/-0.022 χ^2/NDF:16065831.5/49

Out: 141.572+/-0.020 χ^2/NDF:21355569.3/56

All: 147.803+/-0.015 χ^2/NDF: 37621152.0/10

asym_atr1l2_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.023+/-0.034 χ^2/NDF: 24.0/26

Left Out: 0.034+/-0.078 χ^2/NDF:30.5/24

Right Out: -0.017+/-0.031 χ^2/NDF: 37.1/31

Left In: 0.056+/-0.077 χ^2/NDF:26.1/22

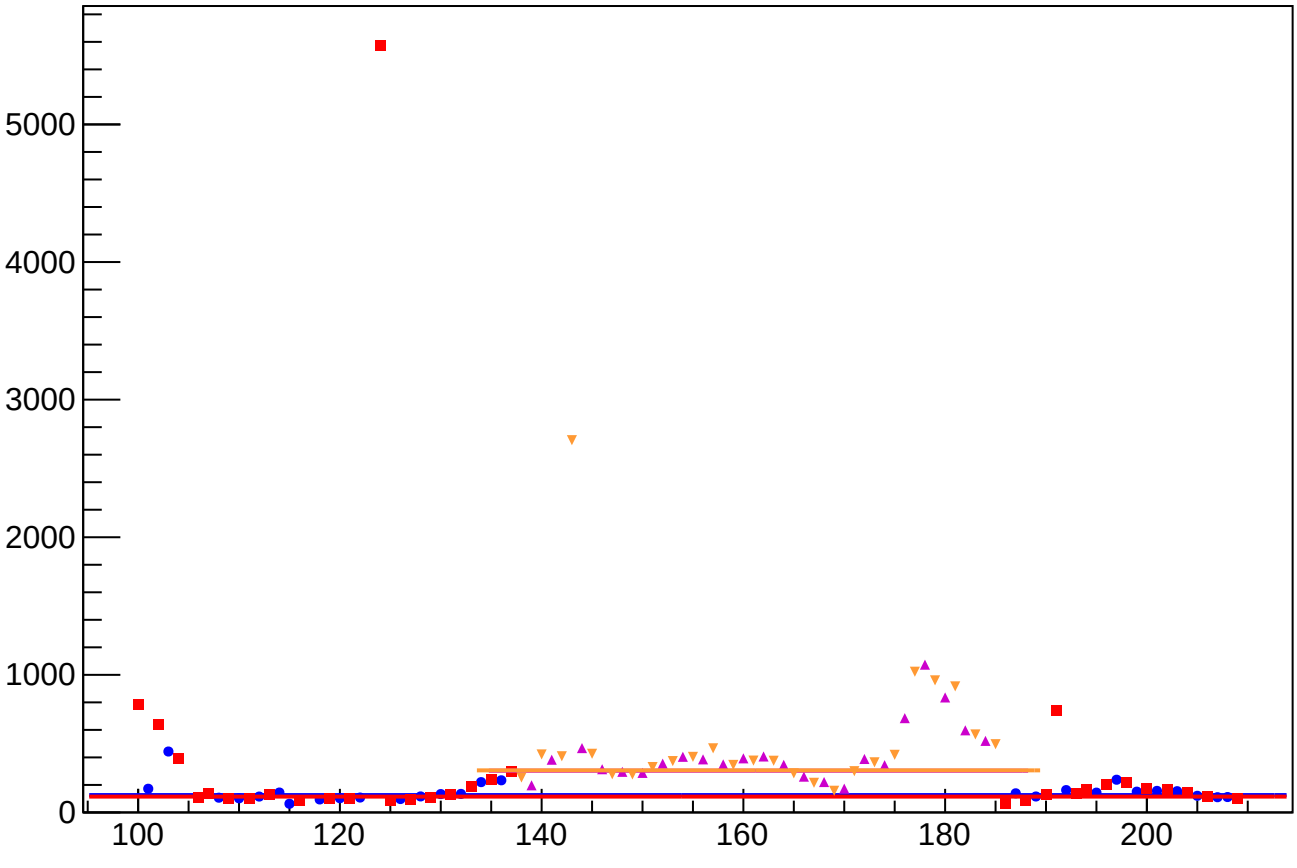
Left: 0.045+/-0.055 χ^2/NDF: 56.5/47

Right: 0.001+/-0.023 χ^2/NDF: 61.8/58

In: 0.028+/-0.031 χ^2/NDF:50.2/49

Out: -0.010+/-0.029 χ^2/NDF:67.9/56

All: 0.008+/-0.021 χ^2/NDF: 118.9/106



Right In: 126.260+/-0.024 χ^2/NDF: 2469153.4/26

Left Out: 305.950+/-0.055 χ^2/NDF:6634928.0/24

Right Out: 115.240+/-0.022 χ^2/NDF: 4398719.1/31

Left In: 303.278+/-0.055 χ^2/NDF:4813442.3/22

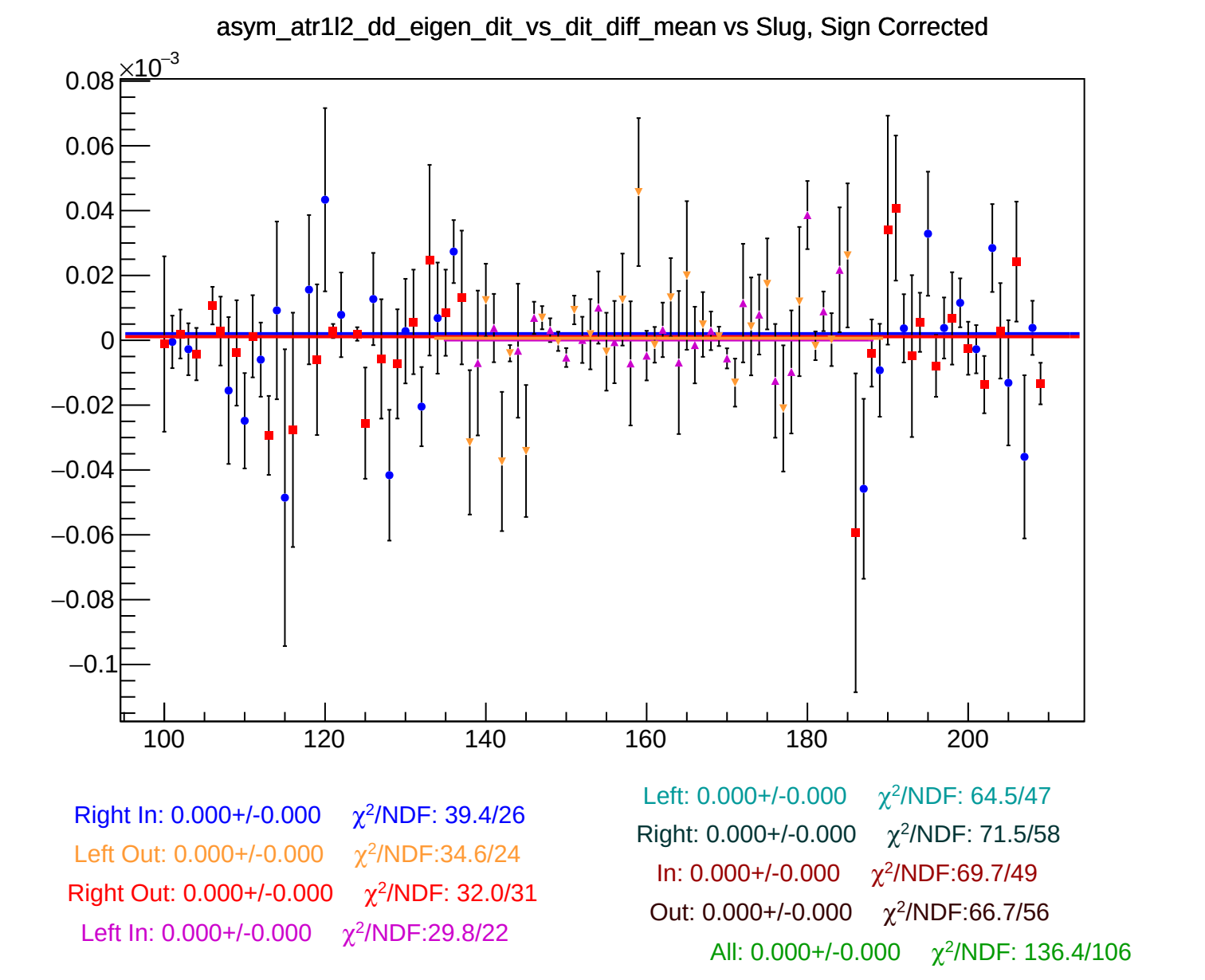
Left: 304.603+/-0.039 χ^2/NDF: 11449555.3/47

Right: 120.269+/-0.016 χ^2/NDF: 6981781.6/58

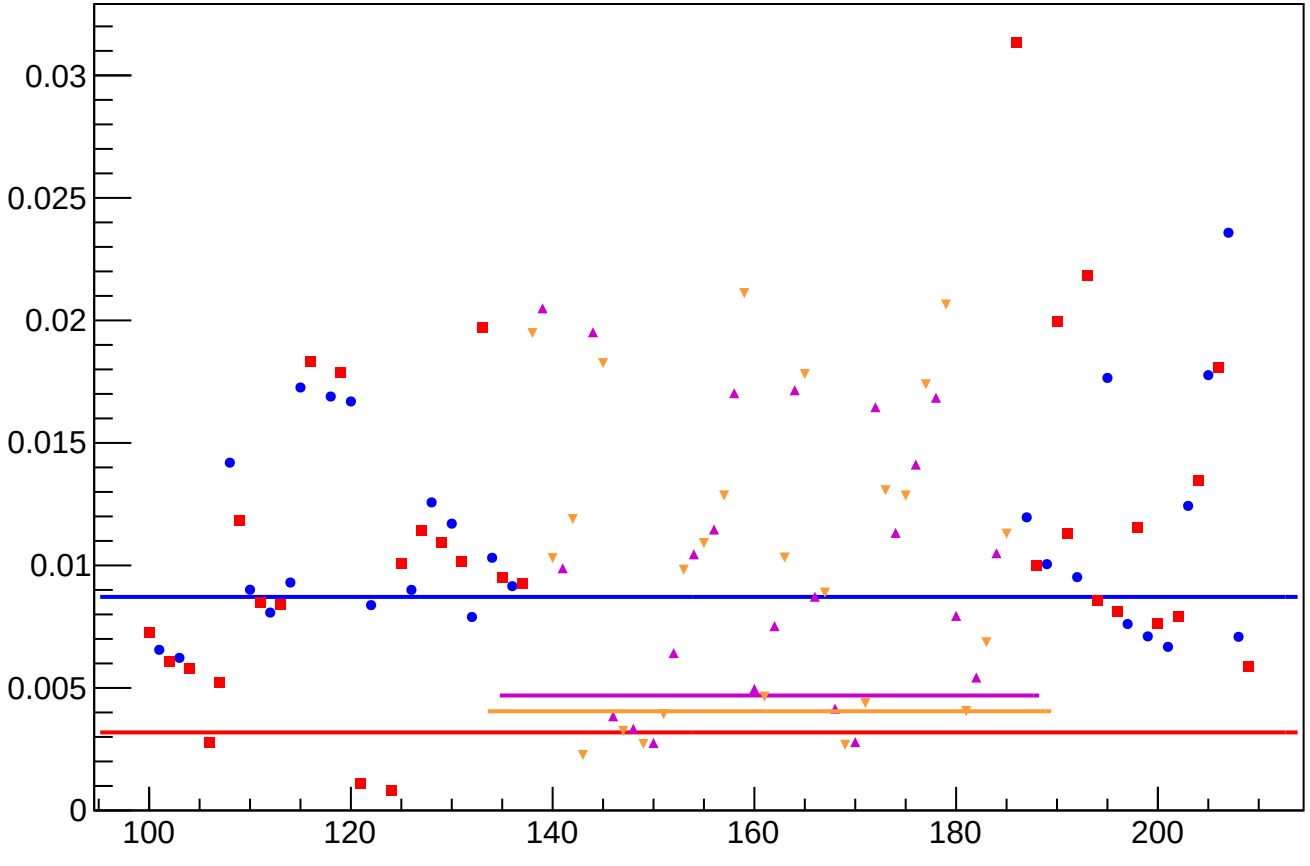
In: 155.015+/-0.022 χ^2/NDF:16065831.5/49

Out: 141.572+/-0.020 χ^2/NDF:21355569.3/56

All: 147.803+/-0.015 χ^2/NDF: 37621152.0/10


asym_atr1l2_dd_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected
×10⁻³
0.08
0.06
0.04
0.02
0
−0.02
−0.04
−0.06
−0.08
−0.1
100
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 39.4/26
Left Out: 0.000+/-0.000 χ²/NDF:34.6/24
Right Out: 0.000+/-0.000 χ²/NDF: 32.0/31
Left In: 0.000+/-0.000 χ²/NDF:29.8/22
Left: 0.000+/-0.000 χ²/NDF: 64.5/47
Right: 0.000+/-0.000 χ²/NDF: 71.5/58
In: 0.000+/-0.000 χ²/NDF:69.7/49
Out: 0.000+/-0.000 χ²/NDF:66.7/56
All: 0.000+/-0.000 χ²/NDF: 136.4/106

asym_atr1l2_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.009+/-0.000 χ^2/NDF: 3241140.1/26

Left Out: 0.004+/-0.000 χ^2/NDF:13552895.5/24

Right Out: 0.003+/-0.000 χ^2/NDF: 19340006.7/31

Left In: 0.005+/-0.000 χ^2/NDF:10859759.8/22

Left: 0.004+/-0.000 χ^2/NDF: 24656660.1/47

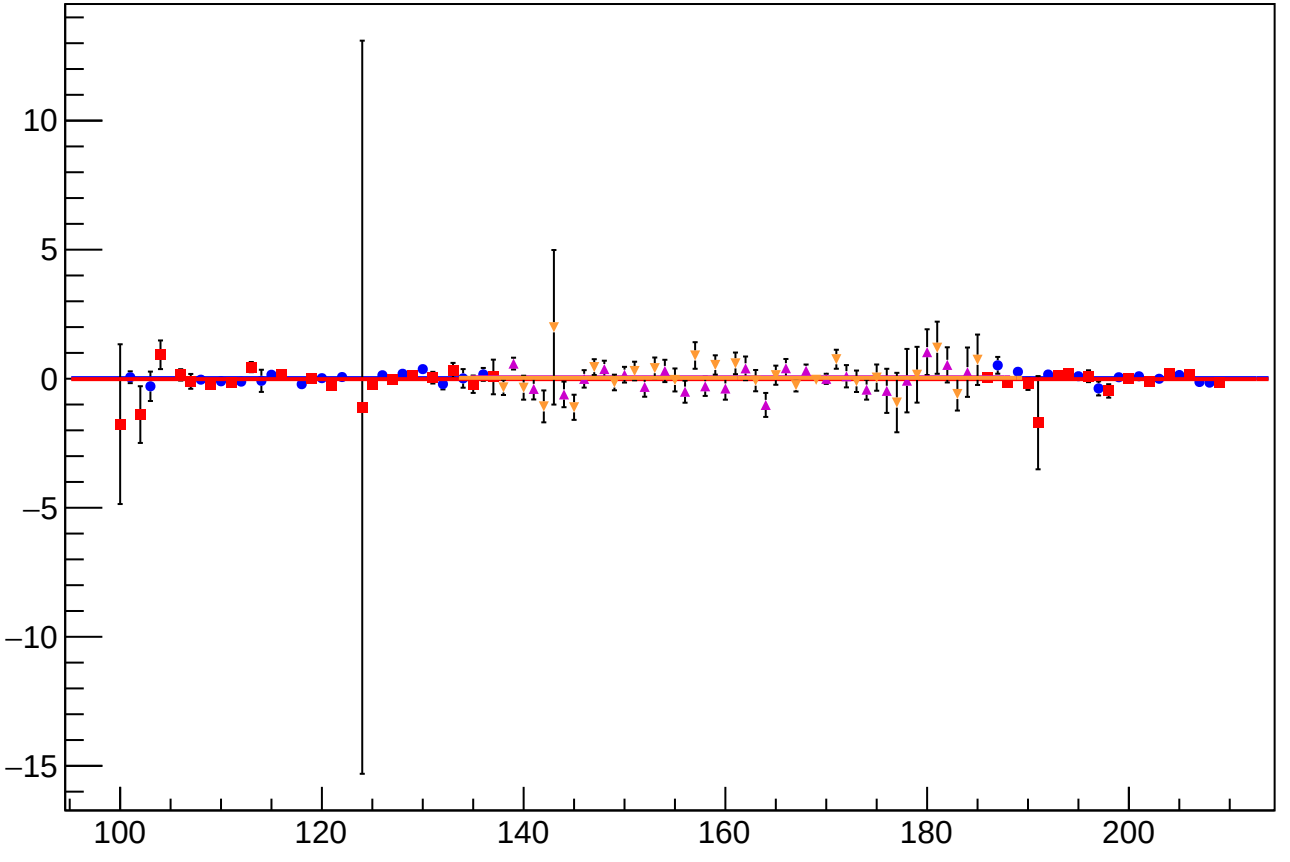
Right: 0.004+/-0.000 χ^2/NDF: 31112308.5/58

In: 0.006+/-0.000 χ^2/NDF:18350901.0/49

Out: 0.004+/-0.000 χ^2/NDF:33401304.8/56

All: 0.004+/-0.000 χ^2/NDF: 55770015.5/106

asym_atr1l2_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.023+/-0.034 χ^2/NDF: 24.0/26

Left Out: 0.034+/-0.078 χ^2/NDF:30.5/24

Right Out: -0.017+/-0.031 χ^2/NDF: 37.1/31

Left In: 0.056+/-0.077 χ^2/NDF:26.0/22

Left: 0.045+/-0.055 χ^2/NDF: 56.5/47

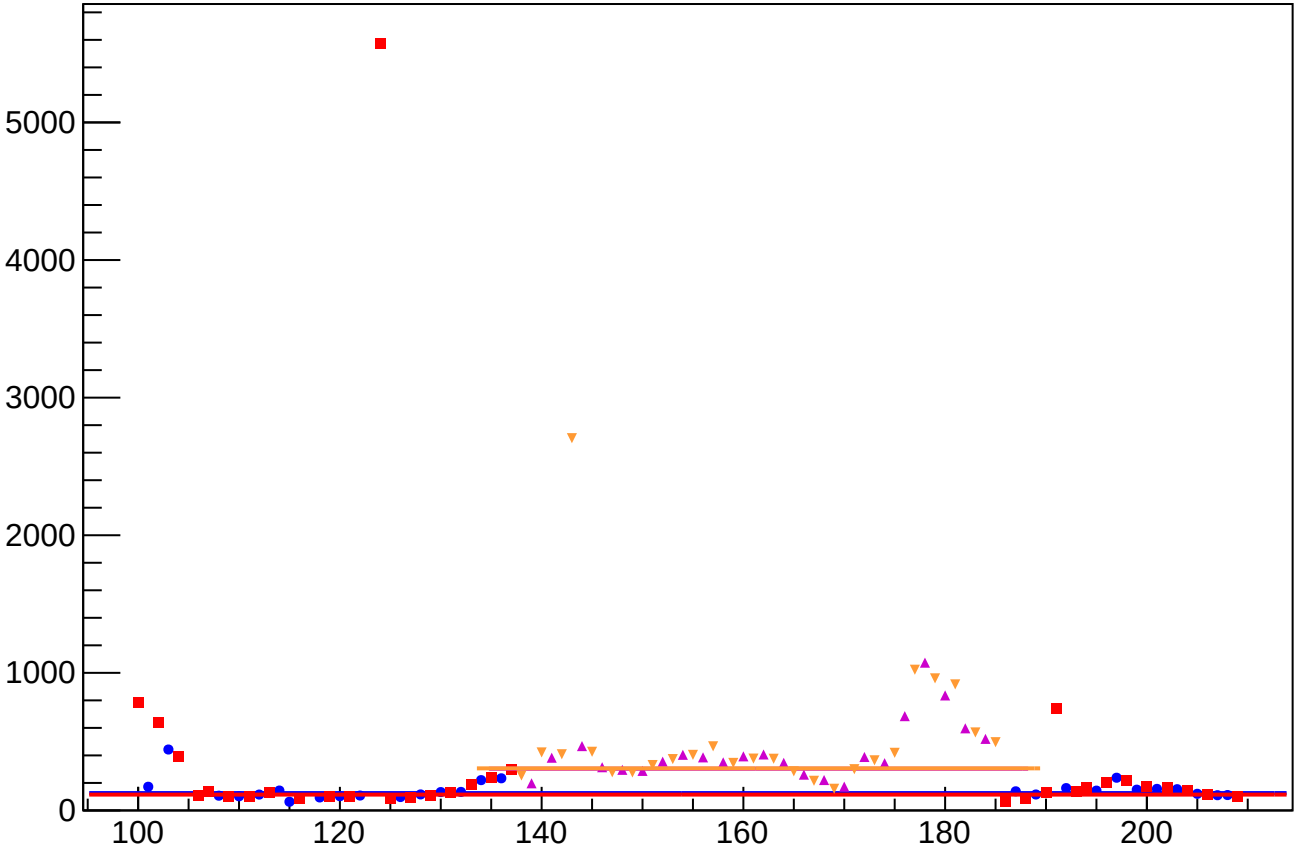
Right: 0.001+/-0.023 χ^2/NDF: 61.8/58

In: 0.028+/-0.031 χ^2/NDF:50.2/49

Out: -0.010+/-0.029 χ^2/NDF:67.9/56

All: 0.008+/-0.021 χ^2/NDF: 118.9/106

asym_atr1l2_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 126.261+/-0.024 χ^2/NDF: 2469115.2/26

Left Out: 305.951+/-0.055 χ^2/NDF:6634999.6/24

Right Out: 115.241+/-0.022 χ^2/NDF: 4398547.7/31

Left In: 303.281+/-0.055 χ^2/NDF:4813426.5/22

Left: 304.605+/-0.039 χ^2/NDF: 11449609.9/47

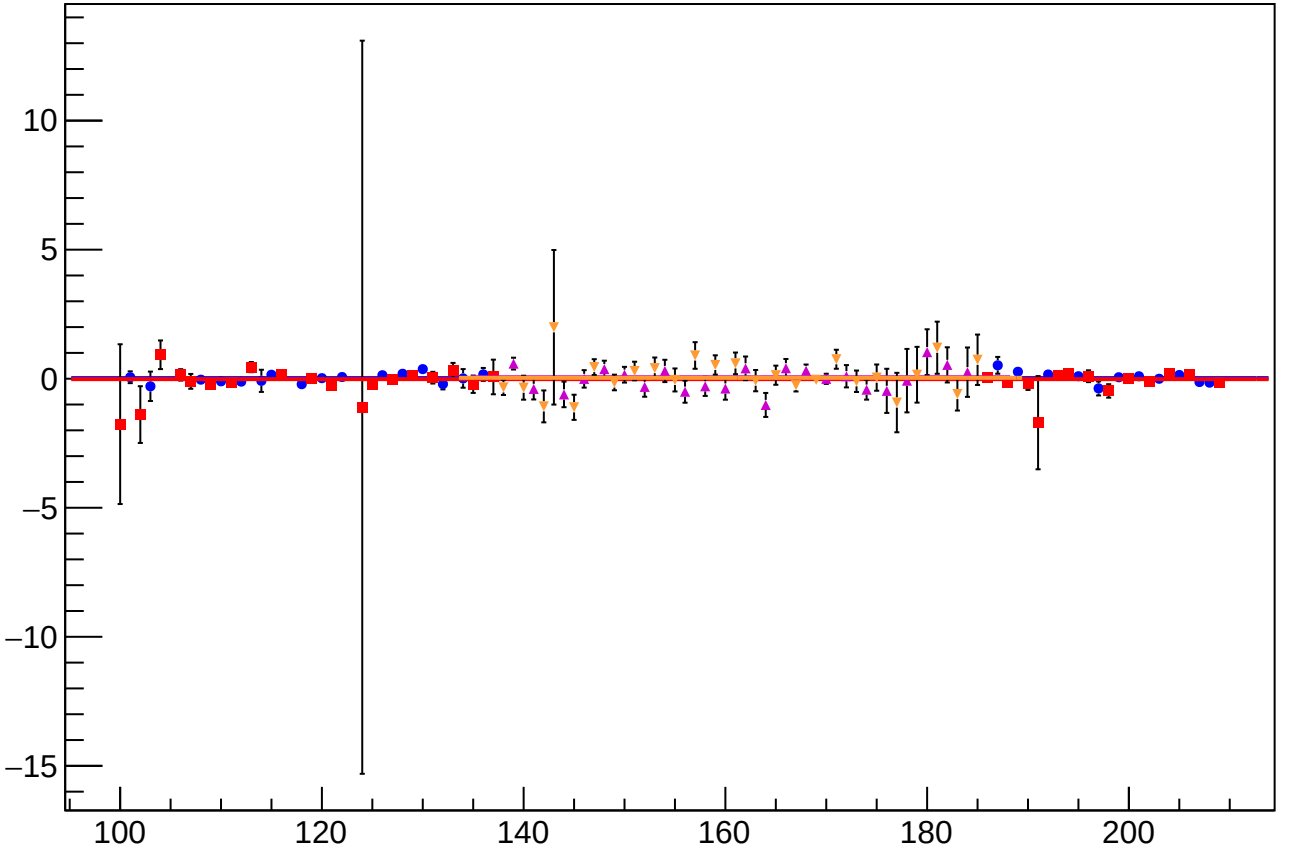
Right: 120.270+/-0.016 χ^2/NDF: 6981570.6/58

In: 155.017+/-0.022 χ^2/NDF:16065814.5/49

Out: 141.573+/-0.020 χ^2/NDF:21355424.9/56

All: 147.804+/-0.015 χ^2/NDF: 37620994.3/10

asym_atr1l2_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.023+/-0.034 χ^2/NDF: 24.0/26

Left Out: 0.034+/-0.078 χ^2/NDF:30.5/24

Right Out: -0.017+/-0.031 χ^2/NDF: 37.1/31

Left In: 0.056+/-0.077 χ^2/NDF:26.0/22

Left: 0.045+/-0.055 χ^2/NDF: 56.5/47

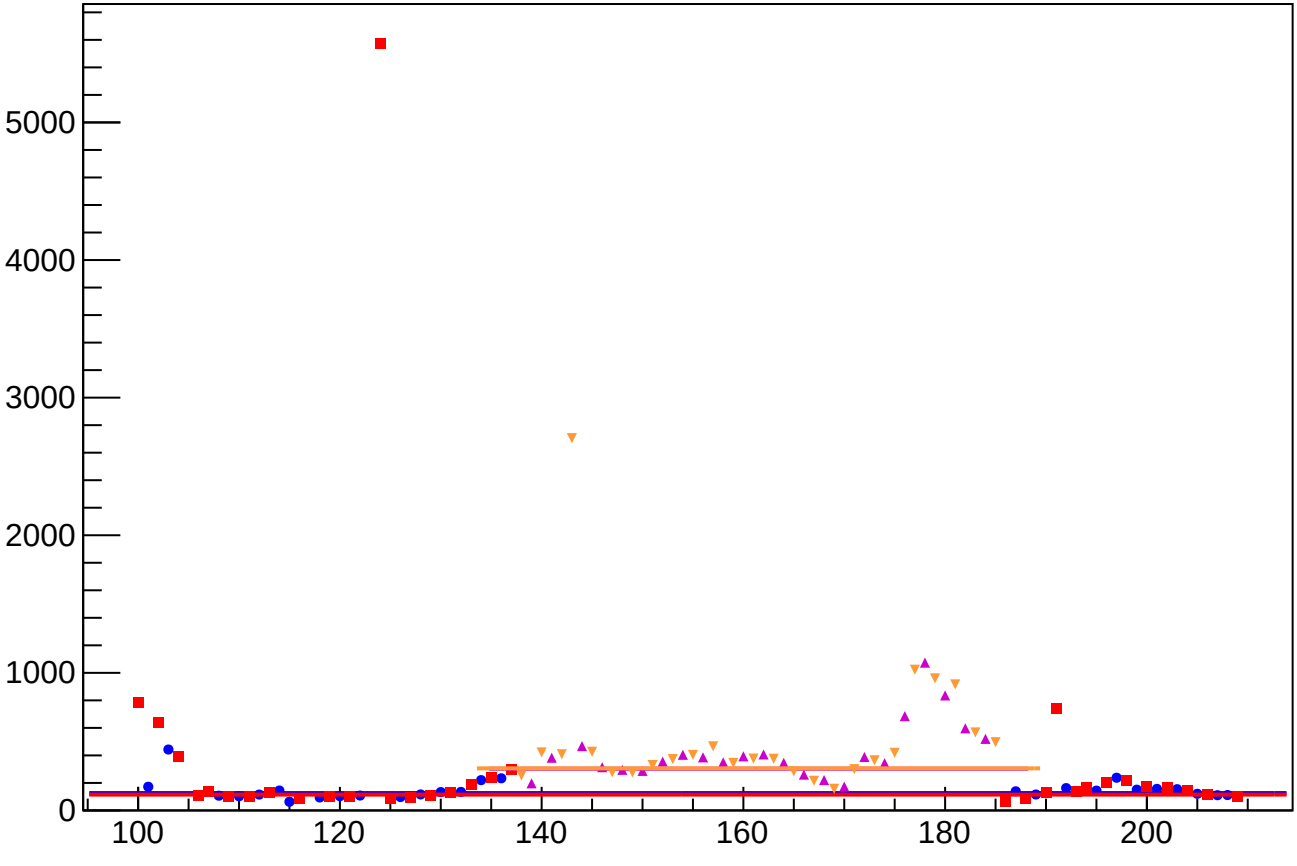
Right: 0.001+/-0.023 χ^2/NDF: 61.8/58

In: 0.028+/-0.031 χ^2/NDF:50.2/49

Out: -0.010+/-0.029 χ^2/NDF:67.9/56

All: 0.008+/-0.021 χ^2/NDF: 118.9/106

asym_atr1l2_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 126.261+/-0.024 χ^2/NDF: 2469115.2/26

Left Out: 305.951+/-0.055 χ^2/NDF:6634999.6/24

Right Out: 115.241+/-0.022 χ^2/NDF: 4398547.7/31

Left In: 303.281+/-0.055 χ^2/NDF:4813426.5/22

Left: 304.605+/-0.039 χ^2/NDF: 11449609.9/47

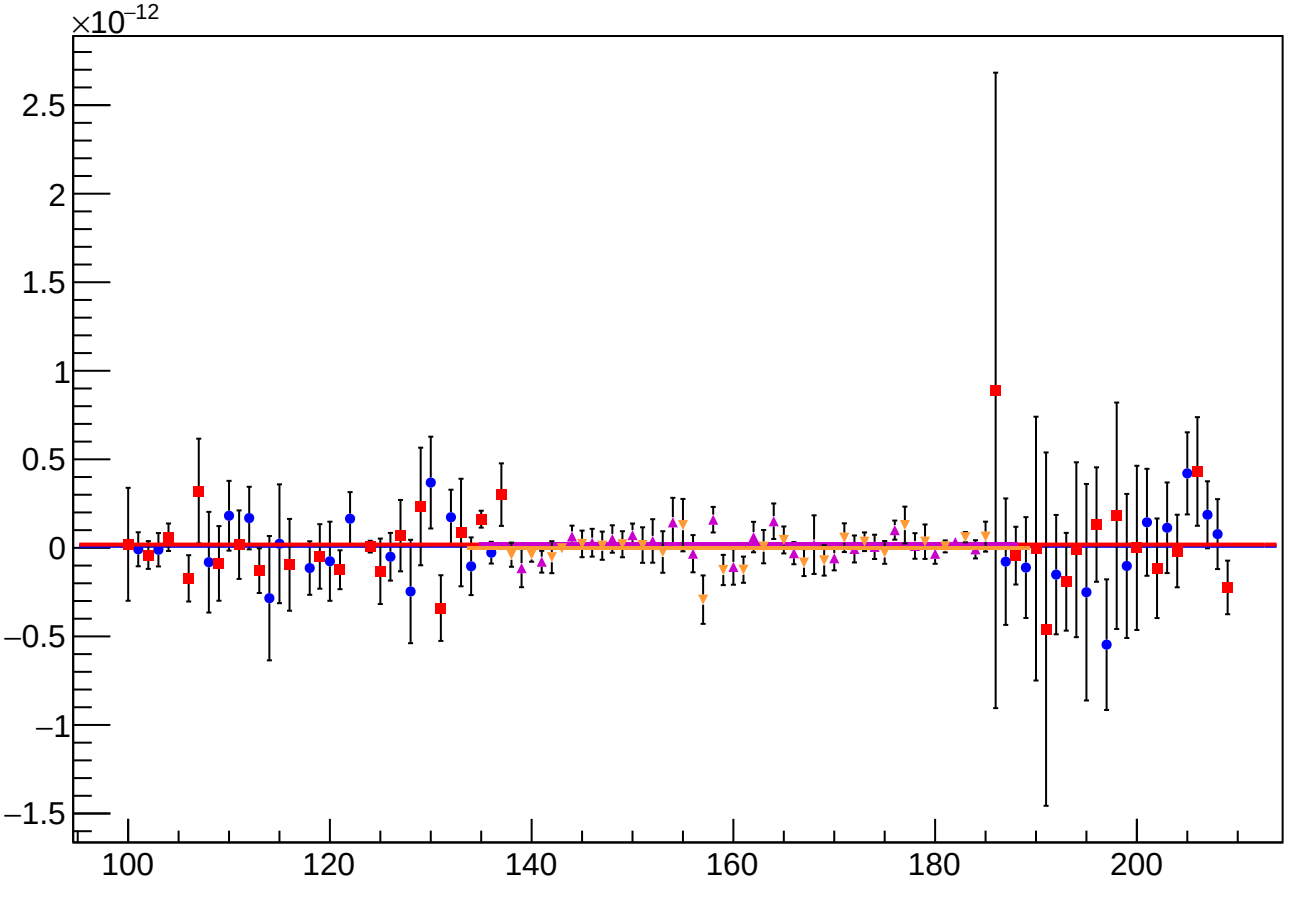
Right: 120.270+/-0.016 χ^2/NDF: 6981570.6/58

In: 155.017+/-0.022 χ^2/NDF:16065814.5/49

Out: 141.573+/-0.020 χ^2/NDF:21355424.9/56

All: 147.804+/-0.015 χ^2/NDF: 37620994.3/10

asym_atr1l2_dd_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 16.7/26

Left Out: -0.000+/-0.000 χ^2/NDF:22.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 30.3/31

Left In: 0.000+/-0.000 χ^2/NDF:19.5/22

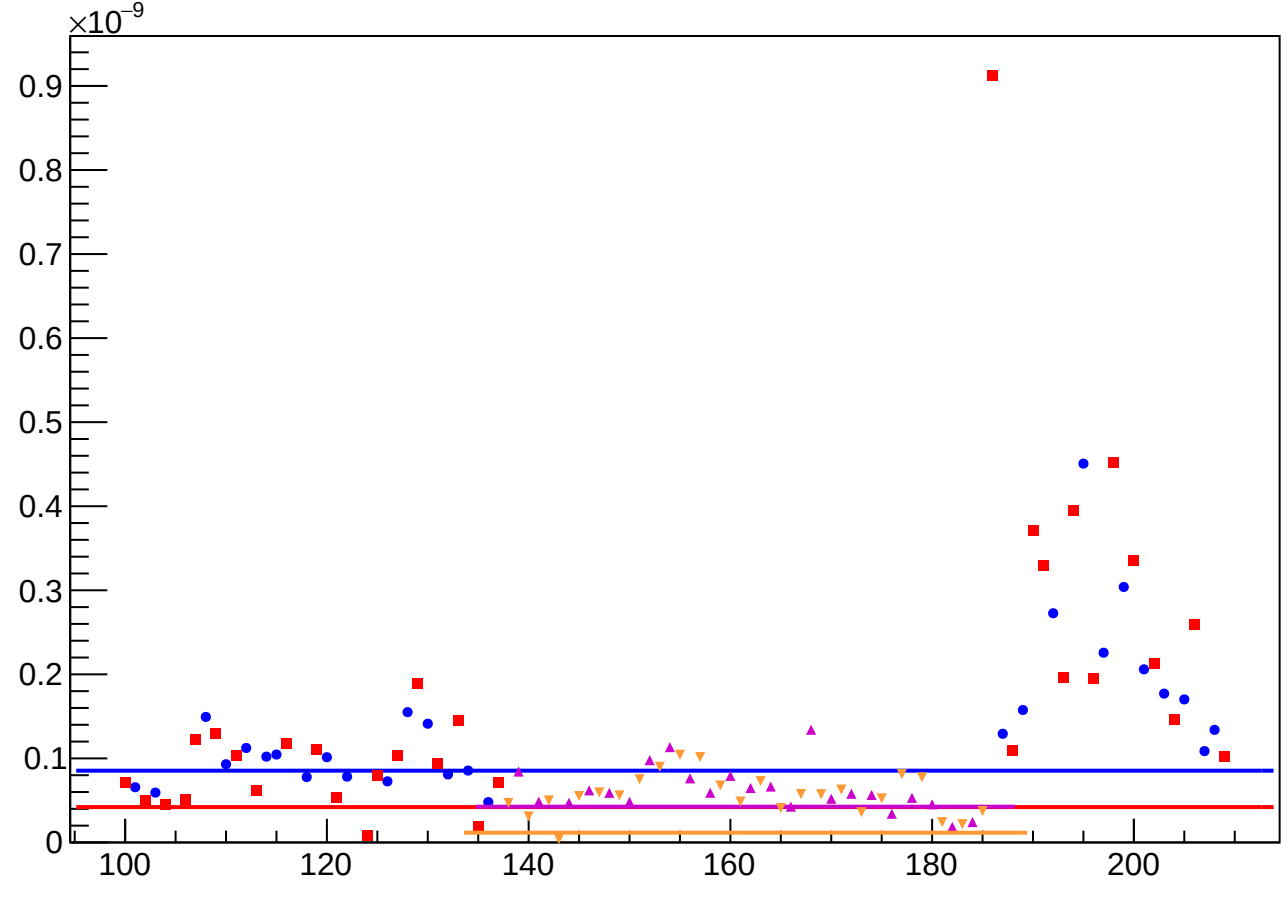
Left: 0.000+/-0.000 χ^2/NDF: 44.0/47

Right: 0.000+/-0.000 χ^2/NDF: 47.0/58

In: 0.000+/-0.000 χ^2/NDF:36.3/49

Out: 0.000+/-0.000 χ^2/NDF:53.1/56

All: 0.000+/-0.000 χ^2/NDF: 91.6/106



Right In: 0.000+/-0.000 χ^2/NDF: 4740193.2/26

Left Out: 0.000+/-0.000 χ^2/NDF:17863822.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 12518563.5/31

Left In: 0.000+/-0.000 χ^2/NDF:5419961.9/22

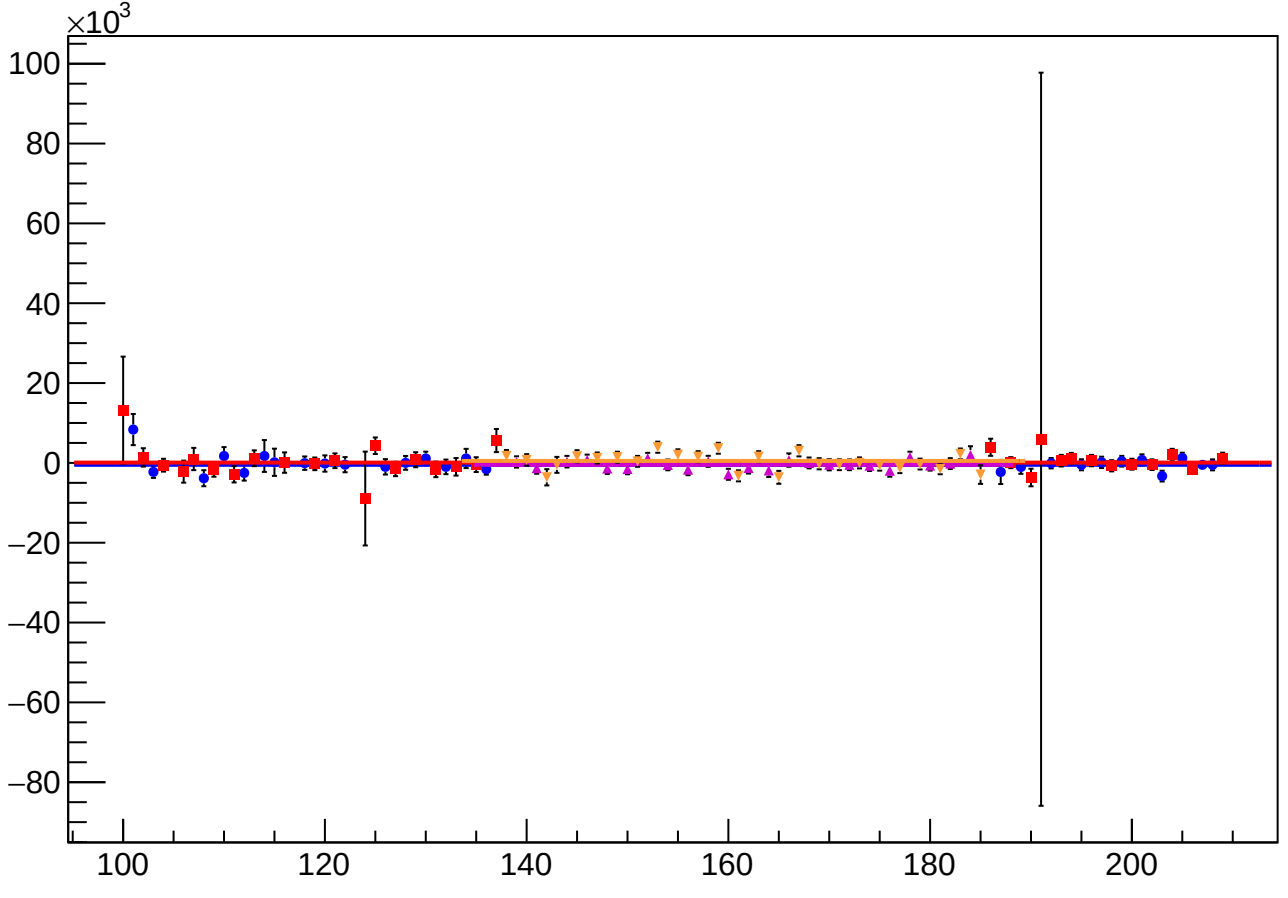
Left: 0.000+/-0.000 χ^2/NDF: 32408011.0/47

Right: 0.000+/-0.000 χ^2/NDF: 19849473.8/58

In: 0.000+/-0.000 χ^2/NDF:13248480.6/49

Out: 0.000+/-0.000 χ^2/NDF:34343689.5/56

All: 0.000+/-0.000 χ^2/NDF: 61070127.4/106



Right In: -478.949+/-323.549 χ^2/NDF: 21.9/26

Left Out: 492.062+/-288.495 χ^2/NDF:46.9/24

Right Out: 72.414+/-315.956 χ^2/NDF: 28.6/31

Left In: -486.821+/-293.769 χ^2/NDF:14.4/22

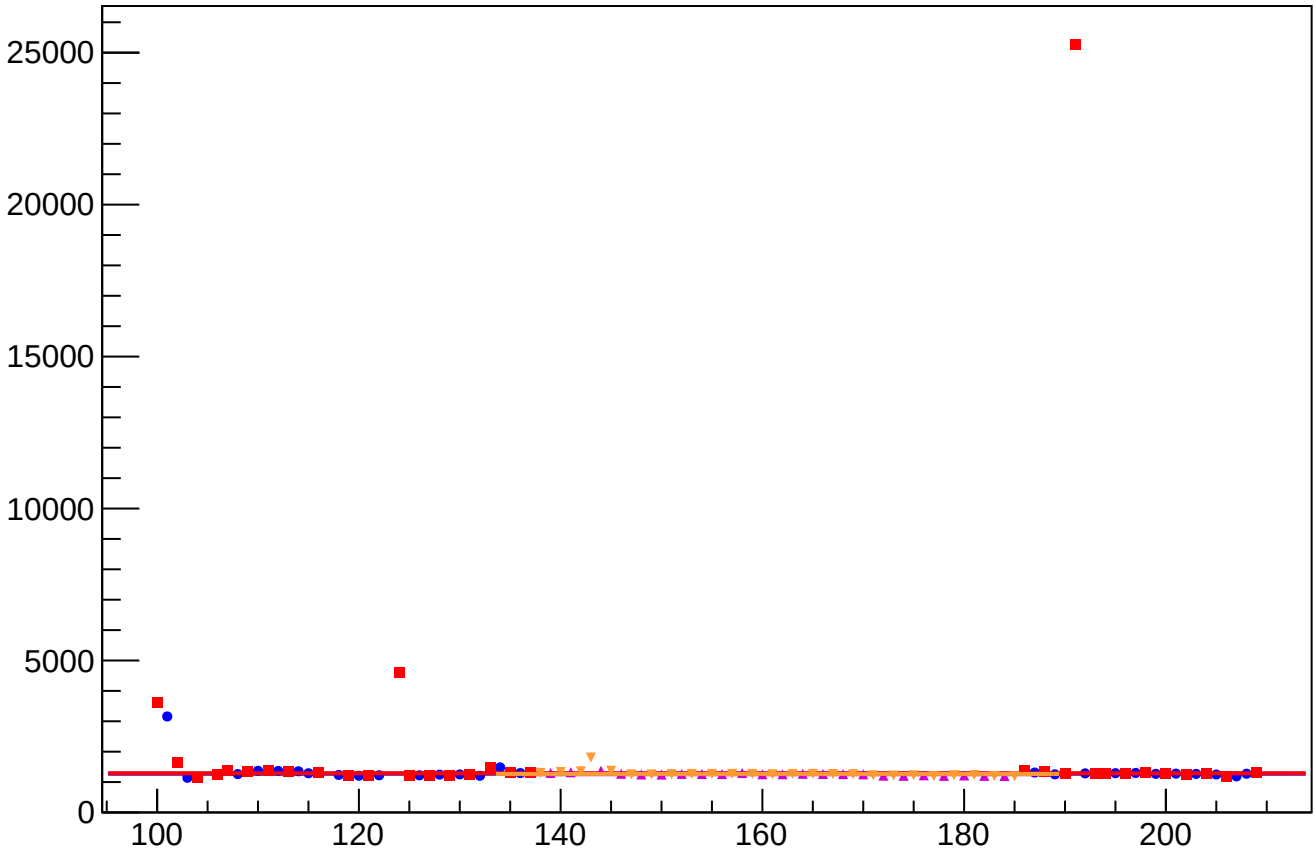
Left: 11.486+/-205.836 χ^2/NDF: 67.0/47

Right: -196.722+/-226.051 χ^2/NDF: 52.0/58

In: -483.264+/-217.494 χ^2/NDF:36.3/49

Out: 301.264+/-213.045 χ^2/NDF:76.5/56

All: -82.894+/-152.194 χ^2/NDF: 119.4/106



Right In: 1276.212+/-0.229 χ^2/NDF: 528341.6/26

Left Out: 1266.967+/-0.204 χ^2/NDF:187545.6/24

Right Out: 1288.848+/-0.223 χ^2/NDF: 482656.1/31

Left In: 1257.551+/-0.208 χ^2/NDF:36816.4/22

Left: 1262.345+/-0.146 χ^2/NDF: 225407.9/47

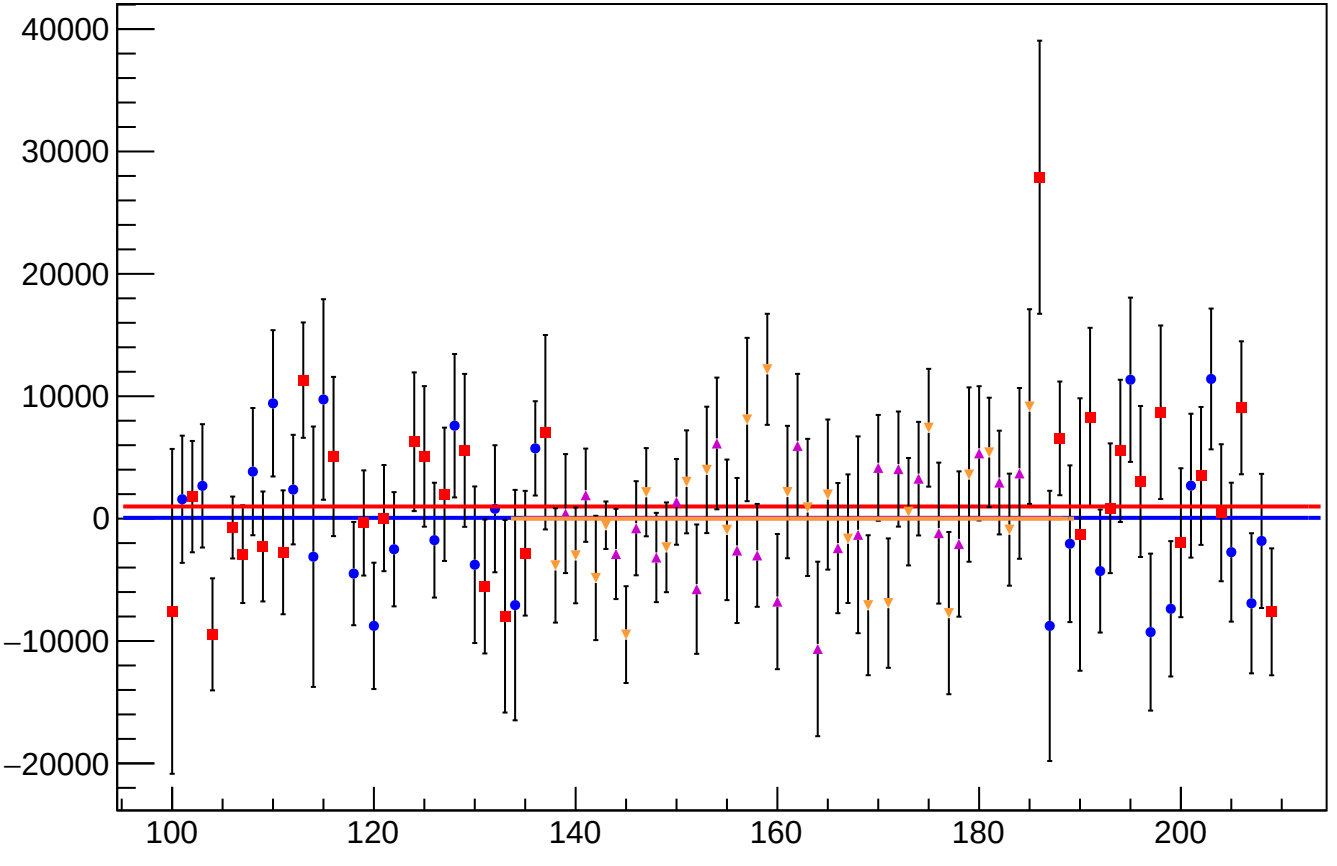
Right: 1282.687+/-0.160 χ^2/NDF: 1012560.6/58

In: 1265.984+/-0.154 χ^2/NDF:568804.6/49

Out: 1276.927+/-0.151 χ^2/NDF:675438.4/56

All: 1271.571+/-0.108 χ^2/NDF: 1246828.5/10

asym_atl_dd_atr_dd_avg_reg_correction_mean vs Slug, Sign Corrected



Right In: 63.227+/-1069.204 χ^2/NDF: 28.6/26

Left Out: -0.604+/-886.488 χ^2/NDF:29.1/24

Right Out: 990.257+/-926.828 χ^2/NDF: 34.9/31

Left In: 31.593+/-995.348 χ^2/NDF:14.0/22

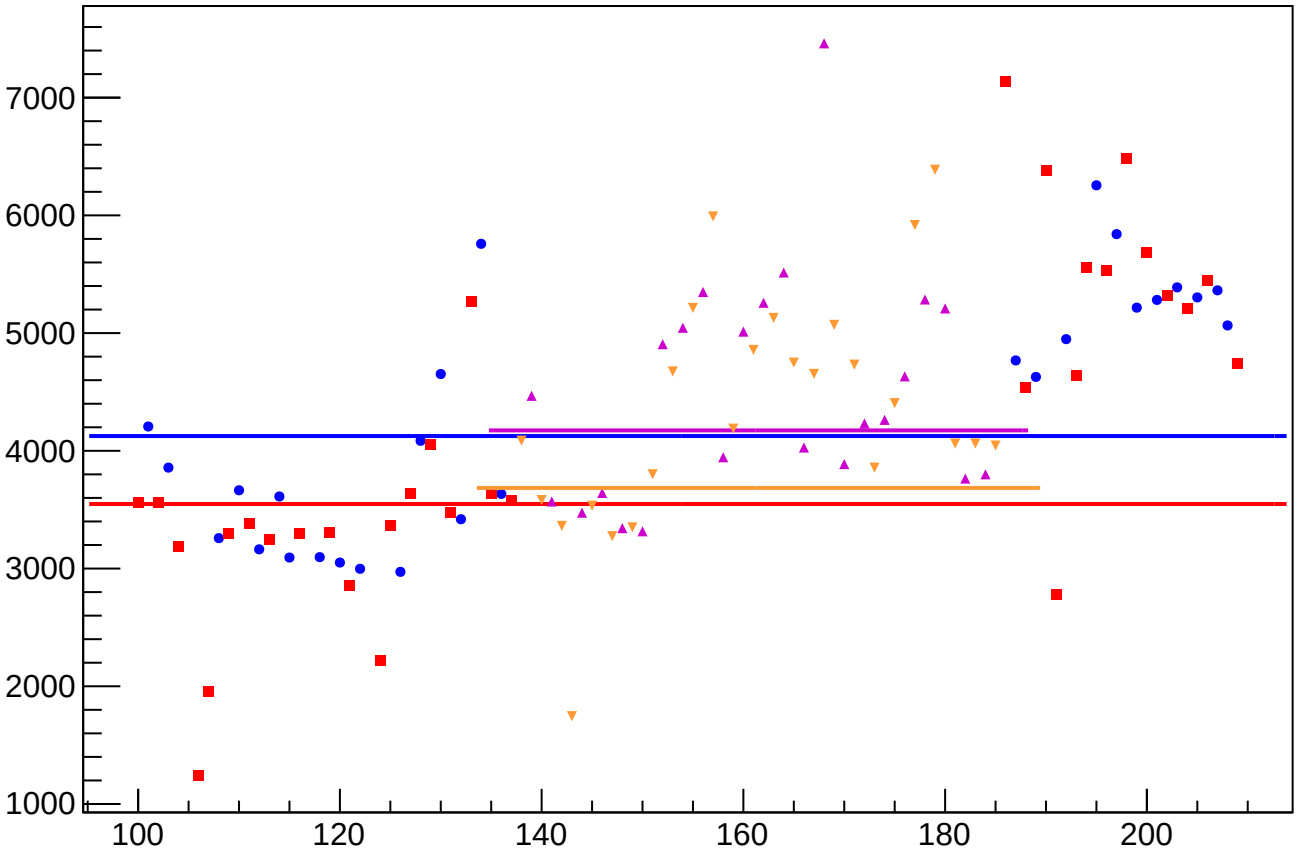
Left: 13.638+/-661.996 χ^2/NDF: 43.1/47

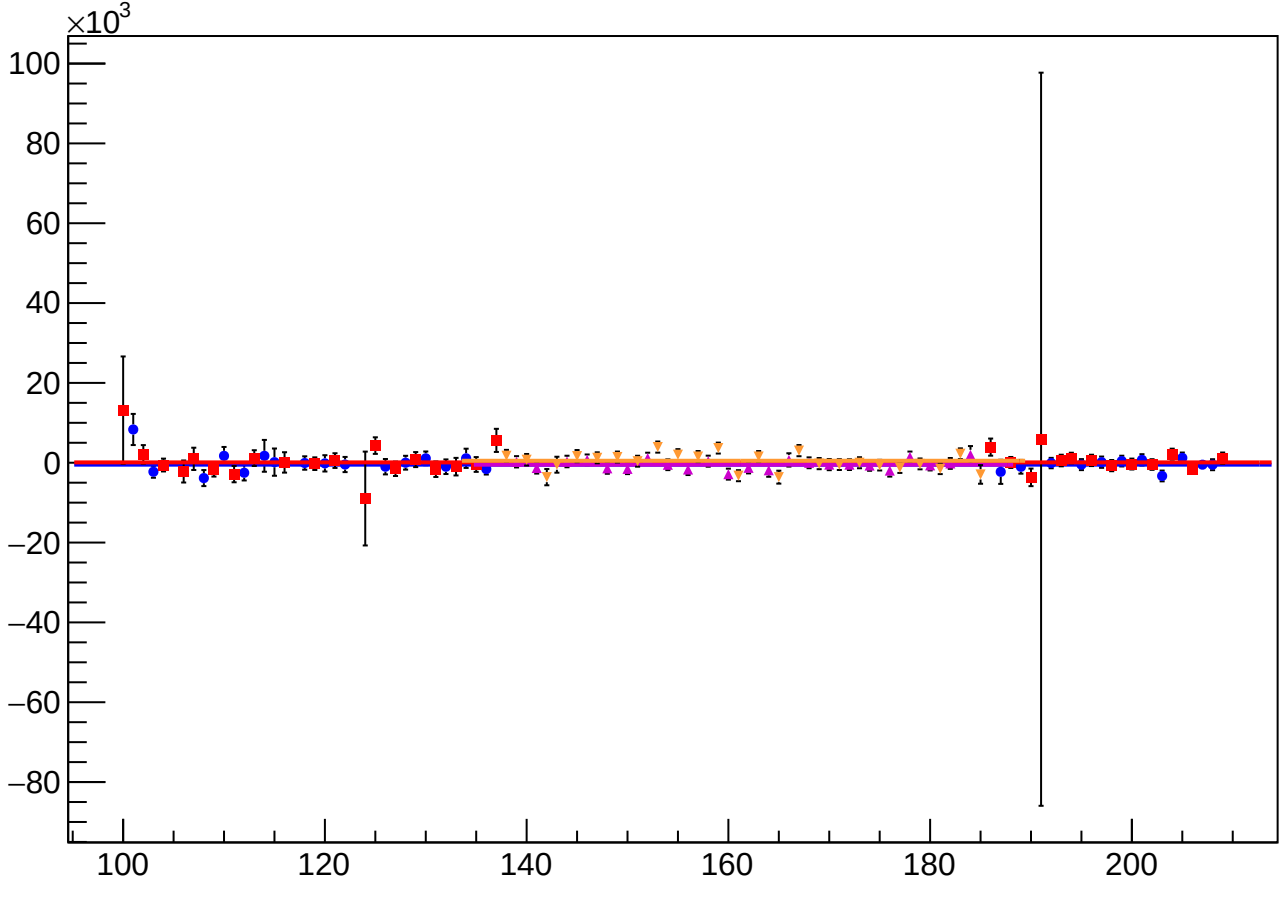
Right: 592.531+/-700.334 χ^2/NDF: 63.9/58

In: 46.280+/-728.529 χ^2/NDF:42.6/49

Out: 472.794+/-640.628 χ^2/NDF:64.5/56

All: 286.807+/-481.085 χ^2/NDF: 107.4/106


asym_atl_dd_atr_dd_avg_reg_correction_rms vs Slug, Sign Corrected
7000
6000
5000
4000
3000
2000
1000
100
120
140
160
180
200
Right In: 4125.558+/-0.756 χ²/NDF: 1696125.4/26
Left Out: 3684.769+/-0.627 χ²/NDF:3693646.6/24
Right Out: 3548.368+/-0.655 χ²/NDF: 4589244.6/31
Left In: 4173.556+/-0.704 χ²/NDF:1274968.4/22
Left: 3900.981+/-0.468 χ²/NDF: 5237573.9/47
Right: 3796.001+/-0.495 χ²/NDF: 6618150.6/58
In: 4151.272+/-0.515 χ²/NDF:2973253.0/49
Out: 3619.601+/-0.453 χ²/NDF:8305513.1/56
All: 3851.443+/-0.340 χ²/NDF: 11879458.5/



Right In: -479.091+/-323.549 χ^2/NDF: 21.9/26

Left Out: 492.079+/-288.495 χ^2/NDF:46.9/24

Right Out: 84.649+/-316.044 χ^2/NDF: 29.0/31

Left In: -486.720+/-293.769 χ^2/NDF:14.4/22

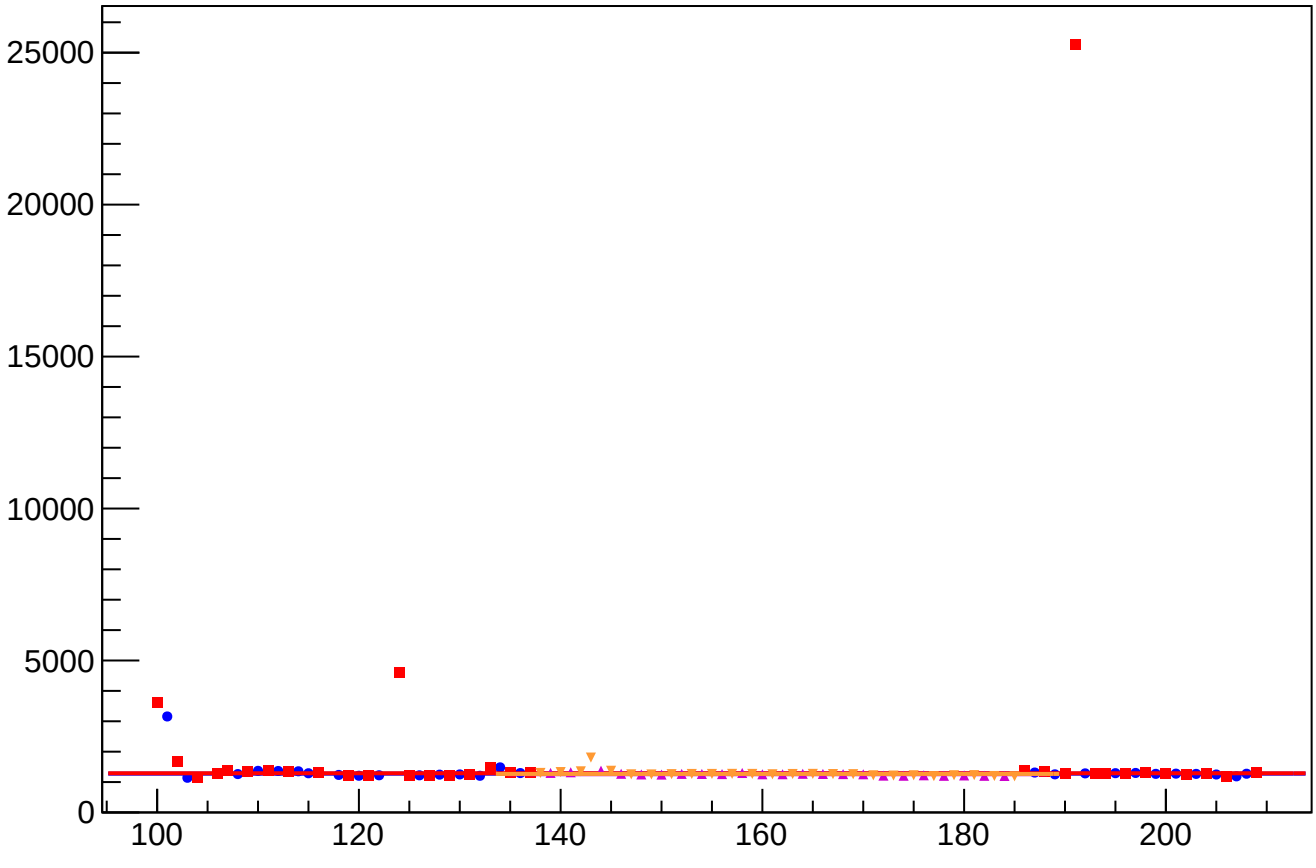
Left: 11.544+/-205.836 χ^2/NDF: 67.0/47

Right: -190.607+/-226.084 χ^2/NDF: 52.5/58

In: -483.273+/-217.494 χ^2/NDF:36.3/49

Out: 306.892+/-213.072 χ^2/NDF:76.8/56

All: -80.076+/-152.204 χ^2/NDF: 119.9/106



Right In: 1276.212+/-0.229 χ^2/NDF: 528343.0/26

Left Out: 1266.968+/-0.204 χ^2/NDF:187545.6/24

Right Out: 1289.688+/-0.223 χ^2/NDF: 489542.4/31

Left In: 1257.551+/-0.208 χ^2/NDF:36816.3/22

Left: 1262.345+/-0.146 χ^2/NDF: 225407.9/47

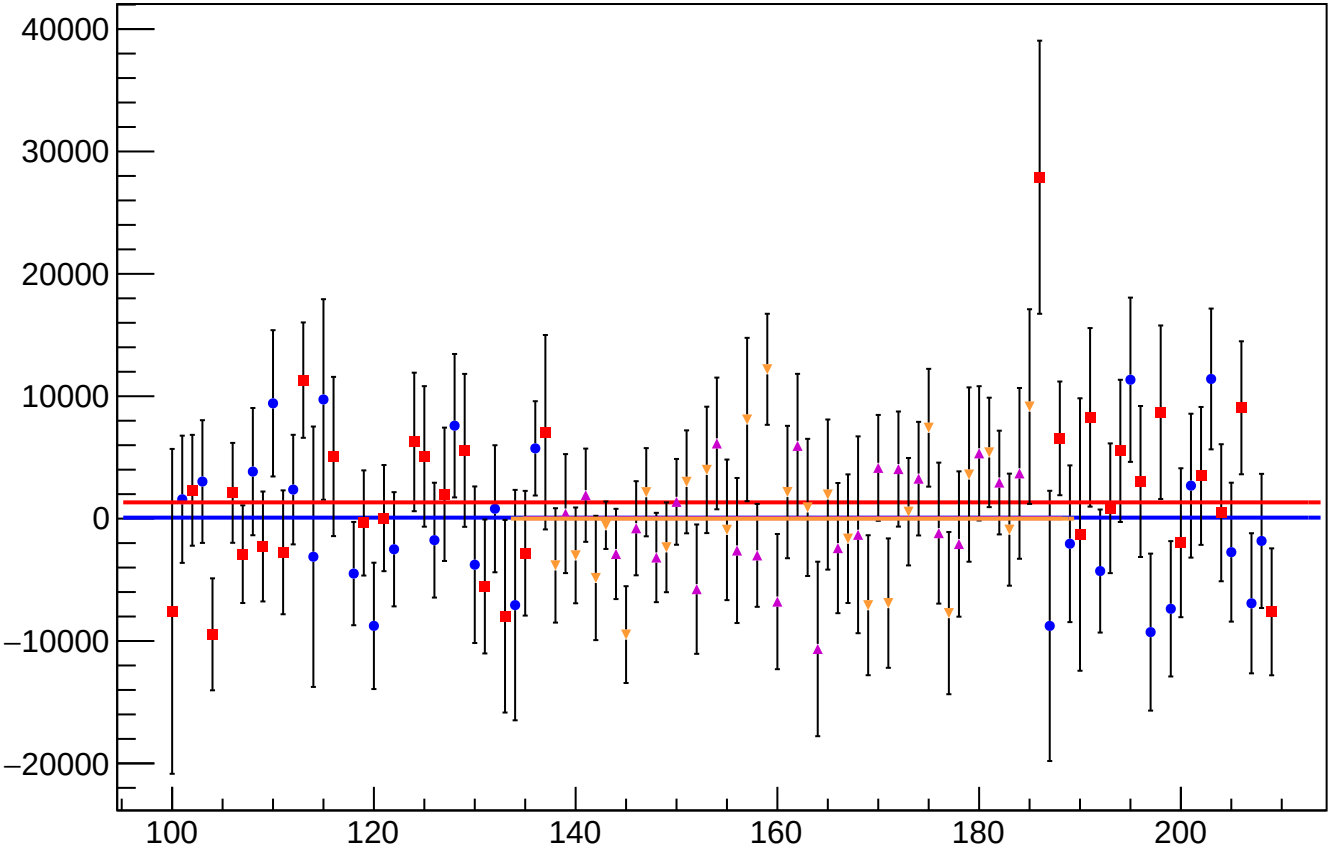
Right: 1283.113+/-0.160 χ^2/NDF: 1019662.2/58

In: 1265.984+/-0.154 χ^2/NDF:568806.0/49

Out: 1277.303+/-0.151 χ^2/NDF:682731.0/56

All: 1271.762+/-0.108 χ^2/NDF: 1254302.3/10

asym_atl_dd_atr_dd_avg_cor_correction_mean vs Slug, Sign Corrected



Right In: 80.325+/-1068.965 χ^2/NDF: 28.7/26

Left Out: -0.541+/-886.487 χ^2/NDF:29.1/24

Right Out: 1327.247+/-967.445 χ^2/NDF: 34.4/31

Left In: 31.597+/-995.347 χ^2/NDF:14.0/22

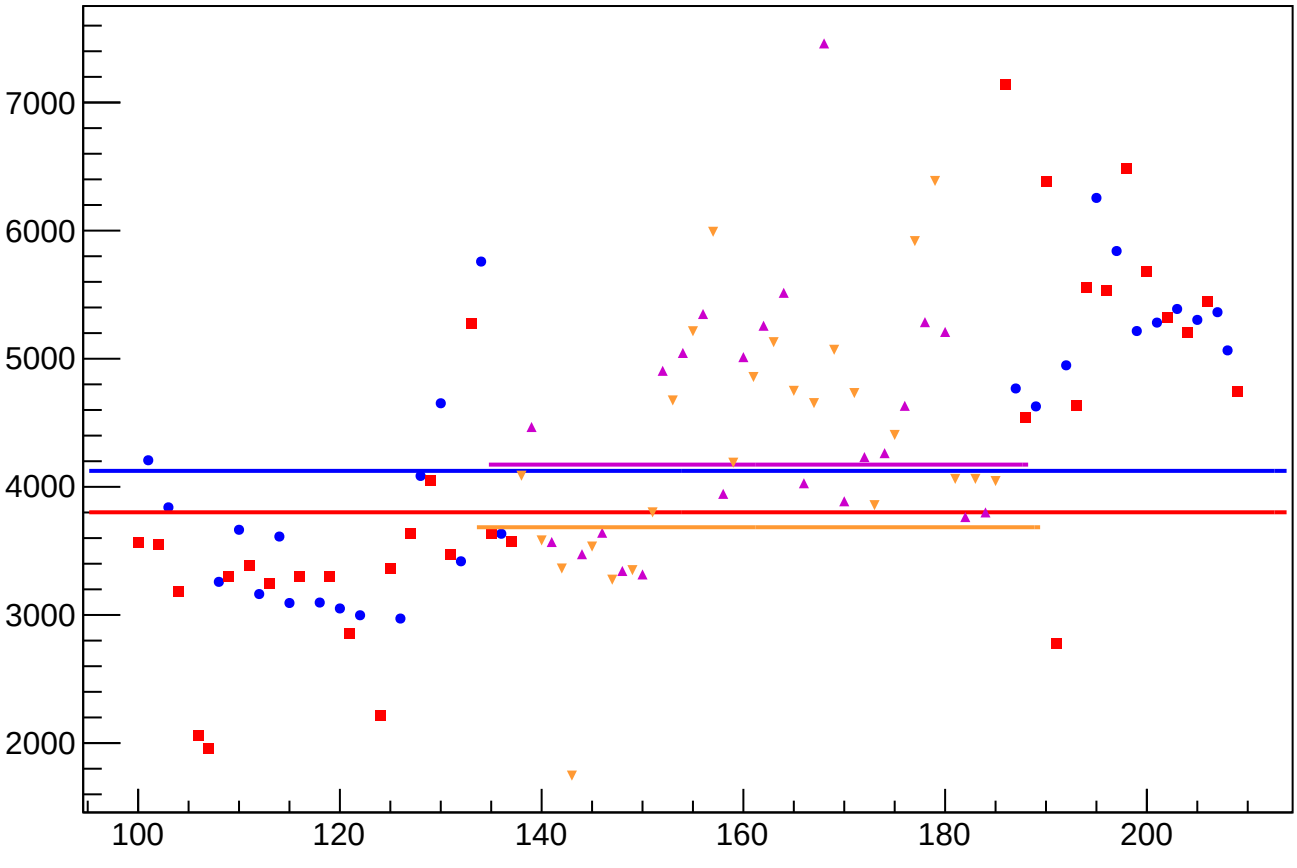
Left: 13.675+/-661.996 χ^2/NDF: 43.1/47

Right: 765.794+/-717.300 χ^2/NDF: 63.9/58

In: 54.226+/-728.453 χ^2/NDF:42.7/49

Out: 605.481+/-653.591 χ^2/NDF:64.5/56

All: 359.626+/-486.480 χ^2/NDF: 107.6/106



Right In: 4124.687+/-0.756 χ^2/NDF: 1696967.8/26

Left Out: 3684.762+/-0.627 χ^2/NDF:3693687.2/24

Right Out: 3801.458+/-0.684 χ^2/NDF: 3054663.8/31

Left In: 4173.550+/-0.704 χ^2/NDF:1274967.5/22

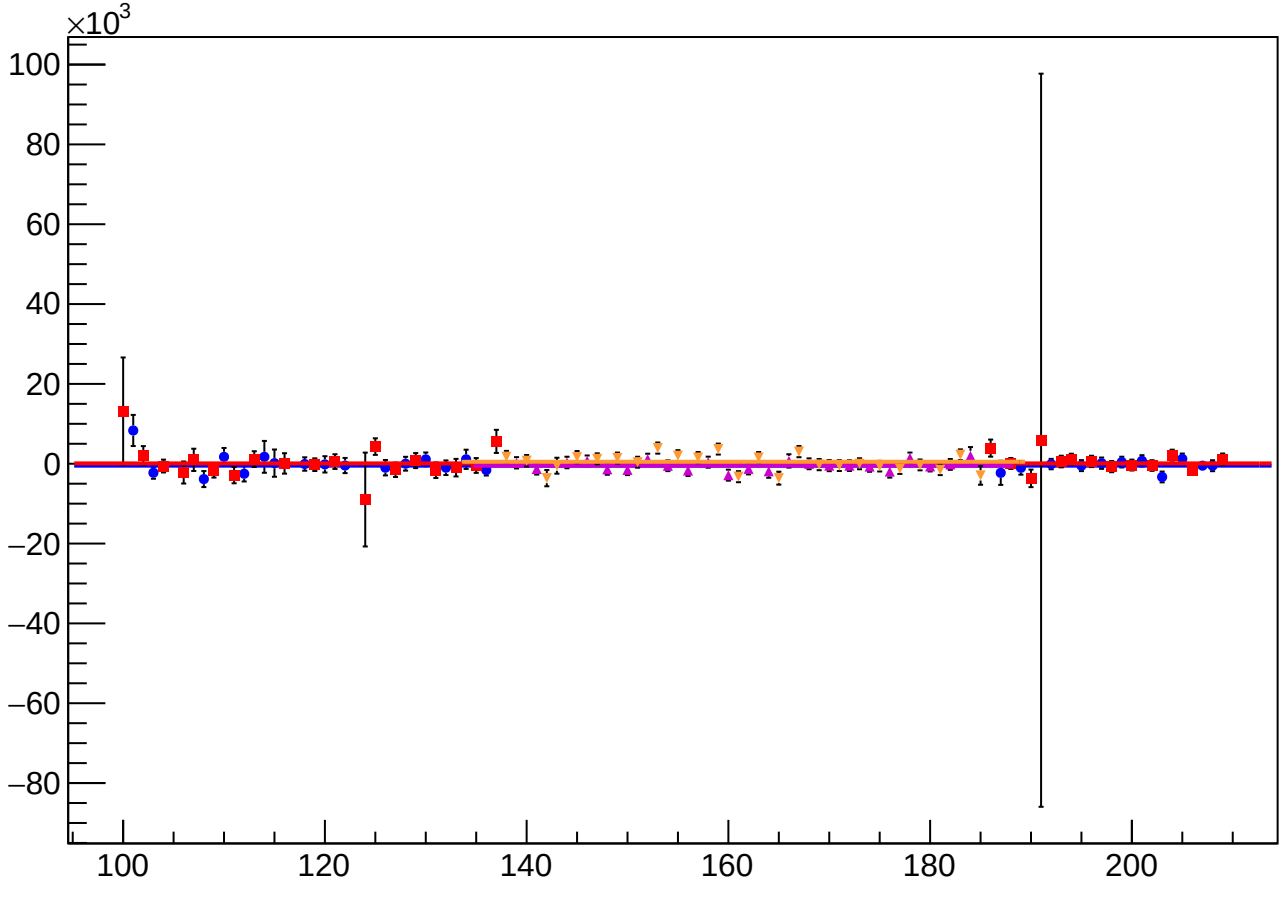
Left: 3900.975+/-0.468 χ^2/NDF: 5237615.0/47

Right: 3946.999+/-0.507 χ^2/NDF: 4852156.2/58

In: 4150.859+/-0.515 χ^2/NDF:2974173.6/49

Out: 3738.024+/-0.462 χ^2/NDF:6764169.3/56

All: 3922.144+/-0.344 χ^2/NDF: 10094217.6/1



Right In: -479.091+/-323.549 χ^2/NDF: 21.9/26

Left Out: 492.079+/-288.495 χ^2/NDF:46.9/24

Right Out: 84.649+/-316.044 χ^2/NDF: 29.0/31

Left In: -486.720+/-293.769 χ^2/NDF:14.4/22

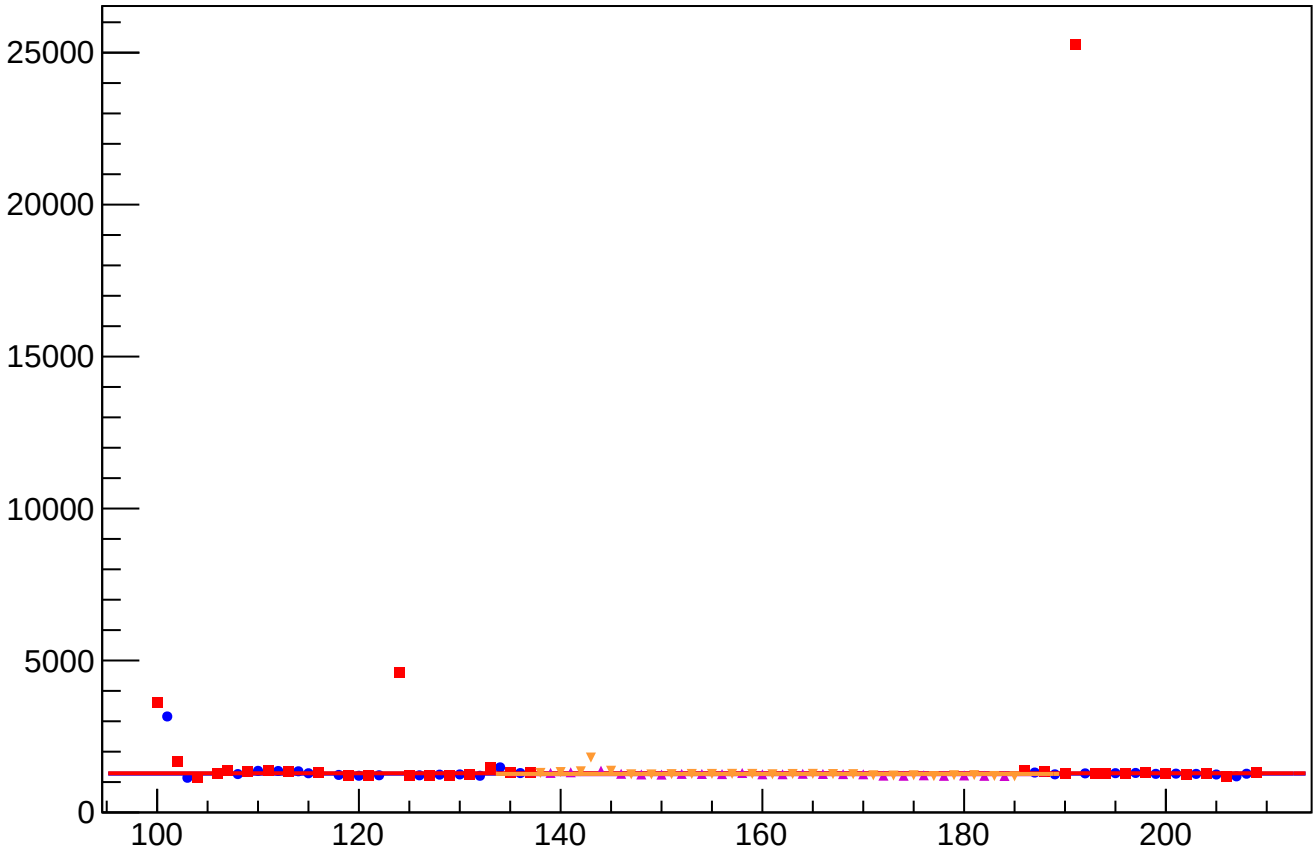
Left: 11.544+/-205.836 χ^2/NDF: 67.0/47

Right: -190.607+/-226.084 χ^2/NDF: 52.5/58

In: -483.273+/-217.494 χ^2/NDF:36.3/49

Out: 306.892+/-213.072 χ^2/NDF:76.8/56

All: -80.076+/-152.204 χ^2/NDF: 119.9/106



Right In: 1276.212+/-0.229 χ^2/NDF: 528343.0/26

Left Out: 1266.968+/-0.204 χ^2/NDF:187545.6/24

Right Out: 1289.688+/-0.223 χ^2/NDF: 489542.4/31

Left In: 1257.551+/-0.208 χ^2/NDF:36816.3/22

Left: 1262.345+/-0.146 χ^2/NDF: 225407.9/47

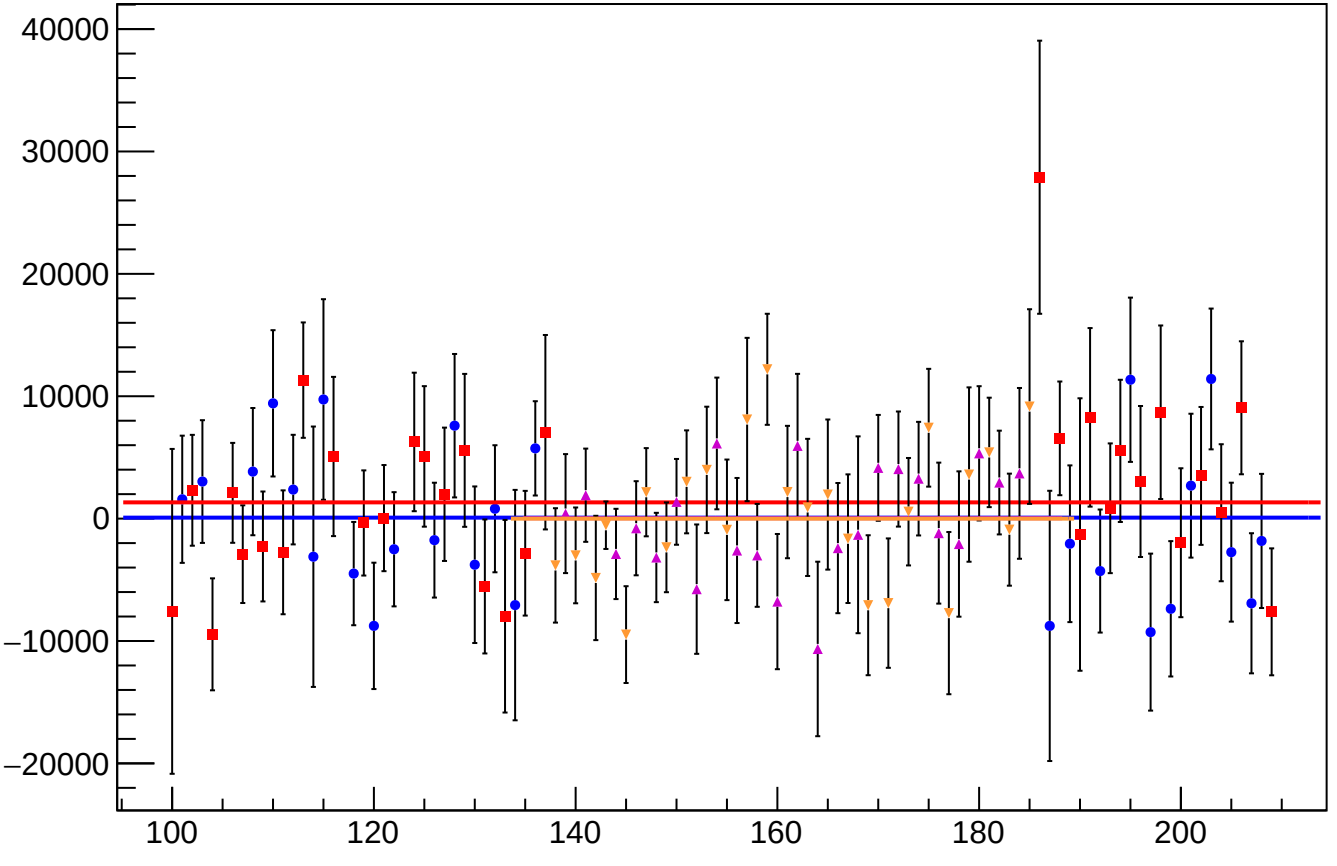
Right: 1283.113+/-0.160 χ^2/NDF: 1019662.2/58

In: 1265.984+/-0.154 χ^2/NDF:568806.0/49

Out: 1277.303+/-0.151 χ^2/NDF:682731.0/56

All: 1271.762+/-0.108 χ^2/NDF: 1254302.3/10

asym_atl_dd_atr_dd_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: 80.325+/-1068.965 χ^2/NDF: 28.7/26

Left Out: -0.541+/-886.487 χ^2/NDF:29.1/24

Right Out: 1327.247+/-967.445 χ^2/NDF: 34.4/31

Left In: 31.597+/-995.347 χ^2/NDF:14.0/22

Left: 13.675+/-661.996 χ^2/NDF: 43.1/47

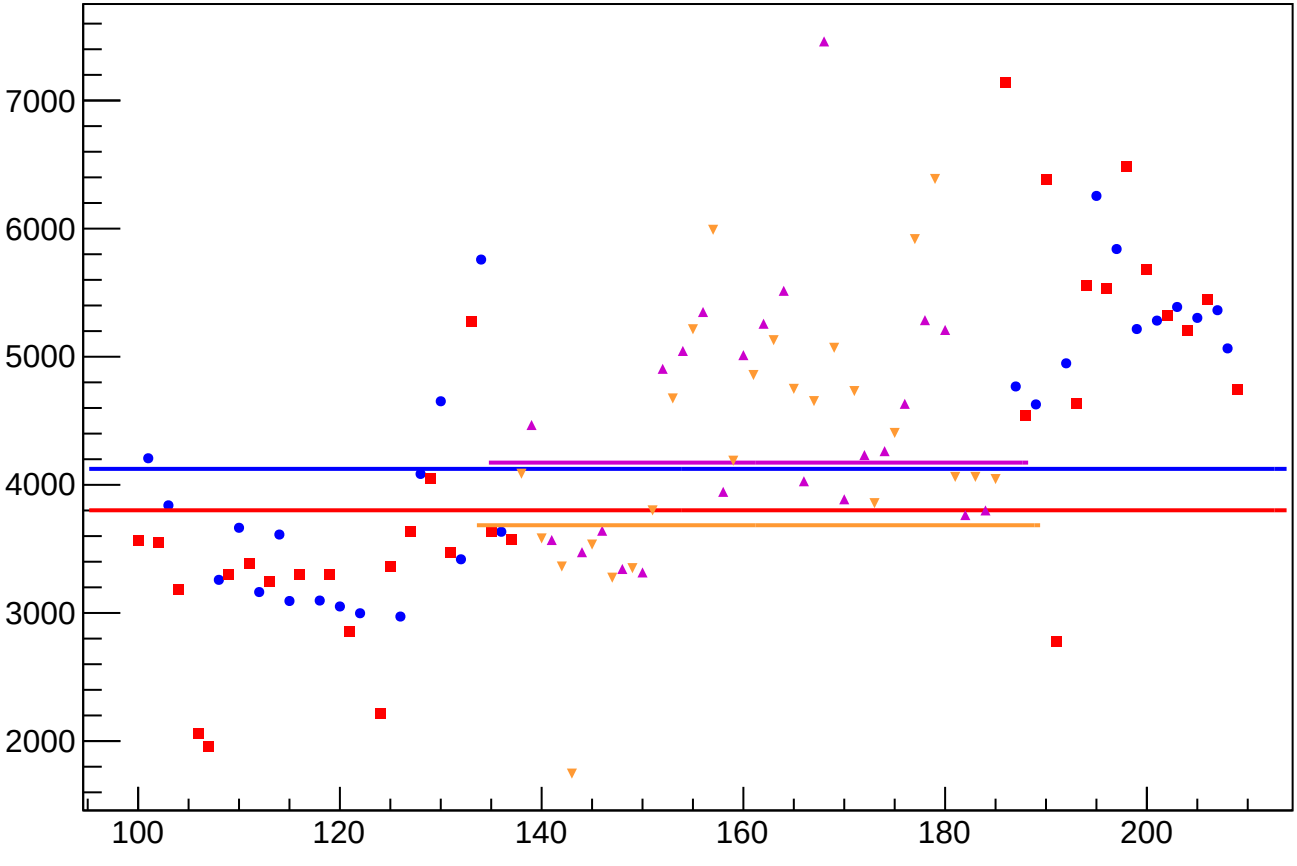
Right: 765.794+/-717.300 χ^2/NDF: 63.9/58

In: 54.226+/-728.453 χ^2/NDF:42.7/49

Out: 605.481+/-653.591 χ^2/NDF:64.5/56

All: 359.626+/-486.480 χ^2/NDF: 107.6/106

asym_atl_dd_atr_dd_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 4124.687+/-0.756 χ^2/NDF: 1696967.8/26

Left Out: 3684.762+/-0.627 χ^2/NDF:3693687.2/24

Right Out: 3801.458+/-0.684 χ^2/NDF: 3054663.8/31

Left In: 4173.550+/-0.704 χ^2/NDF:1274967.5/22

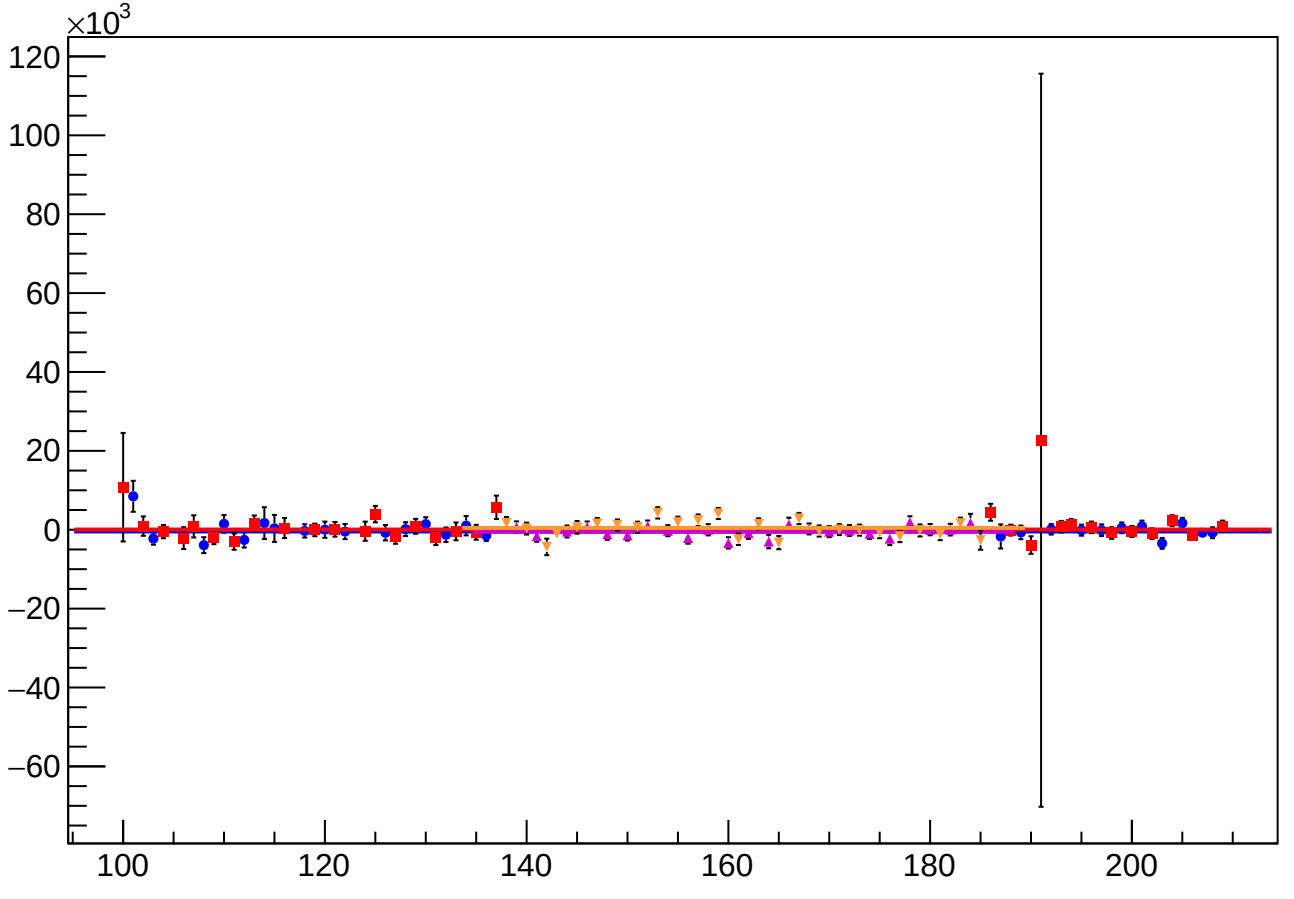
Left: 3900.975+/-0.468 χ^2/NDF: 5237615.0/47

Right: 3946.999+/-0.507 χ^2/NDF: 4852156.2/58

In: 4150.859+/-0.515 χ^2/NDF:2974173.6/49

Out: 3738.024+/-0.462 χ^2/NDF:6764169.3/56

All: 3922.144+/-0.344 χ^2/NDF: 10094217.6/1



Right In: -436.980+/-328.073 χ^2/NDF: 23.3/26

Left Out: 467.929+/-294.257 χ^2/NDF:44.1/24

Right Out: 47.938+/-318.441 χ^2/NDF: 29.4/31

Left In: -503.558+/-307.055 χ^2/NDF:17.4/22

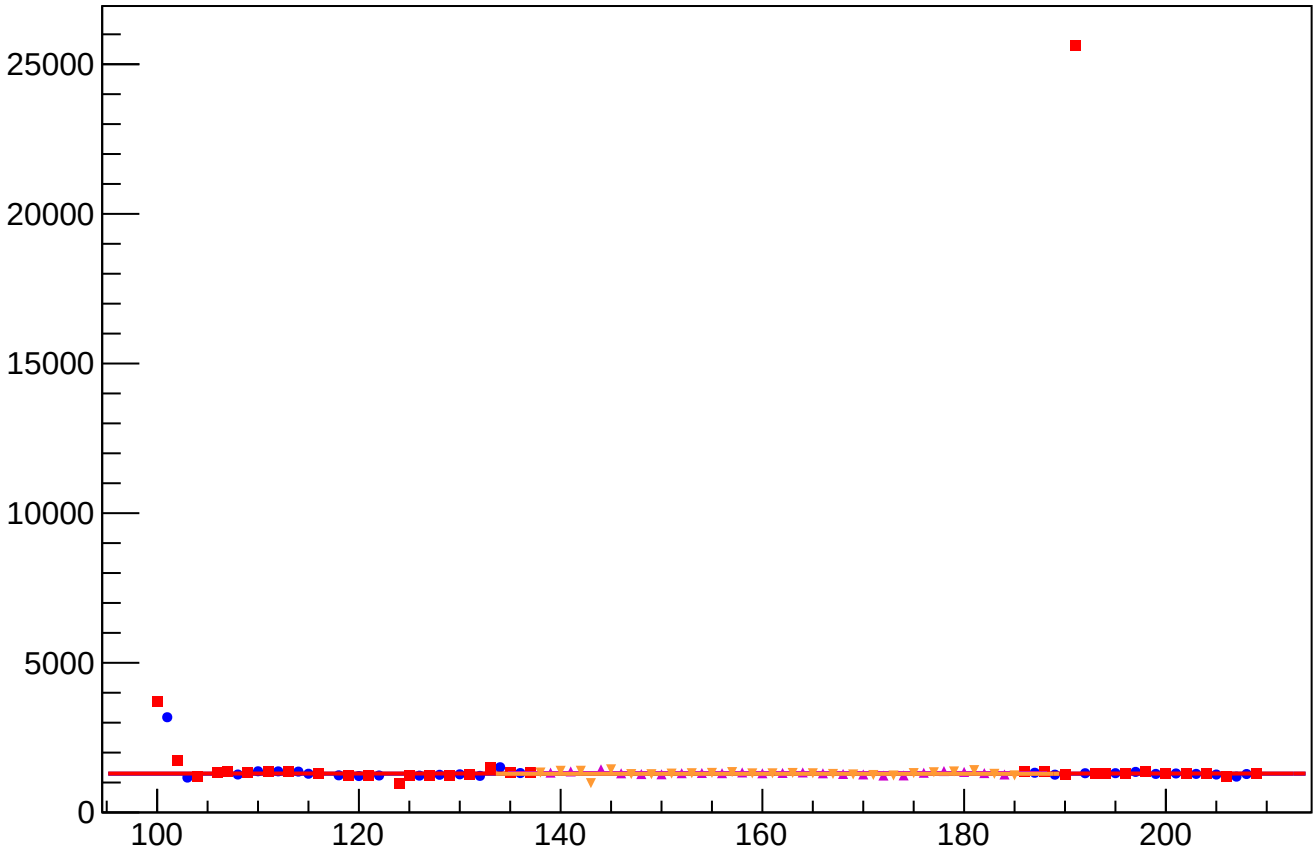
Left: 2.853+/-212.452 χ^2/NDF: 66.7/47

Right: -187.298+/-228.501 χ^2/NDF: 53.8/58

In: -472.470+/-224.183 χ^2/NDF:40.7/49

Out: 274.485+/-216.116 χ^2/NDF:74.4/56

All: -85.311+/-155.591 χ^2/NDF: 120.9/106



Right In: 1293.910+/-0.232 χ^2/NDF: 528931.1/26

Left Out: 1291.211+/-0.208 χ^2/NDF:230735.1/24

Right Out: 1300.850+/-0.225 χ^2/NDF: 378231.7/31

Left In: 1314.006+/-0.217 χ^2/NDF:43044.7/22

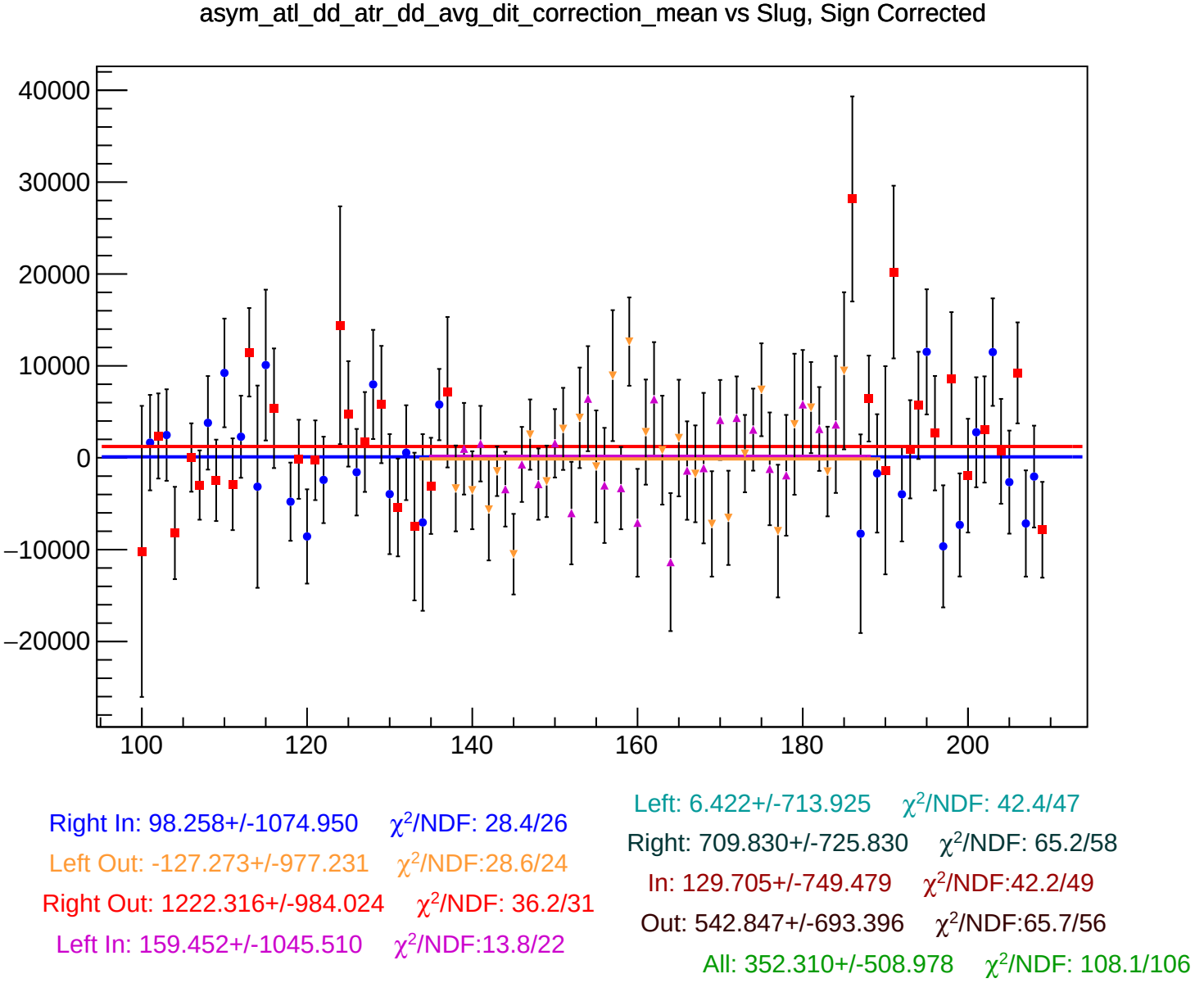
Left: 1302.123+/-0.150 χ^2/NDF: 279525.5/47

Right: 1297.484+/-0.162 χ^2/NDF: 907623.8/58

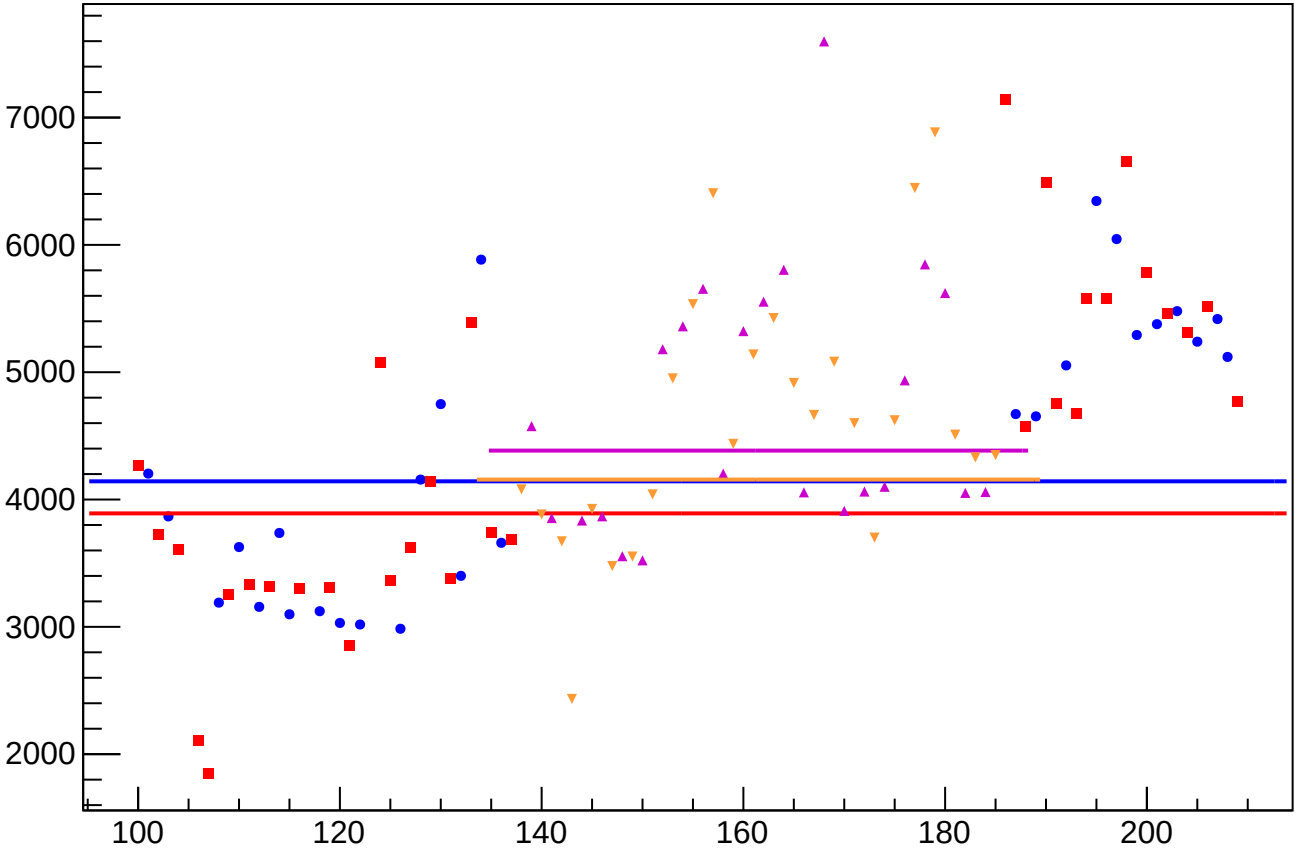
In: 1304.622+/-0.159 χ^2/NDF:575976.0/49

Out: 1295.652+/-0.153 χ^2/NDF:609955.6/56

All: 1299.972+/-0.110 χ^2/NDF: 1187591.5/10


asym_atl_dd_atr_dd_avg_dit_correction_mean vs Slug, Sign Corrected
40000
30000
20000
10000
0
−10000
−20000
100
120
140
160
180
200
Right In: 98.258+/-1074.950 χ²/NDF: 28.4/26
Left Out: -127.273+/-977.231 χ²/NDF:28.6/24
Right Out: 1222.316+/-984.024 χ²/NDF: 36.2/31
Left In: 159.452+/-1045.510 χ²/NDF:13.8/22
Left: 6.422+/-713.925 χ²/NDF: 42.4/47
Right: 709.830+/-725.830 χ²/NDF: 65.2/58
In: 129.705+/-749.479 χ²/NDF:42.2/49
Out: 542.847+/-693.396 χ²/NDF:65.7/56
All: 352.310+/-508.978 χ²/NDF: 108.1/106

asym_atl_dd_atr_dd_avg_dit_correction_rms vs Slug, Sign Corrected



Right In: 4143.082+/-0.760 χ^2/NDF: 1785243.1/26

Left Out: 4156.582+/-0.691 χ^2/NDF:2080766.1/24

Right Out: 3891.188+/-0.696 χ^2/NDF: 3116996.9/31

Left In: 4384.323+/-0.739 χ^2/NDF:1255470.8/22

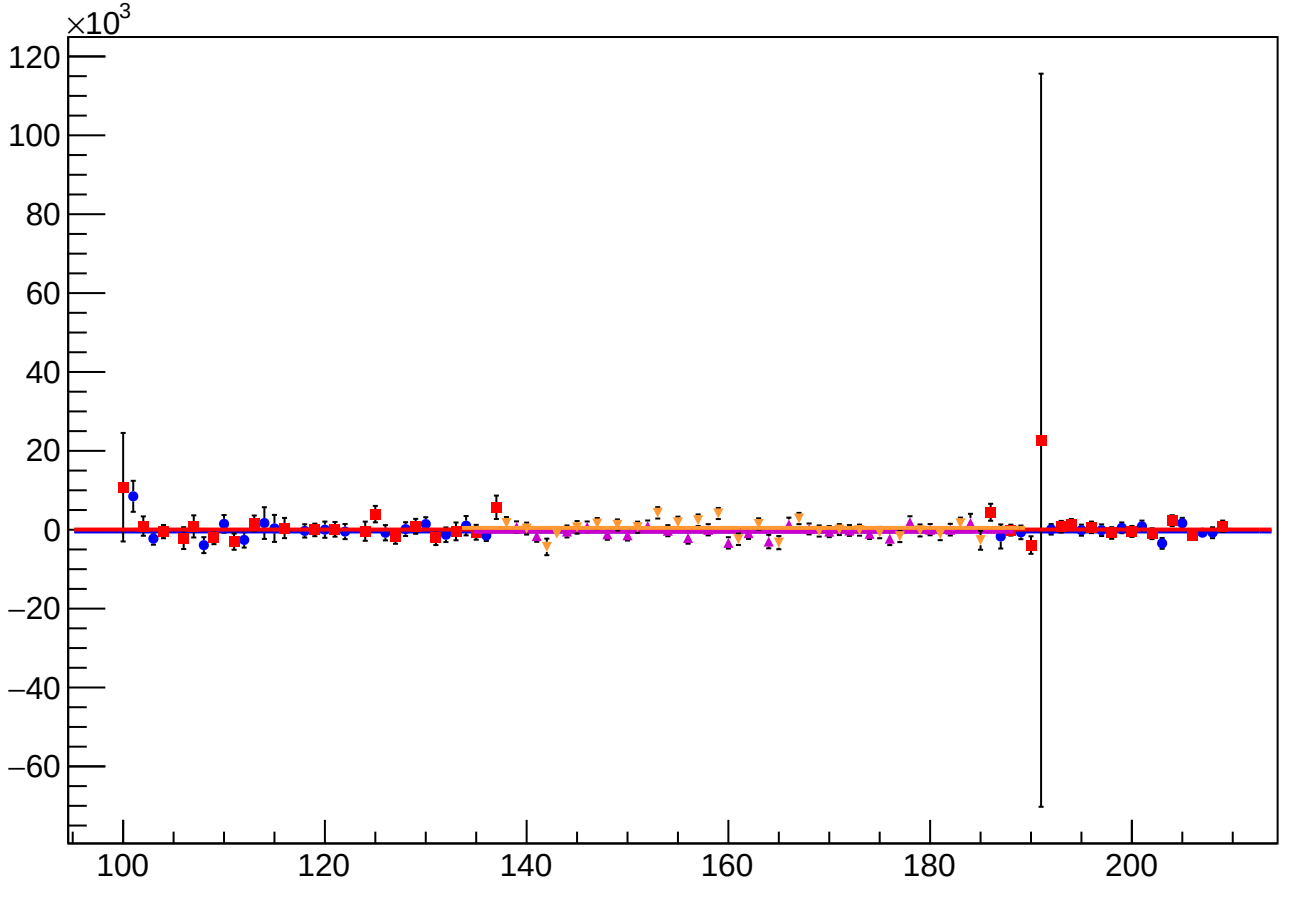
Left: 4262.773+/-0.505 χ^2/NDF: 3386885.6/47

Right: 4006.033+/-0.513 χ^2/NDF: 4961991.5/58

In: 4267.051+/-0.530 χ^2/NDF:3092476.6/49

Out: 4024.804+/-0.490 χ^2/NDF:5271006.5/56

All: 4136.526+/-0.360 χ^2/NDF: 8476063.9/10



Right In: -436.981+/-328.073 χ^2/NDF: 23.3/26

Left Out: 467.933+/-294.257 χ^2/NDF:44.1/24

Right Out: 47.936+/-318.441 χ^2/NDF: 29.4/31

Left In: -503.558+/-307.056 χ^2/NDF:17.4/22

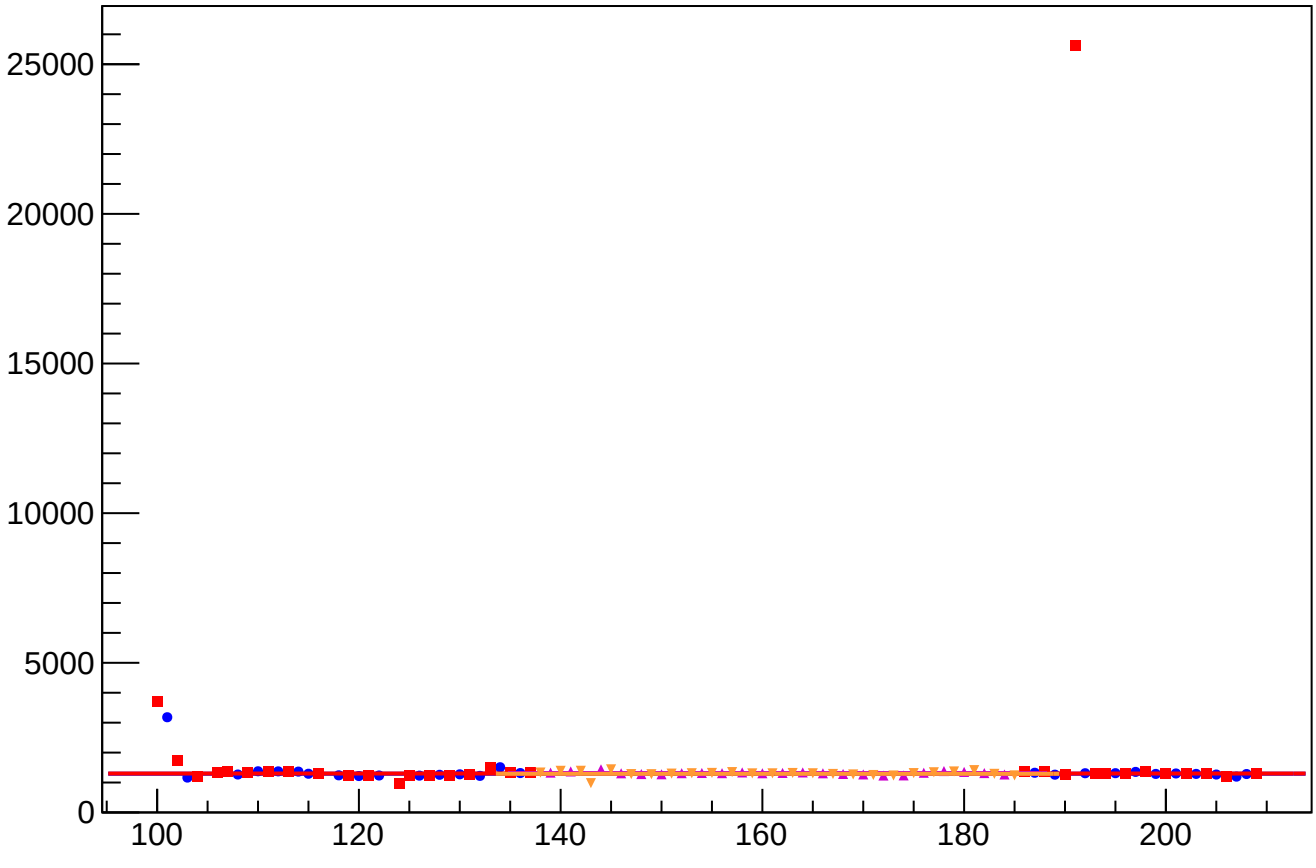
Left: 2.855+/-212.452 χ^2/NDF: 66.7/47

Right: -187.299+/-228.501 χ^2/NDF: 53.8/58

In: -472.470+/-224.183 χ^2/NDF:40.7/49

Out: 274.486+/-216.116 χ^2/NDF:74.4/56

All: -85.310+/-155.591 χ^2/NDF: 120.9/106



Right In: 1293.910+/-0.232 χ^2/NDF: 528931.2/26

Left Out: 1291.212+/-0.208 χ^2/NDF:230737.6/24

Right Out: 1300.850+/-0.225 χ^2/NDF: 378231.8/31

Left In: 1314.007+/-0.217 χ^2/NDF:43046.8/22

Left: 1302.125+/-0.150 χ^2/NDF: 279530.2/47

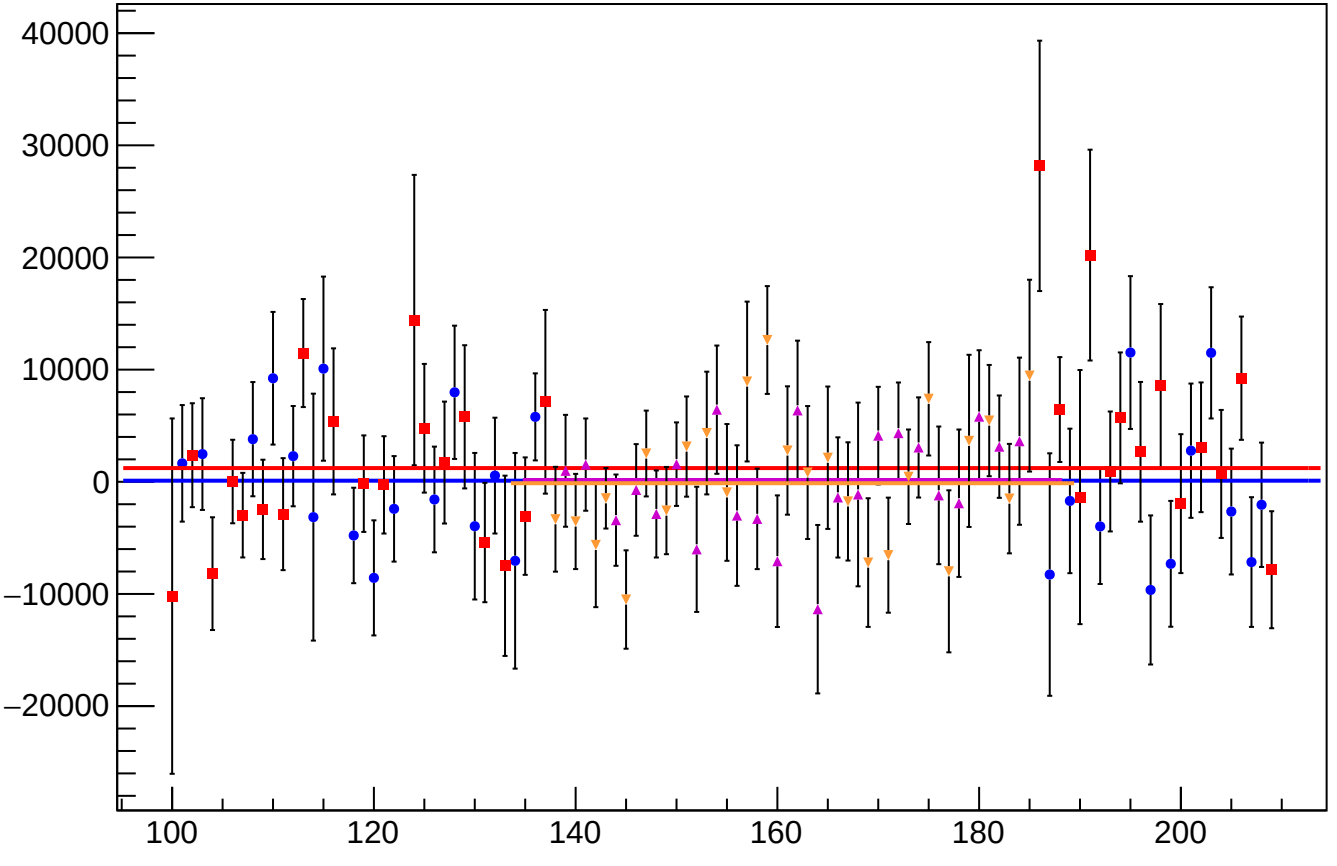
Right: 1297.485+/-0.162 χ^2/NDF: 907624.0/58

In: 1304.623+/-0.159 χ^2/NDF:575978.8/49

Out: 1295.653+/-0.153 χ^2/NDF:609958.0/56

All: 1299.973+/-0.110 χ^2/NDF: 1187596.6/10

asym_atl_dd_atr_dd_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: 98.254+/-1074.949 χ^2/NDF: 28.4/26

Left Out: -127.271+/-977.232 χ^2/NDF:28.6/24

Right Out: 1222.309+/-984.023 χ^2/NDF: 36.2/31

Left In: 159.454+/-1045.511 χ^2/NDF:13.8/22

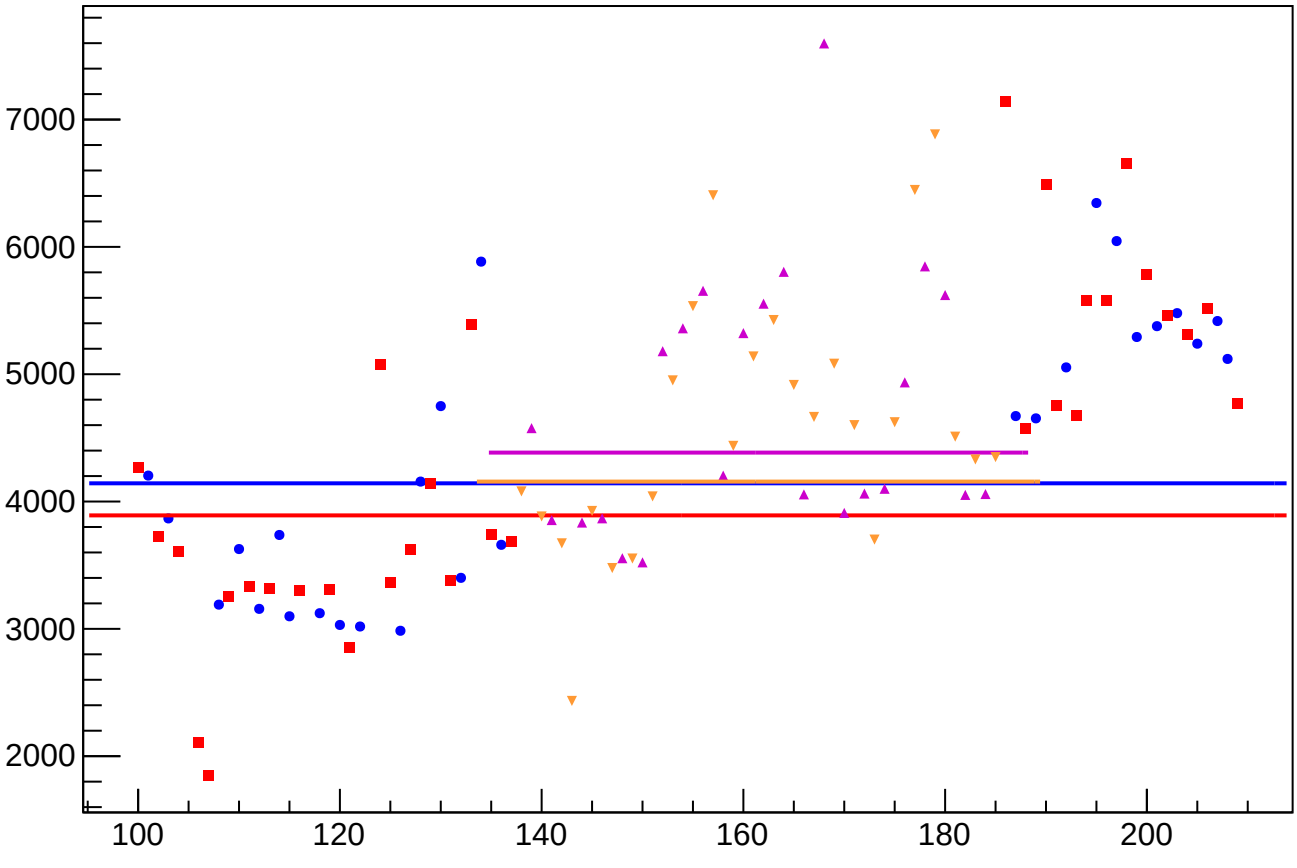
Left: 6.424+/-713.926 χ^2/NDF: 42.4/47

Right: 709.824+/-725.830 χ^2/NDF: 65.2/58

In: 129.703+/-749.479 χ^2/NDF:42.2/49

Out: 542.846+/-693.396 χ^2/NDF:65.7/56

All: 352.309+/-508.978 χ^2/NDF: 108.1/106



Right In: 4143.076+/-0.760 χ^2/NDF: 1785274.0/26

Left Out: 4156.588+/-0.691 χ^2/NDF:2080769.0/24

Right Out: 3891.181+/-0.696 χ^2/NDF: 3117026.5/31

Left In: 4384.329+/-0.739 χ^2/NDF:1255475.0/22

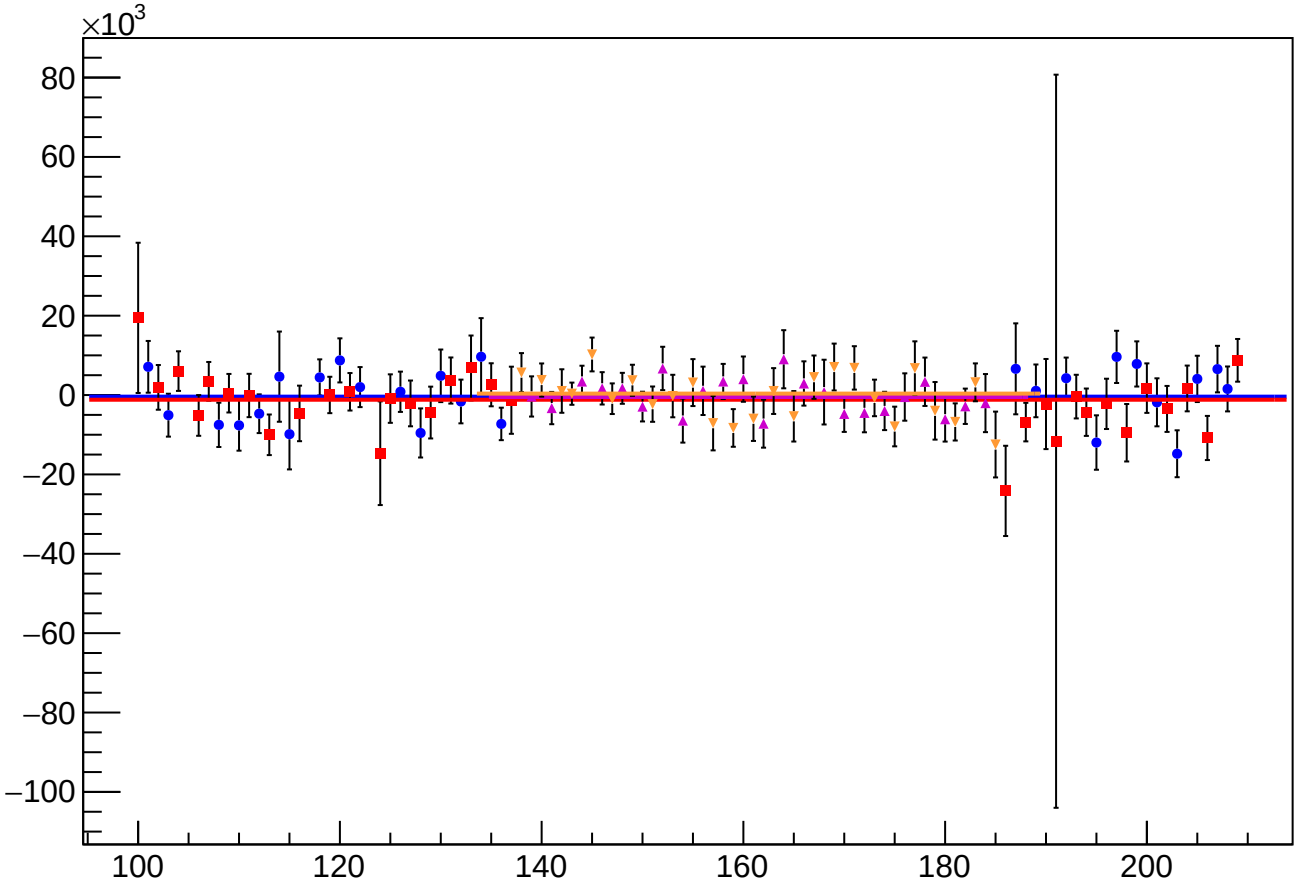
Left: 4262.780+/-0.505 χ^2/NDF: 3386892.6/47

Right: 4006.026+/-0.513 χ^2/NDF: 4962052.1/58

In: 4267.051+/-0.530 χ^2/NDF:3092517.2/49

Out: 4024.804+/-0.490 χ^2/NDF:5271045.9/56

All: 4136.526+/-0.360 χ^2/NDF: 8476144.2/10



Right In: -403.476+/-1135.087 χ^2/NDF: 34.5/26

Left Out: 362.528+/-979.860 χ^2/NDF:27.7/24

Right Out: -1182.217+/-1068.563 χ^2/NDF: 26.3/31

Left In: -497.522+/-1044.707 χ^2/NDF:13.9/22

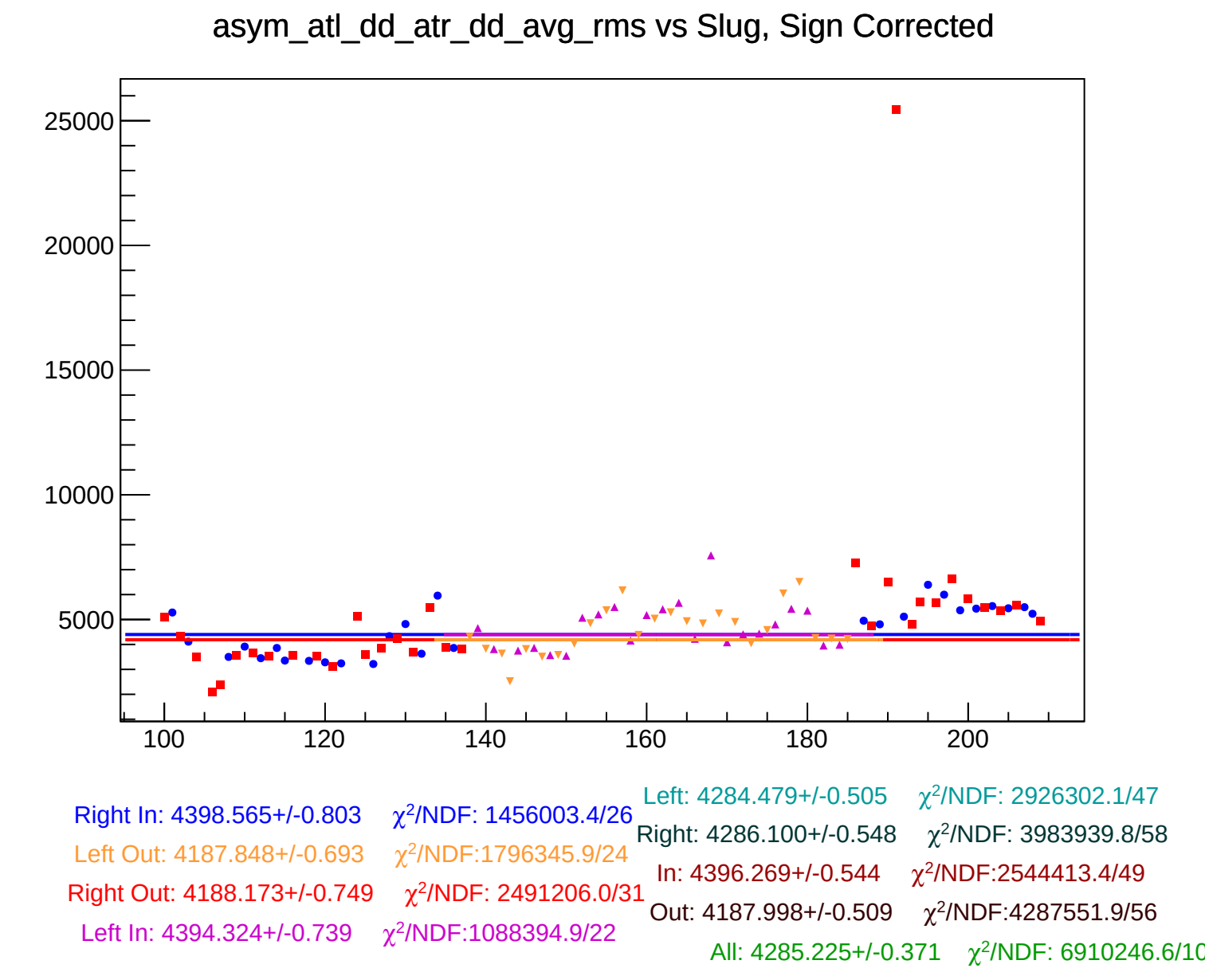
Left: -39.978+/-714.692 χ^2/NDF: 41.9/47

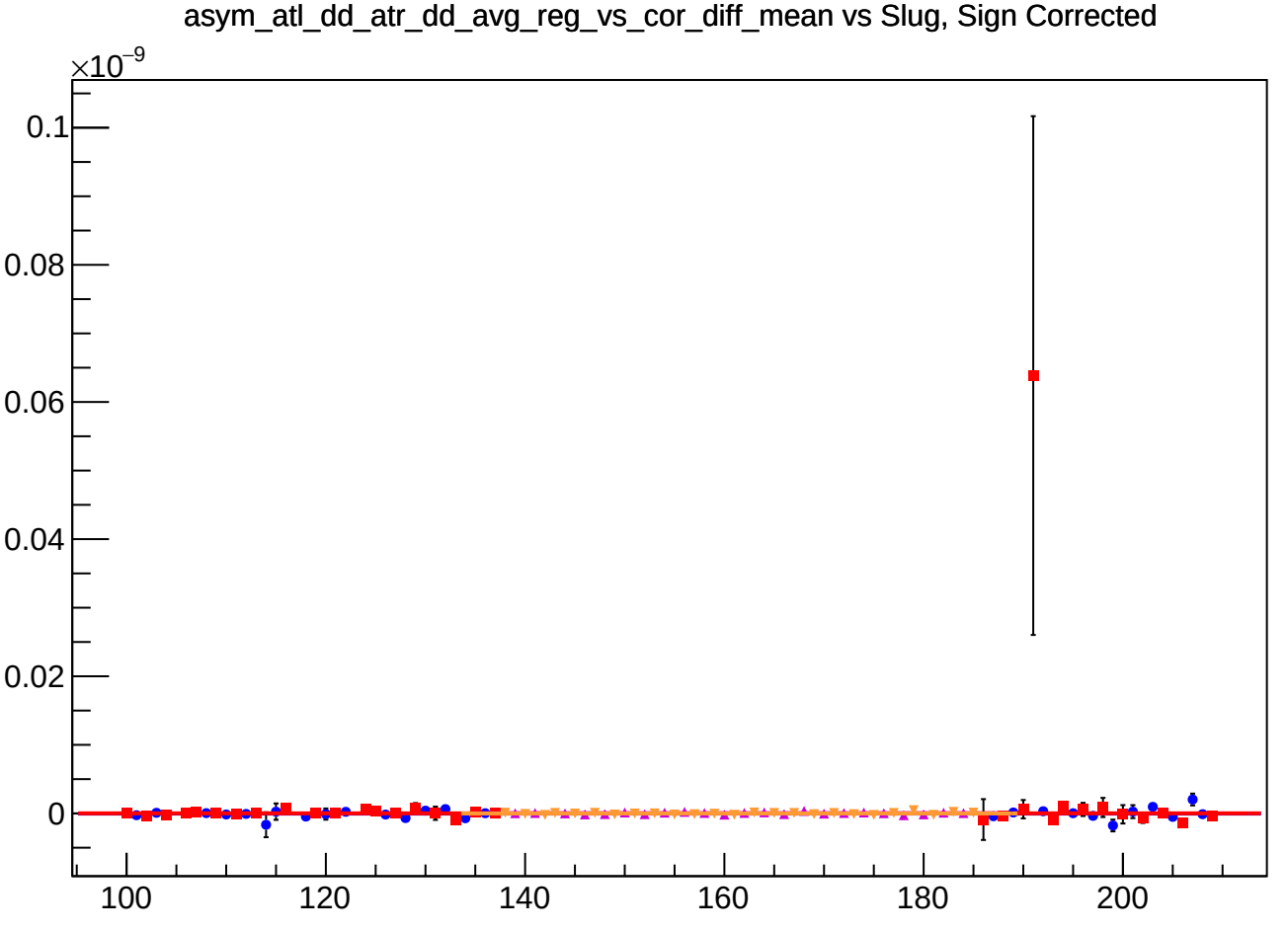
Right: -816.334+/-778.044 χ^2/NDF: 61.1/58

In: -454.392+/-768.688 χ^2/NDF:48.4/49

Out: -343.078+/-722.192 χ^2/NDF:55.1/56

All: -395.267+/-526.337 χ^2/NDF: 103.5/106


asym_atl_dd_atr_dd_avg_rms vs Slug, Sign Corrected
25000
20000
15000
10000
5000
100
120
140
160
180
200
Right In: 4398.565+/-0.803 χ²/NDF: 1456003.4/26
Left Out: 4187.848+/-0.693 χ²/NDF:1796345.9/24
Right Out: 4188.173+/-0.749 χ²/NDF: 2491206.0/31
Left In: 4394.324+/-0.739 χ²/NDF:1088394.9/22
Left: 4284.479+/-0.505 χ²/NDF: 2926302.1/47
Right: 4286.100+/-0.548 χ²/NDF: 3983939.8/58
In: 4396.269+/-0.544 χ²/NDF:2544413.4/49
Out: 4187.998+/-0.509 χ²/NDF:4287551.9/56
All: 4285.225+/-0.371 χ²/NDF: 6910246.6/10



Right In: -0.000+/-0.000 χ^2/NDF: 34.3/26

Left Out: -0.000+/-0.000 χ^2/NDF:30.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 33.9/31

Left In: 0.000+/-0.000 χ^2/NDF:17.0/22

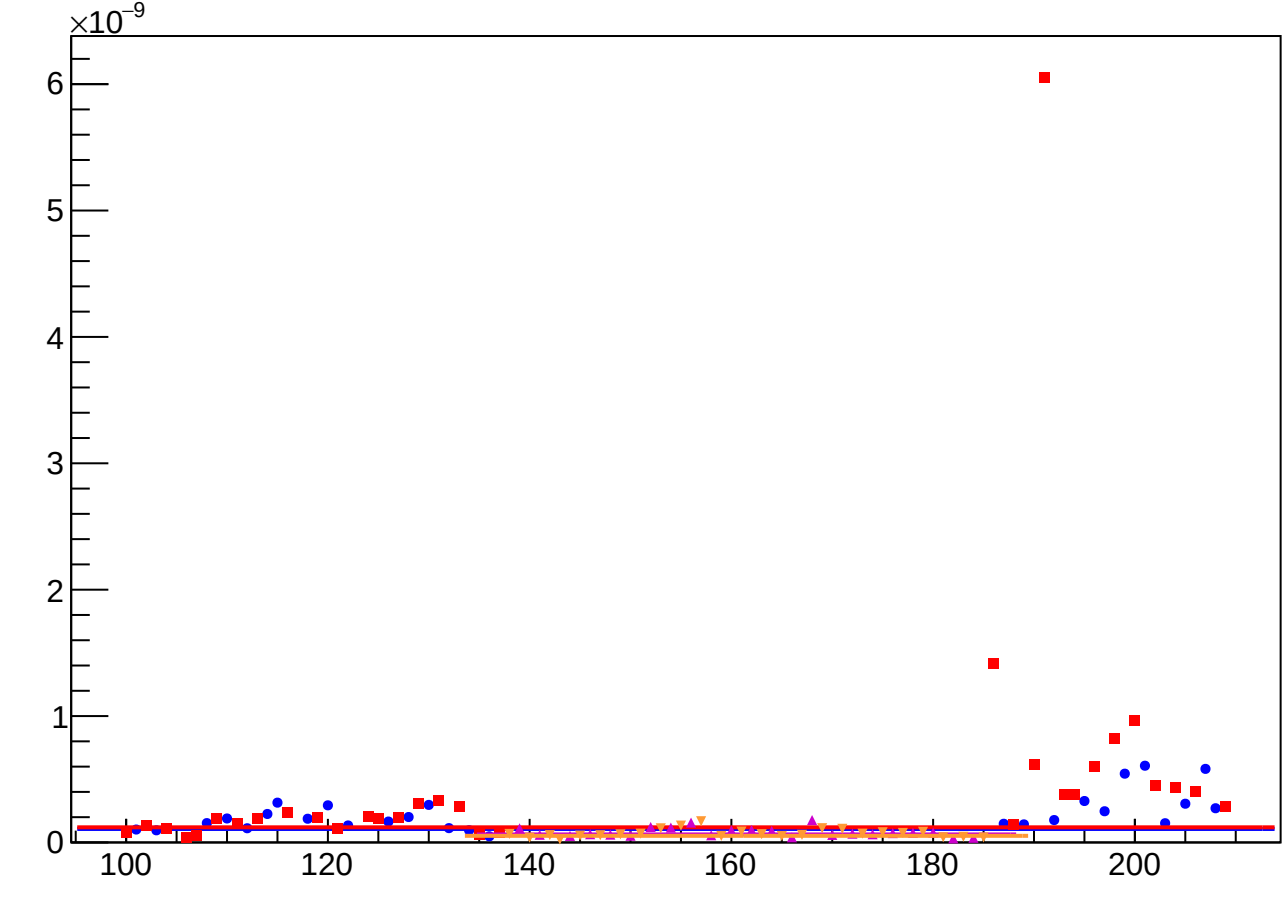
Left: 0.000+/-0.000 χ^2/NDF: 48.0/47

Right: -0.000+/-0.000 χ^2/NDF: 68.4/58

In: 0.000+/-0.000 χ^2/NDF:51.8/49

Out: -0.000+/-0.000 χ^2/NDF:64.4/56

All: 0.000+/-0.000 χ^2/NDF: 116.5/106



Right In: 0.000+/-0.000 χ^2/NDF: 4277731.5/26

Left Out: 0.000+/-0.000 χ^2/NDF:2628519.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 6669039.5/31

Left In: 0.000+/-0.000 χ^2/NDF:1788279.2/22

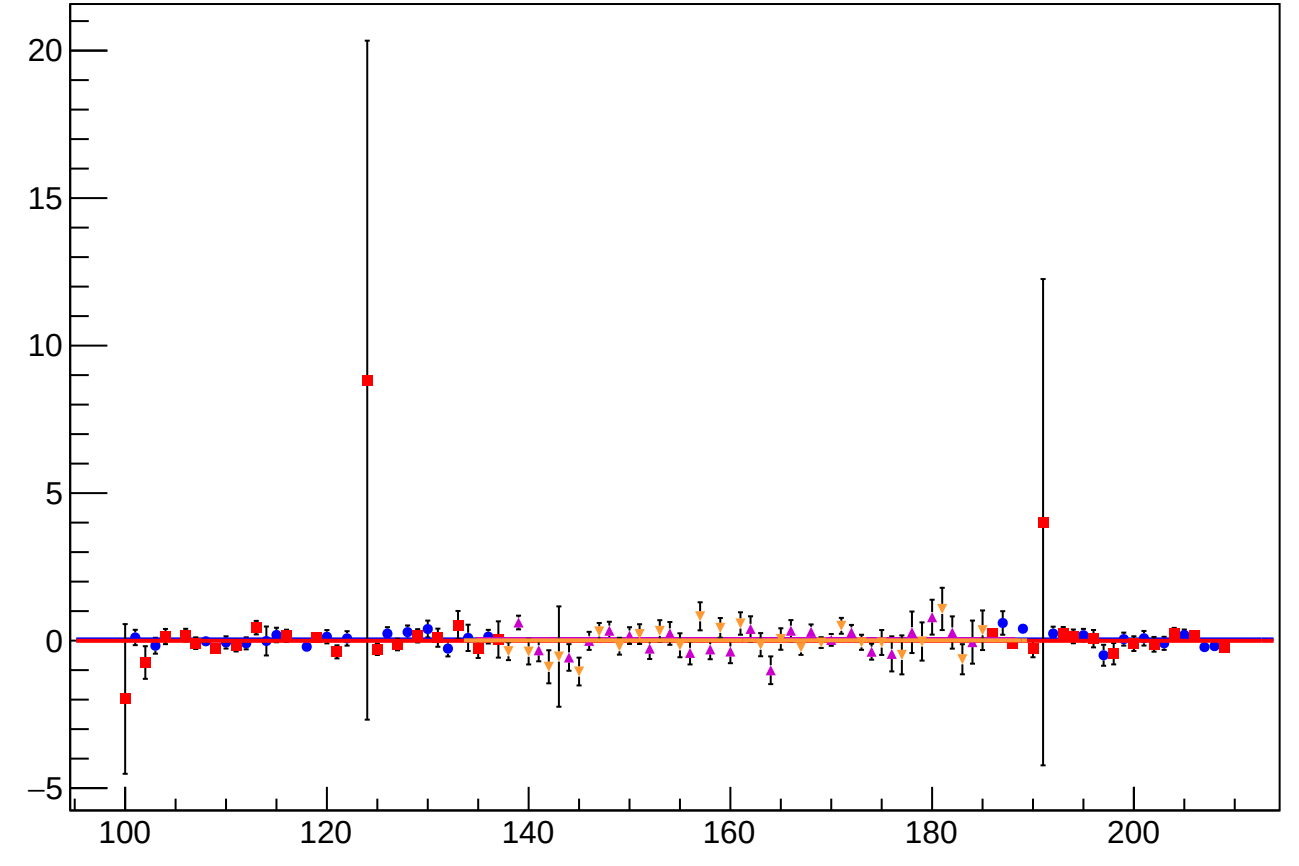
Left: 0.000+/-0.000 χ^2/NDF: 4618450.3/47

Right: 0.000+/-0.000 χ^2/NDF: 10995993.7/58

In: 0.000+/-0.000 χ^2/NDF:7071252.3/49

Out: 0.000+/-0.000 χ^2/NDF:11487516.6/56

All: 0.000+/-0.000 χ^2/NDF: 18791348.4/106



Right In: 0.042+/-0.042 χ^2/NDF: 26.7/26

Left Out: 0.009+/-0.071 χ^2/NDF:28.9/24

Right Out: -0.007+/-0.038 χ^2/NDF: 33.9/31

Left In: 0.053+/-0.070 χ^2/NDF:27.8/22

Left: 0.032+/-0.050 χ^2/NDF: 56.8/47

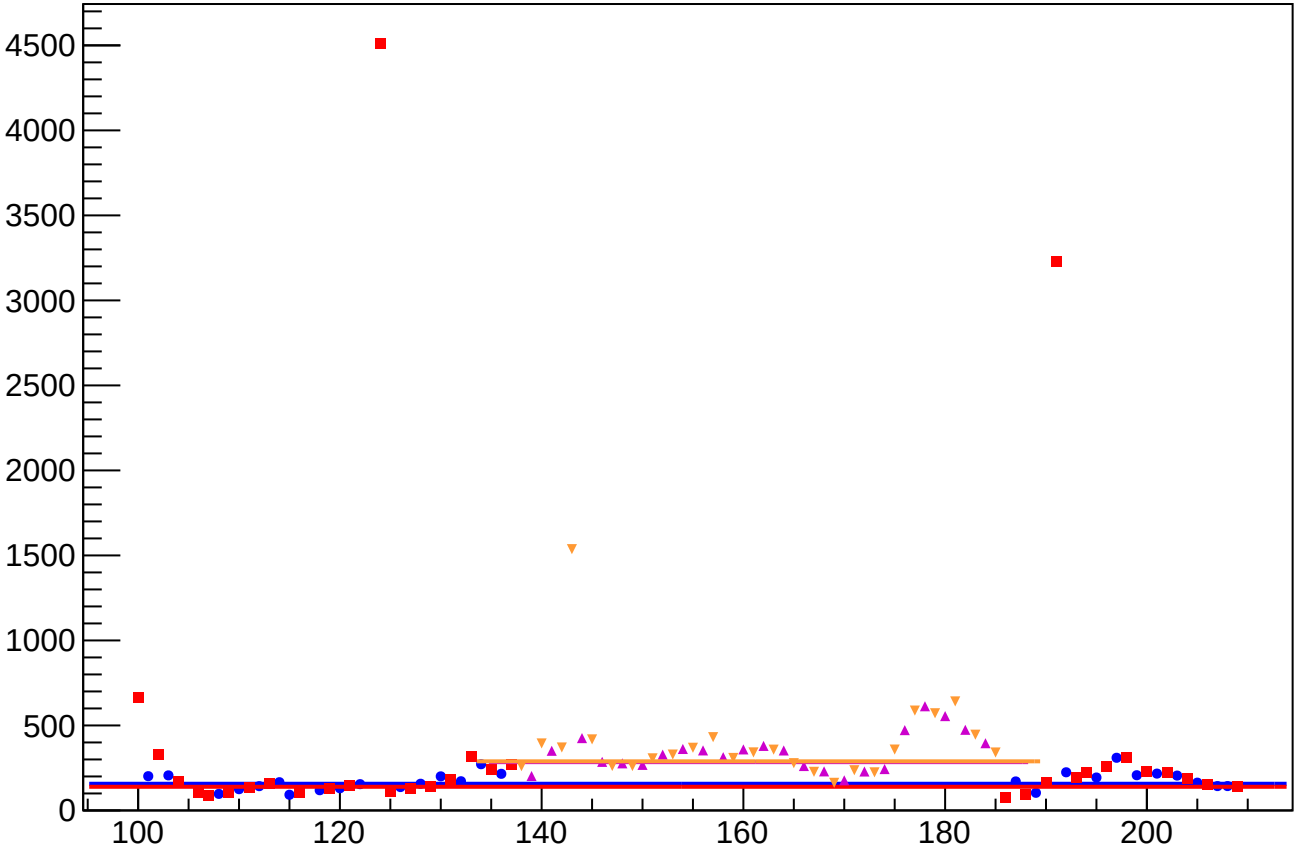
Right: 0.015+/-0.028 χ^2/NDF: 61.4/58

In: 0.045+/-0.036 χ^2/NDF:54.5/49

Out: -0.003+/-0.033 χ^2/NDF:62.9/56

All: 0.019+/-0.024 χ^2/NDF: 118.3/106

asym_atl_dd_atr_dd_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 157.039+/-0.030 χ^2/NDF: 2252194.5/26

Left Out: 288.922+/-0.050 χ^2/NDF:4648197.0/24

Right Out: 139.239+/-0.027 χ^2/NDF: 4674613.5/31

Left In: 284.168+/-0.050 χ^2/NDF:3077521.1/22

Left: 286.524+/-0.035 χ^2/NDF: 7730236.9/47

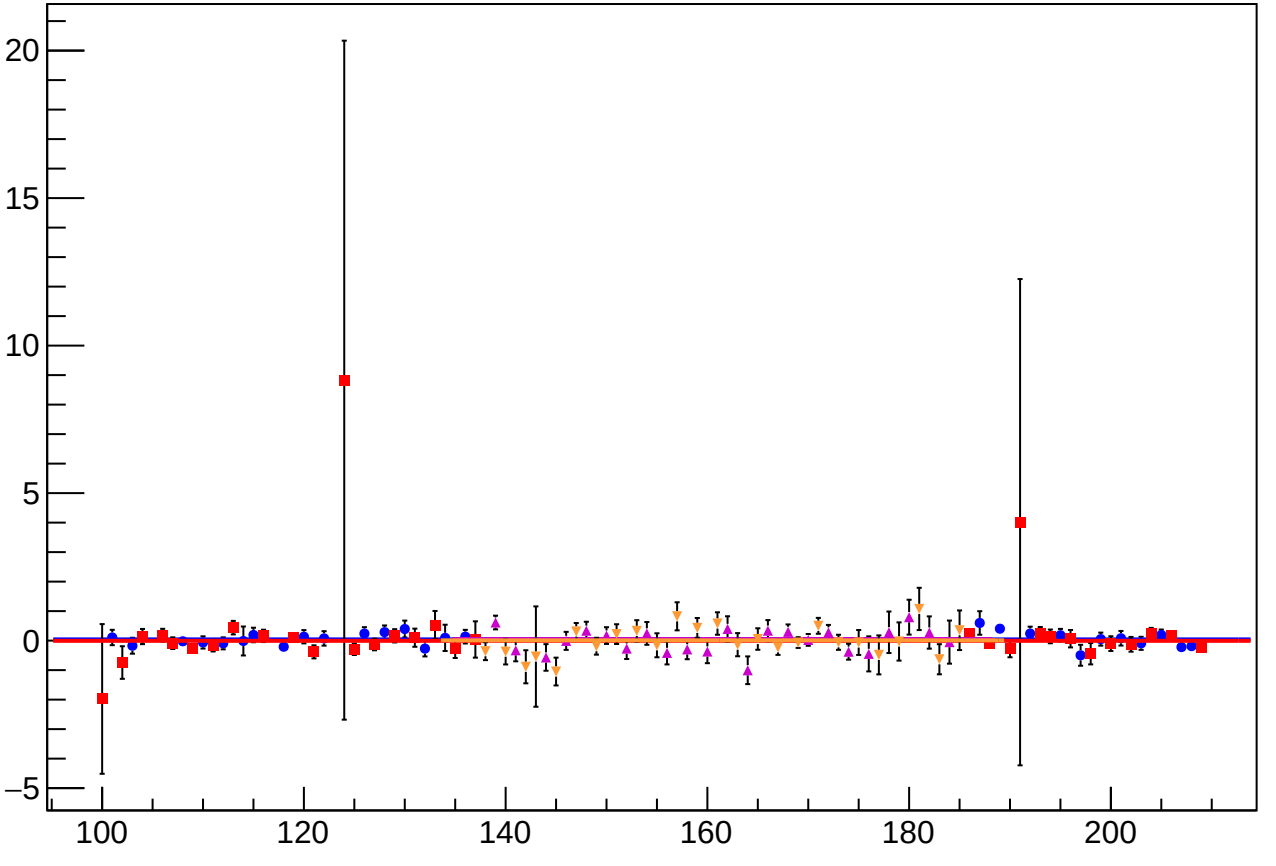
Right: 147.162+/-0.020 χ^2/NDF: 7126696.6/58

In: 190.338+/-0.025 χ^2/NDF:10142705.6/49

Out: 171.963+/-0.023 χ^2/NDF:16264971.5/56

All: 180.401+/-0.017 χ^2/NDF: 26688932.5/10

asym_atl_dd_atr_dd_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.042+/-0.042 χ^2/NDF: 26.7/26

Left Out: 0.009+/-0.071 χ^2/NDF:28.9/24

Right Out: -0.007+/-0.038 χ^2/NDF: 33.9/31

Left In: 0.053+/-0.070 χ^2/NDF:27.8/22

Left: 0.032+/-0.050 χ^2/NDF: 56.8/47

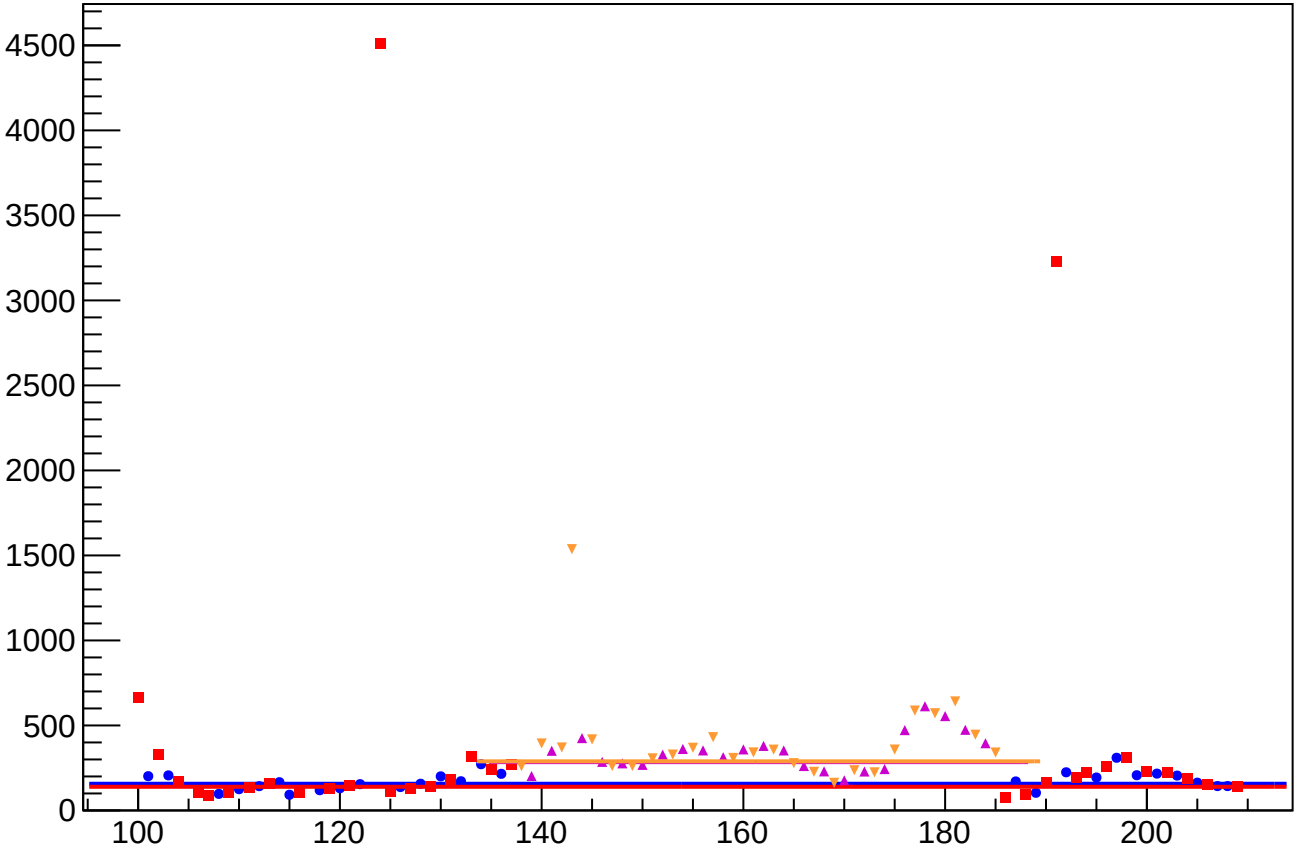
Right: 0.015+/-0.028 χ^2/NDF: 61.4/58

In: 0.045+/-0.036 χ^2/NDF:54.5/49

Out: -0.003+/-0.033 χ^2/NDF:62.9/56

All: 0.019+/-0.024 χ^2/NDF: 118.3/106

asym_atl_dd_atr_dd_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 157.039+/-0.030 χ^2/NDF: 2252194.5/26

Left Out: 288.922+/-0.050 χ^2/NDF:4648197.0/24

Right Out: 139.239+/-0.027 χ^2/NDF: 4674613.5/31

Left In: 284.168+/-0.050 χ^2/NDF:3077521.1/22

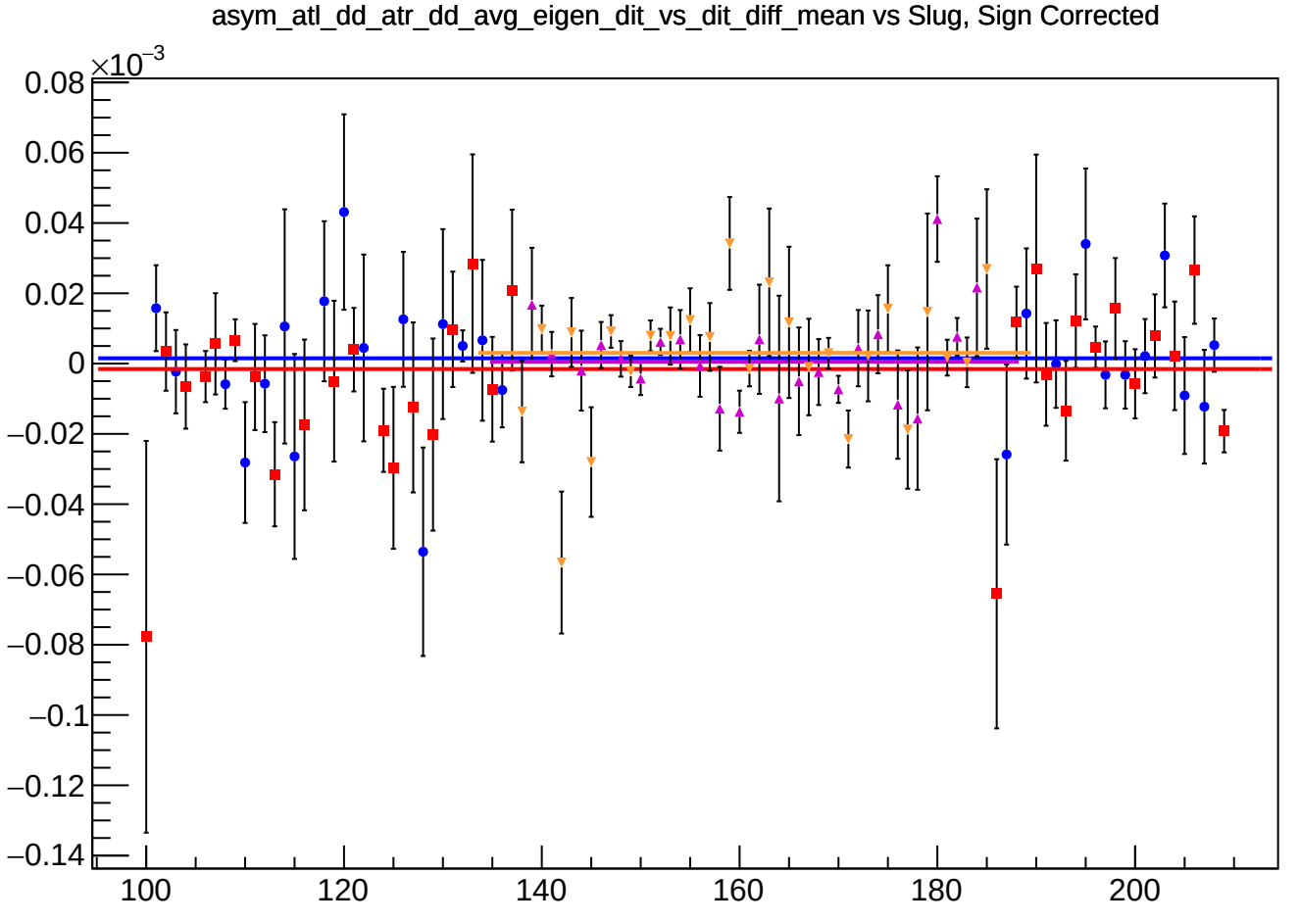
Left: 286.524+/-0.035 χ^2/NDF: 7730236.9/47

Right: 147.162+/-0.020 χ^2/NDF: 7126696.6/58

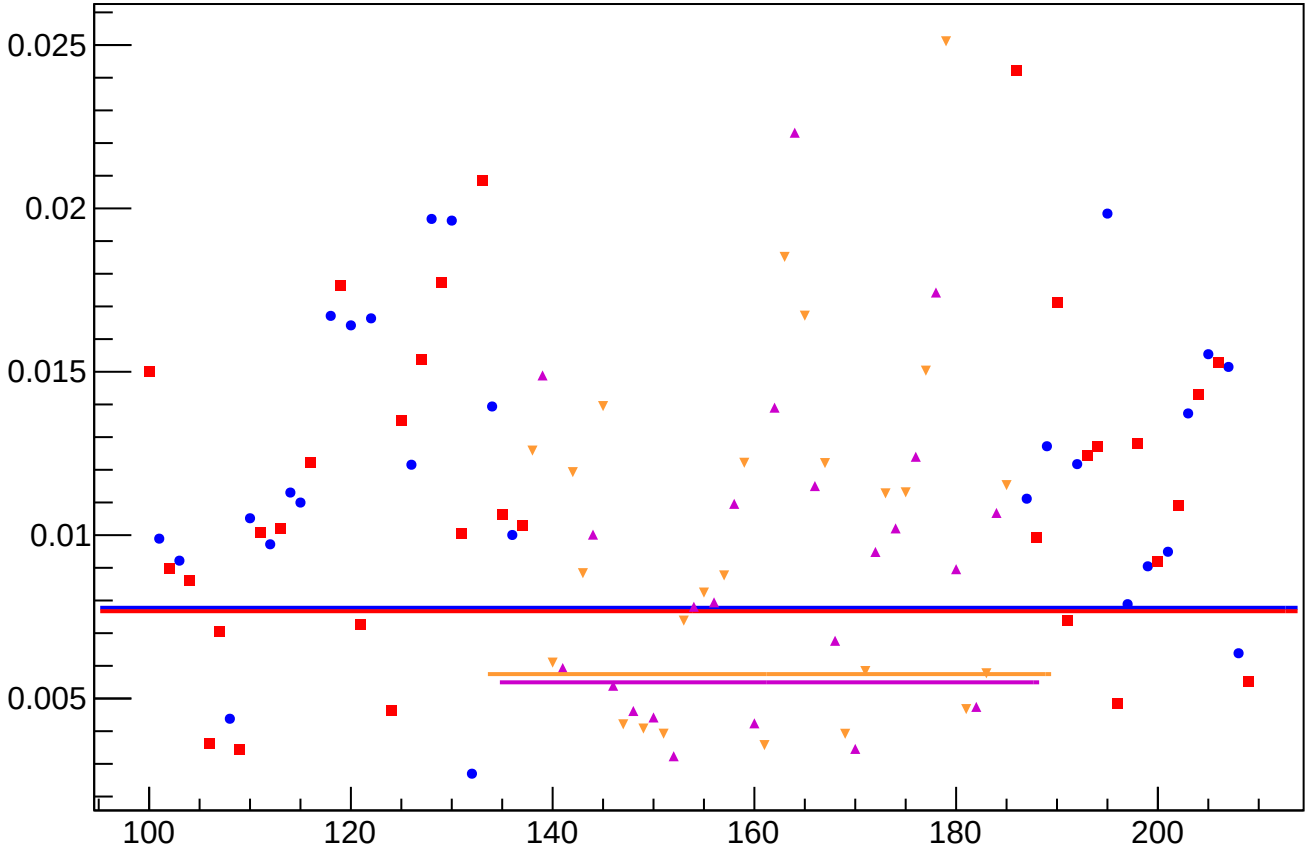
In: 190.338+/-0.025 χ^2/NDF:10142705.6/49

Out: 171.963+/-0.023 χ^2/NDF:16264971.5/56

All: 180.401+/-0.017 χ^2/NDF: 26688932.5/10


asym_atl_dd_atr_dd_avg_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected
×10^−3
0.08
0.06
0.04
0.02
0
−0.02
−0.04
−0.06
−0.08
−0.1
−0.12
−0.14
100
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 24.6/26
Left Out: 0.000+/-0.000 χ²/NDF:42.2/24
Right Out: -0.000+/-0.000 χ²/NDF: 38.5/31
Left In: 0.000+/-0.000 χ²/NDF:33.2/22
Left: 0.000+/-0.000 χ²/NDF: 76.7/47
Right: -0.000+/-0.000 χ²/NDF: 64.1/58
In: 0.000+/-0.000 χ²/NDF:57.9/49
Out: 0.000+/-0.000 χ²/NDF:83.9/56
All: 0.000+/-0.000 χ²/NDF: 141.9/106

asym_atl_dd_atr_dd_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.008+/-0.000 χ^2/NDF: 7487309.9/26

Left Out: 0.006+/-0.000 χ^2/NDF:8128513.8/24

Right Out: 0.008+/-0.000 χ^2/NDF: 6709901.5/31

Left In: 0.005+/-0.000 χ^2/NDF:6937299.0/22

Left: 0.006+/-0.000 χ^2/NDF: 15093250.6/47

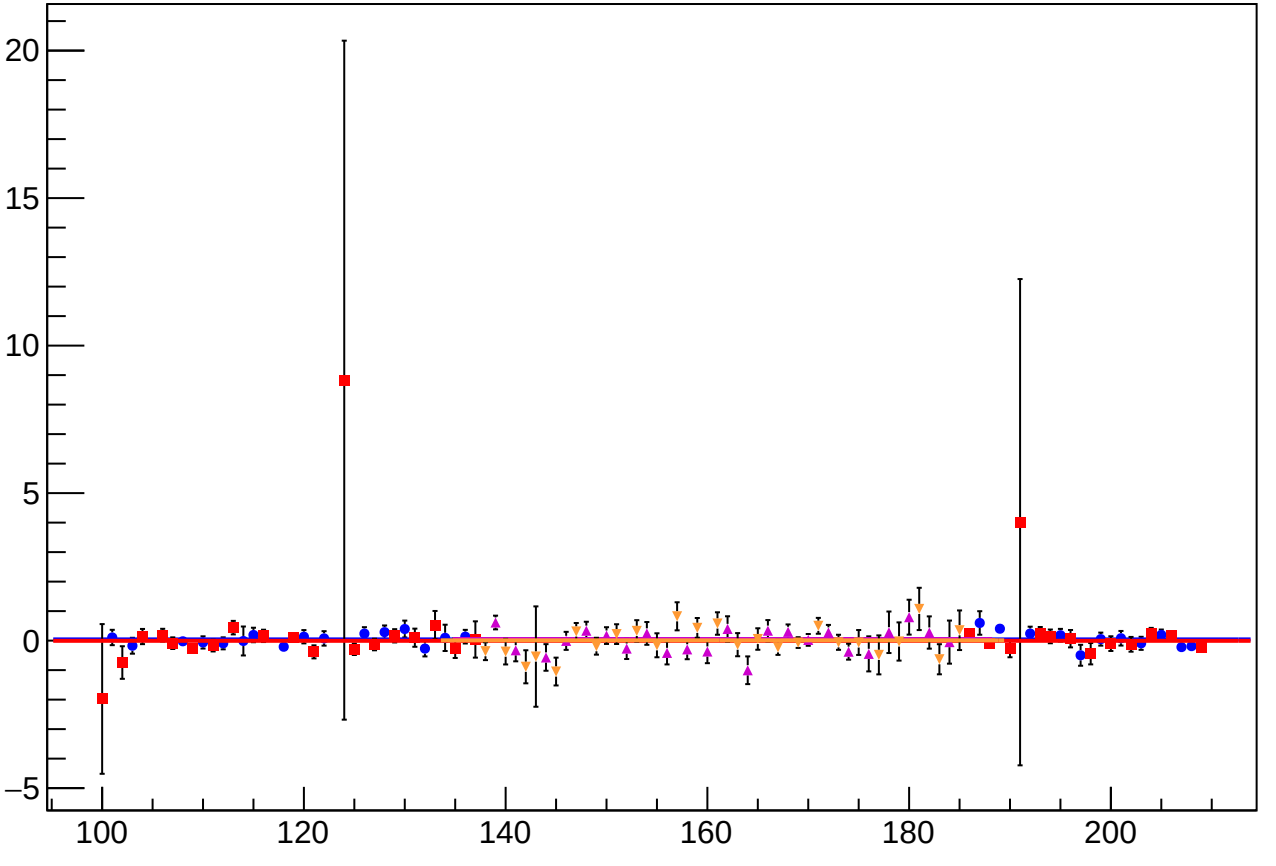
Right: 0.008+/-0.000 χ^2/NDF: 14199466.4/58

In: 0.006+/-0.000 χ^2/NDF:15801355.3/49

Out: 0.006+/-0.000 χ^2/NDF:15930527.3/56

All: 0.006+/-0.000 χ^2/NDF: 31761518.8/106

asym_atl_dd_atr_dd_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.042+/-0.042 χ^2/NDF: 26.7/26

Left Out: 0.009+/-0.071 χ^2/NDF:28.9/24

Right Out: -0.007+/-0.038 χ^2/NDF: 33.9/31

Left In: 0.053+/-0.070 χ^2/NDF:27.8/22

Left: 0.032+/-0.050 χ^2/NDF: 56.8/47

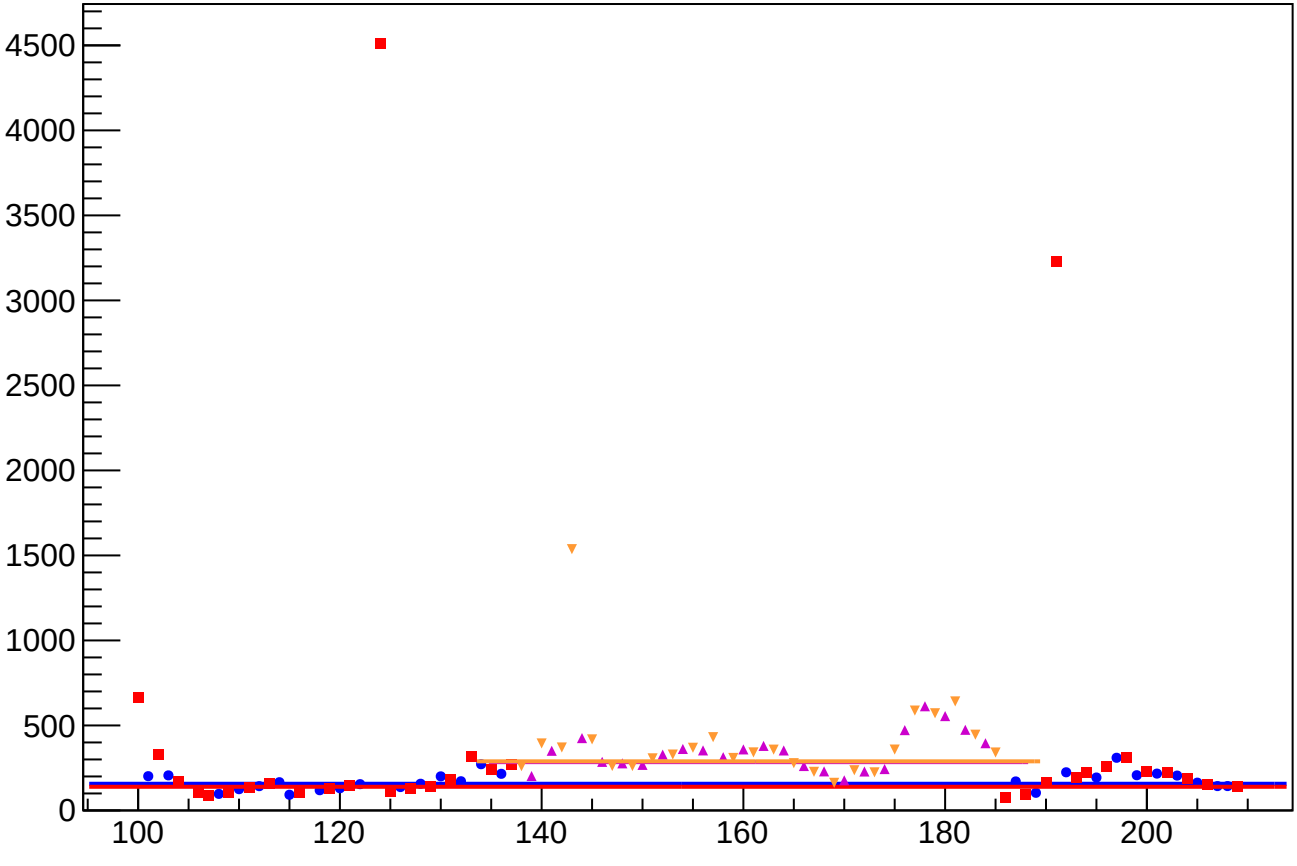
Right: 0.015+/-0.028 χ^2/NDF: 61.4/58

In: 0.045+/-0.036 χ^2/NDF:54.5/49

Out: -0.003+/-0.033 χ^2/NDF:62.9/56

All: 0.019+/-0.024 χ^2/NDF: 118.3/106

asym_atl_dd_atr_dd_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 157.039+/-0.030 χ^2/NDF: 2252184.2/26

Left Out: 288.922+/-0.050 χ^2/NDF:4648388.8/24

Right Out: 139.241+/-0.027 χ^2/NDF: 4674453.5/31

Left In: 284.170+/-0.050 χ^2/NDF:3077626.7/22

Left: 286.525+/-0.035 χ^2/NDF: 7730531.8/47

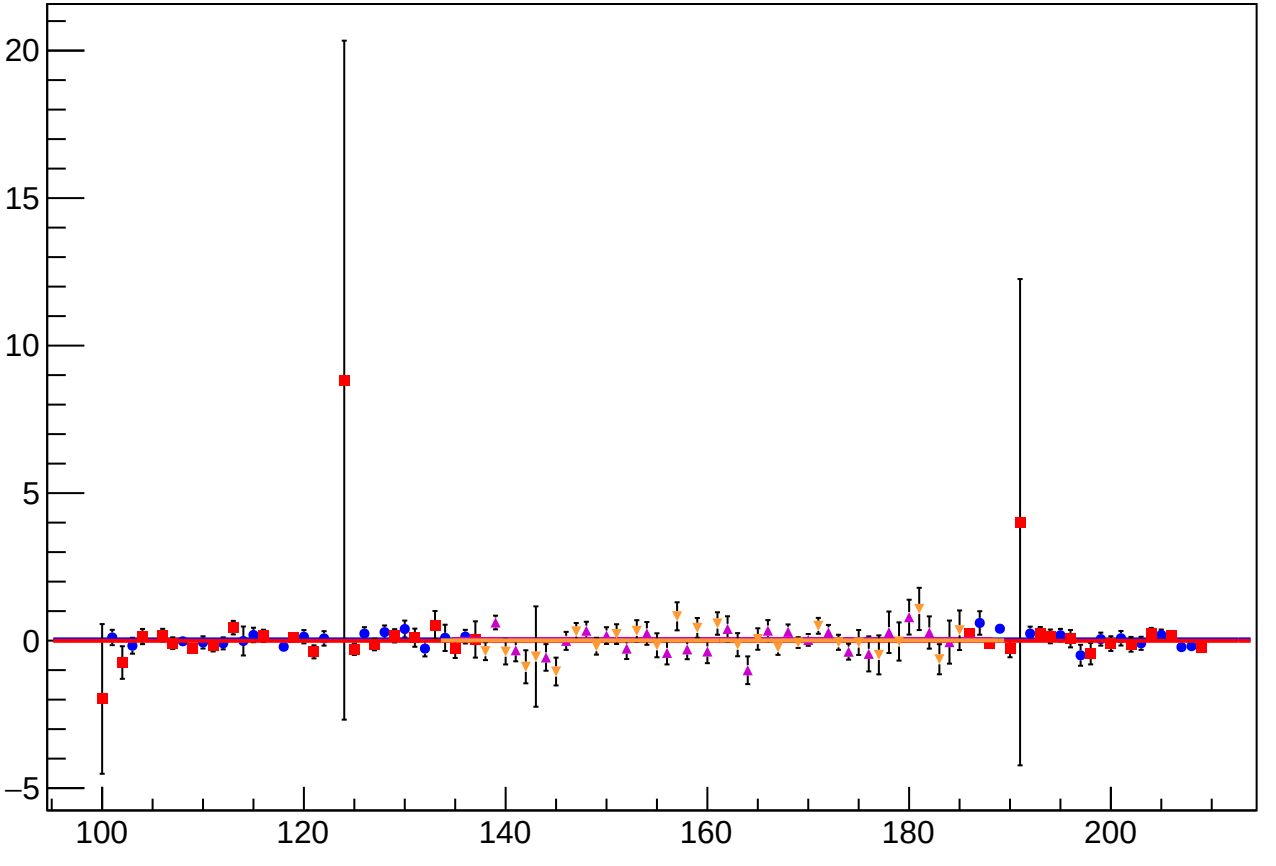
Right: 147.163+/-0.020 χ^2/NDF: 7126486.3/58

In: 190.338+/-0.025 χ^2/NDF:10142854.2/49

Out: 171.965+/-0.023 χ^2/NDF:16264784.3/56

All: 180.403+/-0.017 χ^2/NDF: 26688842.2/10

asym_atl_dd_atr_dd_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.042+/-0.042 χ^2/NDF: 26.7/26

Left Out: 0.009+/-0.071 χ^2/NDF:28.9/24

Right Out: -0.007+/-0.038 χ^2/NDF: 33.9/31

Left In: 0.053+/-0.070 χ^2/NDF:27.8/22

Left: 0.032+/-0.050 χ^2/NDF: 56.8/47

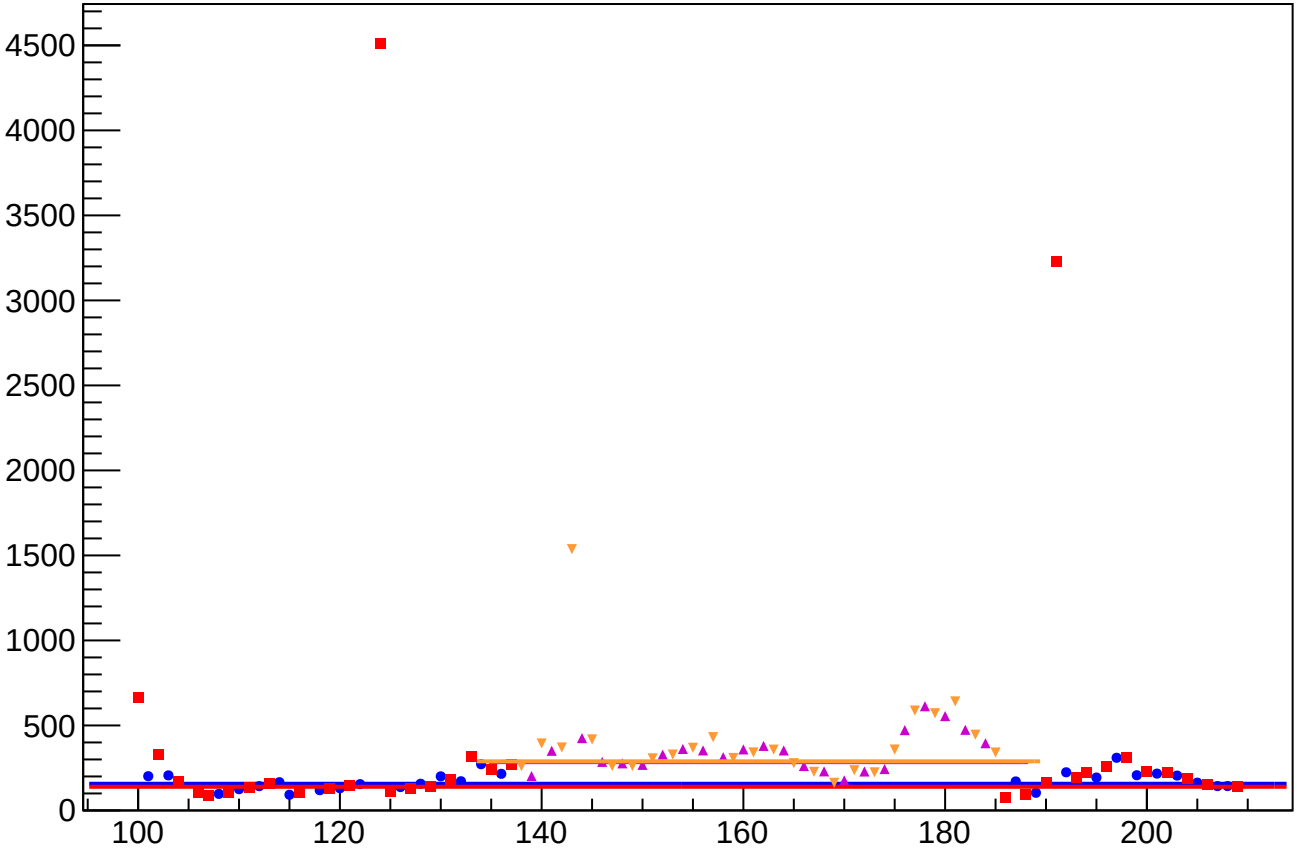
Right: 0.015+/-0.028 χ^2/NDF: 61.4/58

In: 0.045+/-0.036 χ^2/NDF:54.5/49

Out: -0.003+/-0.033 χ^2/NDF:62.9/56

All: 0.019+/-0.024 χ^2/NDF: 118.3/106

asym_atl_dd_atr_dd_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 157.039+/-0.030 χ^2/NDF: 2252184.2/26

Left Out: 288.922+/-0.050 χ^2/NDF:4648388.8/24

Right Out: 139.241+/-0.027 χ^2/NDF: 4674453.5/31

Left In: 284.170+/-0.050 χ^2/NDF:3077626.7/22

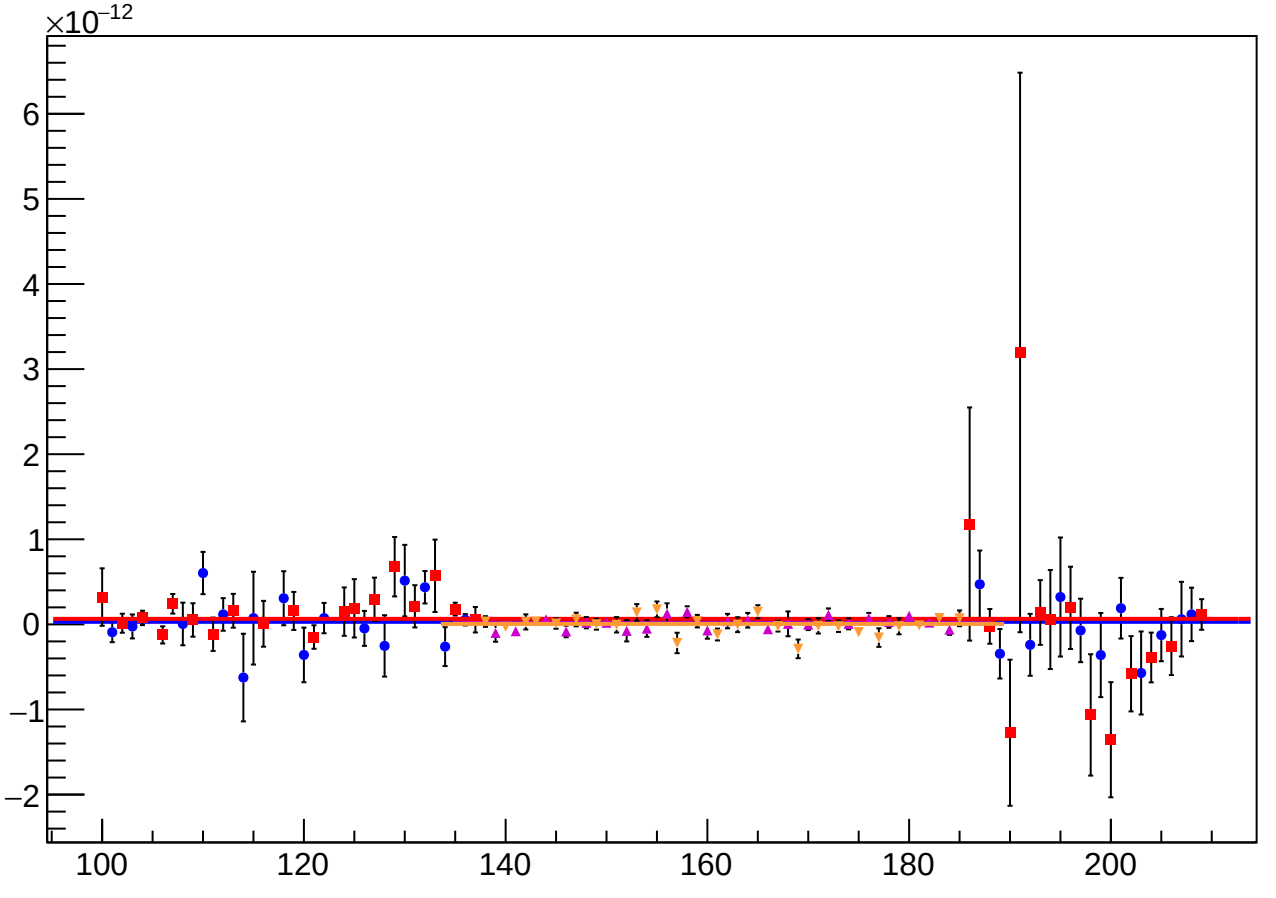
Left: 286.525+/-0.035 χ^2/NDF: 7730531.8/47

Right: 147.163+/-0.020 χ^2/NDF: 7126486.3/58

In: 190.338+/-0.025 χ^2/NDF:10142854.2/49

Out: 171.965+/-0.023 χ^2/NDF:16264784.3/56

All: 180.403+/-0.017 χ^2/NDF: 26688842.2/10



Right In: 0.000+/-0.000 χ^2/NDF: 25.5/26

Left Out: 0.000+/-0.000 χ^2/NDF:34.1/24

Right Out: 0.000+/-0.000 χ^2/NDF: 35.3/31

Left In: 0.000+/-0.000 χ^2/NDF:23.2/22

Left: 0.000+/-0.000 χ^2/NDF: 57.6/47

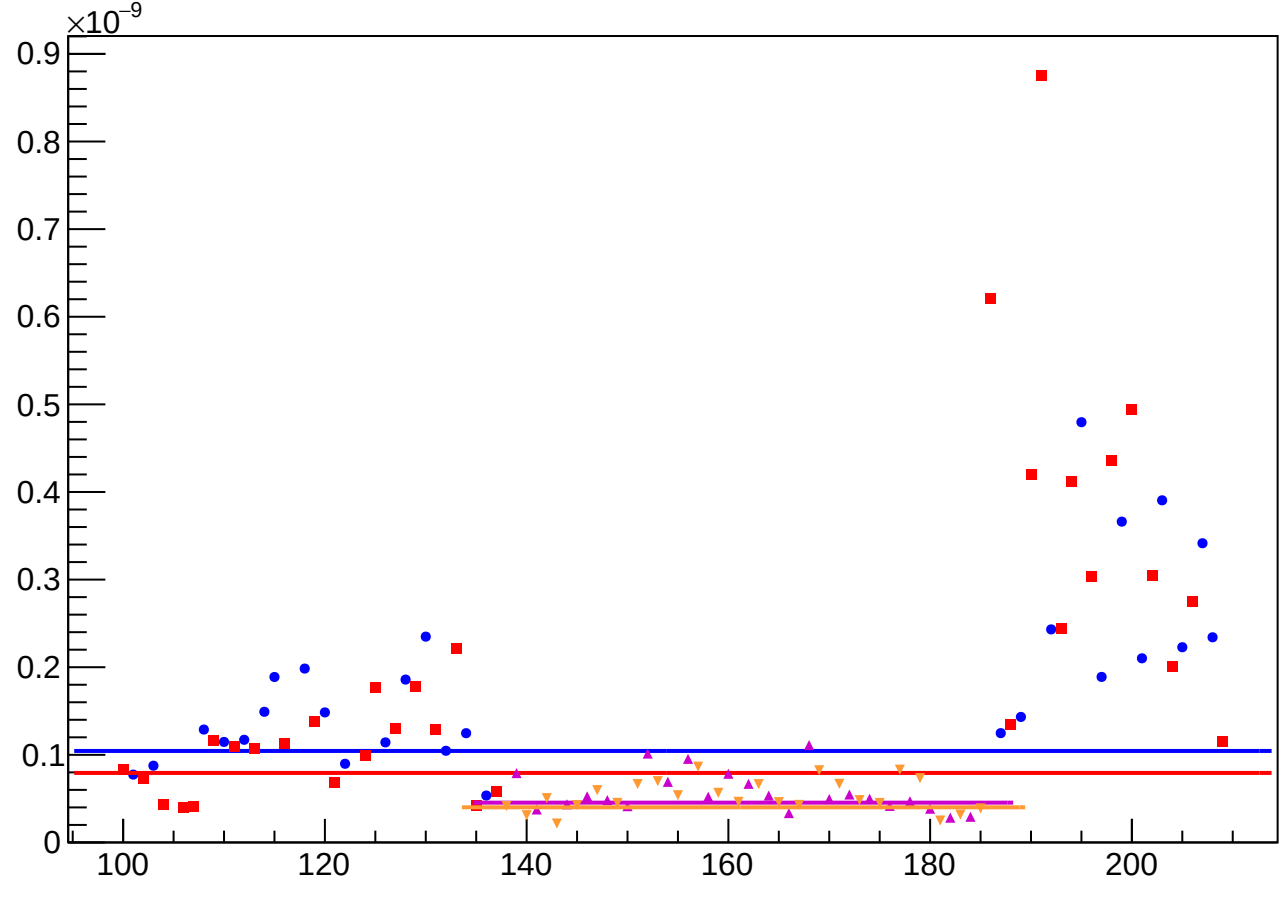
Right: 0.000+/-0.000 χ^2/NDF: 61.2/58

In: 0.000+/-0.000 χ^2/NDF:48.8/49

Out: 0.000+/-0.000 χ^2/NDF:72.4/56

All: 0.000+/-0.000 χ^2/NDF: 121.2/106

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: 5582087.5/26

Left Out: 0.000+/-0.000 χ^2/NDF:3609934.1/24

Right Out: 0.000+/-0.000 χ^2/NDF: 7704705.4/31

Left In: 0.000+/-0.000 χ^2/NDF:2780344.5/22

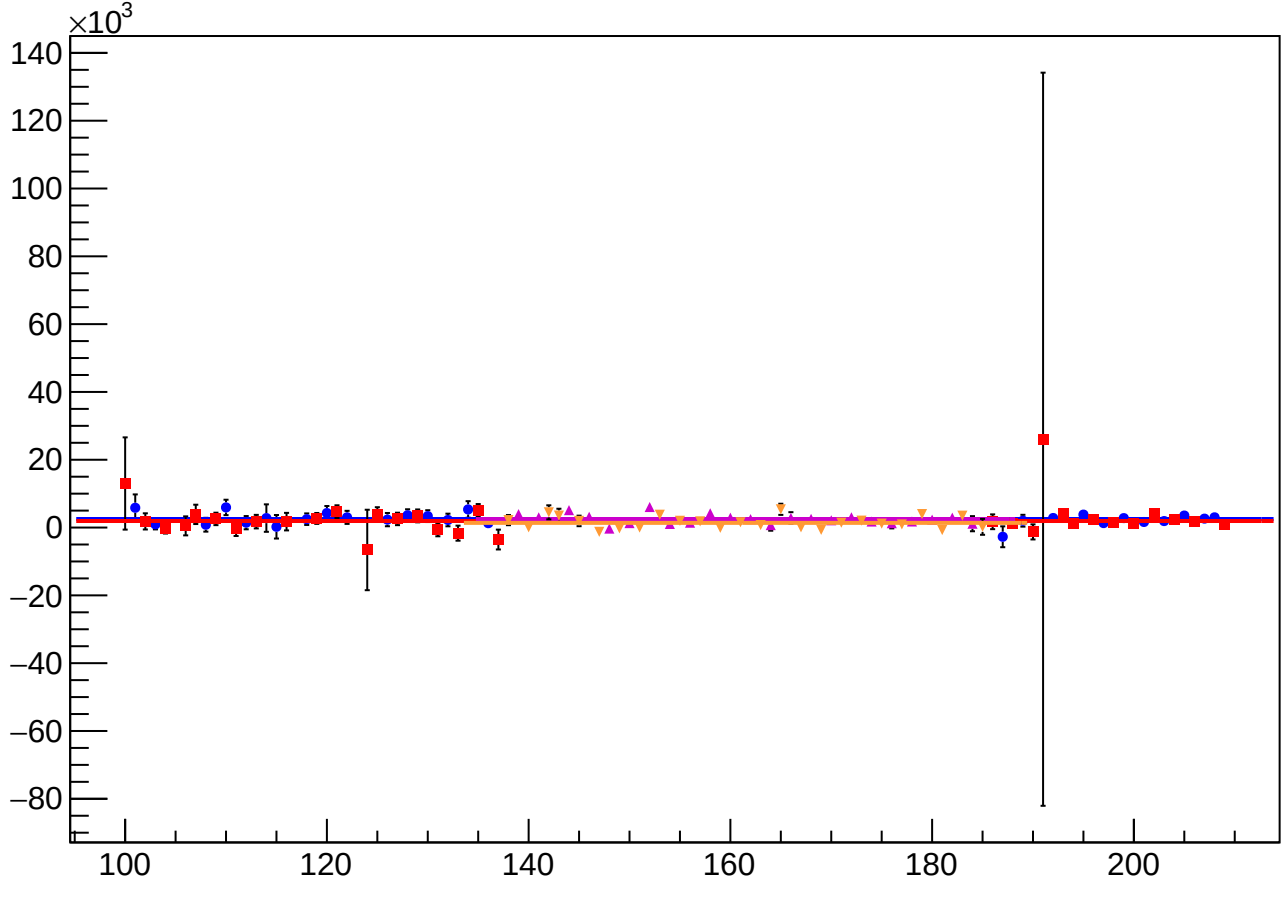
Left: 0.000+/-0.000 χ^2/NDF: 6559252.5/47

Right: 0.000+/-0.000 χ^2/NDF: 13762446.7/58

In: 0.000+/-0.000 χ^2/NDF:12262093.7/49

Out: 0.000+/-0.000 χ^2/NDF:13884015.3/56

All: 0.000+/-0.000 χ^2/NDF: 26431480.3/106



Right In: 2520.248+/-328.260 χ^2/NDF: 14.9/26

Left Out: 1383.252+/-292.777 χ^2/NDF:32.9/24

Right Out: 1932.398+/-320.687 χ^2/NDF: 28.6/31

Left In: 2519.365+/-298.095 χ^2/NDF:22.5/22

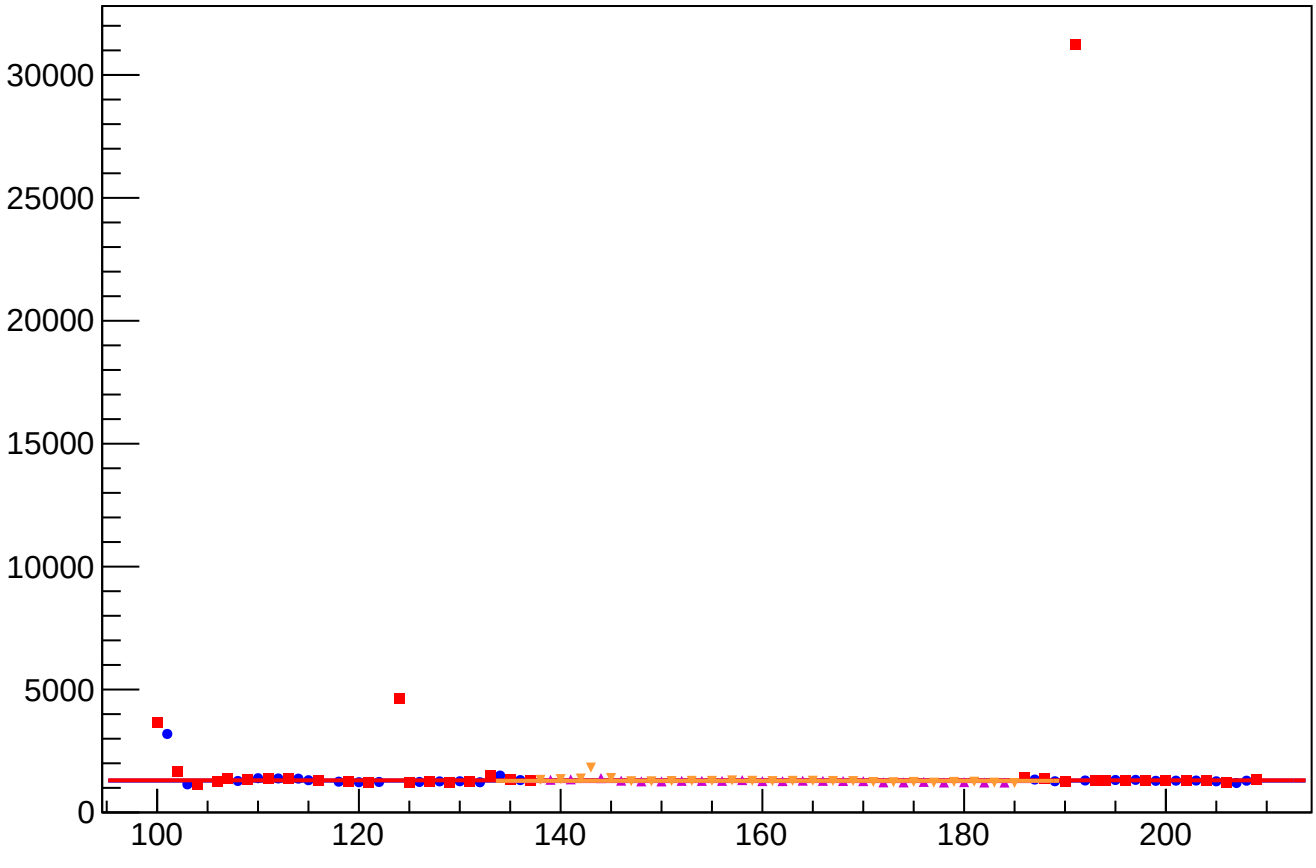
Left: 1941.083+/-208.879 χ^2/NDF: 62.8/47

Right: 2219.464+/-229.390 χ^2/NDF: 45.1/58

In: 2519.764+/-220.681 χ^2/NDF:37.4/49

Out: 1632.893+/-216.220 χ^2/NDF:63.1/56

All: 2067.274+/-154.443 χ^2/NDF: 108.7/106



Right In: 1294.607+/-0.232 χ^2/NDF: 532239.9/26

Left Out: 1285.649+/-0.207 χ^2/NDF:191027.3/24

Right Out: 1307.481+/-0.227 χ^2/NDF: 505904.0/31

Left In: 1275.941+/-0.211 χ^2/NDF:41399.0/22

Left: 1280.882+/-0.148 χ^2/NDF: 233506.1/47

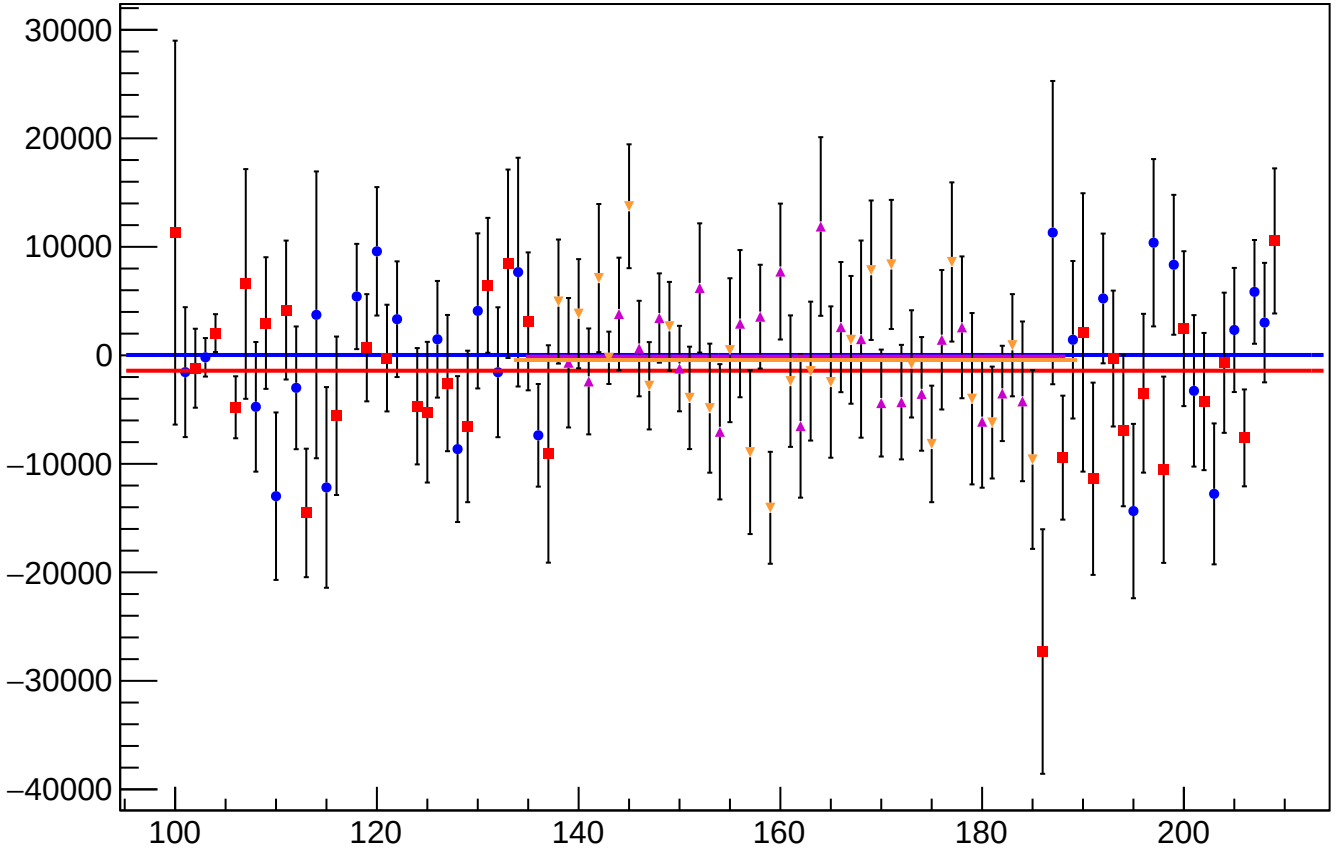
Right: 1301.202+/-0.162 χ^2/NDF: 1039719.7/58

In: 1284.377+/-0.156 χ^2/NDF:577183.2/49

Out: 1295.586+/-0.153 χ^2/NDF:701993.1/56

All: 1290.099+/-0.109 χ^2/NDF: 1281810.4/10

asym_atl_avg_atr_avg_avg_reg_correction_mean vs Slug, Sign Corrected



Right In: 34.314+/-1019.173 χ^2/NDF: 29.2/26

Left Out: -428.530+/-1038.038 χ^2/NDF:29.8/24

Right Out: -1416.621+/-922.738 χ^2/NDF: 34.5/31

Left In: -119.335+/-1144.695 χ^2/NDF:13.6/22

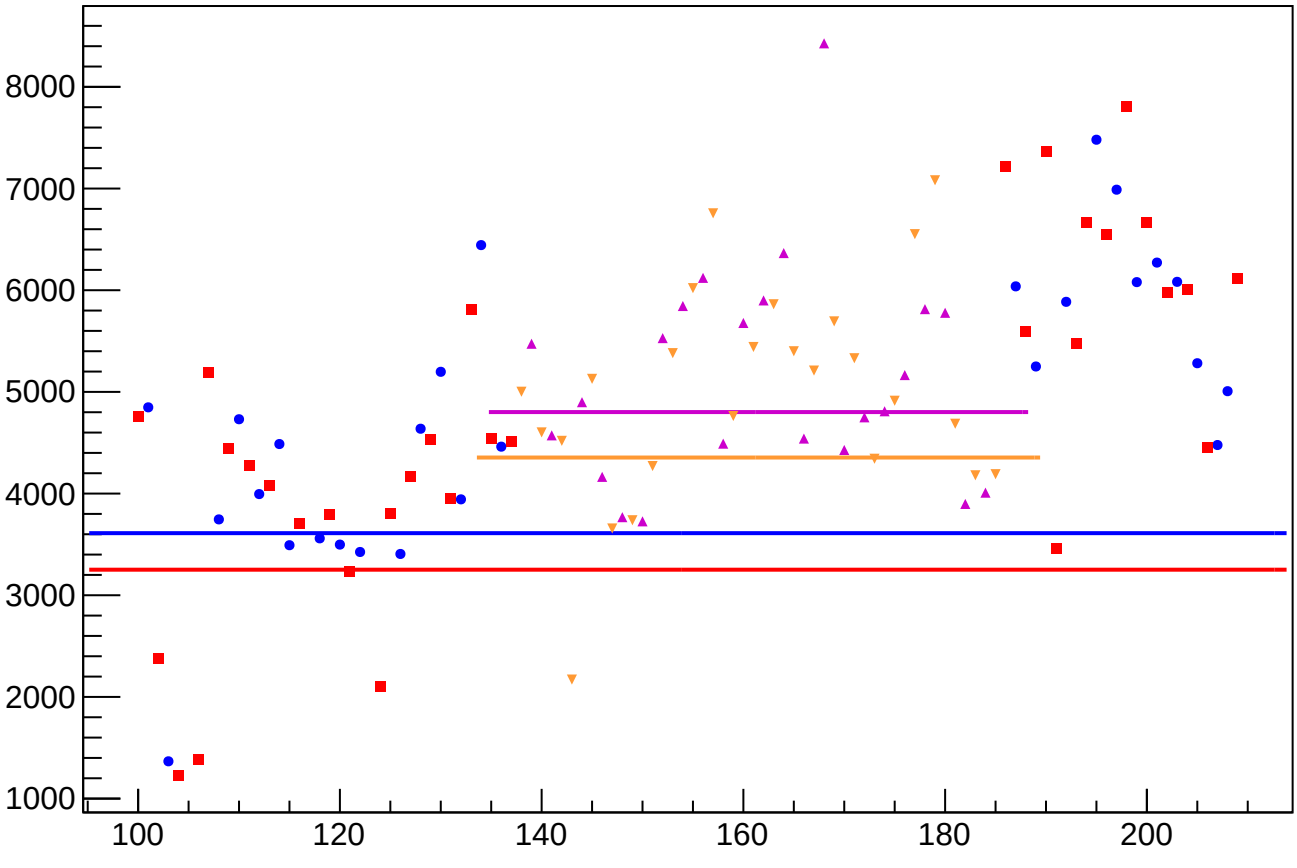
Left: -289.005+/-768.953 χ^2/NDF: 43.5/47

Right: -763.029+/-684.033 χ^2/NDF: 64.8/58

In: -33.627+/-761.189 χ^2/NDF:42.8/49

Out: -980.479+/-689.650 χ^2/NDF:64.9/56

All: -553.627+/-511.081 χ^2/NDF: 108.5/106



Right In: 3610.718+/-0.721 χ^2/NDF: 6247457.6/26

Left Out: 4354.526+/-0.734 χ^2/NDF:3071436.3/24

Right Out: 3251.351+/-0.652 χ^2/NDF: 8662735.7/31

Left In: 4801.573+/-0.809 χ^2/NDF:1231883.2/22

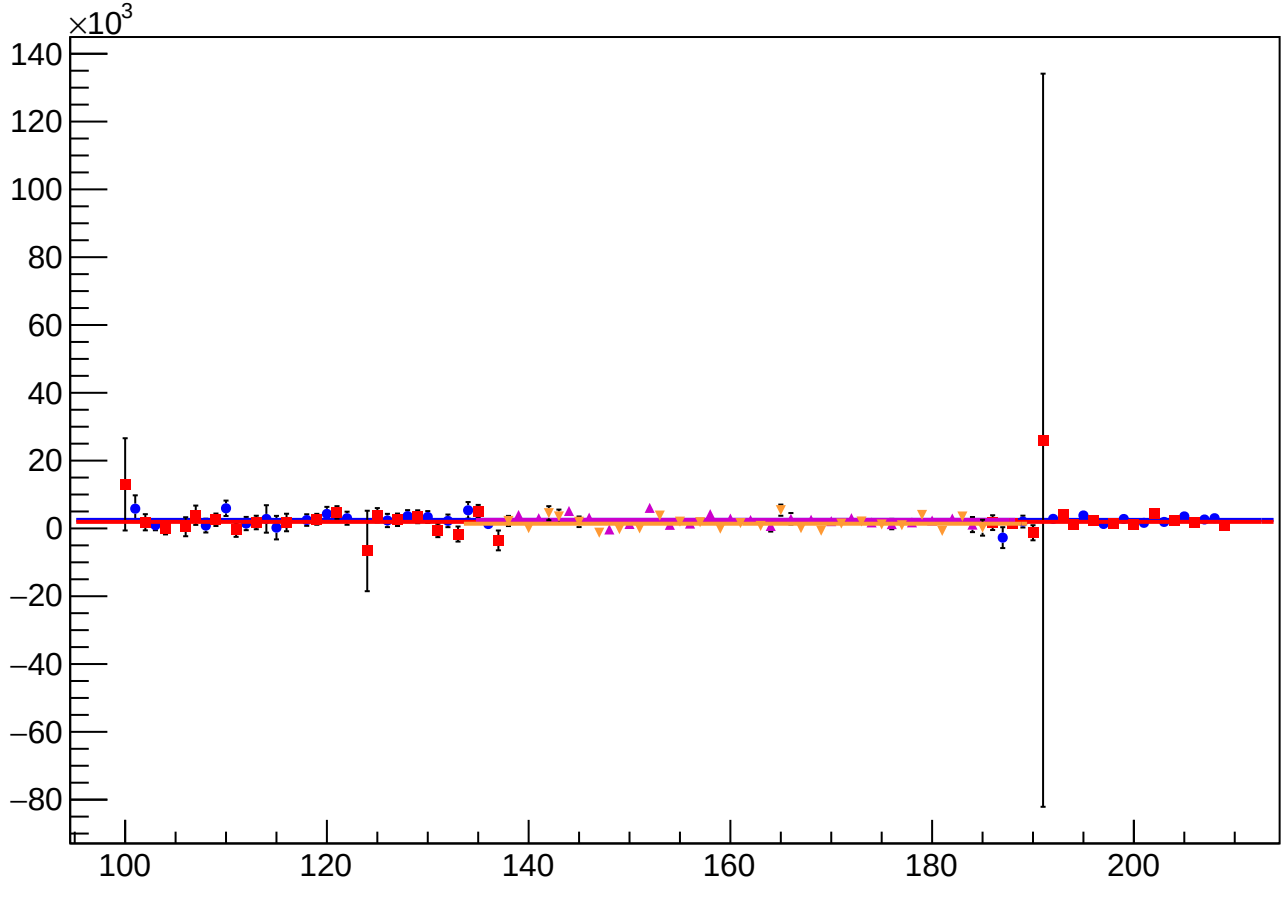
Left: 4556.257+/-0.544 χ^2/NDF: 4470709.2/47

Right: 3413.232+/-0.484 χ^2/NDF: 15046842.8/58

In: 4137.297+/-0.538 χ^2/NDF:8686758.5/49

Out: 3738.292+/-0.488 χ^2/NDF:12995982.8/56

All: 3918.168+/-0.361 χ^2/NDF: 21984545.6/1



Right In: 2520.173+/-328.260 χ^2/NDF: 14.9/26

Left Out: 1383.188+/-292.777 χ^2/NDF:32.9/24

Right Out: 1932.295+/-320.687 χ^2/NDF: 28.6/31

Left In: 2519.366+/-298.095 χ^2/NDF:22.5/22

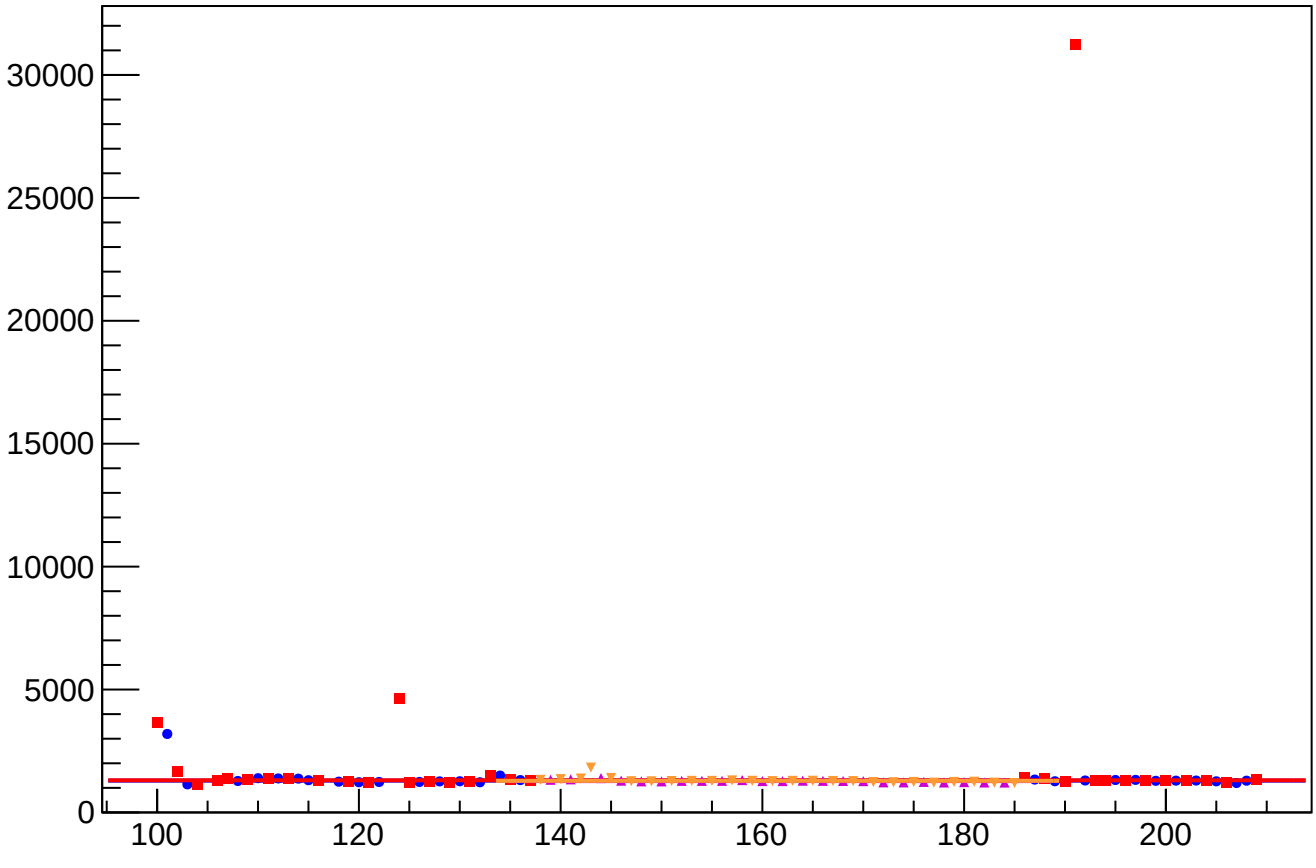
Left: 1941.050+/-208.879 χ^2/NDF: 62.8/47

Right: 2219.375+/-229.390 χ^2/NDF: 45.1/58

In: 2519.731+/-220.681 χ^2/NDF:37.4/49

Out: 1632.811+/-216.220 χ^2/NDF:63.1/56

All: 2067.216+/-154.443 χ^2/NDF: 108.7/106



Right In: 1294.607+/-0.232 χ^2/NDF: 532241.4/26

Left Out: 1285.649+/-0.207 χ^2/NDF:191027.3/24

Right Out: 1307.951+/-0.227 χ^2/NDF: 505573.7/31

Left In: 1275.941+/-0.211 χ^2/NDF:41399.0/22

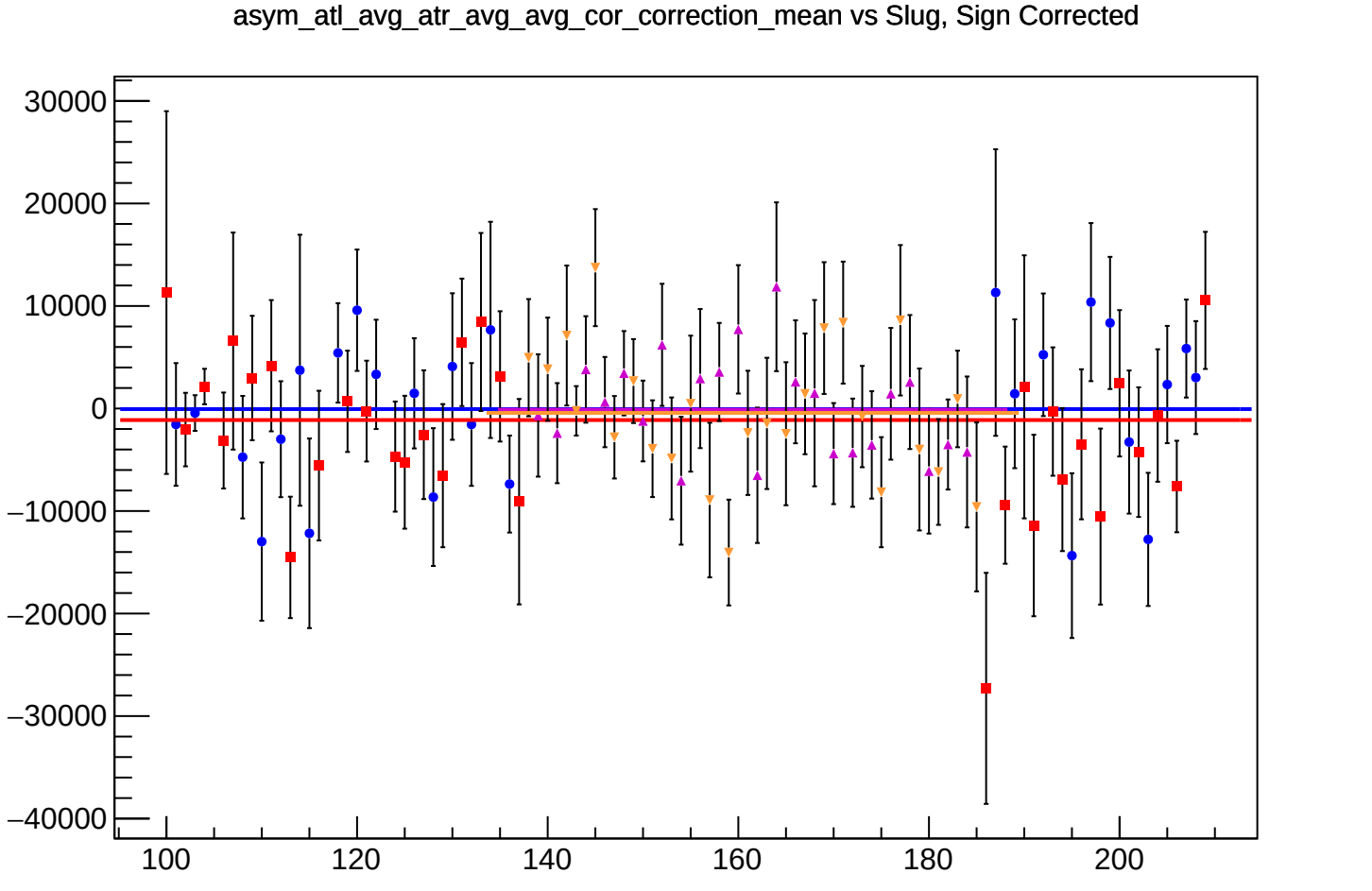
Left: 1280.882+/-0.148 χ^2/NDF: 233506.1/47

Right: 1301.440+/-0.162 χ^2/NDF: 1039507.5/58

In: 1284.377+/-0.156 χ^2/NDF:577184.6/49

Out: 1295.796+/-0.153 χ^2/NDF:701881.2/56

All: 1290.205+/-0.109 χ^2/NDF: 1281799.1/10



Right In: -56.739+/-1012.645 χ^2/NDF: 29.2/26

Left Out: -428.525+/-1038.036 χ^2/NDF:29.8/24

Right Out: -1126.202+/-950.904 χ^2/NDF: 33.5/31

Left In: -119.307+/-1144.695 χ^2/NDF:13.6/22

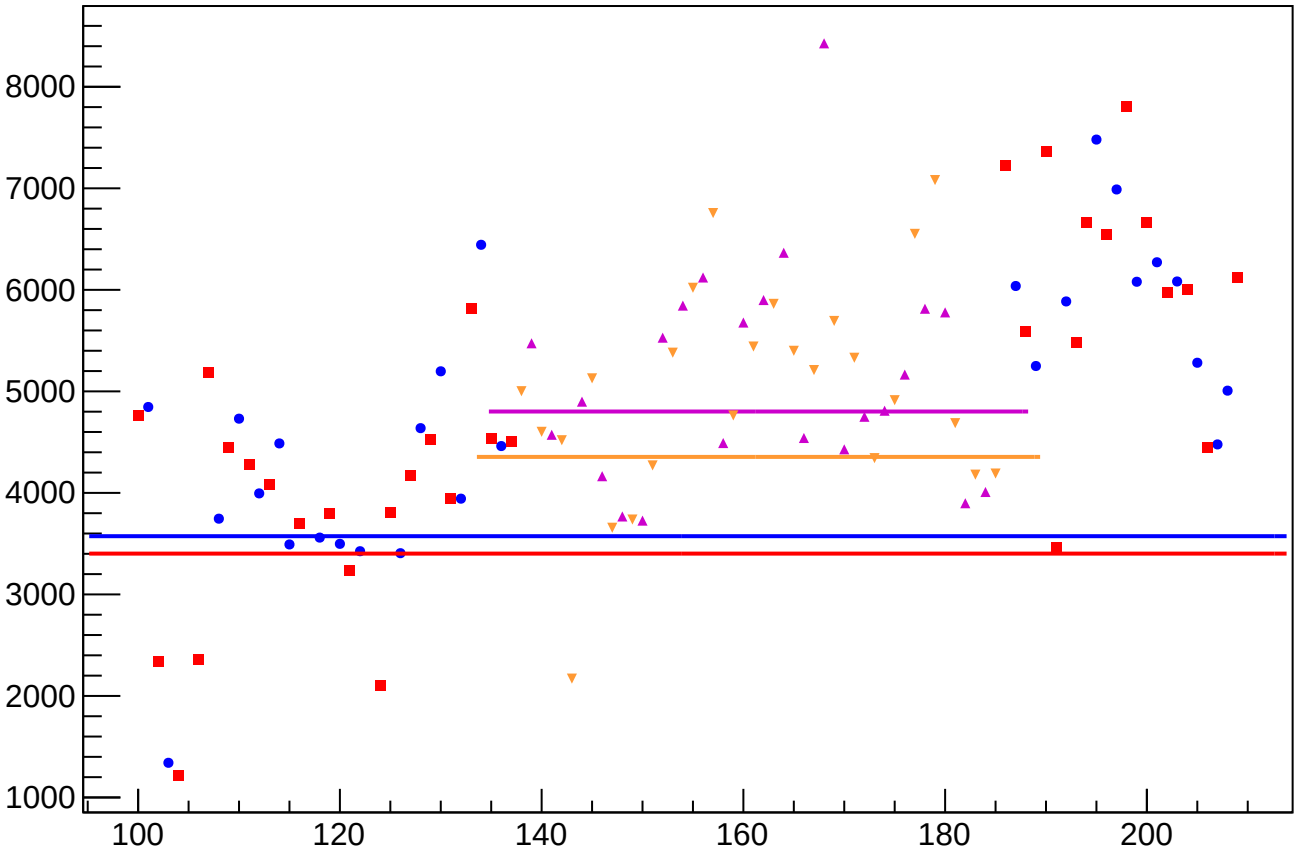
Left: -288.990+/-768.952 χ^2/NDF: 43.5/47

Right: -625.065+/-693.190 χ^2/NDF: 63.3/58

In: -84.208+/-758.458 χ^2/NDF:42.8/49

Out: -807.869+/-701.174 χ^2/NDF:63.6/56

All: -474.395+/-514.867 χ^2/NDF: 106.9/106



Right In: 3573.543+/-0.716 χ^2/NDF: 6444958.5/26

Left Out: 4354.511+/-0.734 χ^2/NDF:3071528.5/24

Right Out: 3402.003+/-0.672 χ^2/NDF: 7928395.9/31

Left In: 4801.570+/-0.809 χ^2/NDF:1231894.6/22

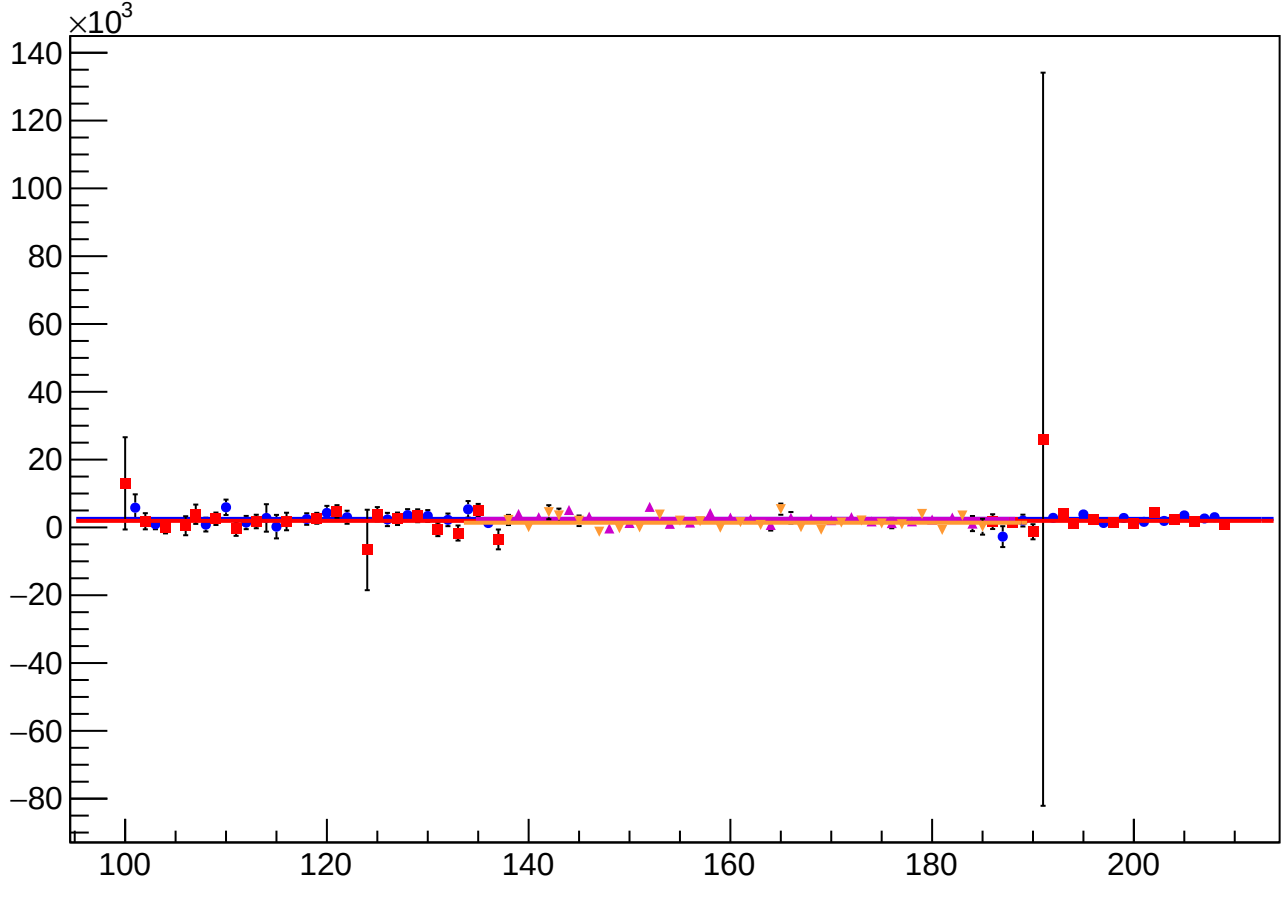
Left: 4556.247+/-0.544 χ^2/NDF: 4470822.6/47

Right: 3482.385+/-0.490 χ^2/NDF: 14403853.0/58

In: 4112.670+/-0.536 χ^2/NDF:8968115.5/49

Out: 3836.609+/-0.496 χ^2/NDF:11915557.5/56

All: 3963.822+/-0.364 χ^2/NDF: 21026534.7/1



Right In: 2520.173+/-328.260 χ^2/NDF: 14.9/26

Left Out: 1383.188+/-292.777 χ^2/NDF:32.9/24

Right Out: 1932.295+/-320.687 χ^2/NDF: 28.6/31

Left In: 2519.366+/-298.095 χ^2/NDF:22.5/22

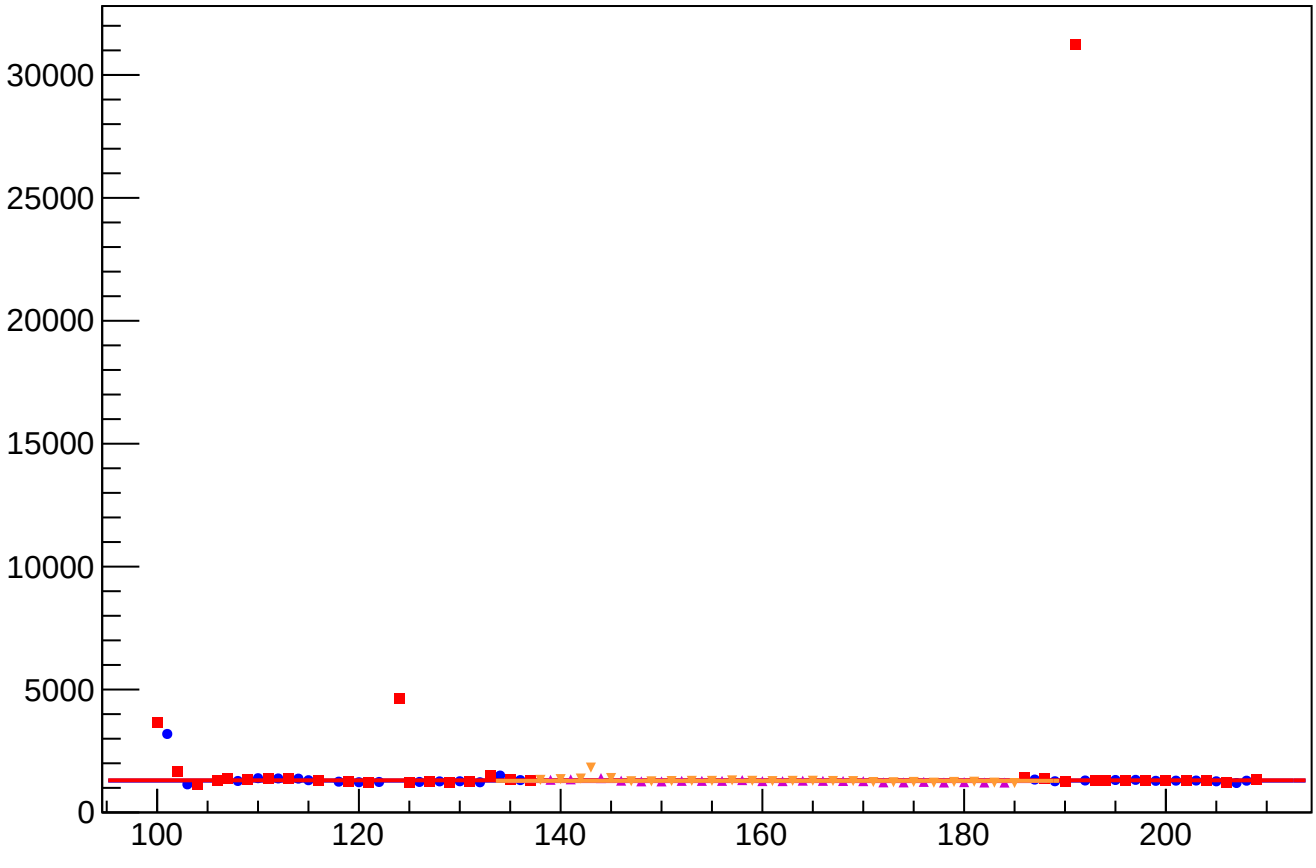
Left: 1941.050+/-208.879 χ^2/NDF: 62.8/47

Right: 2219.375+/-229.390 χ^2/NDF: 45.1/58

In: 2519.731+/-220.681 χ^2/NDF:37.4/49

Out: 1632.811+/-216.220 χ^2/NDF:63.1/56

All: 2067.216+/-154.443 χ^2/NDF: 108.7/106



Right In: 1294.607+/-0.232 χ^2/NDF: 532241.4/26

Left Out: 1285.649+/-0.207 χ^2/NDF:191027.3/24

Right Out: 1307.951+/-0.227 χ^2/NDF: 505573.7/31

Left In: 1275.941+/-0.211 χ^2/NDF:41399.0/22

Left: 1280.882+/-0.148 χ^2/NDF: 233506.1/47

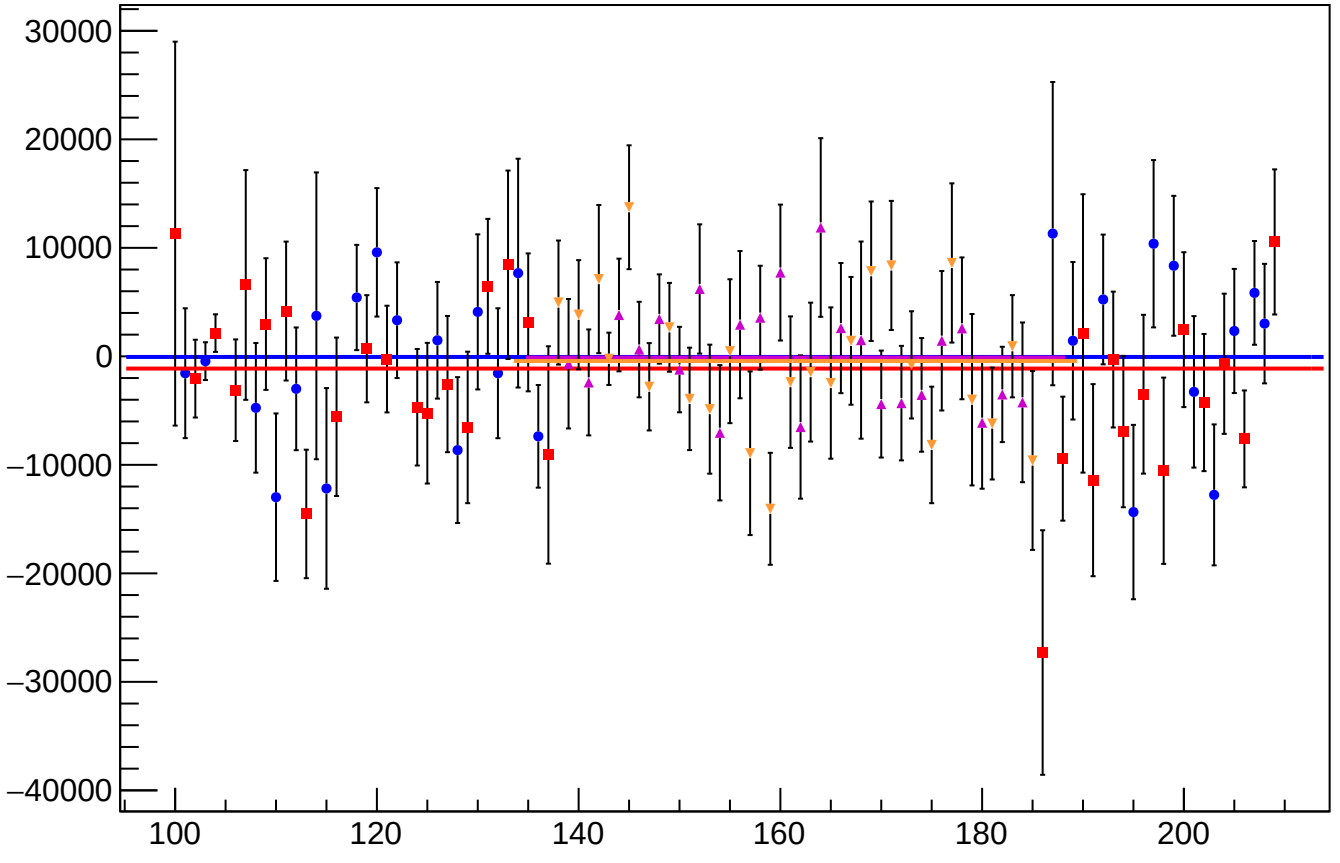
Right: 1301.440+/-0.162 χ^2/NDF: 1039507.5/58

In: 1284.377+/-0.156 χ^2/NDF:577184.6/49

Out: 1295.796+/-0.153 χ^2/NDF:701881.2/56

All: 1290.205+/-0.109 χ^2/NDF: 1281799.1/10

asym_atl_avg_atr_avg_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -56.739+/-1012.645 χ^2/NDF: 29.2/26

Left Out: -428.525+/-1038.036 χ^2/NDF:29.8/24

Right Out: -1126.202+/-950.904 χ^2/NDF: 33.5/31

Left In: -119.307+/-1144.695 χ^2/NDF:13.6/22

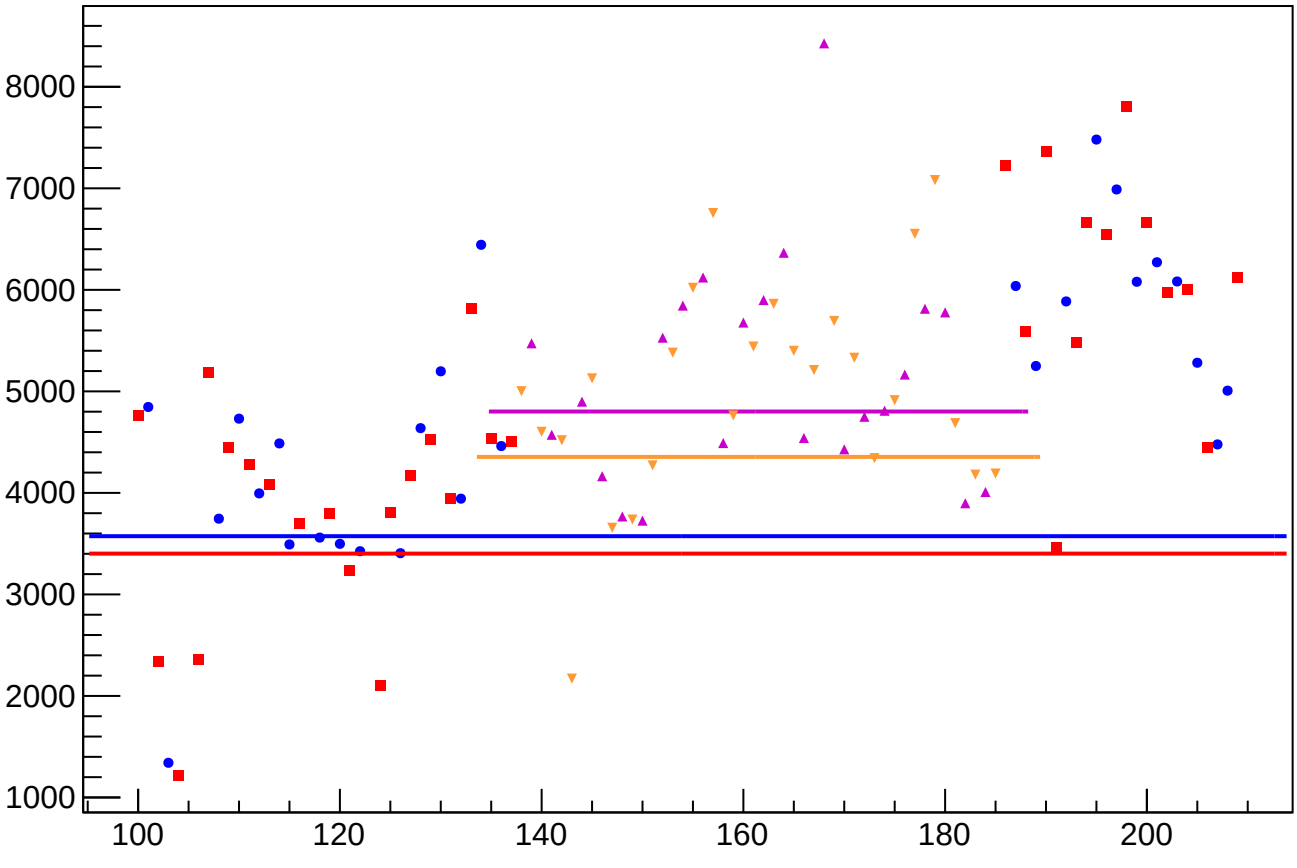
Left: -288.990+/-768.952 χ^2/NDF: 43.5/47

Right: -625.065+/-693.190 χ^2/NDF: 63.3/58

In: -84.208+/-758.458 χ^2/NDF:42.8/49

Out: -807.869+/-701.174 χ^2/NDF:63.6/56

All: -474.395+/-514.867 χ^2/NDF: 106.9/106



Right In: 3573.543+/-0.716 χ^2/NDF: 6444958.5/26

Left Out: 4354.511+/-0.734 χ^2/NDF:3071528.5/24

Right Out: 3402.003+/-0.672 χ^2/NDF: 7928395.9/31

Left In: 4801.570+/-0.809 χ^2/NDF:1231894.6/22

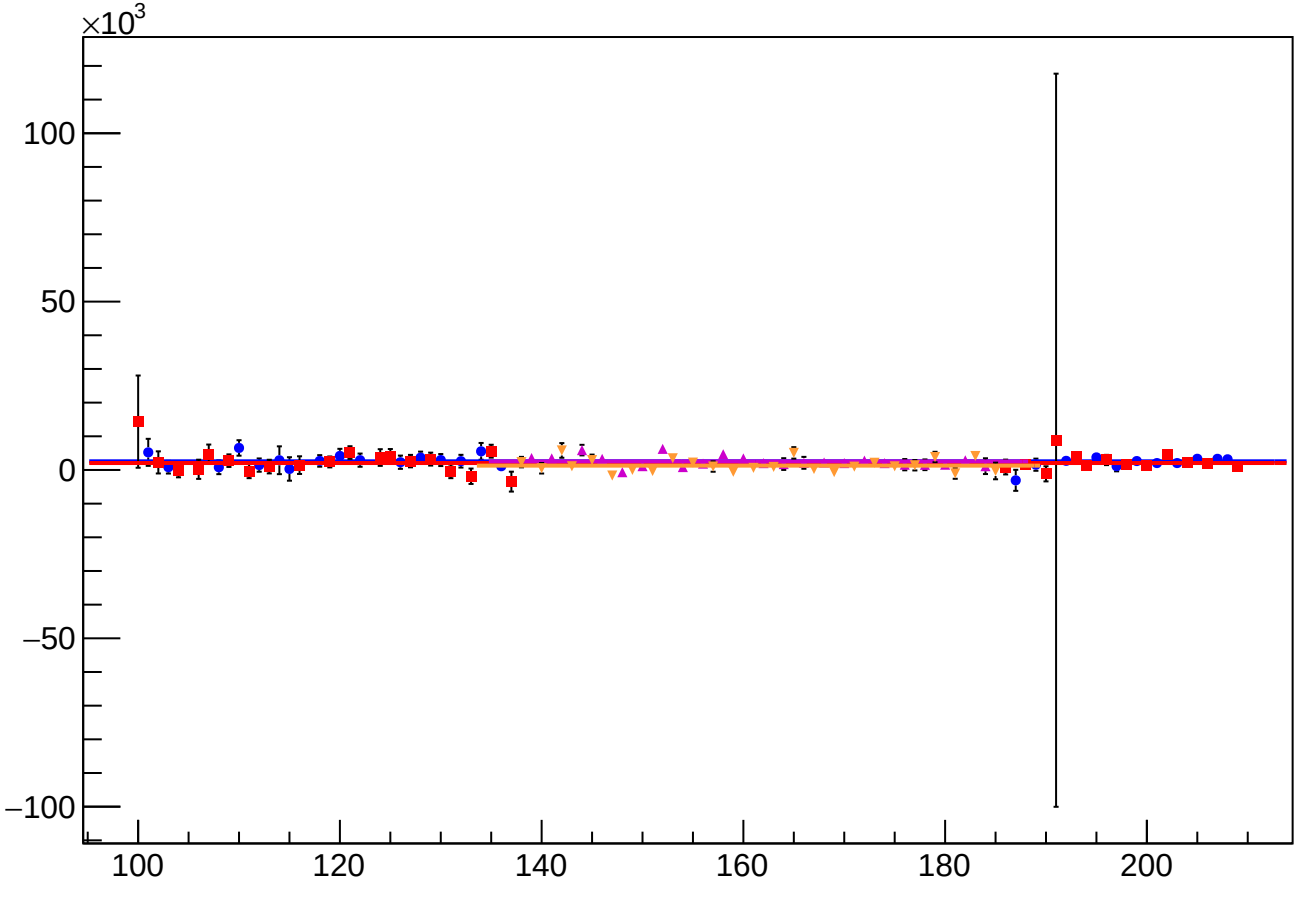
Left: 4556.247+/-0.544 χ^2/NDF: 4470822.6/47

Right: 3482.385+/-0.490 χ^2/NDF: 14403853.0/58

In: 4112.670+/-0.536 χ^2/NDF:8968115.5/49

Out: 3836.609+/-0.496 χ^2/NDF:11915557.5/56

All: 3963.822+/-0.364 χ^2/NDF: 21026534.7/1



Right In: 2570.681+/-337.205 χ^2/NDF: 15.5/26

Left Out: 1284.422+/-300.530 χ^2/NDF:33.4/24

Right Out: 2062.781+/-327.591 χ^2/NDF: 30.1/31

Left In: 2531.791+/-312.886 χ^2/NDF:25.0/22

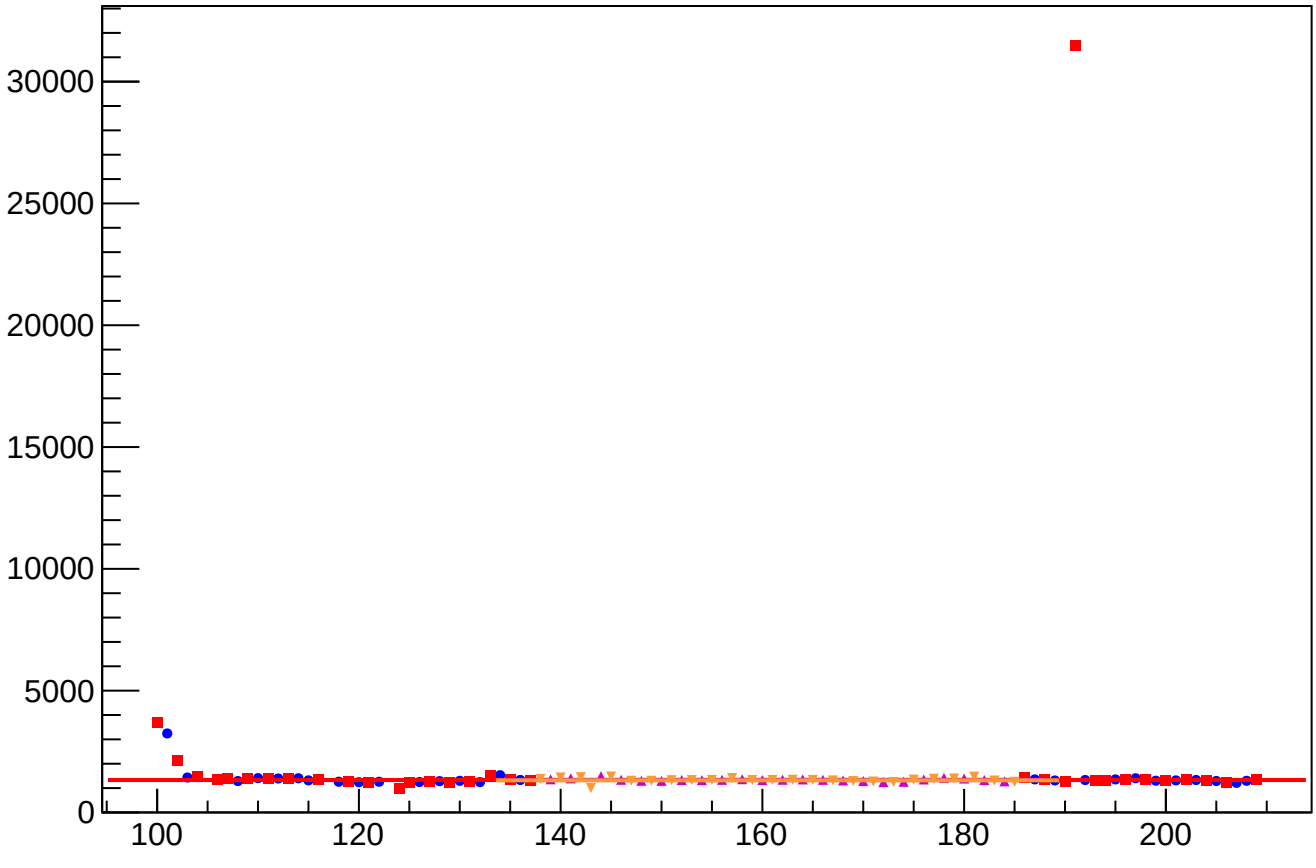
Left: 1882.989+/-216.743 χ^2/NDF: 66.7/47

Right: 2309.387+/-234.967 χ^2/NDF: 46.8/58

In: 2549.783+/-229.360 χ^2/NDF:40.6/49

Out: 1640.130+/-221.456 χ^2/NDF:66.6/56

All: 2079.014+/-159.314 χ^2/NDF: 115.3/106



Right In: 1329.653+/-0.238 χ^2/NDF: 522213.1/26

Left Out: 1318.174+/-0.213 χ^2/NDF:248547.7/24

Right Out: 1334.115+/-0.232 χ^2/NDF: 447745.7/31

Left In: 1338.602+/-0.221 χ^2/NDF:54248.5/22

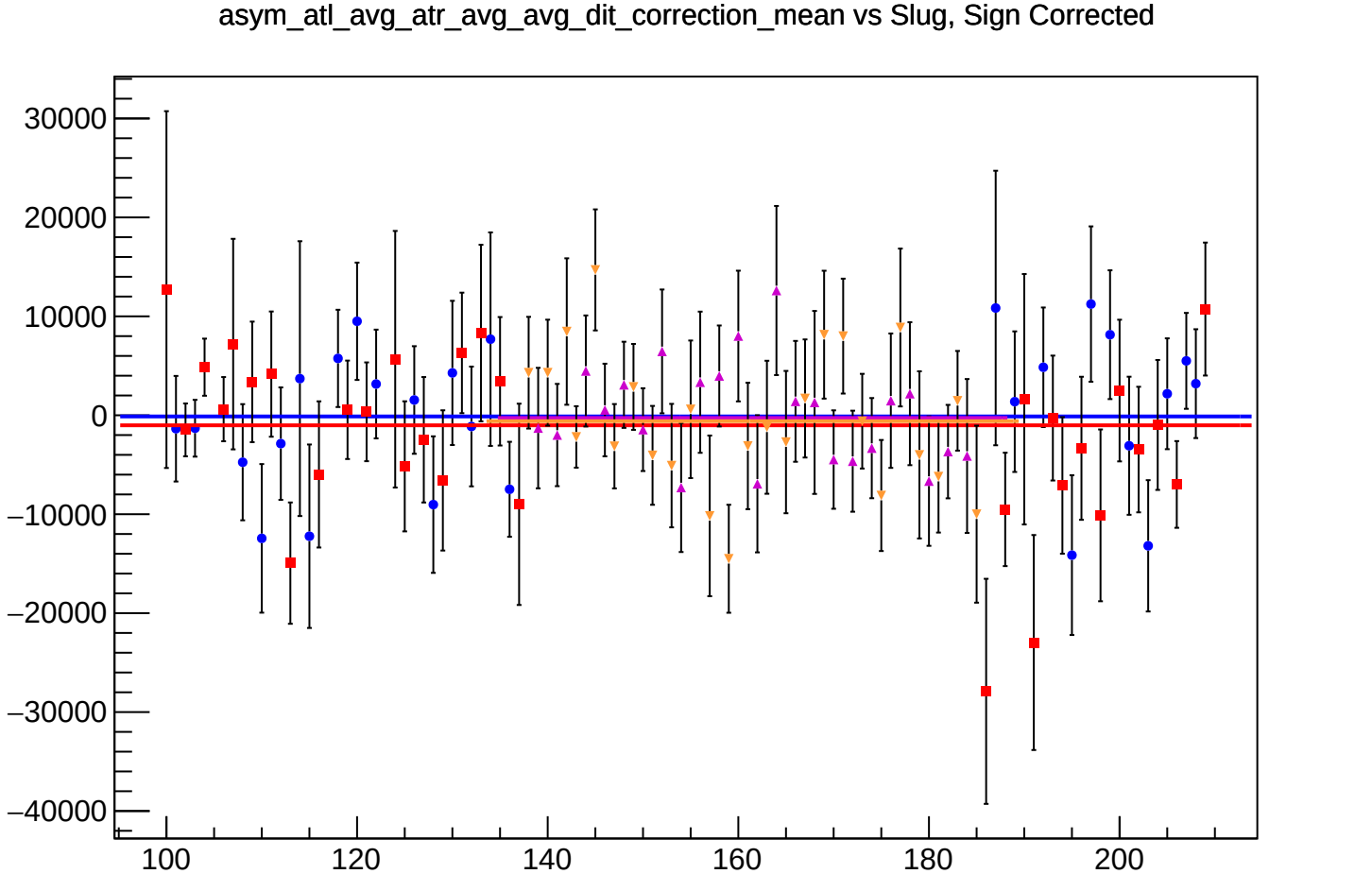
Left: 1327.977+/-0.153 χ^2/NDF: 307230.5/47

Right: 1331.949+/-0.166 χ^2/NDF: 970139.0/58

In: 1334.462+/-0.162 χ^2/NDF:577218.5/49

Out: 1325.461+/-0.157 χ^2/NDF:698865.5/56

All: 1329.803+/-0.113 χ^2/NDF: 1277678.3/10



Right In: -117.611+/-1143.138 χ^2/NDF: 29.0/26

Left Out: -594.916+/-1122.287 χ^2/NDF:29.5/24

Right Out: -1013.665+/-1018.134 χ^2/NDF: 36.7/31

Left In: -272.915+/-1196.804 χ^2/NDF:13.4/22

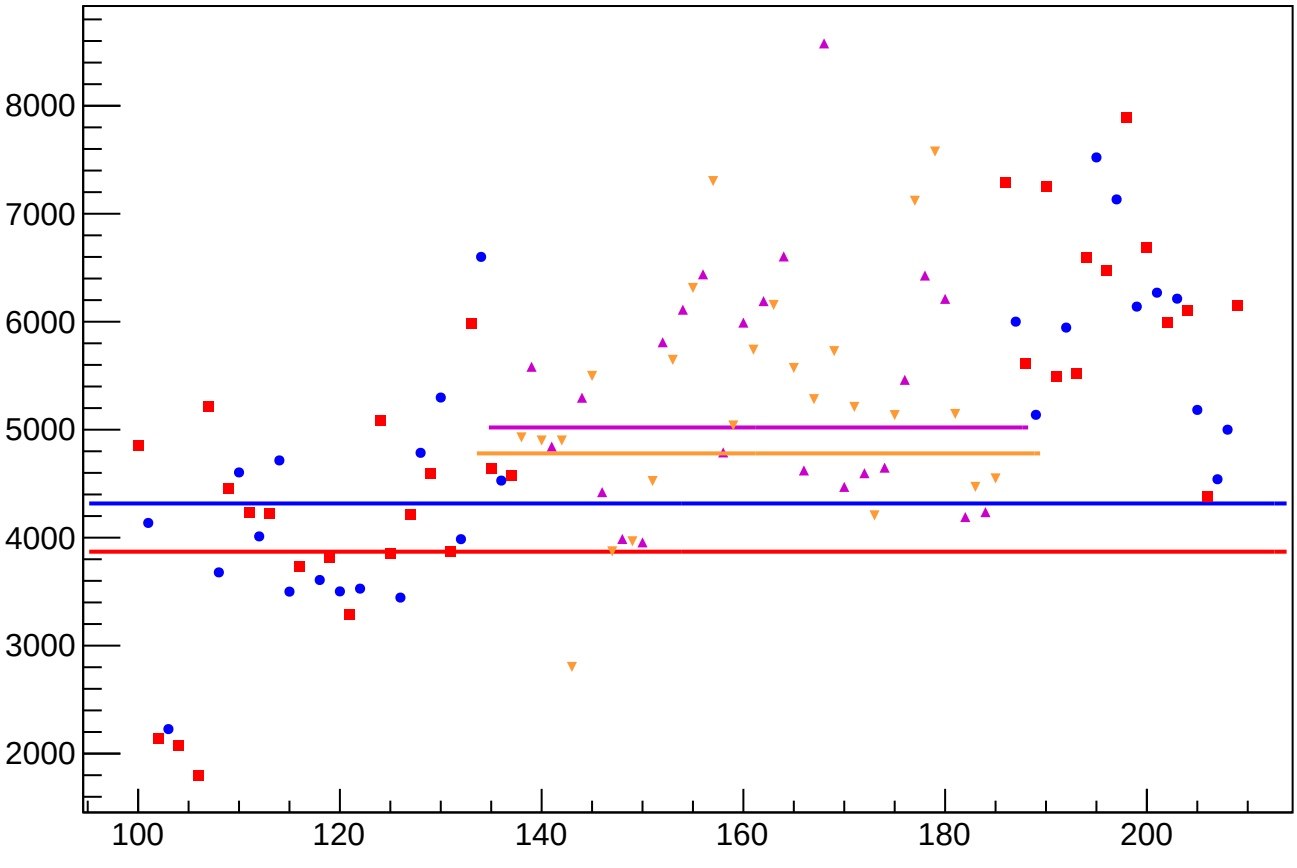
Left: -444.251+/-818.653 χ^2/NDF: 43.0/47

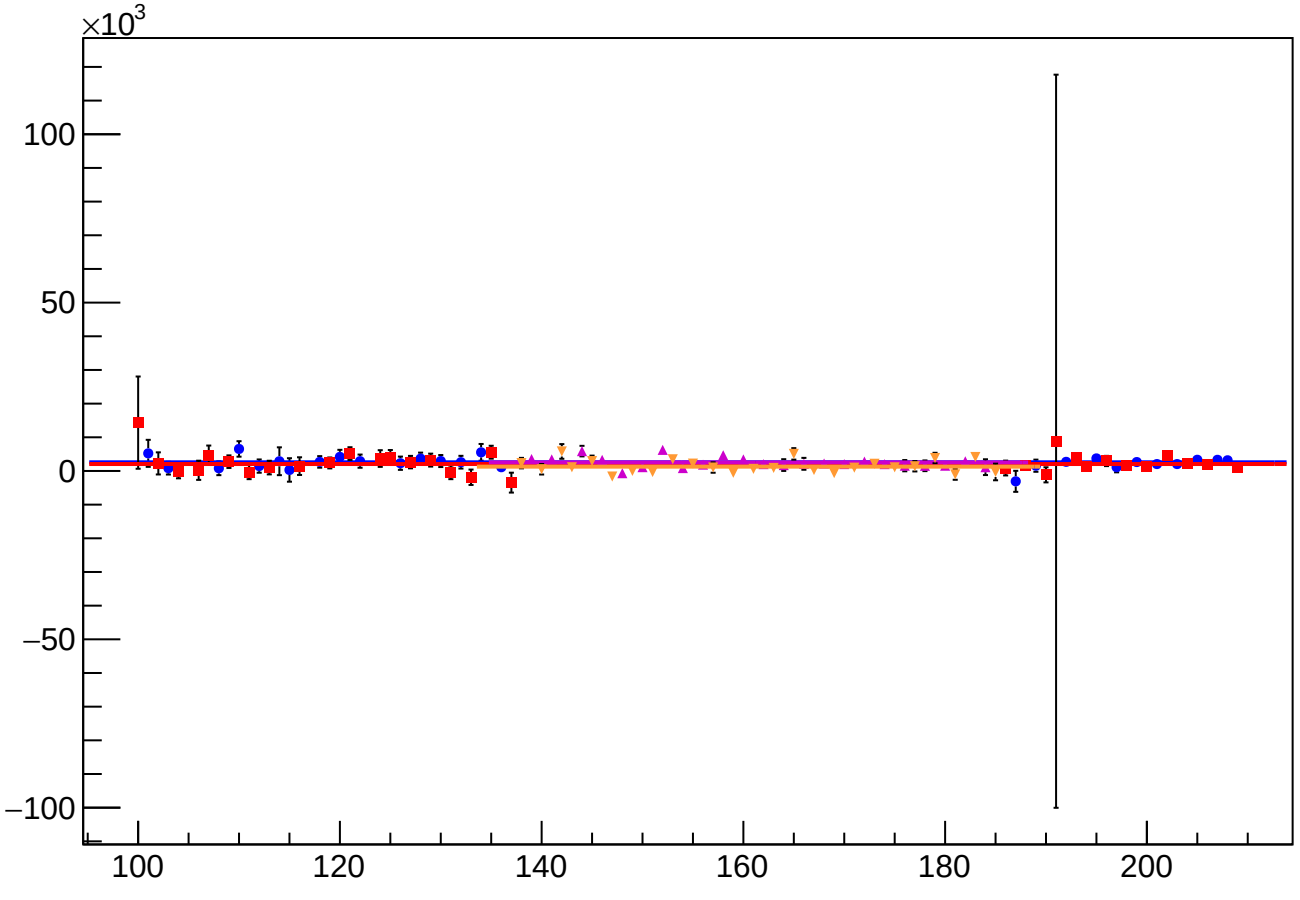
Right: -617.291+/-760.298 χ^2/NDF: 66.1/58

In: -191.703+/-826.642 χ^2/NDF:42.4/49

Out: -824.619+/-754.069 χ^2/NDF:66.3/56

All: -537.158+/-557.101 χ^2/NDF: 109.1/106


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
Right In: 4316.696+/-0.808 χ²/NDF: 2763090.9/26
Left Out: 4780.396+/-0.794 χ²/NDF:2006245.3/24
Right Out: 3870.044+/-0.720 χ²/NDF: 5437217.0/31
Left In: 5020.560+/-0.846 χ²/NDF:1225091.9/22
Left: 4892.769+/-0.579 χ²/NDF: 3274191.3/47
Right: 4067.623+/-0.538 χ²/NDF: 8370574.7/58
In: 4652.493+/-0.585 χ²/NDF:4349924.3/49
Out: 4281.027+/-0.533 χ²/NDF:8165322.9/56
All: 4449.741+/-0.394 χ²/NDF: 12735682.2/



Right In: 2570.678+/-337.205 χ^2/NDF: 15.5/26

Left Out: 1284.416+/-300.530 χ^2/NDF:33.4/24

Right Out: 2062.780+/-327.591 χ^2/NDF: 30.1/31

Left In: 2531.791+/-312.887 χ^2/NDF:25.0/22

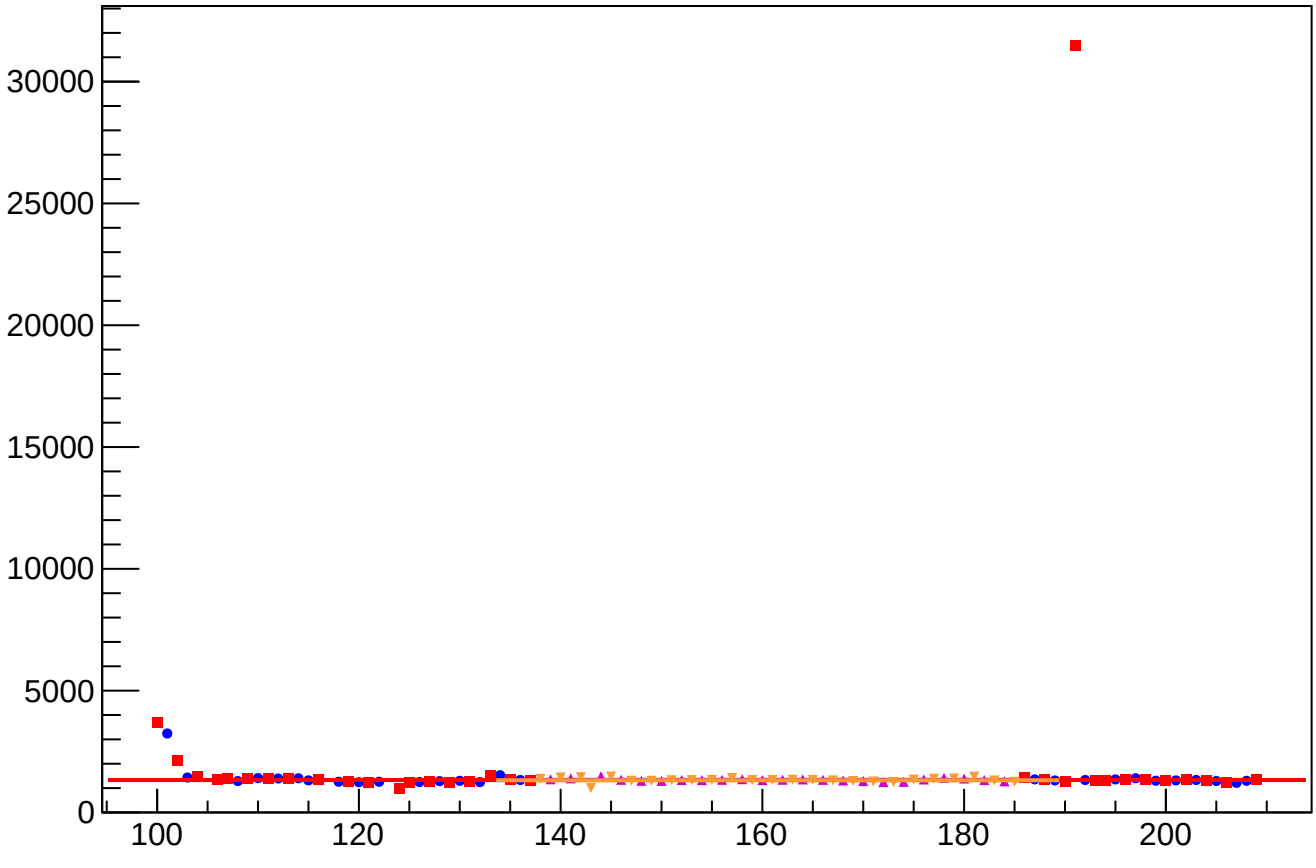
Left: 1882.986+/-216.744 χ^2/NDF: 66.7/47

Right: 2309.386+/-234.967 χ^2/NDF: 46.8/58

In: 2549.782+/-229.360 χ^2/NDF:40.6/49

Out: 1640.127+/-221.457 χ^2/NDF:66.6/56

All: 2079.012+/-159.314 χ^2/NDF: 115.3/106



Right In: 1329.653+/-0.238 χ^2/NDF: 522213.2/26

Left Out: 1318.176+/-0.213 χ^2/NDF:248550.2/24

Right Out: 1334.114+/-0.232 χ^2/NDF: 447744.8/31

Left In: 1338.604+/-0.221 χ^2/NDF:54251.0/22

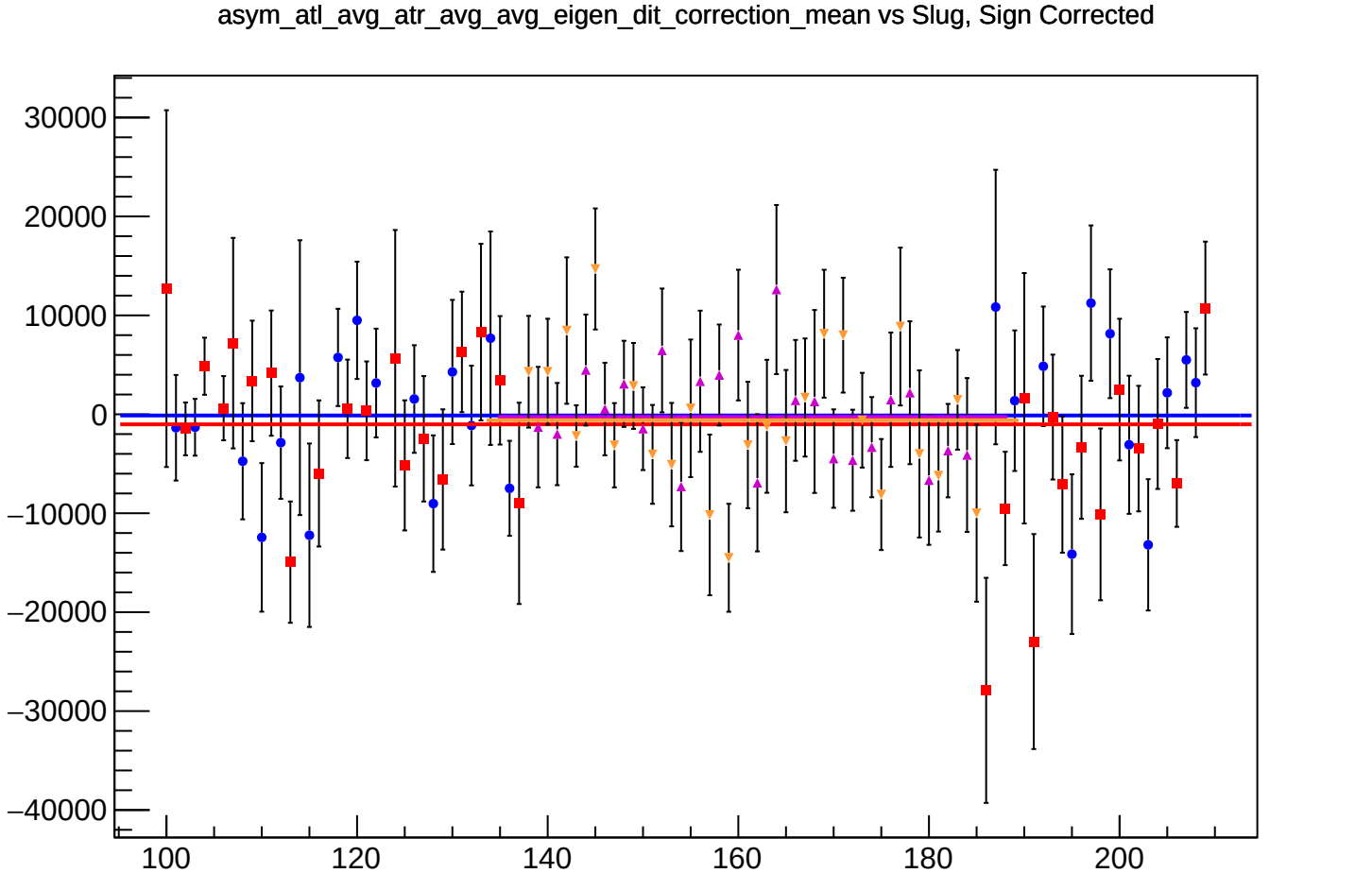
Left: 1327.978+/-0.153 χ^2/NDF: 307235.6/47

Right: 1331.949+/-0.166 χ^2/NDF: 970138.1/58

In: 1334.463+/-0.162 χ^2/NDF:577221.4/49

Out: 1325.462+/-0.157 χ^2/NDF:698866.6/56

All: 1329.804+/-0.113 χ^2/NDF: 1277682.3/10



Right In: -117.609+/-1143.137 χ^2/NDF: 29.0/26

Left Out: -594.920+/-1122.288 χ^2/NDF:29.5/24

Right Out: -1013.658+/-1018.132 χ^2/NDF: 36.7/31

Left In: -272.917+/-1196.806 χ^2/NDF:13.4/22

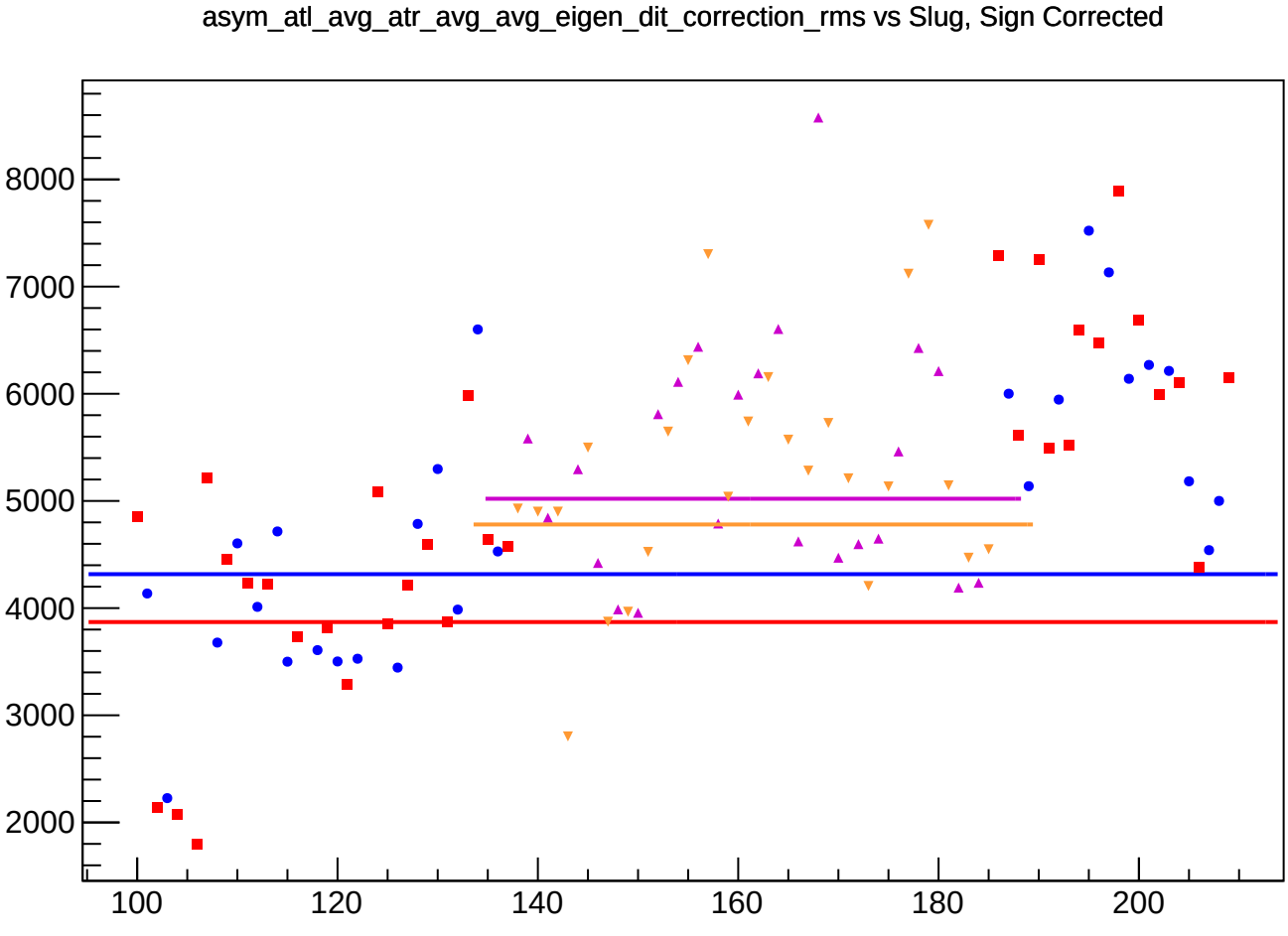
Left: -444.254+/-818.655 χ^2/NDF: 43.0/47

Right: -617.287+/-760.297 χ^2/NDF: 66.1/58

In: -191.702+/-826.642 χ^2/NDF:42.4/49

Out: -824.617+/-754.069 χ^2/NDF:66.3/56

All: -537.157+/-557.101 χ^2/NDF: 109.1/106



Right In: 4316.690+/-0.808 χ^2/NDF: 2763118.7/26

Left Out: 4780.404+/-0.794 χ^2/NDF:2006246.8/24

Right Out: 3870.036+/-0.720 χ^2/NDF: 5437253.8/31

Left In: 5020.567+/-0.846 χ^2/NDF:1225095.5/22

Left: 4892.776+/-0.579 χ^2/NDF: 3274196.2/47

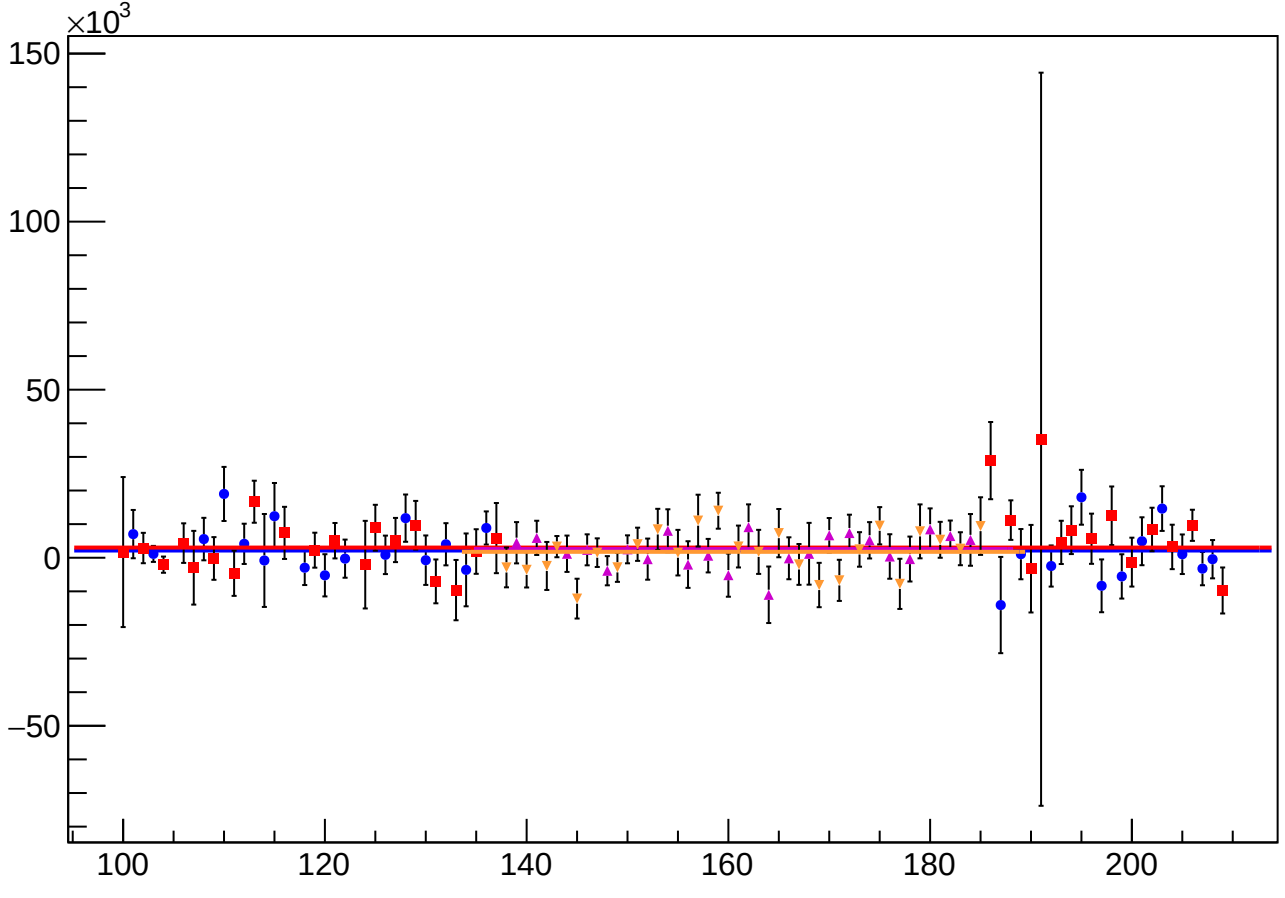
Right: 4067.615+/-0.538 χ^2/NDF: 8370641.3/58

In: 4652.493+/-0.585 χ^2/NDF:4349969.6/49

Out: 4281.024+/-0.533 χ^2/NDF:8165386.4/56

All: 4449.740+/-0.394 χ^2/NDF: 12735793.1/1

asym_atl_avg_atr_avg_avg_mean vs Slug, Sign Corrected



Right In: 2151.336+/-1143.715 χ^2/NDF: 27.3/26

Left Out: 1761.683+/-1116.232 χ^2/NDF:27.7/24

Right Out: 3026.462+/-1110.740 χ^2/NDF: 33.7/31

Left In: 2579.960+/-1188.448 χ^2/NDF:13.3/22

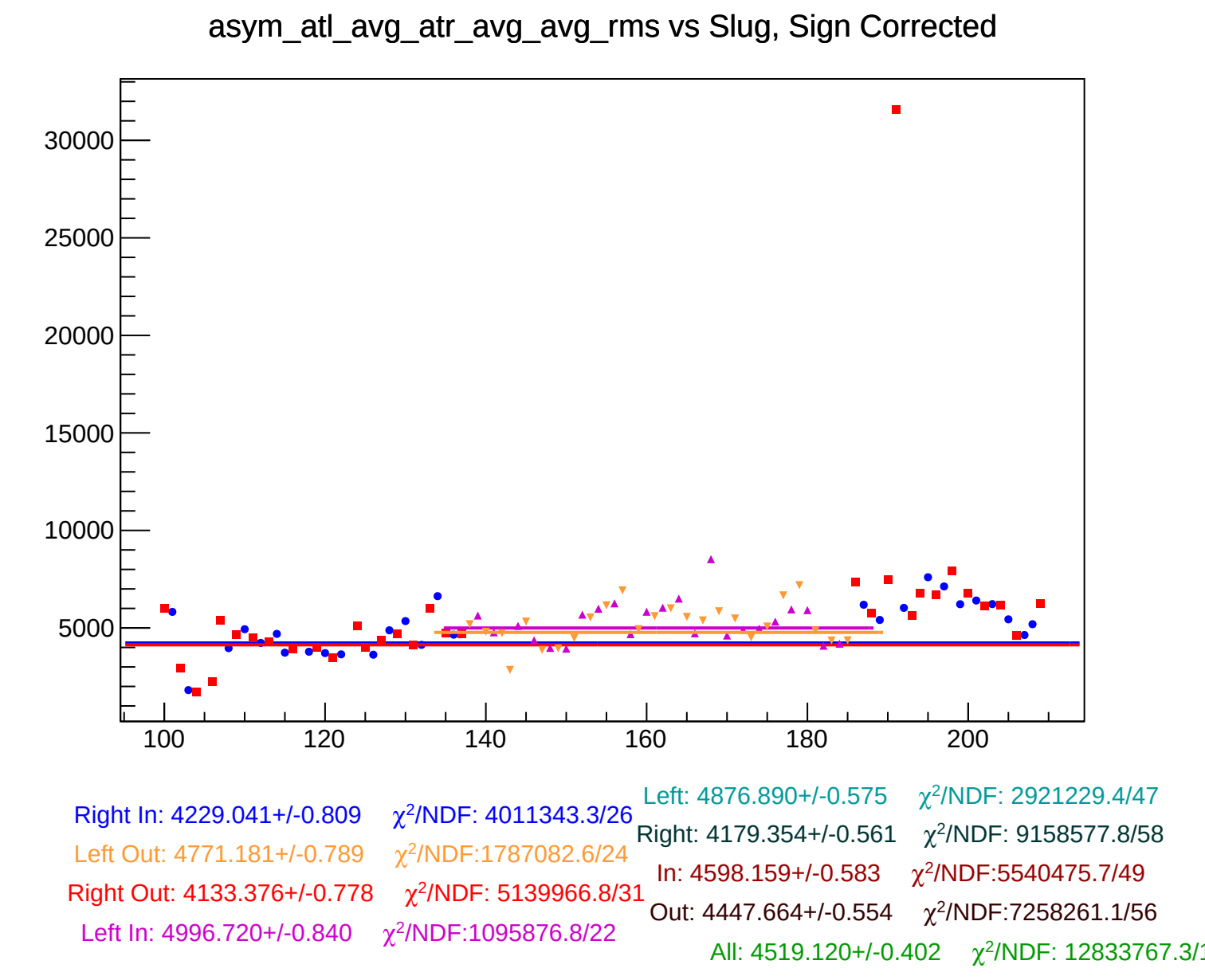
Left: 2145.206+/-813.628 χ^2/NDF: 41.2/47

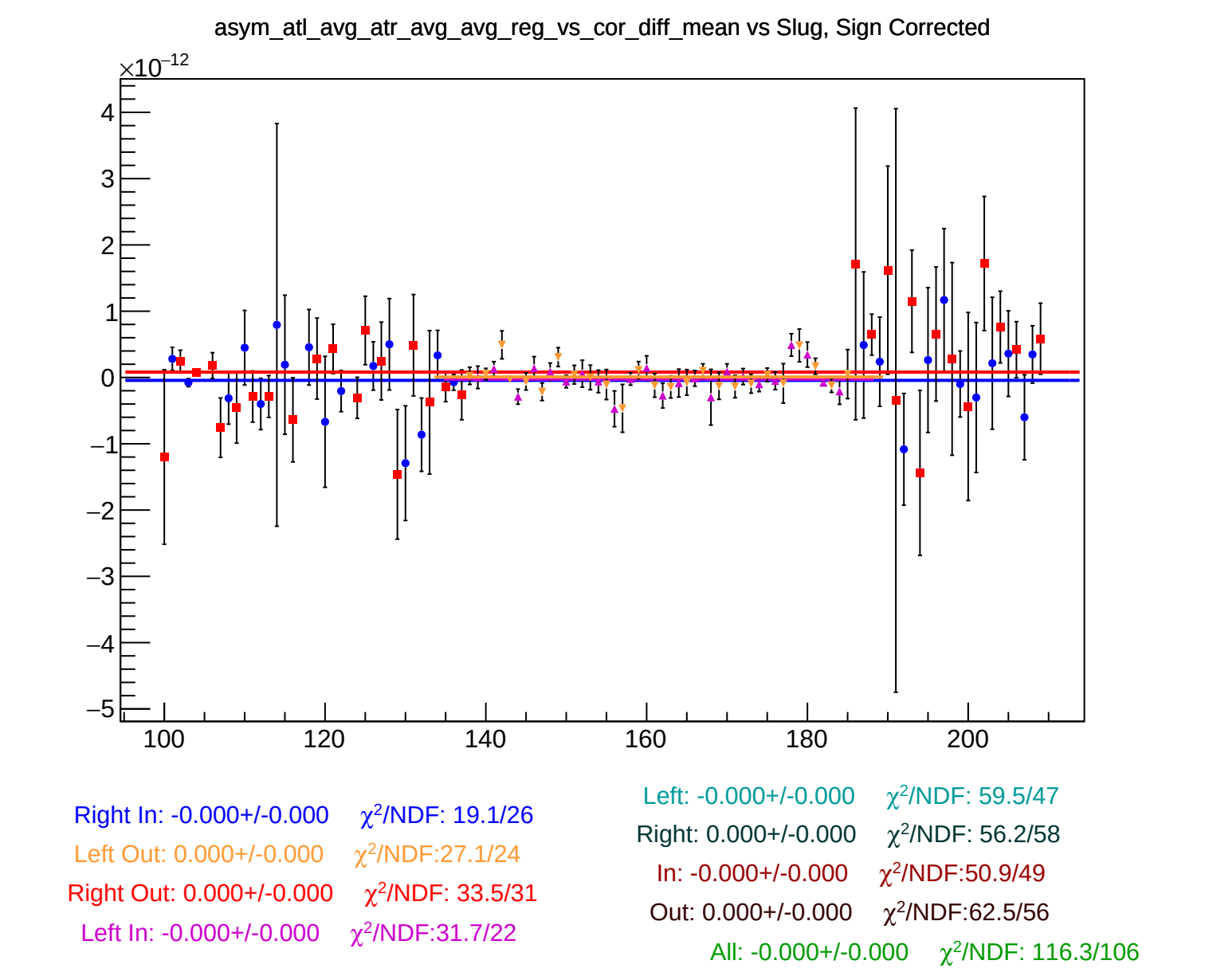
Right: 2601.696+/-796.814 χ^2/NDF: 61.3/58

In: 2357.429+/-824.089 χ^2/NDF:40.6/49

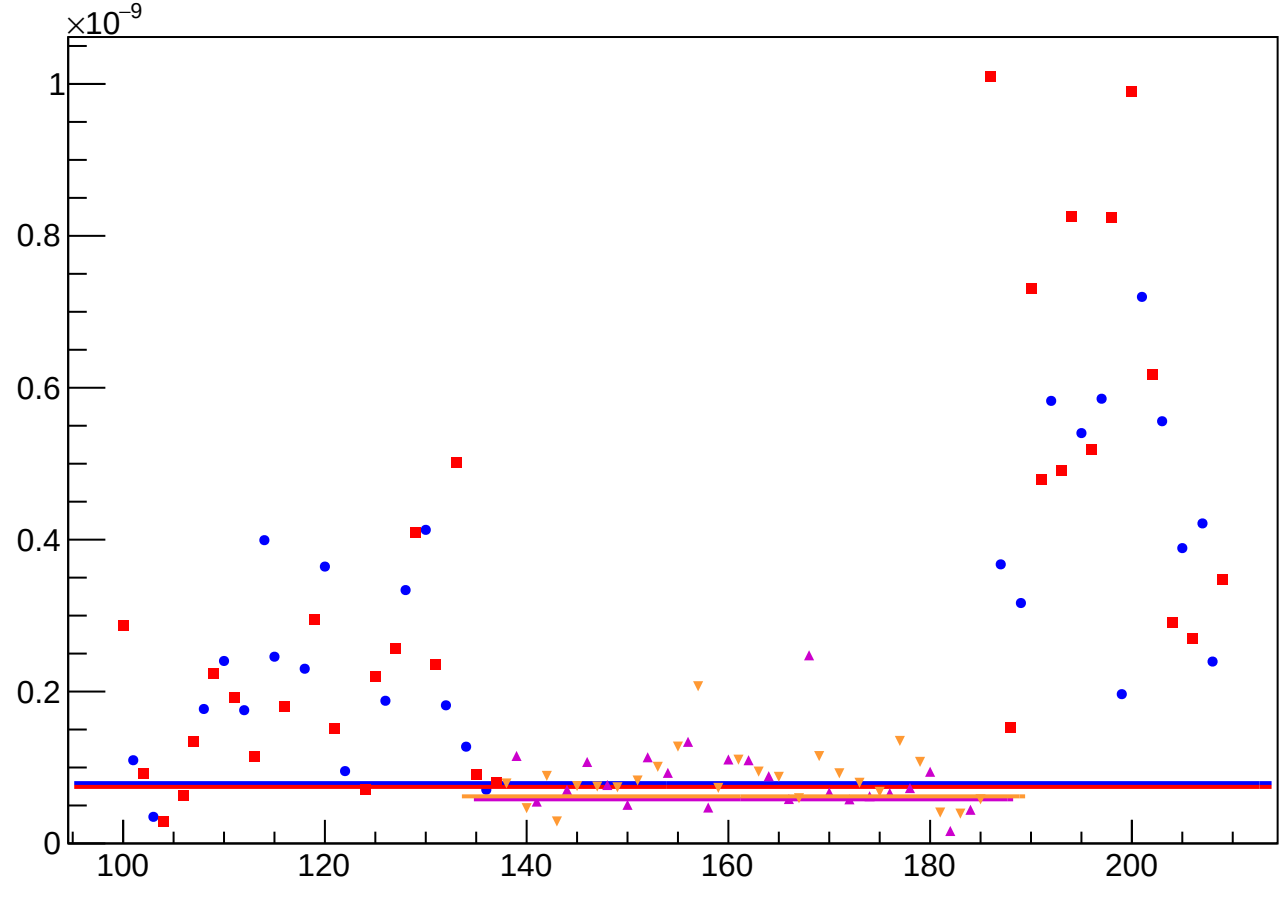
Out: 2397.192+/-787.346 χ^2/NDF:62.0/56

All: 2378.217+/-569.284 χ^2/NDF: 102.6/106


asym_atl_avg_atr_avg_avg_rms vs Slug, Sign Corrected
30000
25000
20000
15000
10000
5000
100
120
140
160
180
200
Right In: 4229.041+/-0.809 χ²/NDF: 4011343.3/26
Left Out: 4771.181+/-0.789 χ²/NDF:1787082.6/24
Right Out: 4133.376+/-0.778 χ²/NDF: 5139966.8/31
Left In: 4996.720+/-0.840 χ²/NDF:1095876.8/22
Left: 4876.890+/-0.575 χ²/NDF: 2921229.4/47
Right: 4179.354+/-0.561 χ²/NDF: 9158577.8/58
In: 4598.159+/-0.583 χ²/NDF:5540475.7/49
Out: 4447.664+/-0.554 χ²/NDF:7258261.1/56
All: 4519.120+/-0.402 χ²/NDF: 12833767.3/


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
Right In: -0.000+/-0.000 χ²/NDF: 19.1/26
Left Out: 0.000+/-0.000 χ²/NDF:27.1/24
Right Out: 0.000+/-0.000 χ²/NDF: 33.5/31
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: 56.2/58
In: -0.000+/-0.000 χ²/NDF:50.9/49
Out: 0.000+/-0.000 χ²/NDF:62.5/56
All: -0.000+/-0.000 χ²/NDF: 116.3/106

asym_atl_avg_atr_avg_avg_reg_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 7179193.1/26

Left Out: 0.000+/-0.000 χ^2/NDF:2443383.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 8800417.4/31

Left In: 0.000+/-0.000 χ^2/NDF:2966562.8/22

Left: 0.000+/-0.000 χ^2/NDF: 5432557.1/47

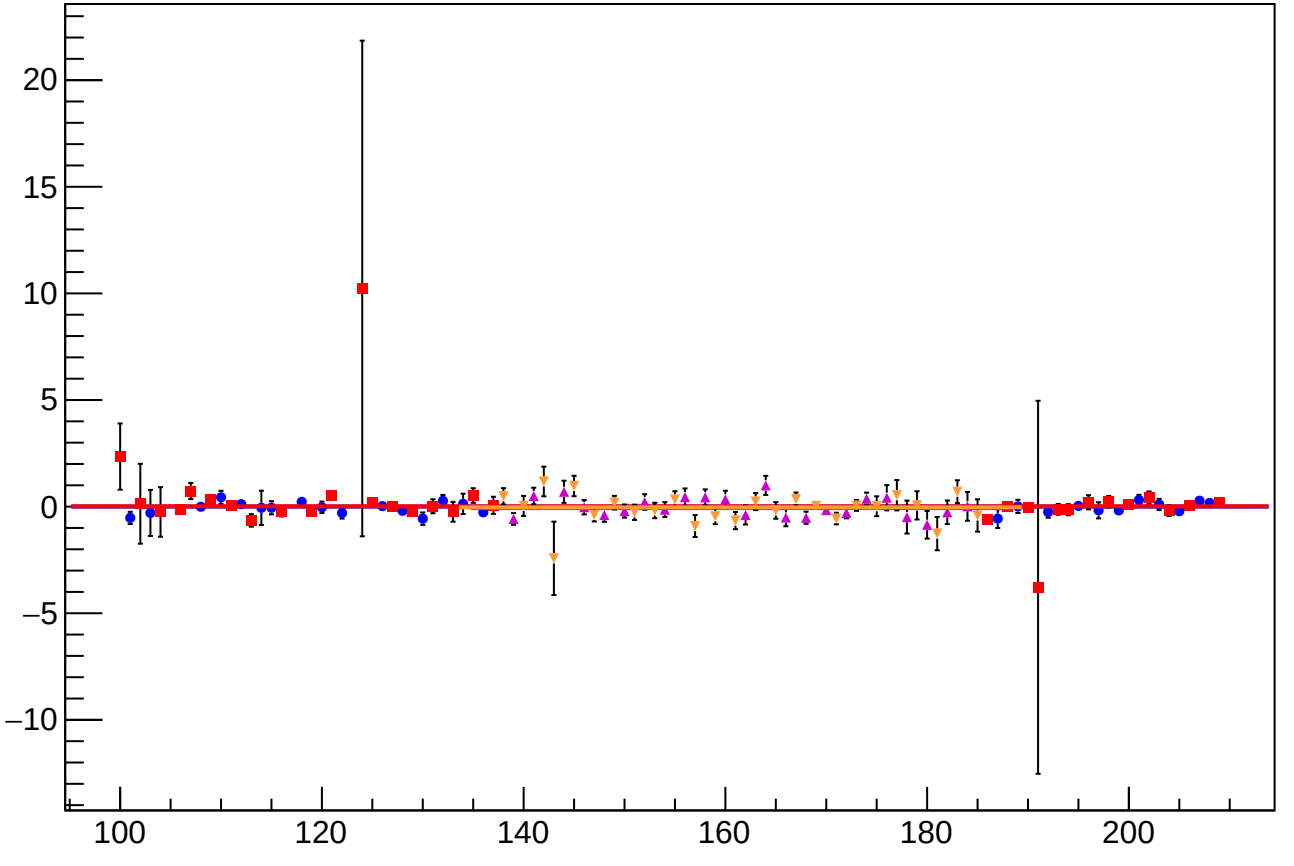
Right: 0.000+/-0.000 χ^2/NDF: 15990930.0/58

In: 0.000+/-0.000 χ^2/NDF:10456401.7/49

Out: 0.000+/-0.000 χ^2/NDF:11354274.6/56

All: 0.000+/-0.000 χ^2/NDF: 21817592.0/106

asym_atl_avg_atr_avg_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.002+/-0.046 χ^2/NDF: 27.6/26

Left Out: -0.035+/-0.077 χ^2/NDF:32.5/24

Right Out: 0.015+/-0.042 χ^2/NDF: 40.9/31

Left In: -0.069+/-0.075 χ^2/NDF:29.9/22

Left: -0.052+/-0.054 χ^2/NDF: 62.6/47

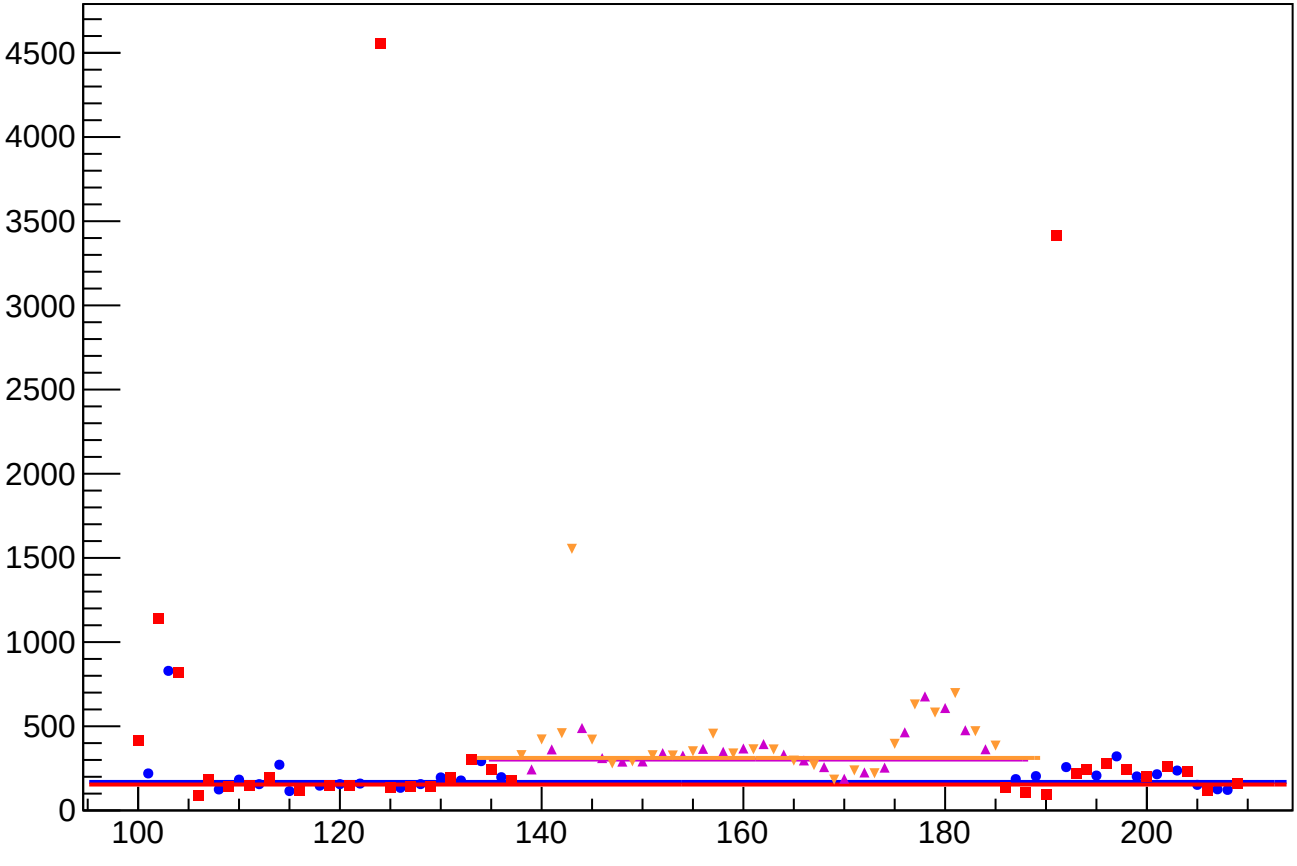
Right: 0.009+/-0.031 χ^2/NDF: 68.5/58

In: -0.017+/-0.039 χ^2/NDF:58.1/49

Out: 0.003+/-0.037 χ^2/NDF:73.8/56

All: -0.006+/-0.027 χ^2/NDF: 132.1/106

asym_atl_avg_atr_avg_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 169.335+/-0.033 χ^2/NDF: 2602946.9/26

Left Out: 311.961+/-0.054 χ^2/NDF:4350162.2/24

Right Out: 153.964+/-0.030 χ^2/NDF: 4773948.5/31

Left In: 302.375+/-0.053 χ^2/NDF:2808730.8/22

Left: 307.056+/-0.038 χ^2/NDF: 7174887.7/47

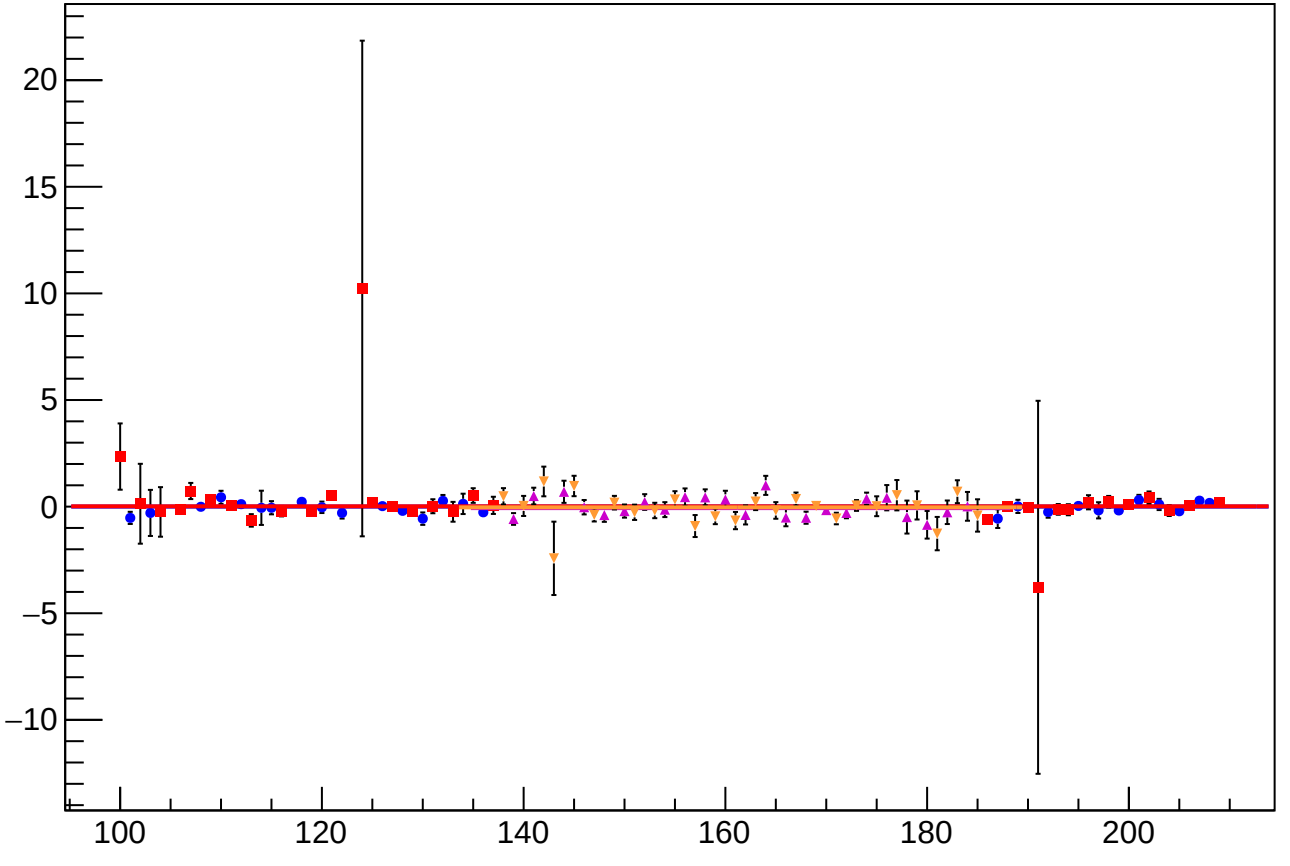
Right: 160.935+/-0.022 χ^2/NDF: 7497355.2/58

In: 206.121+/-0.028 χ^2/NDF:9977522.4/49

Out: 190.667+/-0.026 χ^2/NDF:15643688.3/56

All: 197.903+/-0.019 χ^2/NDF: 25784962.3/10

asym_atl_avg_atr_avg_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.002+/-0.046 χ^2/NDF: 27.6/26

Left Out: -0.035+/-0.077 χ^2/NDF:32.5/24

Right Out: 0.015+/-0.042 χ^2/NDF: 40.9/31

Left In: -0.069+/-0.075 χ^2/NDF:29.9/22

Left: -0.052+/-0.054 χ^2/NDF: 62.6/47

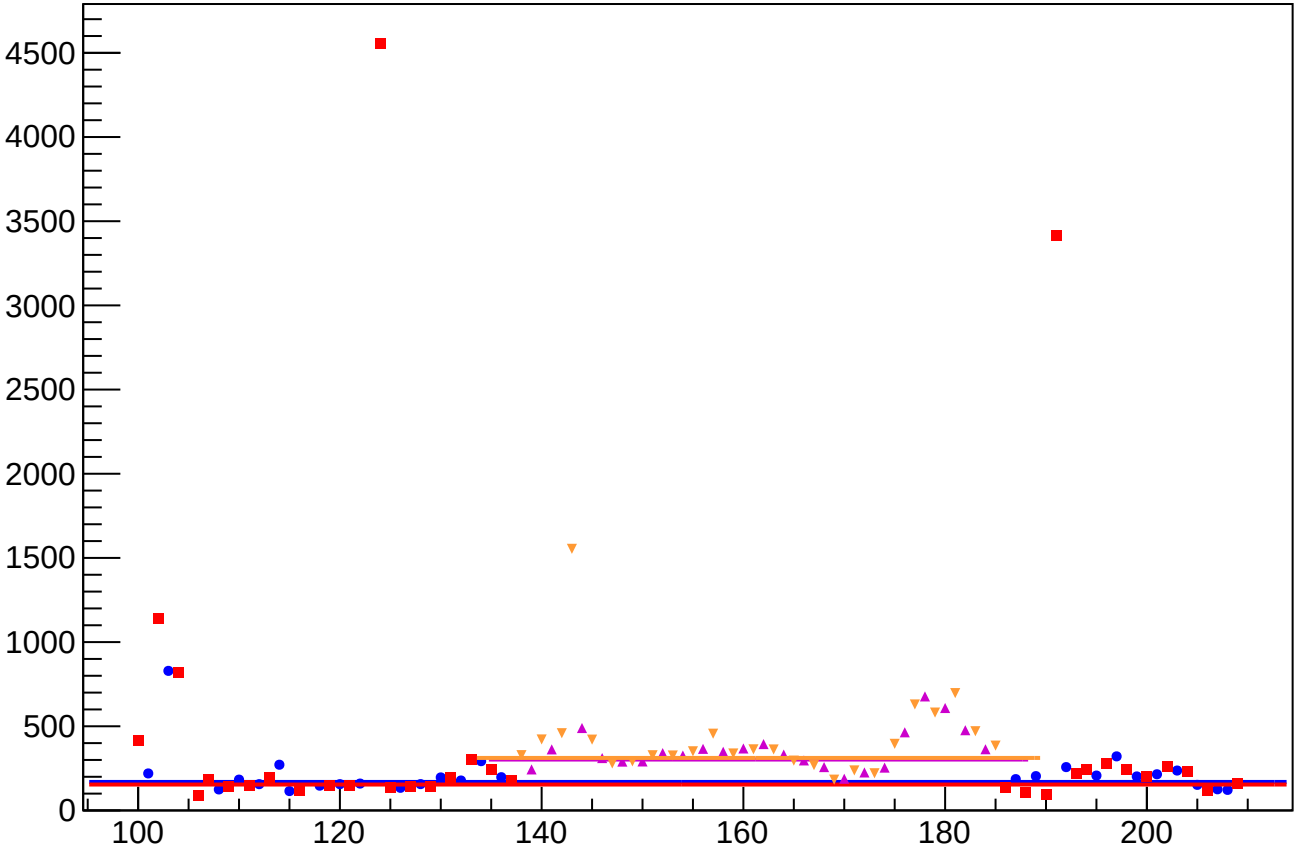
Right: 0.009+/-0.031 χ^2/NDF: 68.5/58

In: -0.017+/-0.039 χ^2/NDF:58.1/49

Out: 0.003+/-0.037 χ^2/NDF:73.8/56

All: -0.006+/-0.027 χ^2/NDF: 132.1/106

asym_atl_avg_atr_avg_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 169.335+/-0.033 χ^2/NDF: 2602946.9/26

Left Out: 311.961+/-0.054 χ^2/NDF:4350162.2/24

Right Out: 153.964+/-0.030 χ^2/NDF: 4773948.5/31

Left In: 302.375+/-0.053 χ^2/NDF:2808730.8/22

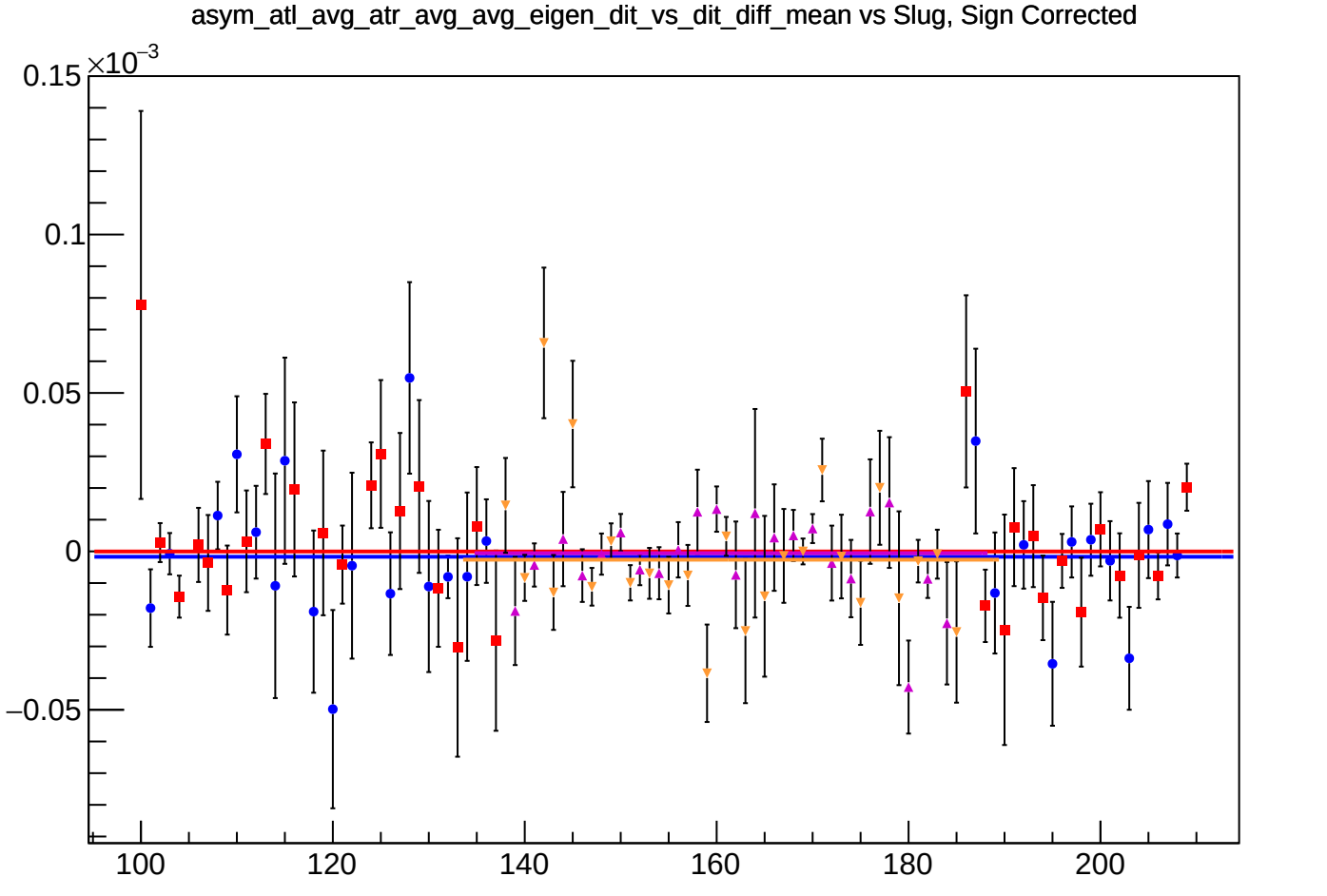
Left: 307.056+/-0.038 χ^2/NDF: 7174887.7/47

Right: 160.935+/-0.022 χ^2/NDF: 7497355.2/58

In: 206.121+/-0.028 χ^2/NDF:9977522.4/49

Out: 190.667+/-0.026 χ^2/NDF:15643688.3/56

All: 197.903+/-0.019 χ^2/NDF: 25784962.3/10



Right In: -0.000+/-0.000 χ^2/NDF: 25.7/26

Left Out: -0.000+/-0.000 χ^2/NDF:42.4/24

Right Out: -0.000+/-0.000 χ^2/NDF: 37.5/31

Left In: -0.000+/-0.000 χ^2/NDF:26.9/22

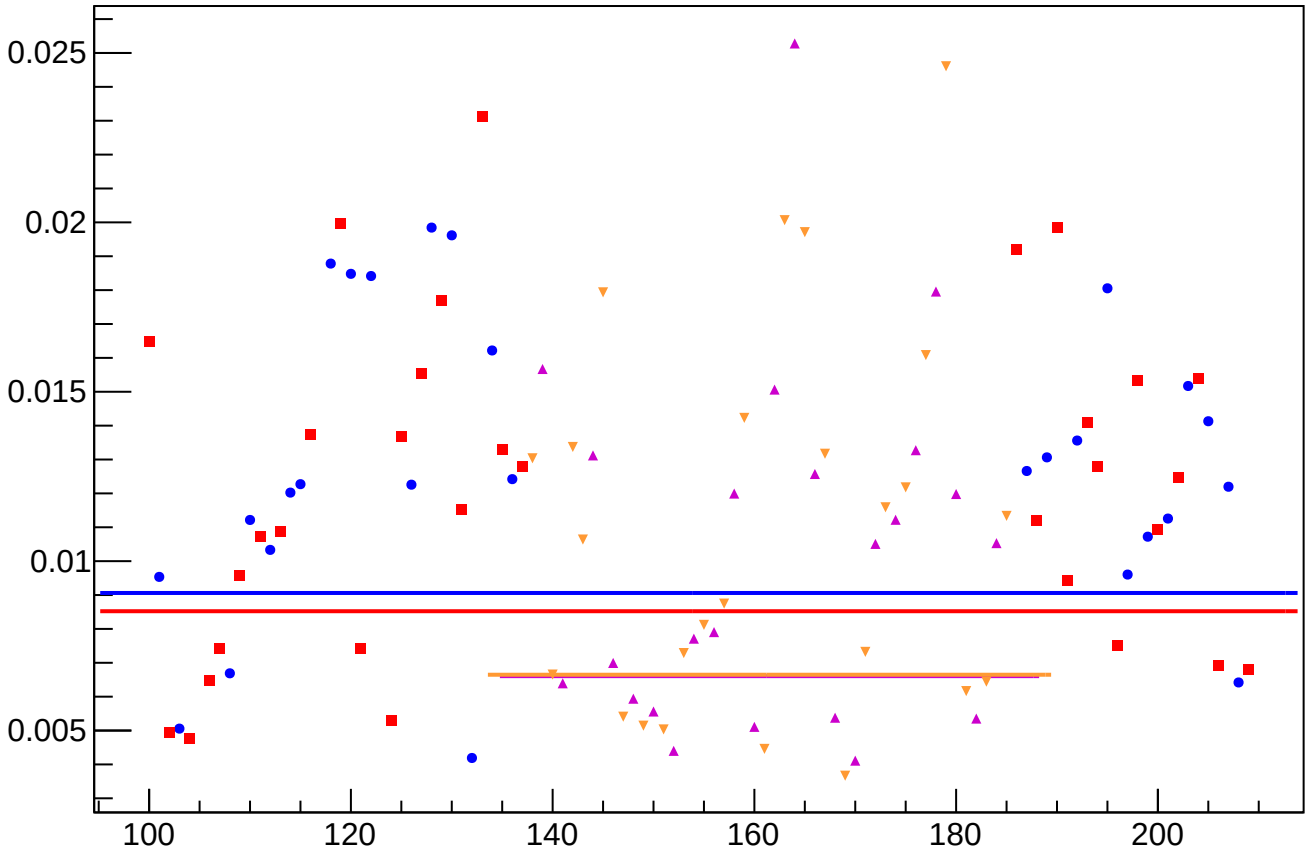
Left: -0.000+/-0.000 χ^2/NDF: 70.0/47

Right: -0.000+/-0.000 χ^2/NDF: 63.4/58

In: -0.000+/-0.000 χ^2/NDF:52.7/49

Out: -0.000+/-0.000 χ^2/NDF:80.7/56

All: -0.000+/-0.000 χ^2/NDF: 133.6/106



Right In: 0.009+/-0.000 χ^2/NDF: 5313313.3/26

Left Out: 0.007+/-0.000 χ^2/NDF:7513935.6/24

Right Out: 0.009+/-0.000 χ^2/NDF: 5330149.0/31

Left In: 0.007+/-0.000 χ^2/NDF:5855747.2/22

Left: 0.007+/-0.000 χ^2/NDF: 13370244.6/47

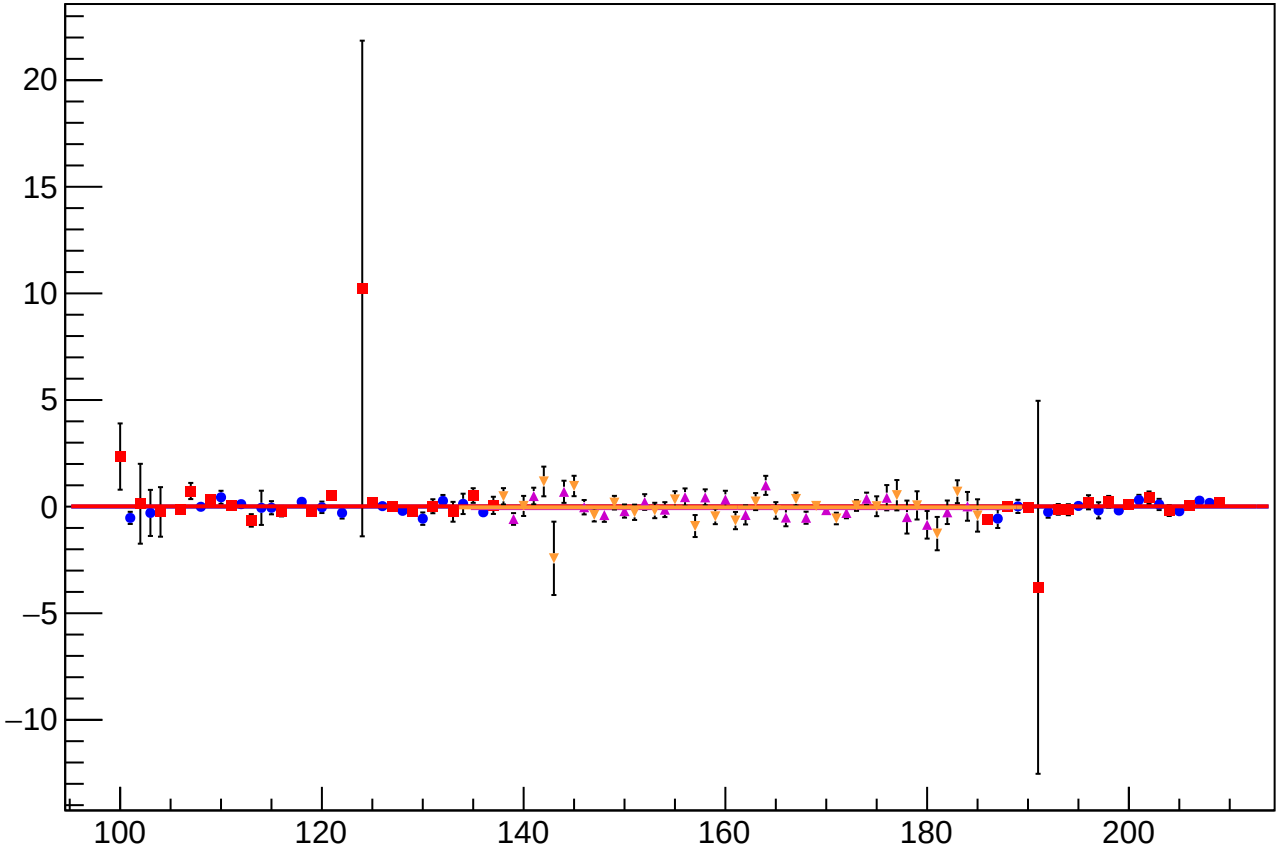
Right: 0.009+/-0.000 χ^2/NDF: 10693466.9/58

In: 0.007+/-0.000 χ^2/NDF:12424443.5/49

Out: 0.007+/-0.000 χ^2/NDF:13703747.9/56

All: 0.007+/-0.000 χ^2/NDF: 26130818.4/106

asym_atl_avg_atr_avg_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.002+/-0.046 χ^2/NDF: 27.6/26

Left Out: -0.035+/-0.077 χ^2/NDF:32.5/24

Right Out: 0.015+/-0.042 χ^2/NDF: 40.9/31

Left In: -0.069+/-0.075 χ^2/NDF:29.9/22

Left: -0.052+/-0.054 χ^2/NDF: 62.6/47

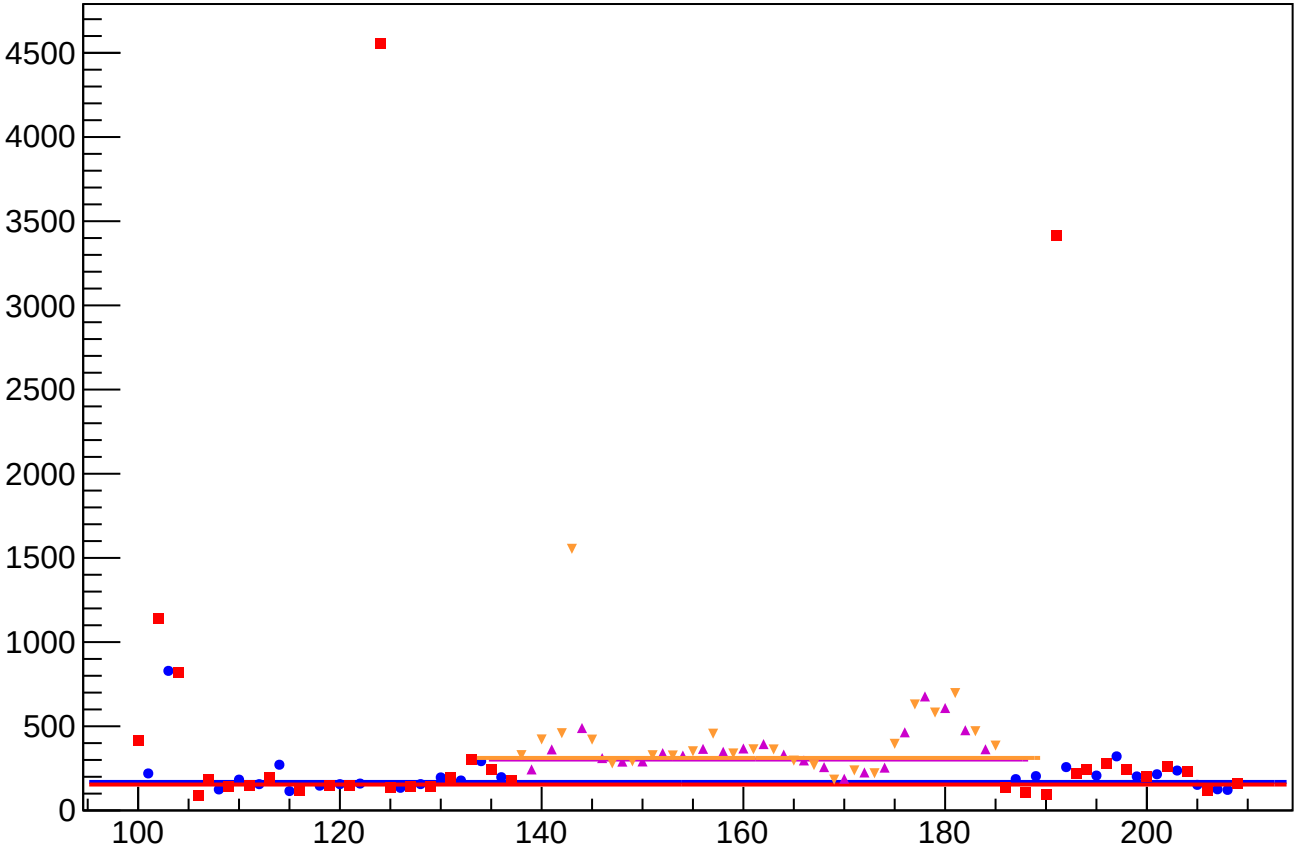
Right: 0.009+/-0.031 χ^2/NDF: 68.5/58

In: -0.017+/-0.039 χ^2/NDF:58.1/49

Out: 0.003+/-0.037 χ^2/NDF:73.8/56

All: -0.006+/-0.027 χ^2/NDF: 132.1/106

asym_atl_avg_atr_avg_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 169.334+/-0.033 χ^2/NDF: 2603010.9/26

Left Out: 311.961+/-0.054 χ^2/NDF:4350376.6/24

Right Out: 153.961+/-0.030 χ^2/NDF: 4774177.9/31

Left In: 302.377+/-0.053 χ^2/NDF:2808874.8/22

Left: 307.056+/-0.038 χ^2/NDF: 7175242.0/47

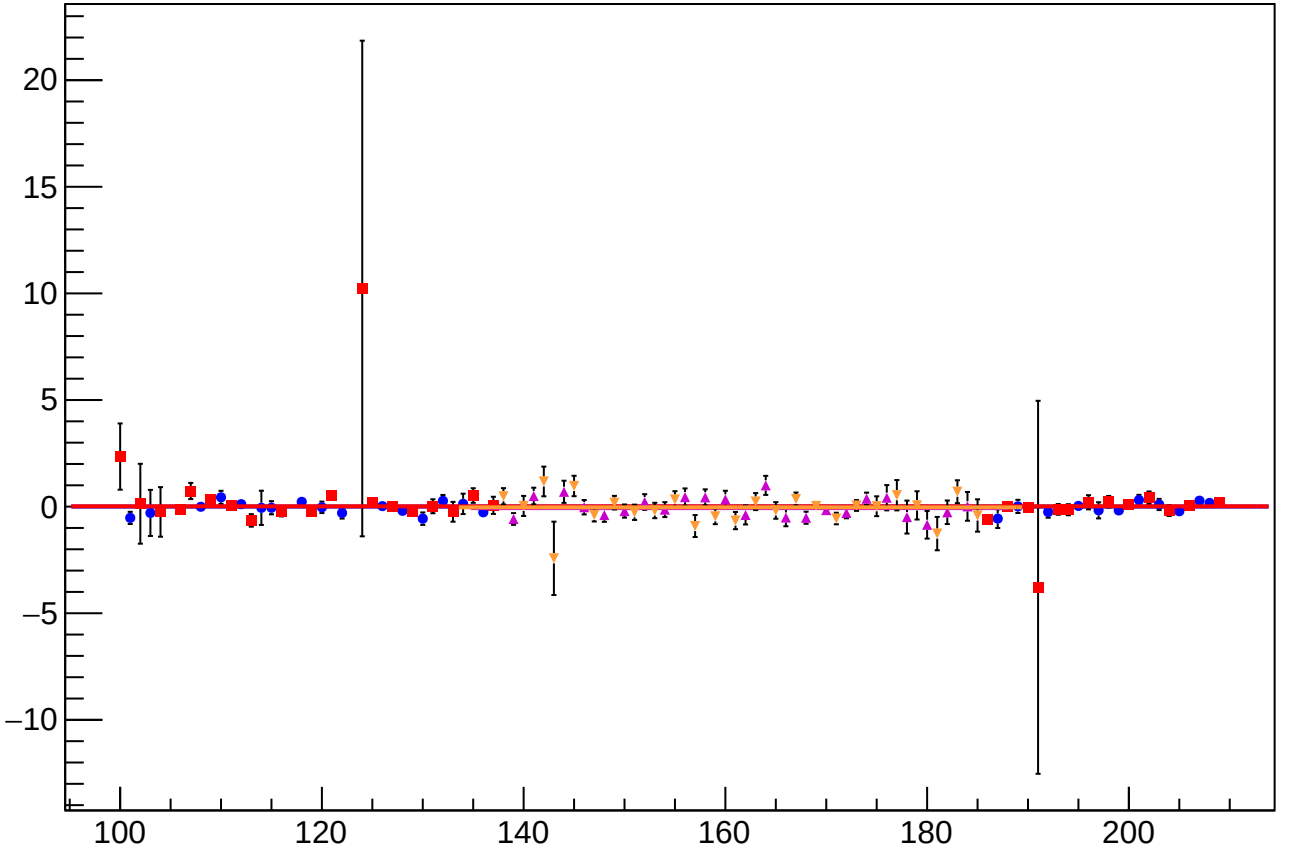
Right: 160.933+/-0.022 χ^2/NDF: 7497680.1/58

In: 206.120+/-0.028 χ^2/NDF:9977869.8/49

Out: 190.664+/-0.026 χ^2/NDF:15644397.7/56

All: 197.901+/-0.019 χ^2/NDF: 25786065.6/10

asym_atl_avg_atr_avg_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.002+/-0.046 χ^2/NDF: 27.6/26

Left Out: -0.035+/-0.077 χ^2/NDF:32.5/24

Right Out: 0.015+/-0.042 χ^2/NDF: 40.9/31

Left In: -0.069+/-0.075 χ^2/NDF:29.9/22

Left: -0.052+/-0.054 χ^2/NDF: 62.6/47

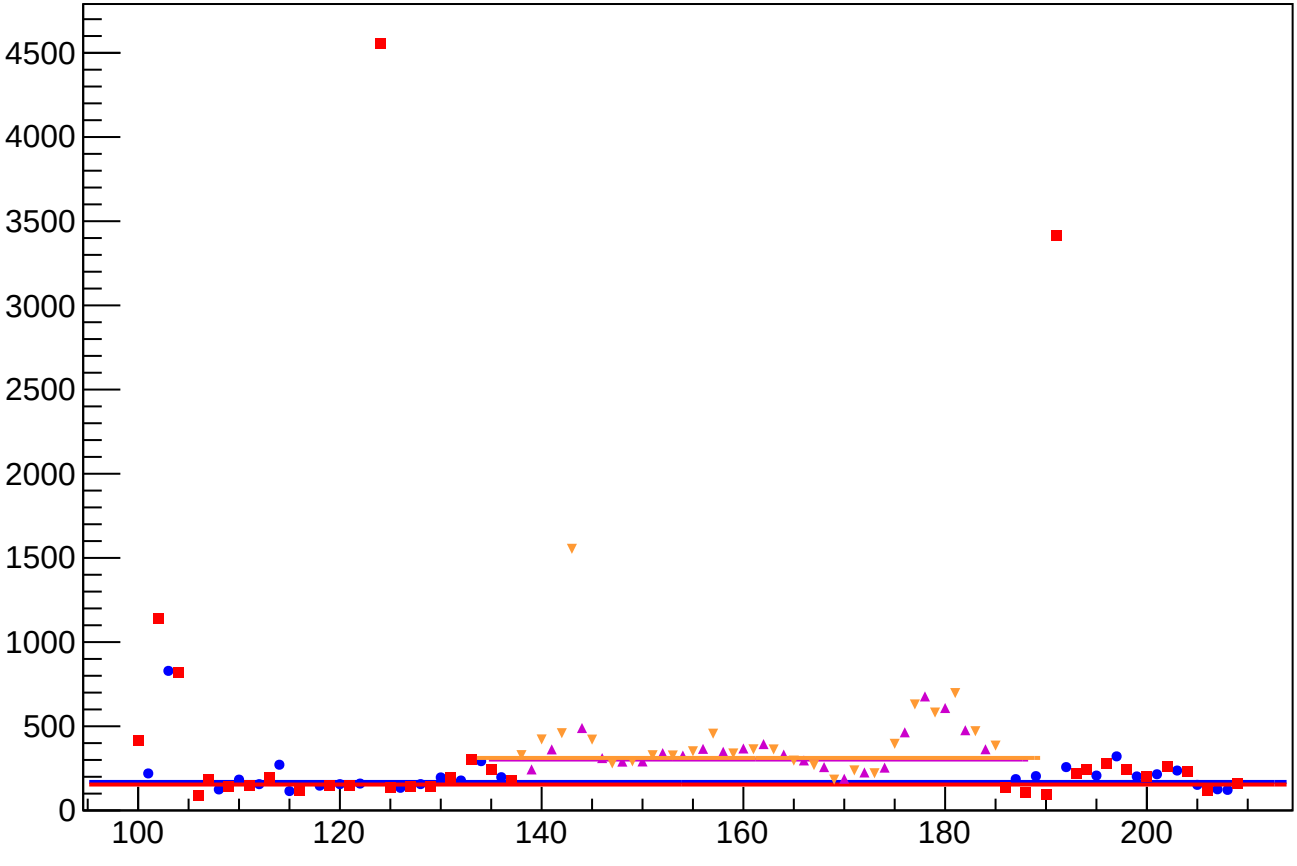
Right: 0.009+/-0.031 χ^2/NDF: 68.5/58

In: -0.017+/-0.039 χ^2/NDF:58.1/49

Out: 0.003+/-0.037 χ^2/NDF:73.8/56

All: -0.006+/-0.027 χ^2/NDF: 132.1/106

asym_atl_avg_atr_avg_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 169.334+/-0.033 χ^2/NDF: 2603010.9/26

Left Out: 311.961+/-0.054 χ^2/NDF:4350376.6/24

Right Out: 153.961+/-0.030 χ^2/NDF: 4774177.9/31

Left In: 302.377+/-0.053 χ^2/NDF:2808874.8/22

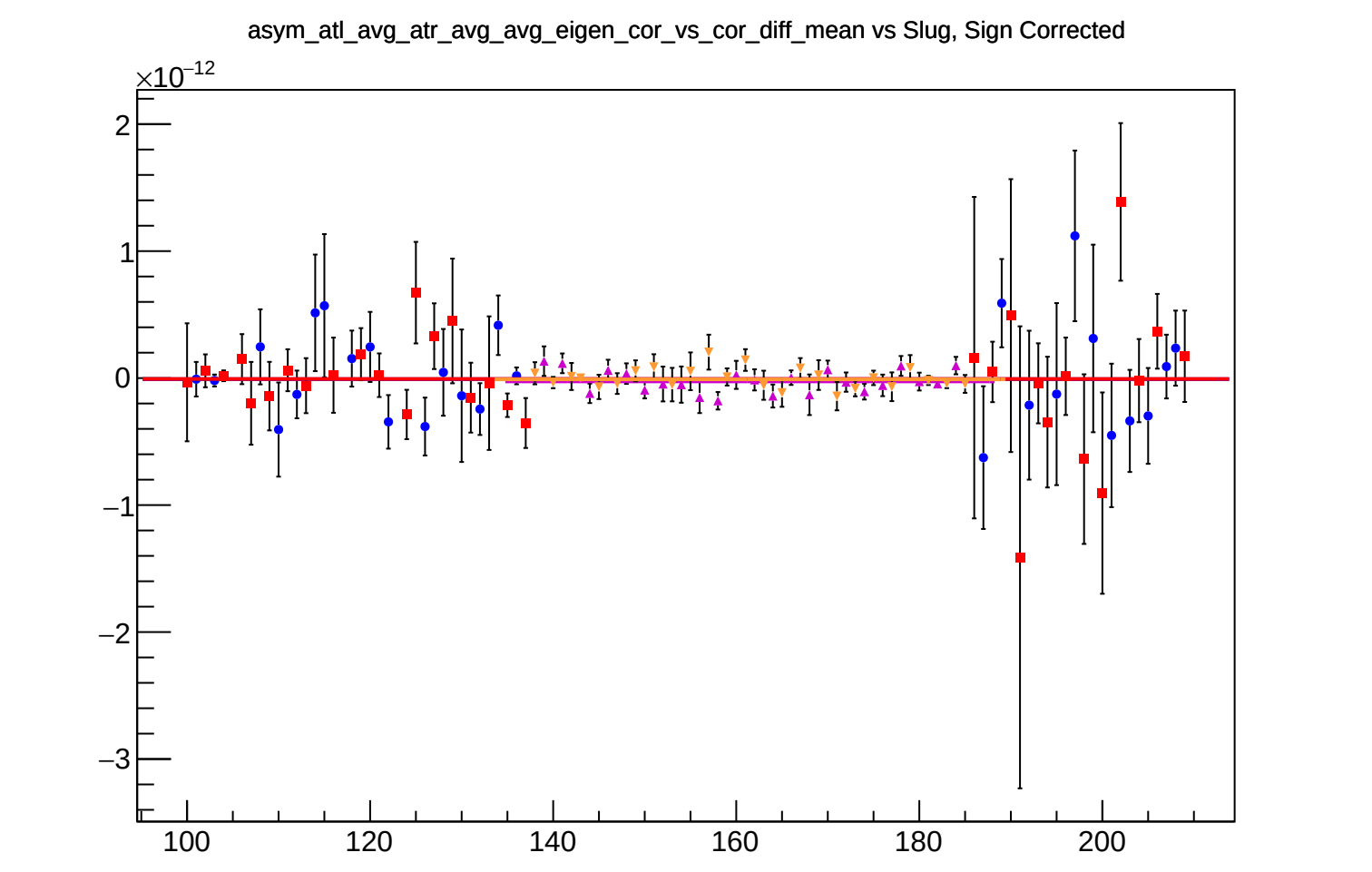
Left: 307.056+/-0.038 χ^2/NDF: 7175242.0/47

Right: 160.933+/-0.022 χ^2/NDF: 7497680.1/58

In: 206.120+/-0.028 χ^2/NDF:9977869.8/49

Out: 190.664+/-0.026 χ^2/NDF:15644397.7/56

All: 197.901+/-0.019 χ^2/NDF: 25786065.6/10



Right In: -0.000+/-0.000 χ^2/NDF: 26.2/26

Left Out: -0.000+/-0.000 χ^2/NDF:16.2/24

Right Out: -0.000+/-0.000 χ^2/NDF: 29.3/31

Left In: -0.000+/-0.000 χ^2/NDF:27.6/22

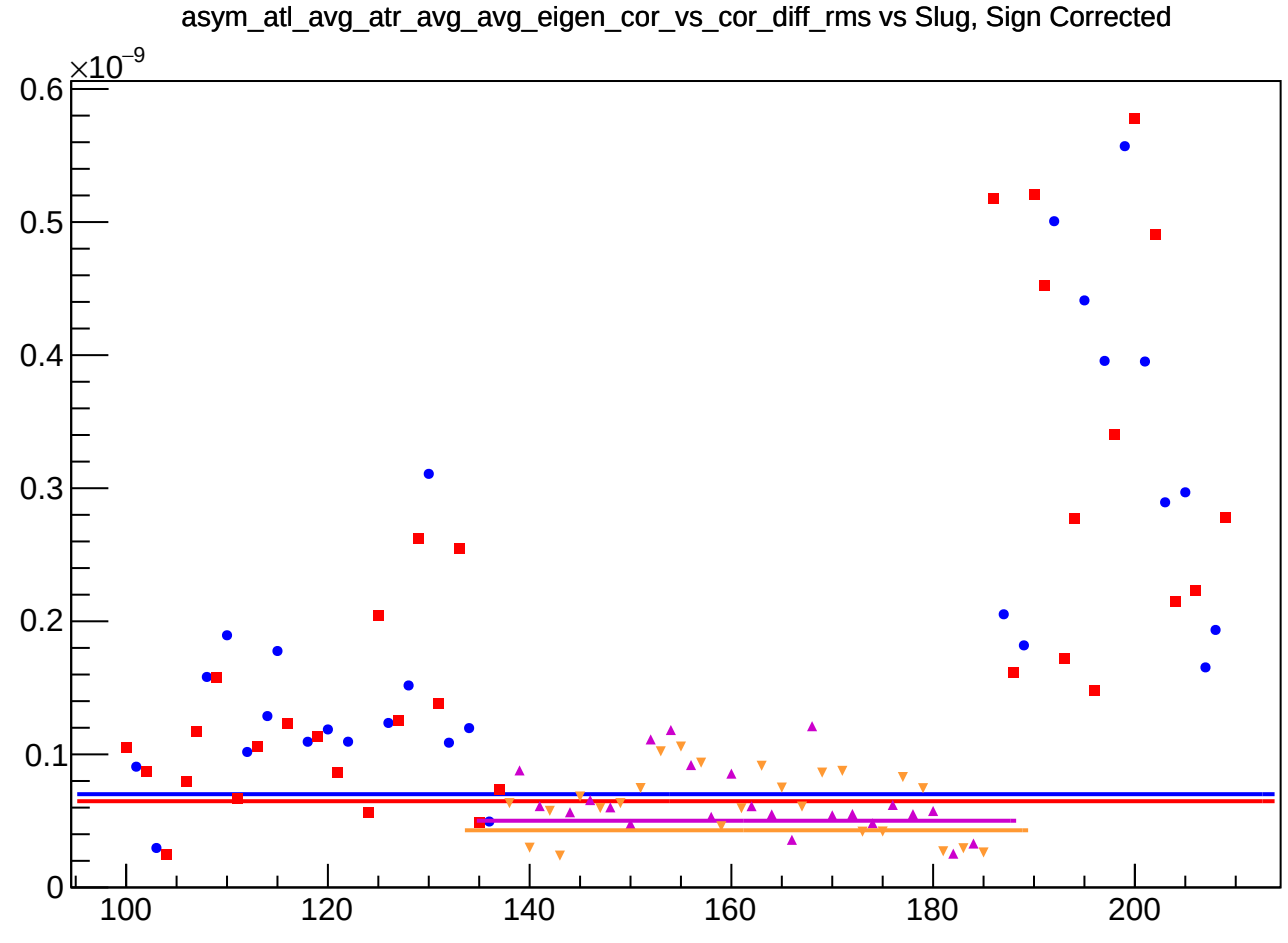
Left: -0.000+/-0.000 χ^2/NDF: 44.4/47

Right: -0.000+/-0.000 χ^2/NDF: 55.5/58

In: -0.000+/-0.000 χ^2/NDF:54.1/49

Out: -0.000+/-0.000 χ^2/NDF:45.5/56

All: -0.000+/-0.000 χ^2/NDF: 100.1/106



Right In: 0.000+/-0.000 χ^2/NDF: 9179901.4/26

Left Out: 0.000+/-0.000 χ^2/NDF:5074676.1/24

Right Out: 0.000+/-0.000 χ^2/NDF: 9187776.2/31

Left In: 0.000+/-0.000 χ^2/NDF:3611362.7/22

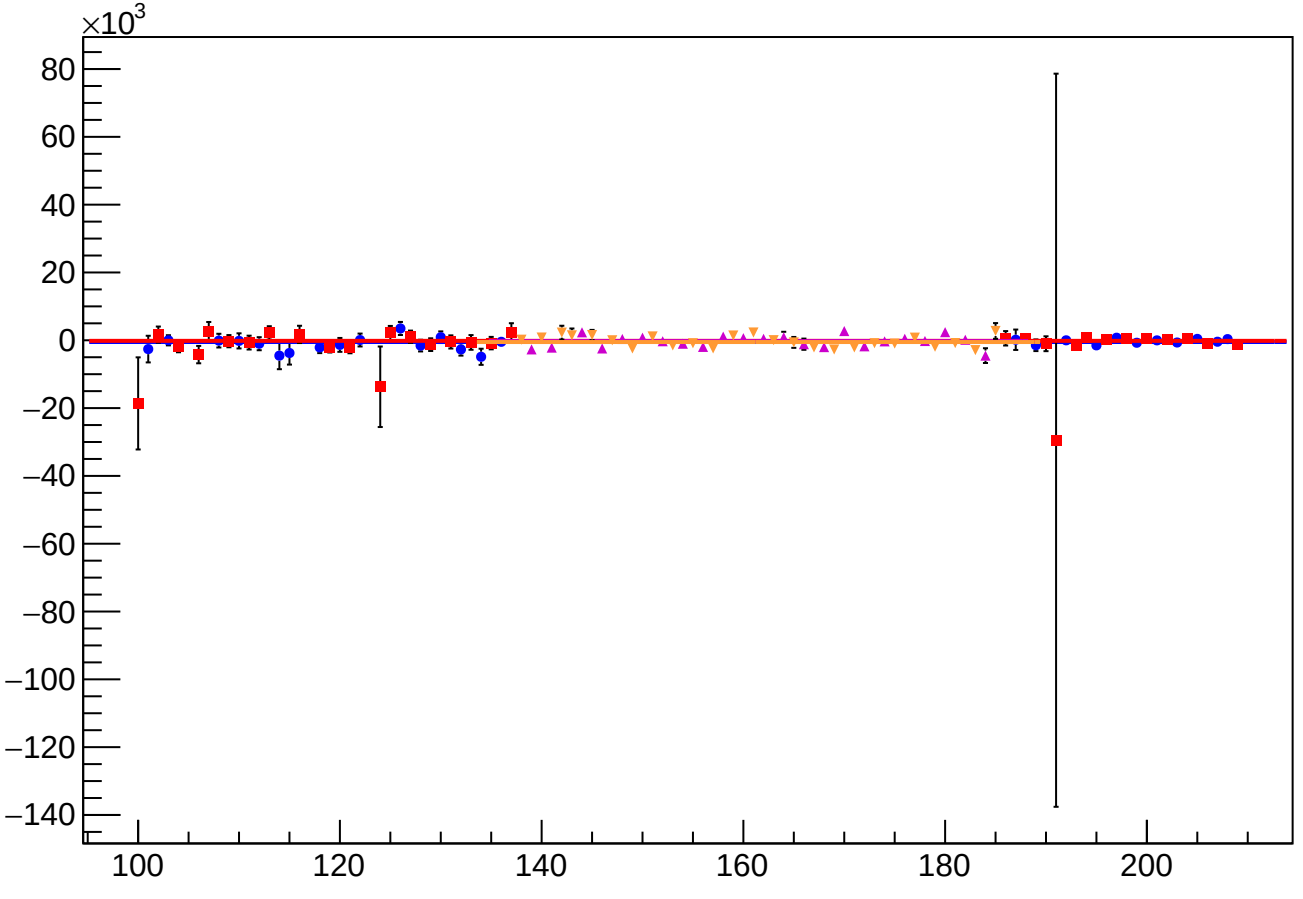
Left: 0.000+/-0.000 χ^2/NDF: 8935509.5/47

Right: 0.000+/-0.000 χ^2/NDF: 18396516.1/58

In: 0.000+/-0.000 χ^2/NDF:13430992.8/49

Out: 0.000+/-0.000 χ^2/NDF:15129728.9/56

All: 0.000+/-0.000 χ^2/NDF: 28874765.3/106



Right In: -507.477+/-322.368 χ^2/NDF: 16.6/26

Left Out: -514.484+/-285.945 χ^2/NDF:30.9/24

Right Out: -167.346+/-314.554 χ^2/NDF: 20.3/31

Left In: -242.686+/-291.166 χ^2/NDF:32.0/22

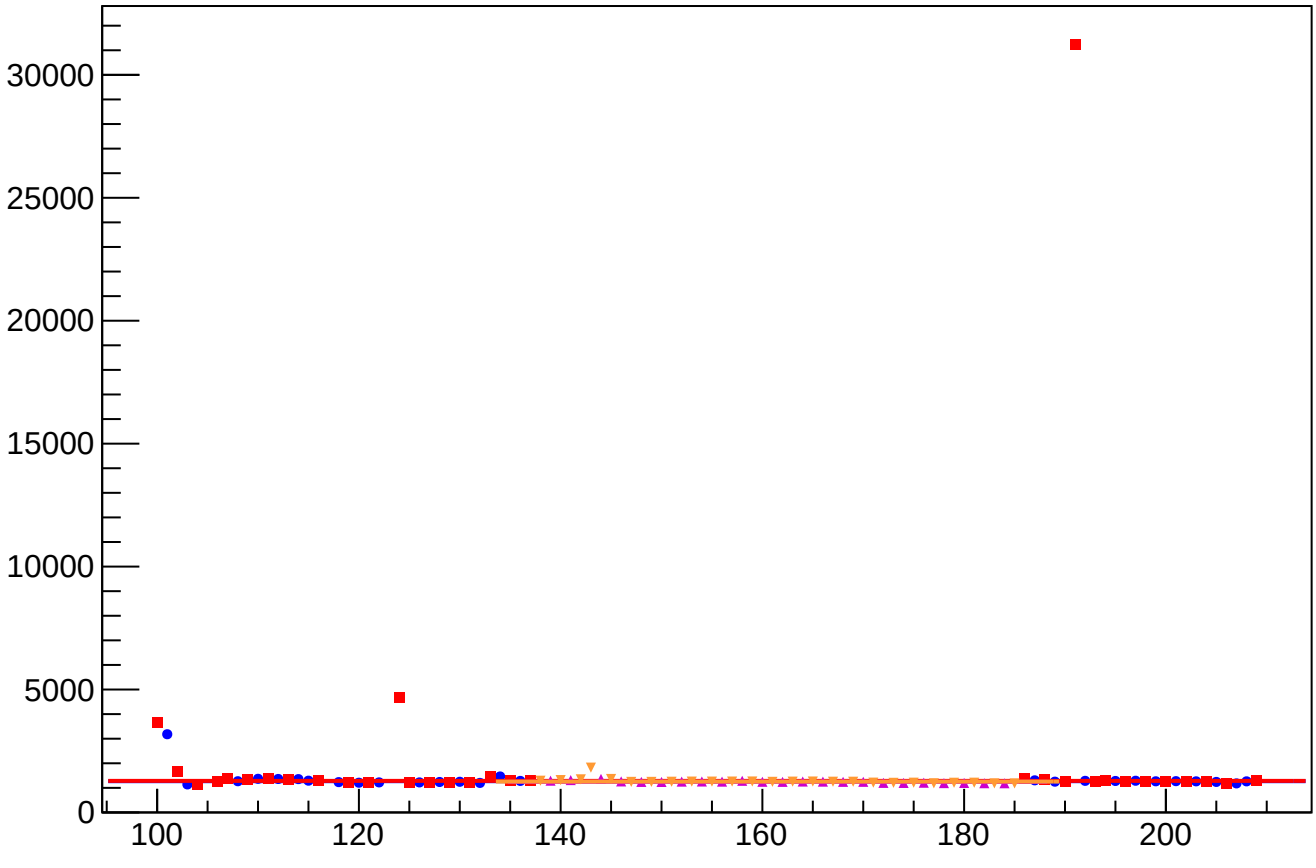
Left: -381.044+/-204.014 χ^2/NDF: 63.4/47

Right: -333.239+/-225.135 χ^2/NDF: 37.5/58

In: -361.649+/-216.077 χ^2/NDF:49.0/49

Out: -357.417+/-211.587 χ^2/NDF:51.9/56

All: -359.489+/-151.177 χ^2/NDF: 101.0/106



Right In: 1271.489+/-0.228 χ^2/NDF: 532300.0/26

Left Out: 1255.514+/-0.202 χ^2/NDF:203124.1/24

Right Out: 1284.110+/-0.222 χ^2/NDF: 507570.6/31

Left In: 1246.355+/-0.206 χ^2/NDF:39857.0/22

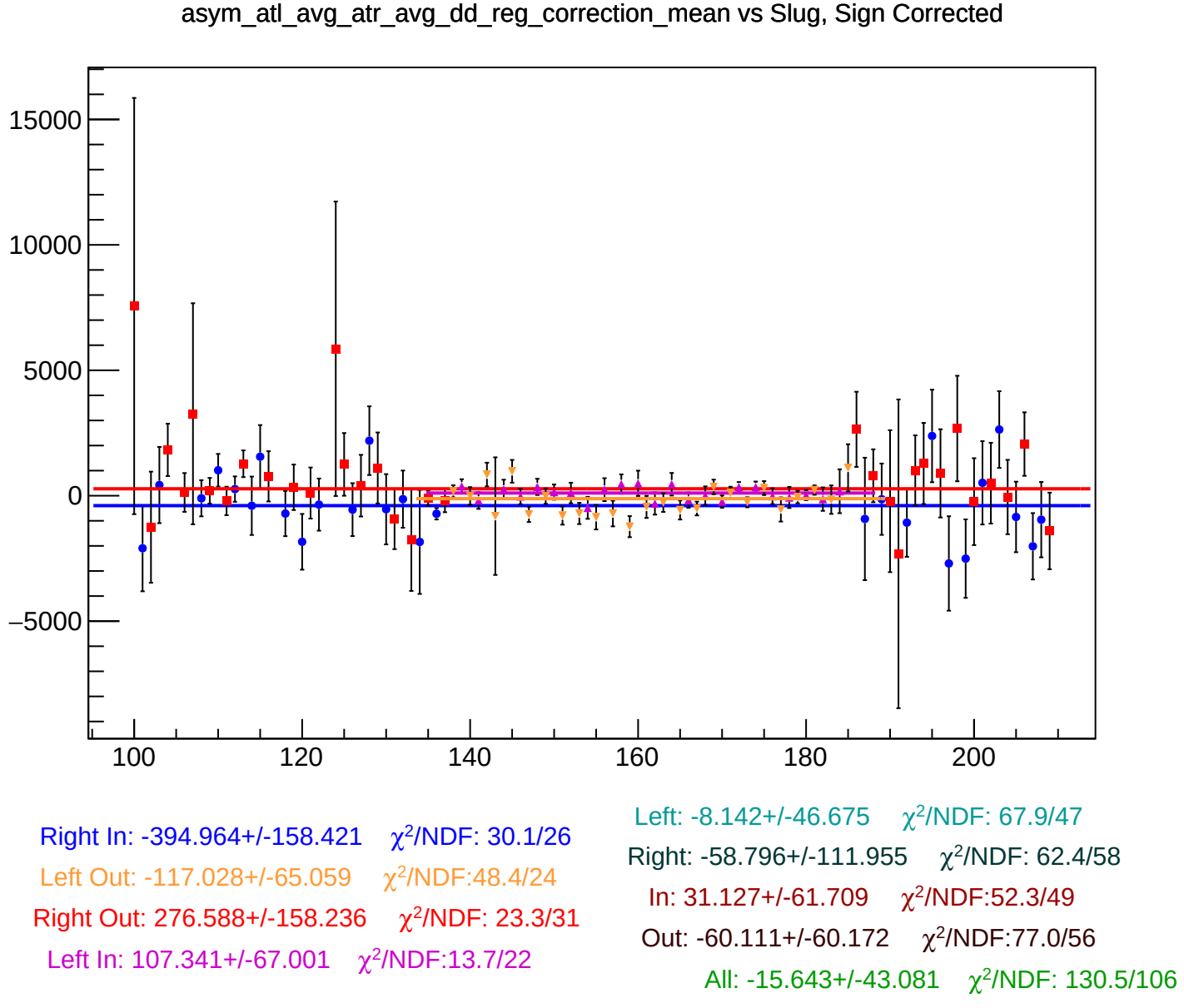
Left: 1251.017+/-0.144 χ^2/NDF: 243988.6/47

Right: 1277.954+/-0.159 χ^2/NDF: 1041441.1/58

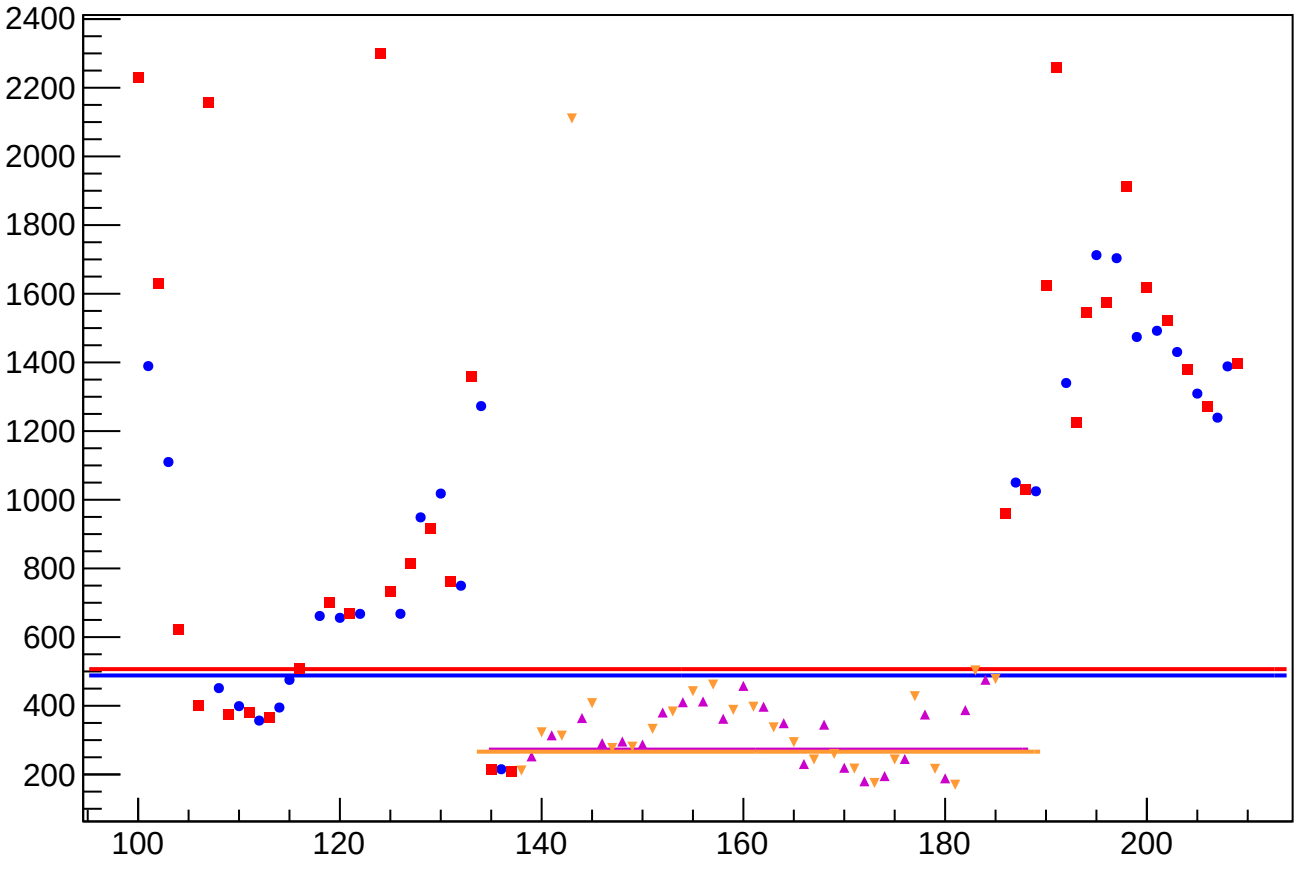
In: 1257.647+/-0.153 χ^2/NDF:578852.6/49

Out: 1268.453+/-0.150 χ^2/NDF:719745.1/56

All: 1263.163+/-0.107 χ^2/NDF: 1301151.3/10


asym_atl_avg_atr_avg_dd_reg_correction_mean vs Slug, Sign Corrected
15000
10000
5000
0
−5000
100
120
140
160
180
200
Right In: -394.964+/-158.421 χ²/NDF: 30.1/26
Left Out: -117.028+/-65.059 χ²/NDF:48.4/24
Right Out: 276.588+/-158.236 χ²/NDF: 23.3/31
Left In: 107.341+/-67.001 χ²/NDF:13.7/22
Left: -8.142+/-46.675 χ²/NDF: 67.9/47
Right: -58.796+/-111.955 χ²/NDF: 62.4/58
In: 31.127+/-61.709 χ²/NDF:52.3/49
Out: -60.111+/-60.172 χ²/NDF:77.0/56
All: -15.643+/-43.081 χ²/NDF: 130.5/106

asym_atl_avg_atr_avg_dd_reg_correction_rms vs Slug, Sign Corrected



Right In: 488.290+/-0.112 χ^2/NDF: 12288650.2/26

Left Out: 266.321+/-0.046 χ^2/NDF:4630130.4/24

Right Out: 506.759+/-0.112 χ^2/NDF: 12967243.6/31

Left In: 272.368+/-0.047 χ^2/NDF:2887823.5/22

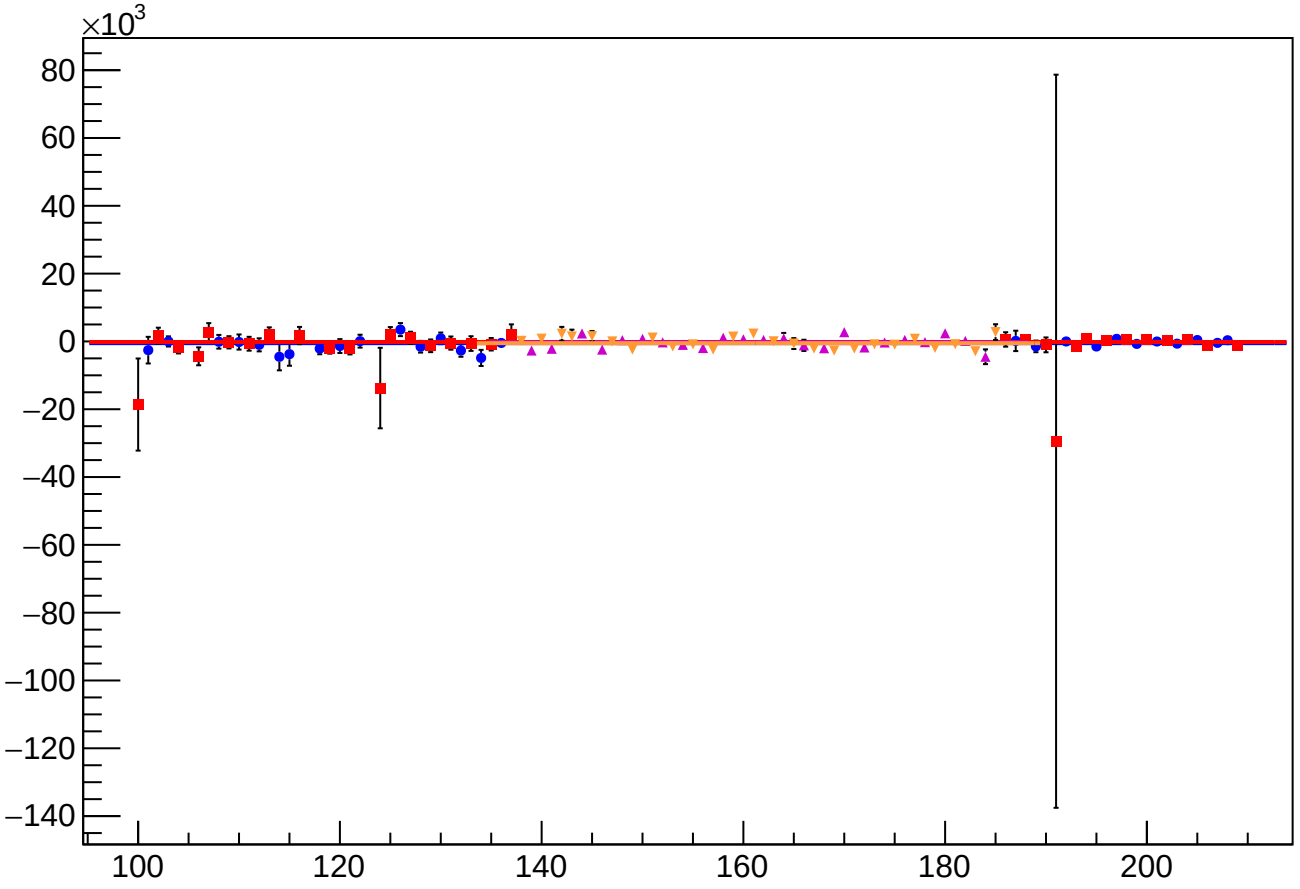
Left: 269.255+/-0.033 χ^2/NDF: 7526339.3/47

Right: 497.535+/-0.079 χ^2/NDF: 25269499.9/58

In: 305.130+/-0.044 χ^2/NDF:18328105.7/49

Out: 301.088+/-0.043 χ^2/NDF:21547341.1/56

All: 303.058+/-0.030 χ^2/NDF: 39879844.1/10



Right In: -507.337+/-322.368 χ^2/NDF: 16.6/26

Left Out: -514.430+/-285.945 χ^2/NDF:30.9/24

Right Out: -166.084+/-314.696 χ^2/NDF: 20.4/31

Left In: -242.663+/-291.166 χ^2/NDF:32.0/22

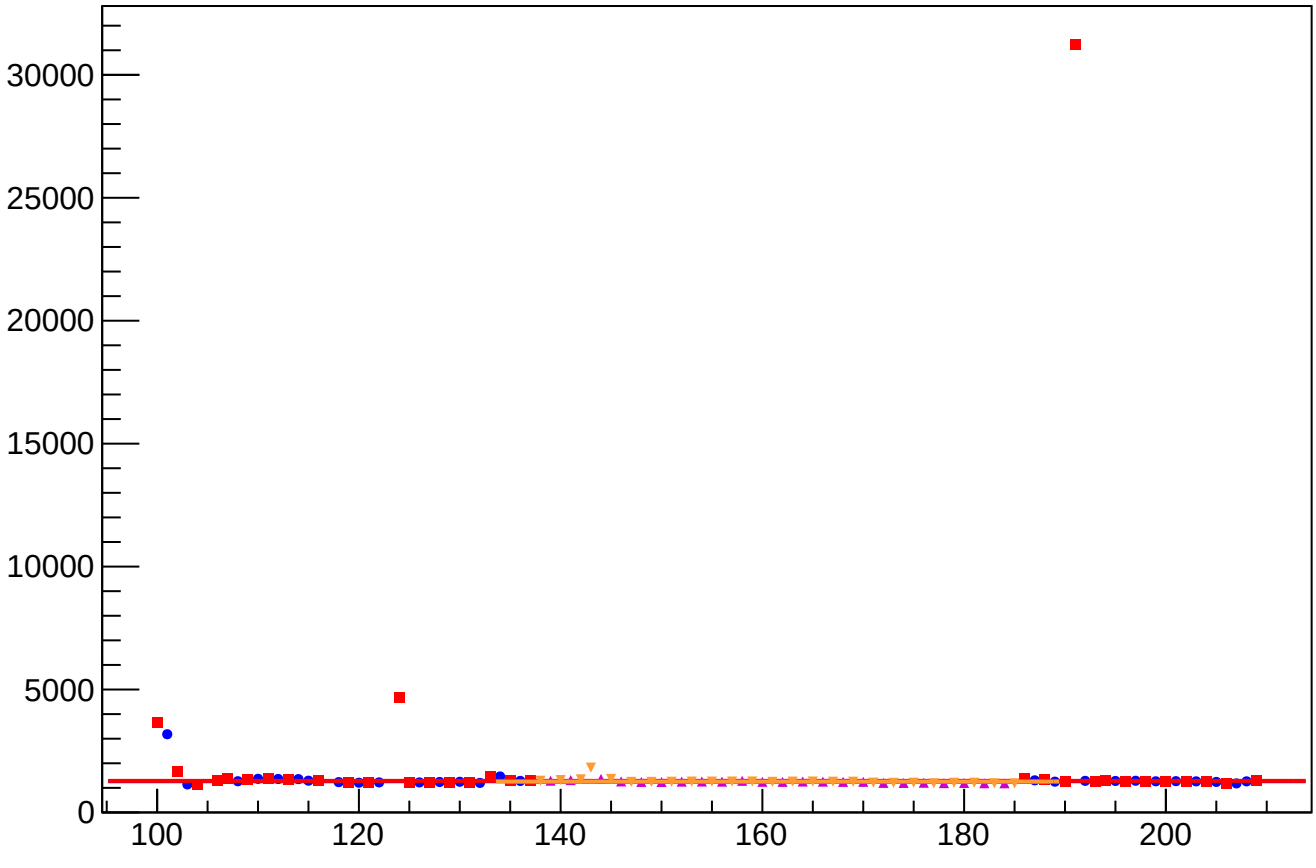
Left: -381.005+/-204.014 χ^2/NDF: 63.4/47

Right: -332.601+/-225.187 χ^2/NDF: 37.6/58

In: -361.574+/-216.077 χ^2/NDF:49.0/49

Out: -356.893+/-211.630 χ^2/NDF:52.0/56

All: -359.185+/-151.193 χ^2/NDF: 101.0/106



Right In: 1271.489+/-0.228 χ^2/NDF: 532301.3/26

Left Out: 1255.514+/-0.202 χ^2/NDF:203124.0/24

Right Out: 1284.707+/-0.223 χ^2/NDF: 507540.8/31

Left In: 1246.355+/-0.206 χ^2/NDF:39857.0/22

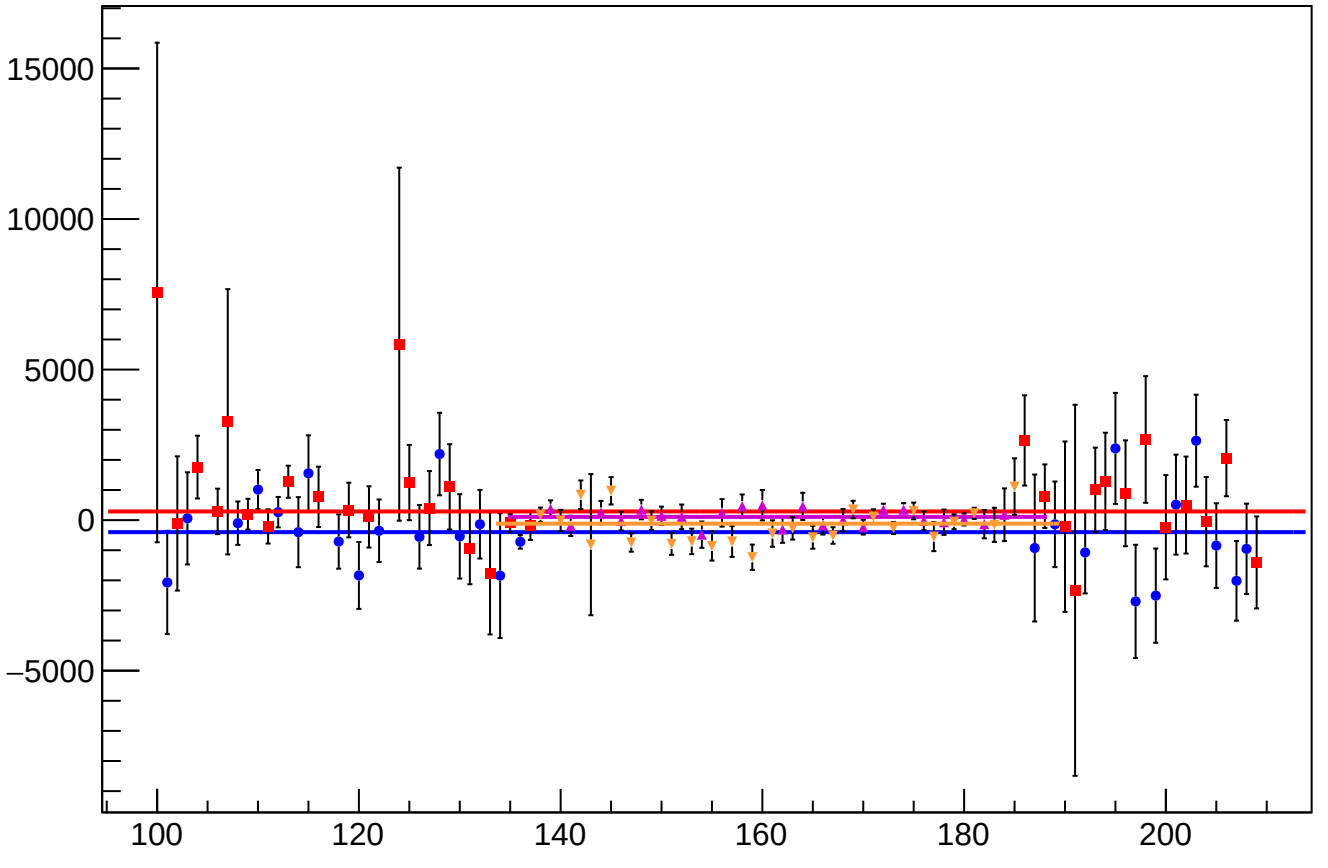
Left: 1251.017+/-0.144 χ^2/NDF: 243988.6/47

Right: 1278.257+/-0.159 χ^2/NDF: 1041564.0/58

In: 1257.647+/-0.153 χ^2/NDF:578853.9/49

Out: 1268.716+/-0.150 χ^2/NDF:720092.4/56

All: 1263.297+/-0.107 χ^2/NDF: 1301625.5/10



Right In: -398.922+/-158.437 χ^2/NDF: 29.9/26

Left Out: -117.002+/-65.060 χ^2/NDF:48.4/24

Right Out: 287.908+/-158.075 χ^2/NDF: 22.6/31

Left In: 107.459+/-67.003 χ^2/NDF:13.7/22

Left: -8.072+/-46.676 χ^2/NDF: 68.0/47

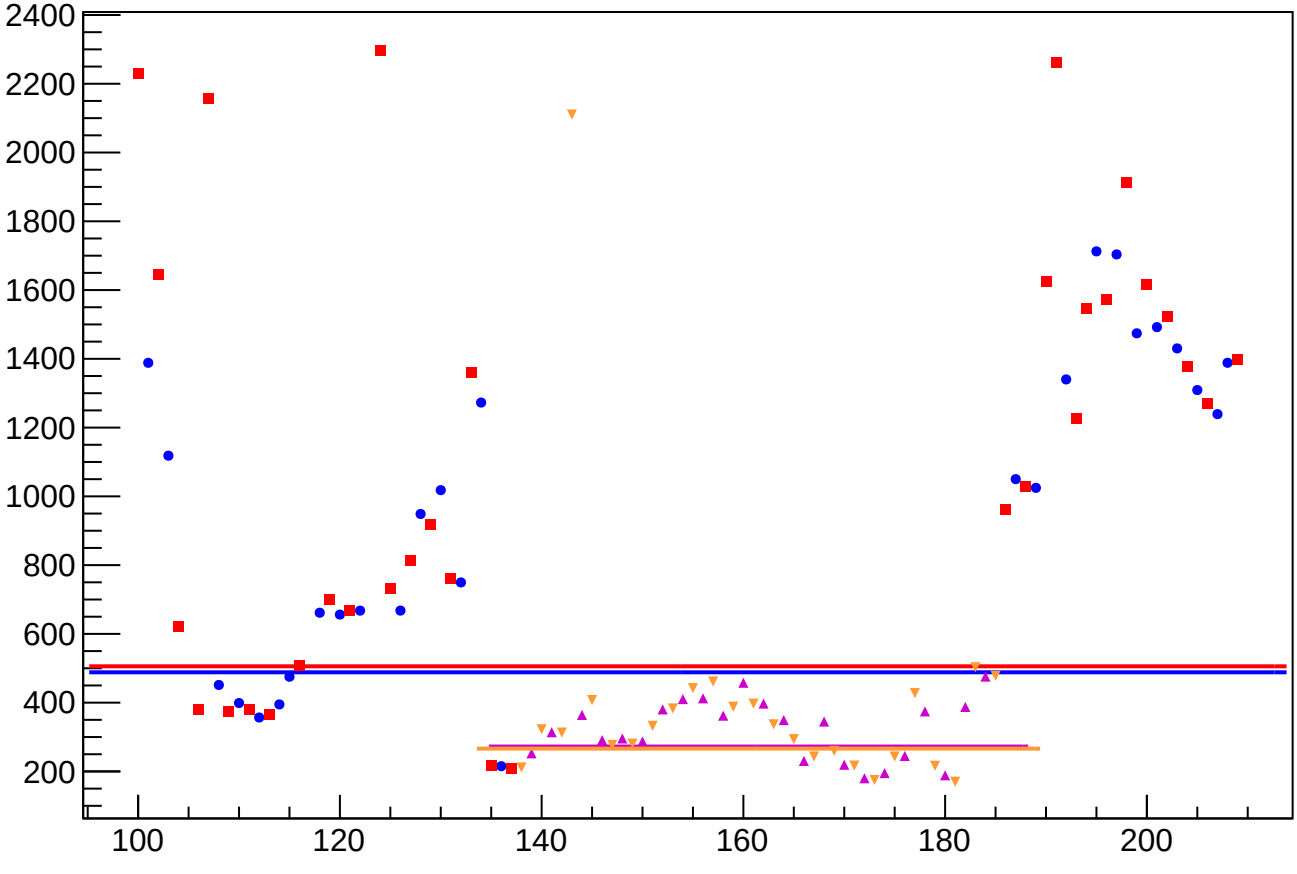
Right: -54.722+/-111.904 χ^2/NDF: 61.9/58

In: 30.636+/-61.711 χ^2/NDF:52.2/49

Out: -58.348+/-60.164 χ^2/NDF:76.7/56

All: -14.985+/-43.079 χ^2/NDF: 130.0/106

asym_atl_avg_atr_avg_dd_cor_correction_rms vs Slug, Sign Corrected



Right In: 488.306+/-0.112 χ^2/NDF: 12291734.8/26

Left Out: 266.326+/-0.046 χ^2/NDF:4630167.4/24

Right Out: 505.689+/-0.112 χ^2/NDF: 12991499.4/31

Left In: 272.378+/-0.047 χ^2/NDF:2887597.1/22

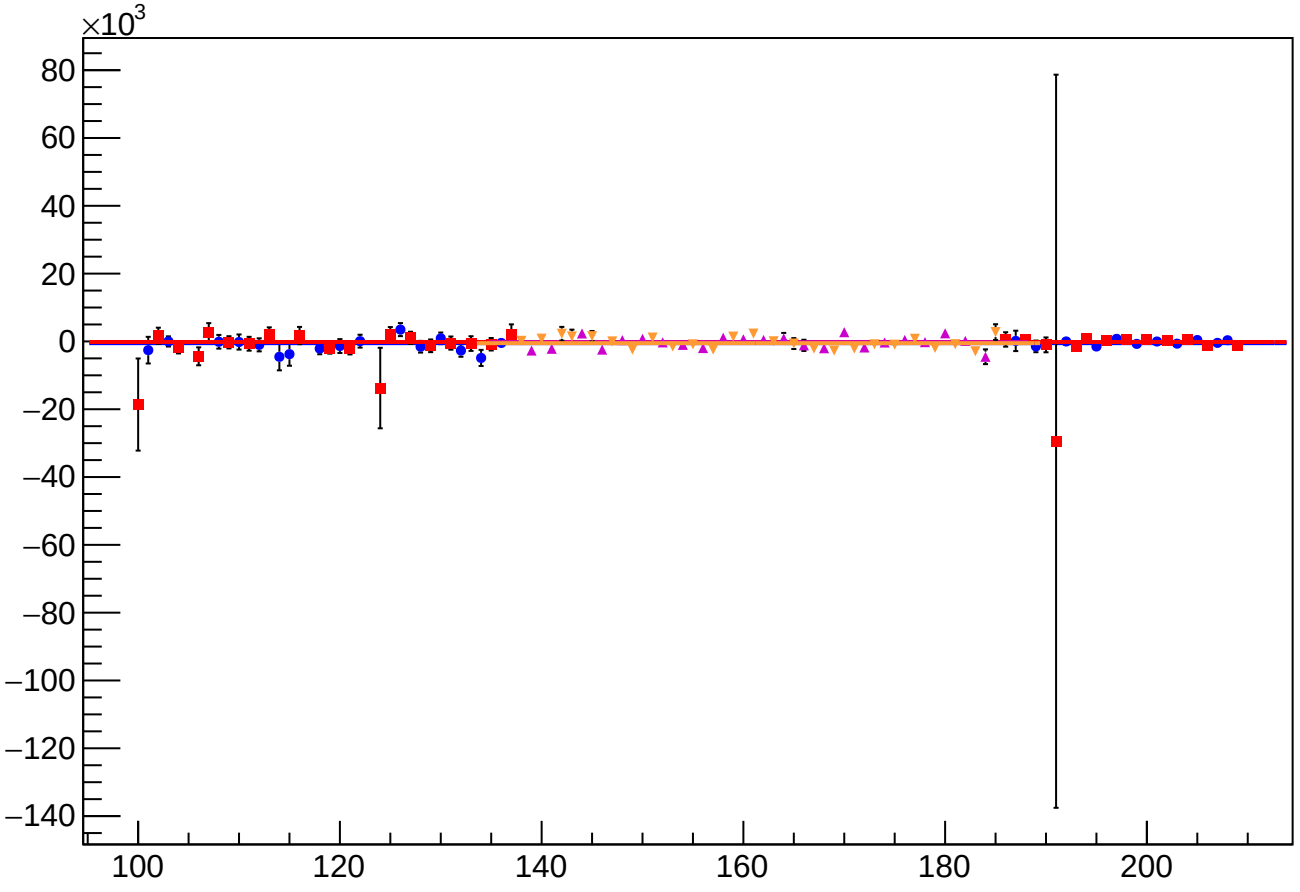
Left: 269.263+/-0.033 χ^2/NDF: 7526161.0/47

Right: 497.017+/-0.079 χ^2/NDF: 25295300.2/58

In: 305.136+/-0.044 χ^2/NDF:18330545.0/49

Out: 301.000+/-0.043 χ^2/NDF:21543188.8/56

All: 303.016+/-0.030 χ^2/NDF: 39878339.9/10



Right In: -507.337+/-322.368 χ^2/NDF: 16.6/26

Left Out: -514.430+/-285.945 χ^2/NDF:30.9/24

Right Out: -166.084+/-314.696 χ^2/NDF: 20.4/31

Left In: -242.663+/-291.166 χ^2/NDF:32.0/22

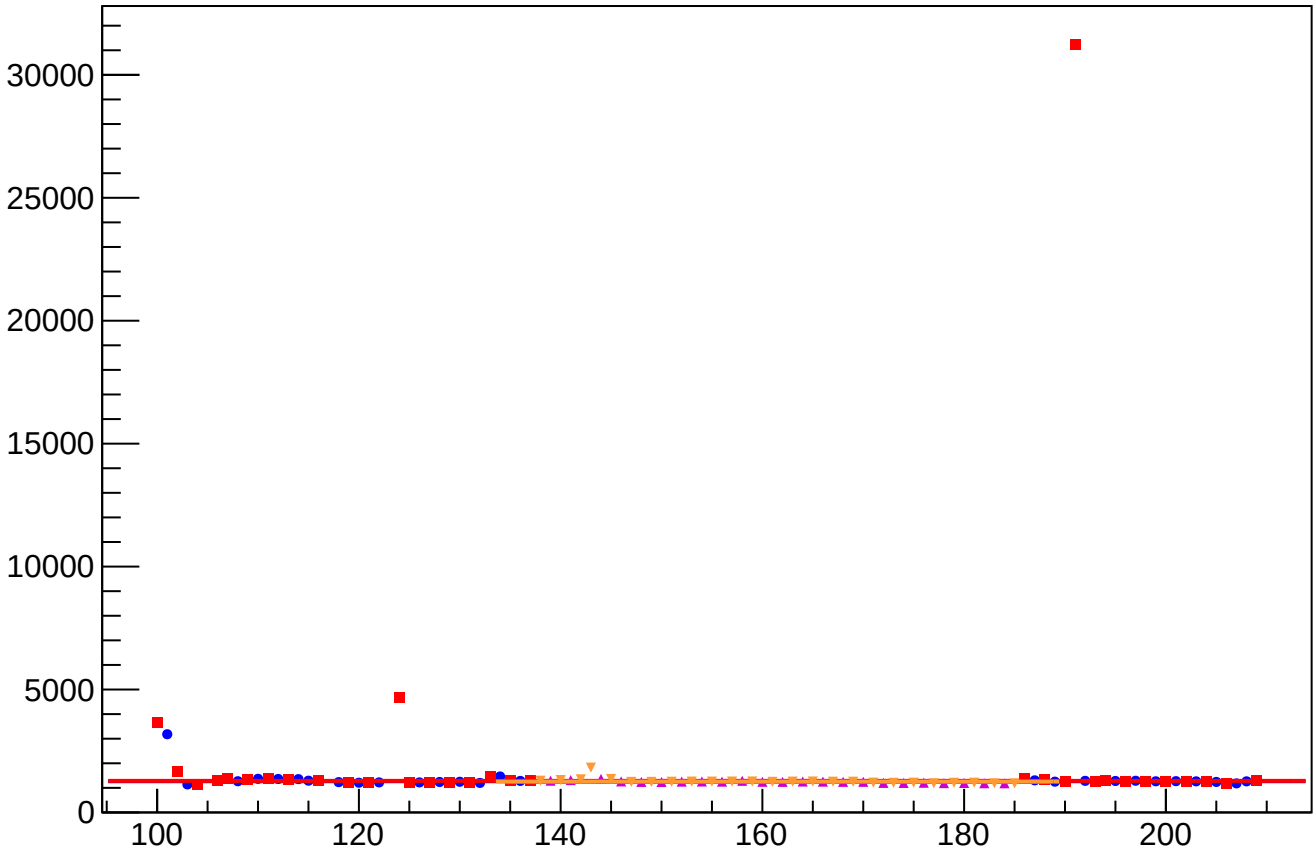
Left: -381.005+/-204.014 χ^2/NDF: 63.4/47

Right: -332.601+/-225.187 χ^2/NDF: 37.6/58

In: -361.574+/-216.077 χ^2/NDF:49.0/49

Out: -356.893+/-211.630 χ^2/NDF:52.0/56

All: -359.185+/-151.193 χ^2/NDF: 101.0/106



Right In: 1271.489+/-0.228 χ^2/NDF: 532301.3/26

Left Out: 1255.514+/-0.202 χ^2/NDF:203124.0/24

Right Out: 1284.707+/-0.223 χ^2/NDF: 507540.8/31

Left In: 1246.355+/-0.206 χ^2/NDF:39857.0/22

Left: 1251.017+/-0.144 χ^2/NDF: 243988.6/47

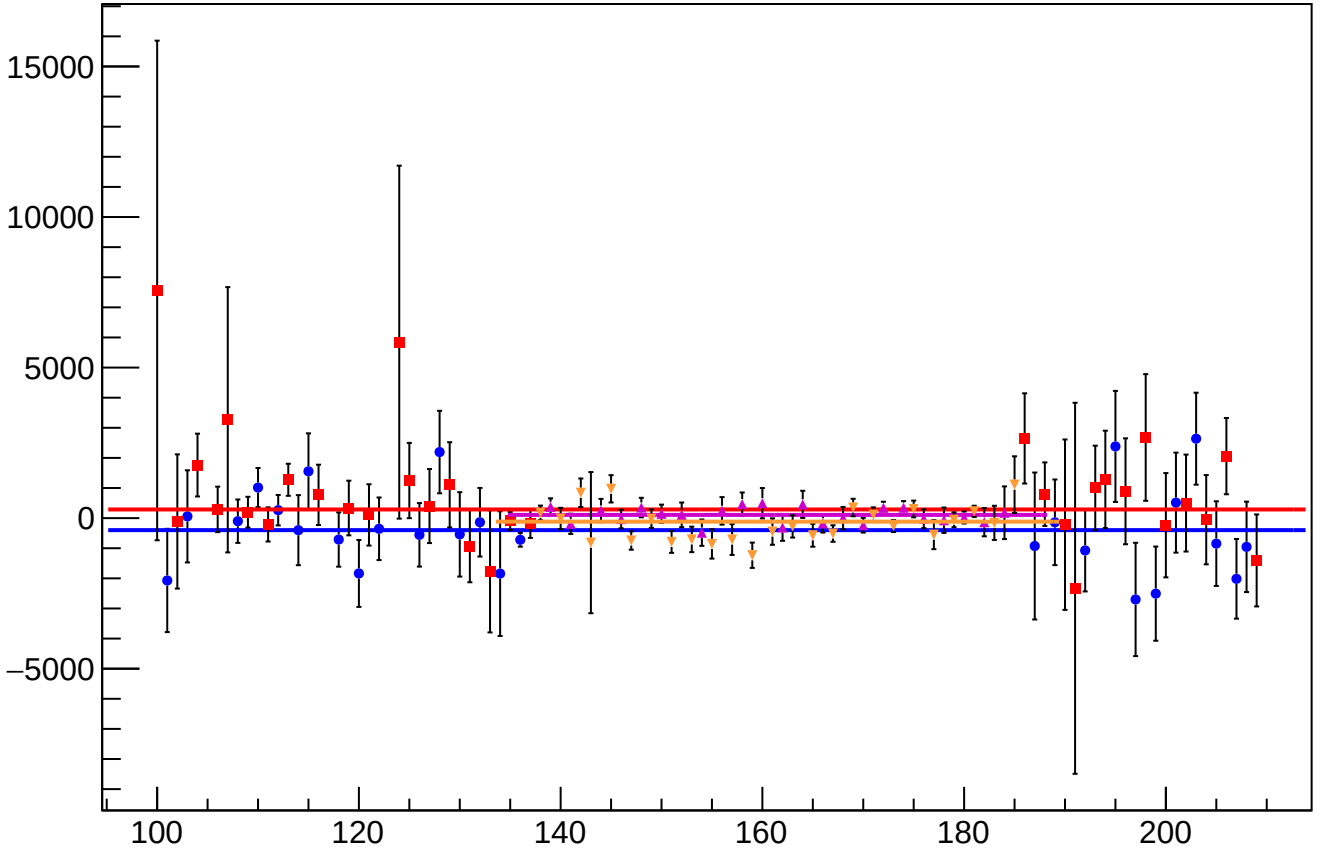
Right: 1278.257+/-0.159 χ^2/NDF: 1041564.0/58

In: 1257.647+/-0.153 χ^2/NDF:578853.9/49

Out: 1268.716+/-0.150 χ^2/NDF:720092.4/56

All: 1263.297+/-0.107 χ^2/NDF: 1301625.5/10

asym_atl_avg_atr_avg_dd_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -398.922+/-158.437 χ^2/NDF: 29.9/26

Left Out: -117.002+/-65.060 χ^2/NDF:48.4/24

Right Out: 287.908+/-158.075 χ^2/NDF: 22.6/31

Left In: 107.459+/-67.003 χ^2/NDF:13.7/22

Left: -8.072+/-46.676 χ^2/NDF: 68.0/47

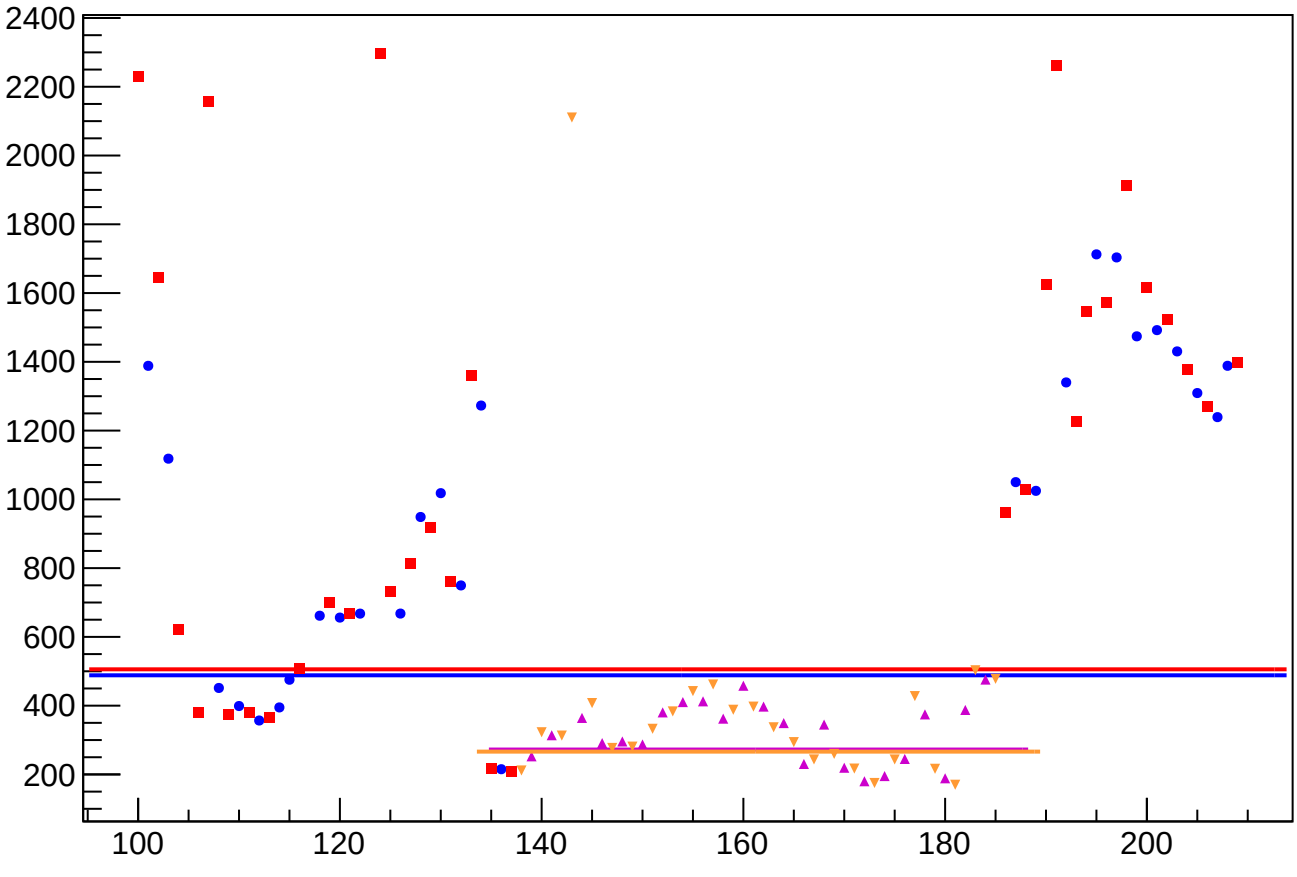
Right: -54.722+/-111.904 χ^2/NDF: 61.9/58

In: 30.636+/-61.711 χ^2/NDF:52.2/49

Out: -58.348+/-60.164 χ^2/NDF:76.7/56

All: -14.985+/-43.079 χ^2/NDF: 130.0/106

asym_atl_avg_atr_avg_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 488.306+/-0.112 χ^2/NDF: 12291734.8/26

Left Out: 266.326+/-0.046 χ^2/NDF:4630167.4/24

Right Out: 505.689+/-0.112 χ^2/NDF: 12991499.4/31

Left In: 272.378+/-0.047 χ^2/NDF:2887597.1/22

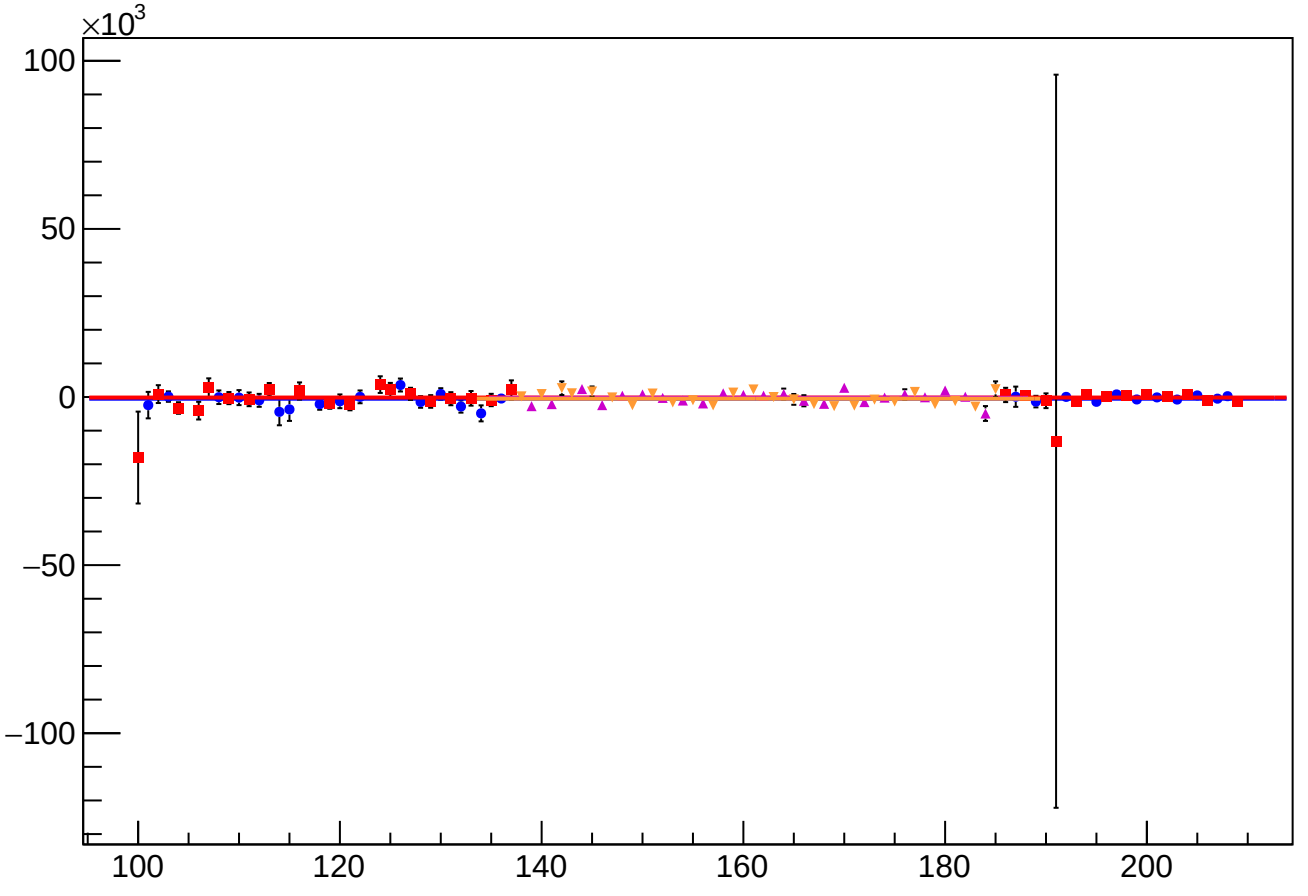
Left: 269.263+/-0.033 χ^2/NDF: 7526161.0/47

Right: 497.017+/-0.079 χ^2/NDF: 25295300.2/58

In: 305.136+/-0.044 χ^2/NDF:18330545.0/49

Out: 301.000+/-0.043 χ^2/NDF:21543188.8/56

All: 303.016+/-0.030 χ^2/NDF: 39878339.9/10



Right In: -501.118+/-323.350 χ^2/NDF: 16.6/26

Left Out: -493.436+/-282.734 χ^2/NDF:34.2/24

Right Out: -156.311+/-314.043 χ^2/NDF: 22.2/31

Left In: -242.004+/-294.339 χ^2/NDF:30.7/22

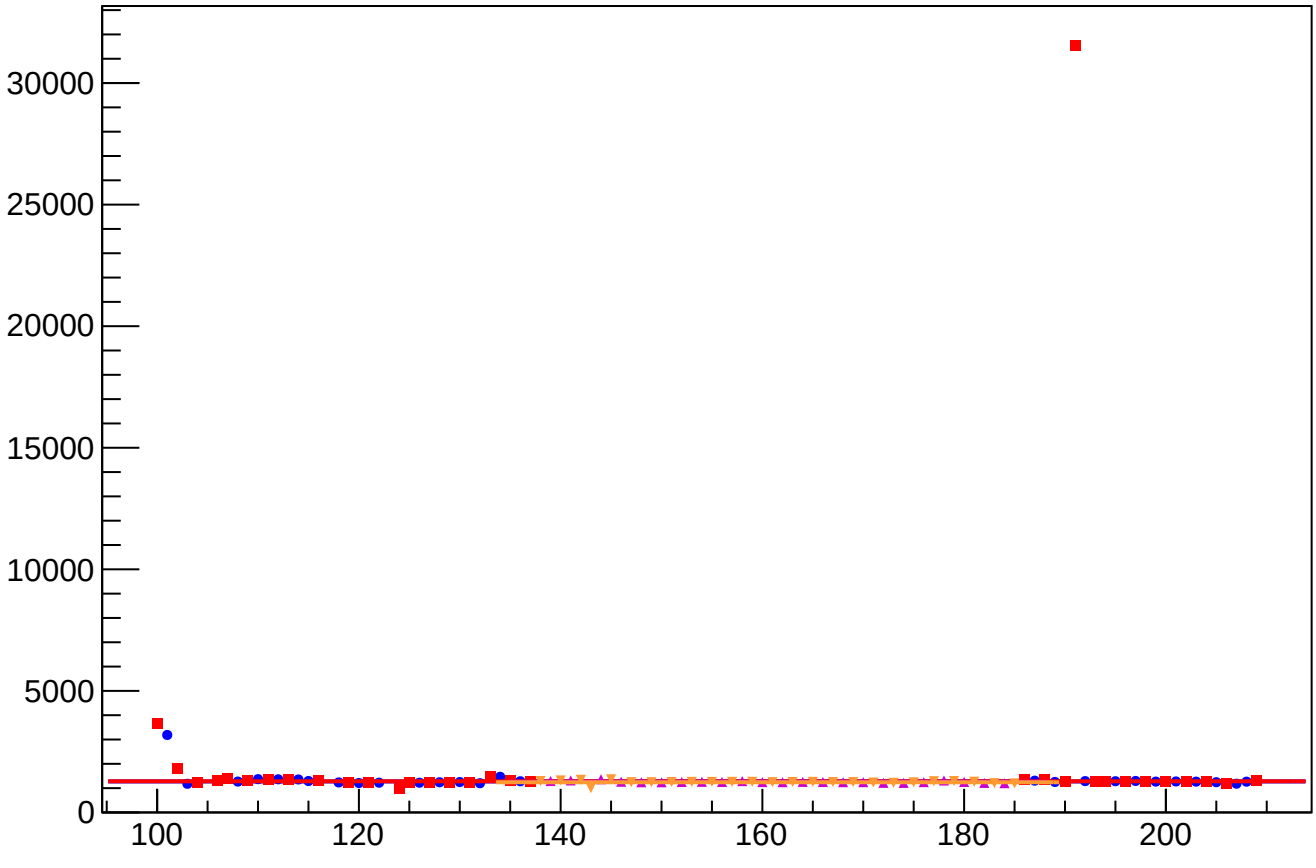
Left: -372.774+/-203.903 χ^2/NDF: 65.3/47

Right: -323.681+/-225.280 χ^2/NDF: 39.4/58

In: -359.418+/-217.664 χ^2/NDF:47.6/49

Out: -342.512+/-210.123 χ^2/NDF:57.0/56

All: -350.667+/-151.175 χ^2/NDF: 104.7/106



Right In: 1275.447+/-0.229 χ^2/NDF: 525053.6/26

Left Out: 1242.539+/-0.200 χ^2/NDF:130023.1/24

Right Out: 1282.113+/-0.222 χ^2/NDF: 387998.7/31

Left In: 1260.094+/-0.208 χ^2/NDF:27932.1/22

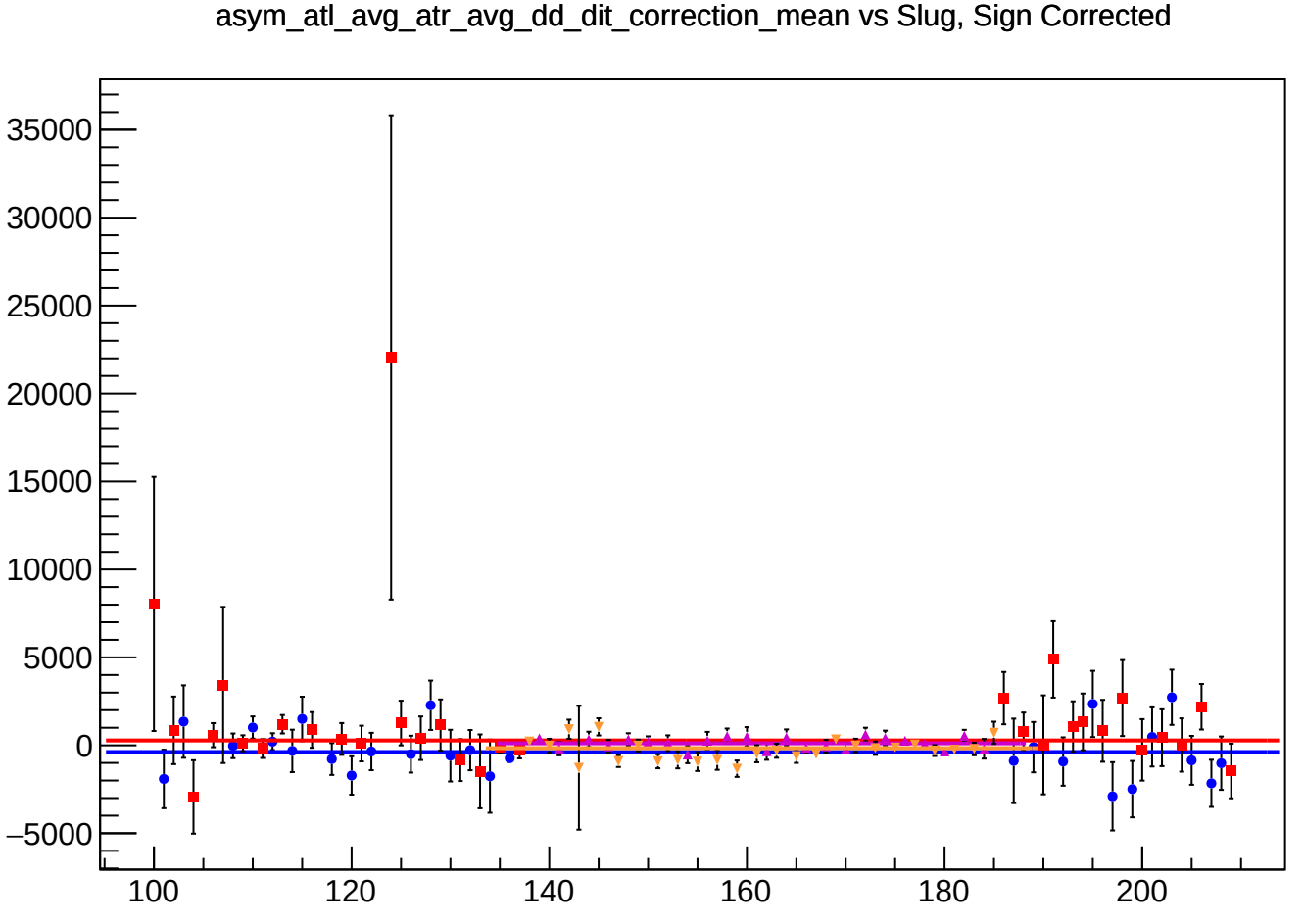
Left: 1250.964+/-0.144 χ^2/NDF: 161655.2/47

Right: 1278.877+/-0.159 χ^2/NDF: 913489.7/58

In: 1267.051+/-0.154 χ^2/NDF:555451.4/49

Out: 1260.256+/-0.149 χ^2/NDF:535562.8/56

All: 1263.533+/-0.107 χ^2/NDF: 1092023.1/10



Right In: -381.169+/-160.116 χ^2/NDF: 30.5/26

Left Out: -160.930+/-64.133 χ^2/NDF:43.8/24

Right Out: 277.839+/-158.165 χ^2/NDF: 29.3/31

Left In: 113.722+/-68.841 χ^2/NDF:18.2/22

Left: -33.316+/-46.925 χ^2/NDF: 70.5/47

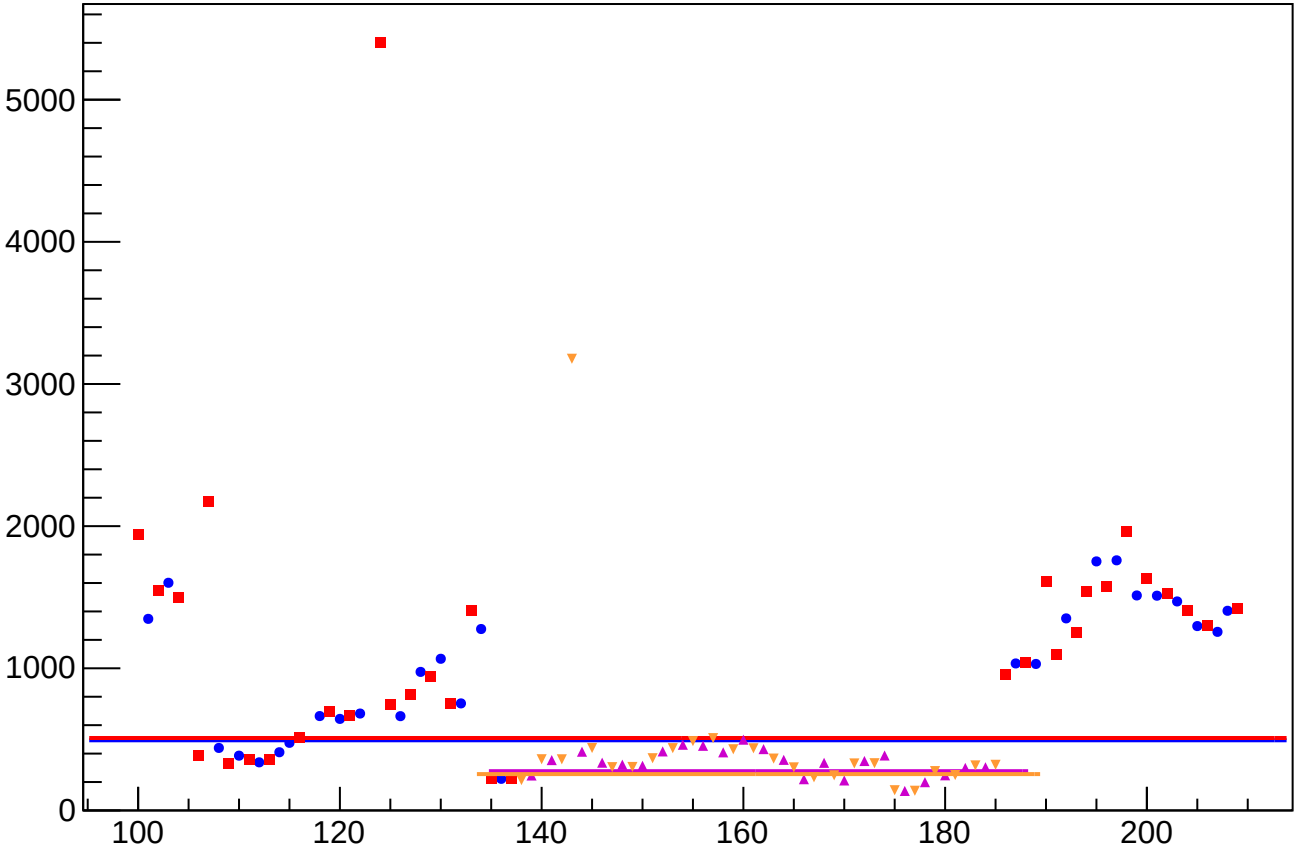
Right: -47.626+/-112.523 χ^2/NDF: 68.4/58

In: 36.513+/-63.243 χ^2/NDF:56.7/49

Out: -98.976+/-59.433 χ^2/NDF:79.7/56

All: -35.436+/-43.310 χ^2/NDF: 138.9/106

asym_atl_avg_atr_avg_dd_dit_correction_rms vs Slug, Sign Corrected



Right In: 493.620+/-0.113 χ^2/NDF: 12440299.7/26

Left Out: 255.768+/-0.045 χ^2/NDF:6373929.4/24

Right Out: 509.707+/-0.112 χ^2/NDF: 13527074.8/31

Left In: 276.298+/-0.049 χ^2/NDF:4027410.5/22

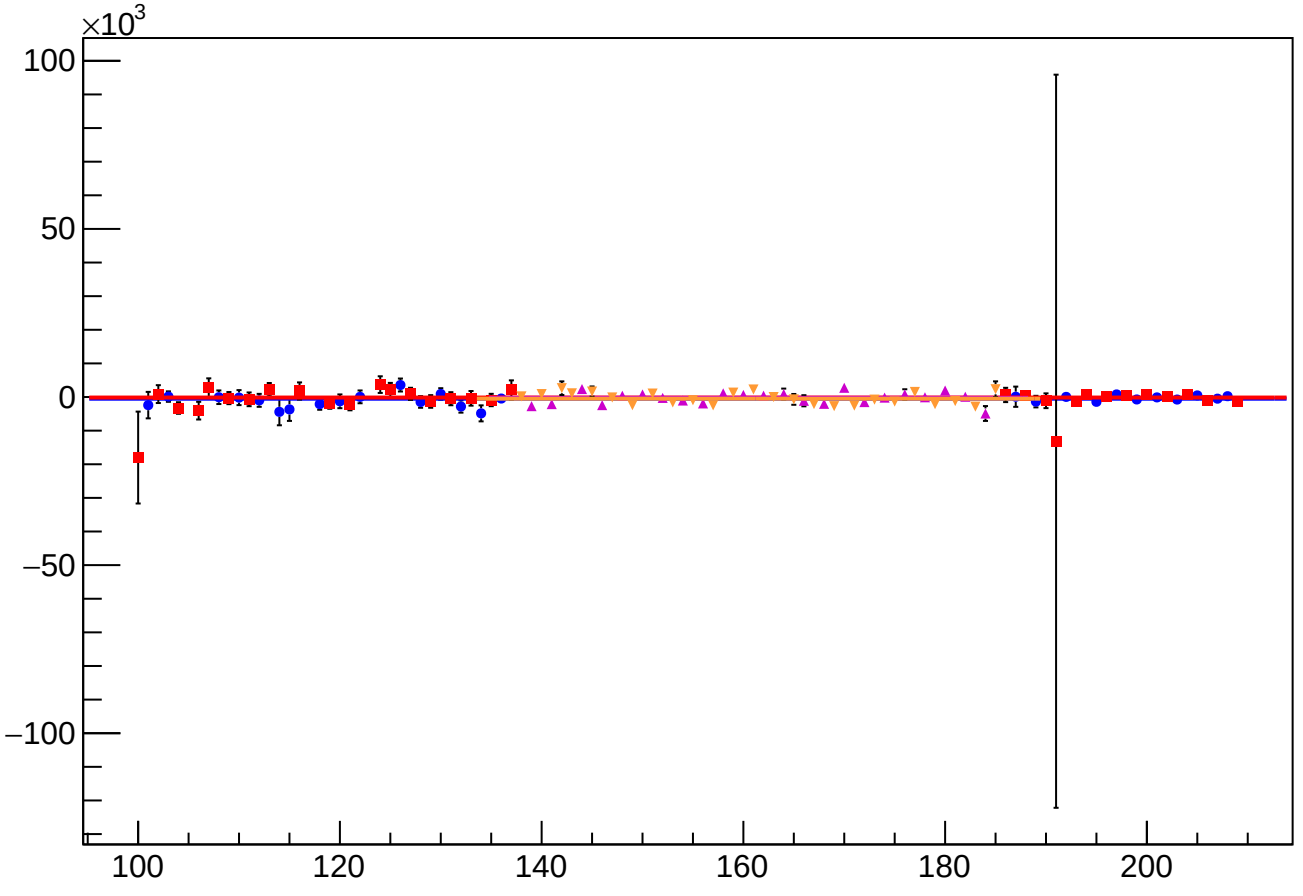
Left: 265.307+/-0.033 χ^2/NDF: 10496569.7/47

Right: 501.762+/-0.080 χ^2/NDF: 25977592.8/58

In: 310.203+/-0.045 χ^2/NDF:19577303.0/49

Out: 291.624+/-0.042 χ^2/NDF:24328503.4/56

All: 300.337+/-0.031 χ^2/NDF: 43997465.9/10



Right In: -501.118+/-323.350 χ^2/NDF: 16.6/26

Left Out: -493.435+/-282.734 χ^2/NDF:34.2/24

Right Out: -156.311+/-314.043 χ^2/NDF: 22.2/31

Left In: -242.004+/-294.339 χ^2/NDF:30.7/22

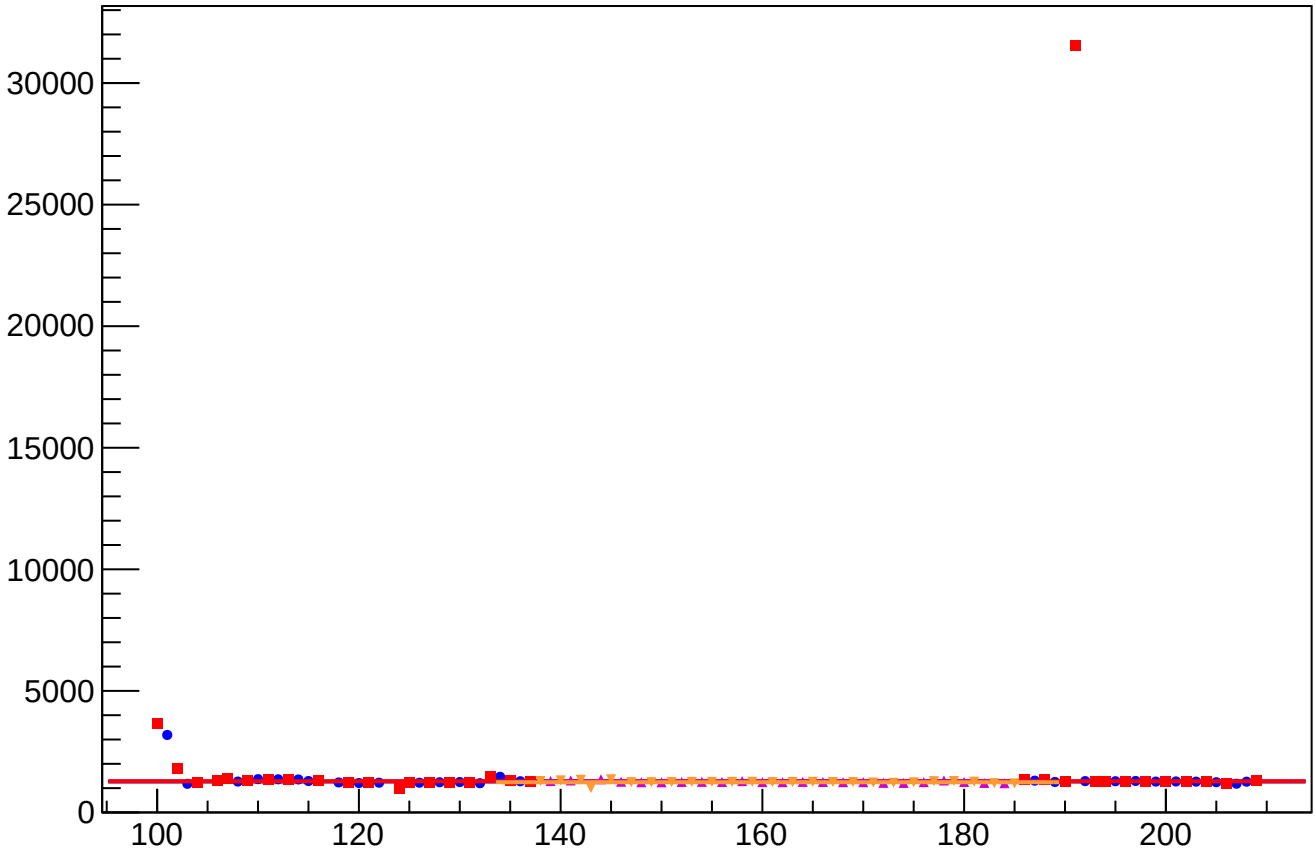
Left: -372.774+/-203.903 χ^2/NDF: 65.3/47

Right: -323.681+/-225.280 χ^2/NDF: 39.4/58

In: -359.418+/-217.664 χ^2/NDF:47.6/49

Out: -342.511+/-210.123 χ^2/NDF:57.0/56

All: -350.667+/-151.175 χ^2/NDF: 104.7/106



Right In: 1275.447+/-0.229 χ^2/NDF: 525053.6/26

Left Out: 1242.539+/-0.200 χ^2/NDF:130022.2/24

Right Out: 1282.113+/-0.222 χ^2/NDF: 387999.0/31

Left In: 1260.094+/-0.208 χ^2/NDF:27932.2/22

Left: 1250.964+/-0.144 χ^2/NDF: 161654.3/47

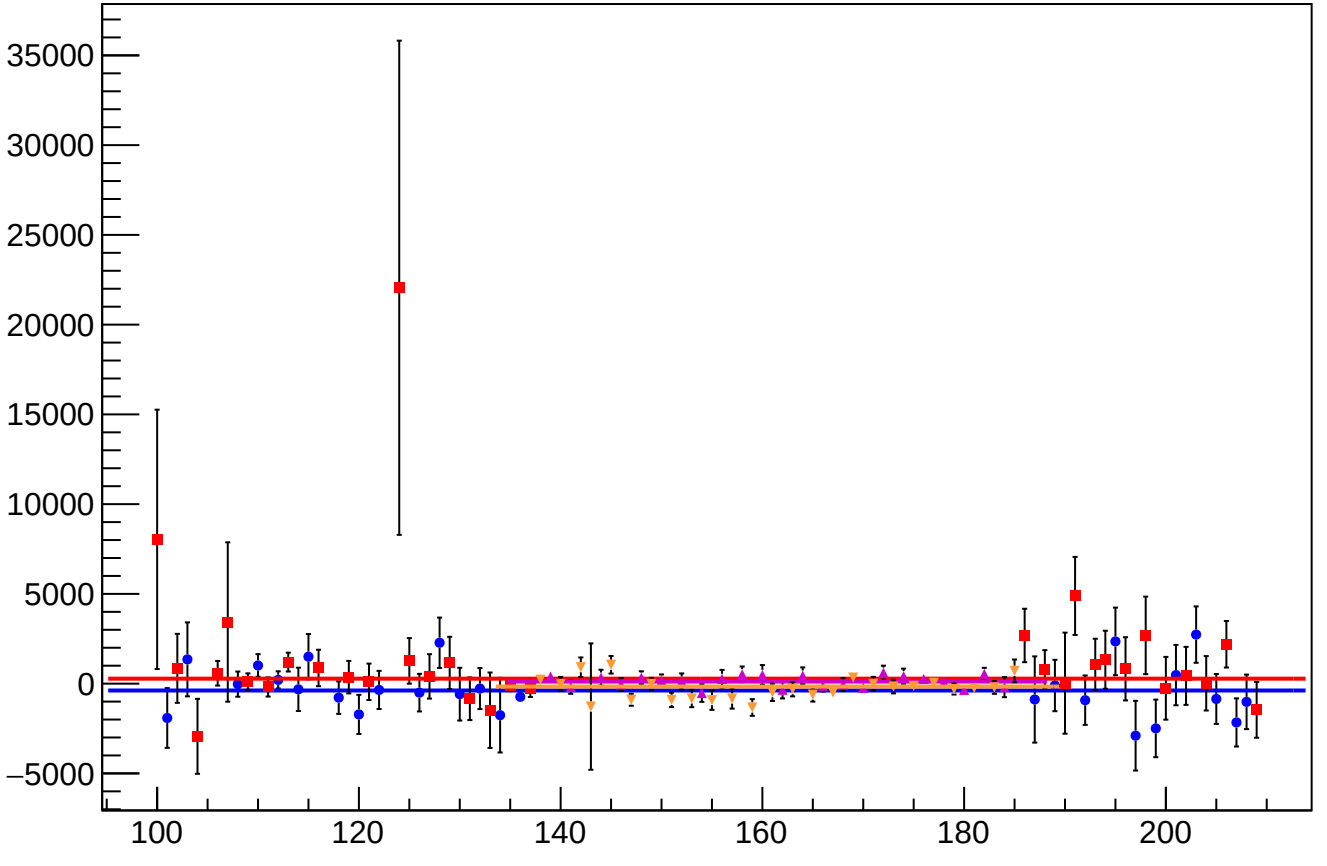
Right: 1278.877+/-0.159 χ^2/NDF: 913490.0/58

In: 1267.051+/-0.154 χ^2/NDF:555451.5/49

Out: 1260.256+/-0.149 χ^2/NDF:535562.2/56

All: 1263.533+/-0.107 χ^2/NDF: 1092022.6/10

asym_atl_avg_atr_avg_dd_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -381.170+/-160.118 χ^2/NDF: 30.5/26

Left Out: -160.933+/-64.133 χ^2/NDF:43.8/24

Right Out: 277.848+/-158.167 χ^2/NDF: 29.3/31

Left In: 113.720+/-68.841 χ^2/NDF:18.2/22

Left: -33.318+/-46.925 χ^2/NDF: 70.5/47

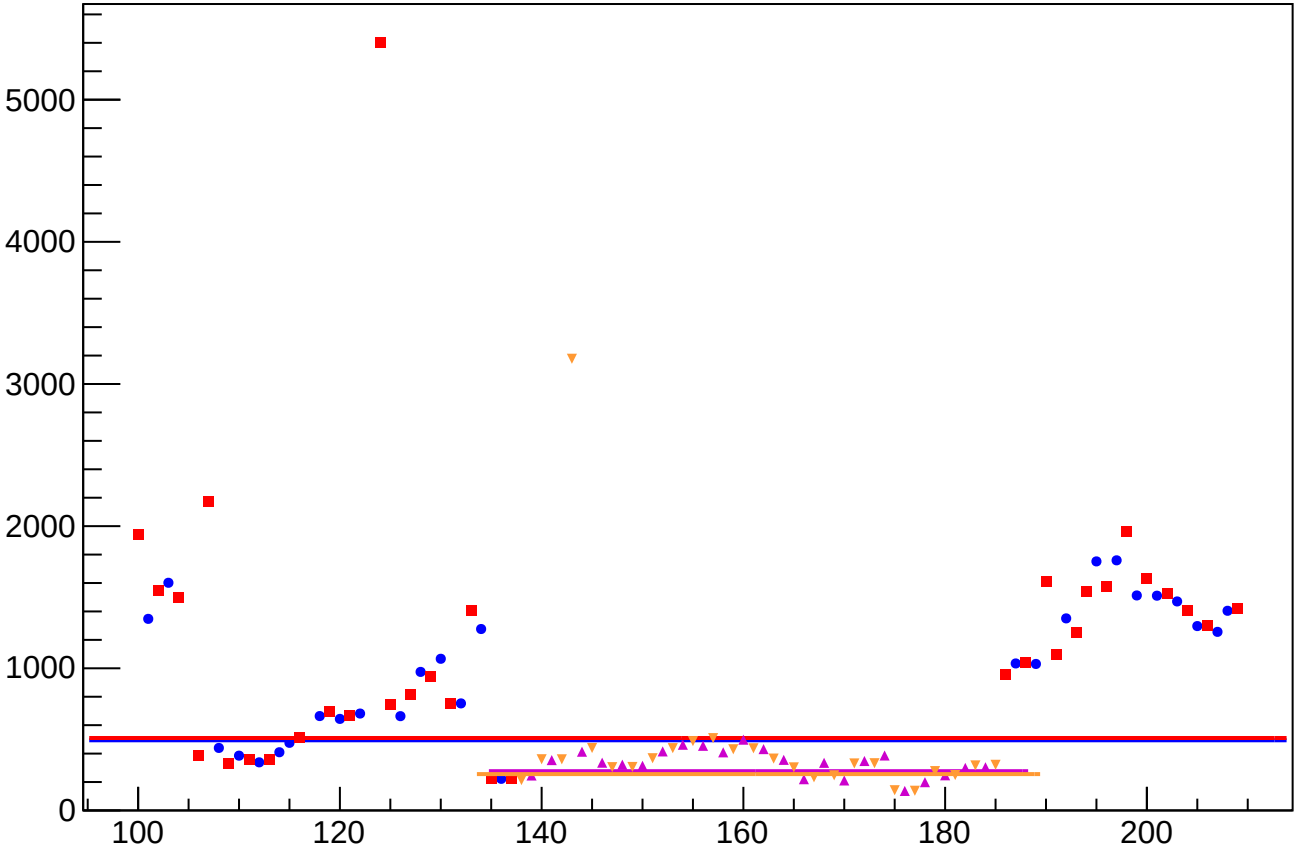
Right: -47.622+/-112.524 χ^2/NDF: 68.4/58

In: 36.513+/-63.243 χ^2/NDF:56.7/49

Out: -98.979+/-59.433 χ^2/NDF:79.7/56

All: -35.437+/-43.310 χ^2/NDF: 138.9/106

asym_atl_avg_atr_avg_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 493.632+/-0.113 χ^2/NDF: 12439931.8/26

Left Out: 255.770+/-0.045 χ^2/NDF:6373829.7/24

Right Out: 509.716+/-0.112 χ^2/NDF: 13526778.5/31

Left In: 276.299+/-0.049 χ^2/NDF:4027371.0/22

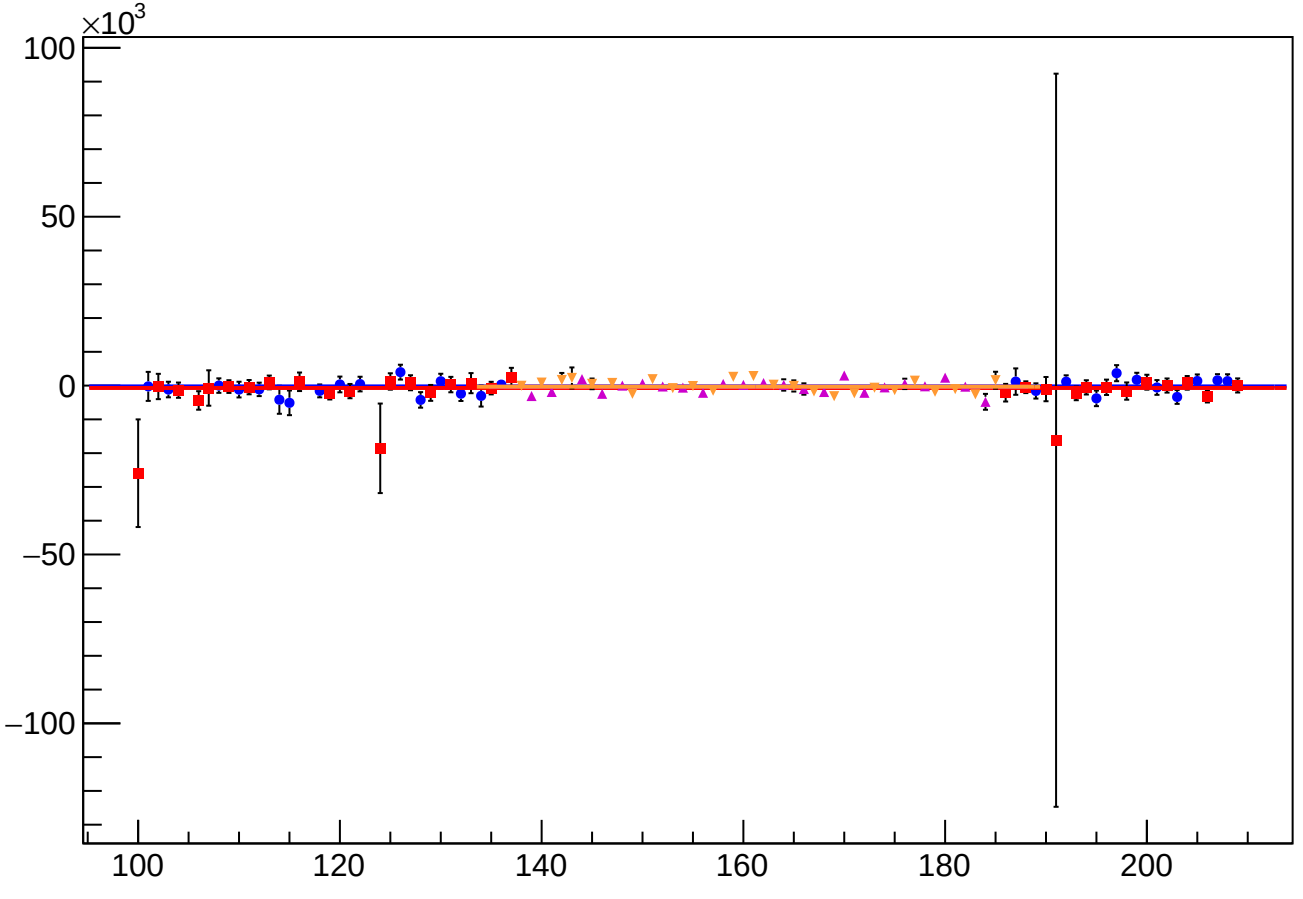
Left: 265.308+/-0.033 χ^2/NDF: 10496422.7/47

Right: 501.773+/-0.080 χ^2/NDF: 25976925.0/58

In: 310.205+/-0.045 χ^2/NDF:19577152.9/49

Out: 291.626+/-0.042 χ^2/NDF:24328307.0/56

All: 300.339+/-0.031 χ^2/NDF: 43997114.1/10



Right In: -242.290+/-424.968 χ^2/NDF: 24.6/26

Left Out: -319.744+/-298.271 χ^2/NDF:31.6/24

Right Out: -700.413+/-417.982 χ^2/NDF: 16.1/31

Left In: -356.387+/-301.902 χ^2/NDF:29.7/22

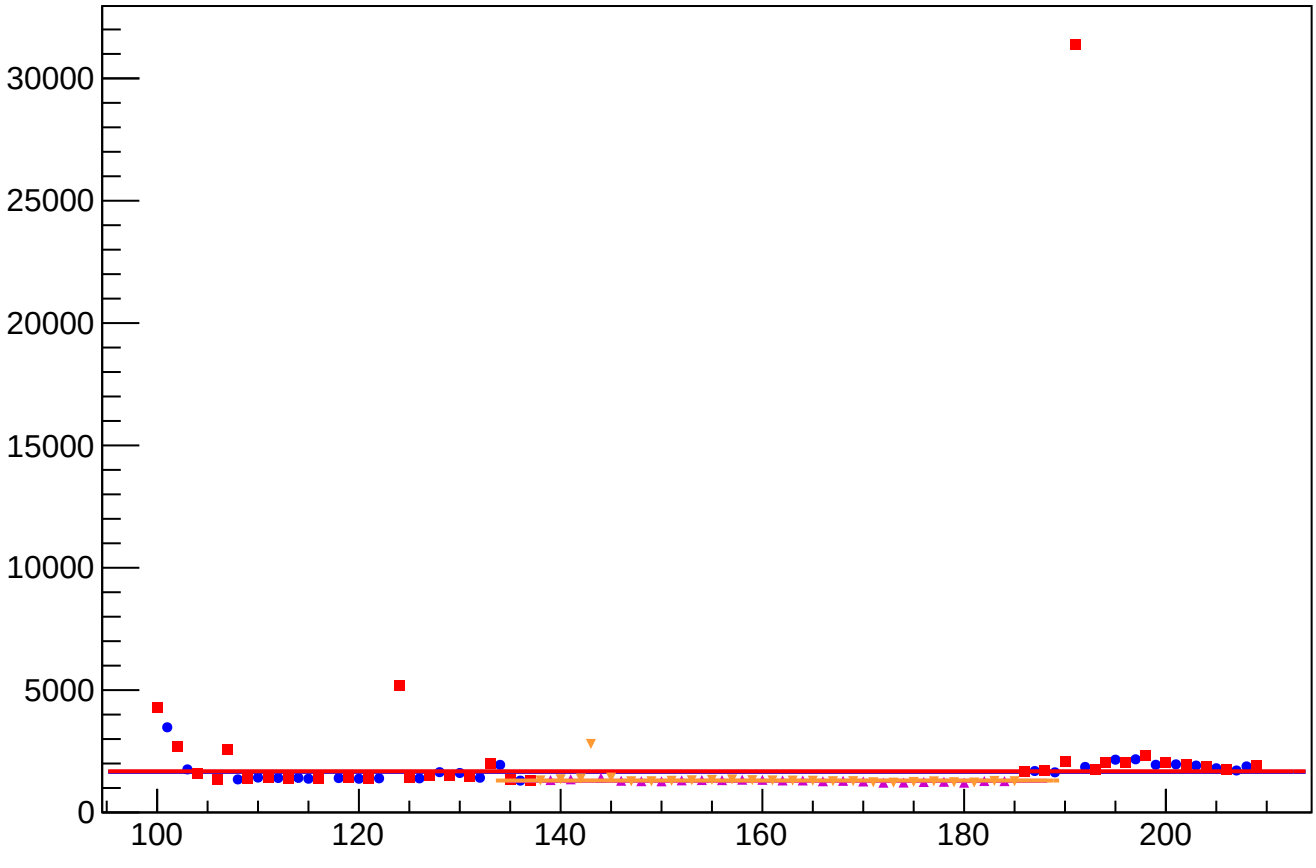
Left: -337.843+/-212.182 χ^2/NDF: 61.2/47

Right: -475.148+/-297.997 χ^2/NDF: 41.3/58

In: -318.118+/-246.118 χ^2/NDF:54.3/49

Out: -448.184+/-242.792 χ^2/NDF:48.2/56

All: -384.036+/-172.844 χ^2/NDF: 102.6/106



Right In: 1658.400+/-0.300 χ^2/NDF: 1129924.5/26

Left Out: 1304.156+/-0.211 χ^2/NDF:519609.1/24

Right Out: 1682.167+/-0.296 χ^2/NDF: 1399409.4/31

Left In: 1292.123+/-0.213 χ^2/NDF:48343.1/22

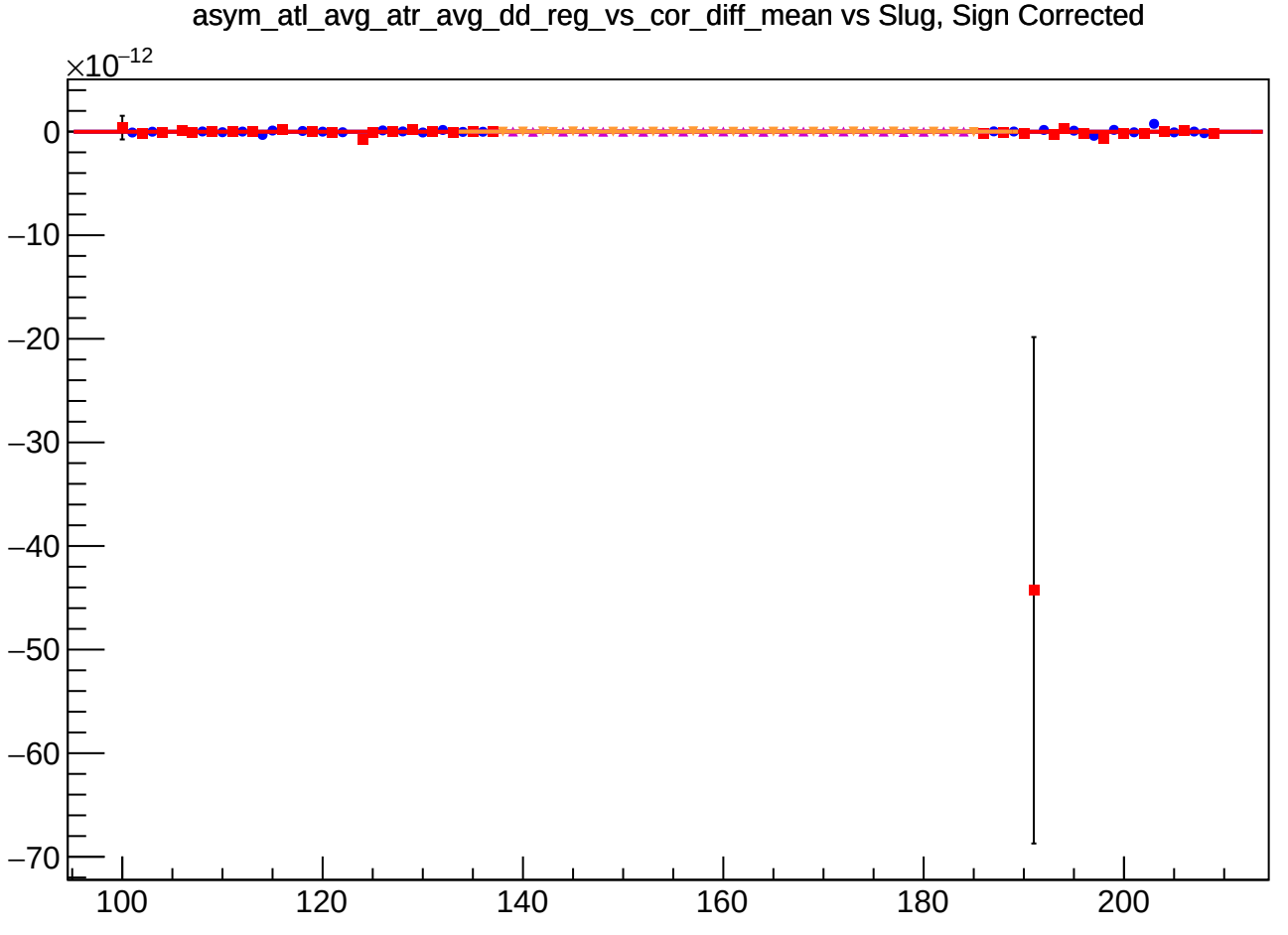
Left: 1298.212+/-0.150 χ^2/NDF: 569560.1/47

Right: 1670.481+/-0.211 χ^2/NDF: 2532513.6/58

In: 1414.976+/-0.174 χ^2/NDF:2165665.7/49

Out: 1431.700+/-0.172 χ^2/NDF:3002878.1/56

All: 1423.452+/-0.122 χ^2/NDF: 5173224.0/10



Right In: -0.000+/-0.000 χ^2/NDF: 29.2/26

Left Out: 0.000+/-0.000 χ^2/NDF:24.3/24

Right Out: -0.000+/-0.000 χ^2/NDF: 38.3/31

Left In: -0.000+/-0.000 χ^2/NDF:29.6/22

Left: -0.000+/-0.000 χ^2/NDF: 54.2/47

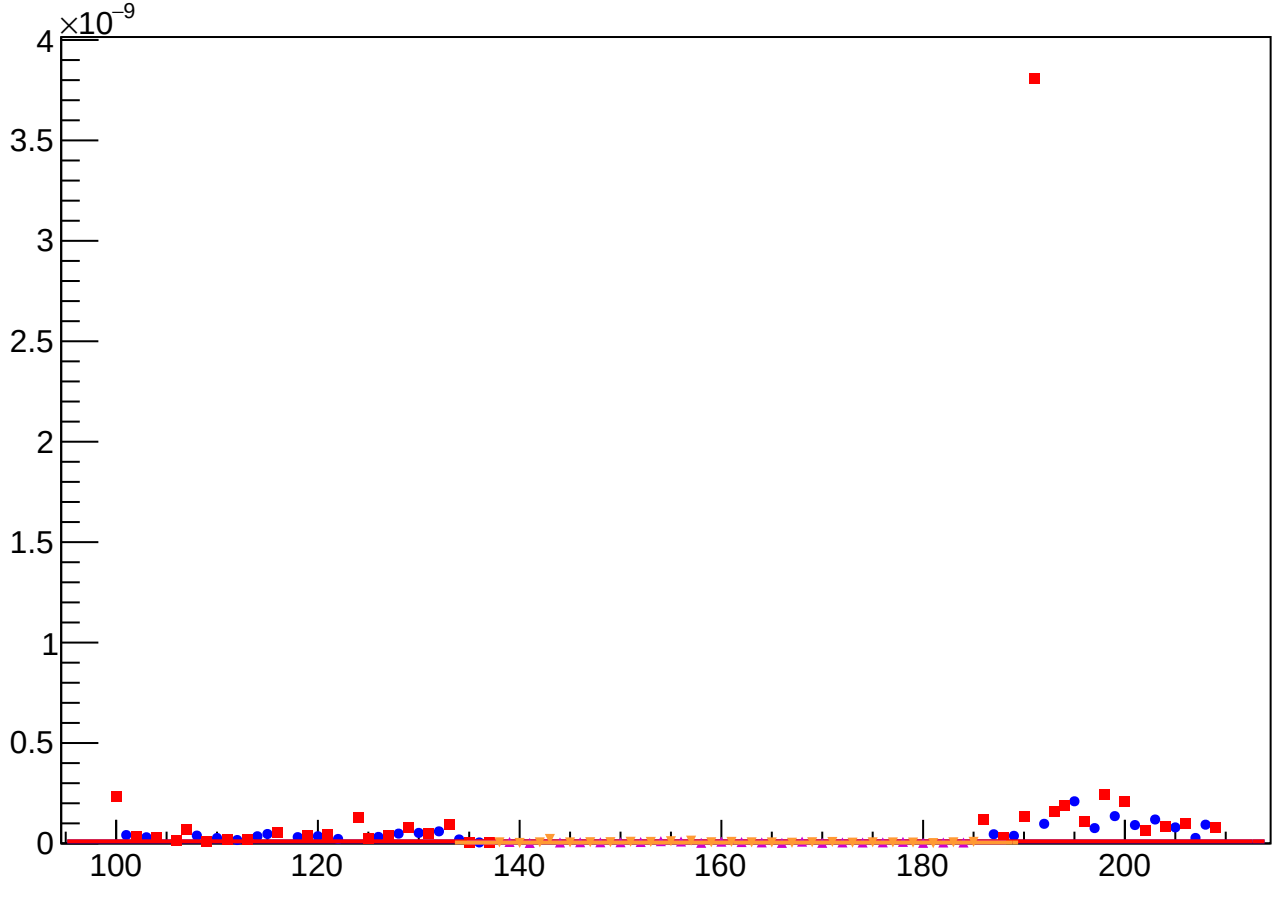
Right: -0.000+/-0.000 χ^2/NDF: 67.6/58

In: -0.000+/-0.000 χ^2/NDF:60.9/49

Out: -0.000+/-0.000 χ^2/NDF:65.7/56

All: -0.000+/-0.000 χ^2/NDF: 126.9/106

asym_atl_avg_atr_avg_dd_reg_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 7460981.9/26

Left Out: 0.000+/-0.000 χ^2/NDF:2715297.7/24

Right Out: 0.000+/-0.000 χ^2/NDF: 9911990.3/31

Left In: 0.000+/-0.000 χ^2/NDF:1884808.0/22

Left: 0.000+/-0.000 χ^2/NDF: 4620695.3/47

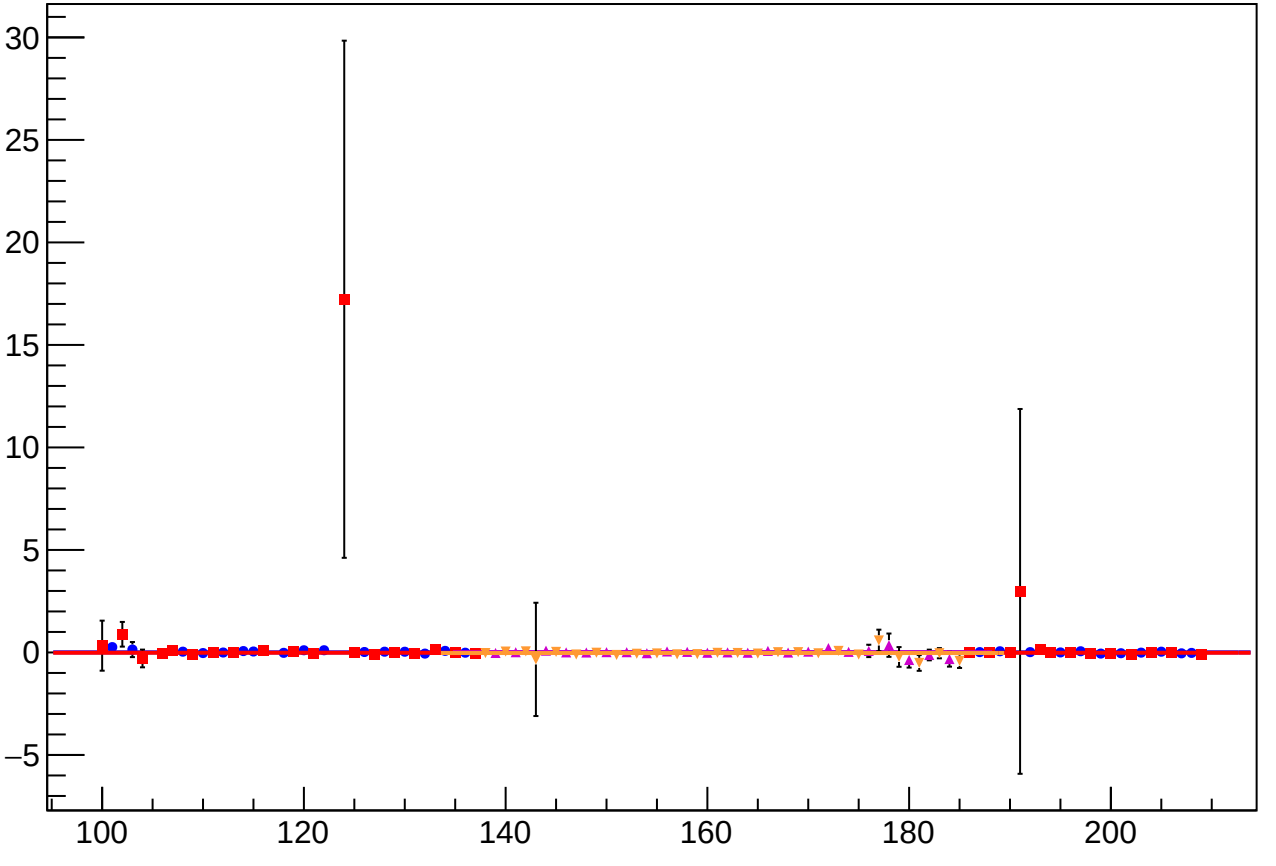
Right: 0.000+/-0.000 χ^2/NDF: 17382185.9/58

In: 0.000+/-0.000 χ^2/NDF:10253278.6/49

Out: 0.000+/-0.000 χ^2/NDF:13767660.4/56

All: 0.000+/-0.000 χ^2/NDF: 24048175.4/106

asym_atl_avg_atr_avg_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.006+/-0.012 χ^2/NDF: 16.2/26

Left Out: -0.028+/-0.010 χ^2/NDF:28.1/24

Right Out: -0.014+/-0.012 χ^2/NDF: 26.7/31

Left In: 0.011+/-0.009 χ^2/NDF:13.2/22

Left: -0.008+/-0.007 χ^2/NDF: 49.6/47

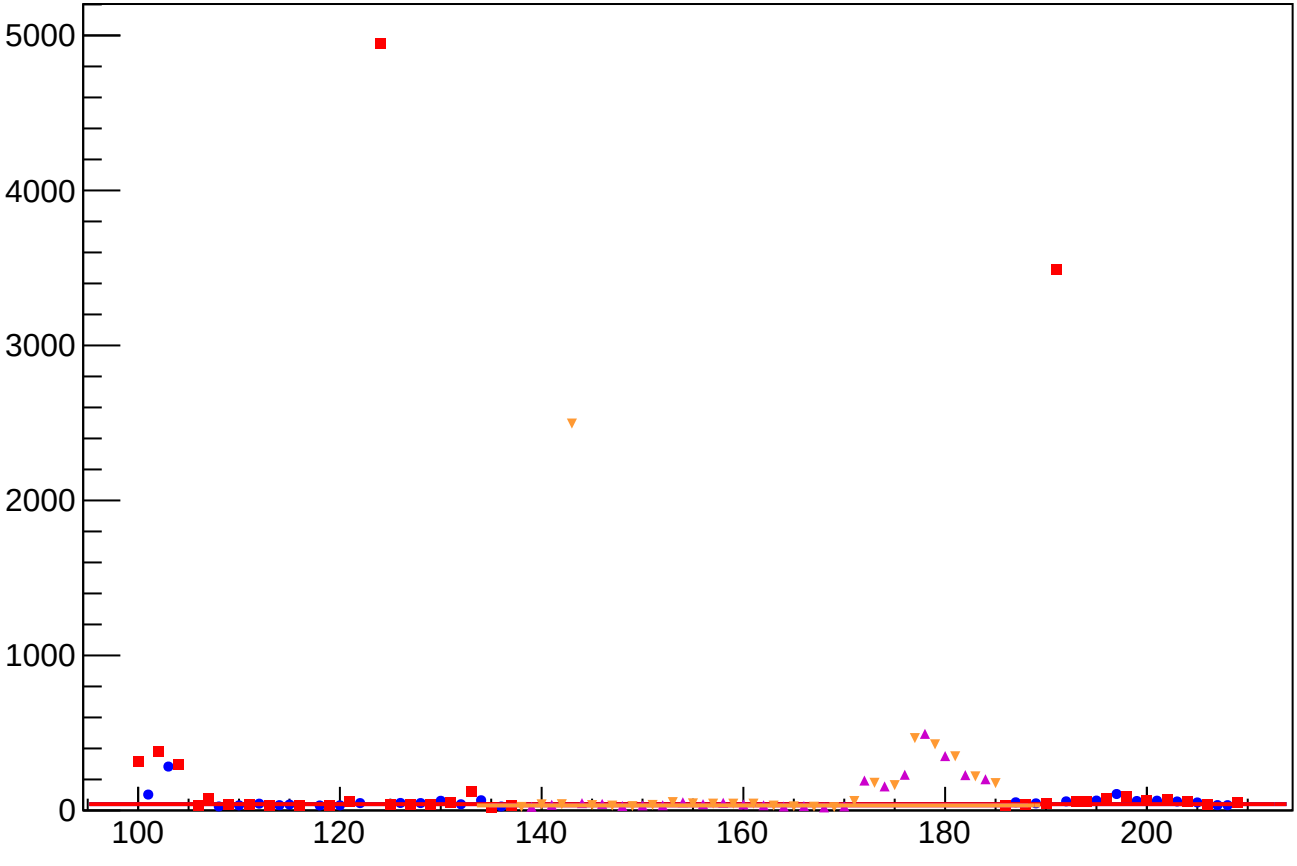
Right: -0.005+/-0.008 χ^2/NDF: 44.3/58

In: 0.009+/-0.007 χ^2/NDF:29.5/49

Out: -0.022+/-0.007 χ^2/NDF:55.7/56

All: -0.007+/-0.005 χ^2/NDF: 94.1/106

asym_atl_avg_atr_avg_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 41.030+/-0.008 χ^2/NDF: 4131783.1/26

Left Out: 32.551+/-0.007 χ^2/NDF:10871758.1/24

Right Out: 40.731+/-0.008 χ^2/NDF: 5458676.5/31

Left In: 32.738+/-0.007 χ^2/NDF:8963240.8/22

Left: 32.645+/-0.005 χ^2/NDF: 19835386.0/47

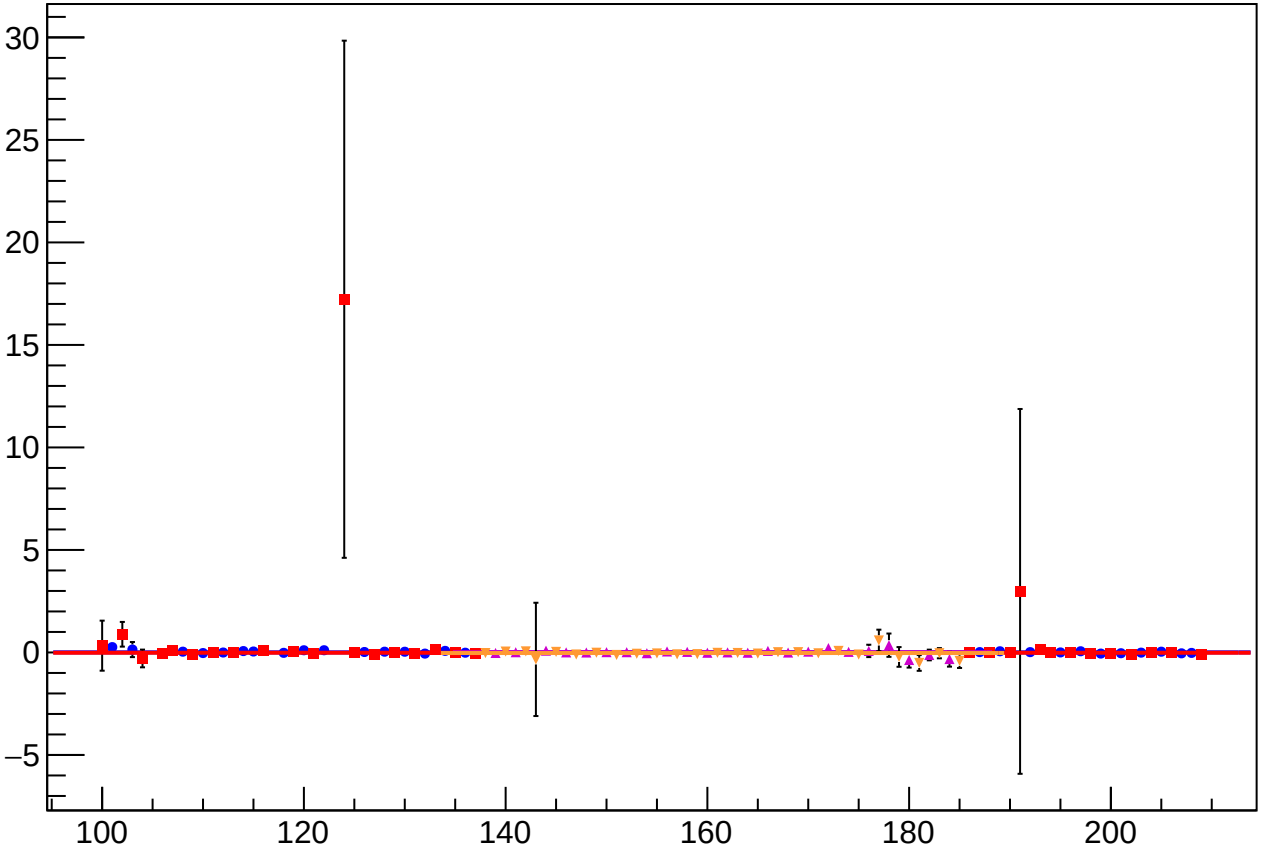
Right: 40.876+/-0.006 χ^2/NDF: 9591110.4/58

In: 35.975+/-0.005 χ^2/NDF:13689769.0/49

Out: 35.865+/-0.005 χ^2/NDF:16929089.0/56

All: 35.919+/-0.004 χ^2/NDF: 30619081.2/106

asym_atl_avg_atr_avg_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.006+/-0.012 χ^2/NDF: 16.2/26

Left Out: -0.028+/-0.010 χ^2/NDF:28.1/24

Right Out: -0.014+/-0.012 χ^2/NDF: 26.7/31

Left In: 0.011+/-0.009 χ^2/NDF:13.2/22

Left: -0.008+/-0.007 χ^2/NDF: 49.6/47

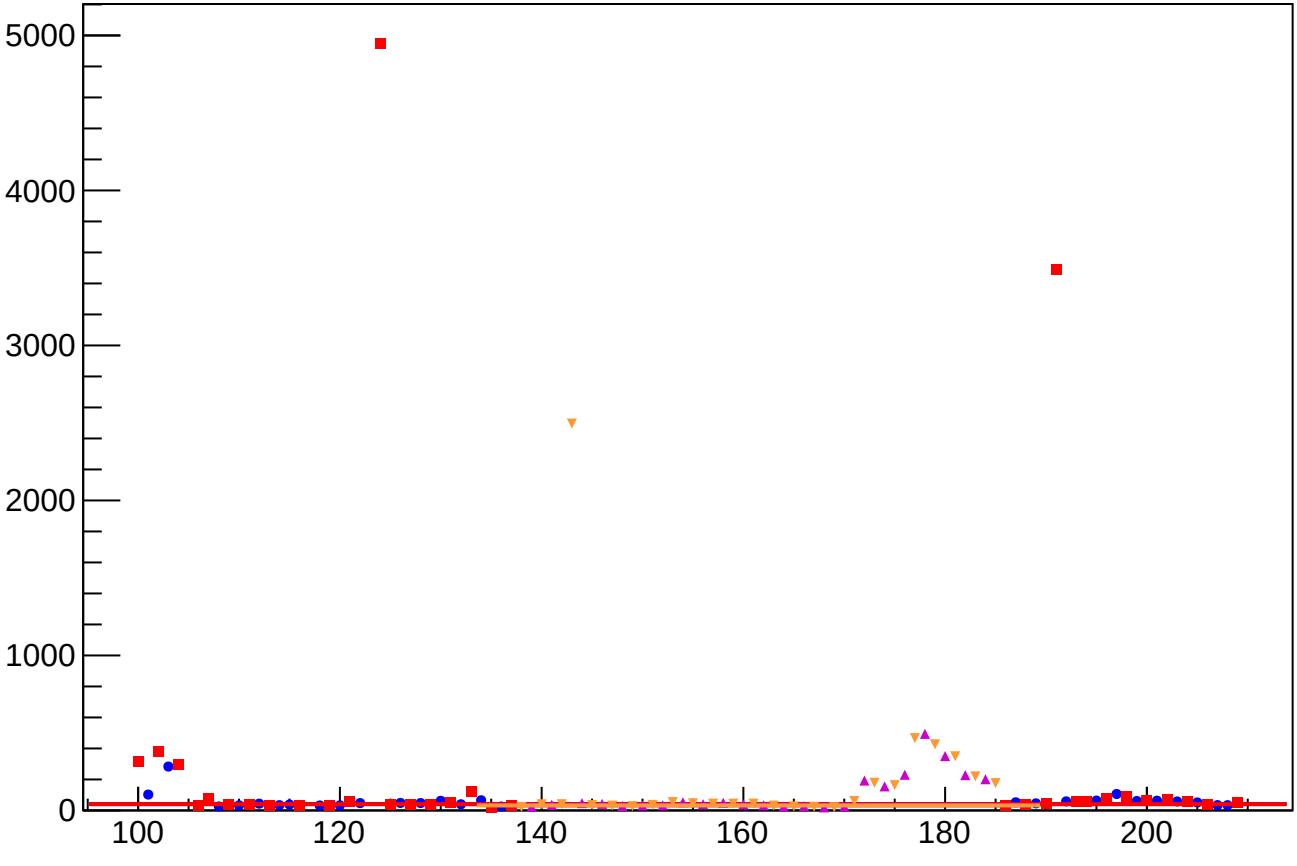
Right: -0.005+/-0.008 χ^2/NDF: 44.3/58

In: 0.009+/-0.007 χ^2/NDF:29.5/49

Out: -0.022+/-0.007 χ^2/NDF:55.7/56

All: -0.007+/-0.005 χ^2/NDF: 94.1/106

asym_atl_avg_atr_avg_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 41.030+/-0.008 χ^2/NDF: 4131783.1/26

Left Out: 32.551+/-0.007 χ^2/NDF:10871758.1/24

Right Out: 40.731+/-0.008 χ^2/NDF: 5458676.5/31

Left In: 32.738+/-0.007 χ^2/NDF:8963240.8/22

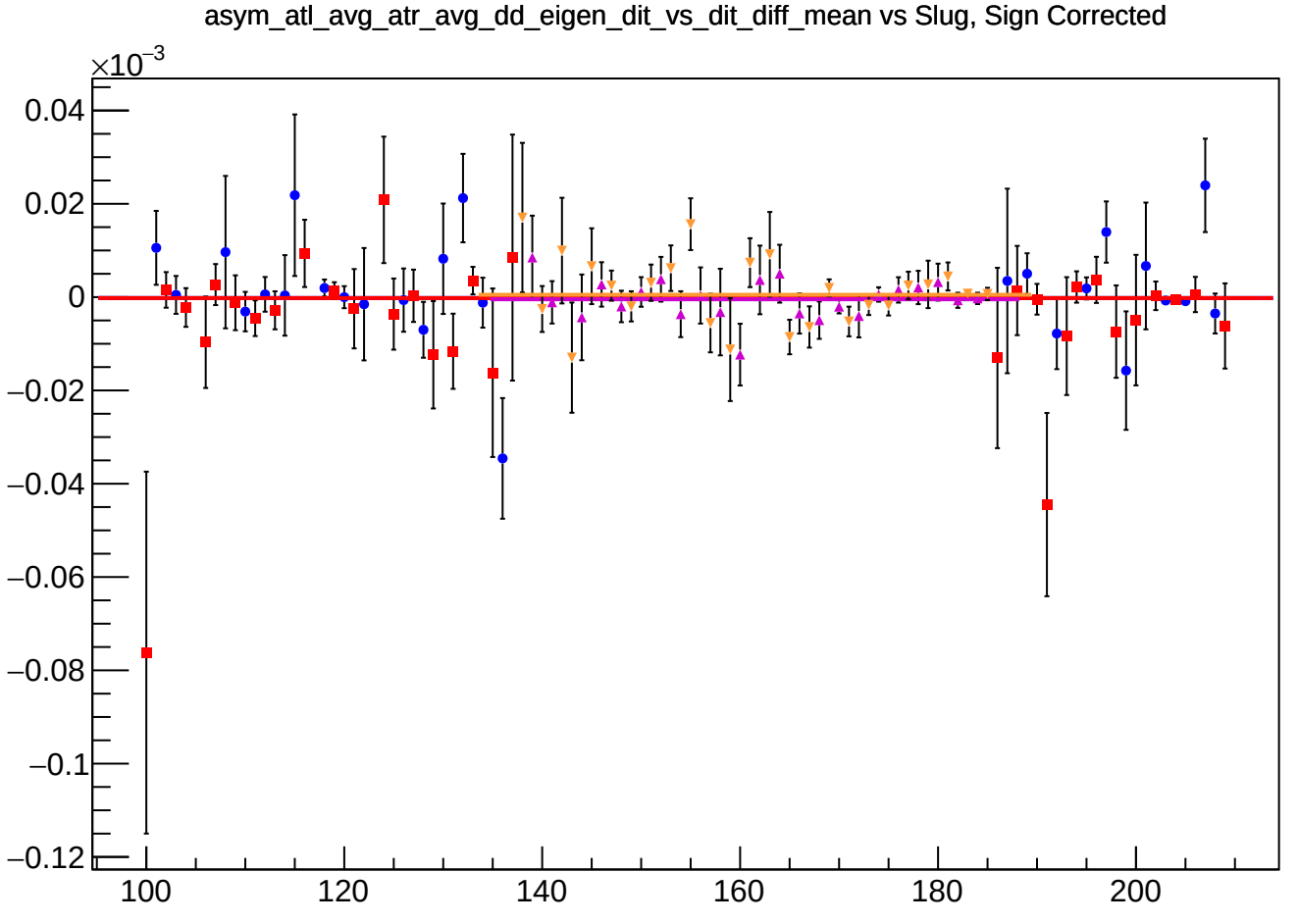
Left: 32.645+/-0.005 χ^2/NDF: 19835386.0/47

Right: 40.876+/-0.006 χ^2/NDF: 9591110.4/58

In: 35.975+/-0.005 χ^2/NDF:13689769.0/49

Out: 35.865+/-0.005 χ^2/NDF:16929089.0/56

All: 35.919+/-0.004 χ^2/NDF: 30619081.2/106



Right In: -0.000+/-0.000 χ^2/NDF: 36.8/26

Left Out: 0.000+/-0.000 χ^2/NDF:35.7/24

Right Out: -0.000+/-0.000 χ^2/NDF: 26.6/31

Left In: -0.000+/-0.000 χ^2/NDF:13.7/22

Left: 0.000+/-0.000 χ^2/NDF: 50.9/47

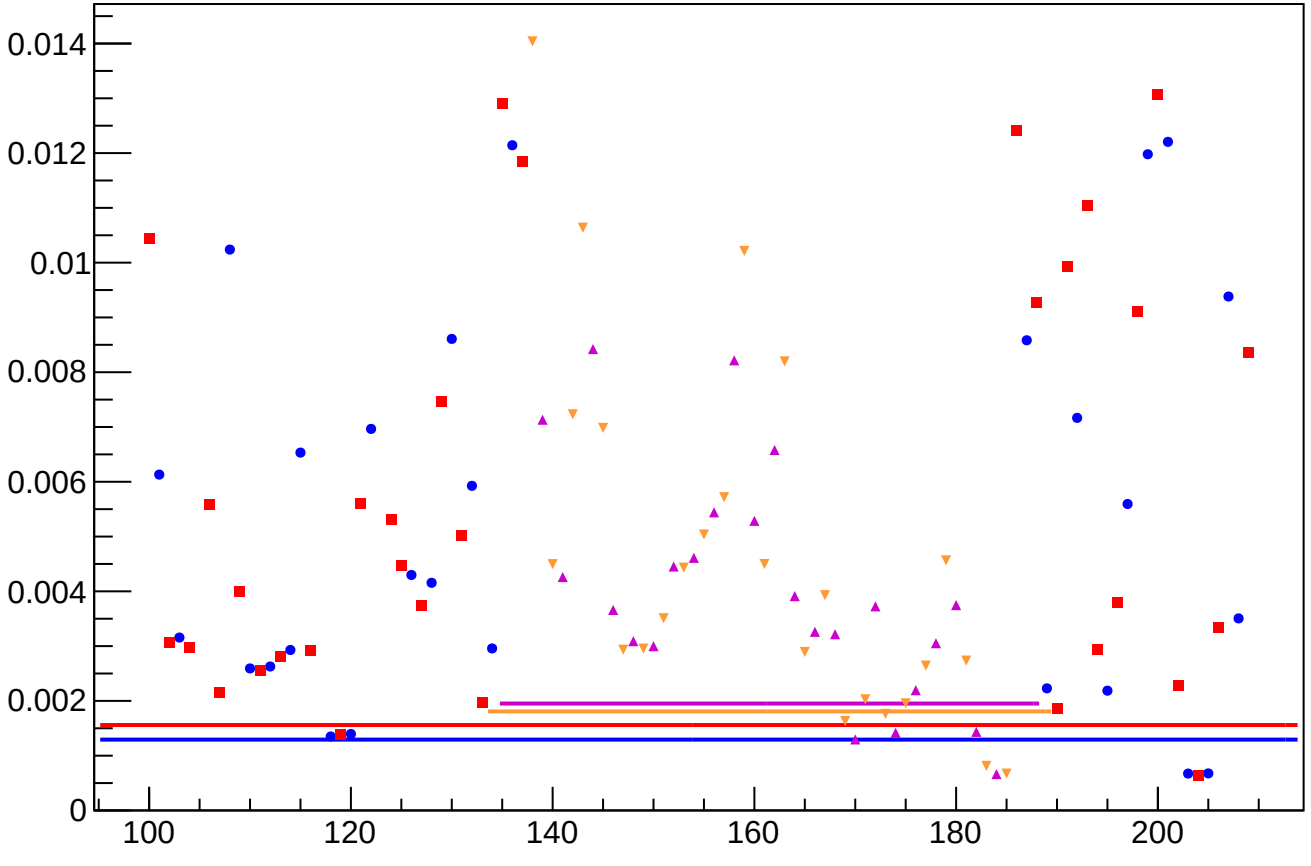
Right: -0.000+/-0.000 χ^2/NDF: 63.3/58

In: -0.000+/-0.000 χ^2/NDF:50.6/49

Out: 0.000+/-0.000 χ^2/NDF:63.1/56

All: -0.000+/-0.000 χ^2/NDF: 114.4/106

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: 15872879.1/26

Left Out: 0.002+/-0.000 χ^2/NDF:14941257.4/24

Right Out: 0.002+/-0.000 χ^2/NDF: 16523060.5/31

Left In: 0.002+/-0.000 χ^2/NDF:11478607.0/22

Left: 0.002+/-0.000 χ^2/NDF: 26484379.9/47

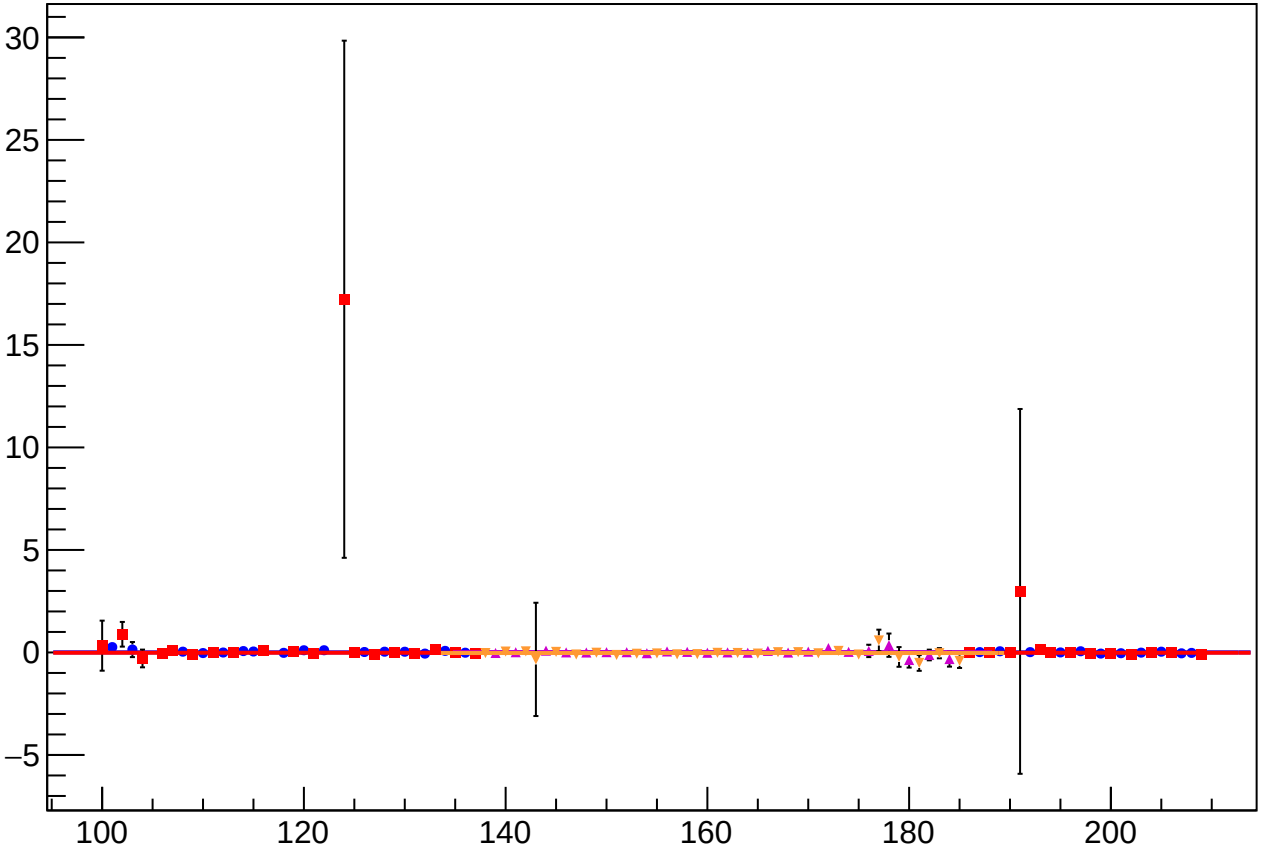
Right: 0.001+/-0.000 χ^2/NDF: 32641302.5/58

In: 0.002+/-0.000 χ^2/NDF:28775285.2/49

Out: 0.002+/-0.000 χ^2/NDF:31664250.4/56

All: 0.002+/-0.000 χ^2/NDF: 60518729.3/106

asym_atl_avg_atr_avg_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.006+/-0.012 χ^2/NDF: 16.2/26

Left Out: -0.028+/-0.010 χ^2/NDF:28.1/24

Right Out: -0.014+/-0.012 χ^2/NDF: 26.7/31

Left In: 0.011+/-0.009 χ^2/NDF:13.2/22

Left: -0.008+/-0.007 χ^2/NDF: 49.6/47

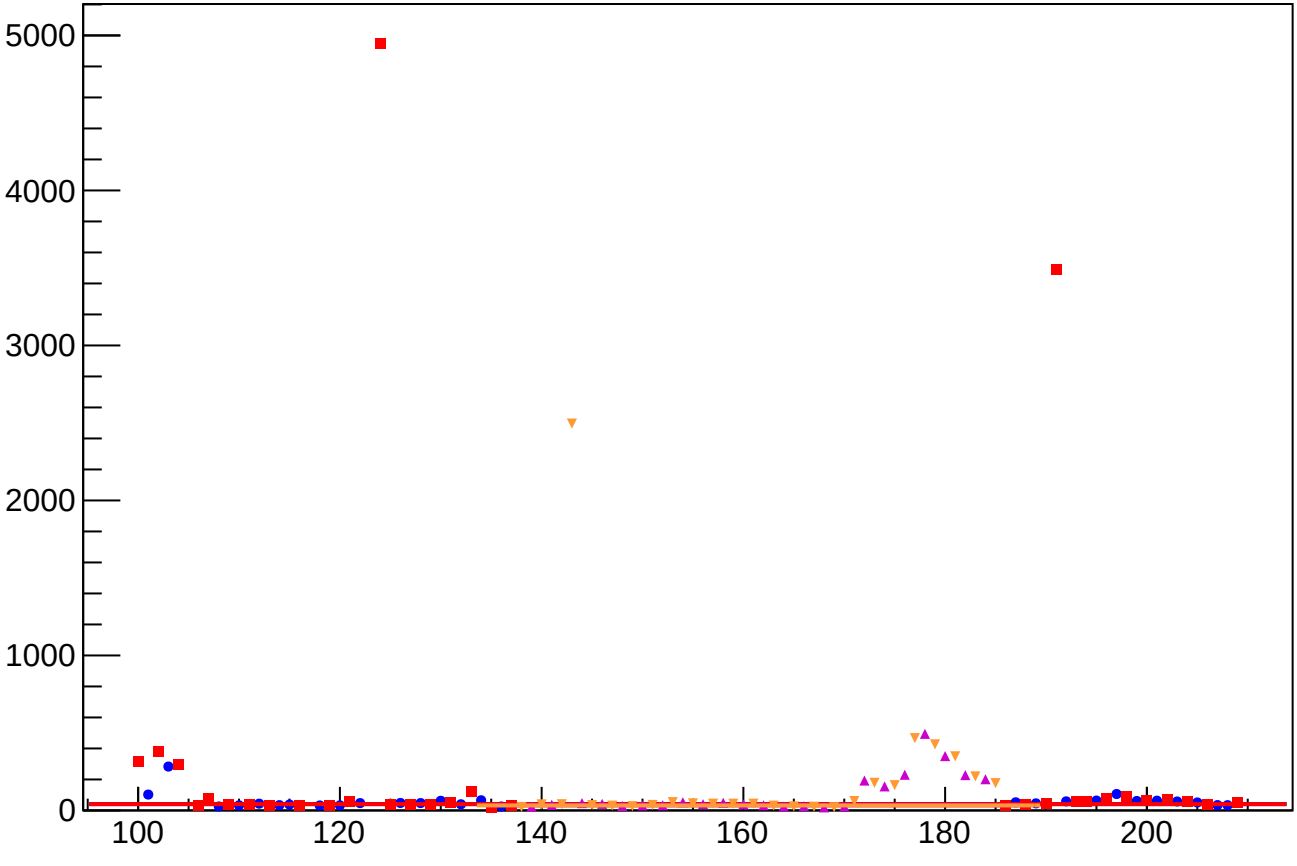
Right: -0.005+/-0.008 χ^2/NDF: 44.3/58

In: 0.009+/-0.007 χ^2/NDF:29.5/49

Out: -0.022+/-0.007 χ^2/NDF:55.7/56

All: -0.007+/-0.005 χ^2/NDF: 94.1/106

asym_atl_avg_atr_avg_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 41.030+/-0.008 χ^2/NDF: 4131432.7/26

Left Out: 32.551+/-0.007 χ^2/NDF:10872015.8/24

Right Out: 40.731+/-0.008 χ^2/NDF: 5458491.6/31

Left In: 32.737+/-0.007 χ^2/NDF:8963873.9/22

Left: 32.644+/-0.005 χ^2/NDF: 19836272.3/47

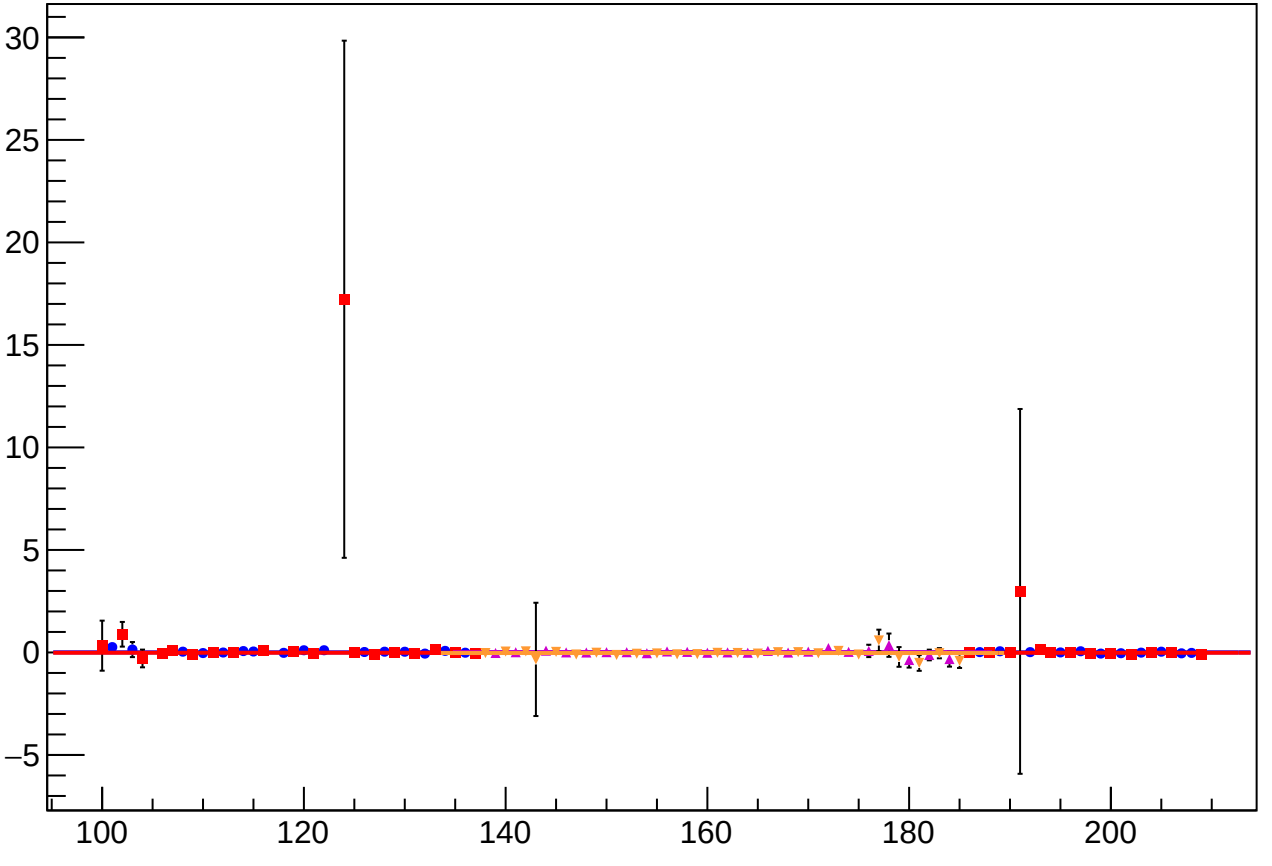
Right: 40.876+/-0.006 χ^2/NDF: 9590575.0/58

In: 35.974+/-0.005 χ^2/NDF:13690261.8/49

Out: 35.865+/-0.005 χ^2/NDF:16929208.7/56

All: 35.919+/-0.004 χ^2/NDF: 30619690.6/106

asym_atl_avg_atr_avg_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.006+/-0.012 χ^2/NDF: 16.2/26

Left Out: -0.028+/-0.010 χ^2/NDF:28.1/24

Right Out: -0.014+/-0.012 χ^2/NDF: 26.7/31

Left In: 0.011+/-0.009 χ^2/NDF:13.2/22

Left: -0.008+/-0.007 χ^2/NDF: 49.6/47

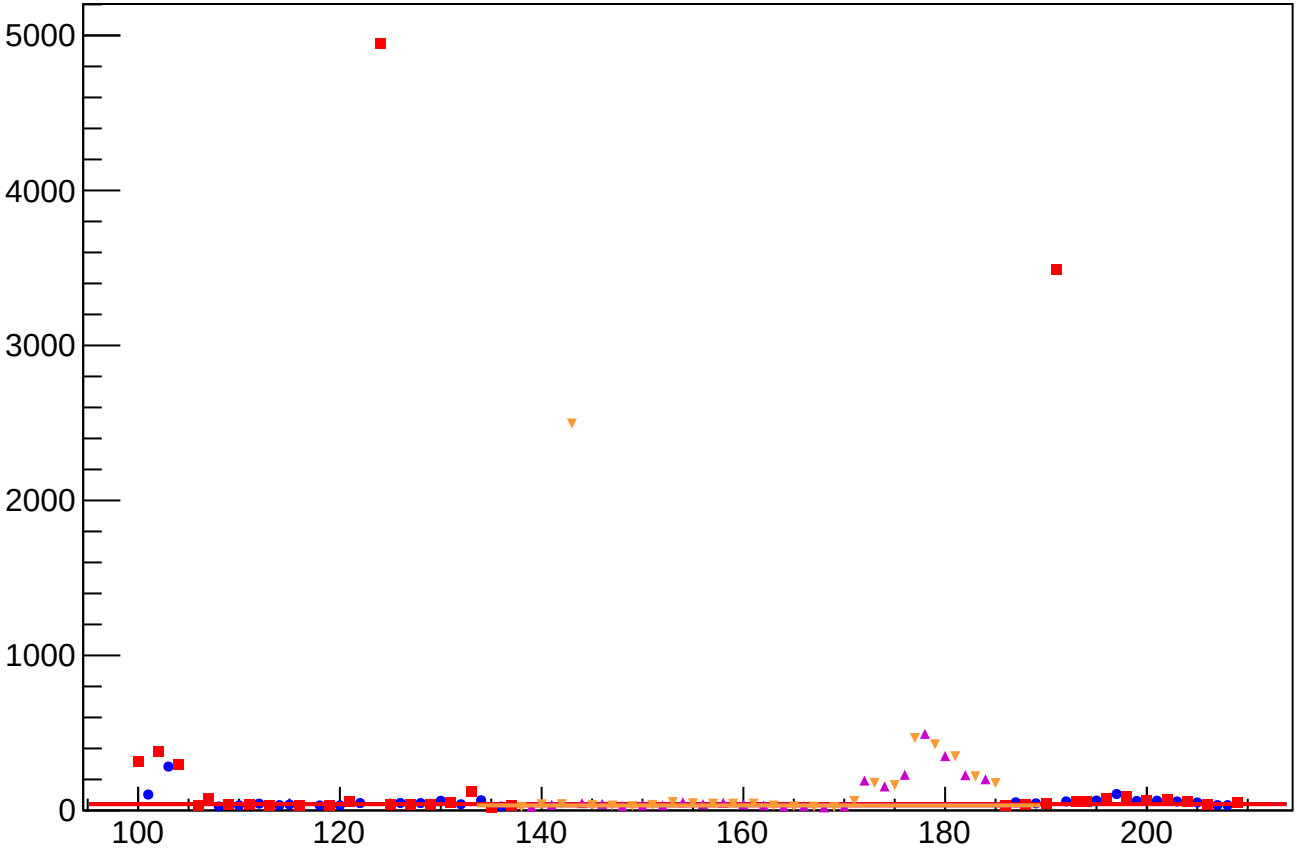
Right: -0.005+/-0.008 χ^2/NDF: 44.3/58

In: 0.009+/-0.007 χ^2/NDF:29.5/49

Out: -0.022+/-0.007 χ^2/NDF:55.7/56

All: -0.007+/-0.005 χ^2/NDF: 94.1/106

asym_atl_avg_atr_avg_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 41.030+/-0.008 χ^2/NDF: 4131432.7/26

Left Out: 32.551+/-0.007 χ^2/NDF:10872015.8/24

Right Out: 40.731+/-0.008 χ^2/NDF: 5458491.6/31

Left In: 32.737+/-0.007 χ^2/NDF:8963873.9/22

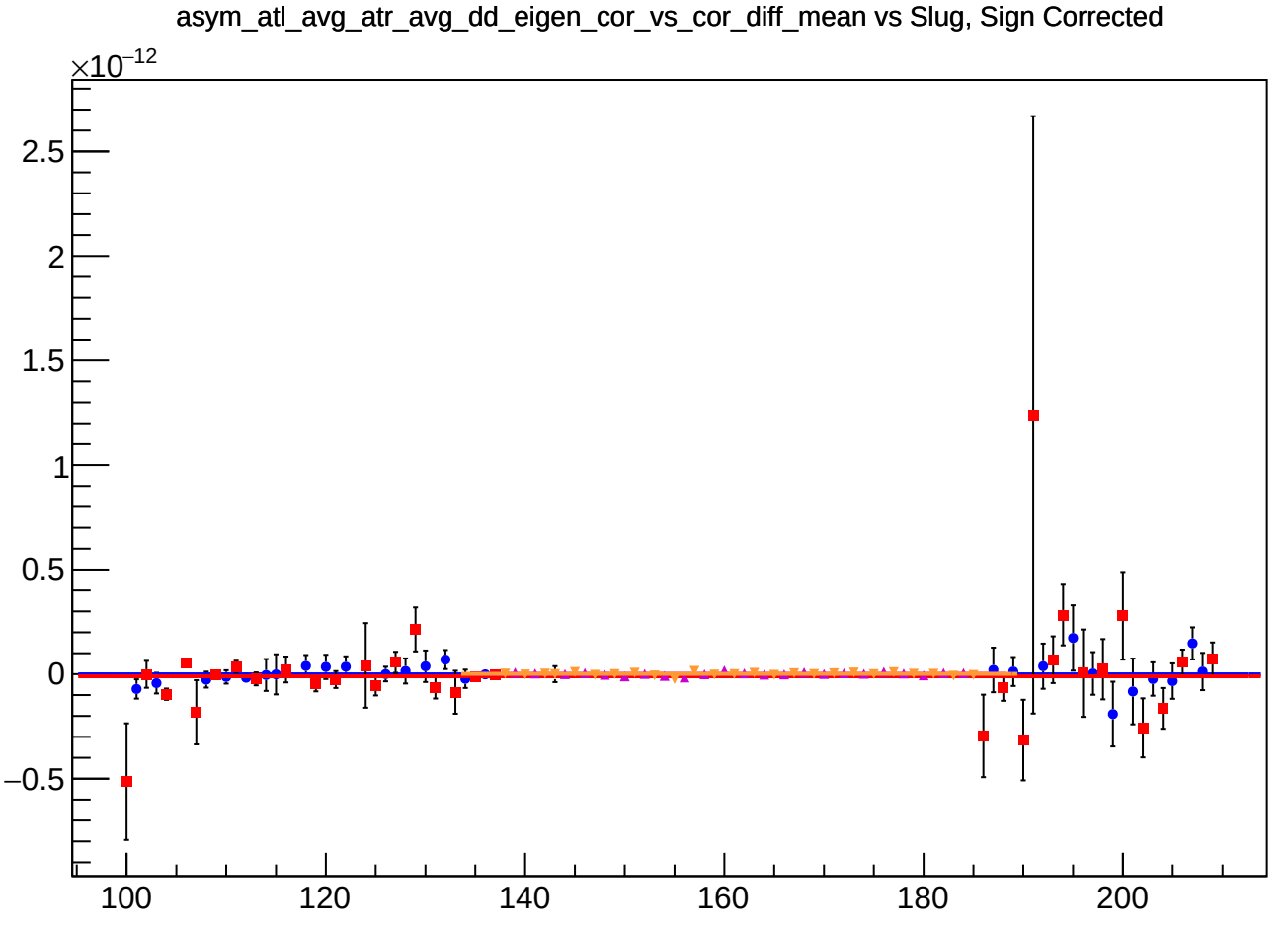
Left: 32.644+/-0.005 χ^2/NDF: 19836272.3/47

Right: 40.876+/-0.006 χ^2/NDF: 9590575.0/58

In: 35.974+/-0.005 χ^2/NDF:13690261.8/49

Out: 35.865+/-0.005 χ^2/NDF:16929208.7/56

All: 35.919+/-0.004 χ^2/NDF: 30619690.6/106



Right In: -0.000+/-0.000 χ^2/NDF: 15.8/26

Left Out: 0.000+/-0.000 χ^2/NDF:18.1/24

Right Out: -0.000+/-0.000 χ^2/NDF: 60.3/31

Left In: 0.000+/-0.000 χ^2/NDF:28.7/22

Left: 0.000+/-0.000 χ^2/NDF: 46.8/47

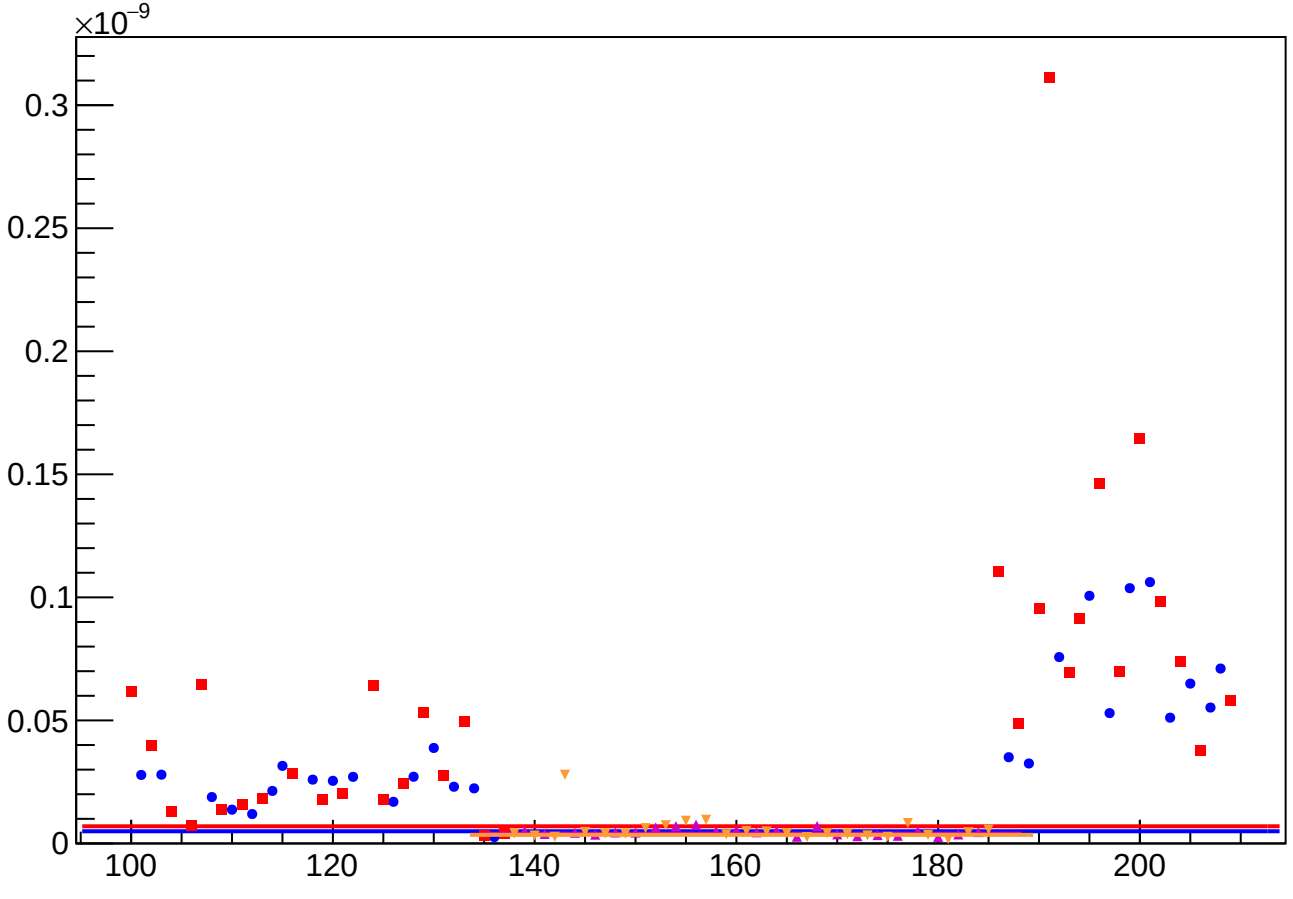
Right: -0.000+/-0.000 χ^2/NDF: 79.1/58

In: 0.000+/-0.000 χ^2/NDF:44.9/49

Out: 0.000+/-0.000 χ^2/NDF:85.9/56

All: 0.000+/-0.000 χ^2/NDF: 130.8/106

asym_atl_avg_atr_avg_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 12981532.3/26

Left Out: 0.000+/-0.000 χ^2/NDF:4688121.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 13733943.7/31

Left In: 0.000+/-0.000 χ^2/NDF:2073078.0/22

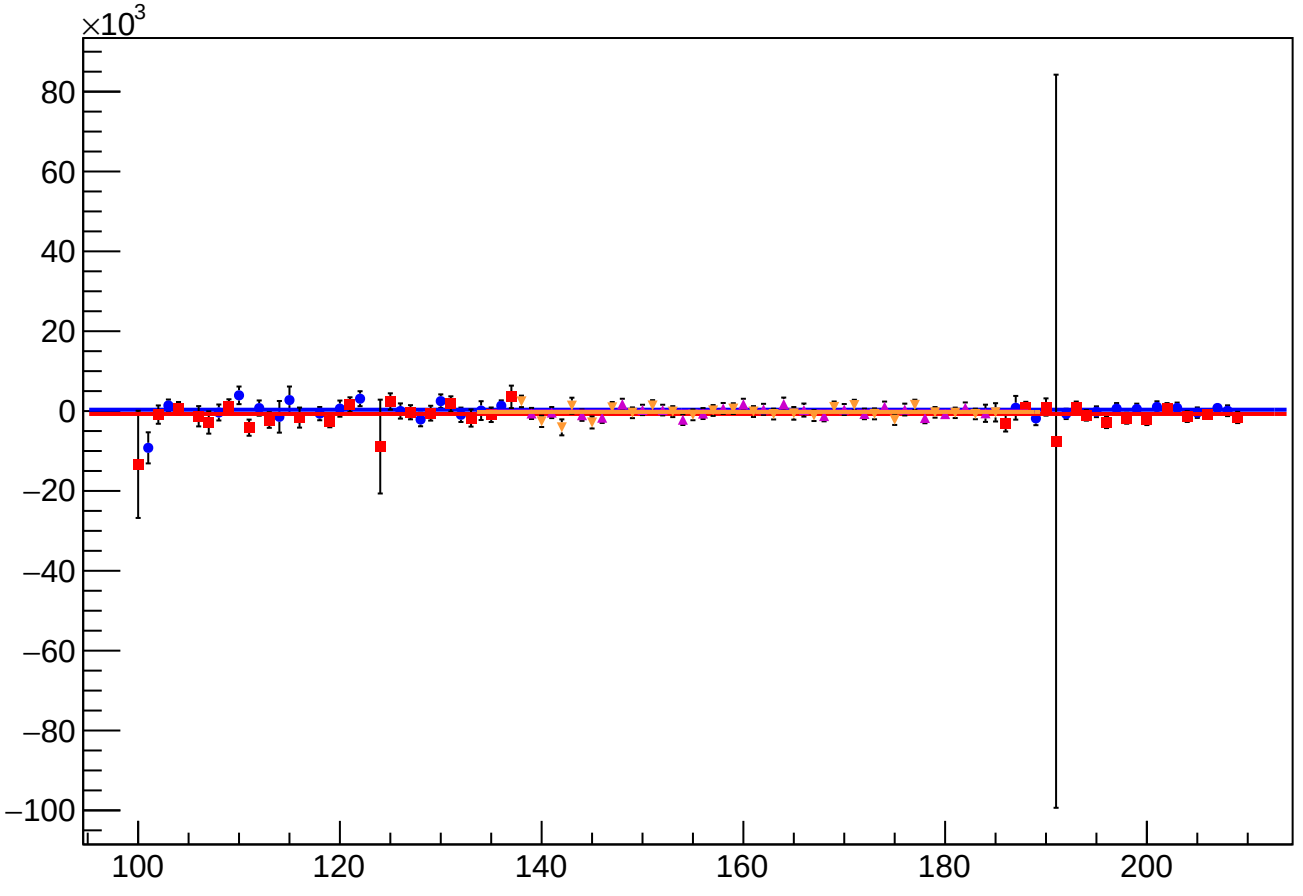
Left: 0.000+/-0.000 χ^2/NDF: 6948707.3/47

Right: 0.000+/-0.000 χ^2/NDF: 27001366.6/58

In: 0.000+/-0.000 χ^2/NDF:15203063.5/49

Out: 0.000+/-0.000 χ^2/NDF:19750314.9/56

All: 0.000+/-0.000 χ^2/NDF: 35074097.5/106



Right In: 344.651+/-318.962 χ^2/NDF: 20.7/26

Left Out: -220.721+/-283.055 χ^2/NDF:23.9/24

Right Out: -726.532+/-311.191 χ^2/NDF: 27.7/31

Left In: -92.402+/-288.217 χ^2/NDF:14.7/22

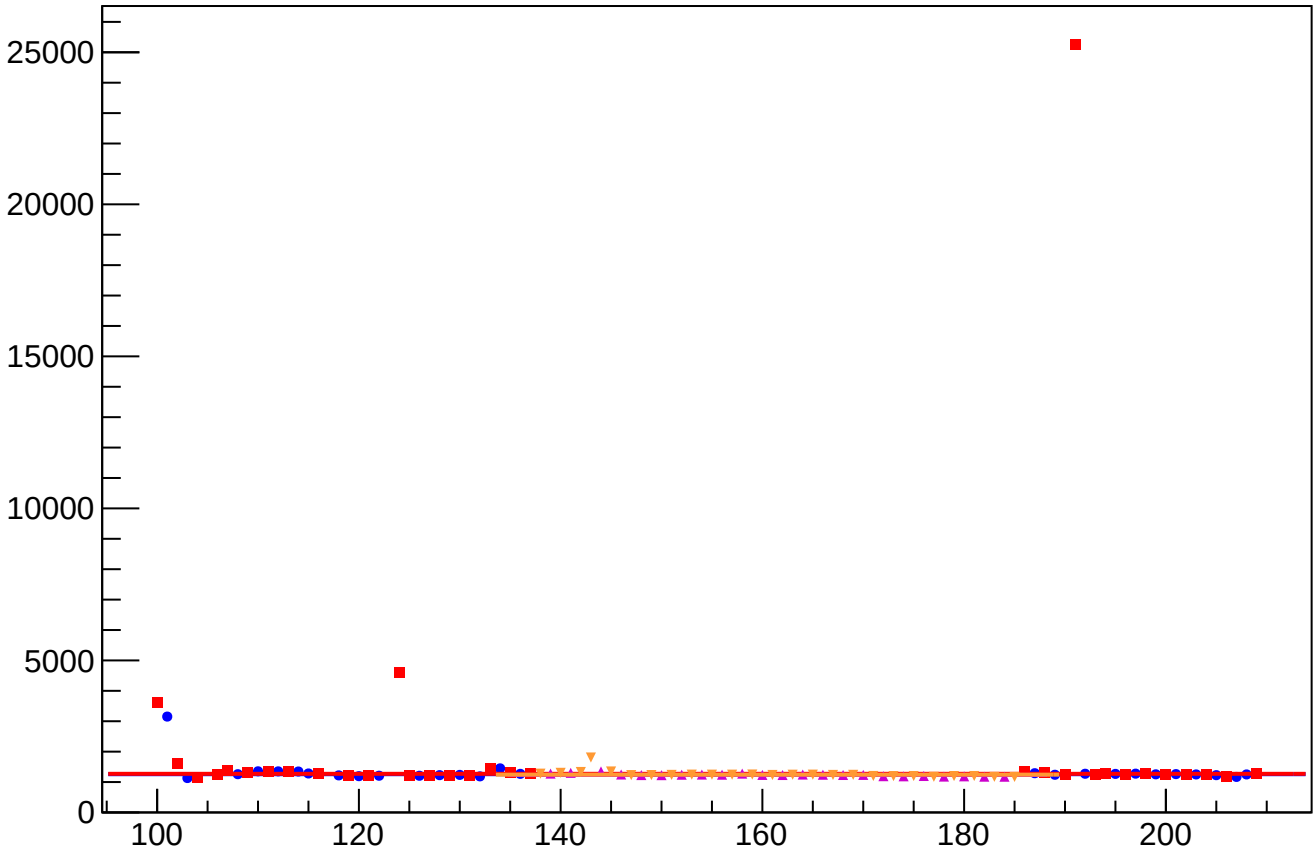
Left: -157.721+/-201.950 χ^2/NDF: 38.7/47

Right: -204.147+/-222.742 χ^2/NDF: 54.2/58

In: 104.051+/-213.846 χ^2/NDF:36.4/49

Out: -449.731+/-209.392 χ^2/NDF:53.1/56

All: -178.667+/-149.612 χ^2/NDF: 92.9/106



Right In: 1258.016+/-0.226 χ^2/NDF: 533914.5/26

Left Out: 1242.825+/-0.200 χ^2/NDF:203299.1/24

Right Out: 1270.643+/-0.220 χ^2/NDF: 486615.6/31

Left In: 1233.752+/-0.204 χ^2/NDF:39281.8/22

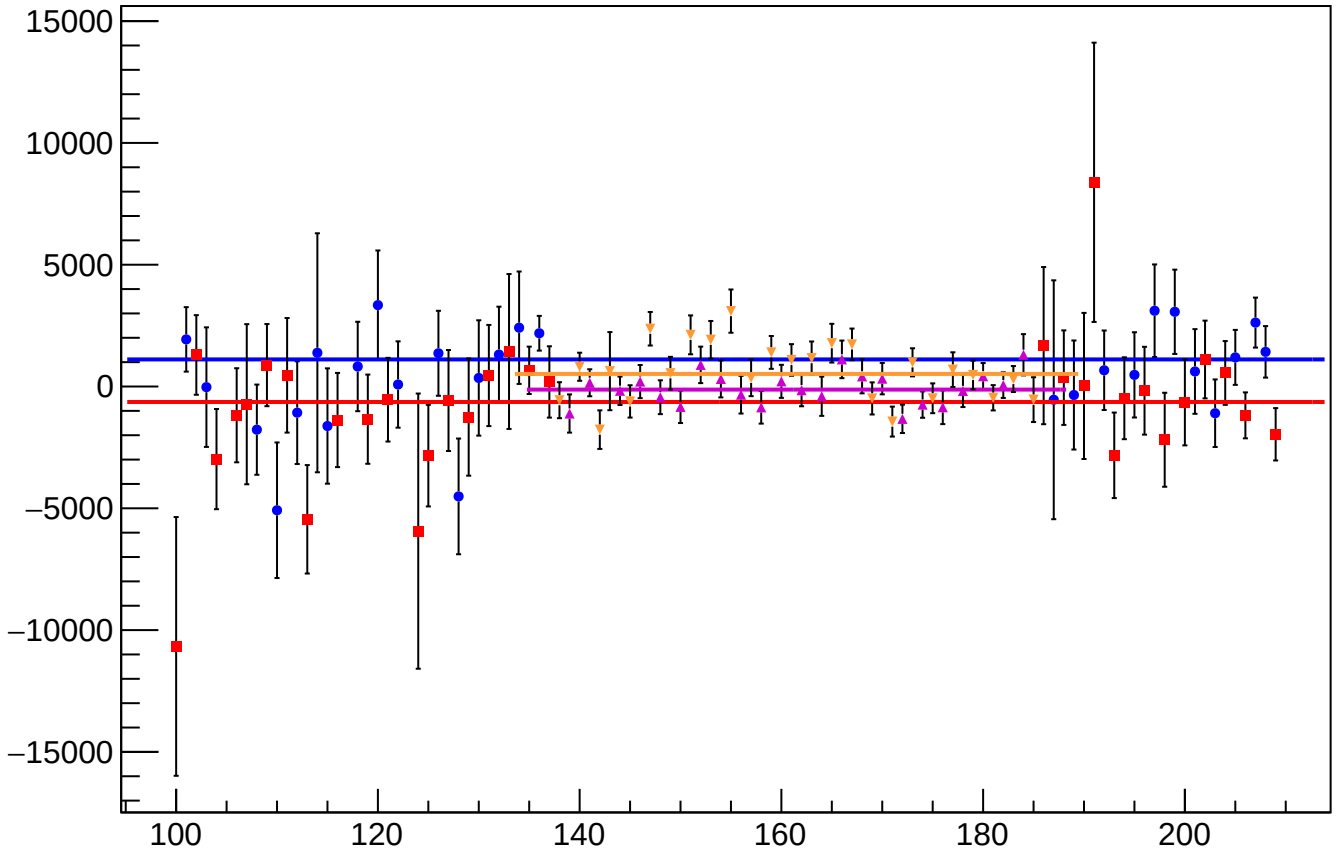
Left: 1238.371+/-0.143 χ^2/NDF: 243589.7/47

Right: 1264.485+/-0.158 χ^2/NDF: 1022136.1/58

In: 1244.659+/-0.151 χ^2/NDF:579567.6/49

Out: 1255.420+/-0.148 χ^2/NDF:698661.1/56

All: 1250.153+/-0.106 χ^2/NDF: 1280814.3/10



Right In: 1112.108+/-307.872 χ^2/NDF: 28.1/26

Left Out: 516.792+/-135.746 χ^2/NDF:67.0/24

Right Out: -635.031+/-312.903 χ^2/NDF: 26.7/31

Left In: -126.569+/-137.266 χ^2/NDF:21.6/22

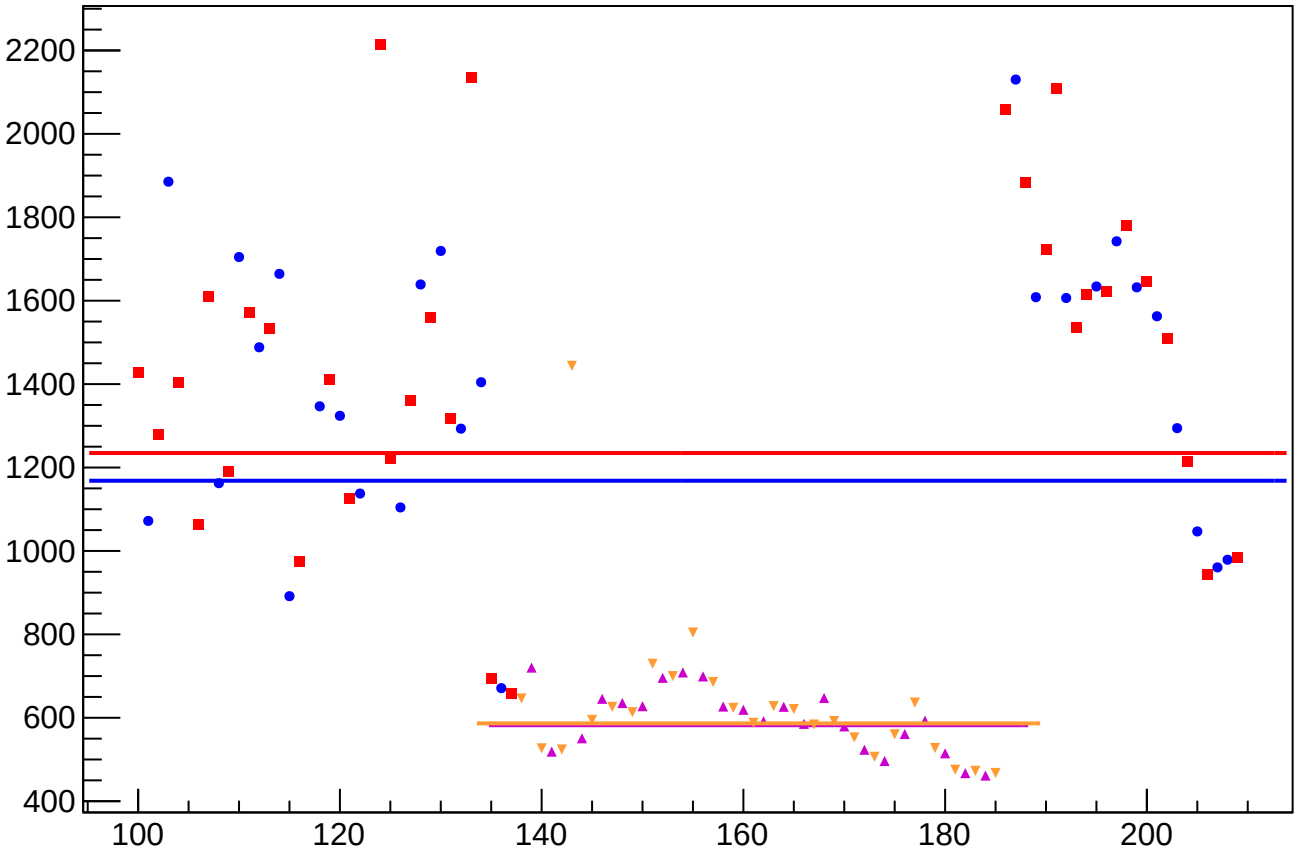
Left: 198.694+/-96.520 χ^2/NDF: 99.7/47

Right: 252.698+/-219.455 χ^2/NDF: 70.6/58

In: 78.833+/-125.370 χ^2/NDF:63.1/49

Out: 334.348+/-124.532 χ^2/NDF:105.1/56

All: 207.447+/-88.352 χ^2/NDF: 170.3/106



Right In: 1168.338+/-0.218 χ^2/NDF: 2625141.7/26

Left Out: 586.557+/-0.096 χ^2/NDF:1202915.7/24

Right Out: 1234.788+/-0.221 χ^2/NDF: 2730712.1/31

Left In: 582.190+/-0.097 χ^2/NDF:559261.3/22

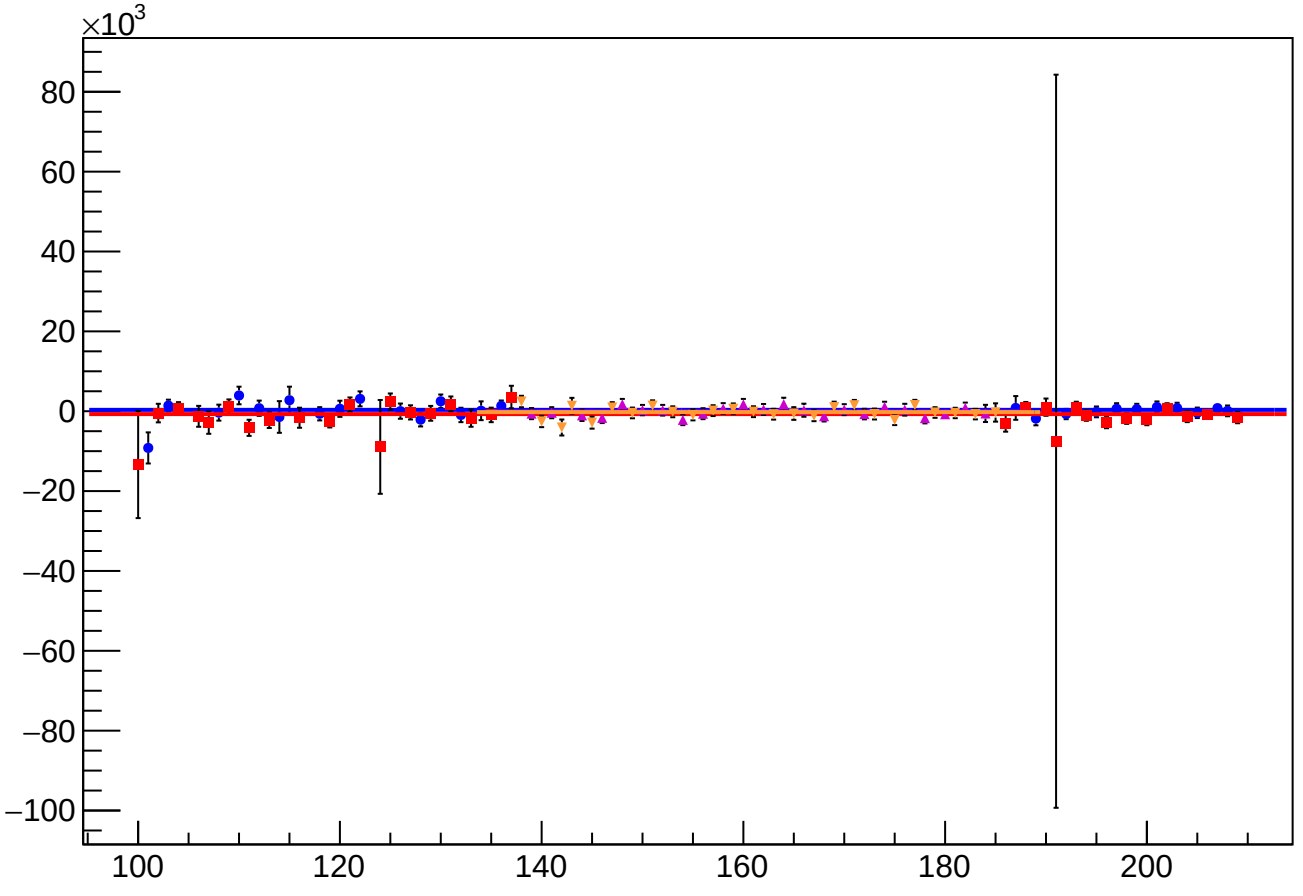
Left: 584.398+/-0.068 χ^2/NDF: 1763200.3/47

Right: 1201.024+/-0.155 χ^2/NDF: 5401684.4/58

In: 679.387+/-0.089 χ^2/NDF:9231712.8/49

Out: 689.234+/-0.088 χ^2/NDF:11157624.3/56

All: 684.344+/-0.062 χ^2/NDF: 20395547.4/10



Right In: 344.856+/-318.962 χ^2/NDF: 20.7/26

Left Out: -220.755+/-283.055 χ^2/NDF:23.9/24

Right Out: -718.246+/-311.413 χ^2/NDF: 27.7/31

Left In: -92.472+/-288.217 χ^2/NDF:14.7/22

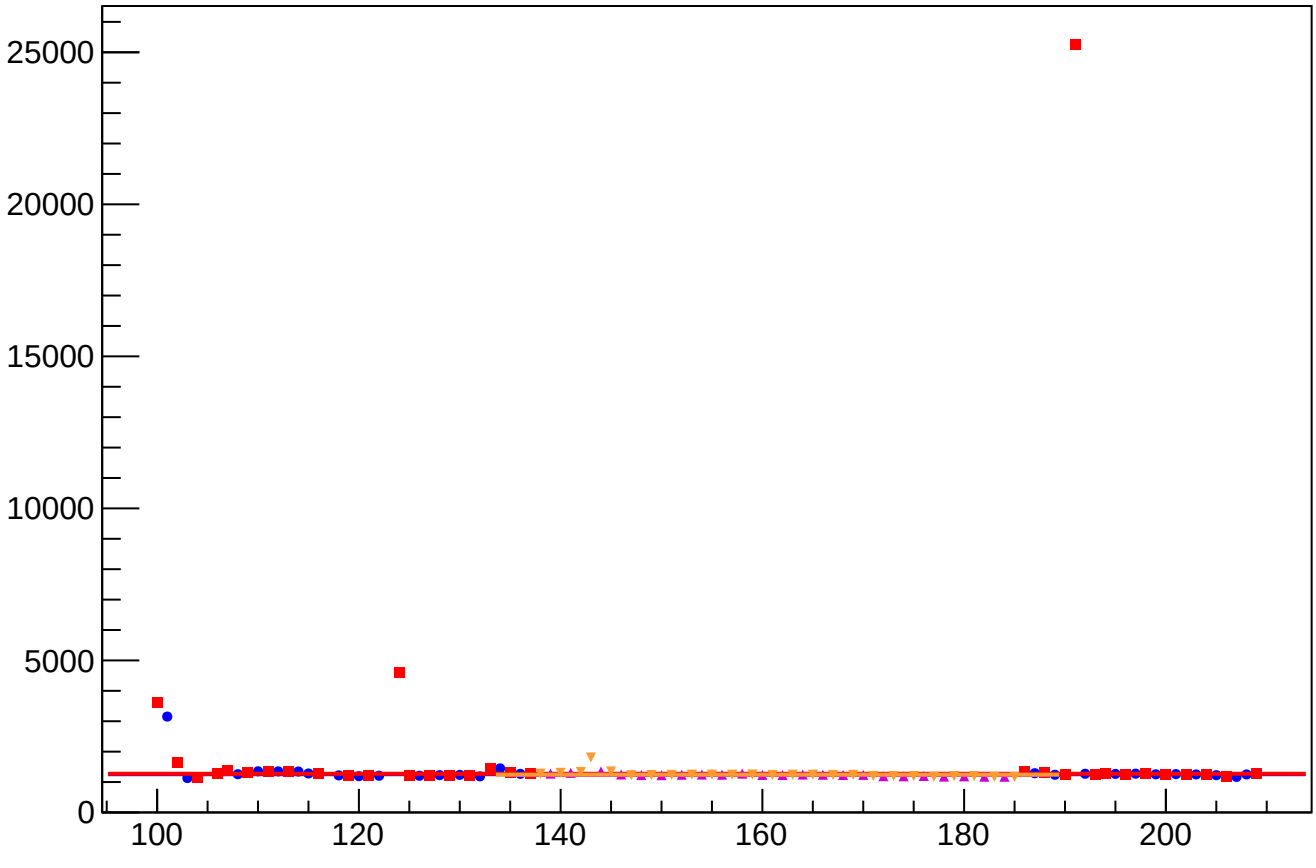
Left: -157.773+/-201.950 χ^2/NDF: 38.7/47

Right: -199.424+/-222.823 χ^2/NDF: 54.1/58

In: 104.104+/-213.846 χ^2/NDF:36.4/49

Out: -445.823+/-209.460 χ^2/NDF:53.1/56

All: -176.557+/-149.637 χ^2/NDF: 92.8/106



Right In: 1258.016+/-0.226 χ^2/NDF: 533915.9/26

Left Out: 1242.825+/-0.200 χ^2/NDF:203299.1/24

Right Out: 1271.585+/-0.220 χ^2/NDF: 493758.1/31

Left In: 1233.752+/-0.204 χ^2/NDF:39281.7/22

Left: 1238.371+/-0.143 χ^2/NDF: 243589.6/47

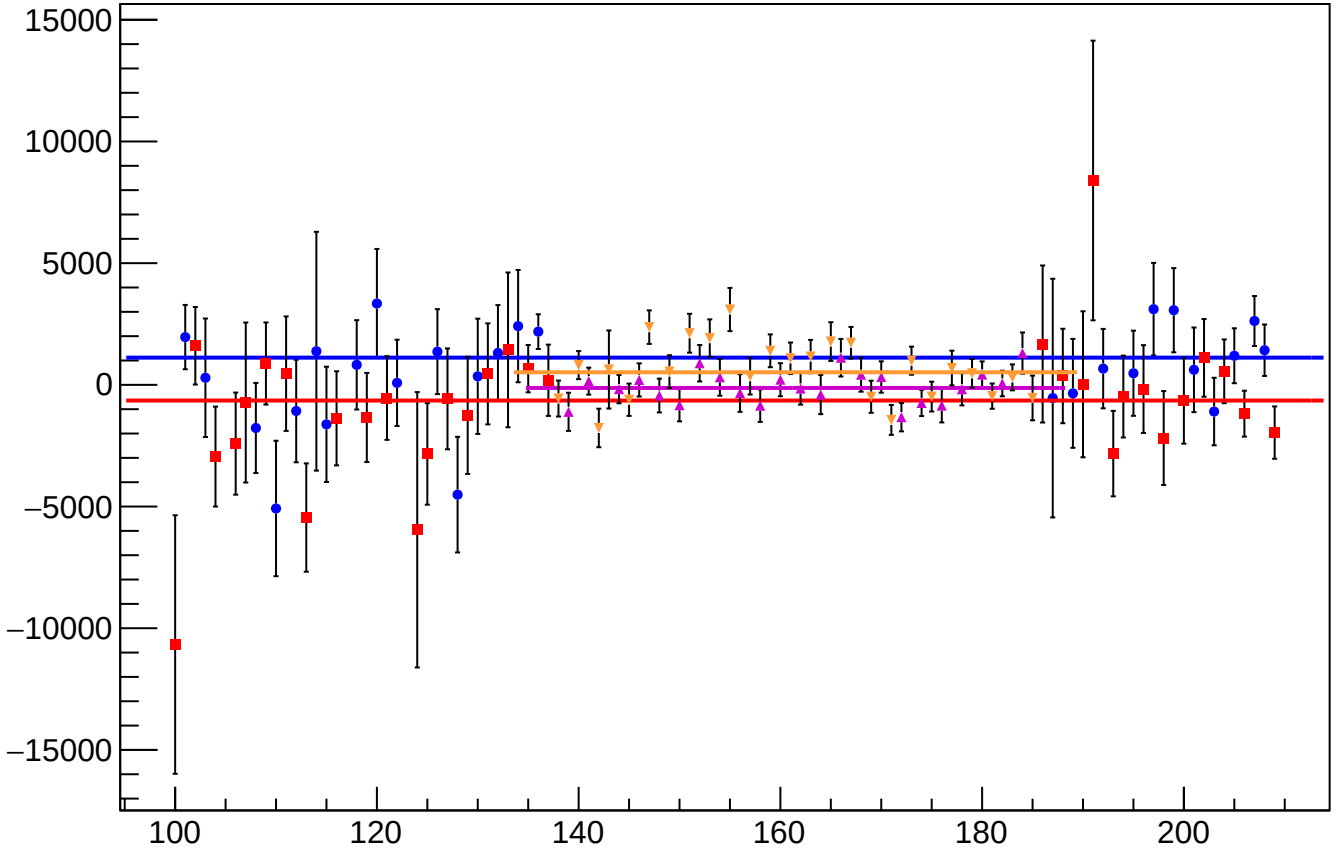
Right: 1264.963+/-0.158 χ^2/NDF: 1029527.1/58

In: 1244.659+/-0.151 χ^2/NDF:579568.9/49

Out: 1255.836+/-0.148 χ^2/NDF:706398.4/56

All: 1250.363+/-0.106 χ^2/NDF: 1288755.9/10

asym_atl_dd_atr_dd_dd_cor_correction_mean vs Slug, Sign Corrected



Right In: 1118.543+/-307.805 χ^2/NDF: 28.0/26

Left Out: 516.811+/-135.747 χ^2/NDF:67.0/24

Right Out: -644.003+/-313.211 χ^2/NDF: 27.9/31

Left In: -126.549+/-137.266 χ^2/NDF:21.6/22

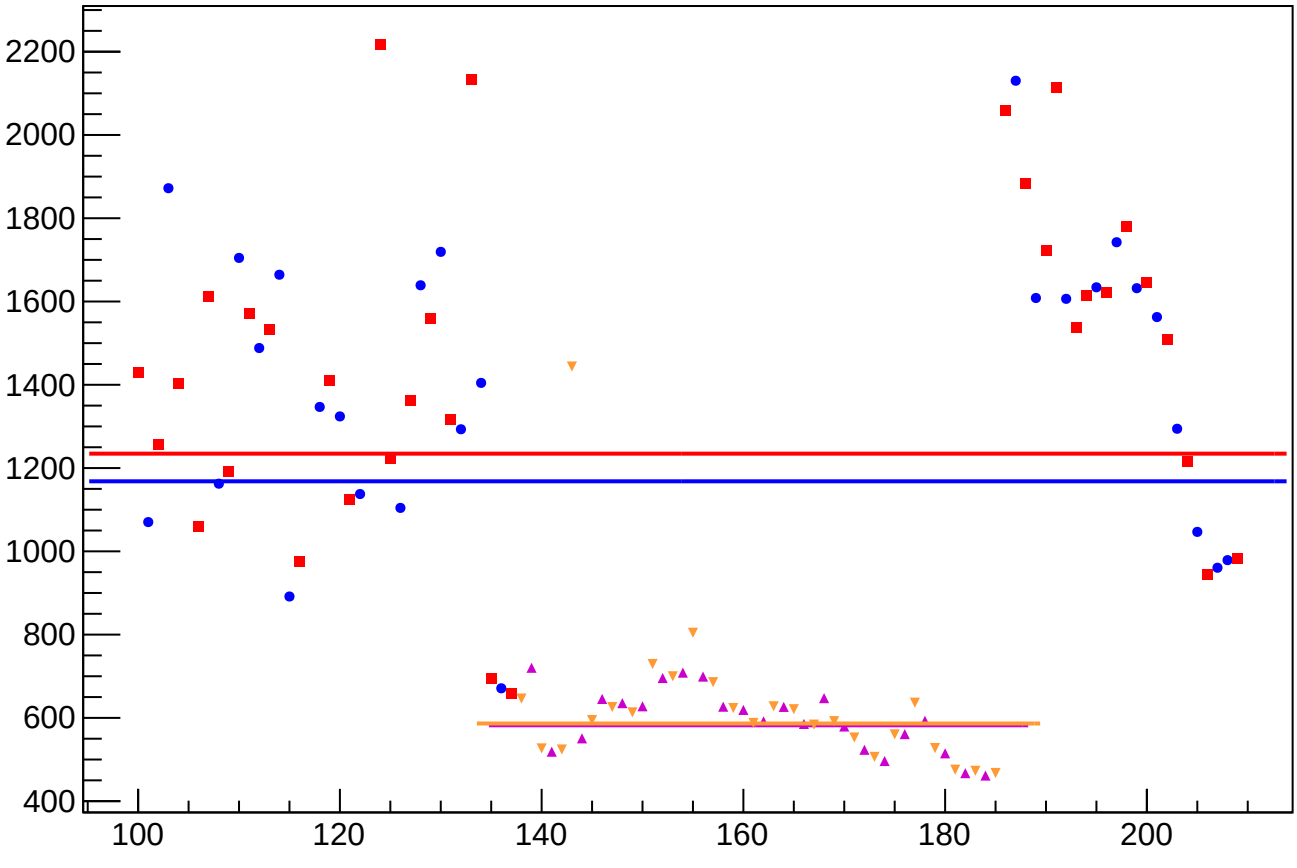
Left: 198.710+/-96.520 χ^2/NDF: 99.7/47

Right: 252.614+/-219.537 χ^2/NDF: 72.0/58

In: 79.990+/-125.365 χ^2/NDF:63.2/49

Out: 333.246+/-124.552 χ^2/NDF:106.5/56

All: 207.442+/-88.358 χ^2/NDF: 171.7/106



Right In: 1168.199+/-0.218 χ^2/NDF: 2622083.1/26

Left Out: 586.562+/-0.096 χ^2/NDF:1202822.0/24

Right Out: 1234.618+/-0.221 χ^2/NDF: 2728069.3/31

Left In: 582.189+/-0.097 χ^2/NDF:559258.0/22

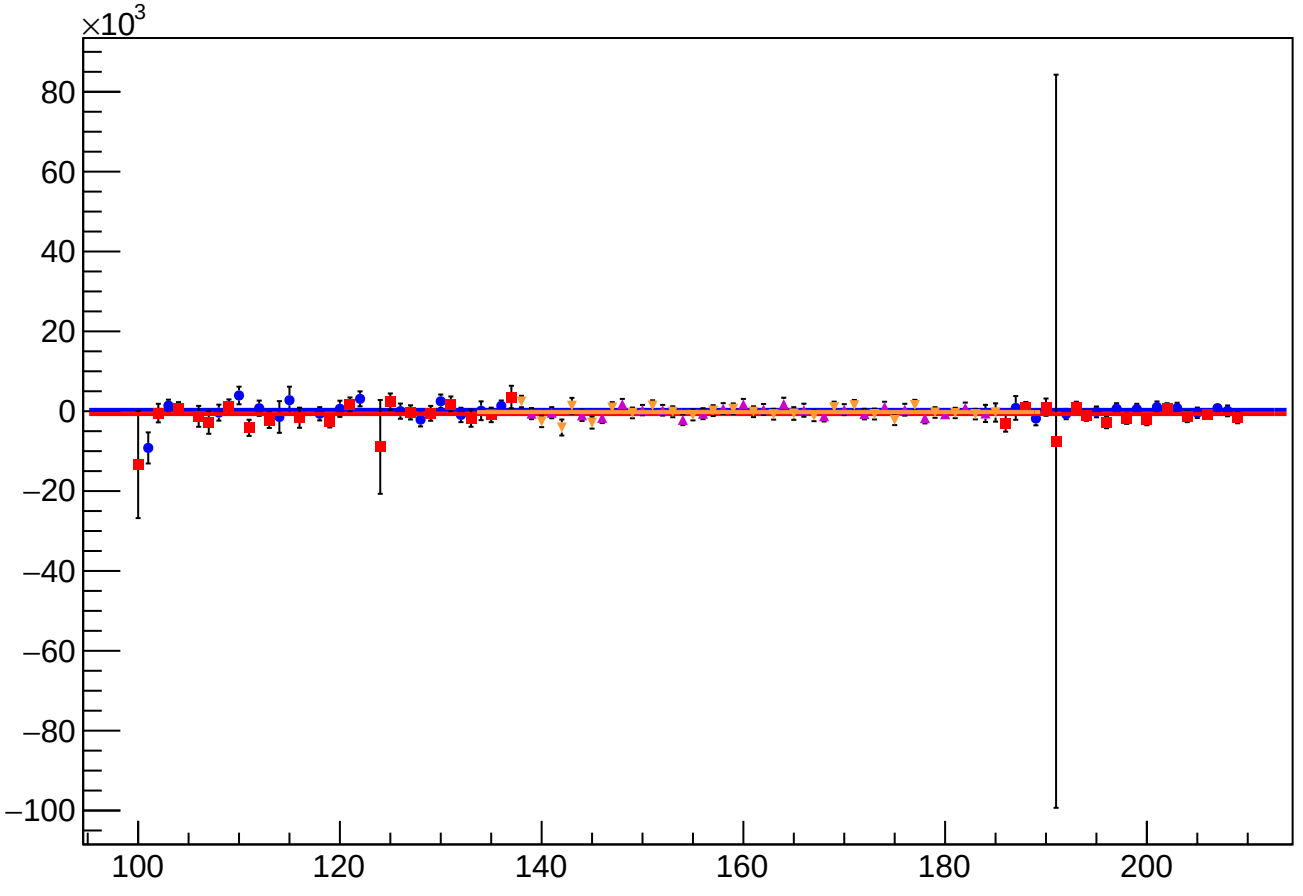
Left: 584.400+/-0.068 χ^2/NDF: 1763106.4/47

Right: 1200.830+/-0.155 χ^2/NDF: 5395904.0/58

In: 679.398+/-0.089 χ^2/NDF:9228036.0/49

Out: 689.042+/-0.088 χ^2/NDF:11139035.5/56

All: 684.251+/-0.062 χ^2/NDF: 20373028.6/10



Right In: 344.856+/-318.962 χ^2/NDF: 20.7/26

Left Out: -220.755+/-283.055 χ^2/NDF:23.9/24

Right Out: -718.246+/-311.413 χ^2/NDF: 27.7/31

Left In: -92.472+/-288.217 χ^2/NDF:14.7/22

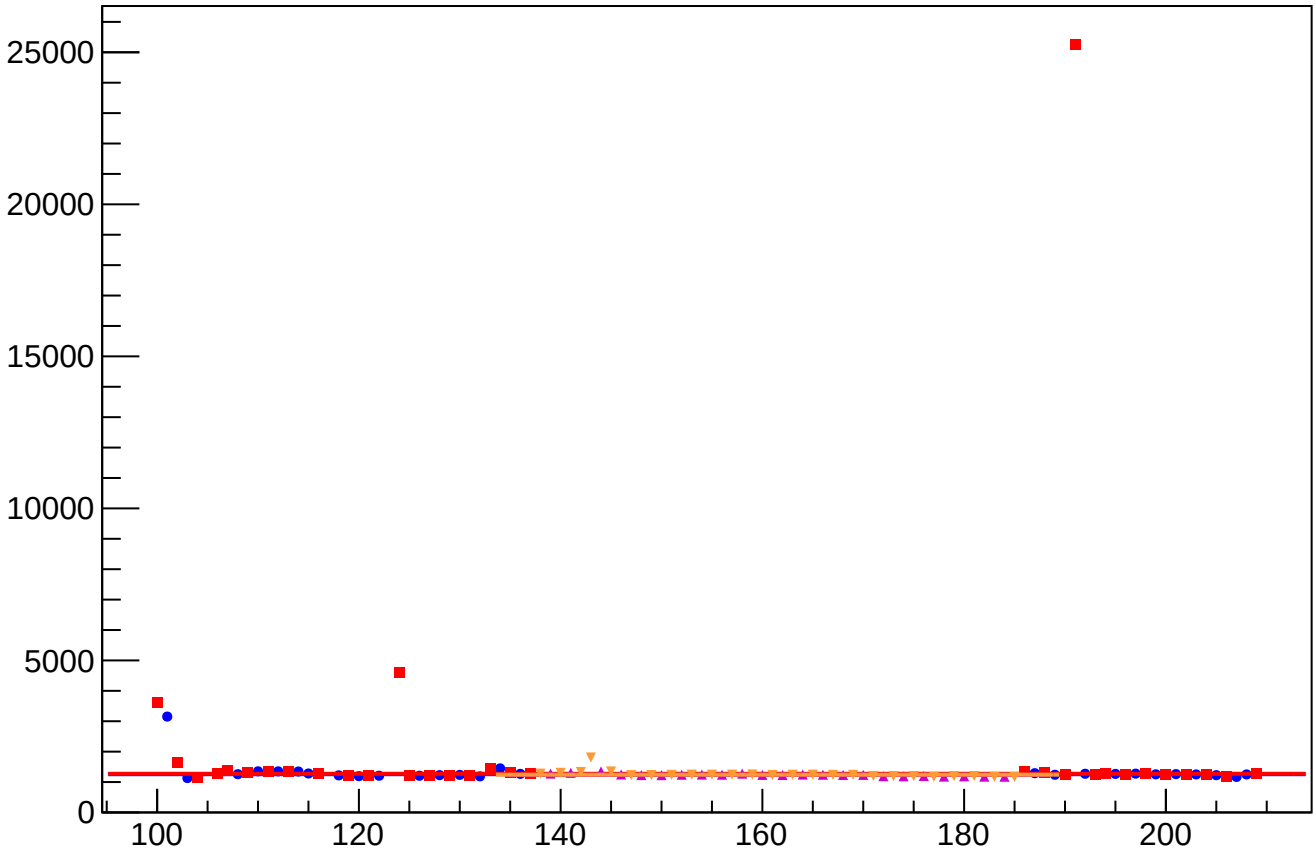
Left: -157.773+/-201.950 χ^2/NDF: 38.7/47

Right: -199.424+/-222.823 χ^2/NDF: 54.1/58

In: 104.104+/-213.846 χ^2/NDF:36.4/49

Out: -445.823+/-209.460 χ^2/NDF:53.1/56

All: -176.557+/-149.637 χ^2/NDF: 92.8/106



Right In: 1258.016+/-0.226 χ^2/NDF: 533915.9/26

Left Out: 1242.825+/-0.200 χ^2/NDF:203299.1/24

Right Out: 1271.585+/-0.220 χ^2/NDF: 493758.1/31

Left In: 1233.752+/-0.204 χ^2/NDF:39281.7/22

Left: 1238.371+/-0.143 χ^2/NDF: 243589.6/47

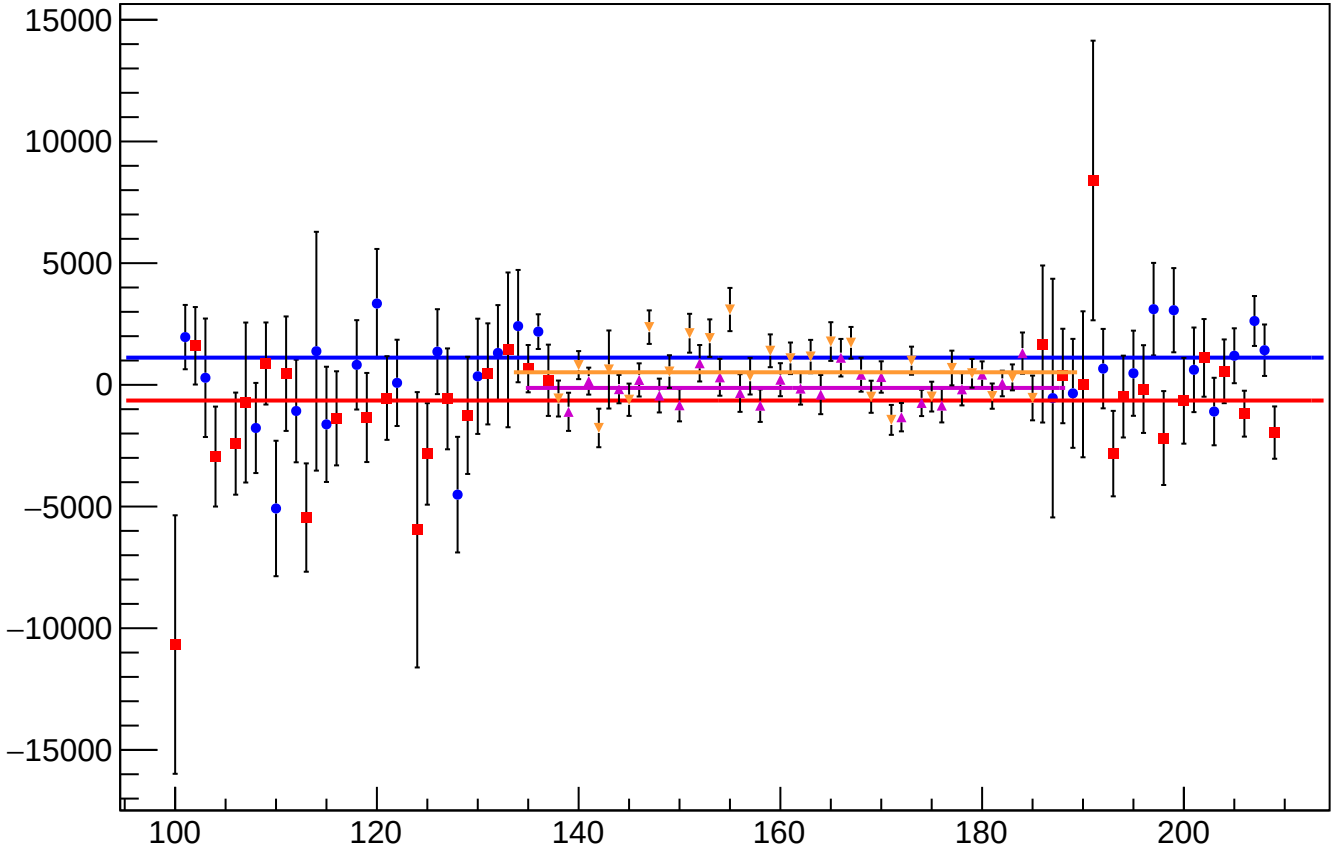
Right: 1264.963+/-0.158 χ^2/NDF: 1029527.1/58

In: 1244.659+/-0.151 χ^2/NDF:579568.9/49

Out: 1255.836+/-0.148 χ^2/NDF:706398.4/56

All: 1250.363+/-0.106 χ^2/NDF: 1288755.9/10

asym_atl_dd_atr_dd_dd_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: 1118.543+/-307.805 χ^2/NDF: 28.0/26

Left Out: 516.811+/-135.747 χ^2/NDF:67.0/24

Right Out: -644.003+/-313.211 χ^2/NDF: 27.9/31

Left In: -126.549+/-137.266 χ^2/NDF:21.6/22

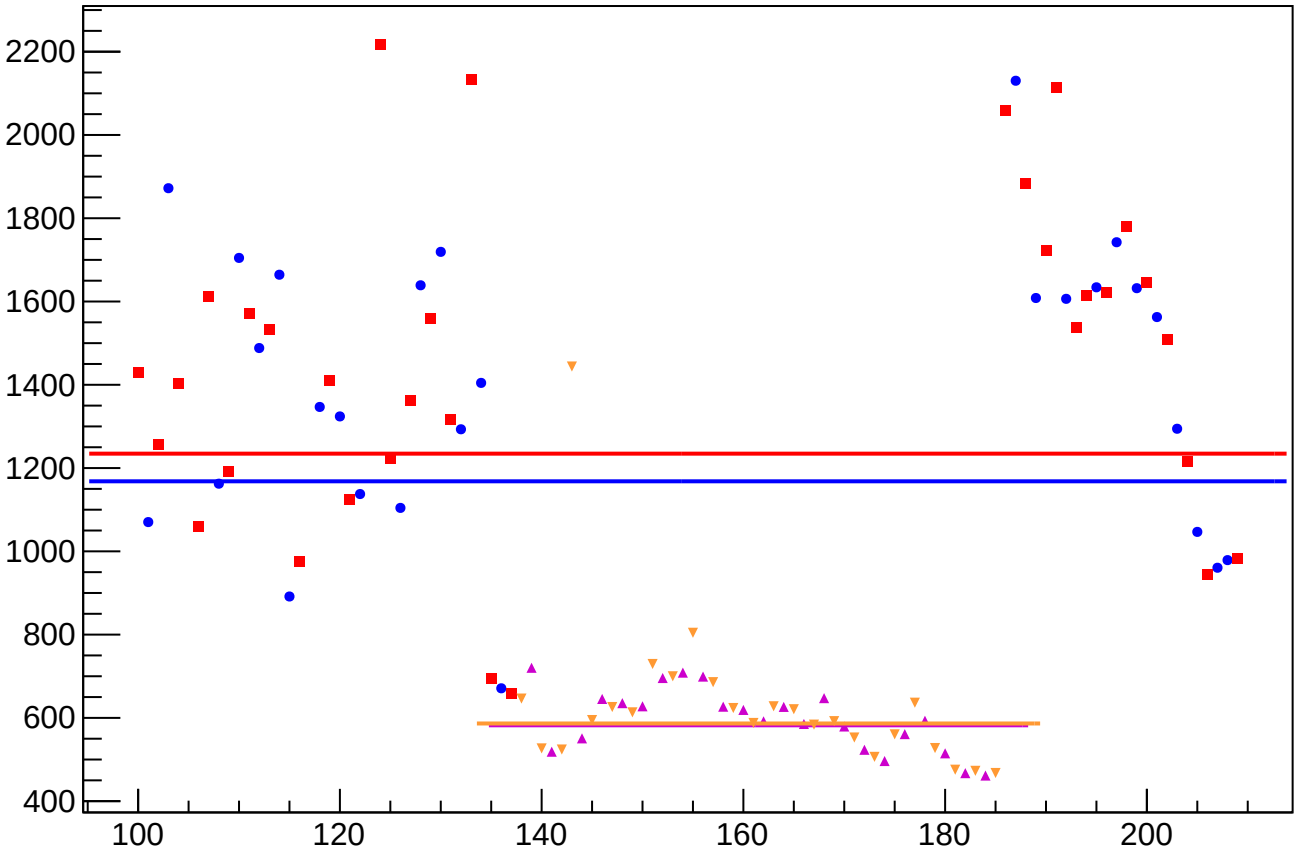
Left: 198.710+/-96.520 χ^2/NDF: 99.7/47

Right: 252.614+/-219.537 χ^2/NDF: 72.0/58

In: 79.990+/-125.365 χ^2/NDF:63.2/49

Out: 333.246+/-124.552 χ^2/NDF:106.5/56

All: 207.442+/-88.358 χ^2/NDF: 171.7/106



Right In: 1168.199+/-0.218 χ^2/NDF: 2622083.1/26

Left Out: 586.562+/-0.096 χ^2/NDF:1202822.0/24

Right Out: 1234.618+/-0.221 χ^2/NDF: 2728069.3/31

Left In: 582.189+/-0.097 χ^2/NDF:559258.0/22

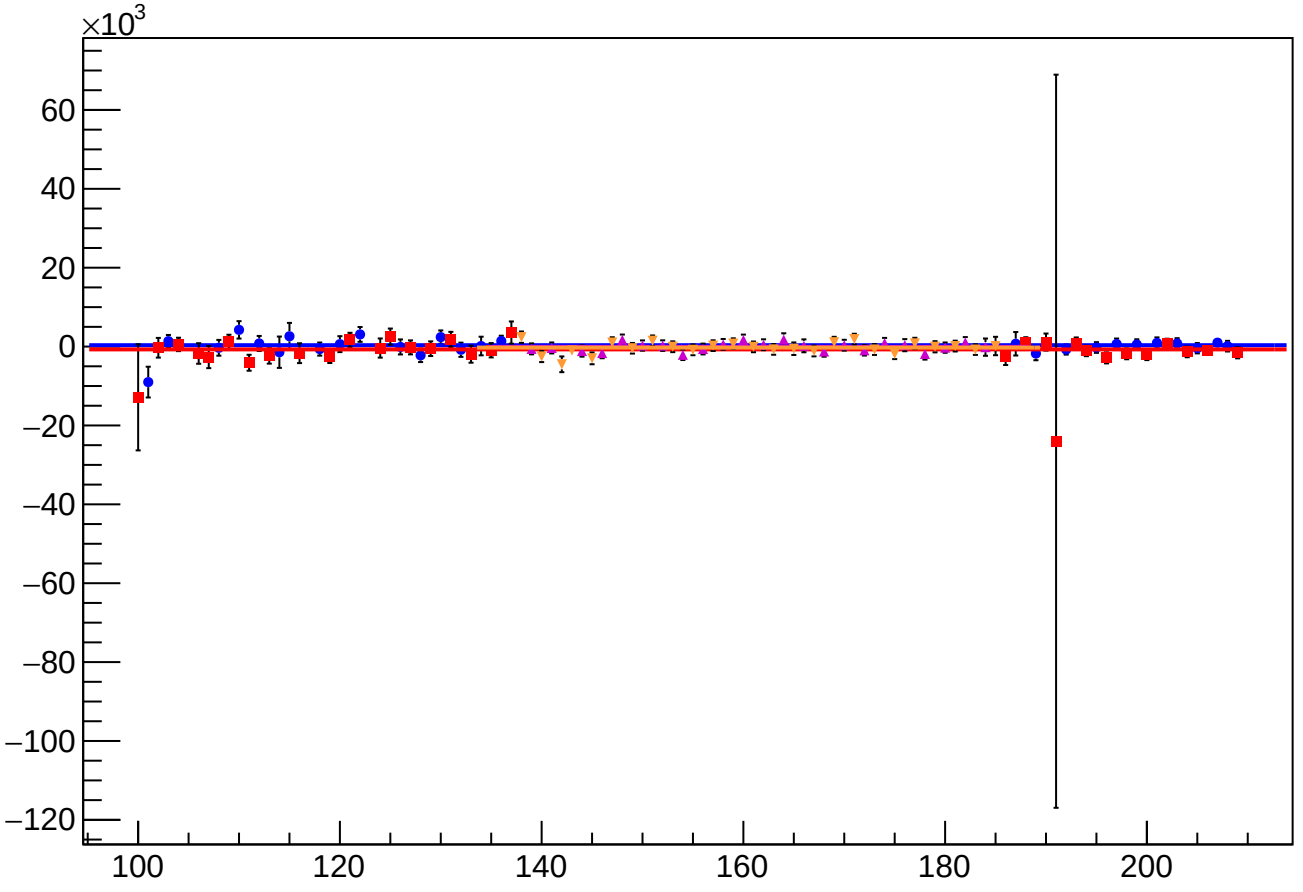
Left: 584.400+/-0.068 χ^2/NDF: 1763106.4/47

Right: 1200.830+/-0.155 χ^2/NDF: 5395904.0/58

In: 679.398+/-0.089 χ^2/NDF:9228036.0/49

Out: 689.042+/-0.088 χ^2/NDF:11139035.5/56

All: 684.251+/-0.062 χ^2/NDF: 20373028.6/10



Right In: 348.461+/-320.076 χ^2/NDF: 20.8/26

Left Out: -250.849+/-279.923 χ^2/NDF:24.0/24

Right Out: -716.571+/-310.600 χ^2/NDF: 27.2/31

Left In: -74.881+/-291.458 χ^2/NDF:14.0/22

Left: -166.416+/-201.890 χ^2/NDF: 38.2/47

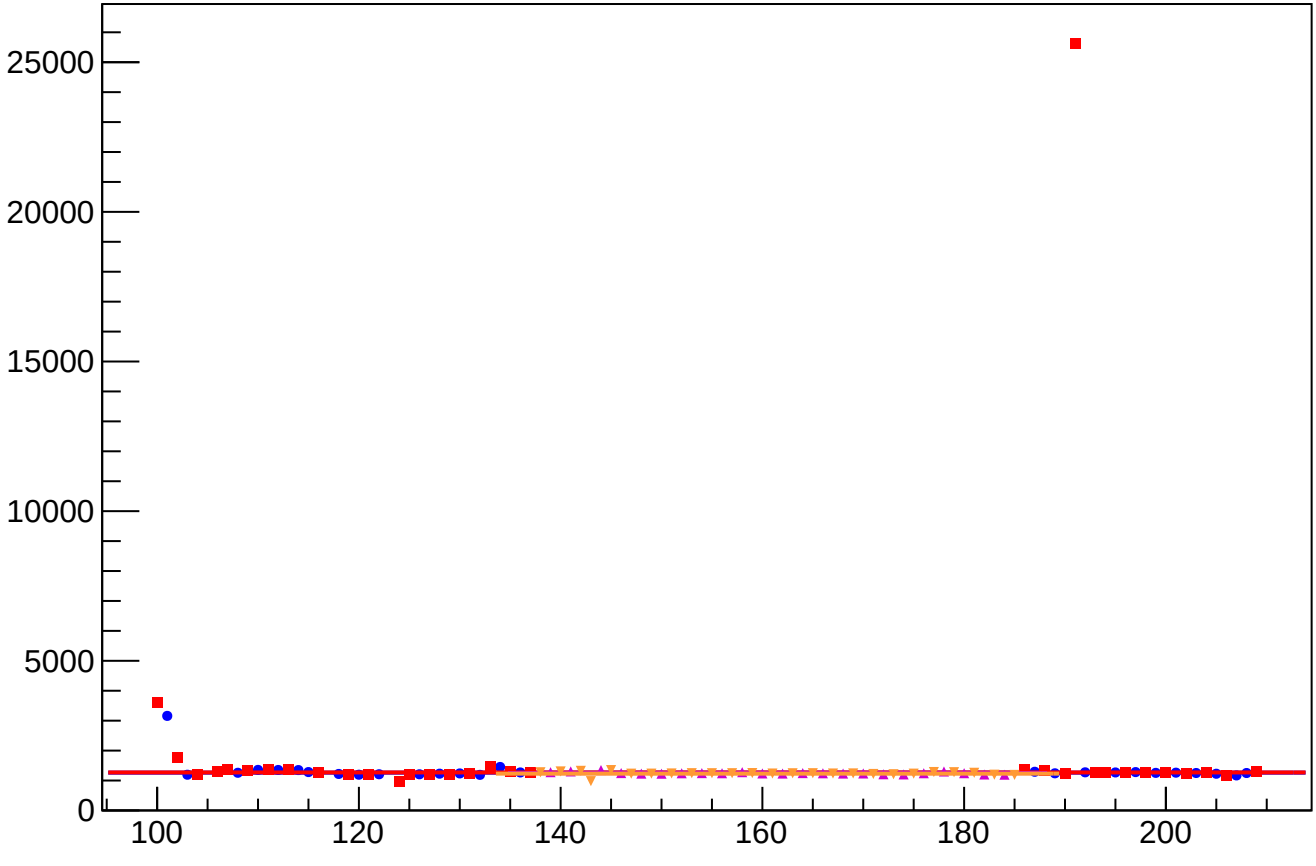
Right: -200.054+/-222.902 χ^2/NDF: 53.7/58

In: 117.022+/-215.501 χ^2/NDF:35.8/49

Out: -459.581+/-207.938 χ^2/NDF:52.5/56

All: -181.575+/-149.636 χ^2/NDF: 92.0/106

dit_asym_atl_dd_atr_dd_dd_rms vs Slug, Sign Corrected



Right In: 1262.595+/-0.226 χ^2/NDF: 523974.4/26

Left Out: 1229.986+/-0.198 χ^2/NDF:141607.5/24

Right Out: 1269.965+/-0.220 χ^2/NDF: 385044.5/31

Left In: 1247.785+/-0.206 χ^2/NDF:27340.8/22

Left: 1238.526+/-0.143 χ^2/NDF: 172828.2/47

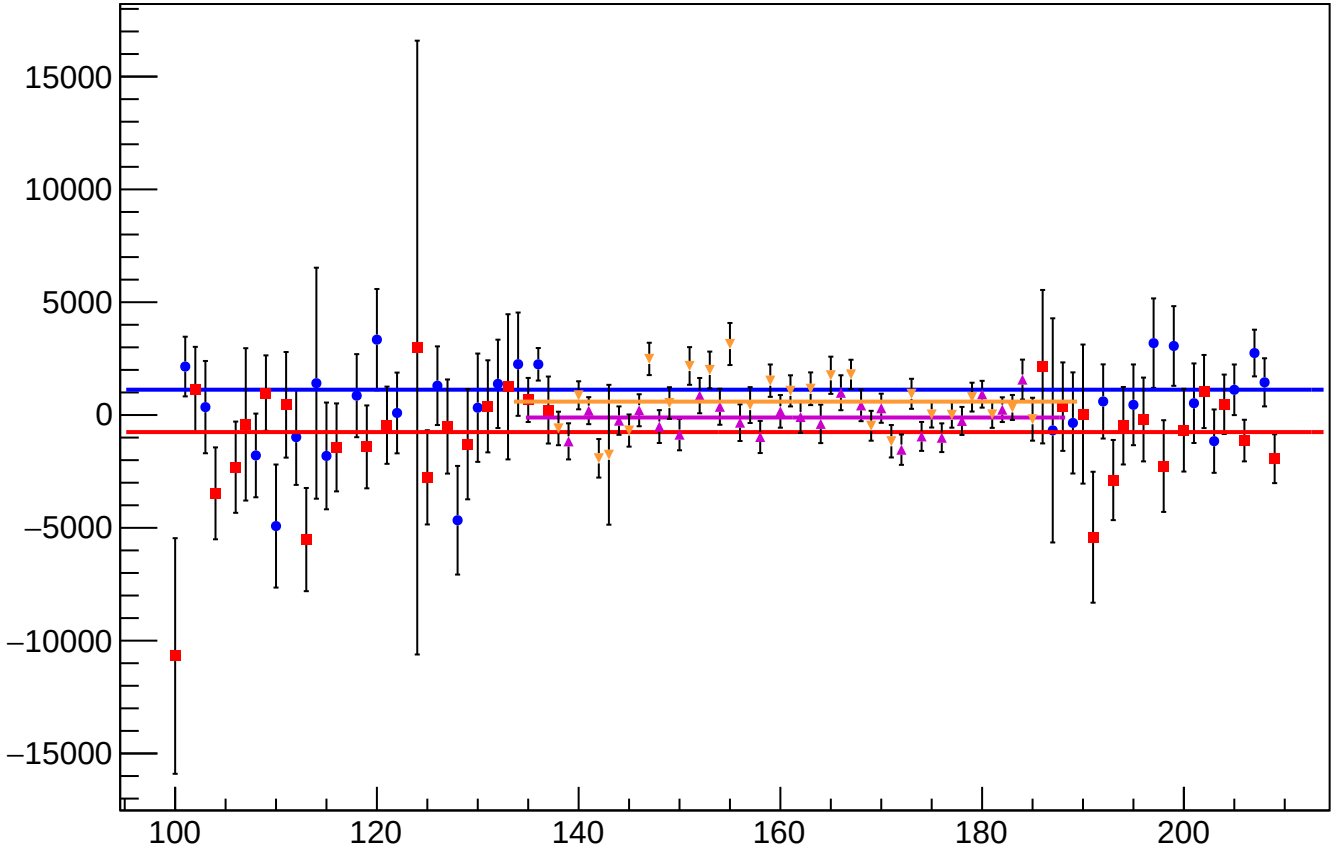
Right: 1266.390+/-0.158 χ^2/NDF: 909565.1/58

In: 1254.498+/-0.152 χ^2/NDF:553655.9/49

Out: 1247.904+/-0.147 χ^2/NDF:544936.1/56

All: 1251.084+/-0.106 χ^2/NDF: 1099561.8/10

asym_atl_dd_atr_dd_dd_dit_correction_mean vs Slug, Sign Corrected



Right In: 1122.509+/-309.127 χ^2/NDF: 29.0/26

Left Out: 595.000+/-142.130 χ^2/NDF:57.3/24

Right Out: -755.952+/-315.740 χ^2/NDF: 26.5/31

Left In: -110.252+/-144.232 χ^2/NDF:25.7/22

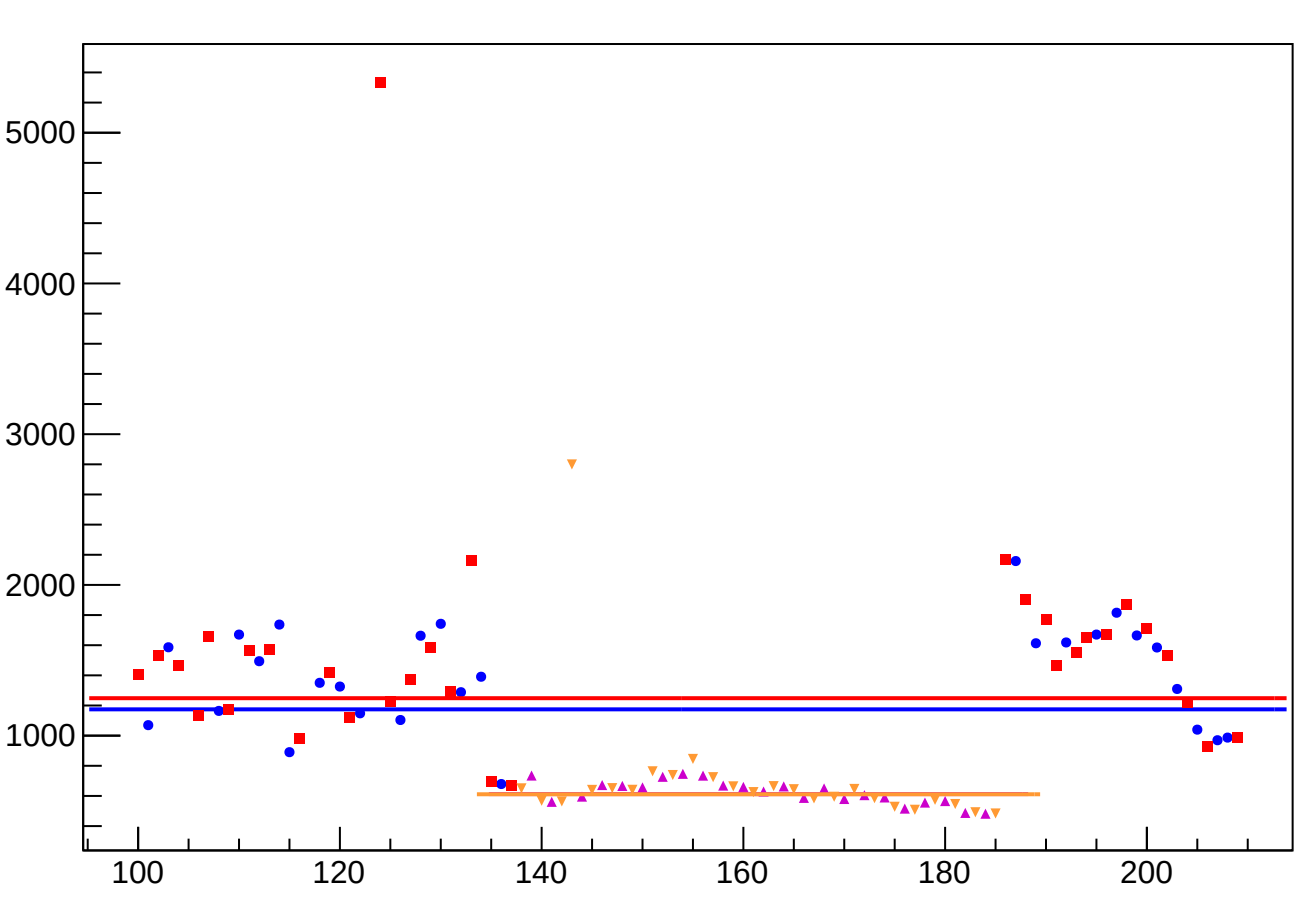
Left: 247.550+/-101.236 χ^2/NDF: 95.2/47

Right: 203.154+/-220.887 χ^2/NDF: 73.6/58

In: 110.138+/-130.705 χ^2/NDF:67.8/49

Out: 367.374+/-129.605 χ^2/NDF:99.1/56

All: 239.843+/-92.031 χ^2/NDF: 168.8/106



Right In: 1174.511+/-0.219 χ^2/NDF: 2565824.2/26

Left Out: 611.087+/-0.101 χ^2/NDF:1619322.3/24

Right Out: 1248.462+/-0.223 χ^2/NDF: 3024179.3/31

Left In: 612.399+/-0.102 χ^2/NDF:508595.4/22

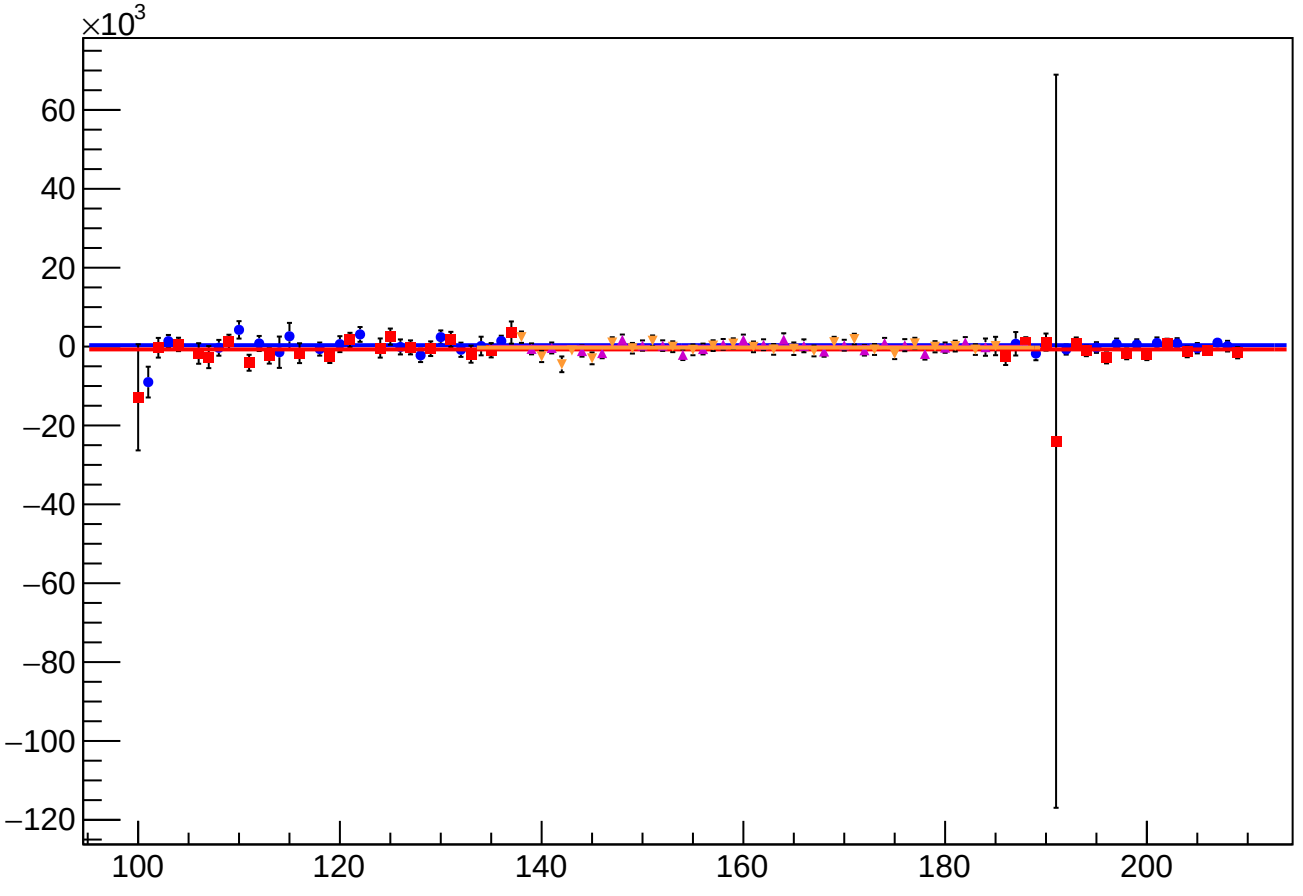
Left: 611.733+/-0.072 χ^2/NDF: 2128001.7/47

Right: 1210.704+/-0.156 χ^2/NDF: 5646020.4/58

In: 712.892+/-0.092 χ^2/NDF:8505206.1/49

Out: 718.480+/-0.092 χ^2/NDF:11420350.9/56

All: 715.709+/-0.065 χ^2/NDF: 19927400.4/10



Right In: 348.460+/-320.076 χ^2/NDF: 20.8/26

Left Out: -250.851+/-279.923 χ^2/NDF:24.0/24

Right Out: -716.571+/-310.600 χ^2/NDF: 27.2/31

Left In: -74.881+/-291.458 χ^2/NDF:14.0/22

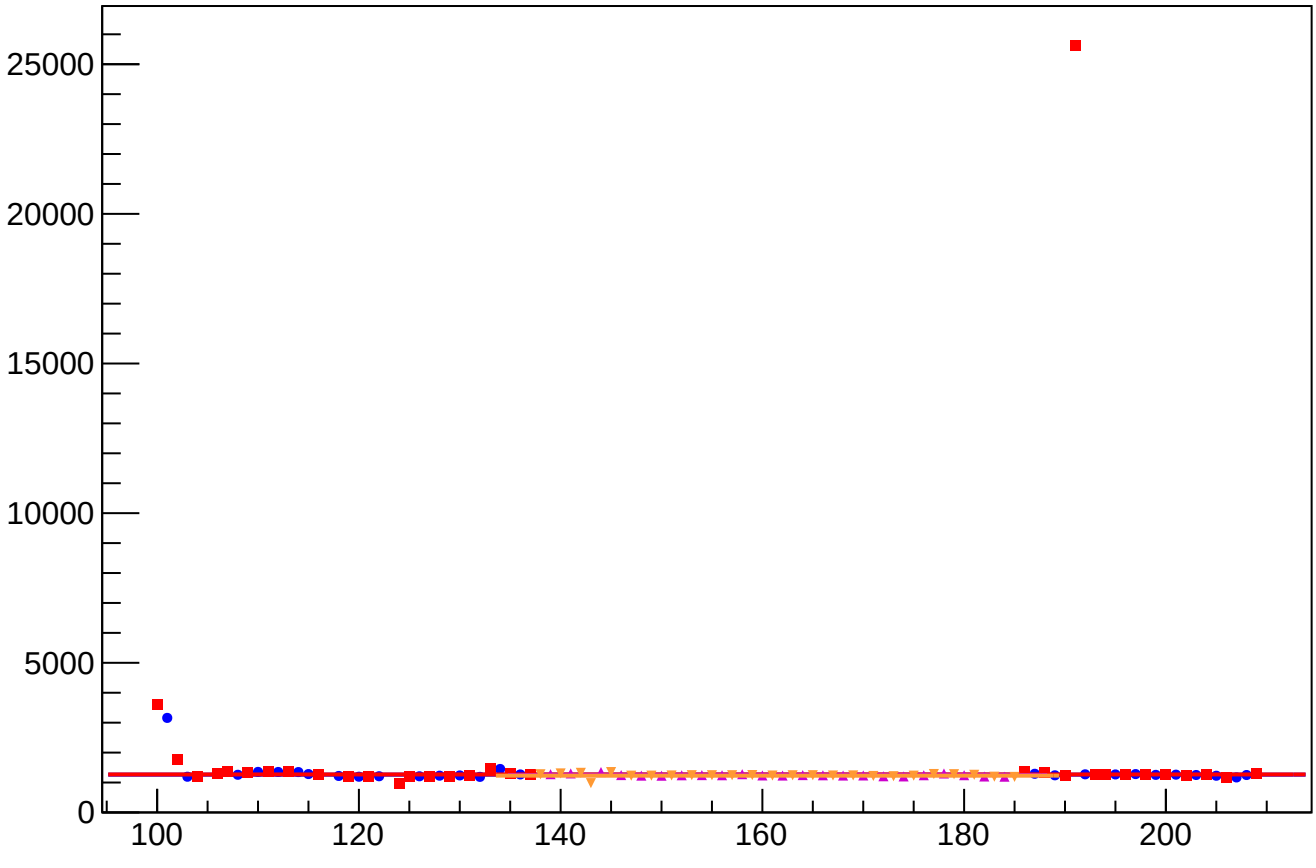
Left: -166.417+/-201.890 χ^2/NDF: 38.2/47

Right: -200.054+/-222.902 χ^2/NDF: 53.7/58

In: 117.021+/-215.501 χ^2/NDF:35.8/49

Out: -459.582+/-207.938 χ^2/NDF:52.5/56

All: -181.576+/-149.636 χ^2/NDF: 92.0/106



Right In: 1262.595+/-0.226 χ^2/NDF: 523974.5/26

Left Out: 1229.986+/-0.198 χ^2/NDF:141606.6/24

Right Out: 1269.965+/-0.220 χ^2/NDF: 385044.3/31

Left In: 1247.785+/-0.206 χ^2/NDF:27340.7/22

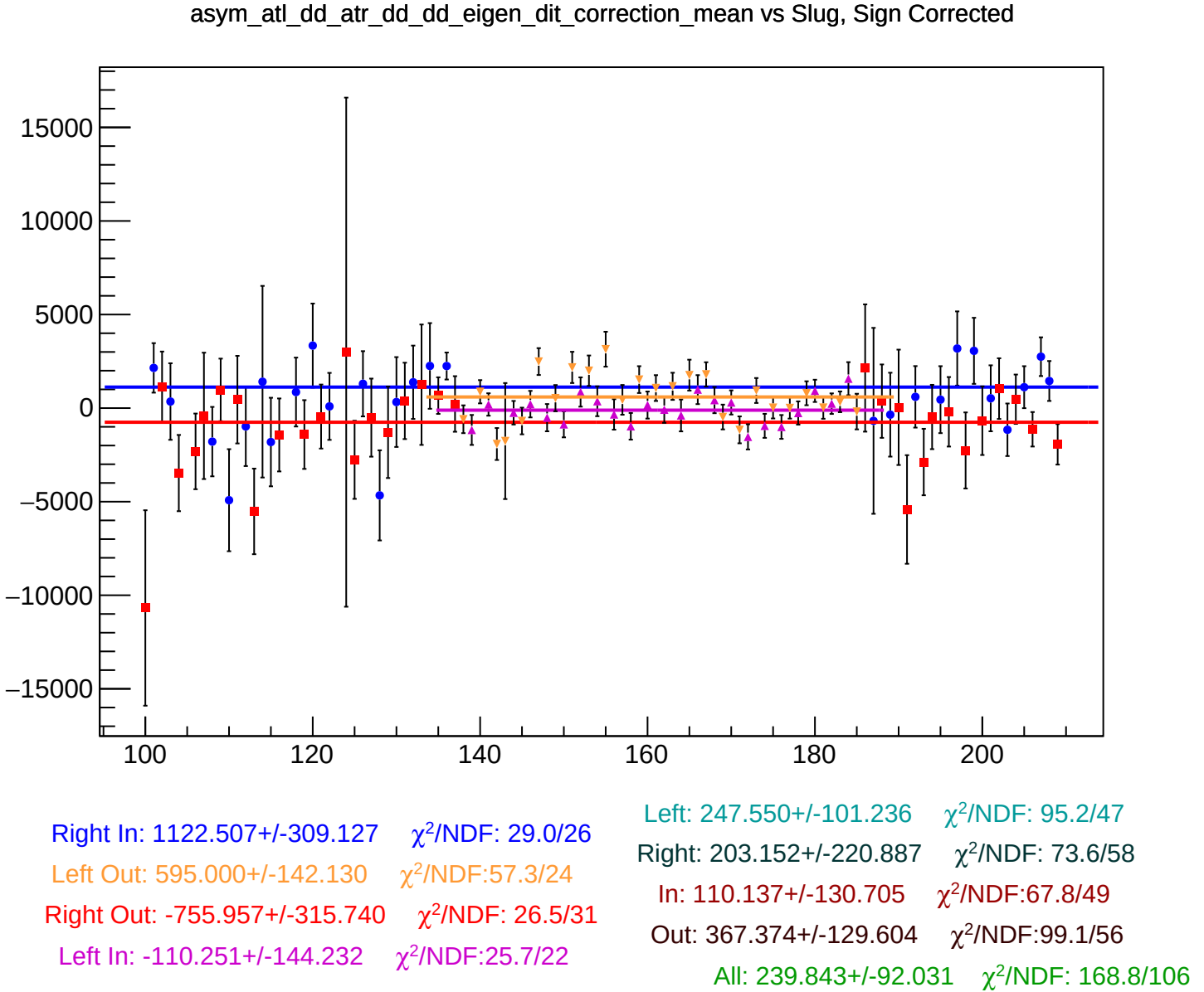
Left: 1238.526+/-0.143 χ^2/NDF: 172827.1/47

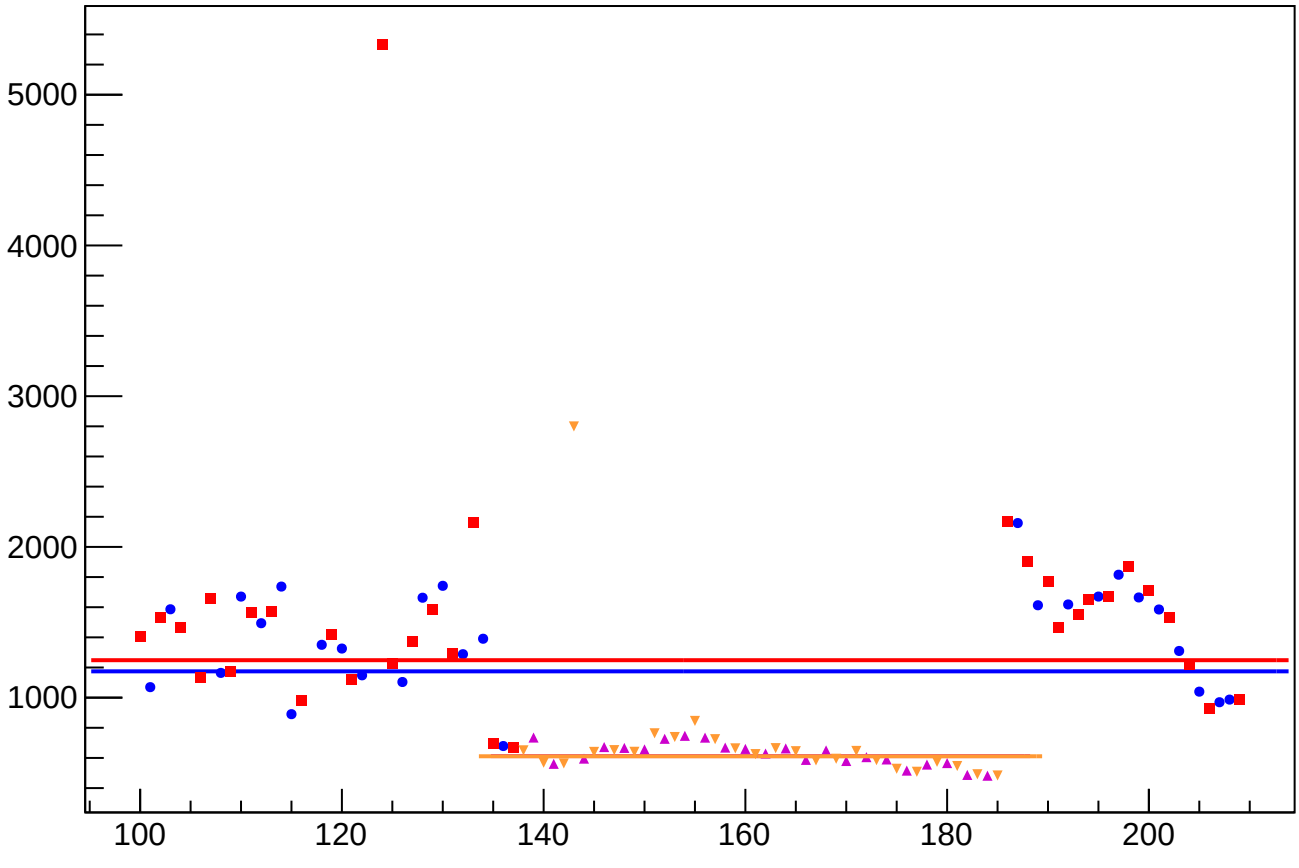
Right: 1266.390+/-0.158 χ^2/NDF: 909565.0/58

In: 1254.498+/-0.152 χ^2/NDF:553655.9/49

Out: 1247.904+/-0.147 χ^2/NDF:544935.0/56

All: 1251.083+/-0.106 χ^2/NDF: 1099560.7/10


asym_atl_dd_atr_dd_dd_eigen_dit_correction_mean vs Slug, Sign Corrected
15000
10000
5000
0
−5000
−10000
−15000
100
120
140
160
180
200
Right In: 1122.507+/-309.127 χ²/NDF: 29.0/26
Left Out: 595.000+/-142.130 χ²/NDF:57.3/24
Right Out: -755.957+/-315.740 χ²/NDF: 26.5/31
Left In: -110.251+/-144.232 χ²/NDF:25.7/22
Left: 247.550+/-101.236 χ²/NDF: 95.2/47
Right: 203.152+/-220.887 χ²/NDF: 73.6/58
In: 110.137+/-130.705 χ²/NDF:67.8/49
Out: 367.374+/-129.604 χ²/NDF:99.1/56
All: 239.843+/-92.031 χ²/NDF: 168.8/106



Right In: 1174.513+/-0.219 χ^2/NDF: 2565767.1/26

Left Out: 611.086+/-0.101 χ^2/NDF:1619319.5/24

Right Out: 1248.465+/-0.223 χ^2/NDF: 3024123.3/31

Left In: 612.398+/-0.102 χ^2/NDF:508597.7/22

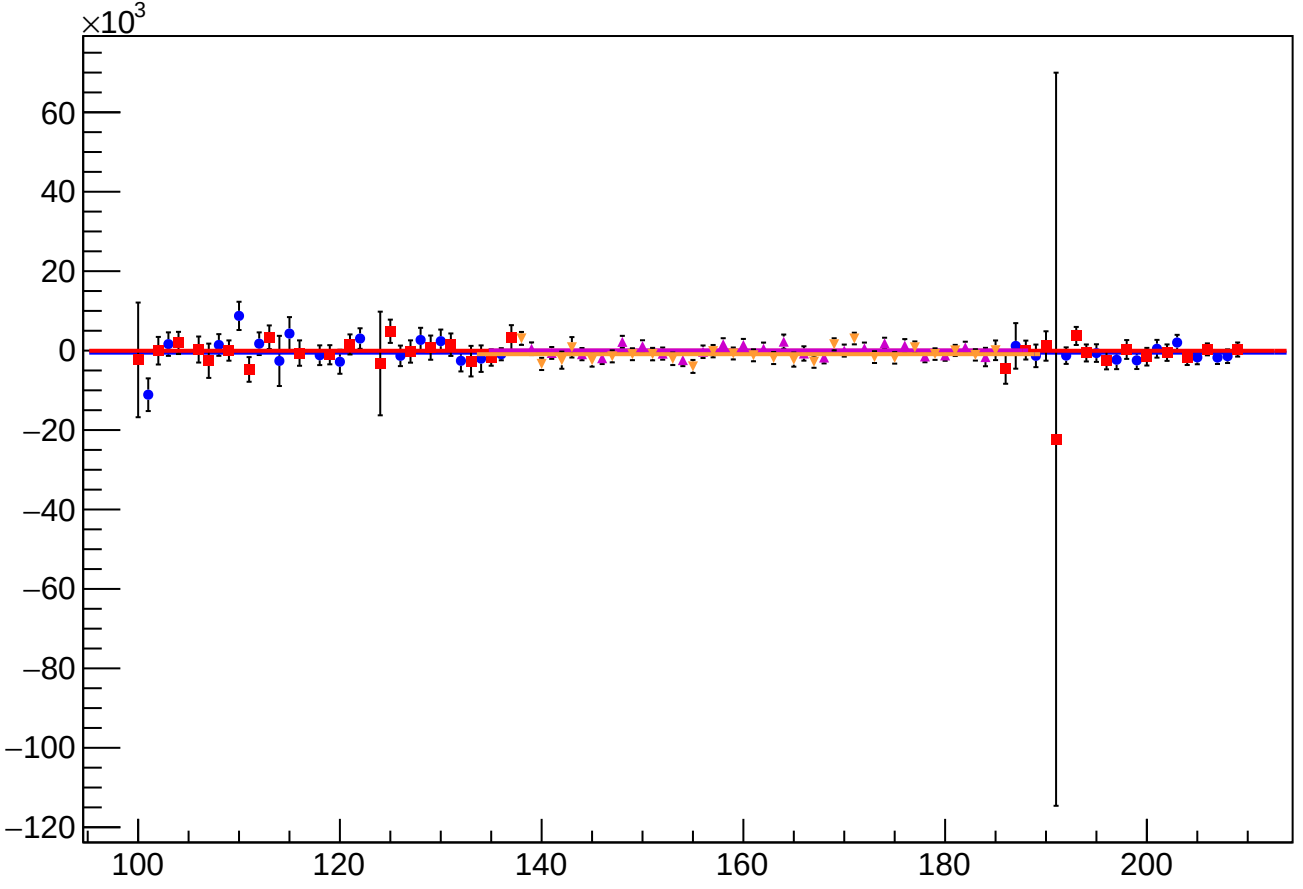
Left: 611.733+/-0.072 χ^2/NDF: 2128001.1/47

Right: 1210.706+/-0.156 χ^2/NDF: 5645909.2/58

In: 712.891+/-0.092 χ^2/NDF:8505195.2/49

Out: 718.480+/-0.092 χ^2/NDF:11420346.3/56

All: 715.709+/-0.065 χ^2/NDF: 19927385.2/10



Right In: -515.327+/-469.100 χ^2/NDF: 27.0/26

Left Out: -899.894+/-316.449 χ^2/NDF:29.8/24

Right Out: -37.371+/-465.486 χ^2/NDF: 17.3/31

Left In: 48.178+/-320.929 χ^2/NDF:17.9/22

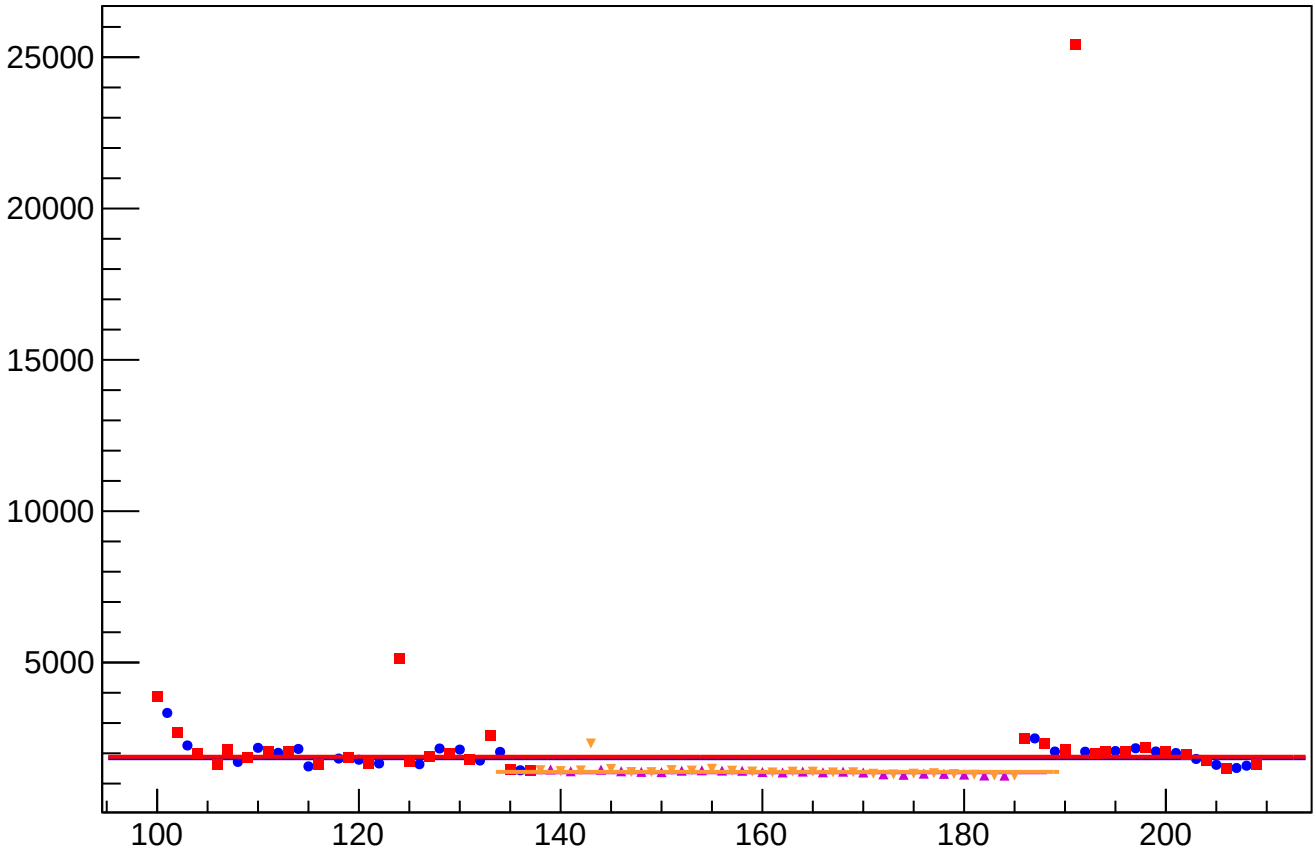
Left: -432.522+/-225.330 χ^2/NDF: 52.1/47

Right: -274.501+/-330.419 χ^2/NDF: 44.8/58

In: -131.479+/-264.874 χ^2/NDF:45.8/49

Out: -627.268+/-261.701 χ^2/NDF:49.4/56

All: -382.361+/-186.162 χ^2/NDF: 97.0/106



Right In: 1838.153+/-0.332 χ^2/NDF: 863262.8/26

Left Out: 1386.845+/-0.224 χ^2/NDF:339794.5/24

Right Out: 1886.370+/-0.329 χ^2/NDF: 1038495.5/31

Left In: 1373.217+/-0.227 χ^2/NDF:64467.6/22

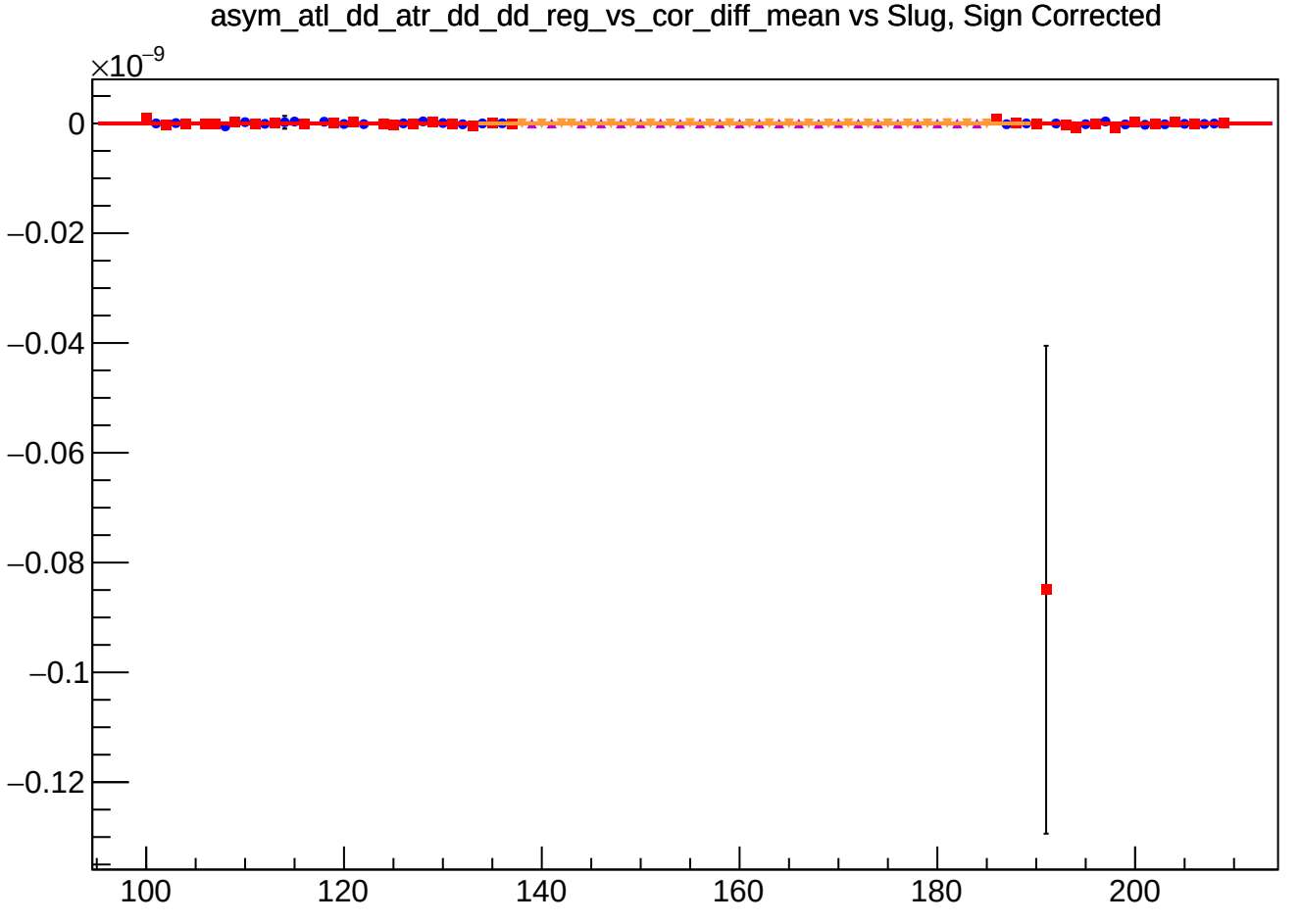
Left: 1380.126+/-0.159 χ^2/NDF: 406090.7/47

Right: 1862.448+/-0.234 χ^2/NDF: 1912405.0/58

In: 1521.448+/-0.187 χ^2/NDF:2266010.4/49

Out: 1544.736+/-0.185 χ^2/NDF:2953501.0/56

All: 1533.232+/-0.132 χ^2/NDF: 5227334.6/10



Right In: 0.000+/-0.000 χ^2/NDF: 23.0/26

Left Out: 0.000+/-0.000 χ^2/NDF:24.8/24

Right Out: -0.000+/-0.000 χ^2/NDF: 46.6/31

Left In: 0.000+/-0.000 χ^2/NDF:13.5/22

Left: 0.000+/-0.000 χ^2/NDF: 38.4/47

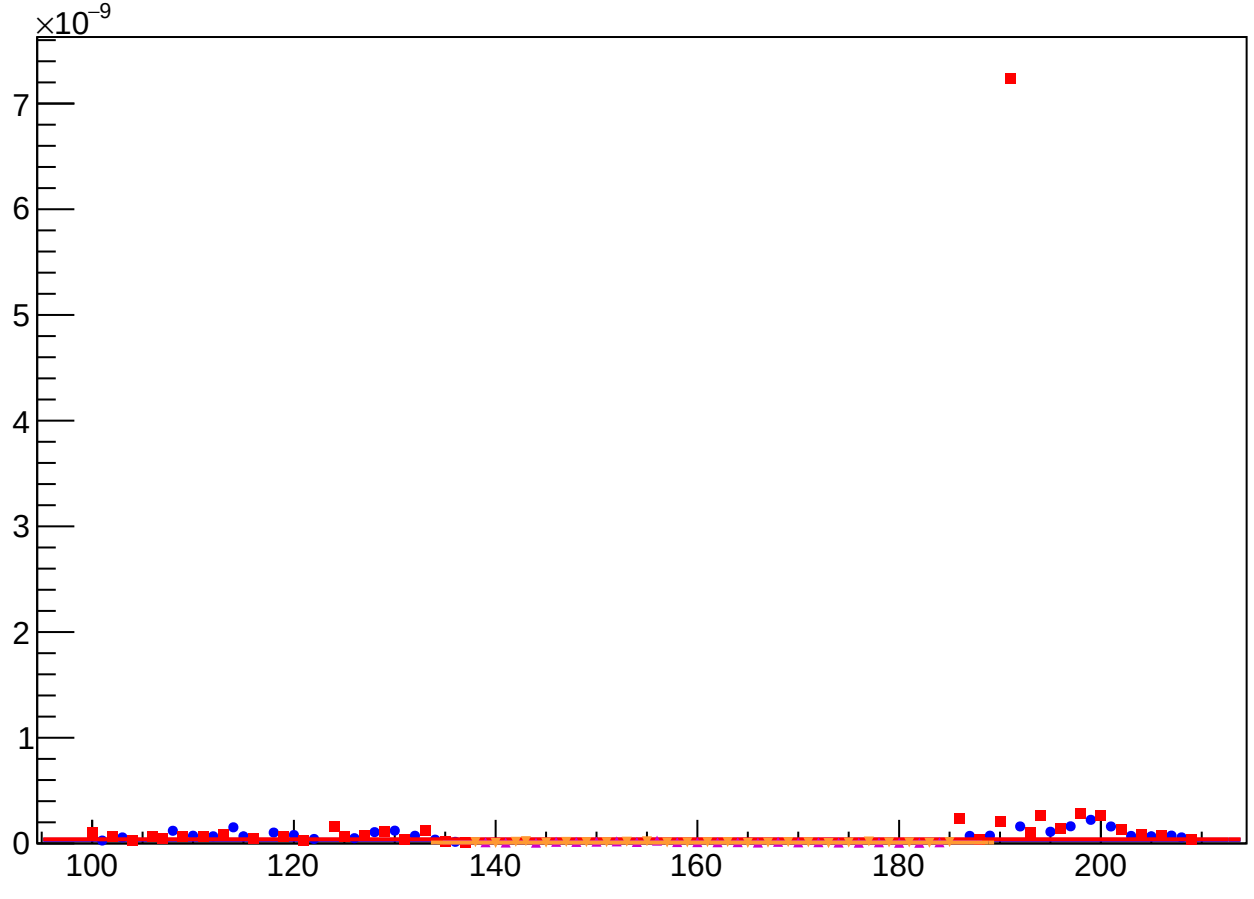
Right: -0.000+/-0.000 χ^2/NDF: 70.5/58

In: 0.000+/-0.000 χ^2/NDF:36.6/49

Out: 0.000+/-0.000 χ^2/NDF:72.4/56

All: 0.000+/-0.000 χ^2/NDF: 109.0/106

asym_atl_dd_atr_dd_dd_reg_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 6001472.5/26

Left Out: 0.000+/-0.000 χ^2/NDF:2148494.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 6427117.5/31

Left In: 0.000+/-0.000 χ^2/NDF:1232395.4/22

Left: 0.000+/-0.000 χ^2/NDF: 3597627.7/47

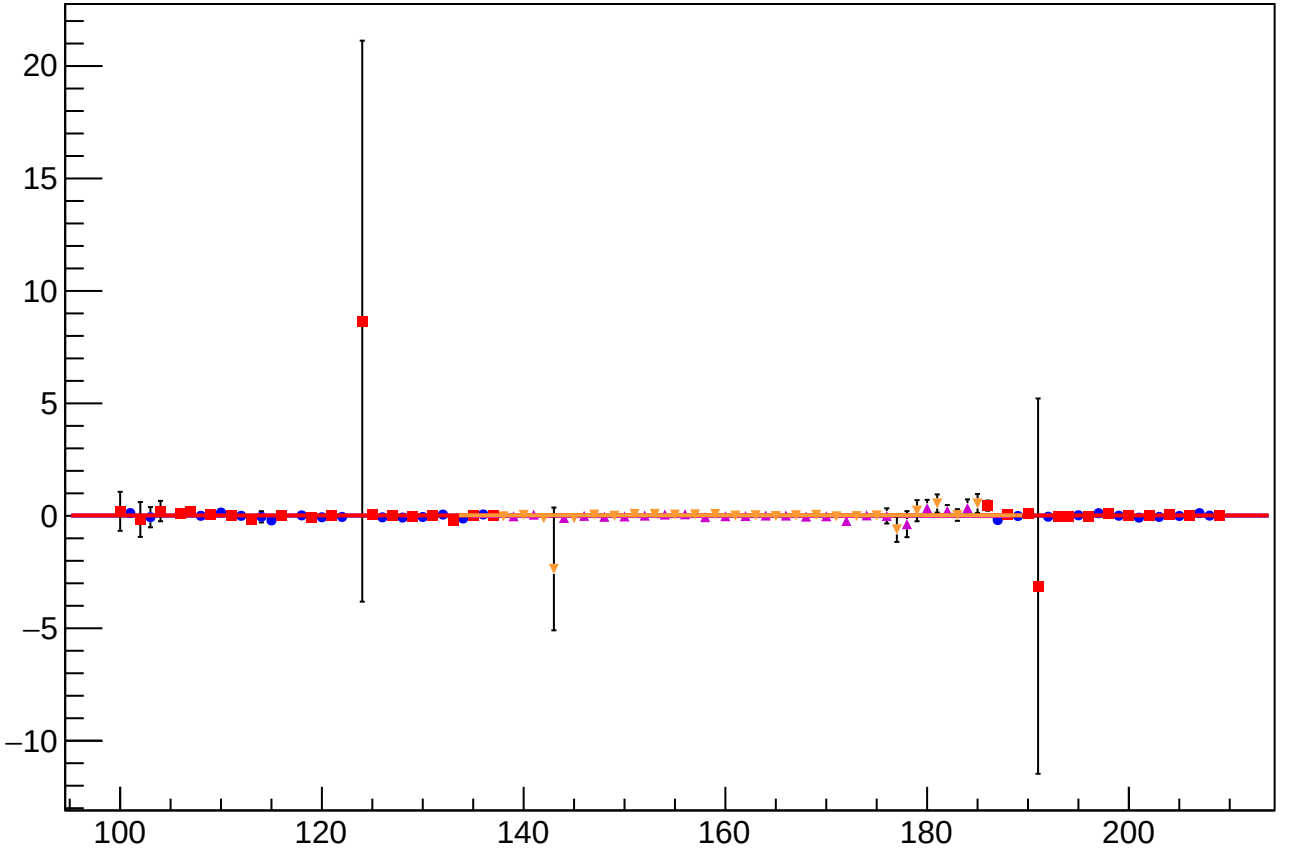
Right: 0.000+/-0.000 χ^2/NDF: 12504220.8/58

In: 0.000+/-0.000 χ^2/NDF:10682381.3/49

Out: 0.000+/-0.000 χ^2/NDF:13375941.1/56

All: 0.000+/-0.000 χ^2/NDF: 24354555.5/106

asym_atl_dd_atr_dd_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.009+/-0.010 χ^2/NDF: 42.1/26

Left Out: 0.023+/-0.010 χ^2/NDF:22.8/24

Right Out: 0.018+/-0.011 χ^2/NDF: 22.5/31

Left In: -0.010+/-0.010 χ^2/NDF:14.8/22

Left: 0.006+/-0.007 χ^2/NDF: 43.0/47

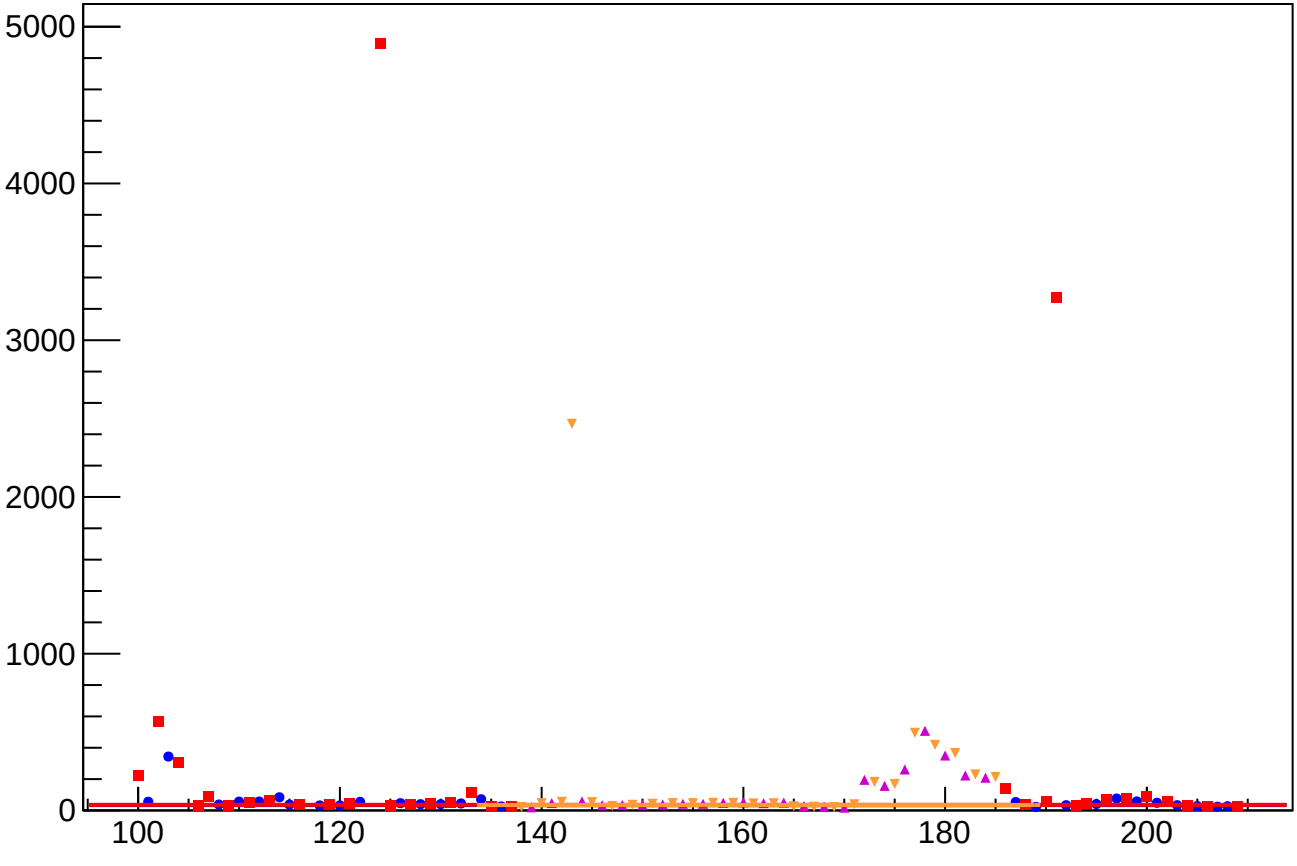
Right: 0.013+/-0.007 χ^2/NDF: 65.0/58

In: -0.001+/-0.007 χ^2/NDF:58.6/49

Out: 0.021+/-0.007 χ^2/NDF:45.5/56

All: 0.010+/-0.005 χ^2/NDF: 108.4/106

asym_atl_dd_atr_dd_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 34.255+/-0.007 χ^2/NDF: 3560645.4/26

Left Out: 34.624+/-0.007 χ^2/NDF:11402451.4/24

Right Out: 35.974+/-0.007 χ^2/NDF: 6336516.0/31

Left In: 33.592+/-0.007 χ^2/NDF:10067466.4/22

Left: 34.094+/-0.005 χ^2/NDF: 21480396.5/47

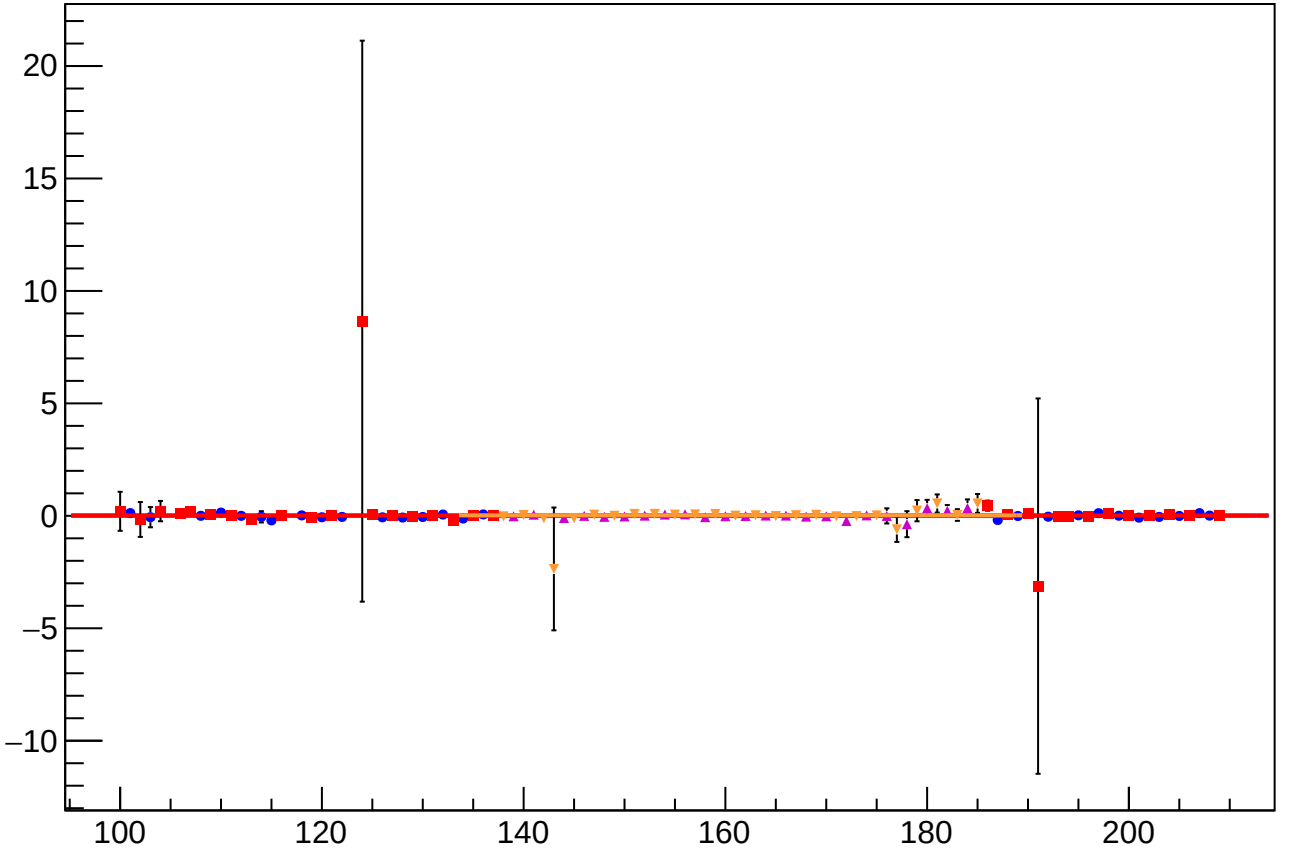
Right: 35.071+/-0.005 χ^2/NDF: 9925167.2/58

In: 33.922+/-0.005 χ^2/NDF:13632526.7/49

Out: 35.278+/-0.005 χ^2/NDF:17755932.0/56

All: 34.574+/-0.004 χ^2/NDF: 31424021.7/106

asym_atl_dd_atr_dd_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.009+/-0.010 χ^2/NDF: 42.1/26

Left Out: 0.023+/-0.010 χ^2/NDF:22.8/24

Right Out: 0.018+/-0.011 χ^2/NDF: 22.5/31

Left In: -0.010+/-0.010 χ^2/NDF:14.8/22

Left: 0.006+/-0.007 χ^2/NDF: 43.0/47

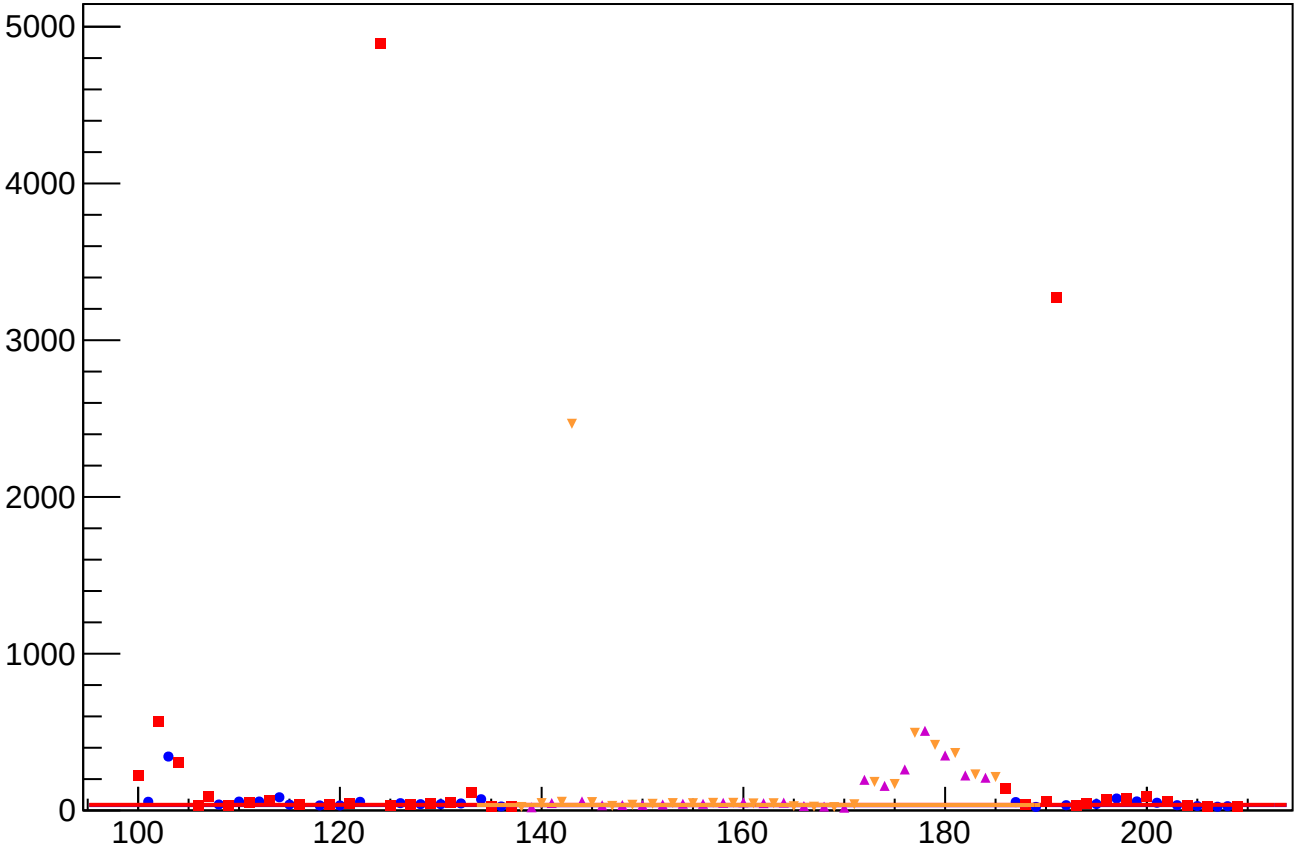
Right: 0.013+/-0.007 χ^2/NDF: 65.0/58

In: -0.001+/-0.007 χ^2/NDF:58.6/49

Out: 0.021+/-0.007 χ^2/NDF:45.5/56

All: 0.010+/-0.005 χ^2/NDF: 108.4/106

asym_atl_dd_atr_dd_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 34.255+/-0.007 χ^2/NDF: 3560645.4/26

Left Out: 34.624+/-0.007 χ^2/NDF:11402451.4/24

Right Out: 35.974+/-0.007 χ^2/NDF: 6336516.0/31

Left In: 33.592+/-0.007 χ^2/NDF:10067466.4/22

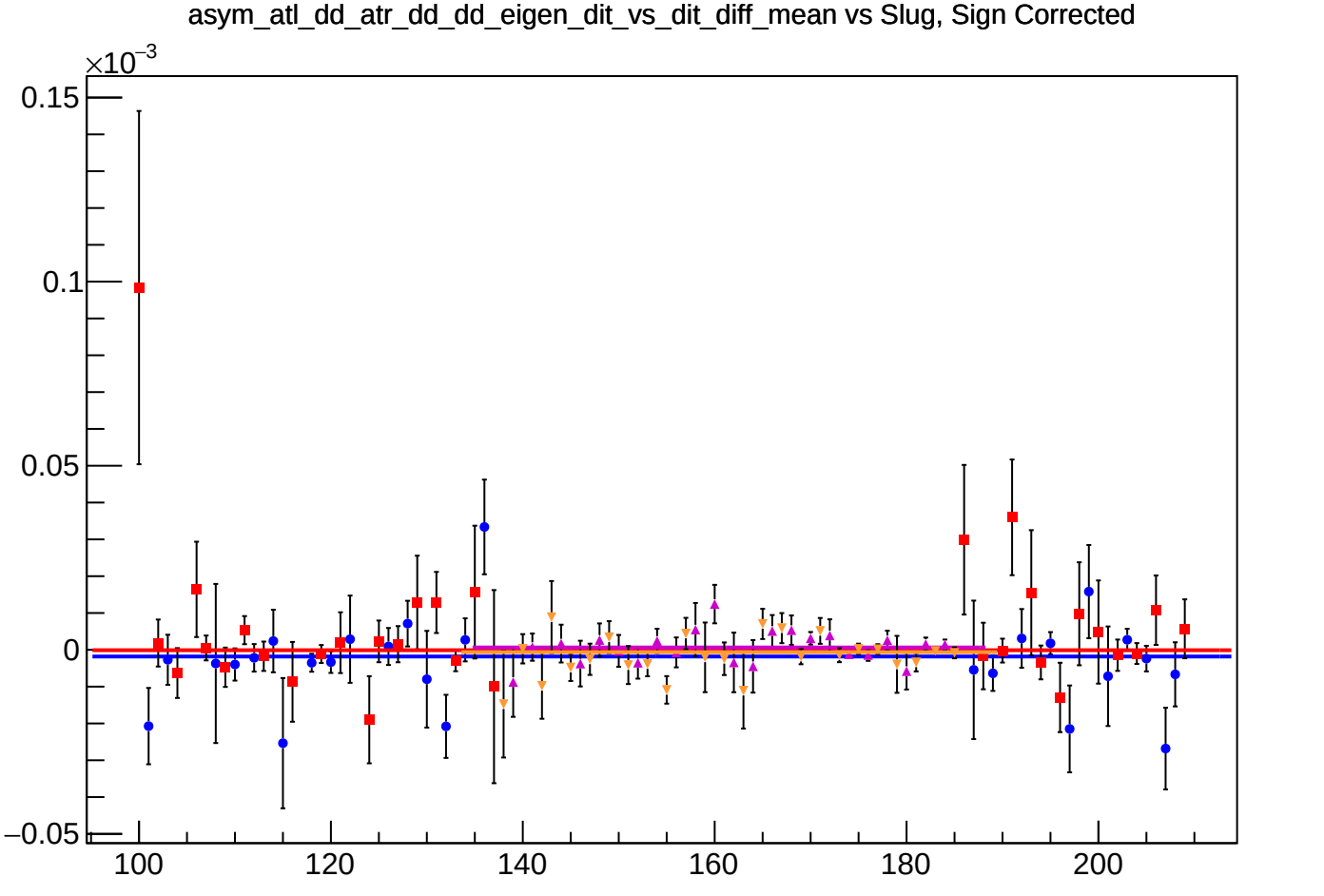
Left: 34.094+/-0.005 χ^2/NDF: 21480396.5/47

Right: 35.071+/-0.005 χ^2/NDF: 9925167.2/58

In: 33.922+/-0.005 χ^2/NDF:13632526.7/49

Out: 35.278+/-0.005 χ^2/NDF:17755932.0/56

All: 34.574+/-0.004 χ^2/NDF: 31424021.7/106



Right In: -0.000+/-0.000 χ^2/NDF: 37.5/26

Left Out: -0.000+/-0.000 χ^2/NDF:28.4/24

Right Out: -0.000+/-0.000 χ^2/NDF: 32.3/31

Left In: 0.000+/-0.000 χ^2/NDF:21.9/22

Left: -0.000+/-0.000 χ^2/NDF: 53.2/47

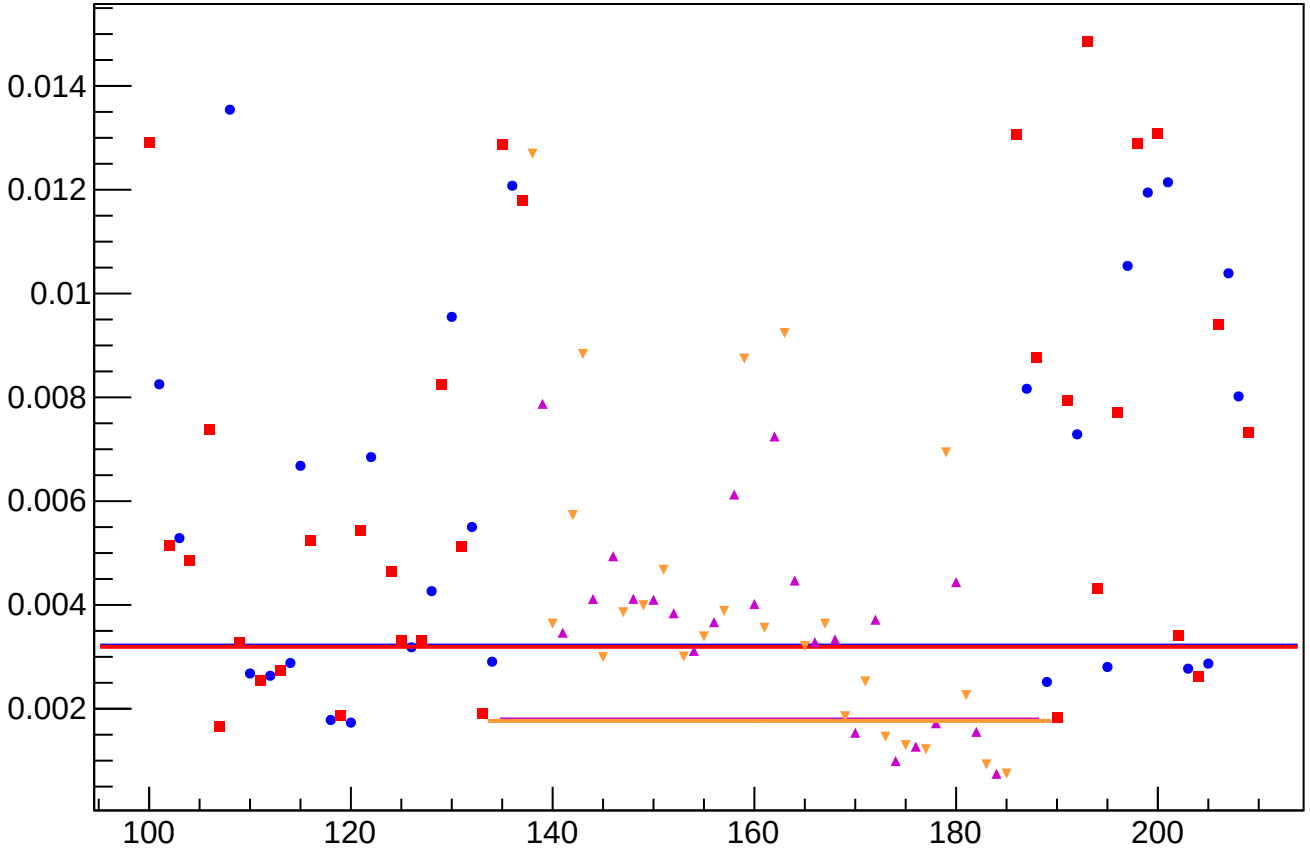
Right: -0.000+/-0.000 χ^2/NDF: 71.3/58

In: 0.000+/-0.000 χ^2/NDF:64.0/49

Out: -0.000+/-0.000 χ^2/NDF:60.9/56

All: -0.000+/-0.000 χ^2/NDF: 125.7/106

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: 9130058.9/26

Left Out: 0.002+/-0.000 χ^2/NDF:12926339.2/24

Right Out: 0.003+/-0.000 χ^2/NDF: 10298042.8/31

Left In: 0.002+/-0.000 χ^2/NDF:10766932.4/22

Left: 0.002+/-0.000 χ^2/NDF: 23695843.2/47

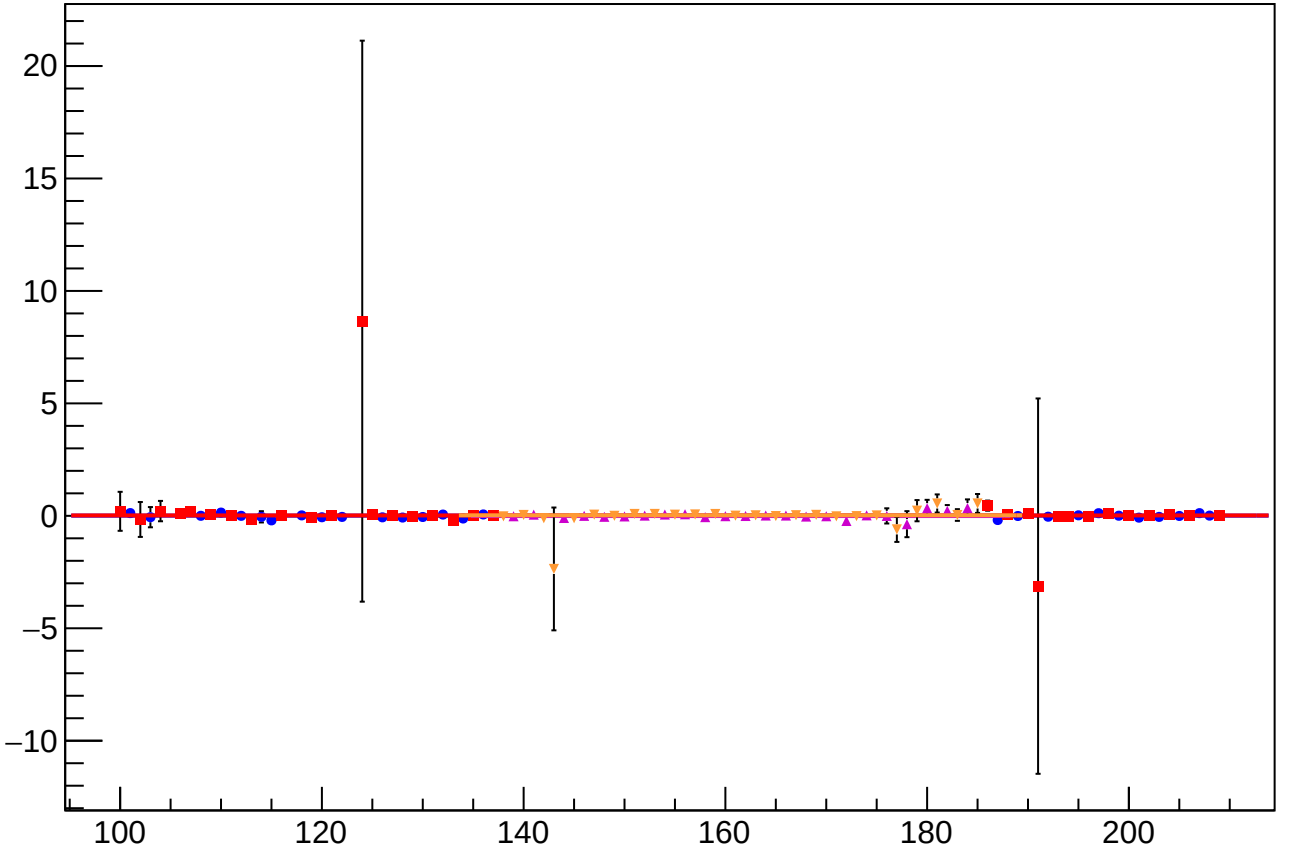
Right: 0.003+/-0.000 χ^2/NDF: 19428669.1/58

In: 0.002+/-0.000 χ^2/NDF:23006069.7/49

Out: 0.002+/-0.000 χ^2/NDF:26747666.7/56

All: 0.002+/-0.000 χ^2/NDF: 49757107.3/106

asym_atl_dd_atr_dd_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.009+/-0.010 χ^2/NDF: 42.1/26

Left Out: 0.023+/-0.010 χ^2/NDF:22.8/24

Right Out: 0.018+/-0.011 χ^2/NDF: 22.5/31

Left In: -0.010+/-0.010 χ^2/NDF:14.8/22

Left: 0.006+/-0.007 χ^2/NDF: 43.0/47

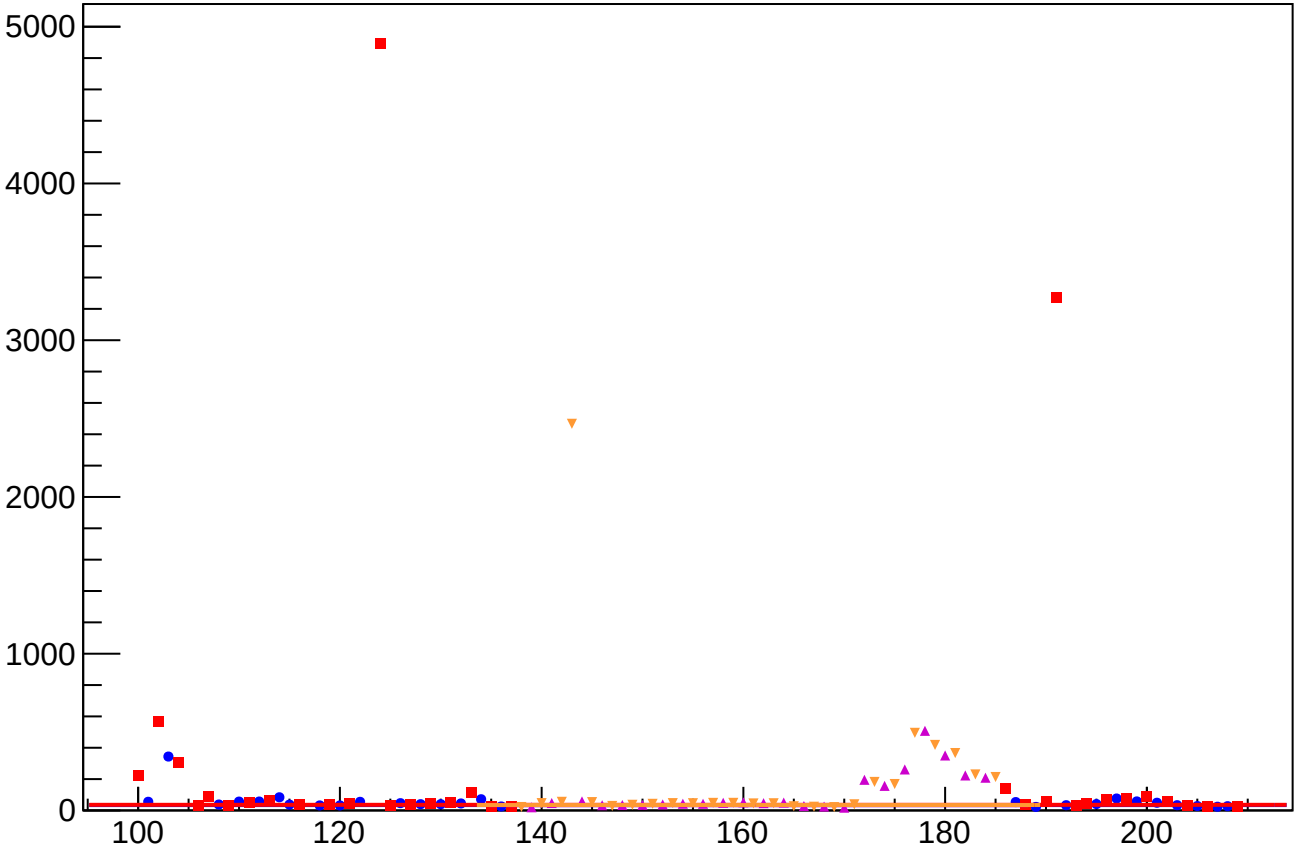
Right: 0.013+/-0.007 χ^2/NDF: 65.0/58

In: -0.001+/-0.007 χ^2/NDF:58.6/49

Out: 0.021+/-0.007 χ^2/NDF:45.5/56

All: 0.010+/-0.005 χ^2/NDF: 108.4/106

asym_atl_dd_atr_dd_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 34.259+/-0.007 χ^2/NDF: 3559231.0/26

Left Out: 34.623+/-0.007 χ^2/NDF:11402566.2/24

Right Out: 35.974+/-0.007 χ^2/NDF: 6336473.9/31

Left In: 33.595+/-0.007 χ^2/NDF:10066196.6/22

Left: 34.095+/-0.005 χ^2/NDF: 21479175.2/47

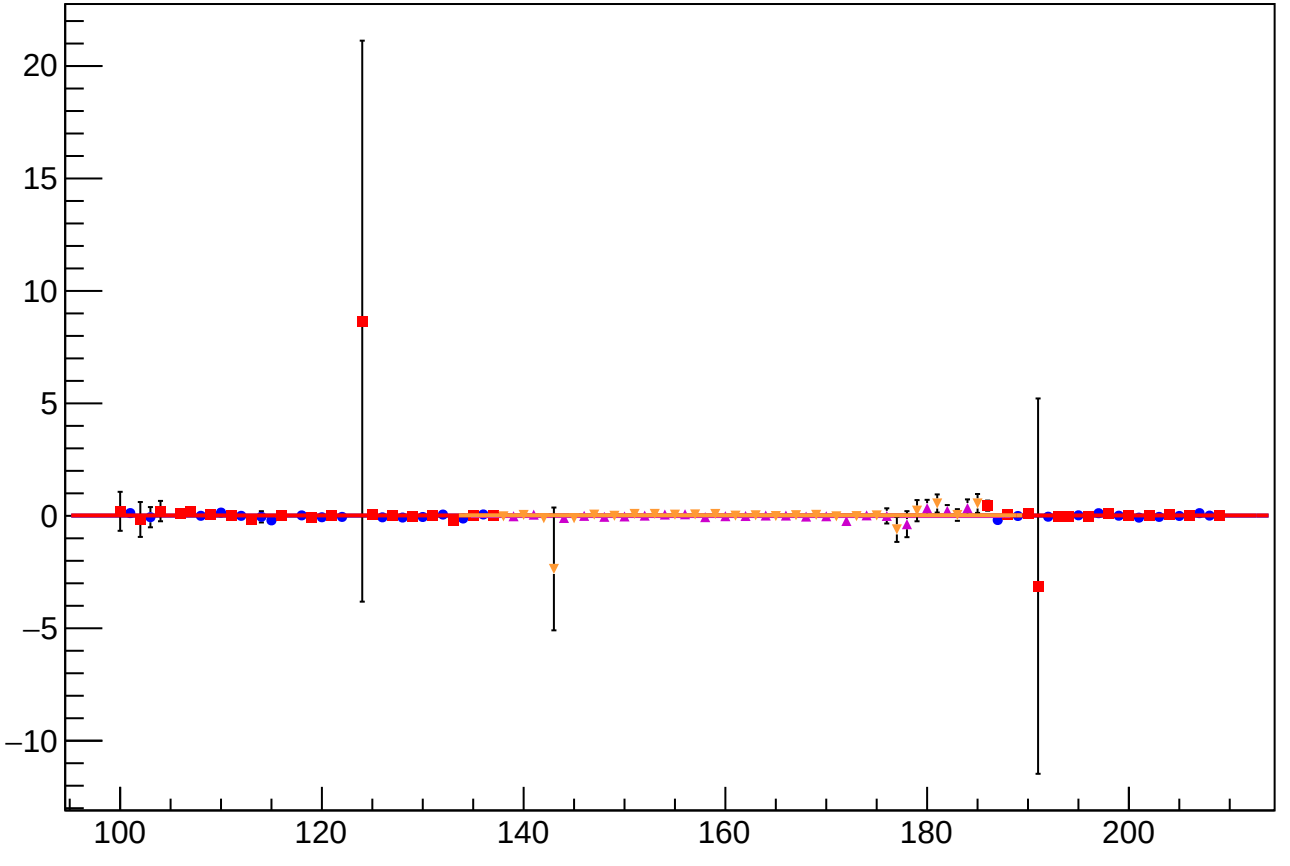
Right: 35.073+/-0.005 χ^2/NDF: 9923604.4/58

In: 33.924+/-0.005 χ^2/NDF:13629858.3/49

Out: 35.277+/-0.005 χ^2/NDF:17756036.5/56

All: 34.575+/-0.004 χ^2/NDF: 31421285.9/106

asym_atl_dd_atr_dd_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.009+/-0.010 χ^2/NDF: 42.1/26

Left Out: 0.023+/-0.010 χ^2/NDF:22.8/24

Right Out: 0.018+/-0.011 χ^2/NDF: 22.5/31

Left In: -0.010+/-0.010 χ^2/NDF:14.8/22

Left: 0.006+/-0.007 χ^2/NDF: 43.0/47

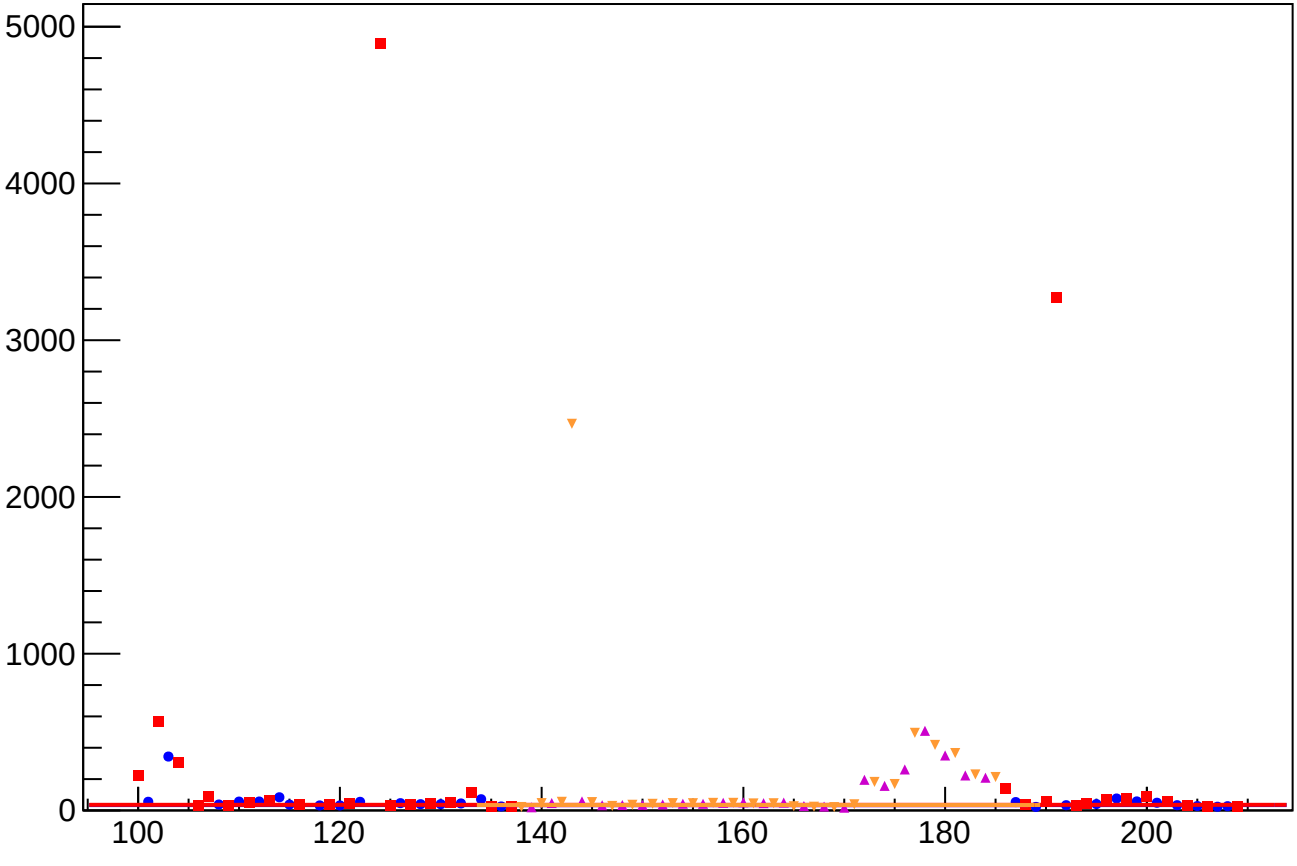
Right: 0.013+/-0.007 χ^2/NDF: 65.0/58

In: -0.001+/-0.007 χ^2/NDF:58.6/49

Out: 0.021+/-0.007 χ^2/NDF:45.5/56

All: 0.010+/-0.005 χ^2/NDF: 108.4/106

asym_atl_dd_atr_dd_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 34.259+/-0.007 χ^2/NDF: 3559231.0/26

Left Out: 34.623+/-0.007 χ^2/NDF:11402566.2/24

Right Out: 35.974+/-0.007 χ^2/NDF: 6336473.9/31

Left In: 33.595+/-0.007 χ^2/NDF:10066196.6/22

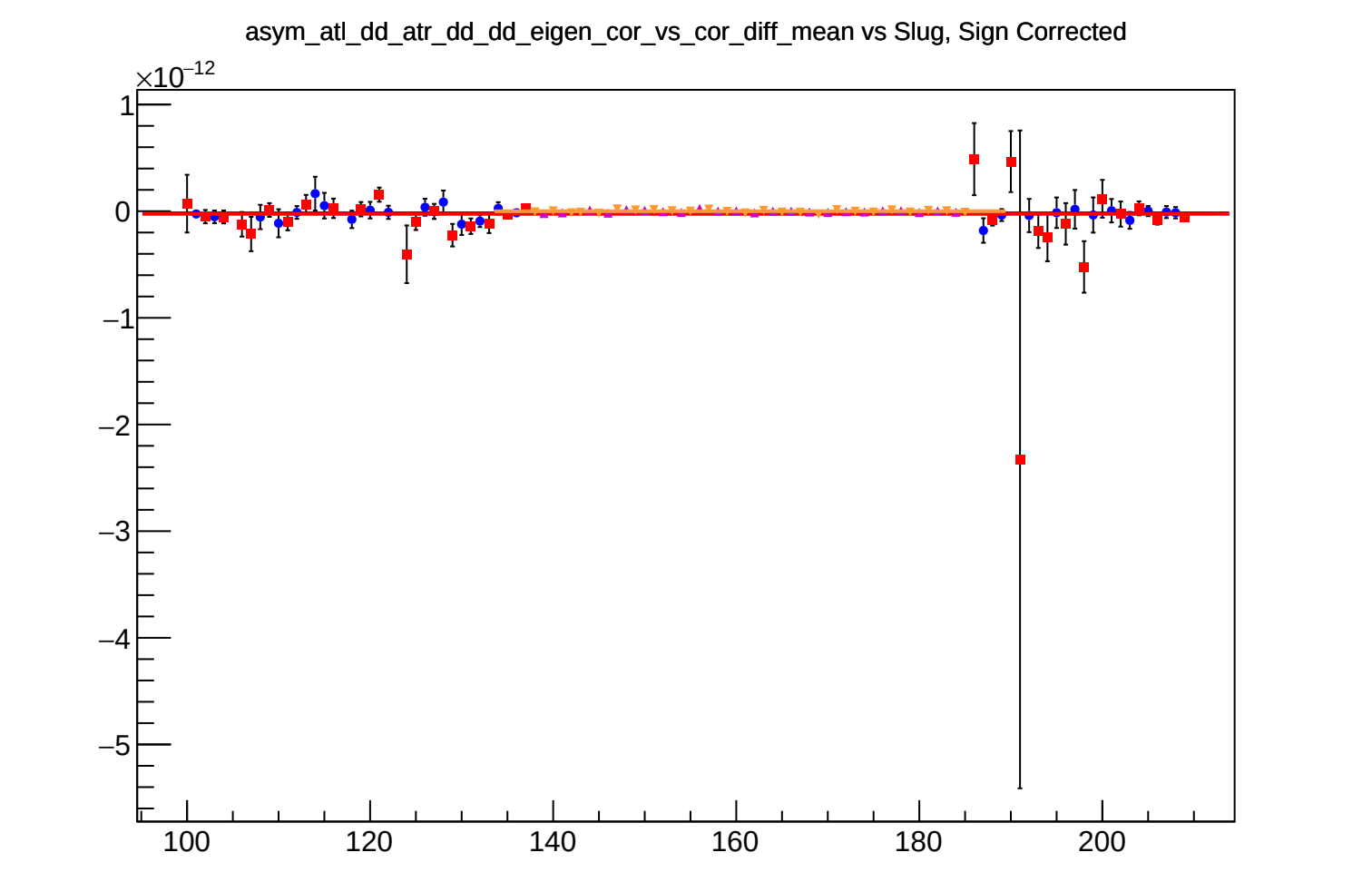
Left: 34.095+/-0.005 χ^2/NDF: 21479175.2/47

Right: 35.073+/-0.005 χ^2/NDF: 9923604.4/58

In: 33.924+/-0.005 χ^2/NDF:13629858.3/49

Out: 35.277+/-0.005 χ^2/NDF:17756036.5/56

All: 34.575+/-0.004 χ^2/NDF: 31421285.9/106



Right In: -0.000+/-0.000 χ^2/NDF: 11.5/26

Left Out: -0.000+/-0.000 χ^2/NDF:26.0/24

Right Out: -0.000+/-0.000 χ^2/NDF: 44.7/31

Left In: -0.000+/-0.000 χ^2/NDF:20.0/22

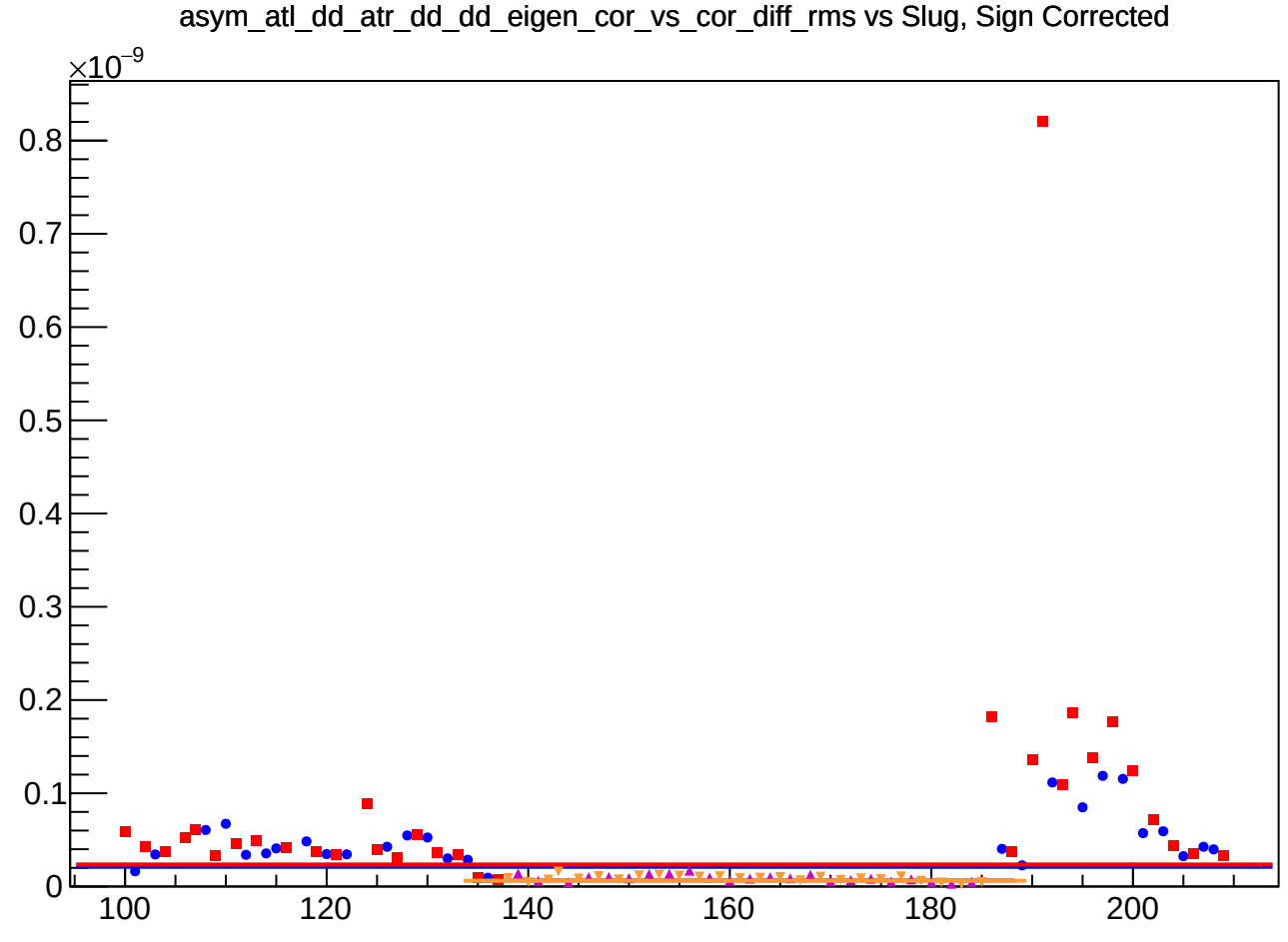
Left: -0.000+/-0.000 χ^2/NDF: 46.4/47

Right: -0.000+/-0.000 χ^2/NDF: 56.4/58

In: -0.000+/-0.000 χ^2/NDF:34.9/49

Out: -0.000+/-0.000 χ^2/NDF:76.9/56

All: -0.000+/-0.000 χ^2/NDF: 112.2/106



Right In: 0.000+/-0.000 χ^2/NDF: 7268739.5/26

Left Out: 0.000+/-0.000 χ^2/NDF:5077918.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 9706153.7/31

Left In: 0.000+/-0.000 χ^2/NDF:3998320.2/22

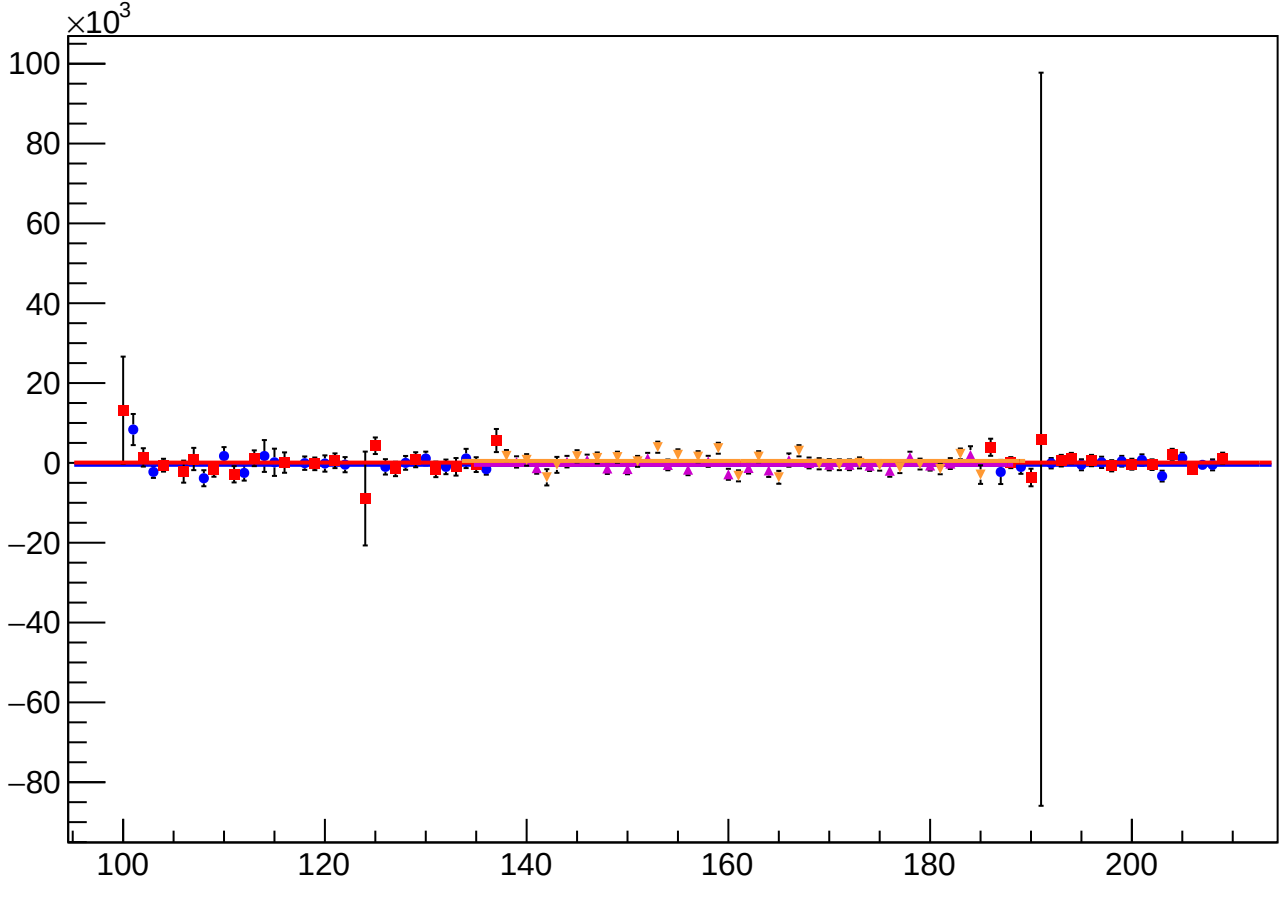
Left: 0.000+/-0.000 χ^2/NDF: 9096603.9/47

Right: 0.000+/-0.000 χ^2/NDF: 17043776.2/58

In: 0.000+/-0.000 χ^2/NDF:16207496.0/49

Out: 0.000+/-0.000 χ^2/NDF:20703538.4/56

All: 0.000+/-0.000 χ^2/NDF: 36941398.2/106



Right In: -478.949+/-323.549 χ^2/NDF: 21.9/26

Left Out: 492.062+/-288.495 χ^2/NDF:46.9/24

Right Out: 72.414+/-315.956 χ^2/NDF: 28.6/31

Left In: -486.821+/-293.769 χ^2/NDF:14.4/22

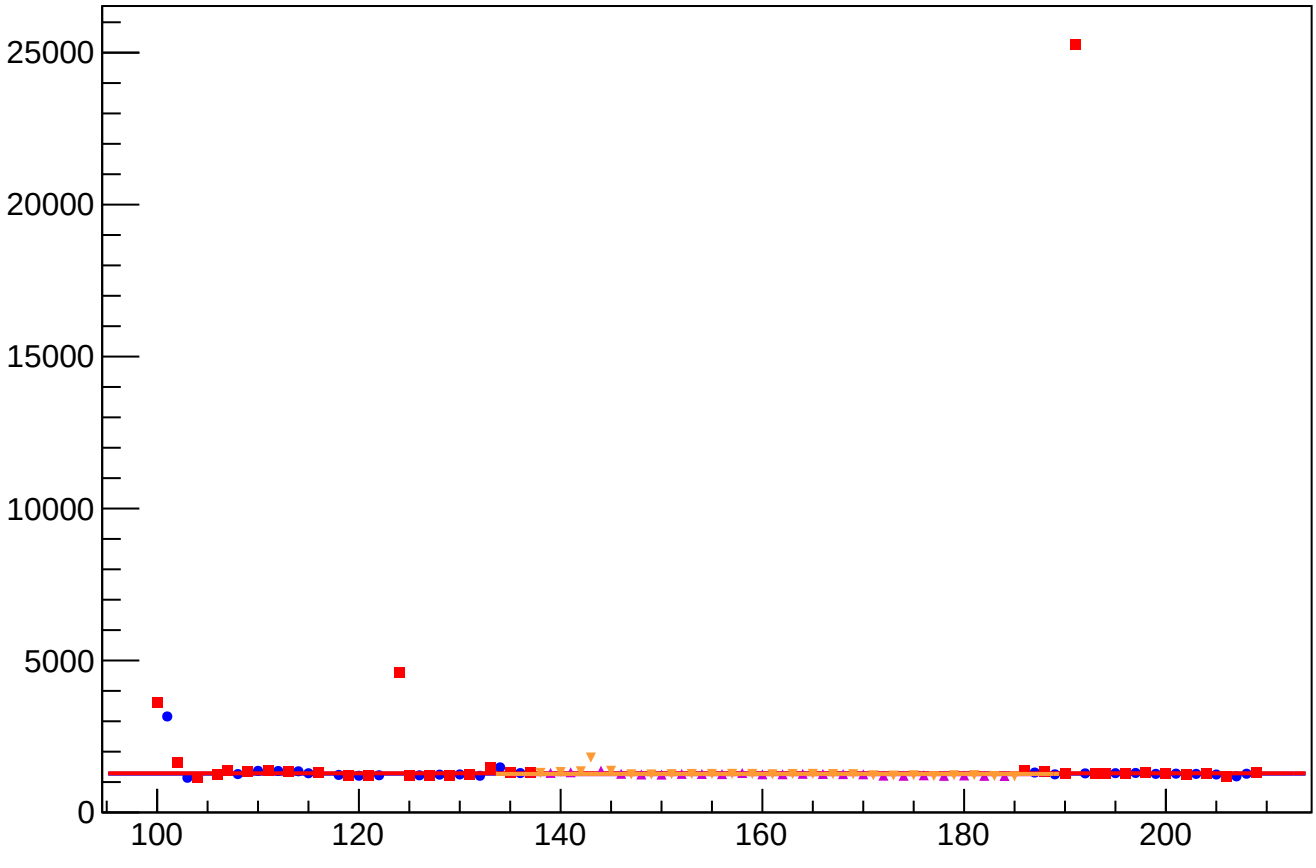
Left: 11.486+/-205.836 χ^2/NDF: 67.0/47

Right: -196.722+/-226.051 χ^2/NDF: 52.0/58

In: -483.264+/-217.494 χ^2/NDF:36.3/49

Out: 301.264+/-213.045 χ^2/NDF:76.5/56

All: -82.894+/-152.194 χ^2/NDF: 119.4/106



Right In: 1276.212+/-0.229 χ^2/NDF: 528341.6/26

Left Out: 1266.967+/-0.204 χ^2/NDF:187545.6/24

Right Out: 1288.848+/-0.223 χ^2/NDF: 482656.1/31

Left In: 1257.551+/-0.208 χ^2/NDF:36816.4/22

Left: 1262.345+/-0.146 χ^2/NDF: 225407.9/47

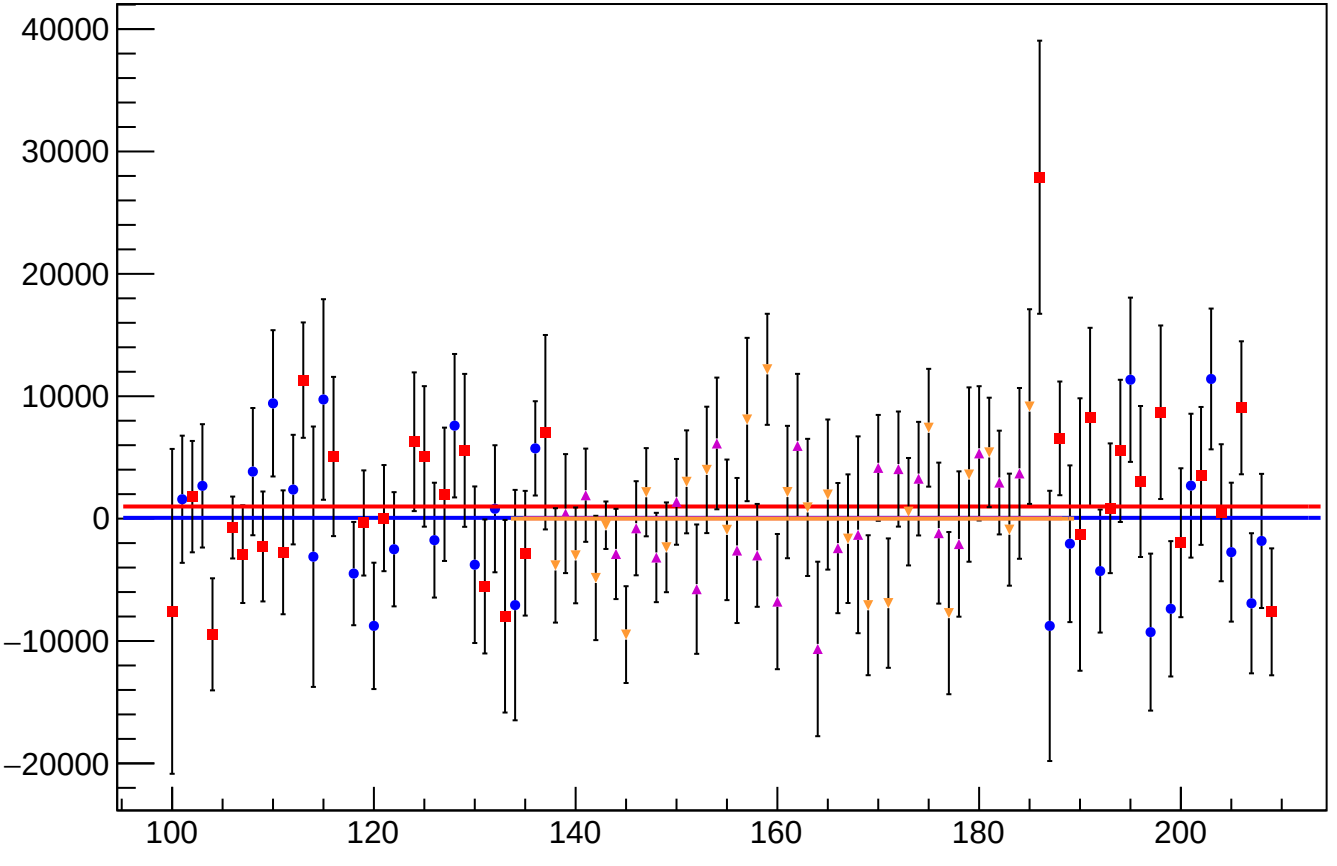
Right: 1282.687+/-0.160 χ^2/NDF: 1012560.6/58

In: 1265.984+/-0.154 χ^2/NDF:568804.6/49

Out: 1276.927+/-0.151 χ^2/NDF:675438.4/56

All: 1271.571+/-0.108 χ^2/NDF: 1246828.5/10

asym_at1_avg_at2_avg_dd_reg_correction_mean vs Slug, Sign Corrected



Right In: 63.227+/-1069.204 χ^2/NDF: 28.6/26

Left Out: -0.604+/-886.488 χ^2/NDF:29.1/24

Right Out: 990.257+/-926.828 χ^2/NDF: 34.9/31

Left In: 31.593+/-995.348 χ^2/NDF:14.0/22

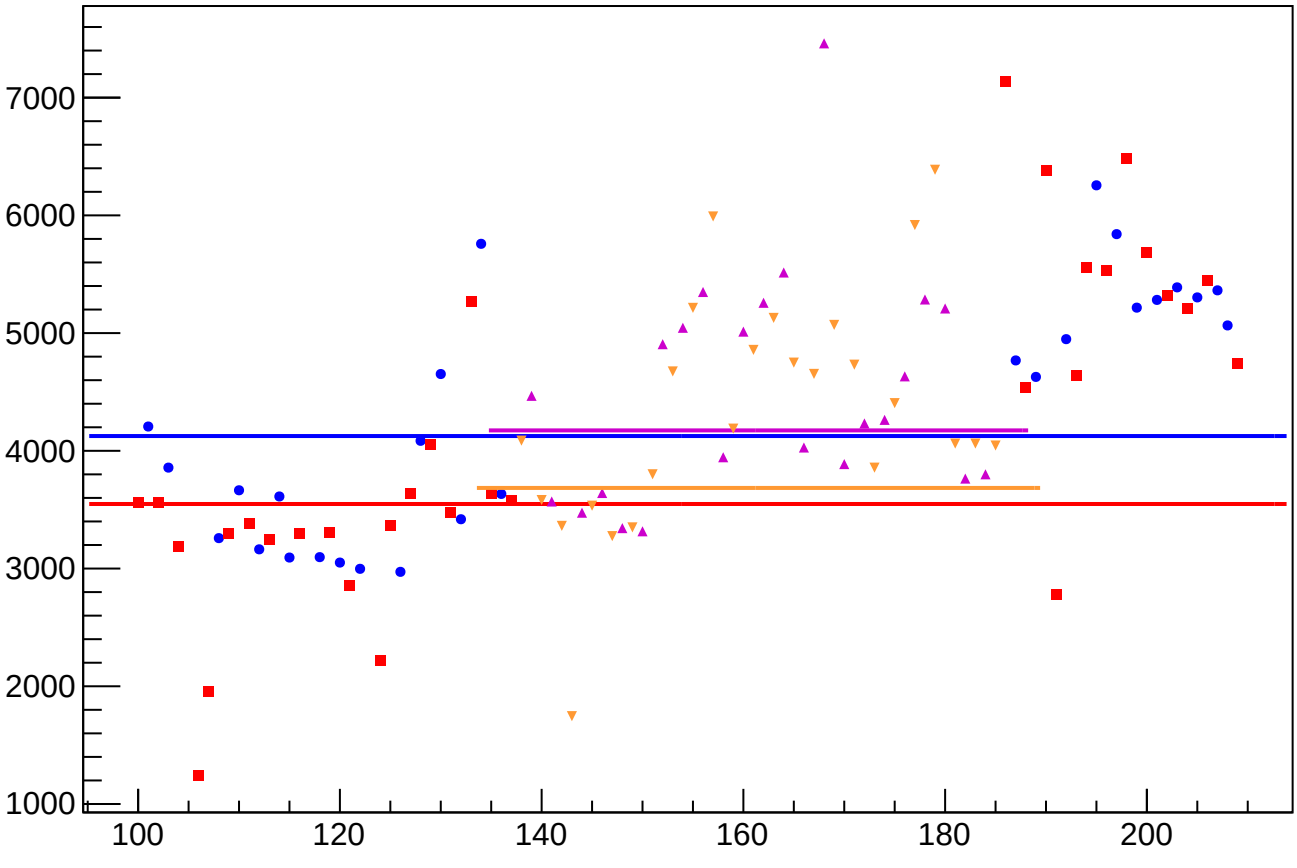
Left: 13.638+/-661.996 χ^2/NDF: 43.1/47

Right: 592.531+/-700.334 χ^2/NDF: 63.9/58

In: 46.280+/-728.529 χ^2/NDF:42.6/49

Out: 472.794+/-640.628 χ^2/NDF:64.5/56

All: 286.807+/-481.085 χ^2/NDF: 107.4/106



Right In: 4125.558+/-0.756 χ^2/NDF: 1696125.4/26

Left Out: 3684.769+/-0.627 χ^2/NDF:3693646.6/24

Right Out: 3548.368+/-0.655 χ^2/NDF: 4589244.6/31

Left In: 4173.556+/-0.704 χ^2/NDF:1274968.4/22

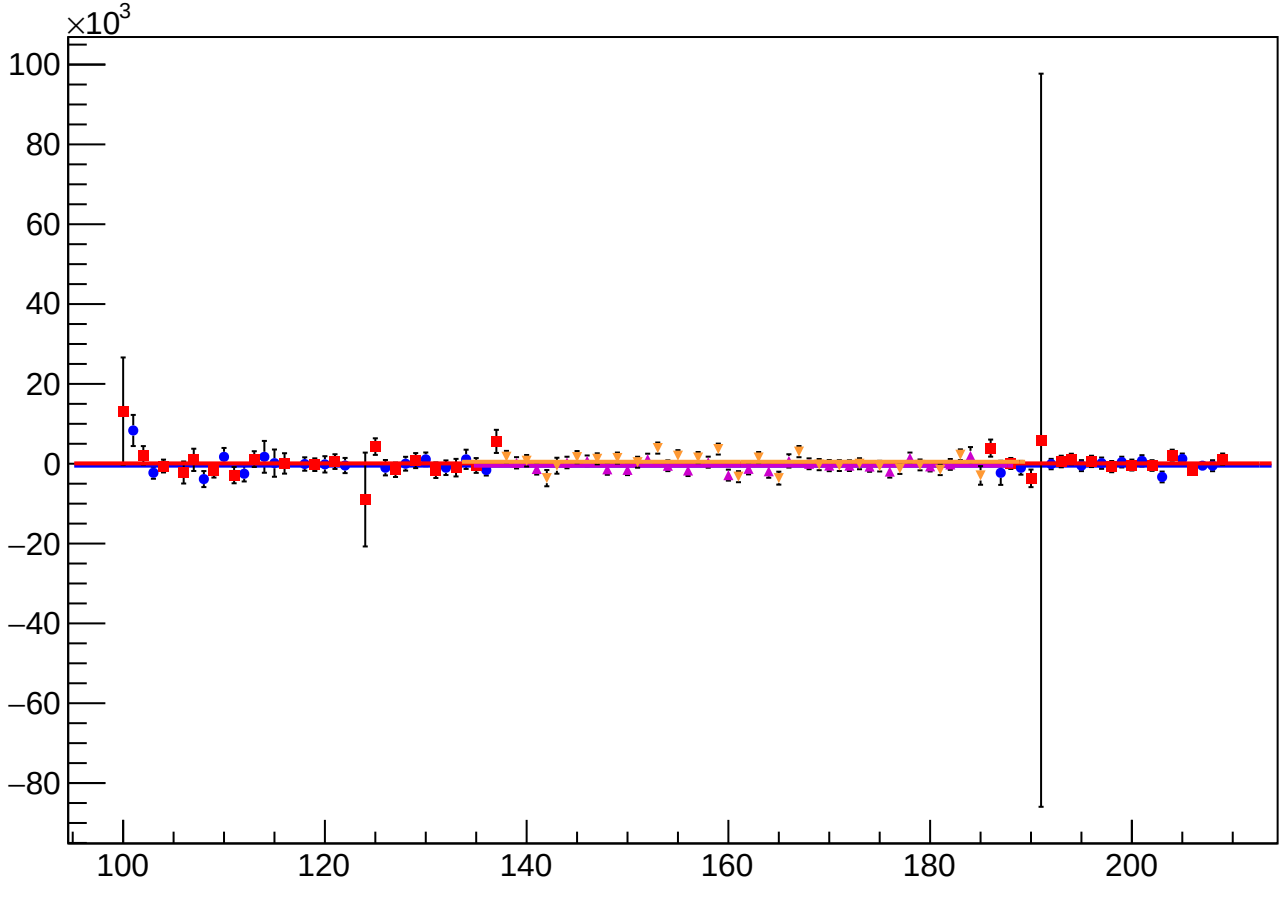
Left: 3900.981+/-0.468 χ^2/NDF: 5237573.9/47

Right: 3796.001+/-0.495 χ^2/NDF: 6618150.6/58

In: 4151.272+/-0.515 χ^2/NDF:2973253.0/49

Out: 3619.601+/-0.453 χ^2/NDF:8305513.1/56

All: 3851.443+/-0.340 χ^2/NDF: 11879458.5/1



Right In: -479.091+/-323.549 χ^2/NDF: 21.9/26

Left Out: 492.079+/-288.495 χ^2/NDF:46.9/24

Right Out: 84.649+/-316.044 χ^2/NDF: 29.0/31

Left In: -486.720+/-293.769 χ^2/NDF:14.4/22

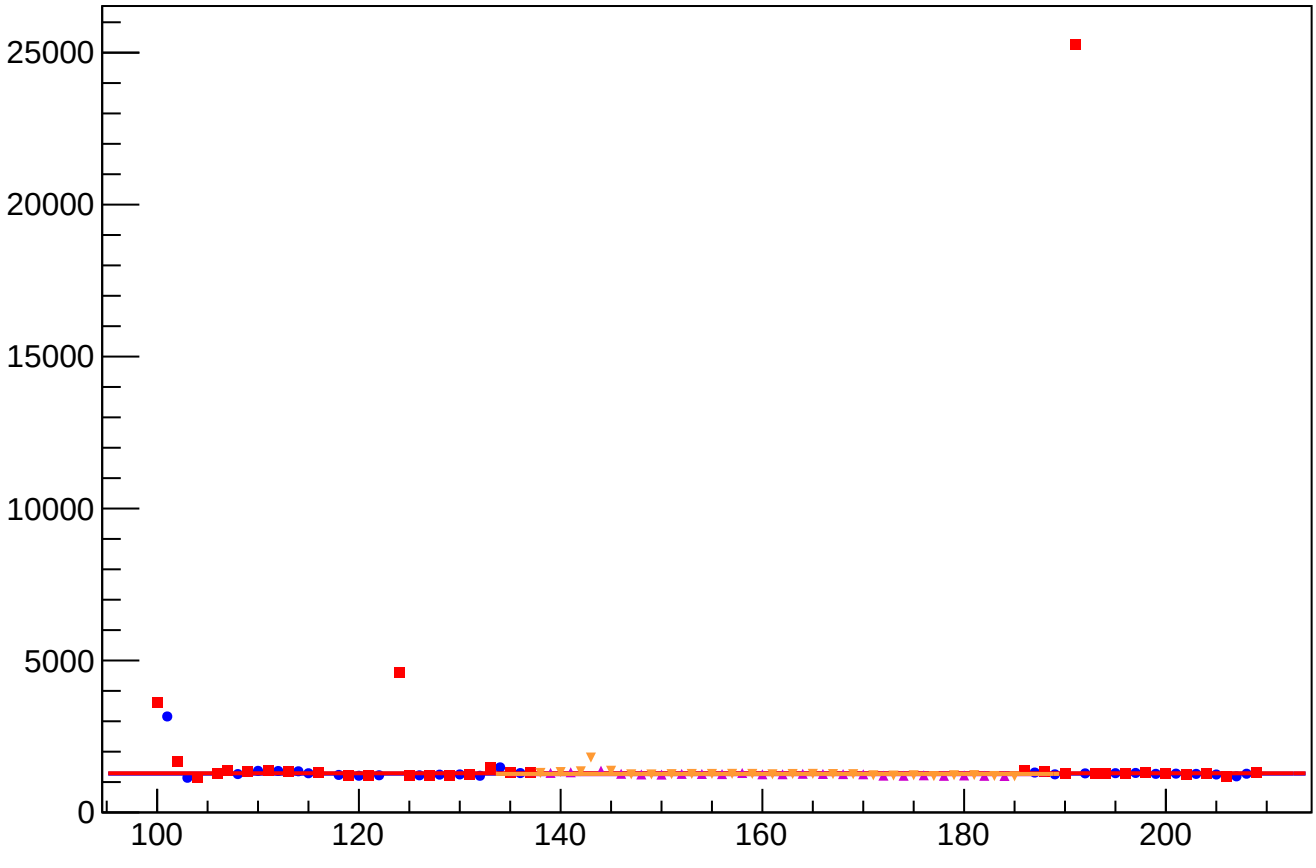
Left: 11.544+/-205.836 χ^2/NDF: 67.0/47

Right: -190.607+/-226.084 χ^2/NDF: 52.5/58

In: -483.273+/-217.494 χ^2/NDF:36.3/49

Out: 306.892+/-213.072 χ^2/NDF:76.8/56

All: -80.076+/-152.204 χ^2/NDF: 119.9/106



Right In: 1276.212+/-0.229 χ^2/NDF: 528343.0/26

Left Out: 1266.968+/-0.204 χ^2/NDF:187545.6/24

Right Out: 1289.688+/-0.223 χ^2/NDF: 489542.4/31

Left In: 1257.551+/-0.208 χ^2/NDF:36816.3/22

Left: 1262.345+/-0.146 χ^2/NDF: 225407.9/47

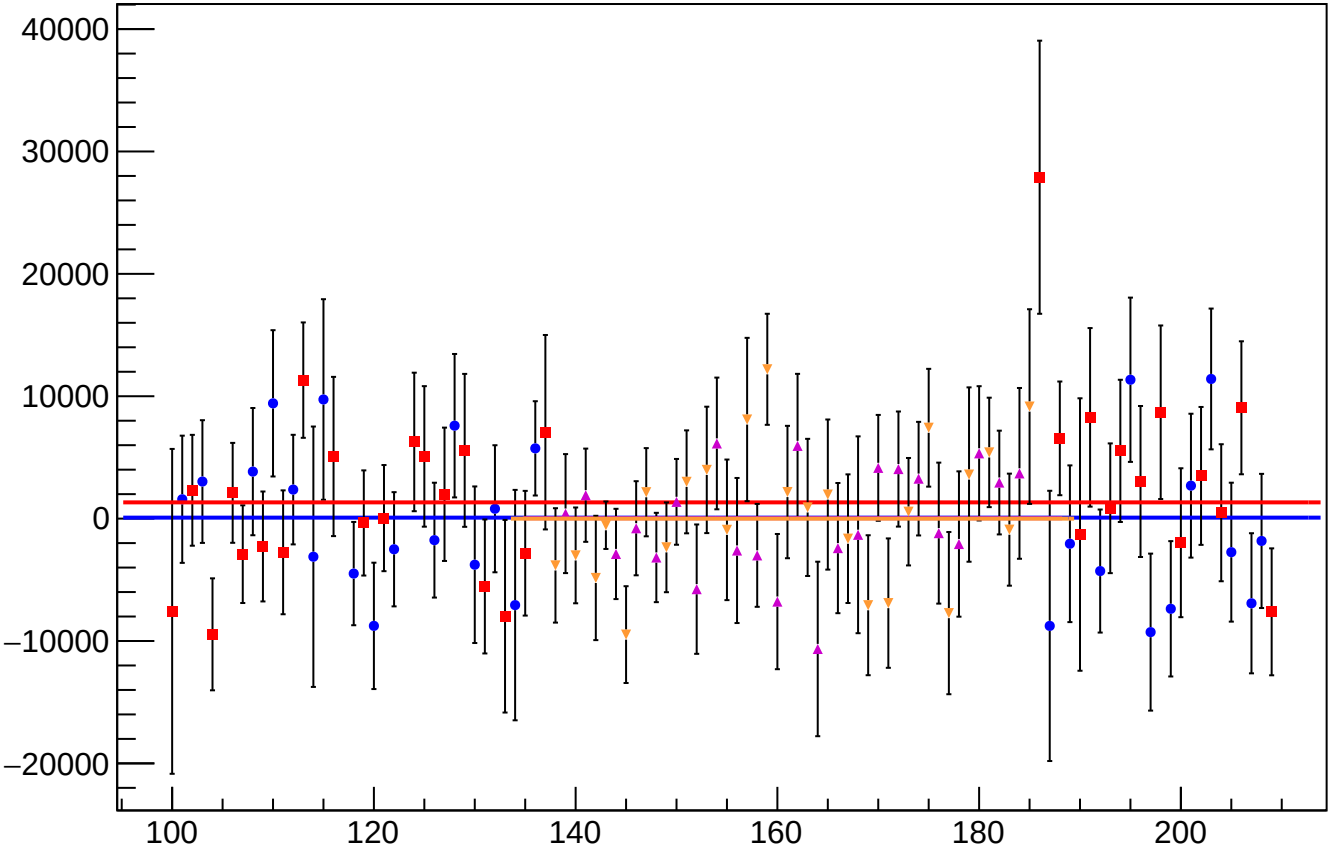
Right: 1283.113+/-0.160 χ^2/NDF: 1019662.2/58

In: 1265.984+/-0.154 χ^2/NDF:568806.0/49

Out: 1277.303+/-0.151 χ^2/NDF:682731.0/56

All: 1271.762+/-0.108 χ^2/NDF: 1254302.3/10

asym_at1_avg_at2_avg_dd_cor_correction_mean vs Slug, Sign Corrected



Right In: 80.325+/-1068.965 χ^2/NDF: 28.7/26

Left Out: -0.541+/-886.487 χ^2/NDF:29.1/24

Right Out: 1327.247+/-967.445 χ^2/NDF: 34.4/31

Left In: 31.597+/-995.347 χ^2/NDF:14.0/22

Left: 13.675+/-661.996 χ^2/NDF: 43.1/47

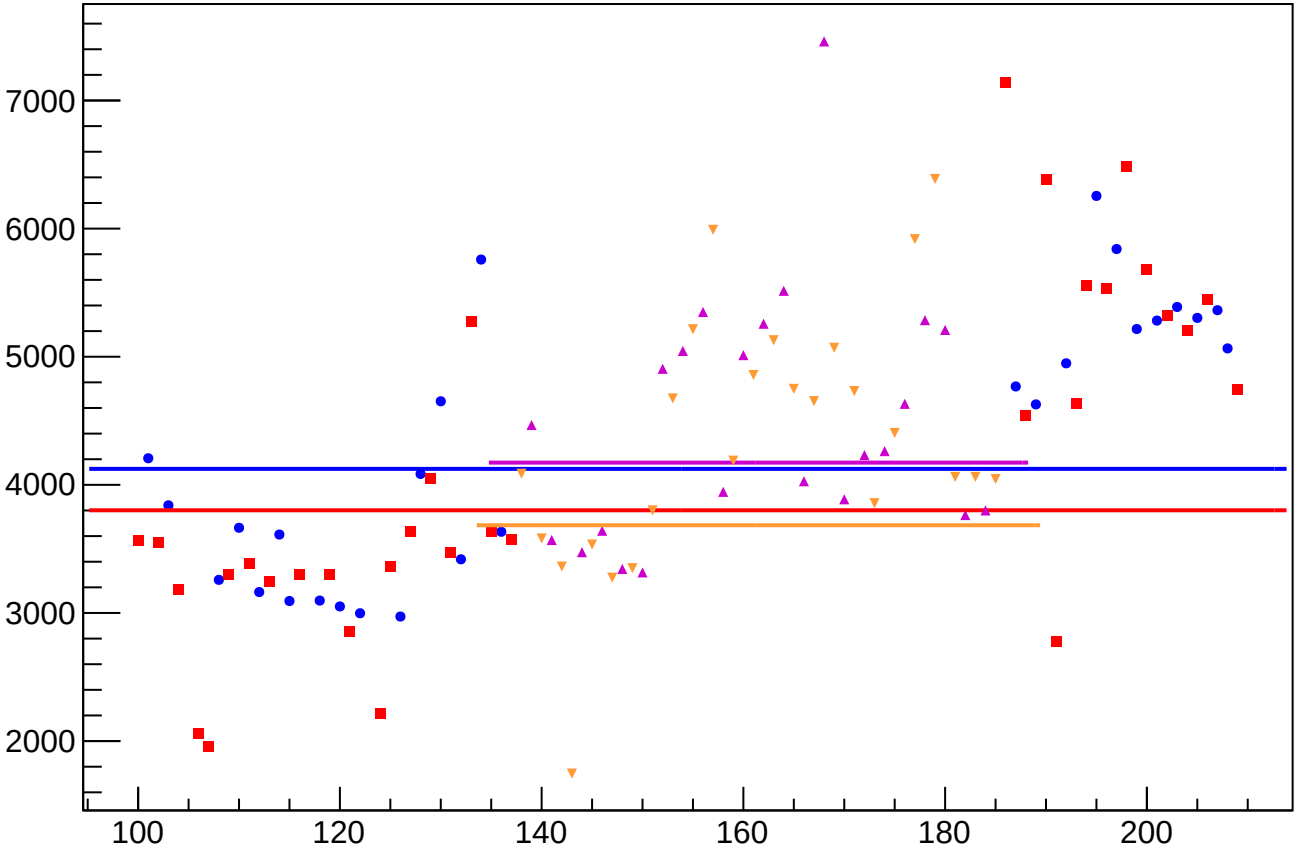
Right: 765.794+/-717.300 χ^2/NDF: 63.9/58

In: 54.226+/-728.453 χ^2/NDF:42.7/49

Out: 605.481+/-653.591 χ^2/NDF:64.5/56

All: 359.626+/-486.480 χ^2/NDF: 107.6/106

asym_at1_avg_at2_avg_dd_cor_correction_rms vs Slug, Sign Corrected



Right In: 4124.687+/-0.756 χ^2/NDF: 1696967.8/26

Left Out: 3684.762+/-0.627 χ^2/NDF:3693687.2/24

Right Out: 3801.458+/-0.684 χ^2/NDF: 3054663.8/31

Left In: 4173.550+/-0.704 χ^2/NDF:1274967.5/22

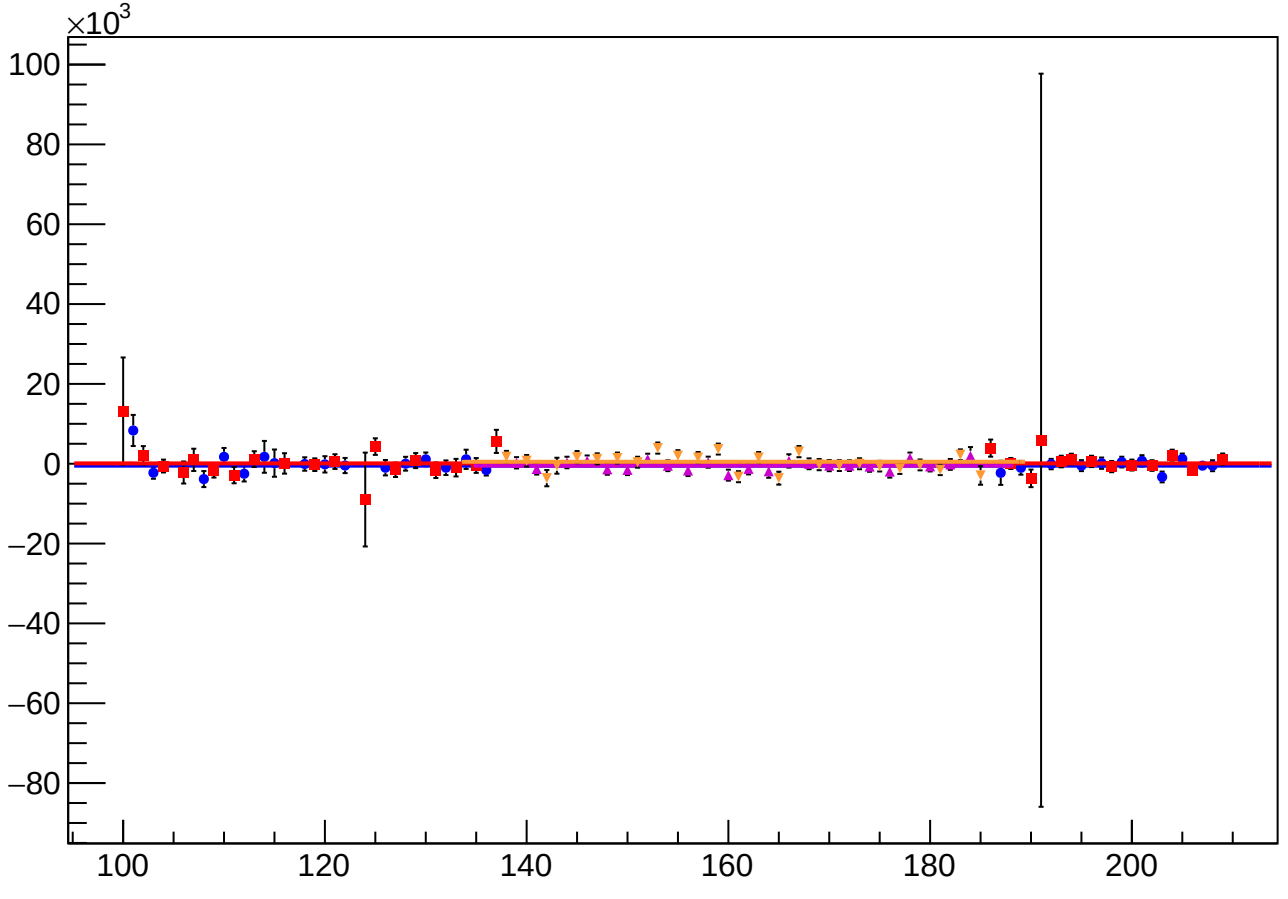
Left: 3900.975+/-0.468 χ^2/NDF: 5237615.0/47

Right: 3946.999+/-0.507 χ^2/NDF: 4852156.2/58

In: 4150.859+/-0.515 χ^2/NDF:2974173.6/49

Out: 3738.024+/-0.462 χ^2/NDF:6764169.3/56

All: 3922.144+/-0.344 χ^2/NDF: 10094217.6/1



Right In: -479.091+/-323.549 χ^2/NDF: 21.9/26

Left Out: 492.079+/-288.495 χ^2/NDF:46.9/24

Right Out: 84.649+/-316.044 χ^2/NDF: 29.0/31

Left In: -486.720+/-293.769 χ^2/NDF:14.4/22

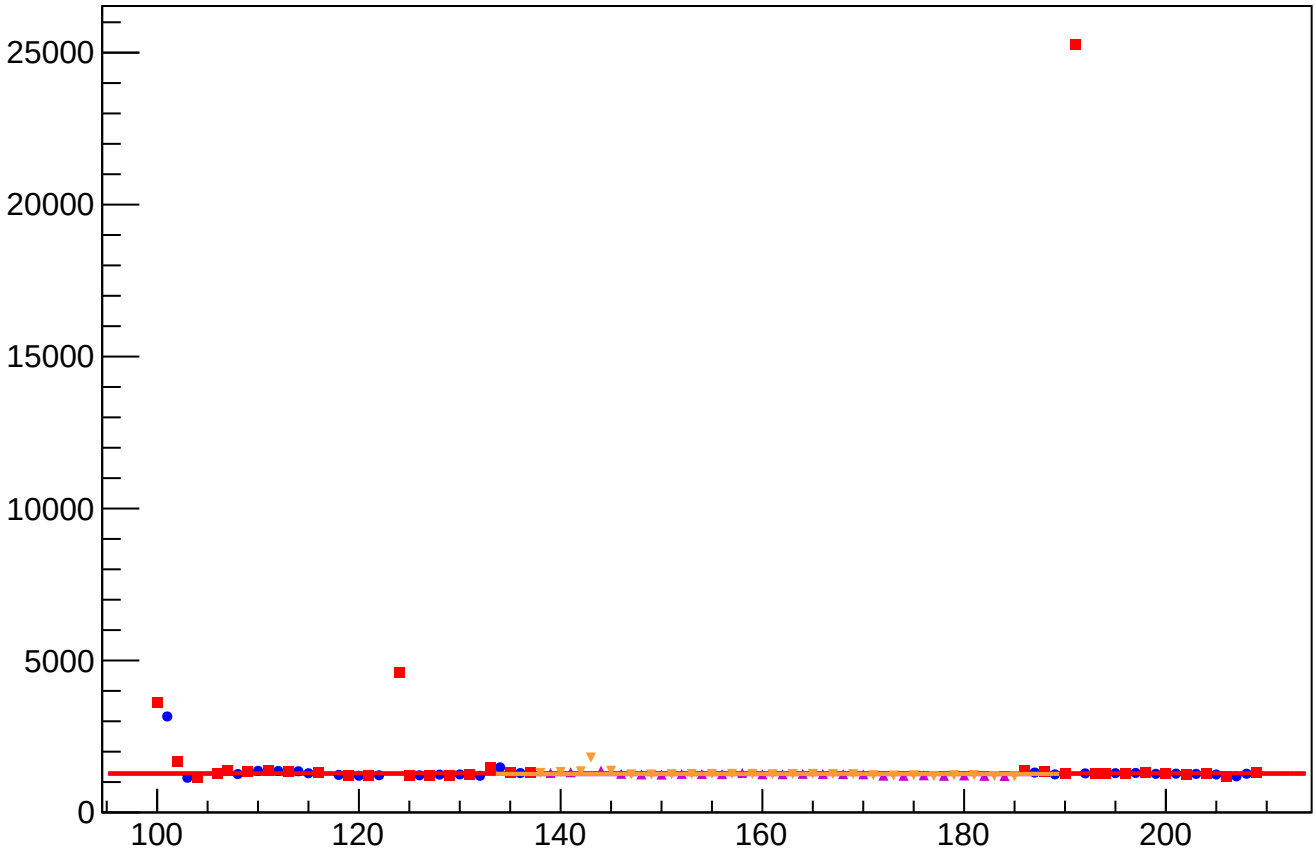
Left: 11.544+/-205.836 χ^2/NDF: 67.0/47

Right: -190.607+/-226.084 χ^2/NDF: 52.5/58

In: -483.273+/-217.494 χ^2/NDF:36.3/49

Out: 306.892+/-213.072 χ^2/NDF:76.8/56

All: -80.076+/-152.204 χ^2/NDF: 119.9/106



Right In: 1276.212+/-0.229 χ^2/NDF: 528343.0/26

Left Out: 1266.968+/-0.204 χ^2/NDF:187545.6/24

Right Out: 1289.688+/-0.223 χ^2/NDF: 489542.4/31

Left In: 1257.551+/-0.208 χ^2/NDF:36816.3/22

Left: 1262.345+/-0.146 χ^2/NDF: 225407.9/47

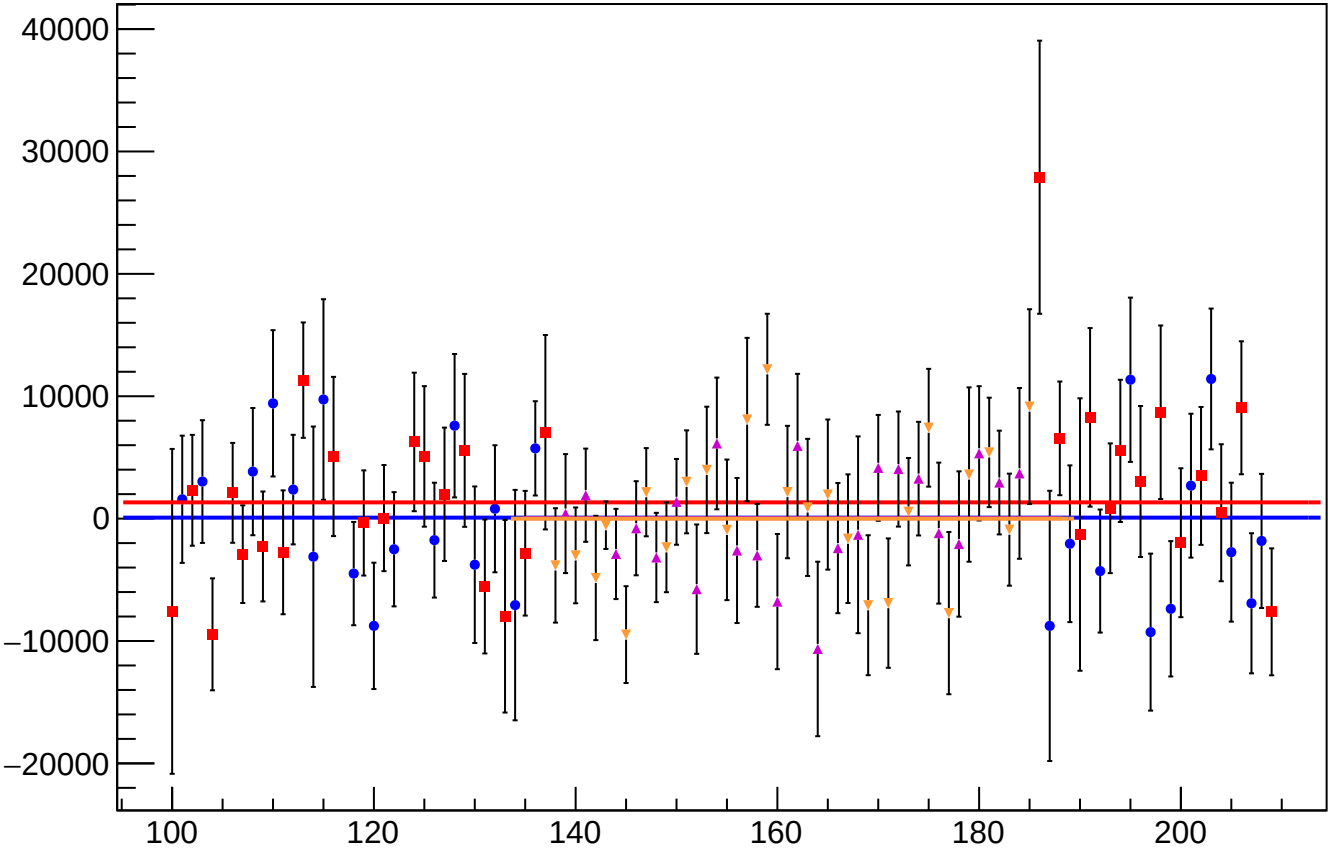
Right: 1283.113+/-0.160 χ^2/NDF: 1019662.2/58

In: 1265.984+/-0.154 χ^2/NDF:568806.0/49

Out: 1277.303+/-0.151 χ^2/NDF:682731.0/56

All: 1271.762+/-0.108 χ^2/NDF: 1254302.3/10

asym_at1_avg_at2_avg_dd_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: 80.325+/-1068.965 χ^2/NDF: 28.7/26

Left Out: -0.541+/-886.487 χ^2/NDF:29.1/24

Right Out: 1327.247+/-967.445 χ^2/NDF: 34.4/31

Left In: 31.597+/-995.347 χ^2/NDF:14.0/22

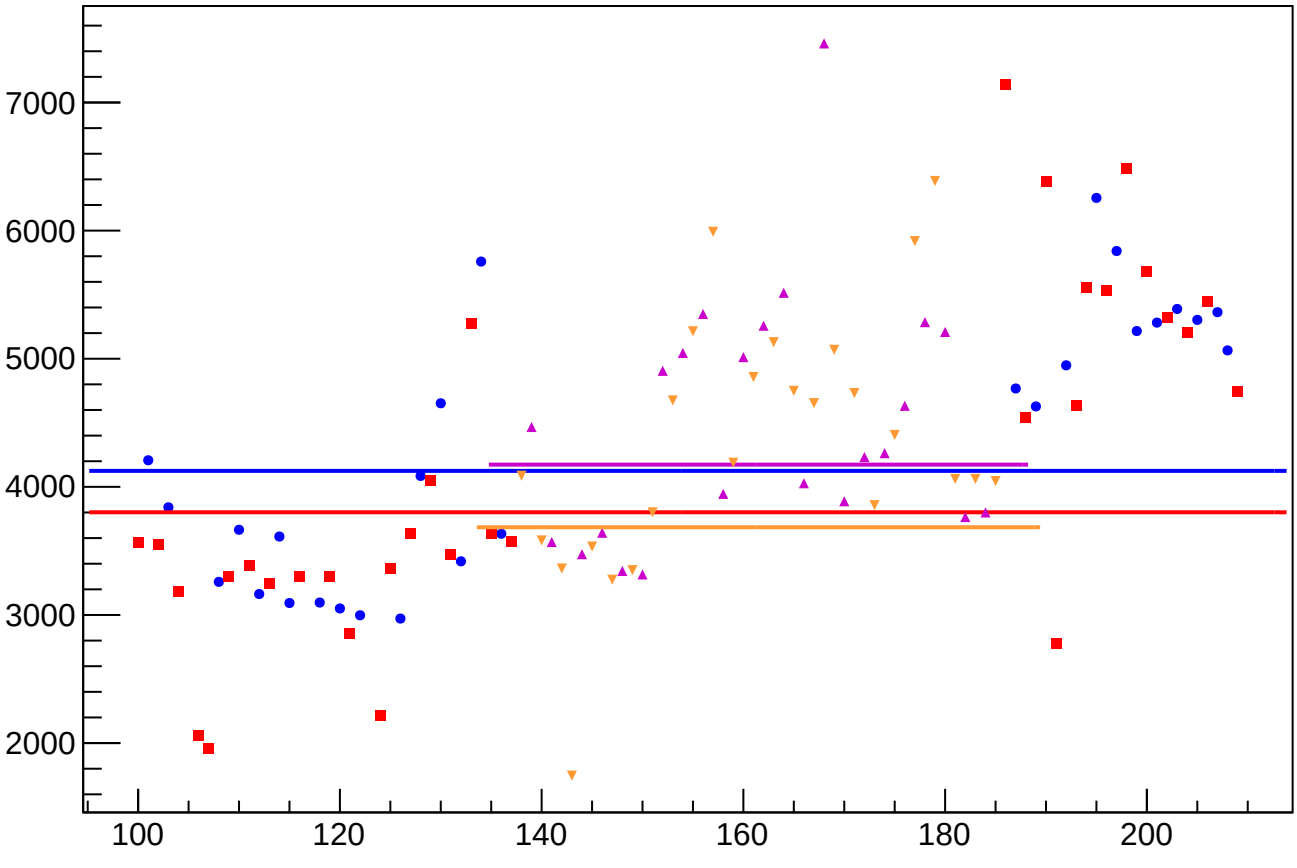
Left: 13.675+/-661.996 χ^2/NDF: 43.1/47

Right: 765.794+/-717.300 χ^2/NDF: 63.9/58

In: 54.226+/-728.453 χ^2/NDF:42.7/49

Out: 605.481+/-653.591 χ^2/NDF:64.5/56

All: 359.626+/-486.480 χ^2/NDF: 107.6/106



Right In: 4124.687+/-0.756 χ^2/NDF: 1696967.8/26

Left Out: 3684.762+/-0.627 χ^2/NDF:3693687.2/24

Right Out: 3801.458+/-0.684 χ^2/NDF: 3054663.8/31

Left In: 4173.550+/-0.704 χ^2/NDF:1274967.5/22

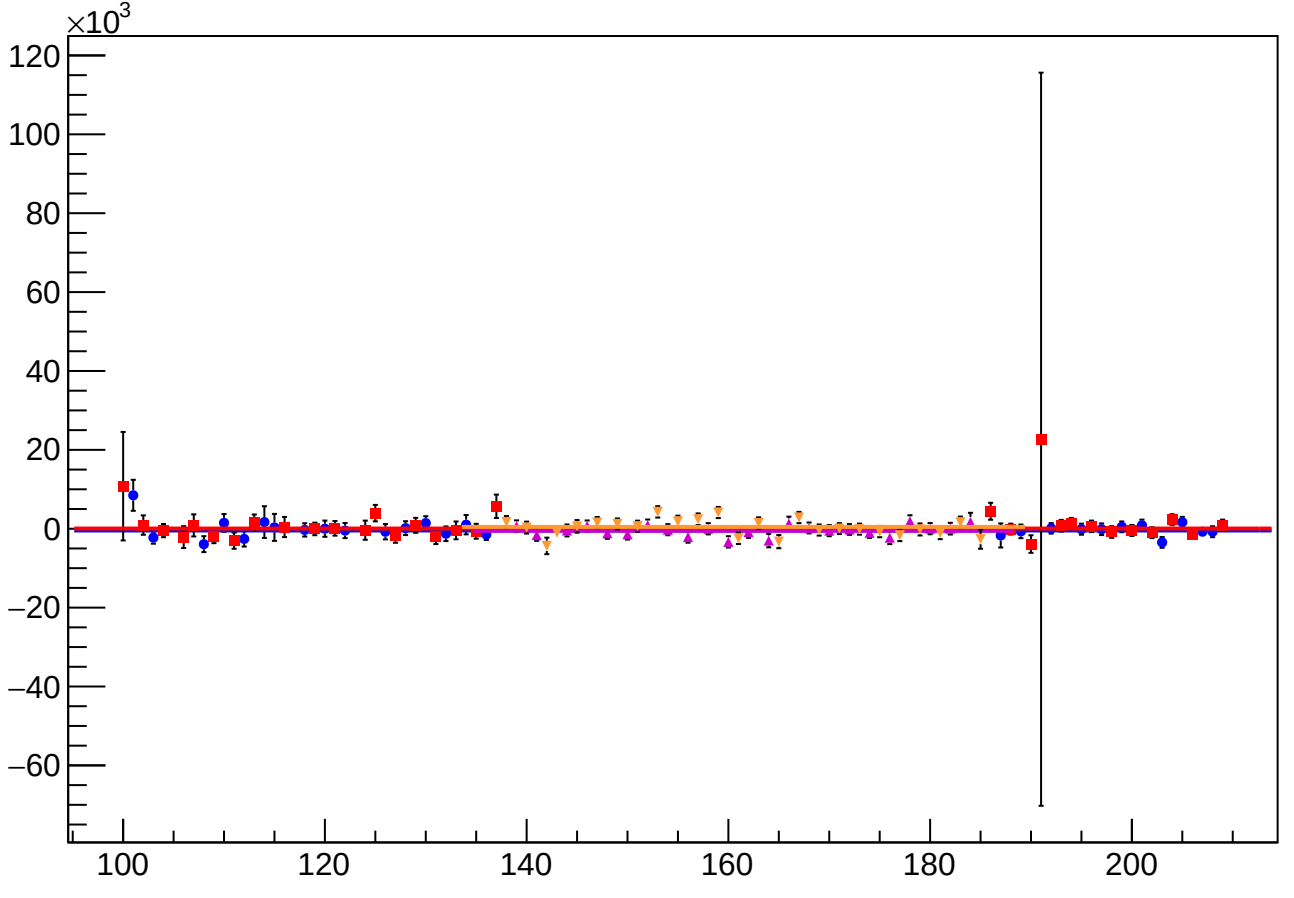
Left: 3900.975+/-0.468 χ^2/NDF: 5237615.0/47

Right: 3946.999+/-0.507 χ^2/NDF: 4852156.2/58

In: 4150.859+/-0.515 χ^2/NDF:2974173.6/49

Out: 3738.024+/-0.462 χ^2/NDF:6764169.3/56

All: 3922.144+/-0.344 χ^2/NDF: 10094217.6/1



Right In: -436.980+/-328.073 χ^2/NDF: 23.3/26

Left Out: 467.929+/-294.257 χ^2/NDF:44.1/24

Right Out: 47.938+/-318.441 χ^2/NDF: 29.4/31

Left In: -503.558+/-307.055 χ^2/NDF:17.4/22

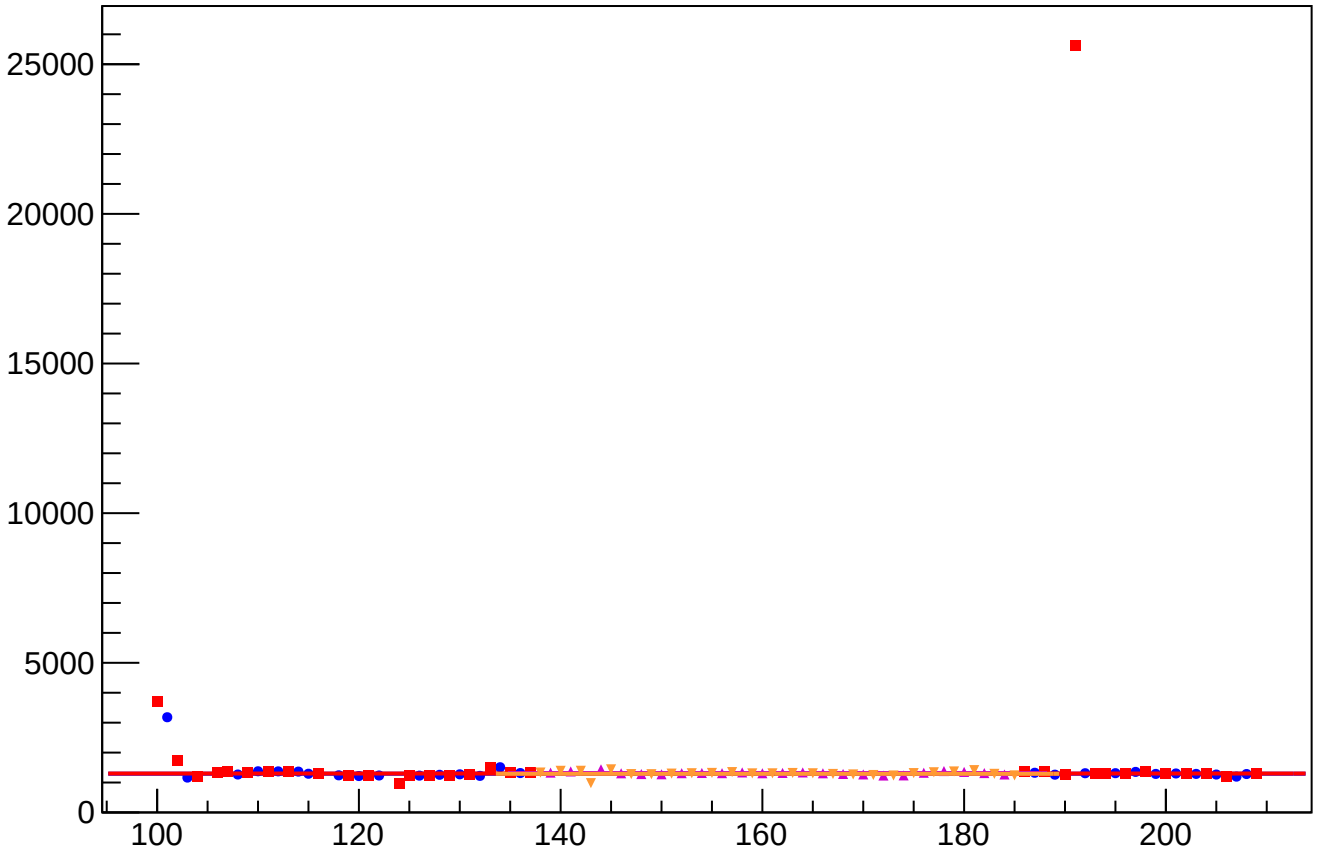
Left: 2.853+/-212.452 χ^2/NDF: 66.7/47

Right: -187.298+/-228.501 χ^2/NDF: 53.8/58

In: -472.470+/-224.183 χ^2/NDF:40.7/49

Out: 274.485+/-216.116 χ^2/NDF:74.4/56

All: -85.311+/-155.591 χ^2/NDF: 120.9/106



Right In: 1293.910+/-0.232 χ^2/NDF: 528931.1/26

Left Out: 1291.211+/-0.208 χ^2/NDF:230735.1/24

Right Out: 1300.850+/-0.225 χ^2/NDF: 378231.7/31

Left In: 1314.006+/-0.217 χ^2/NDF:43044.7/22

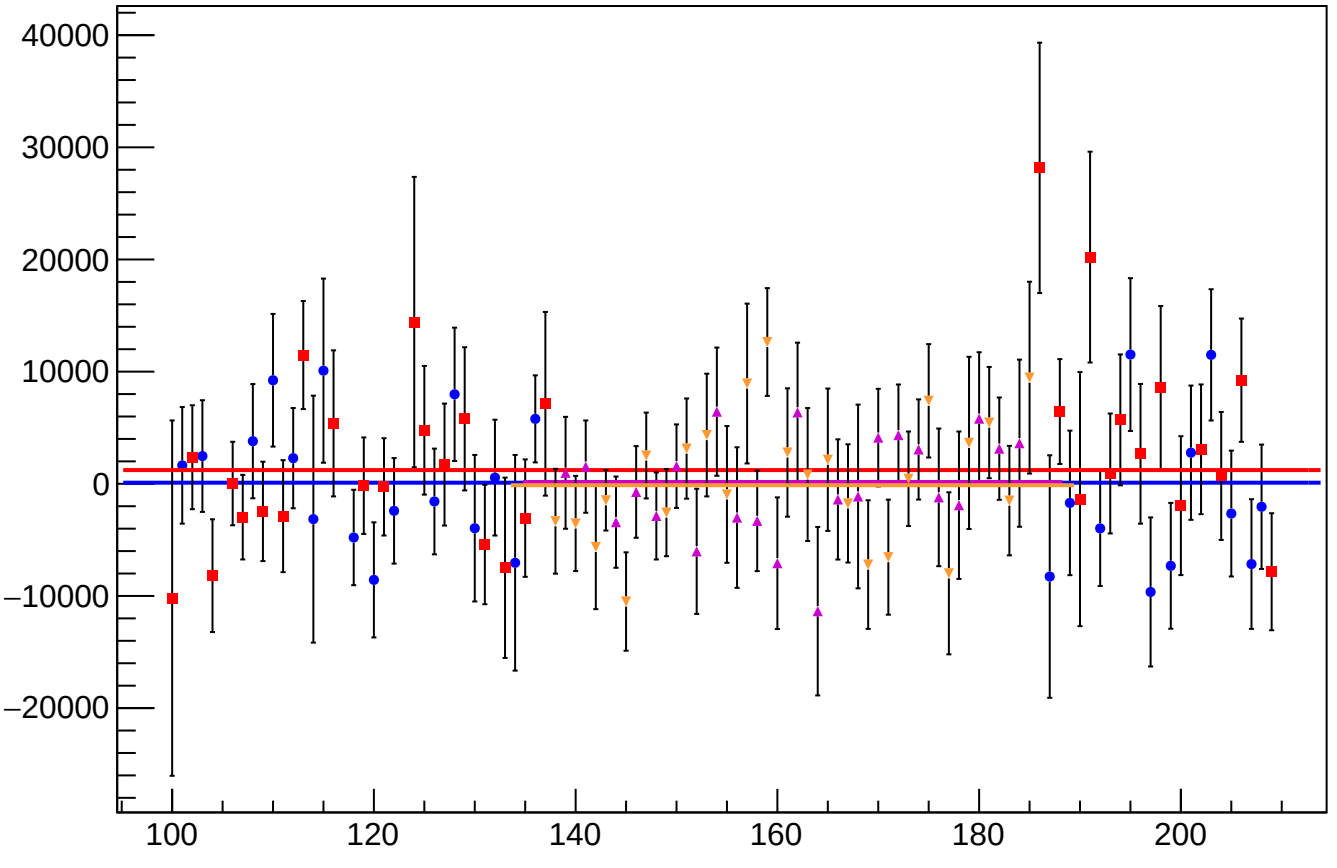
Left: 1302.123+/-0.150 χ^2/NDF: 279525.5/47

Right: 1297.484+/-0.162 χ^2/NDF: 907623.8/58

In: 1304.622+/-0.159 χ^2/NDF:575976.0/49

Out: 1295.652+/-0.153 χ^2/NDF:609955.6/56

All: 1299.972+/-0.110 χ^2/NDF: 1187591.5/10



Right In: 98.258+/-1074.950 χ^2/NDF: 28.4/26

Left Out: -127.273+/-977.231 χ^2/NDF:28.6/24

Right Out: 1222.316+/-984.024 χ^2/NDF: 36.2/31

Left In: 159.452+/-1045.510 χ^2/NDF:13.8/22

Left: 6.422+/-713.925 χ^2/NDF: 42.4/47

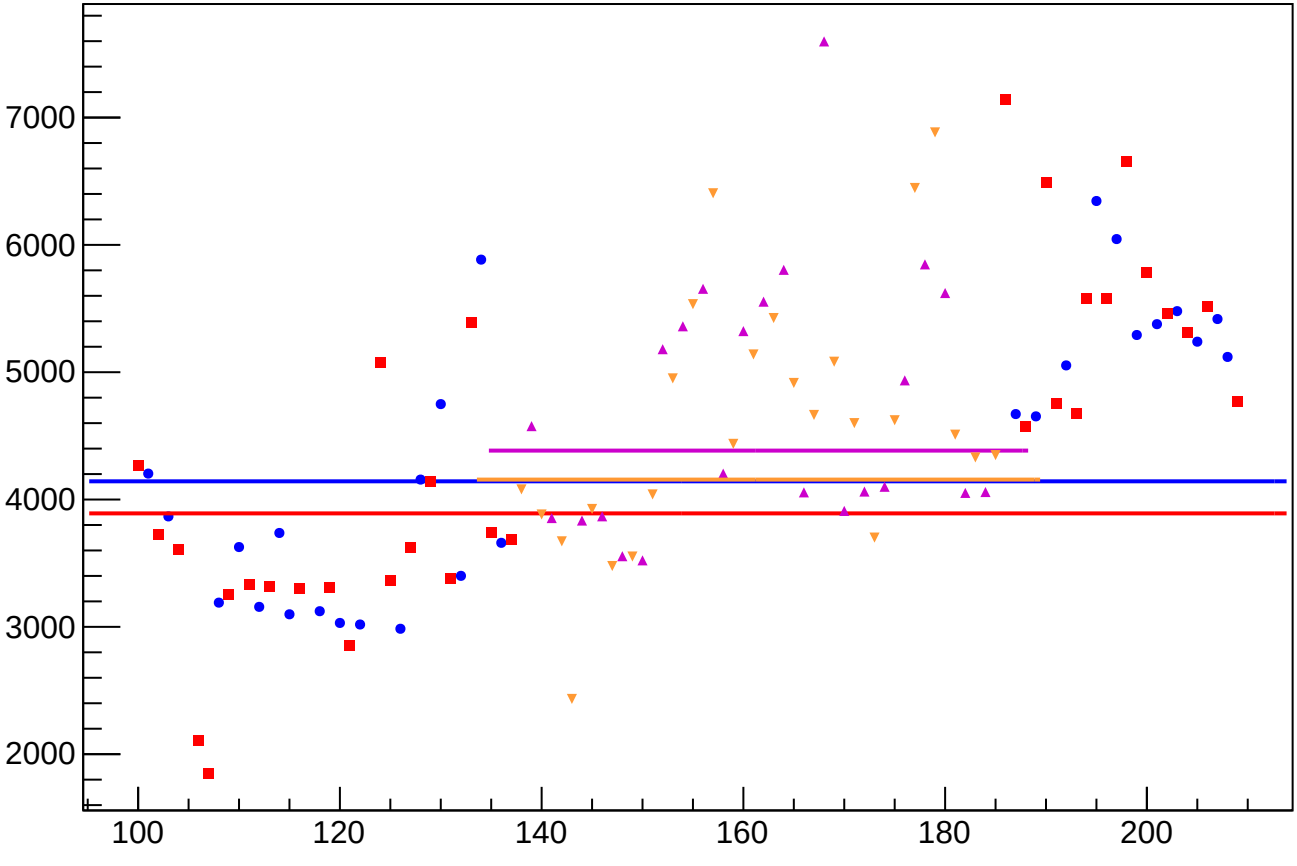
Right: 709.830+/-725.830 χ^2/NDF: 65.2/58

In: 129.705+/-749.479 χ^2/NDF:42.2/49

Out: 542.847+/-693.396 χ^2/NDF:65.7/56

All: 352.310+/-508.978 χ^2/NDF: 108.1/106

asym_at1_avg_at2_avg_dd_dit_correction_rms vs Slug, Sign Corrected



Right In: 4143.082+/-0.760 χ^2/NDF: 1785243.1/26

Left Out: 4156.582+/-0.691 χ^2/NDF:2080766.1/24

Right Out: 3891.188+/-0.696 χ^2/NDF: 3116996.9/31

Left In: 4384.323+/-0.739 χ^2/NDF:1255470.8/22

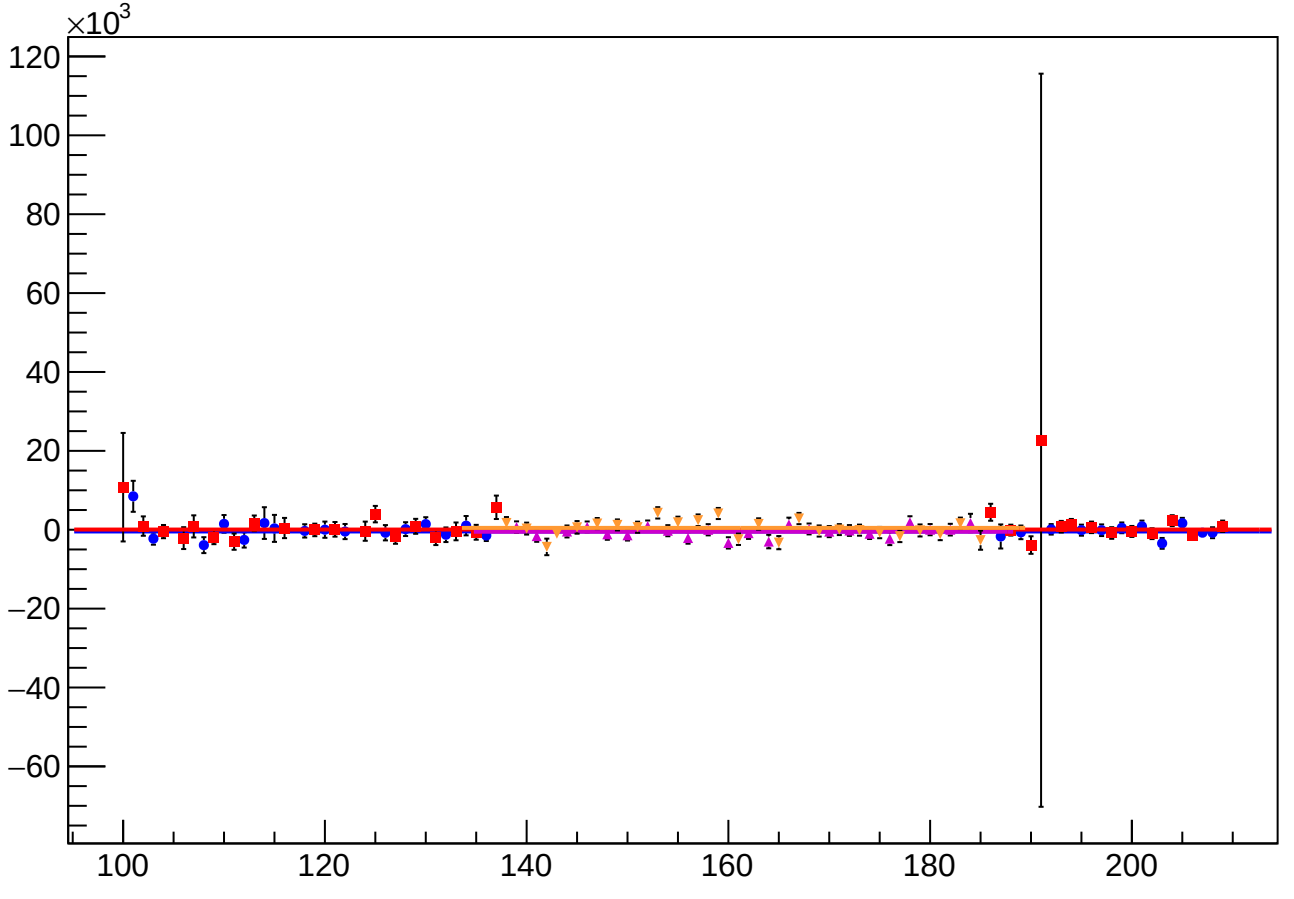
Left: 4262.773+/-0.505 χ^2/NDF: 3386885.6/47

Right: 4006.033+/-0.513 χ^2/NDF: 4961991.5/58

In: 4267.051+/-0.530 χ^2/NDF:3092476.6/49

Out: 4024.804+/-0.490 χ^2/NDF:5271006.5/56

All: 4136.526+/-0.360 χ^2/NDF: 8476063.9/10



Right In: -436.981+/-328.073 χ^2/NDF: 23.3/26

Left Out: 467.933+/-294.257 χ^2/NDF:44.1/24

Right Out: 47.936+/-318.441 χ^2/NDF: 29.4/31

Left In: -503.558+/-307.056 χ^2/NDF:17.4/22

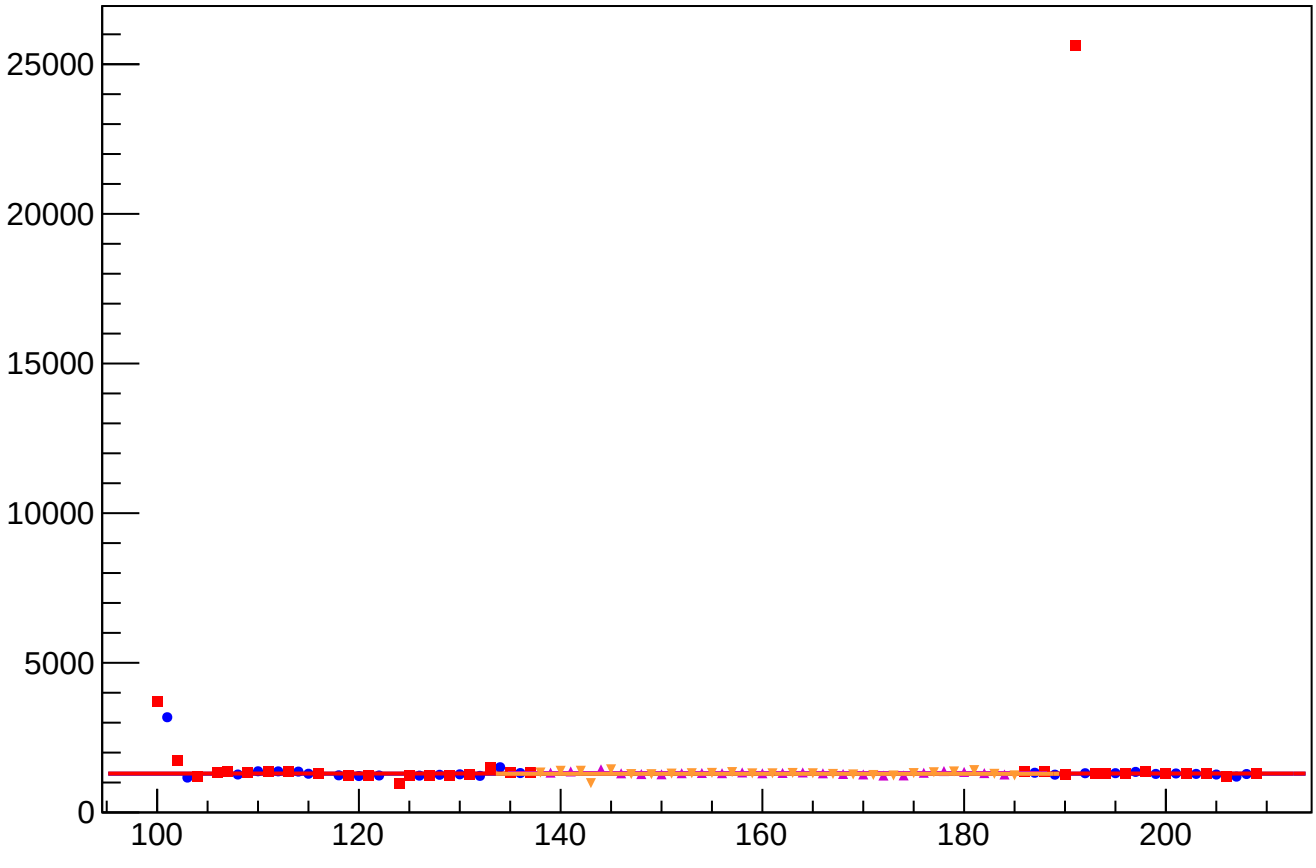
Left: 2.855+/-212.452 χ^2/NDF: 66.7/47

Right: -187.299+/-228.501 χ^2/NDF: 53.8/58

In: -472.470+/-224.183 χ^2/NDF:40.7/49

Out: 274.486+/-216.116 χ^2/NDF:74.4/56

All: -85.310+/-155.591 χ^2/NDF: 120.9/106



Right In: 1293.910+/-0.232 χ^2/NDF: 528931.2/26

Left Out: 1291.212+/-0.208 χ^2/NDF:230737.6/24

Right Out: 1300.850+/-0.225 χ^2/NDF: 378231.8/31

Left In: 1314.007+/-0.217 χ^2/NDF:43046.8/22

Left: 1302.125+/-0.150 χ^2/NDF: 279530.2/47

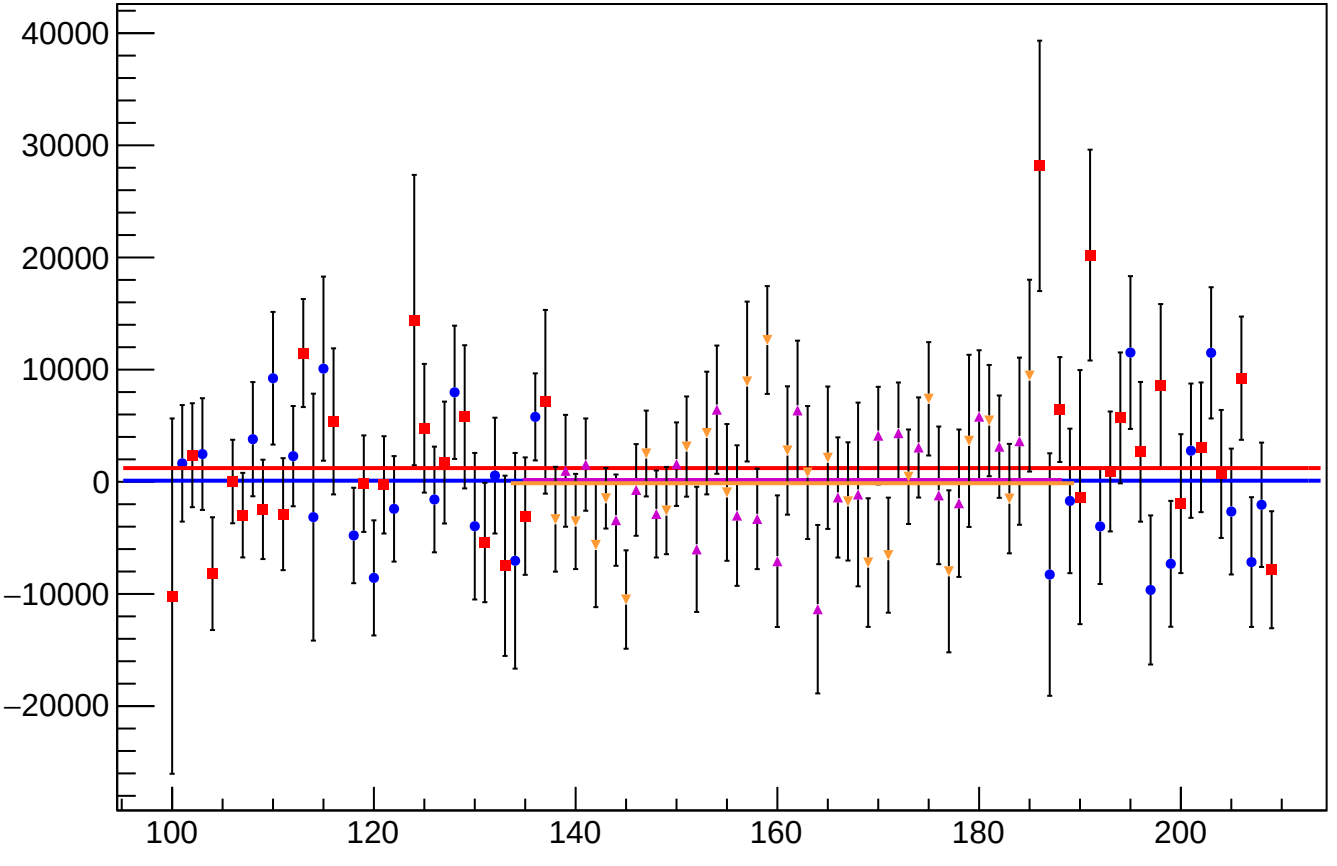
Right: 1297.485+/-0.162 χ^2/NDF: 907624.0/58

In: 1304.623+/-0.159 χ^2/NDF:575978.8/49

Out: 1295.653+/-0.153 χ^2/NDF:609958.0/56

All: 1299.973+/-0.110 χ^2/NDF: 1187596.6/10

asym_at1_avg_at2_avg_dd_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: 98.254+/-1074.949 χ^2/NDF: 28.4/26

Left Out: -127.271+/-977.232 χ^2/NDF:28.6/24

Right Out: 1222.309+/-984.023 χ^2/NDF: 36.2/31

Left In: 159.454+/-1045.511 χ^2/NDF:13.8/22

Left: 6.424+/-713.926 χ^2/NDF: 42.4/47

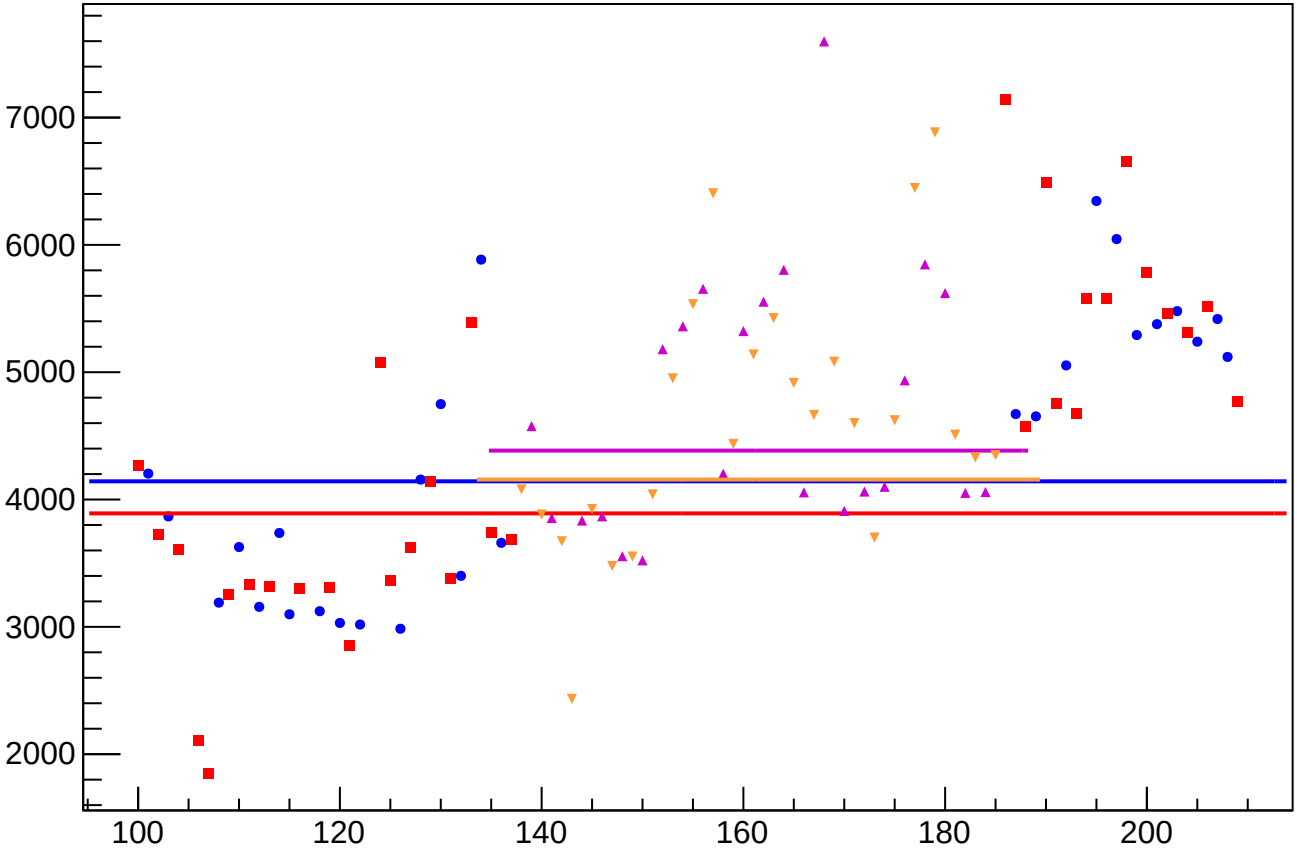
Right: 709.824+/-725.830 χ^2/NDF: 65.2/58

In: 129.703+/-749.479 χ^2/NDF:42.2/49

Out: 542.846+/-693.396 χ^2/NDF:65.7/56

All: 352.309+/-508.978 χ^2/NDF: 108.1/106

asym_at1_avg_at2_avg_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 4143.076+/-0.760 χ^2/NDF: 1785274.0/26

Left Out: 4156.588+/-0.691 χ^2/NDF:2080769.0/24

Right Out: 3891.181+/-0.696 χ^2/NDF: 3117026.5/31

Left In: 4384.329+/-0.739 χ^2/NDF:1255475.0/22

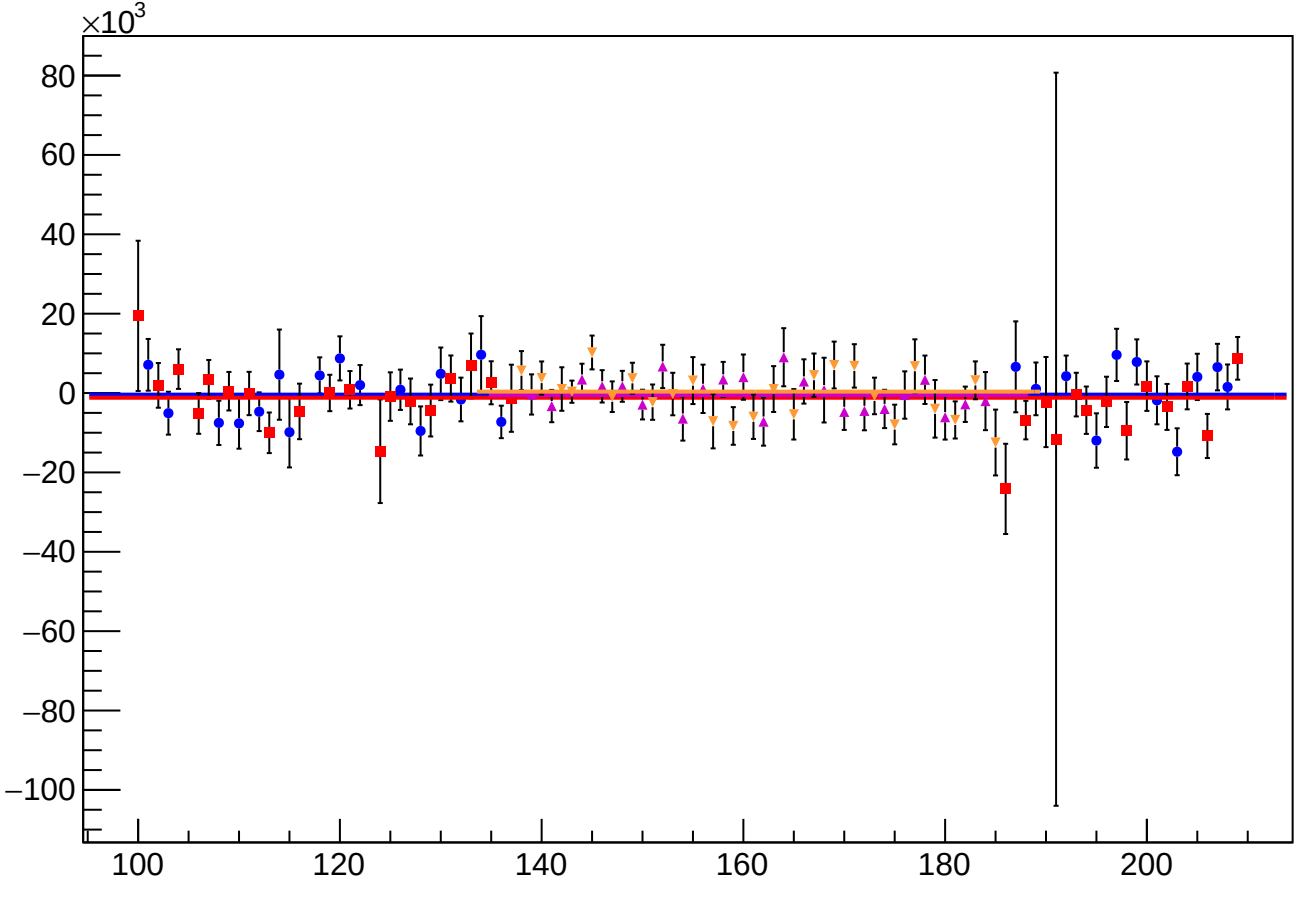
Left: 4262.780+/-0.505 χ^2/NDF: 3386892.6/47

Right: 4006.026+/-0.513 χ^2/NDF: 4962052.1/58

In: 4267.051+/-0.530 χ^2/NDF:3092517.2/49

Out: 4024.804+/-0.490 χ^2/NDF:5271045.9/56

All: 4136.526+/-0.360 χ^2/NDF: 8476144.2/10



Right In: -403.476+/-1135.087 χ^2/NDF: 34.5/26

Left Out: 362.528+/-979.860 χ^2/NDF:27.7/24

Right Out: -1182.217+/-1068.563 χ^2/NDF: 26.3/31

Left In: -497.522+/-1044.707 χ^2/NDF:13.9/22

Left: -39.978+/-714.692 χ^2/NDF: 41.9/47

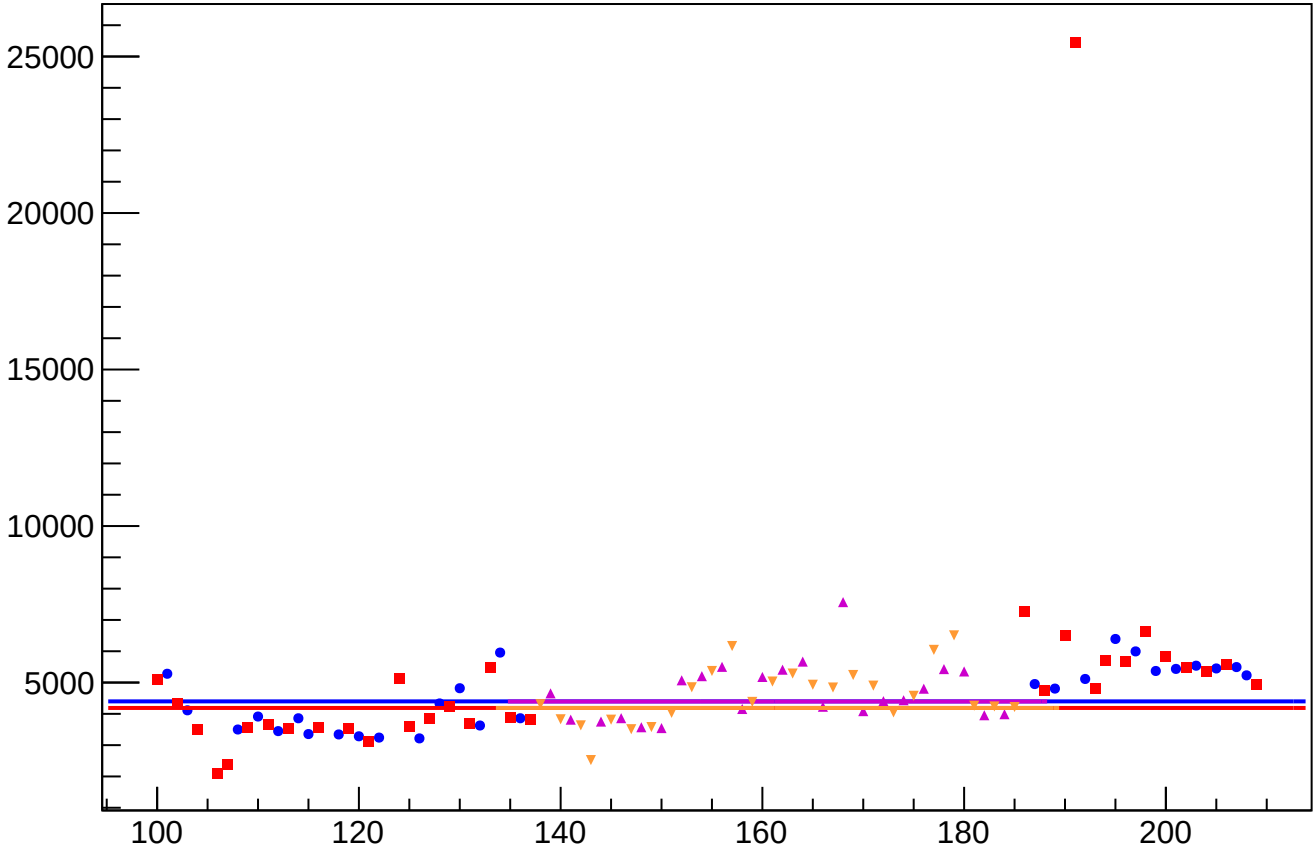
Right: -816.334+/-778.044 χ^2/NDF: 61.1/58

In: -454.392+/-768.688 χ^2/NDF:48.4/49

Out: -343.078+/-722.192 χ^2/NDF:55.1/56

All: -395.267+/-526.337 χ^2/NDF: 103.5/106

asym_at1_avg_at2_avg_dd_rms vs Slug, Sign Corrected



Right In: 4398.565+/-0.803 χ^2/NDF: 1456003.4/26

Left Out: 4187.848+/-0.693 χ^2/NDF:1796345.9/24

Right Out: 4188.173+/-0.749 χ^2/NDF: 2491206.0/31

Left In: 4394.324+/-0.739 χ^2/NDF:1088394.9/22

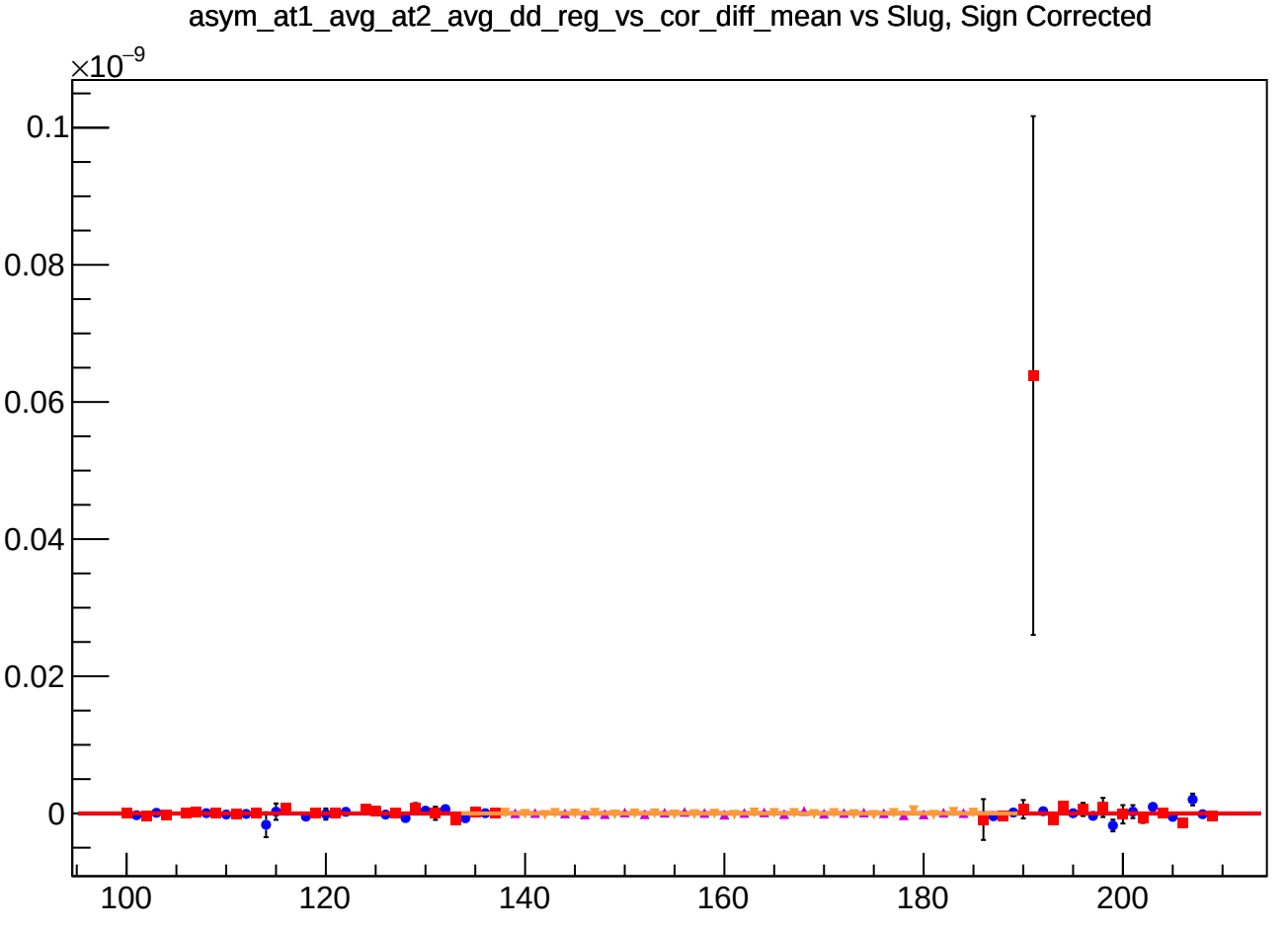
Left: 4284.479+/-0.505 χ^2/NDF: 2926302.1/47

Right: 4286.100+/-0.548 χ^2/NDF: 3983939.8/58

In: 4396.269+/-0.544 χ^2/NDF:2544413.4/49

Out: 4187.998+/-0.509 χ^2/NDF:4287551.9/56

All: 4285.225+/-0.371 χ^2/NDF: 6910246.6/10



Right In: -0.000+/-0.000 χ^2/NDF: 34.3/26

Left Out: -0.000+/-0.000 χ^2/NDF:30.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 33.9/31

Left In: 0.000+/-0.000 χ^2/NDF:17.0/22

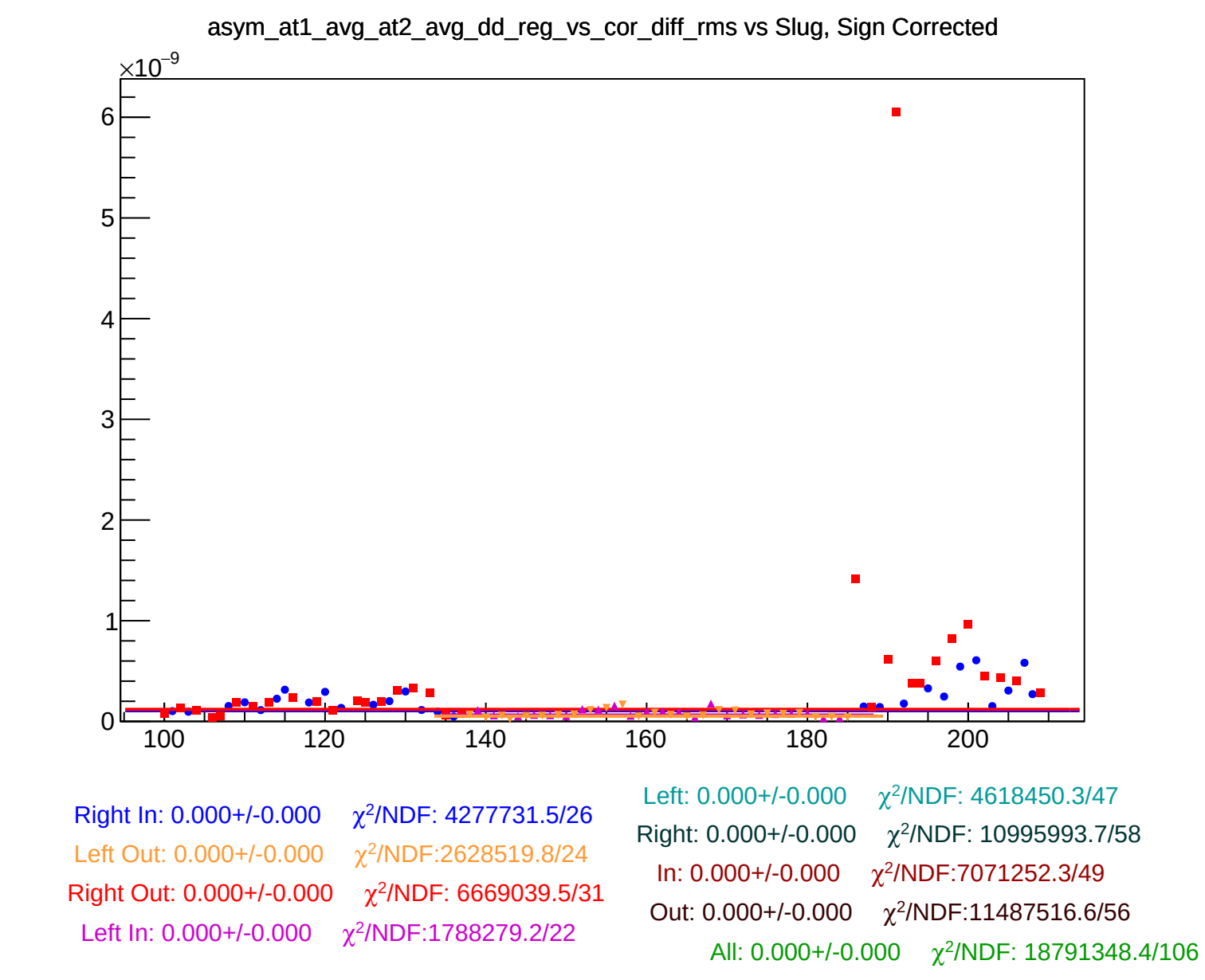
Left: 0.000+/-0.000 χ^2/NDF: 48.0/47

Right: -0.000+/-0.000 χ^2/NDF: 68.4/58

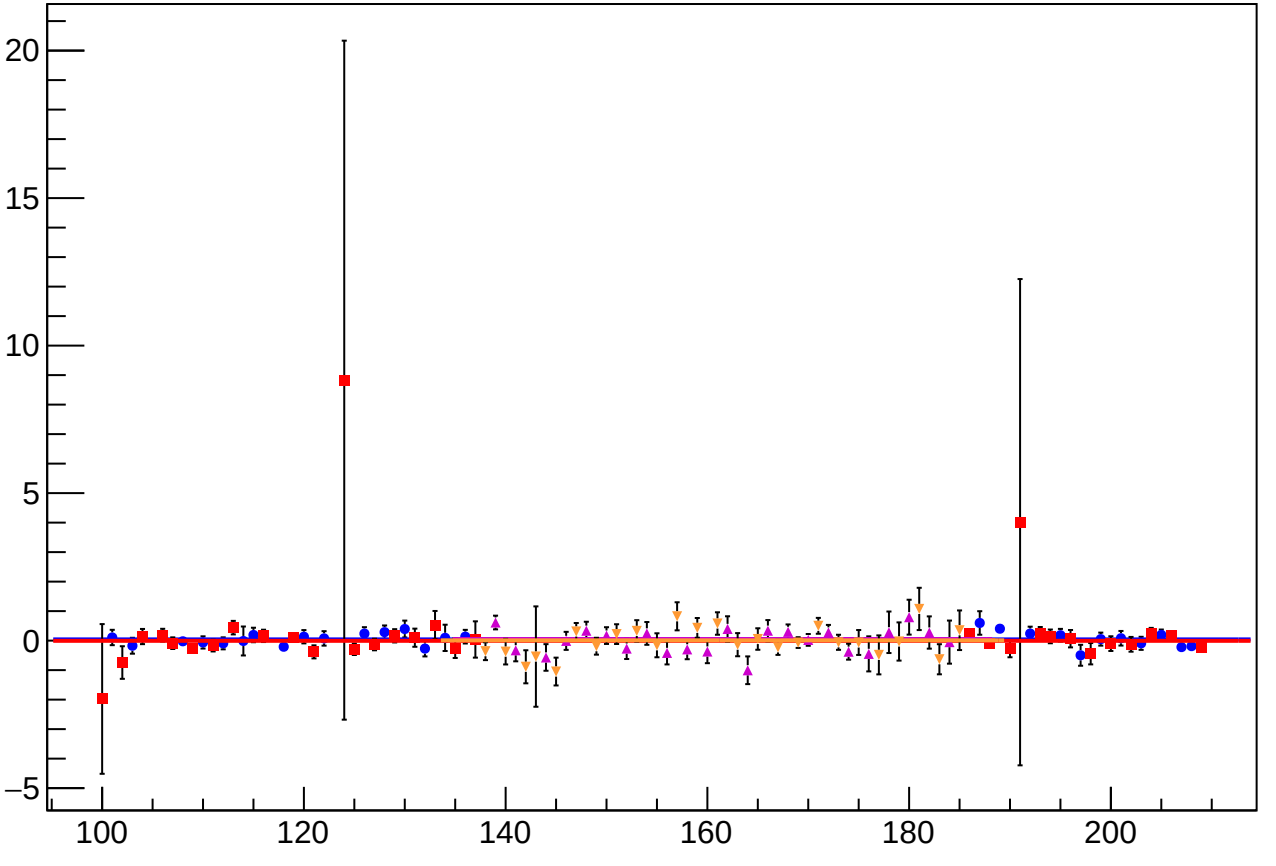
In: 0.000+/-0.000 χ^2/NDF:51.8/49

Out: -0.000+/-0.000 χ^2/NDF:64.4/56

All: 0.000+/-0.000 χ^2/NDF: 116.5/106


asym_at1_avg_at2_avg_dd_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
6
5
4
3
2
1
0
100
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 4277731.5/26
Left Out: 0.000+/-0.000 χ²/NDF:2628519.8/24
Right Out: 0.000+/-0.000 χ²/NDF: 6669039.5/31
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: 10995993.7/58
In: 0.000+/-0.000 χ²/NDF:7071252.3/49
Out: 0.000+/-0.000 χ²/NDF:11487516.6/56
All: 0.000+/-0.000 χ²/NDF: 18791348.4/106

asym_at1_avg_at2_avg_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.042+/-0.042 χ^2/NDF: 26.7/26

Left Out: 0.009+/-0.071 χ^2/NDF:28.9/24

Right Out: -0.007+/-0.038 χ^2/NDF: 33.9/31

Left In: 0.053+/-0.070 χ^2/NDF:27.8/22

Left: 0.032+/-0.050 χ^2/NDF: 56.8/47

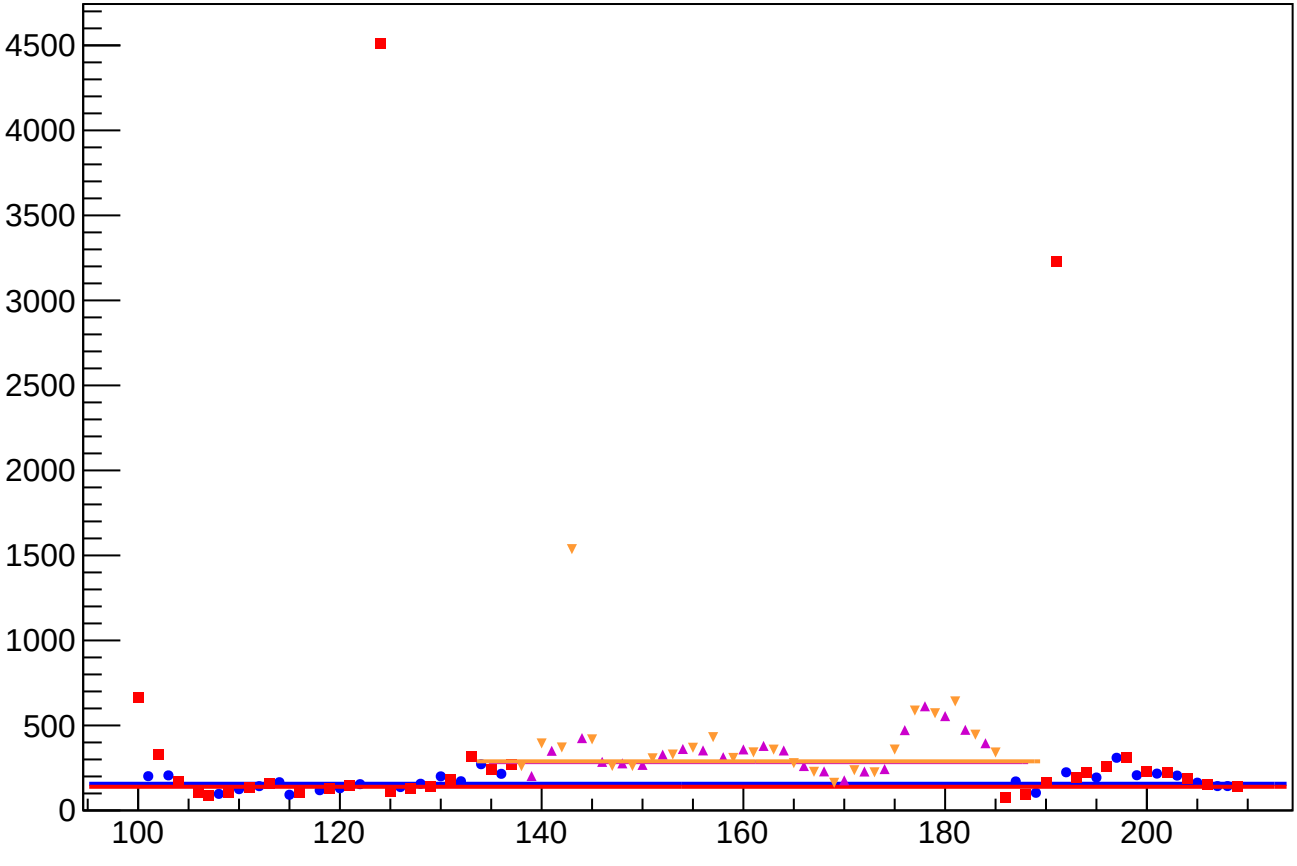
Right: 0.015+/-0.028 χ^2/NDF: 61.4/58

In: 0.045+/-0.036 χ^2/NDF:54.5/49

Out: -0.003+/-0.033 χ^2/NDF:62.9/56

All: 0.019+/-0.024 χ^2/NDF: 118.3/106

asym_at1_avg_at2_avg_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 157.039+/-0.030 χ^2/NDF: 2252194.5/26

Left Out: 288.922+/-0.050 χ^2/NDF:4648197.0/24

Right Out: 139.239+/-0.027 χ^2/NDF: 4674613.5/31

Left In: 284.168+/-0.050 χ^2/NDF:3077521.1/22

Left: 286.524+/-0.035 χ^2/NDF: 7730236.9/47

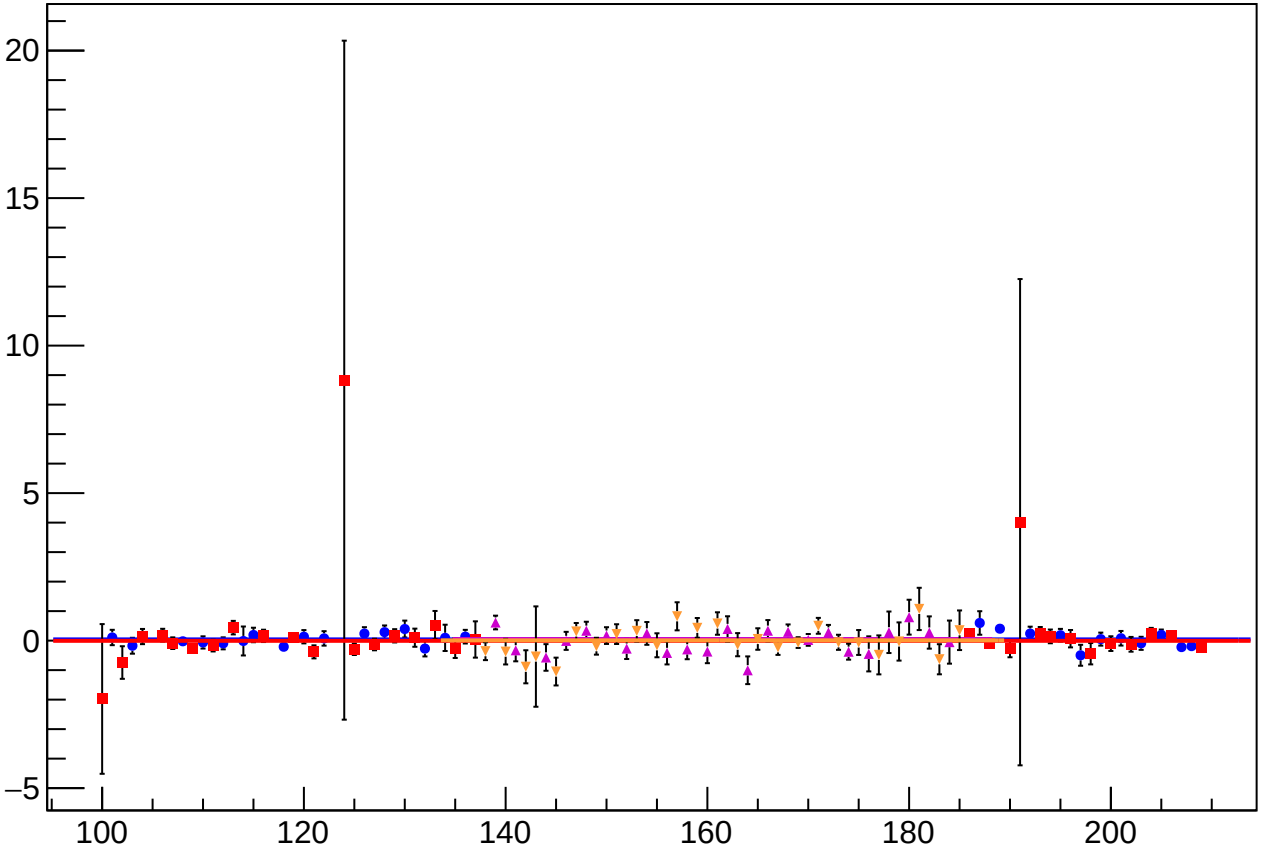
Right: 147.162+/-0.020 χ^2/NDF: 7126696.6/58

In: 190.338+/-0.025 χ^2/NDF:10142705.6/49

Out: 171.963+/-0.023 χ^2/NDF:16264971.5/56

All: 180.401+/-0.017 χ^2/NDF: 26688932.5/10

asym_at1_avg_at2_avg_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.042+/-0.042 χ^2/NDF: 26.7/26

Left Out: 0.009+/-0.071 χ^2/NDF:28.9/24

Right Out: -0.007+/-0.038 χ^2/NDF: 33.9/31

Left In: 0.053+/-0.070 χ^2/NDF:27.8/22

Left: 0.032+/-0.050 χ^2/NDF: 56.8/47

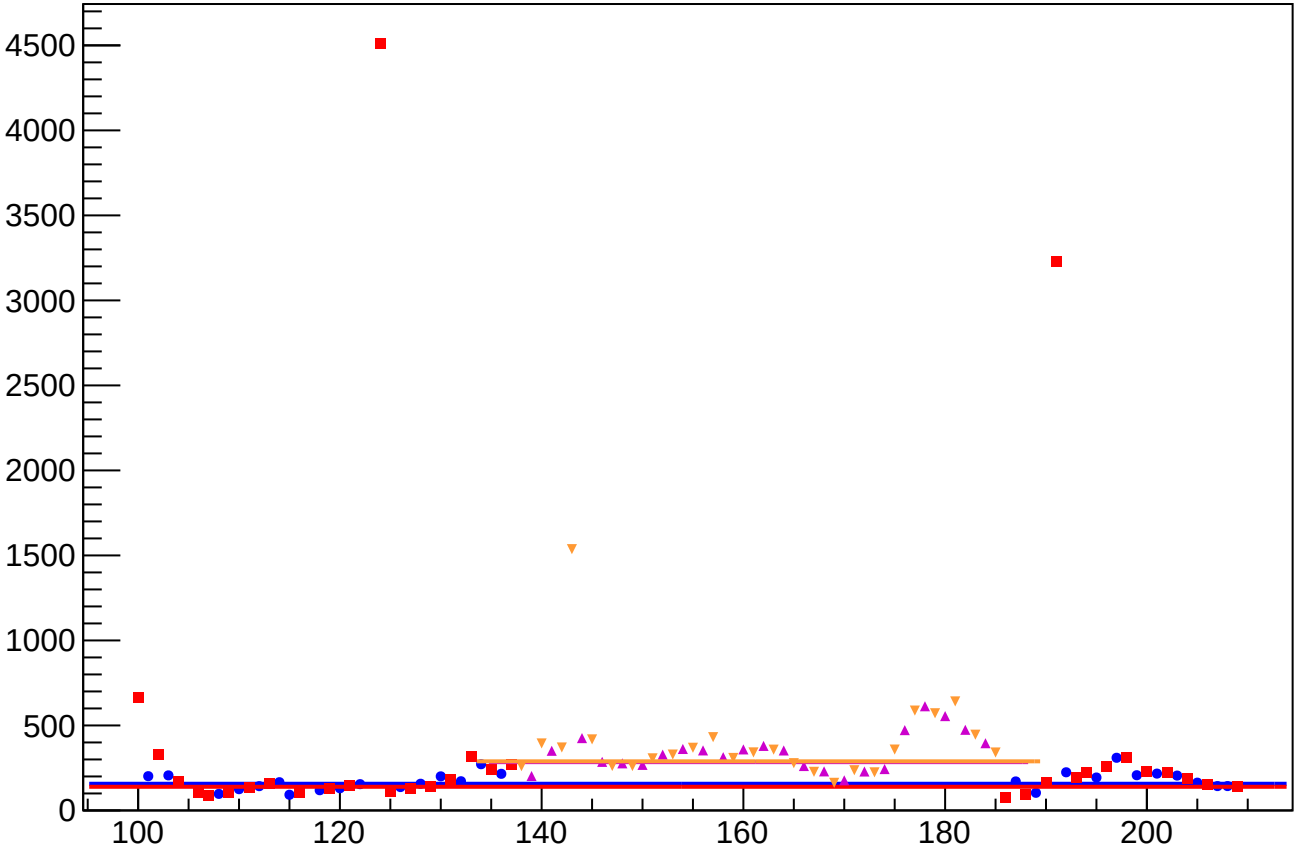
Right: 0.015+/-0.028 χ^2/NDF: 61.4/58

In: 0.045+/-0.036 χ^2/NDF:54.5/49

Out: -0.003+/-0.033 χ^2/NDF:62.9/56

All: 0.019+/-0.024 χ^2/NDF: 118.3/106

asym_at1_avg_at2_avg_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 157.039+/-0.030 χ^2/NDF: 2252194.5/26

Left Out: 288.922+/-0.050 χ^2/NDF:4648197.0/24

Right Out: 139.239+/-0.027 χ^2/NDF: 4674613.5/31

Left In: 284.168+/-0.050 χ^2/NDF:3077521.1/22

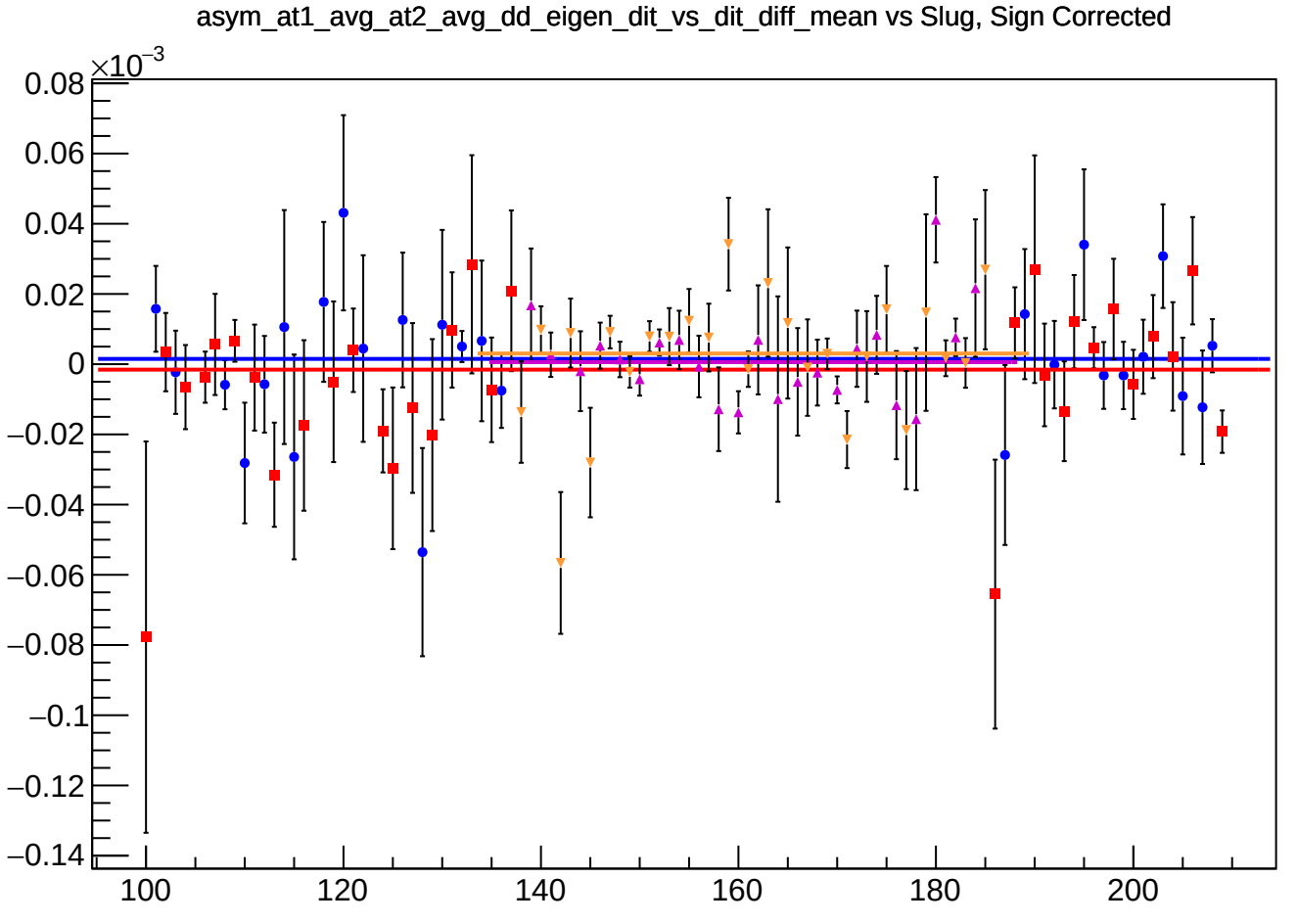
Left: 286.524+/-0.035 χ^2/NDF: 7730236.9/47

Right: 147.162+/-0.020 χ^2/NDF: 7126696.6/58

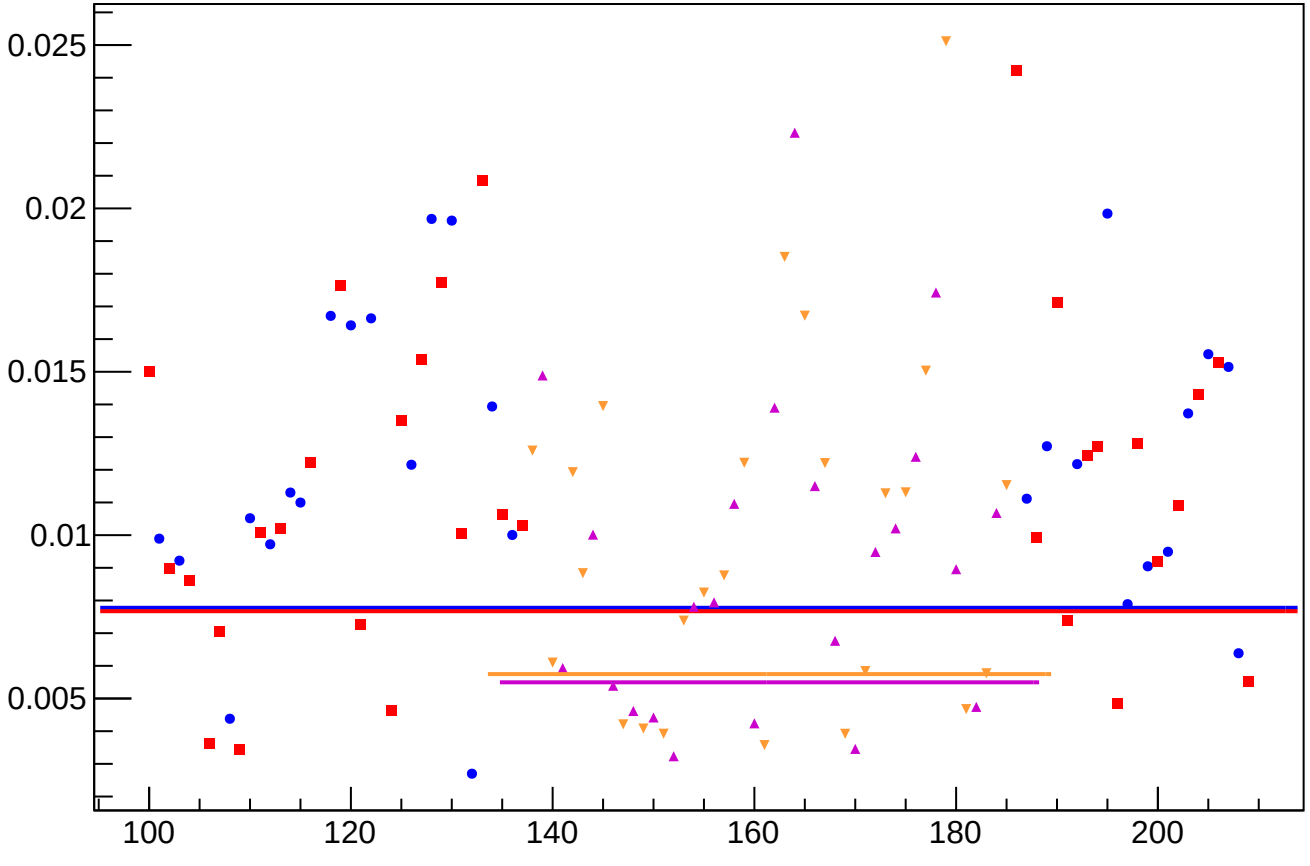
In: 190.338+/-0.025 χ^2/NDF:10142705.6/49

Out: 171.963+/-0.023 χ^2/NDF:16264971.5/56

All: 180.401+/-0.017 χ^2/NDF: 26688932.5/10


asym_at1_avg_at2_avg_dd_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected
×10^−3
0.08
0.06
0.04
0.02
0
−0.02
−0.04
−0.06
−0.08
−0.1
−0.12
−0.14
100
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 24.6/26
Left Out: 0.000+/-0.000 χ²/NDF:42.2/24
Right Out: -0.000+/-0.000 χ²/NDF: 38.5/31
Left In: 0.000+/-0.000 χ²/NDF:33.2/22
Left: 0.000+/-0.000 χ²/NDF: 76.7/47
Right: -0.000+/-0.000 χ²/NDF: 64.1/58
In: 0.000+/-0.000 χ²/NDF:57.9/49
Out: 0.000+/-0.000 χ²/NDF:83.9/56
All: 0.000+/-0.000 χ²/NDF: 141.9/106

asym_at1_avg_at2_avg_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.008+/-0.000 χ^2/NDF: 7487309.9/26

Left Out: 0.006+/-0.000 χ^2/NDF:8128513.8/24

Right Out: 0.008+/-0.000 χ^2/NDF: 6709901.5/31

Left In: 0.005+/-0.000 χ^2/NDF:6937299.0/22

Left: 0.006+/-0.000 χ^2/NDF: 15093250.6/47

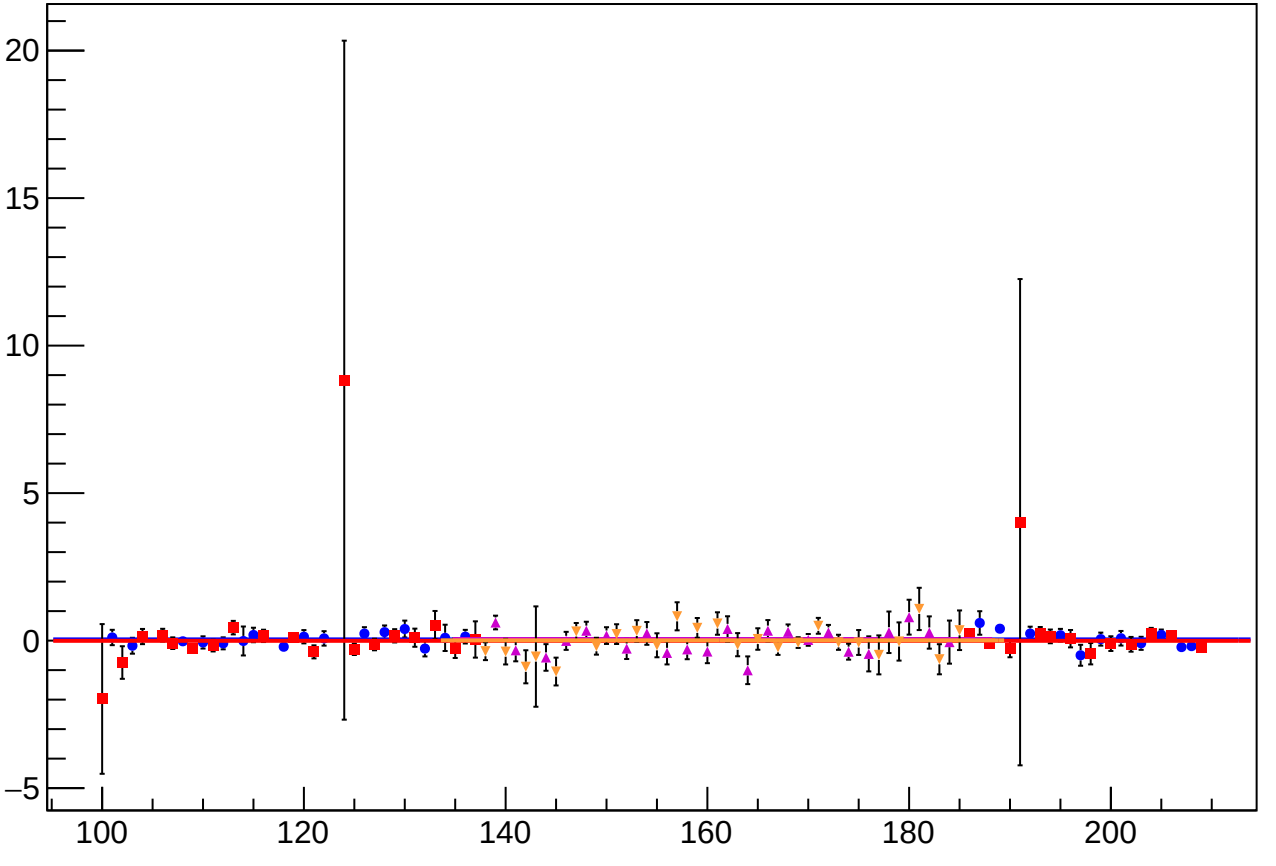
Right: 0.008+/-0.000 χ^2/NDF: 14199466.4/58

In: 0.006+/-0.000 χ^2/NDF:15801355.3/49

Out: 0.006+/-0.000 χ^2/NDF:15930527.3/56

All: 0.006+/-0.000 χ^2/NDF: 31761518.8/106

asym_at1_avg_at2_avg_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.042+/-0.042 χ^2/NDF: 26.7/26

Left Out: 0.009+/-0.071 χ^2/NDF:28.9/24

Right Out: -0.007+/-0.038 χ^2/NDF: 33.9/31

Left In: 0.053+/-0.070 χ^2/NDF:27.8/22

Left: 0.032+/-0.050 χ^2/NDF: 56.8/47

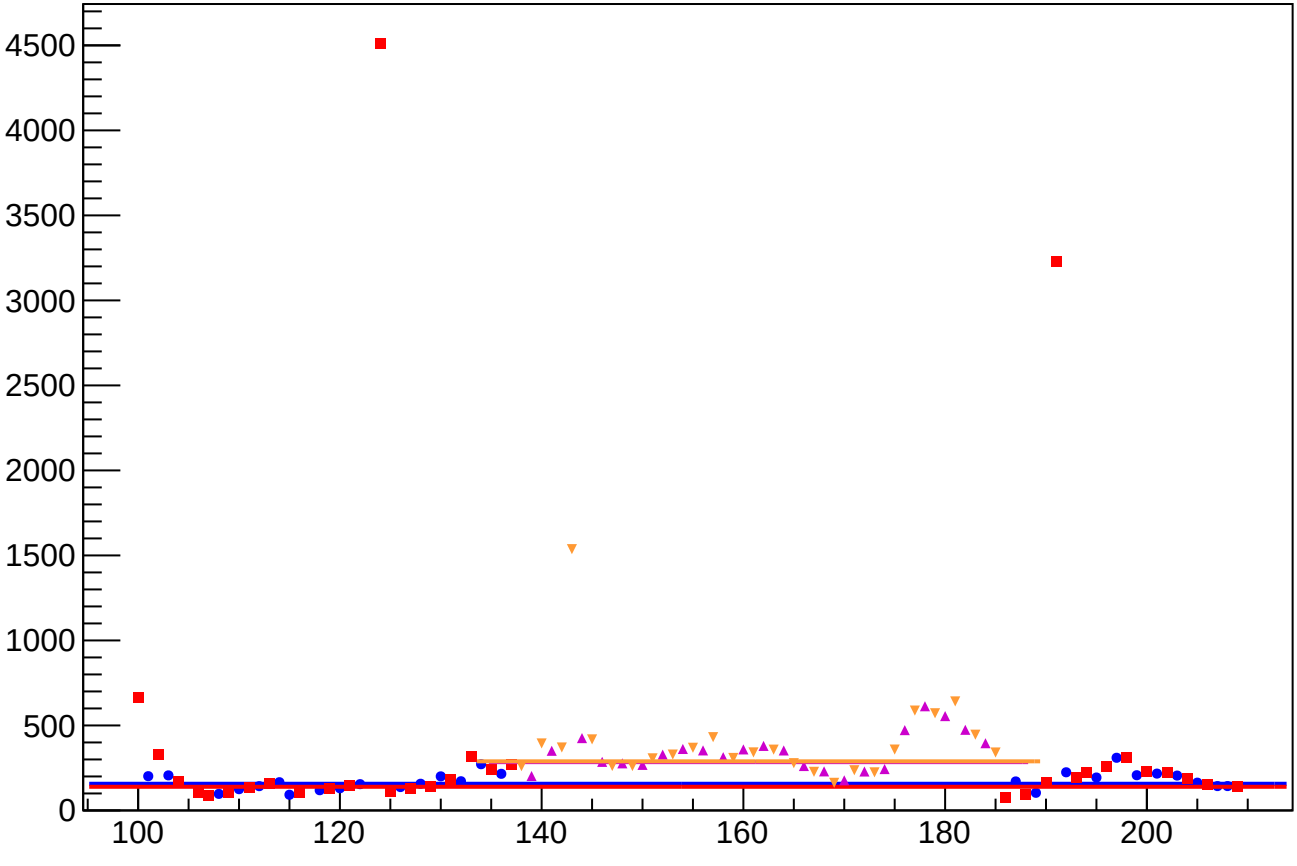
Right: 0.015+/-0.028 χ^2/NDF: 61.4/58

In: 0.045+/-0.036 χ^2/NDF:54.5/49

Out: -0.003+/-0.033 χ^2/NDF:62.9/56

All: 0.019+/-0.024 χ^2/NDF: 118.3/106

asym_at1_avg_at2_avg_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 157.039+/-0.030 χ^2/NDF: 2252184.2/26

Left Out: 288.922+/-0.050 χ^2/NDF:4648388.8/24

Right Out: 139.241+/-0.027 χ^2/NDF: 4674453.5/31

Left In: 284.170+/-0.050 χ^2/NDF:3077626.7/22

Left: 286.525+/-0.035 χ^2/NDF: 7730531.8/47

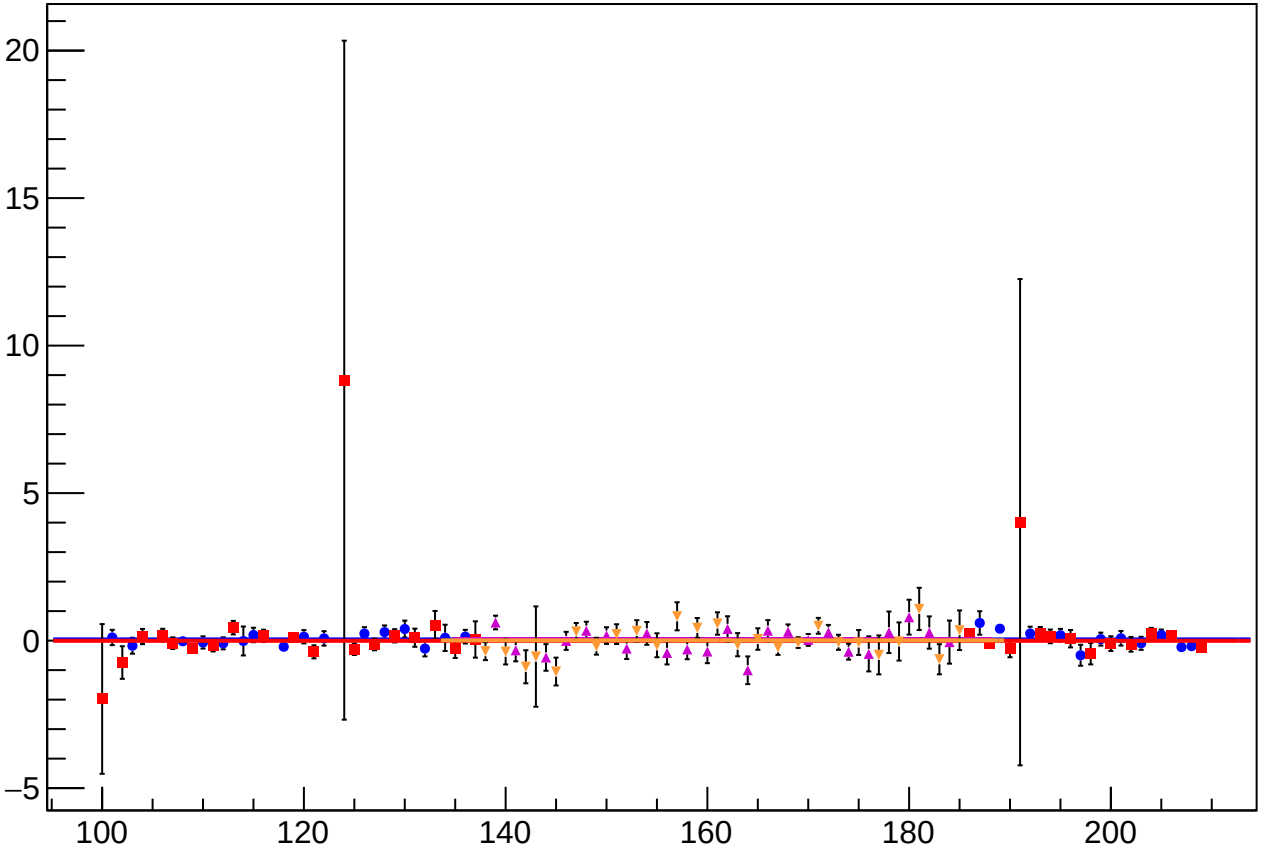
Right: 147.163+/-0.020 χ^2/NDF: 7126486.3/58

In: 190.338+/-0.025 χ^2/NDF:10142854.2/49

Out: 171.965+/-0.023 χ^2/NDF:16264784.3/56

All: 180.403+/-0.017 χ^2/NDF: 26688842.2/10

asym_at1_avg_at2_avg_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.042+/-0.042 χ^2/NDF: 26.7/26

Left Out: 0.009+/-0.071 χ^2/NDF:28.9/24

Right Out: -0.007+/-0.038 χ^2/NDF: 33.9/31

Left In: 0.053+/-0.070 χ^2/NDF:27.8/22

Left: 0.032+/-0.050 χ^2/NDF: 56.8/47

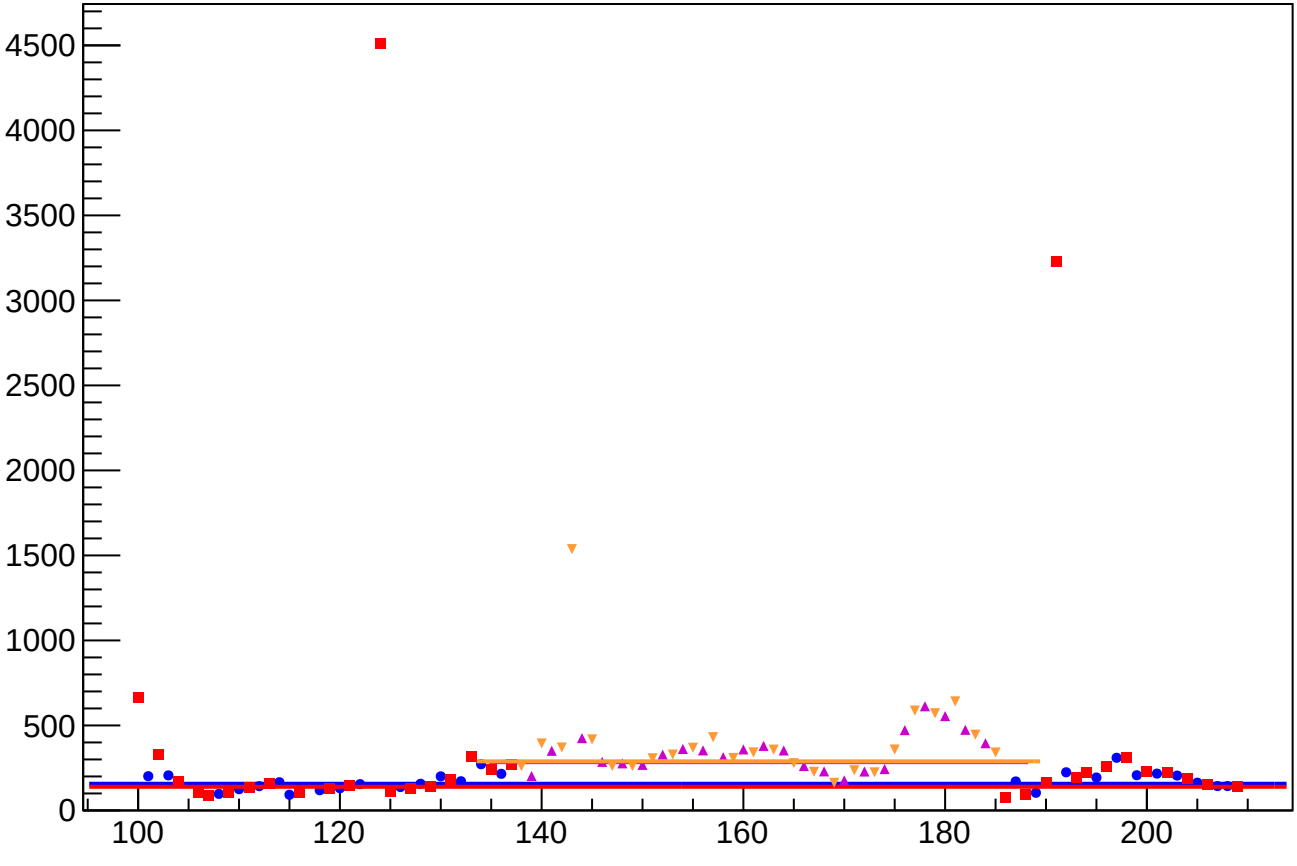
Right: 0.015+/-0.028 χ^2/NDF: 61.4/58

In: 0.045+/-0.036 χ^2/NDF:54.5/49

Out: -0.003+/-0.033 χ^2/NDF:62.9/56

All: 0.019+/-0.024 χ^2/NDF: 118.3/106

asym_at1_avg_at2_avg_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 157.039+/-0.030 χ^2/NDF: 2252184.2/26

Left Out: 288.922+/-0.050 χ^2/NDF:4648388.8/24

Right Out: 139.241+/-0.027 χ^2/NDF: 4674453.5/31

Left In: 284.170+/-0.050 χ^2/NDF:3077626.7/22

Left: 286.525+/-0.035 χ^2/NDF: 7730531.8/47

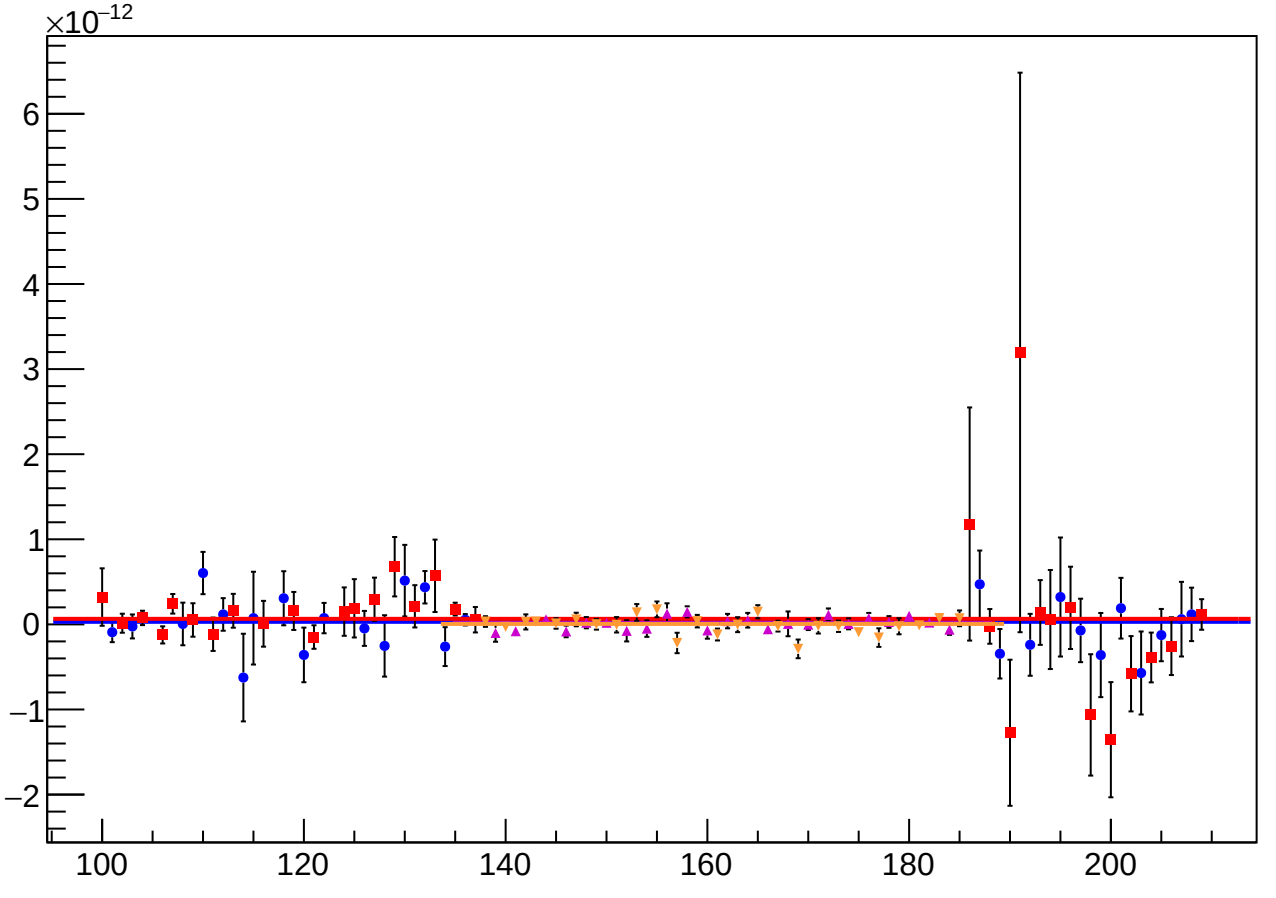
Right: 147.163+/-0.020 χ^2/NDF: 7126486.3/58

In: 190.338+/-0.025 χ^2/NDF:10142854.2/49

Out: 171.965+/-0.023 χ^2/NDF:16264784.3/56

All: 180.403+/-0.017 χ^2/NDF: 26688842.2/10

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: 25.5/26

Left Out: 0.000+/-0.000 χ^2/NDF:34.1/24

Right Out: 0.000+/-0.000 χ^2/NDF: 35.3/31

Left In: 0.000+/-0.000 χ^2/NDF:23.2/22

Left: 0.000+/-0.000 χ^2/NDF: 57.6/47

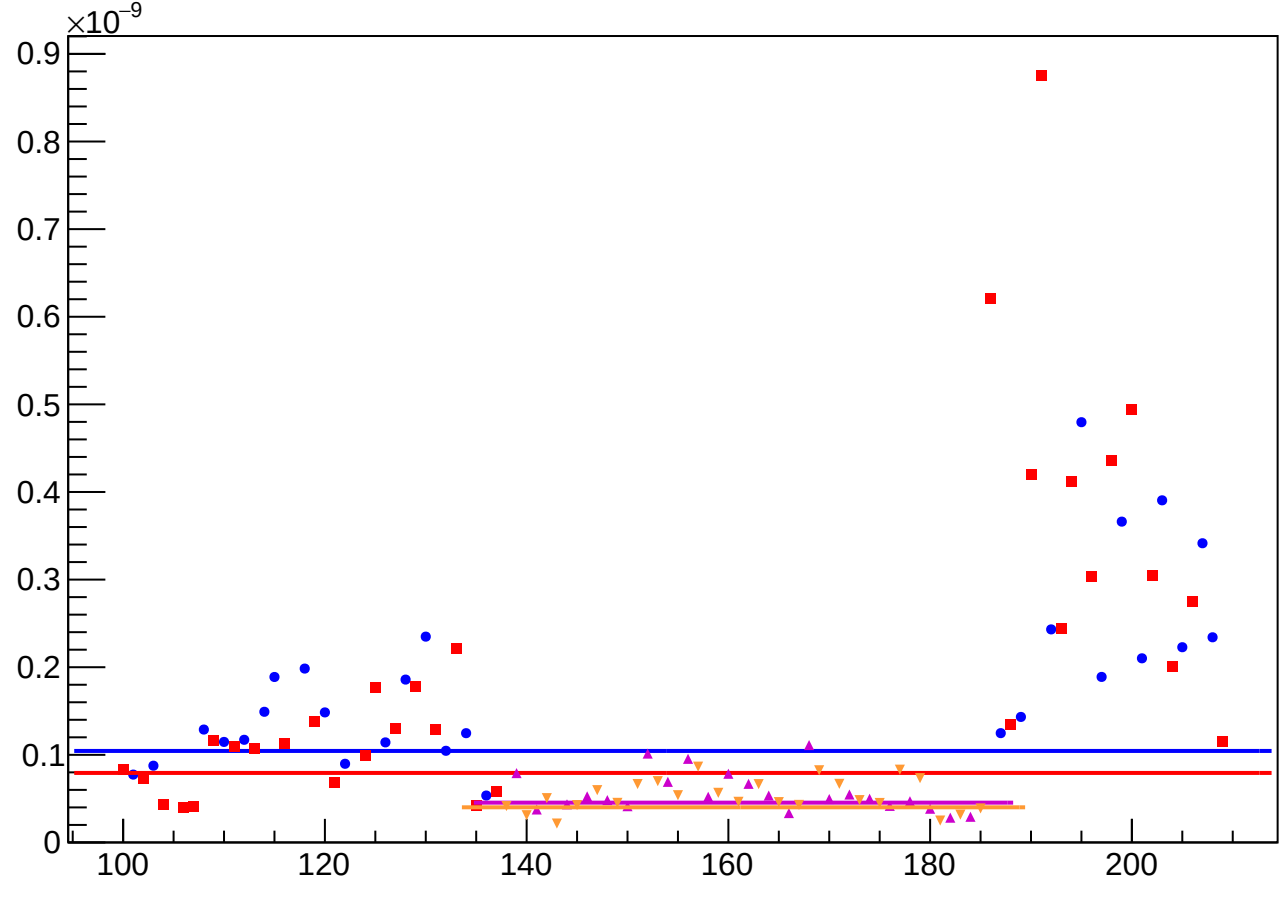
Right: 0.000+/-0.000 χ^2/NDF: 61.2/58

In: 0.000+/-0.000 χ^2/NDF:48.8/49

Out: 0.000+/-0.000 χ^2/NDF:72.4/56

All: 0.000+/-0.000 χ^2/NDF: 121.2/106

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: 5582087.5/26

Left Out: 0.000+/-0.000 χ^2/NDF:3609934.1/24

Right Out: 0.000+/-0.000 χ^2/NDF: 7704705.4/31

Left In: 0.000+/-0.000 χ^2/NDF:2780344.5/22

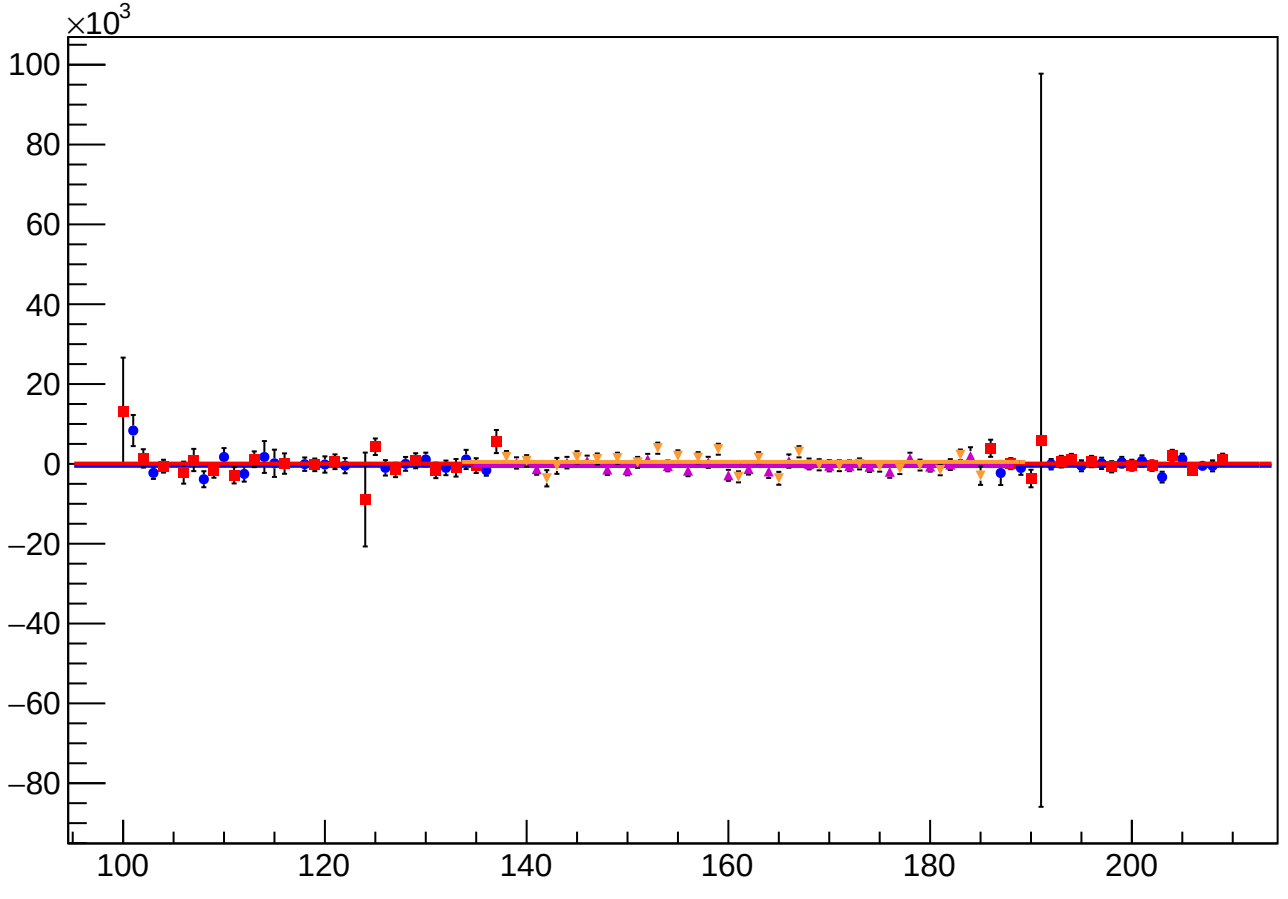
Left: 0.000+/-0.000 χ^2/NDF: 6559252.5/47

Right: 0.000+/-0.000 χ^2/NDF: 13762446.7/58

In: 0.000+/-0.000 χ^2/NDF:12262093.7/49

Out: 0.000+/-0.000 χ^2/NDF:13884015.3/56

All: 0.000+/-0.000 χ^2/NDF: 26431480.3/106



Right In: -478.949+/-323.549 χ^2/NDF: 21.9/26

Left Out: 492.062+/-288.495 χ^2/NDF:46.9/24

Right Out: 72.414+/-315.956 χ^2/NDF: 28.6/31

Left In: -486.821+/-293.769 χ^2/NDF:14.4/22

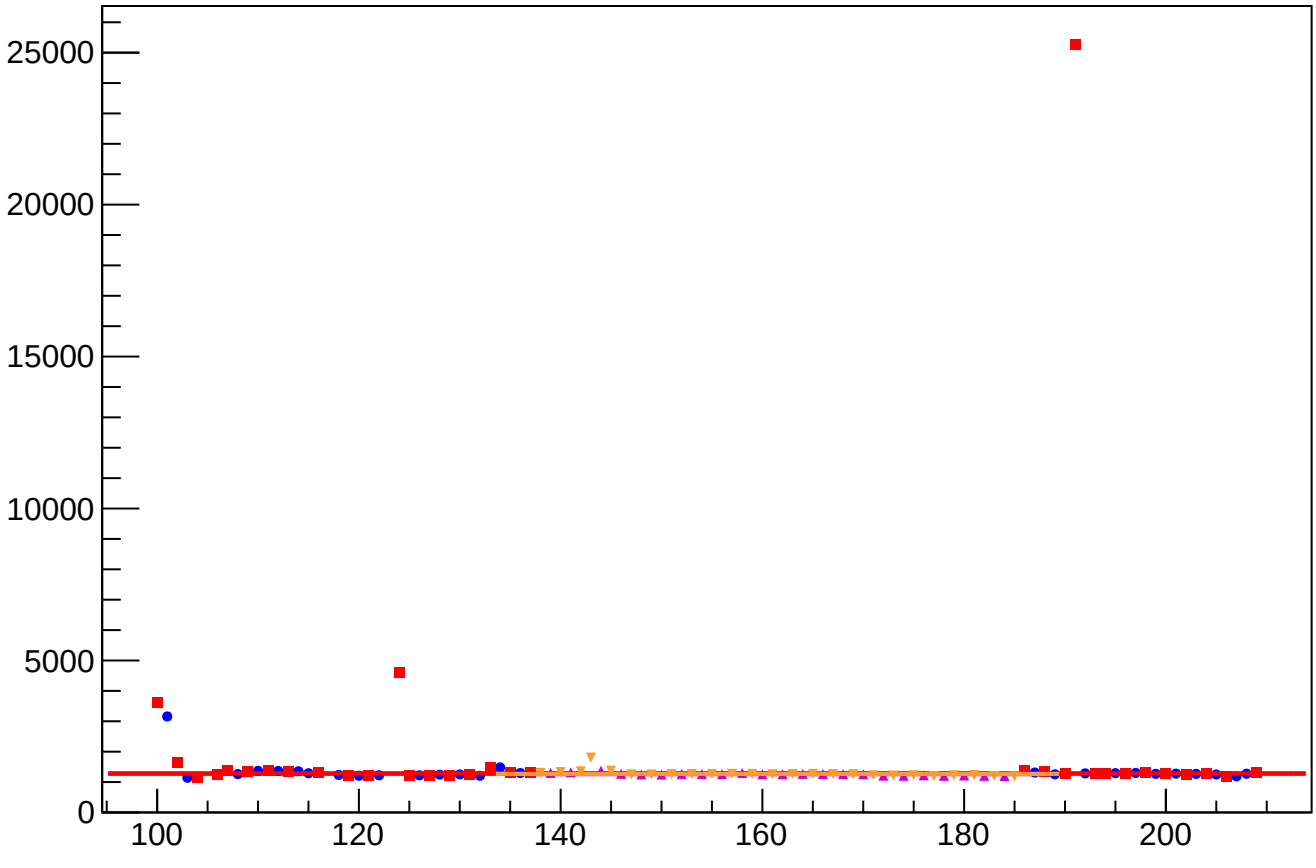
Left: 11.486+/-205.836 χ^2/NDF: 67.0/47

Right: -196.722+/-226.051 χ^2/NDF: 52.0/58

In: -483.264+/-217.494 χ^2/NDF:36.3/49

Out: 301.264+/-213.045 χ^2/NDF:76.5/56

All: -82.894+/-152.194 χ^2/NDF: 119.4/106



Right In: 1276.212+/-0.229 χ^2/NDF: 528341.6/26

Left Out: 1266.967+/-0.204 χ^2/NDF:187545.6/24

Right Out: 1288.848+/-0.223 χ^2/NDF: 482656.1/31

Left In: 1257.551+/-0.208 χ^2/NDF:36816.4/22

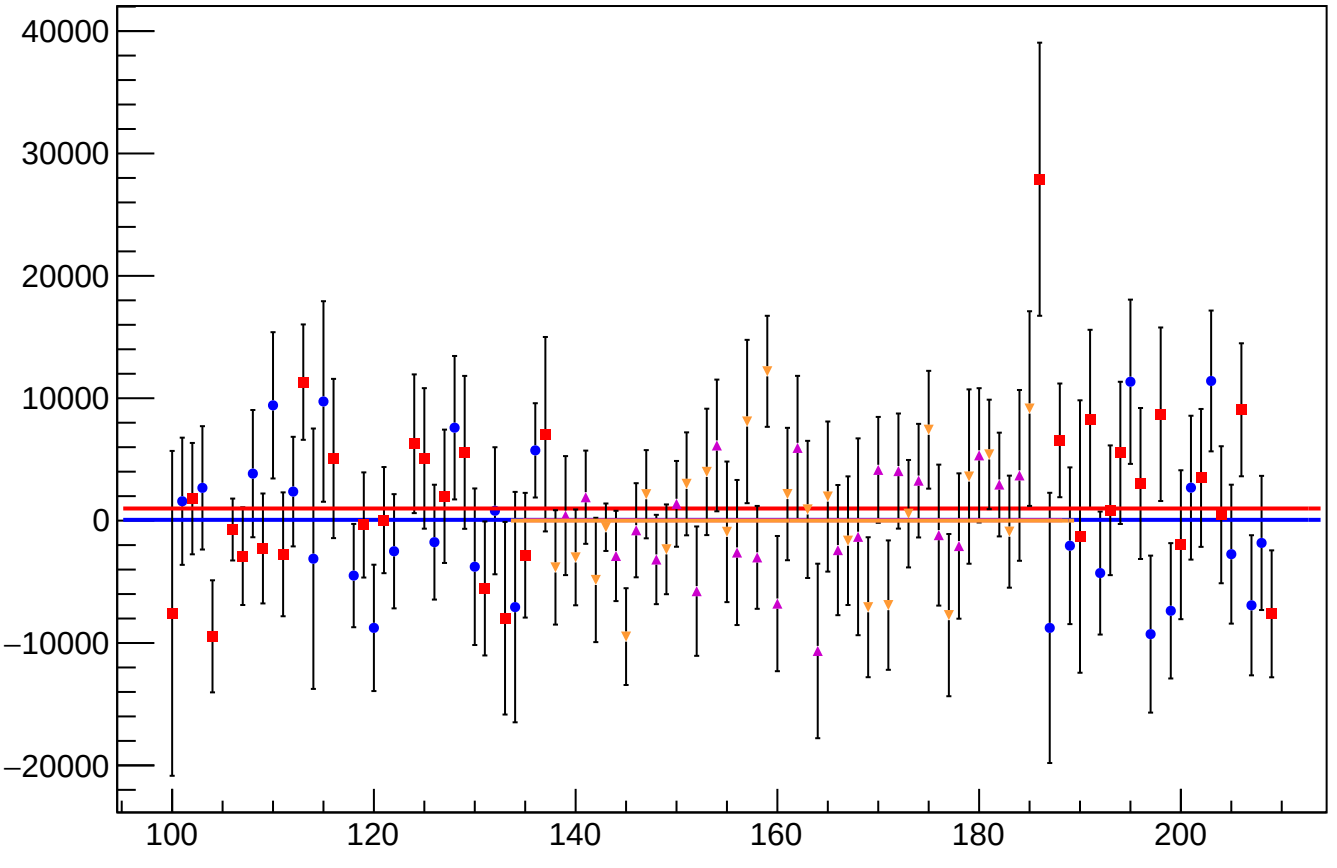
Left: 1262.345+/-0.146 χ^2/NDF: 225407.9/47

Right: 1282.687+/-0.160 χ^2/NDF: 1012560.6/58

In: 1265.984+/-0.154 χ^2/NDF:568804.6/49

Out: 1276.927+/-0.151 χ^2/NDF:675438.4/56

All: 1271.571+/-0.108 χ^2/NDF: 1246828.5/10



Right In: 63.227+/-1069.204 χ^2/NDF: 28.6/26

Left Out: -0.604+/-886.488 χ^2/NDF:29.1/24

Right Out: 990.257+/-926.828 χ^2/NDF: 34.9/31

Left In: 31.593+/-995.348 χ^2/NDF:14.0/22

Left: 13.638+/-661.996 χ^2/NDF: 43.1/47

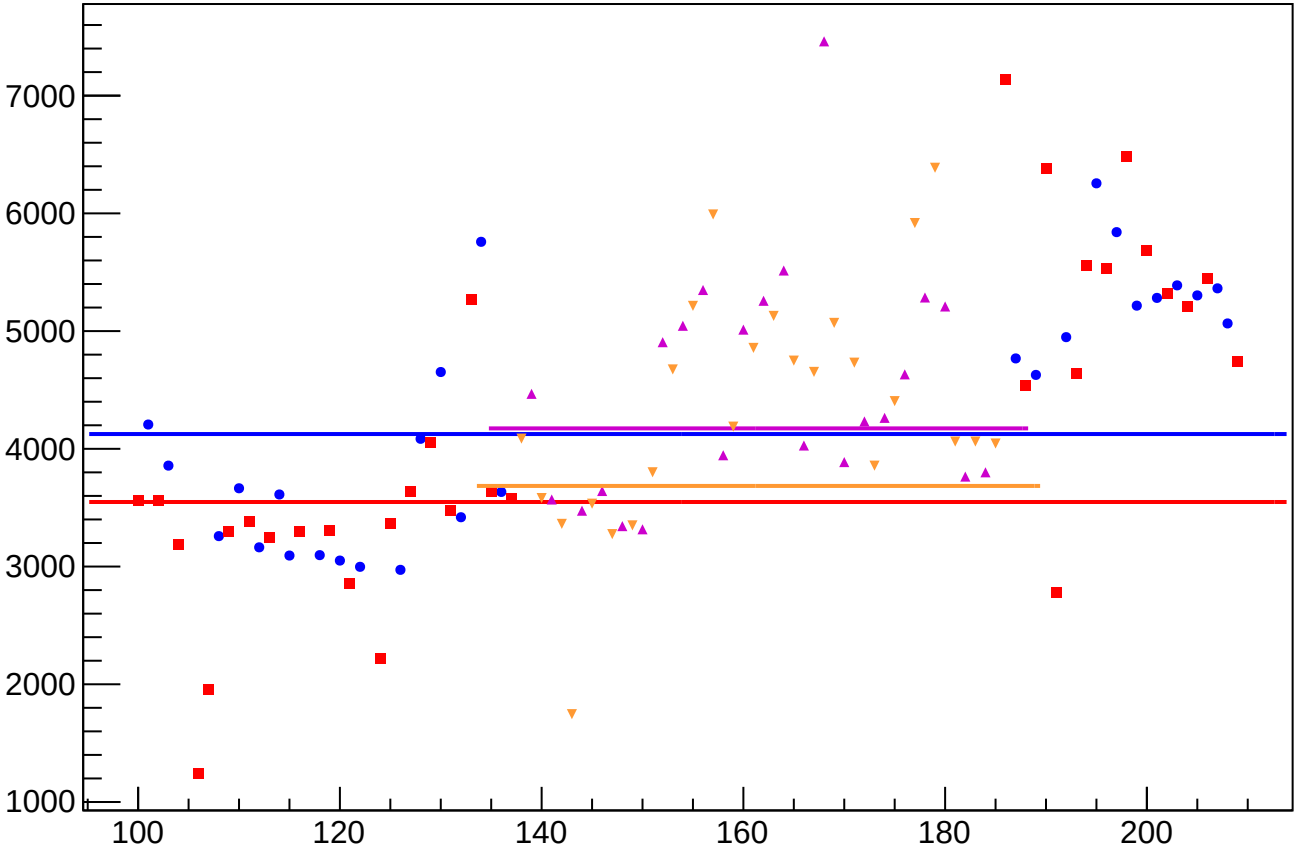
Right: 592.531+/-700.334 χ^2/NDF: 63.9/58

In: 46.280+/-728.529 χ^2/NDF:42.6/49

Out: 472.794+/-640.628 χ^2/NDF:64.5/56

All: 286.807+/-481.085 χ^2/NDF: 107.4/106

asym_atl1r2_dd_atl2r1_dd_dd_reg_correction_rms vs Slug, Sign Corrected



Right In: 4125.558+/-0.756 χ^2/NDF: 1696125.4/26

Left Out: 3684.769+/-0.627 χ^2/NDF:3693646.6/24

Right Out: 3548.368+/-0.655 χ^2/NDF: 4589244.6/31

Left In: 4173.556+/-0.704 χ^2/NDF:1274968.4/22

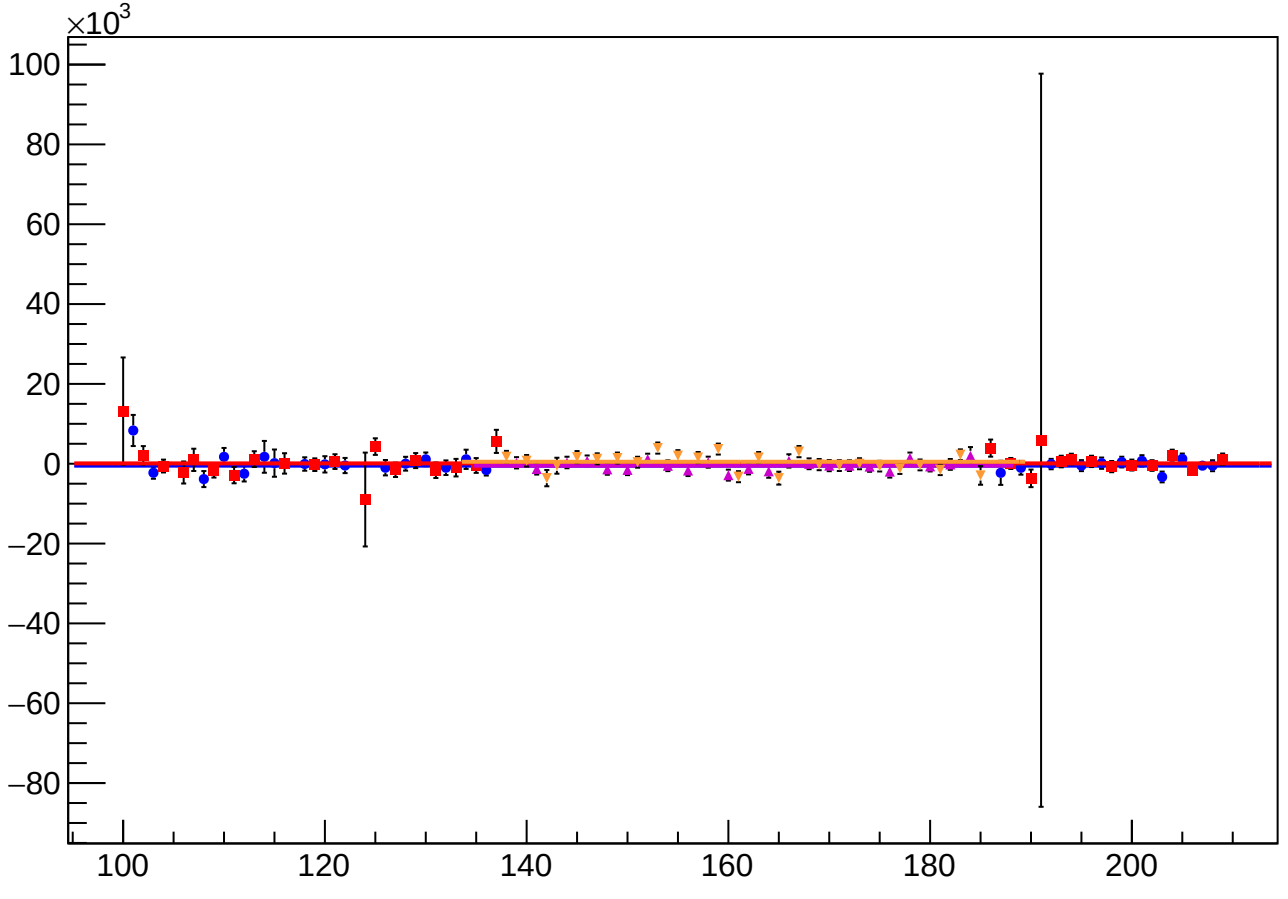
Left: 3900.981+/-0.468 χ^2/NDF: 5237573.9/47

Right: 3796.001+/-0.495 χ^2/NDF: 6618150.6/58

In: 4151.272+/-0.515 χ^2/NDF:2973253.0/49

Out: 3619.601+/-0.453 χ^2/NDF:8305513.1/56

All: 3851.443+/-0.340 χ^2/NDF: 11879458.5/1



Right In: -479.091+/-323.549 χ^2/NDF: 21.9/26

Left Out: 492.079+/-288.495 χ^2/NDF:46.9/24

Right Out: 84.649+/-316.044 χ^2/NDF: 29.0/31

Left In: -486.720+/-293.769 χ^2/NDF:14.4/22

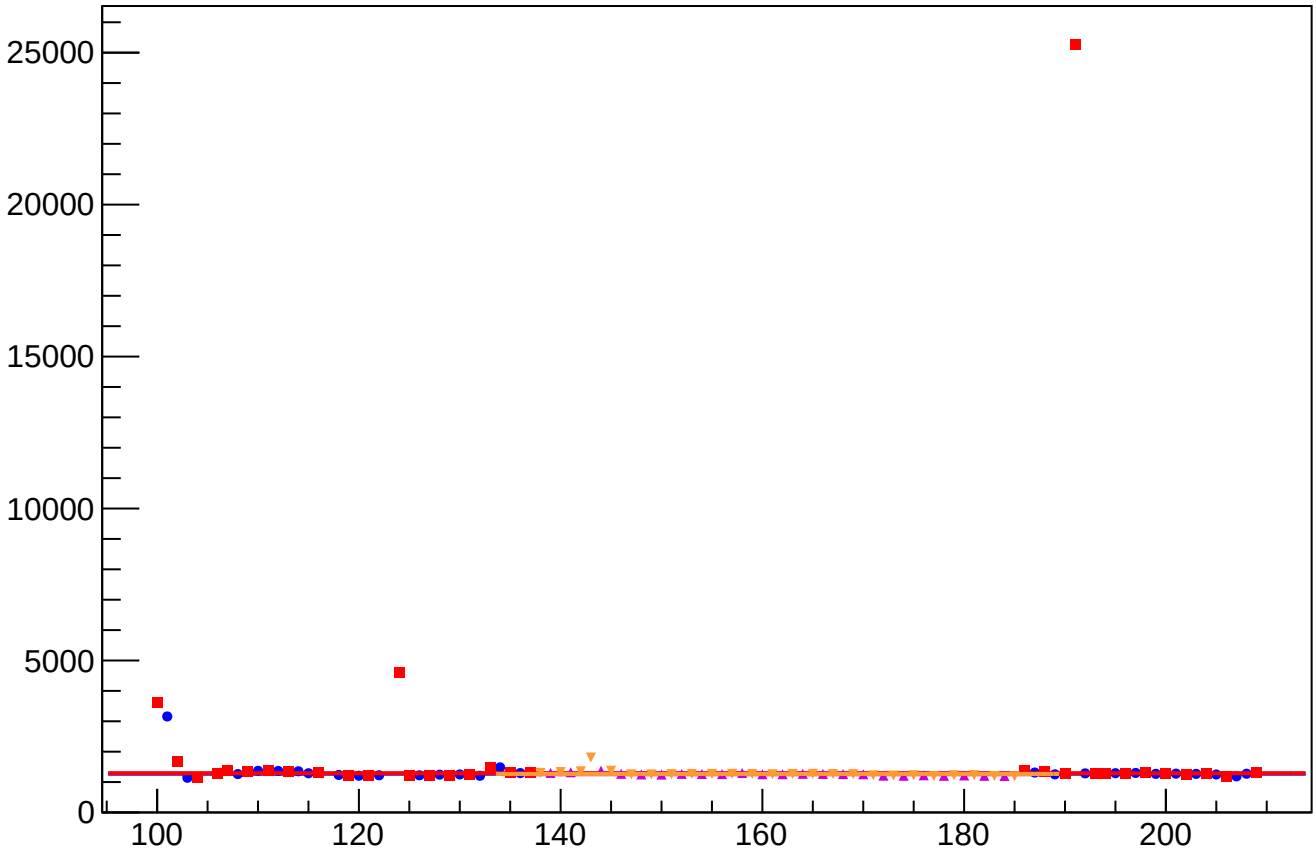
Left: 11.544+/-205.836 χ^2/NDF: 67.0/47

Right: -190.607+/-226.084 χ^2/NDF: 52.5/58

In: -483.273+/-217.494 χ^2/NDF:36.3/49

Out: 306.892+/-213.072 χ^2/NDF:76.8/56

All: -80.076+/-152.204 χ^2/NDF: 119.9/106



Right In: 1276.212+/-0.229 χ^2/NDF: 528343.0/26

Left Out: 1266.968+/-0.204 χ^2/NDF:187545.6/24

Right Out: 1289.688+/-0.223 χ^2/NDF: 489542.4/31

Left In: 1257.551+/-0.208 χ^2/NDF:36816.3/22

Left: 1262.345+/-0.146 χ^2/NDF: 225407.9/47

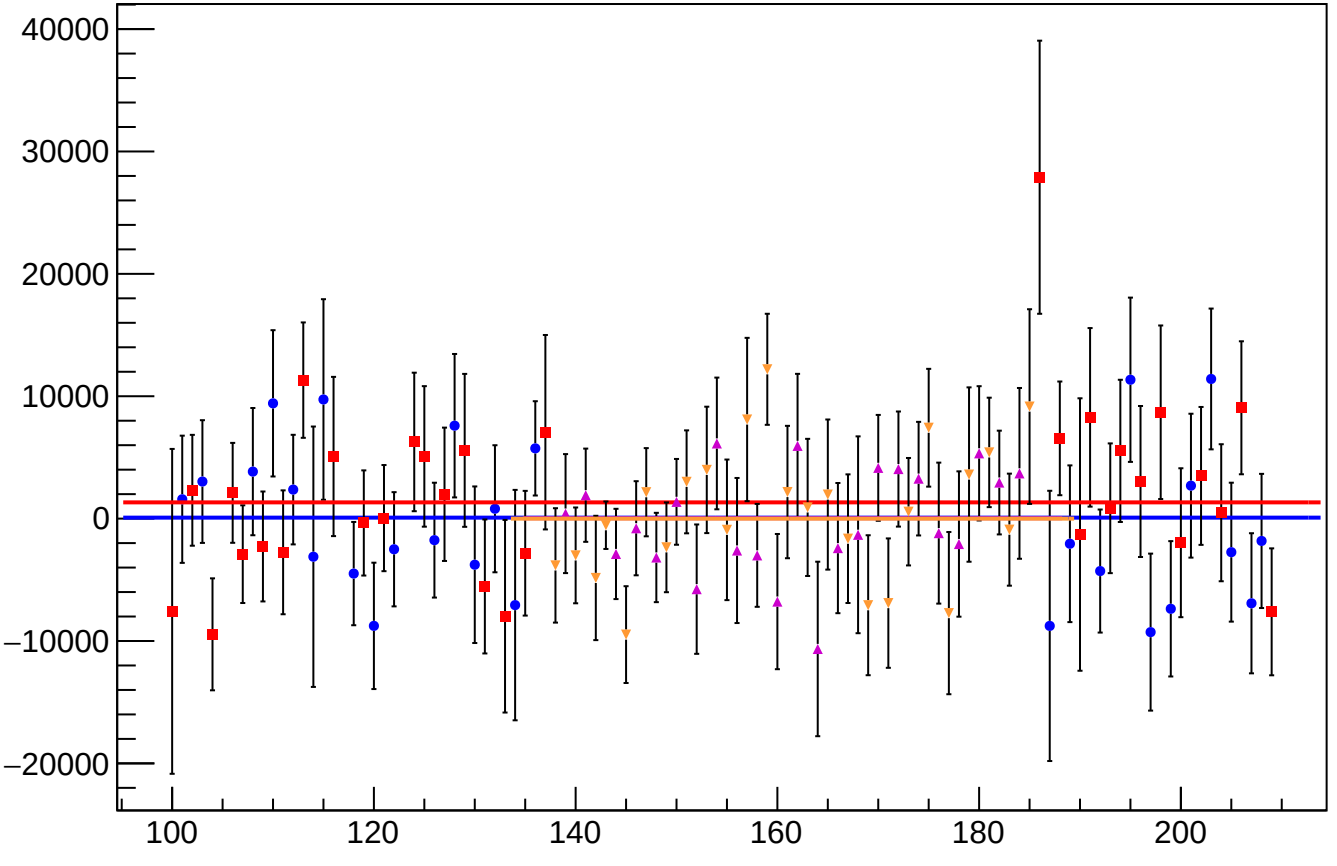
Right: 1283.113+/-0.160 χ^2/NDF: 1019662.2/58

In: 1265.984+/-0.154 χ^2/NDF:568806.0/49

Out: 1277.303+/-0.151 χ^2/NDF:682731.0/56

All: 1271.762+/-0.108 χ^2/NDF: 1254302.3/10

asym_atl1r2_dd_atl2r1_dd_dd_cor_correction_mean vs Slug, Sign Corrected



Right In: 80.325+/-1068.965 χ^2/NDF: 28.7/26

Left Out: -0.541+/-886.487 χ^2/NDF:29.1/24

Right Out: 1327.247+/-967.445 χ^2/NDF: 34.4/31

Left In: 31.597+/-995.347 χ^2/NDF:14.0/22

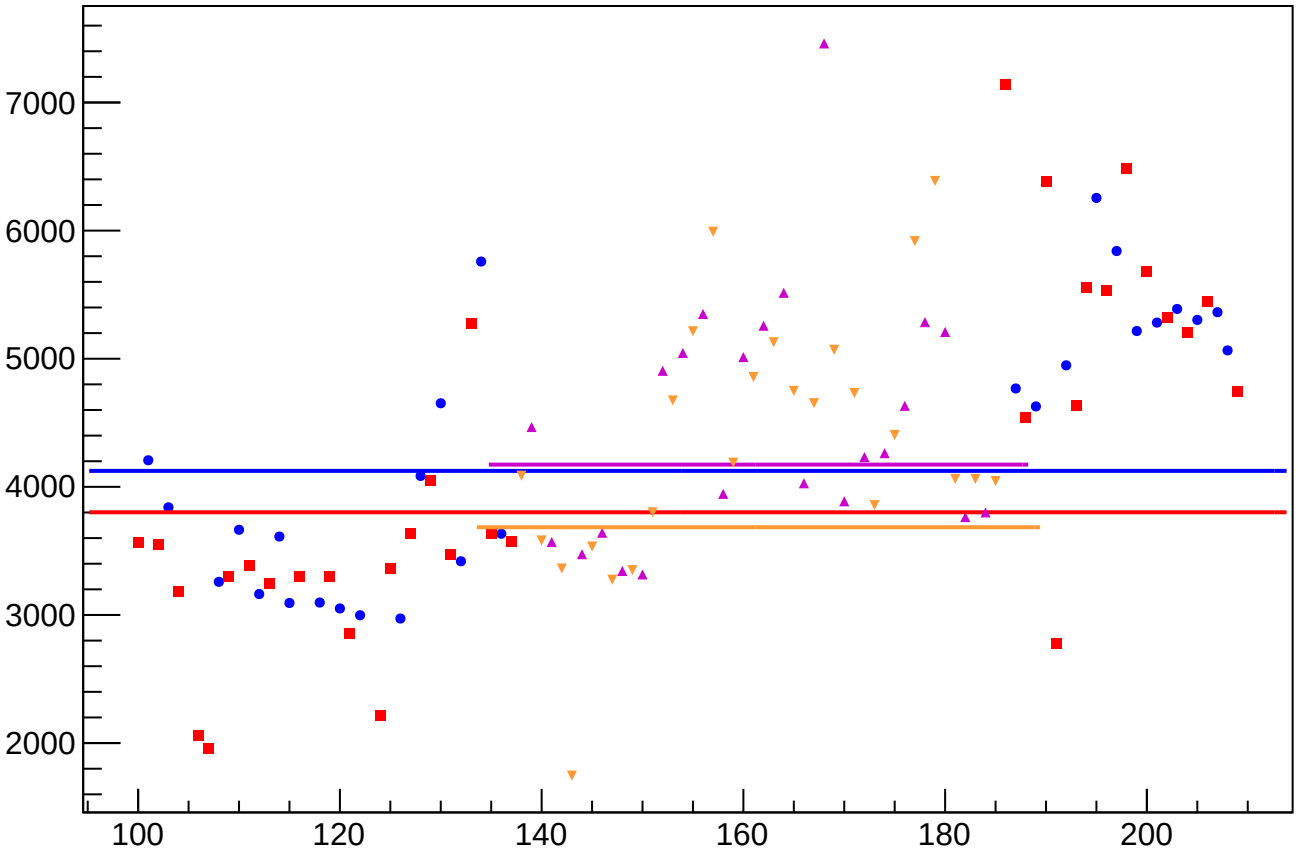
Left: 13.675+/-661.996 χ^2/NDF: 43.1/47

Right: 765.794+/-717.300 χ^2/NDF: 63.9/58

In: 54.226+/-728.453 χ^2/NDF:42.7/49

Out: 605.481+/-653.591 χ^2/NDF:64.5/56

All: 359.626+/-486.480 χ^2/NDF: 107.6/106



Right In: 4124.687+/-0.756 χ^2/NDF: 1696967.8/26

Left Out: 3684.762+/-0.627 χ^2/NDF:3693687.2/24

Right Out: 3801.458+/-0.684 χ^2/NDF: 3054663.8/31

Left In: 4173.550+/-0.704 χ^2/NDF:1274967.5/22

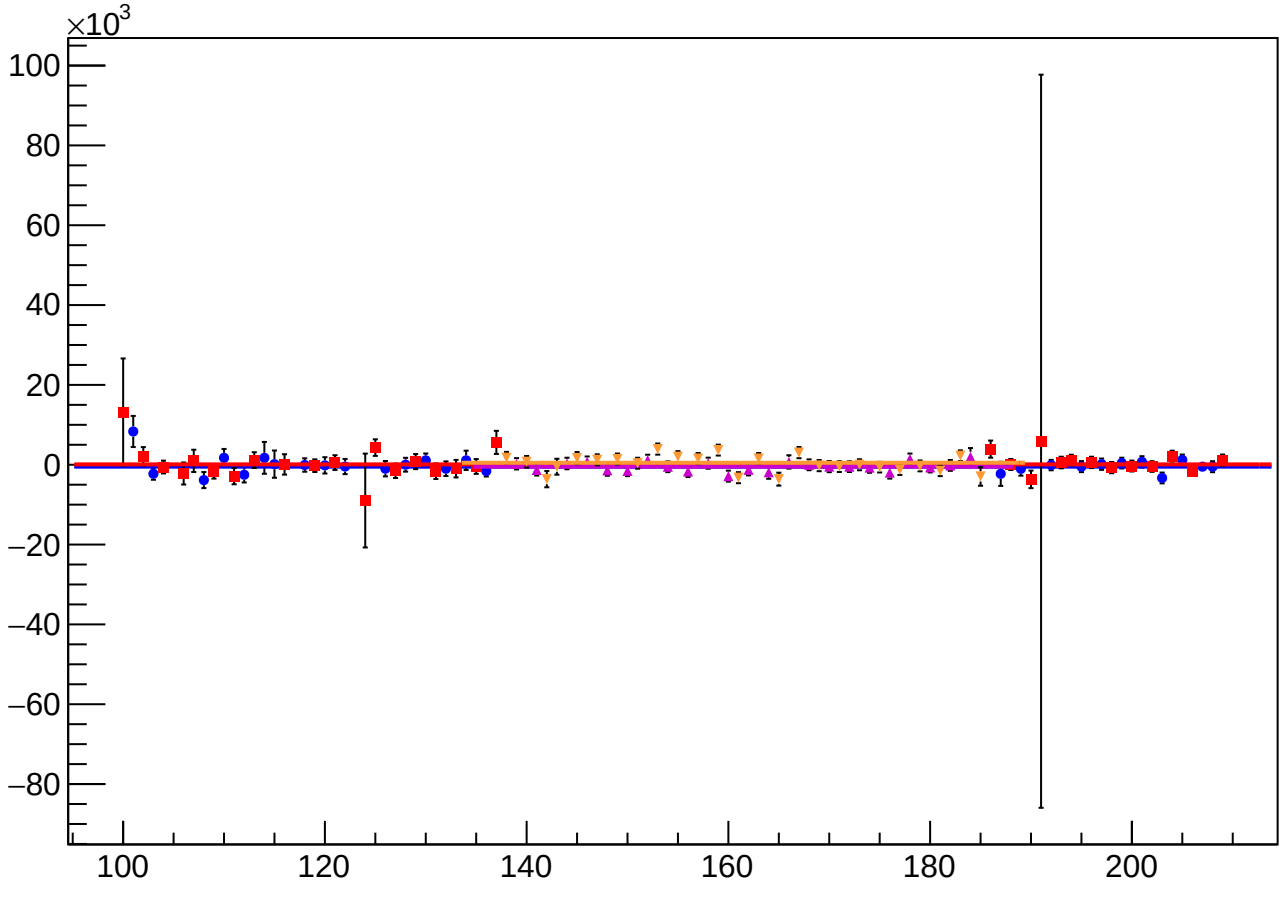
Left: 3900.975+/-0.468 χ^2/NDF: 5237615.0/47

Right: 3946.999+/-0.507 χ^2/NDF: 4852156.2/58

In: 4150.859+/-0.515 χ^2/NDF:2974173.6/49

Out: 3738.024+/-0.462 χ^2/NDF:6764169.3/56

All: 3922.144+/-0.344 χ^2/NDF: 10094217.6/1



Right In: -479.091+/-323.549 χ^2/NDF: 21.9/26

Left Out: 492.079+/-288.495 χ^2/NDF:46.9/24

Right Out: 84.649+/-316.044 χ^2/NDF: 29.0/31

Left In: -486.720+/-293.769 χ^2/NDF:14.4/22

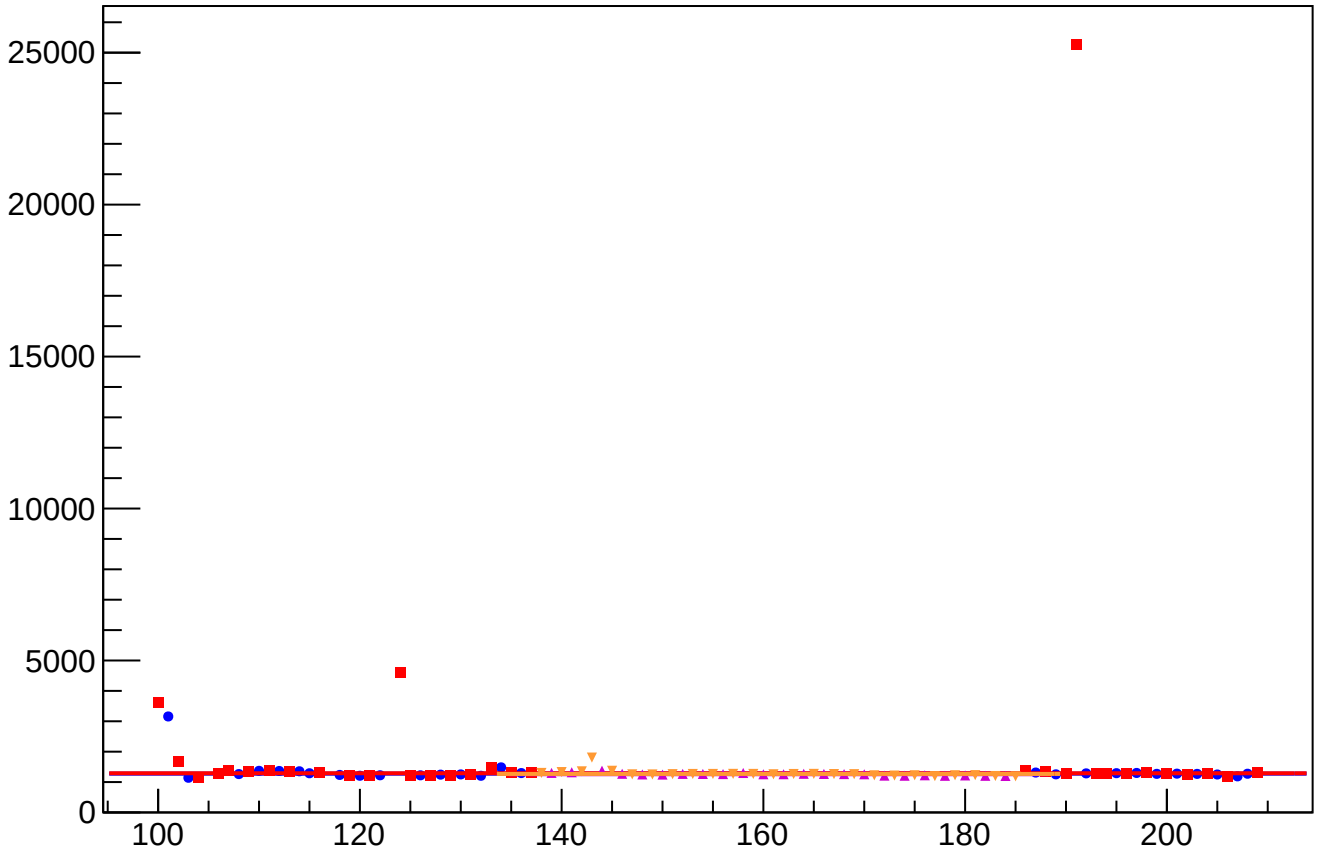
Left: 11.544+/-205.836 χ^2/NDF: 67.0/47

Right: -190.607+/-226.084 χ^2/NDF: 52.5/58

In: -483.273+/-217.494 χ^2/NDF:36.3/49

Out: 306.892+/-213.072 χ^2/NDF:76.8/56

All: -80.076+/-152.204 χ^2/NDF: 119.9/106



Right In: 1276.212+/-0.229 χ^2/NDF: 528343.0/26

Left Out: 1266.968+/-0.204 χ^2/NDF:187545.6/24

Right Out: 1289.688+/-0.223 χ^2/NDF: 489542.4/31

Left In: 1257.551+/-0.208 χ^2/NDF:36816.3/22

Left: 1262.345+/-0.146 χ^2/NDF: 225407.9/47

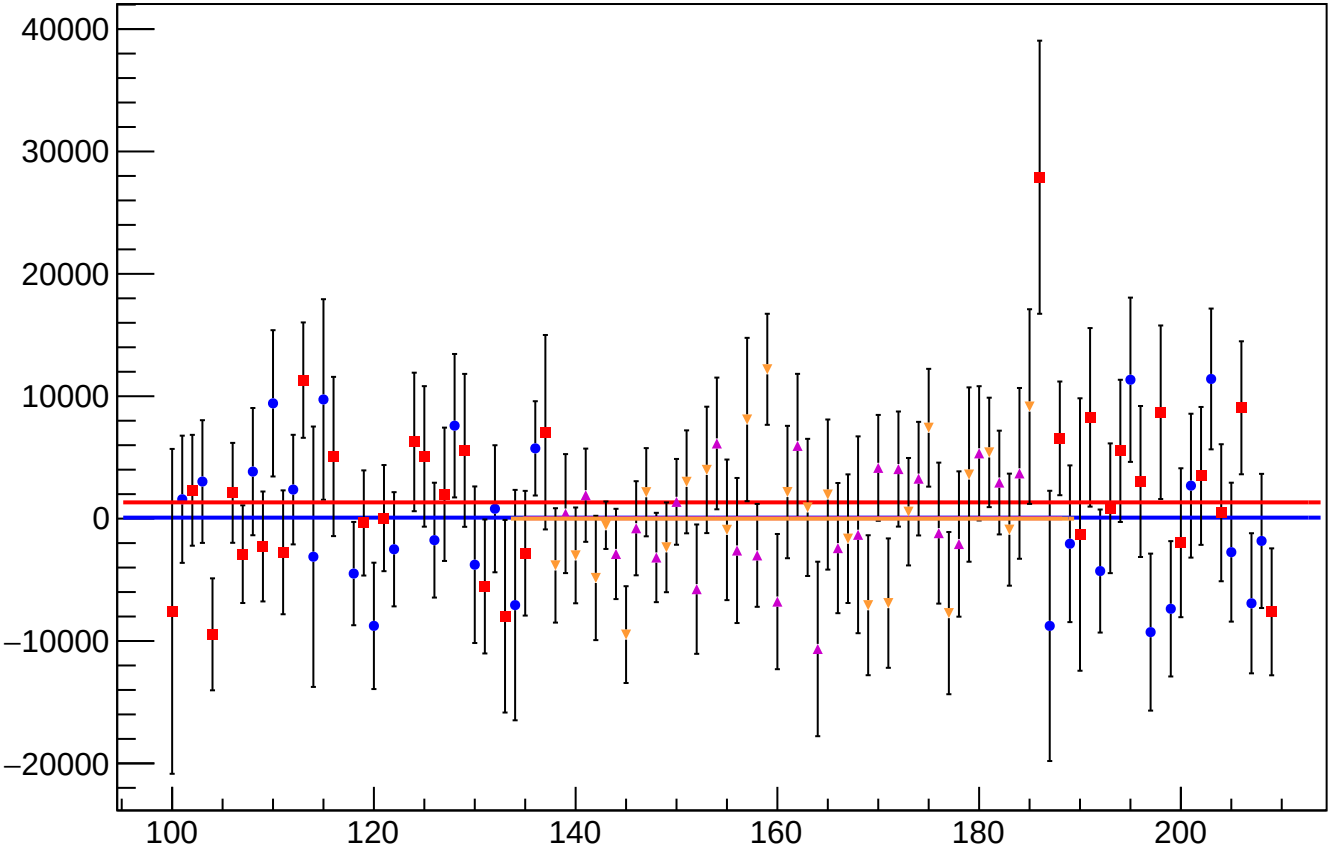
Right: 1283.113+/-0.160 χ^2/NDF: 1019662.2/58

In: 1265.984+/-0.154 χ^2/NDF:568806.0/49

Out: 1277.303+/-0.151 χ^2/NDF:682731.0/56

All: 1271.762+/-0.108 χ^2/NDF: 1254302.3/10

asym_atl1r2_dd_atl2r1_dd_dd_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: 80.325+/-1068.965 χ^2/NDF: 28.7/26

Left Out: -0.541+/-886.487 χ^2/NDF:29.1/24

Right Out: 1327.247+/-967.445 χ^2/NDF: 34.4/31

Left In: 31.597+/-995.347 χ^2/NDF:14.0/22

Left: 13.675+/-661.996 χ^2/NDF: 43.1/47

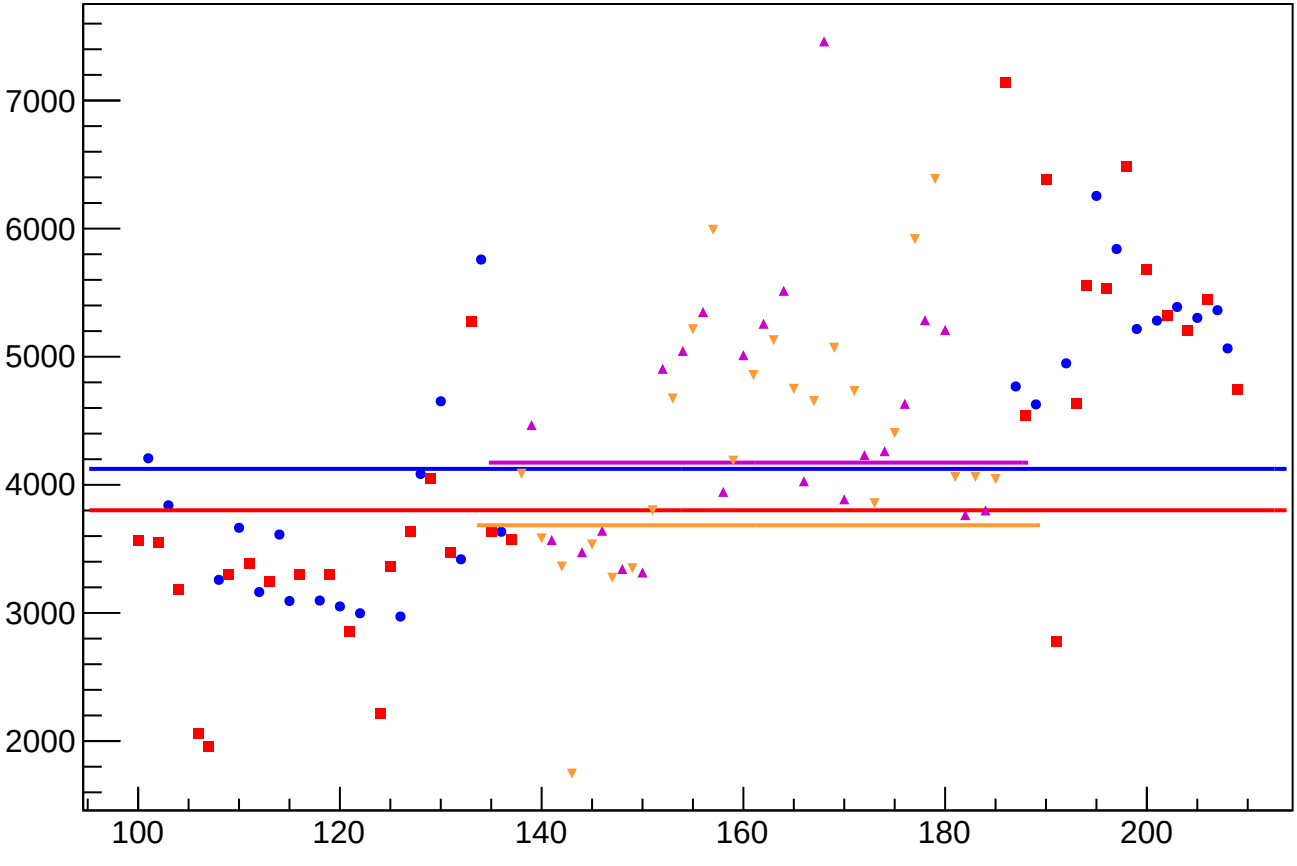
Right: 765.794+/-717.300 χ^2/NDF: 63.9/58

In: 54.226+/-728.453 χ^2/NDF:42.7/49

Out: 605.481+/-653.591 χ^2/NDF:64.5/56

All: 359.626+/-486.480 χ^2/NDF: 107.6/106

asym_atl1r2_dd_atl2r1_dd_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 4124.687+/-0.756 χ^2/NDF: 1696967.8/26

Left Out: 3684.762+/-0.627 χ^2/NDF:3693687.2/24

Right Out: 3801.458+/-0.684 χ^2/NDF: 3054663.8/31

Left In: 4173.550+/-0.704 χ^2/NDF:1274967.5/22

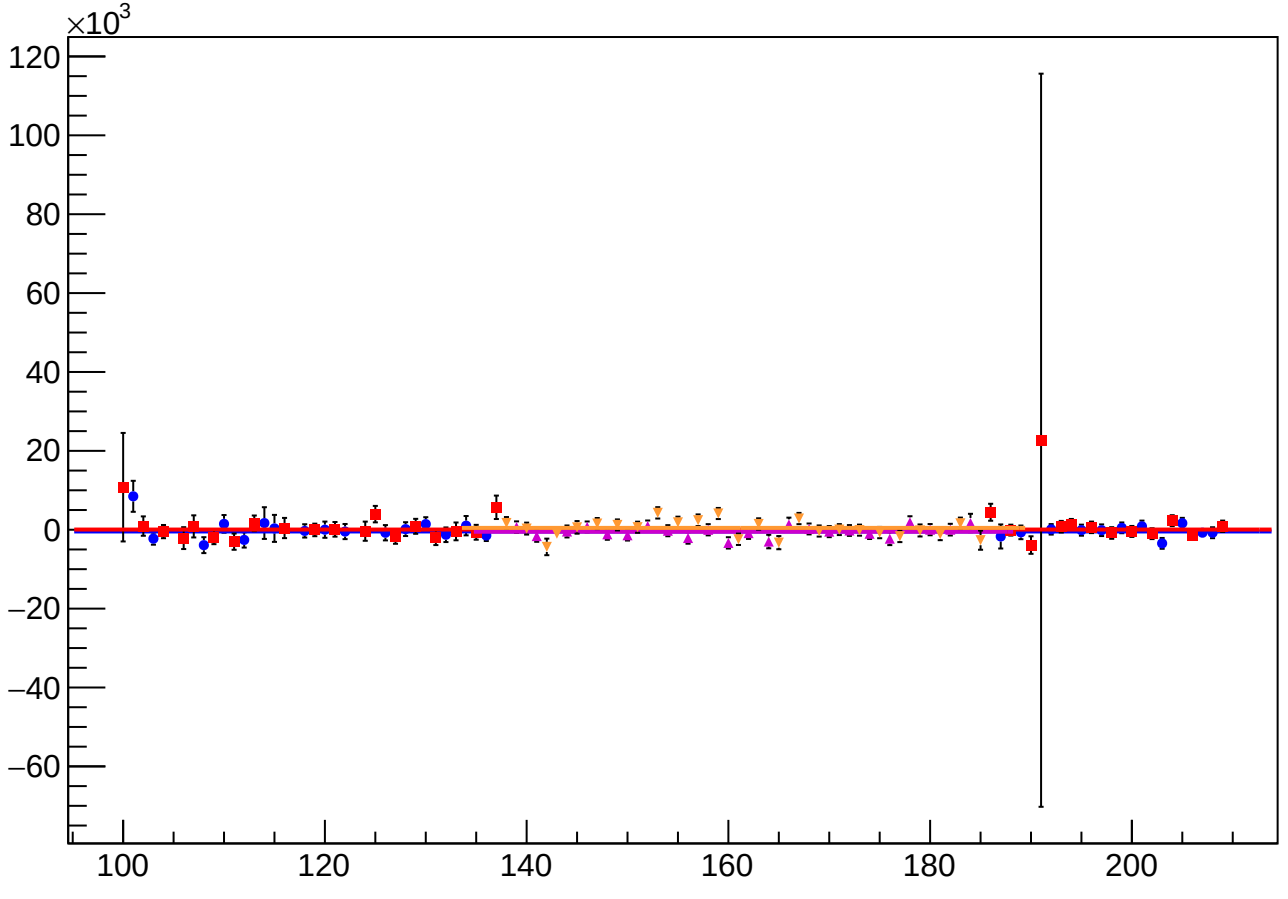
Left: 3900.975+/-0.468 χ^2/NDF: 5237615.0/47

Right: 3946.999+/-0.507 χ^2/NDF: 4852156.2/58

In: 4150.859+/-0.515 χ^2/NDF:2974173.6/49

Out: 3738.024+/-0.462 χ^2/NDF:6764169.3/56

All: 3922.144+/-0.344 χ^2/NDF: 10094217.6/1



Right In: -436.980+/-328.073 χ^2/NDF: 23.3/26

Left Out: 467.929+/-294.257 χ^2/NDF:44.1/24

Right Out: 47.938+/-318.441 χ^2/NDF: 29.4/31

Left In: -503.558+/-307.055 χ^2/NDF:17.4/22

Left: 2.853+/-212.452 χ^2/NDF: 66.7/47

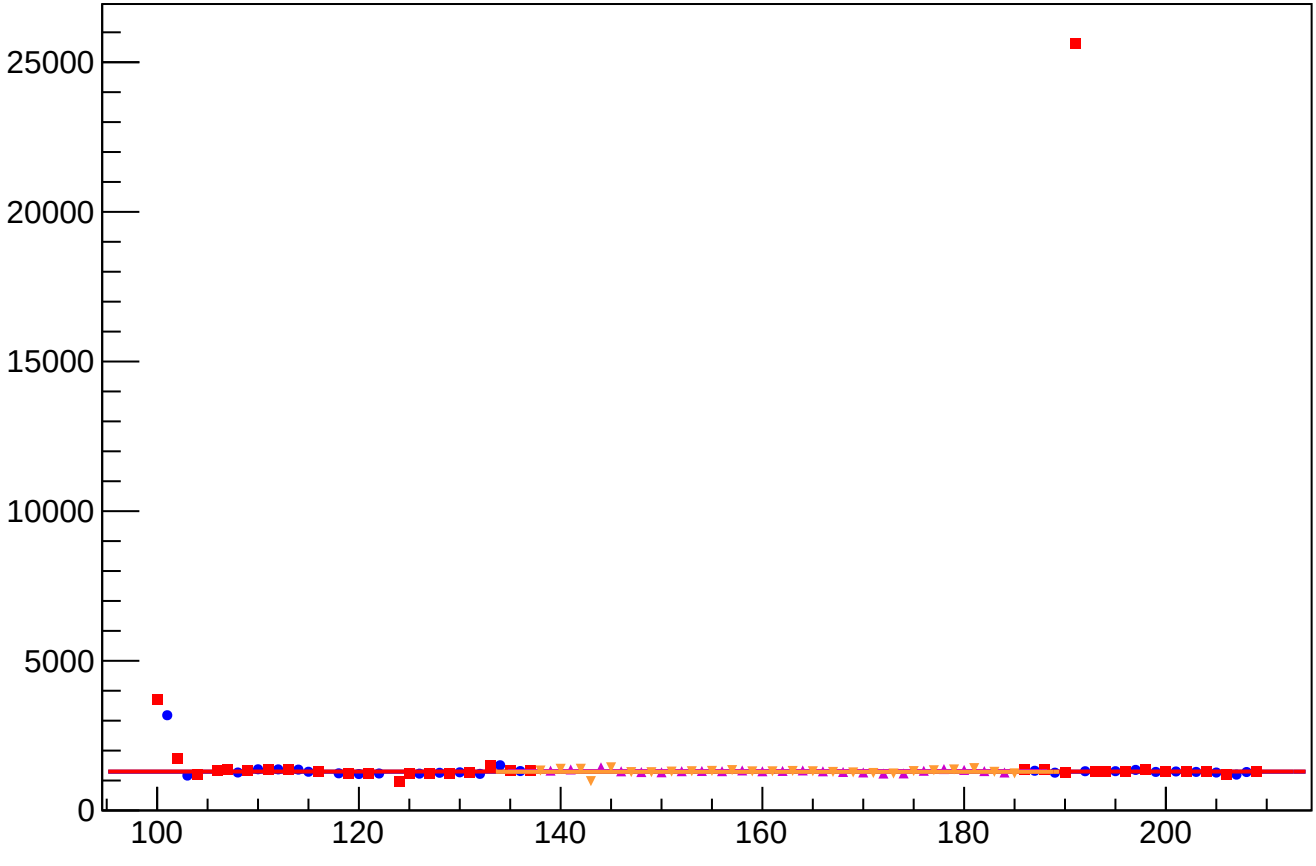
Right: -187.298+/-228.501 χ^2/NDF: 53.8/58

In: -472.470+/-224.183 χ^2/NDF:40.7/49

Out: 274.485+/-216.116 χ^2/NDF:74.4/56

All: -85.311+/-155.591 χ^2/NDF: 120.9/106

dit_asym_atl1r2_dd_atl2r1_dd_dd_rms vs Slug, Sign Corrected



Right In: 1293.910+/-0.232 χ^2/NDF: 528931.1/26

Left Out: 1291.211+/-0.208 χ^2/NDF:230735.1/24

Right Out: 1300.850+/-0.225 χ^2/NDF: 378231.7/31

Left In: 1314.006+/-0.217 χ^2/NDF:43044.7/22

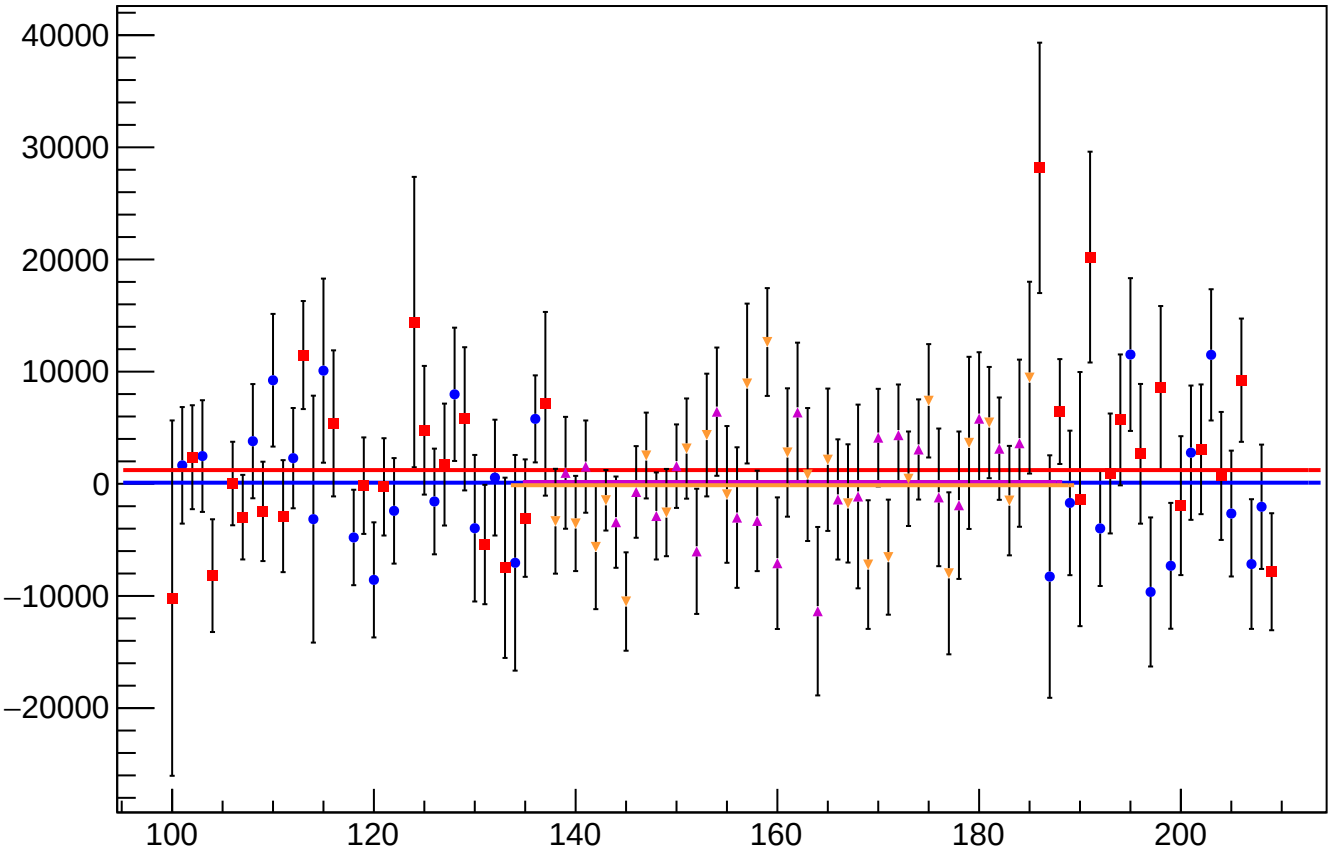
Left: 1302.123+/-0.150 χ^2/NDF: 279525.5/47

Right: 1297.484+/-0.162 χ^2/NDF: 907623.8/58

In: 1304.622+/-0.159 χ^2/NDF:575976.0/49

Out: 1295.652+/-0.153 χ^2/NDF:609955.6/56

All: 1299.972+/-0.110 χ^2/NDF: 1187591.5/10



Right In: 98.258+/-1074.950 χ^2/NDF: 28.4/26

Left Out: -127.273+/-977.231 χ^2/NDF:28.6/24

Right Out: 1222.316+/-984.024 χ^2/NDF: 36.2/31

Left In: 159.452+/-1045.510 χ^2/NDF:13.8/22

Left: 6.422+/-713.925 χ^2/NDF: 42.4/47

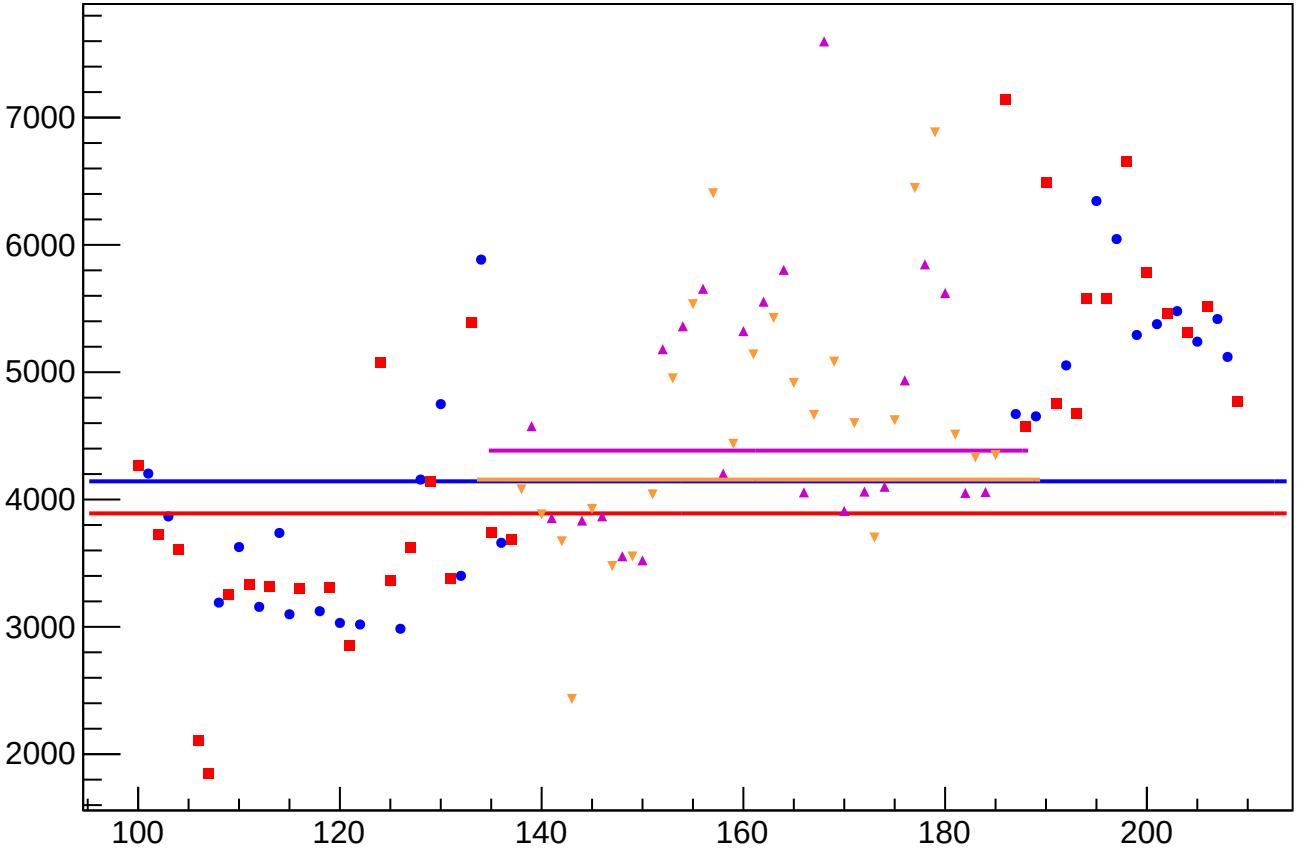
Right: 709.830+/-725.830 χ^2/NDF: 65.2/58

In: 129.705+/-749.479 χ^2/NDF:42.2/49

Out: 542.847+/-693.396 χ^2/NDF:65.7/56

All: 352.310+/-508.978 χ^2/NDF: 108.1/106

asym_atl1r2_dd_atl2r1_dd_dd_dit_correction_rms vs Slug, Sign Corrected



Right In: 4143.082+/-0.760 χ^2/NDF: 1785243.1/26

Left Out: 4156.582+/-0.691 χ^2/NDF:2080766.1/24

Right Out: 3891.188+/-0.696 χ^2/NDF: 3116996.9/31

Left In: 4384.323+/-0.739 χ^2/NDF:1255470.8/22

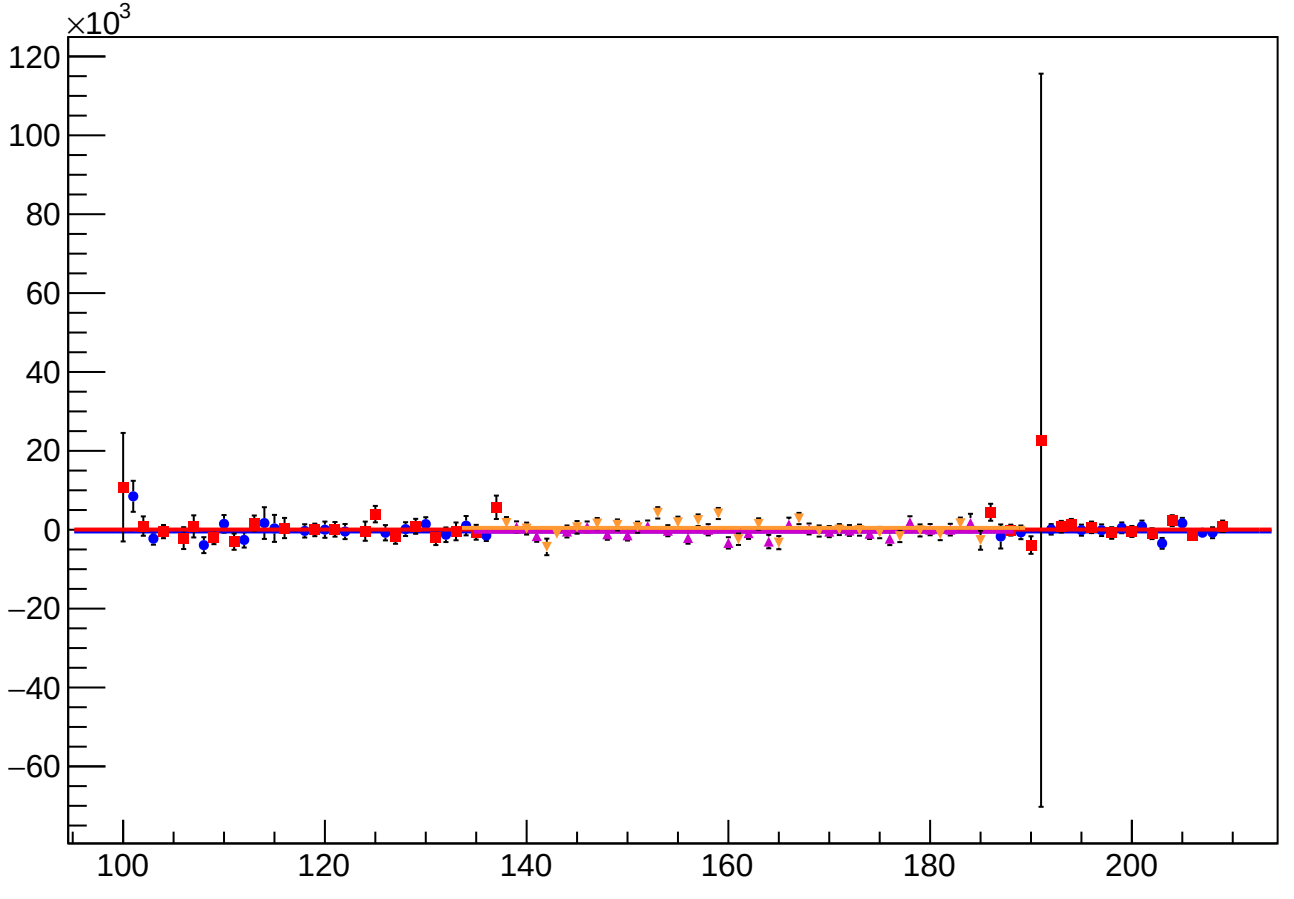
Left: 4262.773+/-0.505 χ^2/NDF: 3386885.6/47

Right: 4006.033+/-0.513 χ^2/NDF: 4961991.5/58

In: 4267.051+/-0.530 χ^2/NDF:3092476.6/49

Out: 4024.804+/-0.490 χ^2/NDF:5271006.5/56

All: 4136.526+/-0.360 χ^2/NDF: 8476063.9/10



Right In: -436.981+/-328.073 χ^2/NDF: 23.3/26

Left Out: 467.933+/-294.257 χ^2/NDF:44.1/24

Right Out: 47.936+/-318.441 χ^2/NDF: 29.4/31

Left In: -503.558+/-307.056 χ^2/NDF:17.4/22

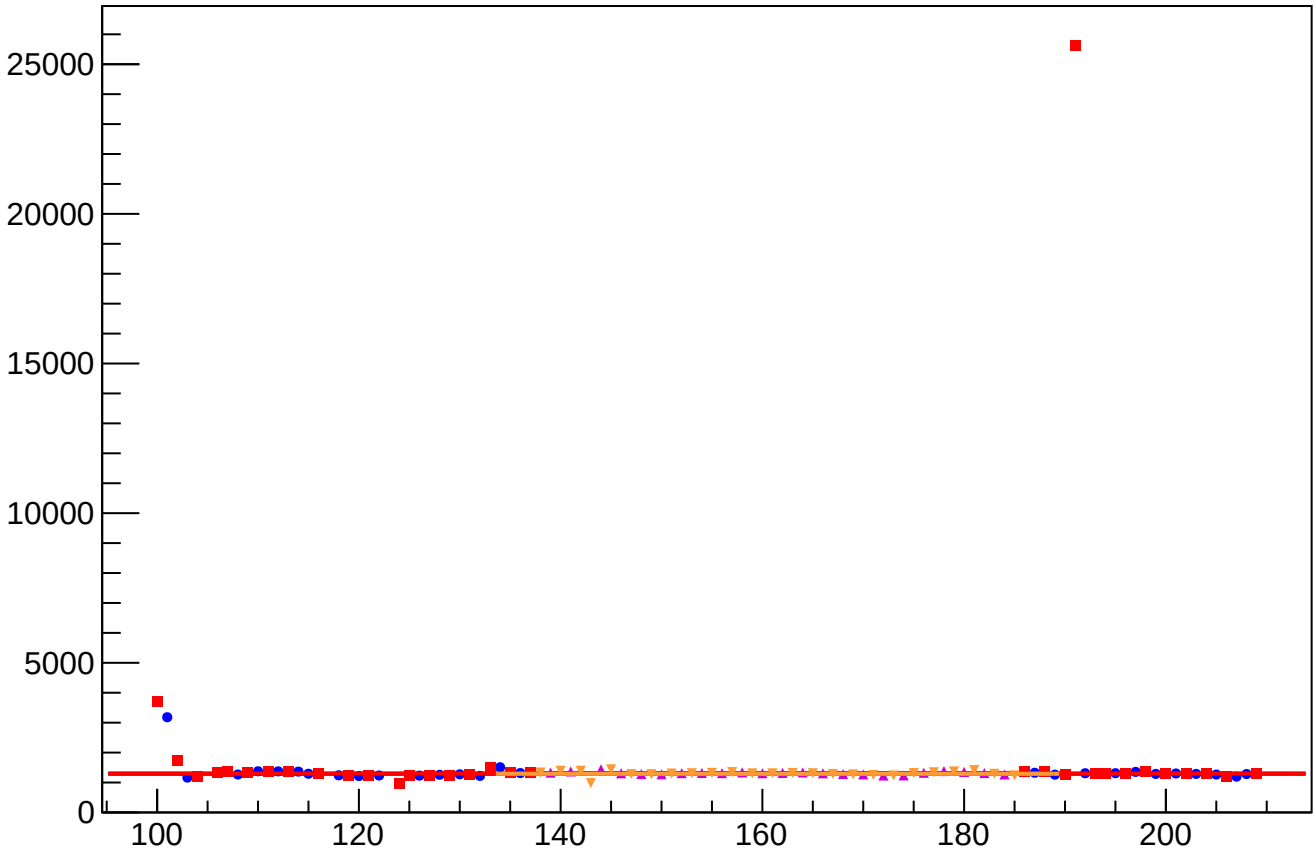
Left: 2.855+/-212.452 χ^2/NDF: 66.7/47

Right: -187.299+/-228.501 χ^2/NDF: 53.8/58

In: -472.470+/-224.183 χ^2/NDF:40.7/49

Out: 274.486+/-216.116 χ^2/NDF:74.4/56

All: -85.310+/-155.591 χ^2/NDF: 120.9/106



Right In: 1293.910+/-0.232 χ^2/NDF: 528931.2/26

Left Out: 1291.212+/-0.208 χ^2/NDF:230737.6/24

Right Out: 1300.850+/-0.225 χ^2/NDF: 378231.8/31

Left In: 1314.007+/-0.217 χ^2/NDF:43046.8/22

Left: 1302.125+/-0.150 χ^2/NDF: 279530.2/47

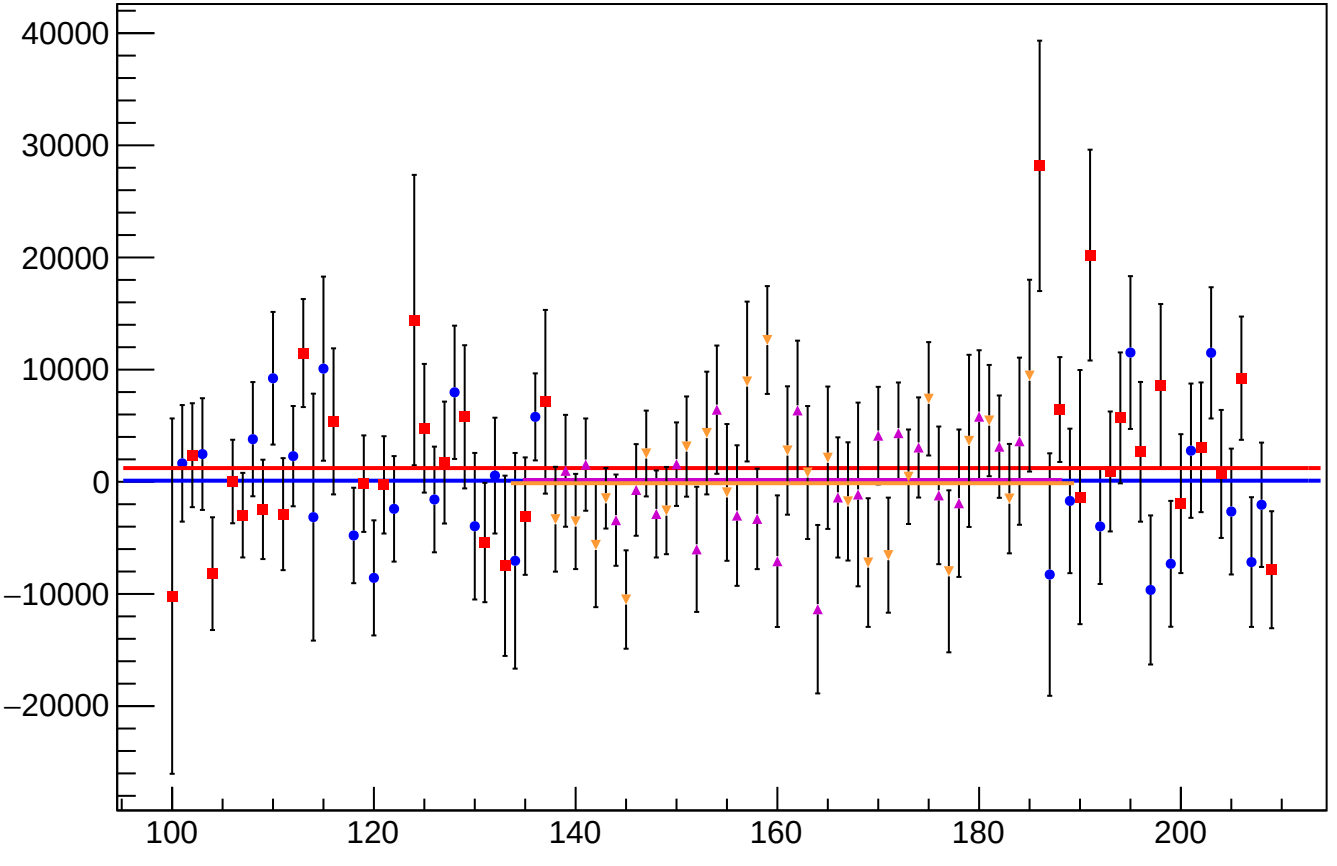
Right: 1297.485+/-0.162 χ^2/NDF: 907624.0/58

In: 1304.623+/-0.159 χ^2/NDF:575978.8/49

Out: 1295.653+/-0.153 χ^2/NDF:609958.0/56

All: 1299.973+/-0.110 χ^2/NDF: 1187596.6/10

asym_atl1r2_dd_atl2r1_dd_dd_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: 98.254+/-1074.949 χ^2/NDF: 28.4/26

Left Out: -127.271+/-977.232 χ^2/NDF:28.6/24

Right Out: 1222.309+/-984.023 χ^2/NDF: 36.2/31

Left In: 159.454+/-1045.511 χ^2/NDF:13.8/22

Left: 6.424+/-713.926 χ^2/NDF: 42.4/47

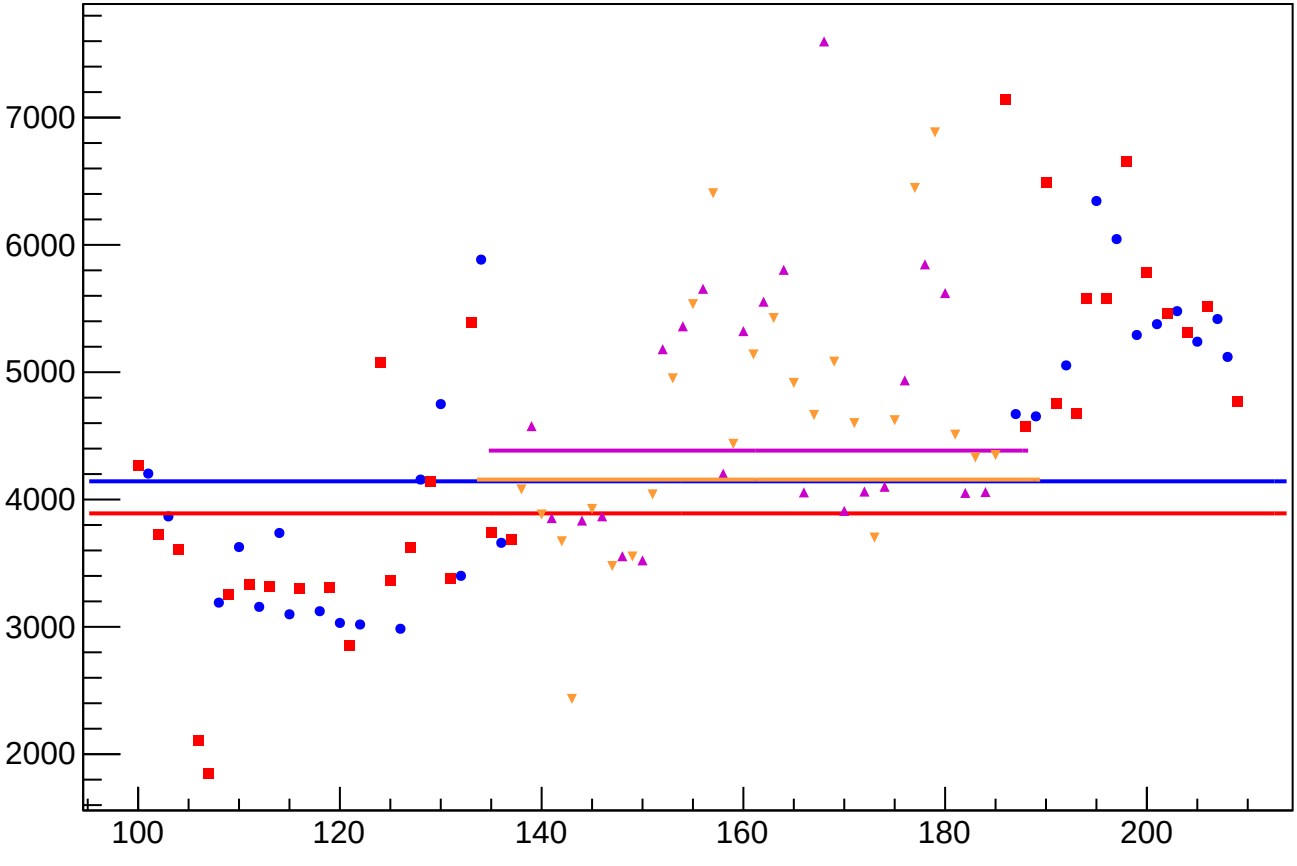
Right: 709.824+/-725.830 χ^2/NDF: 65.2/58

In: 129.703+/-749.479 χ^2/NDF:42.2/49

Out: 542.846+/-693.396 χ^2/NDF:65.7/56

All: 352.309+/-508.978 χ^2/NDF: 108.1/106

asym_atl1r2_dd_atl2r1_dd_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 4143.076+/-0.760 χ^2/NDF: 1785274.0/26

Left Out: 4156.588+/-0.691 χ^2/NDF:2080769.0/24

Right Out: 3891.181+/-0.696 χ^2/NDF: 3117026.5/31

Left In: 4384.329+/-0.739 χ^2/NDF:1255475.0/22

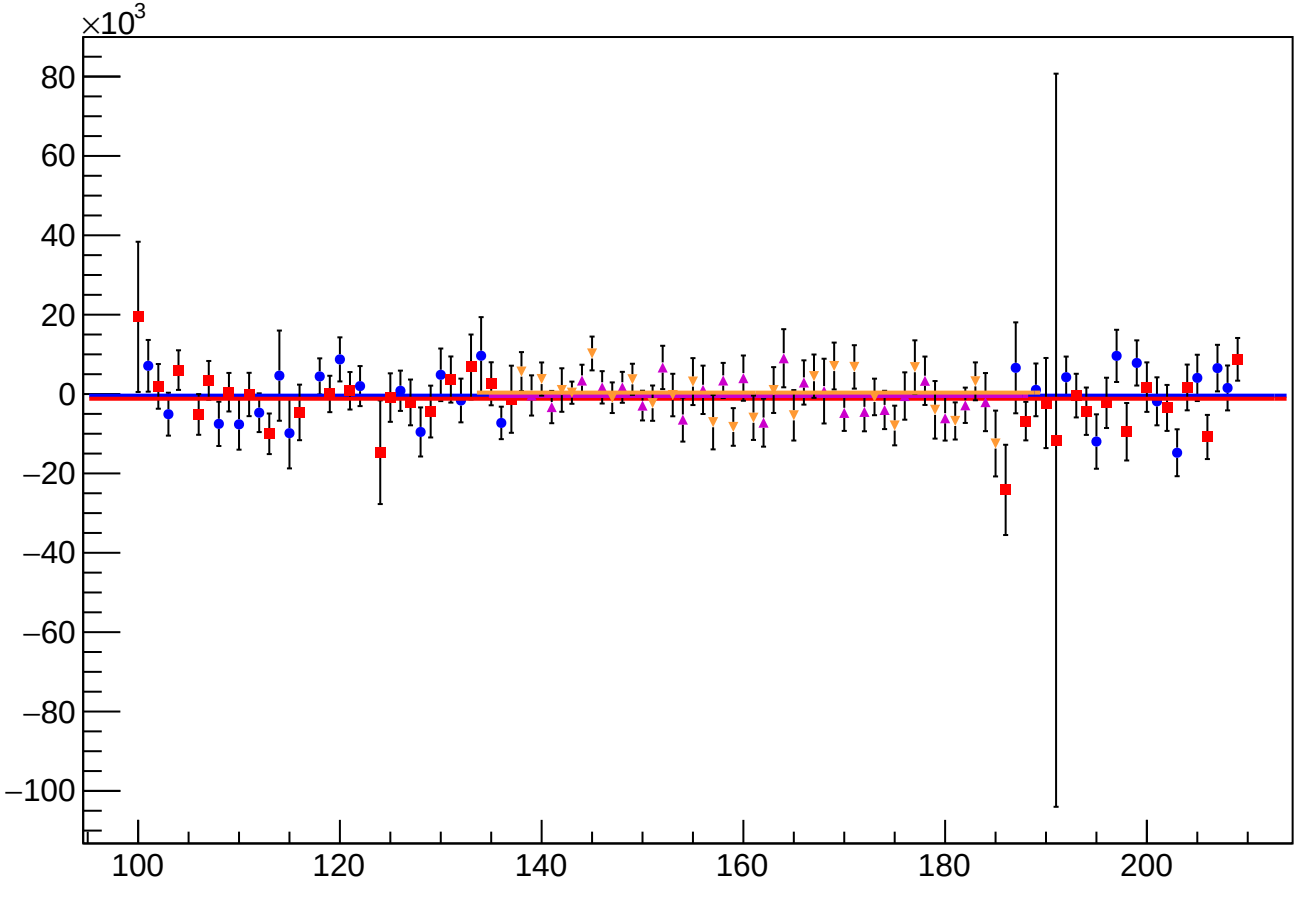
Left: 4262.780+/-0.505 χ^2/NDF: 3386892.6/47

Right: 4006.026+/-0.513 χ^2/NDF: 4962052.1/58

In: 4267.051+/-0.530 χ^2/NDF:3092517.2/49

Out: 4024.804+/-0.490 χ^2/NDF:5271045.9/56

All: 4136.526+/-0.360 χ^2/NDF: 8476144.2/10



Right In: -403.476+/-1135.087 χ^2/NDF: 34.5/26

Left Out: 362.528+/-979.860 χ^2/NDF:27.7/24

Right Out: -1182.217+/-1068.563 χ^2/NDF: 26.3/31

Left In: -497.522+/-1044.707 χ^2/NDF:13.9/22

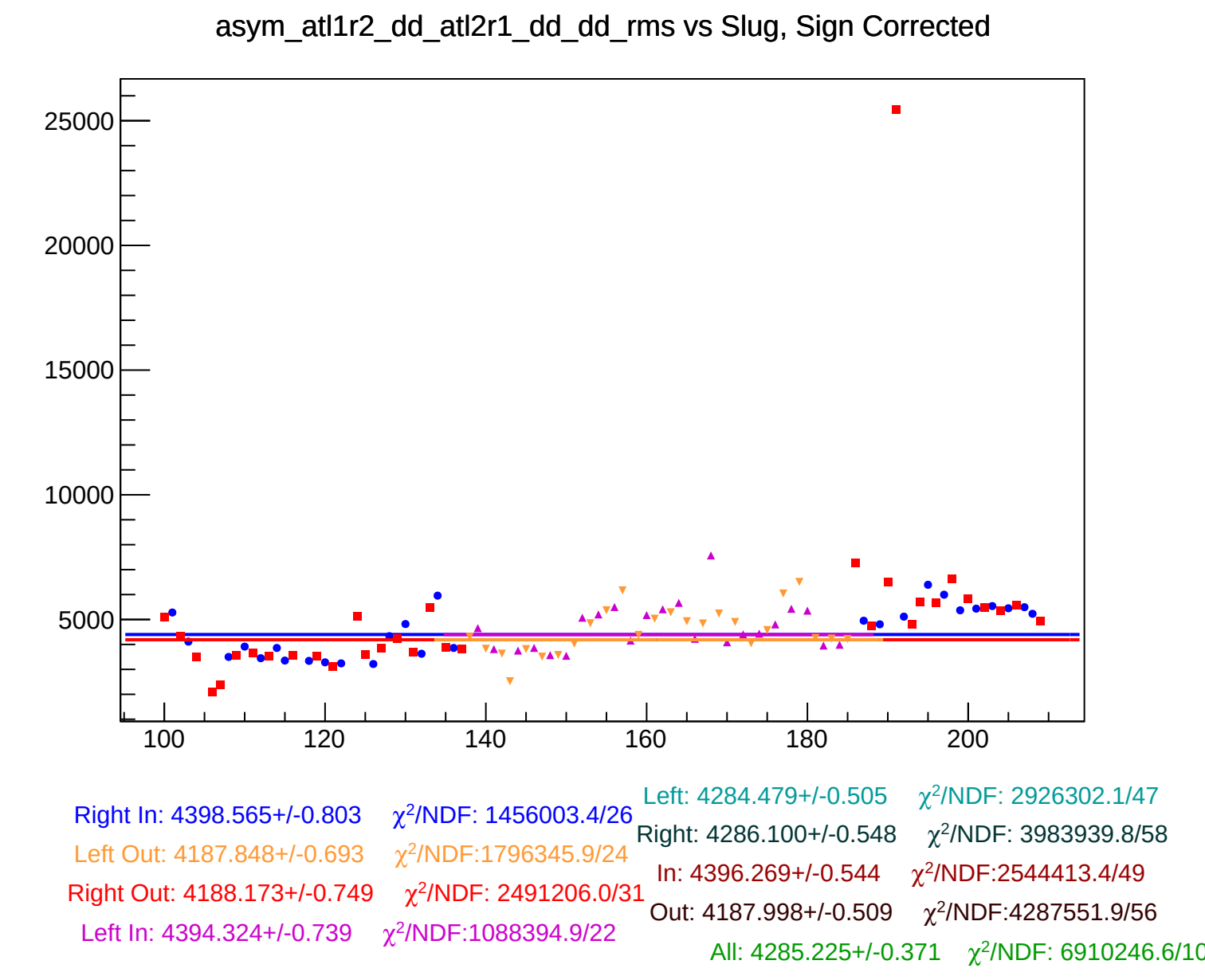
Left: -39.978+/-714.692 χ^2/NDF: 41.9/47

Right: -816.334+/-778.044 χ^2/NDF: 61.1/58

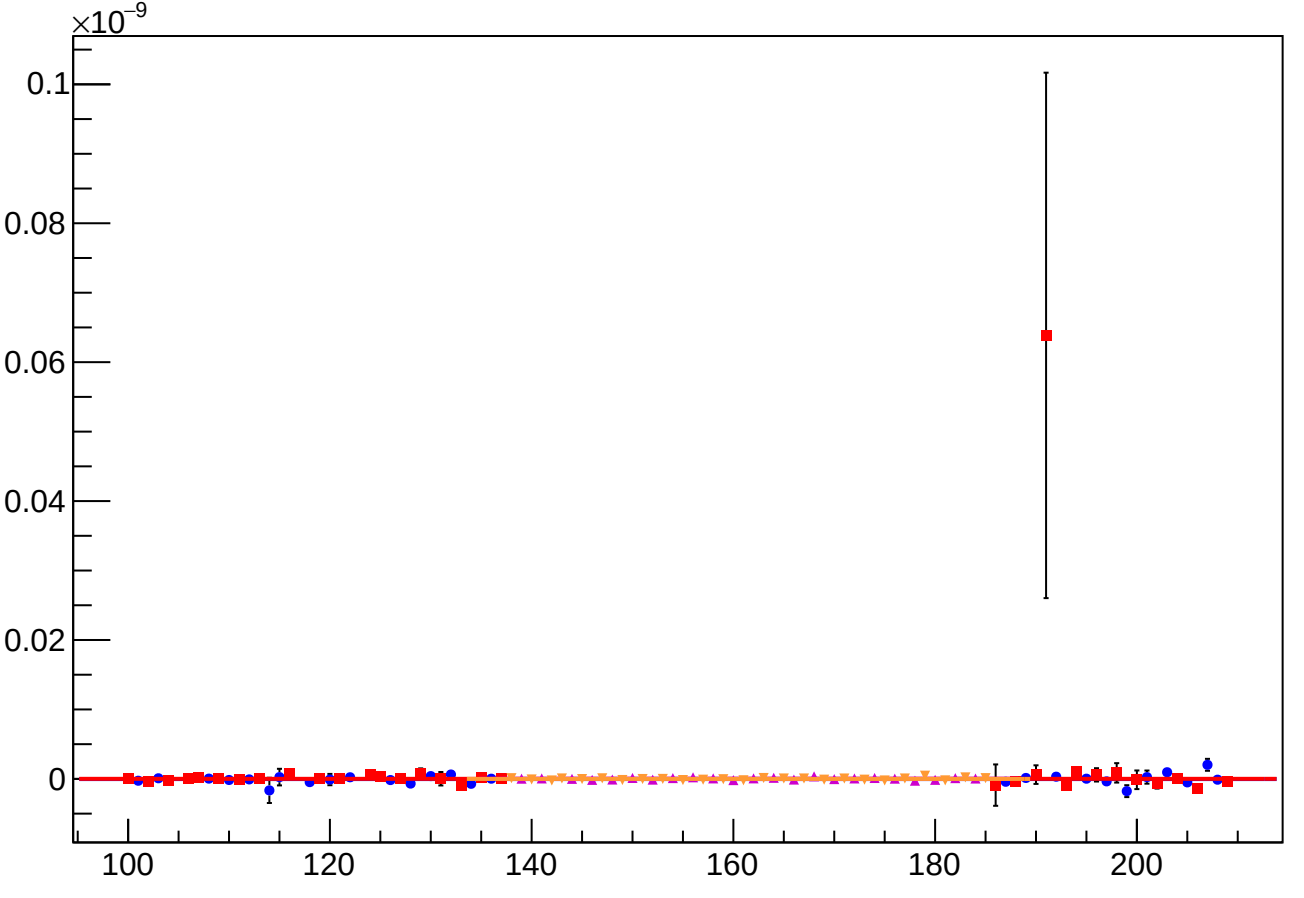
In: -454.392+/-768.688 χ^2/NDF:48.4/49

Out: -343.078+/-722.192 χ^2/NDF:55.1/56

All: -395.267+/-526.337 χ^2/NDF: 103.5/106


asym_atl1r2_dd_atl2r1_dd_dd_rms vs Slug, Sign Corrected
25000
20000
15000
10000
5000
100
120
140
160
180
200
Right In: 4398.565+/-0.803 χ²/NDF: 1456003.4/26
Left Out: 4187.848+/-0.693 χ²/NDF:1796345.9/24
Right Out: 4188.173+/-0.749 χ²/NDF: 2491206.0/31
Left In: 4394.324+/-0.739 χ²/NDF:1088394.9/22
Left: 4284.479+/-0.505 χ²/NDF: 2926302.1/47
Right: 4286.100+/-0.548 χ²/NDF: 3983939.8/58
In: 4396.269+/-0.544 χ²/NDF:2544413.4/49
Out: 4187.998+/-0.509 χ²/NDF:4287551.9/56
All: 4285.225+/-0.371 χ²/NDF: 6910246.6/10

asym_atl1r2_dd_atl2r1_dd_dd_reg_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.000 χ^2/NDF: 34.3/26

Left Out: -0.000+/-0.000 χ^2/NDF:30.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 33.9/31

Left In: 0.000+/-0.000 χ^2/NDF:17.0/22

Left: 0.000+/-0.000 χ^2/NDF: 48.0/47

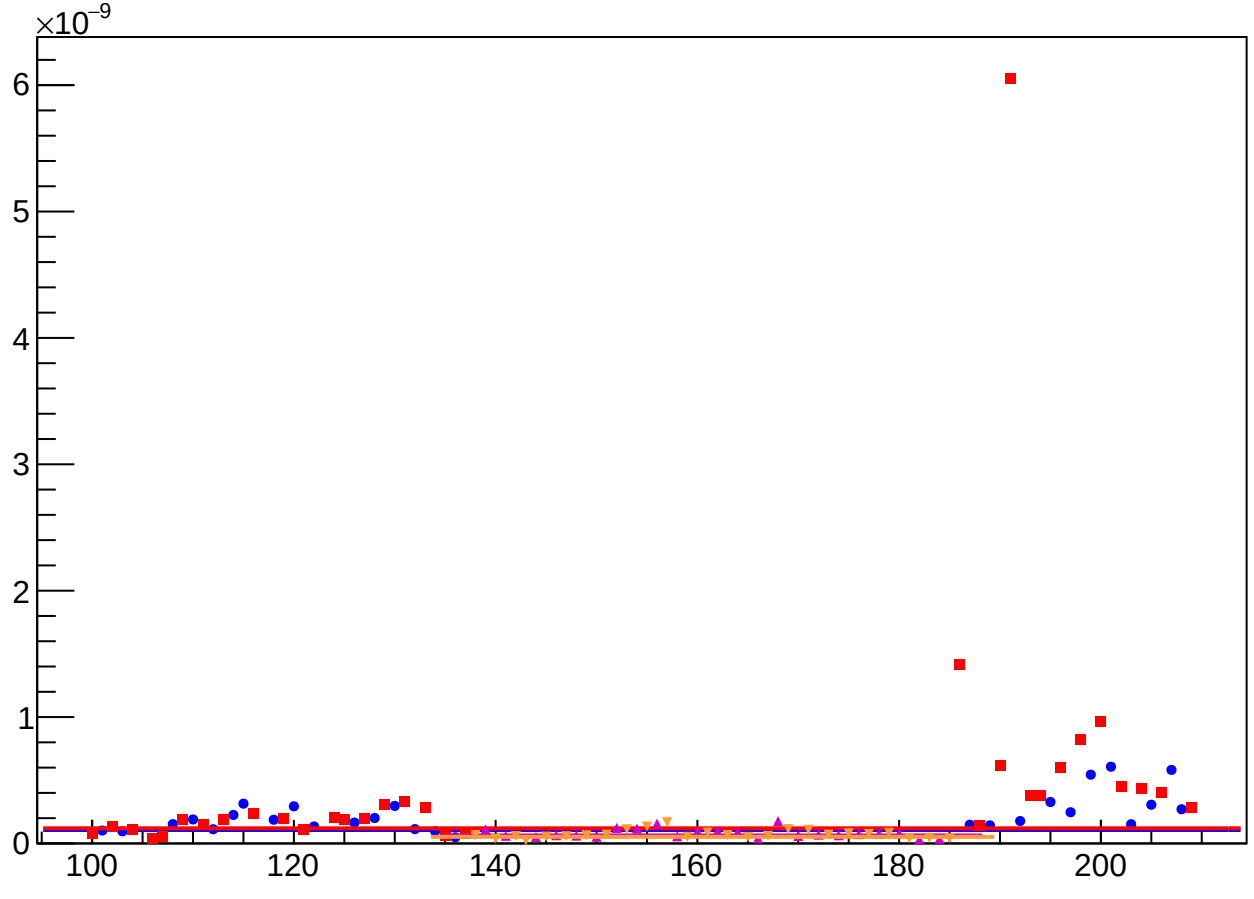
Right: -0.000+/-0.000 χ^2/NDF: 68.4/58

In: 0.000+/-0.000 χ^2/NDF:51.8/49

Out: -0.000+/-0.000 χ^2/NDF:64.4/56

All: 0.000+/-0.000 χ^2/NDF: 116.5/106

asym_atl1r2_dd_atl2r1_dd_dd_reg_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 4277731.5/26

Left Out: 0.000+/-0.000 χ^2/NDF:2628519.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 6669039.5/31

Left In: 0.000+/-0.000 χ^2/NDF:1788279.2/22

Left: 0.000+/-0.000 χ^2/NDF: 4618450.3/47

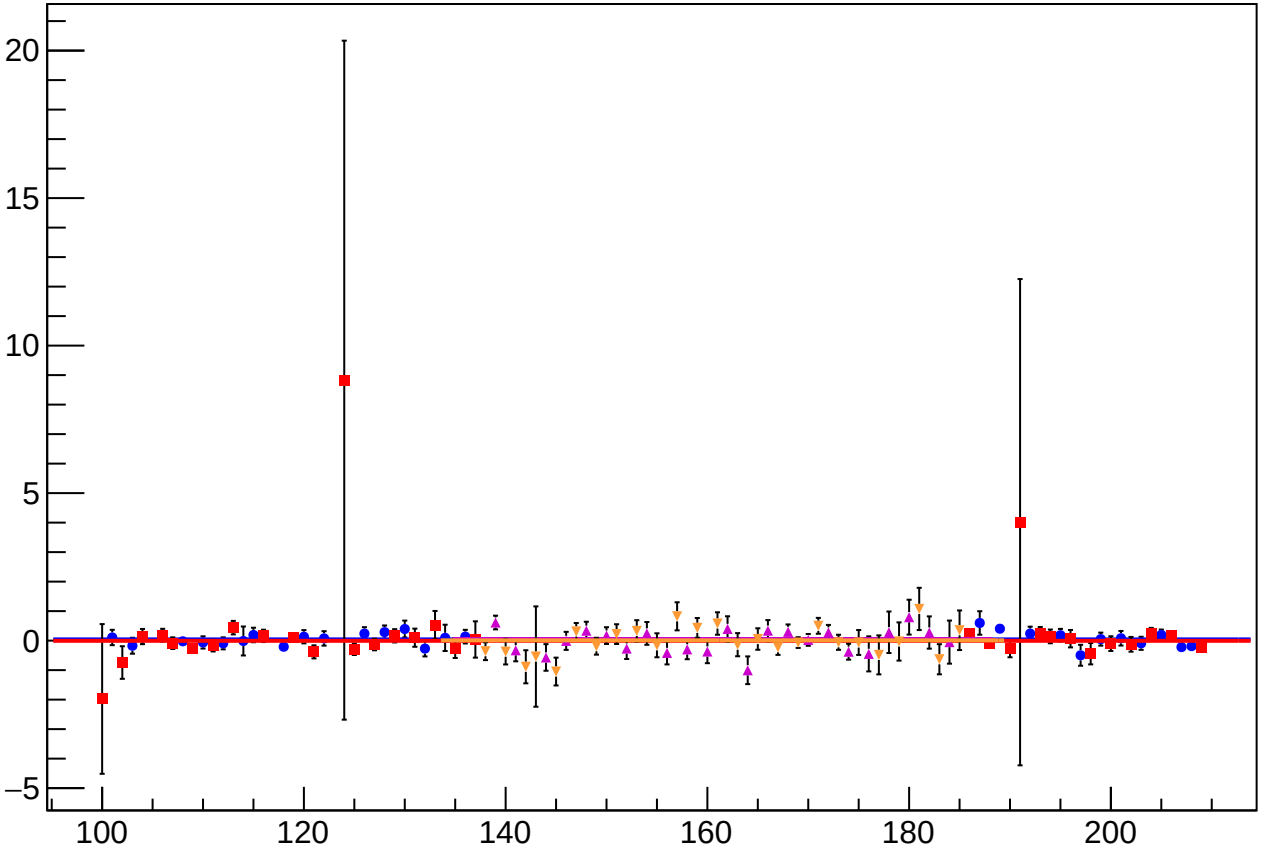
Right: 0.000+/-0.000 χ^2/NDF: 10995993.7/58

In: 0.000+/-0.000 χ^2/NDF:7071252.3/49

Out: 0.000+/-0.000 χ^2/NDF:11487516.6/56

All: 0.000+/-0.000 χ^2/NDF: 18791348.4/106

asym_atl1r2_dd_atl2r1_dd_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.042+/-0.042 χ^2/NDF: 26.7/26

Left Out: 0.009+/-0.071 χ^2/NDF:28.9/24

Right Out: -0.007+/-0.038 χ^2/NDF: 33.9/31

Left In: 0.053+/-0.070 χ^2/NDF:27.8/22

Left: 0.032+/-0.050 χ^2/NDF: 56.8/47

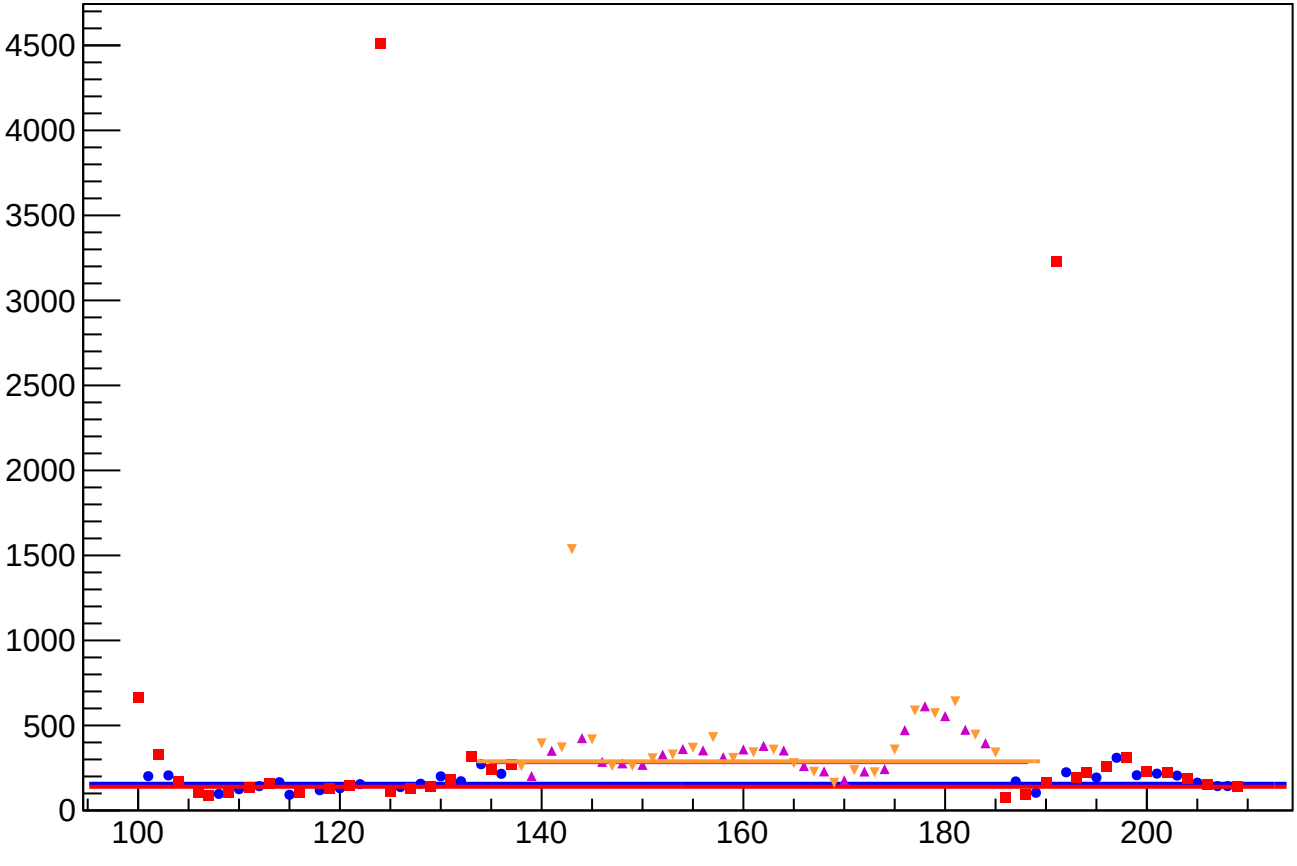
Right: 0.015+/-0.028 χ^2/NDF: 61.4/58

In: 0.045+/-0.036 χ^2/NDF:54.5/49

Out: -0.003+/-0.033 χ^2/NDF:62.9/56

All: 0.019+/-0.024 χ^2/NDF: 118.3/106

asym_atl1r2_dd_atl2r1_dd_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 157.039+/-0.030 χ^2/NDF: 2252194.5/26

Left Out: 288.922+/-0.050 χ^2/NDF:4648197.0/24

Right Out: 139.239+/-0.027 χ^2/NDF: 4674613.5/31

Left In: 284.168+/-0.050 χ^2/NDF:3077521.1/22

Left: 286.524+/-0.035 χ^2/NDF: 7730236.9/47

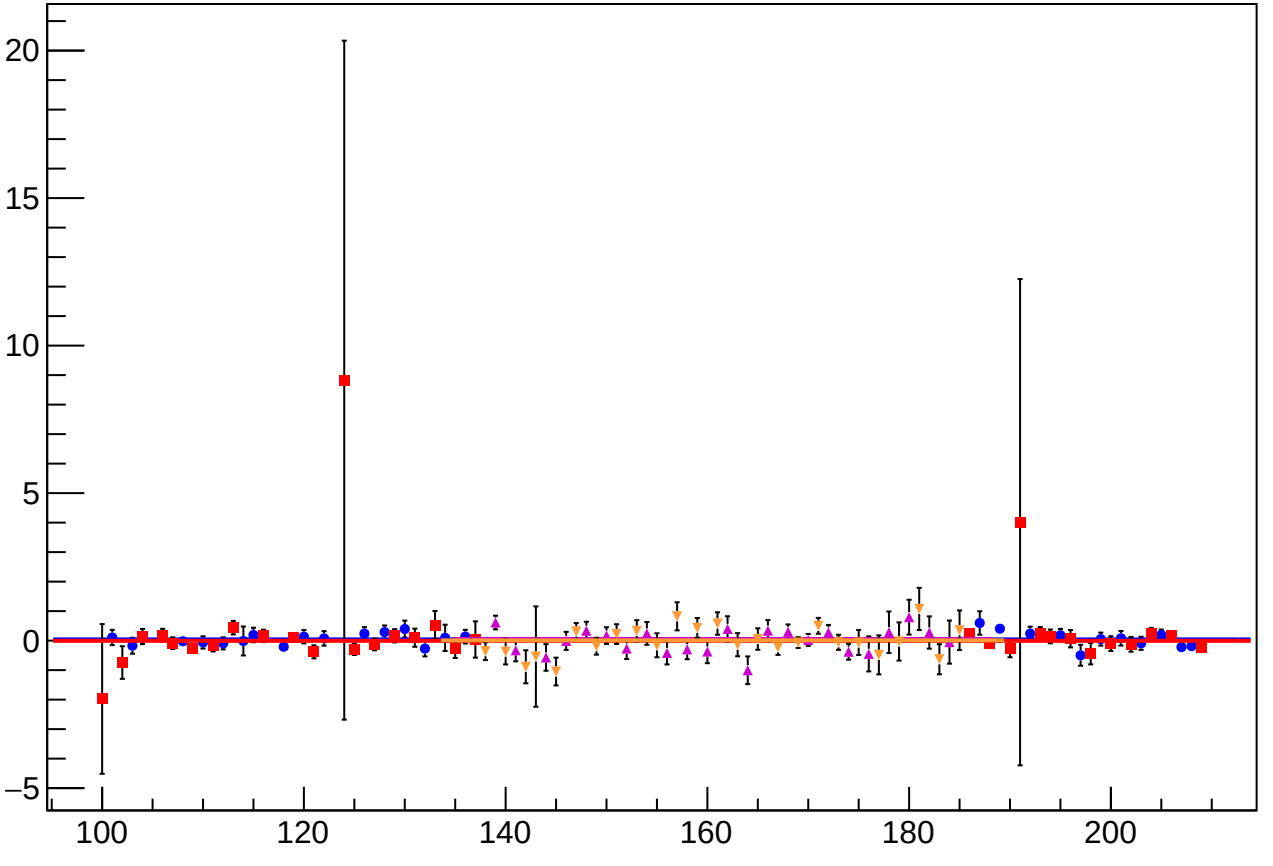
Right: 147.162+/-0.020 χ^2/NDF: 7126696.6/58

In: 190.338+/-0.025 χ^2/NDF:10142705.6/49

Out: 171.963+/-0.023 χ^2/NDF:16264971.5/56

All: 180.401+/-0.017 χ^2/NDF: 26688932.5/10

asym_atl1r2_dd_atl2r1_dd_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.042+/-0.042 χ^2/NDF: 26.7/26

Left Out: 0.009+/-0.071 χ^2/NDF:28.9/24

Right Out: -0.007+/-0.038 χ^2/NDF: 33.9/31

Left In: 0.053+/-0.070 χ^2/NDF:27.8/22

Left: 0.032+/-0.050 χ^2/NDF: 56.8/47

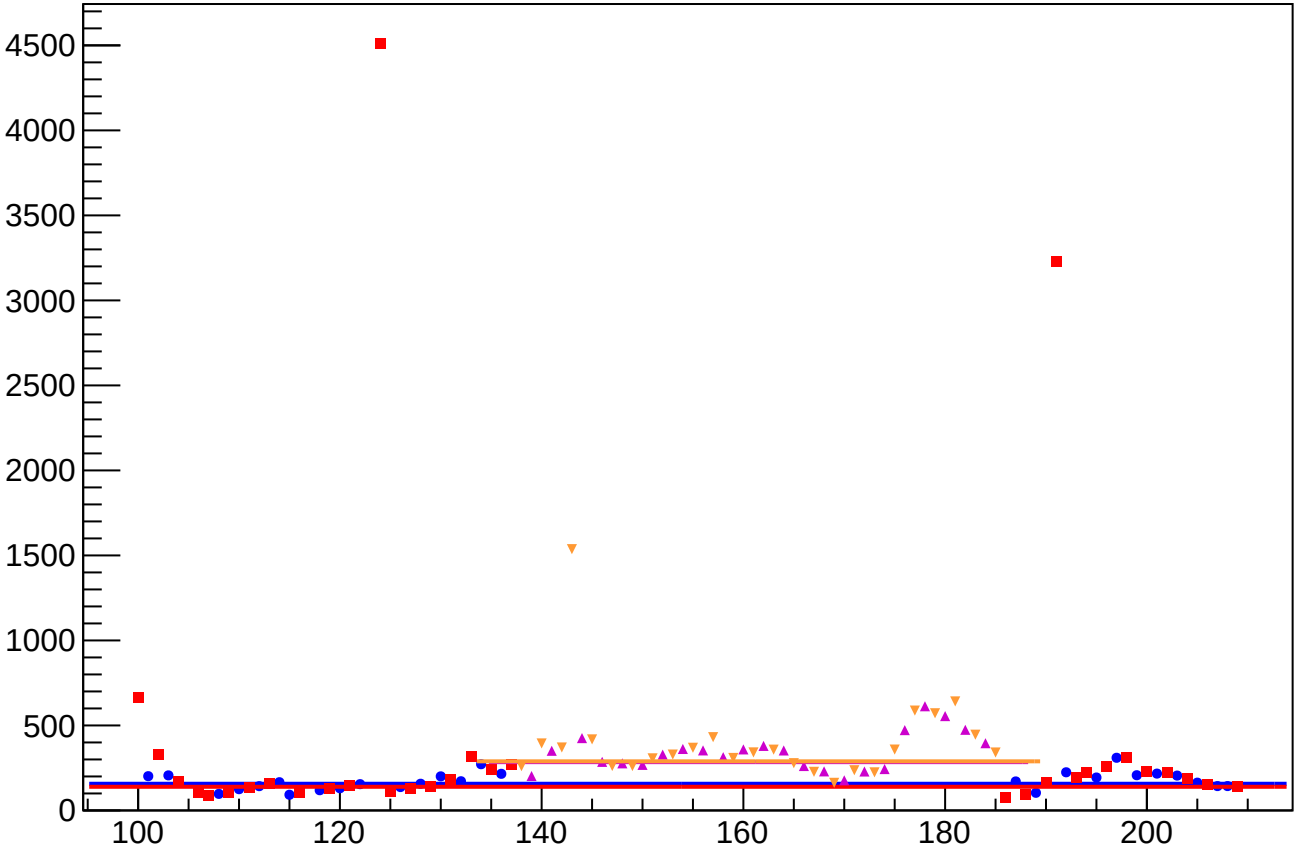
Right: 0.015+/-0.028 χ^2/NDF: 61.4/58

In: 0.045+/-0.036 χ^2/NDF:54.5/49

Out: -0.003+/-0.033 χ^2/NDF:62.9/56

All: 0.019+/-0.024 χ^2/NDF: 118.3/106

asym_atl1r2_dd_atl2r1_dd_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 157.039+/-0.030 χ^2/NDF: 2252194.5/26

Left Out: 288.922+/-0.050 χ^2/NDF:4648197.0/24

Right Out: 139.239+/-0.027 χ^2/NDF: 4674613.5/31

Left In: 284.168+/-0.050 χ^2/NDF:3077521.1/22

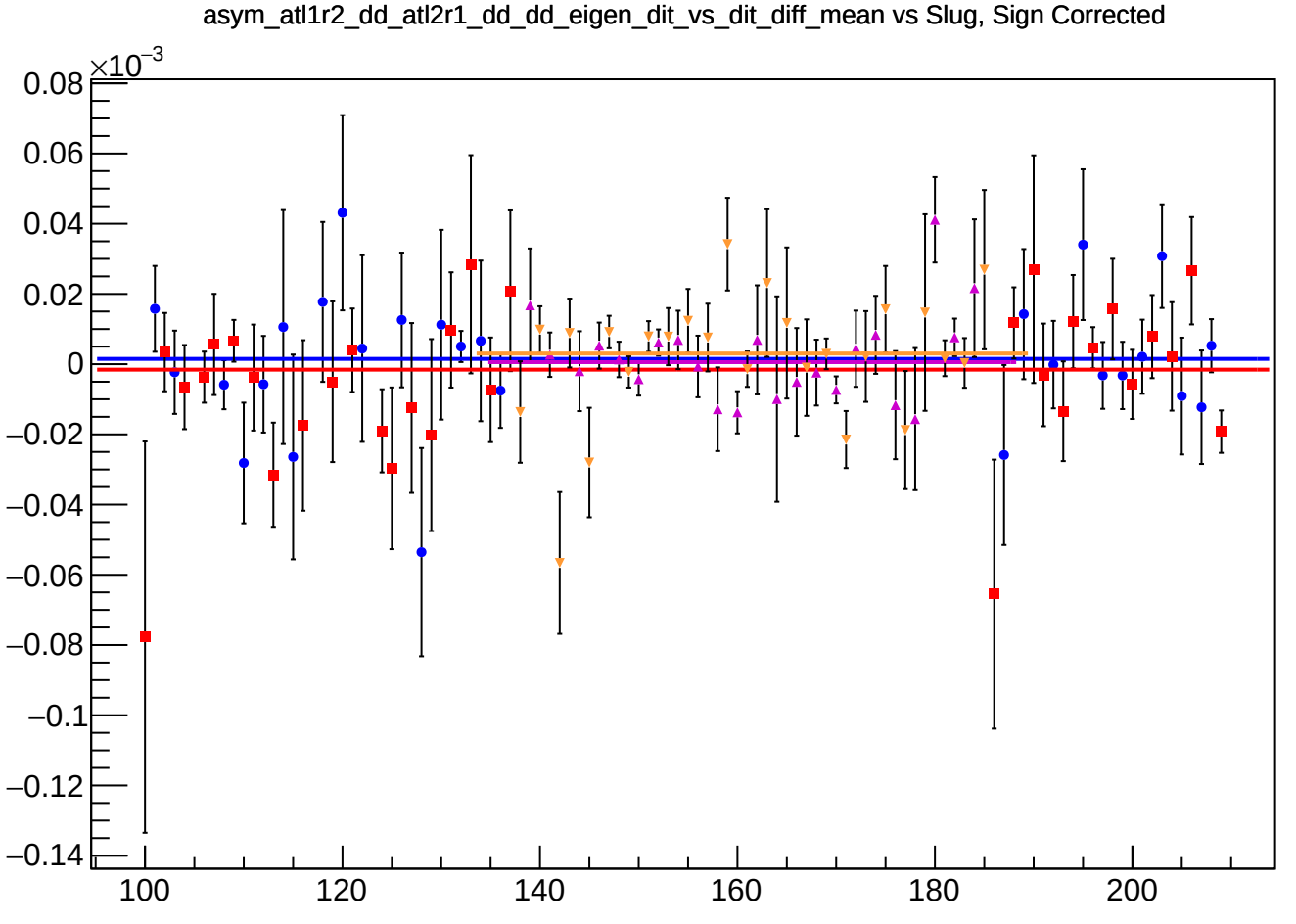
Left: 286.524+/-0.035 χ^2/NDF: 7730236.9/47

Right: 147.162+/-0.020 χ^2/NDF: 7126696.6/58

In: 190.338+/-0.025 χ^2/NDF:10142705.6/49

Out: 171.963+/-0.023 χ^2/NDF:16264971.5/56

All: 180.401+/-0.017 χ^2/NDF: 26688932.5/10



Right In: 0.000+/-0.000 χ^2/NDF: 24.6/26

Left Out: 0.000+/-0.000 χ^2/NDF:42.2/24

Right Out: -0.000+/-0.000 χ^2/NDF: 38.5/31

Left In: 0.000+/-0.000 χ^2/NDF:33.2/22

Left: 0.000+/-0.000 χ^2/NDF: 76.7/47

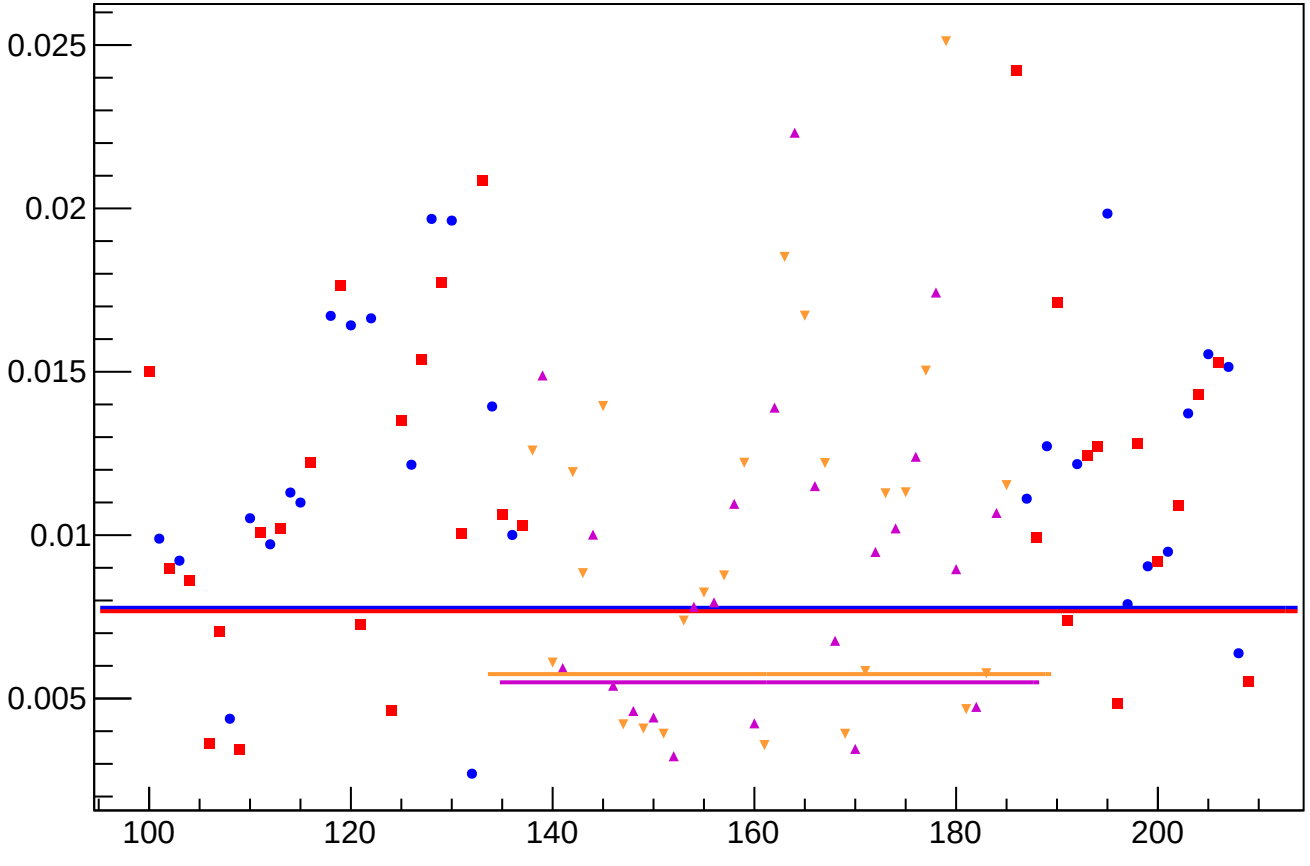
Right: -0.000+/-0.000 χ^2/NDF: 64.1/58

In: 0.000+/-0.000 χ^2/NDF:57.9/49

Out: 0.000+/-0.000 χ^2/NDF:83.9/56

All: 0.000+/-0.000 χ^2/NDF: 141.9/106

asym_atl1r2_dd_atl2r1_dd_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.008+/-0.000 χ^2/NDF: 7487309.9/26

Left Out: 0.006+/-0.000 χ^2/NDF:8128513.8/24

Right Out: 0.008+/-0.000 χ^2/NDF: 6709901.5/31

Left In: 0.005+/-0.000 χ^2/NDF:6937299.0/22

Left: 0.006+/-0.000 χ^2/NDF: 15093250.6/47

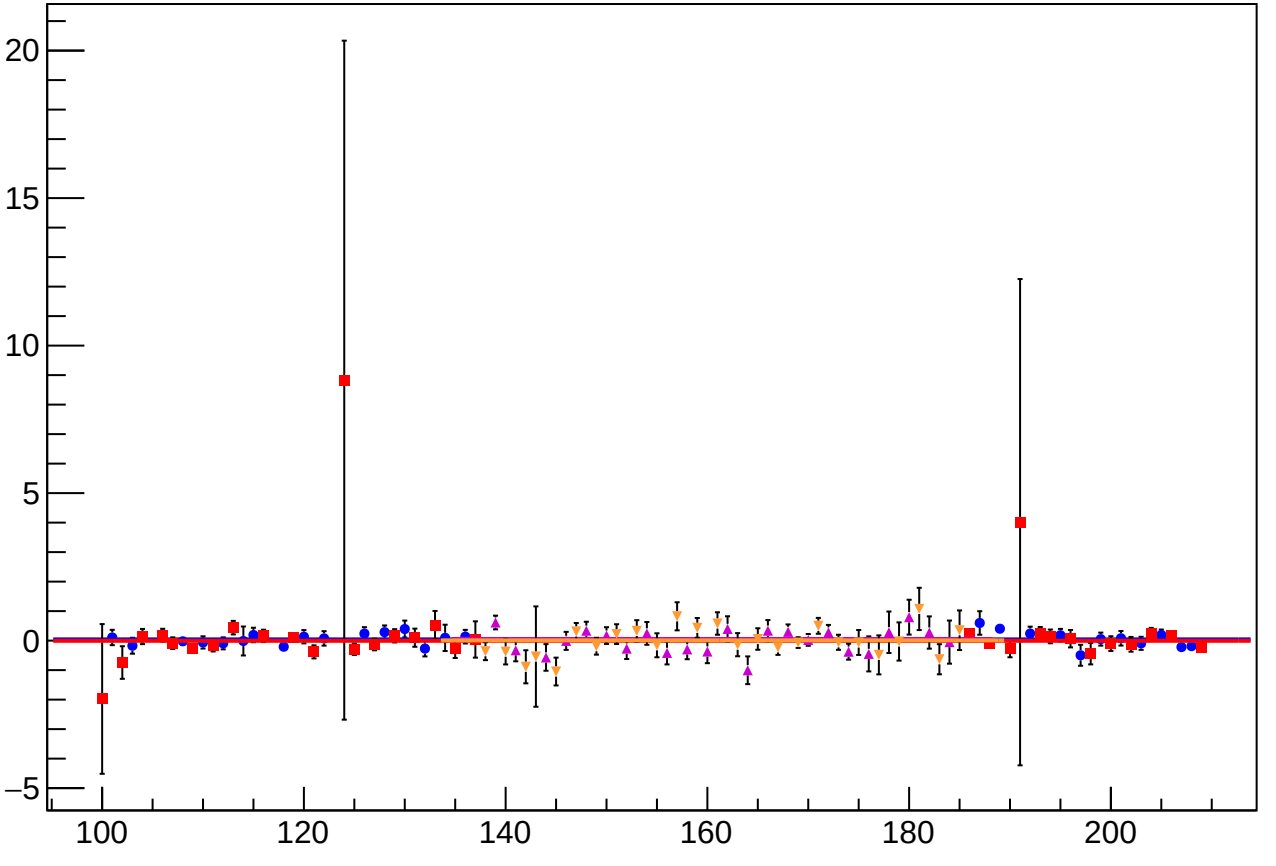
Right: 0.008+/-0.000 χ^2/NDF: 14199466.4/58

In: 0.006+/-0.000 χ^2/NDF:15801355.3/49

Out: 0.006+/-0.000 χ^2/NDF:15930527.3/56

All: 0.006+/-0.000 χ^2/NDF: 31761518.8/106

asym_atl1r2_dd_atl2r1_dd_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.042+/-0.042 χ^2/NDF: 26.7/26

Left Out: 0.009+/-0.071 χ^2/NDF:28.9/24

Right Out: -0.007+/-0.038 χ^2/NDF: 33.9/31

Left In: 0.053+/-0.070 χ^2/NDF:27.8/22

Left: 0.032+/-0.050 χ^2/NDF: 56.8/47

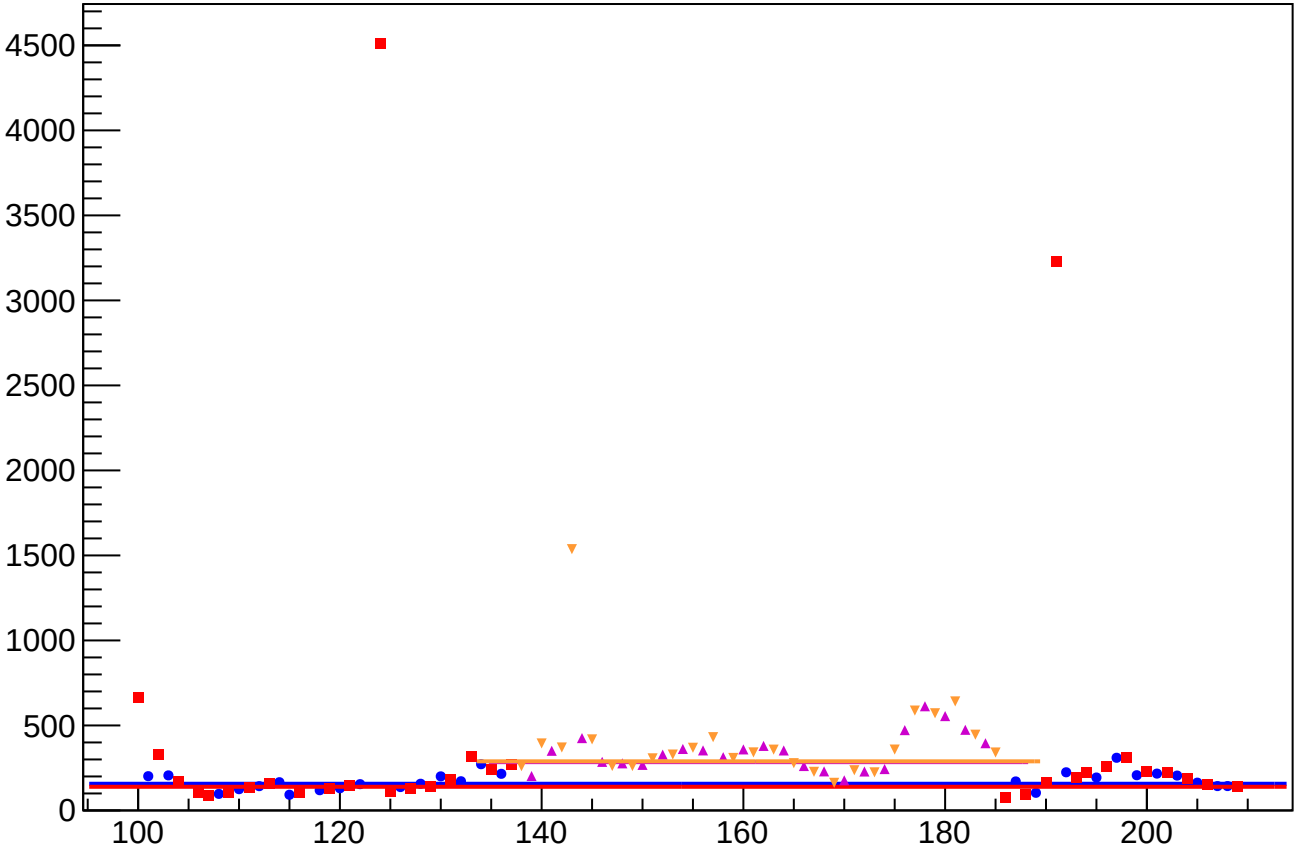
Right: 0.015+/-0.028 χ^2/NDF: 61.4/58

In: 0.045+/-0.036 χ^2/NDF:54.5/49

Out: -0.003+/-0.033 χ^2/NDF:62.9/56

All: 0.019+/-0.024 χ^2/NDF: 118.3/106

asym_atl1r2_dd_atl2r1_dd_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 157.039+/-0.030 χ^2/NDF: 2252184.2/26

Left Out: 288.922+/-0.050 χ^2/NDF:4648388.8/24

Right Out: 139.241+/-0.027 χ^2/NDF: 4674453.5/31

Left In: 284.170+/-0.050 χ^2/NDF:3077626.7/22

Left: 286.525+/-0.035 χ^2/NDF: 7730531.8/47

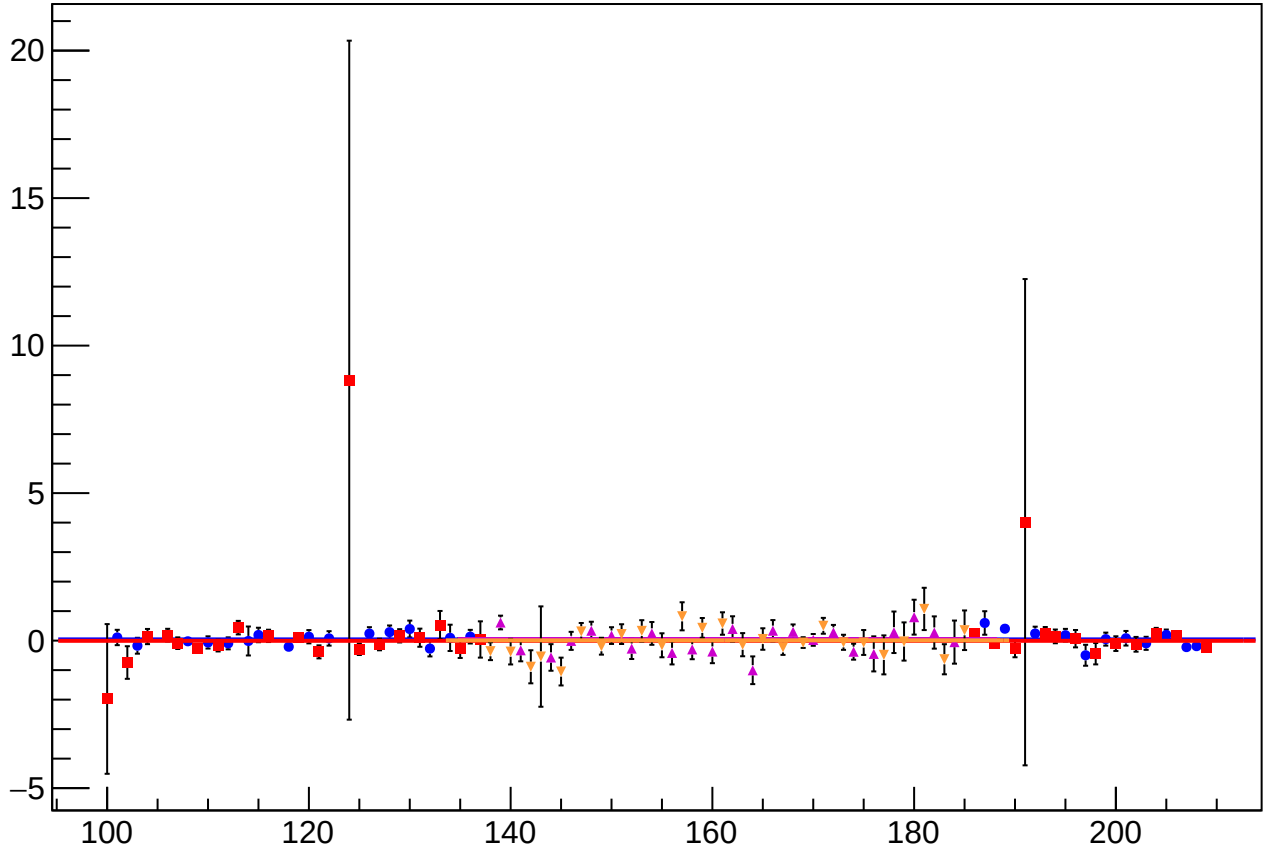
Right: 147.163+/-0.020 χ^2/NDF: 7126486.3/58

In: 190.338+/-0.025 χ^2/NDF:10142854.2/49

Out: 171.965+/-0.023 χ^2/NDF:16264784.3/56

All: 180.403+/-0.017 χ^2/NDF: 26688842.2/10

asym_atl1r2_dd_atl2r1_dd_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.042+/-0.042 χ^2/NDF: 26.7/26

Left Out: 0.009+/-0.071 χ^2/NDF:28.9/24

Right Out: -0.007+/-0.038 χ^2/NDF: 33.9/31

Left In: 0.053+/-0.070 χ^2/NDF:27.8/22

Left: 0.032+/-0.050 χ^2/NDF: 56.8/47

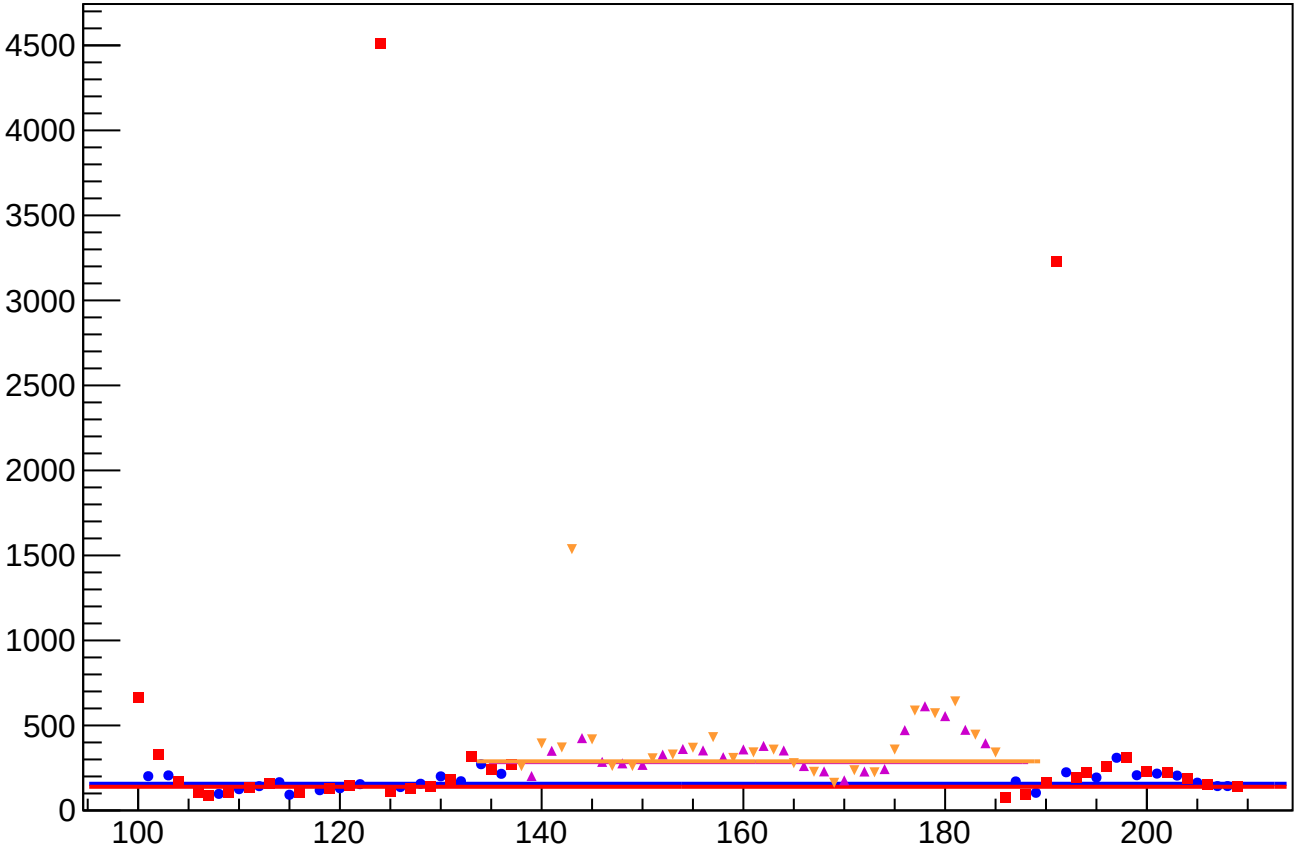
Right: 0.015+/-0.028 χ^2/NDF: 61.4/58

In: 0.045+/-0.036 χ^2/NDF:54.5/49

Out: -0.003+/-0.033 χ^2/NDF:62.9/56

All: 0.019+/-0.024 χ^2/NDF: 118.3/106

asym_atl1r2_dd_atl2r1_dd_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 157.039+/-0.030 χ^2/NDF: 2252184.2/26

Left Out: 288.922+/-0.050 χ^2/NDF:4648388.8/24

Right Out: 139.241+/-0.027 χ^2/NDF: 4674453.5/31

Left In: 284.170+/-0.050 χ^2/NDF:3077626.7/22

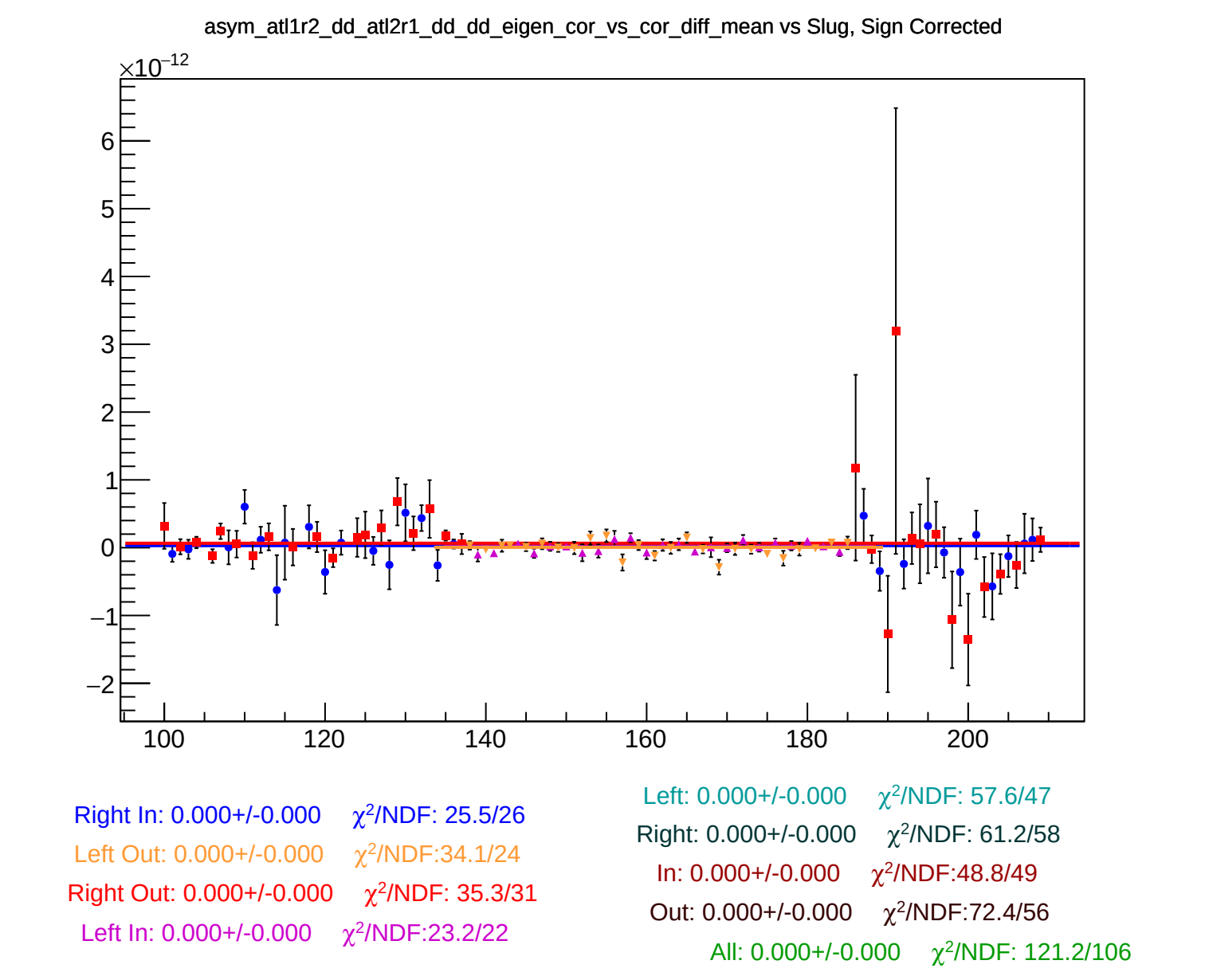
Left: 286.525+/-0.035 χ^2/NDF: 7730531.8/47

Right: 147.163+/-0.020 χ^2/NDF: 7126486.3/58

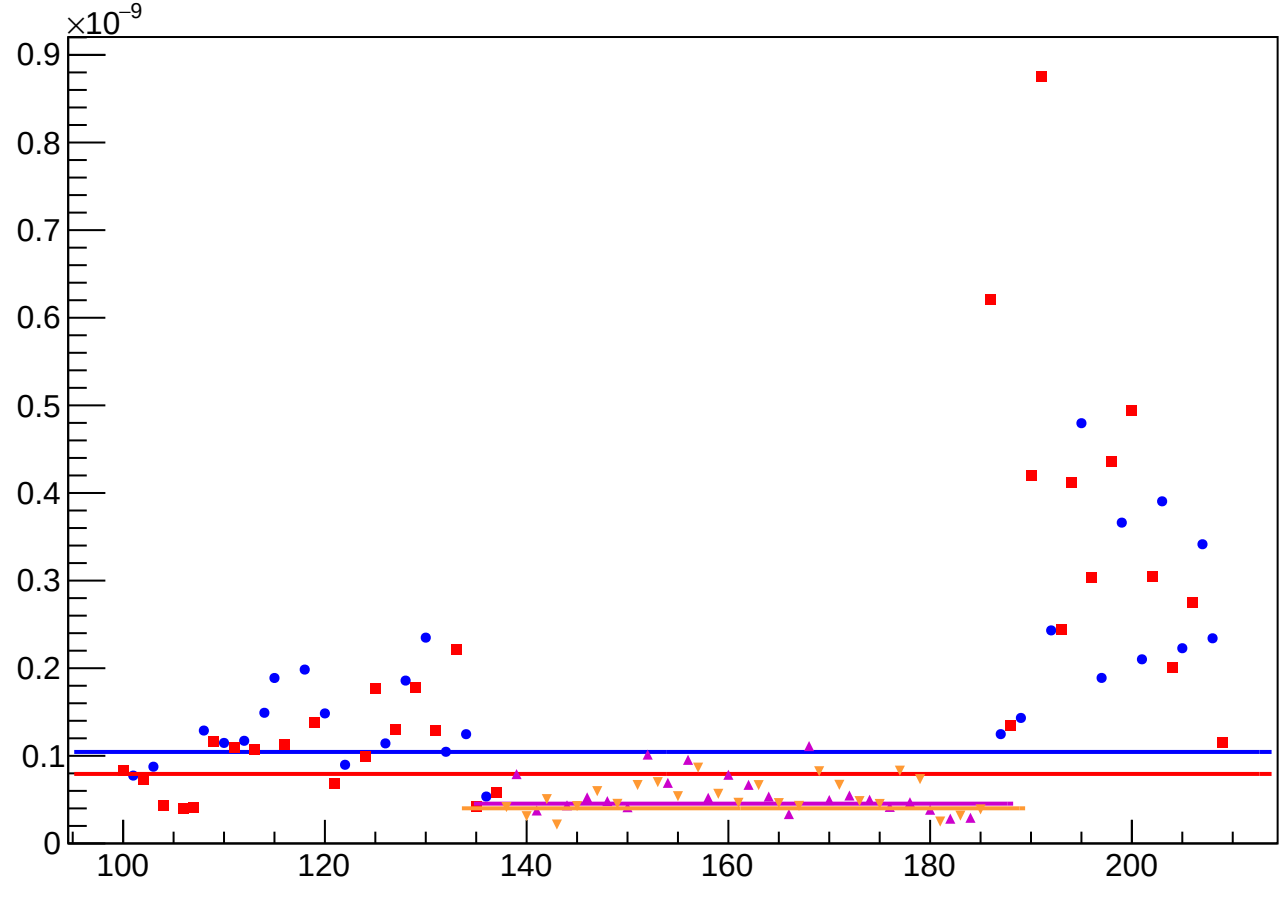
In: 190.338+/-0.025 χ^2/NDF:10142854.2/49

Out: 171.965+/-0.023 χ^2/NDF:16264784.3/56

All: 180.403+/-0.017 χ^2/NDF: 26688842.2/10


asym_atl1r2_dd_atl2r1_dd_dd_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
6
5
4
3
2
1
0
−1
−2
100
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 25.5/26
Left Out: 0.000+/-0.000 χ²/NDF:34.1/24
Right Out: 0.000+/-0.000 χ²/NDF: 35.3/31
Left In: 0.000+/-0.000 χ²/NDF:23.2/22
Left: 0.000+/-0.000 χ²/NDF: 57.6/47
Right: 0.000+/-0.000 χ²/NDF: 61.2/58
In: 0.000+/-0.000 χ²/NDF:48.8/49
Out: 0.000+/-0.000 χ²/NDF:72.4/56
All: 0.000+/-0.000 χ²/NDF: 121.2/106

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: 5582087.5/26

Left Out: 0.000+/-0.000 χ^2/NDF:3609934.1/24

Right Out: 0.000+/-0.000 χ^2/NDF: 7704705.4/31

Left In: 0.000+/-0.000 χ^2/NDF:2780344.5/22

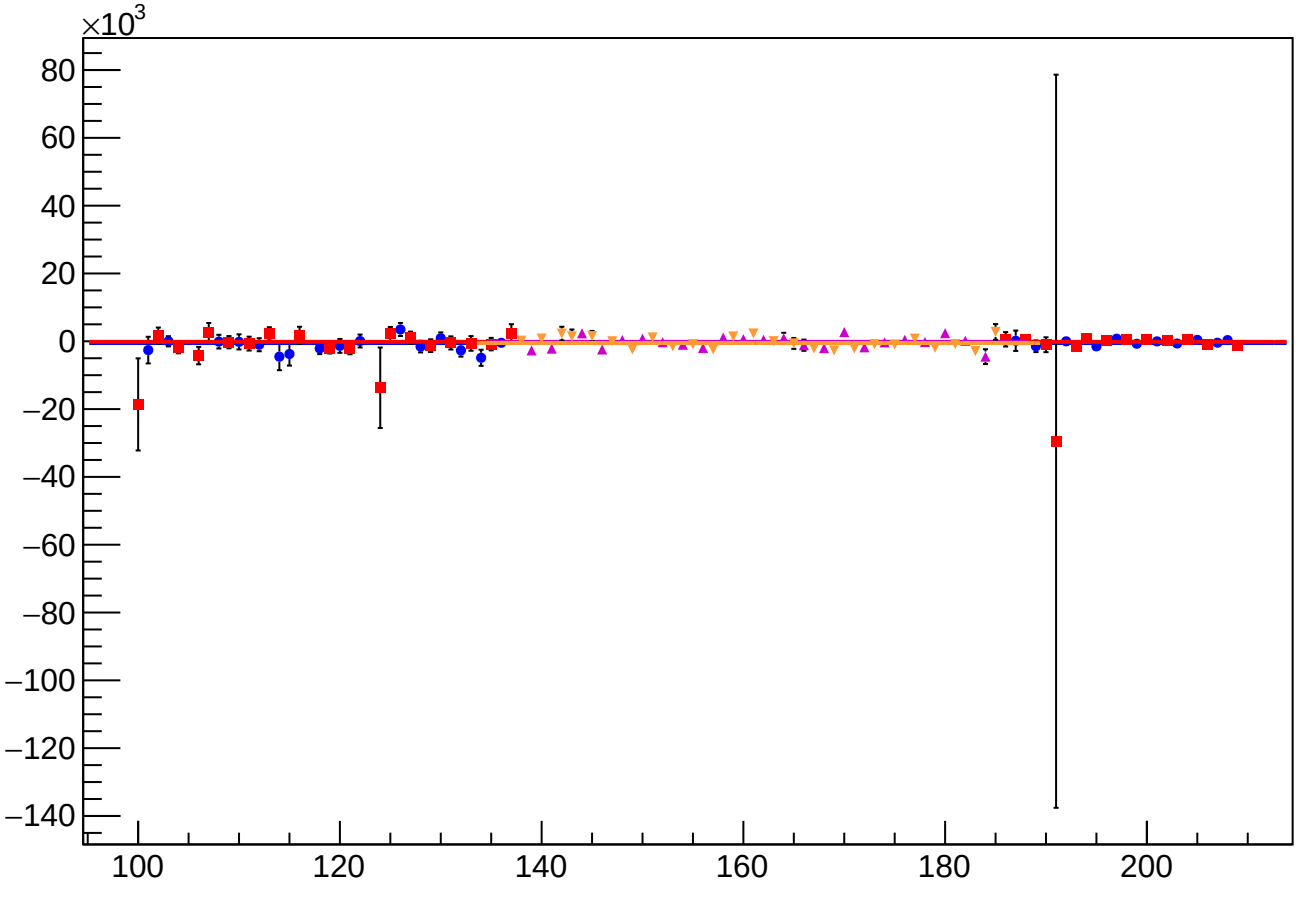
Left: 0.000+/-0.000 χ^2/NDF: 6559252.5/47

Right: 0.000+/-0.000 χ^2/NDF: 13762446.7/58

In: 0.000+/-0.000 χ^2/NDF:12262093.7/49

Out: 0.000+/-0.000 χ^2/NDF:13884015.3/56

All: 0.000+/-0.000 χ^2/NDF: 26431480.3/106



Right In: -507.477+/-322.368 χ^2/NDF: 16.6/26

Left Out: -514.484+/-285.945 χ^2/NDF:30.9/24

Right Out: -167.346+/-314.554 χ^2/NDF: 20.3/31

Left In: -242.686+/-291.166 χ^2/NDF:32.0/22

Left: -381.044+/-204.014 χ^2/NDF: 63.4/47

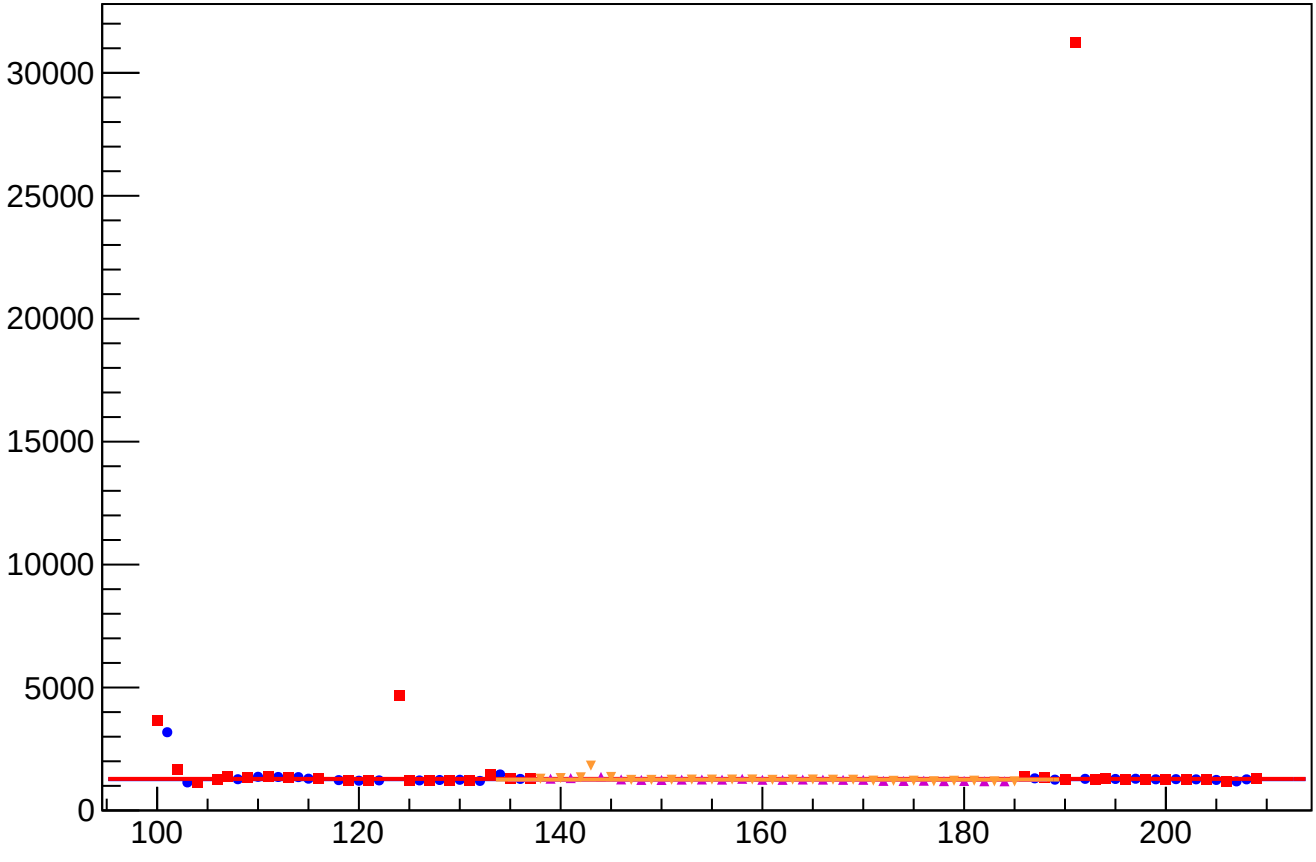
Right: -333.239+/-225.135 χ^2/NDF: 37.5/58

In: -361.649+/-216.077 χ^2/NDF:49.0/49

Out: -357.417+/-211.587 χ^2/NDF:51.9/56

All: -359.489+/-151.177 χ^2/NDF: 101.0/106

reg_asym_atl1r2_dd_atl2r1_dd_avg_rms vs Slug, Sign Corrected



Right In: 1271.489+/-0.228 χ^2/NDF: 532300.0/26

Left Out: 1255.514+/-0.202 χ^2/NDF:203124.1/24

Right Out: 1284.110+/-0.222 χ^2/NDF: 507570.6/31

Left In: 1246.355+/-0.206 χ^2/NDF:39857.0/22

Left: 1251.017+/-0.144 χ^2/NDF: 243988.6/47

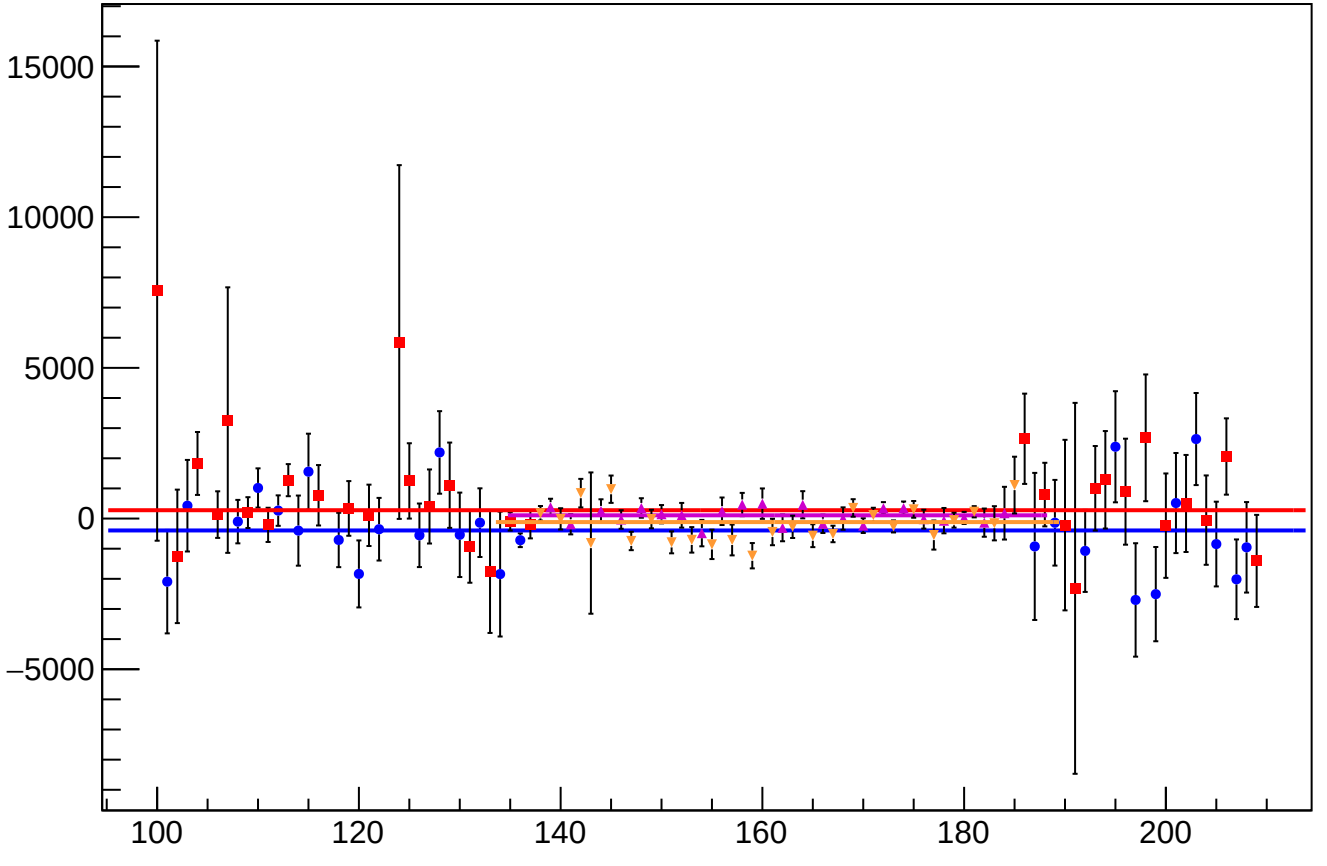
Right: 1277.954+/-0.159 χ^2/NDF: 1041441.1/58

In: 1257.647+/-0.153 χ^2/NDF:578852.6/49

Out: 1268.453+/-0.150 χ^2/NDF:719745.1/56

All: 1263.163+/-0.107 χ^2/NDF: 1301151.3/10

asym_atl1r2_dd_atl2r1_dd_avg_reg_correction_mean vs Slug, Sign Corrected



Right In: -394.964+/-158.421 χ^2/NDF: 30.1/26

Left Out: -117.028+/-65.059 χ^2/NDF:48.4/24

Right Out: 276.588+/-158.236 χ^2/NDF: 23.3/31

Left In: 107.341+/-67.001 χ^2/NDF:13.7/22

Left: -8.142+/-46.675 χ^2/NDF: 67.9/47

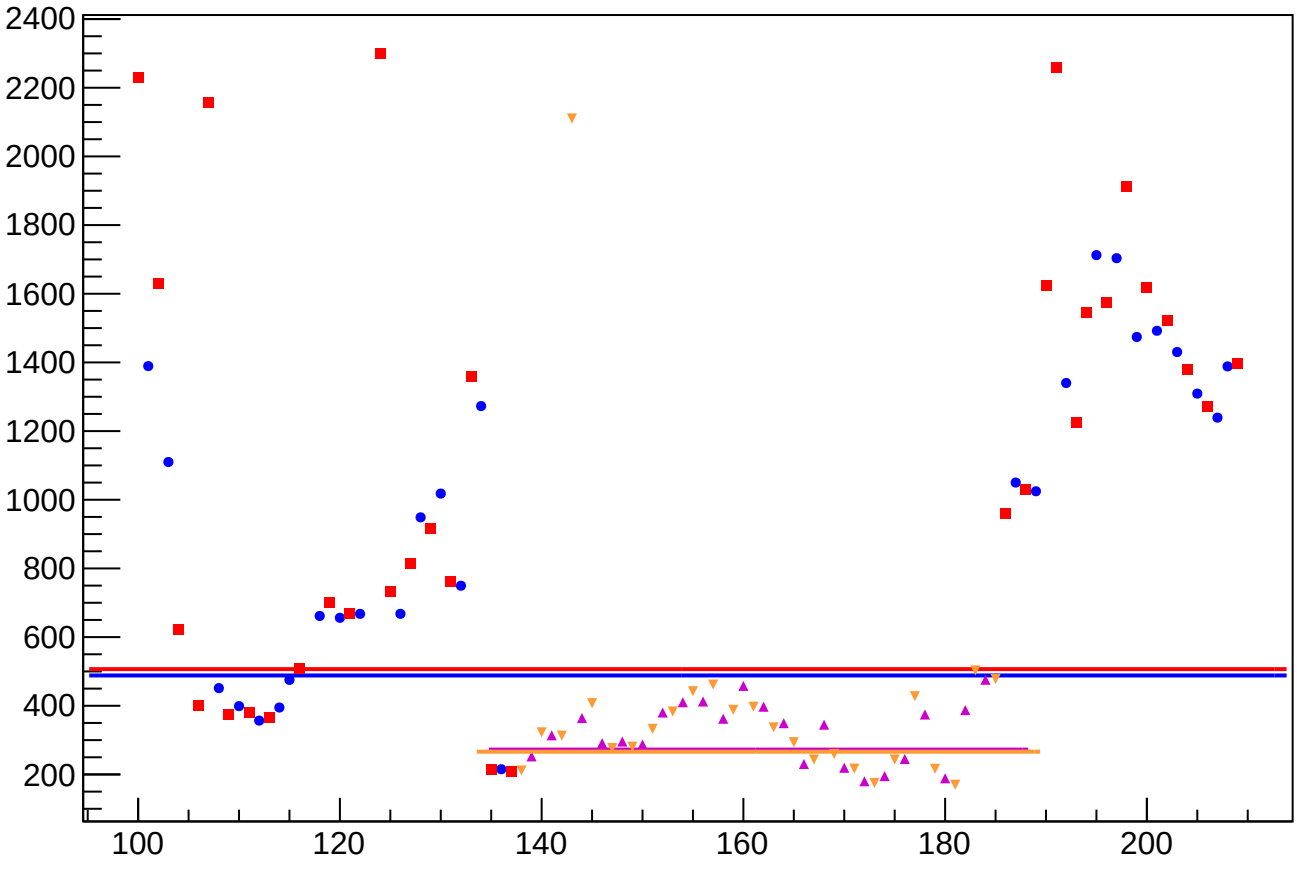
Right: -58.796+/-111.955 χ^2/NDF: 62.4/58

In: 31.127+/-61.709 χ^2/NDF:52.3/49

Out: -60.111+/-60.172 χ^2/NDF:77.0/56

All: -15.643+/-43.081 χ^2/NDF: 130.5/106

asym_atl1r2_dd_atl2r1_dd_avg_reg_correction_rms vs Slug, Sign Corrected



Right In: 488.290+/-0.112 χ^2/NDF: 12288650.2/26

Left Out: 266.321+/-0.046 χ^2/NDF:4630130.4/24

Right Out: 506.759+/-0.112 χ^2/NDF: 12967243.6/31

Left In: 272.368+/-0.047 χ^2/NDF:2887823.5/22

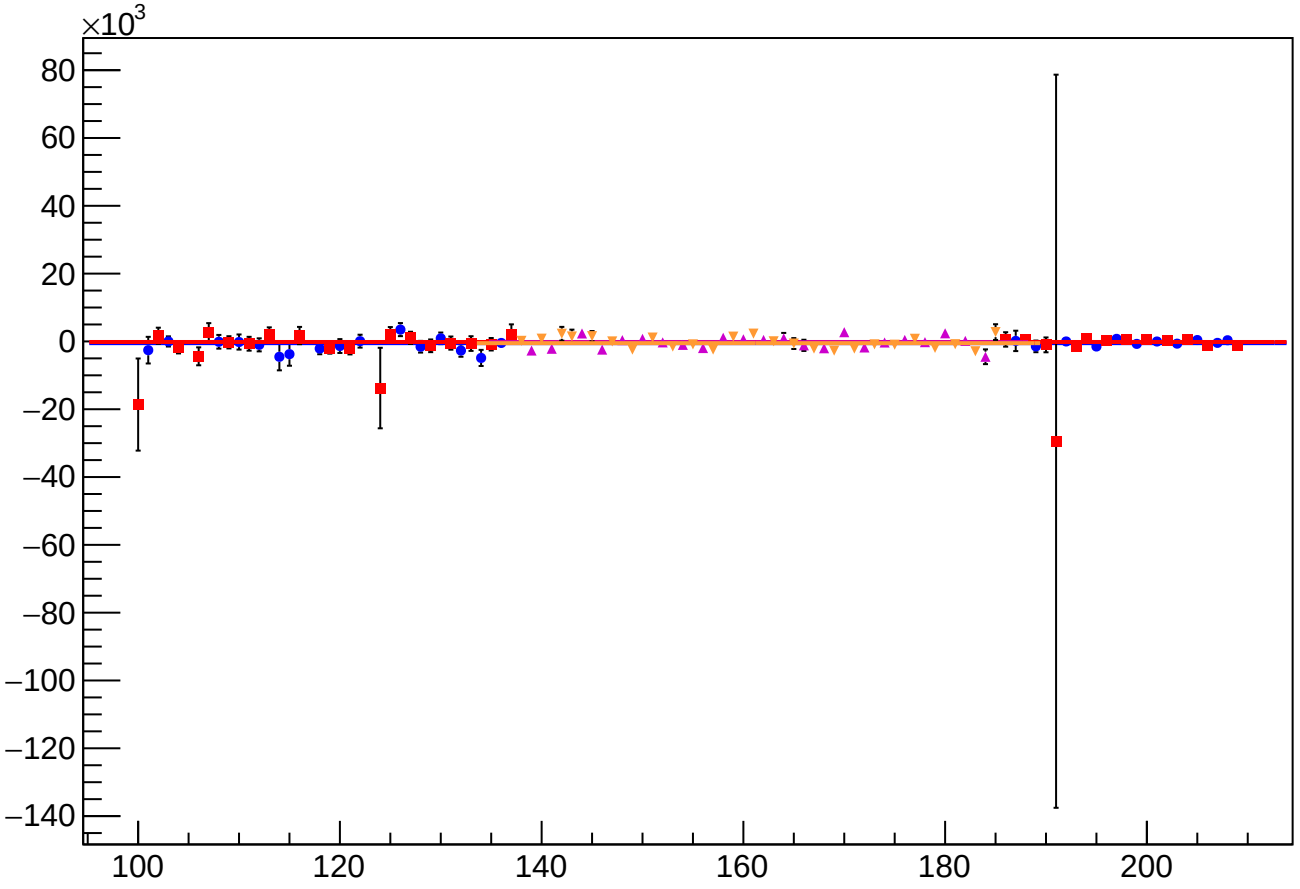
Left: 269.255+/-0.033 χ^2/NDF: 7526339.3/47

Right: 497.535+/-0.079 χ^2/NDF: 25269499.9/58

In: 305.130+/-0.044 χ^2/NDF:18328105.7/49

Out: 301.088+/-0.043 χ^2/NDF:21547341.1/56

All: 303.058+/-0.030 χ^2/NDF: 39879844.1/10



Right In: -507.337+/-322.368 χ^2/NDF: 16.6/26

Left Out: -514.430+/-285.945 χ^2/NDF:30.9/24

Right Out: -166.084+/-314.696 χ^2/NDF: 20.4/31

Left In: -242.663+/-291.166 χ^2/NDF:32.0/22

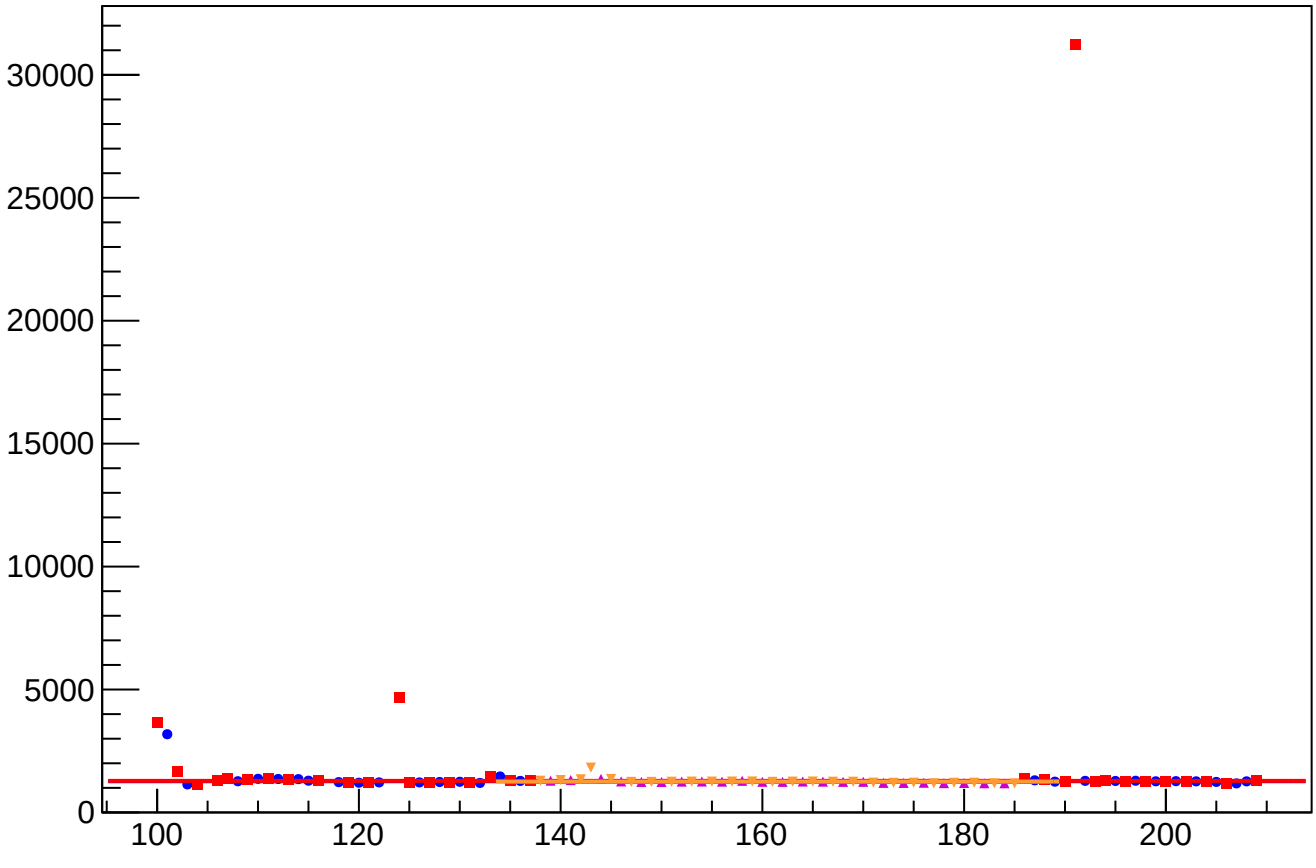
Left: -381.005+/-204.014 χ^2/NDF: 63.4/47

Right: -332.601+/-225.187 χ^2/NDF: 37.6/58

In: -361.574+/-216.077 χ^2/NDF:49.0/49

Out: -356.893+/-211.630 χ^2/NDF:52.0/56

All: -359.185+/-151.193 χ^2/NDF: 101.0/106



Right In: 1271.489+/-0.228 χ^2/NDF: 532301.3/26

Left Out: 1255.514+/-0.202 χ^2/NDF:203124.0/24

Right Out: 1284.707+/-0.223 χ^2/NDF: 507540.8/31

Left In: 1246.355+/-0.206 χ^2/NDF:39857.0/22

Left: 1251.017+/-0.144 χ^2/NDF: 243988.6/47

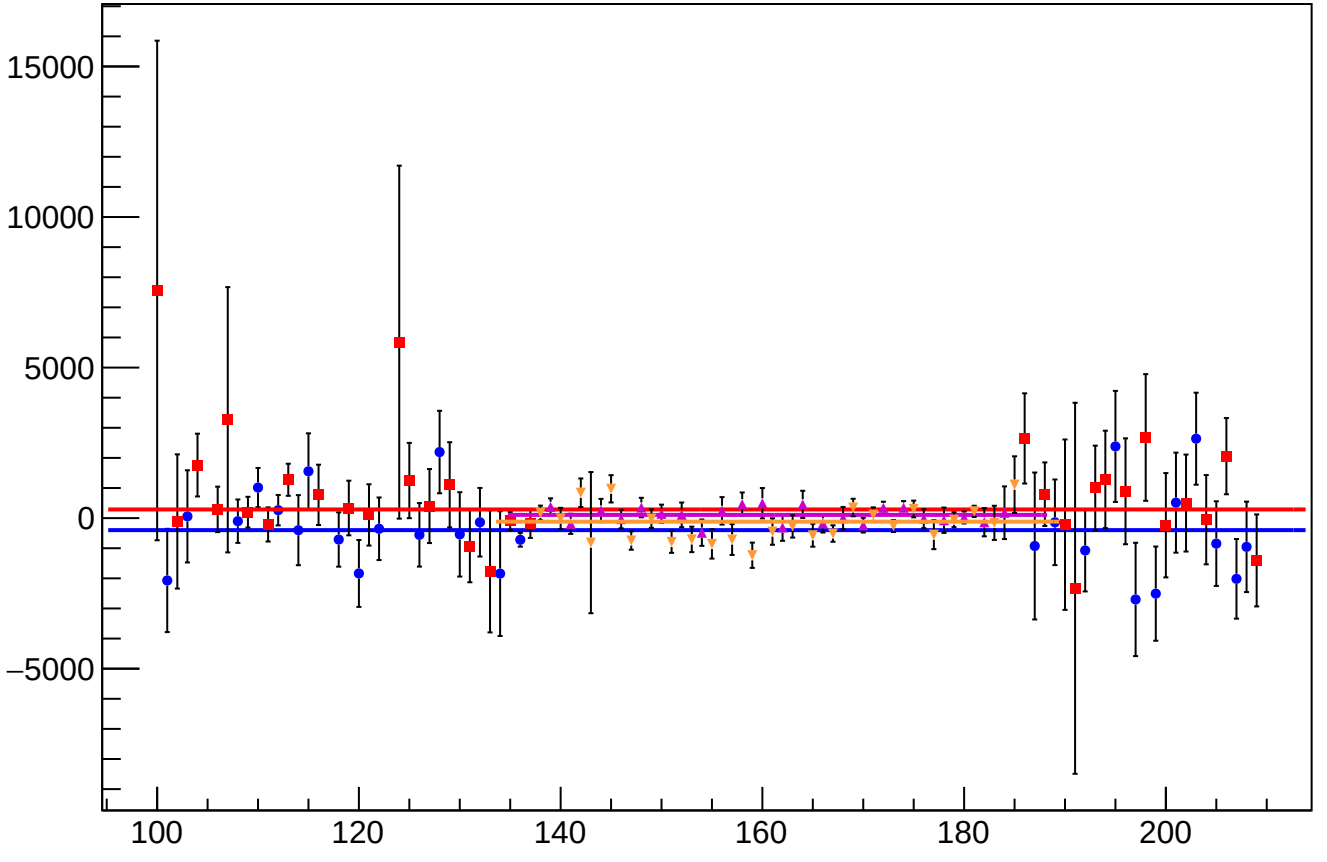
Right: 1278.257+/-0.159 χ^2/NDF: 1041564.0/58

In: 1257.647+/-0.153 χ^2/NDF:578853.9/49

Out: 1268.716+/-0.150 χ^2/NDF:720092.4/56

All: 1263.297+/-0.107 χ^2/NDF: 1301625.5/10

asym_atl1r2_dd_atl2r1_dd_avg_cor_correction_mean vs Slug, Sign Corrected



Right In: -398.922+/-158.437 χ^2/NDF: 29.9/26

Left Out: -117.002+/-65.060 χ^2/NDF:48.4/24

Right Out: 287.908+/-158.075 χ^2/NDF: 22.6/31

Left In: 107.459+/-67.003 χ^2/NDF:13.7/22

Left: -8.072+/-46.676 χ^2/NDF: 68.0/47

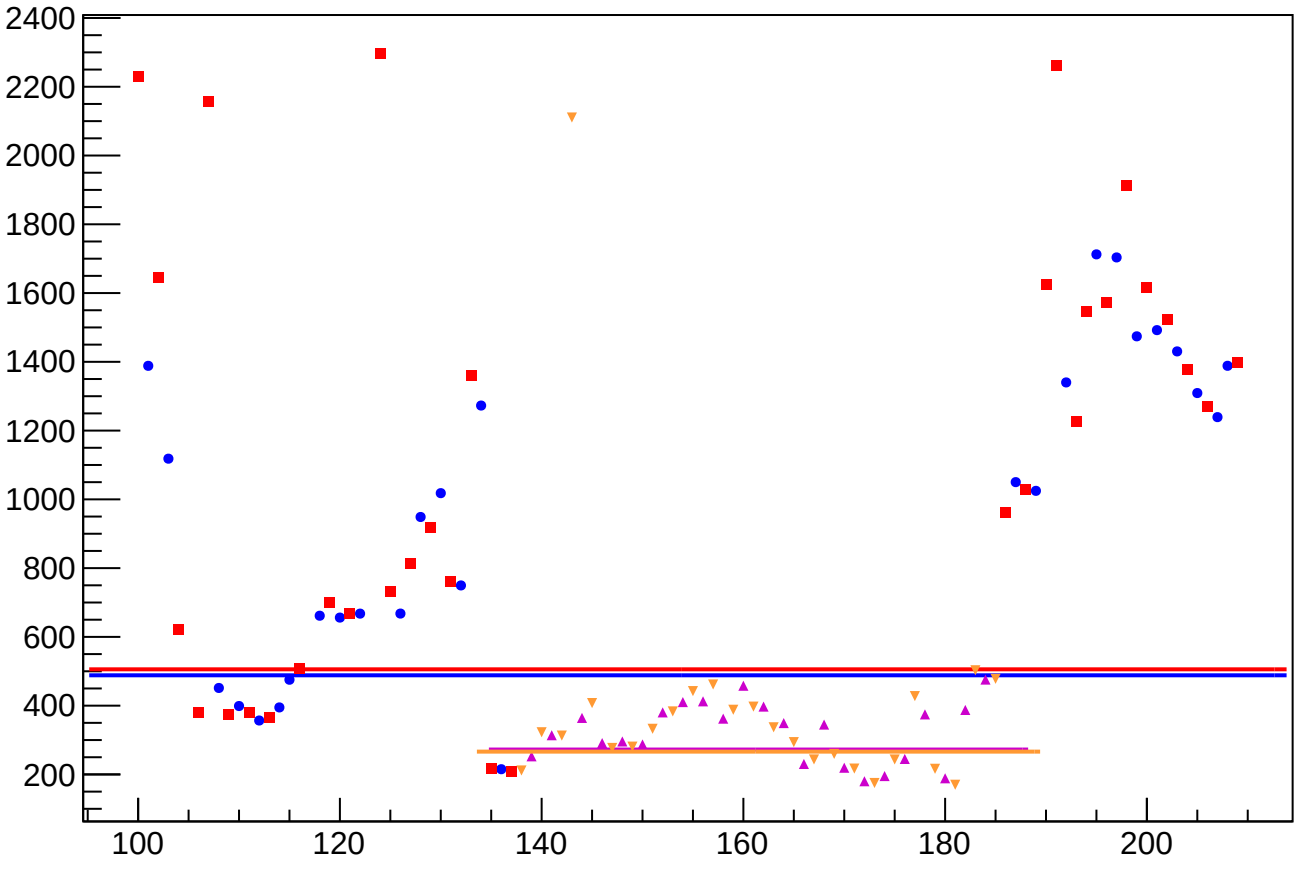
Right: -54.722+/-111.904 χ^2/NDF: 61.9/58

In: 30.636+/-61.711 χ^2/NDF:52.2/49

Out: -58.348+/-60.164 χ^2/NDF:76.7/56

All: -14.985+/-43.079 χ^2/NDF: 130.0/106

asym_atl1r2_dd_atl2r1_dd_avg_cor_correction_rms vs Slug, Sign Corrected



Right In: 488.306+/-0.112 χ^2/NDF: 12291734.8/26

Left Out: 266.326+/-0.046 χ^2/NDF:4630167.4/24

Right Out: 505.689+/-0.112 χ^2/NDF: 12991499.4/31

Left In: 272.378+/-0.047 χ^2/NDF:2887597.1/22

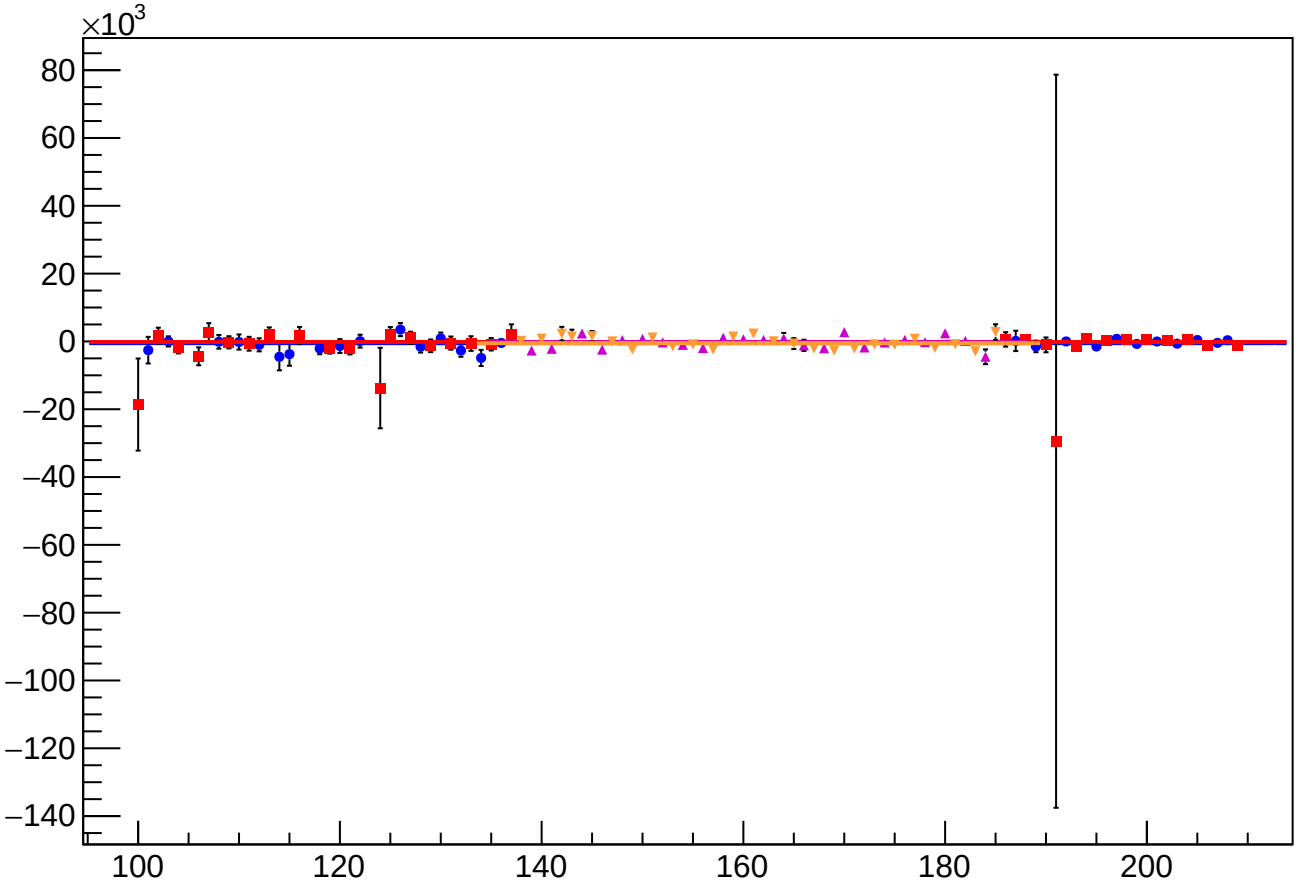
Left: 269.263+/-0.033 χ^2/NDF: 7526161.0/47

Right: 497.017+/-0.079 χ^2/NDF: 25295300.2/58

In: 305.136+/-0.044 χ^2/NDF:18330545.0/49

Out: 301.000+/-0.043 χ^2/NDF:21543188.8/56

All: 303.016+/-0.030 χ^2/NDF: 39878339.9/10



Right In: -507.337+/-322.368 χ^2/NDF: 16.6/26

Left Out: -514.430+/-285.945 χ^2/NDF:30.9/24

Right Out: -166.084+/-314.696 χ^2/NDF: 20.4/31

Left In: -242.663+/-291.166 χ^2/NDF:32.0/22

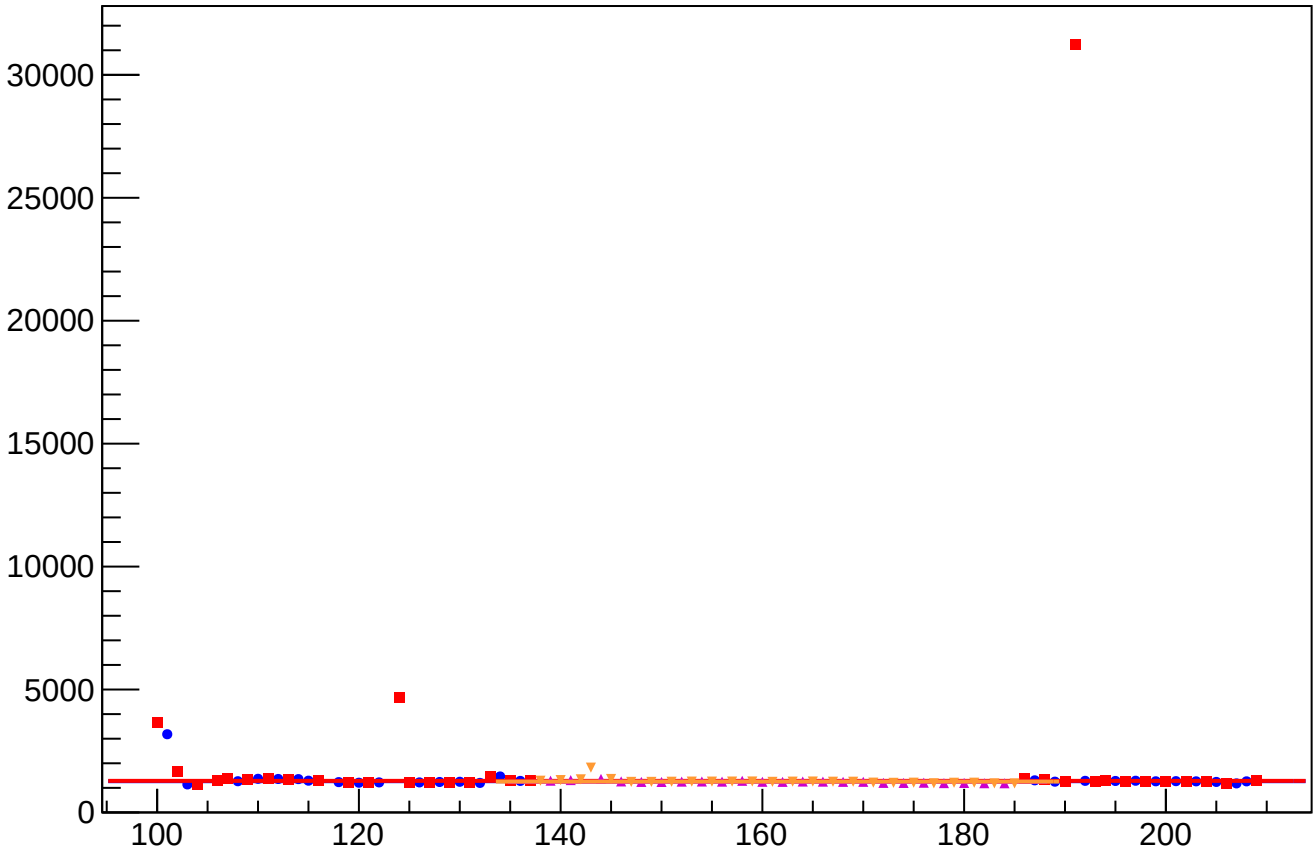
Left: -381.005+/-204.014 χ^2/NDF: 63.4/47

Right: -332.601+/-225.187 χ^2/NDF: 37.6/58

In: -361.574+/-216.077 χ^2/NDF:49.0/49

Out: -356.893+/-211.630 χ^2/NDF:52.0/56

All: -359.185+/-151.193 χ^2/NDF: 101.0/106



Right In: 1271.489+/-0.228 χ^2/NDF: 532301.3/26

Left Out: 1255.514+/-0.202 χ^2/NDF:203124.0/24

Right Out: 1284.707+/-0.223 χ^2/NDF: 507540.8/31

Left In: 1246.355+/-0.206 χ^2/NDF:39857.0/22

Left: 1251.017+/-0.144 χ^2/NDF: 243988.6/47

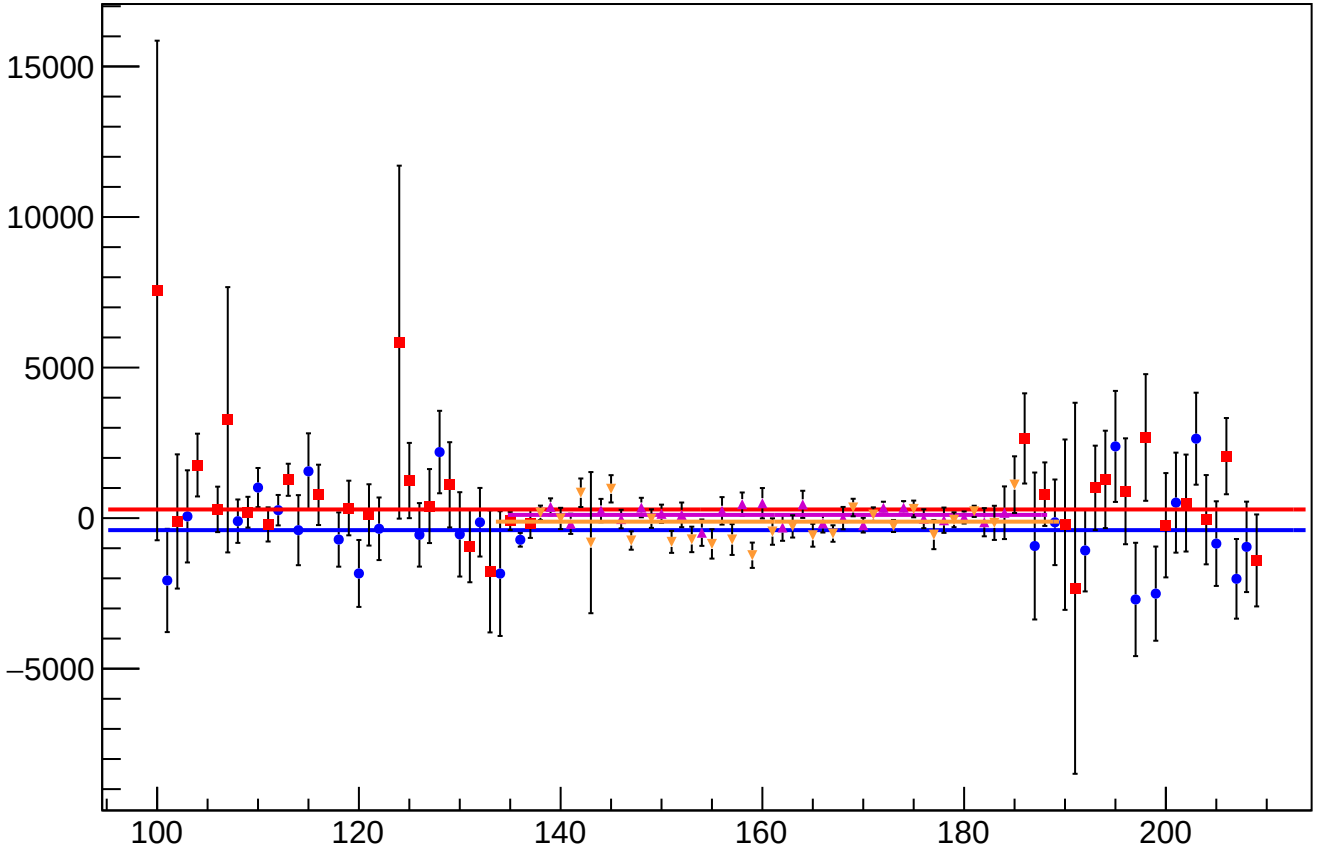
Right: 1278.257+/-0.159 χ^2/NDF: 1041564.0/58

In: 1257.647+/-0.153 χ^2/NDF:578853.9/49

Out: 1268.716+/-0.150 χ^2/NDF:720092.4/56

All: 1263.297+/-0.107 χ^2/NDF: 1301625.5/10

asym_atl1r2_dd_atl2r1_dd_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -398.922+/-158.437 χ^2/NDF: 29.9/26

Left Out: -117.002+/-65.060 χ^2/NDF:48.4/24

Right Out: 287.908+/-158.075 χ^2/NDF: 22.6/31

Left In: 107.459+/-67.003 χ^2/NDF:13.7/22

Left: -8.072+/-46.676 χ^2/NDF: 68.0/47

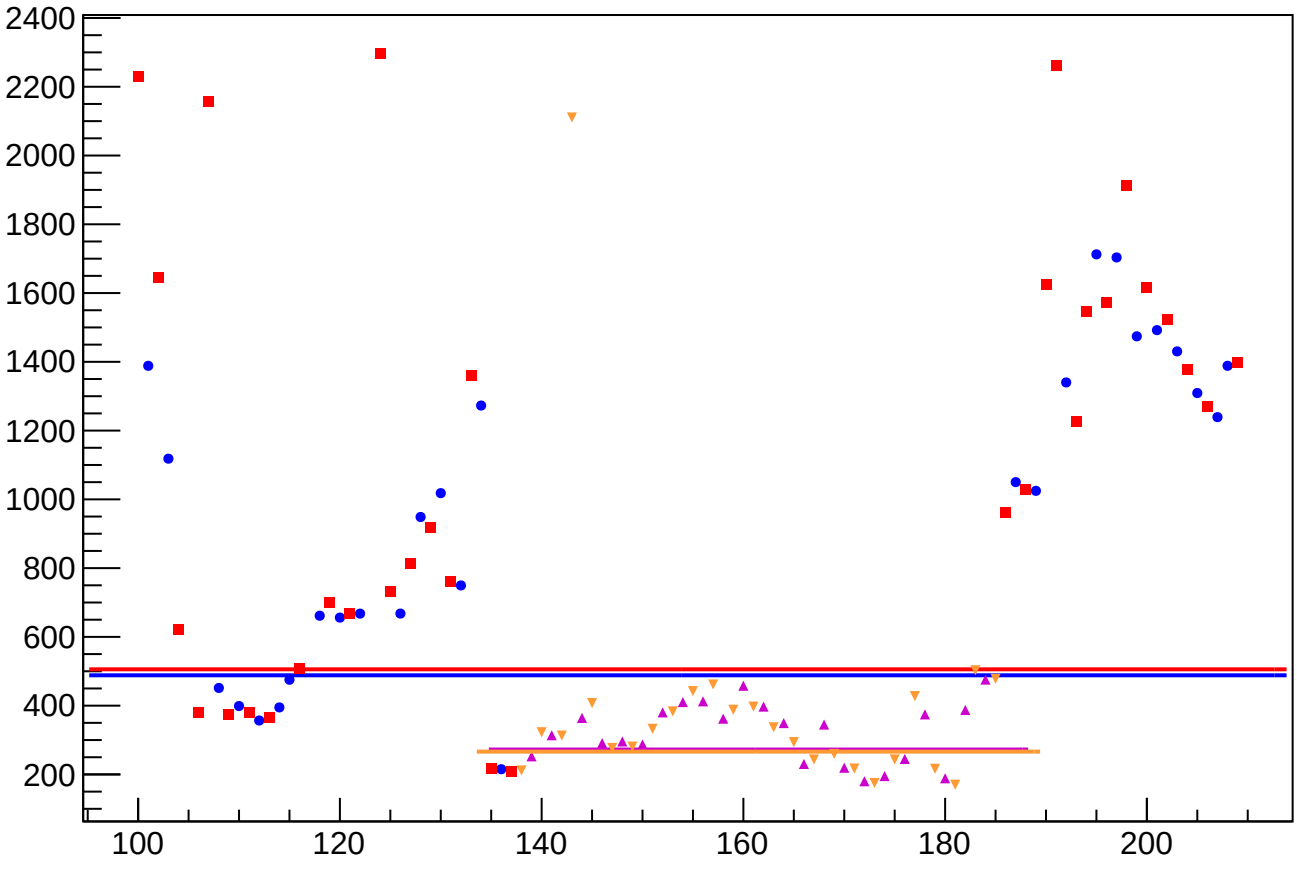
Right: -54.722+/-111.904 χ^2/NDF: 61.9/58

In: 30.636+/-61.711 χ^2/NDF:52.2/49

Out: -58.348+/-60.164 χ^2/NDF:76.7/56

All: -14.985+/-43.079 χ^2/NDF: 130.0/106

asym_atl1r2_dd_atl2r1_dd_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 488.306+/-0.112 χ^2/NDF: 12291734.8/26

Left Out: 266.326+/-0.046 χ^2/NDF:4630167.4/24

Right Out: 505.689+/-0.112 χ^2/NDF: 12991499.4/31

Left In: 272.378+/-0.047 χ^2/NDF:2887597.1/22

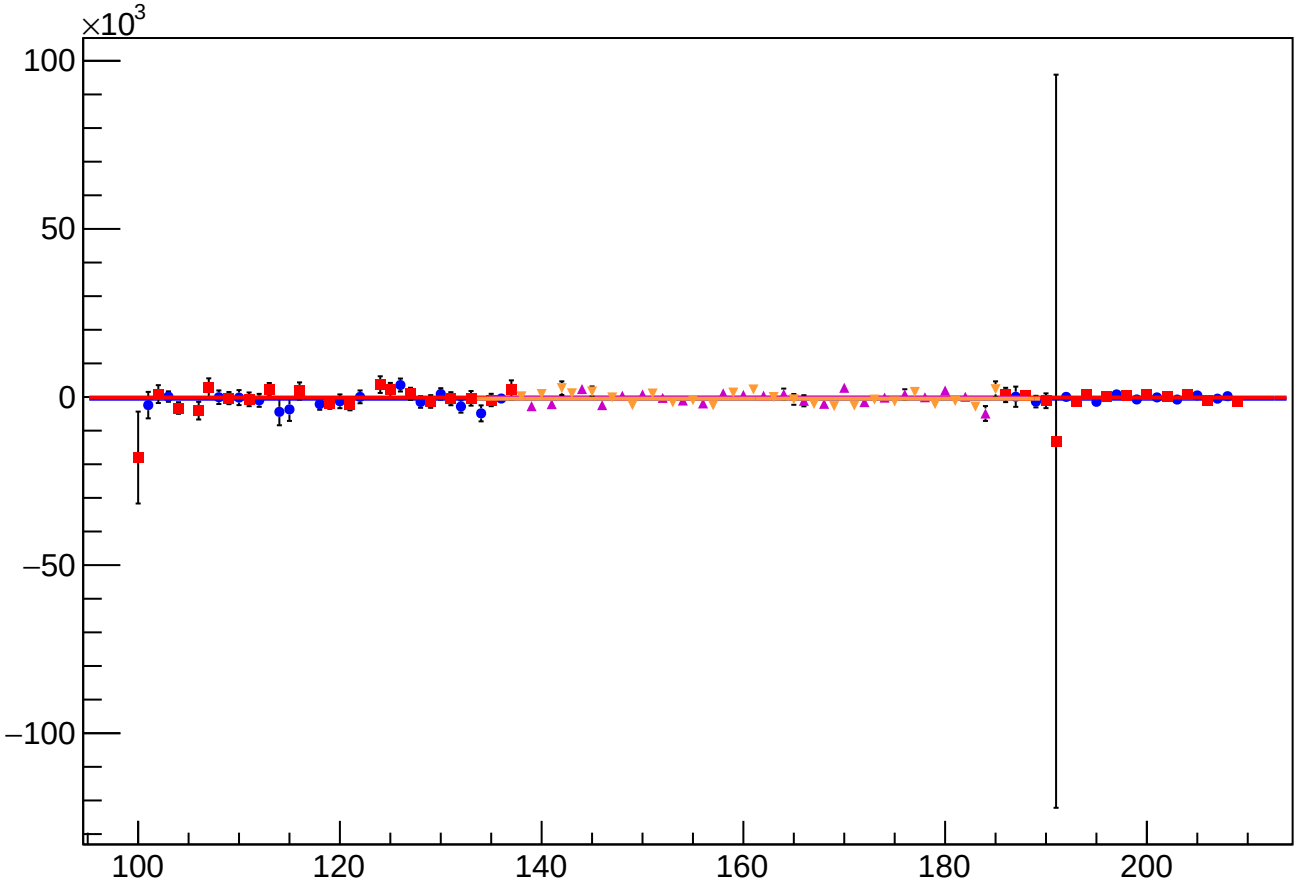
Left: 269.263+/-0.033 χ^2/NDF: 7526161.0/47

Right: 497.017+/-0.079 χ^2/NDF: 25295300.2/58

In: 305.136+/-0.044 χ^2/NDF:18330545.0/49

Out: 301.000+/-0.043 χ^2/NDF:21543188.8/56

All: 303.016+/-0.030 χ^2/NDF: 39878339.9/10



Right In: -501.118+/-323.350 χ^2/NDF: 16.6/26

Left Out: -493.436+/-282.734 χ^2/NDF:34.2/24

Right Out: -156.311+/-314.043 χ^2/NDF: 22.2/31

Left In: -242.004+/-294.339 χ^2/NDF:30.7/22

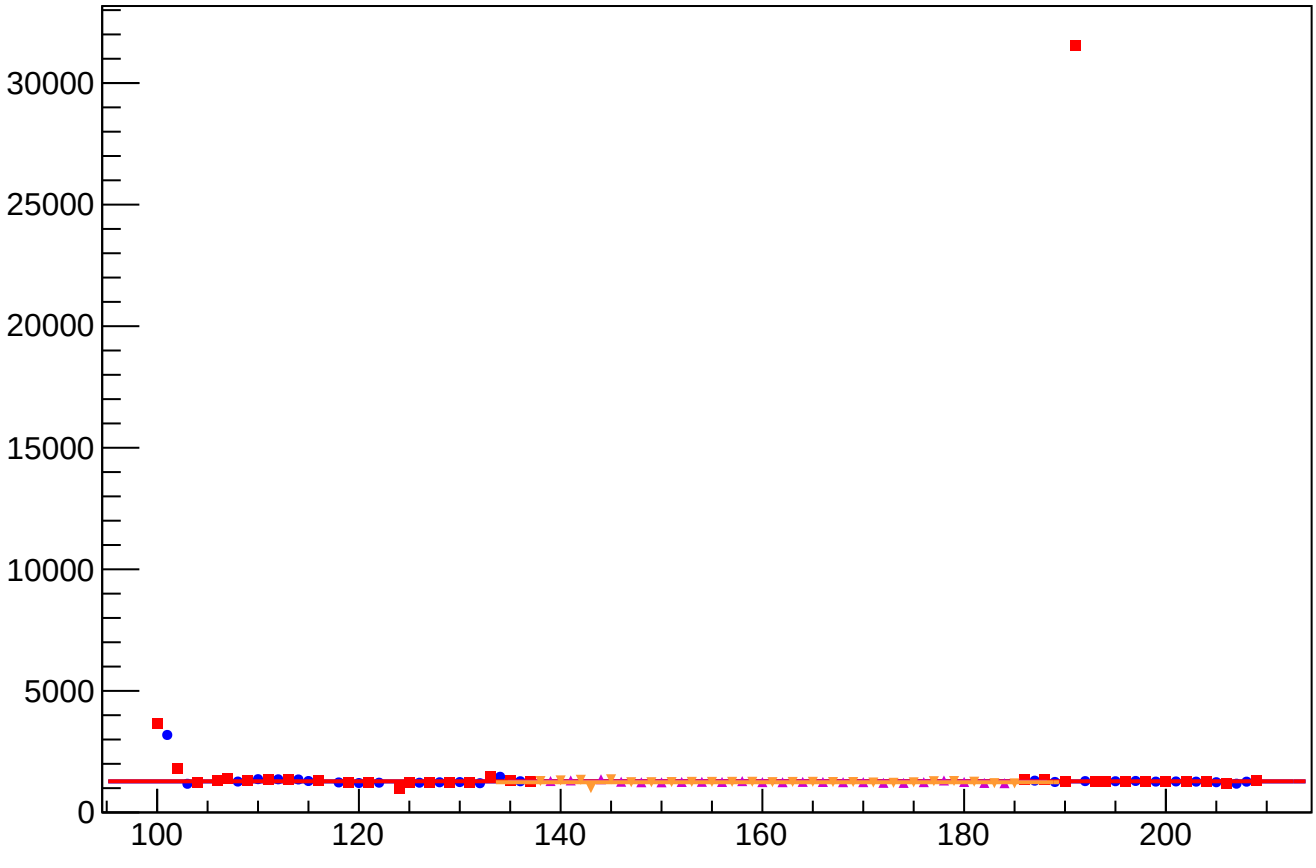
Left: -372.774+/-203.903 χ^2/NDF: 65.3/47

Right: -323.681+/-225.280 χ^2/NDF: 39.4/58

In: -359.418+/-217.664 χ^2/NDF:47.6/49

Out: -342.512+/-210.123 χ^2/NDF:57.0/56

All: -350.667+/-151.175 χ^2/NDF: 104.7/106



Right In: 1275.447+/-0.229 χ^2/NDF: 525053.6/26

Left Out: 1242.539+/-0.200 χ^2/NDF:130023.1/24

Right Out: 1282.113+/-0.222 χ^2/NDF: 387998.7/31

Left In: 1260.094+/-0.208 χ^2/NDF:27932.1/22

Left: 1250.964+/-0.144 χ^2/NDF: 161655.2/47

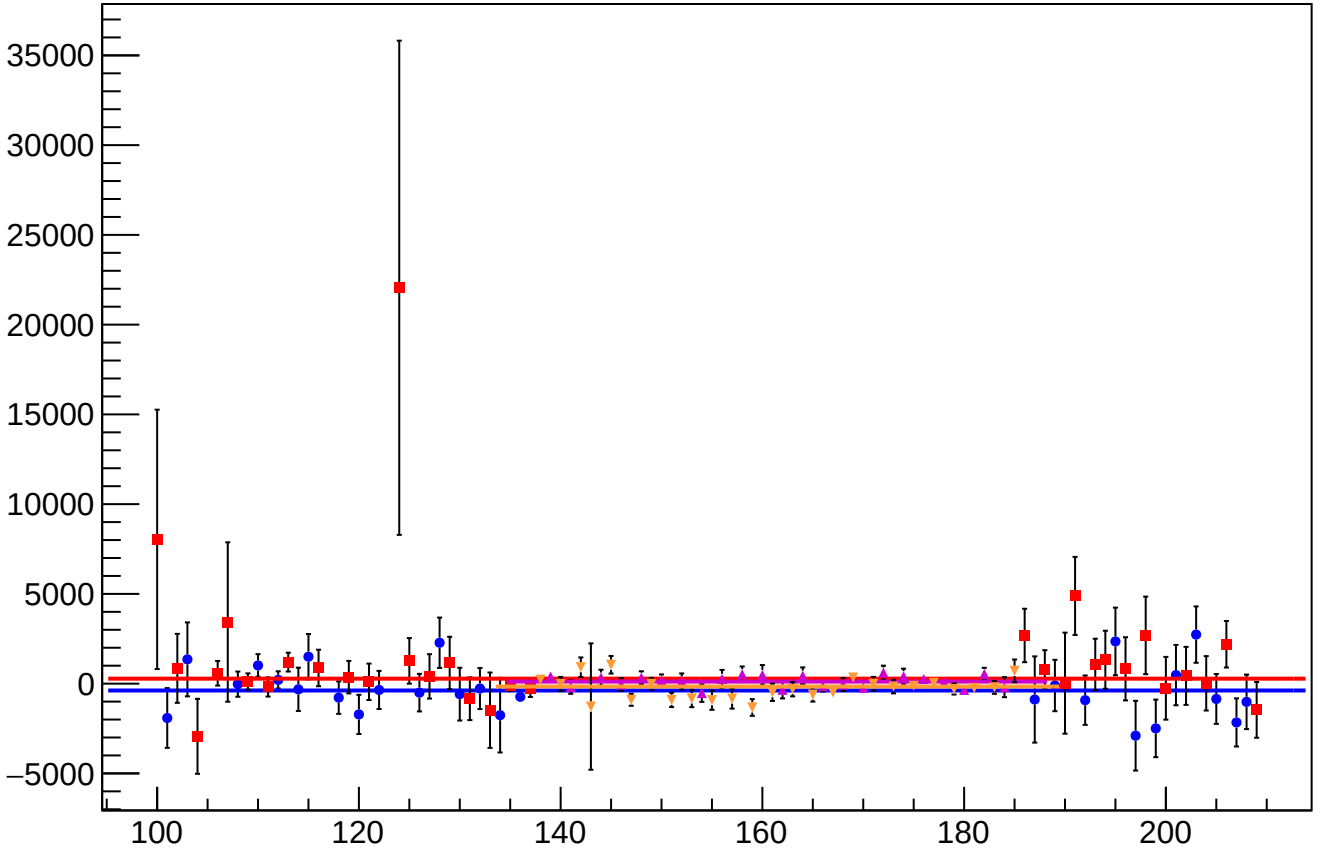
Right: 1278.877+/-0.159 χ^2/NDF: 913489.7/58

In: 1267.051+/-0.154 χ^2/NDF:555451.4/49

Out: 1260.256+/-0.149 χ^2/NDF:535562.8/56

All: 1263.533+/-0.107 χ^2/NDF: 1092023.1/10

asym_atl1r2_dd_atl2r1_dd_avg_dit_correction_mean vs Slug, Sign Corrected



Right In: -381.169+/-160.116 χ^2/NDF: 30.5/26

Left Out: -160.930+/-64.133 χ^2/NDF:43.8/24

Right Out: 277.839+/-158.165 χ^2/NDF: 29.3/31

Left In: 113.722+/-68.841 χ^2/NDF:18.2/22

Left: -33.316+/-46.925 χ^2/NDF: 70.5/47

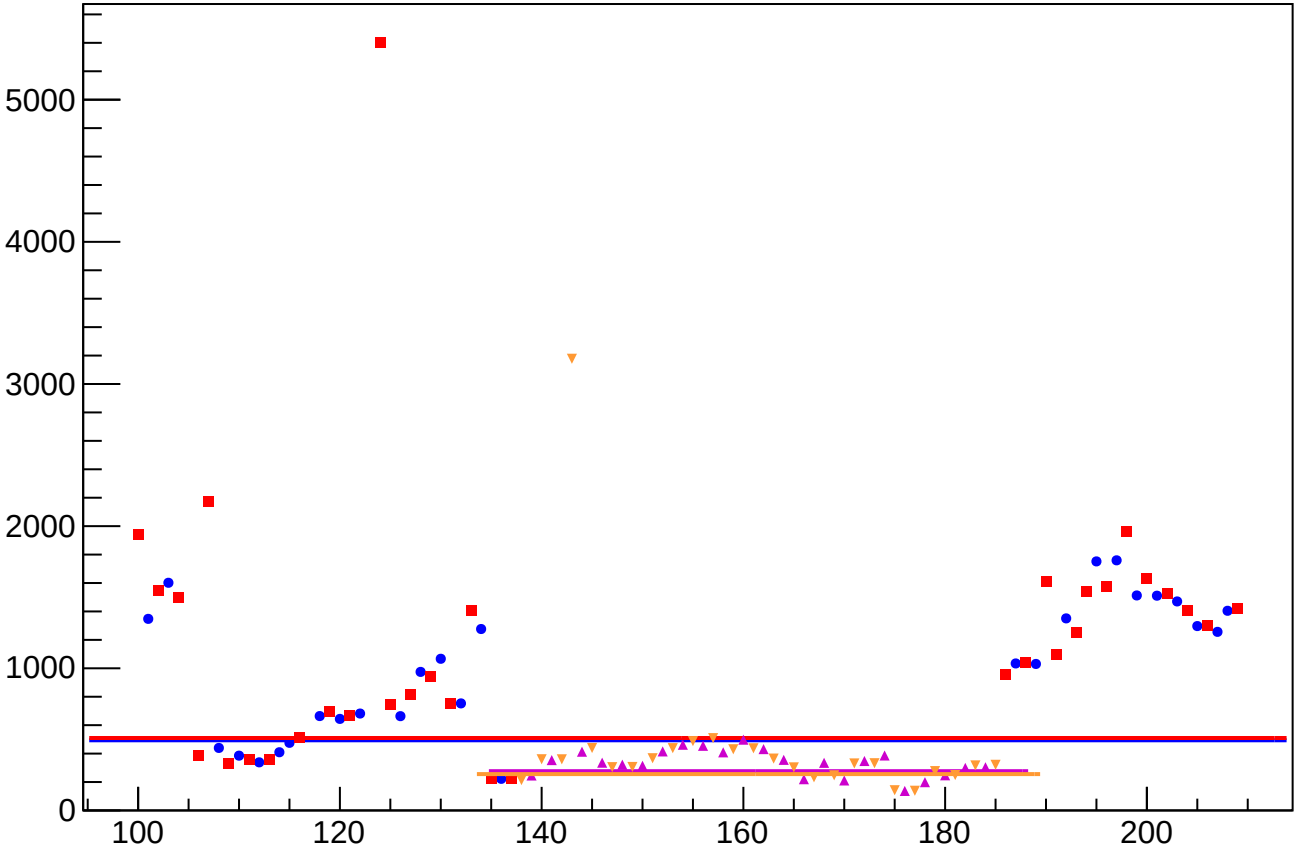
Right: -47.626+/-112.523 χ^2/NDF: 68.4/58

In: 36.513+/-63.243 χ^2/NDF:56.7/49

Out: -98.976+/-59.433 χ^2/NDF:79.7/56

All: -35.436+/-43.310 χ^2/NDF: 138.9/106

asym_atl1r2_dd_atl2r1_dd_avg_dit_correction_rms vs Slug, Sign Corrected



Right In: 493.620+/-0.113 χ^2/NDF: 12440299.7/26

Left Out: 255.768+/-0.045 χ^2/NDF:6373929.4/24

Right Out: 509.707+/-0.112 χ^2/NDF: 13527074.8/31

Left In: 276.298+/-0.049 χ^2/NDF:4027410.5/22

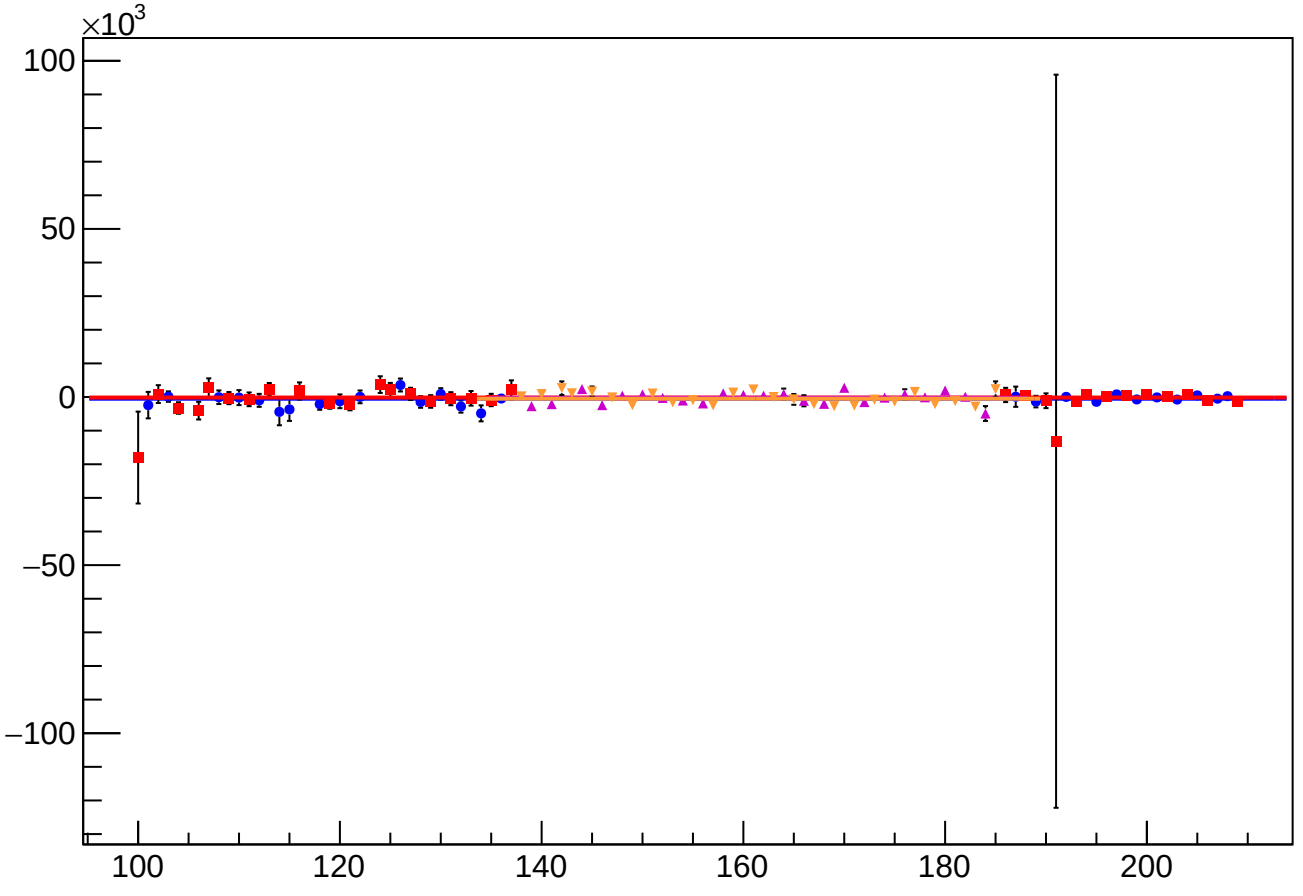
Left: 265.307+/-0.033 χ^2/NDF: 10496569.7/47

Right: 501.762+/-0.080 χ^2/NDF: 25977592.8/58

In: 310.203+/-0.045 χ^2/NDF:19577303.0/49

Out: 291.624+/-0.042 χ^2/NDF:24328503.4/56

All: 300.337+/-0.031 χ^2/NDF: 43997465.9/10



Right In: -501.118+/-323.350 χ^2/NDF: 16.6/26

Left Out: -493.435+/-282.734 χ^2/NDF:34.2/24

Right Out: -156.311+/-314.043 χ^2/NDF: 22.2/31

Left In: -242.004+/-294.339 χ^2/NDF:30.7/22

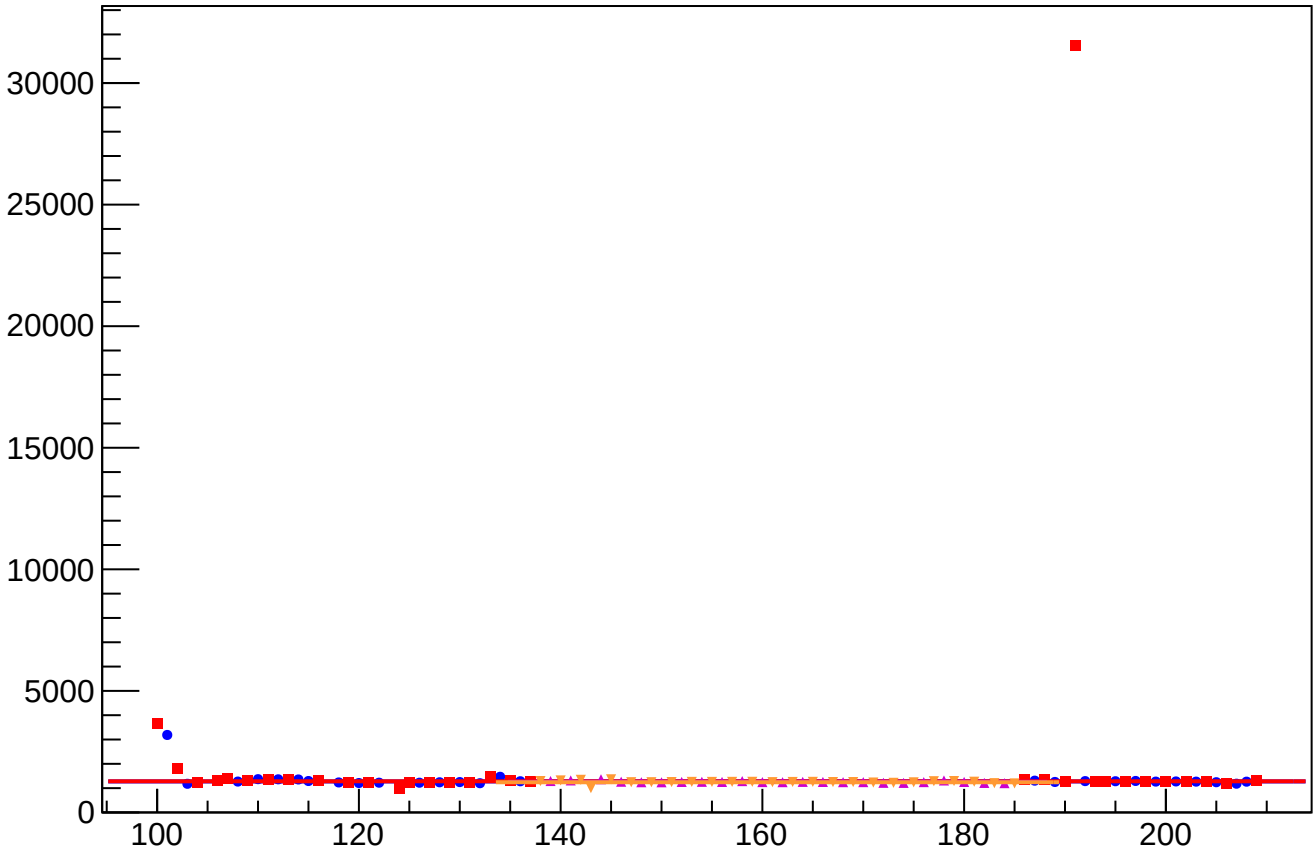
Left: -372.774+/-203.903 χ^2/NDF: 65.3/47

Right: -323.681+/-225.280 χ^2/NDF: 39.4/58

In: -359.418+/-217.664 χ^2/NDF:47.6/49

Out: -342.511+/-210.123 χ^2/NDF:57.0/56

All: -350.667+/-151.175 χ^2/NDF: 104.7/106



Right In: 1275.447+/-0.229 χ^2/NDF: 525053.6/26

Left Out: 1242.539+/-0.200 χ^2/NDF:130022.2/24

Right Out: 1282.113+/-0.222 χ^2/NDF: 387999.0/31

Left In: 1260.094+/-0.208 χ^2/NDF:27932.2/22

Left: 1250.964+/-0.144 χ^2/NDF: 161654.3/47

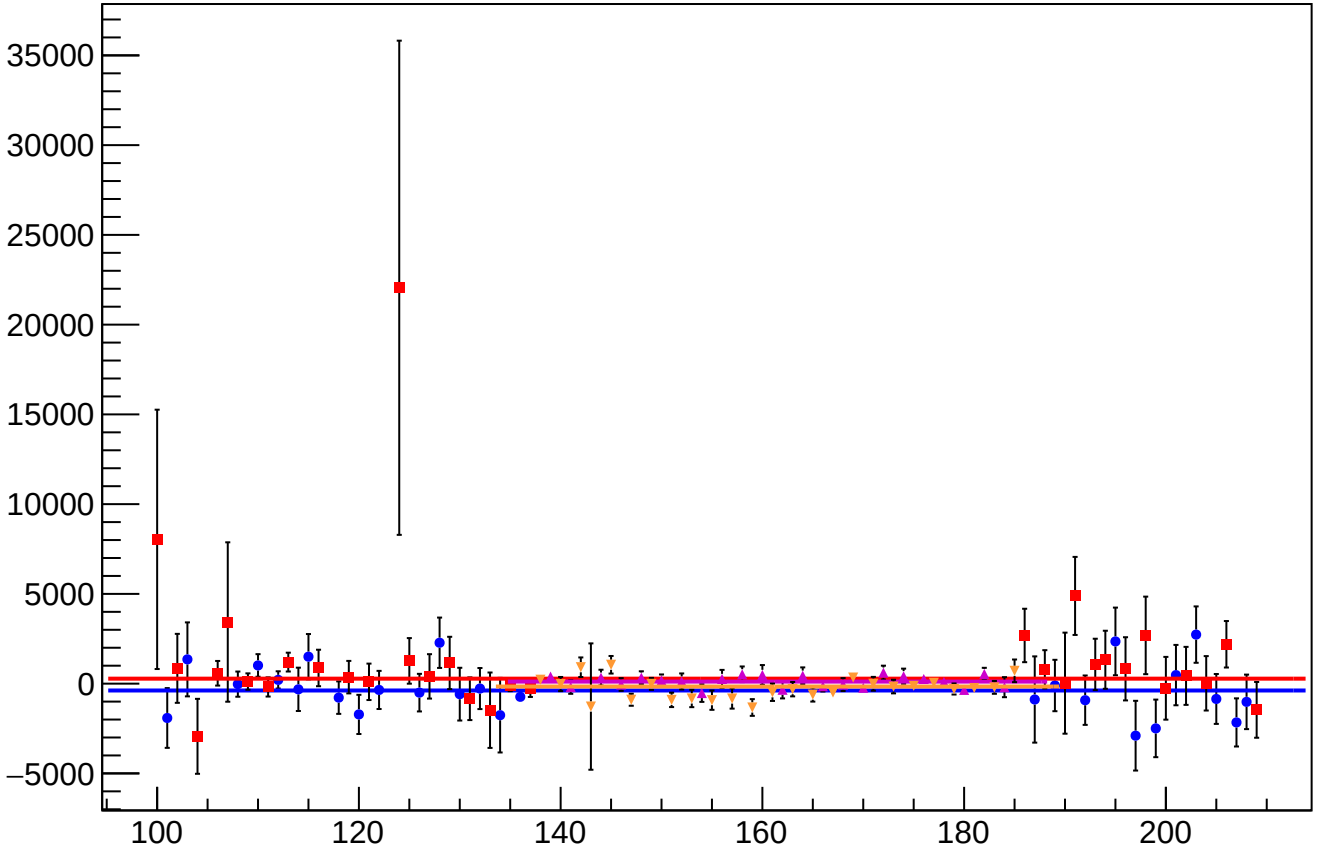
Right: 1278.877+/-0.159 χ^2/NDF: 913490.0/58

In: 1267.051+/-0.154 χ^2/NDF:555451.5/49

Out: 1260.256+/-0.149 χ^2/NDF:535562.2/56

All: 1263.533+/-0.107 χ^2/NDF: 1092022.6/10

asym_atl1r2_dd_atl2r1_dd_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -381.170+/-160.118 χ^2/NDF: 30.5/26

Left Out: -160.933+/-64.133 χ^2/NDF:43.8/24

Right Out: 277.848+/-158.167 χ^2/NDF: 29.3/31

Left In: 113.720+/-68.841 χ^2/NDF:18.2/22

Left: -33.318+/-46.925 χ^2/NDF: 70.5/47

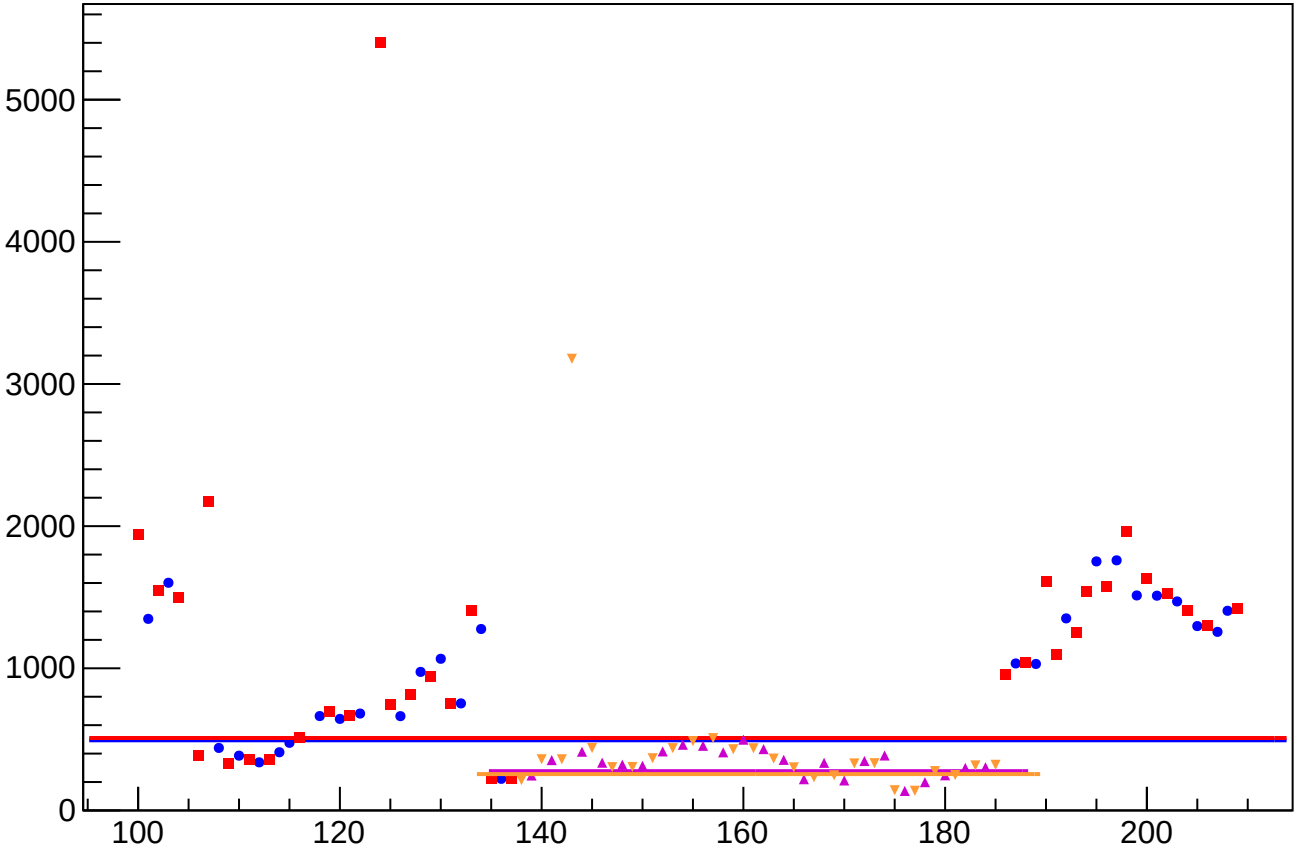
Right: -47.622+/-112.524 χ^2/NDF: 68.4/58

In: 36.513+/-63.243 χ^2/NDF:56.7/49

Out: -98.979+/-59.433 χ^2/NDF:79.7/56

All: -35.437+/-43.310 χ^2/NDF: 138.9/106

asym_atl1r2_dd_atl2r1_dd_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 493.632+/-0.113 χ^2/NDF: 12439931.8/26

Left Out: 255.770+/-0.045 χ^2/NDF:6373829.7/24

Right Out: 509.716+/-0.112 χ^2/NDF: 13526778.5/31

Left In: 276.299+/-0.049 χ^2/NDF:4027371.0/22

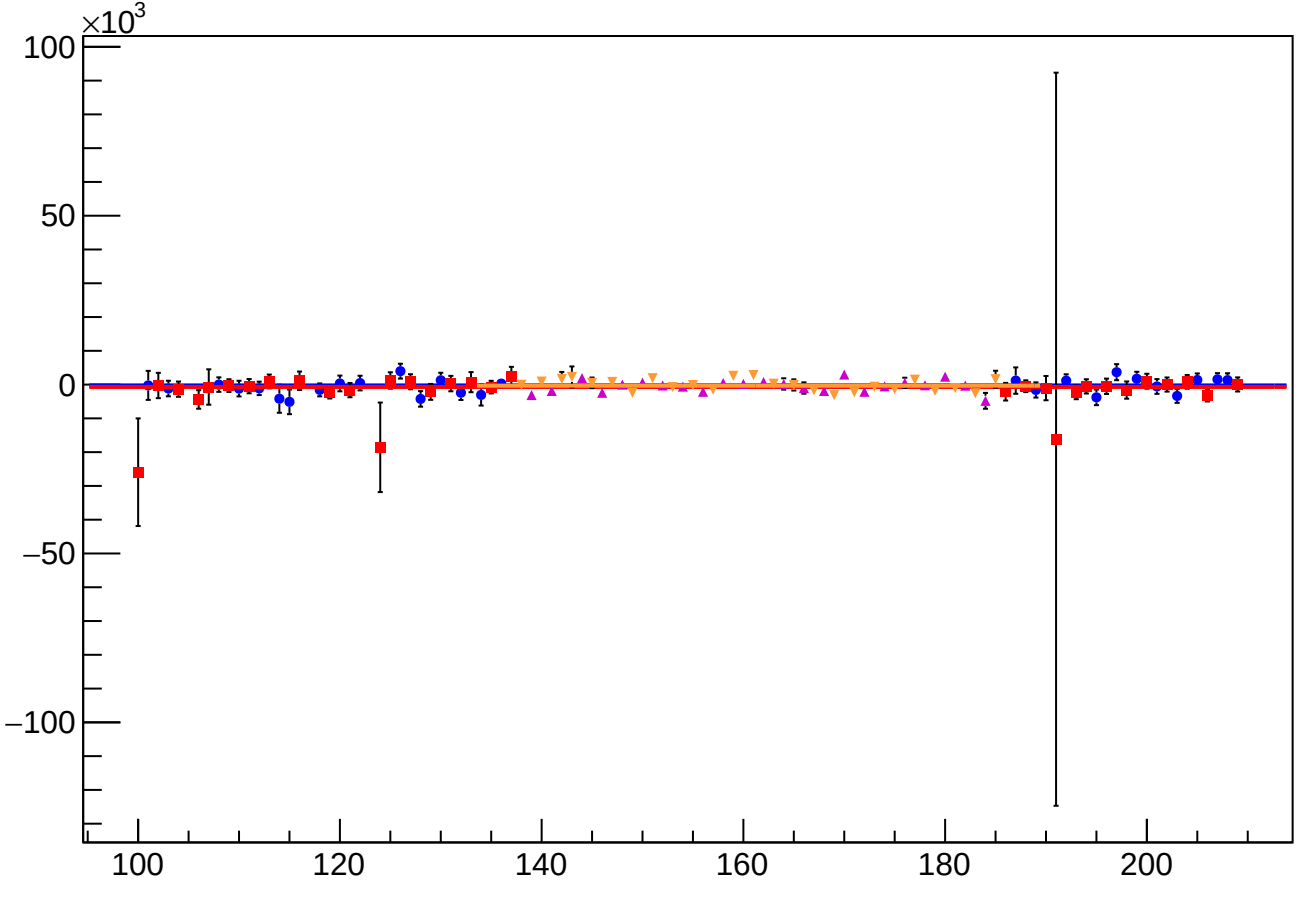
Left: 265.308+/-0.033 χ^2/NDF: 10496422.7/47

Right: 501.773+/-0.080 χ^2/NDF: 25976925.0/58

In: 310.205+/-0.045 χ^2/NDF:19577152.9/49

Out: 291.626+/-0.042 χ^2/NDF:24328307.0/56

All: 300.339+/-0.031 χ^2/NDF: 43997114.1/10



Right In: -242.290+/-424.968 χ^2/NDF: 24.6/26

Left Out: -319.744+/-298.271 χ^2/NDF:31.6/24

Right Out: -700.413+/-417.982 χ^2/NDF: 16.1/31

Left In: -356.387+/-301.902 χ^2/NDF:29.7/22

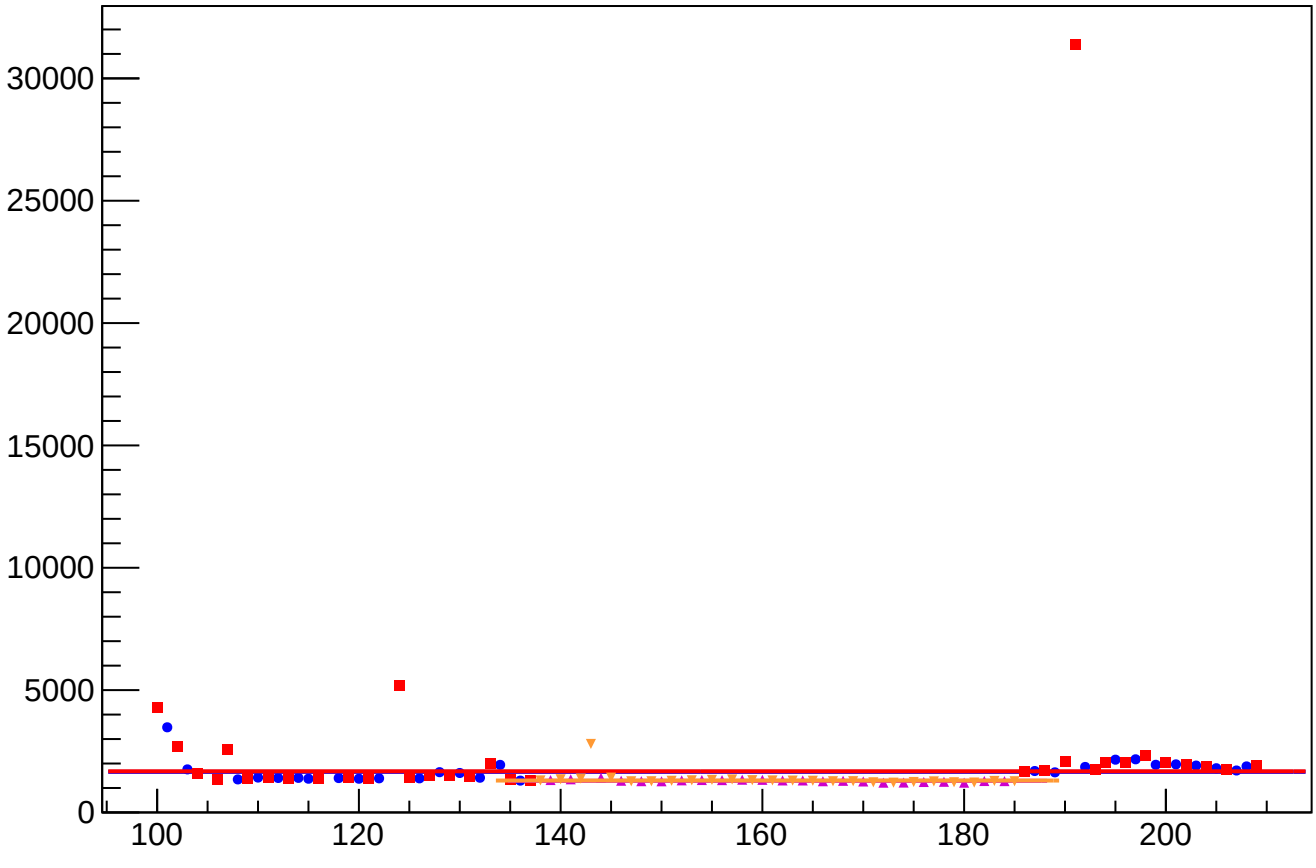
Left: -337.843+/-212.182 χ^2/NDF: 61.2/47

Right: -475.148+/-297.997 χ^2/NDF: 41.3/58

In: -318.118+/-246.118 χ^2/NDF:54.3/49

Out: -448.184+/-242.792 χ^2/NDF:48.2/56

All: -384.036+/-172.844 χ^2/NDF: 102.6/106



Right In: 1658.400+/-0.300 χ^2/NDF: 1129924.5/26

Left Out: 1304.156+/-0.211 χ^2/NDF:519609.1/24

Right Out: 1682.167+/-0.296 χ^2/NDF: 1399409.4/31

Left In: 1292.123+/-0.213 χ^2/NDF:48343.1/22

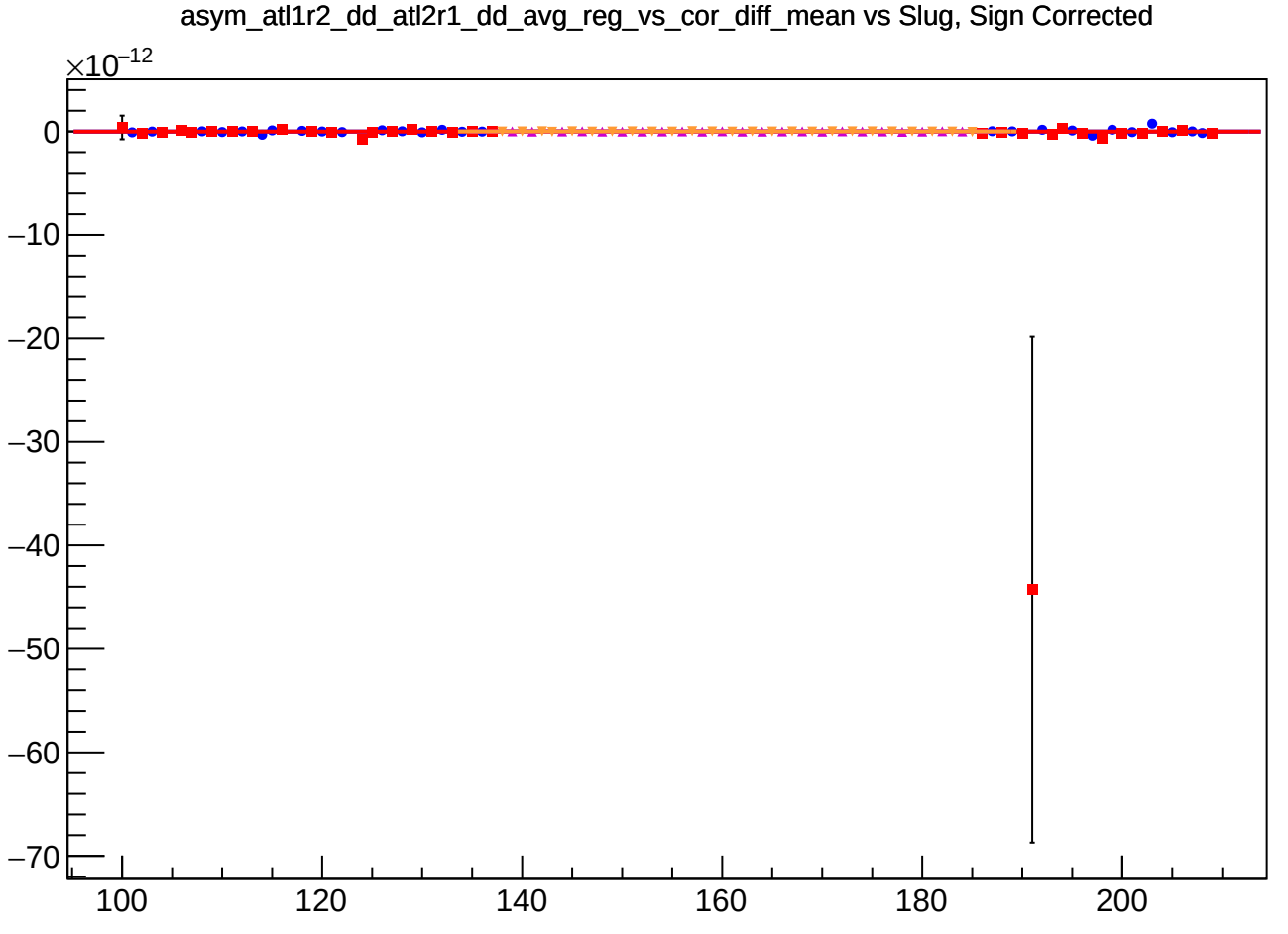
Left: 1298.212+/-0.150 χ^2/NDF: 569560.1/47

Right: 1670.481+/-0.211 χ^2/NDF: 2532513.6/58

In: 1414.976+/-0.174 χ^2/NDF:2165665.7/49

Out: 1431.700+/-0.172 χ^2/NDF:3002878.1/56

All: 1423.452+/-0.122 χ^2/NDF: 5173224.0/10



Right In: -0.000+/-0.000 χ^2/NDF: 29.2/26

Left Out: 0.000+/-0.000 χ^2/NDF:24.3/24

Right Out: -0.000+/-0.000 χ^2/NDF: 38.3/31

Left In: -0.000+/-0.000 χ^2/NDF:29.6/22

Left: -0.000+/-0.000 χ^2/NDF: 54.2/47

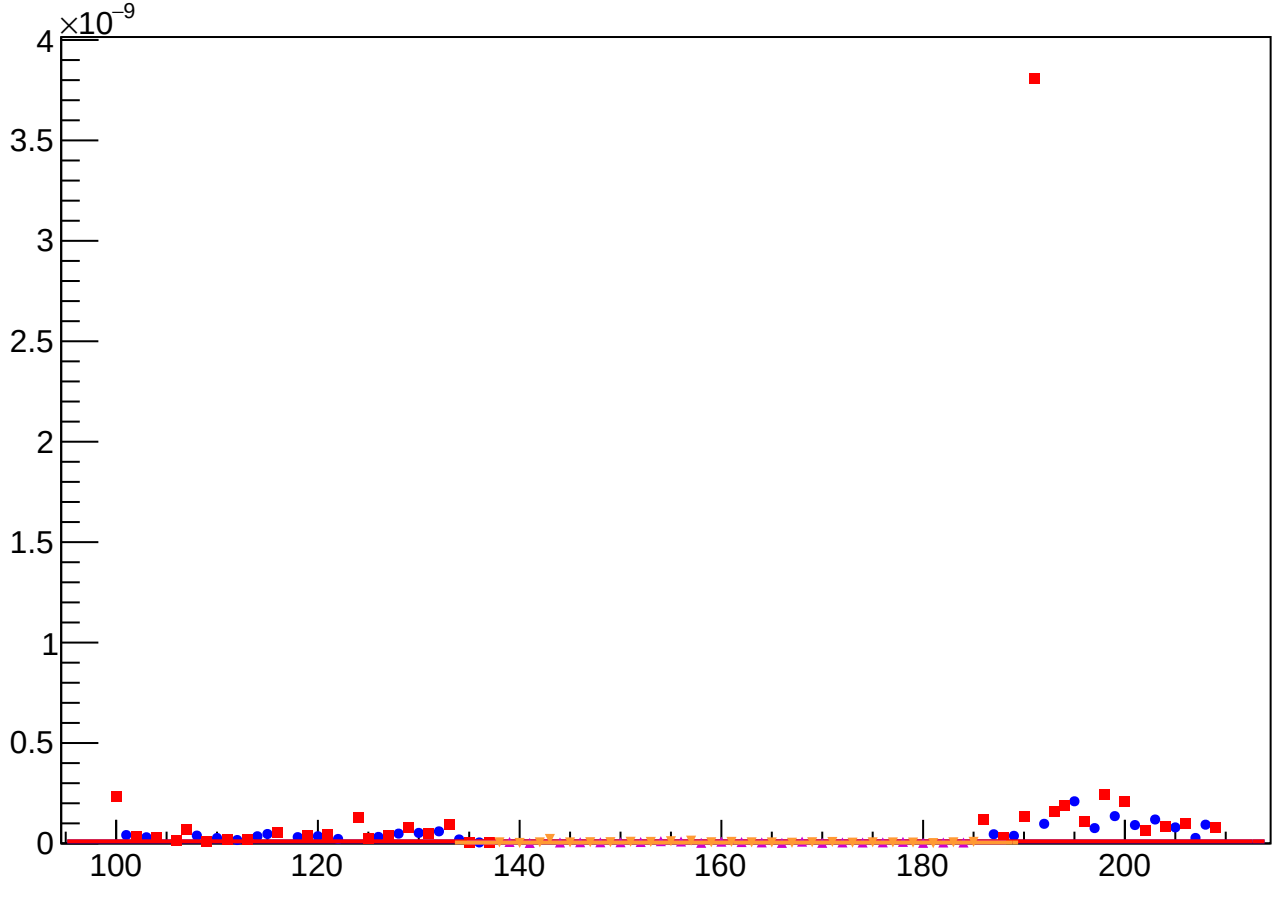
Right: -0.000+/-0.000 χ^2/NDF: 67.6/58

In: -0.000+/-0.000 χ^2/NDF:60.9/49

Out: -0.000+/-0.000 χ^2/NDF:65.7/56

All: -0.000+/-0.000 χ^2/NDF: 126.9/106

asym_atl1r2_dd_atl2r1_dd_avg_reg_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 7460981.9/26

Left Out: 0.000+/-0.000 χ^2/NDF:2715297.7/24

Right Out: 0.000+/-0.000 χ^2/NDF: 9911990.3/31

Left In: 0.000+/-0.000 χ^2/NDF:1884808.0/22

Left: 0.000+/-0.000 χ^2/NDF: 4620695.3/47

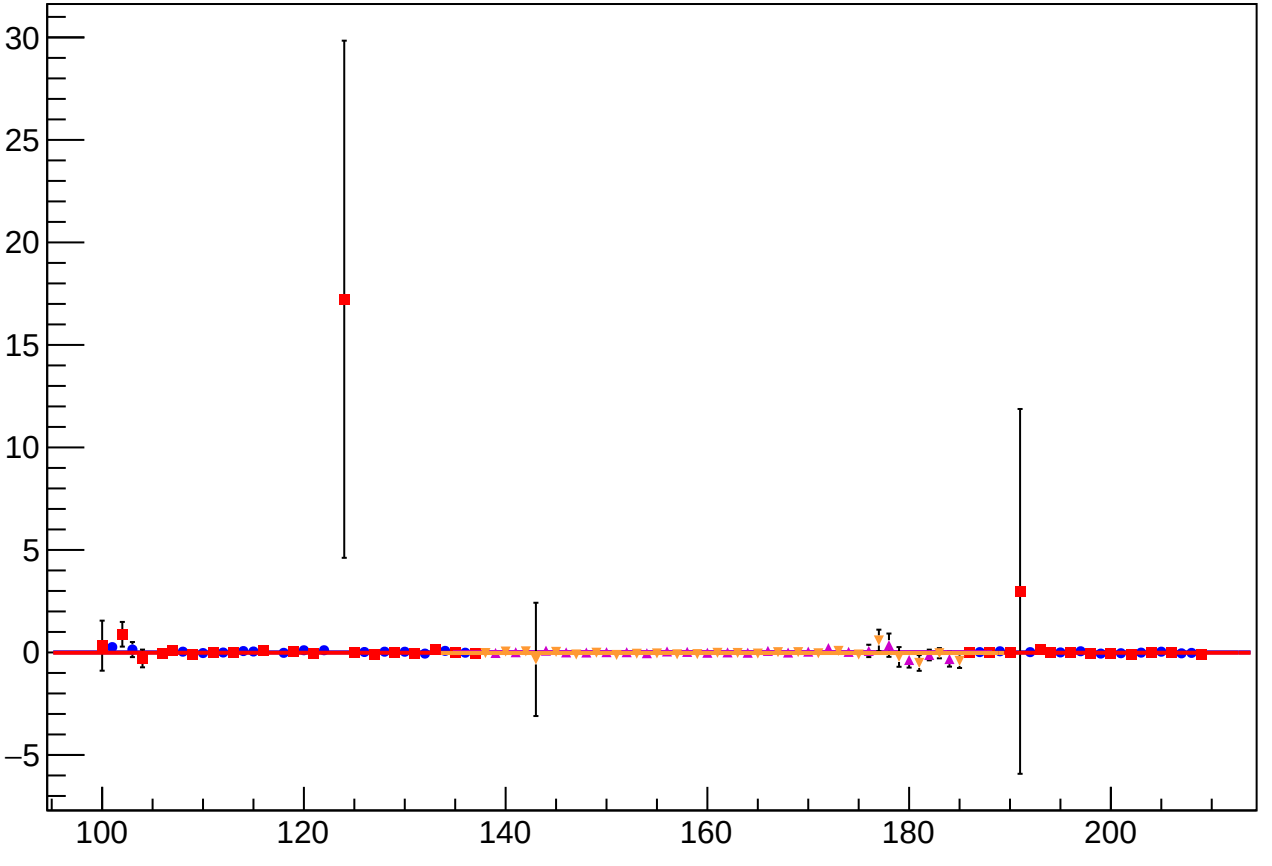
Right: 0.000+/-0.000 χ^2/NDF: 17382185.9/58

In: 0.000+/-0.000 χ^2/NDF:10253278.6/49

Out: 0.000+/-0.000 χ^2/NDF:13767660.4/56

All: 0.000+/-0.000 χ^2/NDF: 24048175.4/106

asym_atl1r2_dd_atl2r1_dd_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.006+/-0.012 χ^2/NDF: 16.2/26

Left Out: -0.028+/-0.010 χ^2/NDF:28.1/24

Right Out: -0.014+/-0.012 χ^2/NDF: 26.7/31

Left In: 0.011+/-0.009 χ^2/NDF:13.2/22

Left: -0.008+/-0.007 χ^2/NDF: 49.6/47

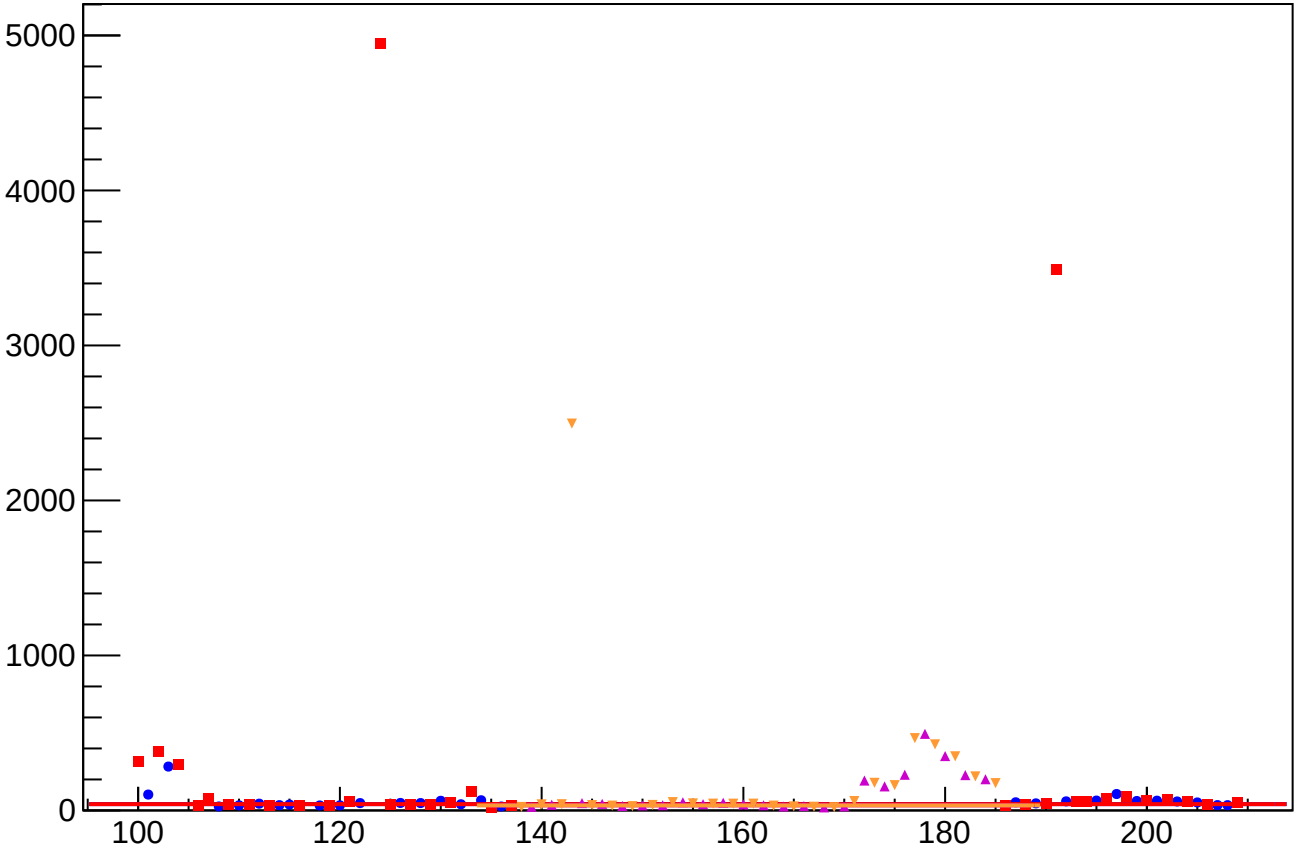
Right: -0.005+/-0.008 χ^2/NDF: 44.3/58

In: 0.009+/-0.007 χ^2/NDF:29.5/49

Out: -0.022+/-0.007 χ^2/NDF:55.7/56

All: -0.007+/-0.005 χ^2/NDF: 94.1/106

asym_atl1r2_dd_atl2r1_dd_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 41.030+/-0.008 χ^2/NDF: 4131783.1/26

Left Out: 32.551+/-0.007 χ^2/NDF:10871758.1/24

Right Out: 40.731+/-0.008 χ^2/NDF: 5458676.5/31

Left In: 32.738+/-0.007 χ^2/NDF:8963240.8/22

Left: 32.645+/-0.005 χ^2/NDF: 19835386.0/47

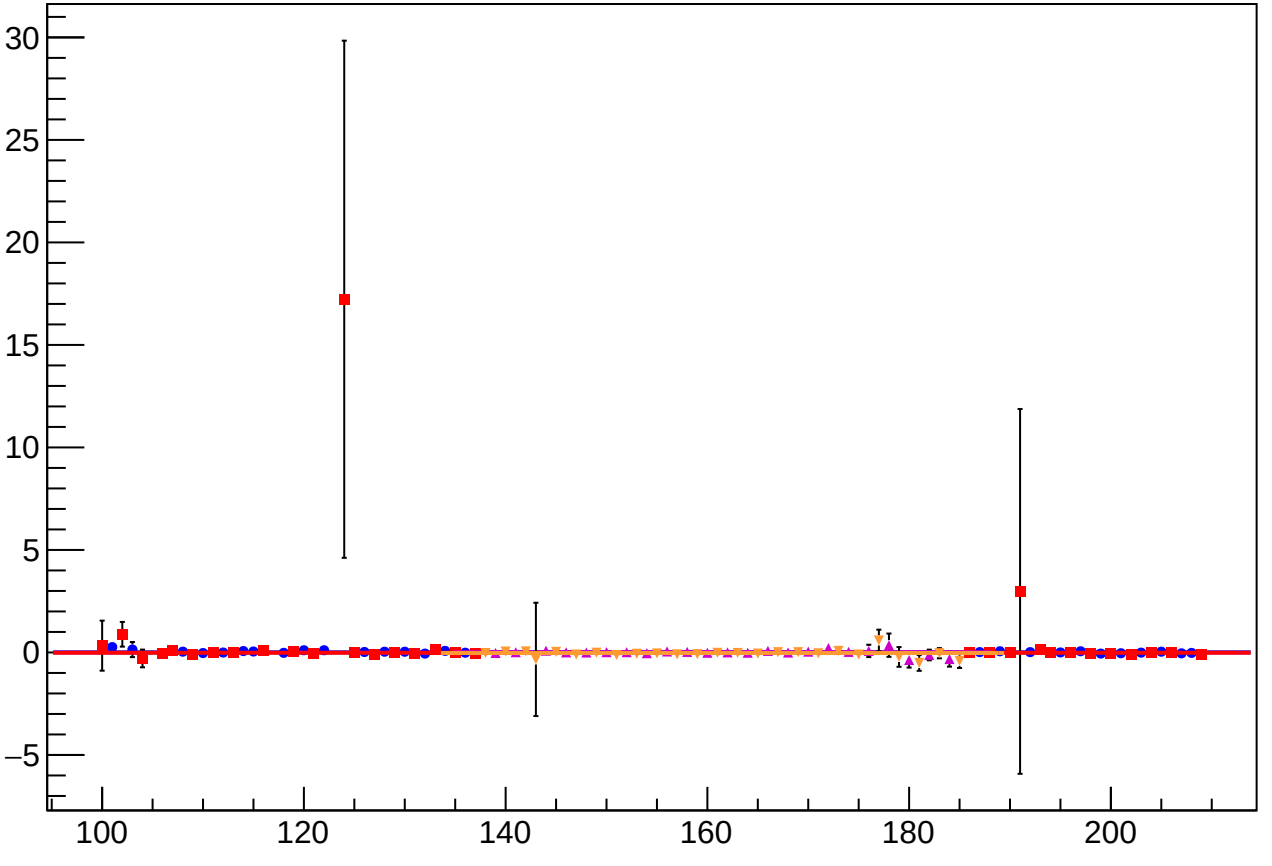
Right: 40.876+/-0.006 χ^2/NDF: 9591110.4/58

In: 35.975+/-0.005 χ^2/NDF:13689769.0/49

Out: 35.865+/-0.005 χ^2/NDF:16929089.0/56

All: 35.919+/-0.004 χ^2/NDF: 30619081.2/106

asym_atl1r2_dd_atl2r1_dd_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.006+/-0.012 χ^2/NDF: 16.2/26

Left Out: -0.028+/-0.010 χ^2/NDF:28.1/24

Right Out: -0.014+/-0.012 χ^2/NDF: 26.7/31

Left In: 0.011+/-0.009 χ^2/NDF:13.2/22

Left: -0.008+/-0.007 χ^2/NDF: 49.6/47

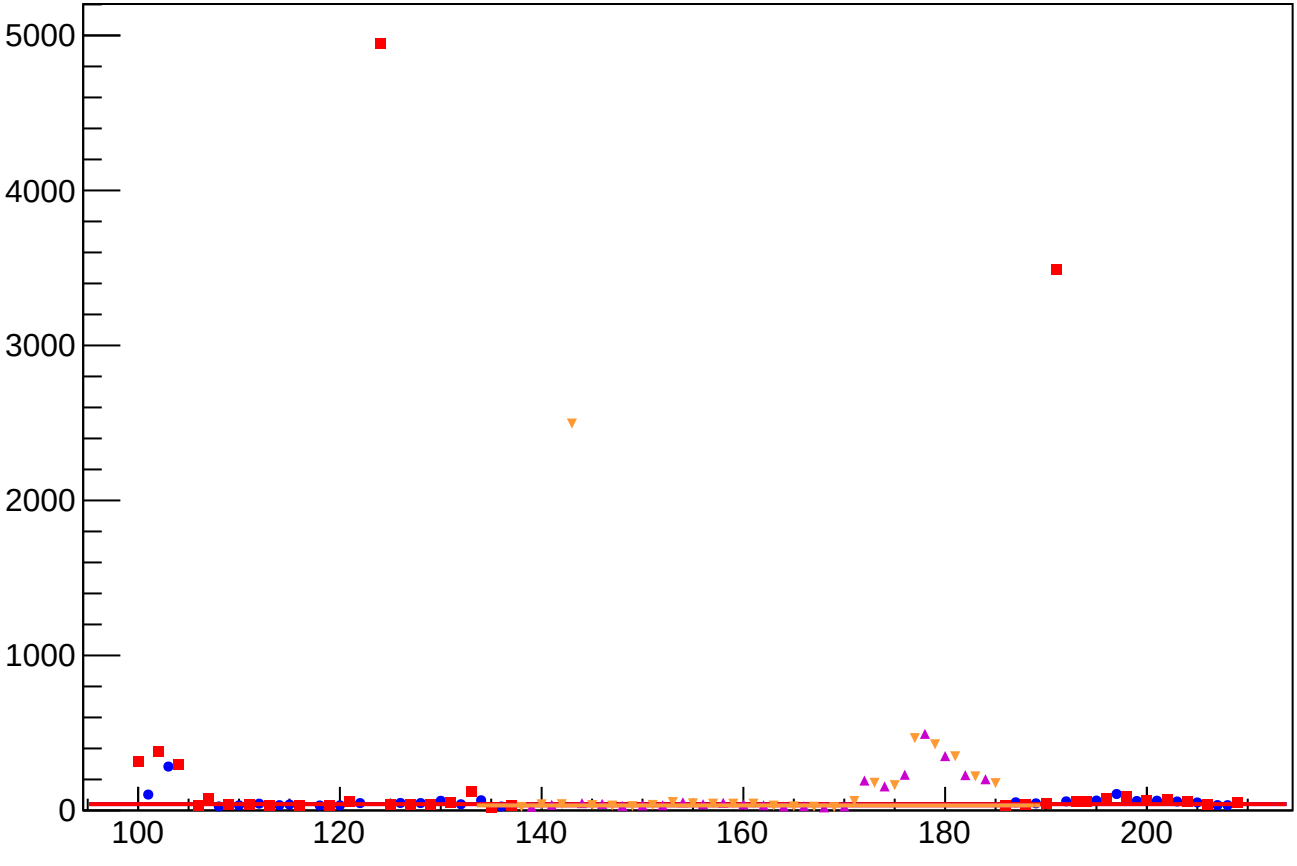
Right: -0.005+/-0.008 χ^2/NDF: 44.3/58

In: 0.009+/-0.007 χ^2/NDF:29.5/49

Out: -0.022+/-0.007 χ^2/NDF:55.7/56

All: -0.007+/-0.005 χ^2/NDF: 94.1/106

asym_atl1r2_dd_atl2r1_dd_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 41.030+/-0.008 χ^2/NDF: 4131783.1/26

Left Out: 32.551+/-0.007 χ^2/NDF:10871758.1/24

Right Out: 40.731+/-0.008 χ^2/NDF: 5458676.5/31

Left In: 32.738+/-0.007 χ^2/NDF:8963240.8/22

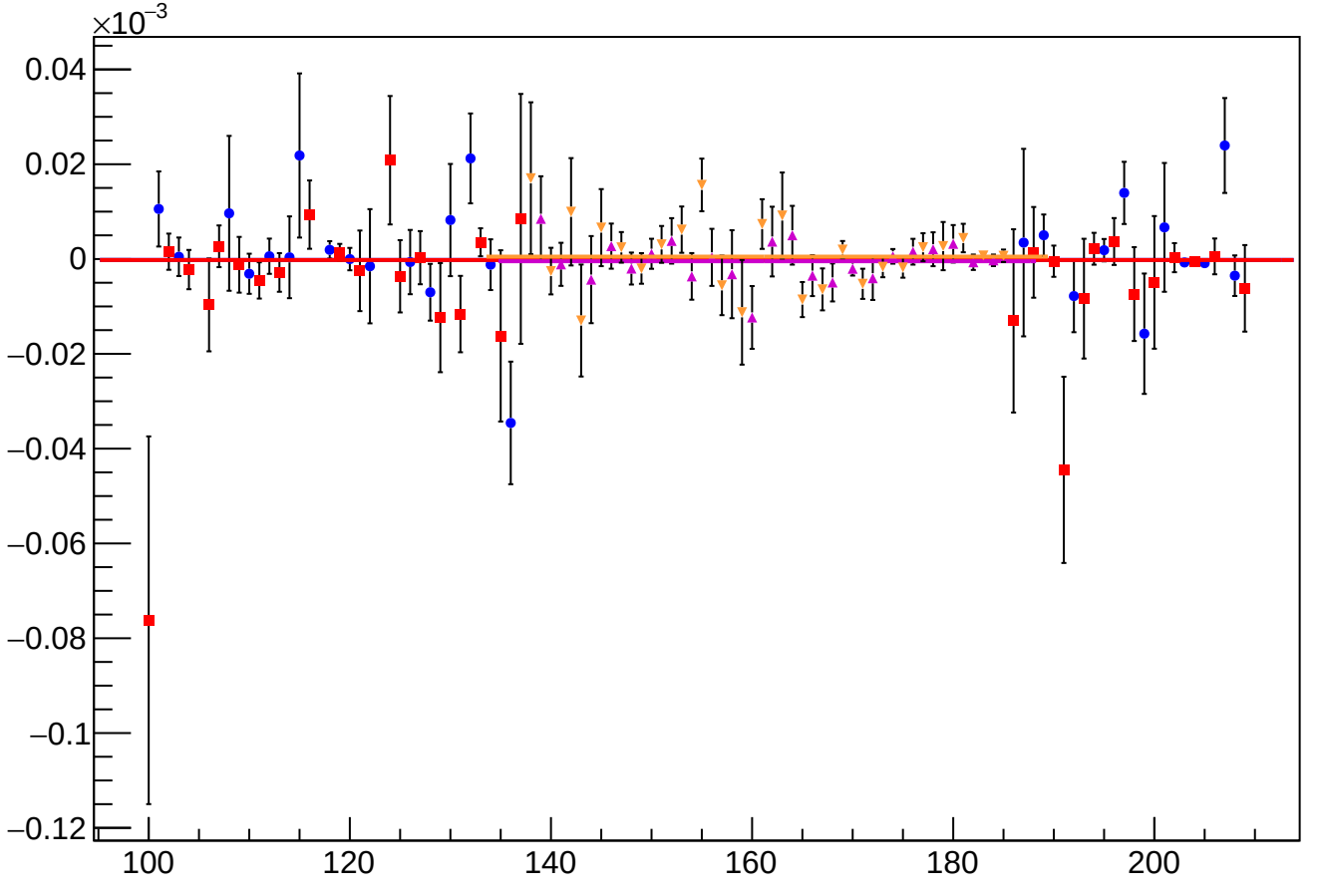
Left: 32.645+/-0.005 χ^2/NDF: 19835386.0/47

Right: 40.876+/-0.006 χ^2/NDF: 9591110.4/58

In: 35.975+/-0.005 χ^2/NDF:13689769.0/49

Out: 35.865+/-0.005 χ^2/NDF:16929089.0/56

All: 35.919+/-0.004 χ^2/NDF: 30619081.2/106



Right In: -0.000+/-0.000 χ^2/NDF: 36.8/26

Left Out: 0.000+/-0.000 χ^2/NDF:35.7/24

Right Out: -0.000+/-0.000 χ^2/NDF: 26.6/31

Left In: -0.000+/-0.000 χ^2/NDF:13.7/22

Left: 0.000+/-0.000 χ^2/NDF: 50.9/47

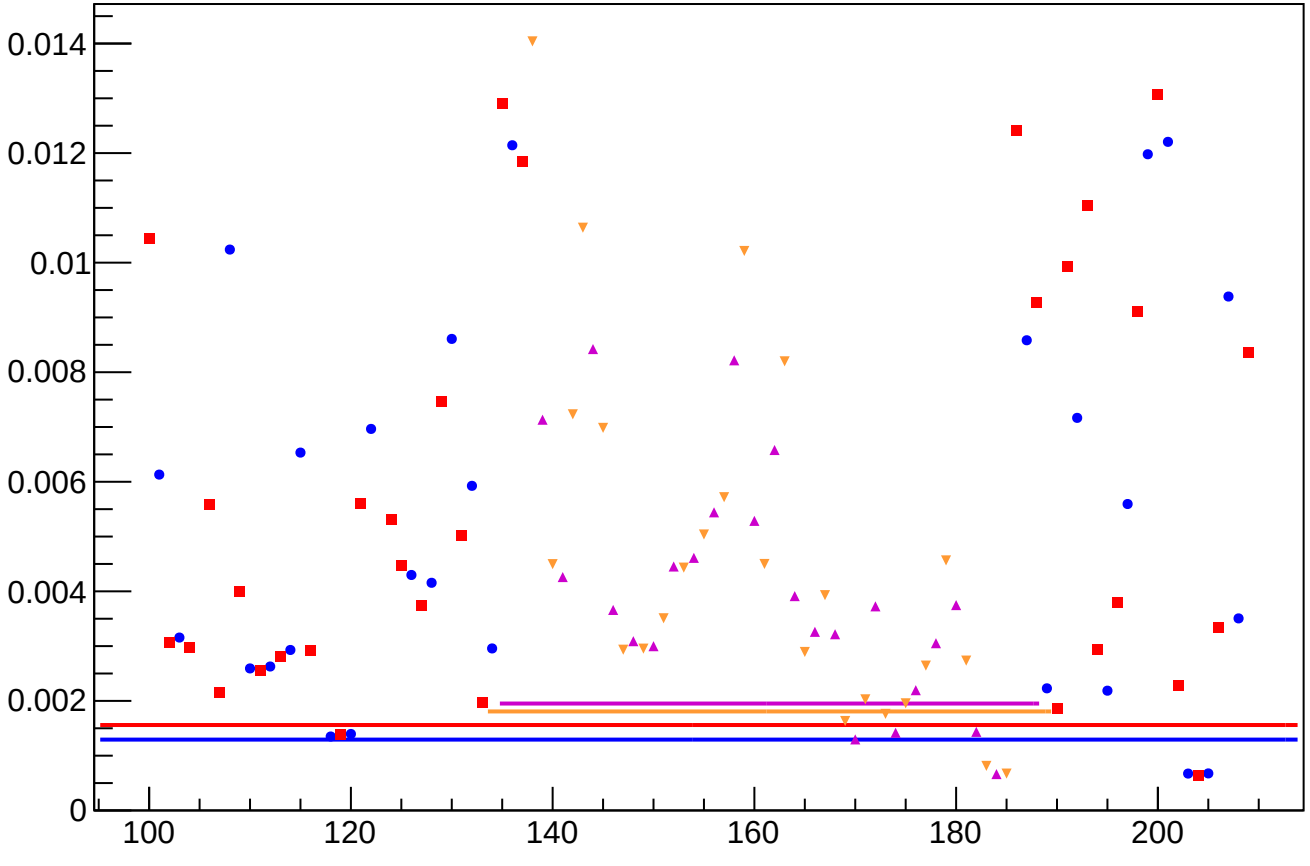
Right: -0.000+/-0.000 χ^2/NDF: 63.3/58

In: -0.000+/-0.000 χ^2/NDF:50.6/49

Out: 0.000+/-0.000 χ^2/NDF:63.1/56

All: -0.000+/-0.000 χ^2/NDF: 114.4/106

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: 15872879.1/26

Left Out: 0.002+/-0.000 χ^2/NDF:14941257.4/24

Right Out: 0.002+/-0.000 χ^2/NDF: 16523060.5/31

Left In: 0.002+/-0.000 χ^2/NDF:11478607.0/22

Left: 0.002+/-0.000 χ^2/NDF: 26484379.9/47

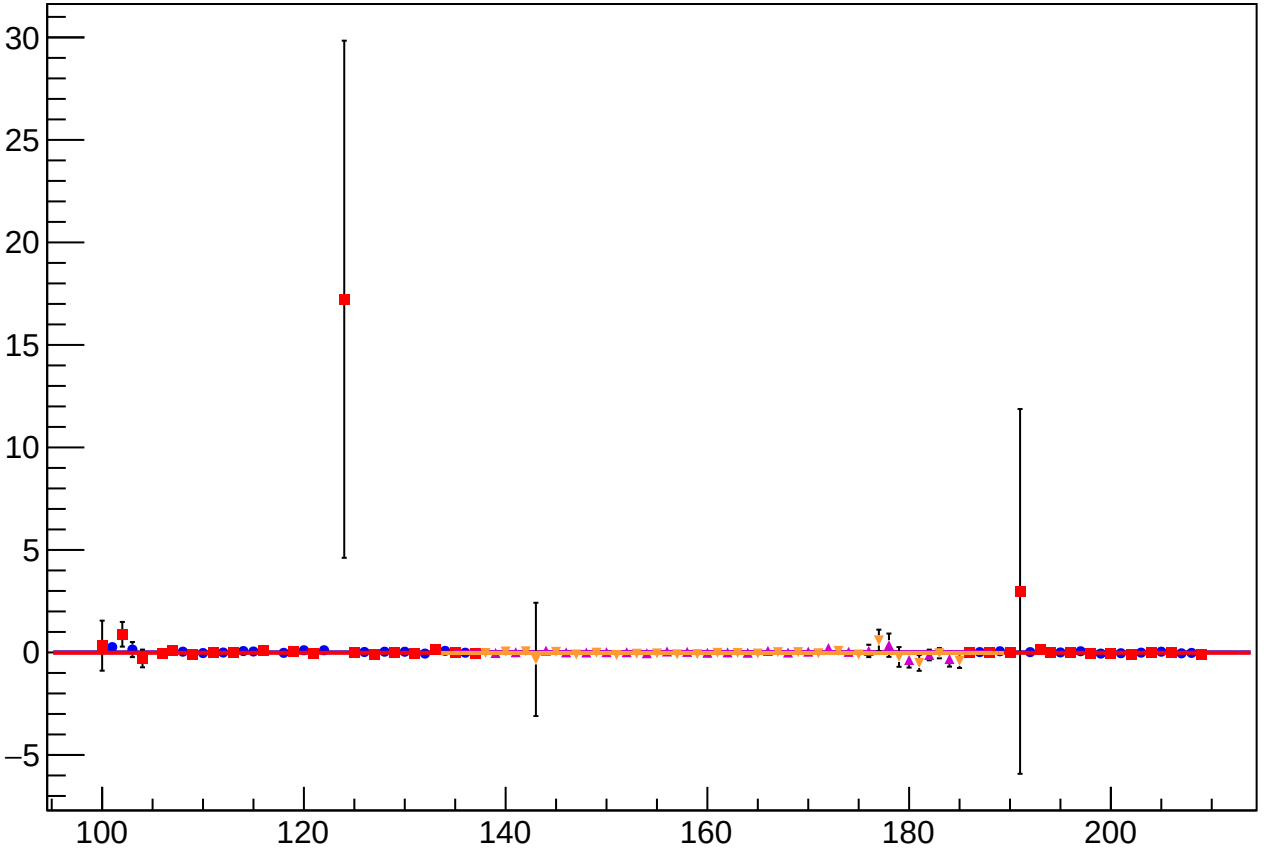
Right: 0.001+/-0.000 χ^2/NDF: 32641302.5/58

In: 0.002+/-0.000 χ^2/NDF:28775285.2/49

Out: 0.002+/-0.000 χ^2/NDF:31664250.4/56

All: 0.002+/-0.000 χ^2/NDF: 60518729.3/106

asym_atl1r2_dd_atl2r1_dd_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.006+/-0.012 χ^2/NDF: 16.2/26

Left Out: -0.028+/-0.010 χ^2/NDF:28.1/24

Right Out: -0.014+/-0.012 χ^2/NDF: 26.7/31

Left In: 0.011+/-0.009 χ^2/NDF:13.2/22

Left: -0.008+/-0.007 χ^2/NDF: 49.6/47

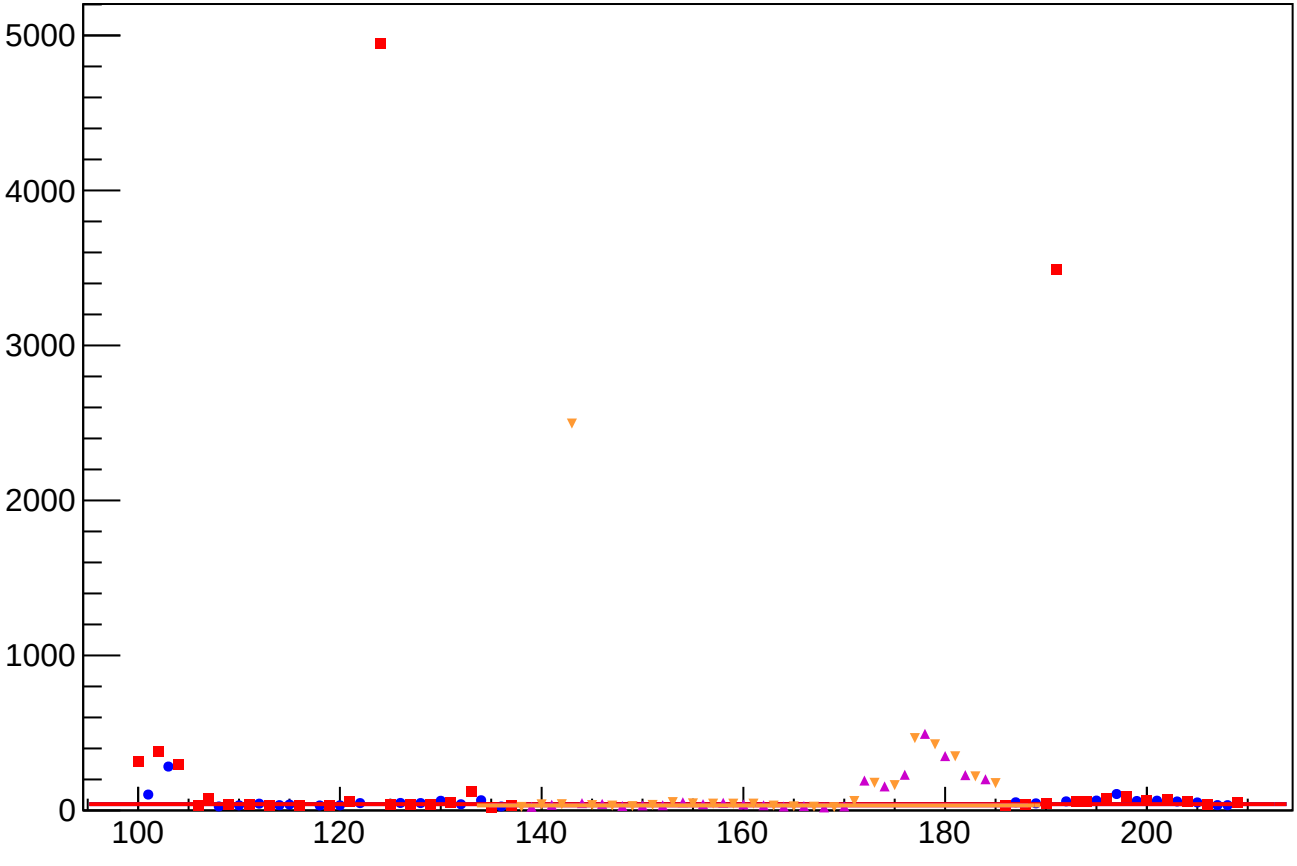
Right: -0.005+/-0.008 χ^2/NDF: 44.3/58

In: 0.009+/-0.007 χ^2/NDF:29.5/49

Out: -0.022+/-0.007 χ^2/NDF:55.7/56

All: -0.007+/-0.005 χ^2/NDF: 94.1/106

asym_atl1r2_dd_atl2r1_dd_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 41.030+/-0.008 χ^2/NDF: 4131432.7/26

Left Out: 32.551+/-0.007 χ^2/NDF:10872015.8/24

Right Out: 40.731+/-0.008 χ^2/NDF: 5458491.6/31

Left In: 32.737+/-0.007 χ^2/NDF:8963873.9/22

Left: 32.644+/-0.005 χ^2/NDF: 19836272.3/47

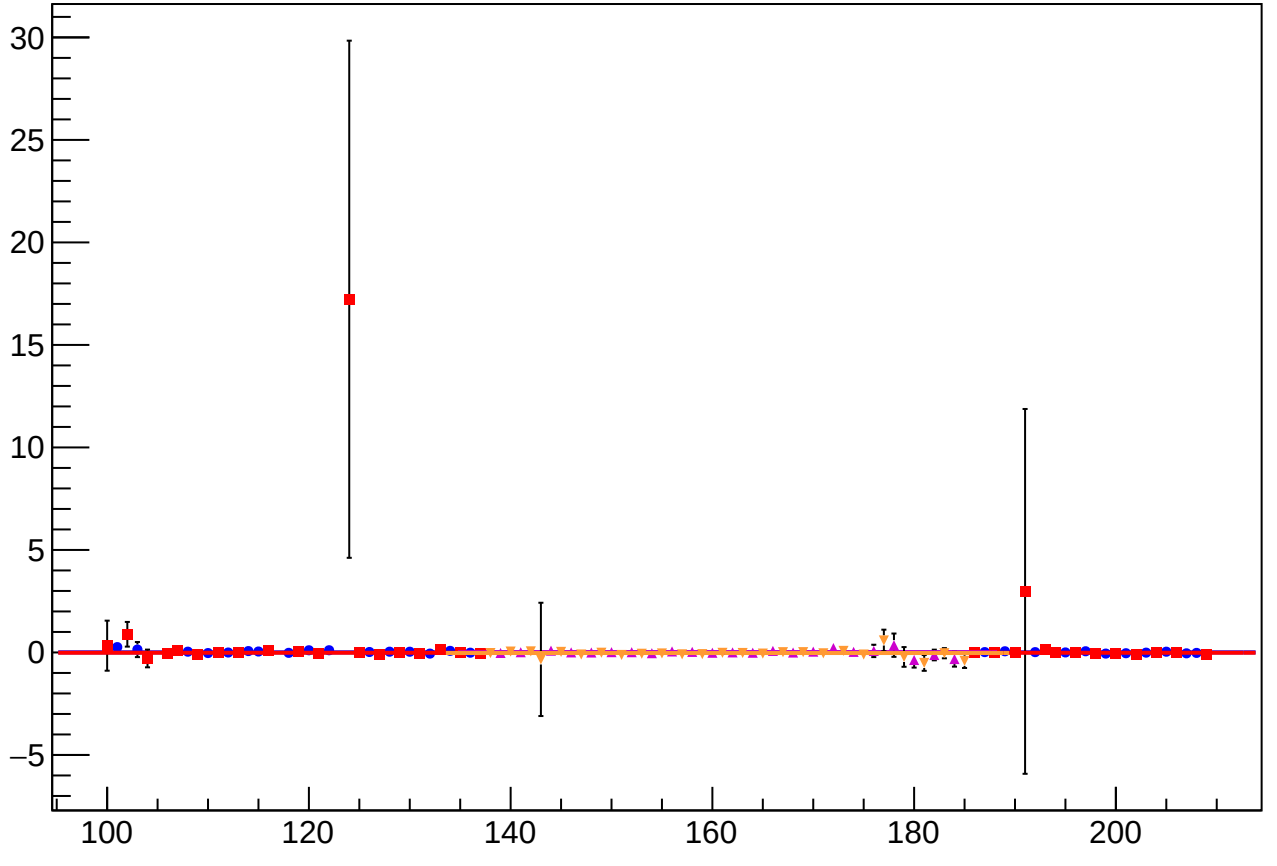
Right: 40.876+/-0.006 χ^2/NDF: 9590575.0/58

In: 35.974+/-0.005 χ^2/NDF:13690261.8/49

Out: 35.865+/-0.005 χ^2/NDF:16929208.7/56

All: 35.919+/-0.004 χ^2/NDF: 30619690.6/106

asym_atl1r2_dd_atl2r1_dd_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.006+/-0.012 χ^2/NDF: 16.2/26

Left Out: -0.028+/-0.010 χ^2/NDF:28.1/24

Right Out: -0.014+/-0.012 χ^2/NDF: 26.7/31

Left In: 0.011+/-0.009 χ^2/NDF:13.2/22

Left: -0.008+/-0.007 χ^2/NDF: 49.6/47

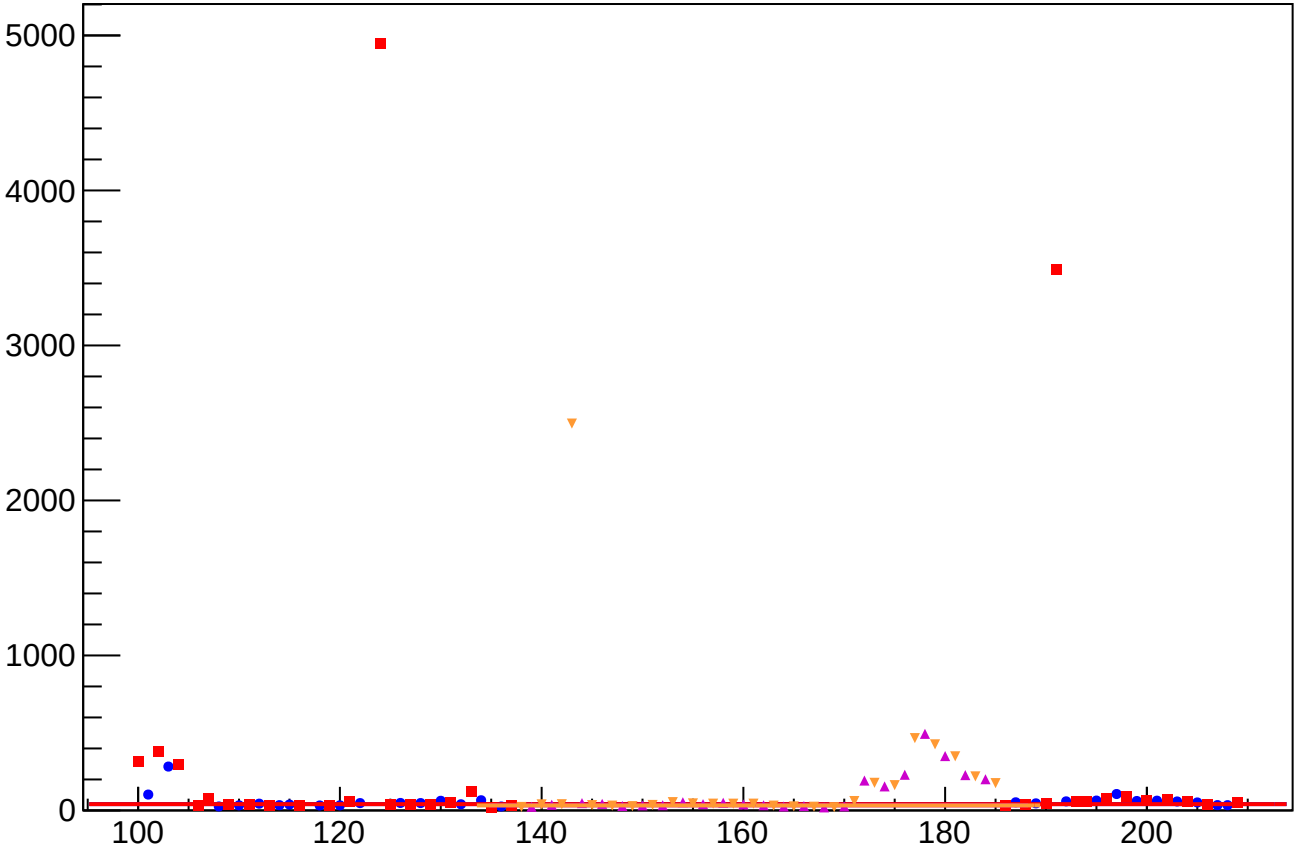
Right: -0.005+/-0.008 χ^2/NDF: 44.3/58

In: 0.009+/-0.007 χ^2/NDF:29.5/49

Out: -0.022+/-0.007 χ^2/NDF:55.7/56

All: -0.007+/-0.005 χ^2/NDF: 94.1/106

asym_atl1r2_dd_atl2r1_dd_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 41.030+/-0.008 χ^2/NDF: 4131432.7/26

Left Out: 32.551+/-0.007 χ^2/NDF:10872015.8/24

Right Out: 40.731+/-0.008 χ^2/NDF: 5458491.6/31

Left In: 32.737+/-0.007 χ^2/NDF:8963873.9/22

Left: 32.644+/-0.005 χ^2/NDF: 19836272.3/47

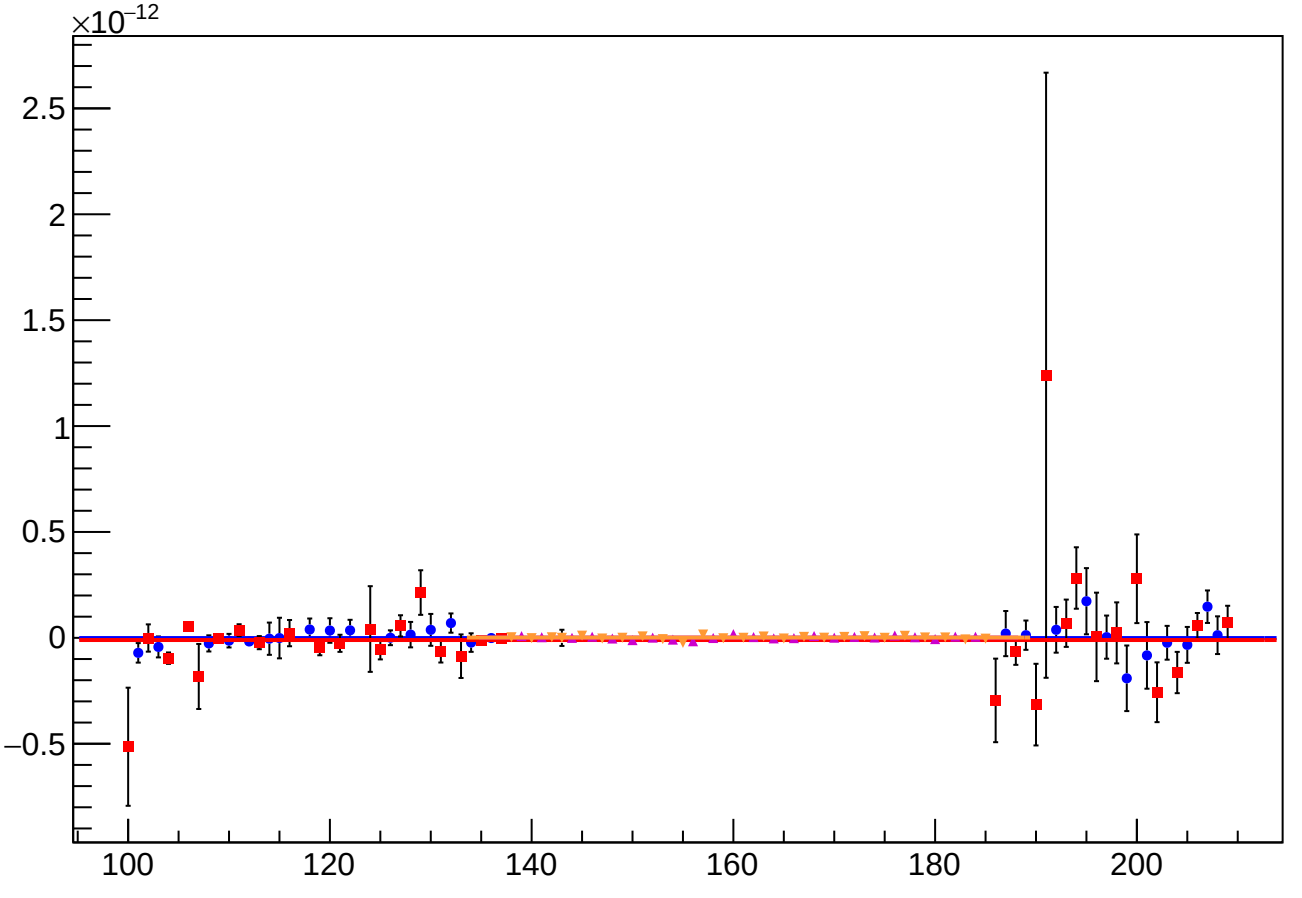
Right: 40.876+/-0.006 χ^2/NDF: 9590575.0/58

In: 35.974+/-0.005 χ^2/NDF:13690261.8/49

Out: 35.865+/-0.005 χ^2/NDF:16929208.7/56

All: 35.919+/-0.004 χ^2/NDF: 30619690.6/106

asym_atl1r2_dd_atl2r1_dd_avg_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.000 χ^2/NDF: 15.8/26

Left Out: 0.000+/-0.000 χ^2/NDF:18.1/24

Right Out: -0.000+/-0.000 χ^2/NDF: 60.3/31

Left In: 0.000+/-0.000 χ^2/NDF:28.7/22

Left: 0.000+/-0.000 χ^2/NDF: 46.8/47

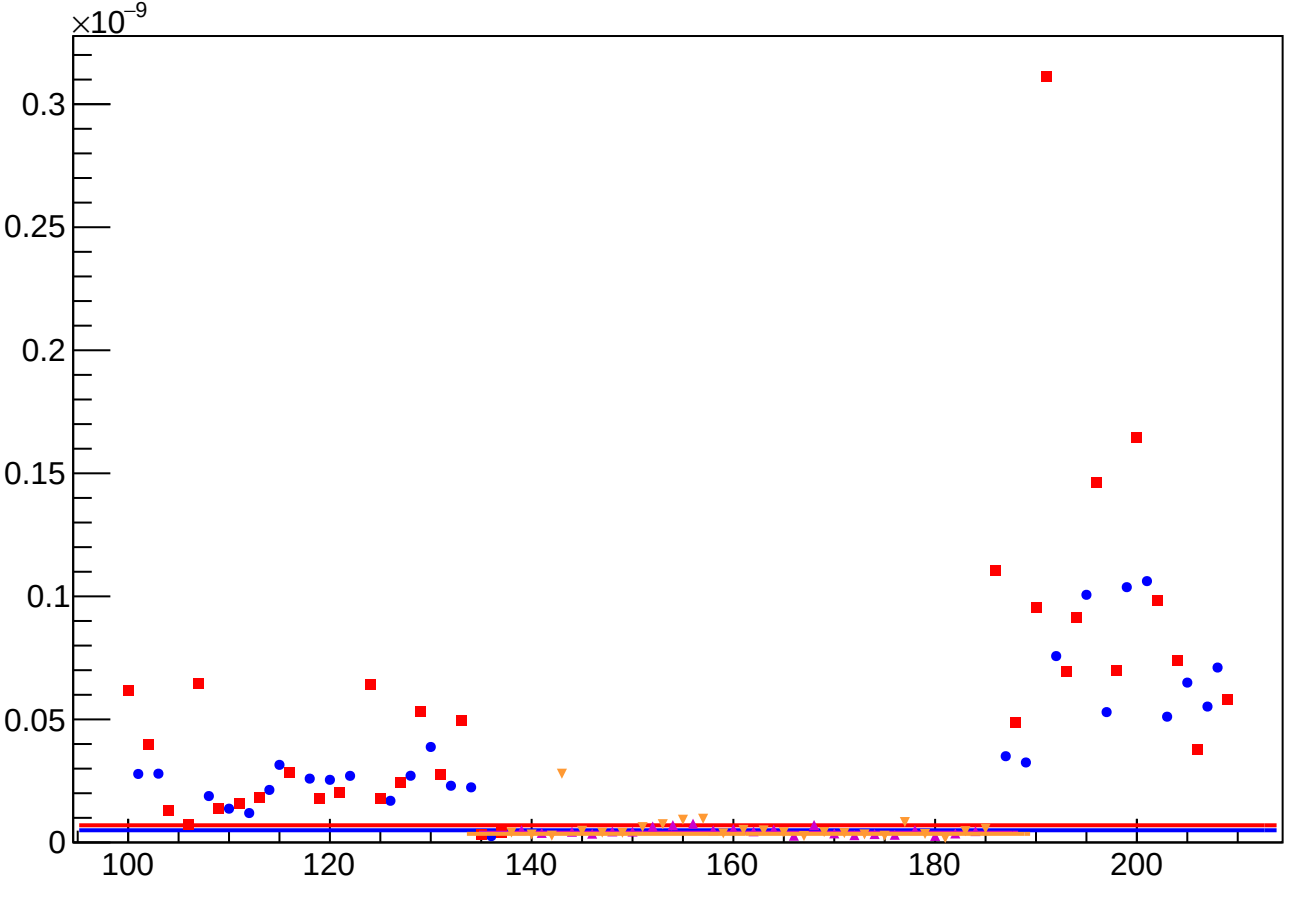
Right: -0.000+/-0.000 χ^2/NDF: 79.1/58

In: 0.000+/-0.000 χ^2/NDF:44.9/49

Out: 0.000+/-0.000 χ^2/NDF:85.9/56

All: 0.000+/-0.000 χ^2/NDF: 130.8/106

asym_atl1r2_dd_atl2r1_dd_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 12981532.3/26

Left Out: 0.000+/-0.000 χ^2/NDF:4688121.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 13733943.7/31

Left In: 0.000+/-0.000 χ^2/NDF:2073078.0/22

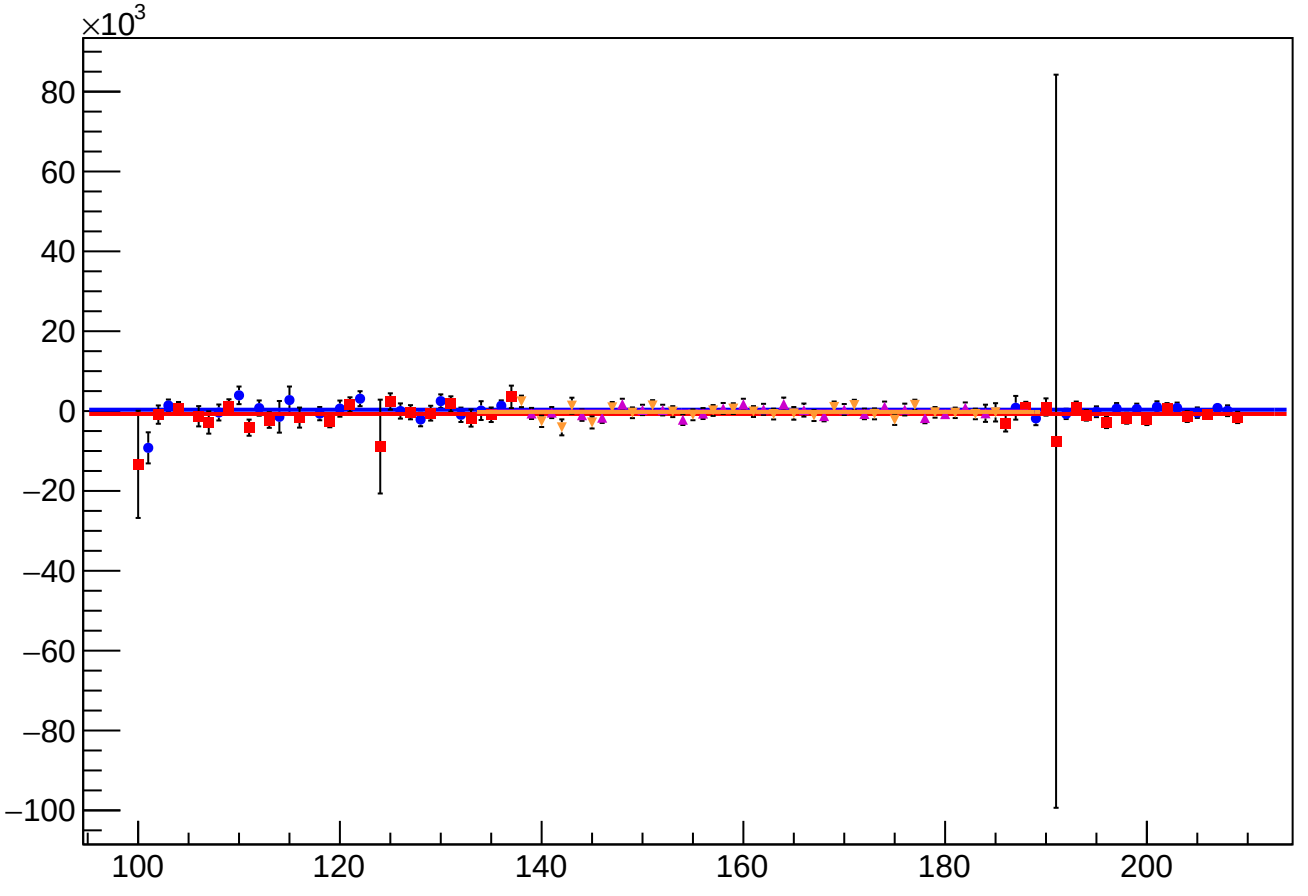
Left: 0.000+/-0.000 χ^2/NDF: 6948707.3/47

Right: 0.000+/-0.000 χ^2/NDF: 27001366.6/58

In: 0.000+/-0.000 χ^2/NDF:15203063.5/49

Out: 0.000+/-0.000 χ^2/NDF:19750314.9/56

All: 0.000+/-0.000 χ^2/NDF: 35074097.5/106



Right In: 344.651+/-318.962 χ^2/NDF: 20.7/26

Left Out: -220.721+/-283.055 χ^2/NDF:23.9/24

Right Out: -726.532+/-311.191 χ^2/NDF: 27.7/31

Left In: -92.402+/-288.217 χ^2/NDF:14.7/22

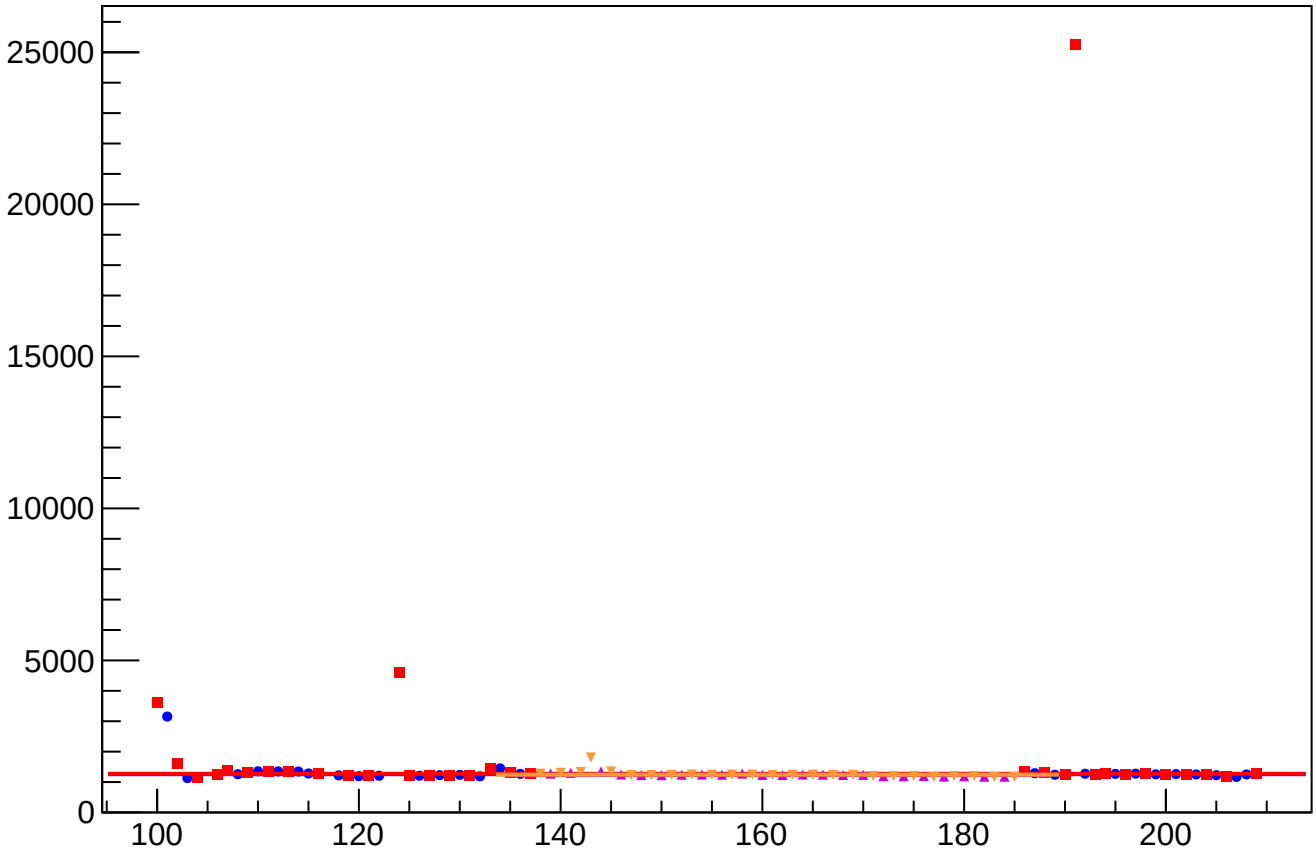
Left: -157.721+/-201.950 χ^2/NDF: 38.7/47

Right: -204.147+/-222.742 χ^2/NDF: 54.2/58

In: 104.051+/-213.846 χ^2/NDF:36.4/49

Out: -449.731+/-209.392 χ^2/NDF:53.1/56

All: -178.667+/-149.612 χ^2/NDF: 92.9/106



Right In: 1258.016+/-0.226 χ^2/NDF: 533914.5/26

Left Out: 1242.825+/-0.200 χ^2/NDF:203299.1/24

Right Out: 1270.643+/-0.220 χ^2/NDF: 486615.6/31

Left In: 1233.752+/-0.204 χ^2/NDF:39281.8/22

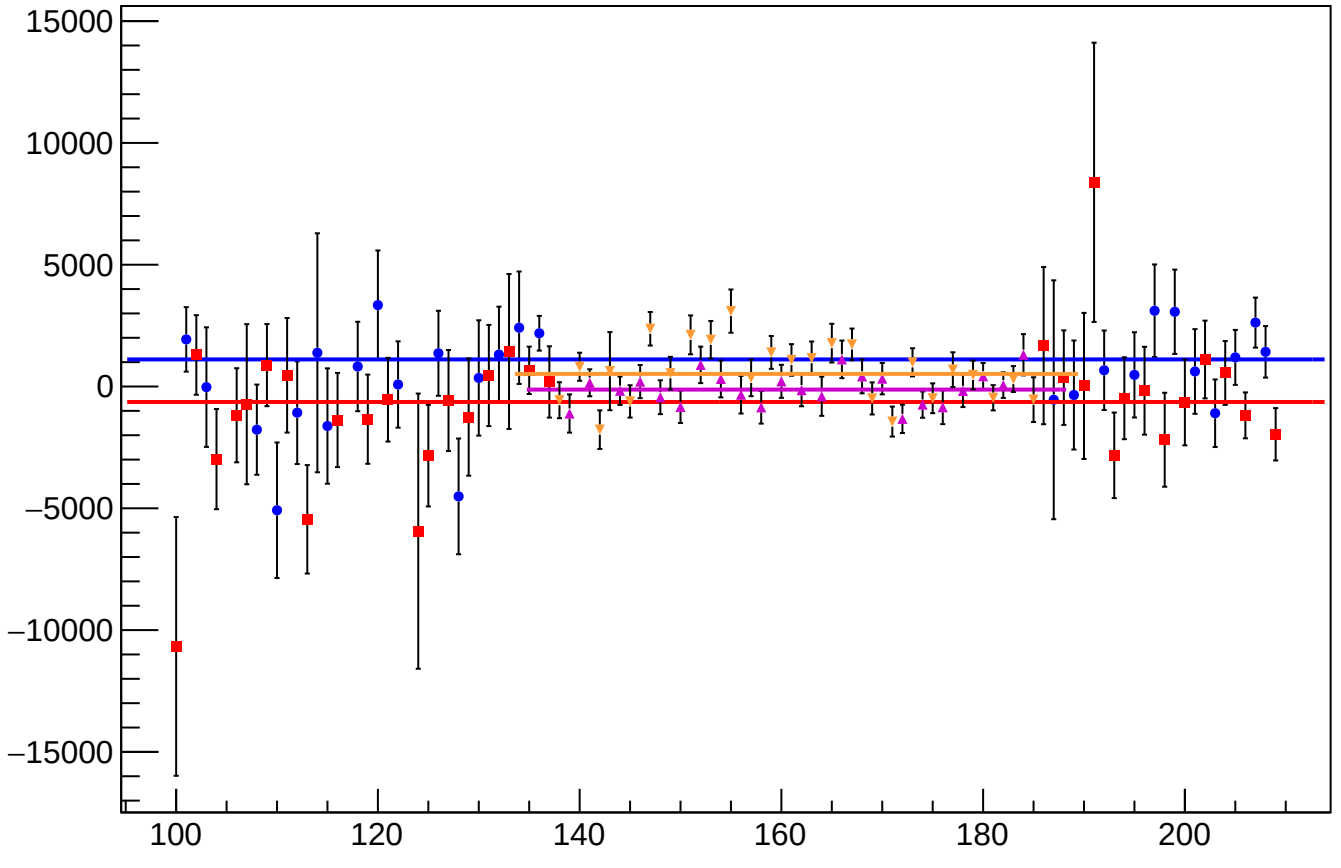
Left: 1238.371+/-0.143 χ^2/NDF: 243589.7/47

Right: 1264.485+/-0.158 χ^2/NDF: 1022136.1/58

In: 1244.659+/-0.151 χ^2/NDF:579567.6/49

Out: 1255.420+/-0.148 χ^2/NDF:698661.1/56

All: 1250.153+/-0.106 χ^2/NDF: 1280814.3/10



Right In: 1112.108+/-307.872 χ^2/NDF: 28.1/26

Left Out: 516.792+/-135.746 χ^2/NDF:67.0/24

Right Out: -635.031+/-312.903 χ^2/NDF: 26.7/31

Left In: -126.569+/-137.266 χ^2/NDF:21.6/22

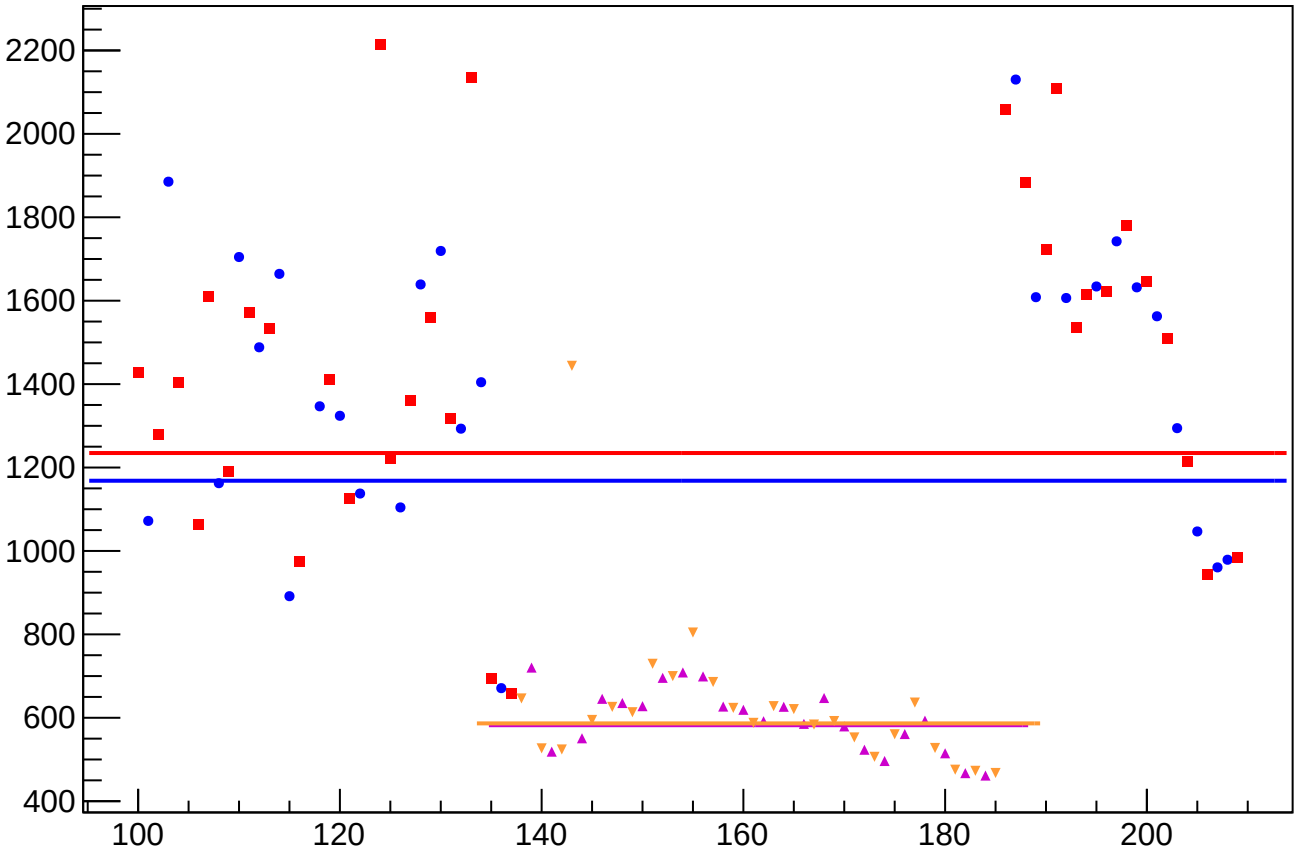
Left: 198.694+/-96.520 χ^2/NDF: 99.7/47

Right: 252.698+/-219.455 χ^2/NDF: 70.6/58

In: 78.833+/-125.370 χ^2/NDF:63.1/49

Out: 334.348+/-124.532 χ^2/NDF:105.1/56

All: 207.447+/-88.352 χ^2/NDF: 170.3/106



Right In: 1168.338+/-0.218 χ^2/NDF: 2625141.7/26

Left Out: 586.557+/-0.096 χ^2/NDF:1202915.7/24

Right Out: 1234.788+/-0.221 χ^2/NDF: 2730712.1/31

Left In: 582.190+/-0.097 χ^2/NDF:559261.3/22

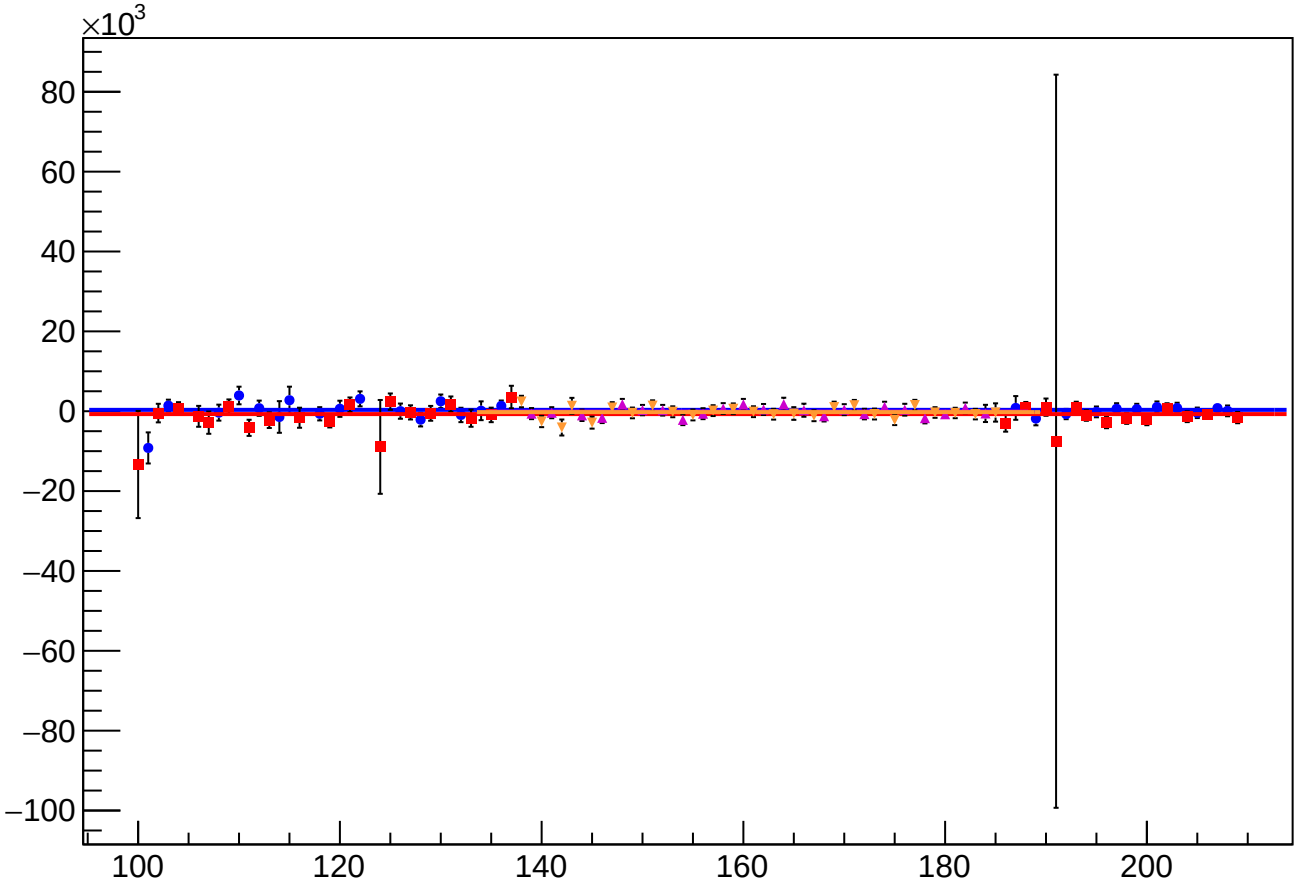
Left: 584.398+/-0.068 χ^2/NDF: 1763200.3/47

Right: 1201.024+/-0.155 χ^2/NDF: 5401684.4/58

In: 679.387+/-0.089 χ^2/NDF:9231712.8/49

Out: 689.234+/-0.088 χ^2/NDF:11157624.3/56

All: 684.344+/-0.062 χ^2/NDF: 20395547.4/10



Right In: 344.856+/-318.962 χ^2/NDF: 20.7/26

Left Out: -220.755+/-283.055 χ^2/NDF:23.9/24

Right Out: -718.246+/-311.413 χ^2/NDF: 27.7/31

Left In: -92.472+/-288.217 χ^2/NDF:14.7/22

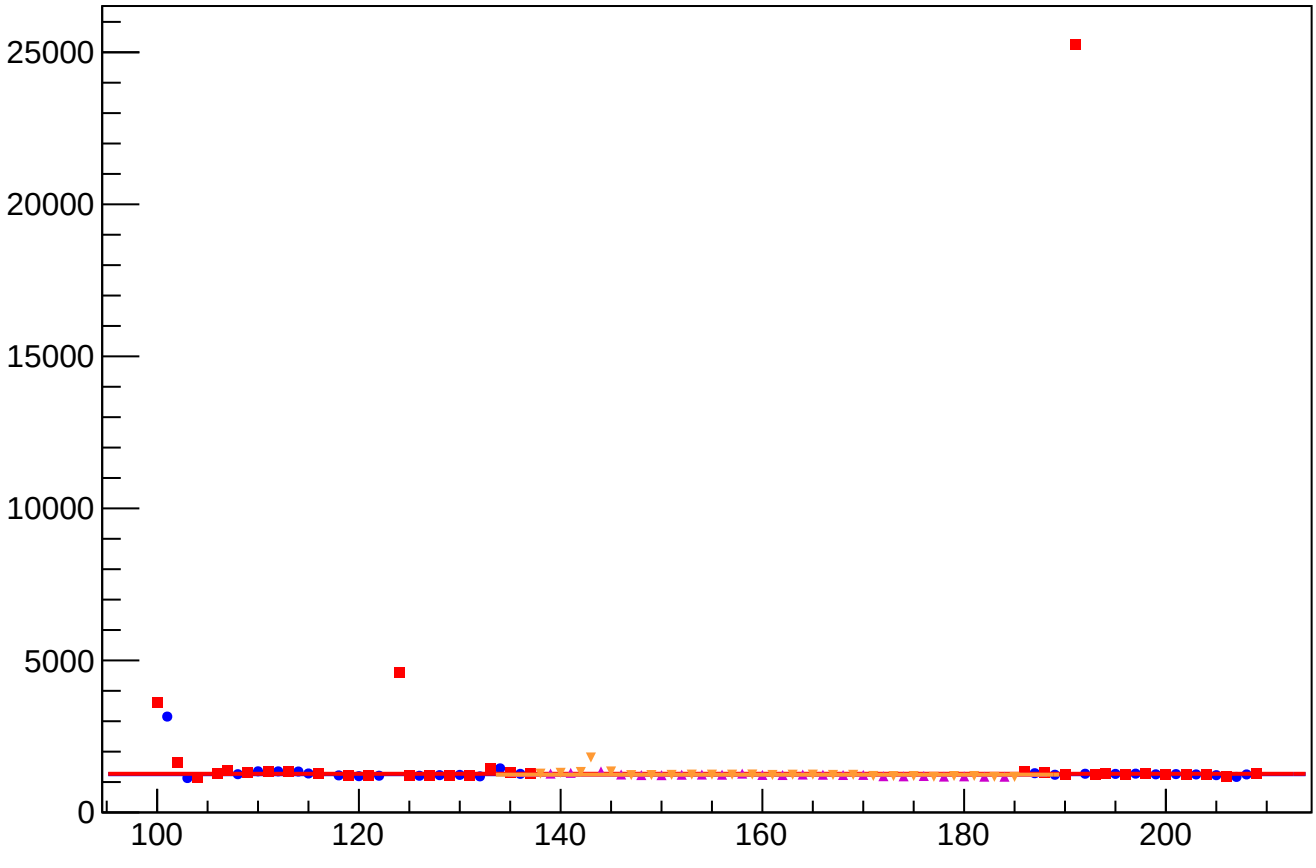
Left: -157.773+/-201.950 χ^2/NDF: 38.7/47

Right: -199.424+/-222.823 χ^2/NDF: 54.1/58

In: 104.104+/-213.846 χ^2/NDF:36.4/49

Out: -445.823+/-209.460 χ^2/NDF:53.1/56

All: -176.557+/-149.637 χ^2/NDF: 92.8/106



Right In: 1258.016+/-0.226 χ^2/NDF: 533915.9/26

Left Out: 1242.825+/-0.200 χ^2/NDF:203299.1/24

Right Out: 1271.585+/-0.220 χ^2/NDF: 493758.1/31

Left In: 1233.752+/-0.204 χ^2/NDF:39281.7/22

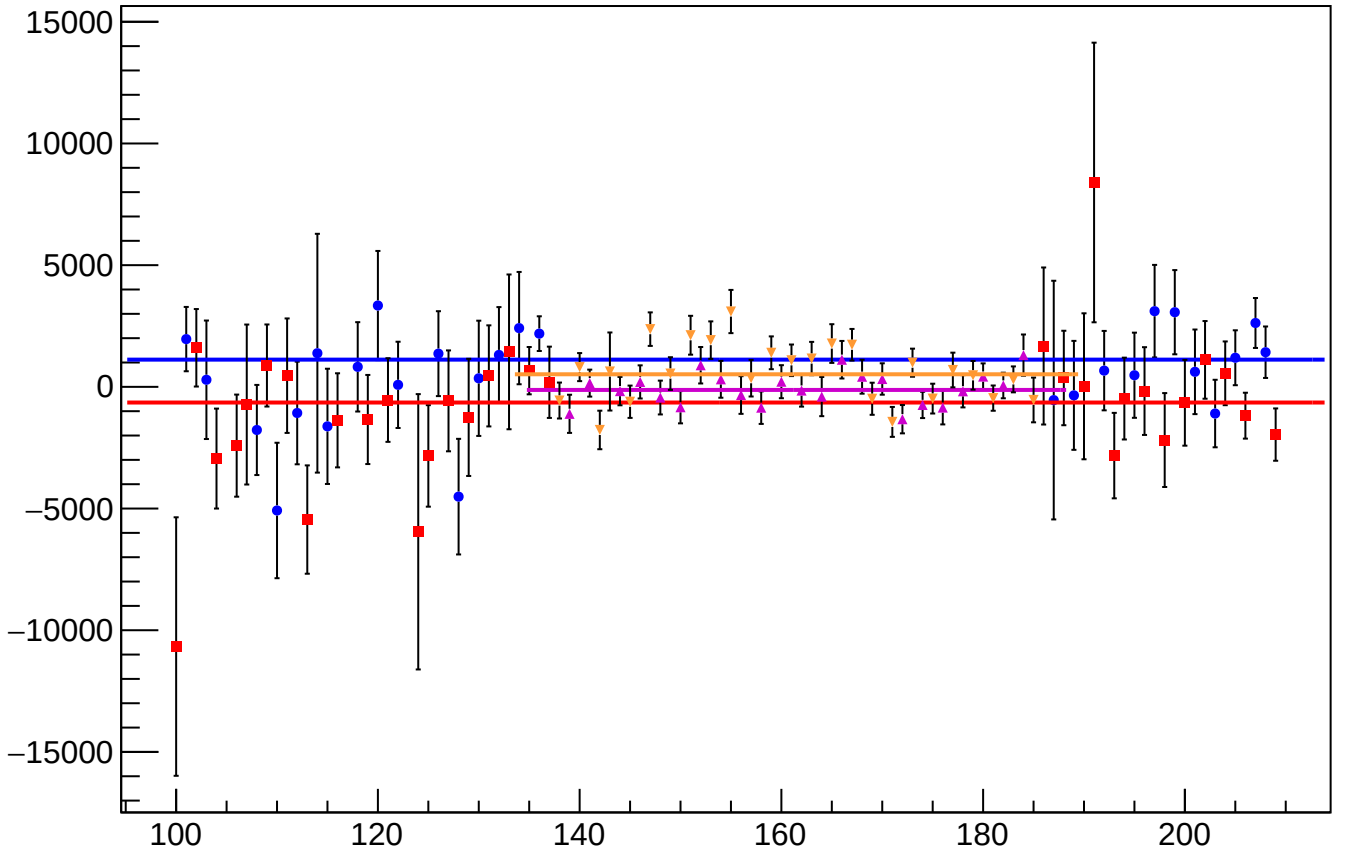
Left: 1238.371+/-0.143 χ^2/NDF: 243589.6/47

Right: 1264.963+/-0.158 χ^2/NDF: 1029527.1/58

In: 1244.659+/-0.151 χ^2/NDF:579568.9/49

Out: 1255.836+/-0.148 χ^2/NDF:706398.4/56

All: 1250.363+/-0.106 χ^2/NDF: 1288755.9/10



Right In: 1118.543+/-307.805 χ^2/NDF: 28.0/26

Left Out: 516.811+/-135.747 χ^2/NDF:67.0/24

Right Out: -644.003+/-313.211 χ^2/NDF: 27.9/31

Left In: -126.549+/-137.266 χ^2/NDF:21.6/22

Left: 198.710+/-96.520 χ^2/NDF: 99.7/47

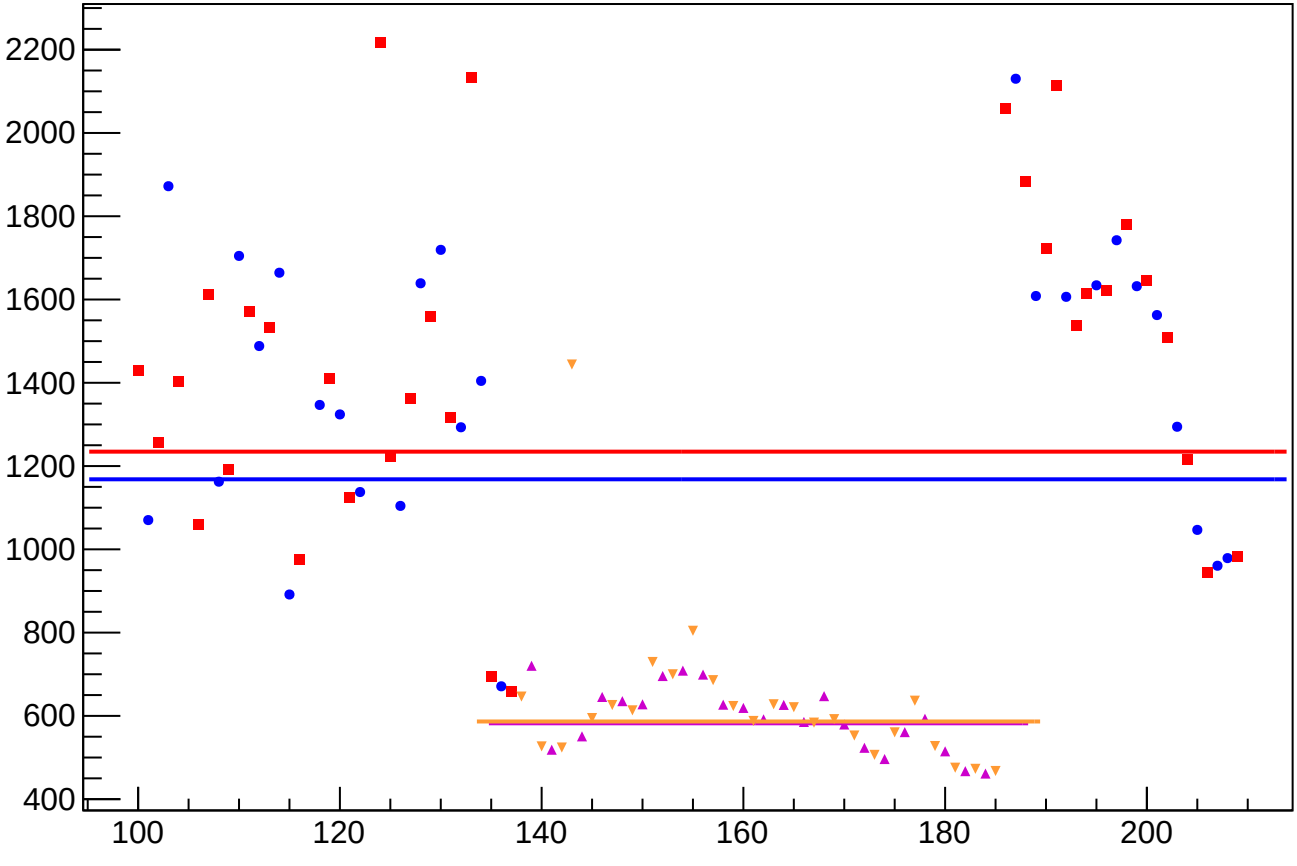
Right: 252.614+/-219.537 χ^2/NDF: 72.0/58

In: 79.990+/-125.365 χ^2/NDF:63.2/49

Out: 333.246+/-124.552 χ^2/NDF:106.5/56

All: 207.442+/-88.358 χ^2/NDF: 171.7/106

asym_at1_dd_at2_dd_avg_cor_correction_rms vs Slug, Sign Corrected



Right In: 1168.199+/-0.218 χ^2/NDF: 2622083.1/26

Left Out: 586.562+/-0.096 χ^2/NDF:1202822.0/24

Right Out: 1234.618+/-0.221 χ^2/NDF: 2728069.3/31

Left In: 582.189+/-0.097 χ^2/NDF:559258.0/22

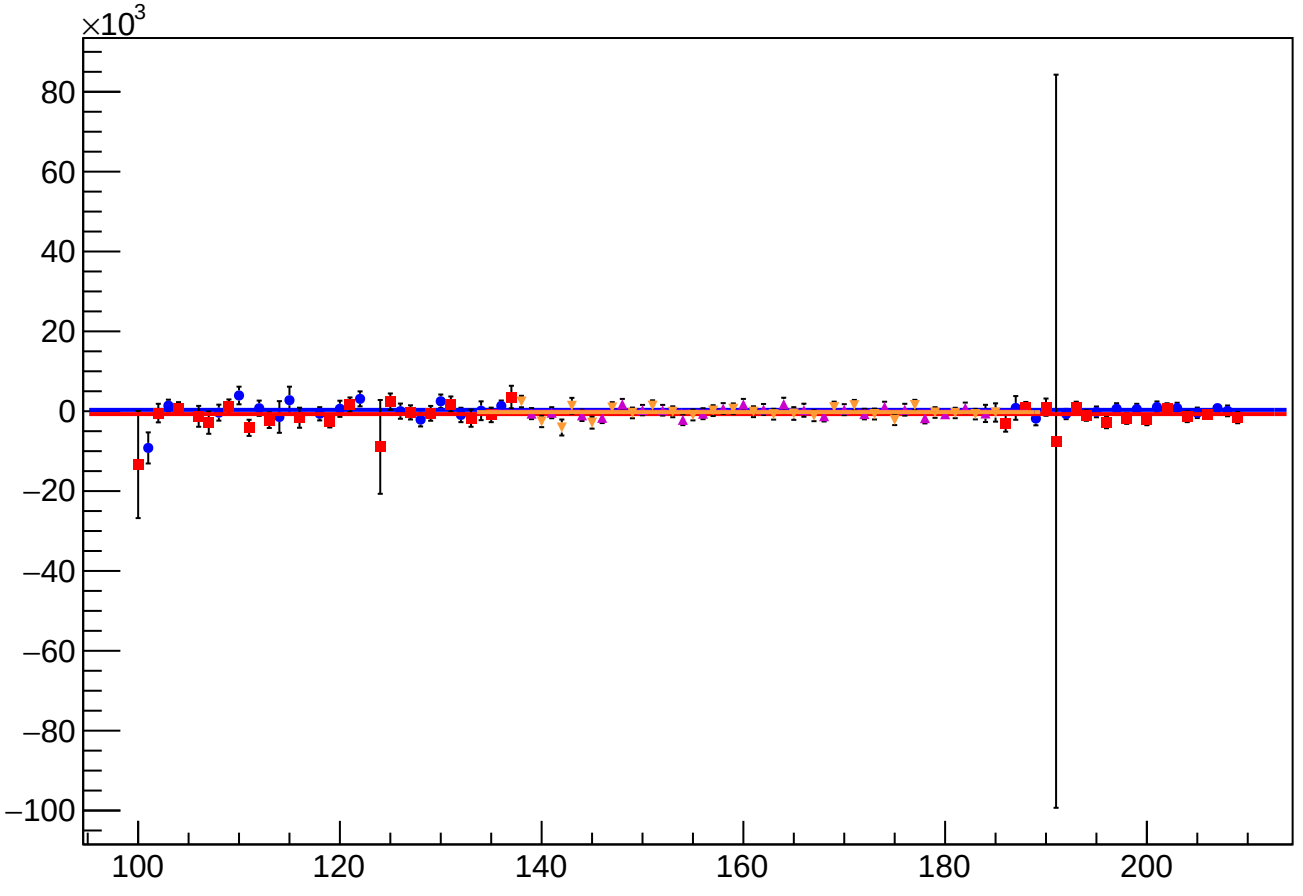
Left: 584.400+/-0.068 χ^2/NDF: 1763106.4/47

Right: 1200.830+/-0.155 χ^2/NDF: 5395904.0/58

In: 679.398+/-0.089 χ^2/NDF:9228036.0/49

Out: 689.042+/-0.088 χ^2/NDF:11139035.5/56

All: 684.251+/-0.062 χ^2/NDF: 20373028.6/10



Right In: 344.856+/-318.962 χ^2/NDF: 20.7/26

Left Out: -220.755+/-283.055 χ^2/NDF:23.9/24

Right Out: -718.246+/-311.413 χ^2/NDF: 27.7/31

Left In: -92.472+/-288.217 χ^2/NDF:14.7/22

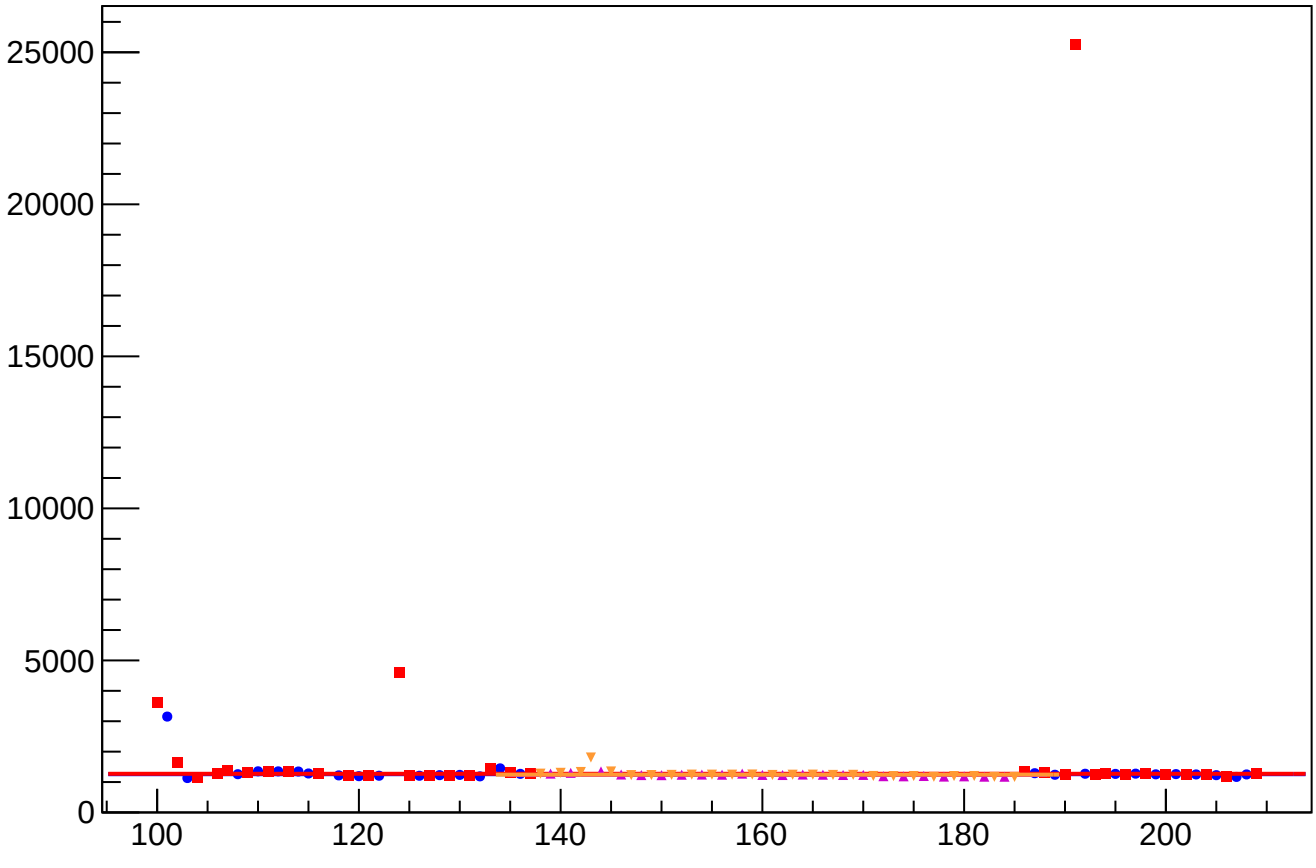
Left: -157.773+/-201.950 χ^2/NDF: 38.7/47

Right: -199.424+/-222.823 χ^2/NDF: 54.1/58

In: 104.104+/-213.846 χ^2/NDF:36.4/49

Out: -445.823+/-209.460 χ^2/NDF:53.1/56

All: -176.557+/-149.637 χ^2/NDF: 92.8/106



Right In: 1258.016+/-0.226 χ^2/NDF: 533915.9/26

Left Out: 1242.825+/-0.200 χ^2/NDF:203299.1/24

Right Out: 1271.585+/-0.220 χ^2/NDF: 493758.1/31

Left In: 1233.752+/-0.204 χ^2/NDF:39281.7/22

Left: 1238.371+/-0.143 χ^2/NDF: 243589.6/47

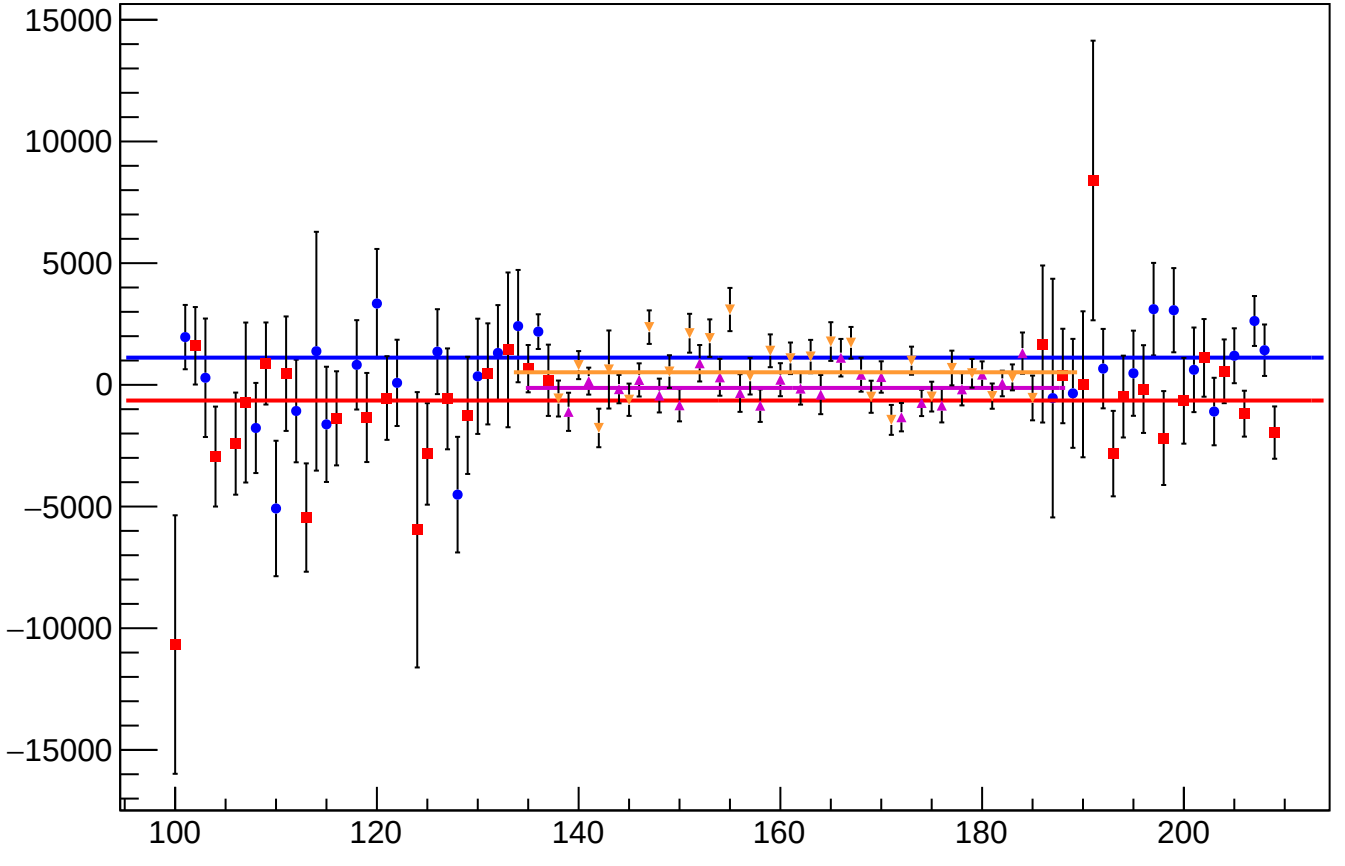
Right: 1264.963+/-0.158 χ^2/NDF: 1029527.1/58

In: 1244.659+/-0.151 χ^2/NDF:579568.9/49

Out: 1255.836+/-0.148 χ^2/NDF:706398.4/56

All: 1250.363+/-0.106 χ^2/NDF: 1288755.9/10

asym_at1_dd_at2_dd_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: 1118.543+/-307.805 χ^2/NDF: 28.0/26

Left Out: 516.811+/-135.747 χ^2/NDF:67.0/24

Right Out: -644.003+/-313.211 χ^2/NDF: 27.9/31

Left In: -126.549+/-137.266 χ^2/NDF:21.6/22

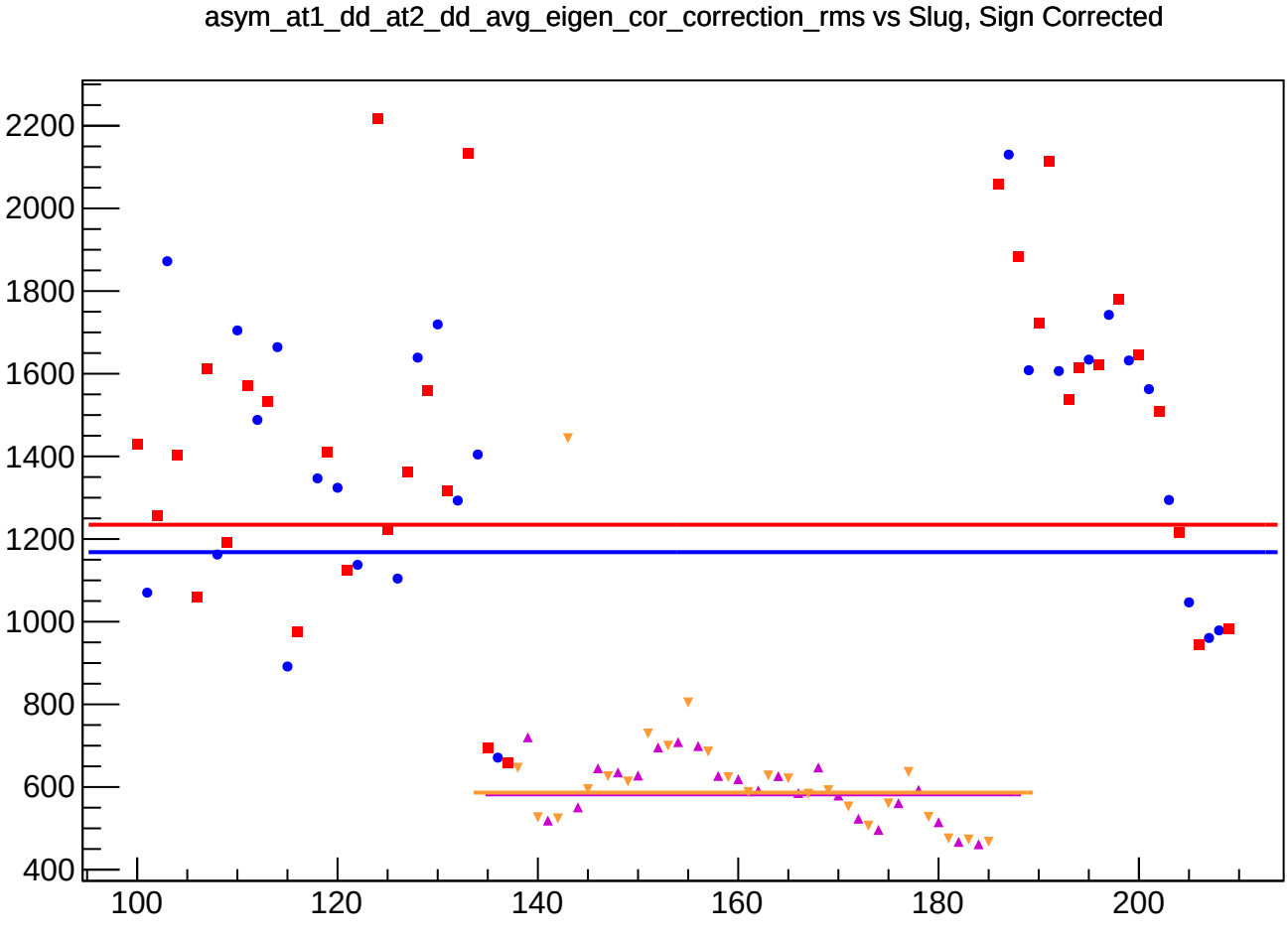
Left: 198.710+/-96.520 χ^2/NDF: 99.7/47

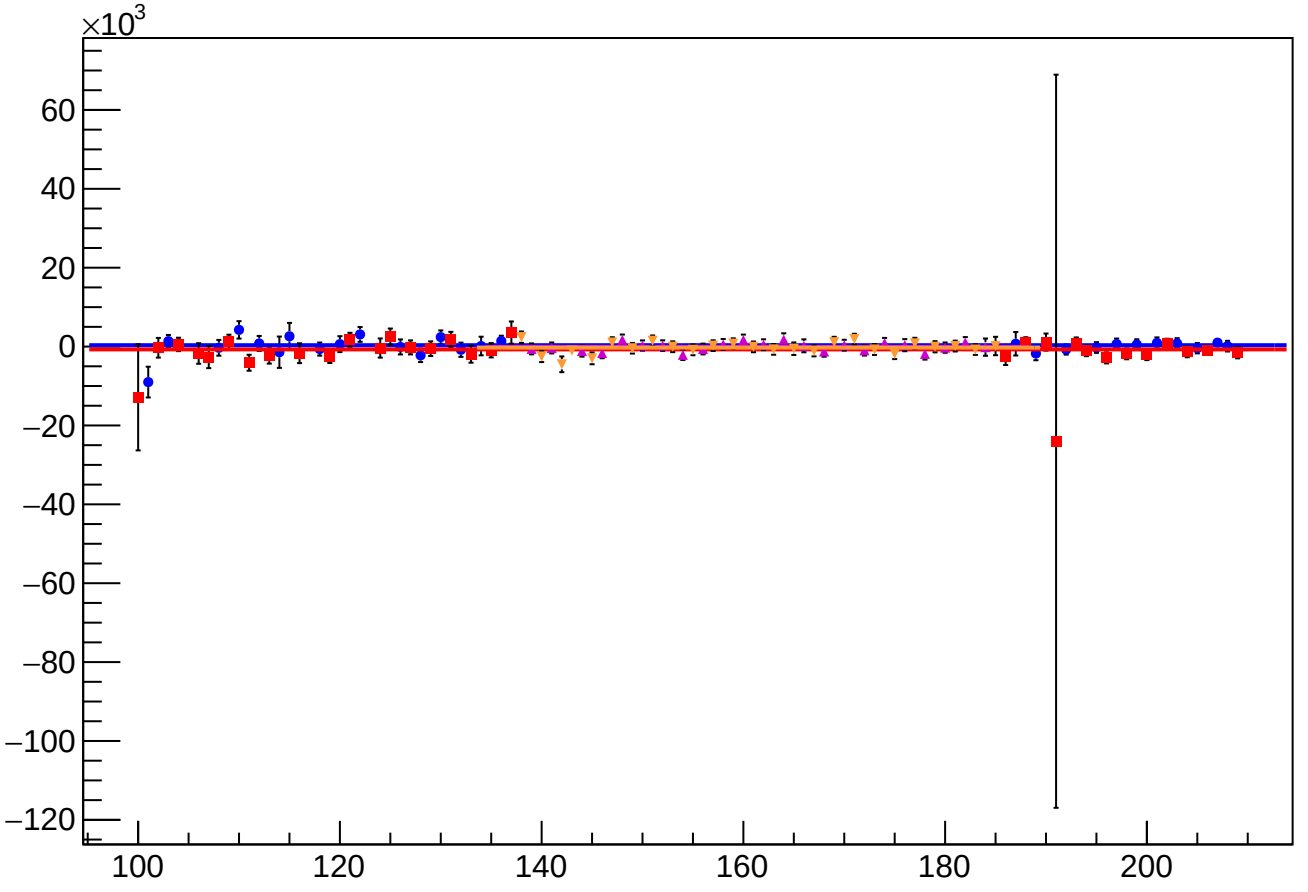
Right: 252.614+/-219.537 χ^2/NDF: 72.0/58

In: 79.990+/-125.365 χ^2/NDF:63.2/49

Out: 333.246+/-124.552 χ^2/NDF:106.5/56

All: 207.442+/-88.358 χ^2/NDF: 171.7/106


asym_at1_dd_at2_dd_avg_eigen_cor_correction_rms vs Slug, Sign Corrected
2200
2000
1800
1600
1400
1200
1000
800
600
400
100
120
140
160
180
200
Right In: 1168.199+/-0.218 χ²/NDF: 2622083.1/26
Left Out: 586.562+/-0.096 χ²/NDF:1202822.0/24
Right Out: 1234.618+/-0.221 χ²/NDF: 2728069.3/31
Left In: 582.189+/-0.097 χ²/NDF:559258.0/22
Left: 584.400+/-0.068 χ²/NDF: 1763106.4/47
Right: 1200.830+/-0.155 χ²/NDF: 5395904.0/58
In: 679.398+/-0.089 χ²/NDF:9228036.0/49
Out: 689.042+/-0.088 χ²/NDF:11139035.5/56
All: 684.251+/-0.062 χ²/NDF: 20373028.6/10



Right In: 348.461+/-320.076 χ^2/NDF: 20.8/26

Left Out: -250.849+/-279.923 χ^2/NDF:24.0/24

Right Out: -716.571+/-310.600 χ^2/NDF: 27.2/31

Left In: -74.881+/-291.458 χ^2/NDF:14.0/22

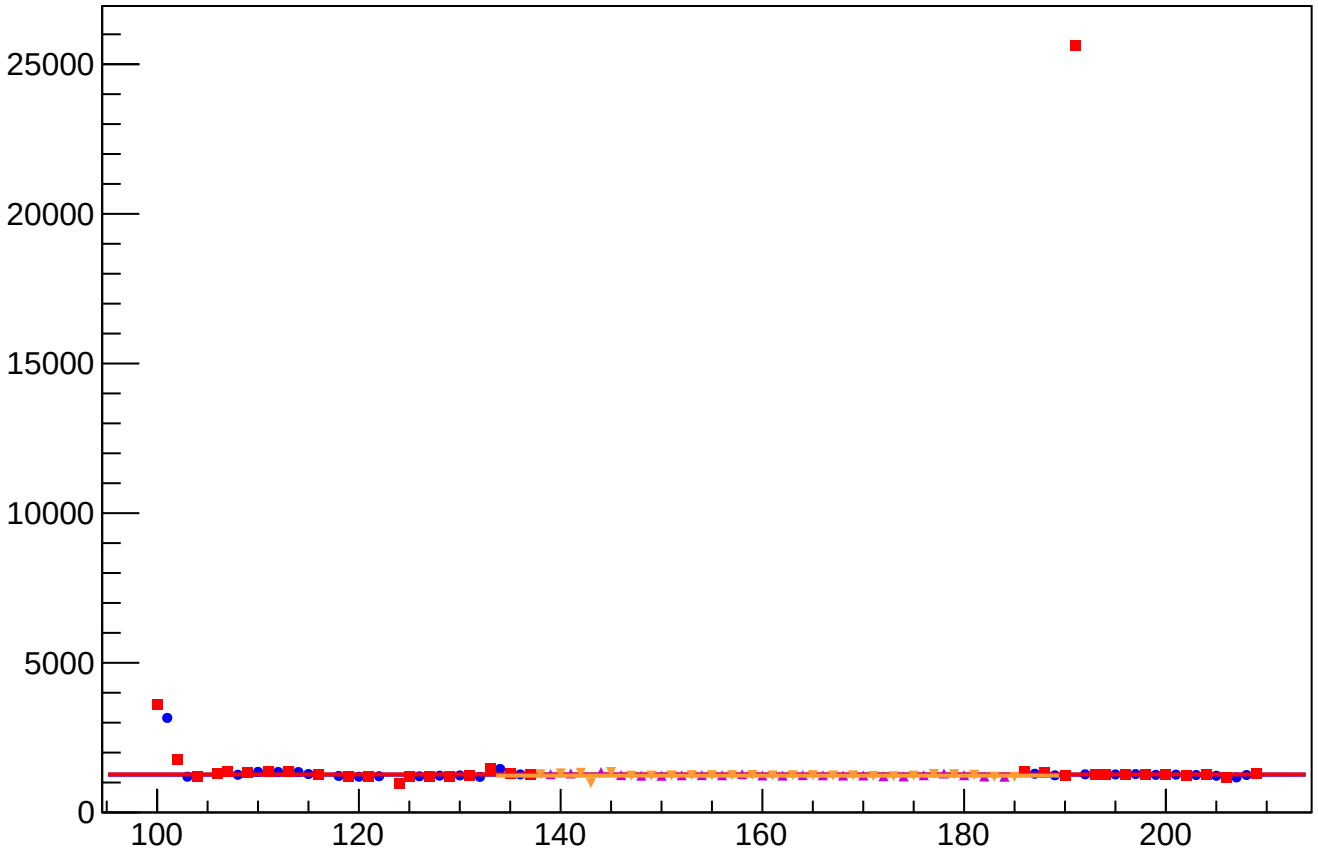
Left: -166.416+/-201.890 χ^2/NDF: 38.2/47

Right: -200.054+/-222.902 χ^2/NDF: 53.7/58

In: 117.022+/-215.501 χ^2/NDF:35.8/49

Out: -459.581+/-207.938 χ^2/NDF:52.5/56

All: -181.575+/-149.636 χ^2/NDF: 92.0/106



Right In: 1262.595+/-0.226 χ^2/NDF: 523974.4/26

Left Out: 1229.986+/-0.198 χ^2/NDF:141607.5/24

Right Out: 1269.965+/-0.220 χ^2/NDF: 385044.5/31

Left In: 1247.785+/-0.206 χ^2/NDF:27340.8/22

Left: 1238.526+/-0.143 χ^2/NDF: 172828.2/47

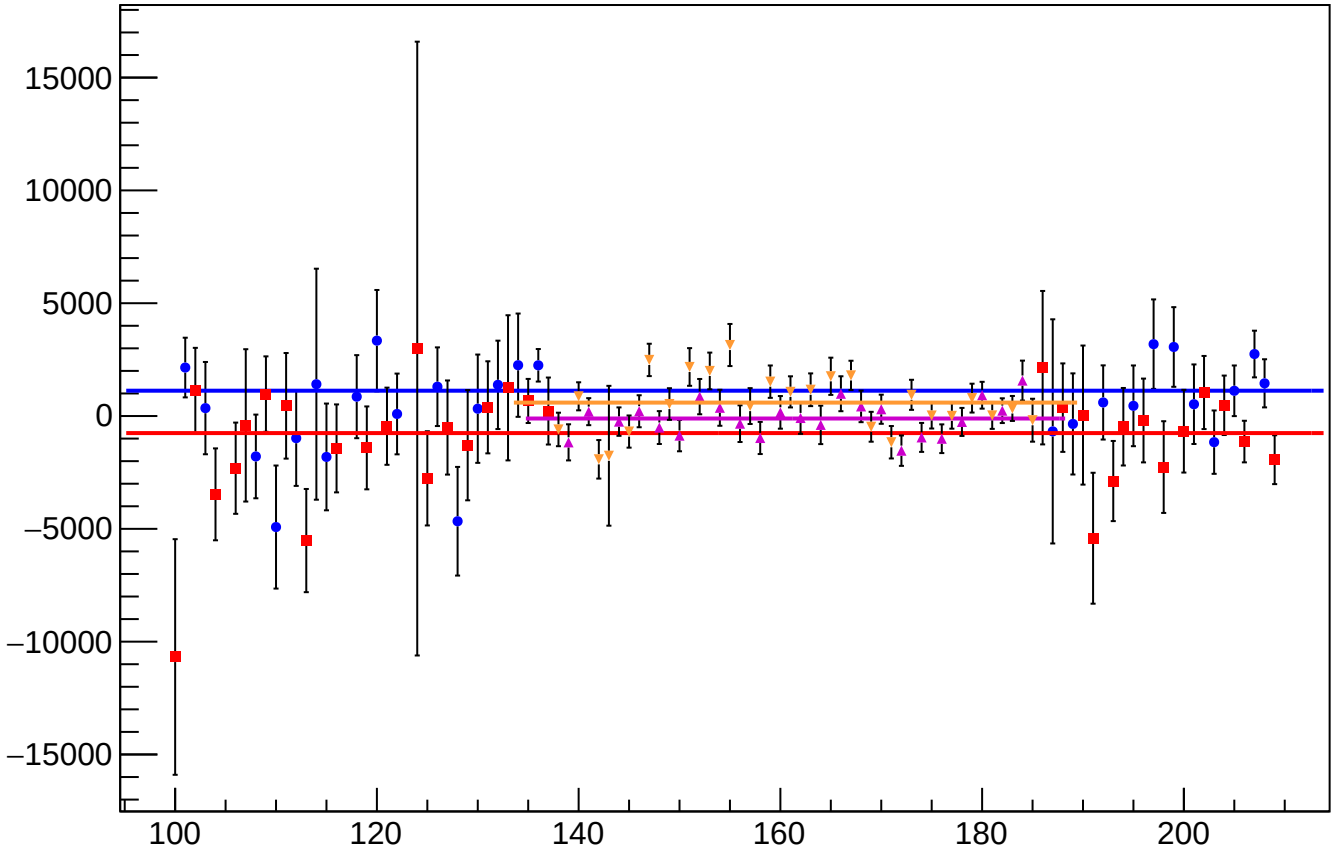
Right: 1266.390+/-0.158 χ^2/NDF: 909565.1/58

In: 1254.498+/-0.152 χ^2/NDF:553655.9/49

Out: 1247.904+/-0.147 χ^2/NDF:544936.1/56

All: 1251.084+/-0.106 χ^2/NDF: 1099561.8/10

asym_at1_dd_at2_dd_avg_dit_correction_mean vs Slug, Sign Corrected



Right In: 1122.509+/-309.127 χ^2/NDF: 29.0/26

Left Out: 595.000+/-142.130 χ^2/NDF:57.3/24

Right Out: -755.952+/-315.740 χ^2/NDF: 26.5/31

Left In: -110.252+/-144.232 χ^2/NDF:25.7/22

Left: 247.550+/-101.236 χ^2/NDF: 95.2/47

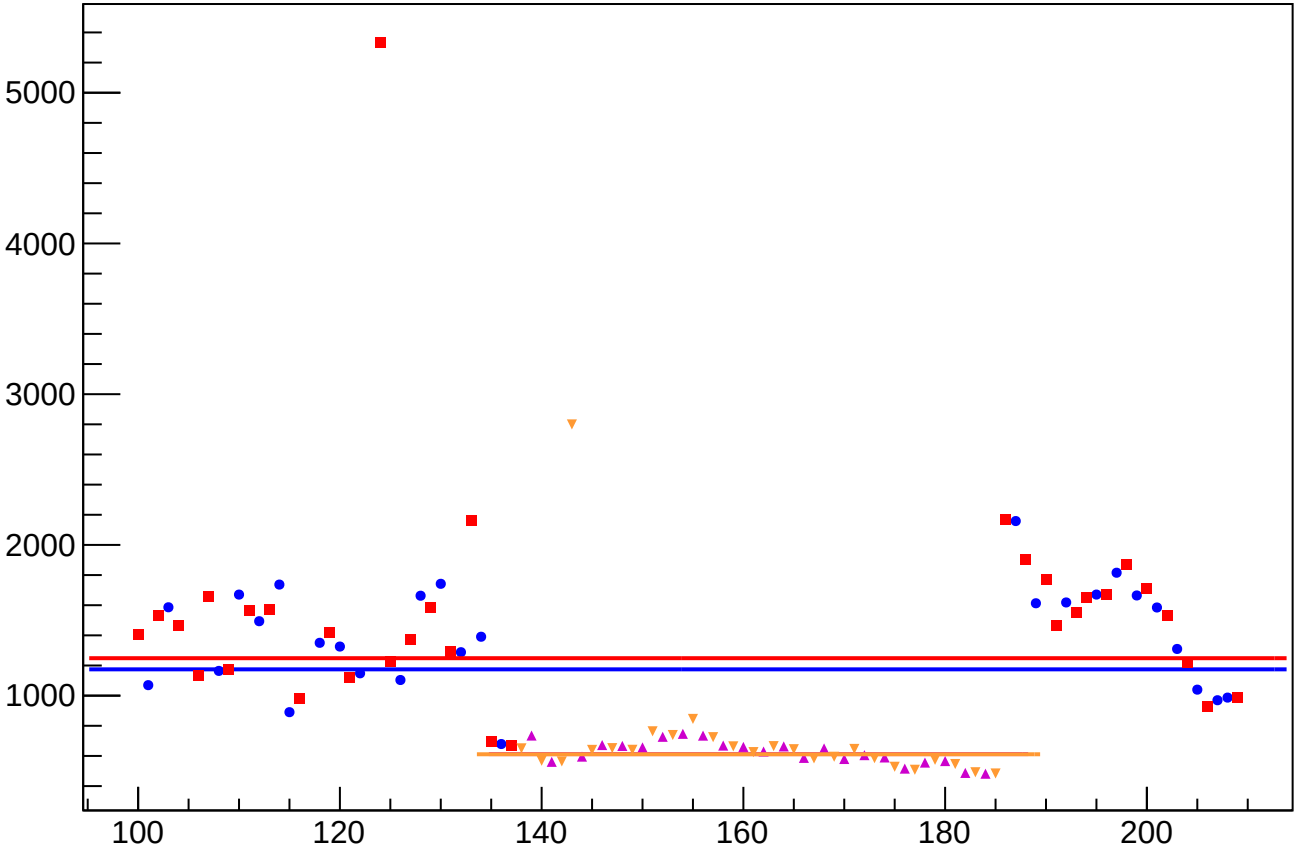
Right: 203.154+/-220.887 χ^2/NDF: 73.6/58

In: 110.138+/-130.705 χ^2/NDF:67.8/49

Out: 367.374+/-129.605 χ^2/NDF:99.1/56

All: 239.843+/-92.031 χ^2/NDF: 168.8/106

asym_at1_dd_at2_dd_avg_dit_correction_rms vs Slug, Sign Corrected



Right In: 1174.511+/-0.219 χ^2/NDF: 2565824.2/26

Left Out: 611.087+/-0.101 χ^2/NDF:1619322.3/24

Right Out: 1248.462+/-0.223 χ^2/NDF: 3024179.3/31

Left In: 612.399+/-0.102 χ^2/NDF:508595.4/22

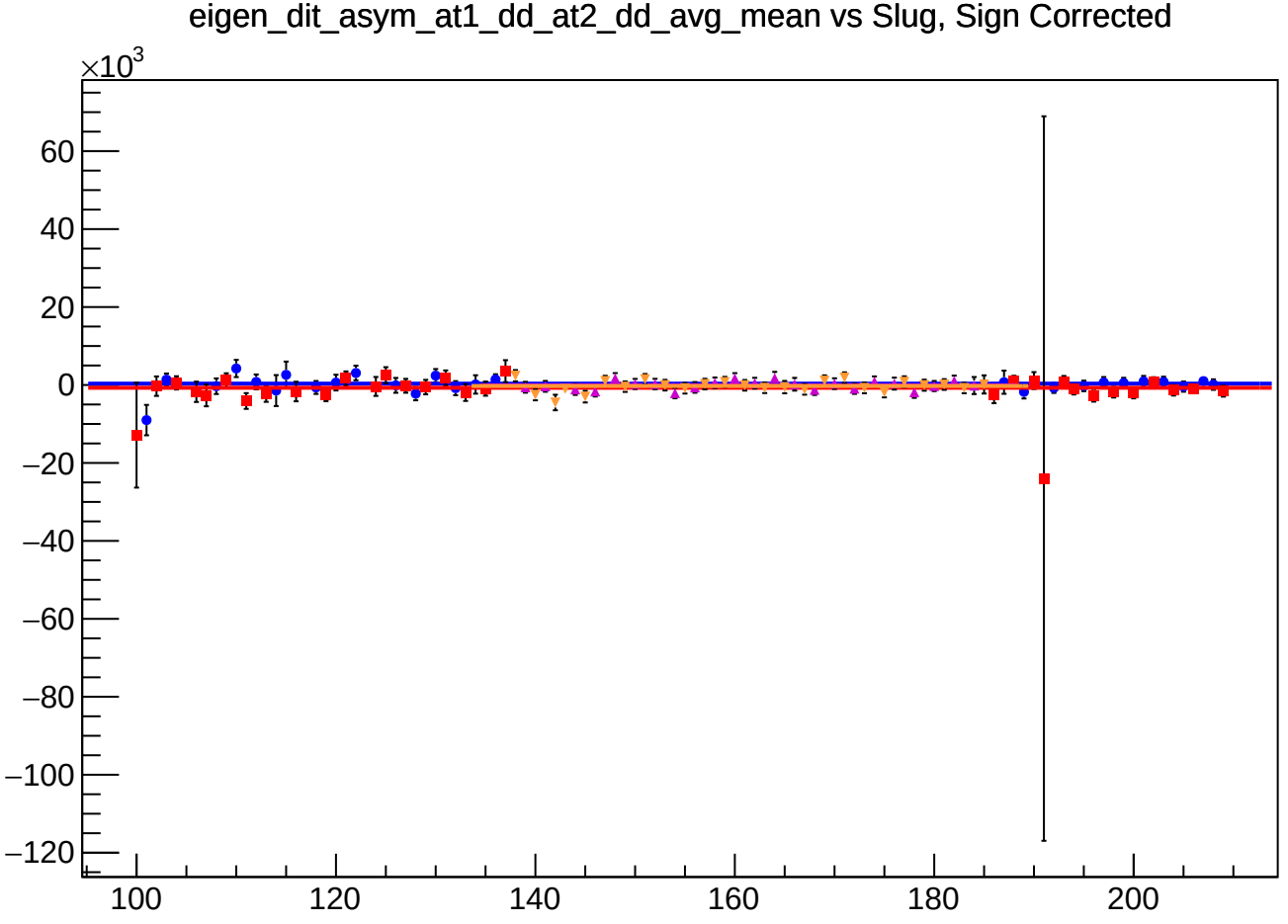
Left: 611.733+/-0.072 χ^2/NDF: 2128001.7/47

Right: 1210.704+/-0.156 χ^2/NDF: 5646020.4/58

In: 712.892+/-0.092 χ^2/NDF:8505206.1/49

Out: 718.480+/-0.092 χ^2/NDF:11420350.9/56

All: 715.709+/-0.065 χ^2/NDF: 19927400.4/10



Right In: 348.460+/-320.076 χ^2/NDF: 20.8/26

Left Out: -250.851+/-279.923 χ^2/NDF:24.0/24

Right Out: -716.571+/-310.600 χ^2/NDF: 27.2/31

Left In: -74.881+/-291.458 χ^2/NDF:14.0/22

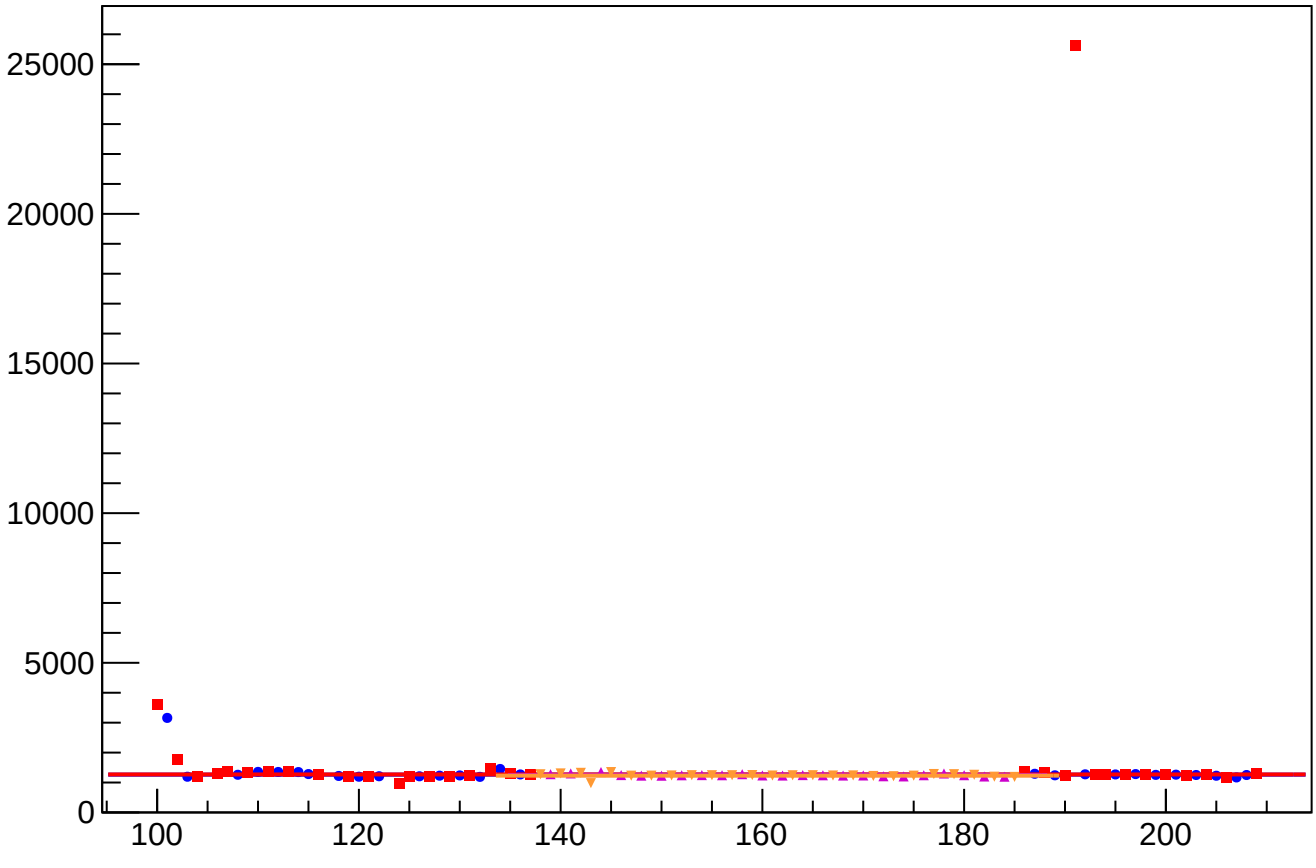
Left: -166.417+/-201.890 χ^2/NDF: 38.2/47

Right: -200.054+/-222.902 χ^2/NDF: 53.7/58

In: 117.021+/-215.501 χ^2/NDF:35.8/49

Out: -459.582+/-207.938 χ^2/NDF:52.5/56

All: -181.576+/-149.636 χ^2/NDF: 92.0/106



Right In: 1262.595+/-0.226 χ^2/NDF: 523974.5/26

Left Out: 1229.986+/-0.198 χ^2/NDF:141606.6/24

Right Out: 1269.965+/-0.220 χ^2/NDF: 385044.3/31

Left In: 1247.785+/-0.206 χ^2/NDF:27340.7/22

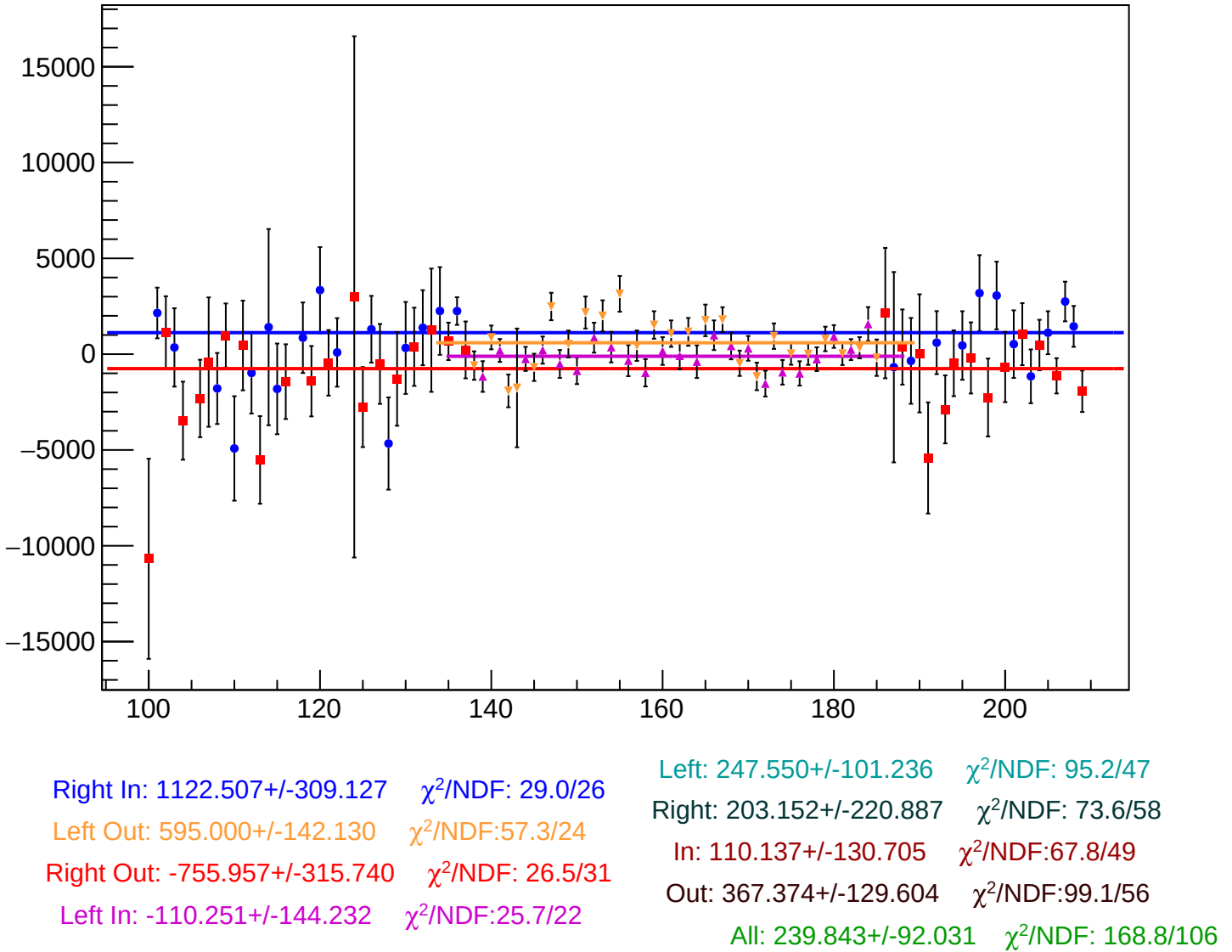
Left: 1238.526+/-0.143 χ^2/NDF: 172827.1/47

Right: 1266.390+/-0.158 χ^2/NDF: 909565.0/58

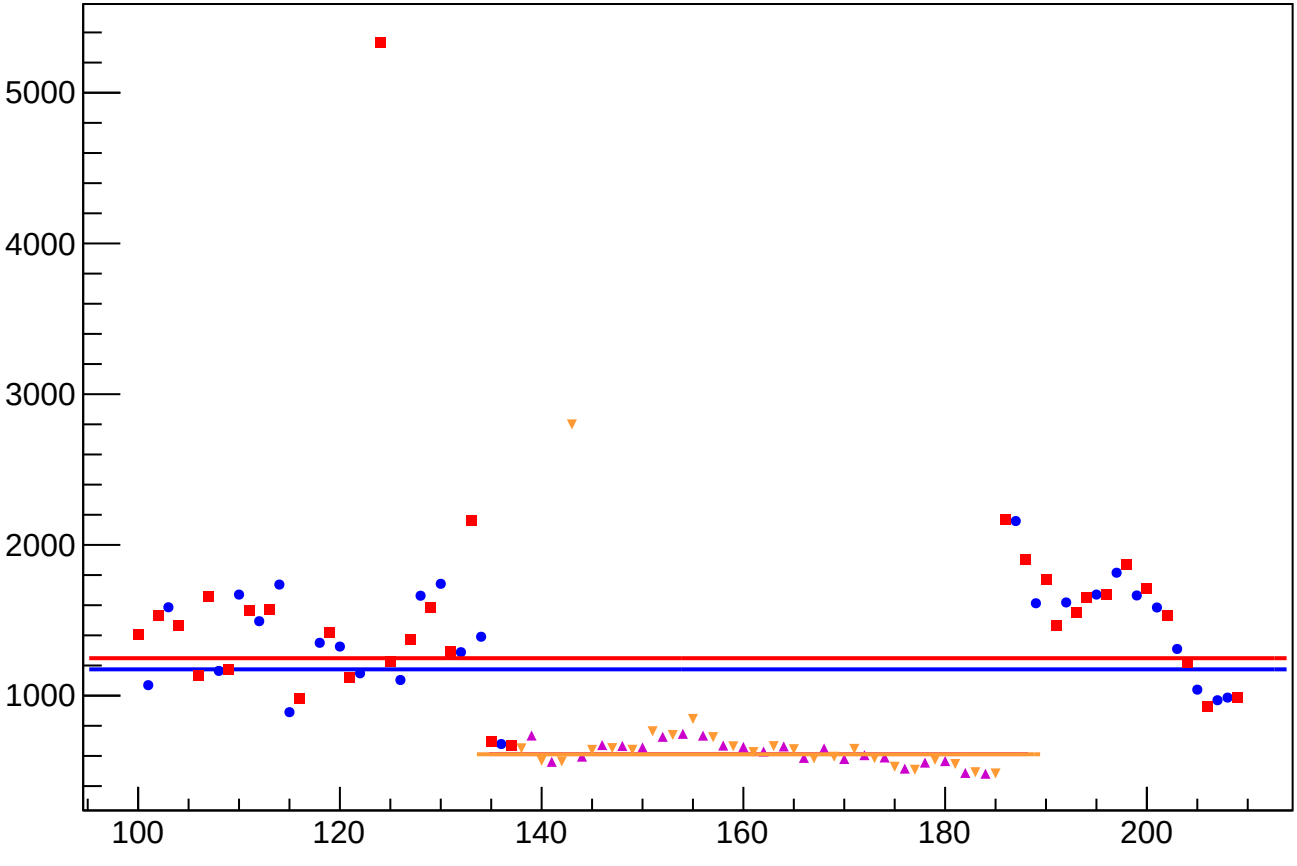
In: 1254.498+/-0.152 χ^2/NDF:553655.9/49

Out: 1247.904+/-0.147 χ^2/NDF:544935.0/56

All: 1251.083+/-0.106 χ^2/NDF: 1099560.7/10


asym_at1_dd_at2_dd_avg_eigen_dit_correction_mean vs Slug, Sign Corrected
15000
10000
5000
0
−5000
−10000
−15000
100
120
140
160
180
200
Right In: 1122.507+/-309.127 χ²/NDF: 29.0/26
Left Out: 595.000+/-142.130 χ²/NDF:57.3/24
Right Out: -755.957+/-315.740 χ²/NDF: 26.5/31
Left In: -110.251+/-144.232 χ²/NDF:25.7/22
Left: 247.550+/-101.236 χ²/NDF: 95.2/47
Right: 203.152+/-220.887 χ²/NDF: 73.6/58
In: 110.137+/-130.705 χ²/NDF:67.8/49
Out: 367.374+/-129.604 χ²/NDF:99.1/56
All: 239.843+/-92.031 χ²/NDF: 168.8/106

asym_at1_dd_at2_dd_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 1174.513+/-0.219 χ^2/NDF: 2565767.1/26

Left Out: 611.086+/-0.101 χ^2/NDF:1619319.5/24

Right Out: 1248.465+/-0.223 χ^2/NDF: 3024123.3/31

Left In: 612.398+/-0.102 χ^2/NDF:508597.7/22

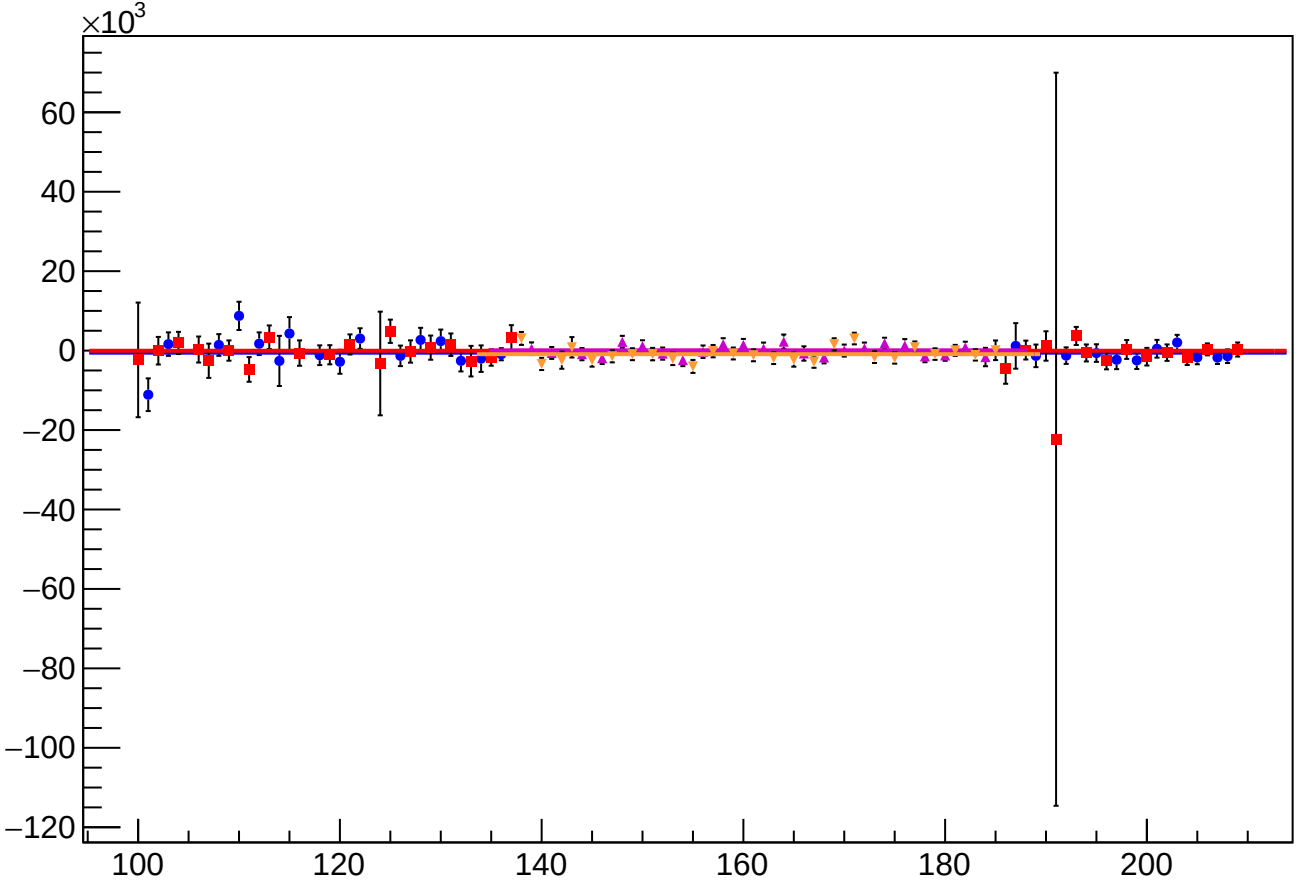
Left: 611.733+/-0.072 χ^2/NDF: 2128001.1/47

Right: 1210.706+/-0.156 χ^2/NDF: 5645909.2/58

In: 712.891+/-0.092 χ^2/NDF:8505195.2/49

Out: 718.480+/-0.092 χ^2/NDF:11420346.3/56

All: 715.709+/-0.065 χ^2/NDF: 19927385.2/10



Right In: -515.327+/-469.100 χ^2/NDF: 27.0/26

Left Out: -899.894+/-316.449 χ^2/NDF:29.8/24

Right Out: -37.371+/-465.486 χ^2/NDF: 17.3/31

Left In: 48.178+/-320.929 χ^2/NDF:17.9/22

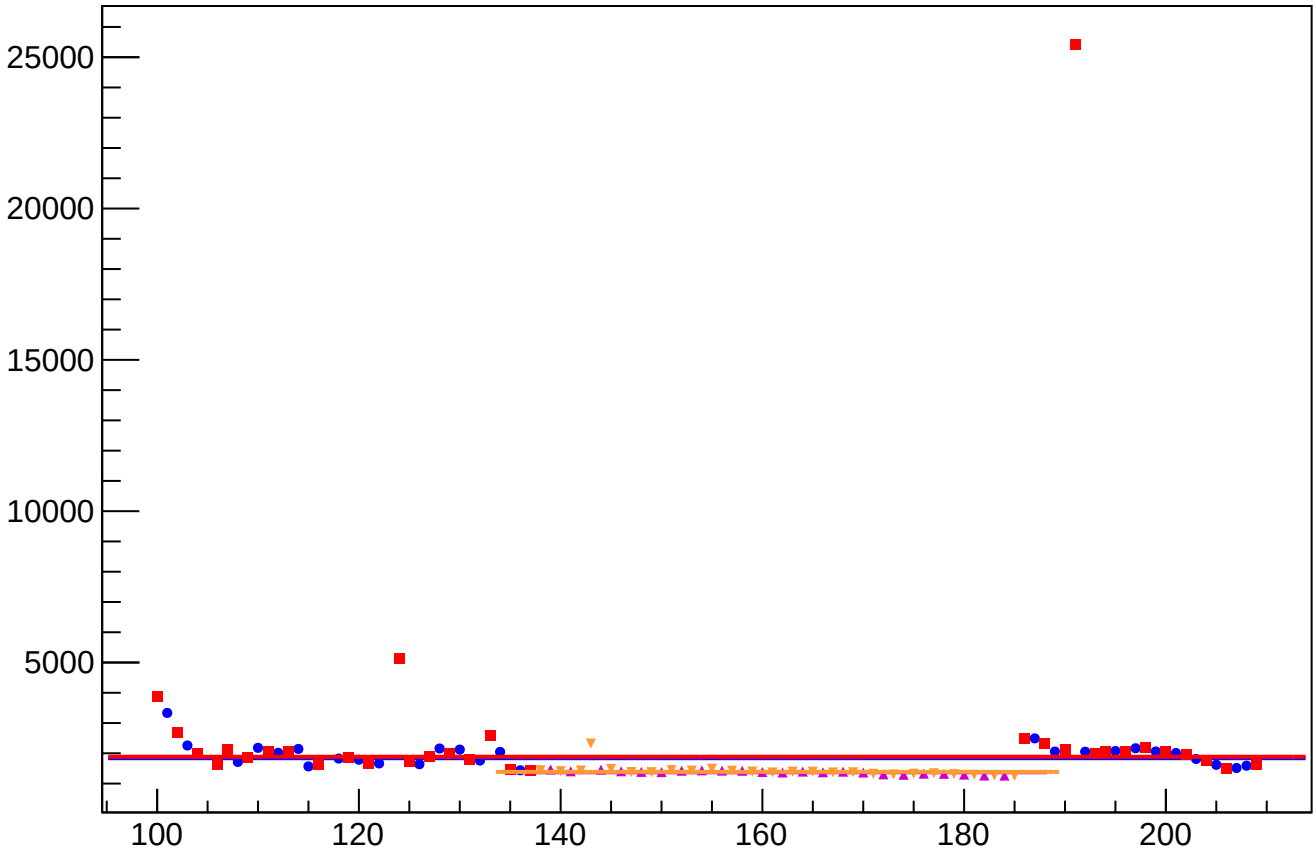
Left: -432.522+/-225.330 χ^2/NDF: 52.1/47

Right: -274.501+/-330.419 χ^2/NDF: 44.8/58

In: -131.479+/-264.874 χ^2/NDF:45.8/49

Out: -627.268+/-261.701 χ^2/NDF:49.4/56

All: -382.361+/-186.162 χ^2/NDF: 97.0/106



Right In: 1838.153+/-0.332 χ^2/NDF: 863262.8/26

Left Out: 1386.845+/-0.224 χ^2/NDF:339794.5/24

Right Out: 1886.370+/-0.329 χ^2/NDF: 1038495.5/31

Left In: 1373.217+/-0.227 χ^2/NDF:64467.6/22

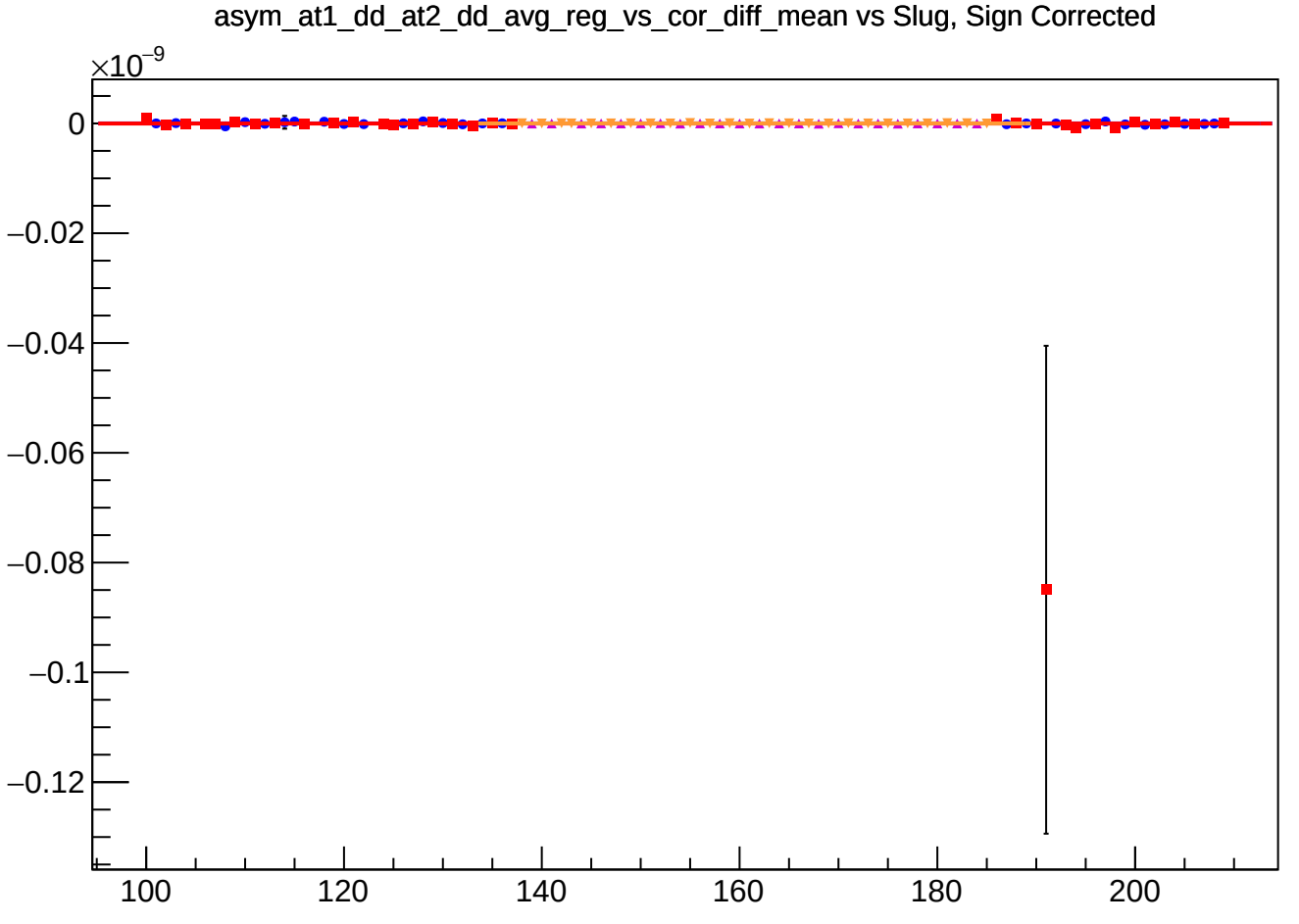
Left: 1380.126+/-0.159 χ^2/NDF: 406090.7/47

Right: 1862.448+/-0.234 χ^2/NDF: 1912405.0/58

In: 1521.448+/-0.187 χ^2/NDF:2266010.4/49

Out: 1544.736+/-0.185 χ^2/NDF:2953501.0/56

All: 1533.232+/-0.132 χ^2/NDF: 5227334.6/10



Right In: 0.000+/-0.000 χ^2/NDF: 23.0/26

Left Out: 0.000+/-0.000 χ^2/NDF:24.8/24

Right Out: -0.000+/-0.000 χ^2/NDF: 46.6/31

Left In: 0.000+/-0.000 χ^2/NDF:13.5/22

Left: 0.000+/-0.000 χ^2/NDF: 38.4/47

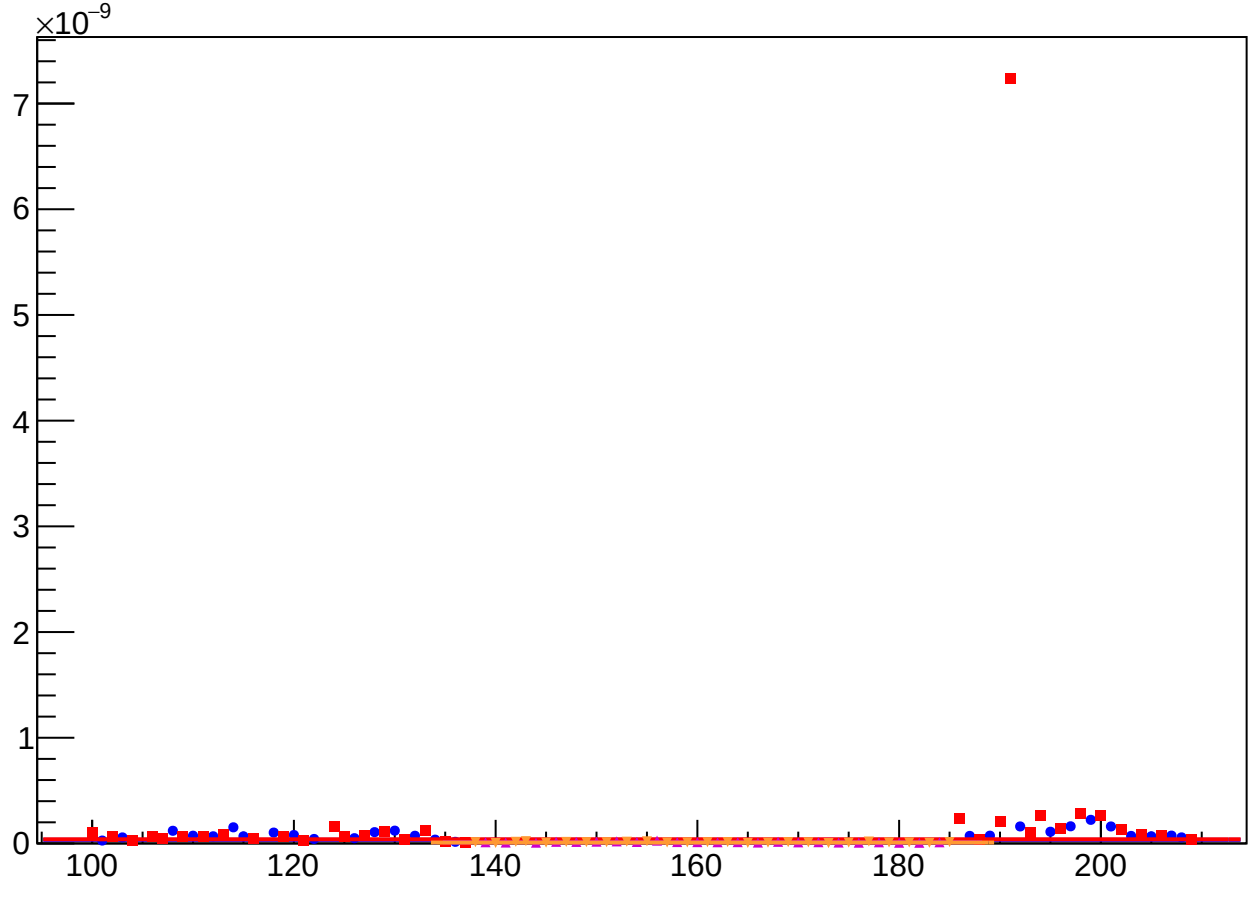
Right: -0.000+/-0.000 χ^2/NDF: 70.5/58

In: 0.000+/-0.000 χ^2/NDF:36.6/49

Out: 0.000+/-0.000 χ^2/NDF:72.4/56

All: 0.000+/-0.000 χ^2/NDF: 109.0/106

asym_at1_dd_at2_dd_avg_reg_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 6001472.5/26

Left Out: 0.000+/-0.000 χ^2/NDF:2148494.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 6427117.5/31

Left In: 0.000+/-0.000 χ^2/NDF:1232395.4/22

Left: 0.000+/-0.000 χ^2/NDF: 3597627.7/47

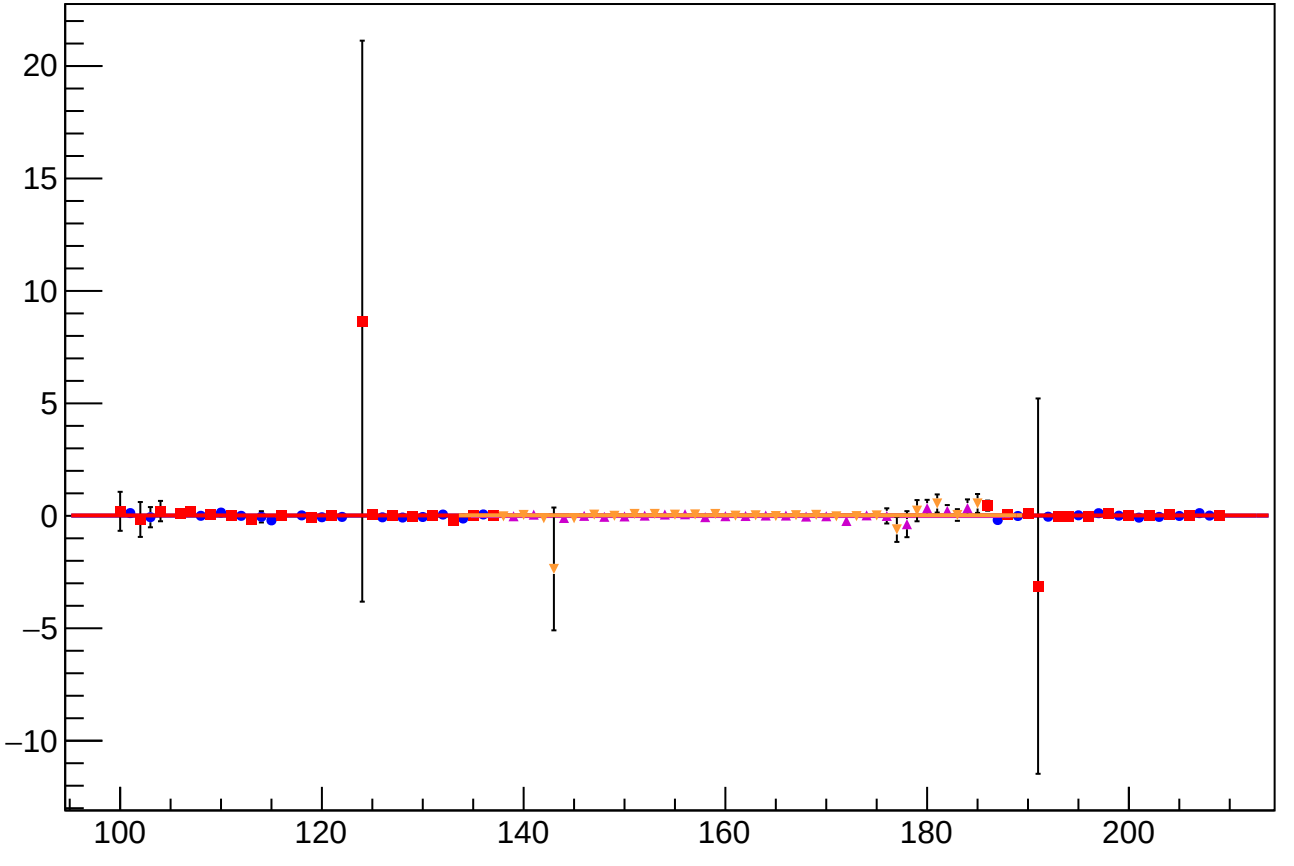
Right: 0.000+/-0.000 χ^2/NDF: 12504220.8/58

In: 0.000+/-0.000 χ^2/NDF:10682381.3/49

Out: 0.000+/-0.000 χ^2/NDF:13375941.1/56

All: 0.000+/-0.000 χ^2/NDF: 24354555.5/106

asym_at1_dd_at2_dd_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.009+/-0.010 χ^2/NDF: 42.1/26

Left Out: 0.023+/-0.010 χ^2/NDF:22.8/24

Right Out: 0.018+/-0.011 χ^2/NDF: 22.5/31

Left In: -0.010+/-0.010 χ^2/NDF:14.8/22

Left: 0.006+/-0.007 χ^2/NDF: 43.0/47

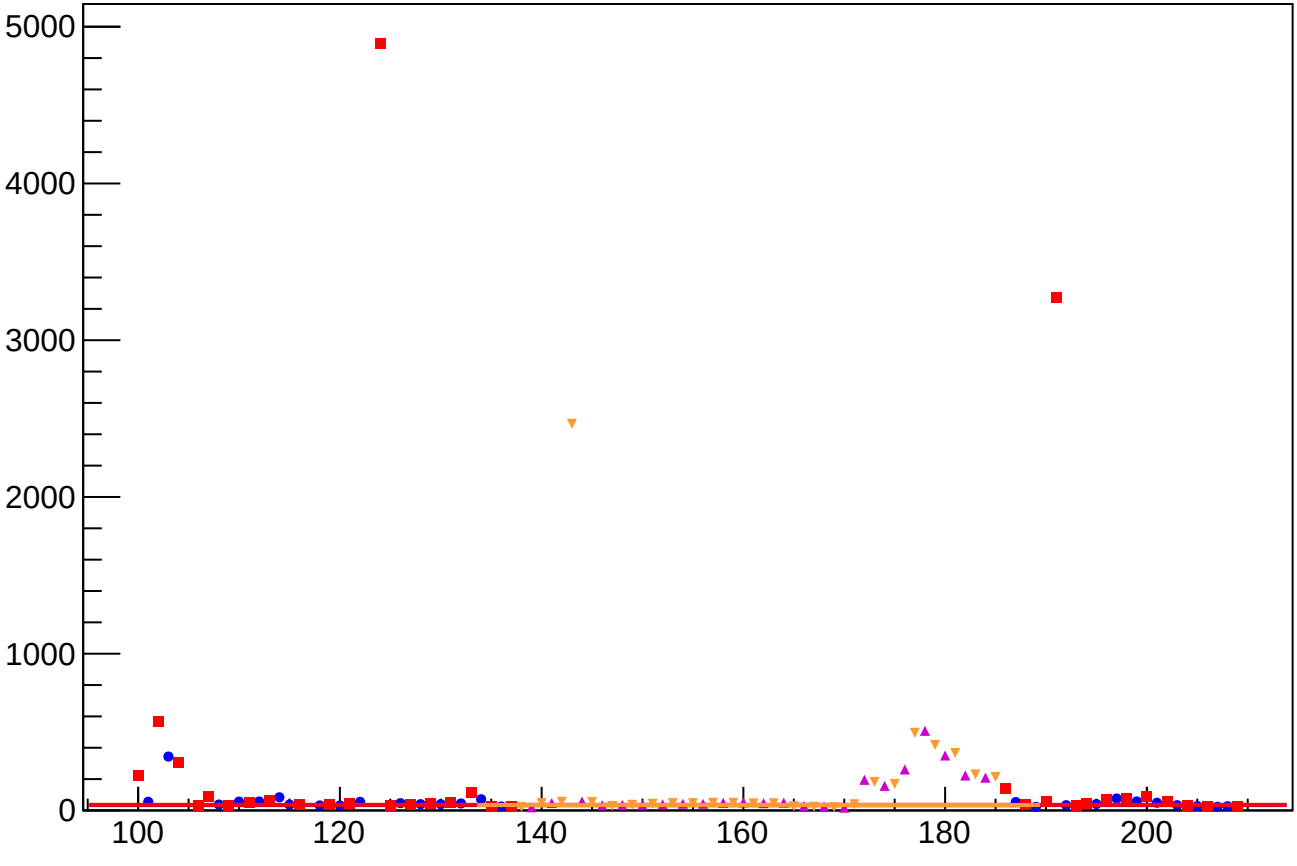
Right: 0.013+/-0.007 χ^2/NDF: 65.0/58

In: -0.001+/-0.007 χ^2/NDF:58.6/49

Out: 0.021+/-0.007 χ^2/NDF:45.5/56

All: 0.010+/-0.005 χ^2/NDF: 108.4/106

asym_at1_dd_at2_dd_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 34.255+/-0.007 χ^2/NDF: 3560645.4/26

Left Out: 34.624+/-0.007 χ^2/NDF:11402451.4/24

Right Out: 35.974+/-0.007 χ^2/NDF: 6336516.0/31

Left In: 33.592+/-0.007 χ^2/NDF:10067466.4/22

Left: 34.094+/-0.005 χ^2/NDF: 21480396.5/47

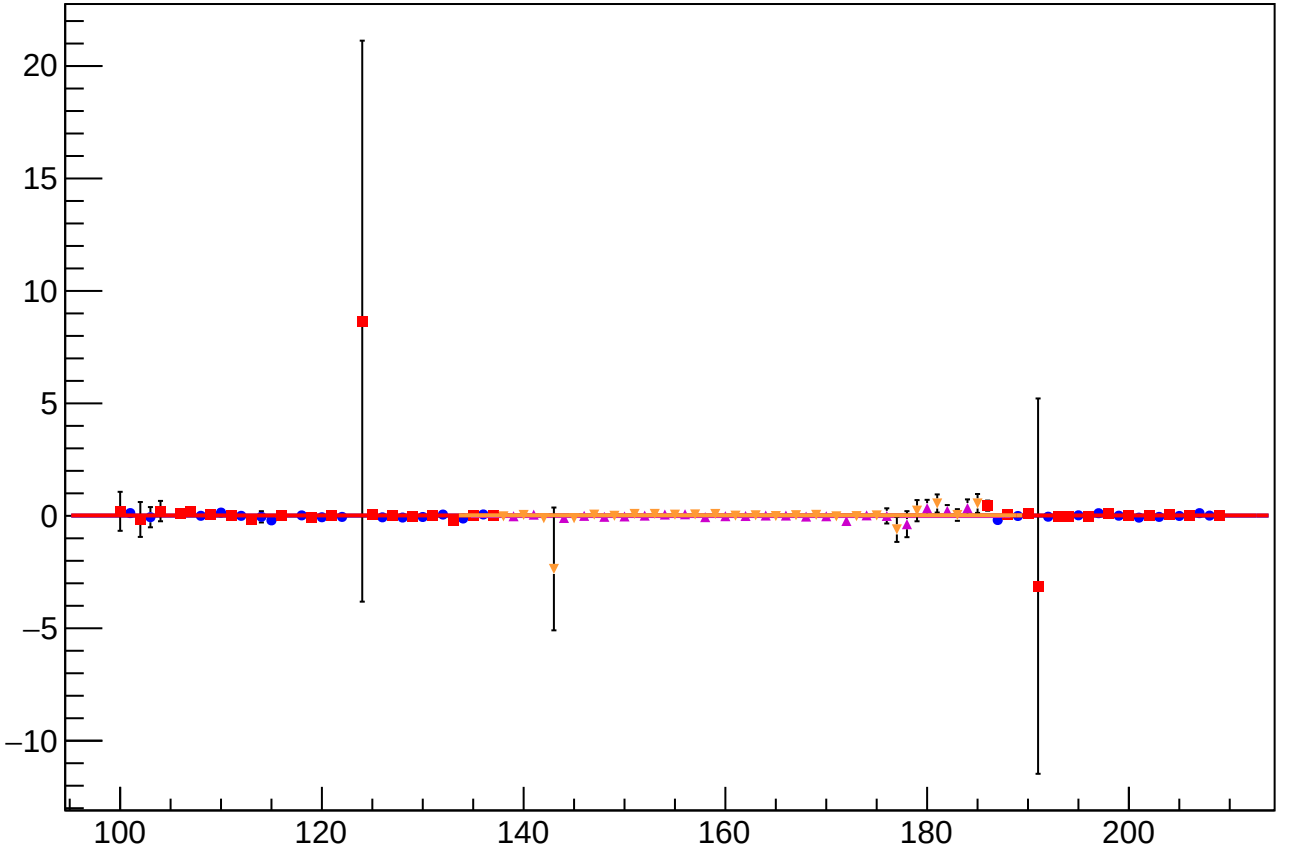
Right: 35.071+/-0.005 χ^2/NDF: 9925167.2/58

In: 33.922+/-0.005 χ^2/NDF:13632526.7/49

Out: 35.278+/-0.005 χ^2/NDF:17755932.0/56

All: 34.574+/-0.004 χ^2/NDF: 31424021.7/106

asym_at1_dd_at2_dd_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.009+/-0.010 χ^2/NDF: 42.1/26

Left Out: 0.023+/-0.010 χ^2/NDF:22.8/24

Right Out: 0.018+/-0.011 χ^2/NDF: 22.5/31

Left In: -0.010+/-0.010 χ^2/NDF:14.8/22

Left: 0.006+/-0.007 χ^2/NDF: 43.0/47

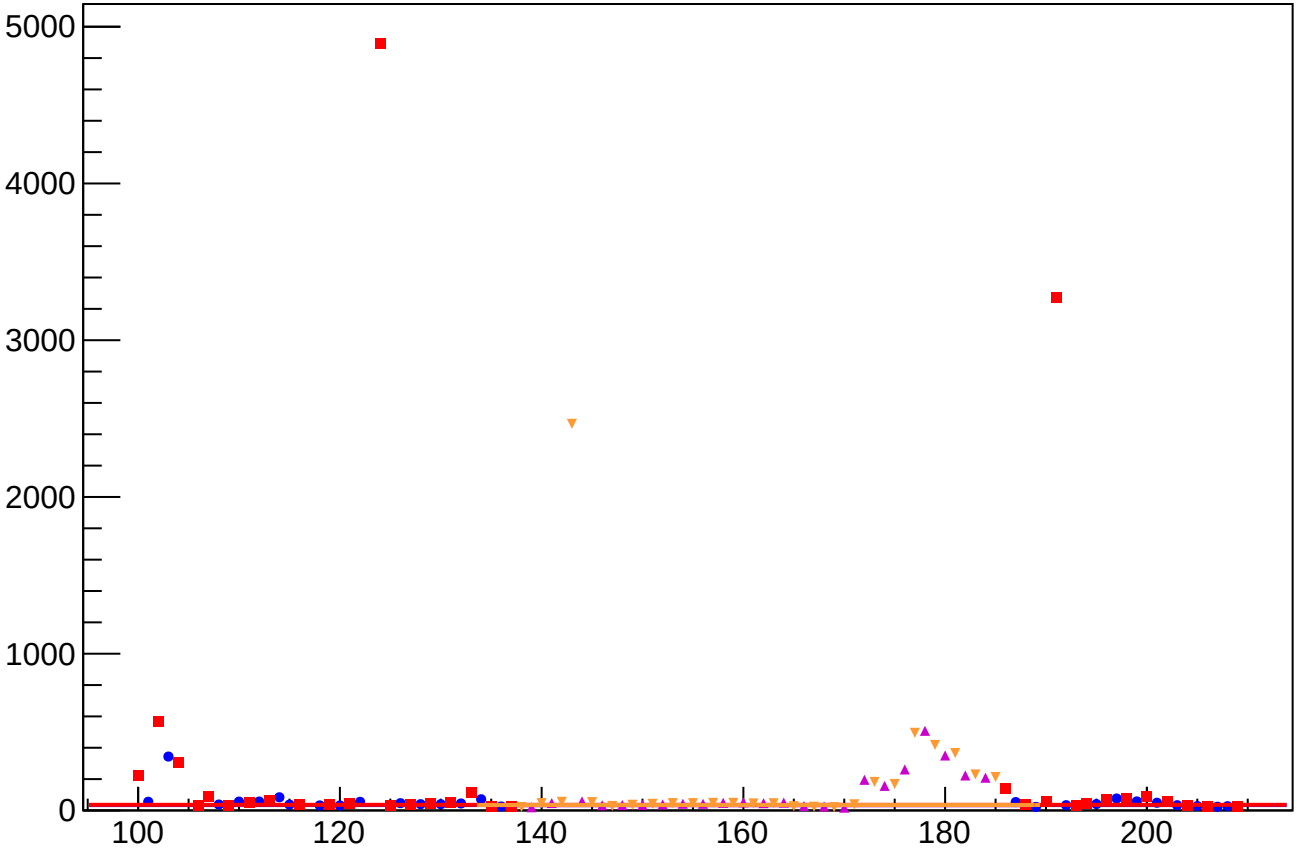
Right: 0.013+/-0.007 χ^2/NDF: 65.0/58

In: -0.001+/-0.007 χ^2/NDF:58.6/49

Out: 0.021+/-0.007 χ^2/NDF:45.5/56

All: 0.010+/-0.005 χ^2/NDF: 108.4/106

asym_at1_dd_at2_dd_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 34.255+/-0.007 χ^2/NDF: 3560645.4/26

Left Out: 34.624+/-0.007 χ^2/NDF:11402451.4/24

Right Out: 35.974+/-0.007 χ^2/NDF: 6336516.0/31

Left In: 33.592+/-0.007 χ^2/NDF:10067466.4/22

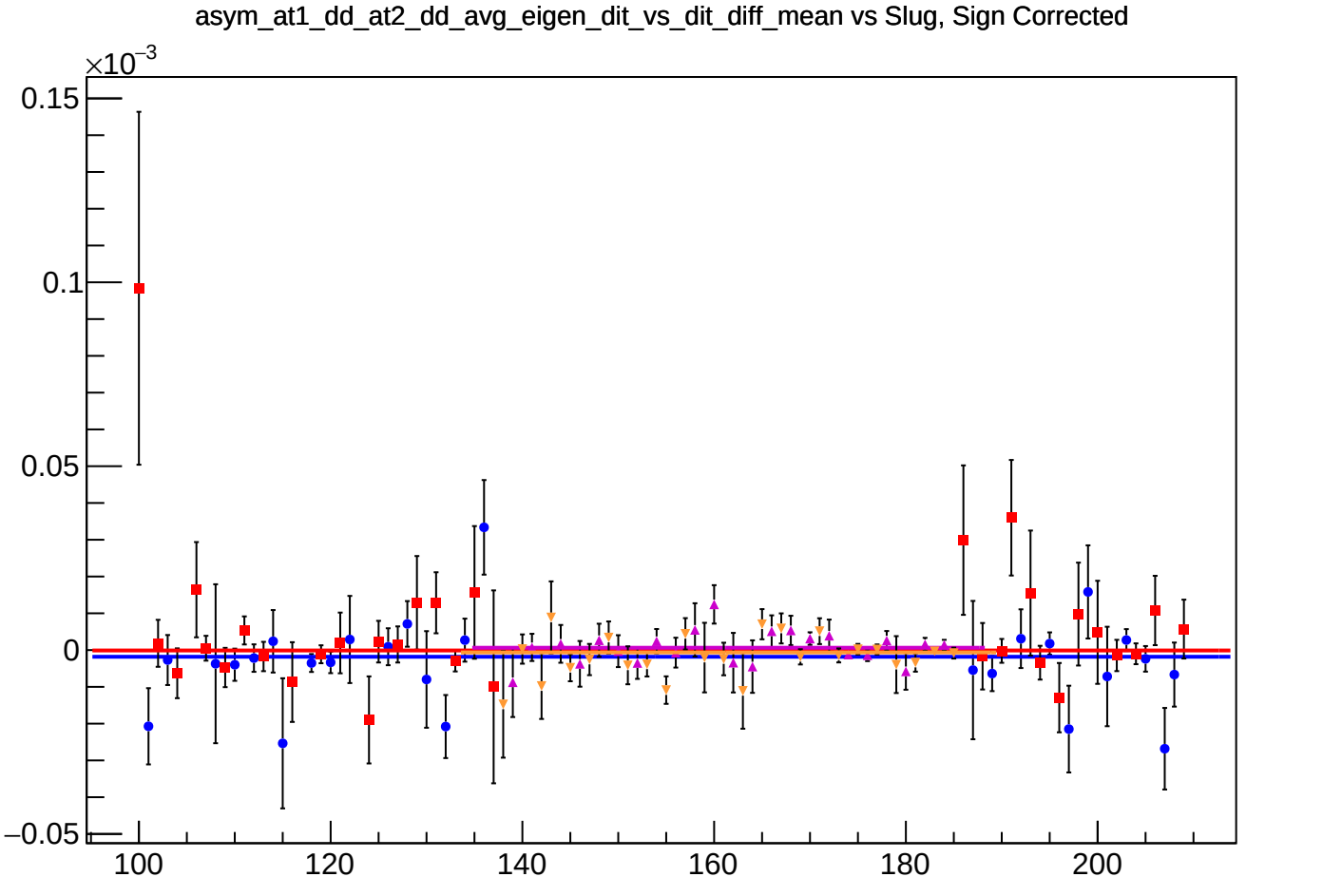
Left: 34.094+/-0.005 χ^2/NDF: 21480396.5/47

Right: 35.071+/-0.005 χ^2/NDF: 9925167.2/58

In: 33.922+/-0.005 χ^2/NDF:13632526.7/49

Out: 35.278+/-0.005 χ^2/NDF:17755932.0/56

All: 34.574+/-0.004 χ^2/NDF: 31424021.7/106



Right In: -0.000+/-0.000 χ^2/NDF: 37.5/26

Left Out: -0.000+/-0.000 χ^2/NDF:28.4/24

Right Out: -0.000+/-0.000 χ^2/NDF: 32.3/31

Left In: 0.000+/-0.000 χ^2/NDF:21.9/22

Left: -0.000+/-0.000 χ^2/NDF: 53.2/47

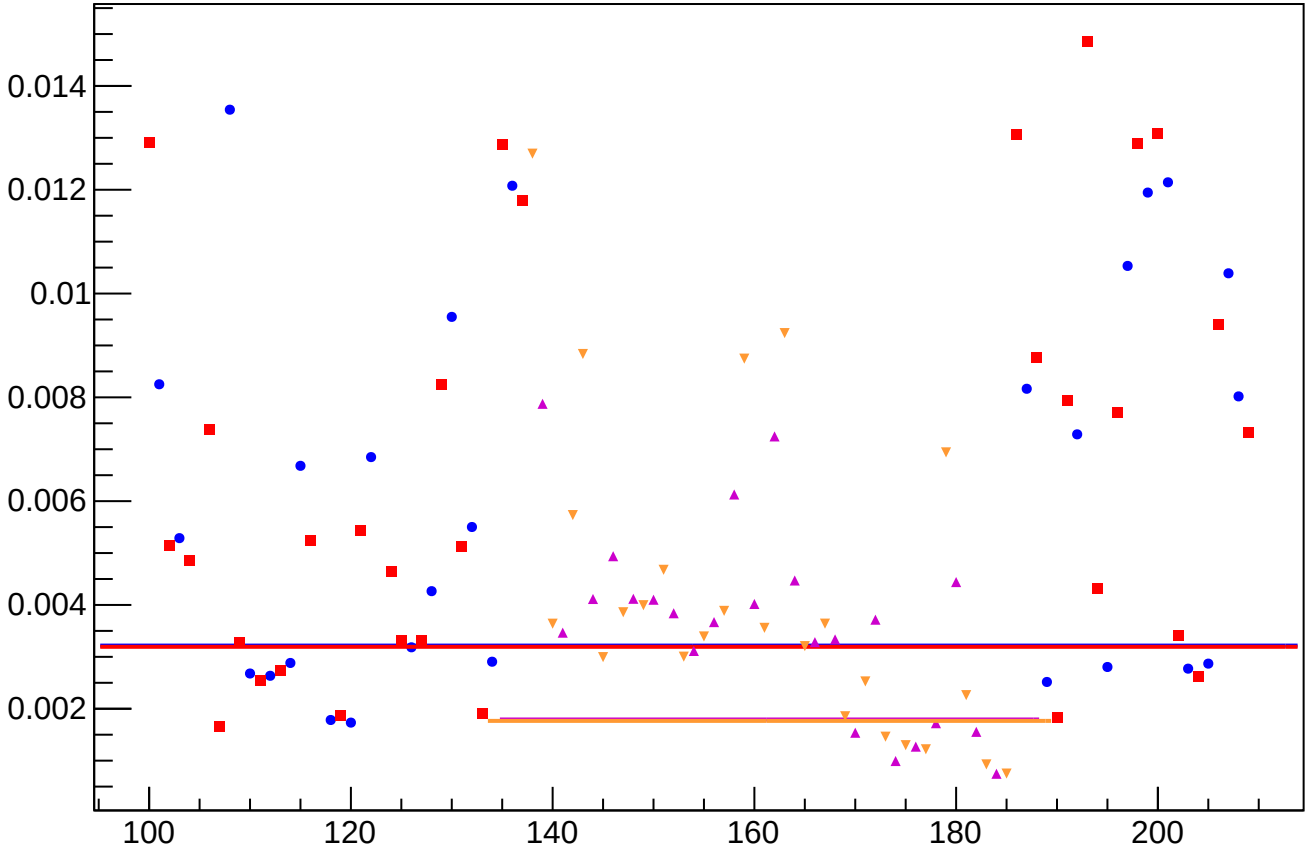
Right: -0.000+/-0.000 χ^2/NDF: 71.3/58

In: 0.000+/-0.000 χ^2/NDF:64.0/49

Out: -0.000+/-0.000 χ^2/NDF:60.9/56

All: -0.000+/-0.000 χ^2/NDF: 125.7/106

asym_at1_dd_at2_dd_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.003+/-0.000 χ^2/NDF: 9130058.9/26

Left Out: 0.002+/-0.000 χ^2/NDF:12926339.2/24

Right Out: 0.003+/-0.000 χ^2/NDF: 10298042.8/31

Left In: 0.002+/-0.000 χ^2/NDF:10766932.4/22

Left: 0.002+/-0.000 χ^2/NDF: 23695843.2/47

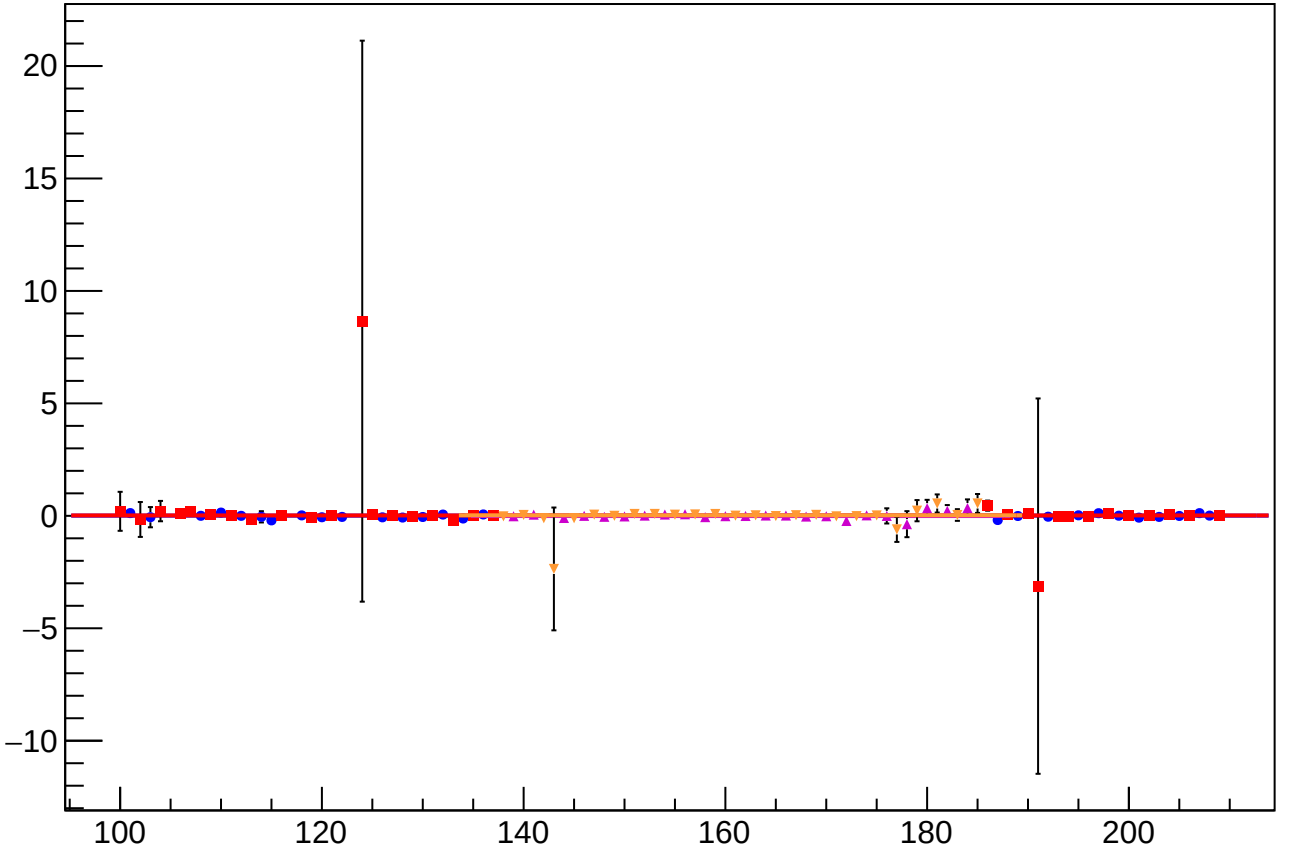
Right: 0.003+/-0.000 χ^2/NDF: 19428669.1/58

In: 0.002+/-0.000 χ^2/NDF:23006069.7/49

Out: 0.002+/-0.000 χ^2/NDF:26747666.7/56

All: 0.002+/-0.000 χ^2/NDF: 49757107.3/106

asym_at1_dd_at2_dd_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.009+/-0.010 χ^2/NDF: 42.1/26

Left Out: 0.023+/-0.010 χ^2/NDF:22.8/24

Right Out: 0.018+/-0.011 χ^2/NDF: 22.5/31

Left In: -0.010+/-0.010 χ^2/NDF:14.8/22

Left: 0.006+/-0.007 χ^2/NDF: 43.0/47

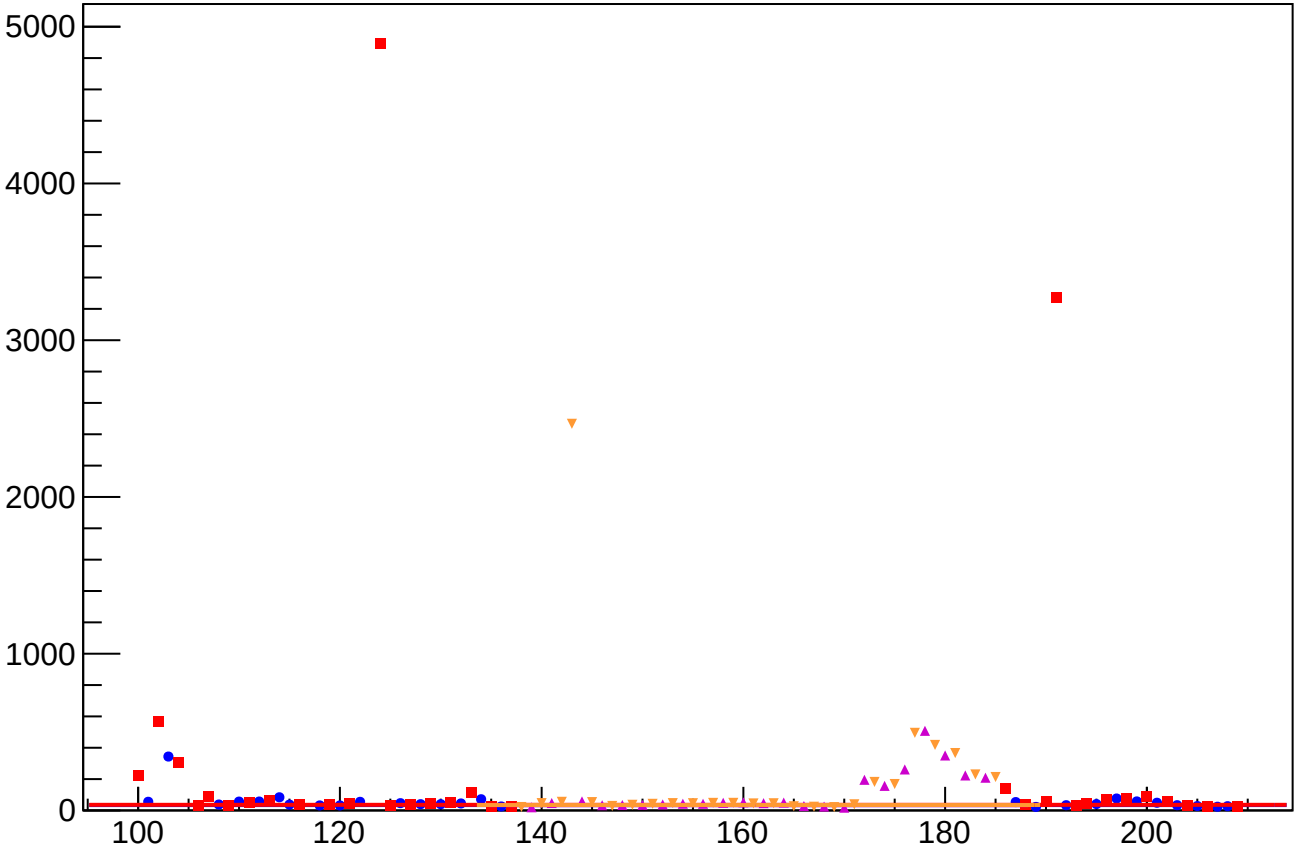
Right: 0.013+/-0.007 χ^2/NDF: 65.0/58

In: -0.001+/-0.007 χ^2/NDF:58.6/49

Out: 0.021+/-0.007 χ^2/NDF:45.5/56

All: 0.010+/-0.005 χ^2/NDF: 108.4/106

asym_at1_dd_at2_dd_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 34.259+/-0.007 χ^2/NDF: 3559231.0/26

Left Out: 34.623+/-0.007 χ^2/NDF:11402566.2/24

Right Out: 35.974+/-0.007 χ^2/NDF: 6336473.9/31

Left In: 33.595+/-0.007 χ^2/NDF:10066196.6/22

Left: 34.095+/-0.005 χ^2/NDF: 21479175.2/47

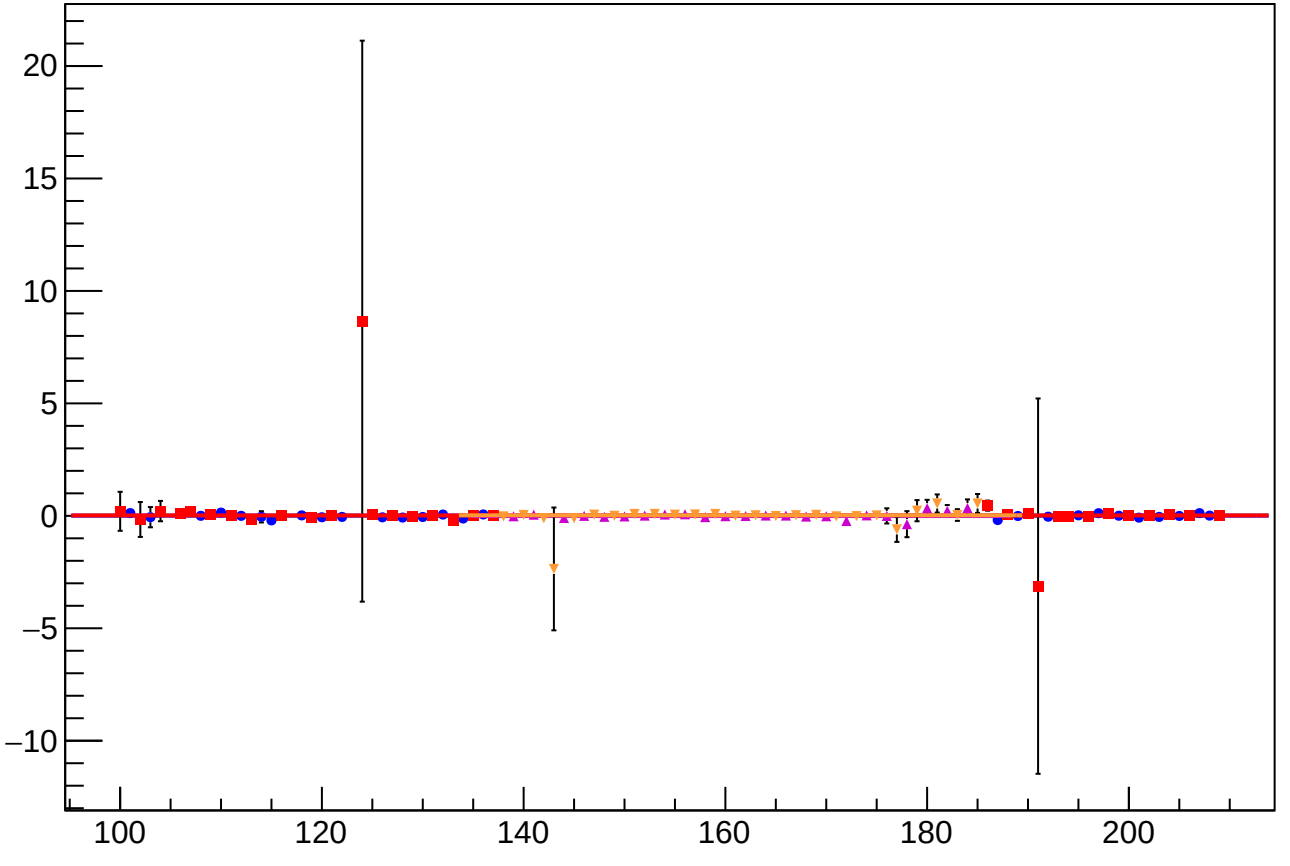
Right: 35.073+/-0.005 χ^2/NDF: 9923604.4/58

In: 33.924+/-0.005 χ^2/NDF:13629858.3/49

Out: 35.277+/-0.005 χ^2/NDF:17756036.5/56

All: 34.575+/-0.004 χ^2/NDF: 31421285.9/106

asym_at1_dd_at2_dd_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.009+/-0.010 χ^2/NDF: 42.1/26

Left Out: 0.023+/-0.010 χ^2/NDF:22.8/24

Right Out: 0.018+/-0.011 χ^2/NDF: 22.5/31

Left In: -0.010+/-0.010 χ^2/NDF:14.8/22

Left: 0.006+/-0.007 χ^2/NDF: 43.0/47

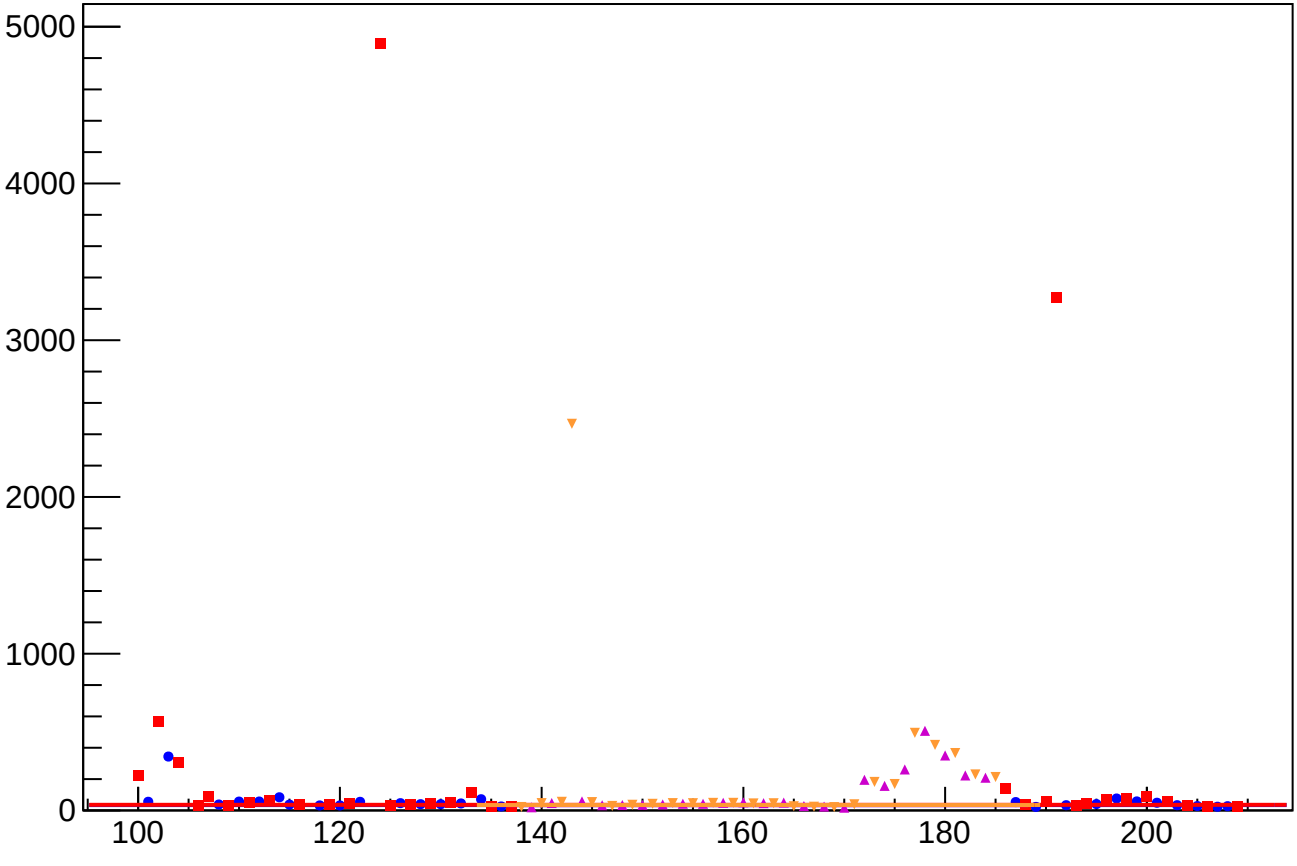
Right: 0.013+/-0.007 χ^2/NDF: 65.0/58

In: -0.001+/-0.007 χ^2/NDF:58.6/49

Out: 0.021+/-0.007 χ^2/NDF:45.5/56

All: 0.010+/-0.005 χ^2/NDF: 108.4/106

asym_at1_dd_at2_dd_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 34.259+/-0.007 χ^2/NDF: 3559231.0/26

Left Out: 34.623+/-0.007 χ^2/NDF:11402566.2/24

Right Out: 35.974+/-0.007 χ^2/NDF: 6336473.9/31

Left In: 33.595+/-0.007 χ^2/NDF:10066196.6/22

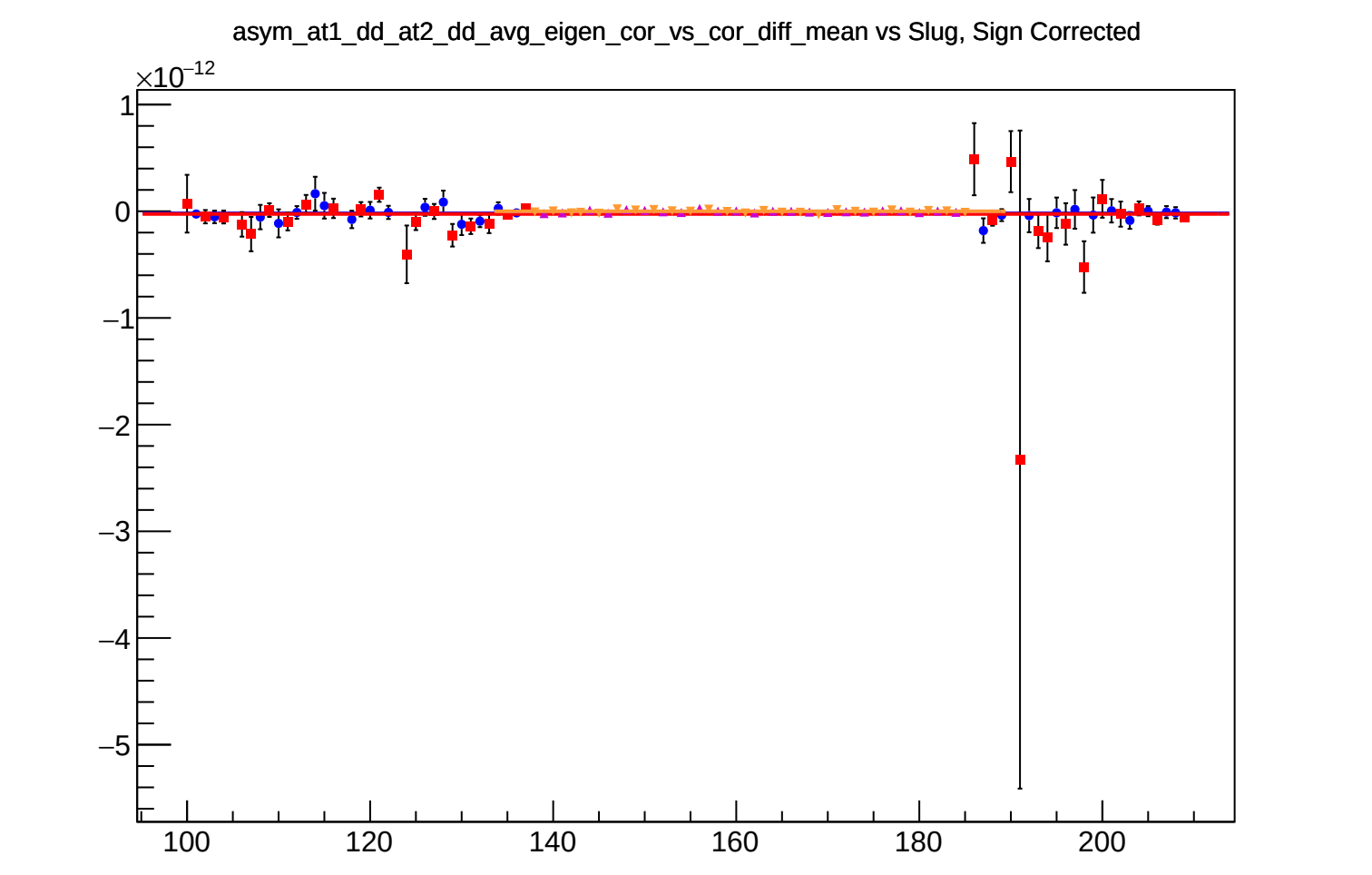
Left: 34.095+/-0.005 χ^2/NDF: 21479175.2/47

Right: 35.073+/-0.005 χ^2/NDF: 9923604.4/58

In: 33.924+/-0.005 χ^2/NDF:13629858.3/49

Out: 35.277+/-0.005 χ^2/NDF:17756036.5/56

All: 34.575+/-0.004 χ^2/NDF: 31421285.9/106



Right In: -0.000+/-0.000 χ^2/NDF: 11.5/26

Left Out: -0.000+/-0.000 χ^2/NDF:26.0/24

Right Out: -0.000+/-0.000 χ^2/NDF: 44.7/31

Left In: -0.000+/-0.000 χ^2/NDF:20.0/22

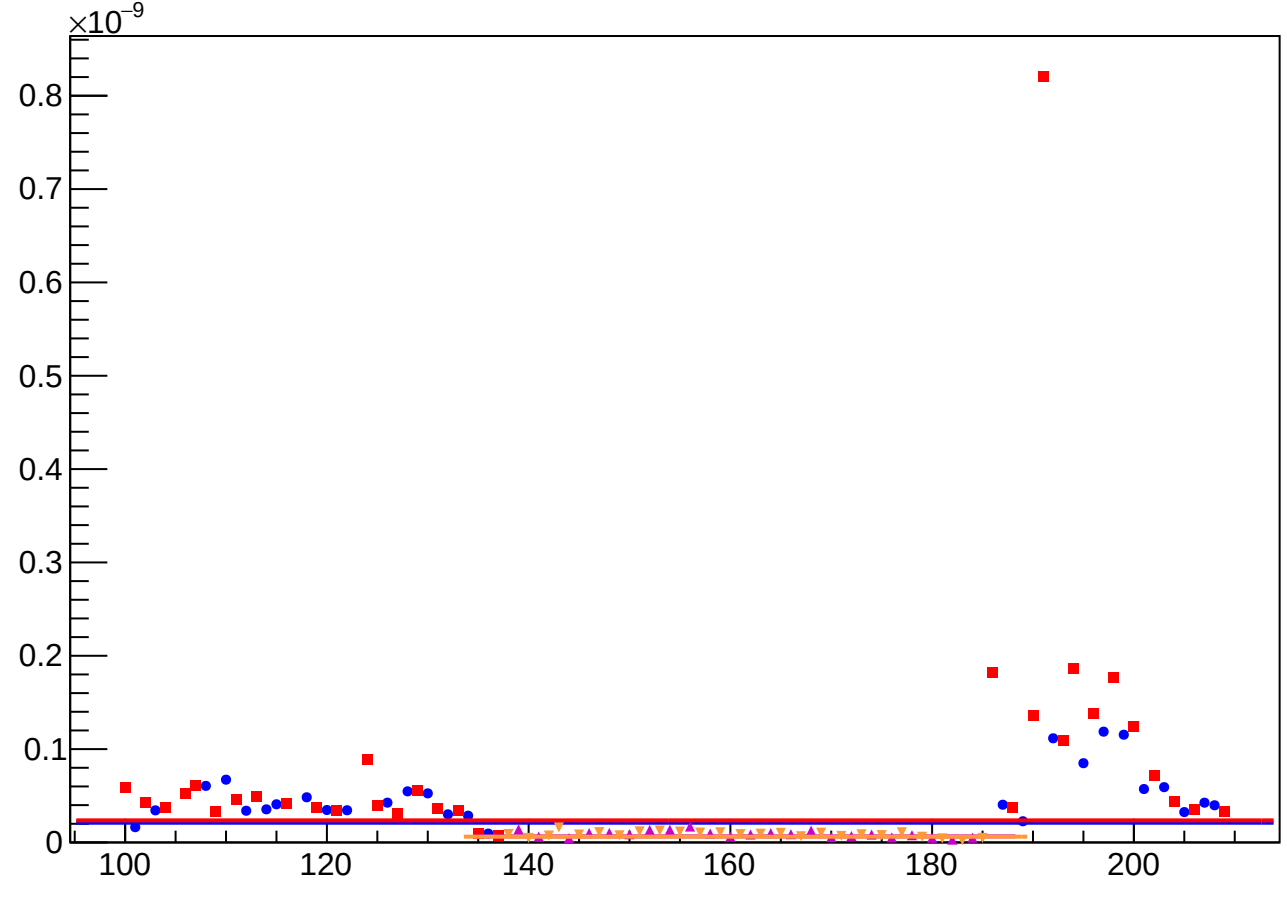
Left: -0.000+/-0.000 χ^2/NDF: 46.4/47

Right: -0.000+/-0.000 χ^2/NDF: 56.4/58

In: -0.000+/-0.000 χ^2/NDF:34.9/49

Out: -0.000+/-0.000 χ^2/NDF:76.9/56

All: -0.000+/-0.000 χ^2/NDF: 112.2/106



Right In: 0.000+/-0.000 χ^2/NDF: 7268739.5/26

Left Out: 0.000+/-0.000 χ^2/NDF:5077918.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 9706153.7/31

Left In: 0.000+/-0.000 χ^2/NDF:3998320.2/22

Left: 0.000+/-0.000 χ^2/NDF: 9096603.9/47

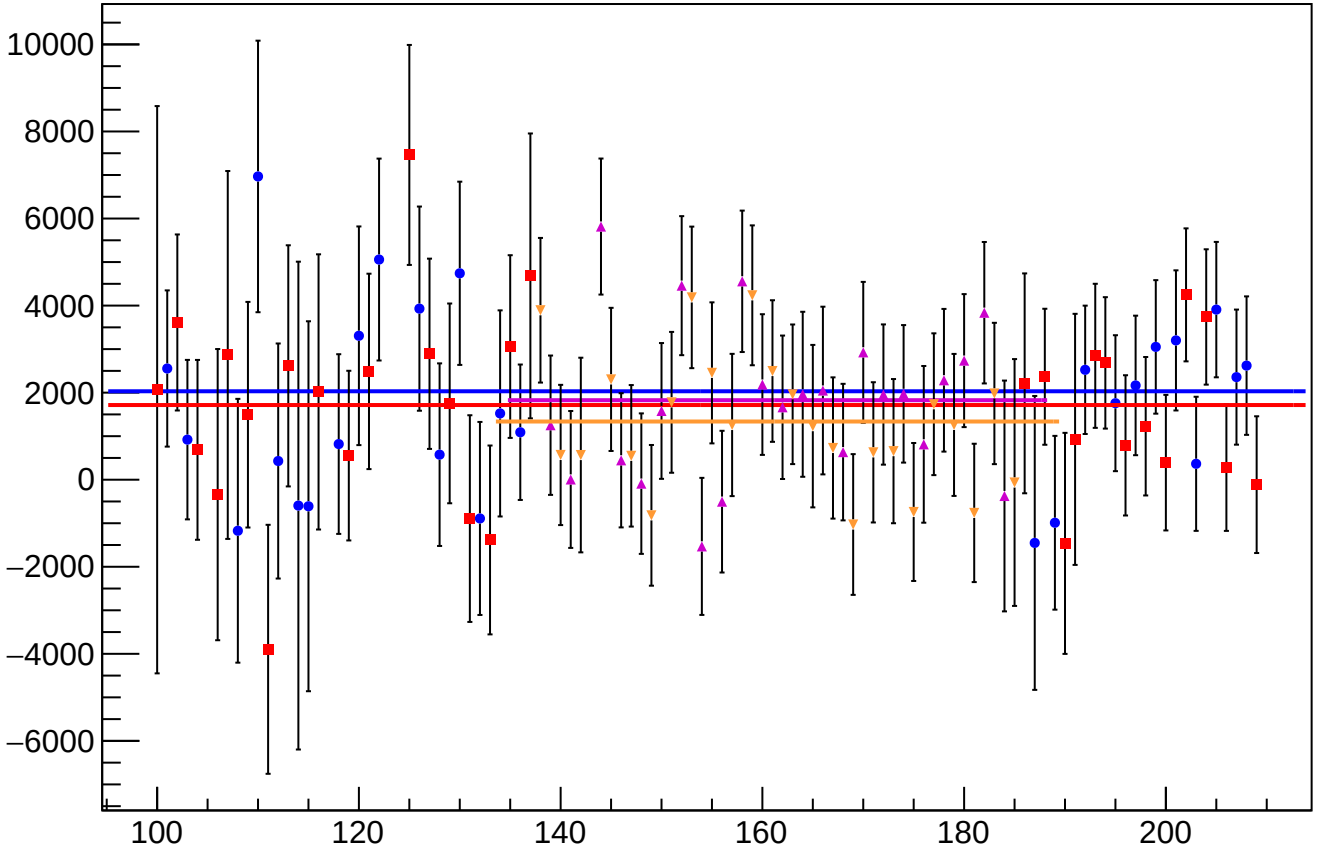
Right: 0.000+/-0.000 χ^2/NDF: 17043776.2/58

In: 0.000+/-0.000 χ^2/NDF:16207496.0/49

Out: 0.000+/-0.000 χ^2/NDF:20703538.4/56

All: 0.000+/-0.000 χ^2/NDF: 36941398.2/106

reg_asym_usl_atl1_avg_mean vs Slug, Sign Corrected



Right In: 2031.699+/-375.072 χ^2/NDF: 19.6/26

Left Out: 1337.008+/-341.012 χ^2/NDF:19.2/23

Right Out: 1715.461+/-366.684 χ^2/NDF: 26.6/30

Left In: 1826.599+/-343.483 χ^2/NDF:26.5/22

Left: 1580.036+/-242.001 χ^2/NDF: 46.7/46

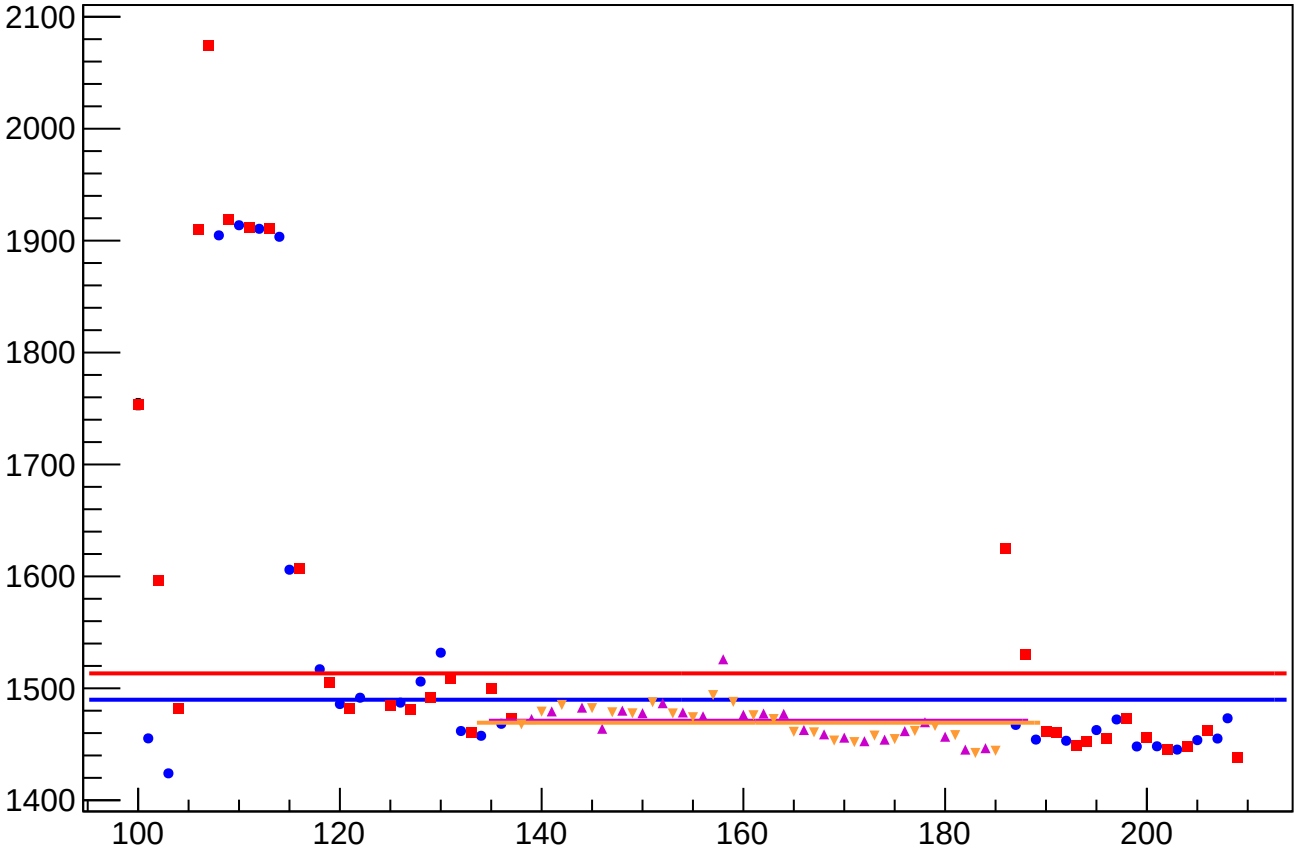
Right: 1870.004+/-262.200 χ^2/NDF: 46.5/57

In: 1920.150+/-253.312 χ^2/NDF:46.2/49

Out: 1512.524+/-249.715 χ^2/NDF:46.4/54

All: 1713.422+/-177.833 χ^2/NDF: 93.9/104

reg_asym_usl_atl1_avg_rms vs Slug, Sign Corrected



Right In: 1489.809+/-0.265 χ^2/NDF: 150671.0/26

Left Out: 1469.267+/-0.241 χ^2/NDF:3155.3/23

Right Out: 1513.333+/-0.259 χ^2/NDF: 236741.7/30

Left In: 1471.054+/-0.243 χ^2/NDF:4642.4/22

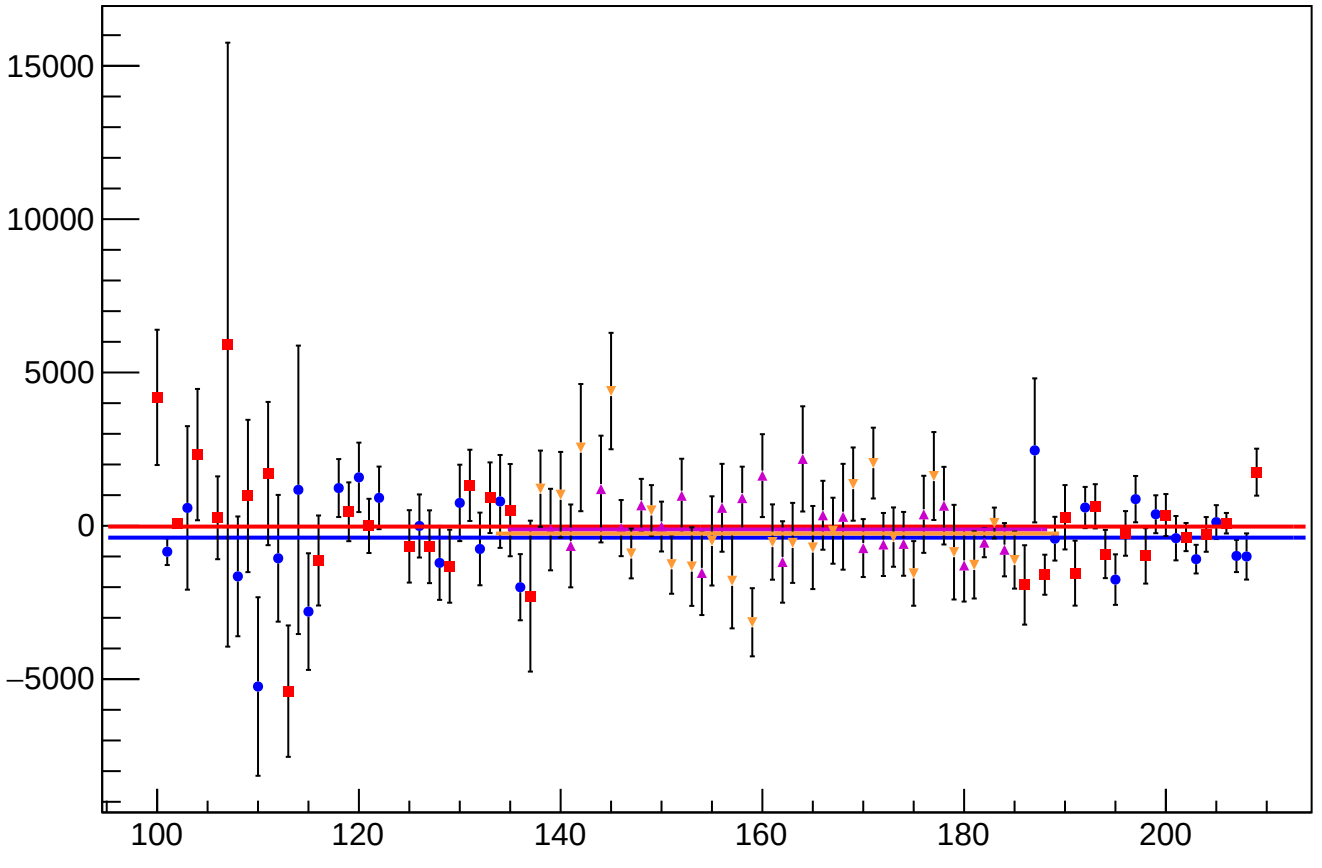
Left: 1470.154+/-0.171 χ^2/NDF: 7825.0/46

Right: 1501.837+/-0.185 χ^2/NDF: 391435.2/57

In: 1479.609+/-0.179 χ^2/NDF:158033.3/49

Out: 1489.703+/-0.177 χ^2/NDF:255385.4/54

All: 1484.728+/-0.126 χ^2/NDF: 415029.5/104



Right In: -385.272+/-160.464 χ^2/NDF: 33.9/26

Left Out: -251.610+/-218.369 χ^2/NDF:32.7/23

Right Out: -25.548+/-103.495 χ^2/NDF: 38.2/30

Left In: -119.802+/-215.975 χ^2/NDF:12.8/22

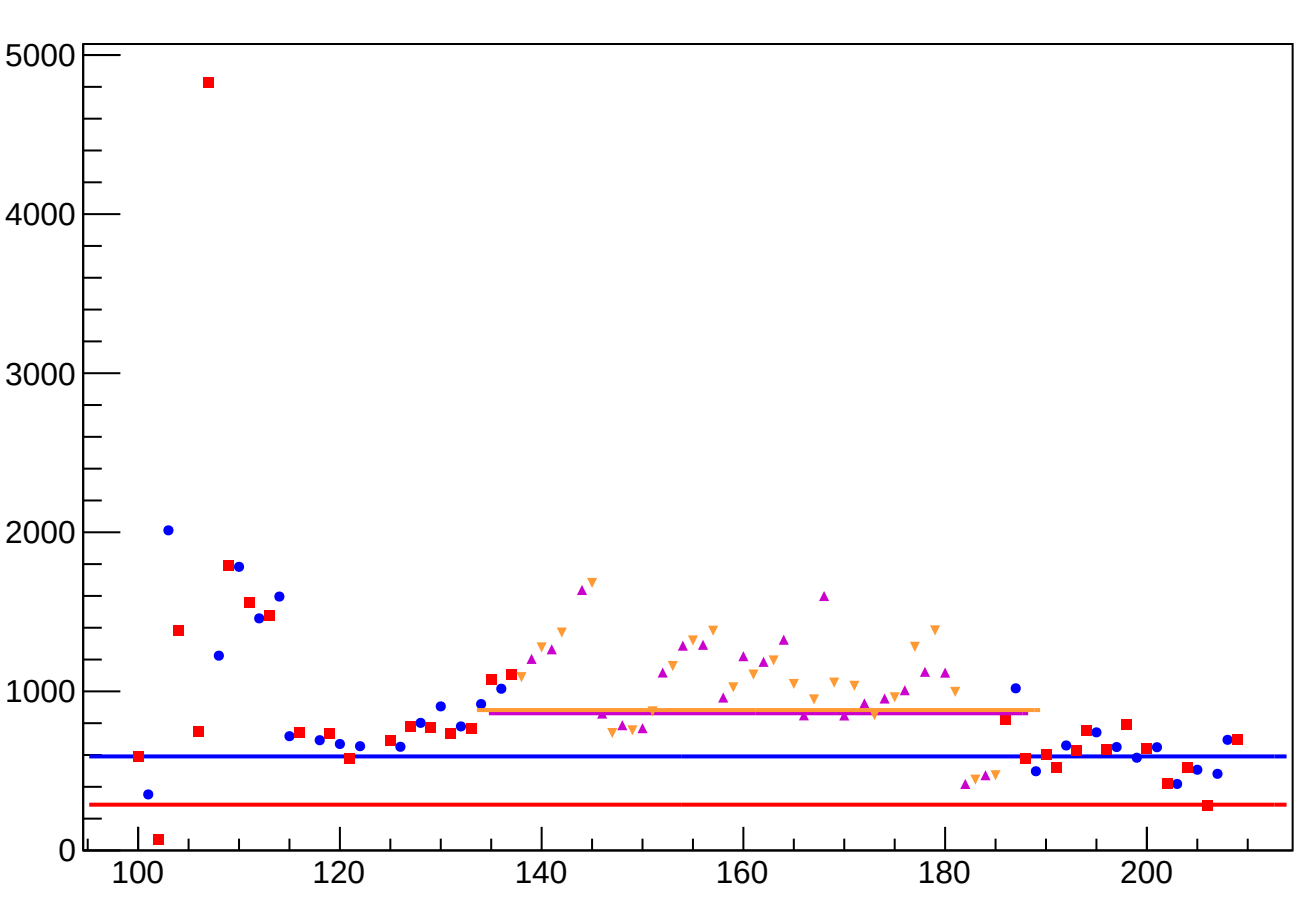
Left: -184.979+/-153.557 χ^2/NDF: 45.7/46

Right: -131.229+/-86.974 χ^2/NDF: 75.6/57

In: -290.851+/-128.804 χ^2/NDF:47.7/49

Out: -67.013+/-93.523 χ^2/NDF:71.8/54

All: -144.284+/-75.678 χ^2/NDF: 121.4/104



Right In: 591.077+/-0.113 χ^2/NDF: 3520720.9/26

Left Out: 882.430+/-0.154 χ^2/NDF:3901279.8/23

Right Out: 287.720+/-0.073 χ^2/NDF: 16177547.3/30

Left In: 862.298+/-0.153 χ^2/NDF:4369416.2/22

Left: 872.253+/-0.109 χ^2/NDF: 8279289.7/46

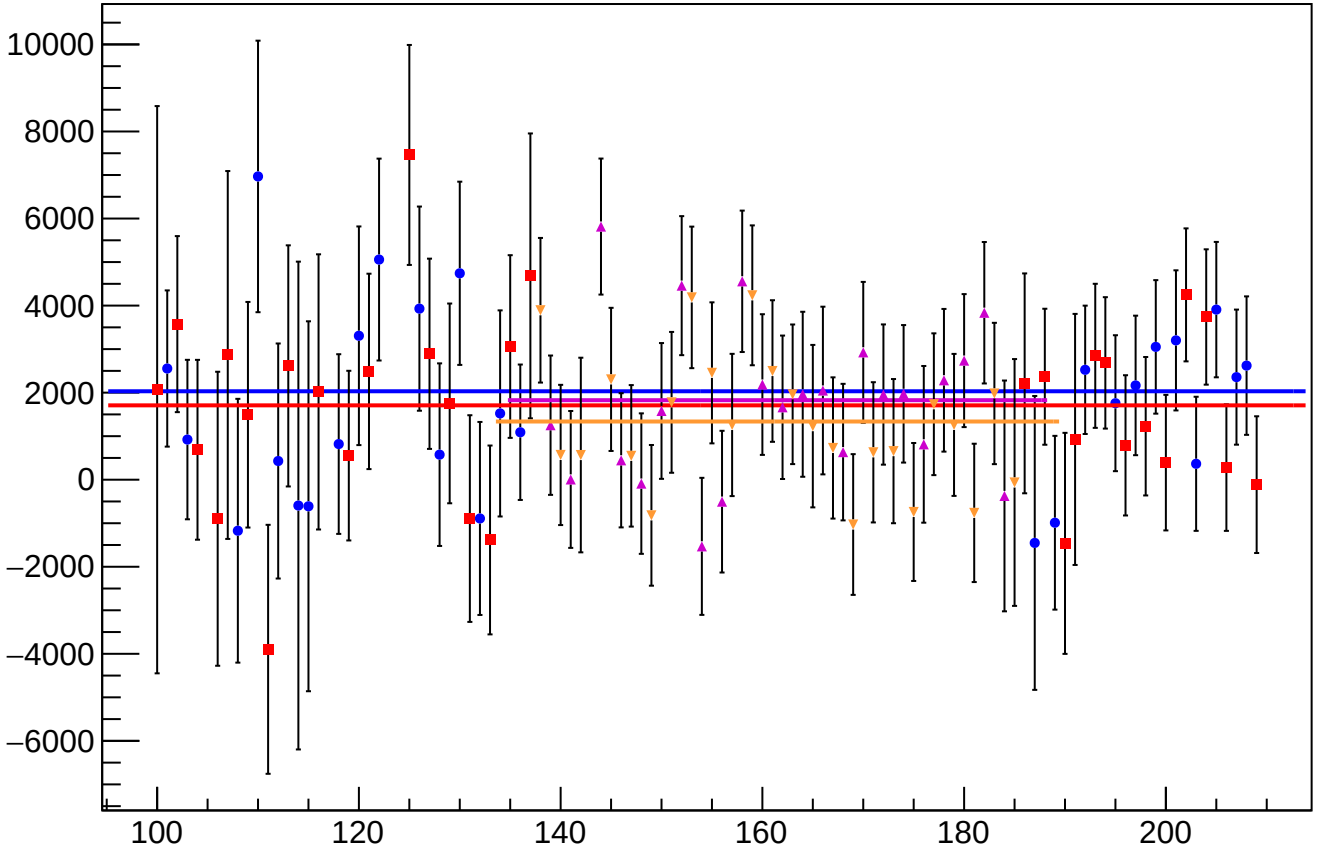
Right: 376.841+/-0.061 χ^2/NDF: 24746328.5/57

In: 687.543+/-0.091 χ^2/NDF:9922373.8/49

Out: 396.803+/-0.066 χ^2/NDF:32191909.6/54

All: 497.169+/-0.054 χ^2/NDF: 48786691.3/10

cor_asym_usl_atl1_avg_mean vs Slug, Sign Corrected



Right In: 2031.789+/-375.072 χ^2/NDF: 19.6/26

Left Out: 1337.018+/-341.012 χ^2/NDF:19.2/23

Right Out: 1708.127+/-366.728 χ^2/NDF: 26.8/30

Left In: 1826.644+/-343.483 χ^2/NDF:26.5/22

Left: 1580.064+/-242.001 χ^2/NDF: 46.7/46

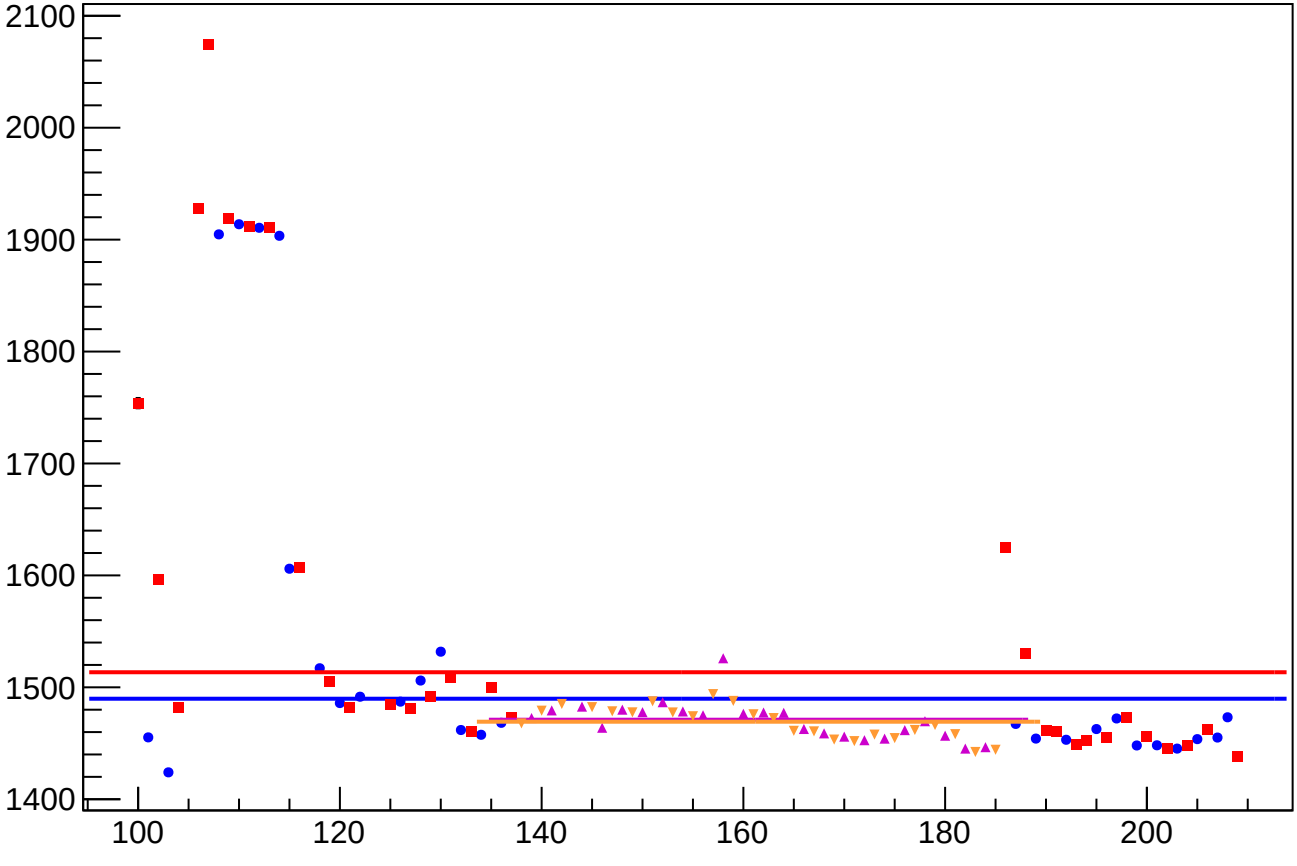
Right: 1866.317+/-262.216 χ^2/NDF: 46.7/57

In: 1920.215+/-253.312 χ^2/NDF:46.2/49

Out: 1509.106+/-249.729 χ^2/NDF:46.6/54

All: 1711.732+/-177.838 χ^2/NDF: 94.1/104

cor_asym_usl_atl1_avg_rms vs Slug, Sign Corrected



Right In: 1489.809+/-0.265 χ^2/NDF: 150671.0/26

Left Out: 1469.267+/-0.241 χ^2/NDF:3155.3/23

Right Out: 1513.464+/-0.259 χ^2/NDF: 238829.7/30

Left In: 1471.054+/-0.243 χ^2/NDF:4642.4/22

Left: 1470.154+/-0.171 χ^2/NDF: 7825.0/46

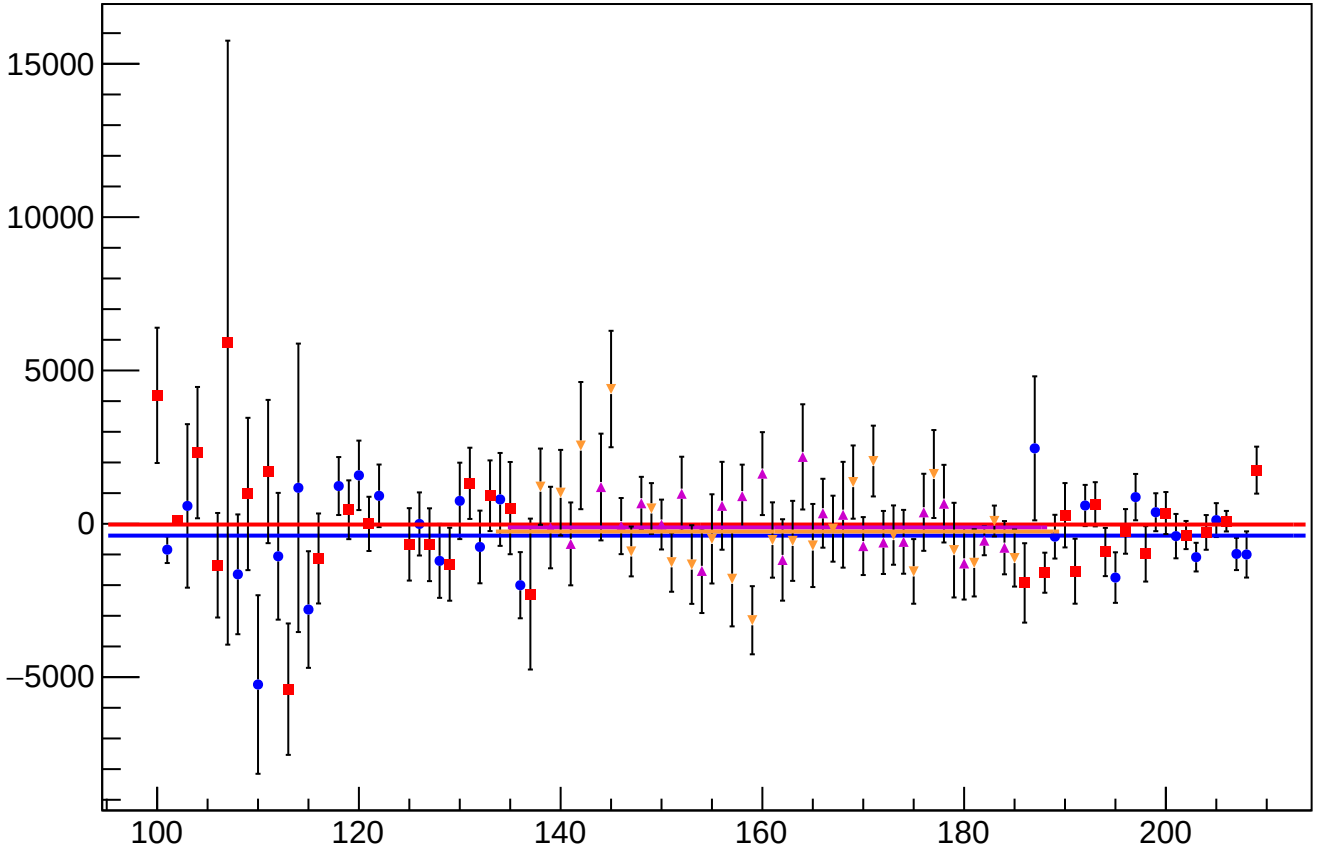
Right: 1501.903+/-0.185 χ^2/NDF: 393567.7/57

In: 1479.609+/-0.179 χ^2/NDF:158033.3/49

Out: 1489.762+/-0.177 χ^2/NDF:257563.8/54

All: 1484.757+/-0.126 χ^2/NDF: 417226.4/104

asym_usl_atl1_avg_cor_correction_mean vs Slug, Sign Corrected



Right In: -385.204+/-160.462 χ^2/NDF: 33.9/26

Left Out: -251.589+/-218.368 χ^2/NDF:32.7/23

Right Out: -24.180+/-108.824 χ^2/NDF: 39.0/30

Left In: -119.845+/-215.975 χ^2/NDF:12.8/22

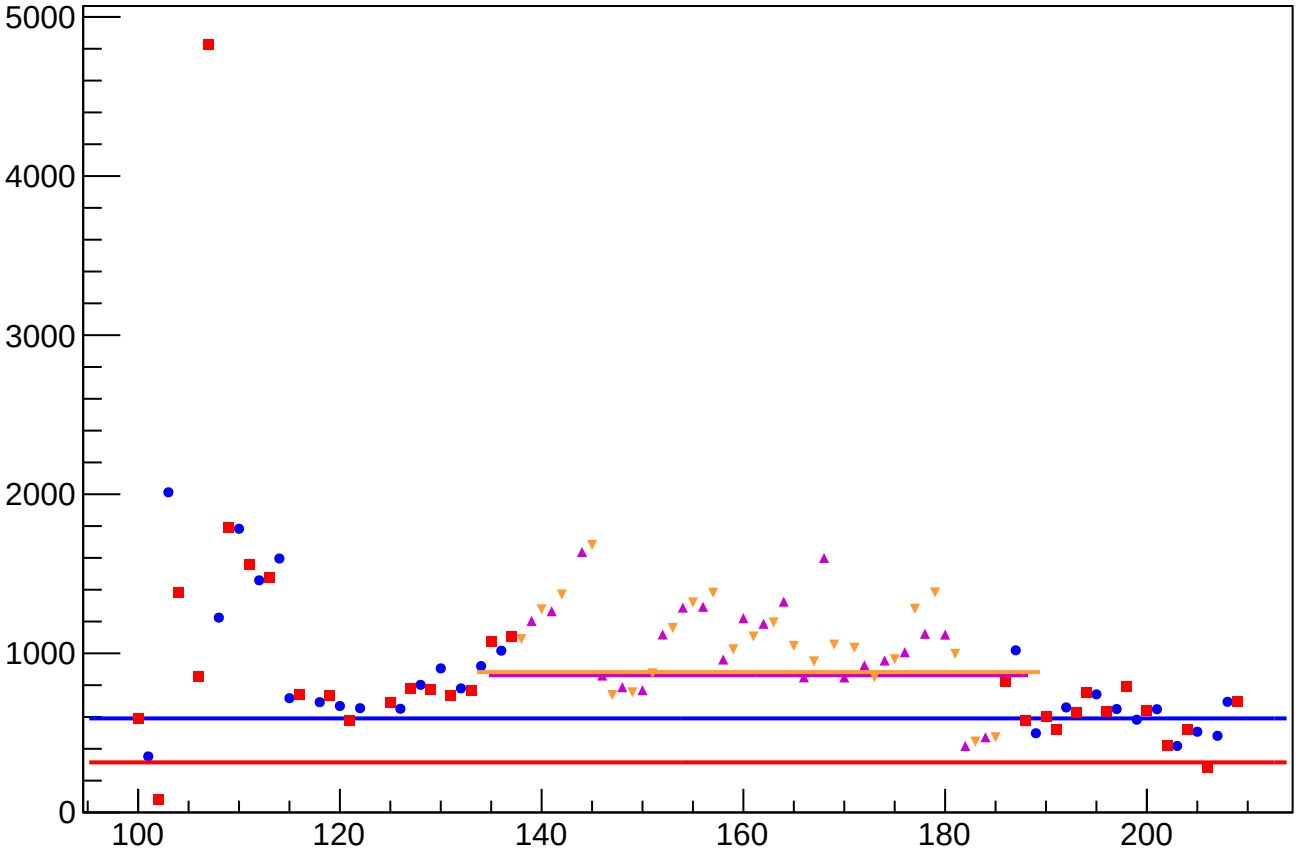
Left: -184.992+/-153.556 χ^2/NDF: 45.7/46

Right: -137.918+/-90.065 χ^2/NDF: 76.4/57

In: -290.825+/-128.803 χ^2/NDF:47.7/49

Out: -69.422+/-97.399 χ^2/NDF:72.6/54

All: -149.967+/-77.688 χ^2/NDF: 122.1/104



Right In: 591.067+/-0.113 χ^2/NDF: 3520983.8/26

Left Out: 882.419+/-0.154 χ^2/NDF:3901620.8/23

Right Out: 314.808+/-0.077 χ^2/NDF: 14834802.4/30

Left In: 862.300+/-0.153 χ^2/NDF:4369426.7/22

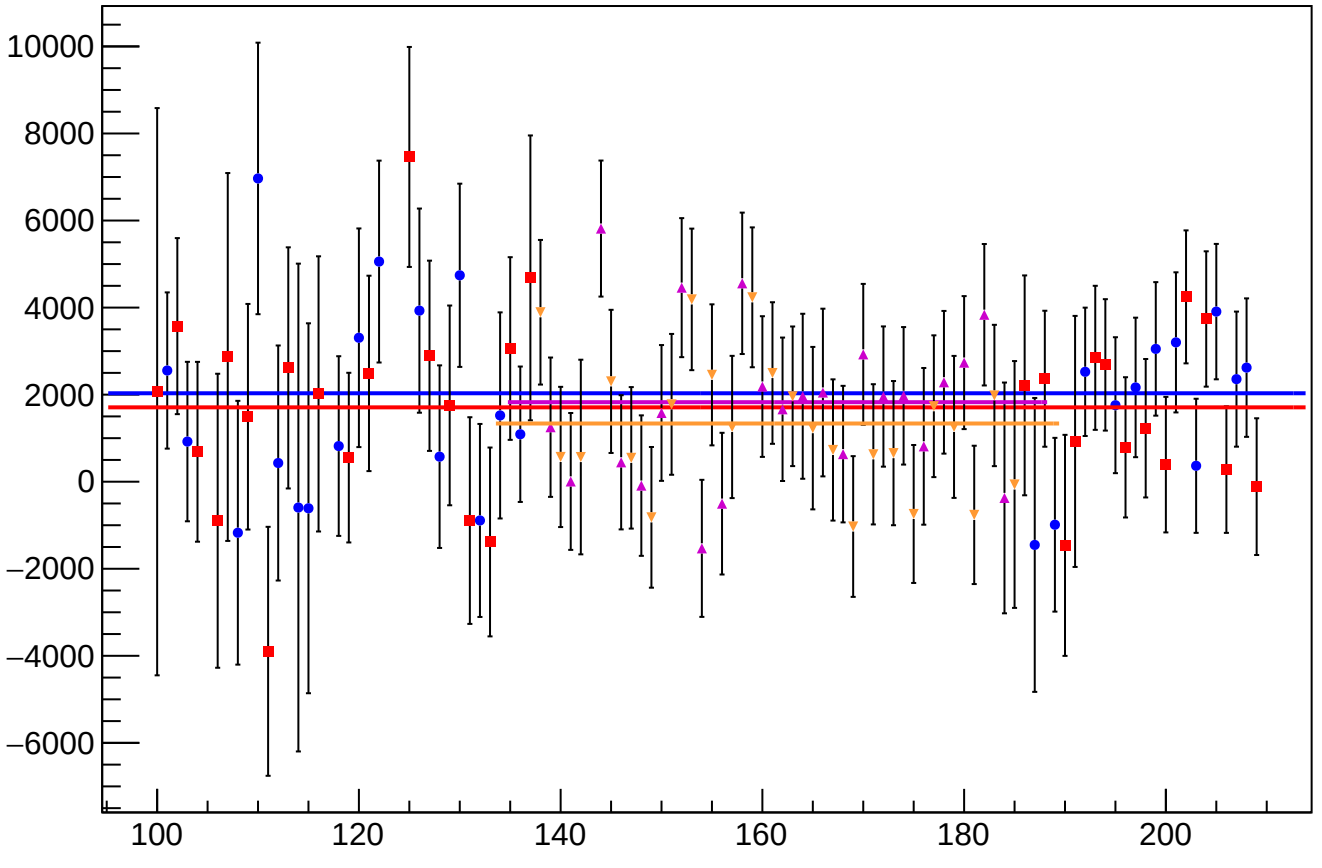
Left: 872.249+/-0.109 χ^2/NDF: 8279630.1/46

Right: 401.841+/-0.064 χ^2/NDF: 22416302.1/57

In: 687.535+/-0.091 χ^2/NDF:9922844.2/49

Out: 427.731+/-0.069 χ^2/NDF:29561151.7/54

All: 522.246+/-0.055 χ^2/NDF: 44660867.3/10



Right In: 2031.789+/-375.072 χ^2/NDF: 19.6/26

Left Out: 1337.018+/-341.012 χ^2/NDF:19.2/23

Right Out: 1708.127+/-366.728 χ^2/NDF: 26.8/30

Left In: 1826.644+/-343.483 χ^2/NDF:26.5/22

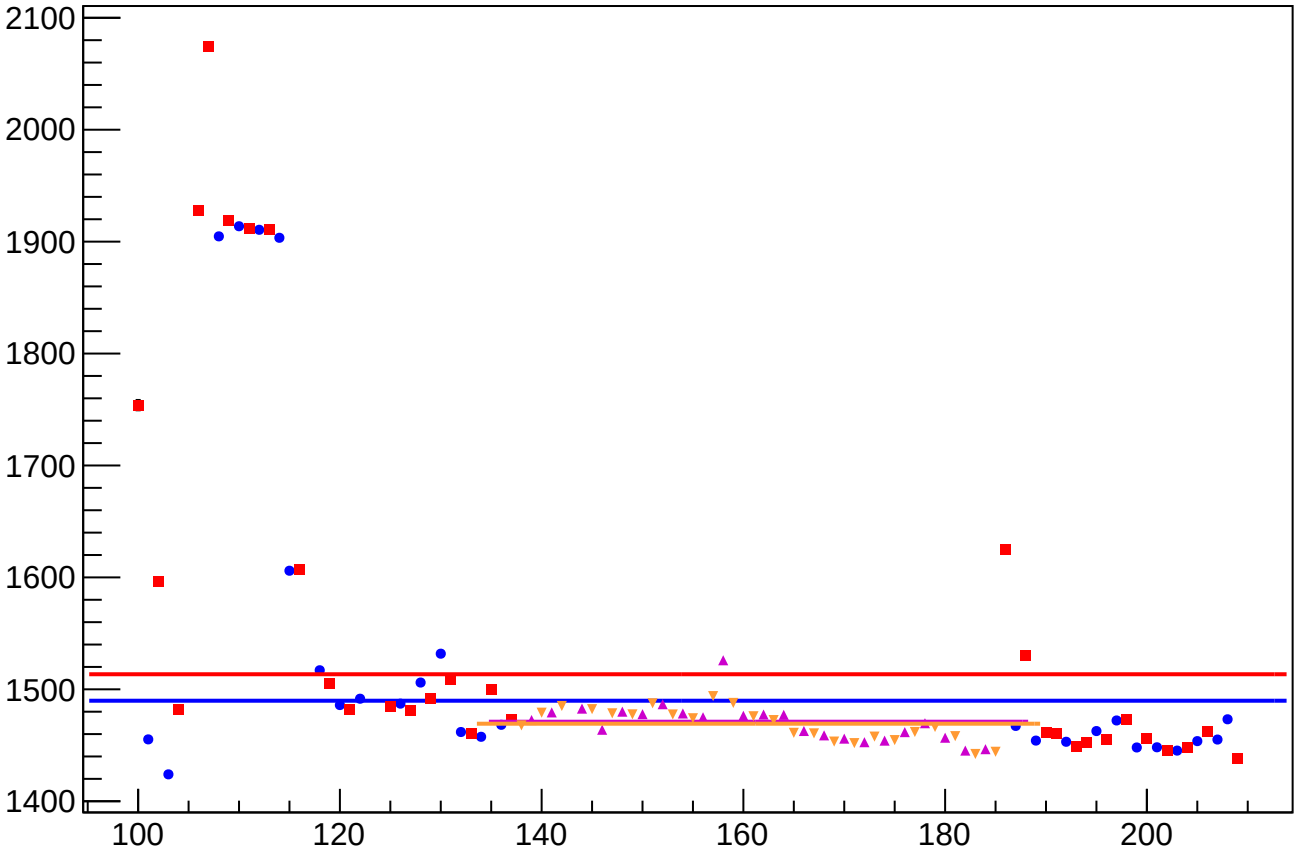
Left: 1580.064+/-242.001 χ^2/NDF: 46.7/46

Right: 1866.317+/-262.216 χ^2/NDF: 46.7/57

In: 1920.215+/-253.312 χ^2/NDF:46.2/49

Out: 1509.106+/-249.729 χ^2/NDF:46.6/54

All: 1711.732+/-177.838 χ^2/NDF: 94.1/104



Right In: 1489.809+/-0.265 χ^2/NDF: 150671.0/26

Left Out: 1469.267+/-0.241 χ^2/NDF:3155.3/23

Right Out: 1513.464+/-0.259 χ^2/NDF: 238829.7/30

Left In: 1471.054+/-0.243 χ^2/NDF:4642.4/22

Left: 1470.154+/-0.171 χ^2/NDF: 7825.0/46

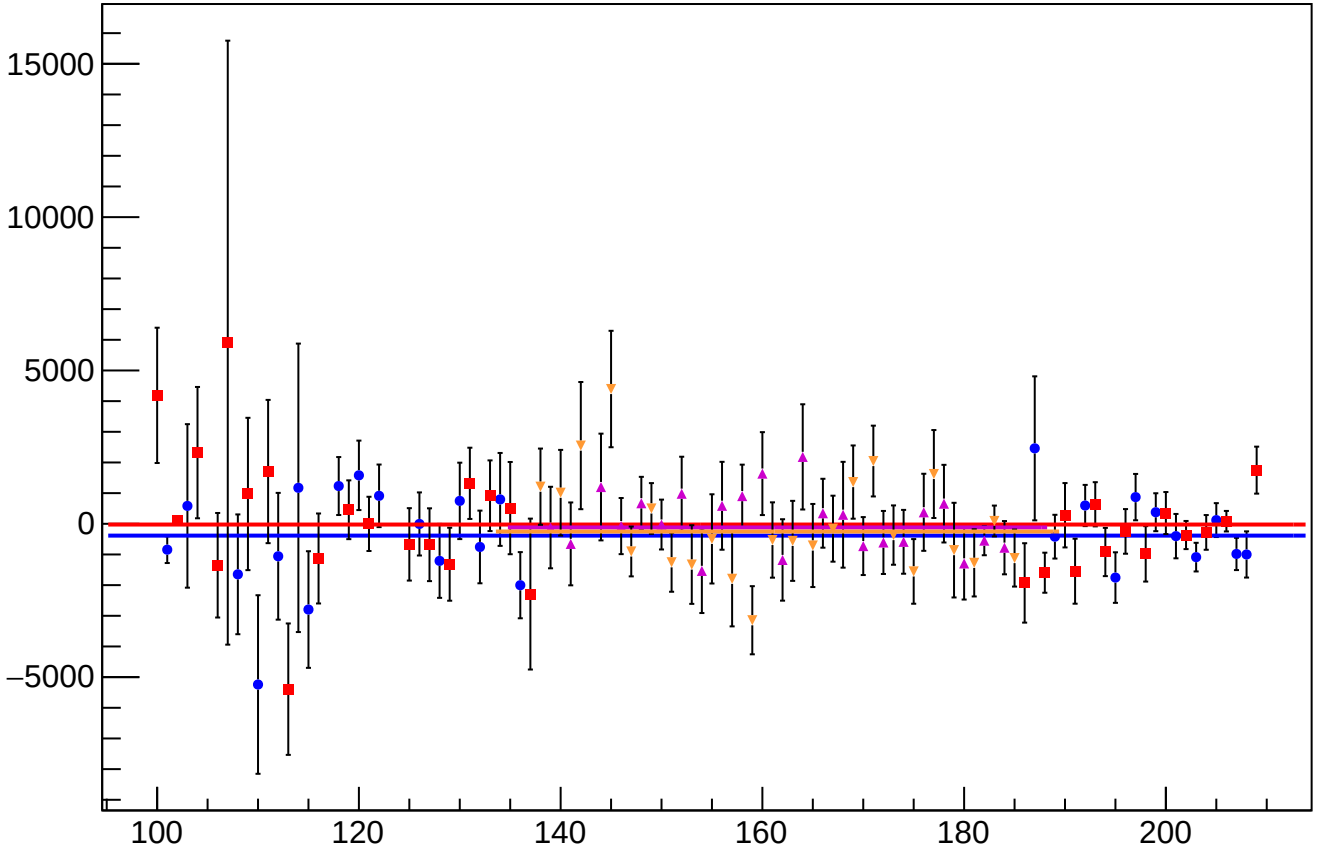
Right: 1501.903+/-0.185 χ^2/NDF: 393567.7/57

In: 1479.609+/-0.179 χ^2/NDF:158033.3/49

Out: 1489.762+/-0.177 χ^2/NDF:257563.8/54

All: 1484.757+/-0.126 χ^2/NDF: 417226.4/104

asym_usl_atl1_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -385.204+/-160.462 χ^2/NDF: 33.9/26

Left Out: -251.589+/-218.368 χ^2/NDF:32.7/23

Right Out: -24.180+/-108.824 χ^2/NDF: 39.0/30

Left In: -119.845+/-215.975 χ^2/NDF:12.8/22

Left: -184.992+/-153.556 χ^2/NDF: 45.7/46

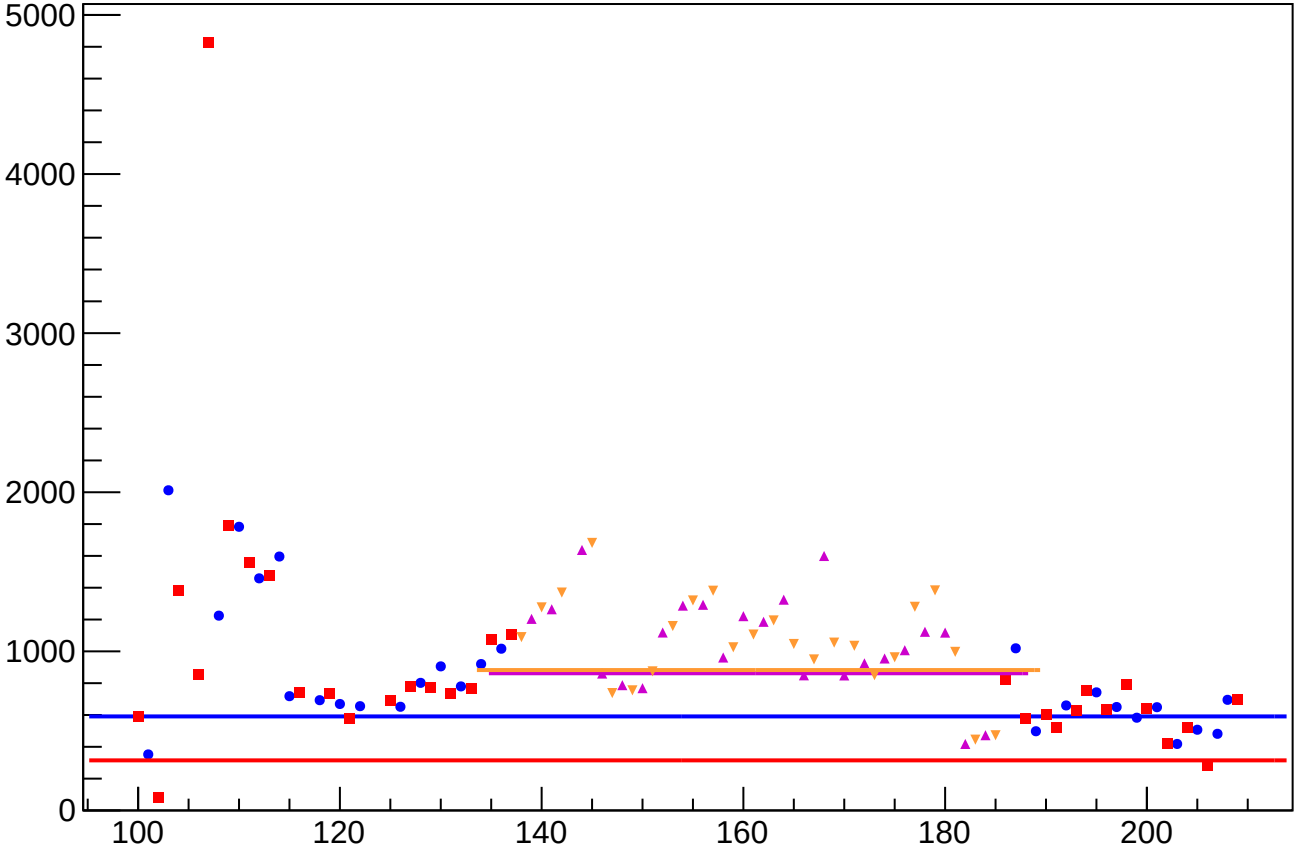
Right: -137.918+/-90.065 χ^2/NDF: 76.4/57

In: -290.825+/-128.803 χ^2/NDF:47.7/49

Out: -69.422+/-97.399 χ^2/NDF:72.6/54

All: -149.967+/-77.688 χ^2/NDF: 122.1/104

asym_usl_atl1_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 591.067+/-0.113 χ^2/NDF: 3520983.8/26

Left Out: 882.419+/-0.154 χ^2/NDF:3901620.8/23

Right Out: 314.808+/-0.077 χ^2/NDF: 14834802.4/30

Left In: 862.300+/-0.153 χ^2/NDF:4369426.7/22

Left: 872.249+/-0.109 χ^2/NDF: 8279630.1/46

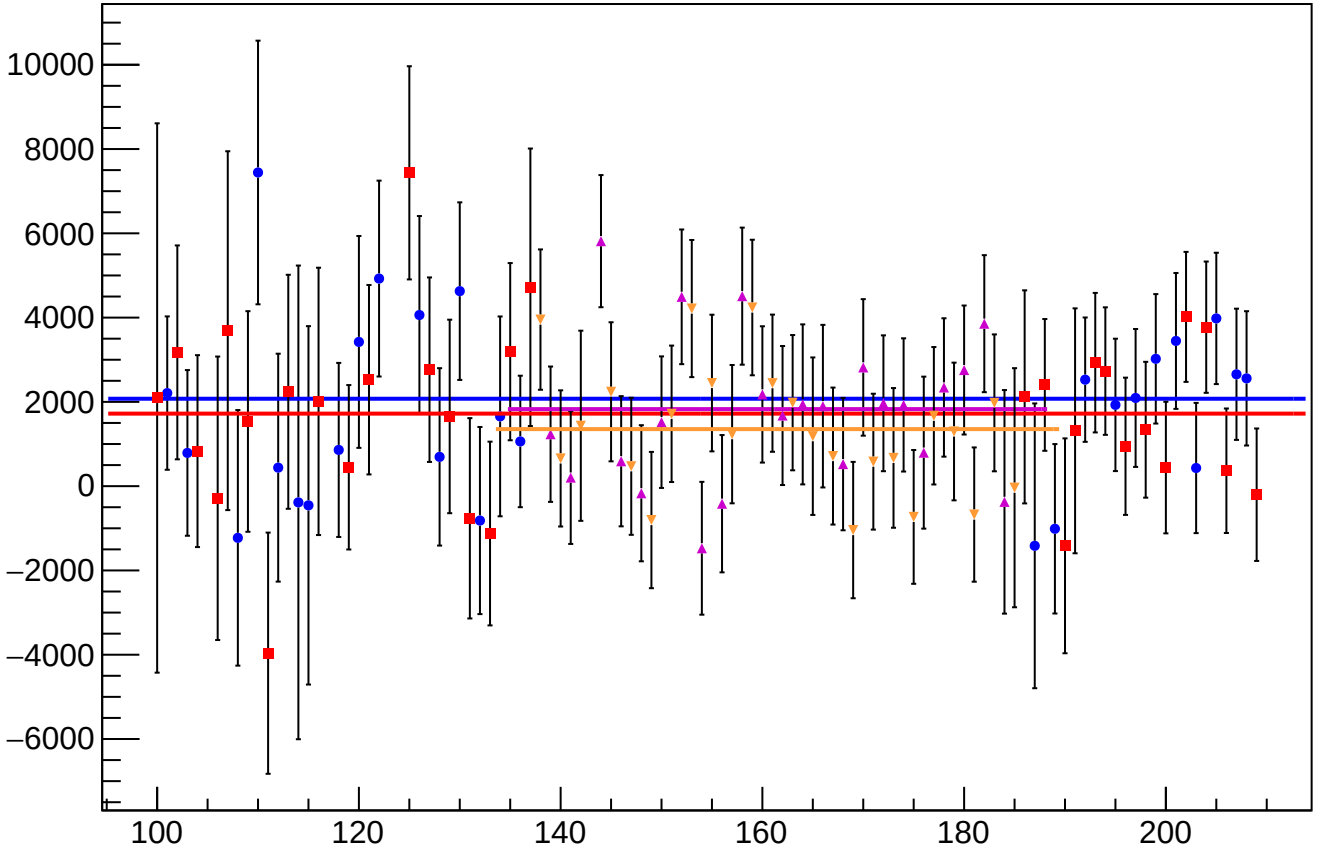
Right: 401.841+/-0.064 χ^2/NDF: 22416302.1/57

In: 687.535+/-0.091 χ^2/NDF:9922844.2/49

Out: 427.731+/-0.069 χ^2/NDF:29561151.7/54

All: 522.246+/-0.055 χ^2/NDF: 44660867.3/10

dit_asym_usl_atl1_avg_mean vs Slug, Sign Corrected



Right In: 2074.643+/-377.553 χ^2/NDF: 19.9/26

Left Out: 1353.686+/-341.570 χ^2/NDF:18.9/23

Right Out: 1721.311+/-371.622 χ^2/NDF: 25.0/30

Left In: 1828.250+/-343.952 χ^2/NDF:25.8/22

Left: 1589.318+/-242.364 χ^2/NDF: 45.7/46

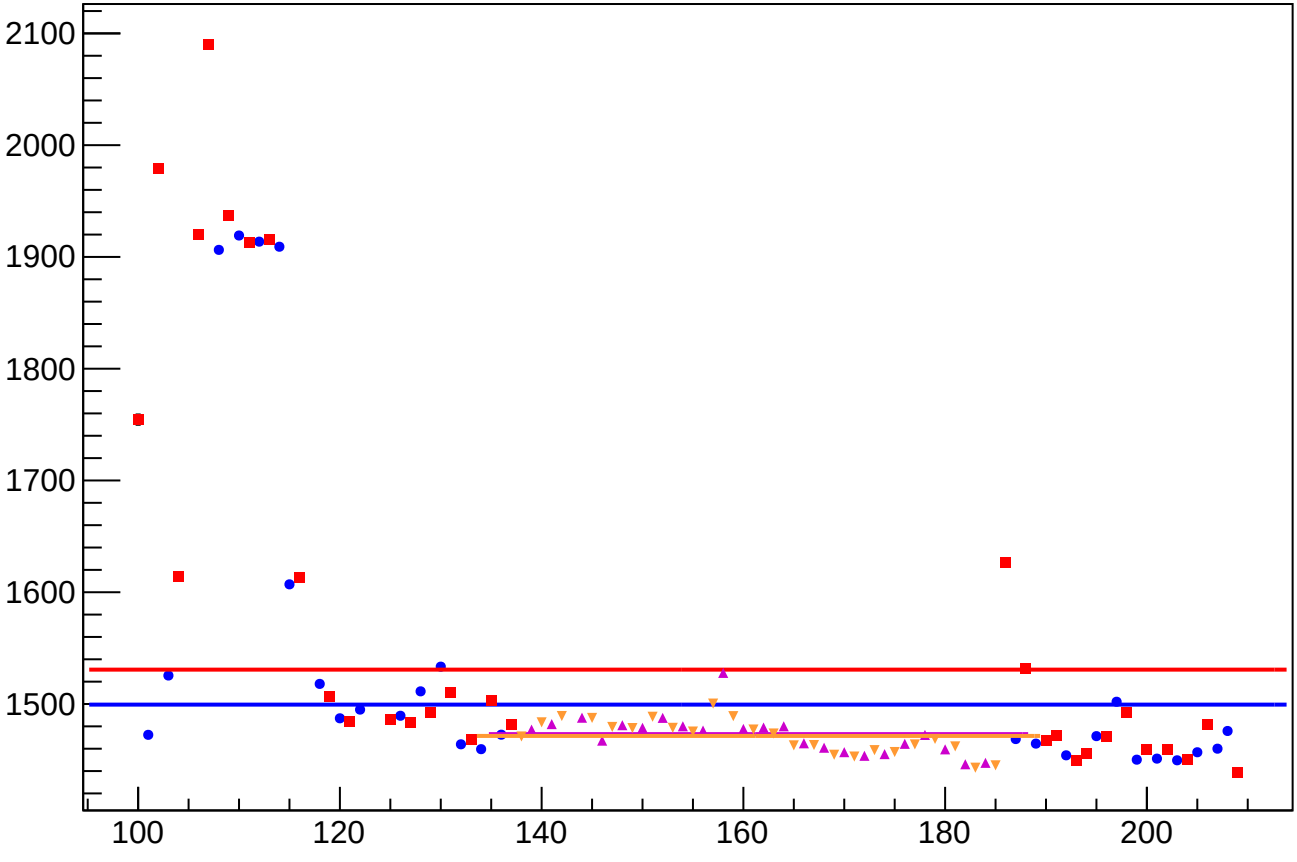
Right: 1895.180+/-264.849 χ^2/NDF: 45.3/57

In: 1939.996+/-254.262 χ^2/NDF:45.9/49

Out: 1522.035+/-251.481 χ^2/NDF:44.5/54

All: 1728.717+/-178.799 χ^2/NDF: 91.8/104

dit_asym_usl_atl1_avg_rms vs Slug, Sign Corrected



Right In: 1499.448+/-0.267 χ^2/NDF: 146589.4/26

Left Out: 1471.437+/-0.242 χ^2/NDF:3436.8/23

Right Out: 1530.753+/-0.263 χ^2/NDF: 299658.1/30

Left In: 1473.049+/-0.243 χ^2/NDF:4751.3/22

Left: 1472.237+/-0.171 χ^2/NDF: 8210.2/46

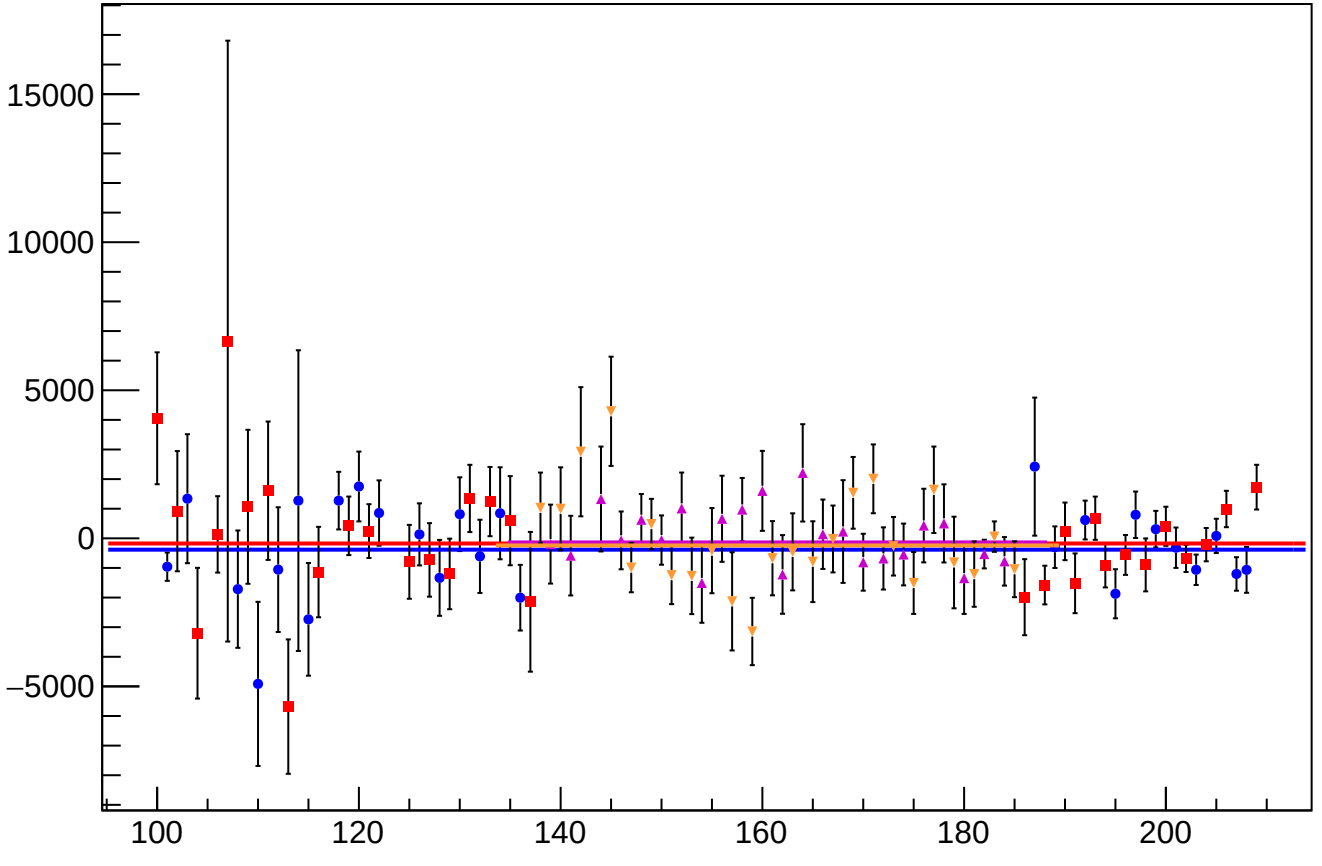
Right: 1515.348+/-0.187 χ^2/NDF: 453231.1/57

In: 1485.022+/-0.180 χ^2/NDF:156684.3/49

Out: 1498.600+/-0.178 χ^2/NDF:330714.8/54

All: 1491.885+/-0.126 χ^2/NDF: 490282.2/104

asym_usl_atl1_avg_dit_correction_mean vs Slug, Sign Corrected



Right In: -383.019+/-166.327 χ^2/NDF: 34.7/26

Left Out: -240.267+/-221.787 χ^2/NDF:32.4/23

Right Out: -174.298+/-168.147 χ^2/NDF: 43.3/30

Left In: -138.421+/-218.478 χ^2/NDF:13.0/22

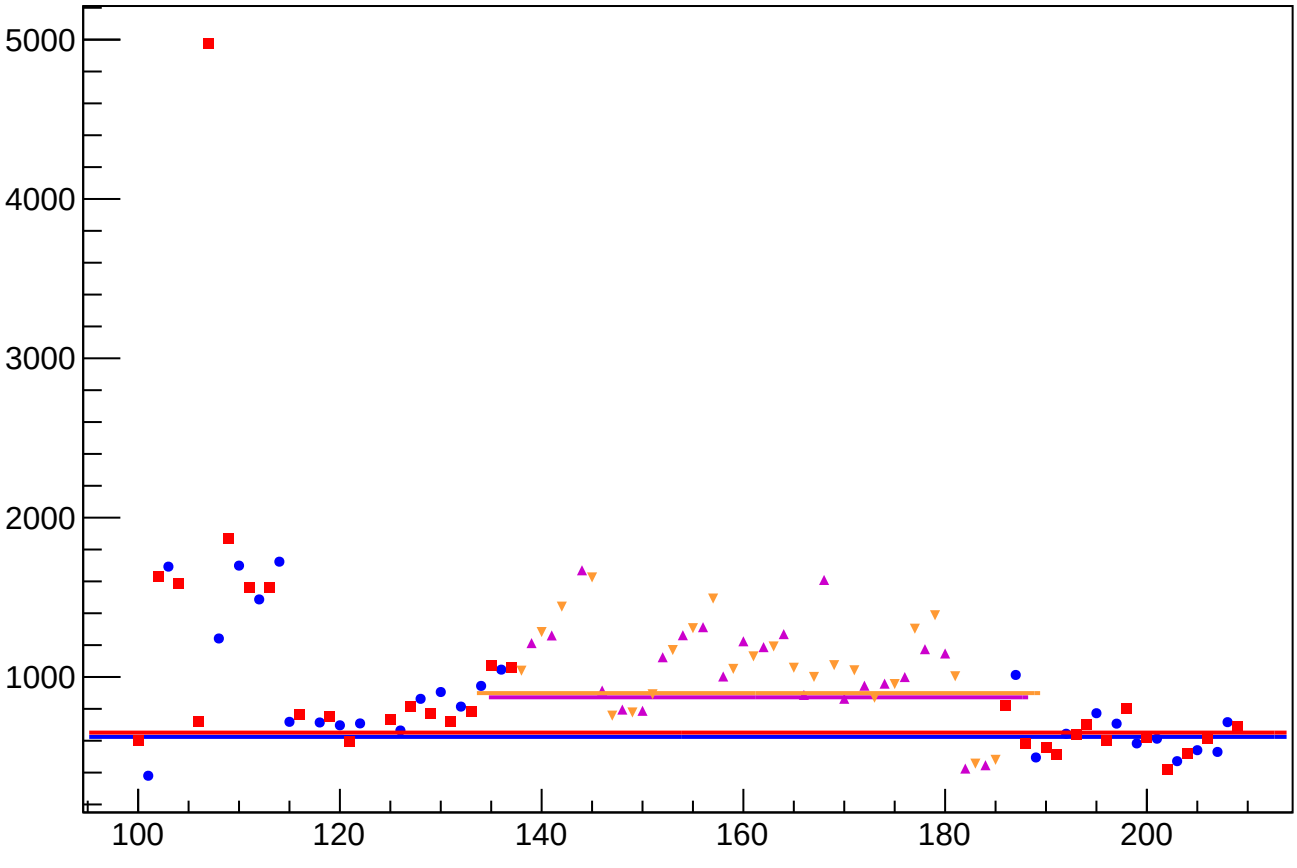
Left: -188.579+/-155.644 χ^2/NDF: 45.5/46

Right: -279.794+/-118.249 χ^2/NDF: 78.8/57

In: -293.271+/-132.341 χ^2/NDF:48.5/49

Out: -198.376+/-133.992 χ^2/NDF:75.8/54

All: -246.412+/-94.157 χ^2/NDF: 124.5/104



Right In: 624.073+/-0.118 χ^2/NDF: 3090415.9/26

Left Out: 898.849+/-0.157 χ^2/NDF:3791528.8/23

Right Out: 651.019+/-0.119 χ^2/NDF: 3461015.9/30

Left In: 872.472+/-0.154 χ^2/NDF:4435516.3/22

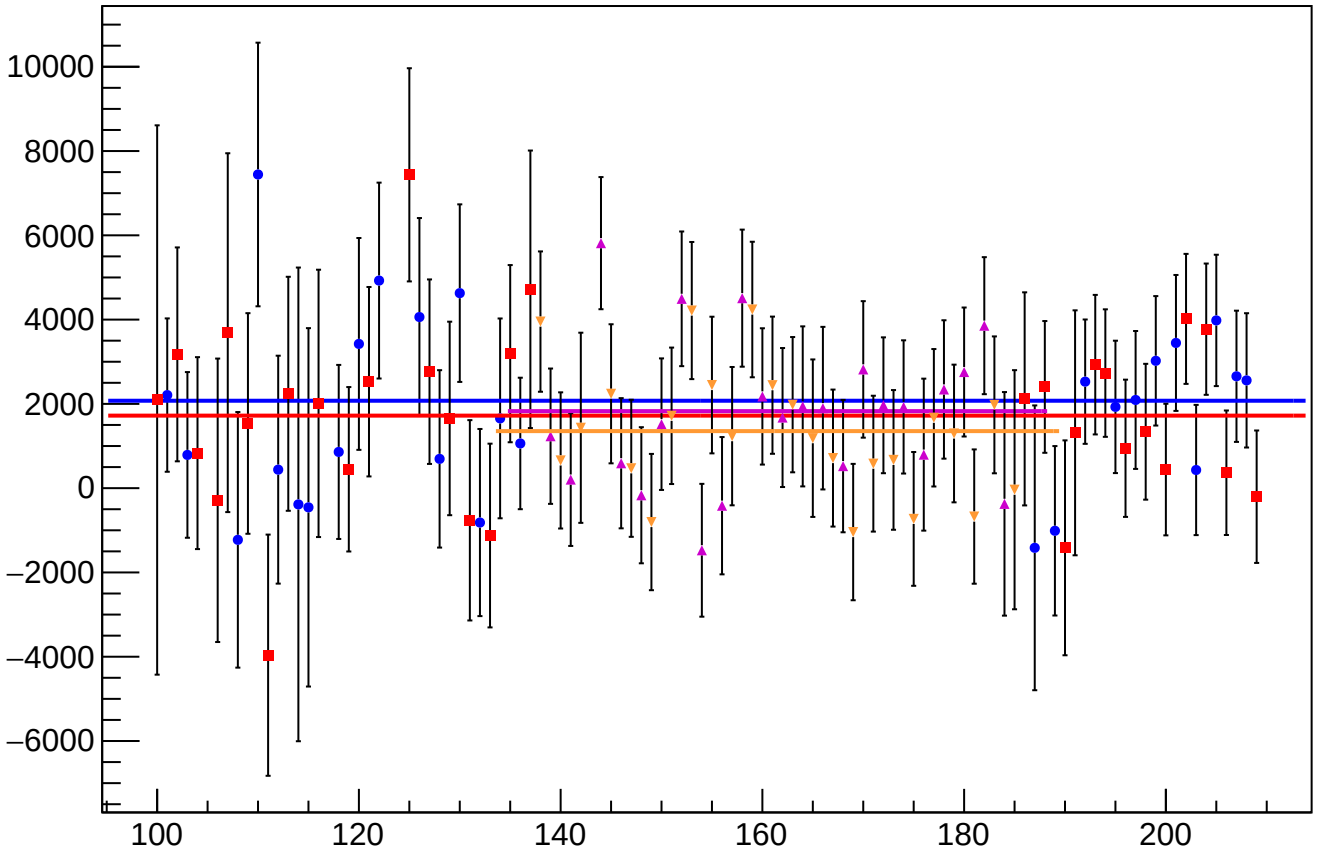
Left: 885.462+/-0.110 χ^2/NDF: 8241401.5/46

Right: 637.399+/-0.084 χ^2/NDF: 6577391.2/57

In: 715.216+/-0.094 χ^2/NDF:9162647.1/49

Out: 741.475+/-0.095 χ^2/NDF:8838325.3/54

All: 728.182+/-0.067 χ^2/NDF: 18039855.2/10



Right In: 2074.641+/-377.553 χ^2/NDF: 19.9/26

Left Out: 1353.684+/-341.570 χ^2/NDF:18.9/23

Right Out: 1721.310+/-371.622 χ^2/NDF: 25.0/30

Left In: 1828.250+/-343.952 χ^2/NDF:25.8/22

Left: 1589.318+/-242.364 χ^2/NDF: 45.7/46

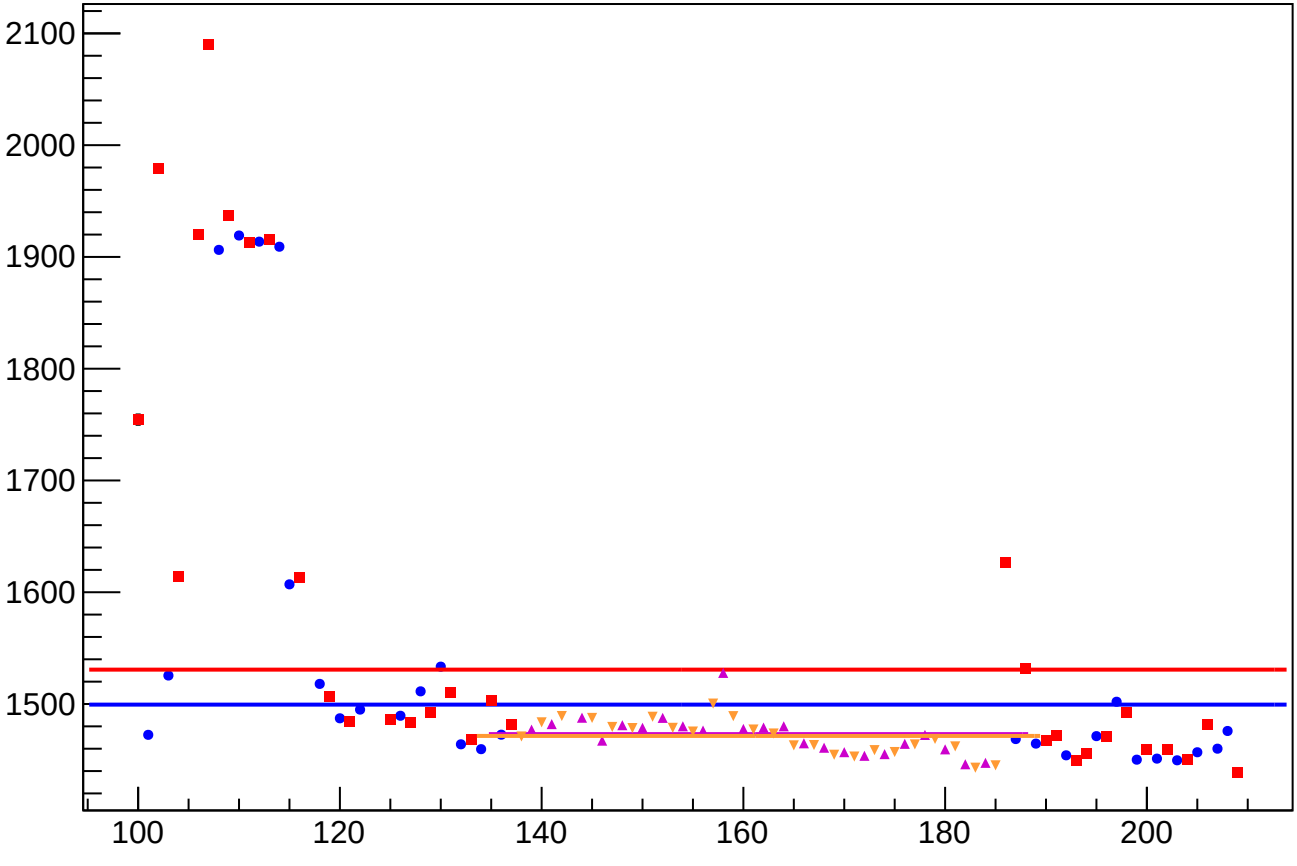
Right: 1895.178+/-264.849 χ^2/NDF: 45.3/57

In: 1939.996+/-254.262 χ^2/NDF:45.9/49

Out: 1522.034+/-251.481 χ^2/NDF:44.5/54

All: 1728.716+/-178.799 χ^2/NDF: 91.8/104

eigen_dit_asym_usl_atl1_avg_rms vs Slug, Sign Corrected



Right In: 1499.448+/-0.267 χ^2/NDF: 146589.3/26

Left Out: 1471.437+/-0.242 χ^2/NDF:3436.8/23

Right Out: 1530.753+/-0.263 χ^2/NDF: 299657.6/30

Left In: 1473.049+/-0.243 χ^2/NDF:4751.3/22

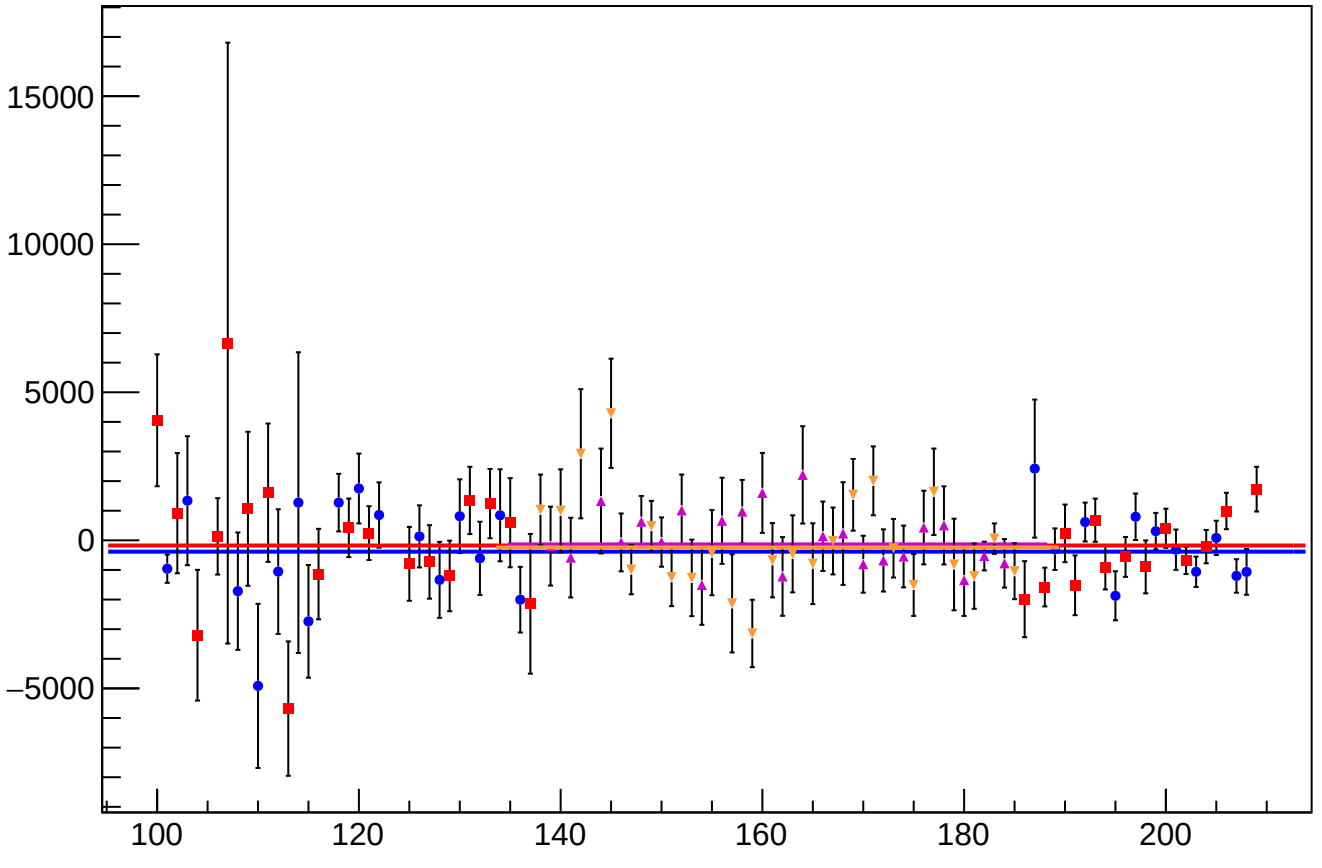
Left: 1472.237+/-0.171 χ^2/NDF: 8210.2/46

Right: 1515.348+/-0.187 χ^2/NDF: 453230.5/57

In: 1485.022+/-0.180 χ^2/NDF:156684.2/49

Out: 1498.600+/-0.178 χ^2/NDF:330714.2/54

All: 1491.885+/-0.126 χ^2/NDF: 490281.5/104



Right In: -383.019+/-166.327 χ^2/NDF: 34.7/26

Left Out: -240.269+/-221.788 χ^2/NDF:32.4/23

Right Out: -174.298+/-168.147 χ^2/NDF: 43.3/30

Left In: -138.421+/-218.478 χ^2/NDF:13.0/22

Left: -188.580+/-155.644 χ^2/NDF: 45.5/46

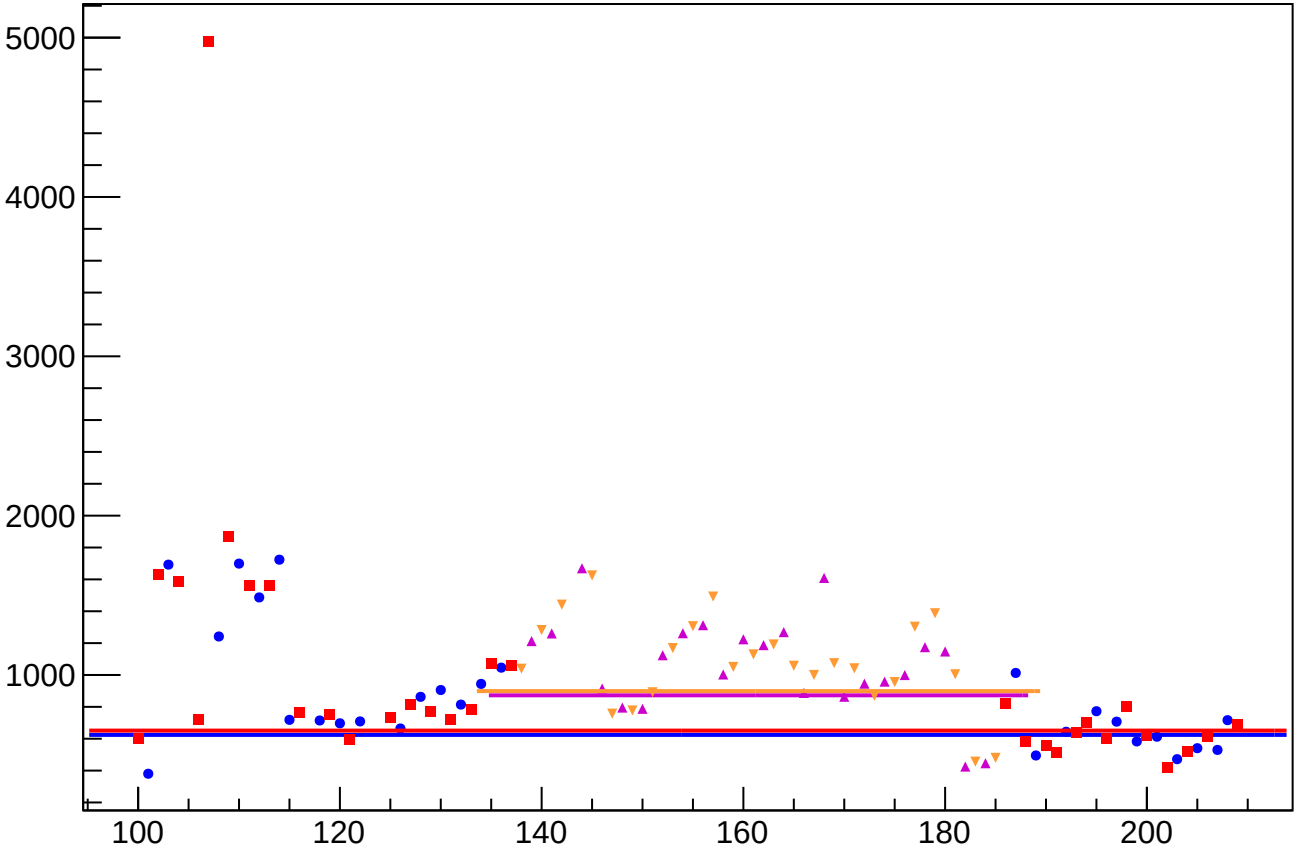
Right: -279.794+/-118.249 χ^2/NDF: 78.8/57

In: -293.271+/-132.341 χ^2/NDF:48.5/49

Out: -198.377+/-133.992 χ^2/NDF:75.8/54

All: -246.412+/-94.157 χ^2/NDF: 124.5/104

asym_usl_atl1_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 624.074+/-0.118 χ^2/NDF: 3090410.1/26

Left Out: 898.850+/-0.157 χ^2/NDF:3791537.4/23

Right Out: 651.019+/-0.119 χ^2/NDF: 3461012.2/30

Left In: 872.473+/-0.154 χ^2/NDF:4435524.1/22

Left: 885.463+/-0.110 χ^2/NDF: 8241417.9/46

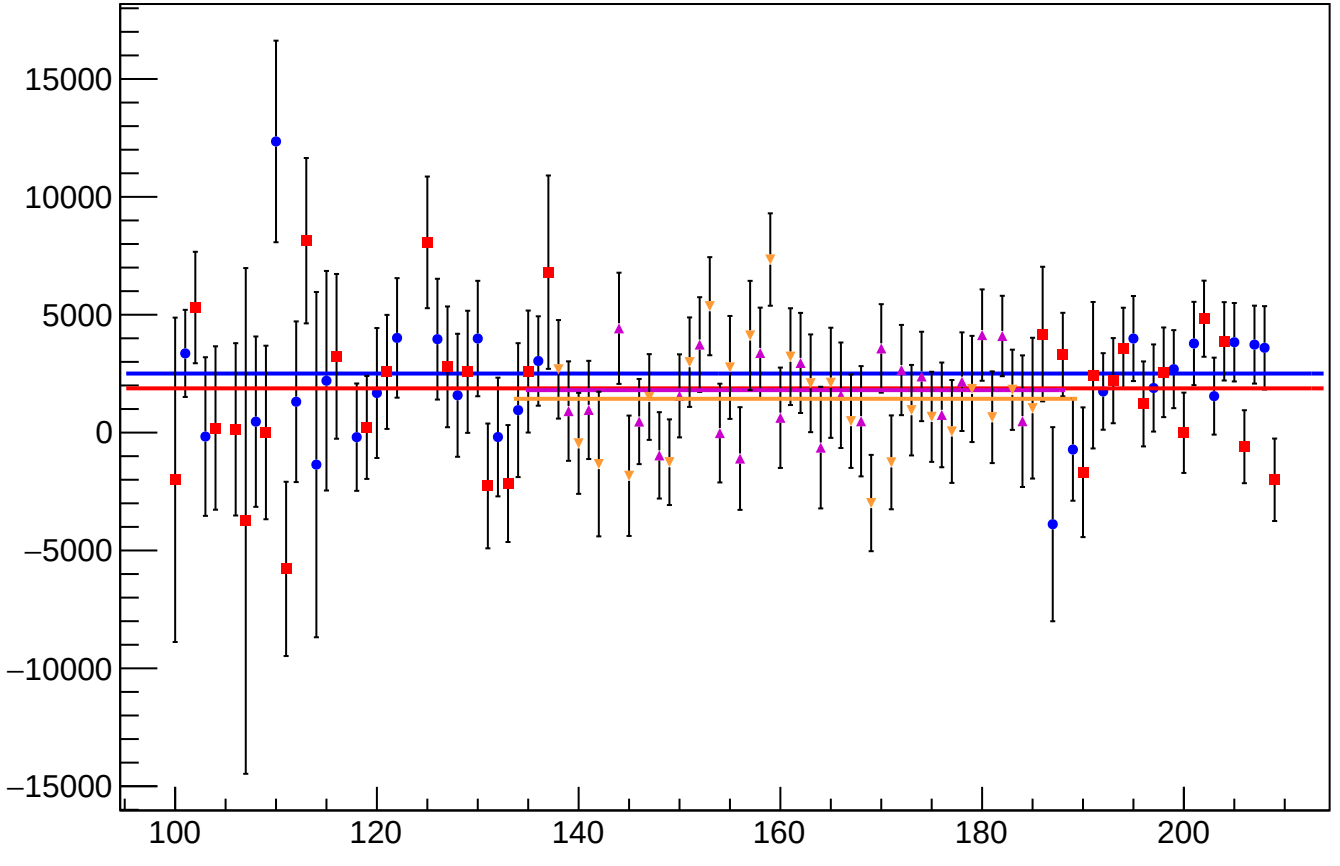
Right: 637.400+/-0.084 χ^2/NDF: 6577381.5/57

In: 715.216+/-0.094 χ^2/NDF:9162652.8/49

Out: 741.475+/-0.095 χ^2/NDF:8838334.2/54

All: 728.183+/-0.067 χ^2/NDF: 18039869.6/10

asym_usl_atl1_avg_mean vs Slug, Sign Corrected



Right In: 2505.248+/-425.325 χ^2/NDF: 19.1/26

Left Out: 1433.314+/-424.465 χ^2/NDF:29.4/23

Right Out: 1876.521+/-417.154 χ^2/NDF: 41.2/30

Left In: 1801.543+/-426.483 χ^2/NDF:15.3/22

Left: 1616.556+/-300.853 χ^2/NDF: 45.1/46

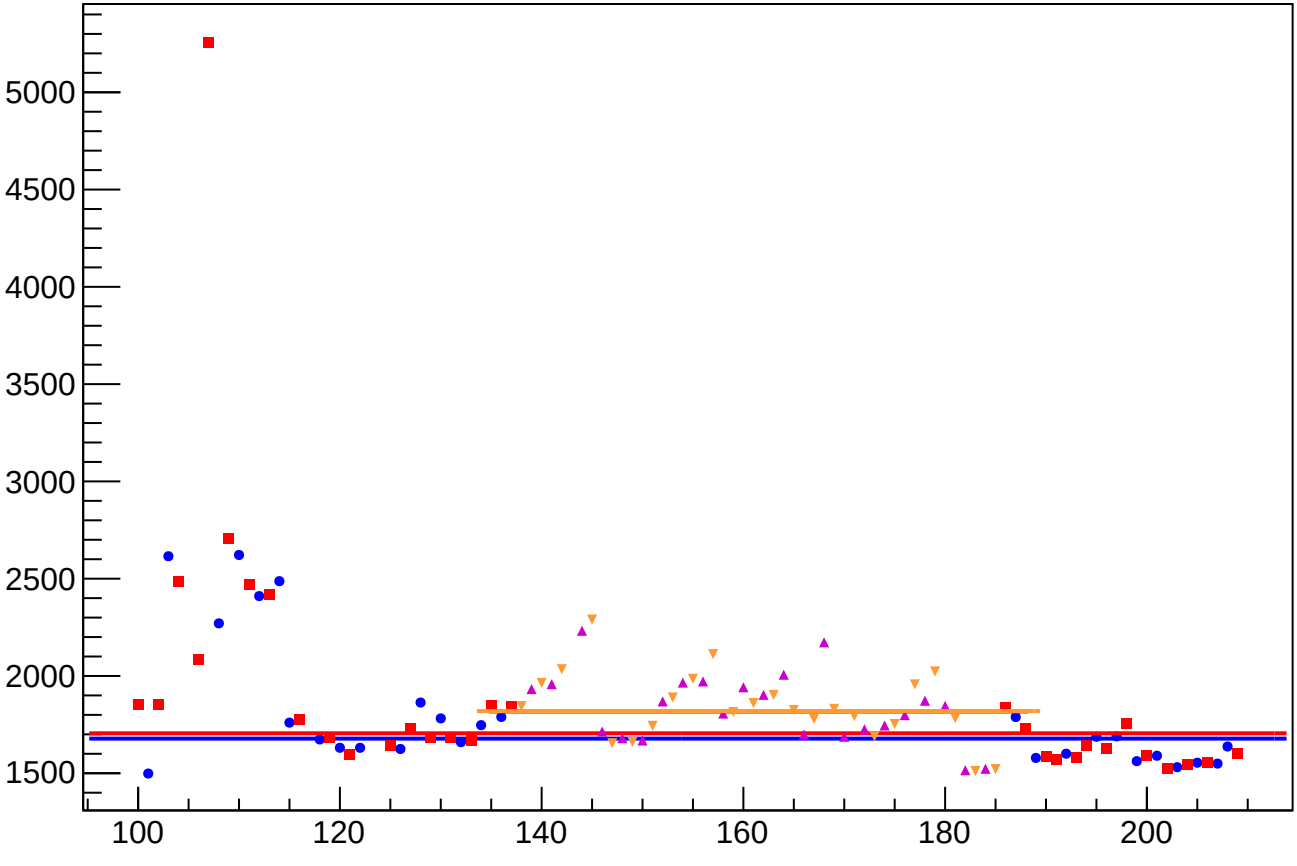
Right: 2184.788+/-297.819 χ^2/NDF: 61.5/57

In: 2154.352+/-301.159 χ^2/NDF:35.8/49

Out: 1658.768+/-297.524 χ^2/NDF:71.2/54

All: 1903.551+/-211.654 χ^2/NDF: 108.4/104

asym_usl_atl1_avg_rms vs Slug, Sign Corrected



Right In: 1677.996+/-0.301 χ^2/NDF: 532413.1/26

Left Out: 1819.417+/-0.300 χ^2/NDF:295015.0/23

Right Out: 1705.290+/-0.295 χ^2/NDF: 790266.3/30

Left In: 1817.142+/-0.302 χ^2/NDF:307103.2/22

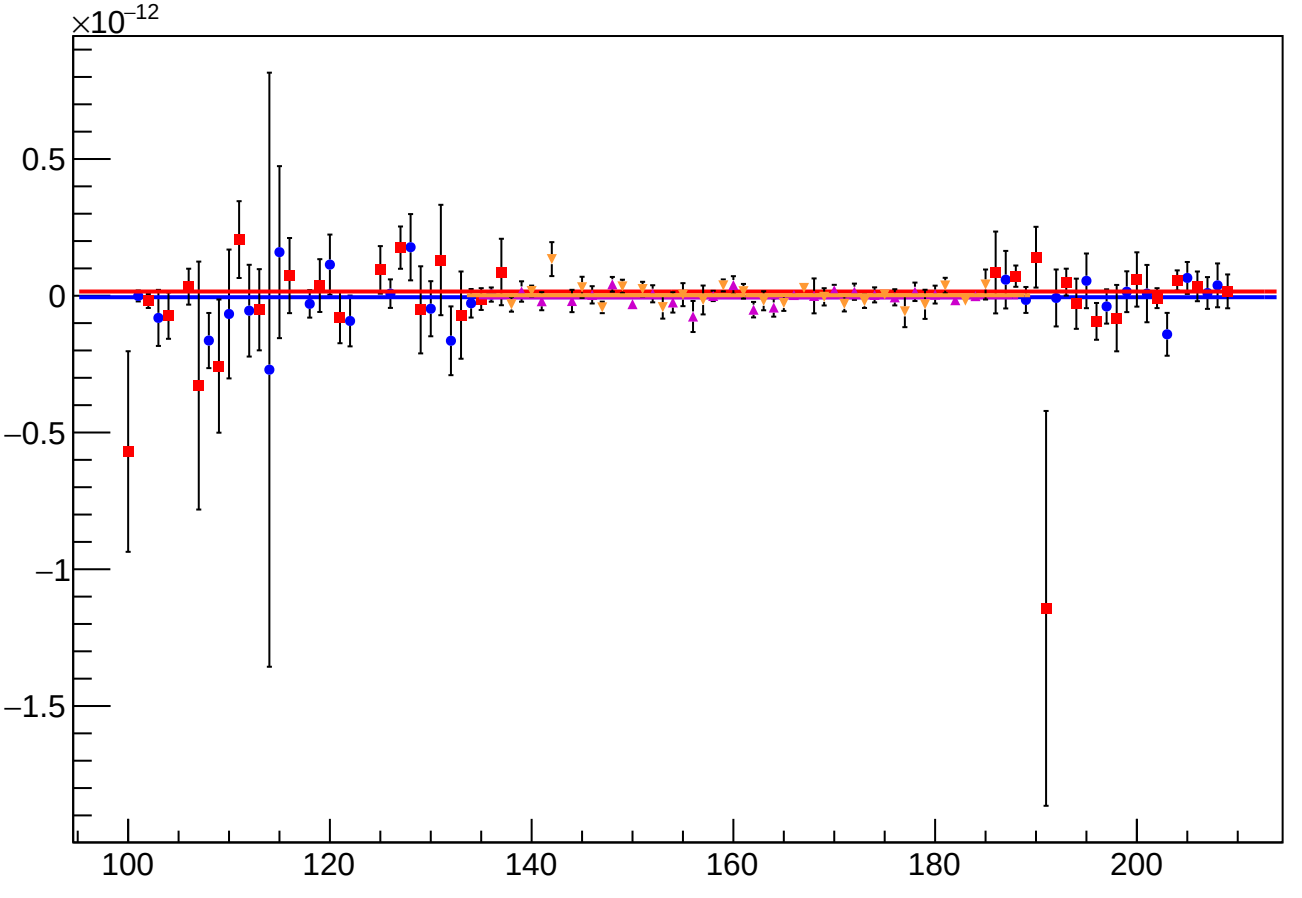
Left: 1818.285+/-0.213 χ^2/NDF: 602146.8/46

Right: 1691.908+/-0.211 χ^2/NDF: 1326877.5/57

In: 1747.380+/-0.213 χ^2/NDF:946253.5/49

Out: 1761.362+/-0.210 χ^2/NDF:1158829.8/54

All: 1754.456+/-0.150 χ^2/NDF: 2107265.3/10



Right In: -0.000+/-0.000 χ^2/NDF: 16.3/26

Left Out: 0.000+/-0.000 χ^2/NDF:29.3/23

Right Out: 0.000+/-0.000 χ^2/NDF: 29.5/30

Left In: -0.000+/-0.000 χ^2/NDF:17.9/22

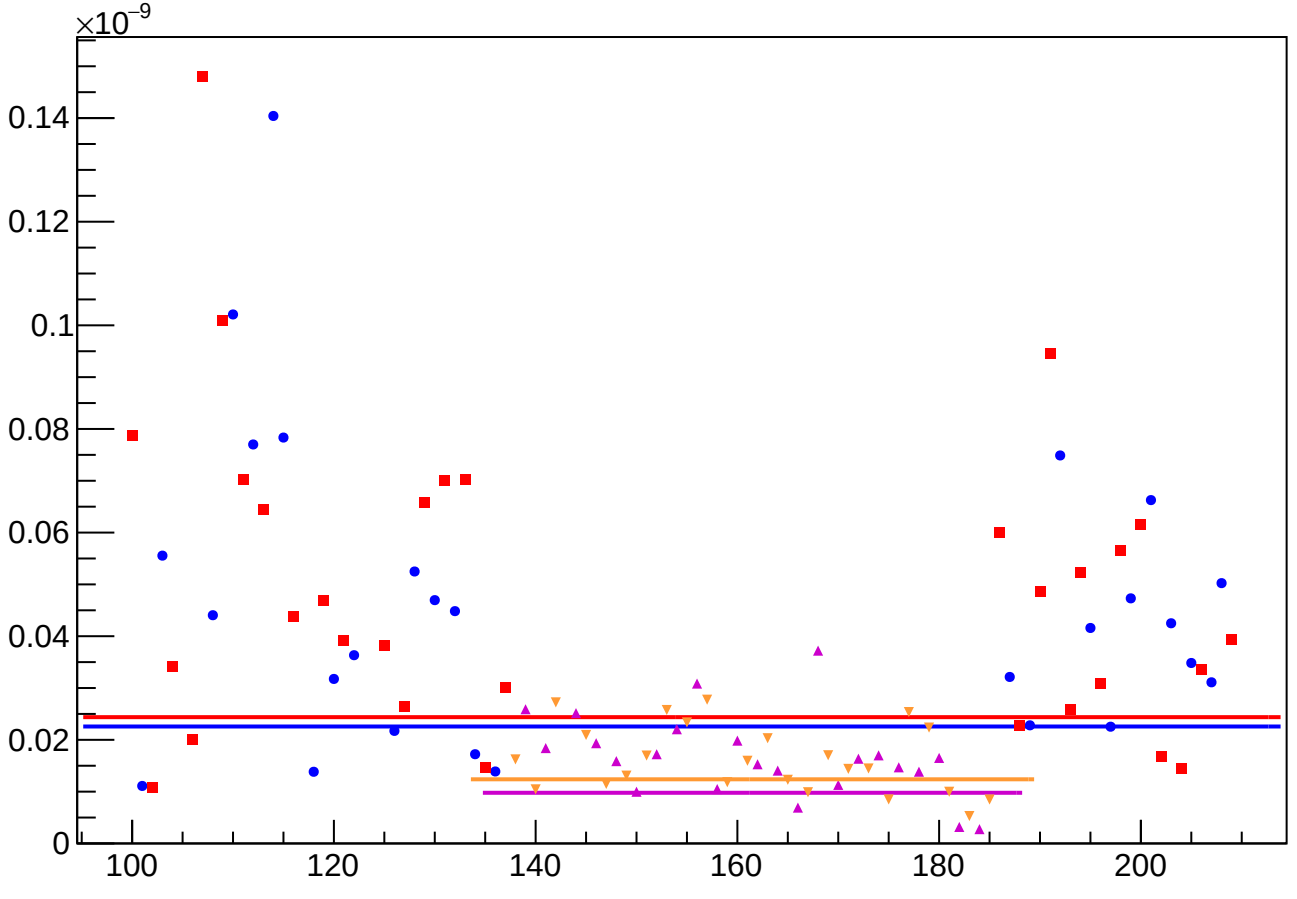
Left: -0.000+/-0.000 χ^2/NDF: 48.5/46

Right: 0.000+/-0.000 χ^2/NDF: 47.4/57

In: -0.000+/-0.000 χ^2/NDF:34.2/49

Out: 0.000+/-0.000 χ^2/NDF:59.9/54

All: -0.000+/-0.000 χ^2/NDF: 96.6/104



Right In: 0.000+/-0.000 χ^2/NDF: 3805933.6/26

Left Out: 0.000+/-0.000 χ^2/NDF:1898110.3/23

Right Out: 0.000+/-0.000 χ^2/NDF: 3399378.6/30

Left In: 0.000+/-0.000 χ^2/NDF:4499862.2/22

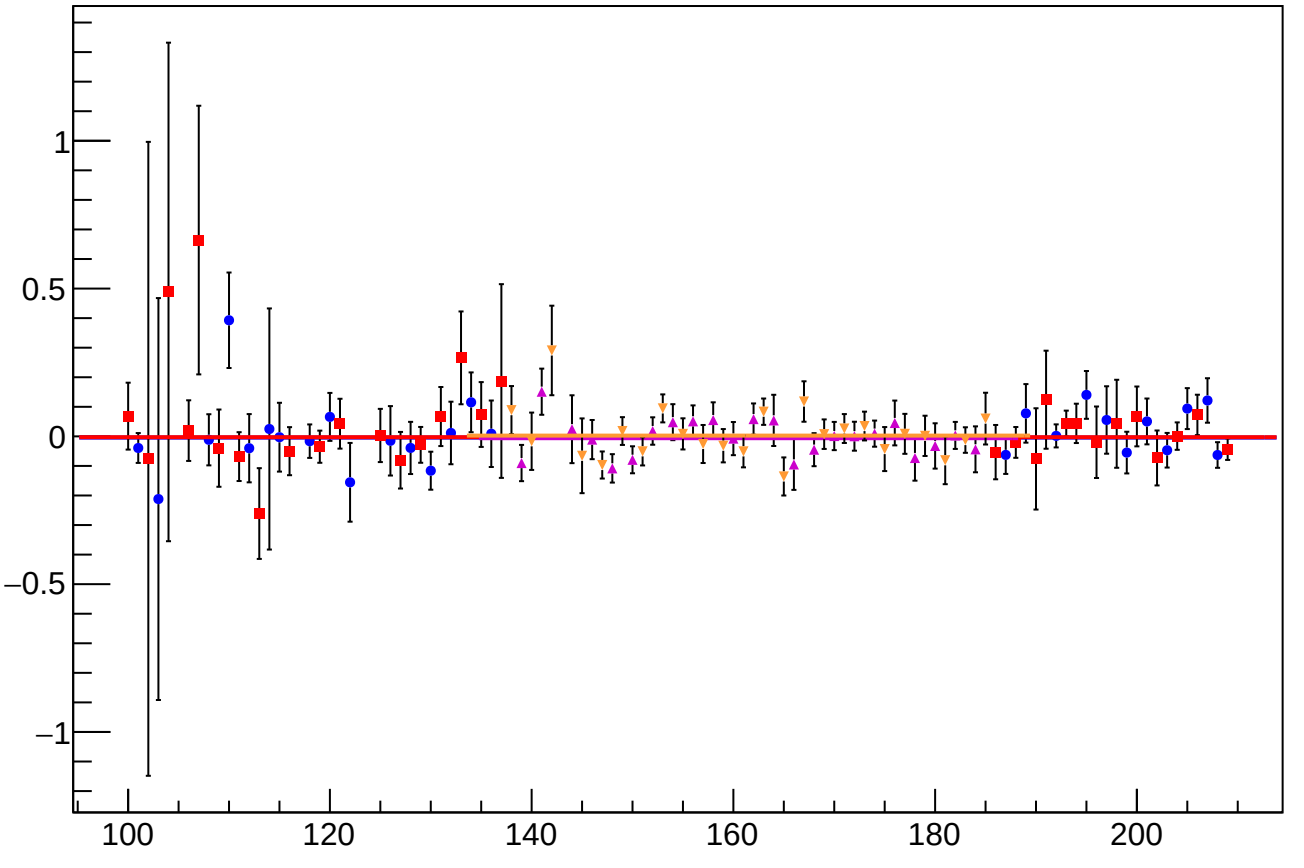
Left: 0.000+/-0.000 χ^2/NDF: 6671683.2/46

Right: 0.000+/-0.000 χ^2/NDF: 7229920.7/57

In: 0.000+/-0.000 χ^2/NDF:10530687.1/49

Out: 0.000+/-0.000 χ^2/NDF:7022093.8/54

All: 0.000+/-0.000 χ^2/NDF: 17914310.8/104



Right In: -0.004+/-0.014 χ^2/NDF: 26.6/26

Left Out: 0.003+/-0.012 χ^2/NDF:29.9/23

Right Out: -0.003+/-0.014 χ^2/NDF: 19.0/30

Left In: -0.006+/-0.012 χ^2/NDF:21.6/22

Left: -0.002+/-0.008 χ^2/NDF: 51.8/46

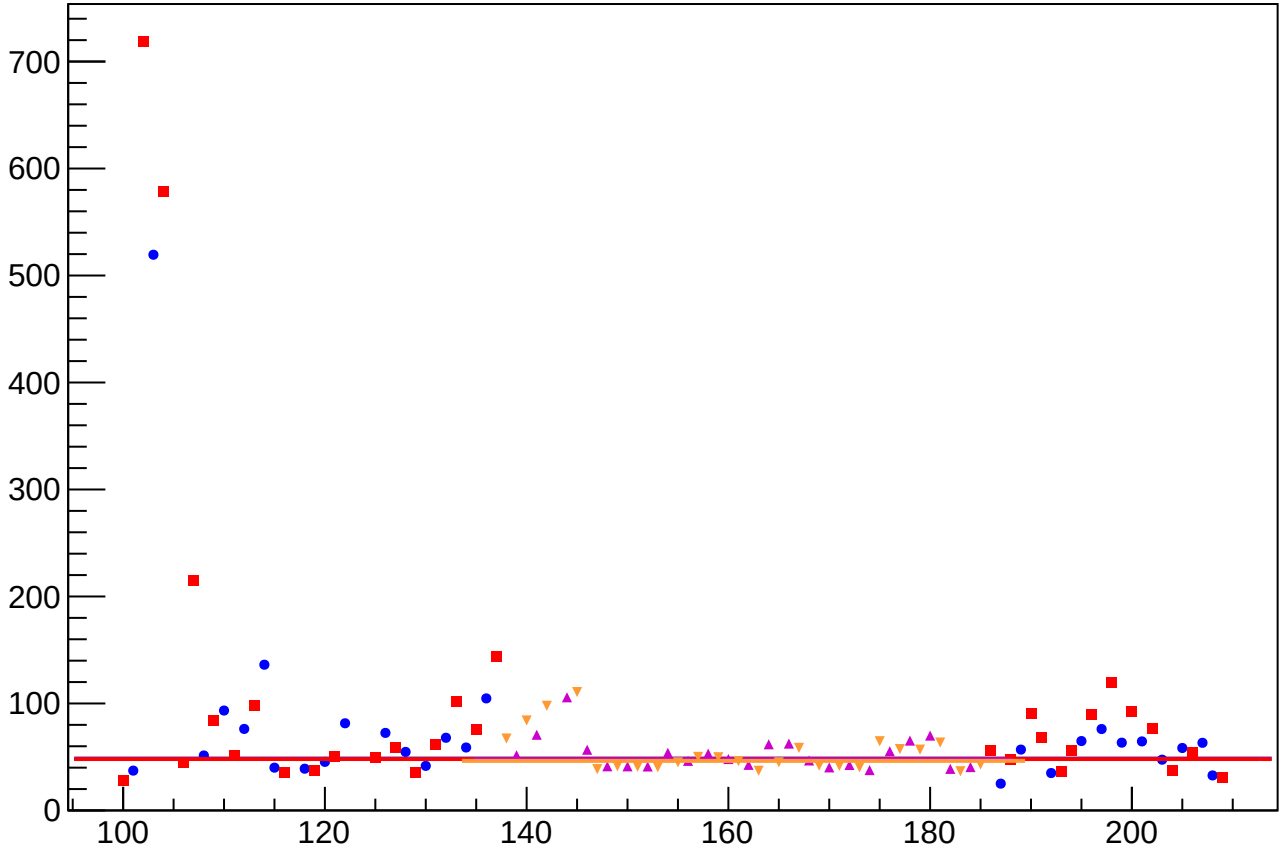
Right: -0.003+/-0.010 χ^2/NDF: 45.6/57

In: -0.005+/-0.009 χ^2/NDF:48.3/49

Out: 0.000+/-0.009 χ^2/NDF:48.9/54

All: -0.002+/-0.007 χ^2/NDF: 97.4/104

asym_usl_atl1_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 48.446+/-0.010 χ^2/NDF: 3596547.5/26

Left Out: 46.353+/-0.008 χ^2/NDF:1967753.2/23

Right Out: 48.066+/-0.010 χ^2/NDF: 5276838.4/30

Left In: 47.575+/-0.009 χ^2/NDF:1576196.2/22

Left: 46.952+/-0.006 χ^2/NDF: 3554287.7/46

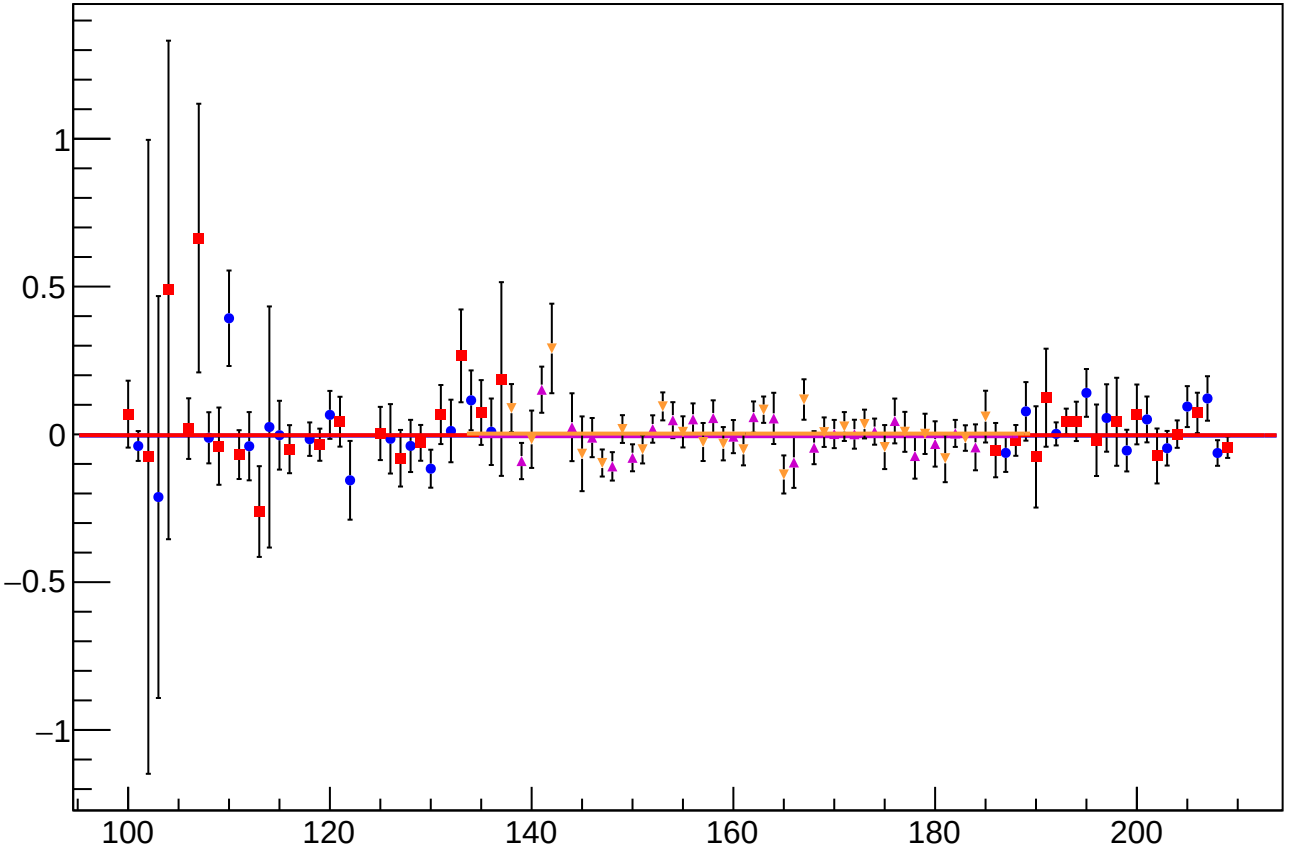
Right: 48.254+/-0.007 χ^2/NDF: 8874080.7/57

In: 47.934+/-0.007 χ^2/NDF:5176990.3/49

Out: 47.051+/-0.006 χ^2/NDF:7261478.7/54

All: 47.485+/-0.005 χ^2/NDF: 12447614.4/104

asym_usl_atl1_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.004+/-0.014 χ^2/NDF: 26.6/26

Left Out: 0.003+/-0.012 χ^2/NDF:29.9/23

Right Out: -0.003+/-0.014 χ^2/NDF: 19.0/30

Left In: -0.006+/-0.012 χ^2/NDF:21.6/22

Left: -0.002+/-0.008 χ^2/NDF: 51.8/46

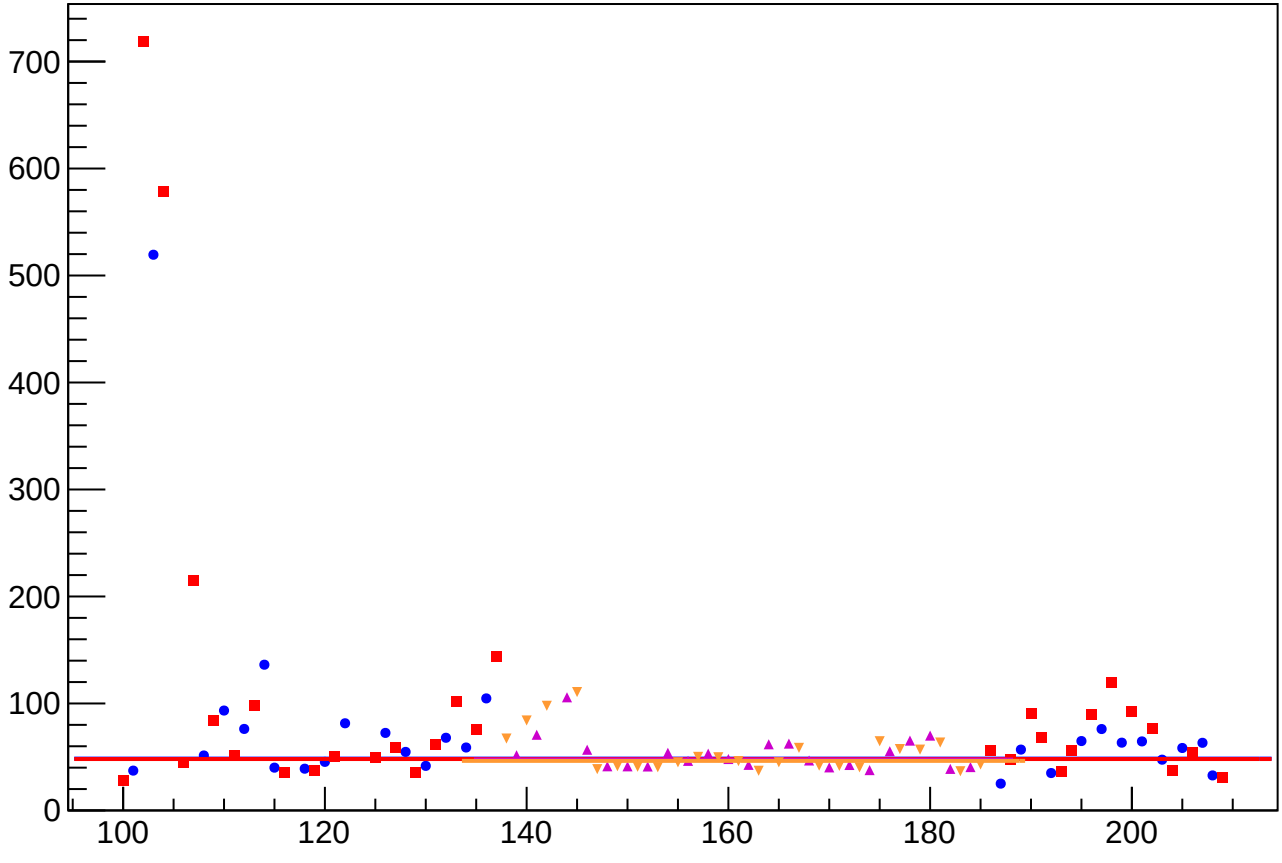
Right: -0.003+/-0.010 χ^2/NDF: 45.6/57

In: -0.005+/-0.009 χ^2/NDF:48.3/49

Out: 0.000+/-0.009 χ^2/NDF:48.9/54

All: -0.002+/-0.007 χ^2/NDF: 97.4/104

asym_usl_atl1_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 48.446+/-0.010 χ^2/NDF: 3596547.5/26

Left Out: 46.353+/-0.008 χ^2/NDF:1967753.2/23

Right Out: 48.066+/-0.010 χ^2/NDF: 5276838.4/30

Left In: 47.575+/-0.009 χ^2/NDF:1576196.2/22

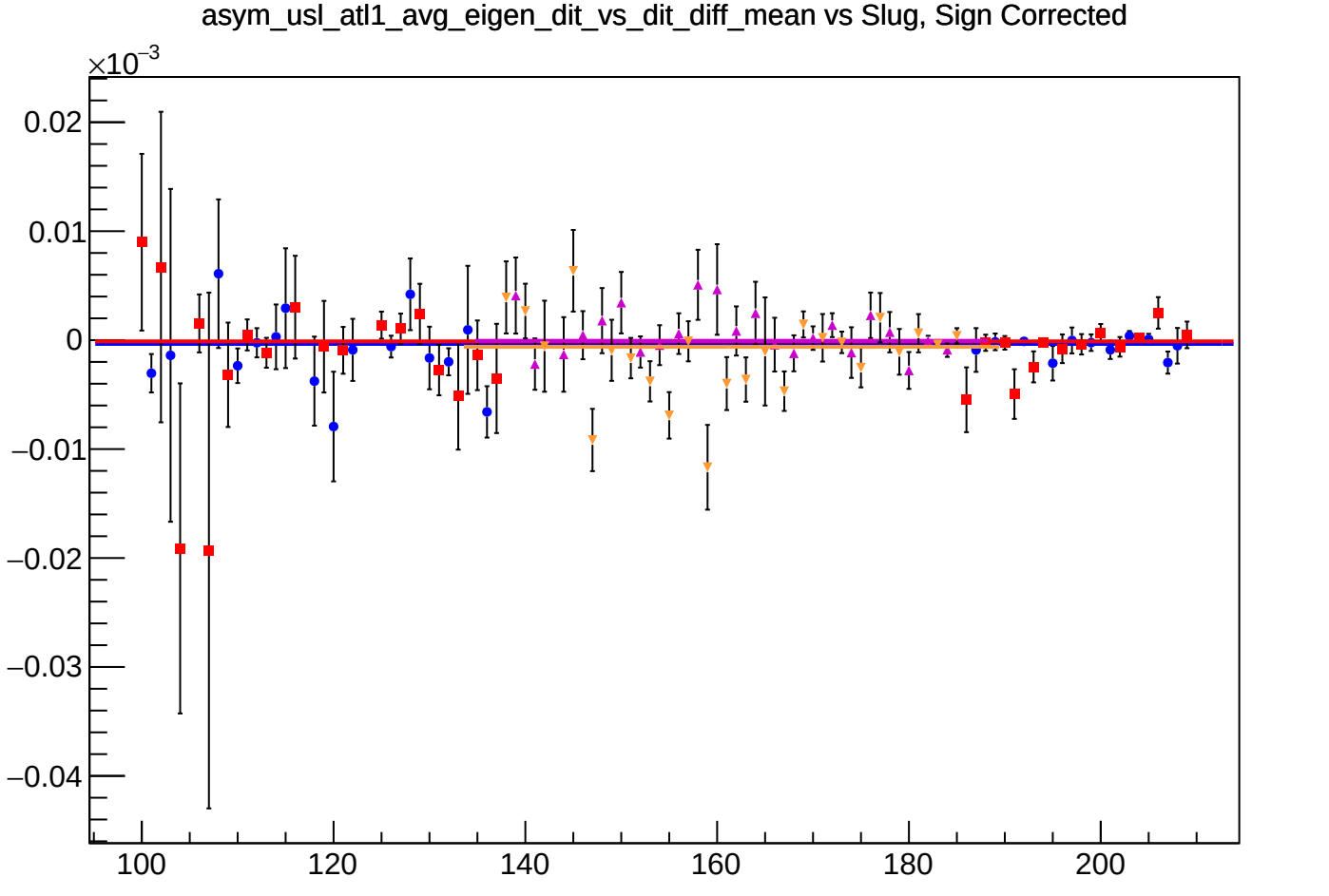
Left: 46.952+/-0.006 χ^2/NDF: 3554287.7/46

Right: 48.254+/-0.007 χ^2/NDF: 8874080.7/57

In: 47.934+/-0.007 χ^2/NDF:5176990.3/49

Out: 47.051+/-0.006 χ^2/NDF:7261478.7/54

All: 47.485+/-0.005 χ^2/NDF: 12447614.4/104



Right In: -0.000+/-0.000 χ^2/NDF: 27.5/26

Left Out: -0.000+/-0.000 χ^2/NDF:54.0/23

Right Out: -0.000+/-0.000 χ^2/NDF: 28.3/30

Left In: -0.000+/-0.000 χ^2/NDF:17.9/22

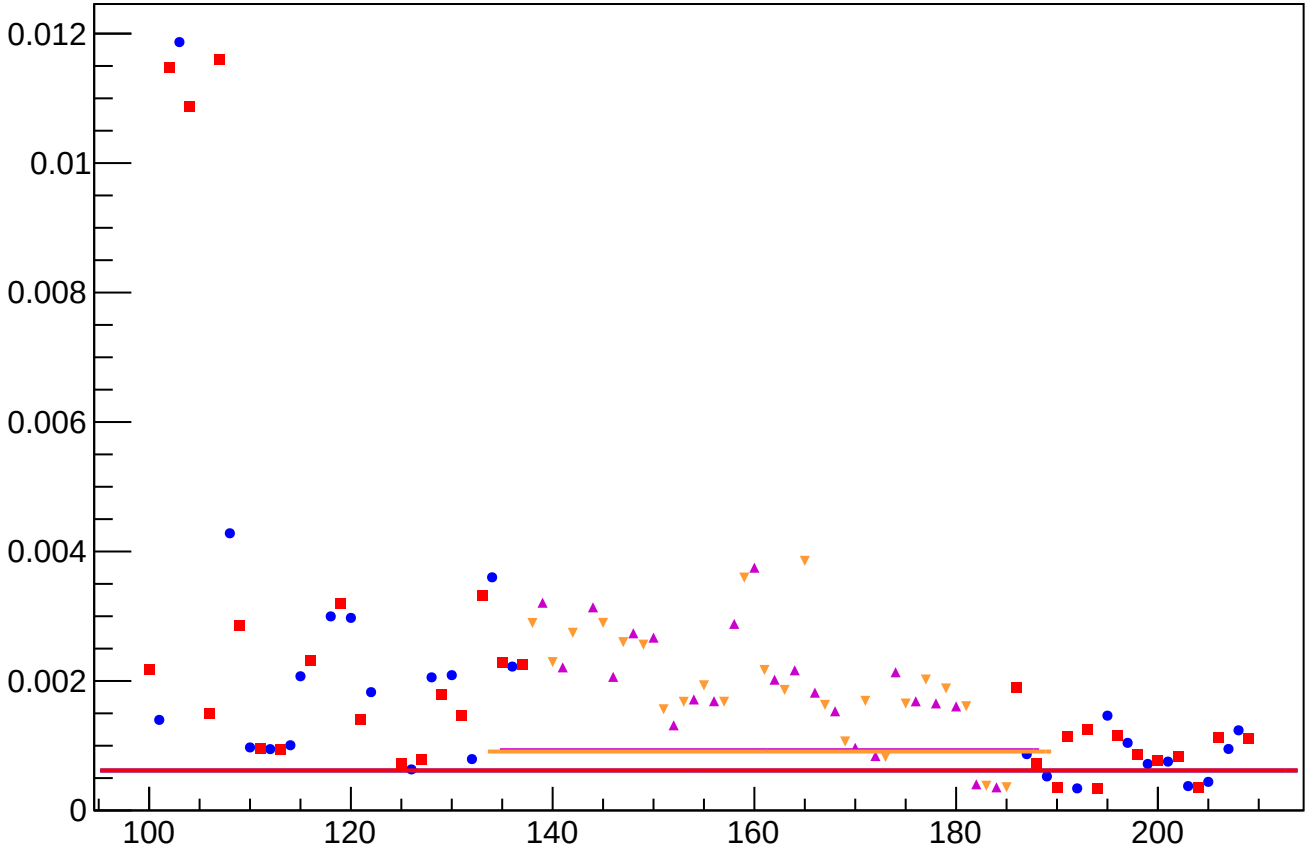
Left: -0.000+/-0.000 χ^2/NDF: 73.8/46

Right: -0.000+/-0.000 χ^2/NDF: 56.6/57

In: -0.000+/-0.000 χ^2/NDF:46.2/49

Out: -0.000+/-0.000 χ^2/NDF:84.4/54

All: -0.000+/-0.000 χ^2/NDF: 130.5/104



Right In: 0.001+/-0.000 χ^2/NDF: 9508335.7/26

Left Out: 0.001+/-0.000 χ^2/NDF:14137356.3/23

Right Out: 0.001+/-0.000 χ^2/NDF: 11258292.3/30

Left In: 0.001+/-0.000 χ^2/NDF:13690985.6/22

Left: 0.001+/-0.000 χ^2/NDF: 27833708.7/46

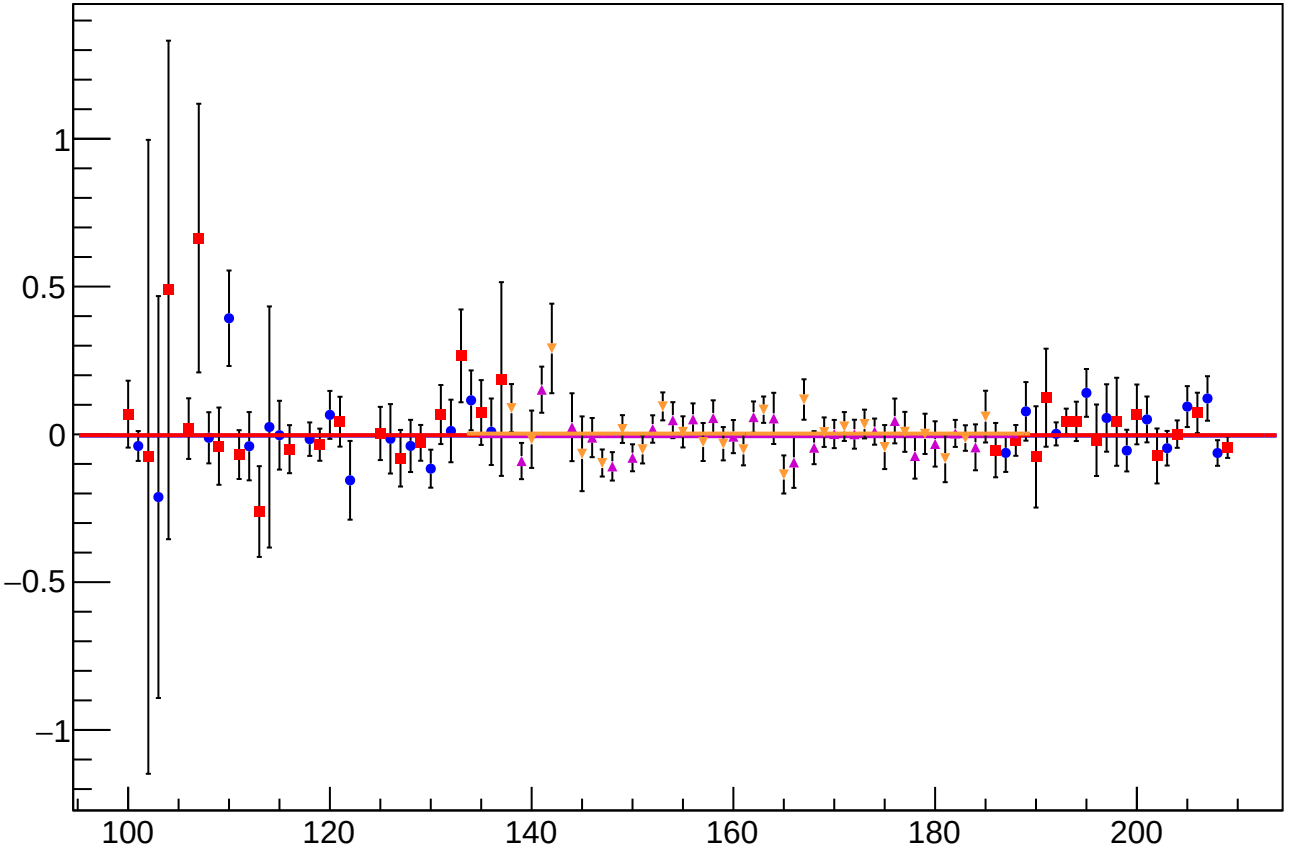
Right: 0.001+/-0.000 χ^2/NDF: 20766700.6/57

In: 0.001+/-0.000 χ^2/NDF:24868348.1/49

Out: 0.001+/-0.000 χ^2/NDF:26886564.8/54

All: 0.001+/-0.000 χ^2/NDF: 51756623.1/104

asym_usl_atl1_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.004+/-0.014 χ^2/NDF: 26.6/26

Left Out: 0.003+/-0.012 χ^2/NDF:29.9/23

Right Out: -0.003+/-0.014 χ^2/NDF: 19.0/30

Left In: -0.006+/-0.012 χ^2/NDF:21.6/22

Left: -0.002+/-0.008 χ^2/NDF: 51.8/46

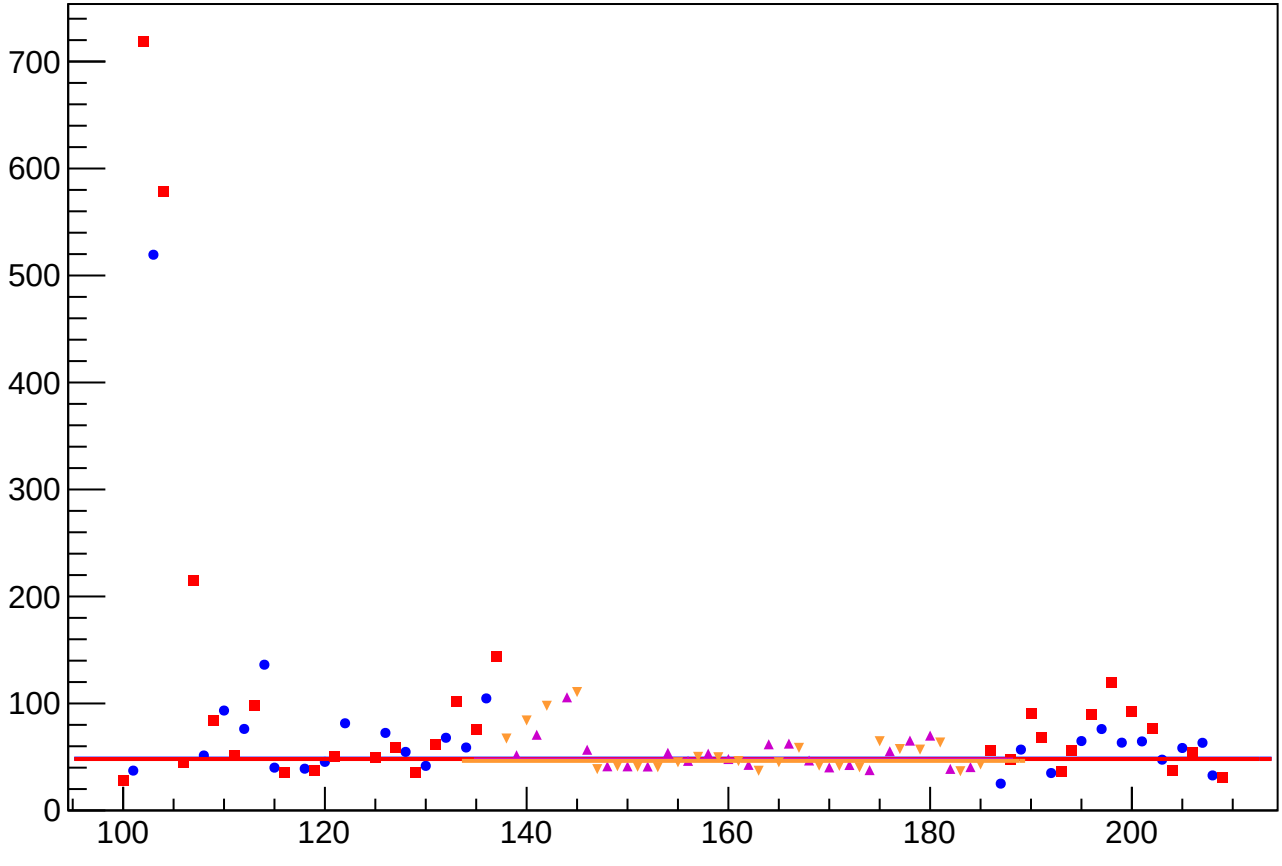
Right: -0.003+/-0.010 χ^2/NDF: 45.6/57

In: -0.005+/-0.009 χ^2/NDF:48.3/49

Out: 0.000+/-0.009 χ^2/NDF:48.9/54

All: -0.002+/-0.007 χ^2/NDF: 97.4/104

asym_usl_atl1_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 48.446+/-0.010 χ^2/NDF: 3596571.5/26

Left Out: 46.354+/-0.008 χ^2/NDF:1967741.3/23

Right Out: 48.066+/-0.010 χ^2/NDF: 5276818.0/30

Left In: 47.575+/-0.009 χ^2/NDF:1576204.5/22

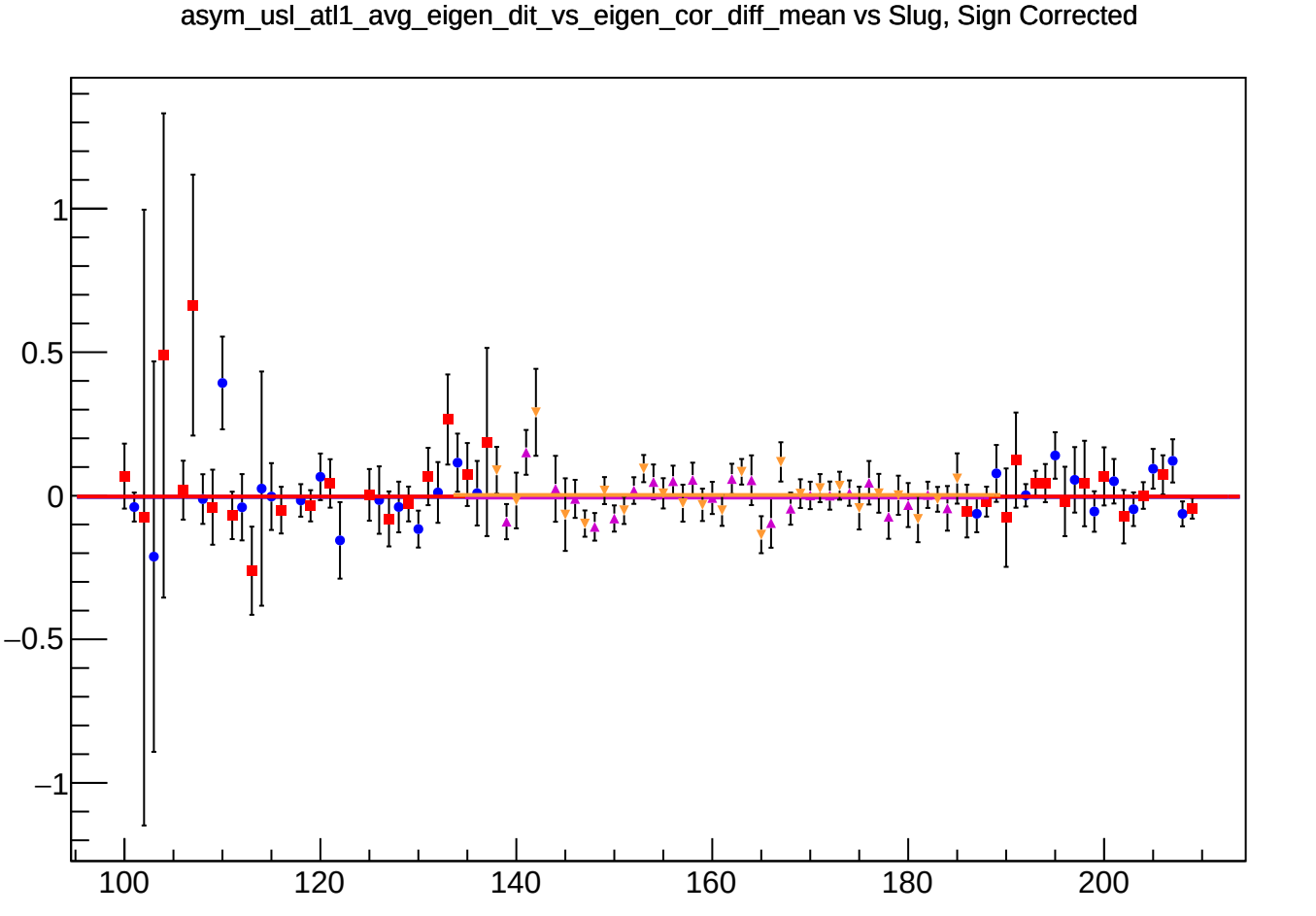
Left: 46.952+/-0.006 χ^2/NDF: 3554282.4/46

Right: 48.254+/-0.007 χ^2/NDF: 8874084.6/57

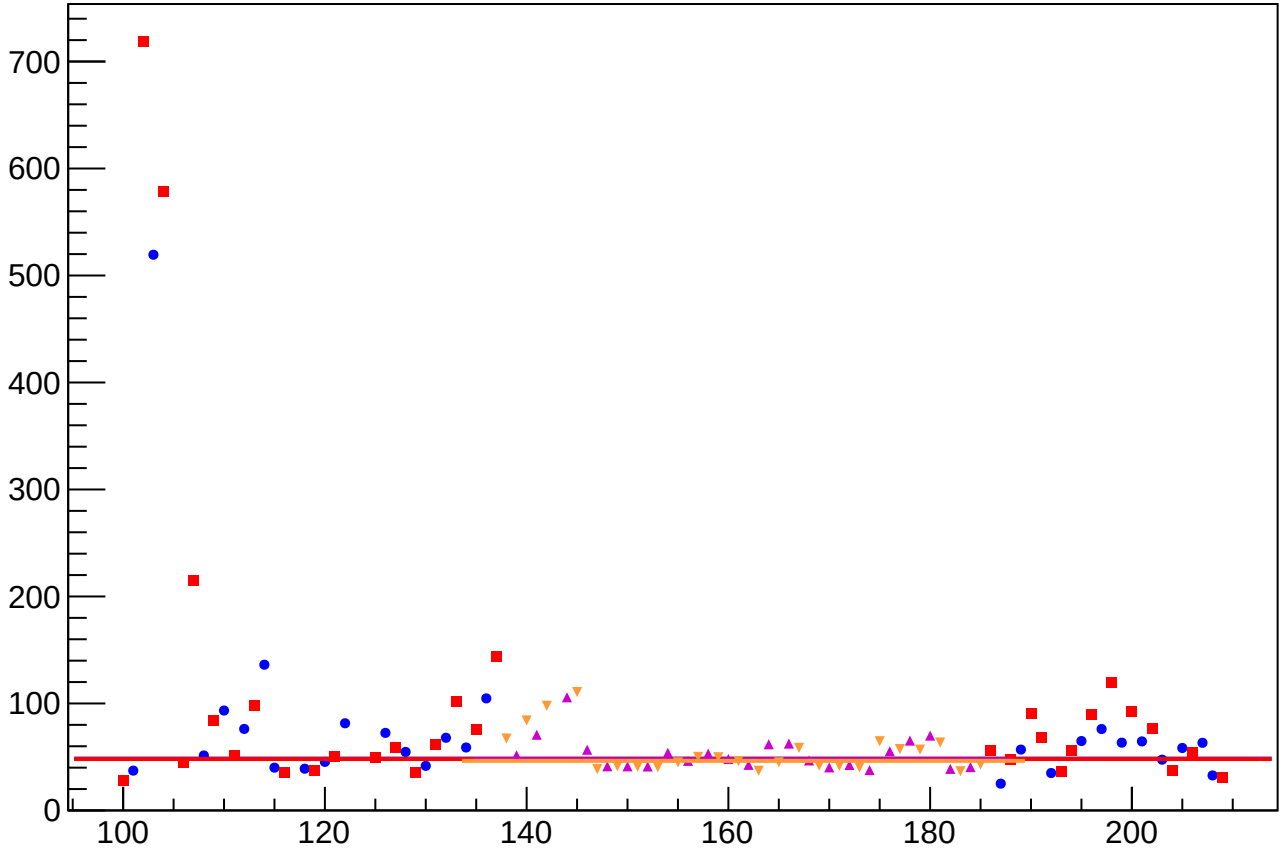
In: 47.934+/-0.007 χ^2/NDF:5177021.1/49

Out: 47.051+/-0.006 χ^2/NDF:7261439.9/54

All: 47.485+/-0.005 χ^2/NDF: 12447606.0/104


asym_usl_atl1_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected
1
0.5
0
−0.5
−1
100
120
140
160
180
200
Right In: -0.004+/-0.014 χ²/NDF: 26.6/26
Left Out: 0.003+/-0.012 χ²/NDF:29.9/23
Right Out: -0.003+/-0.014 χ²/NDF: 19.0/30
Left In: -0.006+/-0.012 χ²/NDF:21.6/22
Left: -0.002+/-0.008 χ²/NDF: 51.8/46
Right: -0.003+/-0.010 χ²/NDF: 45.6/57
In: -0.005+/-0.009 χ²/NDF:48.3/49
Out: 0.000+/-0.009 χ²/NDF:48.9/54
All: -0.002+/-0.007 χ²/NDF: 97.4/104

asym_usl_atl1_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 48.446+/-0.010 χ^2/NDF: 3596571.5/26

Left Out: 46.354+/-0.008 χ^2/NDF:1967741.3/23

Right Out: 48.066+/-0.010 χ^2/NDF: 5276818.0/30

Left In: 47.575+/-0.009 χ^2/NDF:1576204.5/22

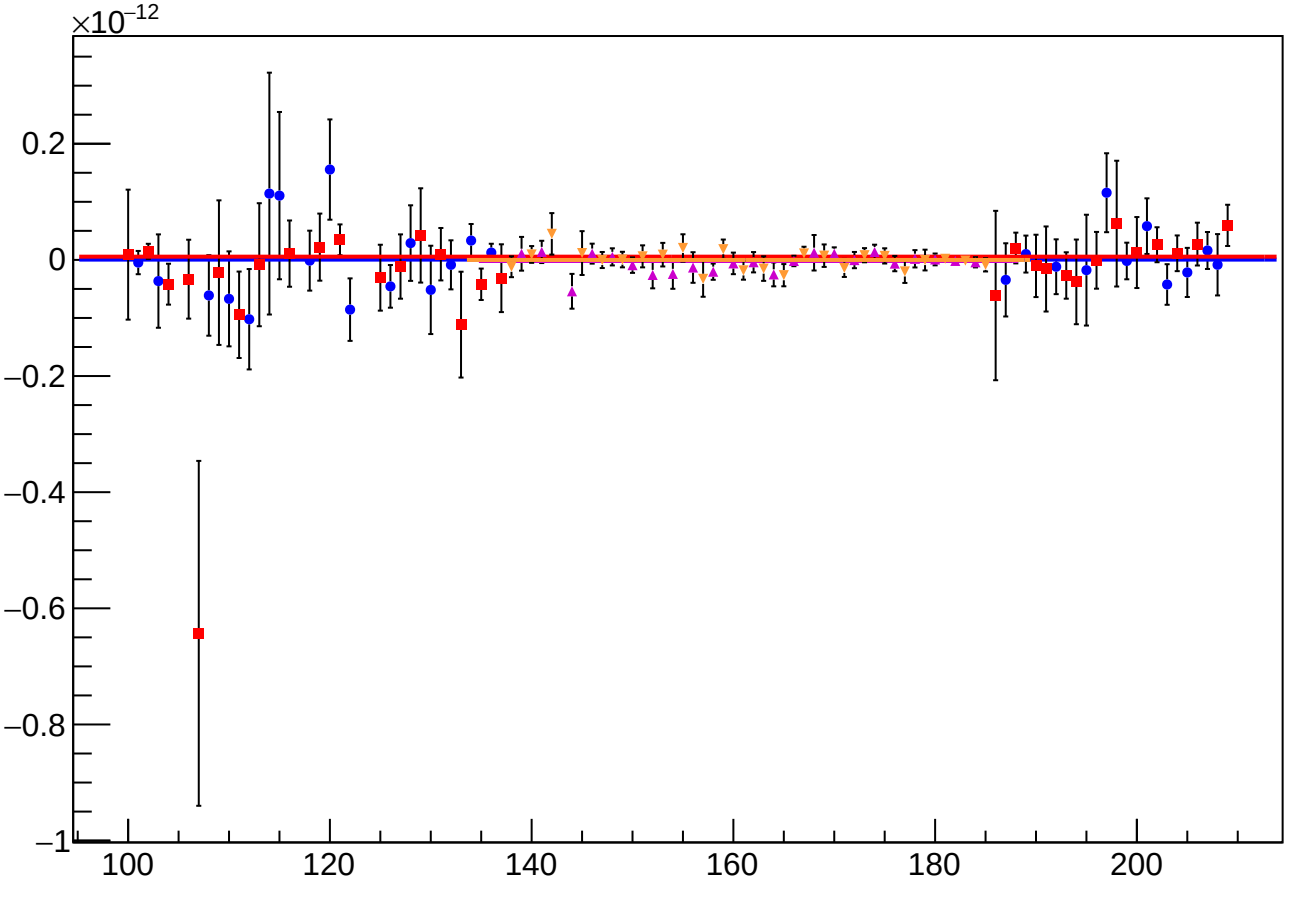
Left: 46.952+/-0.006 χ^2/NDF: 3554282.4/46

Right: 48.254+/-0.007 χ^2/NDF: 8874084.6/57

In: 47.934+/-0.007 χ^2/NDF:5177021.1/49

Out: 47.051+/-0.006 χ^2/NDF:7261439.9/54

All: 47.485+/-0.005 χ^2/NDF: 12447606.0/104



Right In: 0.000+/-0.000 χ^2/NDF: 20.9/26

Left Out: -0.000+/-0.000 χ^2/NDF:13.9/23

Right Out: 0.000+/-0.000 χ^2/NDF: 21.6/30

Left In: -0.000+/-0.000 χ^2/NDF:13.4/22

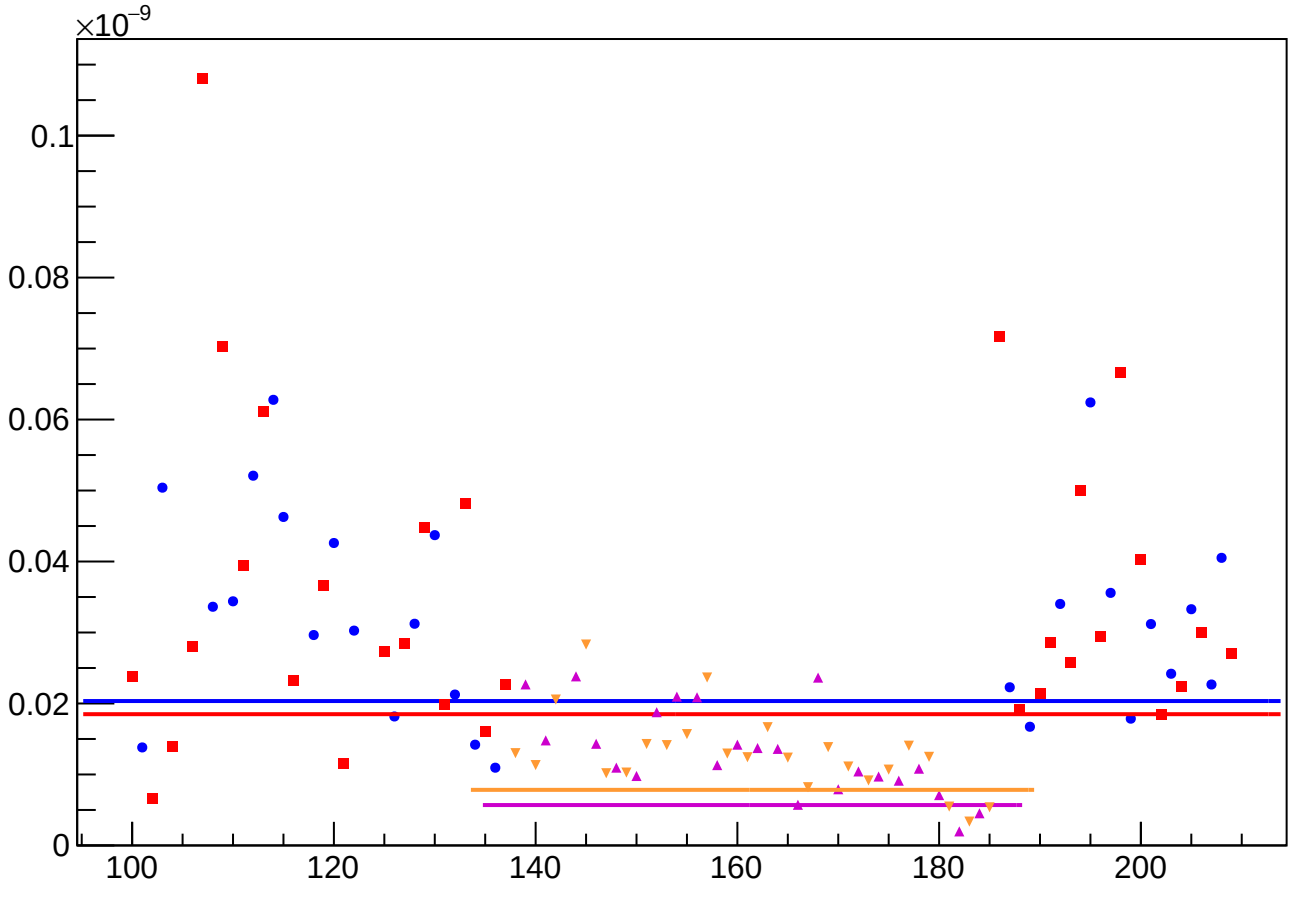
Left: -0.000+/-0.000 χ^2/NDF: 27.5/46

Right: 0.000+/-0.000 χ^2/NDF: 42.8/57

In: -0.000+/-0.000 χ^2/NDF:34.4/49

Out: 0.000+/-0.000 χ^2/NDF:36.0/54

All: -0.000+/-0.000 χ^2/NDF: 70.9/104



Right In: 0.000+/-0.000 χ^2/NDF: 3731675.2/26

Left Out: 0.000+/-0.000 χ^2/NDF:6422392.2/23

Right Out: 0.000+/-0.000 χ^2/NDF: 5513292.3/30

Left In: 0.000+/-0.000 χ^2/NDF:11199324.6/22

Left: 0.000+/-0.000 χ^2/NDF: 18452669.5/46

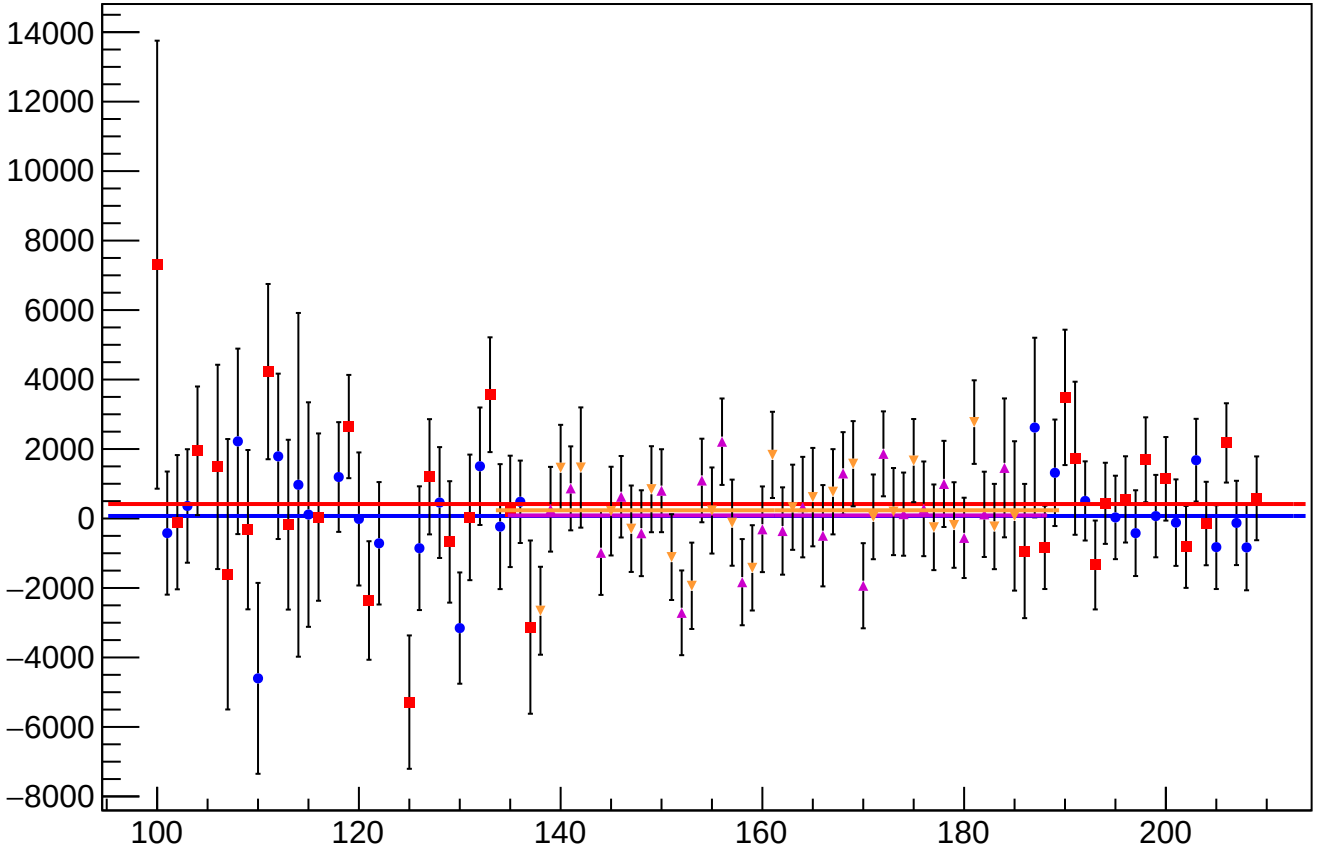
Right: 0.000+/-0.000 χ^2/NDF: 9308640.5/57

In: 0.000+/-0.000 χ^2/NDF:21899341.2/49

Out: 0.000+/-0.000 χ^2/NDF:15914623.3/54

All: 0.000+/-0.000 χ^2/NDF: 38859845.4/104

reg_asym_usl_atl1_dd_mean vs Slug, Sign Corrected



Right In: 72.656+/-294.616 χ^2/NDF: 15.1/26

Left Out: 236.601+/-259.669 χ^2/NDF:22.7/23

Right Out: 416.654+/-287.642 χ^2/NDF: 36.3/30

Left In: 88.380+/-261.602 χ^2/NDF:20.9/22

Left: 163.040+/-184.293 χ^2/NDF: 43.8/46

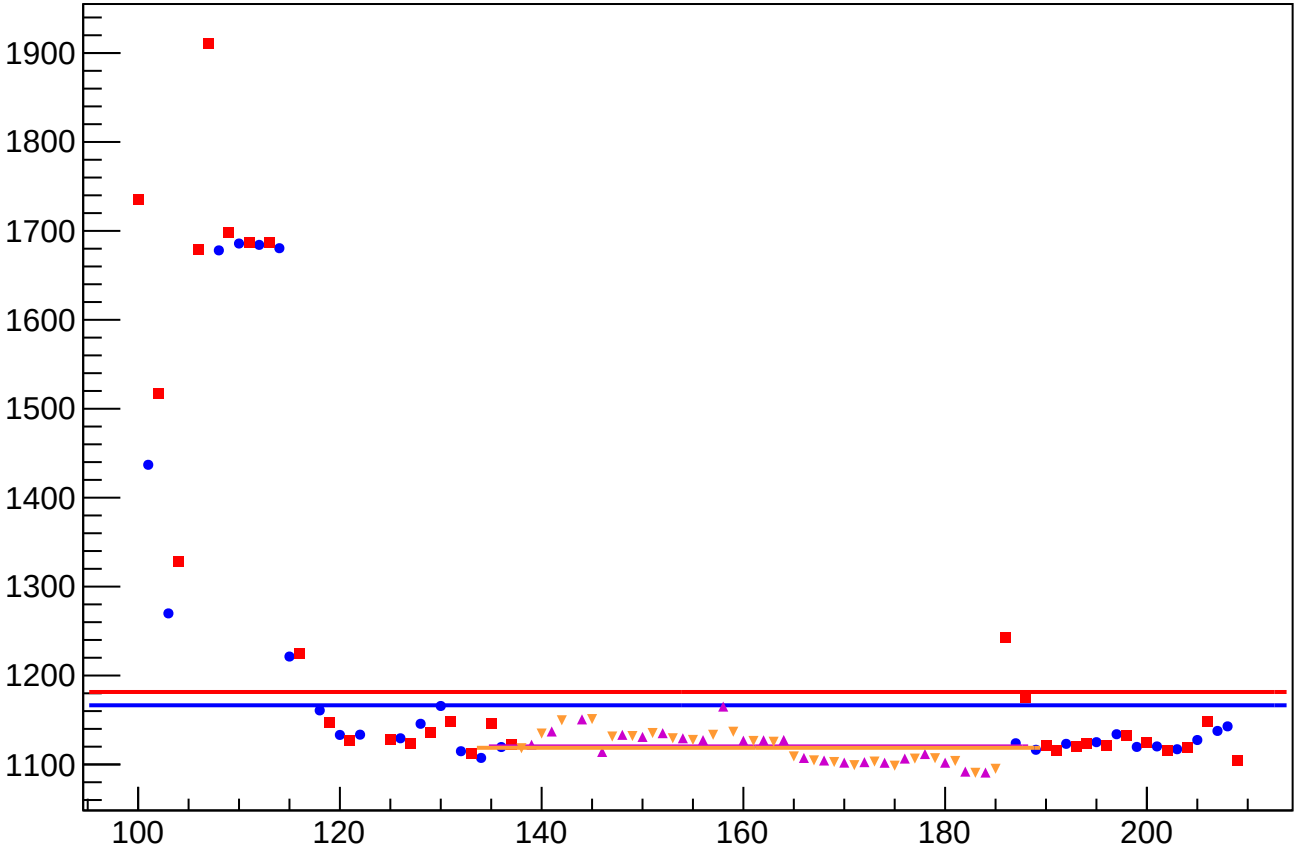
Right: 248.775+/-205.815 χ^2/NDF: 52.0/57

In: 81.448+/-195.616 χ^2/NDF:35.9/49

Out: 317.449+/-192.746 χ^2/NDF:59.2/54

All: 201.192+/-137.296 χ^2/NDF: 95.9/104

reg_asym_usl_atl1_dd_rms vs Slug, Sign Corrected



Right In: 1166.531+/-0.208 χ^2/NDF: 348596.8/26

Left Out: 1118.733+/-0.184 χ^2/NDF:8205.0/23

Right Out: 1181.492+/-0.203 χ^2/NDF: 546602.5/30

Left In: 1120.308+/-0.185 χ^2/NDF:9479.7/22

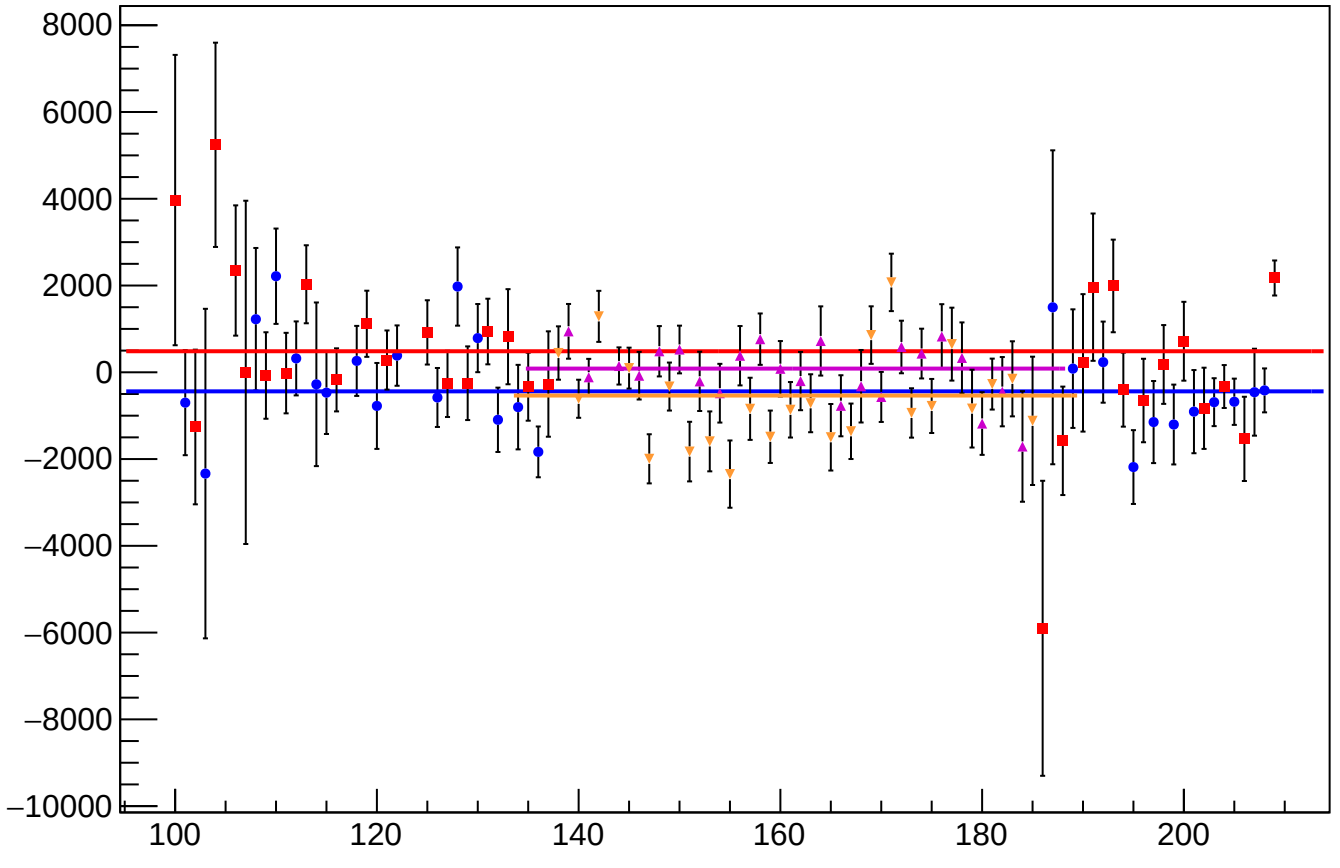
Left: 1119.515+/-0.130 χ^2/NDF: 17721.2/46

Right: 1174.191+/-0.146 χ^2/NDF: 897840.1/57

In: 1140.686+/-0.138 χ^2/NDF:385602.6/49

Out: 1146.914+/-0.136 χ^2/NDF:607265.8/54

All: 1143.846+/-0.097 χ^2/NDF: 993897.0/104



Right In: -439.390+/-161.483 χ^2/NDF: 33.6/26

Left Out: -535.899+/-130.646 χ^2/NDF:61.6/23

Right Out: 485.166+/-158.663 χ^2/NDF: 55.0/30

Left In: 85.254+/-130.966 χ^2/NDF:17.1/22

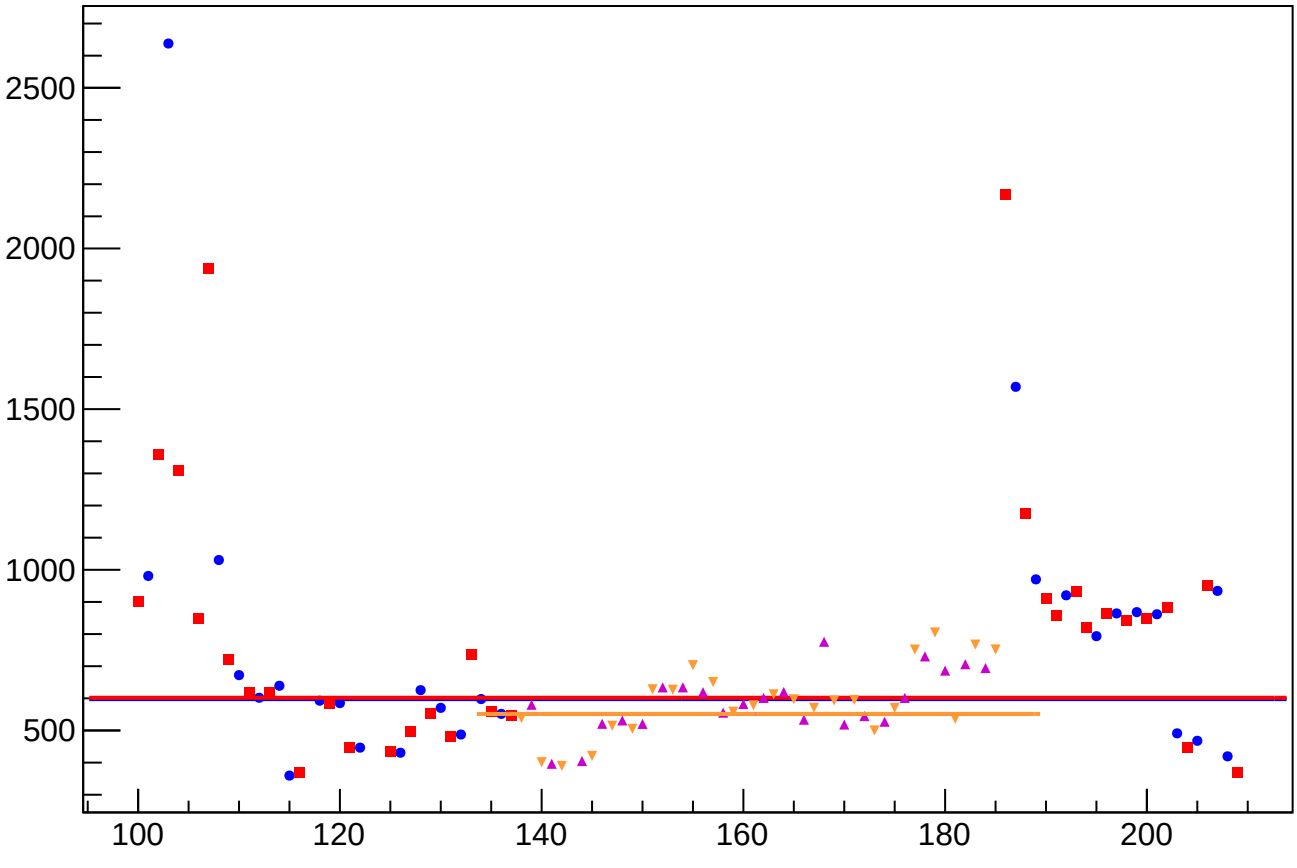
Left: -226.082+/-92.494 χ^2/NDF: 90.0/46

Right: 31.030+/-113.176 χ^2/NDF: 105.2/57

In: -122.911+/-101.718 χ^2/NDF:57.1/49

Out: -123.330+/-100.855 χ^2/NDF:141.3/54

All: -123.122+/-71.618 χ^2/NDF: 198.3/104



Right In: 597.538+/-0.114 χ^2/NDF: 3114920.2/26

Left Out: 551.440+/-0.092 χ^2/NDF:1226616.4/23

Right Out: 601.815+/-0.112 χ^2/NDF: 4444424.4/30

Left In: 551.336+/-0.093 χ^2/NDF:1061764.2/22

Left: 551.388+/-0.065 χ^2/NDF: 2288381.2/46

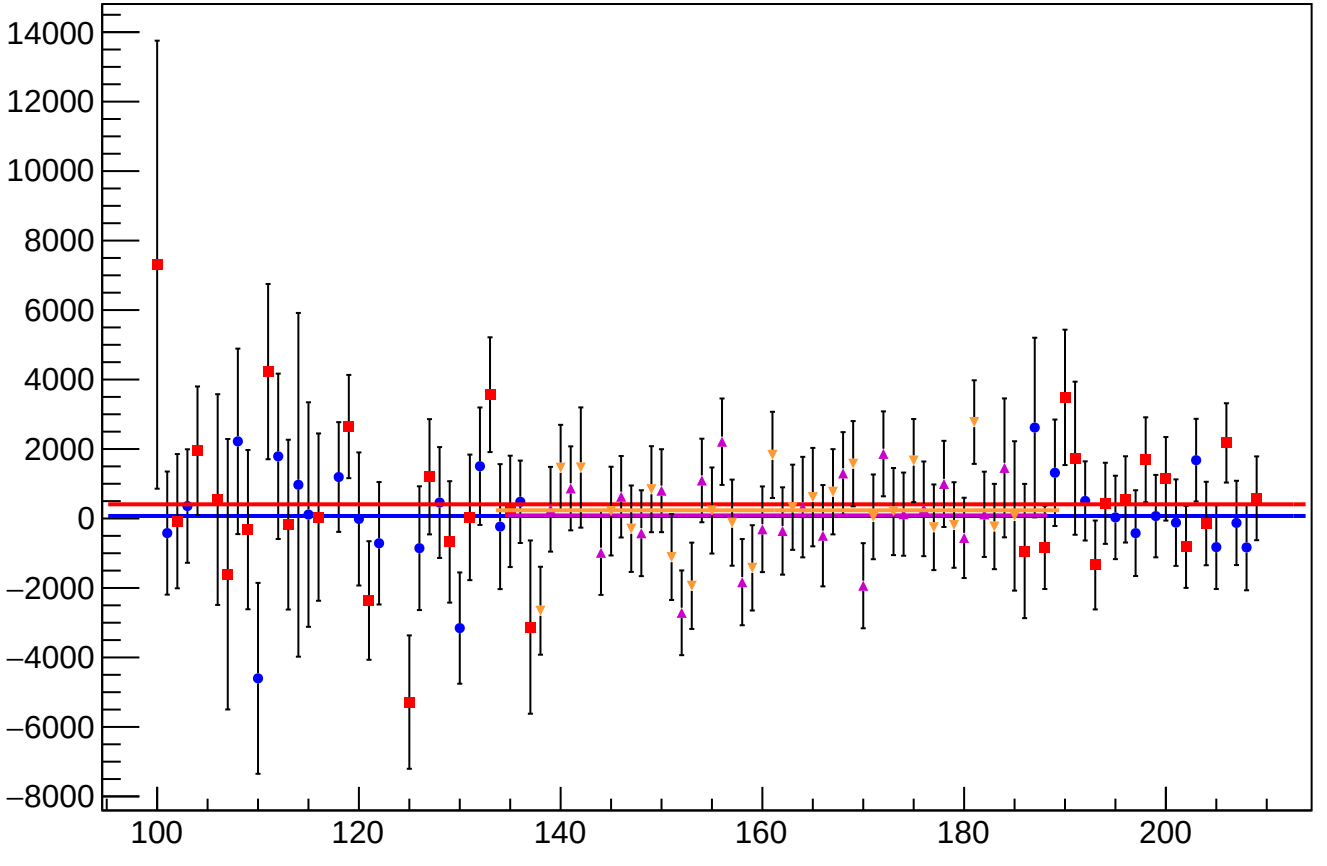
Right: 599.714+/-0.080 χ^2/NDF: 7560058.4/57

In: 569.668+/-0.072 χ^2/NDF:4275443.6/49

Out: 571.794+/-0.071 χ^2/NDF:5791187.2/54

All: 570.740+/-0.051 χ^2/NDF: 10067071.5/10

cor_asym_usl_atl1_dd_mean vs Slug, Sign Corrected



Right In: 72.501+/-294.616 χ^2/NDF: 15.1/26

Left Out: 236.642+/-259.669 χ^2/NDF:22.7/23

Right Out: 408.237+/-287.725 χ^2/NDF: 36.1/30

Left In: 88.370+/-261.602 χ^2/NDF:20.9/22

Left: 163.056+/-184.293 χ^2/NDF: 43.8/46

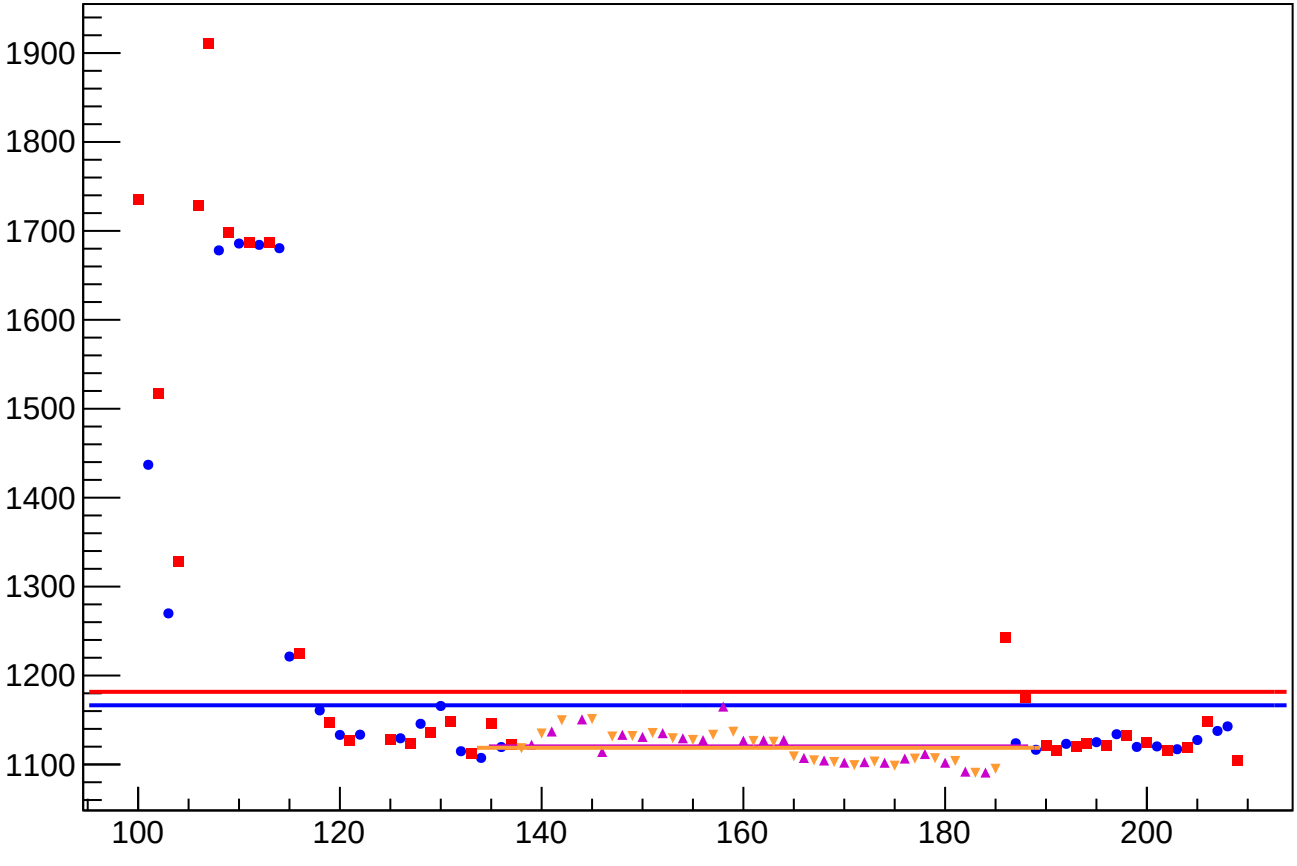
Right: 244.341+/-205.846 χ^2/NDF: 51.9/57

In: 81.374+/-195.616 χ^2/NDF:35.9/49

Out: 313.668+/-192.772 χ^2/NDF:59.1/54

All: 199.222+/-137.305 χ^2/NDF: 95.7/104

cor_asym_usl_atl1_dd_rms vs Slug, Sign Corrected



Right In: 1166.531+/-0.208 χ^2/NDF: 348596.9/26

Left Out: 1118.733+/-0.184 χ^2/NDF:8205.0/23

Right Out: 1181.657+/-0.203 χ^2/NDF: 554521.0/30

Left In: 1120.308+/-0.185 χ^2/NDF:9479.7/22

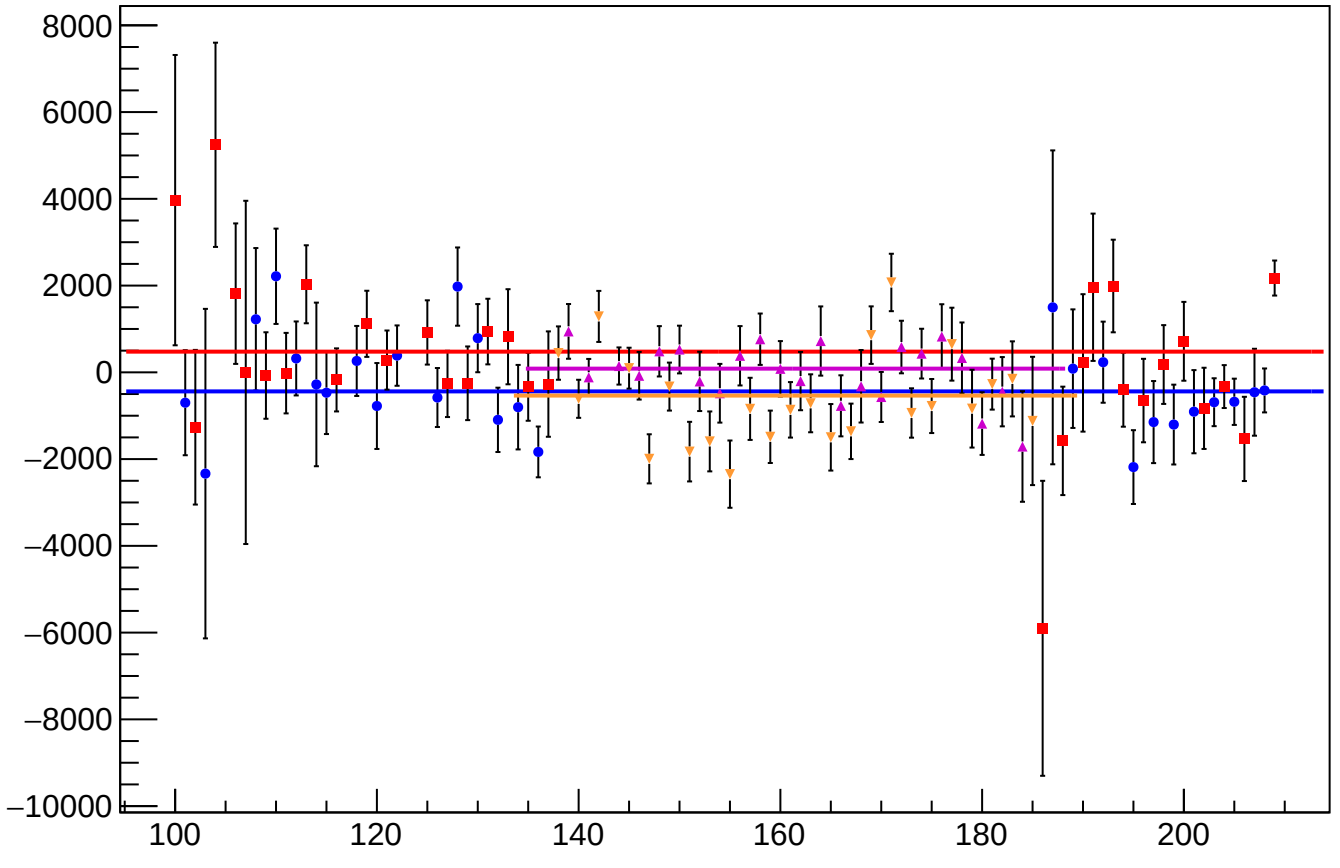
Left: 1119.515+/-0.130 χ^2/NDF: 17721.2/46

Right: 1174.273+/-0.146 χ^2/NDF: 905816.2/57

In: 1140.686+/-0.138 χ^2/NDF:385602.7/49

Out: 1146.978+/-0.136 χ^2/NDF:615442.5/54

All: 1143.878+/-0.097 χ^2/NDF: 1002095.2/10



Right In: -439.368+/-161.482 χ^2/NDF: 33.6/26

Left Out: -535.930+/-130.646 χ^2/NDF:61.6/23

Right Out: 477.140+/-158.786 χ^2/NDF: 54.2/30

Left In: 85.243+/-130.966 χ^2/NDF:17.1/22

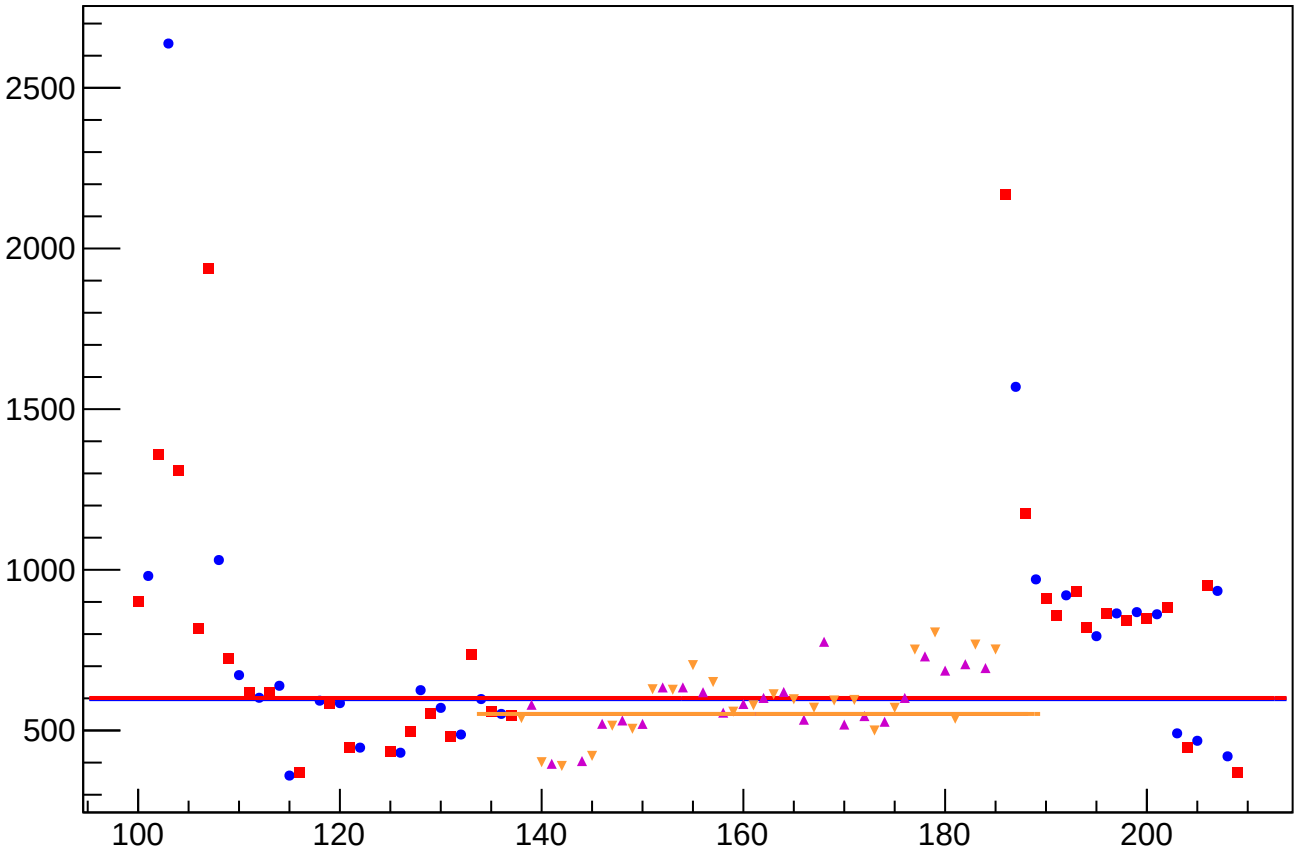
Left: -226.102+/-92.493 χ^2/NDF: 90.0/46

Right: 26.600+/-113.220 χ^2/NDF: 104.1/57

In: -122.909+/-101.718 χ^2/NDF:57.1/49

Out: -126.969+/-100.887 χ^2/NDF:140.0/54

All: -124.956+/-71.630 χ^2/NDF: 197.1/104



Right In: 597.535+/-0.114 χ^2/NDF: 3114911.6/26

Left Out: 551.439+/-0.092 χ^2/NDF:1226632.2/23

Right Out: 601.125+/-0.112 χ^2/NDF: 4426357.6/30

Left In: 551.335+/-0.093 χ^2/NDF:1061731.9/22

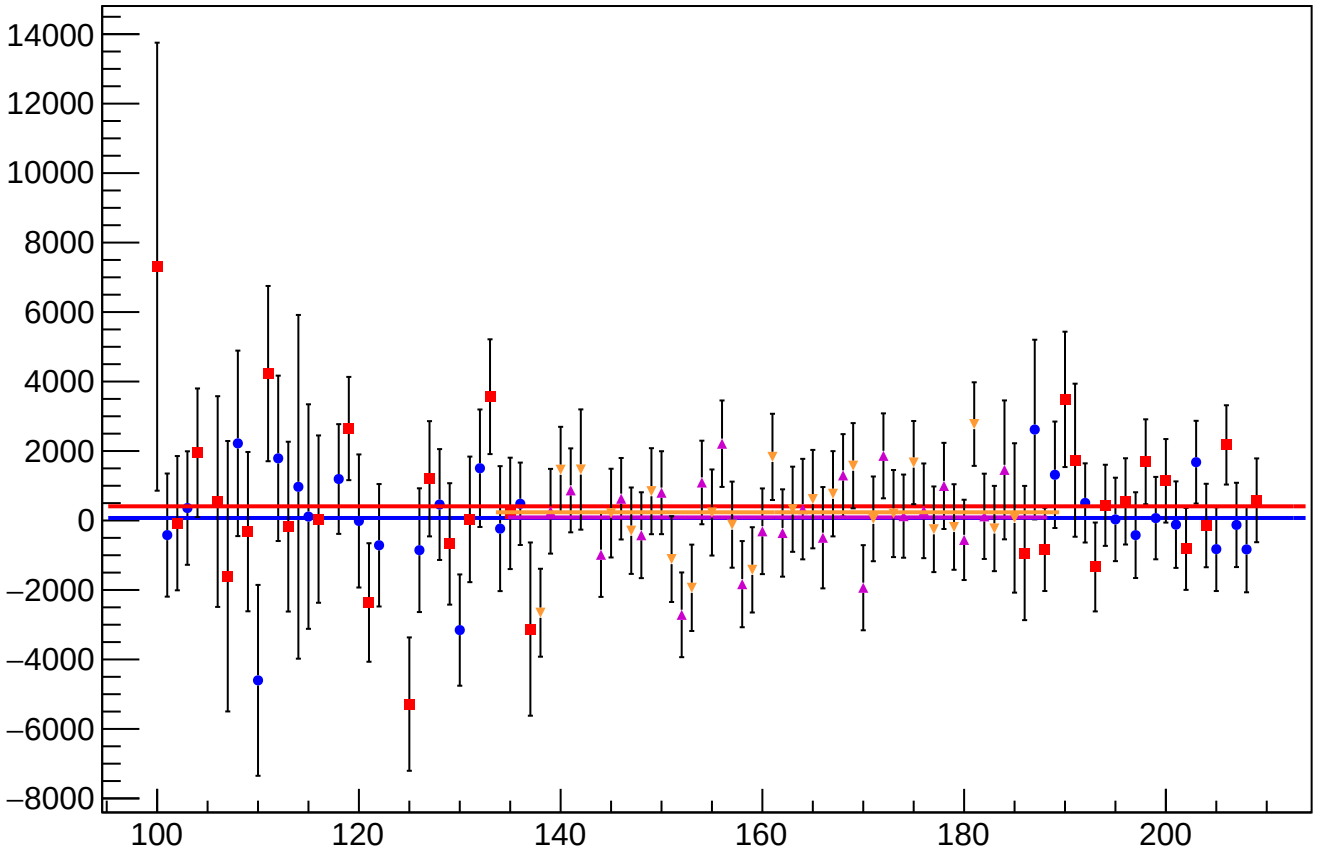
Left: 551.388+/-0.065 χ^2/NDF: 2288364.7/46

Right: 599.361+/-0.080 χ^2/NDF: 7541771.7/57

In: 569.666+/-0.072 χ^2/NDF:4275394.8/49

Out: 571.497+/-0.071 χ^2/NDF:5769763.4/54

All: 570.589+/-0.051 χ^2/NDF: 10045484.6/10



Right In: 72.501+/-294.616 χ^2/NDF: 15.1/26

Left Out: 236.642+/-259.669 χ^2/NDF:22.7/23

Right Out: 408.237+/-287.725 χ^2/NDF: 36.1/30

Left In: 88.370+/-261.602 χ^2/NDF:20.9/22

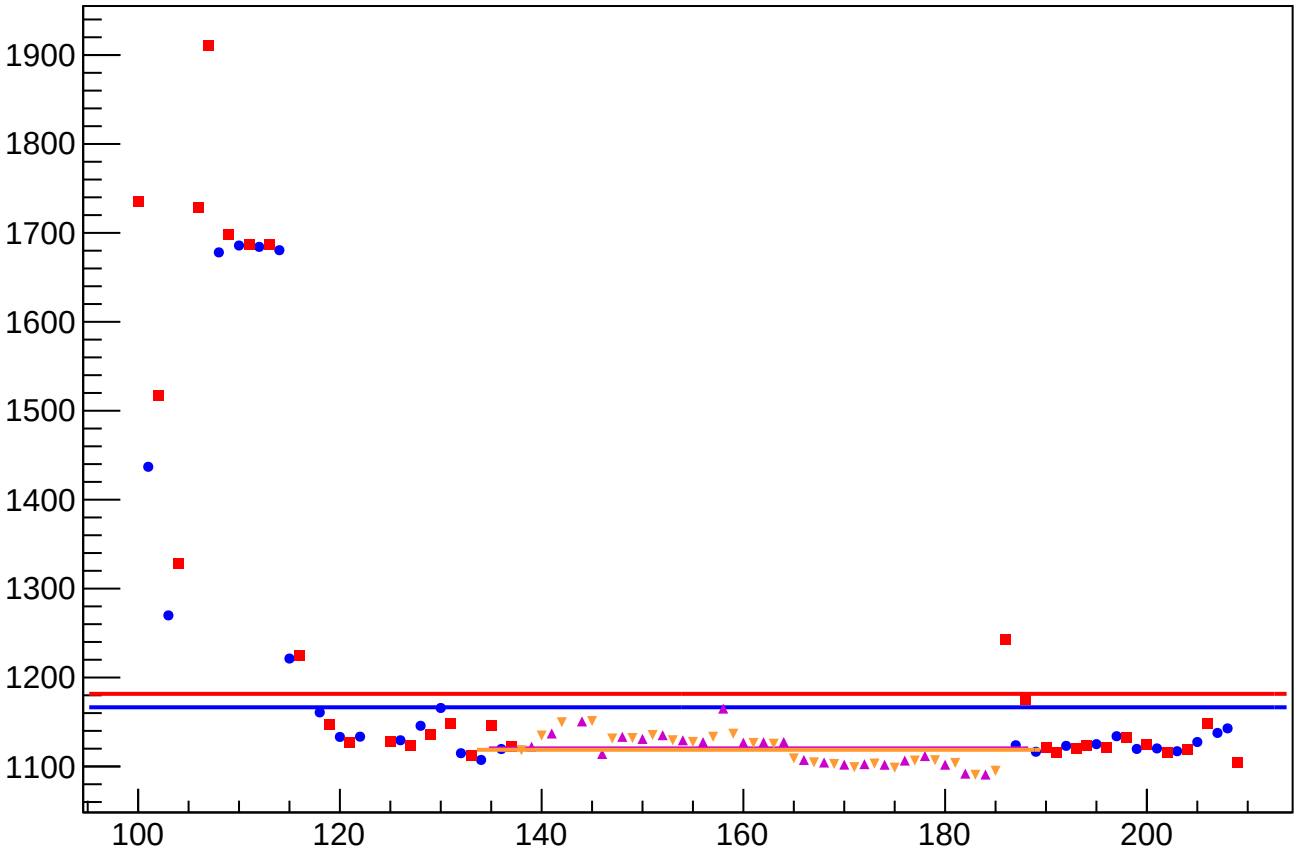
Left: 163.056+/-184.293 χ^2/NDF: 43.8/46

Right: 244.341+/-205.846 χ^2/NDF: 51.9/57

In: 81.374+/-195.616 χ^2/NDF:35.9/49

Out: 313.668+/-192.772 χ^2/NDF:59.1/54

All: 199.222+/-137.305 χ^2/NDF: 95.7/104



Right In: 1166.531+/-0.208 χ^2/NDF: 348596.9/26

Left Out: 1118.733+/-0.184 χ^2/NDF:8205.0/23

Right Out: 1181.657+/-0.203 χ^2/NDF: 554521.0/30

Left In: 1120.308+/-0.185 χ^2/NDF:9479.7/22

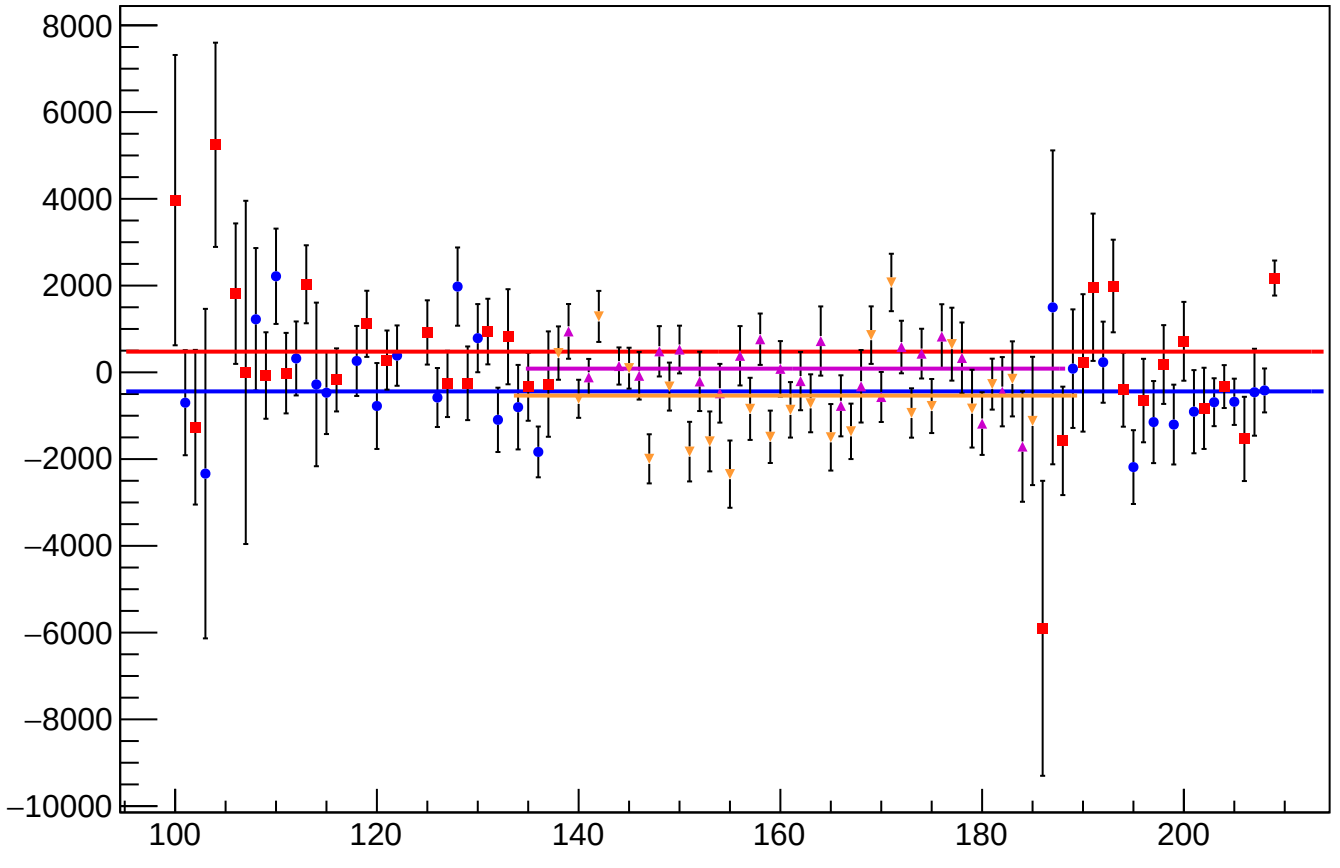
Left: 1119.515+/-0.130 χ^2/NDF: 17721.2/46

Right: 1174.273+/-0.146 χ^2/NDF: 905816.2/57

In: 1140.686+/-0.138 χ^2/NDF:385602.7/49

Out: 1146.978+/-0.136 χ^2/NDF:615442.5/54

All: 1143.878+/-0.097 χ^2/NDF: 1002095.2/10



Right In: -439.368+/-161.482 χ^2/NDF: 33.6/26

Left Out: -535.930+/-130.646 χ^2/NDF:61.6/23

Right Out: 477.140+/-158.786 χ^2/NDF: 54.2/30

Left In: 85.243+/-130.966 χ^2/NDF:17.1/22

Left: -226.102+/-92.493 χ^2/NDF: 90.0/46

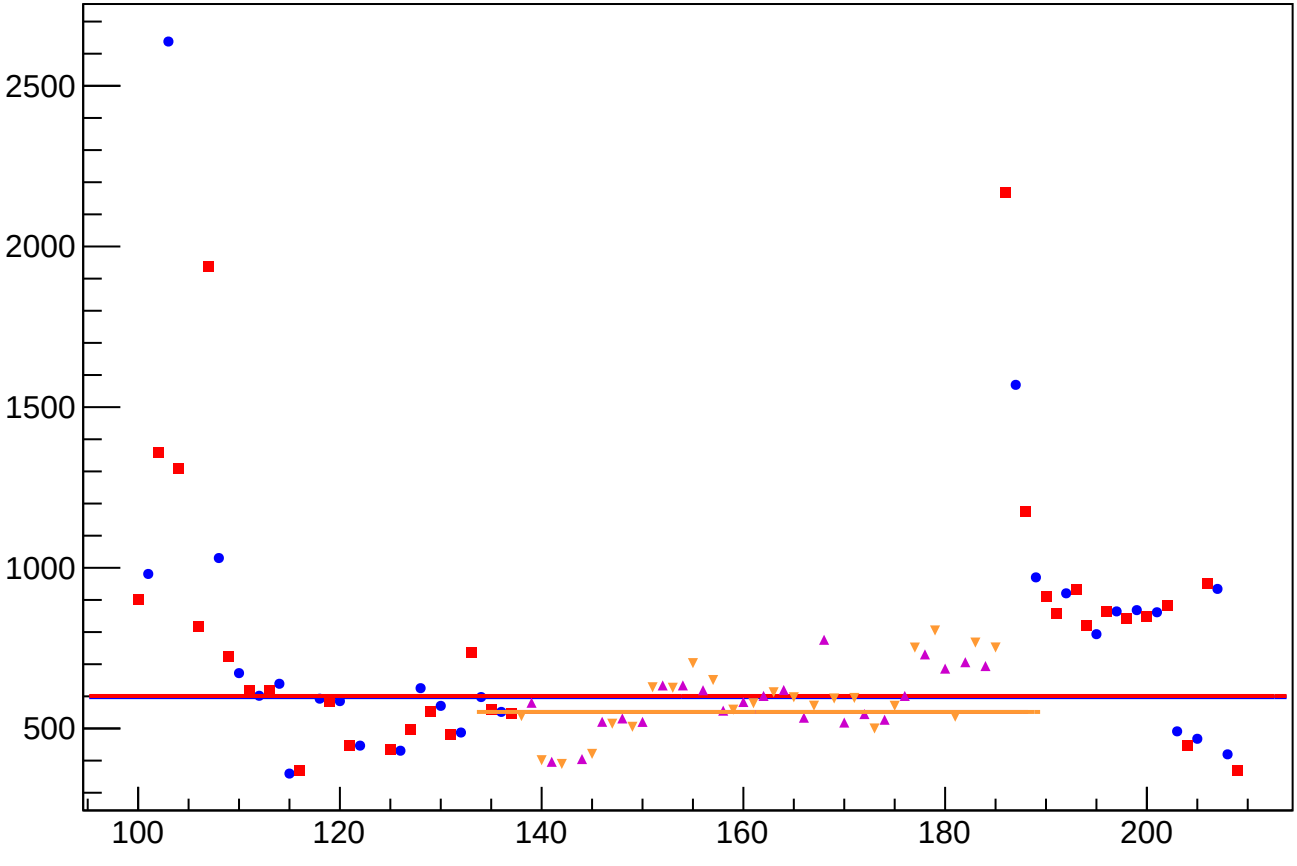
Right: 26.600+/-113.220 χ^2/NDF: 104.1/57

In: -122.909+/-101.718 χ^2/NDF:57.1/49

Out: -126.969+/-100.887 χ^2/NDF:140.0/54

All: -124.956+/-71.630 χ^2/NDF: 197.1/104

asym_usl_atl1_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 597.535+/-0.114 χ^2/NDF: 3114911.6/26

Left Out: 551.439+/-0.092 χ^2/NDF:1226632.2/23

Right Out: 601.125+/-0.112 χ^2/NDF: 4426357.6/30

Left In: 551.335+/-0.093 χ^2/NDF:1061731.9/22

Left: 551.388+/-0.065 χ^2/NDF: 2288364.7/46

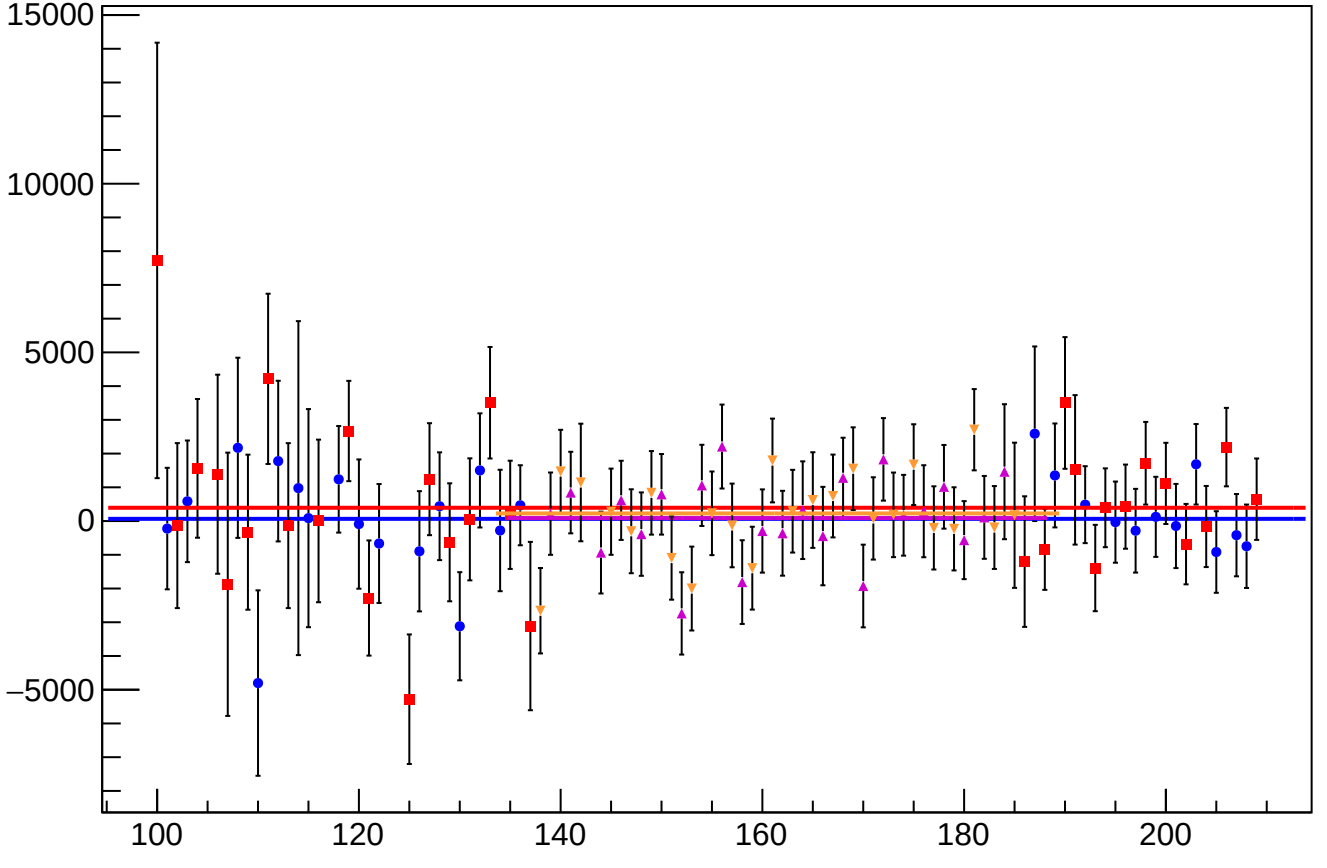
Right: 599.361+/-0.080 χ^2/NDF: 7541771.7/57

In: 569.666+/-0.072 χ^2/NDF:4275394.8/49

Out: 571.497+/-0.071 χ^2/NDF:5769763.4/54

All: 570.589+/-0.051 χ^2/NDF: 10045484.6/10

dit_asym_usl_atl1_dd_mean vs Slug, Sign Corrected



Right In: 65.392+/-296.100 χ^2/NDF: 15.3/26

Left Out: 225.663+/-259.829 χ^2/NDF:22.2/23

Right Out: 394.045+/-290.337 χ^2/NDF: 35.7/30

Left In: 89.078+/-261.717 χ^2/NDF:20.6/22

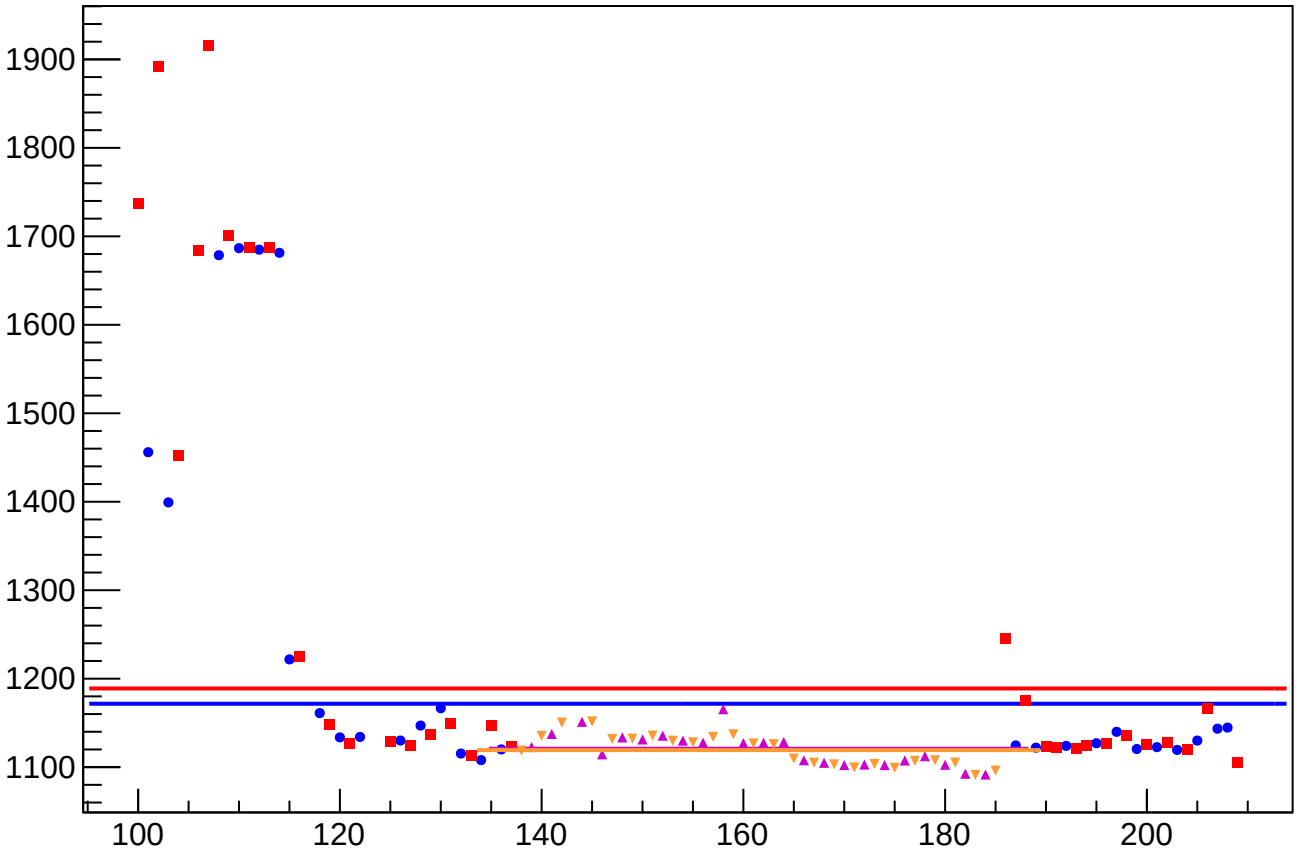
Left: 157.865+/-184.391 χ^2/NDF: 42.9/46

Right: 232.948+/-207.307 χ^2/NDF: 51.7/57

In: 78.690+/-196.097 χ^2/NDF:35.9/49

Out: 300.546+/-193.617 χ^2/NDF:58.1/54

All: 191.029+/-137.776 χ^2/NDF: 94.6/104



Right In: 1171.676+/-0.209 χ^2/NDF: 375805.6/26

Left Out: 1119.258+/-0.184 χ^2/NDF:8143.3/23

Right Out: 1188.936+/-0.205 χ^2/NDF: 672721.3/30

Left In: 1120.800+/-0.185 χ^2/NDF:9426.5/22

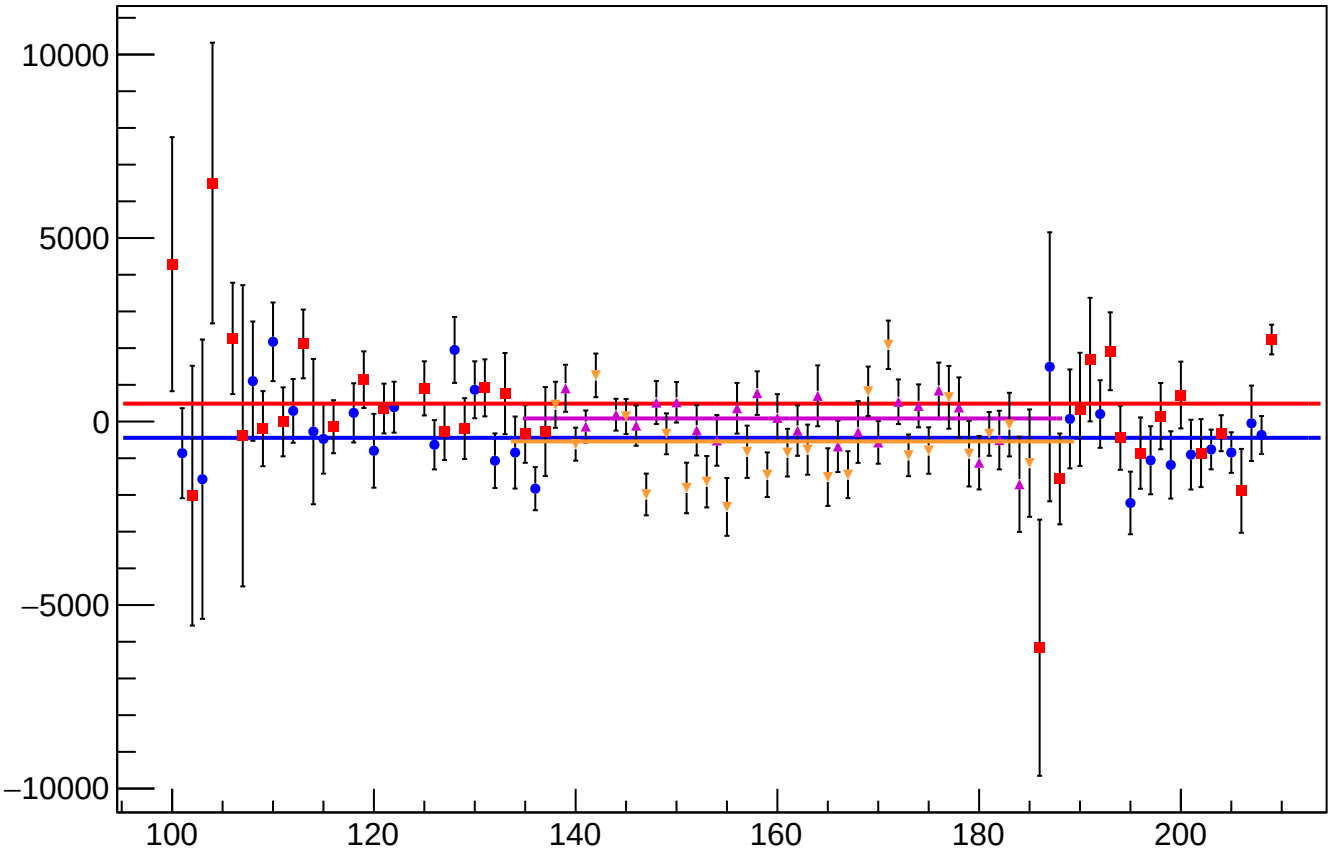
Left: 1120.024+/-0.130 χ^2/NDF: 17604.8/46

Right: 1180.476+/-0.147 χ^2/NDF: 1051991.7/57

In: 1143.114+/-0.139 χ^2/NDF:418379.2/49

Out: 1150.245+/-0.137 χ^2/NDF:744828.3/54

All: 1146.725+/-0.097 χ^2/NDF: 1164546.8/10



Right In: -443.664+/-161.861 χ^2/NDF: 34.2/26

Left Out: -541.592+/-132.012 χ^2/NDF:60.9/23

Right Out: 487.823+/-160.321 χ^2/NDF: 54.5/30

Left In: 84.122+/-132.548 χ^2/NDF:16.4/22

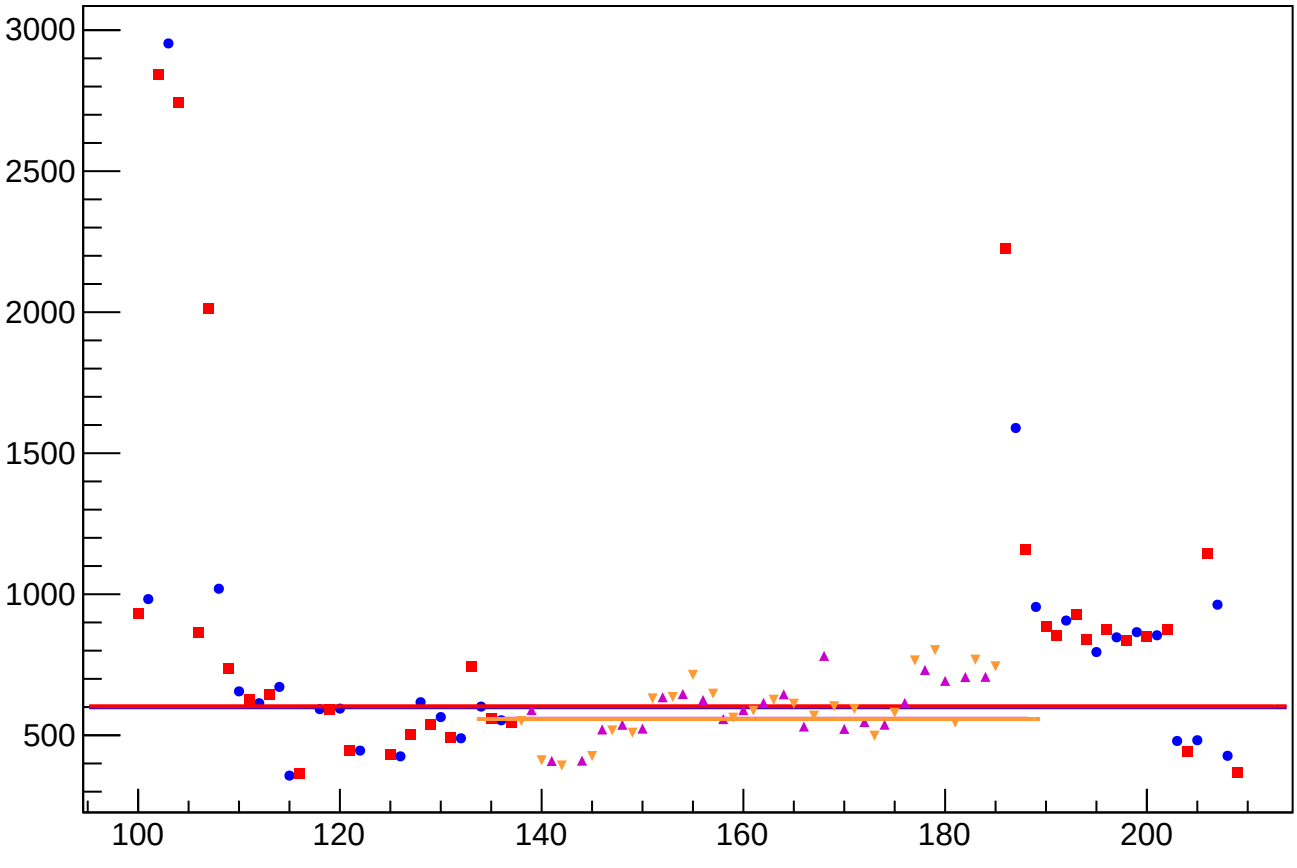
Left: -230.004+/-93.535 χ^2/NDF: 88.5/46

Right: 26.532+/-113.905 χ^2/NDF: 105.4/57

In: -127.738+/-102.550 χ^2/NDF:56.9/49

Out: -125.647+/-101.909 χ^2/NDF:140.0/54

All: -126.686+/-72.286 χ^2/NDF: 196.9/104



Right In: 599.420+/-0.114 χ^2/NDF: 3256557.9/26

Left Out: 557.592+/-0.093 χ^2/NDF:1193270.2/23

Right Out: 602.780+/-0.113 χ^2/NDF: 5566648.5/30

Left In: 558.393+/-0.094 χ^2/NDF:1027814.4/22

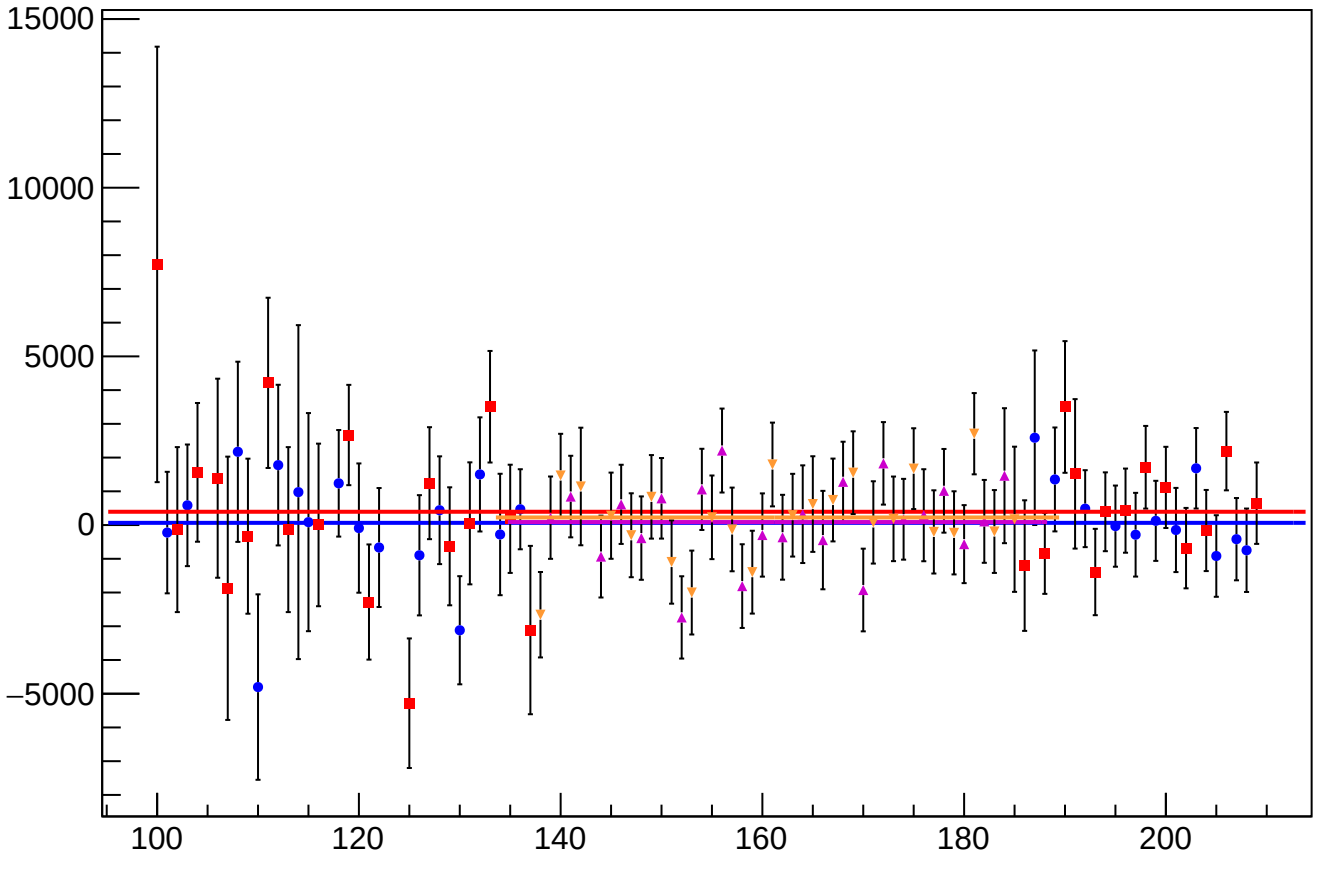
Left: 557.991+/-0.066 χ^2/NDF: 2221121.2/46

Right: 601.116+/-0.081 χ^2/NDF: 8823641.4/57

In: 574.862+/-0.073 χ^2/NDF:4361289.0/49

Out: 575.850+/-0.072 χ^2/NDF:6854608.3/54

All: 575.359+/-0.051 χ^2/NDF: 11215990.8/10



Right In: 65.394+/-296.100 χ^2/NDF: 15.3/26

Left Out: 225.661+/-259.829 χ^2/NDF:22.2/23

Right Out: 394.045+/-290.337 χ^2/NDF: 35.7/30

Left In: 89.079+/-261.717 χ^2/NDF:20.6/22

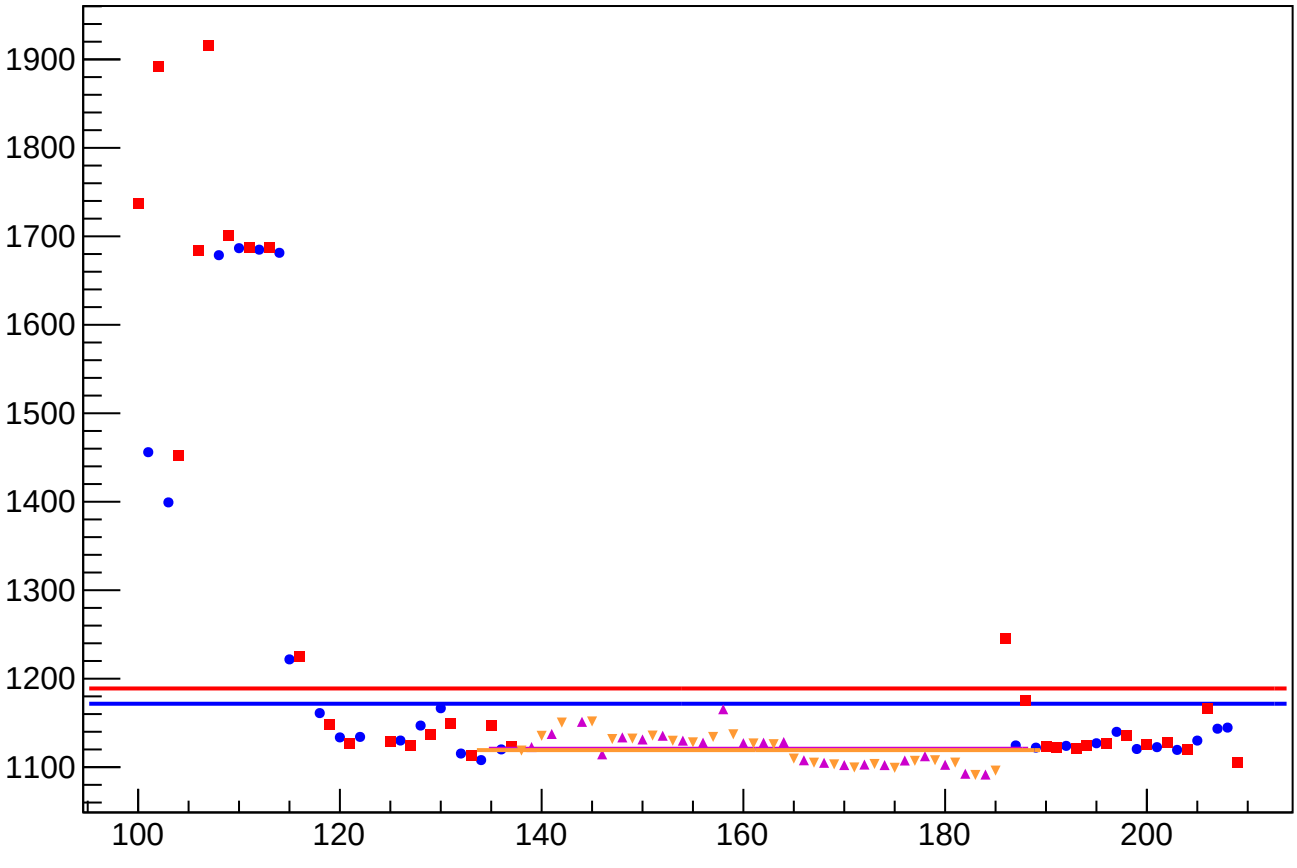
Left: 157.864+/-184.391 χ^2/NDF: 42.9/46

Right: 232.949+/-207.307 χ^2/NDF: 51.7/57

In: 78.691+/-196.097 χ^2/NDF:35.9/49

Out: 300.544+/-193.617 χ^2/NDF:58.1/54

All: 191.029+/-137.776 χ^2/NDF: 94.6/104



Right In: 1171.676+/-0.209 χ^2/NDF: 375805.1/26

Left Out: 1119.258+/-0.184 χ^2/NDF:8143.3/23

Right Out: 1188.936+/-0.205 χ^2/NDF: 672720.6/30

Left In: 1120.800+/-0.185 χ^2/NDF:9426.5/22

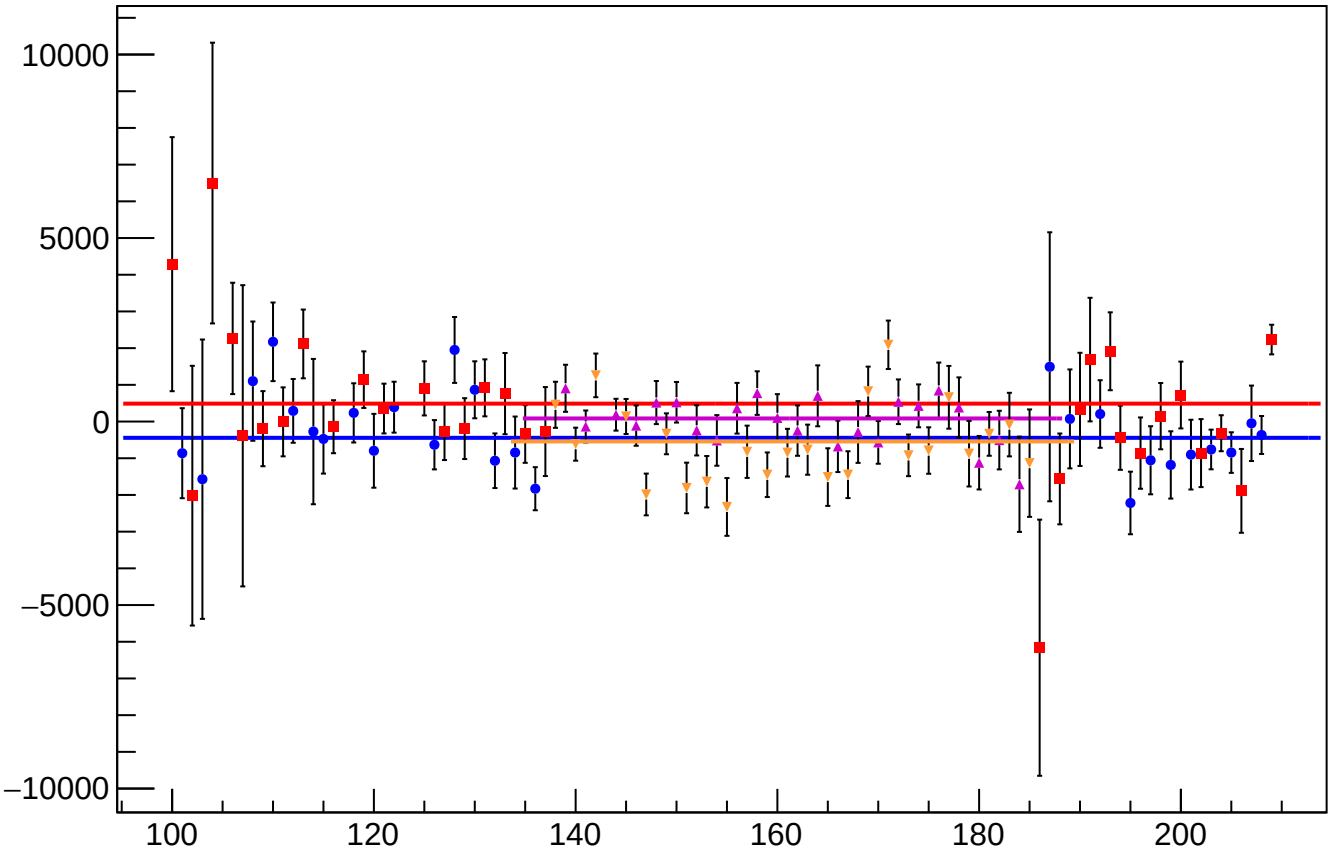
Left: 1120.024+/-0.130 χ^2/NDF: 17604.8/46

Right: 1180.476+/-0.147 χ^2/NDF: 1051990.5/57

In: 1143.114+/-0.139 χ^2/NDF:418378.7/49

Out: 1150.245+/-0.137 χ^2/NDF:744827.6/54

All: 1146.725+/-0.097 χ^2/NDF: 1164545.6/10



Right In: -443.664+/-161.861 χ^2/NDF: 34.2/26

Left Out: -541.591+/-132.012 χ^2/NDF:60.9/23

Right Out: 487.824+/-160.321 χ^2/NDF: 54.5/30

Left In: 84.122+/-132.548 χ^2/NDF:16.4/22

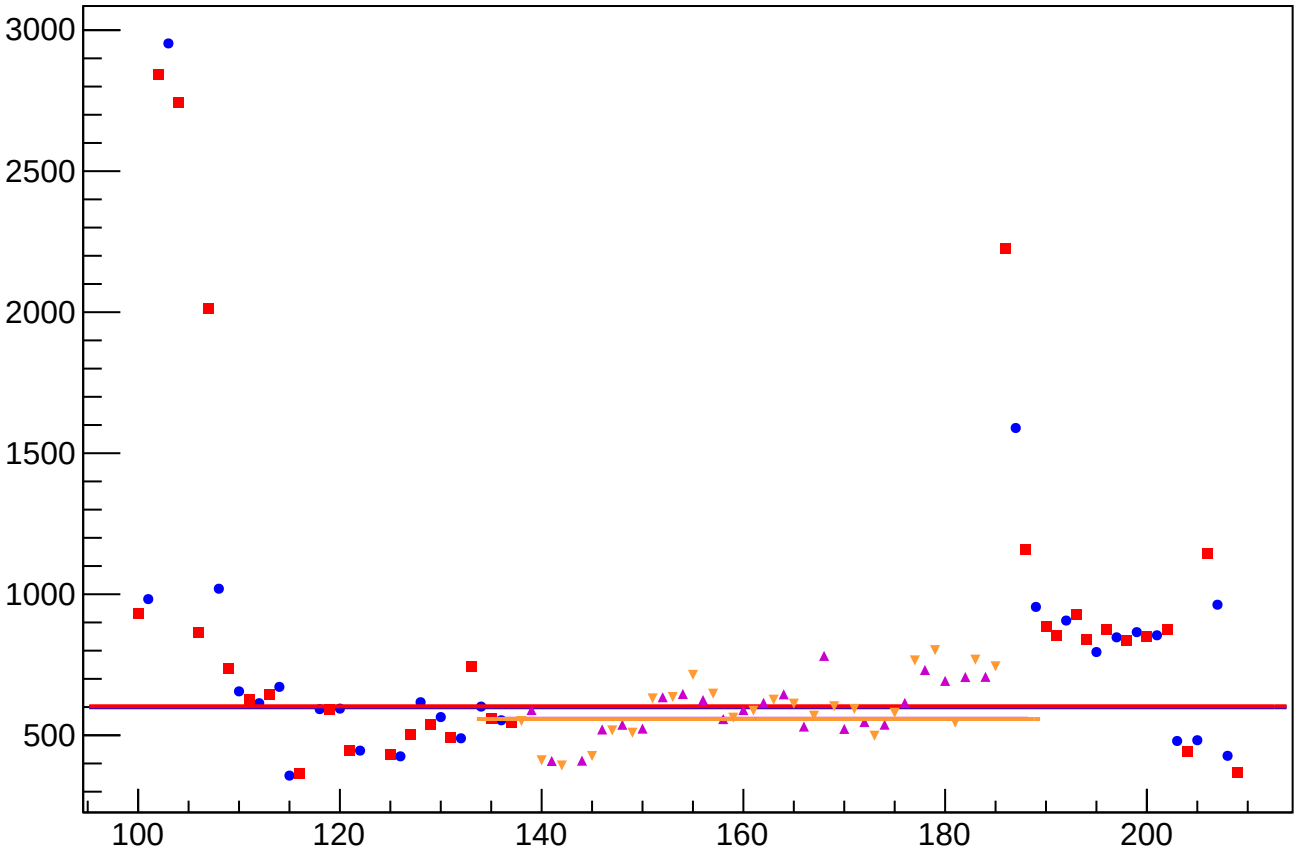
Left: -230.004+/-93.535 χ^2/NDF: 88.5/46

Right: 26.532+/-113.905 χ^2/NDF: 105.4/57

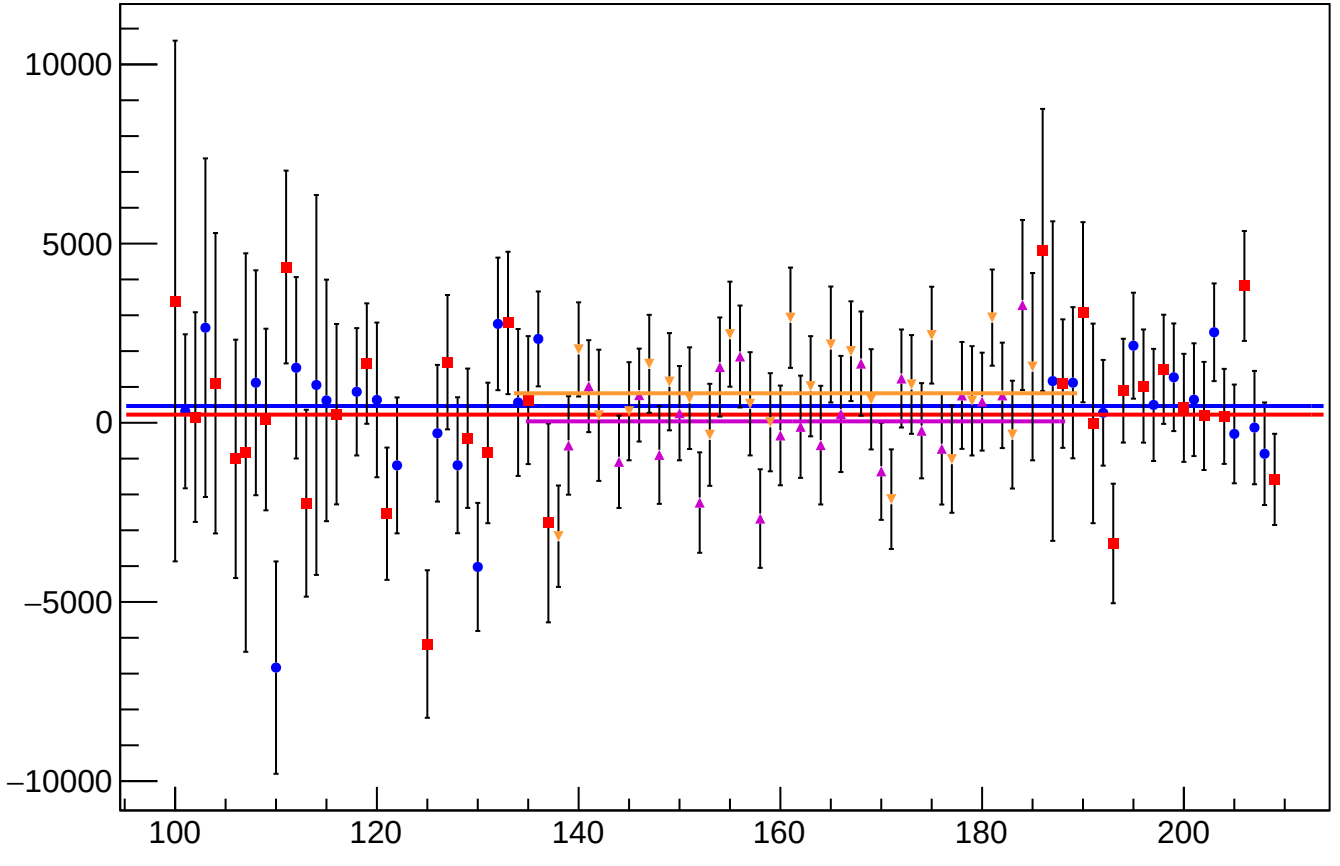
In: -127.738+/-102.550 χ^2/NDF:56.9/49

Out: -125.646+/-101.909 χ^2/NDF:140.0/54

All: -126.685+/-72.286 χ^2/NDF: 196.9/104


asym_usl_atl1_dd_eigen_dit_correction_rms vs Slug, Sign Corrected
3000
2500
2000
1500
1000
500
100
120
140
160
180
200
Right In: 599.420+/-0.114 χ²/NDF: 3256558.5/26
Left Out: 557.591+/-0.093 χ²/NDF:1193291.2/23
Right Out: 602.780+/-0.113 χ²/NDF: 5566655.2/30
Left In: 558.392+/-0.094 χ²/NDF:1027828.9/22
Left: 557.990+/-0.066 χ²/NDF: 2221156.8/46
Right: 601.116+/-0.081 χ²/NDF: 8823648.6/57
In: 574.861+/-0.073 χ²/NDF:4361305.2/49
Out: 575.850+/-0.072 χ²/NDF:6854637.9/54
All: 575.359+/-0.051 χ²/NDF: 11216036.7/10

asym_usl_atl1_dd_mean vs Slug, Sign Corrected



Right In: 467.769+/-355.029 χ^2/NDF: 23.5/26

Left Out: 823.319+/-294.835 χ^2/NDF:26.2/23

Right Out: 227.429+/-350.795 χ^2/NDF: 36.4/30

Left In: 39.696+/-296.006 χ^2/NDF:17.9/22

Left: 433.060+/-208.893 χ^2/NDF: 47.6/46

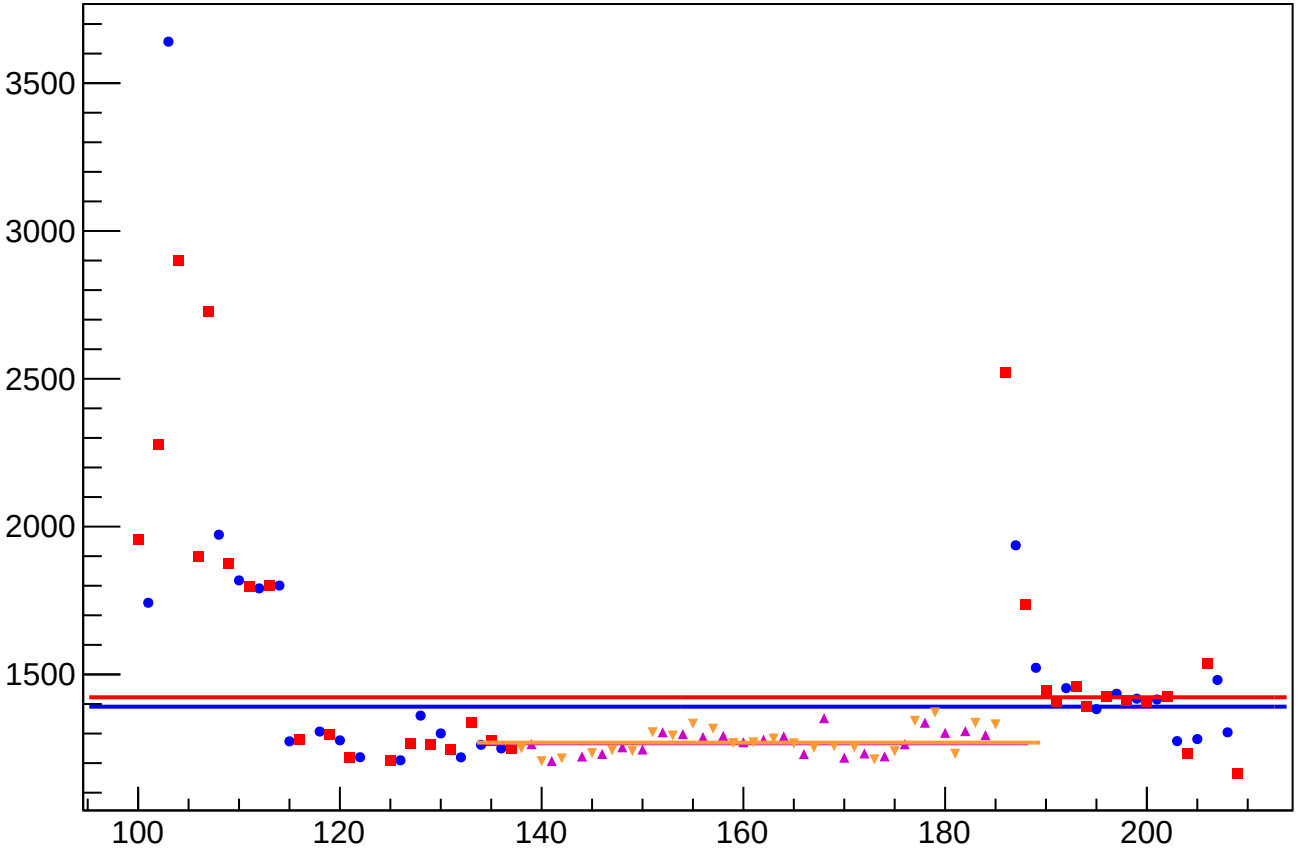
Right: 346.157+/-249.533 χ^2/NDF: 60.1/57

In: 215.240+/-227.351 χ^2/NDF:42.2/49

Out: 576.638+/-225.704 χ^2/NDF:64.3/54

All: 397.253+/-160.176 χ^2/NDF: 107.7/104

asym_usl_atl1_dd_rms vs Slug, Sign Corrected



Right In: 1390.936+/-0.251 χ^2/NDF: 864486.8/26

Left Out: 1269.441+/-0.208 χ^2/NDF:43040.3/23

Right Out: 1422.723+/-0.248 χ^2/NDF: 1210501.1/30

Left In: 1267.066+/-0.209 χ^2/NDF:34547.0/22

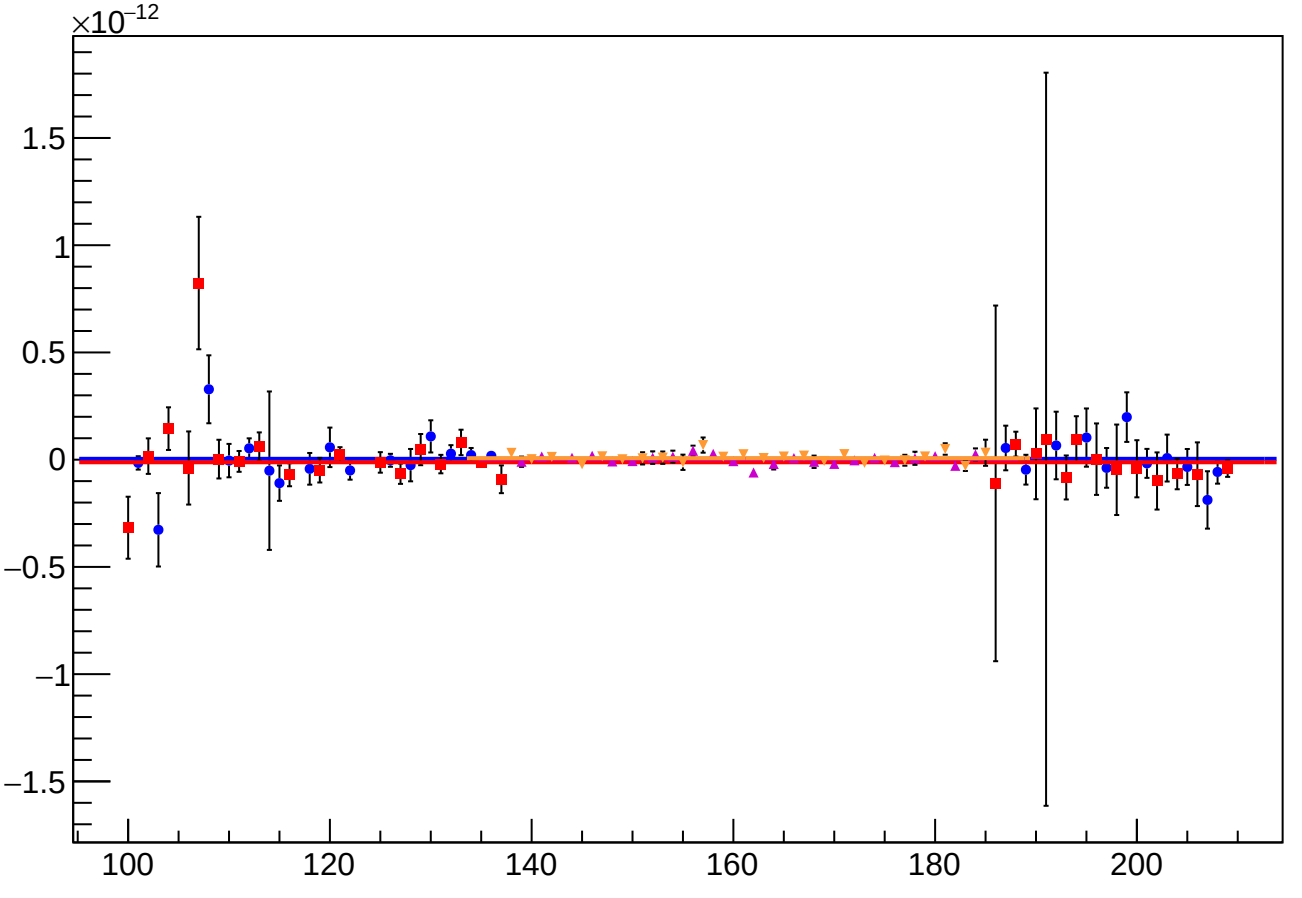
Left: 1268.258+/-0.148 χ^2/NDF: 77651.9/46

Right: 1407.020+/-0.176 χ^2/NDF: 2083100.3/57

In: 1317.862+/-0.161 χ^2/NDF:1042658.8/49

Out: 1332.895+/-0.160 χ^2/NDF:1477323.5/54

All: 1325.433+/-0.113 χ^2/NDF: 2524386.1/10



Right In: 0.000+/-0.000 χ^2/NDF: 25.1/26

Left Out: 0.000+/-0.000 χ^2/NDF:19.8/23

Right Out: -0.000+/-0.000 χ^2/NDF: 29.5/30

Left In: 0.000+/-0.000 χ^2/NDF:23.0/22

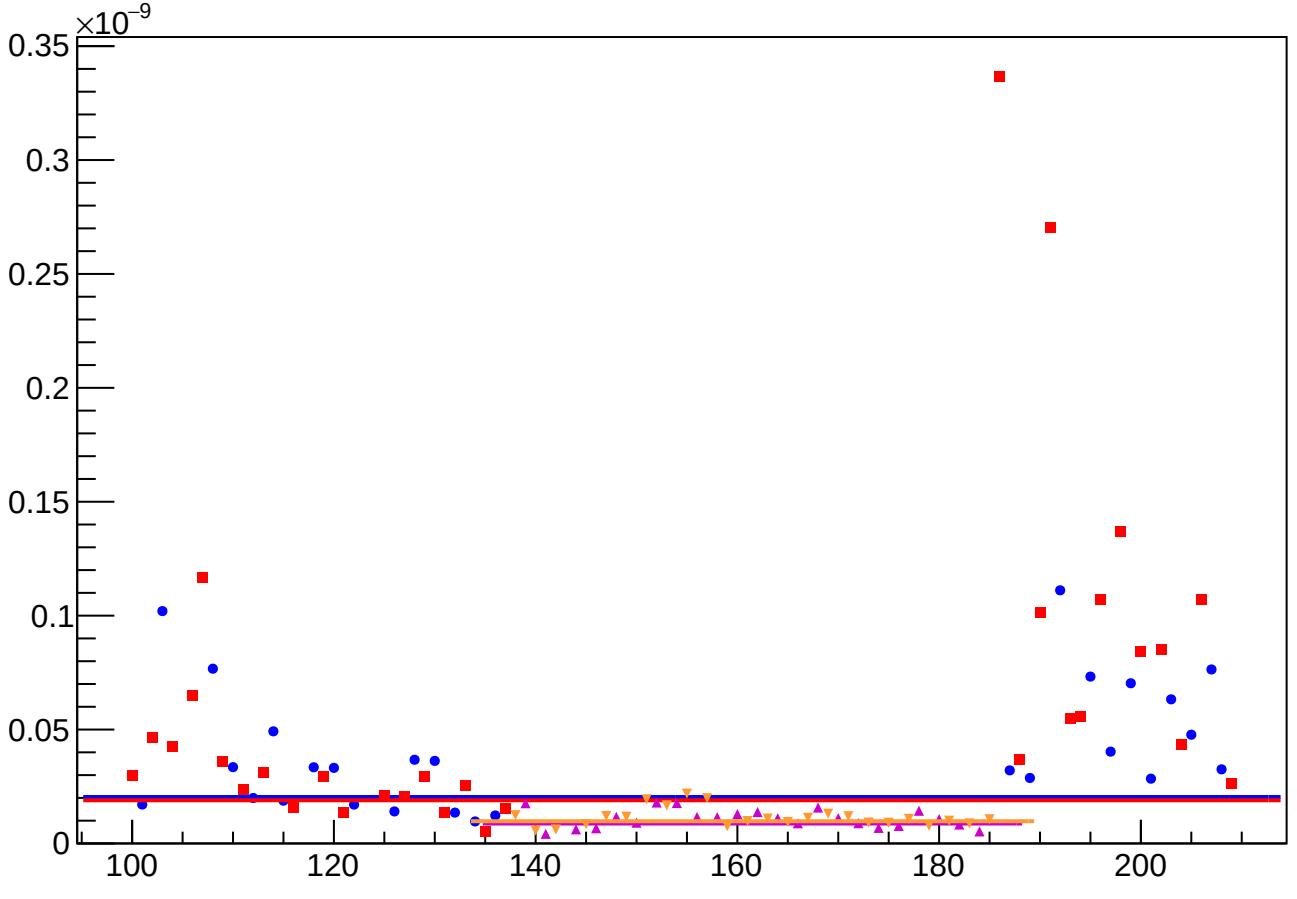
Left: 0.000+/-0.000 χ^2/NDF: 43.2/46

Right: -0.000+/-0.000 χ^2/NDF: 56.0/57

In: 0.000+/-0.000 χ^2/NDF:48.1/49

Out: 0.000+/-0.000 χ^2/NDF:52.6/54

All: 0.000+/-0.000 χ^2/NDF: 100.7/104



Right In: 0.000+/-0.000 χ^2/NDF: 4298373.9/26

Left Out: 0.000+/-0.000 χ^2/NDF:1373738.7/23

Right Out: 0.000+/-0.000 χ^2/NDF: 7113468.7/30

Left In: 0.000+/-0.000 χ^2/NDF:1928867.4/22

Left: 0.000+/-0.000 χ^2/NDF: 3372071.7/46

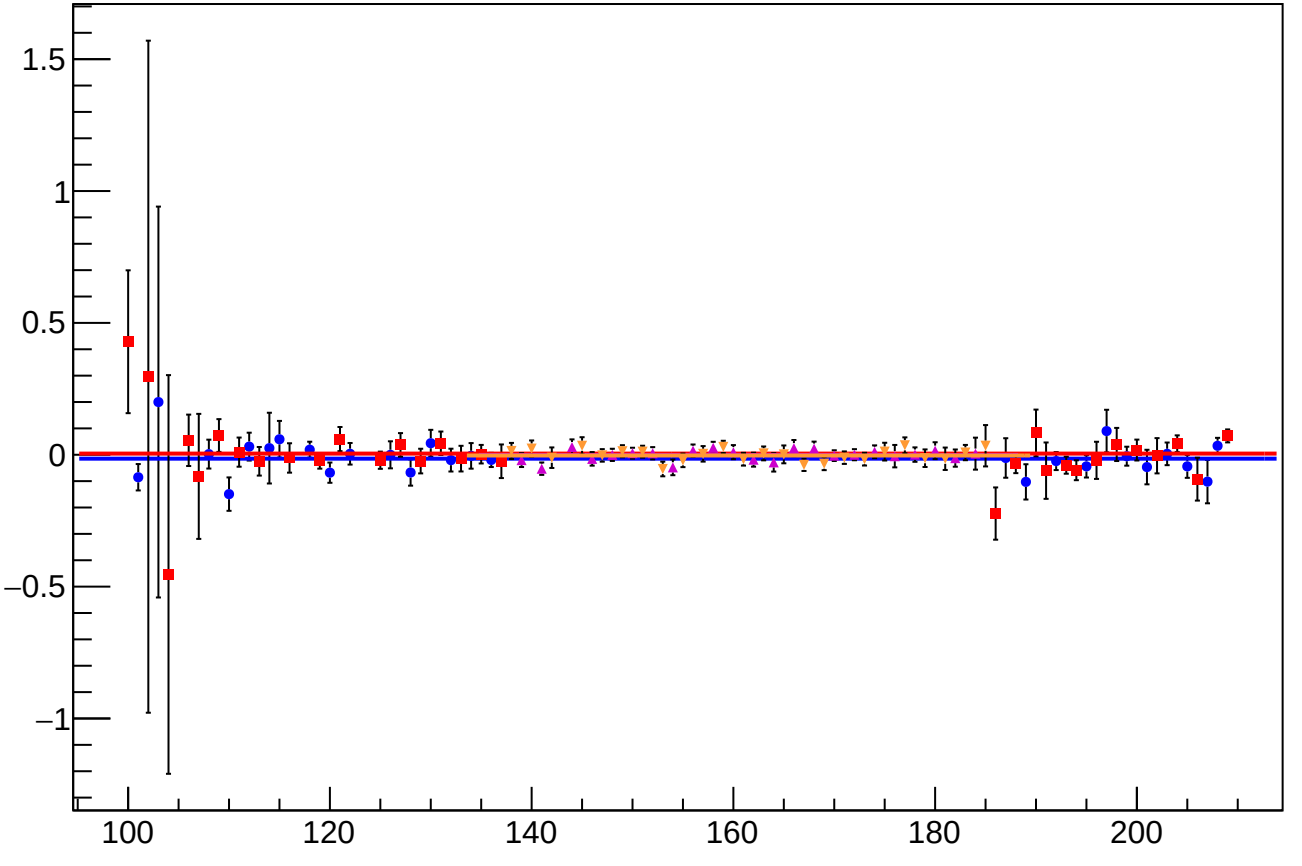
Right: 0.000+/-0.000 χ^2/NDF: 11432334.5/57

In: 0.000+/-0.000 χ^2/NDF:8581157.3/49

Out: 0.000+/-0.000 χ^2/NDF:10011265.0/54

All: 0.000+/-0.000 χ^2/NDF: 18658455.3/104

asym_usl_atl1_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.015+/-0.009 χ^2/NDF: 23.3/26

Left Out: -0.003+/-0.006 χ^2/NDF:16.3/23

Right Out: 0.004+/-0.009 χ^2/NDF: 32.8/30

Left In: -0.001+/-0.005 χ^2/NDF:14.9/22

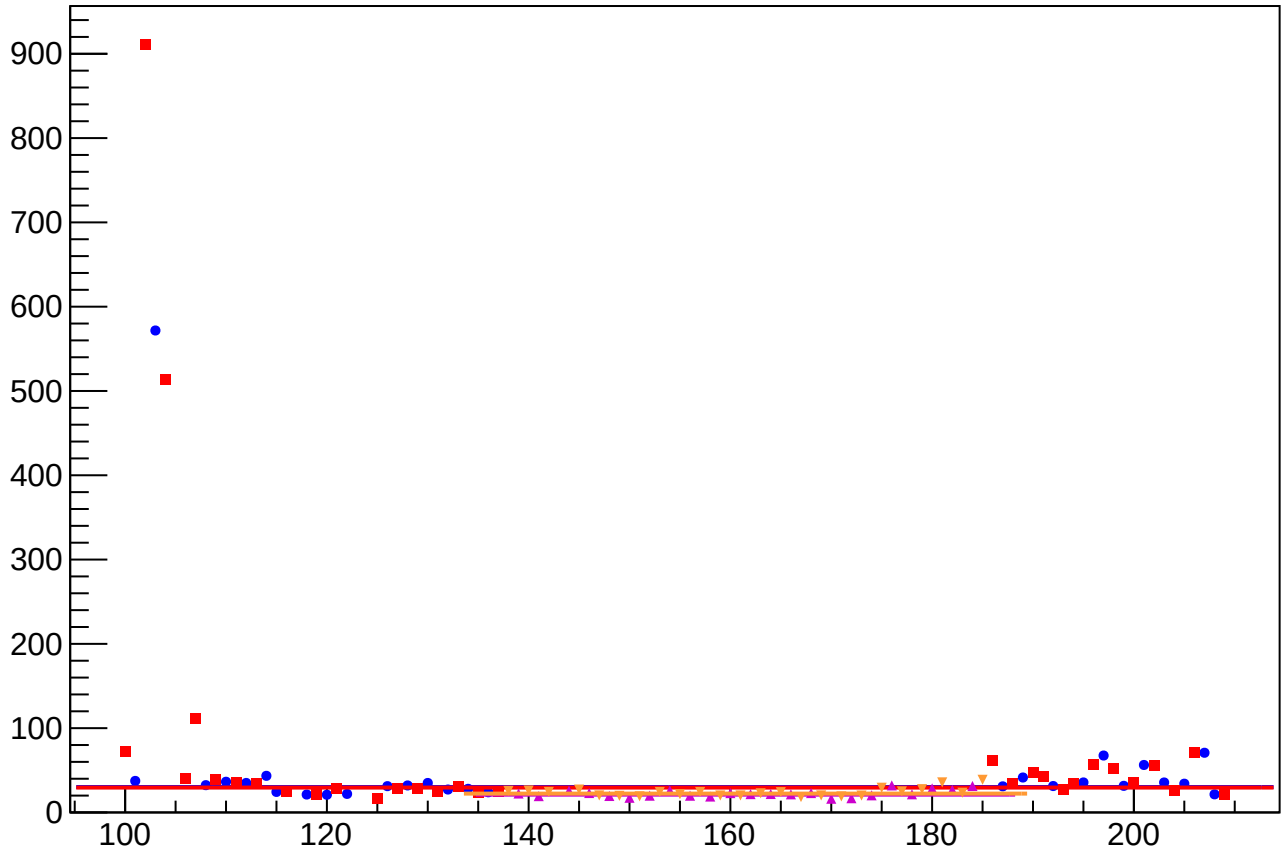
Left: -0.002+/-0.004 χ^2/NDF: 31.3/46

Right: -0.005+/-0.006 χ^2/NDF: 58.5/57

In: -0.005+/-0.005 χ^2/NDF:40.0/49

Out: -0.001+/-0.005 χ^2/NDF:49.6/54

All: -0.003+/-0.003 χ^2/NDF: 90.0/104



Right In: 30.147+/-0.006 χ^2/NDF: 3235541.0/26

Left Out: 22.355+/-0.004 χ^2/NDF:816073.4/23

Right Out: 29.536+/-0.006 χ^2/NDF: 4857898.8/30

Left In: 21.099+/-0.004 χ^2/NDF:819255.8/22

Left: 21.703+/-0.003 χ^2/NDF: 1686083.7/46

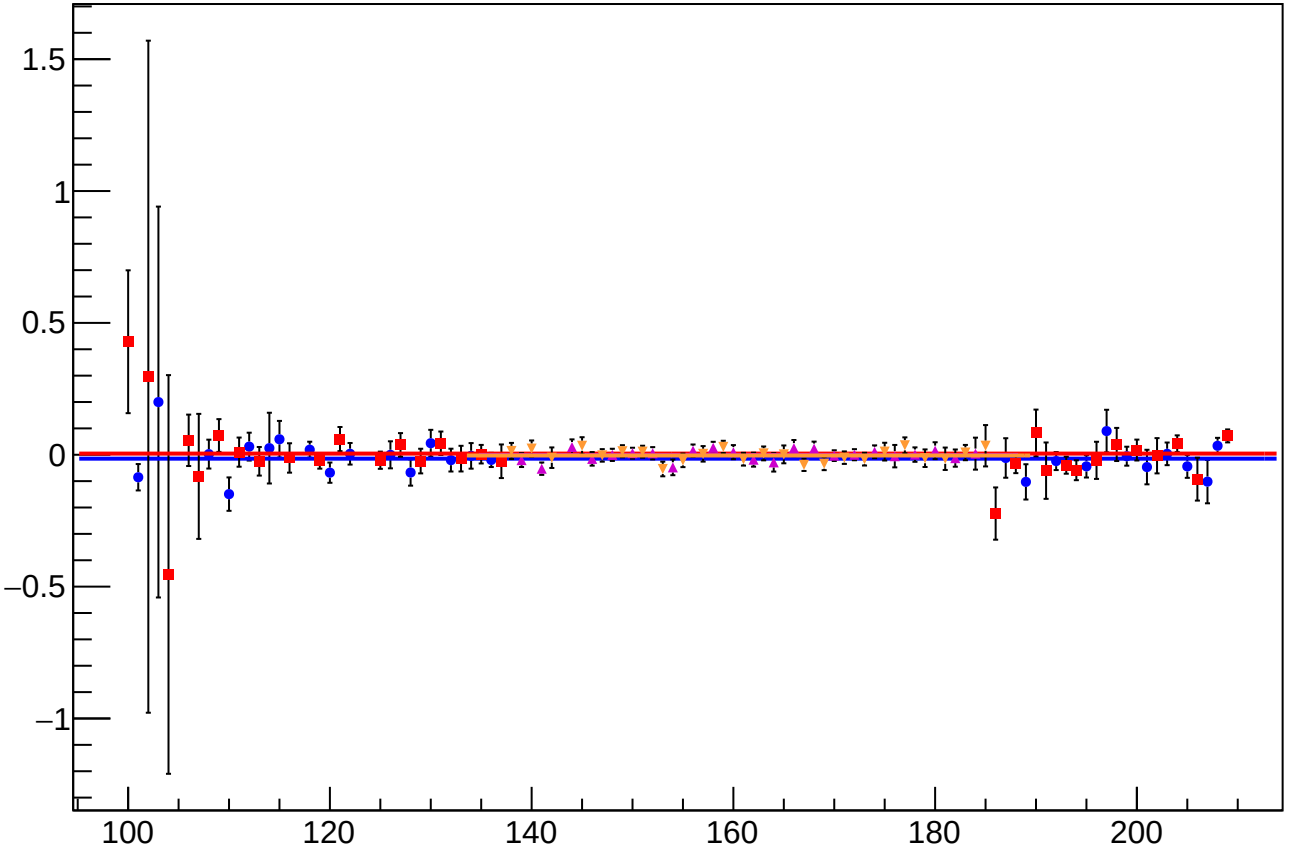
Right: 29.830+/-0.004 χ^2/NDF: 8098392.3/57

In: 23.600+/-0.003 χ^2/NDF:5569265.7/49

Out: 24.564+/-0.003 χ^2/NDF:6655904.4/54

All: 24.074+/-0.002 χ^2/NDF: 12267484.6/104

asym_usl_atl1_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.015+/-0.009 χ^2/NDF: 23.3/26

Left Out: -0.003+/-0.006 χ^2/NDF:16.3/23

Right Out: 0.004+/-0.009 χ^2/NDF: 32.8/30

Left In: -0.001+/-0.005 χ^2/NDF:14.9/22

Left: -0.002+/-0.004 χ^2/NDF: 31.3/46

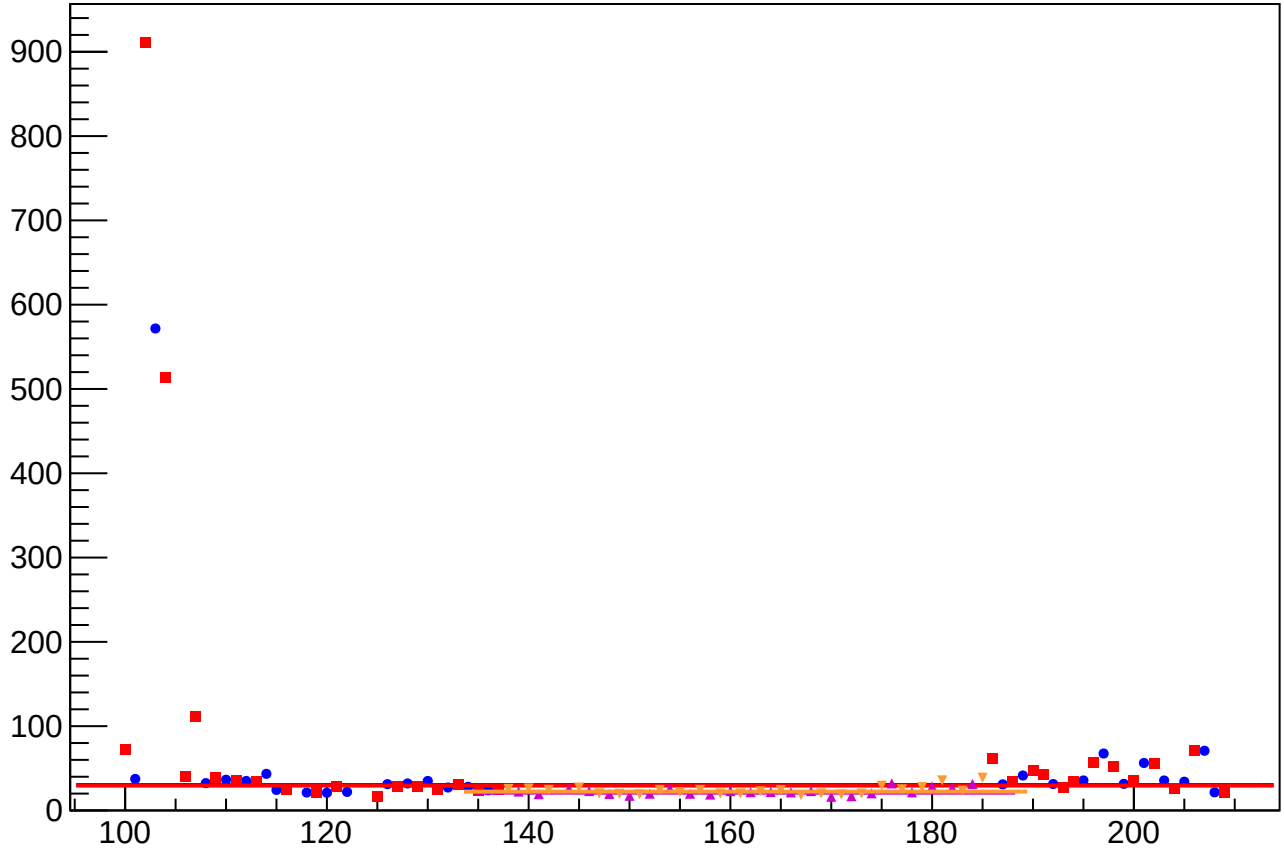
Right: -0.005+/-0.006 χ^2/NDF: 58.5/57

In: -0.005+/-0.005 χ^2/NDF:40.0/49

Out: -0.001+/-0.005 χ^2/NDF:49.6/54

All: -0.003+/-0.003 χ^2/NDF: 90.0/104

asym_usl_atl1_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 30.147+/-0.006 χ^2/NDF: 3235541.0/26

Left Out: 22.355+/-0.004 χ^2/NDF:816073.4/23

Right Out: 29.536+/-0.006 χ^2/NDF: 4857898.8/30

Left In: 21.099+/-0.004 χ^2/NDF:819255.8/22

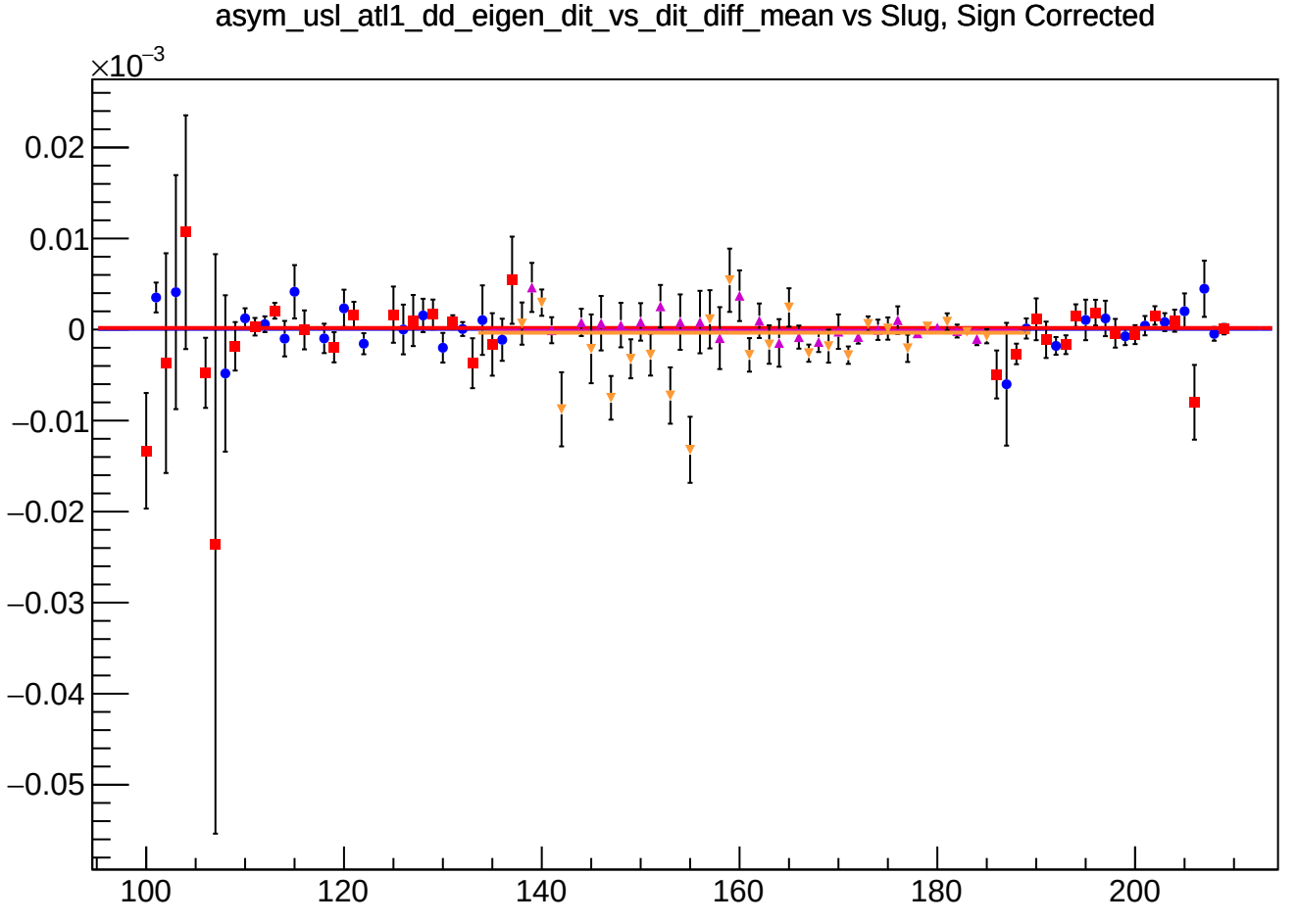
Left: 21.703+/-0.003 χ^2/NDF: 1686083.7/46

Right: 29.830+/-0.004 χ^2/NDF: 8098392.3/57

In: 23.600+/-0.003 χ^2/NDF:5569265.7/49

Out: 24.564+/-0.003 χ^2/NDF:6655904.4/54

All: 24.074+/-0.002 χ^2/NDF: 12267484.6/104



Right In: 0.000+/-0.000 χ^2/NDF: 24.7/26

Left Out: -0.000+/-0.000 χ^2/NDF:68.1/23

Right Out: 0.000+/-0.000 χ^2/NDF: 44.1/30

Left In: -0.000+/-0.000 χ^2/NDF:14.2/22

Left: -0.000+/-0.000 χ^2/NDF: 82.8/46

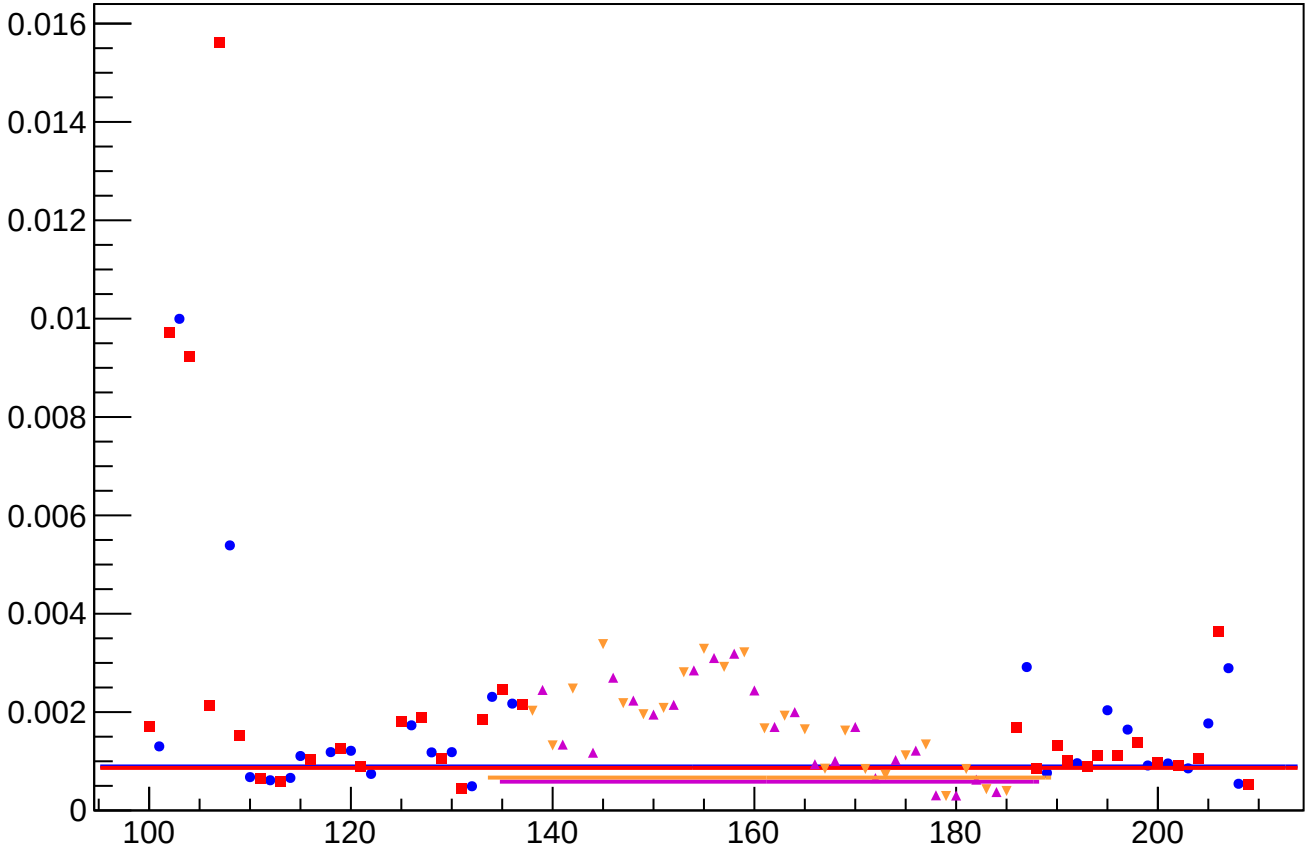
Right: 0.000+/-0.000 χ^2/NDF: 68.8/57

In: -0.000+/-0.000 χ^2/NDF:39.4/49

Out: -0.000+/-0.000 χ^2/NDF:114.7/54

All: -0.000+/-0.000 χ^2/NDF: 154.2/104

asym_usl_atl1_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.001+/-0.000 χ^2/NDF: 6612322.6/26

Left Out: 0.001+/-0.000 χ^2/NDF:15375915.0/23

Right Out: 0.001+/-0.000 χ^2/NDF: 7382039.4/30

Left In: 0.001+/-0.000 χ^2/NDF:15658683.6/22

Left: 0.001+/-0.000 χ^2/NDF: 31210781.6/46

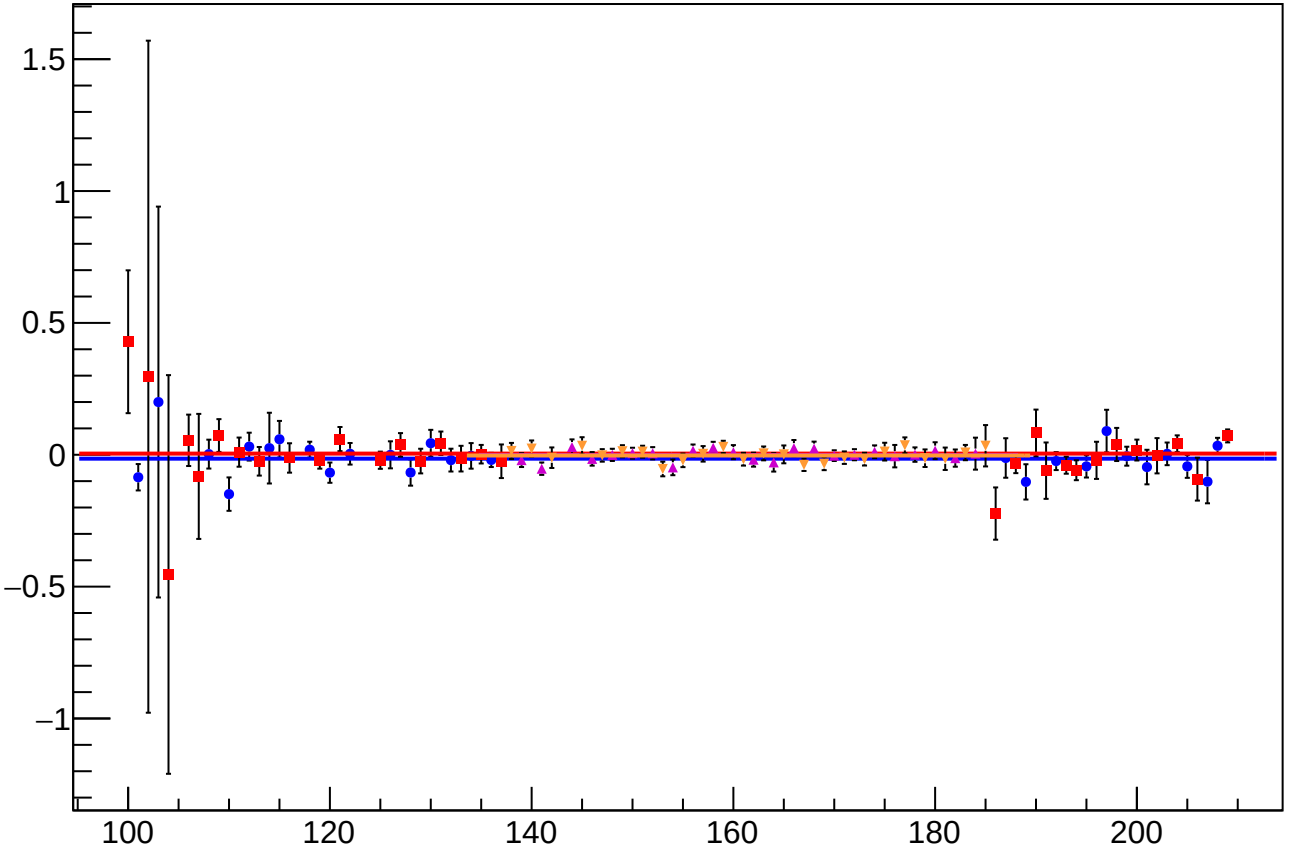
Right: 0.001+/-0.000 χ^2/NDF: 14006773.9/57

In: 0.001+/-0.000 χ^2/NDF:24101611.4/49

Out: 0.001+/-0.000 χ^2/NDF:23495969.6/54

All: 0.001+/-0.000 χ^2/NDF: 47732130.0/104

asym_usl_atl1_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.015+/-0.009 χ^2/NDF: 23.3/26

Left Out: -0.003+/-0.006 χ^2/NDF:16.3/23

Right Out: 0.004+/-0.009 χ^2/NDF: 32.8/30

Left In: -0.001+/-0.005 χ^2/NDF:14.9/22

Left: -0.002+/-0.004 χ^2/NDF: 31.3/46

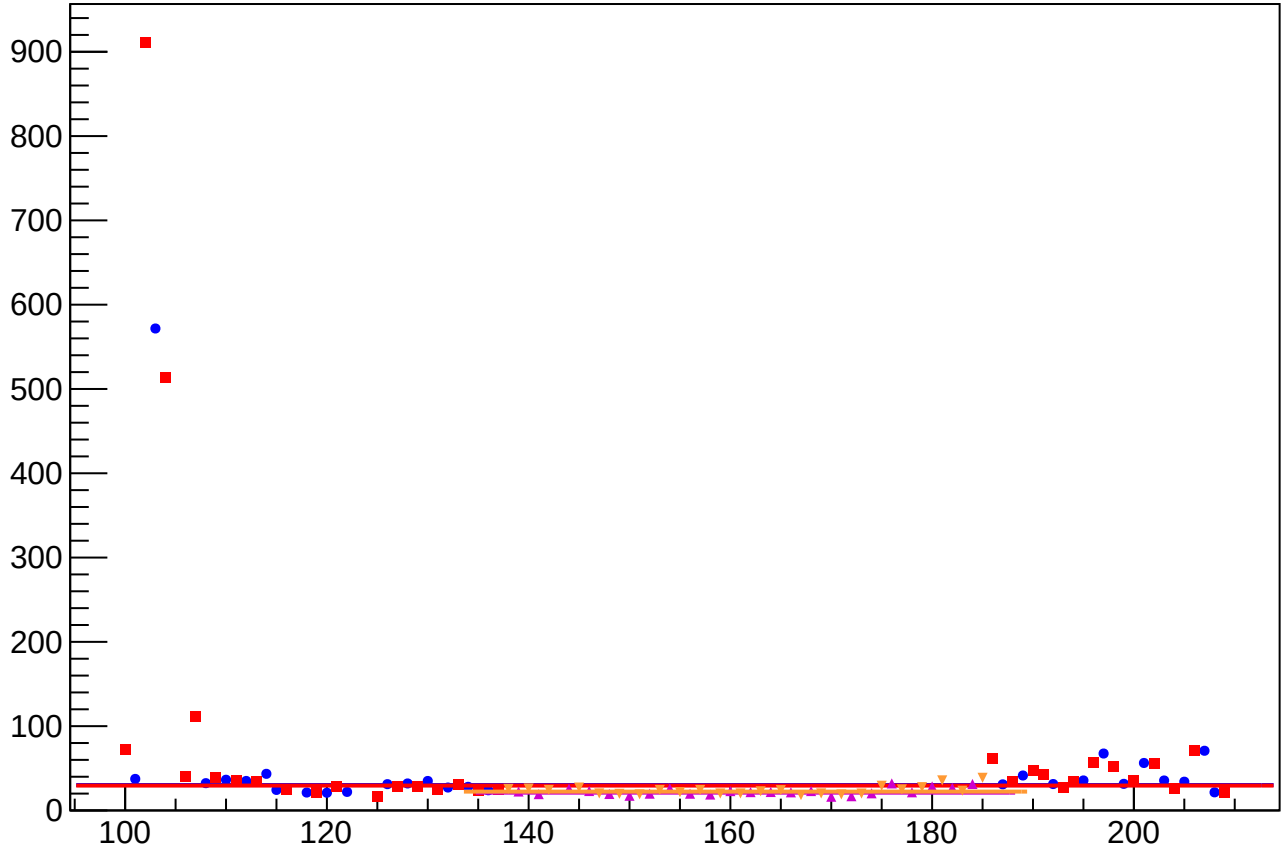
Right: -0.005+/-0.006 χ^2/NDF: 58.5/57

In: -0.005+/-0.005 χ^2/NDF:40.0/49

Out: -0.001+/-0.005 χ^2/NDF:49.6/54

All: -0.003+/-0.003 χ^2/NDF: 90.0/104

asym_usl_atl1_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 30.147+/-0.006 χ^2/NDF: 3235594.3/26

Left Out: 22.355+/-0.004 χ^2/NDF:816044.6/23

Right Out: 29.536+/-0.006 χ^2/NDF: 4857958.5/30

Left In: 21.099+/-0.004 χ^2/NDF:819268.9/22

Left: 21.703+/-0.003 χ^2/NDF: 1686066.1/46

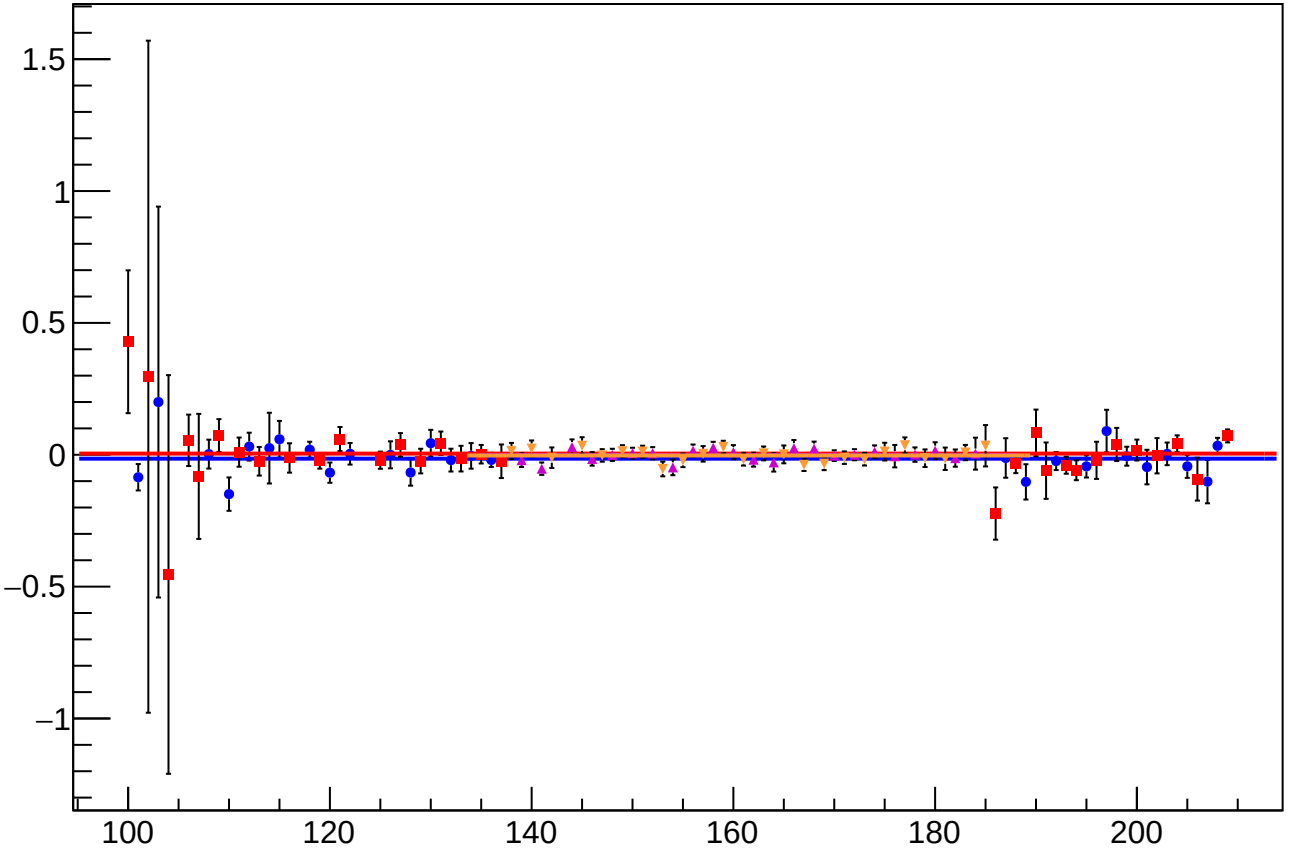
Right: 29.830+/-0.004 χ^2/NDF: 8098504.7/57

In: 23.599+/-0.003 χ^2/NDF:5569338.0/49

Out: 24.564+/-0.003 χ^2/NDF:6655956.8/54

All: 24.074+/-0.002 χ^2/NDF: 12267608.7/104

asym_usl_atl1_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.015+/-0.009 χ^2/NDF: 23.3/26

Left Out: -0.003+/-0.006 χ^2/NDF:16.3/23

Right Out: 0.004+/-0.009 χ^2/NDF: 32.8/30

Left In: -0.001+/-0.005 χ^2/NDF:14.9/22

Left: -0.002+/-0.004 χ^2/NDF: 31.3/46

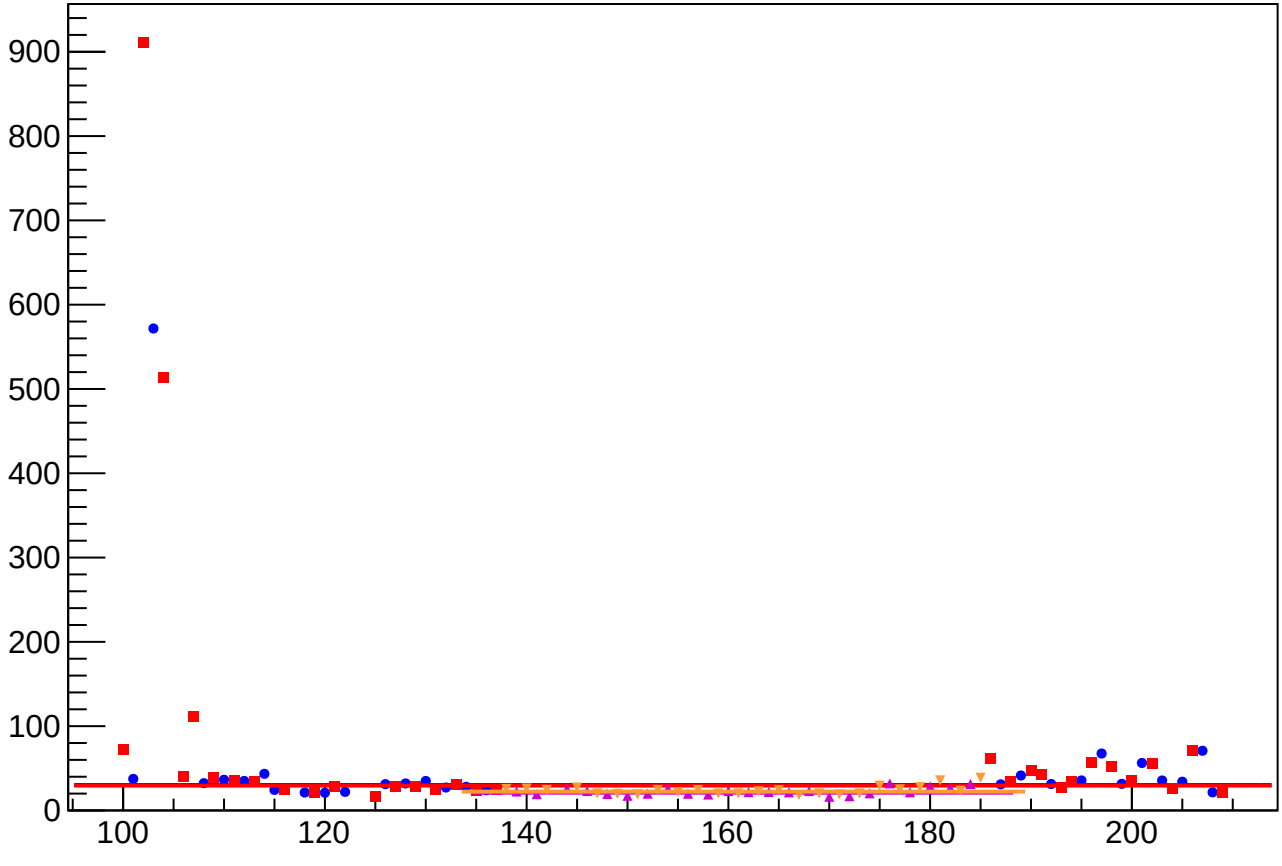
Right: -0.005+/-0.006 χ^2/NDF: 58.5/57

In: -0.005+/-0.005 χ^2/NDF:40.0/49

Out: -0.001+/-0.005 χ^2/NDF:49.6/54

All: -0.003+/-0.003 χ^2/NDF: 90.0/104

asym_usl_atl1_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 30.147+/-0.006 χ^2/NDF: 3235594.3/26

Left Out: 22.355+/-0.004 χ^2/NDF:816044.6/23

Right Out: 29.536+/-0.006 χ^2/NDF: 4857958.5/30

Left In: 21.099+/-0.004 χ^2/NDF:819268.9/22

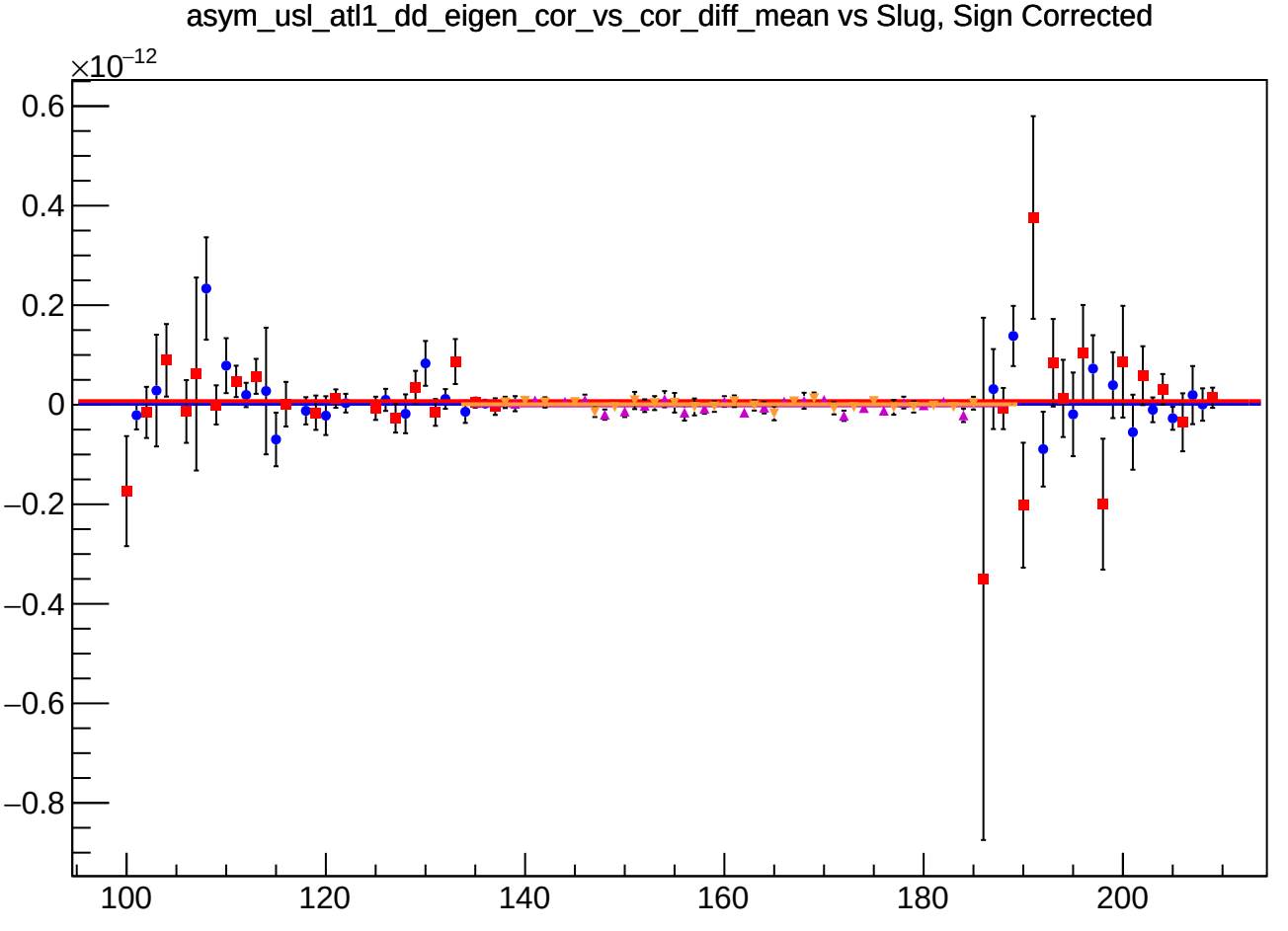
Left: 21.703+/-0.003 χ^2/NDF: 1686066.1/46

Right: 29.830+/-0.004 χ^2/NDF: 8098504.7/57

In: 23.599+/-0.003 χ^2/NDF:5569338.0/49

Out: 24.564+/-0.003 χ^2/NDF:6655956.8/54

All: 24.074+/-0.002 χ^2/NDF: 12267608.7/104



Right In: 0.000+/-0.000 χ^2/NDF: 25.8/26

Left Out: 0.000+/-0.000 χ^2/NDF:11.6/23

Right Out: 0.000+/-0.000 χ^2/NDF: 28.8/30

Left In: -0.000+/-0.000 χ^2/NDF:25.8/22

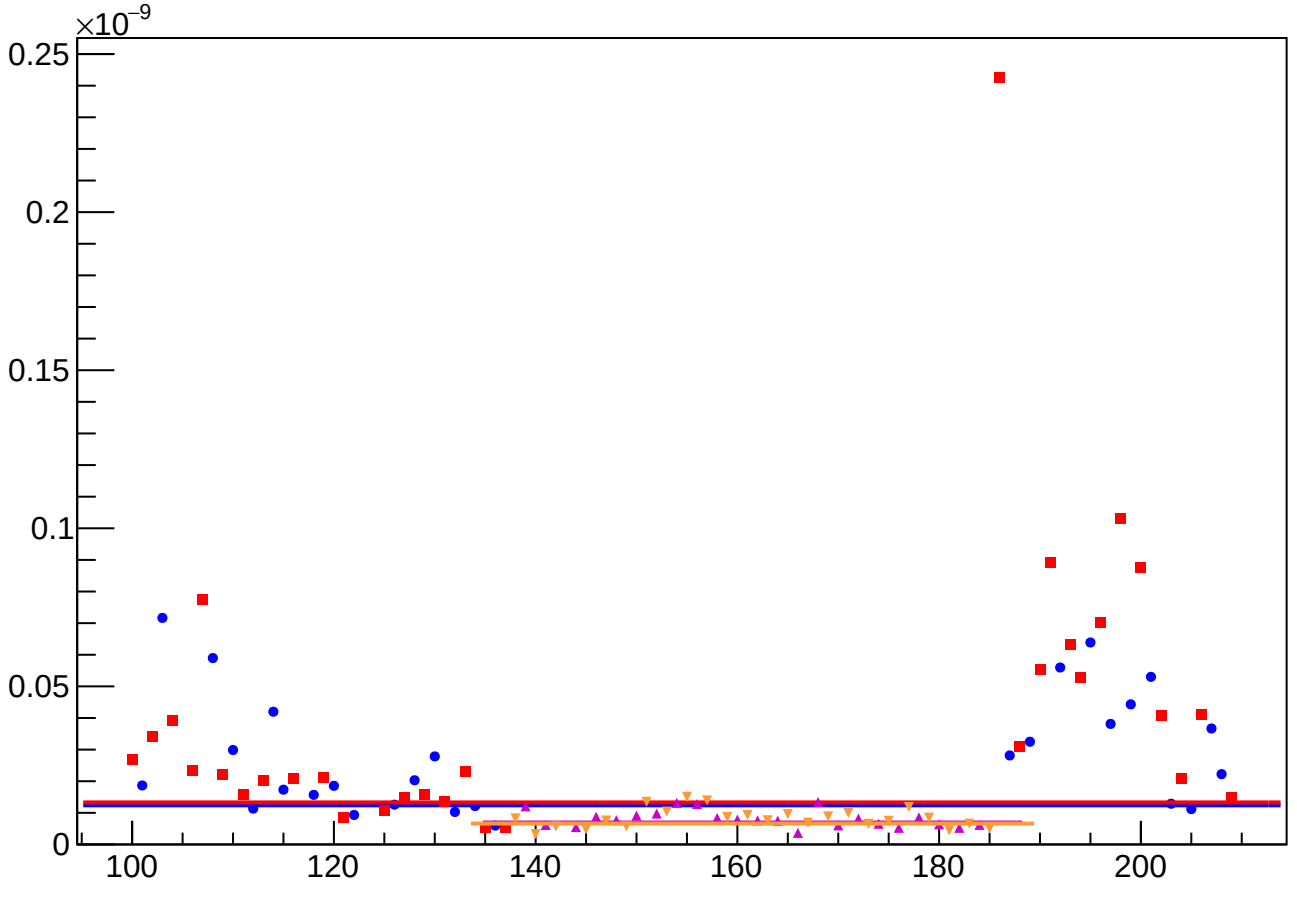
Left: -0.000+/-0.000 χ^2/NDF: 38.0/46

Right: 0.000+/-0.000 χ^2/NDF: 55.0/57

In: -0.000+/-0.000 χ^2/NDF:51.9/49

Out: 0.000+/-0.000 χ^2/NDF:41.5/54

All: 0.000+/-0.000 χ^2/NDF: 94.2/104



Right In: 0.000+/-0.000 χ^2/NDF: 6616163.2/26

Left Out: 0.000+/-0.000 χ^2/NDF:3457171.1/23

Right Out: 0.000+/-0.000 χ^2/NDF: 9113150.0/30

Left In: 0.000+/-0.000 χ^2/NDF:2315472.3/22

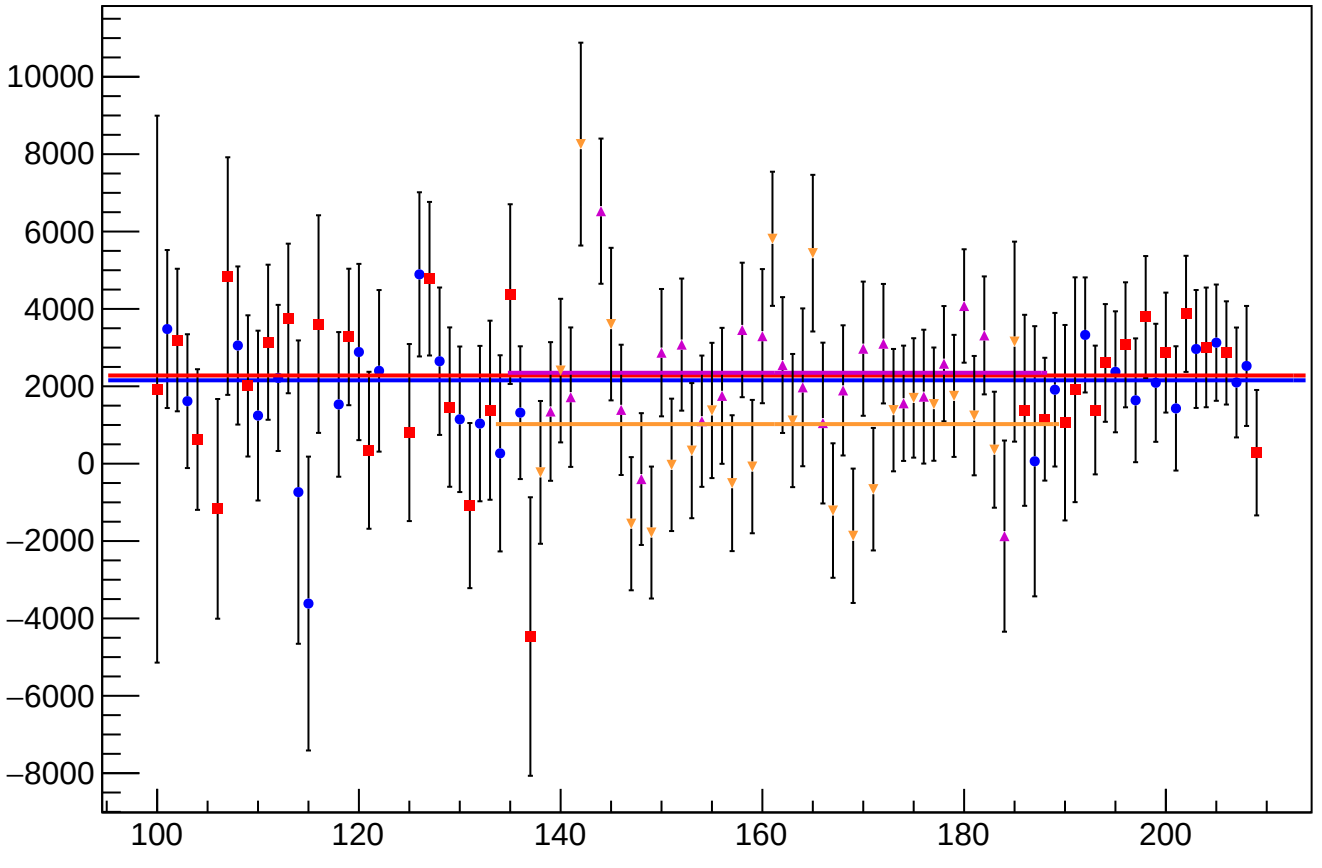
Left: 0.000+/-0.000 χ^2/NDF: 5798902.3/46

Right: 0.000+/-0.000 χ^2/NDF: 15758172.8/57

In: 0.000+/-0.000 χ^2/NDF:10805723.0/49

Out: 0.000+/-0.000 χ^2/NDF:15132361.9/54

All: 0.000+/-0.000 χ^2/NDF: 25961548.3/104



Right In: 2154.462+/-356.761 χ^2/NDF: 9.2/26

Left Out: 1022.603+/-353.459 χ^2/NDF:36.4/23

Right Out: 2279.594+/-346.282 χ^2/NDF: 20.2/30

Left In: 2349.189+/-357.068 χ^2/NDF:16.0/22

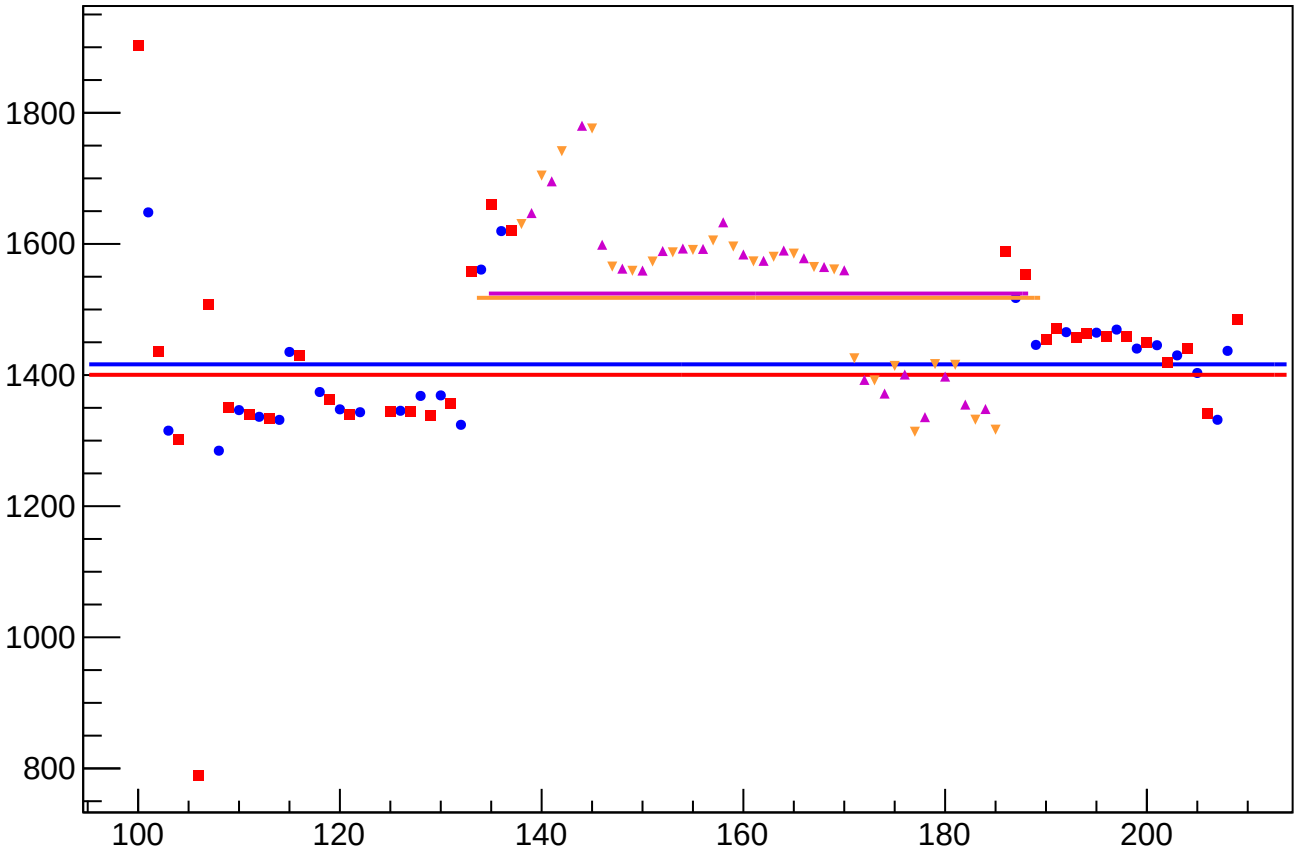
Left: 1679.158+/-251.199 χ^2/NDF: 59.4/46

Right: 2218.893+/-248.480 χ^2/NDF: 29.4/57

In: 2251.742+/-252.377 χ^2/NDF:25.3/49

Out: 1663.990+/-247.357 χ^2/NDF:63.1/54

All: 1951.962+/-176.656 χ^2/NDF: 91.2/104



Right In: 1416.357+/-0.252 χ^2/NDF: 113671.5/26

Left Out: 1517.815+/-0.250 χ^2/NDF:233957.9/23

Right Out: 1400.377+/-0.241 χ^2/NDF: 404838.0/30

Left In: 1524.314+/-0.252 χ^2/NDF:224321.2/22

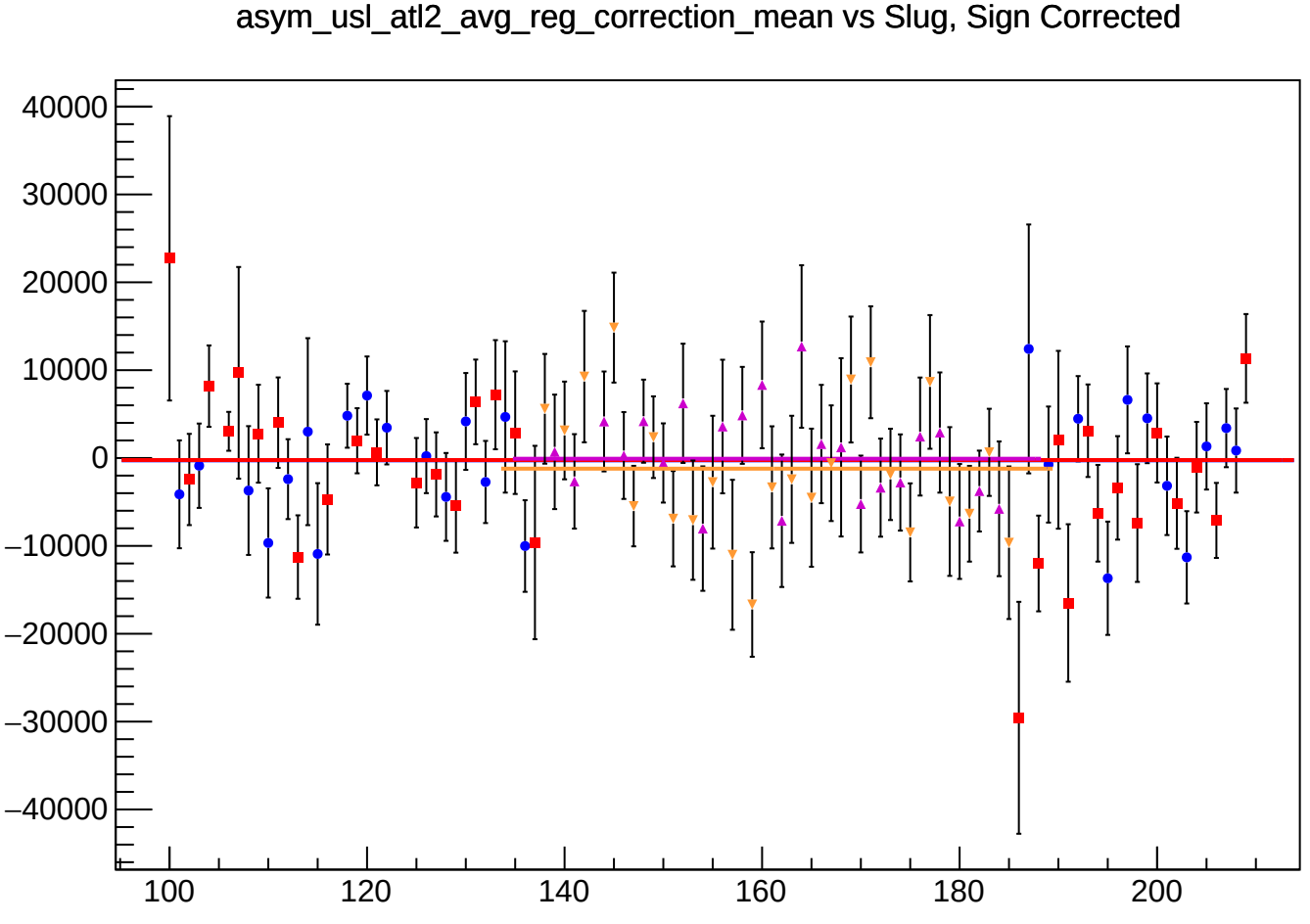
Left: 1521.032+/-0.178 χ^2/NDF: 458613.7/46

Right: 1408.014+/-0.174 χ^2/NDF: 520604.5/57

In: 1470.289+/-0.178 χ^2/NDF:429482.5/49

Out: 1457.049+/-0.174 χ^2/NDF:753038.4/54

All: 1463.487+/-0.124 χ^2/NDF: 1185348.8/10



Right In: -262.432+/-1021.260 χ^2/NDF: 29.7/26

Left Out: -1211.893+/-1268.315 χ^2/NDF:33.2/23

Right Out: -228.110+/-920.735 χ^2/NDF: 46.3/30

Left In: -80.780+/-1264.327 χ^2/NDF:13.2/22

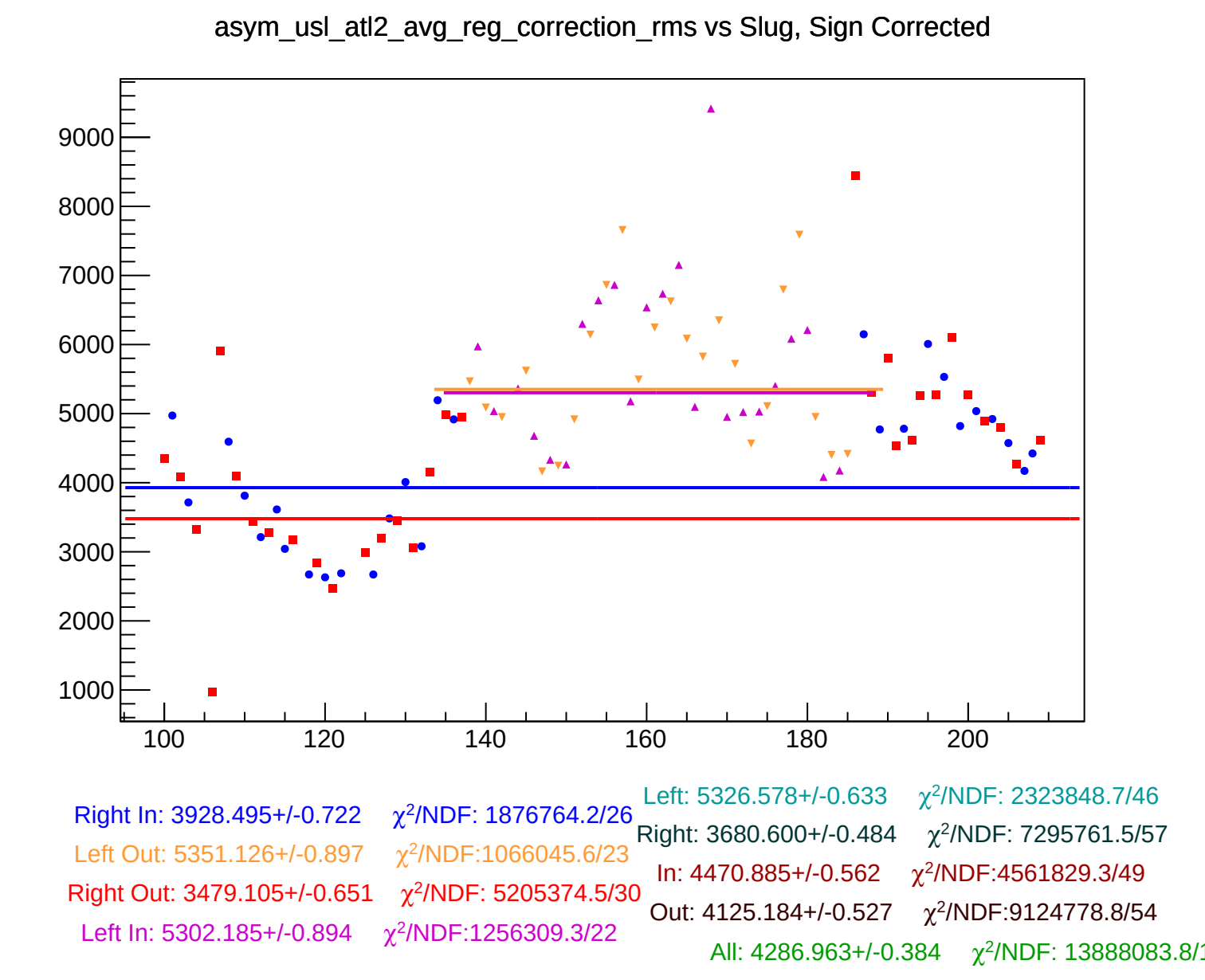
Left: -644.555+/-895.421 χ^2/NDF: 46.8/46

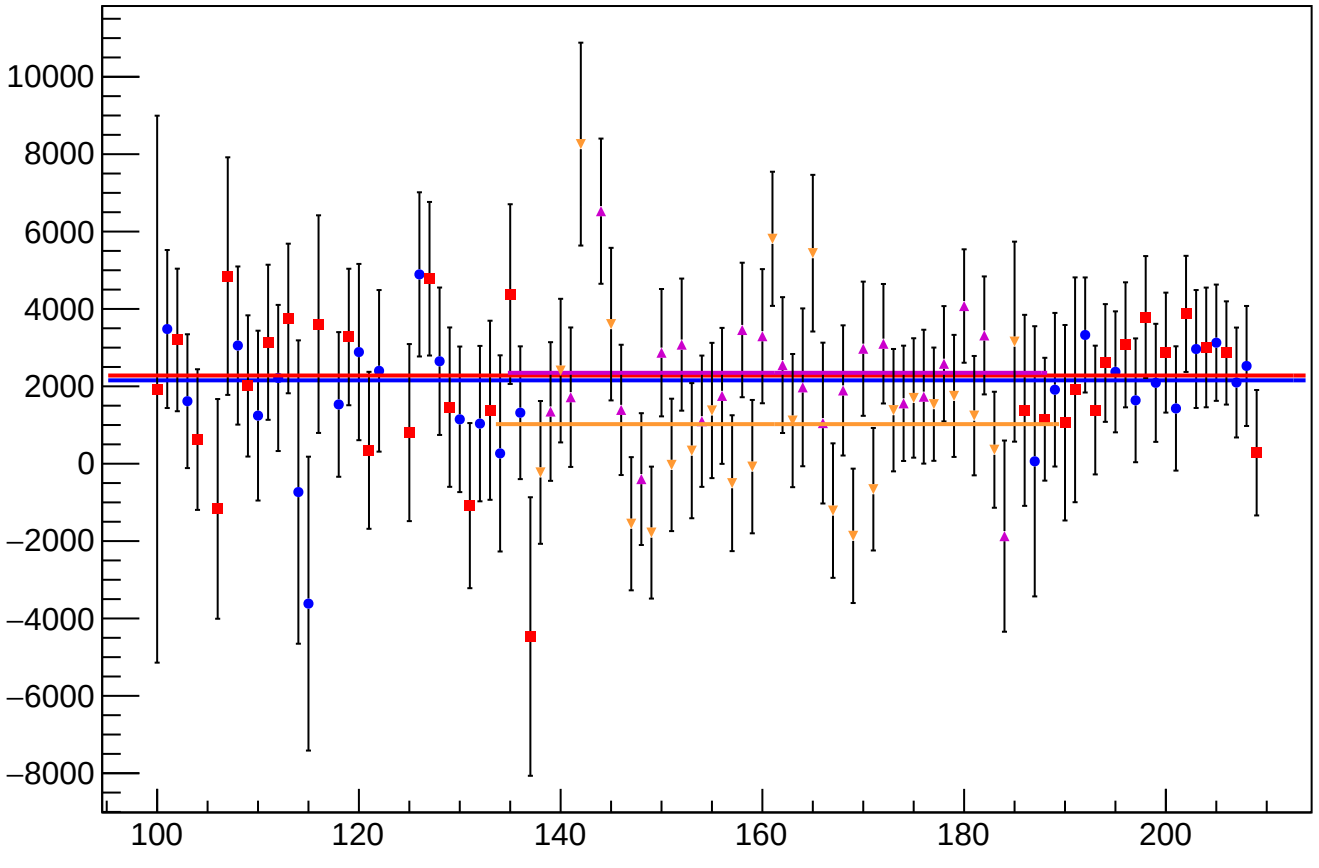
Right: -243.499+/-683.844 χ^2/NDF: 76.0/57

In: -190.708+/-794.458 χ^2/NDF:42.9/49

Out: -567.636+/-745.100 χ^2/NDF:79.9/54

All: -391.244+/-543.477 χ^2/NDF: 123.0/104


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
Right In: 3928.495+/-0.722 χ²/NDF: 1876764.2/26
Left Out: 5351.126+/-0.897 χ²/NDF:1066045.6/23
Right Out: 3479.105+/-0.651 χ²/NDF: 5205374.5/30
Left In: 5302.185+/-0.894 χ²/NDF:1256309.3/22
Left: 5326.578+/-0.633 χ²/NDF: 2323848.7/46
Right: 3680.600+/-0.484 χ²/NDF: 7295761.5/57
In: 4470.885+/-0.562 χ²/NDF:4561829.3/49
Out: 4125.184+/-0.527 χ²/NDF:9124778.8/54
All: 4286.963+/-0.384 χ²/NDF: 13888083.8/



Right In: 2154.444+/-356.761 χ^2/NDF: 9.2/26

Left Out: 1022.634+/-353.459 χ^2/NDF:36.4/23

Right Out: 2279.668+/-346.283 χ^2/NDF: 20.2/30

Left In: 2349.186+/-357.068 χ^2/NDF:16.0/22

Left: 1679.172+/-251.199 χ^2/NDF: 59.4/46

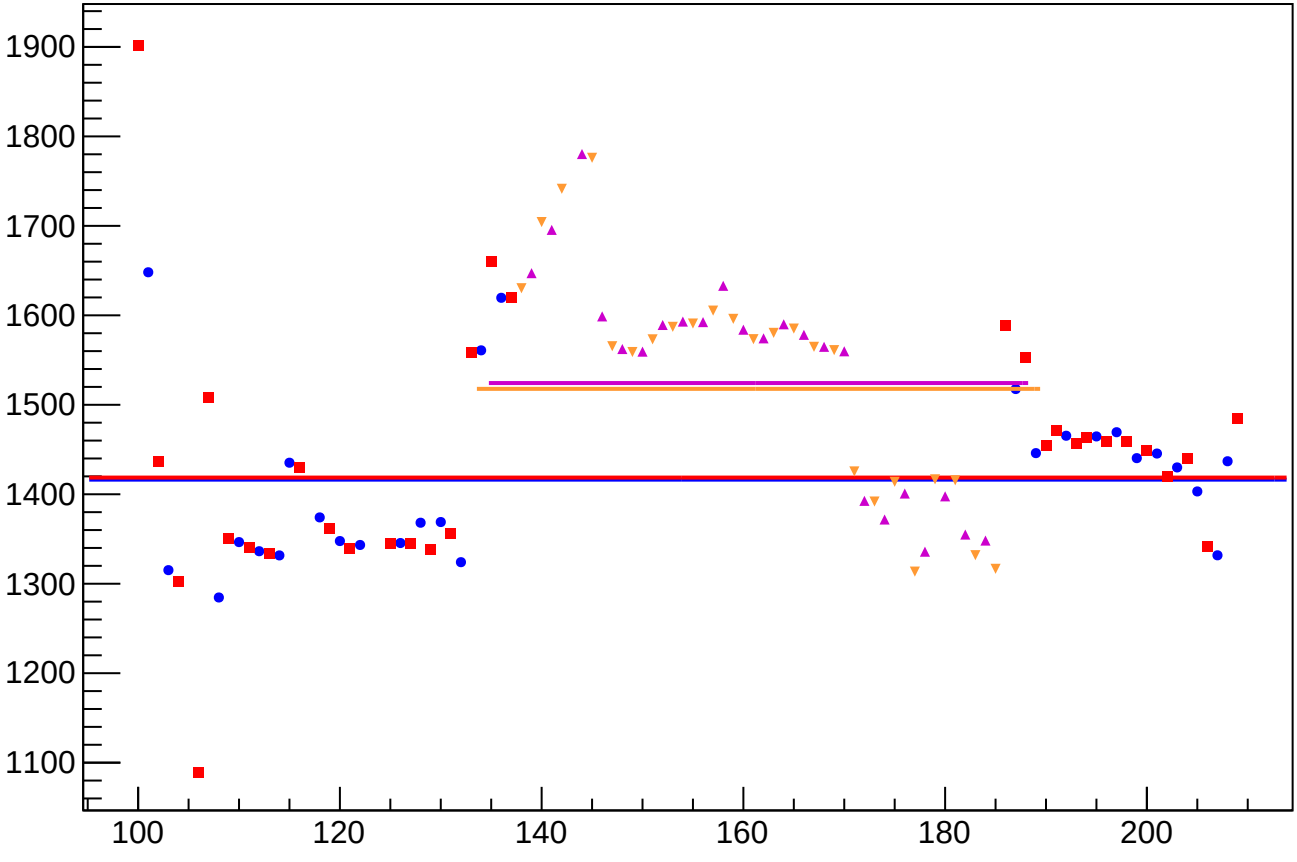
Right: 2218.922+/-248.481 χ^2/NDF: 29.4/57

In: 2251.731+/-252.377 χ^2/NDF:25.3/49

Out: 1664.041+/-247.357 χ^2/NDF:63.1/54

All: 1951.983+/-176.656 χ^2/NDF: 91.2/104

cor_asym_usl_atl2_avg_rms vs Slug, Sign Corrected



Right In: 1416.357+/-0.252 χ^2/NDF: 113671.5/26

Left Out: 1517.815+/-0.250 χ^2/NDF:233957.9/23

Right Out: 1418.655+/-0.243 χ^2/NDF: 169087.3/30

Left In: 1524.314+/-0.252 χ^2/NDF:224321.2/22

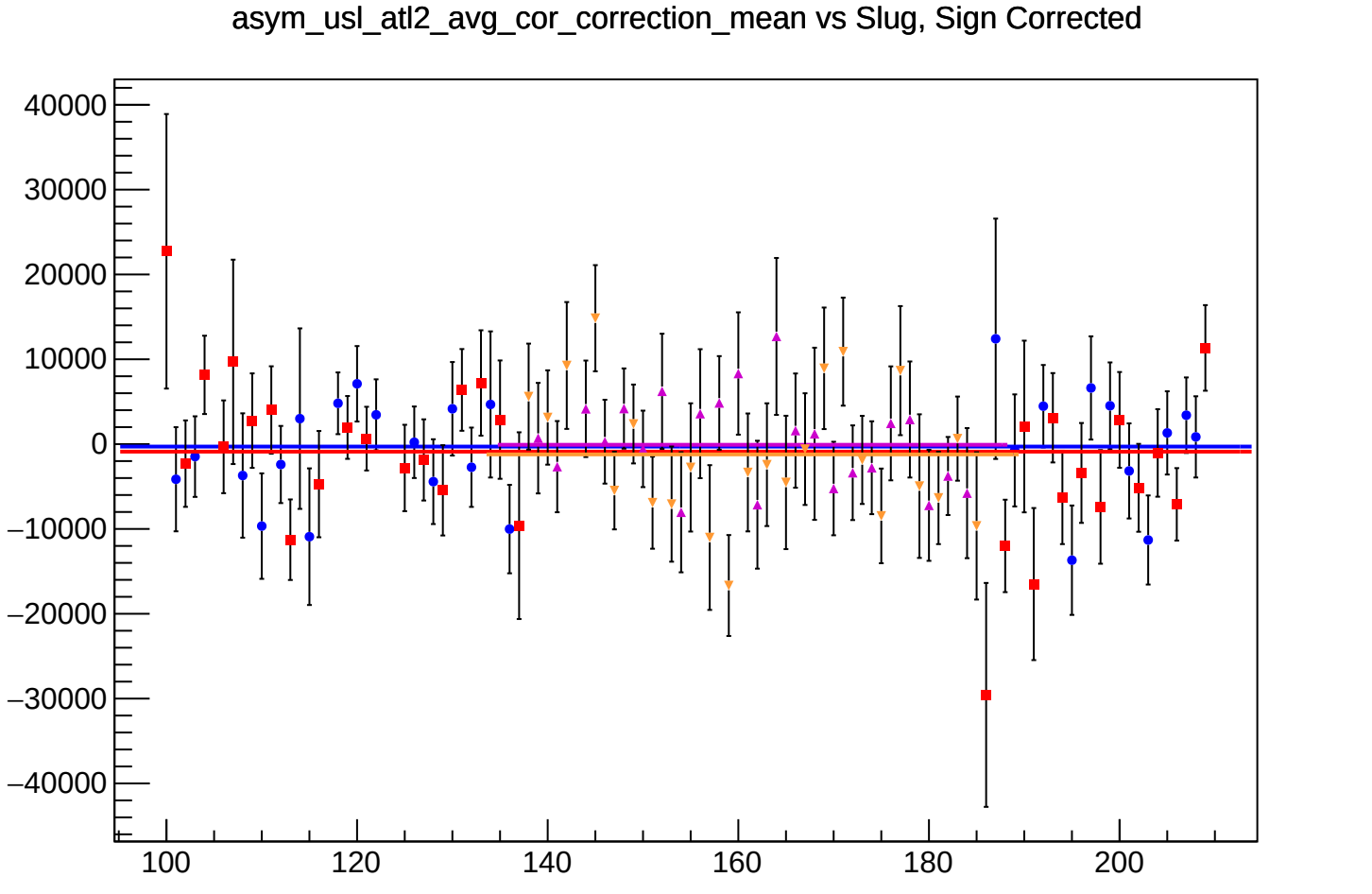
Left: 1521.032+/-0.178 χ^2/NDF: 458613.6/46

Right: 1417.547+/-0.175 χ^2/NDF: 282801.8/57

In: 1470.289+/-0.178 χ^2/NDF:429482.6/49

Out: 1466.922+/-0.174 χ^2/NDF:483833.8/54

All: 1468.566+/-0.125 χ^2/NDF: 913498.6/104



Right In: -290.836+/-1020.777 χ^2/NDF: 29.7/26

Left Out: -1211.889+/-1268.316 χ^2/NDF:33.2/23

Right Out: -886.542+/-994.641 χ^2/NDF: 43.7/30

Left In: -80.689+/-1264.325 χ^2/NDF:13.2/22

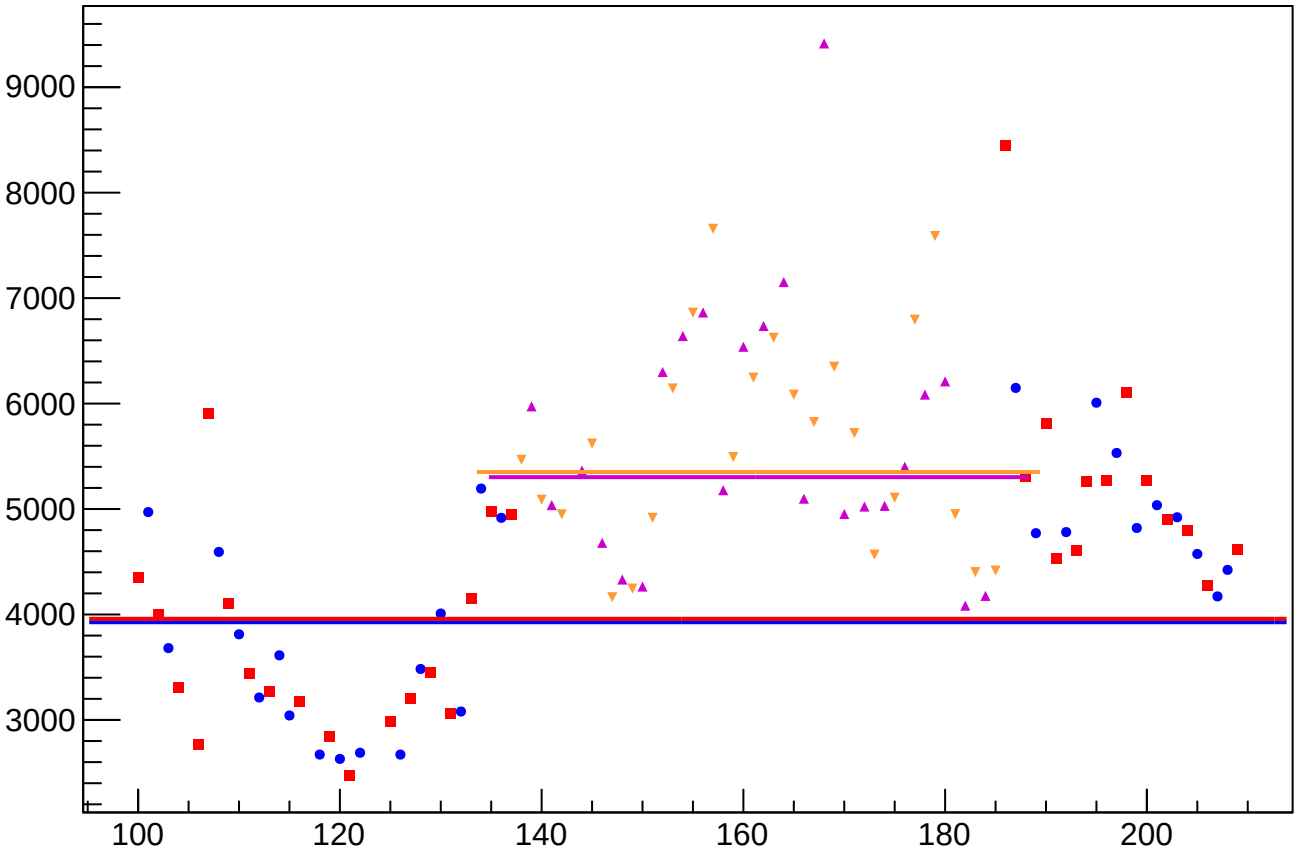
Left: -644.506+/-895.421 χ^2/NDF: 46.8/46

Right: -596.412+/-712.378 χ^2/NDF: 73.6/57

In: -207.908+/-794.230 χ^2/NDF:43.0/49

Out: -1010.436+/-782.672 χ^2/NDF:77.0/54

All: -615.054+/-557.474 χ^2/NDF: 120.4/104



Right In: 3926.729+/-0.722 χ^2/NDF: 1878118.1/26

Left Out: 5351.132+/-0.897 χ^2/NDF:1066039.6/23

Right Out: 3959.356+/-0.703 χ^2/NDF: 2196912.2/30

Left In: 5302.177+/-0.894 χ^2/NDF:1256324.3/22

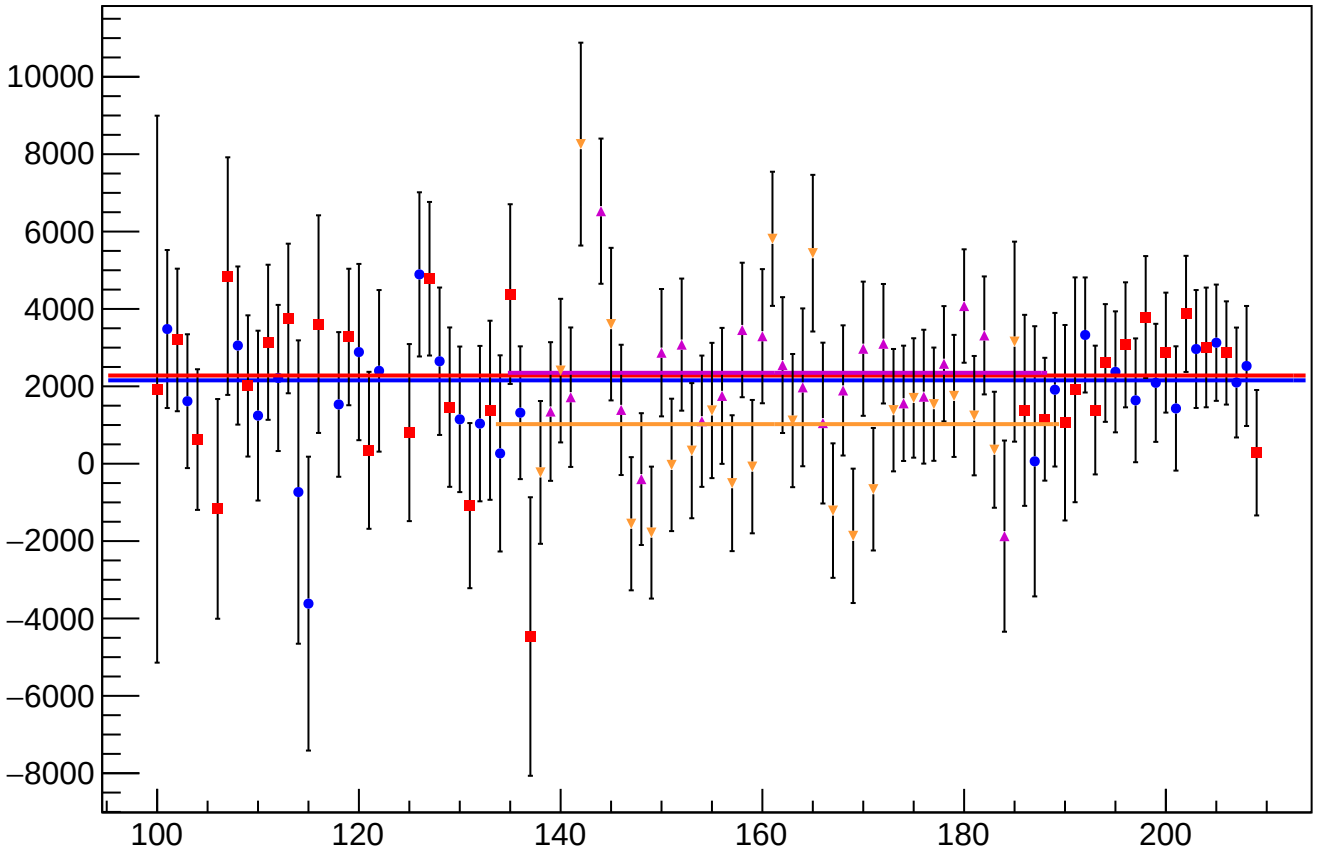
Left: 5326.577+/-0.633 χ^2/NDF: 2323858.4/46

Right: 3943.465+/-0.504 χ^2/NDF: 4076078.4/57

In: 4469.503+/-0.562 χ^2/NDF:4567393.9/49

Out: 4489.353+/-0.553 χ^2/NDF:4754165.8/54

All: 4479.573+/-0.394 χ^2/NDF: 9322193.5/10



Right In: 2154.444+/-356.761 χ^2/NDF: 9.2/26

Left Out: 1022.634+/-353.459 χ^2/NDF:36.4/23

Right Out: 2279.668+/-346.283 χ^2/NDF: 20.2/30

Left In: 2349.186+/-357.068 χ^2/NDF:16.0/22

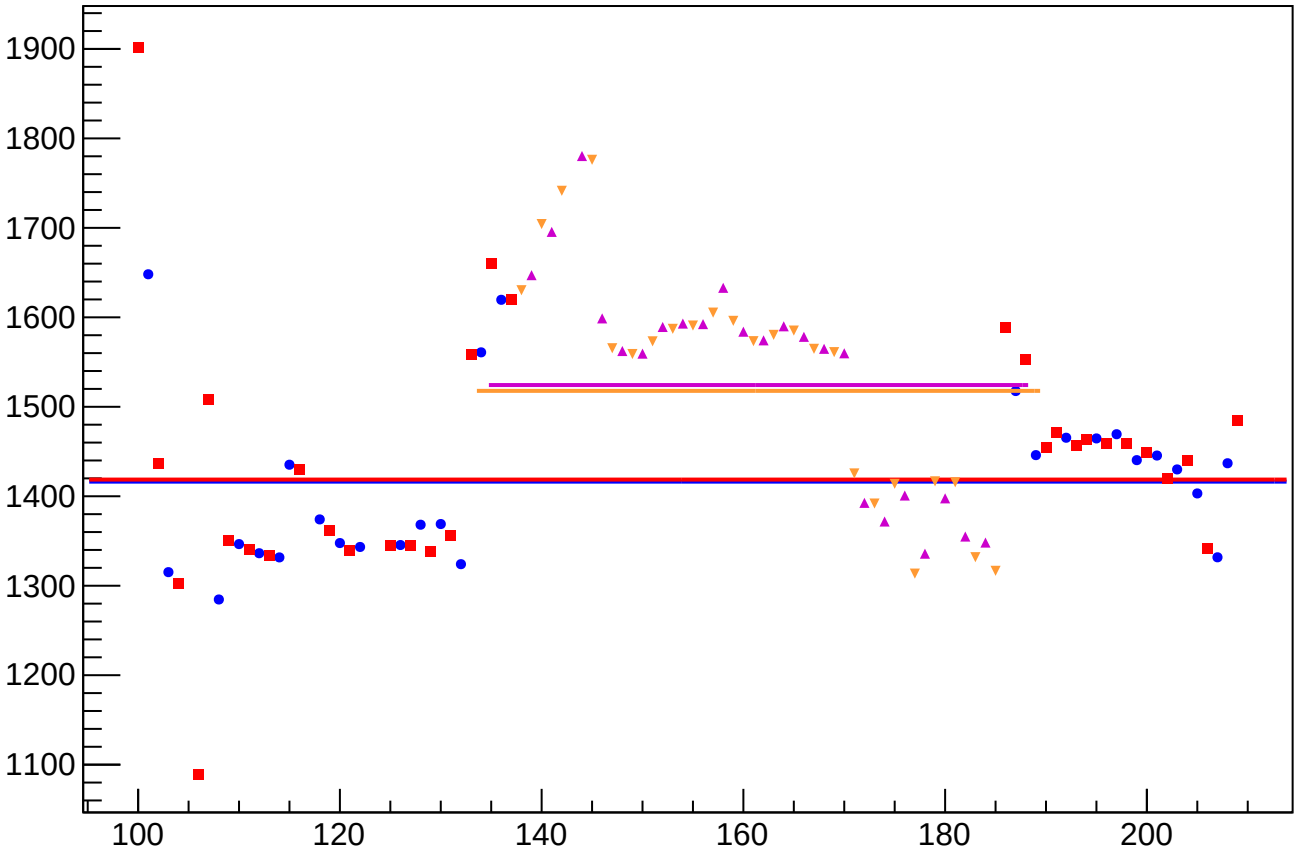
Left: 1679.172+/-251.199 χ^2/NDF: 59.4/46

Right: 2218.922+/-248.481 χ^2/NDF: 29.4/57

In: 2251.731+/-252.377 χ^2/NDF:25.3/49

Out: 1664.041+/-247.357 χ^2/NDF:63.1/54

All: 1951.983+/-176.656 χ^2/NDF: 91.2/104



Right In: 1416.357+/-0.252 χ^2/NDF: 113671.5/26

Left Out: 1517.815+/-0.250 χ^2/NDF:233957.9/23

Right Out: 1418.655+/-0.243 χ^2/NDF: 169087.3/30

Left In: 1524.314+/-0.252 χ^2/NDF:224321.2/22

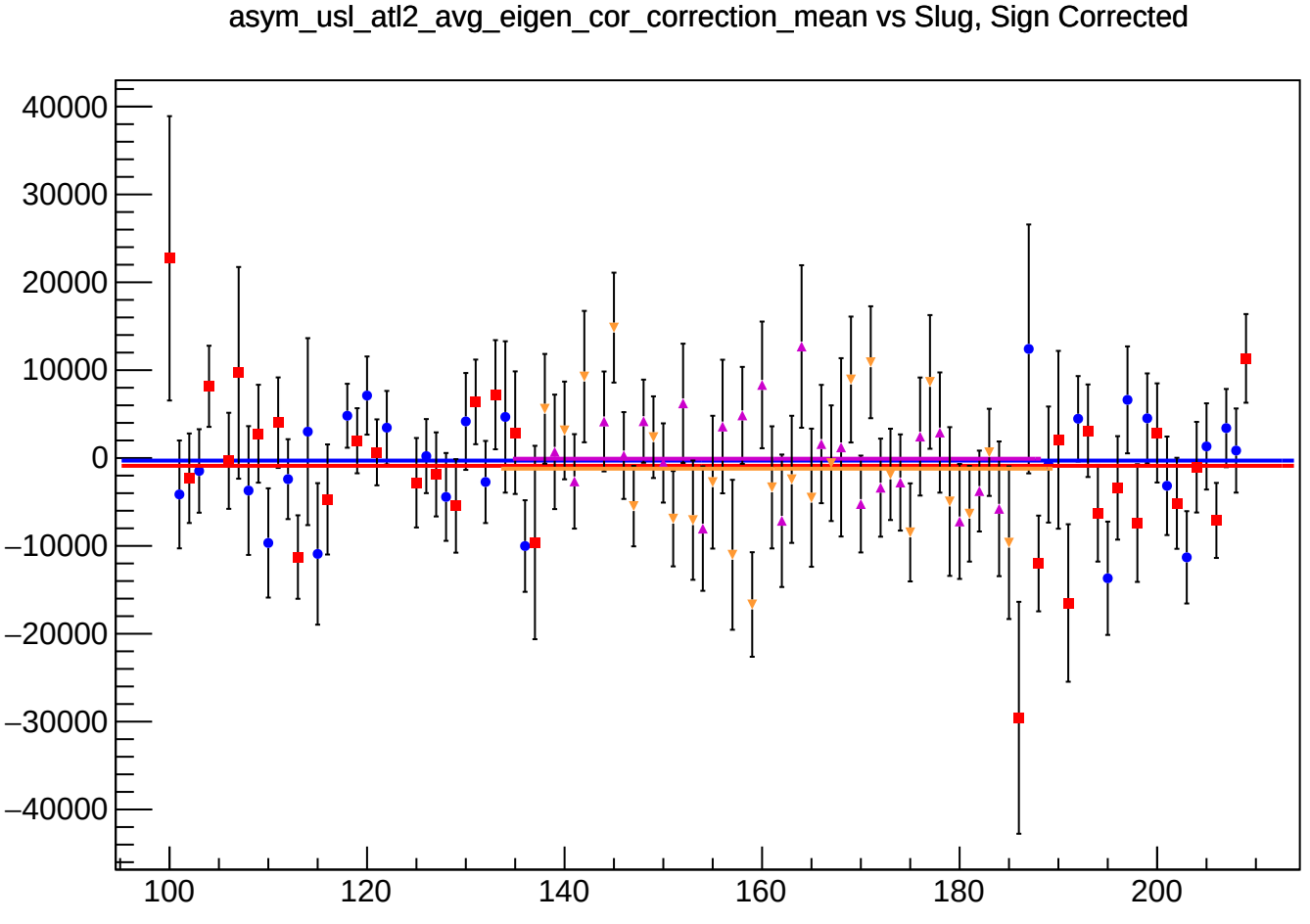
Left: 1521.032+/-0.178 χ^2/NDF: 458613.6/46

Right: 1417.547+/-0.175 χ^2/NDF: 282801.8/57

In: 1470.289+/-0.178 χ^2/NDF:429482.6/49

Out: 1466.922+/-0.174 χ^2/NDF:483833.8/54

All: 1468.566+/-0.125 χ^2/NDF: 913498.6/104



Right In: -290.836+/-1020.777 χ^2/NDF: 29.7/26

Left Out: -1211.889+/-1268.316 χ^2/NDF:33.2/23

Right Out: -886.542+/-994.641 χ^2/NDF: 43.7/30

Left In: -80.689+/-1264.325 χ^2/NDF:13.2/22

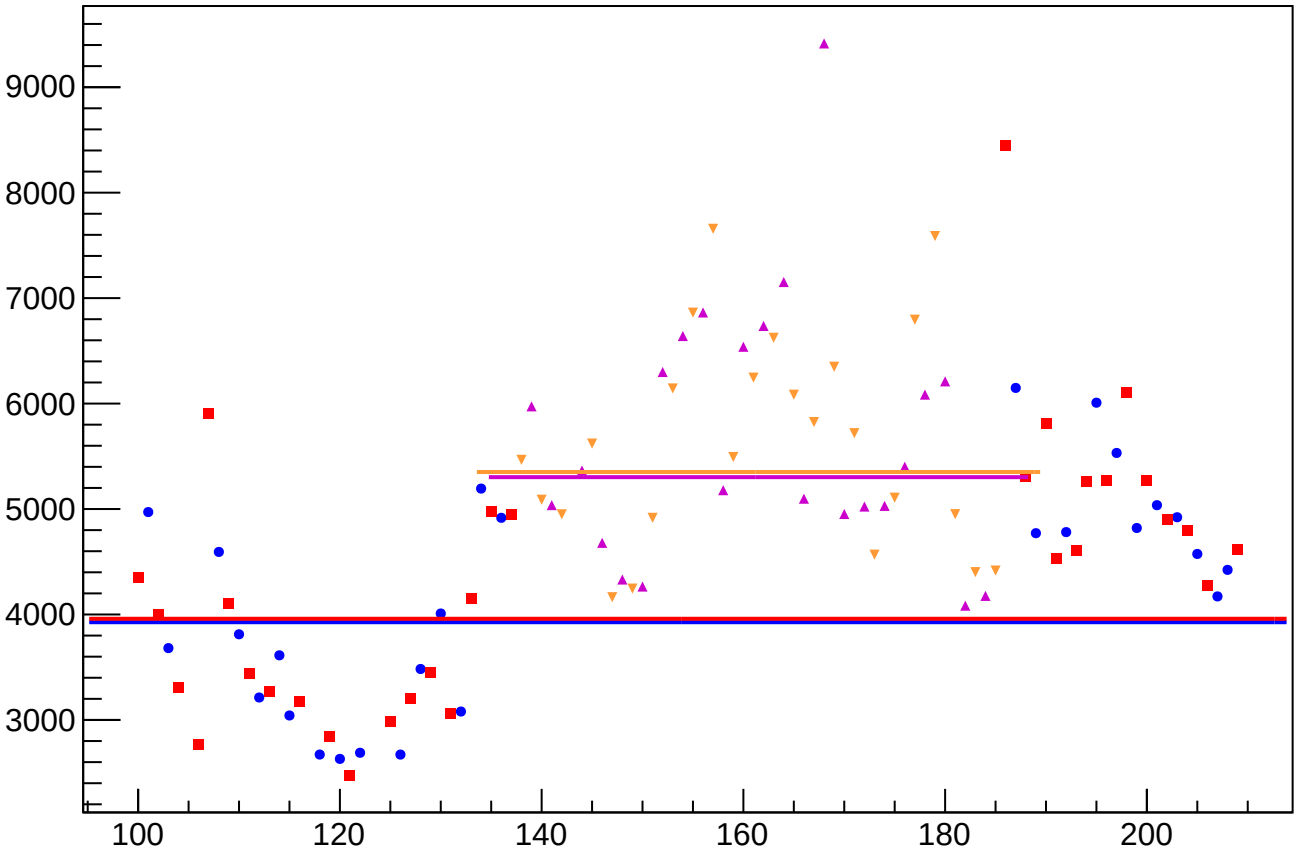
Left: -644.506+/-895.421 χ^2/NDF: 46.8/46

Right: -596.412+/-712.378 χ^2/NDF: 73.6/57

In: -207.908+/-794.230 χ^2/NDF:43.0/49

Out: -1010.436+/-782.672 χ^2/NDF:77.0/54

All: -615.054+/-557.474 χ^2/NDF: 120.4/104



Right In: 3926.729+/-0.722 χ^2/NDF: 1878118.1/26

Left Out: 5351.132+/-0.897 χ^2/NDF:1066039.6/23

Right Out: 3959.356+/-0.703 χ^2/NDF: 2196912.2/30

Left In: 5302.177+/-0.894 χ^2/NDF:1256324.3/22

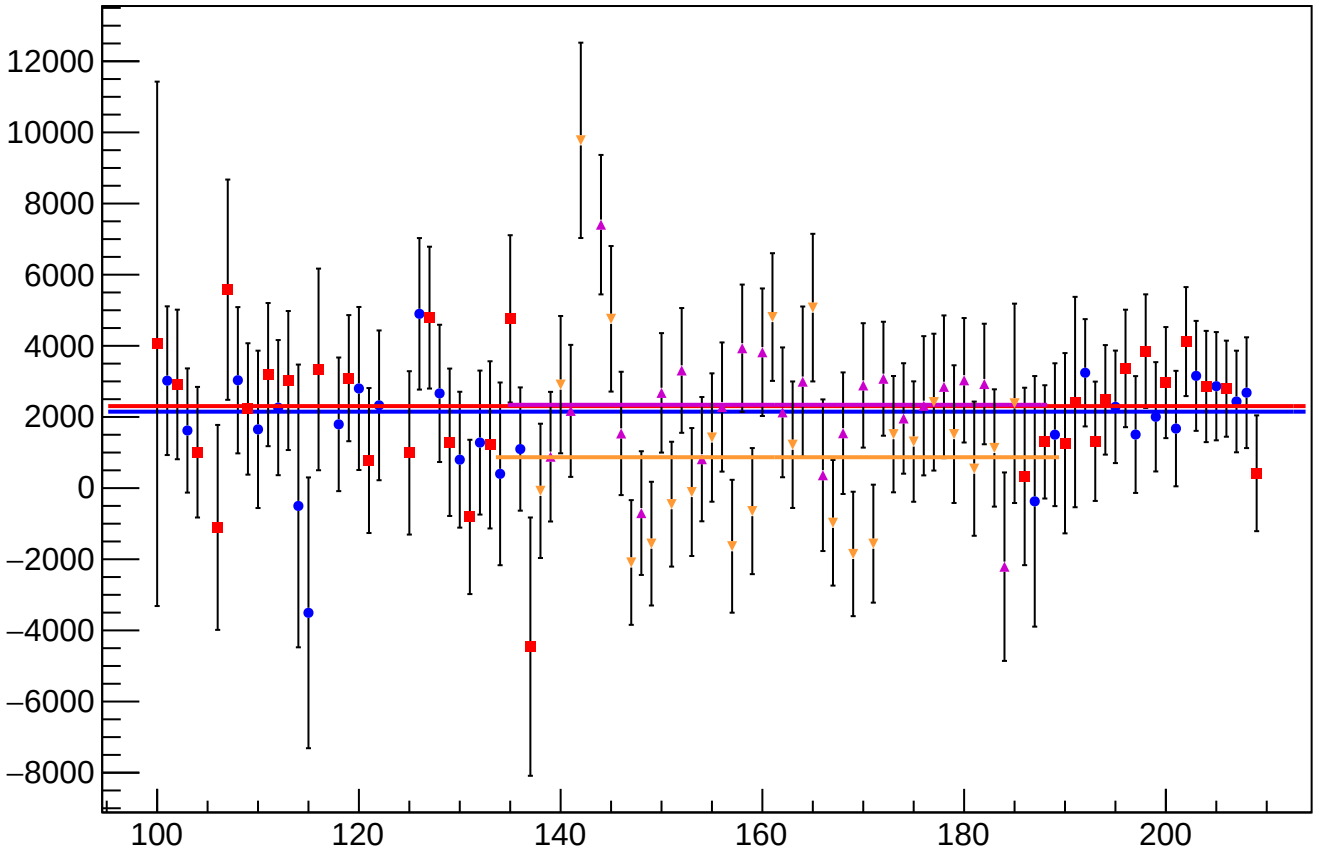
Left: 5326.577+/-0.633 χ^2/NDF: 2323858.4/46

Right: 3943.465+/-0.504 χ^2/NDF: 4076078.4/57

In: 4469.503+/-0.562 χ^2/NDF:4567393.9/49

Out: 4489.353+/-0.553 χ^2/NDF:4754165.8/54

All: 4479.573+/-0.394 χ^2/NDF: 9322193.5/10



Right In: 2148.956+/-360.514 χ^2/NDF: 8.7/26

Left Out: 868.415+/-377.179 χ^2/NDF:39.7/23

Right Out: 2305.291+/-351.175 χ^2/NDF: 19.4/30

Left In: 2342.303+/-378.114 χ^2/NDF:18.0/22

Left: 1603.536+/-267.036 χ^2/NDF: 65.4/46

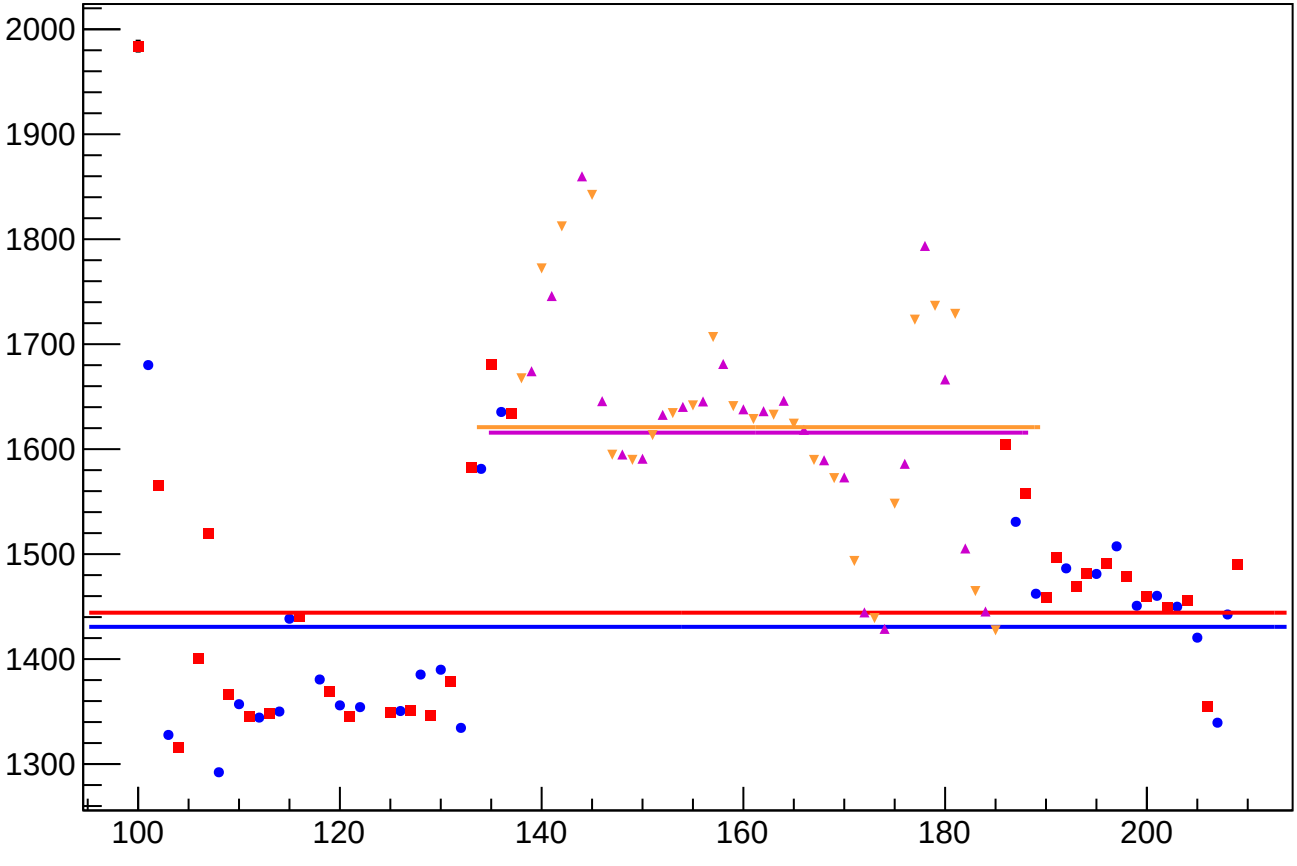
Right: 2229.174+/-251.555 χ^2/NDF: 28.3/57

In: 2241.025+/-260.922 χ^2/NDF:26.9/49

Out: 1638.089+/-257.020 χ^2/NDF:67.0/54

All: 1935.015+/-183.105 χ^2/NDF: 96.6/104

dit_asym_usl_atl2_avg_rms vs Slug, Sign Corrected



Right In: 1430.709+/-0.255 χ^2/NDF: 122986.0/26

Left Out: 1620.945+/-0.267 χ^2/NDF:141985.5/23

Right Out: 1444.187+/-0.248 χ^2/NDF: 131131.6/30

Left In: 1615.705+/-0.267 χ^2/NDF:137139.2/22

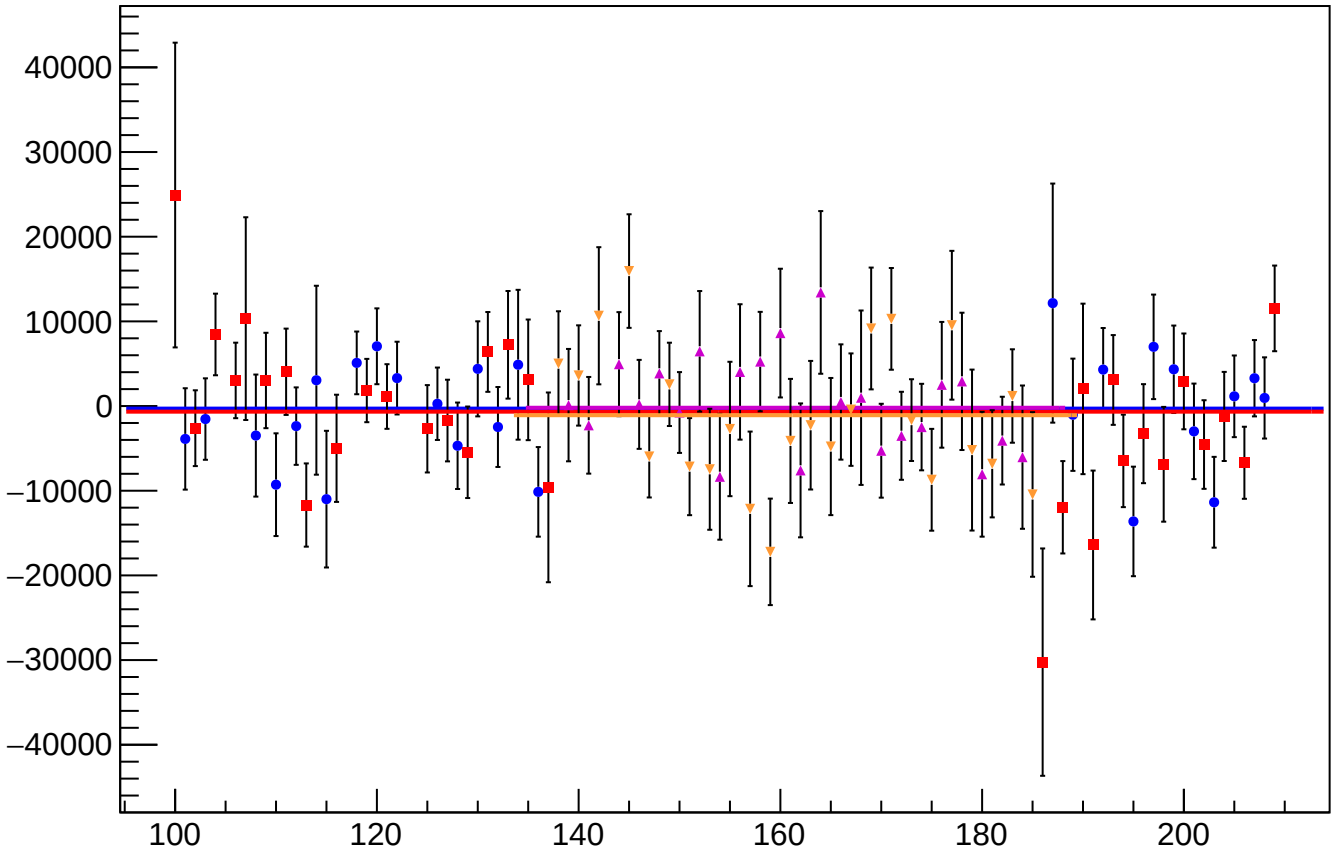
Left: 1618.331+/-0.189 χ^2/NDF: 279317.2/46

Right: 1437.633+/-0.178 χ^2/NDF: 255553.7/57

In: 1518.801+/-0.184 χ^2/NDF:510901.6/49

Out: 1526.160+/-0.182 χ^2/NDF:508651.3/54

All: 1522.538+/-0.129 χ^2/NDF: 1020360.8/10



Right In: -302.679+/-1029.977 χ^2/NDF: 29.3/26

Left Out: -1082.232+/-1332.403 χ^2/NDF:32.9/23

Right Out: -662.755+/-988.993 χ^2/NDF: 44.3/30

Left In: -201.662+/-1326.173 χ^2/NDF:12.9/22

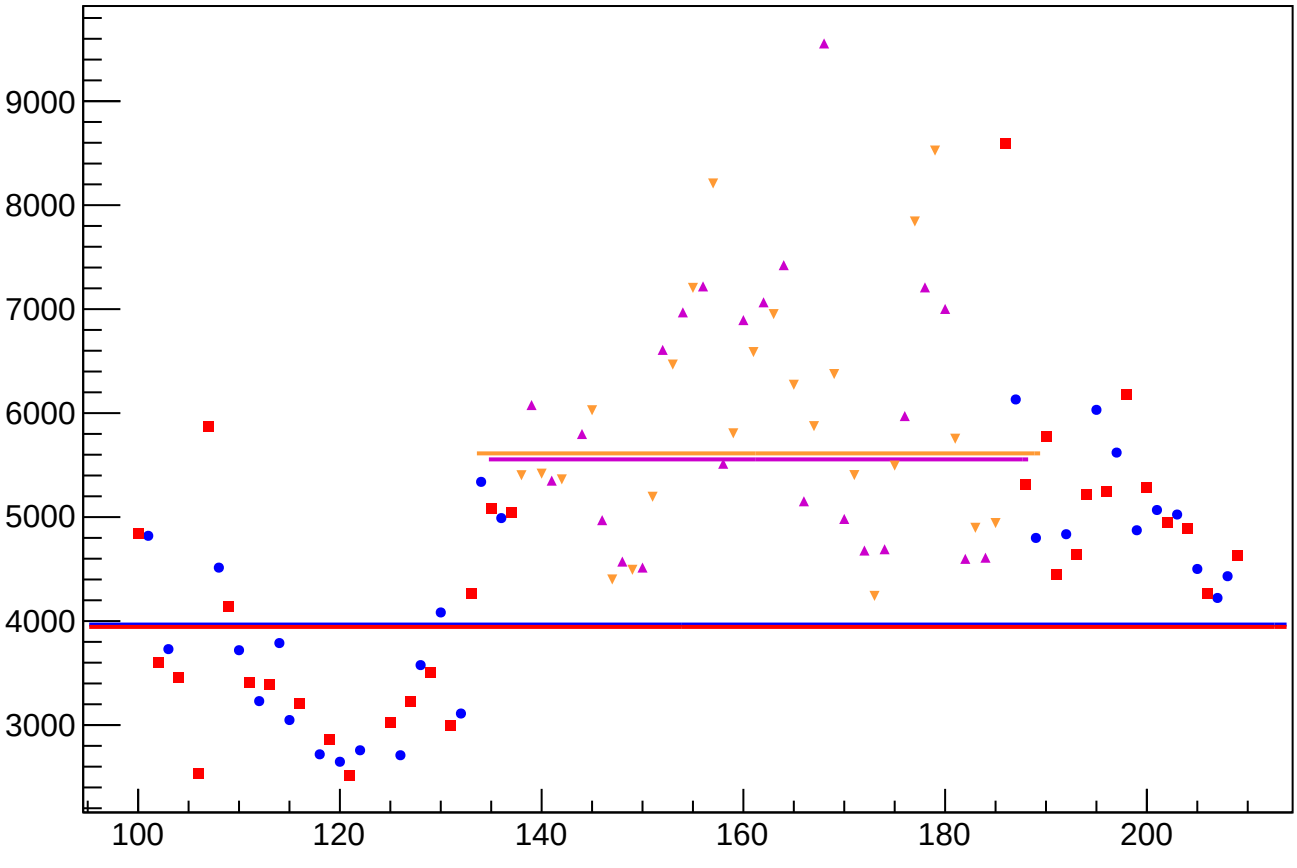
Left: -639.884+/-939.941 χ^2/NDF: 46.1/46

Right: -490.023+/-713.372 χ^2/NDF: 73.6/57

In: -264.672+/-813.458 χ^2/NDF:42.1/49

Out: -811.768+/-794.134 χ^2/NDF:77.3/54

All: -544.795+/-568.246 χ^2/NDF: 119.7/104



Right In: 3966.480+/-0.728 χ^2/NDF: 1825964.0/26

Left Out: 5612.730+/-0.942 χ^2/NDF:1188118.0/23

Right Out: 3943.959+/-0.699 χ^2/NDF: 2285911.4/30

Left In: 5554.927+/-0.938 χ^2/NDF:1332970.4/22

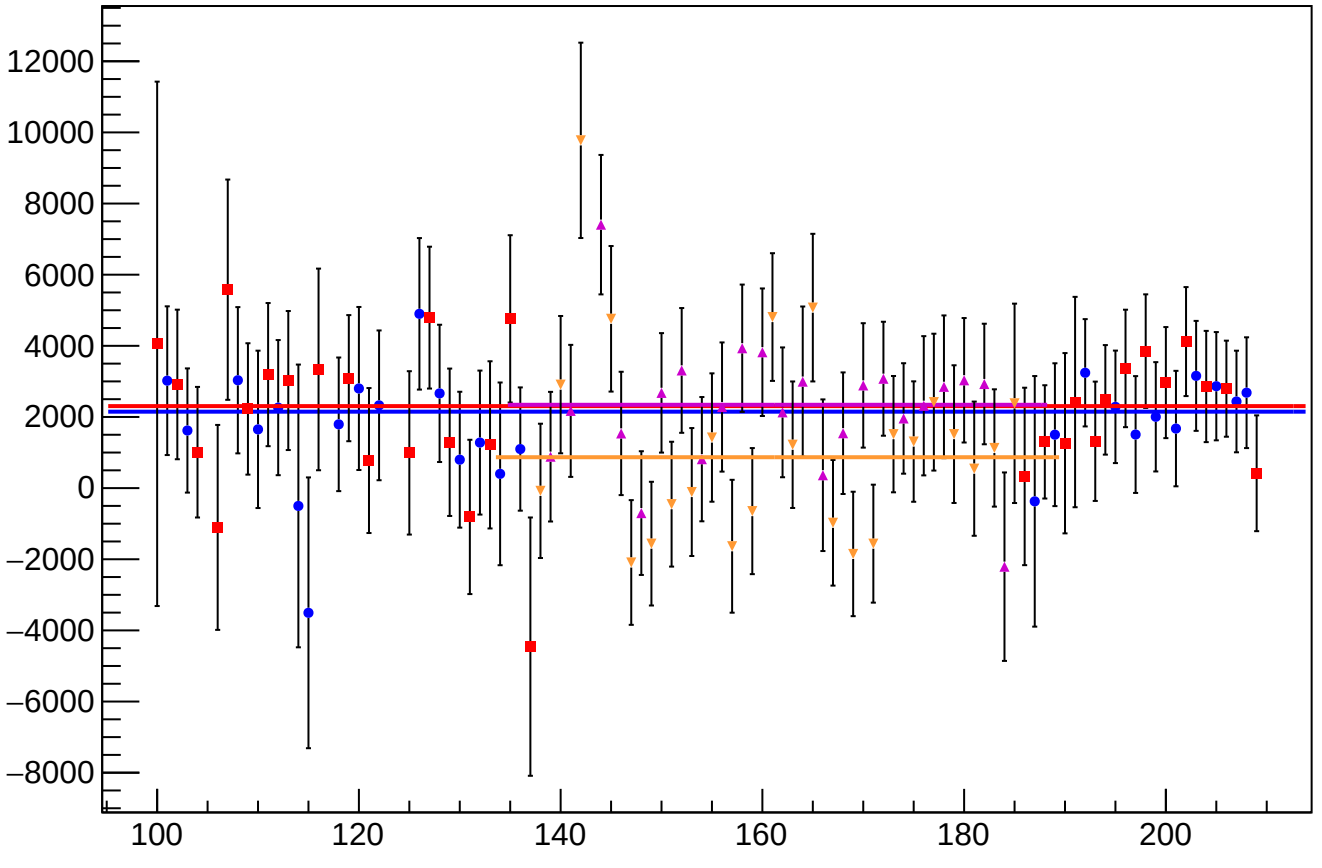
Left: 5583.693+/-0.665 χ^2/NDF: 2522979.3/46

Right: 3954.763+/-0.504 χ^2/NDF: 4112372.9/57

In: 4564.123+/-0.575 χ^2/NDF:4948672.4/49

Out: 4536.766+/-0.562 χ^2/NDF:5496833.0/54

All: 4550.116+/-0.402 χ^2/NDF: 10446663.7/1



Right In: 2148.956+/-360.514 χ^2/NDF: 8.7/26

Left Out: 868.410+/-377.180 χ^2/NDF:39.7/23

Right Out: 2305.289+/-351.175 χ^2/NDF: 19.4/30

Left In: 2342.303+/-378.114 χ^2/NDF:18.0/22

Left: 1603.533+/-267.036 χ^2/NDF: 65.4/46

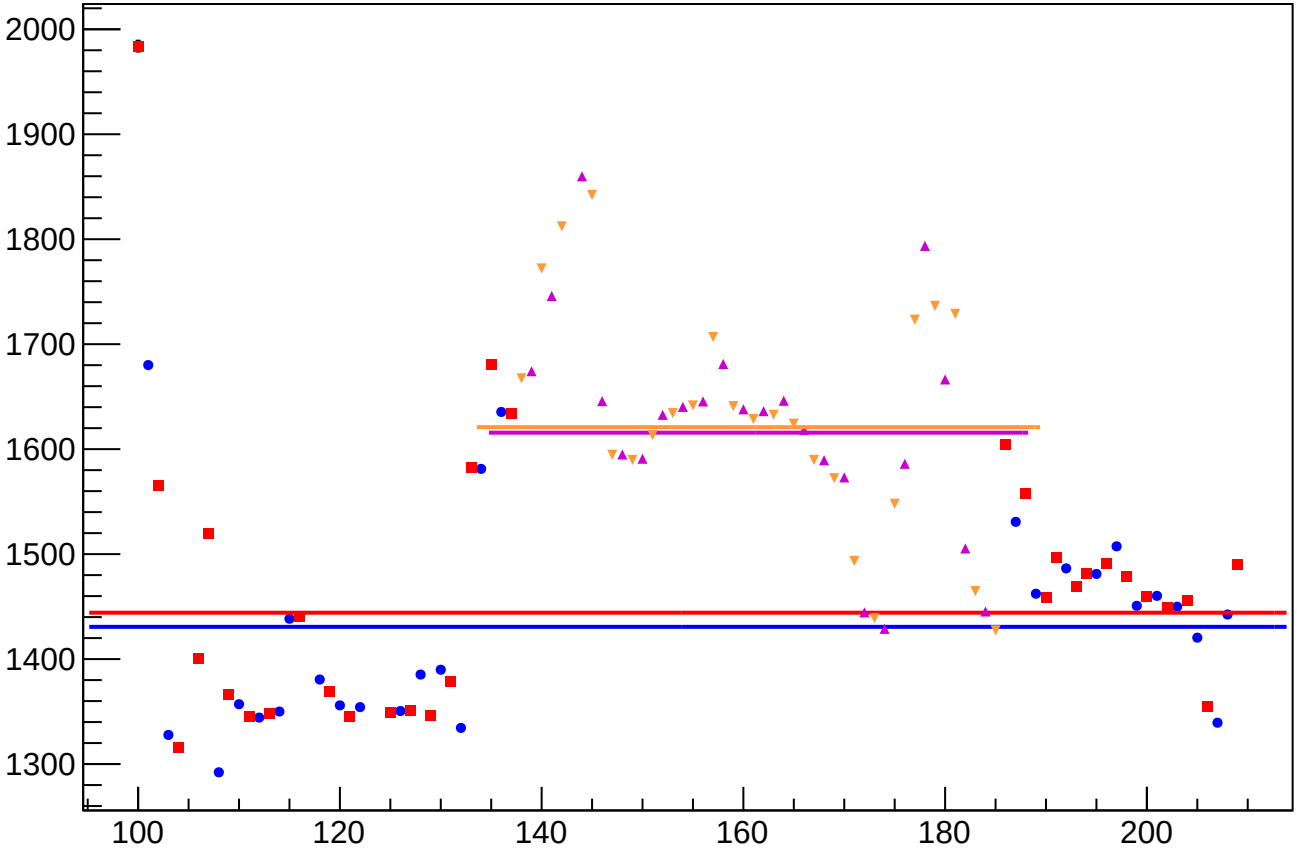
Right: 2229.174+/-251.555 χ^2/NDF: 28.3/57

In: 2241.025+/-260.922 χ^2/NDF:26.9/49

Out: 1638.086+/-257.020 χ^2/NDF:67.0/54

All: 1935.013+/-183.105 χ^2/NDF: 96.6/104

eigen_dit_asym_usl_atl2_avg_rms vs Slug, Sign Corrected



Right In: 1430.709+/-0.255 χ^2/NDF: 122985.9/26

Left Out: 1620.946+/-0.267 χ^2/NDF:141990.3/23

Right Out: 1444.187+/-0.248 χ^2/NDF: 131131.9/30

Left In: 1615.706+/-0.267 χ^2/NDF:137144.0/22

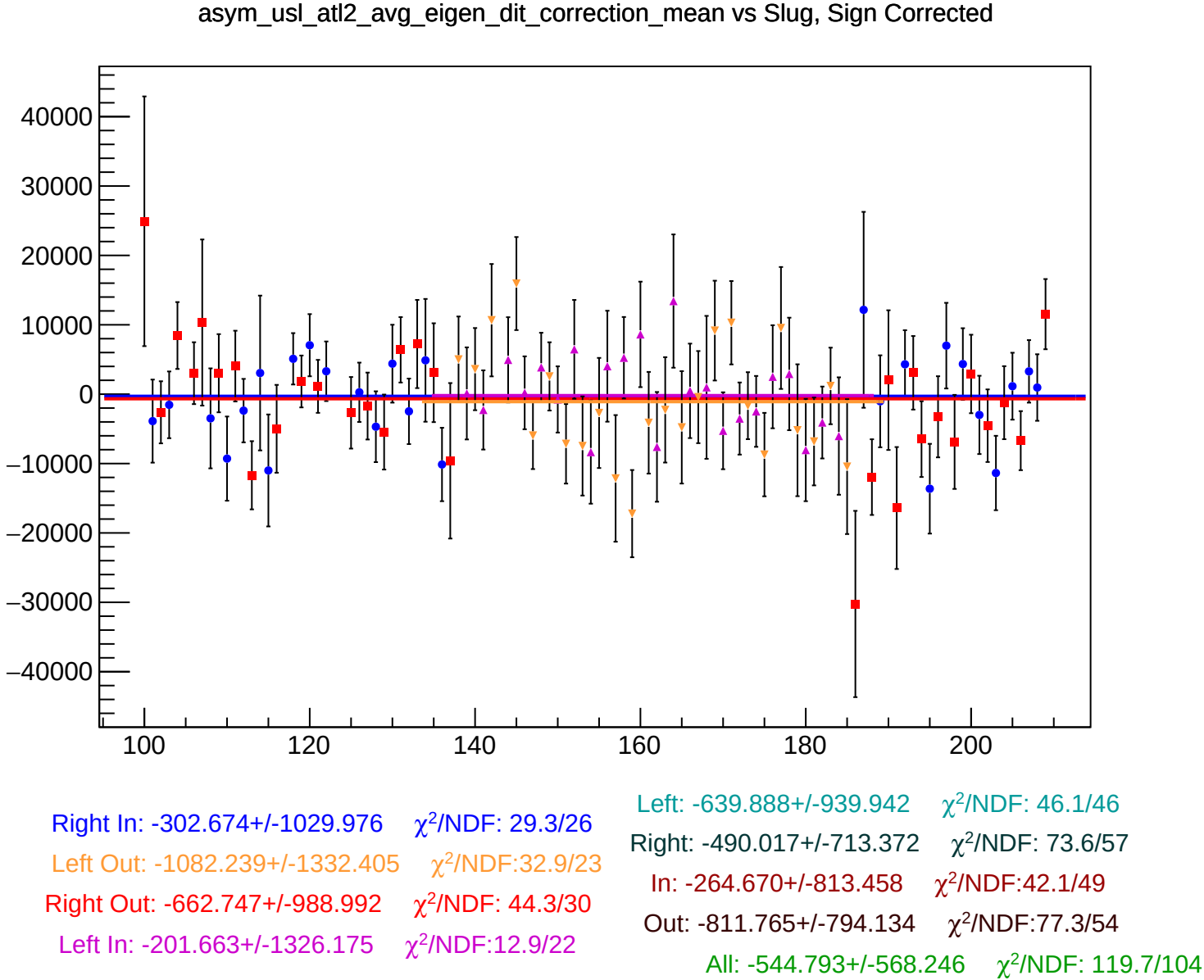
Left: 1618.333+/-0.189 χ^2/NDF: 279326.8/46

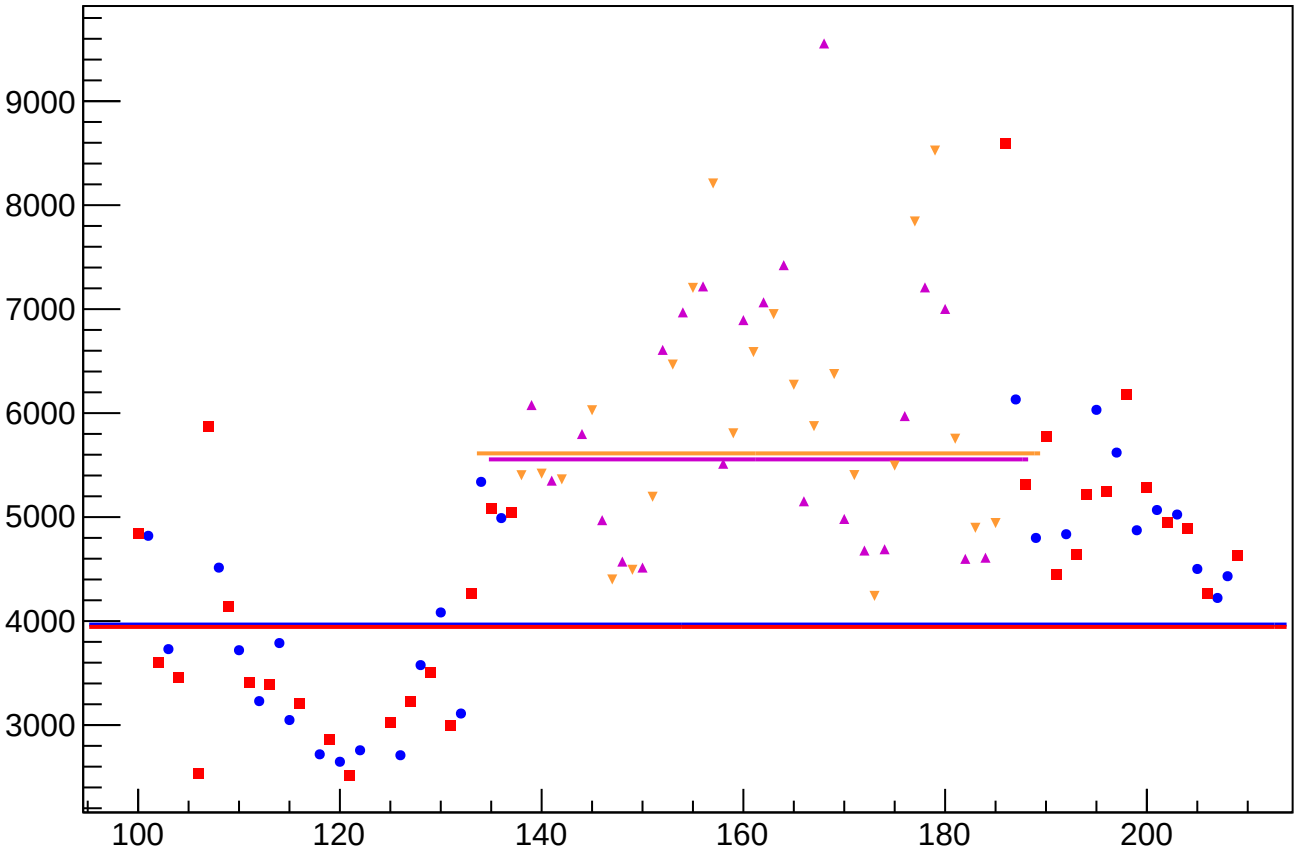
Right: 1437.633+/-0.178 χ^2/NDF: 255553.9/57

In: 1518.802+/-0.184 χ^2/NDF:510909.3/49

Out: 1526.160+/-0.182 χ^2/NDF:508659.6/54

All: 1522.539+/-0.129 χ^2/NDF: 1020376.7/10


asym_usl_atl2_avg_eigen_dit_correction_mean vs Slug, Sign Corrected
40000
30000
20000
10000
0
−10000
−20000
−30000
−40000
100
120
140
160
180
200
Right In: -302.674+/-1029.976 χ²/NDF: 29.3/26
Left Out: -1082.239+/-1332.405 χ²/NDF:32.9/23
Right Out: -662.747+/-988.992 χ²/NDF: 44.3/30
Left In: -201.663+/-1326.175 χ²/NDF:12.9/22
Left: -639.888+/-939.942 χ²/NDF: 46.1/46
Right: -490.017+/-713.372 χ²/NDF: 73.6/57
In: -264.670+/-813.458 χ²/NDF:42.1/49
Out: -811.765+/-794.134 χ²/NDF:77.3/54
All: -544.793+/-568.246 χ²/NDF: 119.7/104



Right In: 3966.474+/-0.728 χ^2/NDF: 1825998.9/26

Left Out: 5612.739+/-0.942 χ^2/NDF:1188118.8/23

Right Out: 3943.952+/-0.699 χ^2/NDF: 2285941.2/30

Left In: 5554.935+/-0.938 χ^2/NDF:1332972.0/22

Left: 5583.702+/-0.665 χ^2/NDF: 2522981.7/46

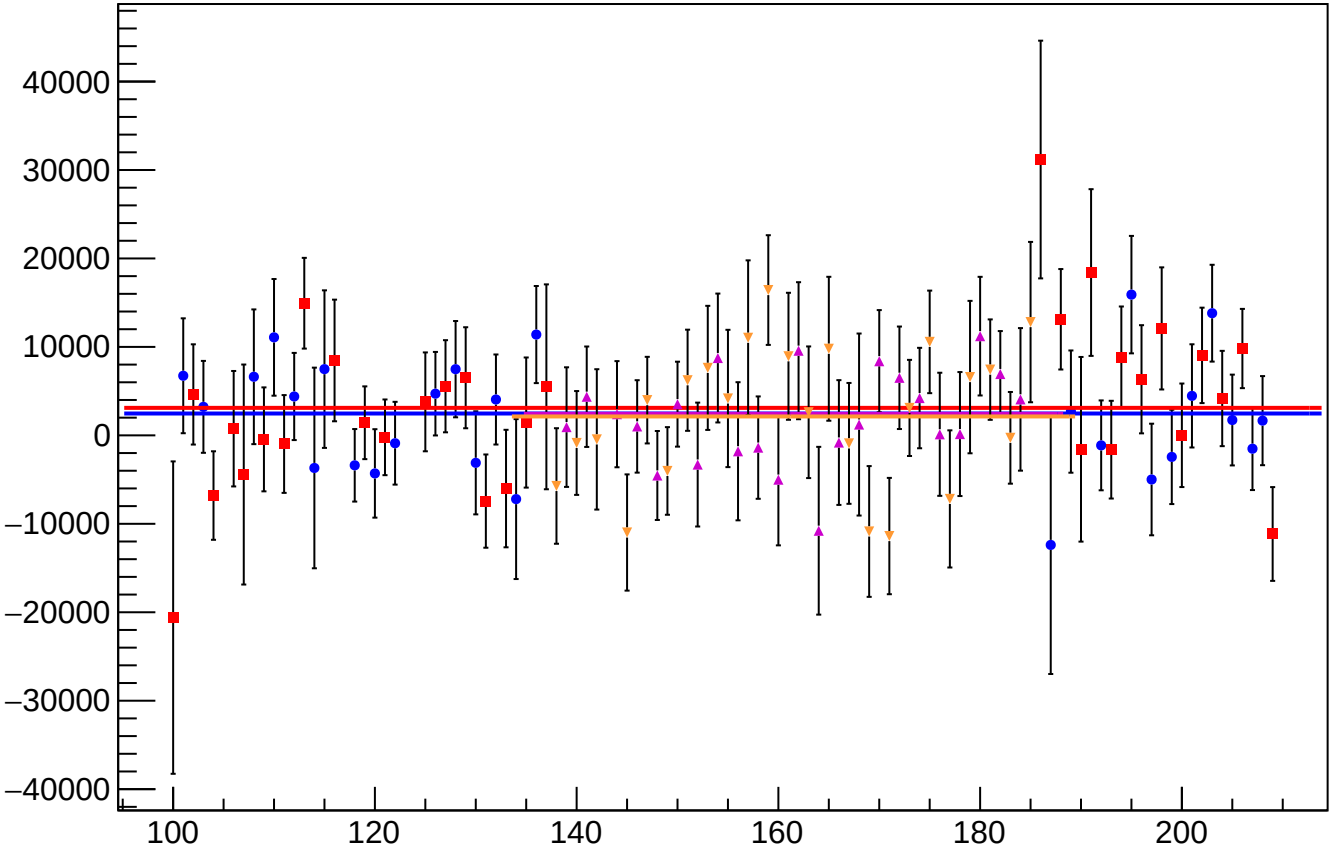
Right: 3954.756+/-0.504 χ^2/NDF: 4112437.7/57

In: 4564.121+/-0.575 χ^2/NDF:4948739.3/49

Out: 4536.762+/-0.562 χ^2/NDF:5496898.8/54

All: 4550.113+/-0.402 χ^2/NDF: 10446796.4/

asym_usl_atl2_avg_mean vs Slug, Sign Corrected



Right In: 2470.290+/-1095.613 χ^2/NDF: 26.6/26

Left Out: 2138.140+/-1324.387 χ^2/NDF:30.7/23

Right Out: 3108.950+/-1069.381 χ^2/NDF: 45.5/30

Left In: 2428.059+/-1321.080 χ^2/NDF:12.9/22

Left: 2283.462+/-935.312 χ^2/NDF: 43.6/46

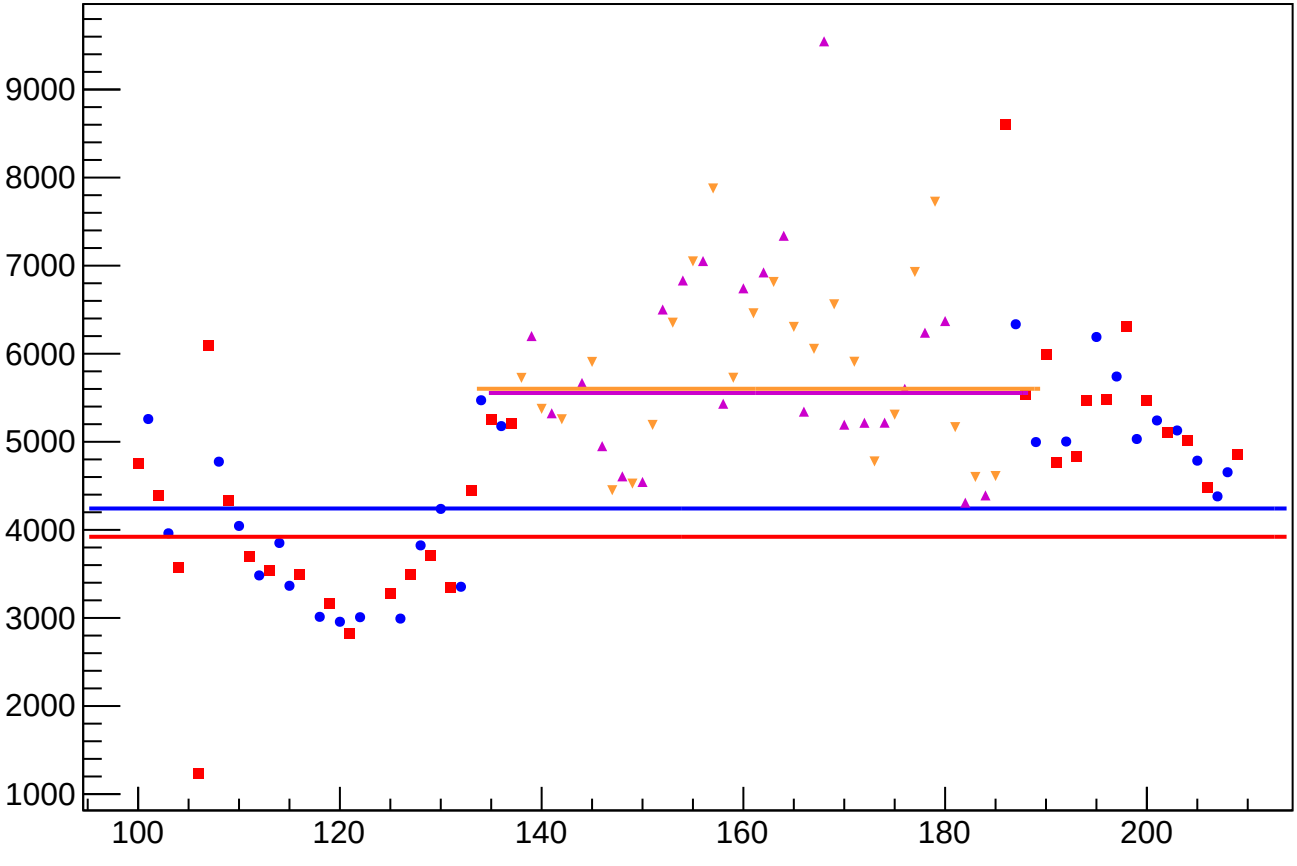
Right: 2797.358+/-765.272 χ^2/NDF: 72.2/57

In: 2453.081+/-843.331 χ^2/NDF:39.4/49

Out: 2725.804+/-832.012 χ^2/NDF:76.5/54

All: 2591.285+/-592.283 χ^2/NDF: 116.0/104

asym_usl_atl2_avg_rms vs Slug, Sign Corrected



Right In: 4242.819+/-0.775 χ^2/NDF: 1482266.4/26

Left Out: 5602.266+/-0.936 χ^2/NDF:940451.0/23

Right Out: 3921.580+/-0.716 χ^2/NDF: 3761726.3/30

Left In: 5554.054+/-0.934 χ^2/NDF:1112177.4/22

Left: 5578.100+/-0.661 χ^2/NDF: 2053956.9/46

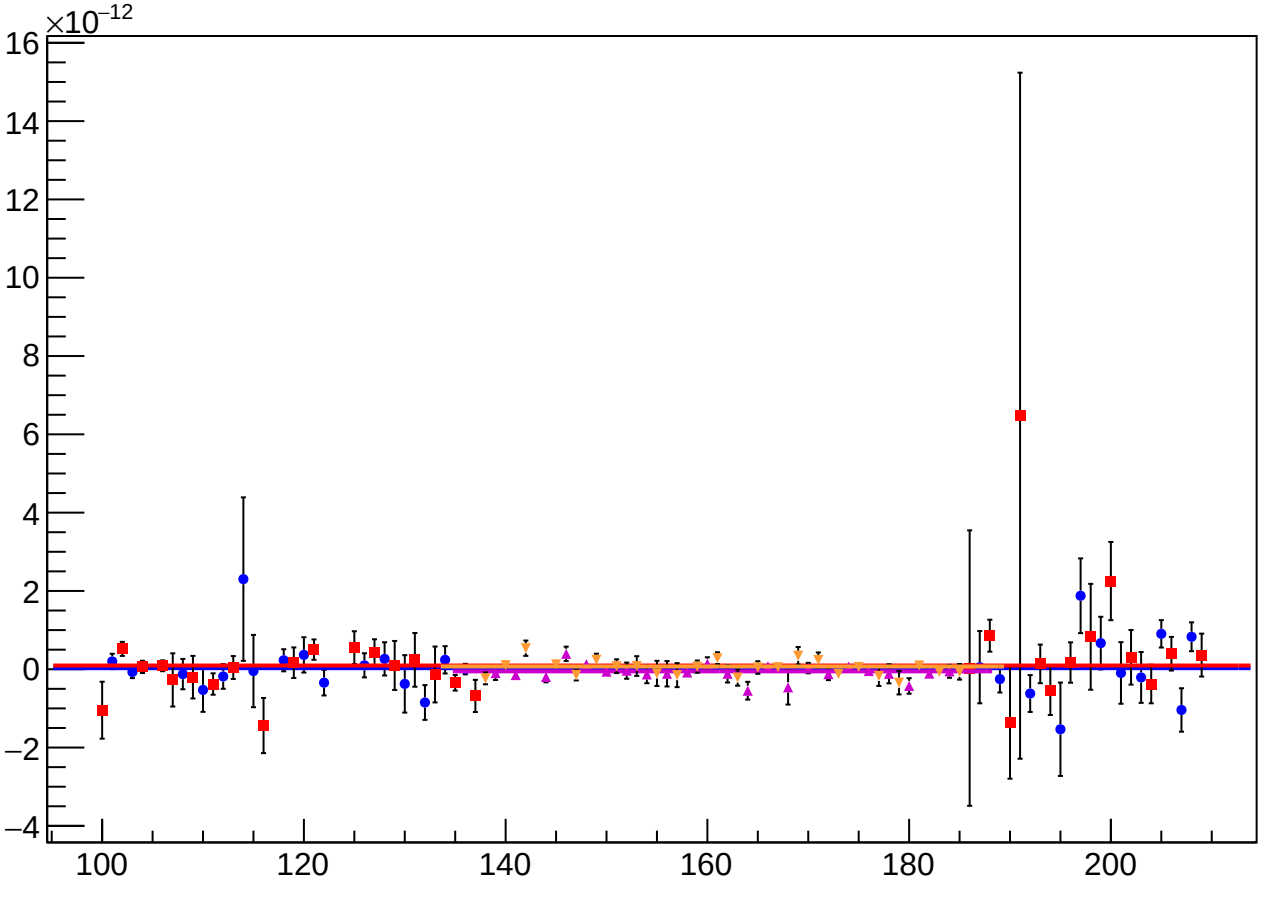
Right: 4069.600+/-0.526 χ^2/NDF: 5336705.2/57

In: 4777.159+/-0.596 χ^2/NDF:3761832.1/49

Out: 4541.765+/-0.569 χ^2/NDF:6734523.5/54

All: 4653.920+/-0.412 χ^2/NDF: 10577934.7/1

asym_usl_atl2_avg_reg_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 35.1/26

Left Out: 0.000+/-0.000 χ^2/NDF:28.3/23

Right Out: 0.000+/-0.000 χ^2/NDF: 42.4/30

Left In: -0.000+/-0.000 χ^2/NDF:25.4/22

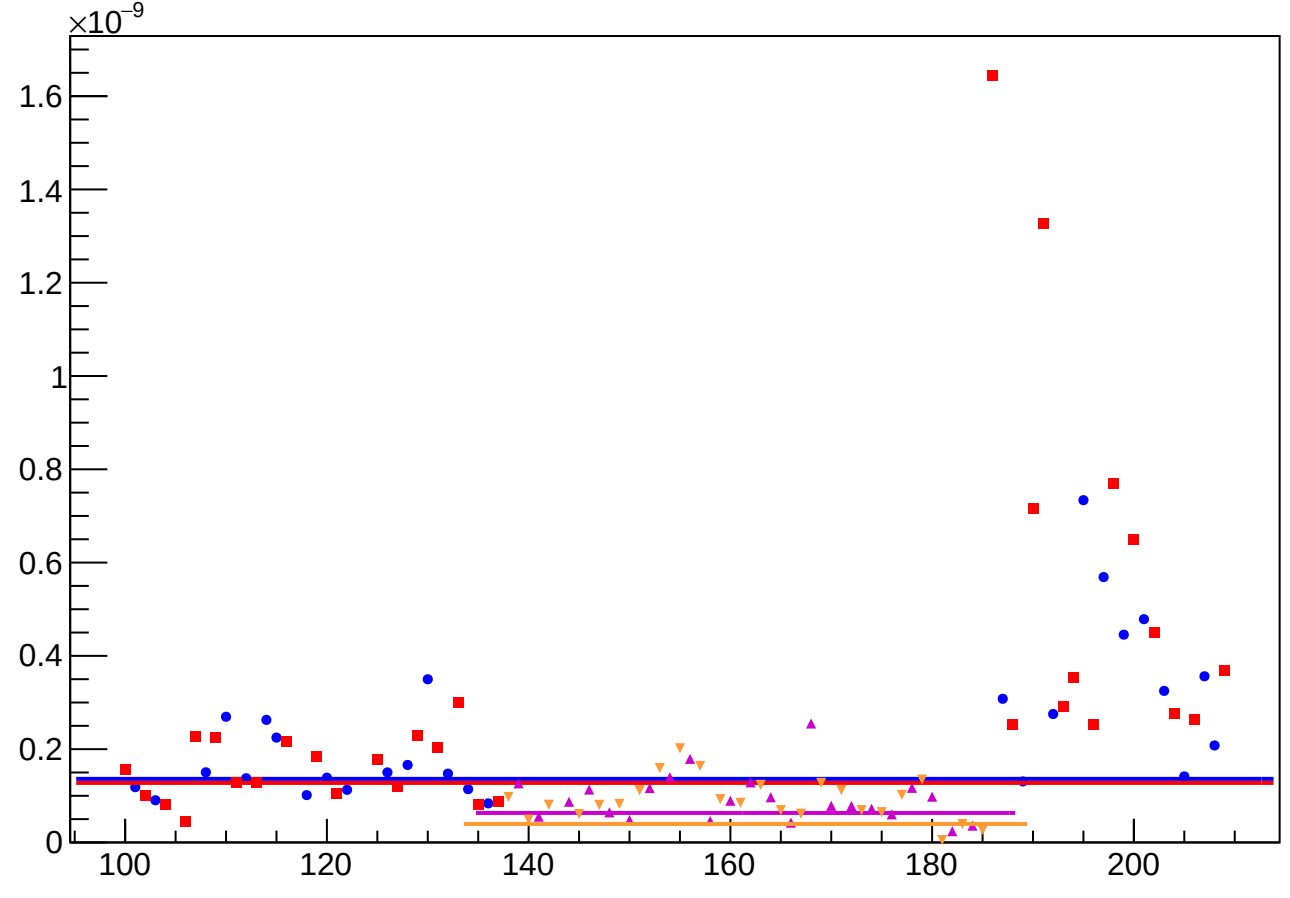
Left: 0.000+/-0.000 χ^2/NDF: 65.8/46

Right: 0.000+/-0.000 χ^2/NDF: 78.1/57

In: -0.000+/-0.000 χ^2/NDF:61.8/49

Out: 0.000+/-0.000 χ^2/NDF:70.9/54

All: 0.000+/-0.000 χ^2/NDF: 144.6/104



Right In: 0.000+/-0.000 χ^2/NDF: 3387356.6/26

Left Out: 0.000+/-0.000 χ^2/NDF:6954816.0/23

Right Out: 0.000+/-0.000 χ^2/NDF: 5202100.1/30

Left In: 0.000+/-0.000 χ^2/NDF:2922990.6/22

Left: 0.000+/-0.000 χ^2/NDF: 10753766.3/46

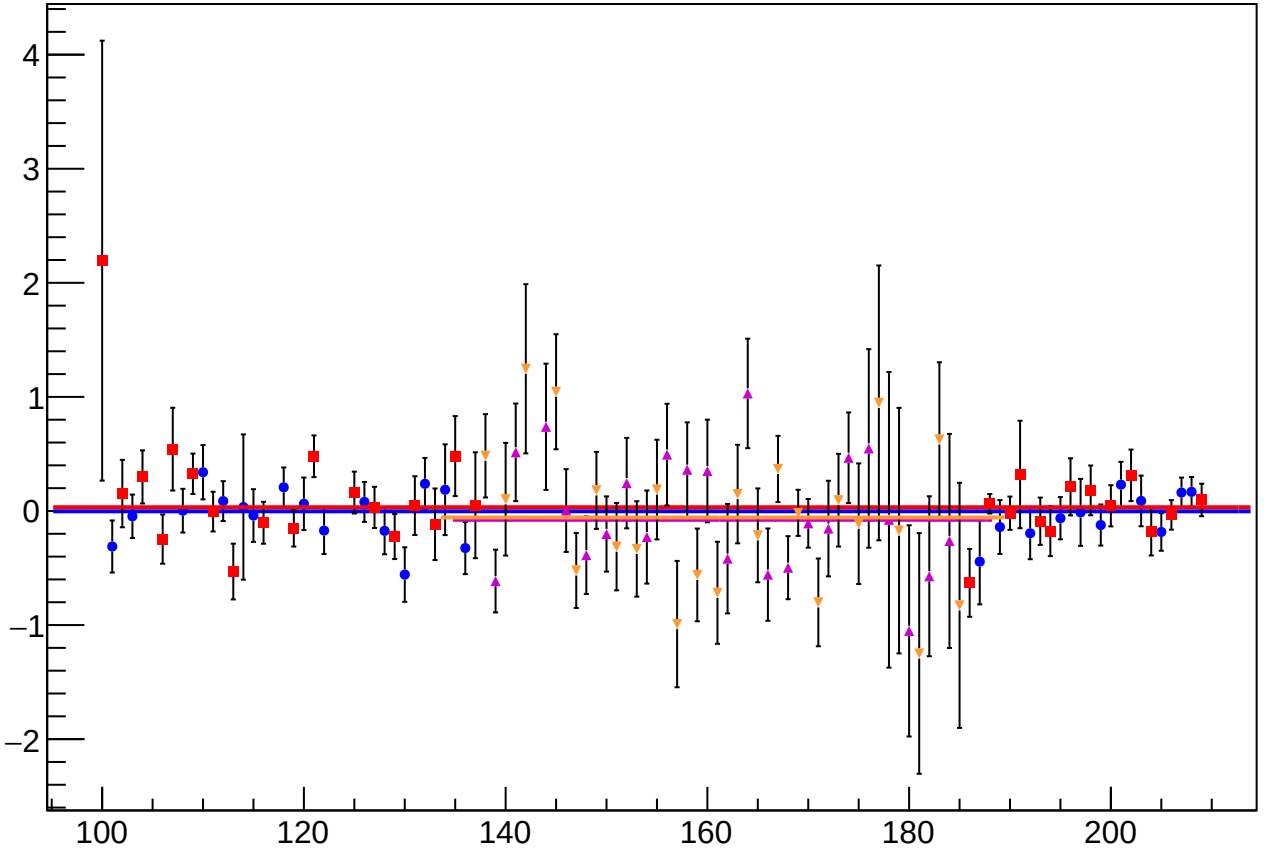
Right: 0.000+/-0.000 χ^2/NDF: 8608860.4/57

In: 0.000+/-0.000 χ^2/NDF:8488470.9/49

Out: 0.000+/-0.000 χ^2/NDF:15791134.2/54

All: 0.000+/-0.000 χ^2/NDF: 25446220.6/104

asym_usl_atl2_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.003+/-0.039 χ^2/NDF: 25.1/26

Left Out: -0.057+/-0.085 χ^2/NDF:30.4/23

Right Out: 0.033+/-0.035 χ^2/NDF: 37.2/30

Left In: -0.077+/-0.083 χ^2/NDF:27.0/22

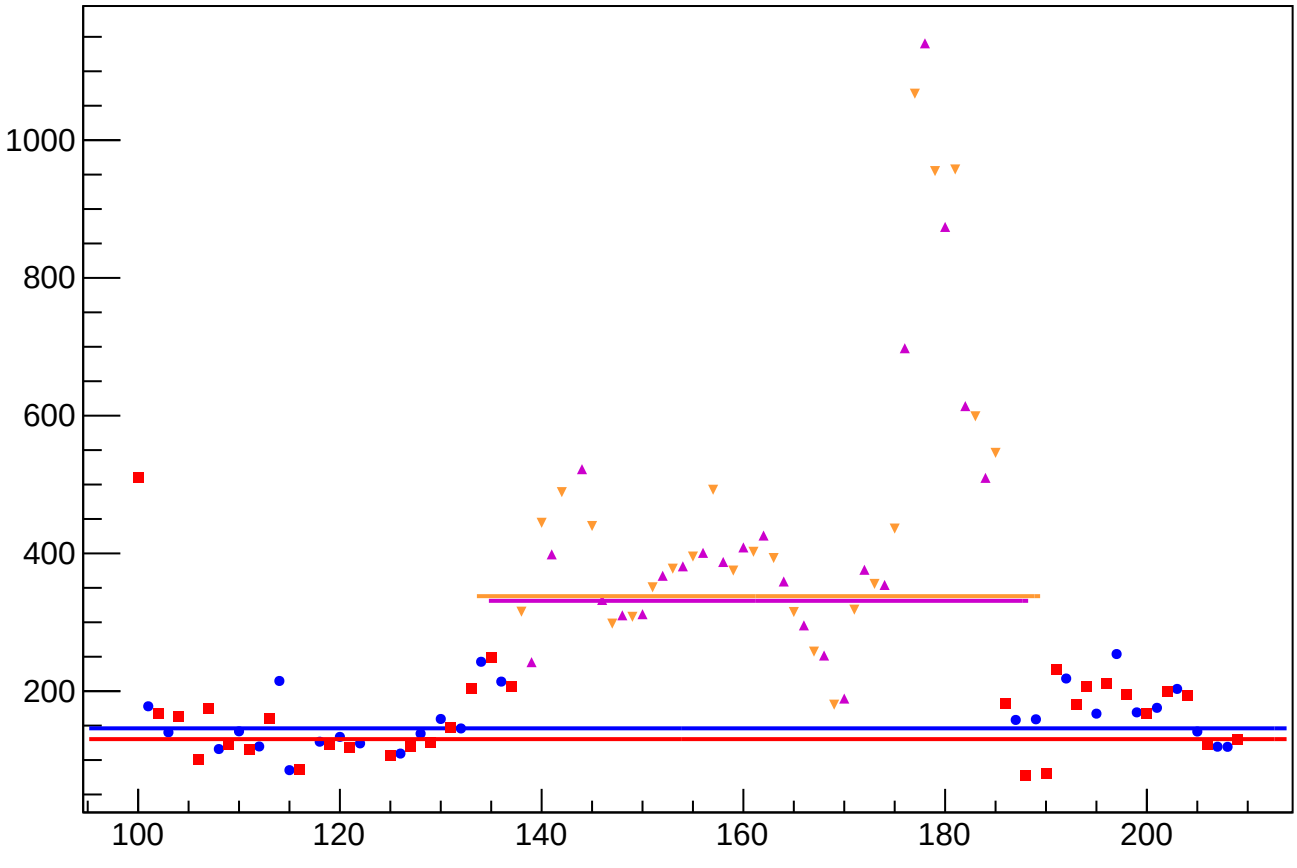
Left: -0.067+/-0.060 χ^2/NDF: 57.4/46

Right: 0.017+/-0.026 χ^2/NDF: 62.8/57

In: -0.016+/-0.035 χ^2/NDF:52.8/49

Out: 0.020+/-0.032 χ^2/NDF:68.5/54

All: 0.004+/-0.024 χ^2/NDF: 121.9/104



Right In: 146.037+/-0.028 χ^2/NDF: 1629441.5/26

Left Out: 337.937+/-0.060 χ^2/NDF:4517129.8/23

Right Out: 130.374+/-0.025 χ^2/NDF: 3206749.5/30

Left In: 331.158+/-0.059 χ^2/NDF:4106959.8/22

Left: 334.465+/-0.042 χ^2/NDF: 8630534.0/46

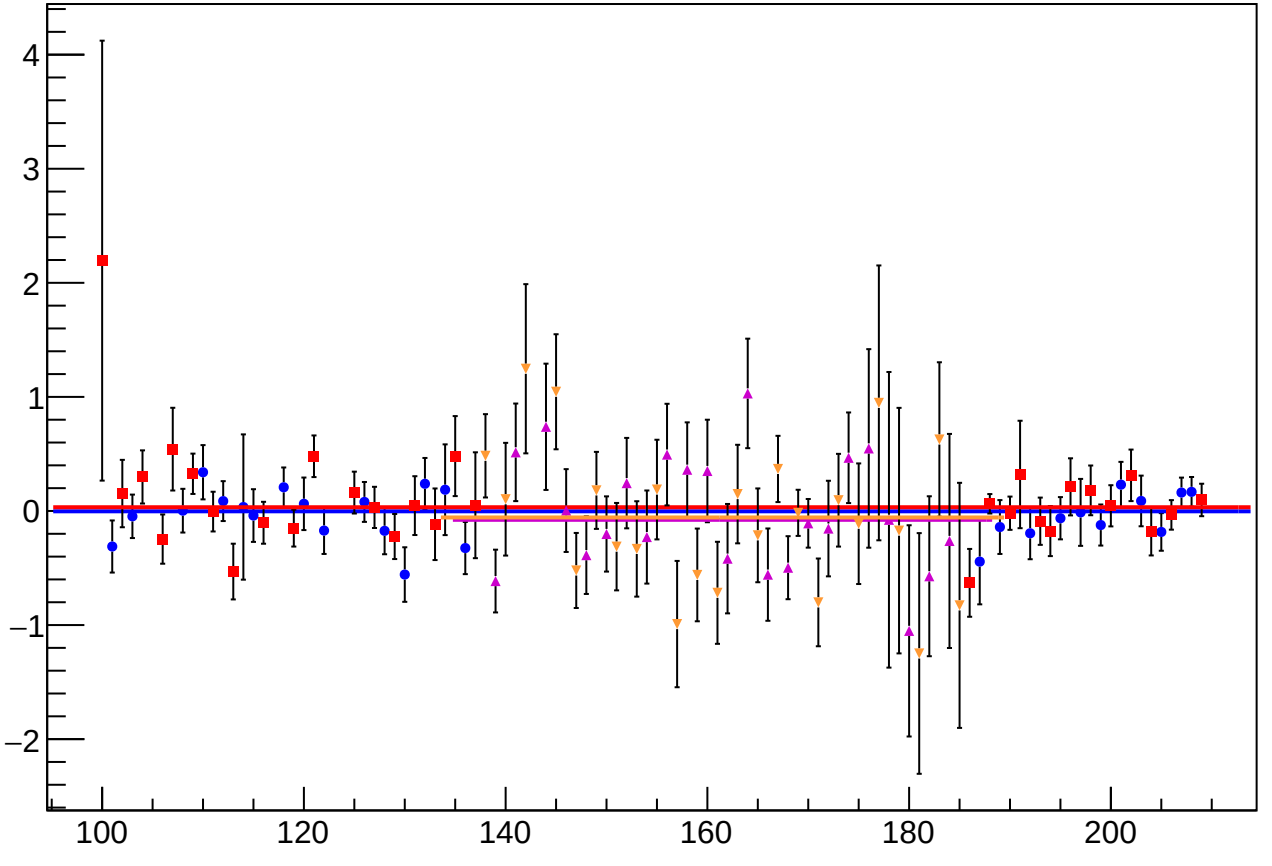
Right: 137.303+/-0.018 χ^2/NDF: 5015555.9/57

In: 179.322+/-0.025 χ^2/NDF:13815898.2/49

Out: 159.877+/-0.023 χ^2/NDF:17844781.1/54

All: 168.695+/-0.017 χ^2/NDF: 31991035.9/10

asym_usl_atl2_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.003+/-0.039 χ^2/NDF: 25.1/26

Left Out: -0.057+/-0.085 χ^2/NDF:30.4/23

Right Out: 0.033+/-0.035 χ^2/NDF: 37.2/30

Left In: -0.077+/-0.083 χ^2/NDF:27.0/22

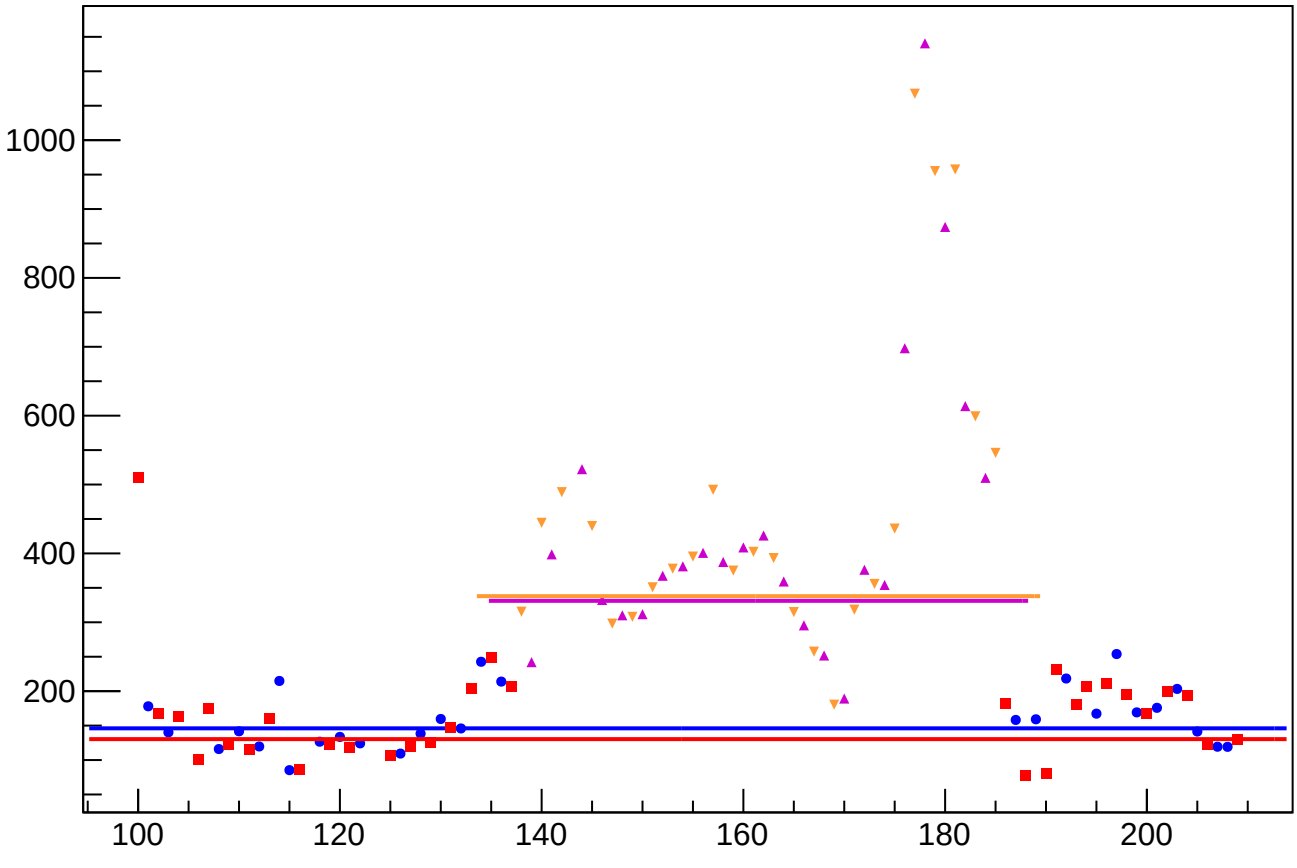
Left: -0.067+/-0.060 χ^2/NDF: 57.4/46

Right: 0.017+/-0.026 χ^2/NDF: 62.8/57

In: -0.016+/-0.035 χ^2/NDF:52.8/49

Out: 0.020+/-0.032 χ^2/NDF:68.5/54

All: 0.004+/-0.024 χ^2/NDF: 121.9/104



Right In: 146.037+/-0.028 χ^2/NDF: 1629441.5/26

Left Out: 337.937+/-0.060 χ^2/NDF:4517129.8/23

Right Out: 130.374+/-0.025 χ^2/NDF: 3206749.5/30

Left In: 331.158+/-0.059 χ^2/NDF:4106959.8/22

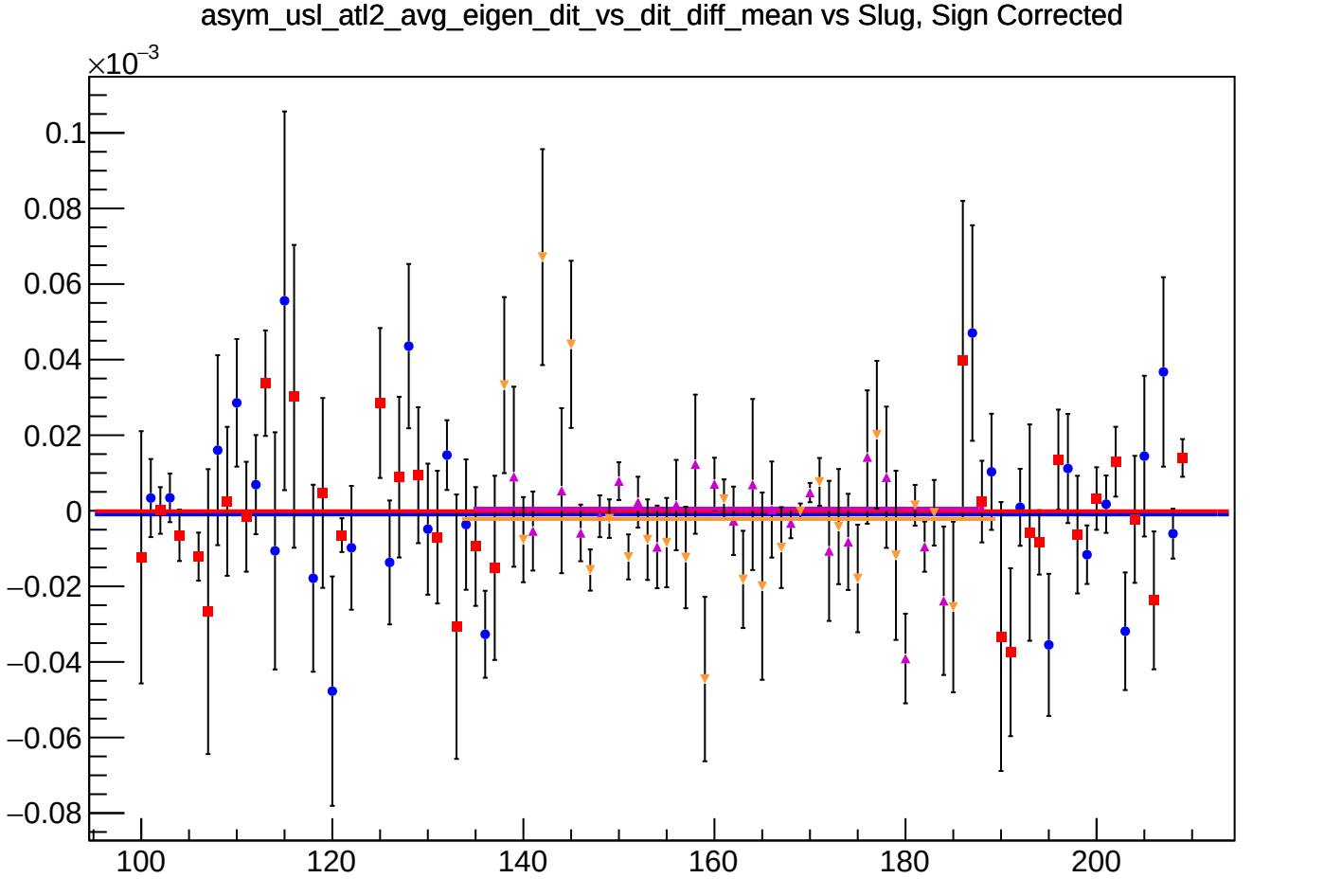
Left: 334.465+/-0.042 χ^2/NDF: 8630534.0/46

Right: 137.303+/-0.018 χ^2/NDF: 5015555.9/57

In: 179.322+/-0.025 χ^2/NDF:13815898.2/49

Out: 159.877+/-0.023 χ^2/NDF:17844781.1/54

All: 168.695+/-0.017 χ^2/NDF: 31991035.9/10



Right In: -0.000+/-0.000 χ^2/NDF: 41.2/26

Left Out: -0.000+/-0.000 χ^2/NDF:37.9/23

Right Out: -0.000+/-0.000 χ^2/NDF: 36.5/30

Left In: 0.000+/-0.000 χ^2/NDF:26.2/22

Left: -0.000+/-0.000 χ^2/NDF: 65.9/46

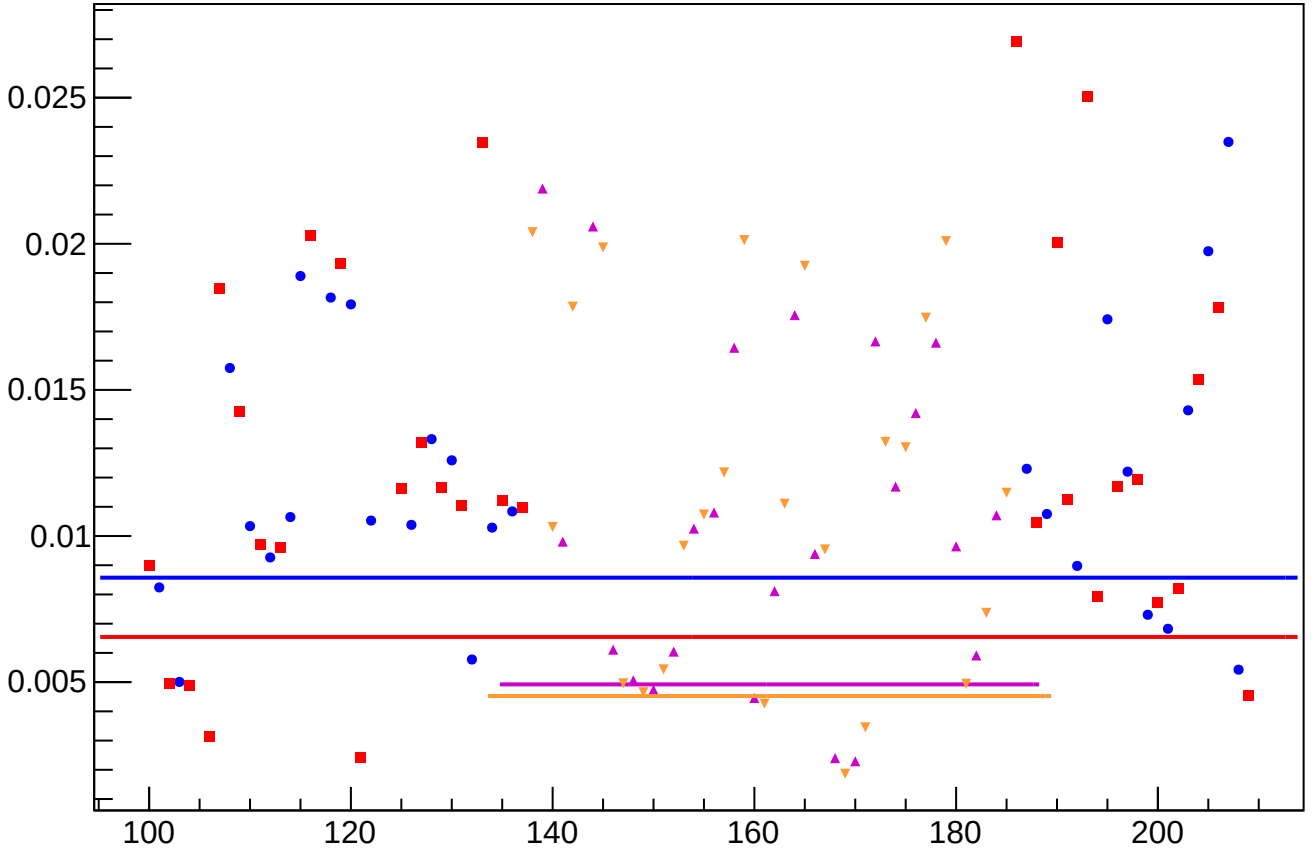
Right: -0.000+/-0.000 χ^2/NDF: 77.8/57

In: 0.000+/-0.000 χ^2/NDF:67.7/49

Out: -0.000+/-0.000 χ^2/NDF:75.2/54

All: -0.000+/-0.000 χ^2/NDF: 143.8/104

asym_usl_atl2_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.009+/-0.000 χ^2/NDF: 4718557.0/26

Left Out: 0.005+/-0.000 χ^2/NDF:14239550.6/23

Right Out: 0.007+/-0.000 χ^2/NDF: 9596714.9/30

Left In: 0.005+/-0.000 χ^2/NDF:11626984.8/22

Left: 0.005+/-0.000 χ^2/NDF: 25942497.2/46

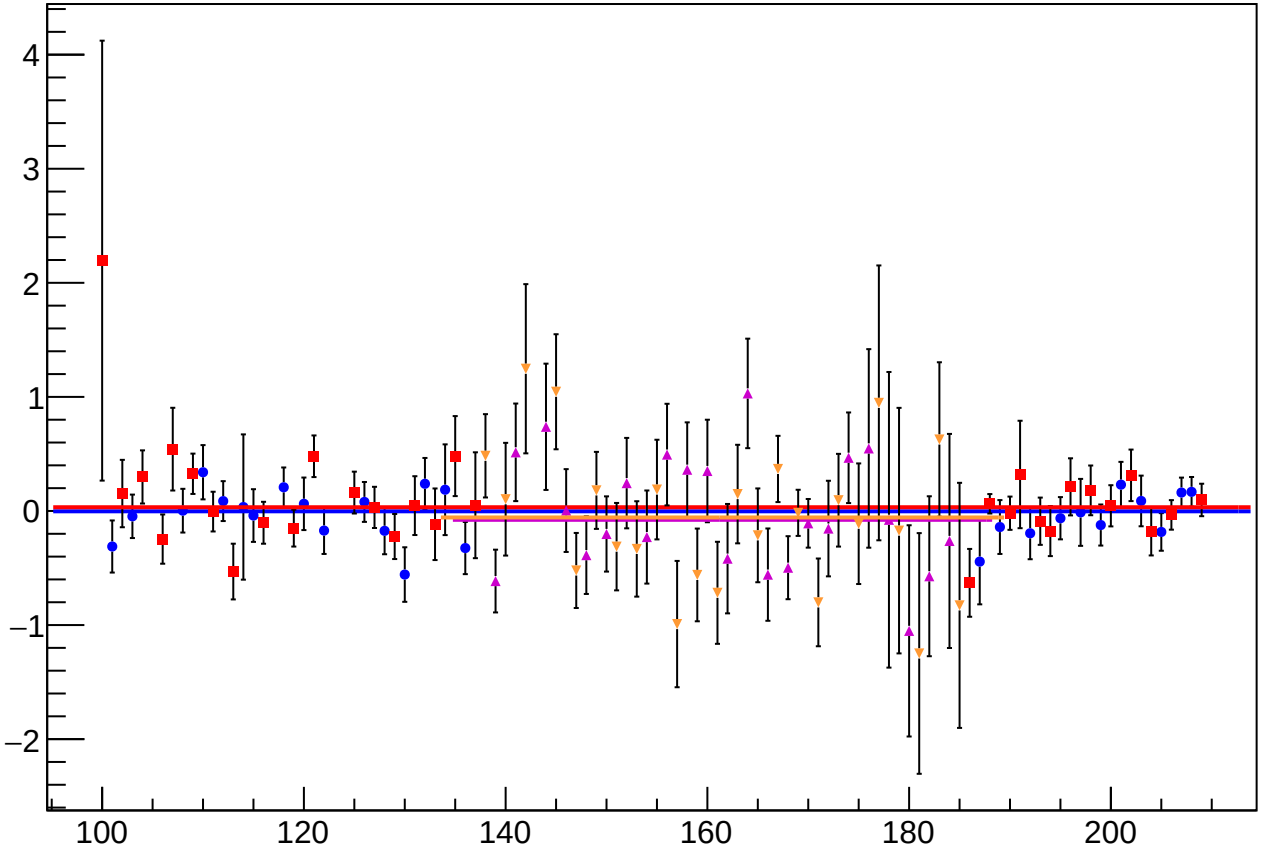
Right: 0.007+/-0.000 χ^2/NDF: 15175049.0/57

In: 0.006+/-0.000 χ^2/NDF:19657961.0/49

Out: 0.005+/-0.000 χ^2/NDF:25267484.8/54

All: 0.006+/-0.000 χ^2/NDF: 45278488.1/104

asym_usl_atl2_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.003+/-0.039 χ^2/NDF: 25.1/26

Left Out: -0.057+/-0.085 χ^2/NDF:30.4/23

Right Out: 0.033+/-0.035 χ^2/NDF: 37.2/30

Left In: -0.077+/-0.083 χ^2/NDF:27.0/22

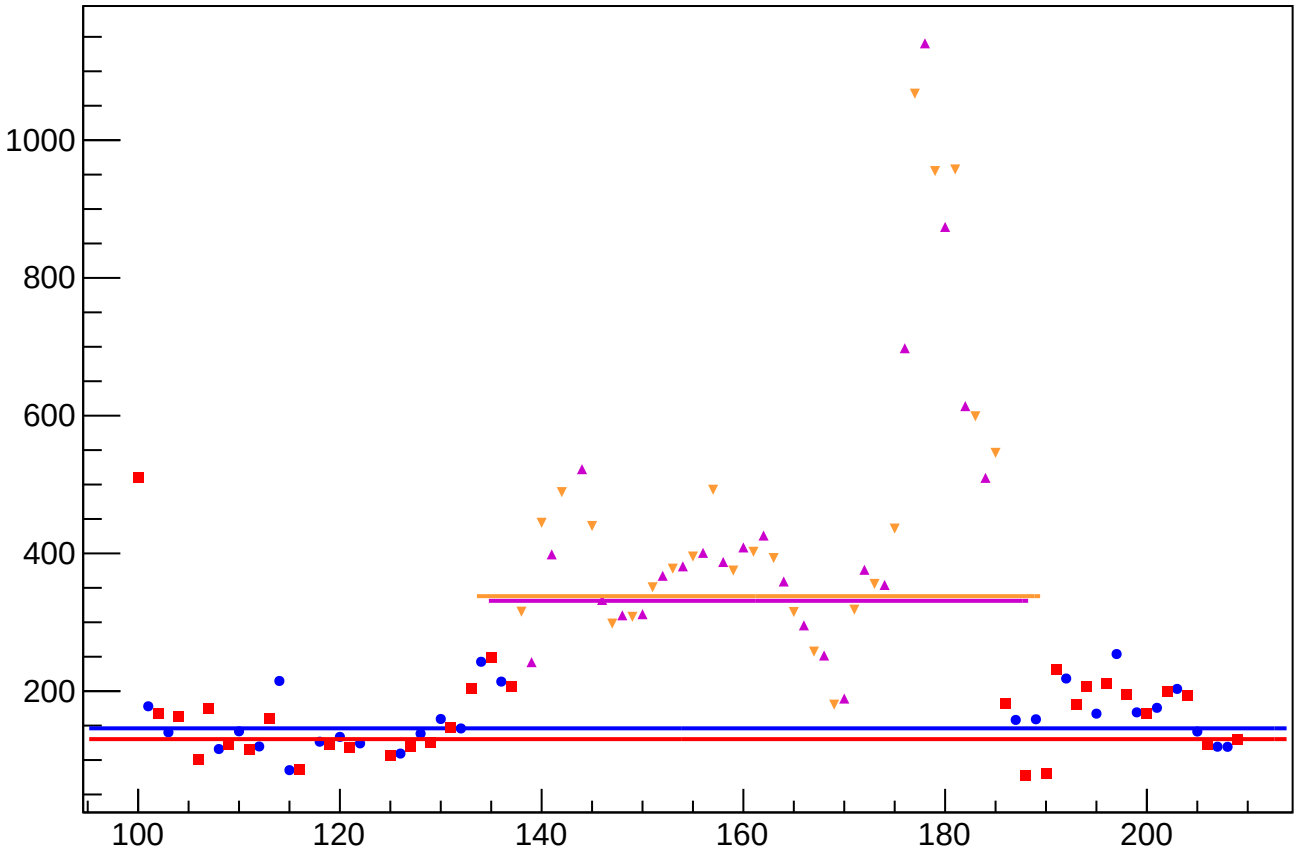
Left: -0.067+/-0.060 χ^2/NDF: 57.4/46

Right: 0.017+/-0.026 χ^2/NDF: 62.8/57

In: -0.016+/-0.035 χ^2/NDF:52.8/49

Out: 0.020+/-0.032 χ^2/NDF:68.5/54

All: 0.004+/-0.024 χ^2/NDF: 121.9/104



Right In: 146.037+/-0.028 χ^2/NDF: 1629419.8/26

Left Out: 337.939+/-0.060 χ^2/NDF:4517201.8/23

Right Out: 130.373+/-0.025 χ^2/NDF: 3206925.9/30

Left In: 331.161+/-0.059 χ^2/NDF:4106963.1/22

Left: 334.468+/-0.042 χ^2/NDF: 8630607.3/46

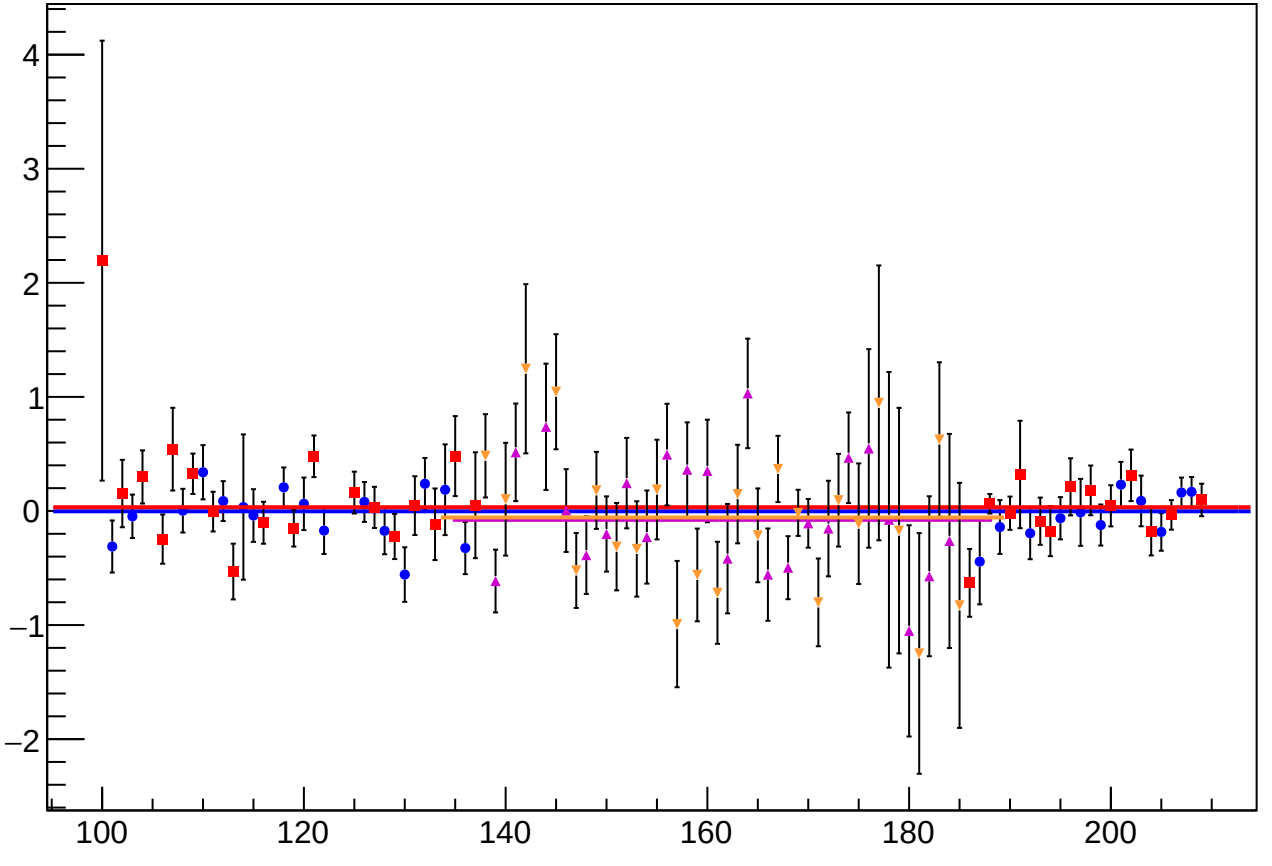
Right: 137.303+/-0.018 χ^2/NDF: 5015749.2/57

In: 179.323+/-0.025 χ^2/NDF:13815968.1/49

Out: 159.876+/-0.023 χ^2/NDF:17845238.0/54

All: 168.695+/-0.017 χ^2/NDF: 31991627.4/10

asym_usl_atl2_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.003+/-0.039 χ^2/NDF: 25.1/26

Left Out: -0.057+/-0.085 χ^2/NDF:30.4/23

Right Out: 0.033+/-0.035 χ^2/NDF: 37.2/30

Left In: -0.077+/-0.083 χ^2/NDF:27.0/22

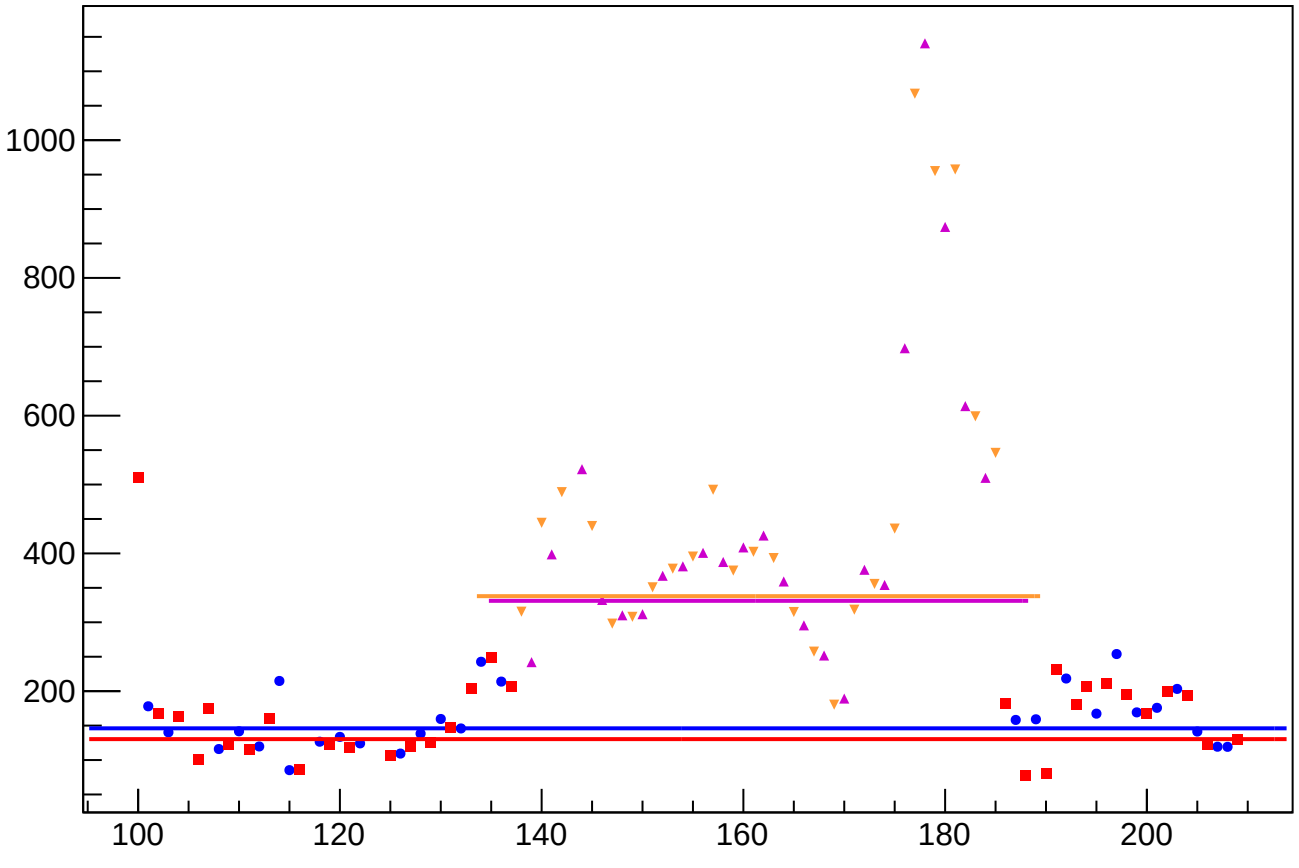
Left: -0.067+/-0.060 χ^2/NDF: 57.4/46

Right: 0.017+/-0.026 χ^2/NDF: 62.8/57

In: -0.016+/-0.035 χ^2/NDF:52.8/49

Out: 0.020+/-0.032 χ^2/NDF:68.5/54

All: 0.004+/-0.024 χ^2/NDF: 121.9/104



Right In: 146.037+/-0.028 χ^2/NDF: 1629419.8/26

Left Out: 337.939+/-0.060 χ^2/NDF:4517201.8/23

Right Out: 130.373+/-0.025 χ^2/NDF: 3206925.9/30

Left In: 331.161+/-0.059 χ^2/NDF:4106963.1/22

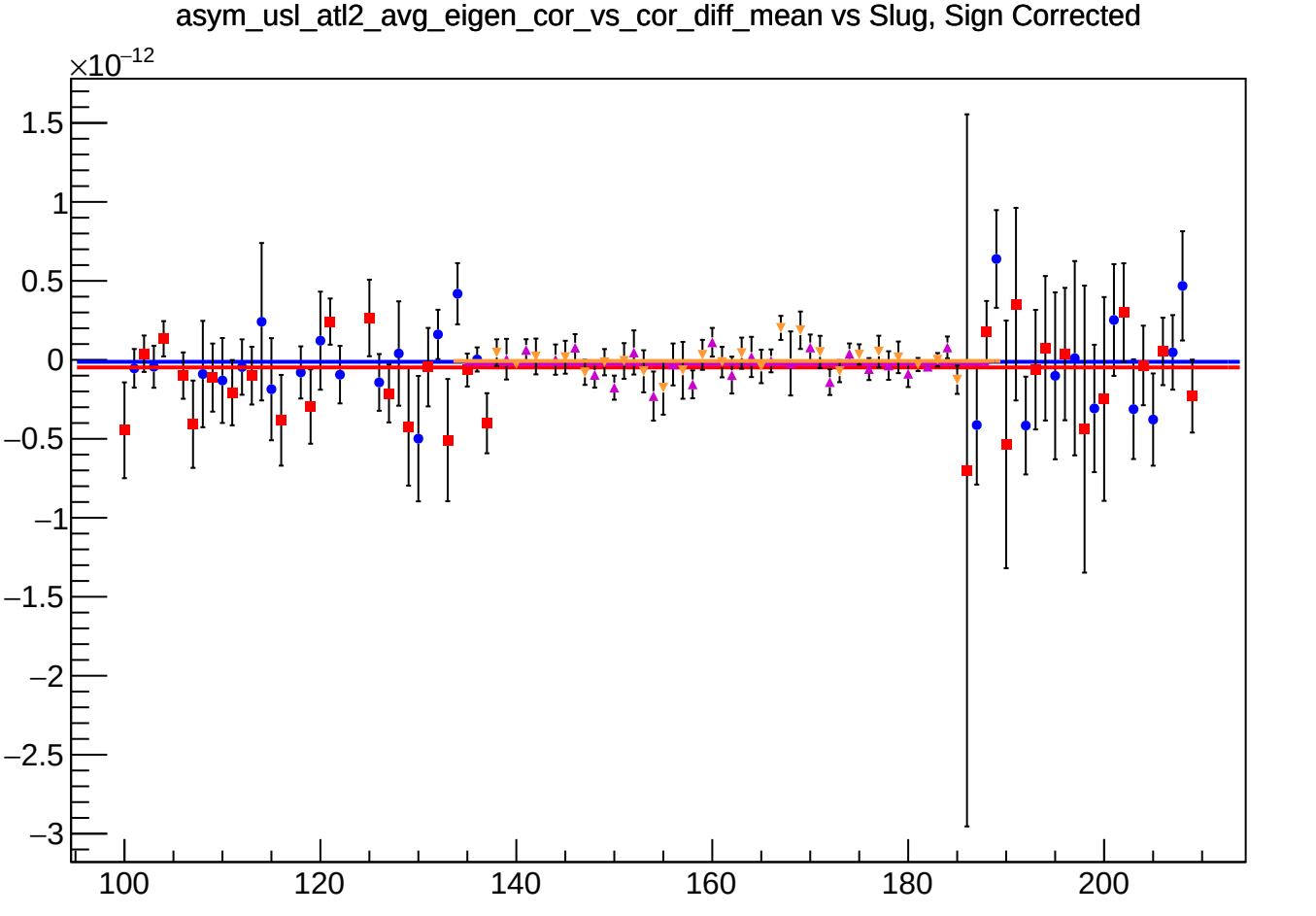
Left: 334.468+/-0.042 χ^2/NDF: 8630607.3/46

Right: 137.303+/-0.018 χ^2/NDF: 5015749.2/57

In: 179.323+/-0.025 χ^2/NDF:13815968.1/49

Out: 159.876+/-0.023 χ^2/NDF:17845238.0/54

All: 168.695+/-0.017 χ^2/NDF: 31991627.4/10



Right In: -0.000+/-0.000 χ^2/NDF: 22.7/26

Left Out: -0.000+/-0.000 χ^2/NDF:18.1/23

Right Out: -0.000+/-0.000 χ^2/NDF: 27.0/30

Left In: -0.000+/-0.000 χ^2/NDF:22.8/22

Left: -0.000+/-0.000 χ^2/NDF: 41.7/46

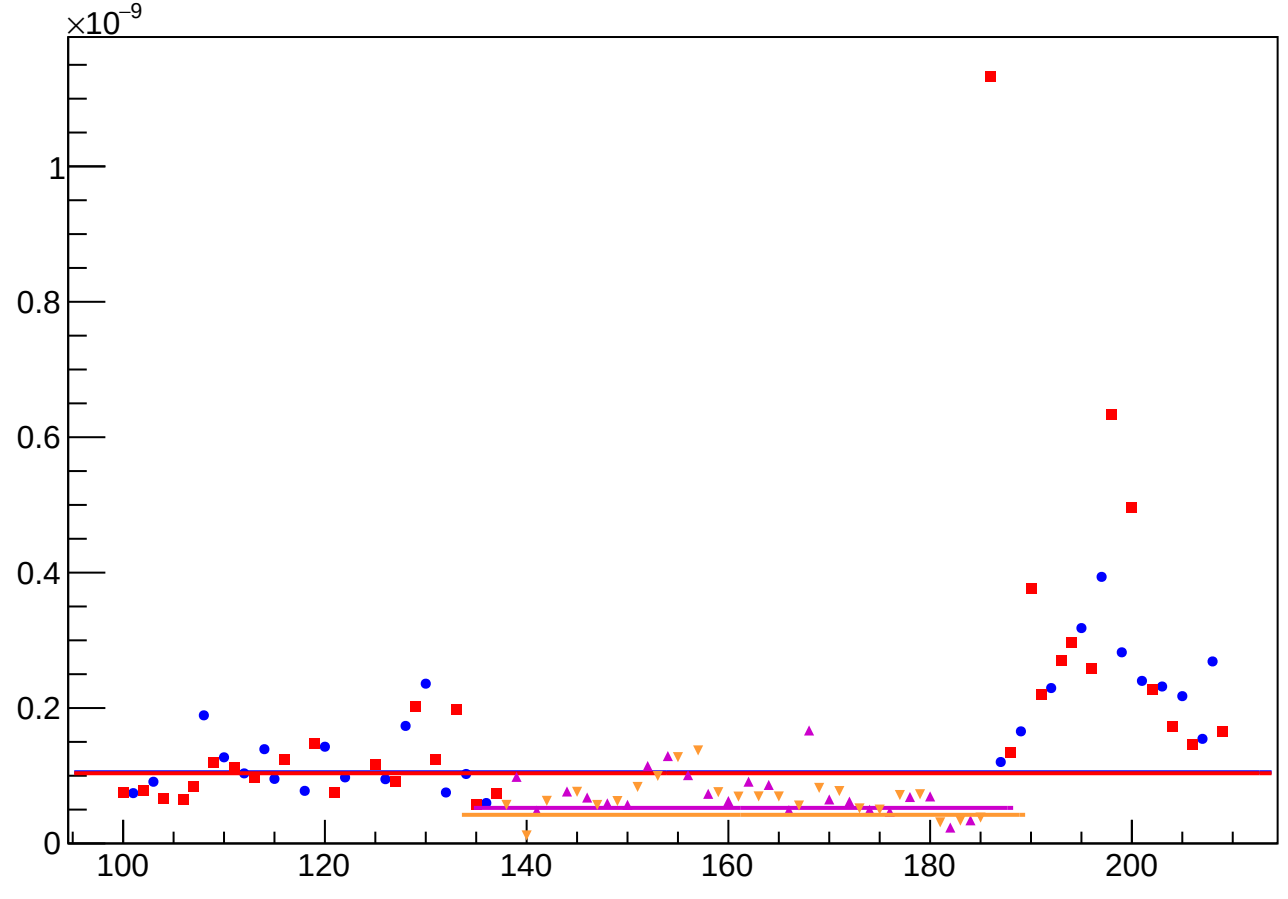
Right: -0.000+/-0.000 χ^2/NDF: 50.1/57

In: -0.000+/-0.000 χ^2/NDF:45.6/49

Out: -0.000+/-0.000 χ^2/NDF:46.1/54

All: -0.000+/-0.000 χ^2/NDF: 92.1/104

asym_usl_atl2_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 4473539.9/26

Left Out: 0.000+/-0.000 χ^2/NDF:6680117.5/23

Right Out: 0.000+/-0.000 χ^2/NDF: 5277599.2/30

Left In: 0.000+/-0.000 χ^2/NDF:4897147.5/22

Left: 0.000+/-0.000 χ^2/NDF: 12028477.0/46

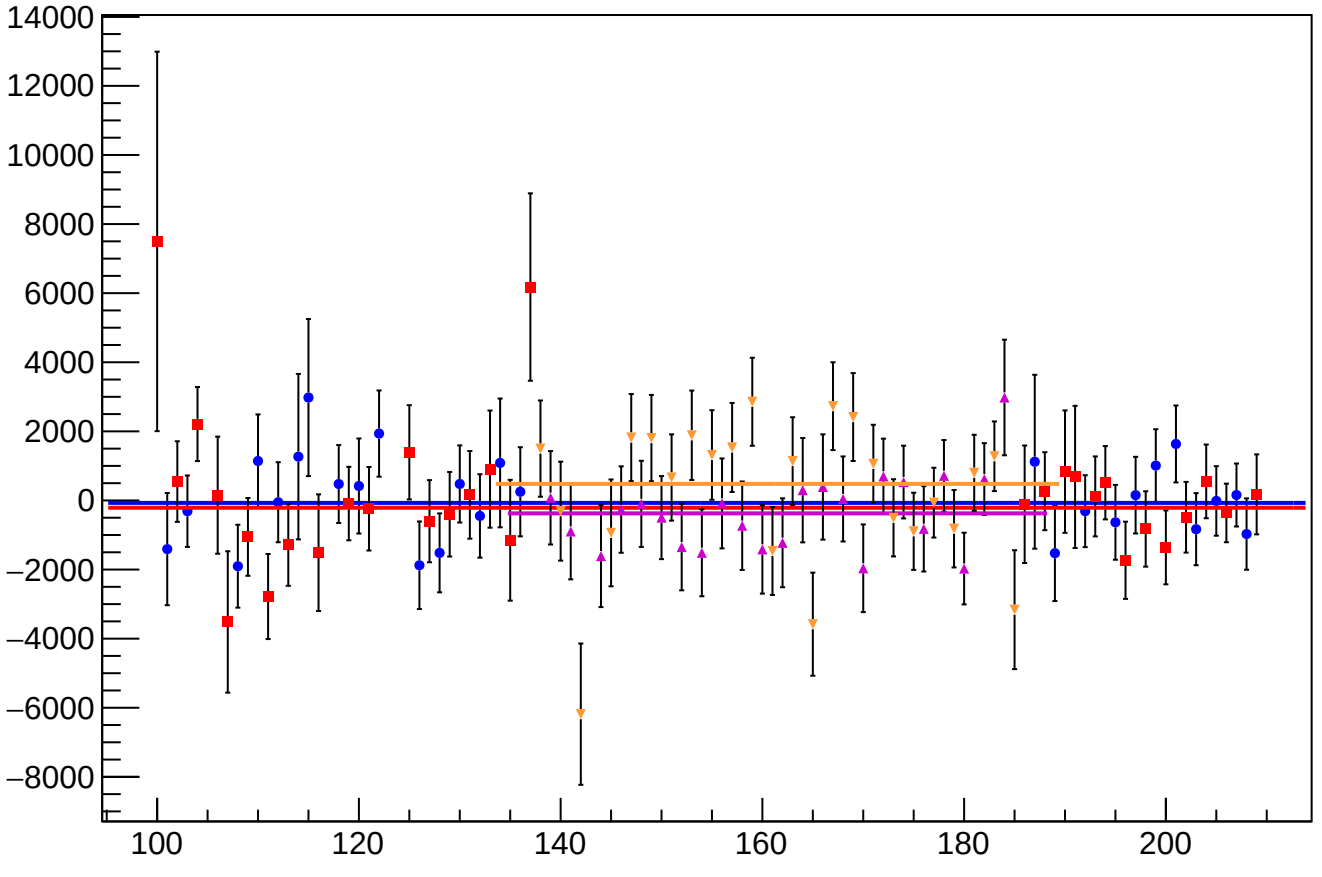
Right: 0.000+/-0.000 χ^2/NDF: 9752538.3/57

In: 0.000+/-0.000 χ^2/NDF:12453363.8/49

Out: 0.000+/-0.000 χ^2/NDF:16529910.8/54

All: 0.000+/-0.000 χ^2/NDF: 29501348.7/104

reg_asym_usl_atl2_dd_mean vs Slug, Sign Corrected



Right In: -70.482+/-232.995 χ^2/NDF: 19.8/26

Left Out: 479.555+/-256.330 χ^2/NDF:45.2/23

Right Out: -211.204+/-226.663 χ^2/NDF: 29.7/30

Left In: -372.926+/-259.314 χ^2/NDF:16.0/22

Left: 58.248+/-182.298 χ^2/NDF: 66.7/46

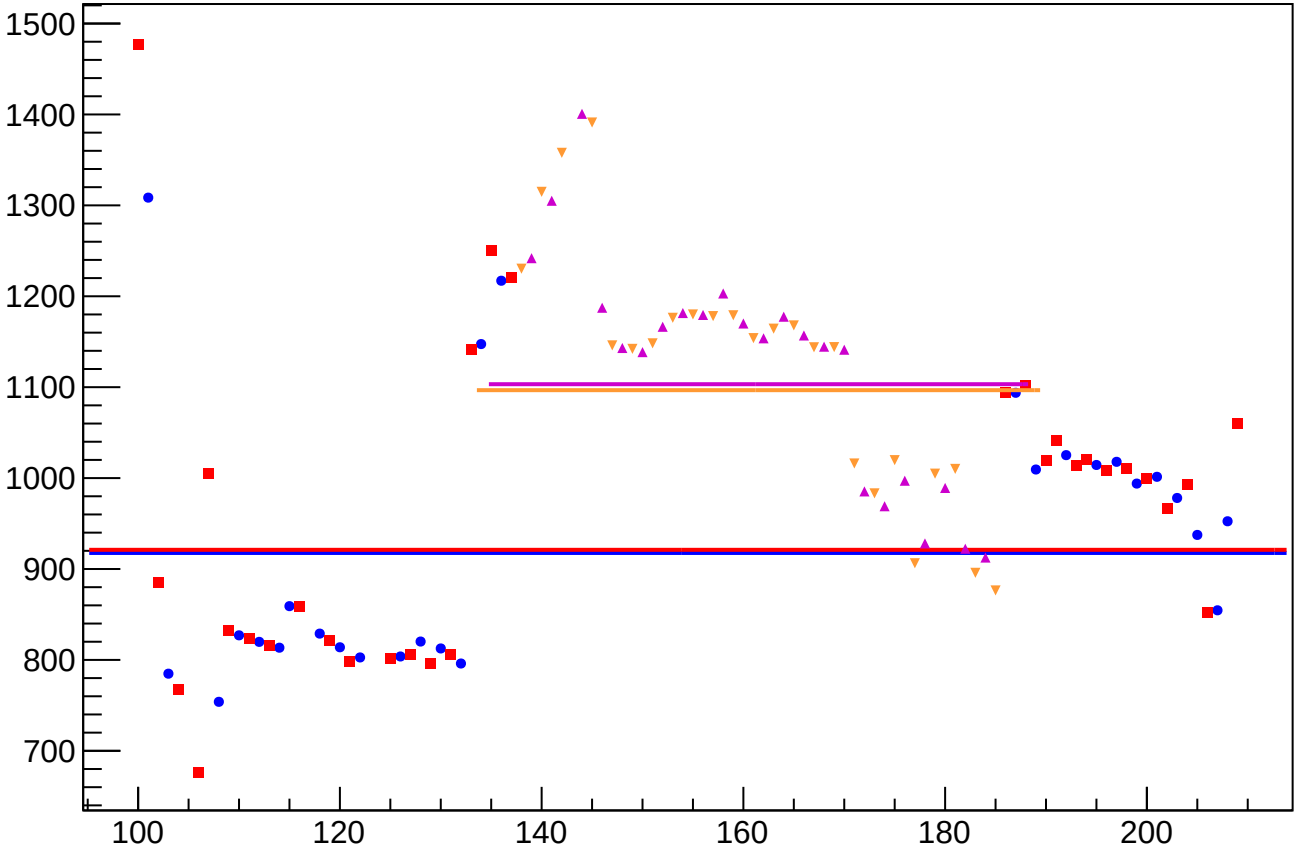
Right: -142.781+/-162.467 χ^2/NDF: 49.7/57

In: -205.581+/-173.313 χ^2/NDF:36.6/49

Out: 91.907+/-169.799 χ^2/NDF:79.0/54

All: -53.791+/-121.289 χ^2/NDF: 117.1/104

reg_asym_usl_atl2_dd_rms vs Slug, Sign Corrected



Right In: 917.657+/-0.165 χ^2/NDF: 575756.1/26

Left Out: 1096.711+/-0.181 χ^2/NDF:480498.6/23

Right Out: 921.107+/-0.159 χ^2/NDF: 627589.9/30

Left In: 1103.281+/-0.183 χ^2/NDF:447540.4/22

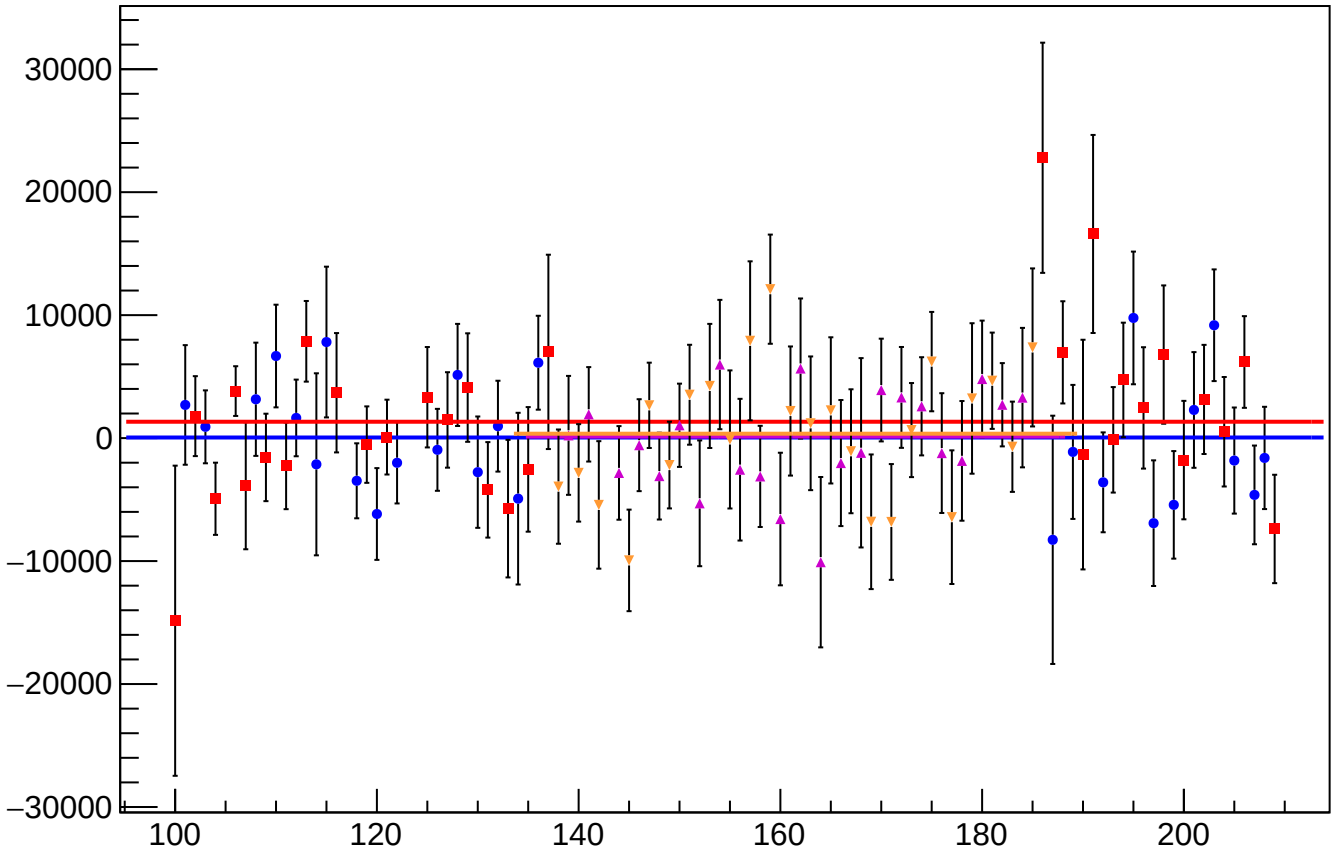
Left: 1099.958+/-0.129 χ^2/NDF: 928688.2/46

Right: 919.440+/-0.115 χ^2/NDF: 1203572.7/57

In: 1000.573+/-0.123 χ^2/NDF:1590333.8/49

Out: 997.627+/-0.120 χ^2/NDF:1637715.1/54

All: 999.065+/-0.086 χ^2/NDF: 3228344.8/104



Right In: 49.117+/-807.176 χ^2/NDF: 29.1/26

Left Out: 357.729+/-934.220 χ^2/NDF:30.3/23

Right Out: 1331.228+/-730.557 χ^2/NDF: 39.2/30

Left In: 126.696+/-932.645 χ^2/NDF:13.8/22

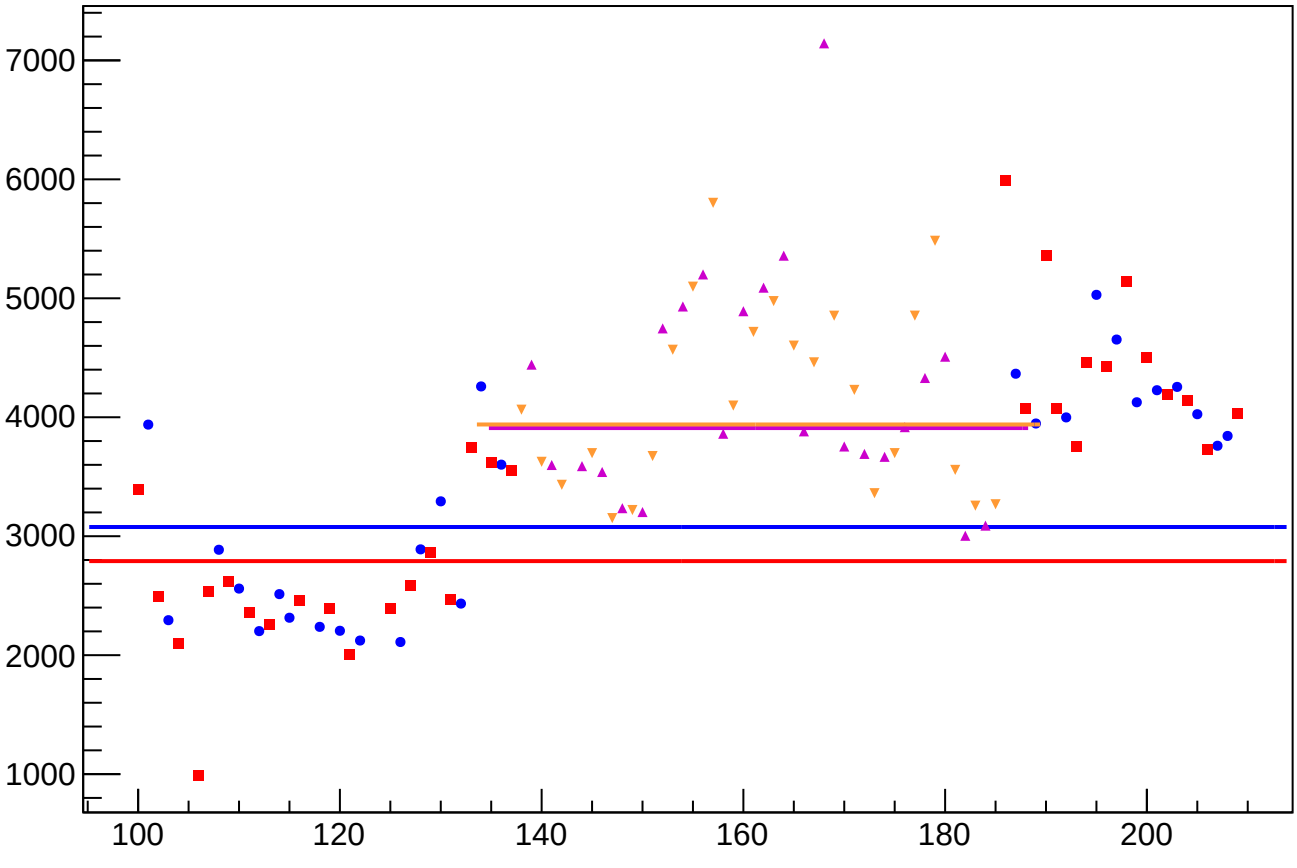
Left: 242.018+/-660.036 χ^2/NDF: 44.1/46

Right: 753.896+/-541.649 χ^2/NDF: 69.7/57

In: 82.341+/-610.336 χ^2/NDF:42.8/49

Out: 961.817+/-575.488 χ^2/NDF:70.2/54

All: 547.901+/-418.709 χ^2/NDF: 114.1/104



Right In: 3077.355+/-0.571 χ^2/NDF: 2426750.1/26

Left Out: 3939.261+/-0.661 χ^2/NDF:1092666.9/23

Right Out: 2790.794+/-0.517 χ^2/NDF: 4632426.6/30

Left In: 3909.133+/-0.659 χ^2/NDF:1300774.2/22

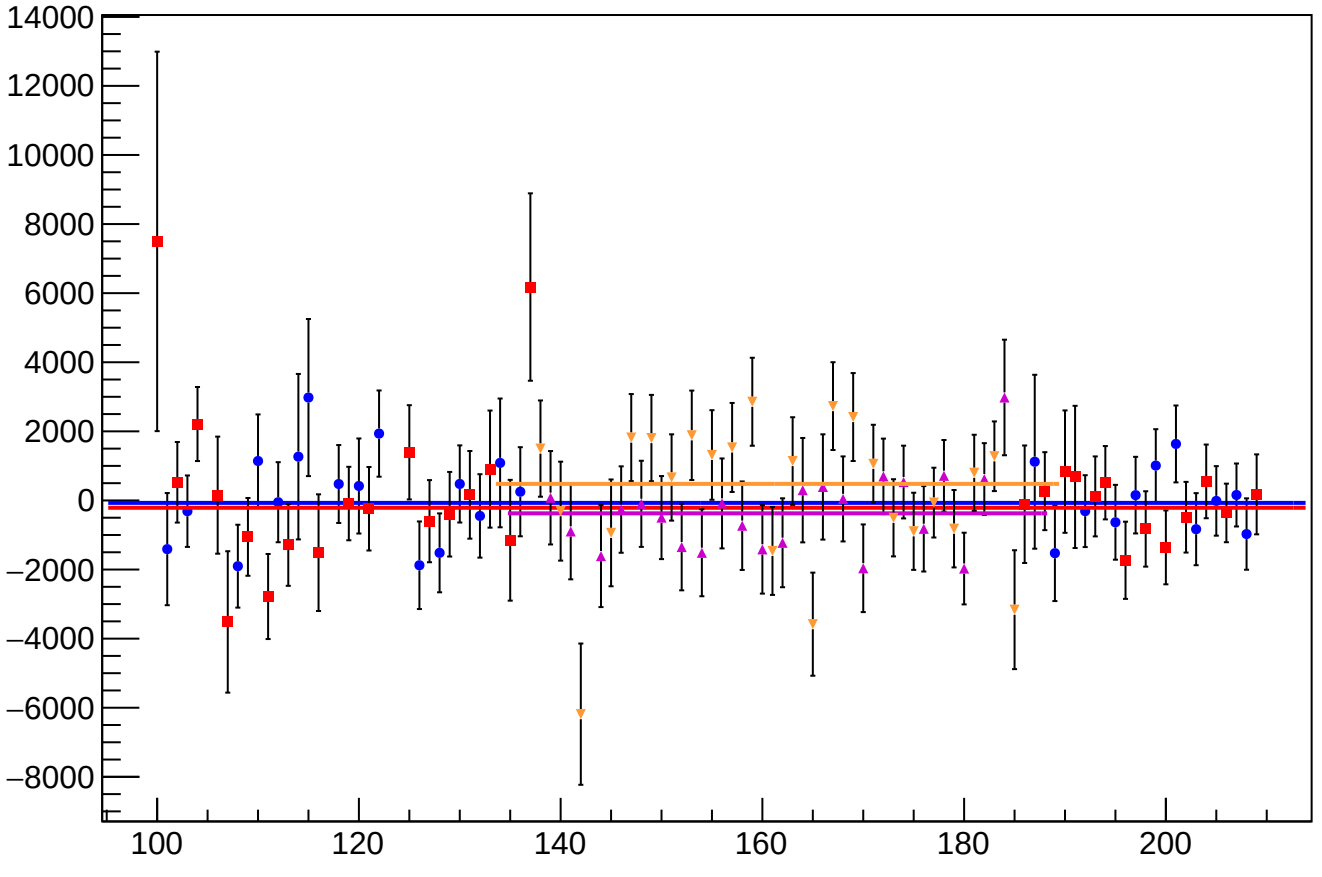
Left: 3924.172+/-0.467 χ^2/NDF: 2394482.8/46

Right: 2919.832+/-0.383 χ^2/NDF: 7197742.2/57

In: 3433.569+/-0.432 χ^2/NDF:4637047.0/49

Out: 3226.600+/-0.407 χ^2/NDF:7600663.9/54

All: 3324.008+/-0.296 χ^2/NDF: 12359457.5/1



Right In: -70.489+/-232.995 χ^2/NDF: 19.8/26

Left Out: 479.583+/-256.330 χ^2/NDF:45.2/23

Right Out: -212.026+/-226.665 χ^2/NDF: 29.7/30

Left In: -372.901+/-259.314 χ^2/NDF:16.0/22

Left: 58.275+/-182.298 χ^2/NDF: 66.7/46

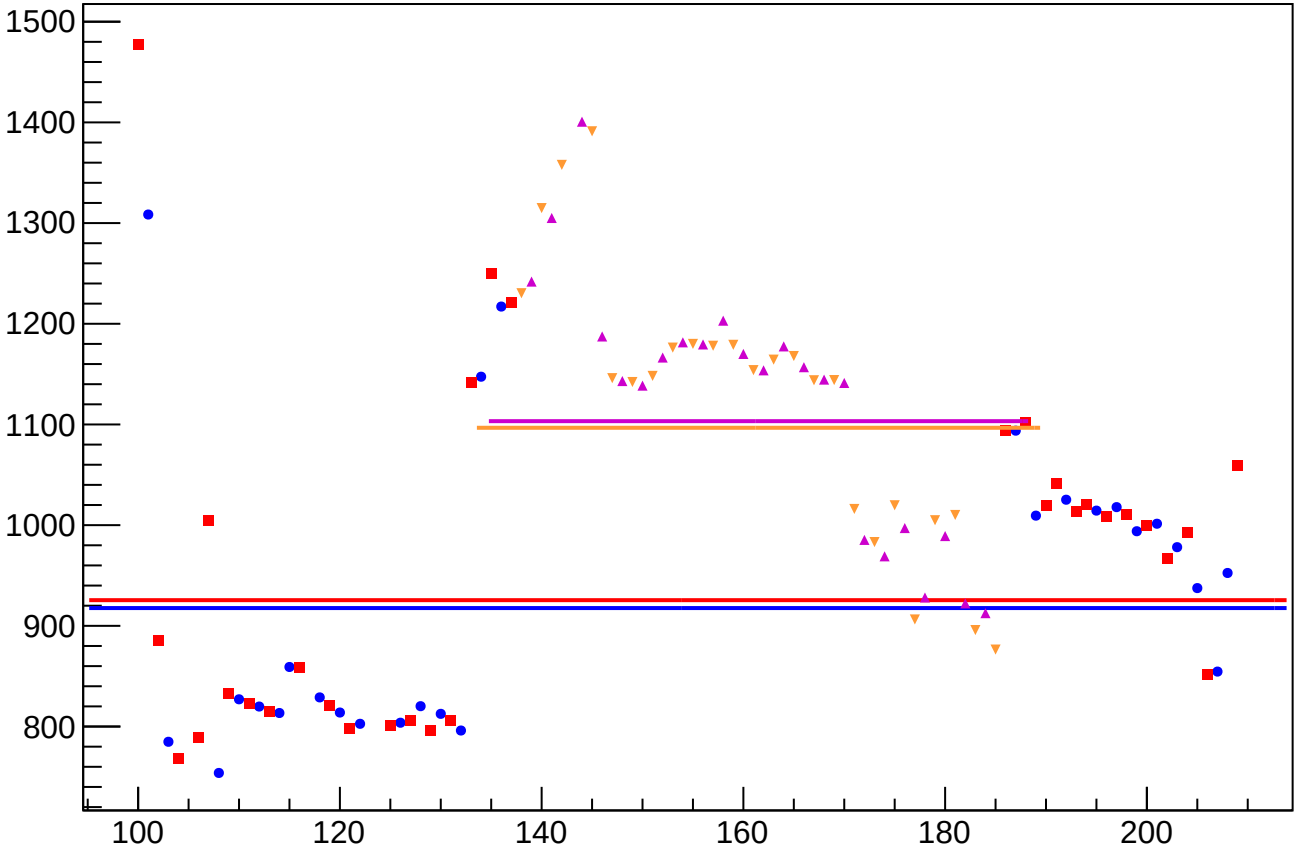
Right: -143.206+/-162.468 χ^2/NDF: 49.7/57

In: -205.574+/-173.313 χ^2/NDF:36.6/49

Out: 91.460+/-169.800 χ^2/NDF:78.9/54

All: -54.017+/-121.290 χ^2/NDF: 117.0/104

cor_asym_usl_atl2_dd_rms vs Slug, Sign Corrected



Right In: 917.657+/-0.165 χ^2/NDF: 575756.0/26

Left Out: 1096.711+/-0.181 χ^2/NDF:480498.6/23

Right Out: 925.504+/-0.160 χ^2/NDF: 571220.6/30

Left In: 1103.281+/-0.183 χ^2/NDF:447540.3/22

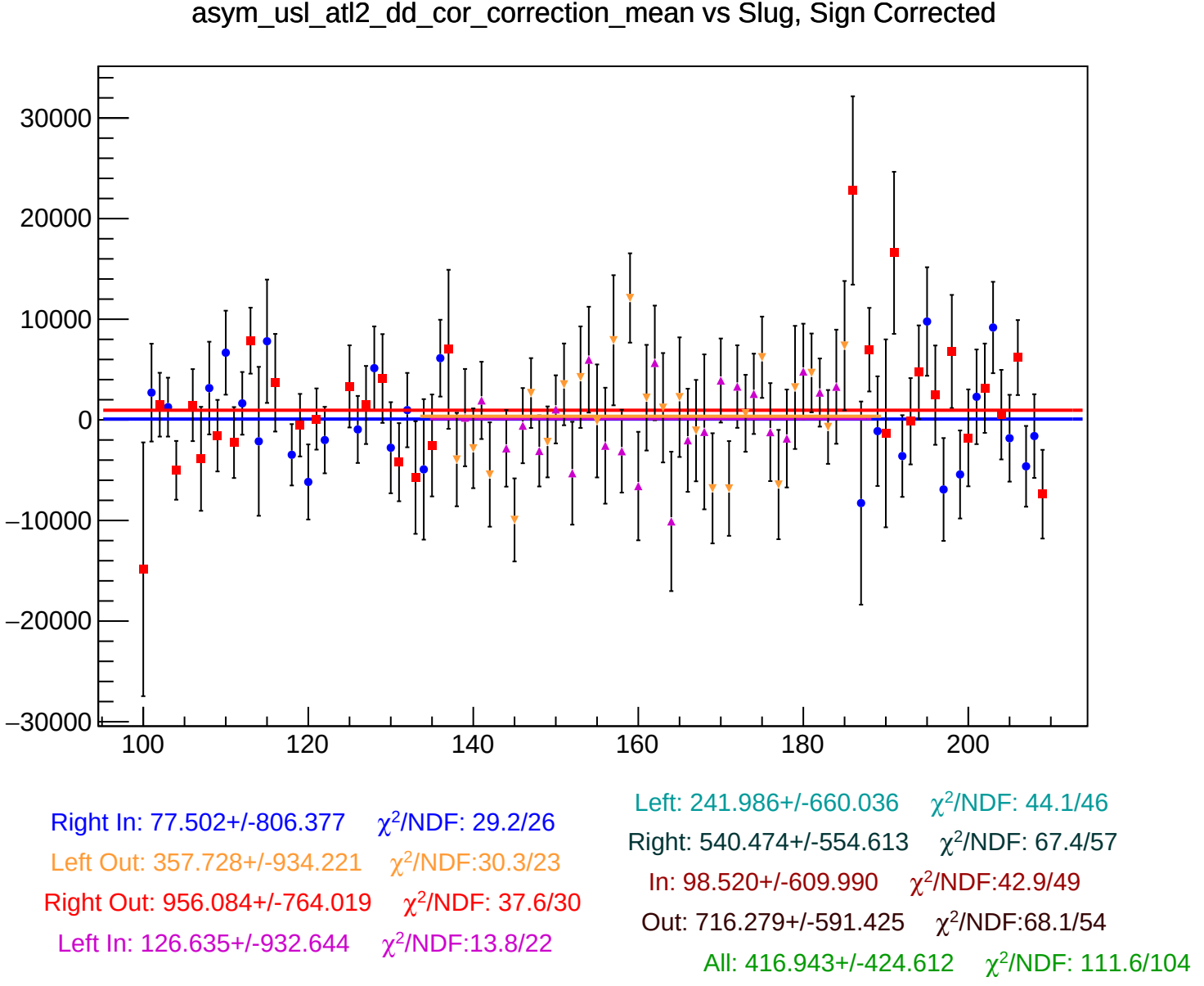
Left: 1099.958+/-0.129 χ^2/NDF: 928688.1/46

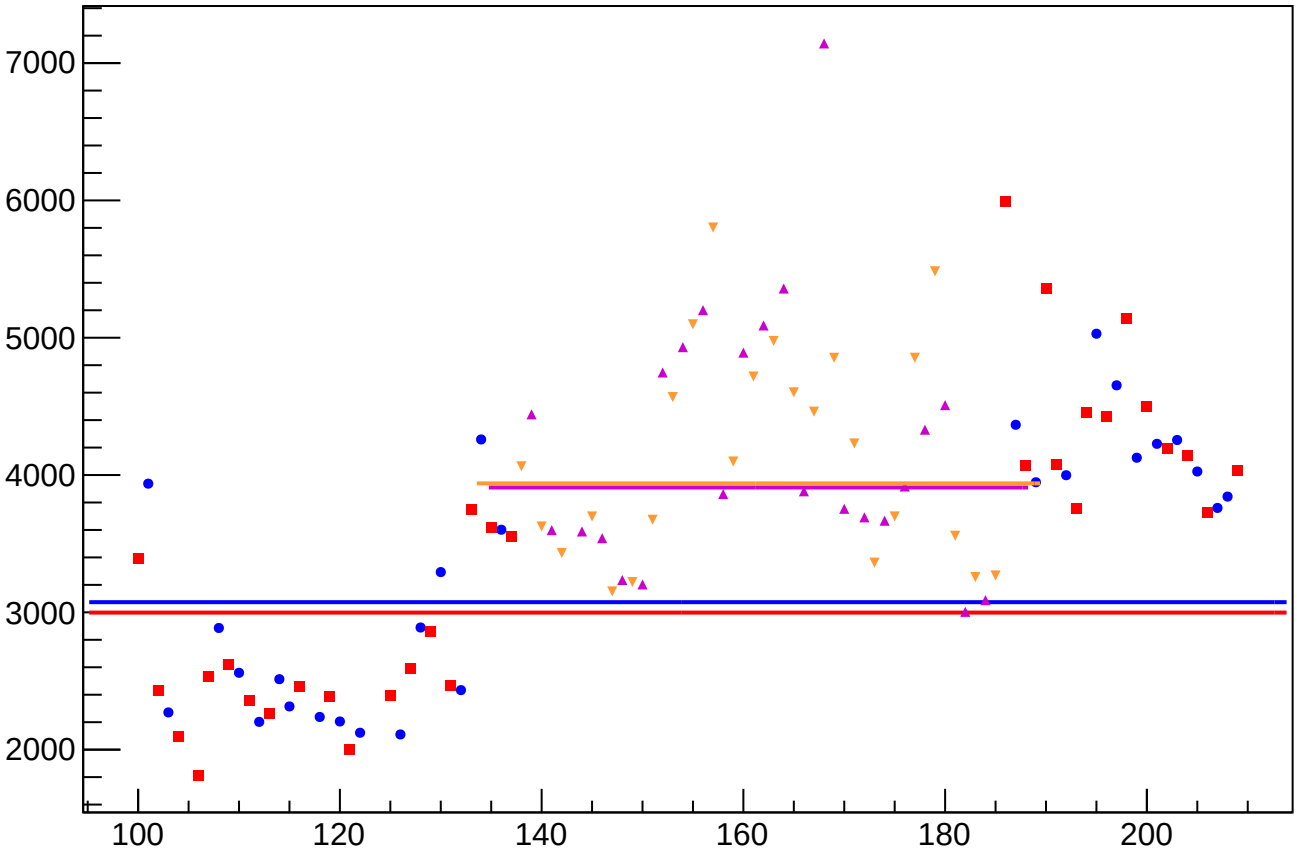
Right: 921.698+/-0.115 χ^2/NDF: 1148144.9/57

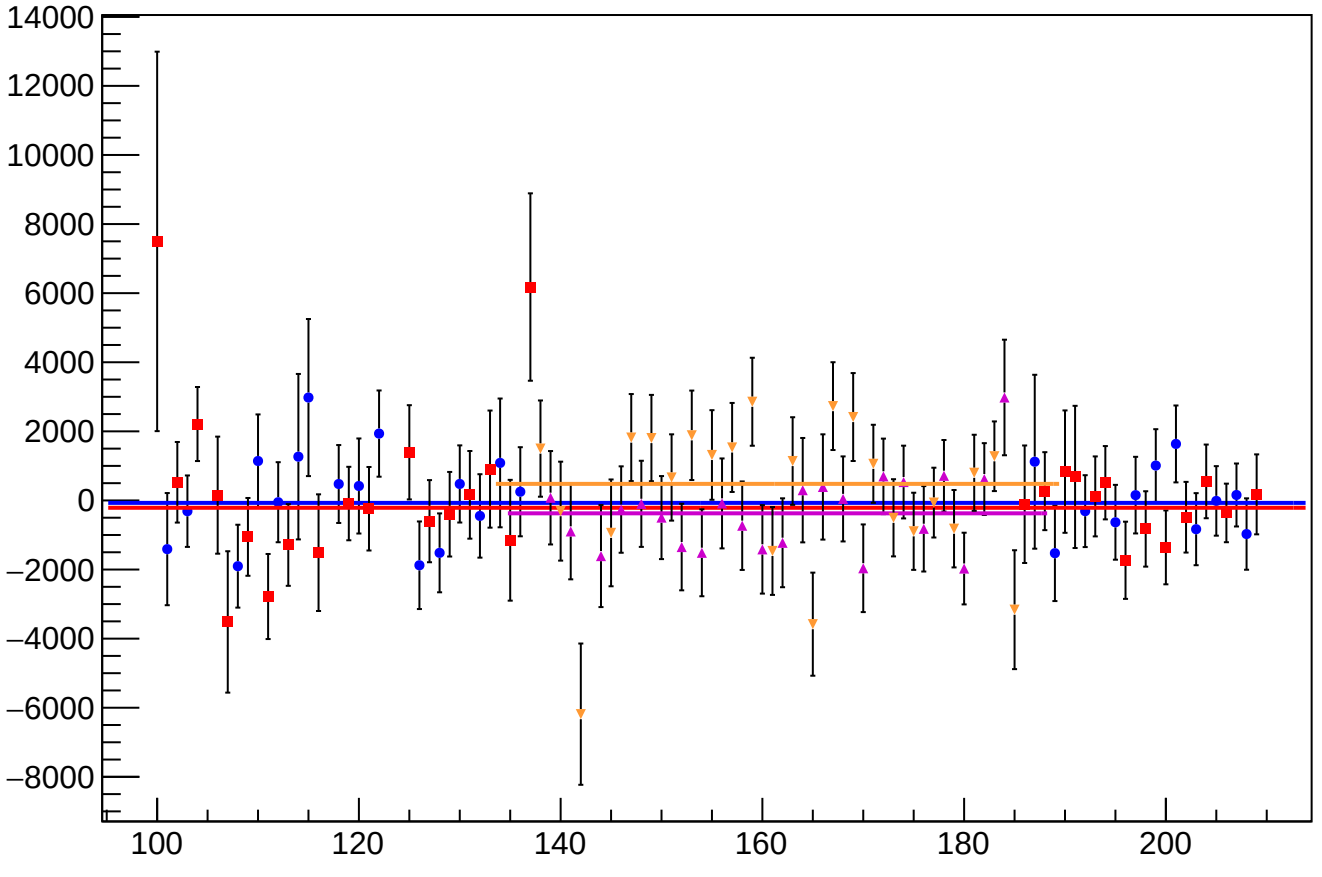
In: 1000.573+/-0.123 χ^2/NDF:1590333.9/49

Out: 1000.415+/-0.120 χ^2/NDF:1553559.9/54

All: 1000.492+/-0.086 χ^2/NDF: 3143894.6/10


asym_usl_atl2_dd_cor_correction_mean vs Slug, Sign Corrected
30000
20000
10000
0
−10000
−20000
−30000
100
120
140
160
180
200
Right In: 77.502+/-806.377 χ²/NDF: 29.2/26
Left Out: 357.728+/-934.221 χ²/NDF:30.3/23
Right Out: 956.084+/-764.019 χ²/NDF: 37.6/30
Left In: 126.635+/-932.644 χ²/NDF:13.8/22
Left: 241.986+/-660.036 χ²/NDF: 44.1/46
Right: 540.474+/-554.613 χ²/NDF: 67.4/57
In: 98.520+/-609.990 χ²/NDF:42.9/49
Out: 716.279+/-591.425 χ²/NDF:68.1/54
All: 416.943+/-424.612 χ²/NDF: 111.6/104


asym_usl_atl2_dd_cor_correction_rms vs Slug, Sign Corrected
7000
6000
5000
4000
3000
2000
100
120
140
160
180
200
Right In: 3074.047+/-0.570 χ²/NDF: 2438891.0/26
Left Out: 3939.266+/-0.661 χ²/NDF:1092657.5/23
Right Out: 2998.297+/-0.540 χ²/NDF: 3055816.8/30
Left In: 3909.128+/-0.659 χ²/NDF:1300782.7/22
Left: 3924.171+/-0.467 χ²/NDF: 2394482.7/46
Right: 3034.130+/-0.392 χ²/NDF: 5504008.0/57
In: 3431.272+/-0.431 χ²/NDF:4657210.8/49
Out: 3375.413+/-0.418 χ²/NDF:5364301.7/54
All: 3402.479+/-0.300 χ²/NDF: 10030157.3/



Right In: -70.489+/-232.995 χ^2/NDF: 19.8/26

Left Out: 479.583+/-256.330 χ^2/NDF:45.2/23

Right Out: -212.026+/-226.665 χ^2/NDF: 29.7/30

Left In: -372.901+/-259.314 χ^2/NDF:16.0/22

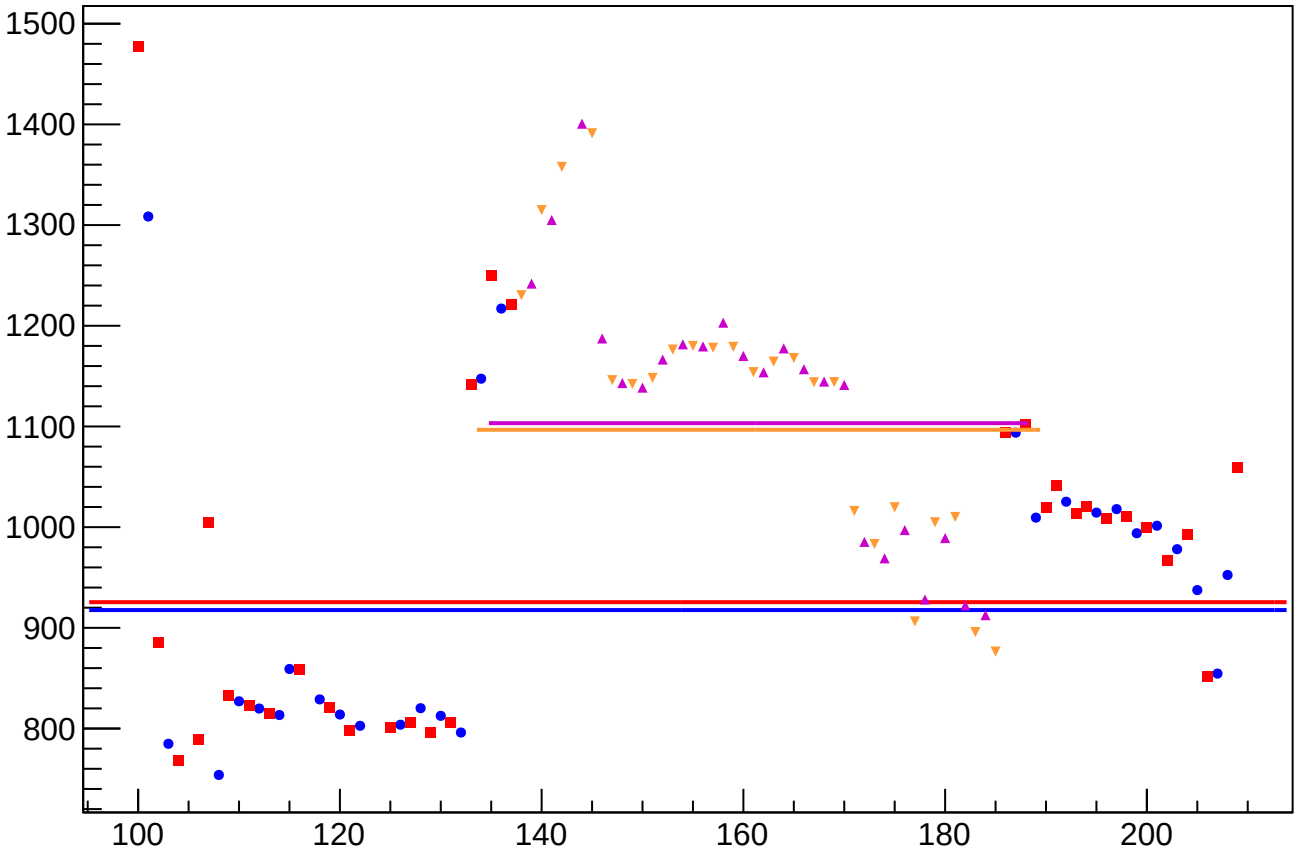
Left: 58.275+/-182.298 χ^2/NDF: 66.7/46

Right: -143.206+/-162.468 χ^2/NDF: 49.7/57

In: -205.574+/-173.313 χ^2/NDF:36.6/49

Out: 91.460+/-169.800 χ^2/NDF:78.9/54

All: -54.017+/-121.290 χ^2/NDF: 117.0/104



Right In: 917.657+/-0.165 χ^2/NDF: 575756.0/26

Left Out: 1096.711+/-0.181 χ^2/NDF:480498.6/23

Right Out: 925.504+/-0.160 χ^2/NDF: 571220.6/30

Left In: 1103.281+/-0.183 χ^2/NDF:447540.3/22

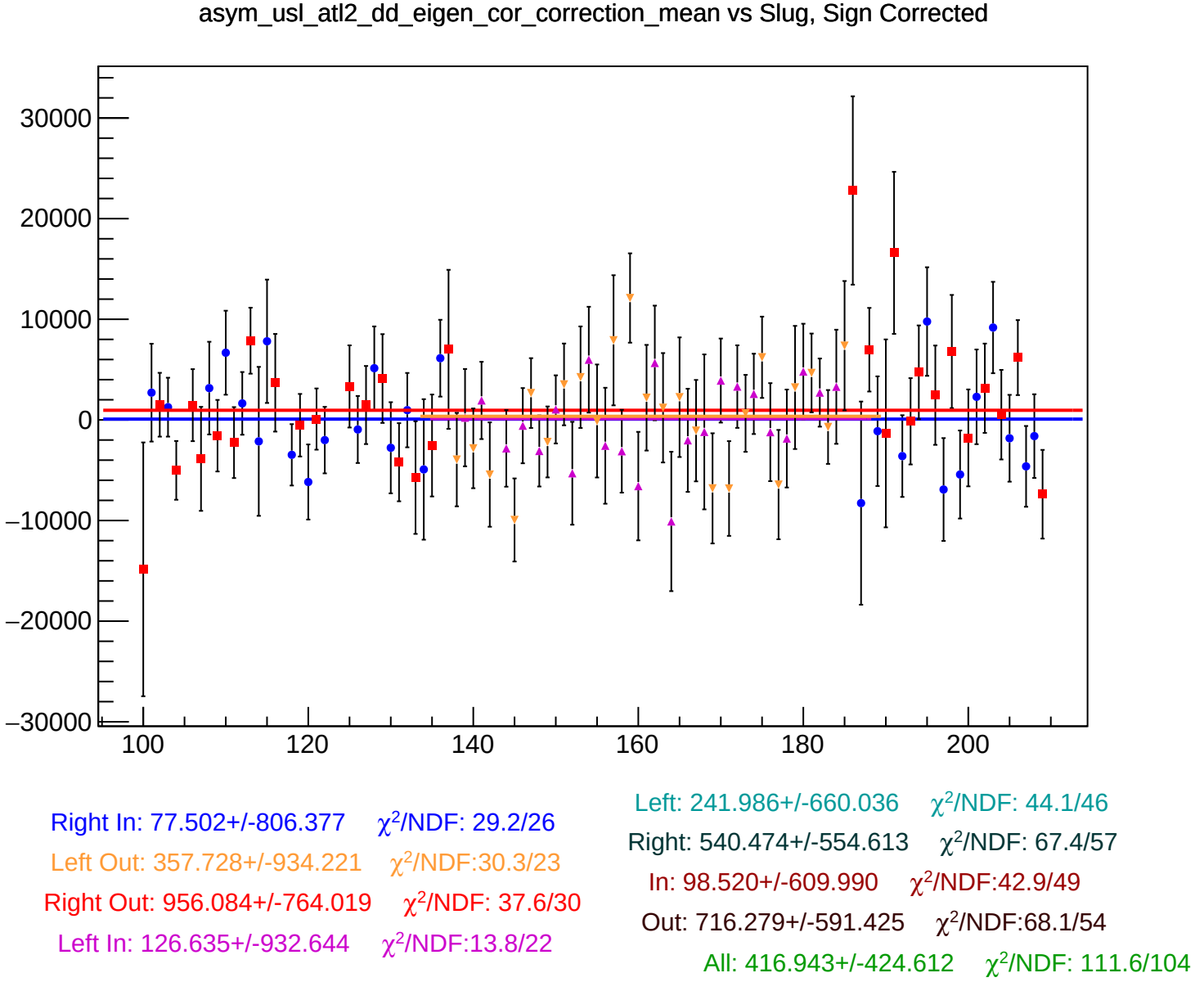
Left: 1099.958+/-0.129 χ^2/NDF: 928688.1/46

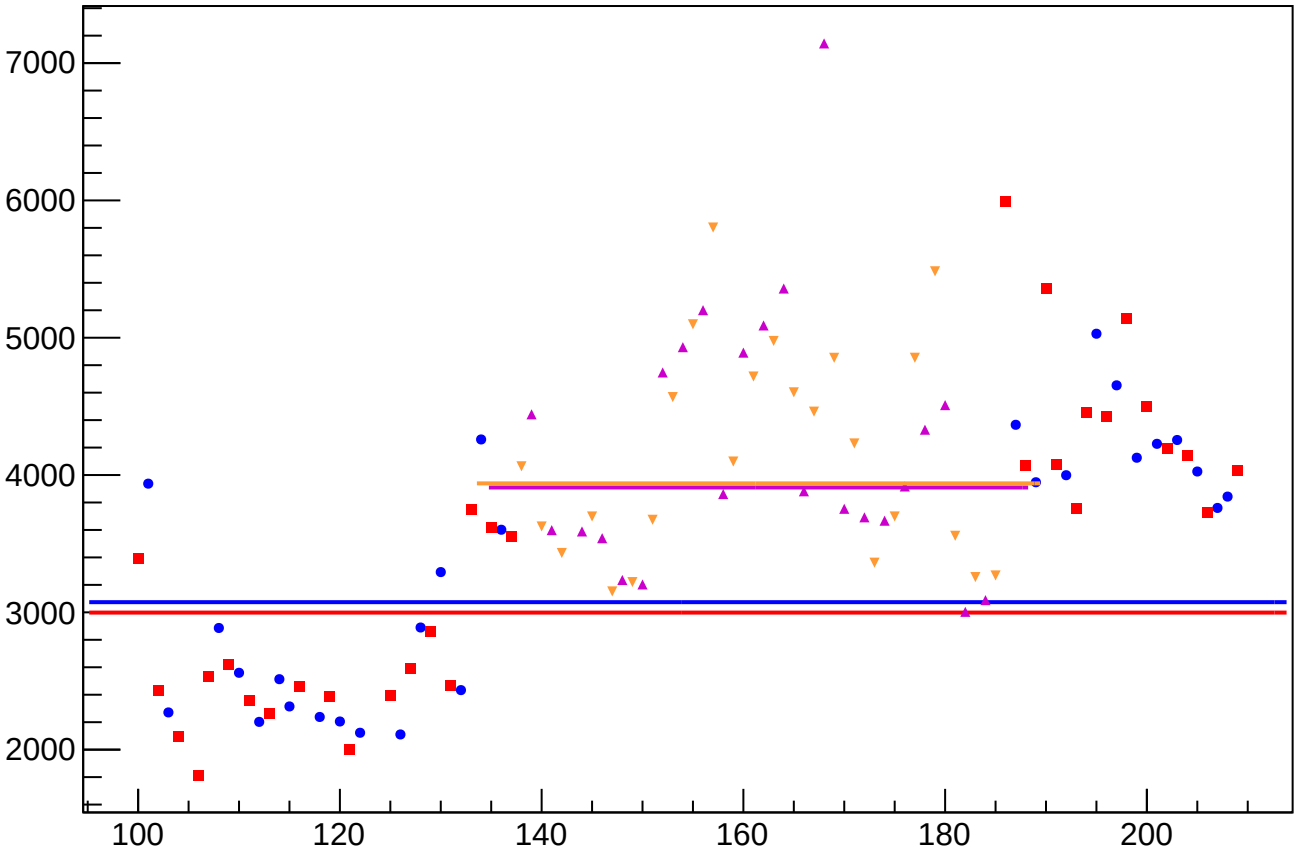
Right: 921.698+/-0.115 χ^2/NDF: 1148144.9/57

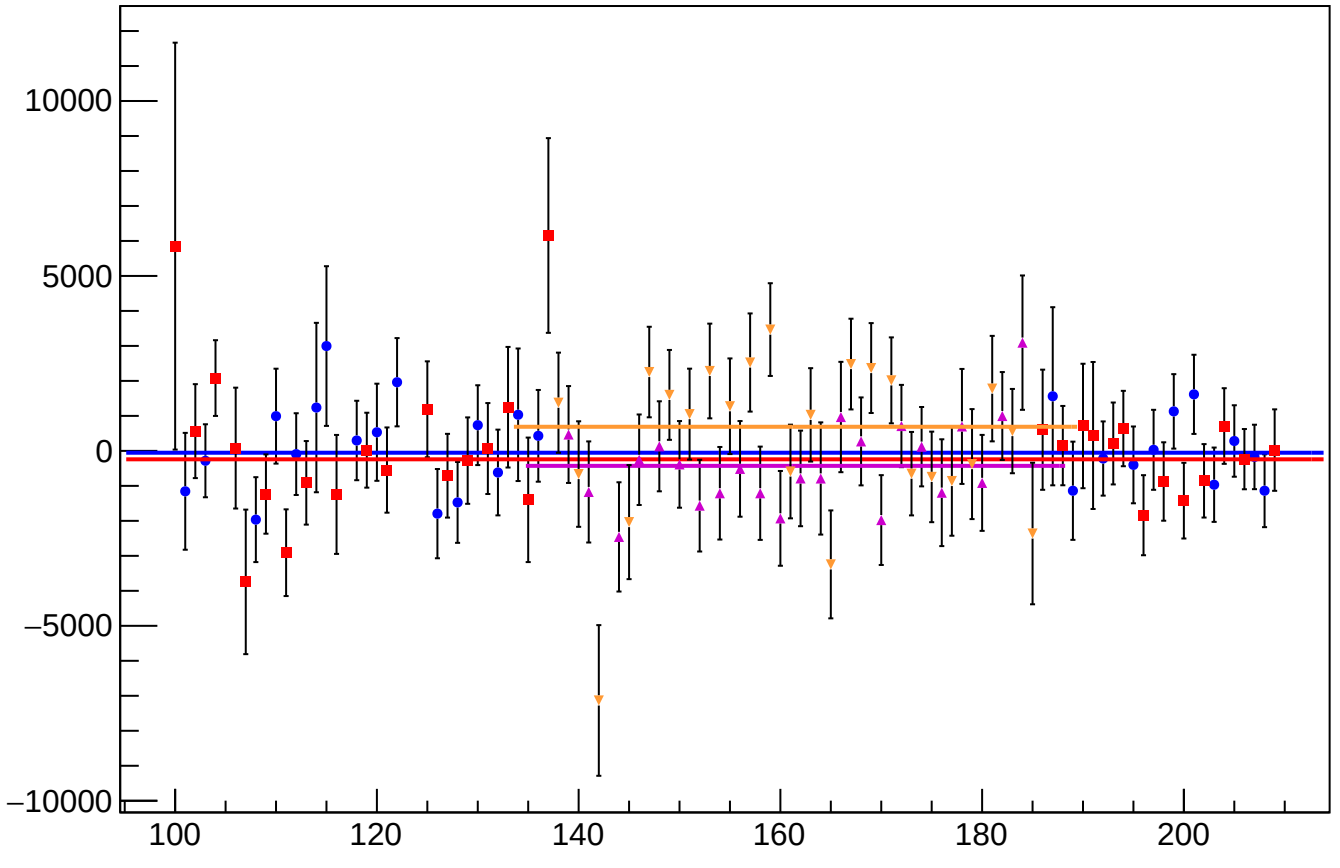
In: 1000.573+/-0.123 χ^2/NDF:1590333.9/49

Out: 1000.415+/-0.120 χ^2/NDF:1553559.9/54

All: 1000.492+/-0.086 χ^2/NDF: 3143894.6/10


asym_usl_atl2_dd_eigen_cor_correction_mean vs Slug, Sign Corrected
30000
20000
10000
0
−10000
−20000
−30000
100
120
140
160
180
200
Right In: 77.502+/-806.377 χ²/NDF: 29.2/26
Left Out: 357.728+/-934.221 χ²/NDF:30.3/23
Right Out: 956.084+/-764.019 χ²/NDF: 37.6/30
Left In: 126.635+/-932.644 χ²/NDF:13.8/22
Left: 241.986+/-660.036 χ²/NDF: 44.1/46
Right: 540.474+/-554.613 χ²/NDF: 67.4/57
In: 98.520+/-609.990 χ²/NDF:42.9/49
Out: 716.279+/-591.425 χ²/NDF:68.1/54
All: 416.943+/-424.612 χ²/NDF: 111.6/104


asym_usl_atl2_dd_eigen_cor_correction_rms vs Slug, Sign Corrected
7000
6000
5000
4000
3000
2000
100
120
140
160
180
200
Right In: 3074.047+/-0.570 χ²/NDF: 2438891.0/26
Left Out: 3939.266+/-0.661 χ²/NDF:1092657.5/23
Right Out: 2998.297+/-0.540 χ²/NDF: 3055816.8/30
Left In: 3909.128+/-0.659 χ²/NDF:1300782.7/22
Left: 3924.171+/-0.467 χ²/NDF: 2394482.7/46
Right: 3034.130+/-0.392 χ²/NDF: 5504008.0/57
In: 3431.272+/-0.431 χ²/NDF:4657210.8/49
Out: 3375.413+/-0.418 χ²/NDF:5364301.7/54
All: 3402.479+/-0.300 χ²/NDF: 10030157.3/



Right In: -52.852+/-236.124 χ^2/NDF: 19.5/26

Left Out: 689.087+/-284.388 χ^2/NDF:45.7/23

Right Out: -241.223+/-230.581 χ^2/NDF: 29.1/30

Left In: -428.052+/-284.383 χ^2/NDF:14.6/22

Left: 130.507+/-201.091 χ^2/NDF: 68.1/46

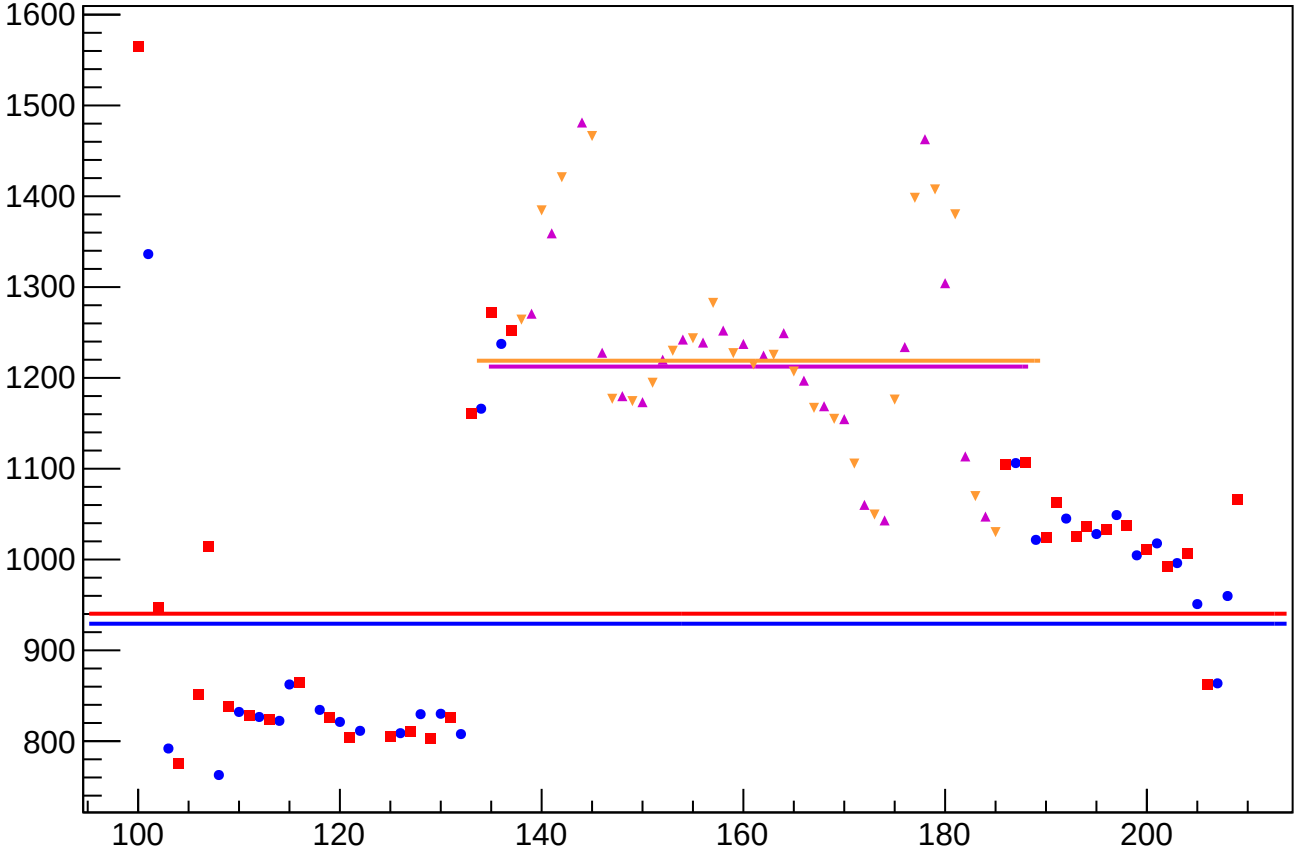
Right: -149.274+/-164.970 χ^2/NDF: 48.9/57

In: -205.962+/-181.666 χ^2/NDF:35.1/49

Out: 127.778+/-179.106 χ^2/NDF:81.3/54

All: -36.724+/-127.543 χ^2/NDF: 118.2/104

dit_asym_usl_atl2_dd_rms vs Slug, Sign Corrected



Right In: 929.308+/-0.167 χ^2/NDF: 598555.2/26

Left Out: 1218.928+/-0.201 χ^2/NDF:293874.9/23

Right Out: 940.340+/-0.163 χ^2/NDF: 578885.8/30

Left In: 1212.447+/-0.201 χ^2/NDF:260320.0/22

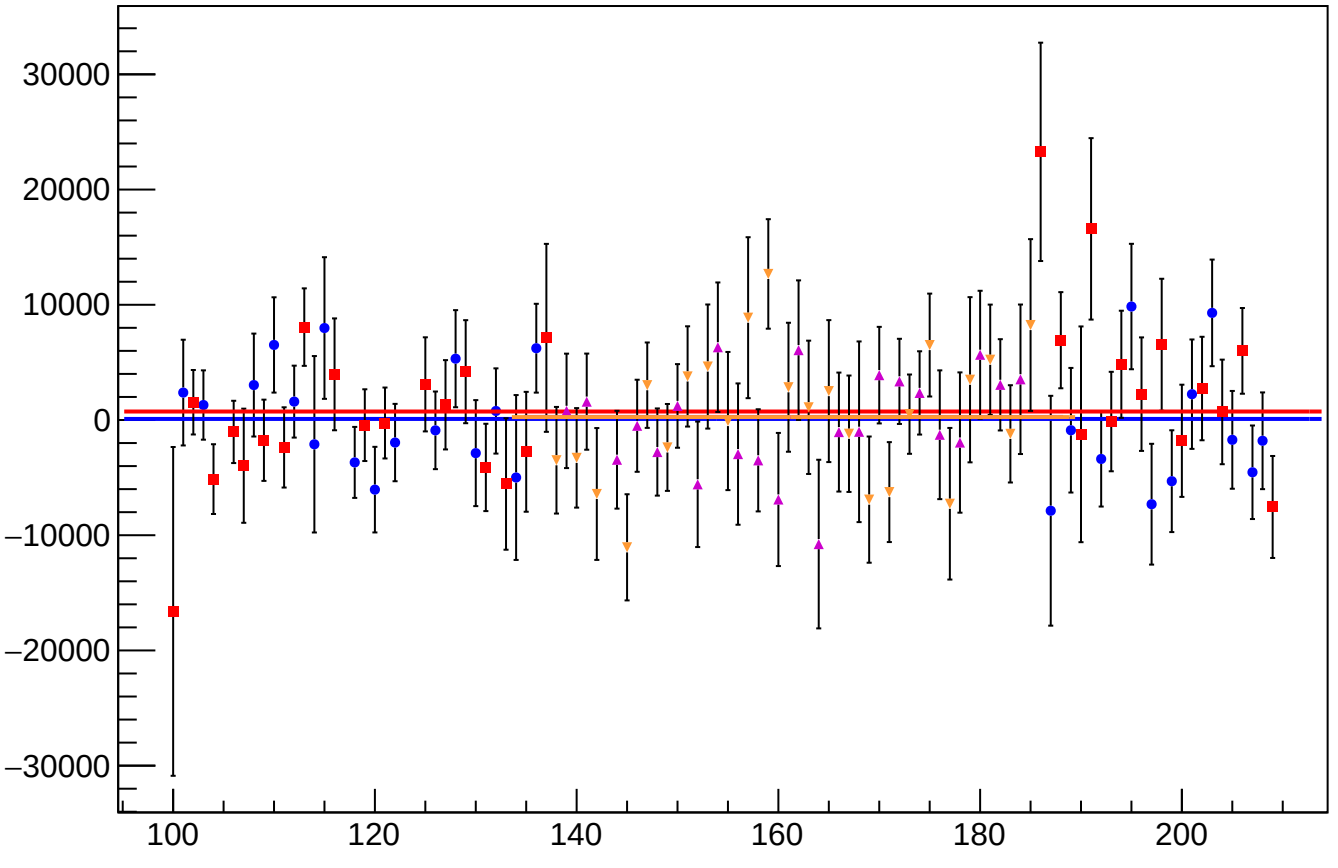
Left: 1215.687+/-0.142 χ^2/NDF: 554714.2/46

Right: 934.958+/-0.117 χ^2/NDF: 1179676.7/57

In: 1044.850+/-0.128 χ^2/NDF:2032393.4/49

Out: 1050.775+/-0.127 χ^2/NDF:2031206.8/54

All: 1047.855+/-0.090 χ^2/NDF: 4064679.3/10



Right In: 92.368+/-811.329 χ^2/NDF: 28.9/26

Left Out: 252.803+/-995.149 χ^2/NDF:29.7/23

Right Out: 736.645+/-749.039 χ^2/NDF: 38.1/30

Left In: 266.235+/-990.083 χ^2/NDF:13.4/22

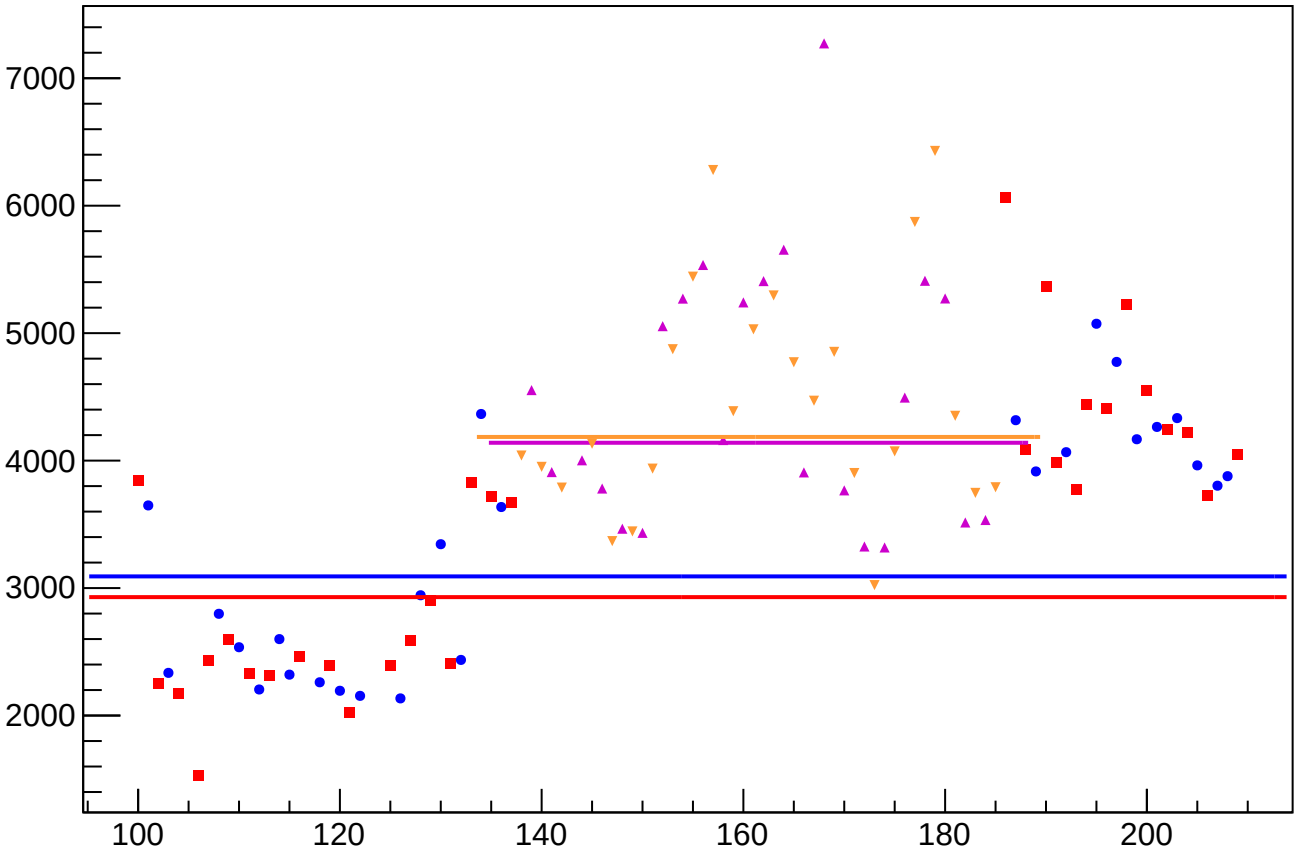
Left: 259.553+/-701.879 χ^2/NDF: 43.1/46

Right: 440.185+/-550.356 χ^2/NDF: 67.3/57

In: 162.217+/-627.542 χ^2/NDF:42.3/49

Out: 561.663+/-598.457 χ^2/NDF:68.0/54

All: 371.411+/-433.091 χ^2/NDF: 110.5/104



Right In: 3091.615+/-0.574 χ^2/NDF: 2415841.7/26

Left Out: 4185.656+/-0.704 χ^2/NDF:1271248.5/23

Right Out: 2929.036+/-0.530 χ^2/NDF: 3513321.9/30

Left In: 4140.051+/-0.700 χ^2/NDF:1449924.0/22

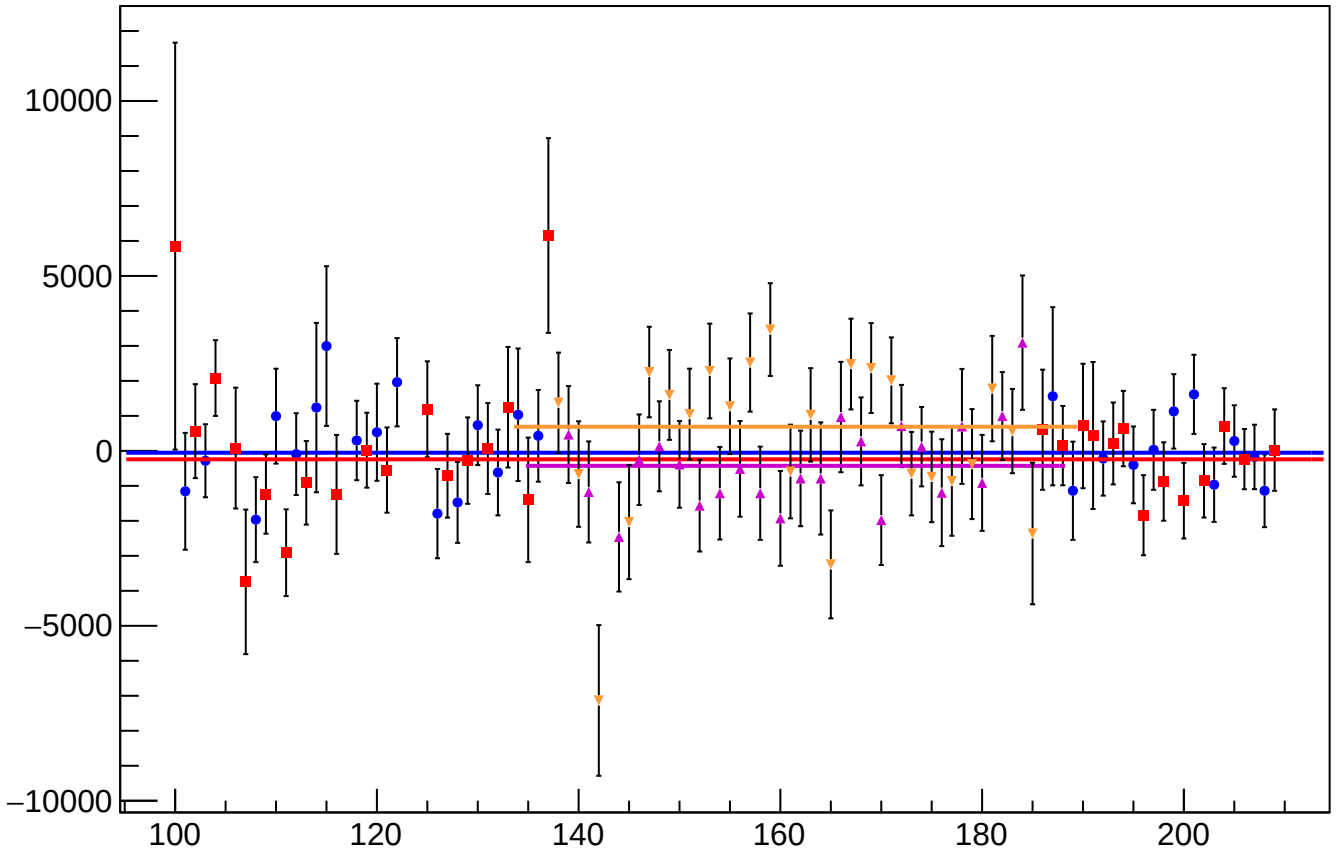
Left: 4162.737+/-0.496 χ^2/NDF: 2723283.3/46

Right: 3003.846+/-0.389 χ^2/NDF: 5972518.8/57

In: 3512.812+/-0.444 χ^2/NDF:5207487.9/49

Out: 3383.494+/-0.423 χ^2/NDF:6820293.9/54

All: 3445.087+/-0.306 χ^2/NDF: 12072260.0/



Right In: -52.854+/-236.124 χ^2/NDF: 19.5/26

Left Out: 689.089+/-284.388 χ^2/NDF:45.7/23

Right Out: -241.224+/-230.581 χ^2/NDF: 29.1/30

Left In: -428.050+/-284.383 χ^2/NDF:14.6/22

Left: 130.510+/-201.091 χ^2/NDF: 68.1/46

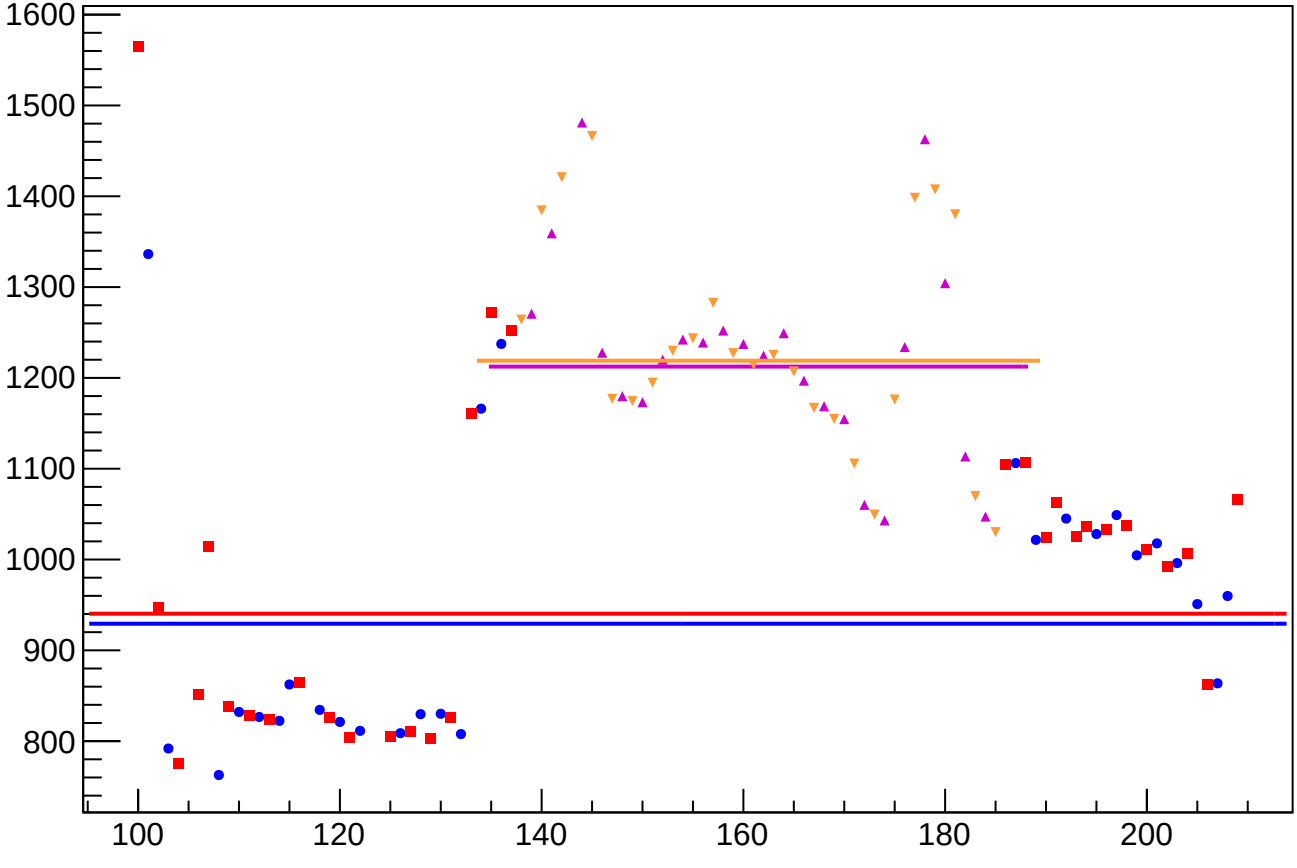
Right: -149.276+/-164.970 χ^2/NDF: 48.9/57

In: -205.962+/-181.666 χ^2/NDF:35.1/49

Out: 127.778+/-179.106 χ^2/NDF:81.3/54

All: -36.724+/-127.543 χ^2/NDF: 118.2/104

eigen_dit_asym_usl_atl2_dd_rms vs Slug, Sign Corrected



Right In: 929.308+/-0.167 χ^2/NDF: 598555.0/26

Left Out: 1218.929+/-0.201 χ^2/NDF:293885.7/23

Right Out: 940.340+/-0.163 χ^2/NDF: 578886.4/30

Left In: 1212.448+/-0.201 χ^2/NDF:260330.4/22

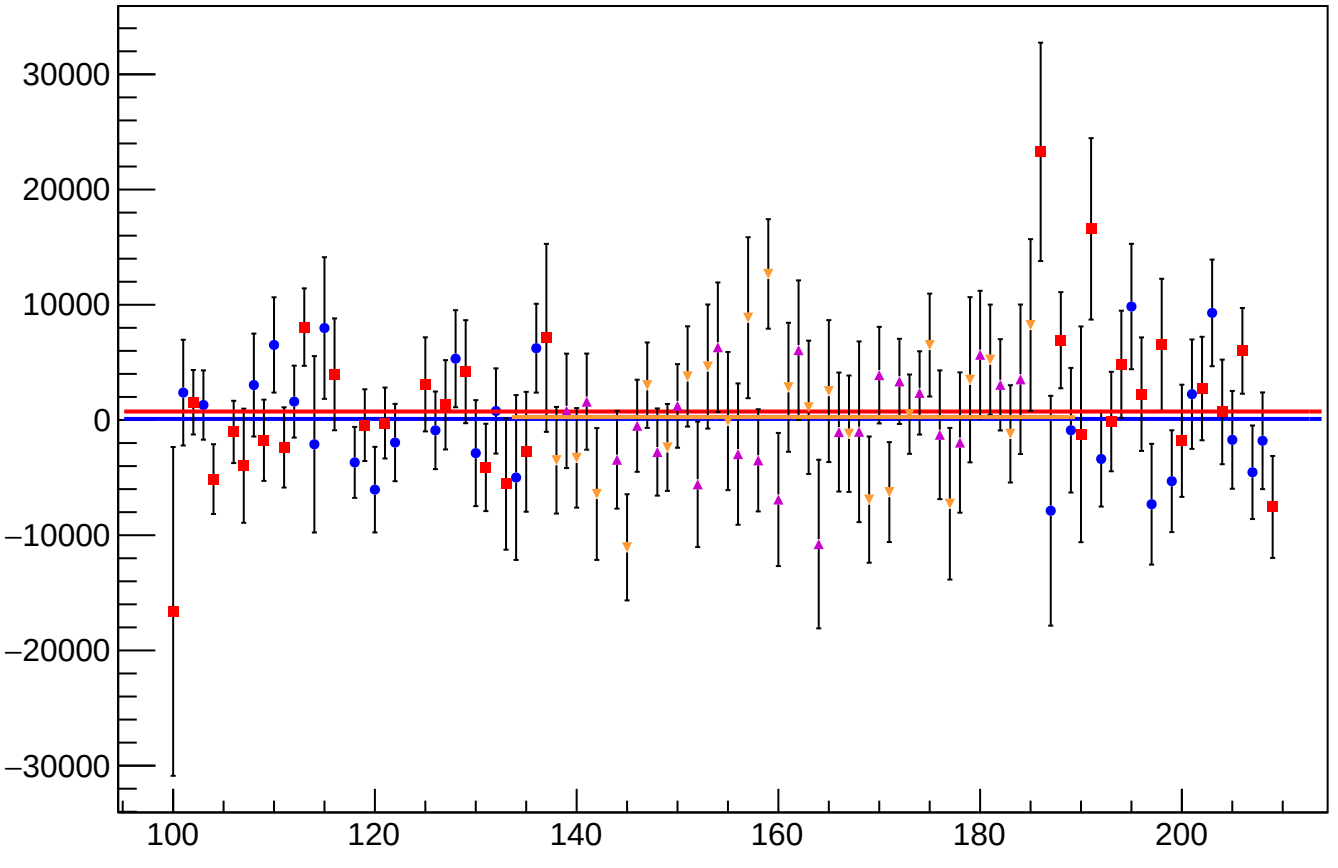
Left: 1215.689+/-0.142 χ^2/NDF: 554735.4/46

Right: 934.958+/-0.117 χ^2/NDF: 1179677.1/57

In: 1044.850+/-0.128 χ^2/NDF:2032409.5/49

Out: 1050.775+/-0.127 χ^2/NDF:2031225.0/54

All: 1047.856+/-0.090 χ^2/NDF: 4064713.4/10



Right In: 92.367+/-811.328 χ^2/NDF: 28.9/26

Left Out: 252.805+/-995.151 χ^2/NDF:29.7/23

Right Out: 736.639+/-749.038 χ^2/NDF: 38.1/30

Left In: 266.236+/-990.085 χ^2/NDF:13.4/22

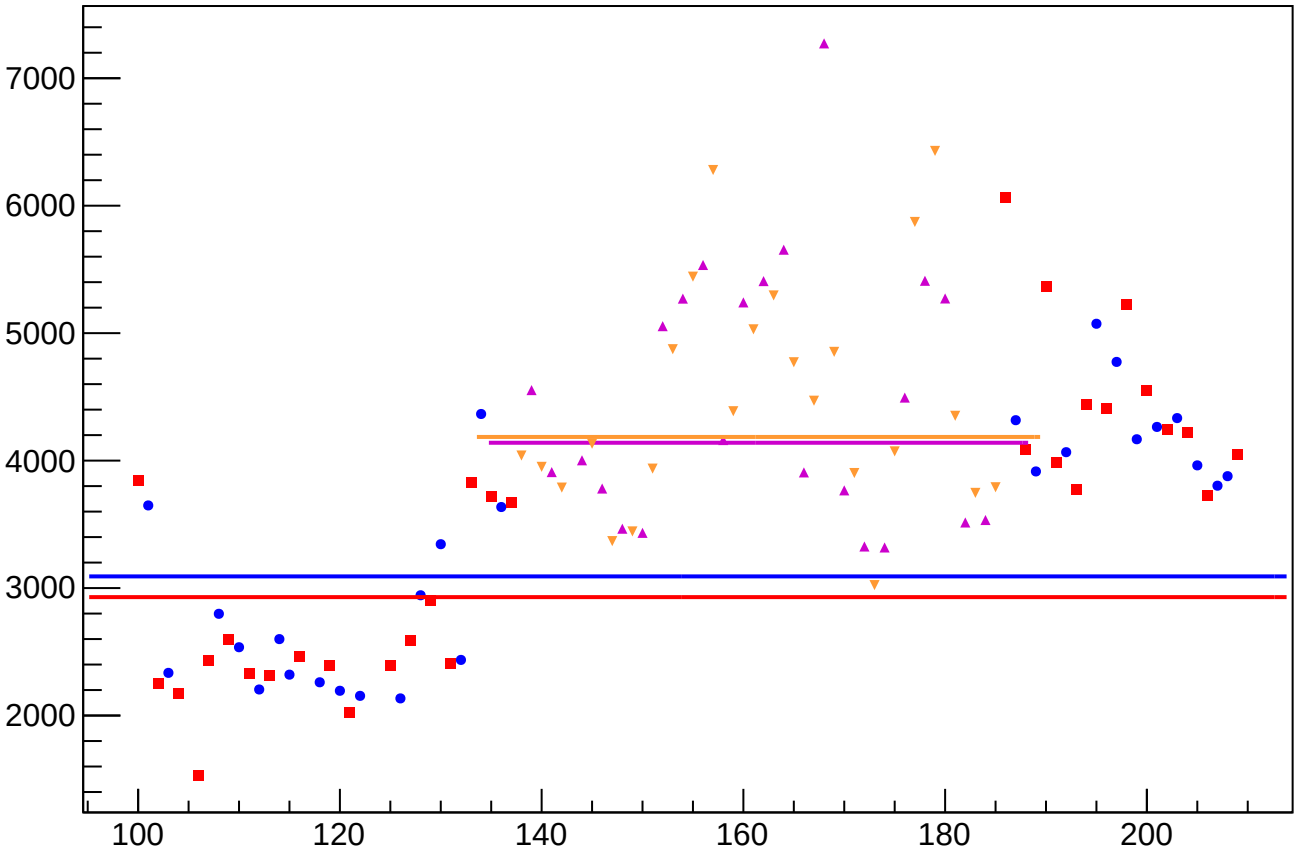
Left: 259.555+/-701.880 χ^2/NDF: 43.1/46

Right: 440.182+/-550.355 χ^2/NDF: 67.3/57

In: 162.216+/-627.542 χ^2/NDF:42.3/49

Out: 561.661+/-598.457 χ^2/NDF:68.0/54

All: 371.409+/-433.090 χ^2/NDF: 110.5/104



Right In: 3091.609+/-0.574 χ^2/NDF: 2415884.4/26

Left Out: 4185.664+/-0.704 χ^2/NDF:1271247.4/23

Right Out: 2929.031+/-0.530 χ^2/NDF: 3513359.7/30

Left In: 4140.059+/-0.700 χ^2/NDF:1449925.1/22

Left: 4162.745+/-0.496 χ^2/NDF: 2723283.4/46

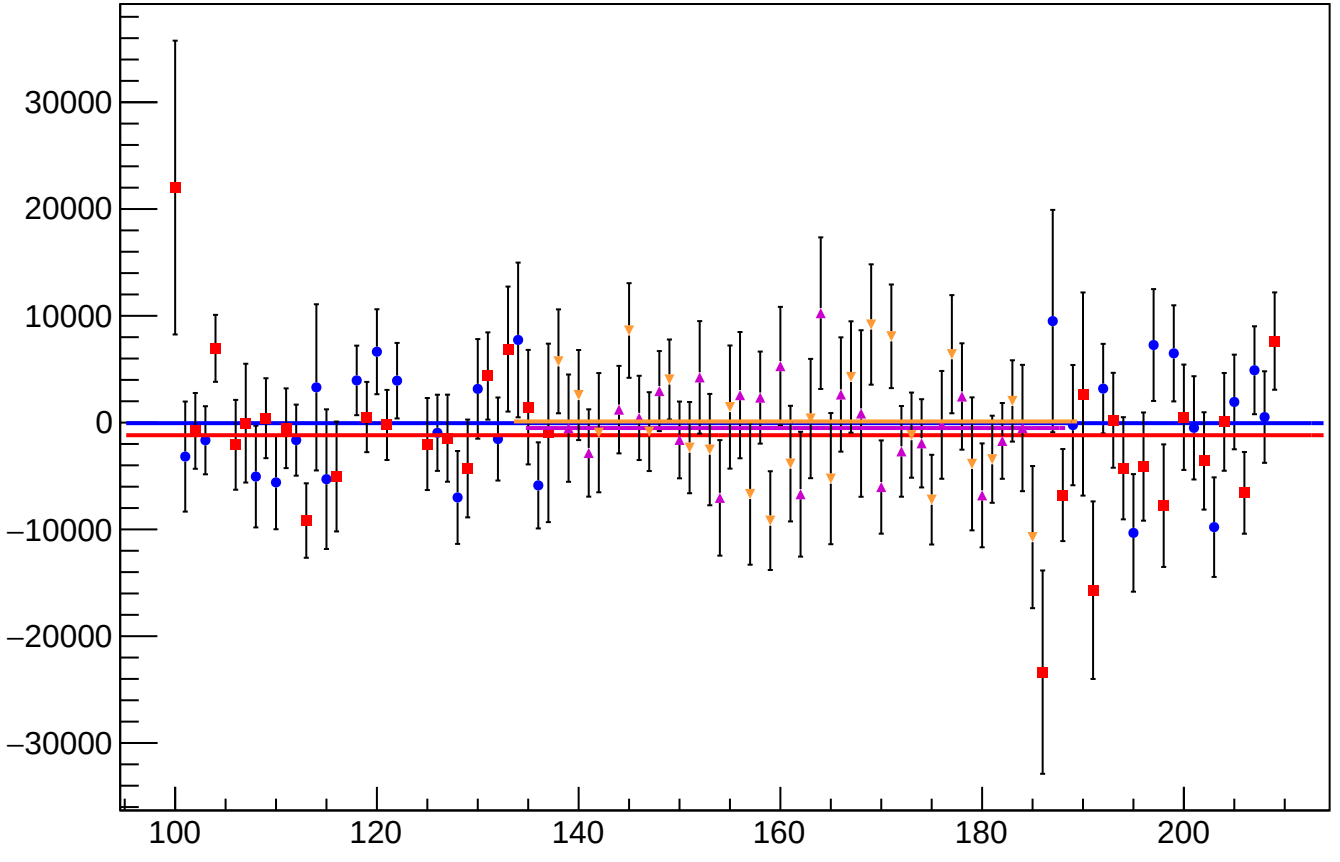
Right: 3003.840+/-0.389 χ^2/NDF: 5972599.2/57

In: 3512.809+/-0.444 χ^2/NDF:5207564.8/49

Out: 3383.492+/-0.423 χ^2/NDF:6820373.0/54

All: 3445.084+/-0.306 χ^2/NDF: 12072416.3/1

asym_usl_atl2_dd_mean vs Slug, Sign Corrected



Right In: -51.837+/-847.080 χ^2/NDF: 31.5/26

Left Out: 108.966+/-975.598 χ^2/NDF:28.0/23

Right Out: -1179.715+/-808.167 χ^2/NDF: 39.2/30

Left In: -509.024+/-974.173 χ^2/NDF:13.5/22

Left: -200.481+/-689.348 χ^2/NDF: 41.8/46

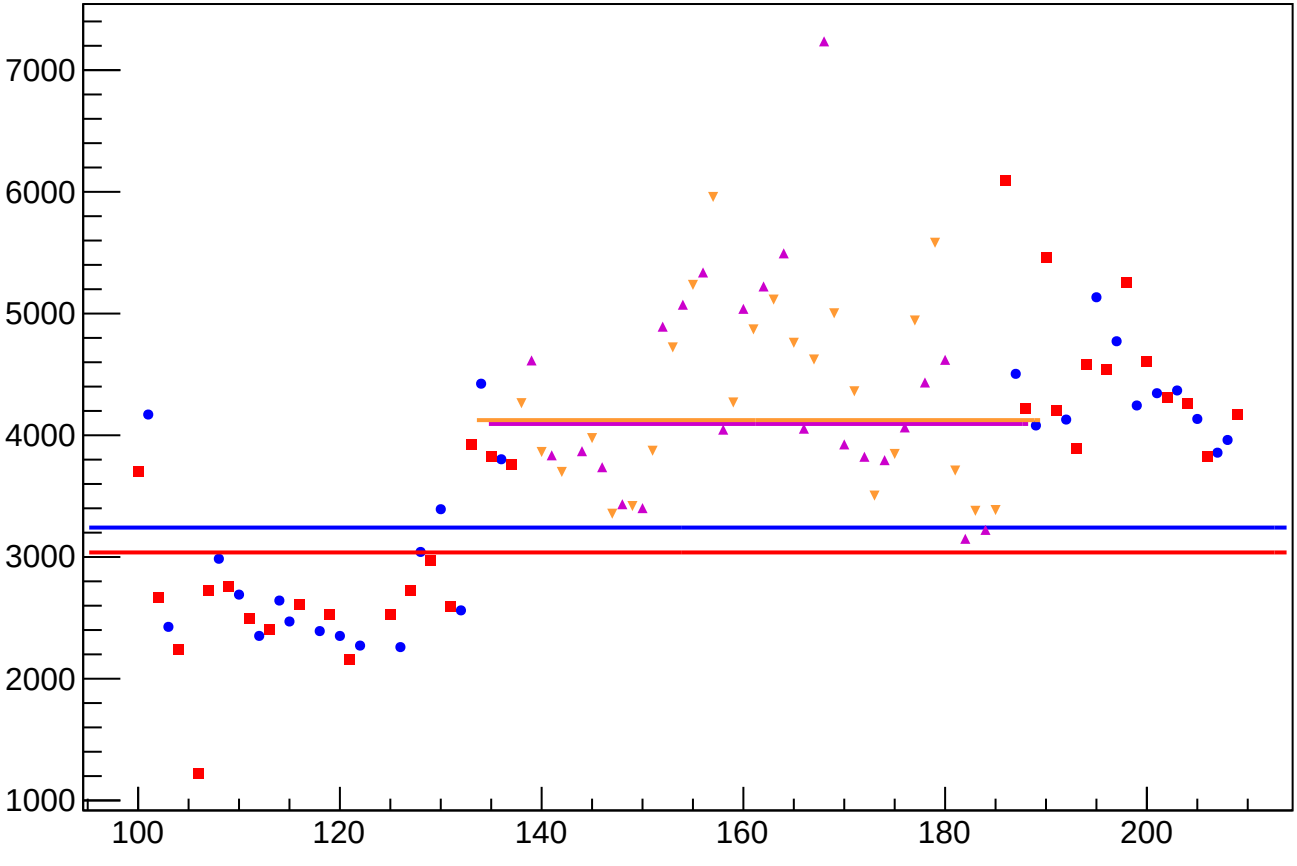
Right: -642.277+/-584.733 χ^2/NDF: 71.7/57

In: -248.682+/-639.220 χ^2/NDF:45.1/49

Out: -655.279+/-622.364 χ^2/NDF:68.3/54

All: -457.412+/-445.918 χ^2/NDF: 113.7/104

asym_usl_atl2_dd_rms vs Slug, Sign Corrected



Right In: 3241.770+/-0.599 χ^2/NDF: 2187393.2/26

Left Out: 4124.485+/-0.690 χ^2/NDF:969929.3/23

Right Out: 3037.400+/-0.554 χ^2/NDF: 3681182.1/30

Left In: 4093.066+/-0.689 χ^2/NDF:1162851.8/22

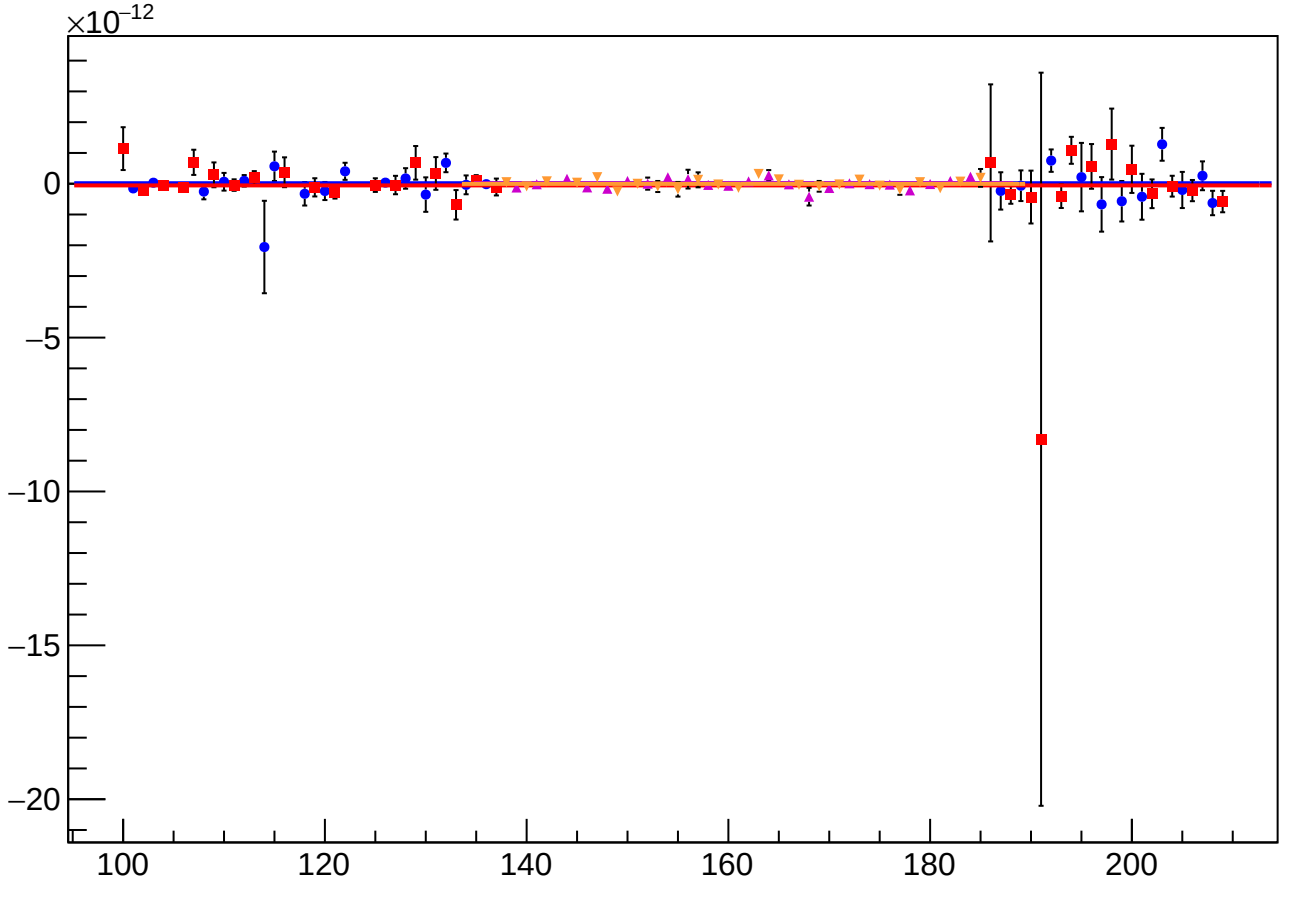
Left: 4108.753+/-0.487 χ^2/NDF: 2133819.7/46

Right: 3131.550+/-0.407 χ^2/NDF: 5931361.4/57

In: 3608.300+/-0.452 χ^2/NDF:4219948.5/49

Out: 3463.227+/-0.432 χ^2/NDF:6161615.7/54

All: 3532.443+/-0.312 χ^2/NDF: 10435429.6/



Right In: 0.000+/-0.000 χ^2/NDF: 30.1/26

Left Out: -0.000+/-0.000 χ^2/NDF:24.2/23

Right Out: -0.000+/-0.000 χ^2/NDF: 32.0/30

Left In: 0.000+/-0.000 χ^2/NDF:25.7/22

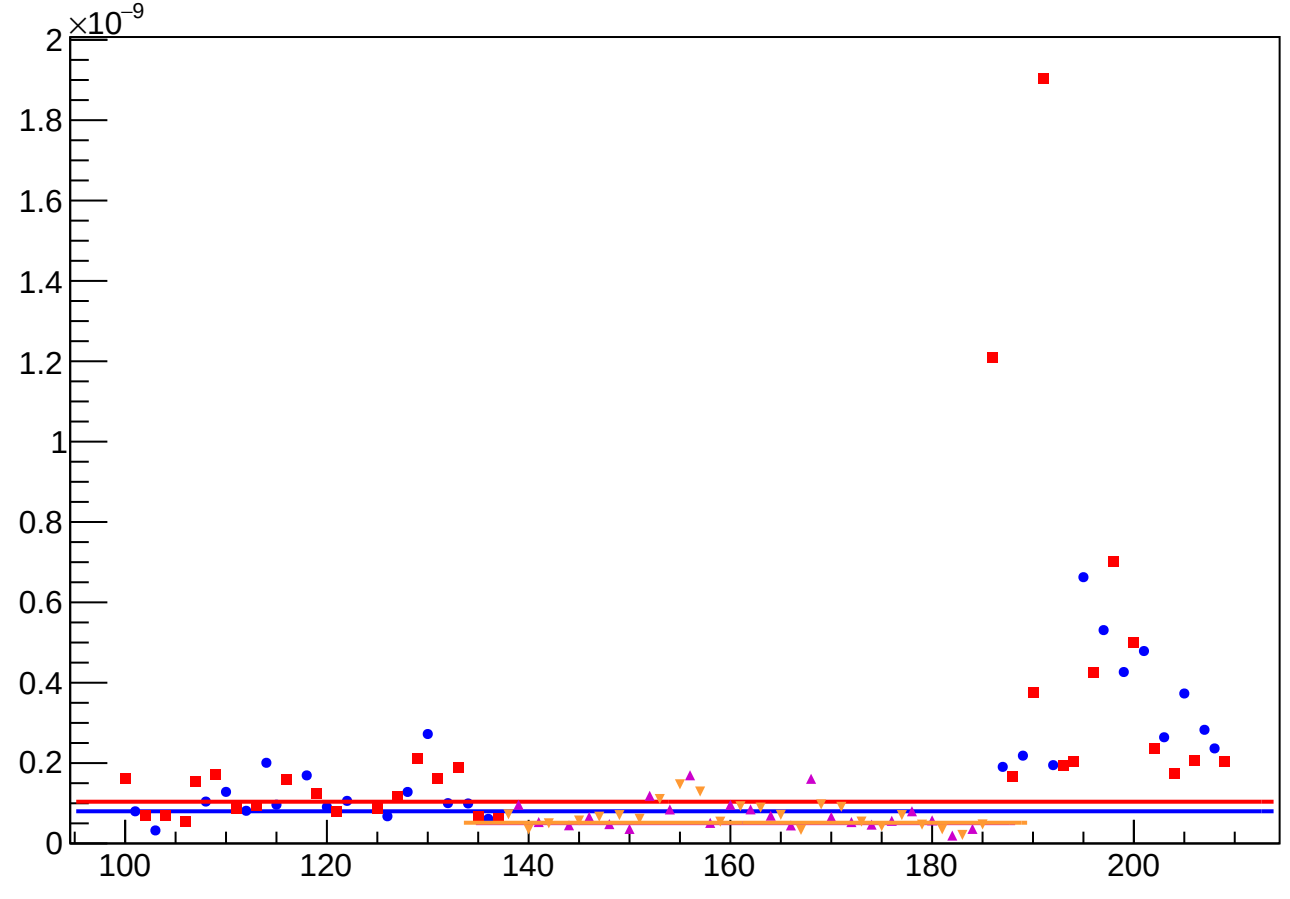
Left: 0.000+/-0.000 χ^2/NDF: 50.4/46

Right: -0.000+/-0.000 χ^2/NDF: 63.2/57

In: 0.000+/-0.000 χ^2/NDF:55.8/49

Out: -0.000+/-0.000 χ^2/NDF:57.0/54

All: 0.000+/-0.000 χ^2/NDF: 114.0/104



Right In: 0.000+/-0.000 χ^2/NDF: 5489428.7/26

Left Out: 0.000+/-0.000 χ^2/NDF:2269565.3/23

Right Out: 0.000+/-0.000 χ^2/NDF: 3972844.4/30

Left In: 0.000+/-0.000 χ^2/NDF:2433650.3/22

Left: 0.000+/-0.000 χ^2/NDF: 4705429.8/46

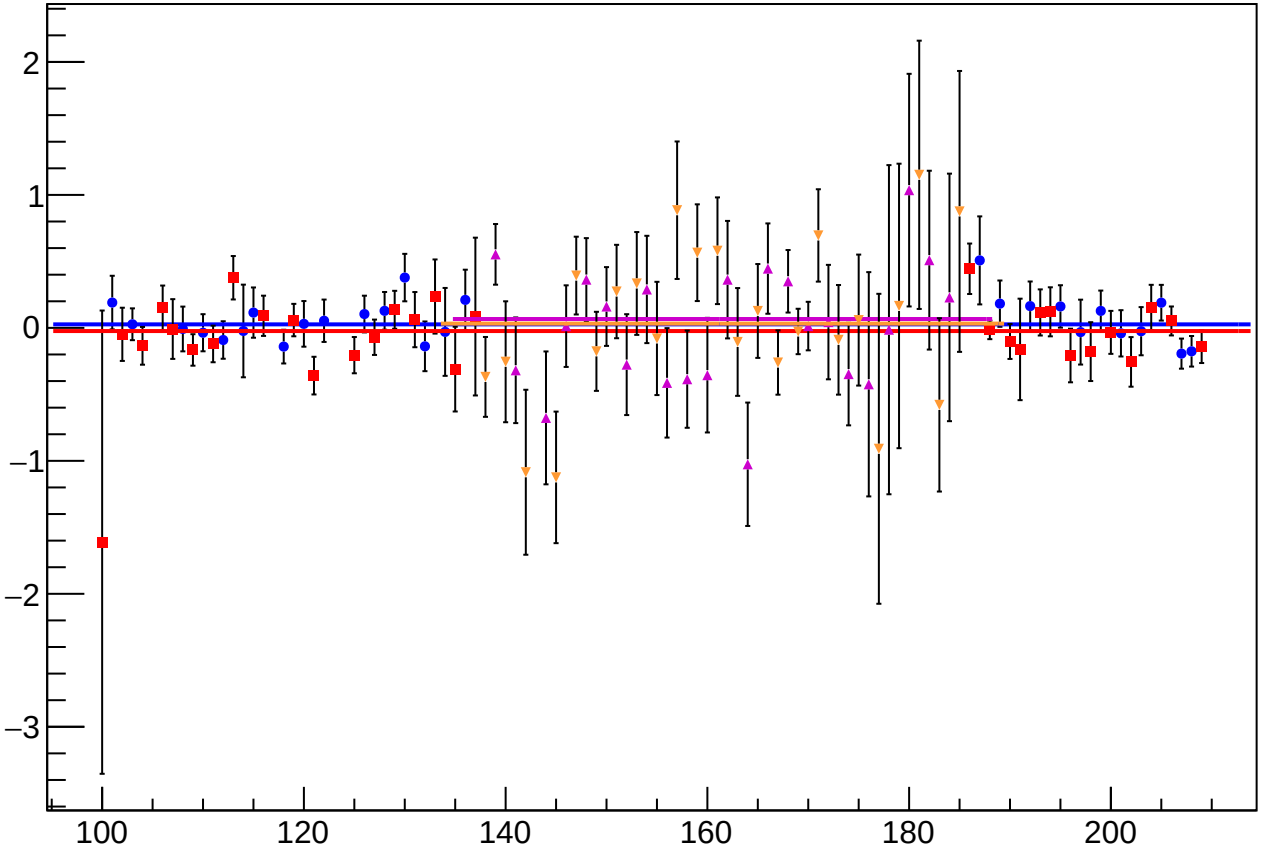
Right: 0.000+/-0.000 χ^2/NDF: 9729532.3/57

In: 0.000+/-0.000 χ^2/NDF:8684597.0/49

Out: 0.000+/-0.000 χ^2/NDF:8112008.2/54

All: 0.000+/-0.000 χ^2/NDF: 16830675.8/104

asym_usl_atl2_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.026+/-0.031 χ^2/NDF: 23.1/26

Left Out: 0.032+/-0.076 χ^2/NDF:29.7/23

Right Out: -0.024+/-0.028 χ^2/NDF: 35.4/30

Left In: 0.067+/-0.075 χ^2/NDF:25.7/22

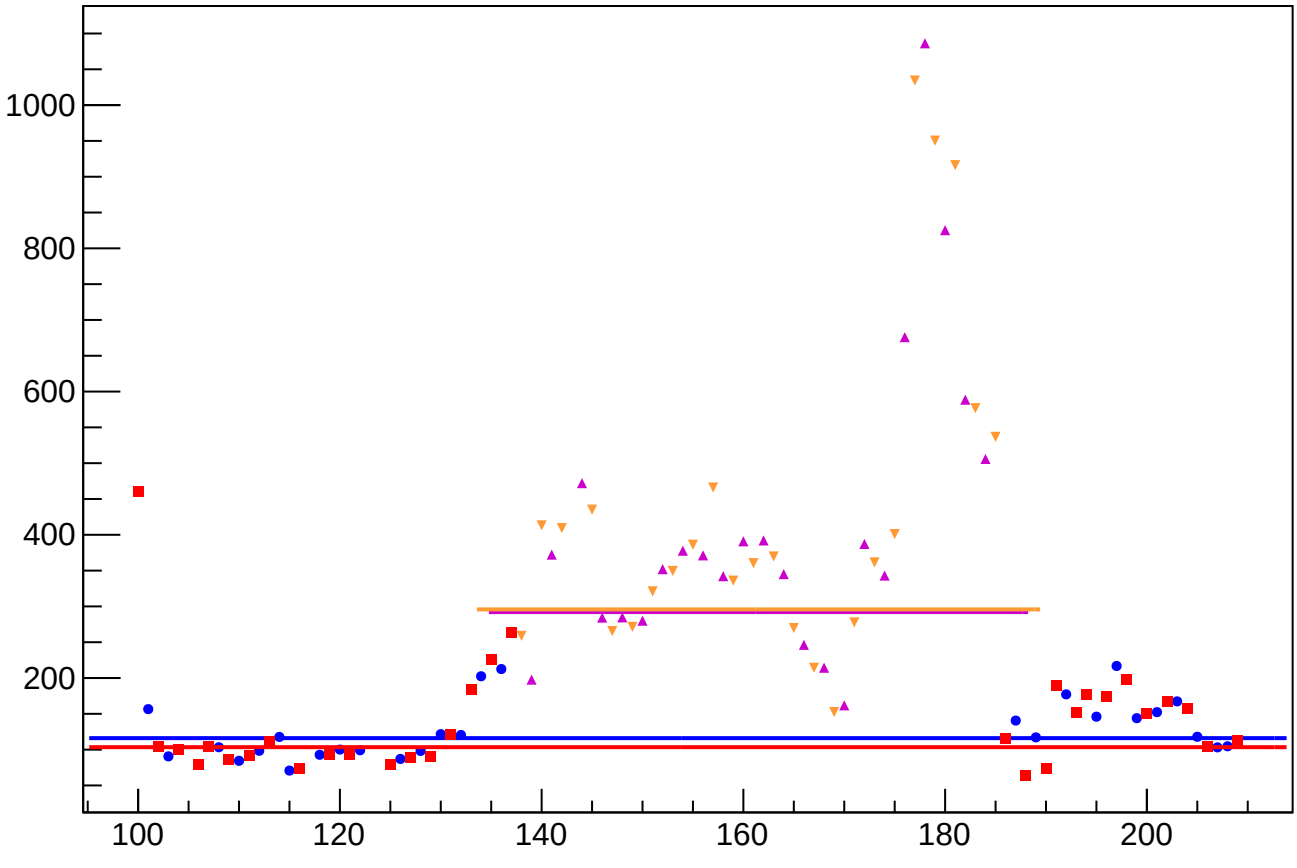
Left: 0.050+/-0.053 χ^2/NDF: 55.5/46

Right: -0.002+/-0.021 χ^2/NDF: 59.9/57

In: 0.032+/-0.029 χ^2/NDF:49.0/49

Out: -0.017+/-0.026 χ^2/NDF:65.6/54

All: 0.005+/-0.019 χ^2/NDF: 116.2/104



Right In: 116.066+/-0.022 χ^2/NDF: 2160811.6/26

Left Out: 295.798+/-0.054 χ^2/NDF:5501077.8/23

Right Out: 103.421+/-0.019 χ^2/NDF: 3581608.4/30

Left In: 292.100+/-0.053 χ^2/NDF:5055737.7/22

Left: 293.917+/-0.038 χ^2/NDF: 10559224.0/46

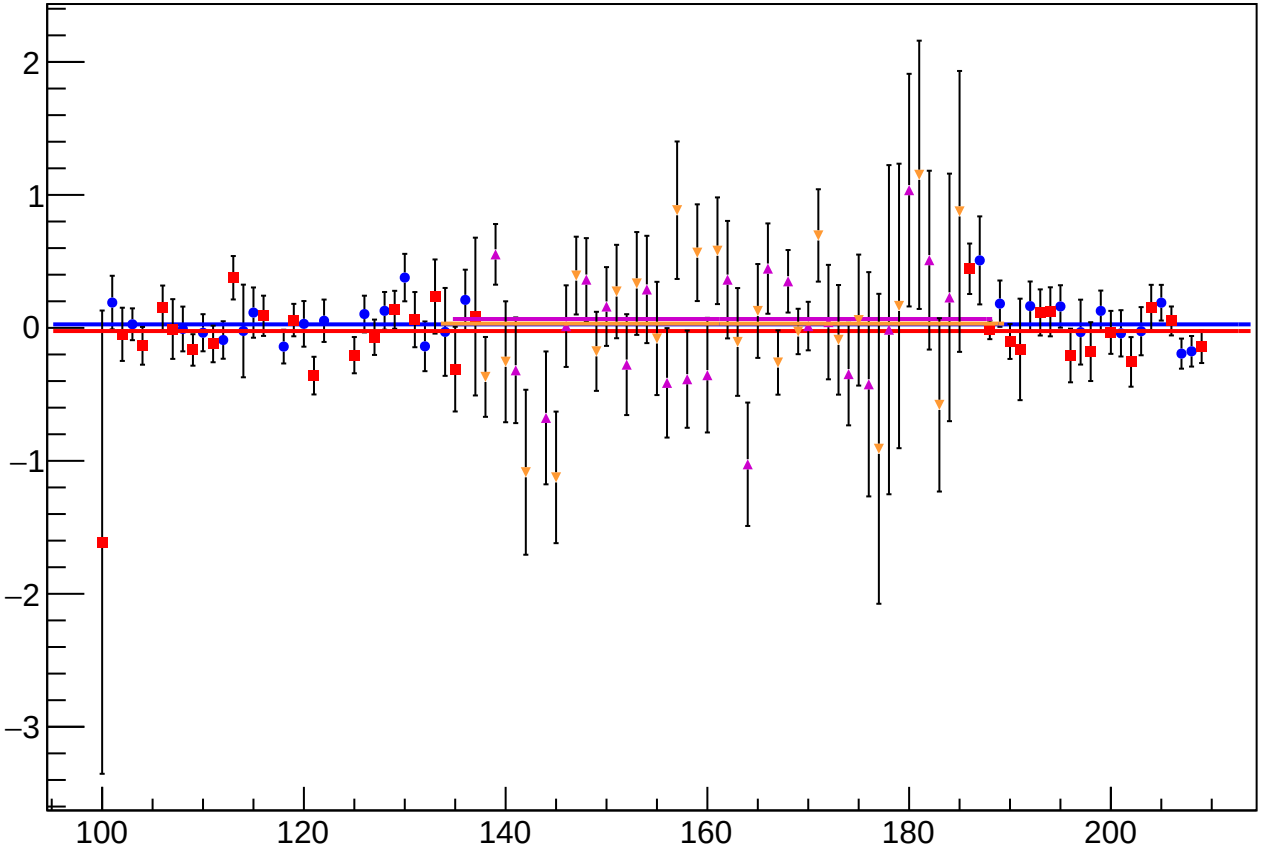
Right: 108.986+/-0.015 χ^2/NDF: 5928104.9/57

In: 141.994+/-0.020 χ^2/NDF:16682063.0/49

Out: 125.733+/-0.018 χ^2/NDF:20409654.4/54

All: 133.034+/-0.014 χ^2/NDF: 37446077.9/10

asym_usl_atl2_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.026+/-0.031 χ^2/NDF: 23.1/26

Left Out: 0.032+/-0.076 χ^2/NDF:29.7/23

Right Out: -0.024+/-0.028 χ^2/NDF: 35.4/30

Left In: 0.067+/-0.075 χ^2/NDF:25.7/22

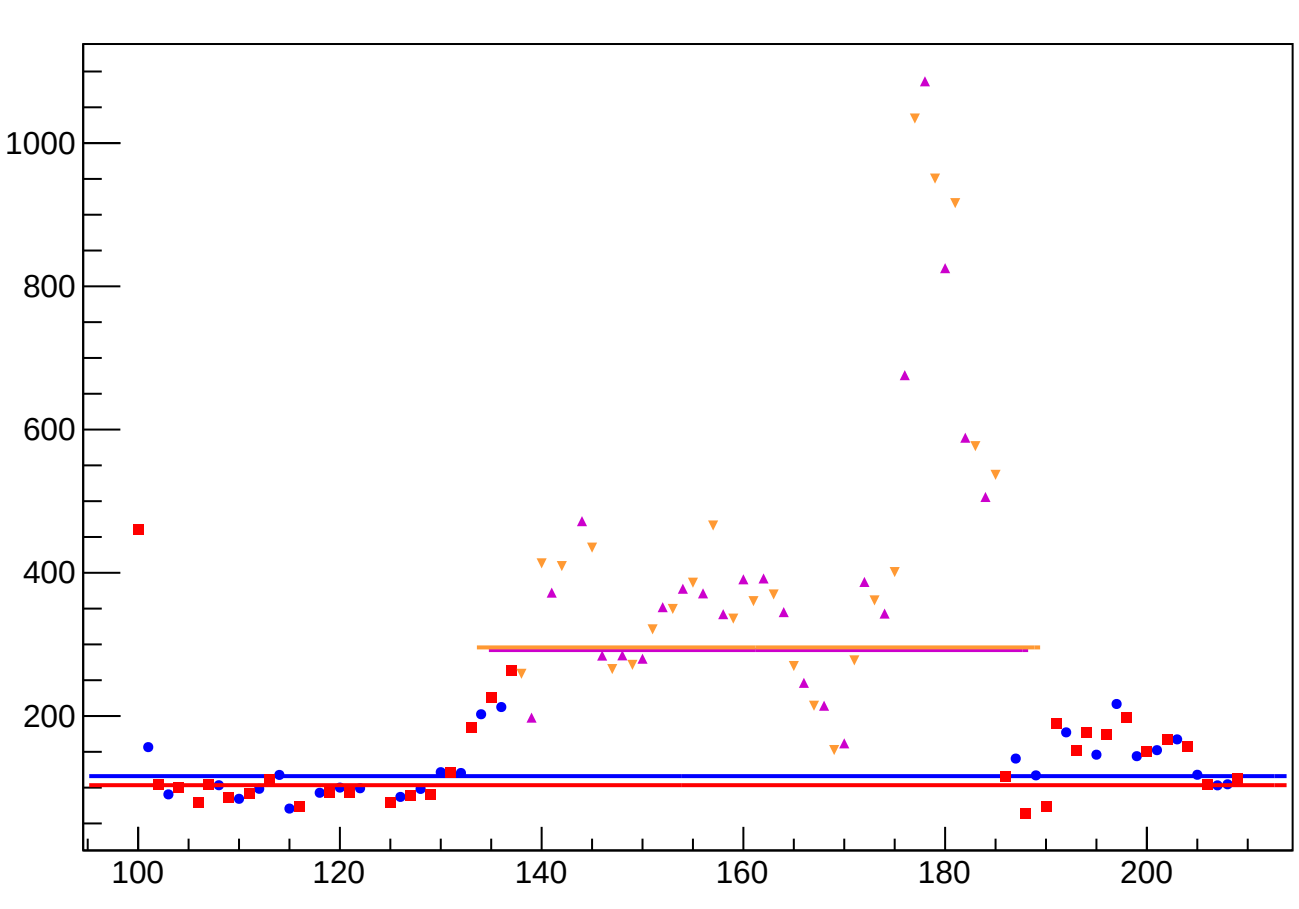
Left: 0.050+/-0.053 χ^2/NDF: 55.5/46

Right: -0.002+/-0.021 χ^2/NDF: 59.9/57

In: 0.032+/-0.029 χ^2/NDF:49.0/49

Out: -0.017+/-0.026 χ^2/NDF:65.6/54

All: 0.005+/-0.019 χ^2/NDF: 116.2/104



Right In: 116.066+/-0.022 χ^2/NDF: 2160811.6/26

Left Out: 295.798+/-0.054 χ^2/NDF:5501077.8/23

Right Out: 103.421+/-0.019 χ^2/NDF: 3581608.4/30

Left In: 292.100+/-0.053 χ^2/NDF:5055737.7/22

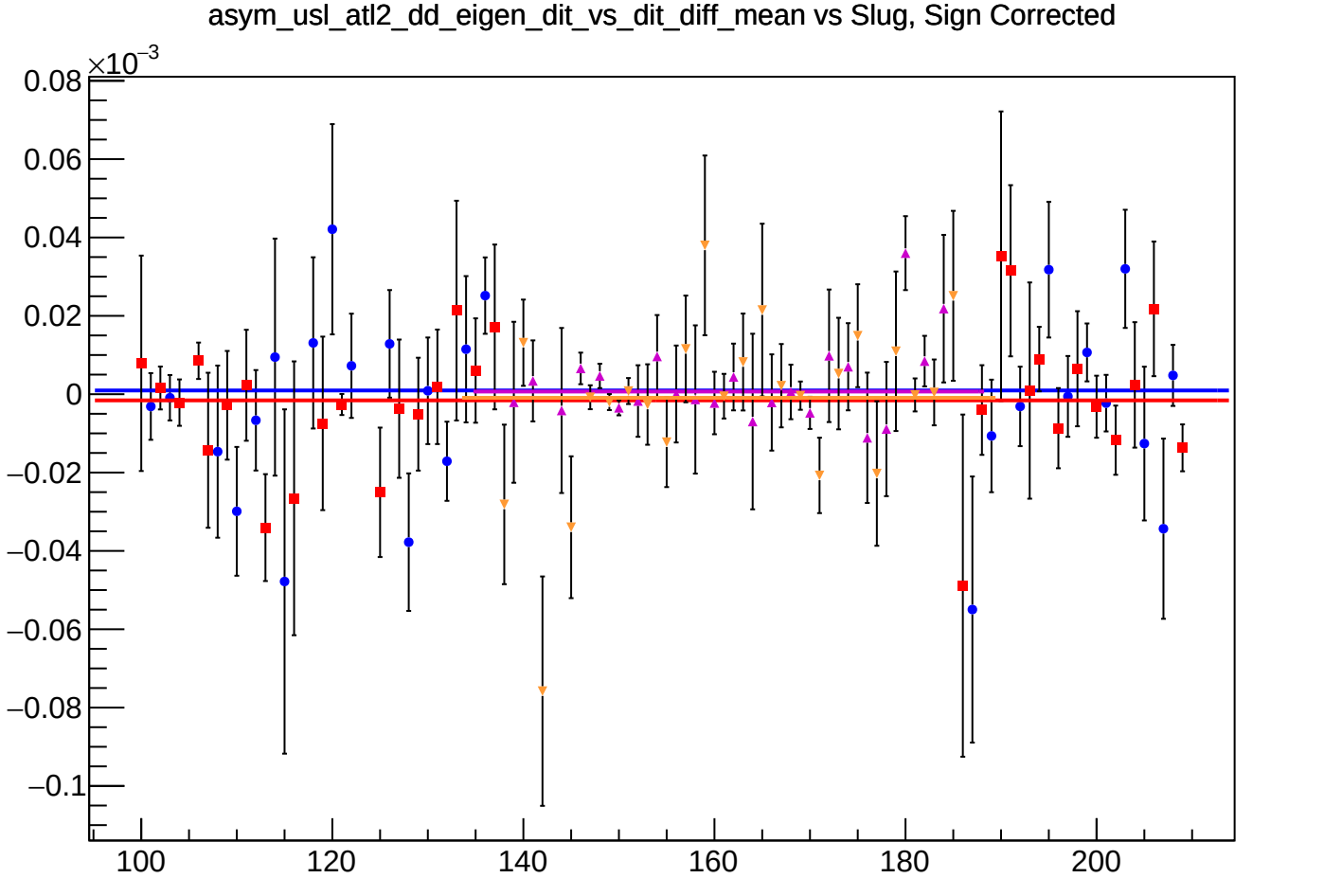
Left: 293.917+/-0.038 χ^2/NDF: 10559224.0/46

Right: 108.986+/-0.015 χ^2/NDF: 5928104.9/57

In: 141.994+/-0.020 χ^2/NDF:16682063.0/49

Out: 125.733+/-0.018 χ^2/NDF:20409654.4/54

All: 133.034+/-0.014 χ^2/NDF: 37446077.9/10



Right In: 0.000+/-0.000 χ^2/NDF: 40.2/26

Left Out: -0.000+/-0.000 χ^2/NDF:29.1/23

Right Out: -0.000+/-0.000 χ^2/NDF: 30.3/30

Left In: 0.000+/-0.000 χ^2/NDF:29.8/22

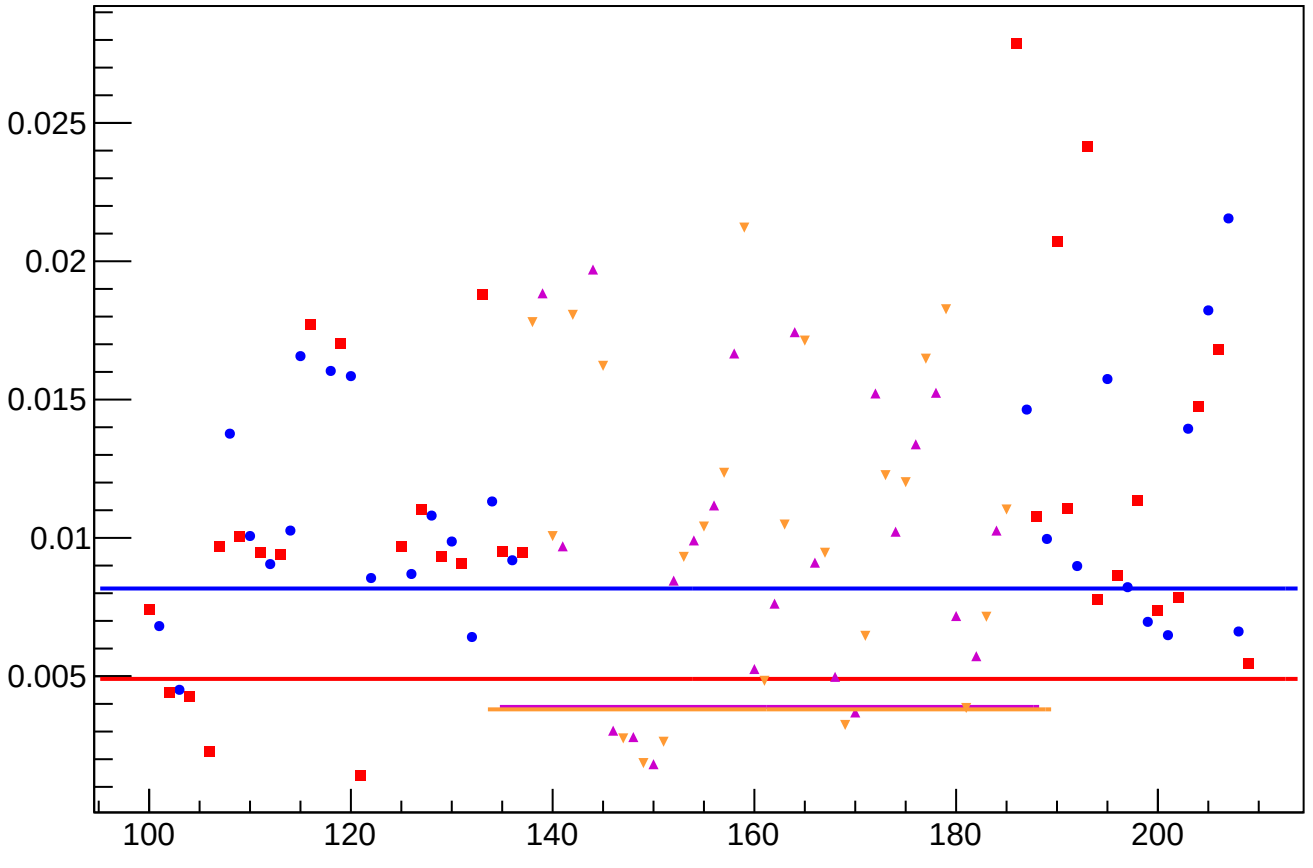
Left: -0.000+/-0.000 χ^2/NDF: 59.8/46

Right: -0.000+/-0.000 χ^2/NDF: 71.3/57

In: 0.000+/-0.000 χ^2/NDF:70.0/49

Out: -0.000+/-0.000 χ^2/NDF:59.5/54

All: -0.000+/-0.000 χ^2/NDF: 131.2/104



Right In: 0.008+/-0.000 χ^2/NDF: 3975897.9/26

Left Out: 0.004+/-0.000 χ^2/NDF:14624926.4/23

Right Out: 0.005+/-0.000 χ^2/NDF: 12999639.9/30

Left In: 0.004+/-0.000 χ^2/NDF:13523554.3/22

Left: 0.004+/-0.000 χ^2/NDF: 28153751.6/46

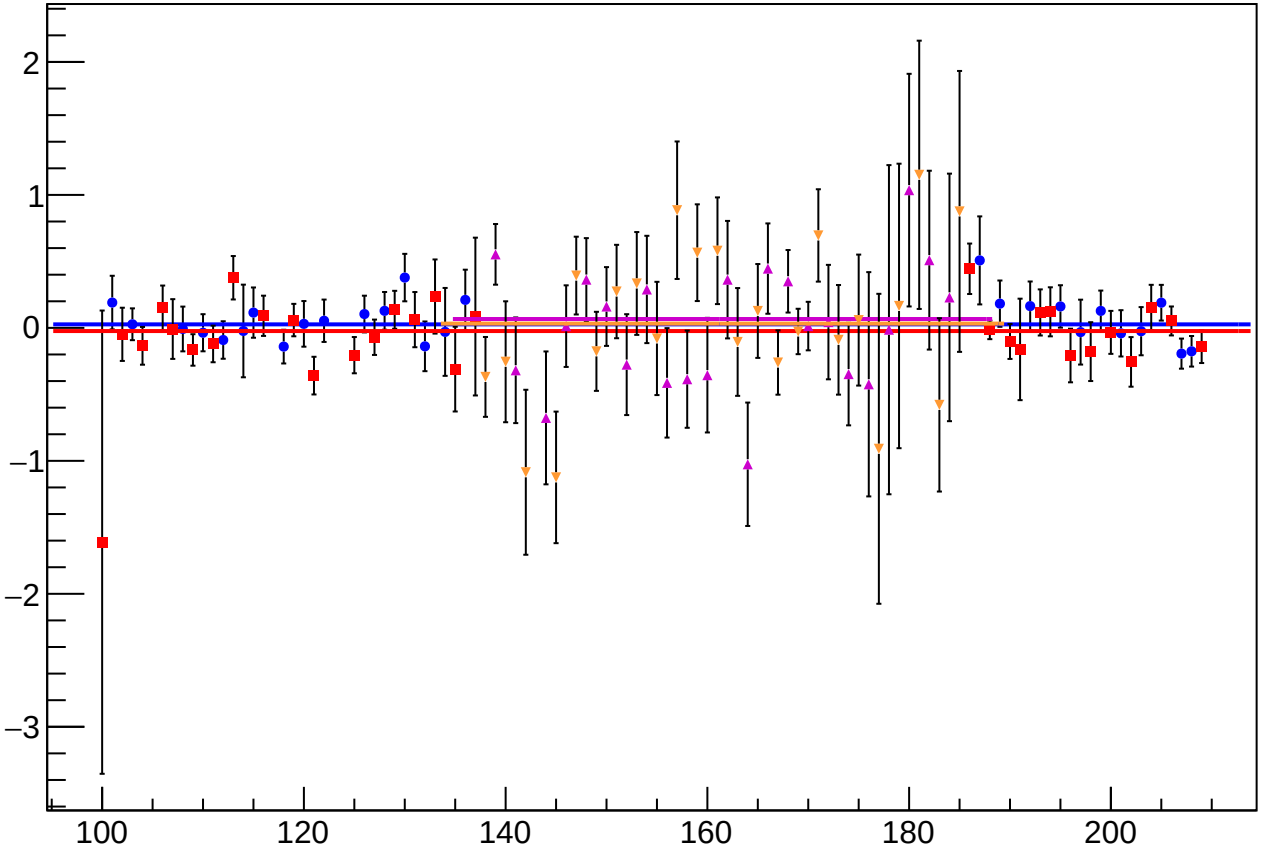
Right: 0.006+/-0.000 χ^2/NDF: 19768568.9/57

In: 0.005+/-0.000 χ^2/NDF:22989379.2/49

Out: 0.004+/-0.000 χ^2/NDF:28242491.5/54

All: 0.004+/-0.000 χ^2/NDF: 51660814.1/104

asym_usl_atl2_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.026+/-0.031 χ^2/NDF: 23.1/26

Left Out: 0.032+/-0.076 χ^2/NDF:29.7/23

Right Out: -0.024+/-0.028 χ^2/NDF: 35.4/30

Left In: 0.067+/-0.075 χ^2/NDF:25.7/22

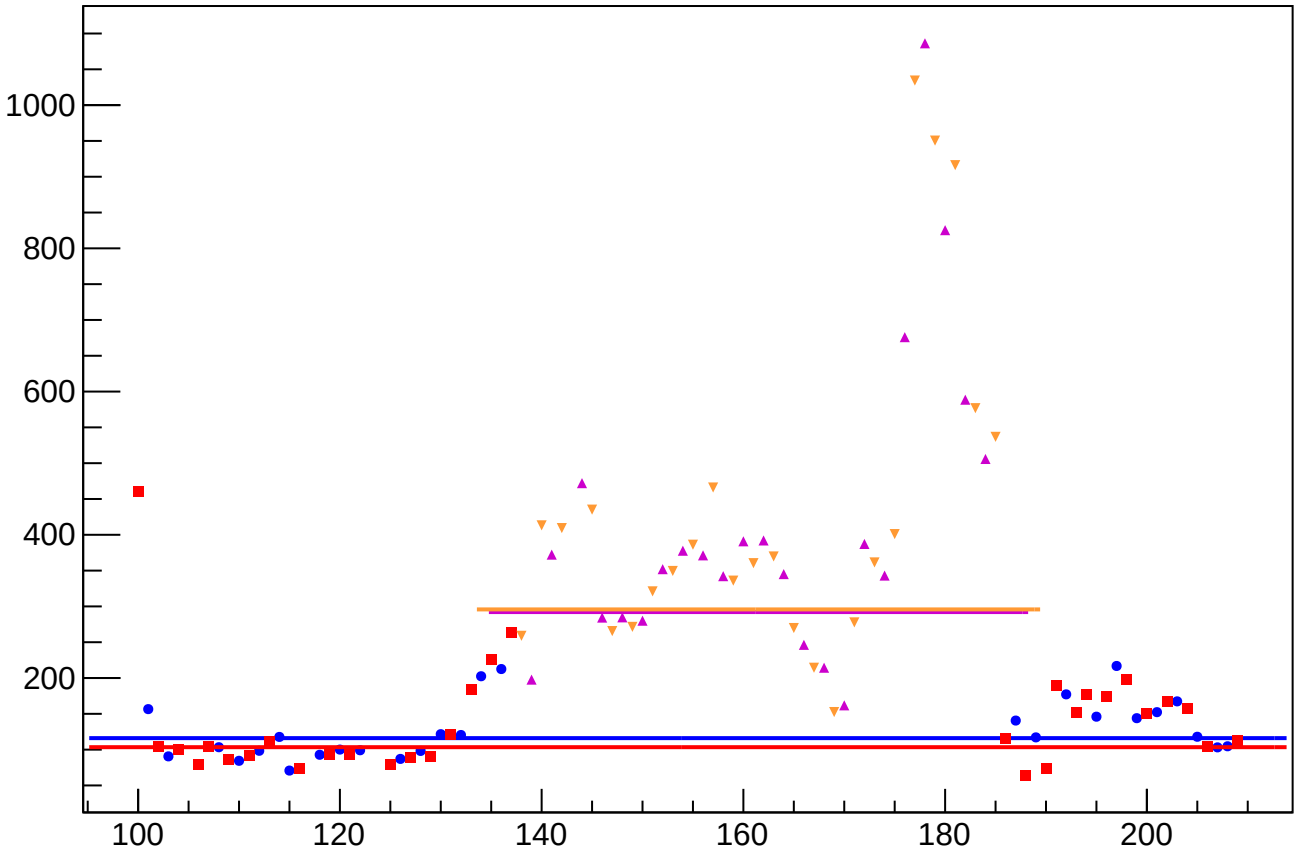
Left: 0.050+/-0.053 χ^2/NDF: 55.5/46

Right: -0.002+/-0.021 χ^2/NDF: 59.9/57

In: 0.032+/-0.029 χ^2/NDF:49.0/49

Out: -0.017+/-0.026 χ^2/NDF:65.6/54

All: 0.005+/-0.019 χ^2/NDF: 116.2/104



Right In: 116.067+/-0.022 χ^2/NDF: 2160767.6/26

Left Out: 295.800+/-0.054 χ^2/NDF:5501139.3/23

Right Out: 103.420+/-0.019 χ^2/NDF: 3581792.3/30

Left In: 292.103+/-0.053 χ^2/NDF:5055695.7/22

Left: 293.920+/-0.038 χ^2/NDF: 10559241.5/46

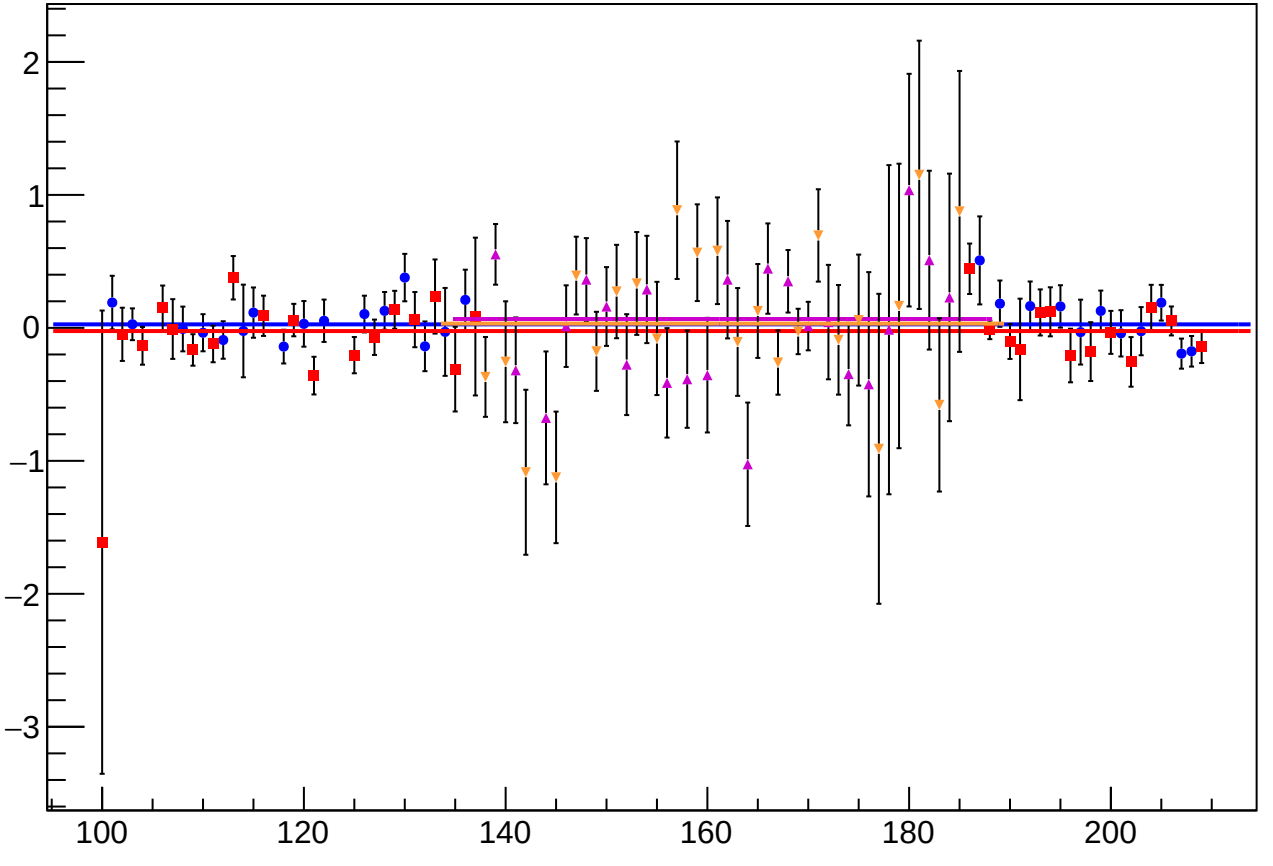
Right: 108.985+/-0.015 χ^2/NDF: 5928295.4/57

In: 141.995+/-0.020 χ^2/NDF:16682095.9/49

Out: 125.732+/-0.018 χ^2/NDF:20410136.2/54

All: 133.033+/-0.014 χ^2/NDF: 37446681.8/10

asym_usl_atl2_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.026+/-0.031 χ^2/NDF: 23.1/26

Left Out: 0.032+/-0.076 χ^2/NDF:29.7/23

Right Out: -0.024+/-0.028 χ^2/NDF: 35.4/30

Left In: 0.067+/-0.075 χ^2/NDF:25.7/22

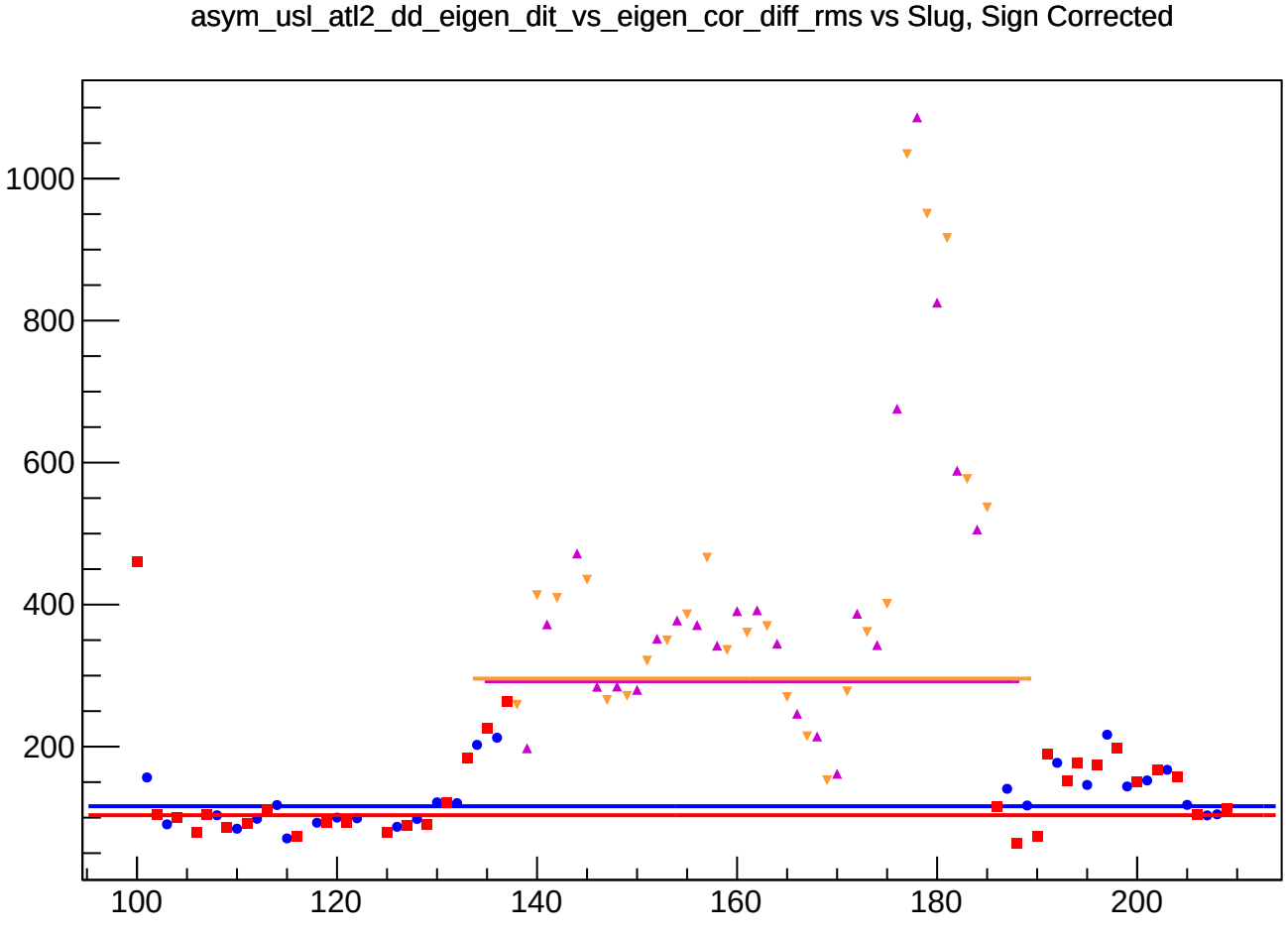
Left: 0.050+/-0.053 χ^2/NDF: 55.5/46

Right: -0.002+/-0.021 χ^2/NDF: 59.9/57

In: 0.032+/-0.029 χ^2/NDF:49.0/49

Out: -0.017+/-0.026 χ^2/NDF:65.6/54

All: 0.005+/-0.019 χ^2/NDF: 116.2/104



Right In: 116.067+/-0.022 χ^2/NDF: 2160767.6/26

Left Out: 295.800+/-0.054 χ^2/NDF:5501139.3/23

Right Out: 103.420+/-0.019 χ^2/NDF: 3581792.3/30

Left In: 292.103+/-0.053 χ^2/NDF:5055695.7/22

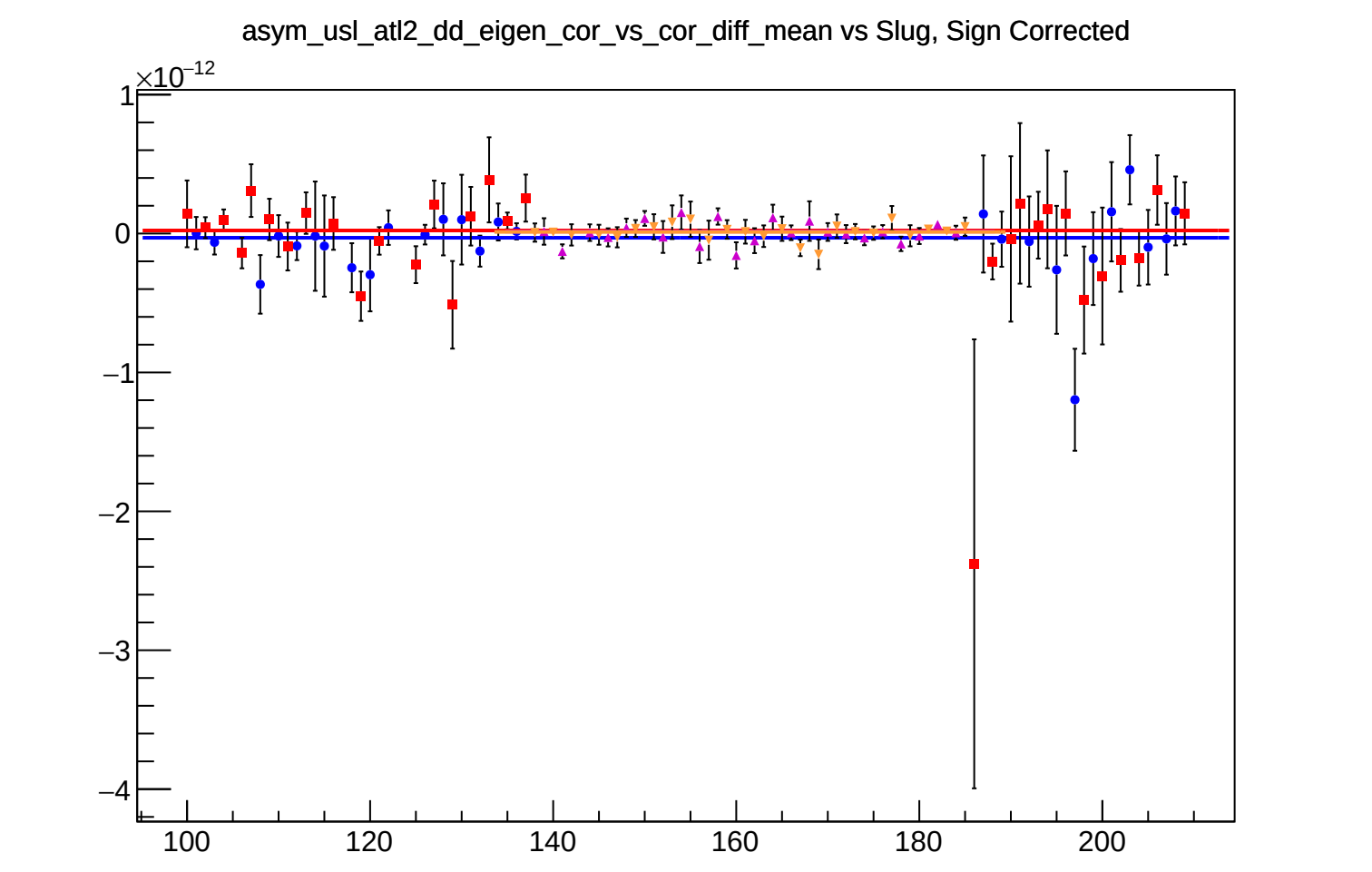
Left: 293.920+/-0.038 χ^2/NDF: 10559241.5/46

Right: 108.985+/-0.015 χ^2/NDF: 5928295.4/57

In: 141.995+/-0.020 χ^2/NDF:16682095.9/49

Out: 125.732+/-0.018 χ^2/NDF:20410136.2/54

All: 133.033+/-0.014 χ^2/NDF: 37446681.8/10



Right In: -0.000+/-0.000 χ^2/NDF: 24.1/26

Left Out: 0.000+/-0.000 χ^2/NDF:10.6/23

Right Out: 0.000+/-0.000 χ^2/NDF: 38.7/30

Left In: 0.000+/-0.000 χ^2/NDF:30.9/22

Left: 0.000+/-0.000 χ^2/NDF: 41.5/46

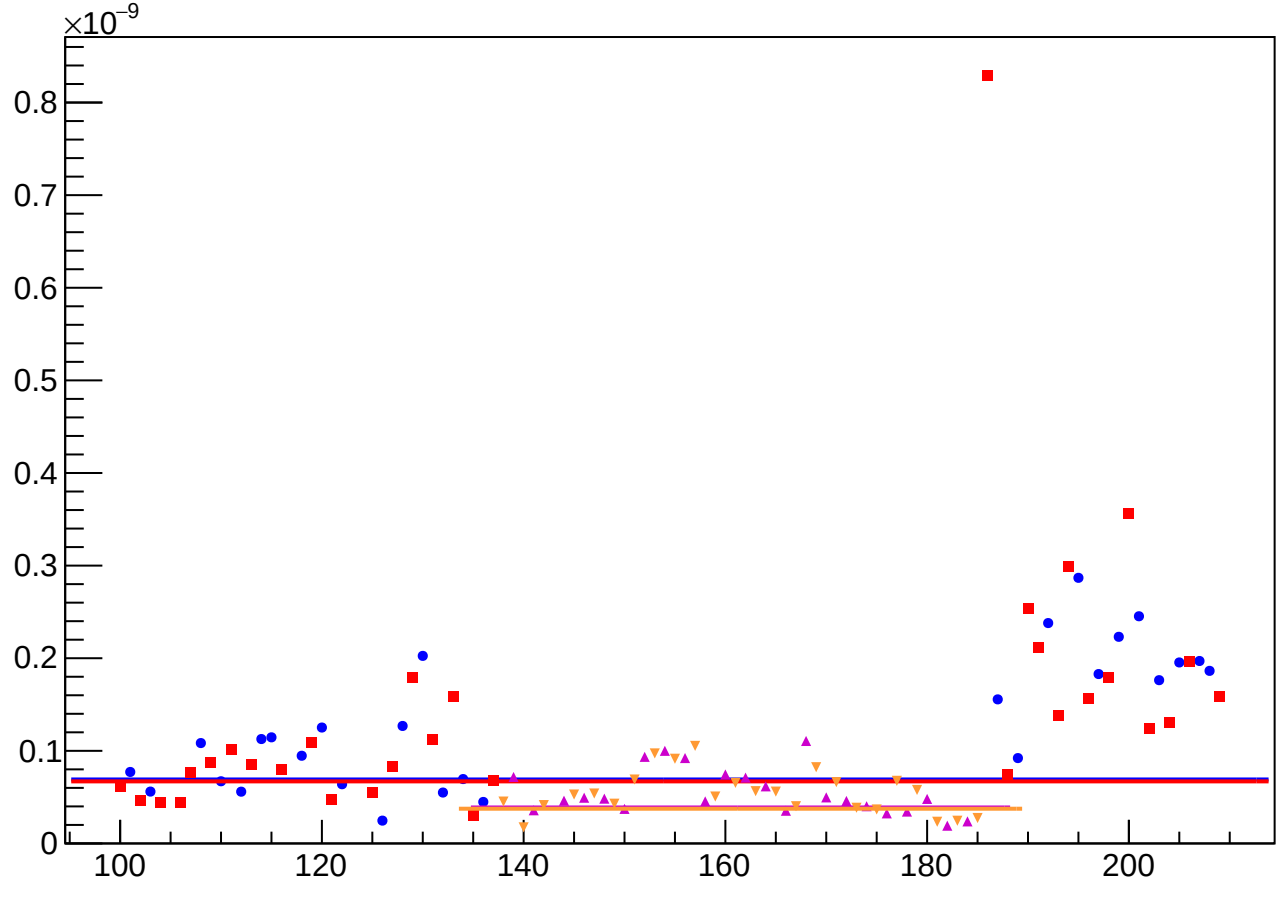
Right: -0.000+/-0.000 χ^2/NDF: 64.7/57

In: 0.000+/-0.000 χ^2/NDF:57.2/49

Out: 0.000+/-0.000 χ^2/NDF:49.5/54

All: 0.000+/-0.000 χ^2/NDF: 106.8/104

asym_usl_atl2_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 5909801.9/26

Left Out: 0.000+/-0.000 χ^2/NDF:4983727.4/23

Right Out: 0.000+/-0.000 χ^2/NDF: 5867579.4/30

Left In: 0.000+/-0.000 χ^2/NDF:4577795.4/22

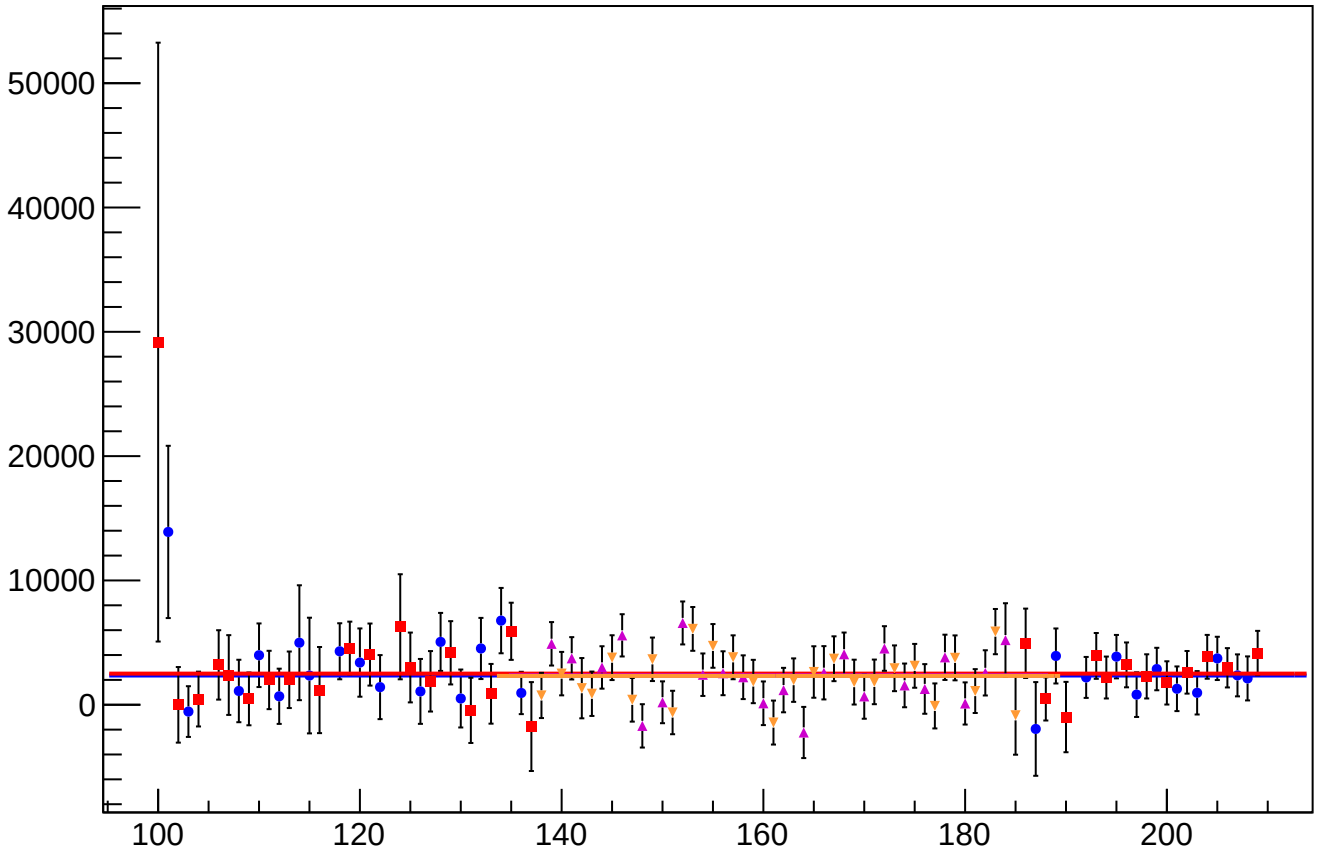
Left: 0.000+/-0.000 χ^2/NDF: 9574010.5/46

Right: 0.000+/-0.000 χ^2/NDF: 11783089.8/57

In: 0.000+/-0.000 χ^2/NDF:12454071.3/49

Out: 0.000+/-0.000 χ^2/NDF:12887130.8/54

All: 0.000+/-0.000 χ^2/NDF: 25352653.1/104



Right In: 2353.283+/-415.977 χ^2/NDF: 18.9/26

Left Out: 2321.067+/-366.301 χ^2/NDF:27.5/24

Right Out: 2504.825+/-399.787 χ^2/NDF: 18.2/30

Left In: 2370.629+/-376.798 χ^2/NDF:33.7/22

Left: 2345.148+/-262.646 χ^2/NDF: 61.2/47

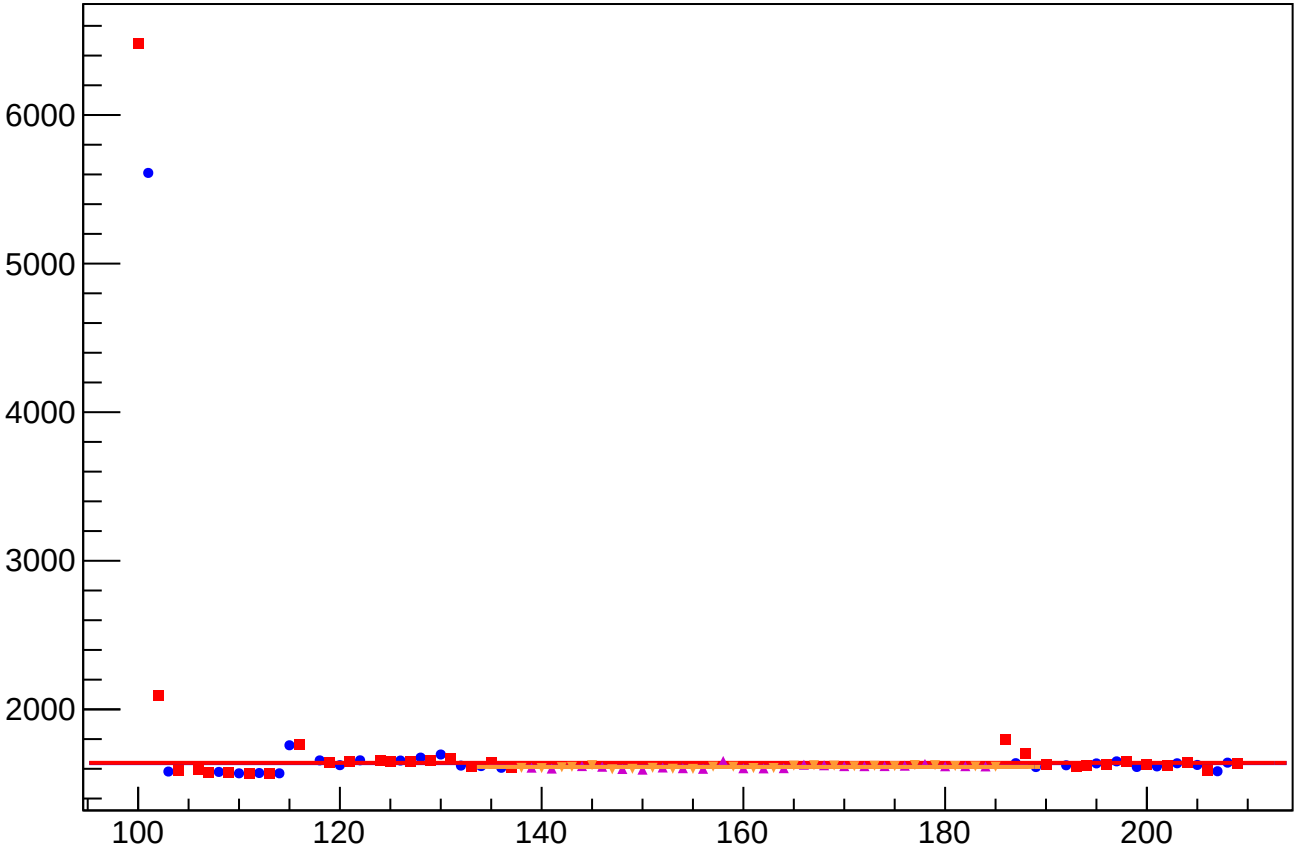
Right: 2432.060+/-288.246 χ^2/NDF: 37.1/57

In: 2362.811+/-279.263 χ^2/NDF:52.6/49

Out: 2404.929+/-270.078 χ^2/NDF:45.8/55

All: 2384.574+/-194.140 χ^2/NDF: 98.4/105

reg_asym_usr_atr1_avg_rms vs Slug, Sign Corrected



Right In: 1638.354+/-0.294 χ^2/NDF: 671420.0/26

Left Out: 1612.607+/-0.259 χ^2/NDF:1172.5/24

Right Out: 1640.072+/-0.283 χ^2/NDF: 148647.3/30

Left In: 1613.793+/-0.266 χ^2/NDF:2354.6/22

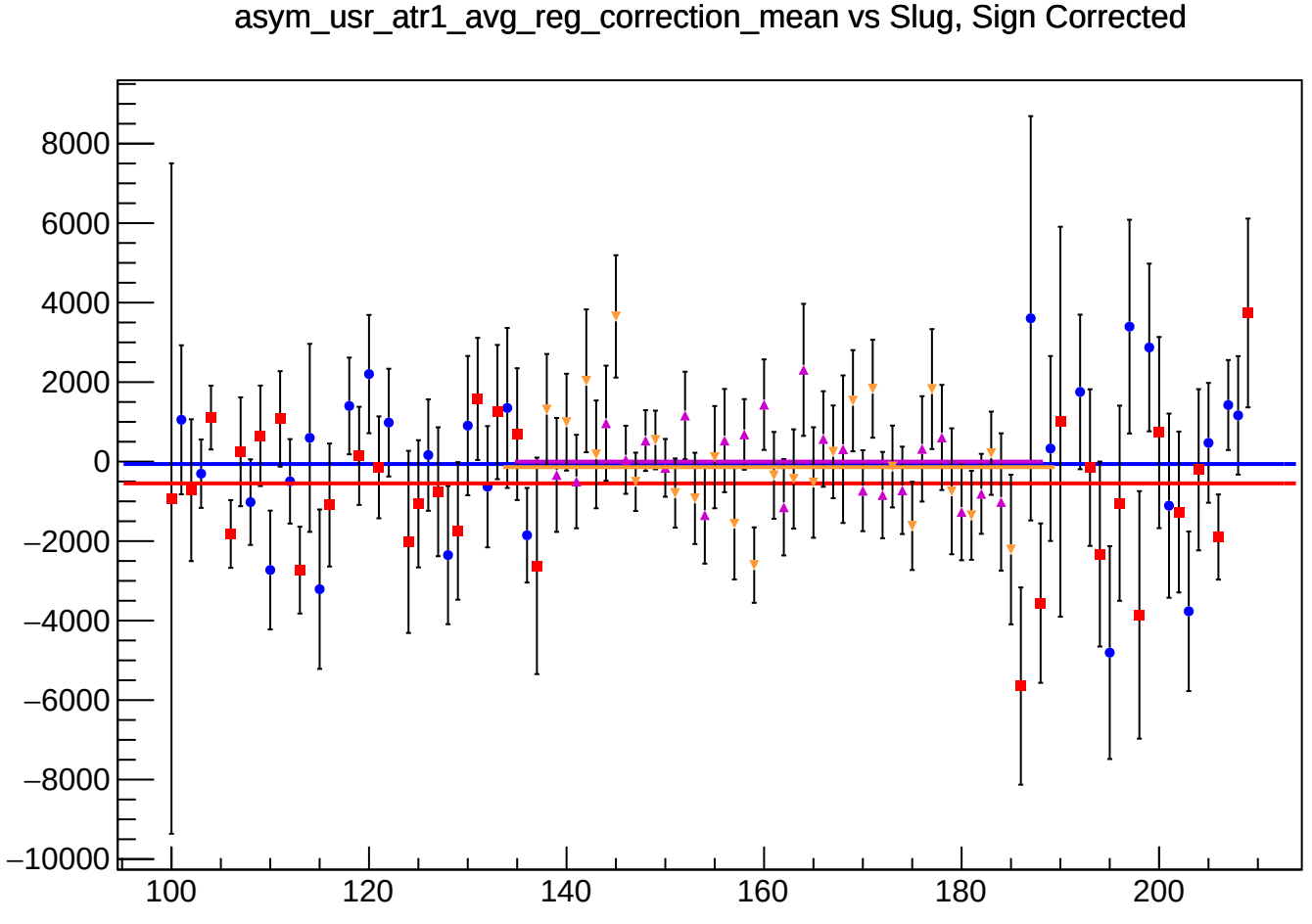
Left: 1613.183+/-0.186 χ^2/NDF: 3537.3/47

Right: 1639.247+/-0.204 χ^2/NDF: 820085.0/57

In: 1624.863+/-0.197 χ^2/NDF:677604.4/49

Out: 1625.141+/-0.191 χ^2/NDF:154950.9/55

All: 1625.007+/-0.137 χ^2/NDF: 832556.4/105



Right In: -60.766+/-293.935 χ^2/NDF: 30.7/26

Left Out: -139.022+/-229.126 χ^2/NDF:30.2/24

Right Out: -547.774+/-276.468 χ^2/NDF: 33.0/30

Left In: -0.092+/-231.903 χ^2/NDF:12.9/22

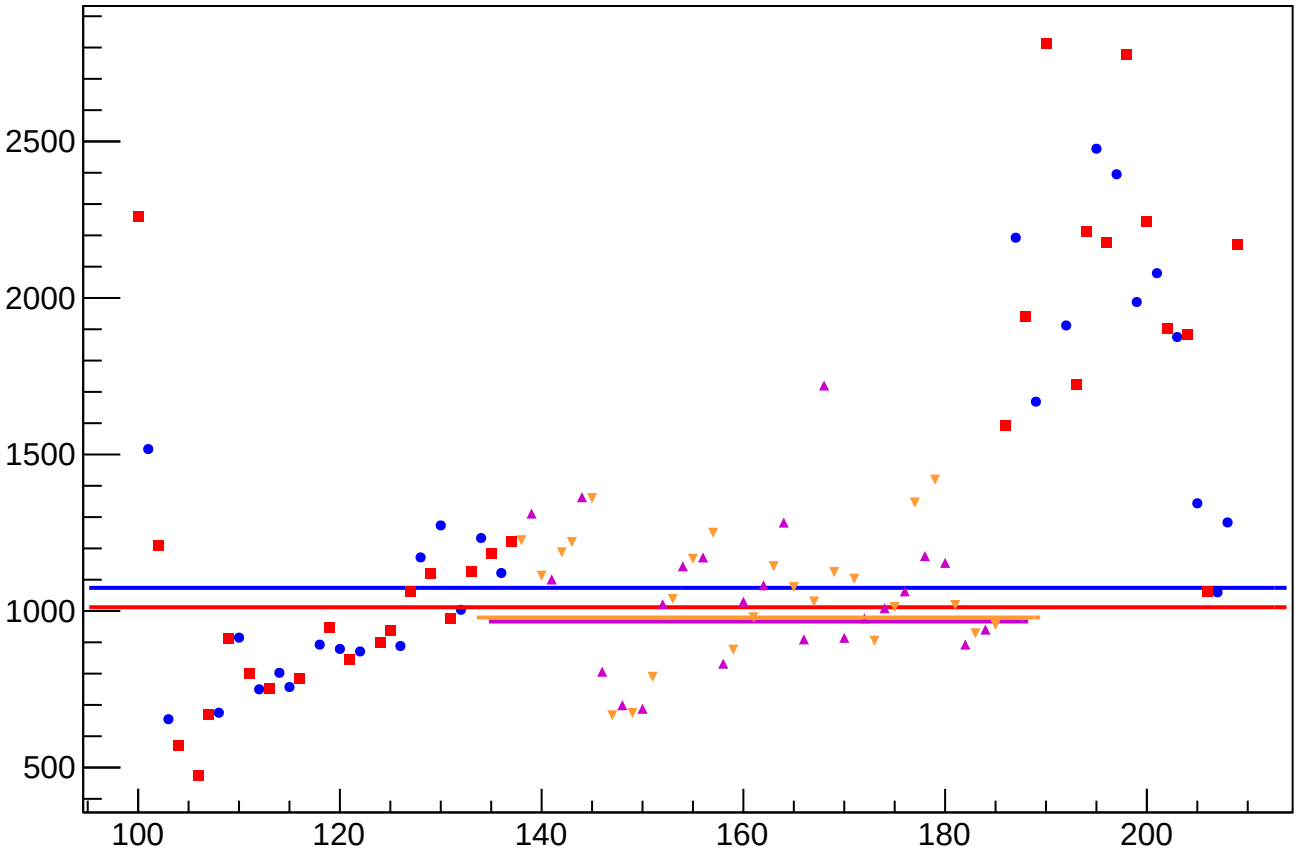
Left: -70.394+/-162.990 χ^2/NDF: 43.2/47

Right: -319.169+/-201.384 χ^2/NDF: 65.1/57

In: -23.370+/-182.062 χ^2/NDF:43.6/49

Out: -305.456+/-176.416 χ^2/NDF:64.4/55

All: -168.855+/-126.694 χ^2/NDF: 109.2/105



Right In: 1074.039+/-0.208 χ^2/NDF: 4163011.6/26

Left Out: 979.294+/-0.162 χ^2/NDF:1630623.2/24

Right Out: 1012.040+/-0.195 χ^2/NDF: 6388840.4/30

Left In: 966.526+/-0.164 χ^2/NDF:1602596.2/22

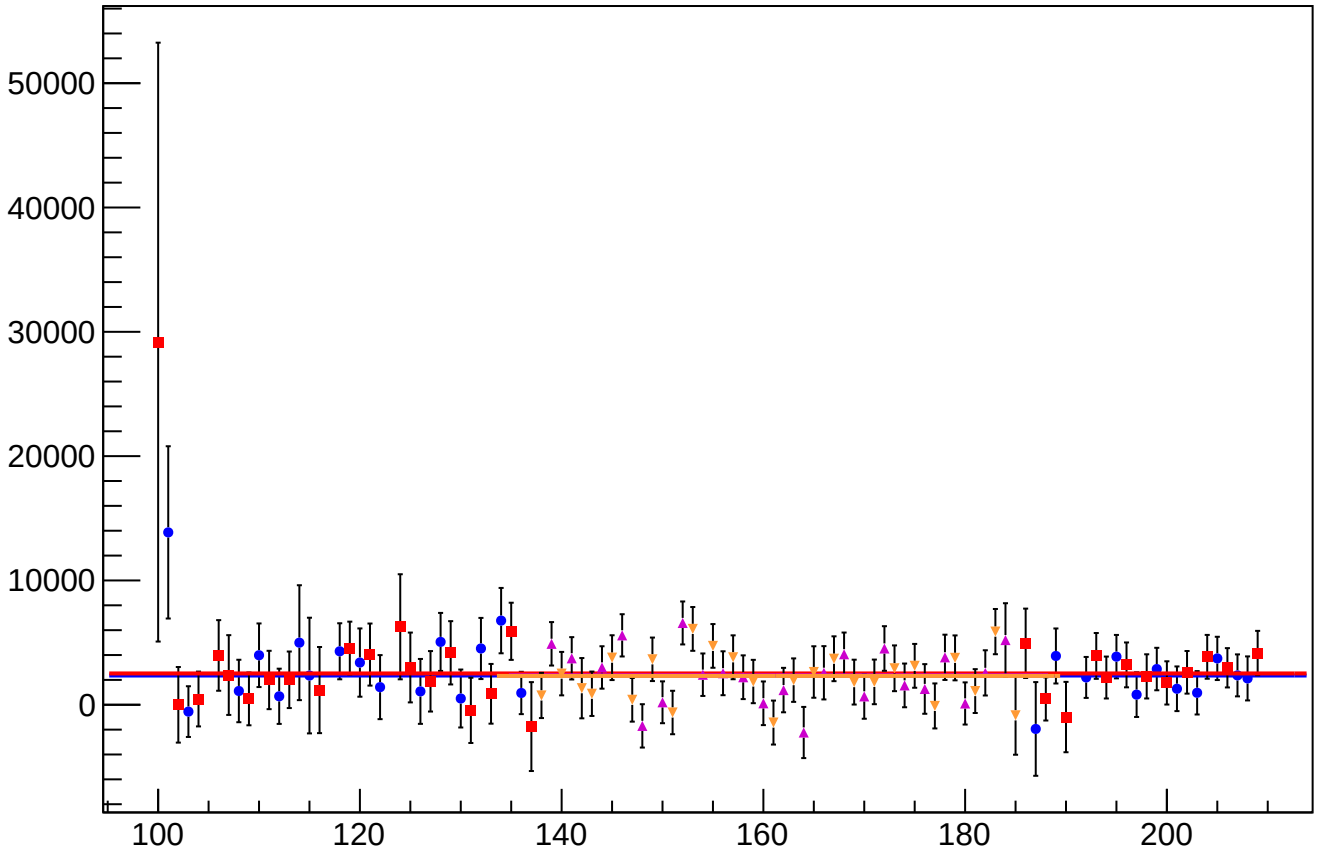
Left: 972.987+/-0.115 χ^2/NDF: 3236287.4/47

Right: 1041.143+/-0.142 χ^2/NDF: 10599065.5/57

In: 1007.774+/-0.129 χ^2/NDF:5930530.2/49

Out: 992.628+/-0.125 χ^2/NDF:8036096.3/55

All: 999.962+/-0.090 χ^2/NDF: 13973765.4/10



Right In: 2353.051+/-415.977 χ^2/NDF: 18.9/26

Left Out: 2321.025+/-366.301 χ^2/NDF:27.5/24

Right Out: 2519.575+/-399.928 χ^2/NDF: 18.3/30

Left In: 2370.700+/-376.798 χ^2/NDF:33.7/22

Left: 2345.161+/-262.646 χ^2/NDF: 61.2/47

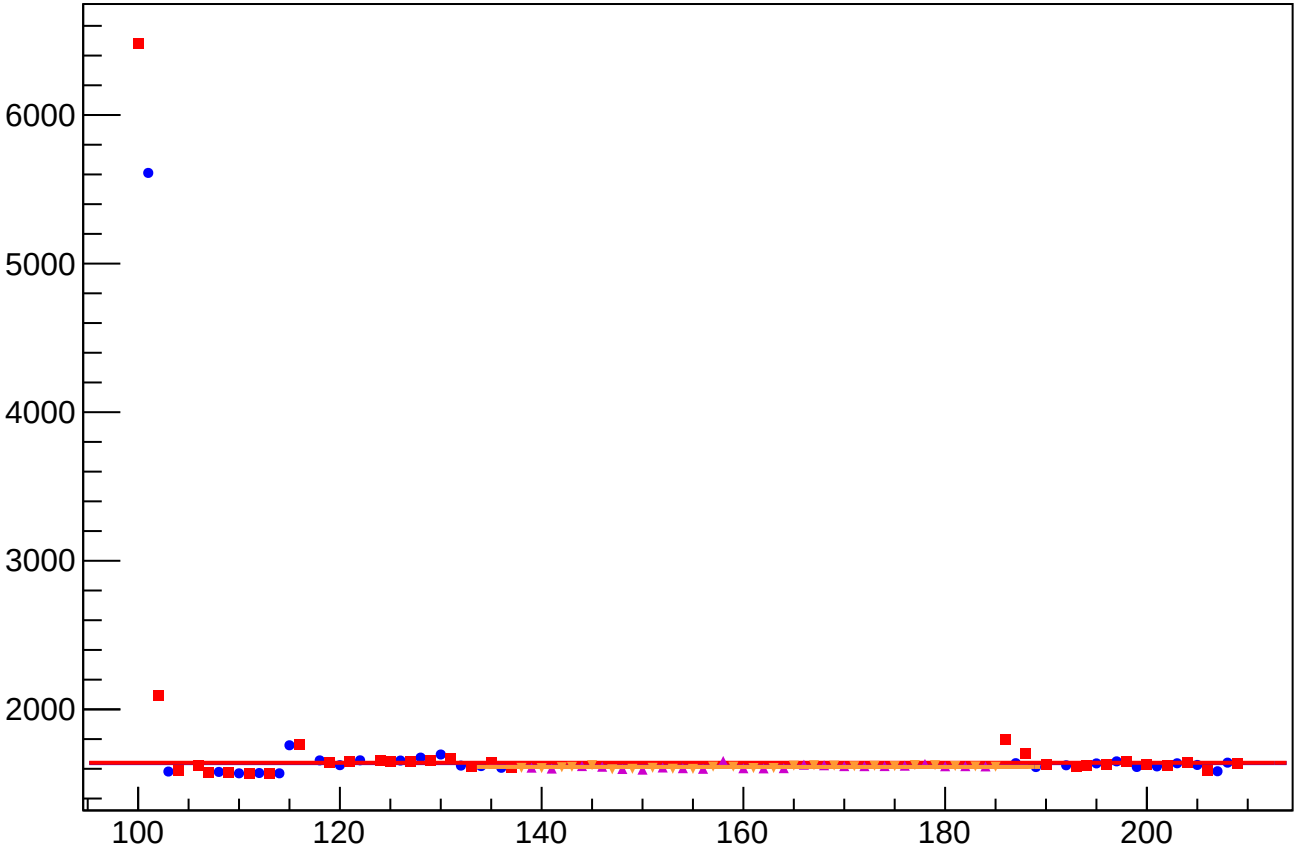
Right: 2439.587+/-288.298 χ^2/NDF: 37.3/57

In: 2362.745+/-279.263 χ^2/NDF:52.6/49

Out: 2411.603+/-270.121 χ^2/NDF:46.0/55

All: 2387.987+/-194.156 χ^2/NDF: 98.6/105

cor_asym_usr_atr1_avg_rms vs Slug, Sign Corrected



Right In: 1638.354+/-0.294 χ^2/NDF: 671419.5/26

Left Out: 1612.607+/-0.259 χ^2/NDF:1172.5/24

Right Out: 1640.630+/-0.283 χ^2/NDF: 148184.8/30

Left In: 1613.793+/-0.266 χ^2/NDF:2354.6/22

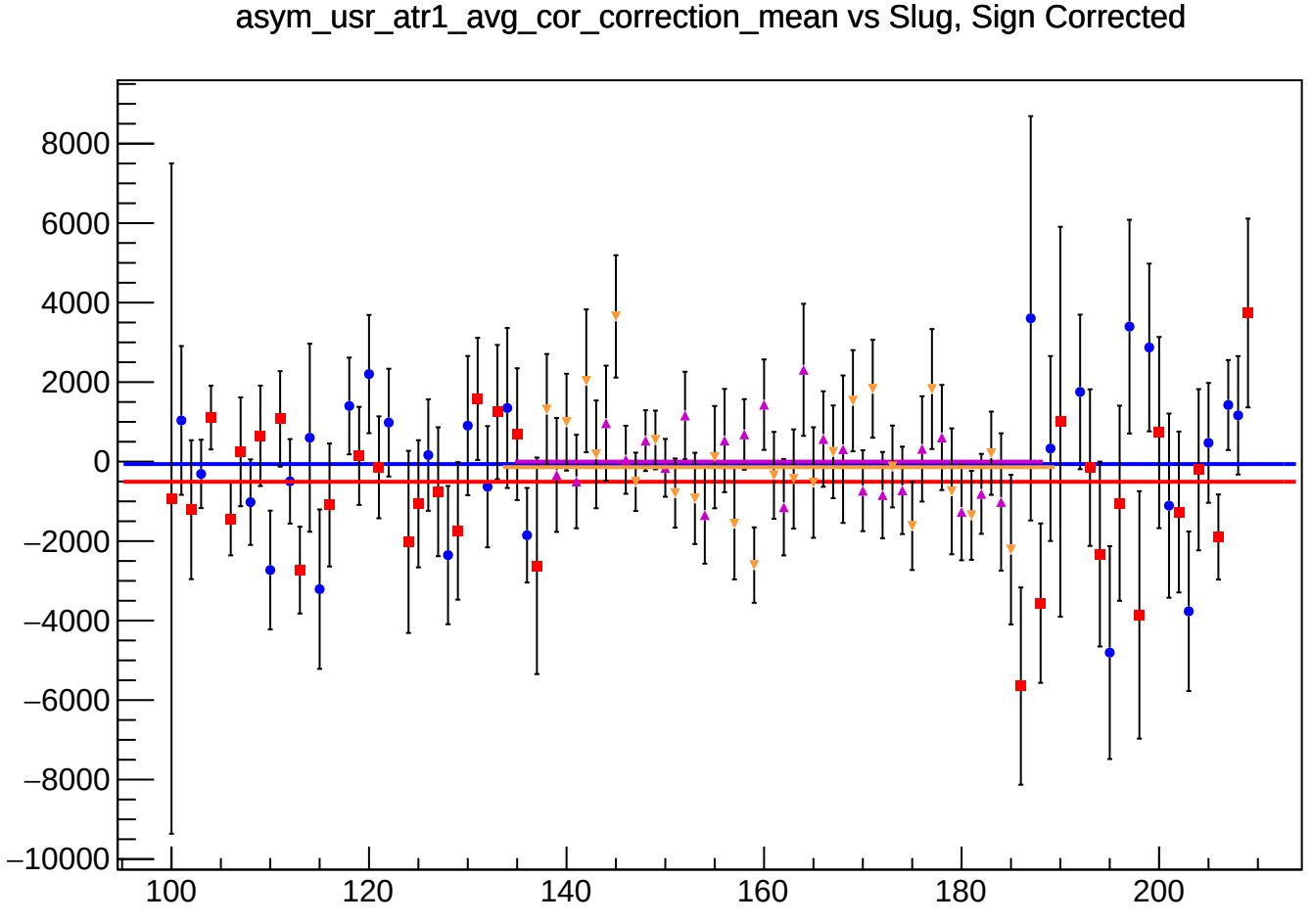
Left: 1613.184+/-0.186 χ^2/NDF: 3537.3/47

Right: 1639.536+/-0.204 χ^2/NDF: 819635.4/57

In: 1624.863+/-0.197 χ^2/NDF:677603.9/49

Out: 1625.391+/-0.191 χ^2/NDF:154697.0/55

All: 1625.136+/-0.137 χ^2/NDF: 832304.6/105



Right In: -61.771+/-293.906 χ^2/NDF: 30.7/26

Left Out: -139.074+/-229.125 χ^2/NDF:30.2/24

Right Out: -507.249+/-278.374 χ^2/NDF: 31.8/30

Left In: -0.068+/-231.904 χ^2/NDF:12.9/22

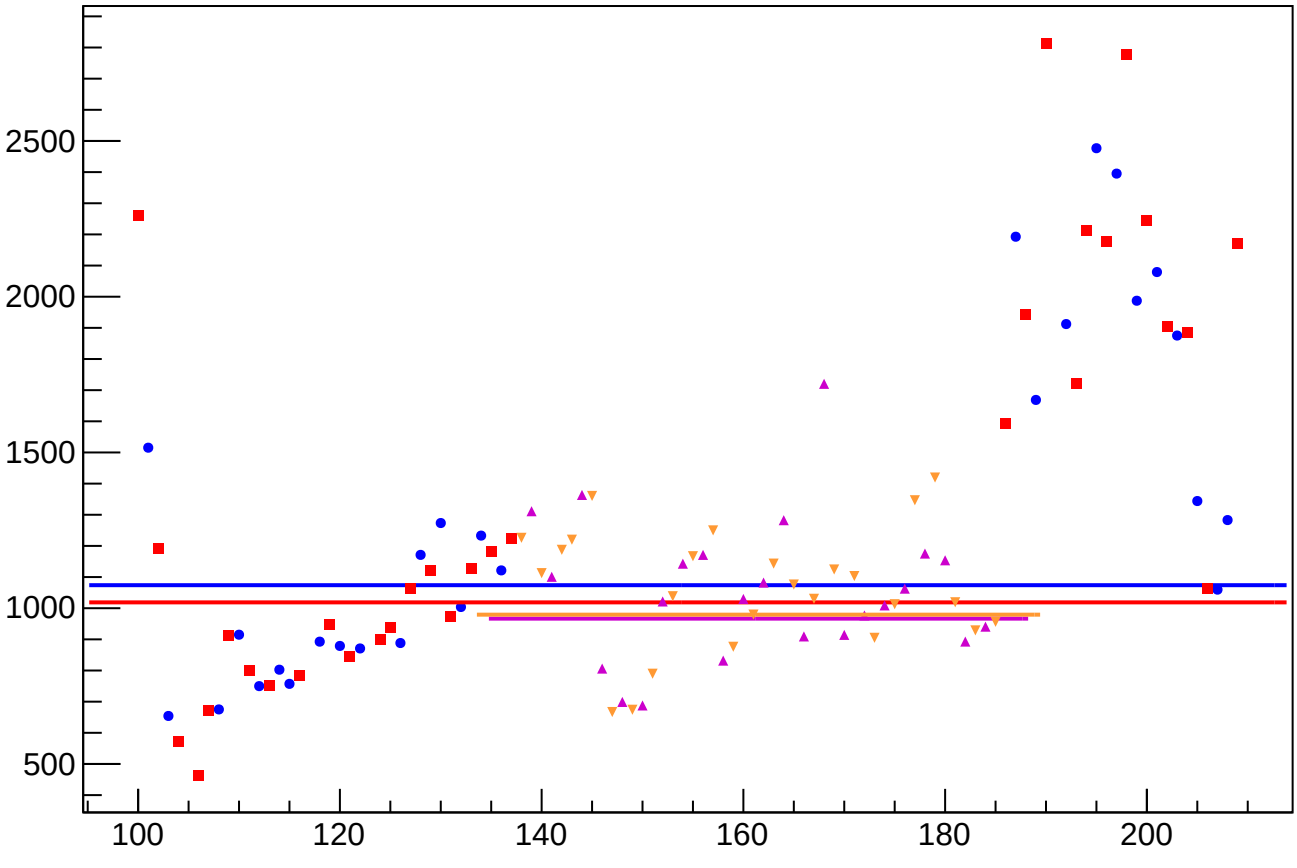
Left: -70.408+/-162.990 χ^2/NDF: 43.2/47

Right: -296.592+/-202.108 χ^2/NDF: 63.7/57

In: -23.743+/-182.056 χ^2/NDF:43.6/49

Out: -287.766+/-176.907 χ^2/NDF:63.0/55

All: -159.541+/-126.873 χ^2/NDF: 107.7/105



Right In: 1073.930+/-0.208 χ^2/NDF: 4163562.5/26

Left Out: 979.288+/-0.162 χ^2/NDF:1630731.2/24

Right Out: 1018.735+/-0.197 χ^2/NDF: 6301837.1/30

Left In: 966.531+/-0.164 χ^2/NDF:1602562.1/22

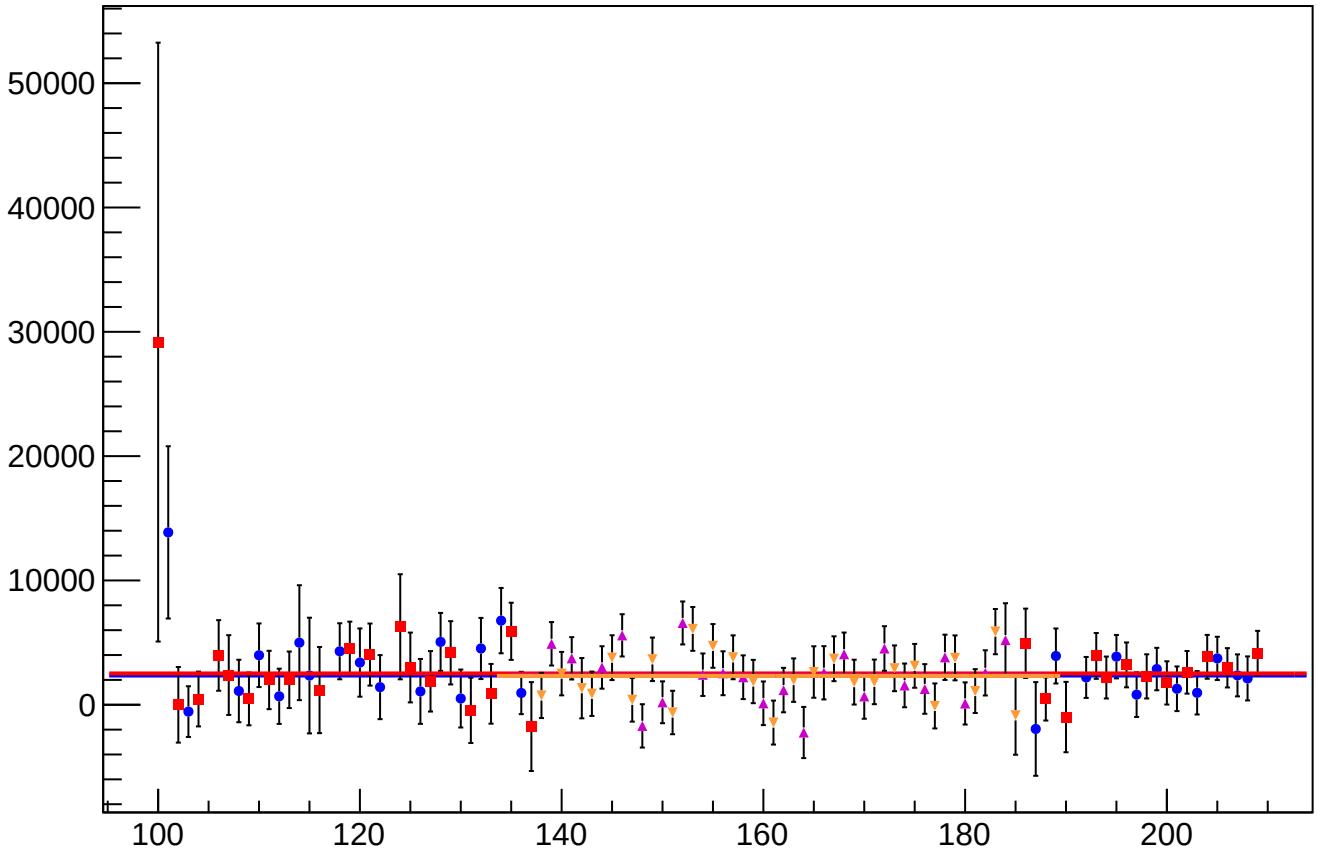
Left: 972.987+/-0.115 χ^2/NDF: 3236355.9/47

Right: 1044.836+/-0.143 χ^2/NDF: 10502581.1/57

In: 1007.740+/-0.129 χ^2/NDF:5930715.1/49

Out: 995.219+/-0.125 χ^2/NDF:7956509.3/55

All: 1001.300+/-0.090 χ^2/NDF: 13892090.2/1



Right In: 2353.051+/-415.977 χ^2/NDF: 18.9/26

Left Out: 2321.025+/-366.301 χ^2/NDF:27.5/24

Right Out: 2519.575+/-399.928 χ^2/NDF: 18.3/30

Left In: 2370.700+/-376.798 χ^2/NDF:33.7/22

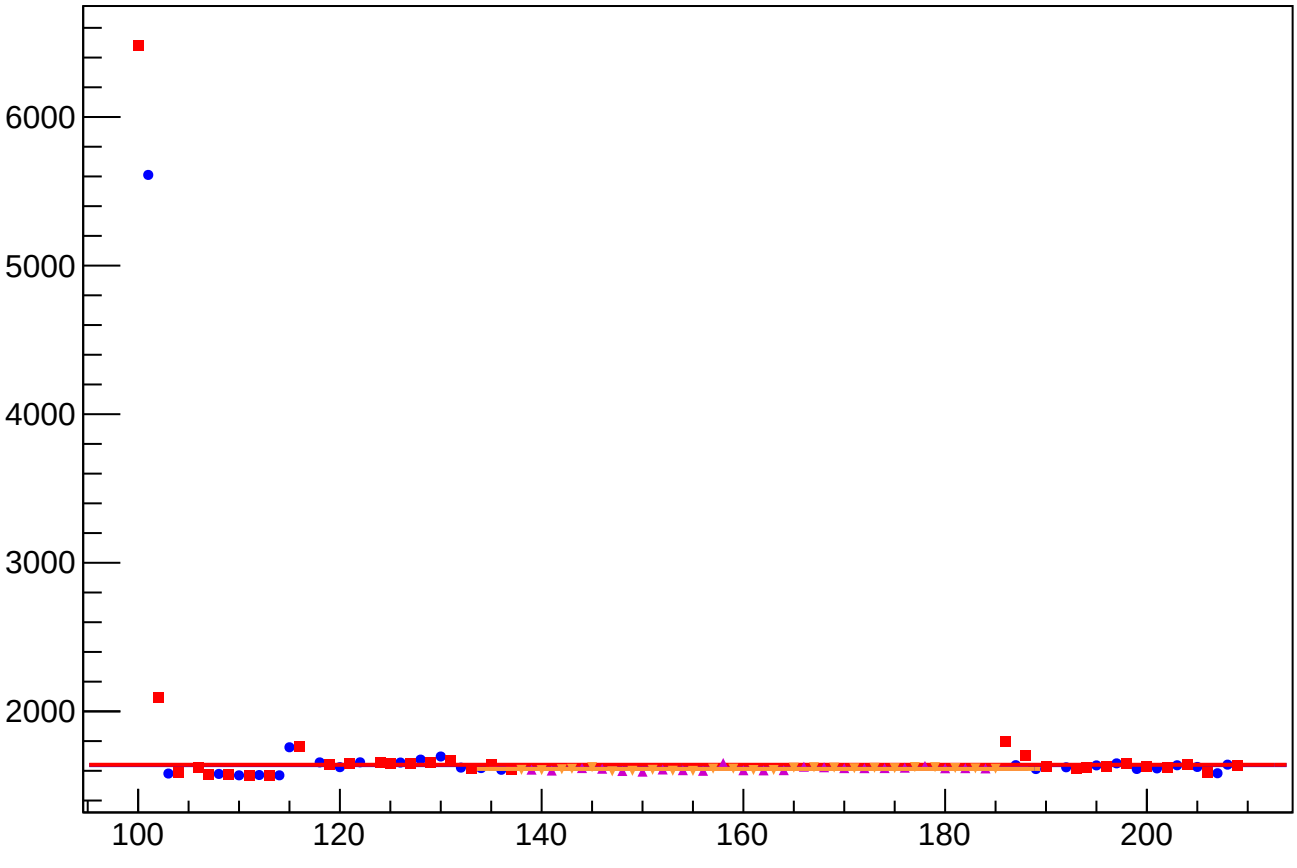
Left: 2345.161+/-262.646 χ^2/NDF: 61.2/47

Right: 2439.587+/-288.298 χ^2/NDF: 37.3/57

In: 2362.745+/-279.263 χ^2/NDF:52.6/49

Out: 2411.603+/-270.121 χ^2/NDF:46.0/55

All: 2387.987+/-194.156 χ^2/NDF: 98.6/105



Right In: 1638.354+/-0.294 χ^2/NDF: 671419.5/26

Left Out: 1612.607+/-0.259 χ^2/NDF:1172.5/24

Right Out: 1640.630+/-0.283 χ^2/NDF: 148184.8/30

Left In: 1613.793+/-0.266 χ^2/NDF:2354.6/22

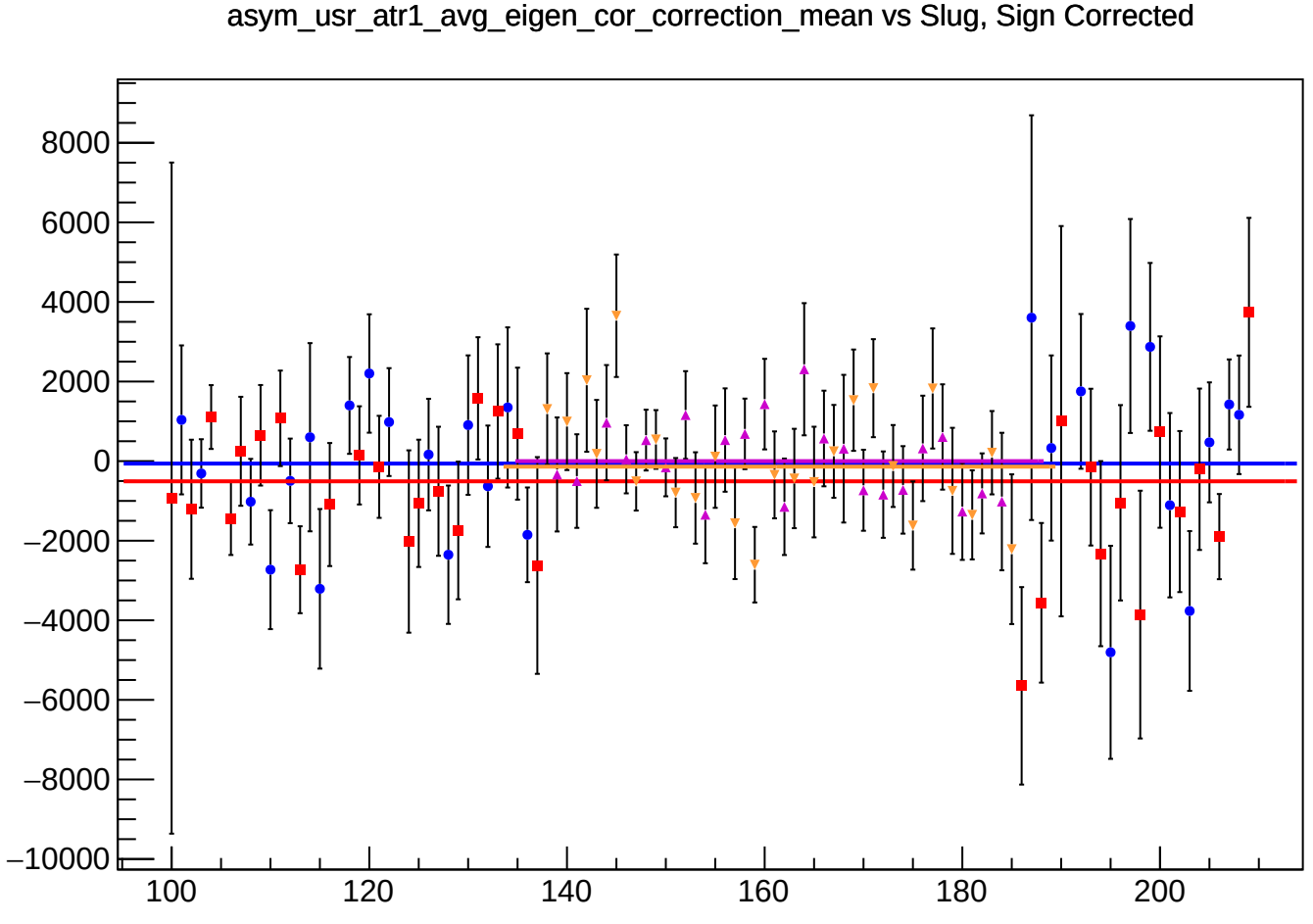
Left: 1613.184+/-0.186 χ^2/NDF: 3537.3/47

Right: 1639.536+/-0.204 χ^2/NDF: 819635.4/57

In: 1624.863+/-0.197 χ^2/NDF:677603.9/49

Out: 1625.391+/-0.191 χ^2/NDF:154697.0/55

All: 1625.136+/-0.137 χ^2/NDF: 832304.6/105



Right In: -61.771+/-293.906 χ^2/NDF: 30.7/26

Left Out: -139.074+/-229.125 χ^2/NDF:30.2/24

Right Out: -507.249+/-278.374 χ^2/NDF: 31.8/30

Left In: -0.068+/-231.904 χ^2/NDF:12.9/22

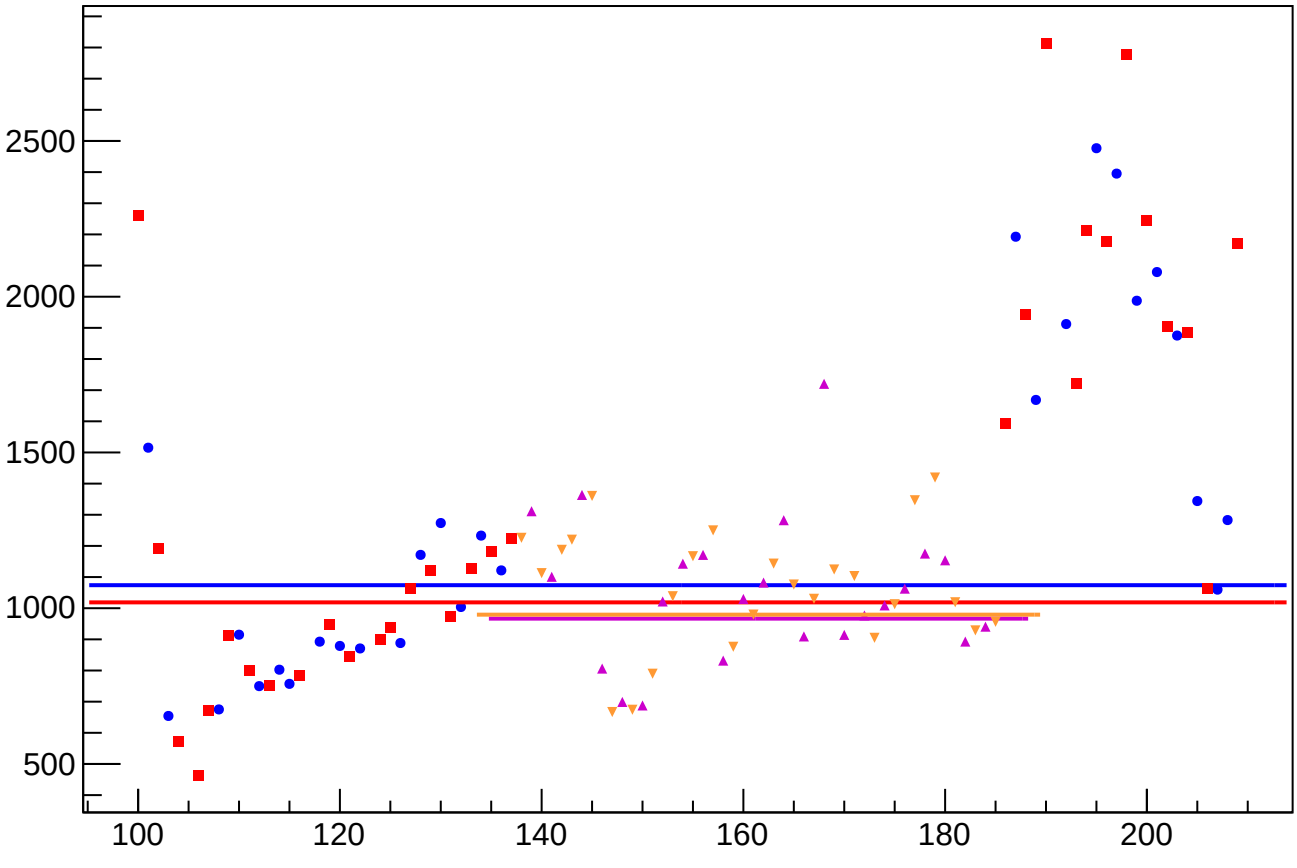
Left: -70.408+/-162.990 χ^2/NDF: 43.2/47

Right: -296.592+/-202.108 χ^2/NDF: 63.7/57

In: -23.743+/-182.056 χ^2/NDF:43.6/49

Out: -287.766+/-176.907 χ^2/NDF:63.0/55

All: -159.541+/-126.873 χ^2/NDF: 107.7/105


asym_usr_atr1_avg_eigen_cor_correction_rms vs Slug, Sign Corrected
2500
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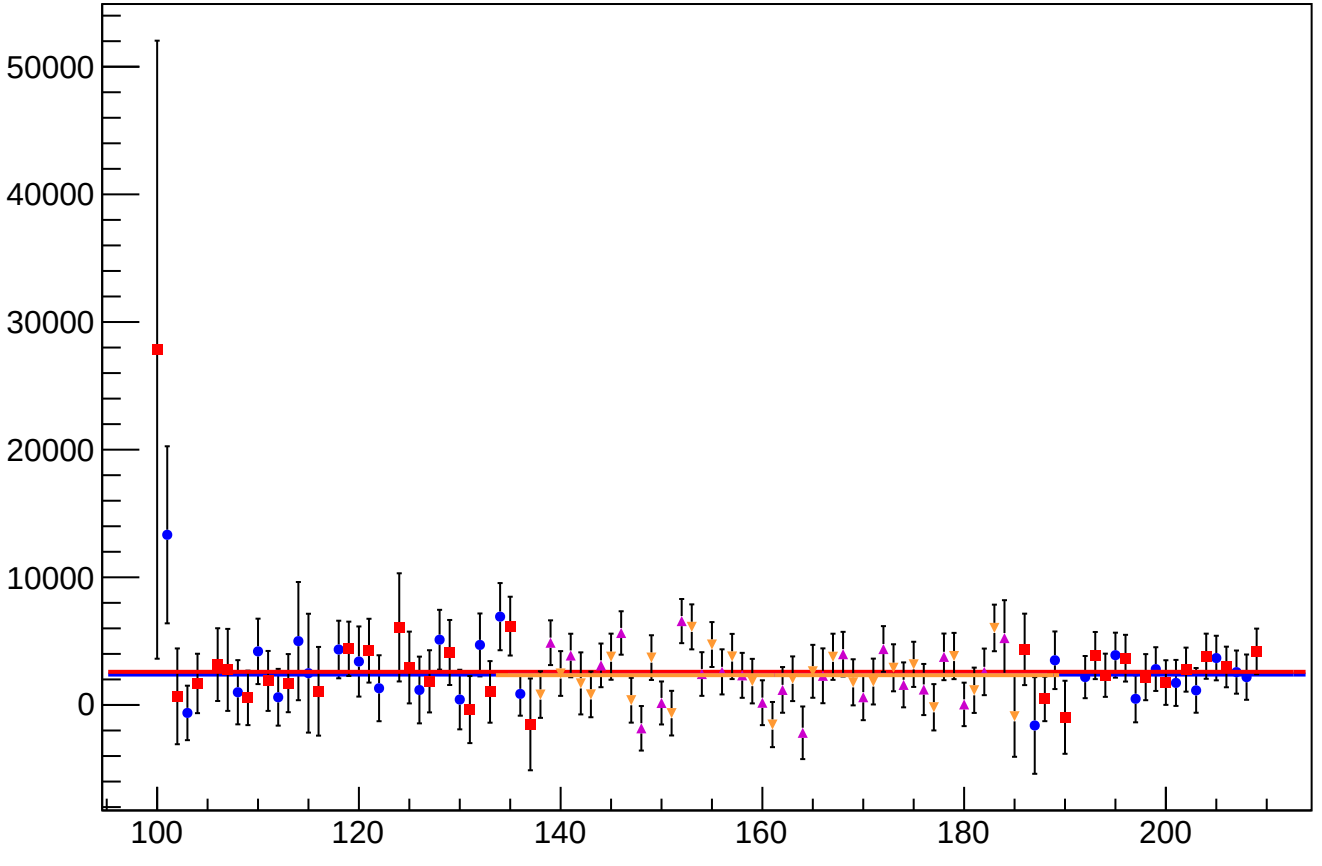
Right In: 1073.930+/-0.208 χ²/NDF: 4163562.5/26
Left Out: 979.288+/-0.162 χ²/NDF:1630731.2/24
Right Out: 1018.735+/-0.197 χ²/NDF: 6301837.1/30
Left In: 966.531+/-0.164 χ²/NDF:1602562.1/22
Left: 972.987+/-0.115 χ²/NDF: 3236355.9/47
Right: 1044.836+/-0.143 χ²/NDF: 10502581.1/57
In: 1007.740+/-0.129 χ²/NDF:5930715.1/49
Out: 995.219+/-0.125 χ²/NDF:7956509.3/55
All: 1001.300+/-0.090 χ²/NDF: 13892090.2/1

dit_asym_usr_atr1_avg_mean vs Slug, Sign Corrected



Right In: 2381.878+/-418.537 χ^2/NDF: 18.7/26

Left Out: 2334.840+/-366.991 χ^2/NDF:28.3/24

Right Out: 2596.275+/-403.527 χ^2/NDF: 16.5/30

Left In: 2360.289+/-377.400 χ^2/NDF:34.0/22

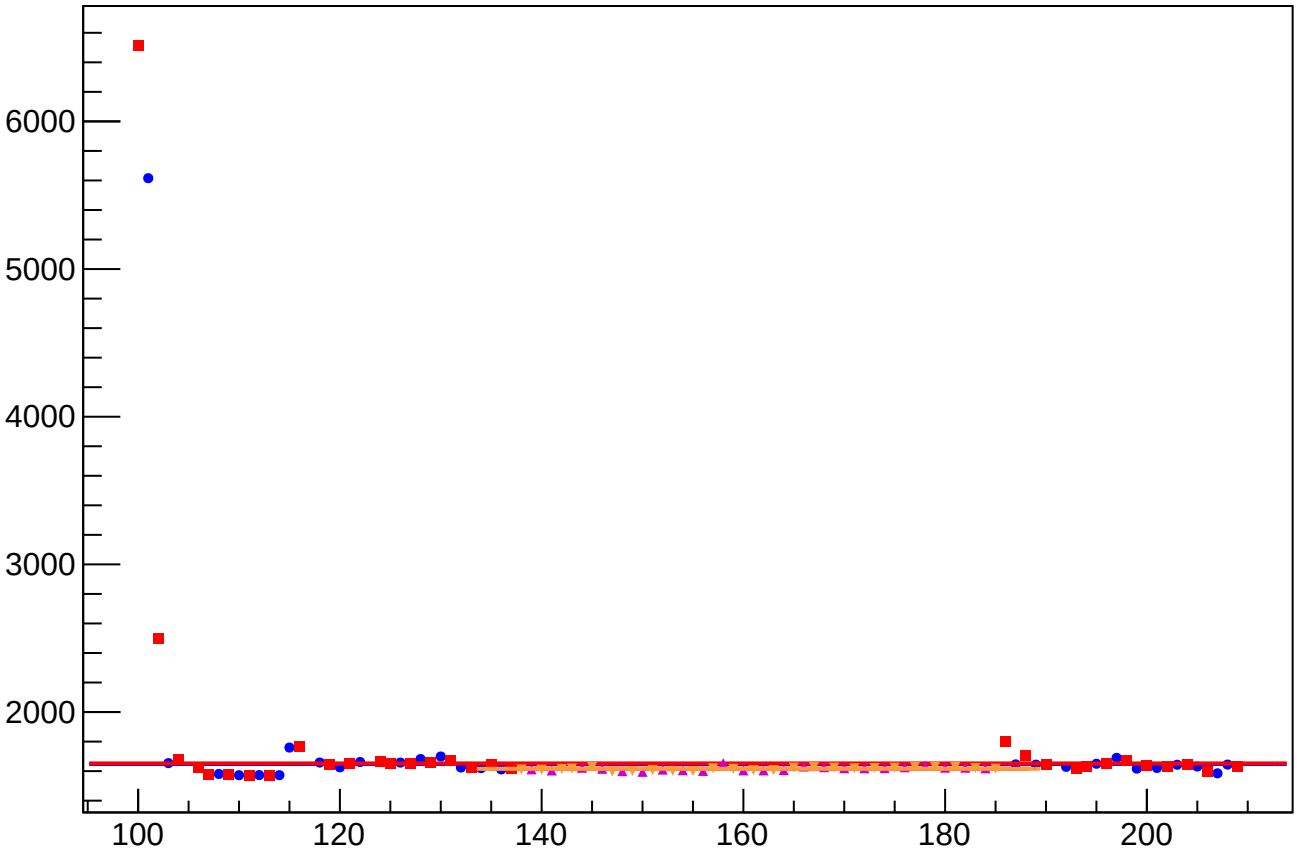
Left: 2347.209+/-263.105 χ^2/NDF: 62.3/47

Right: 2492.990+/-290.498 χ^2/NDF: 35.3/57

In: 2369.971+/-280.281 χ^2/NDF:52.7/49

Out: 2453.189+/-271.502 χ^2/NDF:45.0/55

All: 2412.903+/-195.010 χ^2/NDF: 97.7/105



Right In: 1648.328+/-0.296 χ^2/NDF: 669971.1/26

Left Out: 1615.633+/-0.260 χ^2/NDF:1447.2/24

Right Out: 1652.108+/-0.285 χ^2/NDF: 205459.2/30

Left In: 1616.361+/-0.267 χ^2/NDF:2557.7/22

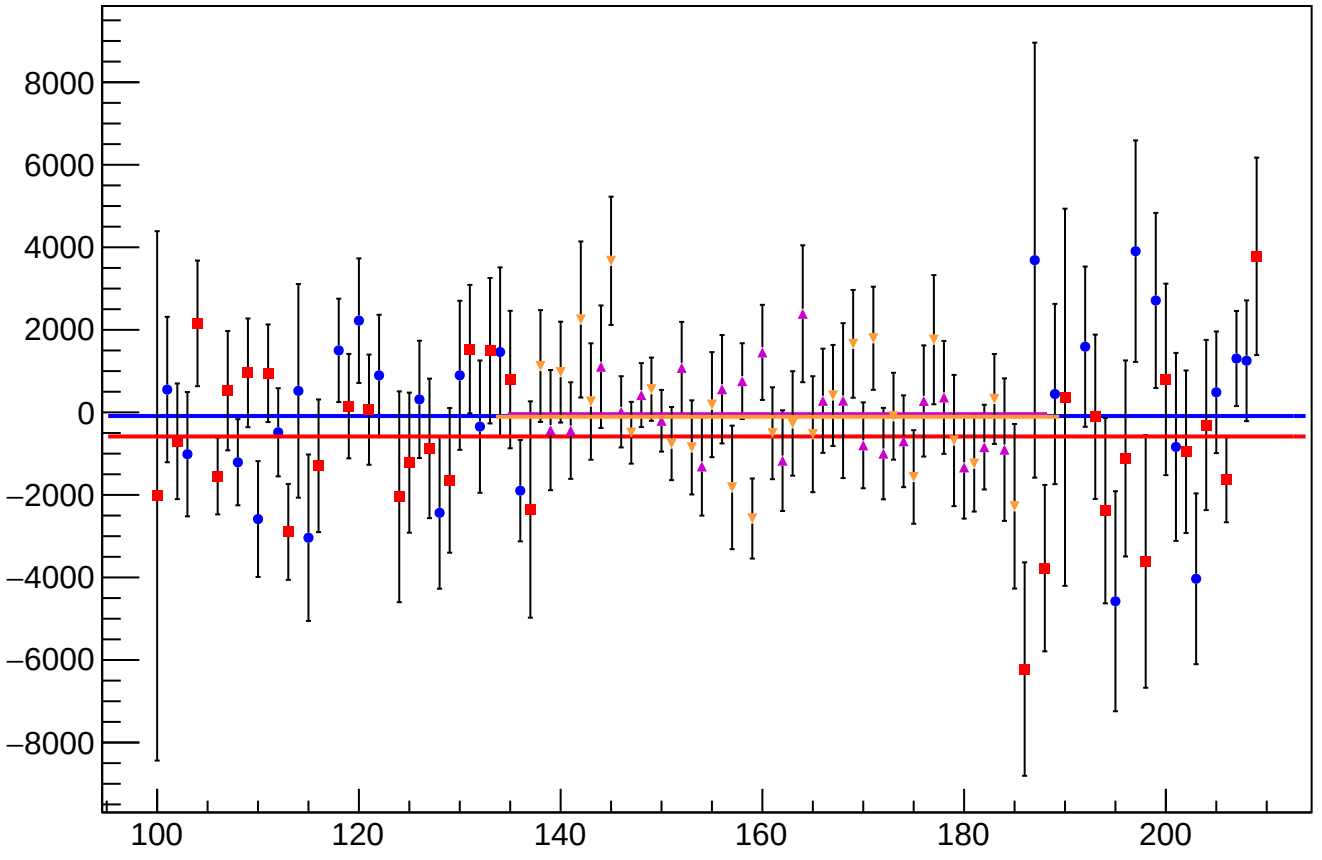
Left: 1615.987+/-0.186 χ^2/NDF: 4008.7/47

Right: 1650.287+/-0.205 χ^2/NDF: 875514.8/57

In: 1630.697+/-0.198 χ^2/NDF:678964.0/49

Out: 1632.145+/-0.192 χ^2/NDF:215849.7/55

All: 1631.444+/-0.138 χ^2/NDF: 894841.2/105



Right In: -88.430+/-308.520 χ^2/NDF: 30.6/26

Left Out: -106.338+/-234.306 χ^2/NDF:29.0/24

Right Out: -584.042+/-293.755 χ^2/NDF: 31.8/30

Left In: -44.469+/-235.733 χ^2/NDF:12.8/22

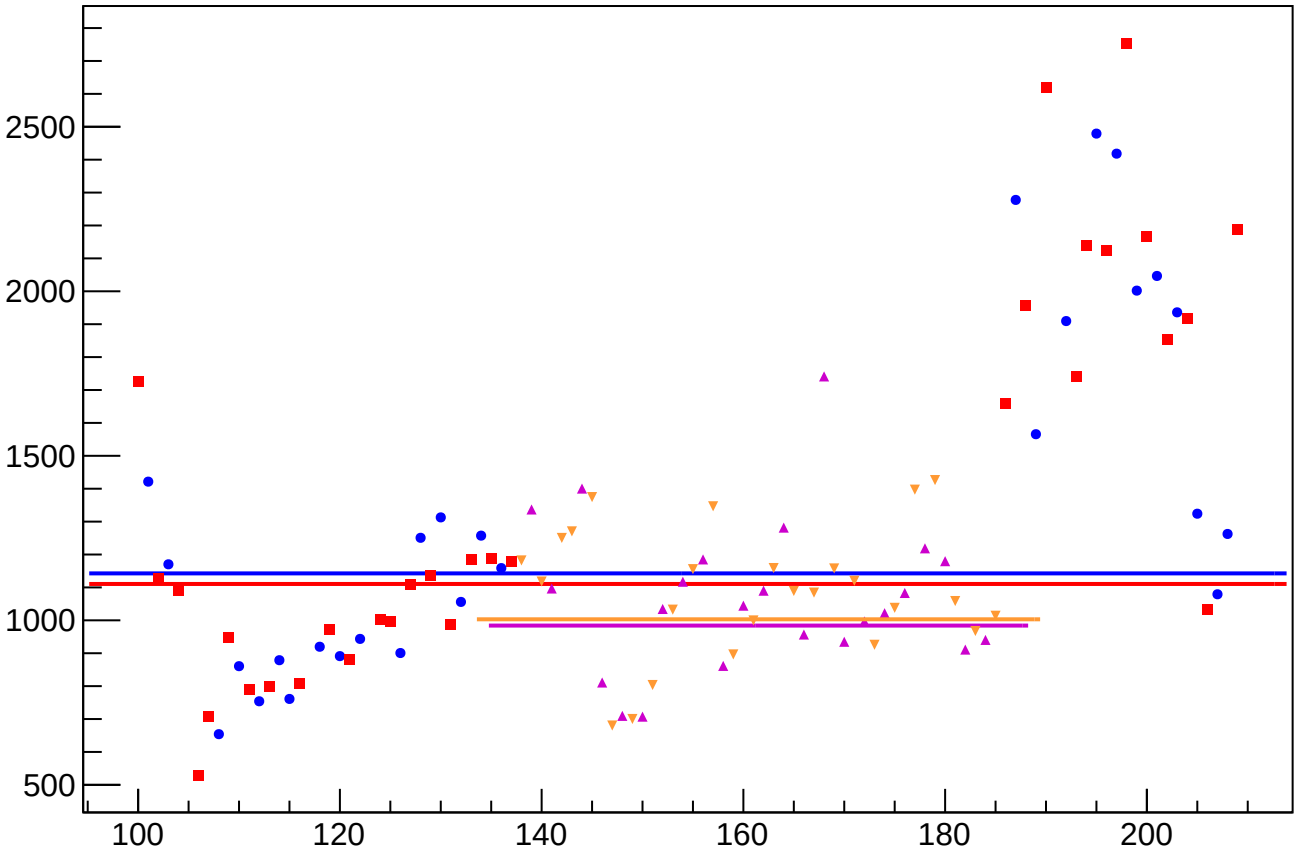
Left: -75.591+/-166.182 χ^2/NDF: 41.8/47

Right: -348.379+/-212.744 χ^2/NDF: 63.8/57

In: -60.673+/-187.313 χ^2/NDF:43.4/49

Out: -292.084+/-183.174 χ^2/NDF:62.4/55

All: -178.963+/-130.963 χ^2/NDF: 106.6/105


asym_usr_atr1_avg_dit_correction_rms vs Slug, Sign Corrected
2500
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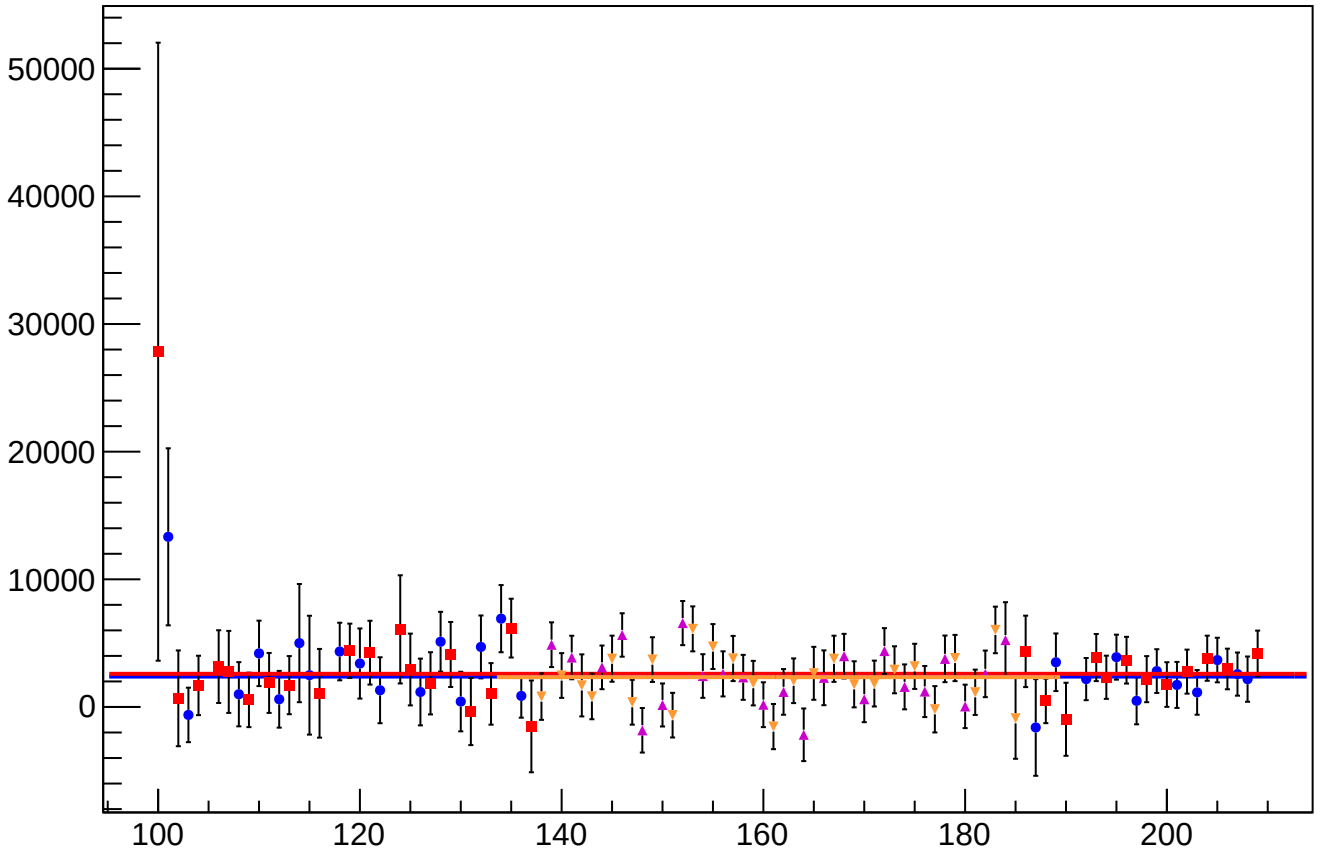
Right In: 1142.656+/-0.218 χ²/NDF: 3598915.8/26
Left Out: 1003.101+/-0.166 χ²/NDF:1598415.6/24
Right Out: 1110.500+/-0.208 χ²/NDF: 5111520.1/30
Left In: 984.053+/-0.167 χ²/NDF:1559561.5/22
Left: 993.635+/-0.118 χ²/NDF: 3164545.6/47
Right: 1125.790+/-0.150 χ²/NDF: 8721831.2/57
In: 1042.516+/-0.132 χ²/NDF:5492194.0/49
Out: 1044.861+/-0.130 χ²/NDF:6873324.5/55
All: 1043.715+/-0.093 χ²/NDF: 12365678.7/



Right In: 2381.879+/-418.537 χ^2/NDF: 18.7/26

Left Out: 2334.839+/-366.991 χ^2/NDF:28.3/24

Right Out: 2596.273+/-403.527 χ^2/NDF: 16.5/30

Left In: 2360.289+/-377.400 χ^2/NDF:34.0/22

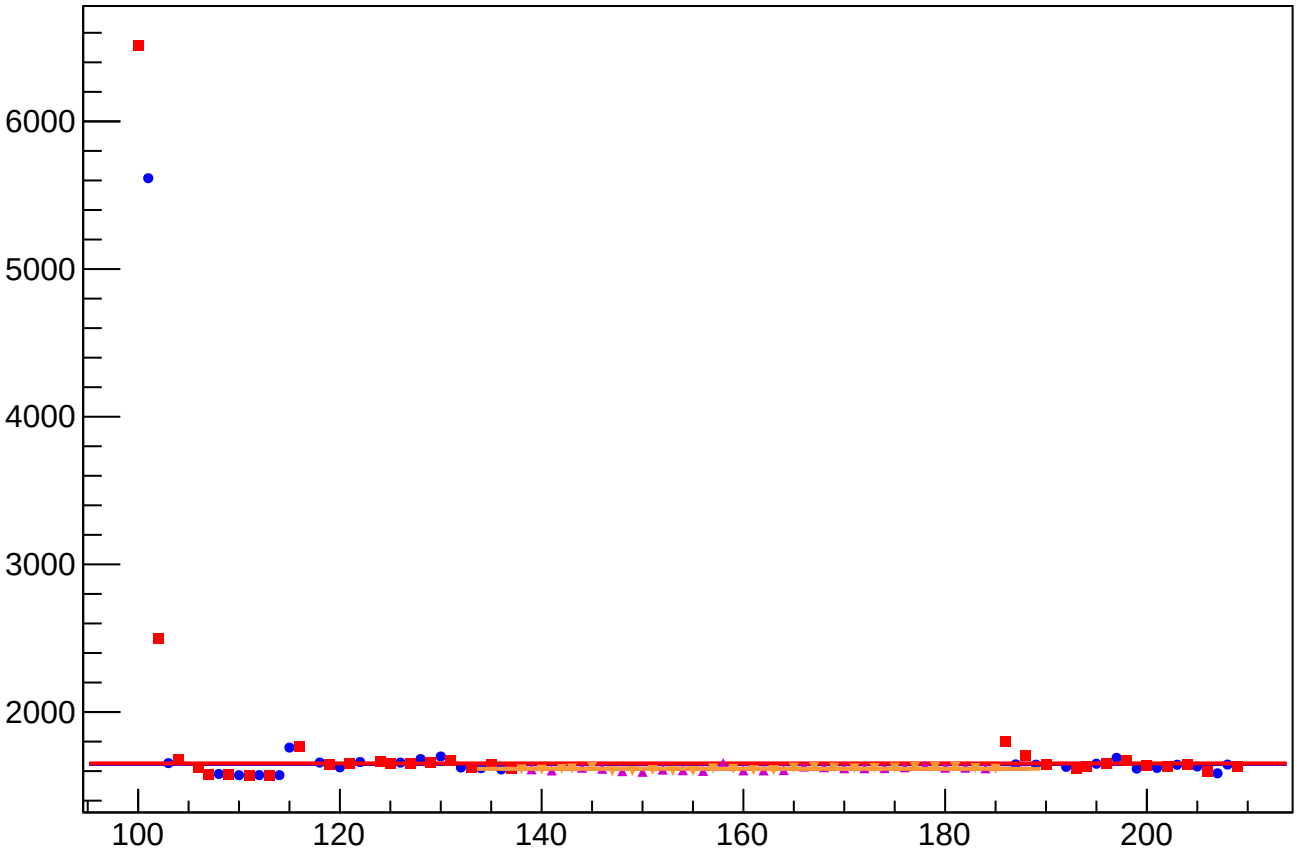
Left: 2347.208+/-263.105 χ^2/NDF: 62.3/47

Right: 2492.989+/-290.498 χ^2/NDF: 35.3/57

In: 2369.971+/-280.281 χ^2/NDF:52.7/49

Out: 2453.187+/-271.502 χ^2/NDF:45.0/55

All: 2412.903+/-195.010 χ^2/NDF: 97.7/105



Right In: 1648.328+/-0.296 χ^2/NDF: 669971.1/26

Left Out: 1615.633+/-0.260 χ^2/NDF:1447.2/24

Right Out: 1652.108+/-0.285 χ^2/NDF: 205459.1/30

Left In: 1616.361+/-0.267 χ^2/NDF:2557.7/22

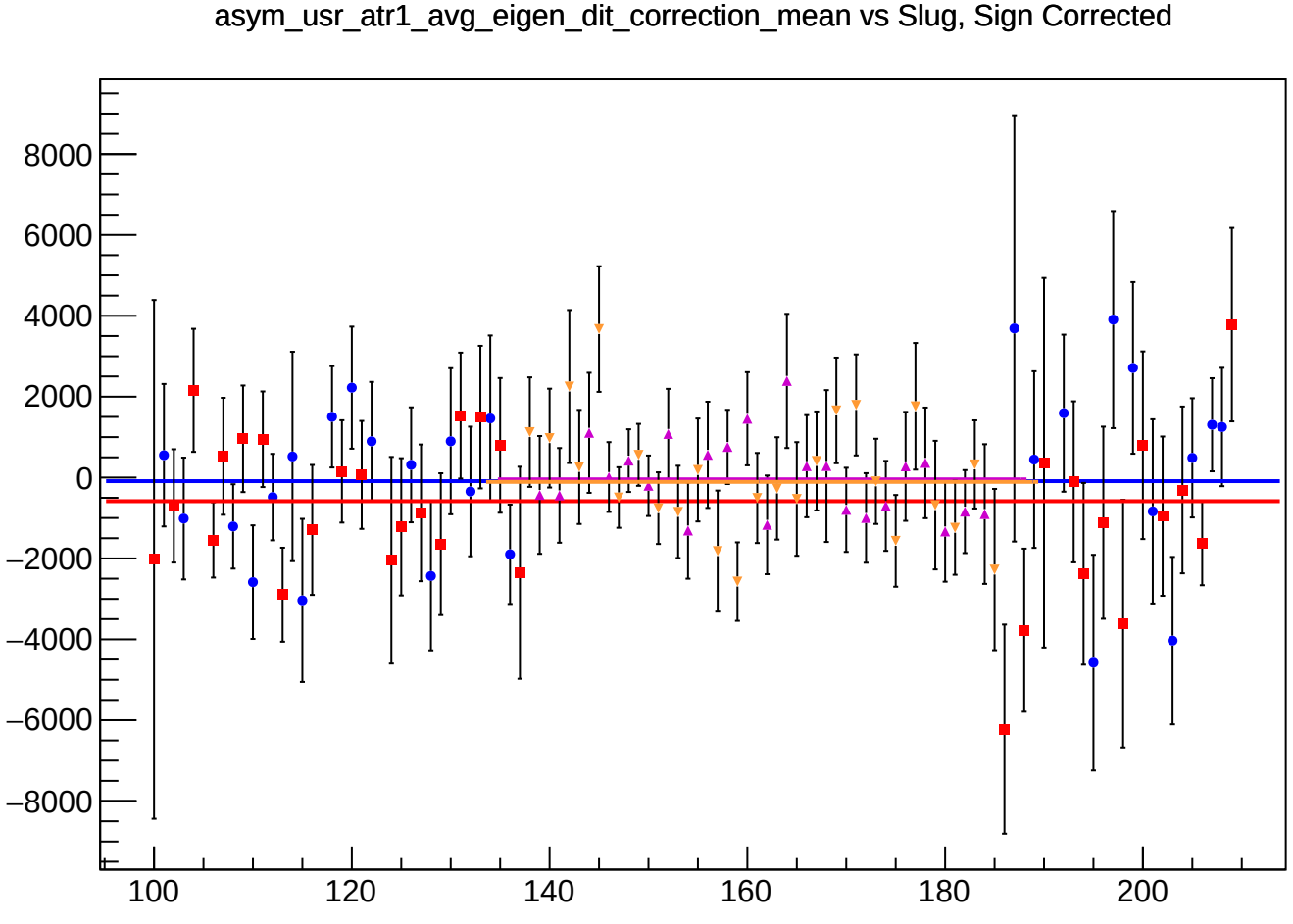
Left: 1615.987+/-0.186 χ^2/NDF: 4008.7/47

Right: 1650.287+/-0.205 χ^2/NDF: 875514.7/57

In: 1630.697+/-0.198 χ^2/NDF:678963.9/49

Out: 1632.145+/-0.192 χ^2/NDF:215849.5/55

All: 1631.444+/-0.138 χ^2/NDF: 894841.0/105



Right In: -88.430+/-308.519 χ^2/NDF: 30.6/26

Left Out: -106.340+/-234.307 χ^2/NDF:29.0/24

Right Out: -584.040+/-293.754 χ^2/NDF: 31.8/30

Left In: -44.468+/-235.733 χ^2/NDF:12.8/22

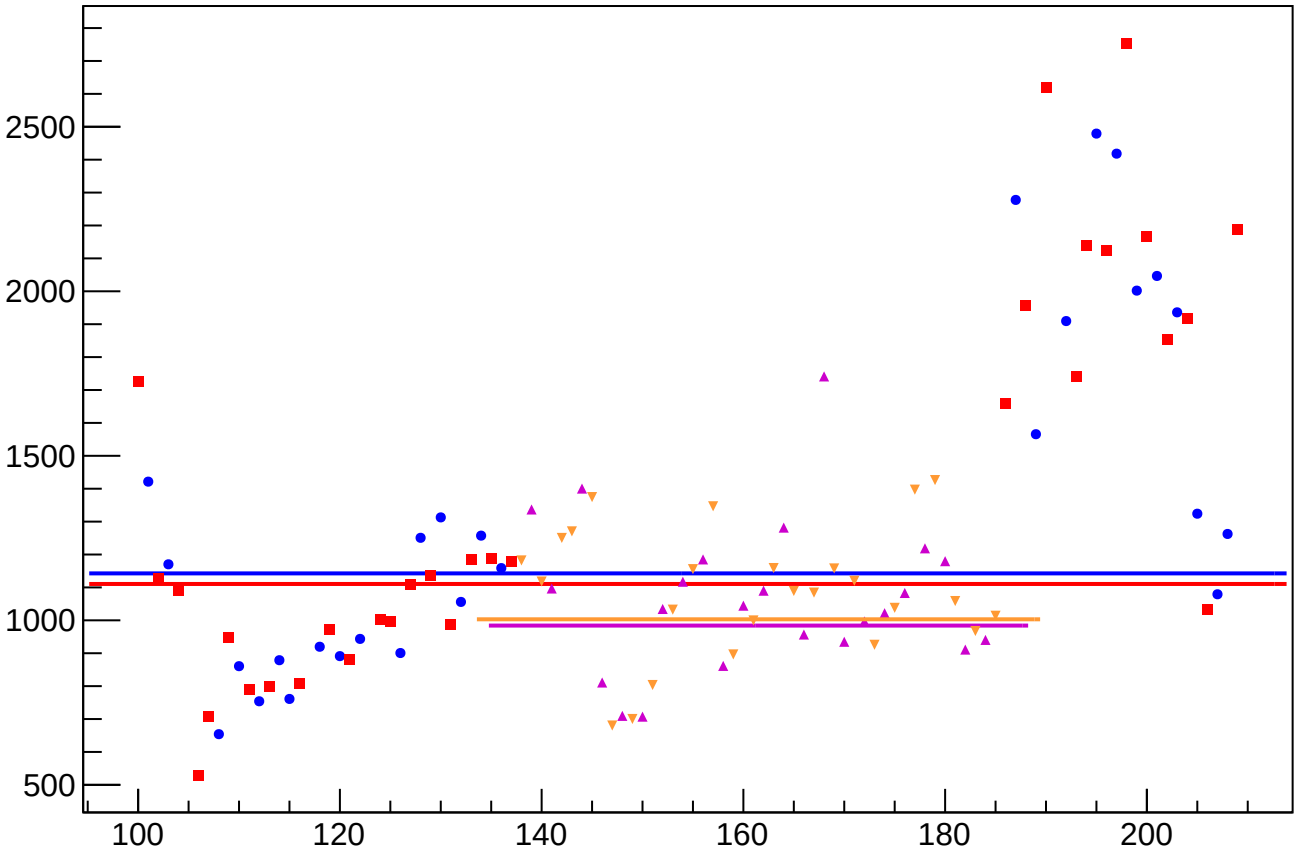
Left: -75.592+/-166.182 χ^2/NDF: 41.8/47

Right: -348.378+/-212.744 χ^2/NDF: 63.8/57

In: -60.673+/-187.313 χ^2/NDF:43.4/49

Out: -292.085+/-183.174 χ^2/NDF:62.4/55

All: -178.964+/-130.963 χ^2/NDF: 106.6/105


asym_usr_atr1_avg_eigen_dit_correction_rms vs Slug, Sign Corrected
2500
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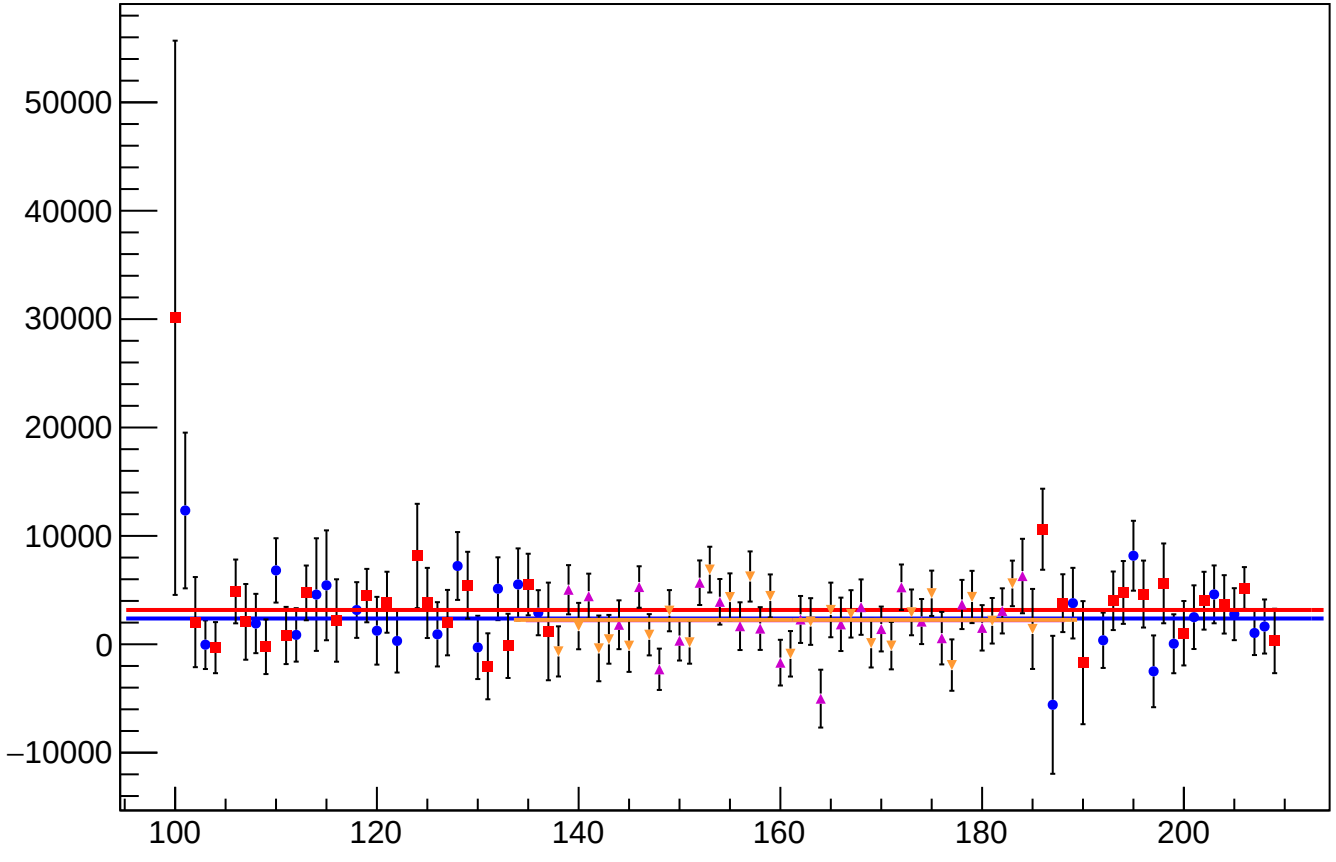
Right In: 1142.653+/-0.218 χ²/NDF: 3598958.4/26
Left Out: 1003.103+/-0.166 χ²/NDF:1598417.7/24
Right Out: 1110.497+/-0.208 χ²/NDF: 5111551.2/30
Left In: 984.055+/-0.167 χ²/NDF:1559563.7/22
Left: 993.637+/-0.118 χ²/NDF: 3164549.9/47
Right: 1125.787+/-0.150 χ²/NDF: 8721904.6/57
In: 1042.517+/-0.132 χ²/NDF:5492217.7/49
Out: 1044.861+/-0.130 χ²/NDF:6873343.5/55
All: 1043.715+/-0.093 χ²/NDF: 12365721.4/

asym_usr_atr1_avg_mean vs Slug, Sign Corrected



Right In: 2377.851+/-552.377 χ^2/NDF: 22.1/26

Left Out: 2252.380+/-442.213 χ^2/NDF:28.3/24

Right Out: 3165.659+/-538.010 χ^2/NDF: 22.6/30

Left In: 2219.401+/-452.286 χ^2/NDF:31.5/22

Left: 2236.262+/-316.193 χ^2/NDF: 59.8/47

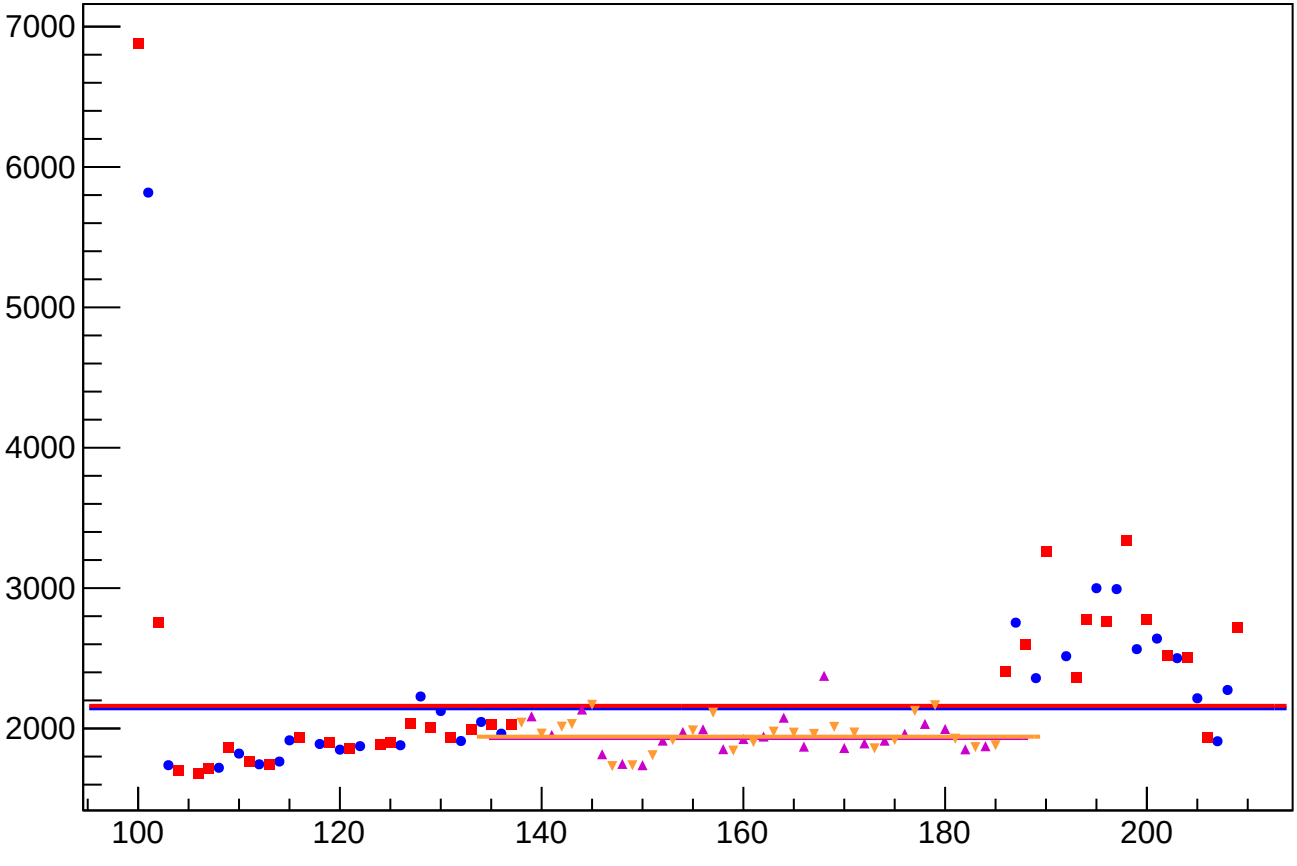
Right: 2782.133+/-385.410 χ^2/NDF: 45.7/57

In: 2282.995+/-349.944 χ^2/NDF:53.6/49

Out: 2620.609+/-341.623 χ^2/NDF:52.6/55

All: 2455.864+/-244.453 χ^2/NDF: 106.7/105

asym_usr_atr1_avg_rms vs Slug, Sign Corrected



Right In: 2143.823+/-0.391 χ^2/NDF: 1344895.9/26

Left Out: 1941.583+/-0.313 χ^2/NDF:139011.4/24

Right Out: 2161.267+/-0.380 χ^2/NDF: 1278681.0/30

Left In: 1931.812+/-0.320 χ^2/NDF:159877.0/22

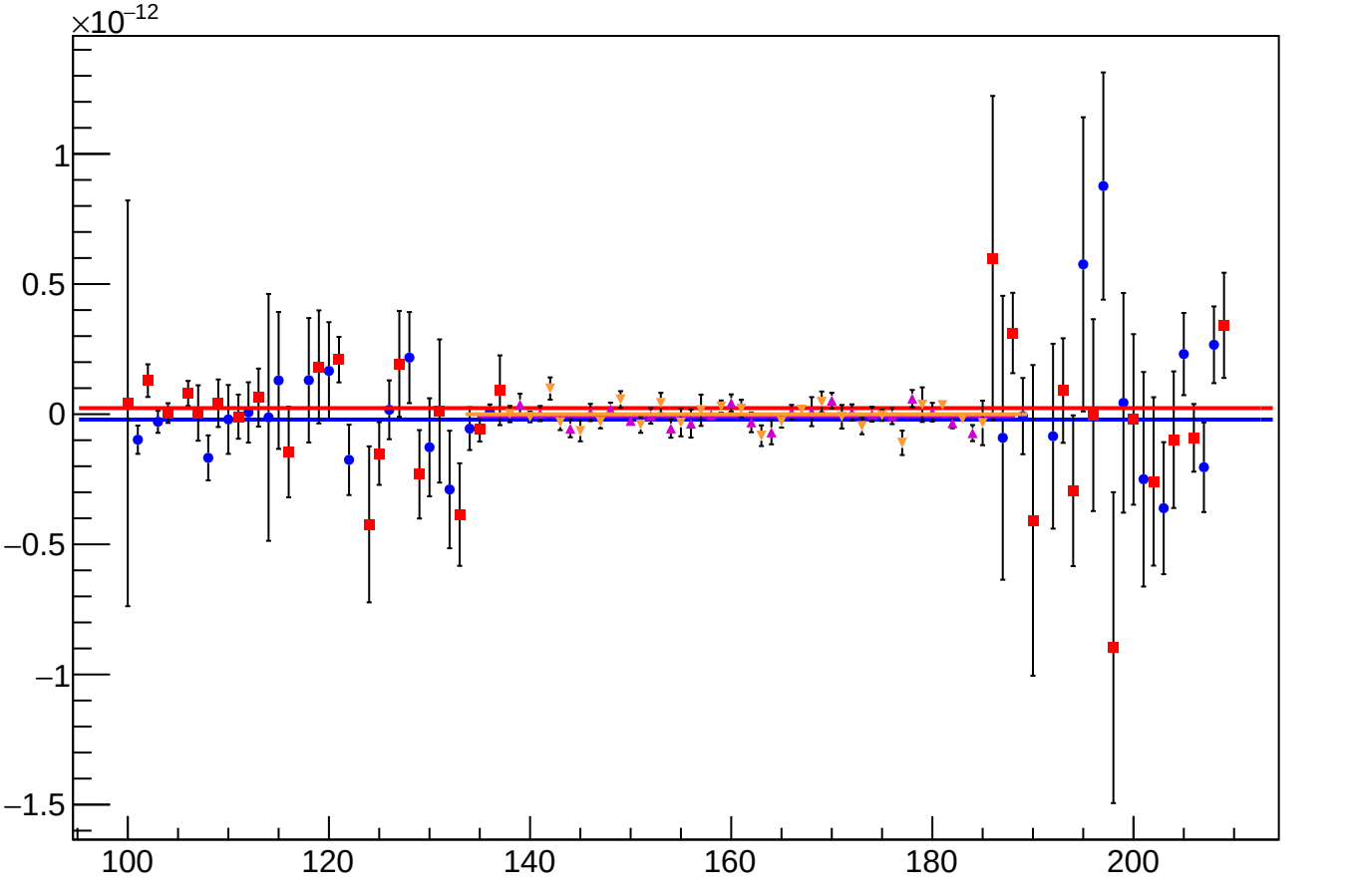
Left: 1936.808+/-0.224 χ^2/NDF: 299365.5/47

Right: 2152.775+/-0.273 χ^2/NDF: 2624600.5/57

In: 2016.904+/-0.247 χ^2/NDF:1681151.9/49

Out: 2030.158+/-0.242 χ^2/NDF:1616704.3/55

All: 2023.690+/-0.173 χ^2/NDF: 3299325.3/10



Right In: -0.000+/-0.000 χ^2/NDF: 27.9/26

Left Out: -0.000+/-0.000 χ^2/NDF:40.3/24

Right Out: 0.000+/-0.000 χ^2/NDF: 38.2/30

Left In: -0.000+/-0.000 χ^2/NDF:27.5/22

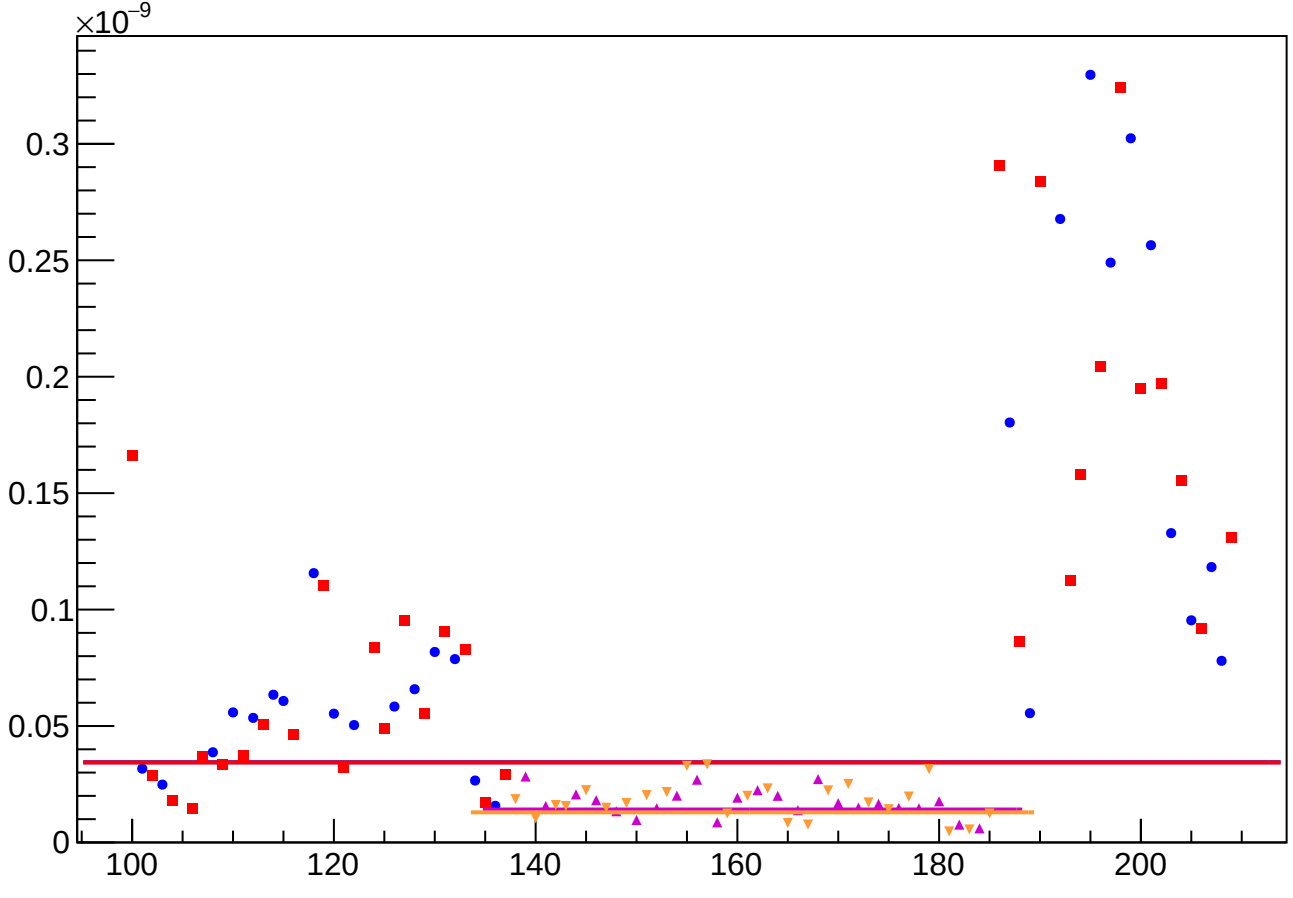
Left: -0.000+/-0.000 χ^2/NDF: 68.4/47

Right: 0.000+/-0.000 χ^2/NDF: 68.9/57

In: -0.000+/-0.000 χ^2/NDF:55.9/49

Out: 0.000+/-0.000 χ^2/NDF:80.0/55

All: -0.000+/-0.000 χ^2/NDF: 137.4/105



Right In: 0.000+/-0.000 χ^2/NDF: 6414213.0/26

Left Out: 0.000+/-0.000 χ^2/NDF:2826186.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 6582138.5/30

Left In: 0.000+/-0.000 χ^2/NDF:1522273.8/22

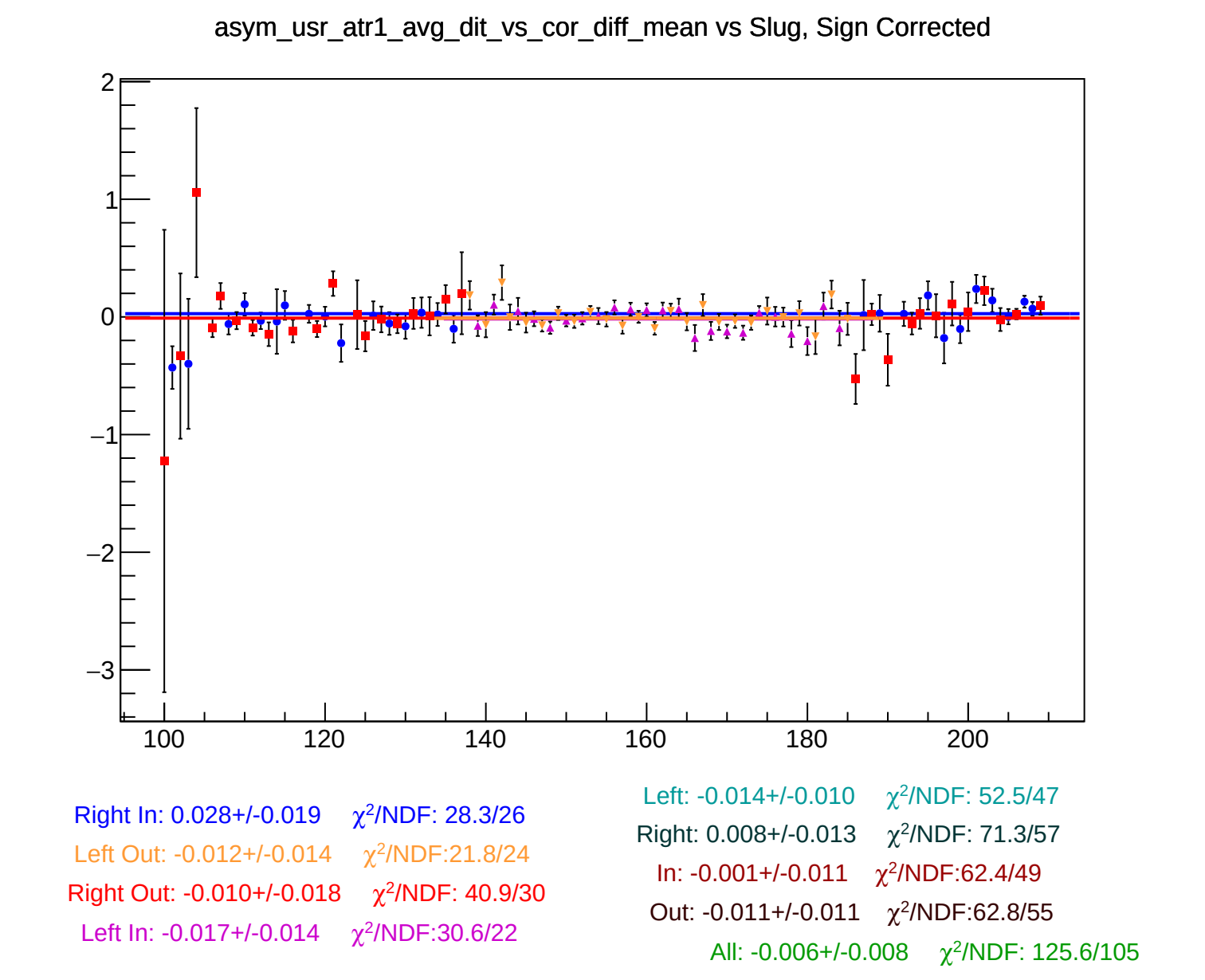
Left: 0.000+/-0.000 χ^2/NDF: 4390810.8/47

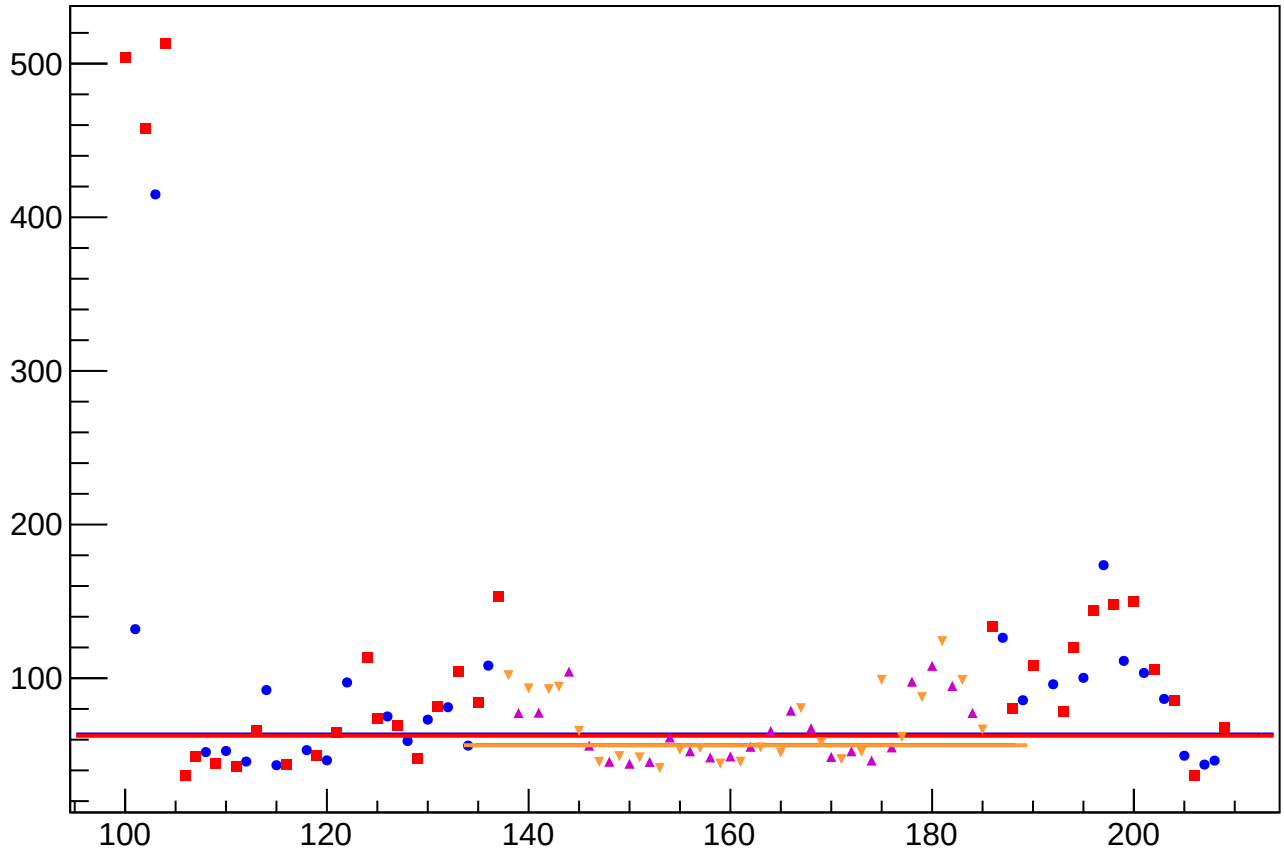
Right: 0.000+/-0.000 χ^2/NDF: 12996368.9/57

In: 0.000+/-0.000 χ^2/NDF:10117437.3/49

Out: 0.000+/-0.000 χ^2/NDF:11826953.9/55

All: 0.000+/-0.000 χ^2/NDF: 22006220.1/105


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
Right In: 0.028+/-0.019 χ²/NDF: 28.3/26
Left Out: -0.012+/-0.014 χ²/NDF:21.8/24
Right Out: -0.010+/-0.018 χ²/NDF: 40.9/30
Left In: -0.017+/-0.014 χ²/NDF:30.6/22
Left: -0.014+/-0.010 χ²/NDF: 52.5/47
Right: 0.008+/-0.013 χ²/NDF: 71.3/57
In: -0.001+/-0.011 χ²/NDF:62.4/49
Out: -0.011+/-0.011 χ²/NDF:62.8/55
All: -0.006+/-0.008 χ²/NDF: 125.6/105



Right In: 63.373+/-0.013 χ^2/NDF: 4199599.3/26

Left Out: 56.374+/-0.010 χ^2/NDF:2797305.0/24

Right Out: 62.557+/-0.013 χ^2/NDF: 6019627.7/30

Left In: 56.467+/-0.010 χ^2/NDF:2140078.8/22

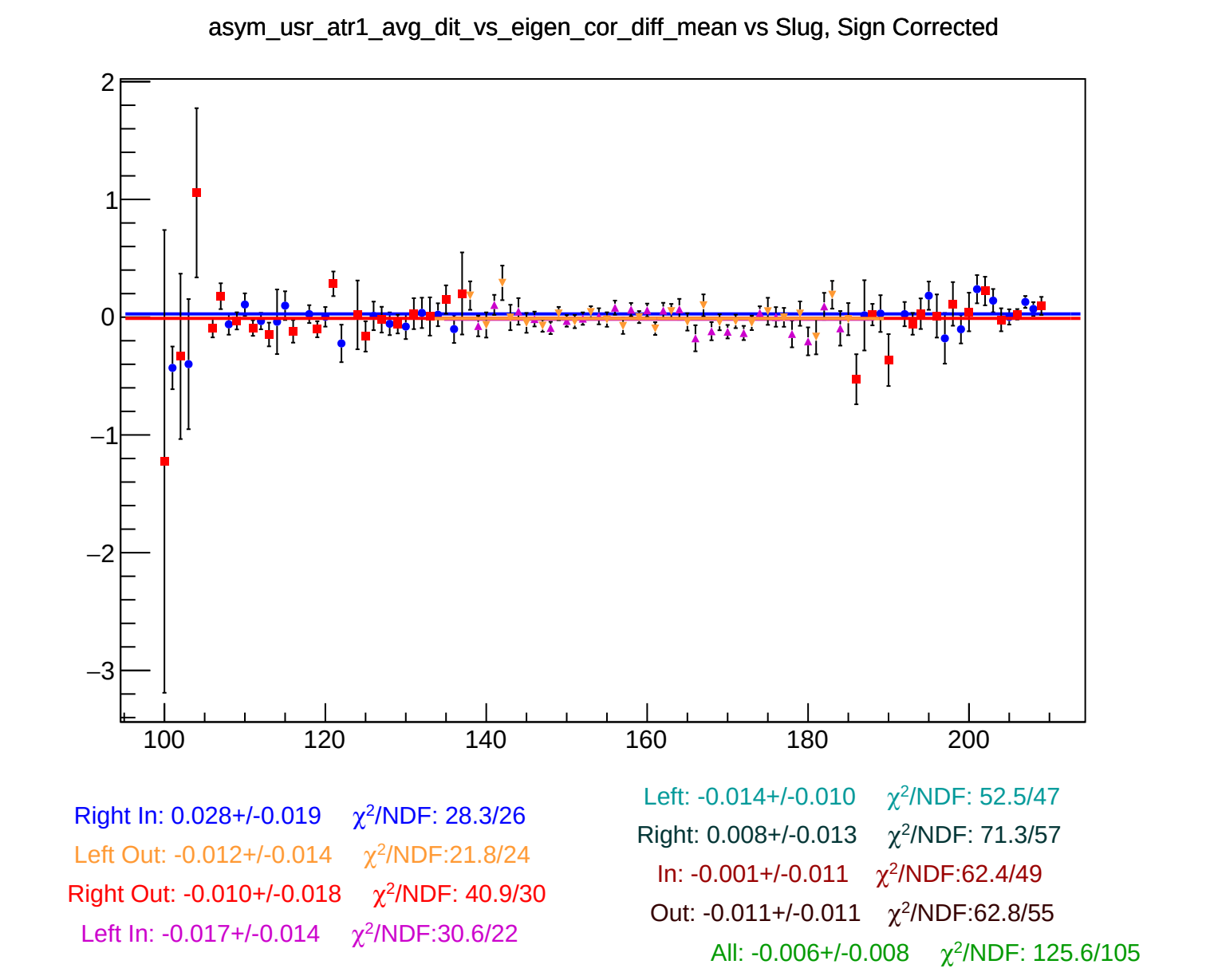
Left: 56.420+/-0.007 χ^2/NDF: 4937425.9/47

Right: 62.956+/-0.009 χ^2/NDF: 10221143.2/57

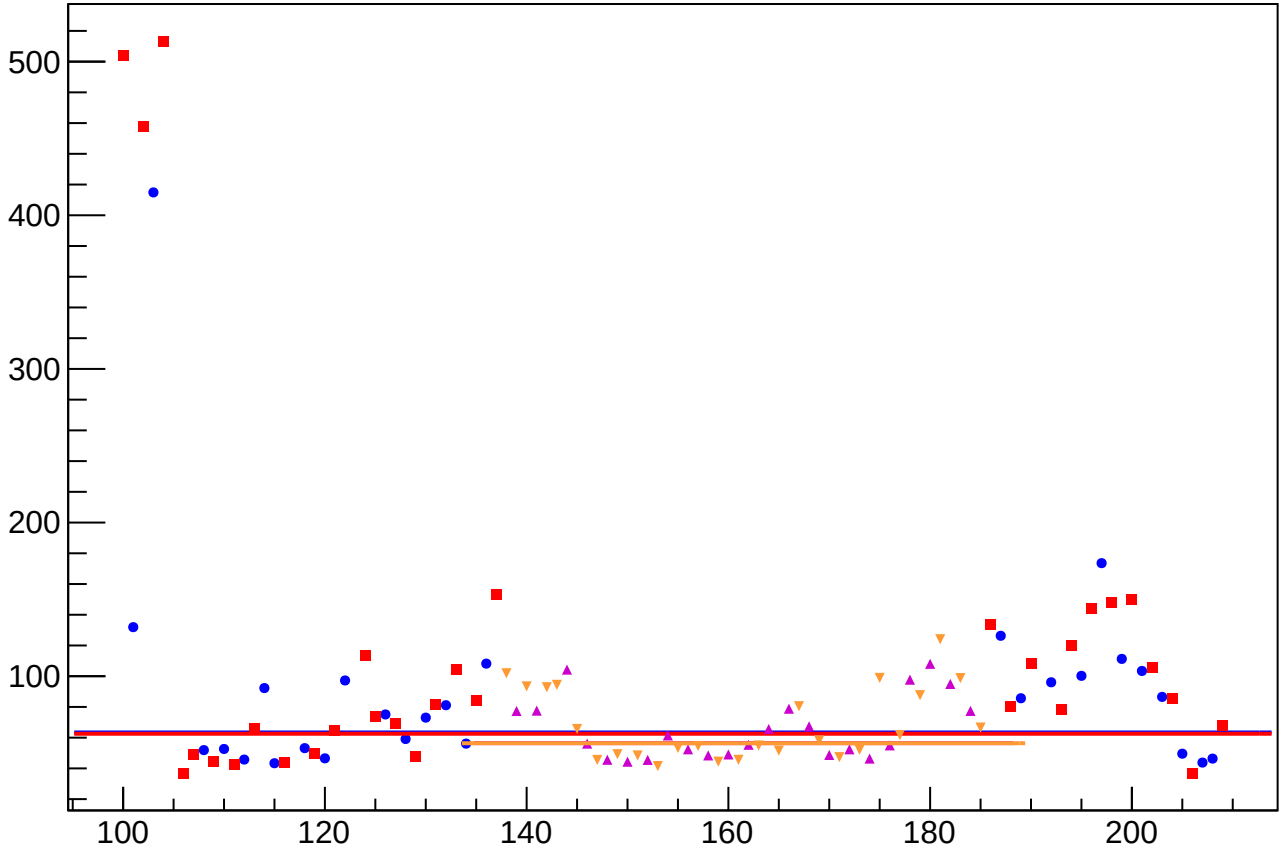
In: 59.035+/-0.008 χ^2/NDF:6508662.6/49

Out: 58.698+/-0.008 χ^2/NDF:8957203.8/55

All: 58.864+/-0.006 χ^2/NDF: 15466736.1/105


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
Right In: 0.028+/-0.019 χ²/NDF: 28.3/26
Left Out: -0.012+/-0.014 χ²/NDF:21.8/24
Right Out: -0.010+/-0.018 χ²/NDF: 40.9/30
Left In: -0.017+/-0.014 χ²/NDF:30.6/22
Left: -0.014+/-0.010 χ²/NDF: 52.5/47
Right: 0.008+/-0.013 χ²/NDF: 71.3/57
In: -0.001+/-0.011 χ²/NDF:62.4/49
Out: -0.011+/-0.011 χ²/NDF:62.8/55
All: -0.006+/-0.008 χ²/NDF: 125.6/105

asym_usr_atr1_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 63.373+/-0.013 χ^2/NDF: 4199599.3/26

Left Out: 56.374+/-0.010 χ^2/NDF:2797305.0/24

Right Out: 62.557+/-0.013 χ^2/NDF: 6019627.7/30

Left In: 56.467+/-0.010 χ^2/NDF:2140078.8/22

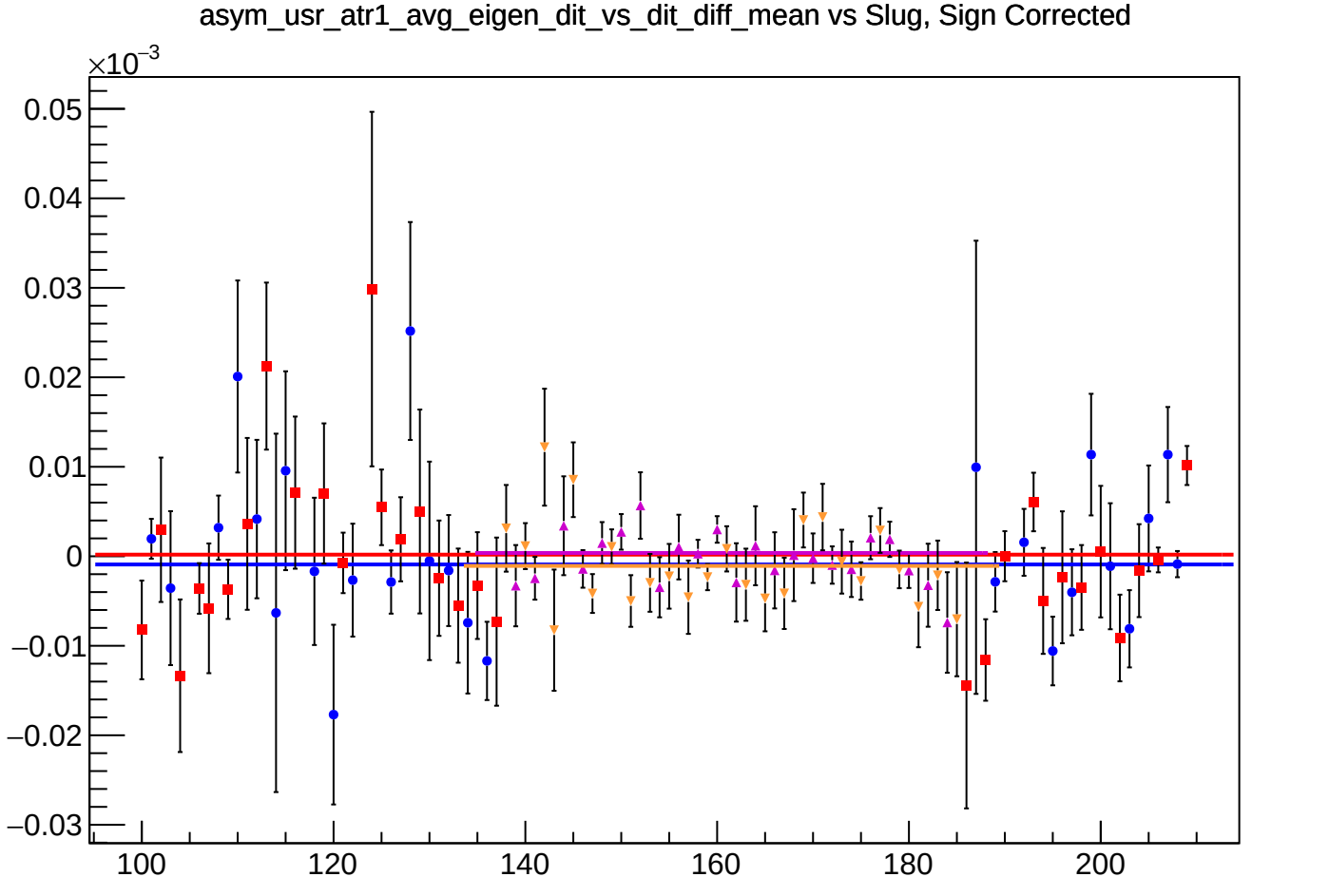
Left: 56.420+/-0.007 χ^2/NDF: 4937425.9/47

Right: 62.956+/-0.009 χ^2/NDF: 10221143.2/57

In: 59.035+/-0.008 χ^2/NDF:6508662.6/49

Out: 58.698+/-0.008 χ^2/NDF:8957203.8/55

All: 58.864+/-0.006 χ^2/NDF: 15466736.1/105



Right In: -0.000+/-0.000 χ^2/NDF: 42.6/26

Left Out: -0.000+/-0.000 χ^2/NDF:31.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 59.0/30

Left In: 0.000+/-0.000 χ^2/NDF:17.5/22

Left: -0.000+/-0.000 χ^2/NDF: 52.4/47

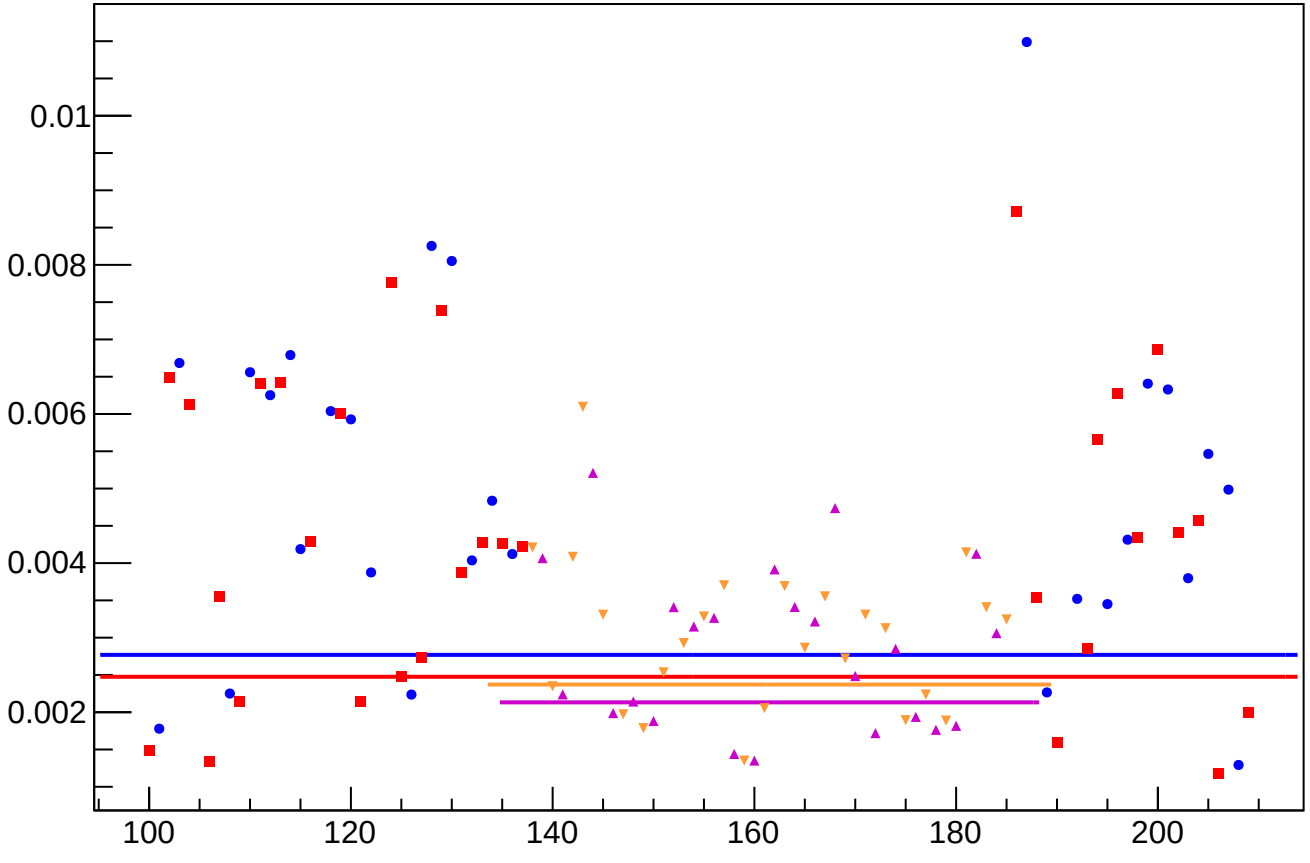
Right: -0.000+/-0.000 χ^2/NDF: 102.5/57

In: -0.000+/-0.000 χ^2/NDF:61.8/49

Out: -0.000+/-0.000 χ^2/NDF:92.3/55

All: -0.000+/-0.000 χ^2/NDF: 154.9/105

asym_usr_atr1_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.003+/-0.000 χ^2/NDF: 8016714.5/26

Left Out: 0.002+/-0.000 χ^2/NDF:4161142.1/24

Right Out: 0.002+/-0.000 χ^2/NDF: 8926669.8/30

Left In: 0.002+/-0.000 χ^2/NDF:4521223.3/22

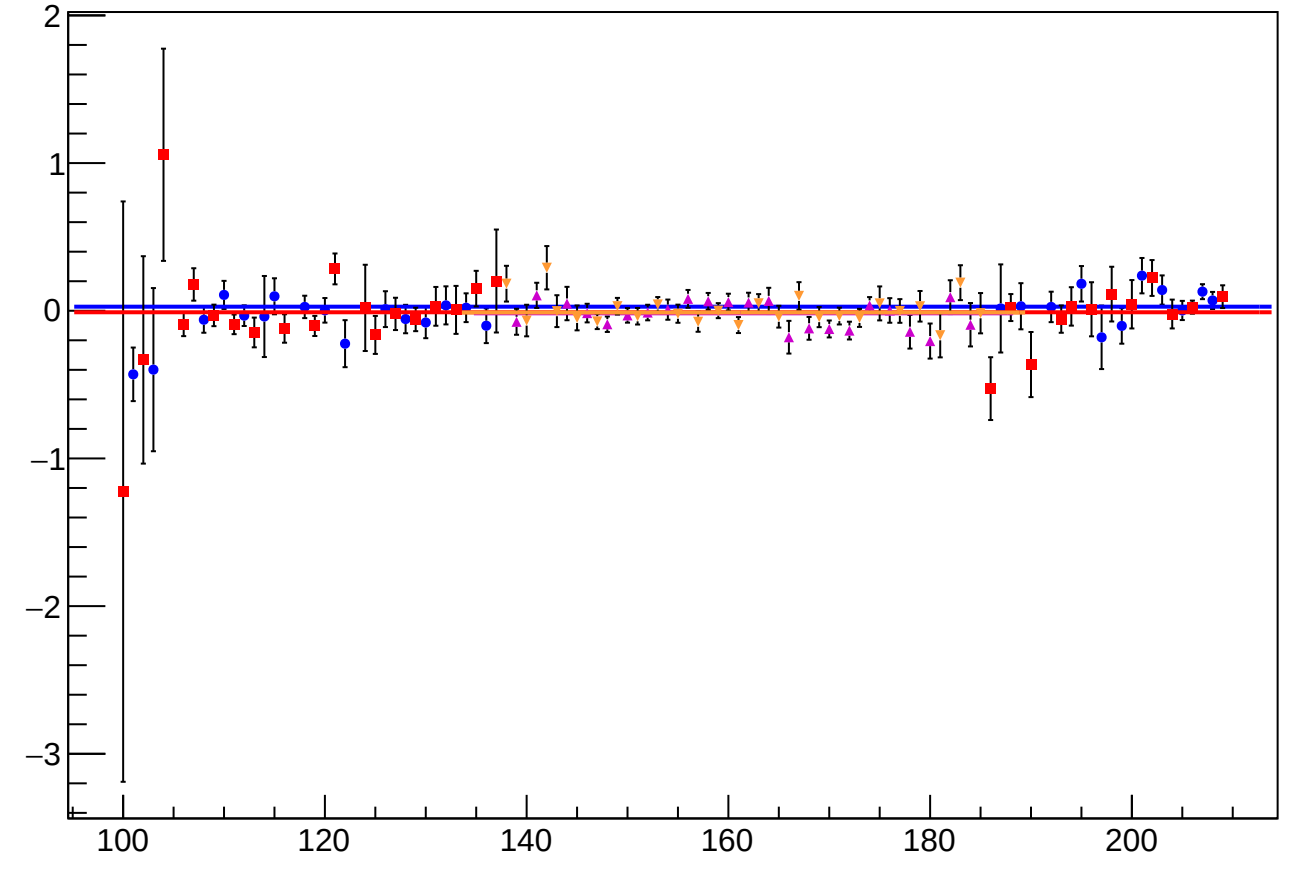
Left: 0.002+/-0.000 χ^2/NDF: 8864827.0/47

Right: 0.003+/-0.000 χ^2/NDF: 17083930.7/57

In: 0.002+/-0.000 χ^2/NDF:13372769.5/49

Out: 0.002+/-0.000 χ^2/NDF:13112195.1/55

All: 0.002+/-0.000 χ^2/NDF: 26523847.9/105



Right In: 0.028+/-0.019 χ^2/NDF: 28.3/26

Left Out: -0.012+/-0.014 χ^2/NDF:21.8/24

Right Out: -0.010+/-0.018 χ^2/NDF: 40.9/30

Left In: -0.017+/-0.014 χ^2/NDF:30.6/22

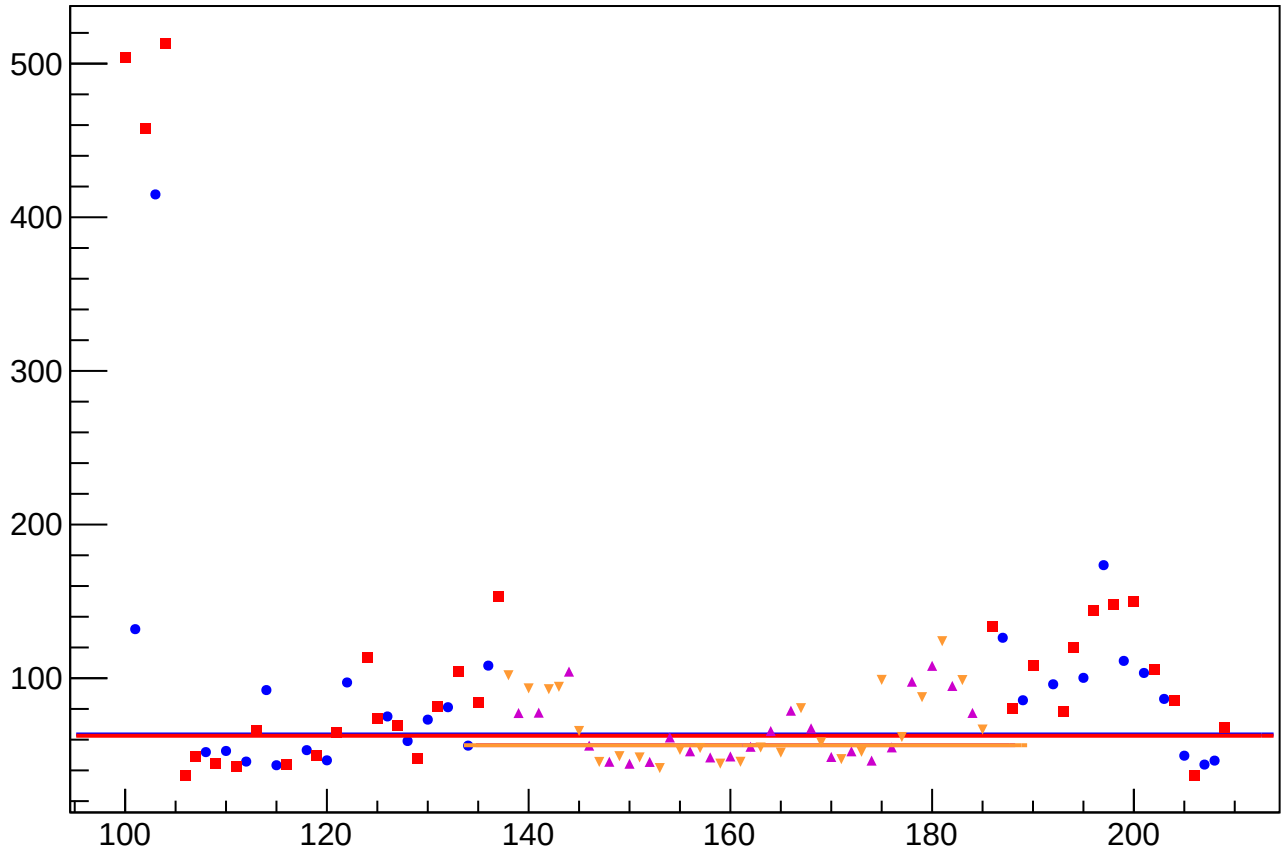
Left: -0.014+/-0.010 χ^2/NDF: 52.5/47

Right: 0.008+/-0.013 χ^2/NDF: 71.3/57

In: -0.001+/-0.011 χ^2/NDF:62.4/49

Out: -0.011+/-0.011 χ^2/NDF:62.8/55

All: -0.006+/-0.008 χ^2/NDF: 125.6/105



Right In: 63.372+/-0.013 χ^2/NDF: 4199546.8/26

Left Out: 56.374+/-0.010 χ^2/NDF:2797380.0/24

Right Out: 62.556+/-0.013 χ^2/NDF: 6019661.6/30

Left In: 56.467+/-0.010 χ^2/NDF:2140063.7/22

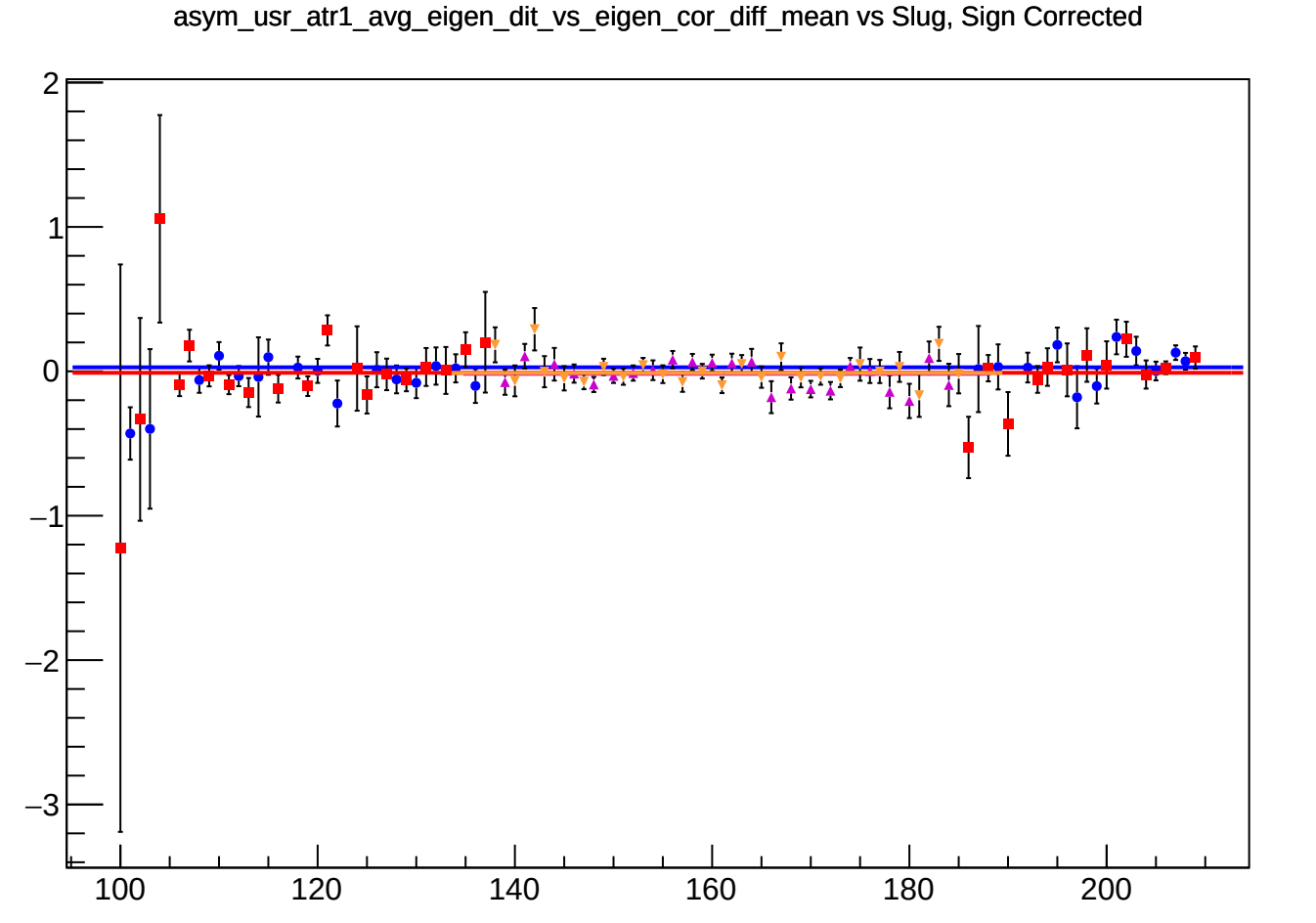
Left: 56.420+/-0.007 χ^2/NDF: 4937485.7/47

Right: 62.956+/-0.009 χ^2/NDF: 10221125.6/57

In: 59.035+/-0.008 χ^2/NDF:6508572.4/49

Out: 58.698+/-0.008 χ^2/NDF:8957278.6/55

All: 58.864+/-0.006 χ^2/NDF: 15466720.9/105



Right In: 0.028+/-0.019 χ^2/NDF: 28.3/26

Left Out: -0.012+/-0.014 χ^2/NDF:21.8/24

Right Out: -0.010+/-0.018 χ^2/NDF: 40.9/30

Left In: -0.017+/-0.014 χ^2/NDF:30.6/22

Left: -0.014+/-0.010 χ^2/NDF: 52.5/47

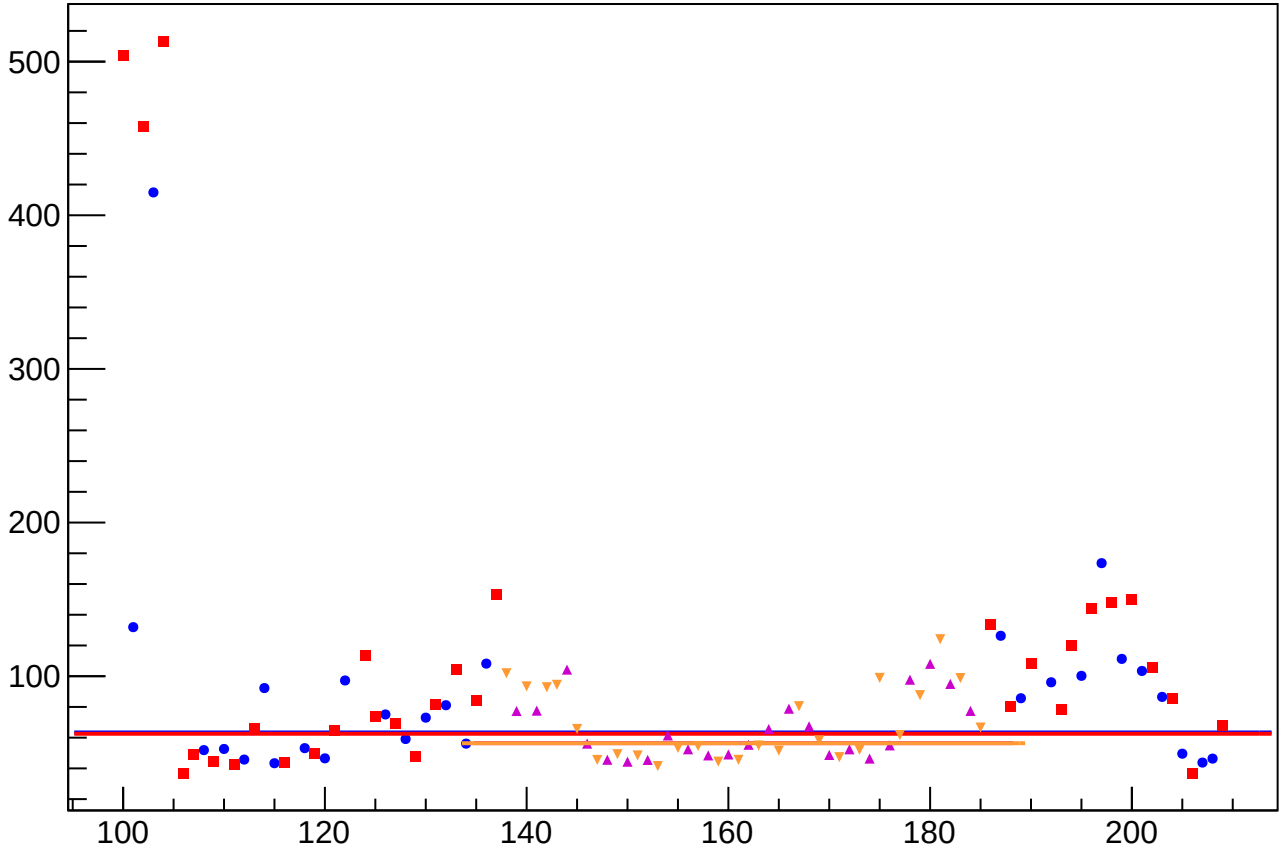
Right: 0.008+/-0.013 χ^2/NDF: 71.3/57

In: -0.001+/-0.011 χ^2/NDF:62.4/49

Out: -0.011+/-0.011 χ^2/NDF:62.8/55

All: -0.006+/-0.008 χ^2/NDF: 125.6/105

asym_usr_atr1_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 63.372+/-0.013 χ^2/NDF: 4199546.8/26

Left Out: 56.374+/-0.010 χ^2/NDF:2797380.0/24

Right Out: 62.556+/-0.013 χ^2/NDF: 6019661.6/30

Left In: 56.467+/-0.010 χ^2/NDF:2140063.7/22

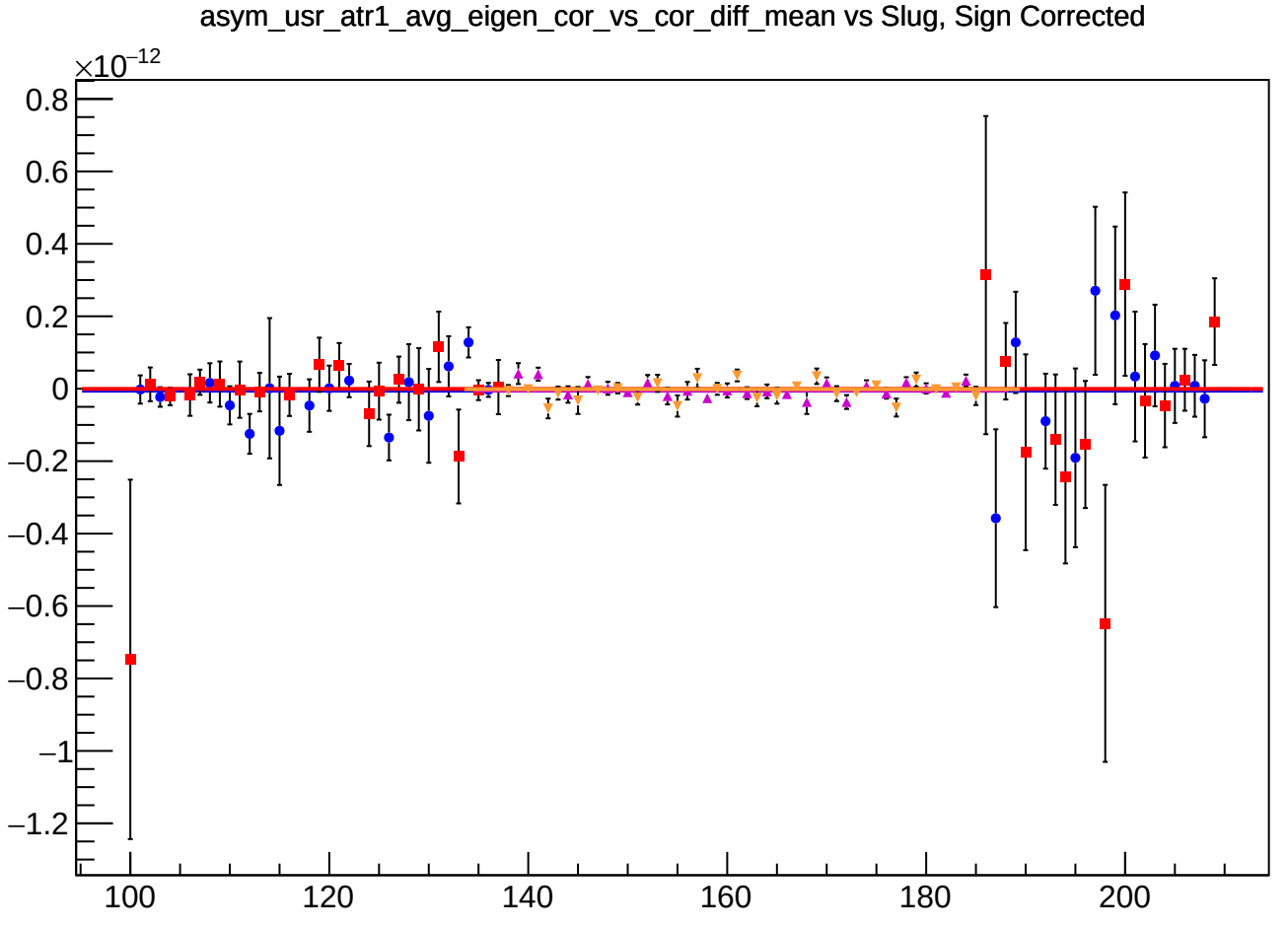
Left: 56.420+/-0.007 χ^2/NDF: 4937485.7/47

Right: 62.956+/-0.009 χ^2/NDF: 10221125.6/57

In: 59.035+/-0.008 χ^2/NDF:6508572.4/49

Out: 58.698+/-0.008 χ^2/NDF:8957278.6/55

All: 58.864+/-0.006 χ^2/NDF: 15466720.9/105



Right In: -0.000+/-0.000 χ^2/NDF: 29.3/26

Left Out: -0.000+/-0.000 χ^2/NDF:29.6/24

Right Out: -0.000+/-0.000 χ^2/NDF: 20.4/30

Left In: -0.000+/-0.000 χ^2/NDF:28.4/22

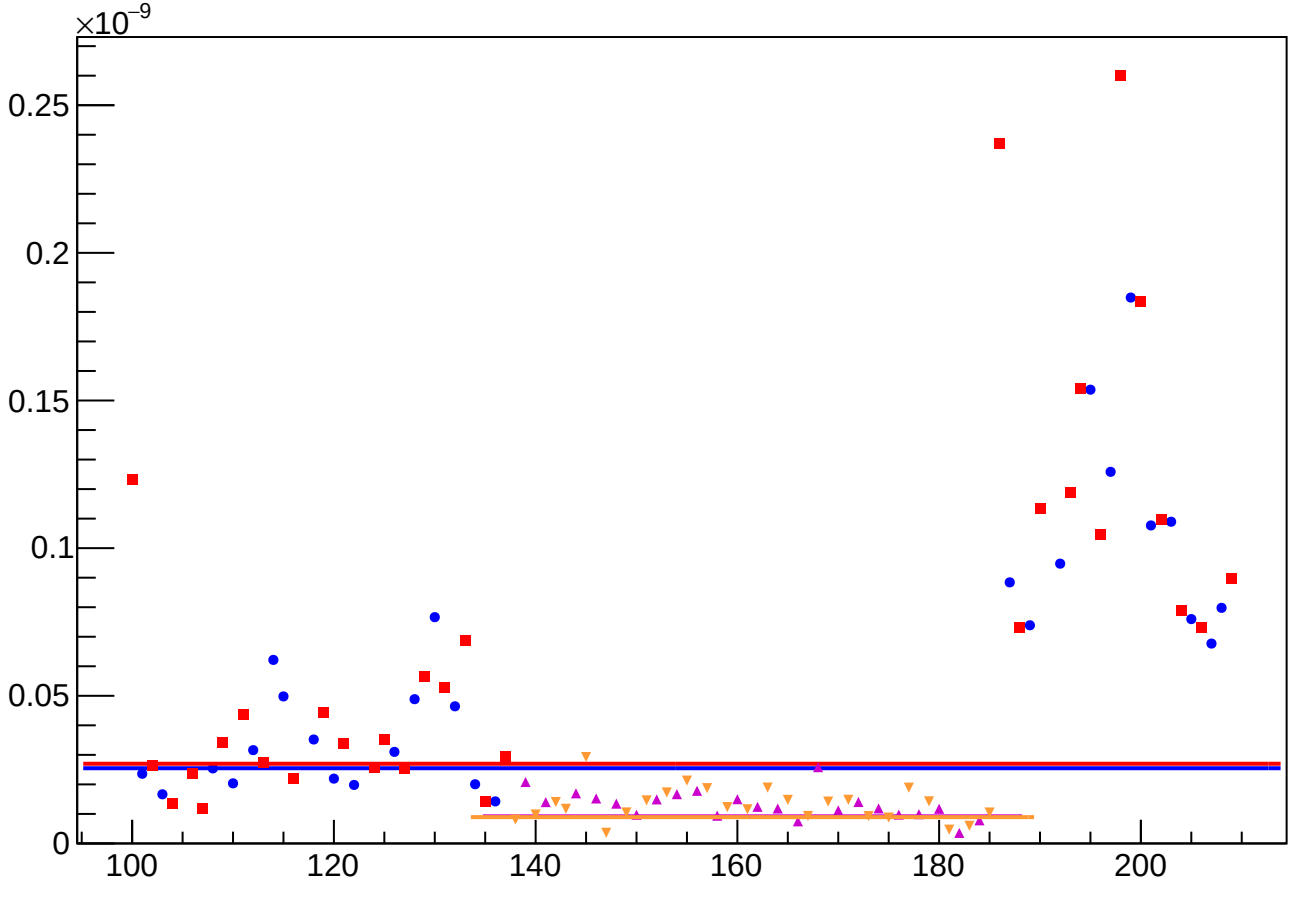
Left: -0.000+/-0.000 χ^2/NDF: 58.8/47

Right: -0.000+/-0.000 χ^2/NDF: 49.8/57

In: -0.000+/-0.000 χ^2/NDF:57.7/49

Out: -0.000+/-0.000 χ^2/NDF:50.0/55

All: -0.000+/-0.000 χ^2/NDF: 108.6/105



Right In: 0.000+/-0.000 χ^2/NDF: 7039487.0/26

Left Out: 0.000+/-0.000 χ^2/NDF:5051836.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 8400265.1/30

Left In: 0.000+/-0.000 χ^2/NDF:5079391.4/22

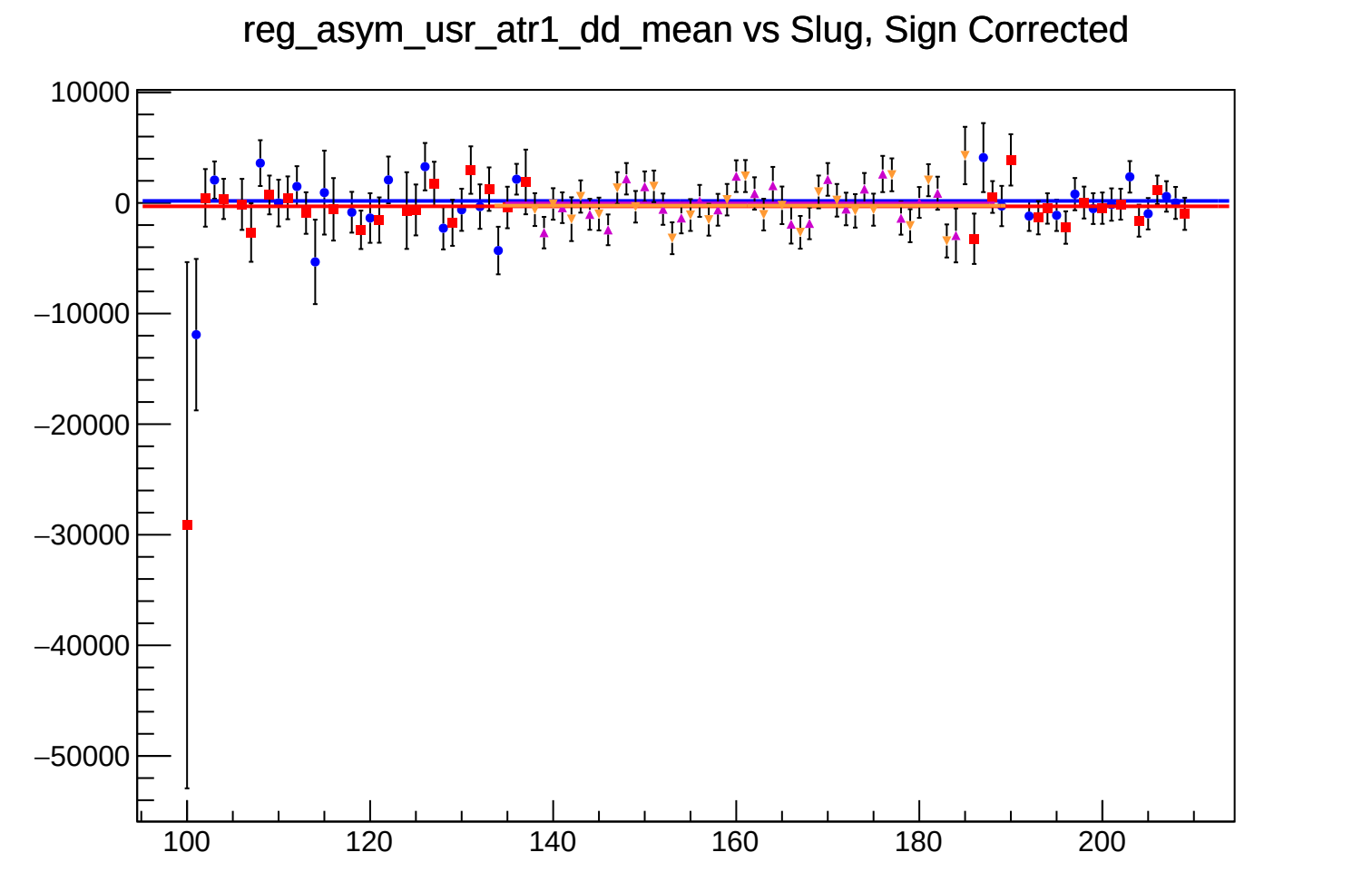
Left: 0.000+/-0.000 χ^2/NDF: 10139912.3/47

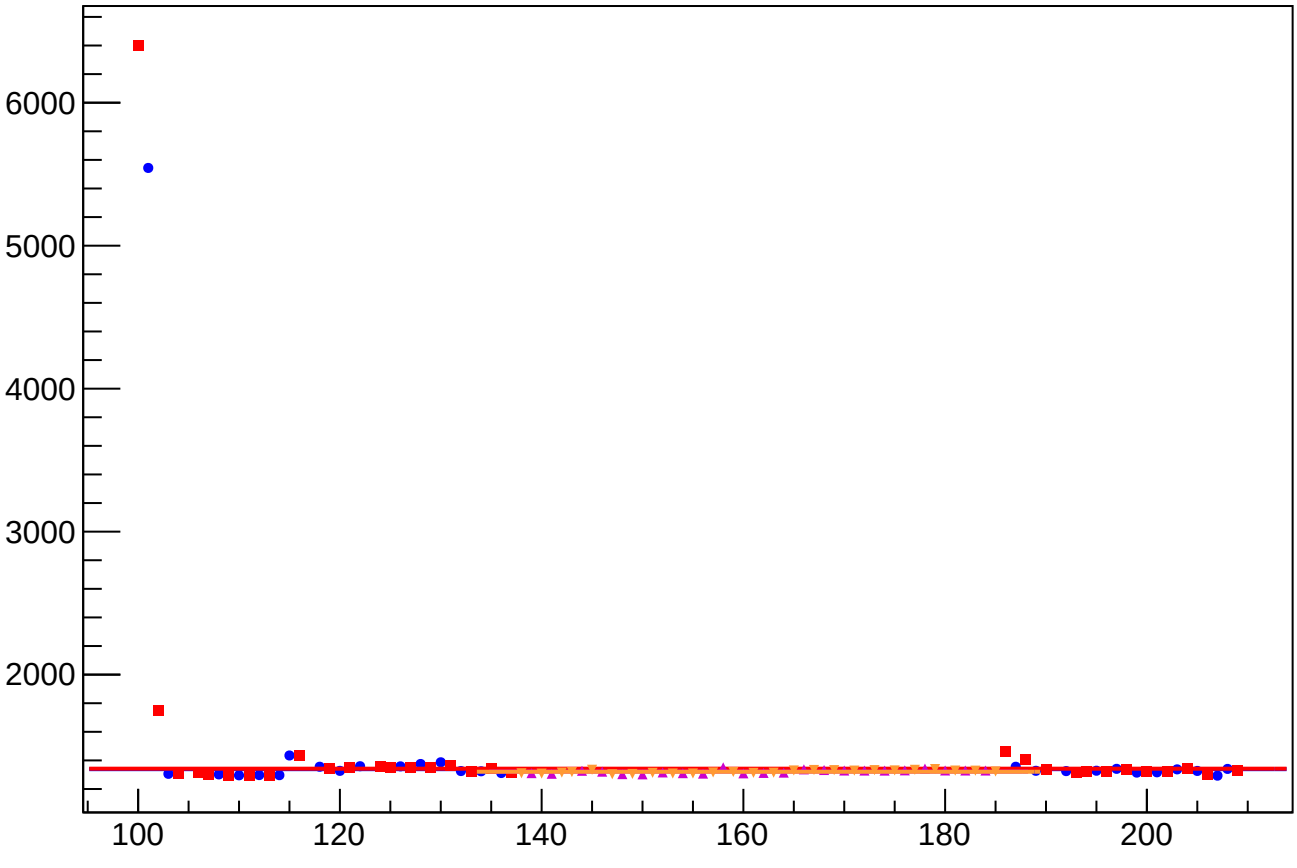
Right: 0.000+/-0.000 χ^2/NDF: 15458153.8/57

In: 0.000+/-0.000 χ^2/NDF:16277387.6/49

Out: 0.000+/-0.000 χ^2/NDF:18117033.4/55

All: 0.000+/-0.000 χ^2/NDF: 34407197.8/105


reg_asym_usr_atr1_dd_mean vs Slug, Sign Corrected
10000
0
−10000
−20000
−30000
−40000
−50000
100
120
140
160
180
200
Right In: 183.362+/-340.431 χ²/NDF: 28.8/26
Left Out: -240.873+/-300.008 χ²/NDF:31.7/24
Right Out: -304.696+/-327.448 χ²/NDF: 20.0/30
Left In: -39.122+/-308.622 χ²/NDF:27.1/22
Left: -142.853+/-215.118 χ²/NDF: 59.1/47
Right: -70.151+/-235.997 χ²/NDF: 49.9/57
In: 61.243+/-228.649 χ²/NDF:56.1/49
Out: -269.999+/-221.203 χ²/NDF:51.8/55
All: -109.859+/-158.981 χ²/NDF: 109.0/105



Right In: 1338.735+/-0.241 χ^2/NDF: 766418.8/26

Left Out: 1320.740+/-0.212 χ^2/NDF:2602.3/24

Right Out: 1342.129+/-0.232 χ^2/NDF: 161697.5/30

Left In: 1321.782+/-0.218 χ^2/NDF:3553.3/22

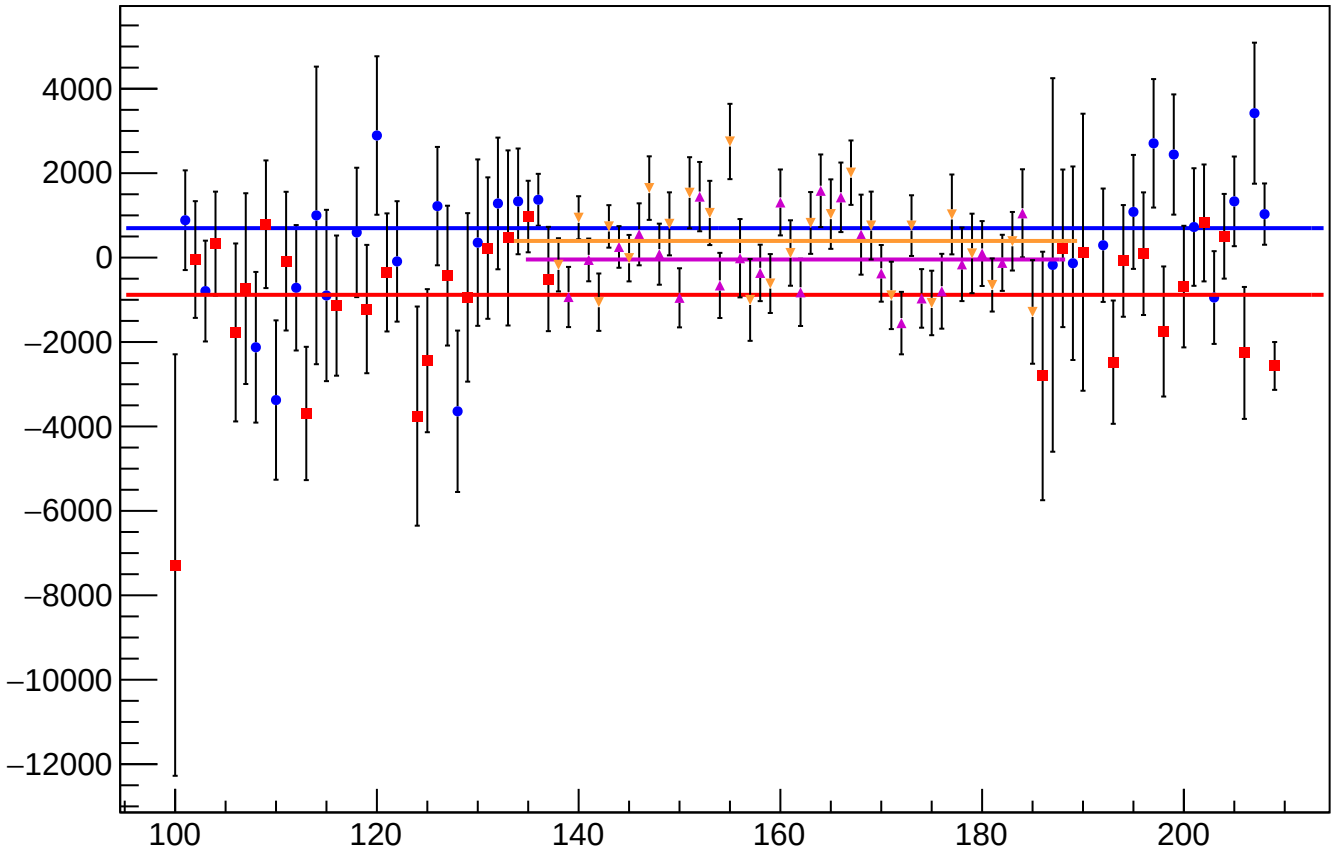
Left: 1321.247+/-0.152 χ^2/NDF: 6167.3/47

Right: 1340.498+/-0.167 χ^2/NDF: 928219.5/57

In: 1329.430+/-0.162 χ^2/NDF:772694.3/49

Out: 1330.501+/-0.156 χ^2/NDF:168939.0/55

All: 1329.983+/-0.112 χ^2/NDF: 941656.0/105



Right In: 697.604+/-254.128 χ^2/NDF: 27.9/26

Left Out: 394.550+/-144.562 χ^2/NDF:41.8/24

Right Out: -881.862+/-251.095 χ^2/NDF: 32.2/30

Left In: -44.777+/-152.333 χ^2/NDF:27.6/22

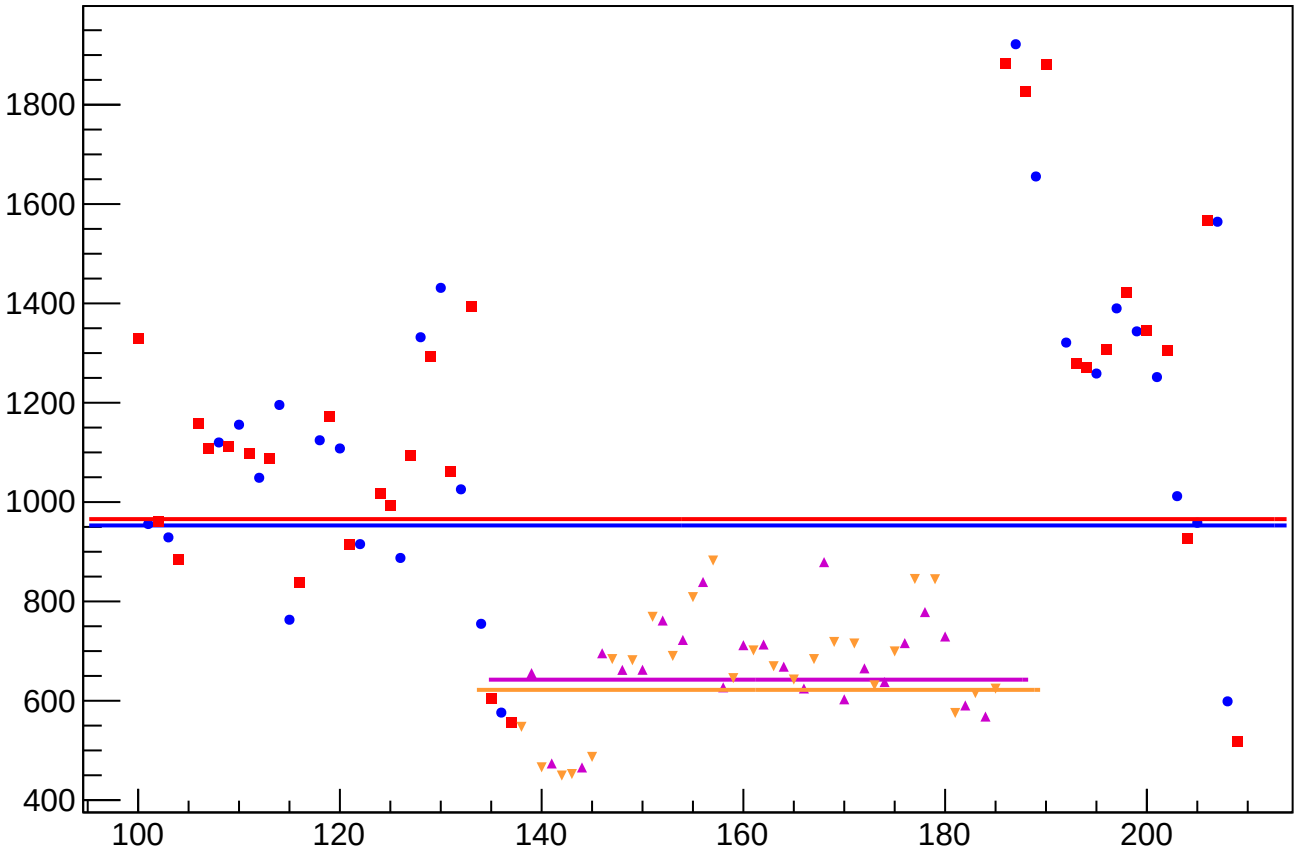
Left: 186.377+/-104.860 χ^2/NDF: 73.8/47

Right: -101.610+/-178.614 χ^2/NDF: 79.6/57

In: 151.462+/-130.657 χ^2/NDF:61.8/49

Out: 76.794+/-125.282 χ^2/NDF:93.4/55

All: 112.561+/-90.428 χ^2/NDF: 155.3/105



Right In: 952.955+/-0.180 χ^2/NDF: 2818221.1/26

Left Out: 621.950+/-0.102 χ^2/NDF:1383473.2/24

Right Out: 965.728+/-0.178 χ^2/NDF: 3947038.0/30

Left In: 642.470+/-0.108 χ^2/NDF:926330.5/22

Left: 631.673+/-0.074 χ^2/NDF: 2328898.3/47

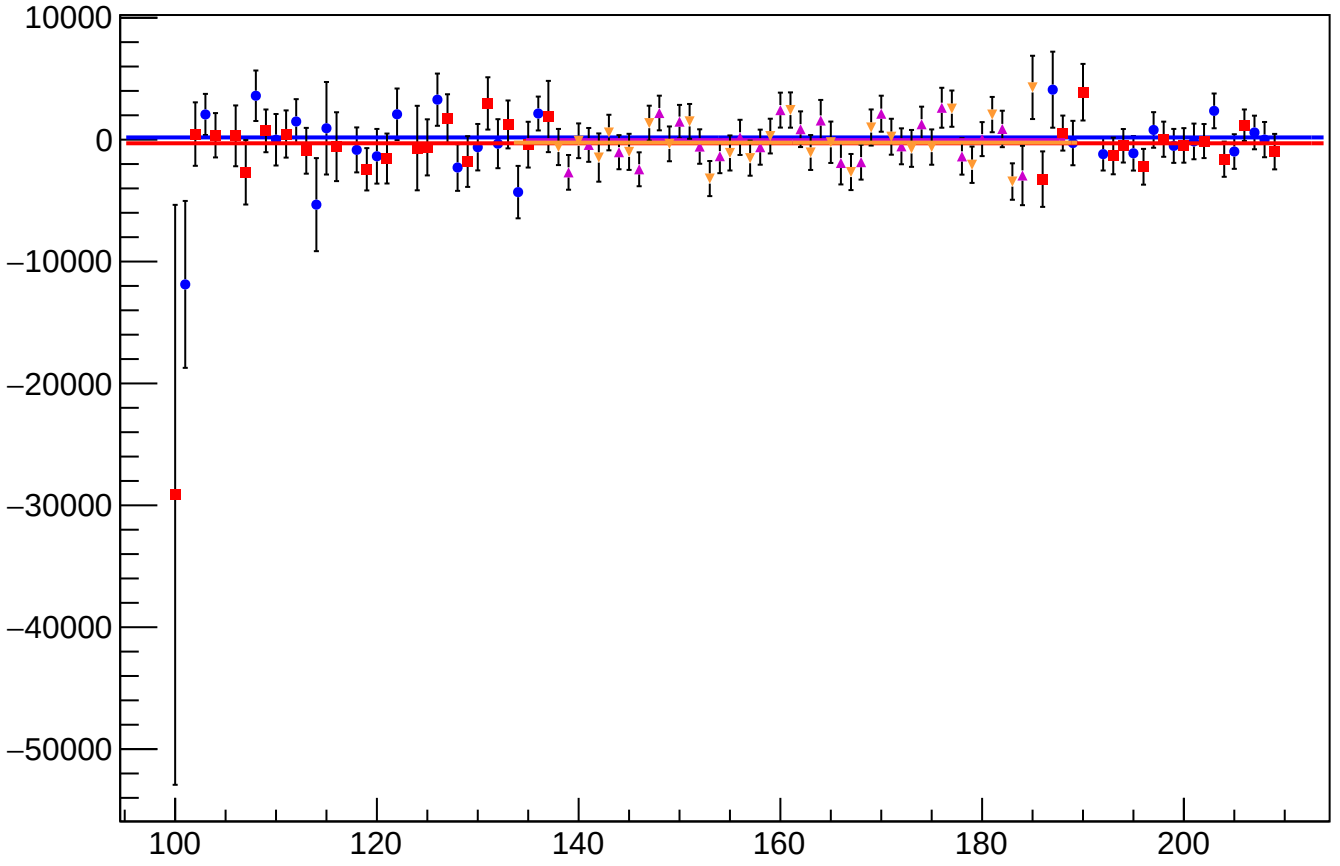
Right: 959.418+/-0.126 χ^2/NDF: 6767815.9/57

In: 724.543+/-0.092 χ^2/NDF:5940809.2/49

Out: 707.532+/-0.089 χ^2/NDF:8146179.9/55

All: 715.680+/-0.064 χ^2/NDF: 14104652.0/10

cor_asym_usr_atr1_dd_mean vs Slug, Sign Corrected



Right In: 183.456+/-340.431 χ^2/NDF: 28.7/26

Left Out: -240.875+/-300.008 χ^2/NDF:31.7/24

Right Out: -297.684+/-327.924 χ^2/NDF: 20.1/30

Left In: -39.193+/-308.622 χ^2/NDF:27.1/22

Left: -142.888+/-215.118 χ^2/NDF: 59.1/47

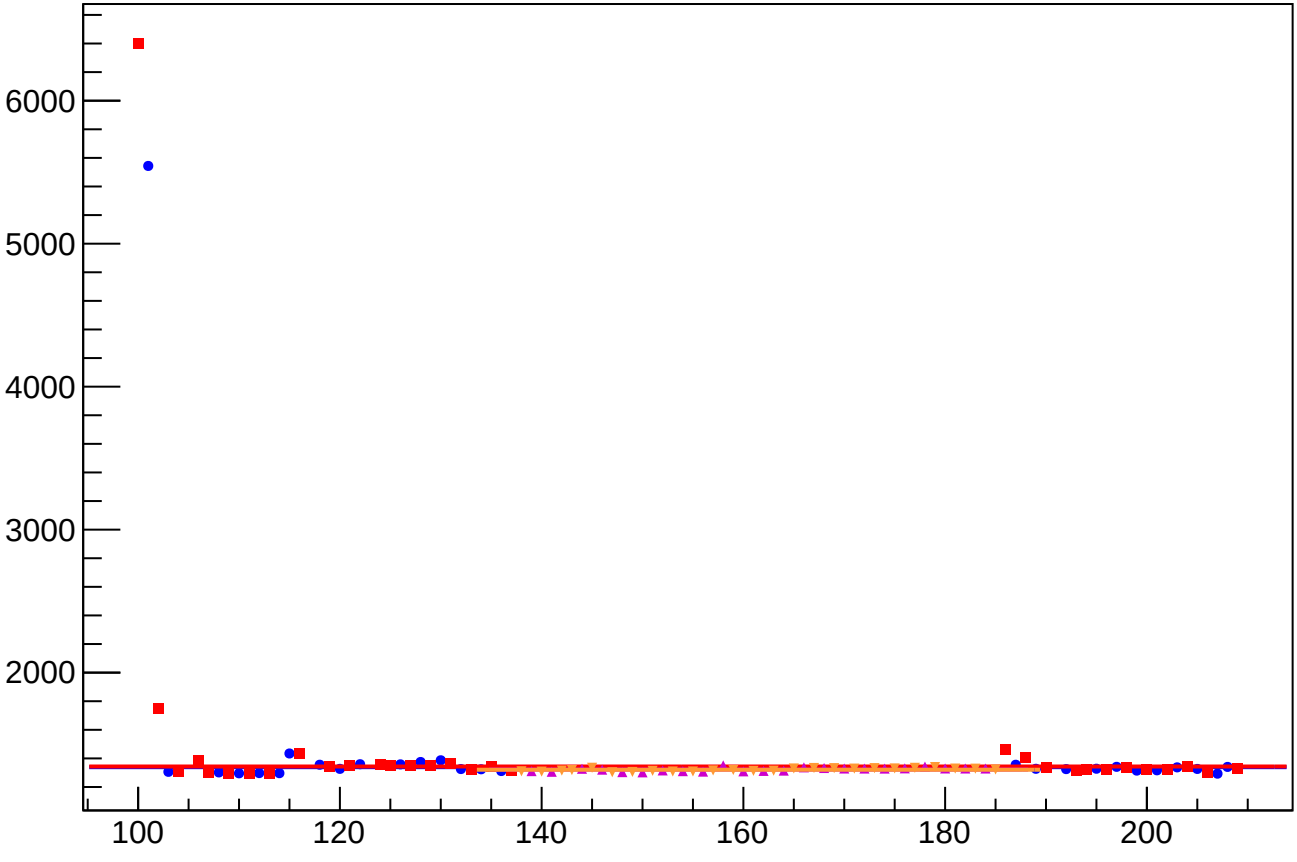
Right: -66.114+/-236.175 χ^2/NDF: 49.9/57

In: 61.246+/-228.649 χ^2/NDF:56.1/49

Out: -266.759+/-221.350 χ^2/NDF:51.8/55

All: -108.075+/-159.036 χ^2/NDF: 109.0/105

cor_asym_usr_atr1_dd_rms vs Slug, Sign Corrected



Right In: 1338.735+/-0.241 χ^2/NDF: 766417.8/26

Left Out: 1320.740+/-0.212 χ^2/NDF:2602.3/24

Right Out: 1343.432+/-0.232 χ^2/NDF: 162137.6/30

Left In: 1321.783+/-0.218 χ^2/NDF:3553.3/22

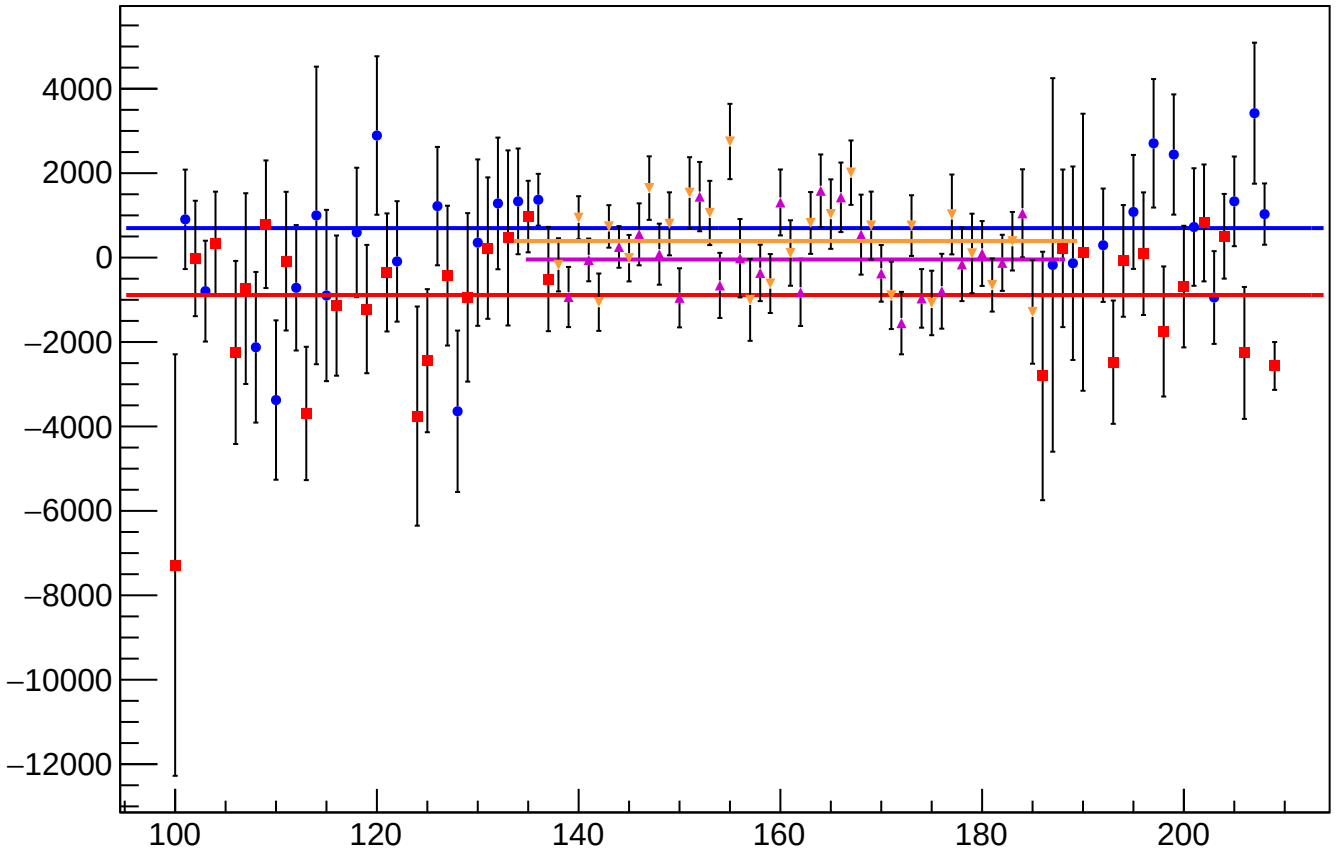
Left: 1321.247+/-0.152 χ^2/NDF: 6167.3/47

Right: 1341.172+/-0.167 χ^2/NDF: 928752.9/57

In: 1329.430+/-0.162 χ^2/NDF:772693.4/49

Out: 1331.079+/-0.157 χ^2/NDF:169953.3/55

All: 1330.281+/-0.112 χ^2/NDF: 942700.4/105



Right In: 698.596+/-254.103 χ^2/NDF: 27.9/26

Left Out: 394.522+/-144.562 χ^2/NDF:41.8/24

Right Out: -886.129+/-251.096 χ^2/NDF: 32.4/30

Left In: -44.766+/-152.332 χ^2/NDF:27.6/22

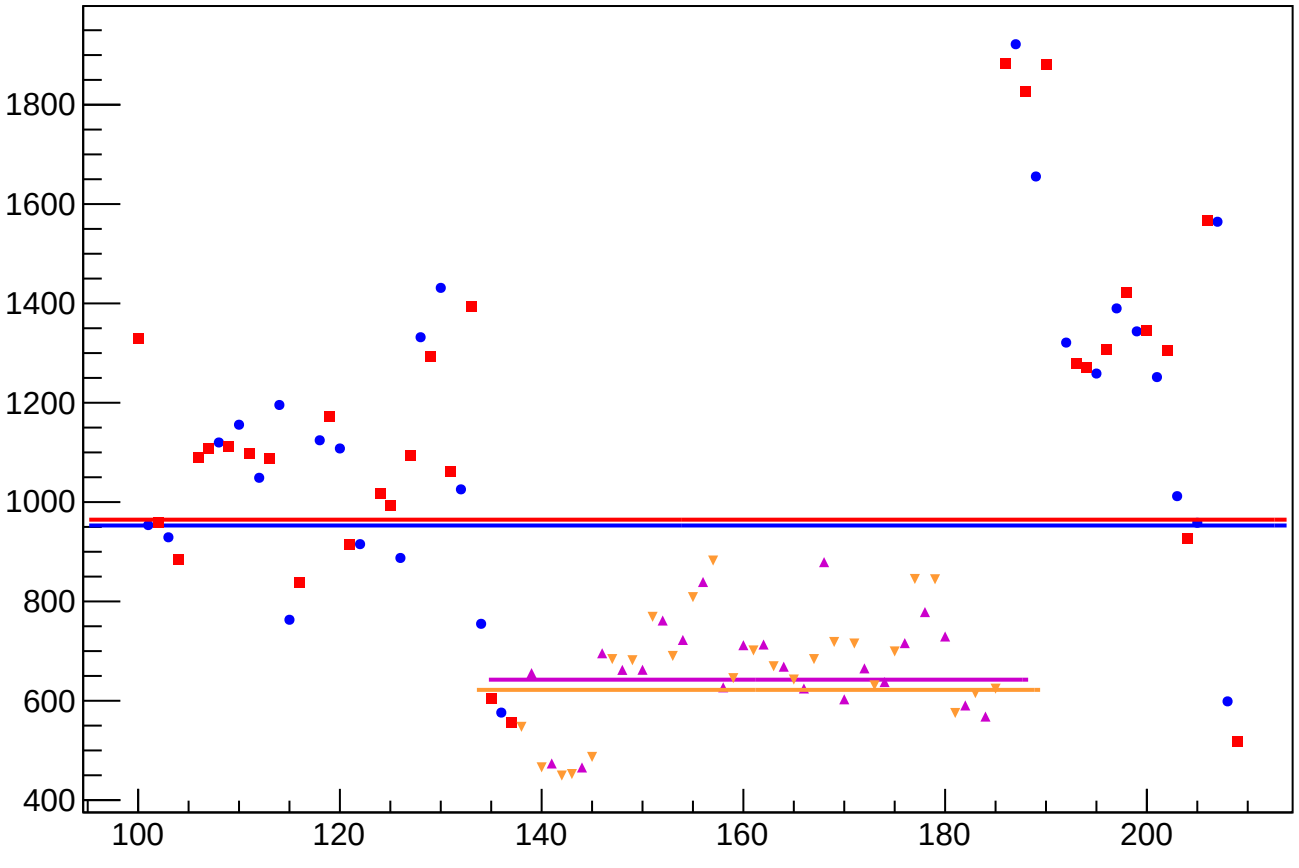
Left: 186.367+/-104.860 χ^2/NDF: 73.8/47

Right: -103.201+/-178.605 χ^2/NDF: 80.0/57

In: 151.759+/-130.653 χ^2/NDF:61.8/49

Out: 75.713+/-125.282 χ^2/NDF:93.8/55

All: 112.141+/-90.427 χ^2/NDF: 155.8/105



Right In: 952.865+/-0.180 χ^2/NDF: 2818232.0/26

Left Out: 621.950+/-0.102 χ^2/NDF:1383373.4/24

Right Out: 964.611+/-0.178 χ^2/NDF: 3937174.7/30

Left In: 642.465+/-0.108 χ^2/NDF:926376.1/22

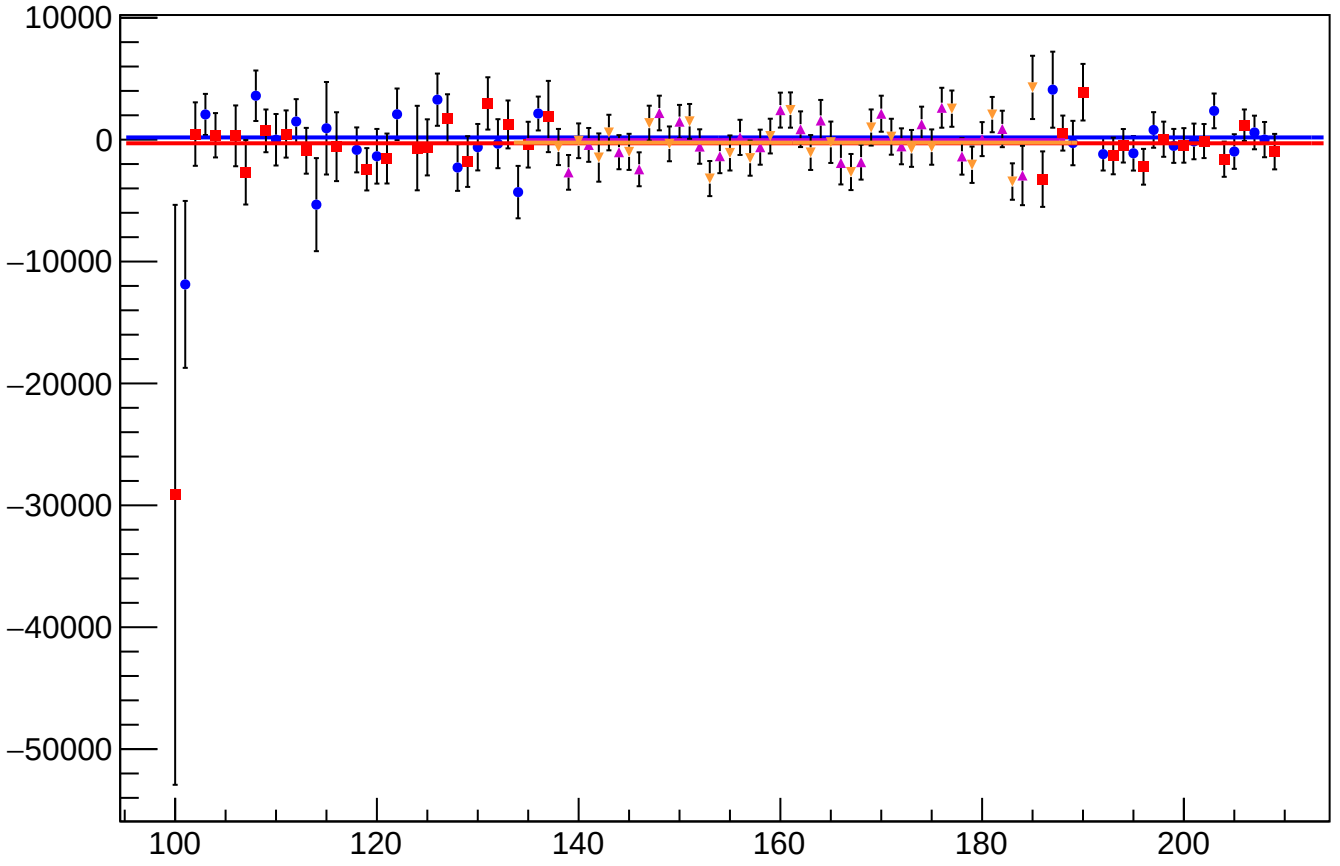
Left: 631.671+/-0.074 χ^2/NDF: 2328835.4/47

Right: 958.808+/-0.126 χ^2/NDF: 6757568.8/57

In: 724.527+/-0.092 χ^2/NDF:5939985.5/49

Out: 707.253+/-0.089 χ^2/NDF:8117934.9/55

All: 715.528+/-0.064 χ^2/NDF: 14076132.7/10



Right In: 183.456+/-340.431 χ^2/NDF: 28.7/26

Left Out: -240.875+/-300.008 χ^2/NDF:31.7/24

Right Out: -297.684+/-327.924 χ^2/NDF: 20.1/30

Left In: -39.193+/-308.622 χ^2/NDF:27.1/22

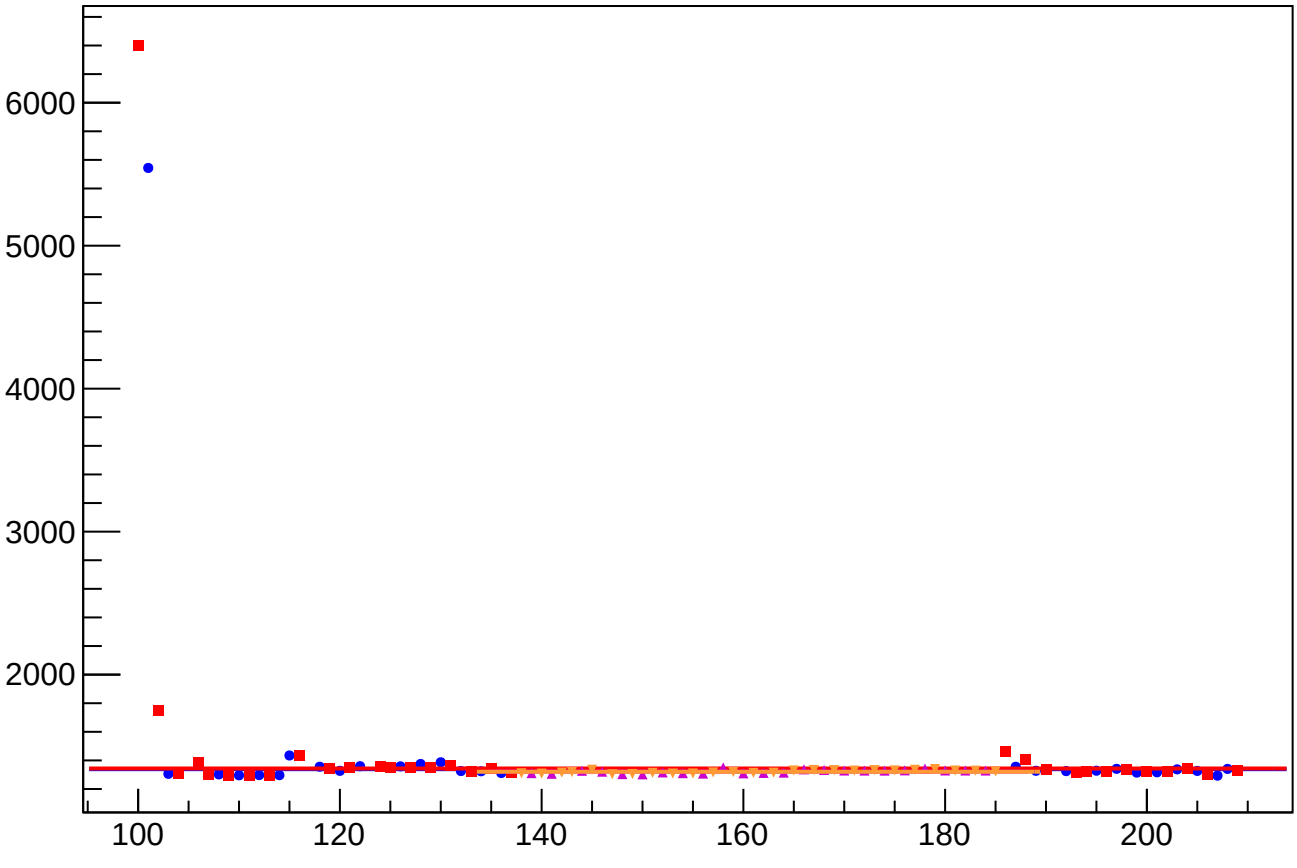
Left: -142.888+/-215.118 χ^2/NDF: 59.1/47

Right: -66.114+/-236.175 χ^2/NDF: 49.9/57

In: 61.246+/-228.649 χ^2/NDF:56.1/49

Out: -266.759+/-221.350 χ^2/NDF:51.8/55

All: -108.075+/-159.036 χ^2/NDF: 109.0/105



Right In: 1338.735+/-0.241 χ^2/NDF: 766417.8/26

Left Out: 1320.740+/-0.212 χ^2/NDF:2602.3/24

Right Out: 1343.432+/-0.232 χ^2/NDF: 162137.6/30

Left In: 1321.783+/-0.218 χ^2/NDF:3553.3/22

Left: 1321.247+/-0.152 χ^2/NDF: 6167.3/47

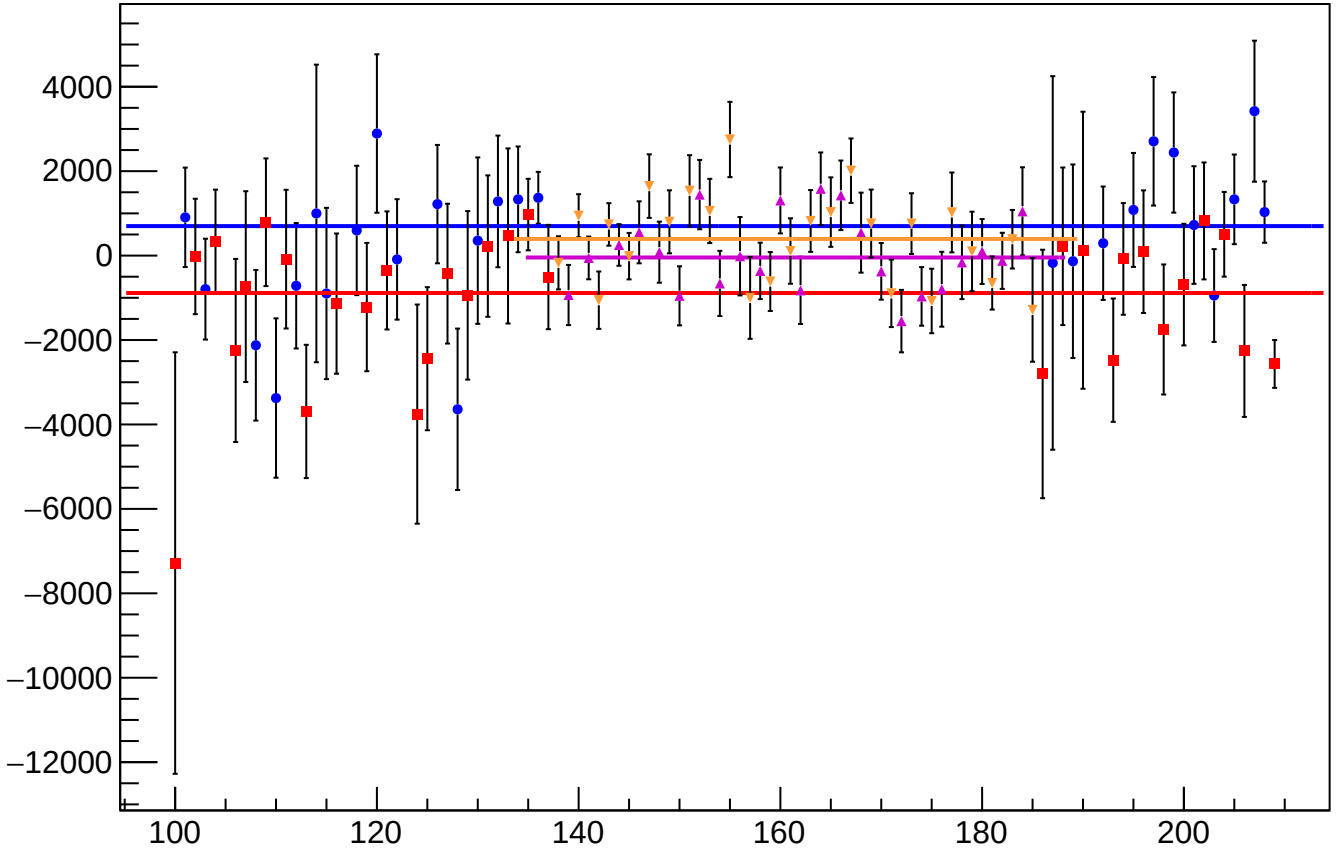
Right: 1341.172+/-0.167 χ^2/NDF: 928752.9/57

In: 1329.430+/-0.162 χ^2/NDF:772693.4/49

Out: 1331.079+/-0.157 χ^2/NDF:169953.3/55

All: 1330.281+/-0.112 χ^2/NDF: 942700.4/105

asym_usr_atr1_dd_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: 698.596+/-254.103 χ^2/NDF: 27.9/26

Left Out: 394.522+/-144.562 χ^2/NDF:41.8/24

Right Out: -886.129+/-251.096 χ^2/NDF: 32.4/30

Left In: -44.766+/-152.332 χ^2/NDF:27.6/22

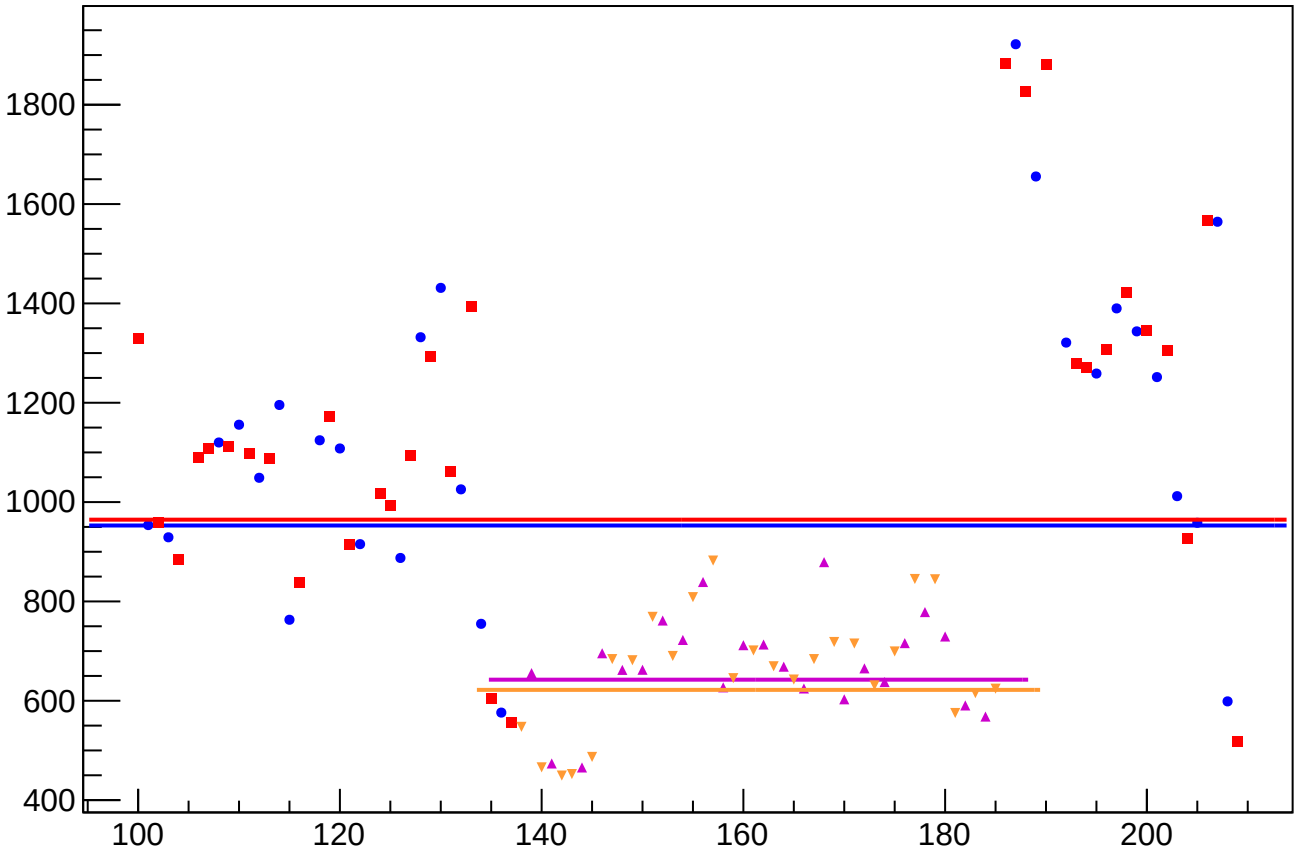
Left: 186.367+/-104.860 χ^2/NDF: 73.8/47

Right: -103.201+/-178.605 χ^2/NDF: 80.0/57

In: 151.759+/-130.653 χ^2/NDF:61.8/49

Out: 75.713+/-125.282 χ^2/NDF:93.8/55

All: 112.141+/-90.427 χ^2/NDF: 155.8/105



Right In: 952.865+/-0.180 χ^2/NDF: 2818232.0/26

Left Out: 621.950+/-0.102 χ^2/NDF:1383373.4/24

Right Out: 964.611+/-0.178 χ^2/NDF: 3937174.7/30

Left In: 642.465+/-0.108 χ^2/NDF:926376.1/22

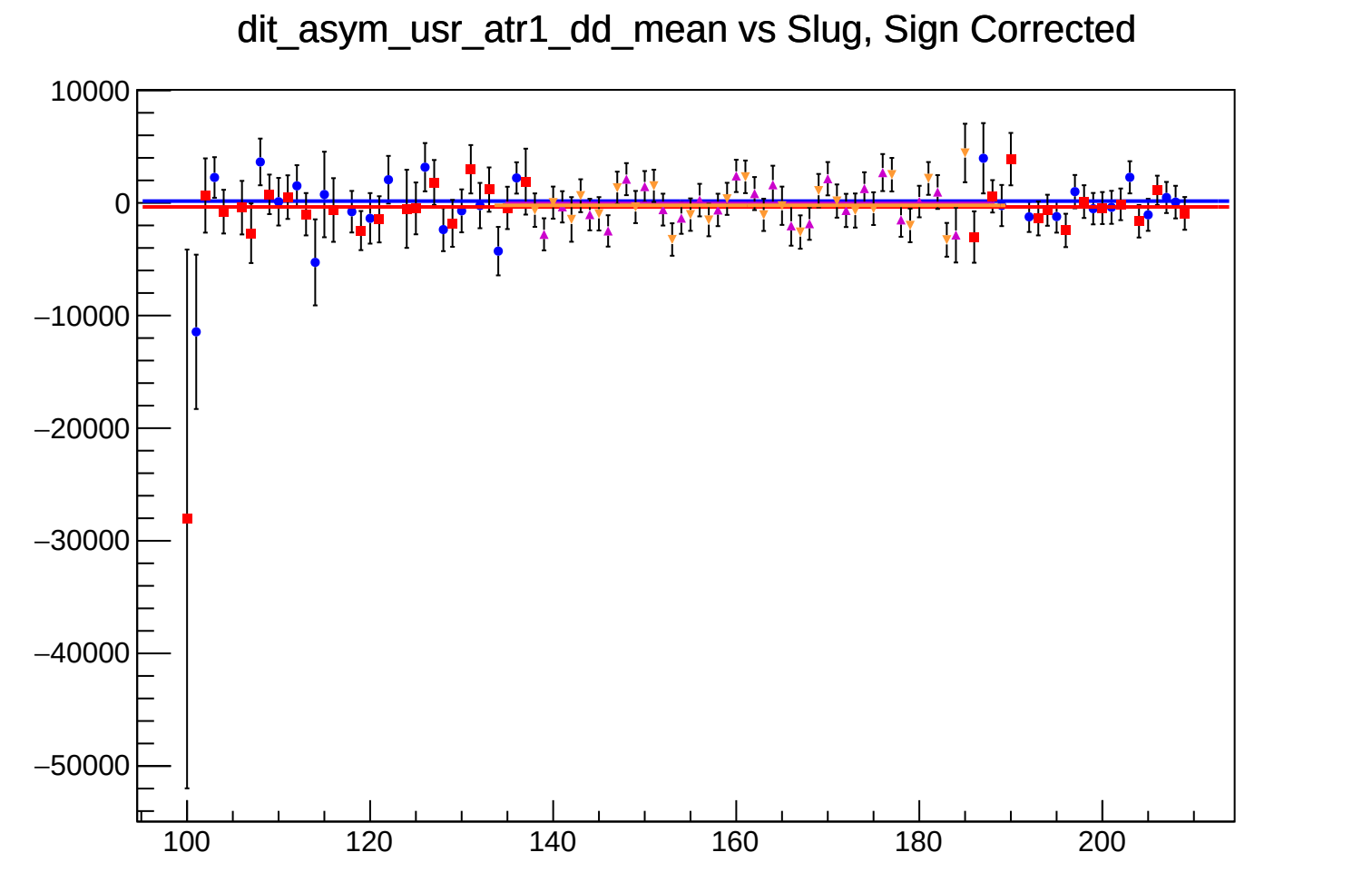
Left: 631.671+/-0.074 χ^2/NDF: 2328835.4/47

Right: 958.808+/-0.126 χ^2/NDF: 6757568.8/57

In: 724.527+/-0.092 χ^2/NDF:5939985.5/49

Out: 707.253+/-0.089 χ^2/NDF:8117934.9/55

All: 715.528+/-0.064 χ^2/NDF: 14076132.7/10



Right In: 161.141+/-341.991 χ^2/NDF: 28.8/26

Left Out: -215.033+/-300.379 χ^2/NDF:31.3/24

Right Out: -358.633+/-330.078 χ^2/NDF: 20.0/30

Left In: -50.244+/-308.986 χ^2/NDF:27.8/22

Left: -134.966+/-215.379 χ^2/NDF: 59.2/47

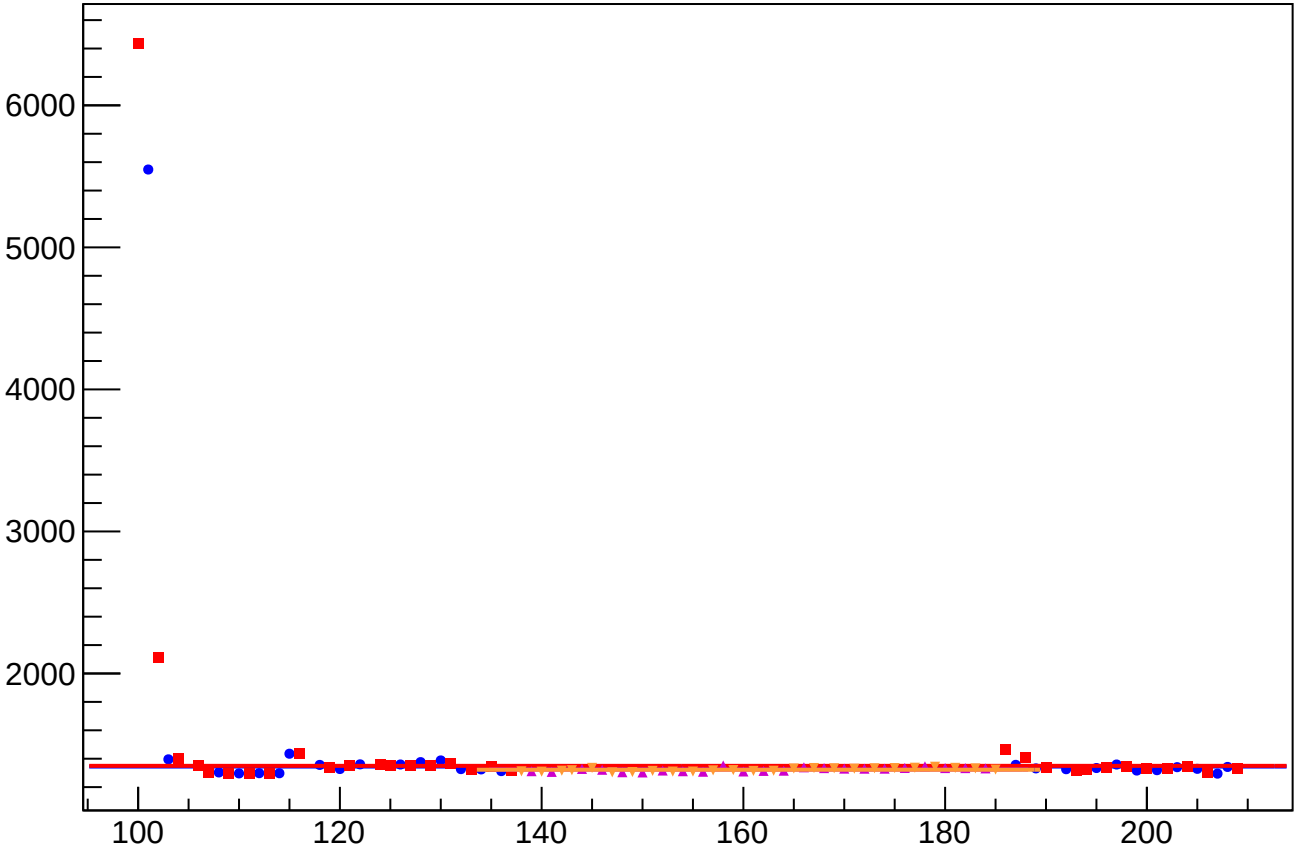
Right: -107.956+/-237.500 χ^2/NDF: 50.0/57

In: 44.759+/-229.269 χ^2/NDF:56.8/49

Out: -280.083+/-222.159 χ^2/NDF:51.4/55

All: -122.777+/-159.545 χ^2/NDF: 109.3/105

dit_asym_usr_atr1_dd_rms vs Slug, Sign Corrected



Right In: 1344.828+/-0.242 χ^2/NDF: 767142.6/26

Left Out: 1322.369+/-0.212 χ^2/NDF:2931.9/24

Right Out: 1349.767+/-0.233 χ^2/NDF: 220138.8/30

Left In: 1323.337+/-0.218 χ^2/NDF:3856.3/22

Left: 1322.839+/-0.152 χ^2/NDF: 6798.3/47

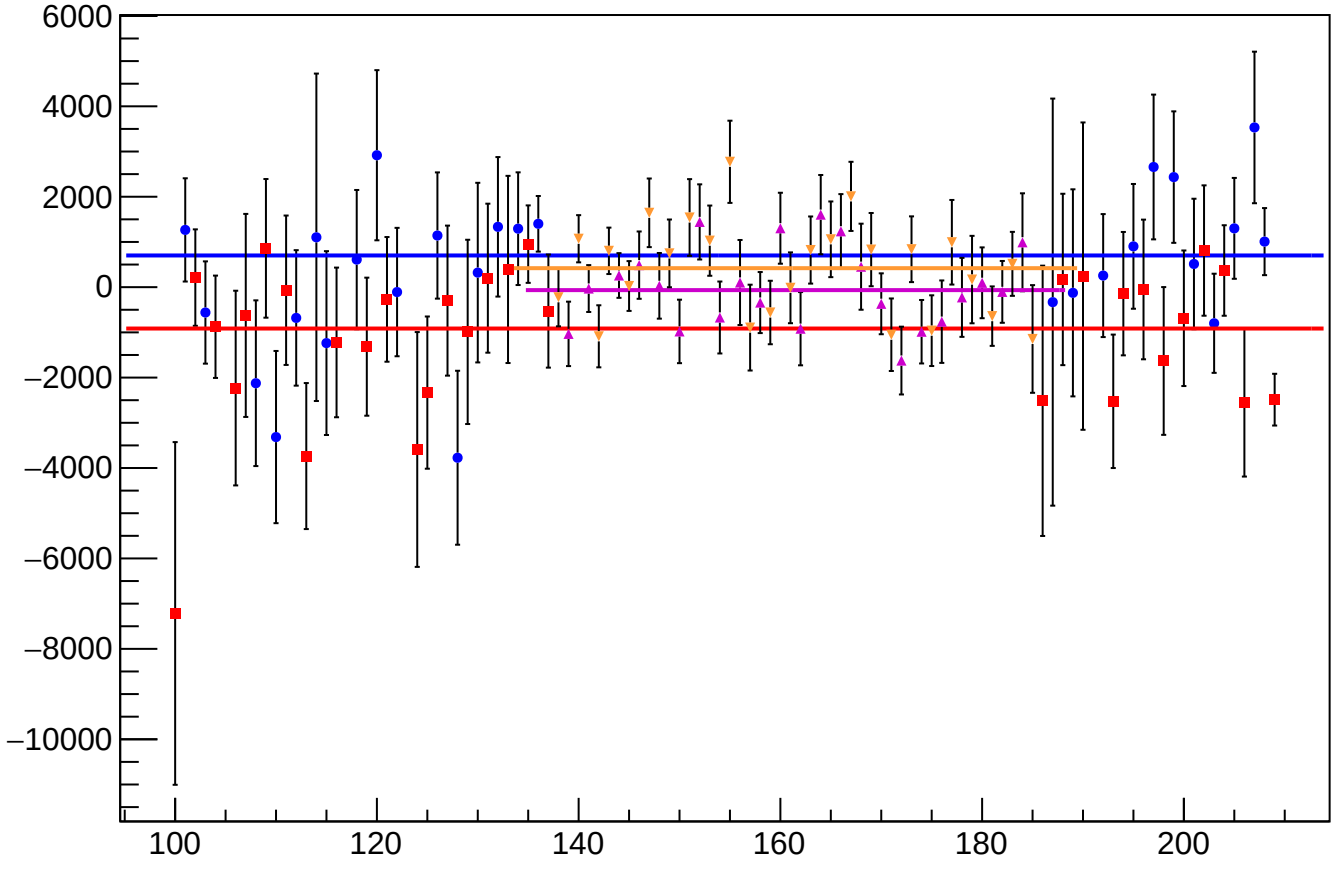
Right: 1347.385+/-0.168 χ^2/NDF: 987497.3/57

In: 1332.996+/-0.162 χ^2/NDF:775347.2/49

Out: 1334.780+/-0.157 χ^2/NDF:230607.9/55

All: 1333.916+/-0.113 χ^2/NDF: 1006017.6/10

asym_usr_atr1_dd_dit_correction_mean vs Slug, Sign Corrected



Right In: 701.042+/-255.751 χ^2/NDF: 27.5/26

Left Out: 419.899+/-146.436 χ^2/NDF:41.5/24

Right Out: -915.049+/-250.267 χ^2/NDF: 31.3/30

Left In: -65.405+/-154.224 χ^2/NDF:27.0/22

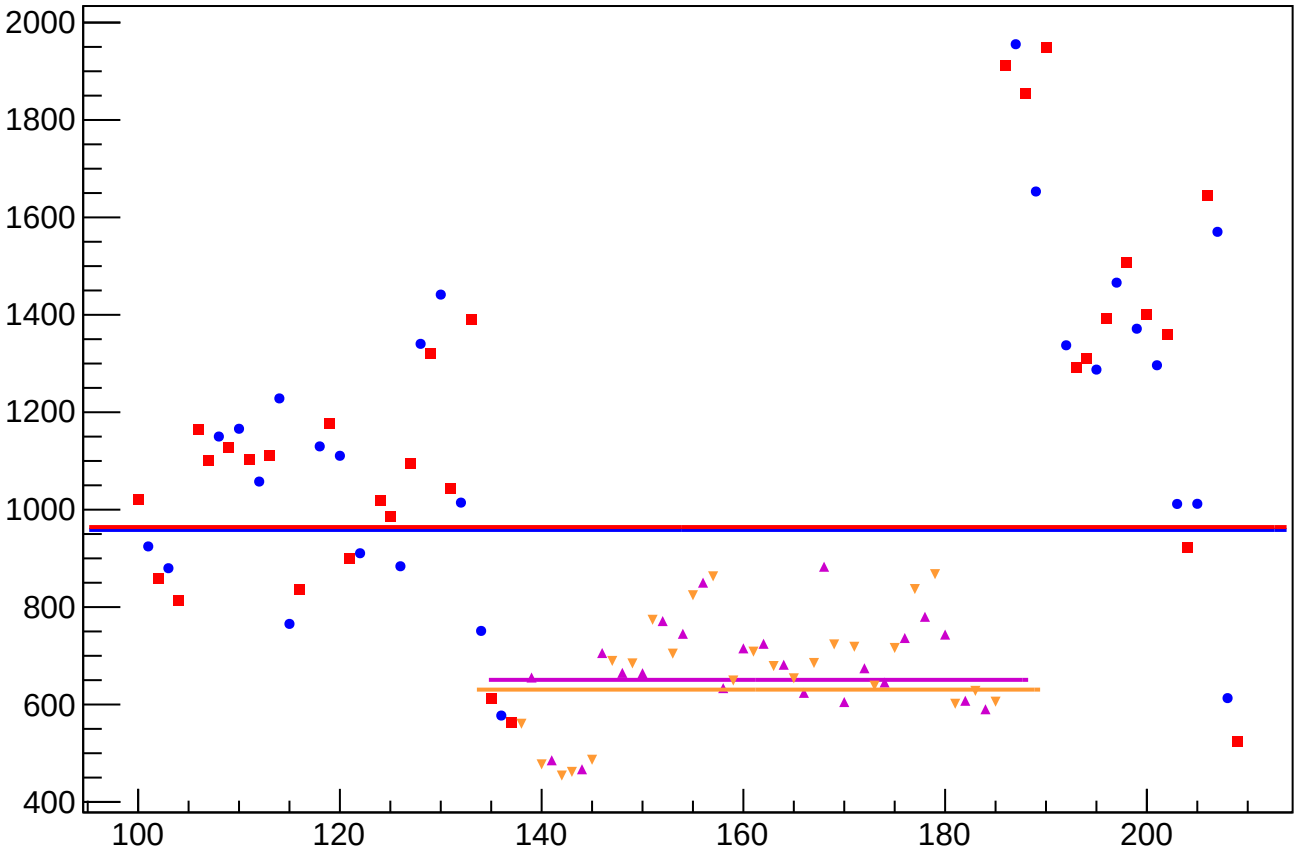
Left: 189.810+/-106.192 χ^2/NDF: 73.8/47

Right: -124.515+/-178.873 χ^2/NDF: 79.1/57

In: 138.982+/-132.070 χ^2/NDF:61.1/49

Out: 79.427+/-126.390 χ^2/NDF:94.0/55

All: 107.896+/-91.313 χ^2/NDF: 155.2/105



Right In: 958.403+/-0.181 χ^2/NDF: 2896868.2/26

Left Out: 630.592+/-0.104 χ^2/NDF:1328590.6/24

Right Out: 964.292+/-0.177 χ^2/NDF: 4166229.2/30

Left In: 650.637+/-0.109 χ^2/NDF:922078.1/22

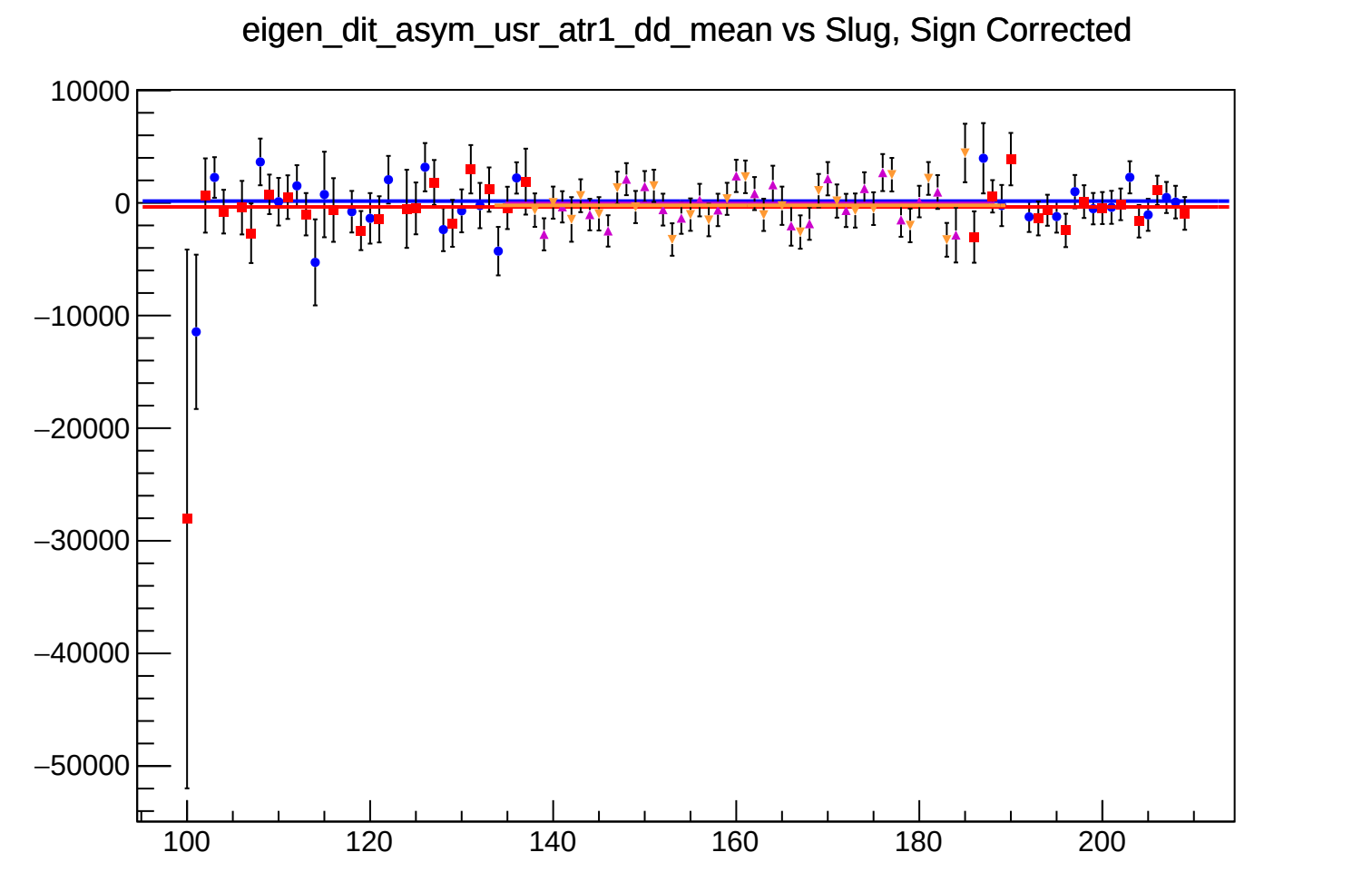
Left: 640.095+/-0.075 χ^2/NDF: 2268436.2/47

Right: 961.412+/-0.126 χ^2/NDF: 7063639.1/57

In: 732.708+/-0.093 χ^2/NDF:5942868.3/49

Out: 715.700+/-0.089 χ^2/NDF:8143721.6/55

All: 723.831+/-0.065 χ^2/NDF: 14103902.8/10



Right In: 161.141+/-341.991 χ^2/NDF: 28.8/26

Left Out: -215.035+/-300.379 χ^2/NDF:31.3/24

Right Out: -358.632+/-330.078 χ^2/NDF: 20.0/30

Left In: -50.244+/-308.986 χ^2/NDF:27.8/22

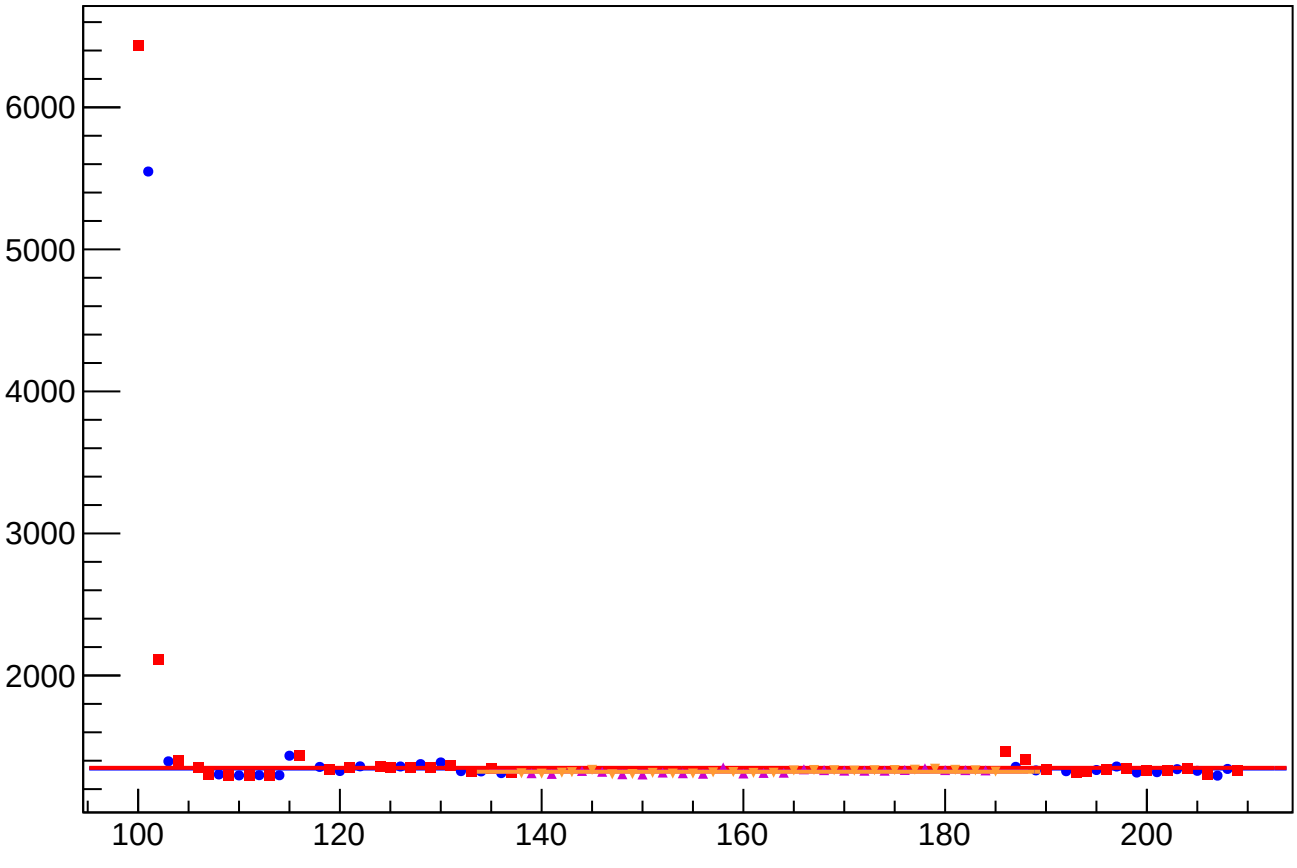
Left: -134.967+/-215.379 χ^2/NDF: 59.2/47

Right: -107.956+/-237.500 χ^2/NDF: 50.0/57

In: 44.759+/-229.269 χ^2/NDF:56.8/49

Out: -280.084+/-222.159 χ^2/NDF:51.4/55

All: -122.777+/-159.545 χ^2/NDF: 109.3/105



Right In: 1344.828+/-0.242 χ^2/NDF: 767142.6/26

Left Out: 1322.369+/-0.212 χ^2/NDF:2931.9/24

Right Out: 1349.767+/-0.233 χ^2/NDF: 220138.7/30

Left In: 1323.337+/-0.218 χ^2/NDF:3856.3/22

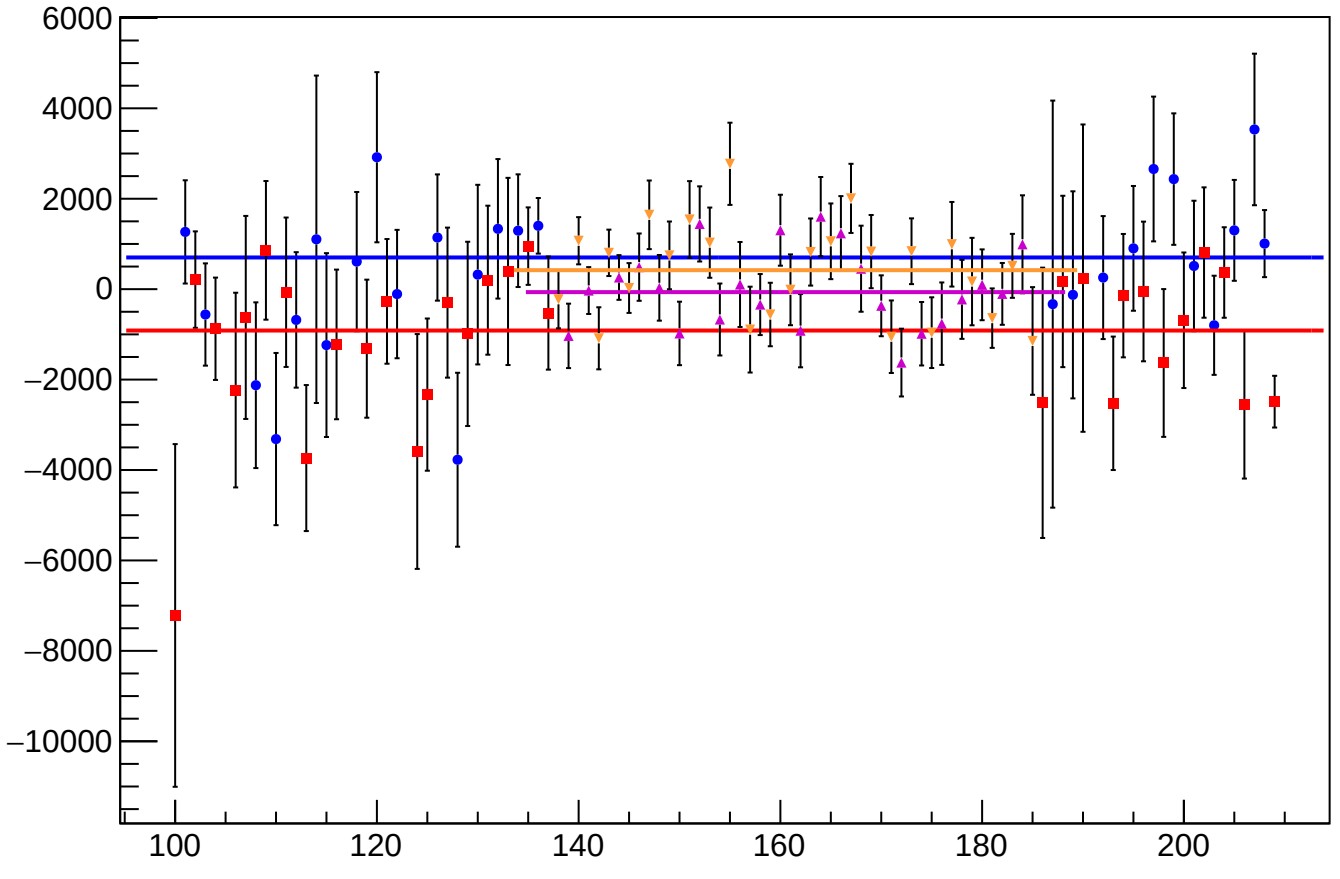
Left: 1322.839+/-0.152 χ^2/NDF: 6798.3/47

Right: 1347.385+/-0.168 χ^2/NDF: 987497.2/57

In: 1332.996+/-0.162 χ^2/NDF:775347.2/49

Out: 1334.780+/-0.157 χ^2/NDF:230607.8/55

All: 1333.916+/-0.113 χ^2/NDF: 1006017.5/10



Right In: 701.039+/-255.751 χ^2/NDF: 27.5/26

Left Out: 419.899+/-146.436 χ^2/NDF:41.5/24

Right Out: -915.049+/-250.267 χ^2/NDF: 31.3/30

Left In: -65.405+/-154.225 χ^2/NDF:27.0/22

Left: 189.810+/-106.193 χ^2/NDF: 73.8/47

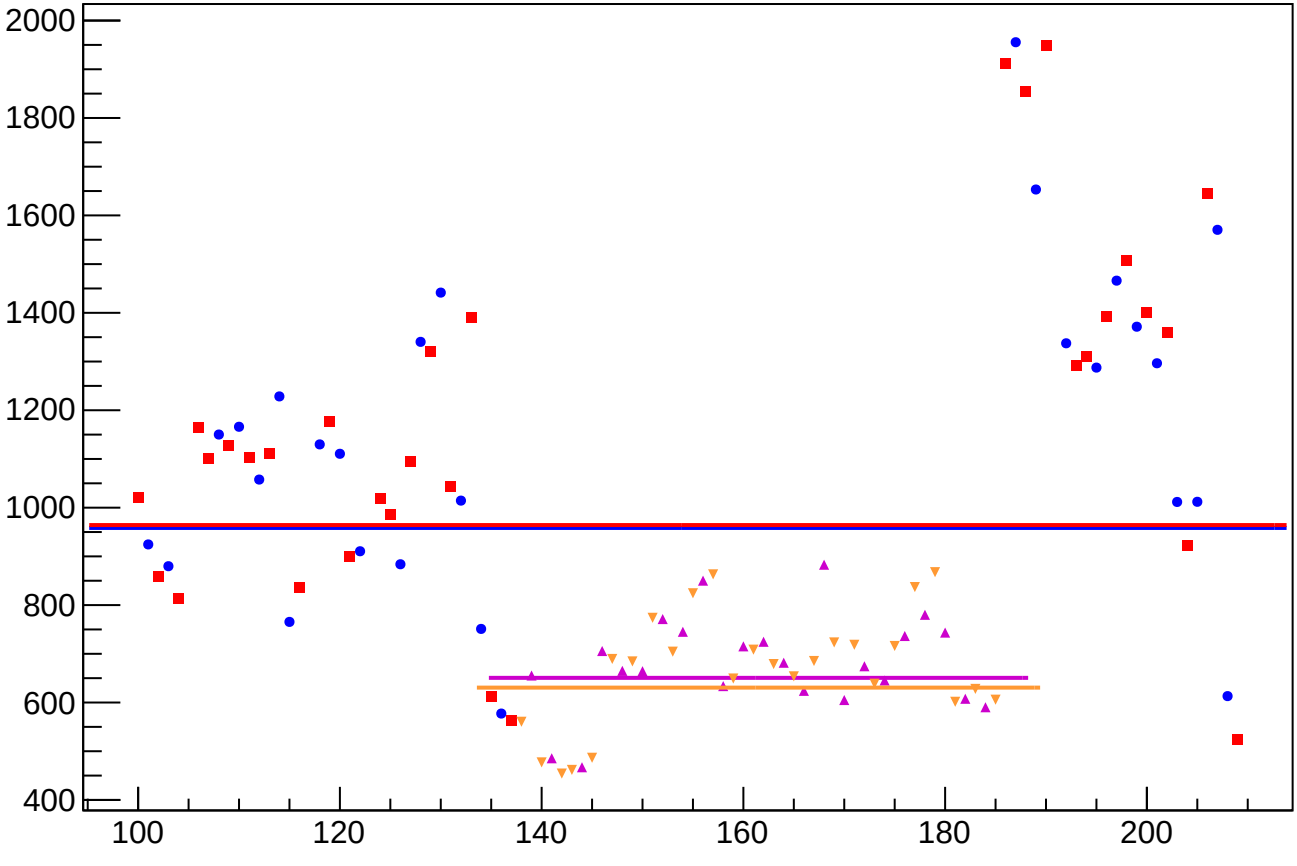
Right: -124.517+/-178.873 χ^2/NDF: 79.1/57

In: 138.982+/-132.070 χ^2/NDF:61.1/49

Out: 79.426+/-126.390 χ^2/NDF:94.0/55

All: 107.896+/-91.313 χ^2/NDF: 155.2/105

asym_usr_atr1_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 958.401+/-0.181 χ^2/NDF: 2896890.5/26

Left Out: 630.592+/-0.104 χ^2/NDF:1328610.2/24

Right Out: 964.290+/-0.177 χ^2/NDF: 4166255.6/30

Left In: 650.638+/-0.109 χ^2/NDF:922087.6/22

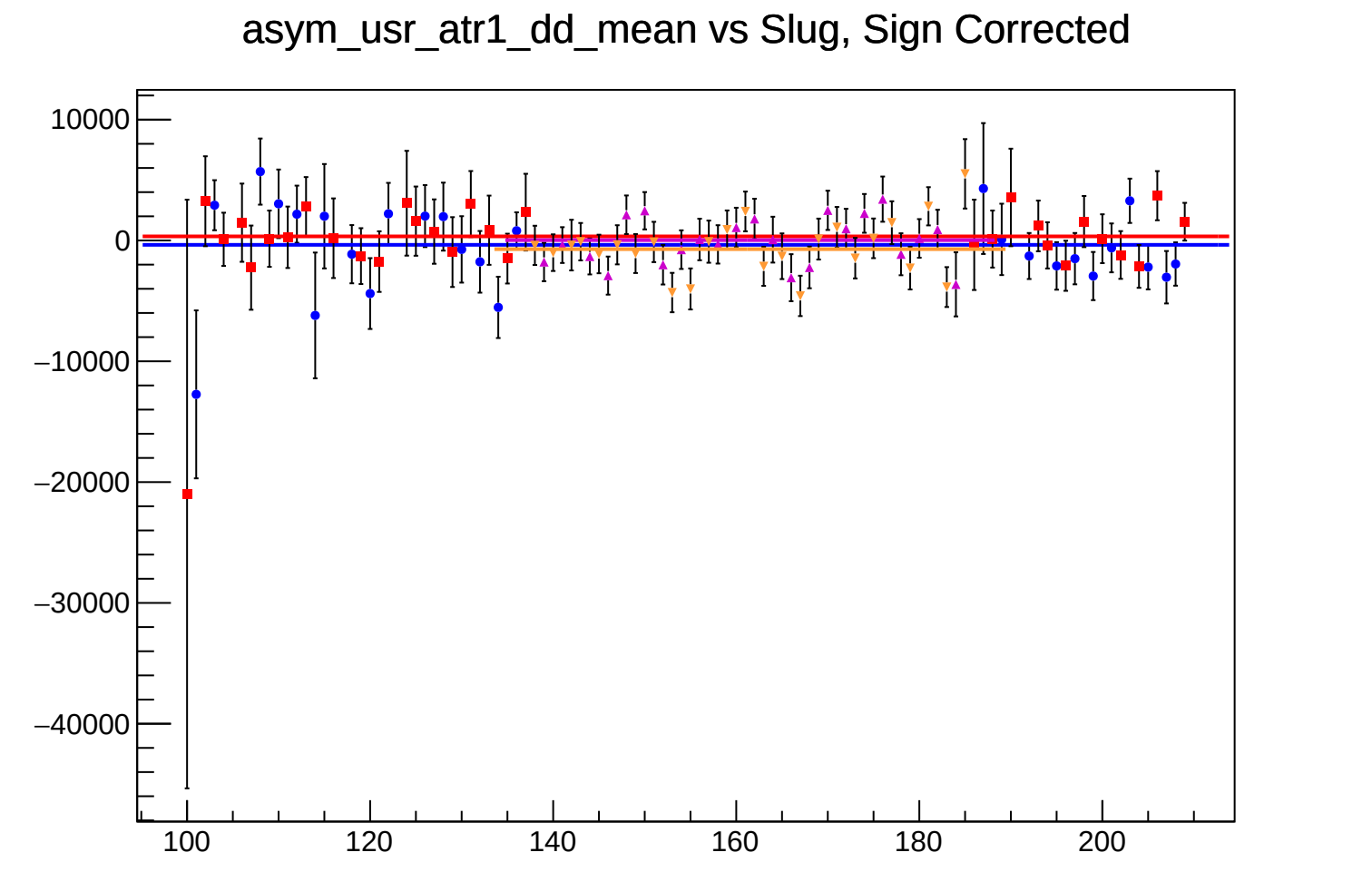
Left: 640.096+/-0.075 χ^2/NDF: 2268466.1/47

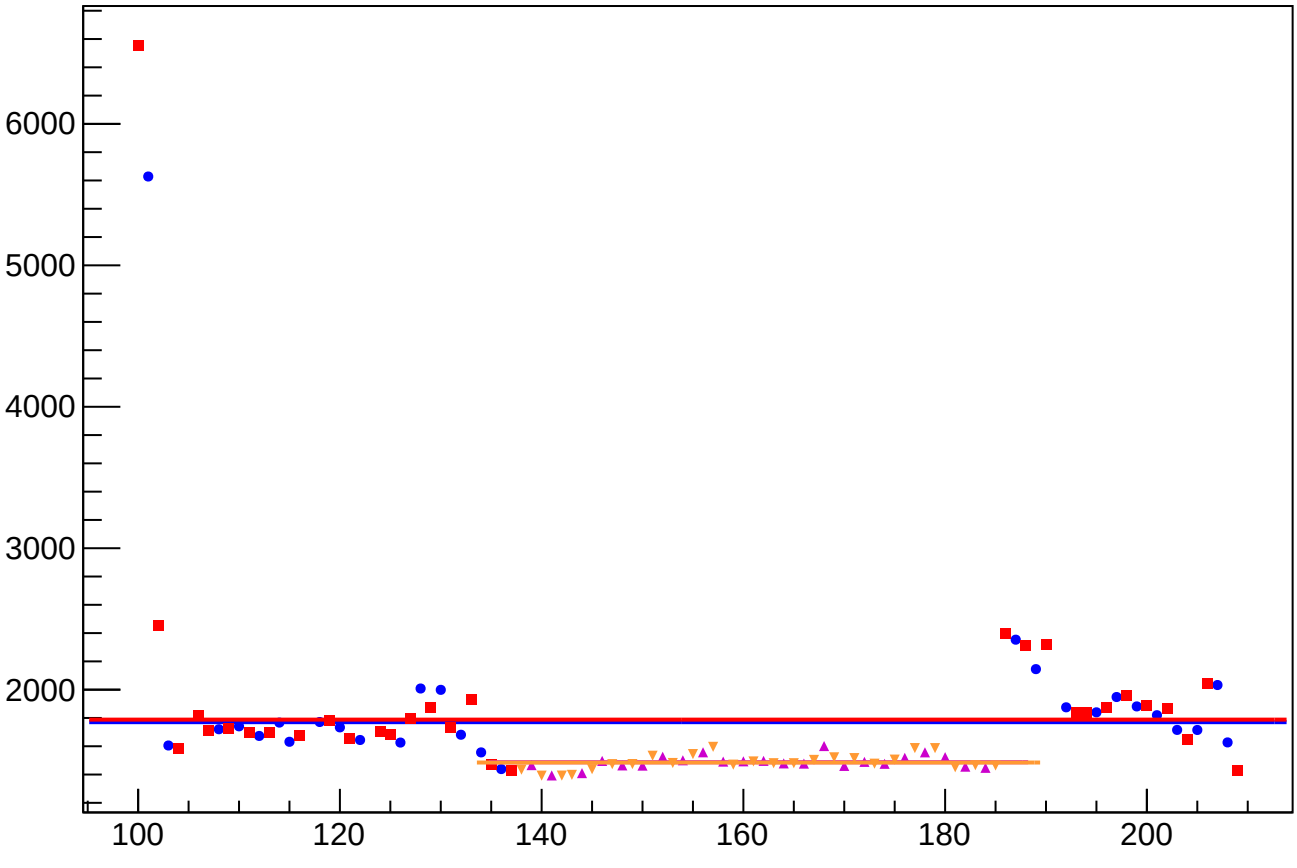
Right: 961.410+/-0.126 χ^2/NDF: 7063687.7/57

In: 732.709+/-0.093 χ^2/NDF:5942860.1/49

Out: 715.701+/-0.089 χ^2/NDF:8143730.3/55

All: 723.831+/-0.065 χ^2/NDF: 14103904.1/10


asym_usr_atr1_dd_mean vs Slug, Sign Corrected
10000
0
−10000
−20000
−30000
−40000
100
120
140
160
180
200
Right In: -361.592+/-452.312 χ²/NDF: 35.4/26
Left Out: -718.291+/-337.578 χ²/NDF:37.7/24
Right Out: 338.422+/-439.959 χ²/NDF: 15.9/30
Left In: 27.514+/-347.415 χ²/NDF:28.0/22
Left: -356.097+/-242.106 χ²/NDF: 68.1/47
Right: -1.896+/-315.375 χ²/NDF: 52.5/57
In: -116.865+/-275.522 χ²/NDF:63.8/49
Out: -326.705+/-267.823 χ²/NDF:57.3/55
All: -224.758+/-192.043 χ²/NDF: 121.4/105



Right In: 1770.257+/-0.320 χ^2/NDF: 917069.2/26

Left Out: 1484.960+/-0.239 χ^2/NDF:50905.1/24

Right Out: 1788.255+/-0.311 χ^2/NDF: 619597.7/30

Left In: 1487.112+/-0.246 χ^2/NDF:34817.2/22

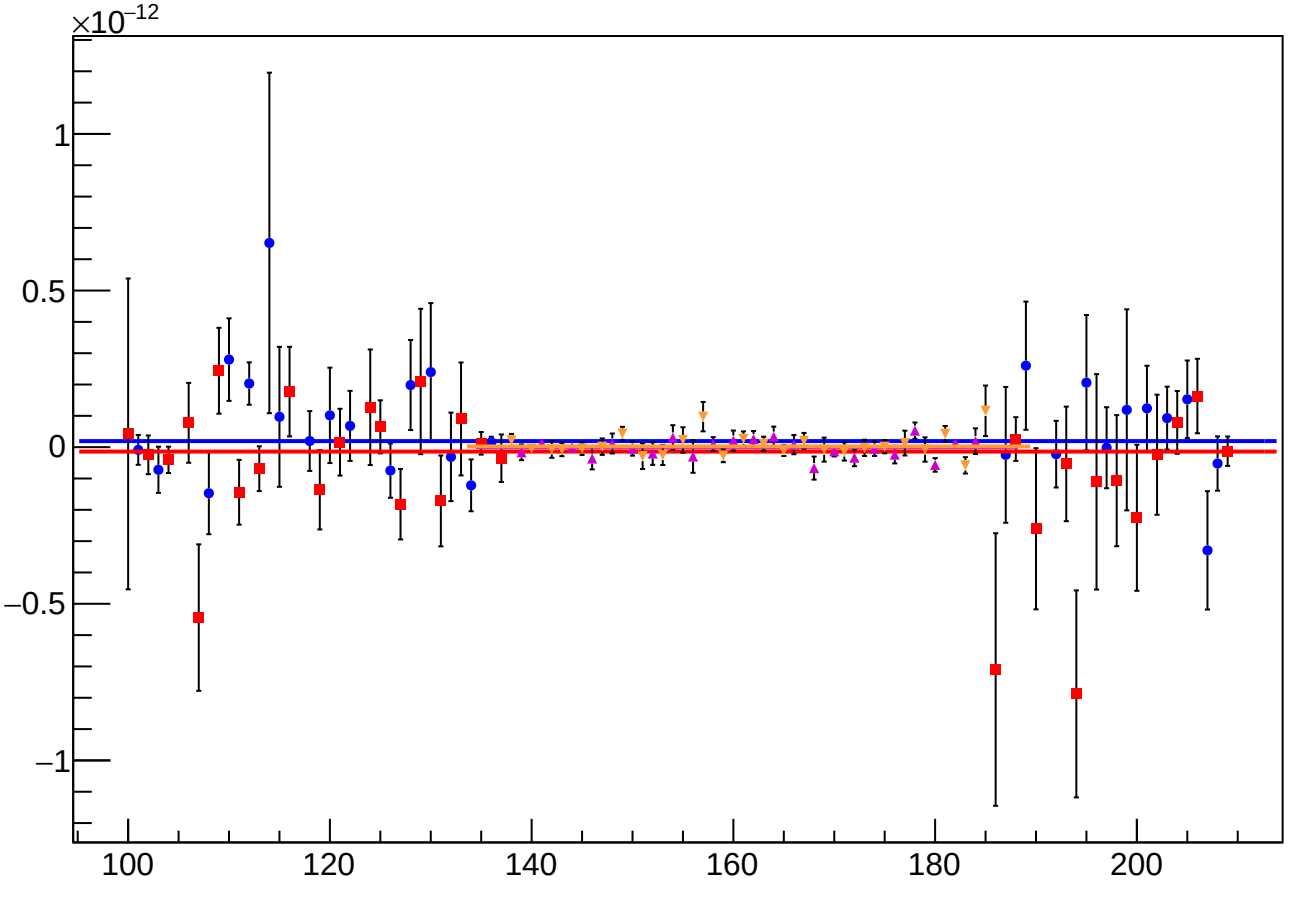
Left: 1486.005+/-0.171 χ^2/NDF: 85761.8/47

Right: 1779.505+/-0.223 χ^2/NDF: 1538294.0/57

In: 1592.174+/-0.195 χ^2/NDF:1444817.3/49

Out: 1597.352+/-0.189 χ^2/NDF:1268753.5/55

All: 1594.836+/-0.136 χ^2/NDF: 2713934.0/10



Right In: 0.000+/-0.000 χ^2/NDF: 32.4/26

Left Out: 0.000+/-0.000 χ^2/NDF:25.4/24

Right Out: -0.000+/-0.000 χ^2/NDF: 34.9/30

Left In: -0.000+/-0.000 χ^2/NDF:24.9/22

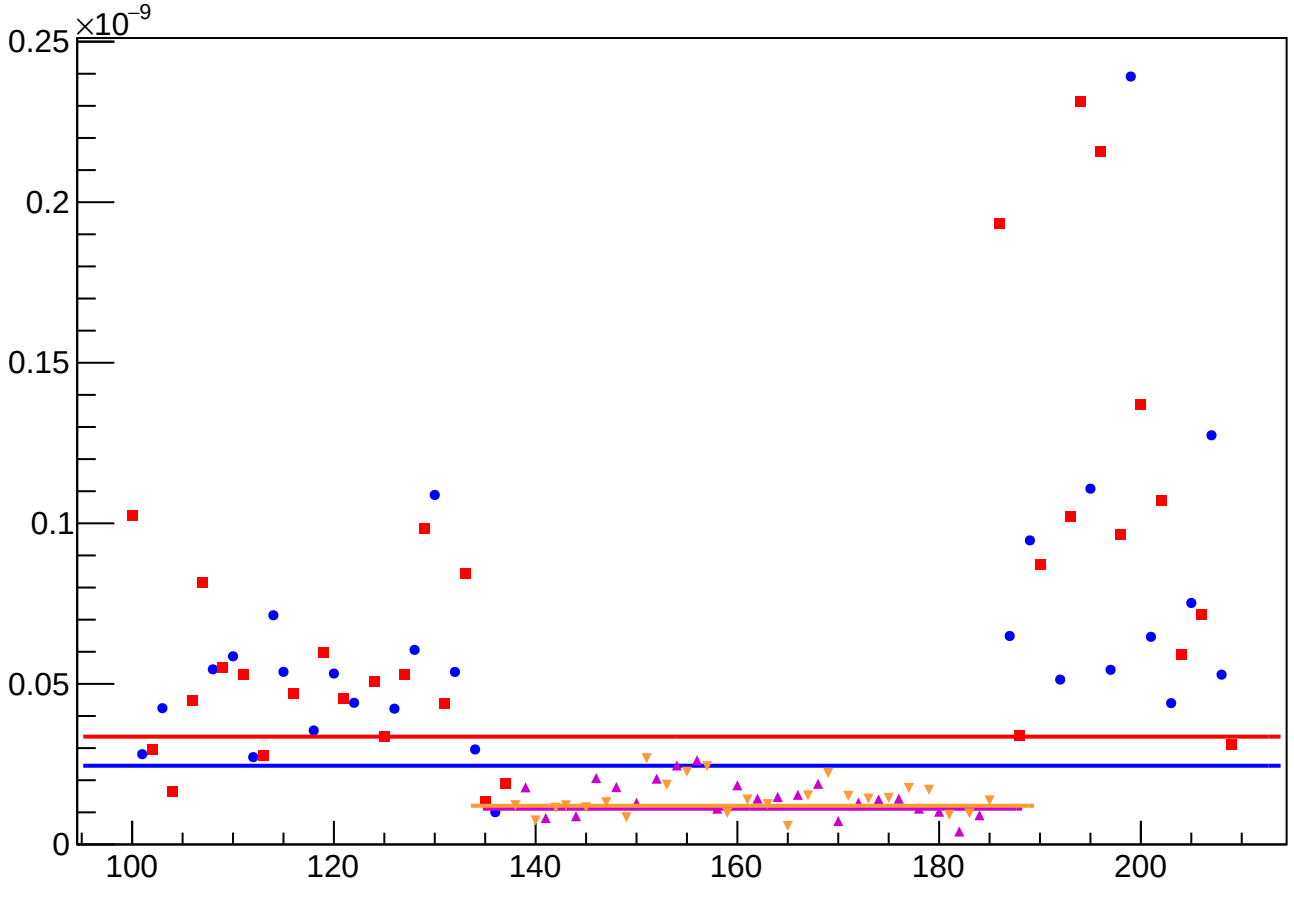
Left: 0.000+/-0.000 χ^2/NDF: 50.5/47

Right: 0.000+/-0.000 χ^2/NDF: 69.7/57

In: 0.000+/-0.000 χ^2/NDF:59.2/49

Out: 0.000+/-0.000 χ^2/NDF:61.2/55

All: 0.000+/-0.000 χ^2/NDF: 120.4/105



Right In: 0.000+/-0.000 χ^2/NDF: 5670904.5/26

Left Out: 0.000+/-0.000 χ^2/NDF:1520224.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 4979536.9/30

Left In: 0.000+/-0.000 χ^2/NDF:2209676.2/22

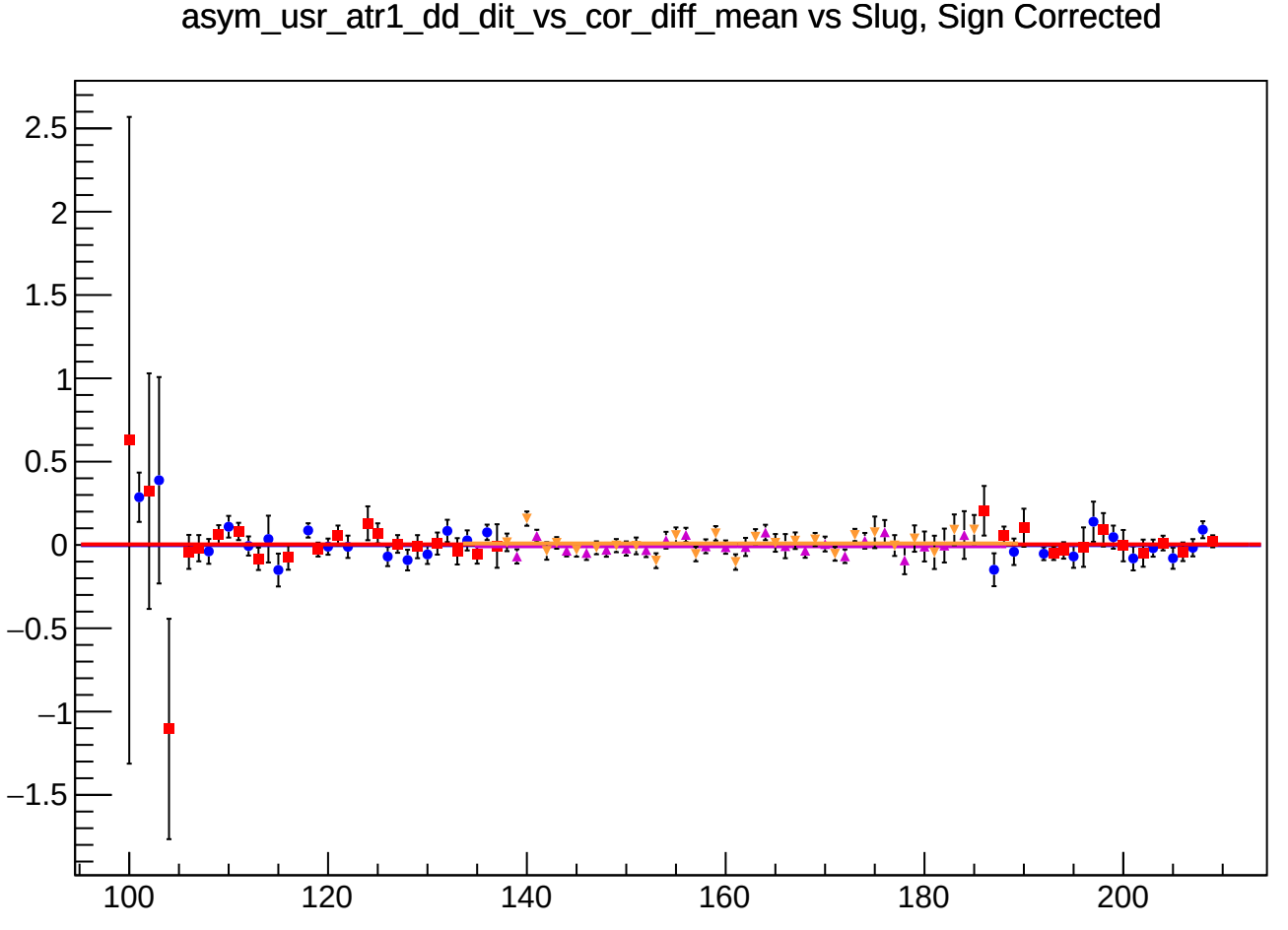
Left: 0.000+/-0.000 χ^2/NDF: 3765014.8/47

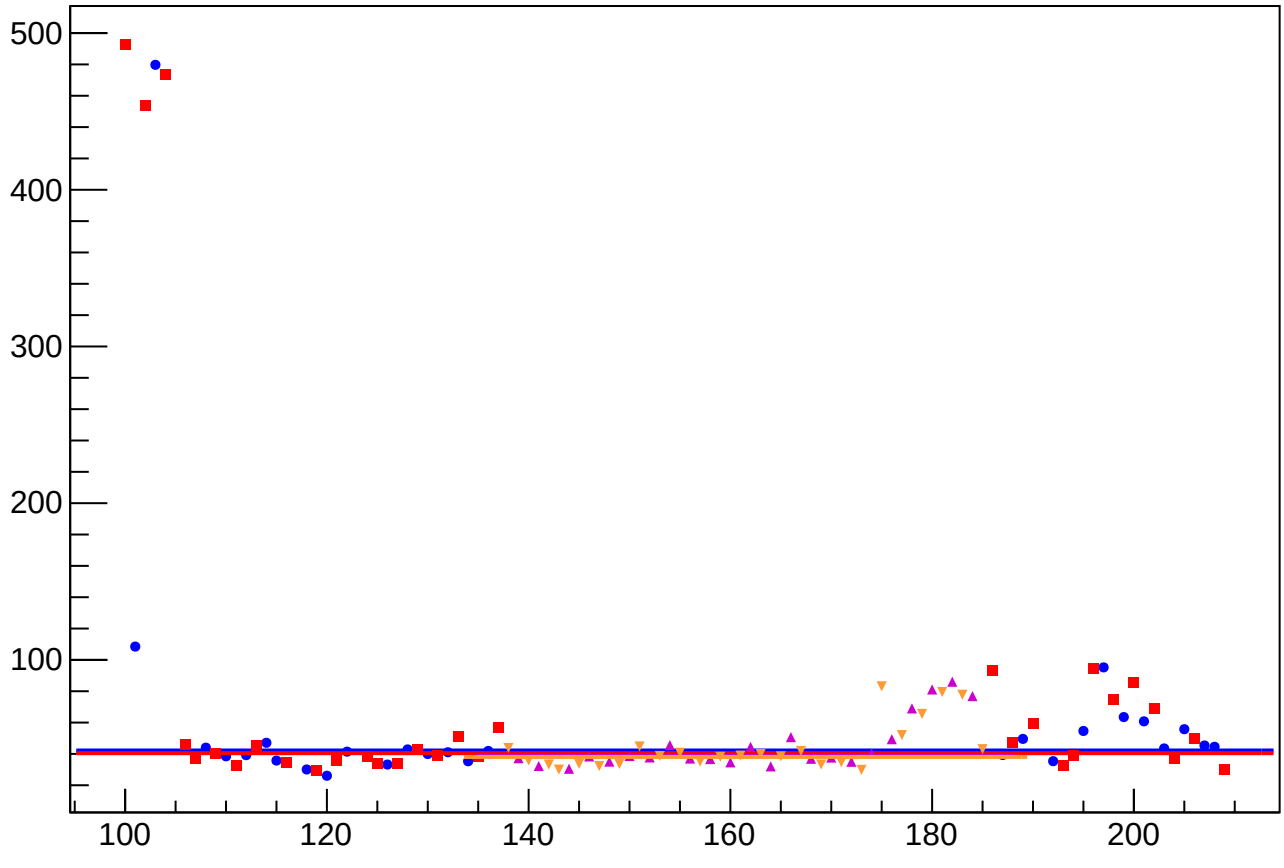
Right: 0.000+/-0.000 χ^2/NDF: 11012169.7/57

In: 0.000+/-0.000 χ^2/NDF:9611018.9/49

Out: 0.000+/-0.000 χ^2/NDF:9645735.5/55

All: 0.000+/-0.000 χ^2/NDF: 19323298.5/105


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
Right In: -0.001+/-0.012 χ²/NDF: 36.3/26
Left Out: 0.009+/-0.010 χ²/NDF:38.6/24
Right Out: 0.003+/-0.012 χ²/NDF: 23.1/30
Left In: -0.008+/-0.010 χ²/NDF:18.9/22
Left: 0.001+/-0.007 χ²/NDF: 59.0/47
Right: 0.001+/-0.008 χ²/NDF: 59.5/57
In: -0.005+/-0.008 χ²/NDF:55.4/49
Out: 0.007+/-0.007 χ²/NDF:61.9/55
All: 0.001+/-0.005 χ²/NDF: 118.5/105



Right In: 42.174+/-0.008 χ^2/NDF: 2843238.5/26

Left Out: 38.067+/-0.007 χ^2/NDF:1967115.3/24

Right Out: 40.472+/-0.008 χ^2/NDF: 4027616.2/30

Left In: 38.630+/-0.007 χ^2/NDF:1727664.7/22

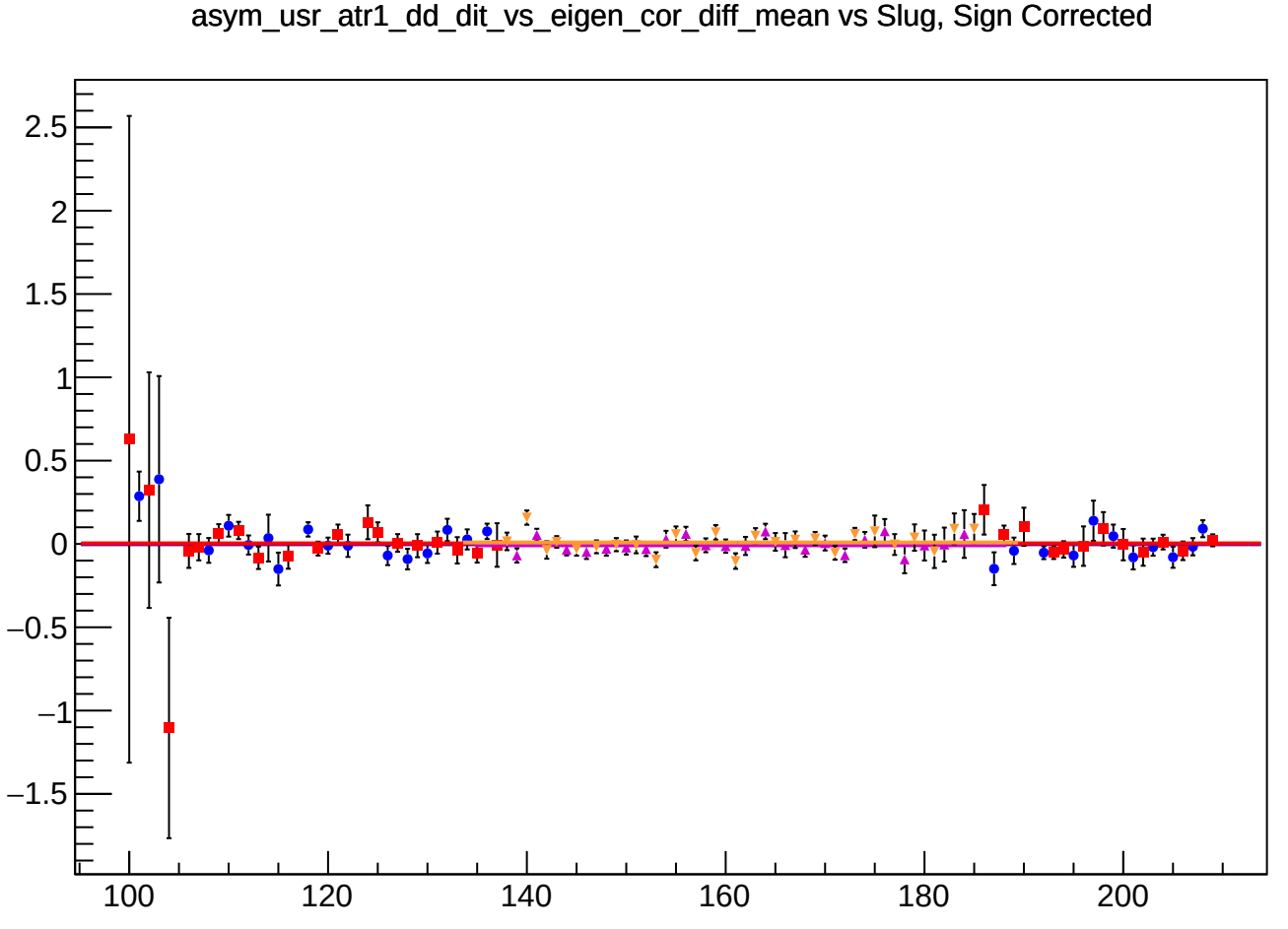
Left: 38.339+/-0.005 χ^2/NDF: 3698113.4/47

Right: 41.293+/-0.006 χ^2/NDF: 6891664.3/57

In: 40.067+/-0.005 χ^2/NDF:4674517.2/49

Out: 39.043+/-0.005 χ^2/NDF:6045968.9/55

All: 39.537+/-0.004 χ^2/NDF: 10739076.3/105



Right In: -0.001+/-0.012 χ^2/NDF: 36.3/26

Left Out: 0.009+/-0.010 χ^2/NDF:38.6/24

Right Out: 0.003+/-0.012 χ^2/NDF: 23.1/30

Left In: -0.008+/-0.010 χ^2/NDF:18.9/22

Left: 0.001+/-0.007 χ^2/NDF: 59.0/47

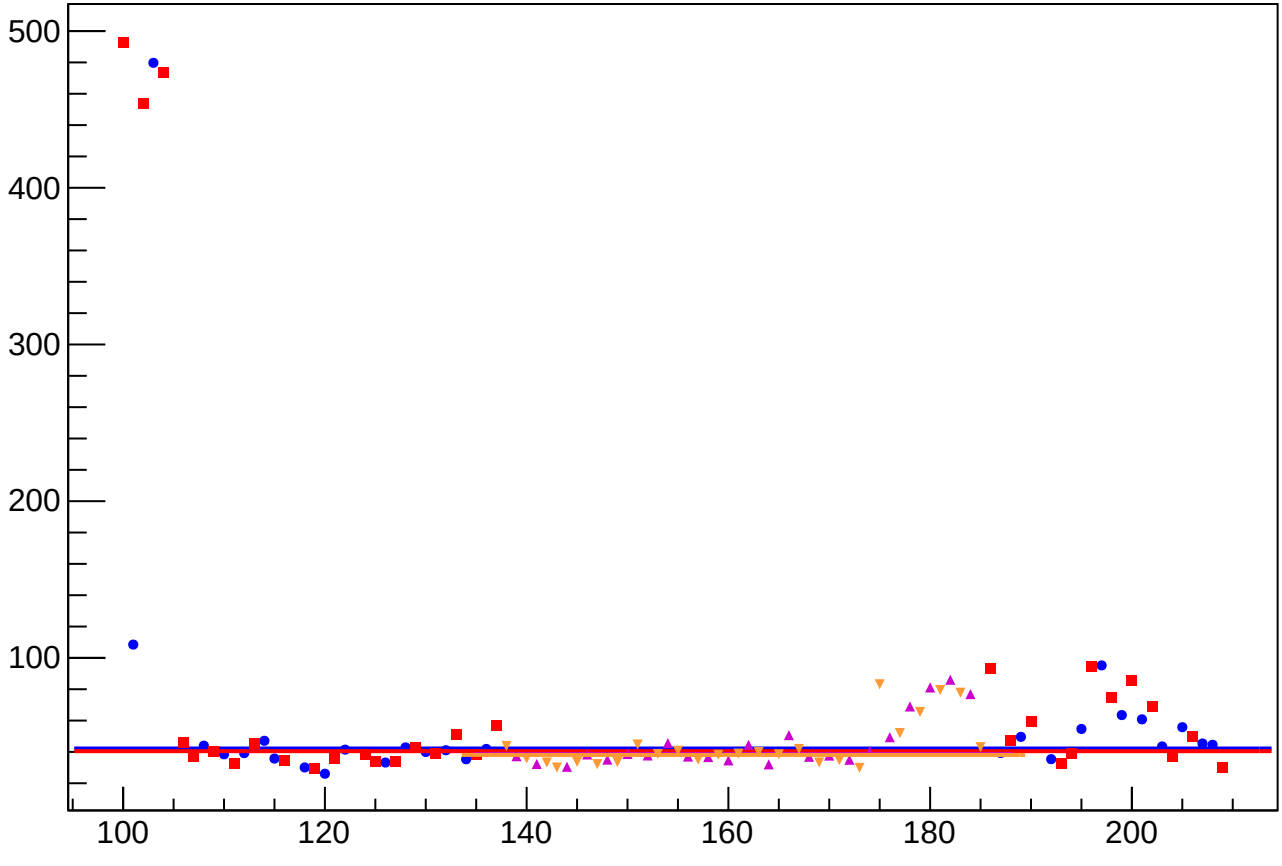
Right: 0.001+/-0.008 χ^2/NDF: 59.5/57

In: -0.005+/-0.008 χ^2/NDF:55.4/49

Out: 0.007+/-0.007 χ^2/NDF:61.9/55

All: 0.001+/-0.005 χ^2/NDF: 118.5/105

asym_usr_atr1_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 42.174+/-0.008 χ^2/NDF: 2843238.5/26

Left Out: 38.067+/-0.007 χ^2/NDF:1967115.3/24

Right Out: 40.472+/-0.008 χ^2/NDF: 4027616.2/30

Left In: 38.630+/-0.007 χ^2/NDF:1727664.7/22

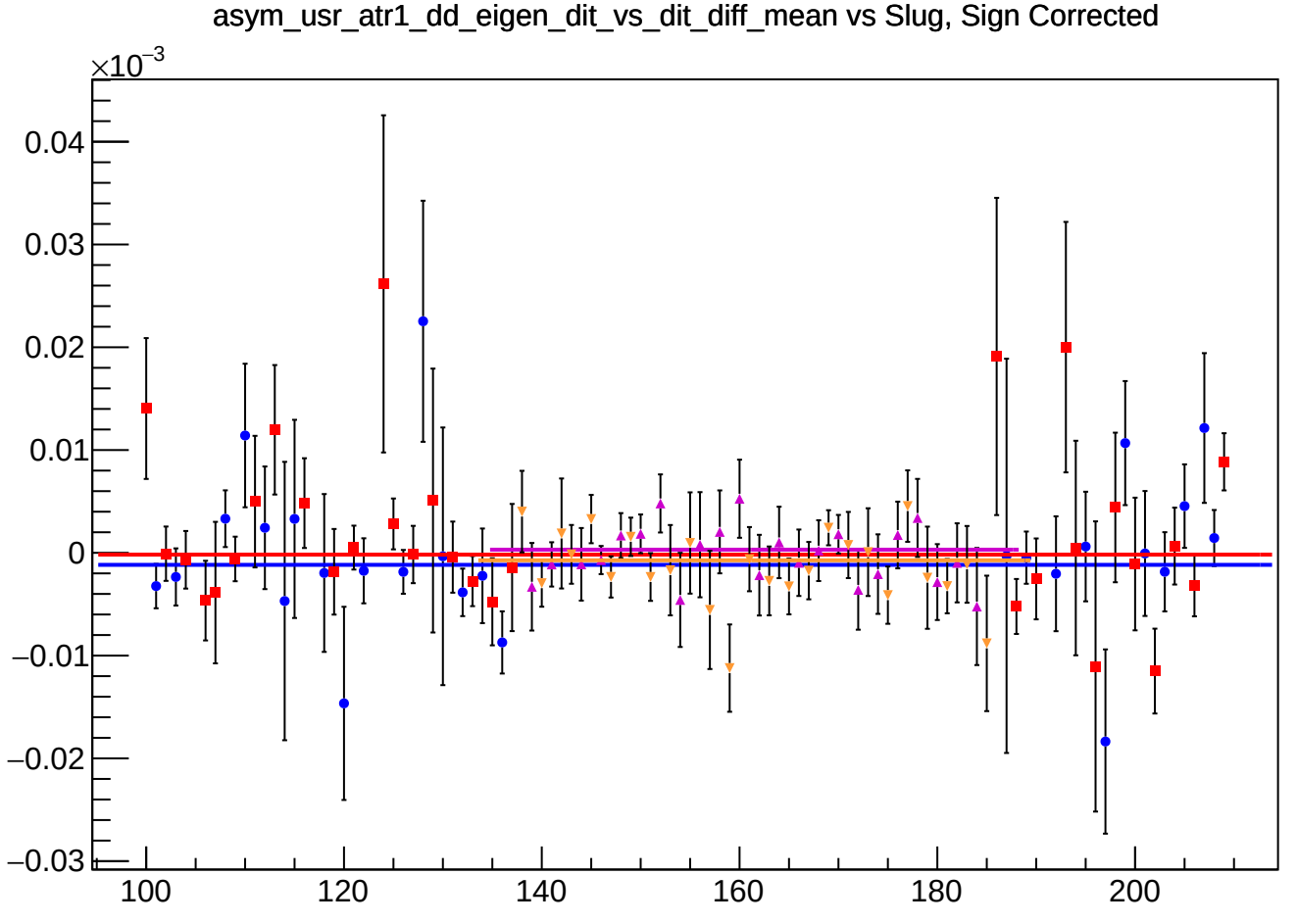
Left: 38.339+/-0.005 χ^2/NDF: 3698113.4/47

Right: 41.293+/-0.006 χ^2/NDF: 6891664.3/57

In: 40.067+/-0.005 χ^2/NDF:4674517.2/49

Out: 39.043+/-0.005 χ^2/NDF:6045968.9/55

All: 39.537+/-0.004 χ^2/NDF: 10739076.3/105



Right In: -0.000+/-0.000 χ^2/NDF: 35.6/26

Left Out: -0.000+/-0.000 χ^2/NDF:26.6/24

Right Out: -0.000+/-0.000 χ^2/NDF: 46.9/30

Left In: 0.000+/-0.000 χ^2/NDF:13.8/22

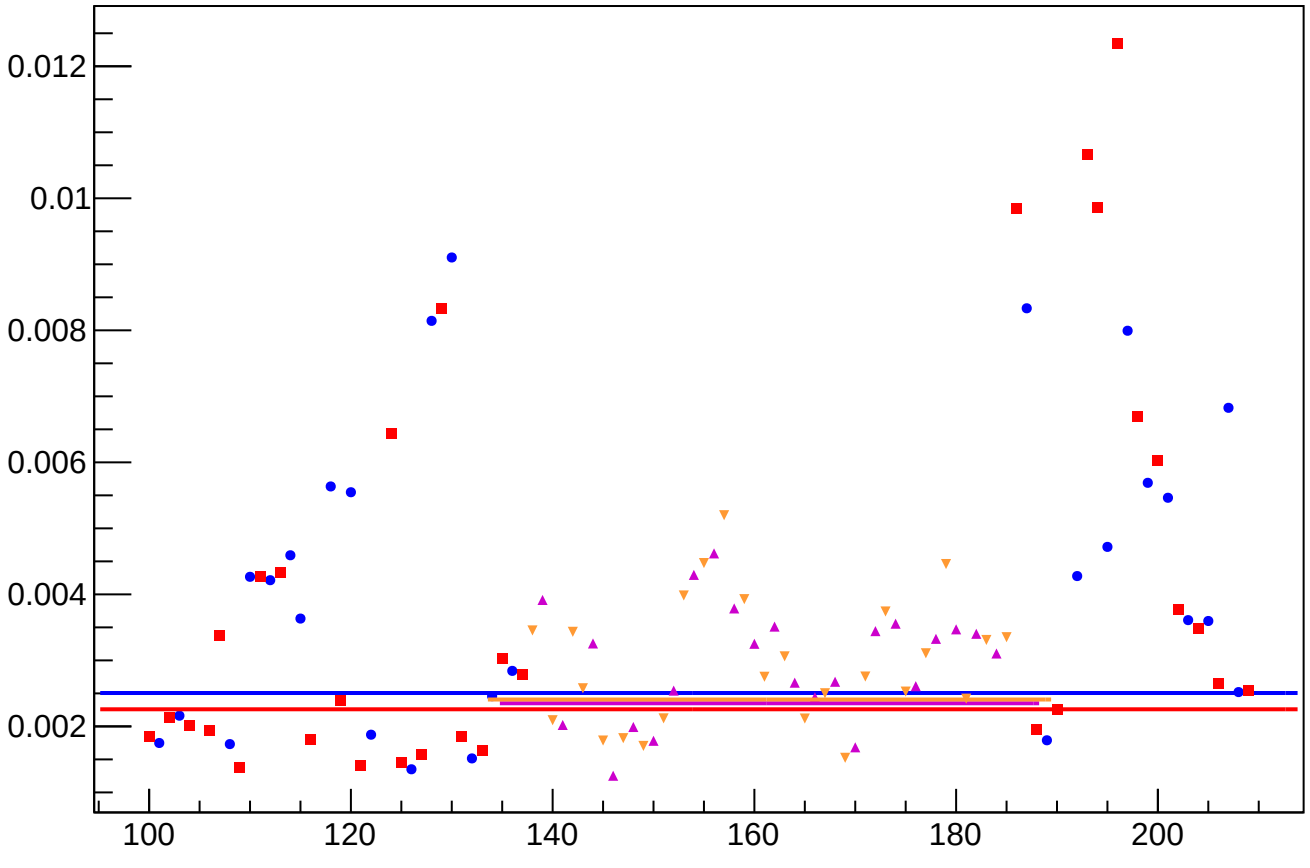
Left: -0.000+/-0.000 χ^2/NDF: 41.9/47

Right: -0.000+/-0.000 χ^2/NDF: 83.5/57

In: -0.000+/-0.000 χ^2/NDF:51.8/49

Out: -0.000+/-0.000 χ^2/NDF:73.8/55

All: -0.000+/-0.000 χ^2/NDF: 125.7/105



Right In: 0.003+/-0.000 χ^2/NDF: 7098561.9/26

Left Out: 0.002+/-0.000 χ^2/NDF:3682960.0/24

Right Out: 0.002+/-0.000 χ^2/NDF: 7841912.8/30

Left In: 0.002+/-0.000 χ^2/NDF:4438139.5/22

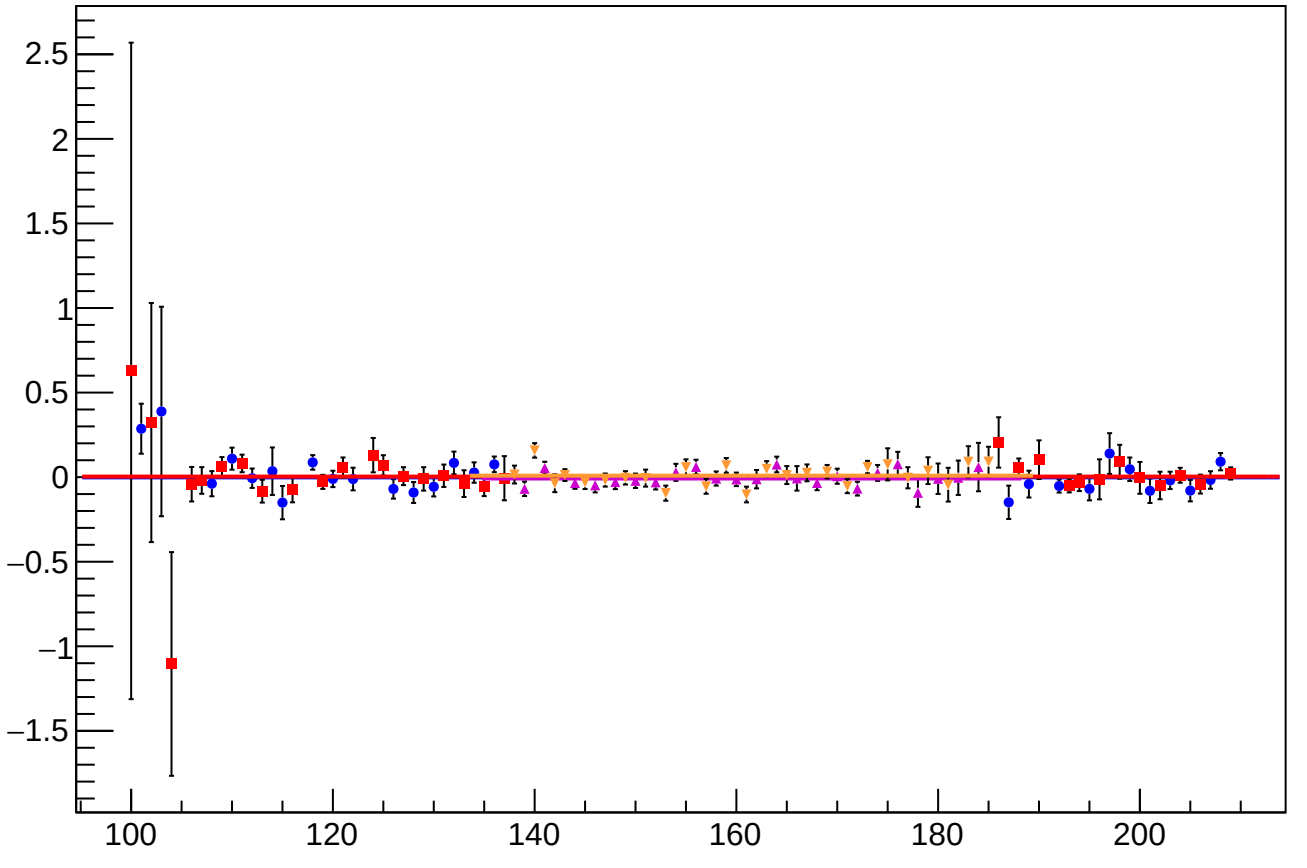
Left: 0.002+/-0.000 χ^2/NDF: 8130379.7/47

Right: 0.002+/-0.000 χ^2/NDF: 15062954.5/57

In: 0.002+/-0.000 χ^2/NDF:11590178.5/49

Out: 0.002+/-0.000 χ^2/NDF:11580728.5/55

All: 0.002+/-0.000 χ^2/NDF: 23193808.1/105



Right In: -0.001+/-0.012 χ^2/NDF: 36.3/26

Left Out: 0.009+/-0.010 χ^2/NDF:38.6/24

Right Out: 0.003+/-0.012 χ^2/NDF: 23.1/30

Left In: -0.008+/-0.010 χ^2/NDF:18.9/22

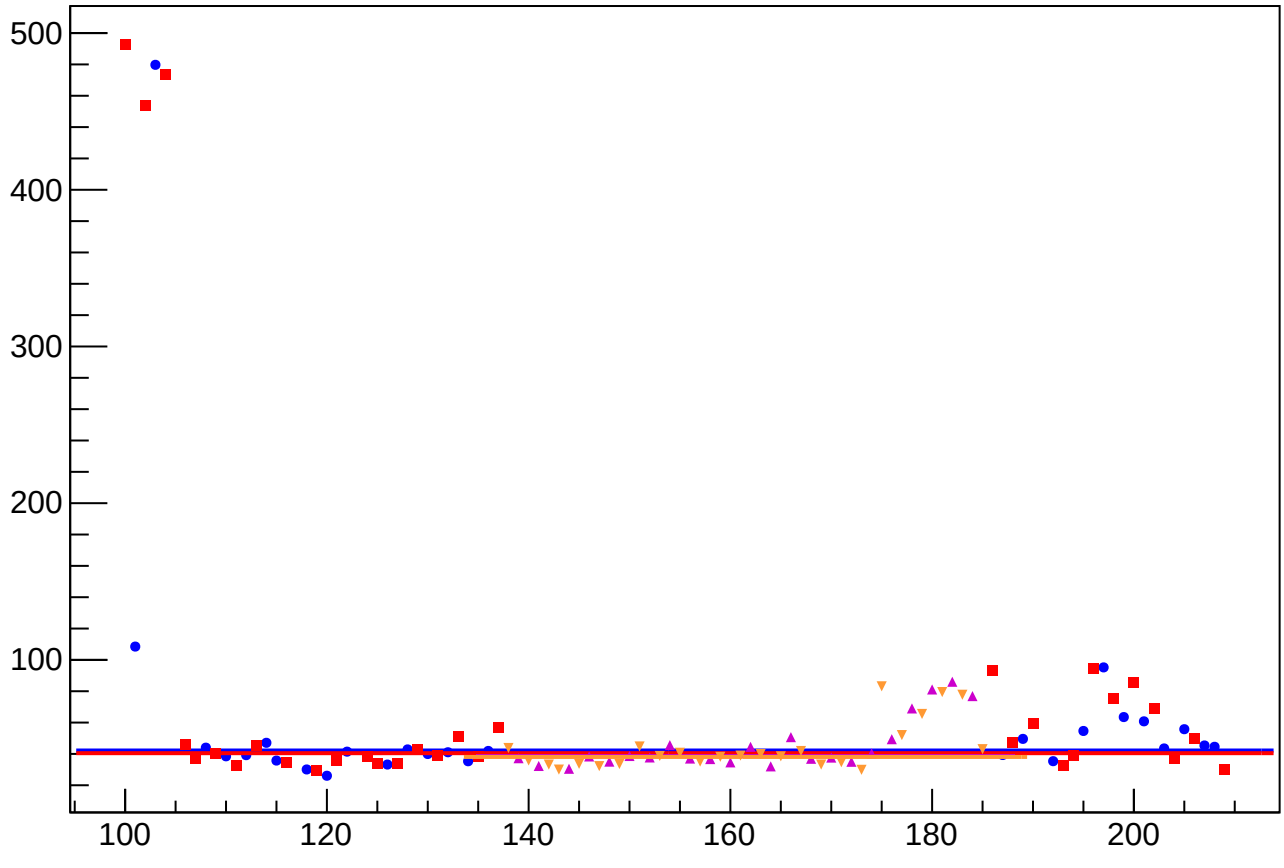
Left: 0.001+/-0.007 χ^2/NDF: 59.0/47

Right: 0.001+/-0.008 χ^2/NDF: 59.5/57

In: -0.005+/-0.008 χ^2/NDF:55.4/49

Out: 0.007+/-0.007 χ^2/NDF:61.9/55

All: 0.001+/-0.005 χ^2/NDF: 118.5/105



Right In: 42.174+/-0.008 χ^2/NDF: 2843428.6/26

Left Out: 38.067+/-0.007 χ^2/NDF:1967110.9/24

Right Out: 40.469+/-0.008 χ^2/NDF: 4028100.3/30

Left In: 38.630+/-0.007 χ^2/NDF:1727699.0/22

Left: 38.338+/-0.005 χ^2/NDF: 3698141.3/47

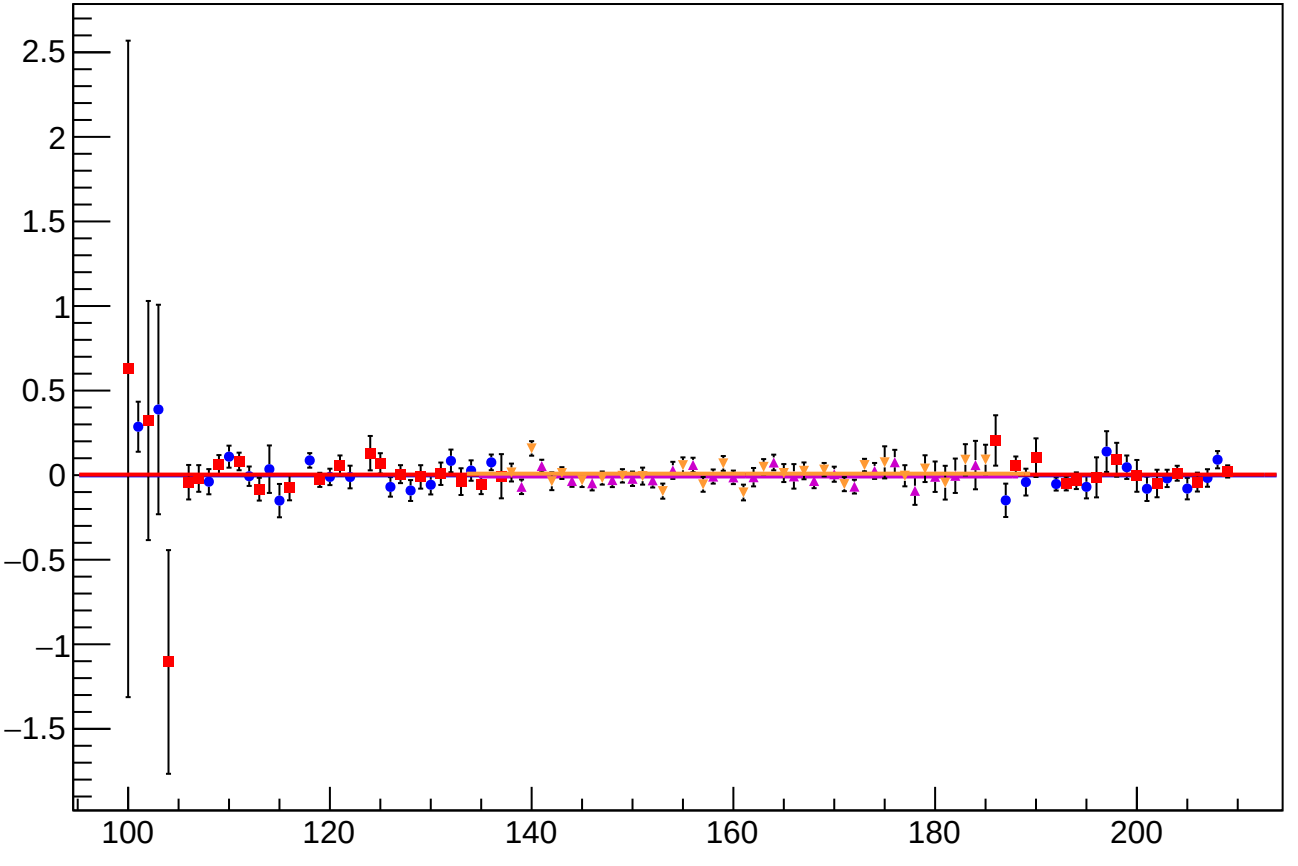
Right: 41.291+/-0.006 χ^2/NDF: 6892398.0/57

In: 40.067+/-0.005 χ^2/NDF:4674730.8/49

Out: 39.042+/-0.005 χ^2/NDF:6046333.8/55

All: 39.536+/-0.004 χ^2/NDF: 10739684.9/105

asym_usr_atr1_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.001+/-0.012 χ^2/NDF: 36.3/26

Left Out: 0.009+/-0.010 χ^2/NDF:38.6/24

Right Out: 0.003+/-0.012 χ^2/NDF: 23.1/30

Left In: -0.008+/-0.010 χ^2/NDF:18.9/22

Left: 0.001+/-0.007 χ^2/NDF: 59.0/47

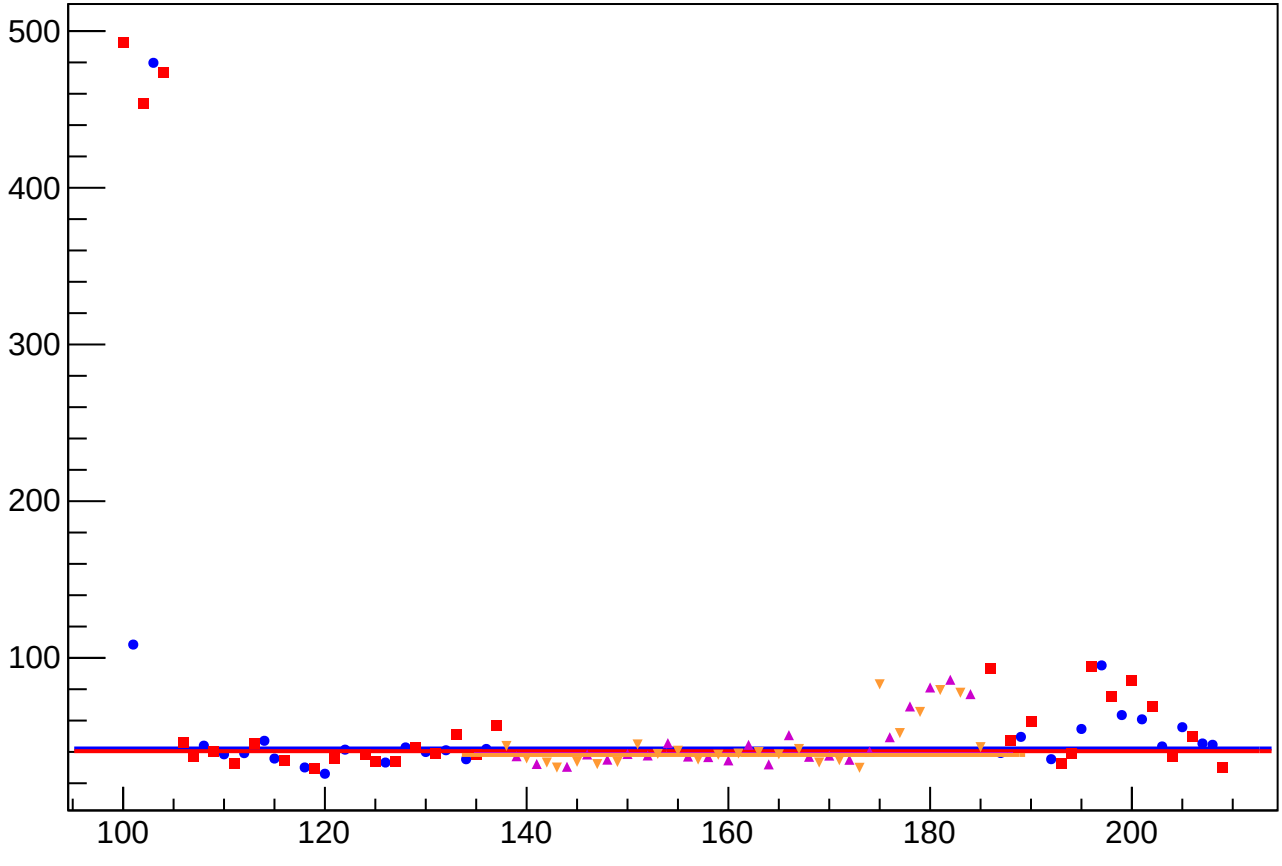
Right: 0.001+/-0.008 χ^2/NDF: 59.5/57

In: -0.005+/-0.008 χ^2/NDF:55.4/49

Out: 0.007+/-0.007 χ^2/NDF:61.9/55

All: 0.001+/-0.005 χ^2/NDF: 118.5/105

asym_usr_atr1_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 42.174+/-0.008 χ^2/NDF: 2843428.6/26

Left Out: 38.067+/-0.007 χ^2/NDF:1967110.9/24

Right Out: 40.469+/-0.008 χ^2/NDF: 4028100.3/30

Left In: 38.630+/-0.007 χ^2/NDF:1727699.0/22

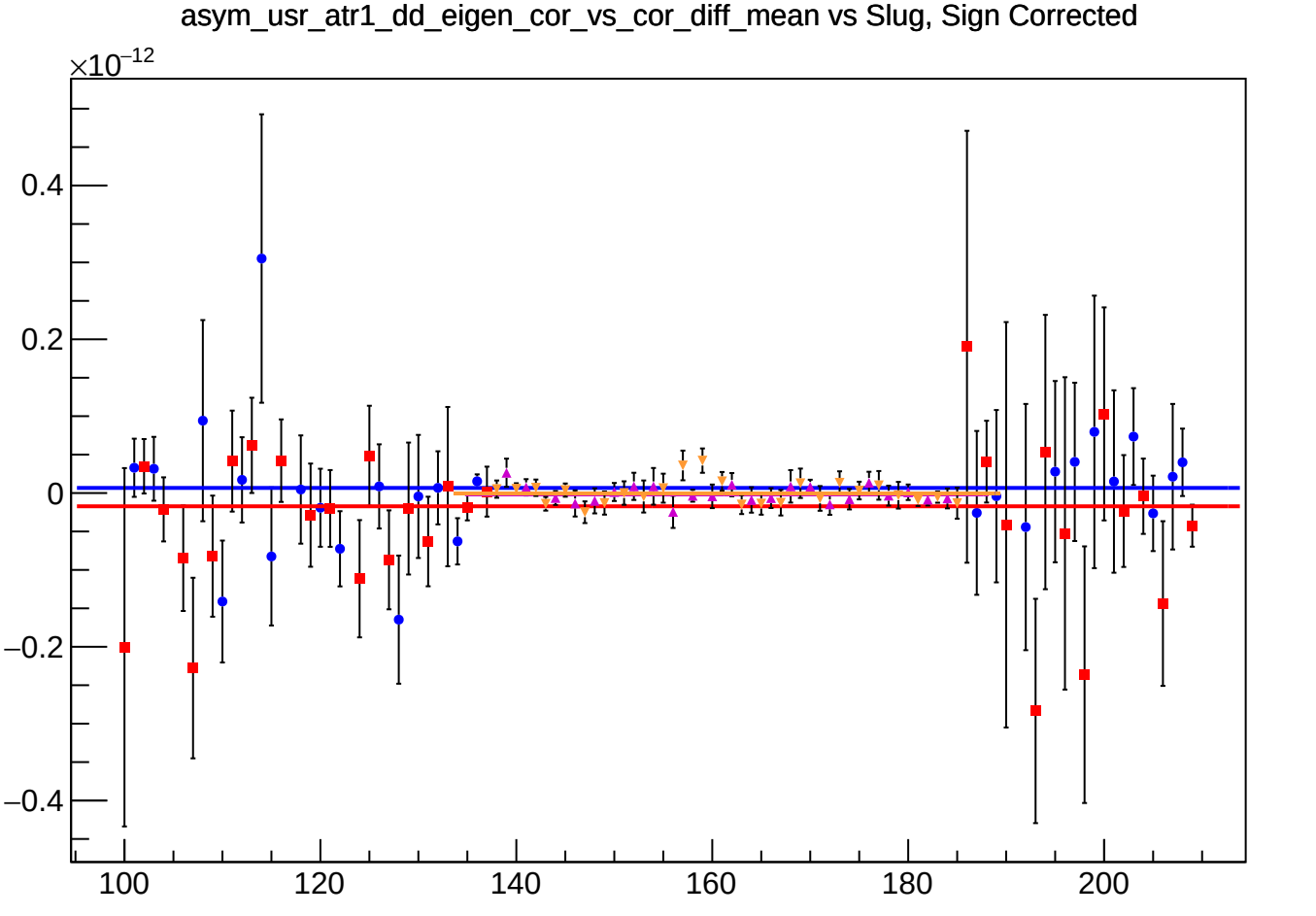
Left: 38.338+/-0.005 χ^2/NDF: 3698141.3/47

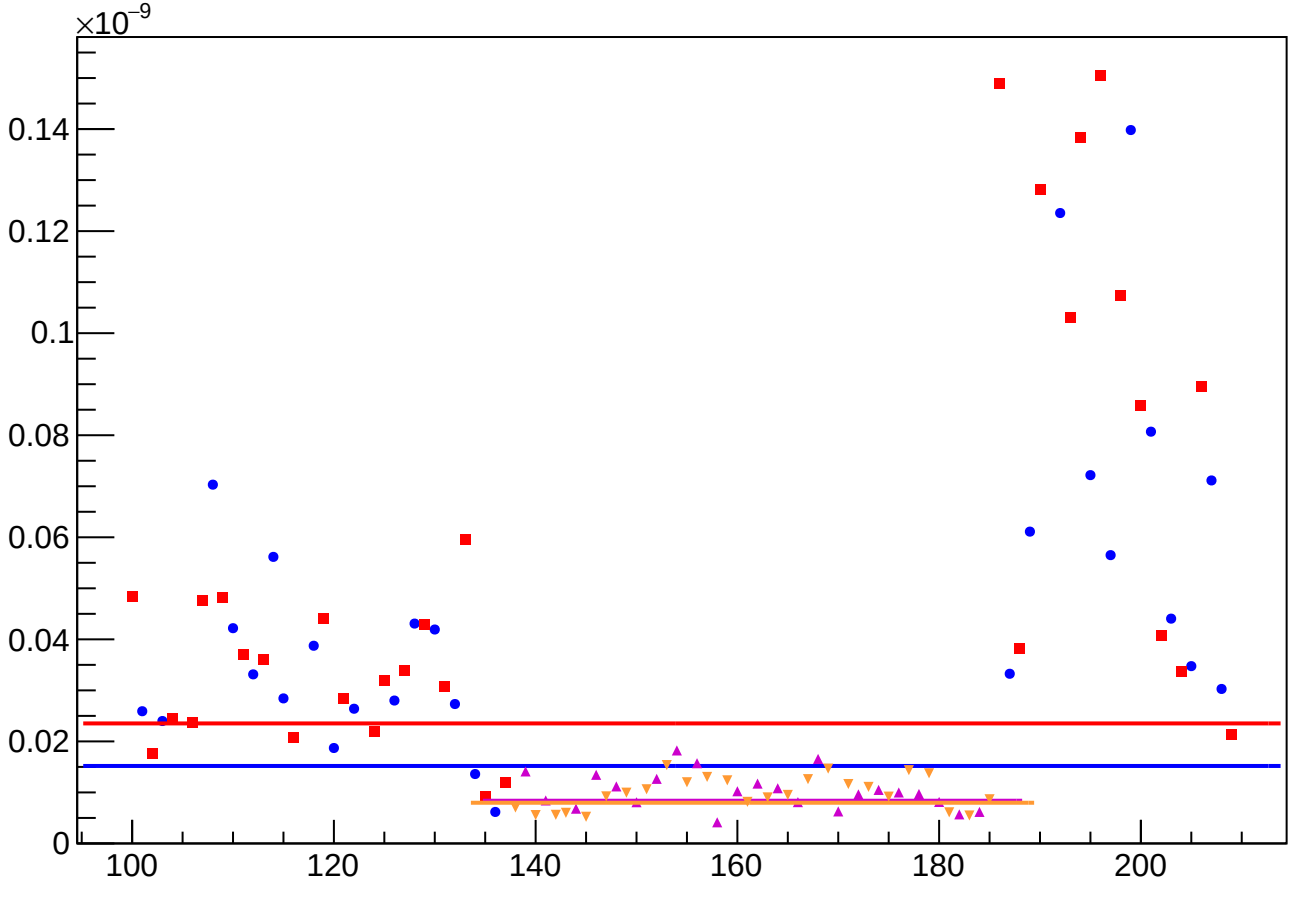
Right: 41.291+/-0.006 χ^2/NDF: 6892398.0/57

In: 40.067+/-0.005 χ^2/NDF:4674730.8/49

Out: 39.042+/-0.005 χ^2/NDF:6046333.8/55

All: 39.536+/-0.004 χ^2/NDF: 10739684.9/105


asym_usr_atr1_dd_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
0.4
0.2
0
−0.2
−0.4
100
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 24.4/26
Left Out: -0.000+/-0.000 χ²/NDF:26.9/24
Right Out: -0.000+/-0.000 χ²/NDF: 26.2/30
Left In: -0.000+/-0.000 χ²/NDF:11.6/22
Left: -0.000+/-0.000 χ²/NDF: 38.6/47
Right: -0.000+/-0.000 χ²/NDF: 54.7/57
In: -0.000+/-0.000 χ²/NDF:37.2/49
Out: -0.000+/-0.000 χ²/NDF:56.1/55
All: -0.000+/-0.000 χ²/NDF: 93.4/105



Right In: 0.000+/-0.000 χ^2/NDF: 9591763.2/26

Left Out: 0.000+/-0.000 χ^2/NDF:2831909.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 7843590.3/30

Left In: 0.000+/-0.000 χ^2/NDF:2786396.2/22

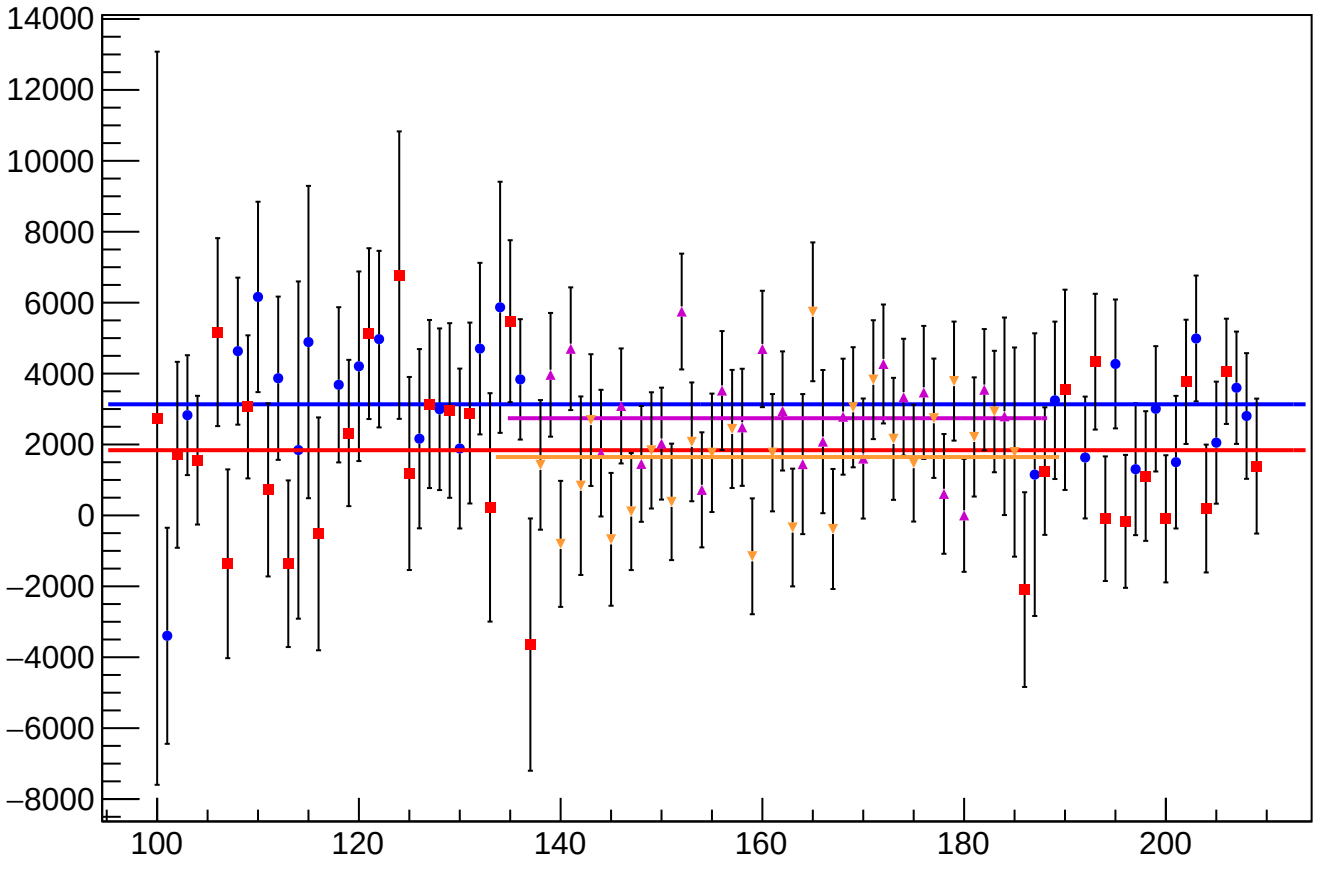
Left: 0.000+/-0.000 χ^2/NDF: 5643069.5/47

Right: 0.000+/-0.000 χ^2/NDF: 18440468.2/57

In: 0.000+/-0.000 χ^2/NDF:13963615.5/49

Out: 0.000+/-0.000 χ^2/NDF:15914671.4/55

All: 0.000+/-0.000 χ^2/NDF: 29884589.7/105



Right In: 3133.724+/-410.261 χ^2/NDF: 13.9/26

Left Out: 1646.402+/-349.758 χ^2/NDF:21.0/24

Right Out: 1839.224+/-397.844 χ^2/NDF: 27.6/30

Left In: 2740.924+/-358.458 χ^2/NDF:16.4/22

Left: 2180.220+/-250.336 χ^2/NDF: 42.3/47

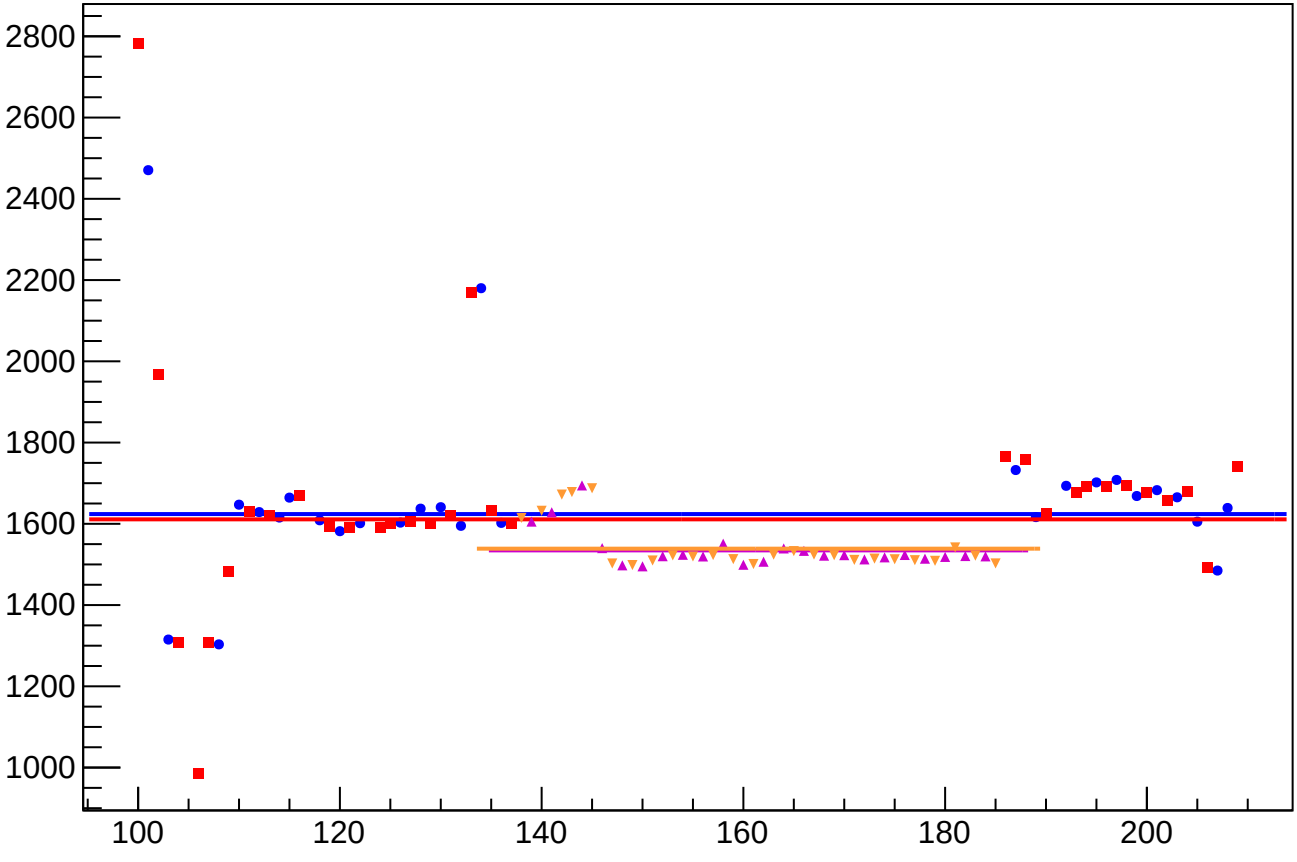
Right: 2466.588+/-285.607 χ^2/NDF: 46.6/57

In: 2910.974+/-269.937 χ^2/NDF:30.9/49

Out: 1730.462+/-262.681 χ^2/NDF:48.7/55

All: 2304.639+/-188.257 χ^2/NDF: 89.4/105

reg_asym_usr_atr2_avg_rms vs Slug, Sign Corrected



Right In: 1623.987+/-0.290 χ^2/NDF: 353033.7/26

Left Out: 1538.810+/-0.247 χ^2/NDF:47056.2/24

Right Out: 1610.983+/-0.279 χ^2/NDF: 465678.5/30

Left In: 1534.615+/-0.253 χ^2/NDF:31120.6/22

Left: 1536.764+/-0.177 χ^2/NDF: 78317.2/47

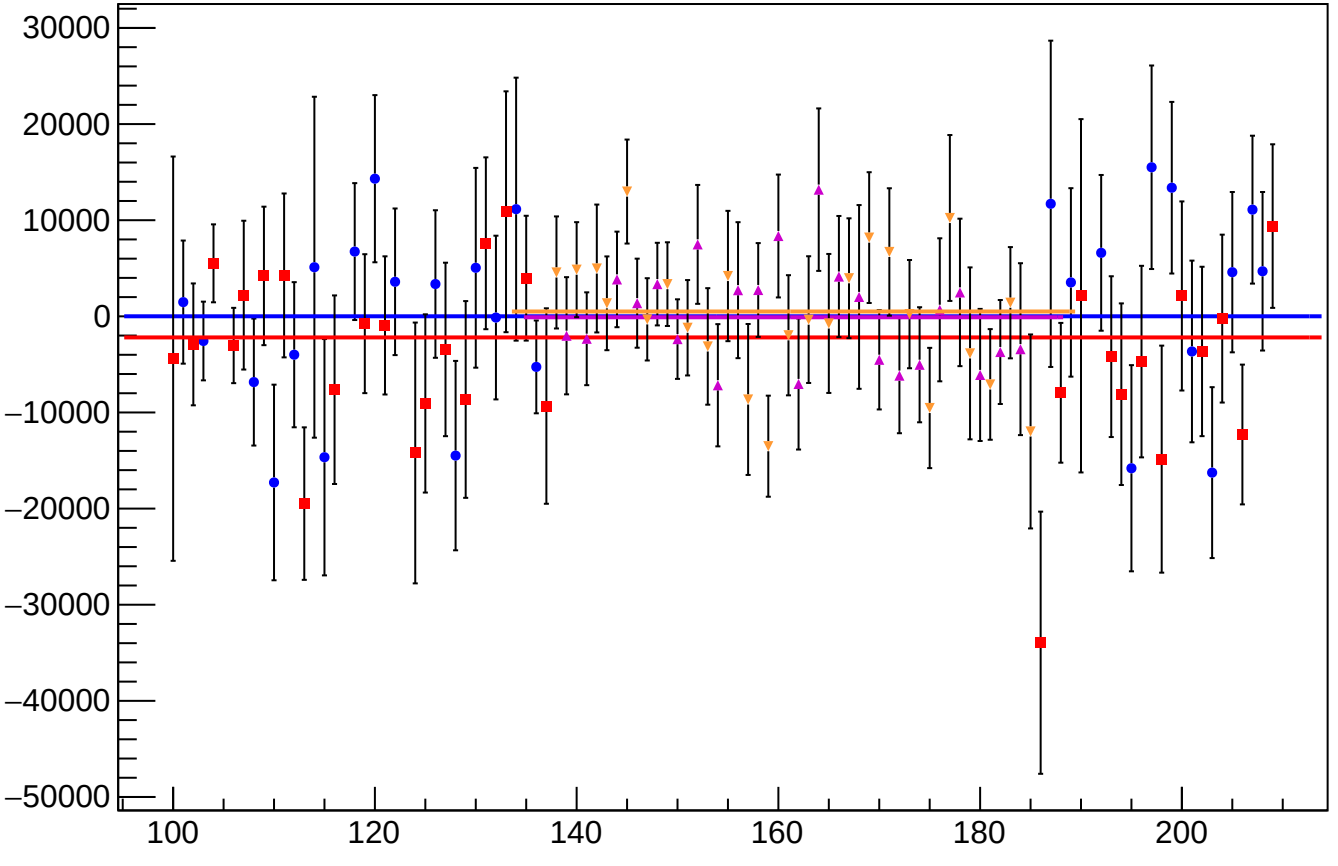
Right: 1617.235+/-0.201 χ^2/NDF: 819755.4/57

In: 1573.305+/-0.191 χ^2/NDF:437976.4/49

Out: 1570.550+/-0.185 χ^2/NDF:550187.0/55

All: 1571.885+/-0.133 χ^2/NDF: 988270.8/105

asym_usr_atr2_avg_reg_correction_mean vs Slug, Sign Corrected



Right In: 5.016+/-1539.649 χ^2/NDF: 28.5/26

Left Out: 503.846+/-1187.304 χ^2/NDF:26.8/24

Right Out: -2193.400+/-1417.132 χ^2/NDF: 27.7/30

Left In: -97.910+/-1217.585 χ^2/NDF:14.9/22

Left: 210.544+/-850.054 χ^2/NDF: 41.8/47

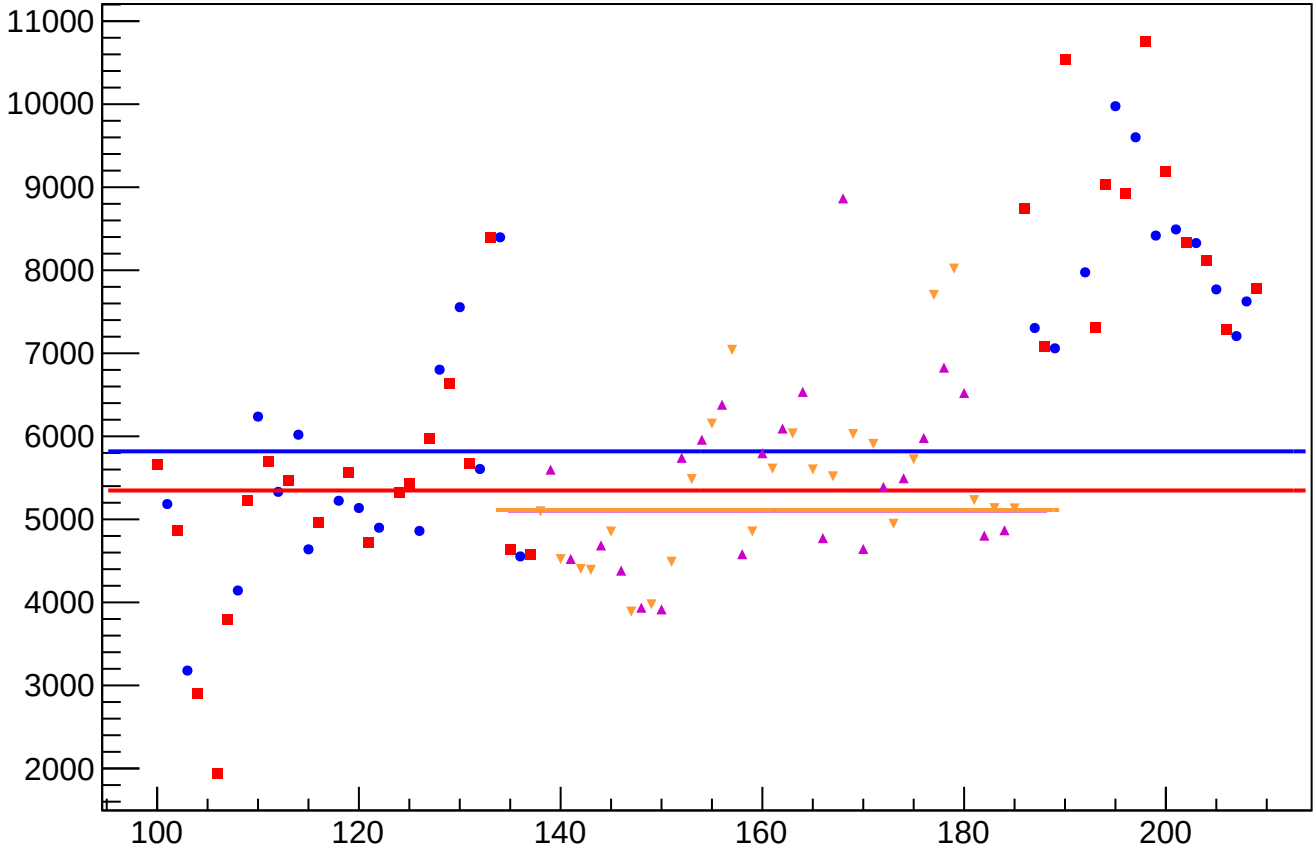
Right: -1185.129+/-1042.690 χ^2/NDF: 57.3/57

In: -58.308+/-955.036 χ^2/NDF:43.4/49

Out: -608.598+/-910.100 χ^2/NDF:56.7/55

All: -346.703+/-658.851 χ^2/NDF: 100.2/105

asym_usr_atr2_avg_reg_correction_rms vs Slug, Sign Corrected



Right In: 5818.908+/-1.089 χ^2/NDF: 2886902.1/26

Left Out: 5112.954+/-0.840 χ^2/NDF:1159010.4/24

Right Out: 5347.783+/-1.002 χ^2/NDF: 5087695.5/30

Left In: 5106.386+/-0.861 χ^2/NDF:1251622.3/22

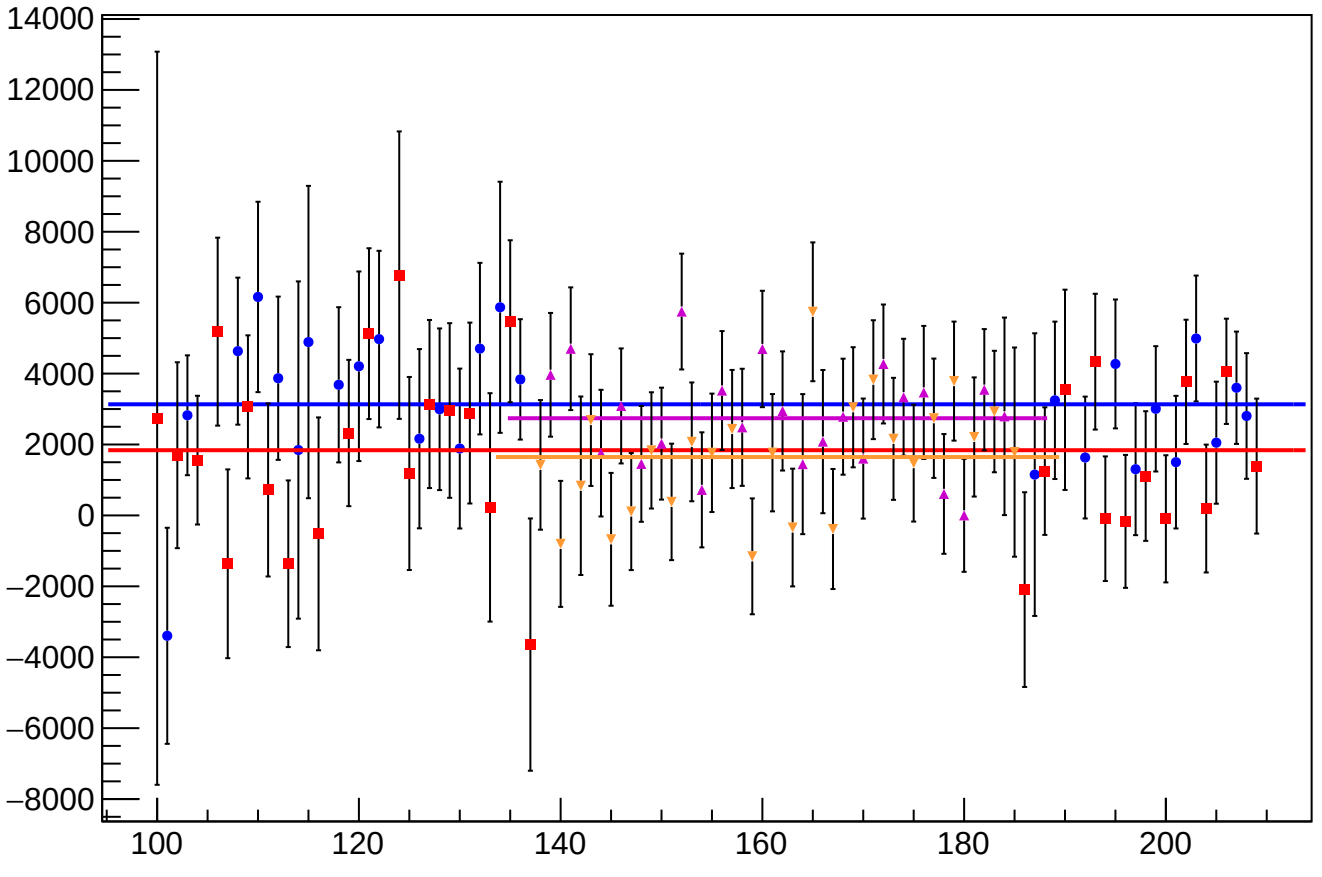
Left: 5109.752+/-0.601 χ^2/NDF: 2410662.5/47

Right: 5563.858+/-0.737 χ^2/NDF: 8075976.7/57

In: 5380.540+/-0.675 χ^2/NDF:4402050.7/49

Out: 5209.806+/-0.644 χ^2/NDF:6278973.6/55

All: 5291.062+/-0.466 χ^2/NDF: 10714522.8/1



Right In: 3133.612+/-410.261 χ^2/NDF: 13.9/26

Left Out: 1646.294+/-349.758 χ^2/NDF:21.0/24

Right Out: 1839.225+/-397.845 χ^2/NDF: 27.6/30

Left In: 2740.826+/-358.458 χ^2/NDF:16.4/22

Left: 2180.117+/-250.336 χ^2/NDF: 42.3/47

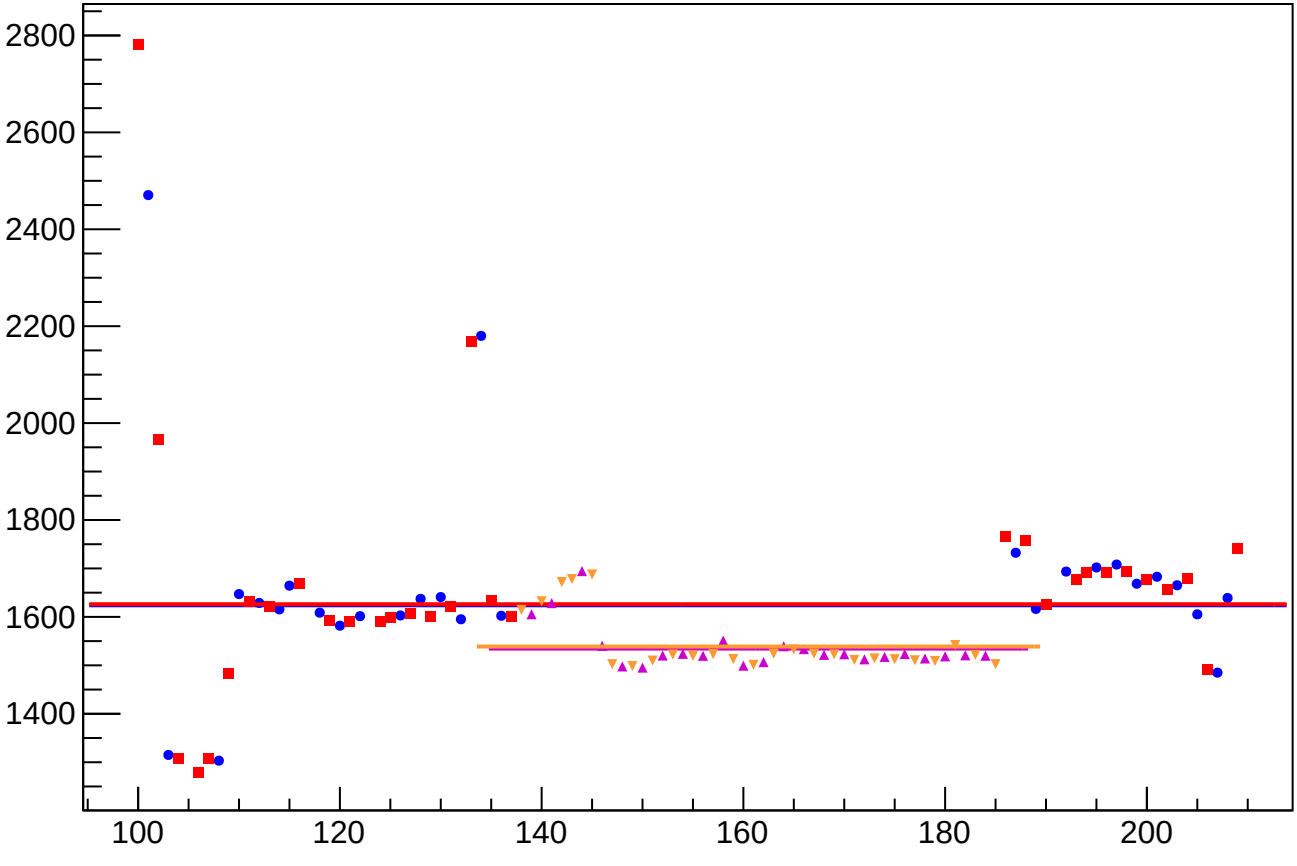
Right: 2466.536+/-285.608 χ^2/NDF: 46.6/57

In: 2910.869+/-269.937 χ^2/NDF:30.9/49

Out: 1730.401+/-262.681 χ^2/NDF:48.7/55

All: 2304.558+/-188.257 χ^2/NDF: 89.4/105

cor_asym_usr_atr2_avg_rms vs Slug, Sign Corrected



Right In: 1623.987+/-0.290 χ^2/NDF: 353032.8/26

Left Out: 1538.810+/-0.247 χ^2/NDF:47056.2/24

Right Out: 1626.091+/-0.281 χ^2/NDF: 310942.5/30

Left In: 1534.615+/-0.253 χ^2/NDF:31120.6/22

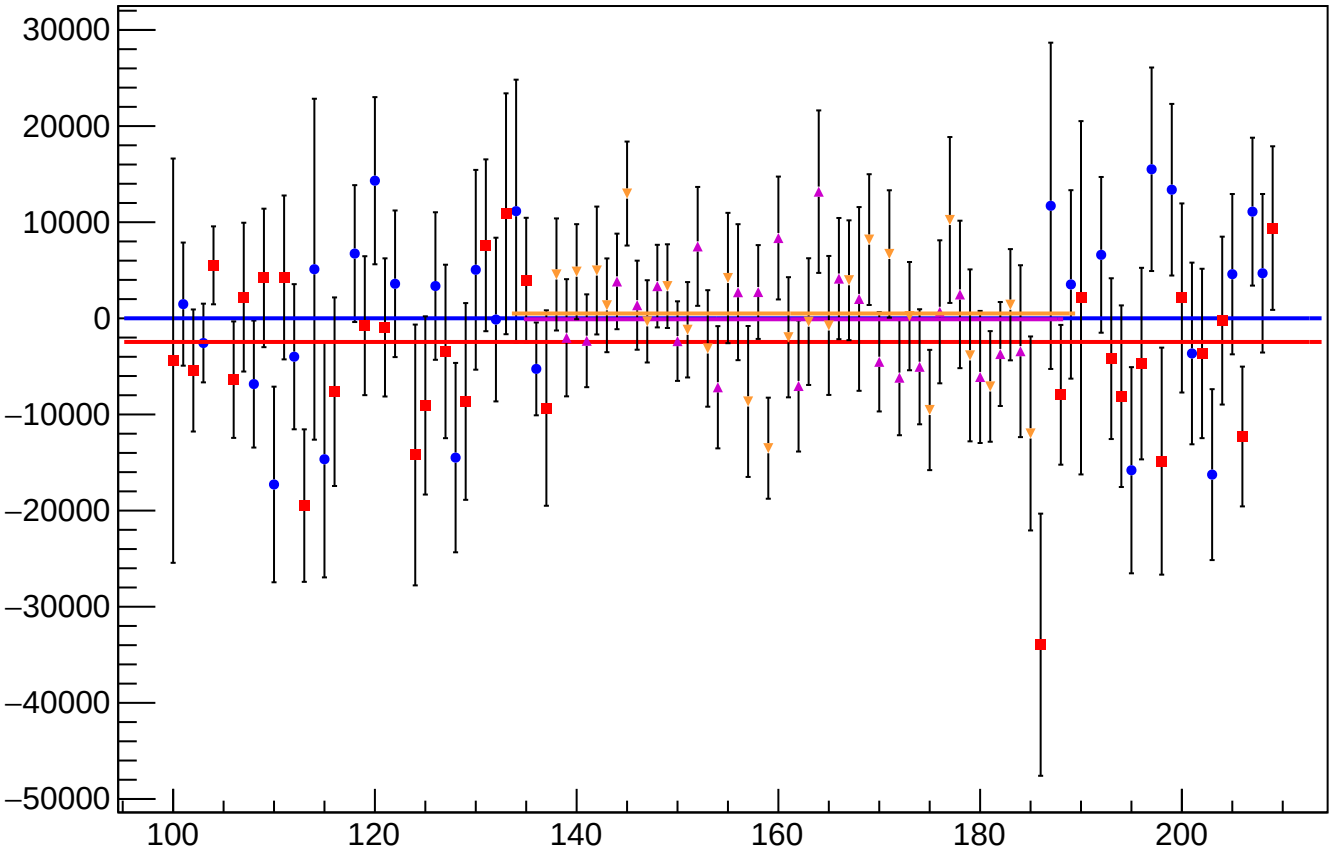
Left: 1536.764+/-0.177 χ^2/NDF: 78317.1/47

Right: 1625.073+/-0.202 χ^2/NDF: 664002.4/57

In: 1573.305+/-0.191 χ^2/NDF:437975.6/49

Out: 1576.937+/-0.186 χ^2/NDF:412405.2/55

All: 1575.172+/-0.133 χ^2/NDF: 850566.9/105



Right In: 4.951+/-1539.671 χ^2/NDF: 28.5/26

Left Out: 503.849+/-1187.302 χ^2/NDF:26.8/24

Right Out: -2457.606+/-1474.528 χ^2/NDF: 28.4/30

Left In: -97.930+/-1217.585 χ^2/NDF:14.9/22

Left: 210.536+/-850.054 χ^2/NDF: 41.8/47

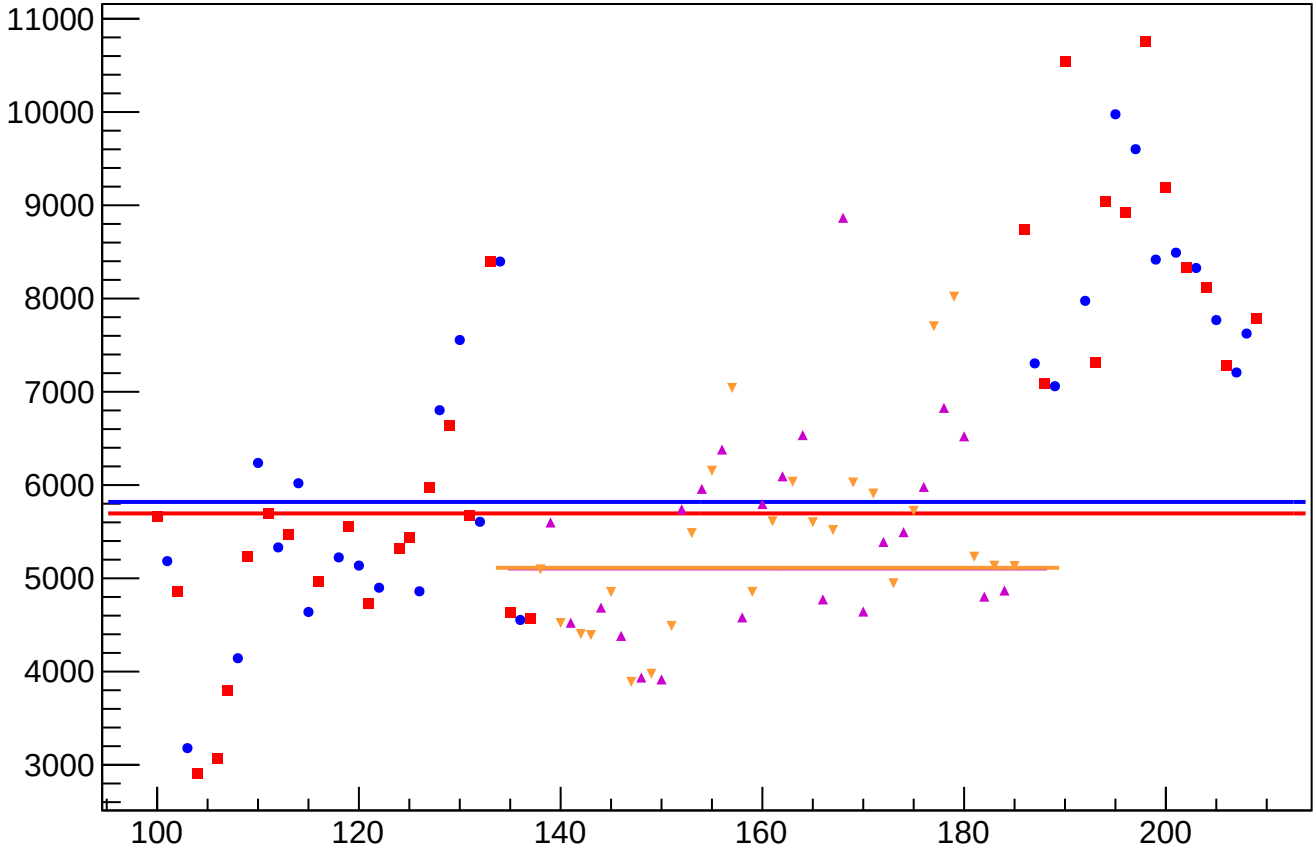
Right: -1279.523+/-1064.934 χ^2/NDF: 58.2/57

In: -58.346+/-955.041 χ^2/NDF:43.4/49

Out: -661.000+/-924.773 χ^2/NDF:57.6/55

All: -369.374+/-664.356 χ^2/NDF: 101.2/105

asym_usr_atr2_avg_cor_correction_rms vs Slug, Sign Corrected



Right In: 5819.031+/-1.089 χ^2/NDF: 2886522.8/26

Left Out: 5112.947+/-0.840 χ^2/NDF:1159023.2/24

Right Out: 5695.827+/-1.043 χ^2/NDF: 3744709.4/30

Left In: 5106.384+/-0.861 χ^2/NDF:1251622.9/22

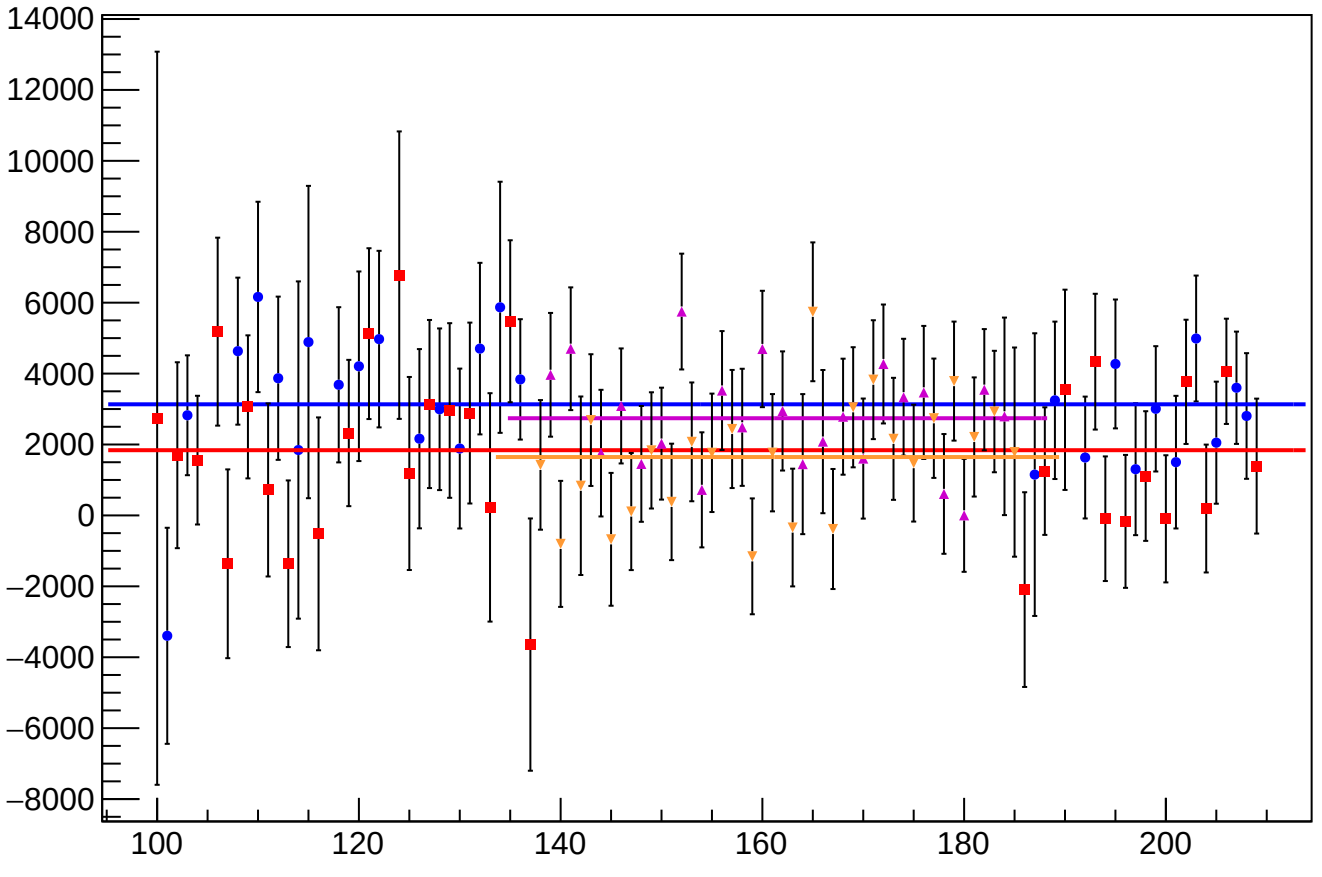
Left: 5109.748+/-0.601 χ^2/NDF: 2410675.9/47

Right: 5754.768+/-0.753 χ^2/NDF: 6637912.0/57

In: 5380.581+/-0.675 χ^2/NDF:4401760.0/49

Out: 5342.215+/-0.654 χ^2/NDF:5093329.4/55

All: 5360.780+/-0.470 χ^2/NDF: 9496755.1/10



Right In: 3133.612+/-410.261 χ^2/NDF: 13.9/26

Left Out: 1646.294+/-349.758 χ^2/NDF:21.0/24

Right Out: 1839.225+/-397.845 χ^2/NDF: 27.6/30

Left In: 2740.826+/-358.458 χ^2/NDF:16.4/22

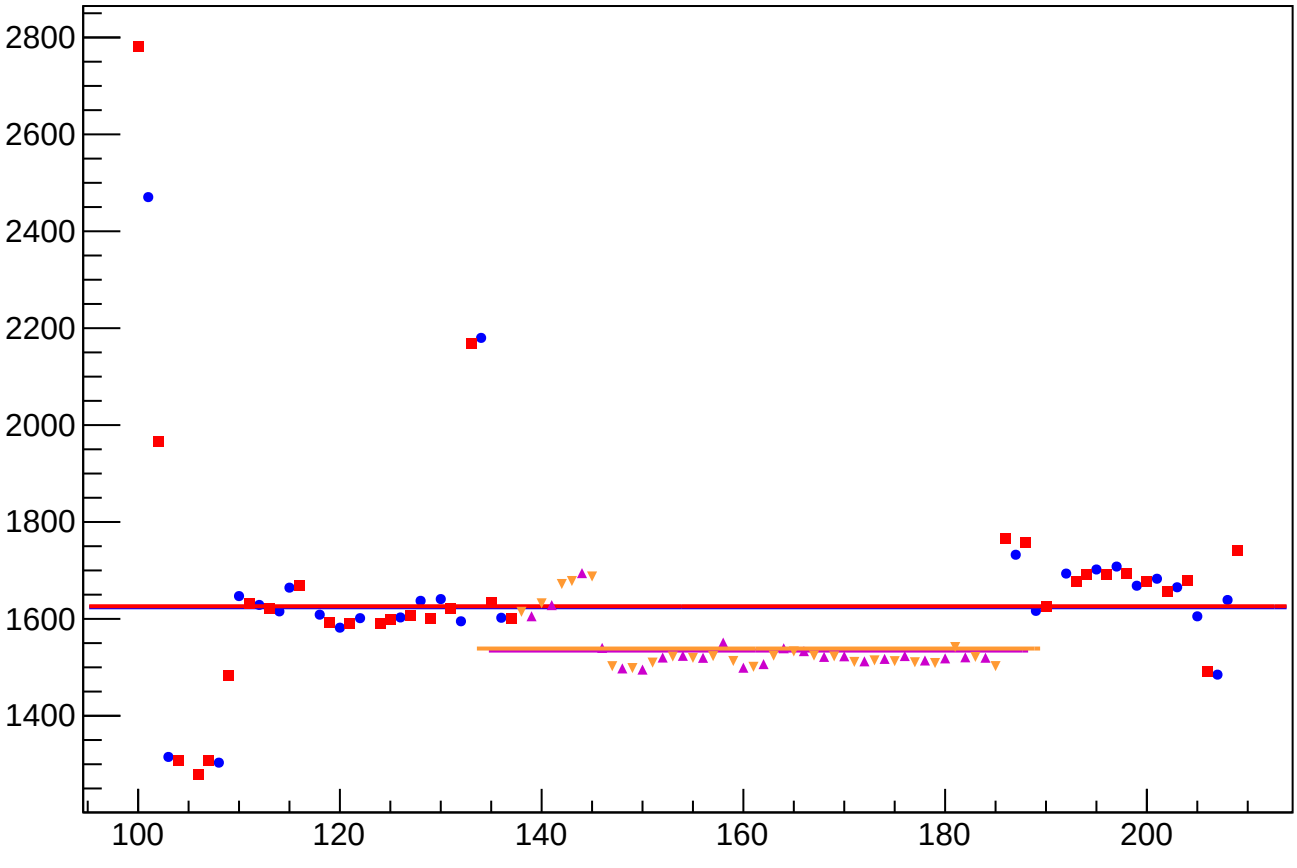
Left: 2180.117+/-250.336 χ^2/NDF: 42.3/47

Right: 2466.536+/-285.608 χ^2/NDF: 46.6/57

In: 2910.869+/-269.937 χ^2/NDF:30.9/49

Out: 1730.401+/-262.681 χ^2/NDF:48.7/55

All: 2304.558+/-188.257 χ^2/NDF: 89.4/105



Right In: 1623.987+/-0.290 χ^2/NDF: 353032.8/26

Left Out: 1538.810+/-0.247 χ^2/NDF:47056.2/24

Right Out: 1626.091+/-0.281 χ^2/NDF: 310942.5/30

Left In: 1534.615+/-0.253 χ^2/NDF:31120.6/22

Left: 1536.764+/-0.177 χ^2/NDF: 78317.1/47

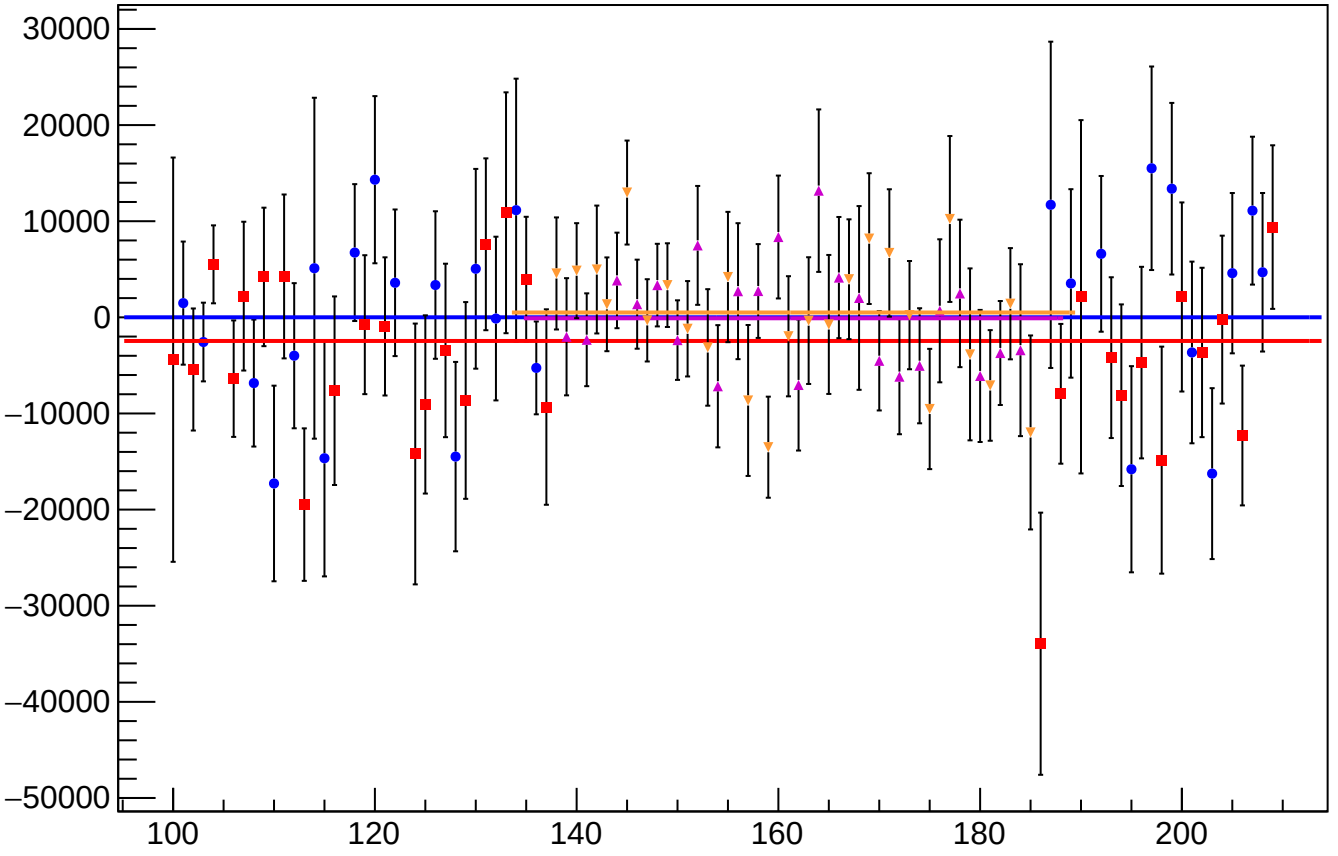
Right: 1625.073+/-0.202 χ^2/NDF: 664002.4/57

In: 1573.305+/-0.191 χ^2/NDF:437975.6/49

Out: 1576.937+/-0.186 χ^2/NDF:412405.2/55

All: 1575.172+/-0.133 χ^2/NDF: 850566.9/105

asym_usr_atr2_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: 4.951+/-1539.671 χ^2/NDF: 28.5/26

Left Out: 503.849+/-1187.302 χ^2/NDF:26.8/24

Right Out: -2457.606+/-1474.528 χ^2/NDF: 28.4/30

Left In: -97.930+/-1217.585 χ^2/NDF:14.9/22

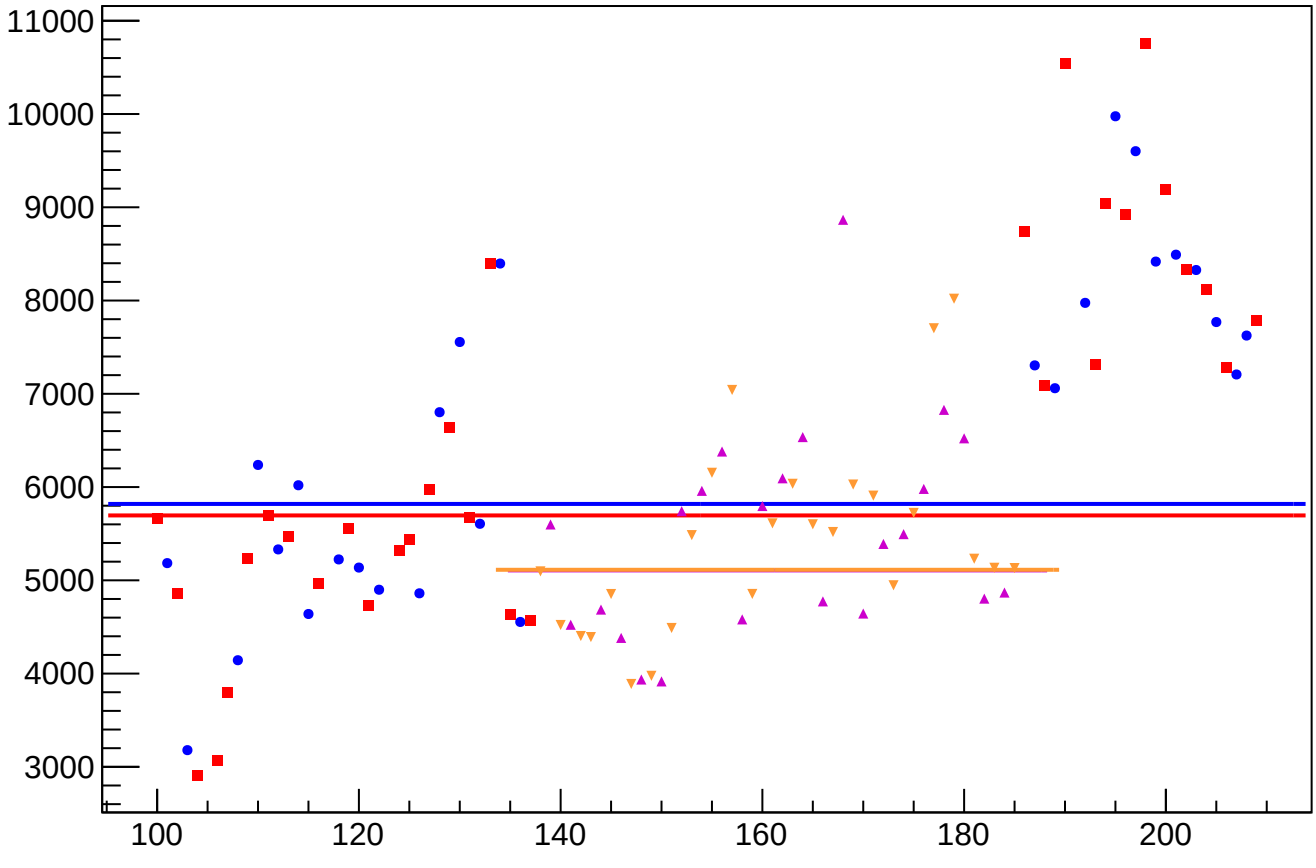
Left: 210.536+/-850.054 χ^2/NDF: 41.8/47

Right: -1279.523+/-1064.934 χ^2/NDF: 58.2/57

In: -58.346+/-955.041 χ^2/NDF:43.4/49

Out: -661.000+/-924.773 χ^2/NDF:57.6/55

All: -369.374+/-664.356 χ^2/NDF: 101.2/105



Right In: 5819.031+/-1.089 χ^2/NDF: 2886522.8/26

Left Out: 5112.947+/-0.840 χ^2/NDF:1159023.2/24

Right Out: 5695.827+/-1.043 χ^2/NDF: 3744709.4/30

Left In: 5106.384+/-0.861 χ^2/NDF:1251622.9/22

Left: 5109.748+/-0.601 χ^2/NDF: 2410675.9/47

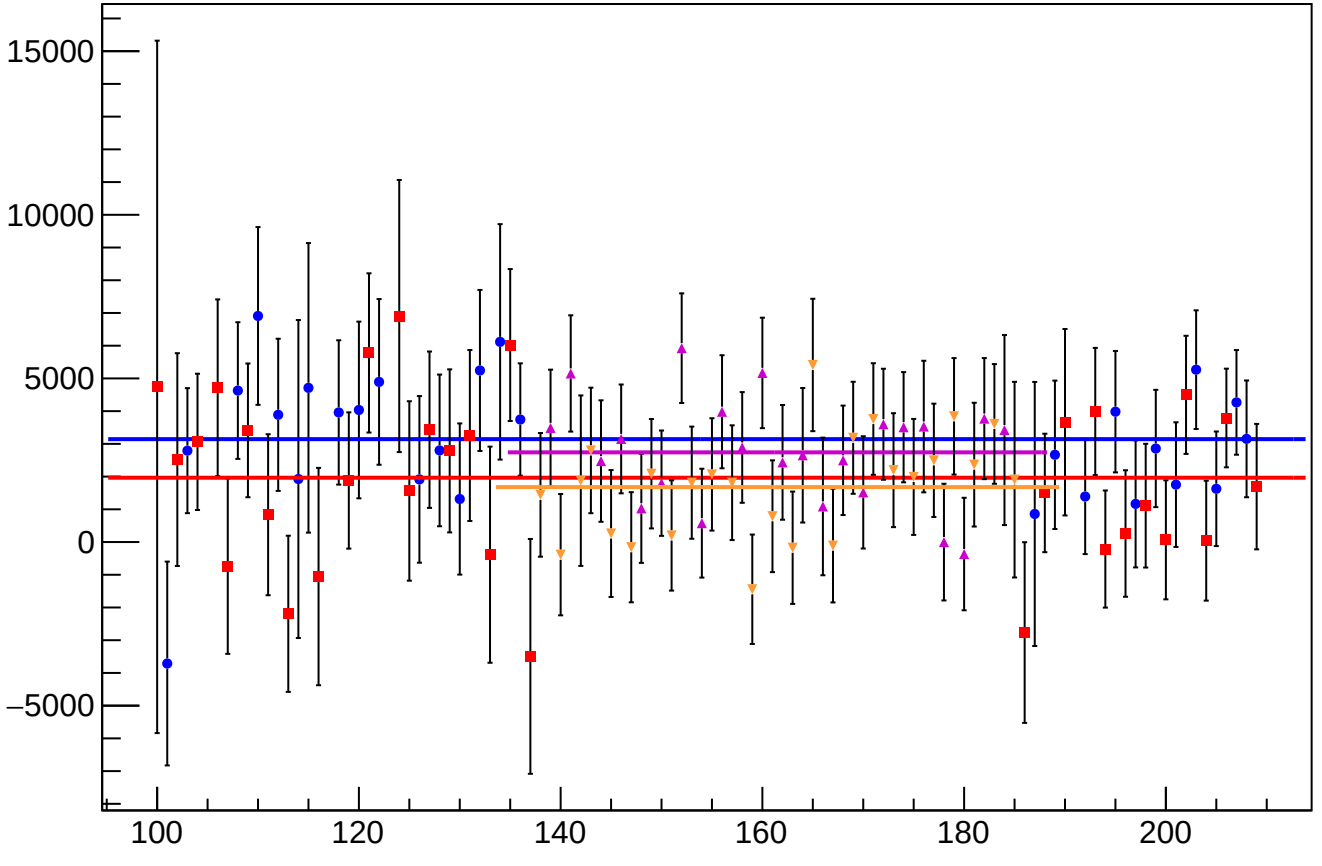
Right: 5754.768+/-0.753 χ^2/NDF: 6637912.0/57

In: 5380.581+/-0.675 χ^2/NDF:4401760.0/49

Out: 5342.215+/-0.654 χ^2/NDF:5093329.4/55

All: 5360.780+/-0.470 χ^2/NDF: 9496755.1/10

dit_asym_usr_atr2_avg_mean vs Slug, Sign Corrected



Right In: 3144.311+/-419.342 χ^2/NDF: 16.5/26

Left Out: 1679.163+/-362.391 χ^2/NDF:19.0/24

Right Out: 1965.345+/-407.803 χ^2/NDF: 30.1/30

Left In: 2740.666+/-370.604 χ^2/NDF:19.2/22

Left: 2198.022+/-259.104 χ^2/NDF: 42.3/47

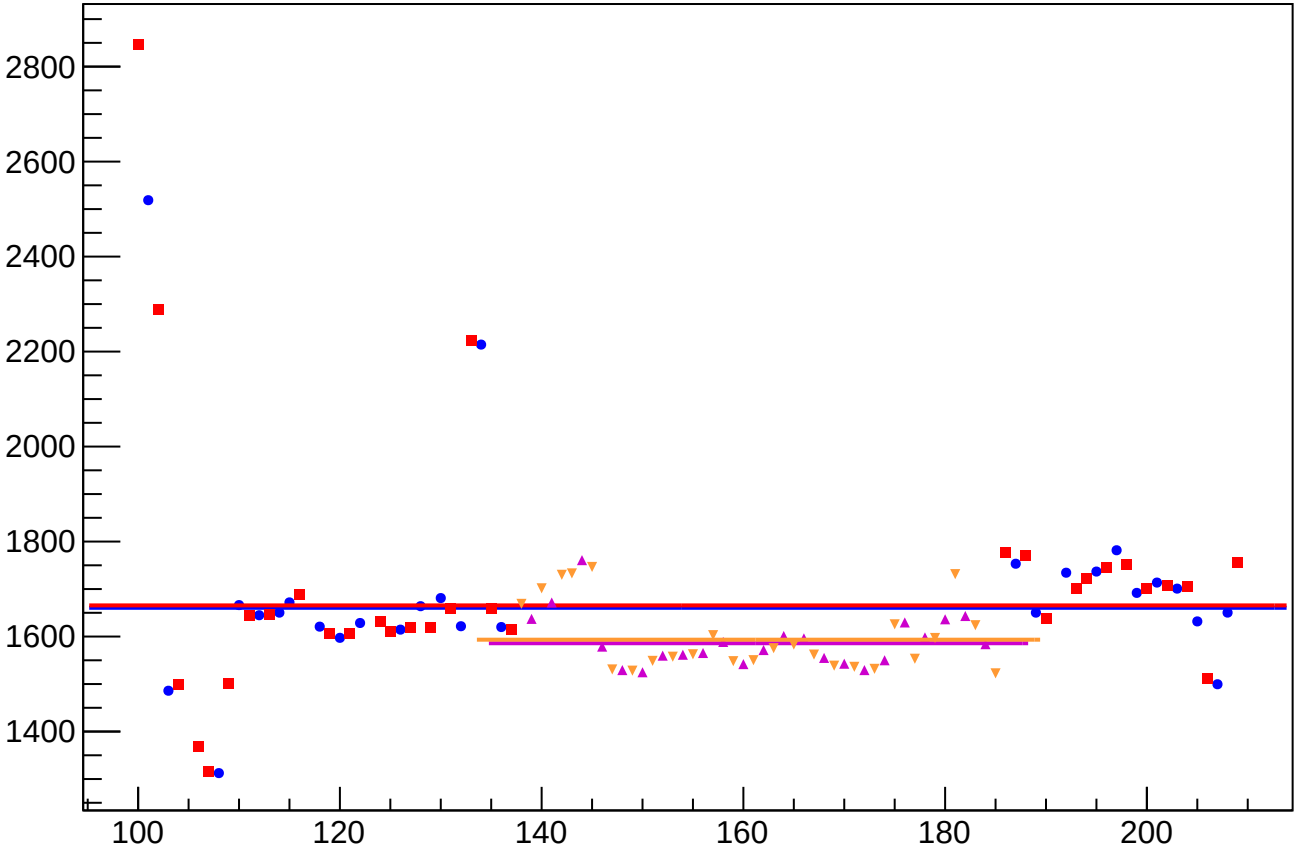
Right: 2538.383+/-292.355 χ^2/NDF: 50.6/57

In: 2917.679+/-277.697 χ^2/NDF:36.2/49

Out: 1805.439+/-270.888 χ^2/NDF:49.3/55

All: 2347.755+/-193.909 χ^2/NDF: 93.7/105

dit_asym_usr_atr2_avg_rms vs Slug, Sign Corrected



Right In: 1660.576+/-0.297 χ^2/NDF: 316046.4/26

Left Out: 1593.388+/-0.256 χ^2/NDF:71876.4/24

Right Out: 1665.590+/-0.288 χ^2/NDF: 294032.5/30

Left In: 1585.918+/-0.262 χ^2/NDF:41915.3/22

Left: 1589.737+/-0.183 χ^2/NDF: 114207.1/47

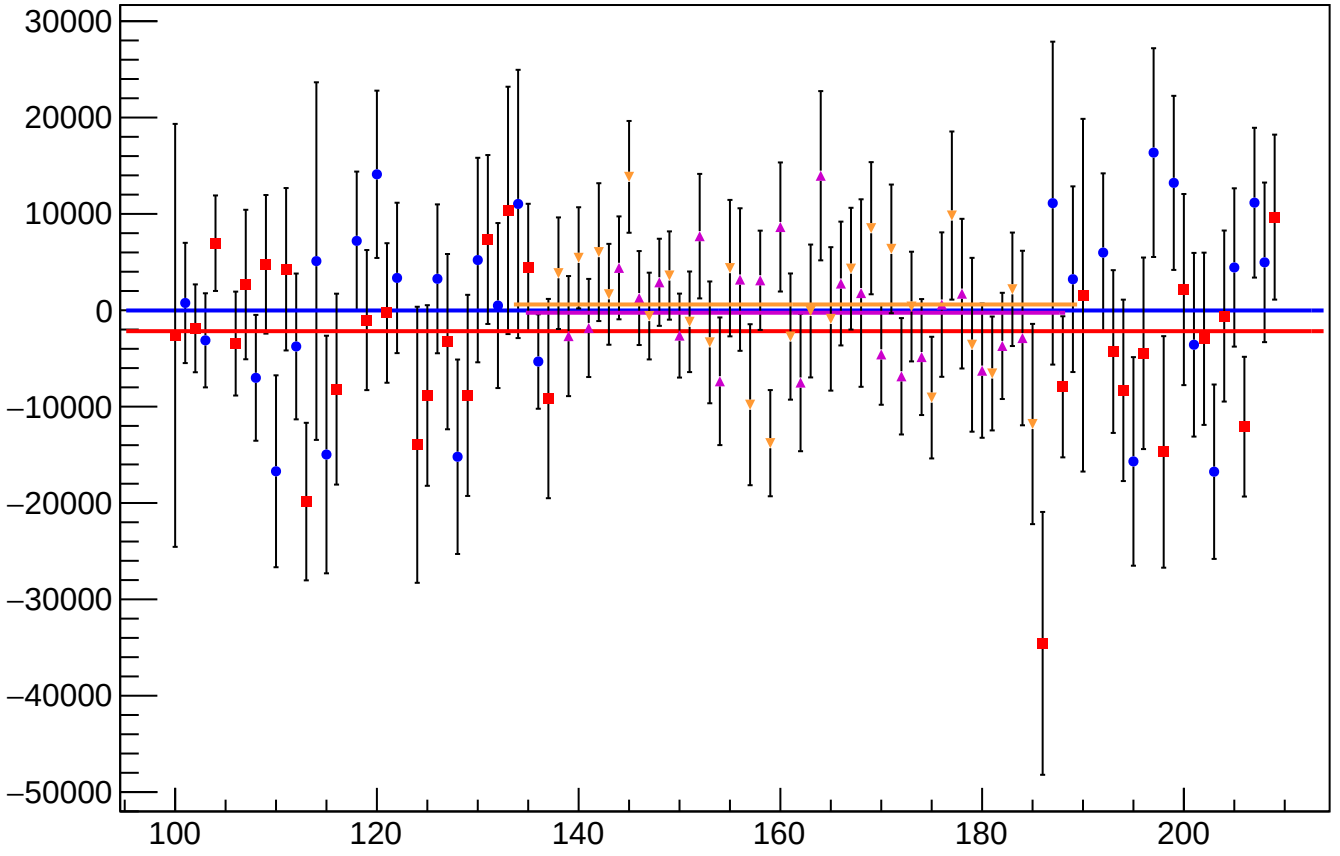
Right: 1663.154+/-0.207 χ^2/NDF: 610225.9/57

In: 1618.658+/-0.196 χ^2/NDF:393554.6/49

Out: 1625.260+/-0.192 χ^2/NDF:400955.3/55

All: 1622.042+/-0.137 χ^2/NDF: 795089.3/105

asym_usr_atr2_avg_dit_correction_mean vs Slug, Sign Corrected



Right In: -21.846+/-1579.869 χ^2/NDF: 28.4/26

Left Out: 601.820+/-1233.559 χ^2/NDF:26.0/24

Right Out: -2168.903+/-1467.271 χ^2/NDF: 27.6/30

Left In: -255.905+/-1262.607 χ^2/NDF:14.6/22

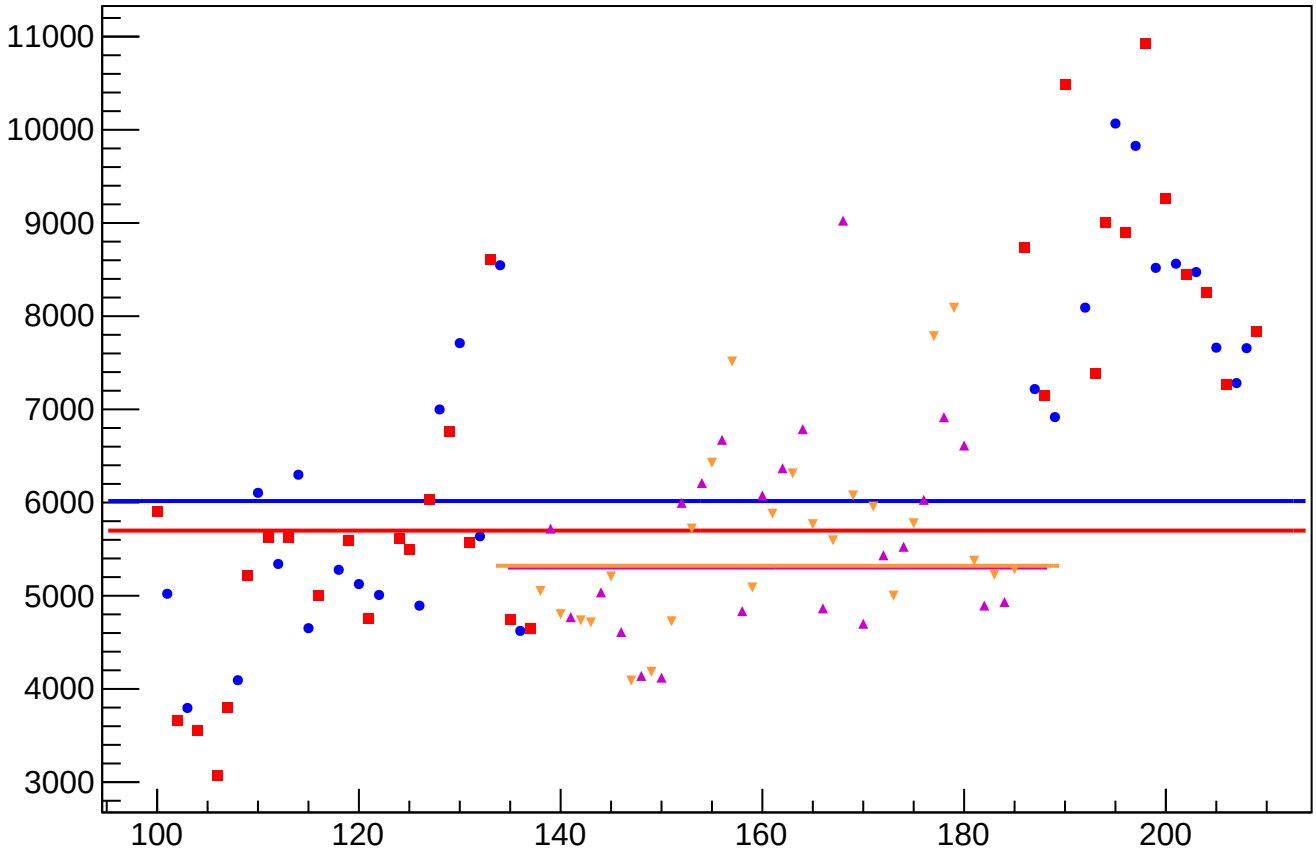
Left: 182.938+/-882.349 χ^2/NDF: 40.9/47

Right: -1174.604+/-1075.122 χ^2/NDF: 57.0/57

In: -164.678+/-986.323 χ^2/NDF:43.1/49

Out: -545.563+/-944.209 χ^2/NDF:55.7/55

All: -363.426+/-682.059 χ^2/NDF: 98.9/105



Right In: 6016.301+/-1.117 χ^2/NDF: 2436764.9/26

Left Out: 5321.956+/-0.872 χ^2/NDF:1037009.2/24

Right Out: 5698.877+/-1.038 χ^2/NDF: 3667503.3/30

Left In: 5302.849+/-0.893 χ^2/NDF:1152376.1/22

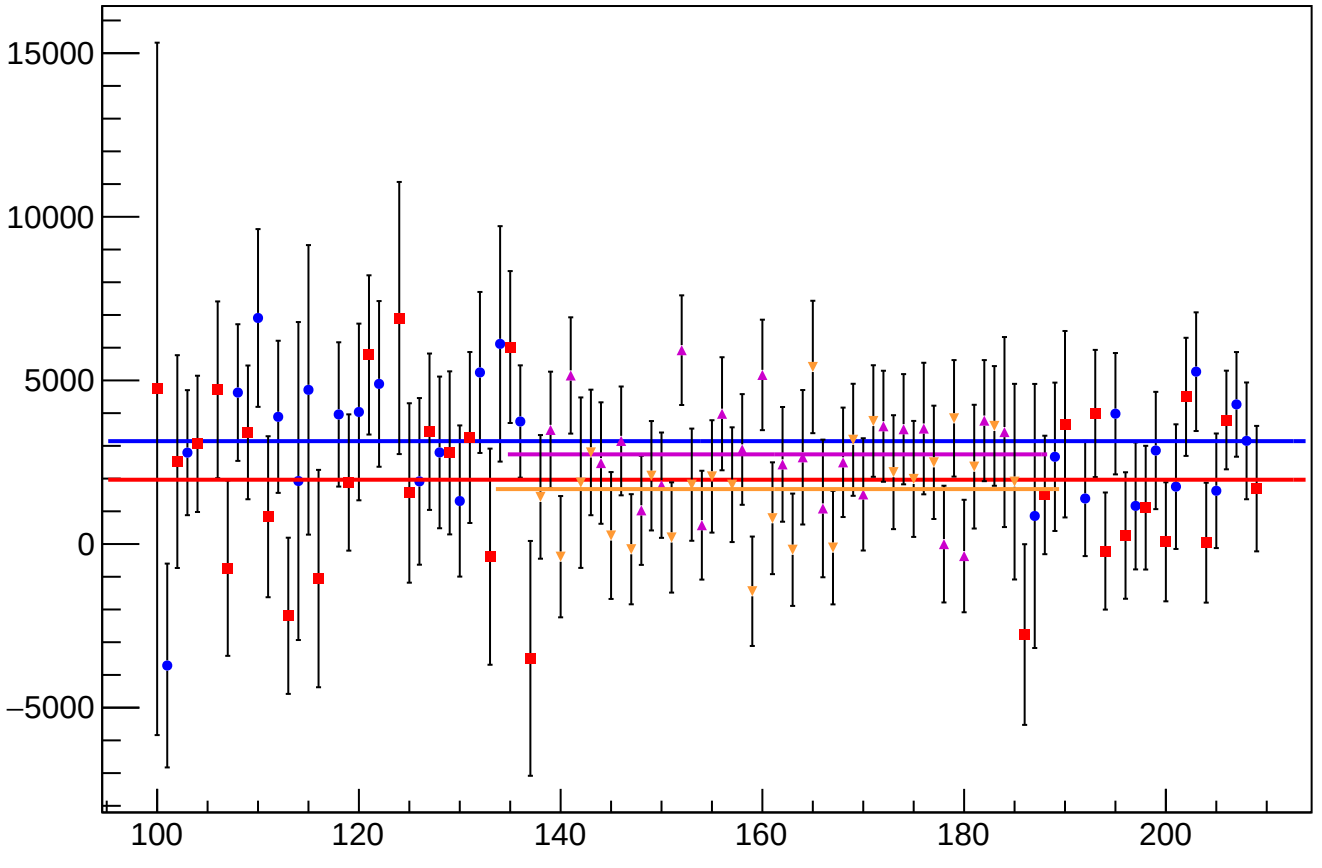
Left: 5312.625+/-0.624 χ^2/NDF: 2189619.6/47

Right: 5845.876+/-0.760 χ^2/NDF: 6147615.5/57

In: 5580.923+/-0.697 χ^2/NDF:3838037.6/49

Out: 5478.043+/-0.668 χ^2/NDF:4781838.8/55

All: 5527.240+/-0.482 χ^2/NDF: 8631230.9/10



Right In: 3144.309+/-419.342 χ^2/NDF: 16.5/26

Left Out: 1679.156+/-362.392 χ^2/NDF:19.0/24

Right Out: 1965.345+/-407.803 χ^2/NDF: 30.1/30

Left In: 2740.666+/-370.605 χ^2/NDF:19.2/22

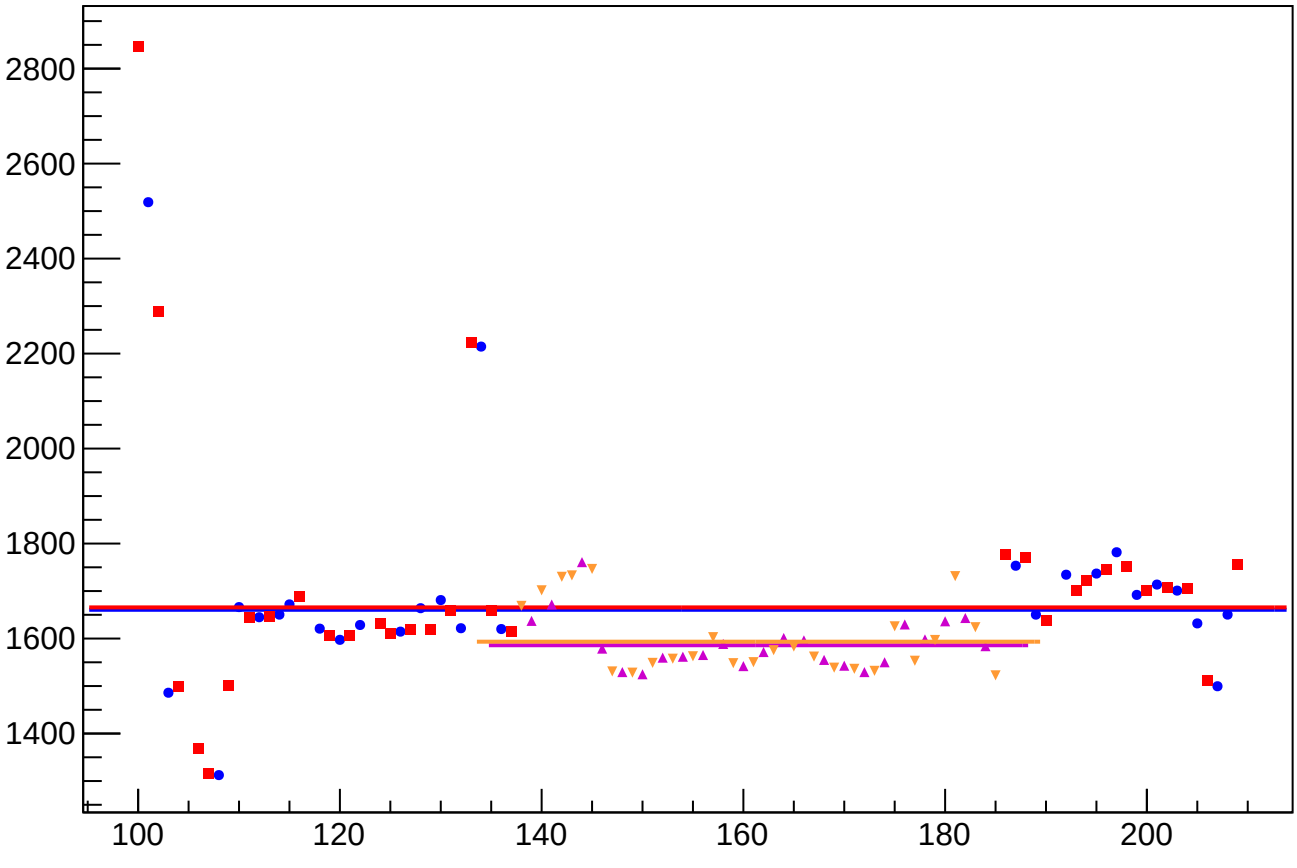
Left: 2198.019+/-259.104 χ^2/NDF: 42.3/47

Right: 2538.382+/-292.355 χ^2/NDF: 50.6/57

In: 2917.678+/-277.697 χ^2/NDF:36.2/49

Out: 1805.435+/-270.888 χ^2/NDF:49.3/55

All: 2347.753+/-193.909 χ^2/NDF: 93.7/105



Right In: 1660.575+/-0.297 χ^2/NDF: 316046.6/26

Left Out: 1593.388+/-0.256 χ^2/NDF:71876.3/24

Right Out: 1665.590+/-0.288 χ^2/NDF: 294032.6/30

Left In: 1585.919+/-0.262 χ^2/NDF:41915.1/22

Left: 1589.737+/-0.183 χ^2/NDF: 114206.7/47

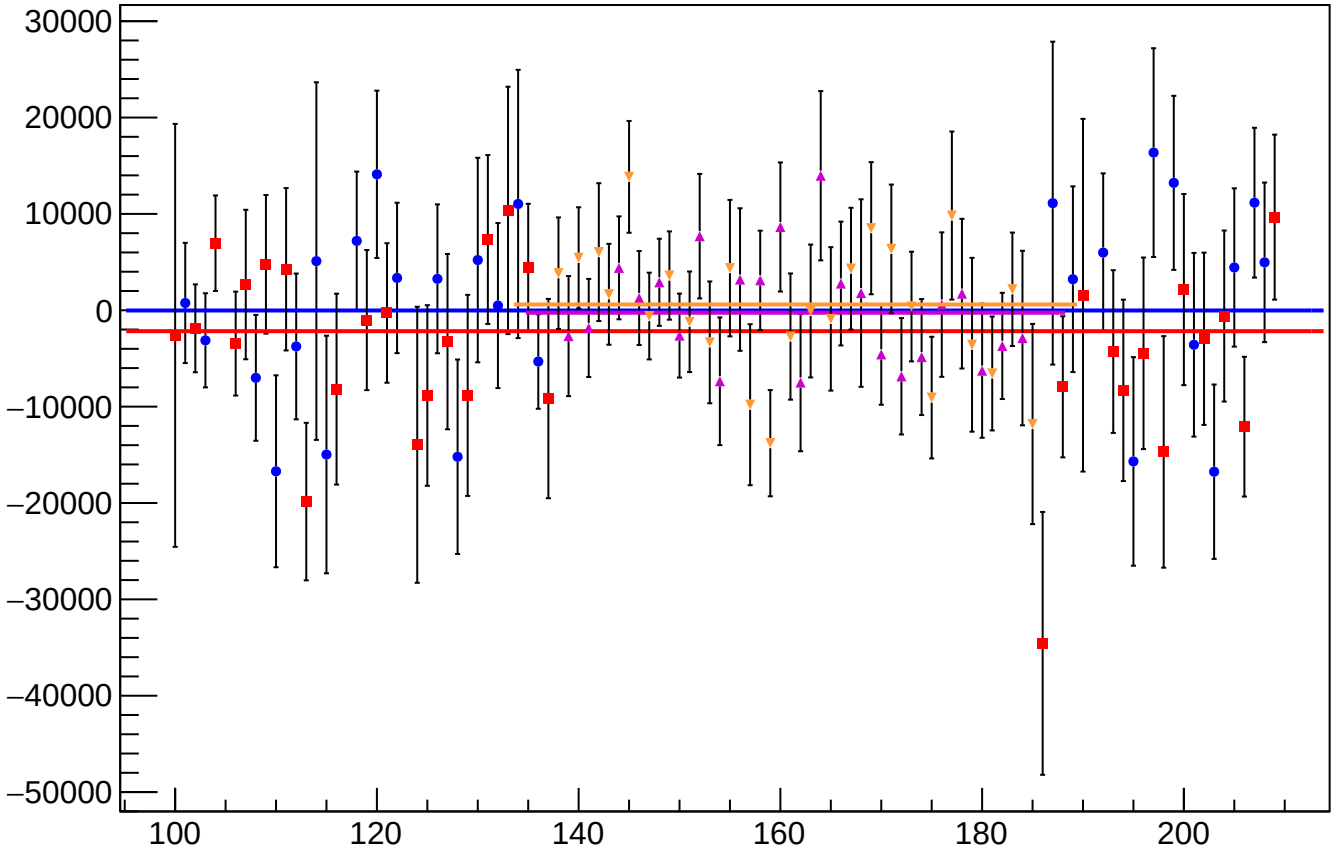
Right: 1663.153+/-0.207 χ^2/NDF: 610226.2/57

In: 1618.659+/-0.196 χ^2/NDF:393553.3/49

Out: 1625.261+/-0.192 χ^2/NDF:400954.4/55

All: 1622.042+/-0.137 χ^2/NDF: 795087.1/105

asym_usr_atr2_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -21.839+/-1579.869 χ^2/NDF: 28.4/26

Left Out: 601.817+/-1233.561 χ^2/NDF:26.0/24

Right Out: -2168.900+/-1467.270 χ^2/NDF: 27.6/30

Left In: -255.907+/-1262.609 χ^2/NDF:14.6/22

Left: 182.935+/-882.350 χ^2/NDF: 40.9/47

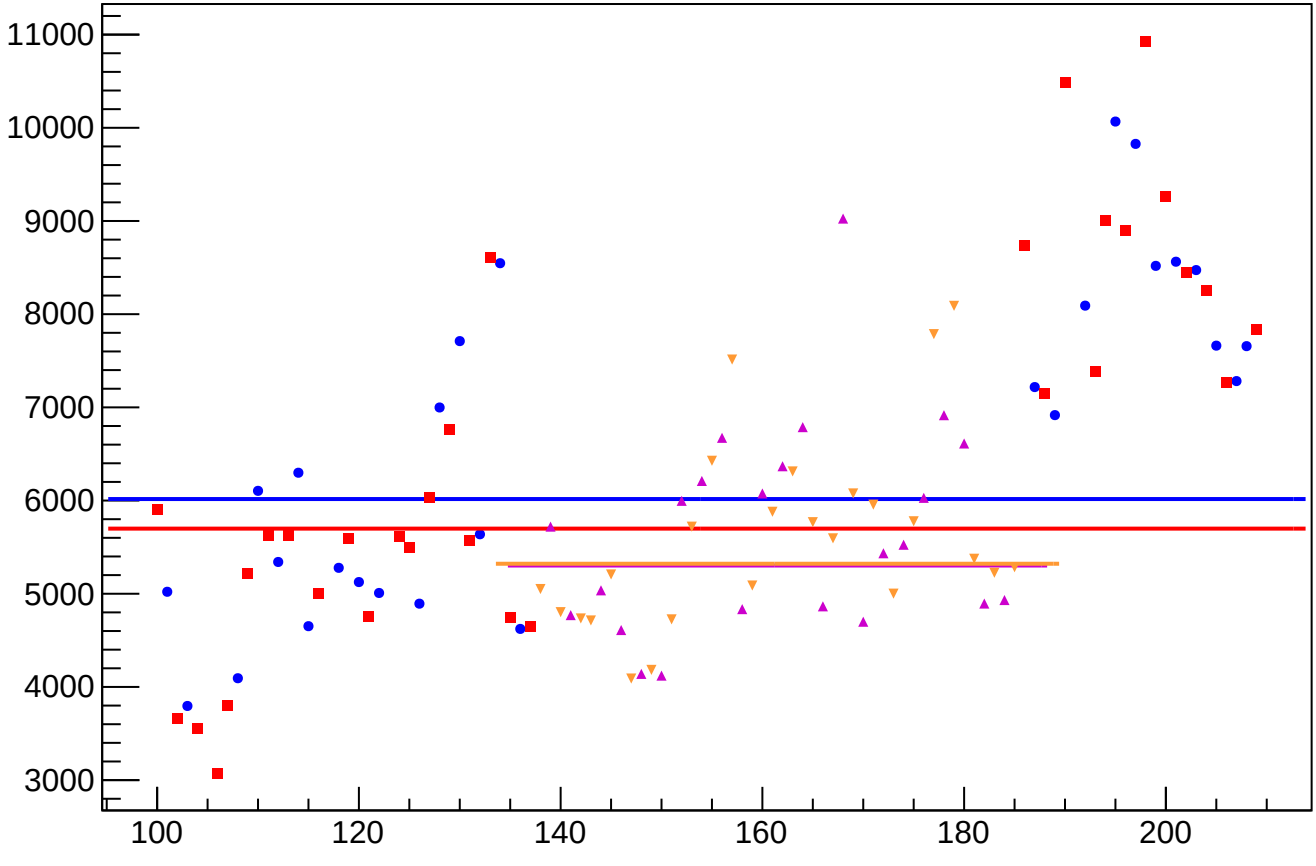
Right: -1174.600+/-1075.121 χ^2/NDF: 57.0/57

In: -164.677+/-986.324 χ^2/NDF:43.1/49

Out: -545.567+/-944.210 χ^2/NDF:55.7/55

All: -363.427+/-682.059 χ^2/NDF: 98.9/105

asym_usr_atr2_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 6016.297+/-1.117 χ^2/NDF: 2436777.3/26

Left Out: 5321.965+/-0.872 χ^2/NDF:1037011.4/24

Right Out: 5698.872+/-1.038 χ^2/NDF: 3667517.2/30

Left In: 5302.858+/-0.893 χ^2/NDF:1152380.1/22

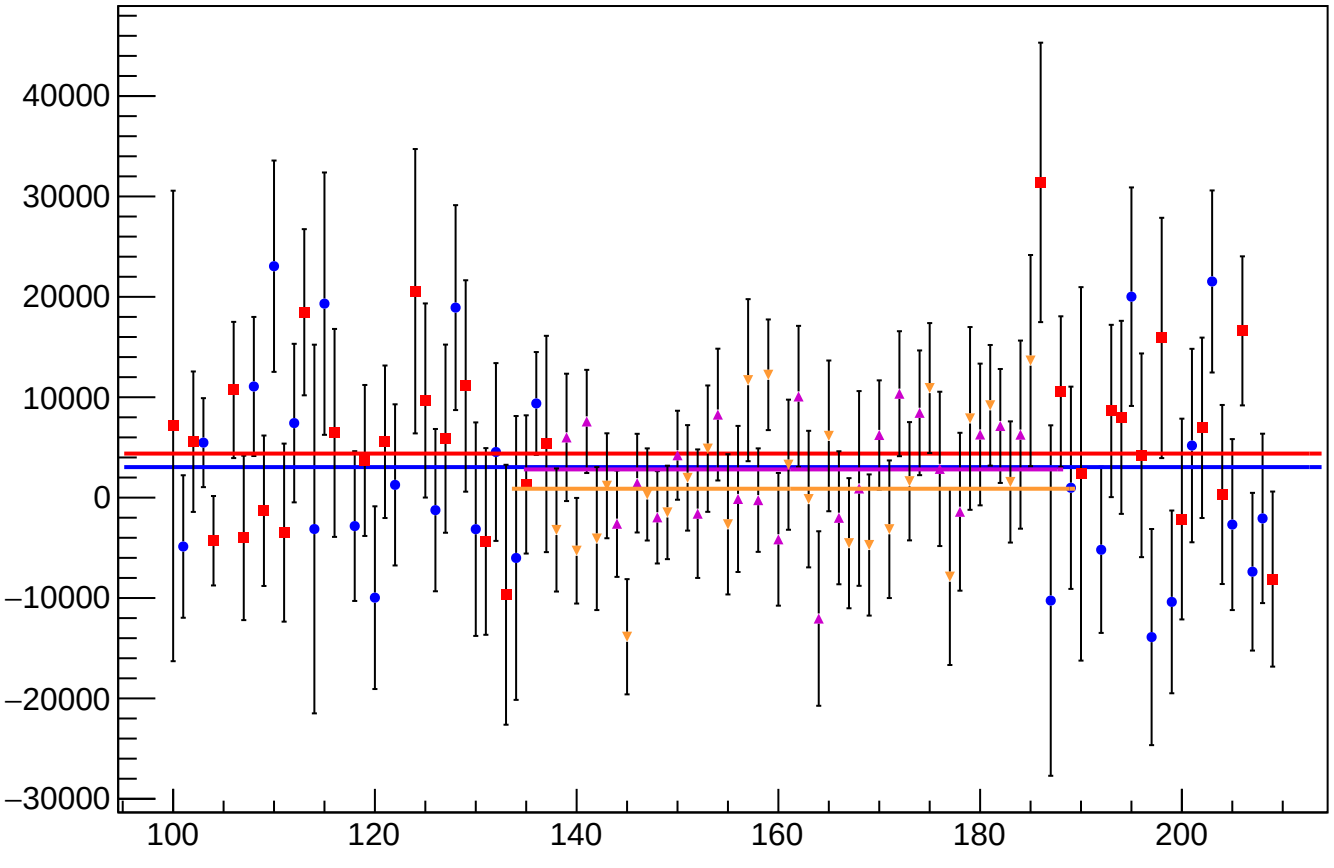
Left: 5312.634+/-0.624 χ^2/NDF: 2189625.8/47

Right: 5845.871+/-0.760 χ^2/NDF: 6147642.2/57

In: 5580.928+/-0.697 χ^2/NDF:3838044.4/49

Out: 5478.046+/-0.668 χ^2/NDF:4781848.7/55

All: 5527.244+/-0.482 χ^2/NDF: 8631247.8/10



Right In: 3040.402+/-1612.591 χ^2/NDF: 31.7/26

Left Out: 885.482+/-1246.500 χ^2/NDF:25.7/24

Right Out: 4387.723+/-1551.861 χ^2/NDF: 25.7/30

Left In: 2810.702+/-1277.225 χ^2/NDF:14.7/22

Left: 1824.657+/-892.073 χ^2/NDF: 41.5/47

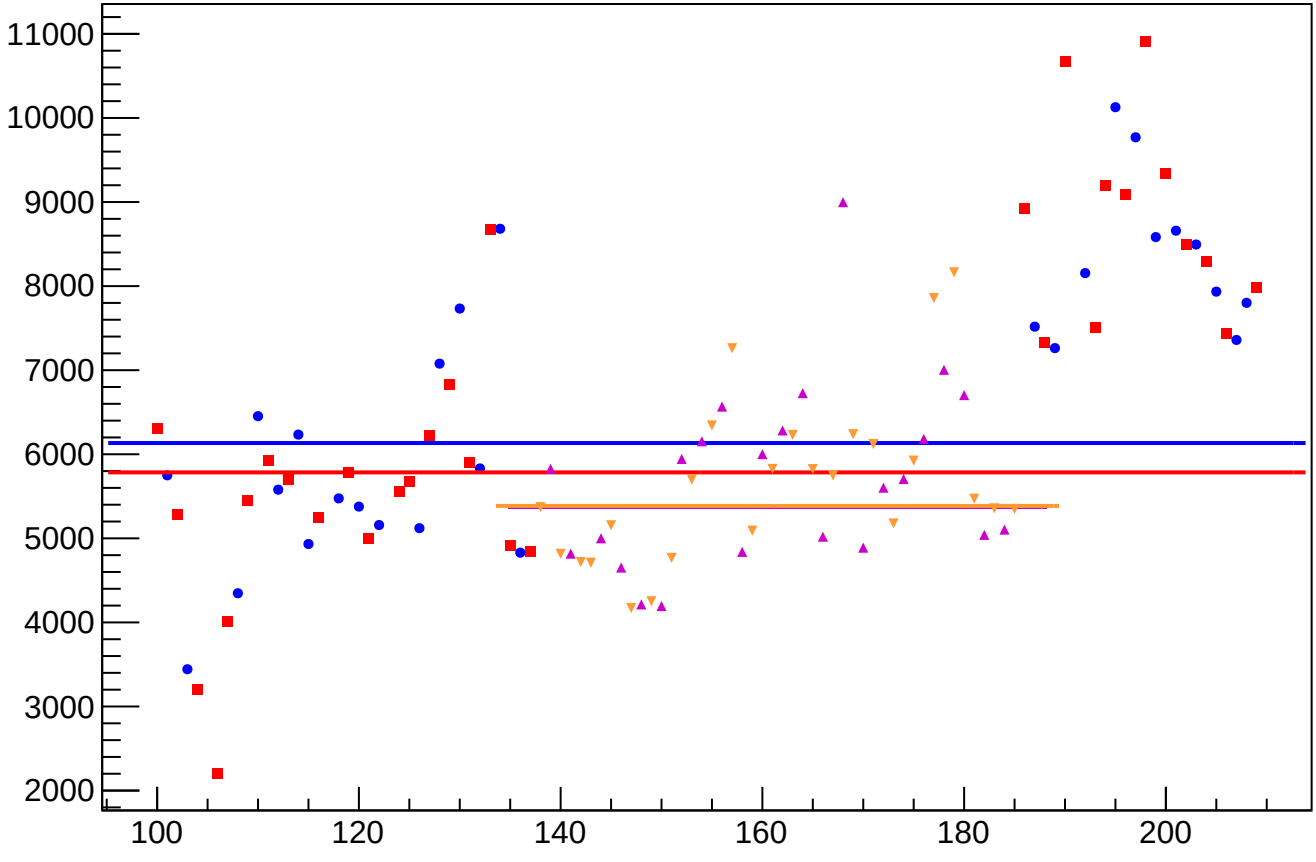
Right: 3739.910+/-1118.185 χ^2/NDF: 57.7/57

In: 2899.249+/-1001.224 χ^2/NDF:46.4/49

Out: 2258.930+/-971.820 χ^2/NDF:54.4/55

All: 2569.549+/-697.344 χ^2/NDF: 101.0/105

asym_usr_atr2_avg_rms vs Slug, Sign Corrected



Right In: 6133.694+/-1.140 χ^2/NDF: 2542929.2/26

Left Out: 5385.653+/-0.881 χ^2/NDF:987089.3/24

Right Out: 5784.437+/-1.068 χ^2/NDF: 4183369.0/30

Left In: 5372.867+/-0.903 χ^2/NDF:1071821.2/22

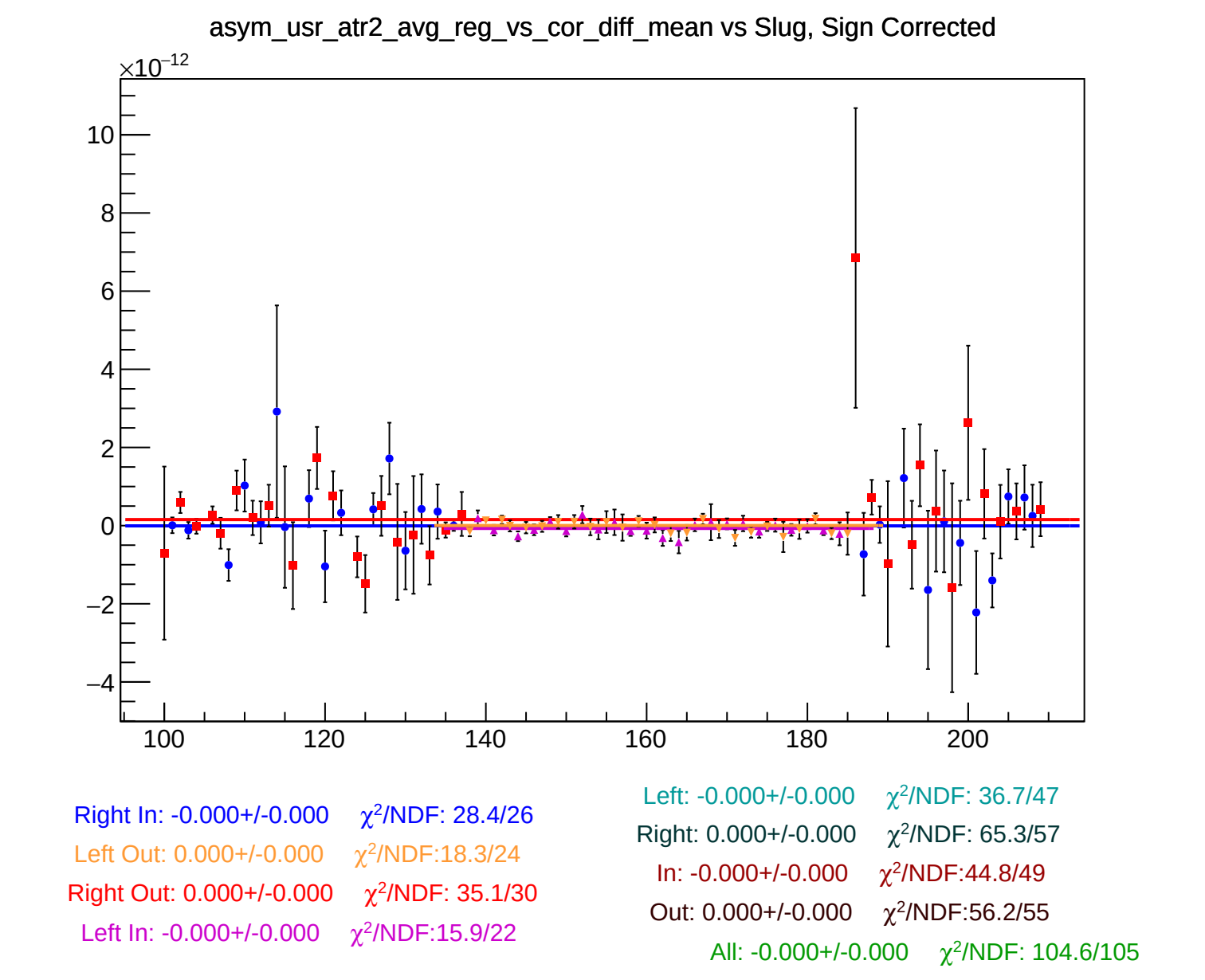
Left: 5379.416+/-0.631 χ^2/NDF: 2059013.2/47

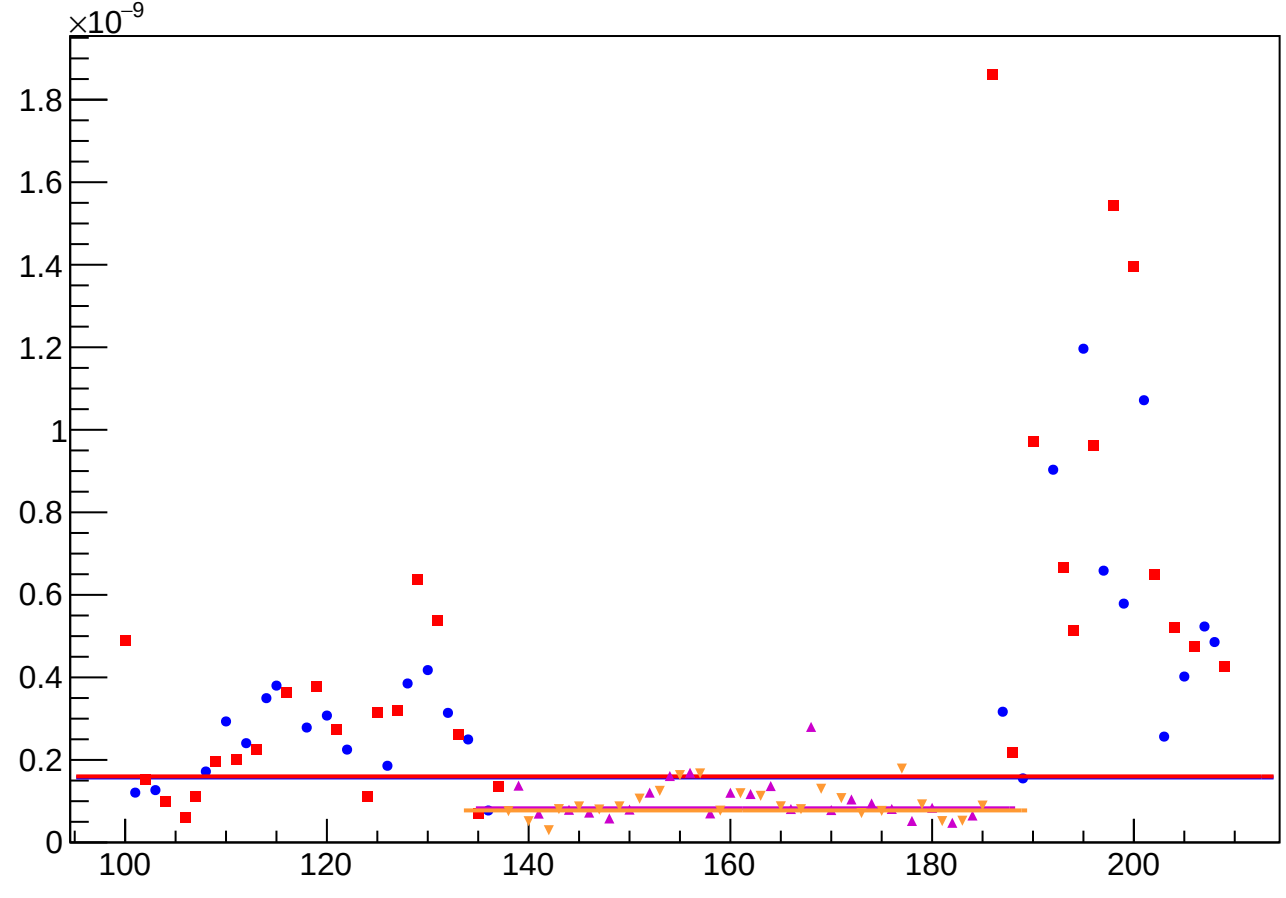
Right: 5947.687+/-0.780 χ^2/NDF: 6776262.3/57

In: 5666.159+/-0.708 χ^2/NDF:3888329.2/49

Out: 5547.178+/-0.680 χ^2/NDF:5253371.0/55

All: 5604.259+/-0.490 χ^2/NDF: 9156394.0/10


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
Right In: -0.000+/-0.000 χ²/NDF: 28.4/26
Left Out: 0.000+/-0.000 χ²/NDF:18.3/24
Right Out: 0.000+/-0.000 χ²/NDF: 35.1/30
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: 65.3/57
In: -0.000+/-0.000 χ²/NDF:44.8/49
Out: 0.000+/-0.000 χ²/NDF:56.2/55
All: -0.000+/-0.000 χ²/NDF: 104.6/105



Right In: 0.000+/-0.000 χ^2/NDF: 5093978.5/26

Left Out: 0.000+/-0.000 χ^2/NDF:1642881.7/24

Right Out: 0.000+/-0.000 χ^2/NDF: 6559357.9/30

Left In: 0.000+/-0.000 χ^2/NDF:1552521.9/22

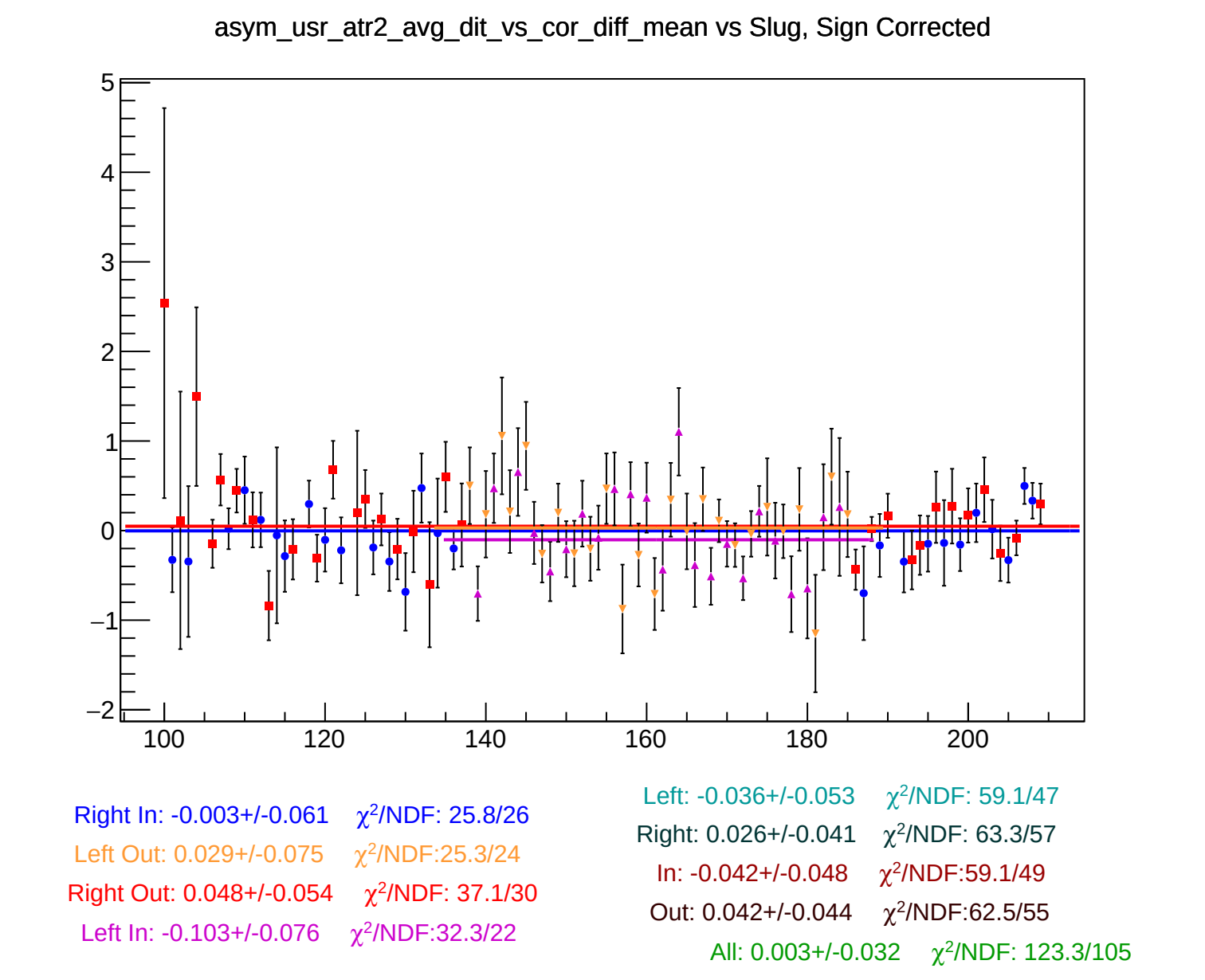
Left: 0.000+/-0.000 χ^2/NDF: 3219165.7/47

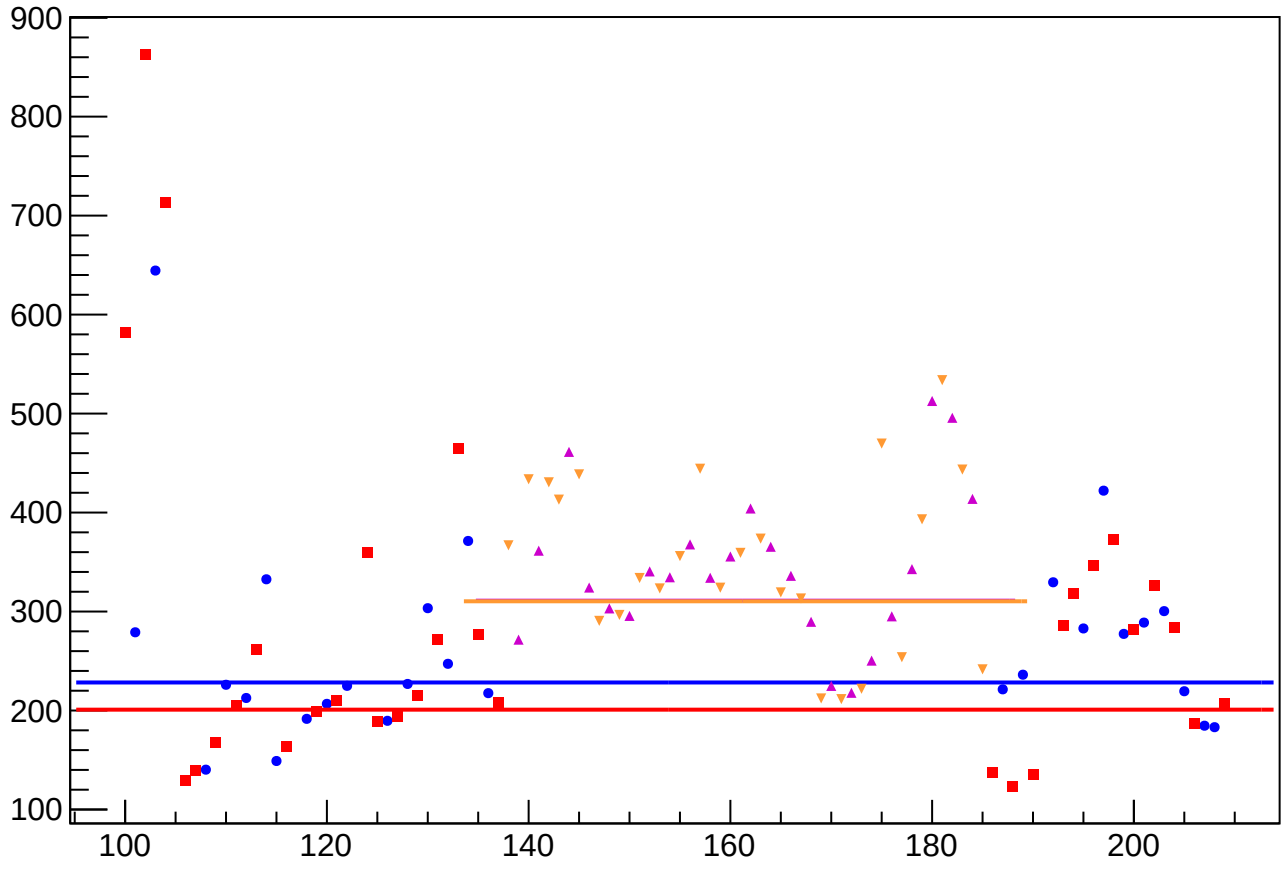
Right: 0.000+/-0.000 χ^2/NDF: 11654299.8/57

In: 0.000+/-0.000 χ^2/NDF:8064435.8/49

Out: 0.000+/-0.000 χ^2/NDF:9853274.1/55

All: 0.000+/-0.000 χ^2/NDF: 17957313.1/105


asym_usr_atr2_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected
5
4
3
2
1
0
−1
−2
100
120
140
160
180
200
Right In: -0.003+/-0.061 χ²/NDF: 25.8/26
Left Out: 0.029+/-0.075 χ²/NDF:25.3/24
Right Out: 0.048+/-0.054 χ²/NDF: 37.1/30
Left In: -0.103+/-0.076 χ²/NDF:32.3/22
Left: -0.036+/-0.053 χ²/NDF: 59.1/47
Right: 0.026+/-0.041 χ²/NDF: 63.3/57
In: -0.042+/-0.048 χ²/NDF:59.1/49
Out: 0.042+/-0.044 χ²/NDF:62.5/55
All: 0.003+/-0.032 χ²/NDF: 123.3/105



Right In: 228.333+/-0.043 χ^2/NDF: 2180516.2/26

Left Out: 310.359+/-0.053 χ^2/NDF:2363086.4/24

Right Out: 200.868+/-0.038 χ^2/NDF: 4339386.3/30

Left In: 310.960+/-0.054 χ^2/NDF:1600370.0/22

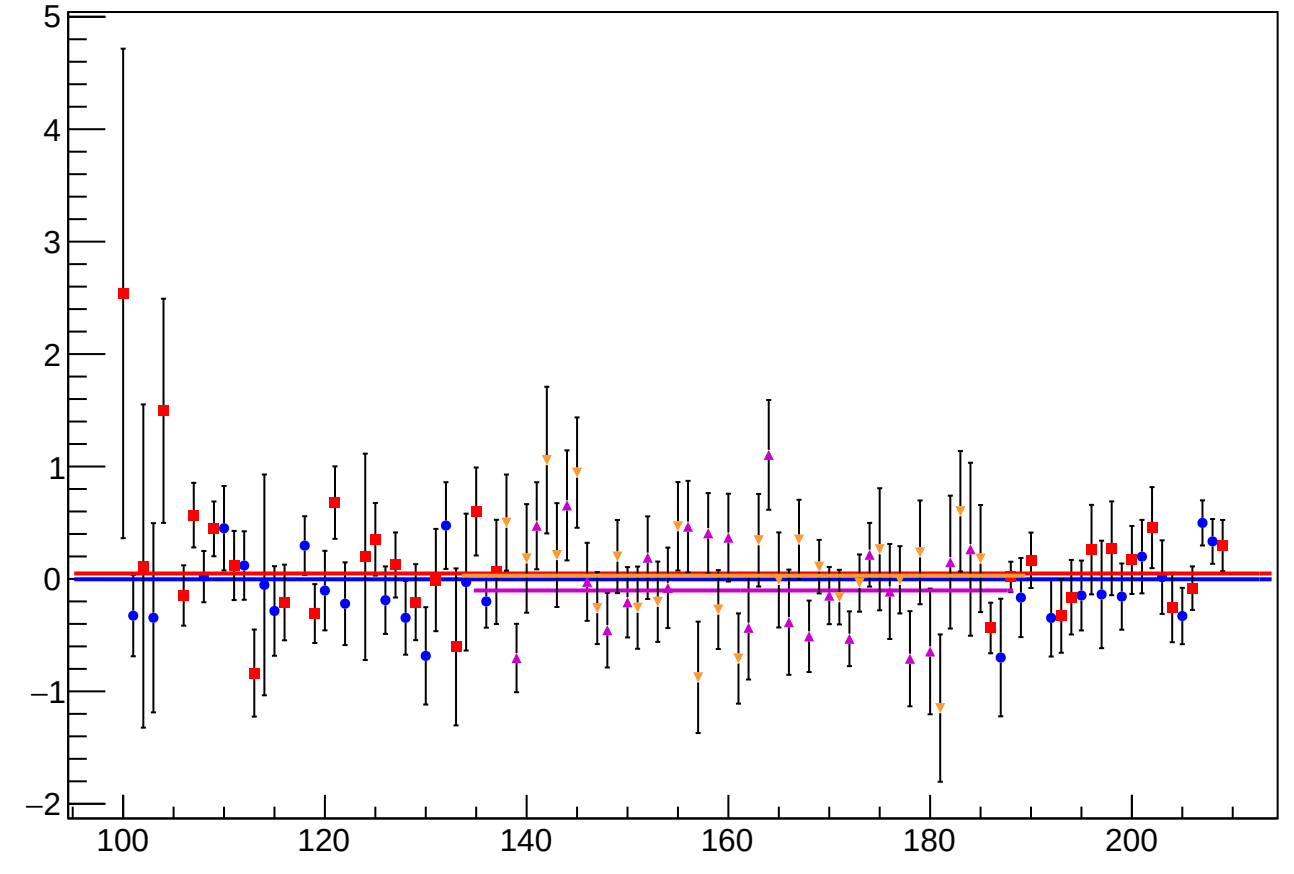
Left: 310.653+/-0.038 χ^2/NDF: 3963519.7/47

Right: 212.958+/-0.029 χ^2/NDF: 6746268.9/57

In: 260.629+/-0.034 χ^2/NDF:5211330.4/49

Out: 238.618+/-0.031 χ^2/NDF:9520278.5/55

All: 248.704+/-0.023 χ^2/NDF: 14962584.6/10



Right In: -0.003+/-0.061 χ^2/NDF: 25.8/26

Left Out: 0.029+/-0.075 χ^2/NDF:25.3/24

Right Out: 0.048+/-0.054 χ^2/NDF: 37.1/30

Left In: -0.103+/-0.076 χ^2/NDF:32.3/22

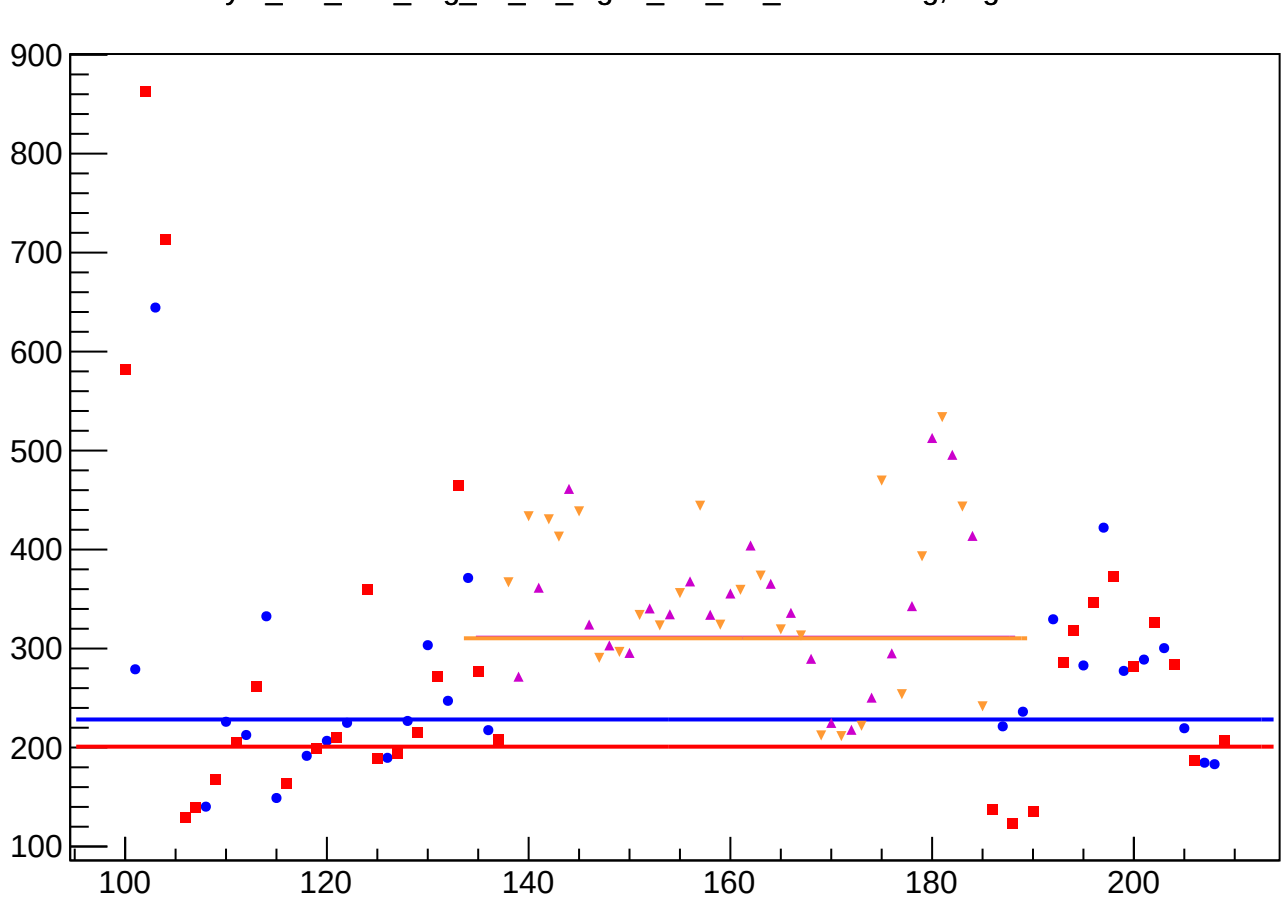
Left: -0.036+/-0.053 χ^2/NDF: 59.1/47

Right: 0.026+/-0.041 χ^2/NDF: 63.3/57

In: -0.042+/-0.048 χ^2/NDF:59.1/49

Out: 0.042+/-0.044 χ^2/NDF:62.5/55

All: 0.003+/-0.032 χ^2/NDF: 123.3/105



Right In: 228.333+/-0.043 χ^2/NDF: 2180516.2/26

Left Out: 310.359+/-0.053 χ^2/NDF:2363086.4/24

Right Out: 200.868+/-0.038 χ^2/NDF: 4339386.3/30

Left In: 310.960+/-0.054 χ^2/NDF:1600370.0/22

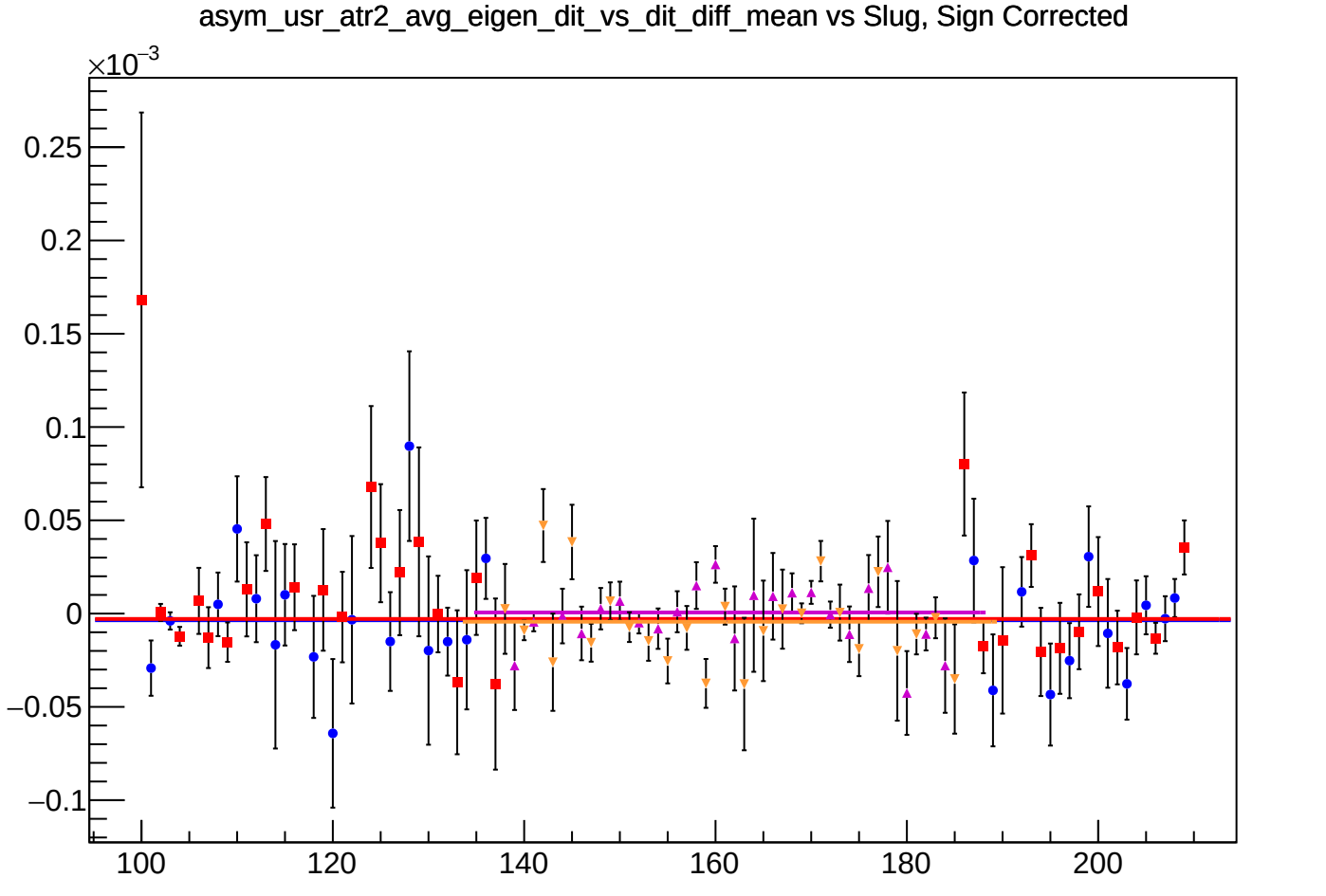
Left: 310.653+/-0.038 χ^2/NDF: 3963519.7/47

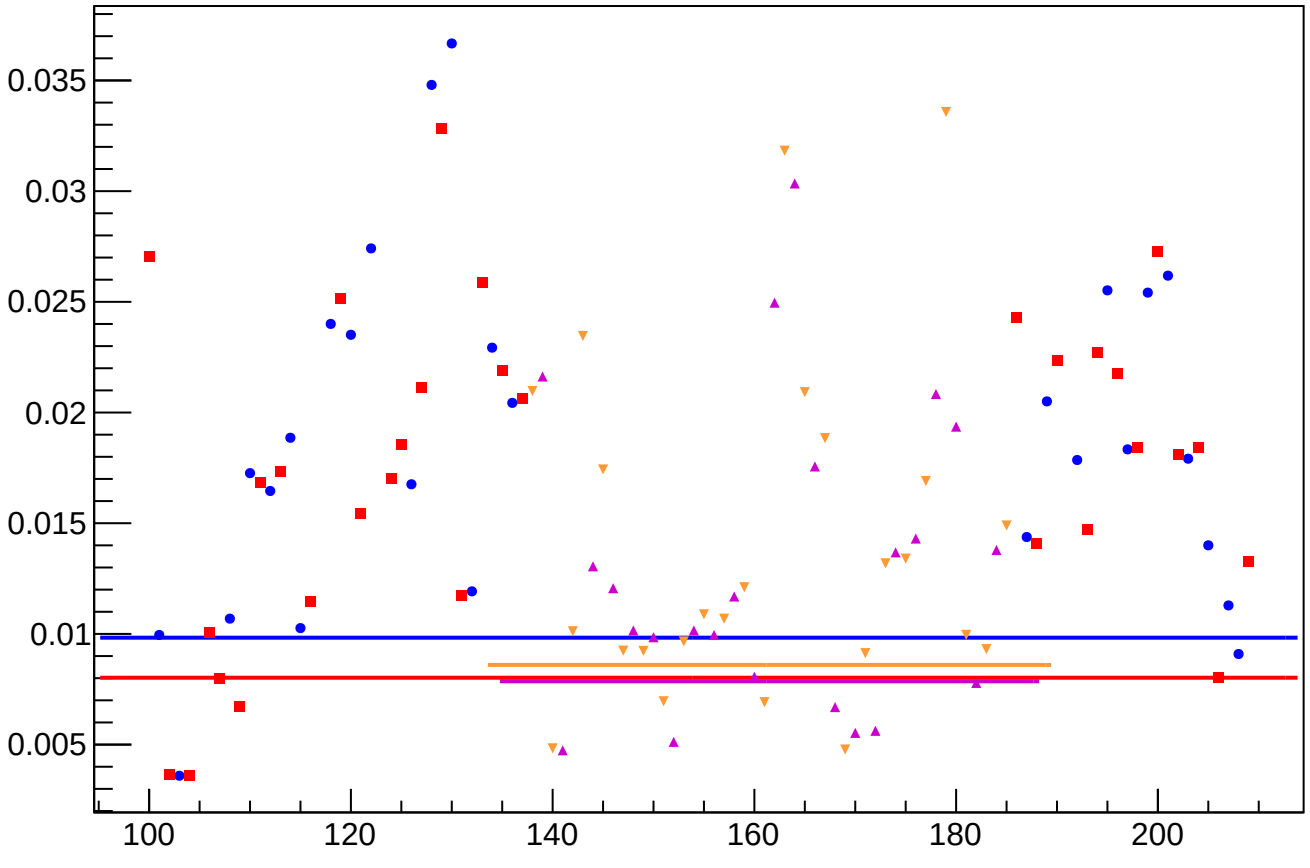
Right: 212.958+/-0.029 χ^2/NDF: 6746268.9/57

In: 260.629+/-0.034 χ^2/NDF:5211330.4/49

Out: 238.618+/-0.031 χ^2/NDF:9520278.5/55

All: 248.704+/-0.023 χ^2/NDF: 14962584.6/10


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
Right In: -0.000+/-0.000 χ²/NDF: 28.9/26
Left Out: -0.000+/-0.000 χ²/NDF:42.3/24
Right Out: -0.000+/-0.000 χ²/NDF: 42.0/30
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: 70.9/57
In: -0.000+/-0.000 χ²/NDF:56.6/49
Out: -0.000+/-0.000 χ²/NDF:84.5/55
All: -0.000+/-0.000 χ²/NDF: 142.6/105



Right In: 0.010+/-0.000 χ^2/NDF: 10363548.7/26

Left Out: 0.009+/-0.000 χ^2/NDF:7653564.7/24

Right Out: 0.008+/-0.000 χ^2/NDF: 12390123.7/30

Left In: 0.008+/-0.000 χ^2/NDF:6779815.5/22

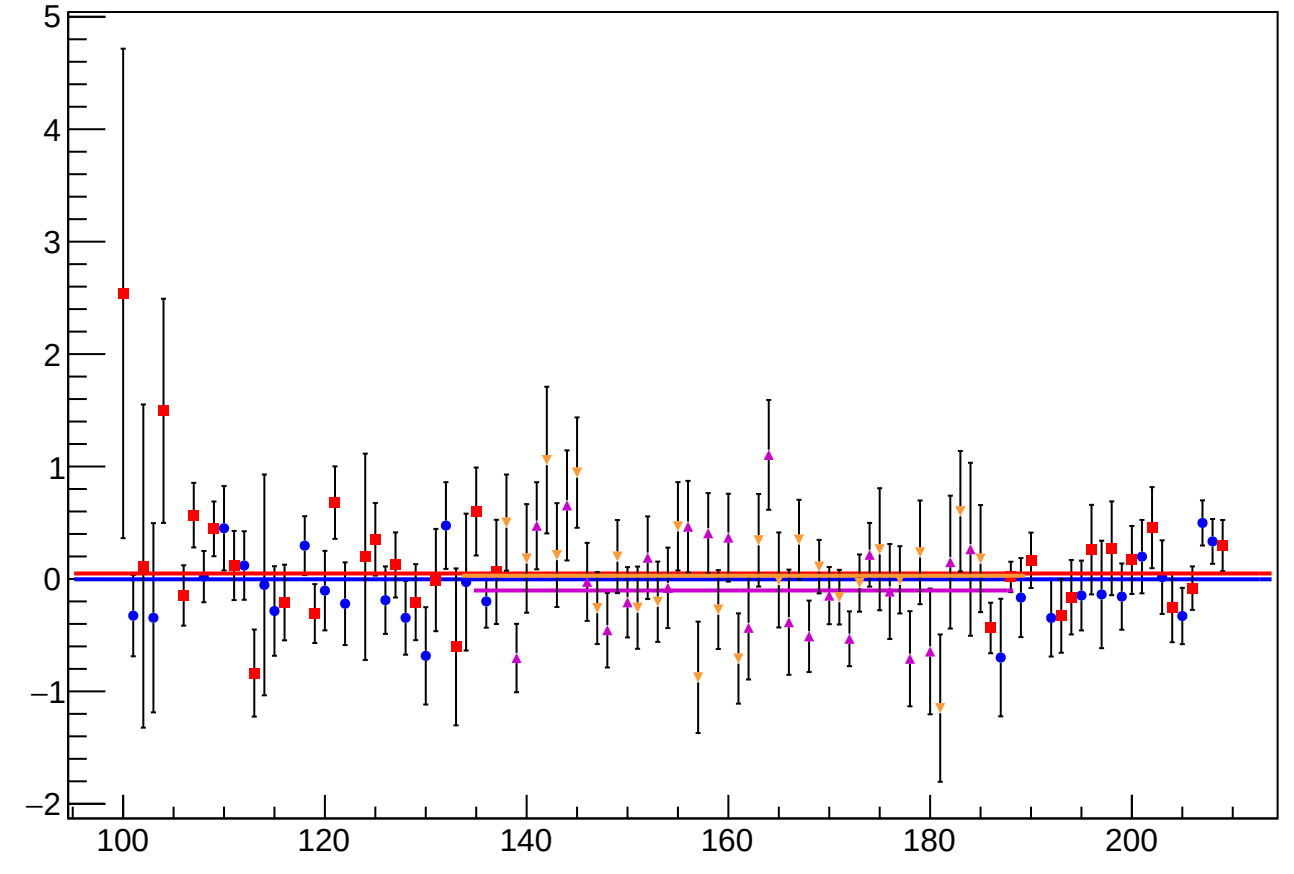
Left: 0.008+/-0.000 χ^2/NDF: 14546579.4/47

Right: 0.009+/-0.000 χ^2/NDF: 23166796.4/57

In: 0.008+/-0.000 χ^2/NDF:17689723.7/49

Out: 0.008+/-0.000 χ^2/NDF:20102881.8/55

All: 0.008+/-0.000 χ^2/NDF: 37801117.0/105



Right In: -0.003+/-0.061 χ^2/NDF: 25.8/26

Left Out: 0.029+/-0.075 χ^2/NDF:25.3/24

Right Out: 0.048+/-0.054 χ^2/NDF: 37.1/30

Left In: -0.103+/-0.076 χ^2/NDF:32.3/22

Left: -0.036+/-0.053 χ^2/NDF: 59.1/47

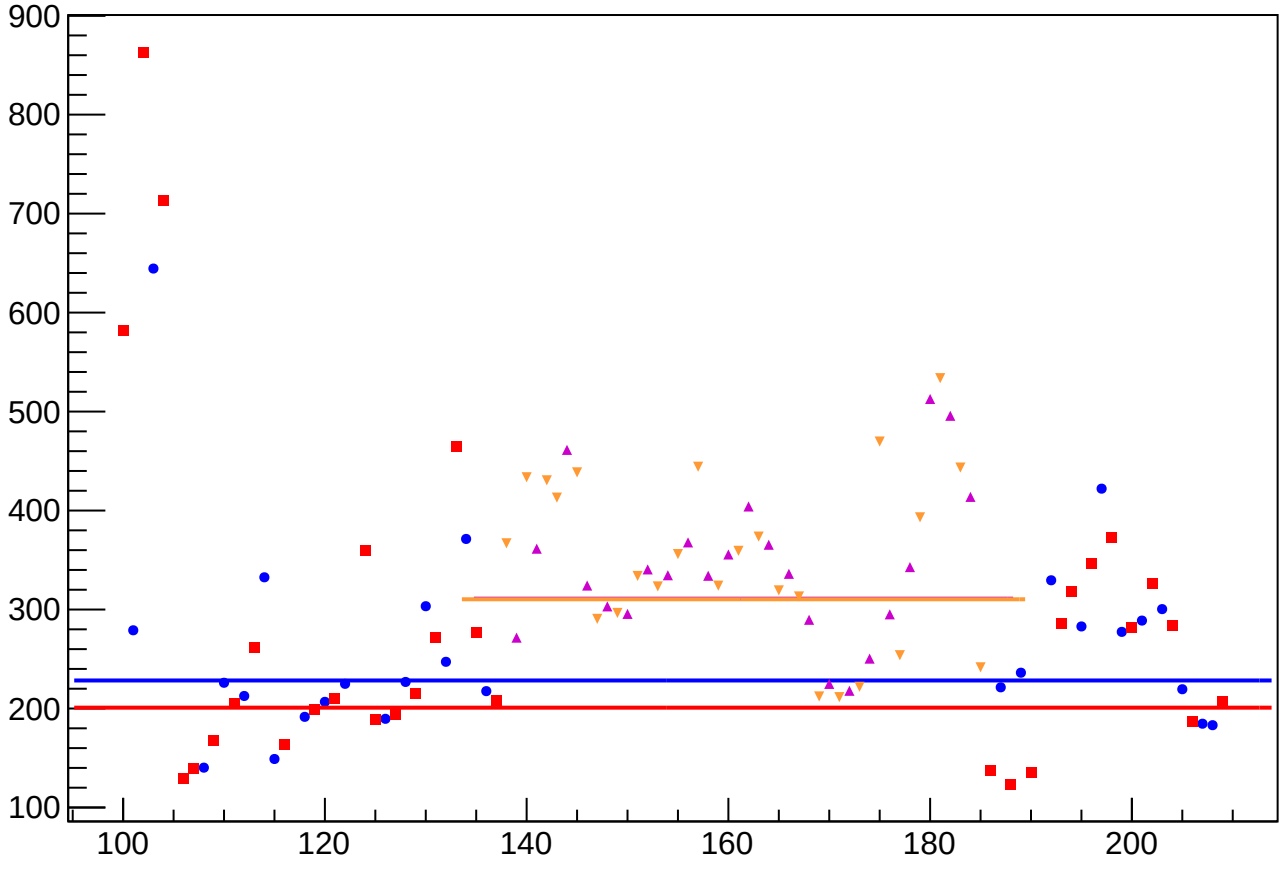
Right: 0.026+/-0.041 χ^2/NDF: 63.3/57

In: -0.042+/-0.048 χ^2/NDF:59.1/49

Out: 0.042+/-0.044 χ^2/NDF:62.5/55

All: 0.003+/-0.032 χ^2/NDF: 123.3/105

asym_usr_atr2_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 228.333+/-0.043 χ^2/NDF: 2180507.9/26

Left Out: 310.362+/-0.053 χ^2/NDF:2363148.8/24

Right Out: 200.866+/-0.038 χ^2/NDF: 4339551.3/30

Left In: 310.963+/-0.054 χ^2/NDF:1600401.1/22

Left: 310.656+/-0.038 χ^2/NDF: 3963613.3/47

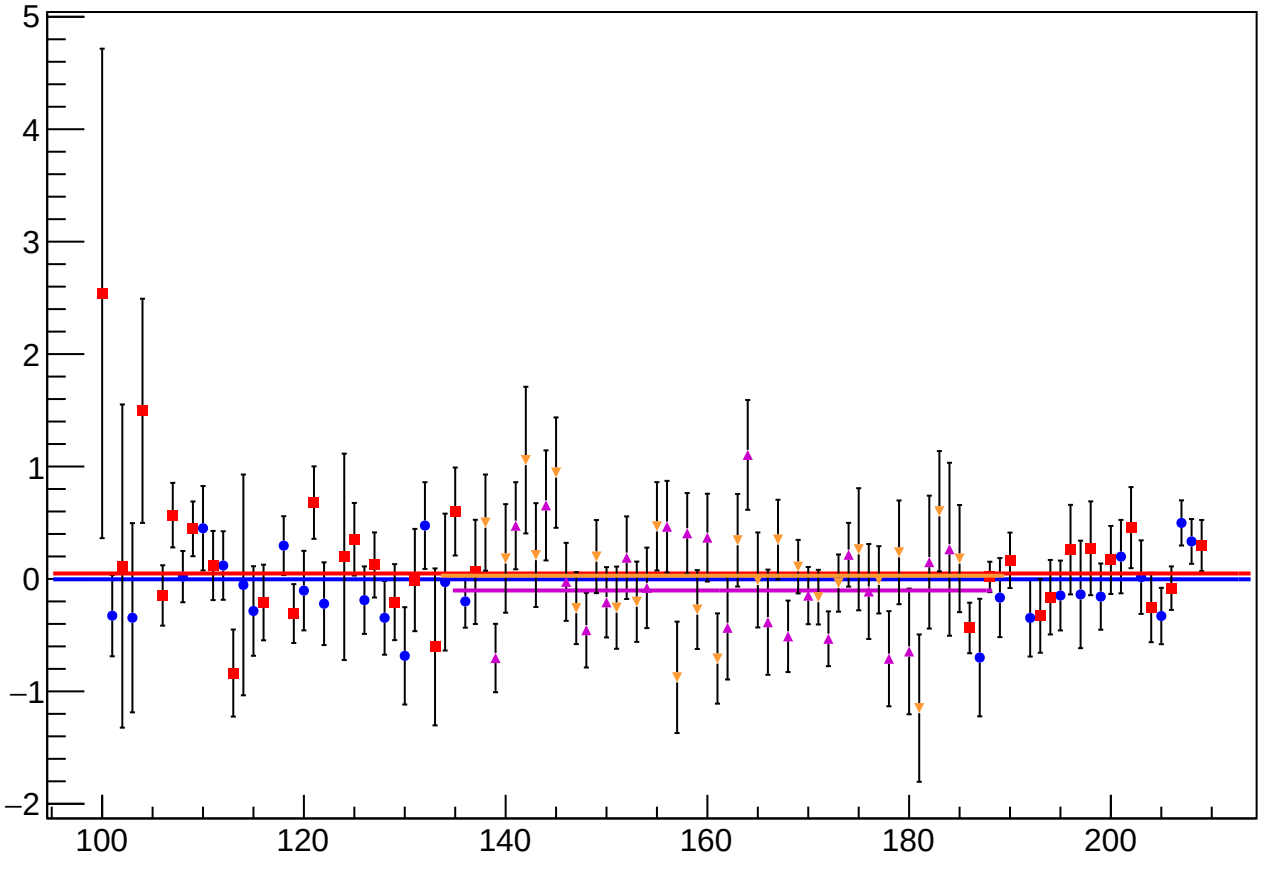
Right: 212.957+/-0.029 χ^2/NDF: 6746456.9/57

In: 260.629+/-0.034 χ^2/NDF:5211469.2/49

Out: 238.617+/-0.031 χ^2/NDF:9520761.3/55

All: 248.704+/-0.023 χ^2/NDF: 14963243.2/10

asym_usr_atr2_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.003+/-0.061 χ^2/NDF: 25.8/26

Left Out: 0.029+/-0.075 χ^2/NDF:25.3/24

Right Out: 0.048+/-0.054 χ^2/NDF: 37.1/30

Left In: -0.103+/-0.076 χ^2/NDF:32.3/22

Left: -0.036+/-0.053 χ^2/NDF: 59.1/47

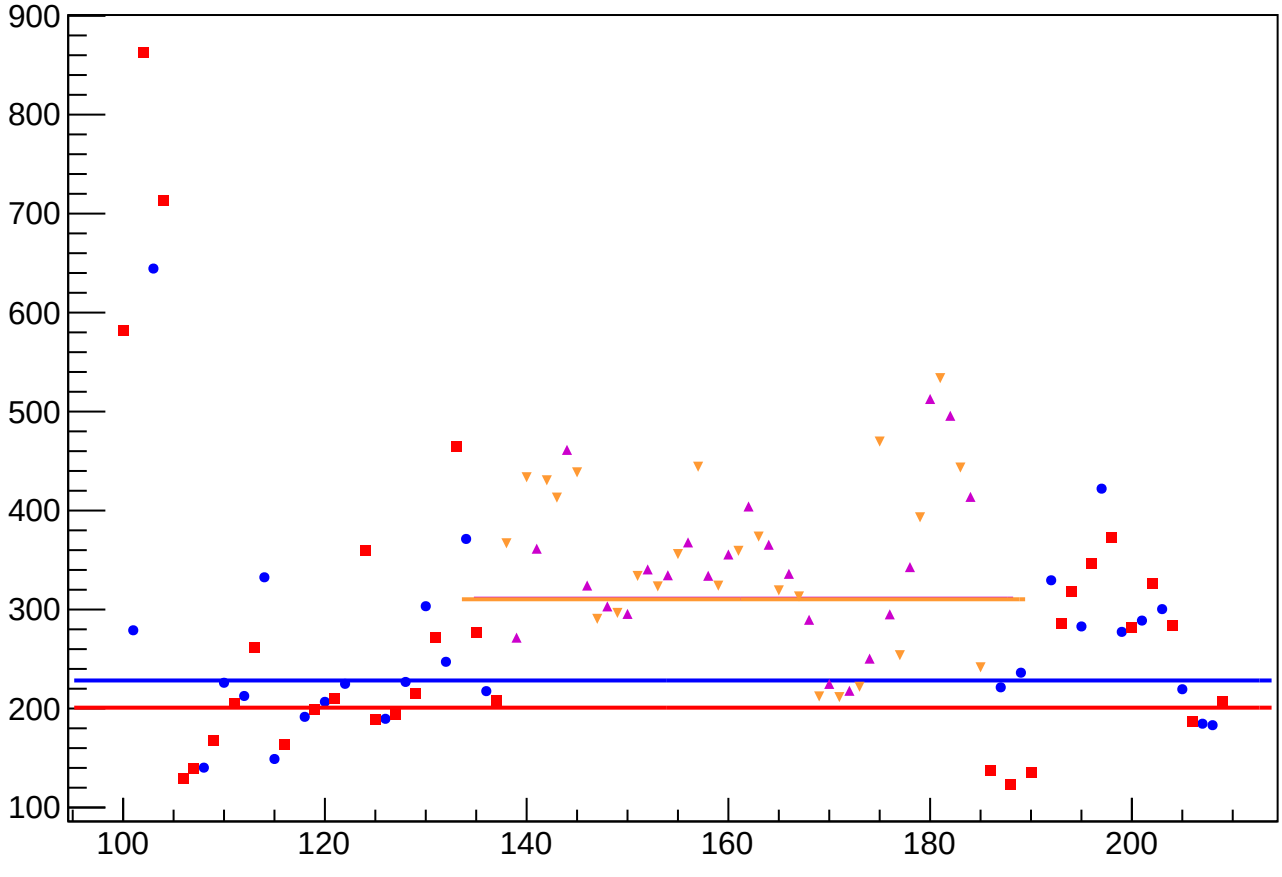
Right: 0.026+/-0.041 χ^2/NDF: 63.3/57

In: -0.042+/-0.048 χ^2/NDF:59.1/49

Out: 0.042+/-0.044 χ^2/NDF:62.5/55

All: 0.003+/-0.032 χ^2/NDF: 123.3/105

asym_usr_atr2_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 228.333+/-0.043 χ^2/NDF: 2180507.9/26

Left Out: 310.362+/-0.053 χ^2/NDF:2363148.8/24

Right Out: 200.866+/-0.038 χ^2/NDF: 4339551.3/30

Left In: 310.963+/-0.054 χ^2/NDF:1600401.1/22

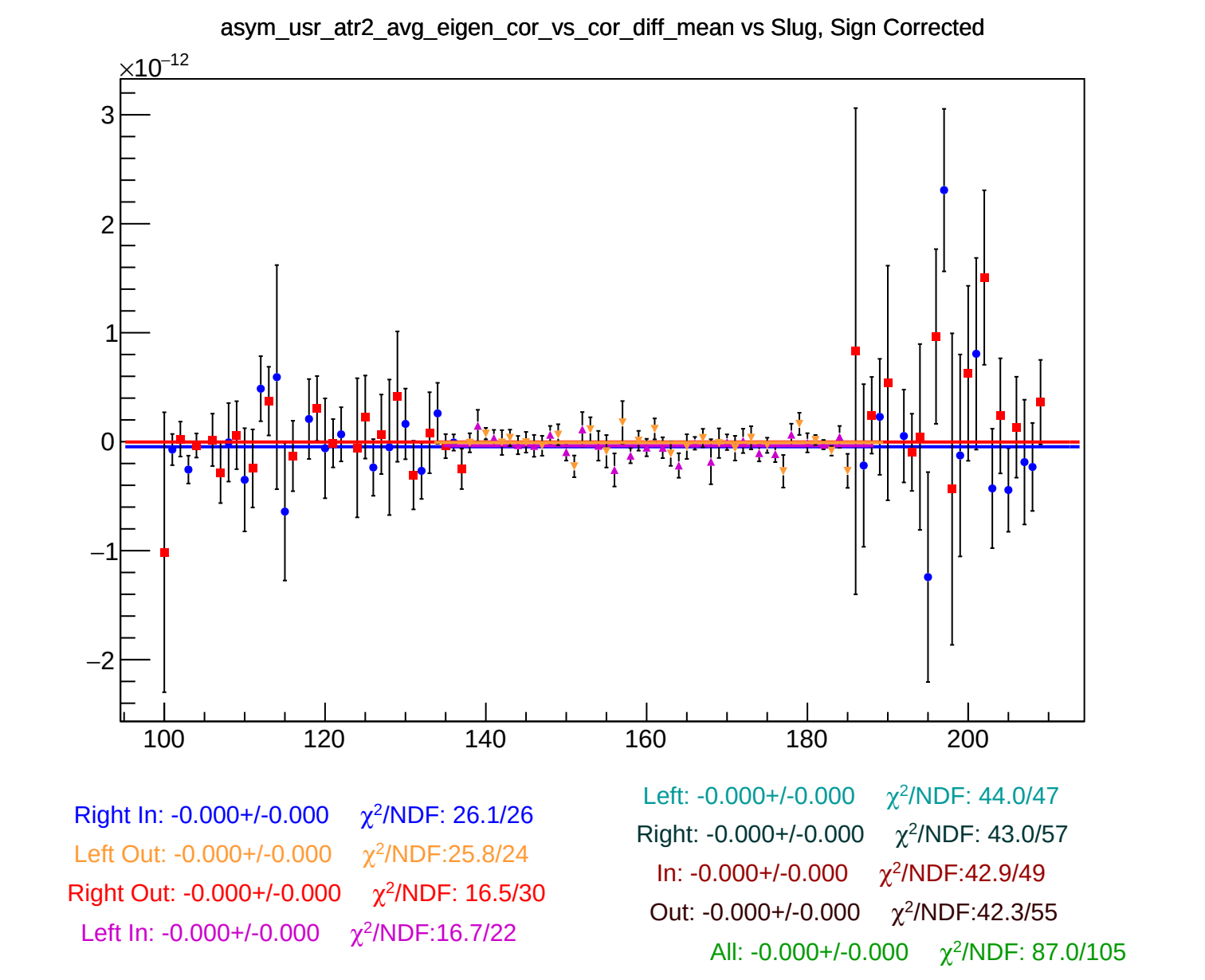
Left: 310.656+/-0.038 χ^2/NDF: 3963613.3/47

Right: 212.957+/-0.029 χ^2/NDF: 6746456.9/57

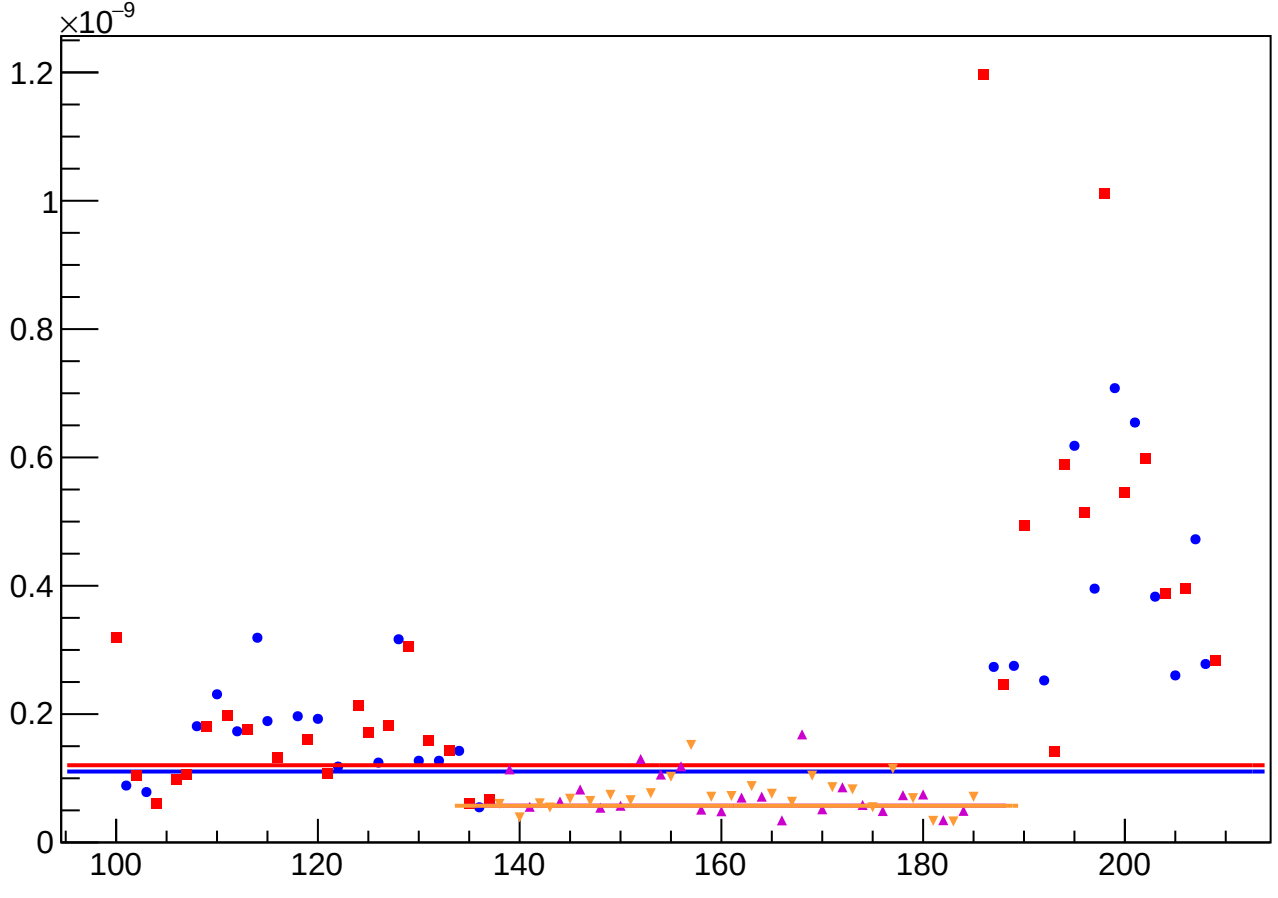
In: 260.629+/-0.034 χ^2/NDF:5211469.2/49

Out: 238.617+/-0.031 χ^2/NDF:9520761.3/55

All: 248.704+/-0.023 χ^2/NDF: 14963243.2/10


asym_usr_atr2_avg_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
3
2
1
0
−1
−2
100
120
140
160
180
200
Right In: -0.000+/-0.000 χ²/NDF: 26.1/26
Left Out: -0.000+/-0.000 χ²/NDF:25.8/24
Right Out: -0.000+/-0.000 χ²/NDF: 16.5/30
Left In: -0.000+/-0.000 χ²/NDF:16.7/22
Left: -0.000+/-0.000 χ²/NDF: 44.0/47
Right: -0.000+/-0.000 χ²/NDF: 43.0/57
In: -0.000+/-0.000 χ²/NDF:42.9/49
Out: -0.000+/-0.000 χ²/NDF:42.3/55
All: -0.000+/-0.000 χ²/NDF: 87.0/105

asym_usr_atr2_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 7039980.7/26

Left Out: 0.000+/-0.000 χ^2/NDF:3337849.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 7746126.2/30

Left In: 0.000+/-0.000 χ^2/NDF:3299416.7/22

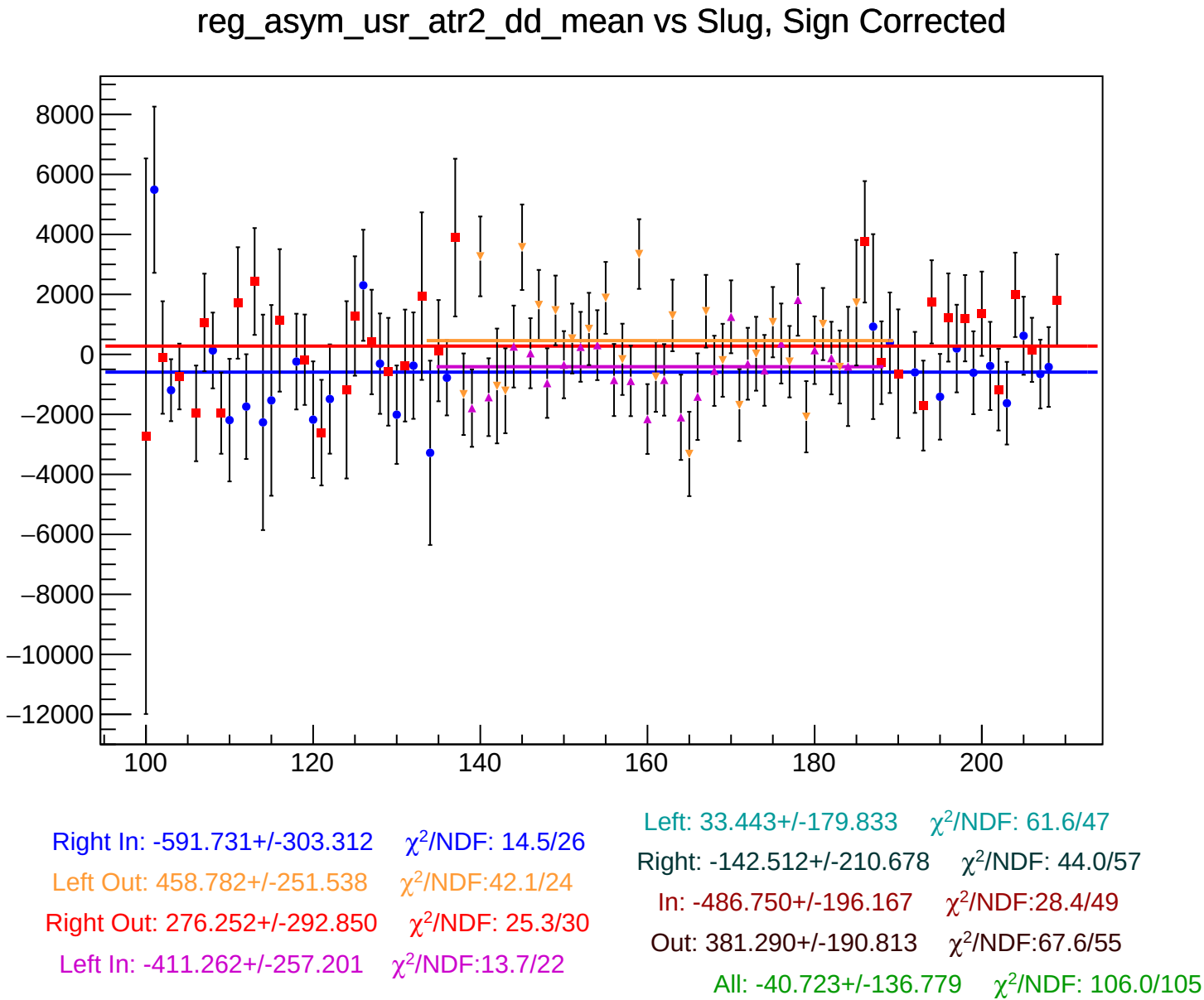
Left: 0.000+/-0.000 χ^2/NDF: 6637359.5/47

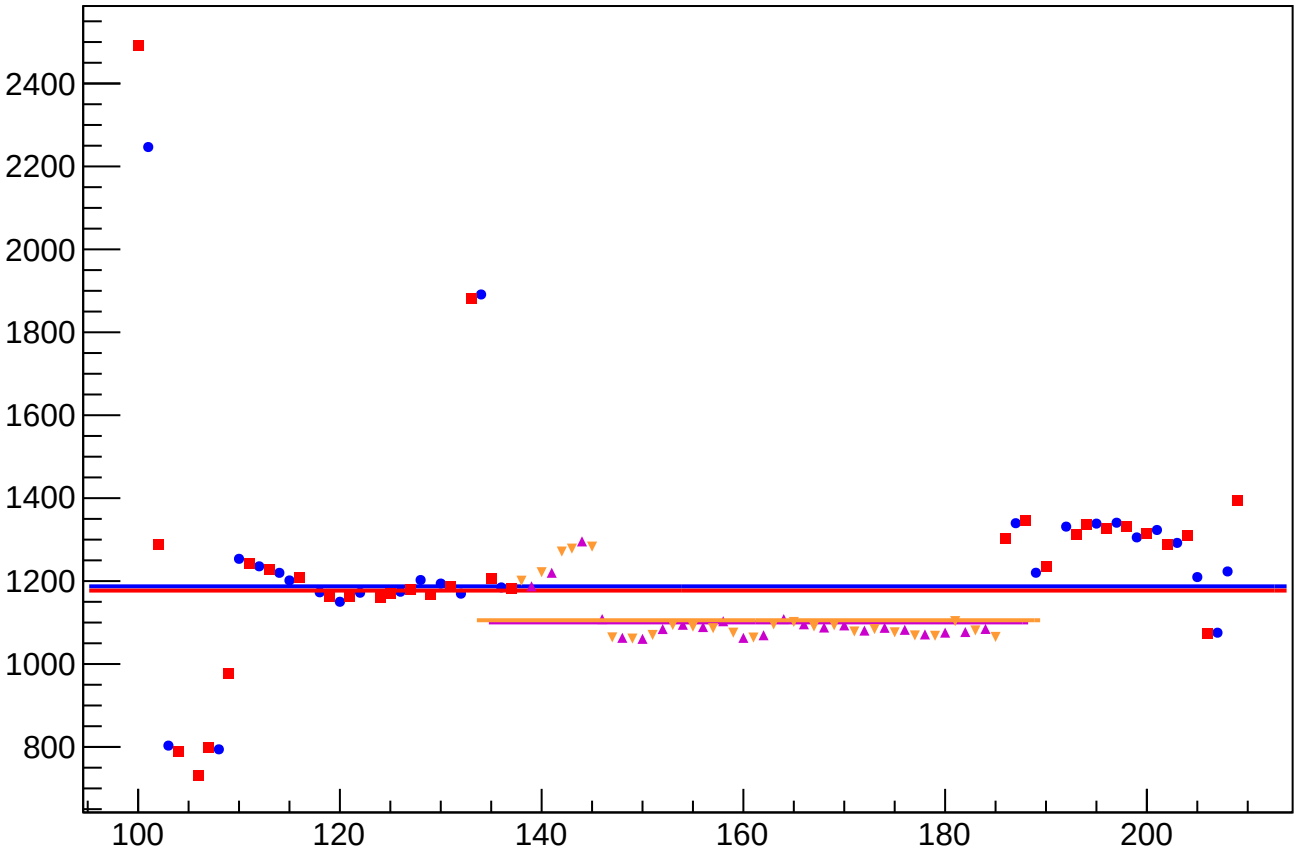
Right: 0.000+/-0.000 χ^2/NDF: 14826646.9/57

In: 0.000+/-0.000 χ^2/NDF:12514091.1/49

Out: 0.000+/-0.000 χ^2/NDF:13987223.3/55

All: 0.000+/-0.000 χ^2/NDF: 26501619.7/105


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
Right In: -591.731+/-303.312 χ²/NDF: 14.5/26
Left Out: 458.782+/-251.538 χ²/NDF:42.1/24
Right Out: 276.252+/-292.850 χ²/NDF: 25.3/30
Left In: -411.262+/-257.201 χ²/NDF:13.7/22
Left: 33.443+/-179.833 χ²/NDF: 61.6/47
Right: -142.512+/-210.678 χ²/NDF: 44.0/57
In: -486.750+/-196.167 χ²/NDF:28.4/49
Out: 381.290+/-190.813 χ²/NDF:67.6/55
All: -40.723+/-136.779 χ²/NDF: 106.0/105



Right In: 1187.290+/-0.214 χ^2/NDF: 1010063.4/26

Left Out: 1105.549+/-0.178 χ^2/NDF:121950.0/24

Right Out: 1177.129+/-0.206 χ^2/NDF: 1011661.9/30

Left In: 1100.350+/-0.182 χ^2/NDF:80240.5/22

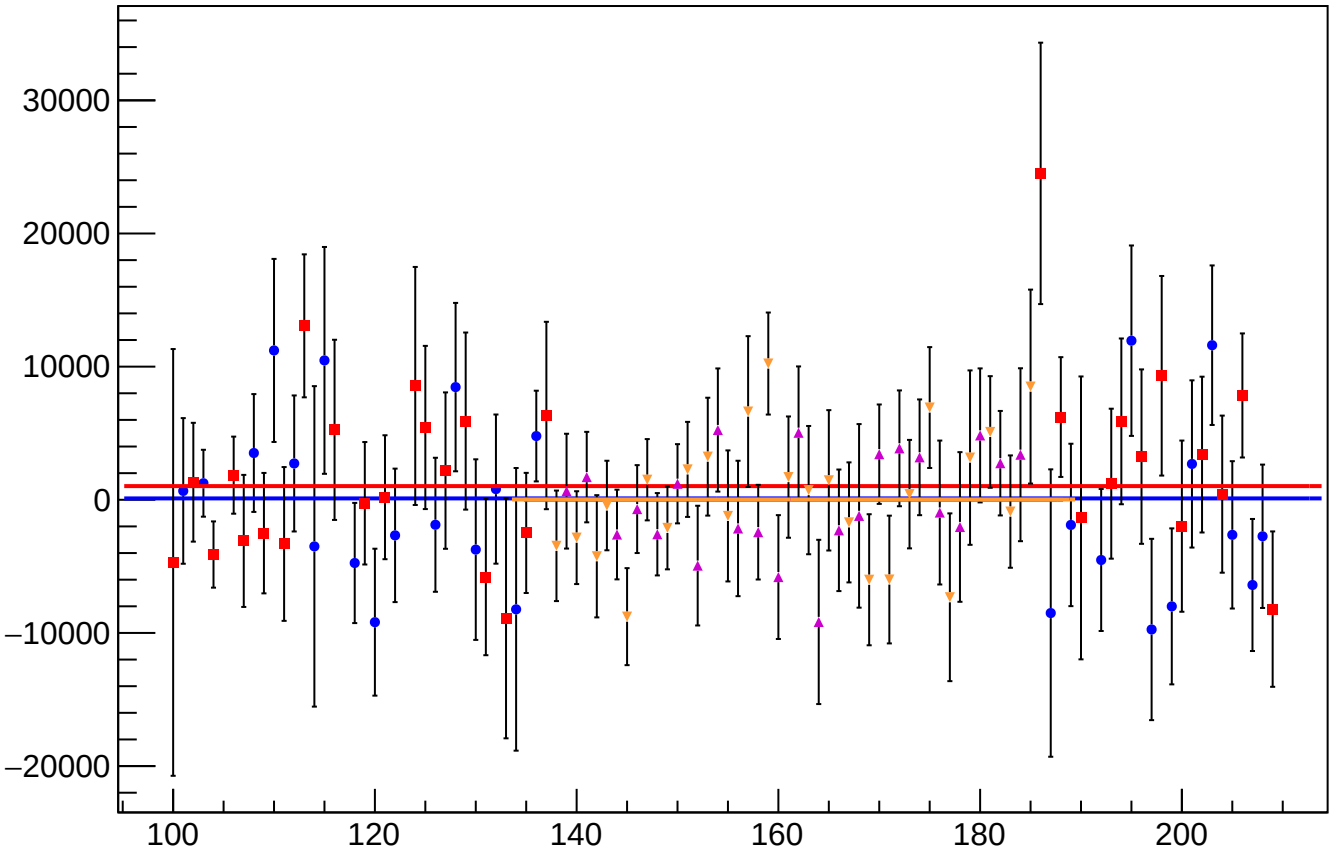
Left: 1103.007+/-0.127 χ^2/NDF: 202608.2/47

Right: 1182.010+/-0.149 χ^2/NDF: 2022891.6/57

In: 1136.716+/-0.139 χ^2/NDF:1185891.1/49

Out: 1136.086+/-0.135 χ^2/NDF:1202706.0/55

All: 1136.392+/-0.097 χ^2/NDF: 2388607.7/10



Right In: 103.371+/-1020.634 χ^2/NDF: 28.7/26

Left Out: 23.368+/-850.404 χ^2/NDF:28.5/24

Right Out: 1027.593+/-940.458 χ^2/NDF: 31.5/30

Left In: 6.317+/-875.256 χ^2/NDF:14.0/22

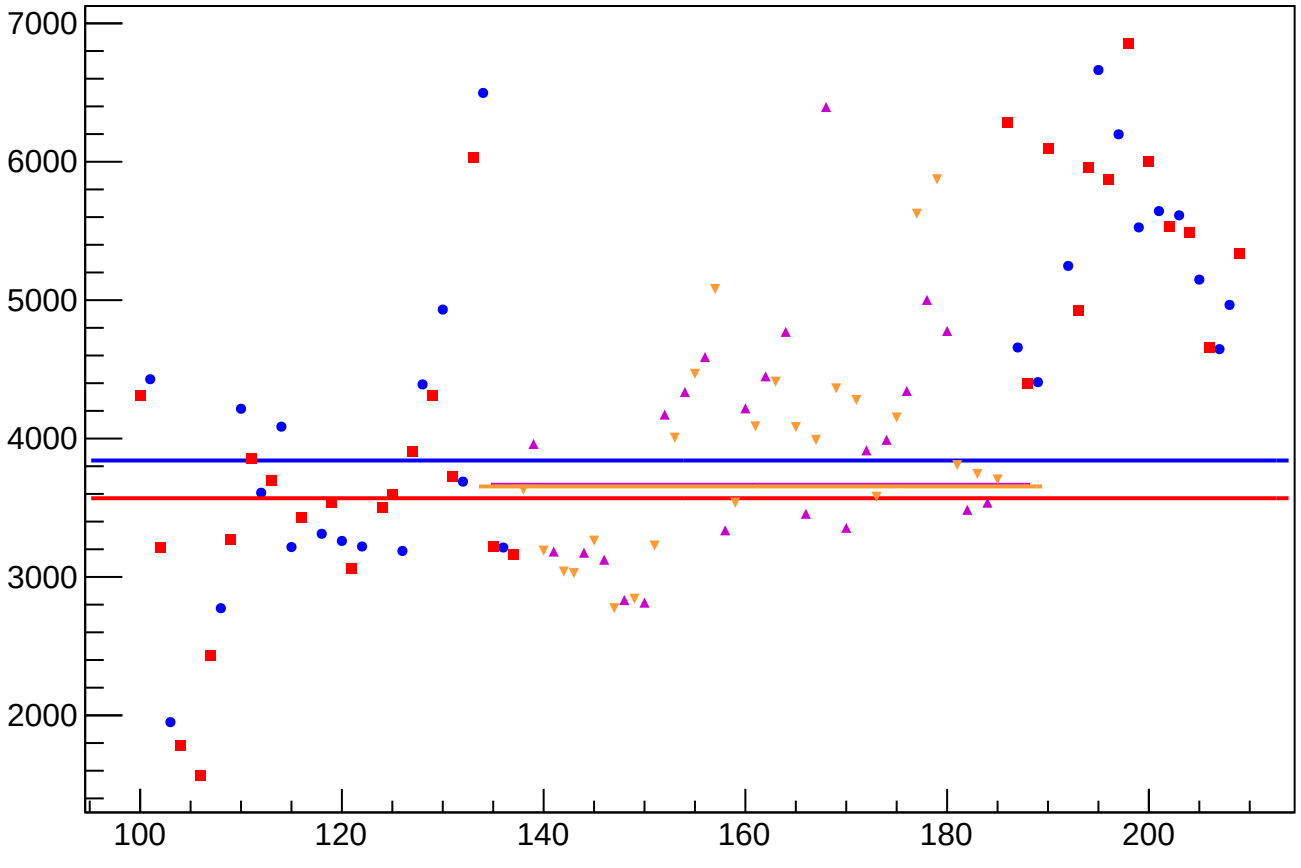
Left: 15.088+/-609.923 χ^2/NDF: 42.5/47

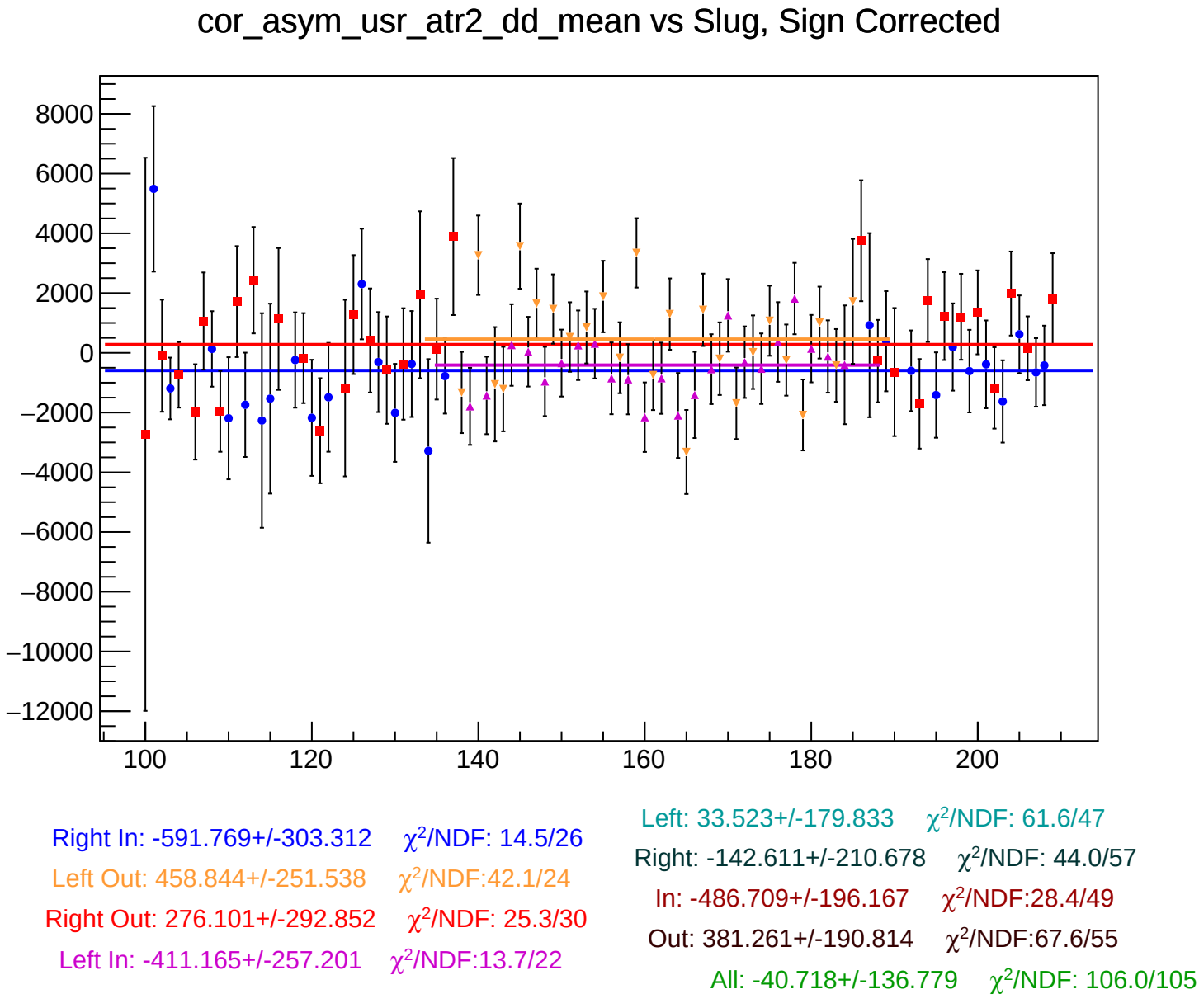
Right: 603.204+/-691.614 χ^2/NDF: 60.6/57

In: 47.445+/-664.407 χ^2/NDF:42.7/49

Out: 475.110+/-630.767 χ^2/NDF:60.6/55

All: 272.378+/-457.450 χ^2/NDF: 103.5/105


asym_usr_atr2_dd_reg_correction_rms vs Slug, Sign Corrected
7000
6000
5000
4000
3000
2000
100
120
140
160
180
200
Right In: 3841.453+/-0.722 χ²/NDF: 3144407.0/26
Left Out: 3654.198+/-0.601 χ²/NDF:1311761.6/24
Right Out: 3568.796+/-0.665 χ²/NDF: 4744646.5/30
Left In: 3666.118+/-0.619 χ²/NDF:1343709.3/22
Left: 3659.986+/-0.431 χ²/NDF: 2655661.7/47
Right: 3693.996+/-0.489 χ²/NDF: 7966245.6/57
In: 3740.419+/-0.470 χ²/NDF:4522127.8/49
Out: 3615.780+/-0.446 χ²/NDF:6065481.6/55
All: 3674.865+/-0.323 χ²/NDF: 10624627.8/


cor_asym_usr_atr2_dd_mean vs Slug, Sign Corrected
8000
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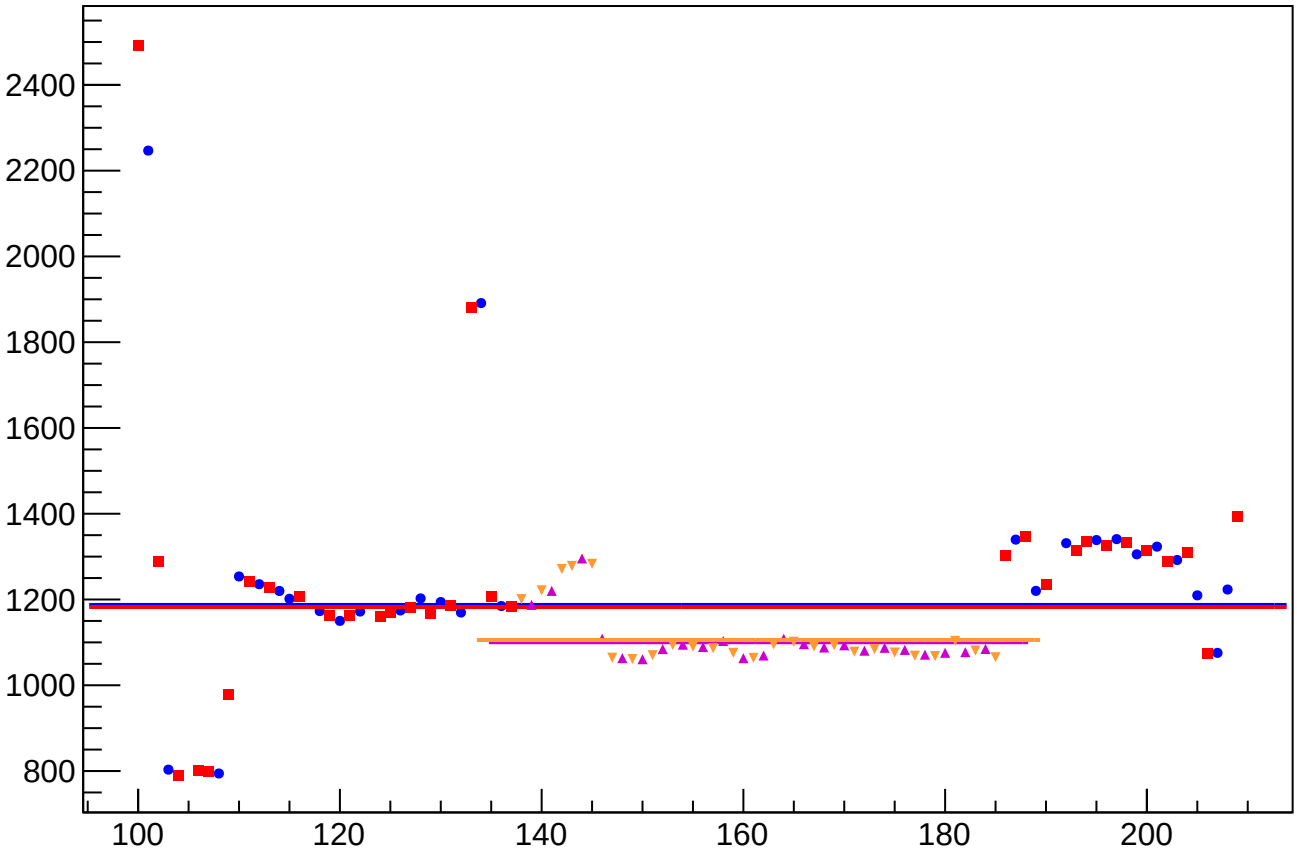
4000
2000
0
−2000
−4000
−6000
−8000
−10000
−12000
100
120
140
160
180
200
Right In: -591.769+/-303.312 χ²/NDF: 14.5/26
Left Out: 458.844+/-251.538 χ²/NDF:42.1/24
Right Out: 276.101+/-292.852 χ²/NDF: 25.3/30
Left In: -411.165+/-257.201 χ²/NDF:13.7/22
Left: 33.523+/-179.833 χ²/NDF: 61.6/47
Right: -142.611+/-210.678 χ²/NDF: 44.0/57
In: -486.709+/-196.167 χ²/NDF:28.4/49
Out: 381.261+/-190.814 χ²/NDF:67.6/55
All: -40.718+/-136.779 χ²/NDF: 106.0/105



Right In: 1187.290+/-0.214 χ^2/NDF: 1010058.9/26

Left Out: 1105.549+/-0.178 χ^2/NDF:121950.0/24

Right Out: 1182.508+/-0.207 χ^2/NDF: 933244.0/30

Left In: 1100.350+/-0.182 χ^2/NDF:80240.5/22

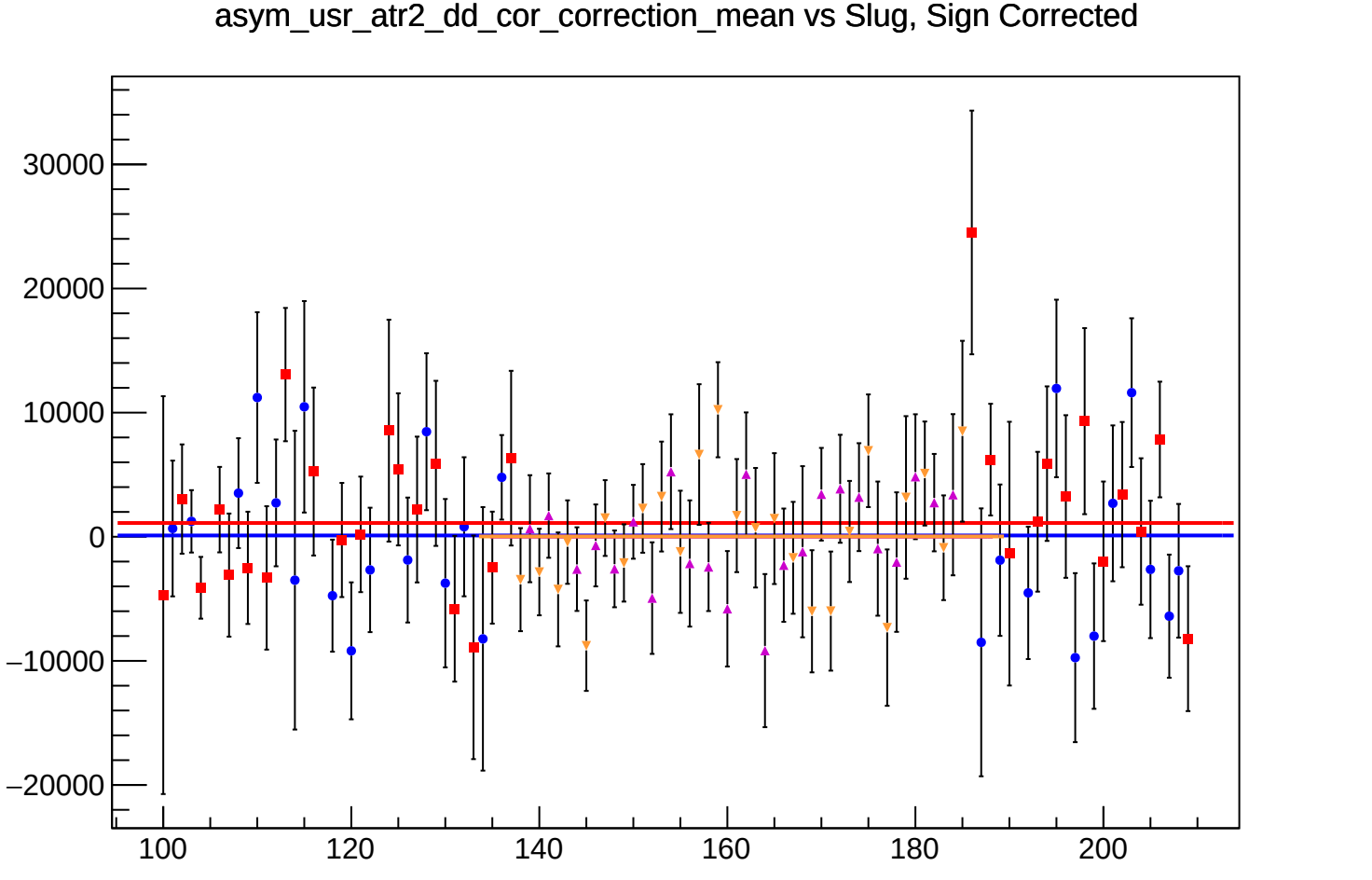
Left: 1103.007+/-0.127 χ^2/NDF: 202608.2/47

Right: 1184.813+/-0.149 χ^2/NDF: 1943560.5/57

In: 1136.716+/-0.139 χ^2/NDF:1185887.3/49

Out: 1138.258+/-0.135 χ^2/NDF:1134765.1/55

All: 1137.509+/-0.097 χ^2/NDF: 2320716.0/10


asym_usr_atr2_dd_cor_correction_mean vs Slug, Sign Corrected
30000
20000
10000
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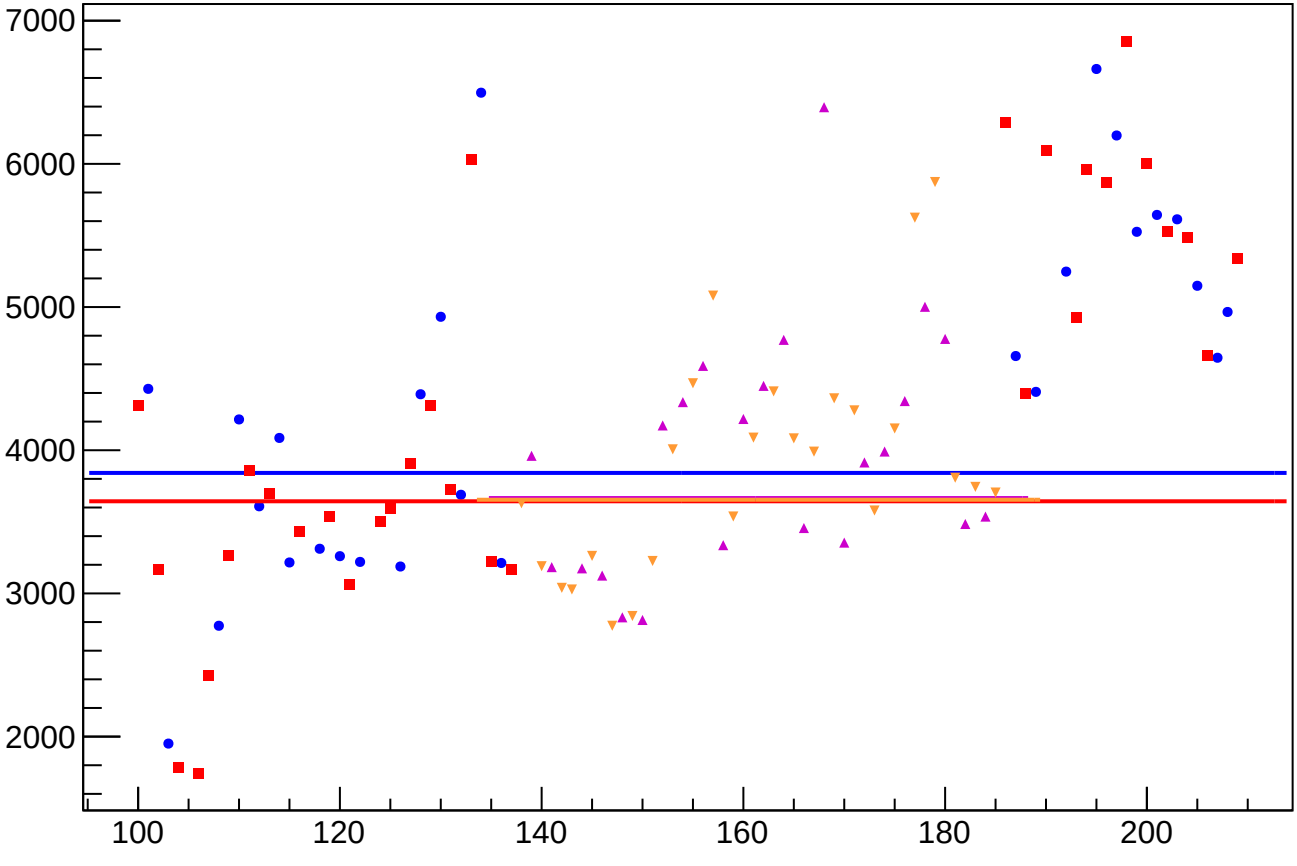
−10000
−20000
100
120
140
160
180
200
Right In: 102.939+/-1020.662 χ²/NDF: 28.7/26
Left Out: 23.365+/-850.403 χ²/NDF:28.5/24
Right Out: 1108.445+/-954.766 χ²/NDF: 31.7/30
Left In: 6.368+/-875.255 χ²/NDF:14.0/22
Left: 15.111+/-609.923 χ²/NDF: 42.5/47
Right: 639.196+/-697.254 χ²/NDF: 60.9/57
In: 47.290+/-664.414 χ²/NDF:42.7/49
Out: 503.382+/-635.030 χ²/NDF:60.9/55
All: 285.644+/-459.071 χ²/NDF: 103.9/105

asym_usr_atr2_dd_cor_correction_rms vs Slug, Sign Corrected



Right In: 3841.616+/-0.722 χ^2/NDF: 3143595.2/26

Left Out: 3654.195+/-0.601 χ^2/NDF:1311769.4/24

Right Out: 3643.463+/-0.675 χ^2/NDF: 4341311.6/30

Left In: 3666.114+/-0.619 χ^2/NDF:1343711.6/22

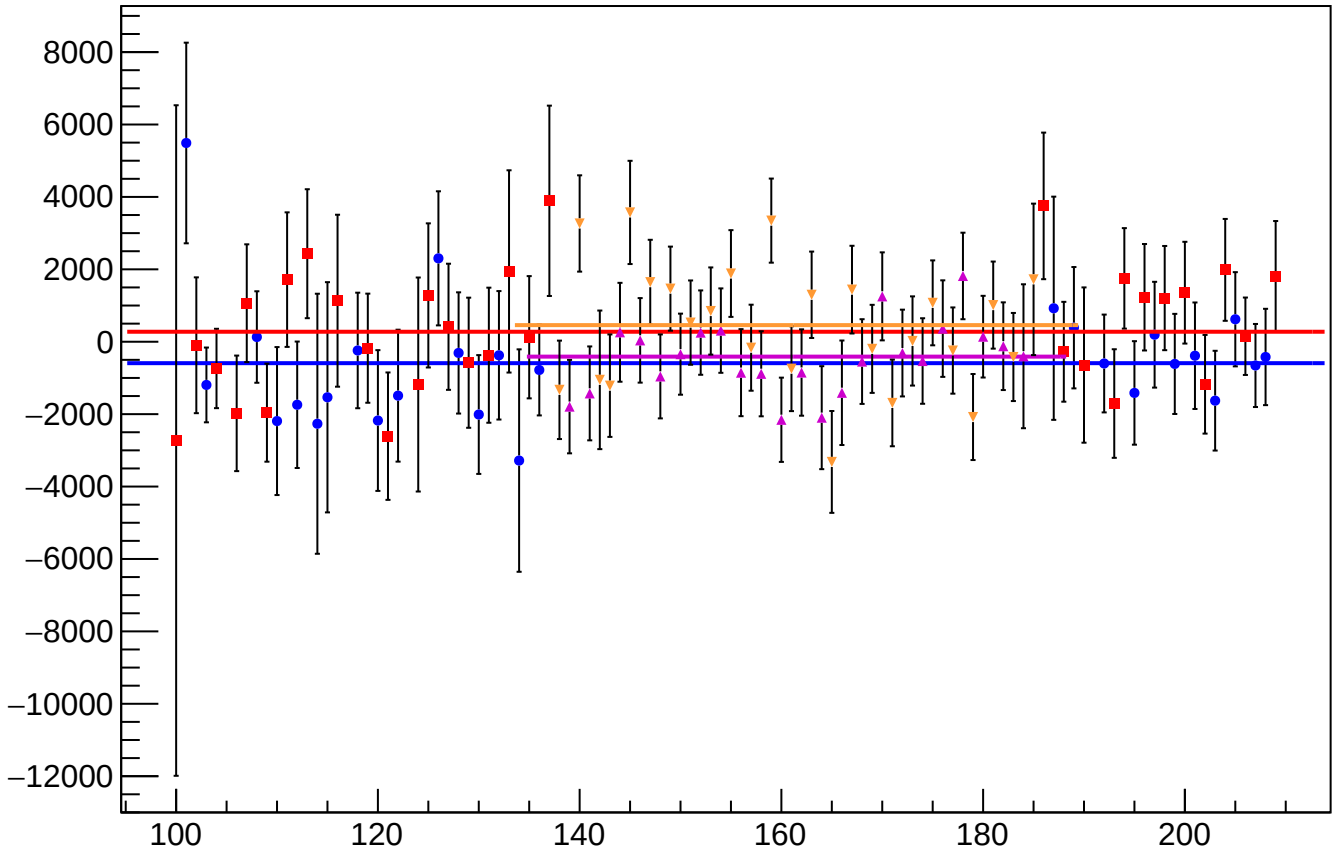
Left: 3659.983+/-0.431 χ^2/NDF: 2655671.8/47

Right: 3735.937+/-0.493 χ^2/NDF: 7525109.2/57

In: 3740.484+/-0.470 χ^2/NDF:4521381.7/49

Out: 3649.448+/-0.449 χ^2/NDF:5653221.9/55

All: 3692.908+/-0.325 χ^2/NDF: 10194225.9/1



Right In: -591.769+/-303.312 χ^2/NDF: 14.5/26

Left Out: 458.844+/-251.538 χ^2/NDF:42.1/24

Right Out: 276.101+/-292.852 χ^2/NDF: 25.3/30

Left In: -411.165+/-257.201 χ^2/NDF:13.7/22

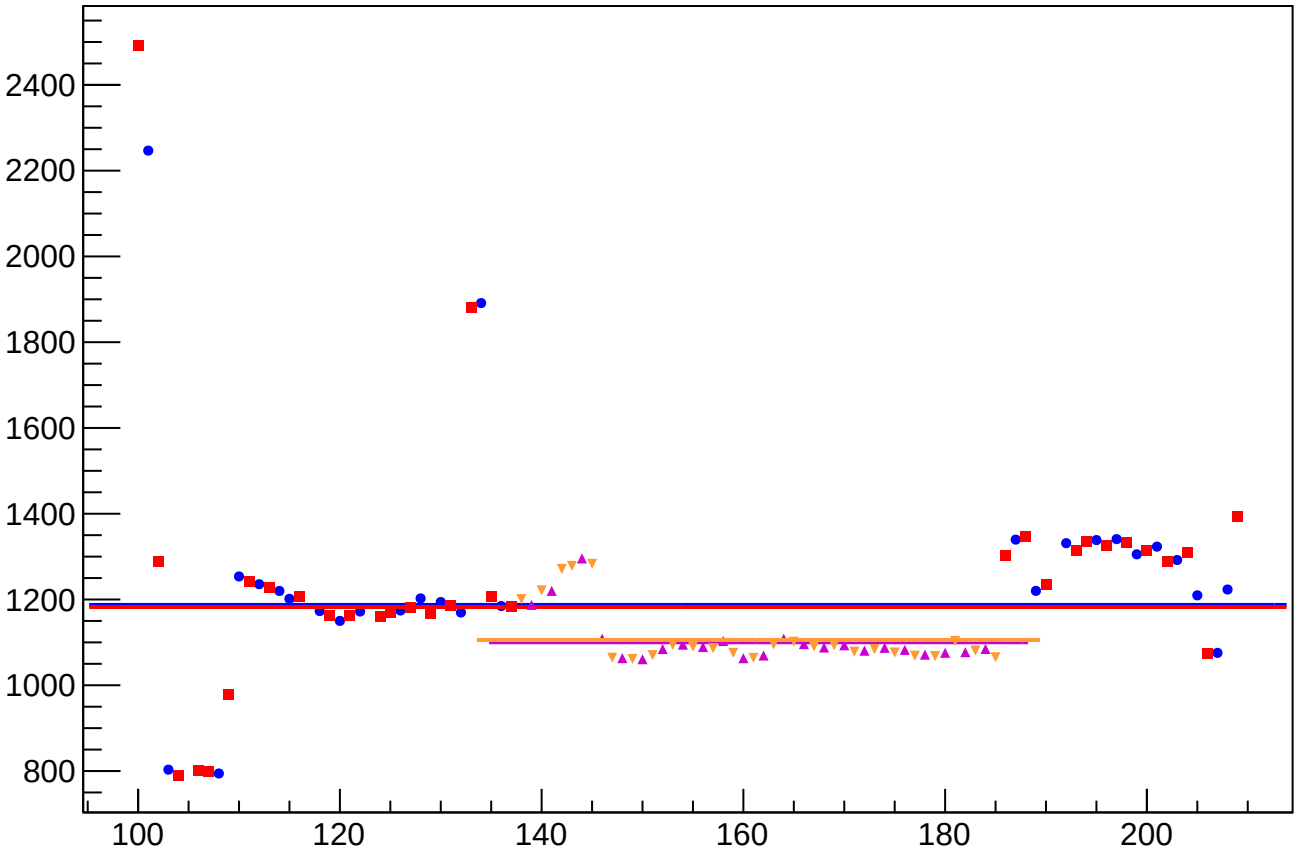
Left: 33.523+/-179.833 χ^2/NDF: 61.6/47

Right: -142.611+/-210.678 χ^2/NDF: 44.0/57

In: -486.709+/-196.167 χ^2/NDF:28.4/49

Out: 381.261+/-190.814 χ^2/NDF:67.6/55

All: -40.718+/-136.779 χ^2/NDF: 106.0/105



Right In: 1187.290+/-0.214 χ^2/NDF: 1010058.9/26

Left Out: 1105.549+/-0.178 χ^2/NDF:121950.0/24

Right Out: 1182.508+/-0.207 χ^2/NDF: 933244.0/30

Left In: 1100.350+/-0.182 χ^2/NDF:80240.5/22

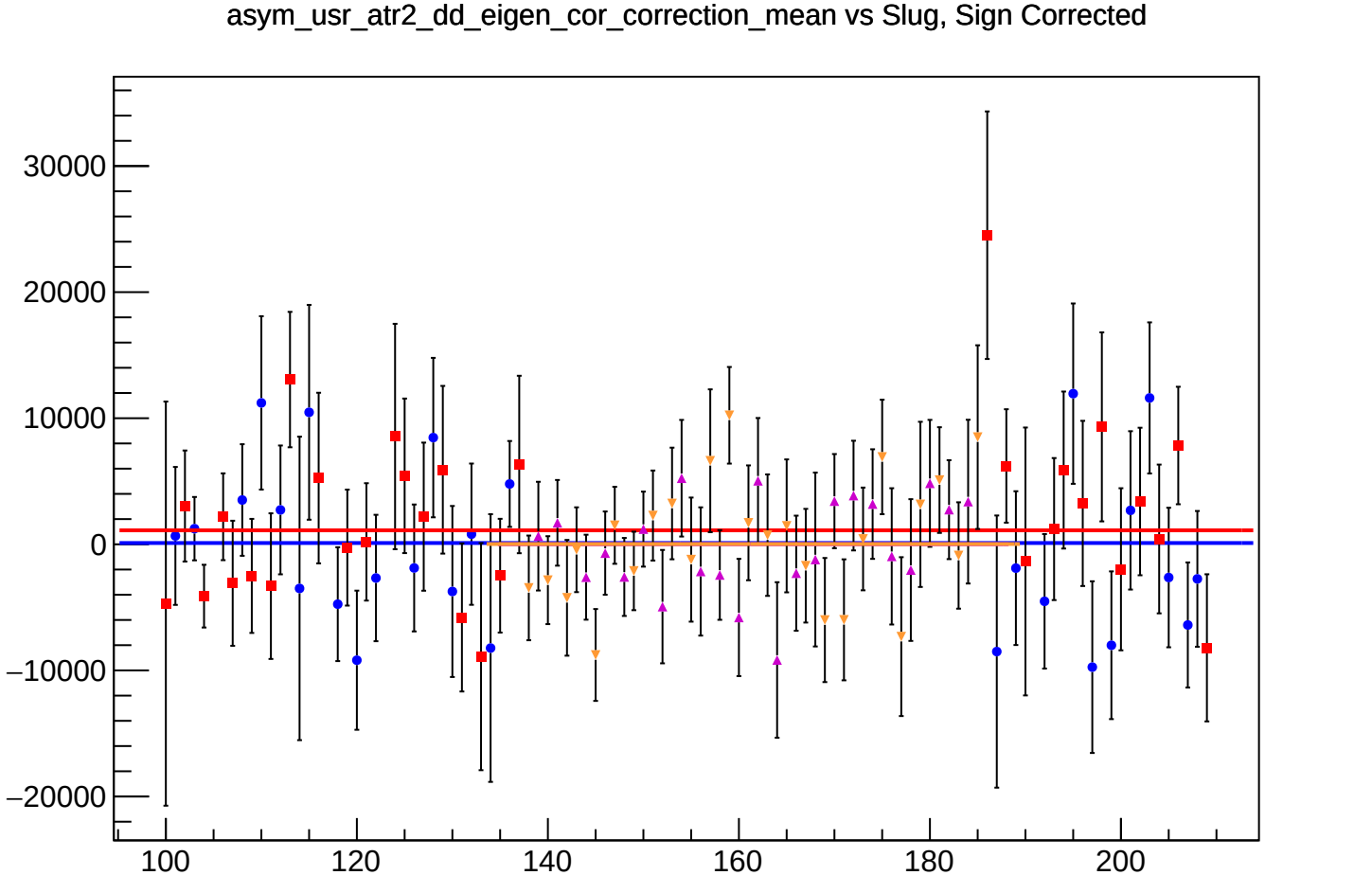
Left: 1103.007+/-0.127 χ^2/NDF: 202608.2/47

Right: 1184.813+/-0.149 χ^2/NDF: 1943560.5/57

In: 1136.716+/-0.139 χ^2/NDF:1185887.3/49

Out: 1138.258+/-0.135 χ^2/NDF:1134765.1/55

All: 1137.509+/-0.097 χ^2/NDF: 2320716.0/10


asym_usr_atr2_dd_eigen_cor_correction_mean vs Slug, Sign Corrected
30000
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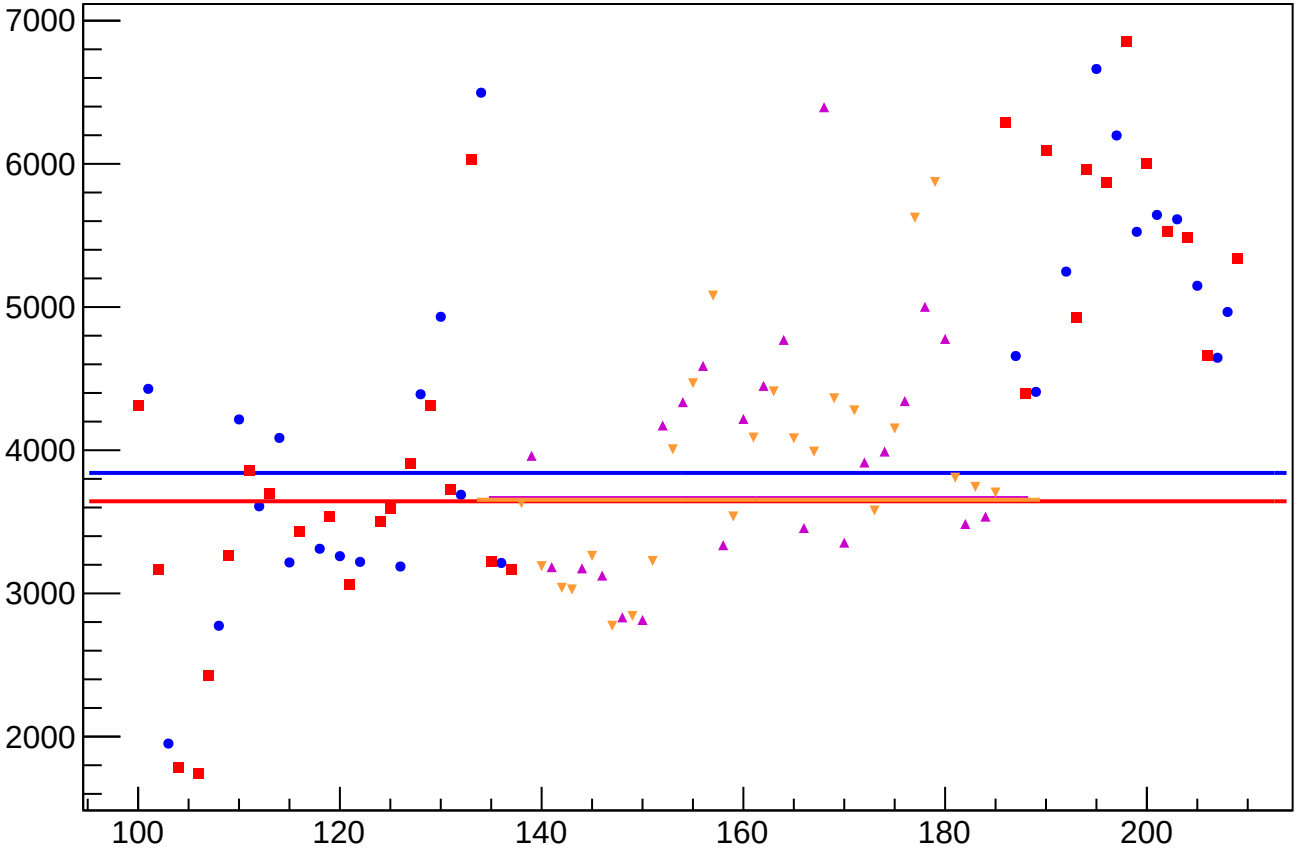
−10000
−20000
100
120
140
160
180
200
Right In: 102.939+/-1020.662 χ²/NDF: 28.7/26
Left Out: 23.365+/-850.403 χ²/NDF:28.5/24
Right Out: 1108.445+/-954.766 χ²/NDF: 31.7/30
Left In: 6.368+/-875.255 χ²/NDF:14.0/22
Left: 15.111+/-609.923 χ²/NDF: 42.5/47
Right: 639.196+/-697.254 χ²/NDF: 60.9/57
In: 47.290+/-664.414 χ²/NDF:42.7/49
Out: 503.382+/-635.030 χ²/NDF:60.9/55
All: 285.644+/-459.071 χ²/NDF: 103.9/105

asym_usr_atr2_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 3841.616+/-0.722 χ^2/NDF: 3143595.2/26

Left Out: 3654.195+/-0.601 χ^2/NDF:1311769.4/24

Right Out: 3643.463+/-0.675 χ^2/NDF: 4341311.6/30

Left In: 3666.114+/-0.619 χ^2/NDF:1343711.6/22

Left: 3659.983+/-0.431 χ^2/NDF: 2655671.8/47

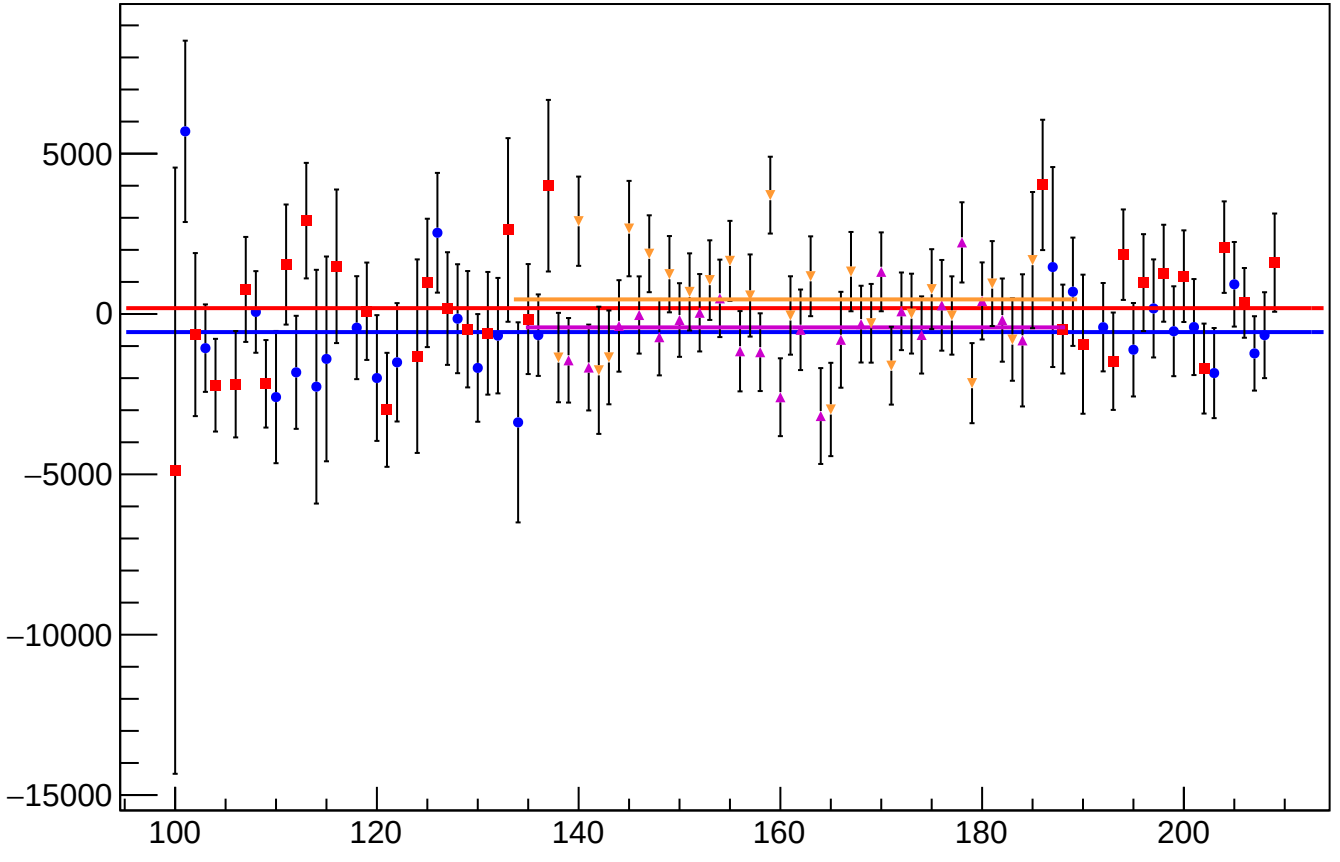
Right: 3735.937+/-0.493 χ^2/NDF: 7525109.2/57

In: 3740.484+/-0.470 χ^2/NDF:4521381.7/49

Out: 3649.448+/-0.449 χ^2/NDF:5653221.9/55

All: 3692.908+/-0.325 χ^2/NDF: 10194225.9/1

dit_asym_usr_atr2_dd_mean vs Slug, Sign Corrected



Right In: -563.914+/-313.305 χ^2/NDF: 15.7/26

Left Out: 455.711+/-261.005 χ^2/NDF:36.1/24

Right Out: 182.469+/-303.624 χ^2/NDF: 30.5/30

Left In: -417.202+/-266.582 χ^2/NDF:17.3/22

Left: 28.481+/-186.499 χ^2/NDF: 59.0/47

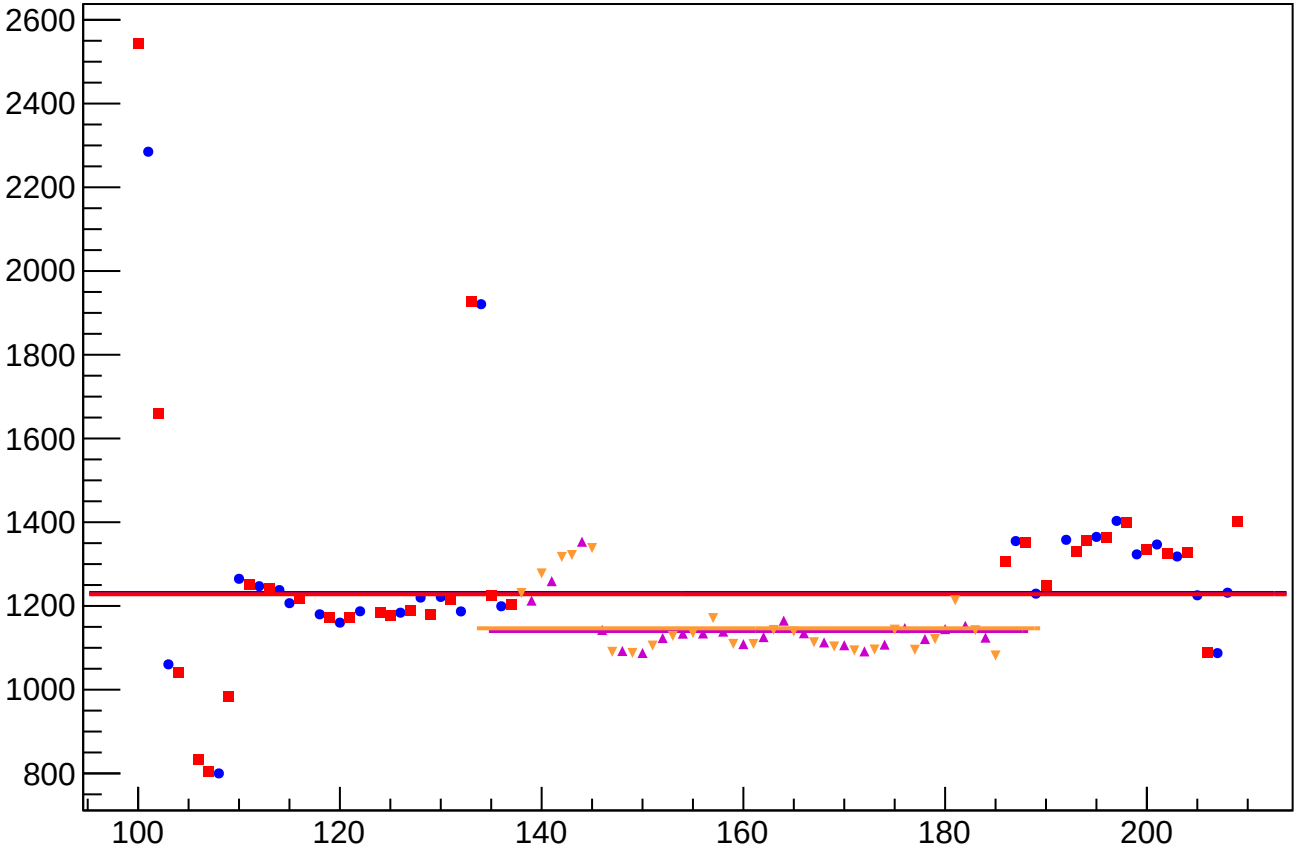
Right: -179.013+/-218.037 χ^2/NDF: 49.2/57

In: -478.814+/-203.032 χ^2/NDF:33.2/49

Out: 339.598+/-197.926 χ^2/NDF:67.1/55

All: -59.188+/-141.726 χ^2/NDF: 108.7/105

dit_asym_usr_atr2_dd_rms vs Slug, Sign Corrected



Right In: 1231.002+/-0.222 χ^2/NDF: 768180.9/26

Left Out: 1146.614+/-0.185 χ^2/NDF:141015.8/24

Right Out: 1227.941+/-0.215 χ^2/NDF: 747799.5/30

Left In: 1140.168+/-0.189 χ^2/NDF:84737.4/22

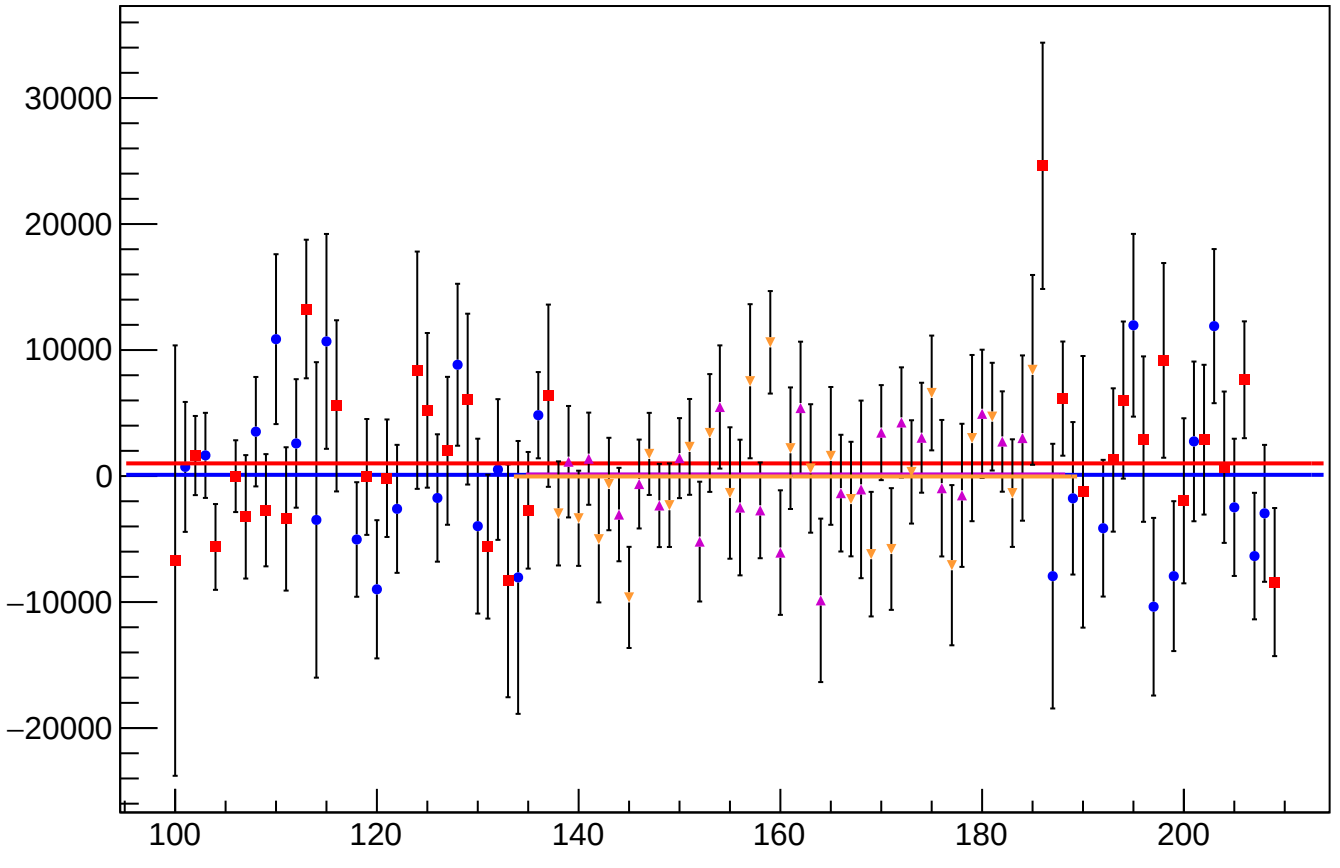
Left: 1143.459+/-0.132 χ^2/NDF: 226350.2/47

Right: 1229.423+/-0.154 χ^2/NDF: 1516078.9/57

In: 1178.313+/-0.144 χ^2/NDF:950429.8/49

Out: 1181.182+/-0.140 χ^2/NDF:971352.9/55

All: 1179.785+/-0.100 χ^2/NDF: 1921987.5/10



Right In: 96.964+/-1062.273 χ^2/NDF: 28.5/26

Left Out: -33.549+/-891.370 χ^2/NDF:27.8/24

Right Out: 1004.624+/-952.885 χ^2/NDF: 30.9/30

Left In: 121.051+/-915.714 χ^2/NDF:13.8/22

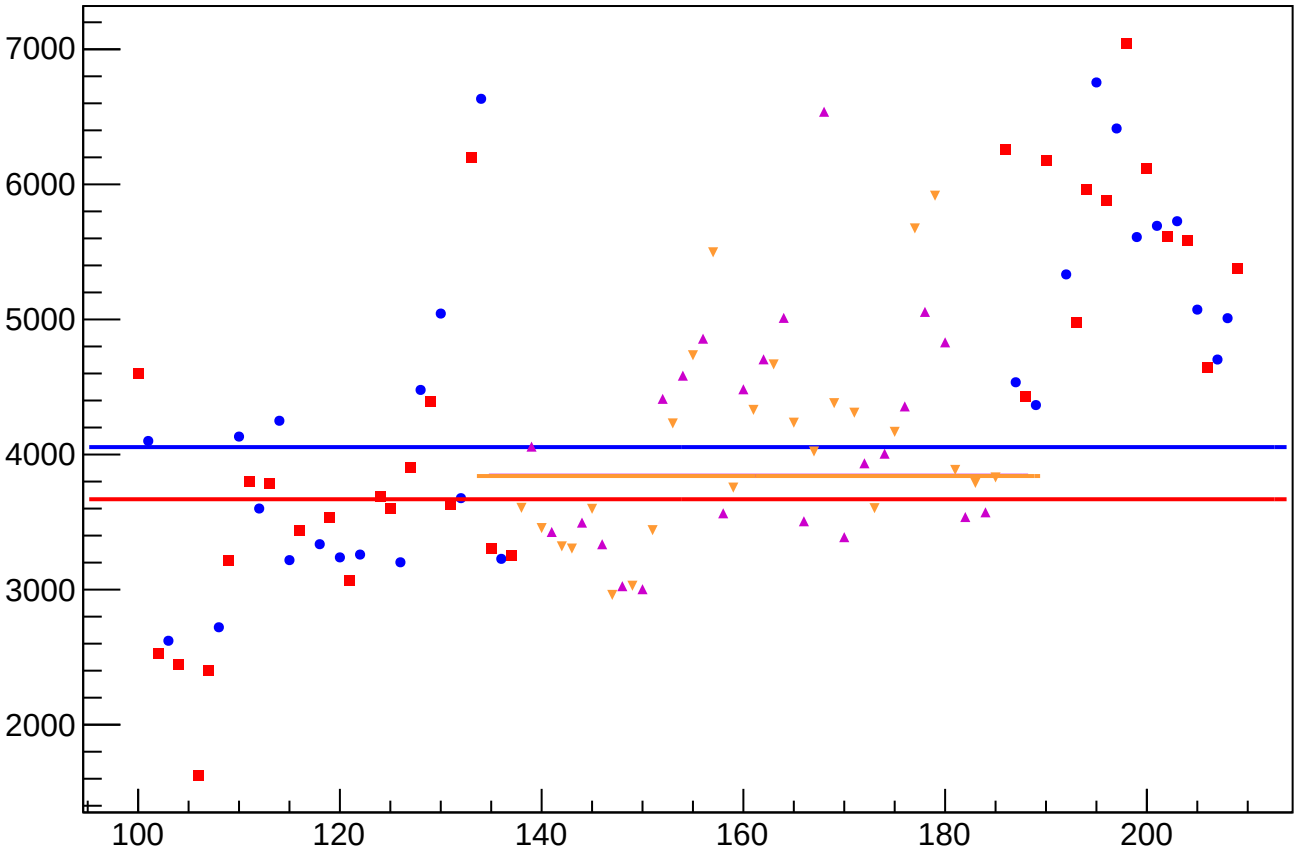
Left: 41.669+/-638.727 χ^2/NDF: 41.5/47

Right: 599.919+/-709.322 χ^2/NDF: 59.8/57

In: 110.783+/-693.583 χ^2/NDF:42.2/49

Out: 450.948+/-650.955 χ^2/NDF:59.3/55

All: 291.640+/-474.650 χ^2/NDF: 101.7/105



Right In: 4055.005+/-0.751 χ^2/NDF: 2280856.6/26

Left Out: 3840.830+/-0.630 χ^2/NDF:1118666.6/24

Right Out: 3669.051+/-0.674 χ^2/NDF: 4196639.3/30

Left In: 3843.328+/-0.648 χ^2/NDF:1196057.8/22

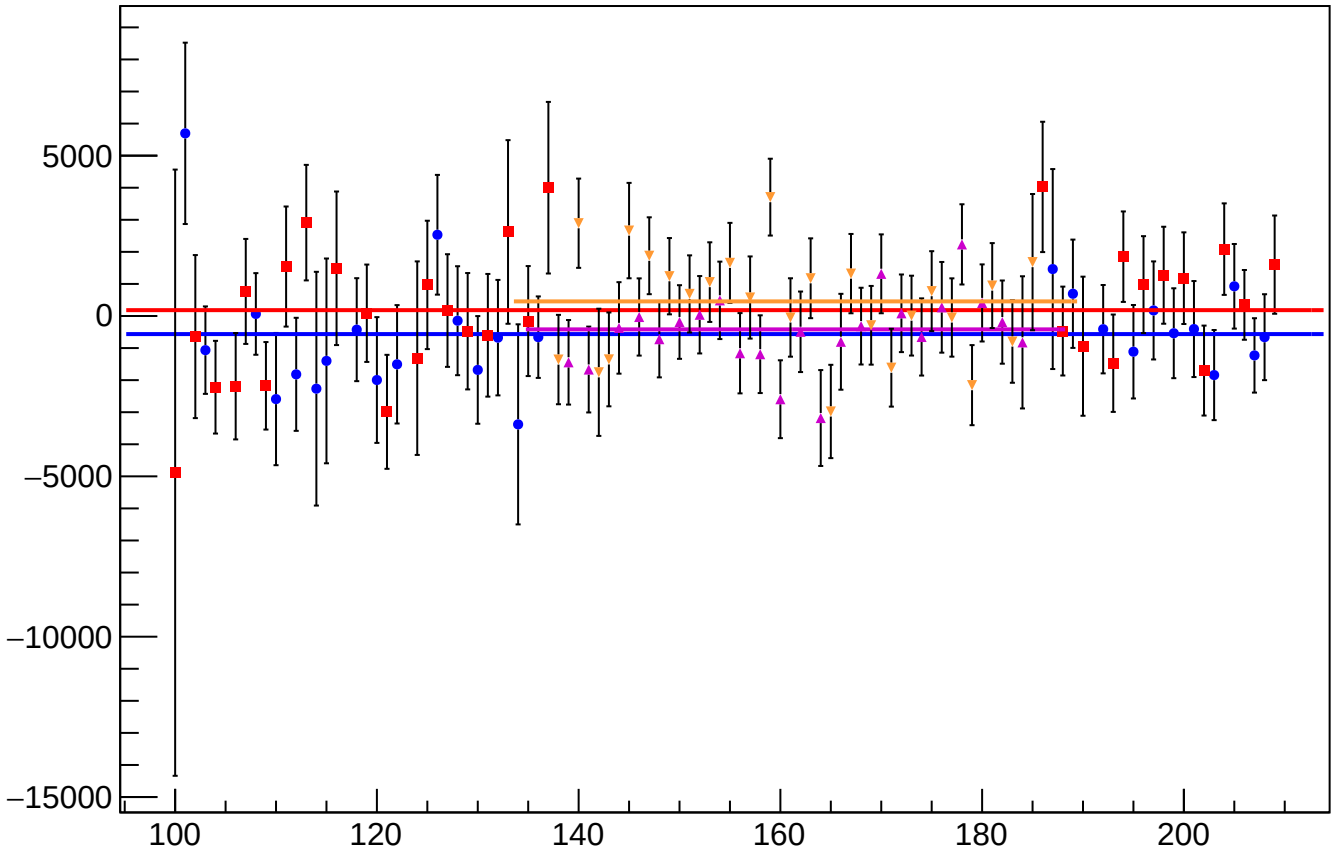
Left: 3842.046+/-0.452 χ^2/NDF: 2314732.0/47

Right: 3841.139+/-0.502 χ^2/NDF: 6623793.1/57

In: 3933.568+/-0.490 χ^2/NDF:3522474.4/49

Out: 3760.664+/-0.460 χ^2/NDF:5349969.8/55

All: 3841.640+/-0.336 χ^2/NDF: 8938526.9/10



Right In: -563.913+/-313.305 χ^2/NDF: 15.7/26

Left Out: 455.716+/-261.006 χ^2/NDF:36.1/24

Right Out: 182.467+/-303.624 χ^2/NDF: 30.5/30

Left In: -417.201+/-266.583 χ^2/NDF:17.3/22

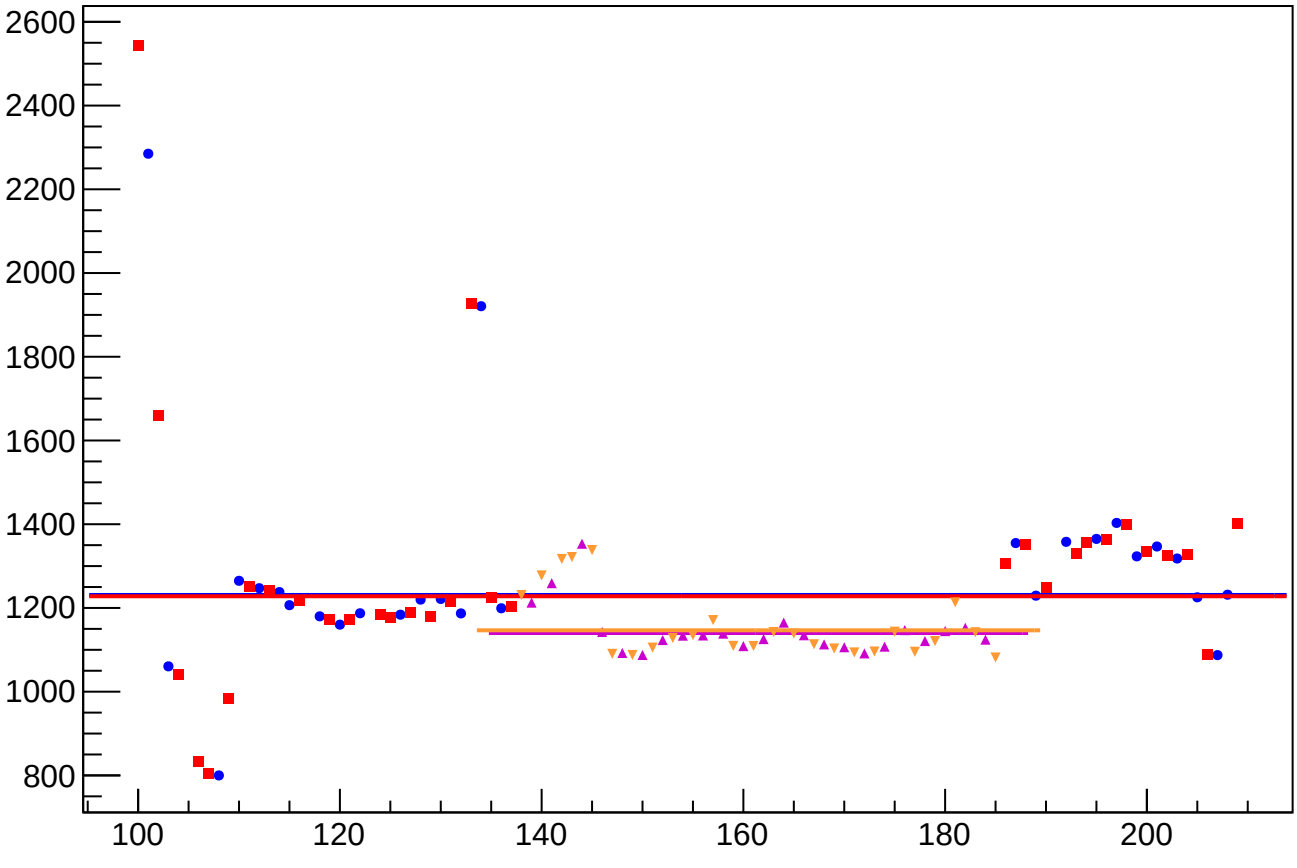
Left: 28.484+/-186.499 χ^2/NDF: 59.0/47

Right: -179.014+/-218.037 χ^2/NDF: 49.2/57

In: -478.813+/-203.032 χ^2/NDF:33.2/49

Out: 339.599+/-197.926 χ^2/NDF:67.1/55

All: -59.186+/-141.726 χ^2/NDF: 108.7/105



Right In: 1231.001+/-0.222 χ^2/NDF: 768181.7/26

Left Out: 1146.614+/-0.185 χ^2/NDF:141015.8/24

Right Out: 1227.941+/-0.215 χ^2/NDF: 747799.4/30

Left In: 1140.169+/-0.189 χ^2/NDF:84737.2/22

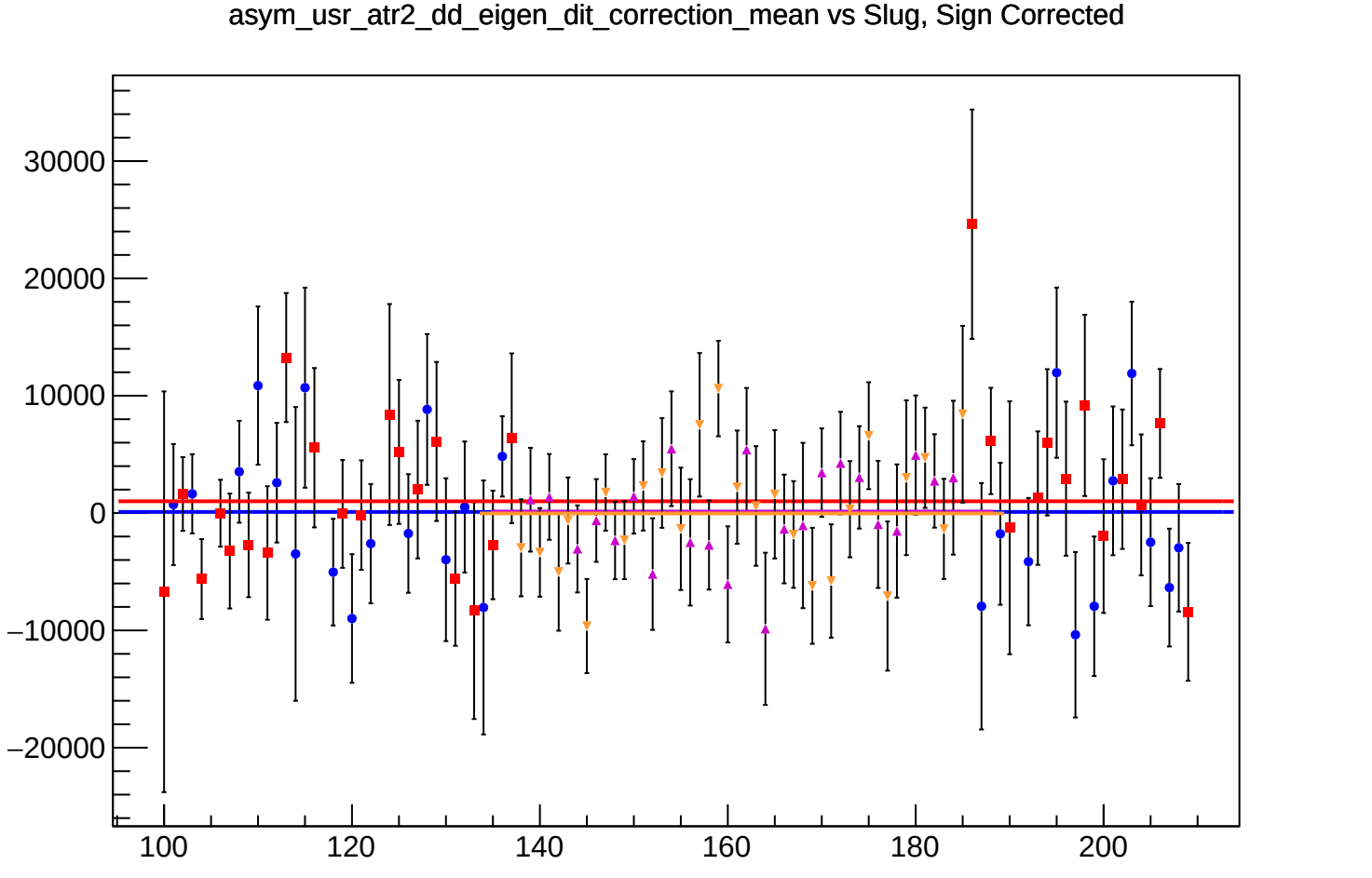
Left: 1143.460+/-0.132 χ^2/NDF: 226349.9/47

Right: 1229.423+/-0.154 χ^2/NDF: 1516079.5/57

In: 1178.314+/-0.144 χ^2/NDF:950428.5/49

Out: 1181.183+/-0.140 χ^2/NDF:971351.9/55

All: 1179.785+/-0.100 χ^2/NDF: 1921985.2/10


asym_usr_atr2_dd_eigen_dit_correction_mean vs Slug, Sign Corrected
30000
20000
10000
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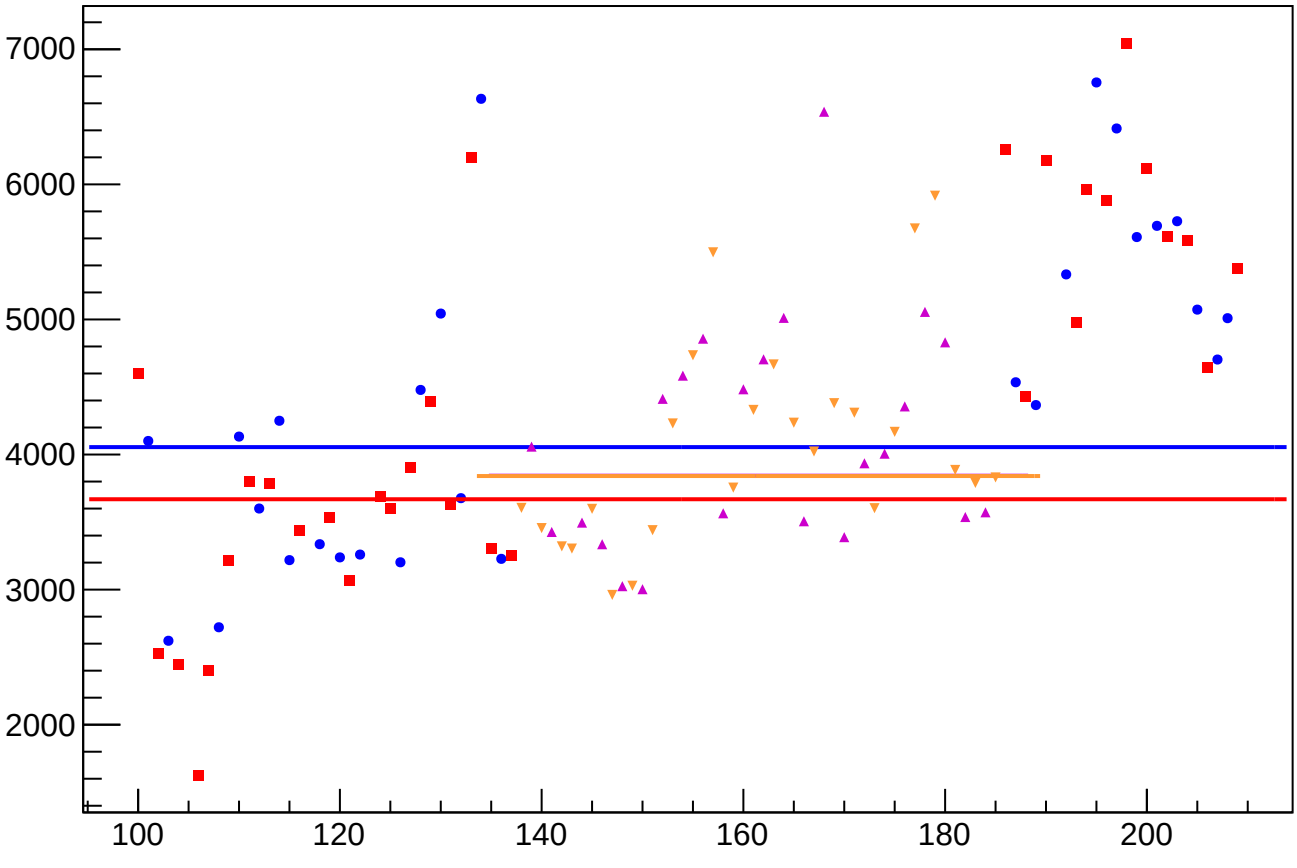
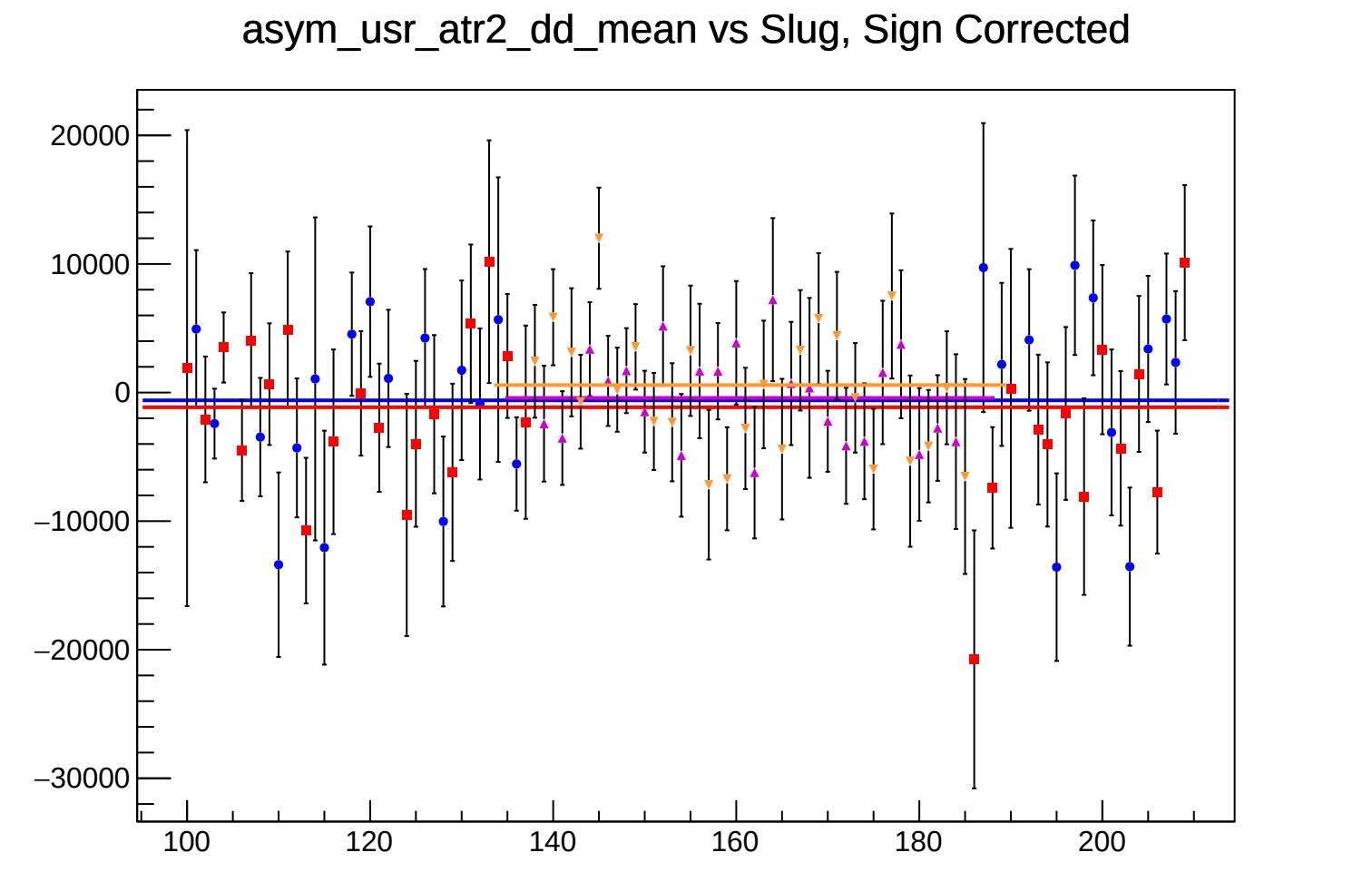
−10000
−20000
100
120
140
160
180
200
Right In: 96.955+/-1062.272 χ²/NDF: 28.5/26
Left Out: -33.548+/-891.372 χ²/NDF:27.8/24
Right Out: 1004.617+/-952.884 χ²/NDF: 30.9/30
Left In: 121.054+/-915.716 χ²/NDF:13.8/22
Left: 41.671+/-638.728 χ²/NDF: 41.5/47
Right: 599.912+/-709.322 χ²/NDF: 59.8/57
In: 110.780+/-693.584 χ²/NDF:42.2/49
Out: 450.947+/-650.956 χ²/NDF:59.3/55
All: 291.638+/-474.650 χ²/NDF: 101.7/105


asym_usr_atr2_dd_eigen_dit_correction_rms vs Slug, Sign Corrected
7000
6000
5000
4000
3000
2000
100
120
140
160
180
200
Right In: 4055.003+/-0.751 χ²/NDF: 2280867.6/26
Left Out: 3840.836+/-0.630 χ²/NDF:1118668.2/24
Right Out: 3669.047+/-0.674 χ²/NDF: 4196661.9/30
Left In: 3843.333+/-0.648 χ²/NDF:1196061.6/22
Left: 3842.051+/-0.452 χ²/NDF: 2314737.5/47
Right: 3841.136+/-0.502 χ²/NDF: 6623828.6/57
In: 3933.570+/-0.490 χ²/NDF:3522486.1/49
Out: 3760.664+/-0.460 χ²/NDF:5349997.9/55
All: 3841.641+/-0.336 χ²/NDF: 8938567.9/10



Right In: -604.852+/-1074.992 χ^2/NDF: 30.8/26

Left Out: 583.278+/-894.900 χ^2/NDF:27.4/24

Right Out: -1144.308+/-1013.863 χ^2/NDF: 26.8/30

Left In: -416.803+/-919.006 χ^2/NDF:12.5/22

Left: 96.526+/-641.143 χ^2/NDF: 40.5/47

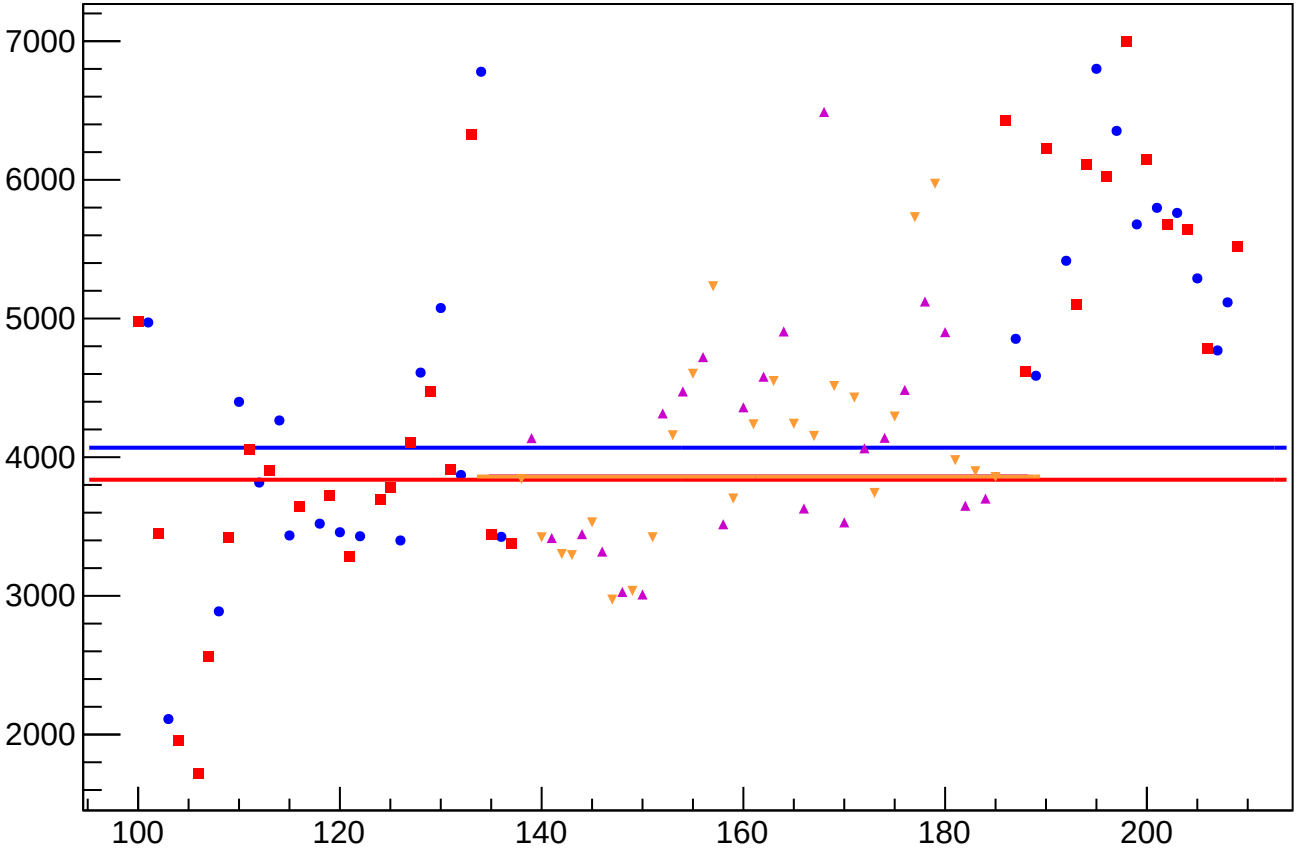
Right: -890.353+/-737.573 χ^2/NDF: 57.8/57

In: -496.207+/-698.536 χ^2/NDF:43.3/49

Out: -173.261+/-670.926 χ^2/NDF:55.9/55

All: -328.225+/-483.883 χ^2/NDF: 99.3/105

asym_usr_atr2_dd_rms vs Slug, Sign Corrected



Right In: 4068.416+/-0.760 χ^2/NDF: 2855872.6/26

Left Out: 3860.536+/-0.633 χ^2/NDF:1097292.6/24

Right Out: 3837.422+/-0.709 χ^2/NDF: 4137265.5/30

Left In: 3862.339+/-0.650 χ^2/NDF:1142179.8/22

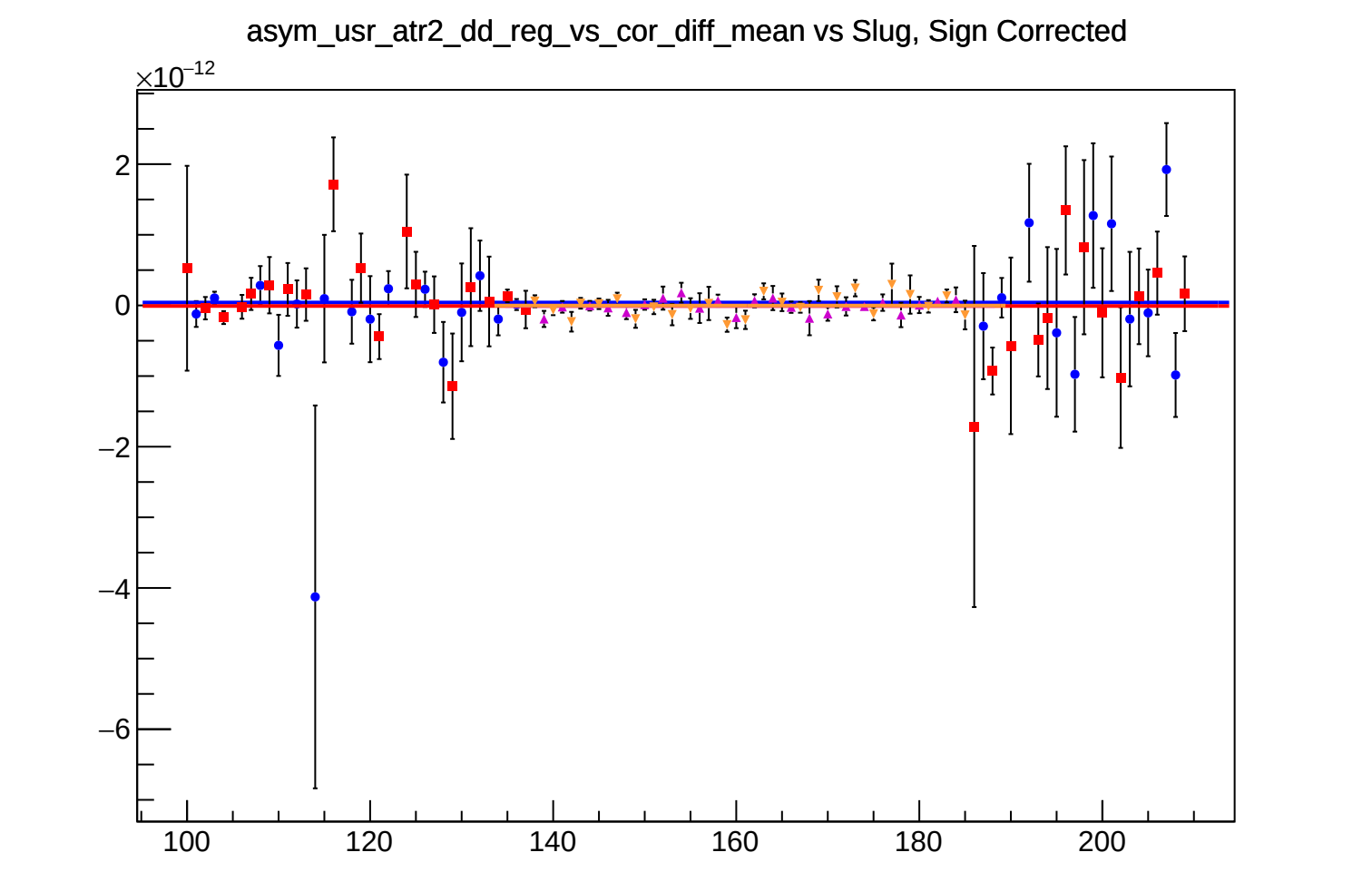
Left: 3861.414+/-0.453 χ^2/NDF: 2239476.3/47

Right: 3944.825+/-0.518 χ^2/NDF: 7042546.9/57

In: 3949.354+/-0.494 χ^2/NDF:4040516.2/49

Out: 3850.281+/-0.472 χ^2/NDF:5235150.0/55

All: 3897.568+/-0.341 χ^2/NDF: 9296695.7/10



Right In: 0.000+/-0.000 χ^2/NDF: 29.7/26

Left Out: -0.000+/-0.000 χ^2/NDF:34.3/24

Right Out: -0.000+/-0.000 χ^2/NDF: 35.7/30

Left In: -0.000+/-0.000 χ^2/NDF:12.8/22

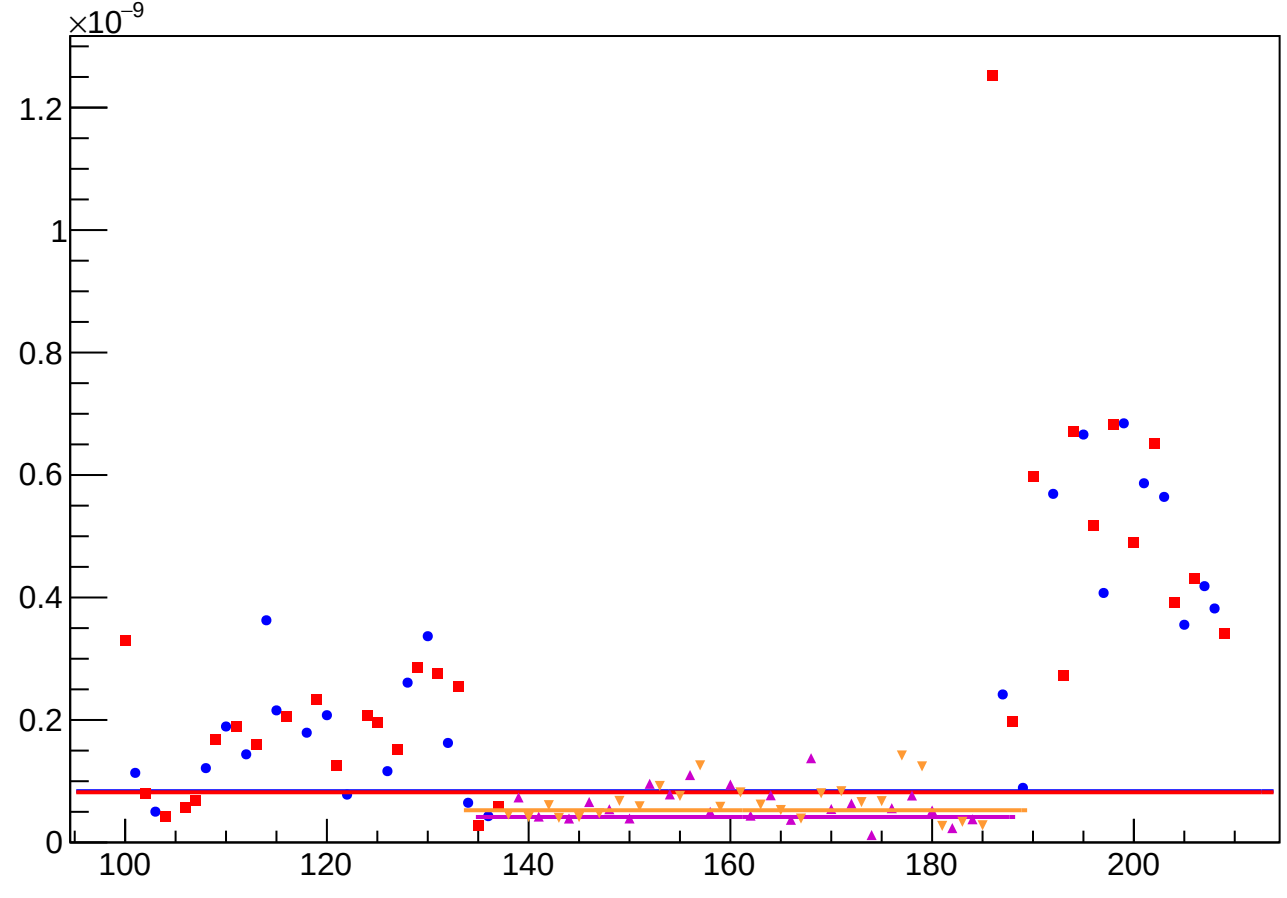
Left: -0.000+/-0.000 χ^2/NDF: 47.1/47

Right: 0.000+/-0.000 χ^2/NDF: 66.0/57

In: 0.000+/-0.000 χ^2/NDF:43.5/49

Out: -0.000+/-0.000 χ^2/NDF:70.0/55

All: -0.000+/-0.000 χ^2/NDF: 113.5/105



Right In: 0.000+/-0.000 χ^2/NDF: 6636662.6/26

Left Out: 0.000+/-0.000 χ^2/NDF:1611629.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 8074658.8/30

Left In: 0.000+/-0.000 χ^2/NDF:2939628.2/22

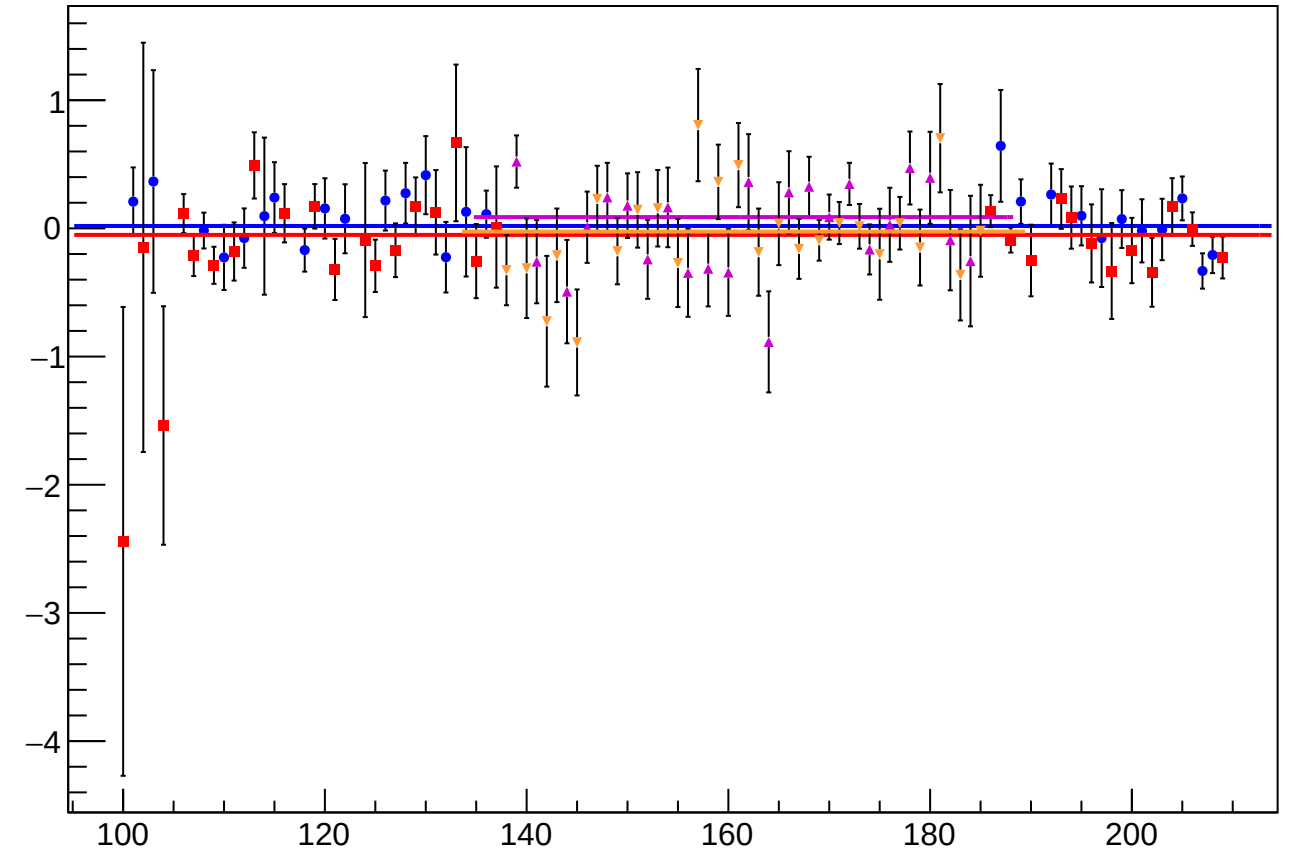
Left: 0.000+/-0.000 χ^2/NDF: 4840259.0/47

Right: 0.000+/-0.000 χ^2/NDF: 14712662.3/57

In: 0.000+/-0.000 χ^2/NDF:10930505.3/49

Out: 0.000+/-0.000 χ^2/NDF:10310951.3/55

All: 0.000+/-0.000 χ^2/NDF: 21512507.0/105



Right In: 0.019+/-0.043 χ^2/NDF: 24.0/26

Left Out: -0.025+/-0.055 χ^2/NDF:24.1/24

Right Out: -0.051+/-0.037 χ^2/NDF: 31.2/30

Left In: 0.088+/-0.057 χ^2/NDF:30.0/22

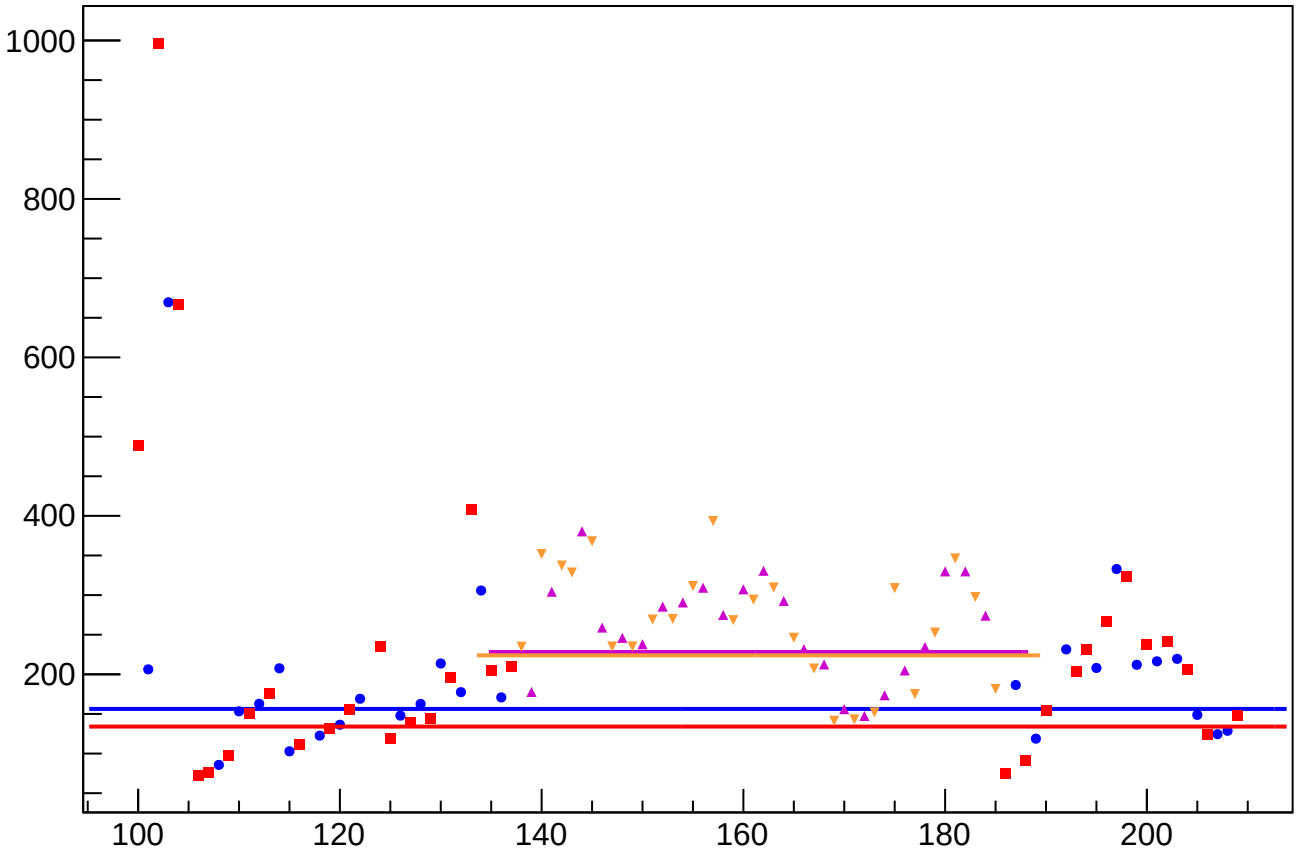
Left: 0.030+/-0.039 χ^2/NDF: 56.1/47

Right: -0.021+/-0.028 χ^2/NDF: 56.7/57

In: 0.044+/-0.034 χ^2/NDF:54.9/49

Out: -0.043+/-0.031 χ^2/NDF:55.4/55

All: -0.004+/-0.023 χ^2/NDF: 113.9/105



Right In: 156.337+/-0.030 χ^2/NDF: 3138223.3/26

Left Out: 223.945+/-0.039 χ^2/NDF:3438444.8/24

Right Out: 134.052+/-0.026 χ^2/NDF: 5996445.0/30

Left In: 228.199+/-0.040 χ^2/NDF:2488915.3/22

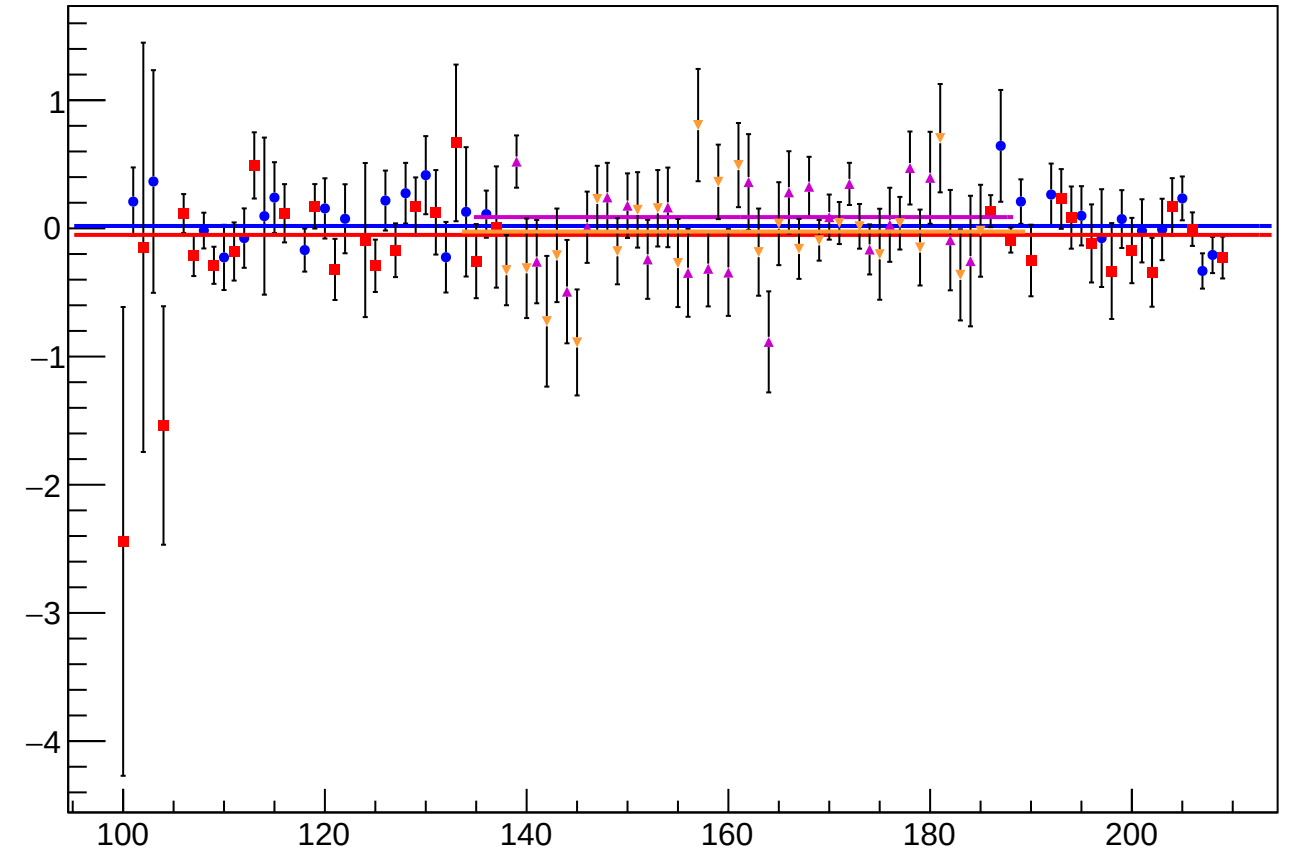
Left: 225.993+/-0.028 χ^2/NDF: 5933206.6/47

Right: 143.734+/-0.020 χ^2/NDF: 9443084.6/57

In: 182.350+/-0.024 χ^2/NDF:7679957.5/49

Out: 162.766+/-0.022 χ^2/NDF:13124492.5/55

All: 171.586+/-0.016 χ^2/NDF: 21167252.2/10



Right In: 0.019+/-0.043 χ^2/NDF: 24.0/26

Left Out: -0.025+/-0.055 χ^2/NDF:24.1/24

Right Out: -0.051+/-0.037 χ^2/NDF: 31.2/30

Left In: 0.088+/-0.057 χ^2/NDF:30.0/22

Left: 0.030+/-0.039 χ^2/NDF: 56.1/47

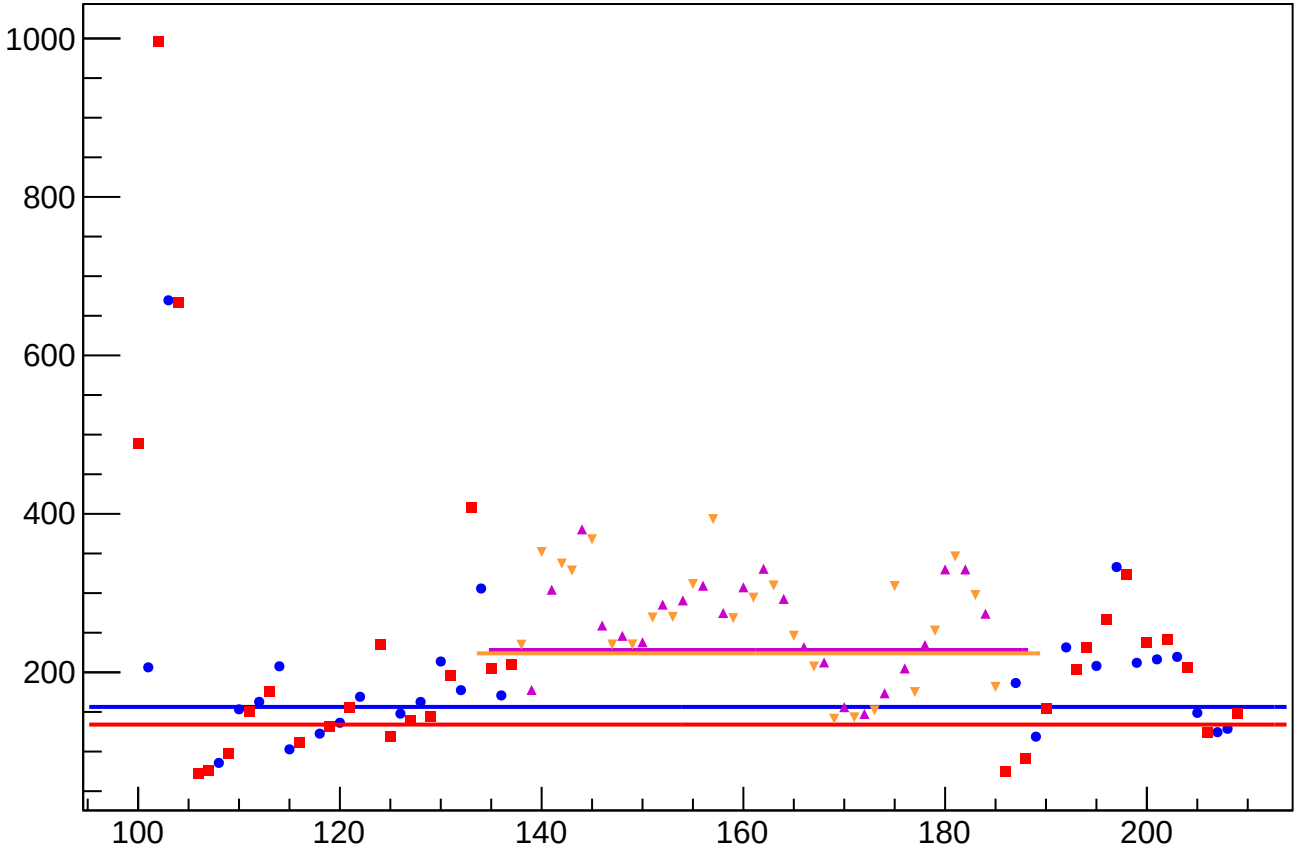
Right: -0.021+/-0.028 χ^2/NDF: 56.7/57

In: 0.044+/-0.034 χ^2/NDF:54.9/49

Out: -0.043+/-0.031 χ^2/NDF:55.4/55

All: -0.004+/-0.023 χ^2/NDF: 113.9/105

asym_usr_atr2_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 156.337+/-0.030 χ^2/NDF: 3138223.3/26

Left Out: 223.945+/-0.039 χ^2/NDF:3438444.8/24

Right Out: 134.052+/-0.026 χ^2/NDF: 5996445.0/30

Left In: 228.199+/-0.040 χ^2/NDF:2488915.3/22

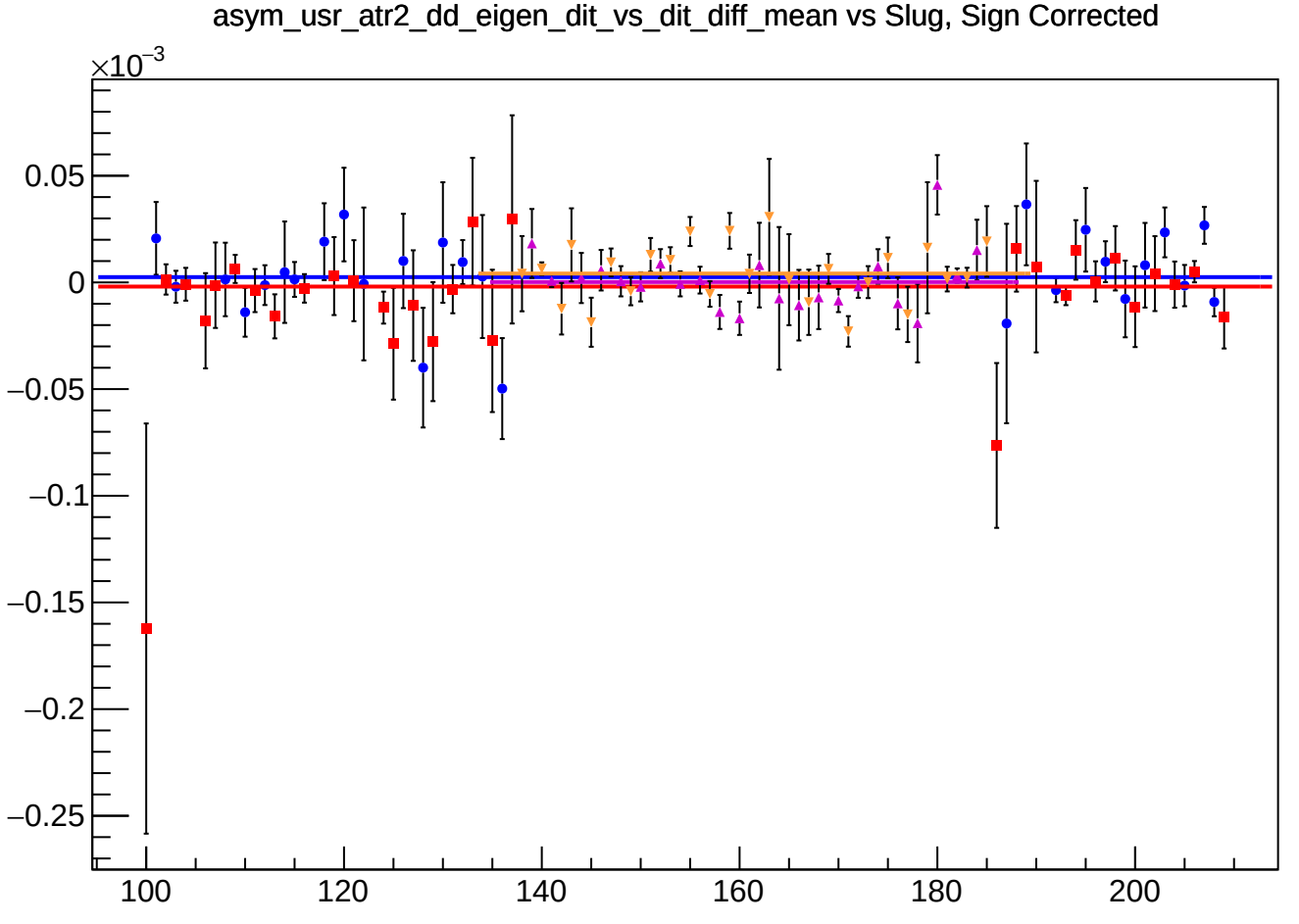
Left: 225.993+/-0.028 χ^2/NDF: 5933206.6/47

Right: 143.734+/-0.020 χ^2/NDF: 9443084.6/57

In: 182.350+/-0.024 χ^2/NDF:7679957.5/49

Out: 162.766+/-0.022 χ^2/NDF:13124492.5/55

All: 171.586+/-0.016 χ^2/NDF: 21167252.2/10



Right In: 0.000+/-0.000 χ^2/NDF: 33.8/26

Left Out: 0.000+/-0.000 χ^2/NDF:48.8/24

Right Out: -0.000+/-0.000 χ^2/NDF: 24.1/30

Left In: 0.000+/-0.000 χ^2/NDF:30.1/22

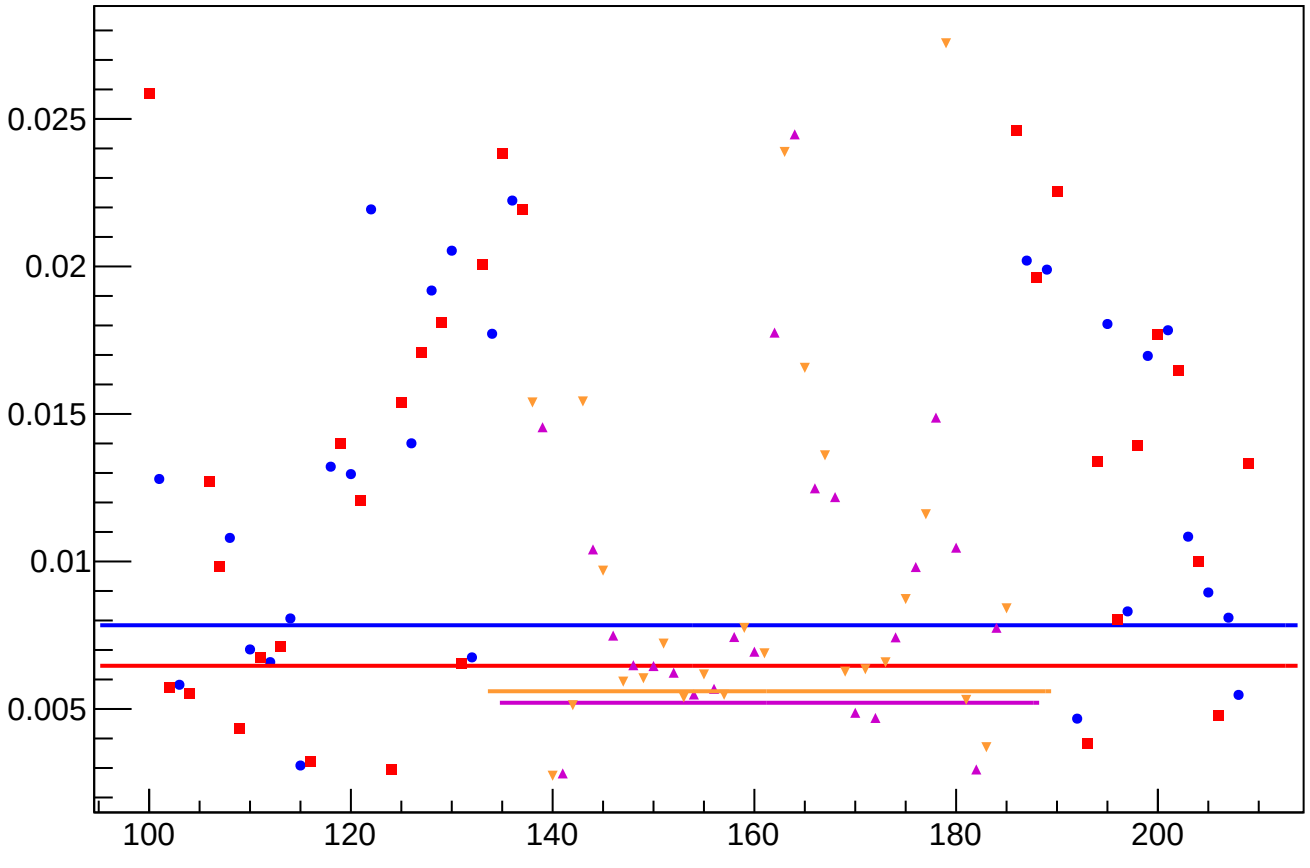
Left: 0.000+/-0.000 χ^2/NDF: 82.6/47

Right: -0.000+/-0.000 χ^2/NDF: 60.1/57

In: 0.000+/-0.000 χ^2/NDF:64.6/49

Out: 0.000+/-0.000 χ^2/NDF:79.4/55

All: 0.000+/-0.000 χ^2/NDF: 144.4/105



Right In: 0.008+/-0.000 χ^2/NDF: 6681051.4/26

Left Out: 0.006+/-0.000 χ^2/NDF:7769287.5/24

Right Out: 0.006+/-0.000 χ^2/NDF: 9682451.4/30

Left In: 0.005+/-0.000 χ^2/NDF:7460452.2/22

Left: 0.005+/-0.000 χ^2/NDF: 15302092.7/47

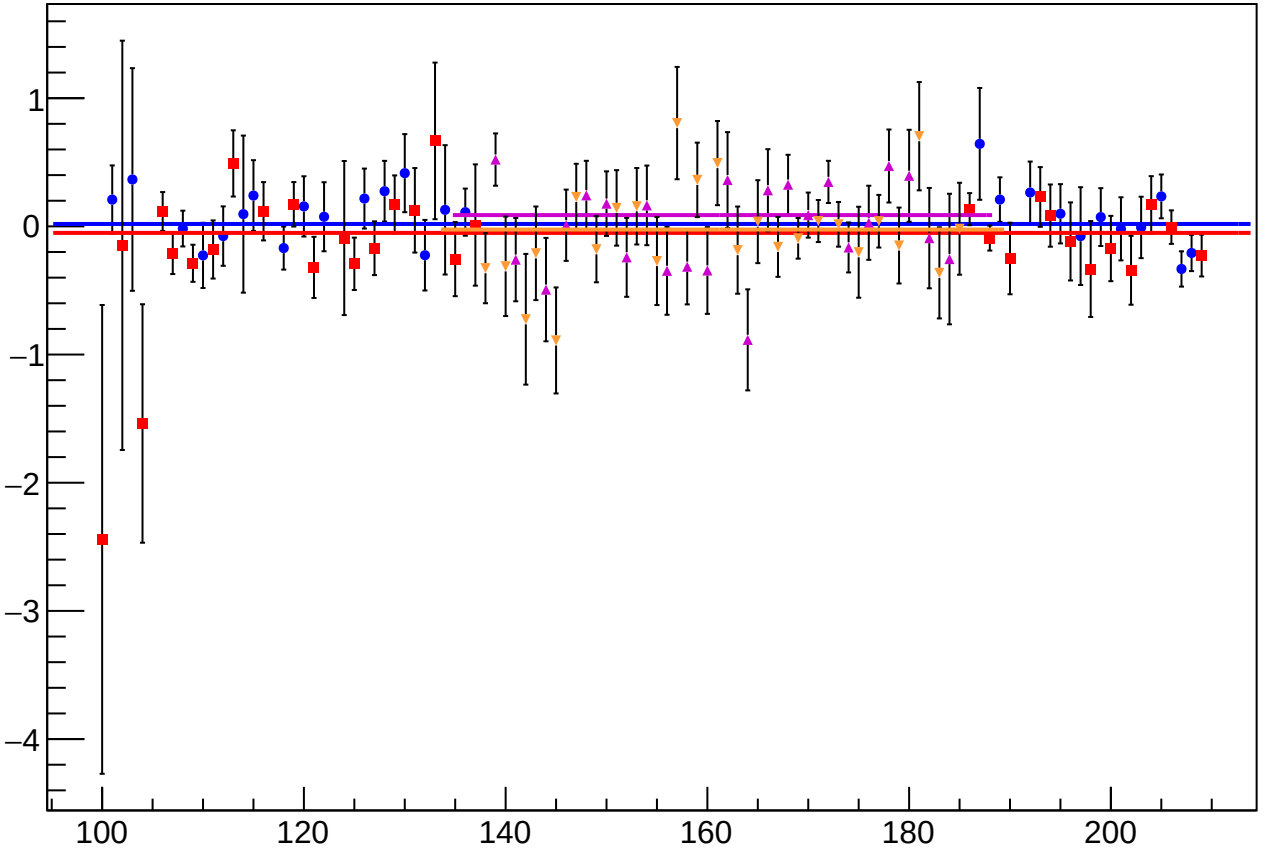
Right: 0.007+/-0.000 χ^2/NDF: 16789440.1/57

In: 0.006+/-0.000 χ^2/NDF:16022119.1/49

Out: 0.006+/-0.000 χ^2/NDF:17711801.9/55

All: 0.006+/-0.000 χ^2/NDF: 33734182.3/105

asym_usr_atr2_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.019+/-0.043 χ^2/NDF: 24.0/26

Left Out: -0.025+/-0.055 χ^2/NDF:24.1/24

Right Out: -0.051+/-0.037 χ^2/NDF: 31.2/30

Left In: 0.088+/-0.057 χ^2/NDF:30.0/22

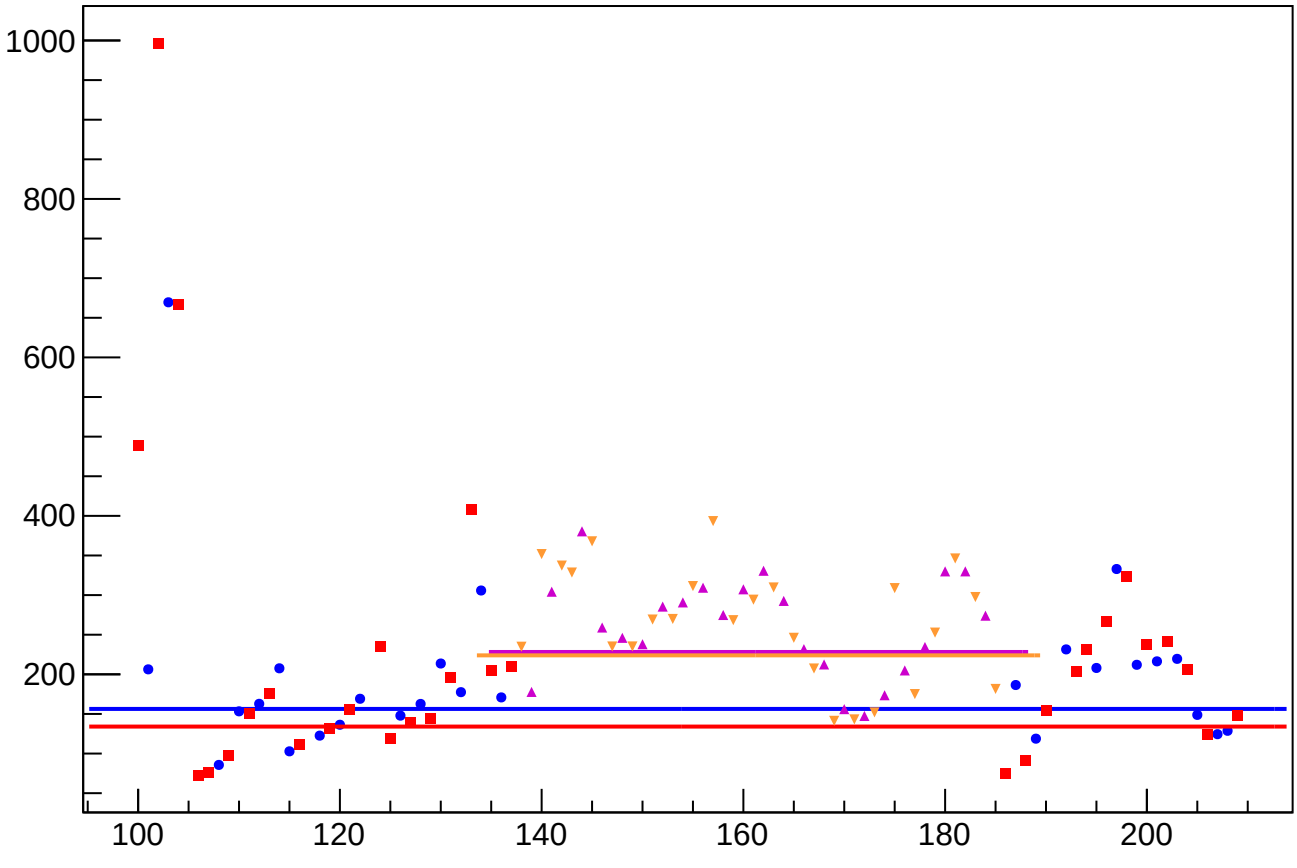
Left: 0.030+/-0.039 χ^2/NDF: 56.1/47

Right: -0.021+/-0.028 χ^2/NDF: 56.7/57

In: 0.044+/-0.034 χ^2/NDF:54.9/49

Out: -0.043+/-0.031 χ^2/NDF:55.4/55

All: -0.004+/-0.023 χ^2/NDF: 113.9/105



Right In: 156.334+/-0.030 χ^2/NDF: 3138380.2/26

Left Out: 223.946+/-0.039 χ^2/NDF:3438541.7/24

Right Out: 134.056+/-0.026 χ^2/NDF: 5995955.3/30

Left In: 228.201+/-0.040 χ^2/NDF:2488951.6/22

Left: 225.995+/-0.028 χ^2/NDF: 5933340.6/47

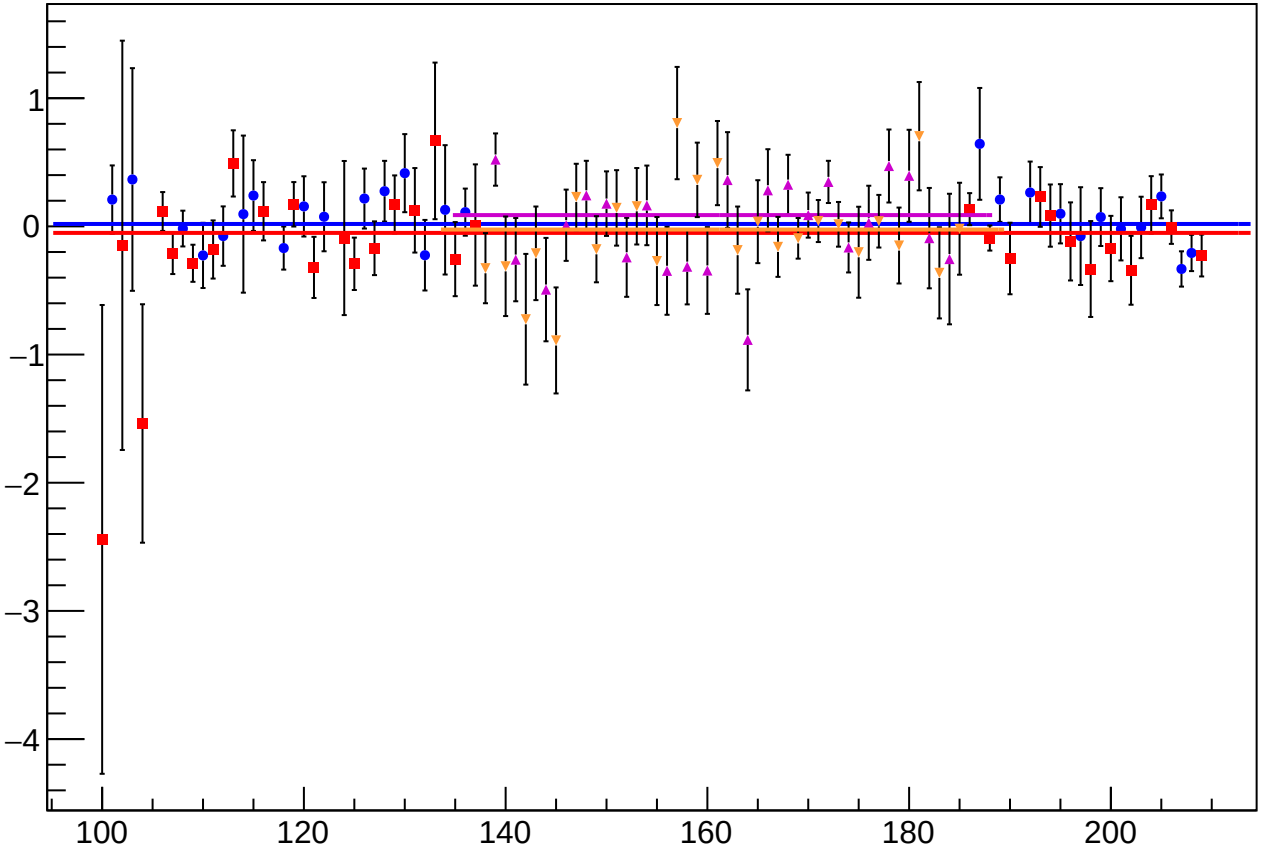
Right: 143.736+/-0.020 χ^2/NDF: 9442565.8/57

In: 182.348+/-0.024 χ^2/NDF:7680379.0/49

Out: 162.770+/-0.022 χ^2/NDF:13123770.1/55

All: 171.588+/-0.016 χ^2/NDF: 21166745.3/10

asym_usr_atr2_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.019+/-0.043 χ^2/NDF: 24.0/26

Left Out: -0.025+/-0.055 χ^2/NDF:24.1/24

Right Out: -0.051+/-0.037 χ^2/NDF: 31.2/30

Left In: 0.088+/-0.057 χ^2/NDF:30.0/22

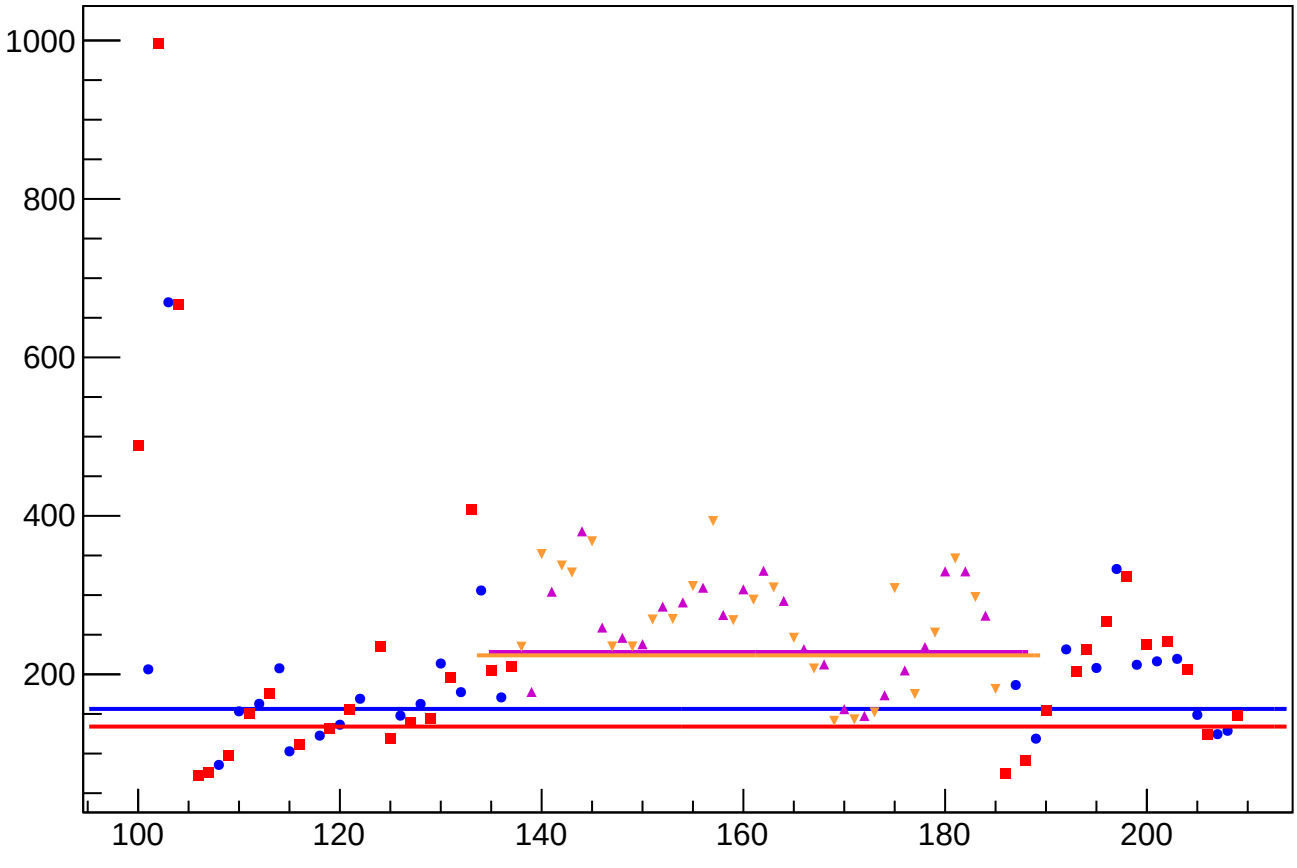
Left: 0.030+/-0.039 χ^2/NDF: 56.1/47

Right: -0.021+/-0.028 χ^2/NDF: 56.7/57

In: 0.044+/-0.034 χ^2/NDF:54.9/49

Out: -0.043+/-0.031 χ^2/NDF:55.4/55

All: -0.004+/-0.023 χ^2/NDF: 113.9/105



Right In: 156.334+/-0.030 χ^2/NDF: 3138380.2/26

Left Out: 223.946+/-0.039 χ^2/NDF:3438541.7/24

Right Out: 134.056+/-0.026 χ^2/NDF: 5995955.3/30

Left In: 228.201+/-0.040 χ^2/NDF:2488951.6/22

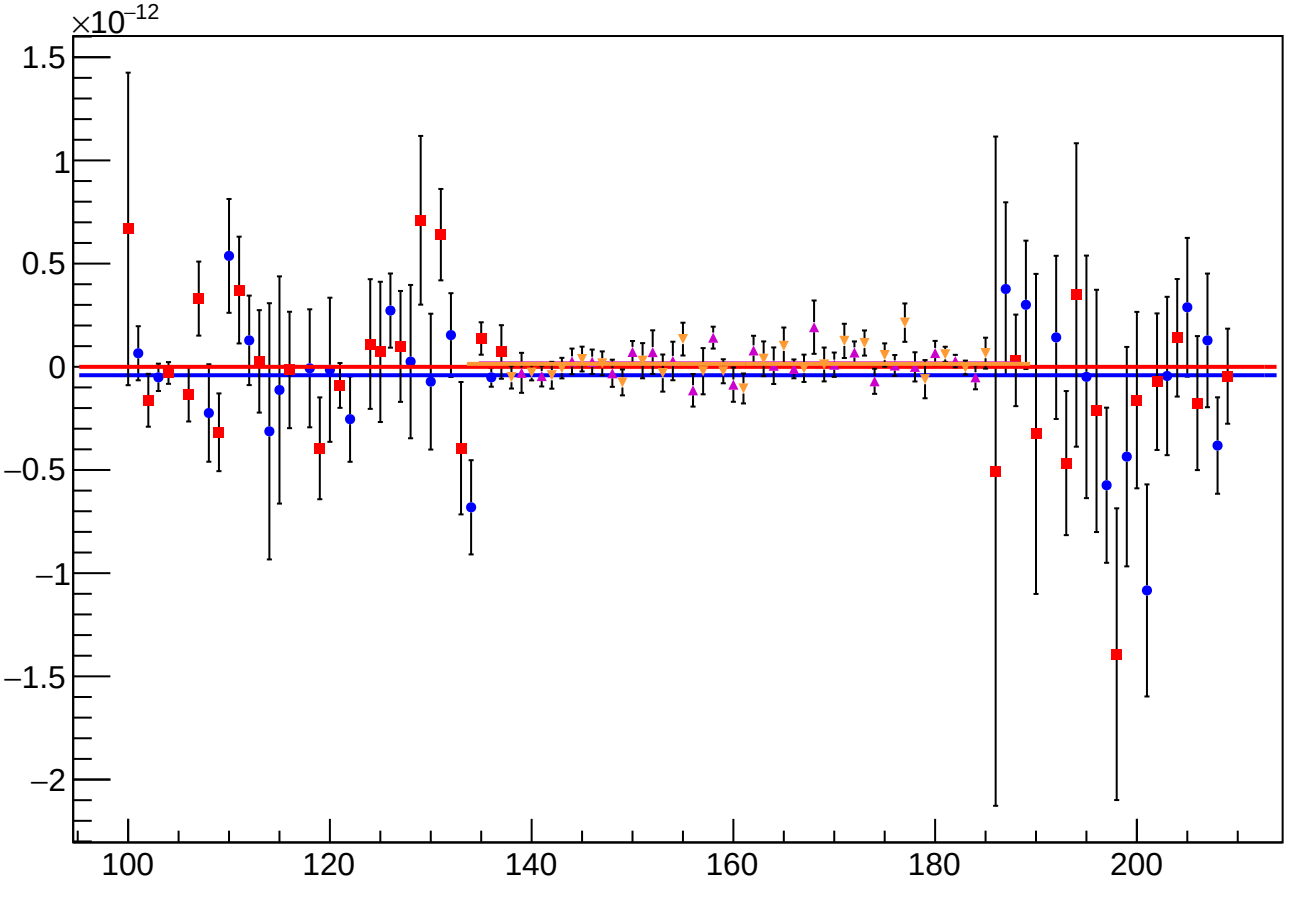
Left: 225.995+/-0.028 χ^2/NDF: 5933340.6/47

Right: 143.736+/-0.020 χ^2/NDF: 9442565.8/57

In: 182.348+/-0.024 χ^2/NDF:7680379.0/49

Out: 162.770+/-0.022 χ^2/NDF:13123770.1/55

All: 171.588+/-0.016 χ^2/NDF: 21166745.3/10



Right In: -0.000+/-0.000 χ^2/NDF: 31.9/26

Left Out: 0.000+/-0.000 χ^2/NDF:25.3/24

Right Out: -0.000+/-0.000 χ^2/NDF: 38.9/30

Left In: 0.000+/-0.000 χ^2/NDF:21.7/22

Left: 0.000+/-0.000 χ^2/NDF: 47.1/47

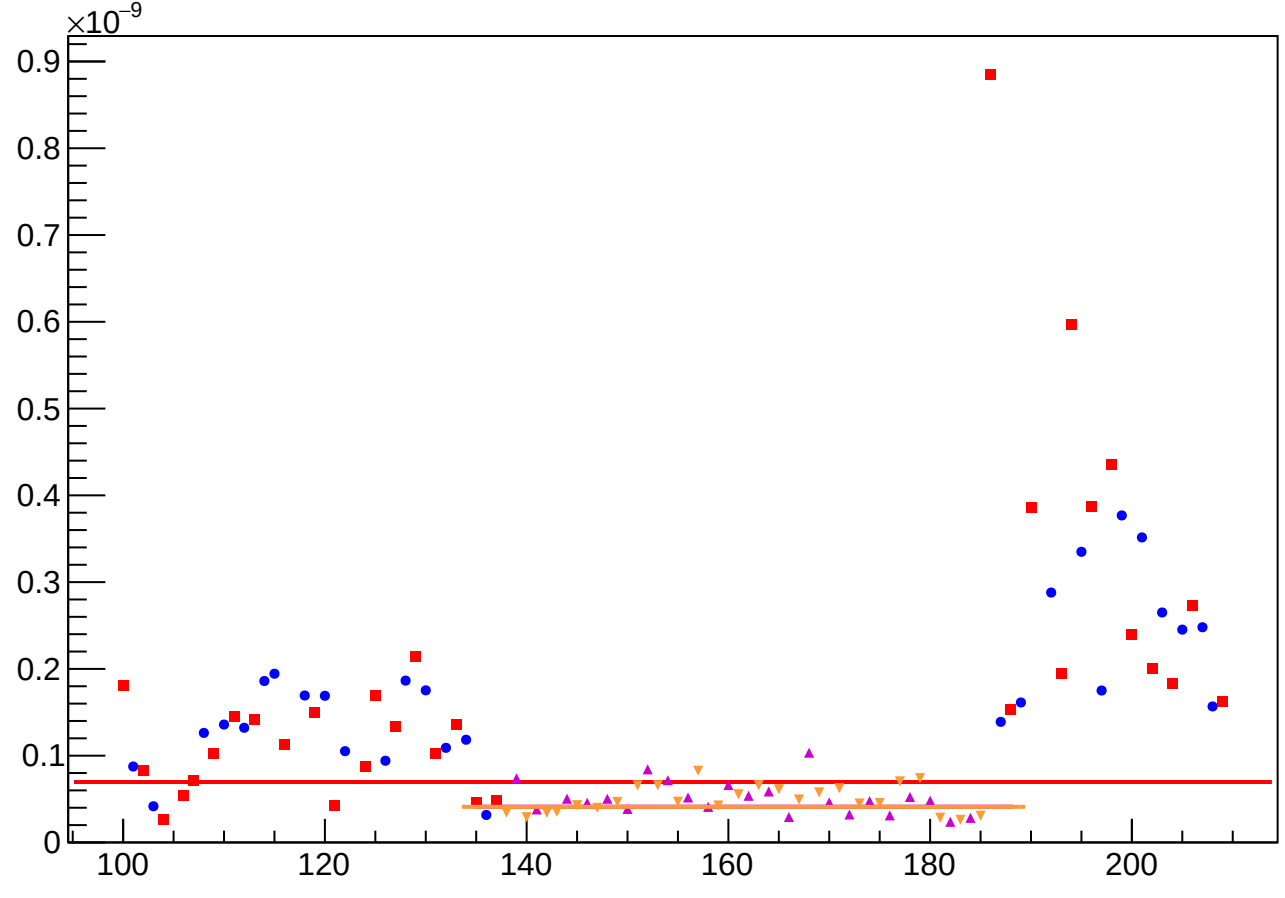
Right: -0.000+/-0.000 χ^2/NDF: 71.7/57

In: 0.000+/-0.000 χ^2/NDF:56.7/49

Out: 0.000+/-0.000 χ^2/NDF:64.5/55

All: 0.000+/-0.000 χ^2/NDF: 121.2/105

asym_usr_atr2_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 8062074.7/26

Left Out: 0.000+/-0.000 χ^2/NDF:2644306.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 8688243.0/30

Left In: 0.000+/-0.000 χ^2/NDF:2852113.9/22

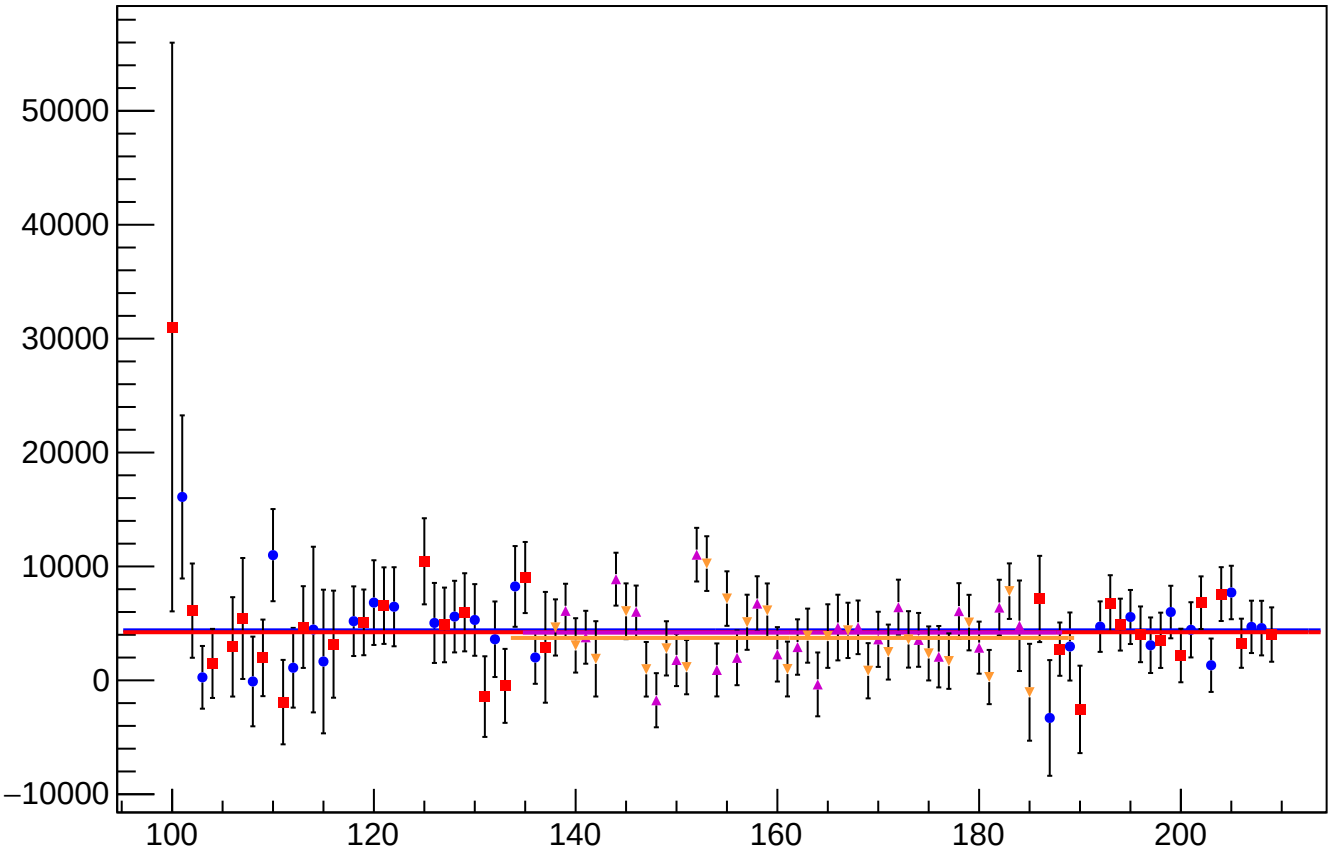
Left: 0.000+/-0.000 χ^2/NDF: 5496578.5/47

Right: 0.000+/-0.000 χ^2/NDF: 16750317.7/57

In: 0.000+/-0.000 χ^2/NDF:12379018.7/49

Out: 0.000+/-0.000 χ^2/NDF:12845667.7/55

All: 0.000+/-0.000 χ^2/NDF: 25225142.4/105



Right In: 4389.290+/-568.807 χ^2/NDF: 20.7/26

Left Out: 3723.486+/-507.155 χ^2/NDF:25.4/23

Right Out: 4223.988+/-553.226 χ^2/NDF: 25.8/29

Left In: 4195.942+/-510.578 χ^2/NDF:32.1/22

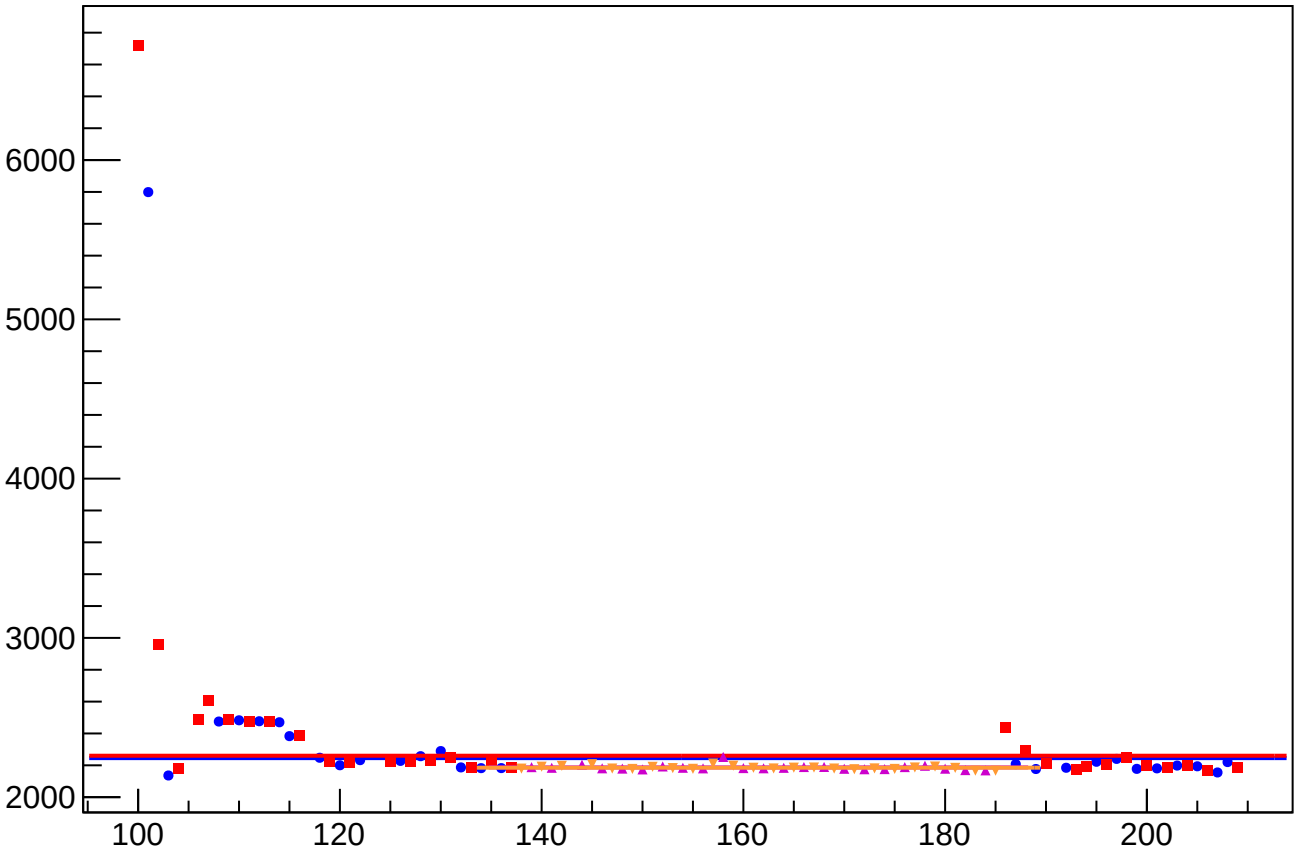
Left: 3958.125+/-359.817 χ^2/NDF: 58.0/46

Right: 4304.344+/-396.584 χ^2/NDF: 46.5/56

In: 4282.216+/-379.957 χ^2/NDF:52.8/49

Out: 3952.033+/-373.841 χ^2/NDF:51.7/53

All: 4114.445+/-266.481 χ^2/NDF: 104.9/103



Right In: 2245.163+/-0.402 χ^2/NDF: 535529.8/26

Left Out: 2185.133+/-0.359 χ^2/NDF:815.1/23

Right Out: 2260.228+/-0.391 χ^2/NDF: 184585.3/29

Left In: 2186.745+/-0.361 χ^2/NDF:2063.9/22

Left: 2185.934+/-0.254 χ^2/NDF: 2889.0/46

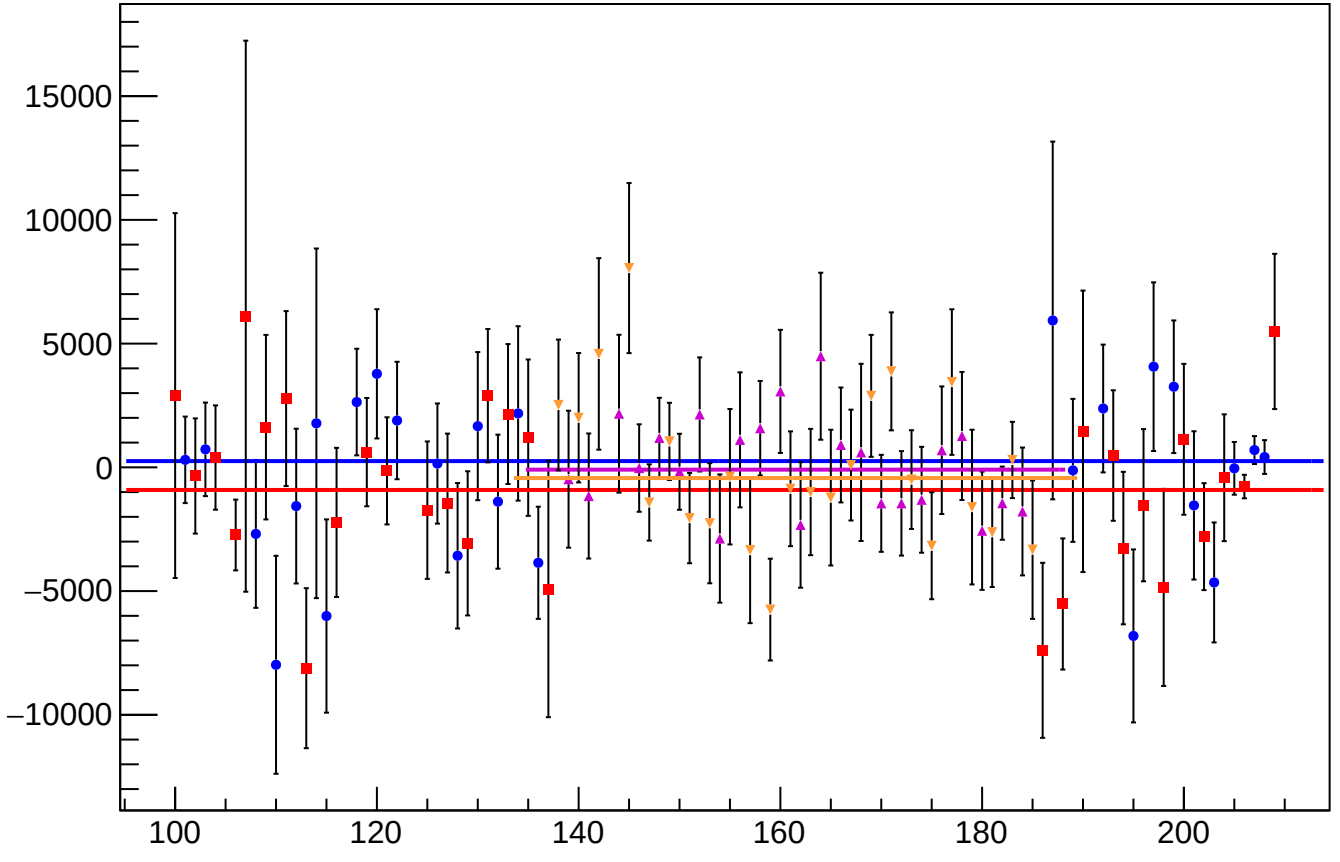
Right: 2252.904+/-0.280 χ^2/NDF: 720836.1/56

In: 2212.812+/-0.269 χ^2/NDF:549276.0/49

Out: 2219.424+/-0.264 χ^2/NDF:205423.9/53

All: 2216.171+/-0.188 χ^2/NDF: 755007.7/103

asym_us_avg_at1lr_avg_avg_reg_correction_mean vs Slug, Sign Corrected



Right In: 252.448+/-326.836 χ^2/NDF: 30.0/26

Left Out: -432.286+/-462.383 χ^2/NDF:31.3/23

Right Out: -913.671+/-349.802 χ^2/NDF: 28.9/29

Left In: -92.649+/-460.669 χ^2/NDF:12.8/22

Left: -261.837+/-326.347 χ^2/NDF: 44.3/46

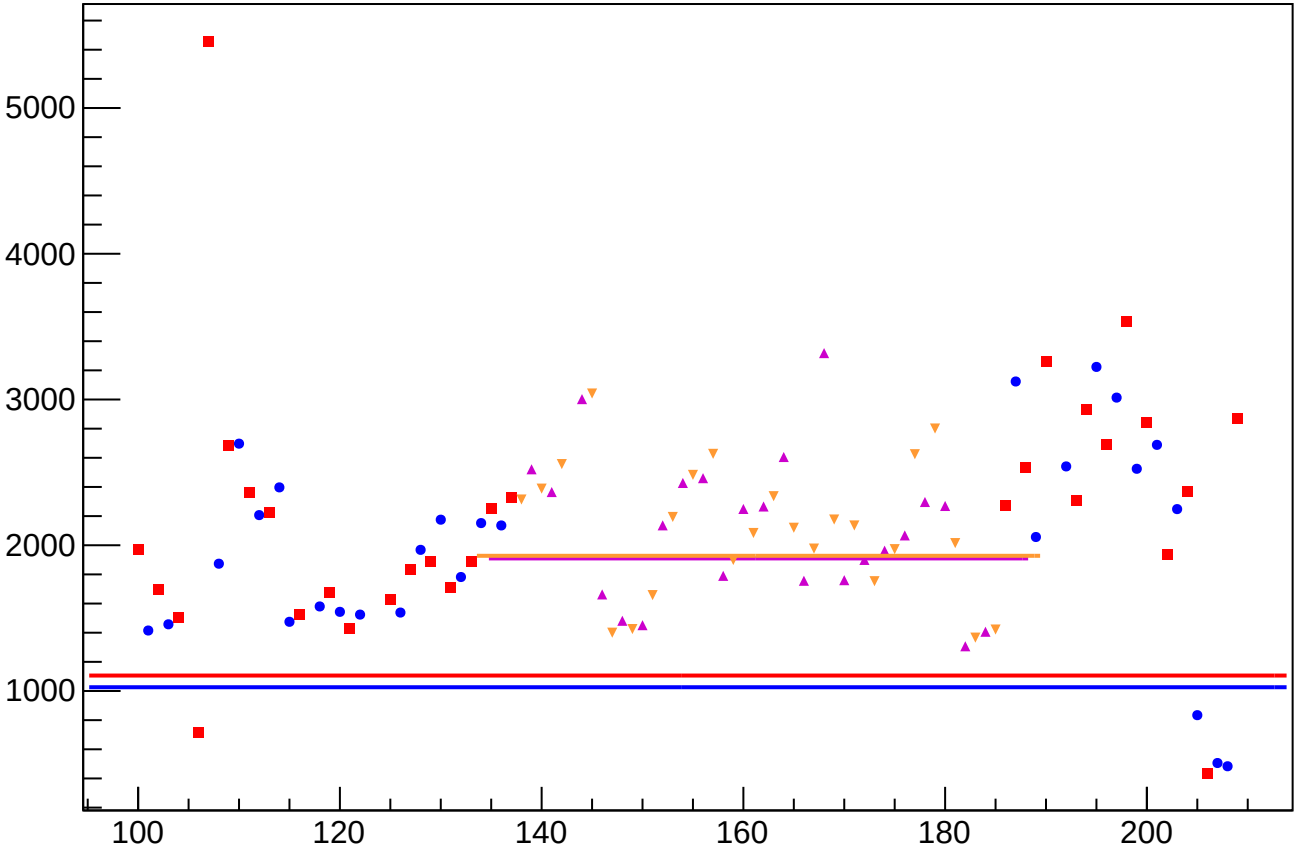
Right: -291.078+/-238.814 χ^2/NDF: 64.8/56

In: 136.901+/-266.562 χ^2/NDF:43.1/49

Out: -738.448+/-278.966 χ^2/NDF:60.9/53

All: -280.880+/-192.724 χ^2/NDF: 109.1/103

asym_us_avg_at1lr_avg_avg_reg_correction_rms vs Slug, Sign Corrected



Right In: 1025.846+/-0.231 χ^2/NDF: 10131253.9/26

Left Out: 1927.660+/-0.327 χ^2/NDF:1798383.1/23

Right Out: 1106.033+/-0.247 χ^2/NDF: 12315693.7/29

Left In: 1909.612+/-0.326 χ^2/NDF:1942264.8/22

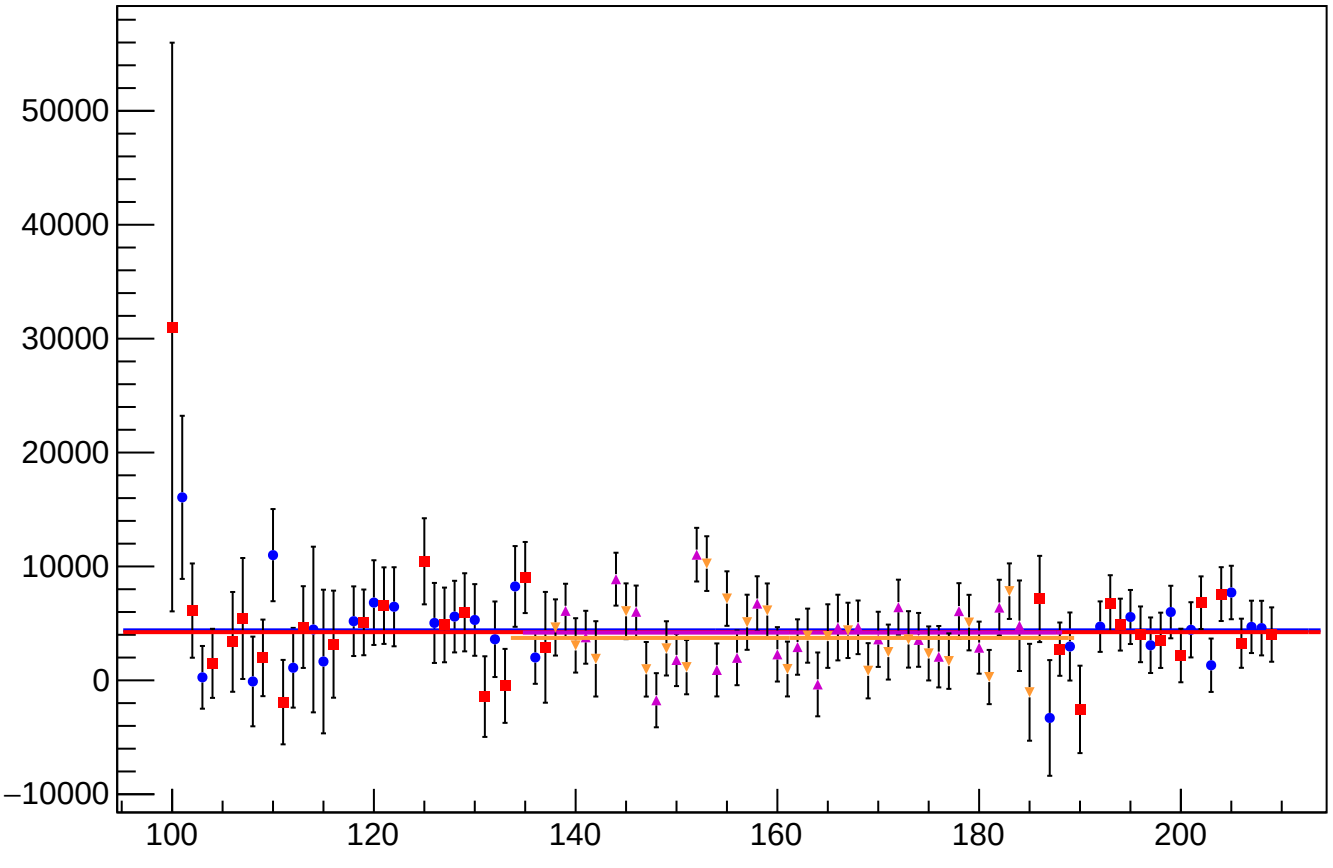
Left: 1918.603+/-0.231 χ^2/NDF: 3742177.0/46

Right: 1063.221+/-0.169 χ^2/NDF: 22503060.0/56

In: 1321.753+/-0.188 χ^2/NDF:16969769.9/49

Out: 1405.103+/-0.197 χ^2/NDF:18130454.1/53

All: 1361.534+/-0.136 χ^2/NDF: 35193553.5/1



Right In: 4389.062+/-568.807 χ^2/NDF: 20.6/26

Left Out: 3723.433+/-507.155 χ^2/NDF:25.4/23

Right Out: 4231.334+/-553.264 χ^2/NDF: 25.8/29

Left In: 4196.060+/-510.578 χ^2/NDF:32.1/22

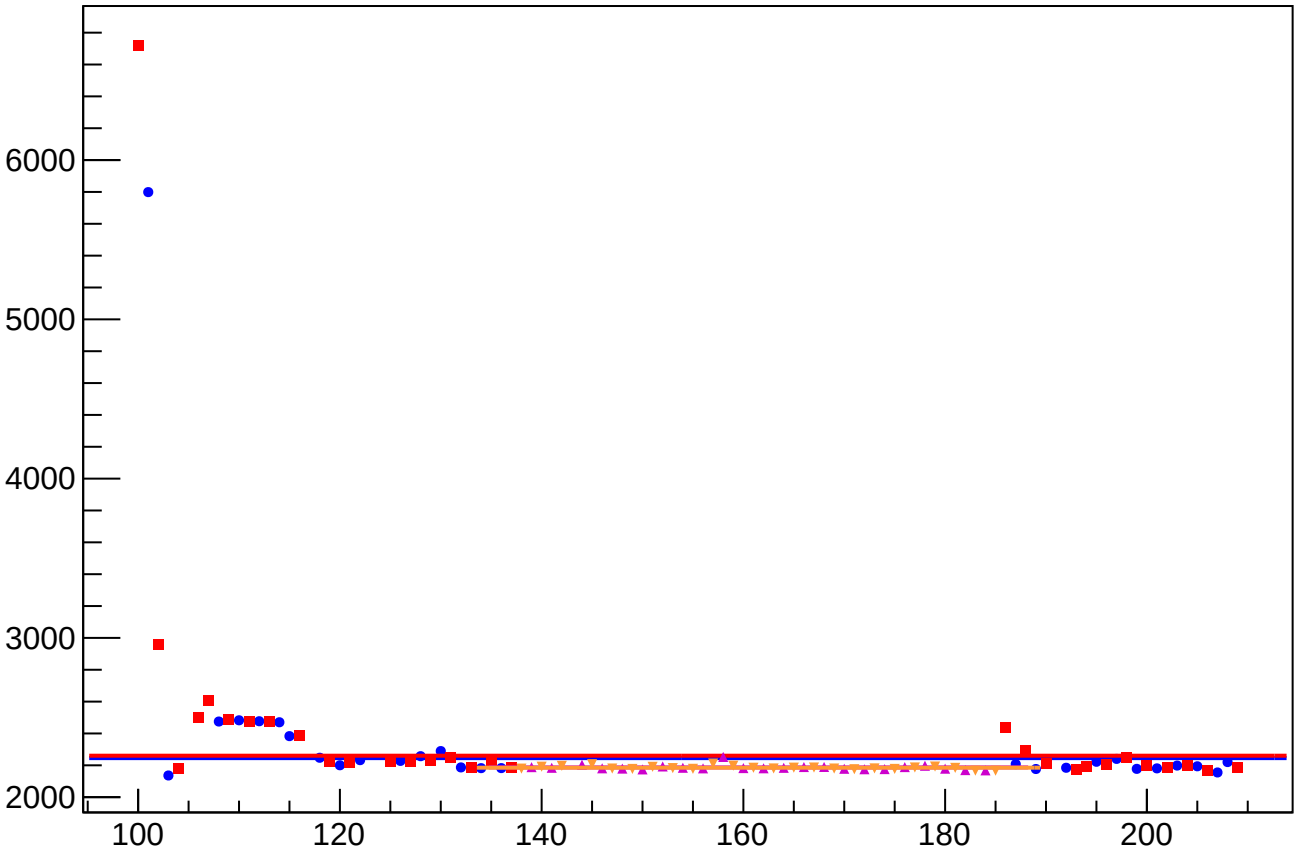
Left: 3958.157+/-359.817 χ^2/NDF: 58.0/46

Right: 4308.013+/-396.598 χ^2/NDF: 46.4/56

In: 4282.179+/-379.957 χ^2/NDF:52.8/49

Out: 3955.341+/-373.853 χ^2/NDF:51.7/53

All: 4116.113+/-266.486 χ^2/NDF: 104.8/103



Right In: 2245.163+/-0.402 χ^2/NDF: 535530.2/26

Left Out: 2185.133+/-0.359 χ^2/NDF:815.1/23

Right Out: 2260.367+/-0.391 χ^2/NDF: 185063.3/29

Left In: 2186.745+/-0.361 χ^2/NDF:2063.9/22

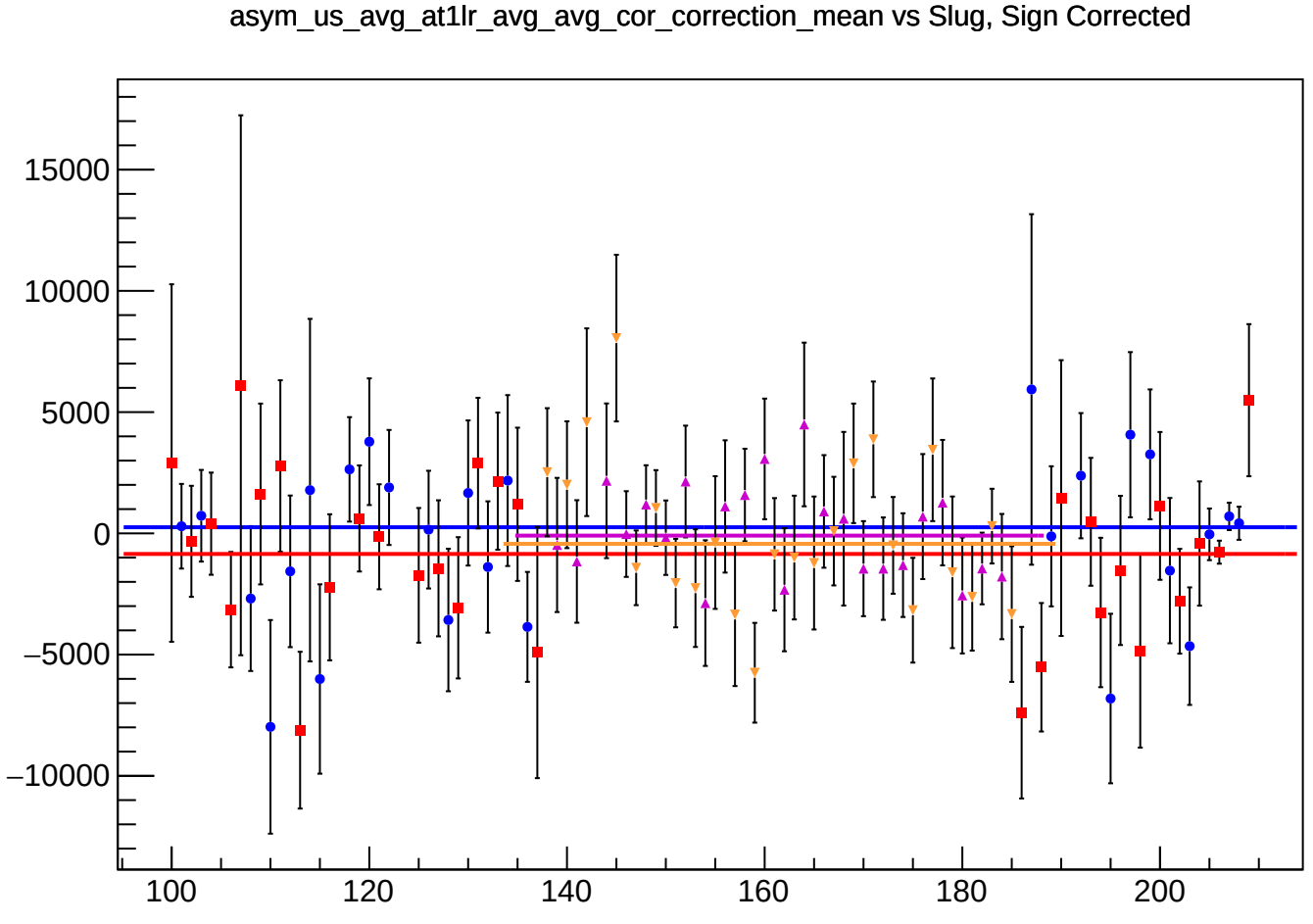
Left: 2185.934+/-0.254 χ^2/NDF: 2889.0/46

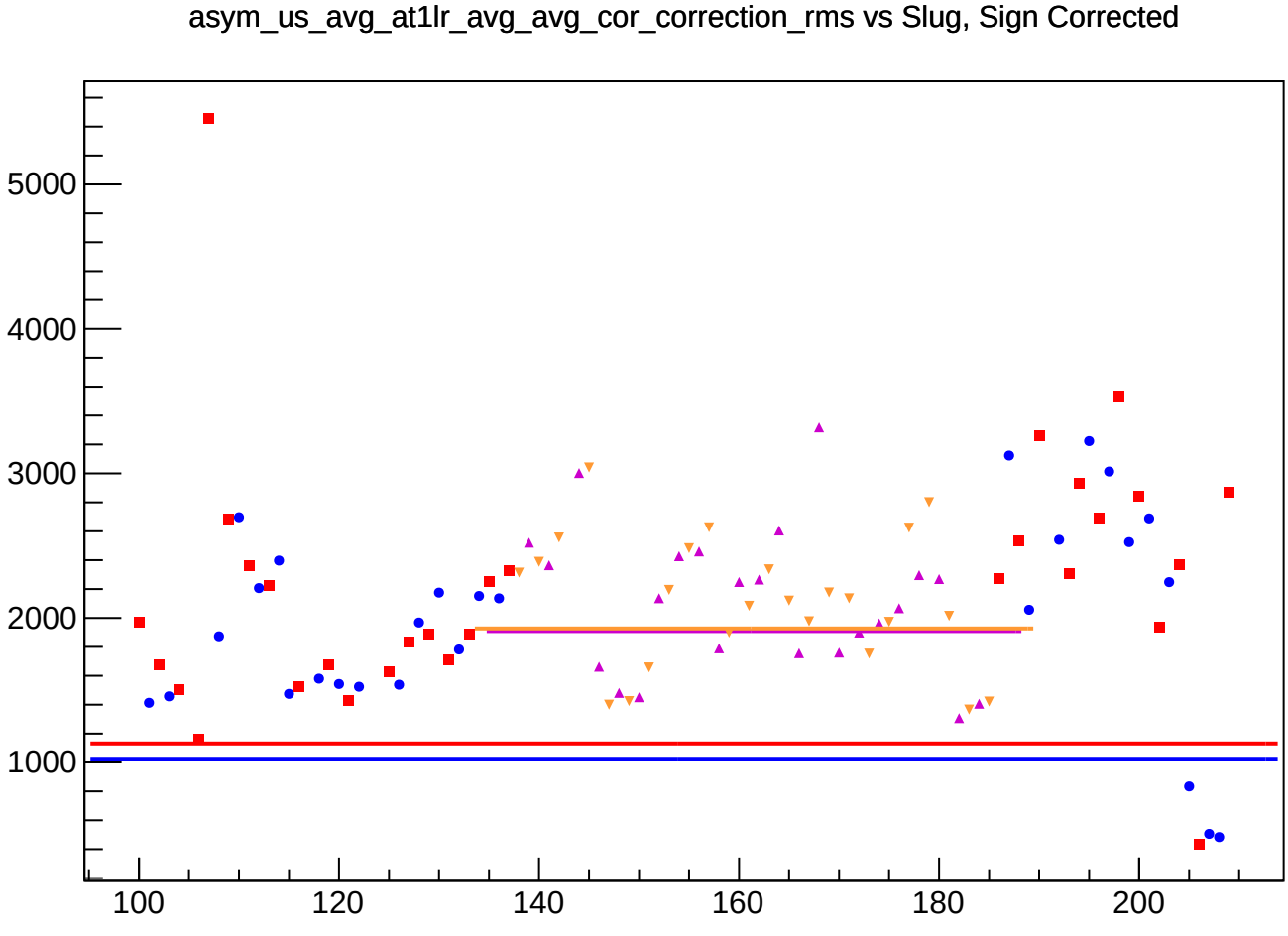
Right: 2252.975+/-0.280 χ^2/NDF: 721327.9/56

In: 2212.812+/-0.269 χ^2/NDF:549276.4/49

Out: 2219.485+/-0.264 χ^2/NDF:205974.7/53

All: 2216.202+/-0.188 χ^2/NDF: 755564.5/103


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
Right In: 252.277+/-326.814 χ²/NDF: 30.0/26
Left Out: -432.320+/-462.383 χ²/NDF:31.3/23
Right Out: -849.422+/-356.556 χ²/NDF: 28.1/29
Left In: -92.604+/-460.670 χ²/NDF:12.8/22
Left: -261.832+/-326.347 χ²/NDF: 44.3/46
Right: -250.715+/-240.922 χ²/NDF: 63.3/56
In: 136.813+/-266.550 χ²/NDF:43.1/49
Out: -693.885+/-282.356 χ²/NDF:59.9/53
All: -254.636+/-193.826 χ²/NDF: 107.6/103



Right In: 1025.789+/-0.231 χ^2/NDF: 10130995.2/26

Left Out: 1927.659+/-0.327 χ^2/NDF:1798407.2/23

Right Out: 1131.736+/-0.252 χ^2/NDF: 12153014.2/29

Left In: 1909.618+/-0.326 χ^2/NDF:1942286.8/22

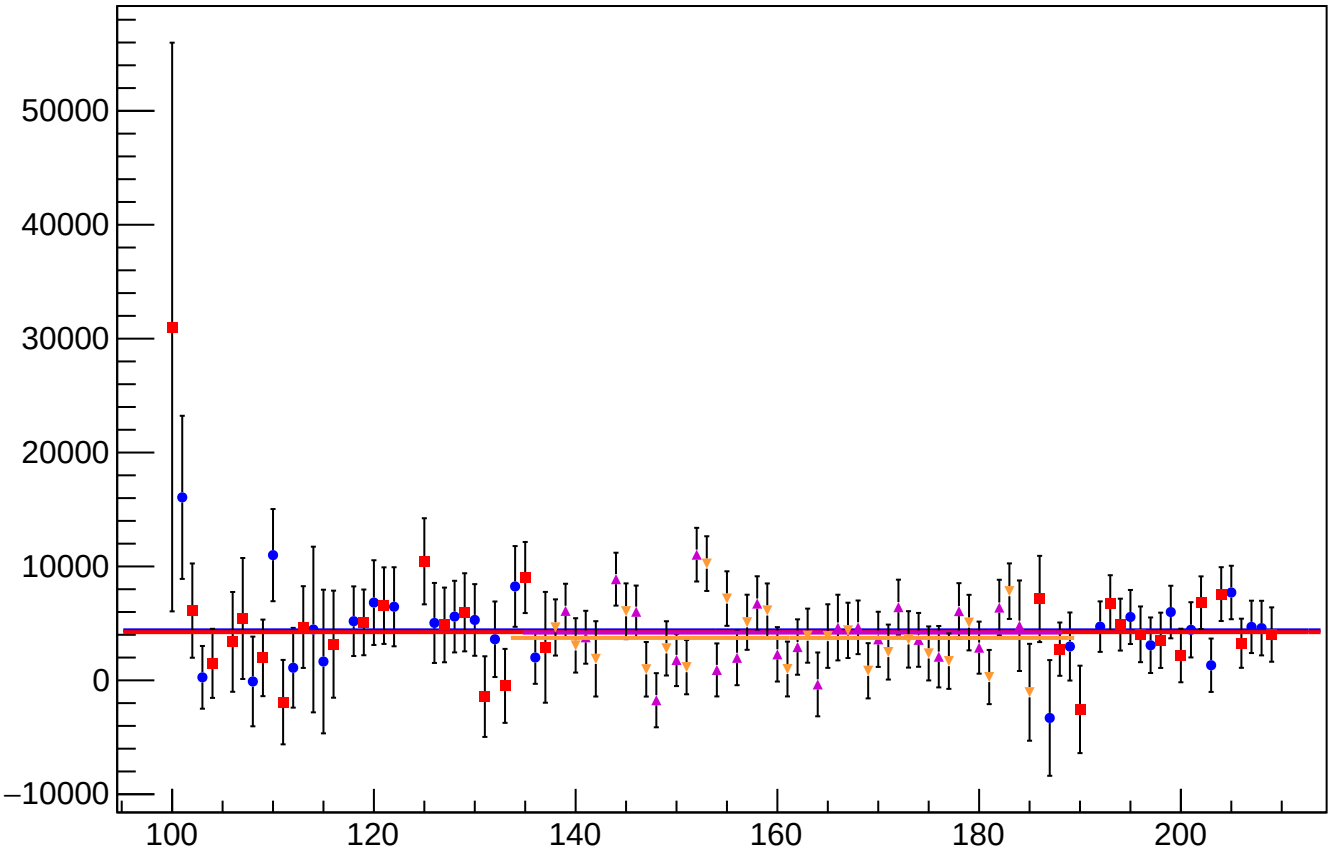
Left: 1918.605+/-0.231 χ^2/NDF: 3742222.0/46

Right: 1074.160+/-0.170 χ^2/NDF: 22379973.5/56

In: 1321.689+/-0.188 χ^2/NDF:16970421.6/49

Out: 1428.534+/-0.200 χ^2/NDF:17667682.1/53

All: 1372.038+/-0.137 χ^2/NDF: 34789533.9/1



Right In: 4389.062+/-568.807 χ^2/NDF: 20.6/26

Left Out: 3723.433+/-507.155 χ^2/NDF:25.4/23

Right Out: 4231.334+/-553.264 χ^2/NDF: 25.8/29

Left In: 4196.060+/-510.578 χ^2/NDF:32.1/22

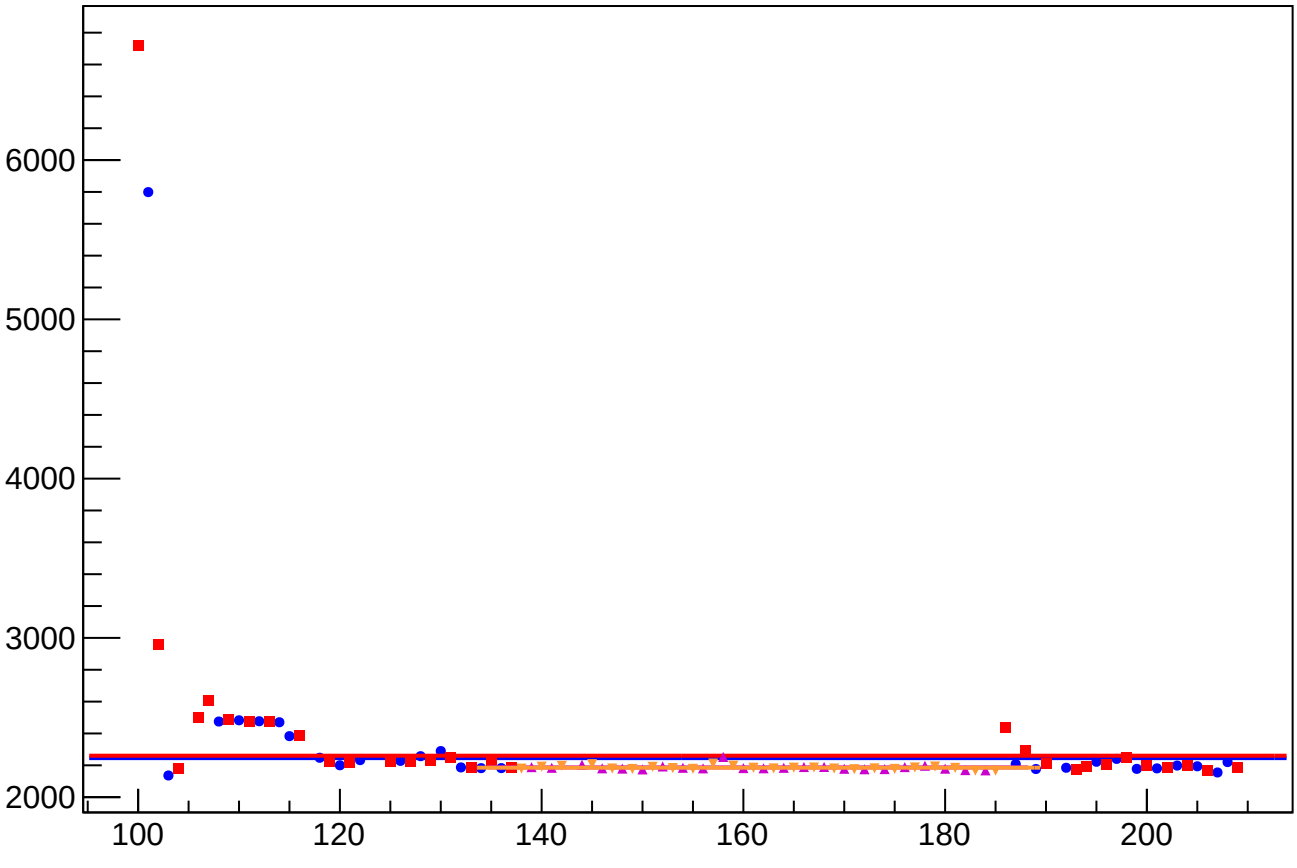
Left: 3958.157+/-359.817 χ^2/NDF: 58.0/46

Right: 4308.013+/-396.598 χ^2/NDF: 46.4/56

In: 4282.179+/-379.957 χ^2/NDF:52.8/49

Out: 3955.341+/-373.853 χ^2/NDF:51.7/53

All: 4116.113+/-266.486 χ^2/NDF: 104.8/103



Right In: 2245.163+/-0.402 χ^2/NDF: 535530.2/26

Left Out: 2185.133+/-0.359 χ^2/NDF:815.1/23

Right Out: 2260.367+/-0.391 χ^2/NDF: 185063.3/29

Left In: 2186.745+/-0.361 χ^2/NDF:2063.9/22

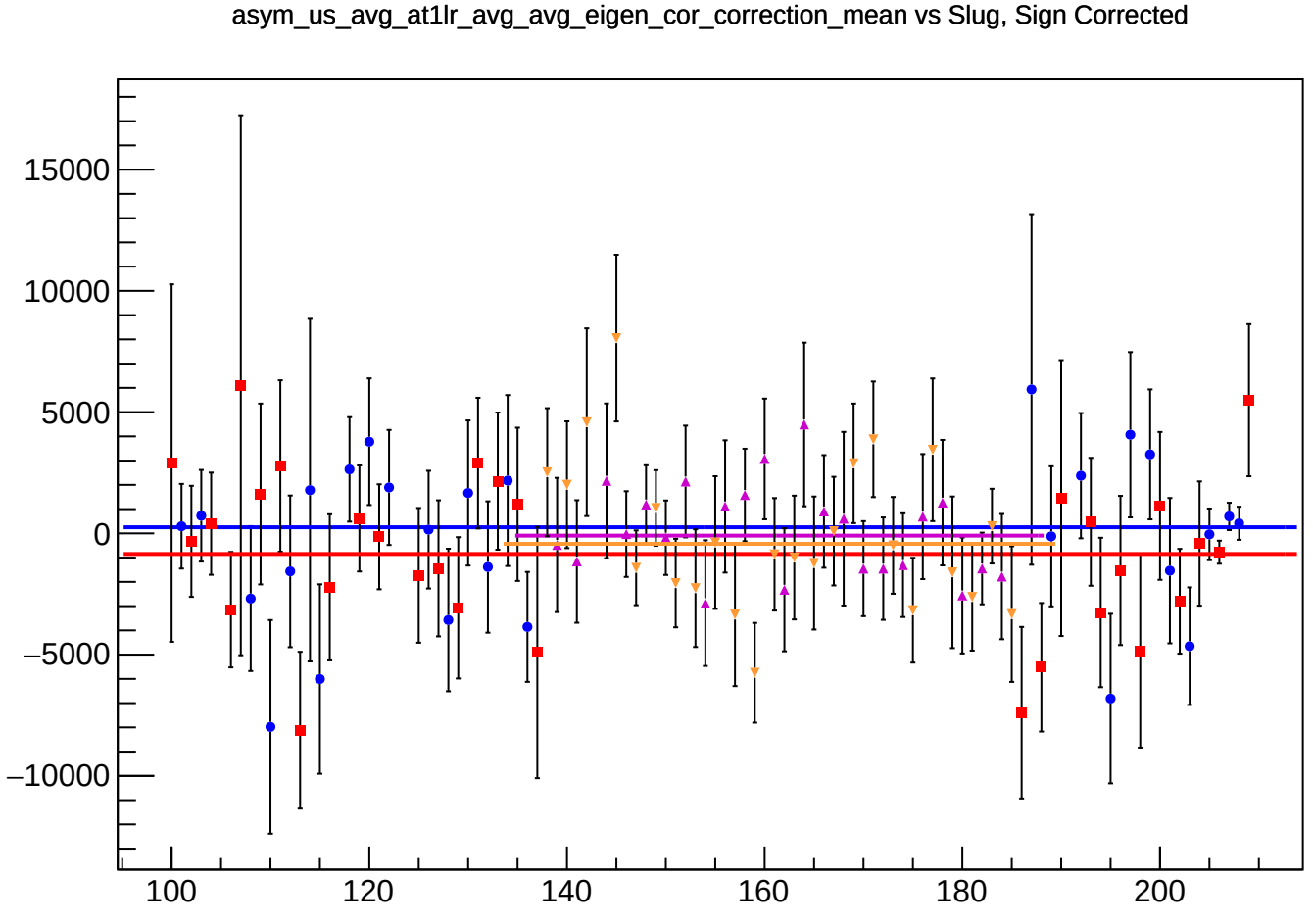
Left: 2185.934+/-0.254 χ^2/NDF: 2889.0/46

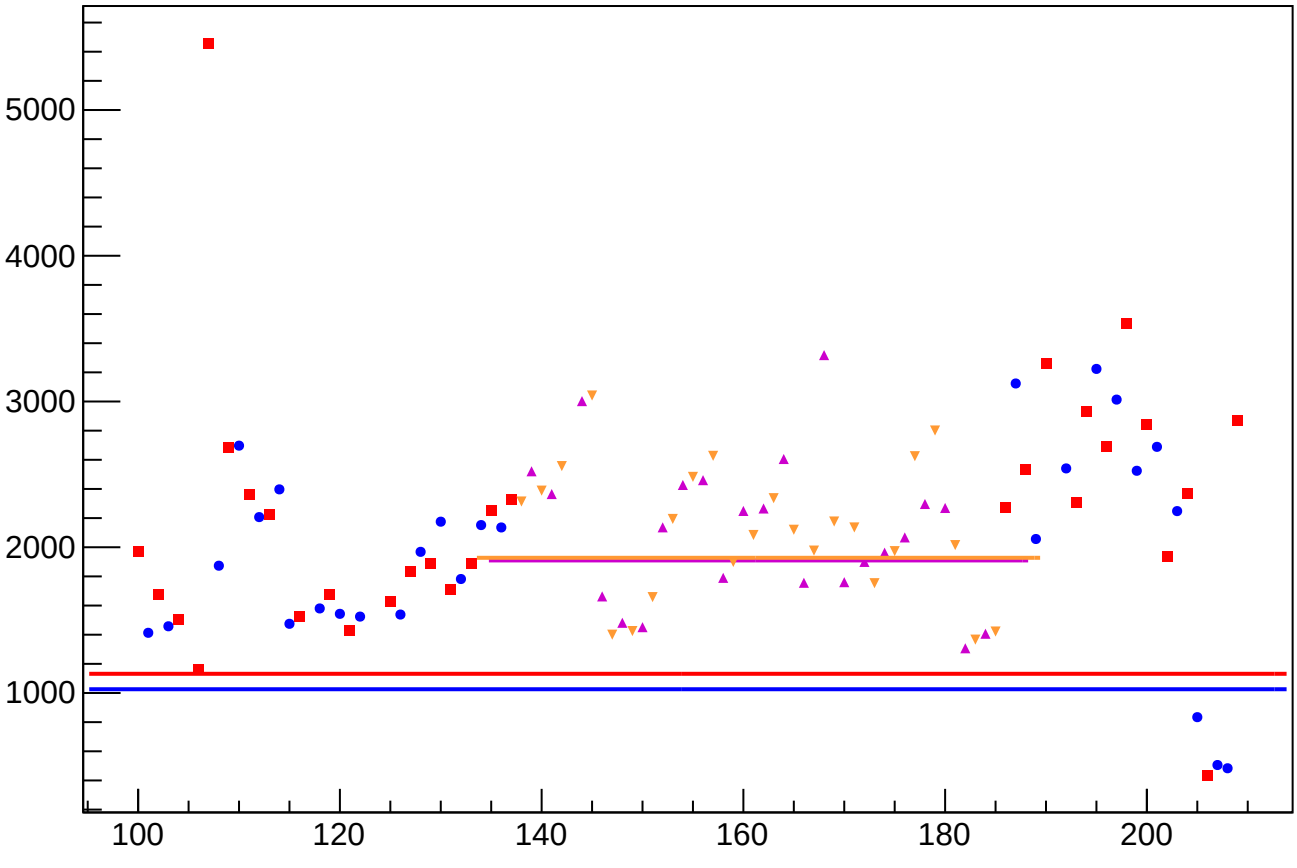
Right: 2252.975+/-0.280 χ^2/NDF: 721327.9/56

In: 2212.812+/-0.269 χ^2/NDF:549276.4/49

Out: 2219.485+/-0.264 χ^2/NDF:205974.7/53

All: 2216.202+/-0.188 χ^2/NDF: 755564.5/103


asym_us_avg_at1lr_avg_avg_eigen_cor_correction_mean vs Slug, Sign Corrected
15000
10000
5000
0
−5000
−10000
100
120
140
160
180
200
Right In: 252.277+/-326.814 χ²/NDF: 30.0/26
Left Out: -432.320+/-462.383 χ²/NDF:31.3/23
Right Out: -849.422+/-356.556 χ²/NDF: 28.1/29
Left In: -92.604+/-460.670 χ²/NDF:12.8/22
Left: -261.832+/-326.347 χ²/NDF: 44.3/46
Right: -250.715+/-240.922 χ²/NDF: 63.3/56
In: 136.813+/-266.550 χ²/NDF:43.1/49
Out: -693.885+/-282.356 χ²/NDF:59.9/53
All: -254.636+/-193.826 χ²/NDF: 107.6/103



Right In: 1025.789+/-0.231 χ^2/NDF: 10130995.2/26

Left Out: 1927.659+/-0.327 χ^2/NDF:1798407.2/23

Right Out: 1131.736+/-0.252 χ^2/NDF: 12153014.2/29

Left In: 1909.618+/-0.326 χ^2/NDF:1942286.8/22

Left: 1918.605+/-0.231 χ^2/NDF: 3742222.0/46

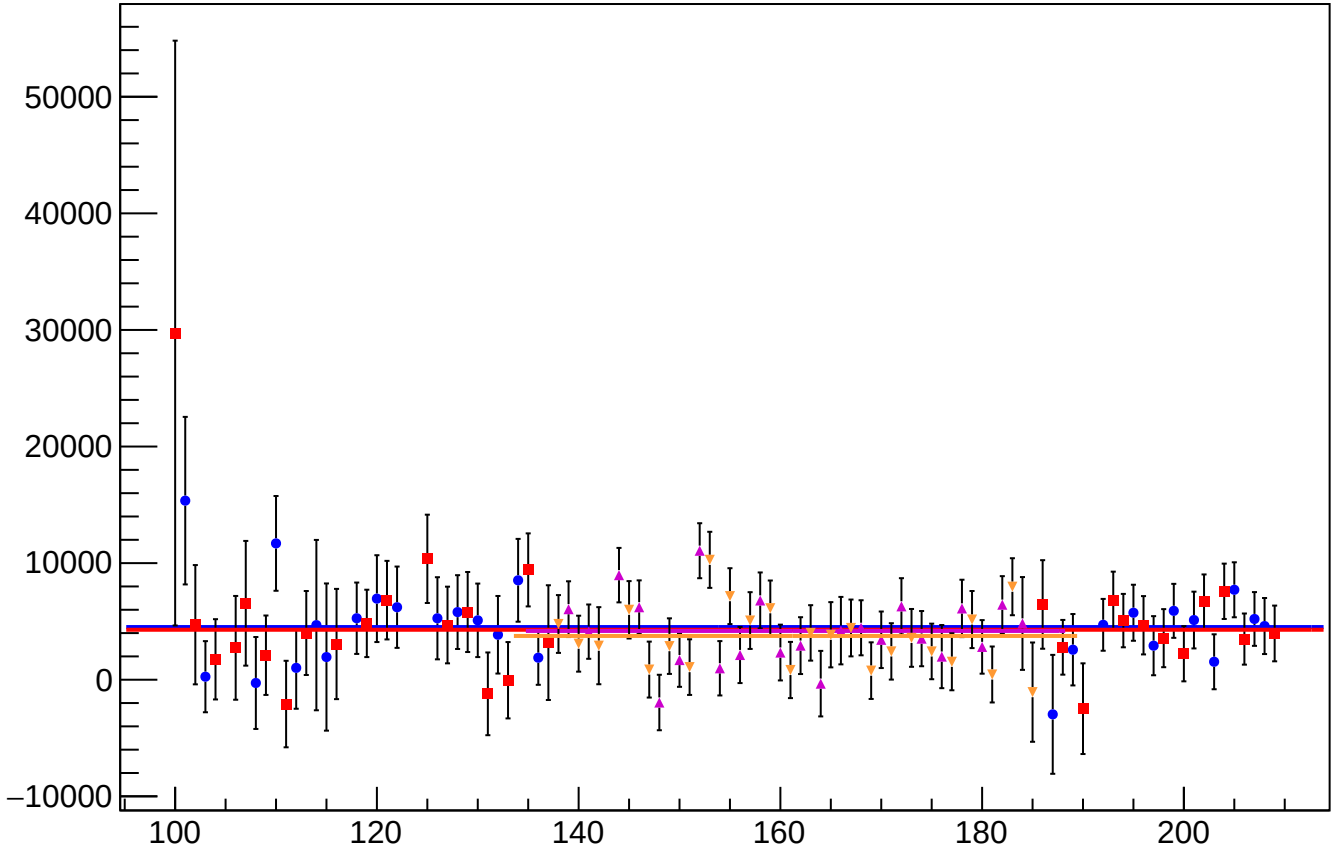
Right: 1074.160+/-0.170 χ^2/NDF: 22379973.5/56

In: 1321.689+/-0.188 χ^2/NDF:16970421.6/49

Out: 1428.534+/-0.200 χ^2/NDF:17667682.1/53

All: 1372.038+/-0.137 χ^2/NDF: 34789533.9/1

dit_asym_us_avg_at1lr_avg_avg_mean vs Slug, Sign Corrected



Right In: 4517.292+/-574.816 χ^2/NDF: 20.7/26

Left Out: 3754.065+/-508.568 χ^2/NDF:25.7/23

Right Out: 4285.725+/-561.346 χ^2/NDF: 24.5/29

Left In: 4184.214+/-511.864 χ^2/NDF:32.7/22

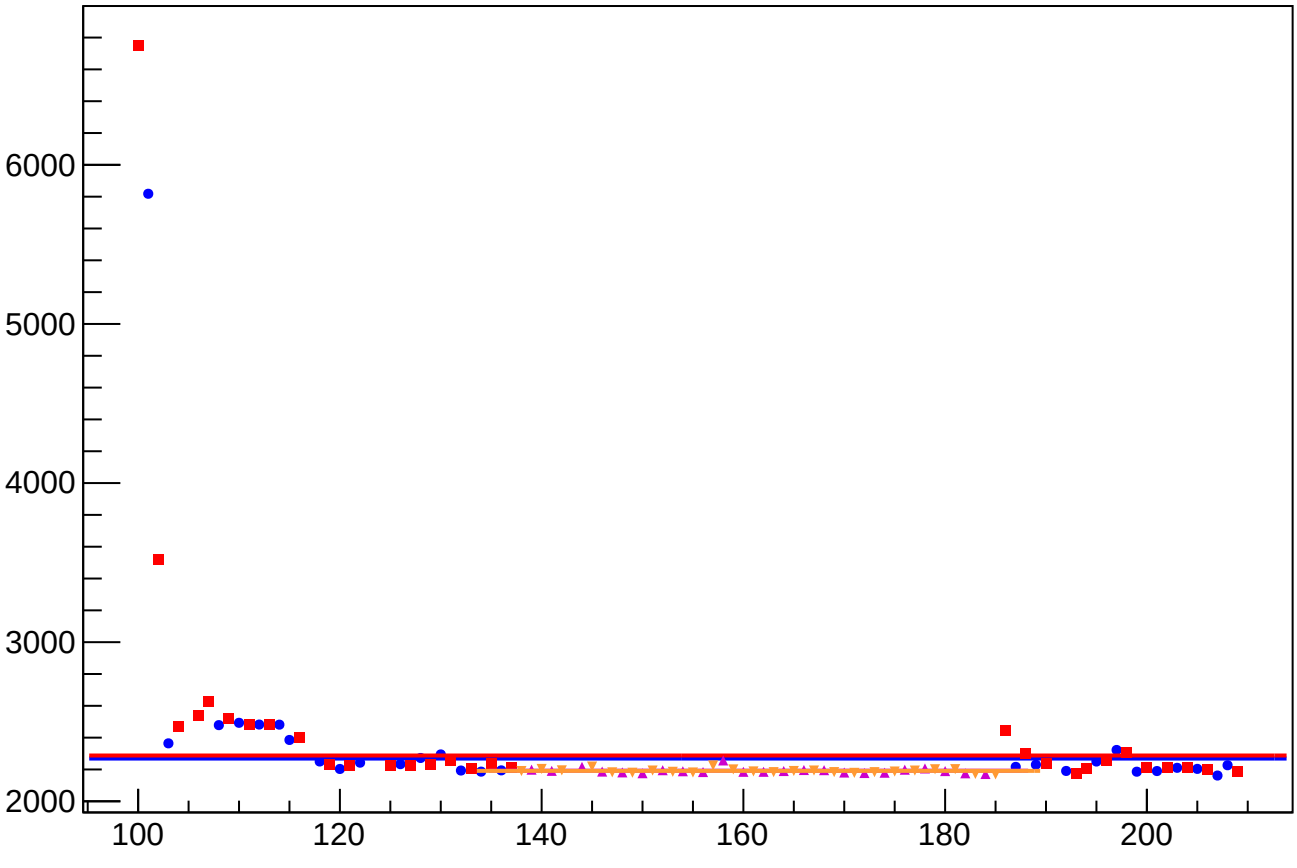
Left: 3967.750+/-360.772 χ^2/NDF: 58.7/46

Right: 4398.764+/-401.609 χ^2/NDF: 45.3/56

In: 4331.522+/-382.269 χ^2/NDF:53.6/49

Out: 3993.733+/-376.893 χ^2/NDF:50.6/53

All: 4160.236+/-268.384 χ^2/NDF: 104.6/103



Right In: 2268.493+/-0.406 χ^2/NDF: 533218.3/26

Left Out: 2191.147+/-0.360 χ^2/NDF:1228.9/23

Right Out: 2287.713+/-0.397 χ^2/NDF: 250755.7/29

Left In: 2192.201+/-0.362 χ^2/NDF:2281.8/22

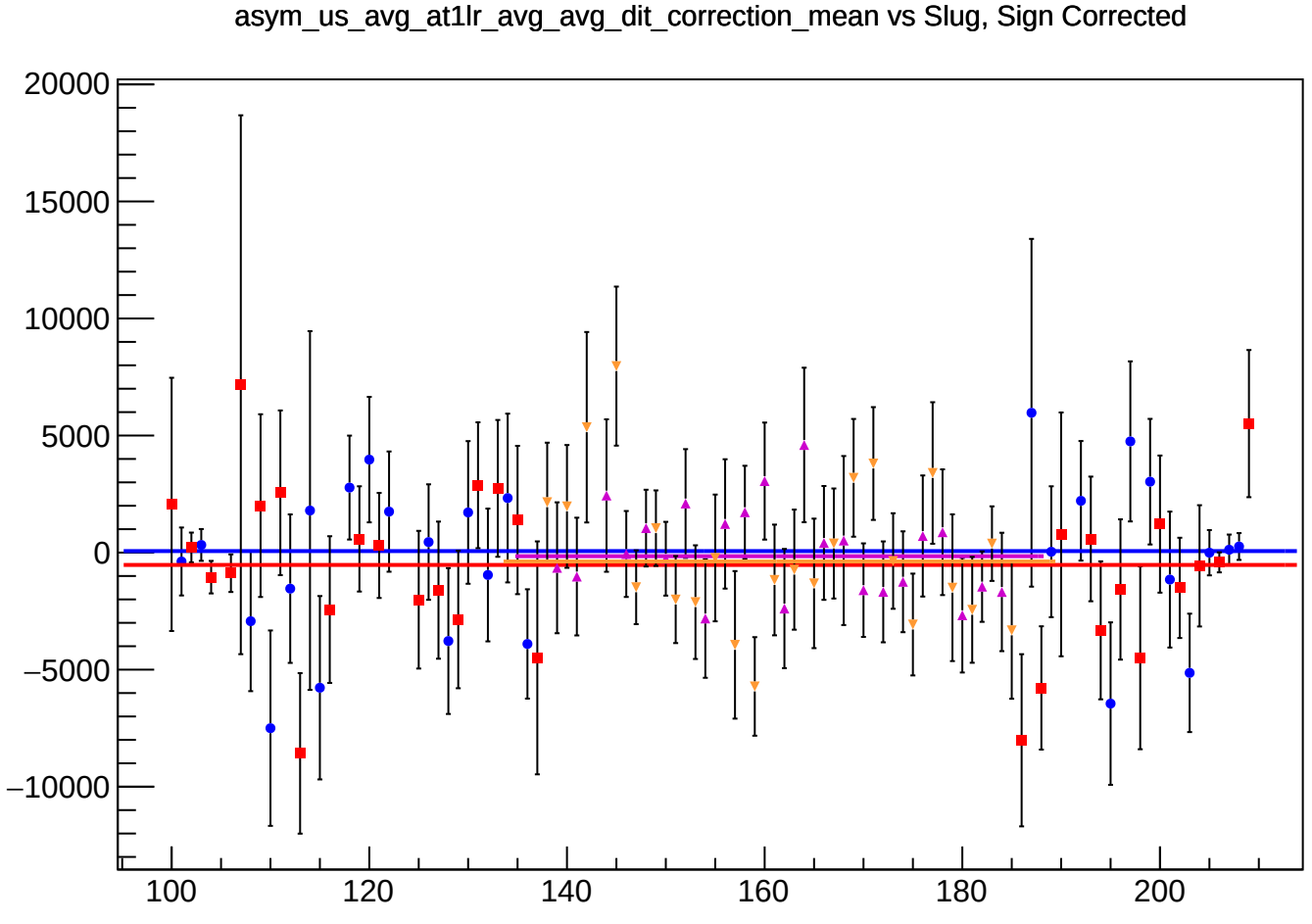
Left: 2191.670+/-0.255 χ^2/NDF: 3515.0/46

Right: 2278.331+/-0.284 χ^2/NDF: 785118.5/56

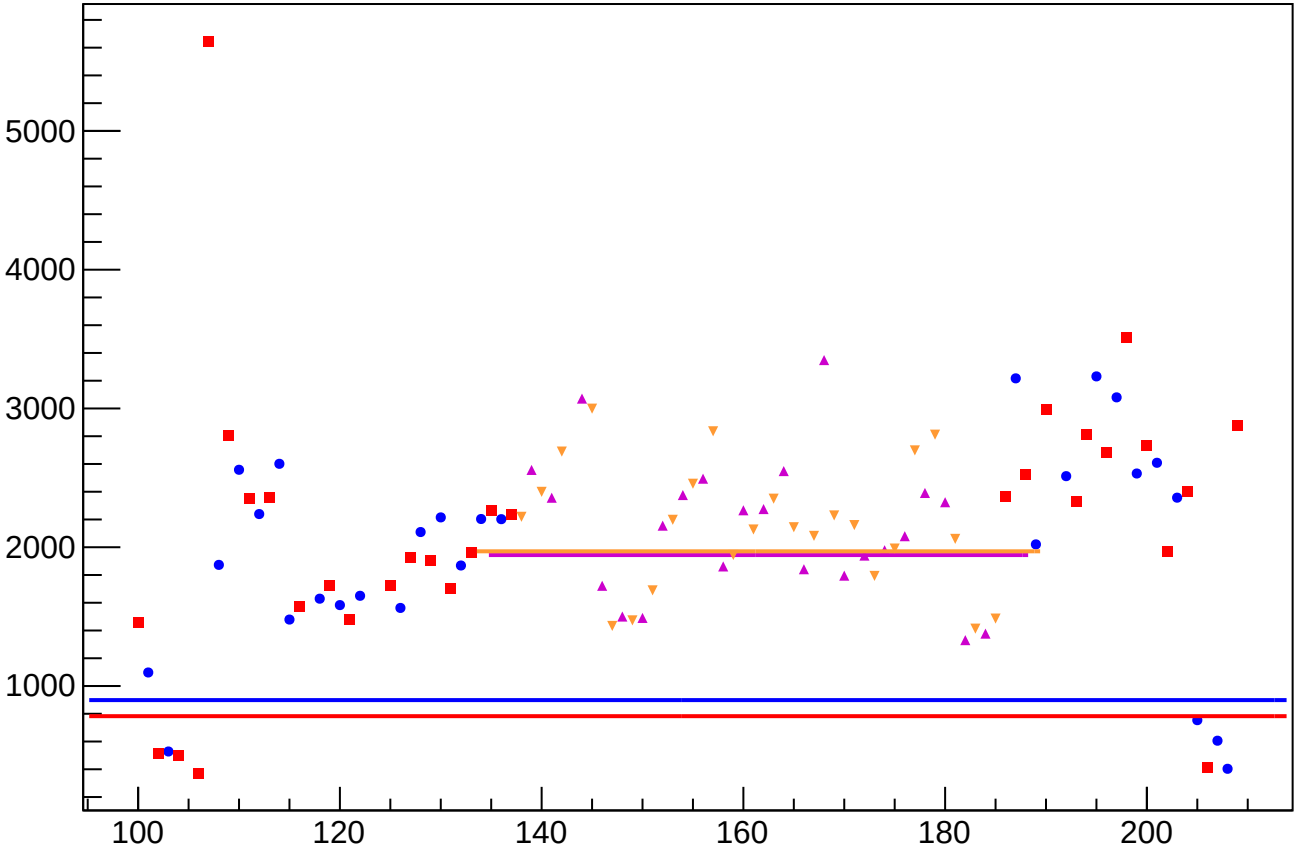
In: 2225.942+/-0.270 χ^2/NDF:555150.0/49

Out: 2234.678+/-0.267 χ^2/NDF:284490.1/53

All: 2230.372+/-0.190 χ^2/NDF: 840169.7/103


asym_us_avg_at1lr_avg_avg_dit_correction_mean vs Slug, Sign Corrected
20000
15000
10000
5000
0
−5000
−10000
100
120
140
160
180
200
Right In: 64.549+/-293.190 χ²/NDF: 28.9/26
Left Out: -380.488+/-471.481 χ²/NDF:30.8/23
Right Out: -527.800+/-263.967 χ²/NDF: 29.9/29
Left In: -154.512+/-467.999 χ²/NDF:12.8/22
Left: -266.662+/-332.150 χ²/NDF: 43.7/46
Right: -262.610+/-196.173 χ²/NDF: 61.0/56
In: 2.806+/-248.460 χ²/NDF:41.8/49
Out: -492.645+/-230.326 χ²/NDF:60.7/53
All: -263.658+/-168.912 χ²/NDF: 104.7/103

asym_us_avg_at1lr_avg_avg_dit_correction_rms vs Slug, Sign Corrected



Right In: 898.460+/-0.207 χ^2/NDF: 11199948.3/26

Left Out: 1970.655+/-0.333 χ^2/NDF:1696659.6/23

Right Out: 782.675+/-0.187 χ^2/NDF: 15286380.9/29

Left In: 1943.628+/-0.331 χ^2/NDF:1882933.7/22

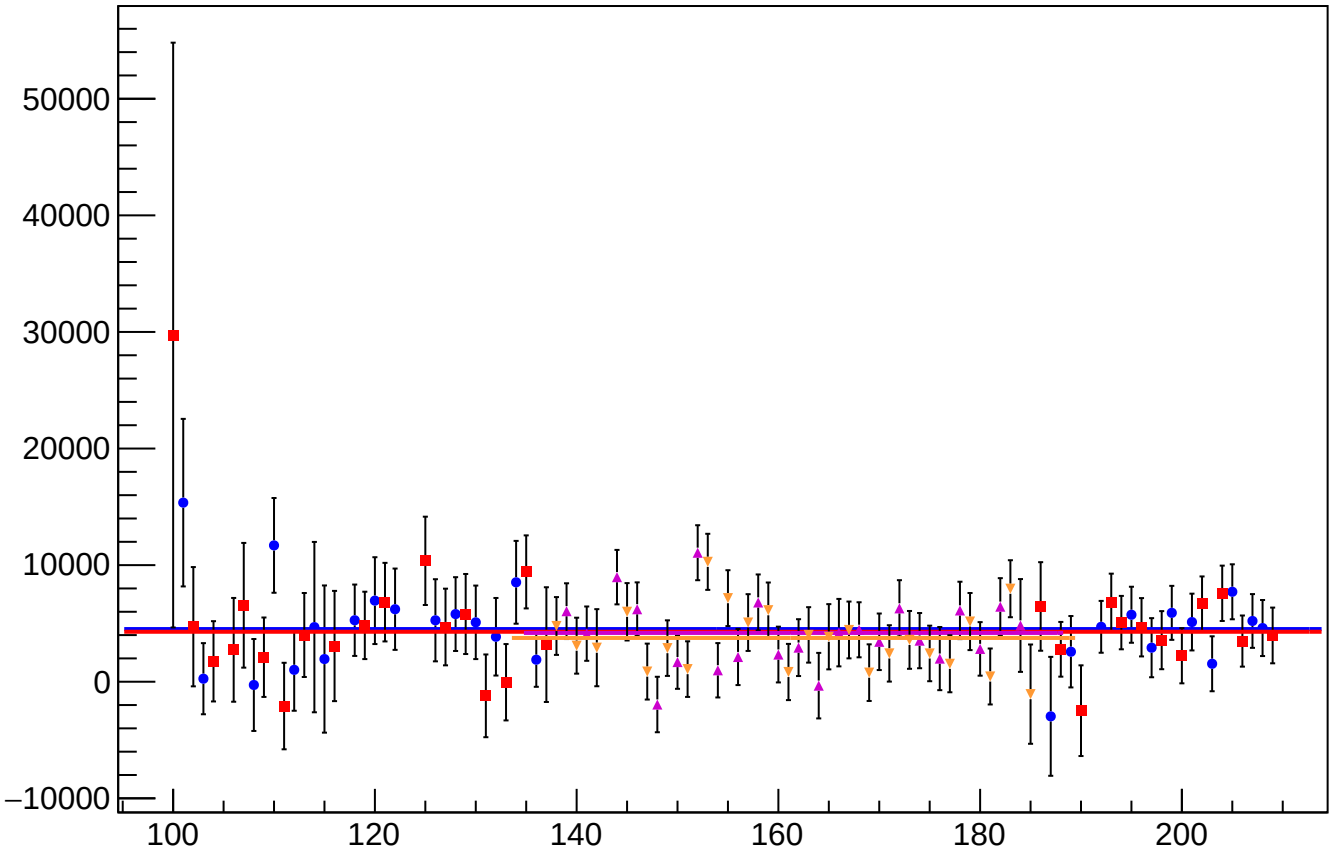
Left: 1957.041+/-0.235 χ^2/NDF: 3582903.8/46

Right: 834.511+/-0.139 χ^2/NDF: 26658601.2/56

In: 1193.043+/-0.176 χ^2/NDF:20246381.0/49

Out: 1066.183+/-0.163 χ^2/NDF:26650366.7/53

All: 1124.815+/-0.119 χ^2/NDF: 47177165.4/1



Right In: 4517.290+/-574.815 χ^2/NDF: 20.7/26

Left Out: 3754.064+/-508.568 χ^2/NDF:25.7/23

Right Out: 4285.721+/-561.346 χ^2/NDF: 24.5/29

Left In: 4184.214+/-511.864 χ^2/NDF:32.7/22

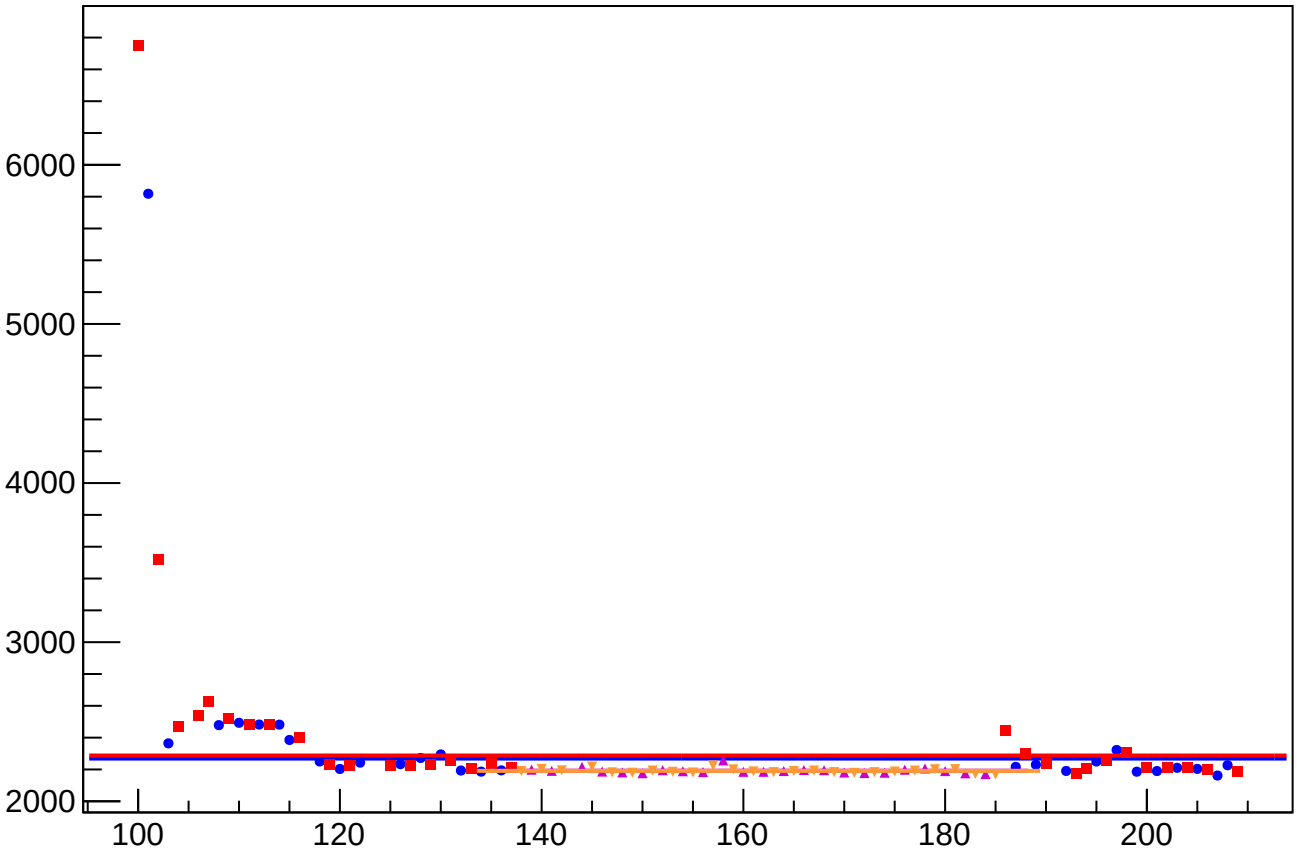
Left: 3967.750+/-360.772 χ^2/NDF: 58.7/46

Right: 4398.761+/-401.609 χ^2/NDF: 45.3/56

In: 4331.522+/-382.269 χ^2/NDF:53.6/49

Out: 3993.730+/-376.893 χ^2/NDF:50.6/53

All: 4160.234+/-268.384 χ^2/NDF: 104.6/103



Right In: 2268.493+/-0.406 χ^2/NDF: 533218.2/26

Left Out: 2191.147+/-0.360 χ^2/NDF:1228.9/23

Right Out: 2287.712+/-0.397 χ^2/NDF: 250754.4/29

Left In: 2192.201+/-0.362 χ^2/NDF:2281.8/22

Left: 2191.670+/-0.255 χ^2/NDF: 3515.0/46

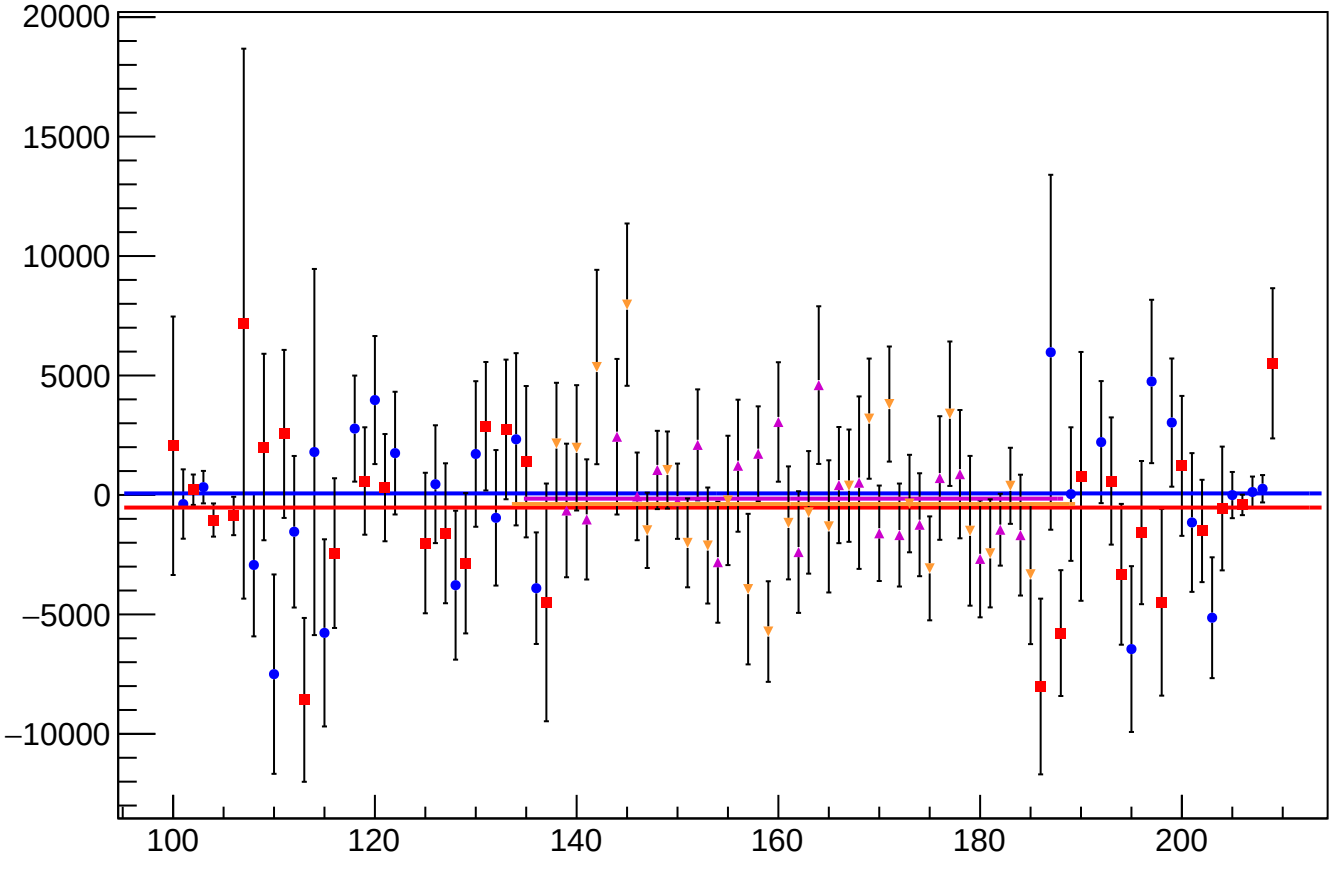
Right: 2278.330+/-0.284 χ^2/NDF: 785117.1/56

In: 2225.942+/-0.270 χ^2/NDF:555149.8/49

Out: 2234.678+/-0.267 χ^2/NDF:284488.6/53

All: 2230.372+/-0.190 χ^2/NDF: 840168.0/103

asym_us_avg_at1lr_avg_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: 64.545+/-293.190 χ^2/NDF: 28.9/26

Left Out: -380.492+/-471.482 χ^2/NDF:30.8/23

Right Out: -527.797+/-263.968 χ^2/NDF: 29.9/29

Left In: -154.512+/-468.000 χ^2/NDF:12.8/22

Left: -266.664+/-332.150 χ^2/NDF: 43.7/46

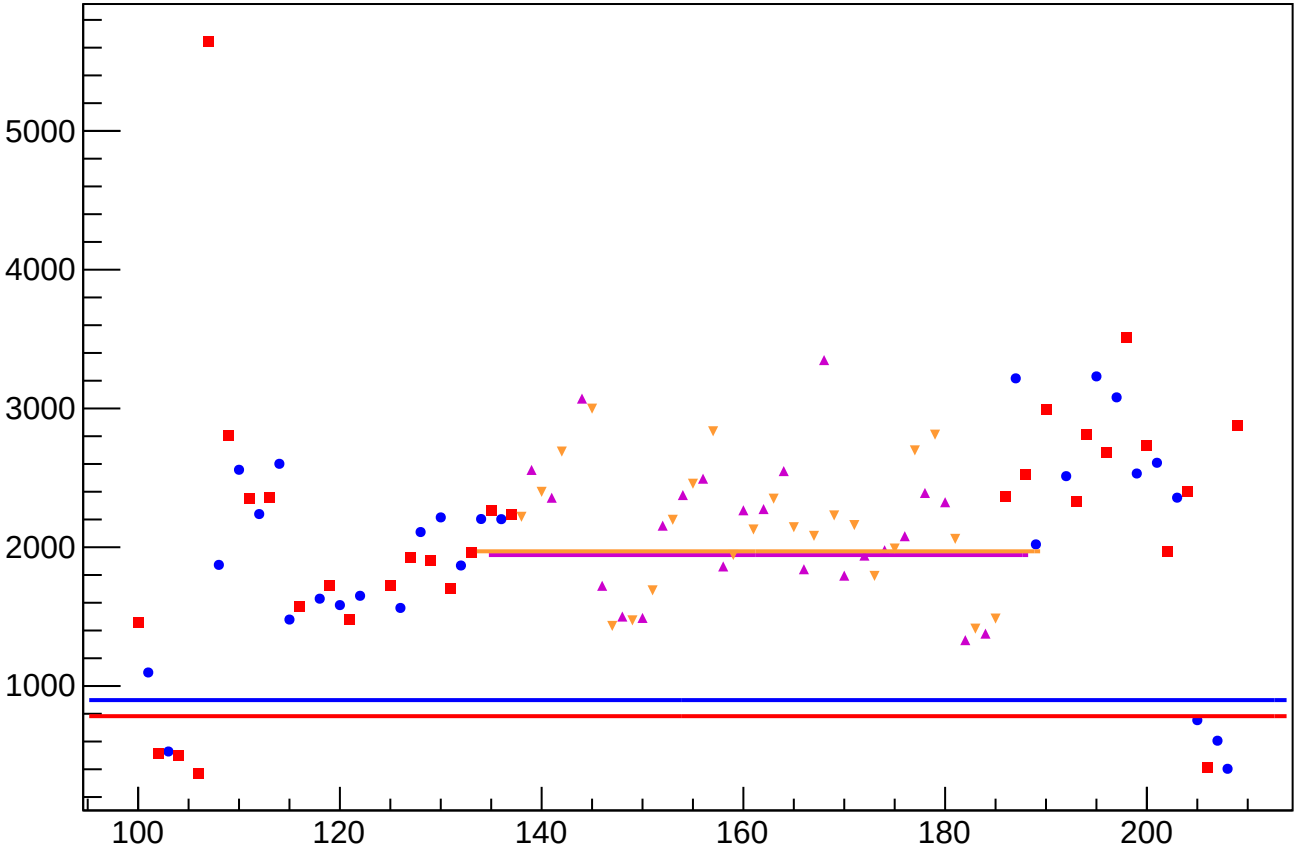
Right: -262.609+/-196.174 χ^2/NDF: 61.0/56

In: 2.803+/-248.460 χ^2/NDF:41.8/49

Out: -492.643+/-230.326 χ^2/NDF:60.7/53

All: -263.658+/-168.913 χ^2/NDF: 104.7/103

asym_us_avg_at1lr_avg_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 898.460+/-0.207 χ^2/NDF: 11199964.9/26

Left Out: 1970.659+/-0.333 χ^2/NDF:1696658.8/23

Right Out: 782.680+/-0.187 χ^2/NDF: 15286313.0/29

Left In: 1943.631+/-0.331 χ^2/NDF:1882931.8/22

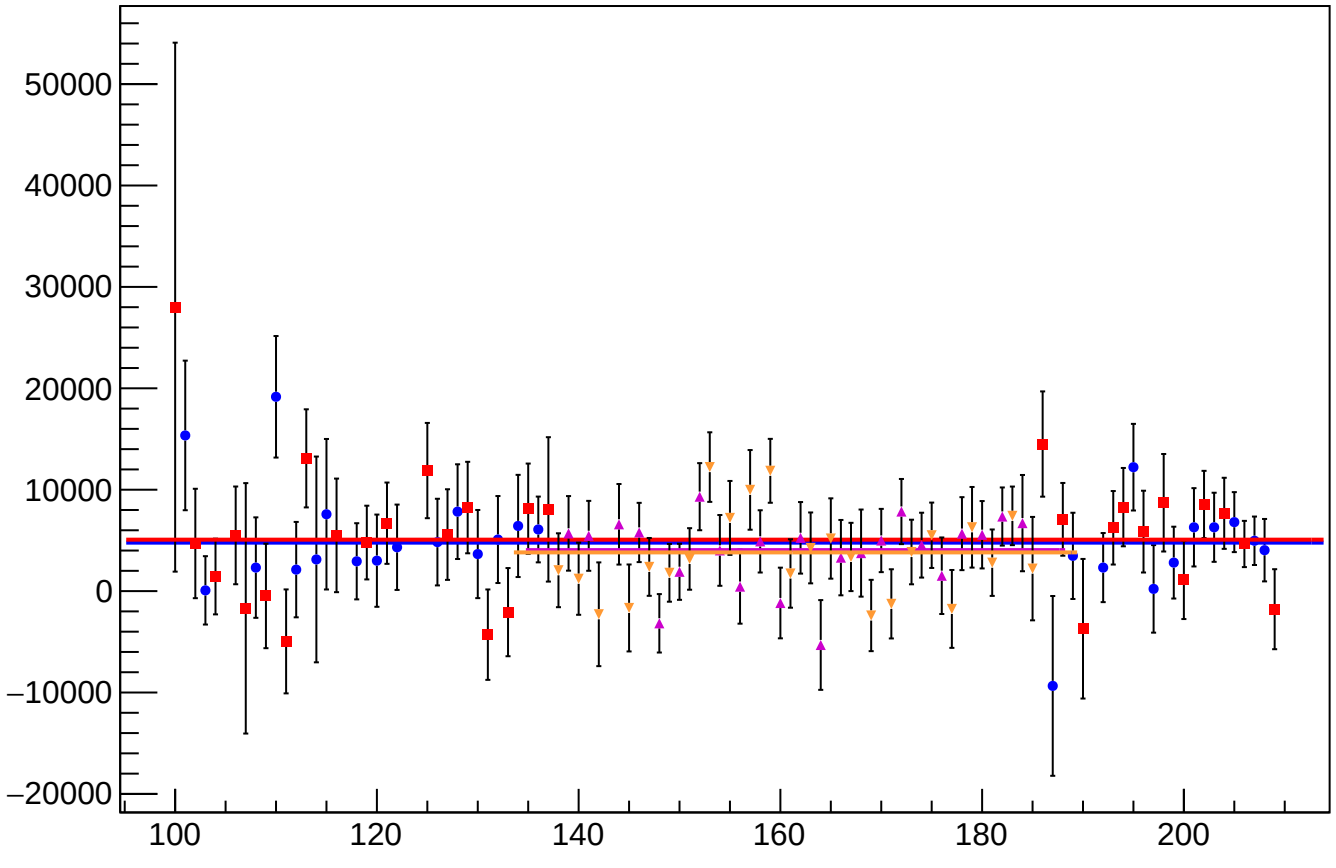
Left: 1957.045+/-0.235 χ^2/NDF: 3582901.0/46

Right: 834.514+/-0.139 χ^2/NDF: 26658535.1/56

In: 1193.044+/-0.176 χ^2/NDF:20246426.6/49

Out: 1066.189+/-0.163 χ^2/NDF:26650234.8/53

All: 1124.819+/-0.119 χ^2/NDF: 47177055.1/1



Right In: 4780.351+/-776.930 χ^2/NDF: 20.2/26

Left Out: 3817.837+/-708.312 χ^2/NDF:30.9/23

Right Out: 5073.397+/-780.023 χ^2/NDF: 32.7/29

Left In: 4042.422+/-709.573 χ^2/NDF:22.5/22

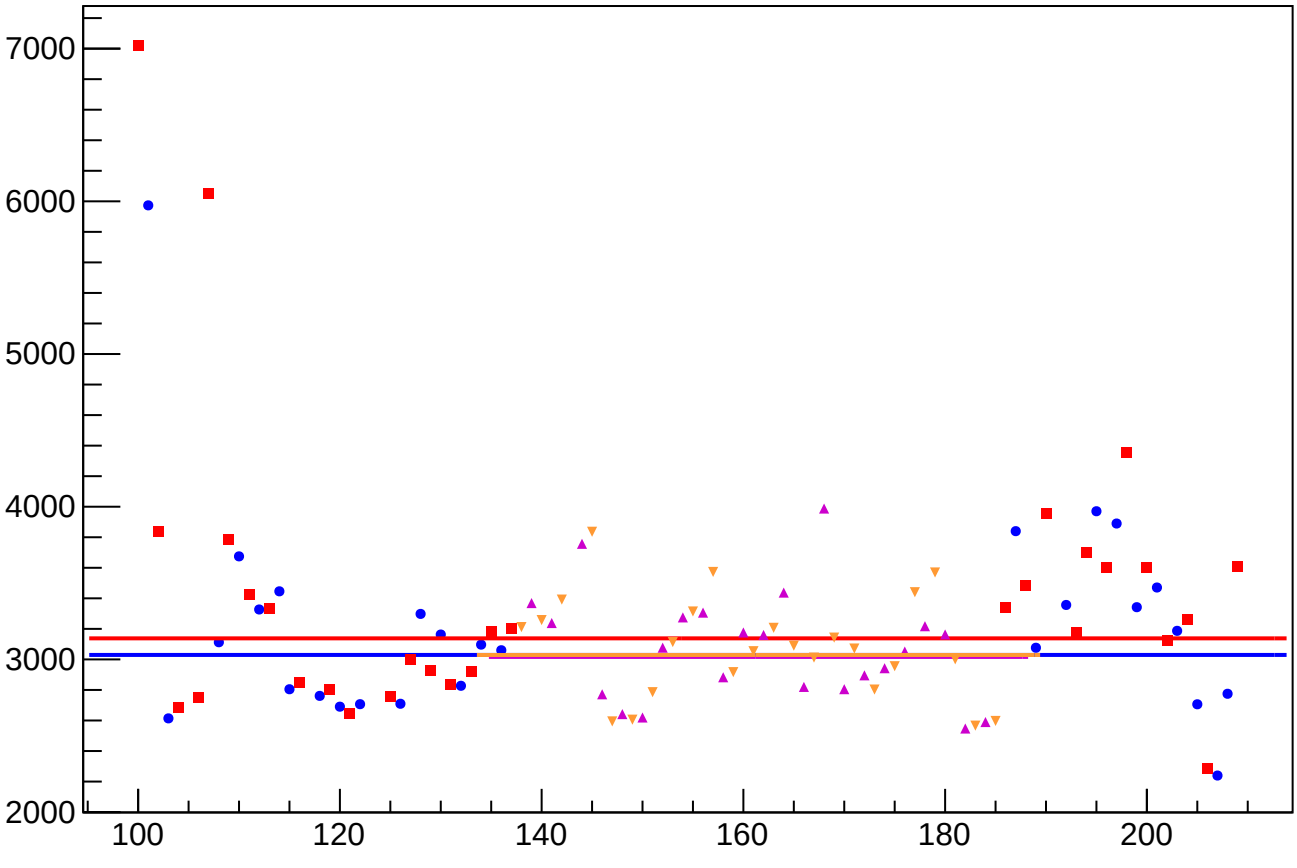
Left: 3929.930+/-501.297 χ^2/NDF: 53.4/46

Right: 4926.292+/-550.463 χ^2/NDF: 53.0/56

In: 4378.018+/-523.941 χ^2/NDF:43.2/49

Out: 4385.262+/-524.376 χ^2/NDF:65.0/53

All: 4381.637+/-370.636 χ^2/NDF: 108.2/103



Right In: 3029.315+/-0.549 χ^2/NDF: 957999.2/26

Left Out: 3028.983+/-0.501 χ^2/NDF:397111.2/23

Right Out: 3137.869+/-0.552 χ^2/NDF: 944051.8/29

Left In: 3016.252+/-0.502 χ^2/NDF:439897.8/22

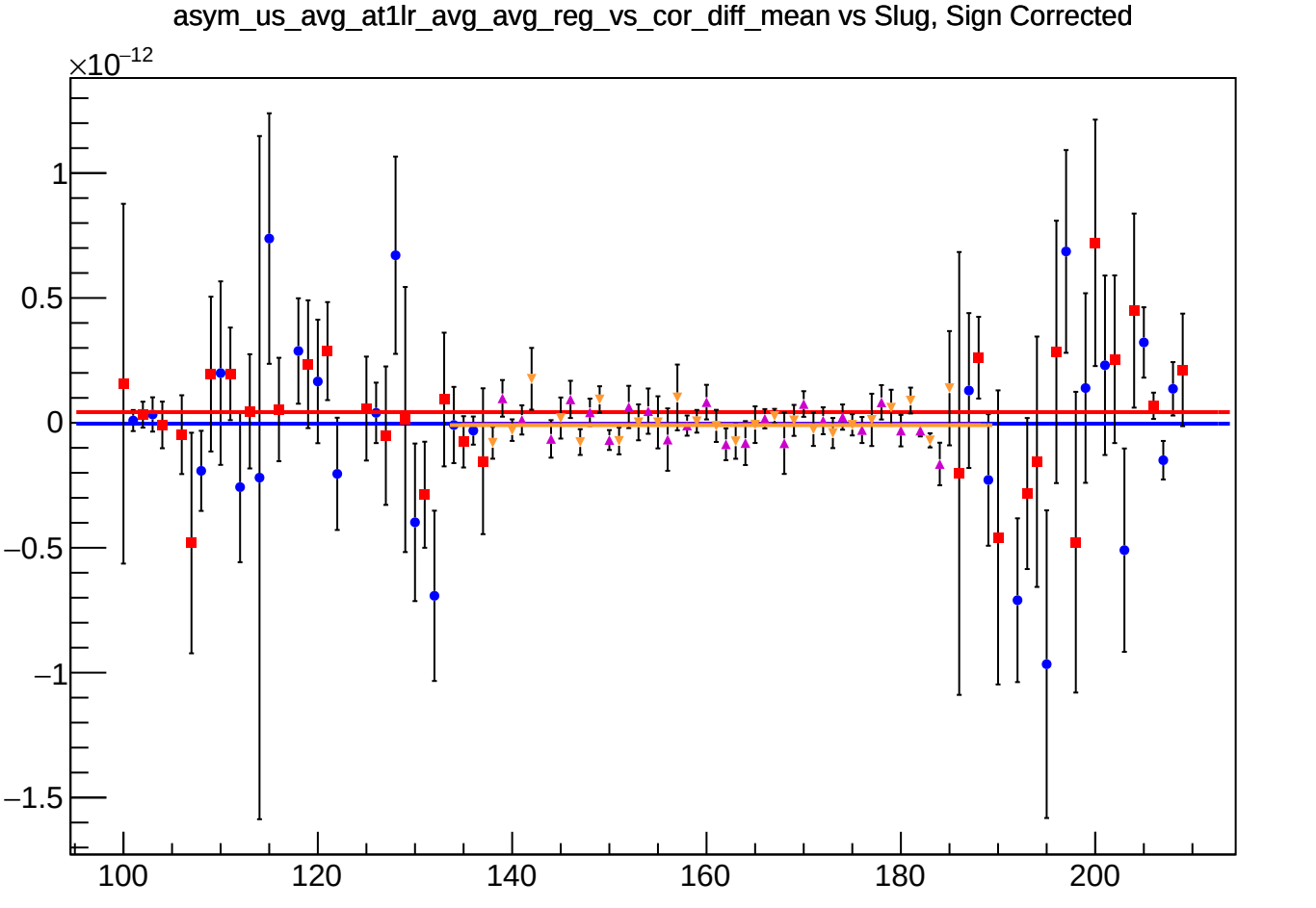
Left: 3022.629+/-0.354 χ^2/NDF: 837331.5/46

Right: 3083.376+/-0.389 χ^2/NDF: 1921495.7/56

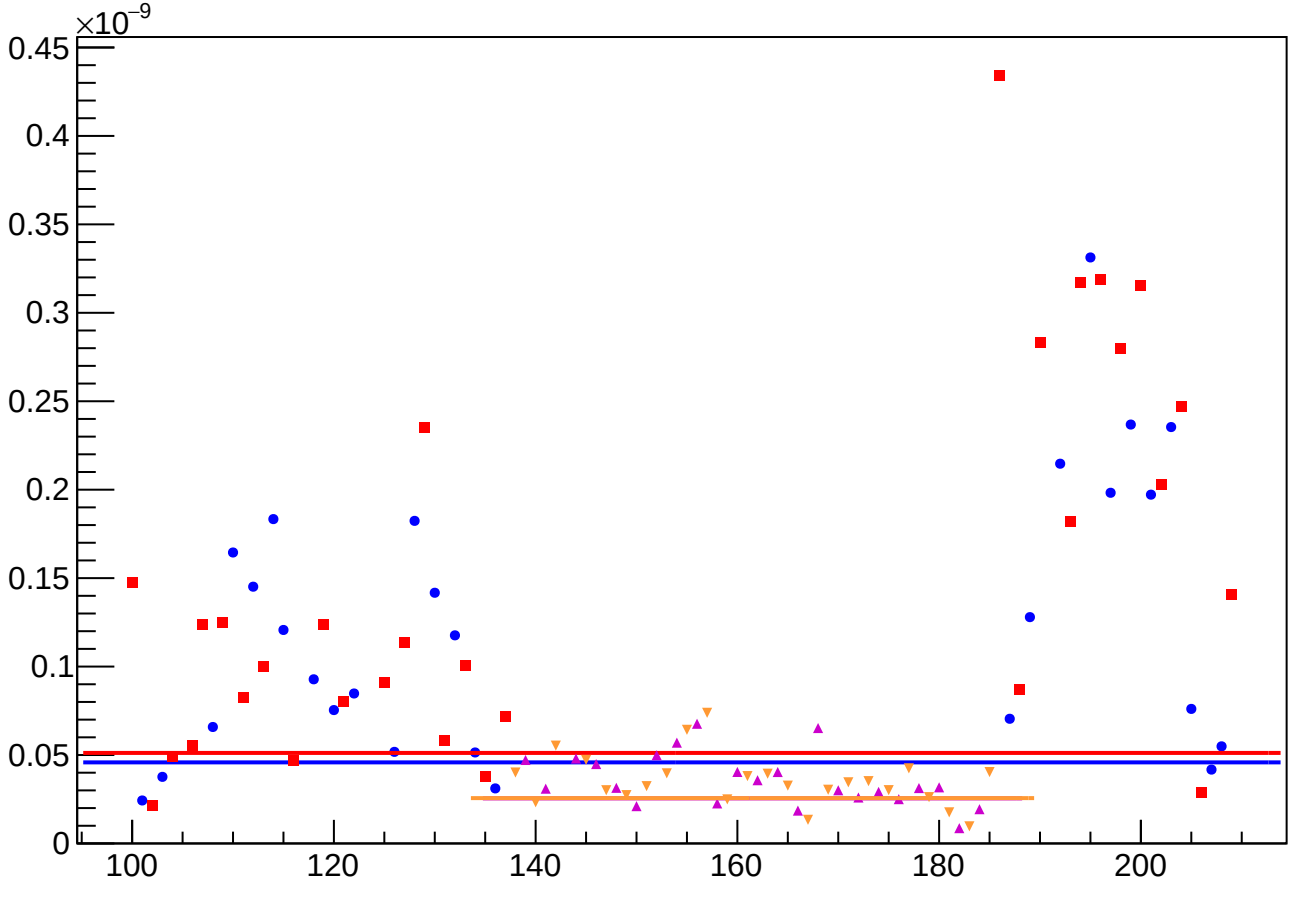
In: 3022.193+/-0.370 χ^2/NDF:1398205.3/49

Out: 3078.192+/-0.371 χ^2/NDF:1362522.7/53

All: 3050.169+/-0.262 χ^2/NDF: 2772142.1/10


asym_us_avg_at1lr_avg_avg_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
1
0.5
0
−0.5
−1
−1.5
100
120
140
160
180
200
Right In: -0.000+/-0.000 χ²/NDF: 40.7/26
Left Out: -0.000+/-0.000 χ²/NDF:24.2/23
Right Out: 0.000+/-0.000 χ²/NDF: 18.6/29
Left In: -0.000+/-0.000 χ²/NDF:23.3/22
Left: -0.000+/-0.000 χ²/NDF: 47.5/46
Right: 0.000+/-0.000 χ²/NDF: 60.9/56
In: -0.000+/-0.000 χ²/NDF:64.0/49
Out: -0.000+/-0.000 χ²/NDF:45.8/53
All: -0.000+/-0.000 χ²/NDF: 109.9/103

asym_us_avg_at1lr_avg_avg_reg_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 4776029.8/26

Left Out: 0.000+/-0.000 χ^2/NDF:2439953.3/23

Right Out: 0.000+/-0.000 χ^2/NDF: 6438418.1/29

Left In: 0.000+/-0.000 χ^2/NDF:2808054.6/22

Left: 0.000+/-0.000 χ^2/NDF: 5248211.8/46

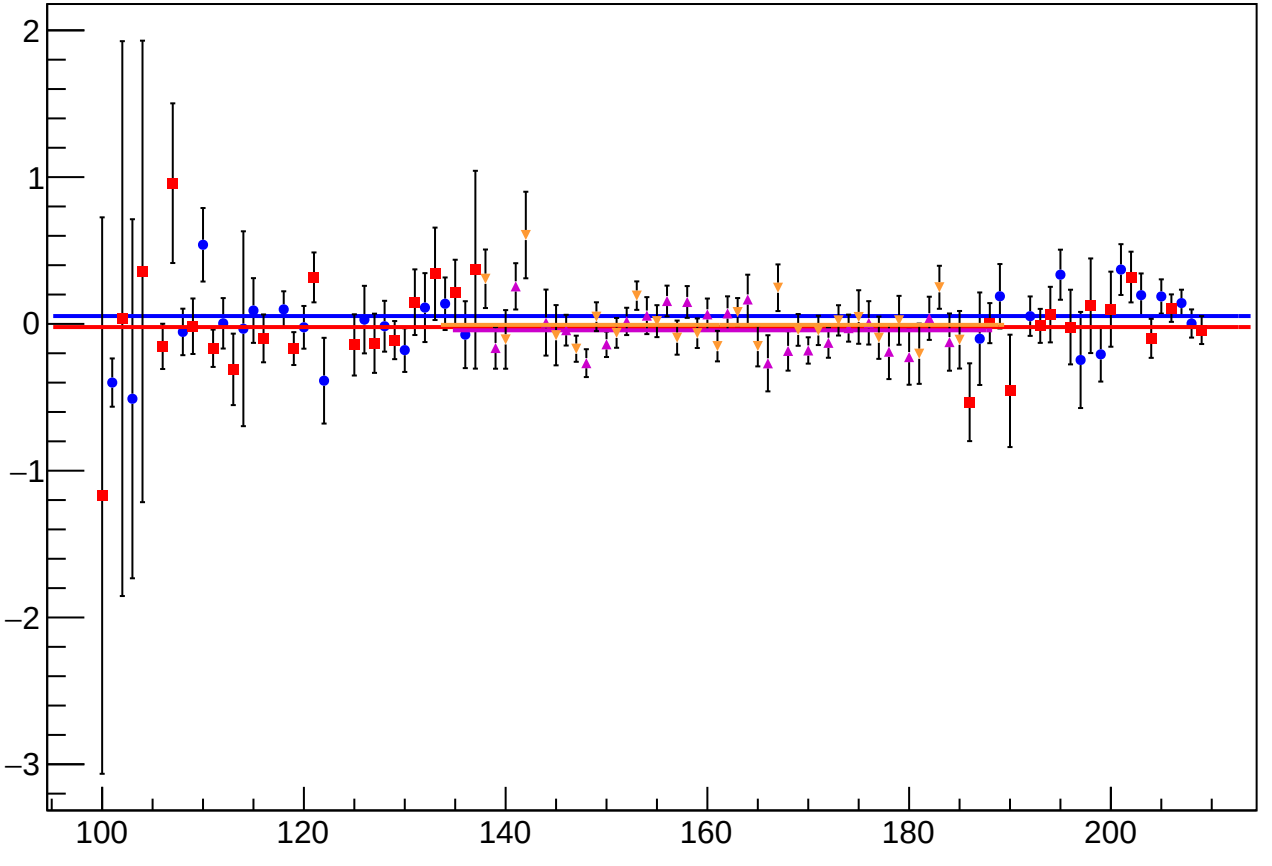
Right: 0.000+/-0.000 χ^2/NDF: 11256766.2/56

In: 0.000+/-0.000 χ^2/NDF:8757343.9/49

Out: 0.000+/-0.000 χ^2/NDF:10341469.7/53

All: 0.000+/-0.000 χ^2/NDF: 19098981.2/103

asym_us_avg_at1lr_avg_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.053+/-0.032 χ^2/NDF: 31.0/26

Left Out: -0.007+/-0.025 χ^2/NDF:27.7/23

Right Out: -0.022+/-0.032 χ^2/NDF: 29.3/29

Left In: -0.044+/-0.025 χ^2/NDF:30.3/22

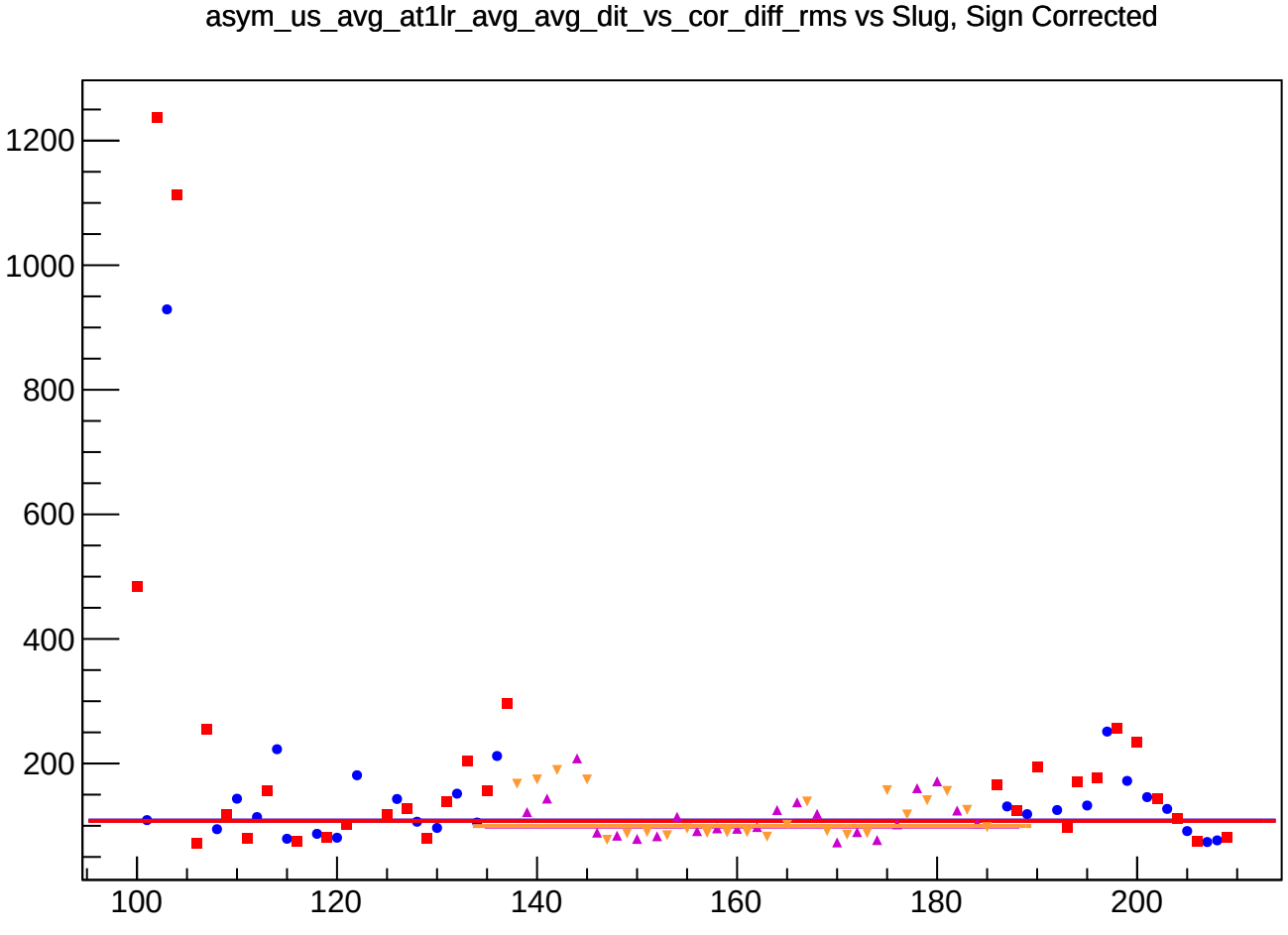
Left: -0.025+/-0.018 χ^2/NDF: 59.0/46

Right: 0.016+/-0.022 χ^2/NDF: 63.1/56

In: -0.007+/-0.020 χ^2/NDF:67.0/49

Out: -0.012+/-0.020 χ^2/NDF:57.2/53

All: -0.009+/-0.014 χ^2/NDF: 124.2/103



Right In: 108.376+/-0.023 χ^2/NDF: 3225256.7/26

Left Out: 99.590+/-0.018 χ^2/NDF:2070986.6/23

Right Out: 107.960+/-0.022 χ^2/NDF: 4853161.3/29

Left In: 98.669+/-0.018 χ^2/NDF:2003365.1/22

Left: 99.125+/-0.013 χ^2/NDF: 4075687.1/46

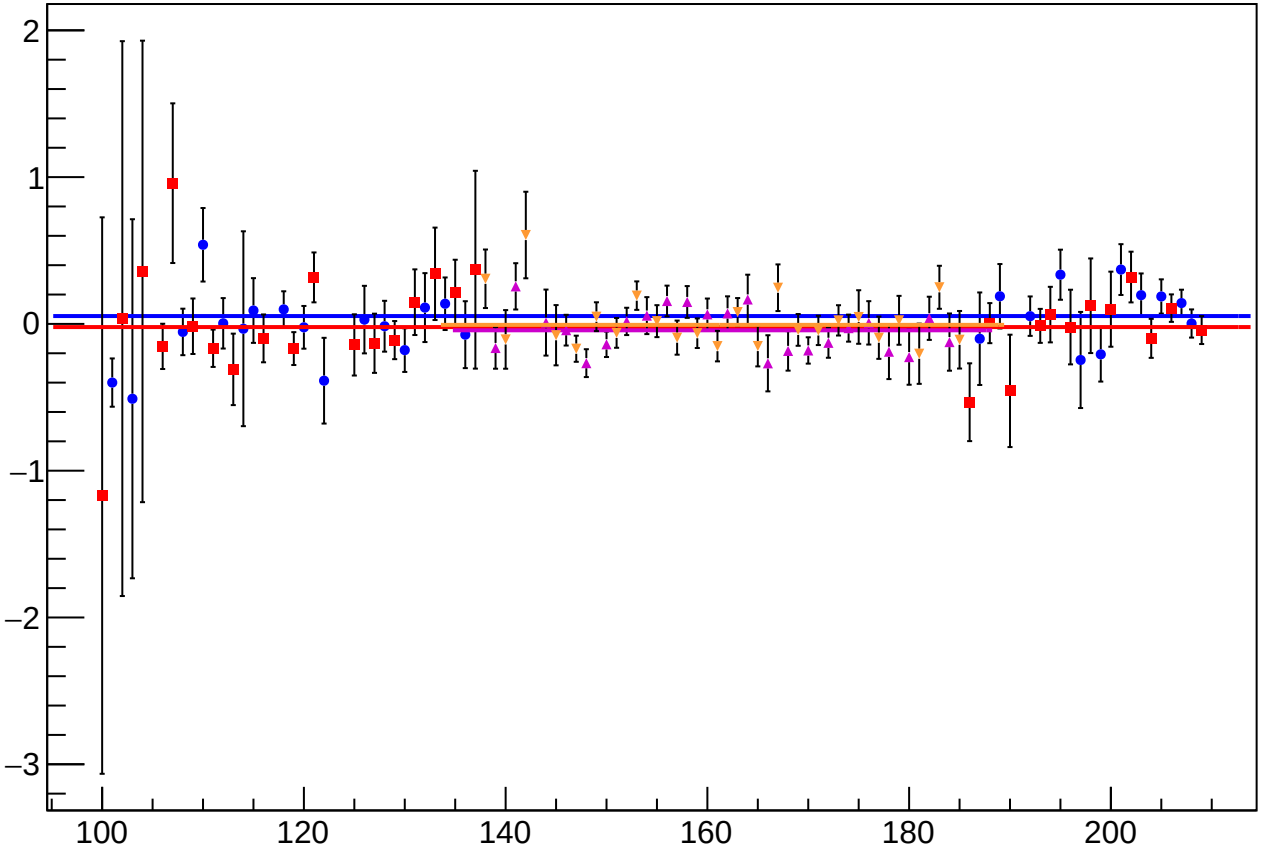
Right: 108.167+/-0.016 χ^2/NDF: 8078589.1/56

In: 102.372+/-0.014 χ^2/NDF:5343071.9/49

Out: 102.853+/-0.014 χ^2/NDF:7009370.1/53

All: 102.612+/-0.010 χ^2/NDF: 12353037.8/10

asym_us_avg_at1lr_avg_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.053+/-0.032 χ^2/NDF: 31.0/26

Left Out: -0.007+/-0.025 χ^2/NDF:27.7/23

Right Out: -0.022+/-0.032 χ^2/NDF: 29.3/29

Left In: -0.044+/-0.025 χ^2/NDF:30.3/22

Left: -0.025+/-0.018 χ^2/NDF: 59.0/46

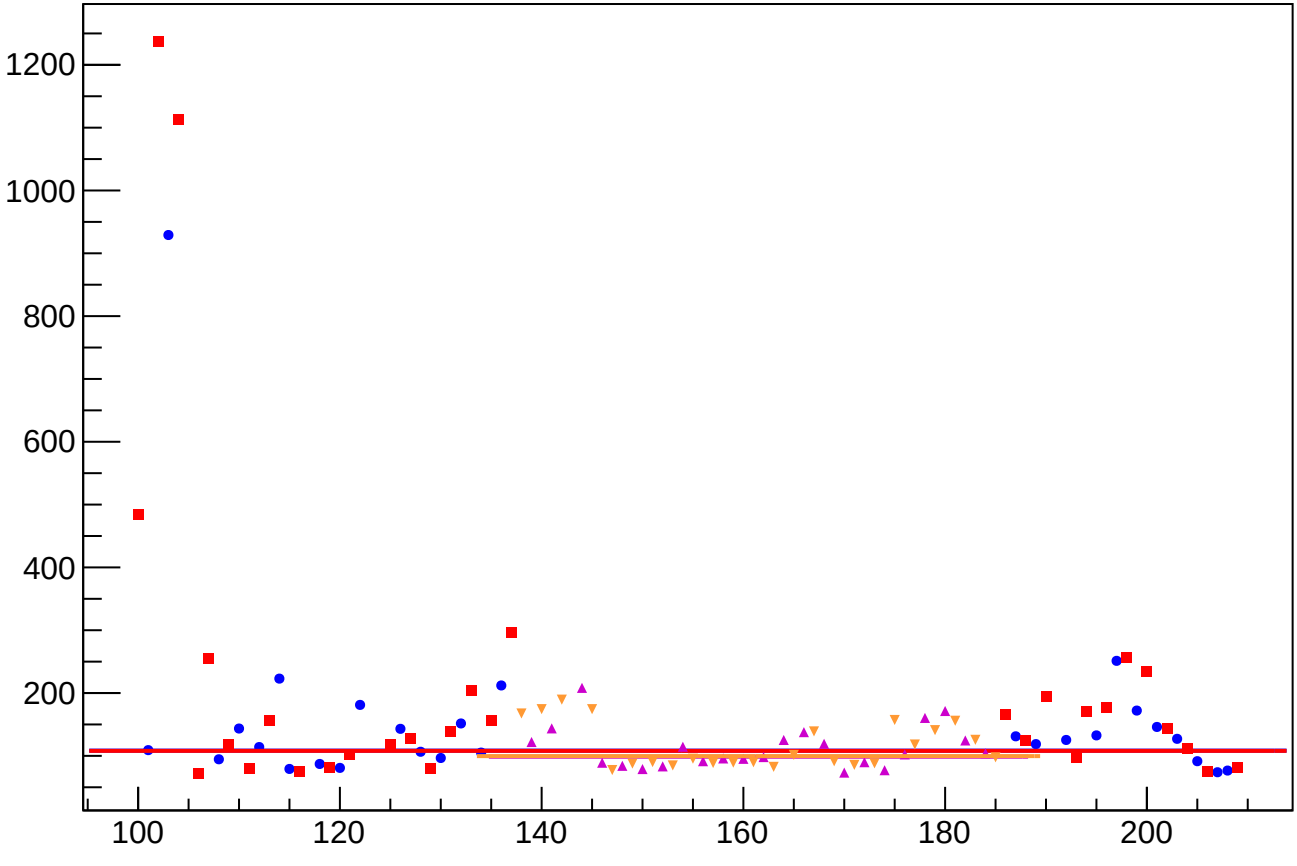
Right: 0.016+/-0.022 χ^2/NDF: 63.1/56

In: -0.007+/-0.020 χ^2/NDF:67.0/49

Out: -0.012+/-0.020 χ^2/NDF:57.2/53

All: -0.009+/-0.014 χ^2/NDF: 124.2/103

asym_us_avg_at1lr_avg_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 108.376+/-0.023 χ^2/NDF: 3225256.7/26

Left Out: 99.590+/-0.018 χ^2/NDF:2070986.6/23

Right Out: 107.960+/-0.022 χ^2/NDF: 4853161.3/29

Left In: 98.669+/-0.018 χ^2/NDF:2003365.1/22

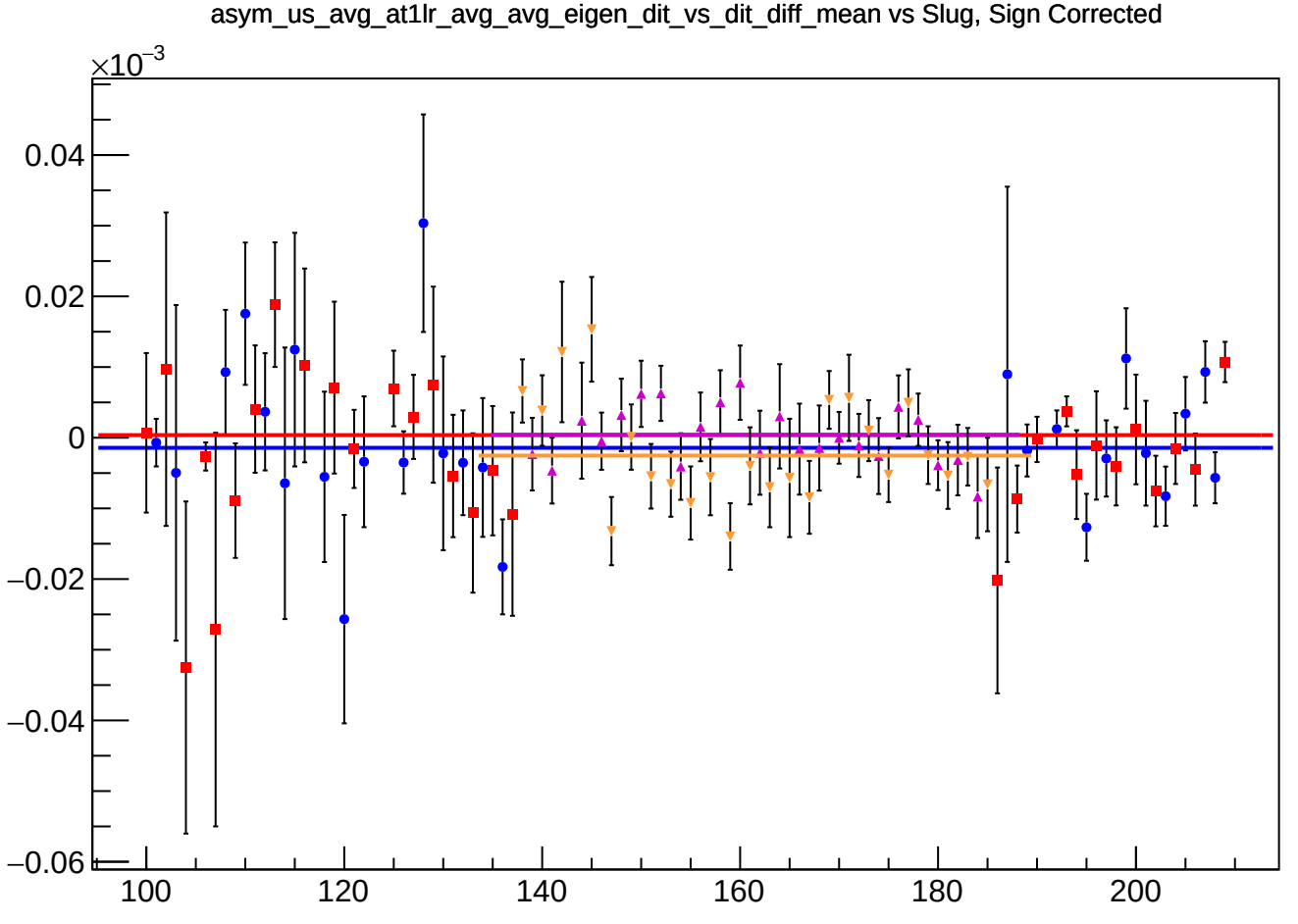
Left: 99.125+/-0.013 χ^2/NDF: 4075687.1/46

Right: 108.167+/-0.016 χ^2/NDF: 8078589.1/56

In: 102.372+/-0.014 χ^2/NDF:5343071.9/49

Out: 102.853+/-0.014 χ^2/NDF:7009370.1/53

All: 102.612+/-0.010 χ^2/NDF: 12353037.8/10



Right In: -0.000+/-0.000 χ^2/NDF: 41.1/26

Left Out: -0.000+/-0.000 χ^2/NDF:40.2/23

Right Out: 0.000+/-0.000 χ^2/NDF: 42.6/29

Left In: 0.000+/-0.000 χ^2/NDF:15.9/22

Left: -0.000+/-0.000 χ^2/NDF: 60.4/46

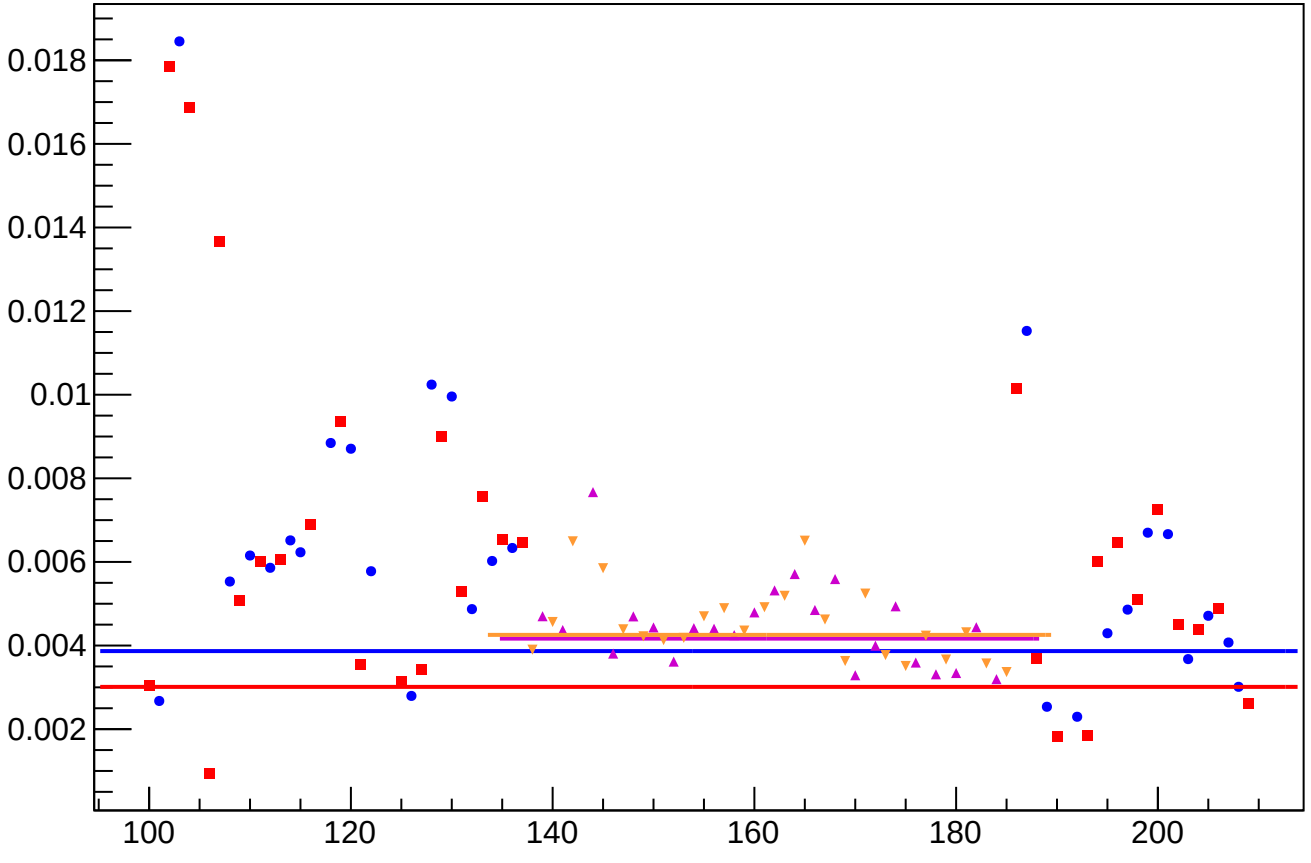
Right: -0.000+/-0.000 χ^2/NDF: 85.3/56

In: -0.000+/-0.000 χ^2/NDF:58.6/49

Out: -0.000+/-0.000 χ^2/NDF:87.2/53

All: -0.000+/-0.000 χ^2/NDF: 146.1/103

asym_us_avg_at1lr_avg_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.004+/-0.000 χ^2/NDF: 5273044.4/26

Left Out: 0.004+/-0.000 χ^2/NDF:833222.5/23

Right Out: 0.003+/-0.000 χ^2/NDF: 10335615.0/29

Left In: 0.004+/-0.000 χ^2/NDF:1277434.2/22

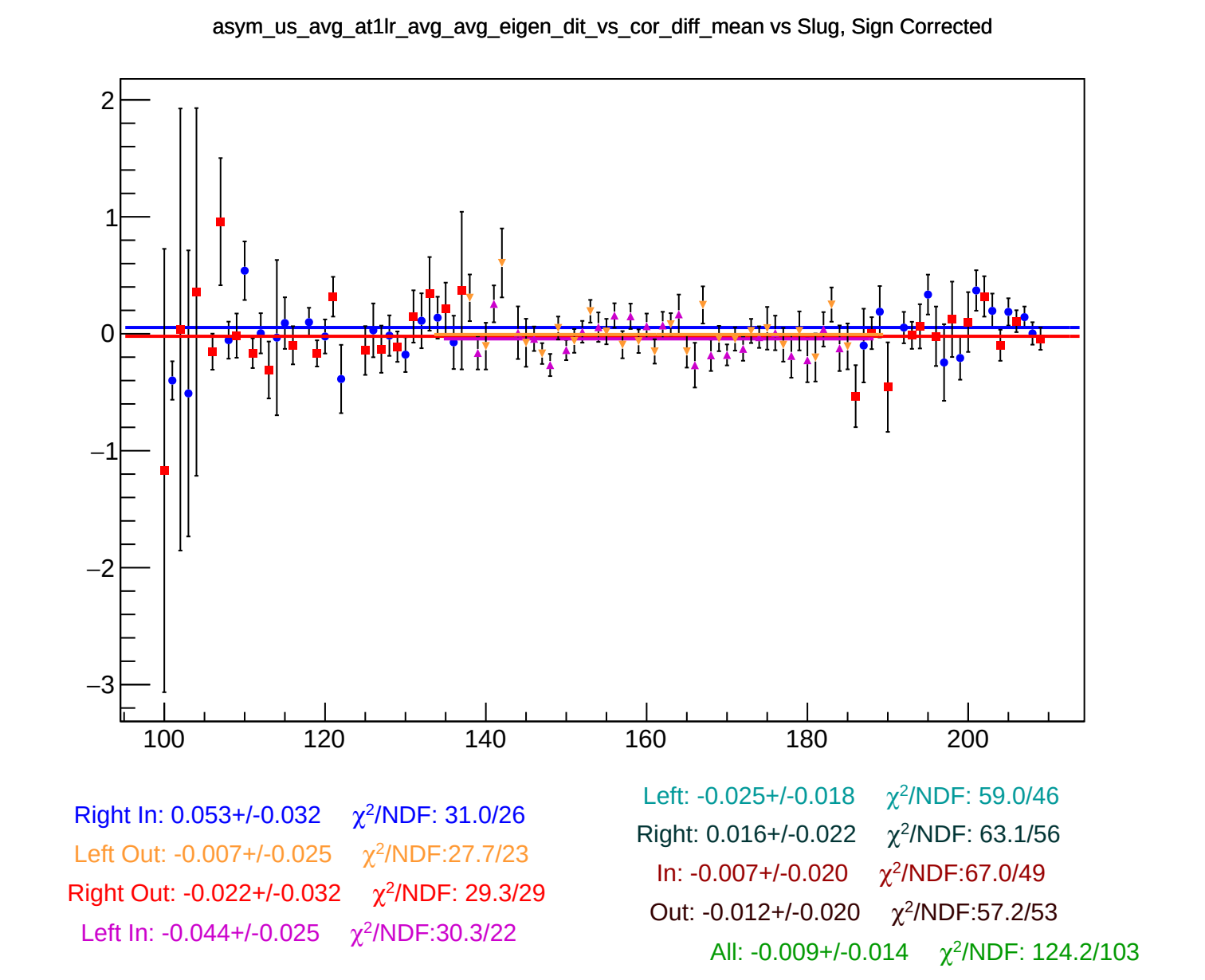
Left: 0.004+/-0.000 χ^2/NDF: 2118625.9/46

Right: 0.003+/-0.000 χ^2/NDF: 16317091.5/56

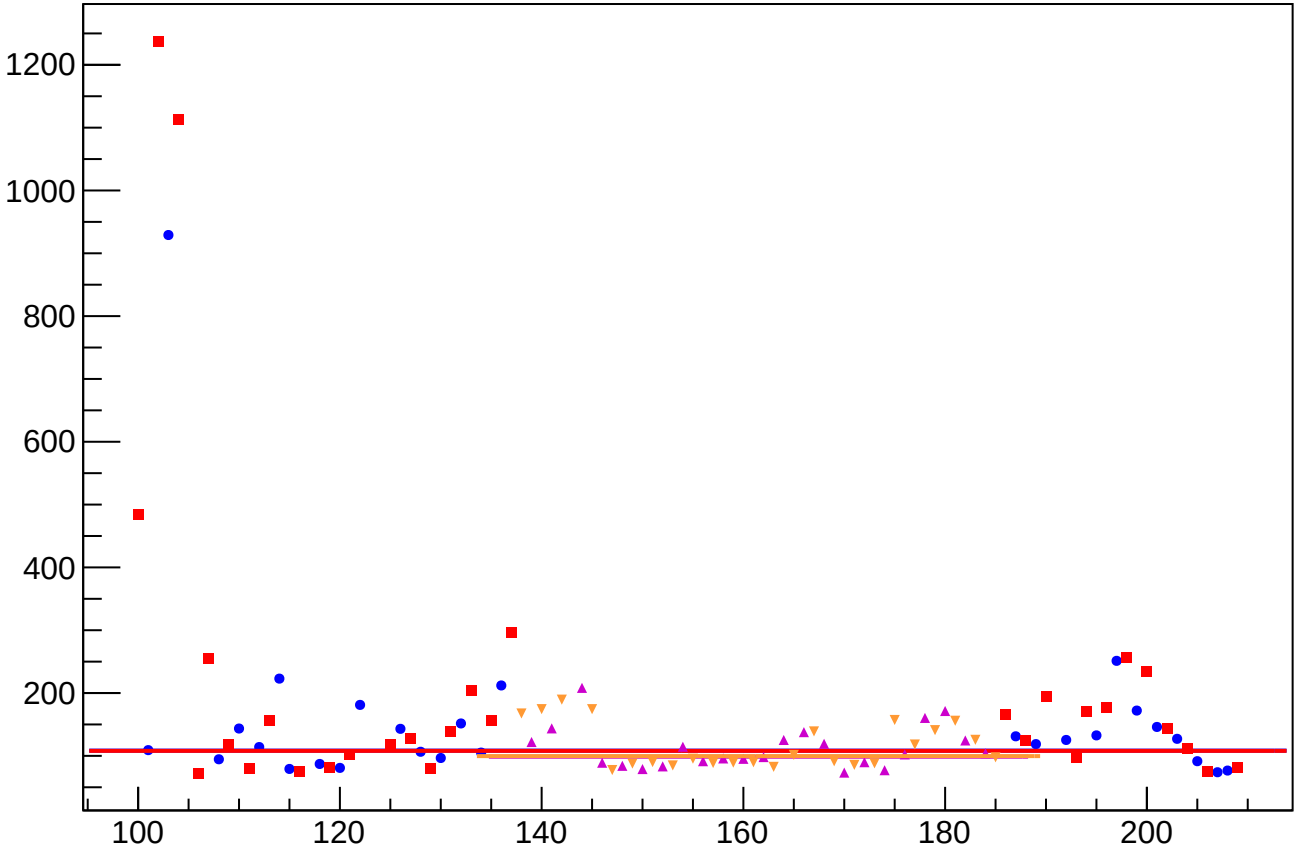
In: 0.004+/-0.000 χ^2/NDF:6631460.9/49

Out: 0.004+/-0.000 χ^2/NDF:12809634.7/53

All: 0.004+/-0.000 χ^2/NDF: 19844002.3/103


asym_us_avg_at1lr_avg_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected
2
1
0
−1
−2
−3
100
120
140
160
180
200
Right In: 0.053+/-0.032 χ²/NDF: 31.0/26
Left Out: -0.007+/-0.025 χ²/NDF:27.7/23
Right Out: -0.022+/-0.032 χ²/NDF: 29.3/29
Left In: -0.044+/-0.025 χ²/NDF:30.3/22
Left: -0.025+/-0.018 χ²/NDF: 59.0/46
Right: 0.016+/-0.022 χ²/NDF: 63.1/56
In: -0.007+/-0.020 χ²/NDF:67.0/49
Out: -0.012+/-0.020 χ²/NDF:57.2/53
All: -0.009+/-0.014 χ²/NDF: 124.2/103

asym_us_avg_at1lr_avg_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 108.376+/-0.023 χ^2/NDF: 3225188.5/26

Left Out: 99.590+/-0.018 χ^2/NDF:2070951.9/23

Right Out: 107.960+/-0.022 χ^2/NDF: 4853133.5/29

Left In: 98.669+/-0.018 χ^2/NDF:2003332.7/22

Left: 99.125+/-0.013 χ^2/NDF: 4075620.9/46

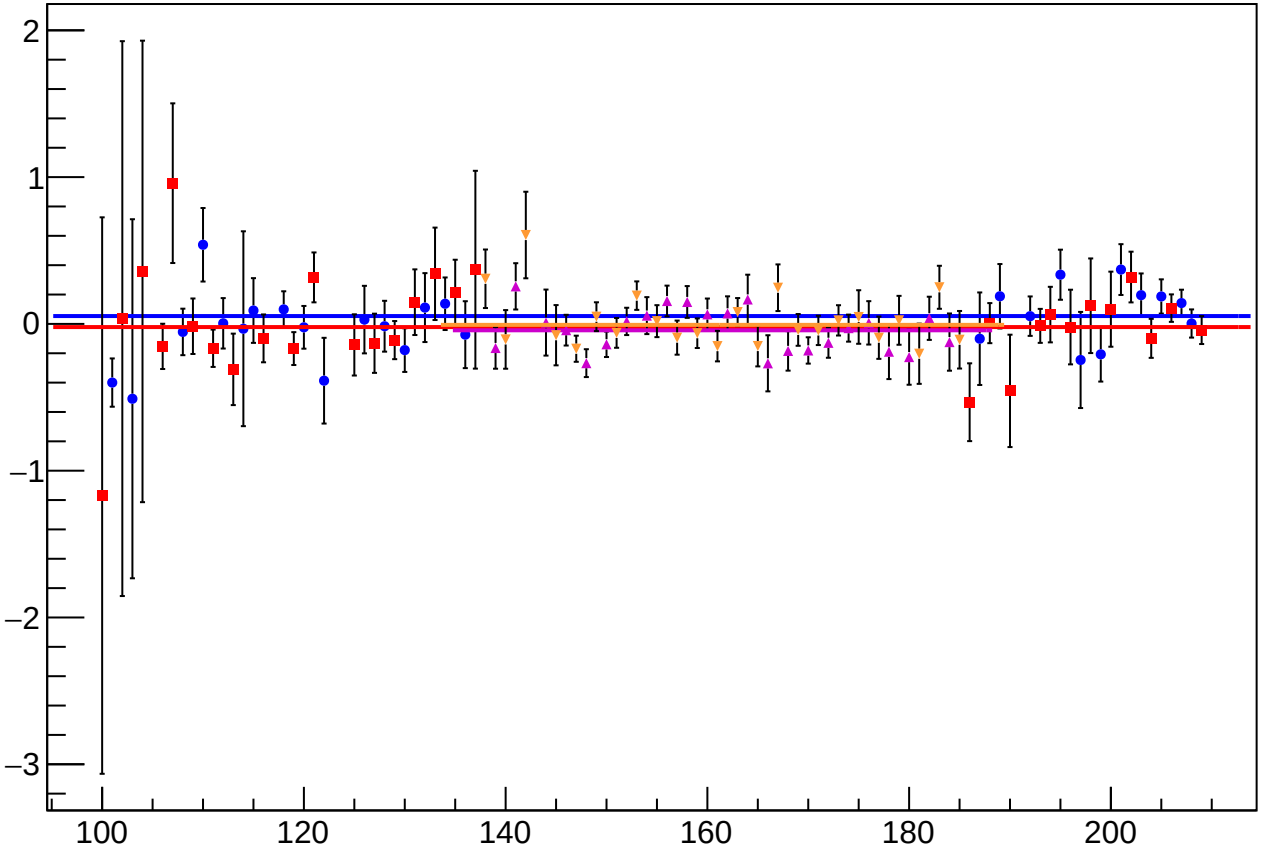
Right: 108.166+/-0.016 χ^2/NDF: 8078493.2/56

In: 102.372+/-0.014 χ^2/NDF:5342958.5/49

Out: 102.854+/-0.014 χ^2/NDF:7009287.7/53

All: 102.612+/-0.010 χ^2/NDF: 12352842.2/10

asym_us_avg_at1lr_avg_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.053+/-0.032 χ^2/NDF: 31.0/26

Left Out: -0.007+/-0.025 χ^2/NDF:27.7/23

Right Out: -0.022+/-0.032 χ^2/NDF: 29.3/29

Left In: -0.044+/-0.025 χ^2/NDF:30.3/22

Left: -0.025+/-0.018 χ^2/NDF: 59.0/46

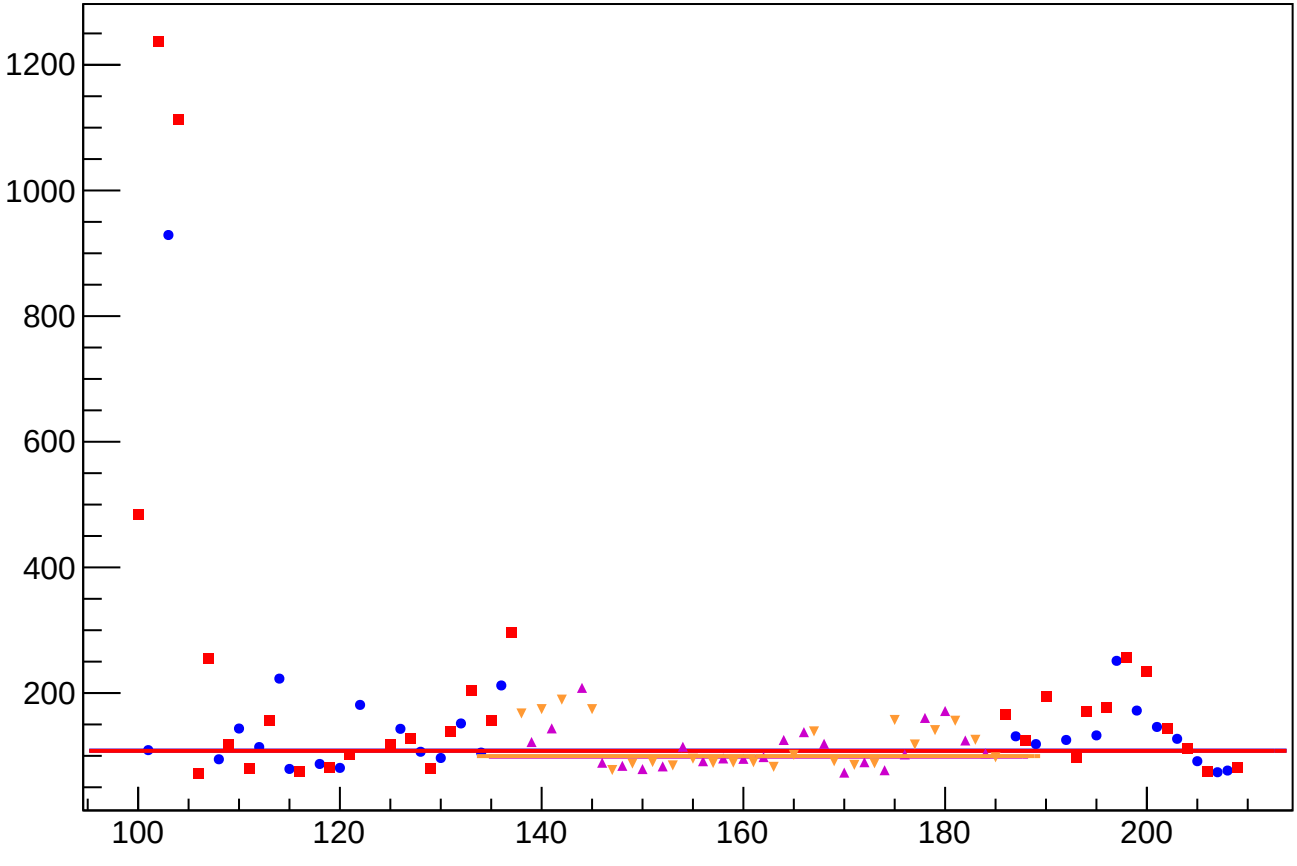
Right: 0.016+/-0.022 χ^2/NDF: 63.1/56

In: -0.007+/-0.020 χ^2/NDF:67.0/49

Out: -0.012+/-0.020 χ^2/NDF:57.2/53

All: -0.009+/-0.014 χ^2/NDF: 124.2/103

asym_us_avg_at1lr_avg_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 108.376+/-0.023 χ^2/NDF: 3225188.5/26

Left Out: 99.590+/-0.018 χ^2/NDF:2070951.9/23

Right Out: 107.960+/-0.022 χ^2/NDF: 4853133.5/29

Left In: 98.669+/-0.018 χ^2/NDF:2003332.7/22

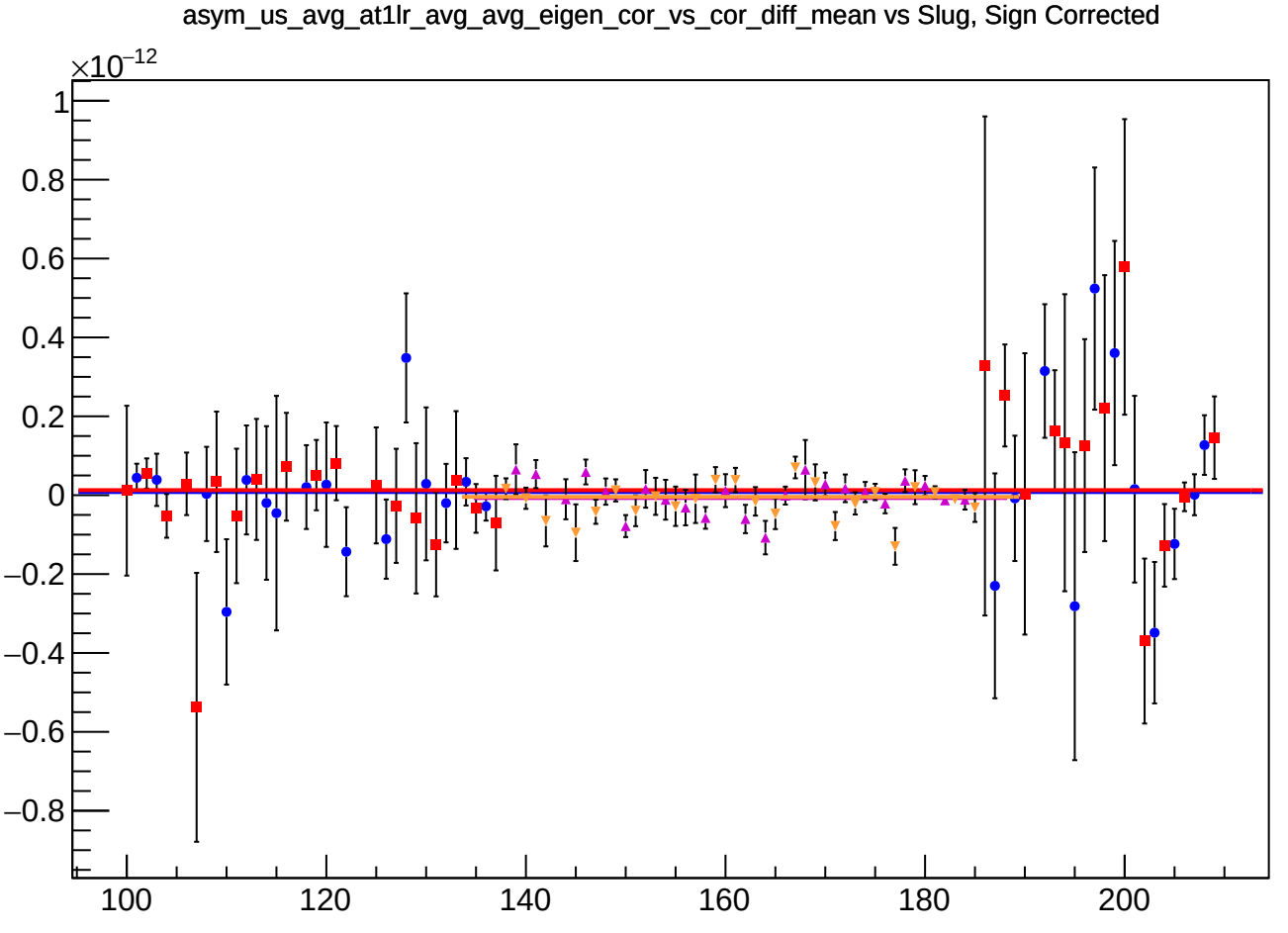
Left: 99.125+/-0.013 χ^2/NDF: 4075620.9/46

Right: 108.166+/-0.016 χ^2/NDF: 8078493.2/56

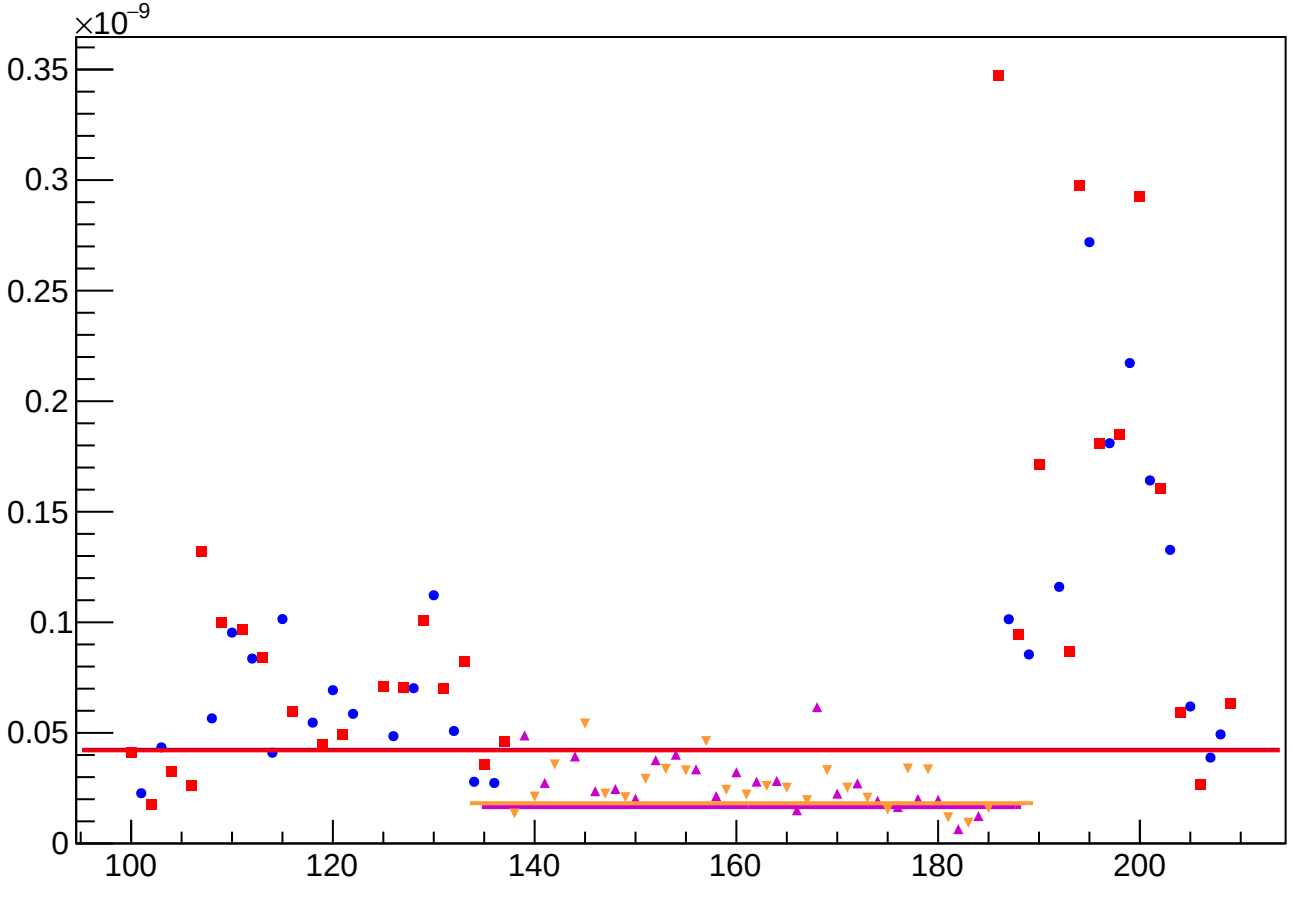
In: 102.372+/-0.014 χ^2/NDF:5342958.5/49

Out: 102.854+/-0.014 χ^2/NDF:7009287.7/53

All: 102.612+/-0.010 χ^2/NDF: 12352842.2/10


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
Right In: 0.000+/-0.000 χ²/NDF: 30.4/26
Left Out: -0.000+/-0.000 χ²/NDF:32.9/23
Right Out: 0.000+/-0.000 χ²/NDF: 23.3/29
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: 53.8/56
In: -0.000+/-0.000 χ²/NDF:66.4/49
Out: -0.000+/-0.000 χ²/NDF:57.1/53
All: -0.000+/-0.000 χ²/NDF: 123.6/103

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: 5613547.4/26

Left Out: 0.000+/-0.000 χ^2/NDF:4306302.2/23

Right Out: 0.000+/-0.000 χ^2/NDF: 7328546.3/29

Left In: 0.000+/-0.000 χ^2/NDF:7007463.5/22

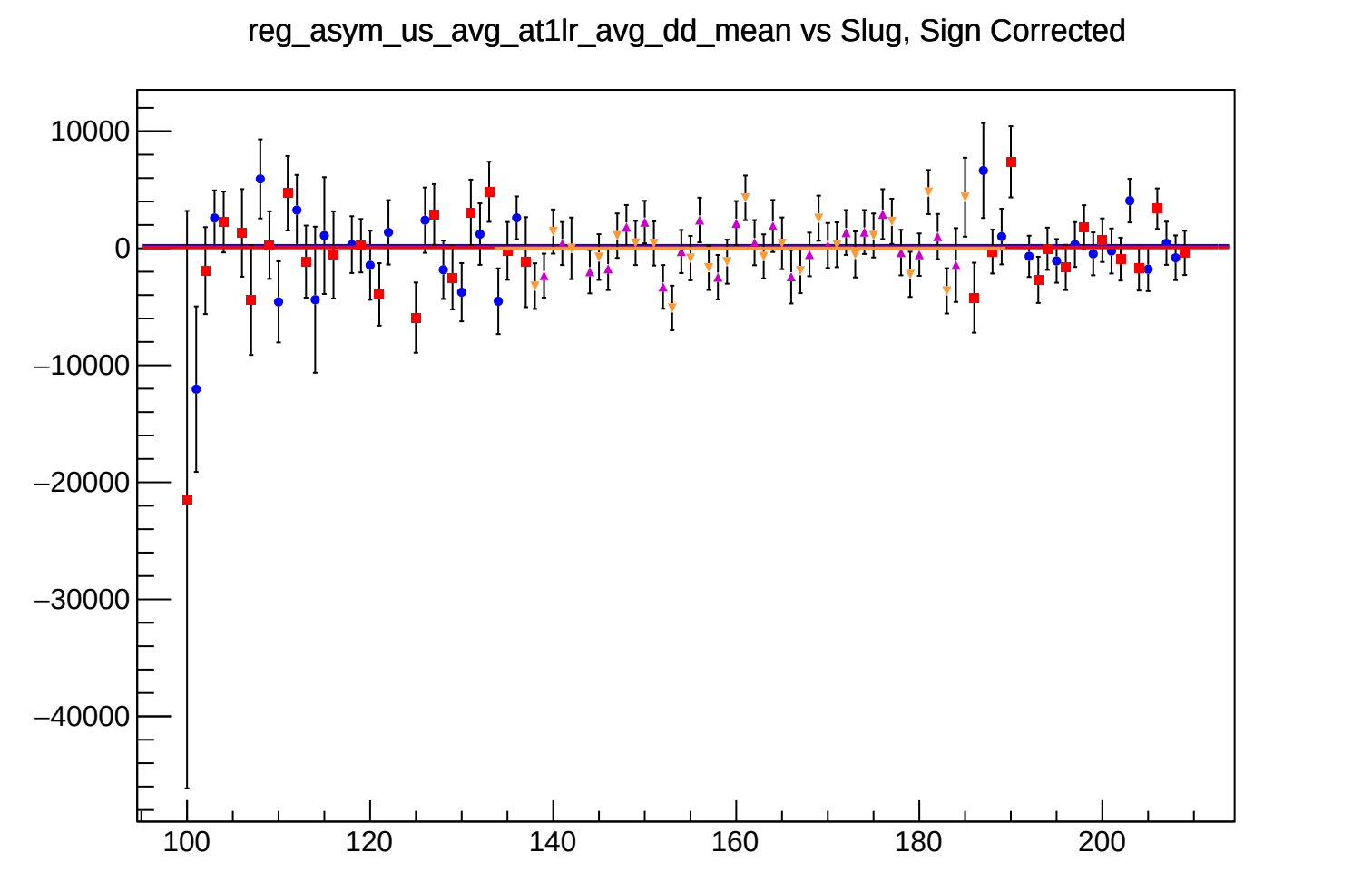
Left: 0.000+/-0.000 χ^2/NDF: 11414627.4/46

Right: 0.000+/-0.000 χ^2/NDF: 12942312.9/56

In: 0.000+/-0.000 χ^2/NDF:16948062.6/49

Out: 0.000+/-0.000 χ^2/NDF:14984703.6/53

All: 0.000+/-0.000 χ^2/NDF: 32031903.5/103



Right In: 211.946+/-455.814 χ^2/NDF: 28.7/26

Left Out: -34.799+/-401.970 χ^2/NDF:35.4/23

Right Out: 73.278+/-444.351 χ^2/NDF: 34.6/29

Left In: 52.796+/-404.703 χ^2/NDF:19.4/22

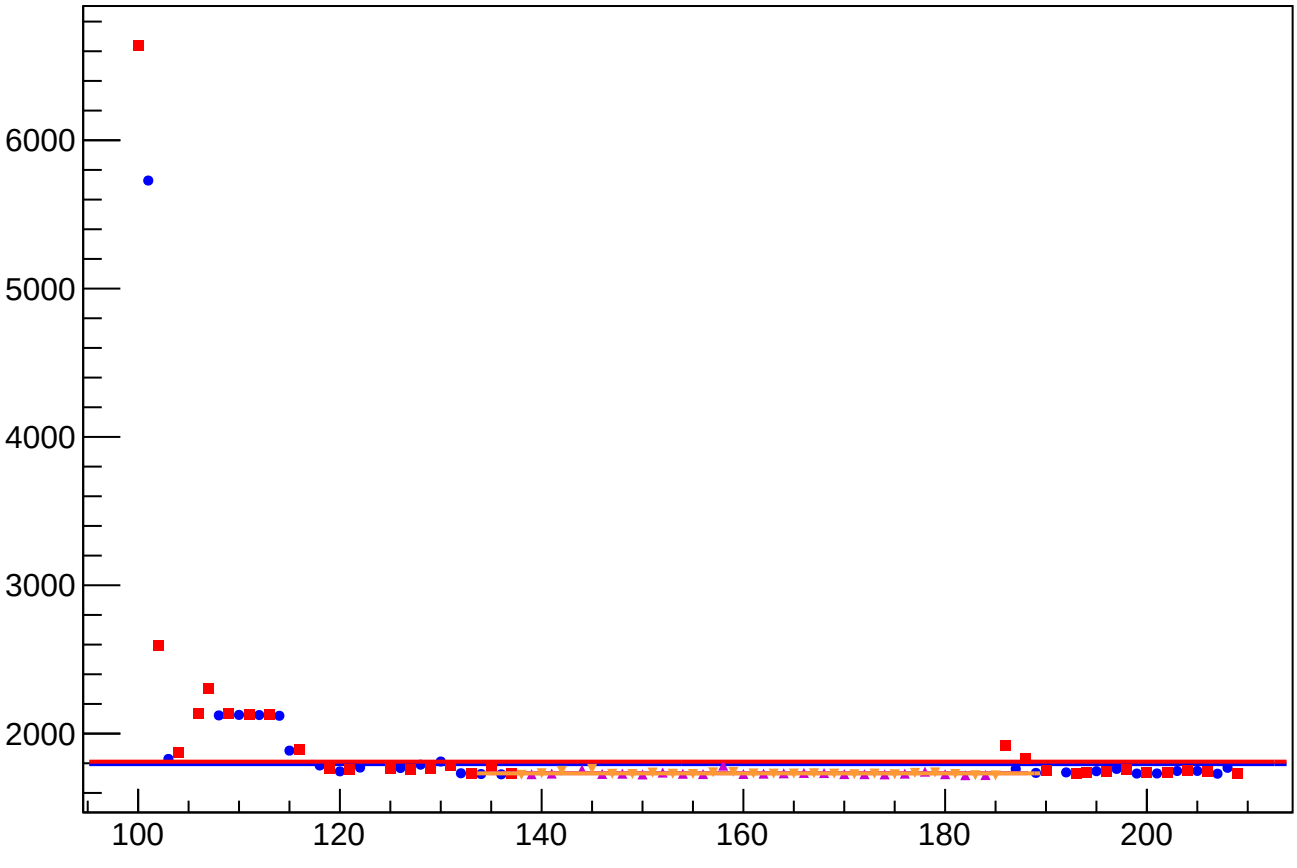
Left: 8.702+/-285.197 χ^2/NDF: 54.8/46

Right: 140.847+/-318.179 χ^2/NDF: 63.4/56

In: 122.952+/-302.632 χ^2/NDF:48.2/49

Out: 13.841+/-298.096 χ^2/NDF:70.0/53

All: 67.573+/-212.371 χ^2/NDF: 118.3/103



Right In: 1794.207+/-0.322 χ^2/NDF: 707715.9/26

Left Out: 1731.985+/-0.284 χ^2/NDF:937.2/23

Right Out: 1810.855+/-0.314 χ^2/NDF: 307984.6/29

Left In: 1733.315+/-0.286 χ^2/NDF:2230.5/22

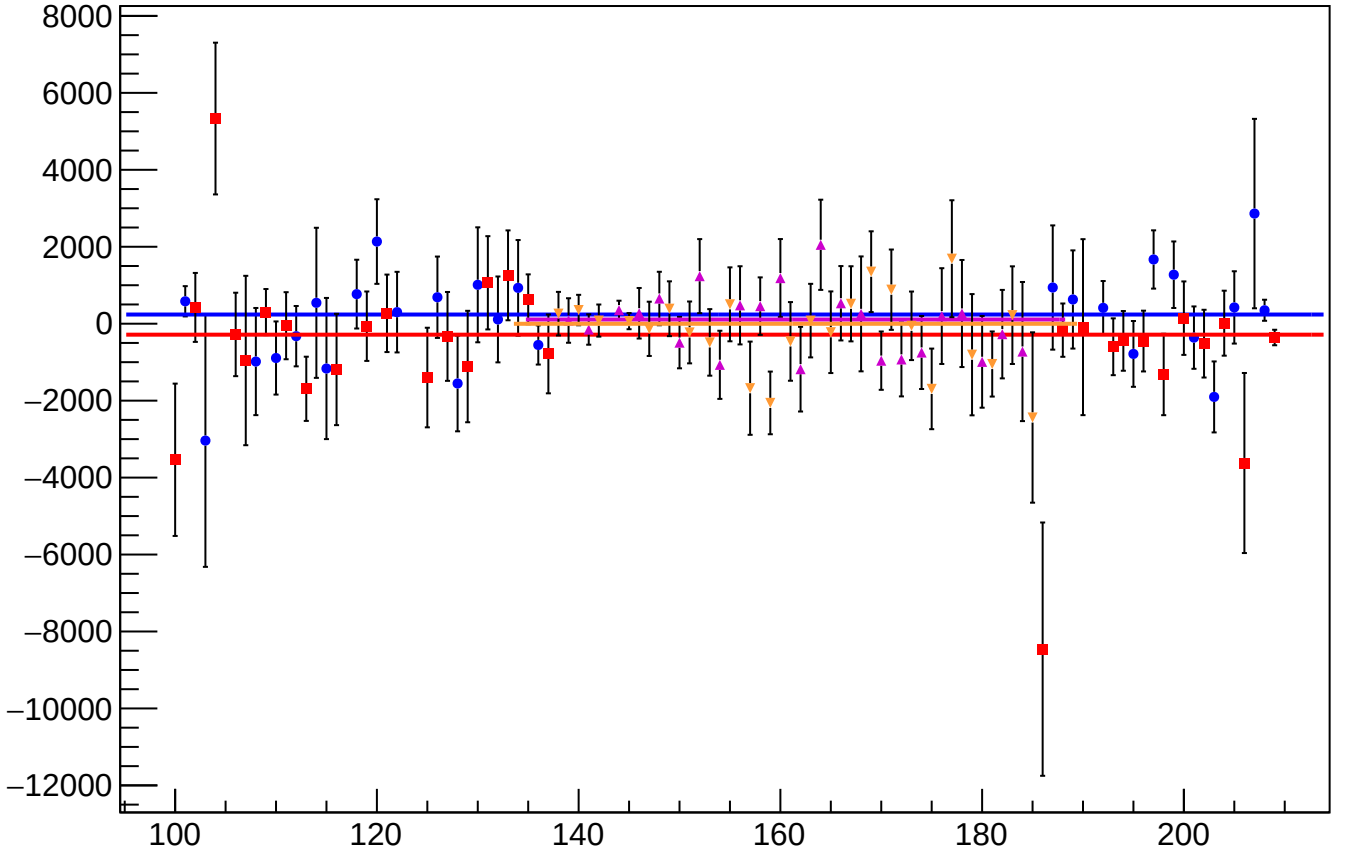
Left: 1732.646+/-0.202 χ^2/NDF: 3178.5/46

Right: 1802.743+/-0.225 χ^2/NDF: 1017068.7/56

In: 1760.157+/-0.214 χ^2/NDF:729904.6/49

Out: 1767.481+/-0.211 χ^2/NDF:343573.9/53

All: 1763.874+/-0.150 χ^2/NDF: 1074073.0/10



Right In: 238.531+/-148.255 χ^2/NDF: 27.7/26

Left Out: -2.406+/-130.052 χ^2/NDF:20.3/23

Right Out: -285.074+/-135.382 χ^2/NDF: 32.5/29

Left In: 108.386+/-143.315 χ^2/NDF:17.0/22

Left: 47.628+/-96.309 χ^2/NDF: 37.6/46

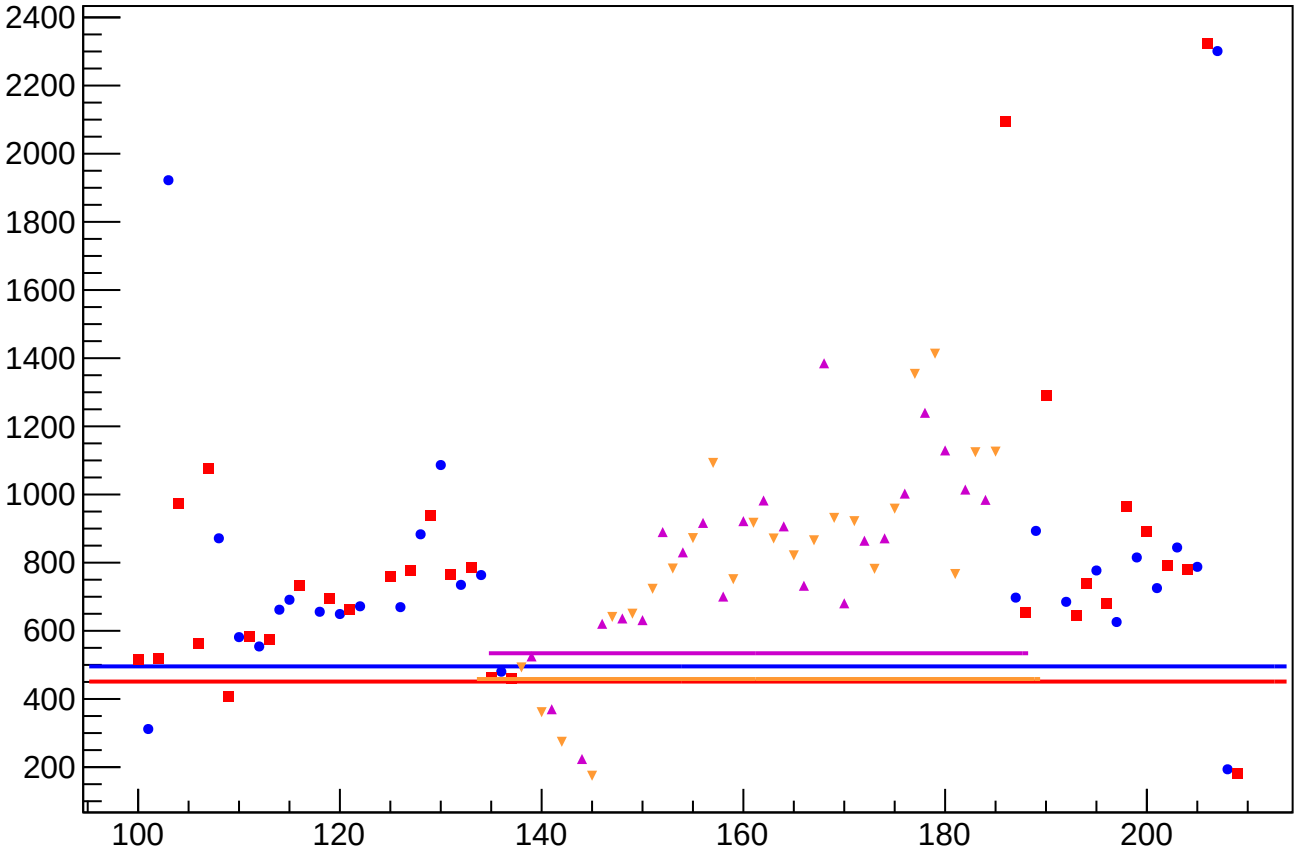
Right: -46.987+/-99.971 χ^2/NDF: 67.0/56

In: 171.254+/-103.041 χ^2/NDF:45.1/49

Out: -138.066+/-93.788 χ^2/NDF:55.0/53

All: 2.085+/-69.359 χ^2/NDF: 105.0/103

asym_us_avg_at1lr_avg_dd_reg_correction_rms vs Slug, Sign Corrected



Right In: 495.634+/-0.105 χ^2/NDF: 7005983.0/26

Left Out: 458.579+/-0.092 χ^2/NDF:11426734.4/23

Right Out: 451.093+/-0.096 χ^2/NDF: 9390006.7/29

Left In: 534.161+/-0.101 χ^2/NDF:8443293.1/22

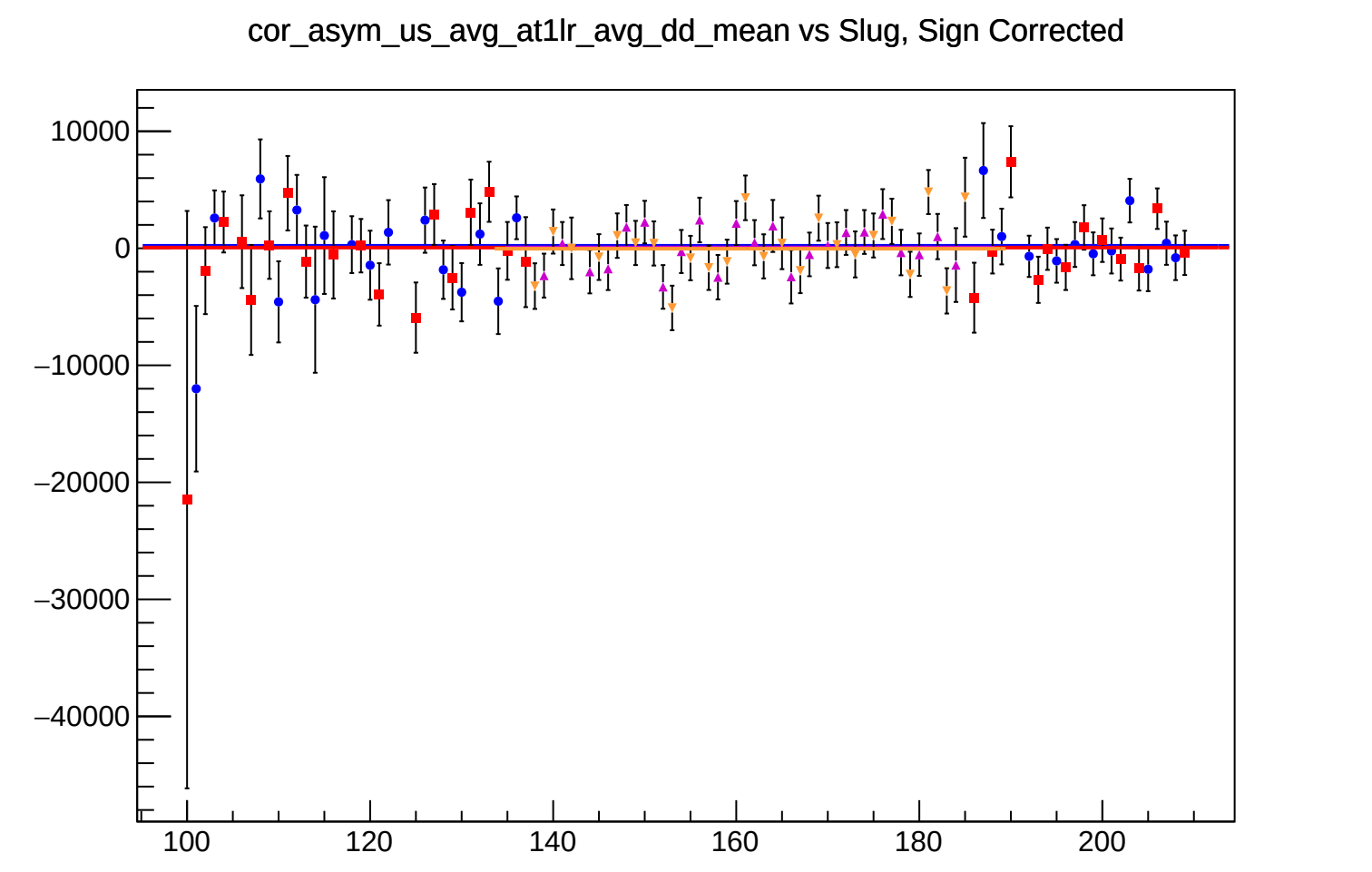
Left: 492.711+/-0.068 χ^2/NDF: 20175085.0/46

Right: 471.346+/-0.071 χ^2/NDF: 16494428.4/56

In: 515.550+/-0.073 χ^2/NDF:15519094.1/49

Out: 454.986+/-0.066 χ^2/NDF:20819921.5/53

All: 482.427+/-0.049 χ^2/NDF: 36716890.9/10



Right In: 211.926+/-455.814 χ^2/NDF: 28.7/26

Left Out: -34.742+/-401.970 χ^2/NDF:35.4/23

Right Out: 61.762+/-444.693 χ^2/NDF: 34.5/29

Left In: 52.714+/-404.703 χ^2/NDF:19.4/22

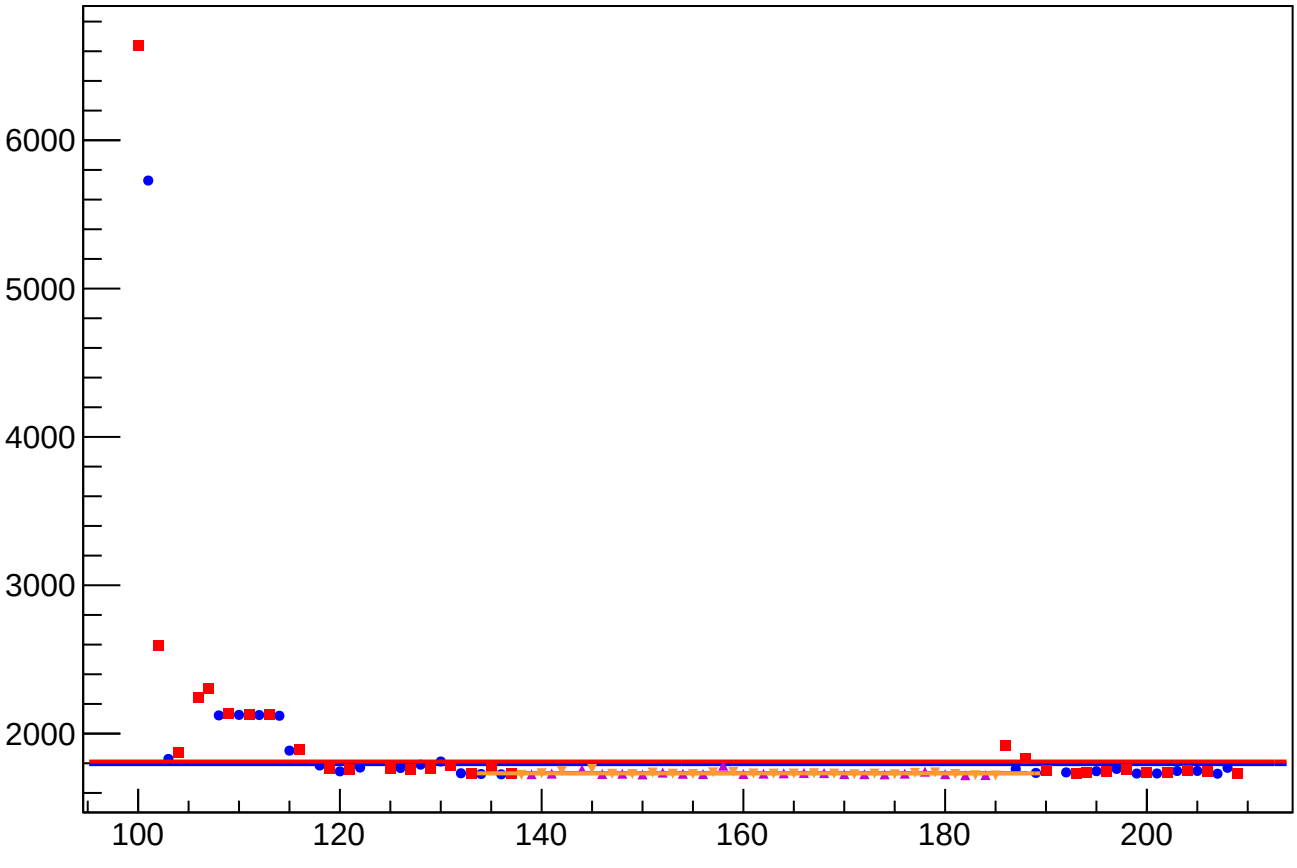
Left: 8.689+/-285.197 χ^2/NDF: 54.8/46

Right: 134.990+/-318.304 χ^2/NDF: 63.3/56

In: 122.896+/-302.632 χ^2/NDF:48.2/49

Out: 8.653+/-298.199 χ^2/NDF:69.9/53

All: 64.932+/-212.408 χ^2/NDF: 118.1/103



Right In: 1794.206+/-0.322 χ^2/NDF: 707715.8/26

Left Out: 1731.985+/-0.284 χ^2/NDF:937.2/23

Right Out: 1811.677+/-0.314 χ^2/NDF: 316443.0/29

Left In: 1733.315+/-0.286 χ^2/NDF:2230.5/22

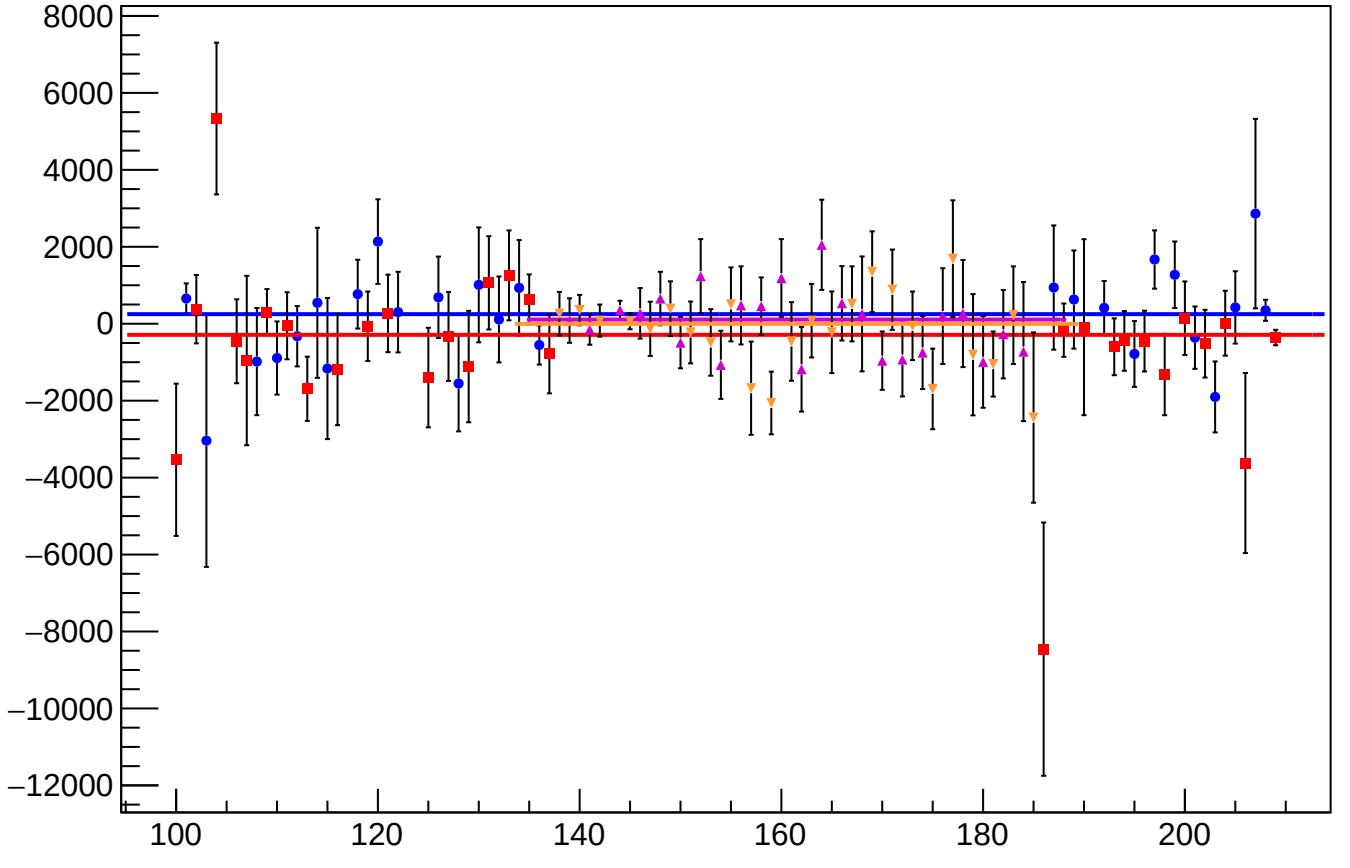
Left: 1732.646+/-0.202 χ^2/NDF: 3178.5/46

Right: 1803.157+/-0.225 χ^2/NDF: 1025664.2/56

In: 1760.157+/-0.214 χ^2/NDF:729904.4/49

Out: 1767.820+/-0.211 χ^2/NDF:352728.0/53

All: 1764.045+/-0.150 χ^2/NDF: 1083283.1/10



Right In: 249.122+/-148.230 χ^2/NDF: 28.1/26

Left Out: -2.529+/-130.054 χ^2/NDF:20.3/23

Right Out: -288.665+/-135.366 χ^2/NDF: 32.4/29

Left In: 108.358+/-143.315 χ^2/NDF:17.0/22

Left: 47.548+/-96.310 χ^2/NDF: 37.6/46

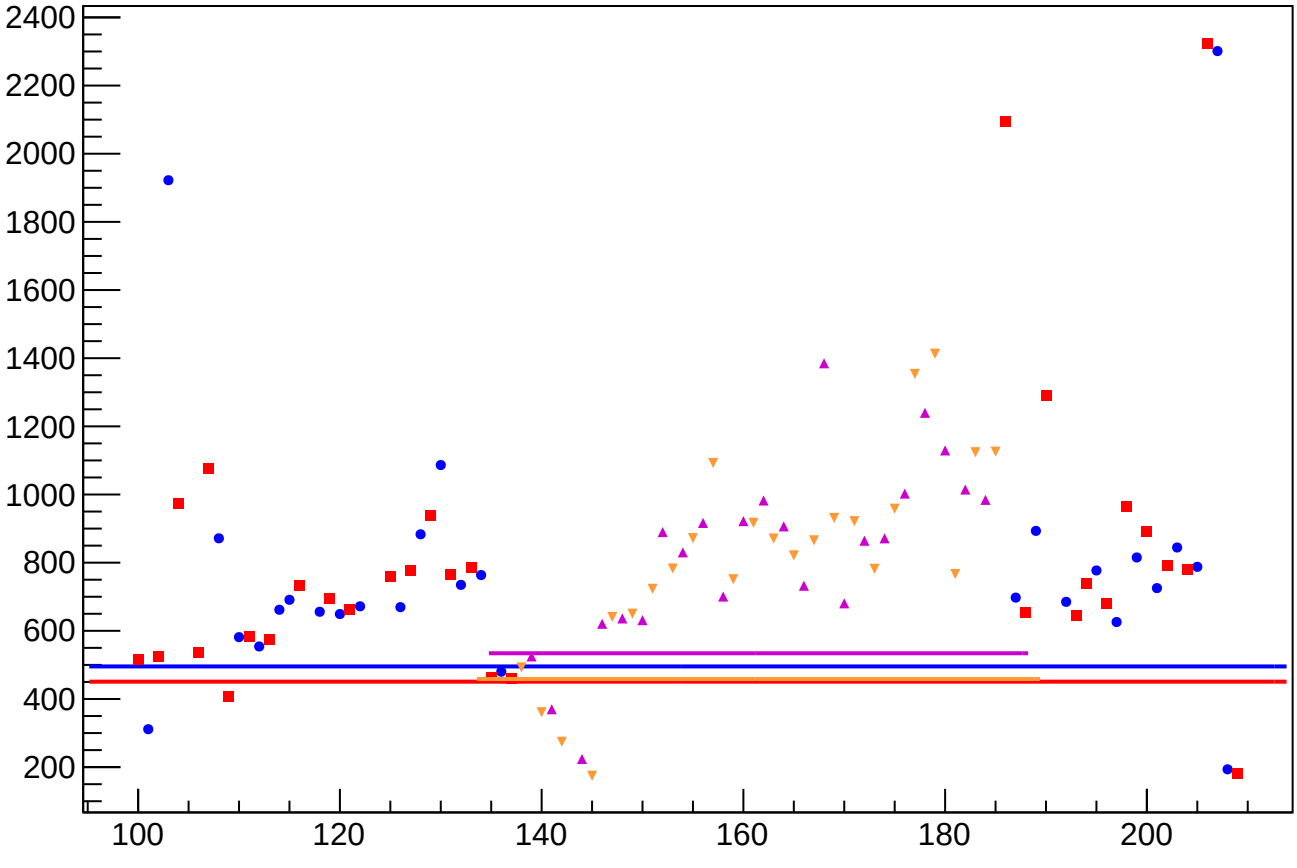
Right: -44.116+/-99.957 χ^2/NDF: 67.7/56

In: 176.368+/-103.033 χ^2/NDF:45.5/49

Out: -139.873+/-93.784 χ^2/NDF:55.0/53

All: 3.419+/-69.355 χ^2/NDF: 105.7/103

asym_us_avg_at1lr_avg_dd_cor_correction_rms vs Slug, Sign Corrected



Right In: 495.496+/-0.105 χ^2/NDF: 7009726.1/26

Left Out: 458.589+/-0.092 χ^2/NDF:11426319.1/23

Right Out: 450.804+/-0.096 χ^2/NDF: 9384447.0/29

Left In: 534.168+/-0.101 χ^2/NDF:8442812.5/22

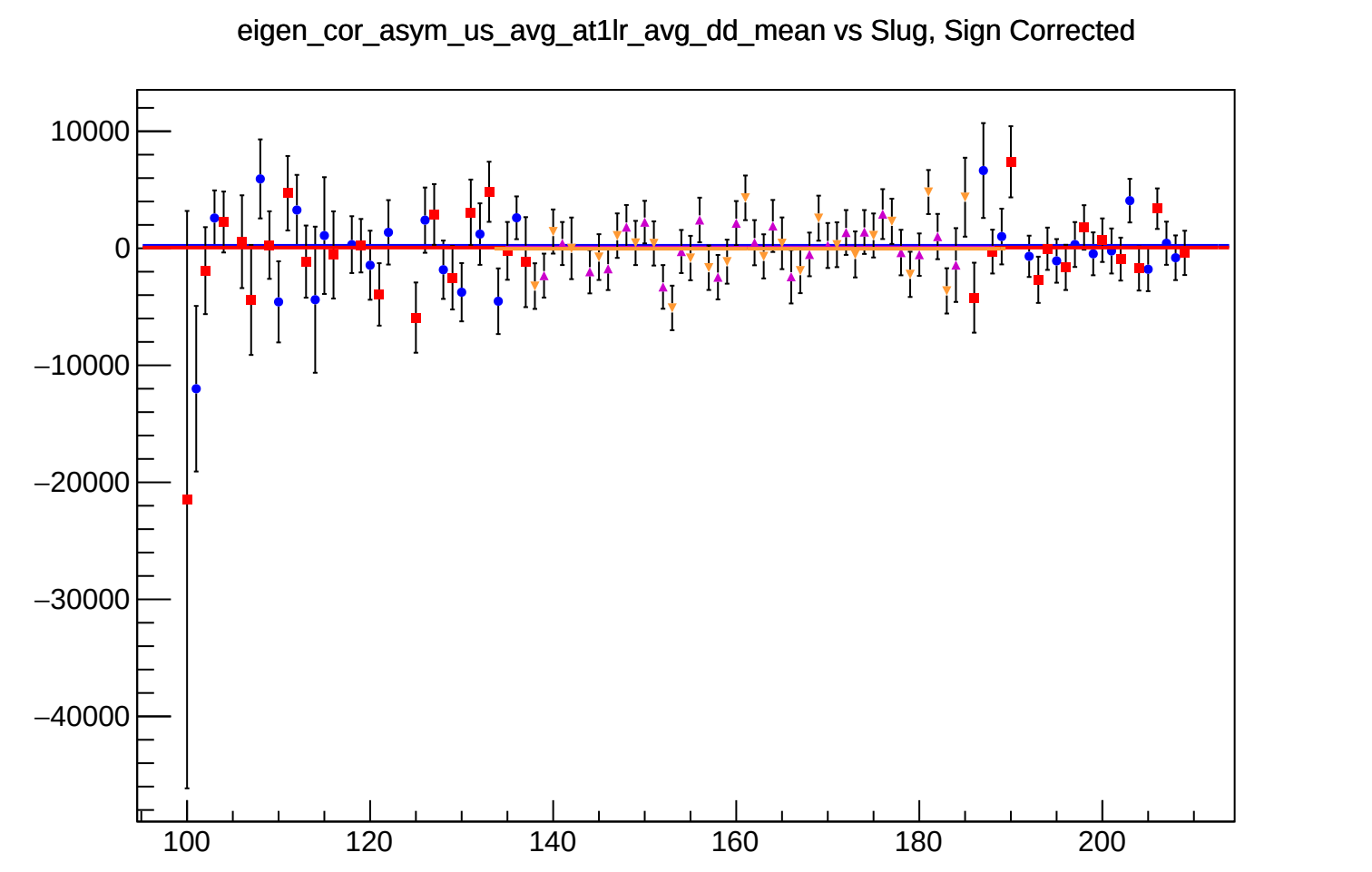
Left: 492.721+/-0.068 χ^2/NDF: 20174164.1/46

Right: 471.127+/-0.071 χ^2/NDF: 16493305.0/56

In: 515.484+/-0.073 χ^2/NDF:15522900.8/49

Out: 454.852+/-0.066 χ^2/NDF:20814205.9/53

All: 482.325+/-0.049 χ^2/NDF: 36715874.3/10



Right In: 211.926+/-455.814 χ^2/NDF: 28.7/26

Left Out: -34.742+/-401.970 χ^2/NDF:35.4/23

Right Out: 61.762+/-444.693 χ^2/NDF: 34.5/29

Left In: 52.714+/-404.703 χ^2/NDF:19.4/22

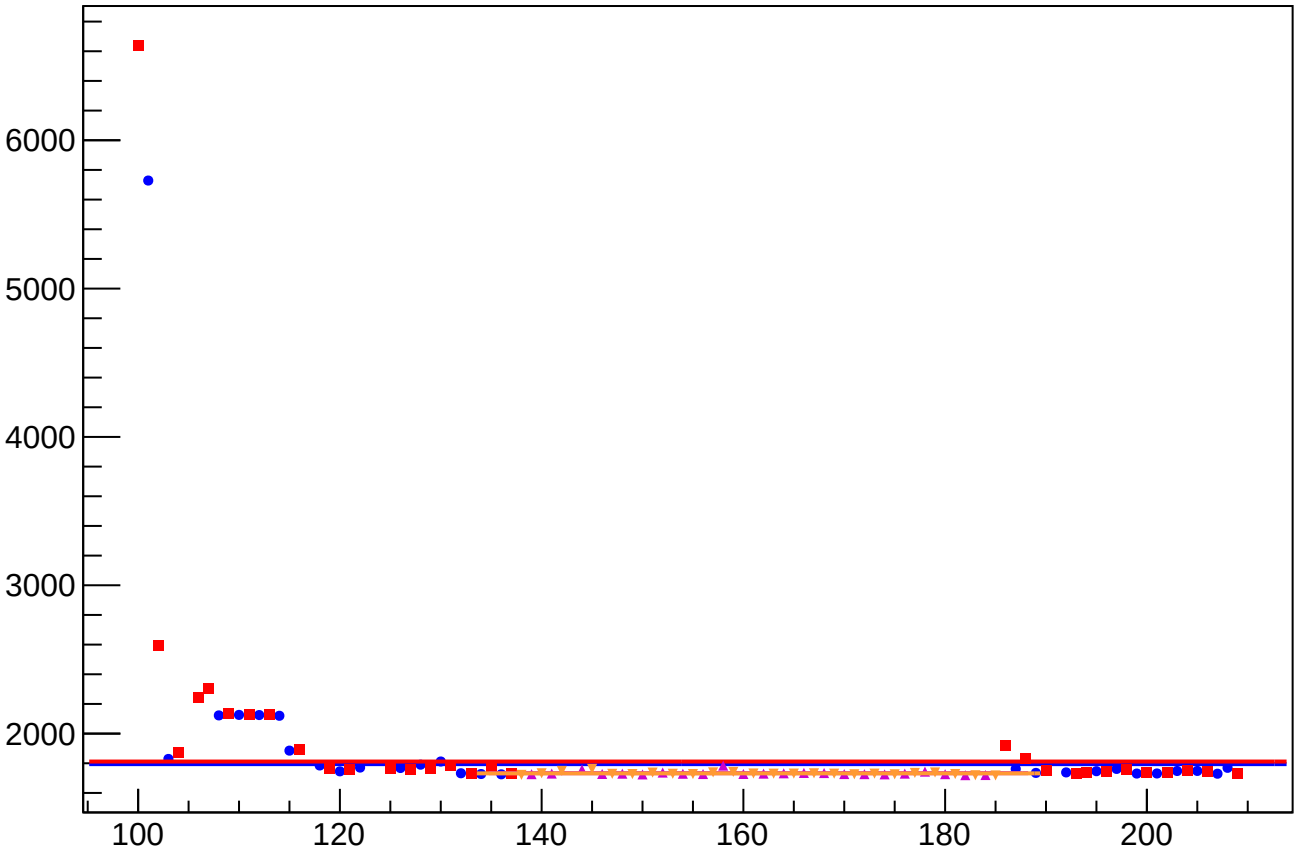
Left: 8.689+/-285.197 χ^2/NDF: 54.8/46

Right: 134.990+/-318.304 χ^2/NDF: 63.3/56

In: 122.896+/-302.632 χ^2/NDF:48.2/49

Out: 8.653+/-298.199 χ^2/NDF:69.9/53

All: 64.932+/-212.408 χ^2/NDF: 118.1/103



Right In: 1794.206+/-0.322 χ^2/NDF: 707715.8/26

Left Out: 1731.985+/-0.284 χ^2/NDF:937.2/23

Right Out: 1811.677+/-0.314 χ^2/NDF: 316443.0/29

Left In: 1733.315+/-0.286 χ^2/NDF:2230.5/22

Left: 1732.646+/-0.202 χ^2/NDF: 3178.5/46

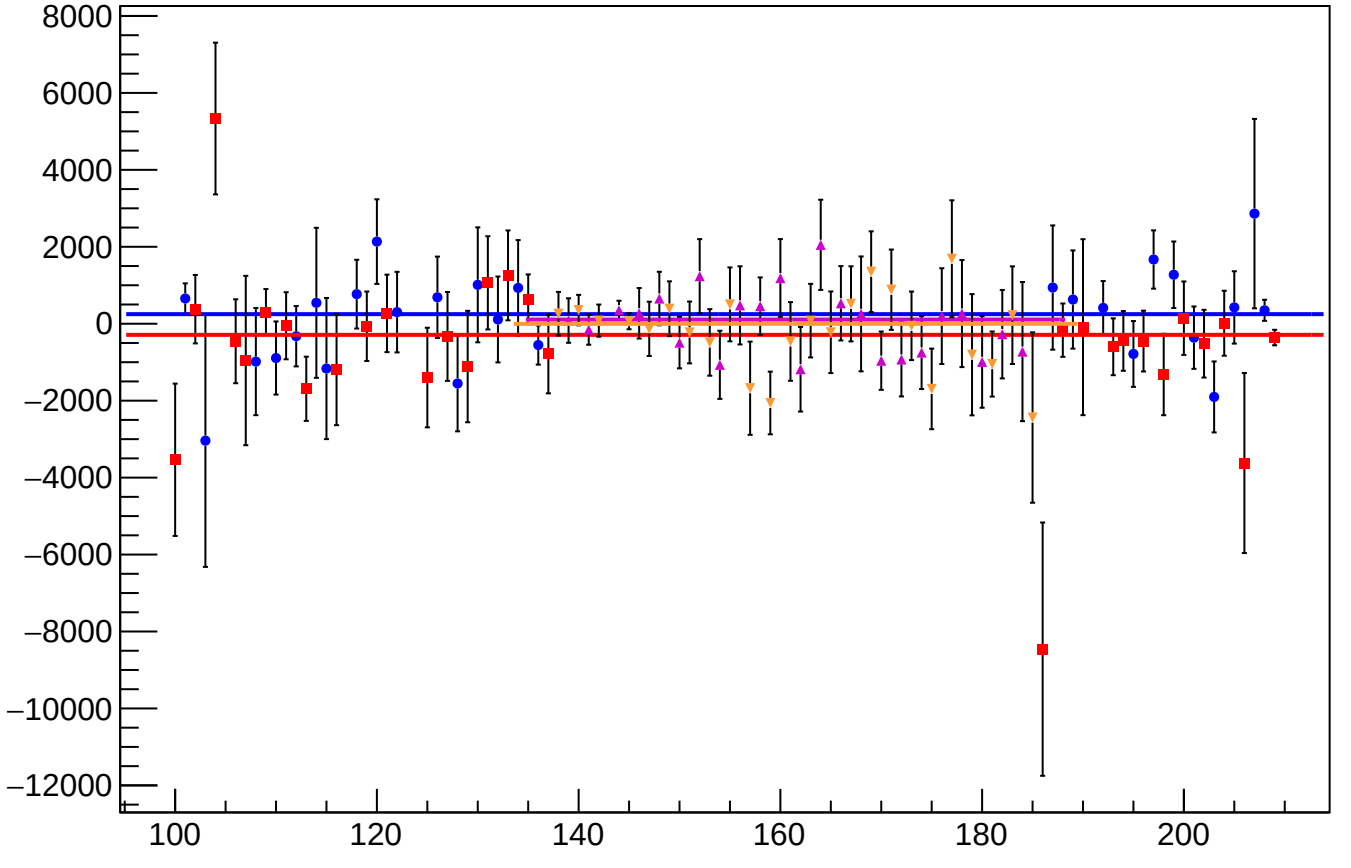
Right: 1803.157+/-0.225 χ^2/NDF: 1025664.2/56

In: 1760.157+/-0.214 χ^2/NDF:729904.4/49

Out: 1767.820+/-0.211 χ^2/NDF:352728.0/53

All: 1764.045+/-0.150 χ^2/NDF: 1083283.1/10

asym_us_avg_at1lr_avg_dd_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: 249.122+/-148.230 χ^2/NDF: 28.1/26

Left Out: -2.529+/-130.054 χ^2/NDF:20.3/23

Right Out: -288.665+/-135.366 χ^2/NDF: 32.4/29

Left In: 108.358+/-143.315 χ^2/NDF:17.0/22

Left: 47.548+/-96.310 χ^2/NDF: 37.6/46

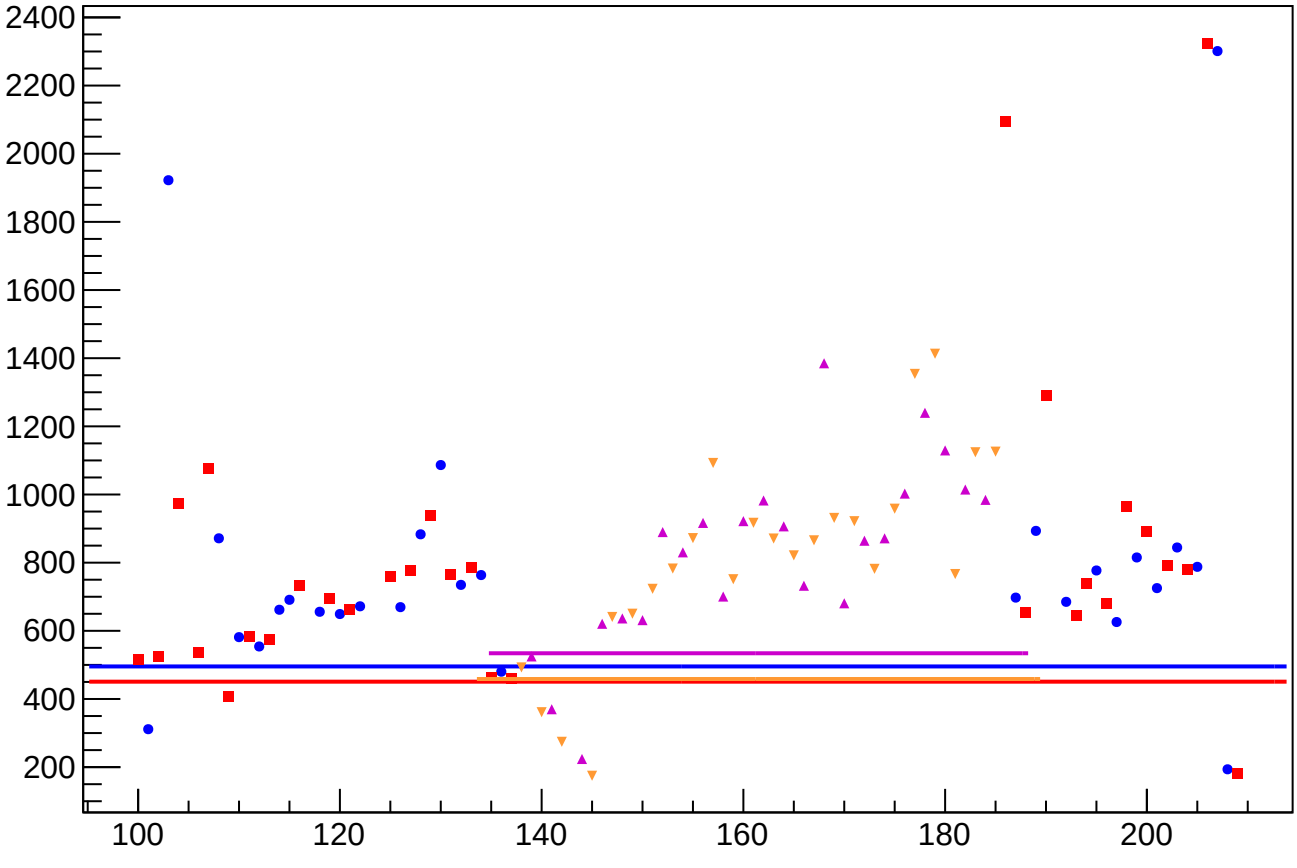
Right: -44.116+/-99.957 χ^2/NDF: 67.7/56

In: 176.368+/-103.033 χ^2/NDF:45.5/49

Out: -139.873+/-93.784 χ^2/NDF:55.0/53

All: 3.419+/-69.355 χ^2/NDF: 105.7/103

asym_us_avg_at1lr_avg_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 495.496+/-0.105 χ^2/NDF: 7009726.1/26

Left Out: 458.589+/-0.092 χ^2/NDF:11426319.1/23

Right Out: 450.804+/-0.096 χ^2/NDF: 9384447.0/29

Left In: 534.168+/-0.101 χ^2/NDF:8442812.5/22

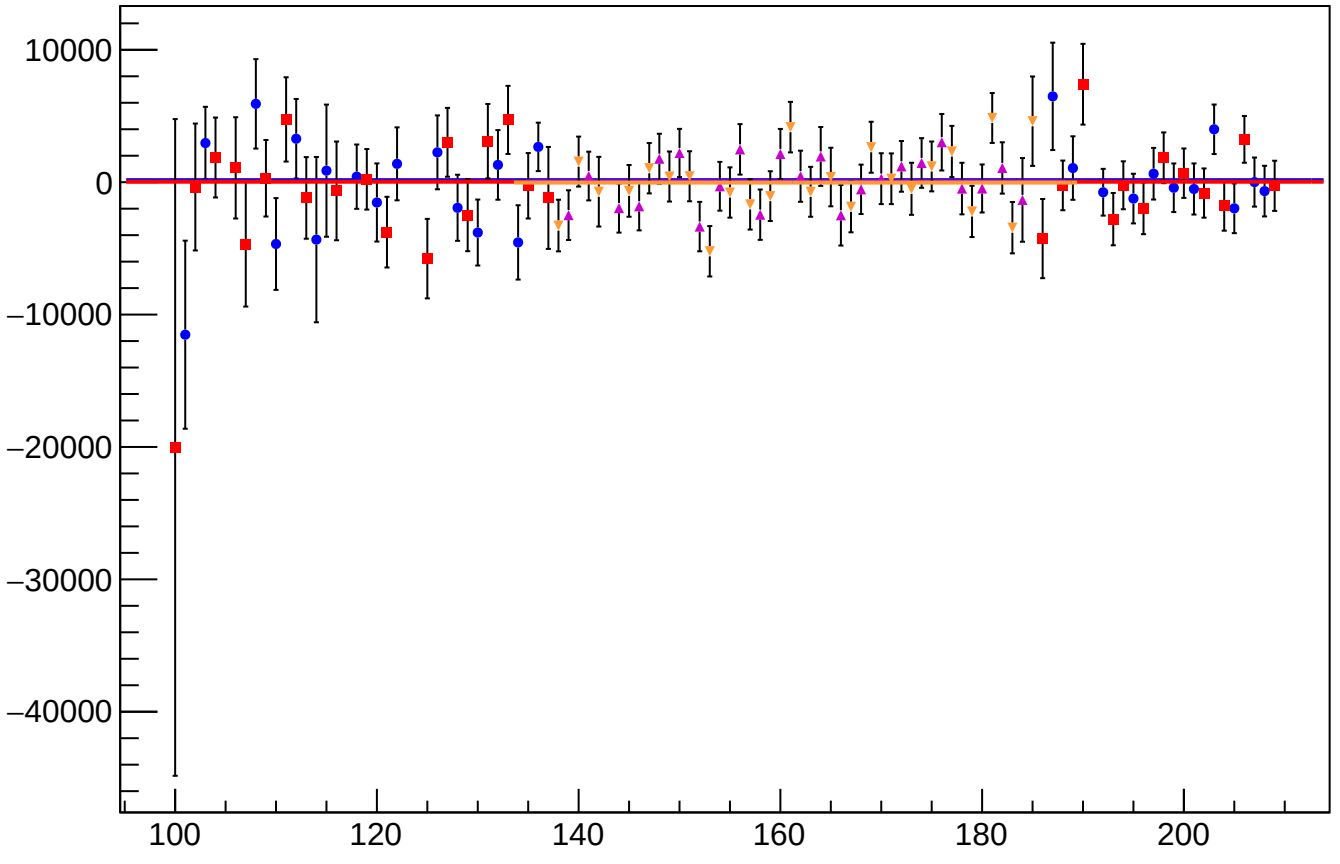
Left: 492.721+/-0.068 χ^2/NDF: 20174164.1/46

Right: 471.127+/-0.071 χ^2/NDF: 16493305.0/56

In: 515.484+/-0.073 χ^2/NDF:15522900.8/49

Out: 454.852+/-0.066 χ^2/NDF:20814205.9/53

All: 482.325+/-0.049 χ^2/NDF: 36715874.3/10



Right In: 154.572+/-459.404 χ^2/NDF: 28.8/26

Left Out: -29.389+/-402.317 χ^2/NDF:35.4/23

Right Out: 36.254+/-449.278 χ^2/NDF: 33.5/29

Left In: 42.465+/-405.052 χ^2/NDF:19.9/22

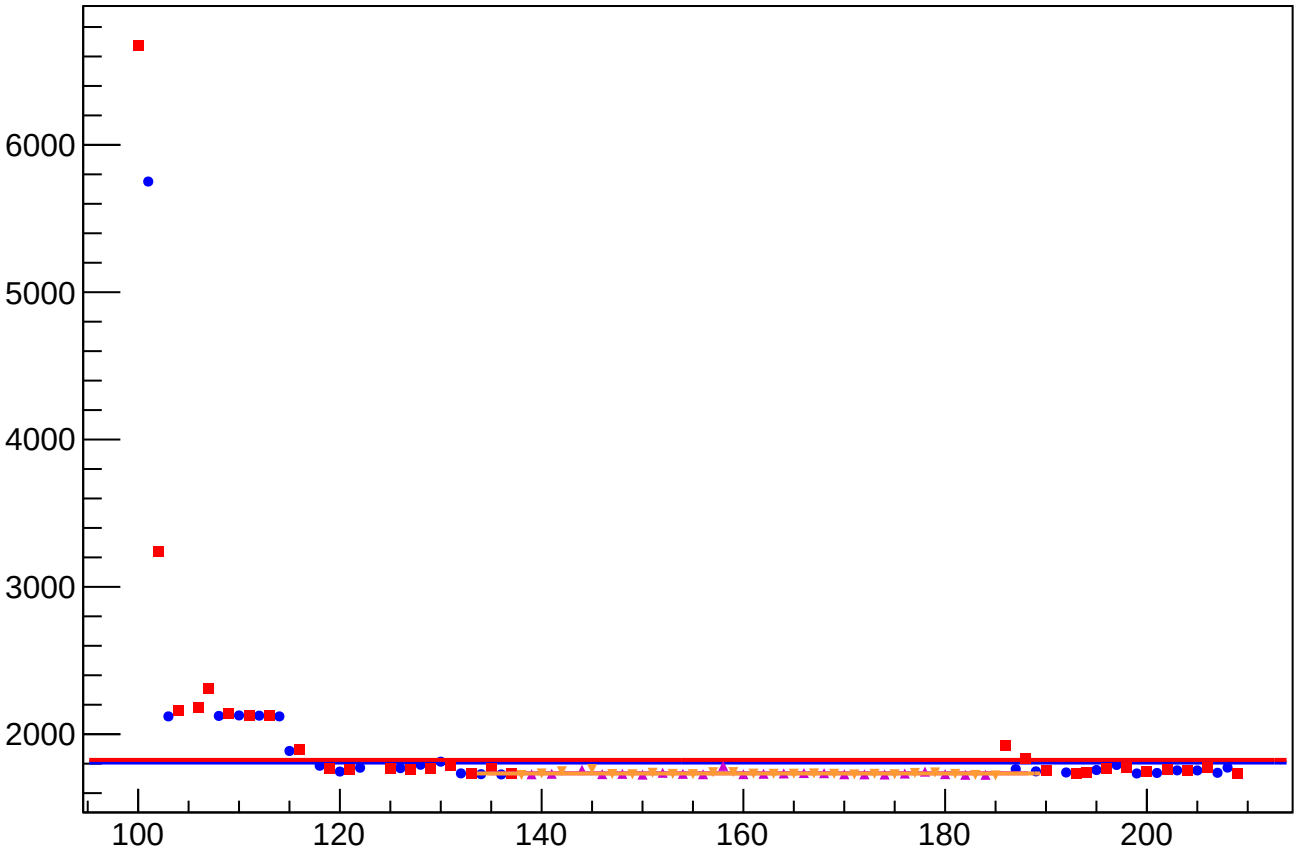
Left: 6.295+/-285.443 χ^2/NDF: 55.3/46

Right: 94.095+/-321.208 χ^2/NDF: 62.4/56

In: 91.497+/-303.823 χ^2/NDF:48.7/49

Out: -0.176+/-299.713 χ^2/NDF:69.0/53

All: 45.037+/-213.368 χ^2/NDF: 117.7/103



Right In: 1807.555+/-0.325 χ^2/NDF: 732735.4/26

Left Out: 1733.478+/-0.284 χ^2/NDF:901.3/23

Right Out: 1825.547+/-0.318 χ^2/NDF: 416997.4/29

Left In: 1734.810+/-0.286 χ^2/NDF:2175.7/22

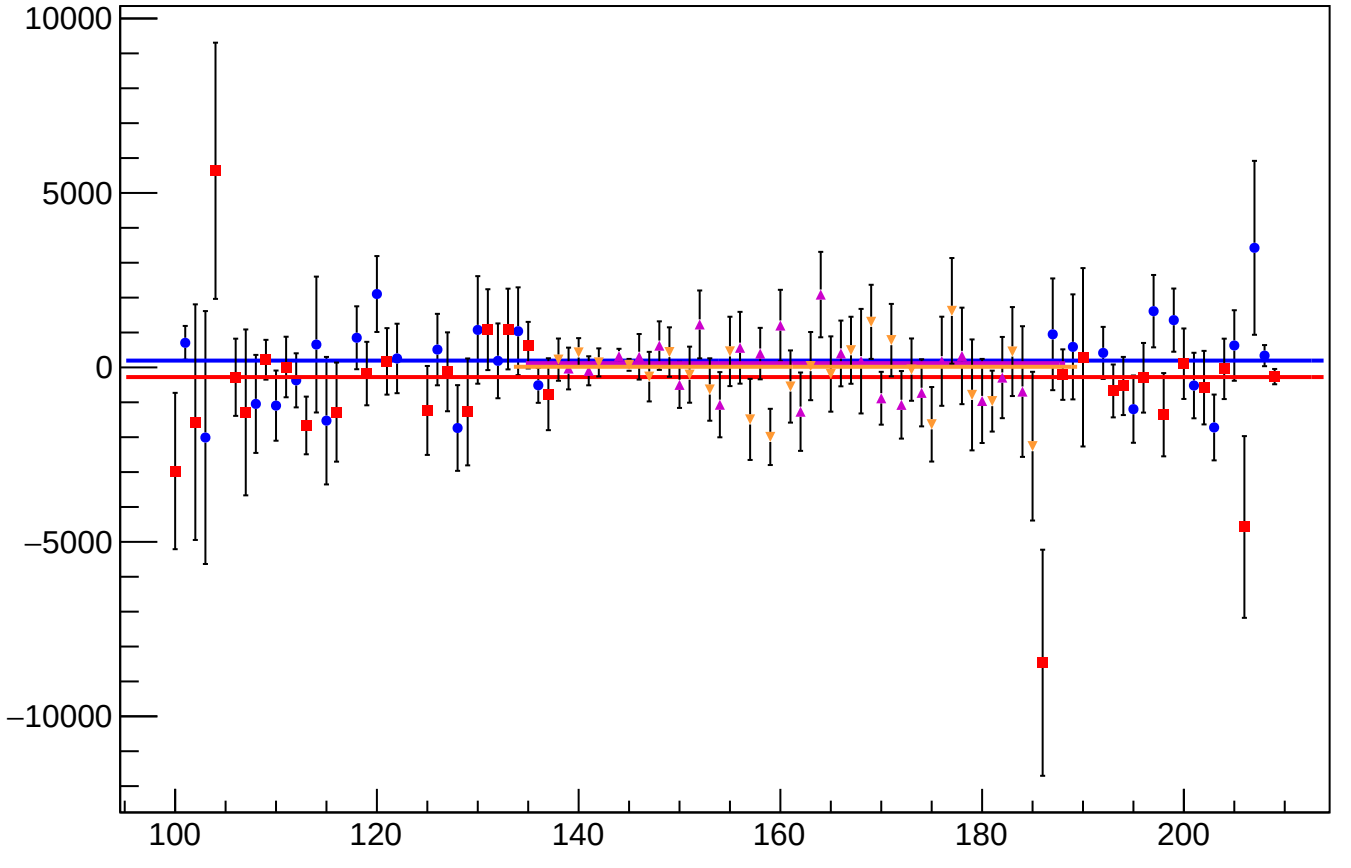
Left: 1734.140+/-0.202 χ^2/NDF: 3087.9/46

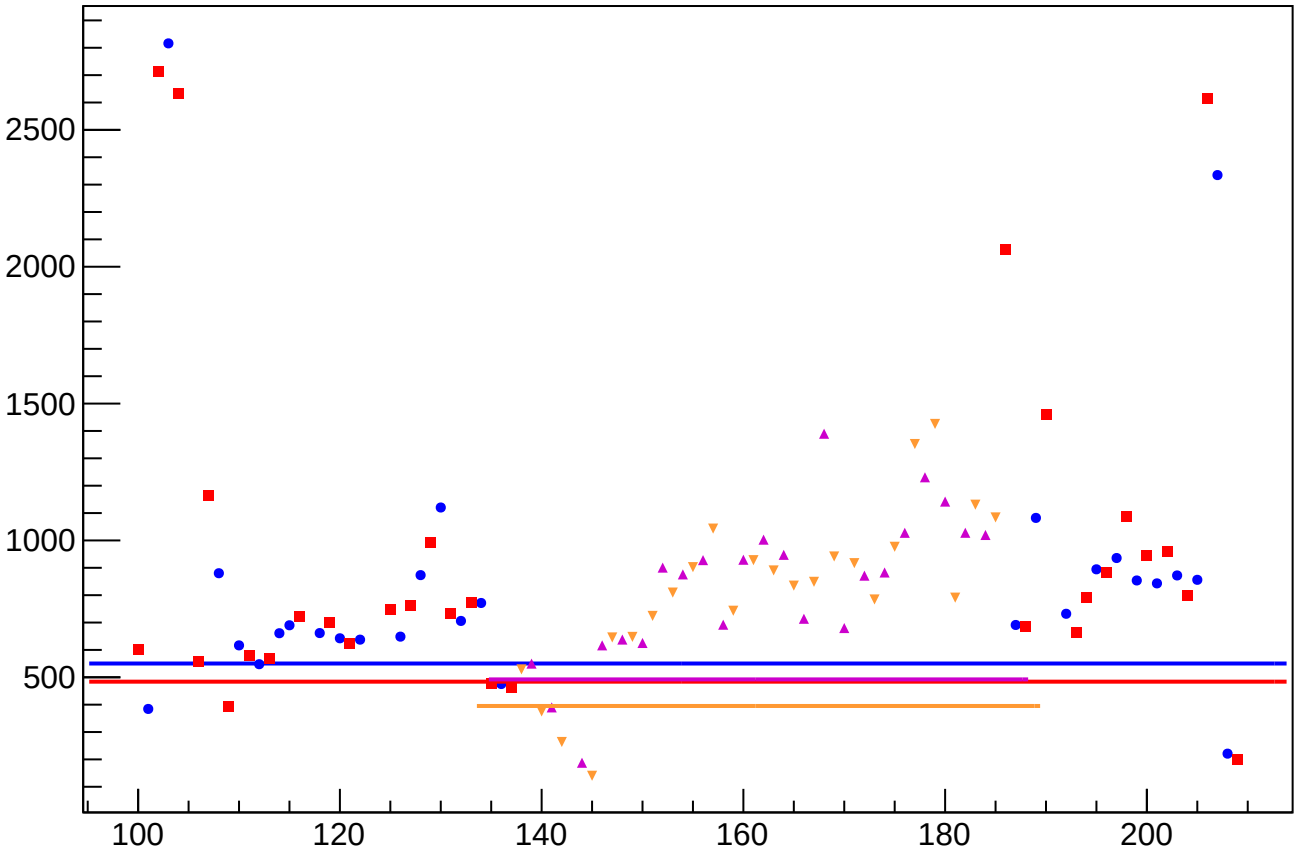
Right: 1816.751+/-0.227 χ^2/NDF: 1151300.8/56

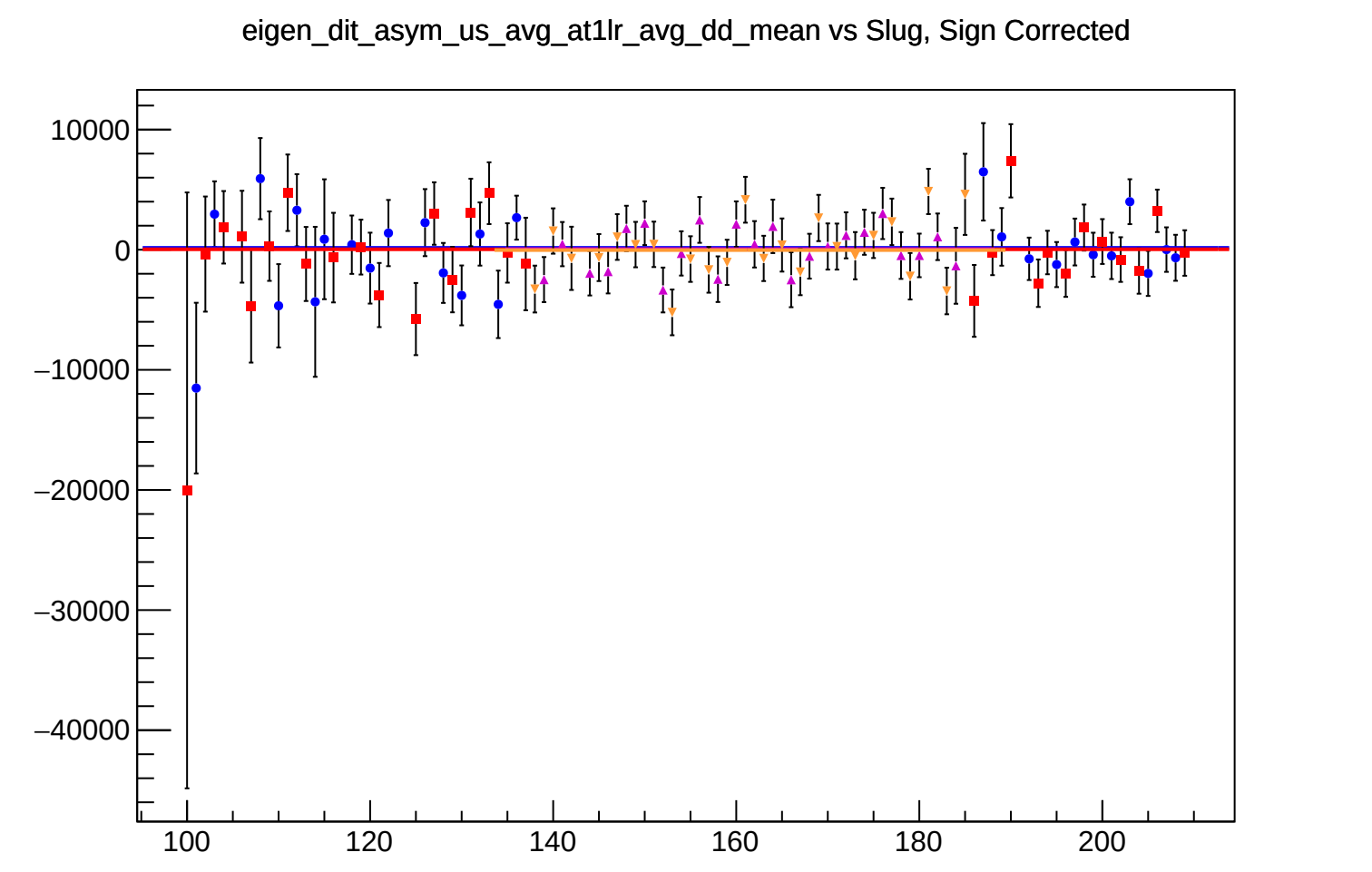
In: 1766.626+/-0.215 χ^2/NDF:763125.1/49

Out: 1774.451+/-0.212 χ^2/NDF:464510.8/53

All: 1770.592+/-0.151 χ^2/NDF: 1228308.2/10


asym_us_avg_at1lr_avg_dd_dit_correction_mean vs Slug, Sign Corrected
10000
5000
0
−5000
−10000
100
120
140
160
180
200
Right In: 195.372+/-160.584 χ²/NDF: 27.1/26
Left Out: 18.027+/-119.333 χ²/NDF:19.4/23
Right Out: -276.970+/-144.726 χ²/NDF: 25.3/29
Left In: 121.705+/-137.150 χ²/NDF:16.5/22
Left: 62.699+/-90.026 χ²/NDF: 36.2/46
Right: -65.266+/-107.507 χ²/NDF: 57.2/56
In: 152.776+/-104.290 χ²/NDF:43.7/49
Out: -101.363+/-92.071 χ²/NDF:47.2/53
All: 9.953+/-69.022 χ²/NDF: 94.2/103


asym_us_avg_at1lr_avg_dd_dit_correction_rms vs Slug, Sign Corrected
2500
2000
1500
1000
500
100
120
140
160
180
200
Right In: 550.341+/-0.114 χ²/NDF: 6932111.5/26
Left Out: 395.188+/-0.084 χ²/NDF:14334419.9/23
Right Out: 484.008+/-0.102 χ²/NDF: 10602896.5/29
Left In: 492.294+/-0.097 χ²/NDF:10419498.8/22
Left: 437.028+/-0.064 χ²/NDF: 25324537.7/46
Right: 513.738+/-0.076 χ²/NDF: 17723317.3/56
In: 516.777+/-0.074 χ²/NDF:17502713.7/49
Out: 431.135+/-0.065 χ²/NDF:25385726.5/53
All: 468.647+/-0.049 χ²/NDF: 43646398.4/10



Right In: 154.574+/-459.404 χ^2/NDF: 28.8/26

Left Out: -29.392+/-402.317 χ^2/NDF:35.4/23

Right Out: 36.253+/-449.278 χ^2/NDF: 33.5/29

Left In: 42.465+/-405.052 χ^2/NDF:19.9/22

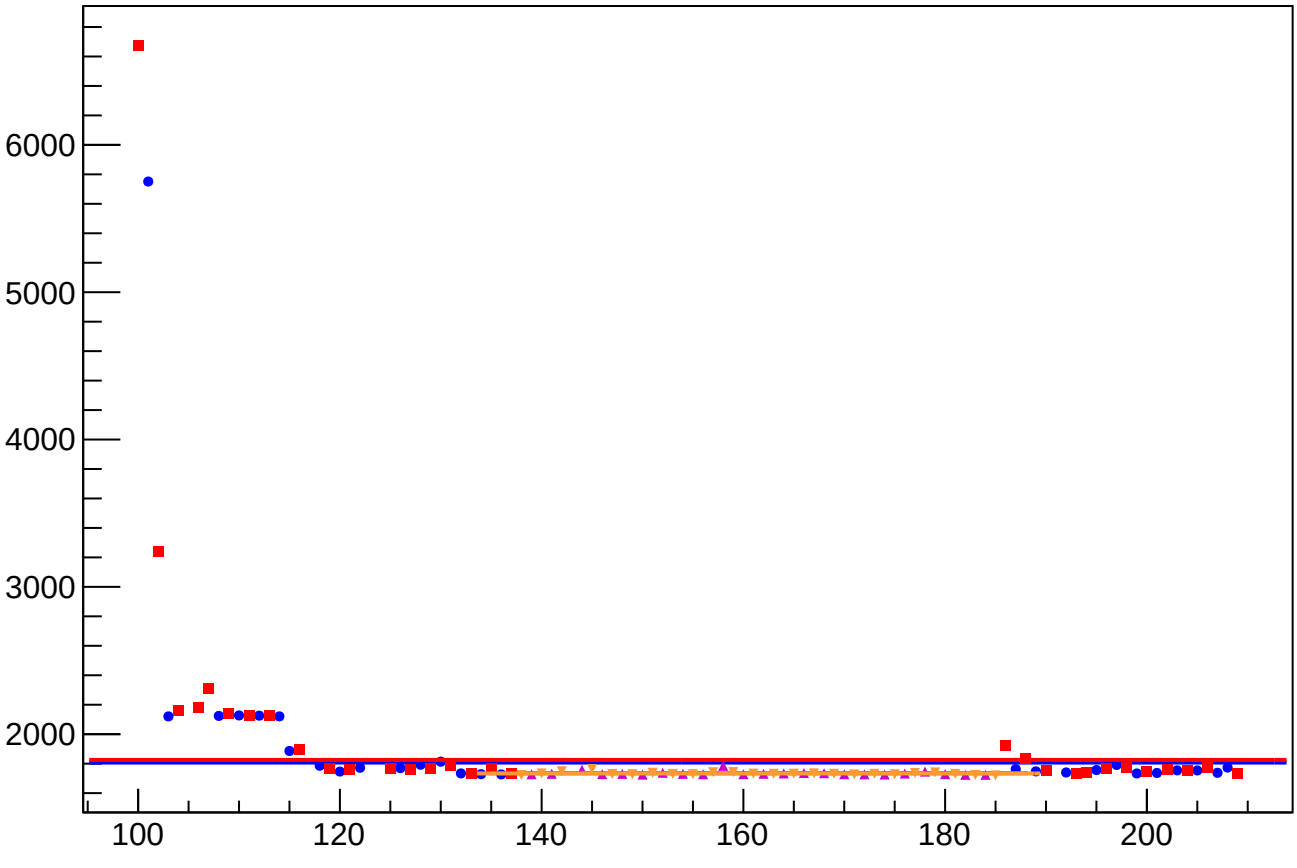
Left: 6.293+/-285.443 χ^2/NDF: 55.3/46

Right: 94.095+/-321.208 χ^2/NDF: 62.4/56

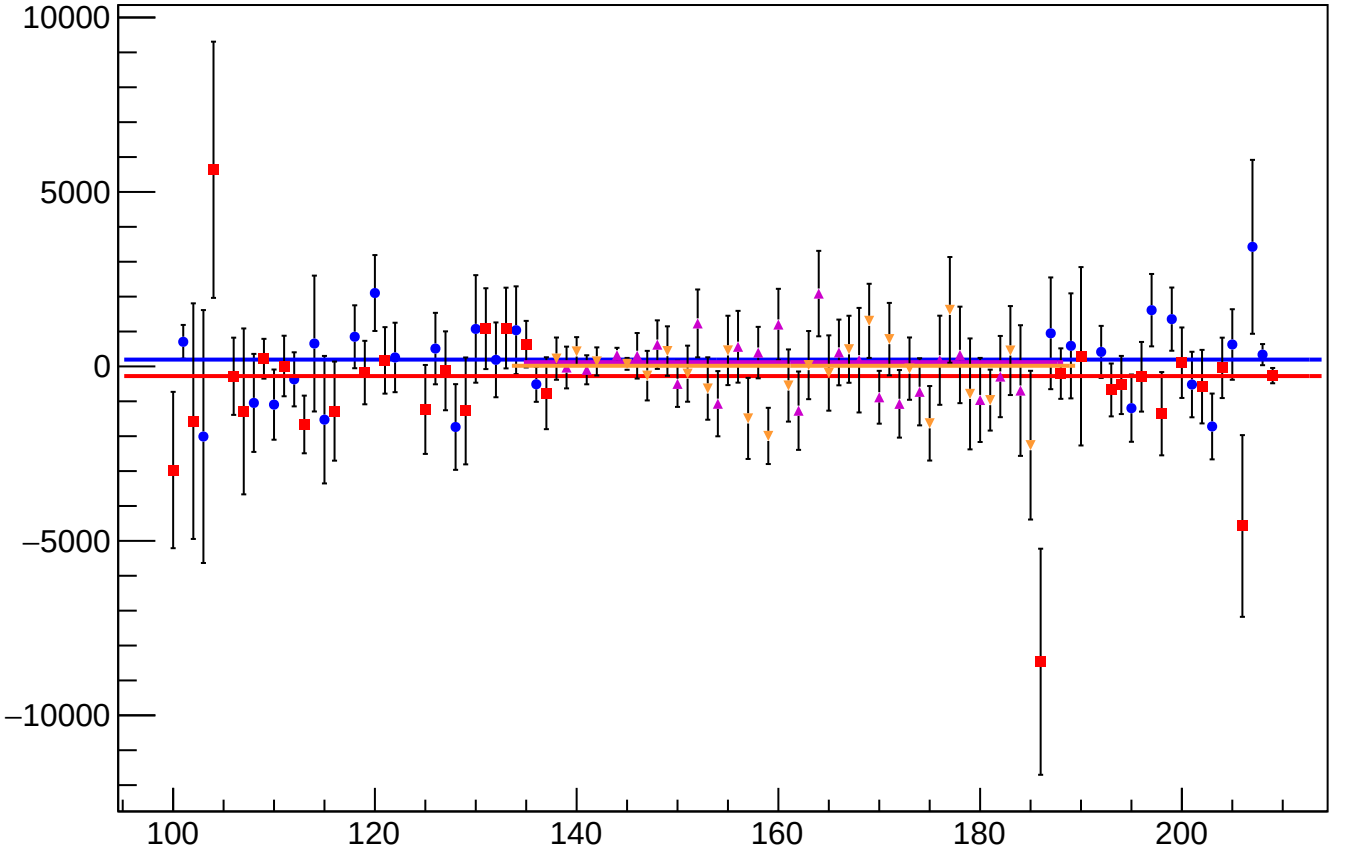
In: 91.498+/-303.823 χ^2/NDF:48.7/49

Out: -0.178+/-299.713 χ^2/NDF:69.0/53

All: 45.036+/-213.368 χ^2/NDF: 117.7/103


eigen_dit_asym_us_avg_at1lr_avg_dd_rms vs Slug, Sign Corrected
6000
5000
4000
3000
2000
100
120
140
160
180
200
Right In: 1807.555+/-0.325 χ²/NDF: 732735.0/26
Left Out: 1733.478+/-0.284 χ²/NDF:901.3/23
Right Out: 1825.547+/-0.318 χ²/NDF: 416996.4/29
Left In: 1734.810+/-0.286 χ²/NDF:2175.7/22
Left: 1734.140+/-0.202 χ²/NDF: 3087.9/46
Right: 1816.751+/-0.227 χ²/NDF: 1151299.5/56
In: 1766.626+/-0.215 χ²/NDF:763124.7/49
Out: 1774.451+/-0.212 χ²/NDF:464509.9/53
All: 1770.592+/-0.151 χ²/NDF: 1228306.9/10

asym_us_avg_at1lr_avg_dd_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: 195.371+/-160.583 χ^2/NDF: 27.1/26

Left Out: 18.026+/-119.333 χ^2/NDF:19.4/23

Right Out: -276.964+/-144.725 χ^2/NDF: 25.3/29

Left In: 121.706+/-137.150 χ^2/NDF:16.5/22

Left: 62.698+/-90.026 χ^2/NDF: 36.2/46

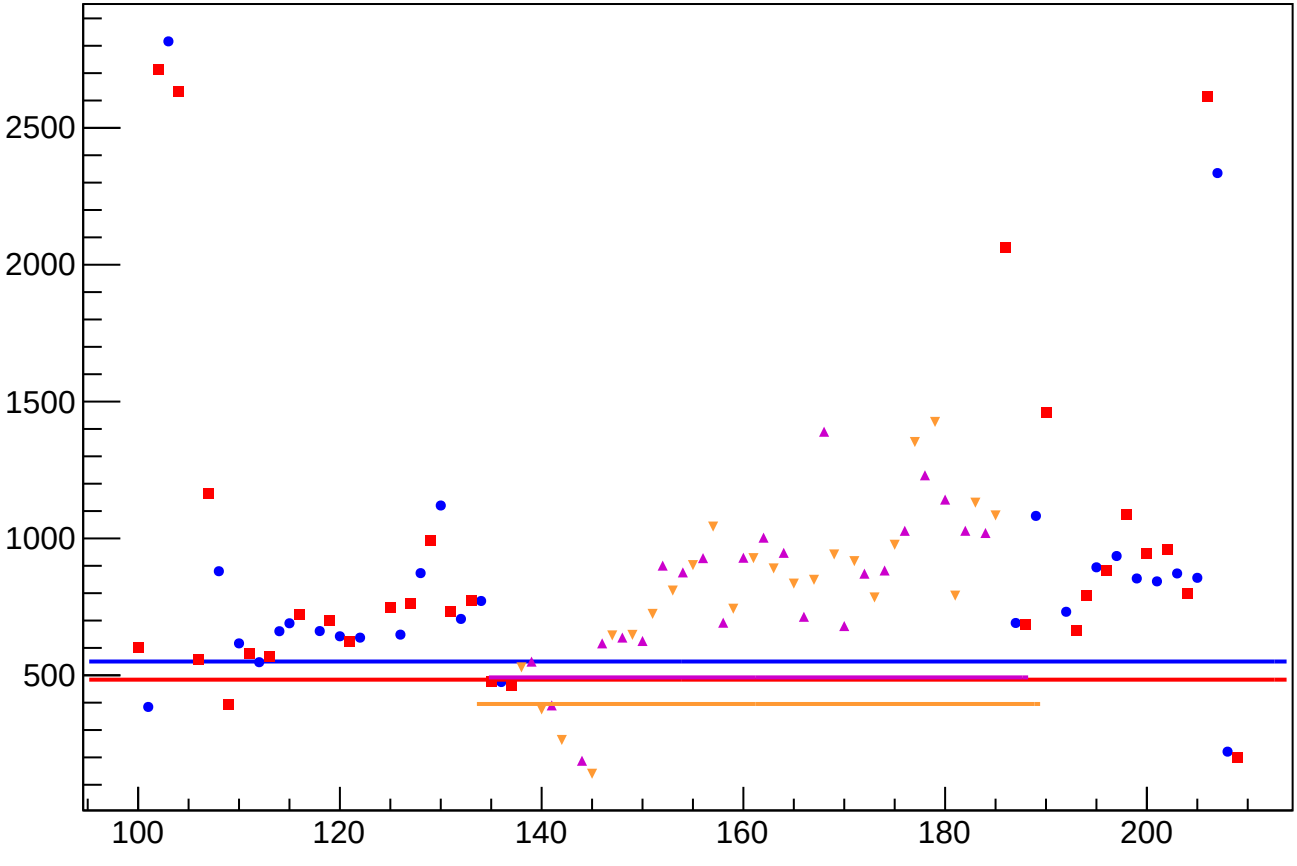
Right: -65.264+/-107.507 χ^2/NDF: 57.2/56

In: 152.776+/-104.290 χ^2/NDF:43.7/49

Out: -101.363+/-92.071 χ^2/NDF:47.2/53

All: 9.953+/-69.022 χ^2/NDF: 94.2/103

asym_us_avg_at1lr_avg_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 550.337+/-0.114 χ^2/NDF: 6932192.1/26

Left Out: 395.188+/-0.084 χ^2/NDF:14334464.6/23

Right Out: 484.003+/-0.102 χ^2/NDF: 10603002.5/29

Left In: 492.295+/-0.097 χ^2/NDF:10419523.2/22

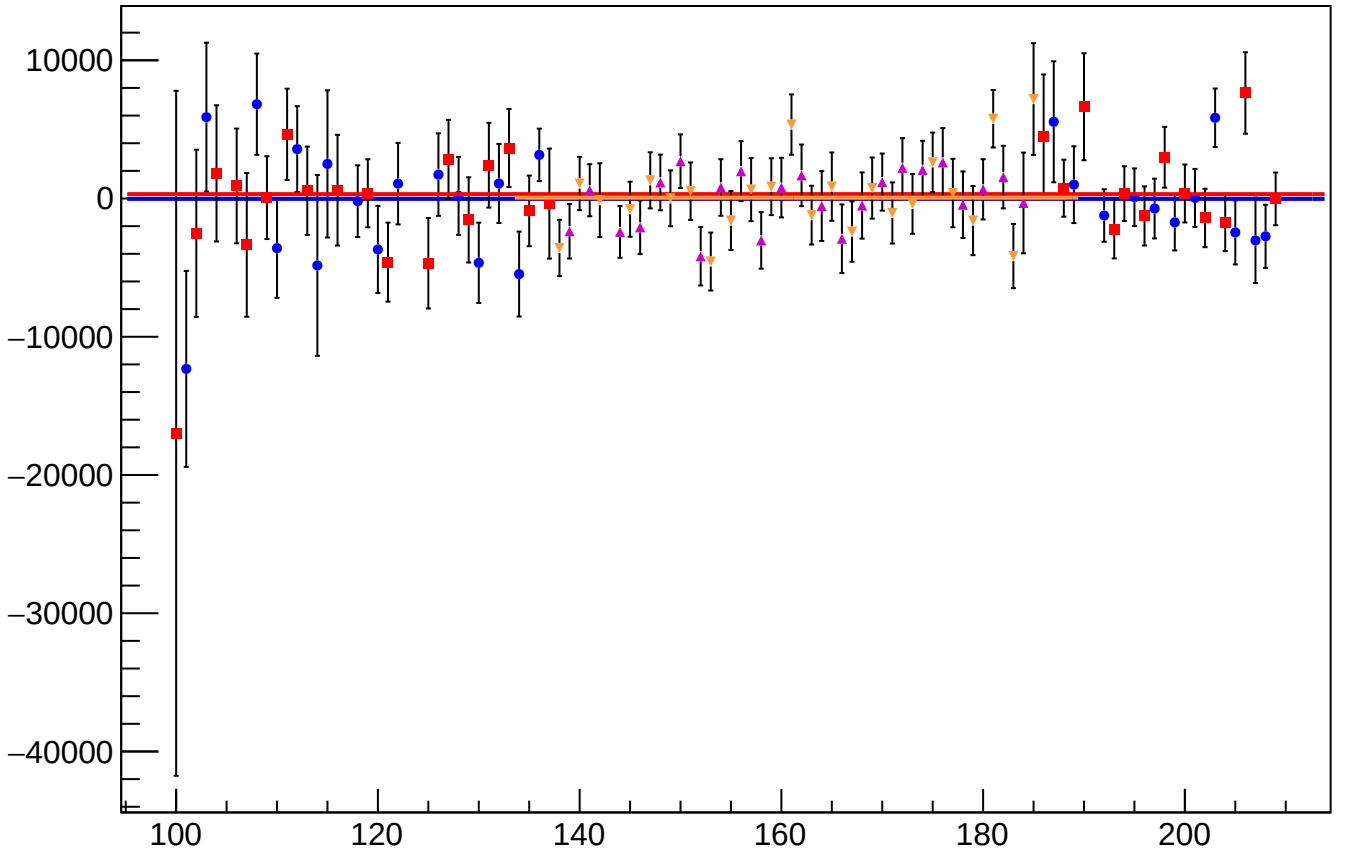
Left: 437.028+/-0.064 χ^2/NDF: 25324612.8/46

Right: 513.734+/-0.076 χ^2/NDF: 17723512.9/56

In: 516.776+/-0.074 χ^2/NDF:17502798.0/49

Out: 431.133+/-0.065 χ^2/NDF:25385833.7/53

All: 468.646+/-0.049 χ^2/NDF: 43646603.8/10



Right In: -27.538+/-521.504 χ^2/NDF: 35.4/26

Left Out: 66.661+/-449.750 χ^2/NDF:33.6/23

Right Out: 317.604+/-505.130 χ^2/NDF: 26.5/29

Left In: 25.575+/-450.755 χ^2/NDF:20.0/22

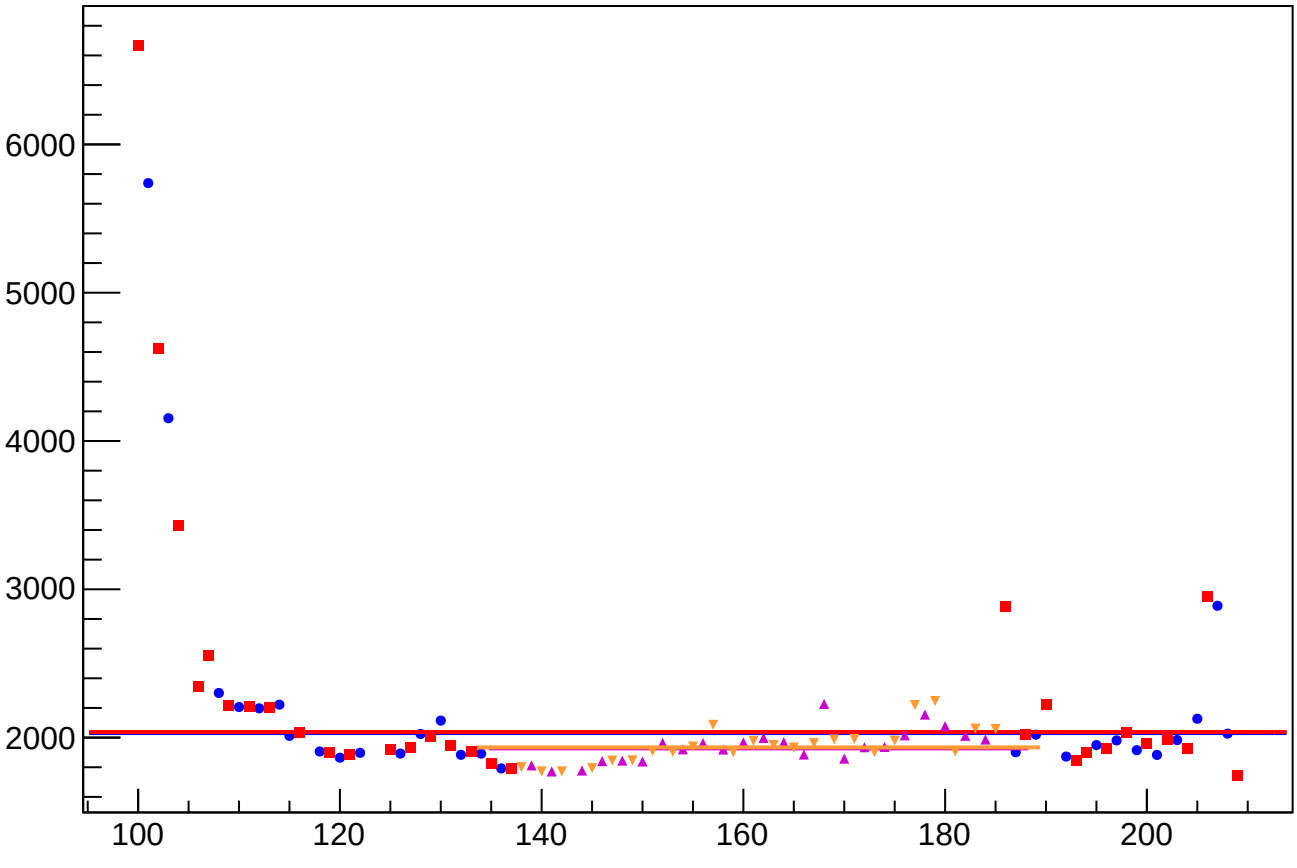
Left: 46.164+/-318.376 χ^2/NDF: 53.6/46

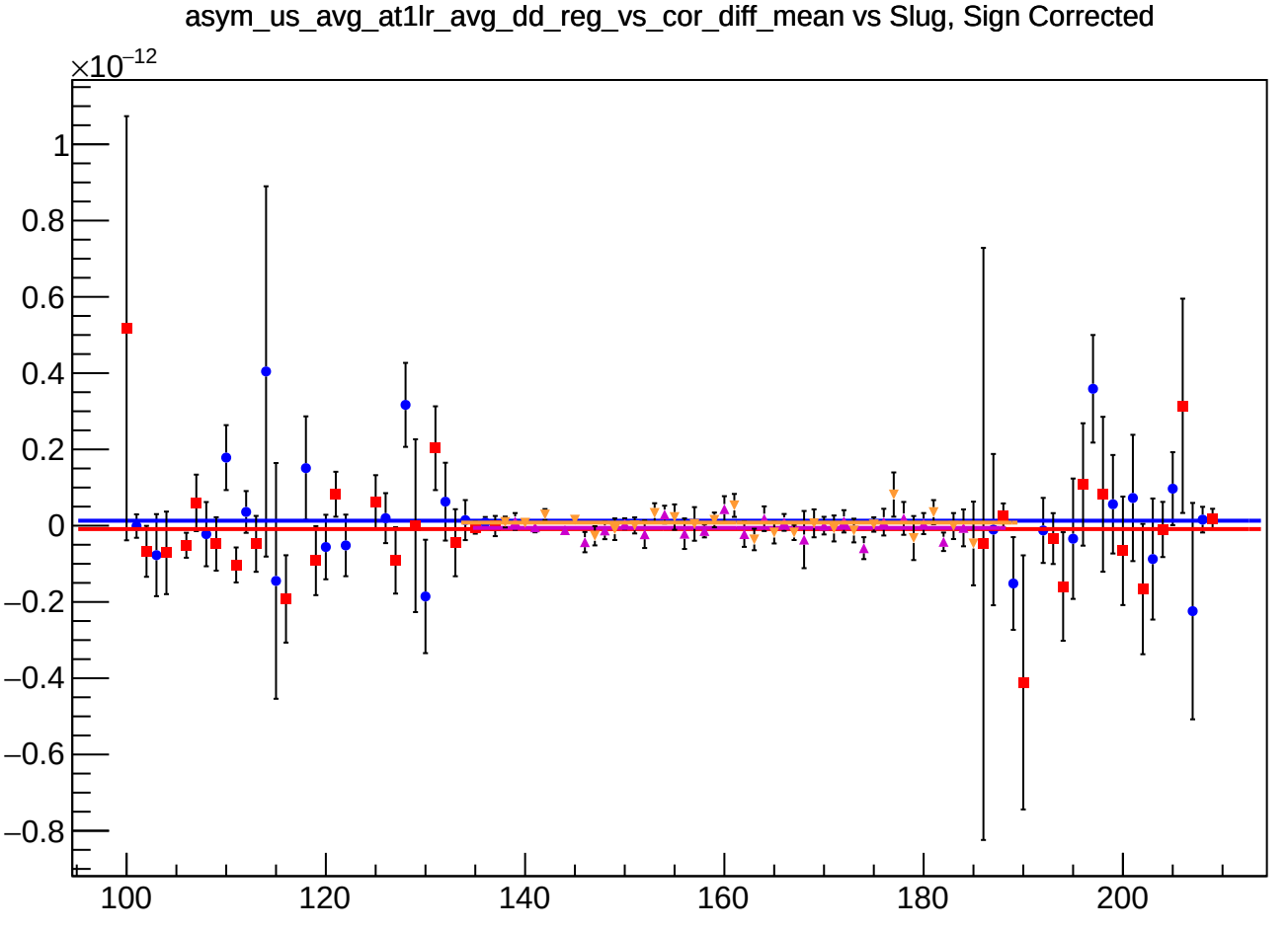
Right: 150.537+/-362.831 χ^2/NDF: 62.1/56

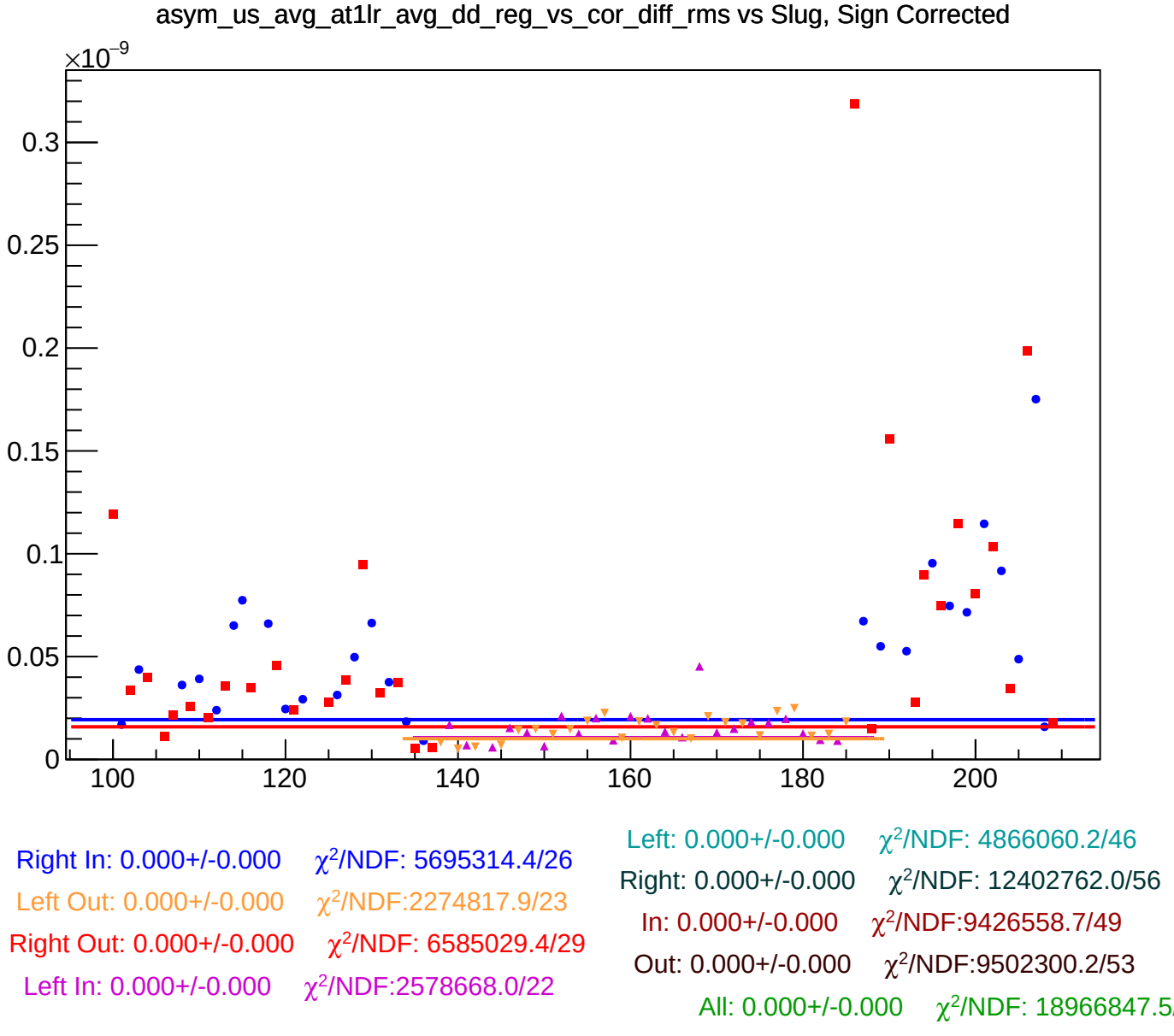
In: 2.863+/-341.024 χ^2/NDF:55.4/49

Out: 177.627+/-335.901 χ^2/NDF:60.2/53

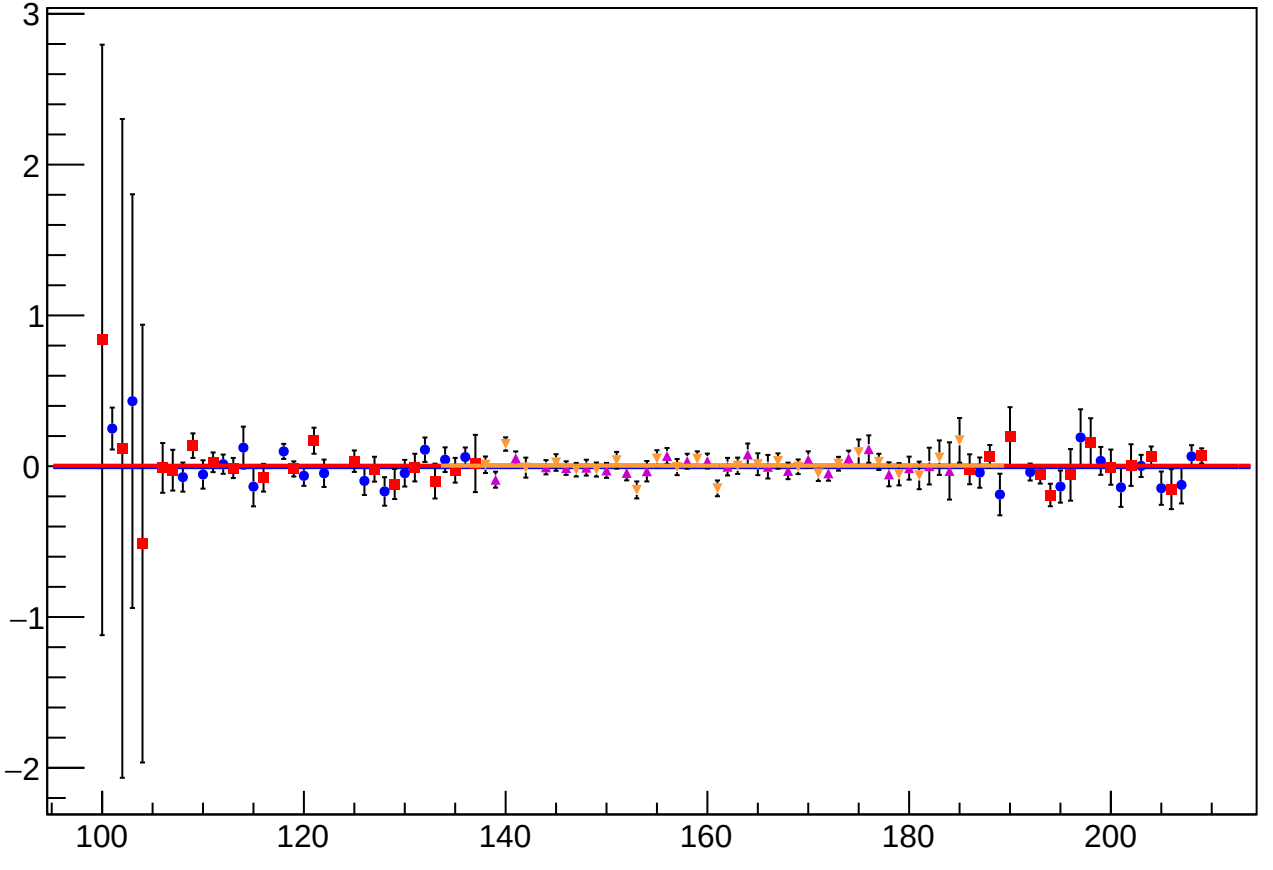
All: 91.568+/-239.308 χ^2/NDF: 115.7/103


asym_us_avg_at1lr_avg_dd_rms vs Slug, Sign Corrected
6000
5000
4000
3000
2000
100
120
140
160
180
200
Right In: 2030.577+/-0.369 χ²/NDF: 1138025.7/26
Left Out: 1933.804+/-0.318 χ²/NDF:128531.8/23
Right Out: 2037.626+/-0.357 χ²/NDF: 1045708.2/29
Left In: 1927.125+/-0.319 χ²/NDF:116436.1/22
Left: 1930.472+/-0.225 χ²/NDF: 245187.9/46
Right: 2034.214+/-0.257 χ²/NDF: 2183922.5/56
In: 1971.363+/-0.241 χ²/NDF:1299510.4/49
Out: 1979.714+/-0.238 χ²/NDF:1221368.5/53
All: 1975.602+/-0.169 χ²/NDF: 2521487.7/10


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
Right In: 0.000+/-0.000 χ²/NDF: 28.2/26
Left Out: 0.000+/-0.000 χ²/NDF:17.3/23
Right Out: -0.000+/-0.000 χ²/NDF: 29.1/29
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: 59.8/56
In: -0.000+/-0.000 χ²/NDF:47.6/49
Out: 0.000+/-0.000 χ²/NDF:49.2/53
All: 0.000+/-0.000 χ²/NDF: 98.7/103


asym_us_avg_at1lr_avg_dd_reg_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
Right In: 0.000+/-0.000 χ²/NDF: 5695314.4/26
Left Out: 0.000+/-0.000 χ²/NDF:2274817.9/23
Right Out: 0.000+/-0.000 χ²/NDF: 6585029.4/29
Left In: 0.000+/-0.000 χ²/NDF:2578668.0/22
Left: 0.000+/-0.000 χ²/NDF: 4866060.2/46
Right: 0.000+/-0.000 χ²/NDF: 12402762.0/56
In: 0.000+/-0.000 χ²/NDF:9426558.7/49
Out: 0.000+/-0.000 χ²/NDF:9502300.2/53
All: 0.000+/-0.000 χ²/NDF: 18966847.5/103

asym_us_avg_at1lr_avg_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.006+/-0.017 χ^2/NDF: 28.5/26

Left Out: 0.004+/-0.012 χ^2/NDF:35.0/23

Right Out: 0.004+/-0.016 χ^2/NDF: 25.1/29

Left In: 0.003+/-0.012 χ^2/NDF:14.5/22

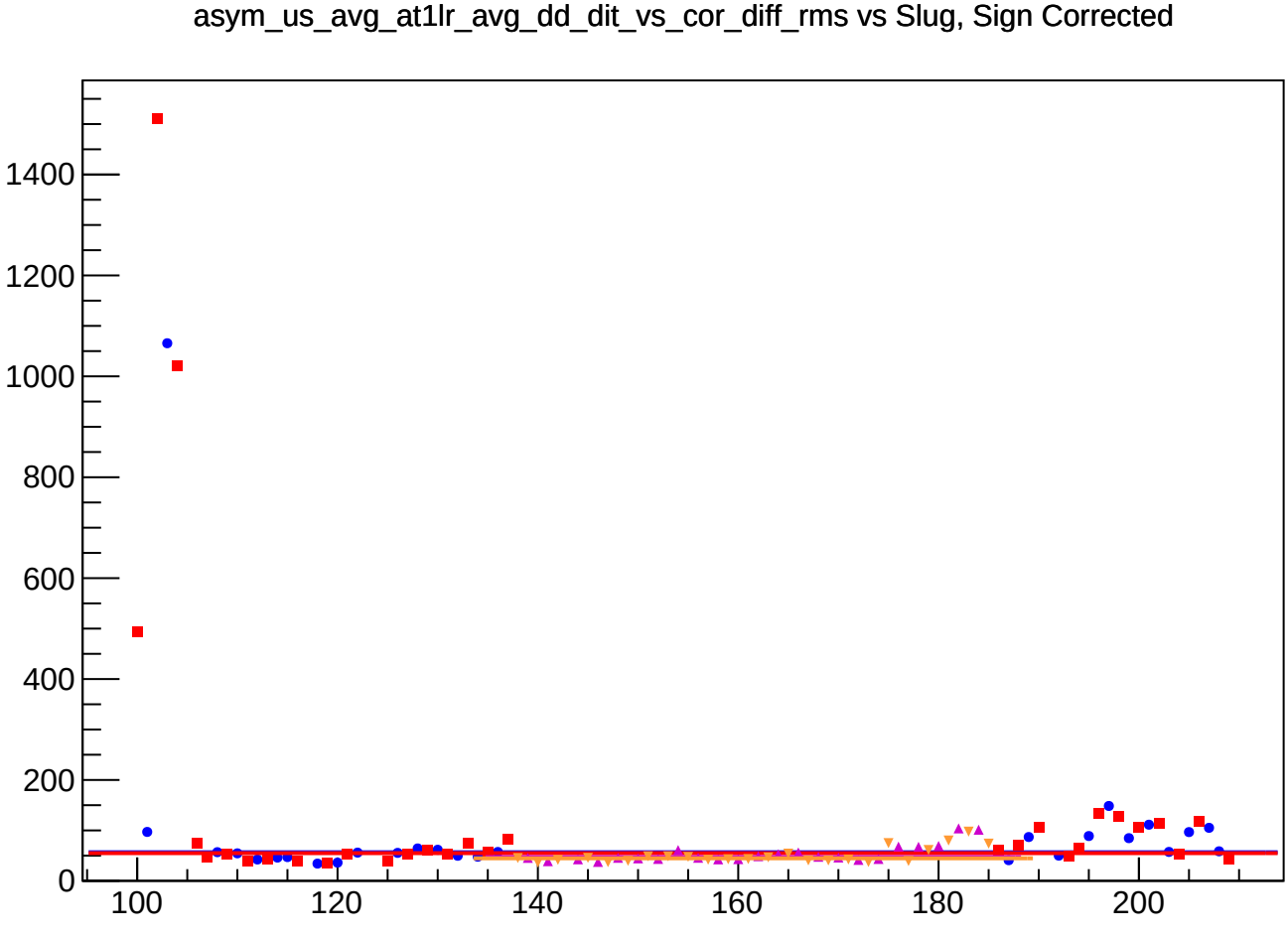
Left: 0.003+/-0.008 χ^2/NDF: 49.5/46

Right: -0.001+/-0.012 χ^2/NDF: 53.8/56

In: -0.000+/-0.010 χ^2/NDF:43.2/49

Out: 0.004+/-0.009 χ^2/NDF:60.1/53

All: 0.002+/-0.007 χ^2/NDF: 103.4/103



Right In: 56.720+/-0.012 χ^2/NDF: 3974549.9/26

Left Out: 44.733+/-0.008 χ^2/NDF:1481436.4/23

Right Out: 54.961+/-0.011 χ^2/NDF: 5078472.0/29

Left In: 47.033+/-0.008 χ^2/NDF:1383050.4/22

Left: 45.841+/-0.006 χ^2/NDF: 2902954.4/46

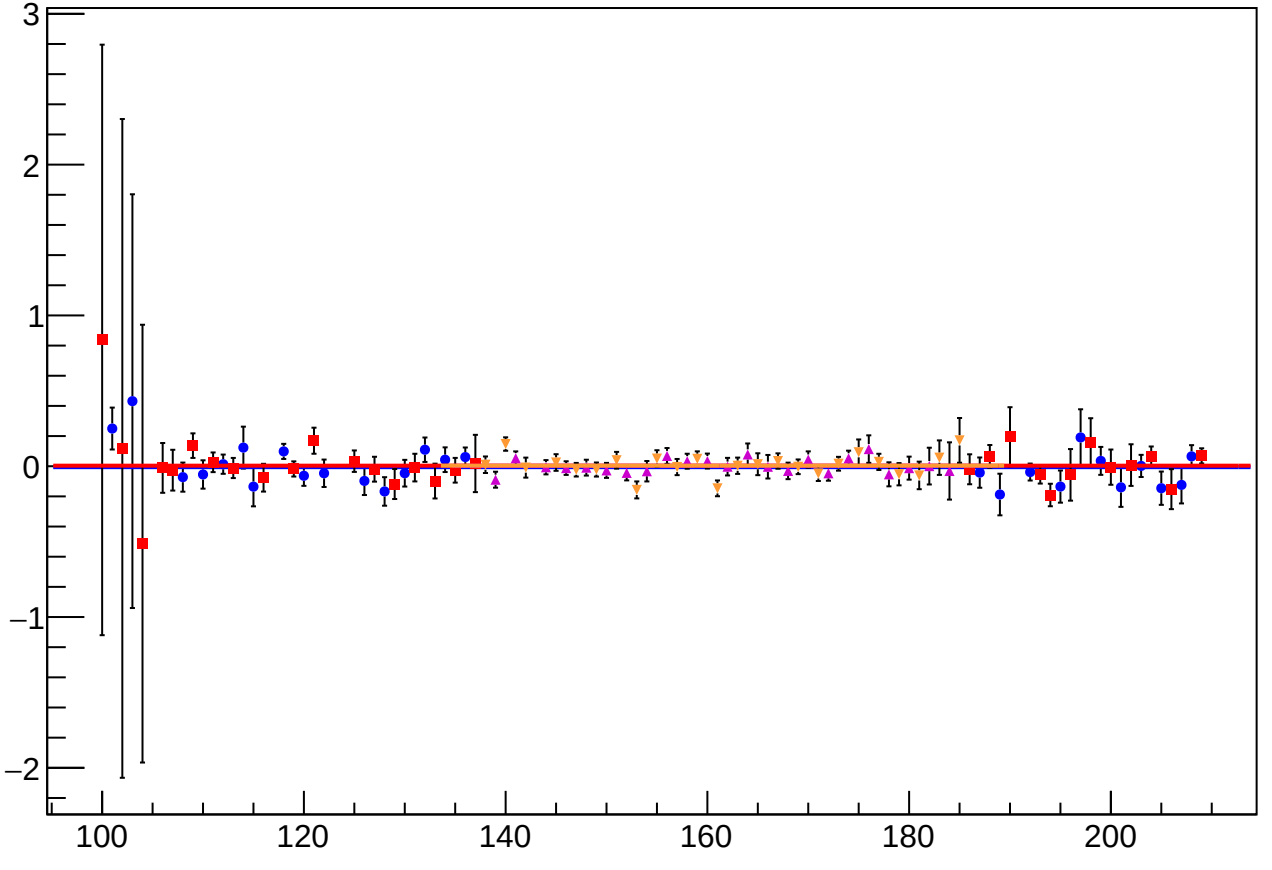
Right: 55.808+/-0.008 χ^2/NDF: 9064430.8/56

In: 50.290+/-0.007 χ^2/NDF:5800261.6/49

Out: 48.172+/-0.007 χ^2/NDF:7091246.4/53

All: 49.192+/-0.005 χ^2/NDF: 12940679.3/103

asym_us_avg_at1lr_avg_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.006+/-0.017 χ^2/NDF: 28.5/26

Left Out: 0.004+/-0.012 χ^2/NDF:35.0/23

Right Out: 0.004+/-0.016 χ^2/NDF: 25.1/29

Left In: 0.003+/-0.012 χ^2/NDF:14.5/22

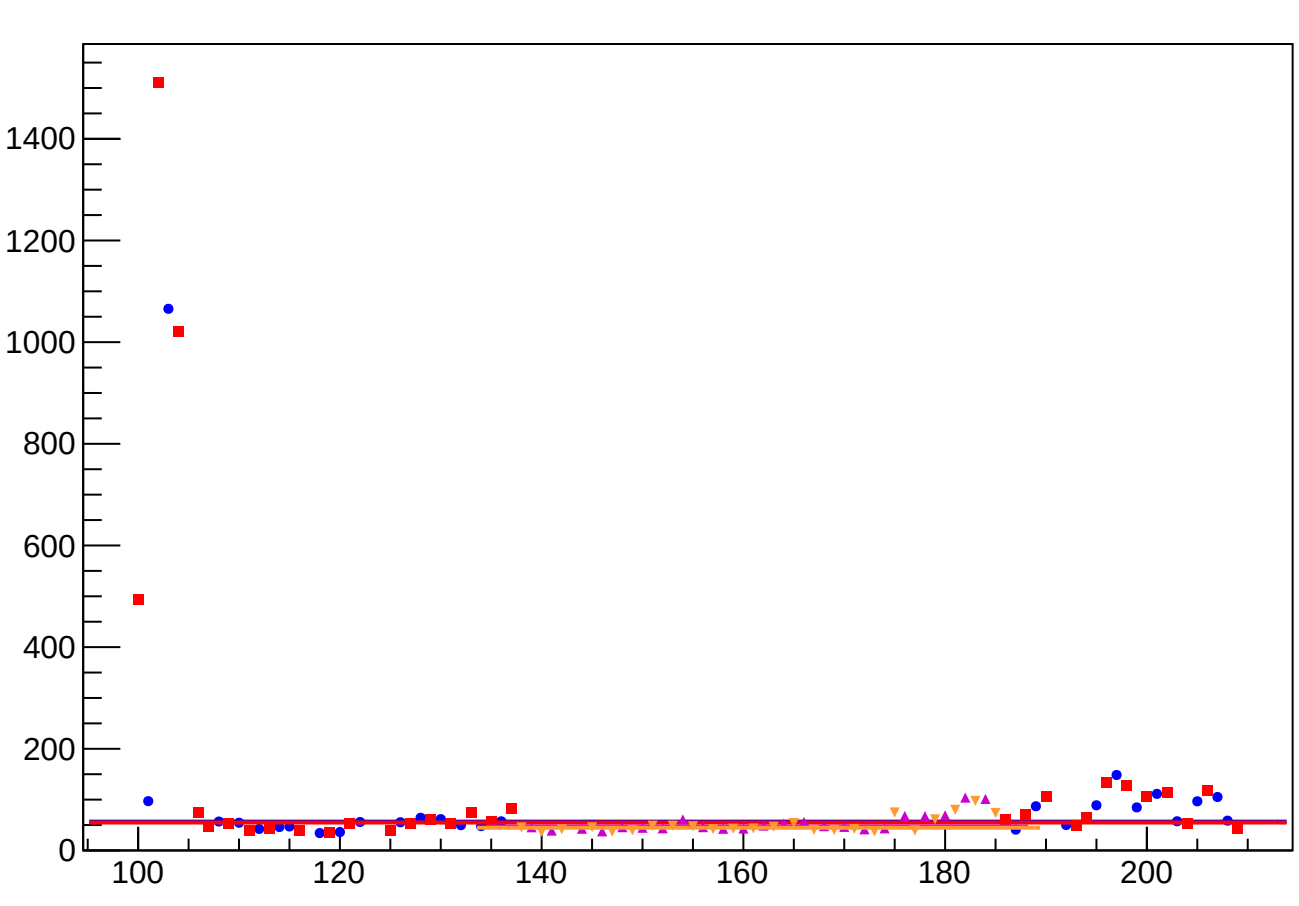
Left: 0.003+/-0.008 χ^2/NDF: 49.5/46

Right: -0.001+/-0.012 χ^2/NDF: 53.8/56

In: -0.000+/-0.010 χ^2/NDF:43.2/49

Out: 0.004+/-0.009 χ^2/NDF:60.1/53

All: 0.002+/-0.007 χ^2/NDF: 103.4/103



Right In: 56.720+/-0.012 χ^2/NDF: 3974549.9/26

Left Out: 44.733+/-0.008 χ^2/NDF:1481436.4/23

Right Out: 54.961+/-0.011 χ^2/NDF: 5078472.0/29

Left In: 47.033+/-0.008 χ^2/NDF:1383050.4/22

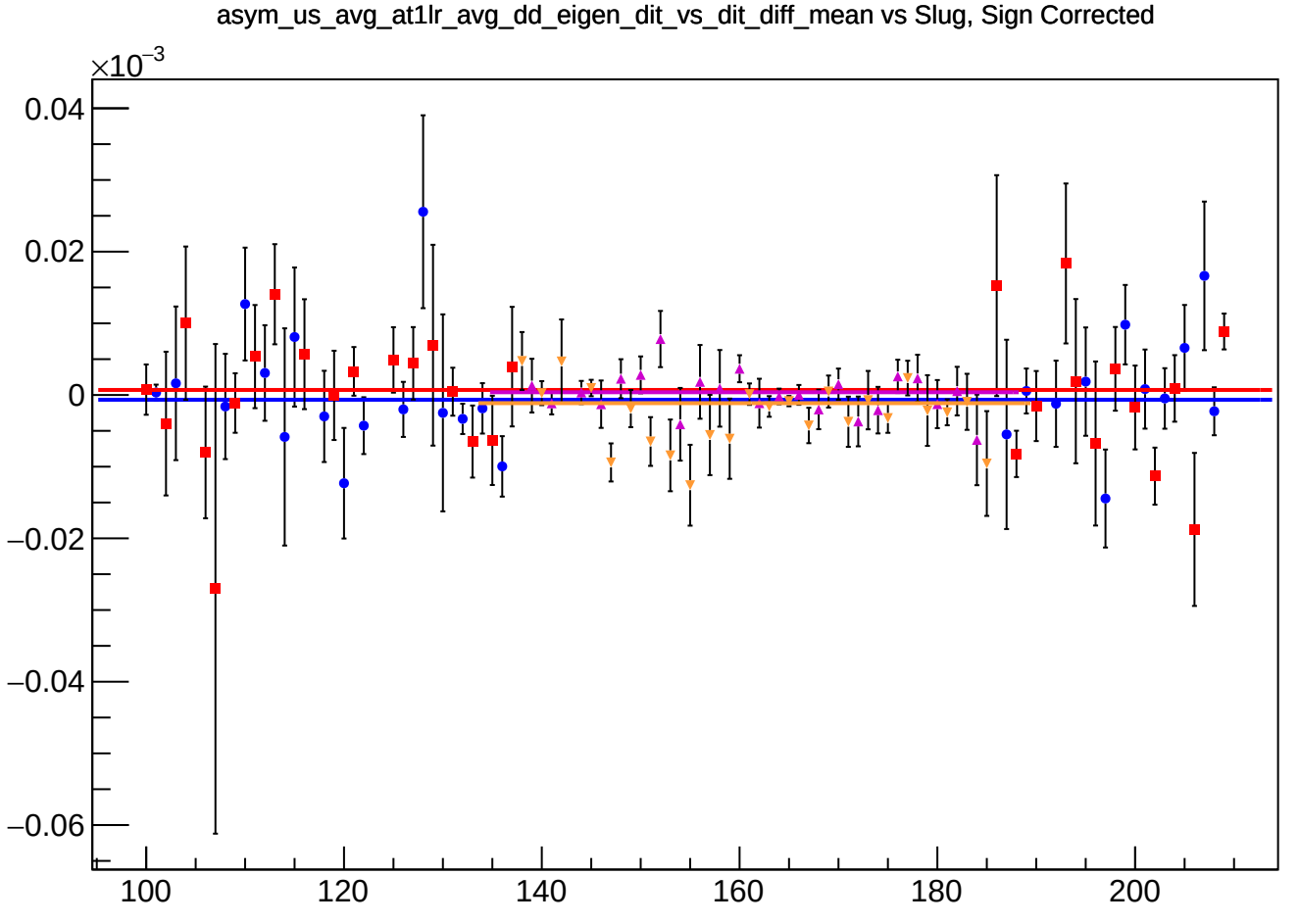
Left: 45.841+/-0.006 χ^2/NDF: 2902954.4/46

Right: 55.808+/-0.008 χ^2/NDF: 9064430.8/56

In: 50.290+/-0.007 χ^2/NDF:5800261.6/49

Out: 48.172+/-0.007 χ^2/NDF:7091246.4/53

All: 49.192+/-0.005 χ^2/NDF: 12940679.3/103



Right In: -0.000+/-0.000 χ^2/NDF: 31.4/26

Left Out: -0.000+/-0.000 χ^2/NDF:35.7/23

Right Out: 0.000+/-0.000 χ^2/NDF: 48.1/29

Left In: 0.000+/-0.000 χ^2/NDF:16.3/22

Left: -0.000+/-0.000 χ^2/NDF: 57.8/46

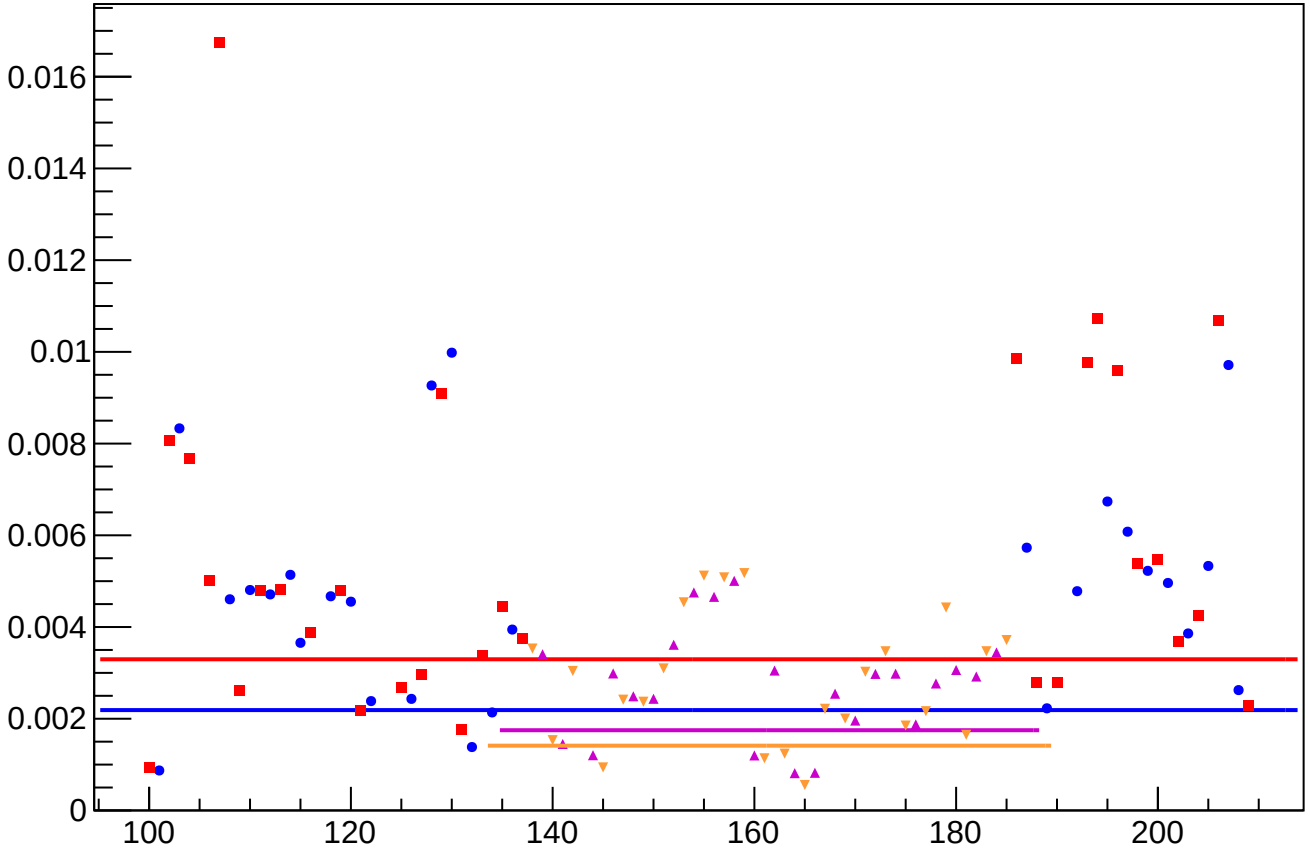
Right: -0.000+/-0.000 χ^2/NDF: 80.7/56

In: 0.000+/-0.000 χ^2/NDF:49.1/49

Out: -0.000+/-0.000 χ^2/NDF:87.0/53

All: -0.000+/-0.000 χ^2/NDF: 138.8/103

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: 11658407.3/26

Left Out: 0.001+/-0.000 χ^2/NDF:11586658.8/23

Right Out: 0.003+/-0.000 χ^2/NDF: 7993247.0/29

Left In: 0.002+/-0.000 χ^2/NDF:8238945.3/22

Left: 0.002+/-0.000 χ^2/NDF: 20381149.0/46

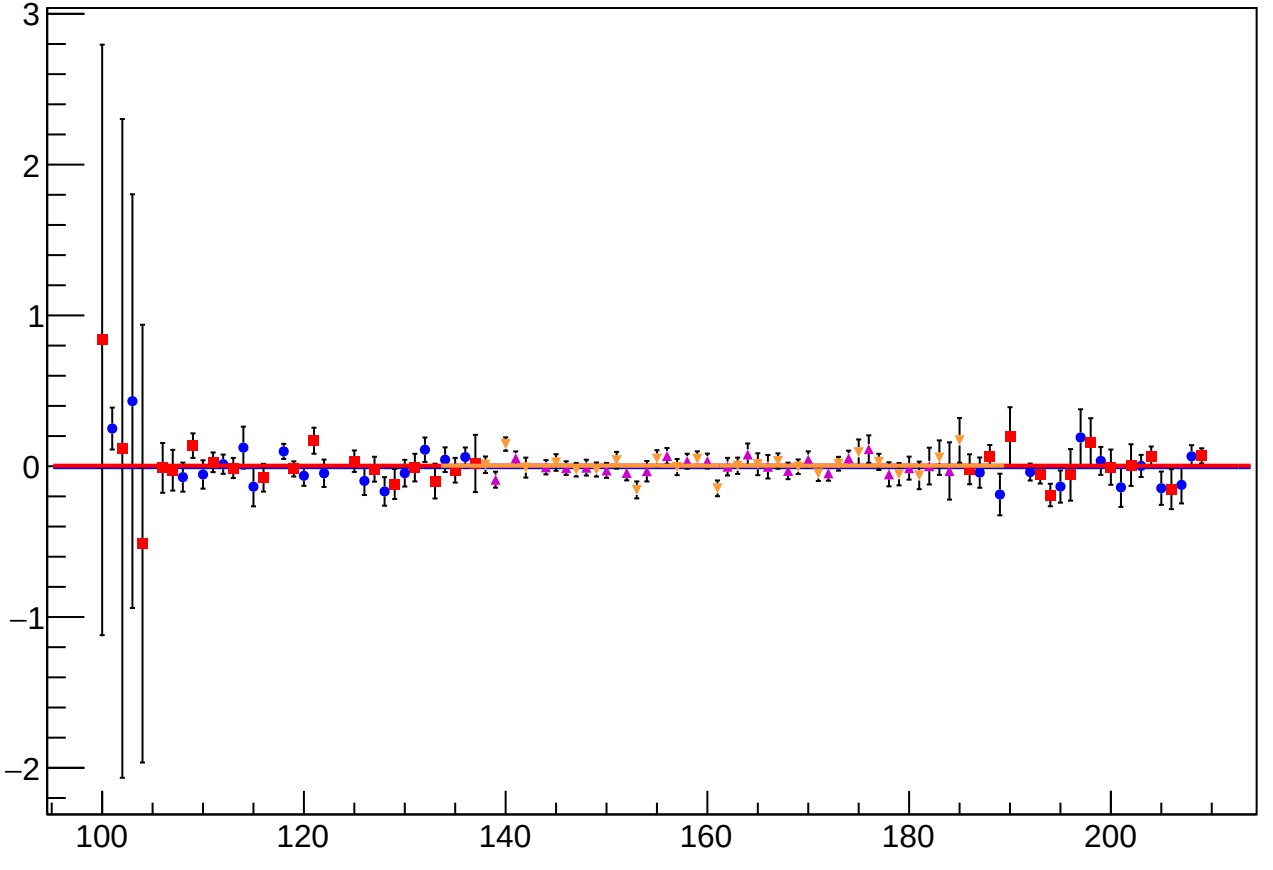
Right: 0.003+/-0.000 χ^2/NDF: 21356930.5/56

In: 0.002+/-0.000 χ^2/NDF:20394990.5/49

Out: 0.002+/-0.000 χ^2/NDF:26185428.7/53

All: 0.002+/-0.000 χ^2/NDF: 46788277.7/103

asym_us_avg_at1lr_avg_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.006+/-0.017 χ^2/NDF: 28.5/26

Left Out: 0.004+/-0.012 χ^2/NDF:35.0/23

Right Out: 0.004+/-0.016 χ^2/NDF: 25.1/29

Left In: 0.003+/-0.012 χ^2/NDF:14.5/22

Left: 0.003+/-0.008 χ^2/NDF: 49.5/46

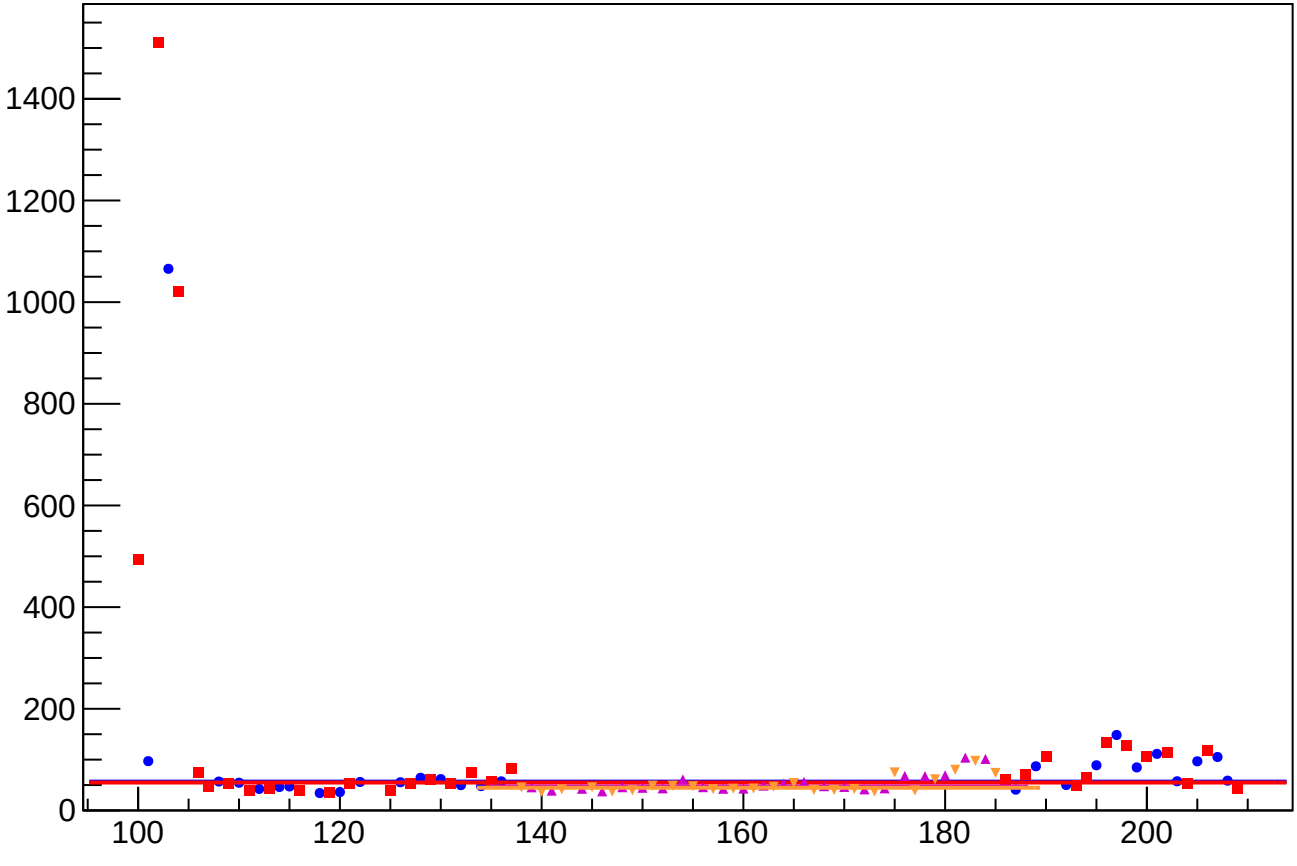
Right: -0.001+/-0.012 χ^2/NDF: 53.8/56

In: -0.000+/-0.010 χ^2/NDF:43.2/49

Out: 0.004+/-0.009 χ^2/NDF:60.1/53

All: 0.002+/-0.007 χ^2/NDF: 103.4/103

asym_us_avg_at1lr_avg_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 56.720+/-0.012 χ^2/NDF: 3974604.4/26

Left Out: 44.733+/-0.008 χ^2/NDF:1481436.0/23

Right Out: 54.960+/-0.011 χ^2/NDF: 5078652.5/29

Left In: 47.033+/-0.008 χ^2/NDF:1383121.1/22

Left: 45.840+/-0.006 χ^2/NDF: 2903011.0/46

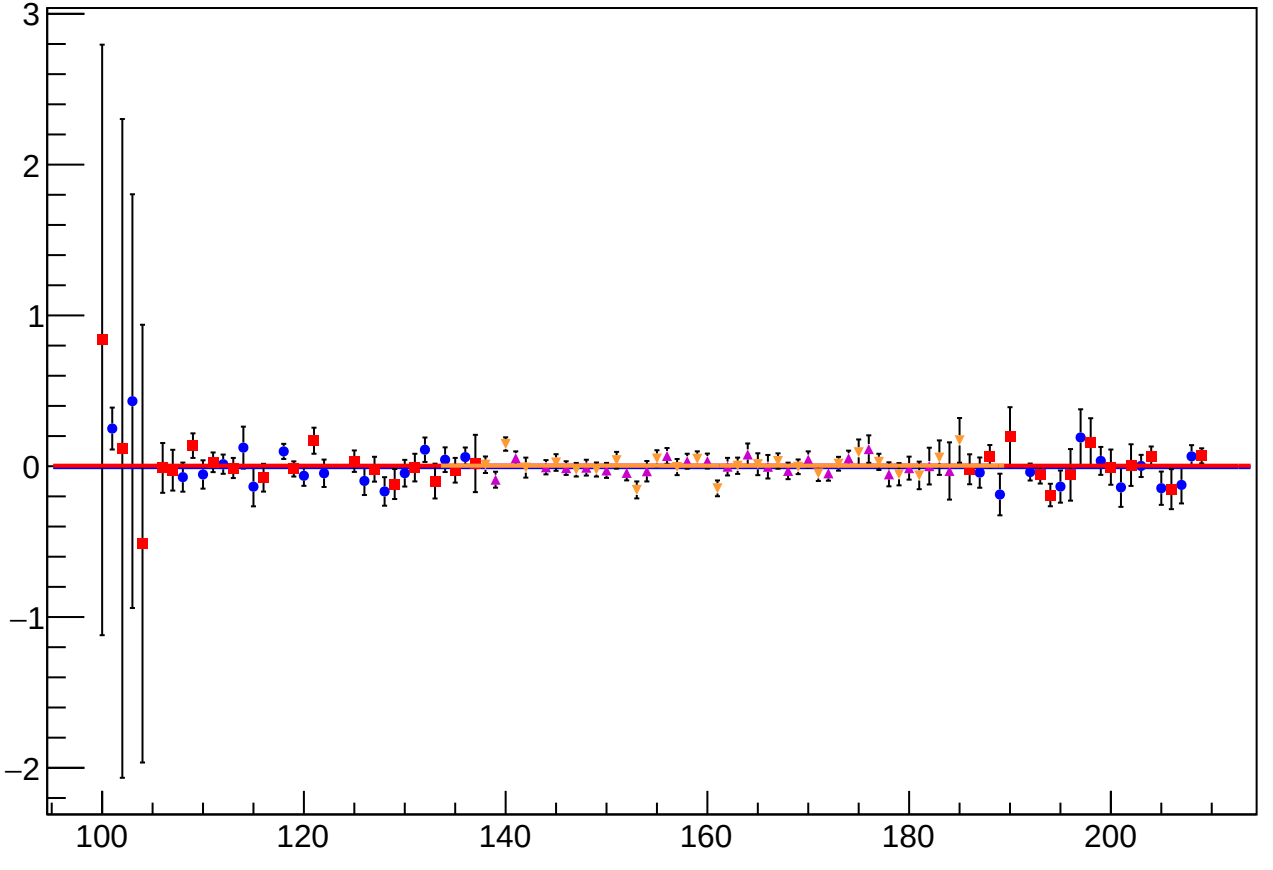
Right: 55.807+/-0.008 χ^2/NDF: 9064672.4/56

In: 50.290+/-0.007 χ^2/NDF:5800370.9/49

Out: 48.172+/-0.007 χ^2/NDF:7091318.3/53

All: 49.192+/-0.005 χ^2/NDF: 12940853.1/103

asym_us_avg_at1lr_avg_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.006+/-0.017 χ^2/NDF: 28.5/26

Left Out: 0.004+/-0.012 χ^2/NDF:35.0/23

Right Out: 0.004+/-0.016 χ^2/NDF: 25.1/29

Left In: 0.003+/-0.012 χ^2/NDF:14.5/22

Left: 0.003+/-0.008 χ^2/NDF: 49.5/46

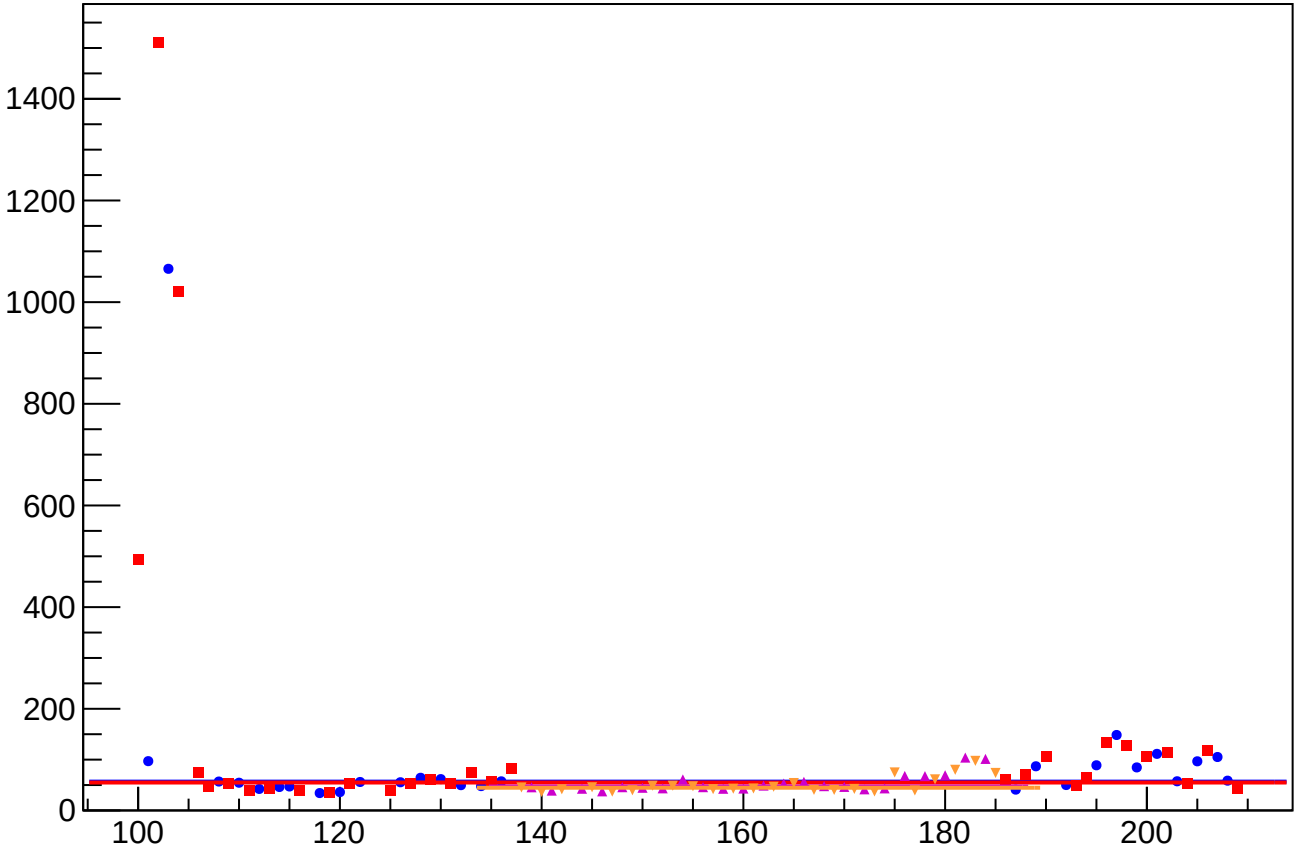
Right: -0.001+/-0.012 χ^2/NDF: 53.8/56

In: -0.000+/-0.010 χ^2/NDF:43.2/49

Out: 0.004+/-0.009 χ^2/NDF:60.1/53

All: 0.002+/-0.007 χ^2/NDF: 103.4/103

asym_us_avg_at1lr_avg_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 56.720+/-0.012 χ^2/NDF: 3974604.4/26

Left Out: 44.733+/-0.008 χ^2/NDF:1481436.0/23

Right Out: 54.960+/-0.011 χ^2/NDF: 5078652.5/29

Left In: 47.033+/-0.008 χ^2/NDF:1383121.1/22

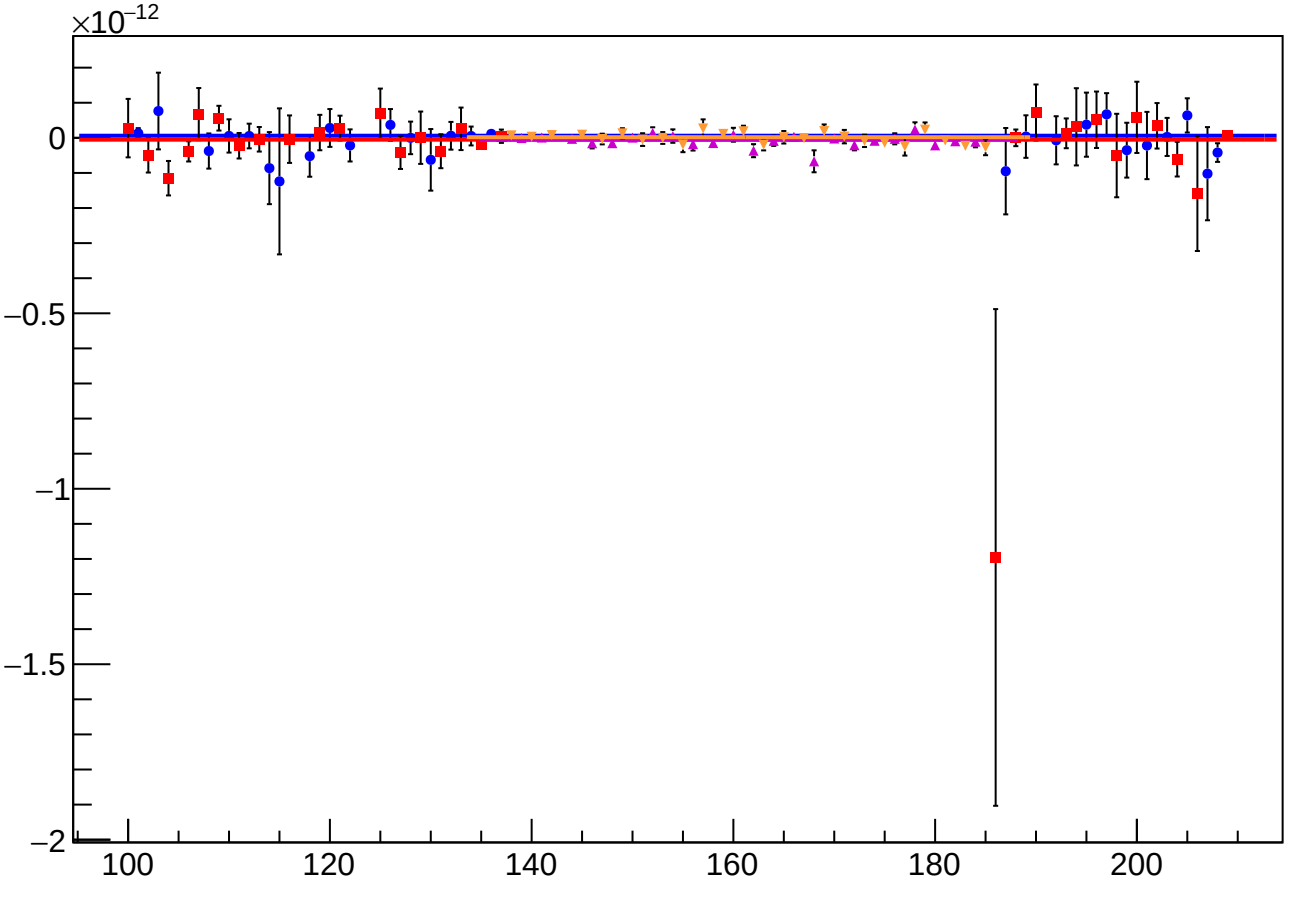
Left: 45.840+/-0.006 χ^2/NDF: 2903011.0/46

Right: 55.807+/-0.008 χ^2/NDF: 9064672.4/56

In: 50.290+/-0.007 χ^2/NDF:5800370.9/49

Out: 48.172+/-0.007 χ^2/NDF:7091318.3/53

All: 49.192+/-0.005 χ^2/NDF: 12940853.1/103



Right In: 0.000+/-0.000 χ^2/NDF: 13.1/26

Left Out: 0.000+/-0.000 χ^2/NDF:20.6/23

Right Out: -0.000+/-0.000 χ^2/NDF: 25.5/29

Left In: -0.000+/-0.000 χ^2/NDF:17.9/22

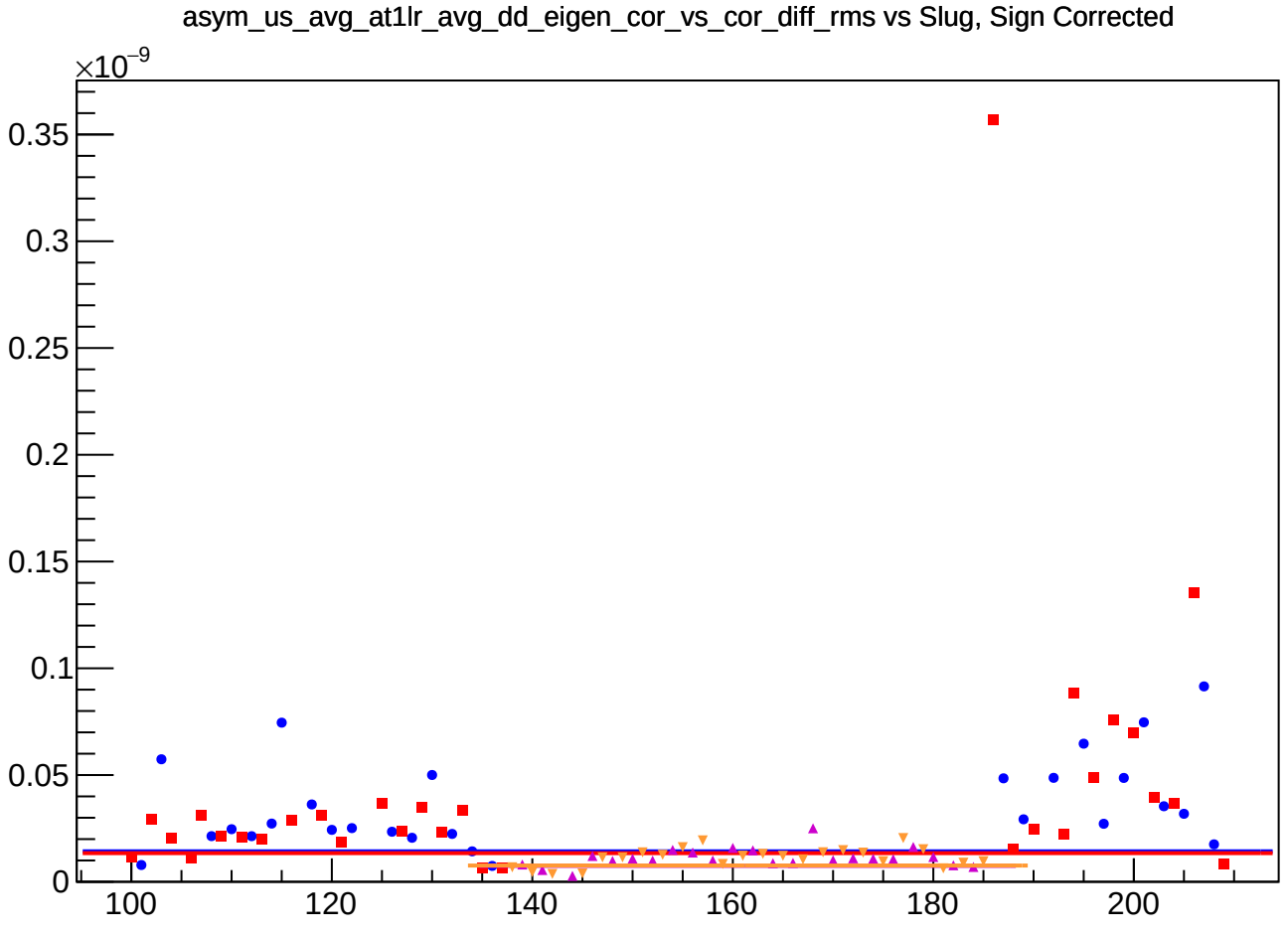
Left: -0.000+/-0.000 χ^2/NDF: 42.7/46

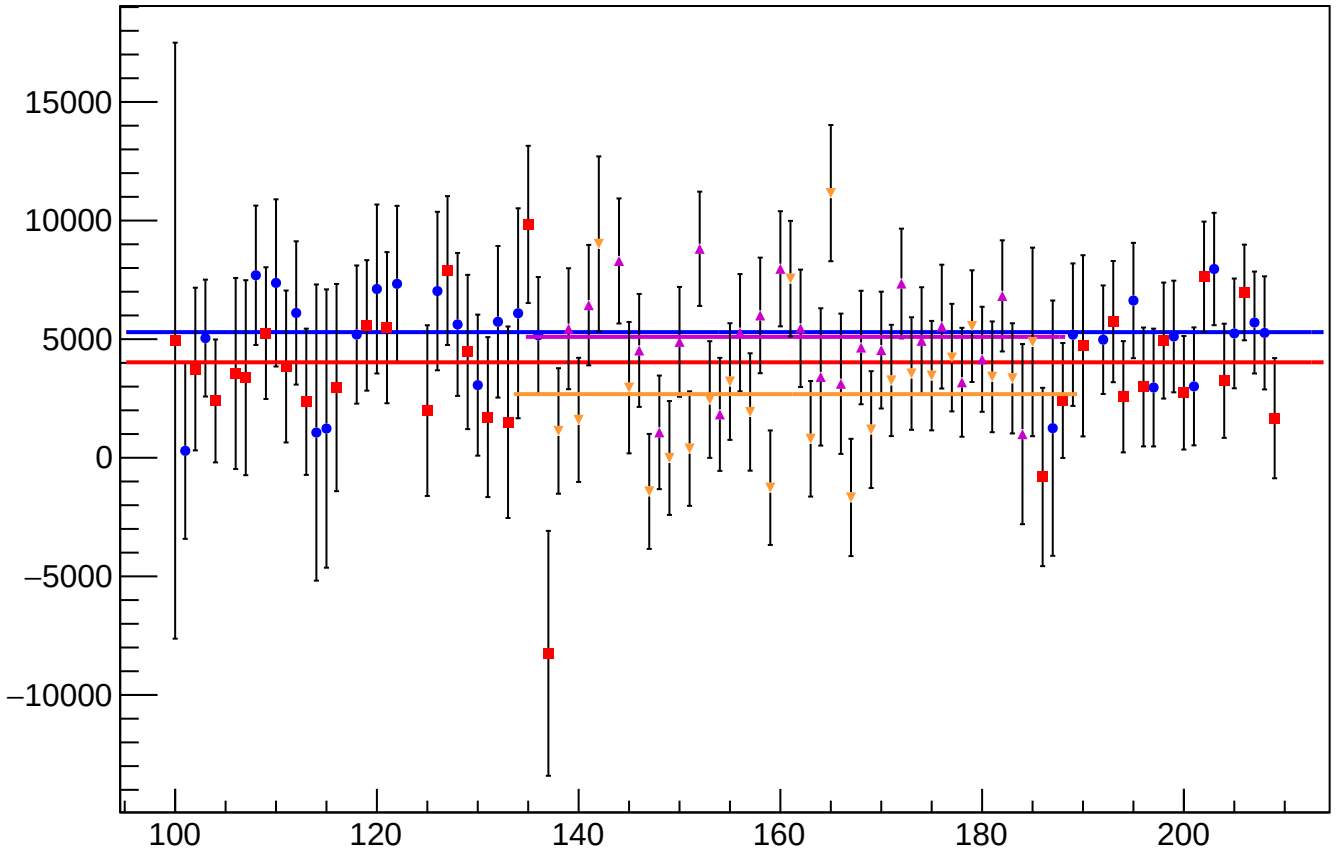
Right: -0.000+/-0.000 χ^2/NDF: 40.4/56

In: -0.000+/-0.000 χ^2/NDF:33.8/49

Out: 0.000+/-0.000 χ^2/NDF:47.4/53

All: -0.000+/-0.000 χ^2/NDF: 83.2/103


asym_us_avg_at1lr_avg_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
0.35
0.3
0.25
0.2
0.15
0.1
0.05
0
100
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 7143200.5/26
Left Out: 0.000+/-0.000 χ²/NDF:5568430.3/23
Right Out: 0.000+/-0.000 χ²/NDF: 8285814.1/29
Left In: 0.000+/-0.000 χ²/NDF:5978033.2/22
Left: 0.000+/-0.000 χ²/NDF: 11550721.9/46
Right: 0.000+/-0.000 χ²/NDF: 15449710.0/56
In: 0.000+/-0.000 χ²/NDF:15230914.9/49
Out: 0.000+/-0.000 χ²/NDF:15586361.7/53
All: 0.000+/-0.000 χ²/NDF: 30821185.6/103



Right In: 5295.997+/-551.986 χ^2/NDF: 9.3/26

Left Out: 2682.870+/-512.020 χ^2/NDF:30.8/23

Right Out: 4024.469+/-539.749 χ^2/NDF: 22.0/29

Left In: 5096.427+/-516.232 χ^2/NDF:14.9/22

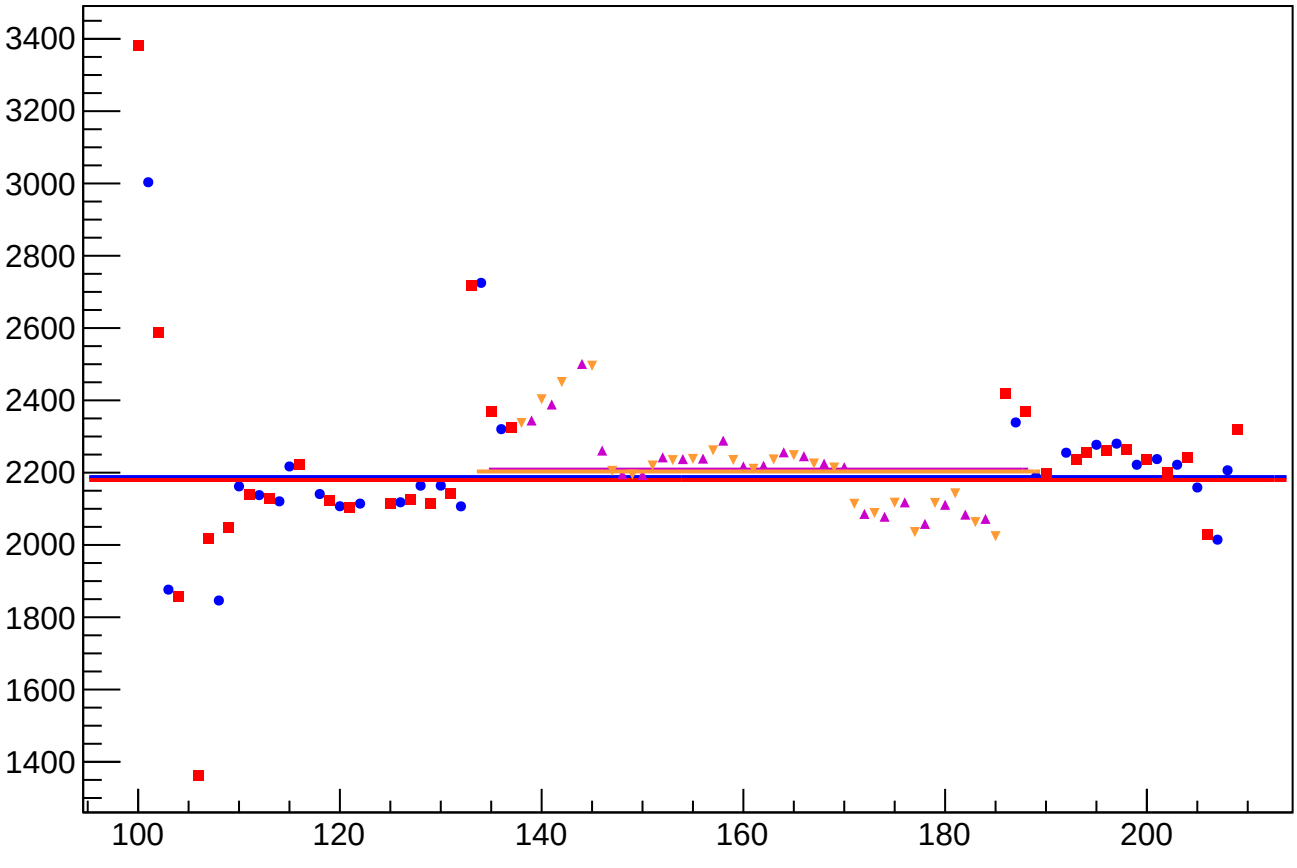
Left: 3879.762+/-363.533 χ^2/NDF: 56.8/46

Right: 4645.982+/-385.914 χ^2/NDF: 34.1/56

In: 5189.539+/-377.038 χ^2/NDF:24.3/49

Out: 3318.324+/-371.469 χ^2/NDF:56.1/53

All: 4240.010+/-264.615 χ^2/NDF: 92.9/103



Right In: 2187.780+/-0.390 χ^2/NDF: 220607.6/26

Left Out: 2203.297+/-0.362 χ^2/NDF:88208.3/23

Right Out: 2179.734+/-0.379 χ^2/NDF: 330630.9/29

Left In: 2208.379+/-0.365 χ^2/NDF:80994.3/22

Left: 2205.817+/-0.257 χ^2/NDF: 169300.4/46

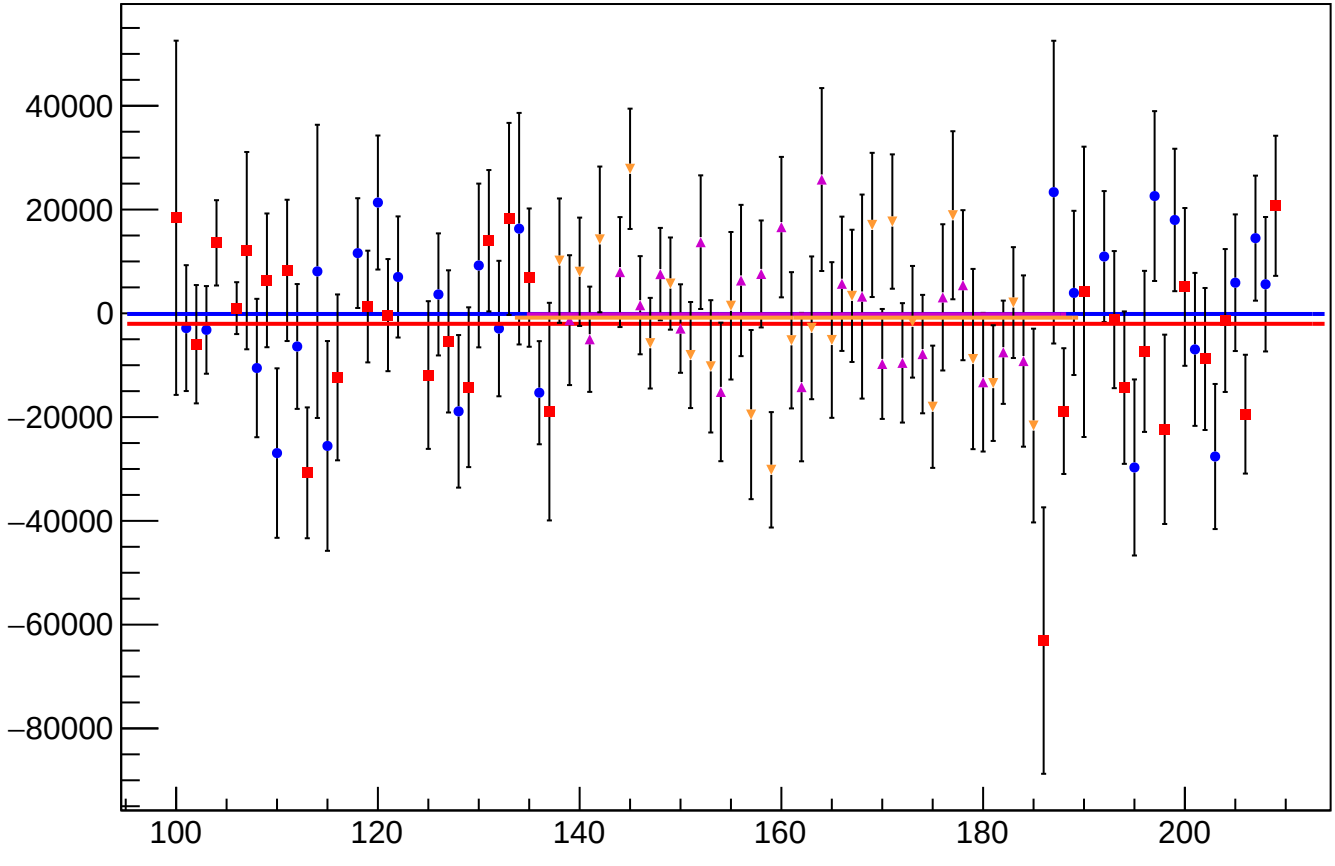
Right: 2183.638+/-0.272 χ^2/NDF: 551457.2/56

In: 2198.768+/-0.267 χ^2/NDF:303087.7/49

Out: 2192.052+/-0.262 χ^2/NDF:420860.5/53

All: 2195.349+/-0.187 χ^2/NDF: 724271.4/103

asym_us_avg_at2lr_avg_avg_reg_correction_mean vs Slug, Sign Corrected



Right In: -123.571+/-2588.769 χ^2/NDF: 28.9/26

Left Out: -833.485+/-2481.469 χ^2/NDF:29.5/23

Right Out: -2021.676+/-2289.522 χ^2/NDF: 31.9/29

Left In: -182.426+/-2471.223 χ^2/NDF:13.8/22

Left: -506.609+/-1751.030 χ^2/NDF: 43.3/46

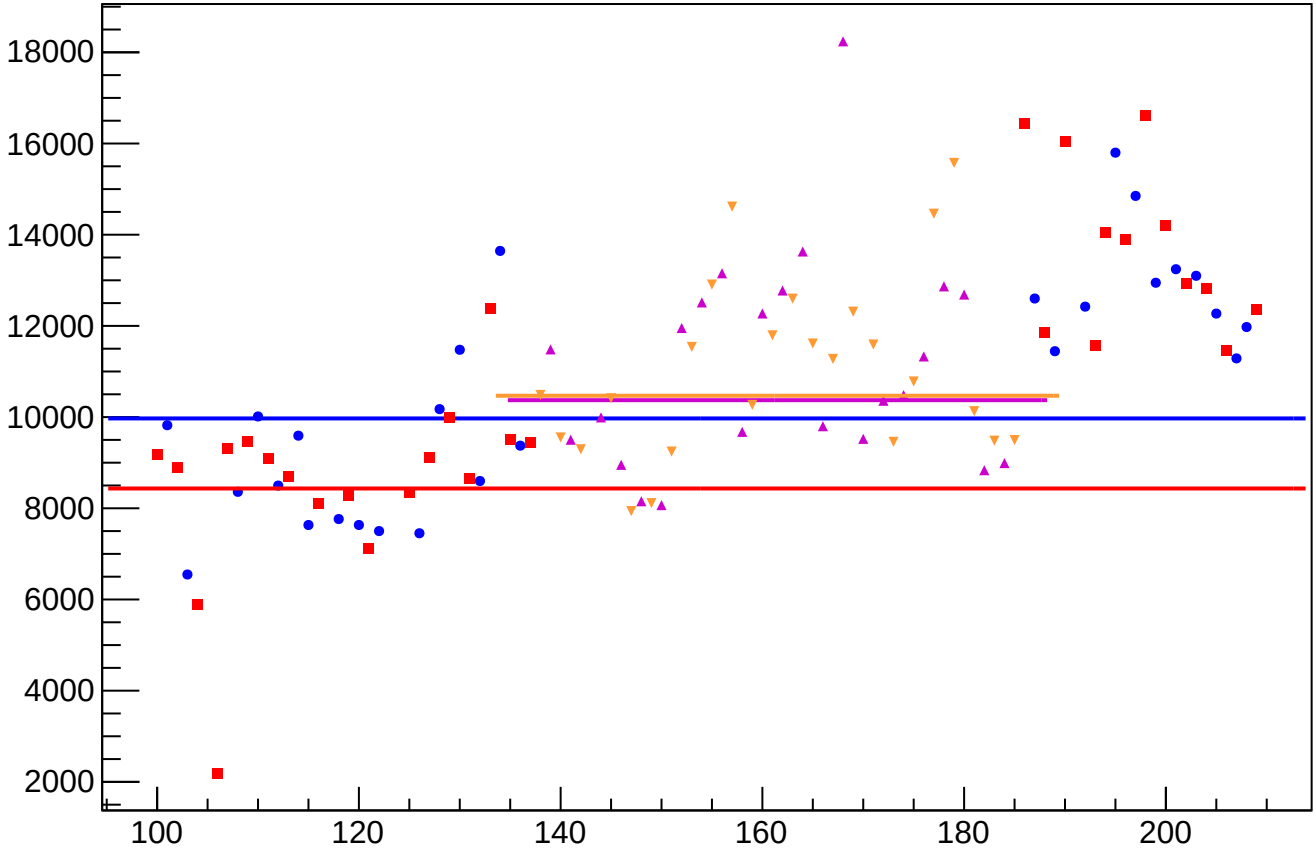
Right: -1188.622+/-1715.023 χ^2/NDF: 61.1/56

In: -154.365+/-1787.530 χ^2/NDF:42.7/49

Out: -1475.306+/-1682.708 χ^2/NDF:61.5/53

All: -854.699+/-1225.236 χ^2/NDF: 104.4/103

asym_us_avg_at2lr_avg_avg_reg_correction_rms vs Slug, Sign Corrected



Right In: 9970.528+/-1.831 χ^2/NDF: 1798997.1/26

Left Out: 10468.677+/-1.755 χ^2/NDF:1045257.2/23

Right Out: 8434.399+/-1.619 χ^2/NDF: 6082880.4/29

Left In: 10370.895+/-1.747 χ^2/NDF:1203758.1/22

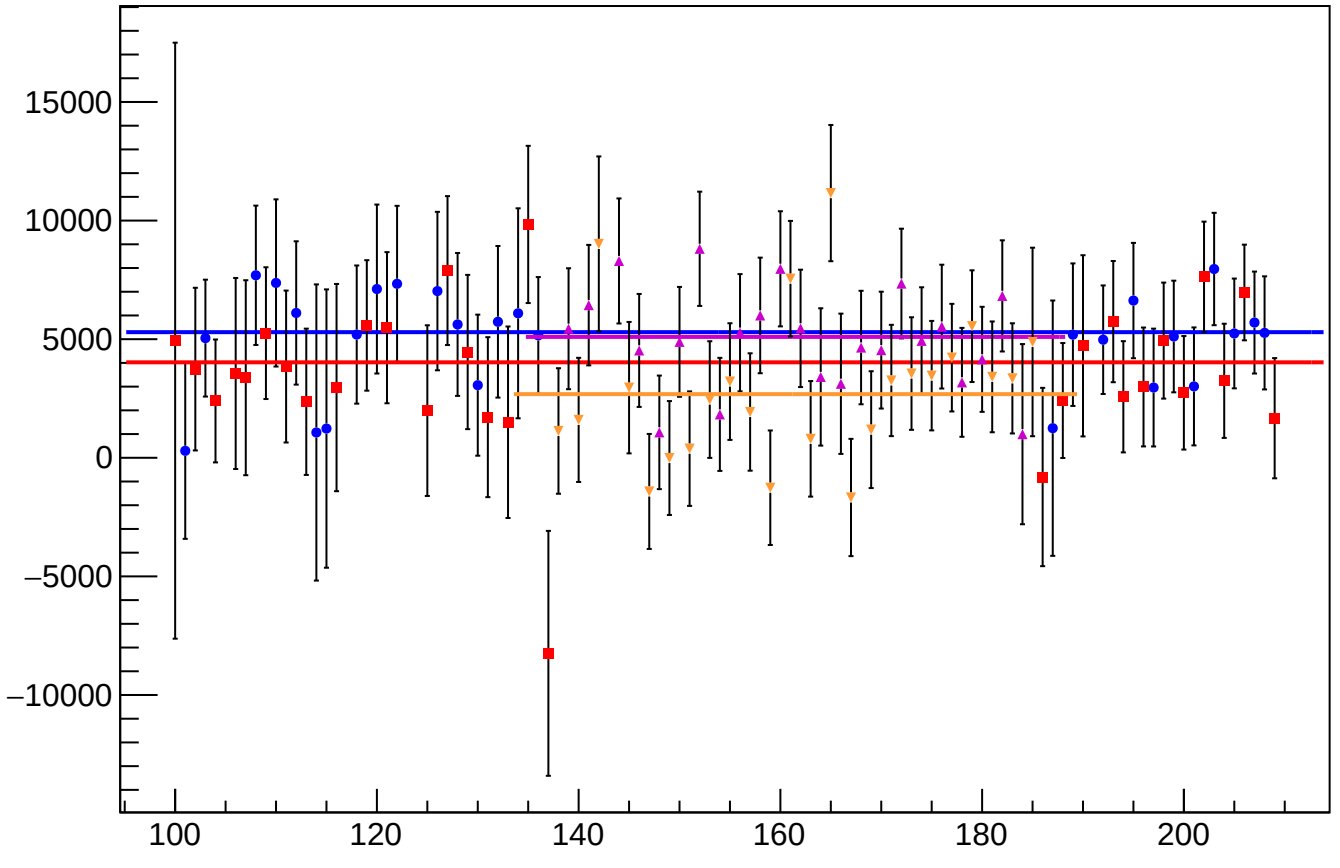
Left: 10419.584+/-1.238 χ^2/NDF: 2250574.4/46

Right: 9108.587+/-1.213 χ^2/NDF: 8277015.6/56

In: 10180.007+/-1.264 χ^2/NDF:3027784.1/49

Out: 9369.827+/-1.190 χ^2/NDF:7854178.4/53

All: 9750.467+/-0.866 χ^2/NDF: 11099788.0/1



Right In: 5296.061+/-551.986 χ^2/NDF: 9.3/26

Left Out: 2682.792+/-512.020 χ^2/NDF:30.8/23

Right Out: 4024.348+/-539.749 χ^2/NDF: 22.0/29

Left In: 5096.334+/-516.232 χ^2/NDF:14.9/22

Left: 3879.677+/-363.533 χ^2/NDF: 56.8/46

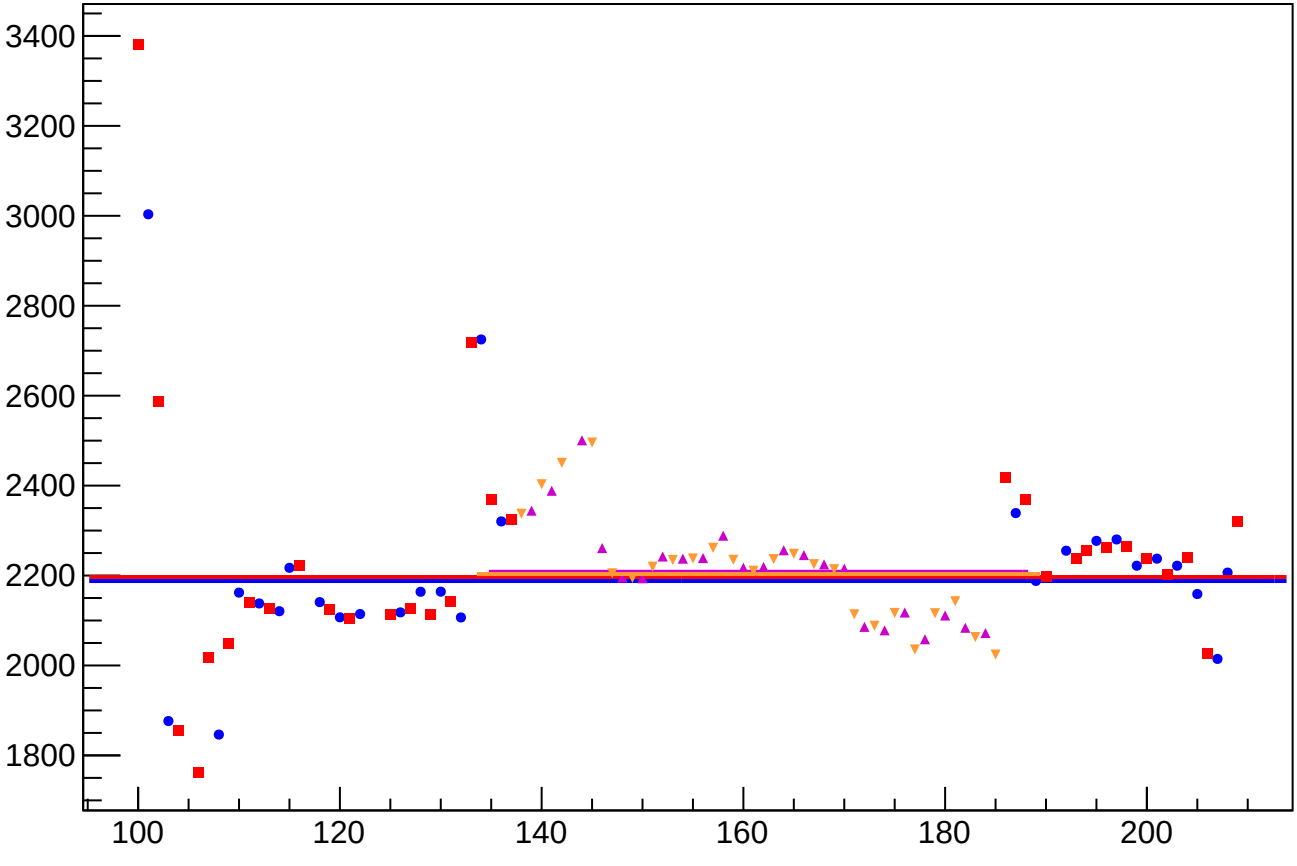
Right: 4645.953+/-385.914 χ^2/NDF: 34.1/56

In: 5189.520+/-377.038 χ^2/NDF:24.3/49

Out: 3318.225+/-371.469 χ^2/NDF:56.1/53

All: 4239.951+/-264.615 χ^2/NDF: 92.9/103

cor_asym_us_avg_at2lr_avg_avg_rms vs Slug, Sign Corrected



Right In: 2187.780+/-0.390 χ^2/NDF: 220607.9/26

Left Out: 2203.297+/-0.362 χ^2/NDF:88208.3/23

Right Out: 2196.773+/-0.381 χ^2/NDF: 207113.2/29

Left In: 2208.379+/-0.365 χ^2/NDF:80994.3/22

Left: 2205.817+/-0.257 χ^2/NDF: 169300.4/46

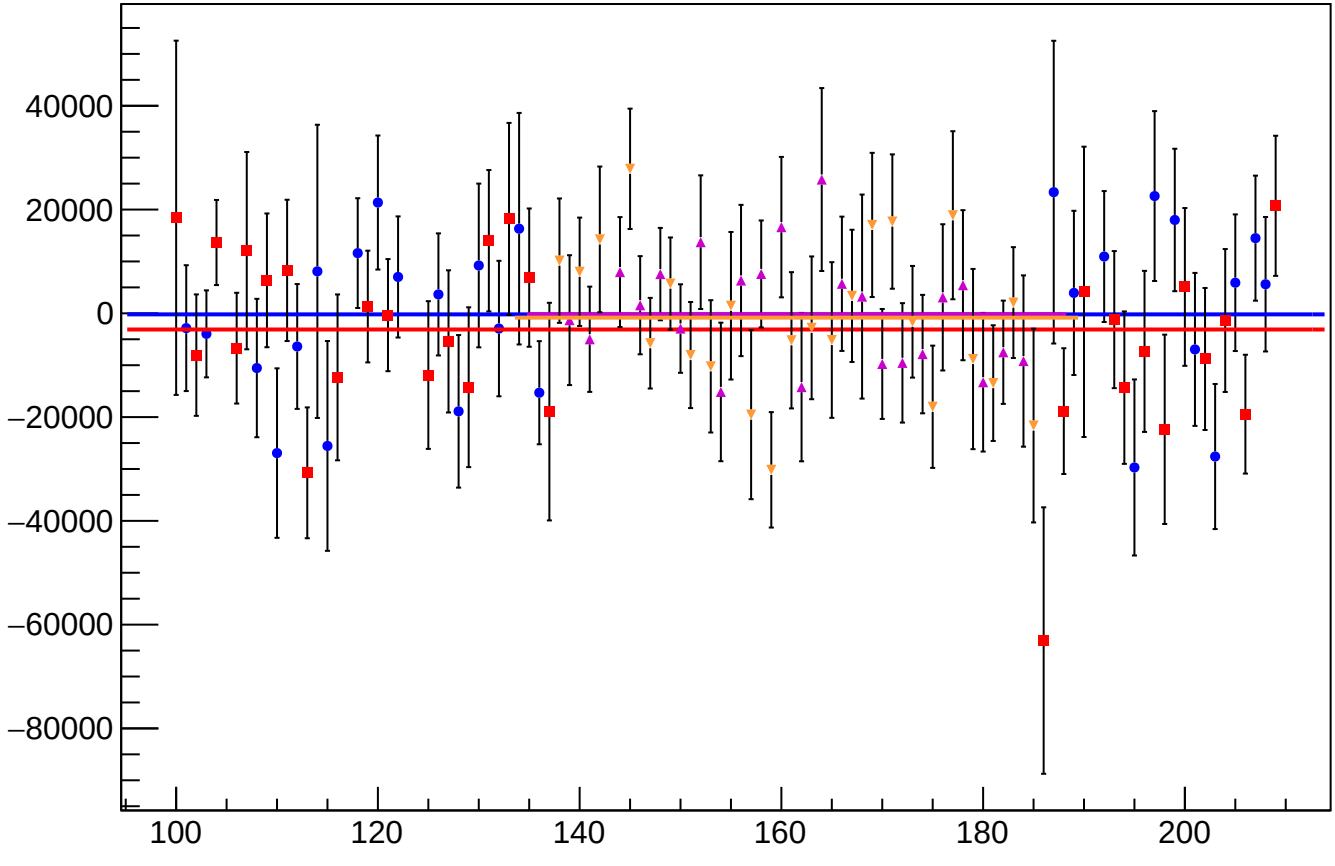
Right: 2192.387+/-0.273 χ^2/NDF: 427993.1/56

In: 2198.768+/-0.267 χ^2/NDF:303088.0/49

Out: 2200.200+/-0.262 χ^2/NDF:295475.7/53

All: 2199.495+/-0.187 χ^2/NDF: 598578.3/103

asym_us_avg_at2lr_avg_avg_cor_correction_mean vs Slug, Sign Corrected



Right In: -200.703+/-2586.899 χ^2/NDF: 29.0/26

Left Out: -833.458+/-2481.469 χ^2/NDF:29.5/23

Right Out: -3114.101+/-2506.058 χ^2/NDF: 31.7/29

Left In: -182.360+/-2471.221 χ^2/NDF:13.8/22

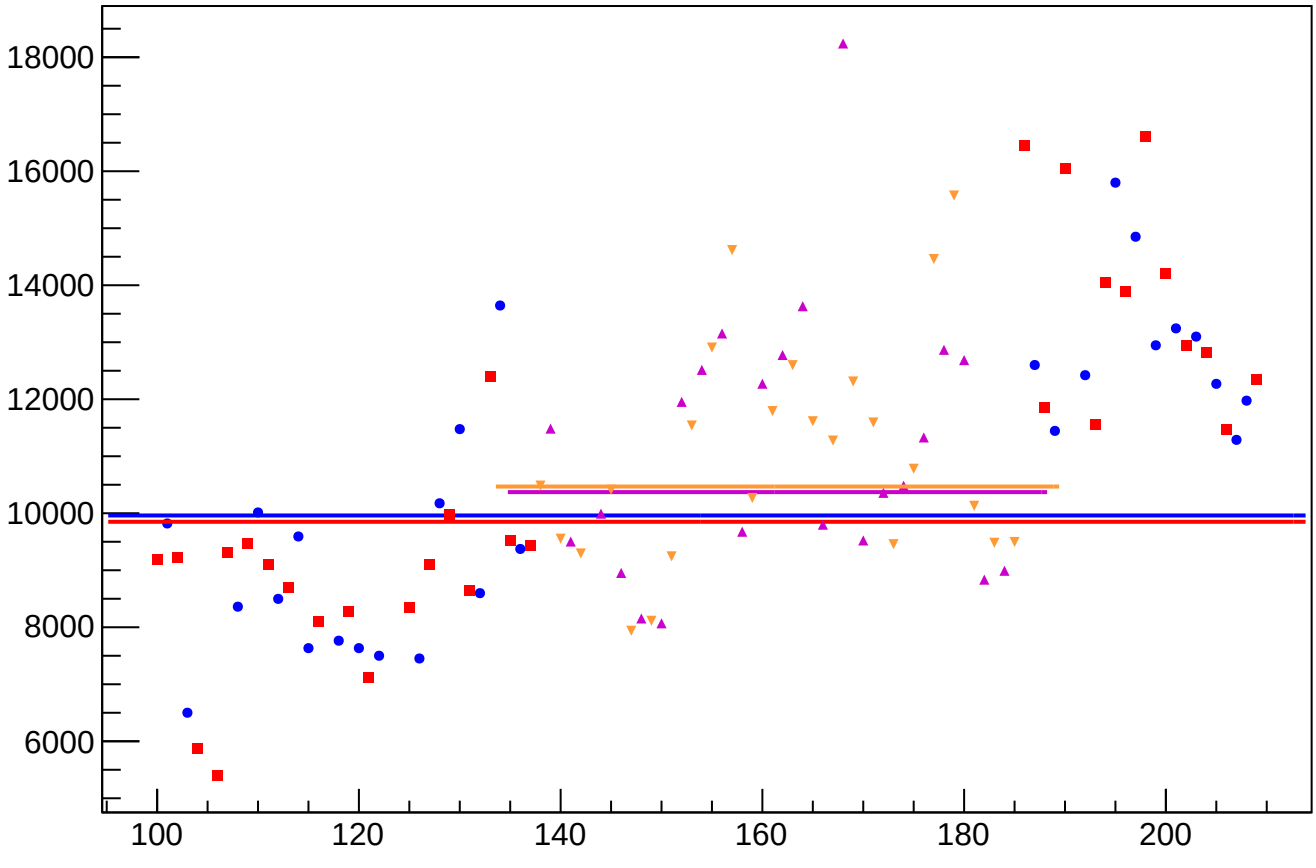
Left: -506.562+/-1751.029 χ^2/NDF: 43.3/46

Right: -1703.635+/-1799.952 χ^2/NDF: 61.4/56

In: -191.112+/-1786.913 χ^2/NDF:42.8/49

Out: -1962.536+/-1763.293 χ^2/NDF:61.6/53

All: -1088.609+/-1255.104 χ^2/NDF: 104.8/10



Right In: 9961.065+/-1.829 χ^2/NDF: 1813285.9/26

Left Out: 10468.676+/-1.755 χ^2/NDF:1045258.5/23

Right Out: 9850.512+/-1.772 χ^2/NDF: 2485831.3/29

Left In: 10370.886+/-1.747 χ^2/NDF:1203763.9/22

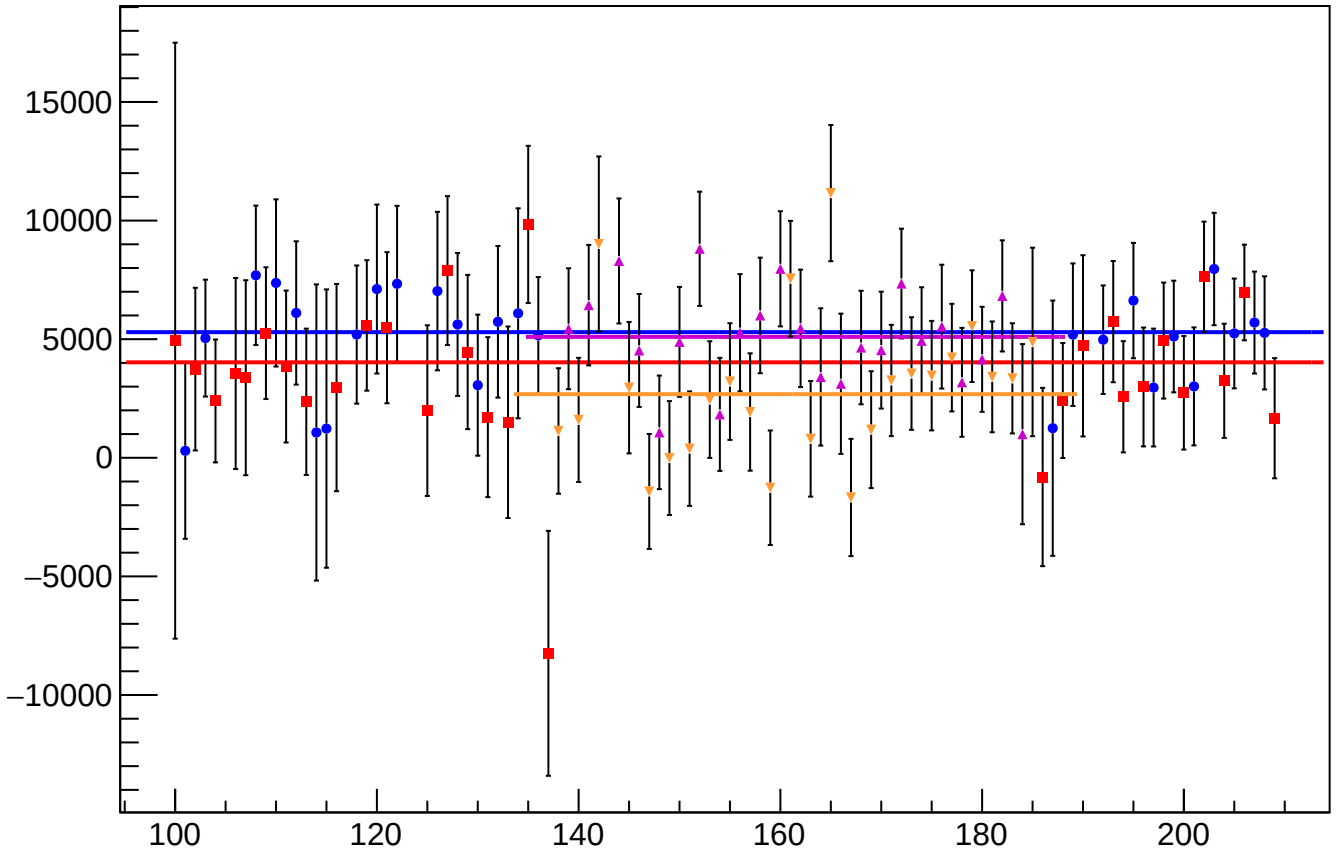
Left: 10419.579+/-1.238 χ^2/NDF: 2250581.8/46

Right: 9904.034+/-1.273 χ^2/NDF: 4301001.5/56

In: 10175.343+/-1.264 χ^2/NDF:3043294.5/49

Out: 10162.642+/-1.247 χ^2/NDF:3592534.8/53

All: 10168.908+/-0.887 χ^2/NDF: 6635880.5/



Right In: 5296.061+/-551.986 χ^2/NDF: 9.3/26

Left Out: 2682.792+/-512.020 χ^2/NDF:30.8/23

Right Out: 4024.348+/-539.749 χ^2/NDF: 22.0/29

Left In: 5096.334+/-516.232 χ^2/NDF:14.9/22

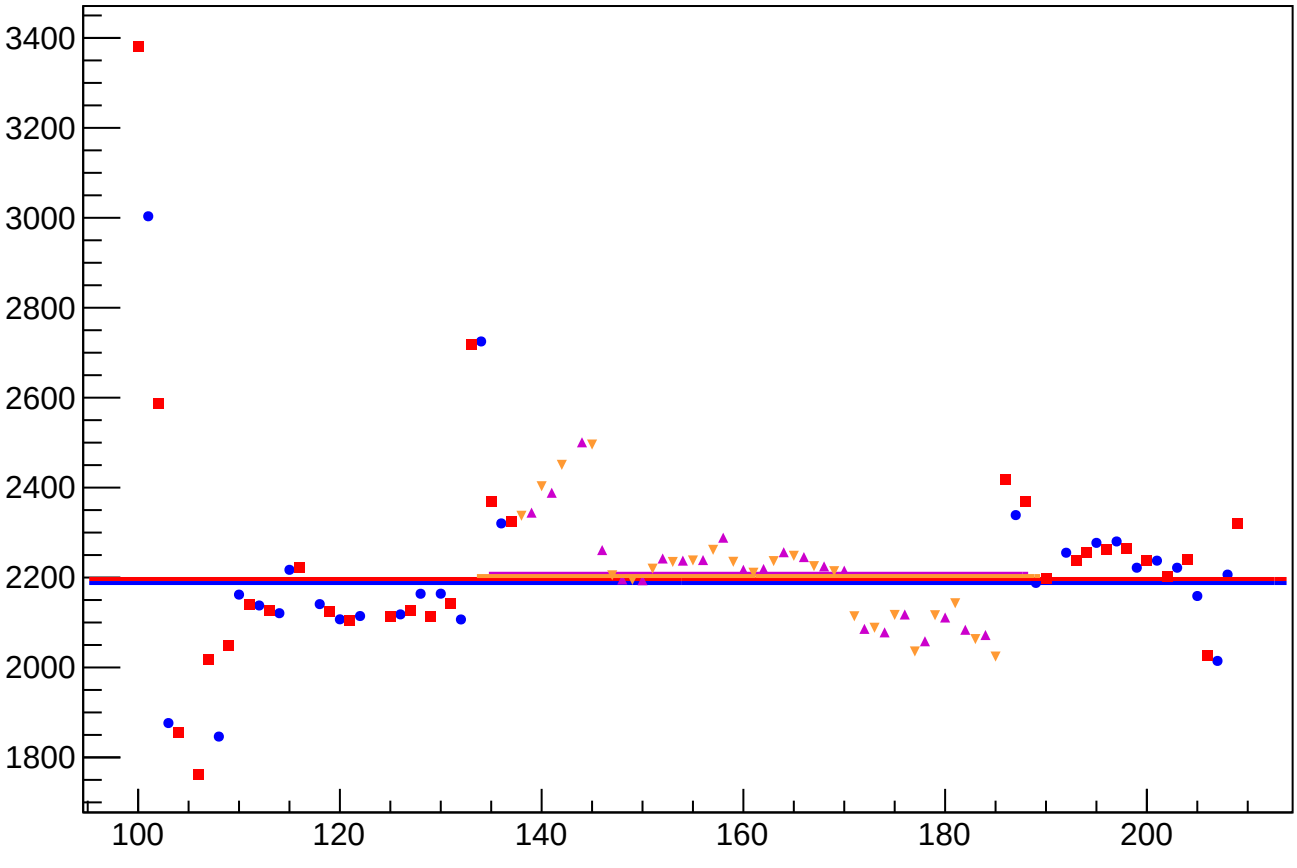
Left: 3879.677+/-363.533 χ^2/NDF: 56.8/46

Right: 4645.953+/-385.914 χ^2/NDF: 34.1/56

In: 5189.520+/-377.038 χ^2/NDF:24.3/49

Out: 3318.225+/-371.469 χ^2/NDF:56.1/53

All: 4239.951+/-264.615 χ^2/NDF: 92.9/103



Right In: 2187.780+/-0.390 χ^2/NDF: 220607.9/26

Left Out: 2203.297+/-0.362 χ^2/NDF:88208.3/23

Right Out: 2196.773+/-0.381 χ^2/NDF: 207113.2/29

Left In: 2208.379+/-0.365 χ^2/NDF:80994.3/22

Left: 2205.817+/-0.257 χ^2/NDF: 169300.4/46

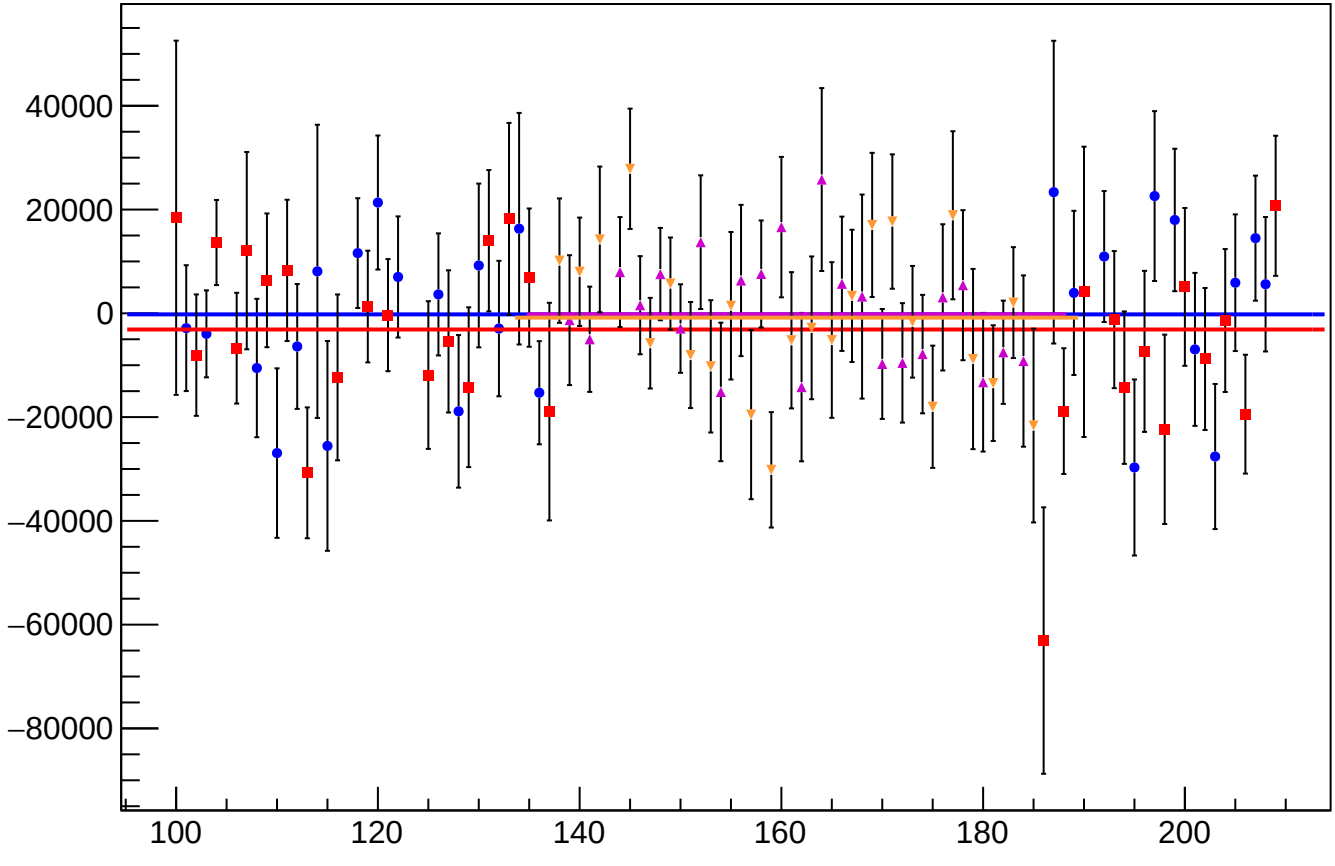
Right: 2192.387+/-0.273 χ^2/NDF: 427993.1/56

In: 2198.768+/-0.267 χ^2/NDF:303088.0/49

Out: 2200.200+/-0.262 χ^2/NDF:295475.7/53

All: 2199.495+/-0.187 χ^2/NDF: 598578.3/103

asym_us_avg_at2lr_avg_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -200.703+/-2586.899 χ^2/NDF: 29.0/26

Left Out: -833.458+/-2481.469 χ^2/NDF:29.5/23

Right Out: -3114.101+/-2506.058 χ^2/NDF: 31.7/29

Left In: -182.360+/-2471.221 χ^2/NDF:13.8/22

Left: -506.562+/-1751.029 χ^2/NDF: 43.3/46

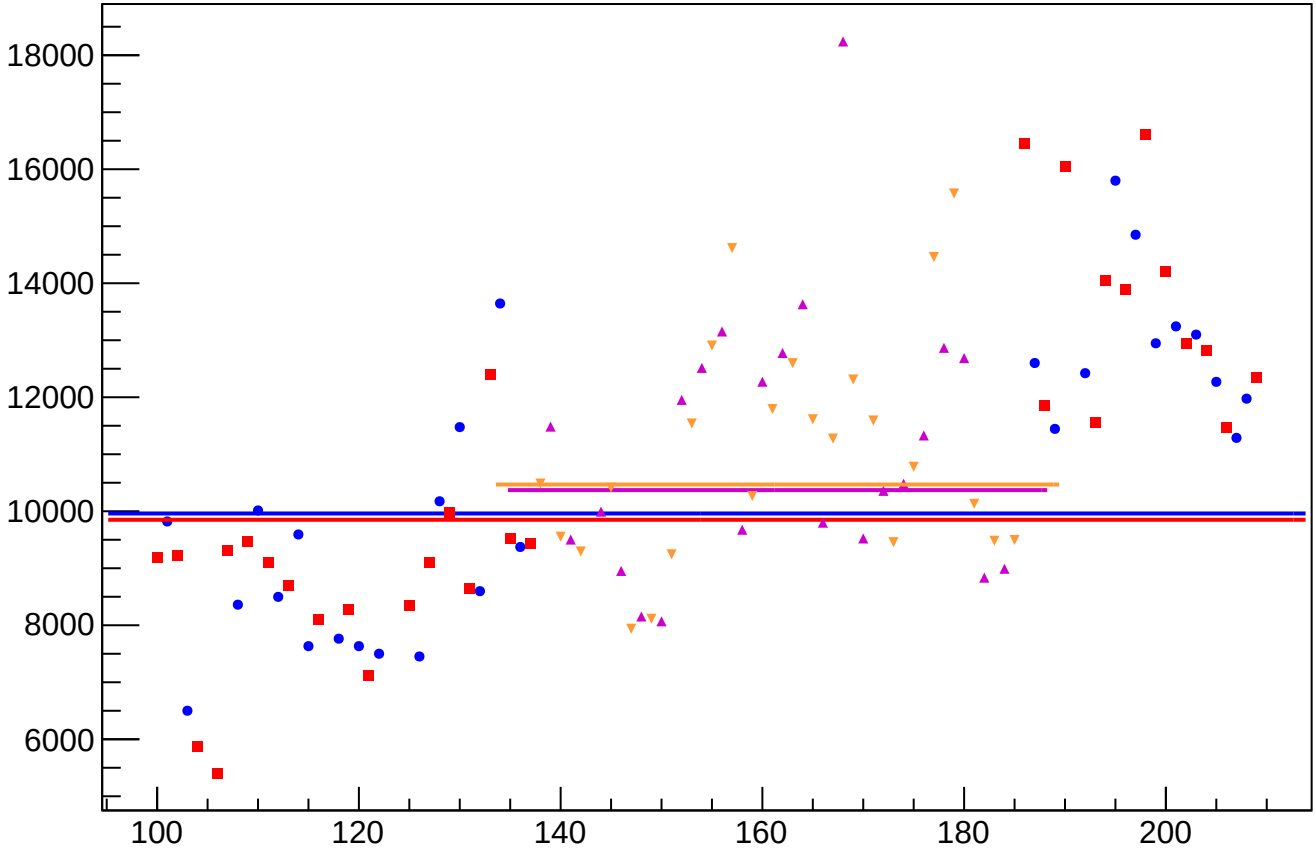
Right: -1703.635+/-1799.952 χ^2/NDF: 61.4/56

In: -191.112+/-1786.913 χ^2/NDF:42.8/49

Out: -1962.536+/-1763.293 χ^2/NDF:61.6/53

All: -1088.609+/-1255.104 χ^2/NDF: 104.8/10

asym_us_avg_at2lr_avg_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 9961.065+/-1.829 χ^2/NDF: 1813285.9/26

Left Out: 10468.676+/-1.755 χ^2/NDF:1045258.5/23

Right Out: 9850.512+/-1.772 χ^2/NDF: 2485831.3/29

Left In: 10370.886+/-1.747 χ^2/NDF:1203763.9/22

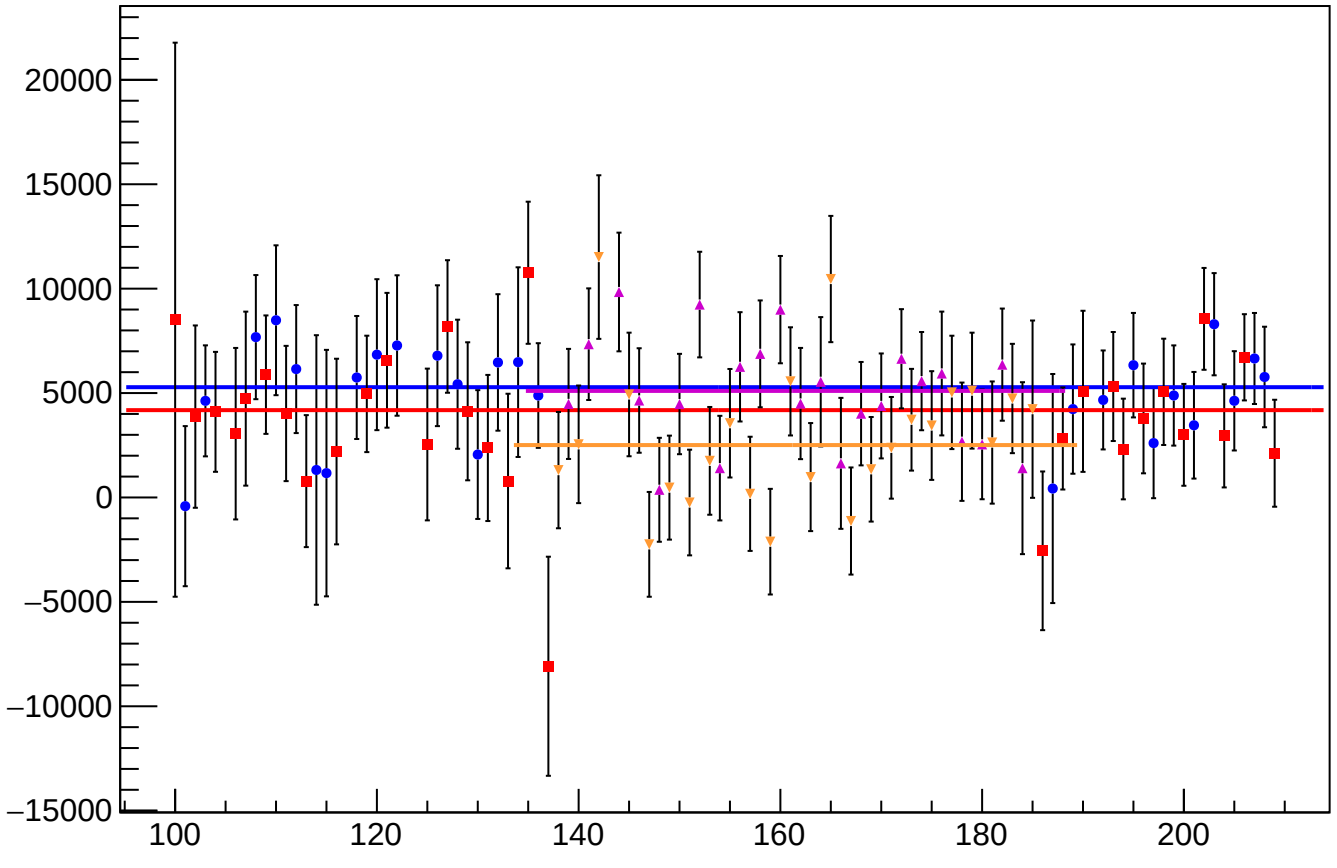
Left: 10419.579+/-1.238 χ^2/NDF: 2250581.8/46

Right: 9904.034+/-1.273 χ^2/NDF: 4301001.5/56

In: 10175.343+/-1.264 χ^2/NDF:3043294.5/49

Out: 10162.642+/-1.247 χ^2/NDF:3592534.8/53

All: 10168.908+/-0.887 χ^2/NDF: 6635880.5/



Right In: 5281.141+/-566.928 χ^2/NDF: 11.5/26

Left Out: 2508.976+/-551.601 χ^2/NDF:29.8/23

Right Out: 4181.863+/-556.533 χ^2/NDF: 24.8/29

Left In: 5102.993+/-552.583 χ^2/NDF:19.9/22

Left: 3803.678+/-390.387 χ^2/NDF: 60.7/46

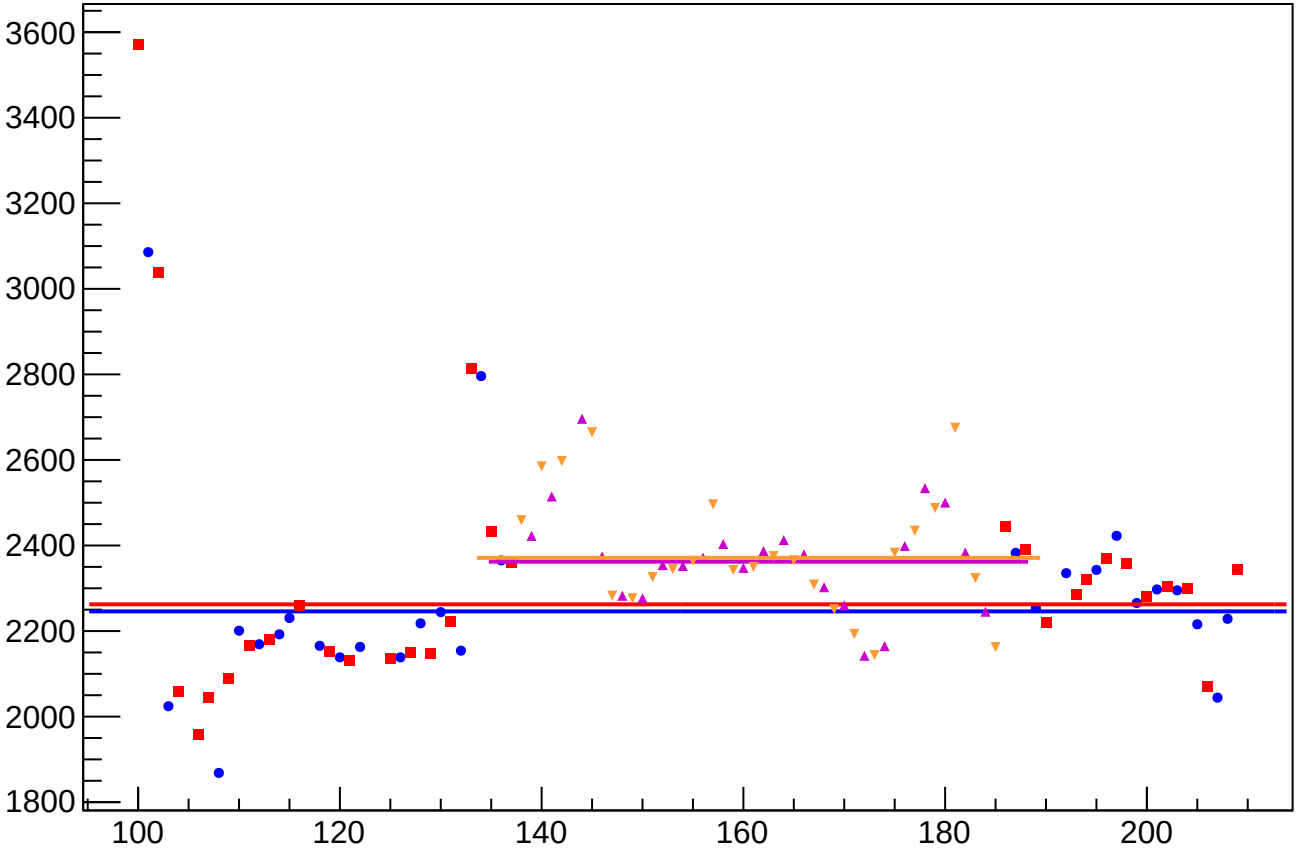
Right: 4721.332+/-397.152 χ^2/NDF: 38.2/56

In: 5189.785+/-395.709 χ^2/NDF:31.4/49

Out: 3337.974+/-391.773 χ^2/NDF:59.1/53

All: 4254.623+/-278.407 χ^2/NDF: 101.6/103

dit_asym_us_avg_at2lr_avg_avg_rms vs Slug, Sign Corrected



Right In: 2246.014+/-0.401 χ^2/NDF: 221329.8/26

Left Out: 2371.137+/-0.390 χ^2/NDF:116296.5/23

Right Out: 2262.408+/-0.393 χ^2/NDF: 213096.9/29

Left In: 2362.218+/-0.391 χ^2/NDF:91896.7/22

Left: 2366.685+/-0.276 χ^2/NDF: 208454.2/46

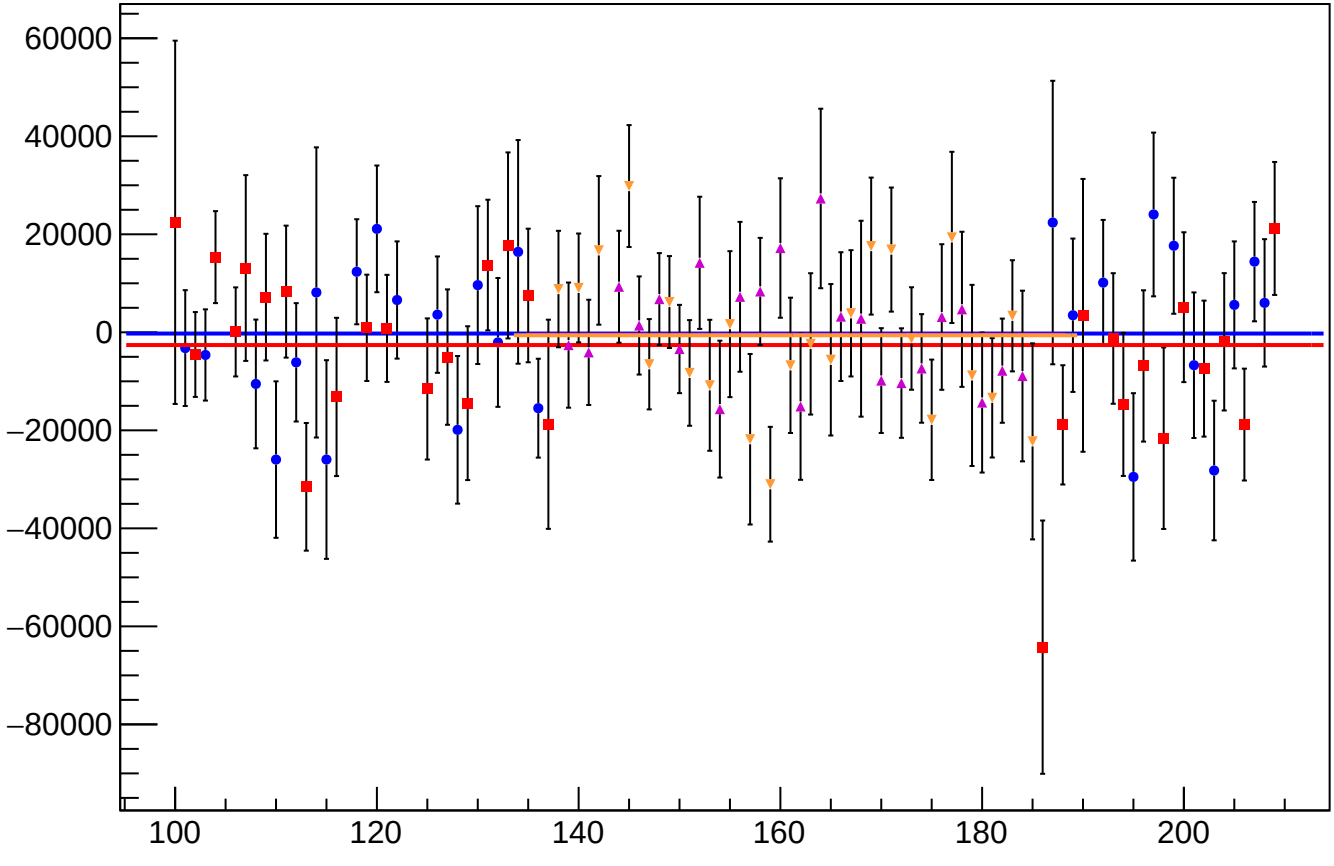
Right: 2254.365+/-0.281 χ^2/NDF: 435278.6/56

In: 2305.605+/-0.280 χ^2/NDF:356316.6/49

Out: 2317.242+/-0.277 χ^2/NDF:367912.1/53

All: 2311.482+/-0.197 χ^2/NDF: 725102.3/103

asym_us_avg_at2lr_avg_avg_dit_correction_mean vs Slug, Sign Corrected



Right In: -252.070+/-2625.328 χ^2/NDF: 28.8/26

Left Out: -608.283+/-2589.919 χ^2/NDF:28.9/23

Right Out: -2597.000+/-2475.384 χ^2/NDF: 31.3/29

Left In: -490.044+/-2577.213 χ^2/NDF:13.5/22

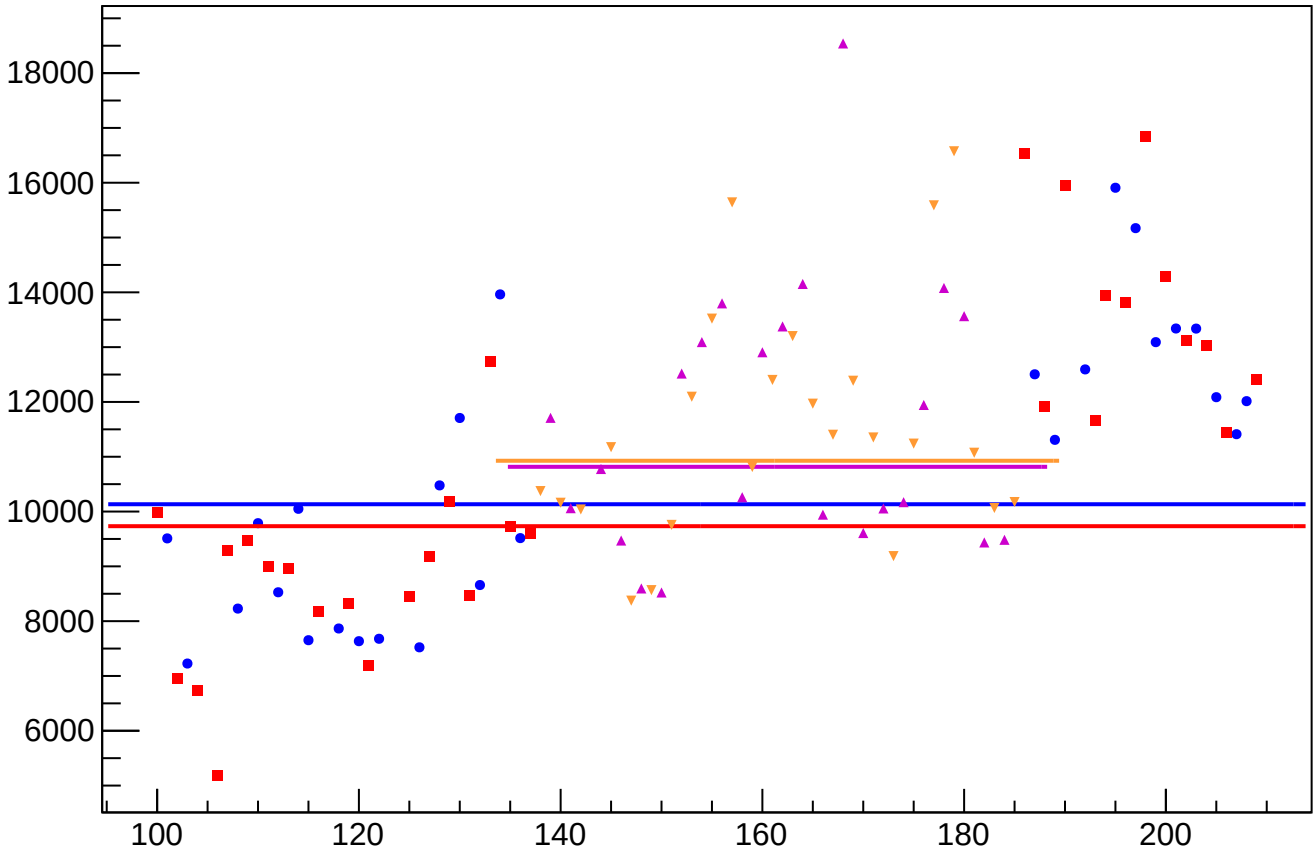
Left: -548.873+/-1826.841 χ^2/NDF: 42.4/46

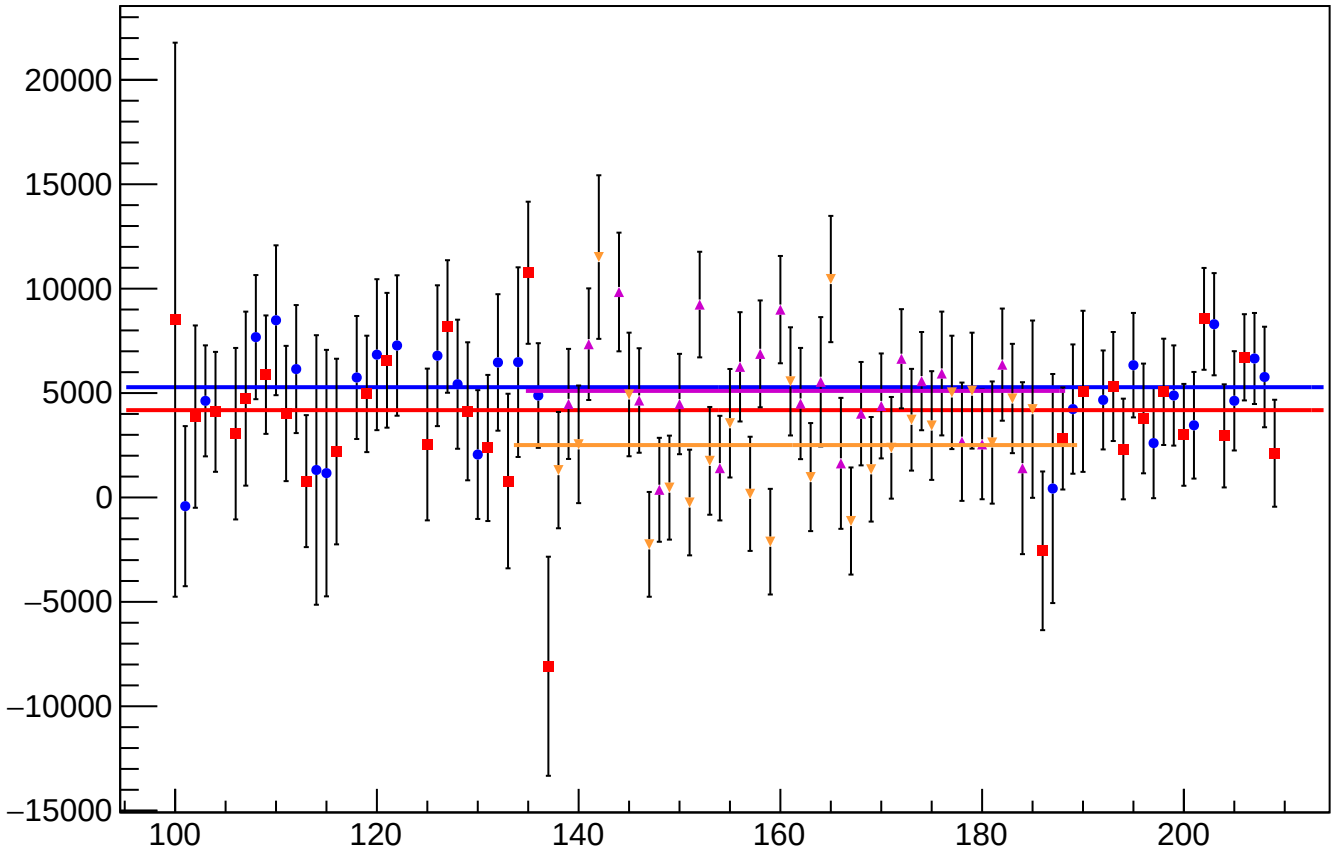
Right: -1493.409+/-1801.038 χ^2/NDF: 60.6/56

In: -373.258+/-1839.140 χ^2/NDF:42.4/49

Out: -1647.587+/-1789.482 χ^2/NDF:60.5/53

All: -1027.859+/-1282.551 χ^2/NDF: 103.1/10


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
Right In: 10133.447+/-1.856 χ²/NDF: 1667058.8/26
Left Out: 10926.860+/-1.831 χ²/NDF:1057331.1/23
Right Out: 9732.936+/-1.750 χ²/NDF: 2650505.9/29
Left In: 10816.320+/-1.822 χ²/NDF:1196820.9/22
Left: 10871.318+/-1.292 χ²/NDF: 2255982.7/46
Right: 9921.428+/-1.274 χ²/NDF: 4342205.3/56
In: 10481.198+/-1.300 χ²/NDF:2932788.2/49
Out: 10302.915+/-1.265 χ²/NDF:3929953.3/53
All: 10389.617+/-0.907 χ²/NDF: 6872395.7/



Right In: 5281.138+/-566.928 χ^2/NDF: 11.5/26

Left Out: 2508.963+/-551.602 χ^2/NDF:29.8/23

Right Out: 4181.860+/-556.533 χ^2/NDF: 24.8/29

Left In: 5102.996+/-552.584 χ^2/NDF:19.9/22

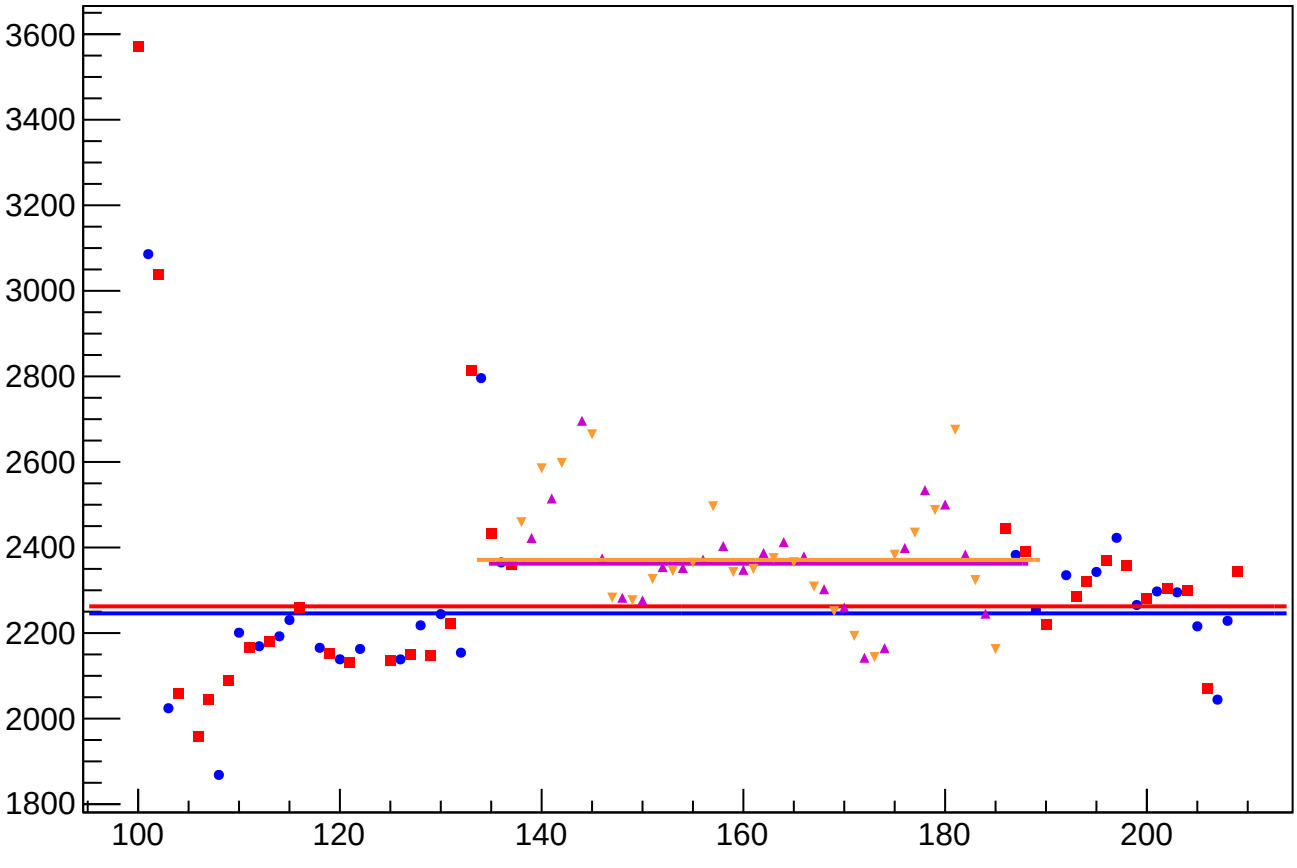
Left: 3803.673+/-390.388 χ^2/NDF: 60.7/46

Right: 4721.329+/-397.152 χ^2/NDF: 38.2/56

In: 5189.785+/-395.710 χ^2/NDF:31.4/49

Out: 3337.967+/-391.773 χ^2/NDF:59.1/53

All: 4254.619+/-278.407 χ^2/NDF: 101.6/103



Right In: 2246.013+/-0.401 χ^2/NDF: 221329.9/26

Left Out: 2371.140+/-0.390 χ^2/NDF:116300.8/23

Right Out: 2262.408+/-0.393 χ^2/NDF: 213097.4/29

Left In: 2362.221+/-0.391 χ^2/NDF:91901.3/22

Left: 2366.689+/-0.276 χ^2/NDF: 208463.0/46

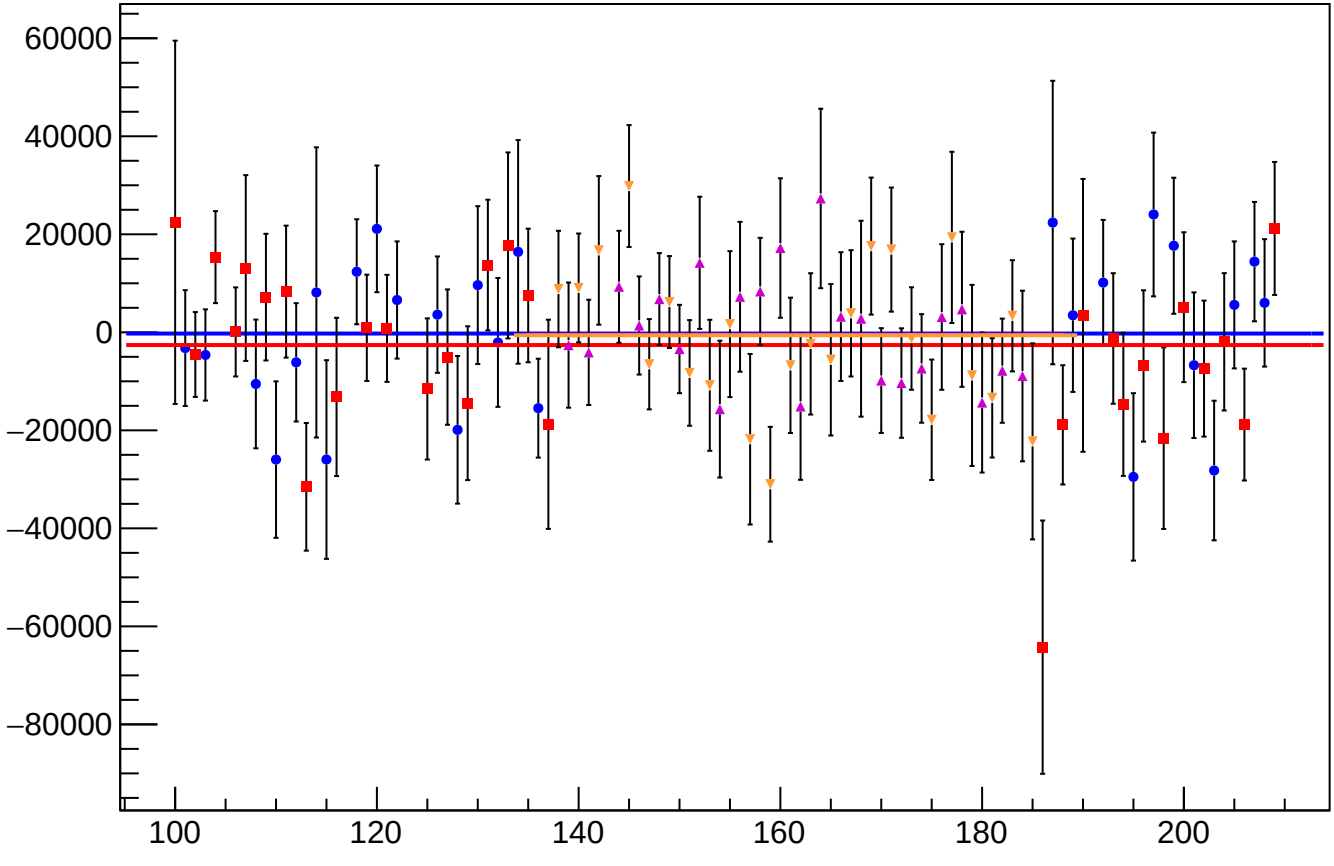
Right: 2254.365+/-0.281 χ^2/NDF: 435279.3/56

In: 2305.606+/-0.280 χ^2/NDF:356323.9/49

Out: 2317.243+/-0.277 χ^2/NDF:367919.2/53

All: 2311.484+/-0.197 χ^2/NDF: 725116.7/103

asym_us_avg_at2lr_avg_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -252.063+/-2625.326 χ^2/NDF: 28.8/26

Left Out: -608.291+/-2589.924 χ^2/NDF:28.9/23

Right Out: -2596.986+/-2475.381 χ^2/NDF: 31.3/29

Left In: -490.047+/-2577.218 χ^2/NDF:13.5/22

Left: -548.878+/-1826.844 χ^2/NDF: 42.4/46

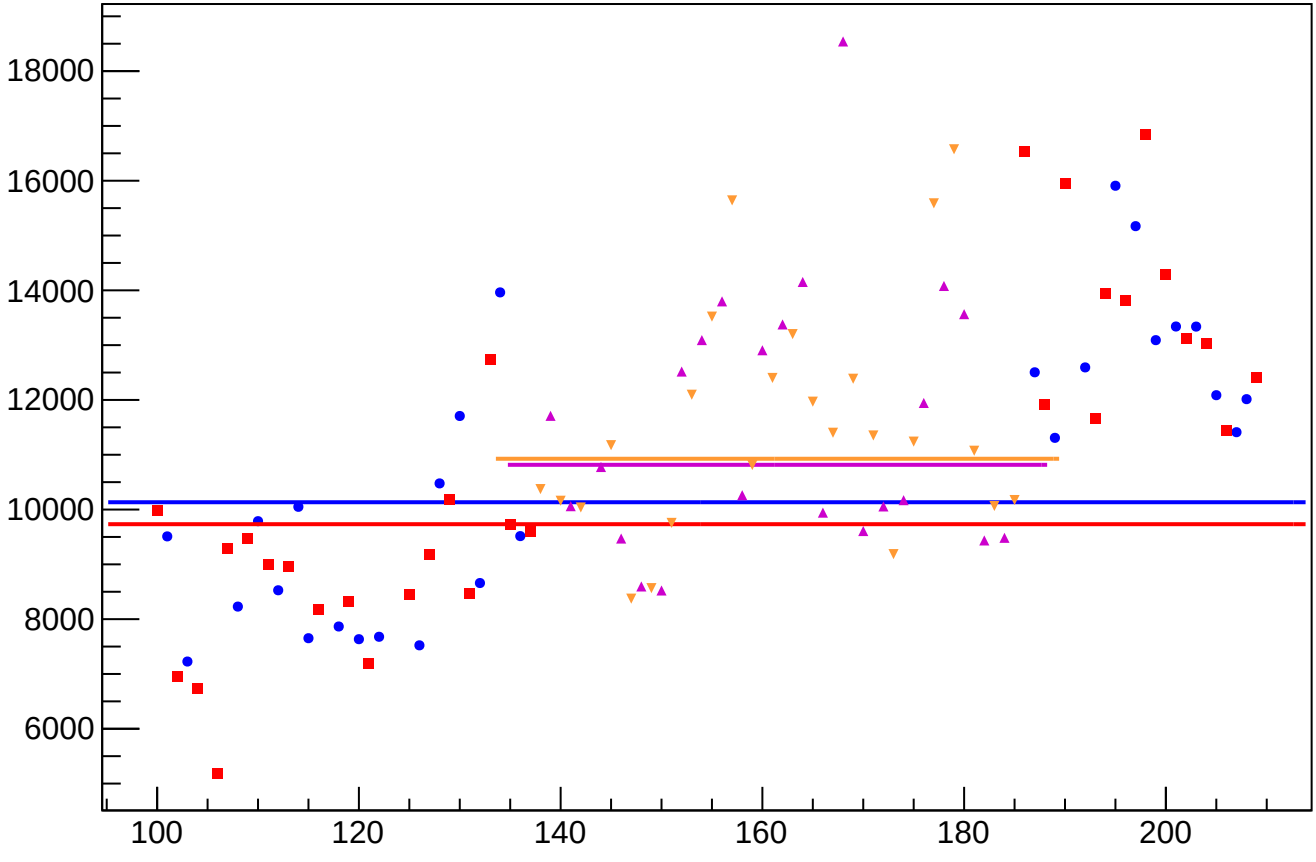
Right: -1493.399+/-1801.036 χ^2/NDF: 60.6/56

In: -373.256+/-1839.141 χ^2/NDF:42.4/49

Out: -1647.586+/-1789.482 χ^2/NDF:60.5/53

All: -1027.857+/-1282.552 χ^2/NDF: 103.1/10

asym_us_avg_at2lr_avg_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 10133.434+/-1.856 χ^2/NDF: 1667084.9/26

Left Out: 10926.878+/-1.831 χ^2/NDF:1057333.6/23

Right Out: 9732.923+/-1.750 χ^2/NDF: 2650528.4/29

Left In: 10816.337+/-1.822 χ^2/NDF:1196824.5/22

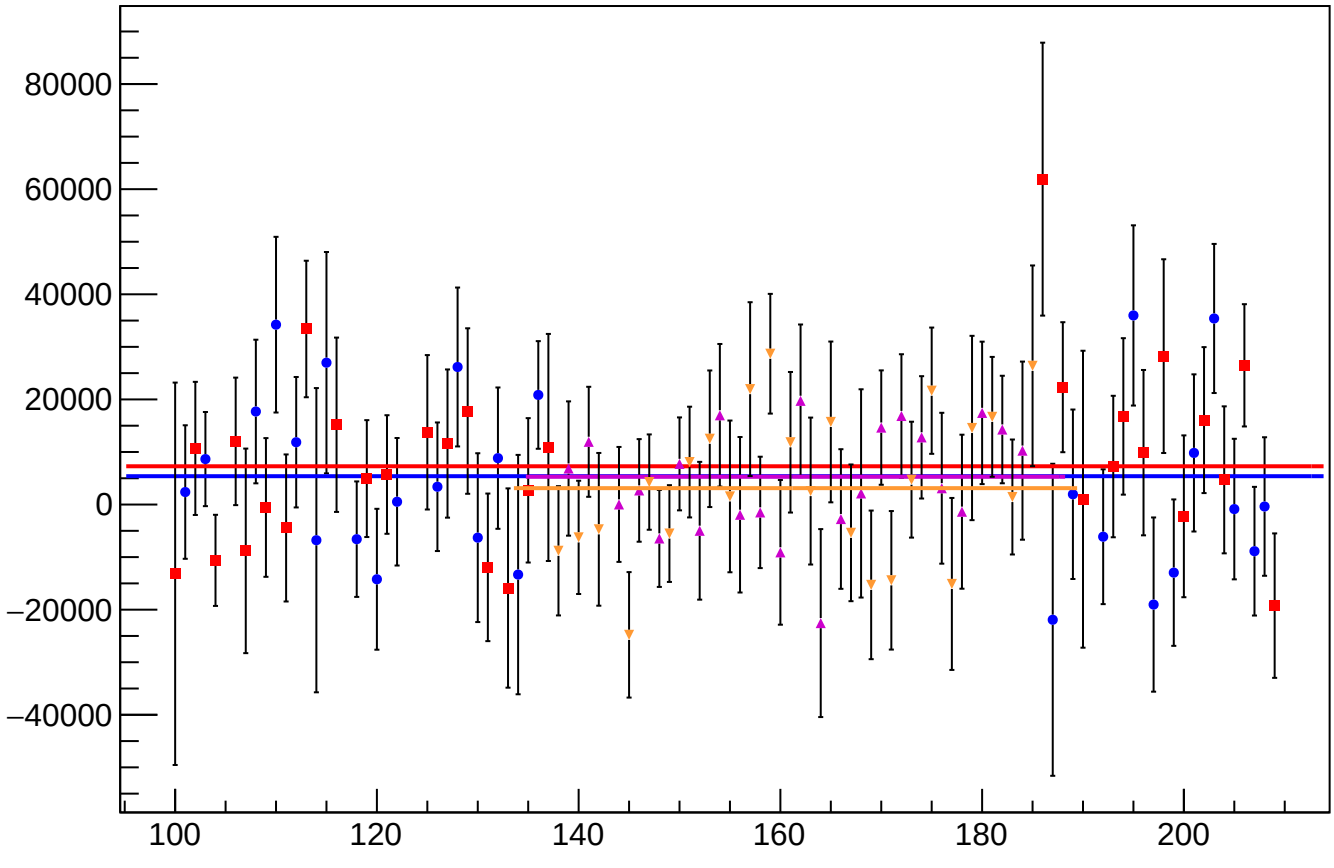
Left: 10871.336+/-1.292 χ^2/NDF: 2255988.7/46

Right: 9921.414+/-1.274 χ^2/NDF: 4342254.0/56

In: 10481.200+/-1.300 χ^2/NDF:2932823.8/49

Out: 10302.915+/-1.265 χ^2/NDF:3929989.9/53

All: 10389.618+/-0.907 χ^2/NDF: 6872468.0/



Right In: 5393.761+/-2664.415 χ^2/NDF: 29.6/26

Left Out: 3119.161+/-2542.855 χ^2/NDF:27.4/23

Right Out: 7281.816+/-2594.029 χ^2/NDF: 30.1/29

Left In: 5290.718+/-2532.995 χ^2/NDF:13.3/22

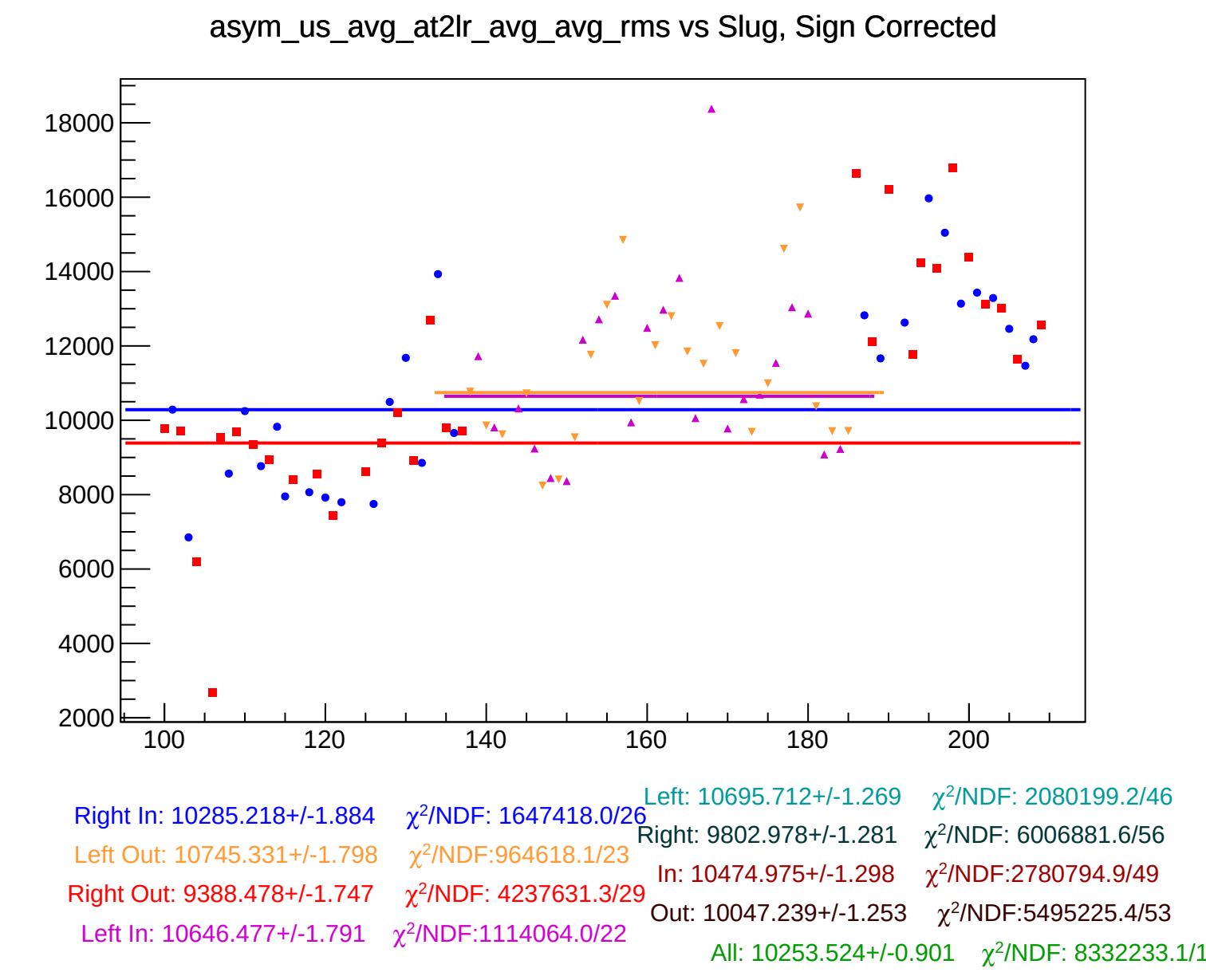
Left: 4209.158+/-1794.574 χ^2/NDF: 41.1/46

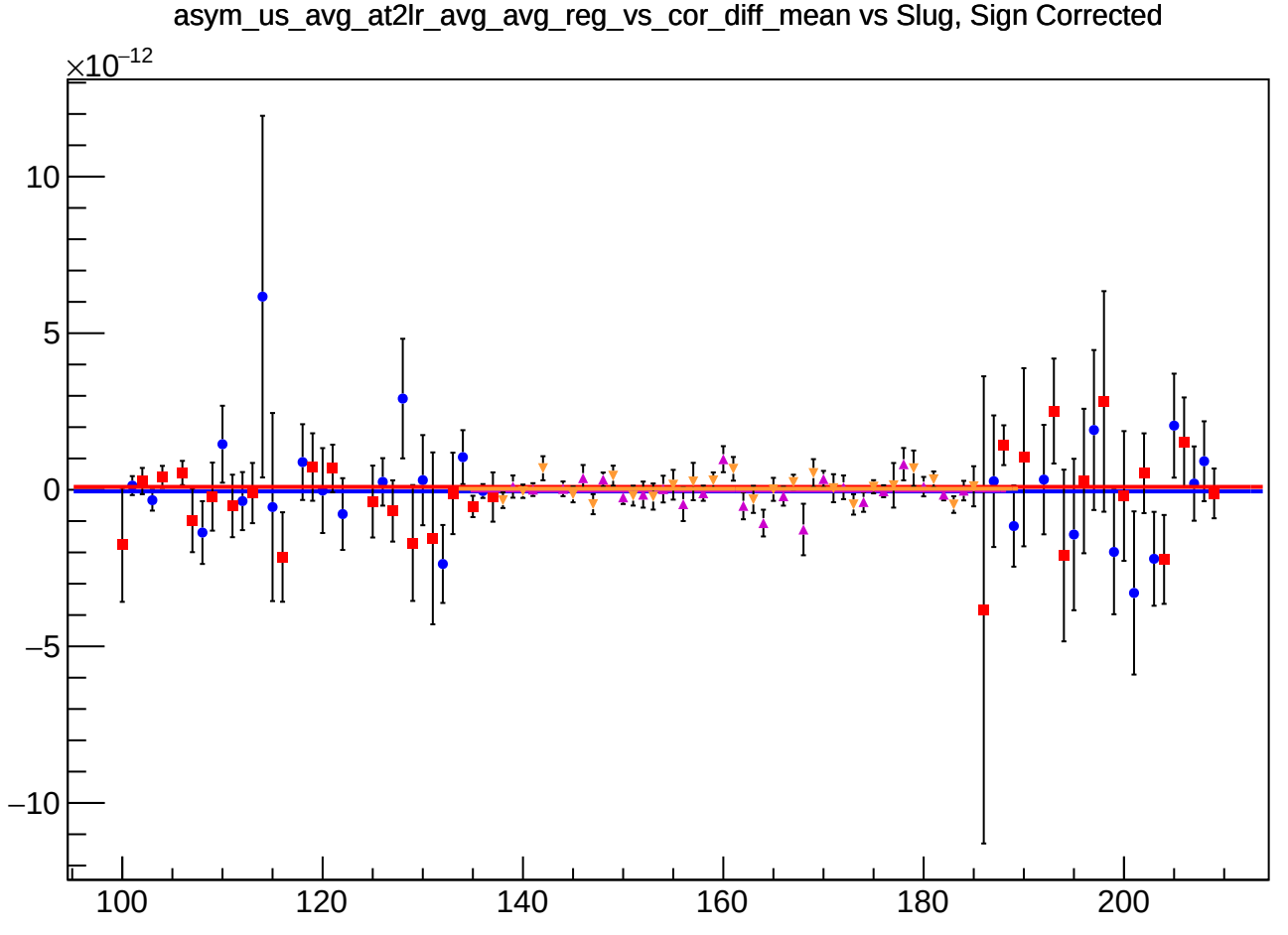
Right: 6363.057+/-1858.641 χ^2/NDF: 59.9/56

In: 5339.636+/-1835.800 χ^2/NDF:42.9/49

Out: 5159.025+/-1815.892 χ^2/NDF:58.8/53

All: 5248.346+/-1291.011 χ^2/NDF: 101.7/103


asym_us_avg_at2lr_avg_avg_rms vs Slug, Sign Corrected
18000
16000
14000
12000
10000
8000
6000
4000
2000
100
120
140
160
180
200
Right In: 10285.218+/-1.884 χ²/NDF: 1647418.0/26
Left Out: 10745.331+/-1.798 χ²/NDF:964618.1/23
Right Out: 9388.478+/-1.747 χ²/NDF: 4237631.3/29
Left In: 10646.477+/-1.791 χ²/NDF:1114064.0/22
Left: 10695.712+/-1.269 χ²/NDF: 2080199.2/46
Right: 9802.978+/-1.281 χ²/NDF: 6006881.6/56
In: 10474.975+/-1.298 χ²/NDF:2780794.9/49
Out: 10047.239+/-1.253 χ²/NDF:5495225.4/53
All: 10253.524+/-0.901 χ²/NDF: 8332233.1/1



Right In: -0.000+/-0.000 χ^2/NDF: 22.8/26

Left Out: 0.000+/-0.000 χ^2/NDF:26.3/23

Right Out: 0.000+/-0.000 χ^2/NDF: 26.0/29

Left In: -0.000+/-0.000 χ^2/NDF:27.9/22

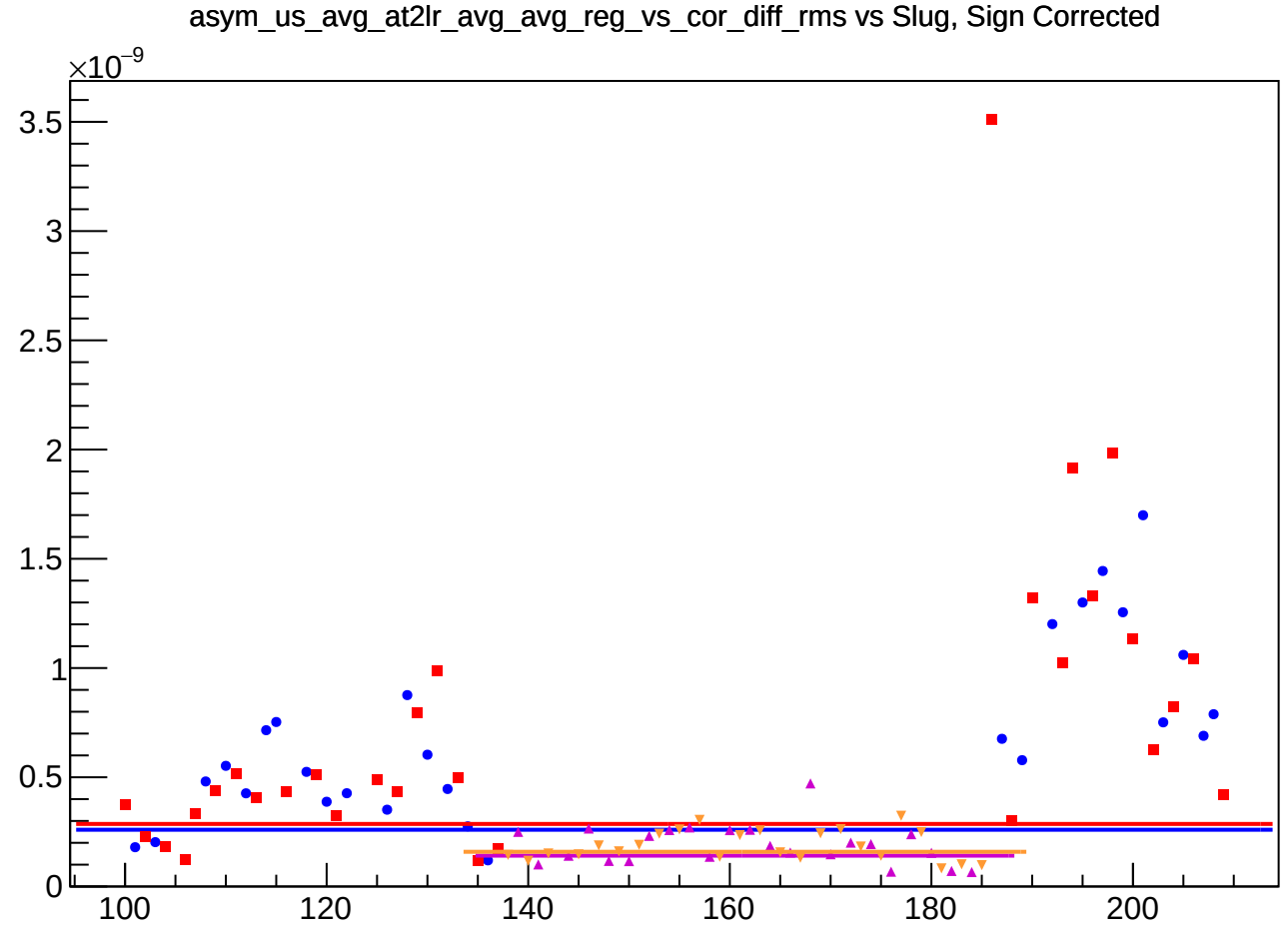
Left: 0.000+/-0.000 χ^2/NDF: 54.6/46

Right: 0.000+/-0.000 χ^2/NDF: 49.3/56

In: -0.000+/-0.000 χ^2/NDF:50.7/49

Out: 0.000+/-0.000 χ^2/NDF:52.4/53

All: 0.000+/-0.000 χ^2/NDF: 103.9/103



Right In: 0.000+/-0.000 χ^2/NDF: 5871353.4/26

Left Out: 0.000+/-0.000 χ^2/NDF:1297018.7/23

Right Out: 0.000+/-0.000 χ^2/NDF: 5806780.6/29

Left In: 0.000+/-0.000 χ^2/NDF:2396288.8/22

Left: 0.000+/-0.000 χ^2/NDF: 3771928.7/46

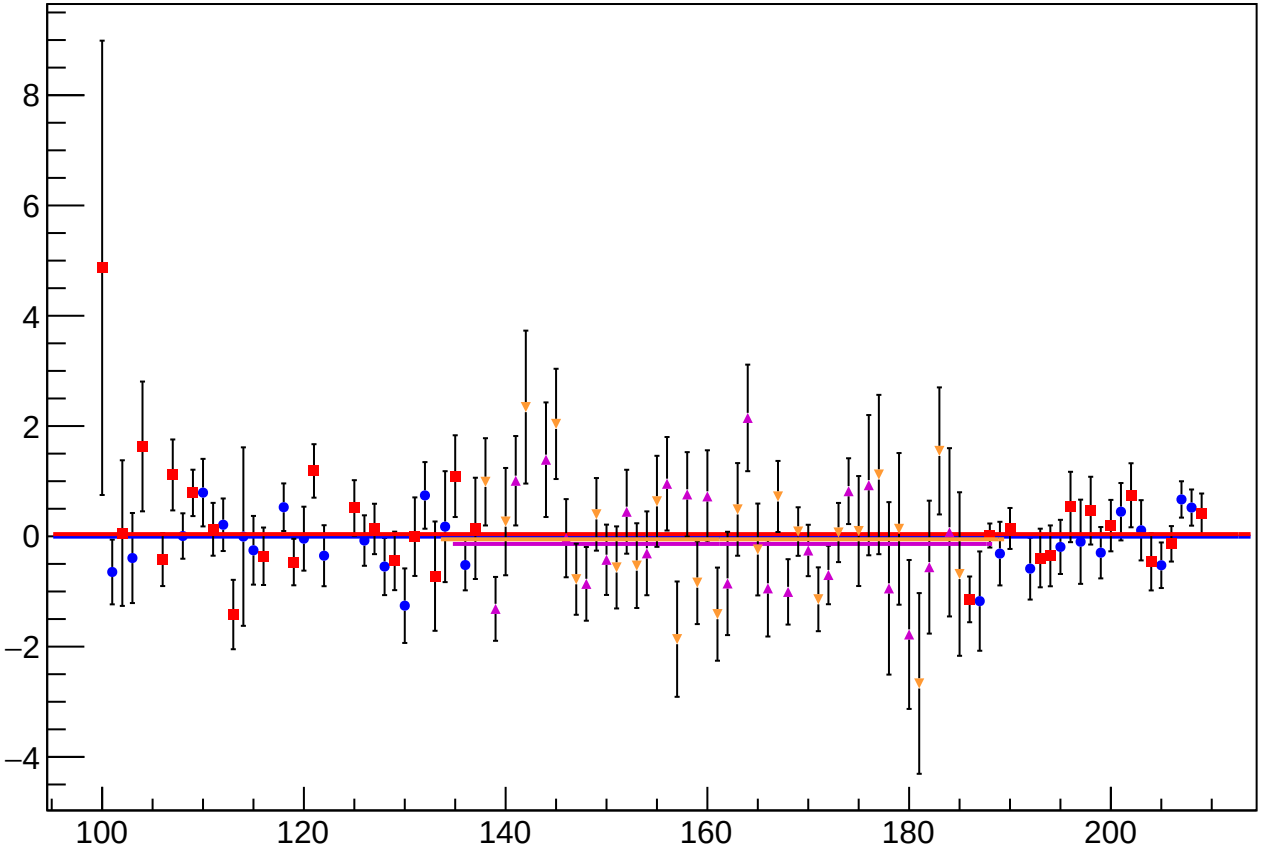
Right: 0.000+/-0.000 χ^2/NDF: 11713586.6/56

In: 0.000+/-0.000 χ^2/NDF:9529649.7/49

Out: 0.000+/-0.000 χ^2/NDF:8388575.5/53

All: 0.000+/-0.000 χ^2/NDF: 18033588.0/103

asym_us_avg_at2lr_avg_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.005+/-0.100 χ^2/NDF: 25.5/26

Left Out: -0.053+/-0.161 χ^2/NDF:30.1/23

Right Out: 0.040+/-0.089 χ^2/NDF: 41.8/29

Left In: -0.138+/-0.158 χ^2/NDF:30.0/22

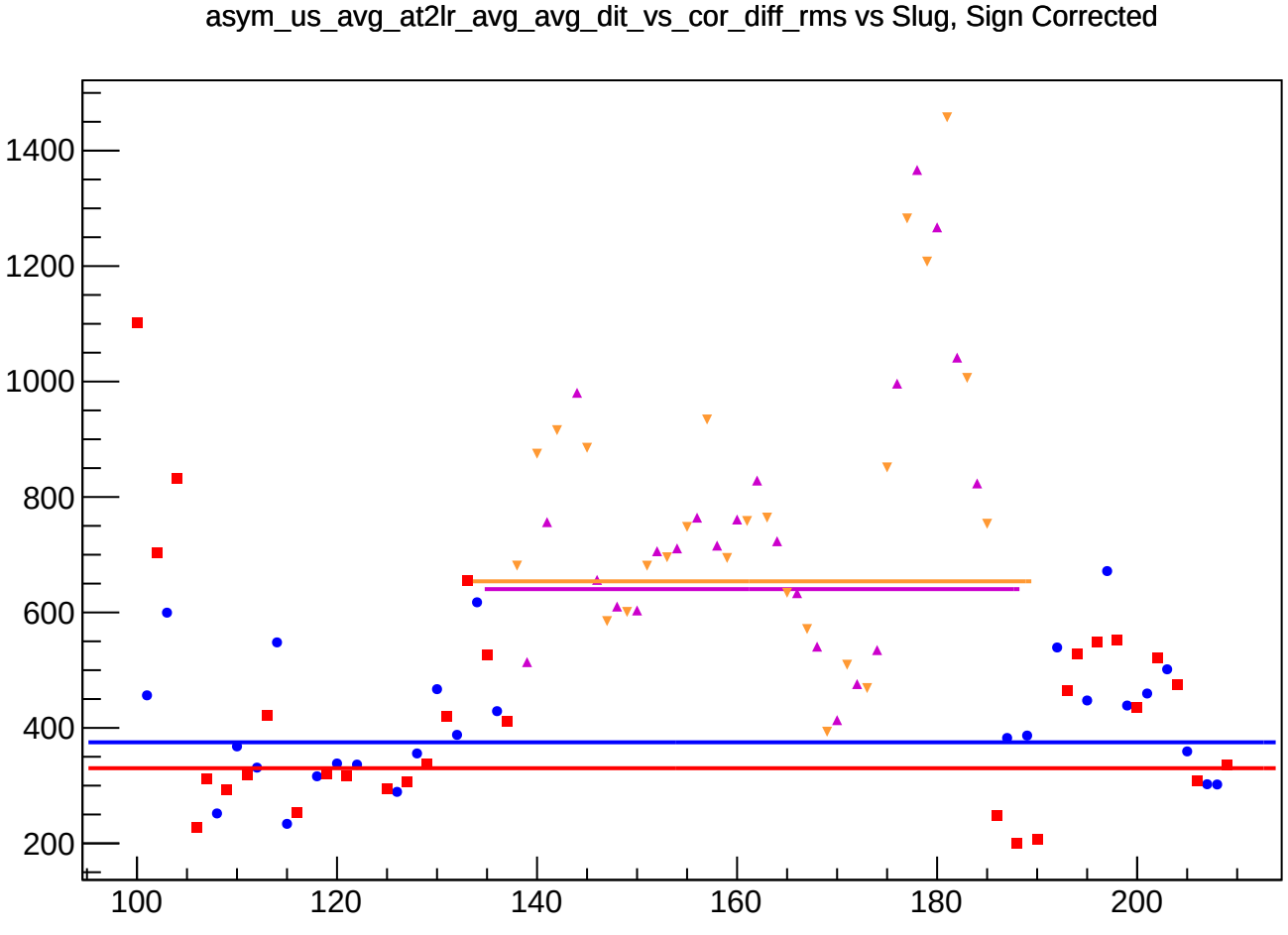
Left: -0.096+/-0.113 χ^2/NDF: 60.2/46

Right: 0.020+/-0.066 χ^2/NDF: 67.4/56

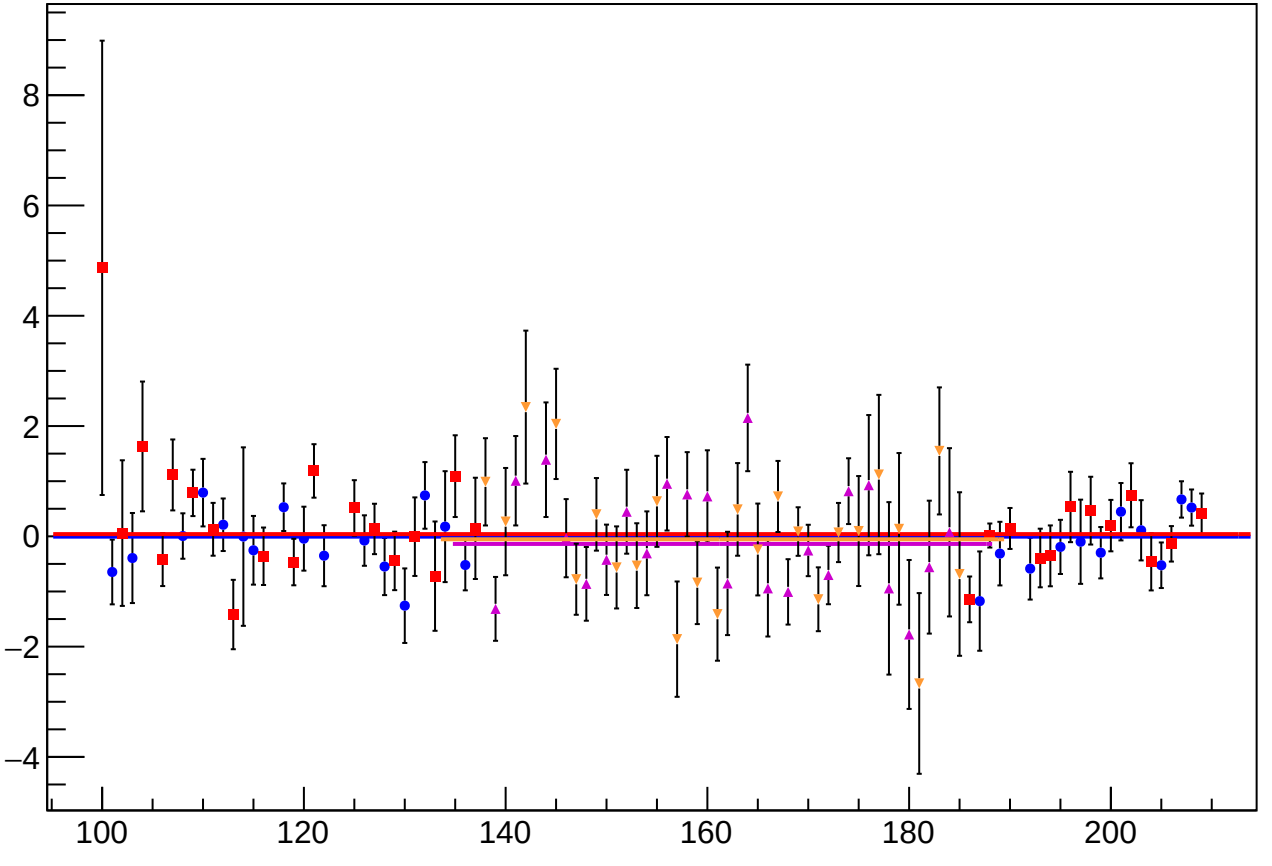
In: -0.043+/-0.084 χ^2/NDF:56.0/49

Out: 0.019+/-0.078 χ^2/NDF:72.2/53

All: -0.010+/-0.057 χ^2/NDF: 128.5/103


asym_us_avg_at2lr_avg_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected
1400
1200
1000
800
600
400
200
100
120
140
160
180
200
Right In: 375.069+/-0.071 χ²/NDF: 1735969.2/26
Left Out: 653.930+/-0.114 χ²/NDF:3124472.6/23
Right Out: 330.185+/-0.063 χ²/NDF: 3591045.0/29
Left In: 640.392+/-0.112 χ²/NDF:2647967.4/22
Left: 647.014+/-0.080 χ²/NDF: 5779634.4/46
Right: 350.011+/-0.047 χ²/NDF: 5552836.5/56
In: 450.837+/-0.060 χ²/NDF:8420088.0/49
Out: 405.435+/-0.055 χ²/NDF:12897651.3/53
All: 426.296+/-0.040 χ²/NDF: 21630863.2/10

asym_us_avg_at2lr_avg_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.005+/-0.100 χ^2/NDF: 25.5/26

Left Out: -0.053+/-0.161 χ^2/NDF:30.1/23

Right Out: 0.040+/-0.089 χ^2/NDF: 41.8/29

Left In: -0.138+/-0.158 χ^2/NDF:30.0/22

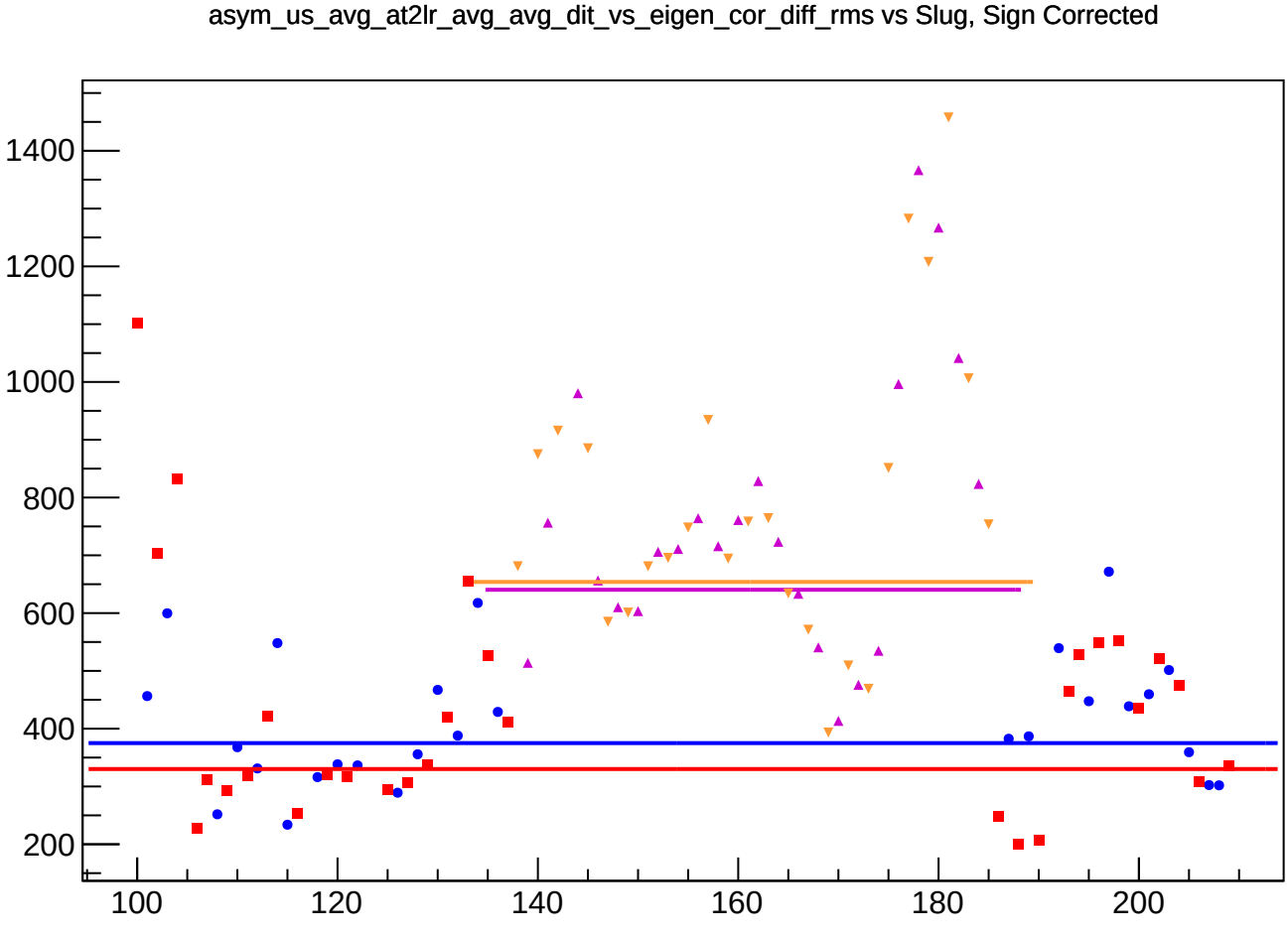
Left: -0.096+/-0.113 χ^2/NDF: 60.2/46

Right: 0.020+/-0.066 χ^2/NDF: 67.4/56

In: -0.043+/-0.084 χ^2/NDF:56.0/49

Out: 0.019+/-0.078 χ^2/NDF:72.2/53

All: -0.010+/-0.057 χ^2/NDF: 128.5/103



Right In: 375.069+/-0.071 χ^2/NDF: 1735969.2/26

Left Out: 653.930+/-0.114 χ^2/NDF:3124472.6/23

Right Out: 330.185+/-0.063 χ^2/NDF: 3591045.0/29

Left In: 640.392+/-0.112 χ^2/NDF:2647967.4/22

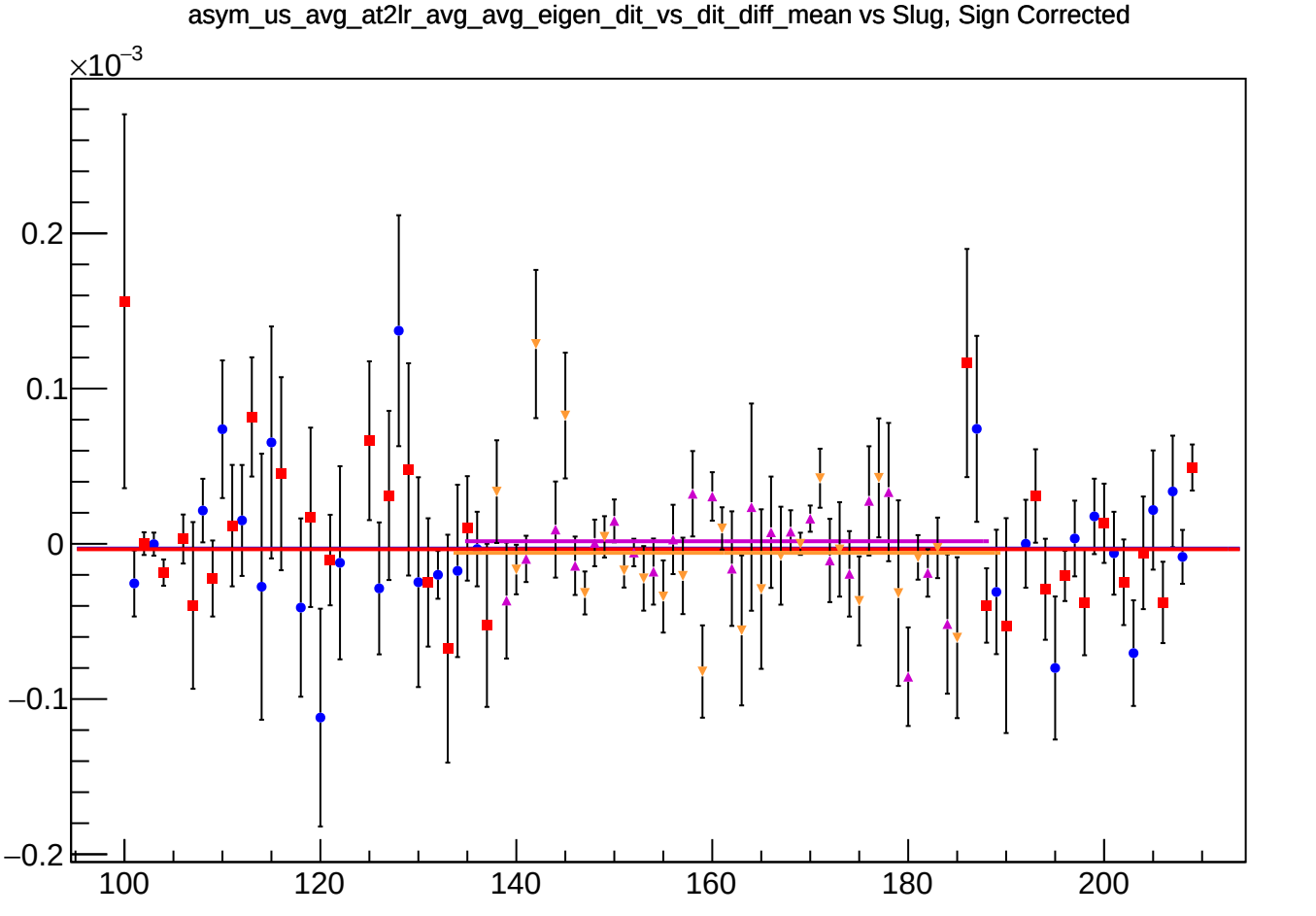
Left: 647.014+/-0.080 χ^2/NDF: 5779634.4/46

Right: 350.011+/-0.047 χ^2/NDF: 5552836.5/56

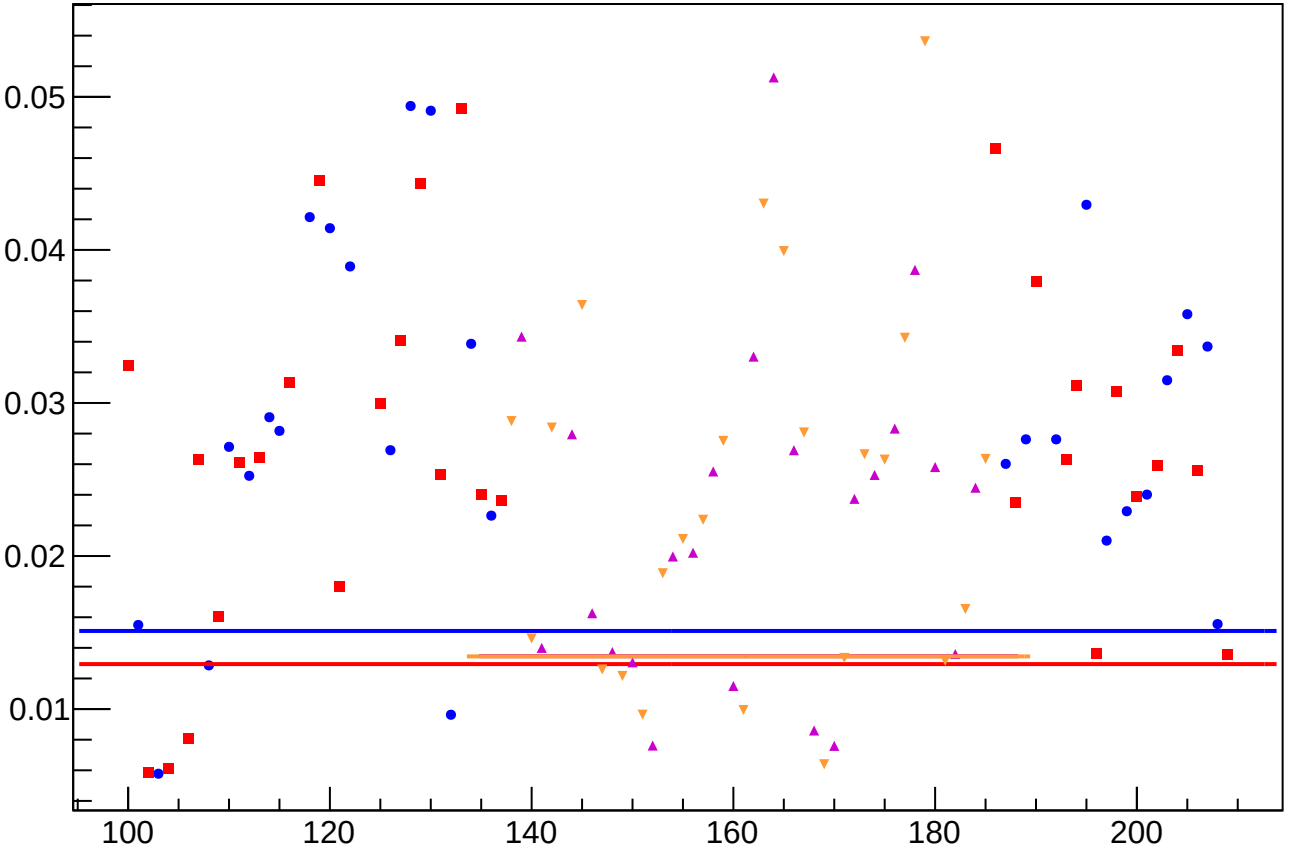
In: 450.837+/-0.060 χ^2/NDF:8420088.0/49

Out: 405.435+/-0.055 χ^2/NDF:12897651.3/53

All: 426.296+/-0.040 χ^2/NDF: 21630863.2/10


asym_us_avg_at2lr_avg_avg_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected
×10^−3
0.2
0.1
0
−0.1
−0.2
100
120
140
160
180
200
Right In: -0.000+/-0.000 χ²/NDF: 26.3/26
Left Out: -0.000+/-0.000 χ²/NDF:42.6/23
Right Out: -0.000+/-0.000 χ²/NDF: 42.0/29
Left In: 0.000+/-0.000 χ²/NDF:25.6/22
Left: -0.000+/-0.000 χ²/NDF: 70.2/46
Right: -0.000+/-0.000 χ²/NDF: 68.3/56
In: -0.000+/-0.000 χ²/NDF:52.5/49
Out: -0.000+/-0.000 χ²/NDF:84.8/53
All: -0.000+/-0.000 χ²/NDF: 138.6/103

asym_us_avg_at2lr_avg_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.015+/-0.000 χ^2/NDF: 9891479.0/26

Left Out: 0.013+/-0.000 χ^2/NDF:8856192.5/23

Right Out: 0.013+/-0.000 χ^2/NDF: 11361446.9/29

Left In: 0.013+/-0.000 χ^2/NDF:7548263.6/22

Left: 0.013+/-0.000 χ^2/NDF: 16404470.0/46

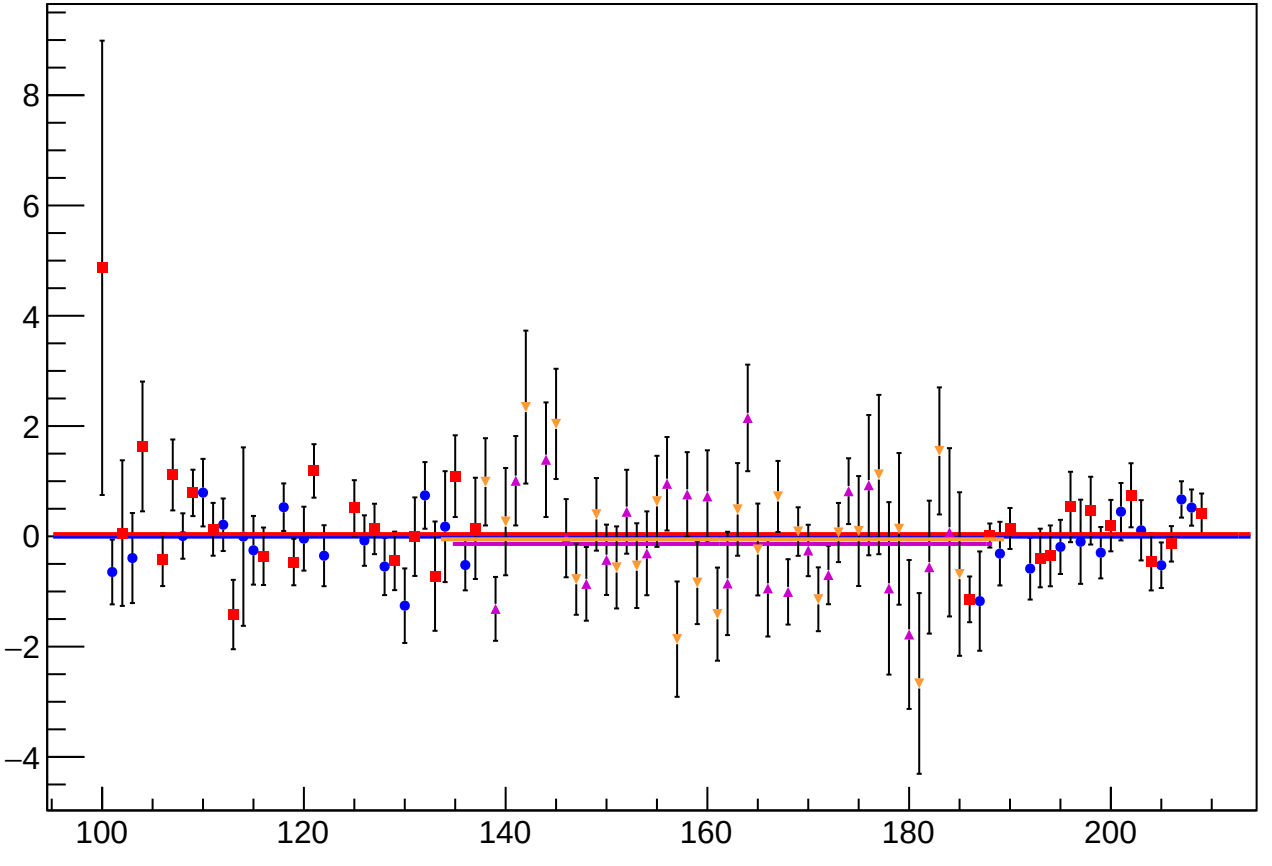
Right: 0.014+/-0.000 χ^2/NDF: 21500666.5/56

In: 0.014+/-0.000 χ^2/NDF:17590923.8/49

Out: 0.013+/-0.000 χ^2/NDF:20234746.0/53

All: 0.014+/-0.000 χ^2/NDF: 37924397.3/103

asym_us_avg_at2lr_avg_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.005+/-0.100 χ^2/NDF: 25.5/26

Left Out: -0.053+/-0.161 χ^2/NDF:30.1/23

Right Out: 0.040+/-0.089 χ^2/NDF: 41.8/29

Left In: -0.138+/-0.158 χ^2/NDF:30.0/22

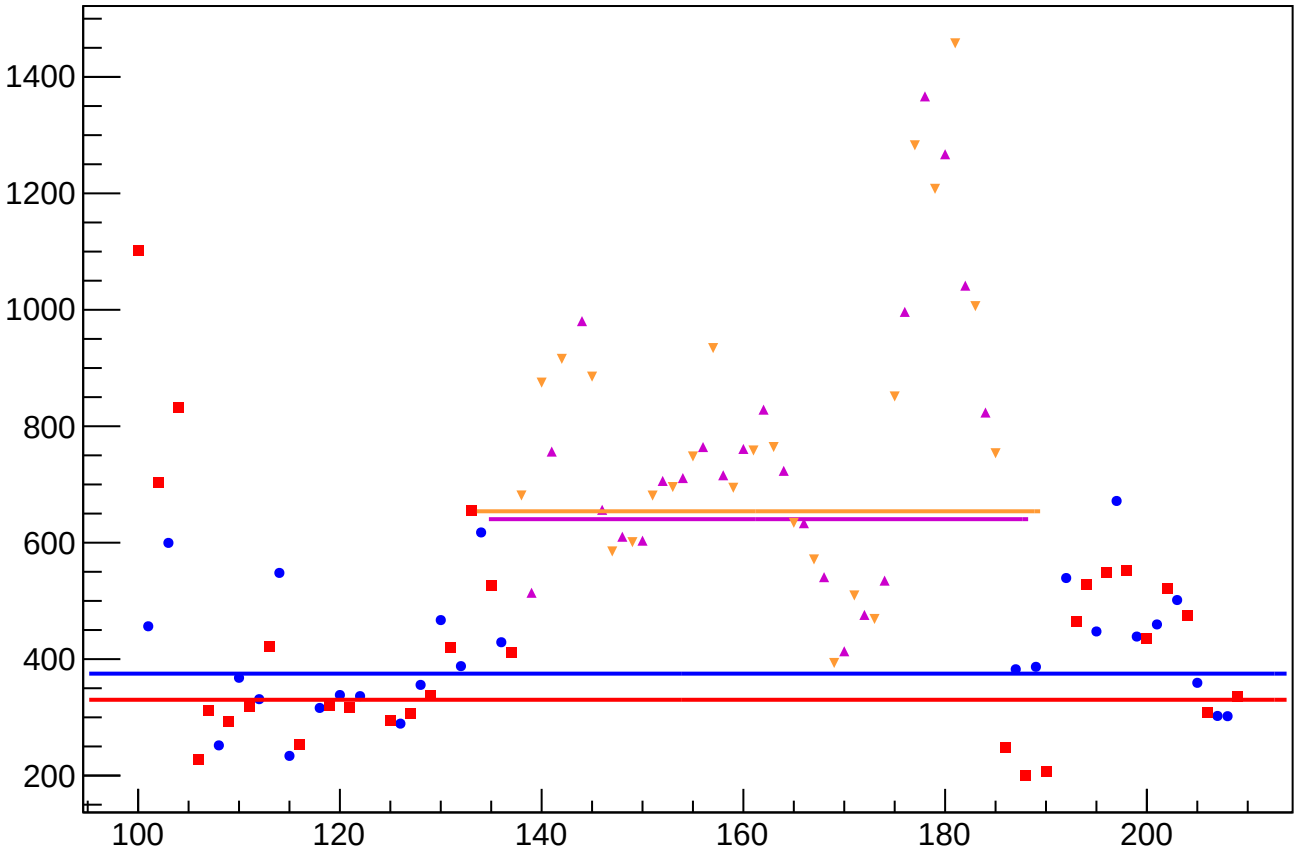
Left: -0.096+/-0.113 χ^2/NDF: 60.2/46

Right: 0.020+/-0.066 χ^2/NDF: 67.4/56

In: -0.043+/-0.084 χ^2/NDF:56.0/49

Out: 0.019+/-0.078 χ^2/NDF:72.2/53

All: -0.010+/-0.057 χ^2/NDF: 128.5/103



Right In: 375.070+/-0.071 χ^2/NDF: 1735945.6/26

Left Out: 653.930+/-0.114 χ^2/NDF:3124692.9/23

Right Out: 330.180+/-0.063 χ^2/NDF: 3591265.7/29

Left In: 640.395+/-0.112 χ^2/NDF:2648118.2/22

Left: 647.016+/-0.080 χ^2/NDF: 5780002.9/46

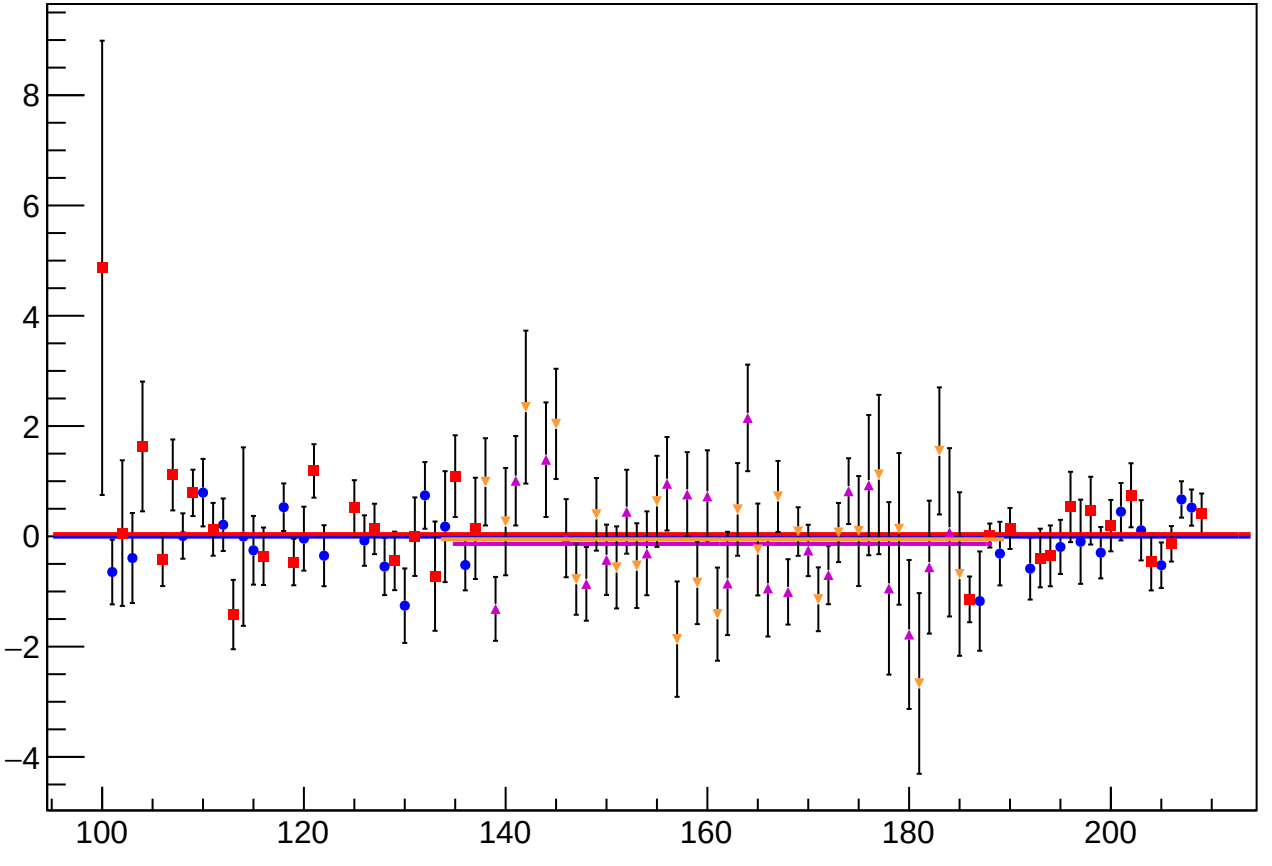
Right: 350.008+/-0.047 χ^2/NDF: 5553088.0/56

In: 450.837+/-0.060 χ^2/NDF:8420253.9/49

Out: 405.430+/-0.055 χ^2/NDF:12898287.8/53

All: 426.293+/-0.040 χ^2/NDF: 21631744.0/10

asym_us_avg_at2lr_avg_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.005+/-0.100 χ^2/NDF: 25.5/26

Left Out: -0.053+/-0.161 χ^2/NDF:30.1/23

Right Out: 0.040+/-0.089 χ^2/NDF: 41.8/29

Left In: -0.138+/-0.158 χ^2/NDF:30.0/22

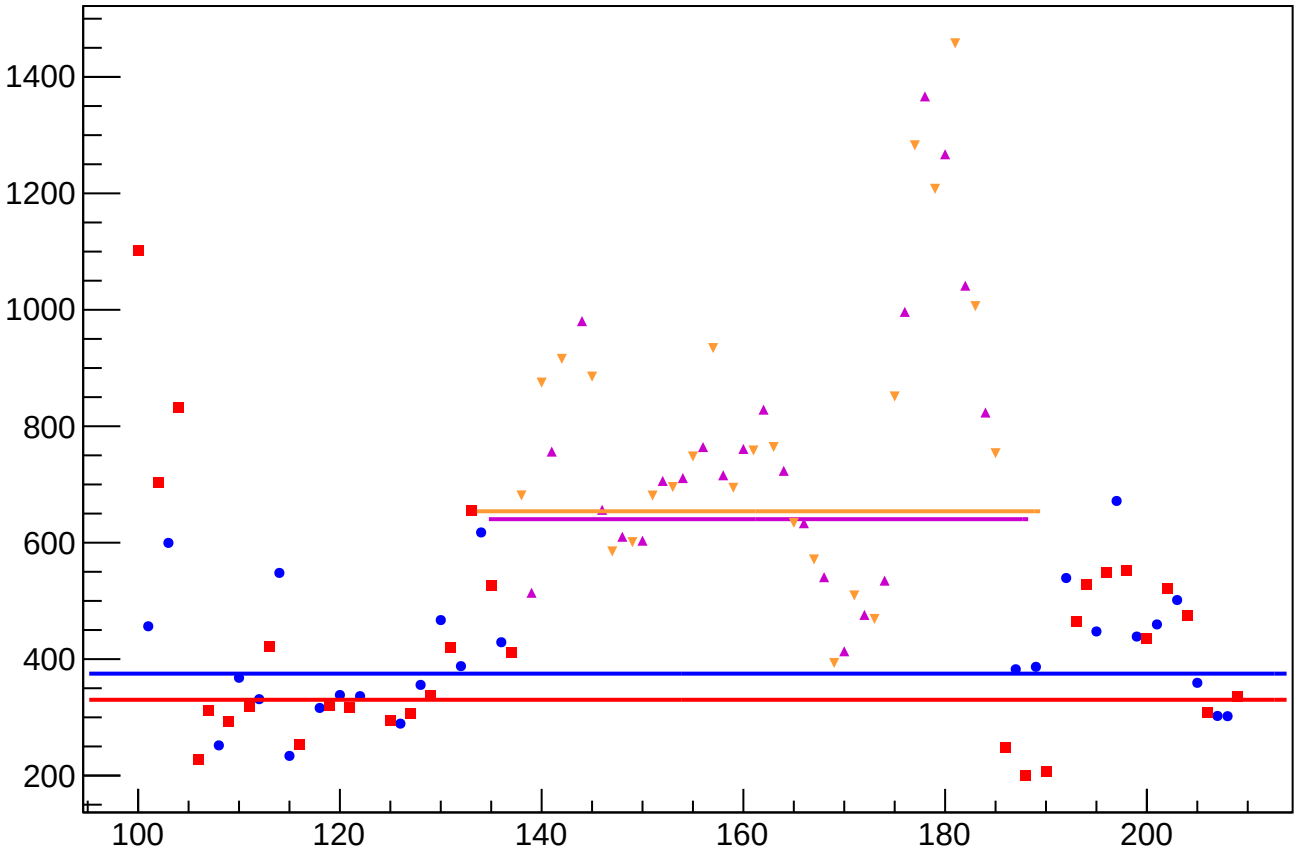
Left: -0.096+/-0.113 χ^2/NDF: 60.2/46

Right: 0.020+/-0.066 χ^2/NDF: 67.4/56

In: -0.043+/-0.084 χ^2/NDF:56.0/49

Out: 0.019+/-0.078 χ^2/NDF:72.2/53

All: -0.010+/-0.057 χ^2/NDF: 128.5/103



Right In: 375.070+/-0.071 χ^2/NDF: 1735945.6/26

Left Out: 653.930+/-0.114 χ^2/NDF:3124692.9/23

Right Out: 330.180+/-0.063 χ^2/NDF: 3591265.7/29

Left In: 640.395+/-0.112 χ^2/NDF:2648118.2/22

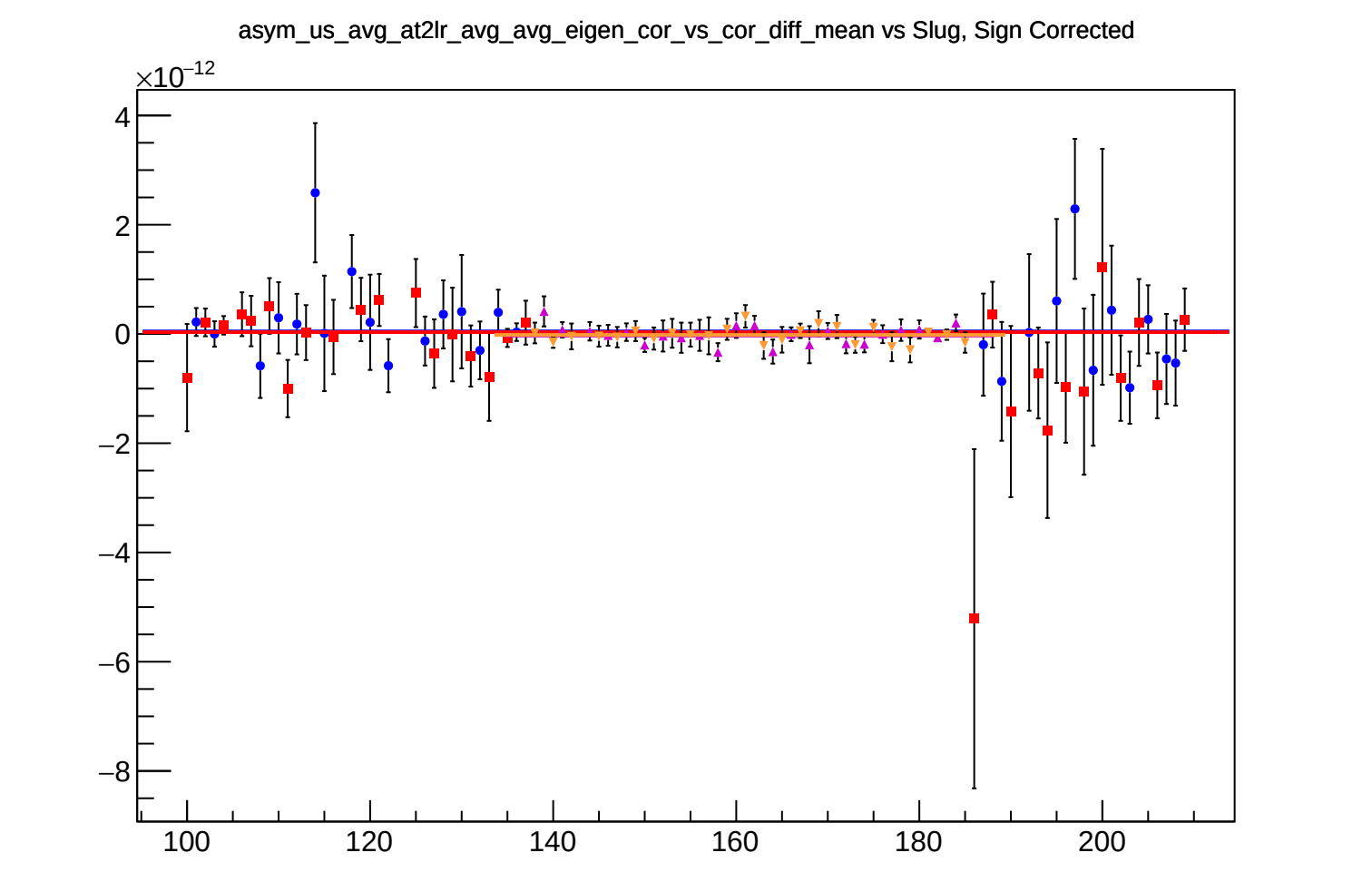
Left: 647.016+/-0.080 χ^2/NDF: 5780002.9/46

Right: 350.008+/-0.047 χ^2/NDF: 5553088.0/56

In: 450.837+/-0.060 χ^2/NDF:8420253.9/49

Out: 405.430+/-0.055 χ^2/NDF:12898287.8/53

All: 426.293+/-0.040 χ^2/NDF: 21631744.0/10



Right In: 0.000+/-0.000 χ^2/NDF: 19.7/26

Left Out: -0.000+/-0.000 χ^2/NDF:13.1/23

Right Out: 0.000+/-0.000 χ^2/NDF: 25.2/29

Left In: -0.000+/-0.000 χ^2/NDF:17.9/22

Left: -0.000+/-0.000 χ^2/NDF: 31.0/46

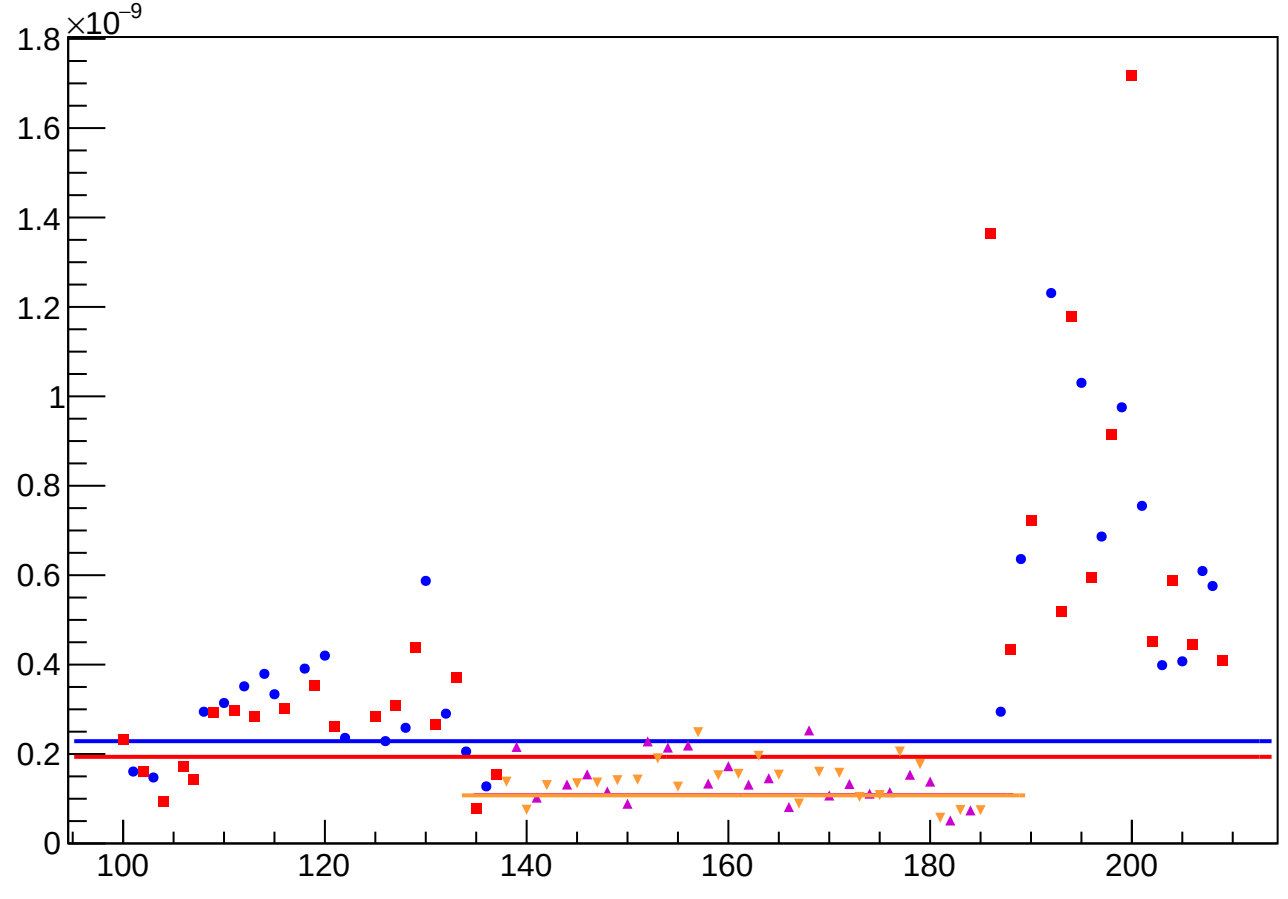
Right: 0.000+/-0.000 χ^2/NDF: 44.9/56

In: -0.000+/-0.000 χ^2/NDF:38.2/49

Out: -0.000+/-0.000 χ^2/NDF:38.6/53

All: -0.000+/-0.000 χ^2/NDF: 76.8/103

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: 6056274.7/26

Left Out: 0.000+/-0.000 χ^2/NDF:3452023.2/23

Right Out: 0.000+/-0.000 χ^2/NDF: 7583307.8/29

Left In: 0.000+/-0.000 χ^2/NDF:3869719.7/22

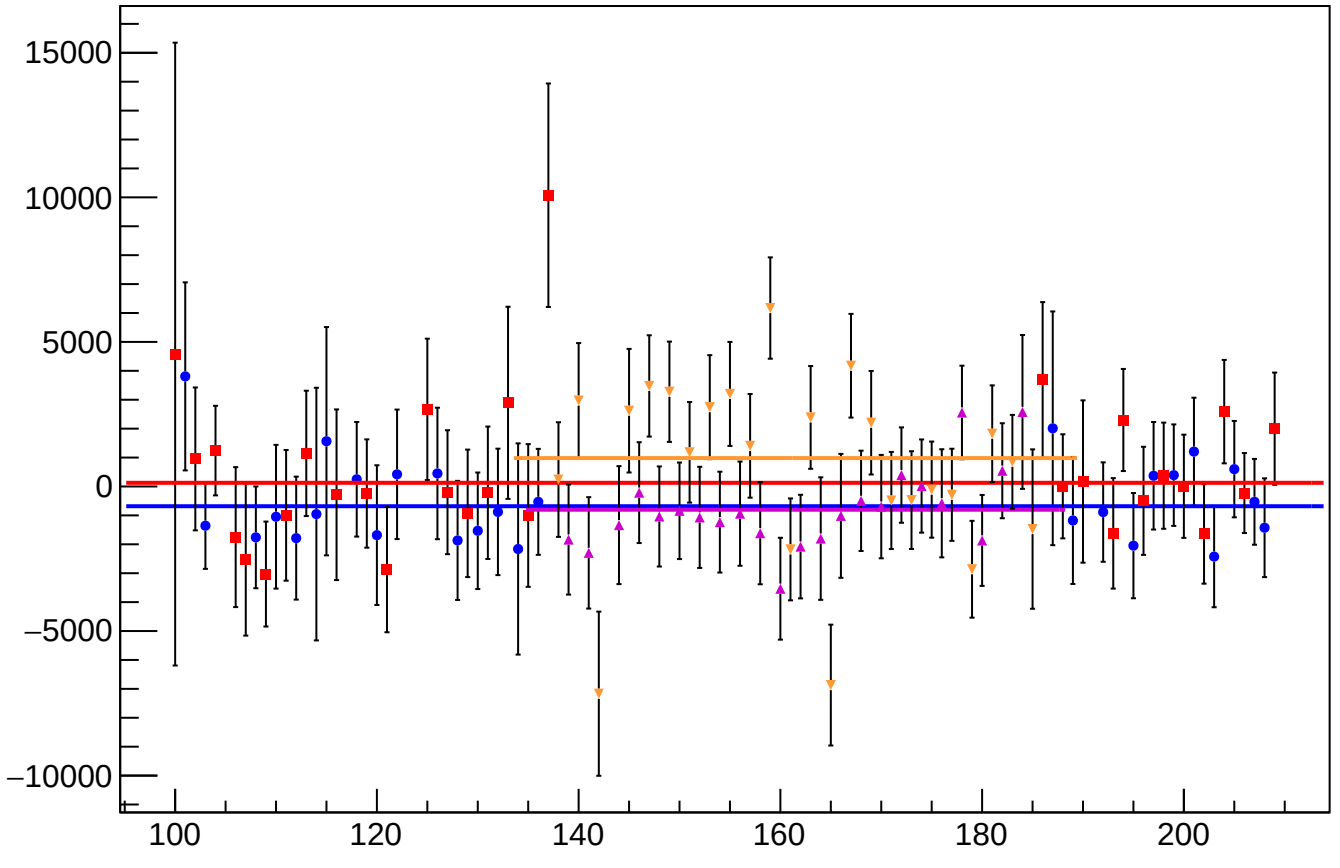
Left: 0.000+/-0.000 χ^2/NDF: 7322414.2/46

Right: 0.000+/-0.000 χ^2/NDF: 13804778.2/56

In: 0.000+/-0.000 χ^2/NDF:13003632.8/49

Out: 0.000+/-0.000 χ^2/NDF:12975792.2/53

All: 0.000+/-0.000 χ^2/NDF: 25986399.9/103



Right In: -683.239+/-391.005 χ^2/NDF: 9.2/26

Left Out: 981.627+/-370.843 χ^2/NDF:55.5/23

Right Out: 127.345+/-382.475 χ^2/NDF: 25.0/29

Left In: -803.908+/-374.066 χ^2/NDF:12.4/22

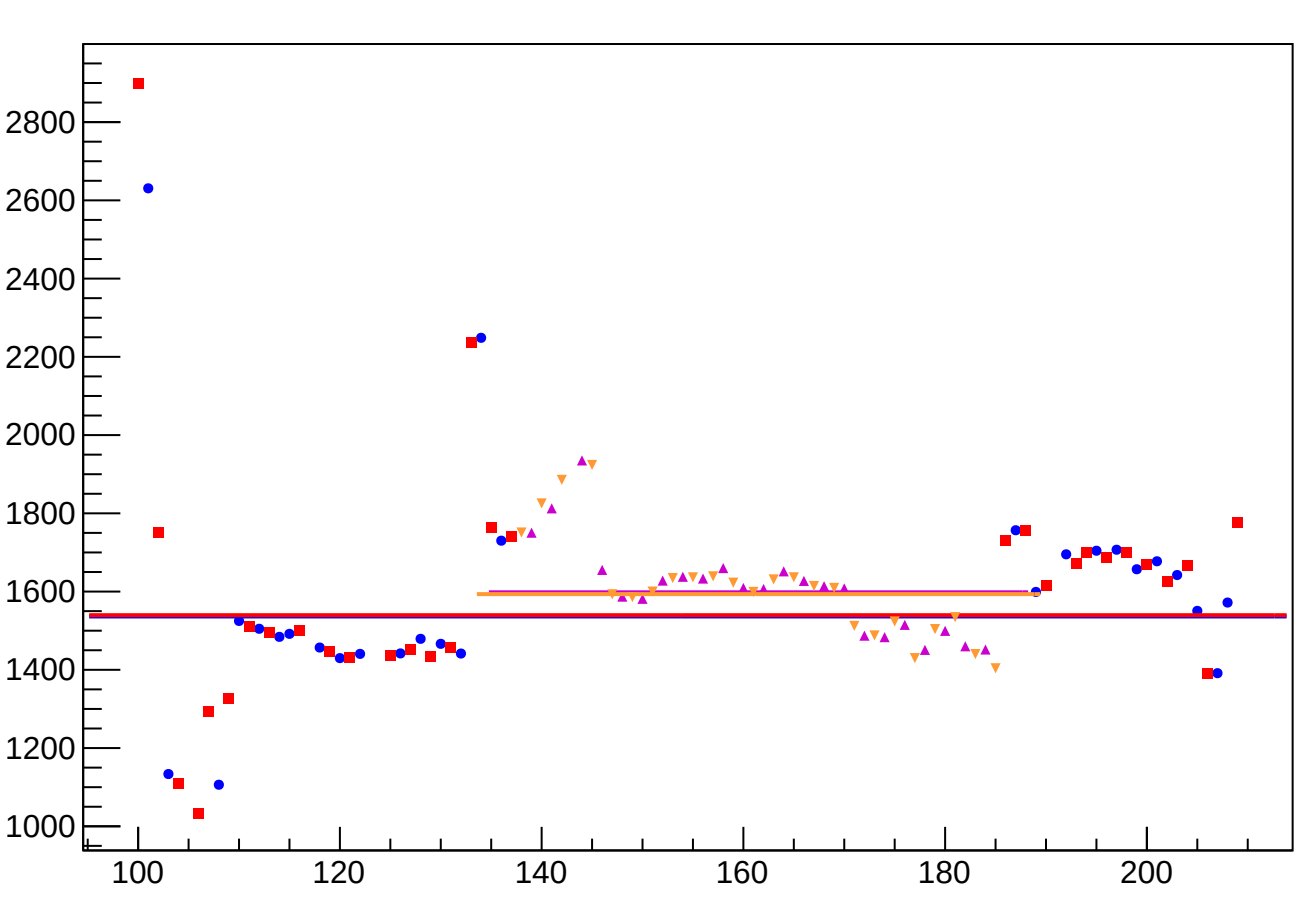
Left: 96.584+/-263.358 χ^2/NDF: 79.5/46

Right: -269.008+/-273.417 χ^2/NDF: 36.4/56

In: -746.244+/-270.295 χ^2/NDF:21.7/49

Out: 567.673+/-266.243 χ^2/NDF:83.1/53

All: -79.364+/-189.678 χ^2/NDF: 116.8/103



Right In: 1536.379+/-0.276 χ^2/NDF: 719794.9/26

Left Out: 1593.482+/-0.262 χ^2/NDF:187613.7/23

Right Out: 1539.641+/-0.269 χ^2/NDF: 667180.8/29

Left In: 1598.119+/-0.265 χ^2/NDF:169157.7/22

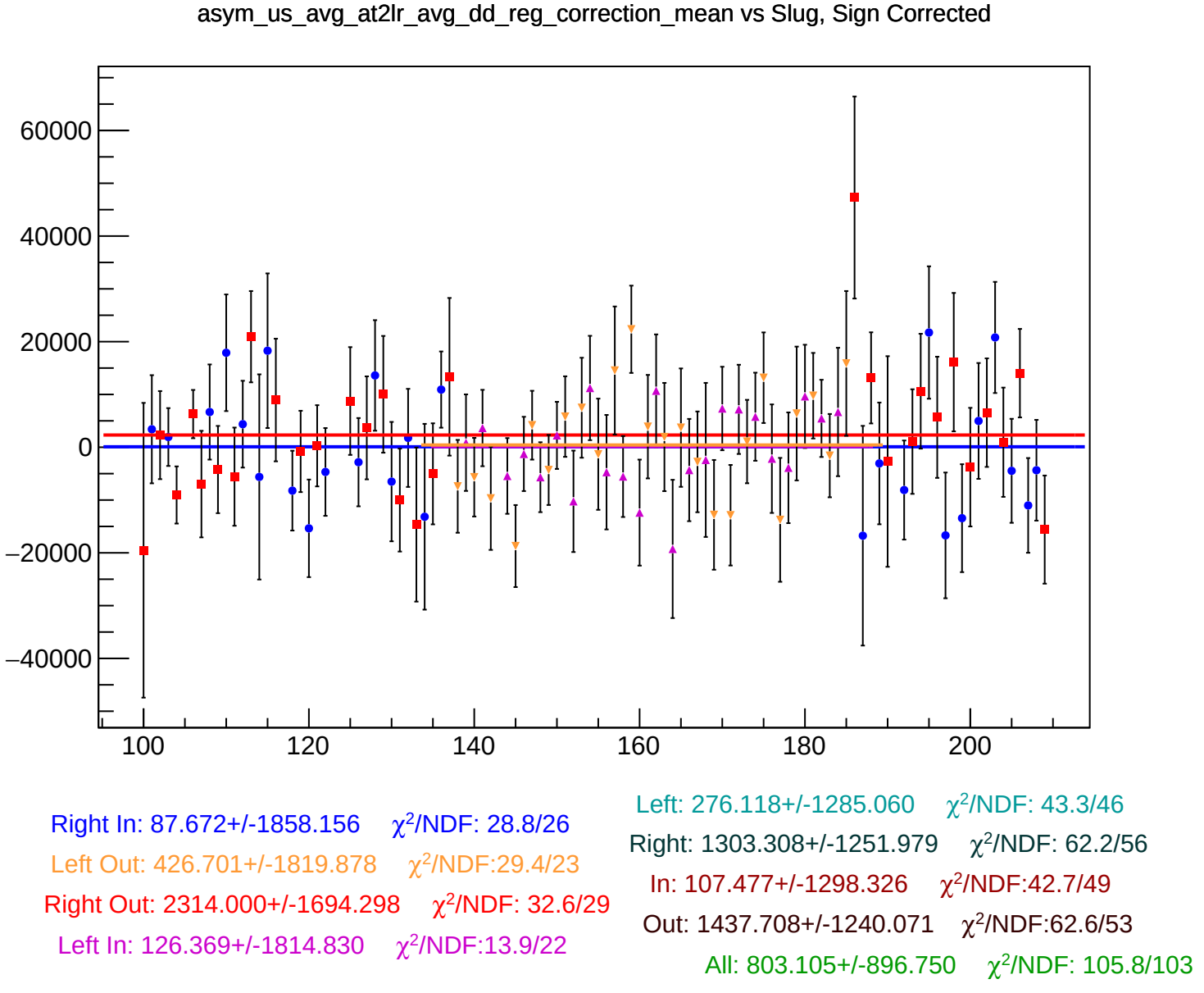
Left: 1595.780+/-0.186 χ^2/NDF: 356926.4/46

Right: 1538.052+/-0.193 χ^2/NDF: 1387047.0/56

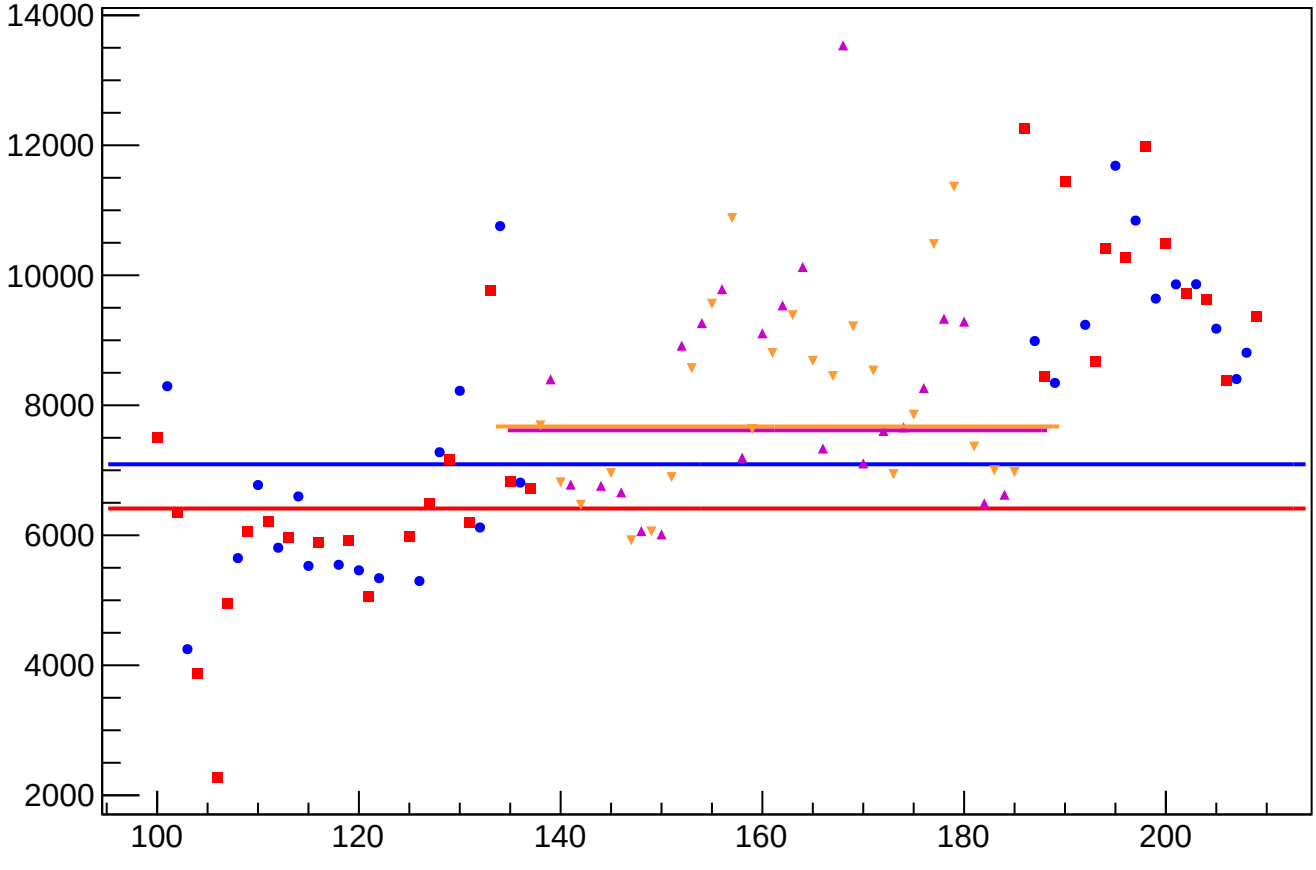
In: 1568.615+/-0.191 χ^2/NDF:914988.3/49

Out: 1567.295+/-0.188 χ^2/NDF:875298.8/53

All: 1567.944+/-0.134 χ^2/NDF: 1790311.4/10


asym_us_avg_at2lr_avg_dd_reg_correction_mean vs Slug, Sign Corrected
60000
40000
20000
0
−20000
−40000
100
120
140
160
180
200
Right In: 87.672+/-1858.156 χ²/NDF: 28.8/26
Left Out: 426.701+/-1819.878 χ²/NDF:29.4/23
Right Out: 2314.000+/-1694.298 χ²/NDF: 32.6/29
Left In: 126.369+/-1814.830 χ²/NDF:13.9/22
Left: 276.118+/-1285.060 χ²/NDF: 43.3/46
Right: 1303.308+/-1251.979 χ²/NDF: 62.2/56
In: 107.477+/-1298.326 χ²/NDF:42.7/49
Out: 1437.708+/-1240.071 χ²/NDF:62.6/53
All: 803.105+/-896.750 χ²/NDF: 105.8/103

asym_us_avg_at2lr_avg_dd_reg_correction_rms vs Slug, Sign Corrected



Right In: 7092.424+/-1.314 χ^2/NDF: 2350735.1/26

Left Out: 7674.060+/-1.287 χ^2/NDF:1076713.7/23

Right Out: 6411.952+/-1.198 χ^2/NDF: 4660457.9/29

Left In: 7614.974+/-1.283 χ^2/NDF:1224520.2/22

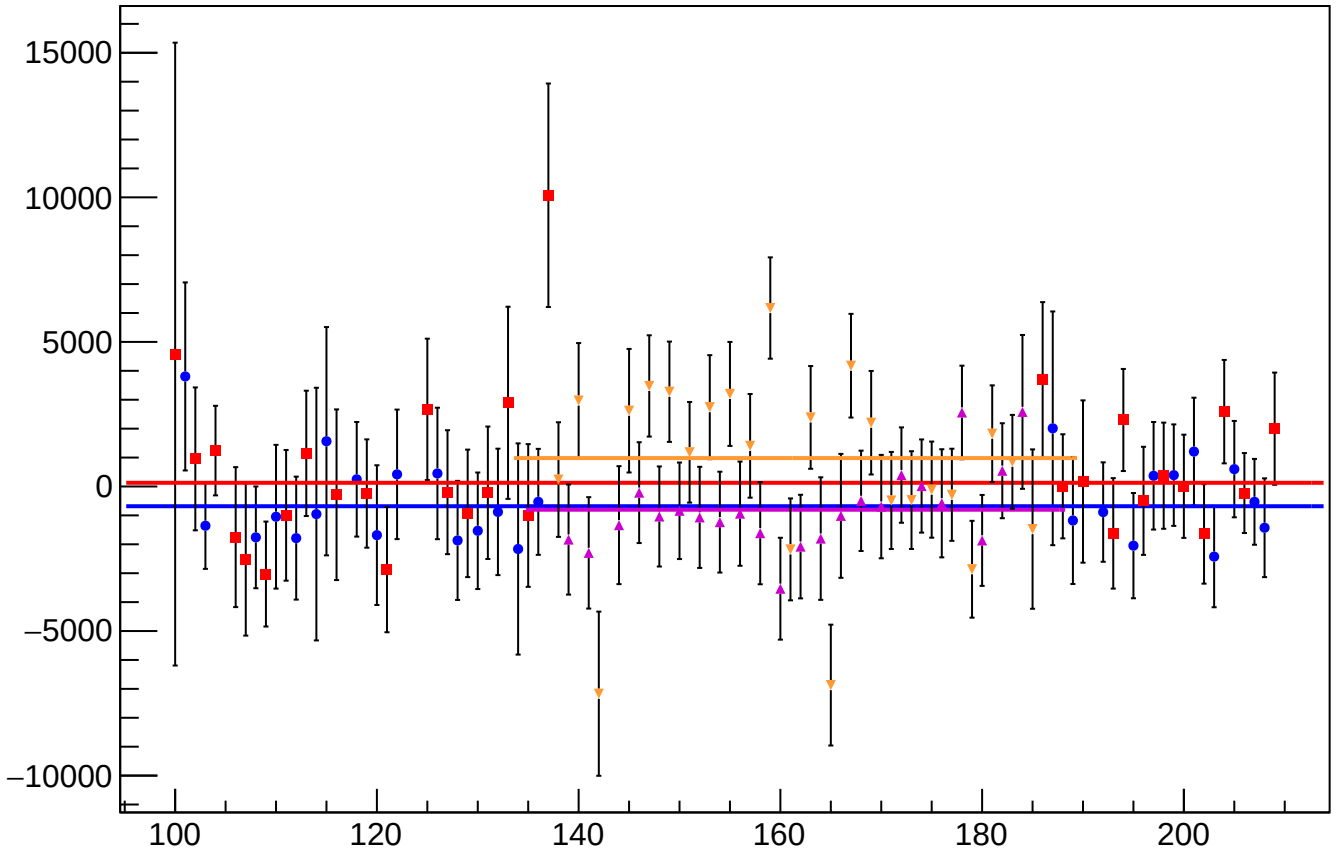
Left: 7644.435+/-0.909 χ^2/NDF: 2302291.0/46

Right: 6720.867+/-0.885 χ^2/NDF: 7157646.7/56

In: 7359.862+/-0.918 χ^2/NDF:3656205.2/49

Out: 6997.961+/-0.877 χ^2/NDF:6252461.9/53

All: 7170.611+/-0.634 χ^2/NDF: 9989929.7/10



Right In: -683.307+/-391.005 χ^2/NDF: 9.2/26

Left Out: 981.712+/-370.843 χ^2/NDF:55.6/23

Right Out: 127.392+/-382.475 χ^2/NDF: 25.0/29

Left In: -803.783+/-374.066 χ^2/NDF:12.4/22

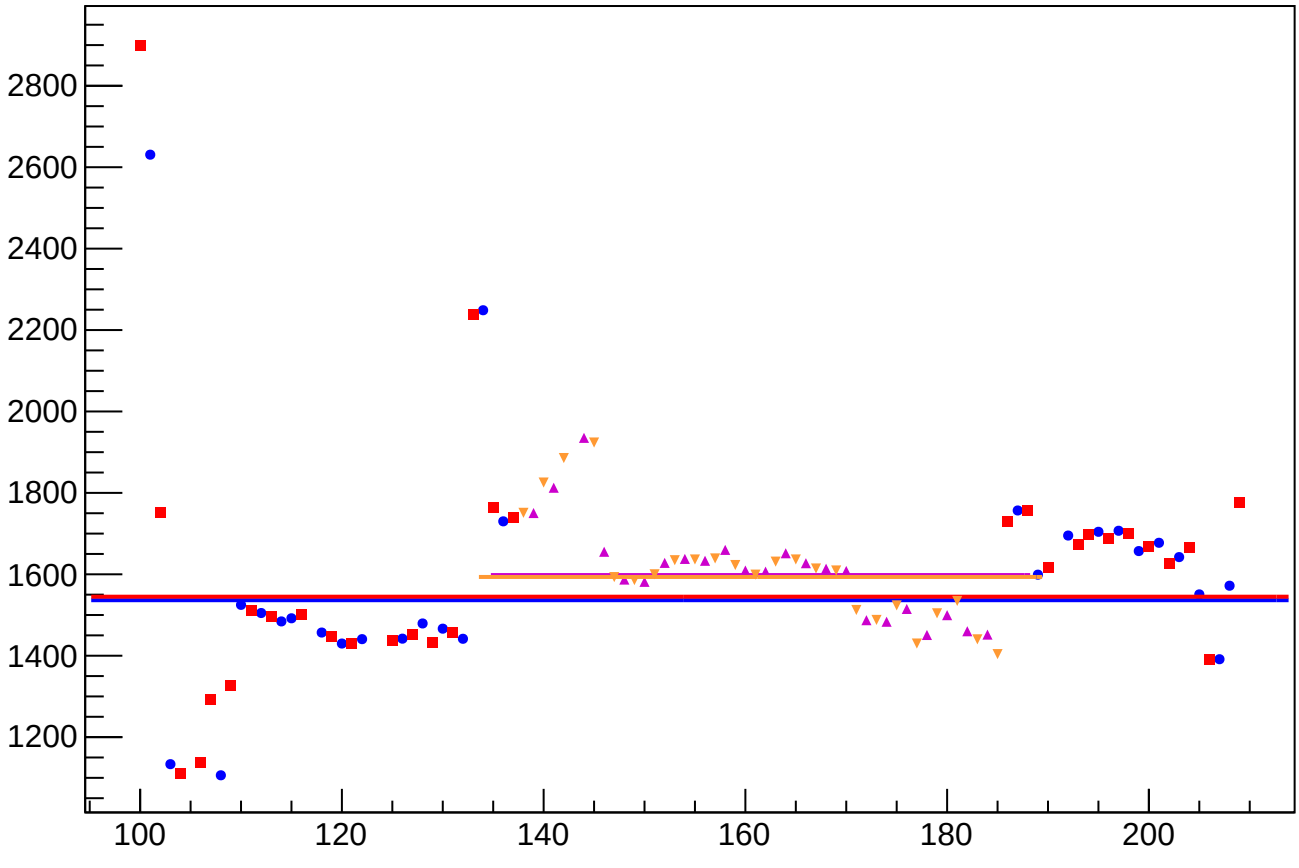
Left: 96.688+/-263.358 χ^2/NDF: 79.5/46

Right: -269.018+/-273.417 χ^2/NDF: 36.4/56

In: -746.211+/-270.295 χ^2/NDF:21.7/49

Out: 567.740+/-266.243 χ^2/NDF:83.1/53

All: -79.314+/-189.678 χ^2/NDF: 116.8/103



Right In: 1536.379+/-0.276 χ^2/NDF: 719795.3/26

Left Out: 1593.482+/-0.262 χ^2/NDF:187613.7/23

Right Out: 1544.997+/-0.270 χ^2/NDF: 614128.1/29

Left In: 1598.119+/-0.265 χ^2/NDF:169157.7/22

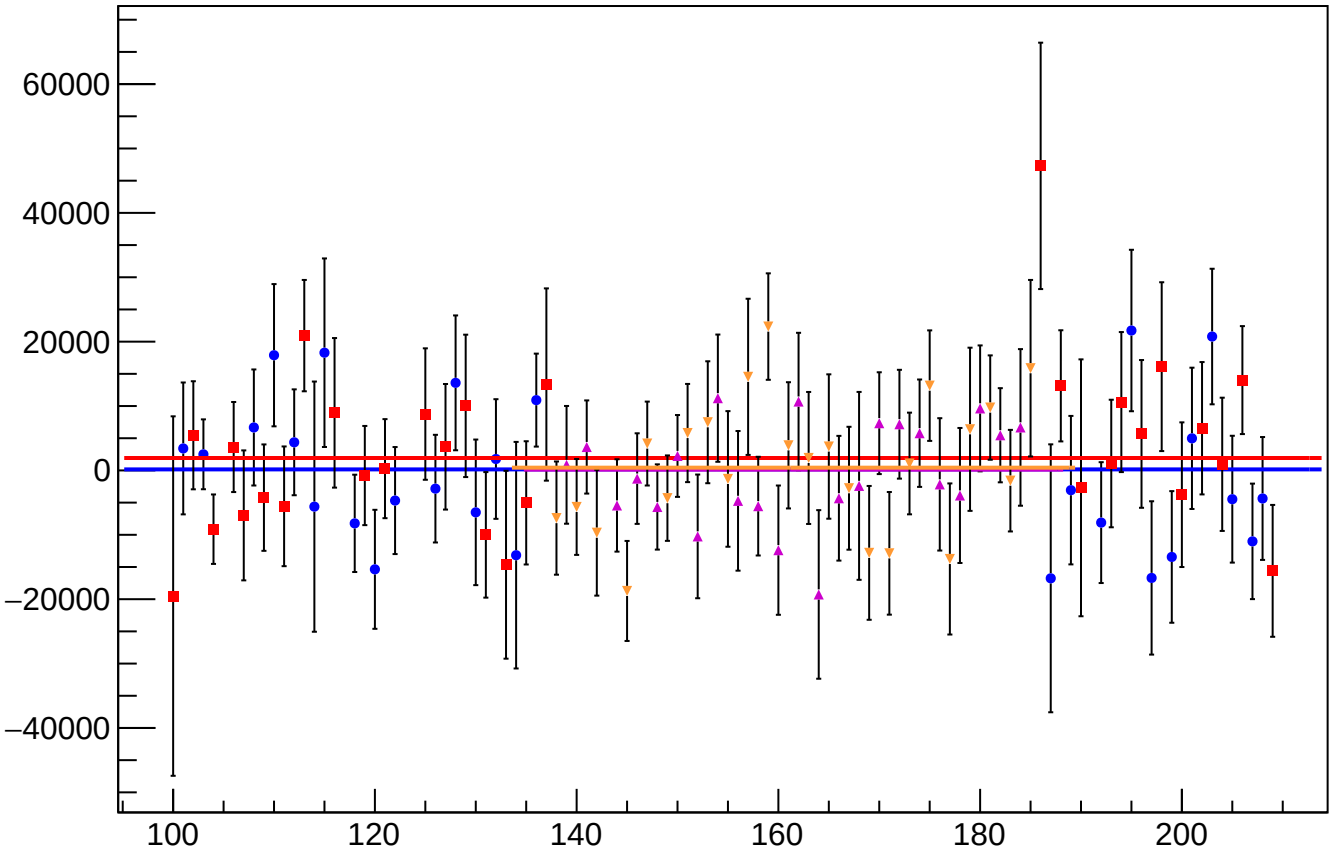
Left: 1595.780+/-0.186 χ^2/NDF: 356926.4/46

Right: 1540.788+/-0.193 χ^2/NDF: 1334420.4/56

In: 1568.615+/-0.191 χ^2/NDF:914988.8/49

Out: 1569.961+/-0.188 χ^2/NDF:818326.4/53

All: 1569.299+/-0.134 χ^2/NDF: 1733340.4/10



Right In: 158.787+/-1856.082 χ^2/NDF: 28.9/26

Left Out: 426.702+/-1819.879 χ^2/NDF:29.4/23

Right Out: 1928.852+/-1764.995 χ^2/NDF: 32.1/29

Left In: 126.376+/-1814.828 χ^2/NDF:13.9/22

Left: 276.121+/-1285.059 χ^2/NDF: 43.3/46

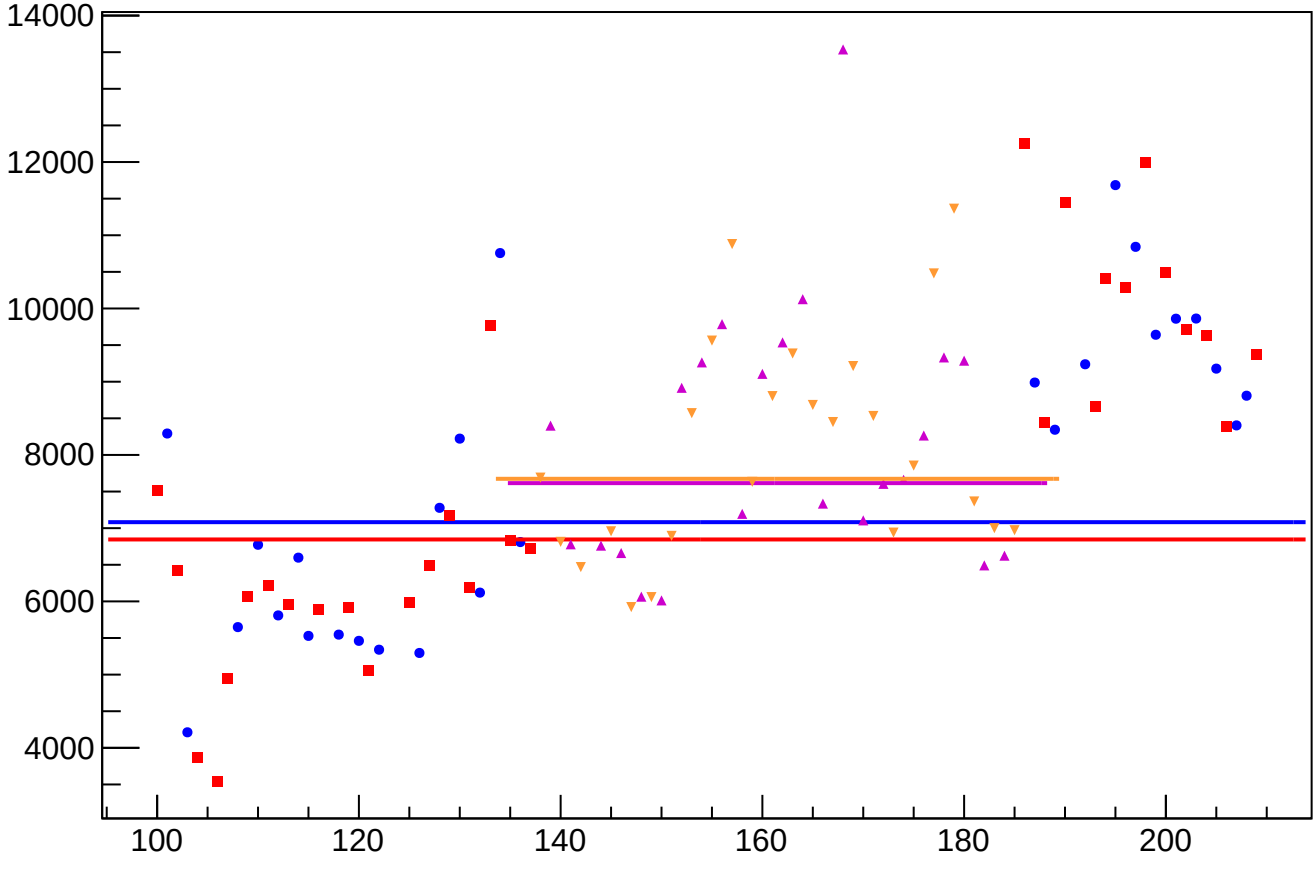
Right: 1088.317+/-1279.030 χ^2/NDF: 61.4/56

In: 142.217+/-1297.617 χ^2/NDF:42.7/49

Out: 1200.769+/-1266.999 χ^2/NDF:61.8/53

All: 684.129+/-906.535 χ^2/NDF: 104.9/103

asym_us_avg_at2lr_avg_dd_cor_correction_rms vs Slug, Sign Corrected



Right In: 7081.889+/-1.312 χ^2/NDF: 2374994.5/26

Left Out: 7674.063+/-1.287 χ^2/NDF:1076712.6/23

Right Out: 6845.736+/-1.248 χ^2/NDF: 3243677.4/29

Left In: 7614.964+/-1.283 χ^2/NDF:1224525.6/22

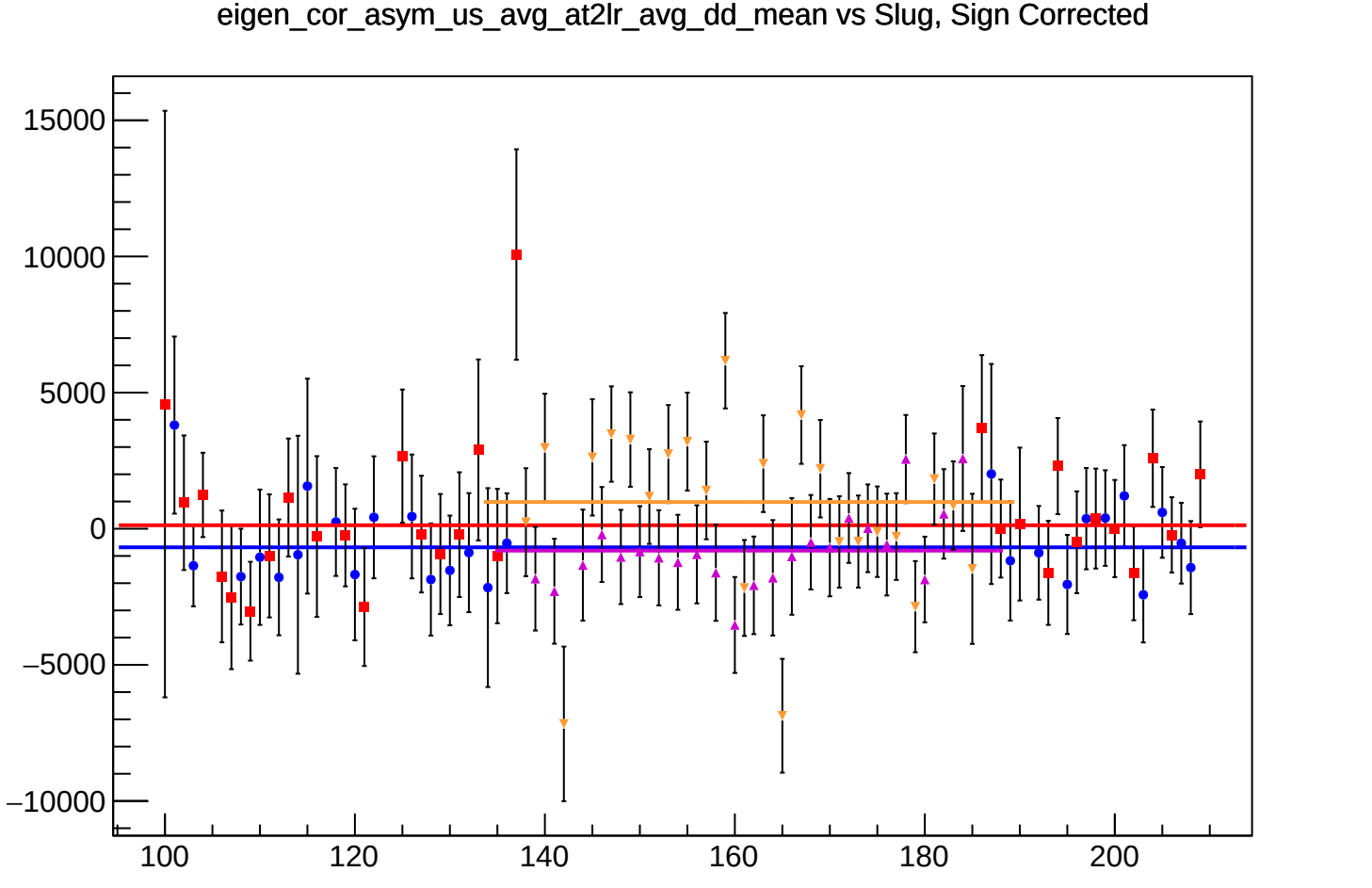
Left: 7644.431+/-0.909 χ^2/NDF: 2302295.7/46

Right: 6957.876+/-0.904 χ^2/NDF: 5635673.9/56

In: 7354.417+/-0.918 χ^2/NDF:3683860.2/49

Out: 7247.221+/-0.896 χ^2/NDF:4533897.6/53

All: 7299.539+/-0.641 χ^2/NDF: 8224745.2/10



Right In: -683.307+/-391.005 χ^2/NDF: 9.2/26

Left Out: 981.712+/-370.843 χ^2/NDF:55.6/23

Right Out: 127.392+/-382.475 χ^2/NDF: 25.0/29

Left In: -803.783+/-374.066 χ^2/NDF:12.4/22

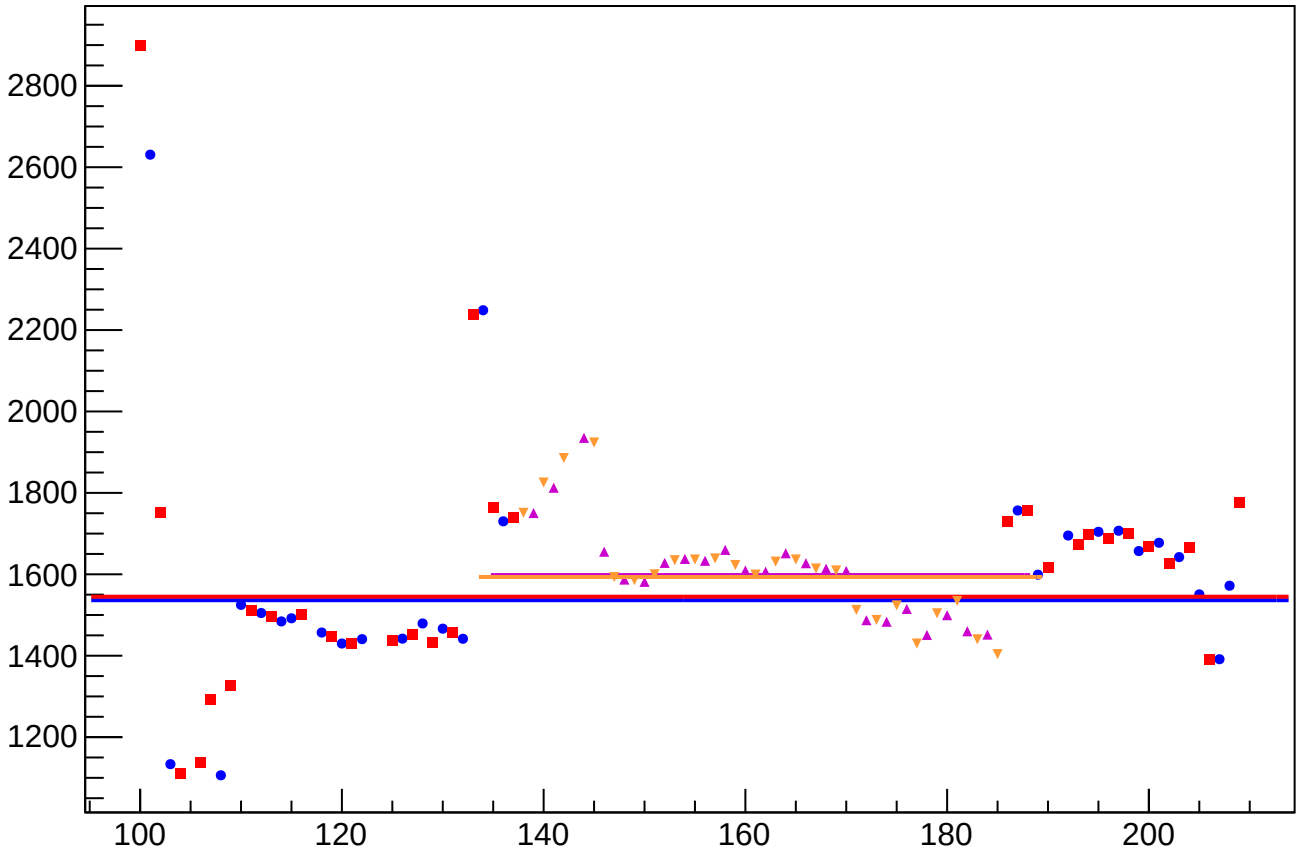
Left: 96.688+/-263.358 χ^2/NDF: 79.5/46

Right: -269.018+/-273.417 χ^2/NDF: 36.4/56

In: -746.211+/-270.295 χ^2/NDF:21.7/49

Out: 567.740+/-266.243 χ^2/NDF:83.1/53

All: -79.314+/-189.678 χ^2/NDF: 116.8/103



Right In: 1536.379+/-0.276 χ^2/NDF: 719795.3/26

Left Out: 1593.482+/-0.262 χ^2/NDF:187613.7/23

Right Out: 1544.997+/-0.270 χ^2/NDF: 614128.1/29

Left In: 1598.119+/-0.265 χ^2/NDF:169157.7/22

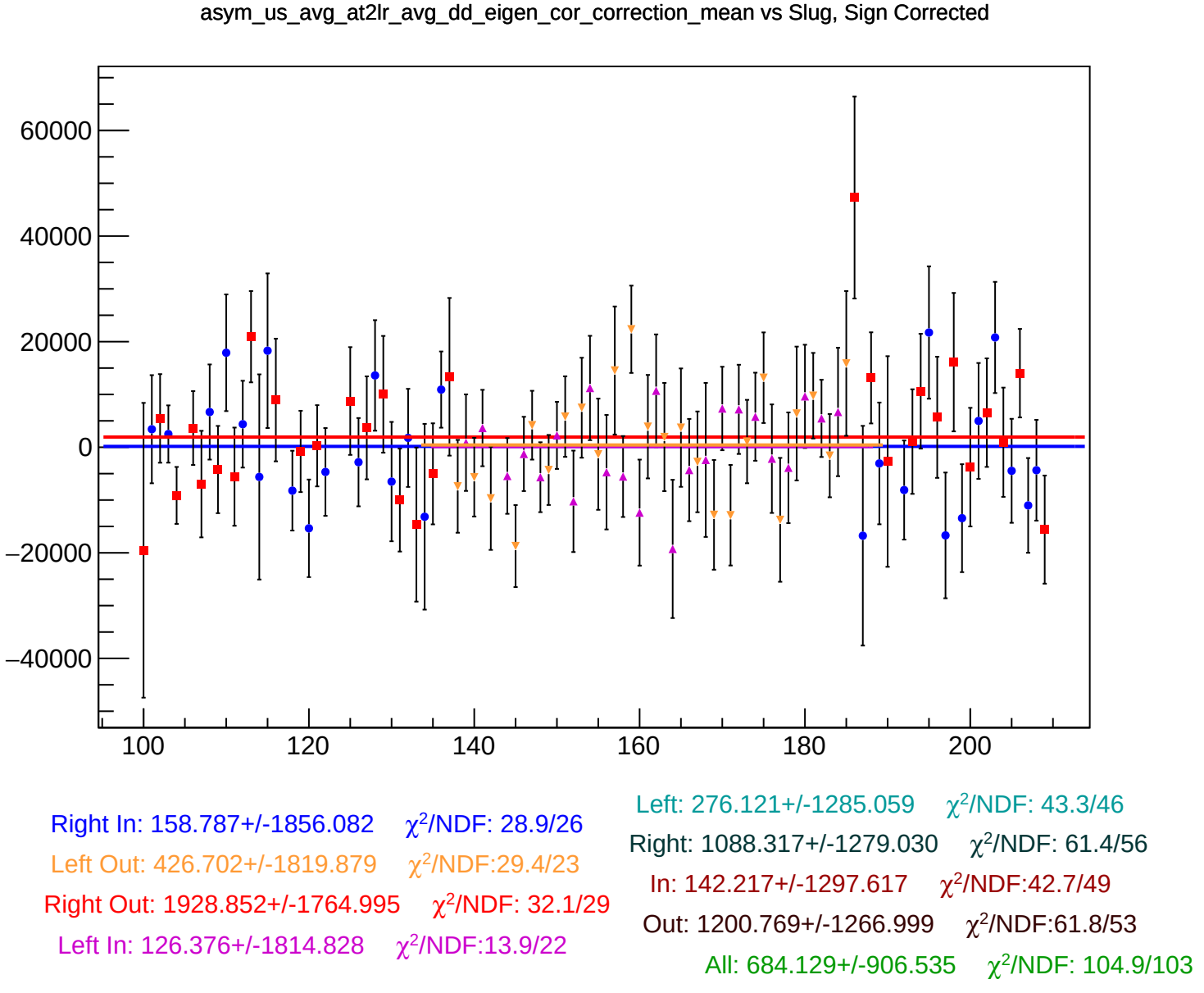
Left: 1595.780+/-0.186 χ^2/NDF: 356926.4/46

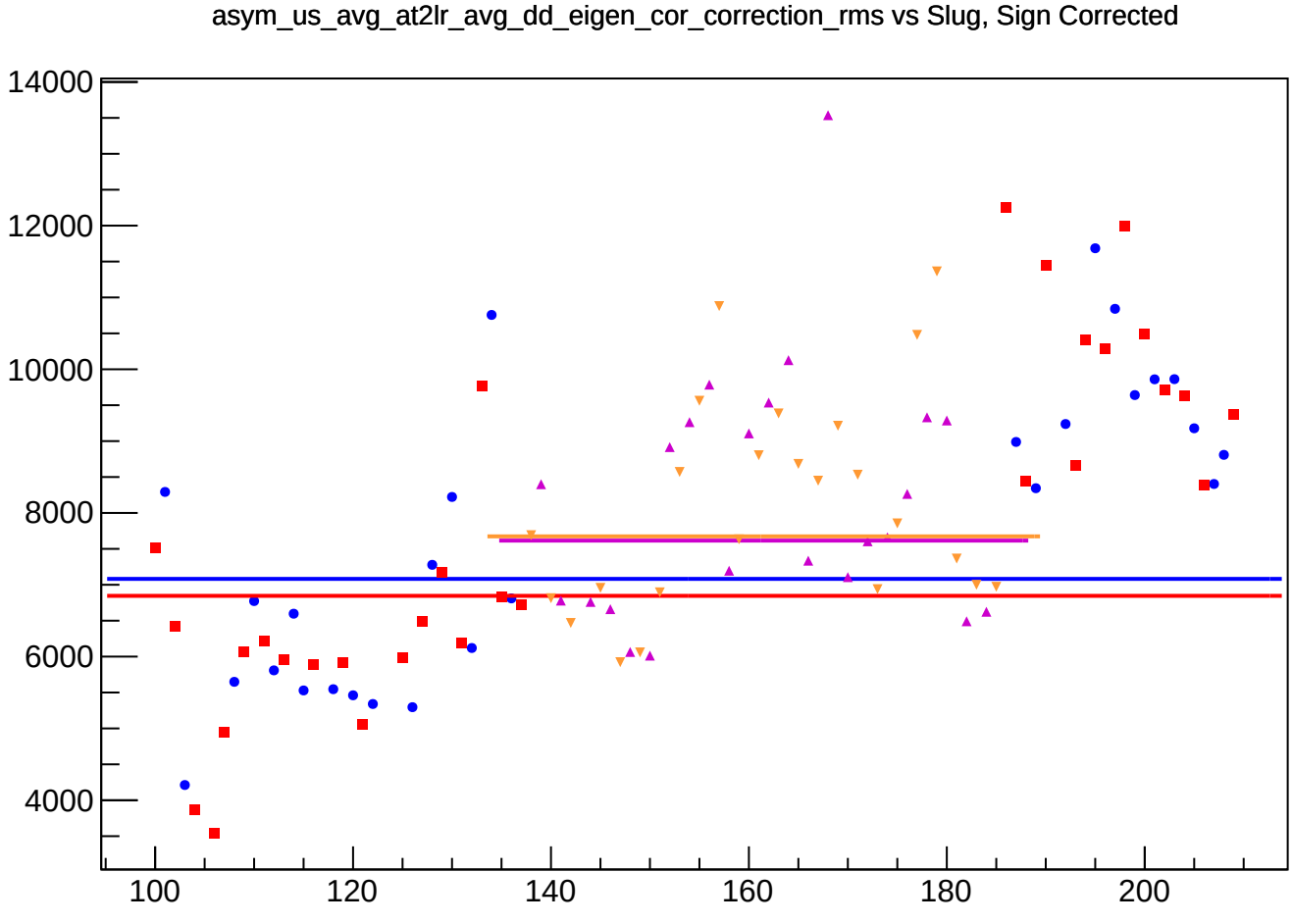
Right: 1540.788+/-0.193 χ^2/NDF: 1334420.4/56

In: 1568.615+/-0.191 χ^2/NDF:914988.8/49

Out: 1569.961+/-0.188 χ^2/NDF:818326.4/53

All: 1569.299+/-0.134 χ^2/NDF: 1733340.4/10


asym_us_avg_at2lr_avg_dd_eigen_cor_correction_mean vs Slug, Sign Corrected
60000
40000
20000
0
−20000
−40000
100
120
140
160
180
200
Right In: 158.787+/-1856.082 χ²/NDF: 28.9/26
Left Out: 426.702+/-1819.879 χ²/NDF:29.4/23
Right Out: 1928.852+/-1764.995 χ²/NDF: 32.1/29
Left In: 126.376+/-1814.828 χ²/NDF:13.9/22
Left: 276.121+/-1285.059 χ²/NDF: 43.3/46
Right: 1088.317+/-1279.030 χ²/NDF: 61.4/56
In: 142.217+/-1297.617 χ²/NDF:42.7/49
Out: 1200.769+/-1266.999 χ²/NDF:61.8/53
All: 684.129+/-906.535 χ²/NDF: 104.9/103



Right In: 7081.889+/-1.312 χ^2/NDF: 2374994.5/26

Left Out: 7674.063+/-1.287 χ^2/NDF:1076712.6/23

Right Out: 6845.736+/-1.248 χ^2/NDF: 3243677.4/29

Left In: 7614.964+/-1.283 χ^2/NDF:1224525.6/22

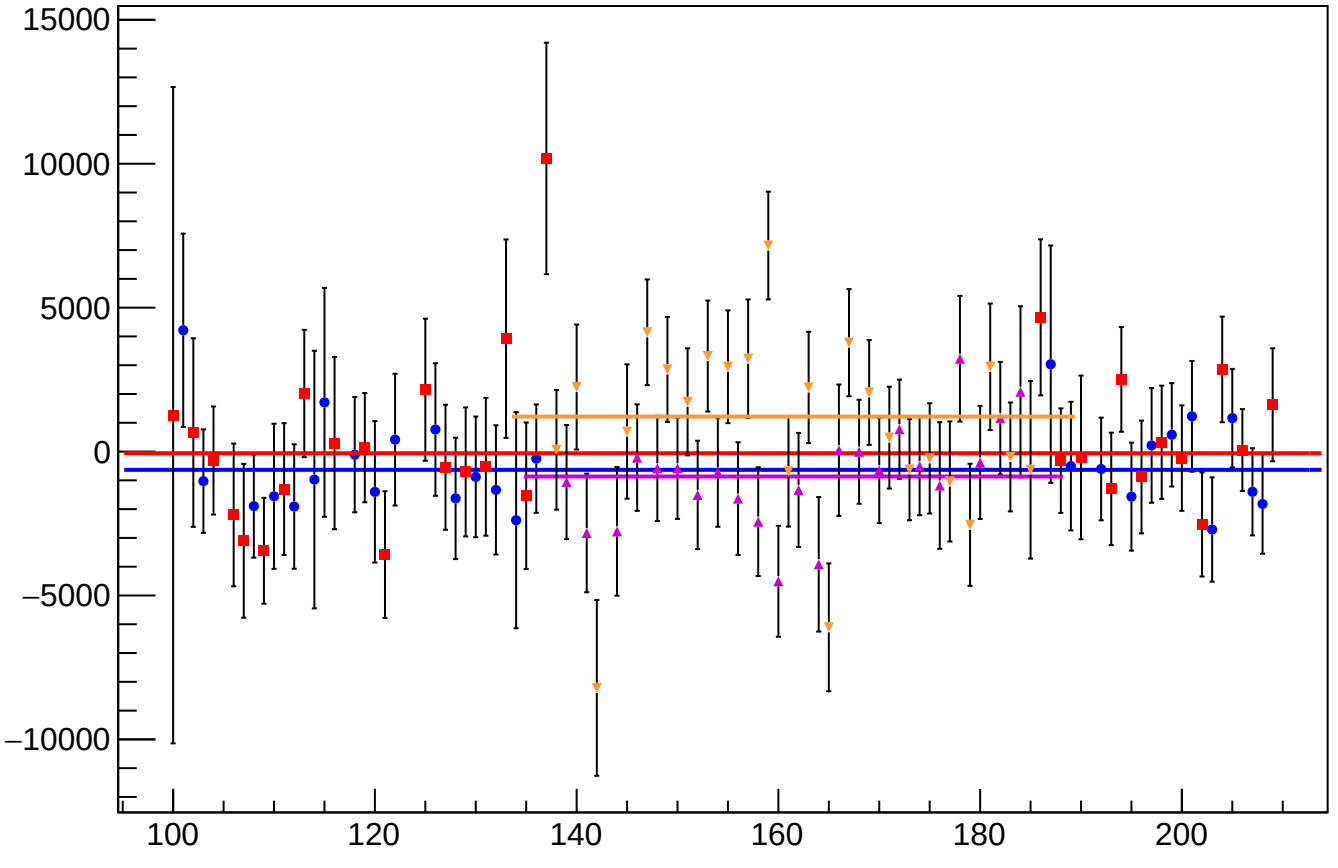
Left: 7644.431+/-0.909 χ^2/NDF: 2302295.7/46

Right: 6957.876+/-0.904 χ^2/NDF: 5635673.9/56

In: 7354.417+/-0.918 χ^2/NDF:3683860.2/49

Out: 7247.221+/-0.896 χ^2/NDF:4533897.6/53

All: 7299.539+/-0.641 χ^2/NDF: 8224745.2/10



Right In: -634.462+/-404.931 χ^2/NDF: 10.5/26

Left Out: 1215.353+/-409.584 χ^2/NDF:48.5/23

Right Out: -57.961+/-397.624 χ^2/NDF: 29.2/29

Left In: -866.022+/-410.038 χ^2/NDF:15.1/22

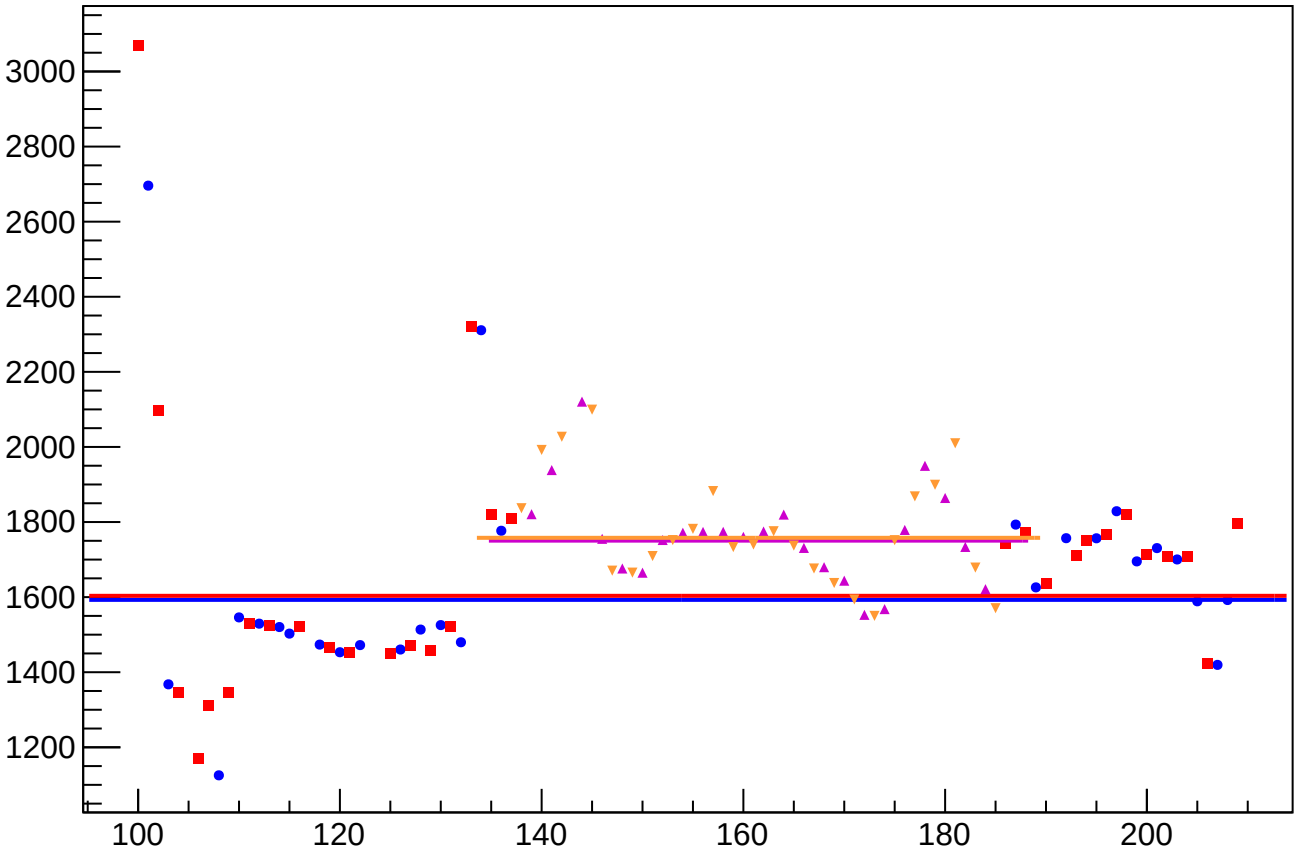
Left: 175.818+/-289.780 χ^2/NDF: 76.5/46

Right: -340.963+/-283.711 χ^2/NDF: 40.8/56

In: -748.791+/-288.118 χ^2/NDF:25.8/49

Out: 559.833+/-285.297 χ^2/NDF:82.6/53

All: -88.041+/-202.726 χ^2/NDF: 118.9/103



Right In: 1592.694+/-0.286 χ^2/NDF: 630823.5/26

Left Out: 1757.965+/-0.290 χ^2/NDF:213284.1/23

Right Out: 1603.479+/-0.281 χ^2/NDF: 551213.9/29

Left In: 1750.477+/-0.290 χ^2/NDF:171889.4/22

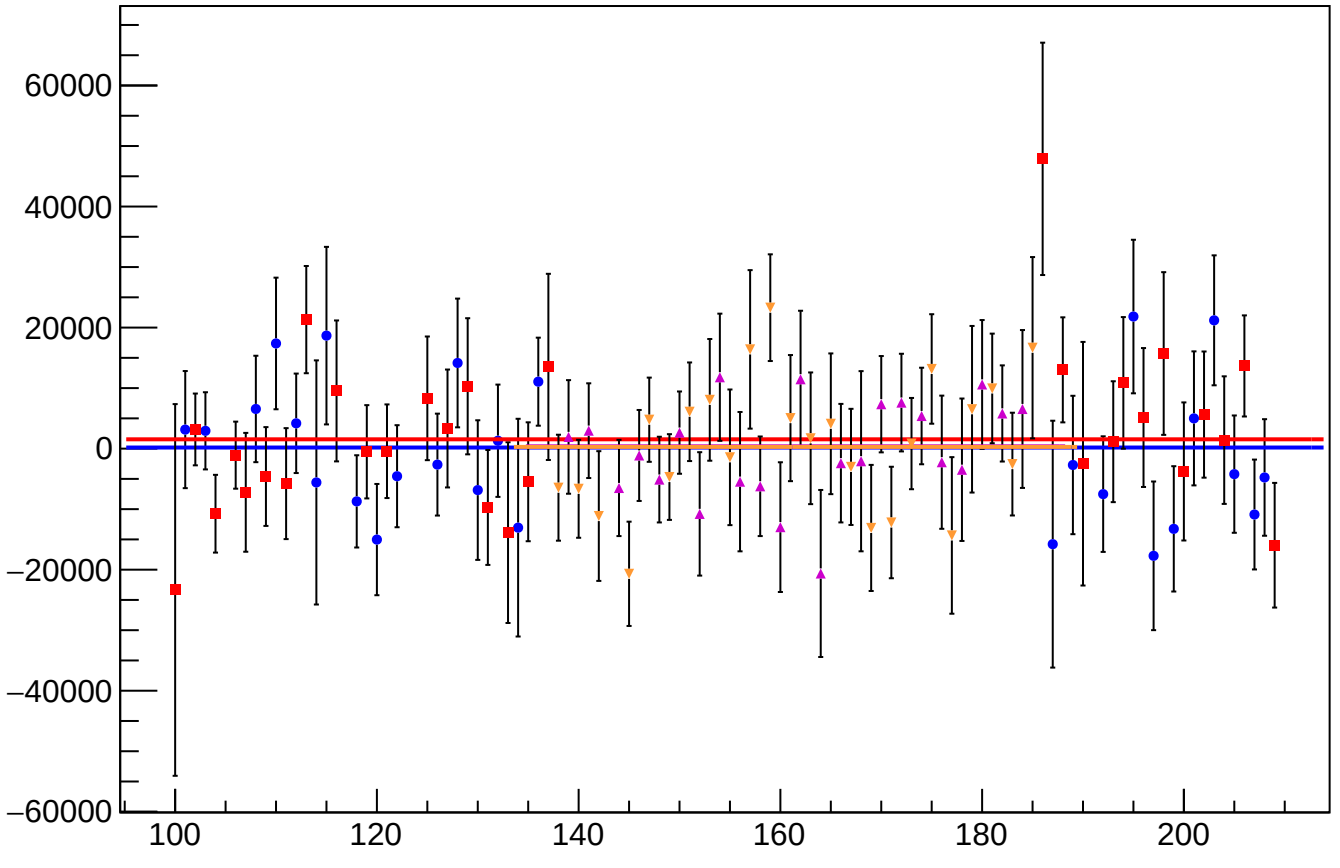
Left: 1754.225+/-0.205 χ^2/NDF: 385507.3/46

Right: 1598.186+/-0.201 χ^2/NDF: 1182759.8/56

In: 1670.597+/-0.204 χ^2/NDF:952639.1/49

Out: 1678.423+/-0.202 χ^2/NDF:910995.9/53

All: 1674.549+/-0.143 χ^2/NDF: 1864380.1/10



Right In: 181.662+/-1891.921 χ^2/NDF: 28.7/26

Left Out: 284.925+/-1920.134 χ^2/NDF:28.7/23

Right Out: 1539.488+/-1727.276 χ^2/NDF: 31.8/29

Left In: 382.660+/-1912.385 χ^2/NDF:13.6/22

Left: 333.990+/-1354.992 χ^2/NDF: 42.3/46

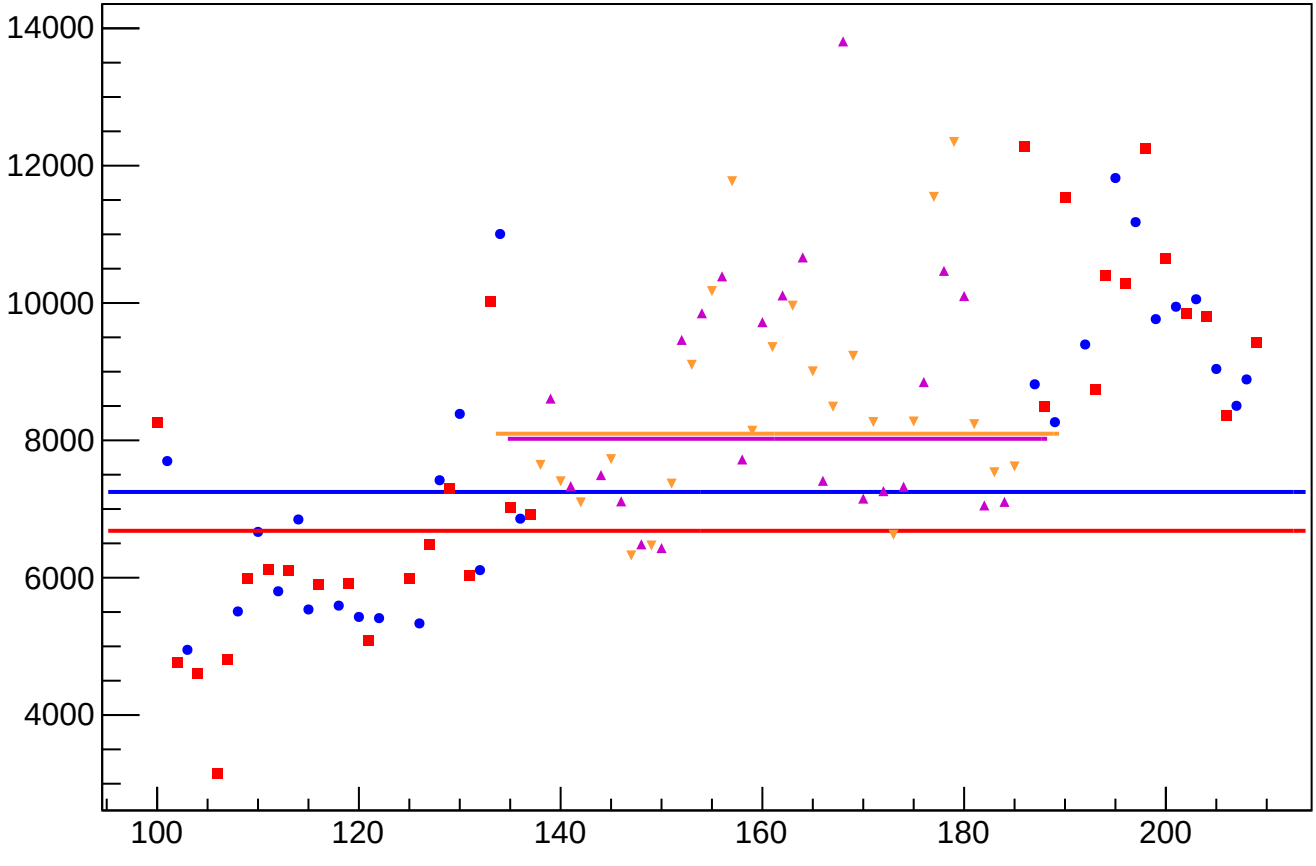
Right: 922.218+/-1275.612 χ^2/NDF: 60.7/56

In: 281.080+/-1344.967 χ^2/NDF:42.3/49

Out: 978.357+/-1284.155 χ^2/NDF:60.7/53

All: 645.838+/-928.789 χ^2/NDF: 103.1/103

asym_us_avg_at2lr_avg_dd_dit_correction_rms vs Slug, Sign Corrected



Right In: 7248.613+/-1.338 χ^2/NDF: 2083656.3/26

Left Out: 8096.821+/-1.358 χ^2/NDF:1087790.8/23

Right Out: 6682.770+/-1.221 χ^2/NDF: 3638718.3/29

Left In: 8022.726+/-1.352 χ^2/NDF:1225549.2/22

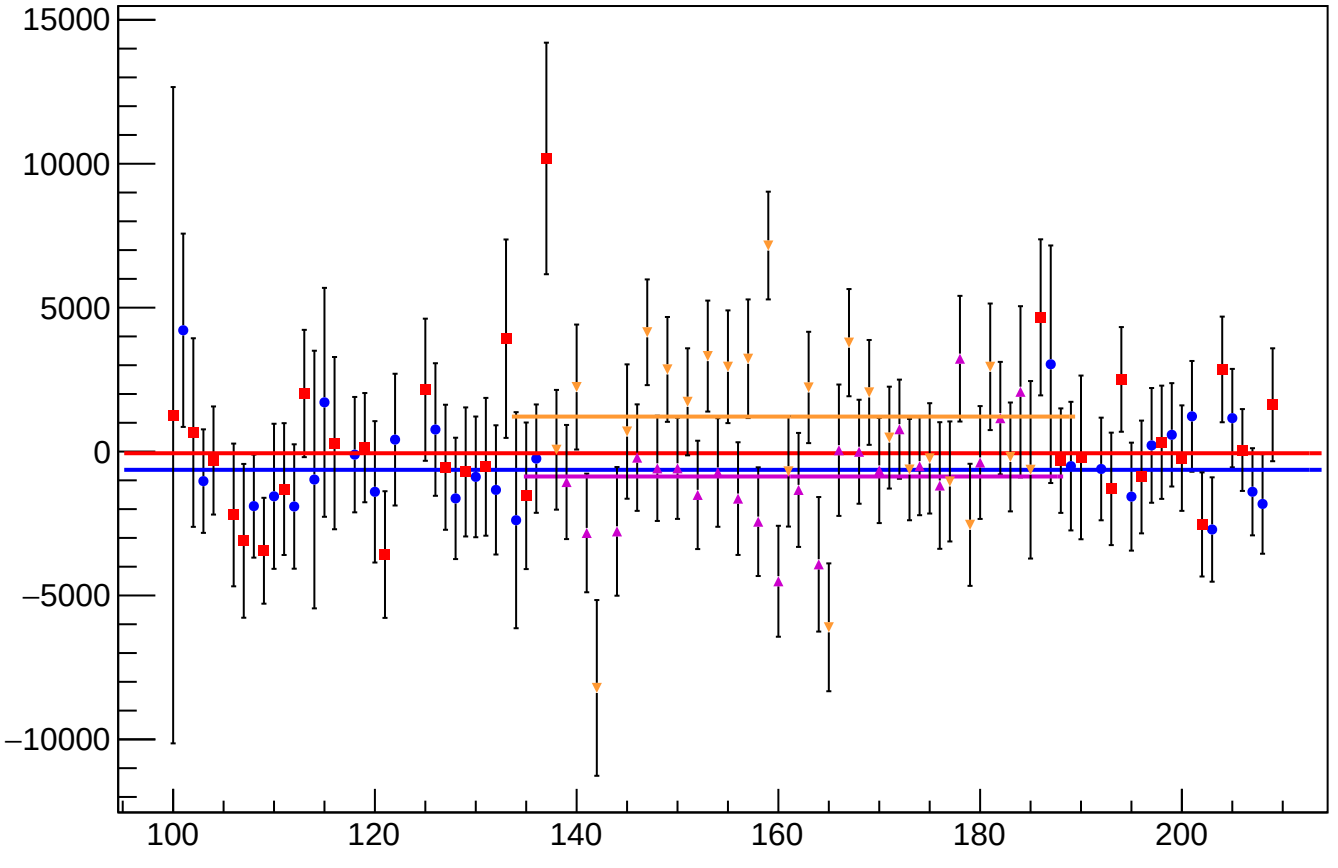
Left: 8059.624+/-0.958 χ^2/NDF: 2314835.1/46

Right: 6940.004+/-0.902 χ^2/NDF: 5819947.4/56

In: 7631.505+/-0.951 χ^2/NDF:3474822.6/49

Out: 7315.236+/-0.908 χ^2/NDF:5326035.1/53

All: 7466.059+/-0.657 χ^2/NDF: 8858710.2/10



Right In: -634.461+/-404.931 χ^2/NDF: 10.5/26

Left Out: 1215.361+/-409.585 χ^2/NDF:48.5/23

Right Out: -57.964+/-397.624 χ^2/NDF: 29.2/29

Left In: -866.021+/-410.039 χ^2/NDF:15.1/22

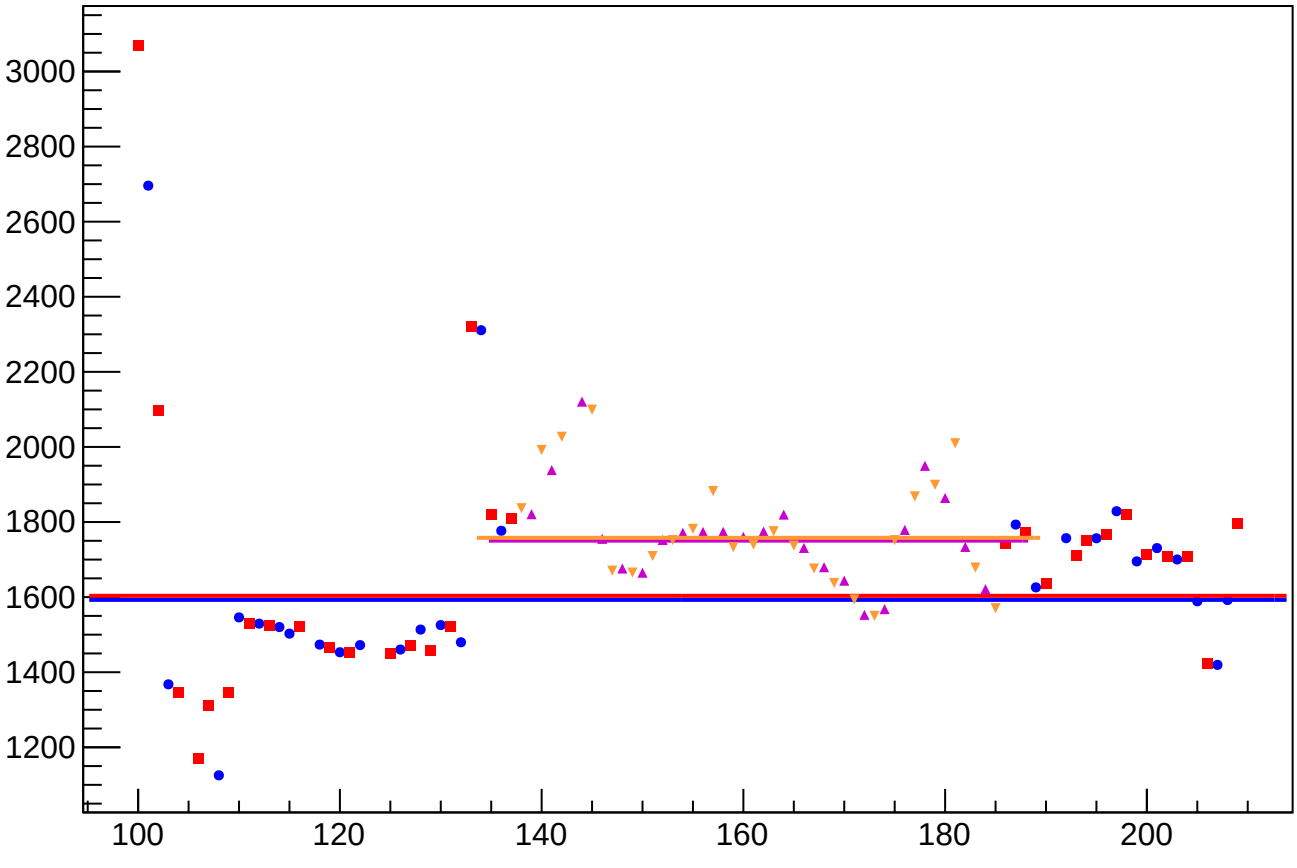
Left: 175.823+/-289.781 χ^2/NDF: 76.5/46

Right: -340.964+/-283.711 χ^2/NDF: 40.8/56

In: -748.790+/-288.119 χ^2/NDF:25.8/49

Out: 559.834+/-285.297 χ^2/NDF:82.6/53

All: -88.039+/-202.726 χ^2/NDF: 118.9/103



Right In: 1592.695+/-0.286 χ^2/NDF: 630823.4/26

Left Out: 1757.968+/-0.290 χ^2/NDF:213292.2/23

Right Out: 1603.479+/-0.281 χ^2/NDF: 551215.5/29

Left In: 1750.480+/-0.290 χ^2/NDF:171897.3/22

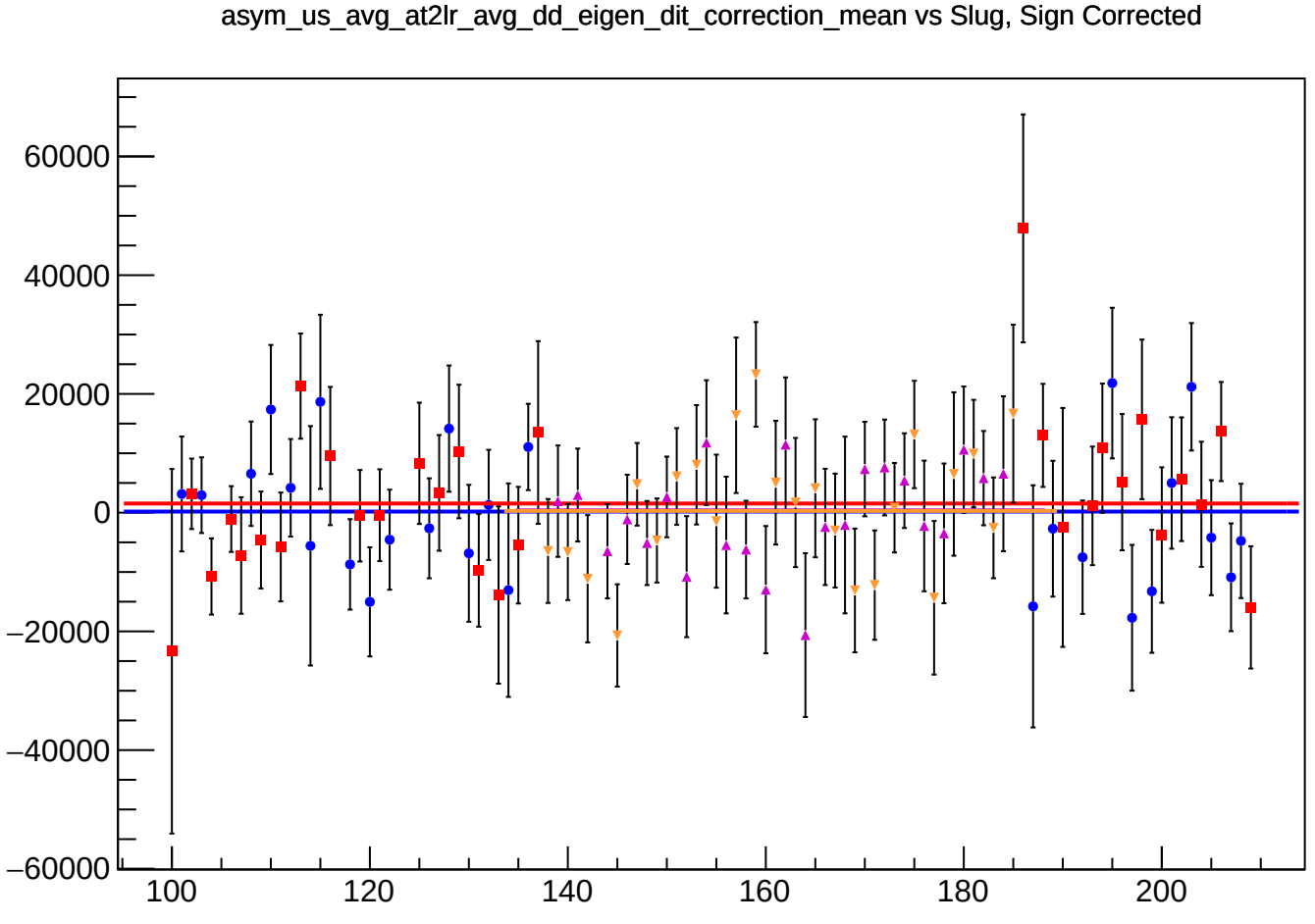
Left: 1754.228+/-0.205 χ^2/NDF: 385523.3/46

Right: 1598.186+/-0.201 χ^2/NDF: 1182761.2/56

In: 1670.598+/-0.204 χ^2/NDF:952651.9/49

Out: 1678.424+/-0.202 χ^2/NDF:911010.1/53

All: 1674.550+/-0.143 χ^2/NDF: 1864407.1/10



Right In: 181.654+/-1891.919 χ^2/NDF: 28.7/26

Left Out: 284.927+/-1920.138 χ^2/NDF:28.7/23

Right Out: 1539.477+/-1727.274 χ^2/NDF: 31.8/29

Left In: 382.663+/-1912.388 χ^2/NDF:13.6/22

Left: 333.993+/-1354.994 χ^2/NDF: 42.3/46

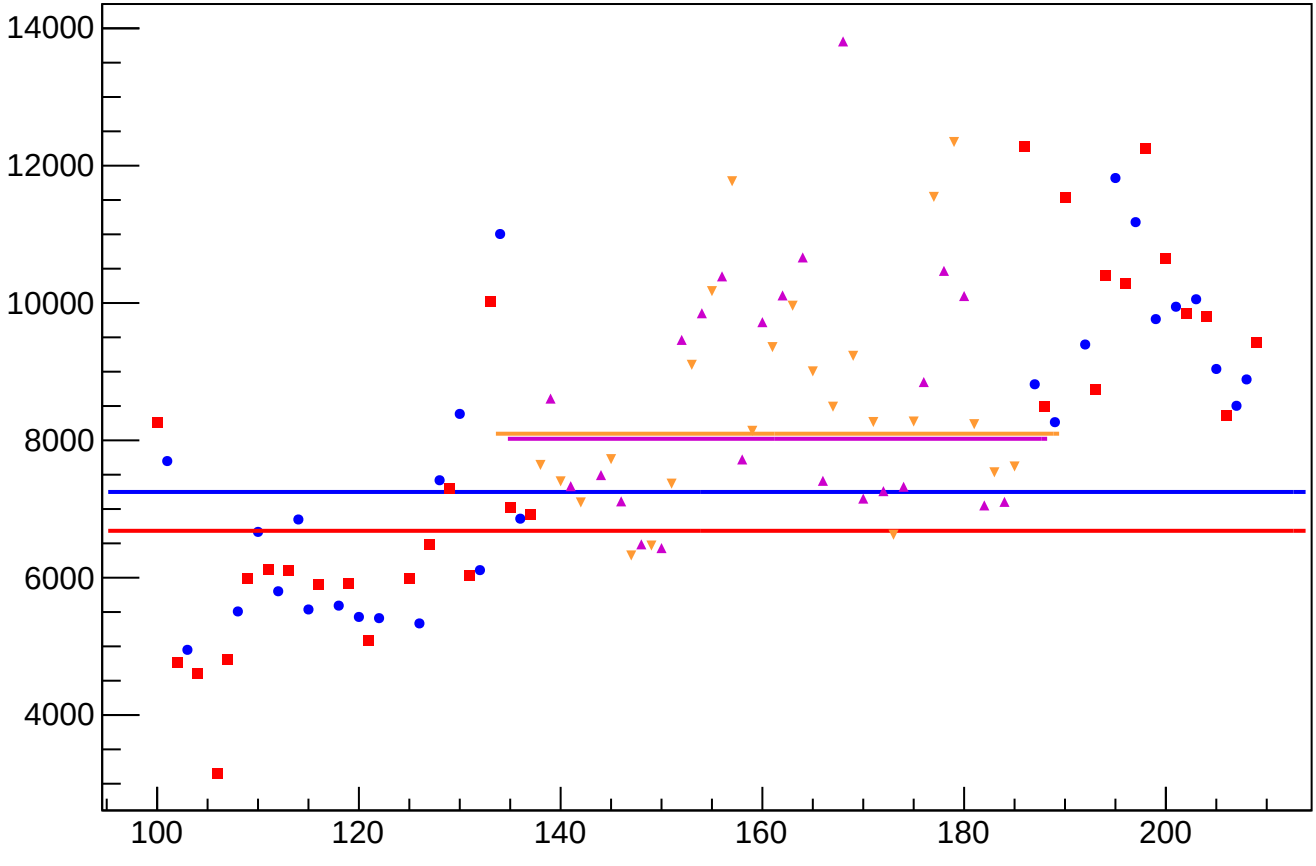
Right: 922.208+/-1275.611 χ^2/NDF: 60.7/56

In: 281.077+/-1344.967 χ^2/NDF:42.3/49

Out: 978.353+/-1284.155 χ^2/NDF:60.7/53

All: 645.835+/-928.789 χ^2/NDF: 103.1/103

asym_us_avg_at2lr_avg_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 7248.604+/-1.338 χ^2/NDF: 2083683.4/26

Left Out: 8096.833+/-1.358 χ^2/NDF:1087793.4/23

Right Out: 6682.761+/-1.221 χ^2/NDF: 3638744.8/29

Left In: 8022.738+/-1.352 χ^2/NDF:1225553.6/22

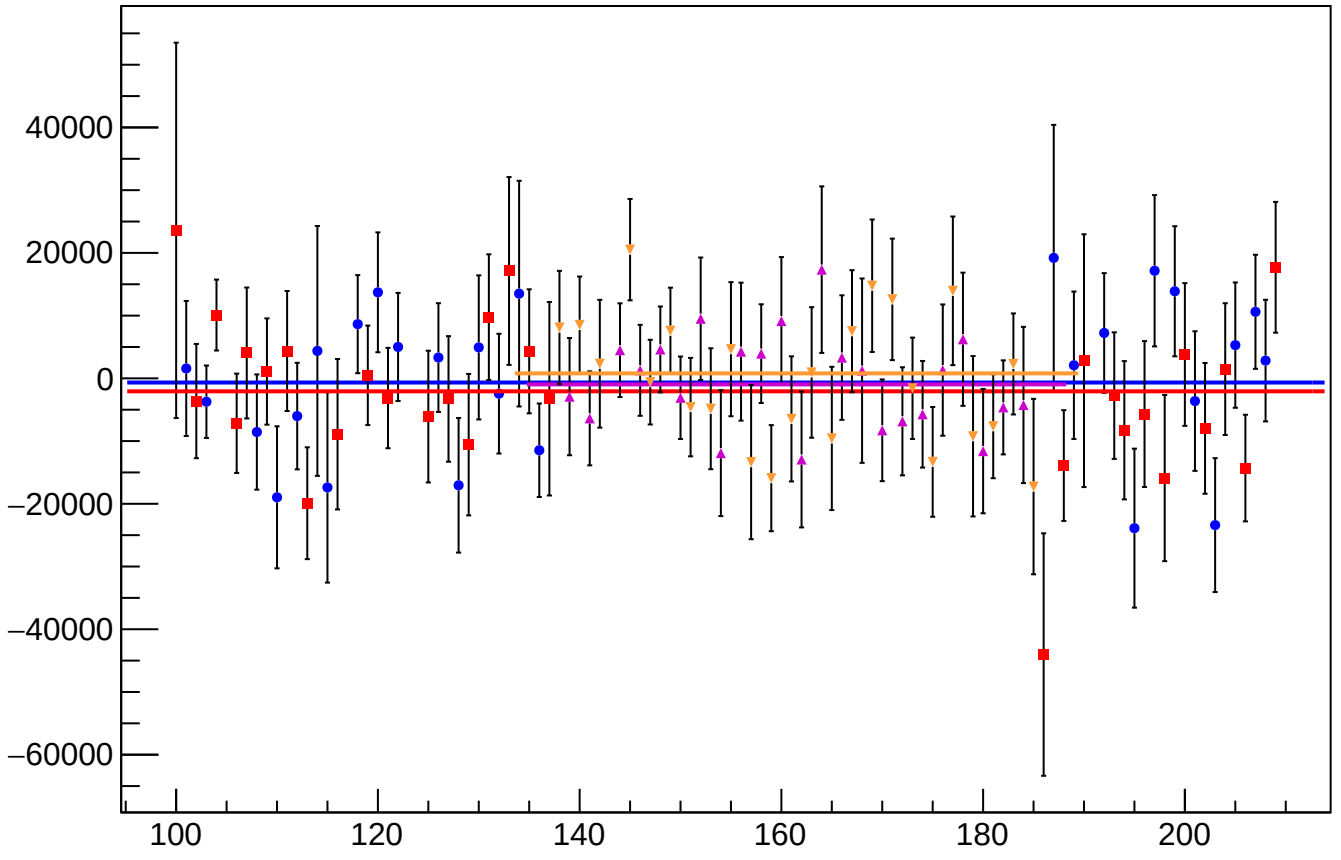
Left: 8059.636+/-0.958 χ^2/NDF: 2314842.1/46

Right: 6939.994+/-0.902 χ^2/NDF: 5820001.5/56

In: 7631.506+/-0.951 χ^2/NDF:3474862.9/49

Out: 7315.234+/-0.908 χ^2/NDF:5326082.4/53

All: 7466.058+/-0.657 χ^2/NDF: 8858798.4/10



Right In: -664.734+/-1910.805 χ^2/NDF: 30.8/26

Left Out: 791.264+/-1865.111 χ^2/NDF:27.2/23

Right Out: -2069.248+/-1827.428 χ^2/NDF: 29.8/29

Left In: -963.967+/-1859.926 χ^2/NDF:12.8/22

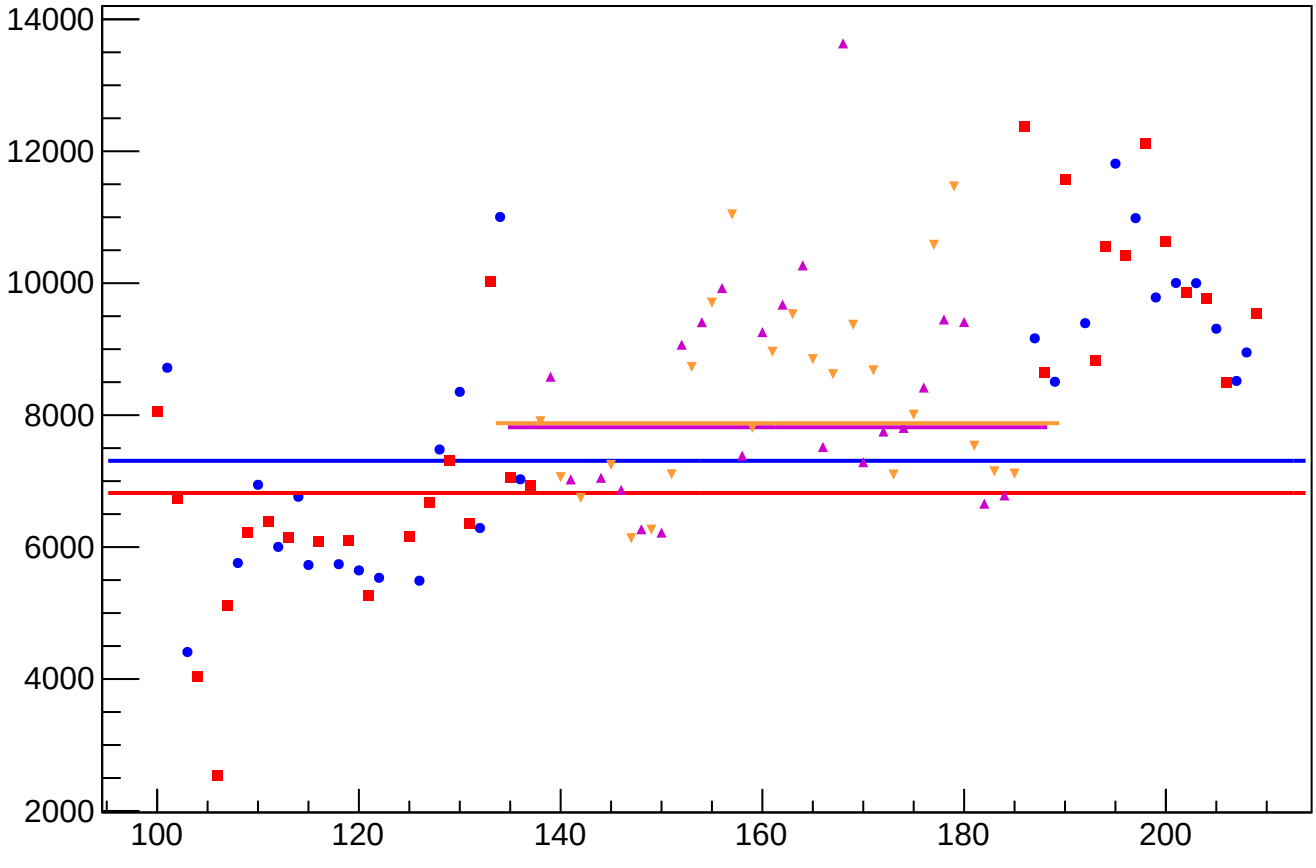
Left: -88.795+/-1316.995 χ^2/NDF: 40.4/46

Right: -1398.301+/-1320.679 χ^2/NDF: 60.9/56

In: -818.387+/-1332.790 χ^2/NDF:43.6/49

Out: -668.181+/-1305.306 χ^2/NDF:58.2/53

All: -741.719+/-932.556 χ^2/NDF: 101.8/103



Right In: 7308.012+/-1.351 χ^2/NDF: 2210434.9/26

Left Out: 7878.482+/-1.319 χ^2/NDF:990058.5/23

Right Out: 6820.268+/-1.260 χ^2/NDF: 3869943.5/29

Left In: 7816.447+/-1.315 χ^2/NDF:1132368.2/22

Left: 7847.378+/-0.931 χ^2/NDF: 2123536.1/46

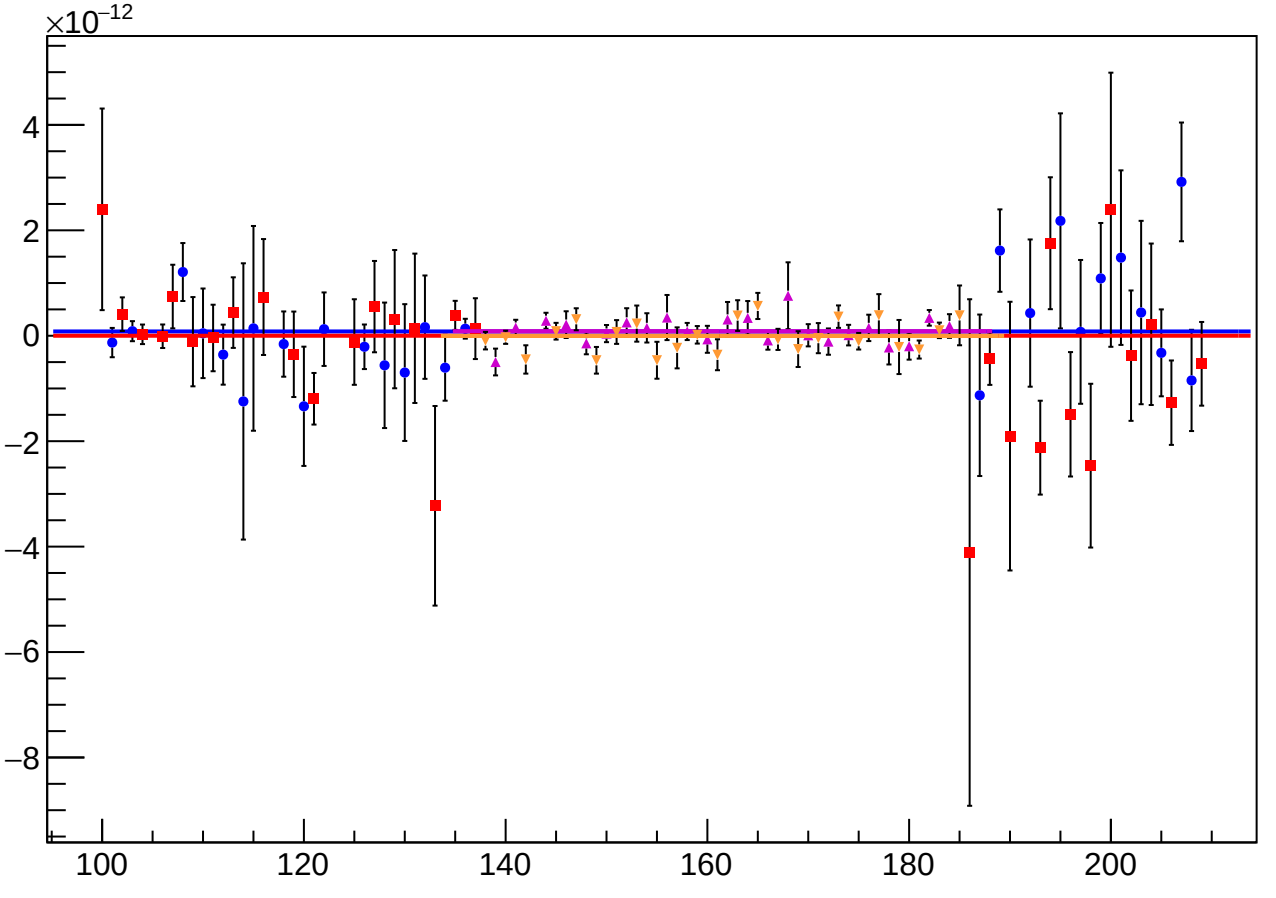
Right: 7047.221+/-0.922 χ^2/NDF: 6150054.8/56

In: 7569.088+/-0.942 χ^2/NDF:3415514.5/49

Out: 7325.429+/-0.911 χ^2/NDF:5196483.3/53

All: 7443.157+/-0.655 χ^2/NDF: 8646545.9/10

asym_us_avg_at2lr_avg_dd_reg_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 24.6/26

Left Out: -0.000+/-0.000 χ^2/NDF:28.6/23

Right Out: 0.000+/-0.000 χ^2/NDF: 35.0/29

Left In: 0.000+/-0.000 χ^2/NDF:19.3/22

Left: 0.000+/-0.000 χ^2/NDF: 50.1/46

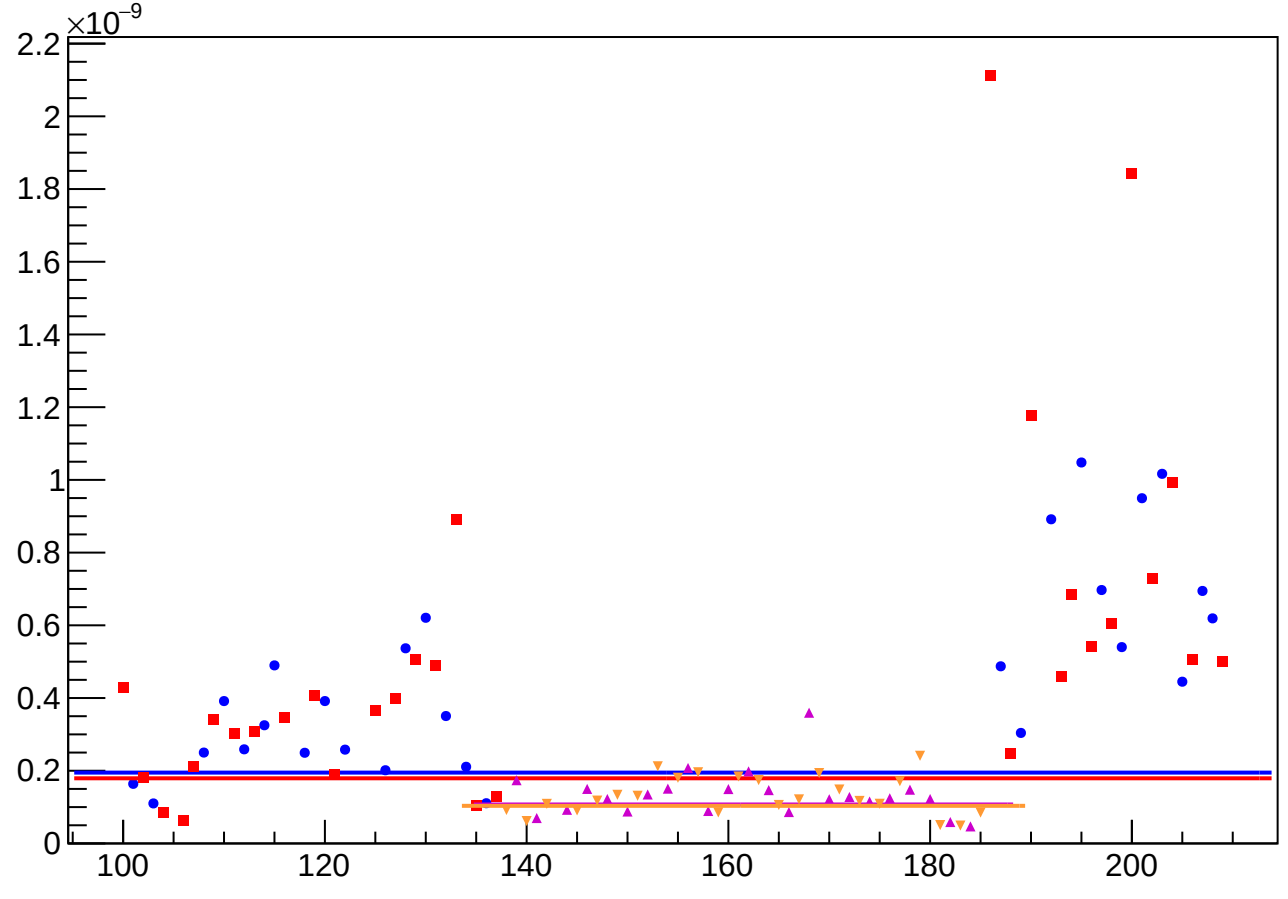
Right: 0.000+/-0.000 χ^2/NDF: 59.9/56

In: 0.000+/-0.000 χ^2/NDF:43.9/49

Out: -0.000+/-0.000 χ^2/NDF:63.6/53

All: 0.000+/-0.000 χ^2/NDF: 110.0/103

asym_us_avg_at2lr_avg_dd_reg_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 4828292.1/26

Left Out: 0.000+/-0.000 χ^2/NDF:1905146.0/23

Right Out: 0.000+/-0.000 χ^2/NDF: 6404199.9/29

Left In: 0.000+/-0.000 χ^2/NDF:1596017.6/22

Left: 0.000+/-0.000 χ^2/NDF: 3508045.7/46

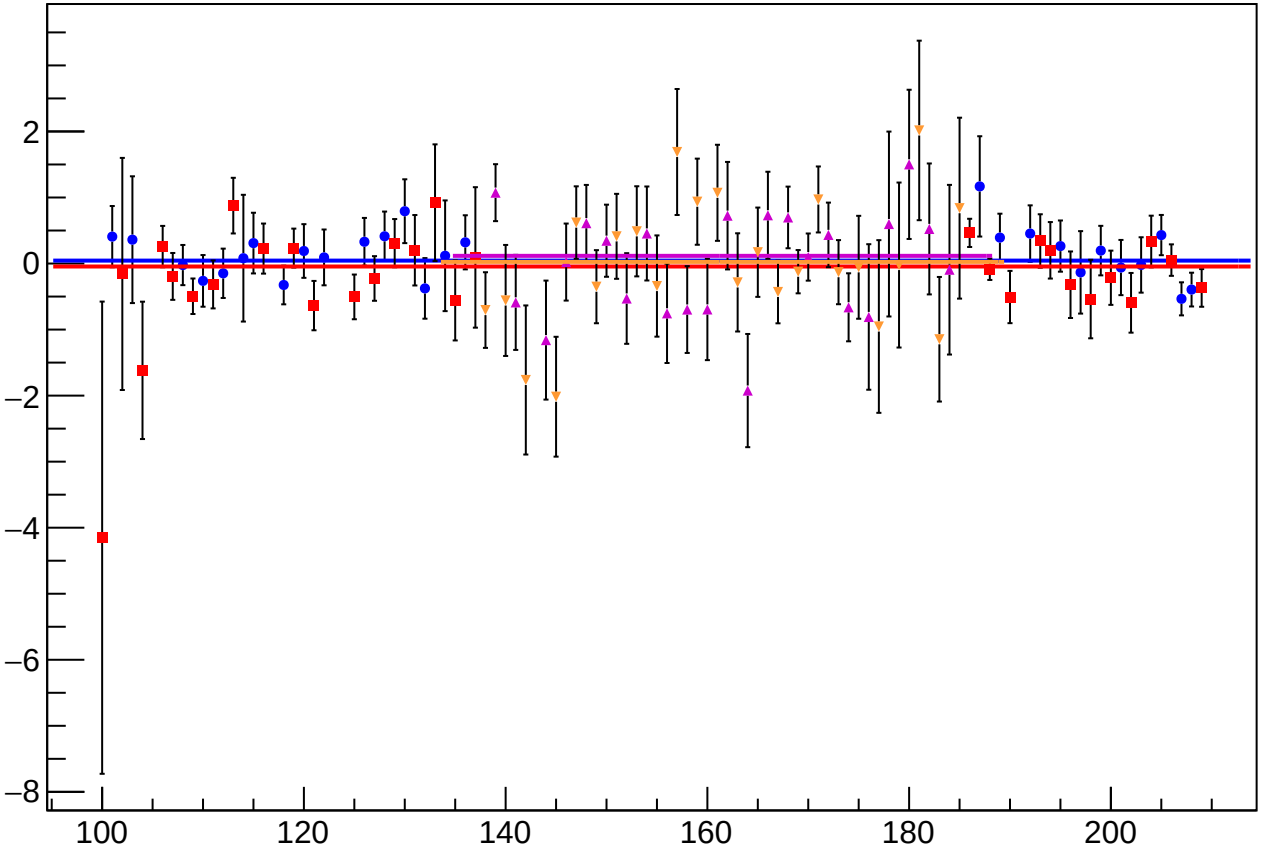
Right: 0.000+/-0.000 χ^2/NDF: 11258090.8/56

In: 0.000+/-0.000 χ^2/NDF:7716294.9/49

Out: 0.000+/-0.000 χ^2/NDF:9322180.2/53

All: 0.000+/-0.000 χ^2/NDF: 17057882.8/103

asym_us_avg_at2lr_avg_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.044+/-0.076 χ^2/NDF: 23.6/26

Left Out: 0.025+/-0.134 χ^2/NDF:29.1/23

Right Out: -0.045+/-0.065 χ^2/NDF: 35.4/29

Left In: 0.117+/-0.132 χ^2/NDF:27.8/22

Left: 0.071+/-0.094 χ^2/NDF: 57.1/46

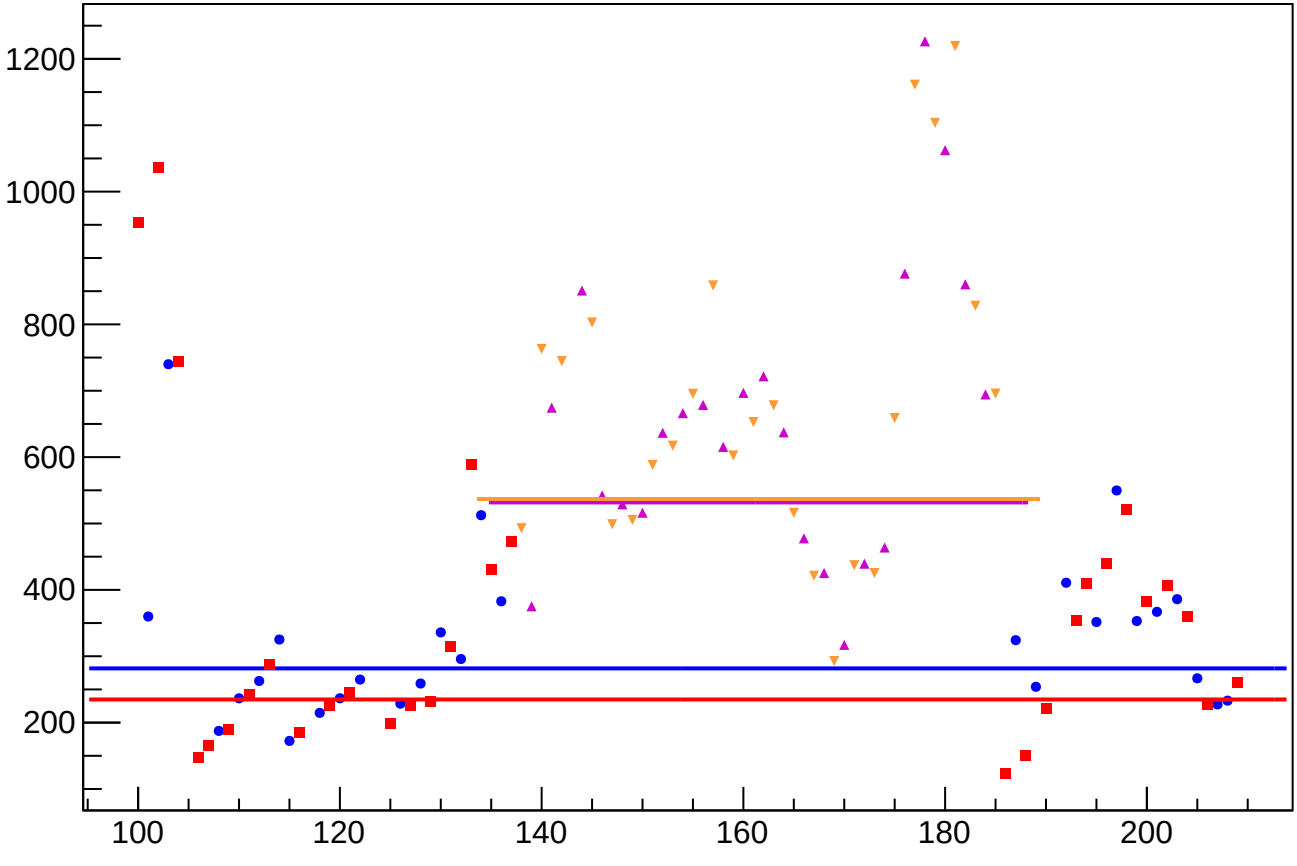
Right: -0.007+/-0.049 χ^2/NDF: 59.8/56

In: 0.062+/-0.066 χ^2/NDF:51.6/49

Out: -0.032+/-0.058 χ^2/NDF:64.7/53

All: 0.010+/-0.044 χ^2/NDF: 117.4/103

asym_us_avg_at2lr_avg_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 281.682+/-0.053 χ^2/NDF: 2421028.1/26

Left Out: 536.821+/-0.095 χ^2/NDF:3963242.1/23

Right Out: 234.869+/-0.046 χ^2/NDF: 5204330.5/29

Left In: 531.769+/-0.094 χ^2/NDF:3381209.0/22

Left: 534.267+/-0.067 χ^2/NDF: 7345889.1/46

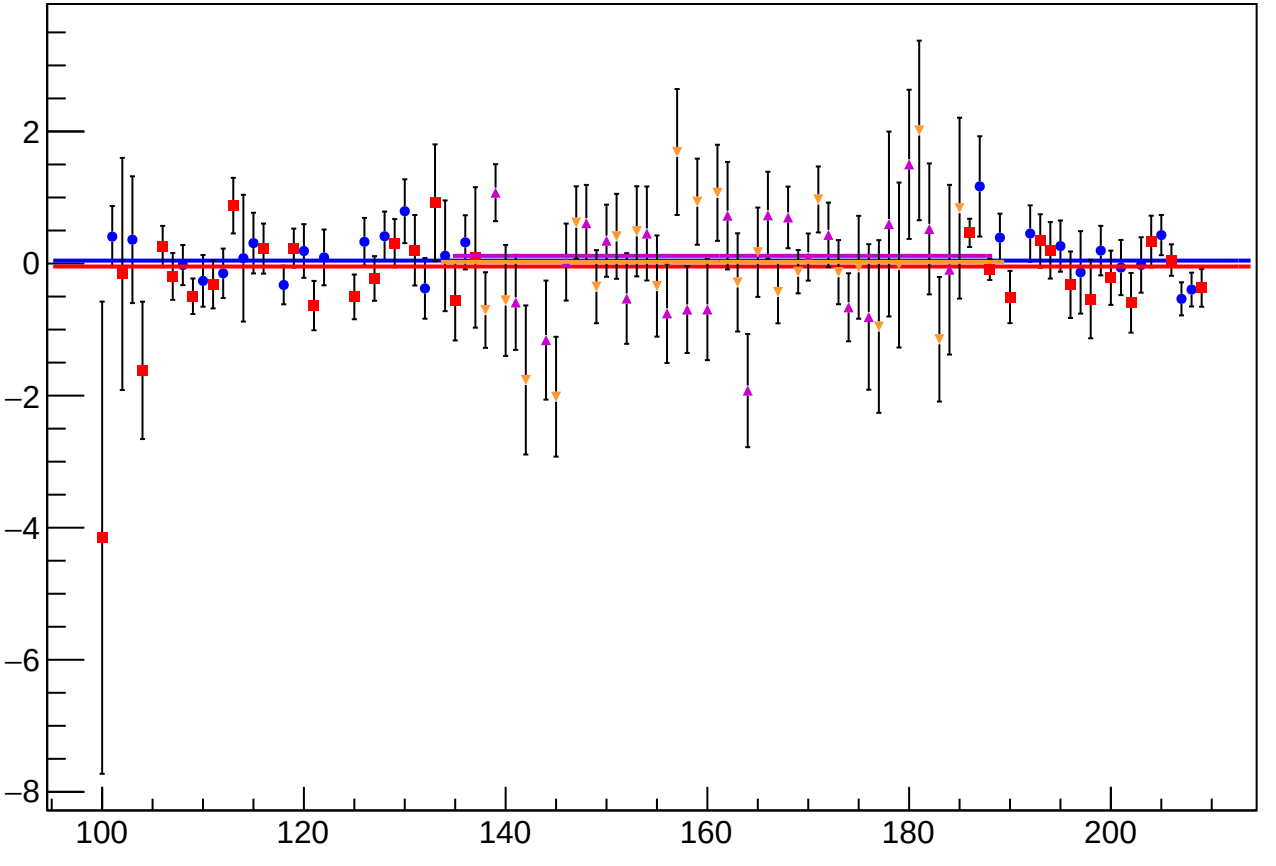
Right: 254.721+/-0.035 χ^2/NDF: 8067595.3/56

In: 343.068+/-0.046 χ^2/NDF:11181305.2/49

Out: 292.160+/-0.041 χ^2/NDF:17399755.9/53

All: 314.639+/-0.031 χ^2/NDF: 29253149.8/10

asym_us_avg_at2lr_avg_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.044+/-0.076 χ^2/NDF: 23.6/26

Left Out: 0.025+/-0.134 χ^2/NDF:29.1/23

Right Out: -0.045+/-0.065 χ^2/NDF: 35.4/29

Left In: 0.117+/-0.132 χ^2/NDF:27.8/22

Left: 0.071+/-0.094 χ^2/NDF: 57.1/46

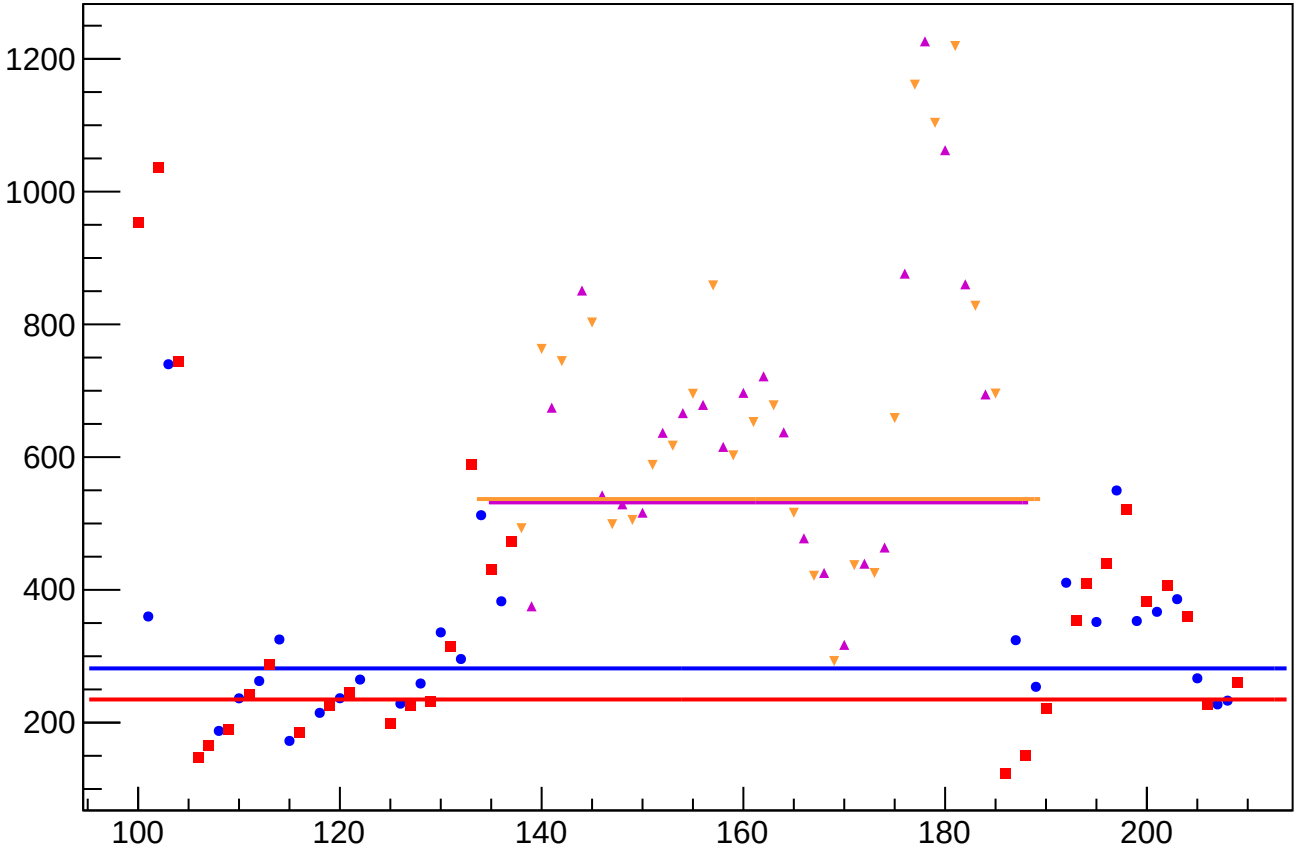
Right: -0.007+/-0.049 χ^2/NDF: 59.8/56

In: 0.062+/-0.066 χ^2/NDF:51.6/49

Out: -0.032+/-0.058 χ^2/NDF:64.7/53

All: 0.010+/-0.044 χ^2/NDF: 117.4/103

asym_us_avg_at2lr_avg_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 281.682+/-0.053 χ^2/NDF: 2421028.1/26

Left Out: 536.821+/-0.095 χ^2/NDF:3963242.1/23

Right Out: 234.869+/-0.046 χ^2/NDF: 5204330.5/29

Left In: 531.769+/-0.094 χ^2/NDF:3381209.0/22

Left: 534.267+/-0.067 χ^2/NDF: 7345889.1/46

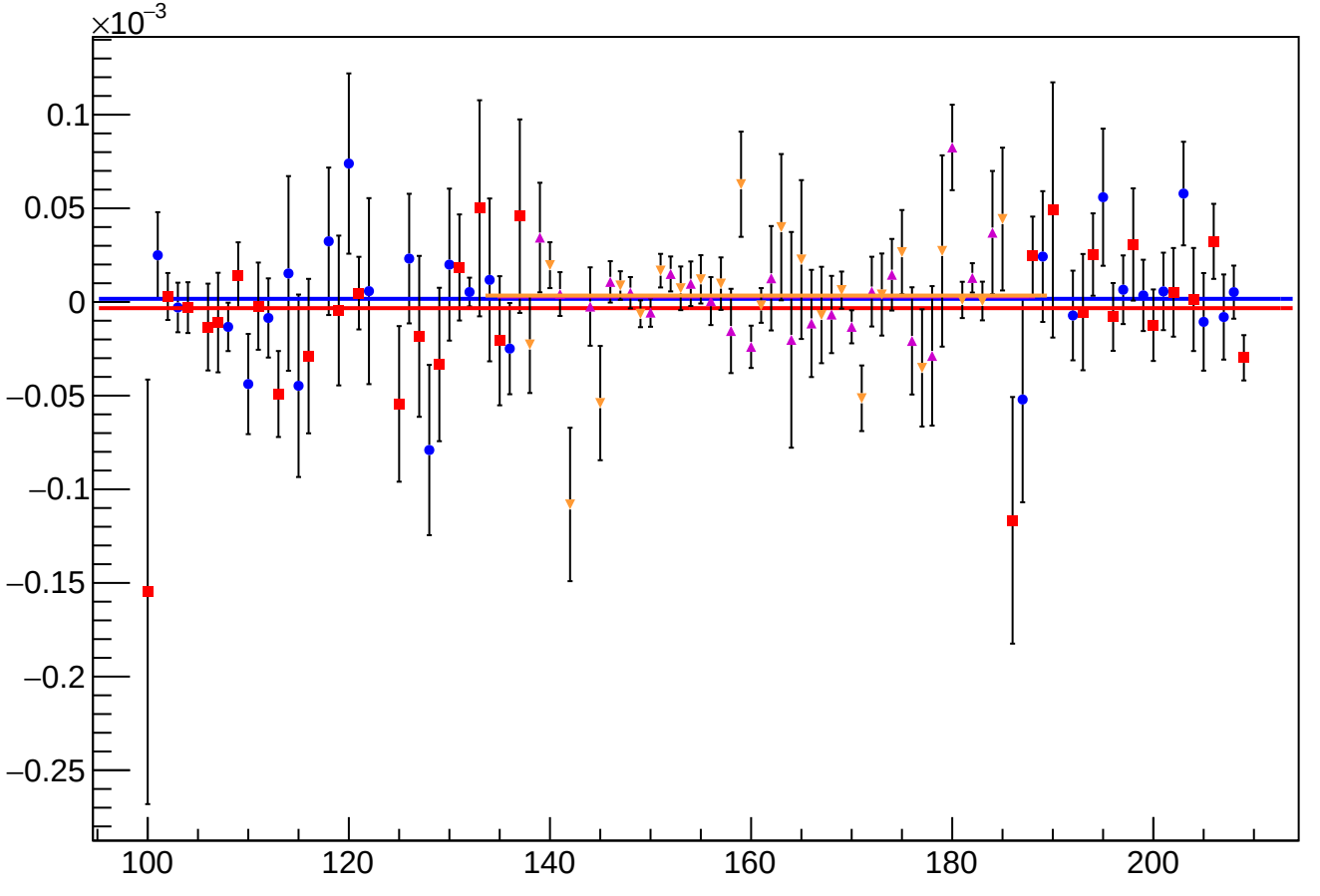
Right: 254.721+/-0.035 χ^2/NDF: 8067595.3/56

In: 343.068+/-0.046 χ^2/NDF:11181305.2/49

Out: 292.160+/-0.041 χ^2/NDF:17399755.9/53

All: 314.639+/-0.031 χ^2/NDF: 29253149.8/10

asym_us_avg_at2lr_avg_dd_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 23.1/26

Left Out: 0.000+/-0.000 χ^2/NDF:39.1/23

Right Out: -0.000+/-0.000 χ^2/NDF: 29.3/29

Left In: 0.000+/-0.000 χ^2/NDF:32.2/22

Left: 0.000+/-0.000 χ^2/NDF: 71.3/46

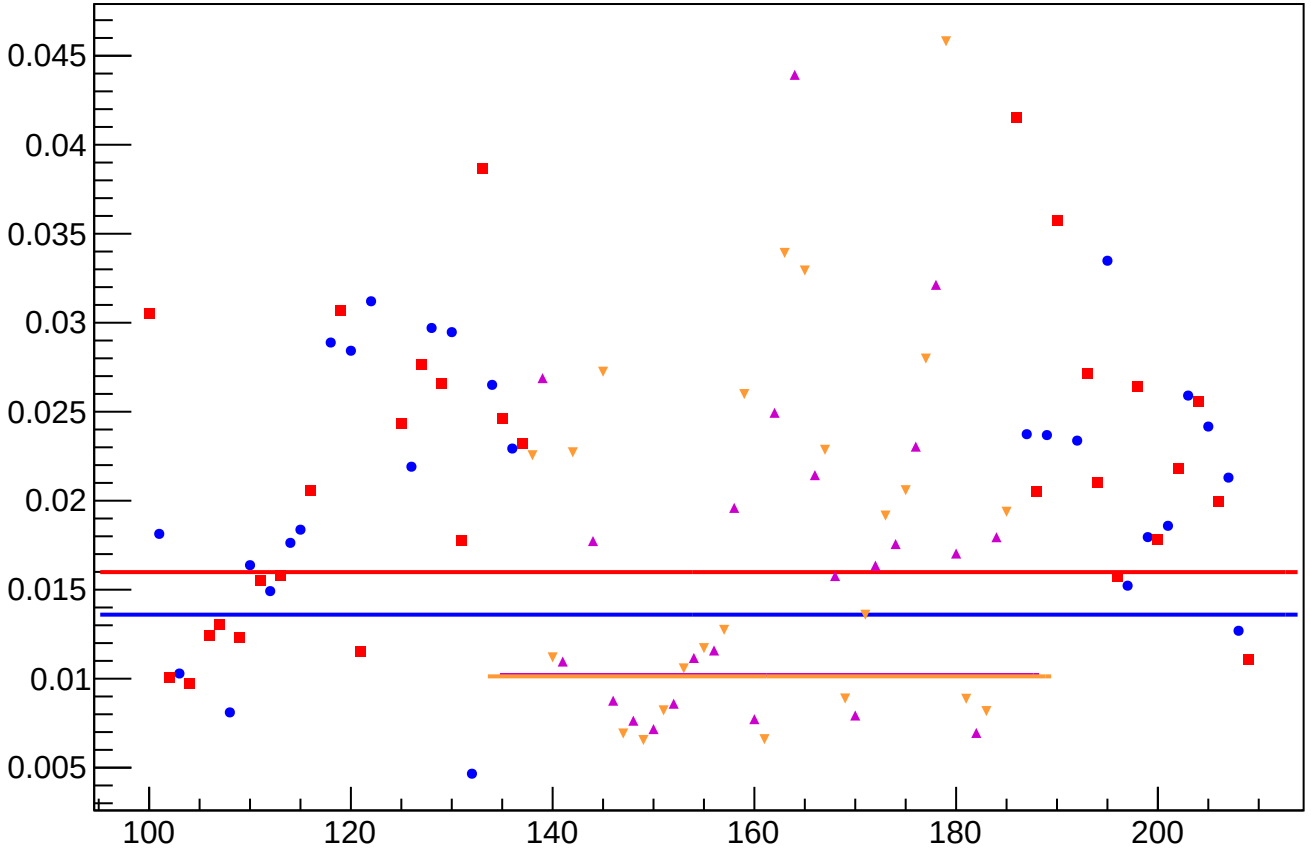
Right: -0.000+/-0.000 χ^2/NDF: 53.2/56

In: 0.000+/-0.000 χ^2/NDF:55.3/49

Out: 0.000+/-0.000 χ^2/NDF:70.2/53

All: 0.000+/-0.000 χ^2/NDF: 125.6/103

asym_us_avg_at2lr_avg_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.014+/-0.000 χ^2/NDF: 7581868.3/26

Left Out: 0.010+/-0.000 χ^2/NDF:7812047.6/23

Right Out: 0.016+/-0.000 χ^2/NDF: 4267526.2/29

Left In: 0.010+/-0.000 χ^2/NDF:6075883.8/22

Left: 0.010+/-0.000 χ^2/NDF: 13888720.1/46

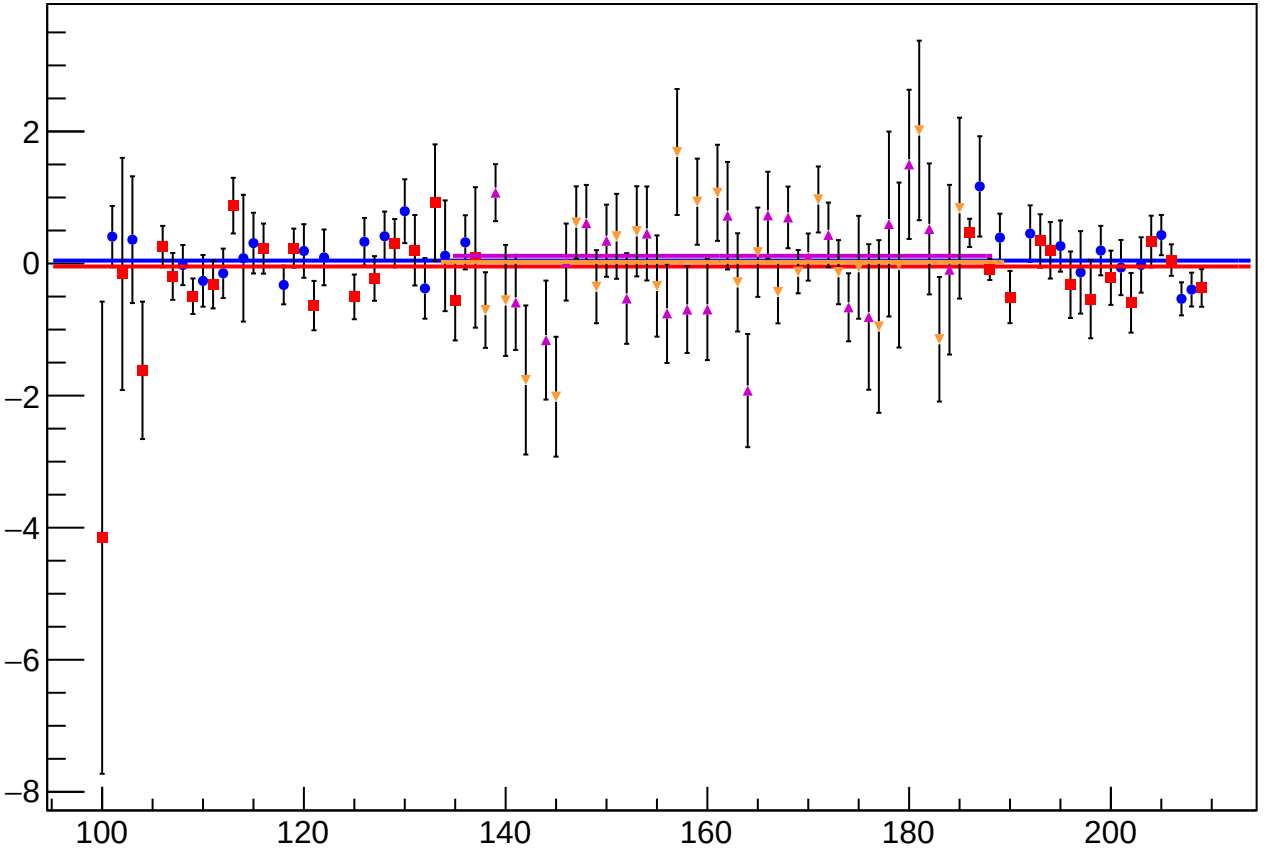
Right: 0.015+/-0.000 χ^2/NDF: 12184651.1/56

In: 0.011+/-0.000 χ^2/NDF:14622840.3/49

Out: 0.012+/-0.000 χ^2/NDF:14770613.7/53

All: 0.012+/-0.000 χ^2/NDF: 29452307.0/103

asym_us_avg_at2lr_avg_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.044+/-0.076 χ^2/NDF: 23.6/26

Left Out: 0.025+/-0.134 χ^2/NDF:29.1/23

Right Out: -0.045+/-0.065 χ^2/NDF: 35.4/29

Left In: 0.117+/-0.132 χ^2/NDF:27.8/22

Left: 0.071+/-0.094 χ^2/NDF: 57.1/46

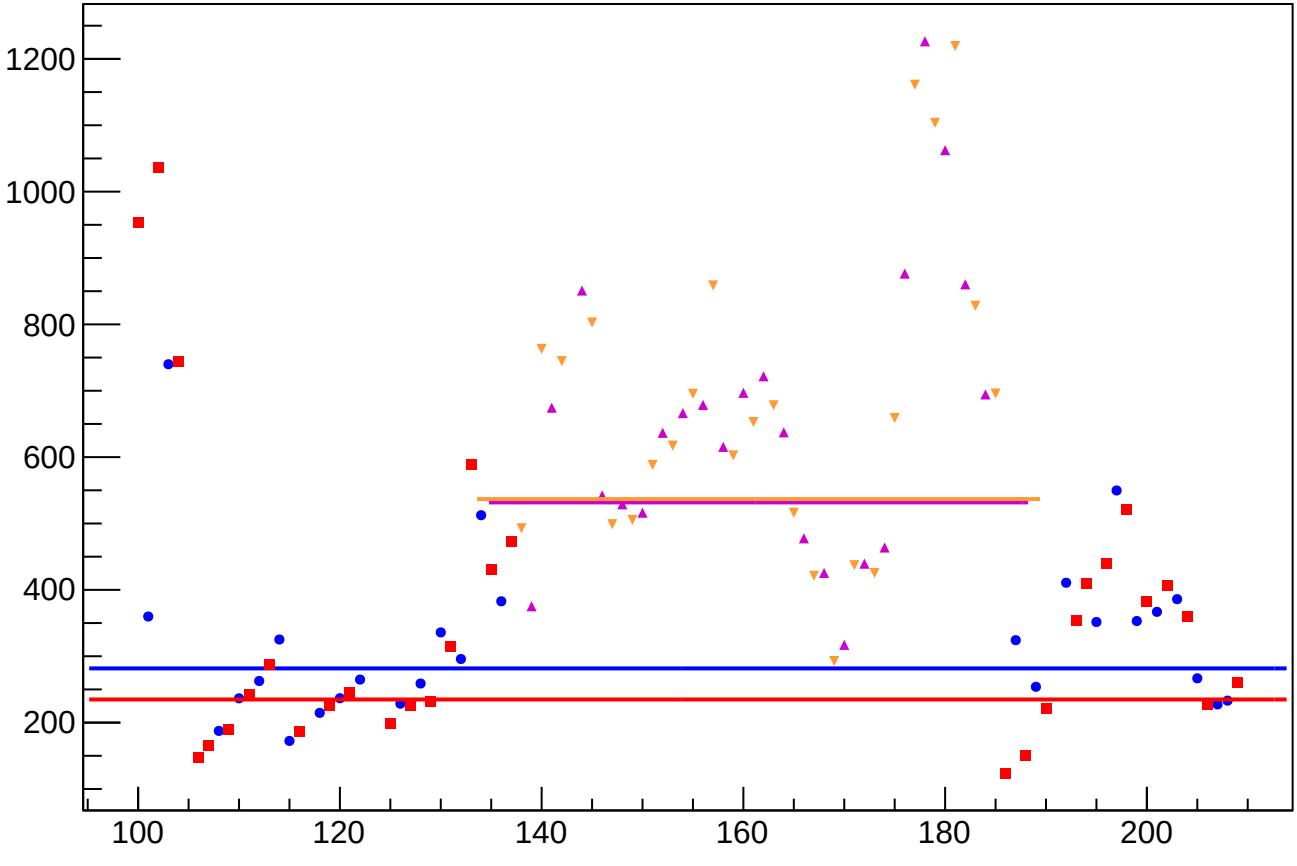
Right: -0.007+/-0.049 χ^2/NDF: 59.8/56

In: 0.062+/-0.066 χ^2/NDF:51.6/49

Out: -0.032+/-0.058 χ^2/NDF:64.7/53

All: 0.010+/-0.044 χ^2/NDF: 117.5/103

asym_us_avg_at2lr_avg_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 281.681+/-0.053 χ^2/NDF: 2421020.0/26

Left Out: 536.822+/-0.095 χ^2/NDF:3963422.5/23

Right Out: 234.867+/-0.046 χ^2/NDF: 5204488.1/29

Left In: 531.773+/-0.094 χ^2/NDF:3381293.8/22

Left: 534.268+/-0.067 χ^2/NDF: 7346152.7/46

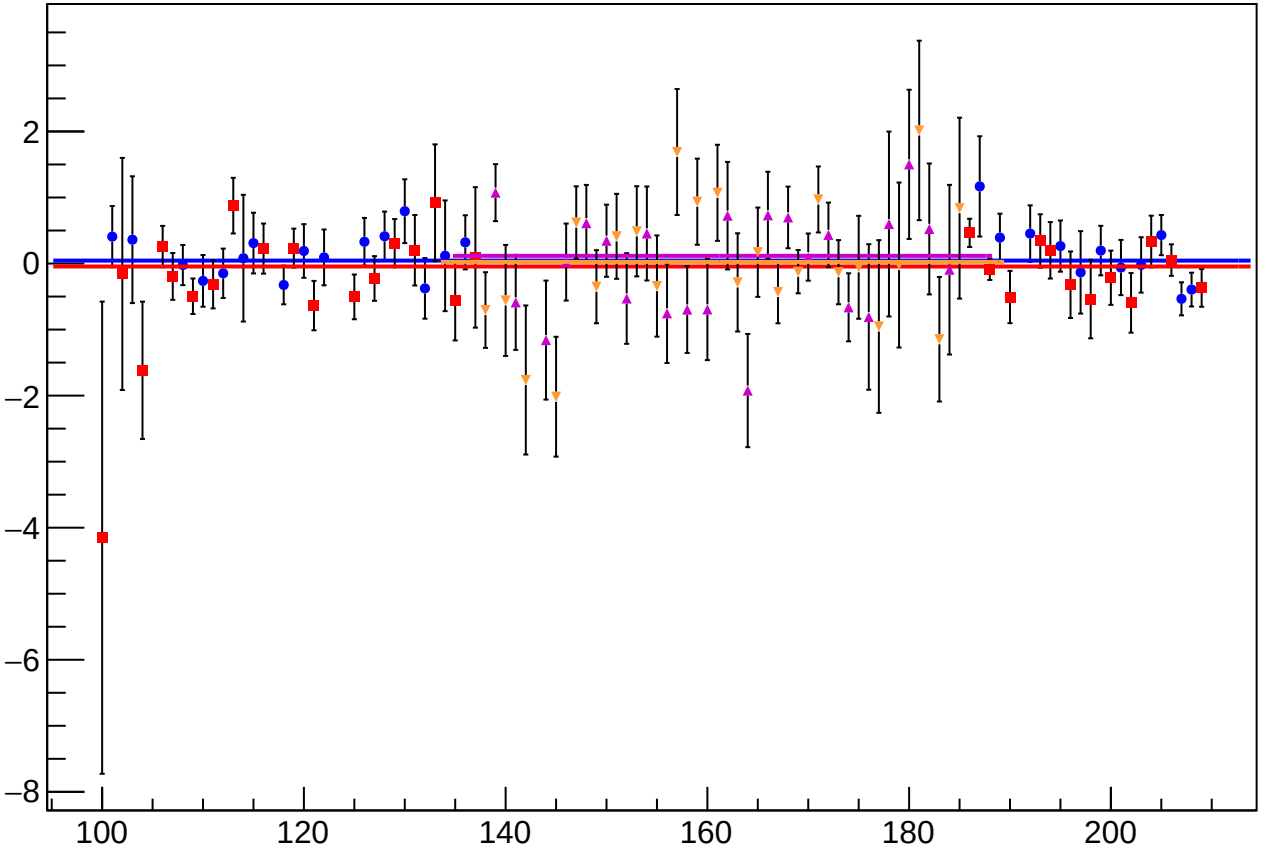
Right: 254.719+/-0.035 χ^2/NDF: 8067769.9/56

In: 343.067+/-0.046 χ^2/NDF:11181514.2/49

Out: 292.157+/-0.041 χ^2/NDF:17400209.8/53

All: 314.637+/-0.031 χ^2/NDF: 29253856.7/10

asym_us_avg_at2lr_avg_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.044+/-0.076 χ^2/NDF: 23.6/26

Left Out: 0.025+/-0.134 χ^2/NDF:29.1/23

Right Out: -0.045+/-0.065 χ^2/NDF: 35.4/29

Left In: 0.117+/-0.132 χ^2/NDF:27.8/22

Left: 0.071+/-0.094 χ^2/NDF: 57.1/46

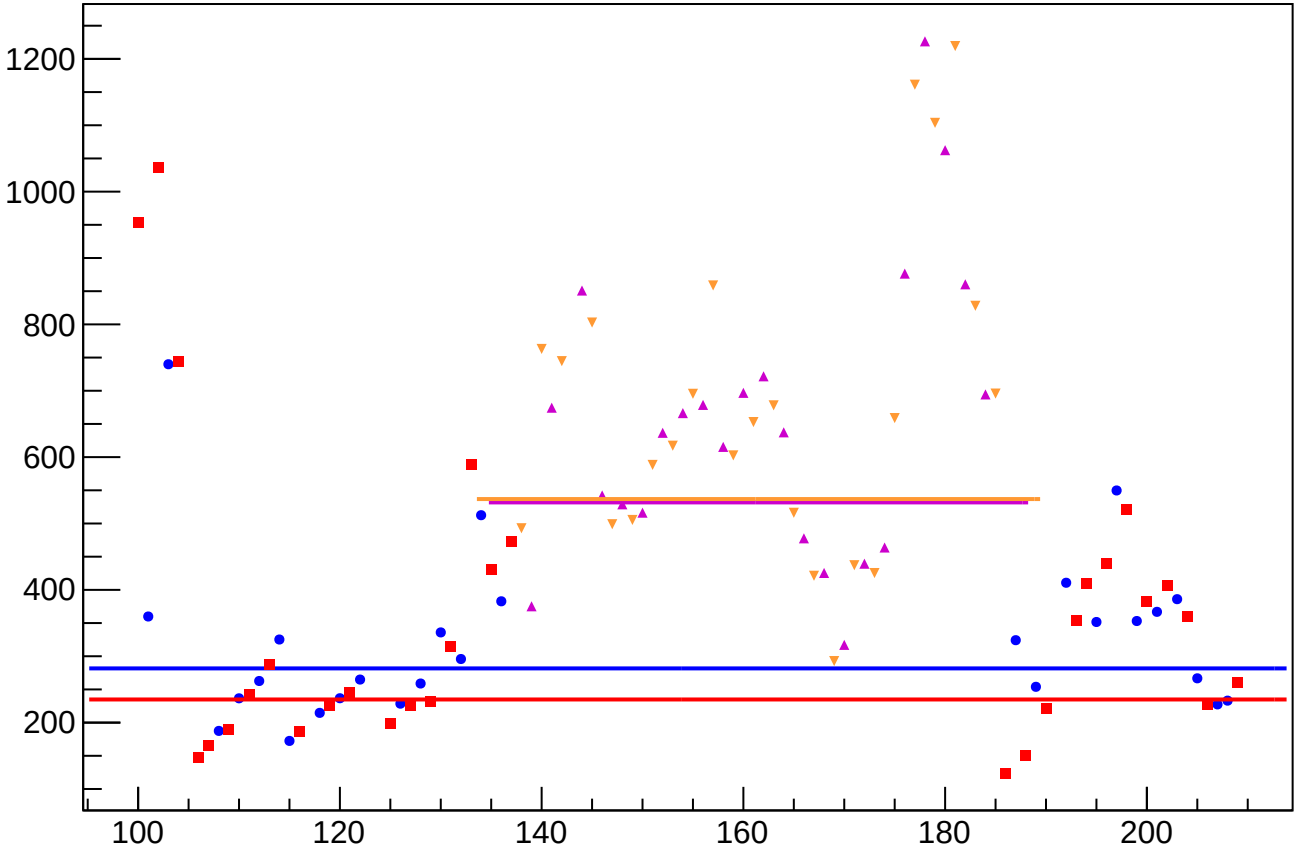
Right: -0.007+/-0.049 χ^2/NDF: 59.8/56

In: 0.062+/-0.066 χ^2/NDF:51.6/49

Out: -0.032+/-0.058 χ^2/NDF:64.7/53

All: 0.010+/-0.044 χ^2/NDF: 117.5/103

asym_us_avg_at2lr_avg_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 281.681+/-0.053 χ^2/NDF: 2421020.0/26

Left Out: 536.822+/-0.095 χ^2/NDF:3963422.5/23

Right Out: 234.867+/-0.046 χ^2/NDF: 5204488.1/29

Left In: 531.773+/-0.094 χ^2/NDF:3381293.8/22

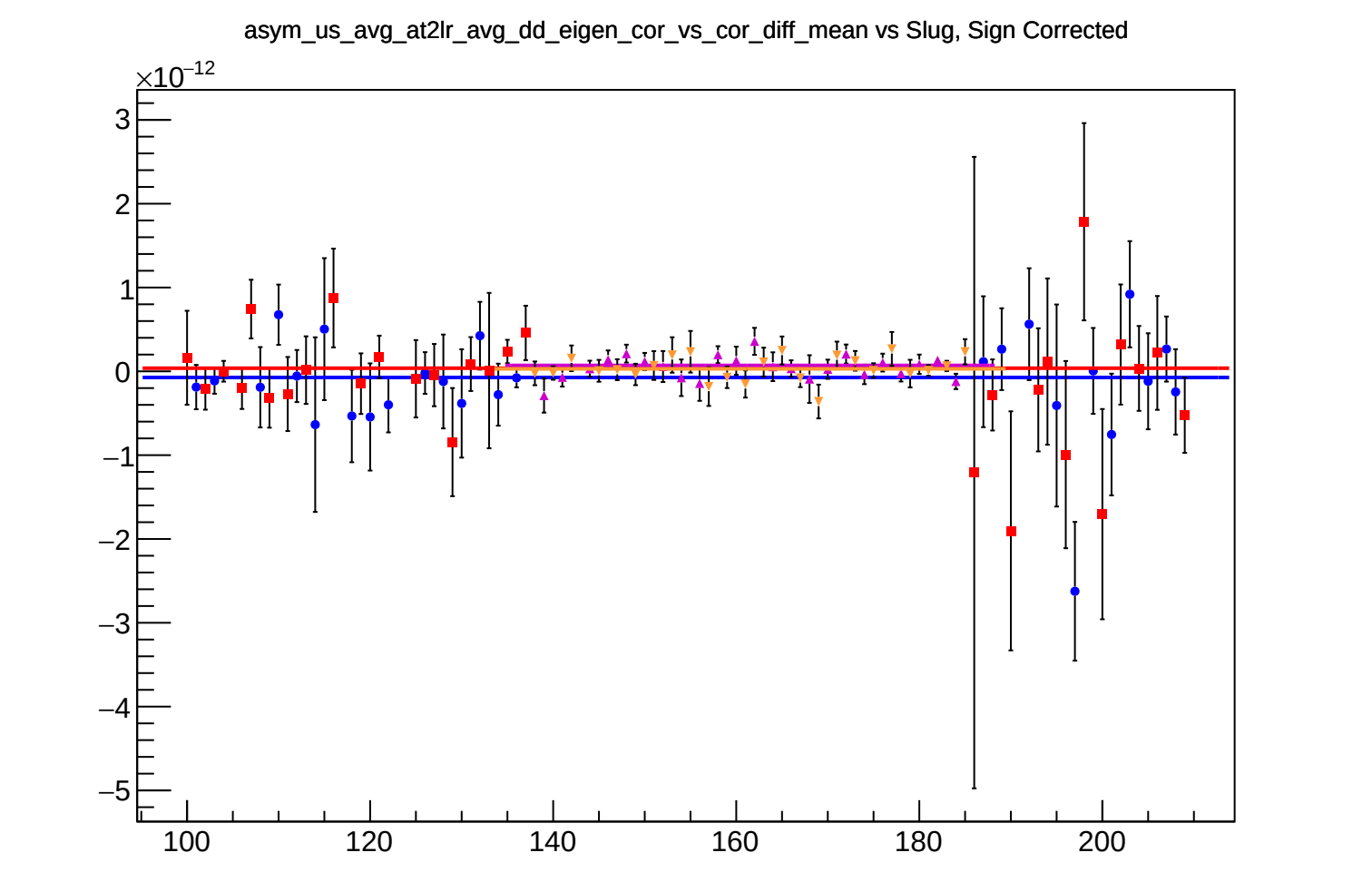
Left: 534.268+/-0.067 χ^2/NDF: 7346152.7/46

Right: 254.719+/-0.035 χ^2/NDF: 8067769.9/56

In: 343.067+/-0.046 χ^2/NDF:11181514.2/49

Out: 292.157+/-0.041 χ^2/NDF:17400209.8/53

All: 314.637+/-0.031 χ^2/NDF: 29253856.7/10



Right In: -0.000+/-0.000 χ^2/NDF: 25.0/26

Left Out: 0.000+/-0.000 χ^2/NDF:17.7/23

Right Out: 0.000+/-0.000 χ^2/NDF: 25.3/29

Left In: 0.000+/-0.000 χ^2/NDF:23.4/22

Left: 0.000+/-0.000 χ^2/NDF: 42.6/46

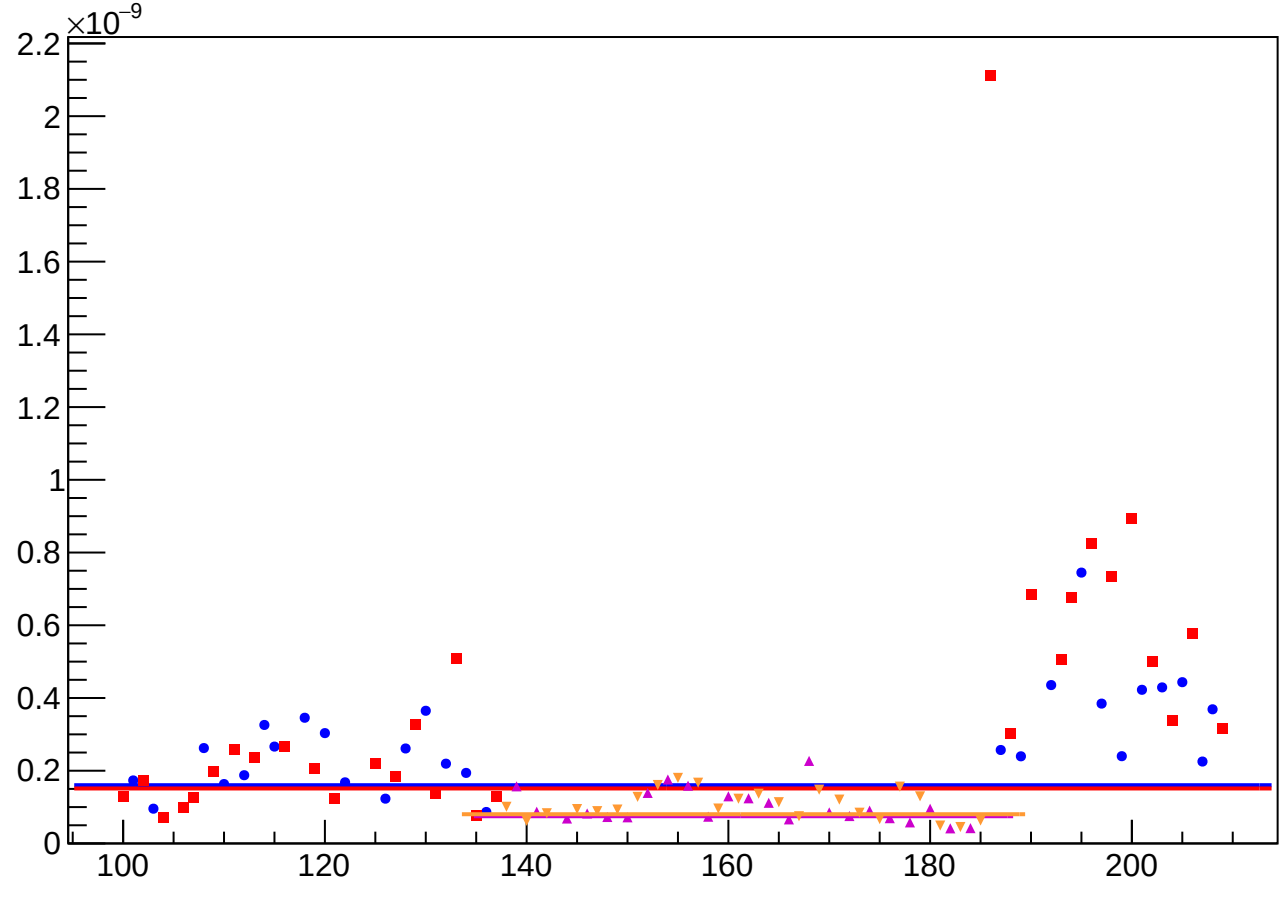
Right: -0.000+/-0.000 χ^2/NDF: 51.9/56

In: 0.000+/-0.000 χ^2/NDF:52.8/49

Out: 0.000+/-0.000 χ^2/NDF:43.0/53

All: 0.000+/-0.000 χ^2/NDF: 96.4/103

asym_us_avg_at2lr_avg_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 4687069.4/26

Left Out: 0.000+/-0.000 χ^2/NDF:3732870.2/23

Right Out: 0.000+/-0.000 χ^2/NDF: 8240746.2/29

Left In: 0.000+/-0.000 χ^2/NDF:3665599.9/22

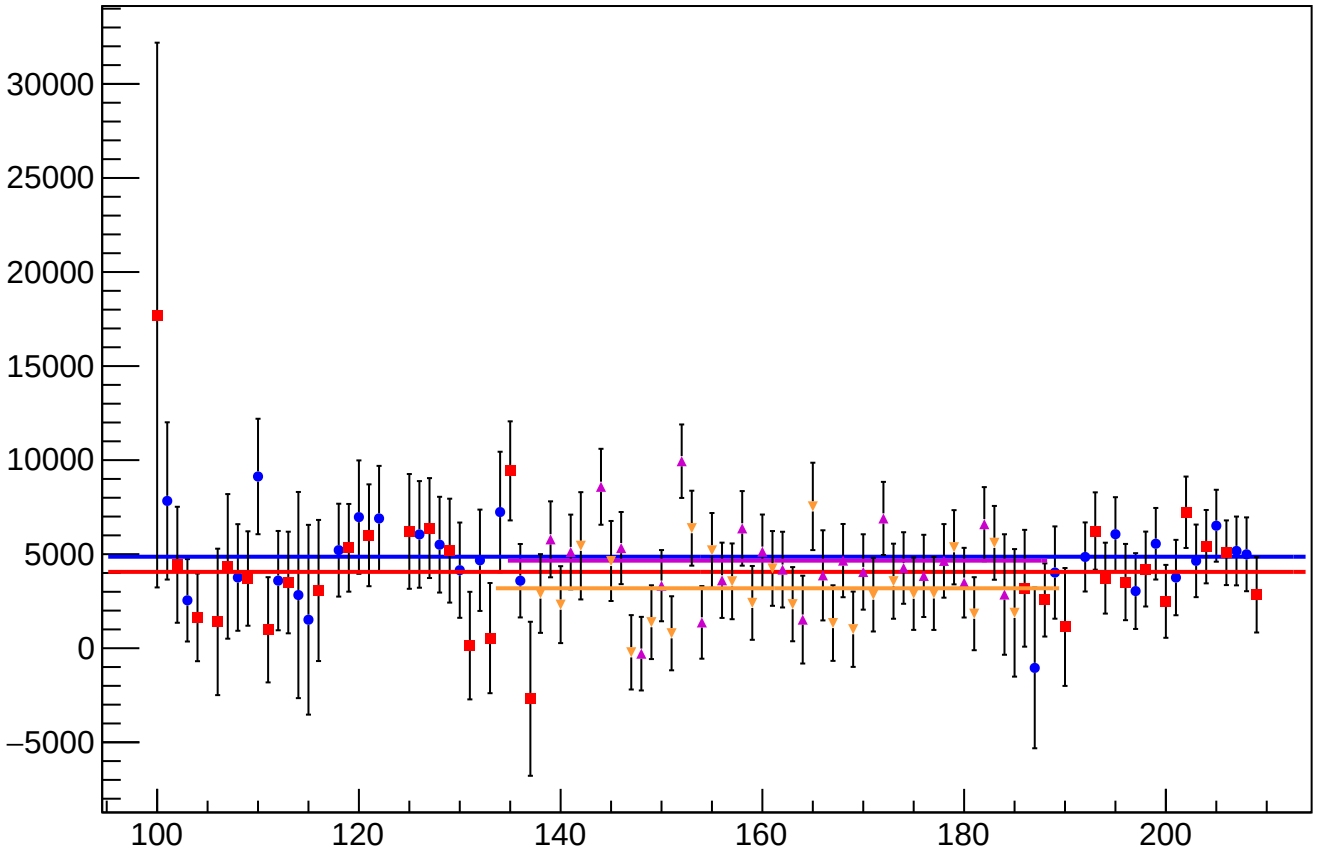
Left: 0.000+/-0.000 χ^2/NDF: 7451186.8/46

Right: 0.000+/-0.000 χ^2/NDF: 12948300.2/56

In: 0.000+/-0.000 χ^2/NDF:11467577.5/49

Out: 0.000+/-0.000 χ^2/NDF:14262648.0/53

All: 0.000+/-0.000 χ^2/NDF: 25786892.7/103



Right In: 4864.530+/-461.468 χ^2/NDF: 11.3/26

Left Out: 3187.125+/-418.619 χ^2/NDF:19.9/23

Right Out: 4058.558+/-449.764 χ^2/NDF: 23.6/29

Left In: 4655.206+/-421.691 χ^2/NDF:27.7/22

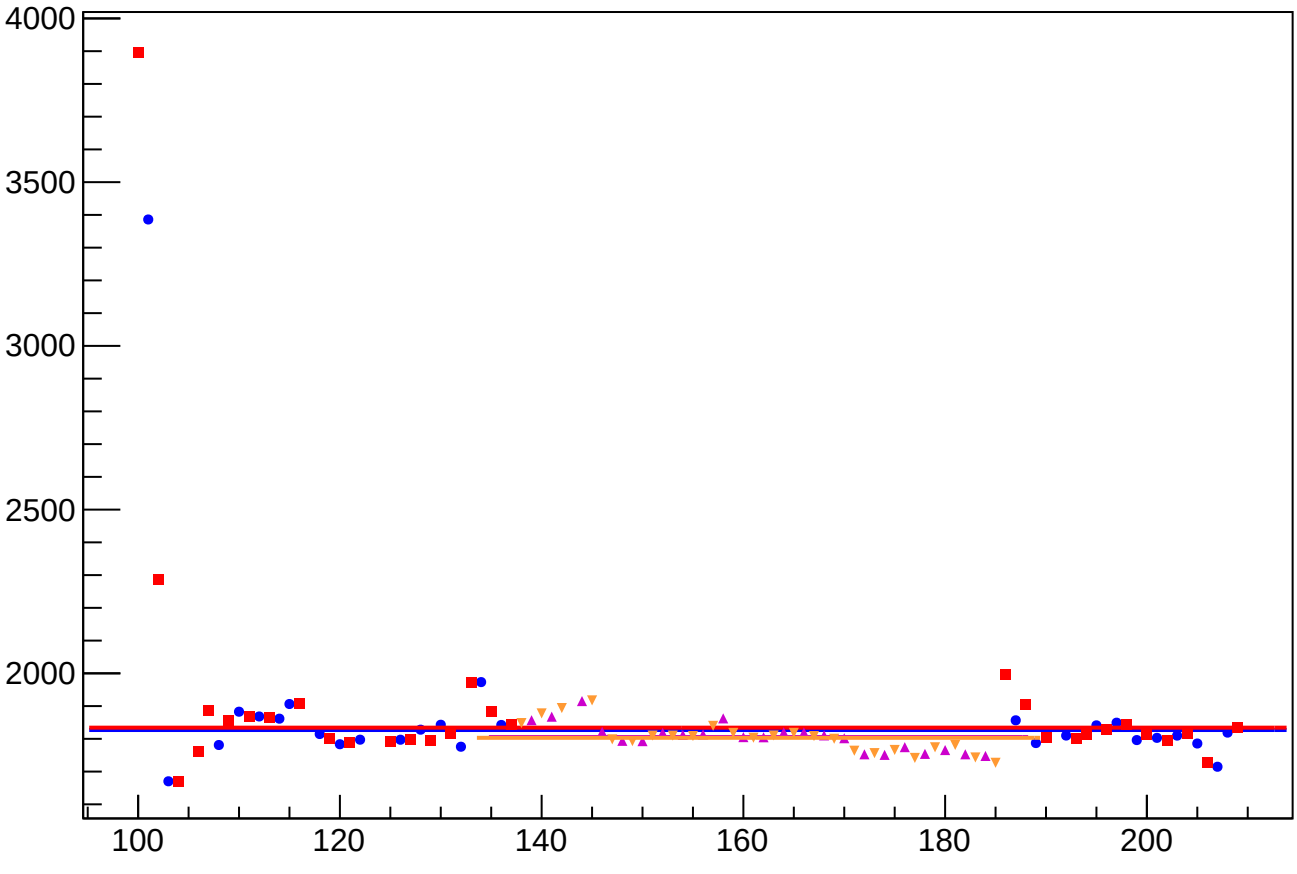
Left: 3915.797+/-297.089 χ^2/NDF: 53.7/46

Right: 4451.193+/-322.089 χ^2/NDF: 36.5/56

In: 4750.459+/-311.295 χ^2/NDF:39.1/49

Out: 3591.627+/-306.428 χ^2/NDF:45.5/53

All: 4161.912+/-218.378 χ^2/NDF: 91.7/103



Right In: 1826.927+/-0.326 χ^2/NDF: 307272.7/26

Left Out: 1803.115+/-0.296 χ^2/NDF:20641.1/23

Right Out: 1834.139+/-0.318 χ^2/NDF: 121393.7/29

Left In: 1805.559+/-0.298 χ^2/NDF:19314.7/22

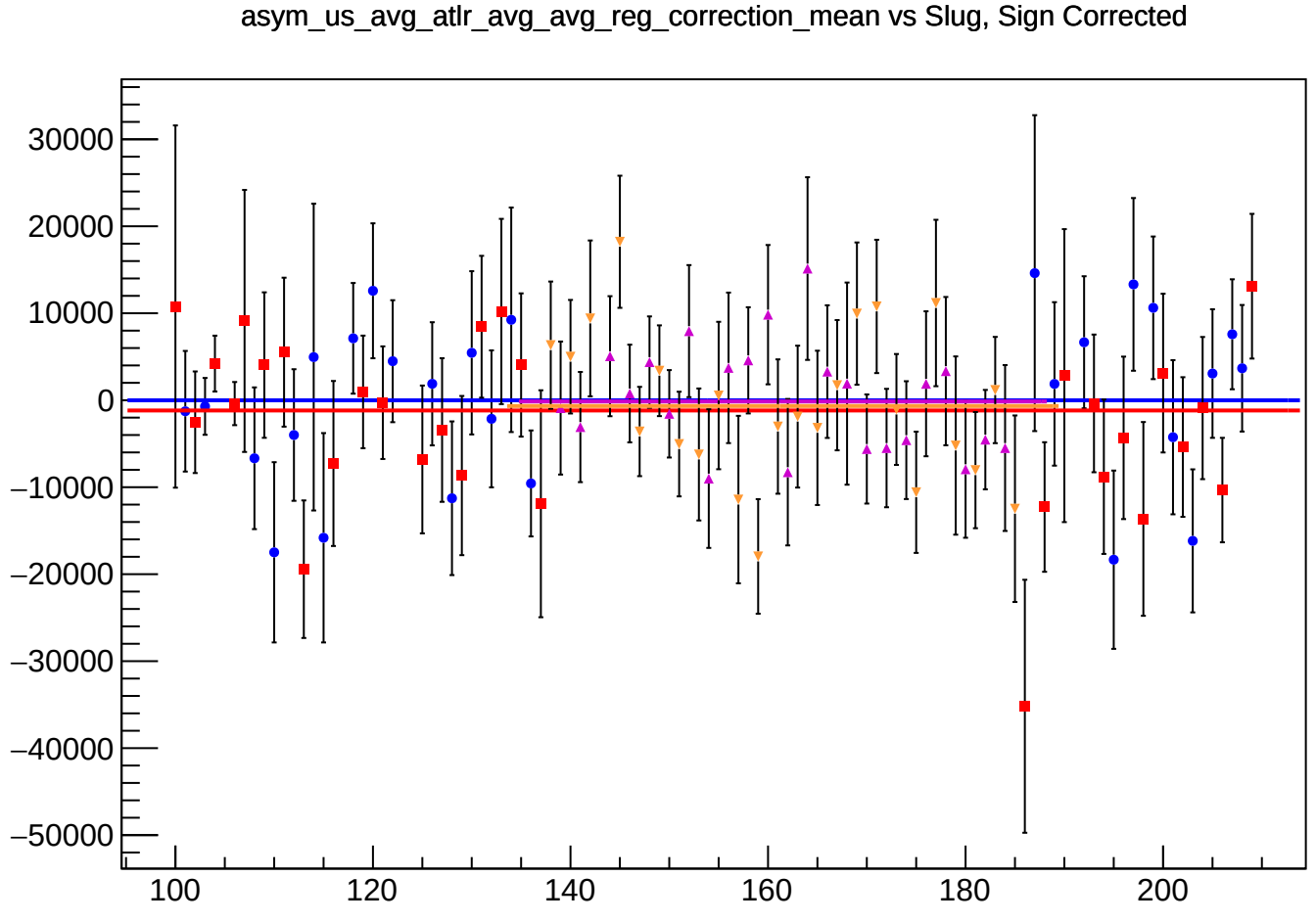
Left: 1804.328+/-0.210 χ^2/NDF: 39989.6/46

Right: 1830.630+/-0.228 χ^2/NDF: 428917.3/56

In: 1815.282+/-0.220 χ^2/NDF:328924.3/49

Out: 1817.535+/-0.217 χ^2/NDF:147140.8/53

All: 1816.427+/-0.154 χ^2/NDF: 476118.3/103



Right In: -6.354+/-1447.501 χ^2/NDF: 29.2/26

Left Out: -667.243+/-1478.798 χ^2/NDF:29.8/23

Right Out: -1178.953+/-1247.686 χ^2/NDF: 31.1/29

Left In: -143.435+/-1471.371 χ^2/NDF:13.6/22

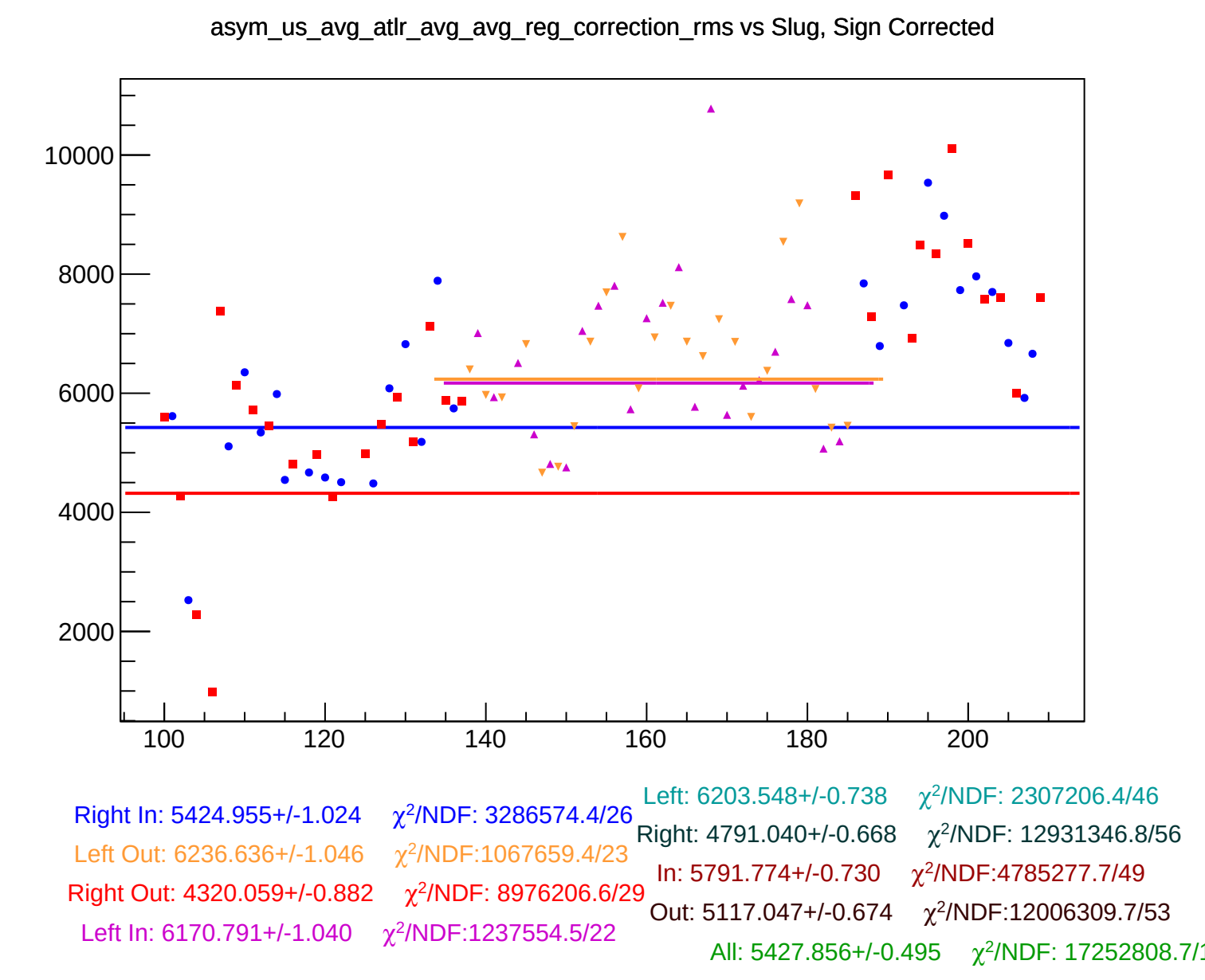
Left: -404.020+/-1043.032 χ^2/NDF: 43.4/46

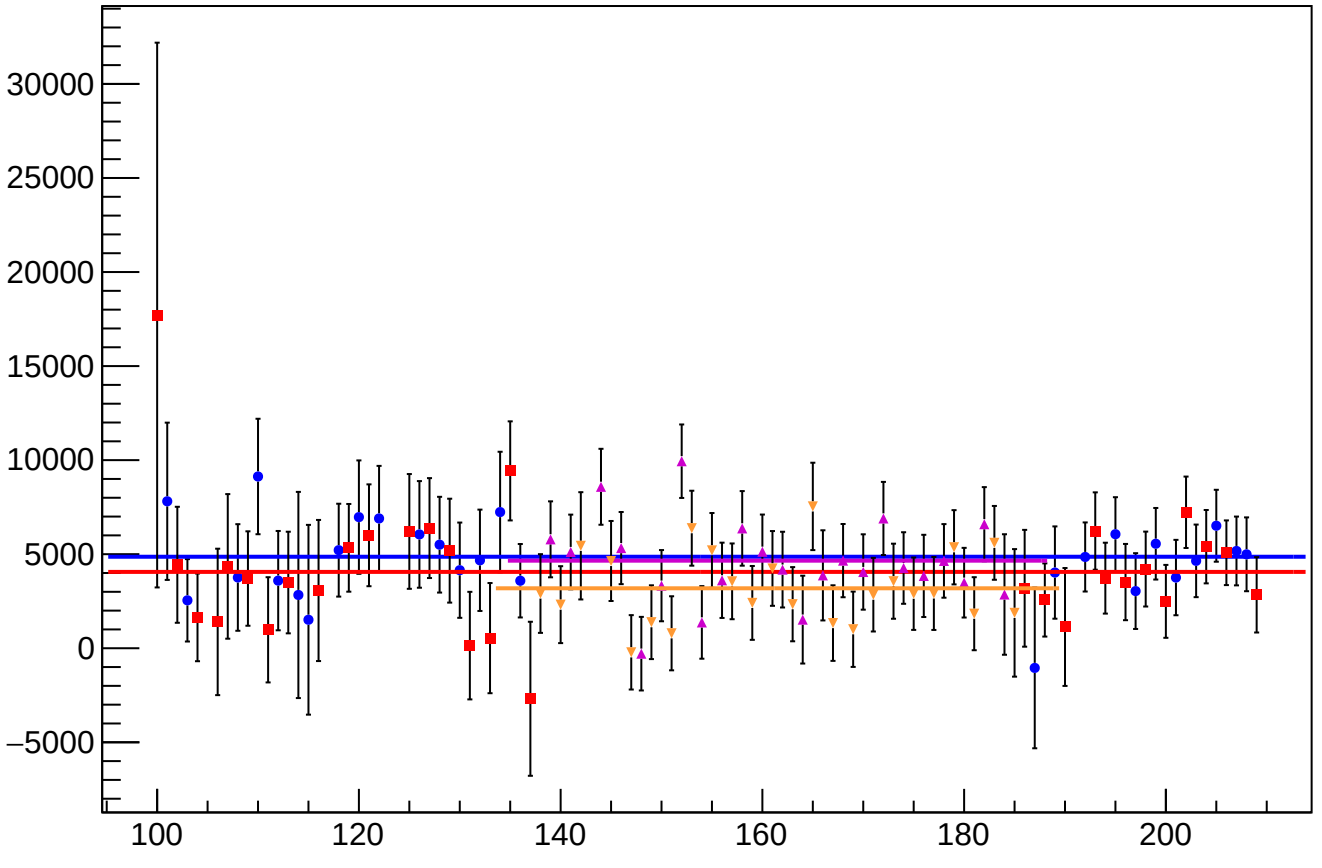
Right: -679.112+/-945.061 χ^2/NDF: 60.6/56

In: -73.773+/-1031.874 χ^2/NDF:42.7/49

Out: -966.164+/-953.612 χ^2/NDF:60.9/53

All: -555.090+/-700.341 χ^2/NDF: 104.1/103


asym_us_avg_atlr_avg_avg_reg_correction_rms vs Slug, Sign Corrected
10000
8000
6000
4000
2000
100
120
140
160
180
200
Right In: 5424.955+/-1.024 χ²/NDF: 3286574.4/26
Left Out: 6236.636+/-1.046 χ²/NDF:1067659.4/23
Right Out: 4320.059+/-0.882 χ²/NDF: 8976206.6/29
Left In: 6170.791+/-1.040 χ²/NDF:1237554.5/22
Left: 6203.548+/-0.738 χ²/NDF: 2307206.4/46
Right: 4791.040+/-0.668 χ²/NDF: 12931346.8/56
In: 5791.774+/-0.730 χ²/NDF:4785277.7/49
Out: 5117.047+/-0.674 χ²/NDF:12006309.7/53
All: 5427.856+/-0.495 χ²/NDF: 17252808.7/



Right In: 4864.349+/-461.468 χ^2/NDF: 11.3/26

Left Out: 3187.056+/-418.619 χ^2/NDF:19.9/23

Right Out: 4058.451+/-449.764 χ^2/NDF: 23.6/29

Left In: 4655.225+/-421.691 χ^2/NDF:27.7/22

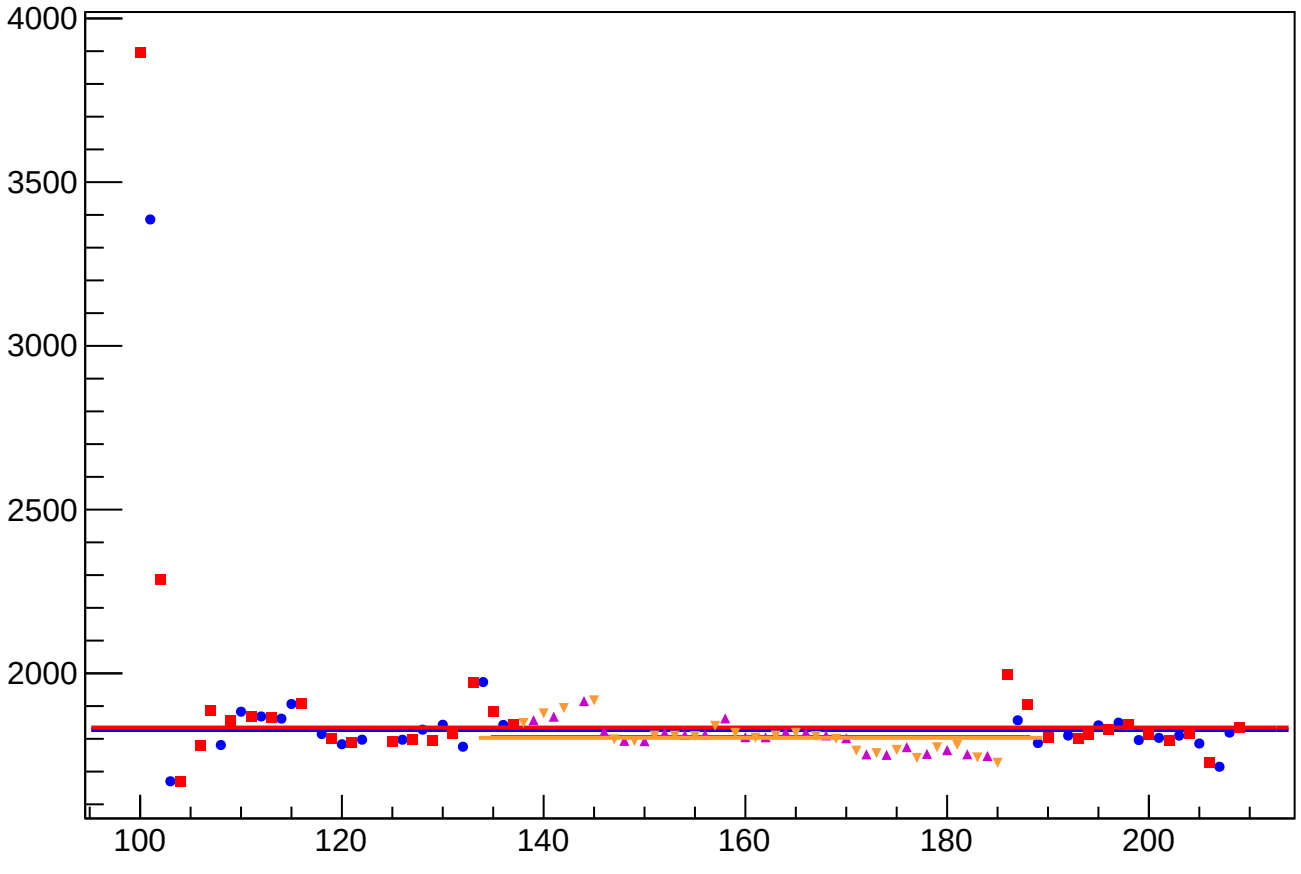
Left: 3915.772+/-297.089 χ^2/NDF: 53.7/46

Right: 4451.051+/-322.089 χ^2/NDF: 36.5/56

In: 4750.387+/-311.295 χ^2/NDF:39.1/49

Out: 3591.541+/-306.428 χ^2/NDF:45.5/53

All: 4161.833+/-218.378 χ^2/NDF: 91.7/103



Right In: 1826.927+/-0.326 χ^2/NDF: 307274.6/26

Left Out: 1803.115+/-0.296 χ^2/NDF:20641.1/23

Right Out: 1834.430+/-0.318 χ^2/NDF: 121037.1/29

Left In: 1805.559+/-0.298 χ^2/NDF:19314.6/22

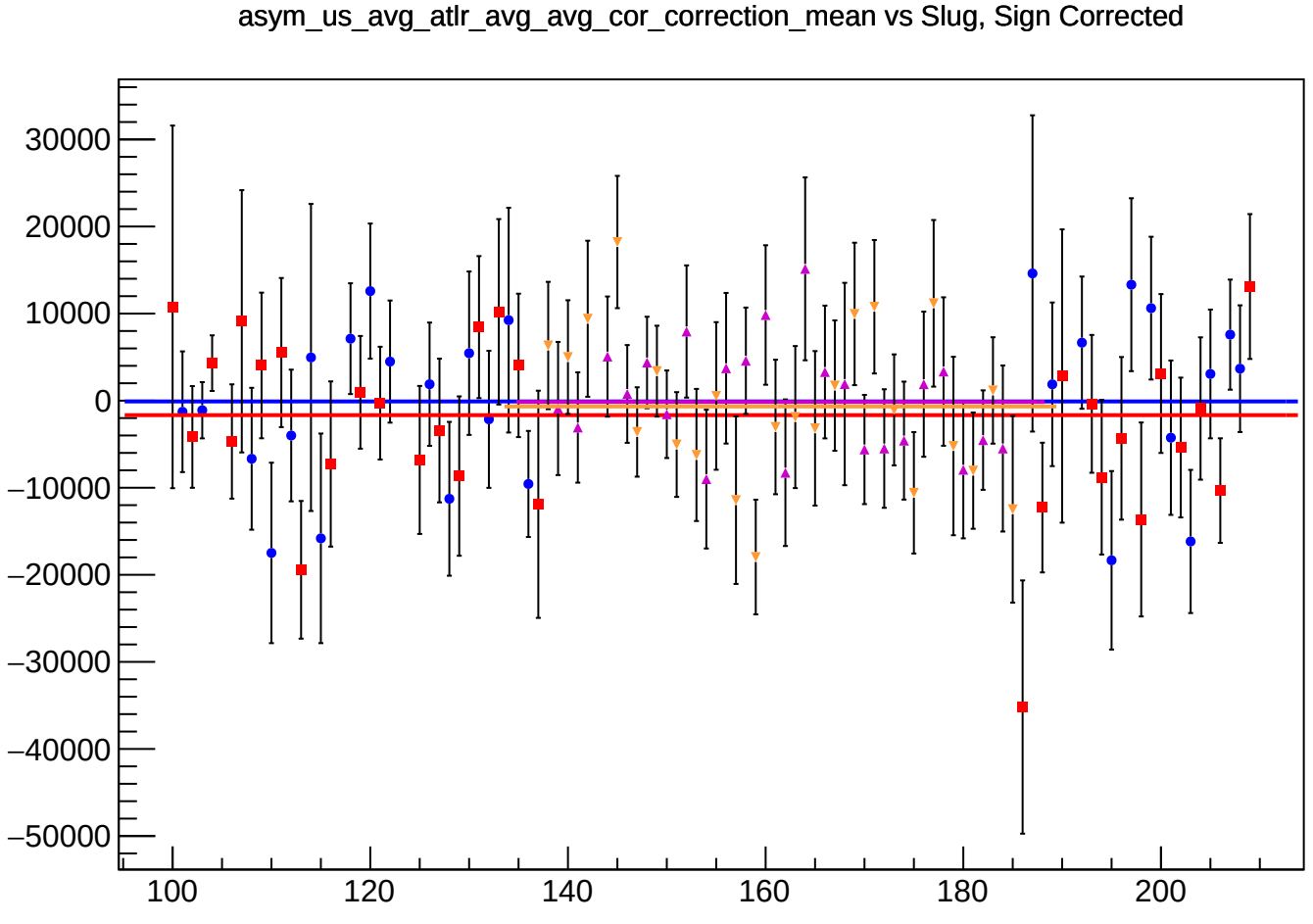
Left: 1804.328+/-0.210 χ^2/NDF: 39989.6/46

Right: 1830.779+/-0.228 χ^2/NDF: 428583.2/56

In: 1815.282+/-0.220 χ^2/NDF:328926.1/49

Out: 1817.668+/-0.217 χ^2/NDF:146879.6/53

All: 1816.495+/-0.154 χ^2/NDF: 475865.5/103



Right In: -88.926+/-1444.013 χ^2/NDF: 29.2/26

Left Out: -667.245+/-1478.798 χ^2/NDF:29.8/23

Right Out: -1662.404+/-1408.374 χ^2/NDF: 31.5/29

Left In: -143.369+/-1471.371 χ^2/NDF:13.6/22

Left: -403.988+/-1043.032 χ^2/NDF: 43.4/46

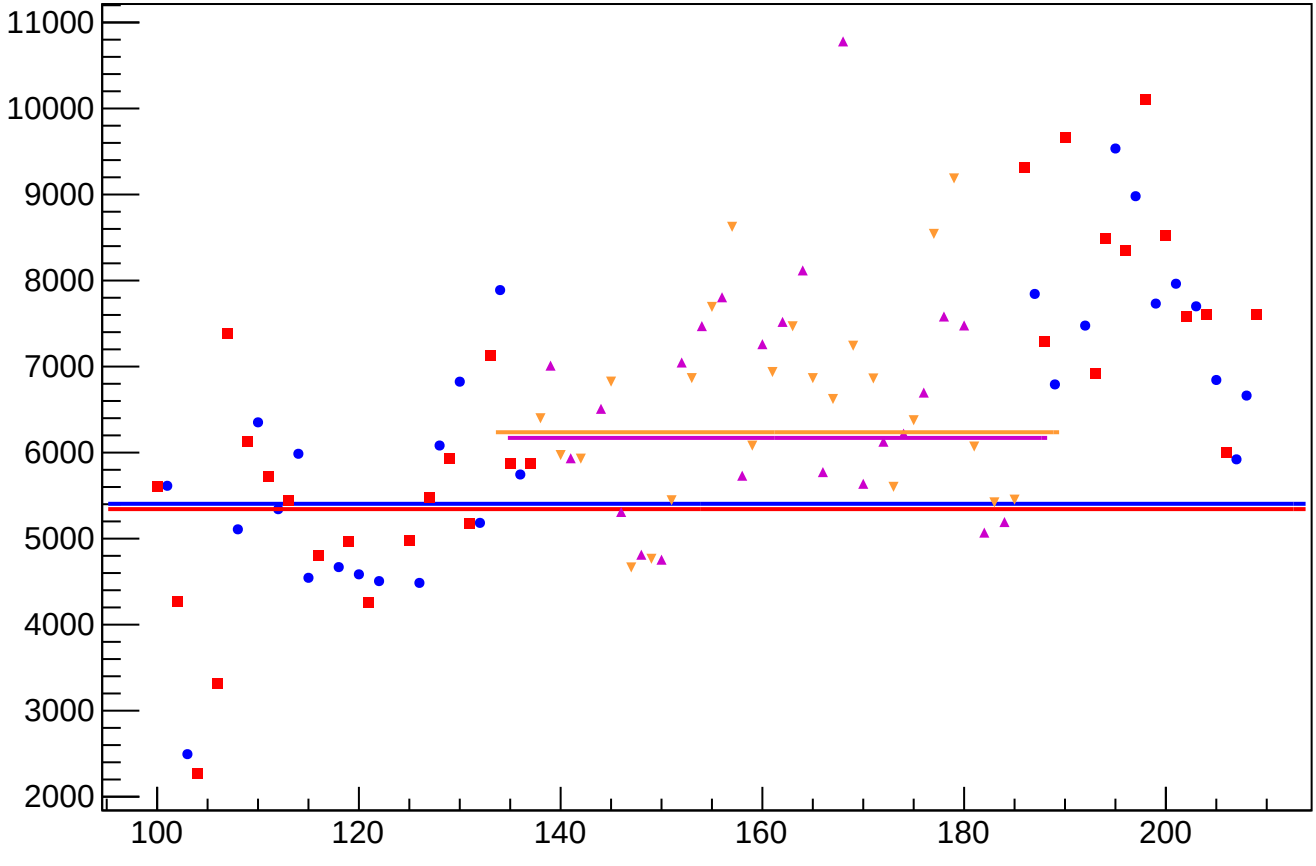
Right: -895.321+/-1008.235 χ^2/NDF: 61.3/56

In: -115.637+/-1030.608 χ^2/NDF:42.8/49

Out: -1189.084+/-1019.859 χ^2/NDF:61.5/53

All: -657.987+/-724.919 χ^2/NDF: 104.8/103

asym_us_avg_atlr_avg_avg_cor_correction_rms vs Slug, Sign Corrected



Right In: 5404.822+/-1.021 χ^2/NDF: 3359313.9/26

Left Out: 6236.635+/-1.046 χ^2/NDF:1067665.4/23

Right Out: 5343.031+/-0.996 χ^2/NDF: 4363936.1/29

Left In: 6170.789+/-1.040 χ^2/NDF:1237564.5/22

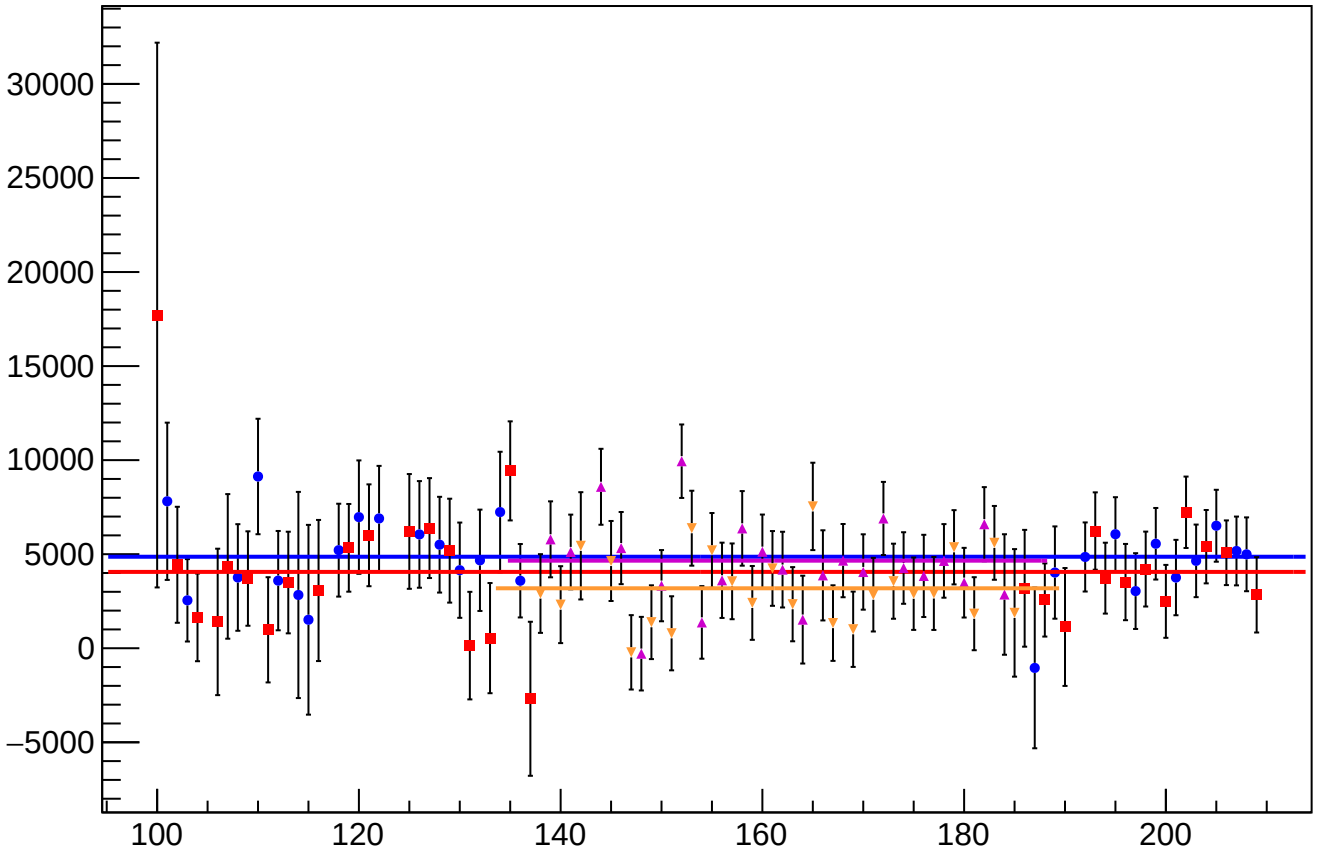
Left: 6203.546+/-0.738 χ^2/NDF: 2307222.5/46

Right: 5373.155+/-0.713 χ^2/NDF: 7725126.8/56

In: 5780.618+/-0.729 χ^2/NDF:4872967.9/49

Out: 5768.049+/-0.721 χ^2/NDF:5814555.2/53

All: 5774.268+/-0.513 χ^2/NDF: 10687673.4/1



Right In: 4864.349+/-461.468 χ^2/NDF: 11.3/26

Left Out: 3187.056+/-418.619 χ^2/NDF:19.9/23

Right Out: 4058.451+/-449.764 χ^2/NDF: 23.6/29

Left In: 4655.225+/-421.691 χ^2/NDF:27.7/22

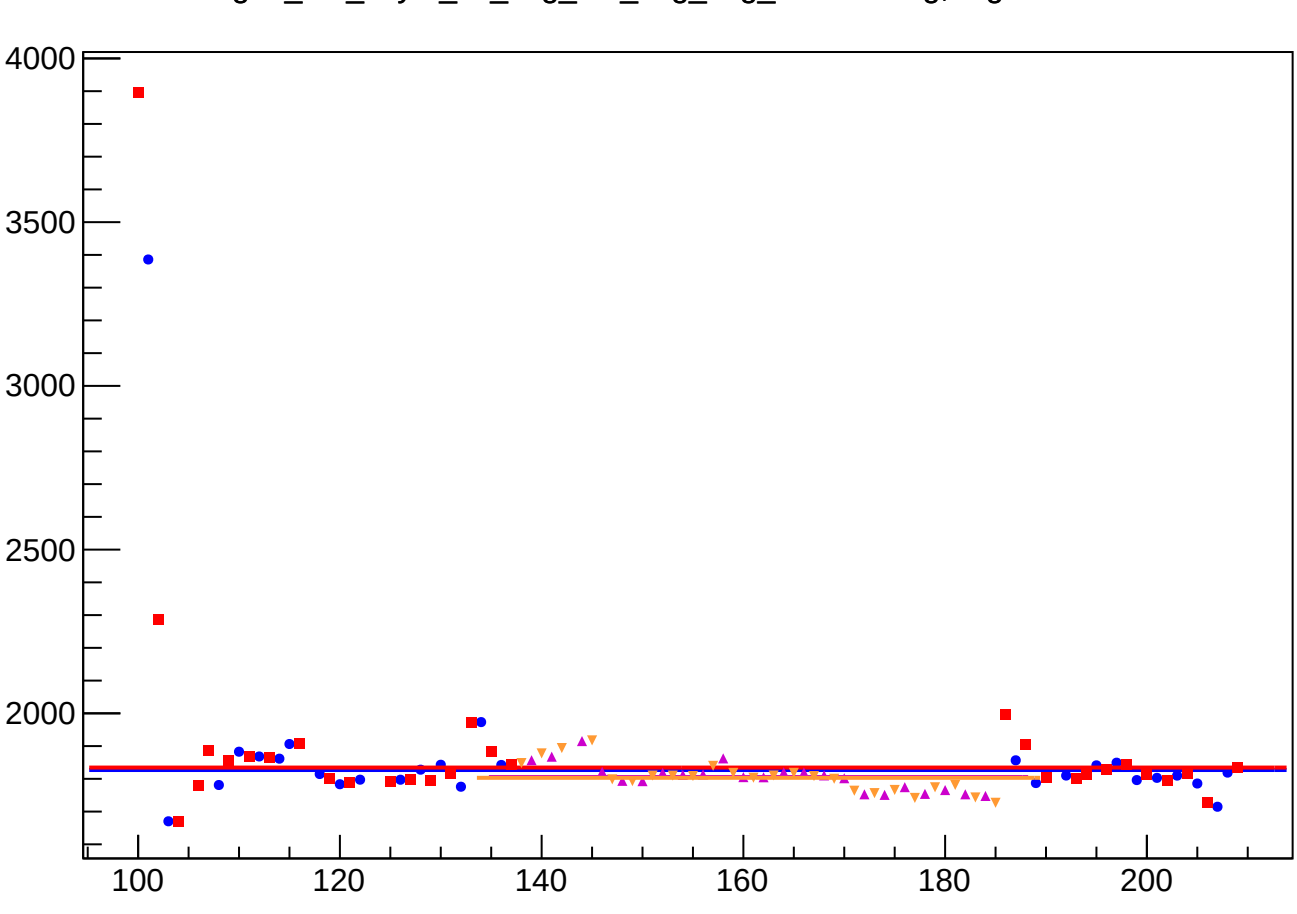
Left: 3915.772+/-297.089 χ^2/NDF: 53.7/46

Right: 4451.051+/-322.089 χ^2/NDF: 36.5/56

In: 4750.387+/-311.295 χ^2/NDF:39.1/49

Out: 3591.541+/-306.428 χ^2/NDF:45.5/53

All: 4161.833+/-218.378 χ^2/NDF: 91.7/103



Right In: 1826.927+/-0.326 χ^2/NDF: 307274.6/26

Left Out: 1803.115+/-0.296 χ^2/NDF:20641.1/23

Right Out: 1834.430+/-0.318 χ^2/NDF: 121037.1/29

Left In: 1805.559+/-0.298 χ^2/NDF:19314.6/22

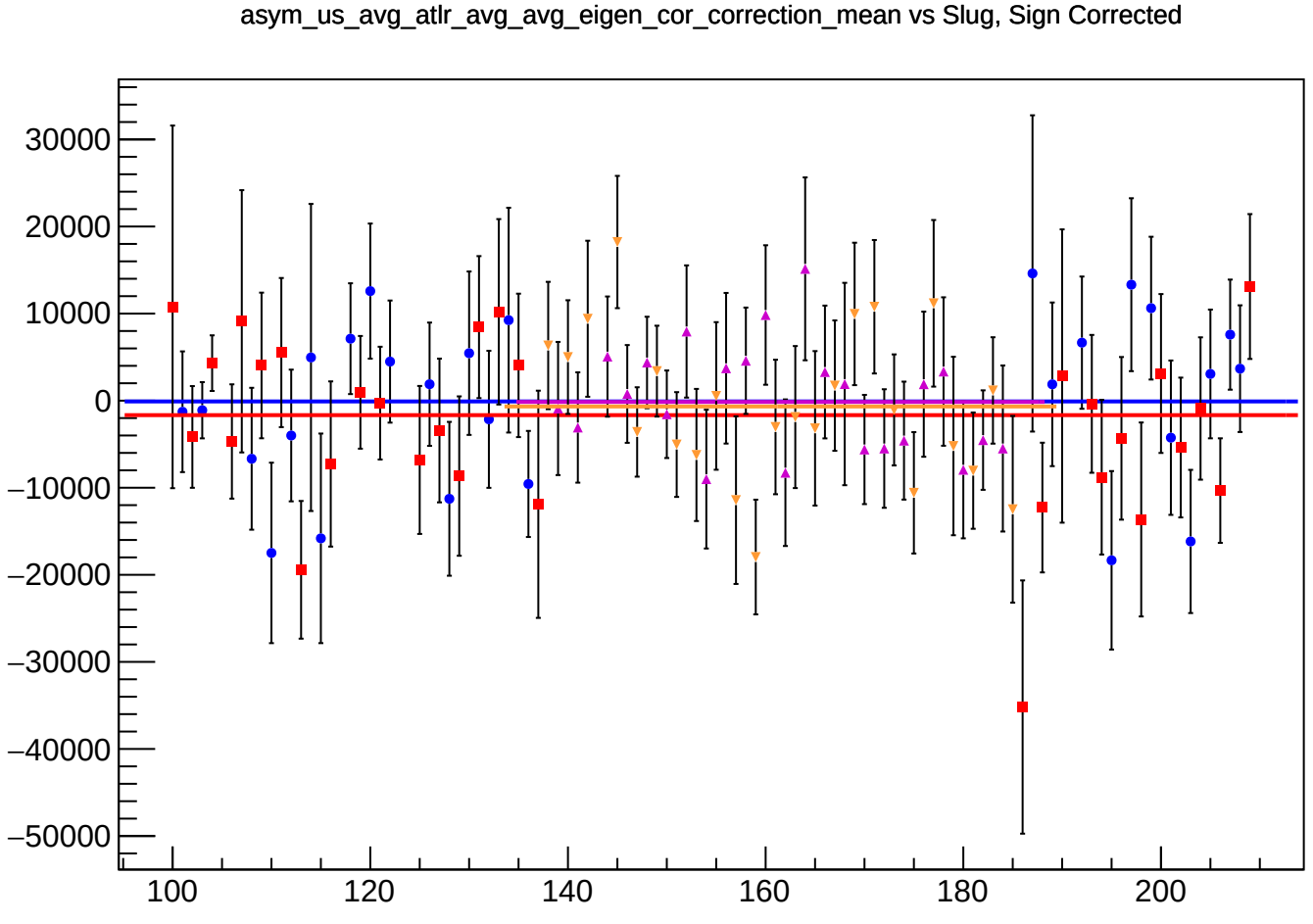
Left: 1804.328+/-0.210 χ^2/NDF: 39989.6/46

Right: 1830.779+/-0.228 χ^2/NDF: 428583.2/56

In: 1815.282+/-0.220 χ^2/NDF:328926.1/49

Out: 1817.668+/-0.217 χ^2/NDF:146879.6/53

All: 1816.495+/-0.154 χ^2/NDF: 475865.5/103



Right In: -88.926+/-1444.013 χ^2/NDF: 29.2/26

Left Out: -667.245+/-1478.798 χ^2/NDF:29.8/23

Right Out: -1662.404+/-1408.374 χ^2/NDF: 31.5/29

Left In: -143.369+/-1471.371 χ^2/NDF:13.6/22

Left: -403.988+/-1043.032 χ^2/NDF: 43.4/46

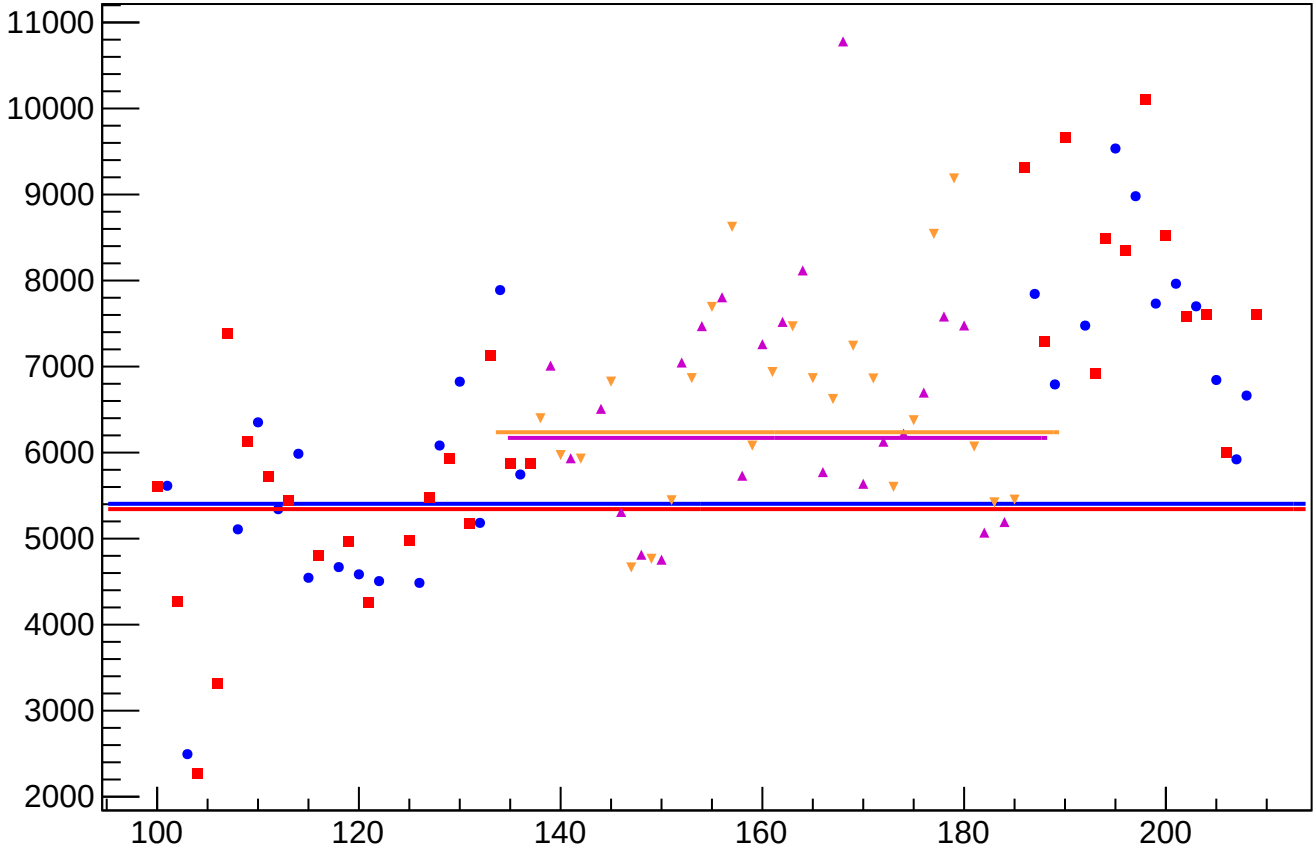
Right: -895.321+/-1008.235 χ^2/NDF: 61.3/56

In: -115.637+/-1030.608 χ^2/NDF:42.8/49

Out: -1189.084+/-1019.859 χ^2/NDF:61.5/53

All: -657.987+/-724.919 χ^2/NDF: 104.8/103

asym_us_avg_atlr_avg_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 5404.822+/-1.021 χ^2/NDF: 3359313.9/26

Left Out: 6236.635+/-1.046 χ^2/NDF:1067665.4/23

Right Out: 5343.031+/-0.996 χ^2/NDF: 4363936.1/29

Left In: 6170.789+/-1.040 χ^2/NDF:1237564.5/22

Left: 6203.546+/-0.738 χ^2/NDF: 2307222.5/46

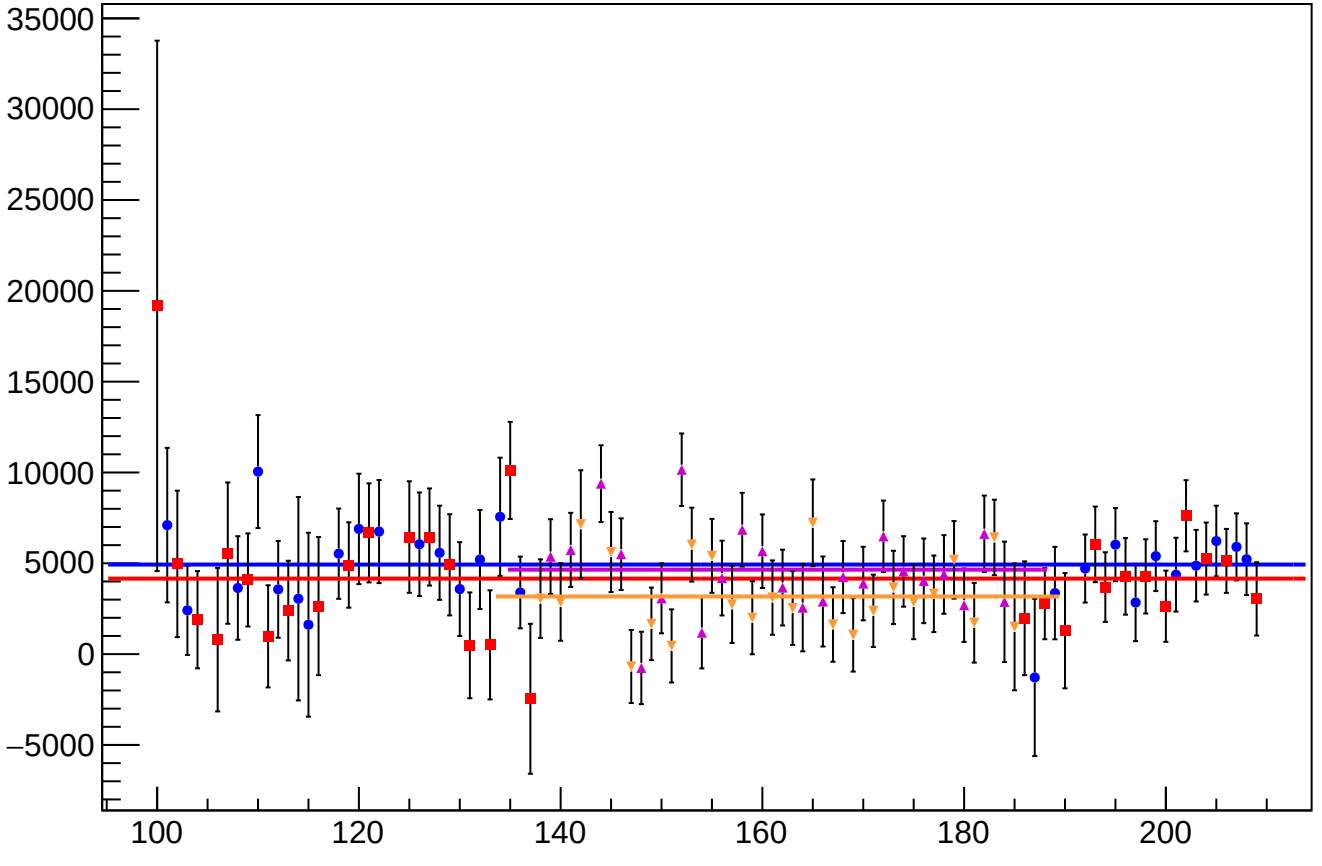
Right: 5373.155+/-0.713 χ^2/NDF: 7725126.8/56

In: 5780.618+/-0.729 χ^2/NDF:4872967.9/49

Out: 5768.049+/-0.721 χ^2/NDF:5814555.2/53

All: 5774.268+/-0.513 χ^2/NDF: 10687673.4/1

dit_asym_us_avg_atlr_avg_avg_mean vs Slug, Sign Corrected



Right In: 4931.051+/-471.048 χ^2/NDF: 12.3/26

Left Out: 3174.550+/-434.815 χ^2/NDF:21.6/23

Right Out: 4157.084+/-460.877 χ^2/NDF: 24.8/29

Left In: 4650.461+/-436.198 χ^2/NDF:30.5/22

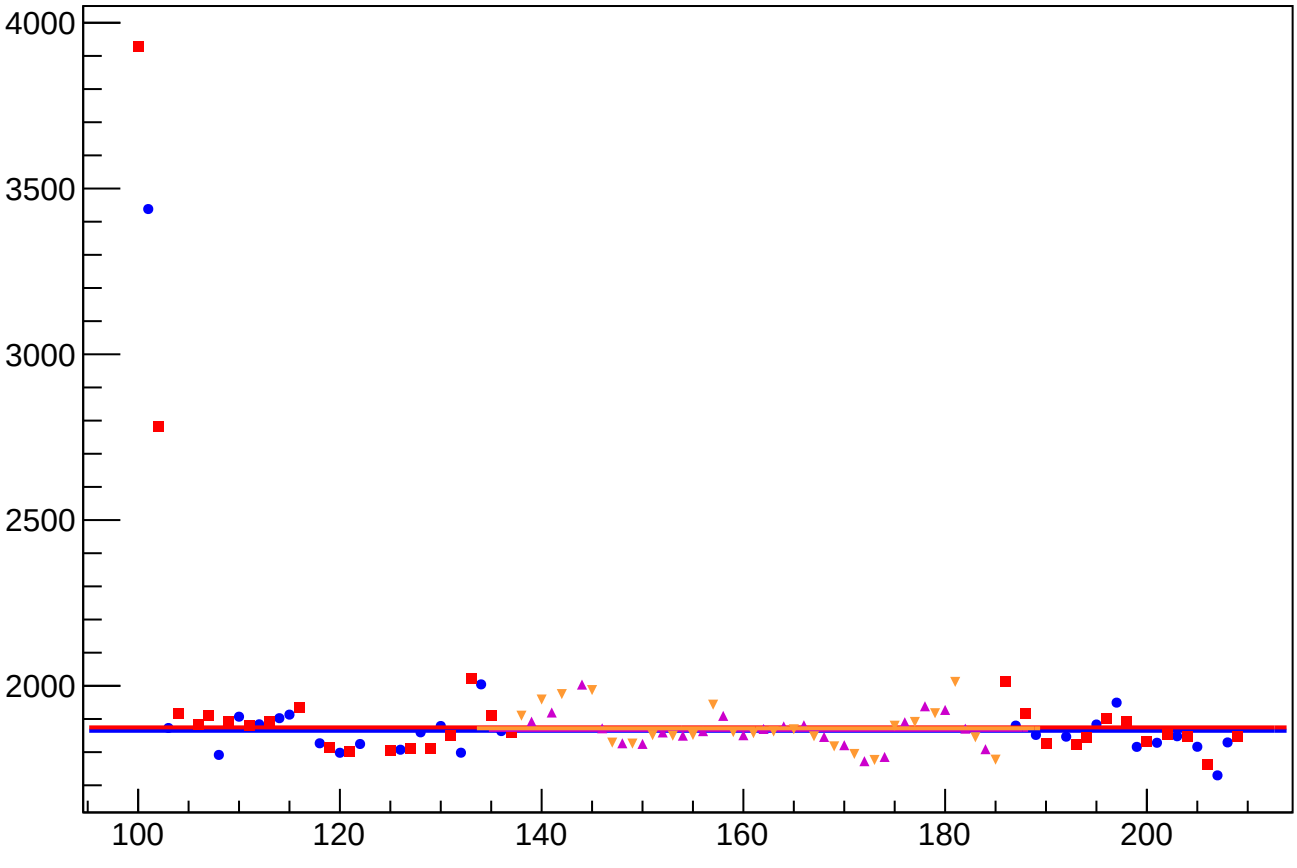
Left: 3910.162+/-307.948 χ^2/NDF: 57.8/46

Right: 4535.621+/-329.426 χ^2/NDF: 38.4/56

In: 4779.994+/-320.051 χ^2/NDF:43.0/49

Out: 3637.252+/-316.273 χ^2/NDF:48.7/53

All: 4201.839+/-224.962 χ^2/NDF: 98.2/103



Right In: 1864.405+/-0.333 χ^2/NDF: 301596.1/26

Left Out: 1871.979+/-0.307 χ^2/NDF:37154.8/23

Right Out: 1874.656+/-0.326 χ^2/NDF: 170879.2/29

Left In: 1867.079+/-0.308 χ^2/NDF:27246.7/22

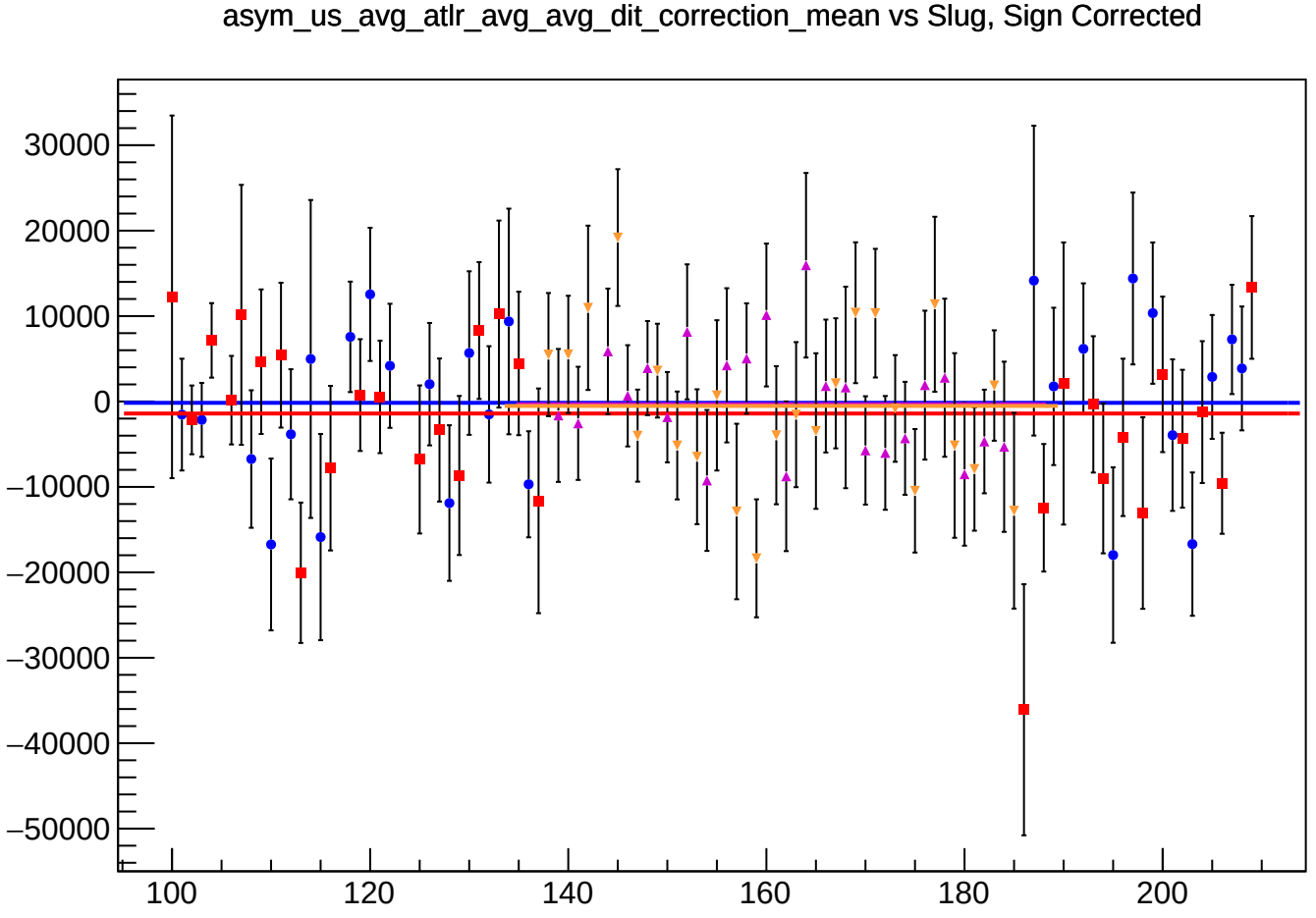
Left: 1869.537+/-0.218 χ^2/NDF: 64528.1/46

Right: 1869.645+/-0.233 χ^2/NDF: 472959.4/56

In: 1865.845+/-0.226 χ^2/NDF:328877.4/49

Out: 1873.241+/-0.224 χ^2/NDF:208069.7/53

All: 1869.587+/-0.159 χ^2/NDF: 537487.6/103



Right In: -154.627+/-1519.037 χ^2/NDF: 29.1/26

Left Out: -520.262+/-1536.784 χ^2/NDF:29.2/23

Right Out: -1408.675+/-1413.581 χ^2/NDF: 31.8/29

Left In: -324.625+/-1527.995 χ^2/NDF:13.4/22

Left: -421.882+/-1083.550 χ^2/NDF: 42.6/46

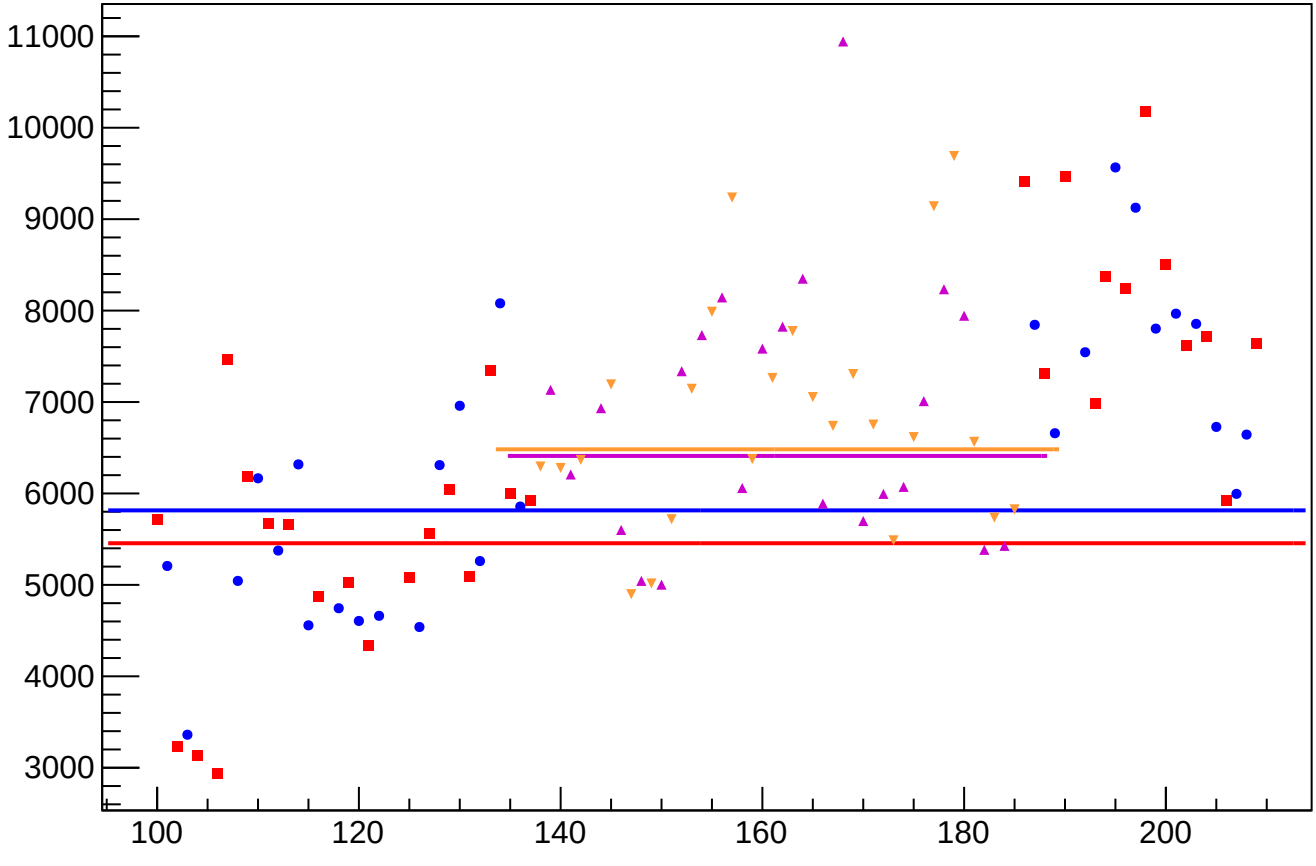
Right: -826.688+/-1034.827 χ^2/NDF: 61.2/56

In: -239.126+/-1077.274 χ^2/NDF:42.5/49

Out: -1001.503+/-1040.386 χ^2/NDF:61.2/53

All: -633.591+/-748.365 χ^2/NDF: 103.9/103

asym_us_avg_atlr_avg_avg_dit_correction_rms vs Slug, Sign Corrected



Right In: 5814.958+/-1.074 χ^2/NDF: 2067998.9/26

Left Out: 6482.730+/-1.087 χ^2/NDF:1074584.9/23

Right Out: 5455.598+/-1.000 χ^2/NDF: 3748332.3/29

Left In: 6410.419+/-1.080 χ^2/NDF:1219830.0/22

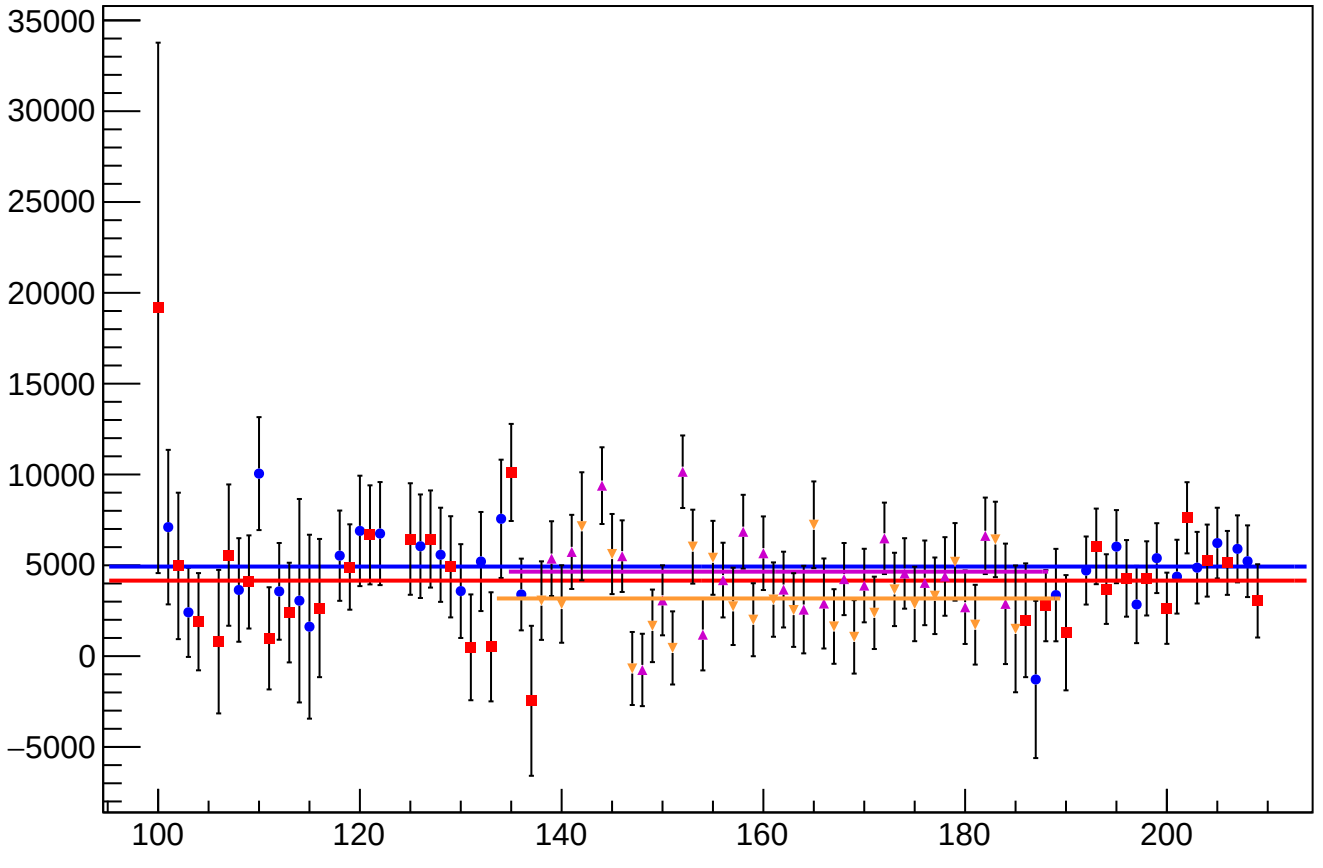
Left: 6446.367+/-0.766 χ^2/NDF: 2296641.6/46

Right: 5622.372+/-0.732 χ^2/NDF: 5876316.9/56

In: 6110.938+/-0.762 χ^2/NDF:3440588.7/49

Out: 5926.347+/-0.736 χ^2/NDF:5306871.5/53

All: 6015.428+/-0.529 χ^2/NDF: 8777843.6/10



Right In: 4931.048+/-471.048 χ^2/NDF: 12.3/26

Left Out: 3174.543+/-434.815 χ^2/NDF:21.6/23

Right Out: 4157.080+/-460.877 χ^2/NDF: 24.8/29

Left In: 4650.462+/-436.198 χ^2/NDF:30.5/22

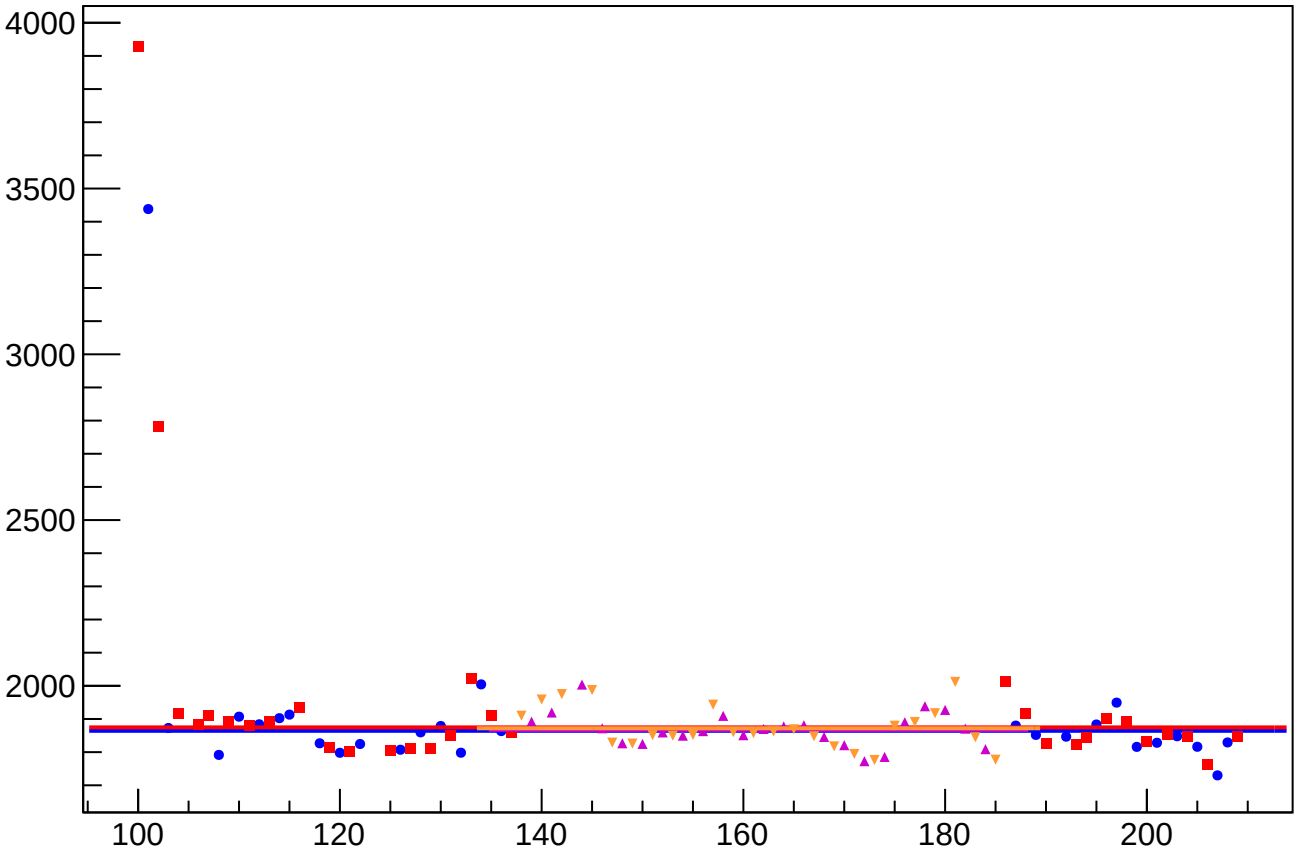
Left: 3910.160+/-307.949 χ^2/NDF: 57.8/46

Right: 4535.618+/-329.426 χ^2/NDF: 38.4/56

In: 4779.993+/-320.051 χ^2/NDF:43.0/49

Out: 3637.248+/-316.273 χ^2/NDF:48.7/53

All: 4201.837+/-224.963 χ^2/NDF: 98.2/103



Right In: 1864.405+/-0.333 χ^2/NDF: 301596.1/26

Left Out: 1871.981+/-0.307 χ^2/NDF:37155.9/23

Right Out: 1874.656+/-0.326 χ^2/NDF: 170878.2/29

Left In: 1867.080+/-0.308 χ^2/NDF:27247.8/22

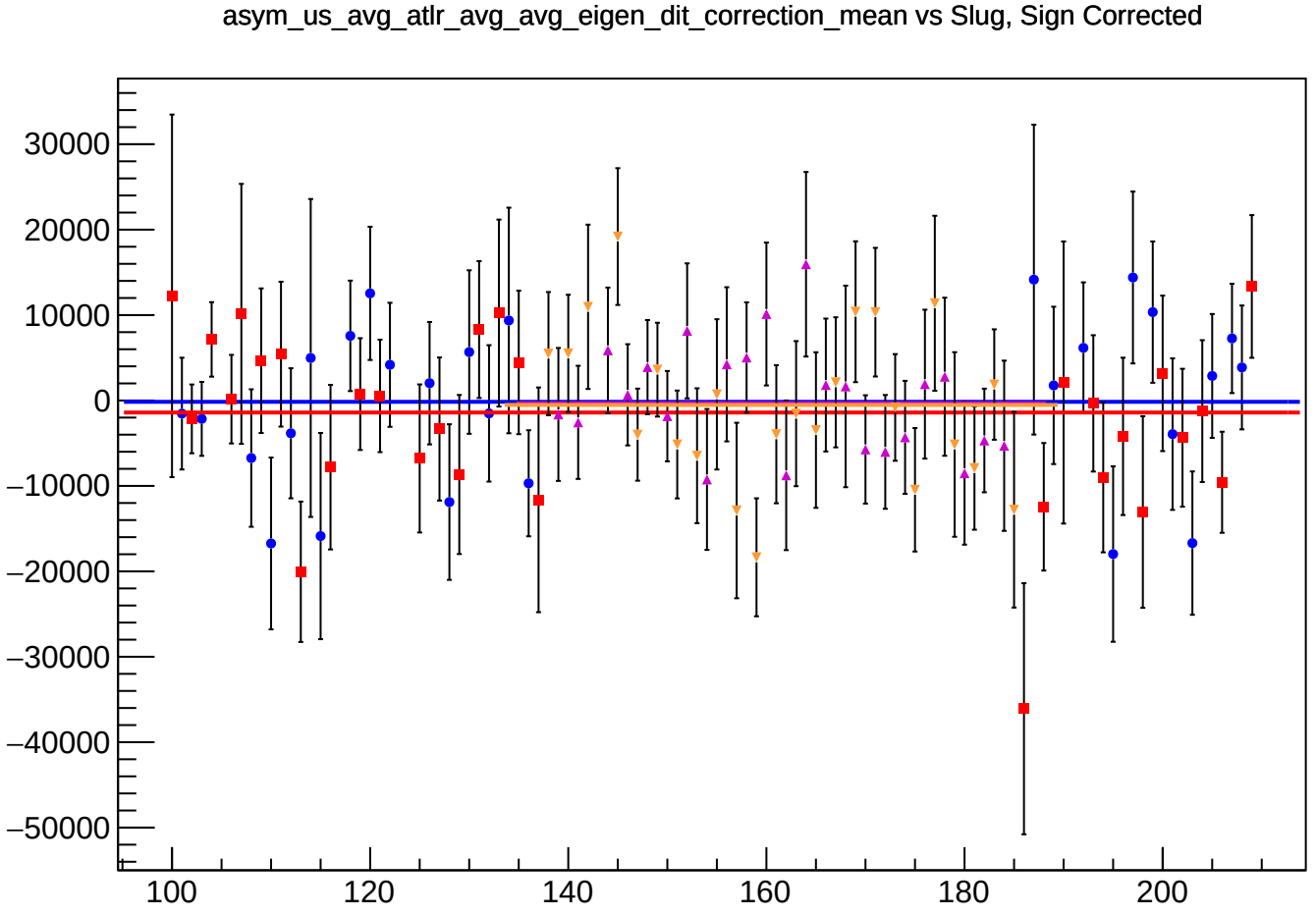
Left: 1869.538+/-0.218 χ^2/NDF: 64530.3/46

Right: 1869.645+/-0.233 χ^2/NDF: 472958.5/56

In: 1865.845+/-0.226 χ^2/NDF:328878.7/49

Out: 1873.241+/-0.224 χ^2/NDF:208069.8/53

All: 1869.588+/-0.159 χ^2/NDF: 537489.0/103



Right In: -154.625+/-1519.035 χ^2/NDF: 29.1/26

Left Out: -520.268+/-1536.787 χ^2/NDF:29.2/23

Right Out: -1408.667+/-1413.579 χ^2/NDF: 31.8/29

Left In: -324.626+/-1527.998 χ^2/NDF:13.4/22

Left: -421.886+/-1083.552 χ^2/NDF: 42.6/46

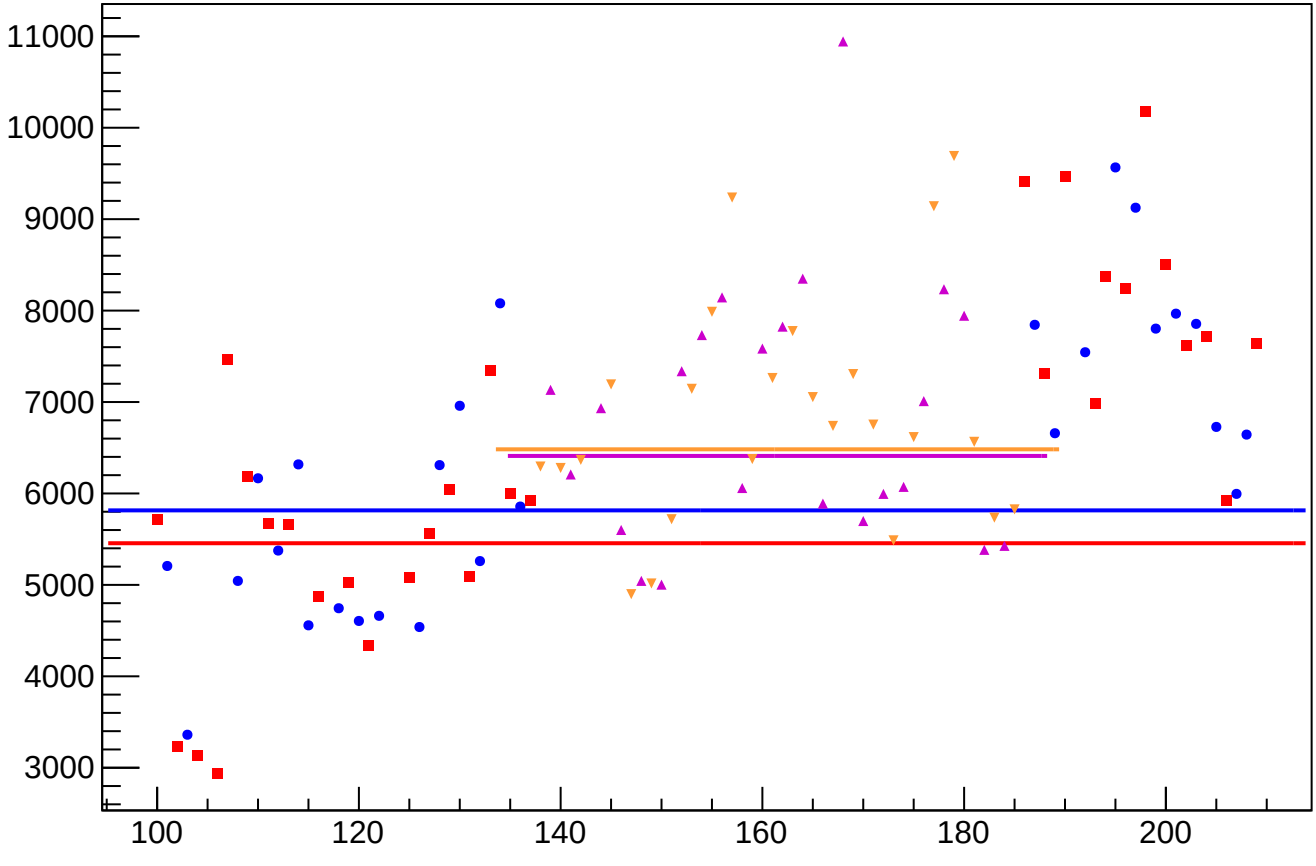
Right: -826.683+/-1034.826 χ^2/NDF: 61.2/56

In: -239.126+/-1077.275 χ^2/NDF:42.5/49

Out: -1001.503+/-1040.386 χ^2/NDF:61.2/53

All: -633.590+/-748.365 χ^2/NDF: 103.9/103

asym_us_avg_atlr_avg_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 5814.950+/-1.074 χ^2/NDF: 2068025.3/26

Left Out: 6482.740+/-1.087 χ^2/NDF:1074587.3/23

Right Out: 5455.588+/-1.000 χ^2/NDF: 3748360.3/29

Left In: 6410.429+/-1.080 χ^2/NDF:1219833.0/22

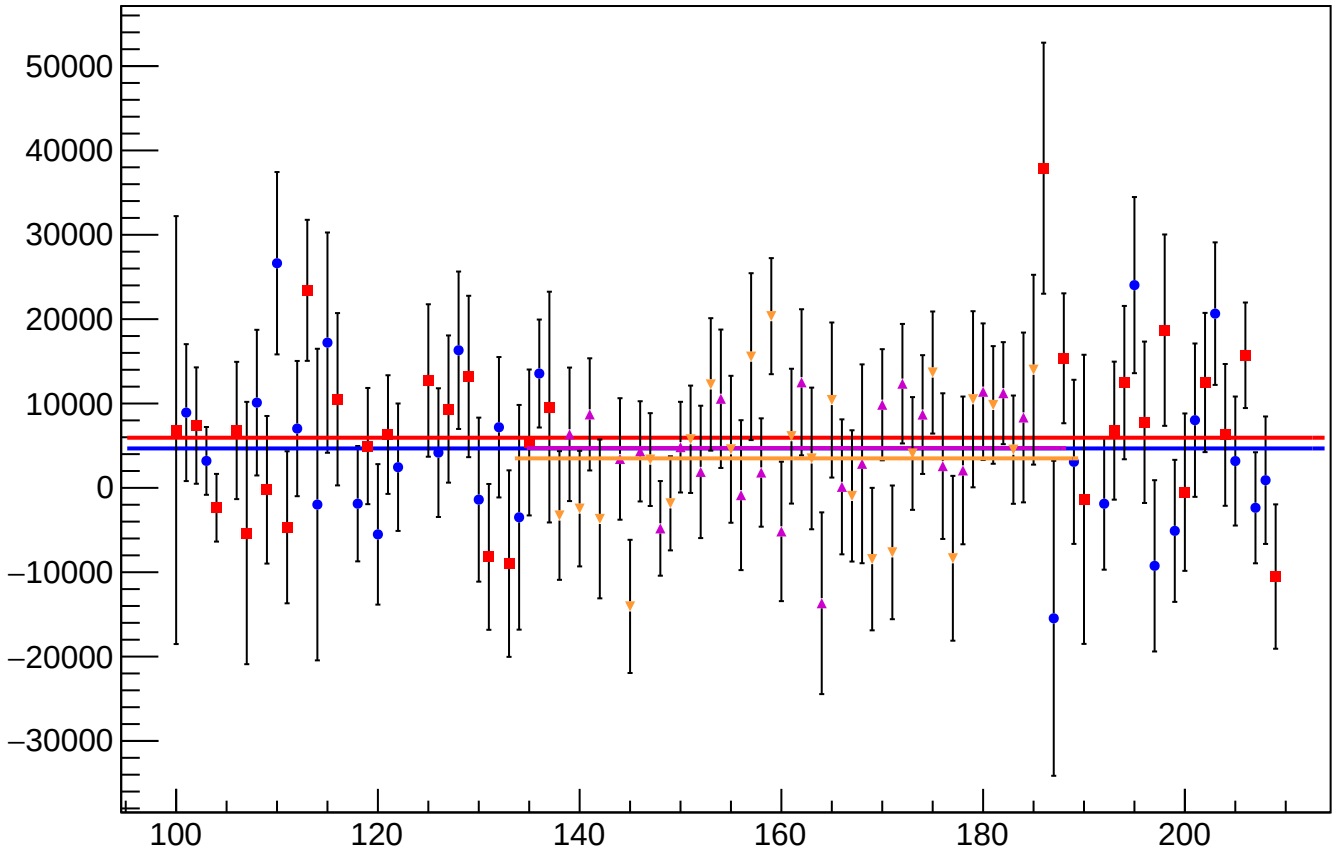
Left: 6446.377+/-0.766 χ^2/NDF: 2296647.1/46

Right: 5622.363+/-0.732 χ^2/NDF: 5876372.0/56

In: 6110.938+/-0.762 χ^2/NDF:3440627.3/49

Out: 5926.345+/-0.736 χ^2/NDF:5306920.9/53

All: 6015.427+/-0.529 χ^2/NDF: 8777932.2/10



Right In: 4674.034+/-1567.250 χ^2/NDF: 26.6/26

Left Out: 3497.162+/-1545.839 χ^2/NDF:27.5/23

Right Out: 5944.057+/-1540.872 χ^2/NDF: 32.6/29

Left In: 4719.535+/-1539.177 χ^2/NDF:14.3/22

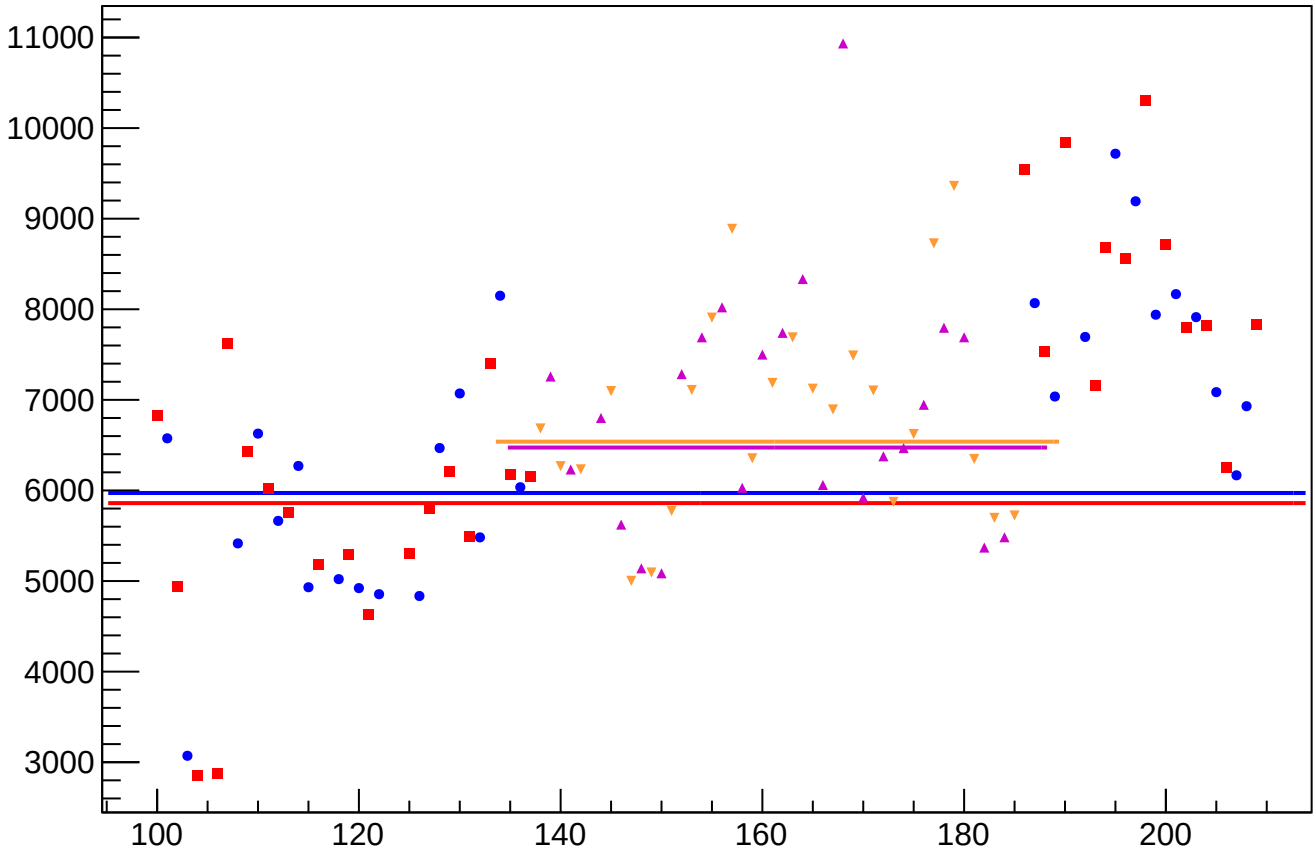
Left: 4110.988+/-1090.710 χ^2/NDF: 42.1/46

Right: 5319.823+/-1098.768 χ^2/NDF: 59.5/56

In: 4697.195+/-1098.153 χ^2/NDF:40.9/49

Out: 4724.547+/-1091.313 χ^2/NDF:61.3/53

All: 4710.957+/-774.082 χ^2/NDF: 102.2/103



Right In: 5972.140+/-1.108 χ^2/NDF: 2348223.4/26

Left Out: 6538.706+/-1.093 χ^2/NDF:920612.0/23

Right Out: 5860.245+/-1.075 χ^2/NDF: 3361113.4/29

Left In: 6473.481+/-1.088 χ^2/NDF:1071757.3/22

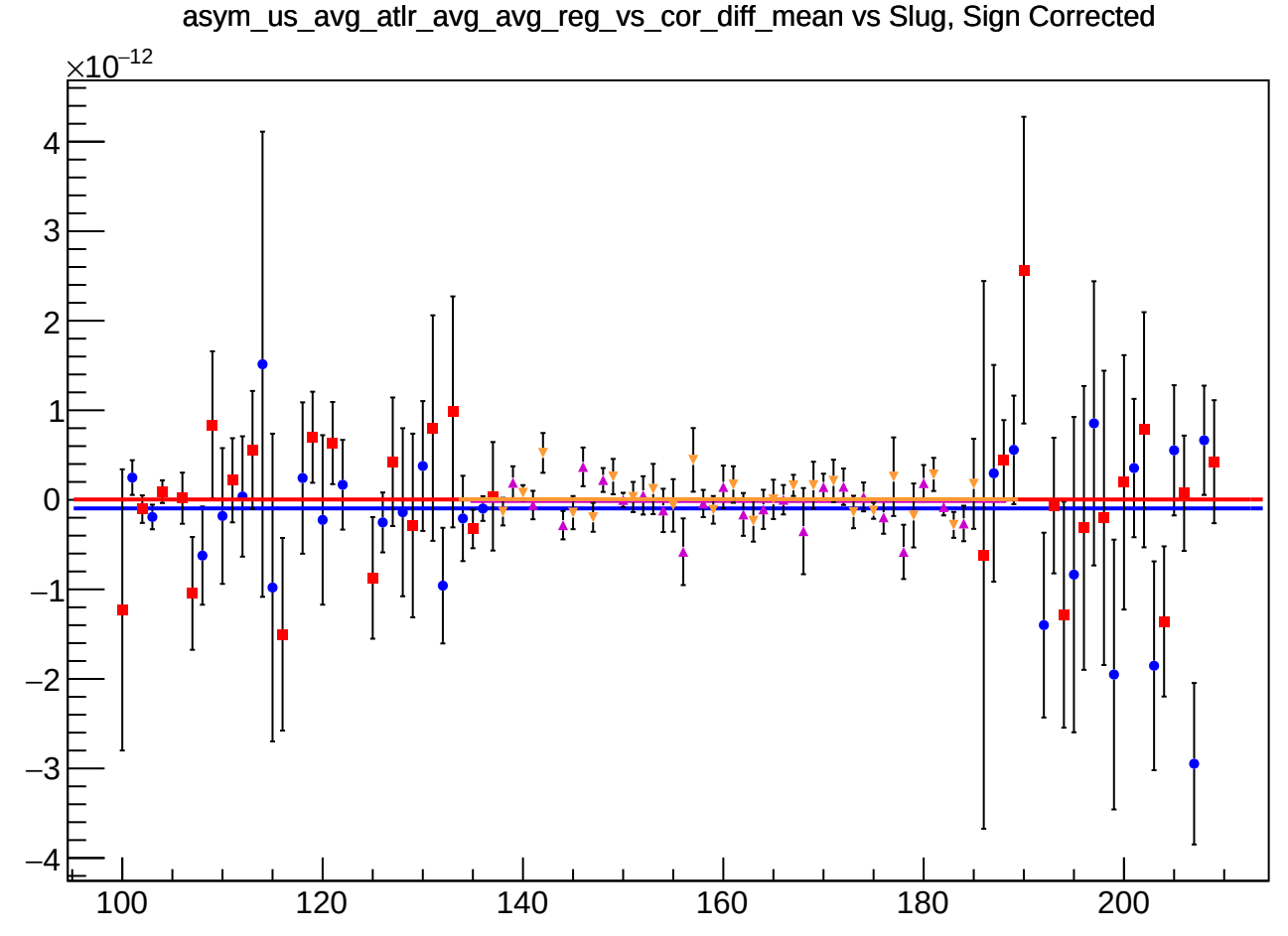
Left: 6505.953+/-0.771 χ^2/NDF: 1994157.3/46

Right: 5914.506+/-0.772 χ^2/NDF: 5714588.0/56

In: 6227.338+/-0.777 χ^2/NDF:3524157.8/49

Out: 6193.910+/-0.767 χ^2/NDF:4477515.0/53

All: 6210.408+/-0.546 χ^2/NDF: 8002611.4/10



Right In: -0.000+/-0.000 χ^2/NDF: 28.1/26

Left Out: 0.000+/-0.000 χ^2/NDF:27.2/23

Right Out: 0.000+/-0.000 χ^2/NDF: 25.1/29

Left In: -0.000+/-0.000 χ^2/NDF:24.0/22

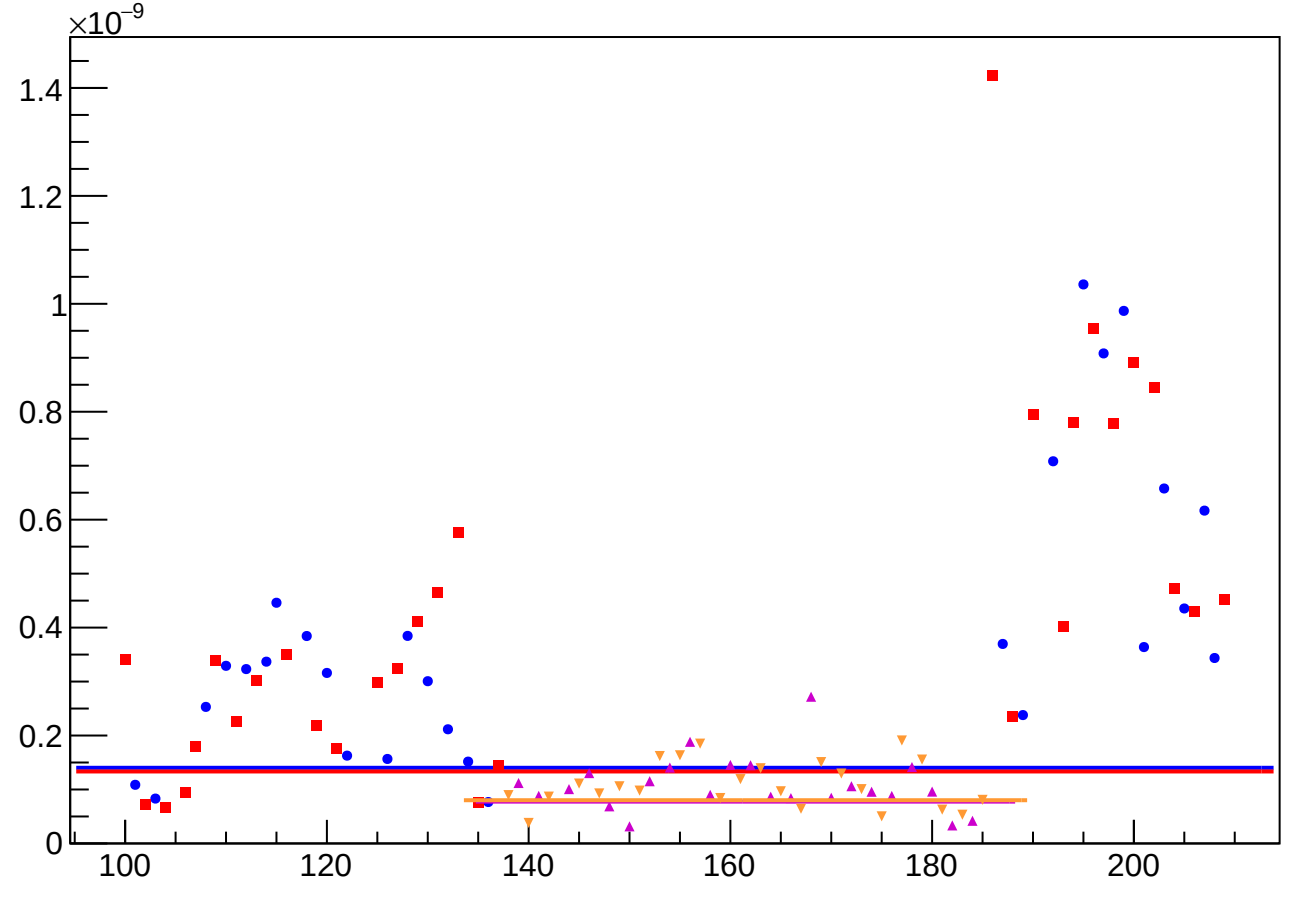
Left: -0.000+/-0.000 χ^2/NDF: 51.3/46

Right: -0.000+/-0.000 χ^2/NDF: 54.1/56

In: -0.000+/-0.000 χ^2/NDF:53.1/49

Out: 0.000+/-0.000 χ^2/NDF:52.3/53

All: -0.000+/-0.000 χ^2/NDF: 105.9/103



Right In: 0.000+/-0.000 χ^2/NDF: 5776110.8/26

Left Out: 0.000+/-0.000 χ^2/NDF:2153227.2/23

Right Out: 0.000+/-0.000 χ^2/NDF: 7095623.6/29

Left In: 0.000+/-0.000 χ^2/NDF:2642331.8/22

Left: 0.000+/-0.000 χ^2/NDF: 4801129.7/46

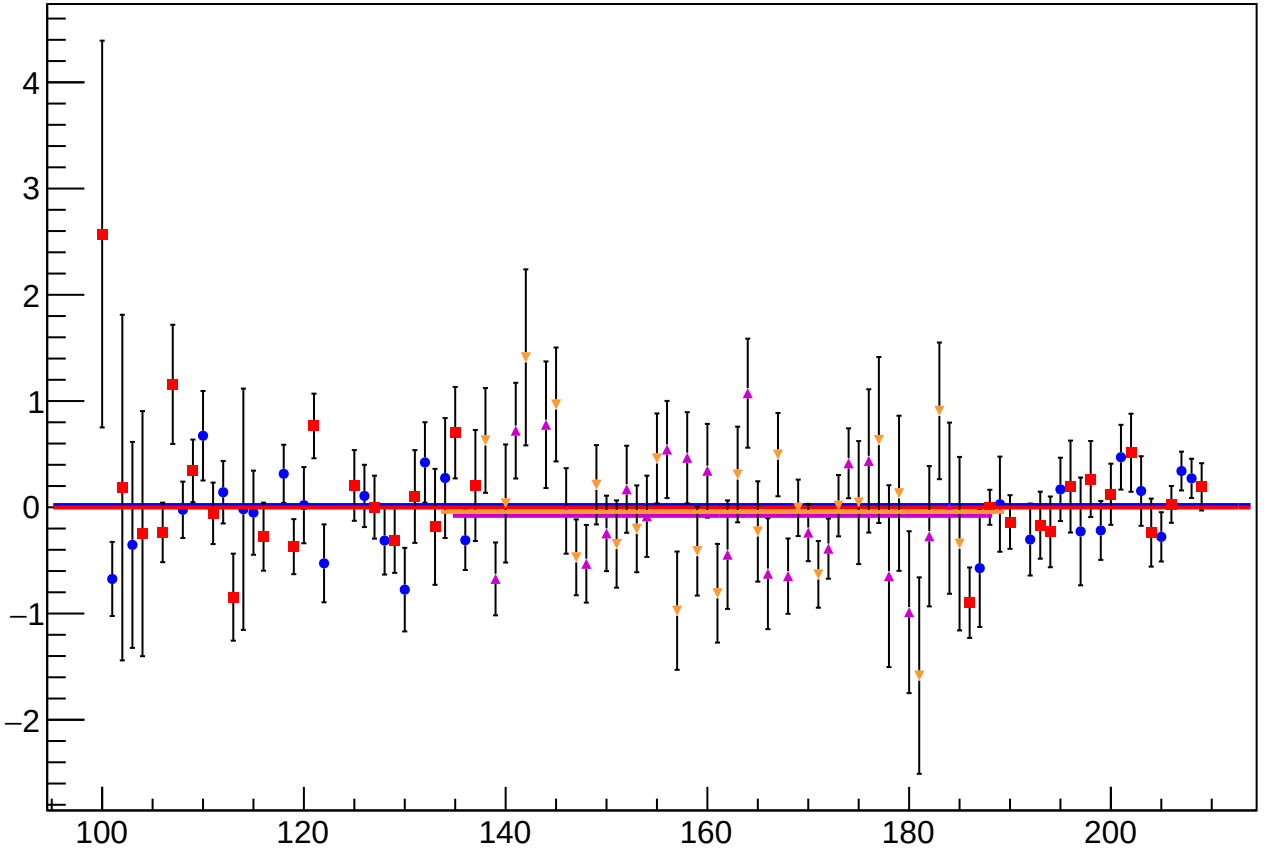
Right: 0.000+/-0.000 χ^2/NDF: 12880144.8/56

In: 0.000+/-0.000 χ^2/NDF:9577821.5/49

Out: 0.000+/-0.000 χ^2/NDF:10098980.3/53

All: 0.000+/-0.000 χ^2/NDF: 19678796.8/103

asym_us_avg_atlr_avg_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.021+/-0.061 χ^2/NDF: 30.4/26

Left Out: -0.043+/-0.090 χ^2/NDF:31.0/23

Right Out: -0.002+/-0.057 χ^2/NDF: 38.8/29

Left In: -0.080+/-0.088 χ^2/NDF:30.3/22

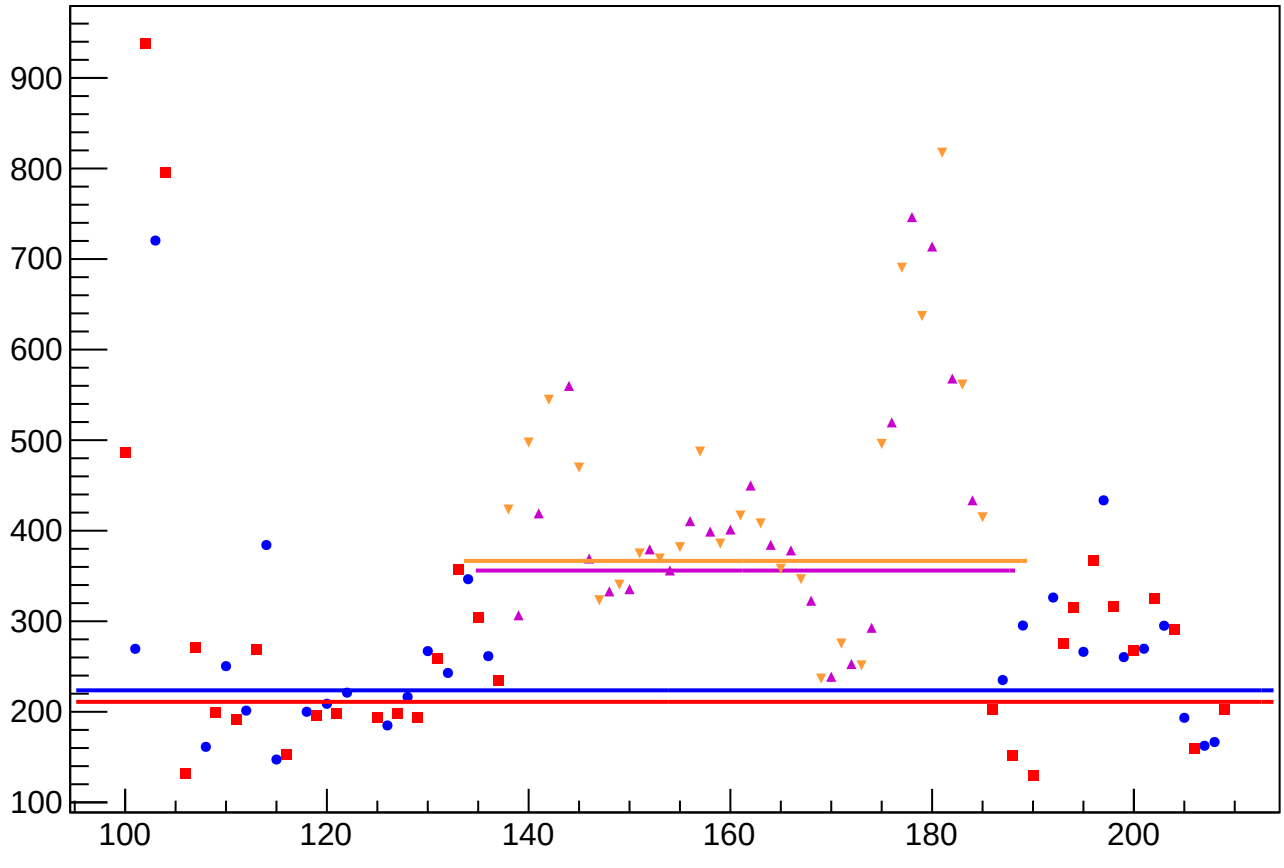
Left: -0.062+/-0.063 χ^2/NDF: 61.4/46

Right: 0.009+/-0.042 χ^2/NDF: 69.3/56

In: -0.012+/-0.050 χ^2/NDF:61.6/49

Out: -0.014+/-0.048 χ^2/NDF:69.9/53

All: -0.013+/-0.035 χ^2/NDF: 131.5/103



Right In: 223.704+/-0.043 χ^2/NDF: 2262495.5/26

Left Out: 366.670+/-0.064 χ^2/NDF:2841071.8/23

Right Out: 210.987+/-0.040 χ^2/NDF: 3305836.8/29

Left In: 355.992+/-0.062 χ^2/NDF:2420701.1/22

Left: 361.170+/-0.045 χ^2/NDF: 5276130.6/46

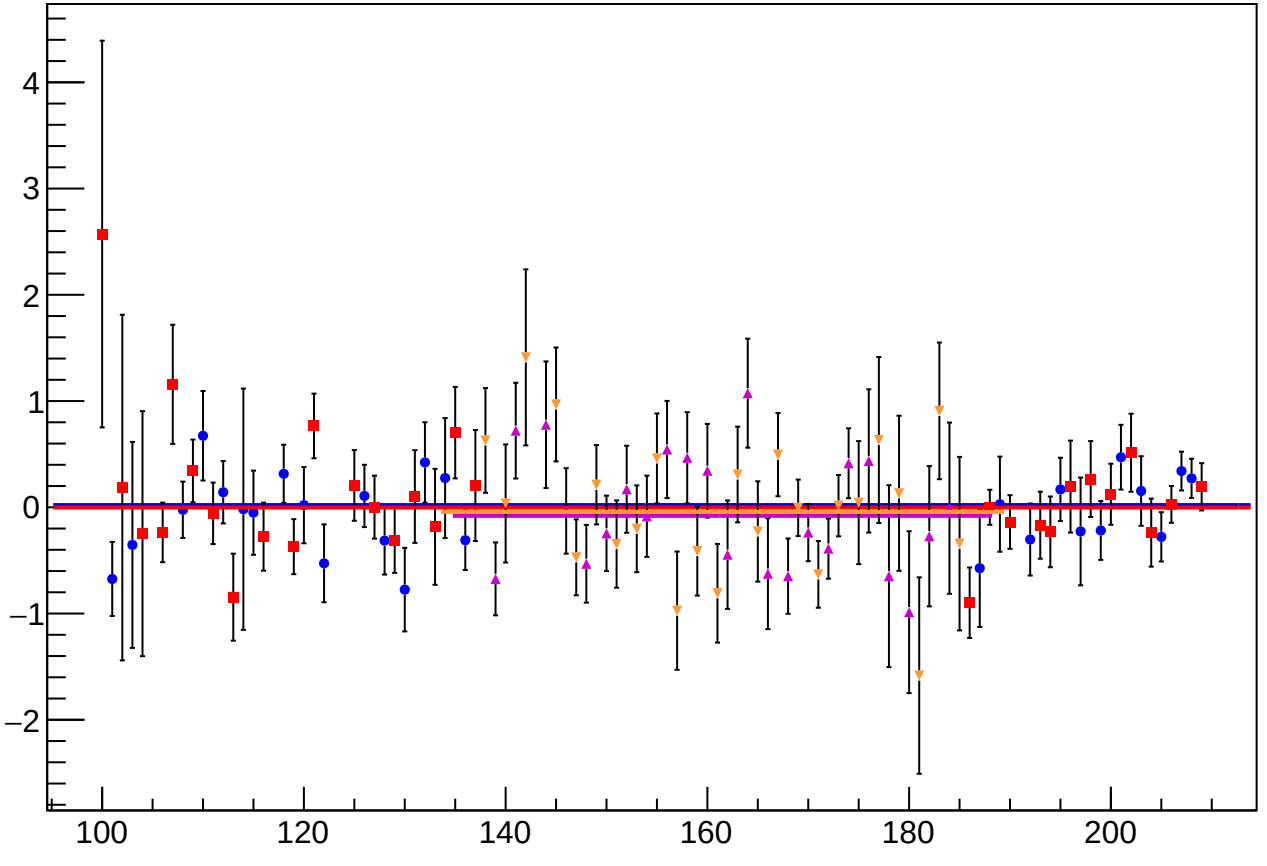
Right: 216.938+/-0.029 χ^2/NDF: 5614853.4/56

In: 266.620+/-0.035 χ^2/NDF:7752793.1/49

Out: 255.281+/-0.034 χ^2/NDF:10385663.0/53

All: 260.750+/-0.025 χ^2/NDF: 18191728.8/10

asym_us_avg_atlr_avg_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.021+/-0.061 χ^2/NDF: 30.4/26

Left Out: -0.043+/-0.090 χ^2/NDF:31.0/23

Right Out: -0.002+/-0.057 χ^2/NDF: 38.8/29

Left In: -0.080+/-0.088 χ^2/NDF:30.3/22

Left: -0.062+/-0.063 χ^2/NDF: 61.4/46

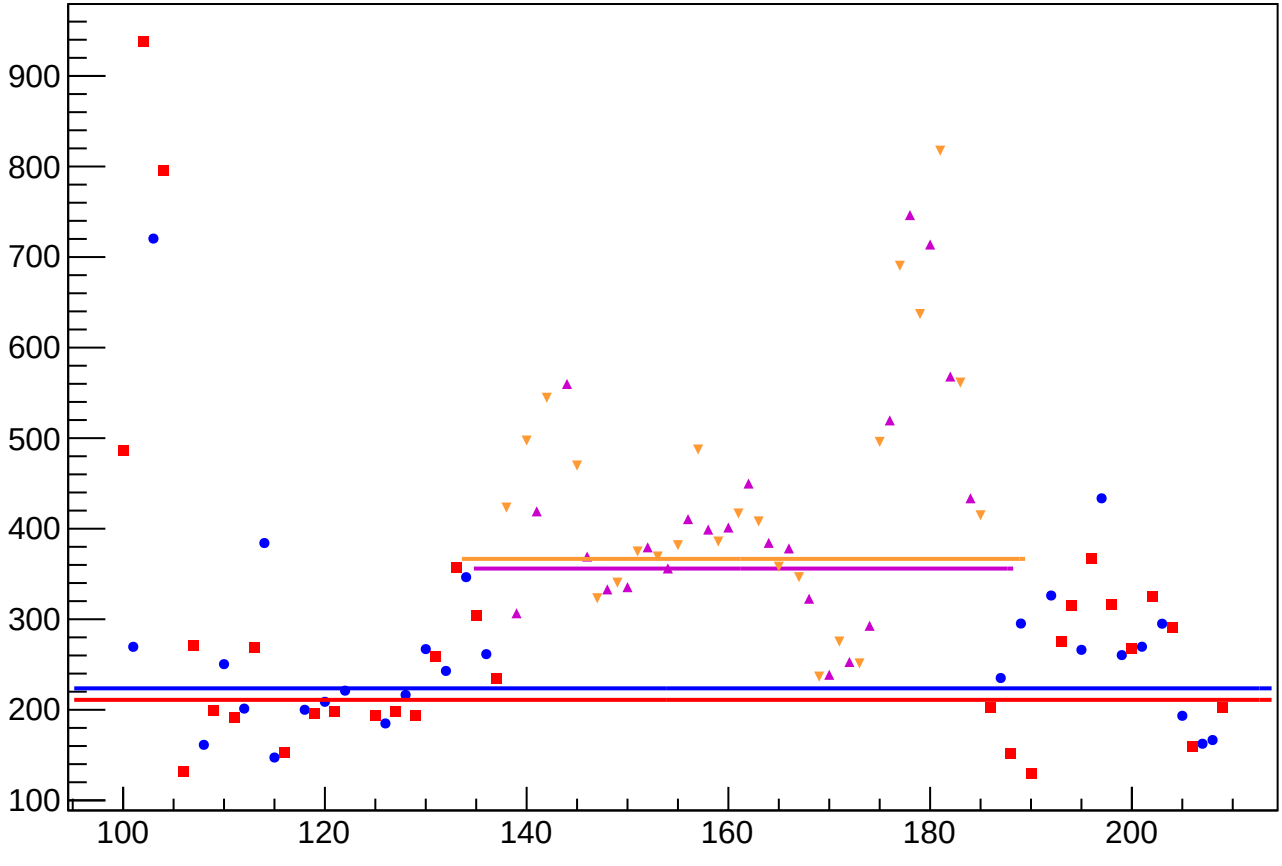
Right: 0.009+/-0.042 χ^2/NDF: 69.3/56

In: -0.012+/-0.050 χ^2/NDF:61.6/49

Out: -0.014+/-0.048 χ^2/NDF:69.9/53

All: -0.013+/-0.035 χ^2/NDF: 131.5/103

asym_us_avg_atlr_avg_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 223.704+/-0.043 χ^2/NDF: 2262495.5/26

Left Out: 366.670+/-0.064 χ^2/NDF:2841071.8/23

Right Out: 210.987+/-0.040 χ^2/NDF: 3305836.8/29

Left In: 355.992+/-0.062 χ^2/NDF:2420701.1/22

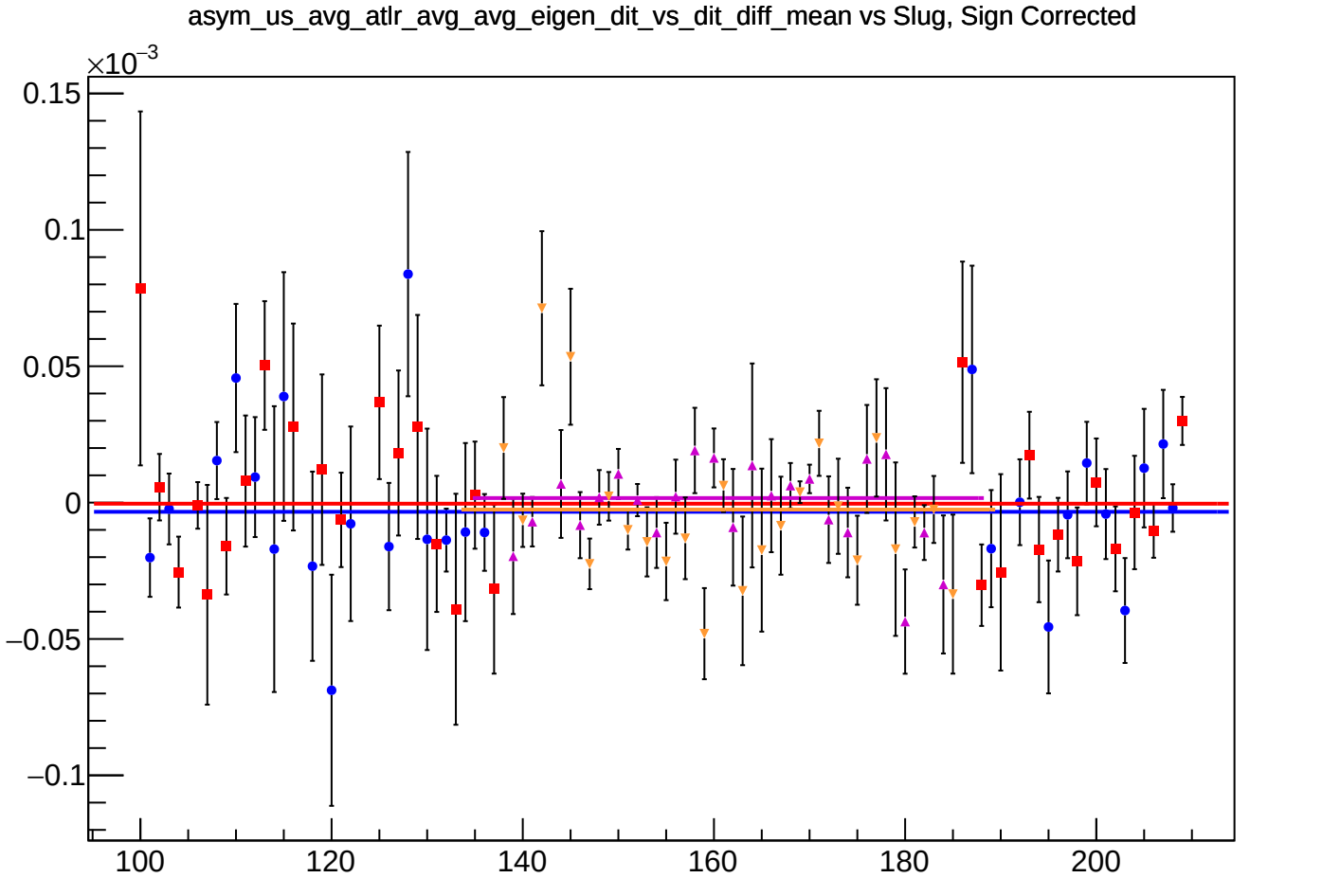
Left: 361.170+/-0.045 χ^2/NDF: 5276130.6/46

Right: 216.938+/-0.029 χ^2/NDF: 5614853.4/56

In: 266.620+/-0.035 χ^2/NDF:7752793.1/49

Out: 255.281+/-0.034 χ^2/NDF:10385663.0/53

All: 260.750+/-0.025 χ^2/NDF: 18191728.8/10



Right In: -0.000+/-0.000 χ^2/NDF: 28.1/26

Left Out: -0.000+/-0.000 χ^2/NDF:43.5/23

Right Out: -0.000+/-0.000 χ^2/NDF: 41.9/29

Left In: 0.000+/-0.000 χ^2/NDF:20.7/22

Left: -0.000+/-0.000 χ^2/NDF: 65.9/46

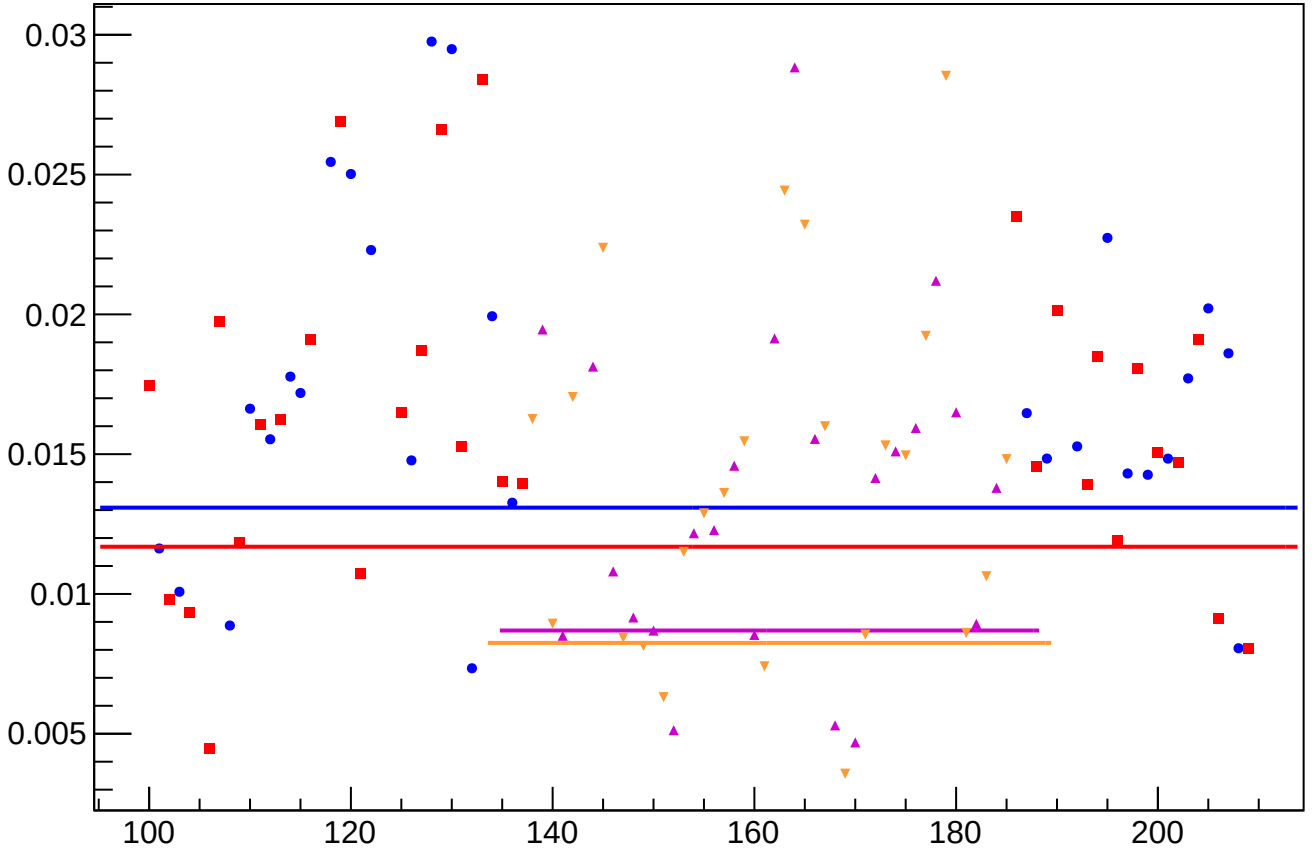
Right: -0.000+/-0.000 χ^2/NDF: 70.3/56

In: 0.000+/-0.000 χ^2/NDF:50.2/49

Out: -0.000+/-0.000 χ^2/NDF:85.7/53

All: -0.000+/-0.000 χ^2/NDF: 136.4/103

asym_us_avg_atlr_avg_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.013+/-0.000 χ^2/NDF: 3723116.4/26

Left Out: 0.008+/-0.000 χ^2/NDF:8879581.2/23

Right Out: 0.012+/-0.000 χ^2/NDF: 4836950.2/29

Left In: 0.009+/-0.000 χ^2/NDF:6875072.4/22

Left: 0.008+/-0.000 χ^2/NDF: 15791427.0/46

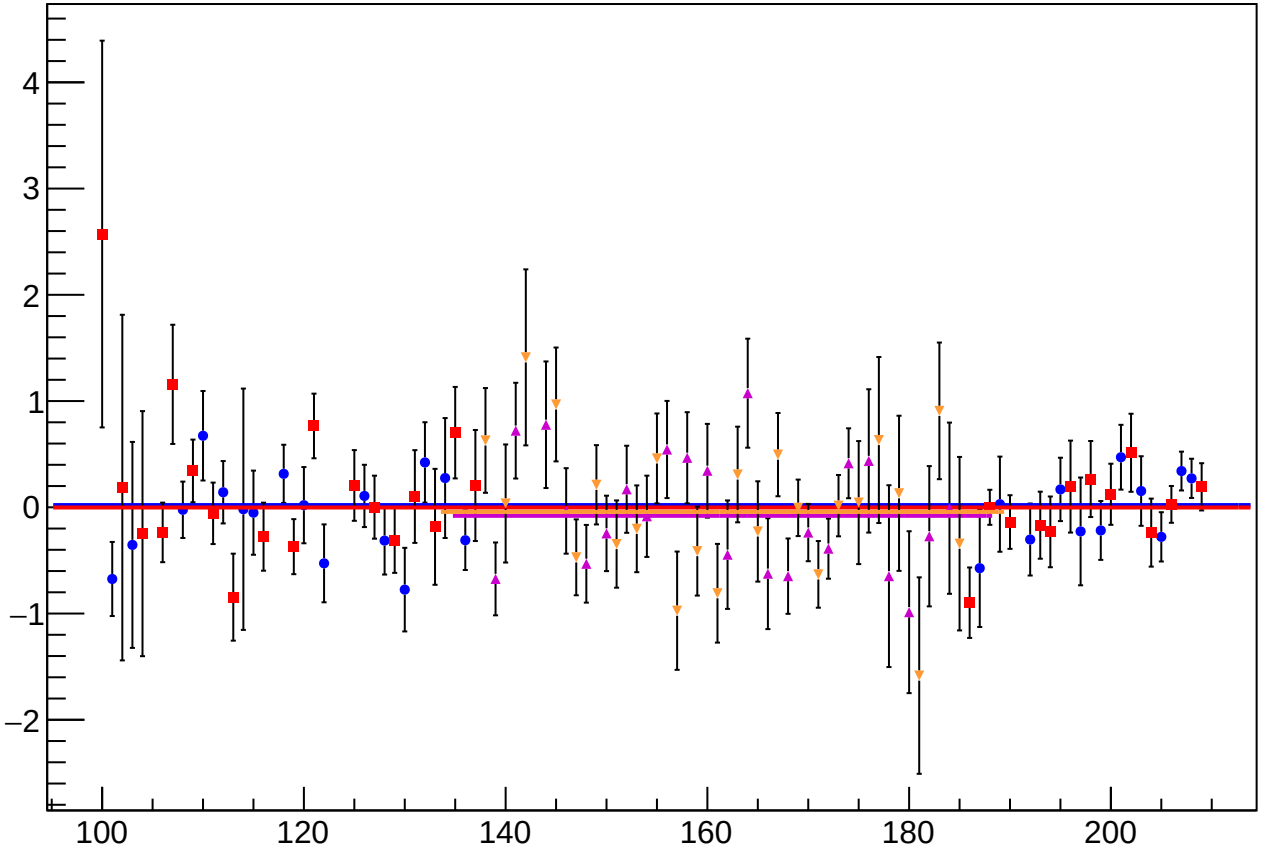
Right: 0.012+/-0.000 χ^2/NDF: 8734827.2/56

In: 0.010+/-0.000 χ^2/NDF:12736951.0/49

Out: 0.009+/-0.000 χ^2/NDF:15295812.0/53

All: 0.010+/-0.000 χ^2/NDF: 28135868.8/103

asym_us_avg_atlr_avg_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.021+/-0.061 χ^2/NDF: 30.4/26

Left Out: -0.043+/-0.090 χ^2/NDF:31.0/23

Right Out: -0.002+/-0.057 χ^2/NDF: 38.8/29

Left In: -0.080+/-0.088 χ^2/NDF:30.3/22

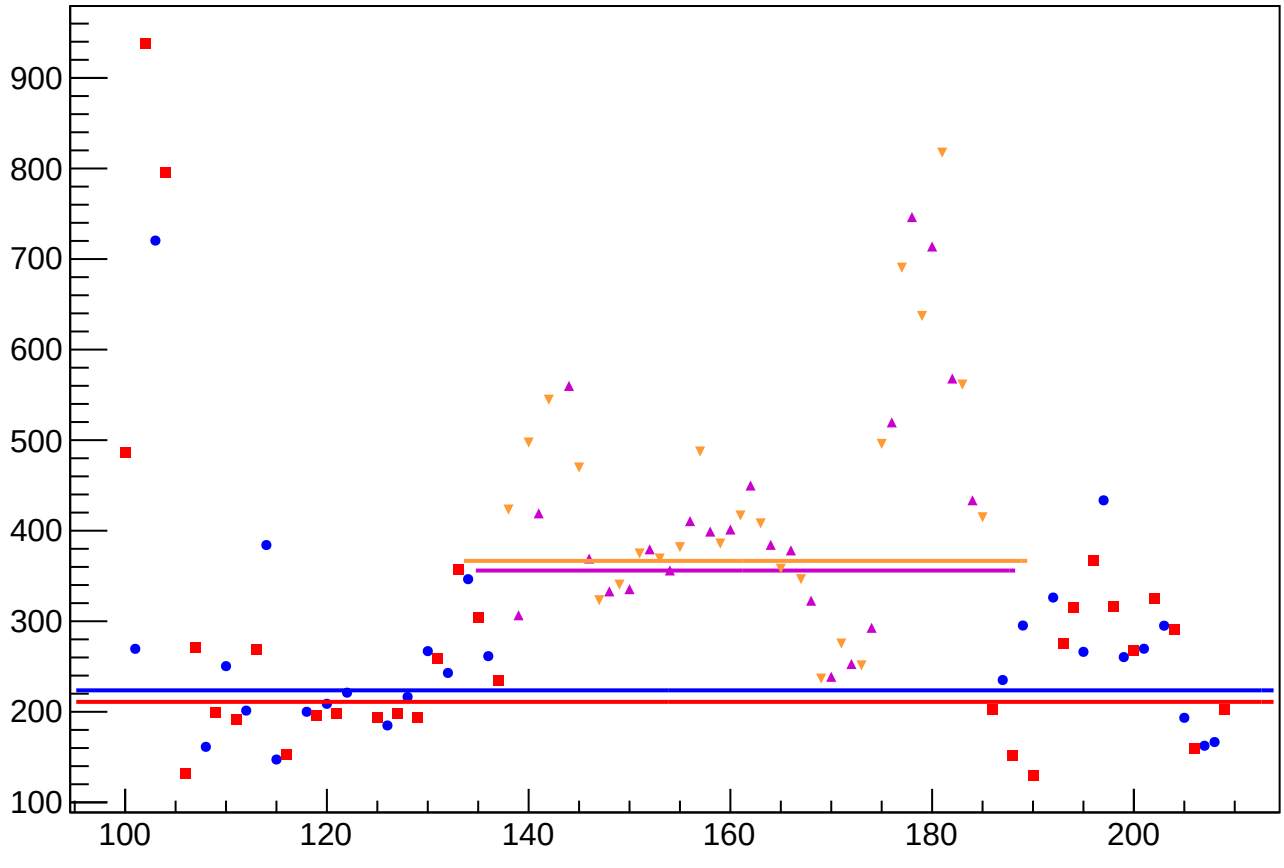
Left: -0.062+/-0.063 χ^2/NDF: 61.4/46

Right: 0.009+/-0.042 χ^2/NDF: 69.3/56

In: -0.012+/-0.050 χ^2/NDF:61.6/49

Out: -0.014+/-0.048 χ^2/NDF:69.9/53

All: -0.013+/-0.035 χ^2/NDF: 131.5/103



Right In: 223.703+/-0.043 χ^2/NDF: 2262533.7/26

Left Out: 366.671+/-0.064 χ^2/NDF:2841292.6/23

Right Out: 210.984+/-0.040 χ^2/NDF: 3305917.9/29

Left In: 355.993+/-0.062 χ^2/NDF:2420863.3/22

Left: 361.171+/-0.045 χ^2/NDF: 5276510.3/46

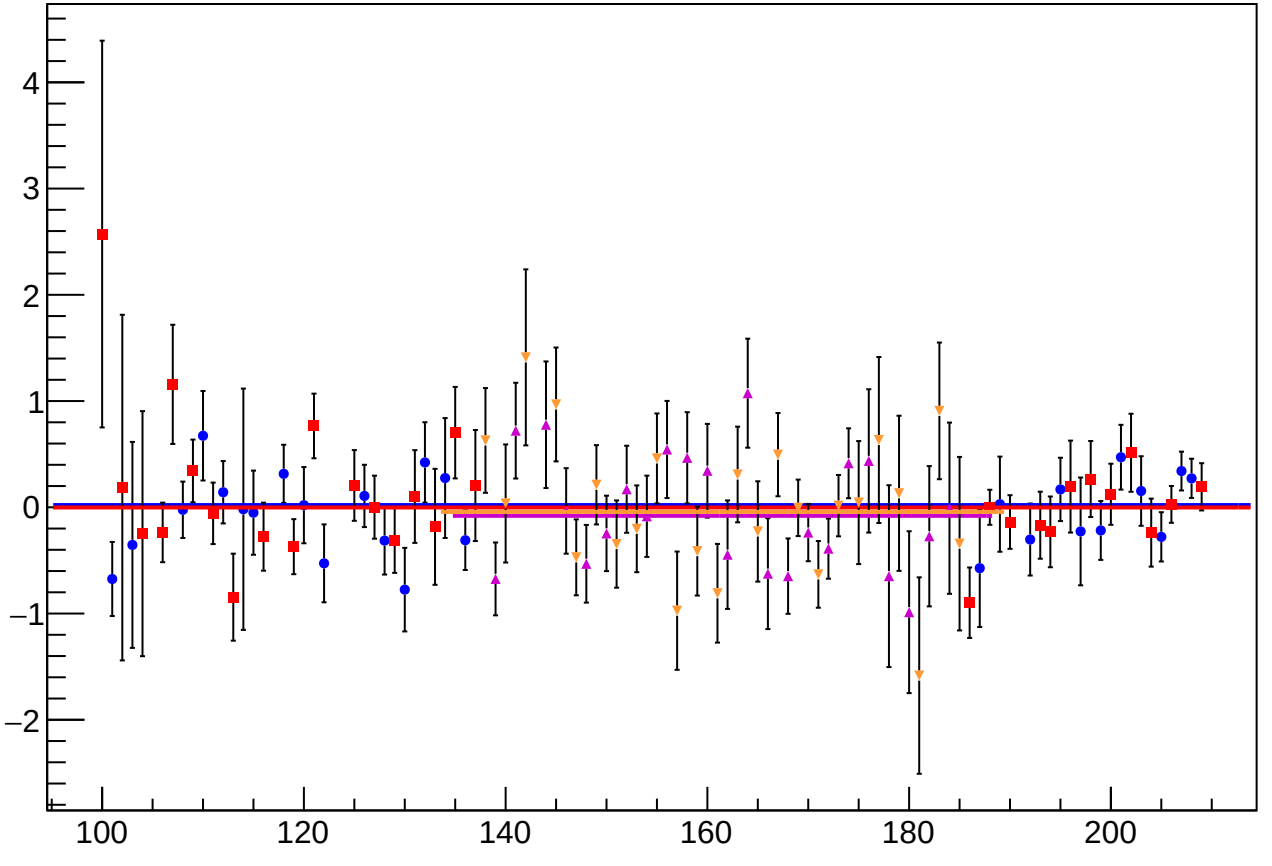
Right: 216.936+/-0.029 χ^2/NDF: 5614981.5/56

In: 266.619+/-0.035 χ^2/NDF:7753124.1/49

Out: 255.278+/-0.034 χ^2/NDF:10386131.7/53

All: 260.748+/-0.025 χ^2/NDF: 18192542.0/10

asym_us_avg_atlr_avg_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.021+/-0.061 χ^2/NDF: 30.4/26

Left Out: -0.043+/-0.090 χ^2/NDF:31.0/23

Right Out: -0.002+/-0.057 χ^2/NDF: 38.8/29

Left In: -0.080+/-0.088 χ^2/NDF:30.3/22

Left: -0.062+/-0.063 χ^2/NDF: 61.4/46

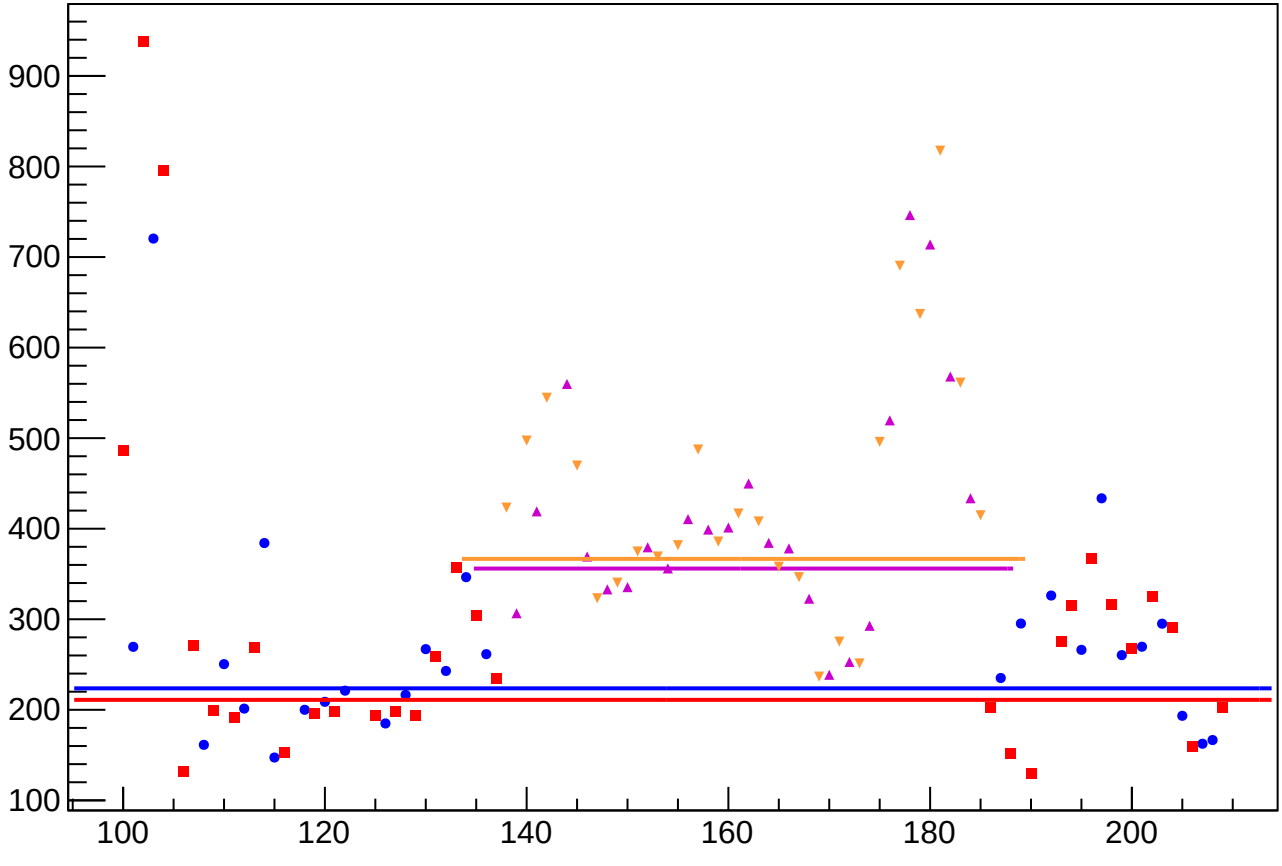
Right: 0.009+/-0.042 χ^2/NDF: 69.3/56

In: -0.012+/-0.050 χ^2/NDF:61.6/49

Out: -0.014+/-0.048 χ^2/NDF:69.9/53

All: -0.013+/-0.035 χ^2/NDF: 131.5/103

asym_us_avg_atlr_avg_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 223.703+/-0.043 χ^2/NDF: 2262533.7/26

Left Out: 366.671+/-0.064 χ^2/NDF:2841292.6/23

Right Out: 210.984+/-0.040 χ^2/NDF: 3305917.9/29

Left In: 355.993+/-0.062 χ^2/NDF:2420863.3/22

Left: 361.171+/-0.045 χ^2/NDF: 5276510.3/46

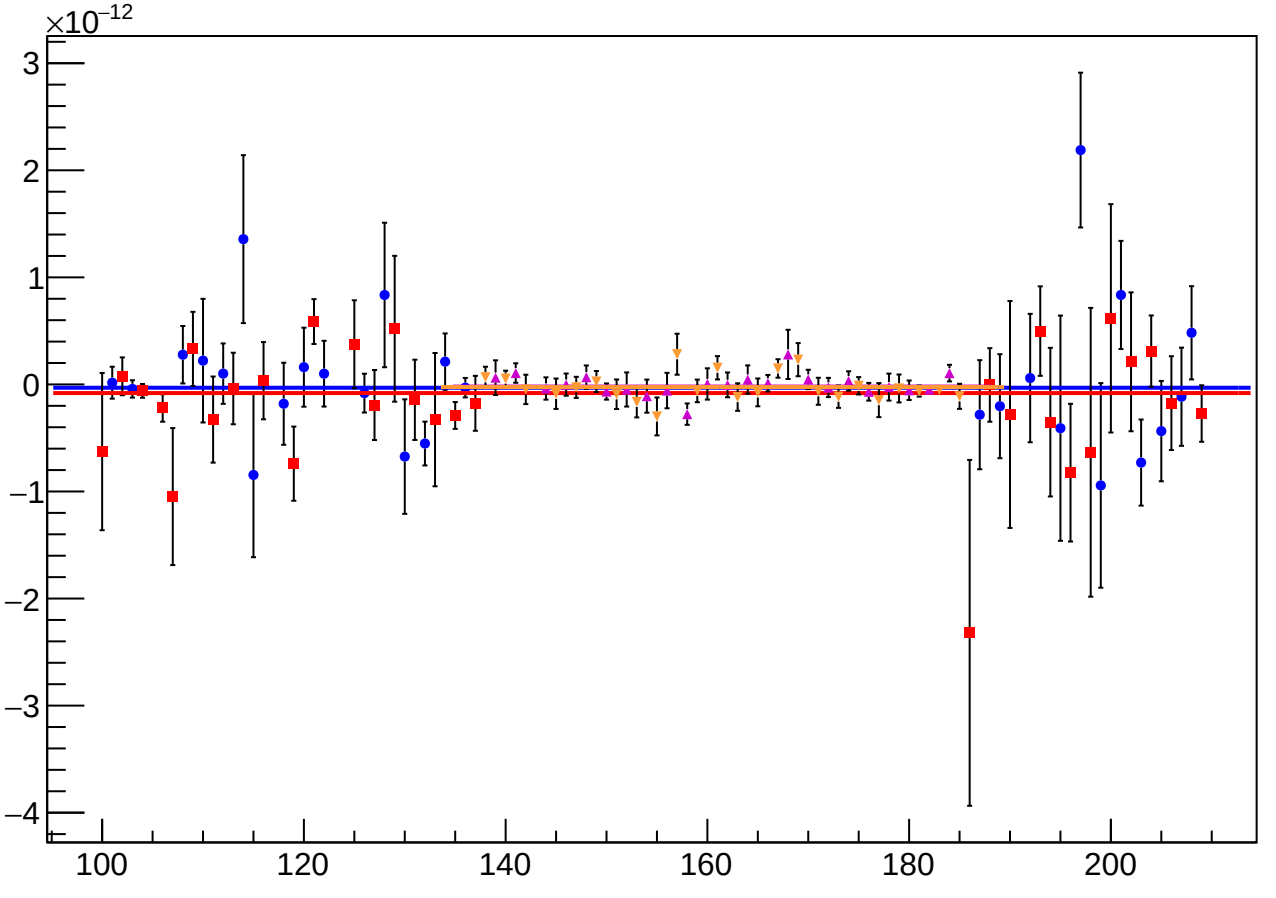
Right: 216.936+/-0.029 χ^2/NDF: 5614981.5/56

In: 266.619+/-0.035 χ^2/NDF:7753124.1/49

Out: 255.278+/-0.034 χ^2/NDF:10386131.7/53

All: 260.748+/-0.025 χ^2/NDF: 18192542.0/10

asym_us_avg_atlr_avg_avg_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.000 χ^2/NDF: 36.2/26

Left Out: -0.000+/-0.000 χ^2/NDF:21.9/23

Right Out: -0.000+/-0.000 χ^2/NDF: 34.0/29

Left In: -0.000+/-0.000 χ^2/NDF:17.2/22

Left: -0.000+/-0.000 χ^2/NDF: 39.1/46

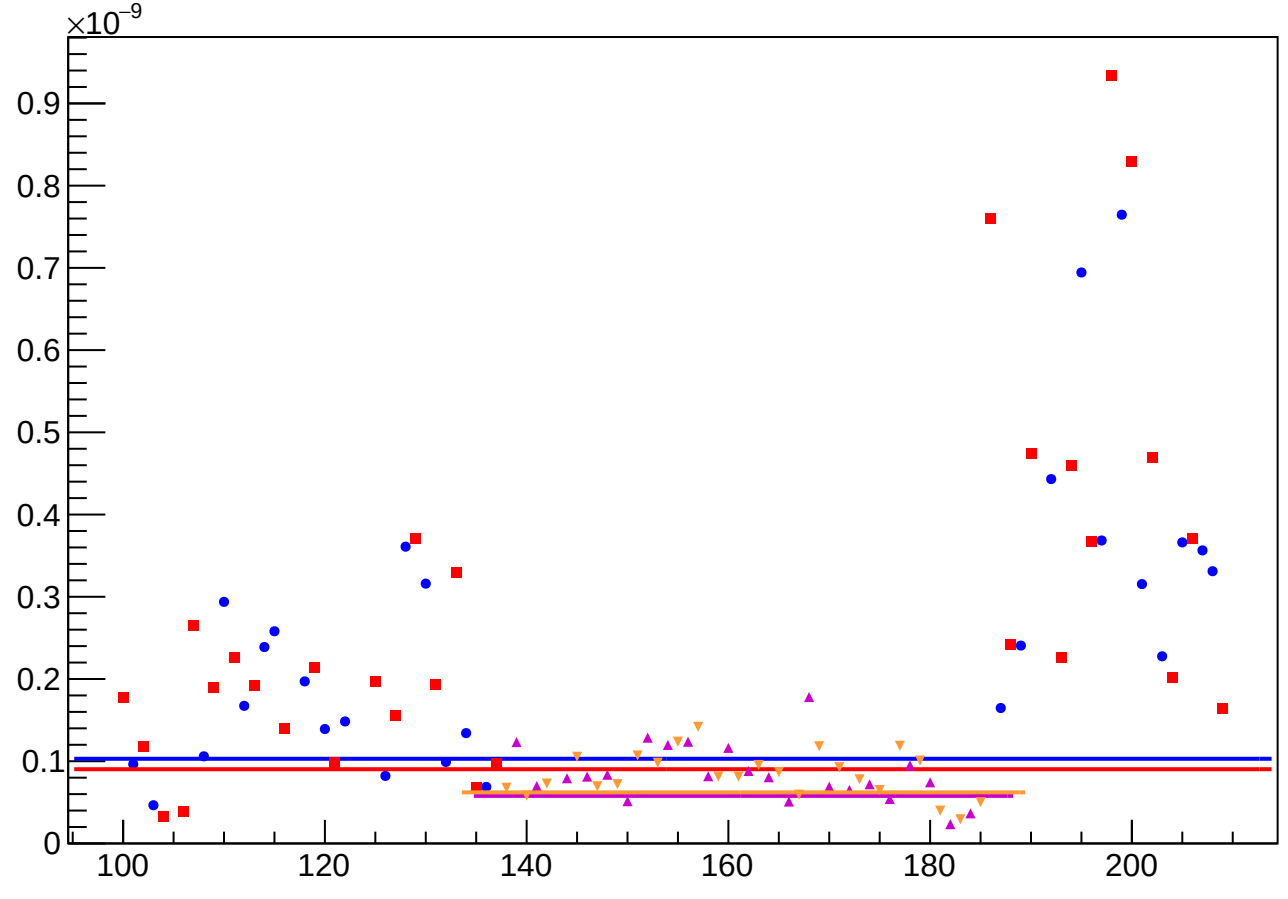
Right: -0.000+/-0.000 χ^2/NDF: 70.9/56

In: -0.000+/-0.000 χ^2/NDF:53.5/49

Out: -0.000+/-0.000 χ^2/NDF:57.4/53

All: -0.000+/-0.000 χ^2/NDF: 111.1/103

asym_us_avg_atlr_avg_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 7605754.2/26

Left Out: 0.000+/-0.000 χ^2/NDF:4100152.8/23

Right Out: 0.000+/-0.000 χ^2/NDF: 9877716.5/29

Left In: 0.000+/-0.000 χ^2/NDF:5512617.8/22

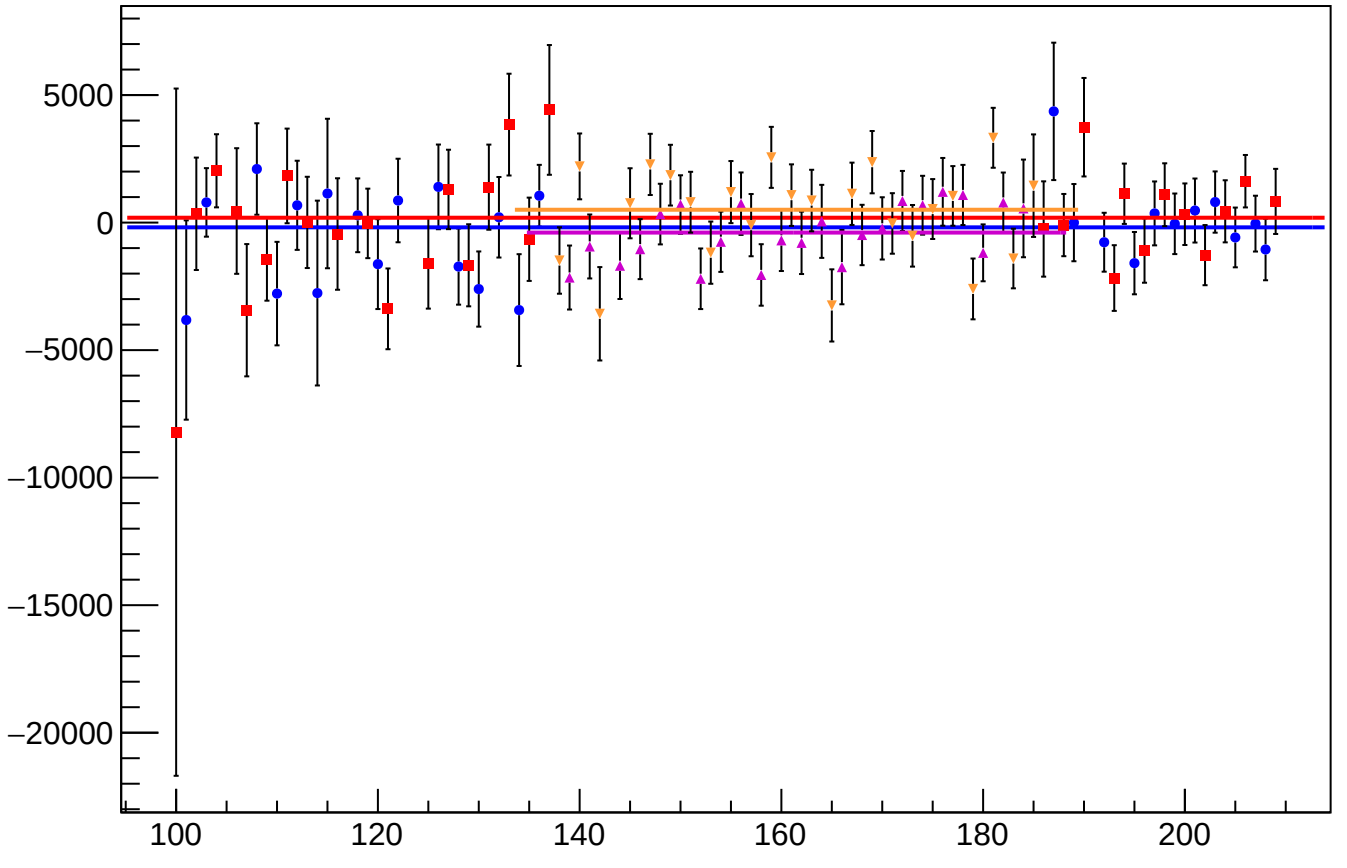
Left: 0.000+/-0.000 χ^2/NDF: 9664055.9/46

Right: 0.000+/-0.000 χ^2/NDF: 17567854.2/56

In: 0.000+/-0.000 χ^2/NDF:14830954.9/49

Out: 0.000+/-0.000 χ^2/NDF:14716606.1/53

All: 0.000+/-0.000 χ^2/NDF: 29571681.5/103



Right In: -186.340+/-284.569 χ^2/NDF: 21.0/26

Left Out: 503.606+/-255.531 χ^2/NDF:44.6/23

Right Out: 190.947+/-278.864 χ^2/NDF: 33.6/29

Left In: -391.701+/-257.386 χ^2/NDF:17.8/22

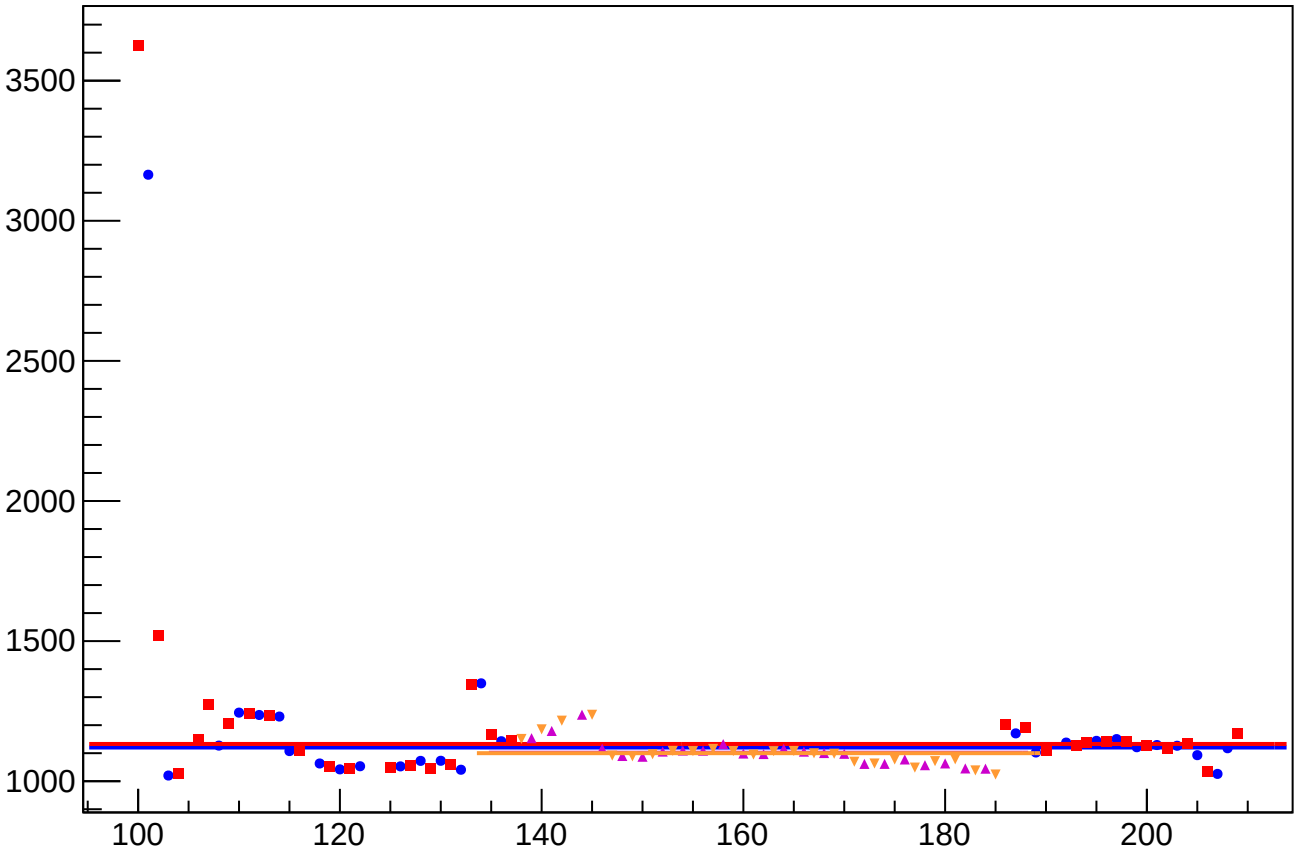
Left: 59.191+/-181.340 χ^2/NDF: 68.5/46

Right: 6.123+/-199.173 χ^2/NDF: 55.5/56

In: -299.295+/-190.888 χ^2/NDF:39.1/49

Out: 360.902+/-188.397 χ^2/NDF:78.8/53

All: 35.139+/-134.089 χ^2/NDF: 124.0/103



Right In: 1120.256+/-0.201 χ^2/NDF: 641450.0/26

Left Out: 1100.063+/-0.181 χ^2/NDF:58733.9/23

Right Out: 1132.924+/-0.197 χ^2/NDF: 248962.6/29

Left In: 1101.530+/-0.182 χ^2/NDF:52145.9/22

Left: 1100.791+/-0.128 χ^2/NDF: 110912.5/46

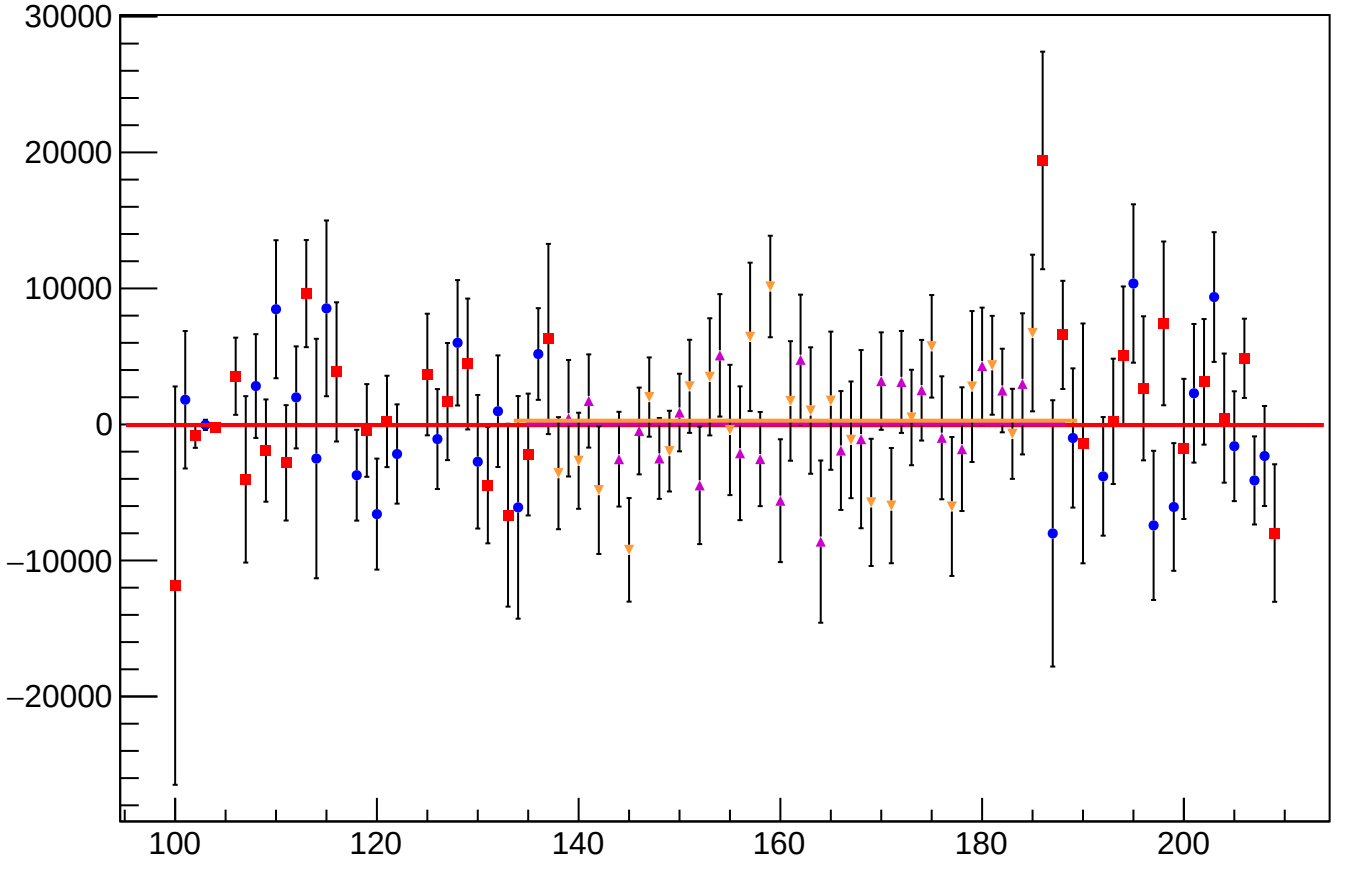
Right: 1126.724+/-0.141 χ^2/NDF: 892436.0/56

In: 1109.956+/-0.135 χ^2/NDF:698359.8/49

Out: 1115.074+/-0.133 χ^2/NDF:322805.5/53

All: 1112.550+/-0.095 χ^2/NDF: 1021893.9/10

asym_us_avg_atlr_avg_dd_reg_correction_mean vs Slug, Sign Corrected



Right In: -48.091+/-346.268 χ^2/NDF: 29.2/26

Left Out: 277.507+/-820.501 χ^2/NDF:29.9/23

Right Out: -36.237+/-314.051 χ^2/NDF: 33.3/29

Left In: 94.734+/-817.223 χ^2/NDF:13.7/22

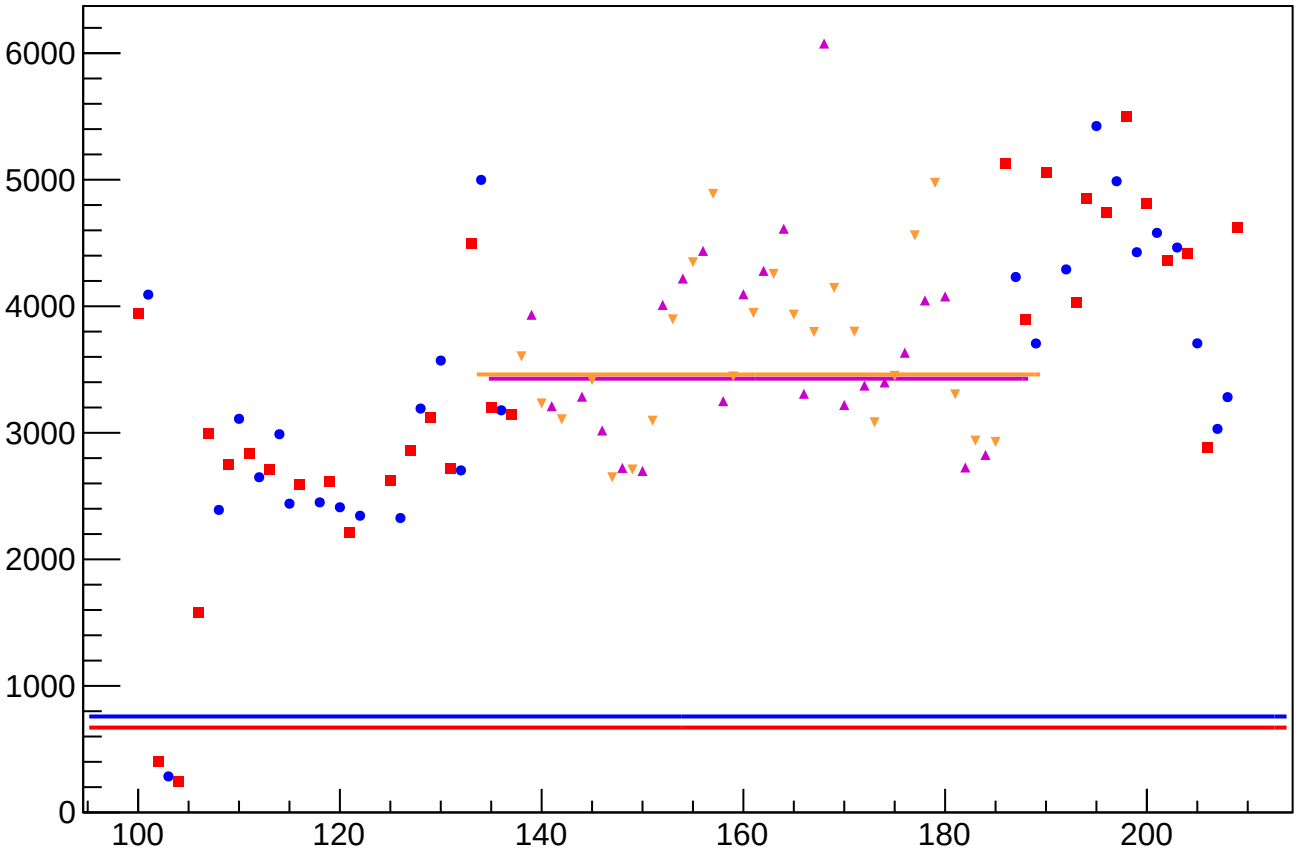
Left: 185.755+/-579.019 χ^2/NDF: 43.6/46

Right: -41.587+/-232.625 χ^2/NDF: 62.5/56

In: -26.352+/-318.829 χ^2/NDF:42.9/49

Out: 3.853+/-293.300 χ^2/NDF:63.3/53

All: -9.992+/-215.856 χ^2/NDF: 106.2/103



Right In: 758.427+/-0.245 χ^2/NDF: 21650205.1/26

Left Out: 3461.259+/-0.580 χ^2/NDF:1058687.1/23

Right Out: 670.700+/-0.222 χ^2/NDF: 23407516.9/29

Left In: 3427.860+/-0.578 χ^2/NDF:1243133.8/22

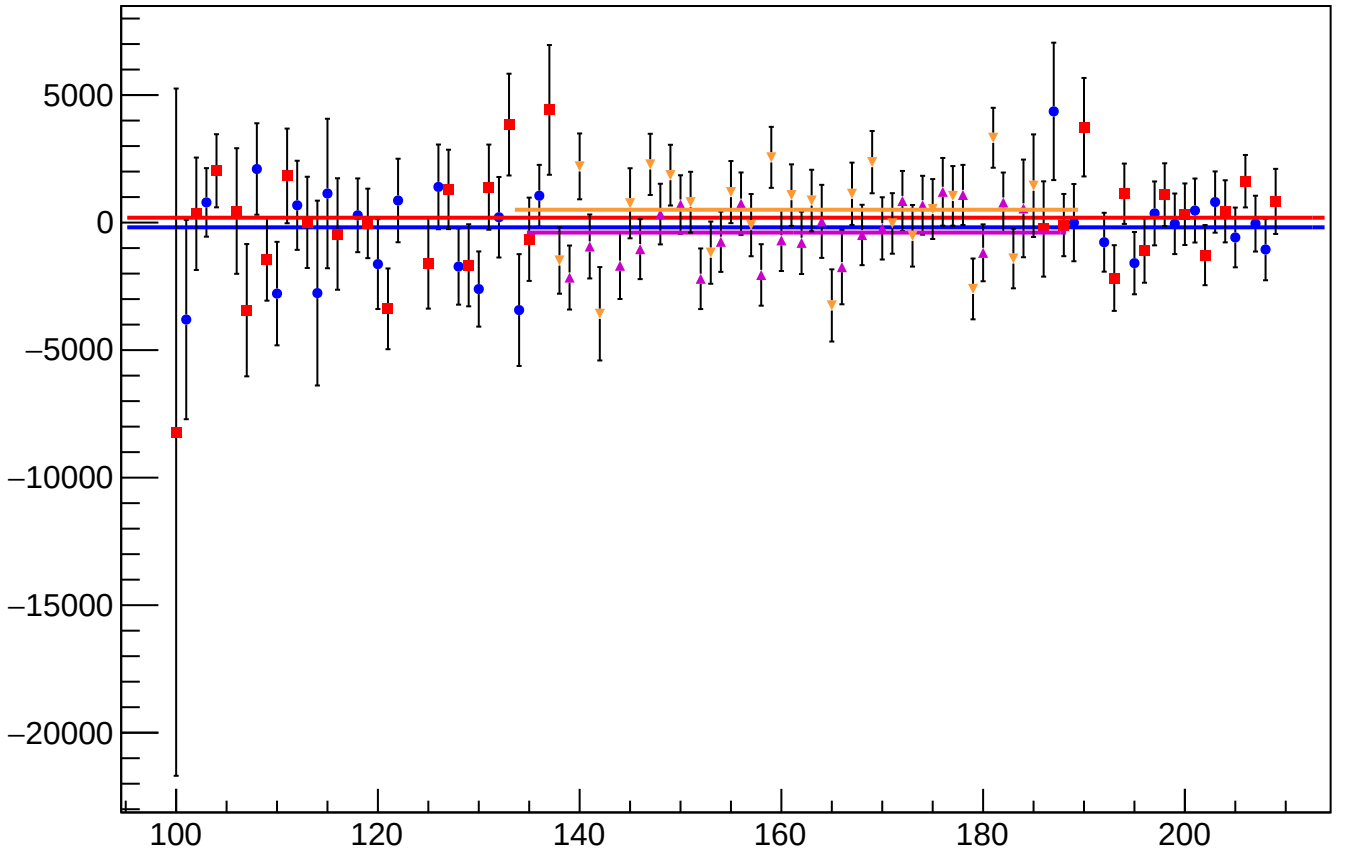
Left: 3444.493+/-0.409 χ^2/NDF: 2303484.4/46

Right: 710.294+/-0.164 χ^2/NDF: 45128157.1/56

In: 1164.733+/-0.225 χ^2/NDF:40984937.6/49

Out: 1027.281+/-0.207 χ^2/NDF:44644262.9/53

All: 1090.285+/-0.153 χ^2/NDF: 85830535.0/1



Right In: -186.307+/-284.569 χ^2/NDF: 21.0/26

Left Out: 503.679+/-255.531 χ^2/NDF:44.6/23

Right Out: 190.981+/-278.864 χ^2/NDF: 33.6/29

Left In: -391.689+/-257.386 χ^2/NDF:17.8/22

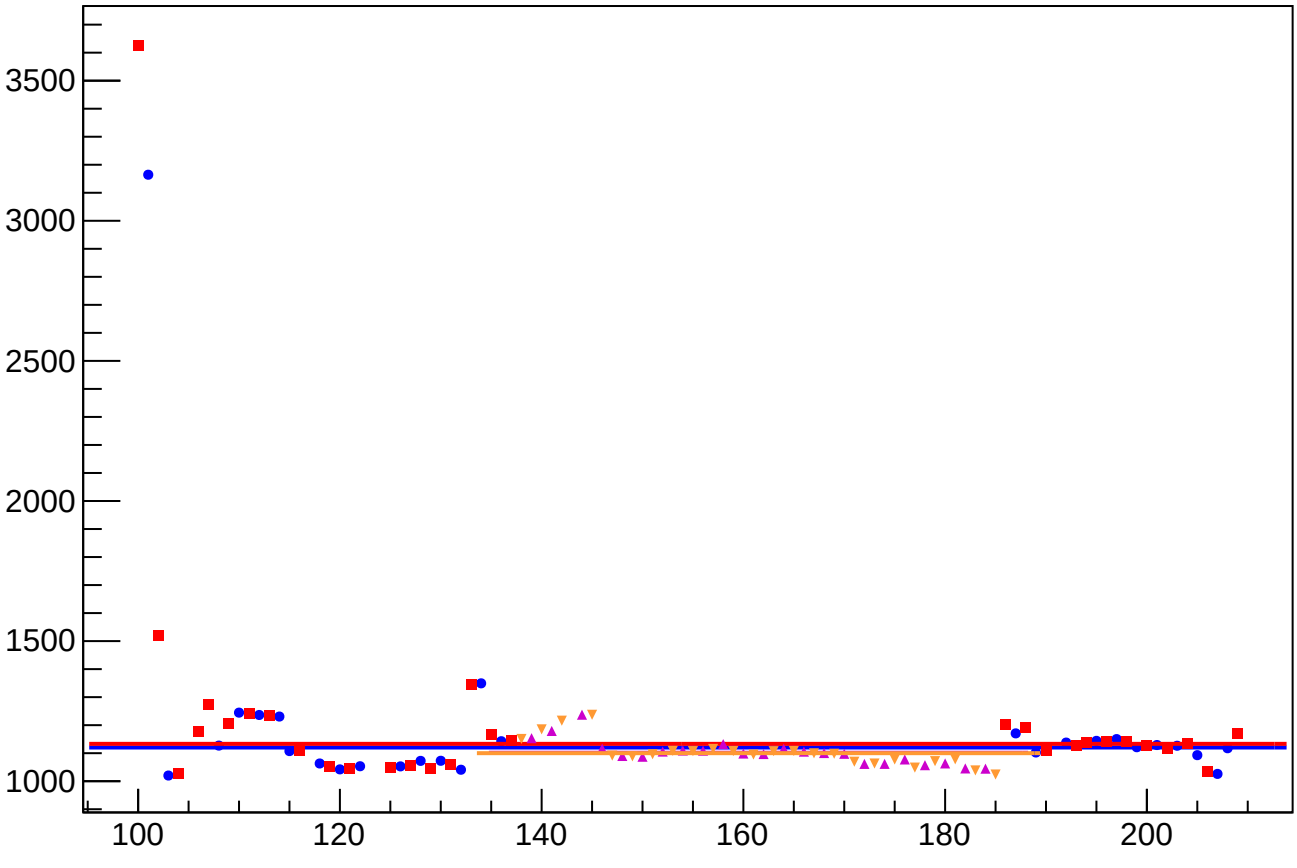
Left: 59.234+/-181.340 χ^2/NDF: 68.5/46

Right: 6.157+/-199.173 χ^2/NDF: 55.5/56

In: -299.273+/-190.888 χ^2/NDF:39.1/49

Out: 360.958+/-188.397 χ^2/NDF:78.8/53

All: 35.178+/-134.089 χ^2/NDF: 124.0/103



Right In: 1120.256+/-0.201 χ^2/NDF: 641451.1/26

Left Out: 1100.063+/-0.181 χ^2/NDF:58733.9/23

Right Out: 1133.322+/-0.197 χ^2/NDF: 249591.5/29

Left In: 1101.530+/-0.182 χ^2/NDF:52145.9/22

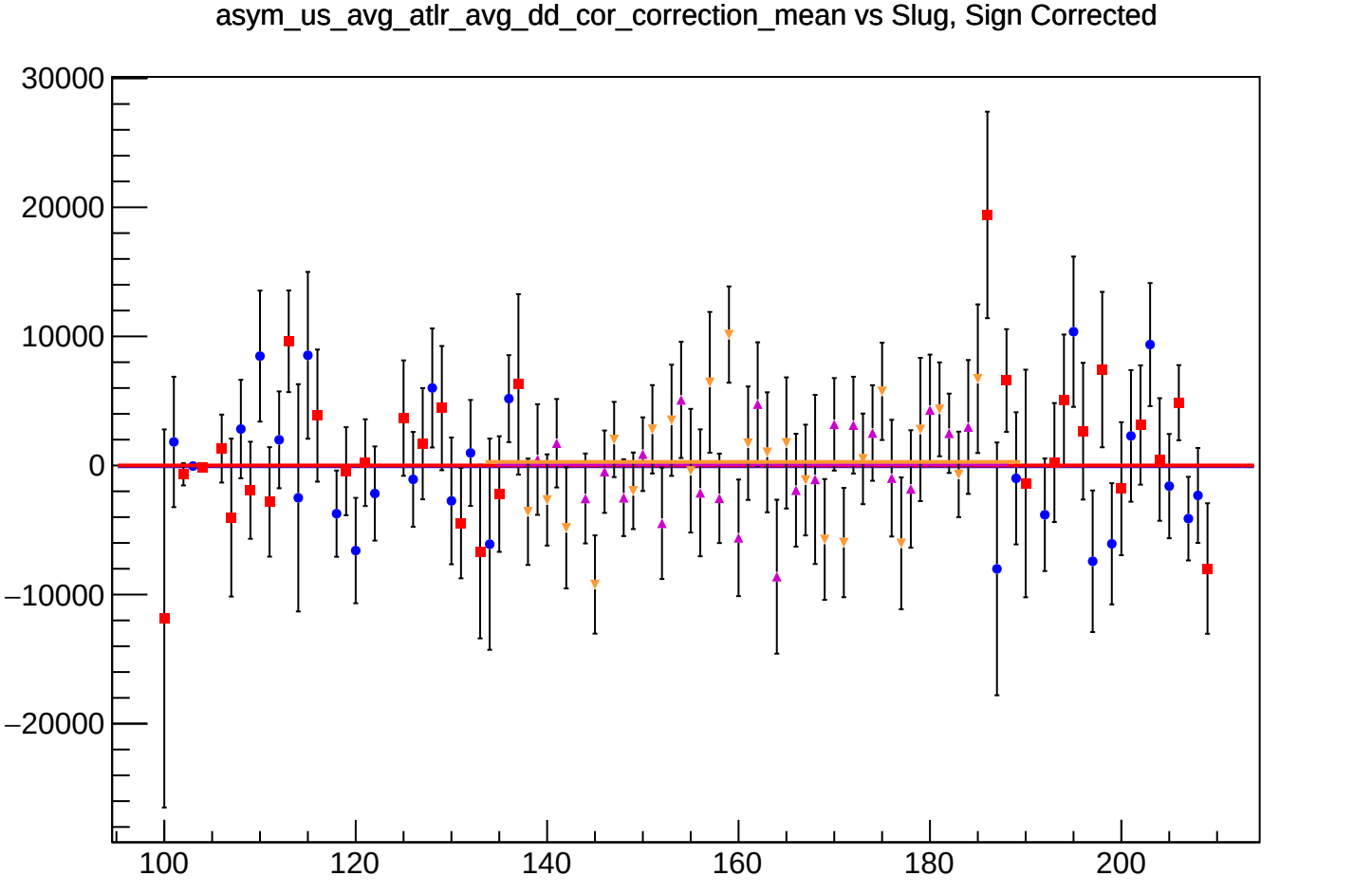
Left: 1100.791+/-0.128 χ^2/NDF: 110912.5/46

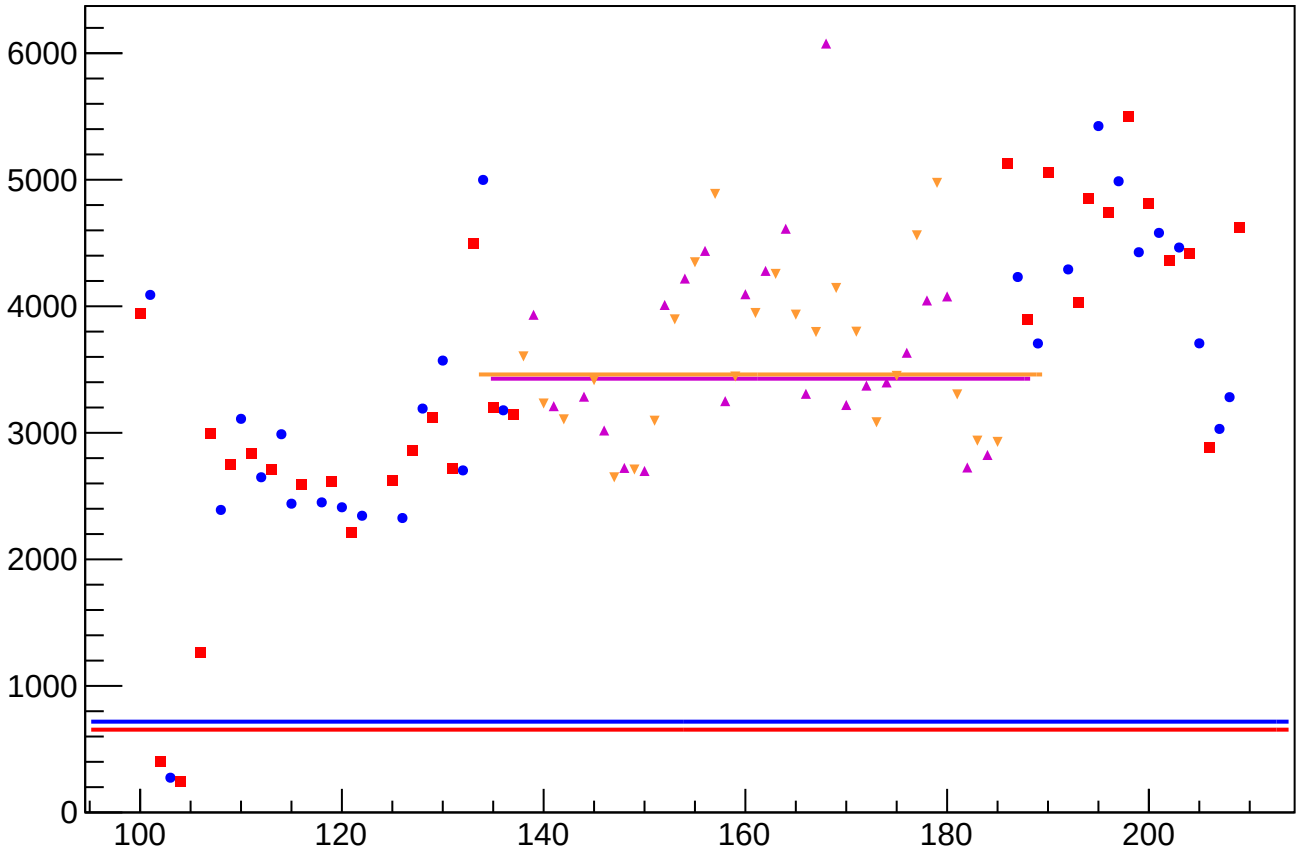
Right: 1126.923+/-0.141 χ^2/NDF: 893193.9/56

In: 1109.956+/-0.135 χ^2/NDF:698360.9/49

Out: 1115.247+/-0.133 χ^2/NDF:323793.2/53

All: 1112.637+/-0.095 χ^2/NDF: 1022932.5/10


asym_us_avg_atlr_avg_dd_cor_correction_mean vs Slug, Sign Corrected
30000
20000
10000
0
−10000
−20000
100
120
140
160
180
200
Right In: -57.916+/-334.315 χ²/NDF: 29.2/26
Left Out: 277.536+/-820.502 χ²/NDF:29.9/23
Right Out: 1.881+/-309.266 χ²/NDF: 31.5/29
Left In: 94.742+/-817.222 χ²/NDF:13.7/22
Left: 185.773+/-579.019 χ²/NDF: 43.6/46
Right: -25.694+/-227.024 χ²/NDF: 60.8/56
In: -36.031+/-309.425 χ²/NDF:42.9/49
Out: 36.172+/-289.391 χ²/NDF:61.5/53
All: 2.483+/-211.358 χ²/NDF: 104.5/103



Right In: 717.500+/-0.236 χ^2/NDF: 22043115.7/26

Left Out: 3461.261+/-0.580 χ^2/NDF:1058691.8/23

Right Out: 654.281+/-0.219 χ^2/NDF: 23435887.9/29

Left In: 3427.857+/-0.578 χ^2/NDF:1243147.4/22

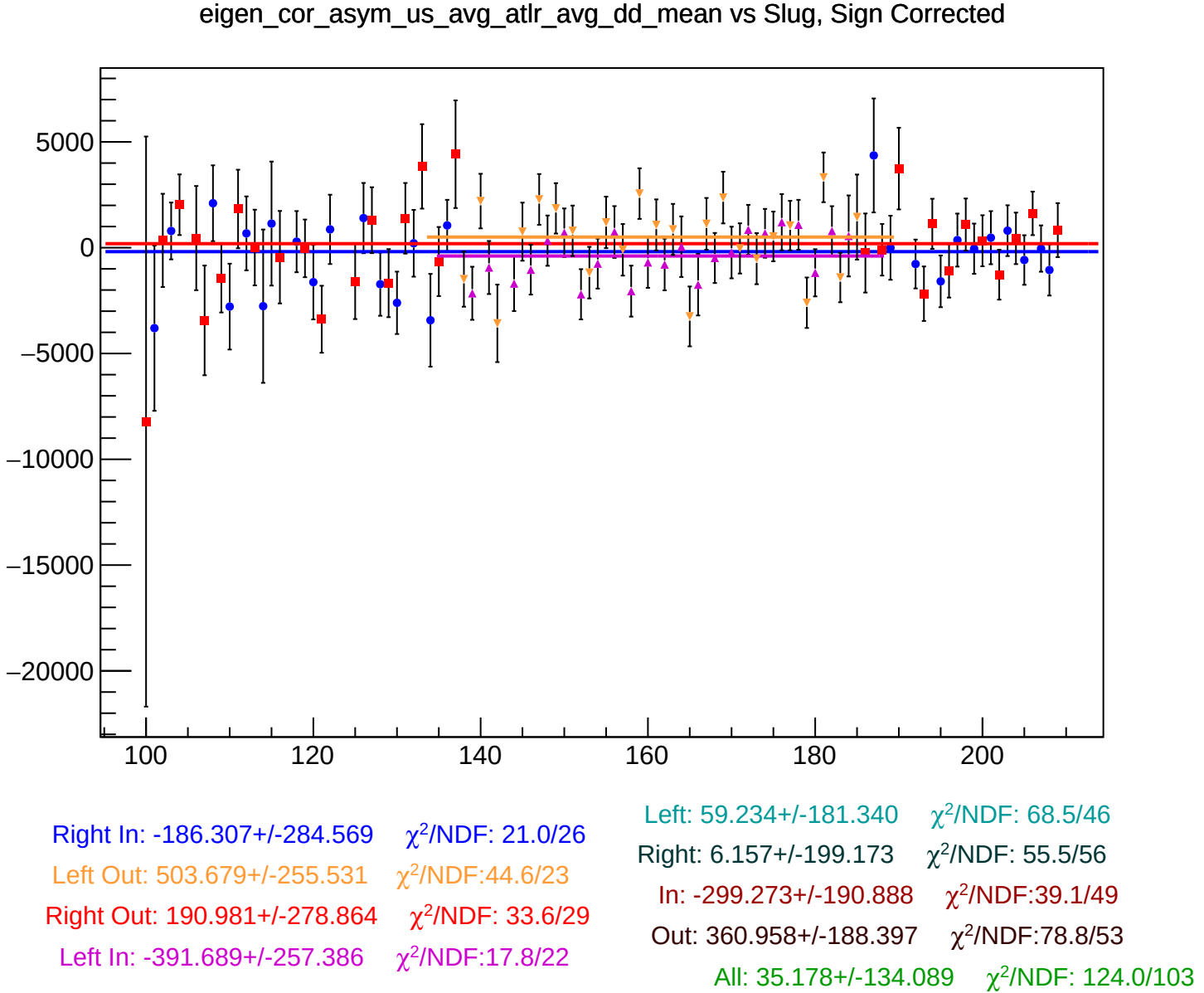
Left: 3444.492+/-0.409 χ^2/NDF: 2303503.3/46

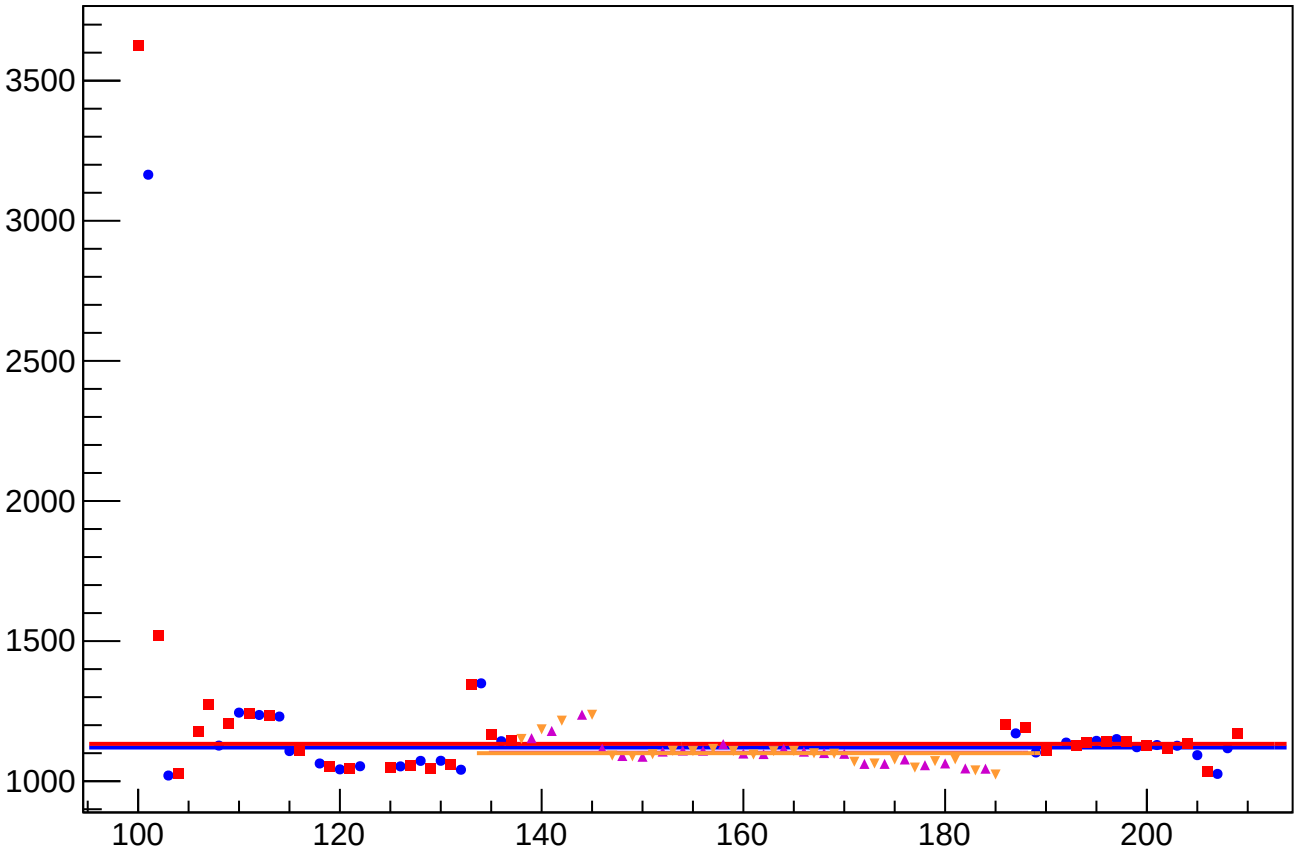
Right: 683.434+/-0.161 χ^2/NDF: 45517541.7/56

In: 1106.058+/-0.219 χ^2/NDF:42131453.2/49

Out: 1003.462+/-0.205 χ^2/NDF:44989990.2/53

All: 1051.332+/-0.149 χ^2/NDF: 87238730.2/1


eigen_cor_asym_us_avg_atlr_avg_dd_mean vs Slug, Sign Corrected
5000
0
−5000
−10000
−15000
−20000
100
120
140
160
180
200
Right In: -186.307+/-284.569 χ²/NDF: 21.0/26
Left Out: 503.679+/-255.531 χ²/NDF:44.6/23
Right Out: 190.981+/-278.864 χ²/NDF: 33.6/29
Left In: -391.689+/-257.386 χ²/NDF:17.8/22
Left: 59.234+/-181.340 χ²/NDF: 68.5/46
Right: 6.157+/-199.173 χ²/NDF: 55.5/56
In: -299.273+/-190.888 χ²/NDF:39.1/49
Out: 360.958+/-188.397 χ²/NDF:78.8/53
All: 35.178+/-134.089 χ²/NDF: 124.0/103



Right In: 1120.256+/-0.201 χ^2/NDF: 641451.1/26

Left Out: 1100.063+/-0.181 χ^2/NDF:58733.9/23

Right Out: 1133.322+/-0.197 χ^2/NDF: 249591.5/29

Left In: 1101.530+/-0.182 χ^2/NDF:52145.9/22

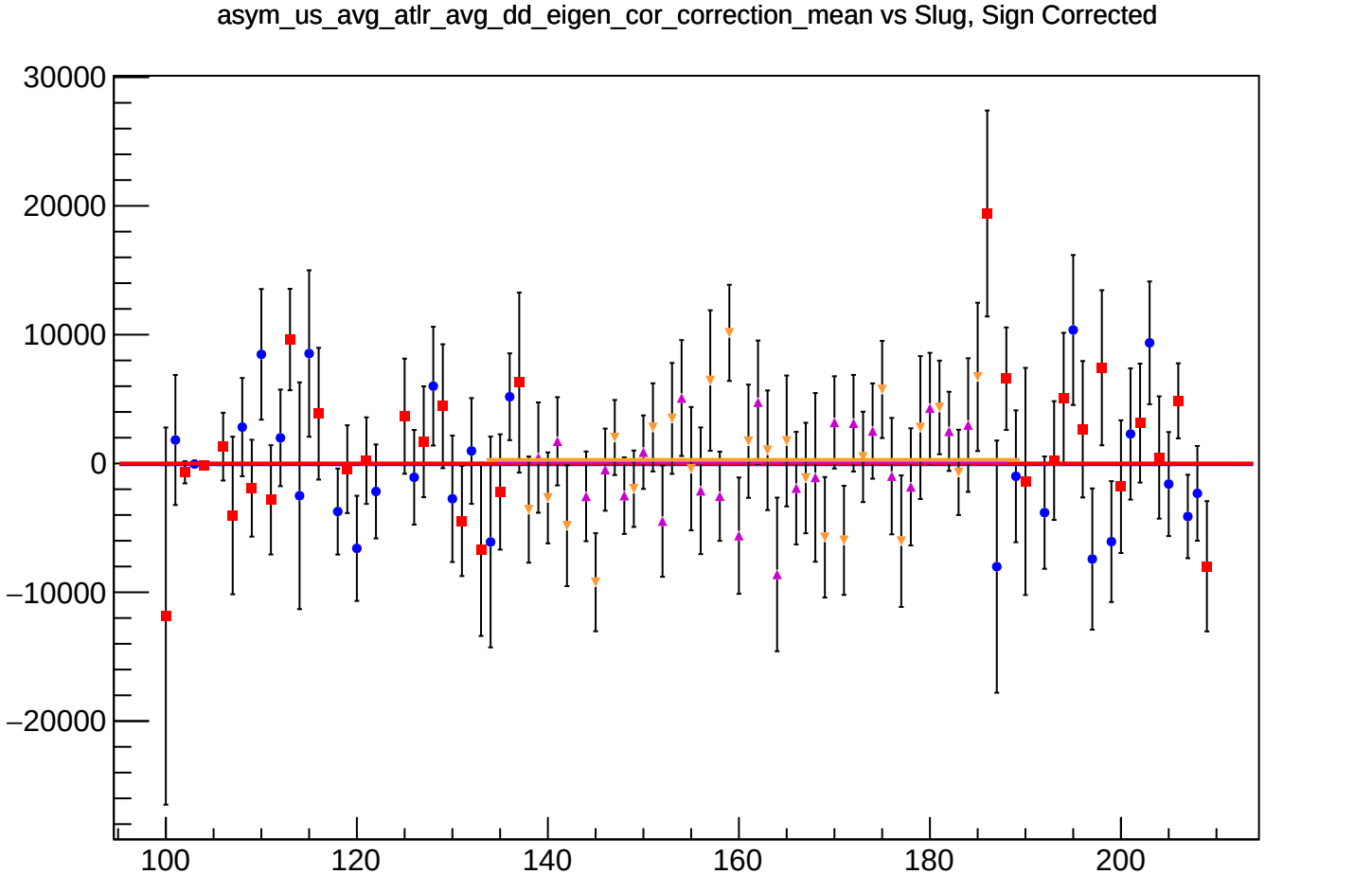
Left: 1100.791+/-0.128 χ^2/NDF: 110912.5/46

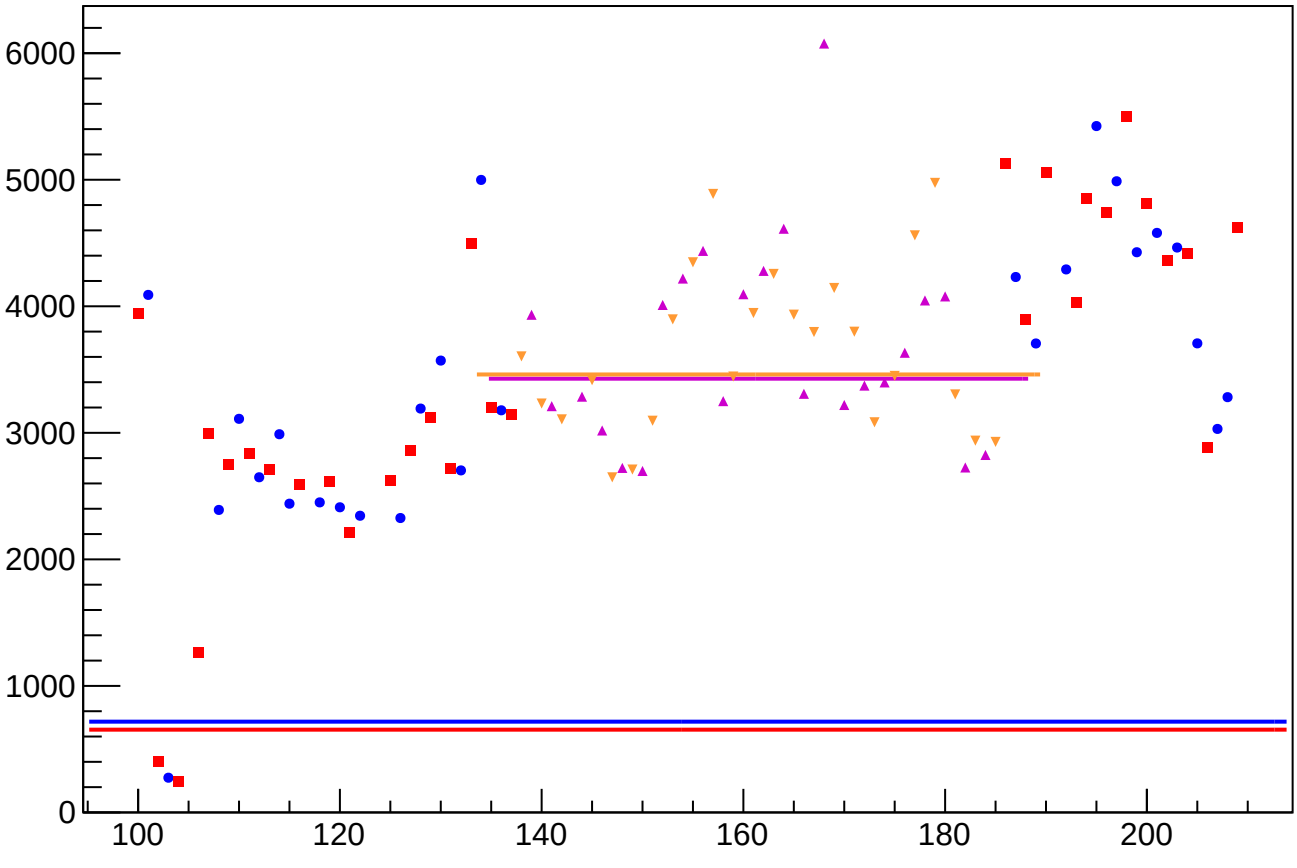
Right: 1126.923+/-0.141 χ^2/NDF: 893193.9/56

In: 1109.956+/-0.135 χ^2/NDF:698360.9/49

Out: 1115.247+/-0.133 χ^2/NDF:323793.2/53

All: 1112.637+/-0.095 χ^2/NDF: 1022932.5/10


asym_us_avg_atlr_avg_dd_eigen_cor_correction_mean vs Slug, Sign Corrected
30000
20000
10000
0
−10000
−20000
100
120
140
160
180
200
Right In: -57.916+/-334.315 χ²/NDF: 29.2/26
Left Out: 277.536+/-820.502 χ²/NDF:29.9/23
Right Out: 1.881+/-309.266 χ²/NDF: 31.5/29
Left In: 94.742+/-817.222 χ²/NDF:13.7/22
Left: 185.773+/-579.019 χ²/NDF: 43.6/46
Right: -25.694+/-227.024 χ²/NDF: 60.8/56
In: -36.031+/-309.425 χ²/NDF:42.9/49
Out: 36.172+/-289.391 χ²/NDF:61.5/53
All: 2.483+/-211.358 χ²/NDF: 104.5/103



Right In: 717.500+/-0.236 χ^2/NDF: 22043115.7/26

Left Out: 3461.261+/-0.580 χ^2/NDF:1058691.8/23

Right Out: 654.281+/-0.219 χ^2/NDF: 23435887.9/29

Left In: 3427.857+/-0.578 χ^2/NDF:1243147.4/22

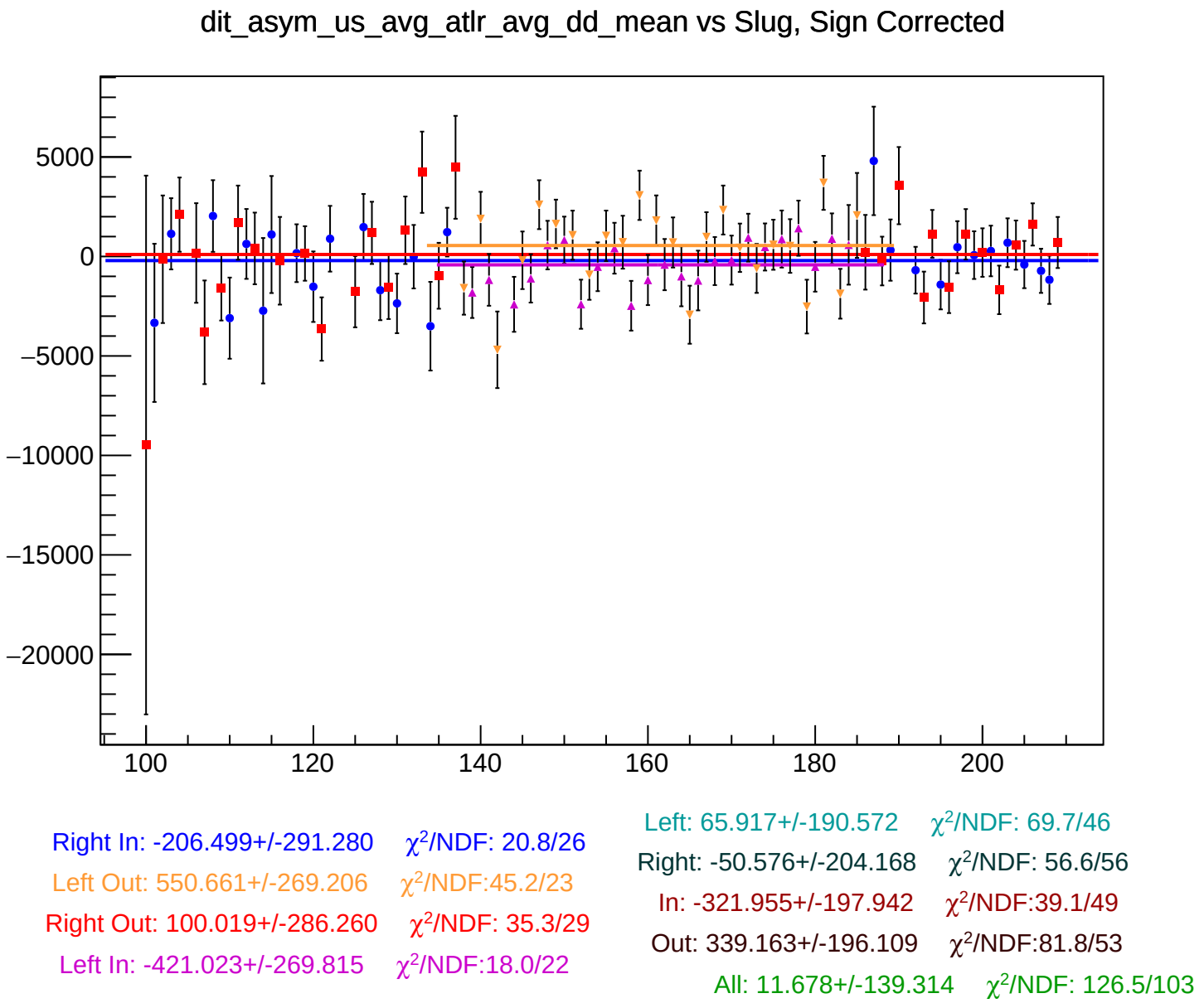
Left: 3444.492+/-0.409 χ^2/NDF: 2303503.3/46

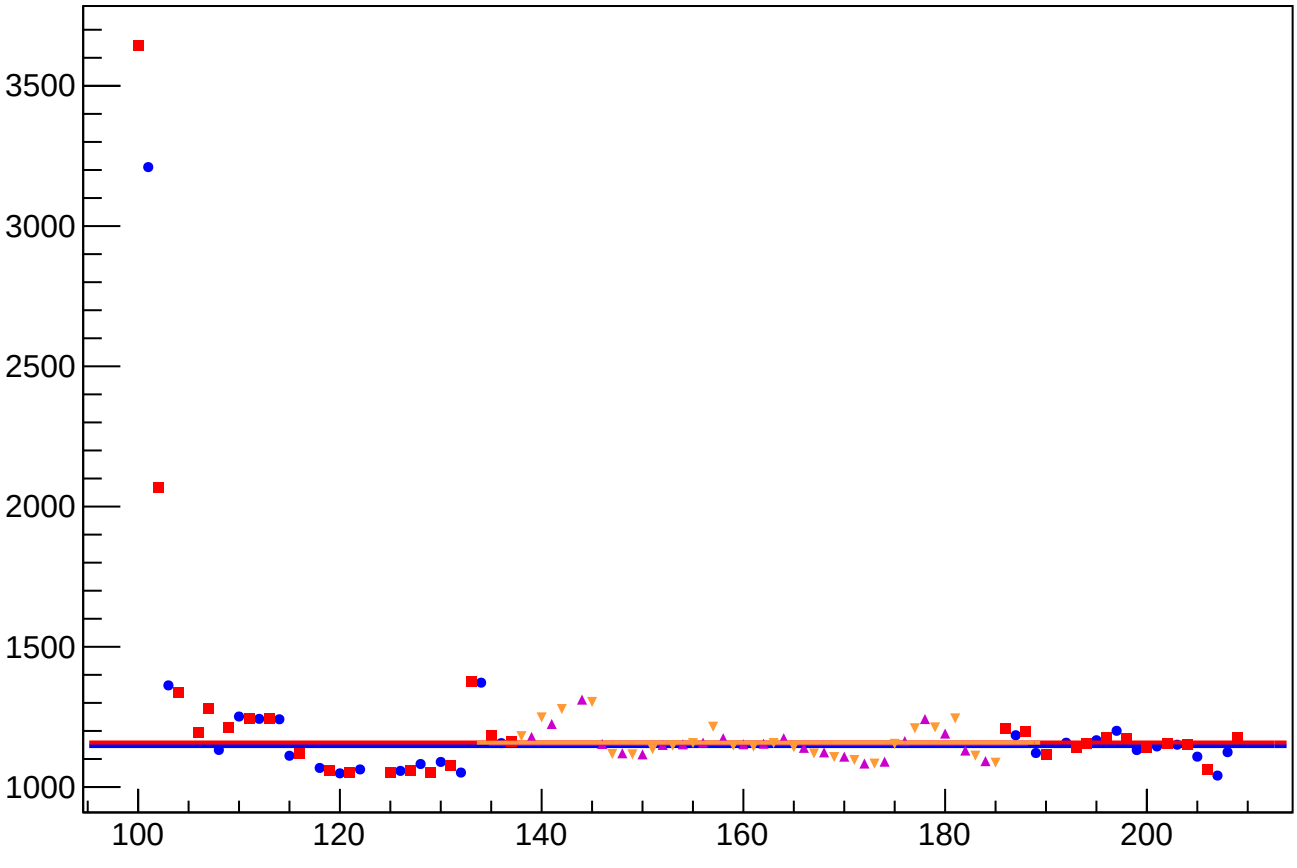
Right: 683.434+/-0.161 χ^2/NDF: 45517541.7/56

In: 1106.058+/-0.219 χ^2/NDF:42131453.2/49

Out: 1003.462+/-0.205 χ^2/NDF:44989990.2/53

All: 1051.332+/-0.149 χ^2/NDF: 87238730.2/1


dit_asym_us_avg_atlr_avg_dd_mean vs Slug, Sign Corrected
5000
0
−5000
−10000
−15000
−20000
100
120
140
160
180
200
Right In: -206.499+/-291.280 χ²/NDF: 20.8/26
Left Out: 550.661+/-269.206 χ²/NDF:45.2/23
Right Out: 100.019+/-286.260 χ²/NDF: 35.3/29
Left In: -421.023+/-269.815 χ²/NDF:18.0/22
Left: 65.917+/-190.572 χ²/NDF: 69.7/46
Right: -50.576+/-204.168 χ²/NDF: 56.6/56
In: -321.955+/-197.942 χ²/NDF:39.1/49
Out: 339.163+/-196.109 χ²/NDF:81.8/53
All: 11.678+/-139.314 χ²/NDF: 126.5/103



Right In: 1146.075+/-0.206 χ^2/NDF: 664296.0/26

Left Out: 1158.177+/-0.190 χ^2/NDF:84111.8/23

Right Out: 1158.860+/-0.202 χ^2/NDF: 356028.5/29

Left In: 1154.231+/-0.191 χ^2/NDF:66476.9/22

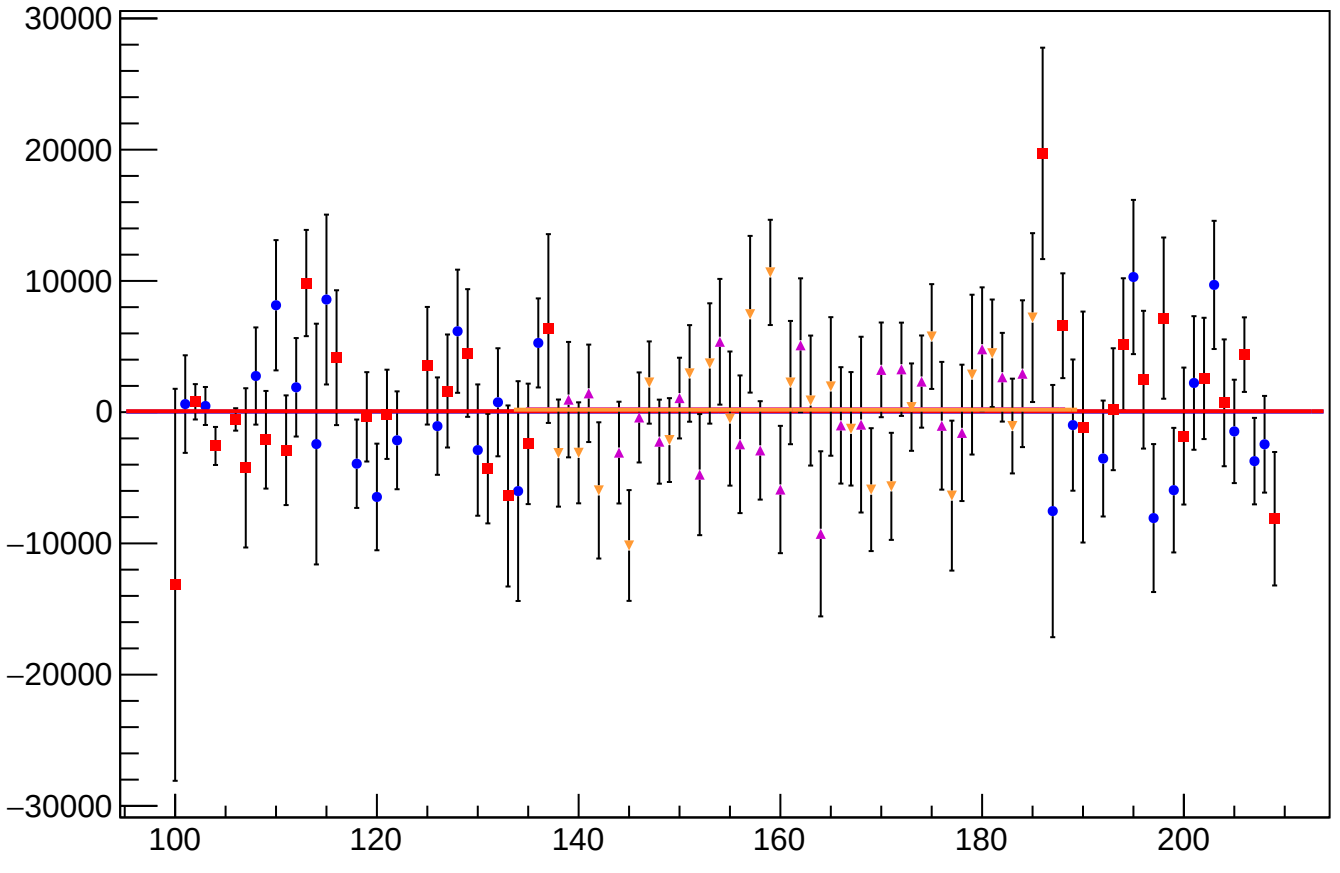
Left: 1156.208+/-0.135 χ^2/NDF: 150803.1/46

Right: 1152.580+/-0.144 χ^2/NDF: 1022285.0/56

In: 1150.464+/-0.140 χ^2/NDF:731616.9/49

Out: 1158.497+/-0.139 χ^2/NDF:440146.3/53

All: 1154.518+/-0.099 χ^2/NDF: 1173425.7/10



Right In: 41.138+/-739.927 χ^2/NDF: 28.8/26

Left Out: 189.735+/-869.432 χ^2/NDF:29.3/23

Right Out: 70.766+/-523.313 χ^2/NDF: 33.9/29

Left In: 221.361+/-864.775 χ^2/NDF:13.4/22

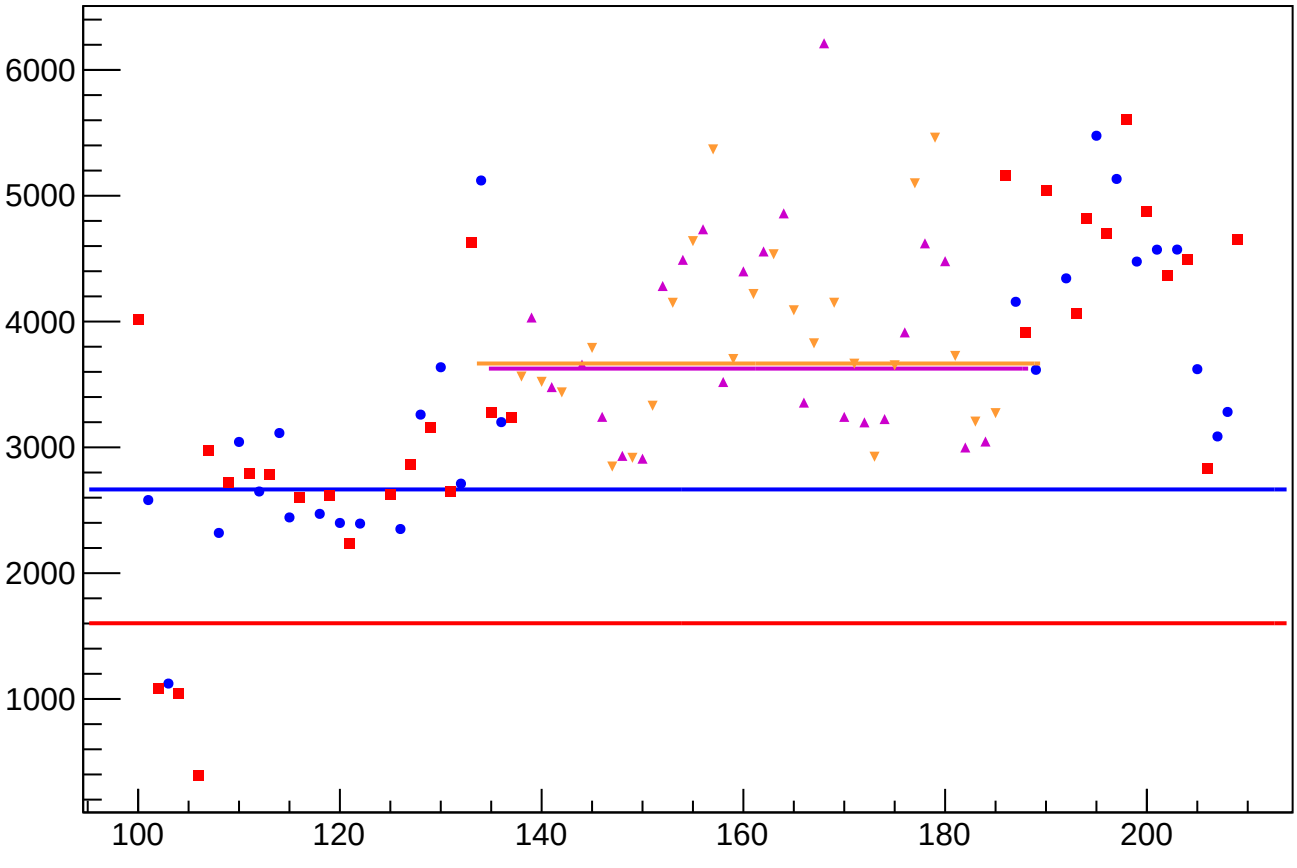
Left: 205.633+/-613.128 χ^2/NDF: 42.7/46

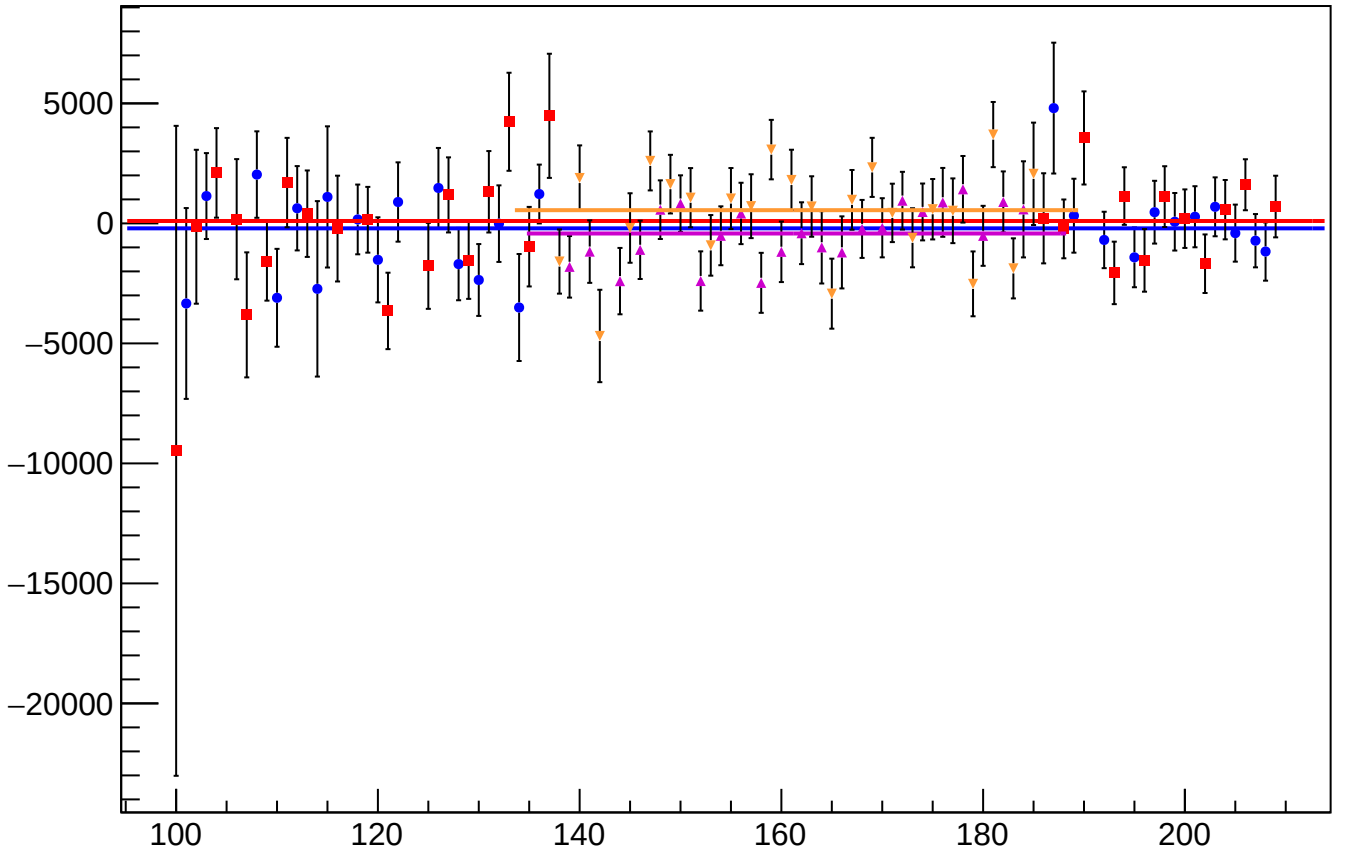
Right: 60.887+/-427.255 χ^2/NDF: 62.7/56

In: 117.313+/-562.215 χ^2/NDF:42.2/49

Out: 102.405+/-448.361 χ^2/NDF:63.2/53

All: 108.200+/-350.540 χ^2/NDF: 105.4/103


asym_us_avg_atlr_avg_dd_dit_correction_rms vs Slug, Sign Corrected
6000
5000
4000
3000
2000
1000
100
120
140
160
180
200
Right In: 2665.536+/-0.523 χ²/NDF: 5013238.3/26
Left Out: 3666.536+/-0.615 χ²/NDF:1095831.4/23
Right Out: 1601.915+/-0.370 χ²/NDF: 14578879.4/29
Left In: 3625.940+/-0.611 χ²/NDF:1257928.4/22
Left: 3646.129+/-0.434 χ²/NDF: 2355951.7/46
Right: 1956.551+/-0.302 χ²/NDF: 22346830.3/56
In: 3071.467+/-0.398 χ²/NDF:7695323.2/49
Out: 2150.980+/-0.317 χ²/NDF:23953573.1/53
All: 2508.819+/-0.248 χ²/NDF: 34925922.2/



Right In: -206.497+/-291.280 χ^2/NDF: 20.8/26

Left Out: 550.663+/-269.206 χ^2/NDF:45.2/23

Right Out: 100.018+/-286.260 χ^2/NDF: 35.3/29

Left In: -421.022+/-269.815 χ^2/NDF:18.0/22

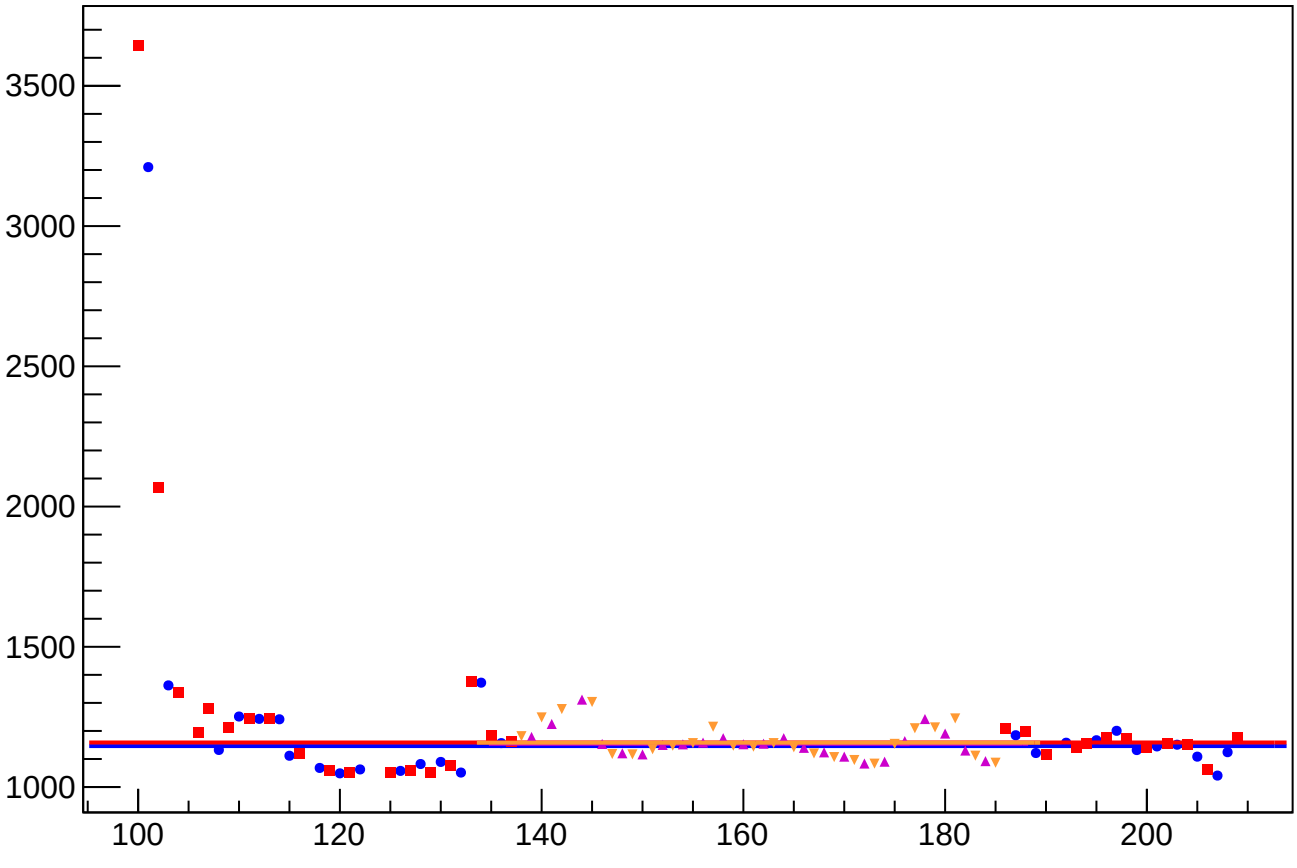
Left: 65.918+/-190.573 χ^2/NDF: 69.7/46

Right: -50.576+/-204.168 χ^2/NDF: 56.6/56

In: -321.954+/-197.942 χ^2/NDF:39.1/49

Out: 339.163+/-196.110 χ^2/NDF:81.8/53

All: 11.679+/-139.314 χ^2/NDF: 126.5/103



Right In: 1146.075+/-0.206 χ^2/NDF: 664296.3/26

Left Out: 1158.178+/-0.190 χ^2/NDF:84114.3/23

Right Out: 1158.860+/-0.202 χ^2/NDF: 356028.3/29

Left In: 1154.232+/-0.191 χ^2/NDF:66479.5/22

Left: 1156.209+/-0.135 χ^2/NDF: 150808.1/46

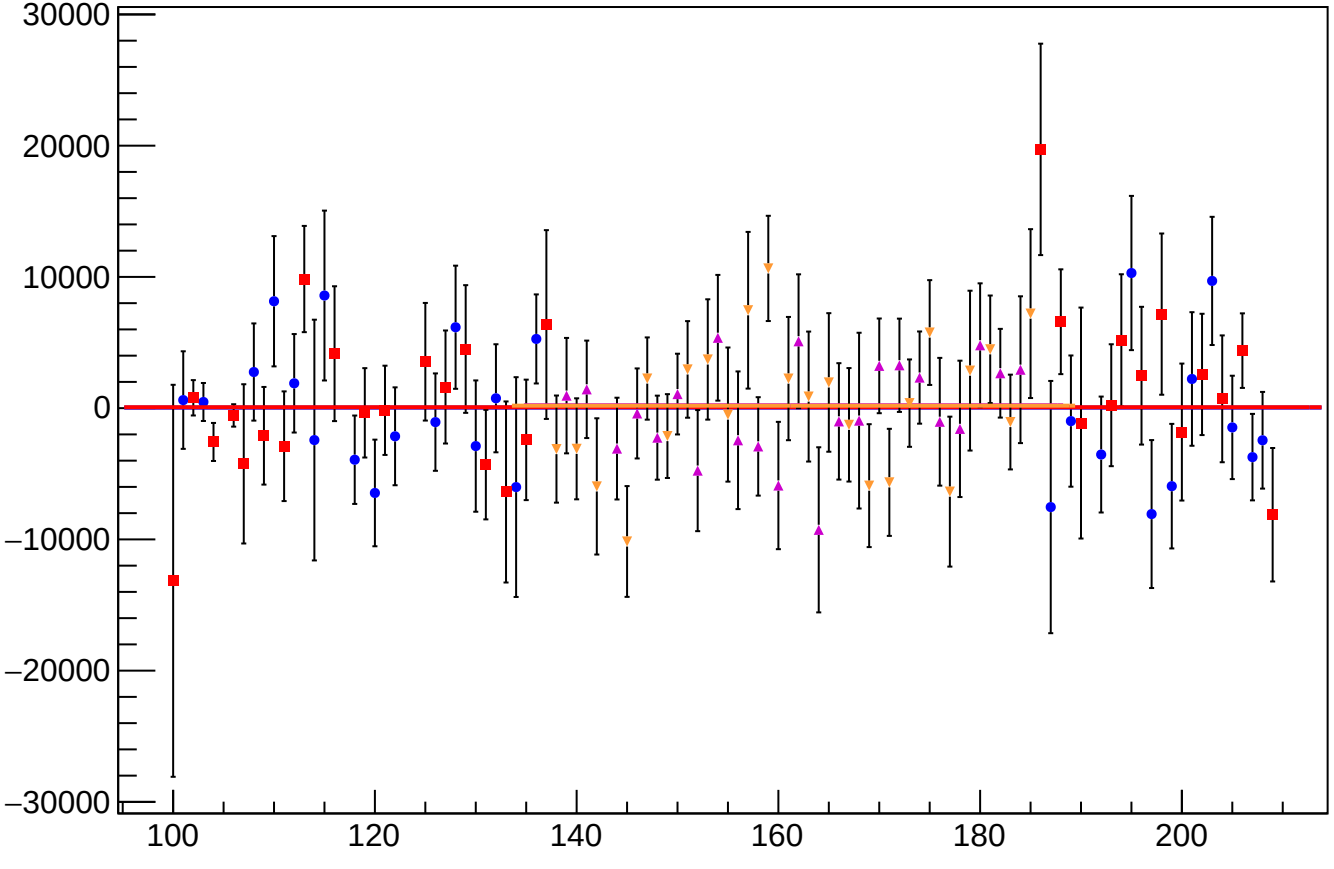
Right: 1152.580+/-0.144 χ^2/NDF: 1022285.2/56

In: 1150.465+/-0.140 χ^2/NDF:731620.0/49

Out: 1158.498+/-0.139 χ^2/NDF:440148.6/53

All: 1154.519+/-0.099 χ^2/NDF: 1173431.1/10

asym_us_avg_atlr_avg_dd_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: 41.136+/-739.927 χ^2/NDF: 28.8/26

Left Out: 189.735+/-869.434 χ^2/NDF:29.3/23

Right Out: 70.755+/-523.308 χ^2/NDF: 33.9/29

Left In: 221.363+/-864.776 χ^2/NDF:13.4/22

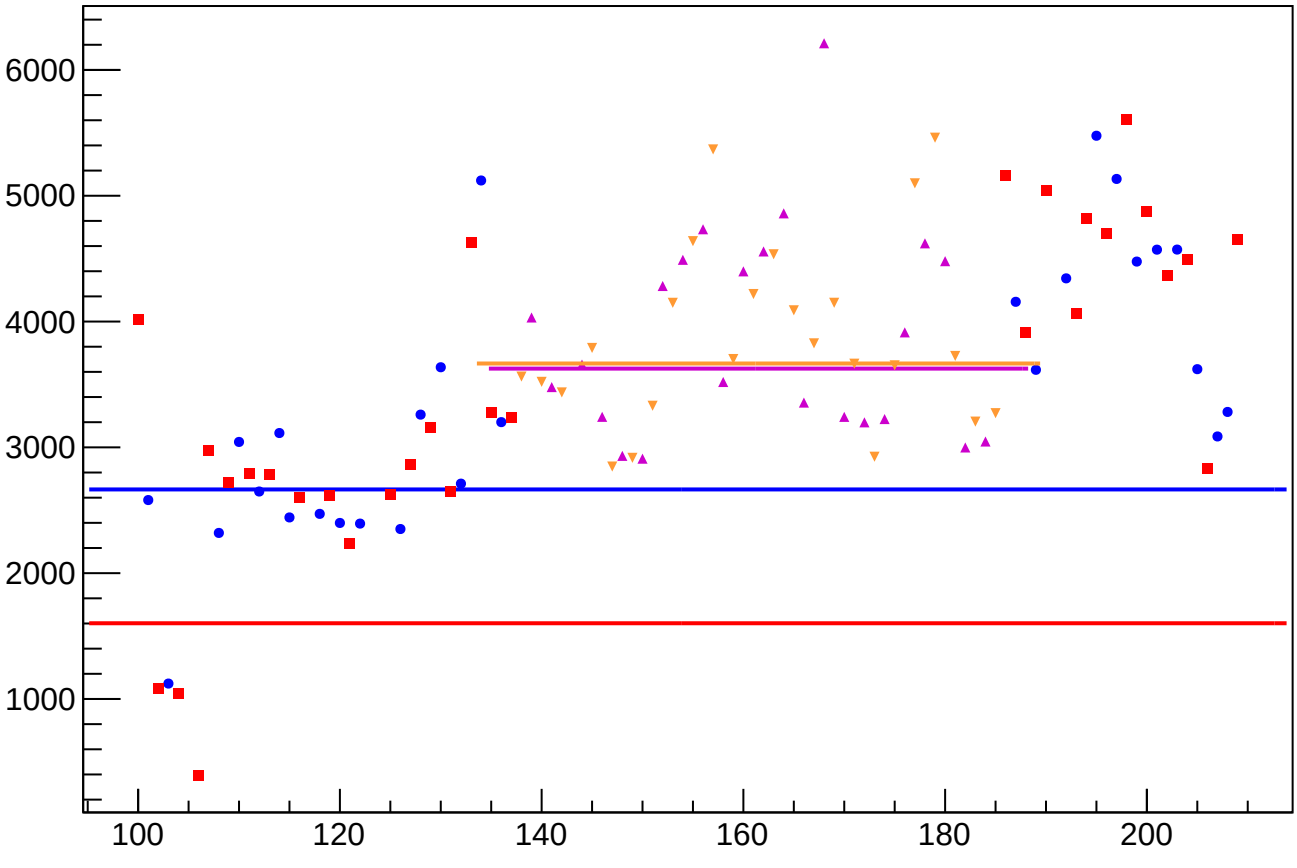
Left: 205.634+/-613.129 χ^2/NDF: 42.7/46

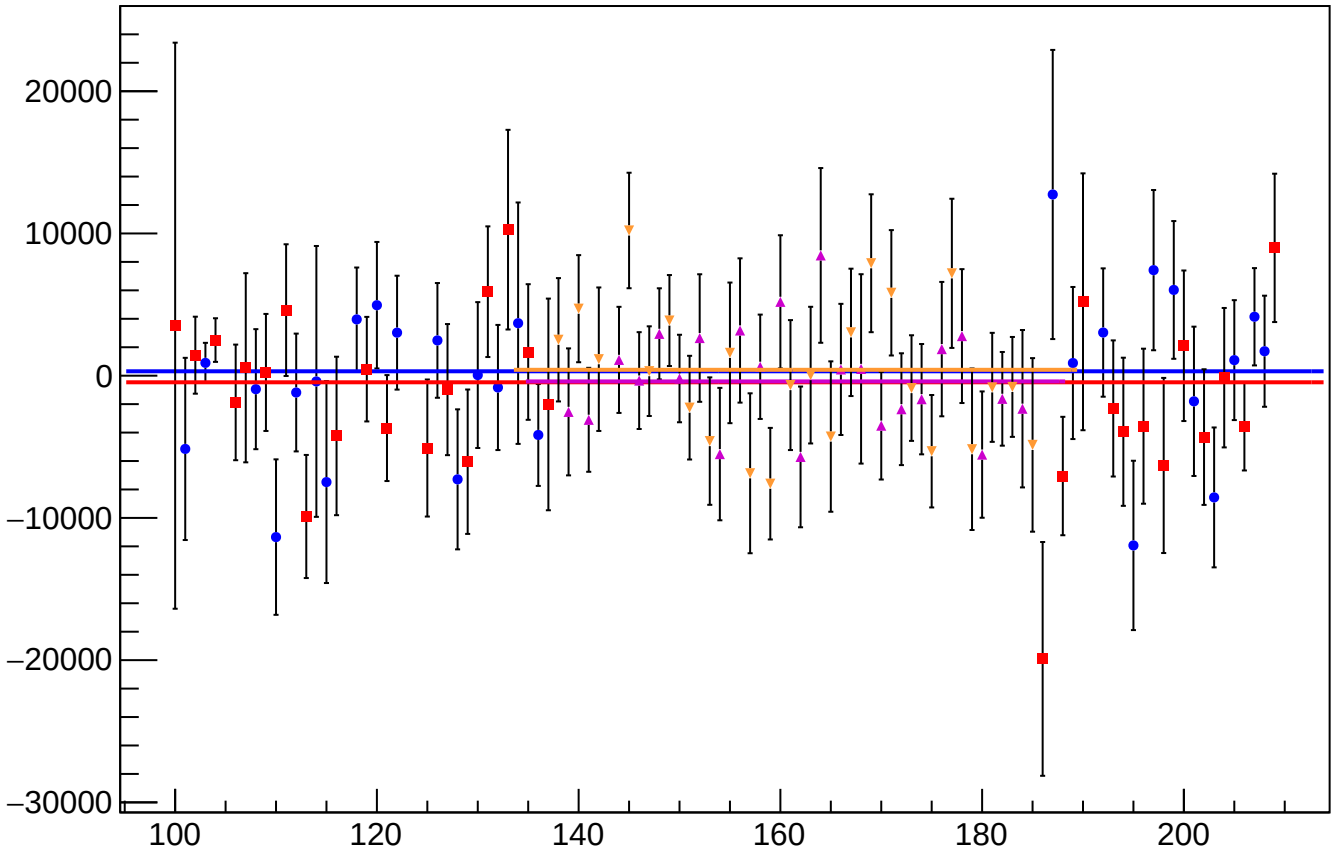
Right: 60.879+/-427.252 χ^2/NDF: 62.7/56

In: 117.312+/-562.215 χ^2/NDF:42.2/49

Out: 102.396+/-448.358 χ^2/NDF:63.2/53

All: 108.194+/-350.538 χ^2/NDF: 105.4/103


asym_us_avg_atlr_avg_dd_eigen_dit_correction_rms vs Slug, Sign Corrected
6000
5000
4000
3000
2000
1000
100
120
140
160
180
200
Right In: 2665.533+/-0.523 χ²/NDF: 5013257.6/26
Left Out: 3666.541+/-0.615 χ²/NDF:1095834.2/23
Right Out: 1601.886+/-0.370 χ²/NDF: 14579170.2/29
Left In: 3625.945+/-0.611 χ²/NDF:1257933.0/22
Left: 3646.134+/-0.434 χ²/NDF: 2355959.1/46
Right: 1956.526+/-0.302 χ²/NDF: 22347296.2/56
In: 3071.467+/-0.398 χ²/NDF:7695368.2/49
Out: 2150.951+/-0.317 χ²/NDF:23954166.6/53
All: 2508.798+/-0.248 χ²/NDF: 34926781.1/1



Right In: 309.503+/-775.989 χ^2/NDF: 27.8/26

Left Out: 413.494+/-865.331 χ^2/NDF:27.2/23

Right Out: -464.400+/-760.096 χ^2/NDF: 33.8/29

Left In: -403.543+/-862.437 χ^2/NDF:12.3/22

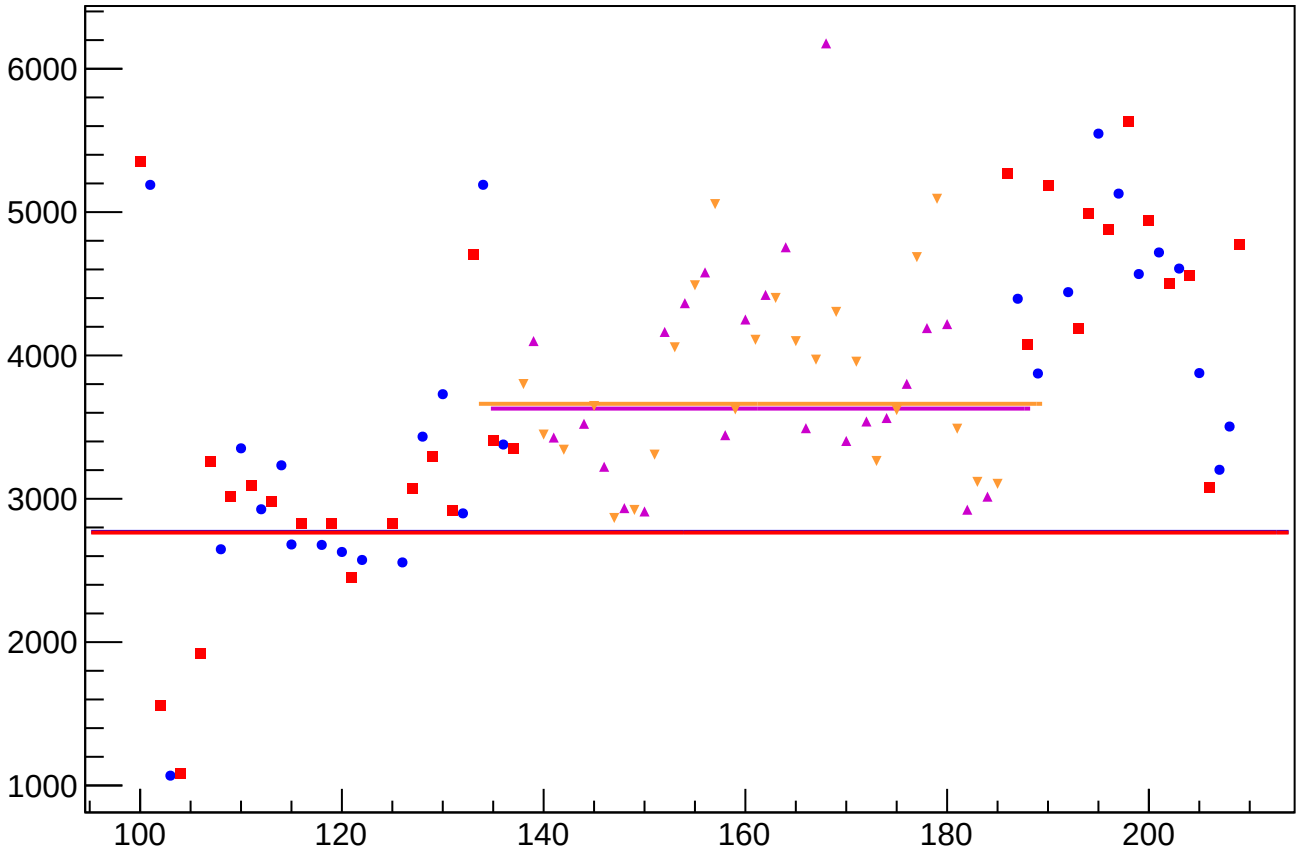
Left: 3.607+/-610.856 χ^2/NDF: 39.9/46

Right: -85.455+/-543.001 χ^2/NDF: 62.1/56

In: -9.502+/-576.856 χ^2/NDF:40.5/49

Out: -82.054+/-571.071 χ^2/NDF:61.6/53

All: -46.143+/-405.838 χ^2/NDF: 102.1/103



Right In: 2769.124+/-0.549 χ^2/NDF: 5846232.9/26

Left Out: 3662.662+/-0.612 χ^2/NDF:893468.3/23

Right Out: 2764.434+/-0.537 χ^2/NDF: 6211714.1/29

Left In: 3629.184+/-0.610 χ^2/NDF:1054949.6/22

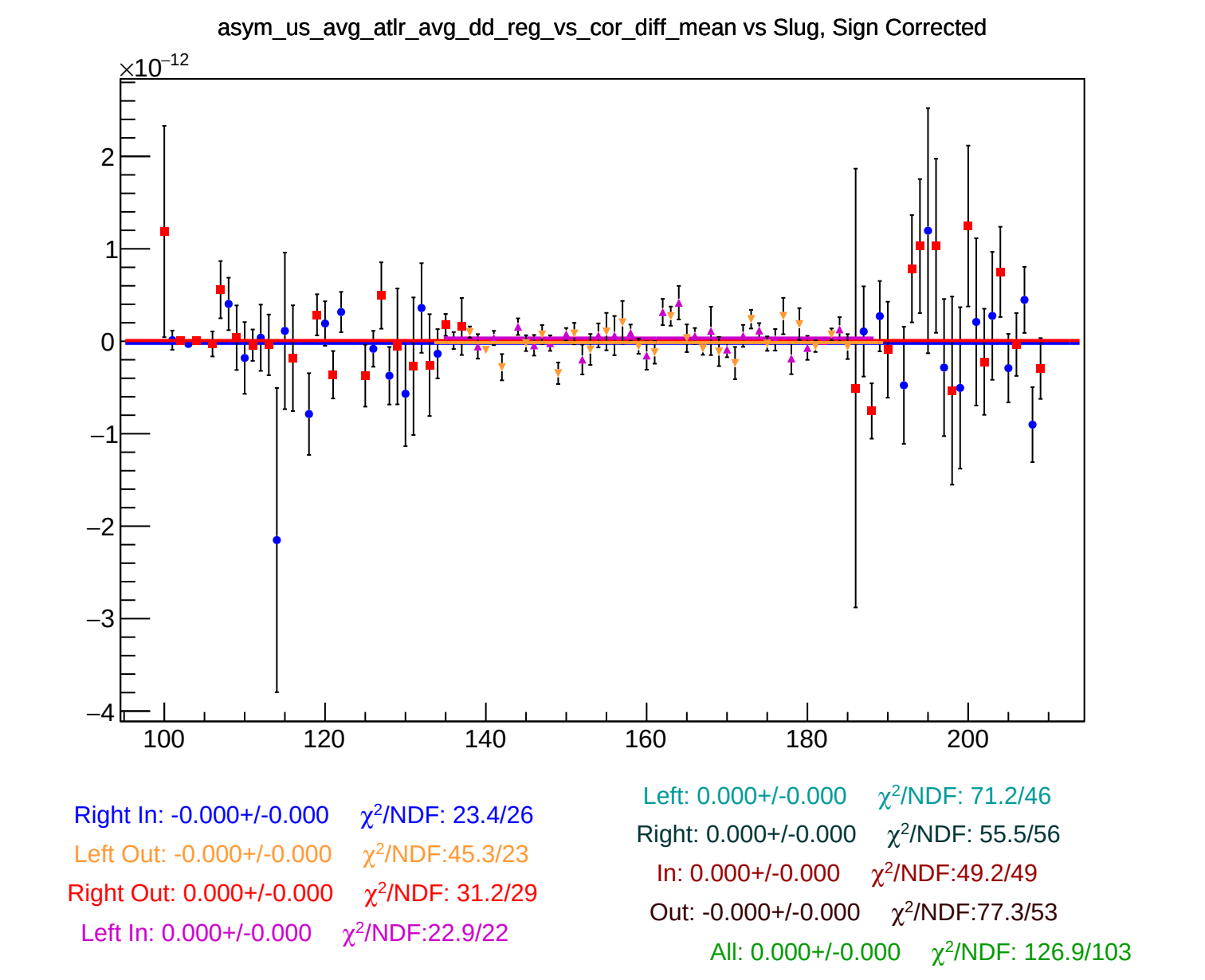
Left: 3645.867+/-0.432 χ^2/NDF: 1949919.7/46

Right: 2766.726+/-0.384 χ^2/NDF: 12057984.3/56

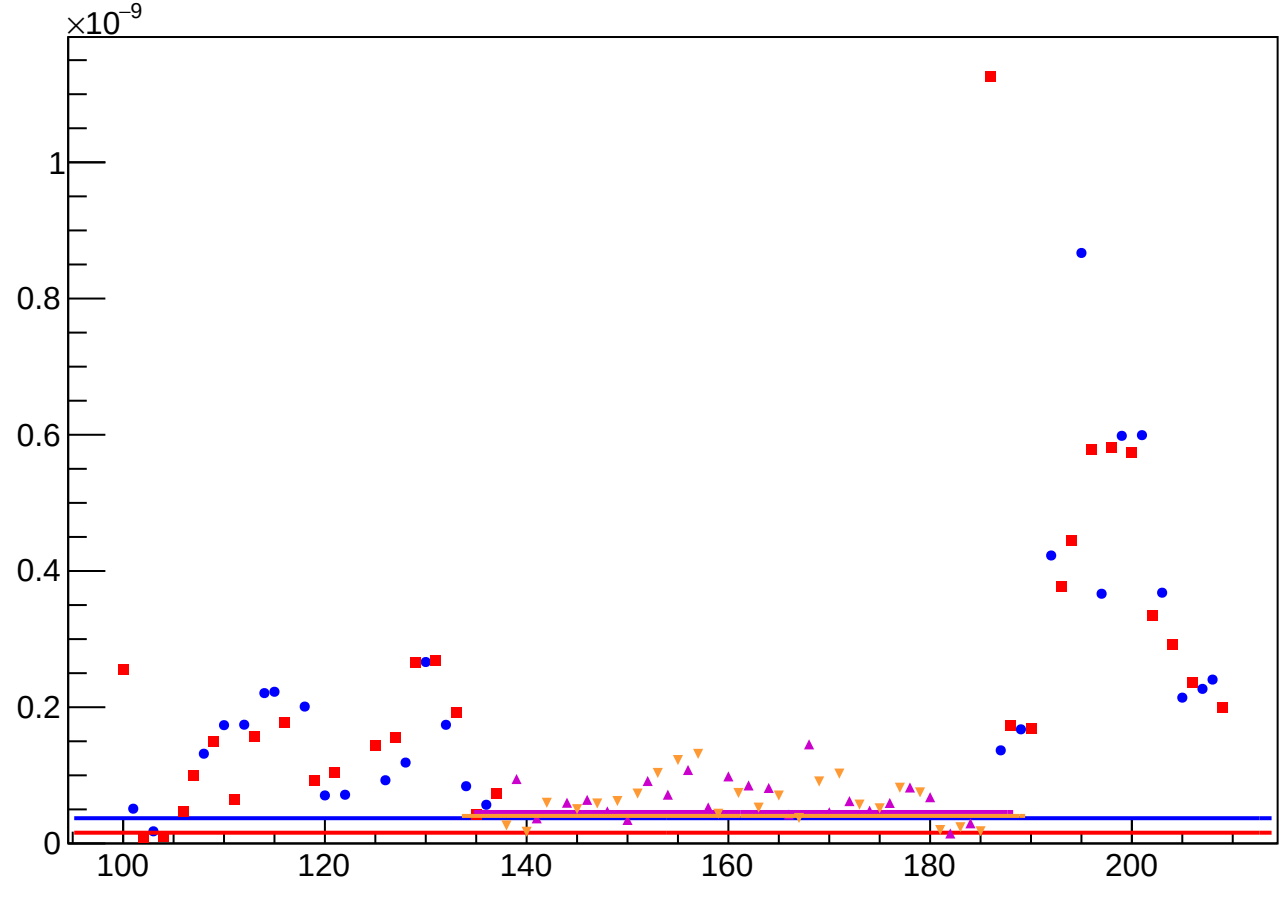
In: 3153.900+/-0.408 χ^2/NDF:8000331.9/49

Out: 3154.876+/-0.403 χ^2/NDF:8323421.8/53

All: 3154.393+/-0.287 χ^2/NDF: 16323756.6/1


asym_us_avg_atlr_avg_dd_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
2
1
0
−1
−2
−3
−4
100
120
140
160
180
200
Right In: -0.000+/-0.000 χ²/NDF: 23.4/26
Left Out: -0.000+/-0.000 χ²/NDF:45.3/23
Right Out: 0.000+/-0.000 χ²/NDF: 31.2/29
Left In: 0.000+/-0.000 χ²/NDF:22.9/22
Left: 0.000+/-0.000 χ²/NDF: 71.2/46
Right: 0.000+/-0.000 χ²/NDF: 55.5/56
In: 0.000+/-0.000 χ²/NDF:49.2/49
Out: -0.000+/-0.000 χ²/NDF:77.3/53
All: 0.000+/-0.000 χ²/NDF: 126.9/103

asym_us_avg_atlr_avg_dd_reg_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 8936003.9/26

Left Out: 0.000+/-0.000 χ^2/NDF:3432253.9/23

Right Out: 0.000+/-0.000 χ^2/NDF: 11244037.2/29

Left In: 0.000+/-0.000 χ^2/NDF:2954466.9/22

Left: 0.000+/-0.000 χ^2/NDF: 6474821.5/46

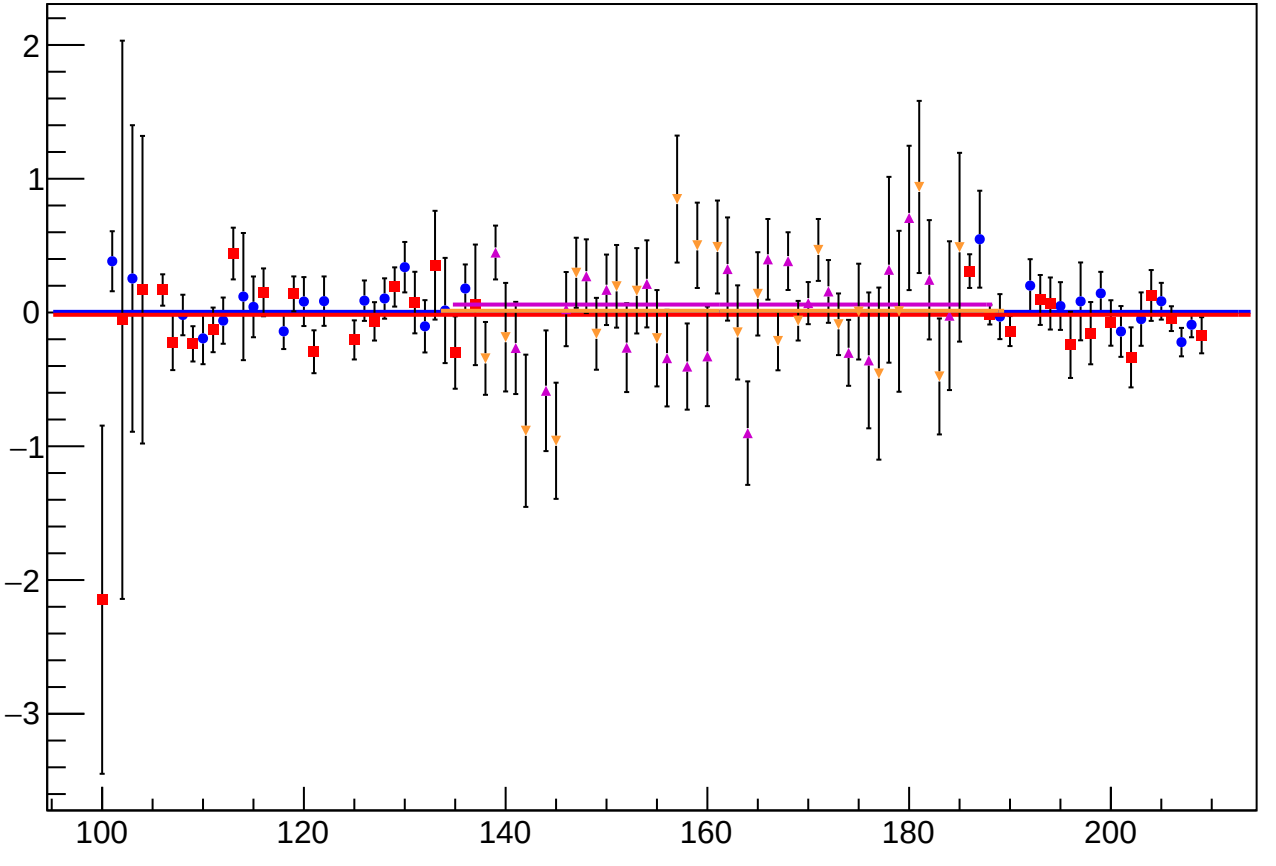
Right: 0.000+/-0.000 χ^2/NDF: 21243886.0/56

In: 0.000+/-0.000 χ^2/NDF:12051116.3/49

Out: 0.000+/-0.000 χ^2/NDF:16825155.6/53

All: 0.000+/-0.000 χ^2/NDF: 30441392.6/103

asym_us_avg_atlr_avg_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.005+/-0.033 χ^2/NDF: 21.6/26

Left Out: 0.013+/-0.063 χ^2/NDF:29.3/23

Right Out: -0.017+/-0.029 χ^2/NDF: 39.8/29

Left In: 0.059+/-0.062 χ^2/NDF:27.9/22

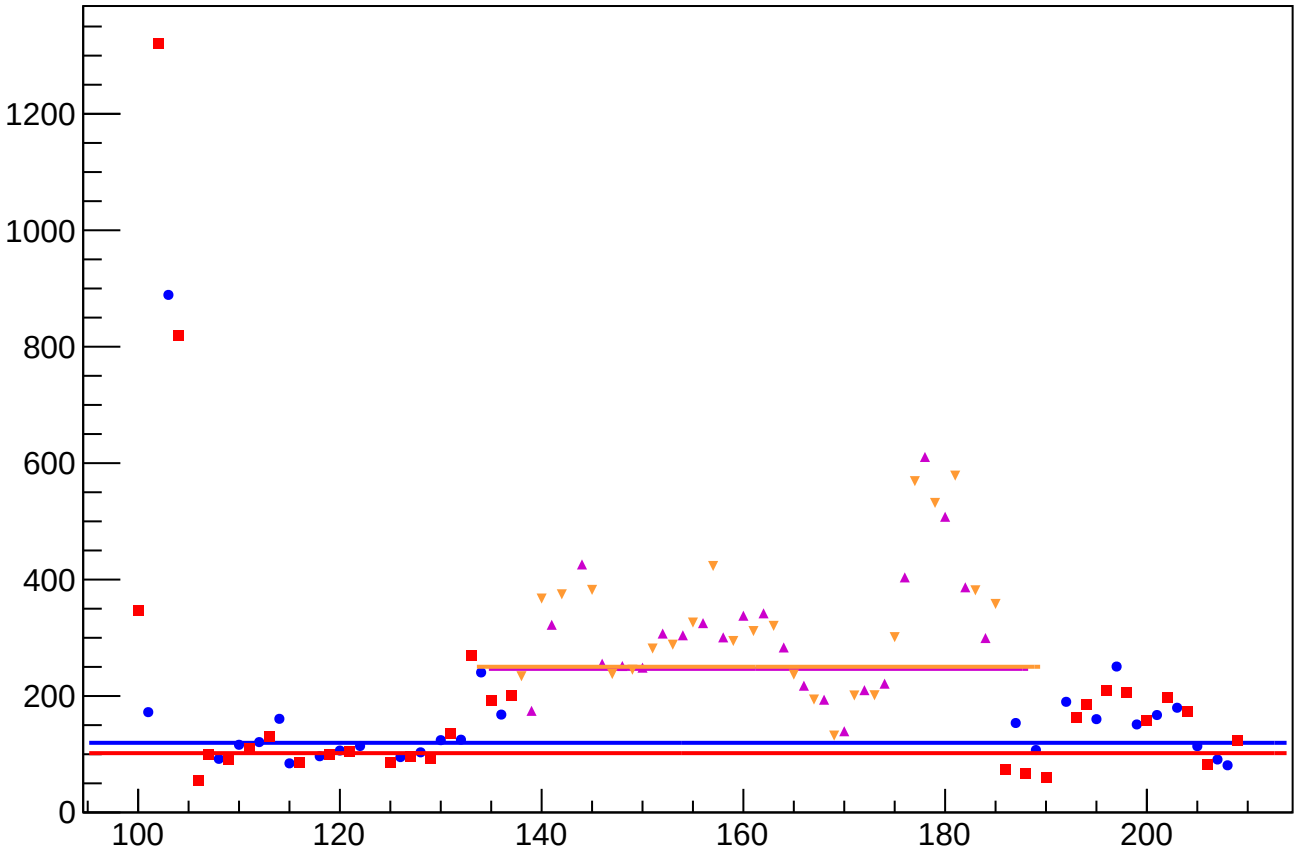
Left: 0.036+/-0.044 χ^2/NDF: 57.5/46

Right: -0.008+/-0.022 χ^2/NDF: 61.7/56

In: 0.017+/-0.029 χ^2/NDF:50.2/49

Out: -0.012+/-0.026 χ^2/NDF:69.3/53

All: 0.001+/-0.020 χ^2/NDF: 120.1/103



Right In: 119.624+/-0.024 χ^2/NDF: 3295156.2/26

Left Out: 250.247+/-0.045 χ^2/NDF:4353162.7/23

Right Out: 101.871+/-0.020 χ^2/NDF: 5857451.6/29

Left In: 246.630+/-0.044 χ^2/NDF:3773083.4/22

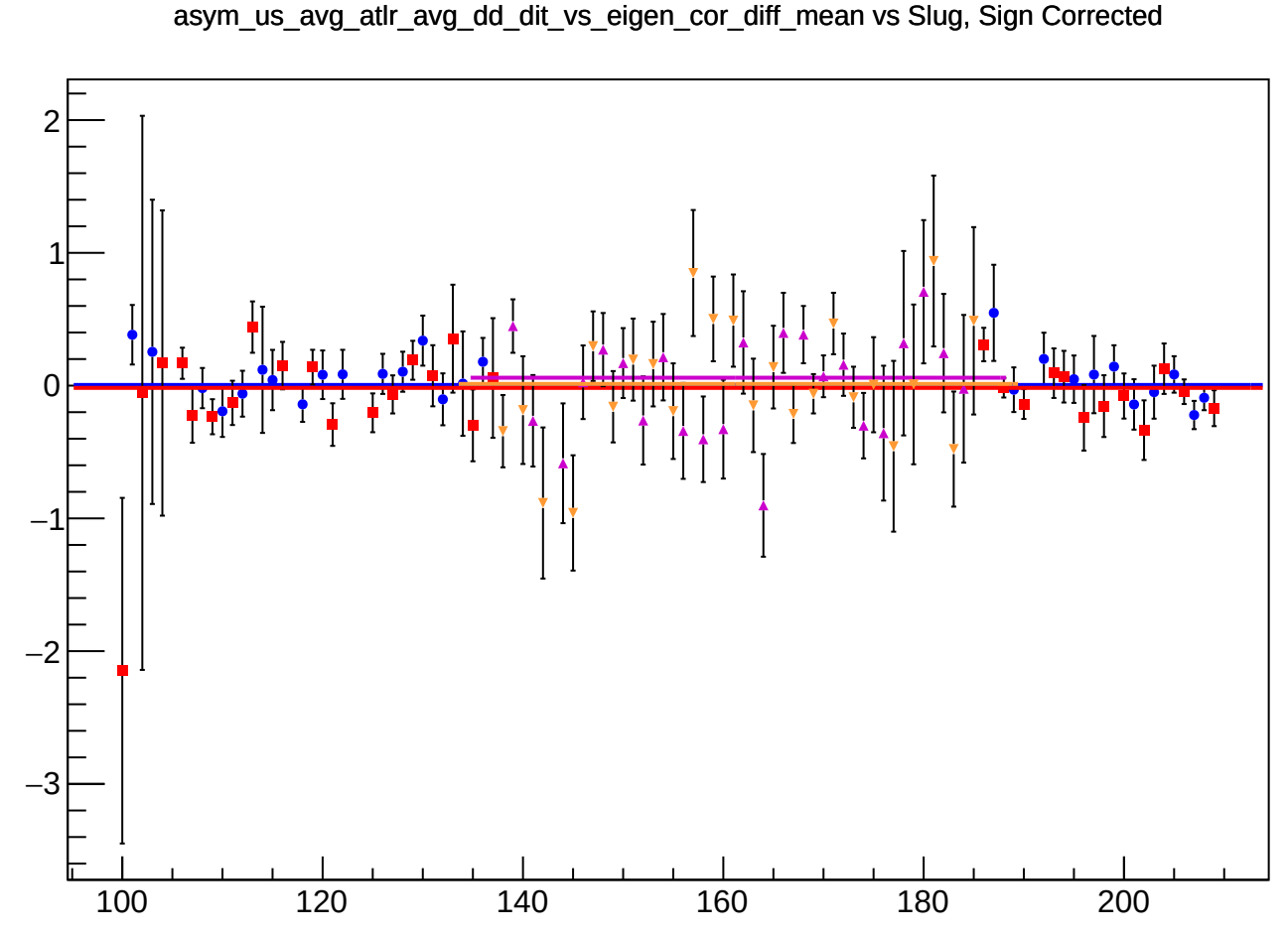
Left: 248.410+/-0.031 χ^2/NDF: 8129595.0/46

Right: 109.485+/-0.015 χ^2/NDF: 9477717.4/56

In: 148.020+/-0.021 χ^2/NDF:13582156.6/49

Out: 127.568+/-0.019 χ^2/NDF:19380653.9/53

All: 136.656+/-0.014 χ^2/NDF: 33503483.1/10



Right In: 0.005+/-0.033 χ^2/NDF: 21.6/26

Left Out: 0.013+/-0.063 χ^2/NDF:29.3/23

Right Out: -0.017+/-0.029 χ^2/NDF: 39.8/29

Left In: 0.059+/-0.062 χ^2/NDF:27.9/22

Left: 0.036+/-0.044 χ^2/NDF: 57.5/46

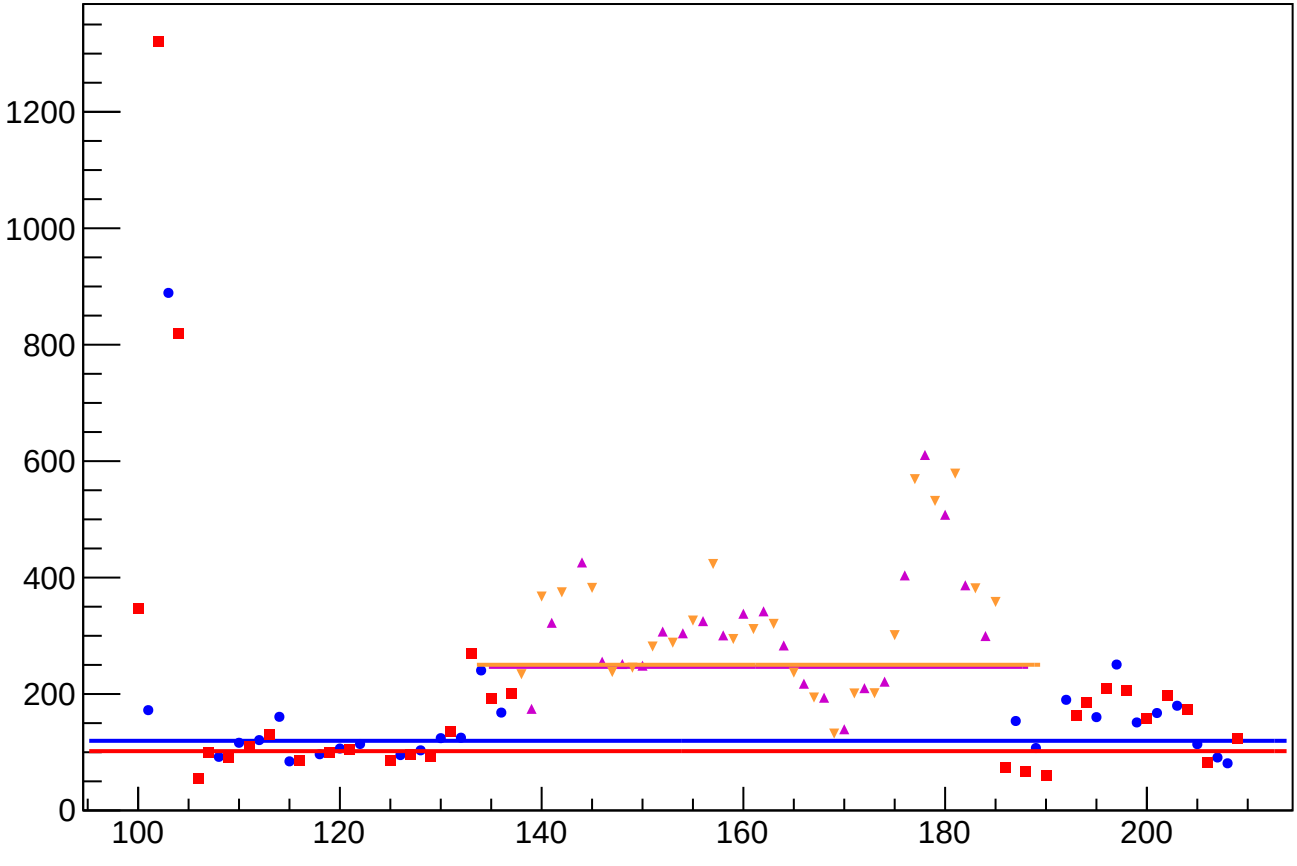
Right: -0.008+/-0.022 χ^2/NDF: 61.7/56

In: 0.017+/-0.029 χ^2/NDF:50.2/49

Out: -0.012+/-0.026 χ^2/NDF:69.3/53

All: 0.001+/-0.020 χ^2/NDF: 120.1/103

asym_us_avg_atlr_avg_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 119.624+/-0.024 χ^2/NDF: 3295156.2/26

Left Out: 250.247+/-0.045 χ^2/NDF:4353162.7/23

Right Out: 101.871+/-0.020 χ^2/NDF: 5857451.6/29

Left In: 246.630+/-0.044 χ^2/NDF:3773083.4/22

Left: 248.410+/-0.031 χ^2/NDF: 8129595.0/46

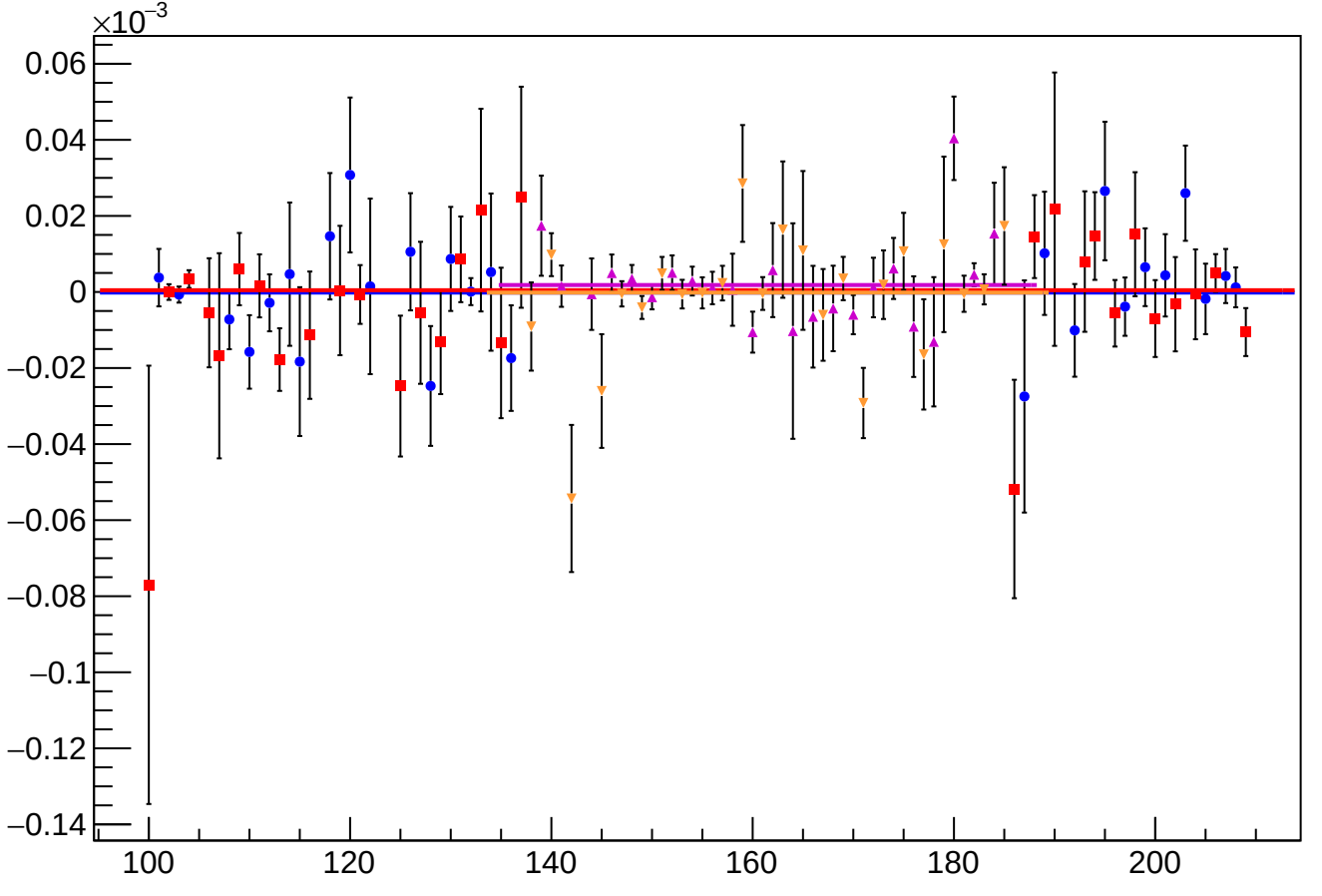
Right: 109.485+/-0.015 χ^2/NDF: 9477717.4/56

In: 148.020+/-0.021 χ^2/NDF:13582156.6/49

Out: 127.568+/-0.019 χ^2/NDF:19380653.9/53

All: 136.656+/-0.014 χ^2/NDF: 33503483.1/10

asym_us_avg_atlr_avg_dd_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.000 χ^2/NDF: 22.5/26

Left Out: -0.000+/-0.000 χ^2/NDF:37.2/23

Right Out: 0.000+/-0.000 χ^2/NDF: 27.9/29

Left In: 0.000+/-0.000 χ^2/NDF:28.2/22

Left: 0.000+/-0.000 χ^2/NDF: 66.8/46

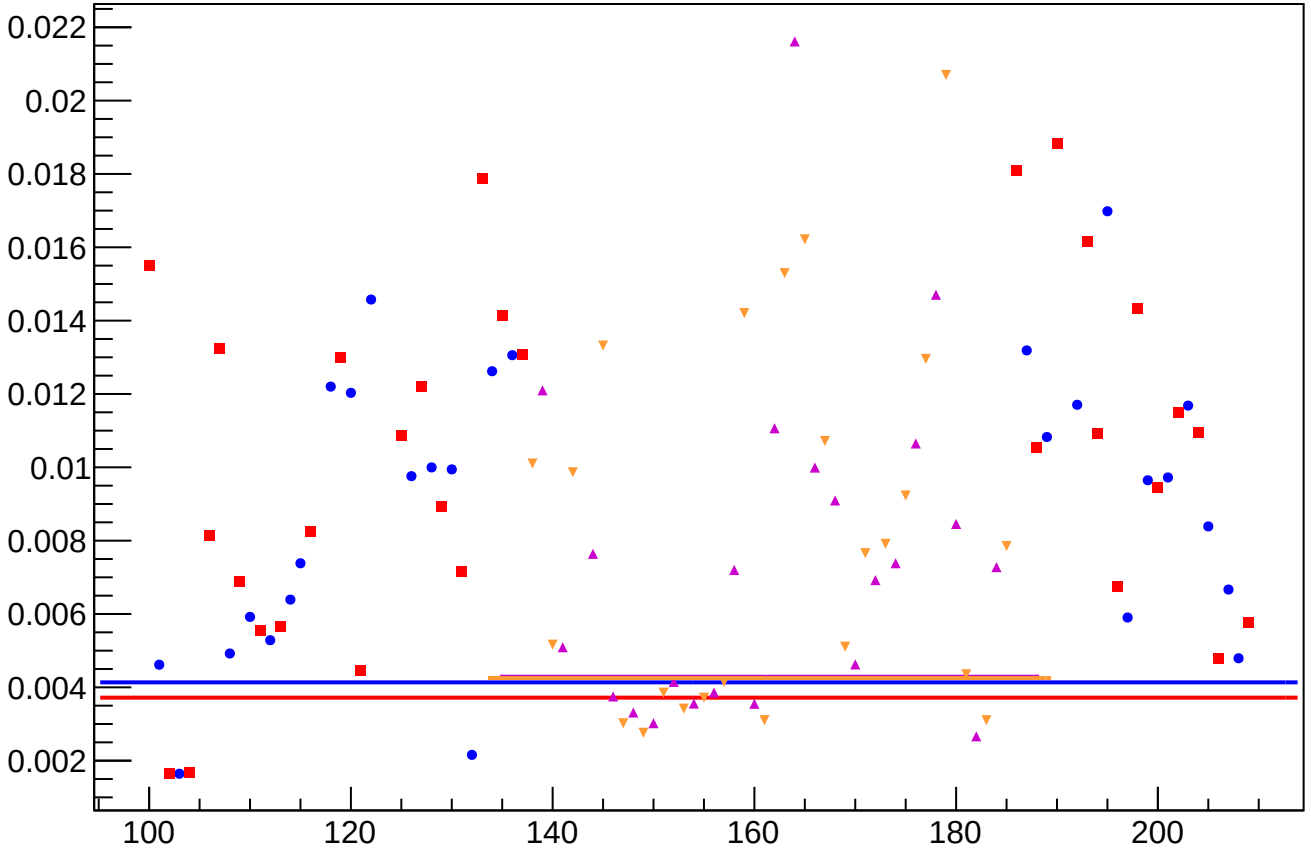
Right: 0.000+/-0.000 χ^2/NDF: 50.6/56

In: 0.000+/-0.000 χ^2/NDF:51.9/49

Out: 0.000+/-0.000 χ^2/NDF:65.2/53

All: 0.000+/-0.000 χ^2/NDF: 117.6/103

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: 11812389.4/26

Left Out: 0.004+/-0.000 χ^2/NDF:8492565.6/23

Right Out: 0.004+/-0.000 χ^2/NDF: 14621171.9/29

Left In: 0.004+/-0.000 χ^2/NDF:6598609.8/22

Left: 0.004+/-0.000 χ^2/NDF: 15092064.0/46

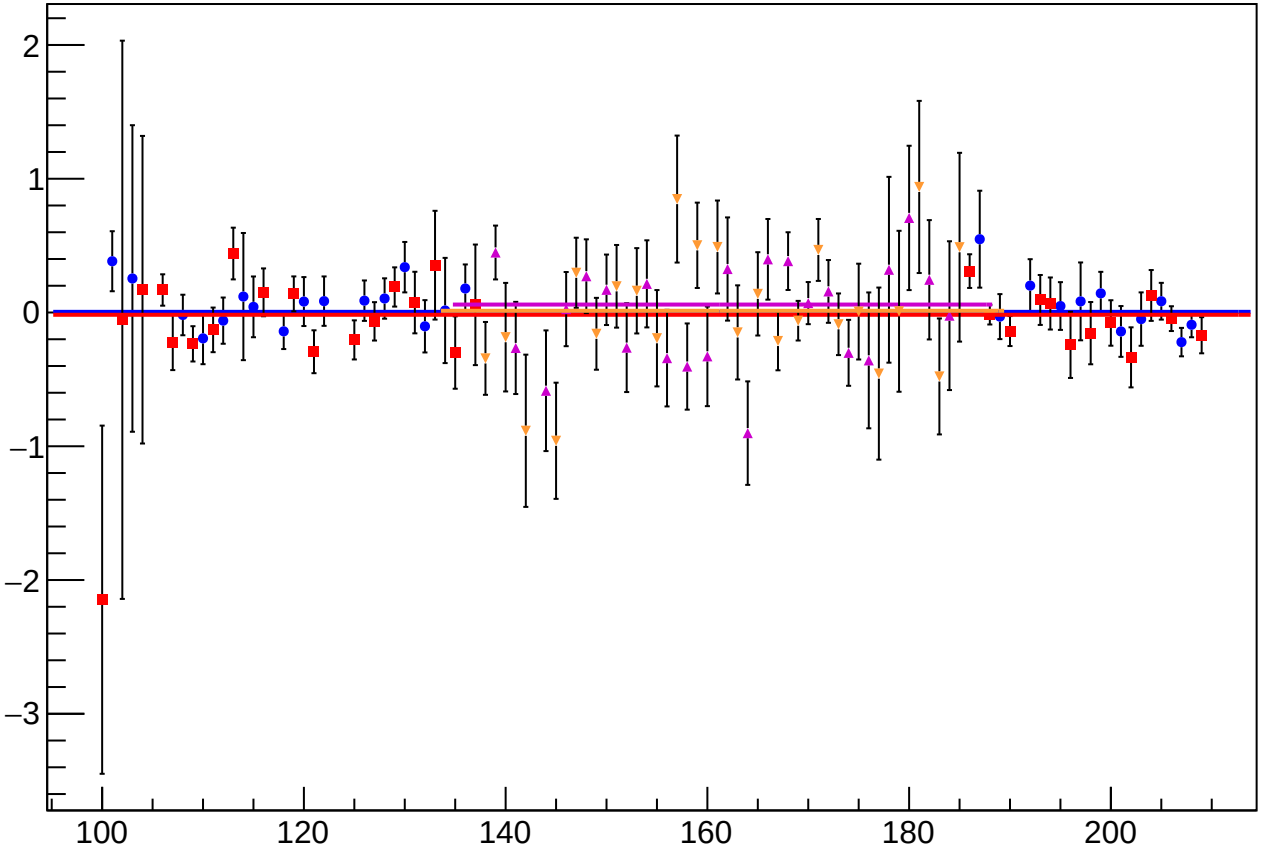
Right: 0.004+/-0.000 χ^2/NDF: 26533890.8/56

In: 0.004+/-0.000 χ^2/NDF:18425208.5/49

Out: 0.004+/-0.000 χ^2/NDF:23309627.4/53

All: 0.004+/-0.000 χ^2/NDF: 41797603.8/103

asym_us_avg_atlr_avg_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.005+/-0.033 χ^2/NDF: 21.6/26

Left Out: 0.013+/-0.063 χ^2/NDF:29.3/23

Right Out: -0.017+/-0.029 χ^2/NDF: 39.8/29

Left In: 0.059+/-0.062 χ^2/NDF:27.9/22

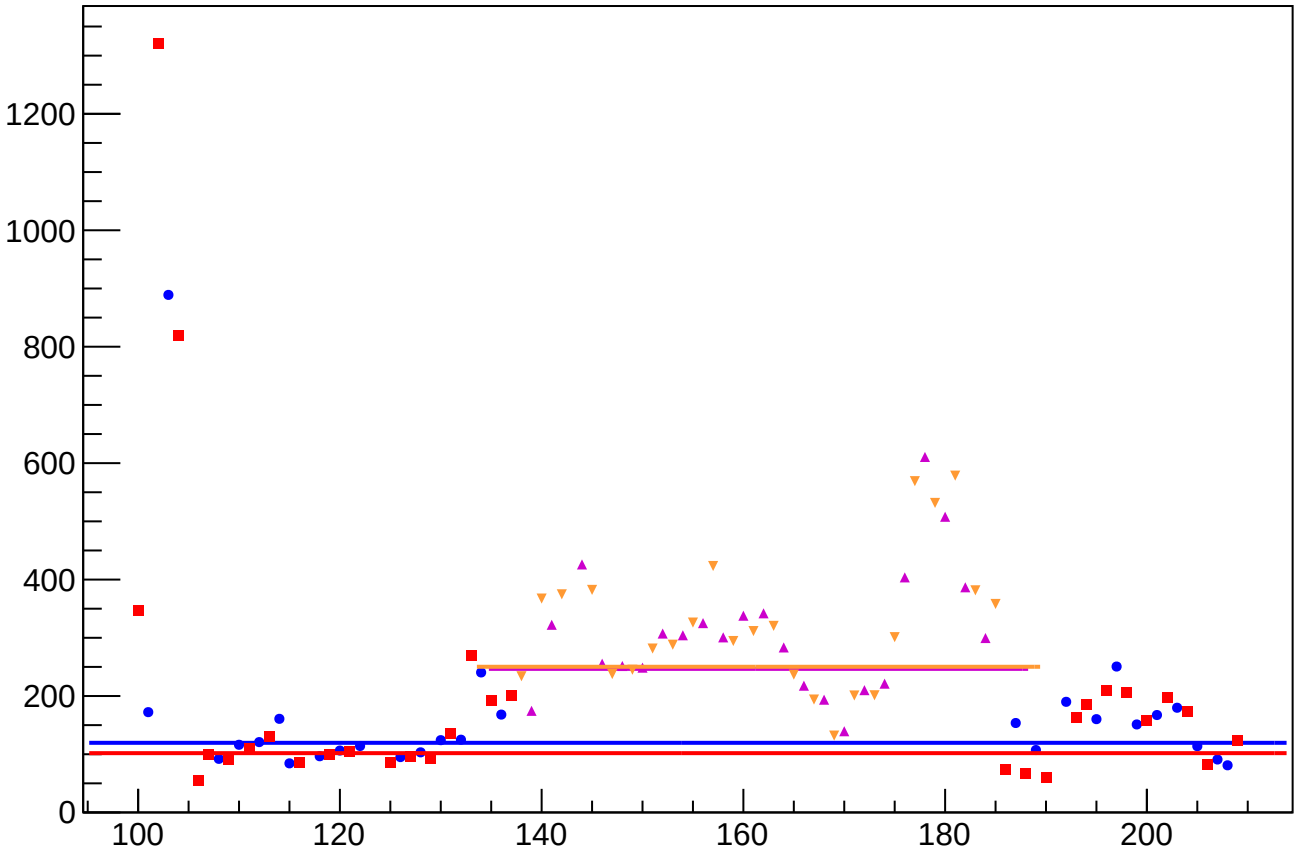
Left: 0.036+/-0.044 χ^2/NDF: 57.5/46

Right: -0.008+/-0.022 χ^2/NDF: 61.7/56

In: 0.017+/-0.029 χ^2/NDF:50.2/49

Out: -0.012+/-0.026 χ^2/NDF:69.3/53

All: 0.001+/-0.020 χ^2/NDF: 120.1/103



Right In: 119.623+/-0.024 χ^2/NDF: 3295229.3/26

Left Out: 250.248+/-0.045 χ^2/NDF:4353323.9/23

Right Out: 101.867+/-0.020 χ^2/NDF: 5858022.3/29

Left In: 246.632+/-0.044 χ^2/NDF:3773144.3/22

Left: 248.411+/-0.031 χ^2/NDF: 8129814.5/46

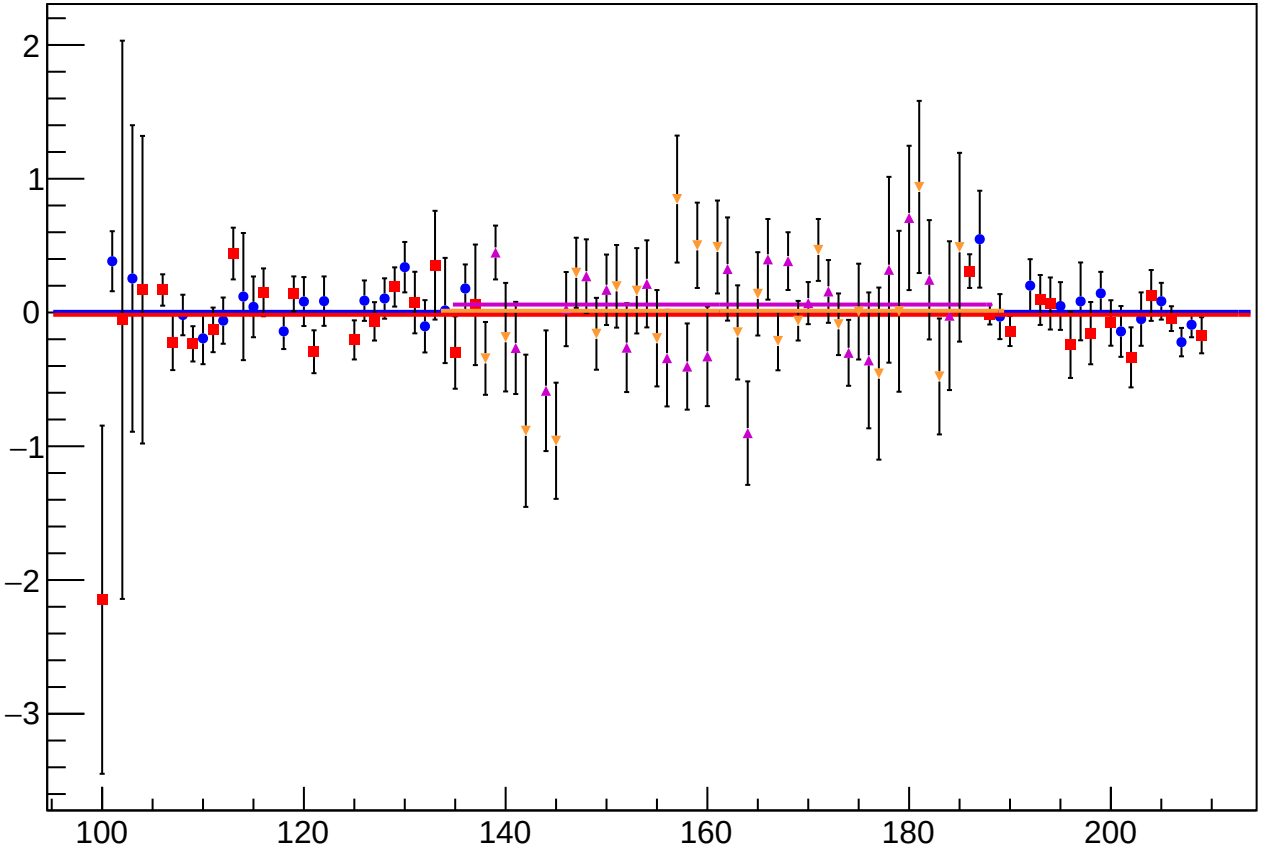
Right: 109.482+/-0.015 χ^2/NDF: 9478477.3/56

In: 148.019+/-0.021 χ^2/NDF:13582531.7/49

Out: 127.563+/-0.019 χ^2/NDF:19381965.4/53

All: 136.653+/-0.014 χ^2/NDF: 33505361.3/10

asym_us_avg_atlr_avg_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.005+/-0.033 χ^2/NDF: 21.6/26

Left Out: 0.013+/-0.063 χ^2/NDF:29.3/23

Right Out: -0.017+/-0.029 χ^2/NDF: 39.8/29

Left In: 0.059+/-0.062 χ^2/NDF:27.9/22

Left: 0.036+/-0.044 χ^2/NDF: 57.5/46

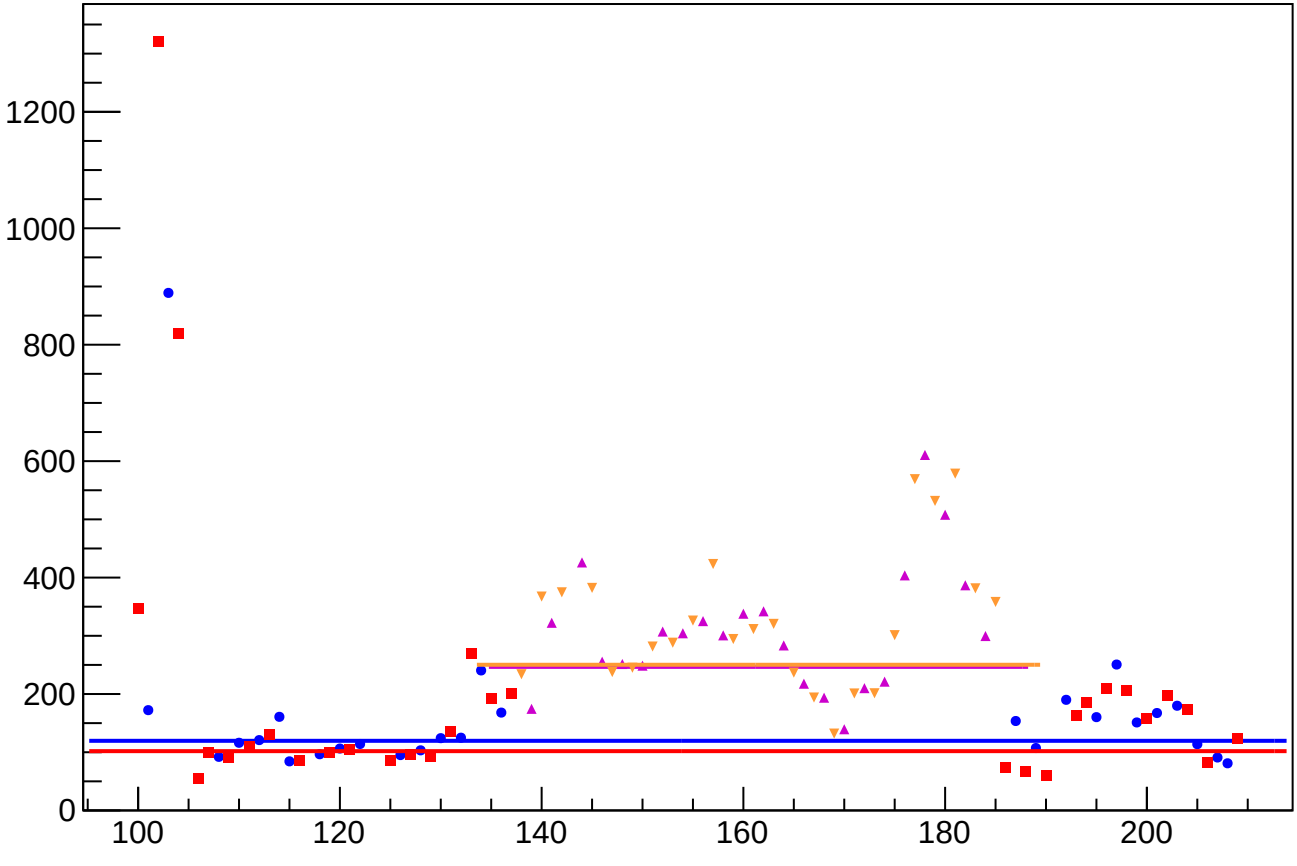
Right: -0.008+/-0.022 χ^2/NDF: 61.7/56

In: 0.017+/-0.029 χ^2/NDF:50.2/49

Out: -0.012+/-0.026 χ^2/NDF:69.3/53

All: 0.001+/-0.020 χ^2/NDF: 120.1/103

asym_us_avg_atlr_avg_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 119.623+/-0.024 χ^2/NDF: 3295229.3/26

Left Out: 250.248+/-0.045 χ^2/NDF:4353323.9/23

Right Out: 101.867+/-0.020 χ^2/NDF: 5858022.3/29

Left In: 246.632+/-0.044 χ^2/NDF:3773144.3/22

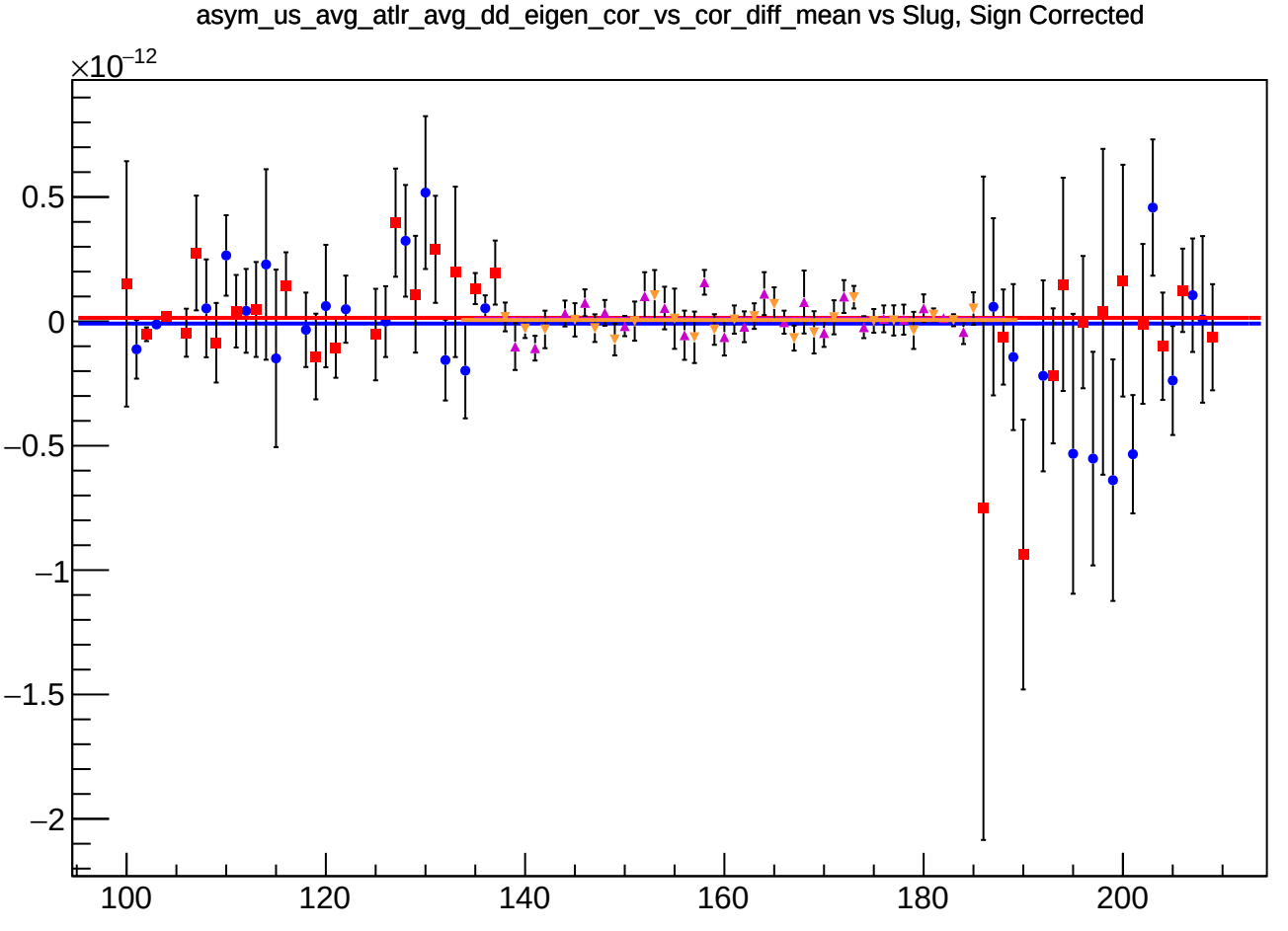
Left: 248.411+/-0.031 χ^2/NDF: 8129814.5/46

Right: 109.482+/-0.015 χ^2/NDF: 9478477.3/56

In: 148.019+/-0.021 χ^2/NDF:13582531.7/49

Out: 127.563+/-0.019 χ^2/NDF:19381965.4/53

All: 136.653+/-0.014 χ^2/NDF: 33505361.3/10



Right In: -0.000+/-0.000 χ^2/NDF: 26.9/26

Left Out: 0.000+/-0.000 χ^2/NDF:13.8/23

Right Out: 0.000+/-0.000 χ^2/NDF: 27.3/29

Left In: 0.000+/-0.000 χ^2/NDF:27.9/22

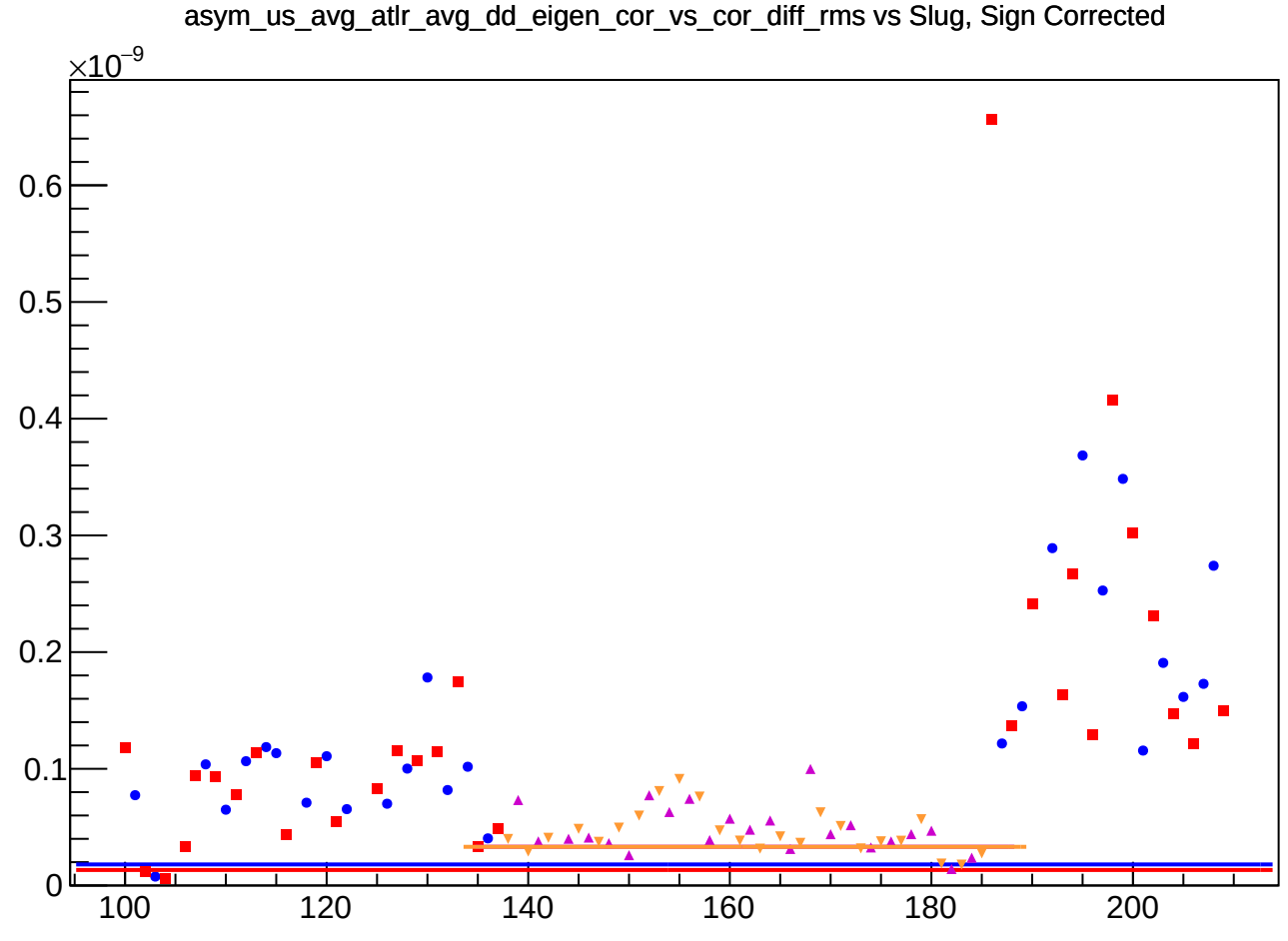
Left: 0.000+/-0.000 χ^2/NDF: 41.8/46

Right: 0.000+/-0.000 χ^2/NDF: 56.3/56

In: 0.000+/-0.000 χ^2/NDF:56.2/49

Out: 0.000+/-0.000 χ^2/NDF:41.5/53

All: 0.000+/-0.000 χ^2/NDF: 98.2/103



Right In: 0.000+/-0.000 χ^2/NDF: 13990529.1/26

Left Out: 0.000+/-0.000 χ^2/NDF:4025318.1/23

Right Out: 0.000+/-0.000 χ^2/NDF: 14182398.8/29

Left In: 0.000+/-0.000 χ^2/NDF:5018453.7/22

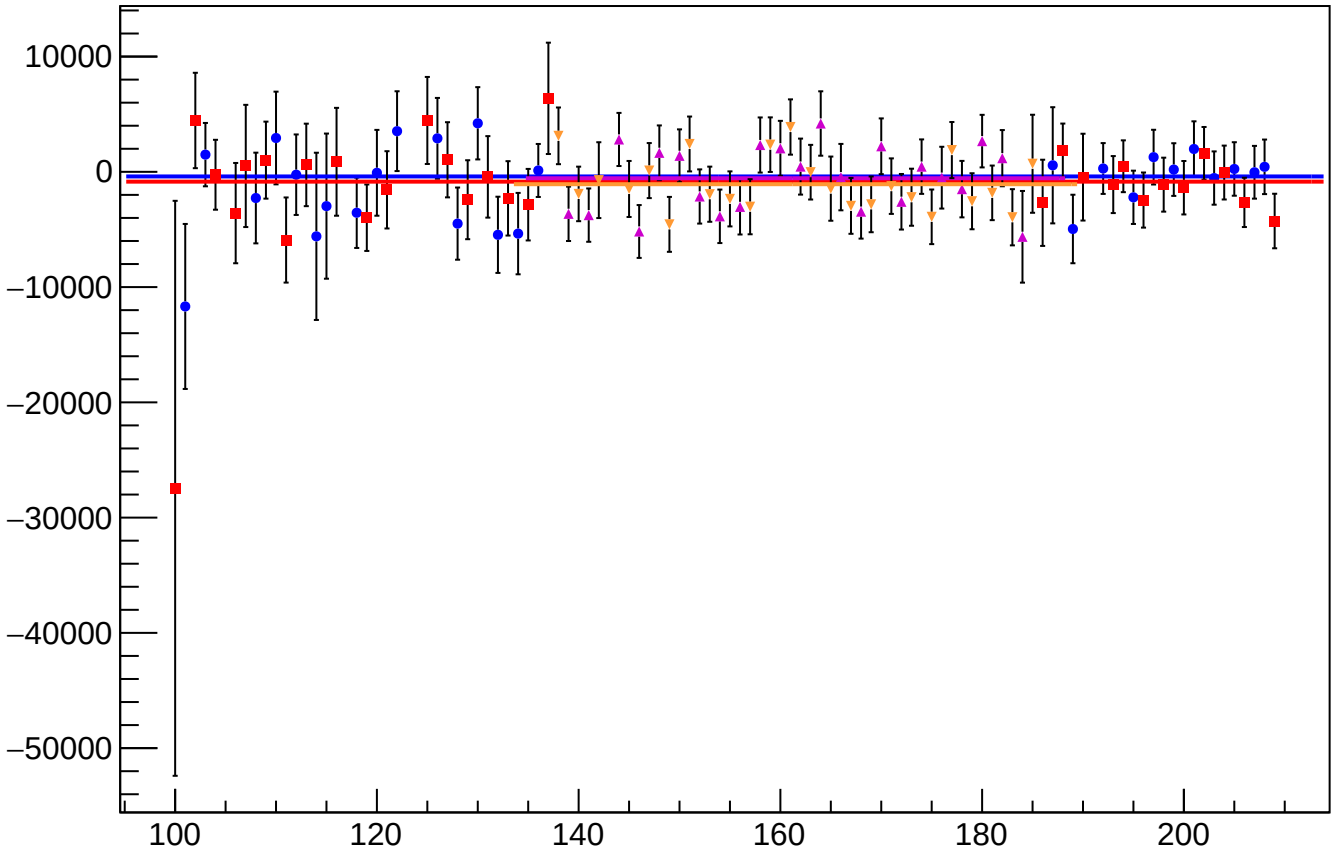
Left: 0.000+/-0.000 χ^2/NDF: 9043794.9/46

Right: 0.000+/-0.000 χ^2/NDF: 28354017.4/56

In: 0.000+/-0.000 χ^2/NDF:20759452.2/49

Out: 0.000+/-0.000 χ^2/NDF:22038930.6/53

All: 0.000+/-0.000 χ^2/NDF: 43118789.1/103



Right In: -401.025+/-564.023 χ^2/NDF: 20.9/26

Left Out: -1072.863+/-505.534 χ^2/NDF:21.6/23

Right Out: -850.860+/-548.108 χ^2/NDF: 18.9/29

Left In: -557.052+/-509.208 χ^2/NDF:28.7/22

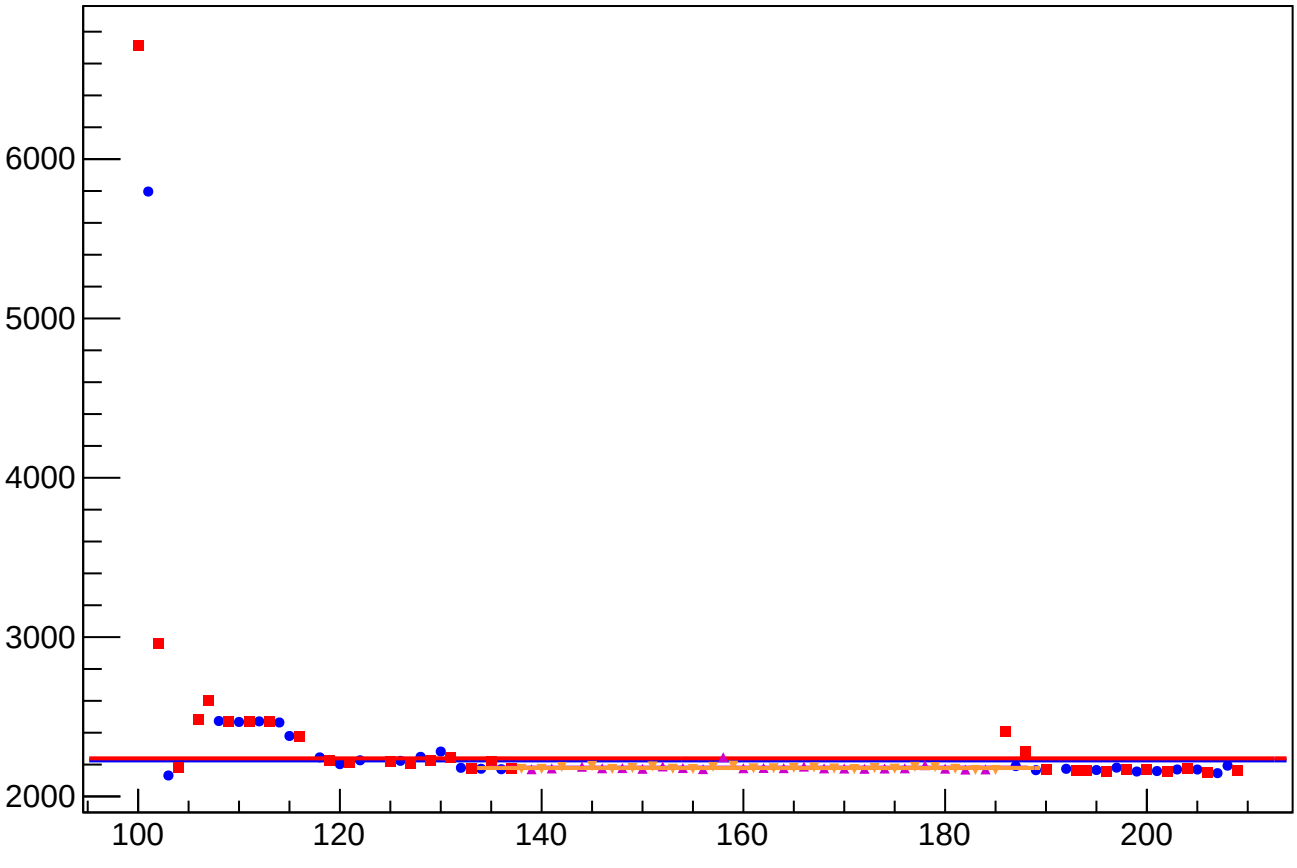
Left: -816.825+/-358.759 χ^2/NDF: 50.8/46

Right: -632.379+/-393.077 χ^2/NDF: 40.2/56

In: -486.987+/-377.962 χ^2/NDF:49.7/49

Out: -970.817+/-371.607 χ^2/NDF:40.6/53

All: -733.004+/-264.984 χ^2/NDF: 91.1/103



Right In: 2226.096+/-0.399 χ^2/NDF: 544012.5/26

Left Out: 2178.244+/-0.357 χ^2/NDF:389.1/23

Right Out: 2239.064+/-0.388 χ^2/NDF: 195066.3/29

Left In: 2180.919+/-0.360 χ^2/NDF:1866.2/22

Left: 2179.572+/-0.254 χ^2/NDF: 2283.2/46

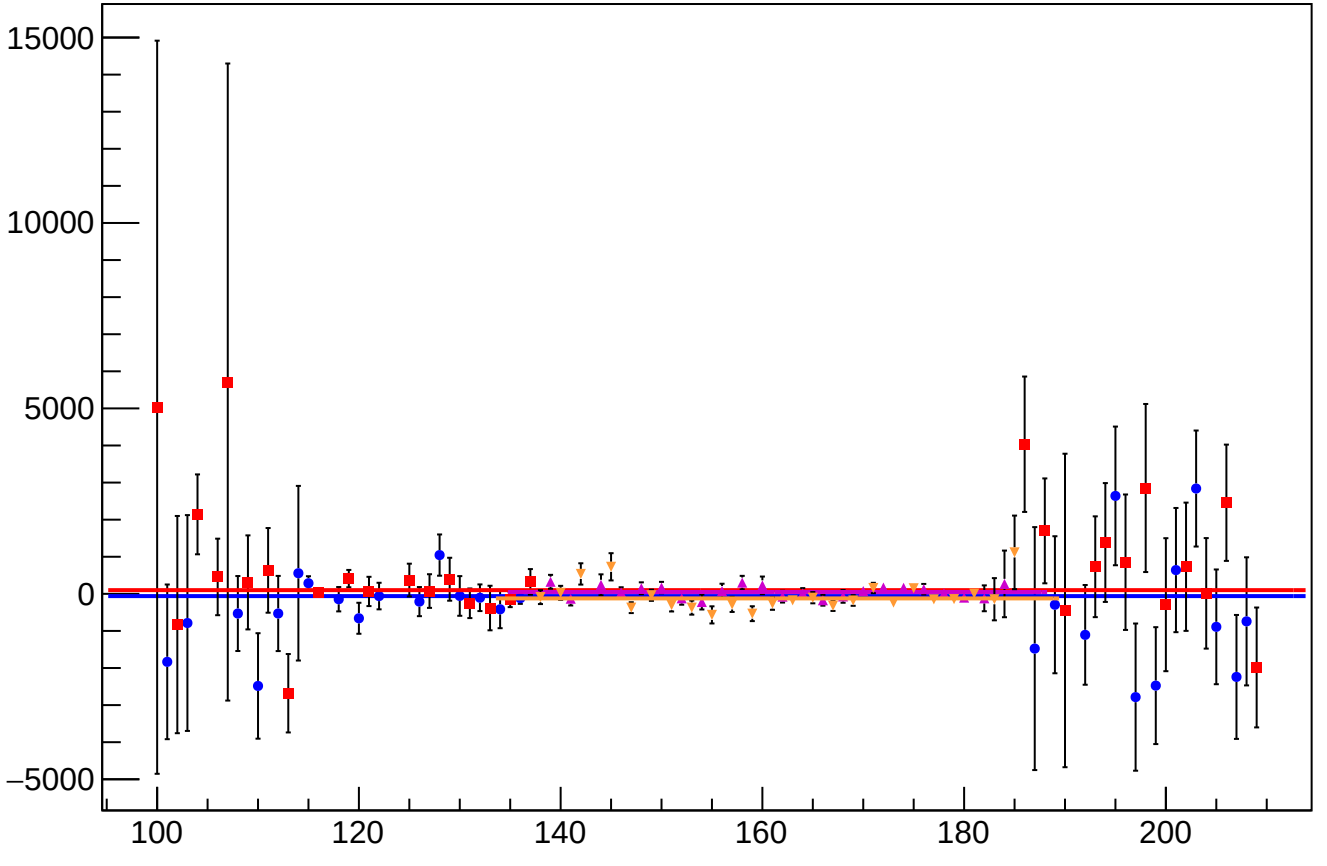
Right: 2232.765+/-0.278 χ^2/NDF: 739622.6/56

In: 2201.206+/-0.267 χ^2/NDF:552948.1/49

Out: 2206.200+/-0.263 χ^2/NDF:208761.5/53

All: 2203.746+/-0.187 χ^2/NDF: 761887.2/103

asym_us_dd_at1lr_dd_avg_reg_correction_mean vs Slug, Sign Corrected



Right In: -61.054+/-89.534 χ^2/NDF: 27.3/26

Left Out: -123.007+/-31.408 χ^2/NDF:43.8/23

Right Out: 99.748+/-81.243 χ^2/NDF: 30.3/29

Left In: 50.317+/-32.545 χ^2/NDF:18.2/22

Left: -39.426+/-22.600 χ^2/NDF: 76.7/46

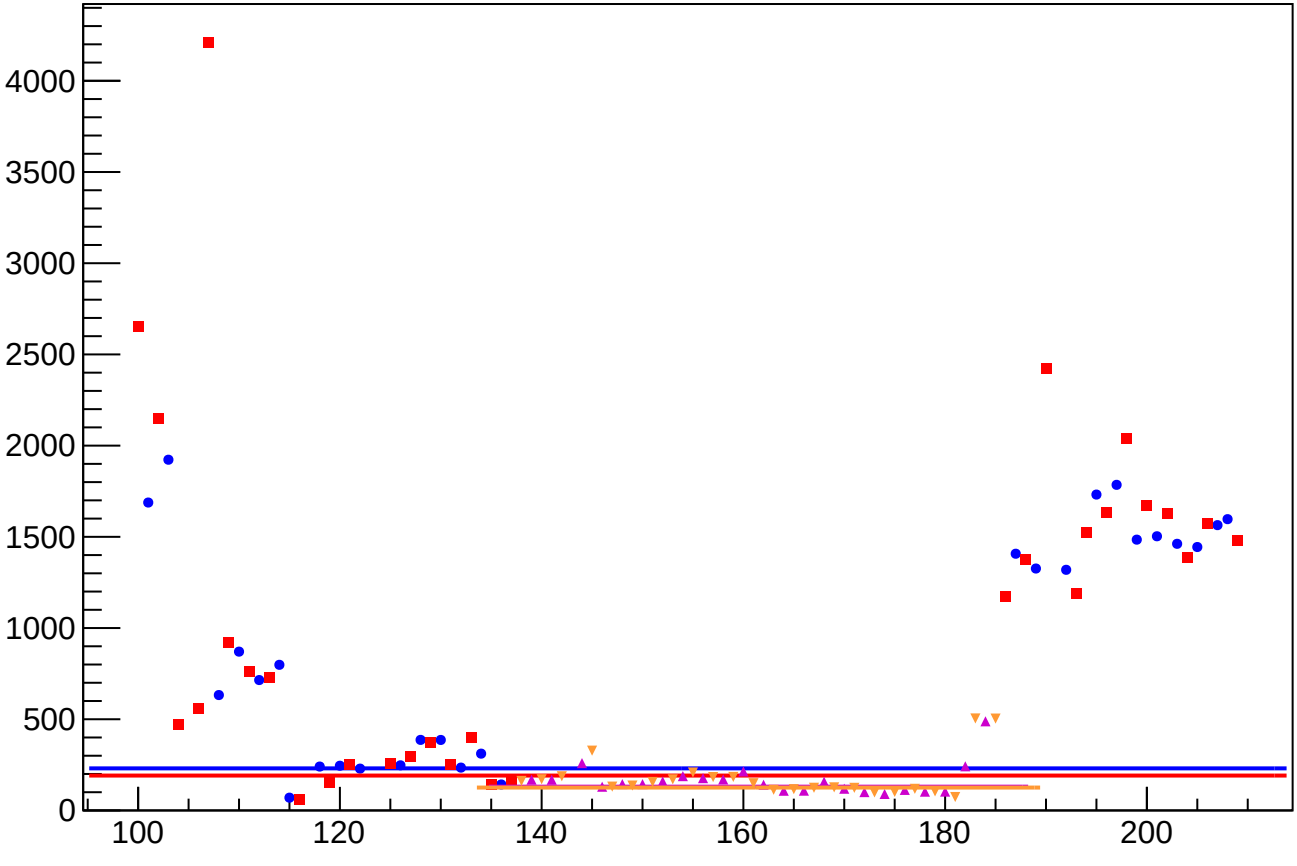
Right: 27.136+/-60.165 χ^2/NDF: 59.3/56

In: 37.319+/-30.587 χ^2/NDF:46.9/49

Out: -94.044+/-29.295 χ^2/NDF:80.6/53

All: -31.195+/-21.157 χ^2/NDF: 137.1/103

asym_us_dd_at1lr_dd_avg_reg_correction_rms vs Slug, Sign Corrected



Right In: 230.734+/-0.063 χ^2/NDF: 17642826.9/26

Left Out: 125.506+/-0.022 χ^2/NDF:3942746.1/23

Right Out: 191.308+/-0.057 χ^2/NDF: 20979362.6/29

Left In: 130.436+/-0.023 χ^2/NDF:2679692.6/22

Left: 127.884+/-0.016 χ^2/NDF: 6646201.0/46

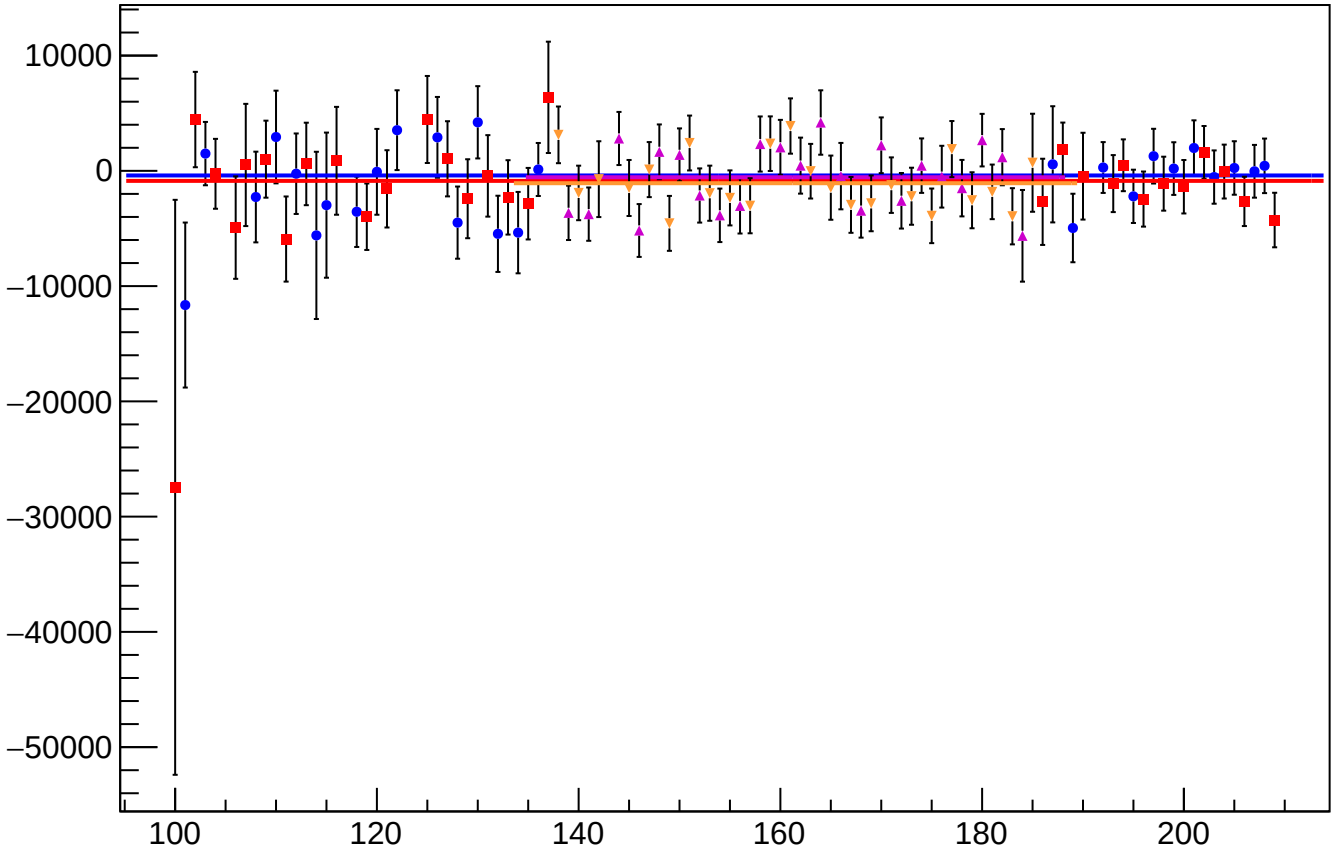
Right: 209.111+/-0.043 χ^2/NDF: 38834883.5/56

In: 142.142+/-0.022 χ^2/NDF:22539396.5/49

Out: 134.062+/-0.021 χ^2/NDF:26063511.7/53

All: 137.928+/-0.015 χ^2/NDF: 48675694.7/10

cor_asym_us_dd_at1lr_dd_avg_mean vs Slug, Sign Corrected



Right In: -400.586+/-564.023 χ^2/NDF: 20.9/26

Left Out: -1072.795+/-505.534 χ^2/NDF:21.6/23

Right Out: -869.651+/-548.289 χ^2/NDF: 19.4/29

Left In: -557.079+/-509.208 χ^2/NDF:28.7/22

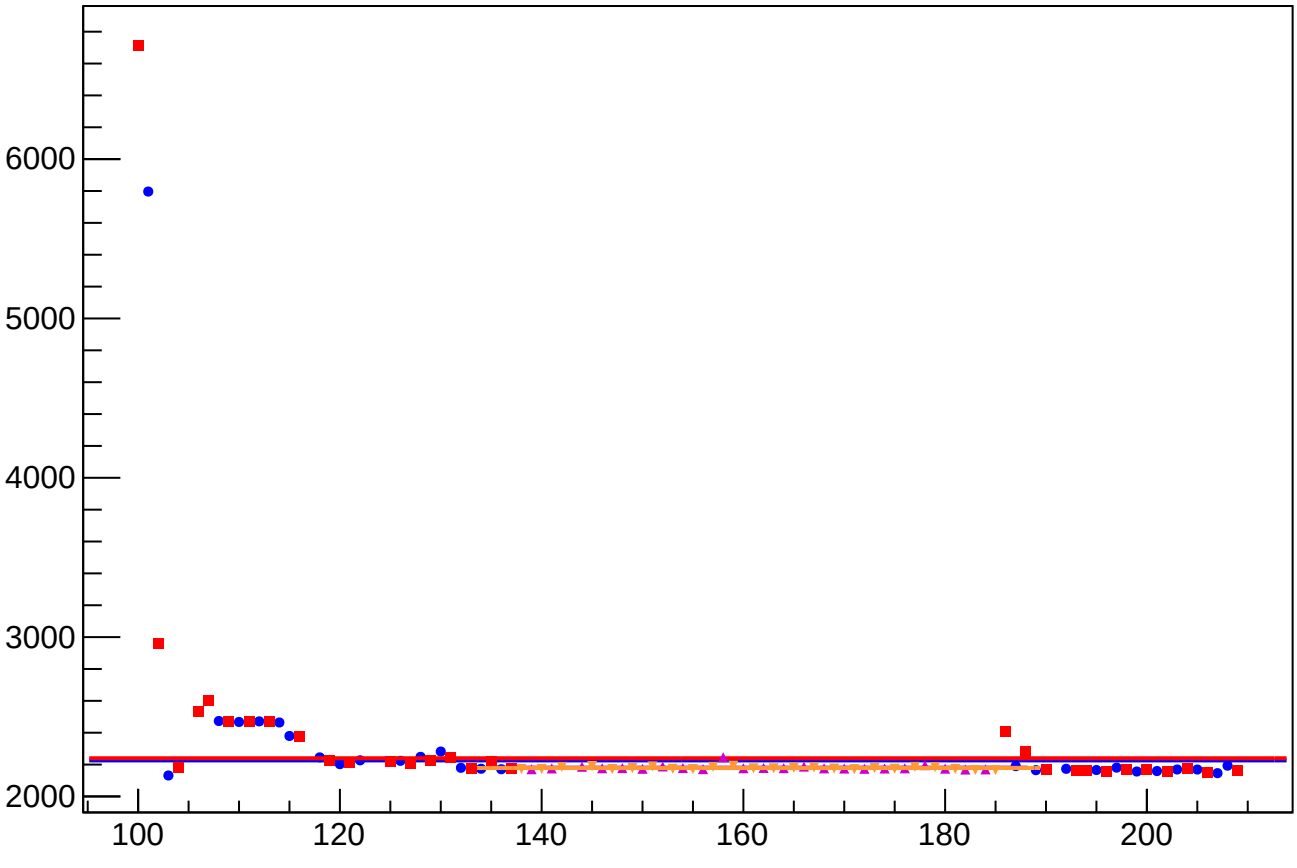
Left: -816.804+/-358.759 χ^2/NDF: 50.8/46

Right: -641.753+/-393.144 χ^2/NDF: 40.6/56

In: -486.805+/-377.962 χ^2/NDF:49.7/49

Out: -979.451+/-371.664 χ^2/NDF:41.0/53

All: -737.267+/-265.005 χ^2/NDF: 91.5/103



Right In: 2226.096+/-0.399 χ^2/NDF: 544012.8/26

Left Out: 2178.244+/-0.357 χ^2/NDF:389.1/23

Right Out: 2239.674+/-0.388 χ^2/NDF: 197575.6/29

Left In: 2180.919+/-0.360 χ^2/NDF:1866.2/22

Left: 2179.572+/-0.254 χ^2/NDF: 2283.1/46

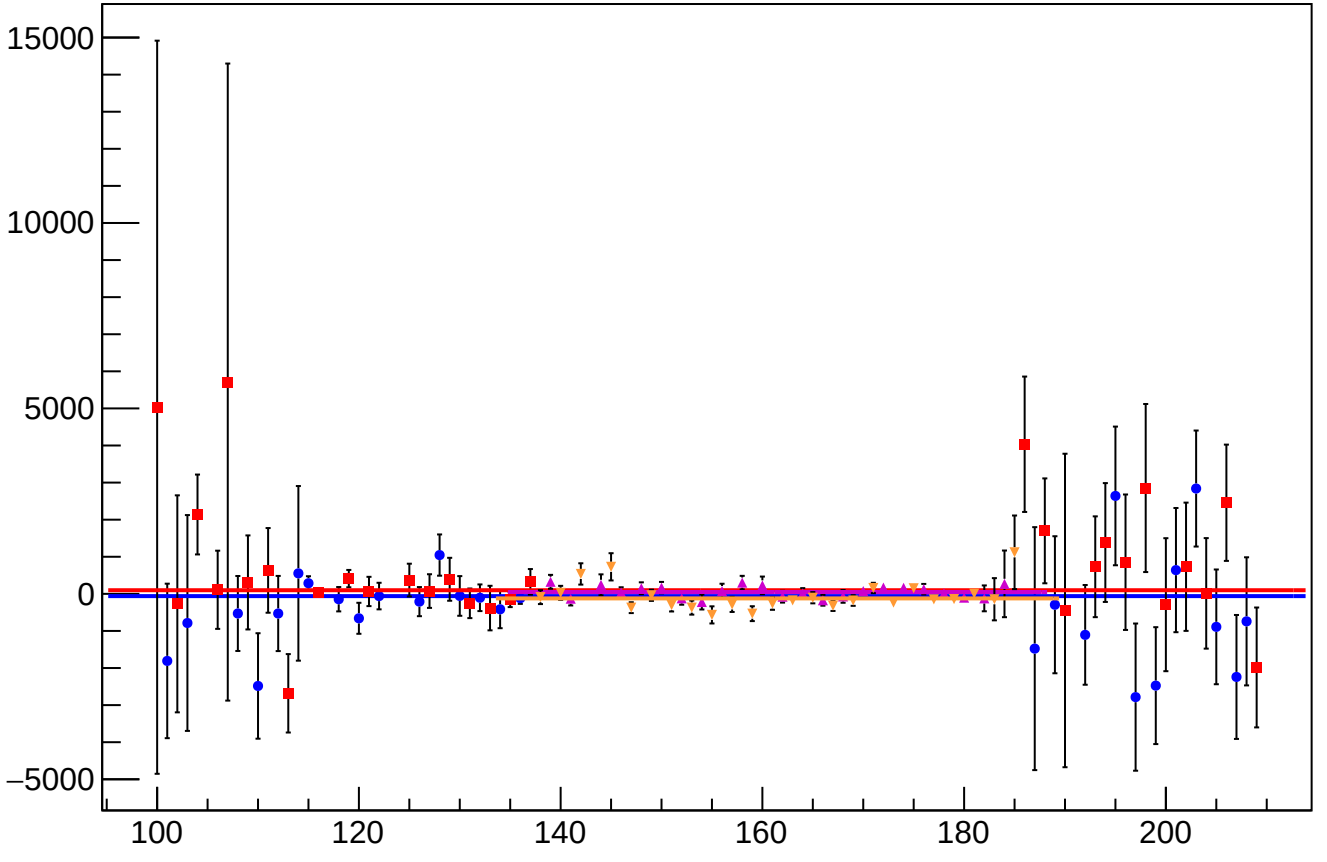
Right: 2233.077+/-0.278 χ^2/NDF: 742184.4/56

In: 2201.206+/-0.267 χ^2/NDF:552948.4/49

Out: 2206.471+/-0.263 χ^2/NDF:211534.5/53

All: 2203.883+/-0.187 χ^2/NDF: 764680.3/103

asym_us_dd_at1lr_dd_avg_cor_correction_mean vs Slug, Sign Corrected



Right In: -61.088+/-89.540 χ^2/NDF: 27.3/26

Left Out: -122.928+/-31.408 χ^2/NDF:43.8/23

Right Out: 97.766+/-81.184 χ^2/NDF: 30.1/29

Left In: 50.209+/-32.548 χ^2/NDF:18.3/22

Left: -39.445+/-22.601 χ^2/NDF: 76.7/46

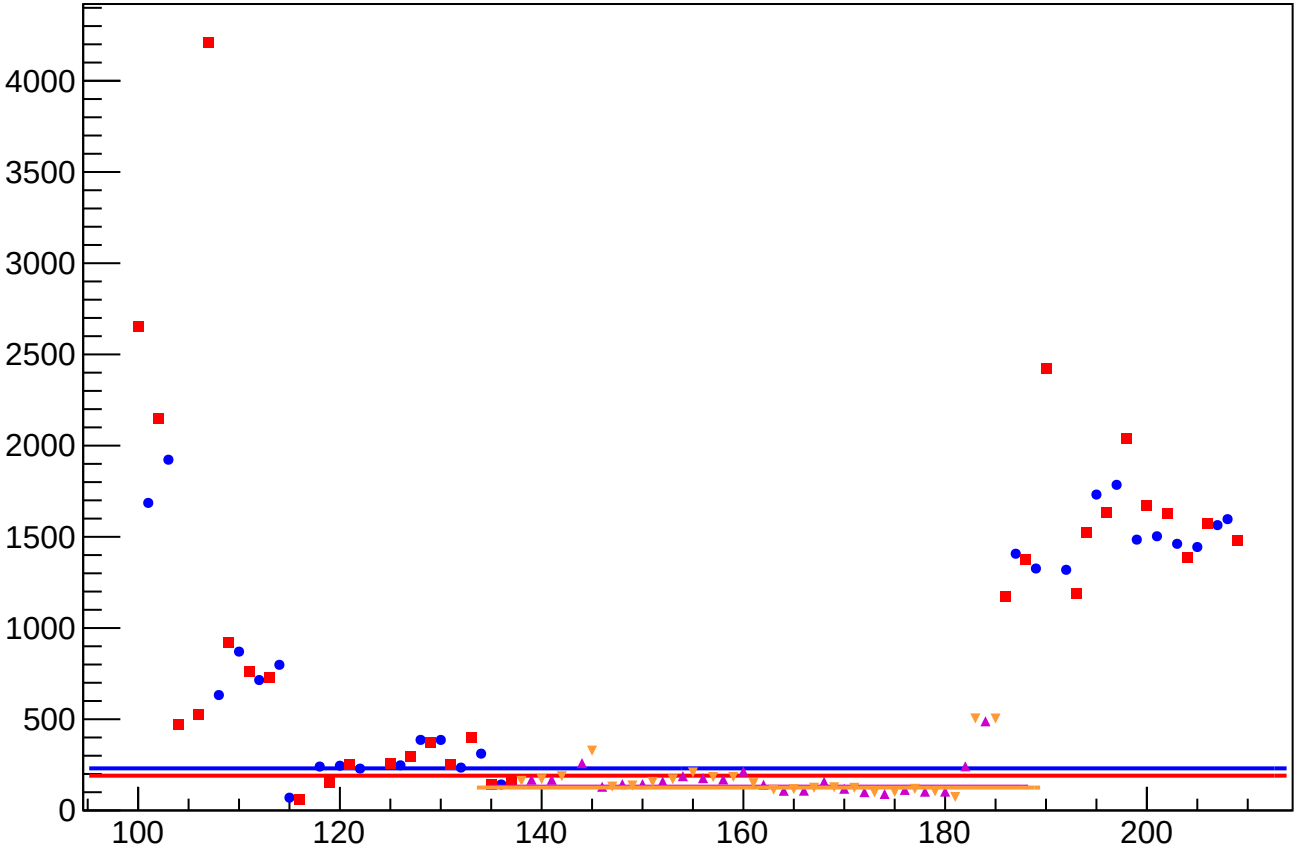
Right: 26.095+/-60.143 χ^2/NDF: 59.1/56

In: 37.219+/-30.590 χ^2/NDF:46.9/49

Out: -94.196+/-29.292 χ^2/NDF:80.3/53

All: -31.335+/-21.157 χ^2/NDF: 136.8/103

asym_us_dd_at1lr_dd_avg_cor_correction_rms vs Slug, Sign Corrected



Right In: 230.762+/-0.063 χ^2/NDF: 17641215.2/26

Left Out: 125.503+/-0.022 χ^2/NDF:3943570.9/23

Right Out: 190.714+/-0.057 χ^2/NDF: 20946287.0/29

Left In: 130.451+/-0.023 χ^2/NDF:2679365.4/22

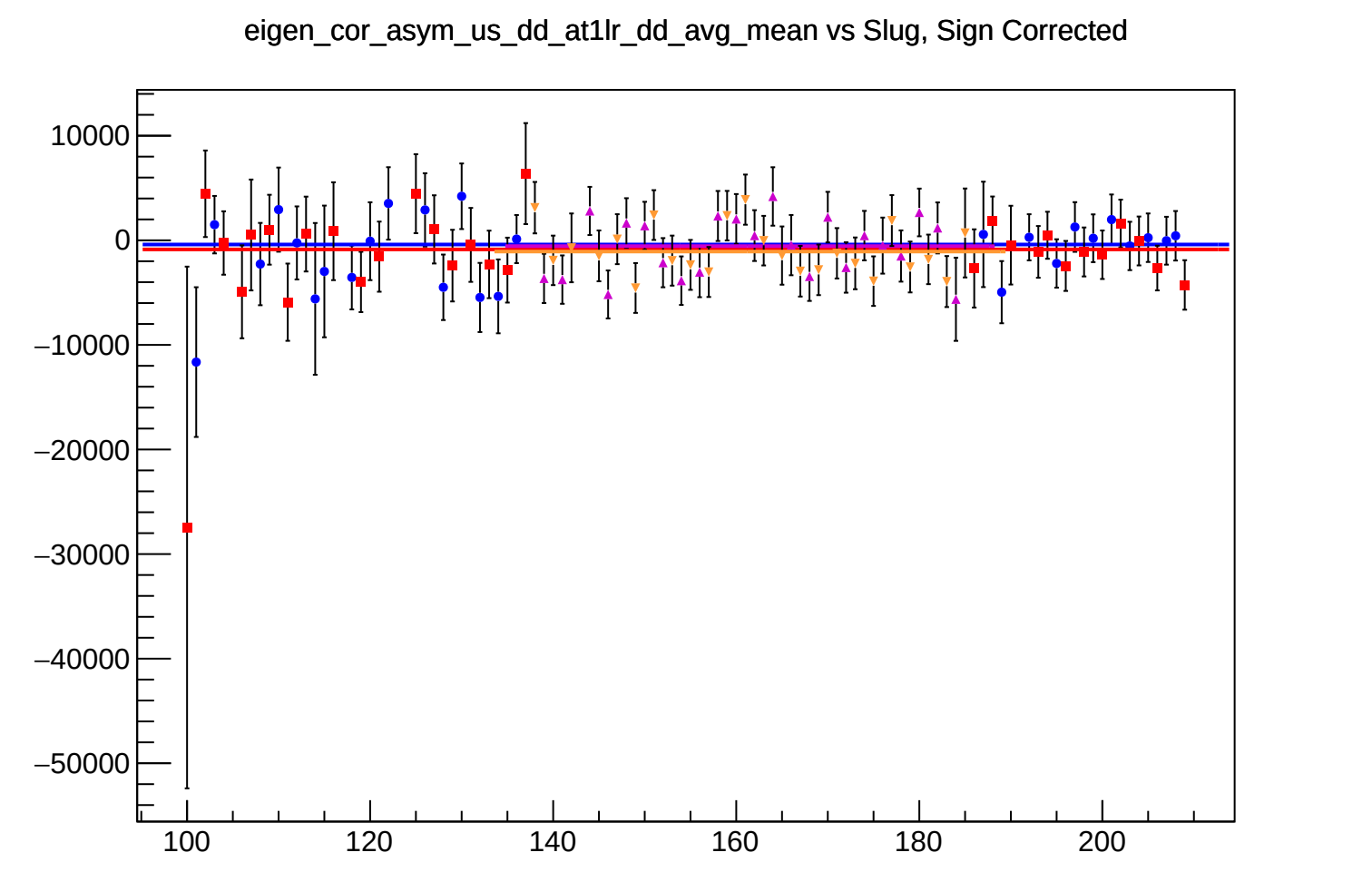
Left: 127.889+/-0.016 χ^2/NDF: 6646874.7/46

Right: 208.783+/-0.043 χ^2/NDF: 38807088.0/56

In: 142.159+/-0.022 χ^2/NDF:22537769.7/49

Out: 133.992+/-0.021 χ^2/NDF:26012314.3/53

All: 137.899+/-0.015 χ^2/NDF: 48624441.9/10



Right In: -400.586+/-564.023 χ^2/NDF: 20.9/26

Left Out: -1072.795+/-505.534 χ^2/NDF:21.6/23

Right Out: -869.651+/-548.289 χ^2/NDF: 19.4/29

Left In: -557.079+/-509.208 χ^2/NDF:28.7/22

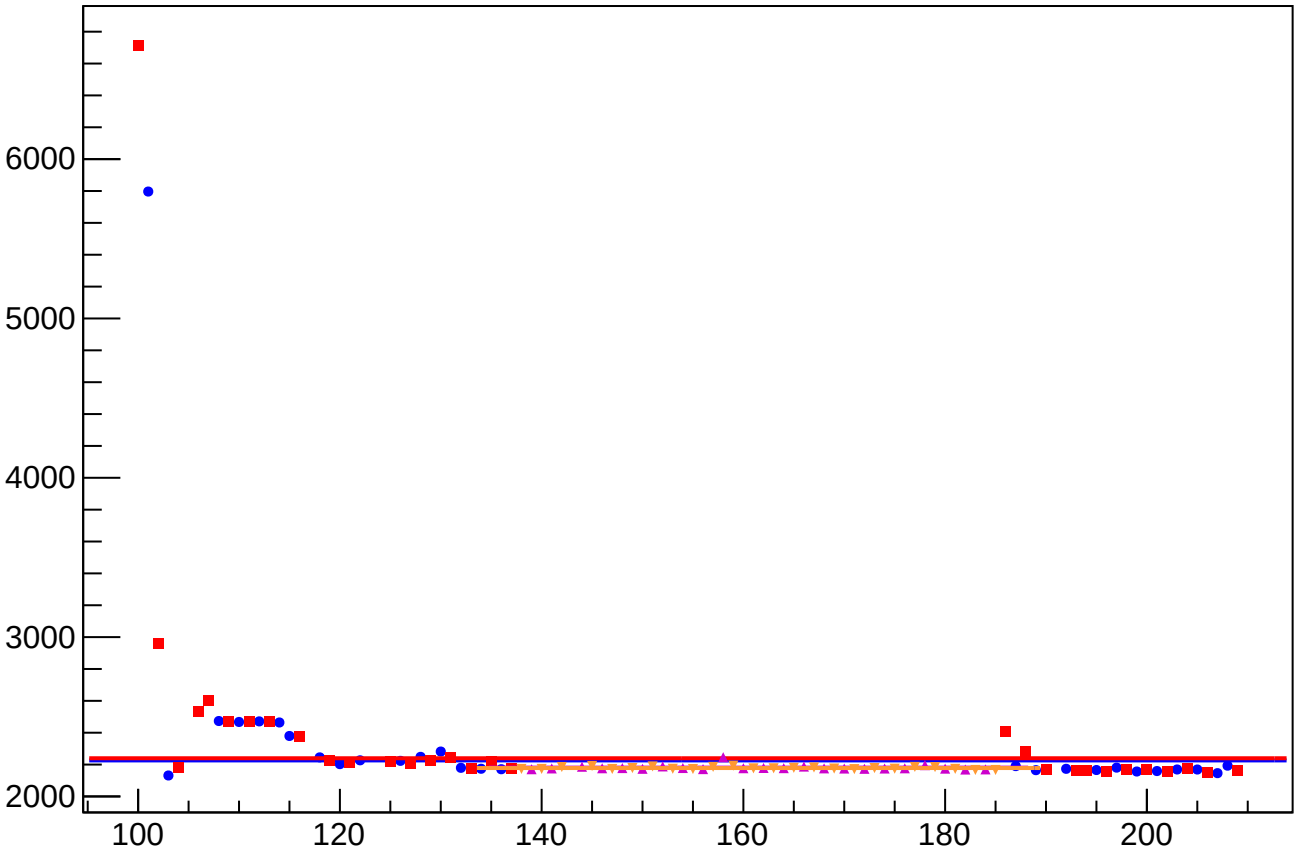
Left: -816.804+/-358.759 χ^2/NDF: 50.8/46

Right: -641.753+/-393.144 χ^2/NDF: 40.6/56

In: -486.805+/-377.962 χ^2/NDF:49.7/49

Out: -979.451+/-371.664 χ^2/NDF:41.0/53

All: -737.267+/-265.005 χ^2/NDF: 91.5/103



Right In: 2226.096+/-0.399 χ^2/NDF: 544012.8/26

Left Out: 2178.244+/-0.357 χ^2/NDF:389.1/23

Right Out: 2239.674+/-0.388 χ^2/NDF: 197575.6/29

Left In: 2180.919+/-0.360 χ^2/NDF:1866.2/22

Left: 2179.572+/-0.254 χ^2/NDF: 2283.1/46

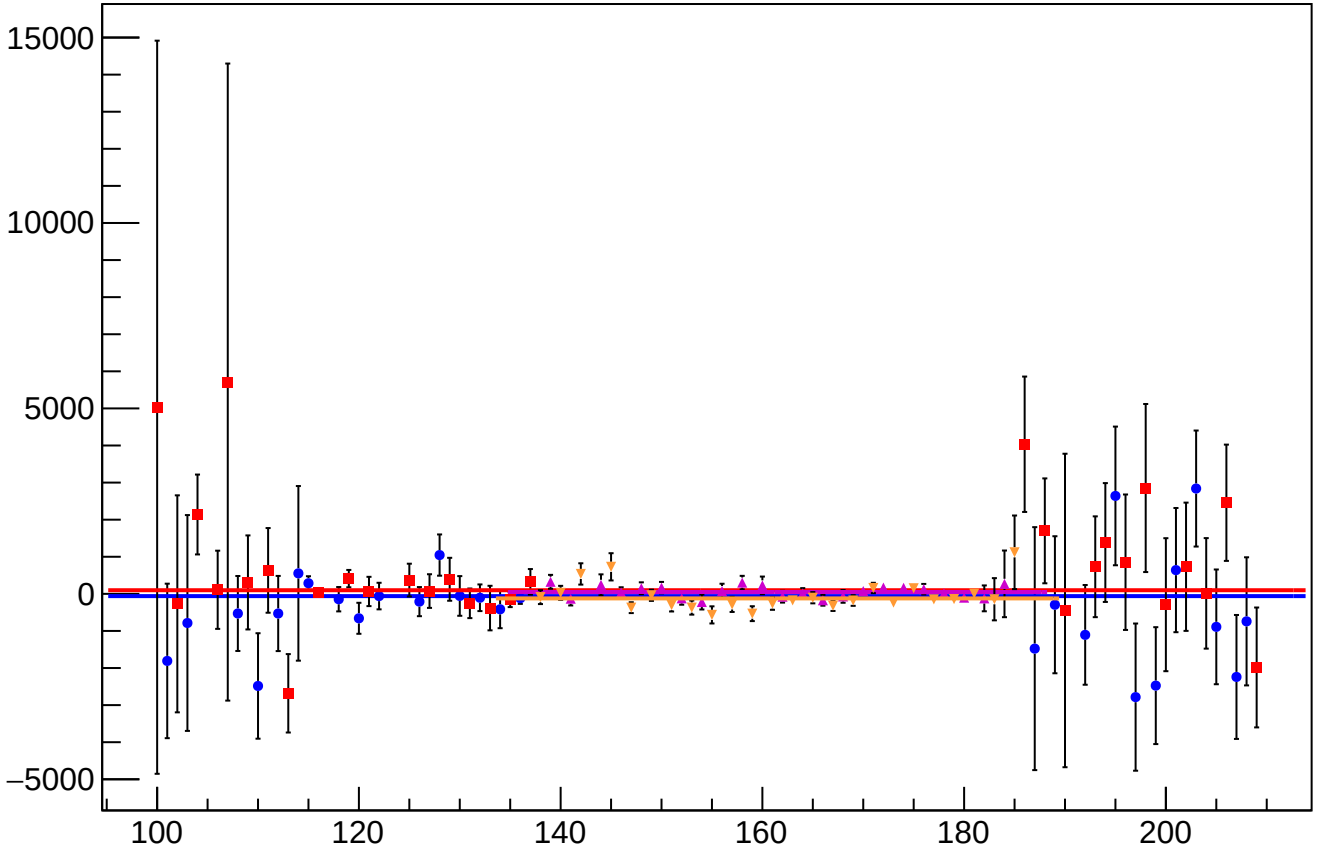
Right: 2233.077+/-0.278 χ^2/NDF: 742184.4/56

In: 2201.206+/-0.267 χ^2/NDF:552948.4/49

Out: 2206.471+/-0.263 χ^2/NDF:211534.5/53

All: 2203.883+/-0.187 χ^2/NDF: 764680.3/103

asym_us_dd_at1lr_dd_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -61.088+/-89.540 χ^2/NDF: 27.3/26

Left Out: -122.928+/-31.408 χ^2/NDF:43.8/23

Right Out: 97.766+/-81.184 χ^2/NDF: 30.1/29

Left In: 50.209+/-32.548 χ^2/NDF:18.3/22

Left: -39.445+/-22.601 χ^2/NDF: 76.7/46

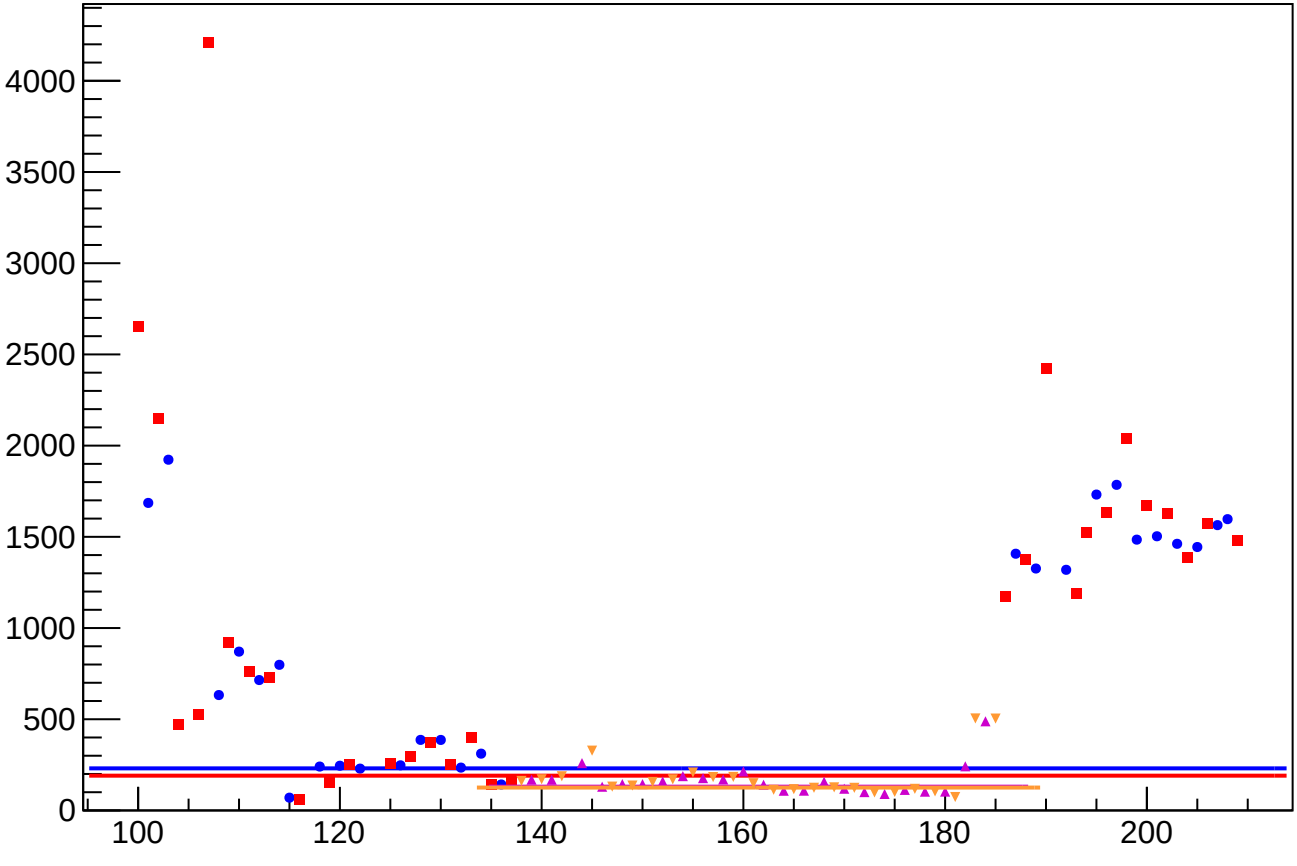
Right: 26.095+/-60.143 χ^2/NDF: 59.1/56

In: 37.219+/-30.590 χ^2/NDF:46.9/49

Out: -94.196+/-29.292 χ^2/NDF:80.3/53

All: -31.335+/-21.157 χ^2/NDF: 136.8/103

asym_us_dd_at1lr_dd_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 230.762+/-0.063 χ^2/NDF: 17641215.2/26

Left Out: 125.503+/-0.022 χ^2/NDF:3943570.9/23

Right Out: 190.714+/-0.057 χ^2/NDF: 20946287.0/29

Left In: 130.451+/-0.023 χ^2/NDF:2679365.4/22

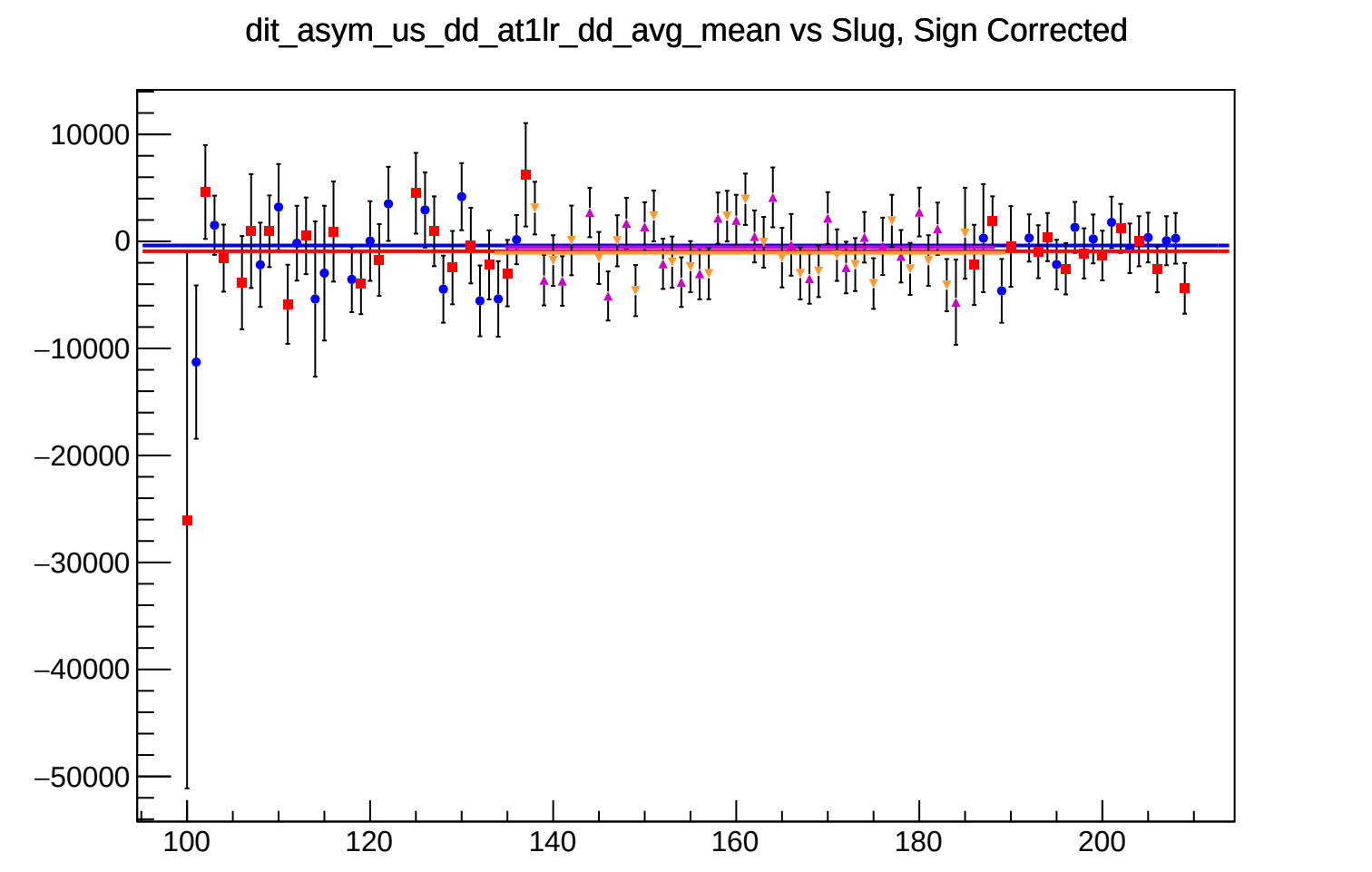
Left: 127.889+/-0.016 χ^2/NDF: 6646874.7/46

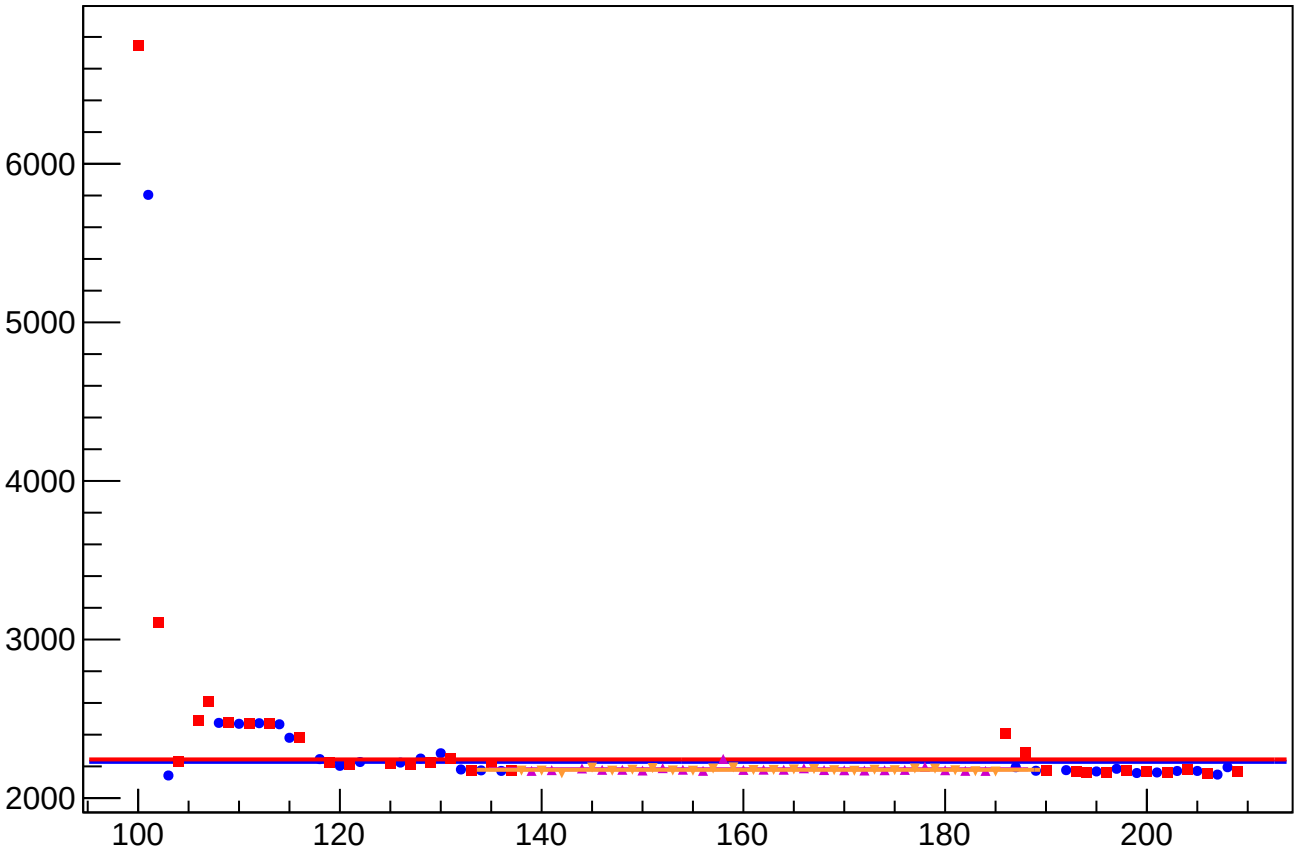
Right: 208.783+/-0.043 χ^2/NDF: 38807088.0/56

In: 142.159+/-0.022 χ^2/NDF:22537769.7/49

Out: 133.992+/-0.021 χ^2/NDF:26012314.3/53

All: 137.899+/-0.015 χ^2/NDF: 48624441.9/10


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
Right In: -380.600+/-564.672 χ²/NDF: 20.3/26
Left Out: -1062.372+/-505.627 χ²/NDF:21.9/23
Right Out: -918.042+/-549.838 χ²/NDF: 18.4/29
Left In: -544.260+/-509.433 χ²/NDF:27.9/22
Left: -805.259+/-358.870 χ²/NDF: 50.3/46
Right: -656.473+/-393.934 χ²/NDF: 39.2/56
In: -470.825+/-378.249 χ²/NDF:48.3/49
Out: -996.242+/-372.182 χ²/NDF:40.3/53
All: -737.781+/-265.291 χ²/NDF: 89.6/103



Right In: 2228.558+/-0.399 χ^2/NDF: 543306.7/26

Left Out: 2178.503+/-0.358 χ^2/NDF:456.1/23

Right Out: 2243.949+/-0.389 χ^2/NDF: 213087.5/29

Left In: 2181.882+/-0.360 χ^2/NDF:1838.2/22

Left: 2180.180+/-0.254 χ^2/NDF: 2338.6/46

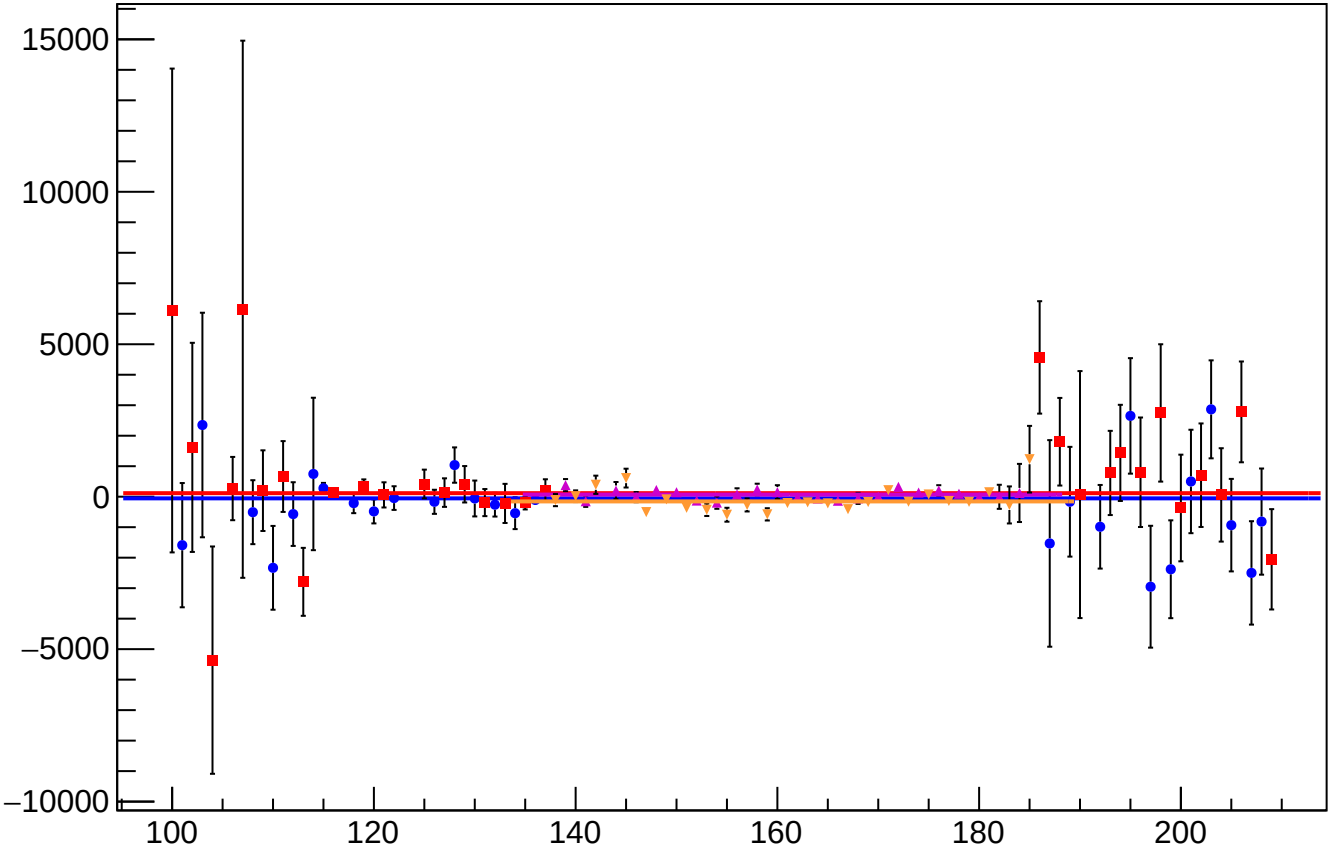
Right: 2236.458+/-0.279 χ^2/NDF: 757157.0/56

In: 2202.826+/-0.267 χ^2/NDF:552678.3/49

Out: 2208.490+/-0.263 χ^2/NDF:228896.0/53

All: 2205.704+/-0.188 χ^2/NDF: 781802.2/103

asym_us_dd_at1lr_dd_avg_dit_correction_mean vs Slug, Sign Corrected



Right In: -54.579+/-90.986 χ^2/NDF: 27.0/26

Left Out: -154.725+/-34.061 χ^2/NDF:47.3/23

Right Out: 115.514+/-84.806 χ^2/NDF: 29.3/29

Left In: 70.142+/-34.204 χ^2/NDF:18.9/22

Left: -42.765+/-24.135 χ^2/NDF: 87.9/46

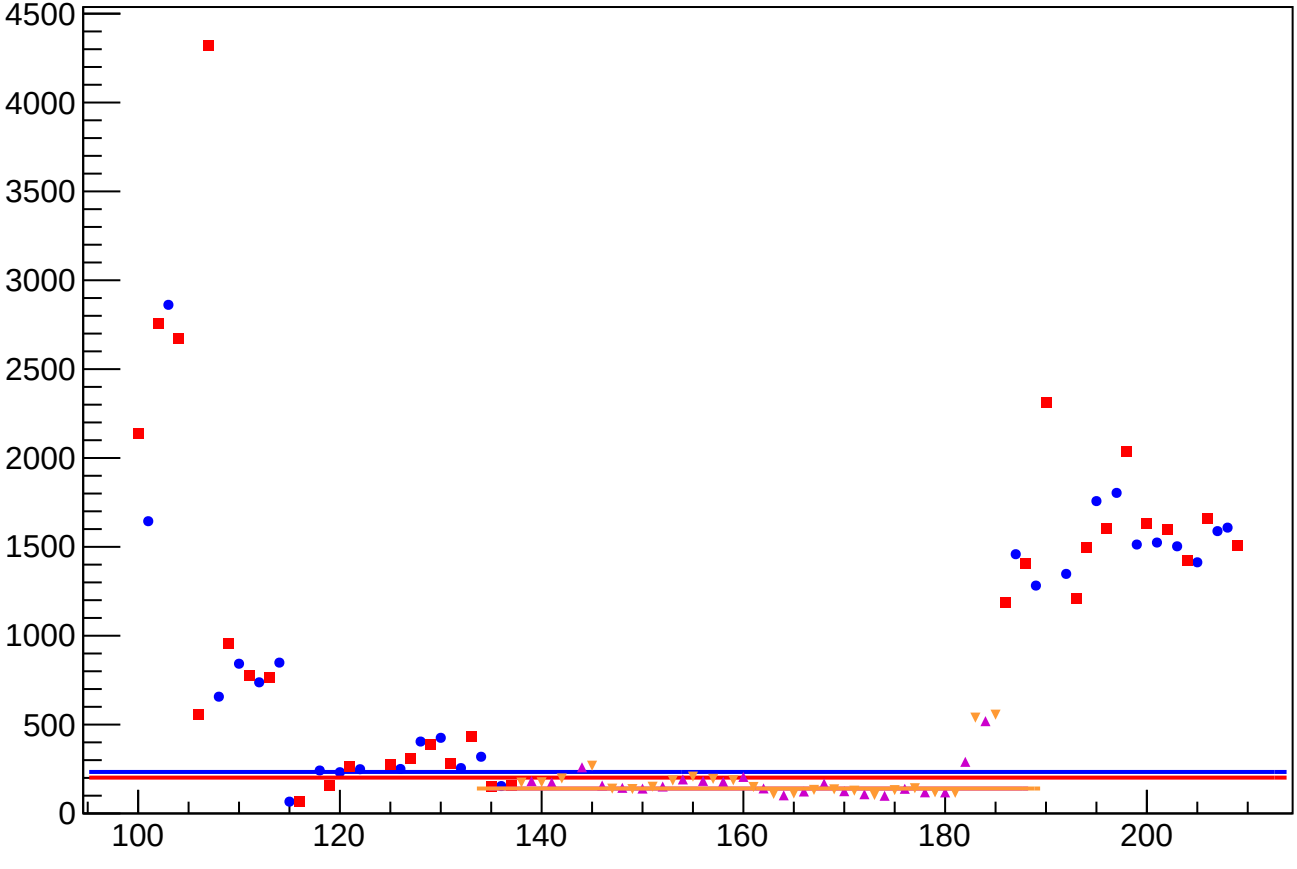
Right: 36.439+/-62.037 χ^2/NDF: 58.1/56

In: 54.698+/-32.017 χ^2/NDF:47.6/49

Out: -117.189+/-31.607 χ^2/NDF:85.3/53

All: -32.353+/-22.493 χ^2/NDF: 147.5/103

asym_us_dd_at1lr_dd_avg_dit_correction_rms vs Slug, Sign Corrected



Right In: 233.526+/-0.064 χ^2/NDF: 18200370.2/26

Left Out: 140.319+/-0.024 χ^2/NDF:2760284.0/23

Right Out: 201.657+/-0.060 χ^2/NDF: 21747151.7/29

Left In: 139.979+/-0.024 χ^2/NDF:2412455.4/22

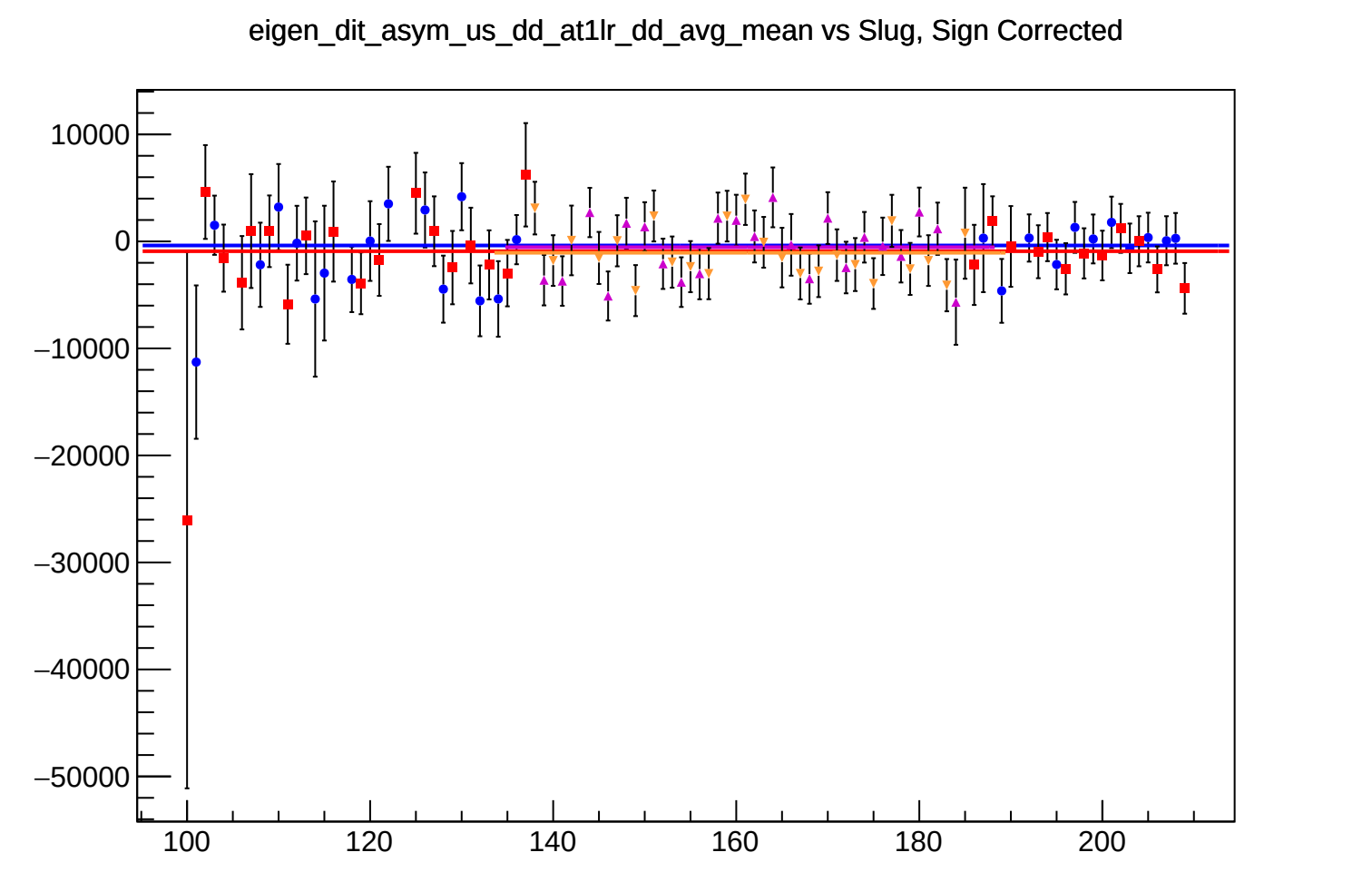
Left: 140.149+/-0.017 χ^2/NDF: 5172838.7/46

Right: 216.472+/-0.044 χ^2/NDF: 40078822.0/56

In: 151.562+/-0.023 χ^2/NDF:22465229.0/49

Out: 148.838+/-0.022 χ^2/NDF:25408356.3/53

All: 150.183+/-0.016 χ^2/NDF: 47880914.7/10



Right In: -380.602+/-564.672 χ^2/NDF: 20.3/26

Left Out: -1062.373+/-505.627 χ^2/NDF:21.9/23

Right Out: -918.041+/-549.838 χ^2/NDF: 18.4/29

Left In: -544.259+/-509.433 χ^2/NDF:27.9/22

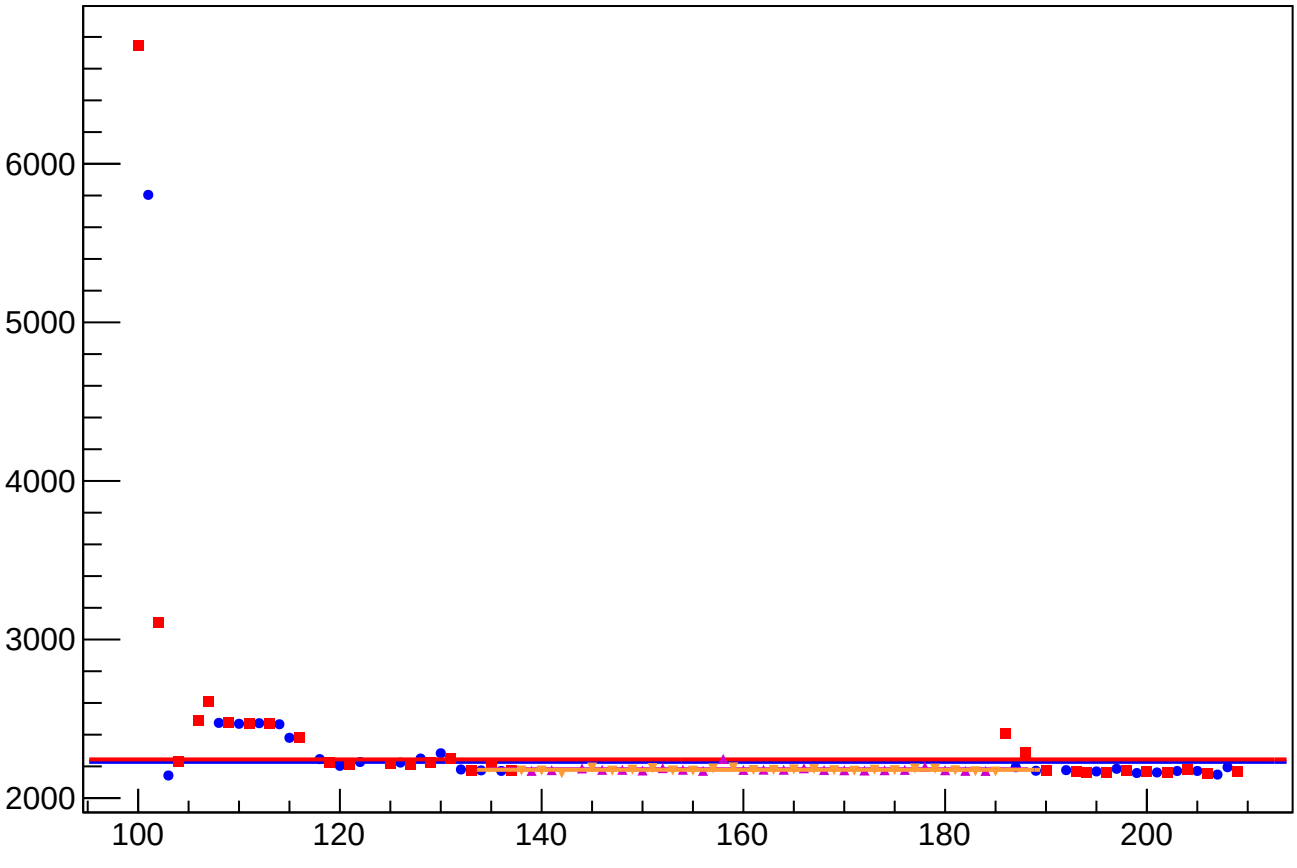
Left: -805.259+/-358.870 χ^2/NDF: 50.3/46

Right: -656.474+/-393.934 χ^2/NDF: 39.2/56

In: -470.825+/-378.249 χ^2/NDF:48.3/49

Out: -996.242+/-372.182 χ^2/NDF:40.3/53

All: -737.781+/-265.291 χ^2/NDF: 89.6/103



Right In: 2228.558+/-0.399 χ^2/NDF: 543306.7/26

Left Out: 2178.503+/-0.358 χ^2/NDF:456.1/23

Right Out: 2243.949+/-0.389 χ^2/NDF: 213087.4/29

Left In: 2181.882+/-0.360 χ^2/NDF:1838.2/22

Left: 2180.180+/-0.254 χ^2/NDF: 2338.6/46

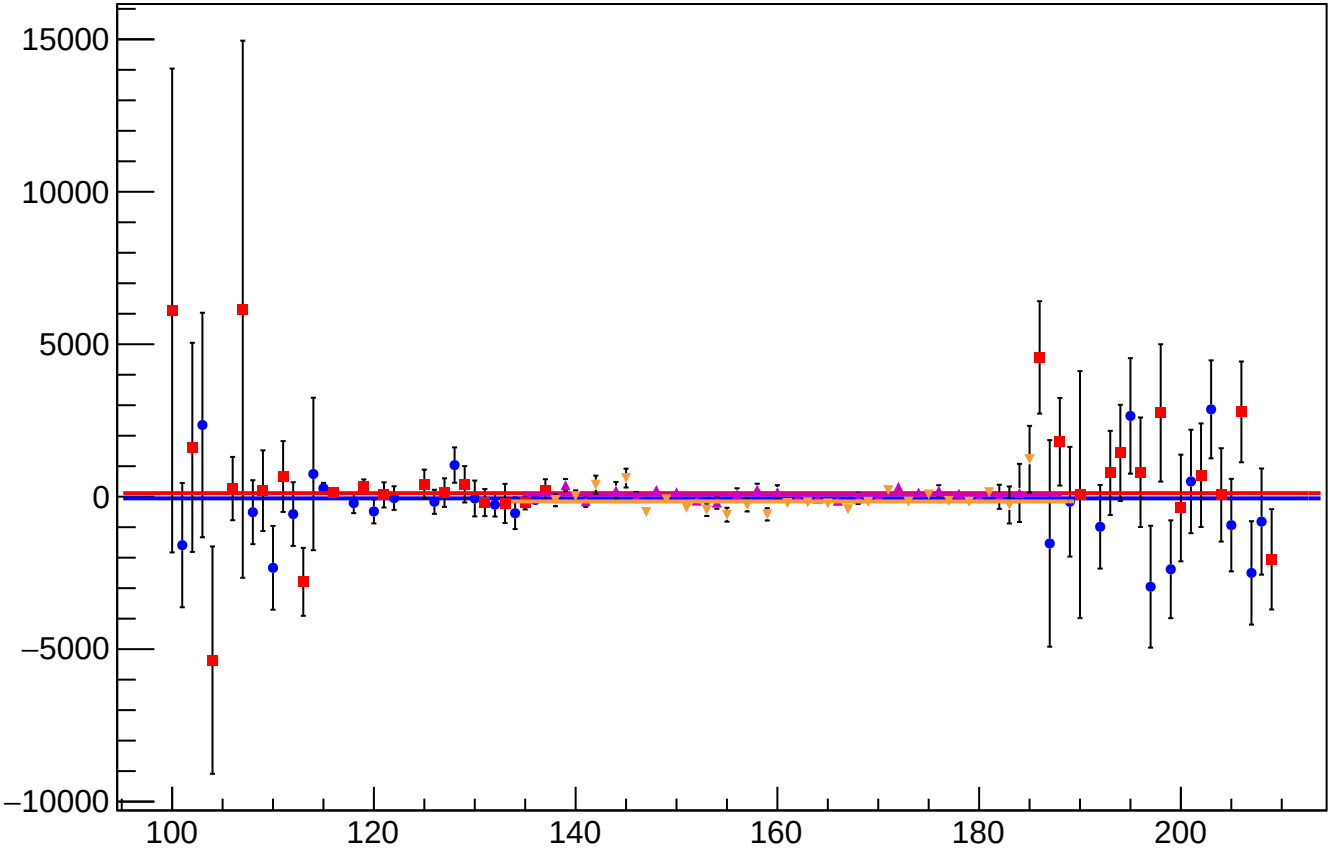
Right: 2236.458+/-0.279 χ^2/NDF: 757156.9/56

In: 2202.826+/-0.267 χ^2/NDF:552678.4/49

Out: 2208.490+/-0.263 χ^2/NDF:228895.9/53

All: 2205.704+/-0.188 χ^2/NDF: 781802.1/103

asym_us_dd_at1lr_dd_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -54.576+/-90.985 χ^2/NDF: 27.0/26

Left Out: -154.726+/-34.061 χ^2/NDF:47.3/23

Right Out: 115.514+/-84.805 χ^2/NDF: 29.3/29

Left In: 70.141+/-34.204 χ^2/NDF:18.9/22

Left: -42.766+/-24.135 χ^2/NDF: 87.9/46

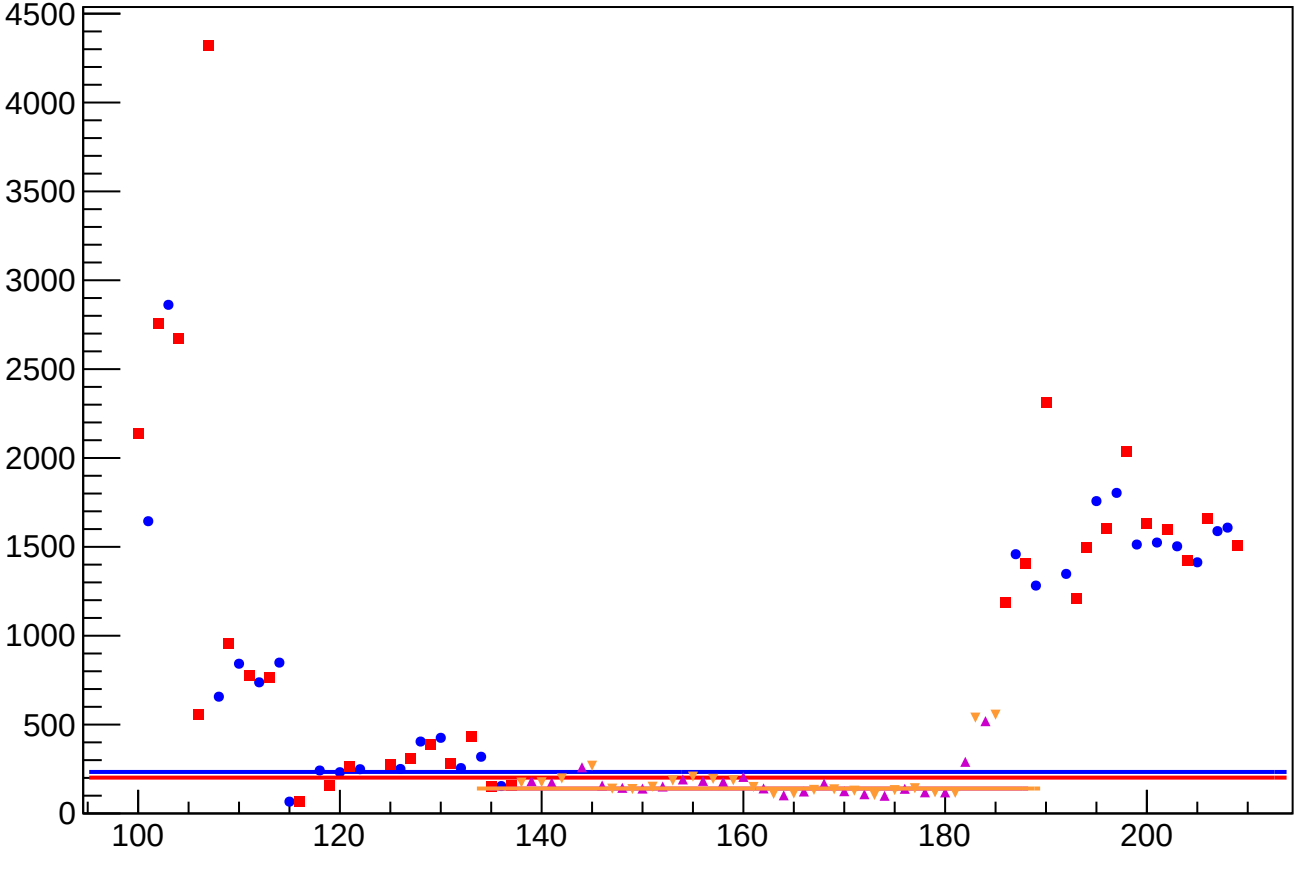
Right: 36.441+/-62.036 χ^2/NDF: 58.1/56

In: 54.697+/-32.017 χ^2/NDF:47.6/49

Out: -117.189+/-31.607 χ^2/NDF:85.3/53

All: -32.353+/-22.493 χ^2/NDF: 147.5/103

asym_us_dd_at1lr_dd_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 233.523+/-0.064 χ^2/NDF: 18200465.0/26

Left Out: 140.319+/-0.024 χ^2/NDF:2760280.2/23

Right Out: 201.654+/-0.060 χ^2/NDF: 21747272.2/29

Left In: 139.979+/-0.024 χ^2/NDF:2412509.5/22

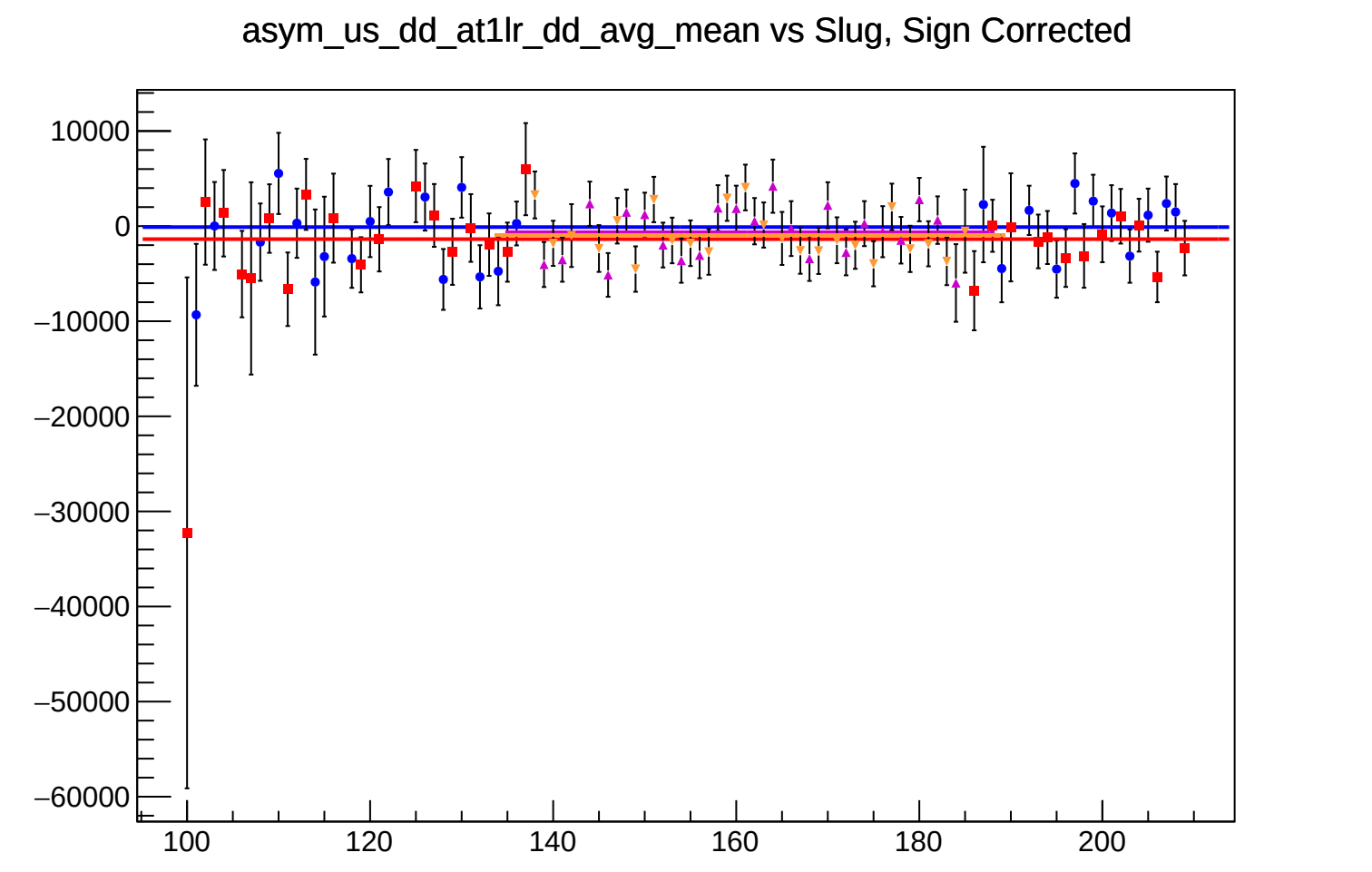
Left: 140.150+/-0.017 χ^2/NDF: 5172889.1/46

Right: 216.469+/-0.044 χ^2/NDF: 40079039.7/56

In: 151.562+/-0.023 χ^2/NDF:22465280.6/49

Out: 148.839+/-0.022 χ^2/NDF:25408388.4/53

All: 150.183+/-0.016 χ^2/NDF: 47880997.9/10



Right In: -100.996+/-645.667 χ^2/NDF: 26.3/26

Left Out: -932.002+/-507.717 χ^2/NDF:22.4/23

Right Out: -1367.560+/-637.231 χ^2/NDF: 19.3/29

Left In: -642.773+/-511.372 χ^2/NDF:27.0/22

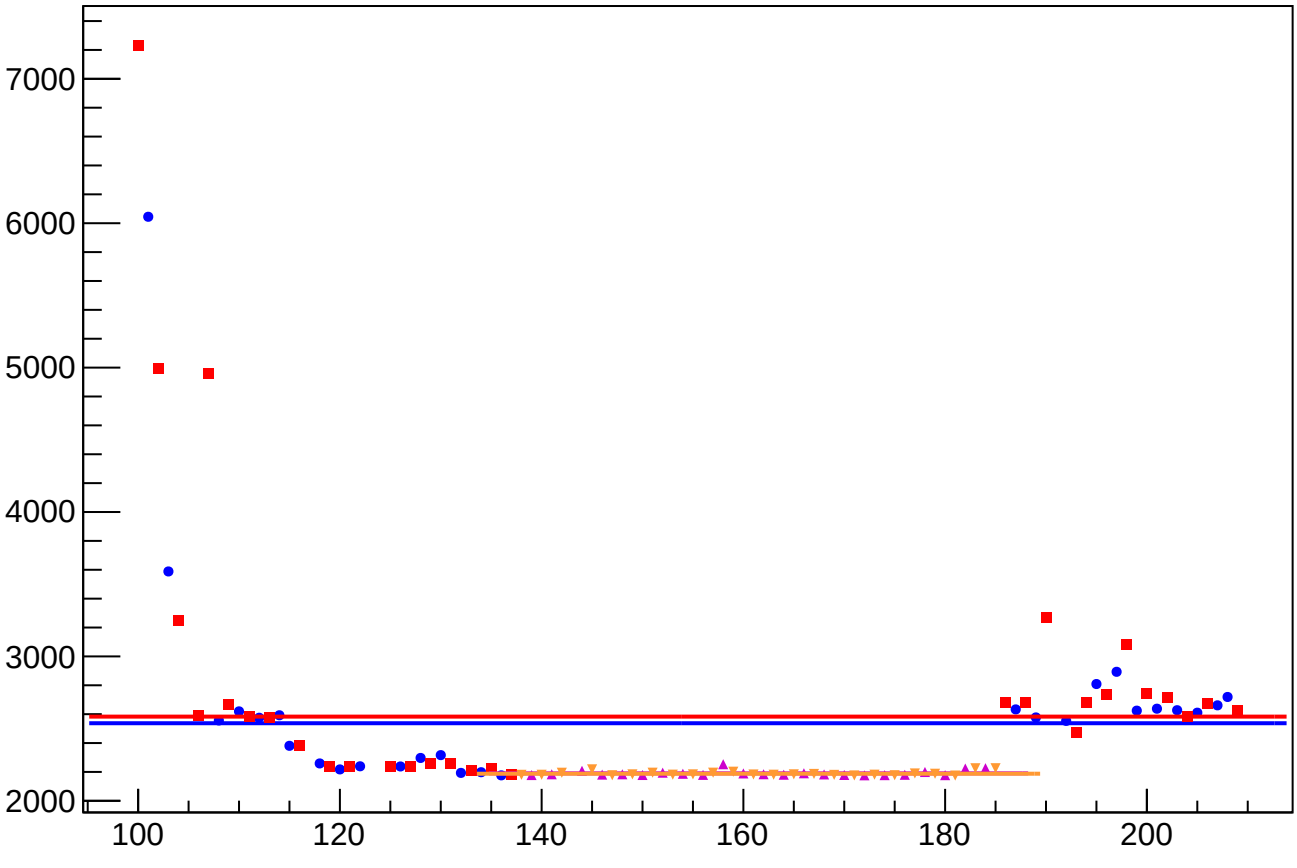
Left: -788.425+/-360.295 χ^2/NDF: 49.6/46

Right: -742.607+/-453.544 χ^2/NDF: 47.6/56

In: -433.932+/-400.873 χ^2/NDF:53.7/49

Out: -1101.134+/-397.088 χ^2/NDF:42.0/53

All: -770.697+/-282.112 χ^2/NDF: 97.1/103



Right In: 2537.248+/-0.457 χ^2/NDF: 778602.4/26

Left Out: 2187.620+/-0.359 χ^2/NDF:1342.1/23

Right Out: 2583.051+/-0.451 χ^2/NDF: 774828.1/29

Left In: 2190.163+/-0.362 χ^2/NDF:2542.8/22

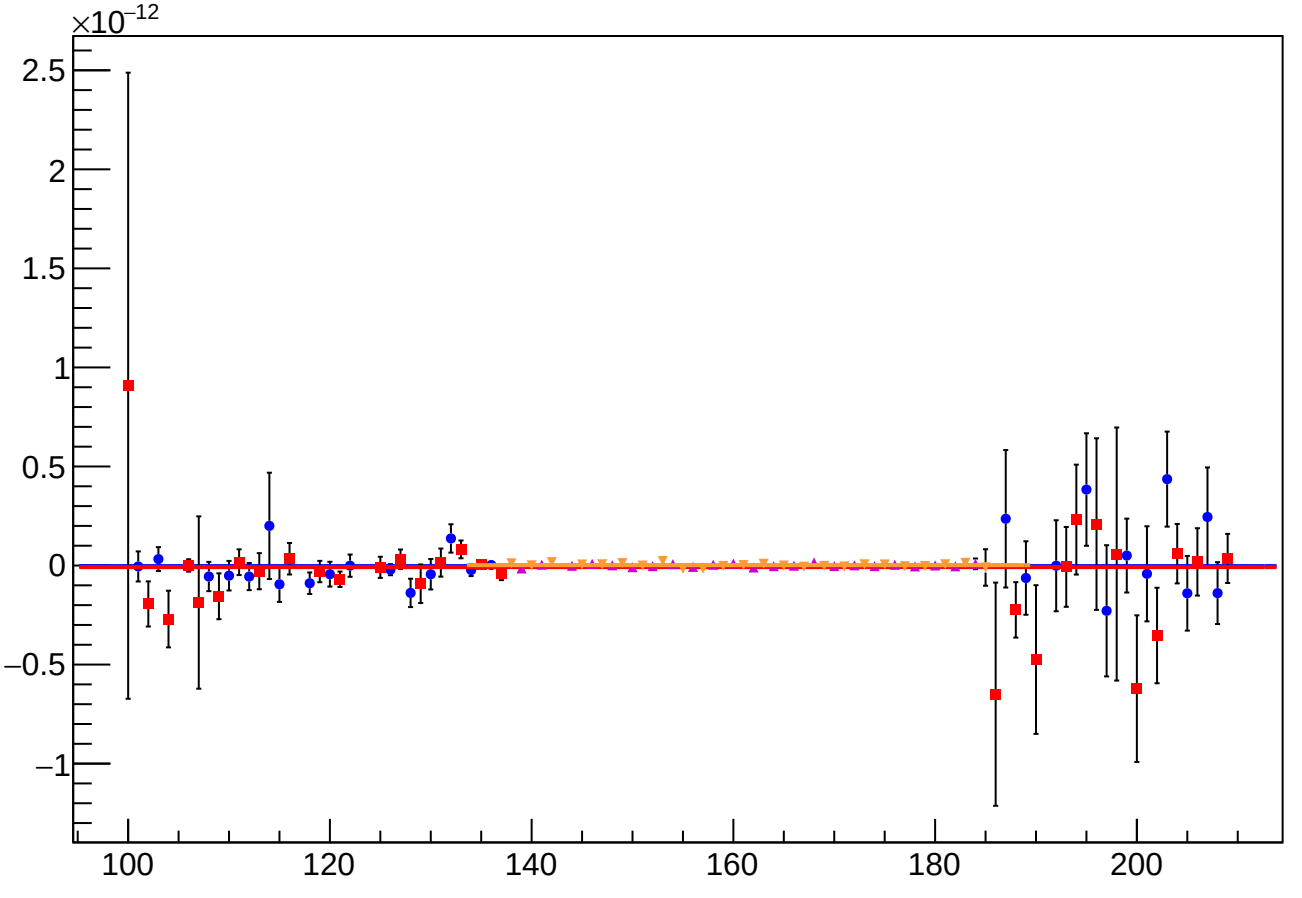
Left: 2188.882+/-0.255 χ^2/NDF: 3909.8/46

Right: 2560.451+/-0.321 χ^2/NDF: 1558529.0/56

In: 2323.956+/-0.283 χ^2/NDF:1136304.8/49

Out: 2341.171+/-0.281 χ^2/NDF:1247266.7/53

All: 2332.645+/-0.199 χ^2/NDF: 2385433.1/10



Right In: -0.000+/-0.000 χ^2/NDF: 24.2/26

Left Out: 0.000+/-0.000 χ^2/NDF:19.4/23

Right Out: -0.000+/-0.000 χ^2/NDF: 30.3/29

Left In: -0.000+/-0.000 χ^2/NDF:13.3/22

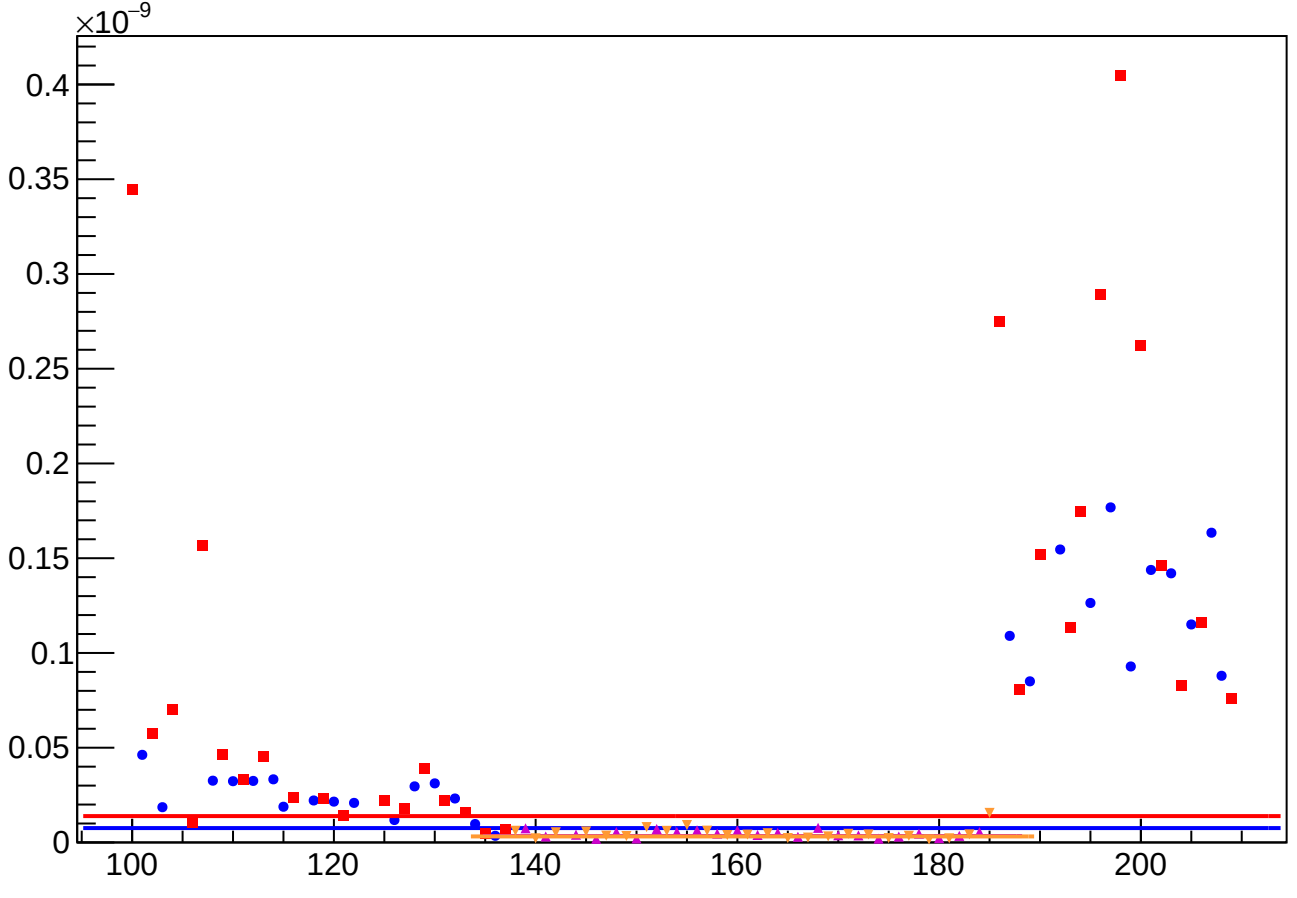
Left: 0.000+/-0.000 χ^2/NDF: 33.7/46

Right: -0.000+/-0.000 χ^2/NDF: 54.7/56

In: -0.000+/-0.000 χ^2/NDF:37.7/49

Out: 0.000+/-0.000 χ^2/NDF:50.7/53

All: 0.000+/-0.000 χ^2/NDF: 89.4/103



Right In: 0.000+/-0.000 χ^2/NDF: 8764282.8/26

Left Out: 0.000+/-0.000 χ^2/NDF:2065501.9/23

Right Out: 0.000+/-0.000 χ^2/NDF: 9850747.5/29

Left In: 0.000+/-0.000 χ^2/NDF:1703481.0/22

Left: 0.000+/-0.000 χ^2/NDF: 3787444.9/46

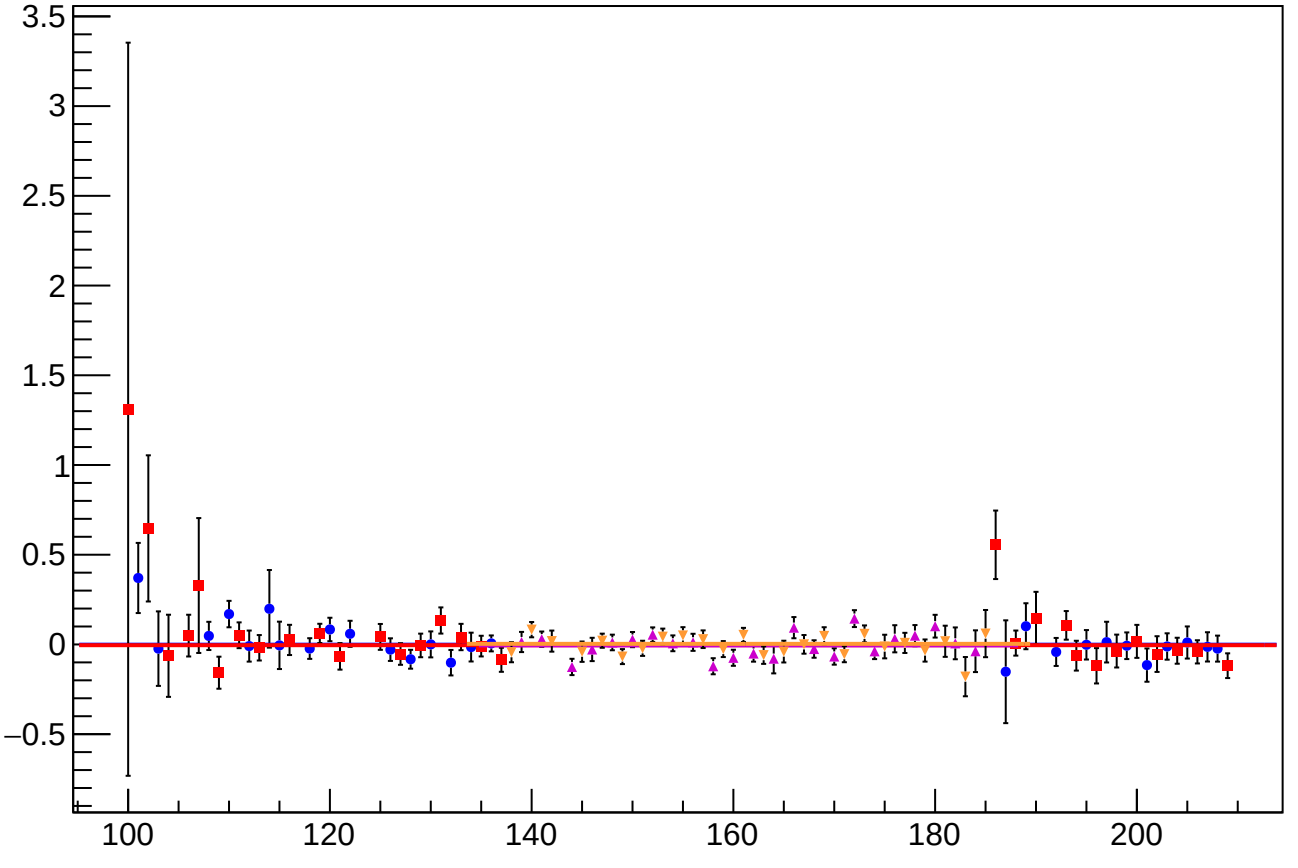
Right: 0.000+/-0.000 χ^2/NDF: 19220238.9/56

In: 0.000+/-0.000 χ^2/NDF:11306822.0/49

Out: 0.000+/-0.000 χ^2/NDF:14337030.1/53

All: 0.000+/-0.000 χ^2/NDF: 25665888.3/103

asym_us_dd_at1lr_dd_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.001+/-0.015 χ^2/NDF: 20.3/26

Left Out: 0.003+/-0.010 χ^2/NDF:21.8/23

Right Out: -0.004+/-0.015 χ^2/NDF: 33.6/29

Left In: -0.005+/-0.011 χ^2/NDF:41.4/22

Left: -0.001+/-0.007 χ^2/NDF: 63.6/46

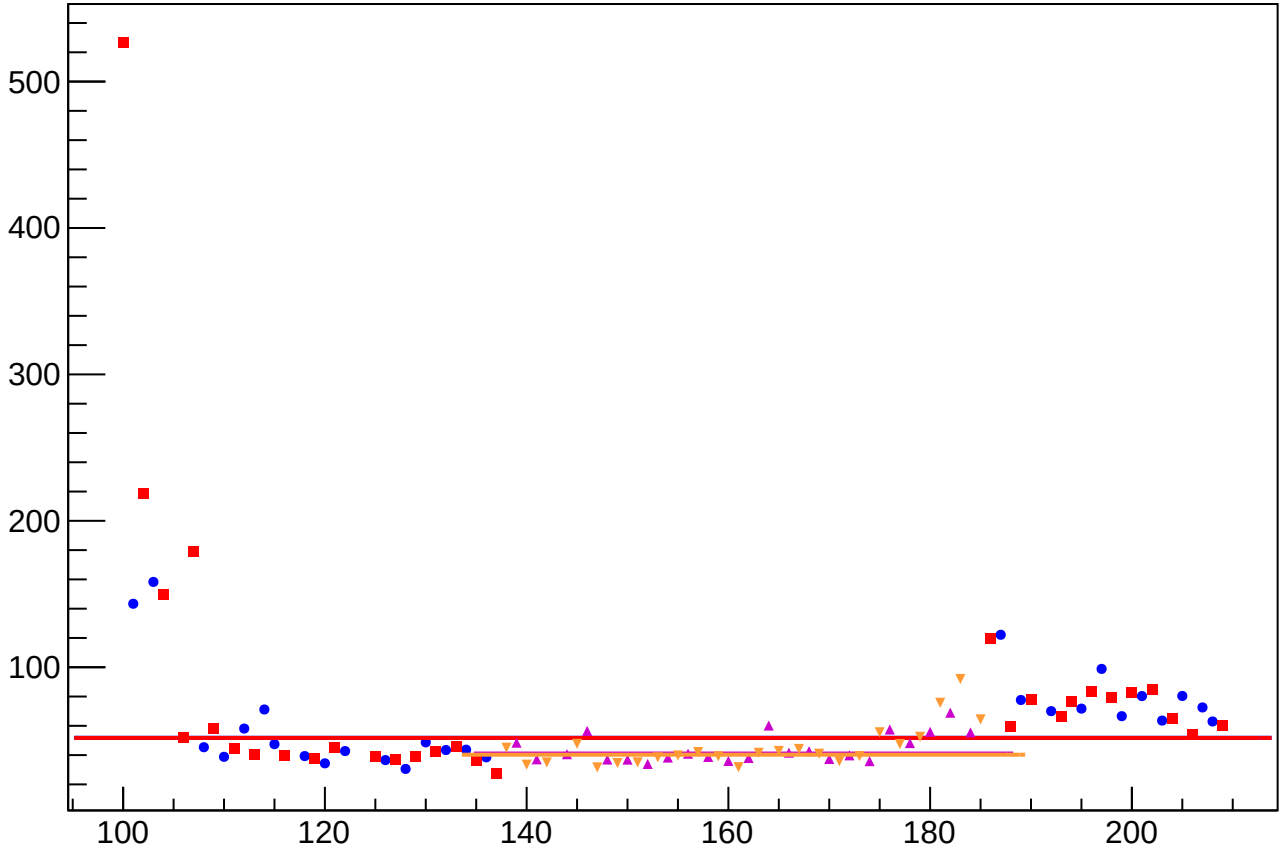
Right: -0.003+/-0.011 χ^2/NDF: 53.9/56

In: -0.004+/-0.009 χ^2/NDF:61.7/49

Out: 0.001+/-0.008 χ^2/NDF:55.6/53

All: -0.002+/-0.006 χ^2/NDF: 117.5/103

asym_us_dd_at1lr_dd_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 51.832+/-0.011 χ^2/NDF: 3485870.6/26

Left Out: 40.277+/-0.007 χ^2/NDF:1489065.3/23

Right Out: 51.726+/-0.010 χ^2/NDF: 3556332.1/29

Left In: 41.082+/-0.007 χ^2/NDF:926843.9/22

Left: 40.672+/-0.005 χ^2/NDF: 2421828.9/46

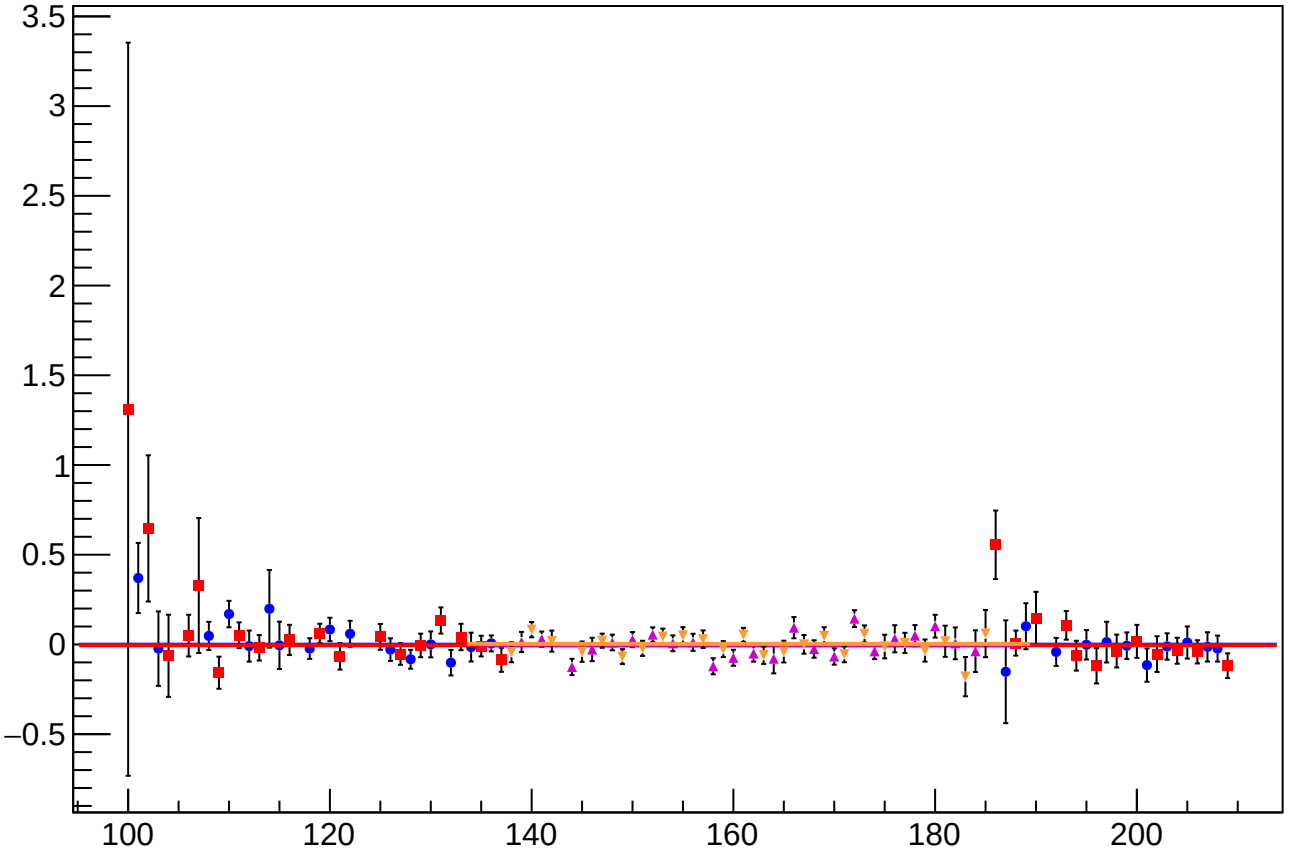
Right: 51.778+/-0.007 χ^2/NDF: 7042253.0/56

In: 44.627+/-0.006 χ^2/NDF:5095939.8/49

Out: 44.043+/-0.006 χ^2/NDF:5847276.5/53

All: 44.330+/-0.004 χ^2/NDF: 10947870.8/103

asym_us_dd_at1lr_dd_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.001+/-0.015 χ^2/NDF: 20.3/26

Left Out: 0.003+/-0.010 χ^2/NDF:21.8/23

Right Out: -0.004+/-0.015 χ^2/NDF: 33.6/29

Left In: -0.005+/-0.011 χ^2/NDF:41.4/22

Left: -0.001+/-0.007 χ^2/NDF: 63.6/46

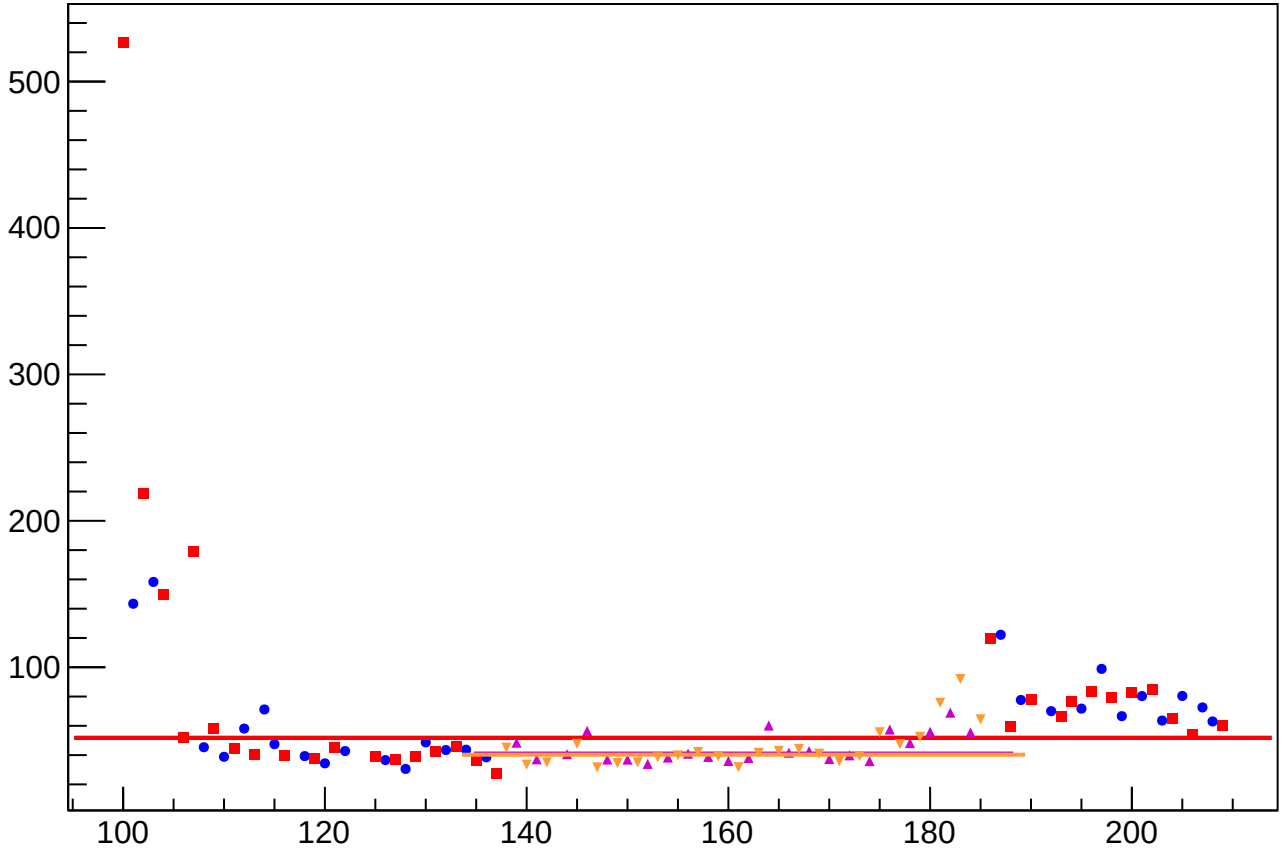
Right: -0.003+/-0.011 χ^2/NDF: 53.9/56

In: -0.004+/-0.009 χ^2/NDF:61.7/49

Out: 0.001+/-0.008 χ^2/NDF:55.6/53

All: -0.002+/-0.006 χ^2/NDF: 117.5/103

asym_us_dd_at1lr_dd_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 51.832+/-0.011 χ^2/NDF: 3485870.6/26

Left Out: 40.277+/-0.007 χ^2/NDF:1489065.3/23

Right Out: 51.726+/-0.010 χ^2/NDF: 3556332.1/29

Left In: 41.082+/-0.007 χ^2/NDF:926843.9/22

Left: 40.672+/-0.005 χ^2/NDF: 2421828.9/46

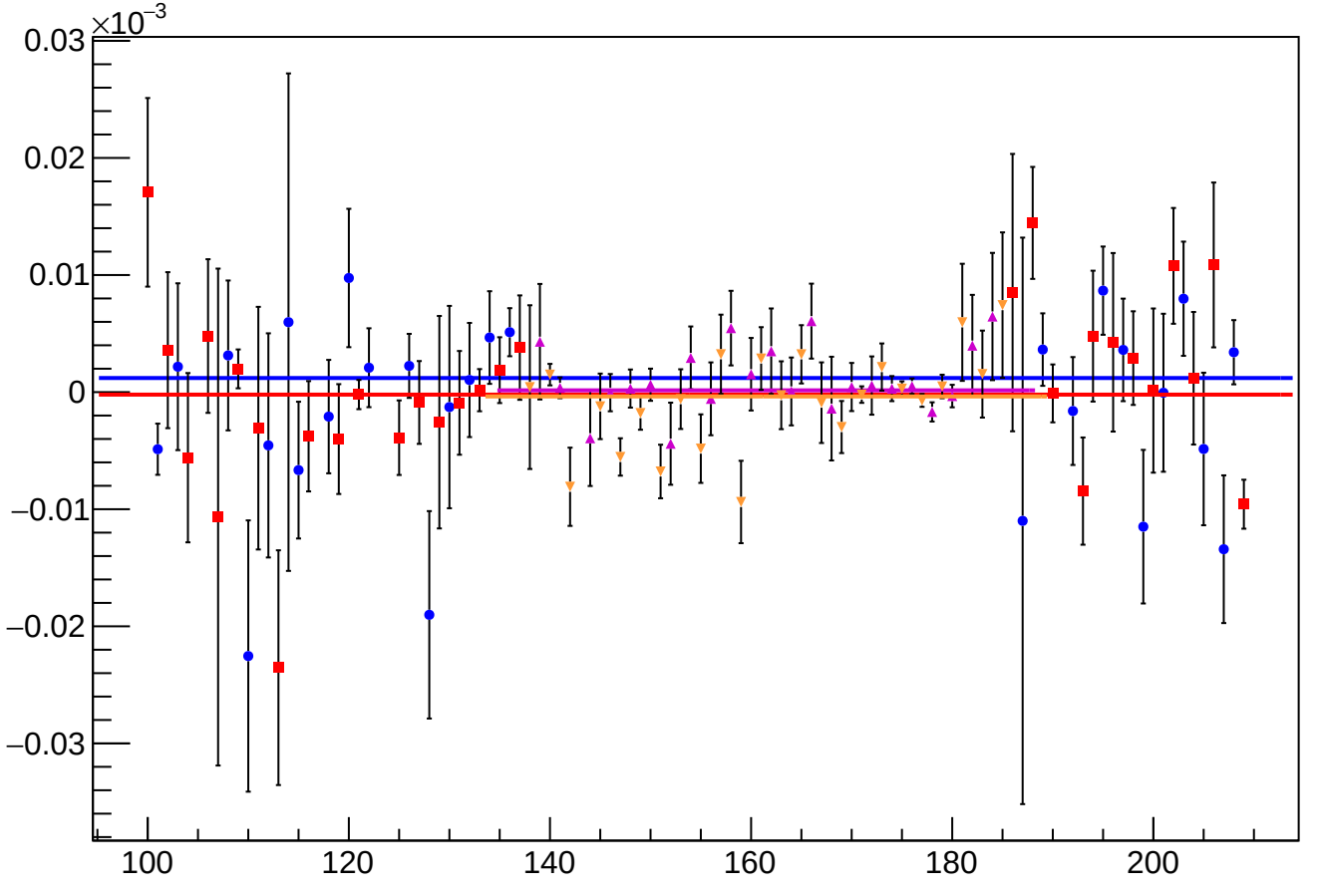
Right: 51.778+/-0.007 χ^2/NDF: 7042253.0/56

In: 44.627+/-0.006 χ^2/NDF:5095939.8/49

Out: 44.043+/-0.006 χ^2/NDF:5847276.5/53

All: 44.330+/-0.004 χ^2/NDF: 10947870.8/103

asym_us_dd_at1lr_dd_avg_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 44.8/26

Left Out: -0.000+/-0.000 χ^2/NDF:51.2/23

Right Out: -0.000+/-0.000 χ^2/NDF: 60.1/29

Left In: 0.000+/-0.000 χ^2/NDF:19.9/22

Left: -0.000+/-0.000 χ^2/NDF: 72.6/46

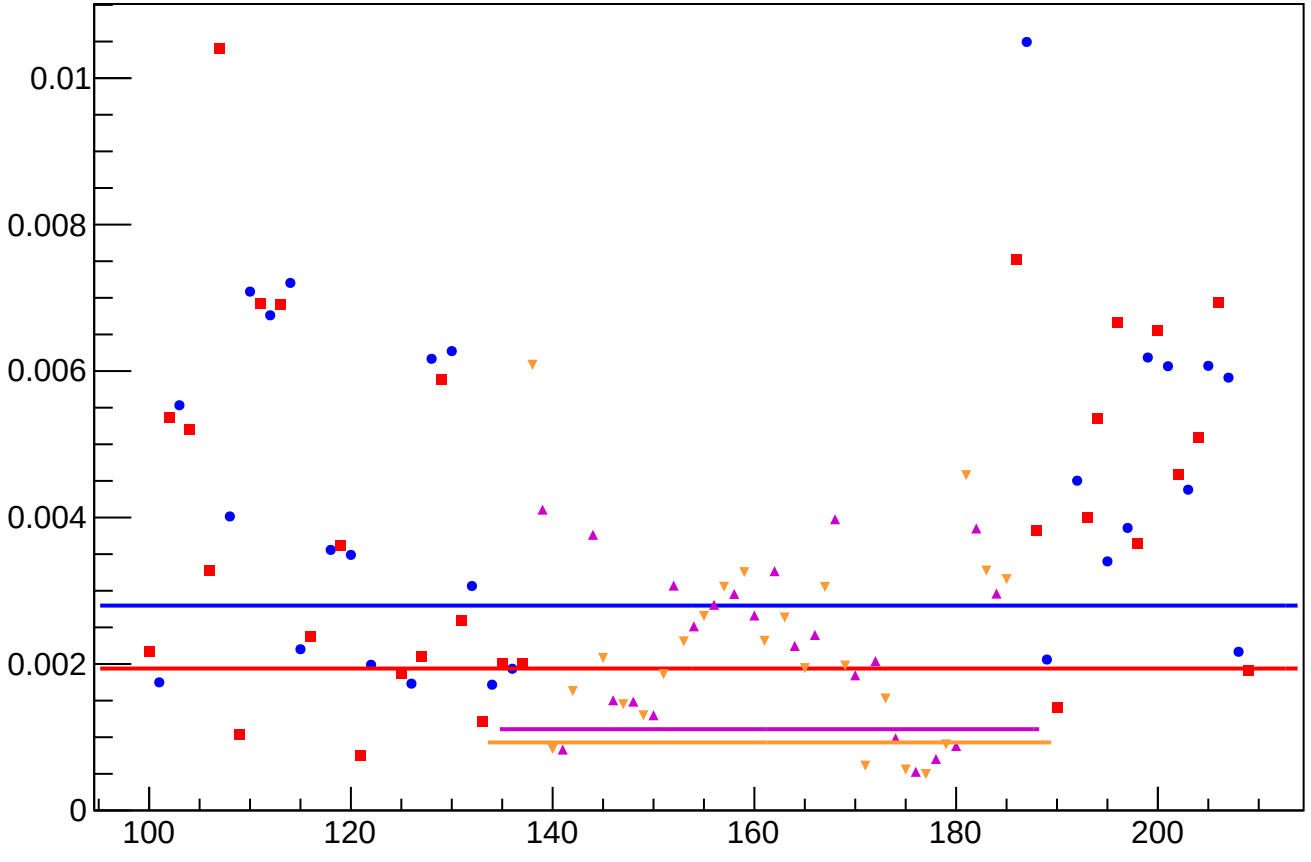
Right: 0.000+/-0.000 χ^2/NDF: 106.8/56

In: 0.000+/-0.000 χ^2/NDF:66.1/49

Out: -0.000+/-0.000 χ^2/NDF:111.3/53

All: -0.000+/-0.000 χ^2/NDF: 180.1/103

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: 6239011.4/26

Left Out: 0.001+/-0.000 χ^2/NDF:12568645.9/23

Right Out: 0.002+/-0.000 χ^2/NDF: 11915189.6/29

Left In: 0.001+/-0.000 χ^2/NDF:10930077.0/22

Left: 0.001+/-0.000 χ^2/NDF: 23862151.8/46

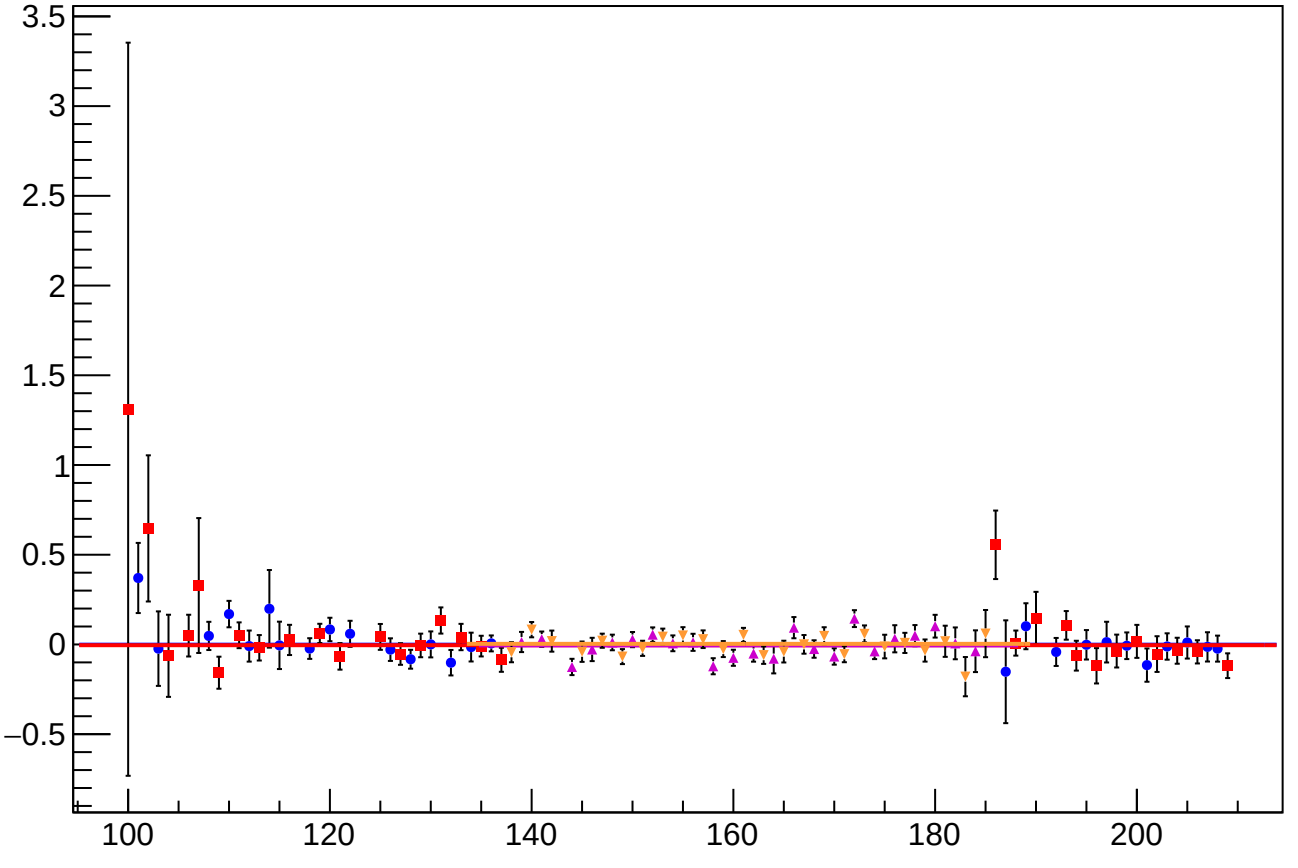
Right: 0.002+/-0.000 χ^2/NDF: 19574370.0/56

In: 0.001+/-0.000 χ^2/NDF:24626768.5/49

Out: 0.001+/-0.000 χ^2/NDF:28945397.1/53

All: 0.001+/-0.000 χ^2/NDF: 54294022.6/103

asym_us_dd_at1lr_dd_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.001+/-0.015 χ^2/NDF: 20.3/26

Left Out: 0.003+/-0.010 χ^2/NDF:21.8/23

Right Out: -0.004+/-0.015 χ^2/NDF: 33.6/29

Left In: -0.005+/-0.011 χ^2/NDF:41.4/22

Left: -0.001+/-0.007 χ^2/NDF: 63.6/46

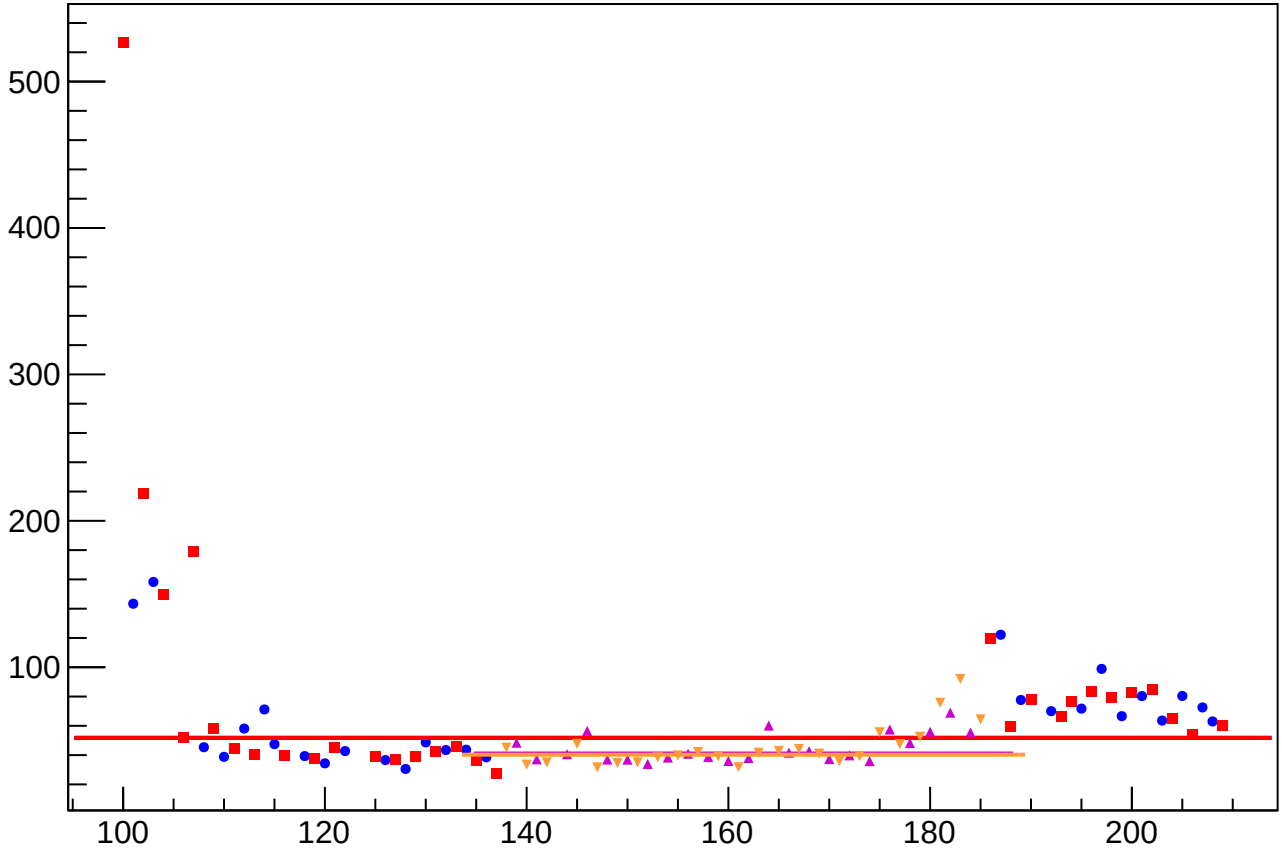
Right: -0.003+/-0.011 χ^2/NDF: 53.9/56

In: -0.004+/-0.009 χ^2/NDF:61.7/49

Out: 0.001+/-0.008 χ^2/NDF:55.6/53

All: -0.002+/-0.006 χ^2/NDF: 117.5/103

asym_us_dd_at1lr_dd_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 51.830+/-0.011 χ^2/NDF: 3486460.6/26

Left Out: 40.277+/-0.007 χ^2/NDF:1489049.7/23

Right Out: 51.726+/-0.010 χ^2/NDF: 3556296.7/29

Left In: 41.082+/-0.007 χ^2/NDF:926883.3/22

Left: 40.672+/-0.005 χ^2/NDF: 2421851.2/46

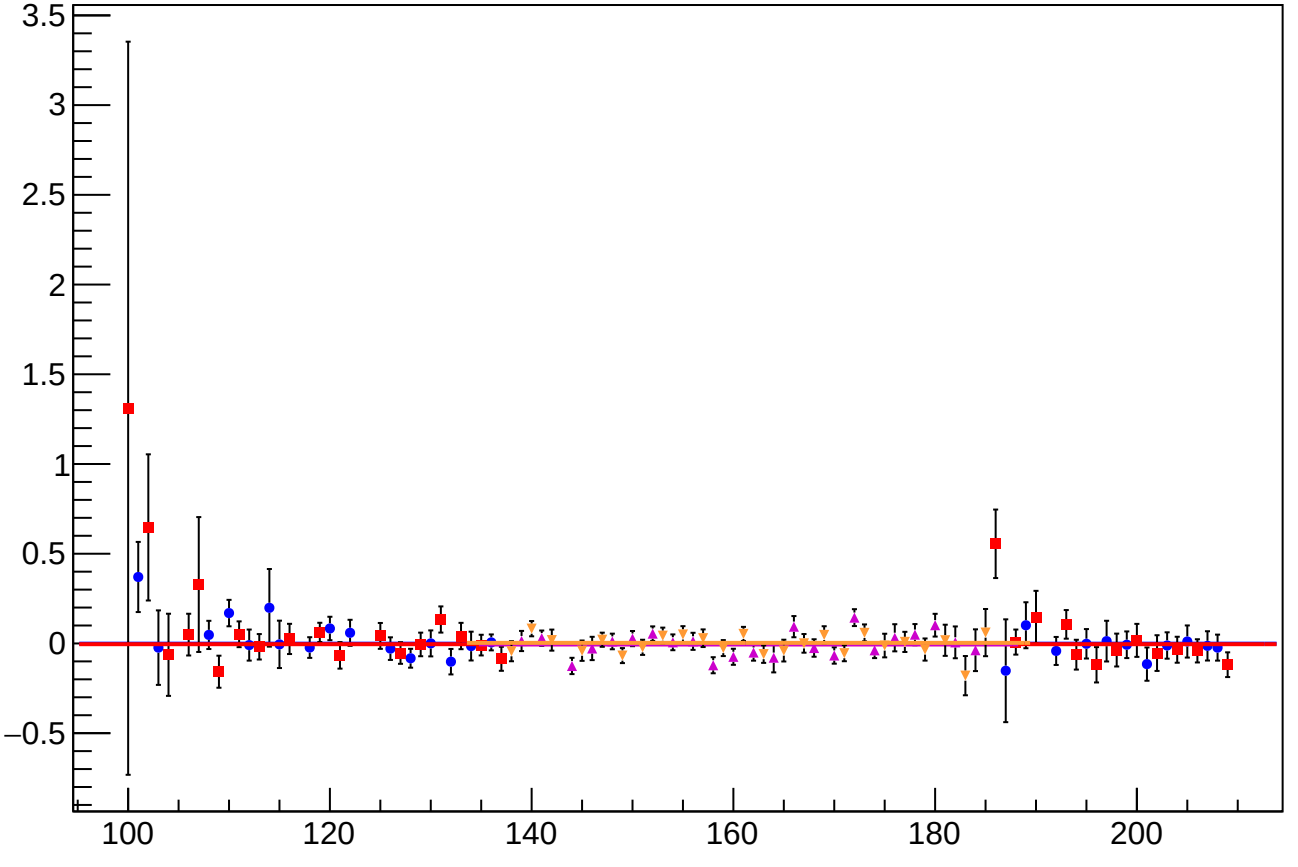
Right: 51.777+/-0.007 χ^2/NDF: 7042805.1/56

In: 44.627+/-0.006 χ^2/NDF:5096324.8/49

Out: 44.043+/-0.006 χ^2/NDF:5847278.5/53

All: 44.330+/-0.004 χ^2/NDF: 10948245.5/103

asym_us_dd_at1lr_dd_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.001+/-0.015 χ^2/NDF: 20.3/26

Left Out: 0.003+/-0.010 χ^2/NDF:21.8/23

Right Out: -0.004+/-0.015 χ^2/NDF: 33.6/29

Left In: -0.005+/-0.011 χ^2/NDF:41.4/22

Left: -0.001+/-0.007 χ^2/NDF: 63.6/46

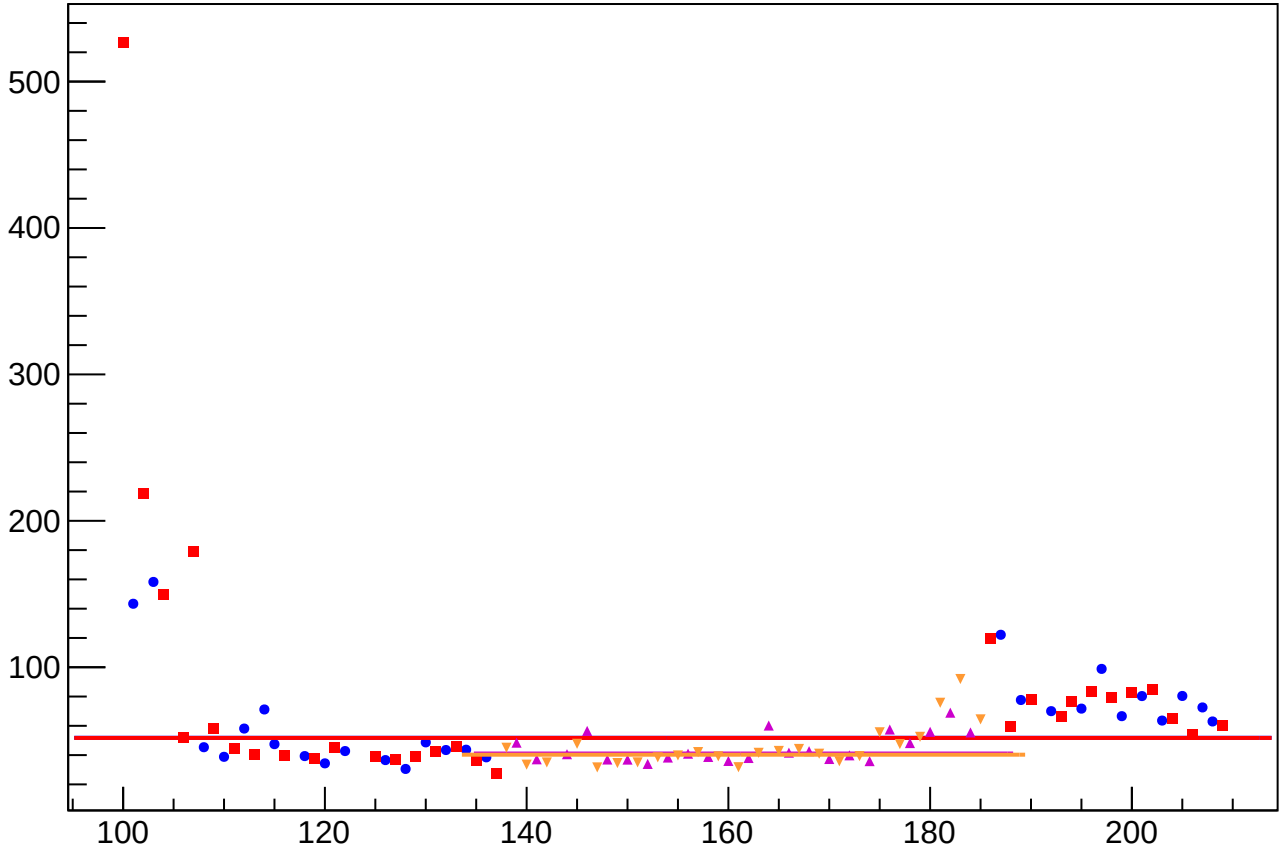
Right: -0.003+/-0.011 χ^2/NDF: 53.9/56

In: -0.004+/-0.009 χ^2/NDF:61.7/49

Out: 0.001+/-0.008 χ^2/NDF:55.6/53

All: -0.002+/-0.006 χ^2/NDF: 117.5/103

asym_us_dd_at1lr_dd_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 51.830+/-0.011 χ^2/NDF: 3486460.6/26

Left Out: 40.277+/-0.007 χ^2/NDF:1489049.7/23

Right Out: 51.726+/-0.010 χ^2/NDF: 3556296.7/29

Left In: 41.082+/-0.007 χ^2/NDF:926883.3/22

Left: 40.672+/-0.005 χ^2/NDF: 2421851.2/46

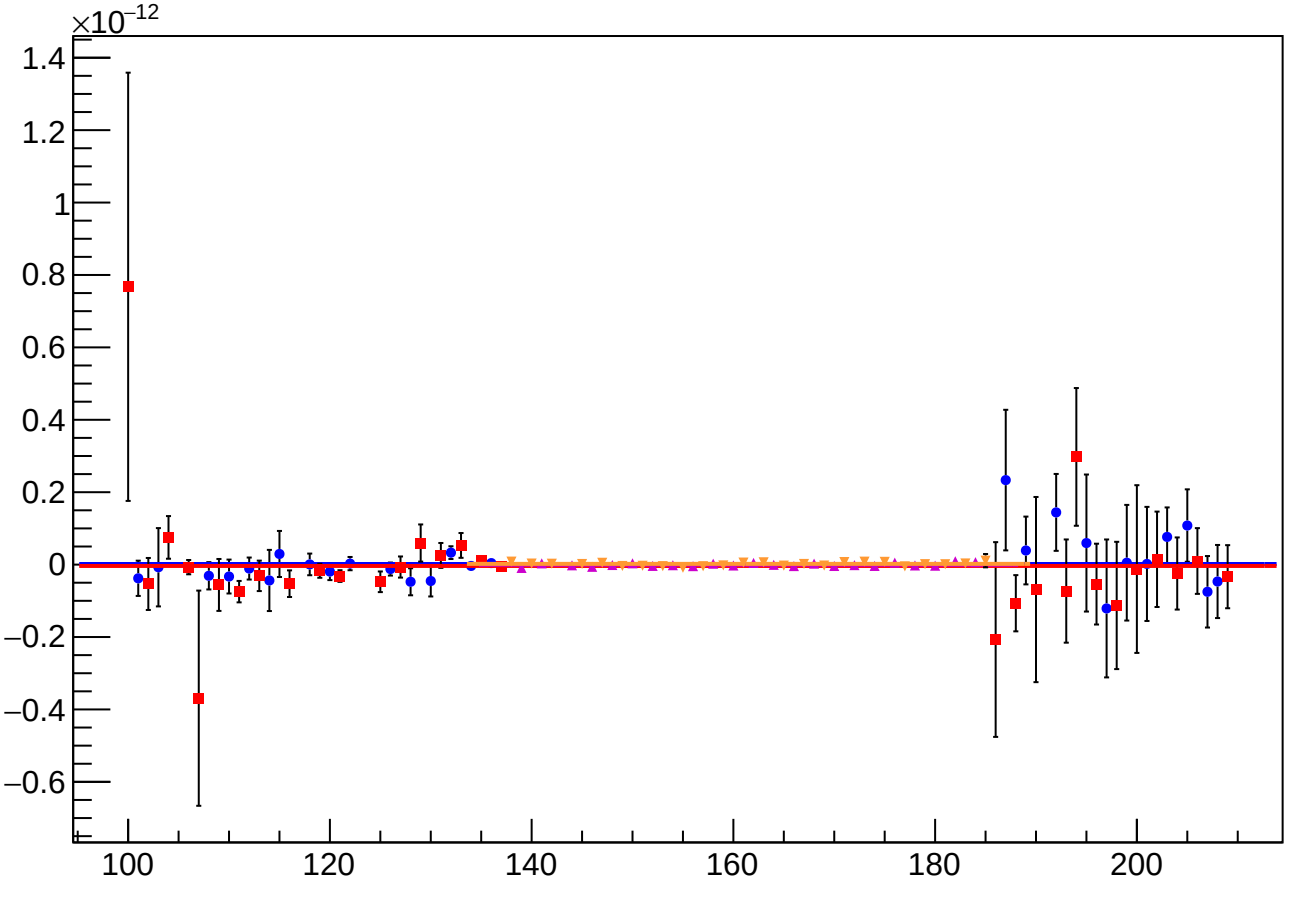
Right: 51.777+/-0.007 χ^2/NDF: 7042805.1/56

In: 44.627+/-0.006 χ^2/NDF:5096324.8/49

Out: 44.043+/-0.006 χ^2/NDF:5847278.5/53

All: 44.330+/-0.004 χ^2/NDF: 10948245.5/103

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: 17.3/26

Left Out: 0.000+/-0.000 χ^2/NDF:25.2/23

Right Out: -0.000+/-0.000 χ^2/NDF: 34.8/29

Left In: -0.000+/-0.000 χ^2/NDF:23.1/22

Left: 0.000+/-0.000 χ^2/NDF: 52.2/46

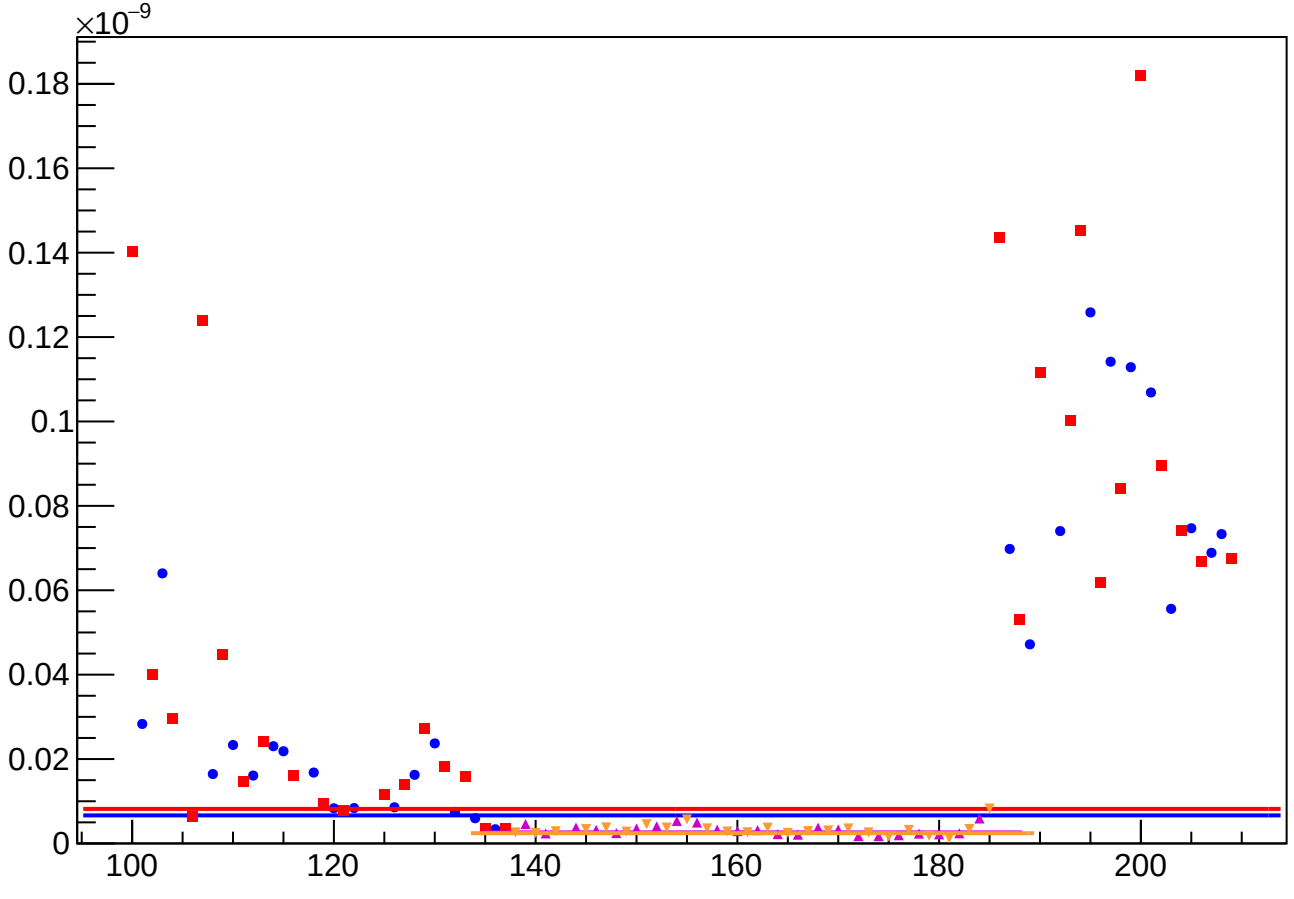
Right: -0.000+/-0.000 χ^2/NDF: 52.8/56

In: -0.000+/-0.000 χ^2/NDF:40.6/49

Out: 0.000+/-0.000 χ^2/NDF:61.4/53

All: 0.000+/-0.000 χ^2/NDF: 105.2/103

asym_us_dd_at1lr_dd_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 11216640.5/26

Left Out: 0.000+/-0.000 χ^2/NDF:2792453.3/23

Right Out: 0.000+/-0.000 χ^2/NDF: 12674893.2/29

Left In: 0.000+/-0.000 χ^2/NDF:1949059.2/22

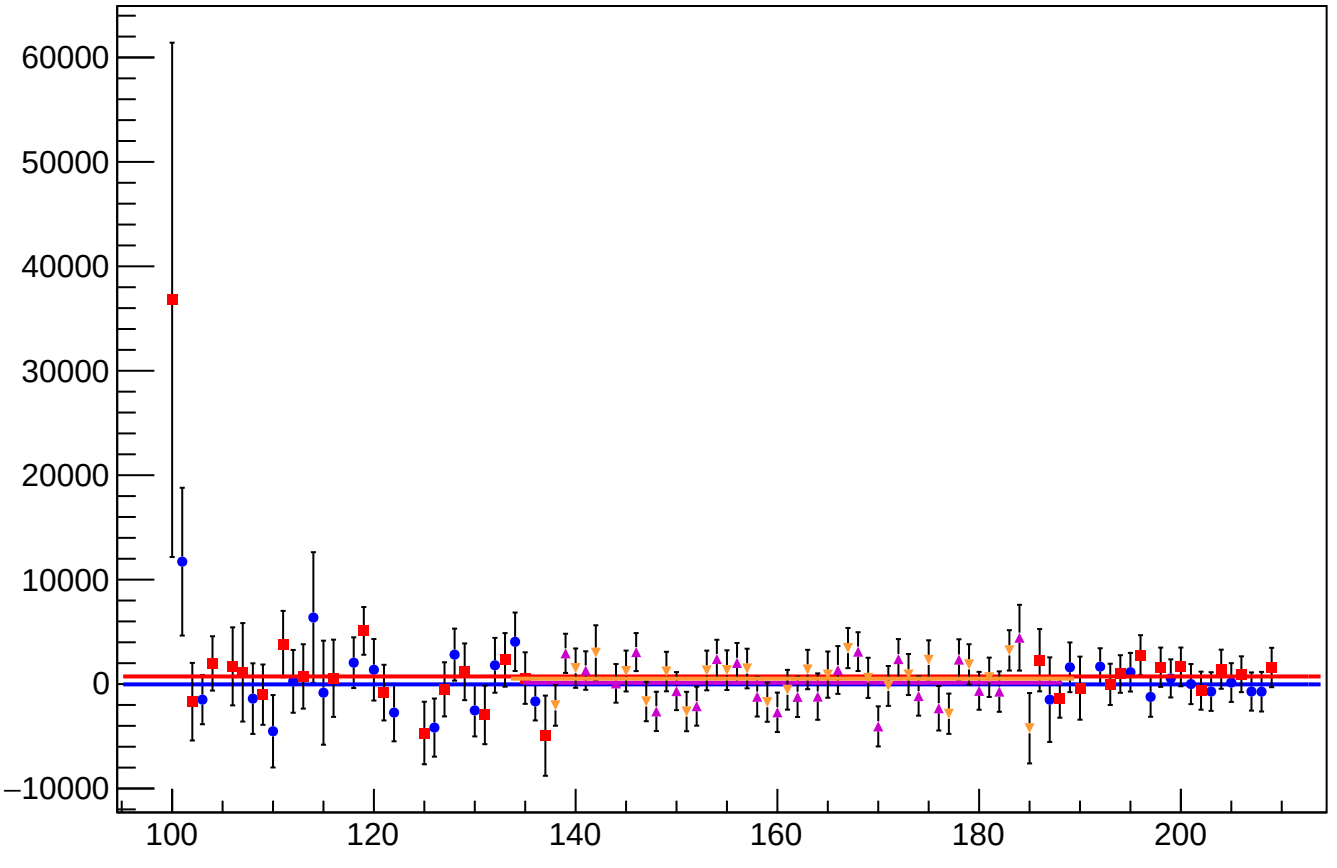
Left: 0.000+/-0.000 χ^2/NDF: 4793027.5/46

Right: 0.000+/-0.000 χ^2/NDF: 24019553.9/56

In: 0.000+/-0.000 χ^2/NDF:15204966.3/49

Out: 0.000+/-0.000 χ^2/NDF:18387904.2/53

All: 0.000+/-0.000 χ^2/NDF: 33657697.8/103



Right In: -28.960+/-454.260 χ^2/NDF: 18.7/26

Left Out: 519.929+/-401.705 χ^2/NDF:20.8/23

Right Out: 729.295+/-442.741 χ^2/NDF: 20.3/29

Left In: 126.031+/-404.630 χ^2/NDF:29.5/22

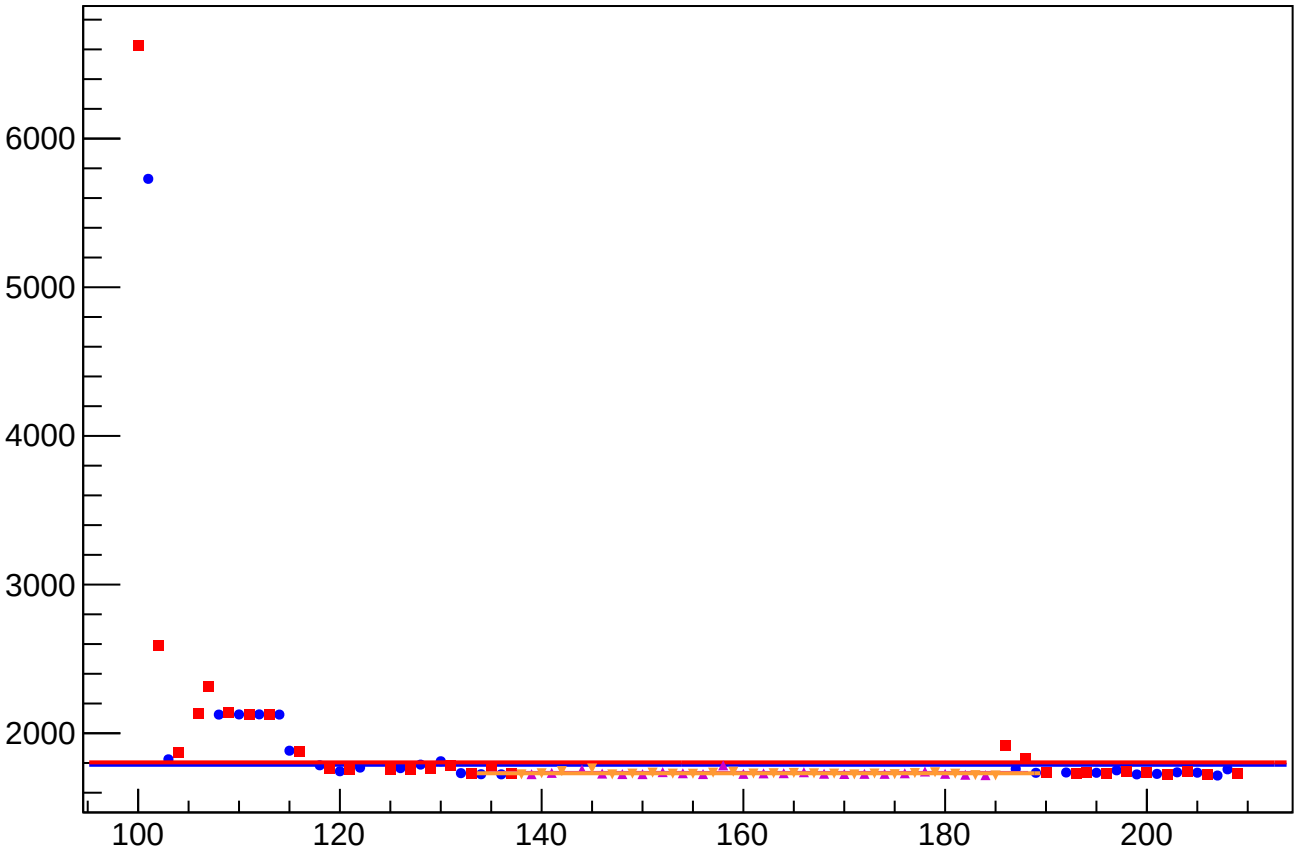
Left: 324.409+/-285.077 χ^2/NDF: 50.7/46

Right: 359.903+/-317.059 χ^2/NDF: 40.5/56

In: 57.461+/-302.146 χ^2/NDF:48.3/49

Out: 614.462+/-297.501 χ^2/NDF:41.2/53

All: 340.276+/-211.988 χ^2/NDF: 91.2/103



Right In: 1787.930+/-0.321 χ^2/NDF: 714104.1/26

Left Out: 1730.847+/-0.284 χ^2/NDF:969.7/23

Right Out: 1804.091+/-0.313 χ^2/NDF: 314465.0/29

Left In: 1733.007+/-0.286 χ^2/NDF:2237.4/22

Left: 1731.919+/-0.202 χ^2/NDF: 3235.8/46

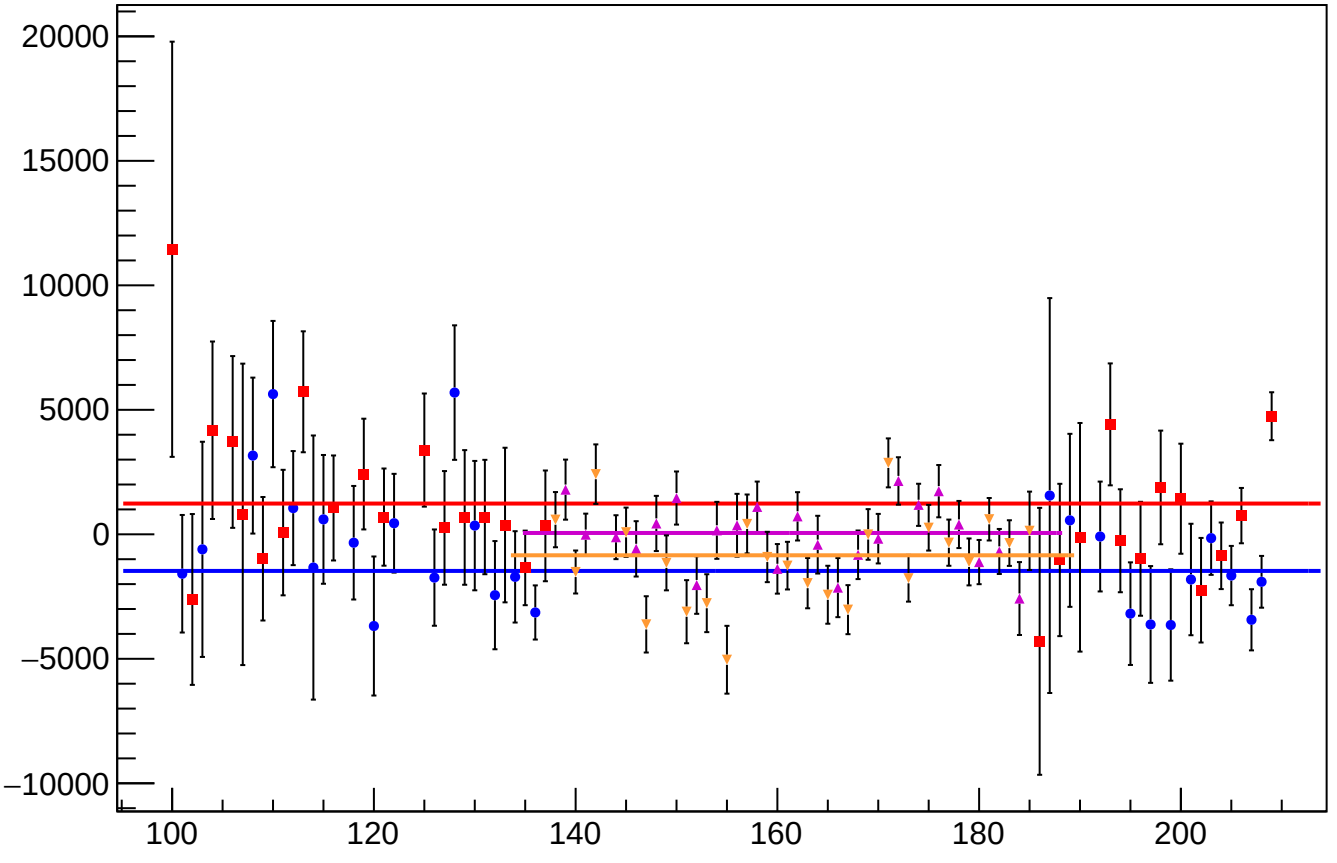
Right: 1796.218+/-0.224 χ^2/NDF: 1029867.2/56

In: 1757.306+/-0.214 χ^2/NDF:732643.9/49

Out: 1763.918+/-0.210 χ^2/NDF:345456.3/53

All: 1760.663+/-0.150 χ^2/NDF: 1078586.5/10

asym_us_dd_at1lr_dd_dd_reg_correction_mean vs Slug, Sign Corrected



Right In: -1470.600+/-373.179 χ^2/NDF: 28.8/26

Left Out: -842.437+/-210.852 χ^2/NDF:62.7/23

Right Out: 1235.270+/-383.914 χ^2/NDF: 36.8/29

Left In: 53.905+/-212.966 χ^2/NDF:30.6/22

Left: -398.736+/-149.837 χ^2/NDF: 102.3/46

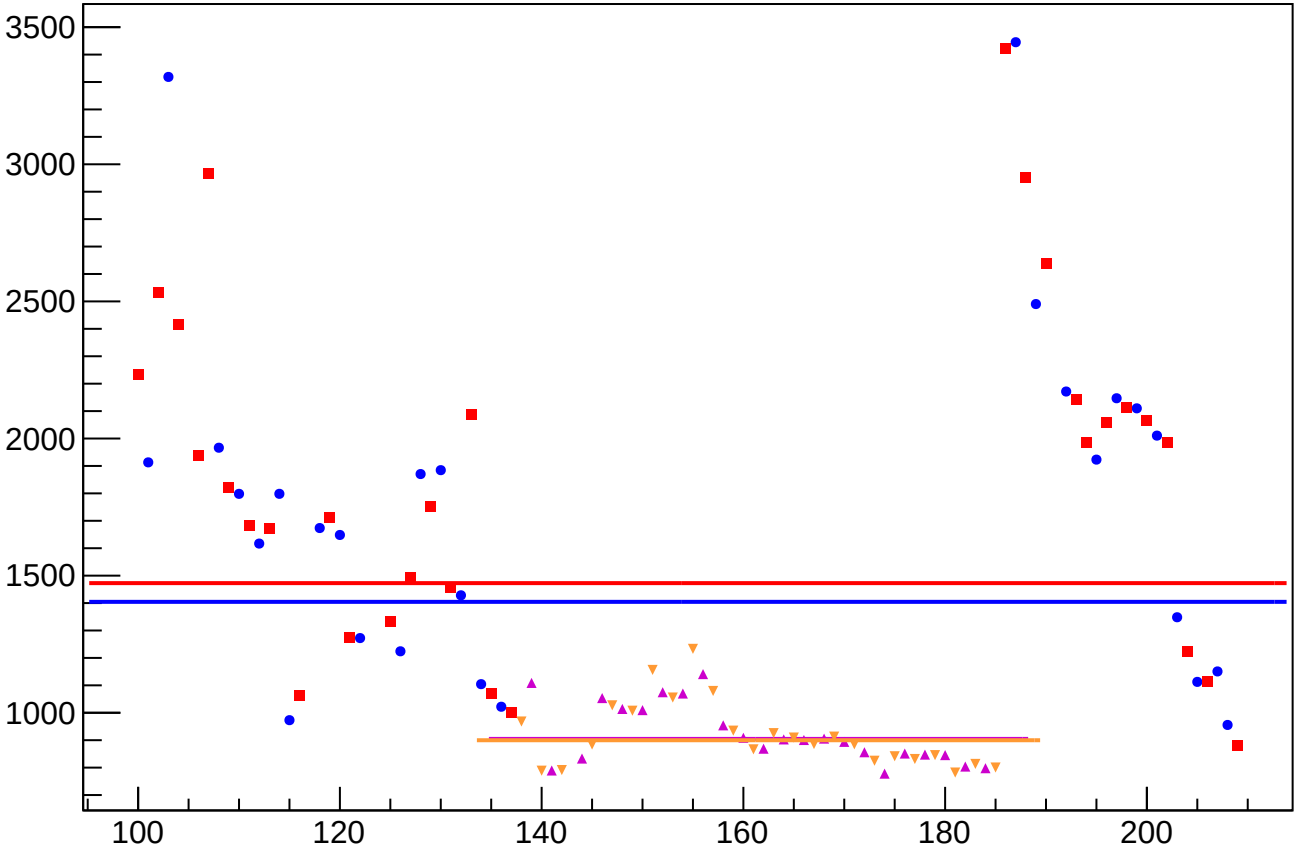
Right: -156.023+/-267.592 χ^2/NDF: 91.1/56

In: -320.617+/-184.966 χ^2/NDF:72.0/49

Out: -360.953+/-184.813 χ^2/NDF:122.0/53

All: -340.801+/-130.737 χ^2/NDF: 194.0/103

asym_us_dd_at1lr_dd_dd_reg_correction_rms vs Slug, Sign Corrected



Right In: 1404.450+/-0.264 χ^2/NDF: 2991041.1/26

Left Out: 899.811+/-0.149 χ^2/NDF:495328.4/23

Right Out: 1472.735+/-0.271 χ^2/NDF: 3749512.3/29

Left In: 904.656+/-0.151 χ^2/NDF:452251.7/22

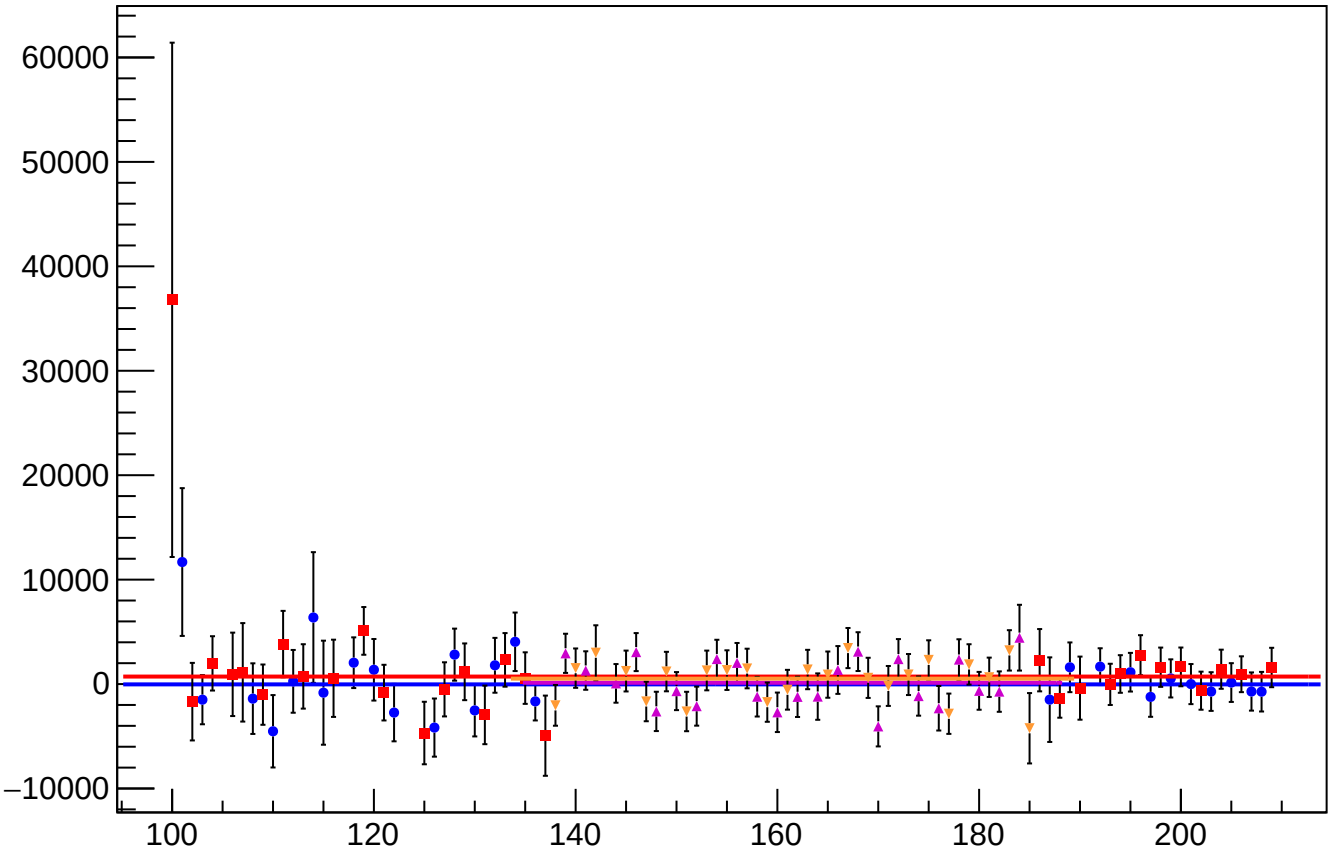
Left: 902.210+/-0.106 χ^2/NDF: 948102.8/46

Right: 1437.625+/-0.189 χ^2/NDF: 6773086.9/56

In: 1027.439+/-0.131 χ^2/NDF:6149364.1/49

Out: 1032.580+/-0.131 χ^2/NDF:7666724.4/53

All: 1030.012+/-0.092 χ^2/NDF: 13816861.5/1



Right In: -29.294+/-454.260 χ^2/NDF: 18.7/26

Left Out: 519.957+/-401.705 χ^2/NDF:20.8/23

Right Out: 718.346+/-443.131 χ^2/NDF: 20.3/29

Left In: 126.091+/-404.630 χ^2/NDF:29.5/22

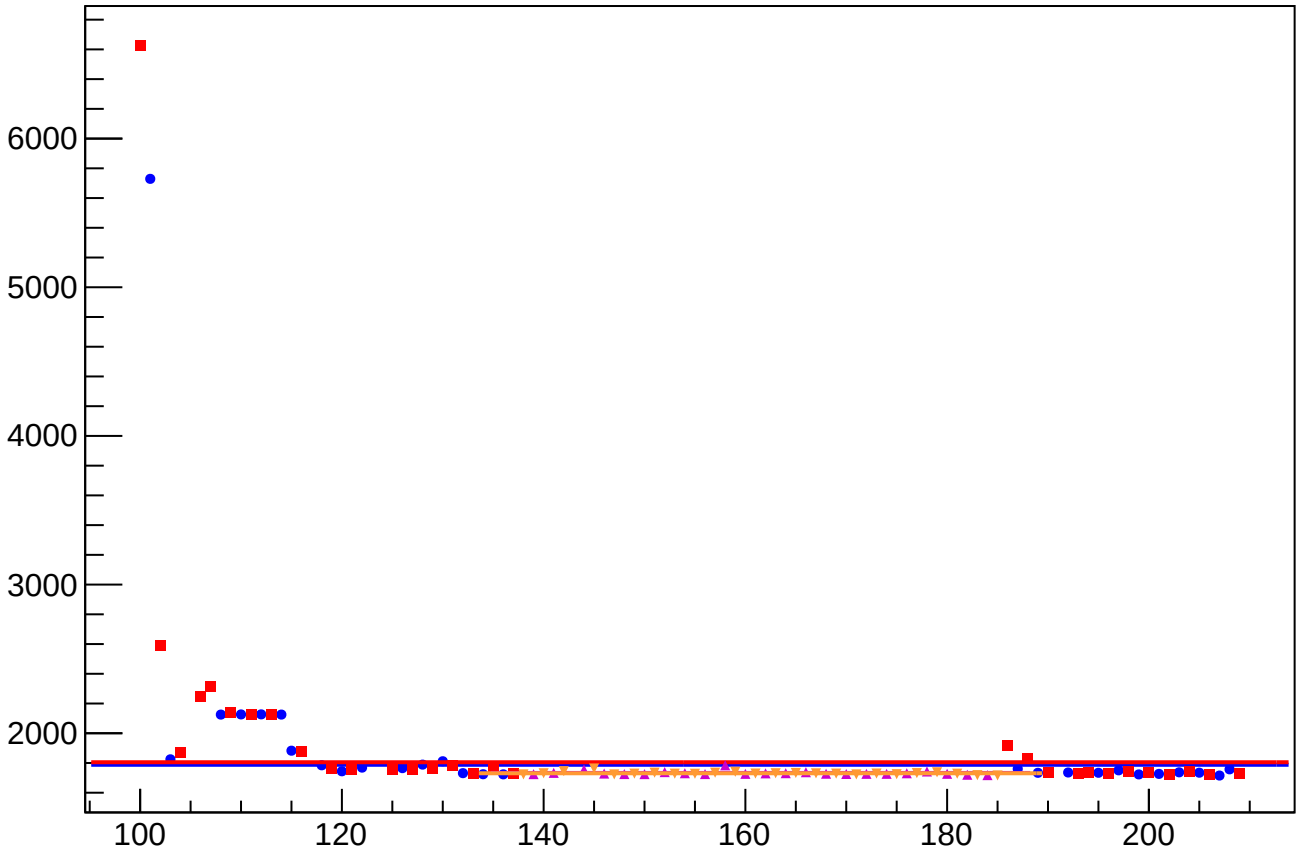
Left: 324.453+/-285.077 χ^2/NDF: 50.7/46

Right: 353.796+/-317.202 χ^2/NDF: 40.4/56

In: 57.348+/-302.146 χ^2/NDF:48.3/49

Out: 609.447+/-297.619 χ^2/NDF:41.1/53

All: 337.564+/-212.031 χ^2/NDF: 91.1/103



Right In: 1787.930+/-0.321 χ^2/NDF: 714104.0/26

Left Out: 1730.847+/-0.284 χ^2/NDF:969.7/23

Right Out: 1804.948+/-0.313 χ^2/NDF: 323835.4/29

Left In: 1733.007+/-0.286 χ^2/NDF:2237.4/22

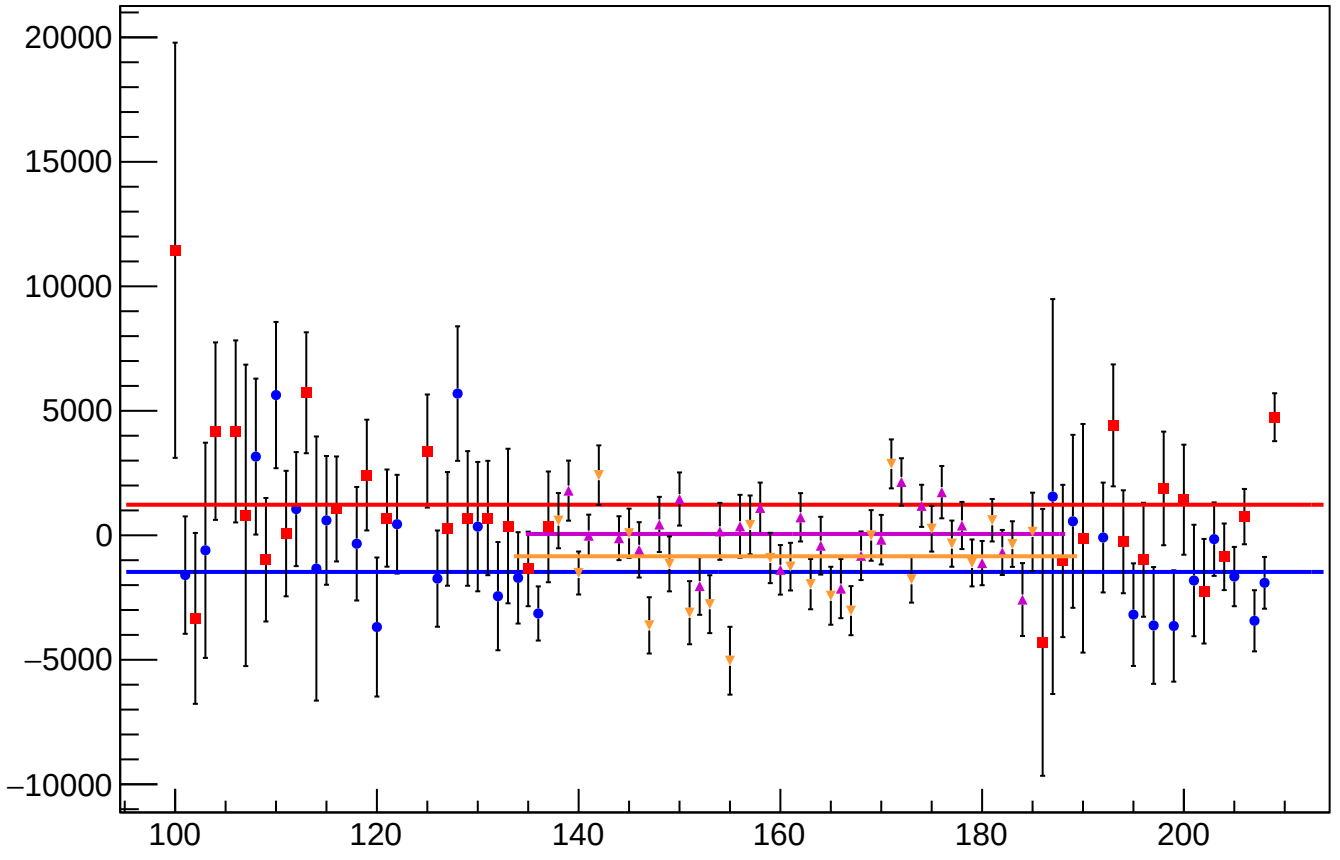
Left: 1731.919+/-0.202 χ^2/NDF: 3235.8/46

Right: 1796.650+/-0.224 χ^2/NDF: 1039377.6/56

In: 1757.306+/-0.214 χ^2/NDF:732643.7/49

Out: 1764.273+/-0.210 χ^2/NDF:355503.9/53

All: 1760.842+/-0.150 χ^2/NDF: 1088687.4/10



Right In: -1470.942+/-373.166 χ^2/NDF: 28.8/26

Left Out: -842.473+/-210.853 χ^2/NDF:62.7/23

Right Out: 1228.117+/-384.173 χ^2/NDF: 37.4/29

Left In: 53.927+/-212.965 χ^2/NDF:30.6/22

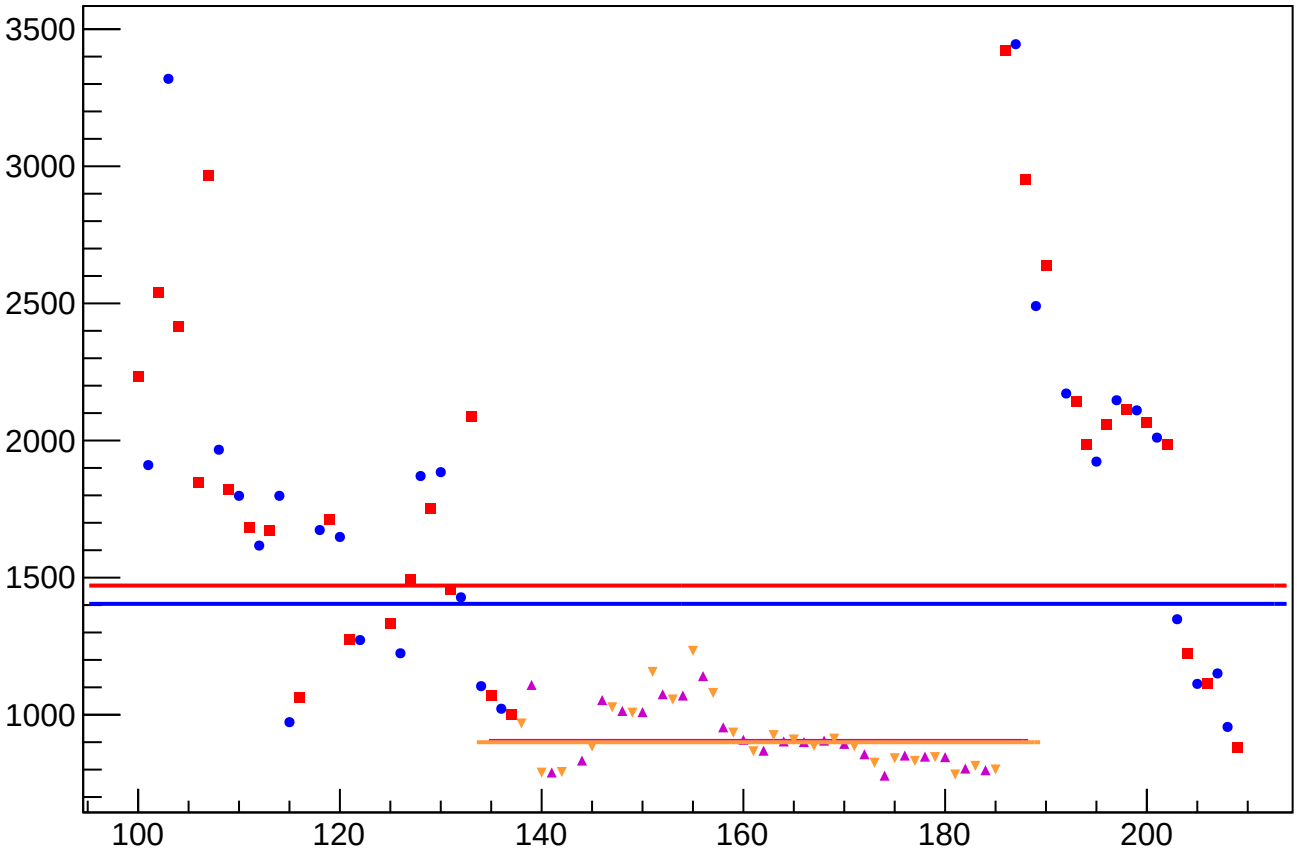
Left: -398.741+/-149.837 χ^2/NDF: 102.3/46

Right: -160.632+/-267.675 χ^2/NDF: 91.6/56

In: -320.702+/-184.964 χ^2/NDF:72.0/49

Out: -363.134+/-184.842 χ^2/NDF:122.4/53

All: -341.932+/-130.746 χ^2/NDF: 194.5/103



Right In: 1404.415+/-0.264 χ^2/NDF: 2990415.6/26

Left Out: 899.814+/-0.149 χ^2/NDF:495276.2/23

Right Out: 1471.114+/-0.272 χ^2/NDF: 3735778.0/29

Left In: 904.653+/-0.151 χ^2/NDF:452259.2/22

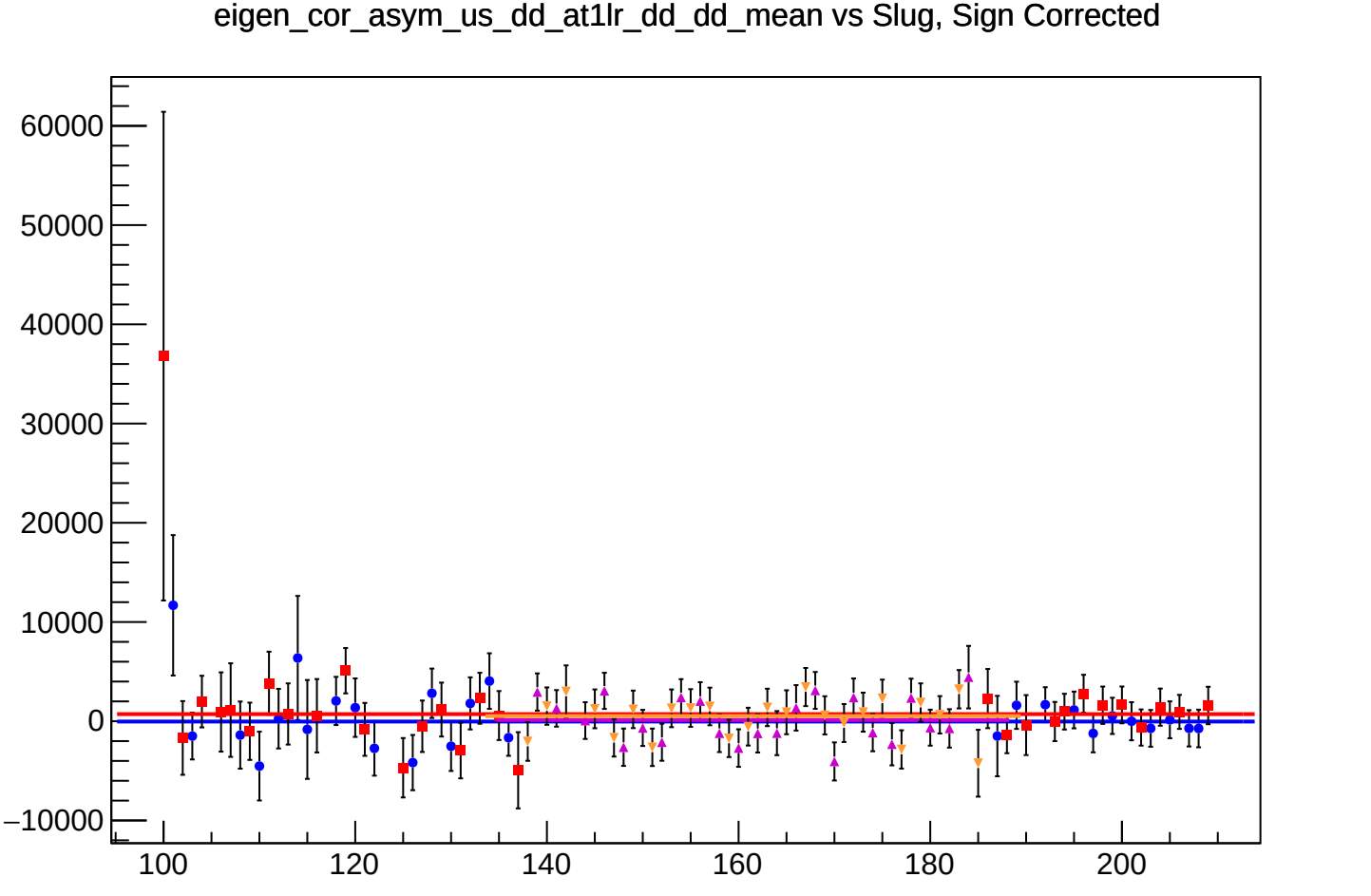
Left: 902.209+/-0.106 χ^2/NDF: 948056.7/46

Right: 1436.795+/-0.189 χ^2/NDF: 6757212.3/56

In: 1027.434+/-0.131 χ^2/NDF:6148550.0/49

Out: 1032.069+/-0.131 χ^2/NDF:7630026.1/53

All: 1029.753+/-0.092 χ^2/NDF: 13779204.5/1



Right In: -29.294+/-454.260 χ^2/NDF: 18.7/26

Left Out: 519.957+/-401.705 χ^2/NDF:20.8/23

Right Out: 718.346+/-443.131 χ^2/NDF: 20.3/29

Left In: 126.091+/-404.630 χ^2/NDF:29.5/22

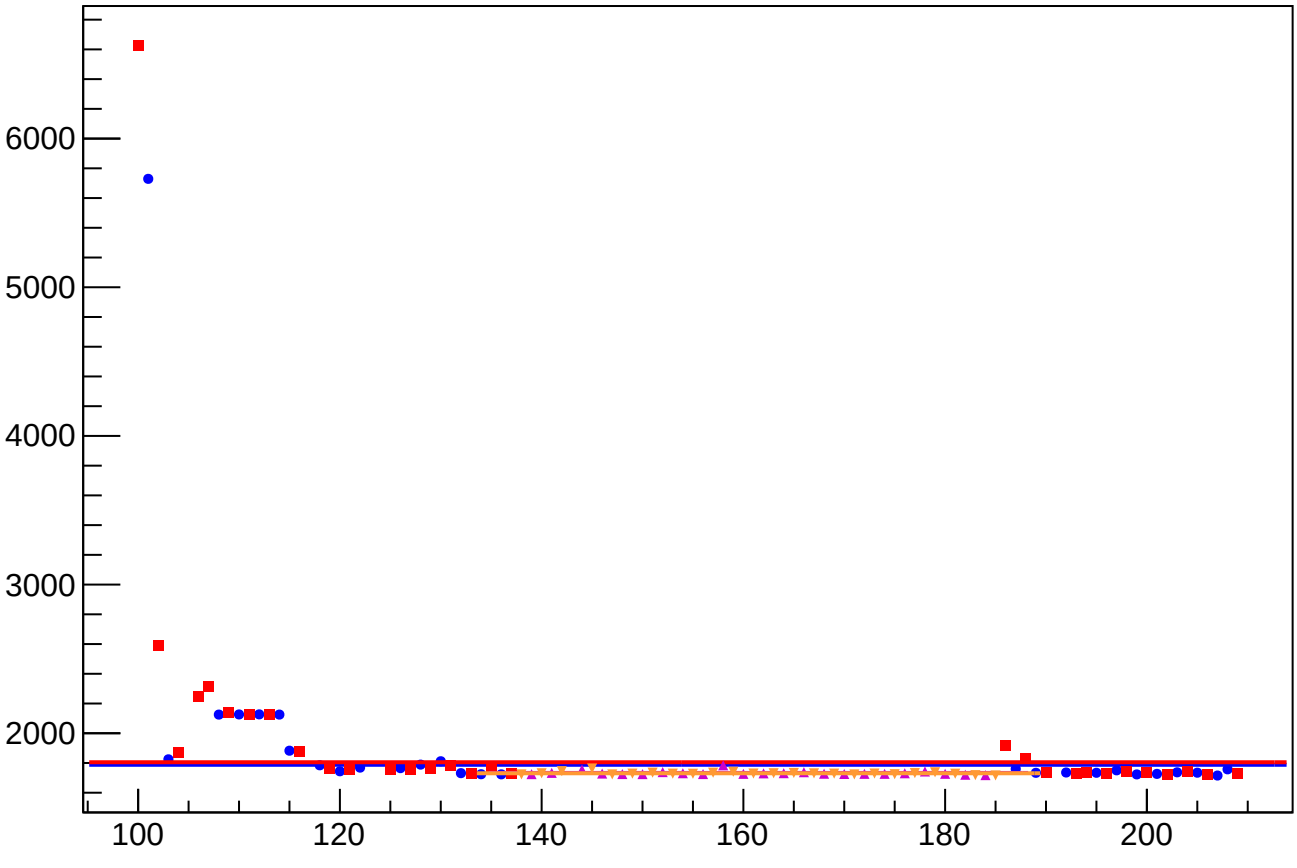
Left: 324.453+/-285.077 χ^2/NDF: 50.7/46

Right: 353.796+/-317.202 χ^2/NDF: 40.4/56

In: 57.348+/-302.146 χ^2/NDF:48.3/49

Out: 609.447+/-297.619 χ^2/NDF:41.1/53

All: 337.564+/-212.031 χ^2/NDF: 91.1/103



Right In: 1787.930+/-0.321 χ^2/NDF: 714104.0/26

Left Out: 1730.847+/-0.284 χ^2/NDF:969.7/23

Right Out: 1804.948+/-0.313 χ^2/NDF: 323835.4/29

Left In: 1733.007+/-0.286 χ^2/NDF:2237.4/22

Left: 1731.919+/-0.202 χ^2/NDF: 3235.8/46

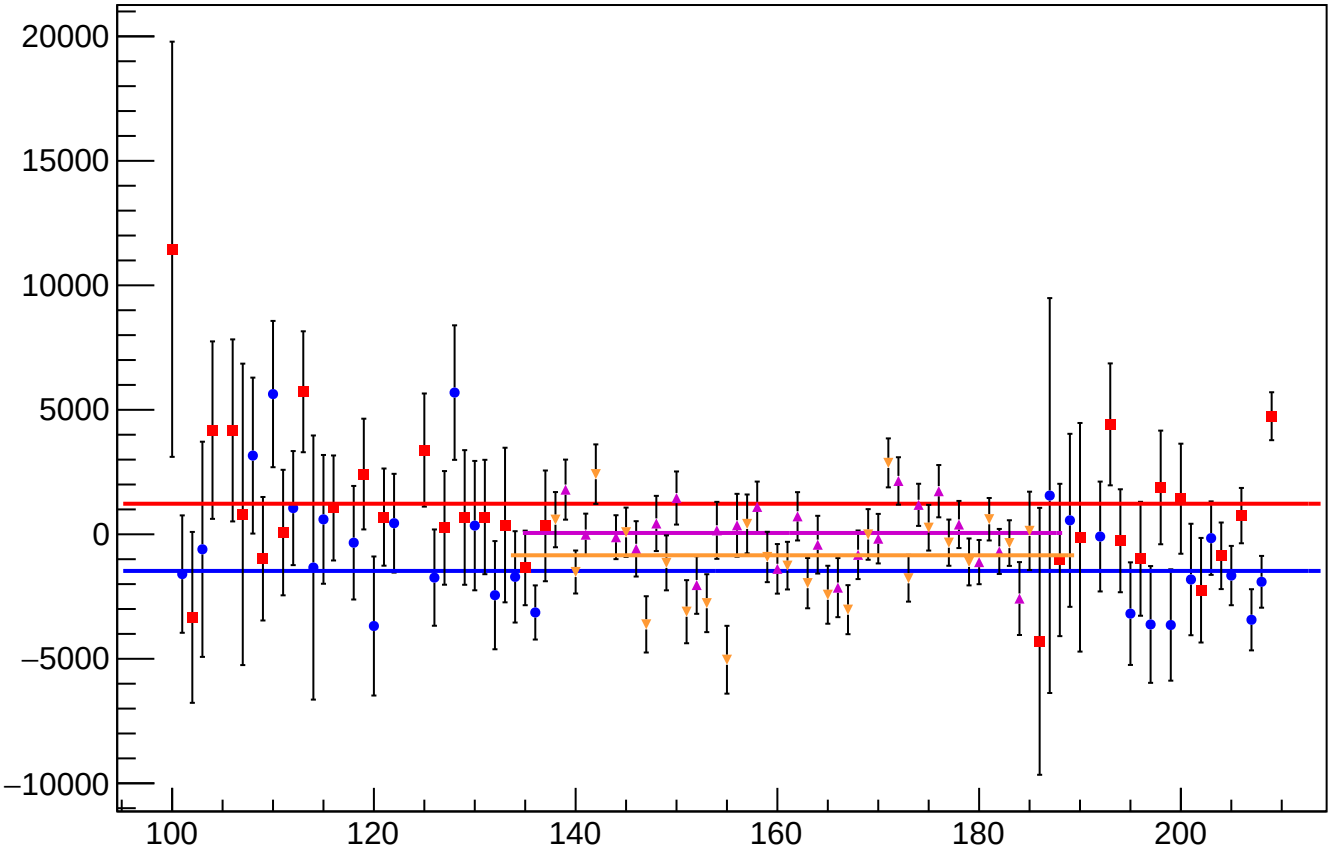
Right: 1796.650+/-0.224 χ^2/NDF: 1039377.6/56

In: 1757.306+/-0.214 χ^2/NDF:732643.7/49

Out: 1764.273+/-0.210 χ^2/NDF:355503.9/53

All: 1760.842+/-0.150 χ^2/NDF: 1088687.4/10

asym_us_dd_at1lr_dd_dd_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -1470.942+/-373.166 χ^2/NDF: 28.8/26

Left Out: -842.473+/-210.853 χ^2/NDF:62.7/23

Right Out: 1228.117+/-384.173 χ^2/NDF: 37.4/29

Left In: 53.927+/-212.965 χ^2/NDF:30.6/22

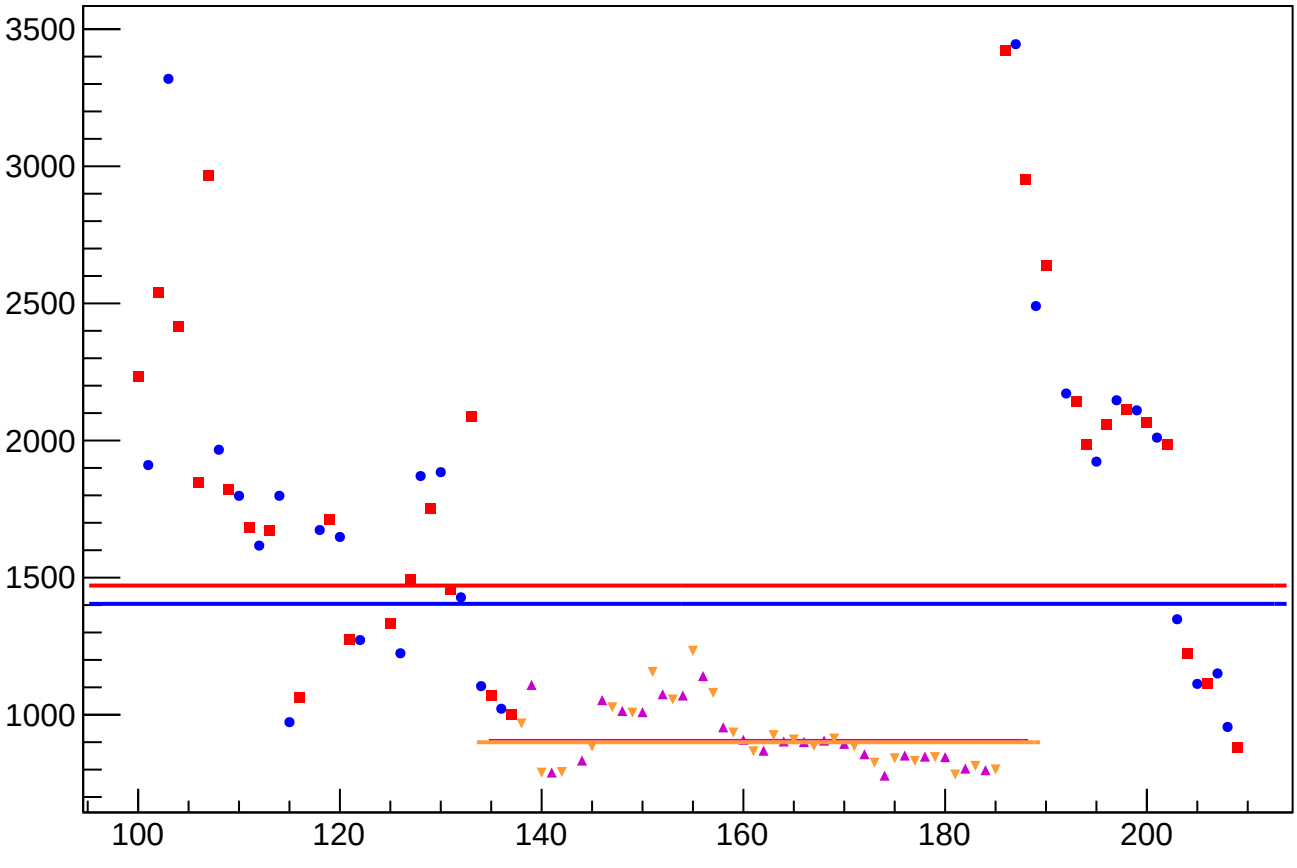
Left: -398.741+/-149.837 χ^2/NDF: 102.3/46

Right: -160.632+/-267.675 χ^2/NDF: 91.6/56

In: -320.702+/-184.964 χ^2/NDF:72.0/49

Out: -363.134+/-184.842 χ^2/NDF:122.4/53

All: -341.932+/-130.746 χ^2/NDF: 194.5/103



Right In: 1404.415+/-0.264 χ^2/NDF: 2990415.6/26

Left Out: 899.814+/-0.149 χ^2/NDF:495276.2/23

Right Out: 1471.114+/-0.272 χ^2/NDF: 3735778.0/29

Left In: 904.653+/-0.151 χ^2/NDF:452259.2/22

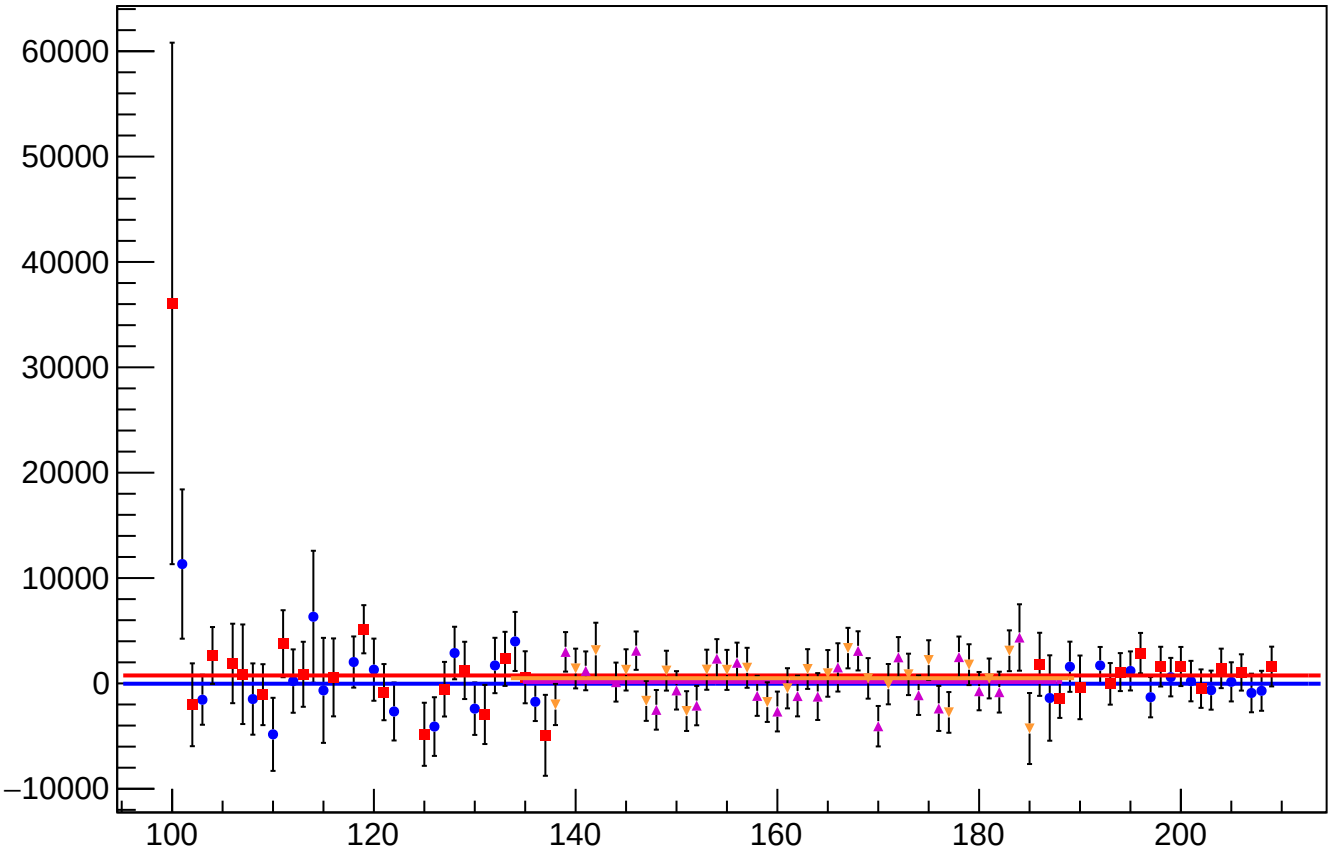
Left: 902.209+/-0.106 χ^2/NDF: 948056.7/46

Right: 1436.795+/-0.189 χ^2/NDF: 6757212.3/56

In: 1027.434+/-0.131 χ^2/NDF:6148550.0/49

Out: 1032.069+/-0.131 χ^2/NDF:7630026.1/53

All: 1029.753+/-0.092 χ^2/NDF: 13779204.5/1



Right In: -29.130+/-454.754 χ^2/NDF: 18.8/26

Left Out: 494.897+/-402.069 χ^2/NDF:20.1/23

Right Out: 755.217+/-444.084 χ^2/NDF: 20.8/29

Left In: 137.162+/-404.995 χ^2/NDF:29.6/22

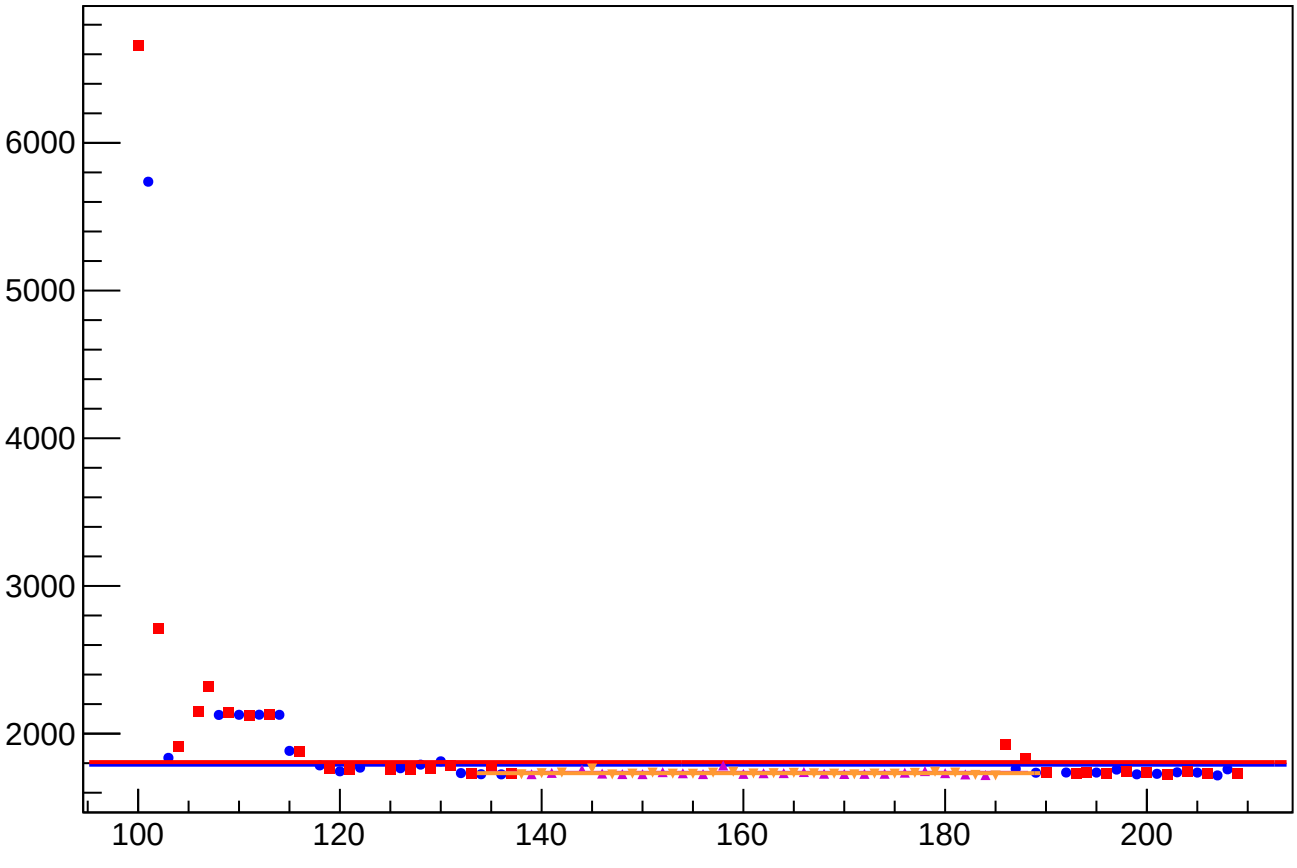
Left: 317.326+/-285.335 χ^2/NDF: 50.0/46

Right: 372.353+/-317.720 χ^2/NDF: 41.1/56

In: 63.608+/-302.443 χ^2/NDF:48.4/49

Out: 612.163+/-298.056 χ^2/NDF:41.0/53

All: 341.893+/-212.291 χ^2/NDF: 91.1/103



Right In: 1789.742+/-0.322 χ^2/NDF: 714455.5/26

Left Out: 1732.389+/-0.284 χ^2/NDF:910.8/23

Right Out: 1807.306+/-0.314 χ^2/NDF: 334485.2/29

Left In: 1734.568+/-0.286 χ^2/NDF:2215.7/22

Left: 1733.471+/-0.202 χ^2/NDF: 3155.7/46

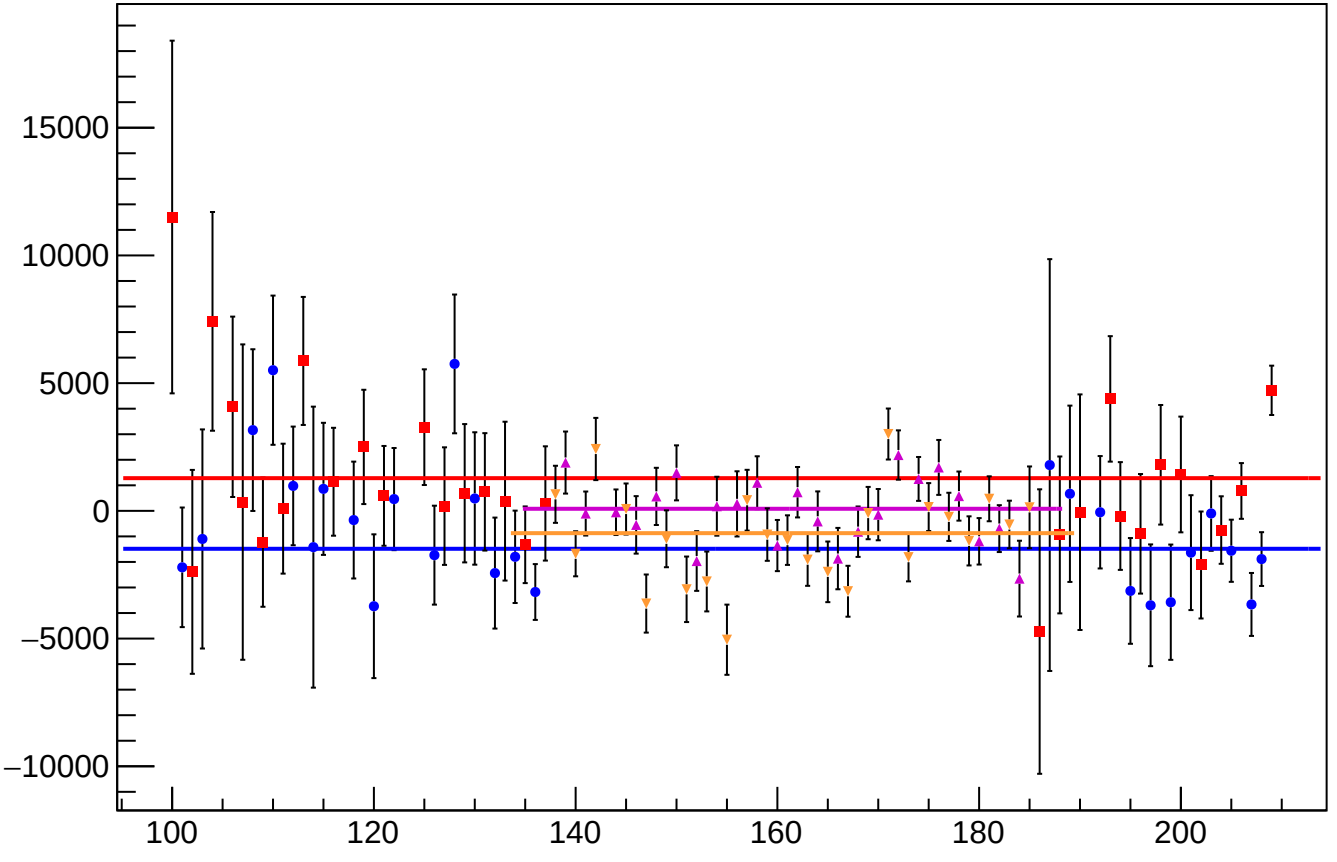
Right: 1798.732+/-0.225 χ^2/NDF: 1050467.8/56

In: 1758.972+/-0.214 χ^2/NDF:733089.6/49

Out: 1766.136+/-0.211 χ^2/NDF:366674.9/53

All: 1762.607+/-0.150 χ^2/NDF: 1100333.8/10

asym_us_dd_at1lr_dd_dd_dit_correction_mean vs Slug, Sign Corrected



Right In: -1484.685+/-375.037 χ^2/NDF: 29.6/26

Left Out: -872.827+/-214.008 χ^2/NDF:62.0/23

Right Out: 1280.296+/-386.183 χ^2/NDF: 37.8/29

Left In: 81.519+/-215.913 χ^2/NDF:30.0/22

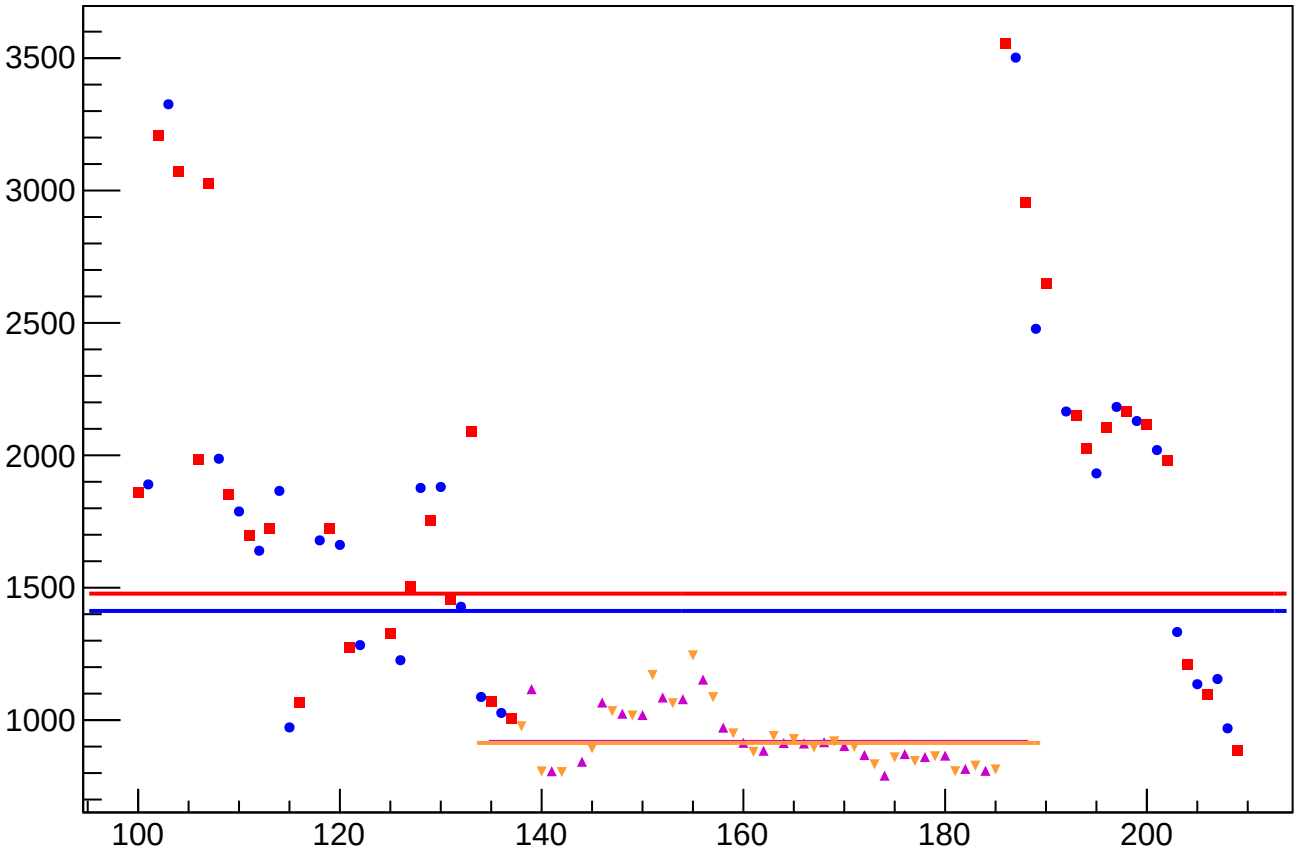
Left: -399.884+/-151.996 χ^2/NDF: 101.8/46

Right: -142.671+/-269.045 χ^2/NDF: 93.8/56

In: -308.366+/-187.119 χ^2/NDF:72.6/49

Out: -366.962+/-187.187 χ^2/NDF:123.6/53

All: -337.653+/-132.337 χ^2/NDF: 196.3/103



Right In: 1412.245+/-0.265 χ^2/NDF: 2971073.1/26

Left Out: 913.899+/-0.151 χ^2/NDF:462850.2/23

Right Out: 1477.667+/-0.273 χ^2/NDF: 4199456.9/29

Left In: 917.674+/-0.153 χ^2/NDF:430498.5/22

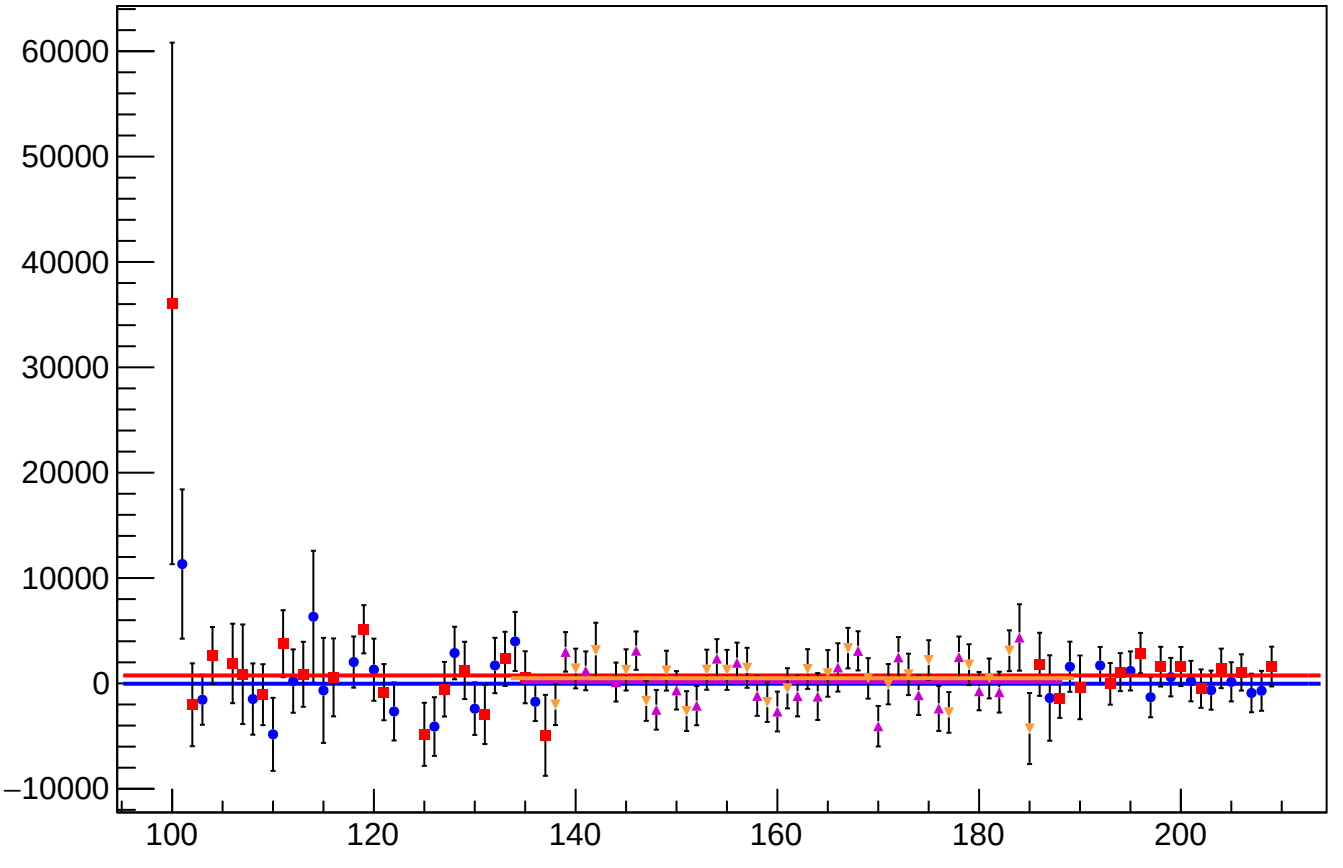
Left: 915.770+/-0.107 χ^2/NDF: 893657.1/46

Right: 1443.998+/-0.190 χ^2/NDF: 7200069.0/56

In: 1040.791+/-0.132 χ^2/NDF:6013828.2/49

Out: 1046.353+/-0.132 χ^2/NDF:7923212.7/53

All: 1043.571+/-0.094 χ^2/NDF: 13937924.2/1



Right In: -29.129+/-454.754 χ^2/NDF: 18.8/26

Left Out: 494.897+/-402.069 χ^2/NDF:20.1/23

Right Out: 755.217+/-444.084 χ^2/NDF: 20.8/29

Left In: 137.163+/-404.995 χ^2/NDF:29.6/22

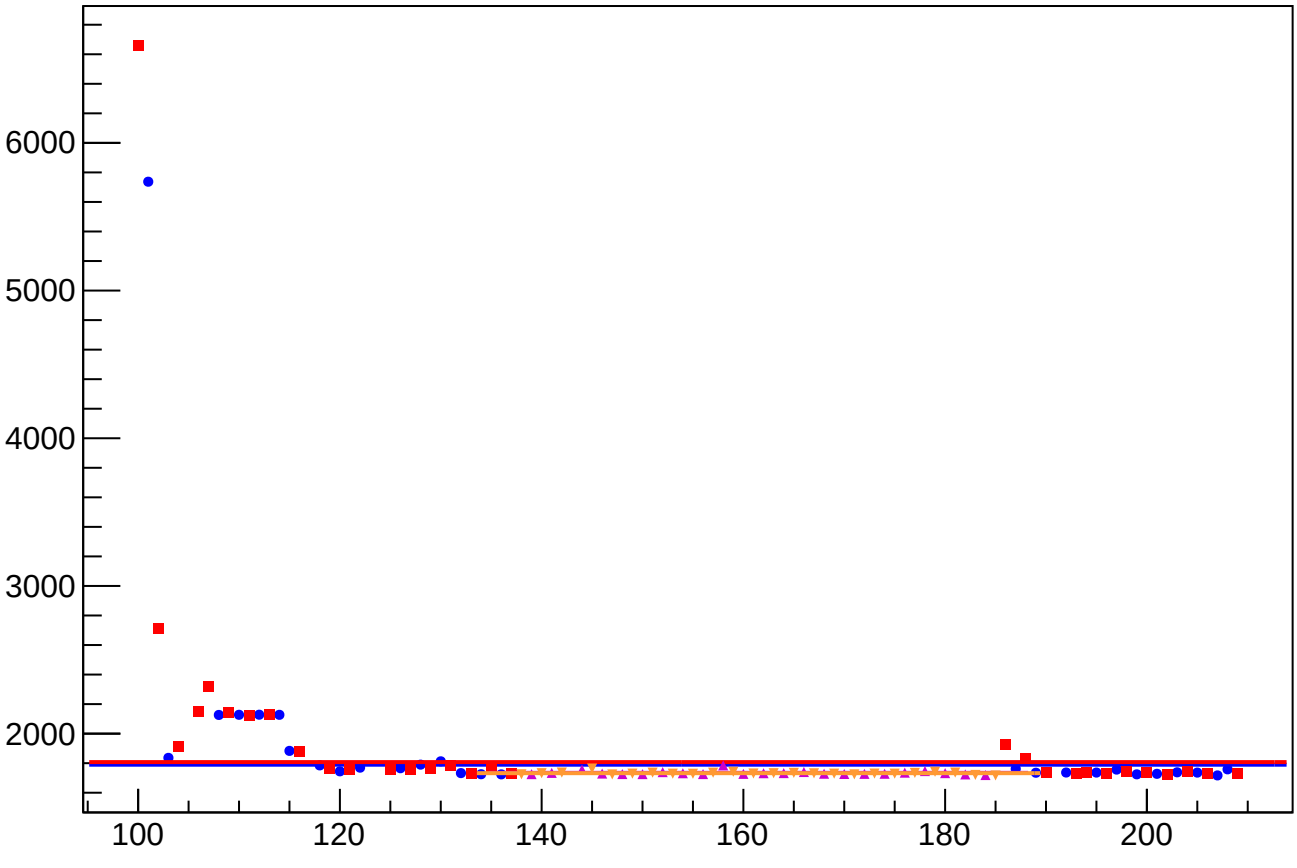
Left: 317.327+/-285.335 χ^2/NDF: 50.0/46

Right: 372.353+/-317.720 χ^2/NDF: 41.1/56

In: 63.609+/-302.443 χ^2/NDF:48.4/49

Out: 612.163+/-298.056 χ^2/NDF:41.0/53

All: 341.893+/-212.291 χ^2/NDF: 91.1/103



Right In: 1789.742+/-0.322 χ^2/NDF: 714455.4/26

Left Out: 1732.389+/-0.284 χ^2/NDF:910.8/23

Right Out: 1807.306+/-0.314 χ^2/NDF: 334485.0/29

Left In: 1734.568+/-0.286 χ^2/NDF:2215.7/22

Left: 1733.471+/-0.202 χ^2/NDF: 3155.7/46

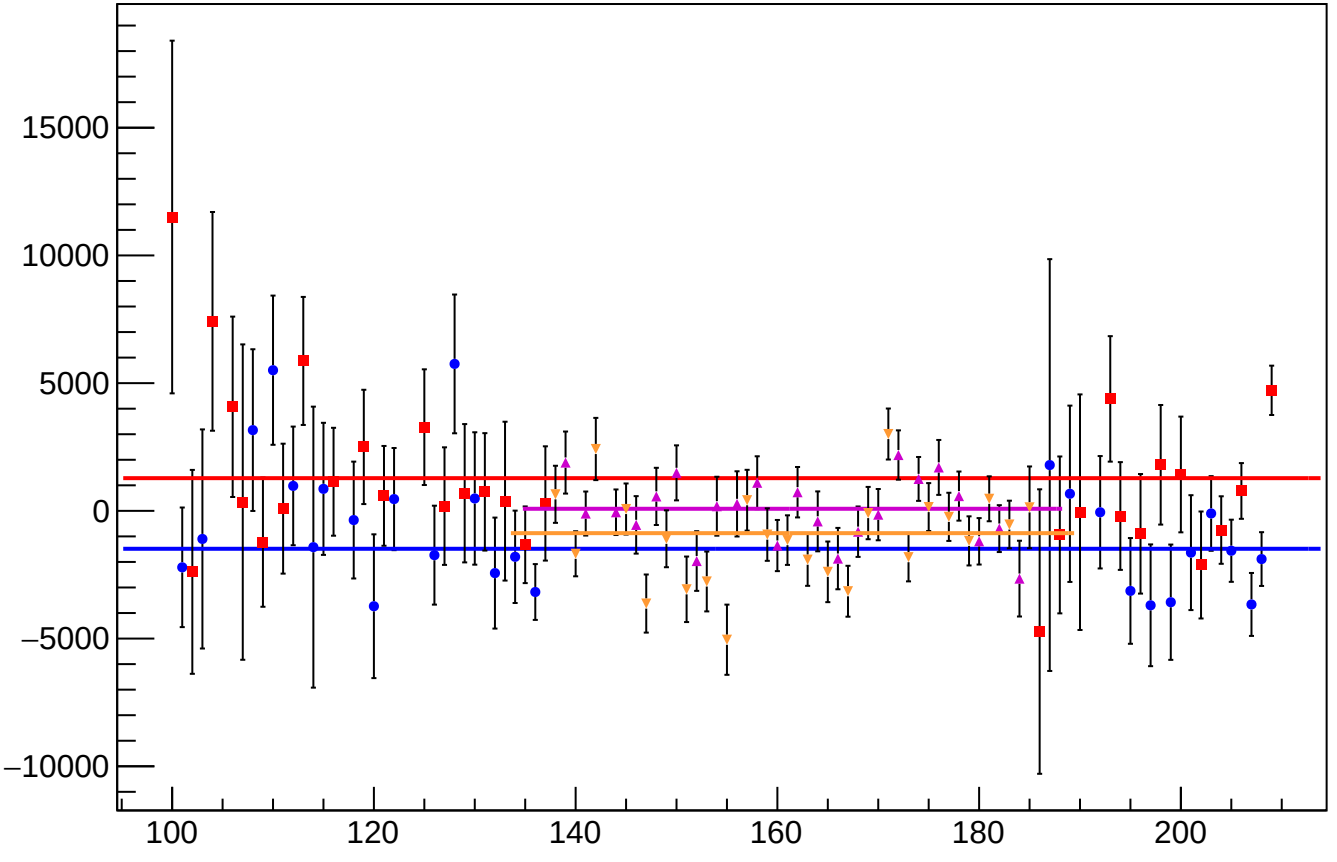
Right: 1798.732+/-0.225 χ^2/NDF: 1050467.5/56

In: 1758.972+/-0.214 χ^2/NDF:733089.5/49

Out: 1766.136+/-0.211 χ^2/NDF:366674.6/53

All: 1762.607+/-0.150 χ^2/NDF: 1100333.4/10

asym_us_dd_at1lr_dd_dd_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -1484.681+/-375.036 χ^2/NDF: 29.6/26

Left Out: -872.826+/-214.008 χ^2/NDF:62.0/23

Right Out: 1280.298+/-386.182 χ^2/NDF: 37.8/29

Left In: 81.518+/-215.913 χ^2/NDF:30.0/22

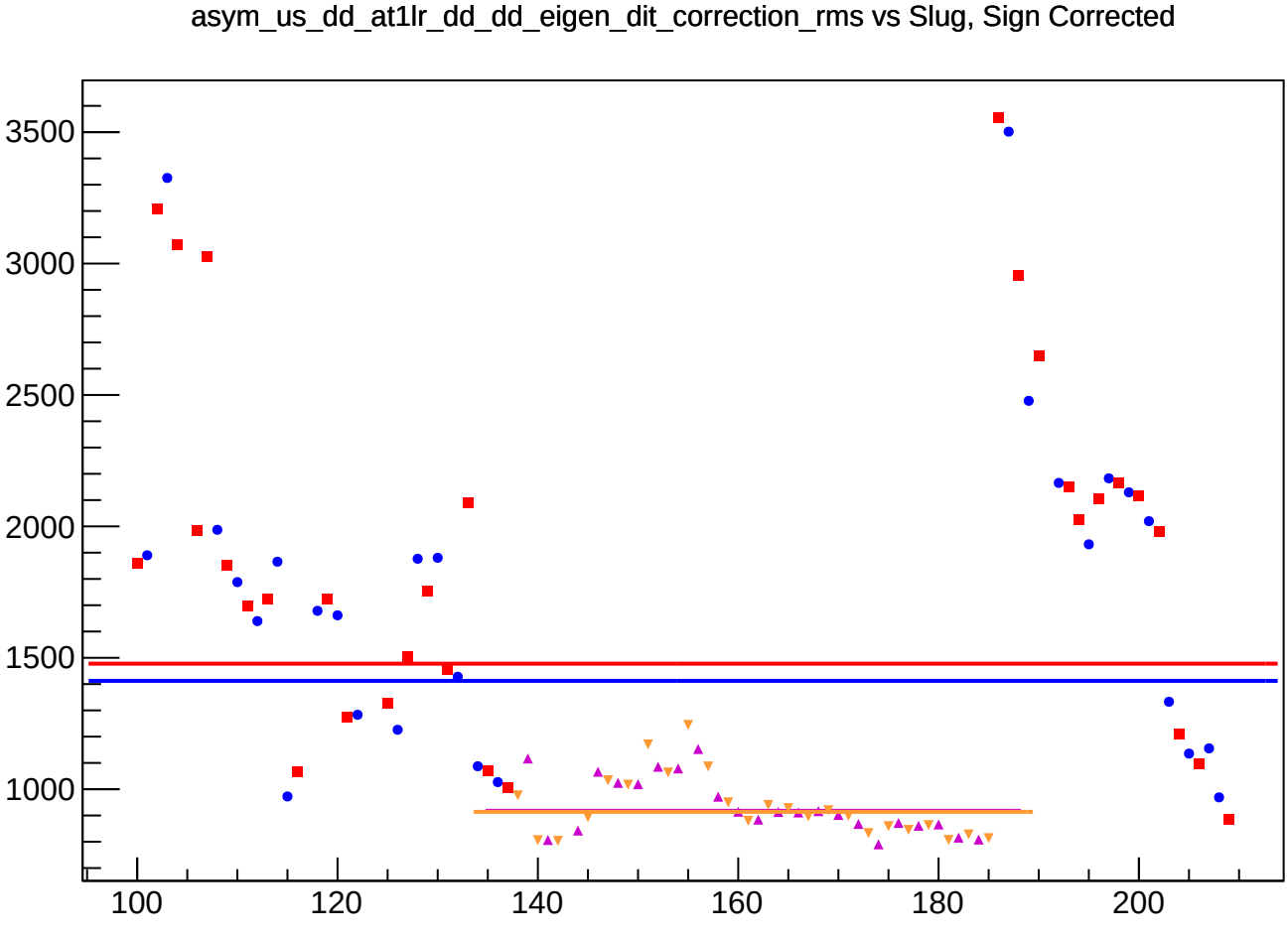
Left: -399.884+/-151.996 χ^2/NDF: 101.8/46

Right: -142.668+/-269.045 χ^2/NDF: 93.8/56

In: -308.366+/-187.119 χ^2/NDF:72.6/49

Out: -366.960+/-187.187 χ^2/NDF:123.6/53

All: -337.652+/-132.337 χ^2/NDF: 196.3/103



Right In: 1412.243+/-0.265 χ^2/NDF: 2971075.9/26

Left Out: 913.898+/-0.151 χ^2/NDF:462858.6/23

Right Out: 1477.664+/-0.273 χ^2/NDF: 4199471.0/29

Left In: 917.674+/-0.153 χ^2/NDF:430509.1/22

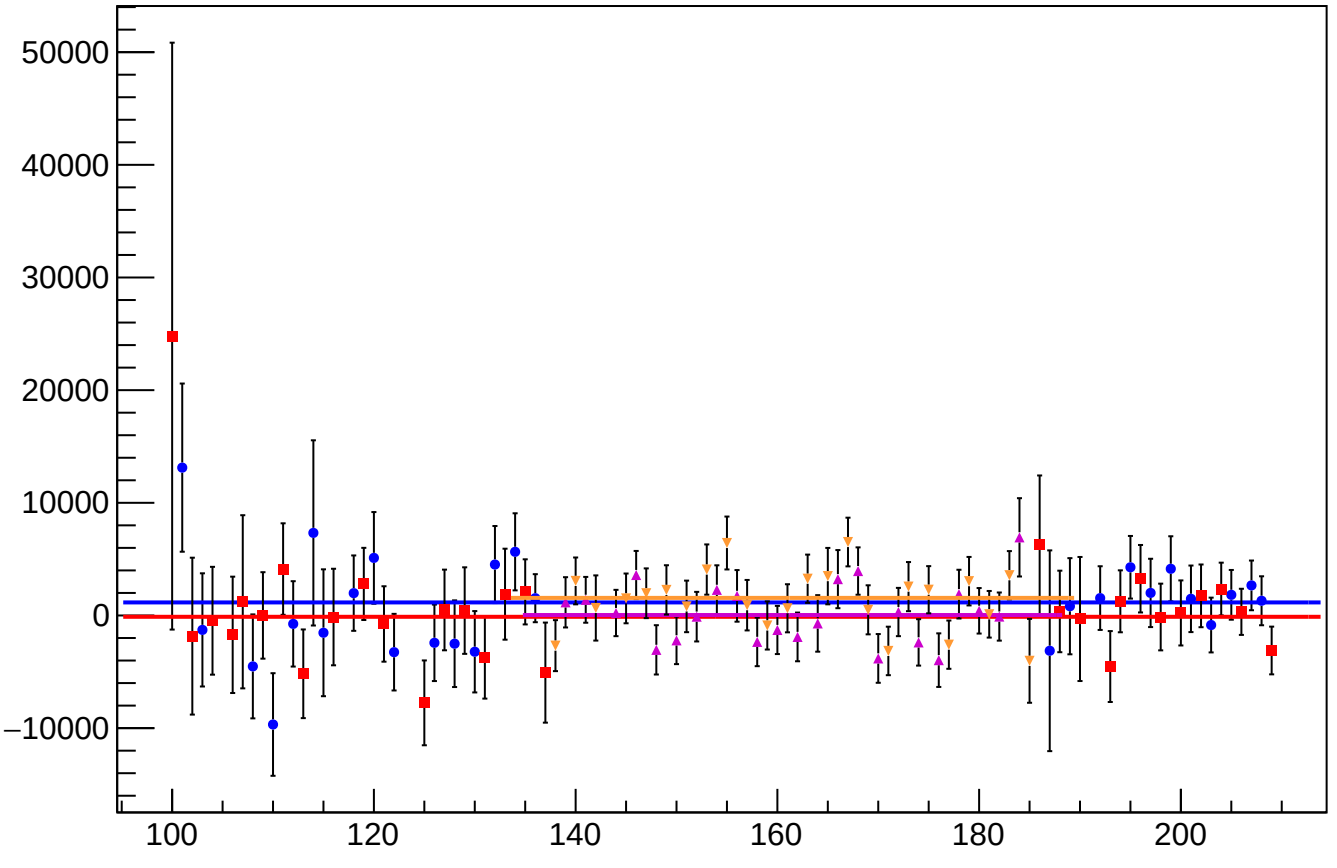
Left: 915.769+/-0.107 χ^2/NDF: 893676.2/46

Right: 1443.996+/-0.190 χ^2/NDF: 7200085.4/56

In: 1040.790+/-0.132 χ^2/NDF:6013833.6/49

Out: 1046.352+/-0.132 χ^2/NDF:7923219.0/53

All: 1043.570+/-0.094 χ^2/NDF: 13937935.9/1



Right In: 1158.151+/-622.069 χ^2/NDF: 23.9/26

Left Out: 1561.357+/-456.883 χ^2/NDF:31.2/23

Right Out: -117.334+/-624.275 χ^2/NDF: 20.1/29

Left In: 39.885+/-459.938 χ^2/NDF:27.8/22

Left: 805.690+/-324.140 χ^2/NDF: 64.6/46

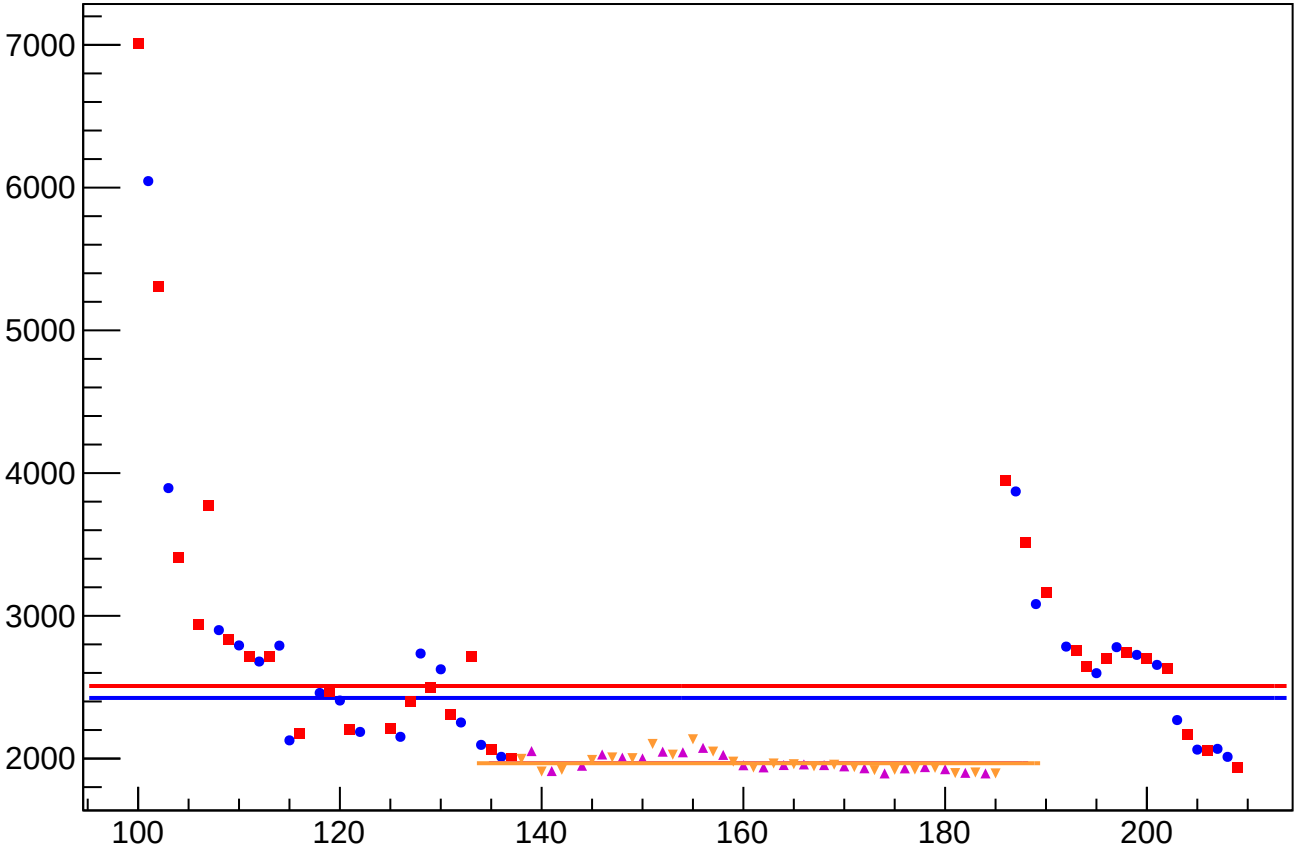
Right: 522.666+/-440.647 χ^2/NDF: 46.1/56

In: 435.133+/-369.829 χ^2/NDF:53.7/49

Out: 975.833+/-368.691 χ^2/NDF:56.1/53

All: 706.316+/-261.105 χ^2/NDF: 110.9/103

asym_us_dd_at1lr_dd_dd_rms vs Slug, Sign Corrected



Right In: 2424.676+/-0.440 χ^2/NDF: 1223862.3/26

Left Out: 1967.416+/-0.323 χ^2/NDF:34217.6/23

Right Out: 2508.426+/-0.441 χ^2/NDF: 1299723.3/29

Left In: 1969.022+/-0.325 χ^2/NDF:26523.0/22

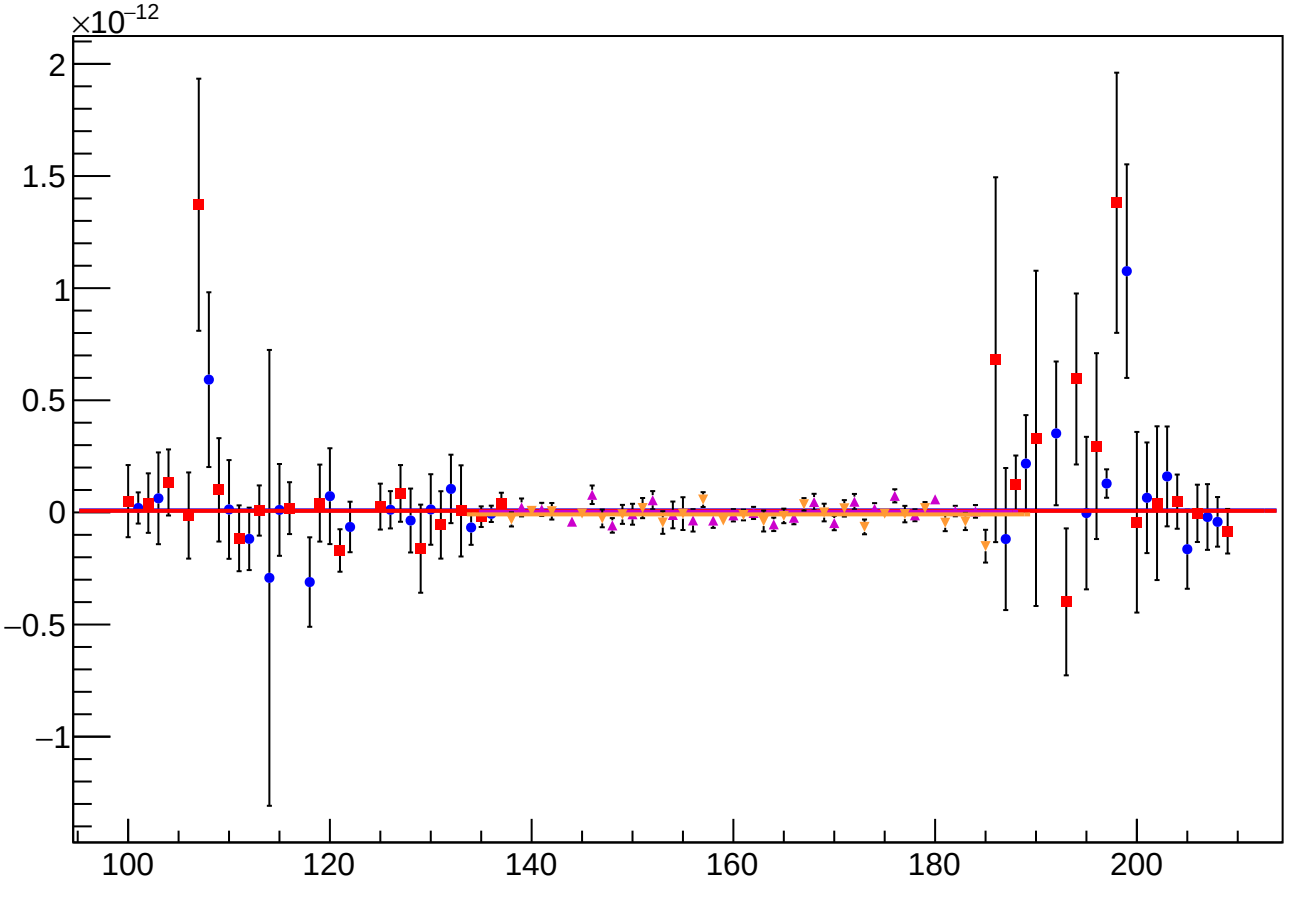
Left: 1968.213+/-0.229 χ^2/NDF: 60752.9/46

Right: 2466.403+/-0.312 χ^2/NDF: 2541647.1/56

In: 2130.072+/-0.262 χ^2/NDF:1944172.8/49

Out: 2156.119+/-0.261 χ^2/NDF:2312092.2/53

All: 2143.136+/-0.185 χ^2/NDF: 4261240.8/10



Right In: 0.000+/-0.000 χ^2/NDF: 20.5/26

Left Out: -0.000+/-0.000 χ^2/NDF:20.8/23

Right Out: 0.000+/-0.000 χ^2/NDF: 25.9/29

Left In: 0.000+/-0.000 χ^2/NDF:38.9/22

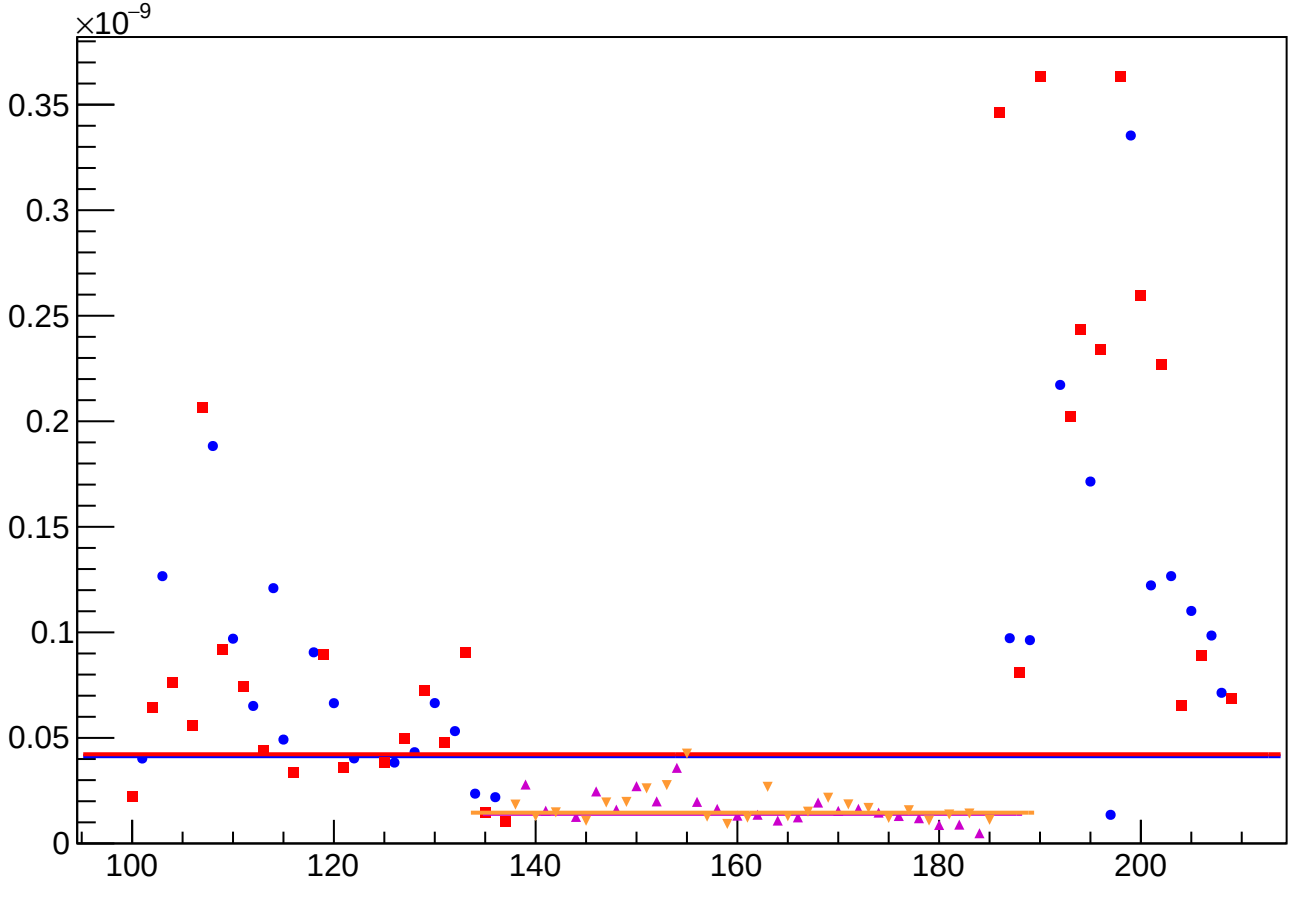
Left: -0.000+/-0.000 χ^2/NDF: 61.3/46

Right: 0.000+/-0.000 χ^2/NDF: 46.5/56

In: 0.000+/-0.000 χ^2/NDF:59.5/49

Out: -0.000+/-0.000 χ^2/NDF:47.1/53

All: -0.000+/-0.000 χ^2/NDF: 108.2/103



Right In: 0.000+/-0.000 χ^2/NDF: 5222325.4/26

Left Out: 0.000+/-0.000 χ^2/NDF:1178225.5/23

Right Out: 0.000+/-0.000 χ^2/NDF: 7011608.7/29

Left In: 0.000+/-0.000 χ^2/NDF:1430937.9/22

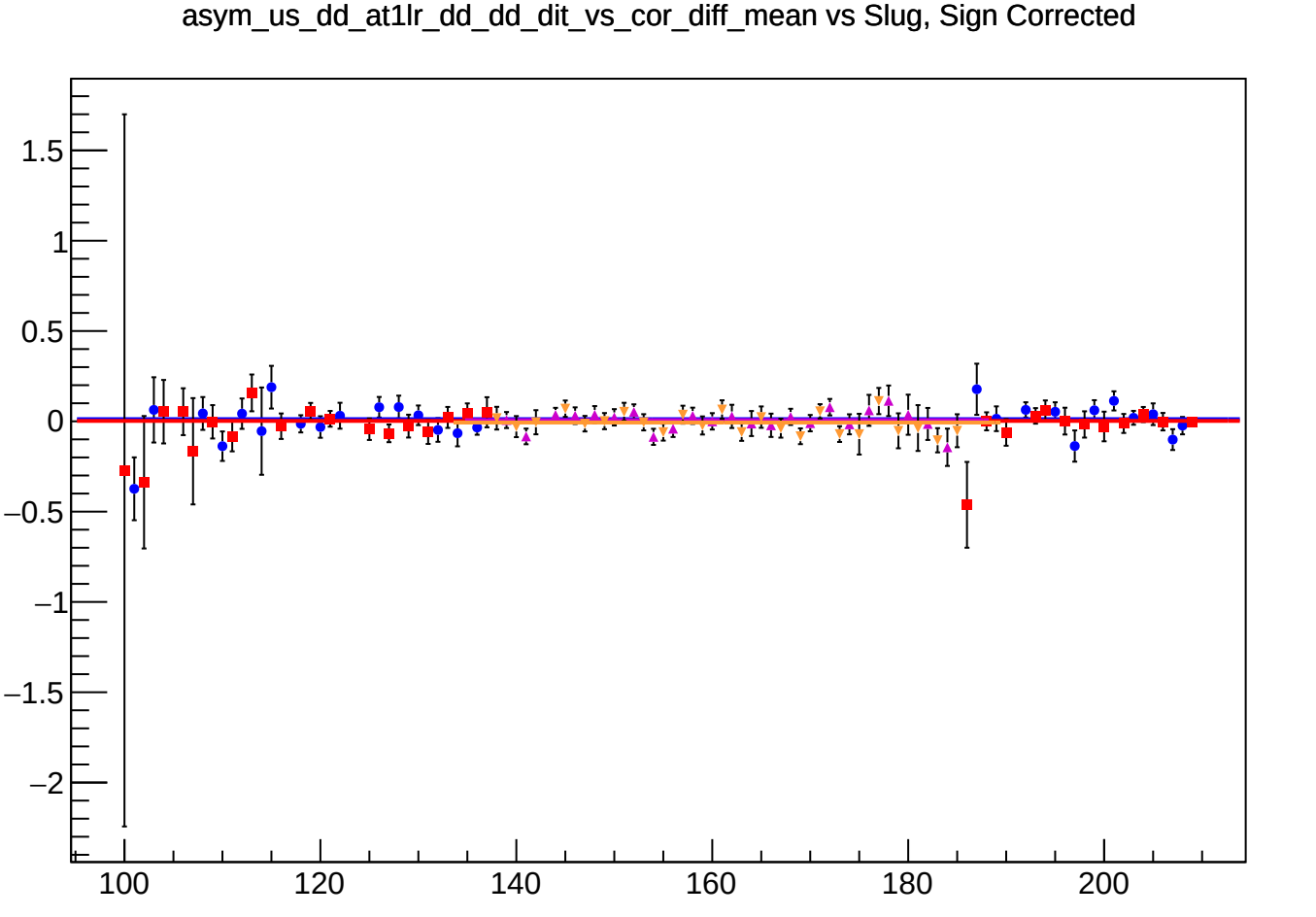
Left: 0.000+/-0.000 χ^2/NDF: 2616610.3/46

Right: 0.000+/-0.000 χ^2/NDF: 12235700.4/56

In: 0.000+/-0.000 χ^2/NDF:9620952.6/49

Out: 0.000+/-0.000 χ^2/NDF:11041005.6/53

All: 0.000+/-0.000 χ^2/NDF: 20669521.9/103



Right In: 0.012+/-0.012 χ^2/NDF: 33.2/26

Left Out: -0.007+/-0.011 χ^2/NDF:23.9/23

Right Out: 0.002+/-0.011 χ^2/NDF: 17.9/29

Left In: 0.006+/-0.011 χ^2/NDF:20.1/22

Left: -0.000+/-0.008 χ^2/NDF: 44.7/46

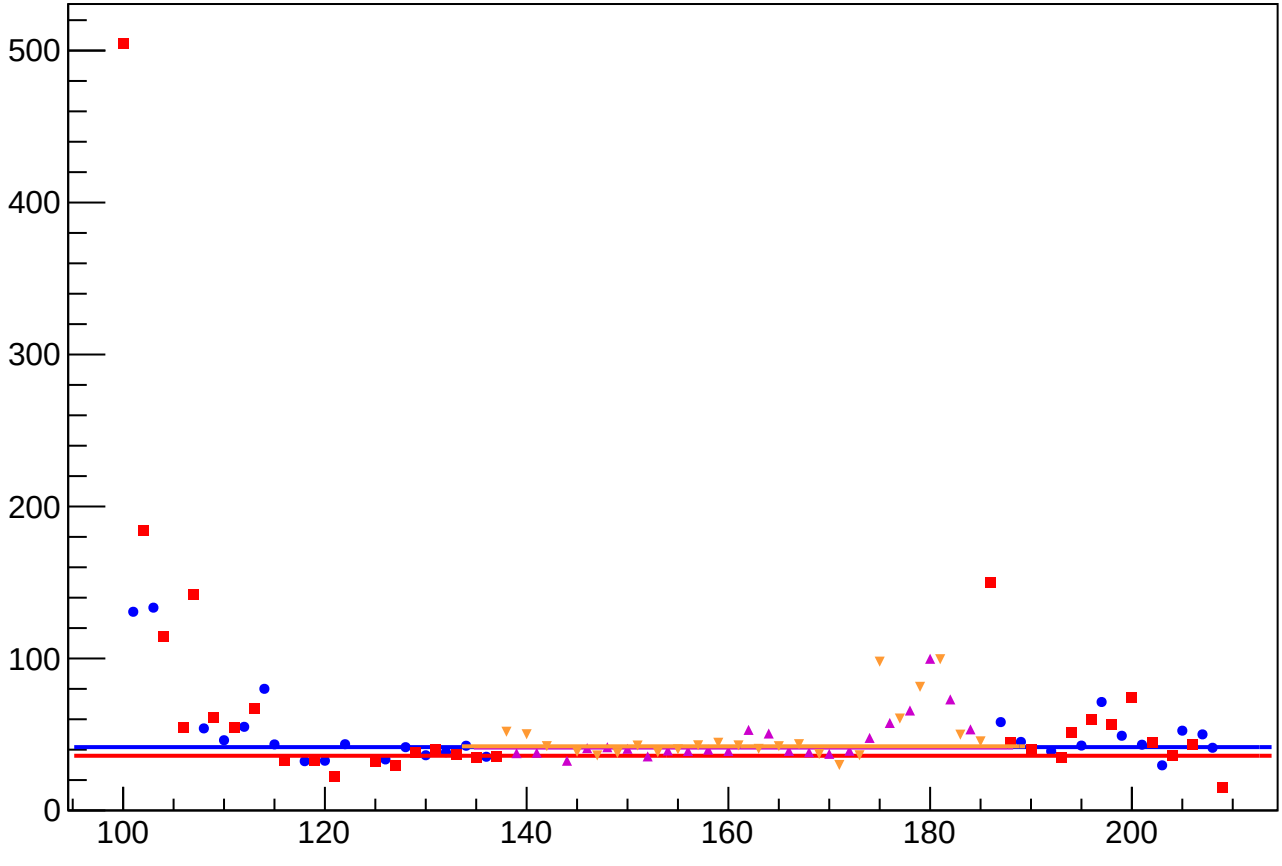
Right: 0.007+/-0.008 χ^2/NDF: 51.5/56

In: 0.009+/-0.008 χ^2/NDF:53.4/49

Out: -0.002+/-0.008 χ^2/NDF:42.2/53

All: 0.003+/-0.006 χ^2/NDF: 96.6/103

asym_us_dd_at1lr_dd_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 41.676+/-0.008 χ^2/NDF: 2038379.6/26

Left Out: 42.208+/-0.008 χ^2/NDF:1819371.1/23

Right Out: 35.984+/-0.008 χ^2/NDF: 4827234.7/29

Left In: 41.421+/-0.008 χ^2/NDF:1412177.5/22

Left: 41.808+/-0.005 χ^2/NDF: 3236828.7/46

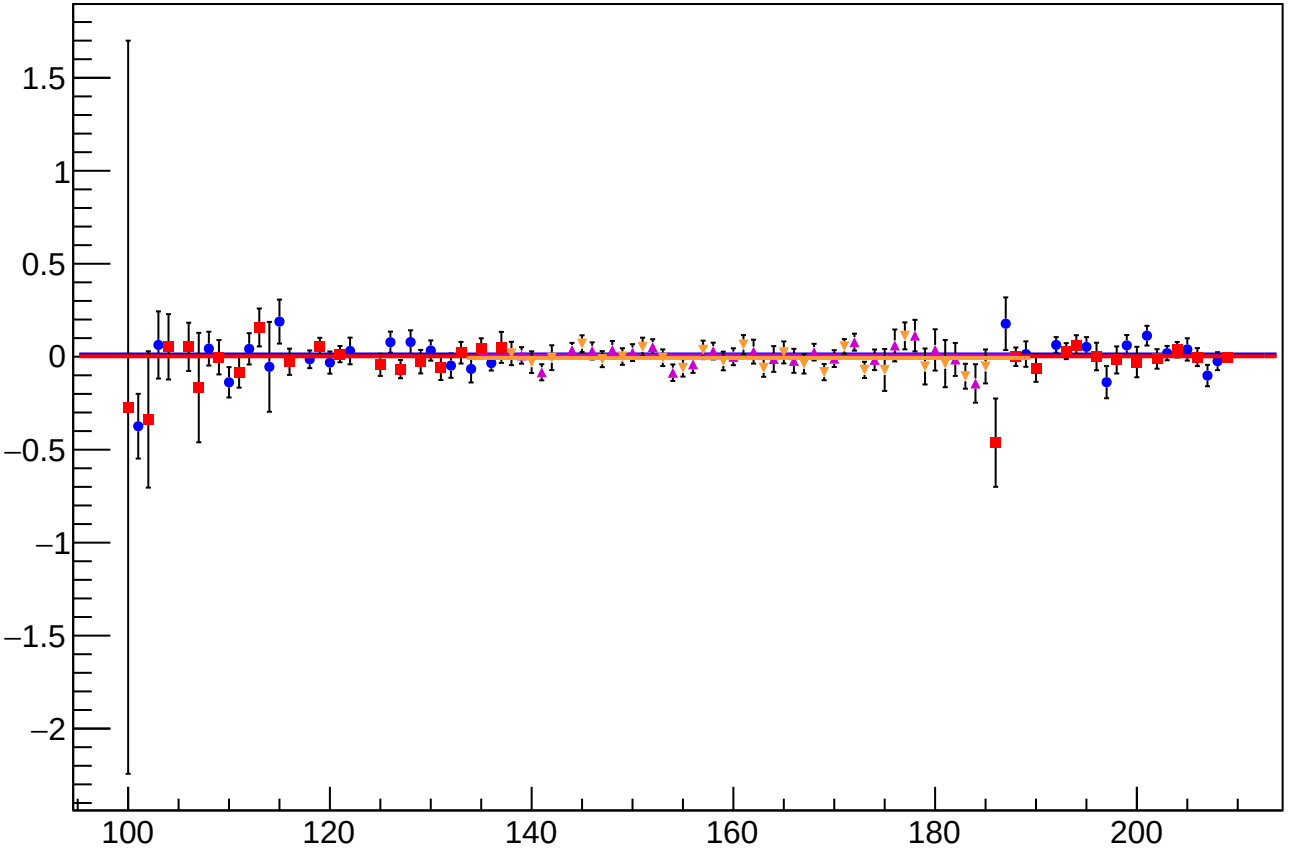
Right: 38.571+/-0.006 χ^2/NDF: 7116890.8/56

In: 41.536+/-0.006 χ^2/NDF:3451066.0/49

Out: 39.070+/-0.005 χ^2/NDF:6974249.6/53

All: 40.260+/-0.004 χ^2/NDF: 10524614.0/103

asym_us_dd_at1lr_dd_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.012+/-0.012 χ^2/NDF: 33.2/26

Left Out: -0.007+/-0.011 χ^2/NDF:23.9/23

Right Out: 0.002+/-0.011 χ^2/NDF: 17.9/29

Left In: 0.006+/-0.011 χ^2/NDF:20.1/22

Left: -0.000+/-0.008 χ^2/NDF: 44.7/46

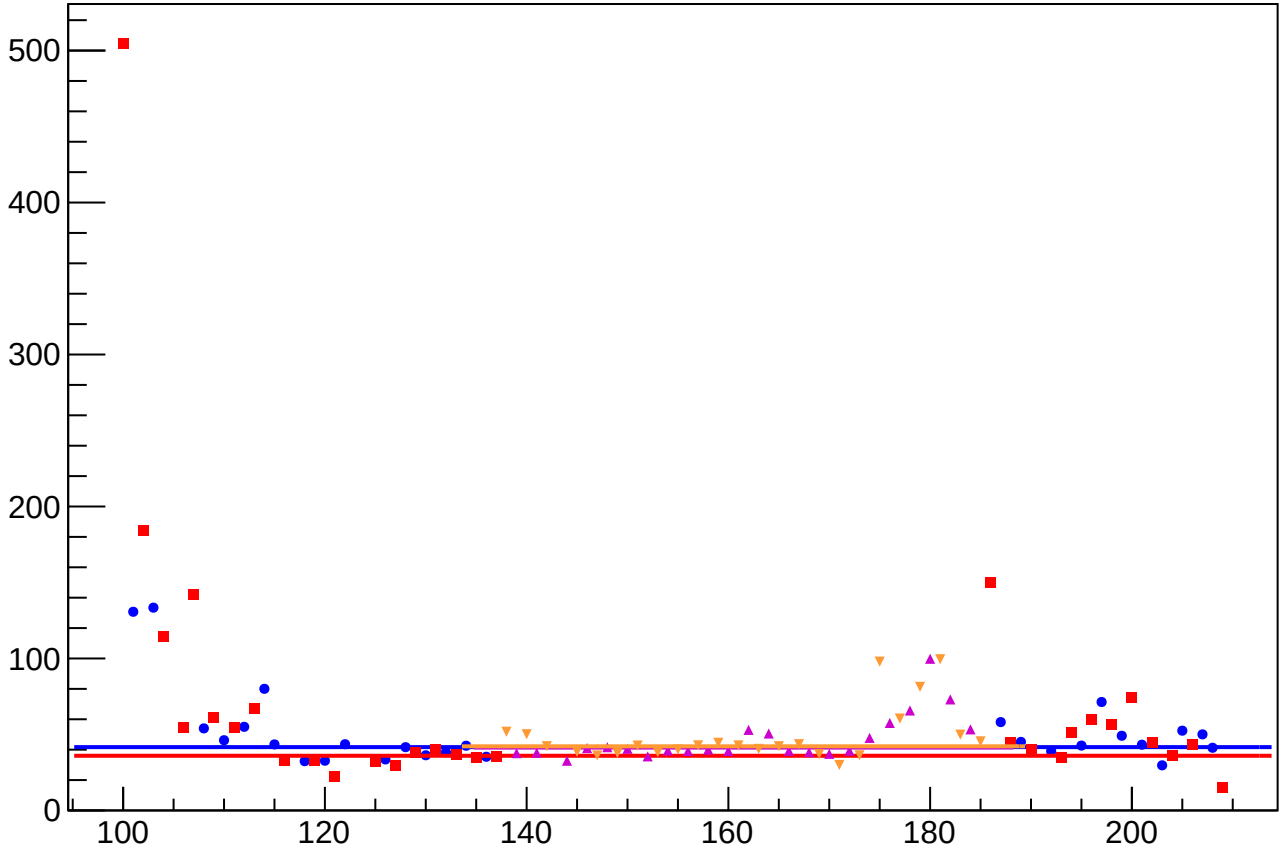
Right: 0.007+/-0.008 χ^2/NDF: 51.5/56

In: 0.009+/-0.008 χ^2/NDF:53.4/49

Out: -0.002+/-0.008 χ^2/NDF:42.2/53

All: 0.003+/-0.006 χ^2/NDF: 96.6/103

asym_us_dd_at1lr_dd_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 41.676+/-0.008 χ^2/NDF: 2038379.6/26

Left Out: 42.208+/-0.008 χ^2/NDF:1819371.1/23

Right Out: 35.984+/-0.008 χ^2/NDF: 4827234.7/29

Left In: 41.421+/-0.008 χ^2/NDF:1412177.5/22

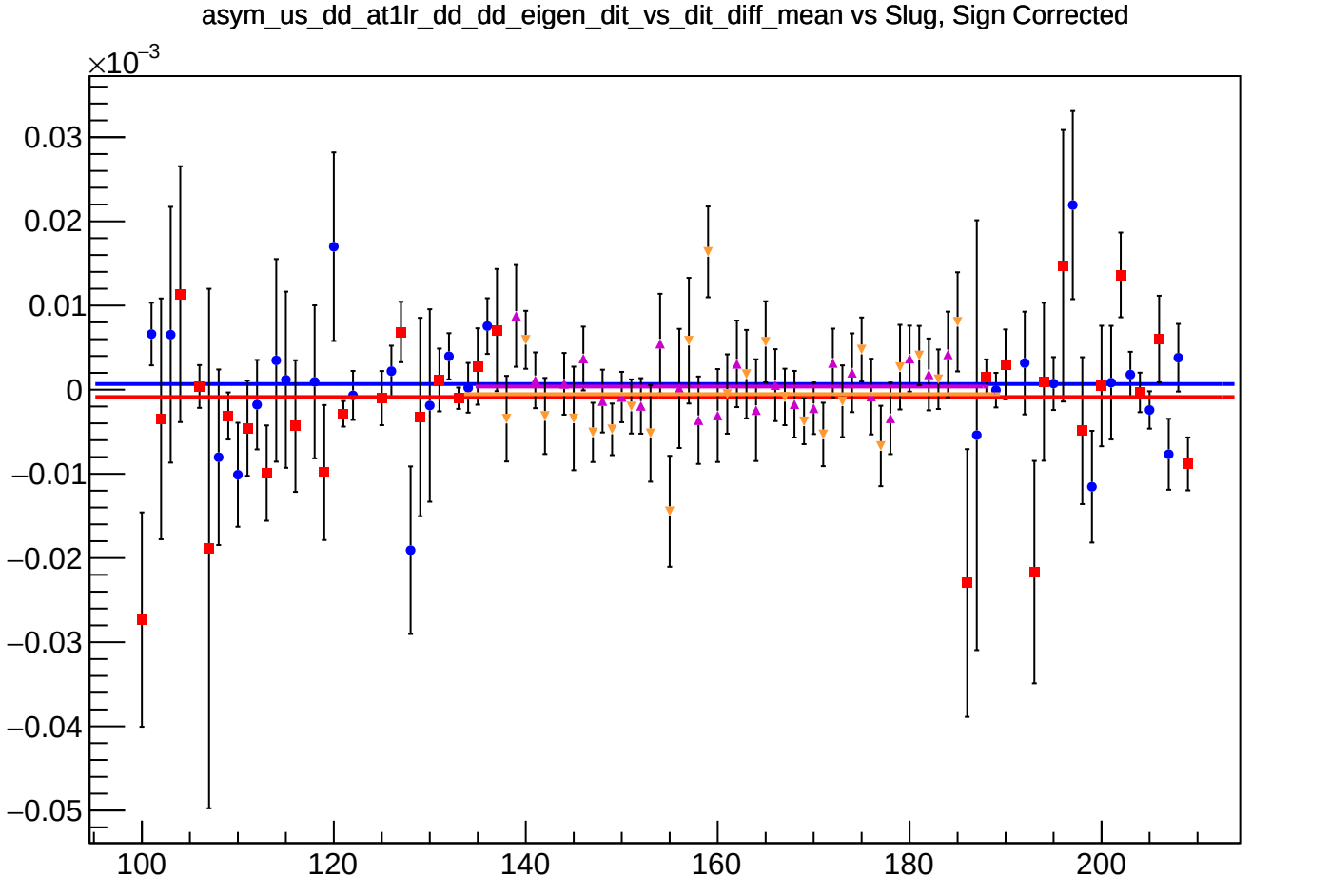
Left: 41.808+/-0.005 χ^2/NDF: 3236828.7/46

Right: 38.571+/-0.006 χ^2/NDF: 7116890.8/56

In: 41.536+/-0.006 χ^2/NDF:3451066.0/49

Out: 39.070+/-0.005 χ^2/NDF:6974249.6/53

All: 40.260+/-0.004 χ^2/NDF: 10524614.0/103



Right In: 0.000+/-0.000 χ^2/NDF: 33.1/26

Left Out: -0.000+/-0.000 χ^2/NDF:36.8/23

Right Out: -0.000+/-0.000 χ^2/NDF: 43.5/29

Left In: 0.000+/-0.000 χ^2/NDF:9.7/22

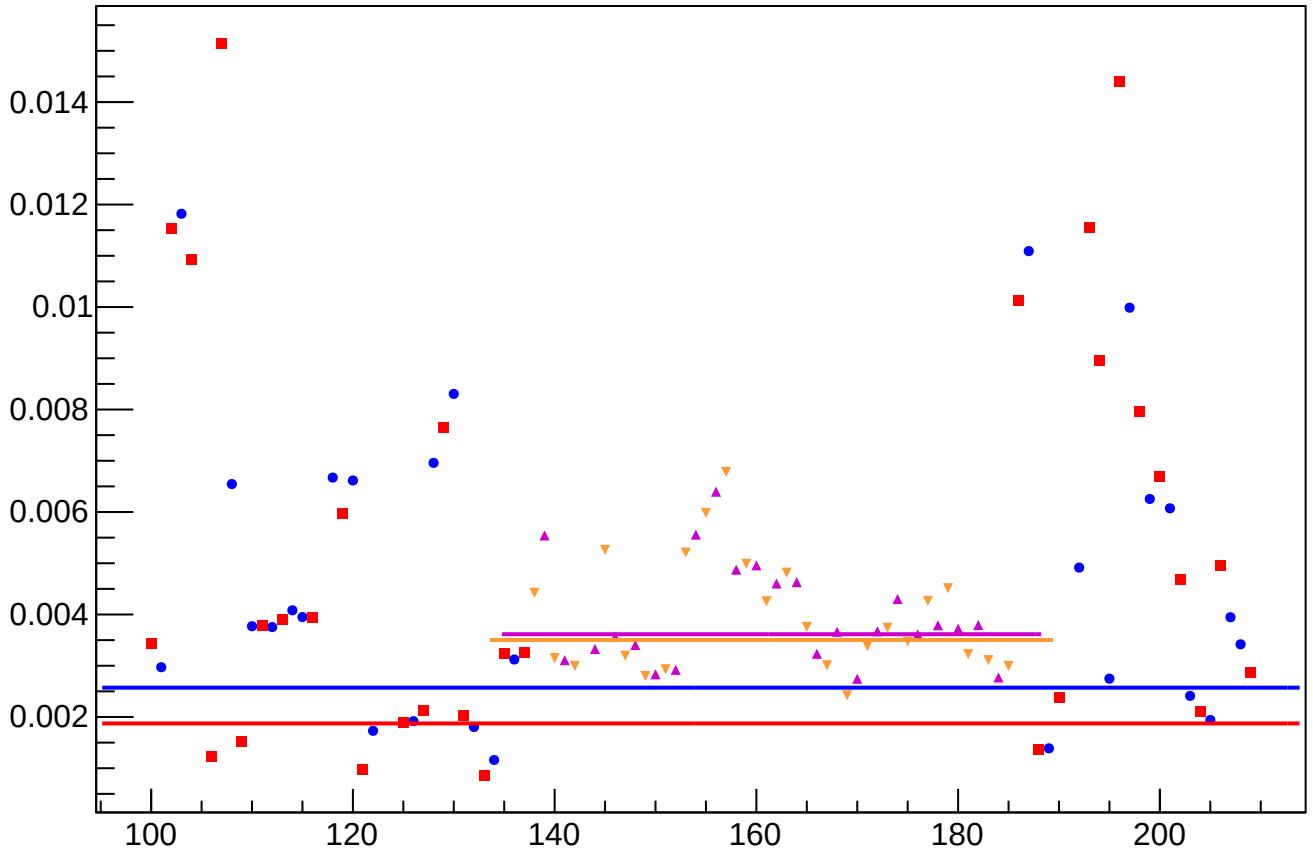
Left: -0.000+/-0.000 χ^2/NDF: 47.1/46

Right: -0.000+/-0.000 χ^2/NDF: 78.9/56

In: 0.000+/-0.000 χ^2/NDF:42.8/49

Out: -0.000+/-0.000 χ^2/NDF:80.5/53

All: -0.000+/-0.000 χ^2/NDF: 126.1/103



Right In: 0.003+/-0.000 χ^2/NDF: 7473219.9/26

Left Out: 0.004+/-0.000 χ^2/NDF:2190693.7/23

Right Out: 0.002+/-0.000 χ^2/NDF: 13638710.5/29

Left In: 0.004+/-0.000 χ^2/NDF:1668896.2/22

Left: 0.004+/-0.000 χ^2/NDF: 3876828.2/46

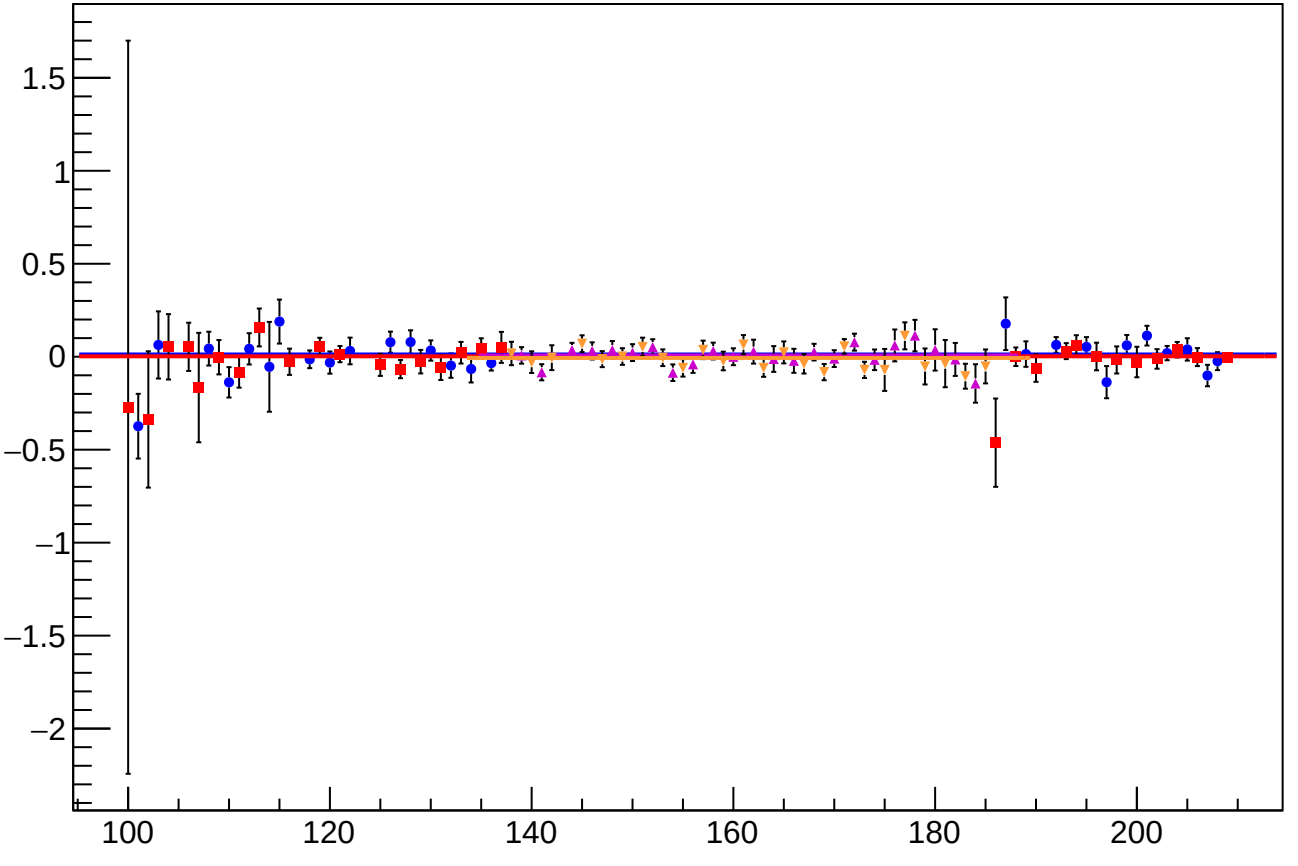
Right: 0.002+/-0.000 χ^2/NDF: 22075263.3/56

In: 0.003+/-0.000 χ^2/NDF:10732139.2/49

Out: 0.002+/-0.000 χ^2/NDF:20582570.4/53

All: 0.003+/-0.000 χ^2/NDF: 32413474.0/103

asym_us_dd_at1lr_dd_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.012+/-0.012 χ^2/NDF: 33.2/26

Left Out: -0.007+/-0.011 χ^2/NDF:23.9/23

Right Out: 0.002+/-0.011 χ^2/NDF: 17.9/29

Left In: 0.006+/-0.011 χ^2/NDF:20.1/22

Left: -0.000+/-0.008 χ^2/NDF: 44.7/46

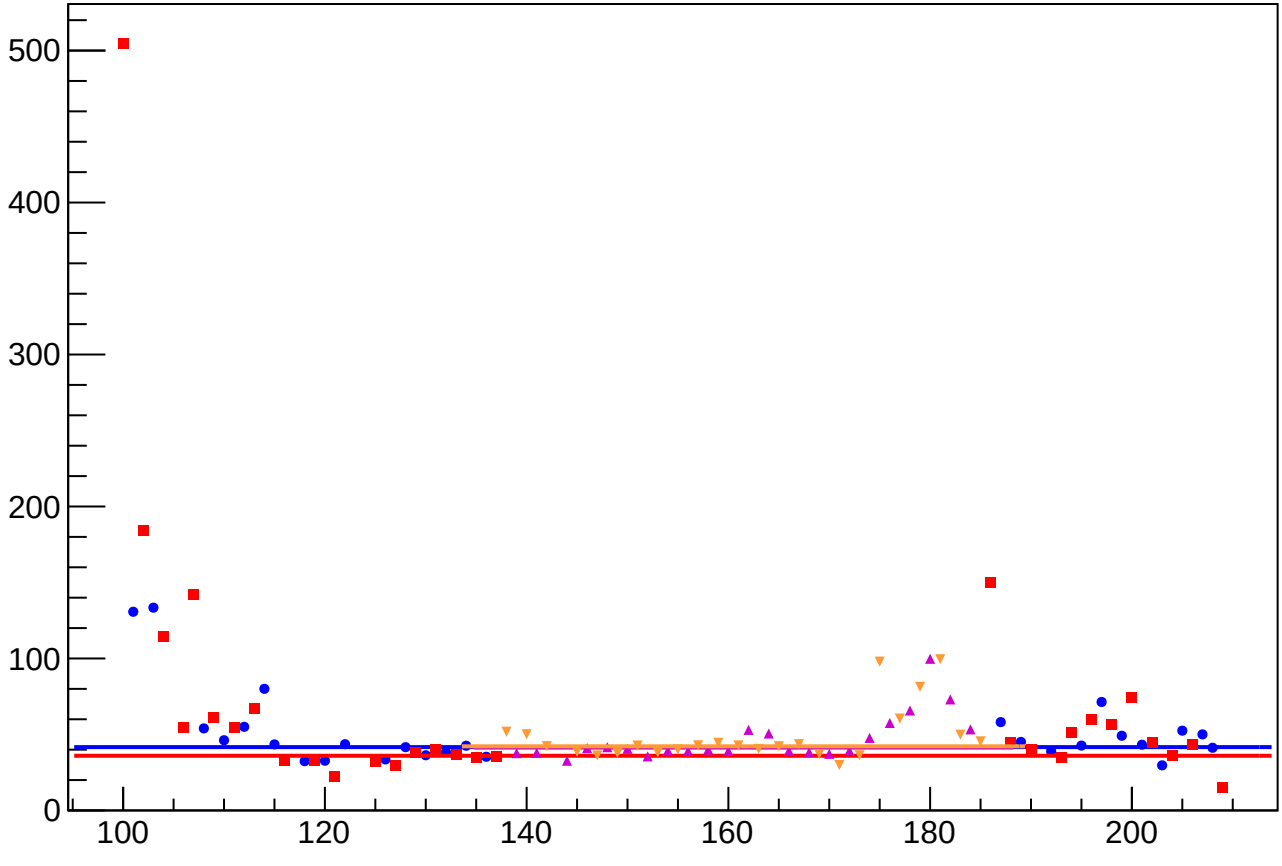
Right: 0.007+/-0.008 χ^2/NDF: 51.5/56

In: 0.009+/-0.008 χ^2/NDF:53.4/49

Out: -0.002+/-0.008 χ^2/NDF:42.2/53

All: 0.003+/-0.006 χ^2/NDF: 96.6/103

asym_us_dd_at1lr_dd_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 41.677+/-0.008 χ^2/NDF: 2038281.7/26

Left Out: 42.208+/-0.008 χ^2/NDF:1819378.3/23

Right Out: 35.988+/-0.008 χ^2/NDF: 4824807.2/29

Left In: 41.421+/-0.008 χ^2/NDF:1412111.4/22

Left: 41.808+/-0.005 χ^2/NDF: 3236767.5/46

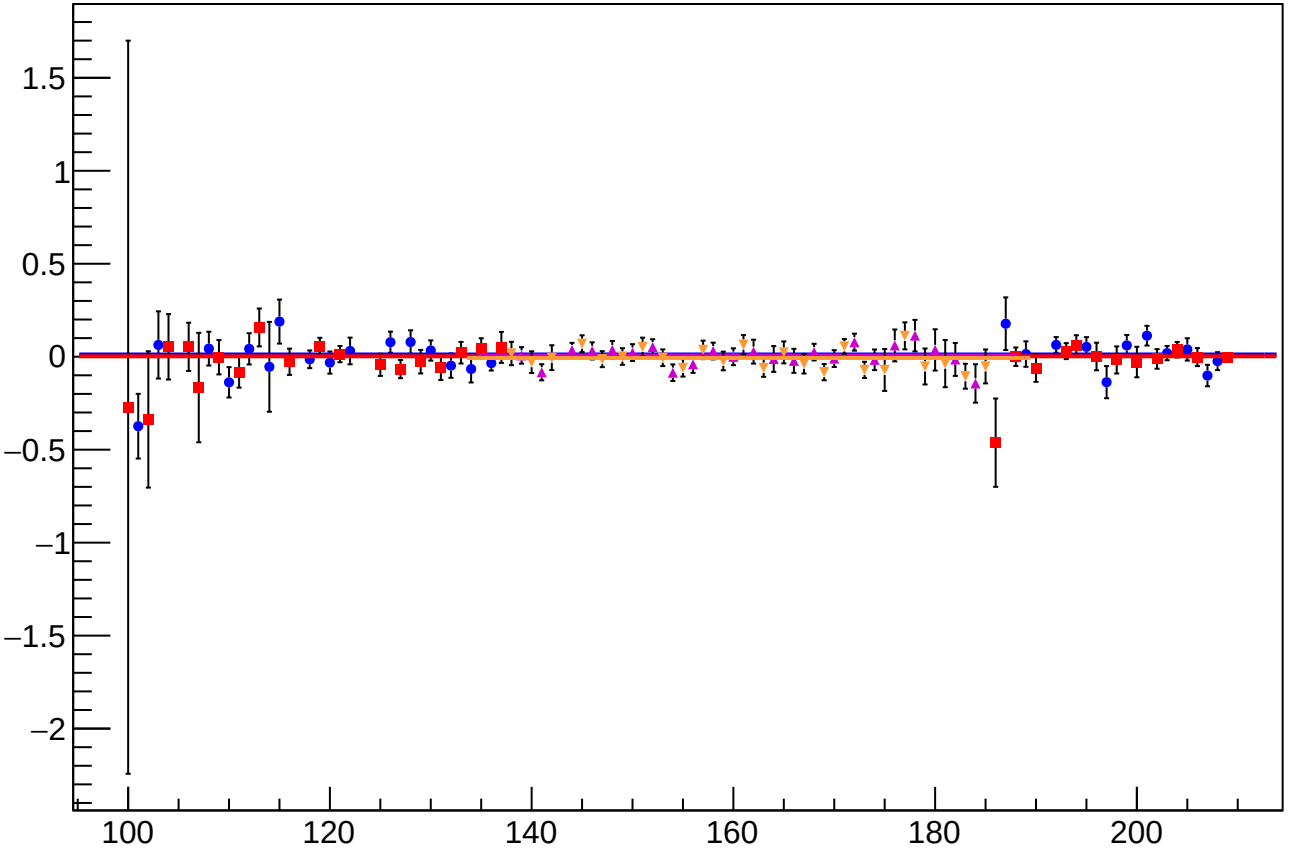
Right: 38.574+/-0.006 χ^2/NDF: 7113978.3/56

In: 41.536+/-0.006 χ^2/NDF:3450904.1/49

Out: 39.072+/-0.005 χ^2/NDF:6971296.8/53

All: 40.261+/-0.004 χ^2/NDF: 10521313.1/103

asym_us_dd_at1lr_dd_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.012+/-0.012 χ^2/NDF: 33.2/26

Left Out: -0.007+/-0.011 χ^2/NDF:23.9/23

Right Out: 0.002+/-0.011 χ^2/NDF: 17.9/29

Left In: 0.006+/-0.011 χ^2/NDF:20.1/22

Left: -0.000+/-0.008 χ^2/NDF: 44.7/46

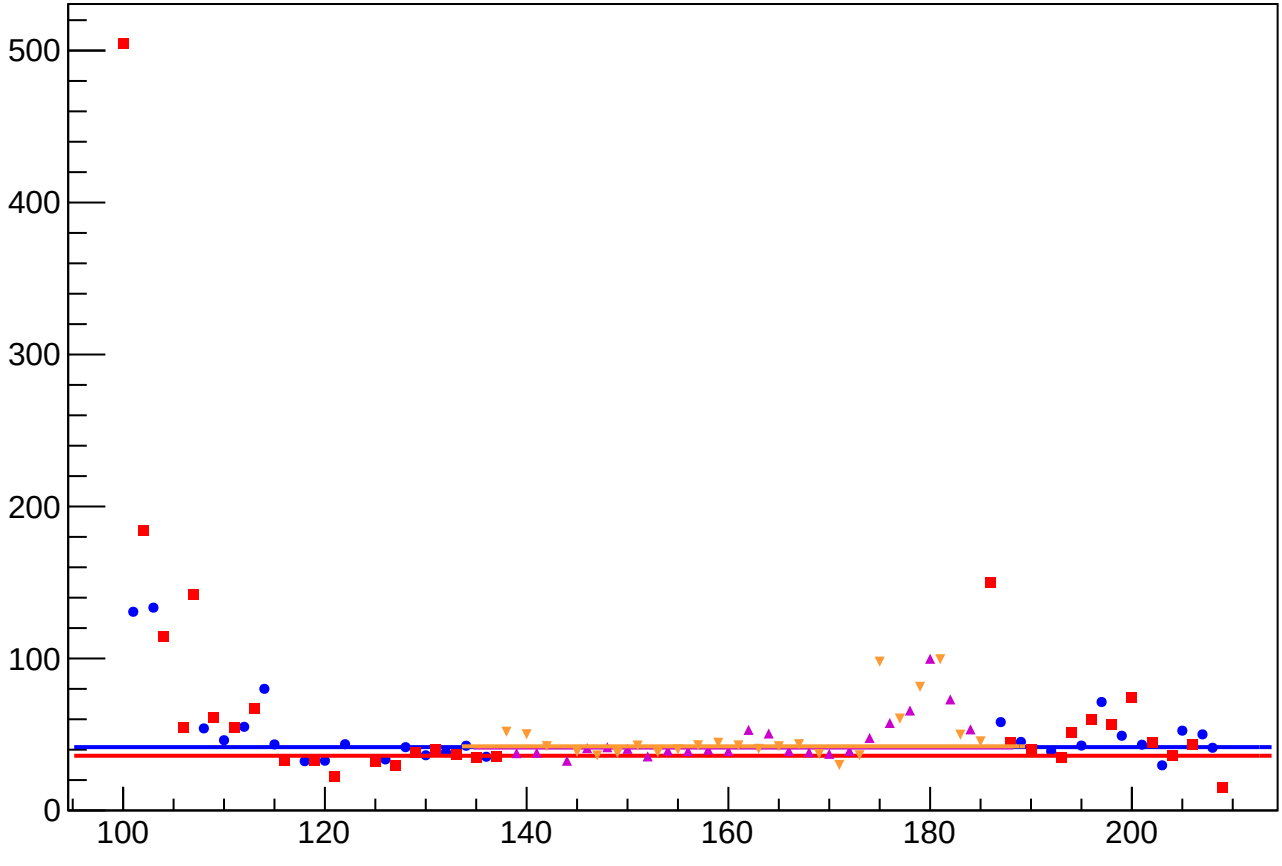
Right: 0.007+/-0.008 χ^2/NDF: 51.5/56

In: 0.009+/-0.008 χ^2/NDF:53.4/49

Out: -0.002+/-0.008 χ^2/NDF:42.2/53

All: 0.003+/-0.006 χ^2/NDF: 96.6/103

asym_us_dd_at1lr_dd_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 41.677+/-0.008 χ^2/NDF: 2038281.7/26

Left Out: 42.208+/-0.008 χ^2/NDF:1819378.3/23

Right Out: 35.988+/-0.008 χ^2/NDF: 4824807.2/29

Left In: 41.421+/-0.008 χ^2/NDF:1412111.4/22

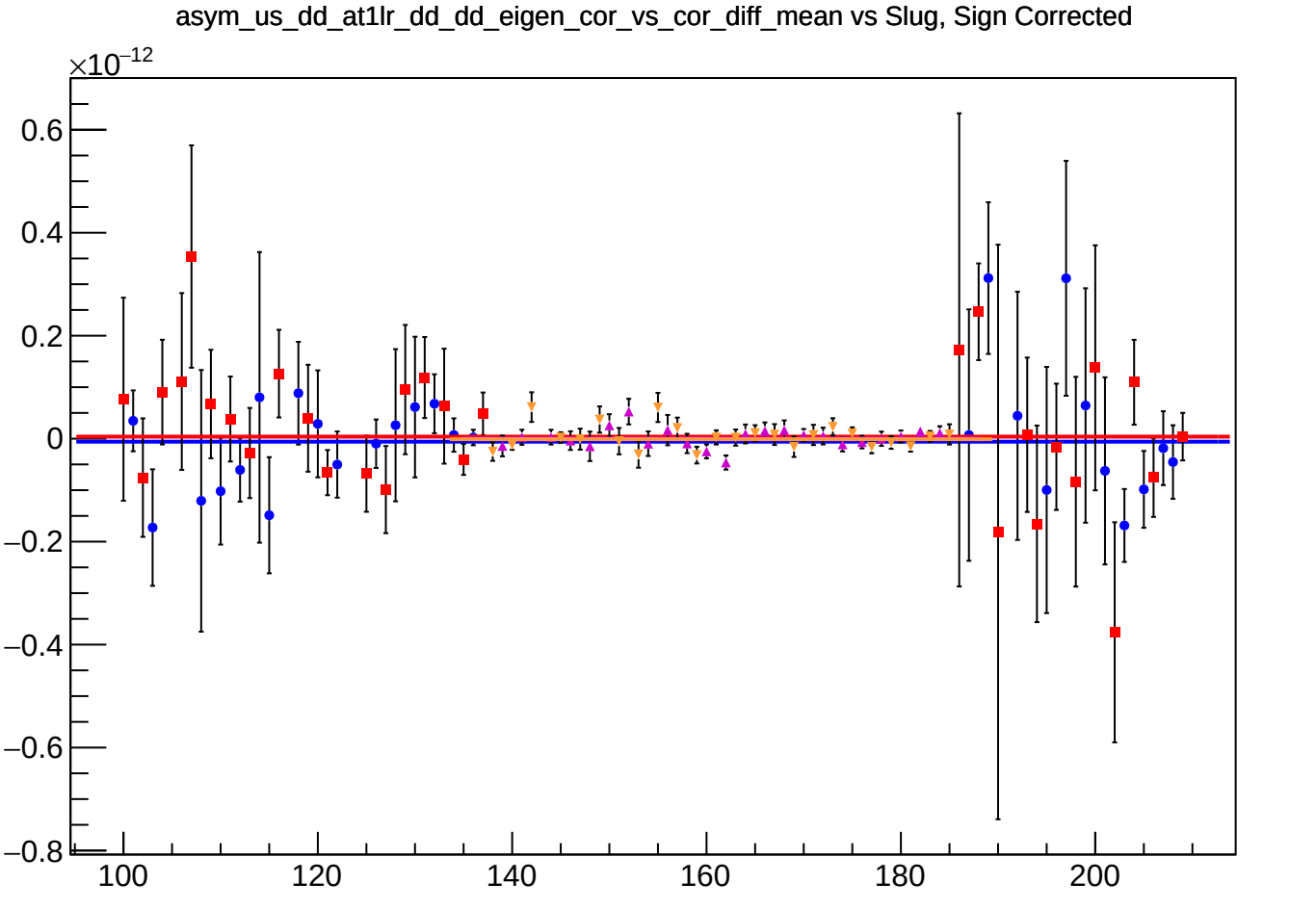
Left: 41.808+/-0.005 χ^2/NDF: 3236767.5/46

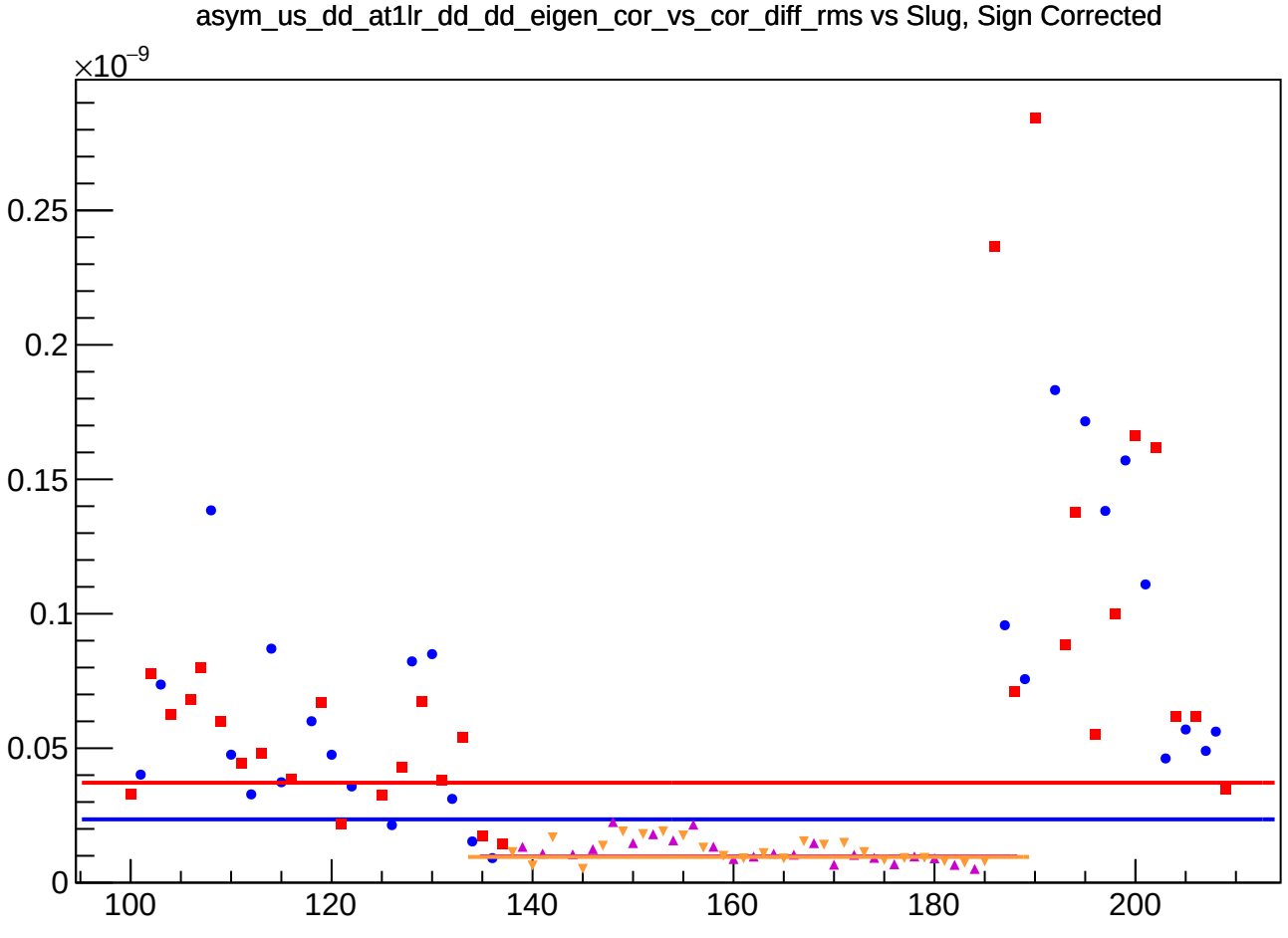
Right: 38.574+/-0.006 χ^2/NDF: 7113978.3/56

In: 41.536+/-0.006 χ^2/NDF:3450904.1/49

Out: 39.072+/-0.005 χ^2/NDF:6971296.8/53

All: 40.261+/-0.004 χ^2/NDF: 10521313.1/103


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
Right In: -0.000+/-0.000 χ²/NDF: 24.2/26
Left Out: -0.000+/-0.000 χ²/NDF:29.5/23
Right Out: 0.000+/-0.000 χ²/NDF: 32.5/29
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: 57.1/56
In: -0.000+/-0.000 χ²/NDF:52.9/49
Out: -0.000+/-0.000 χ²/NDF:62.1/53
All: -0.000+/-0.000 χ²/NDF: 115.0/103



Right In: 0.000+/-0.000 χ^2/NDF: 9412501.7/26

Left Out: 0.000+/-0.000 χ^2/NDF:2445128.6/23

Right Out: 0.000+/-0.000 χ^2/NDF: 6440156.3/29

Left In: 0.000+/-0.000 χ^2/NDF:2250638.6/22

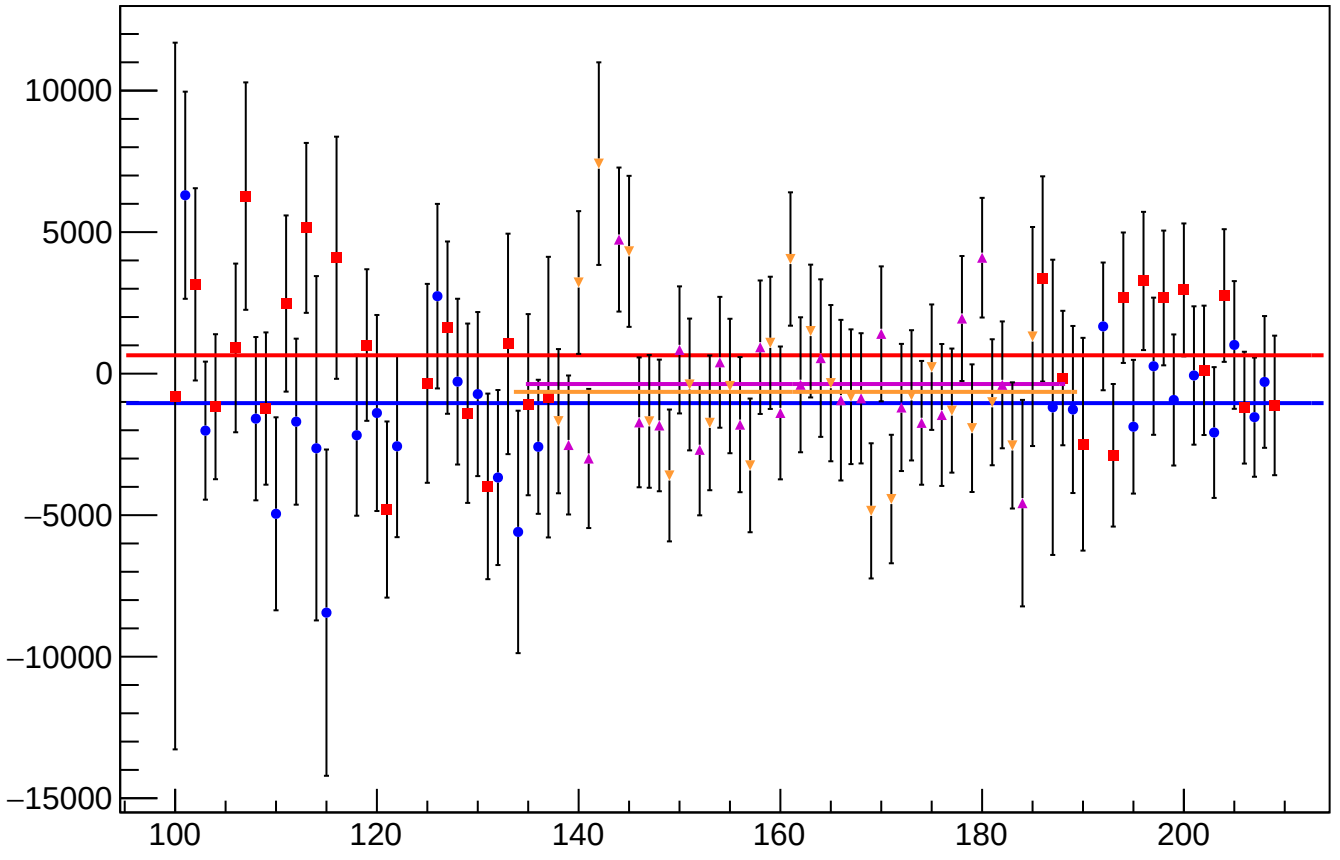
Left: 0.000+/-0.000 χ^2/NDF: 4701887.7/46

Right: 0.000+/-0.000 χ^2/NDF: 16987356.4/56

In: 0.000+/-0.000 χ^2/NDF:14589733.4/49

Out: 0.000+/-0.000 χ^2/NDF:15882809.3/53

All: 0.000+/-0.000 χ^2/NDF: 30474287.1/103



Right In: -1041.217+/-539.263 χ^2/NDF: 14.6/26

Left Out: -643.811+/-493.681 χ^2/NDF:27.1/23

Right Out: 648.571+/-523.725 χ^2/NDF: 22.1/29

Left In: -366.759+/-497.896 χ^2/NDF:17.3/22

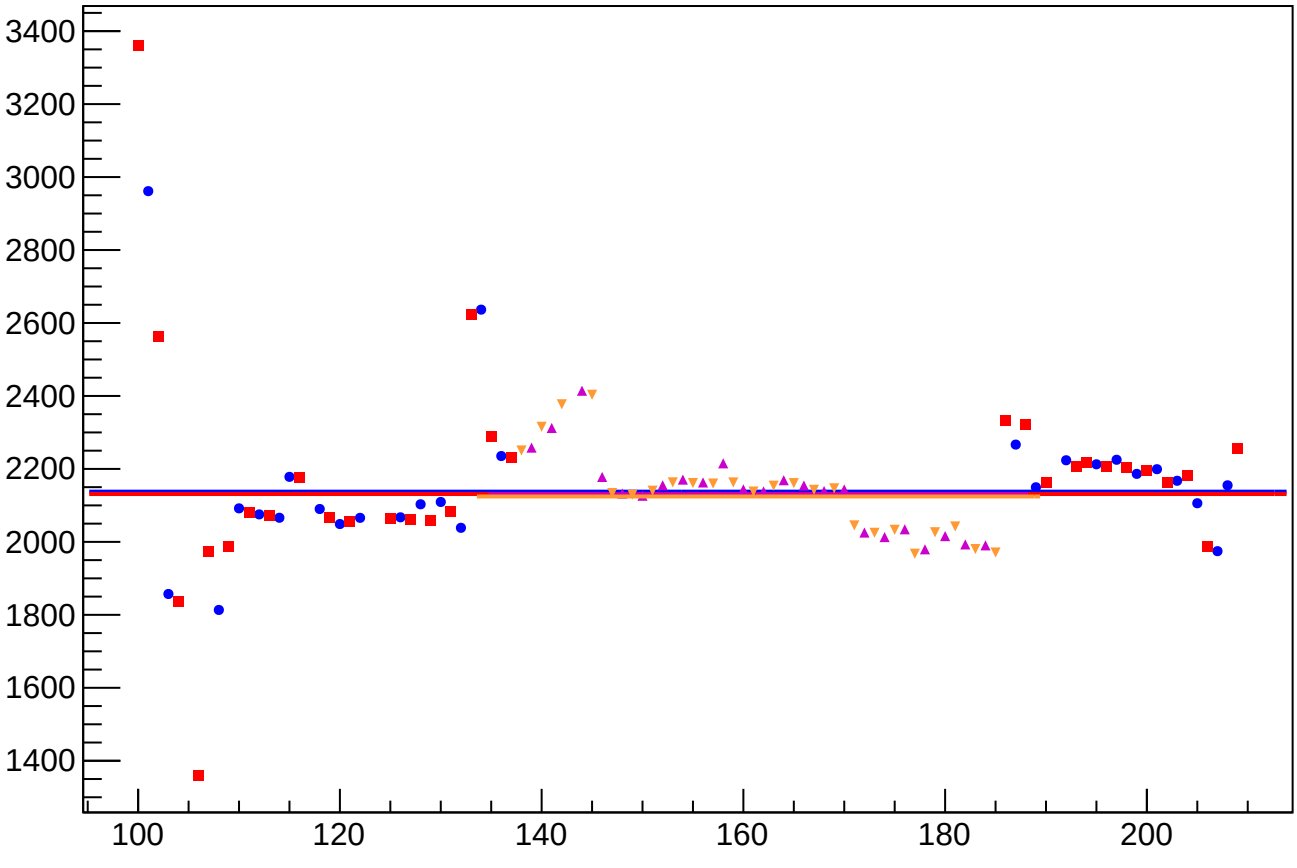
Left: -506.463+/-350.566 χ^2/NDF: 44.6/46

Right: -171.628+/-375.702 χ^2/NDF: 41.7/56

In: -677.130+/-365.817 χ^2/NDF:32.8/49

Out: -35.750+/-359.237 χ^2/NDF:52.4/53

All: -350.620+/-256.314 χ^2/NDF: 86.7/103



Right In: 2137.676+/-0.381 χ^2/NDF: 215374.2/26

Left Out: 2124.437+/-0.349 χ^2/NDF:89184.0/23

Right Out: 2131.156+/-0.370 χ^2/NDF: 311629.8/29

Left In: 2129.897+/-0.352 χ^2/NDF:85354.5/22

Left: 2127.144+/-0.248 χ^2/NDF: 174659.8/46

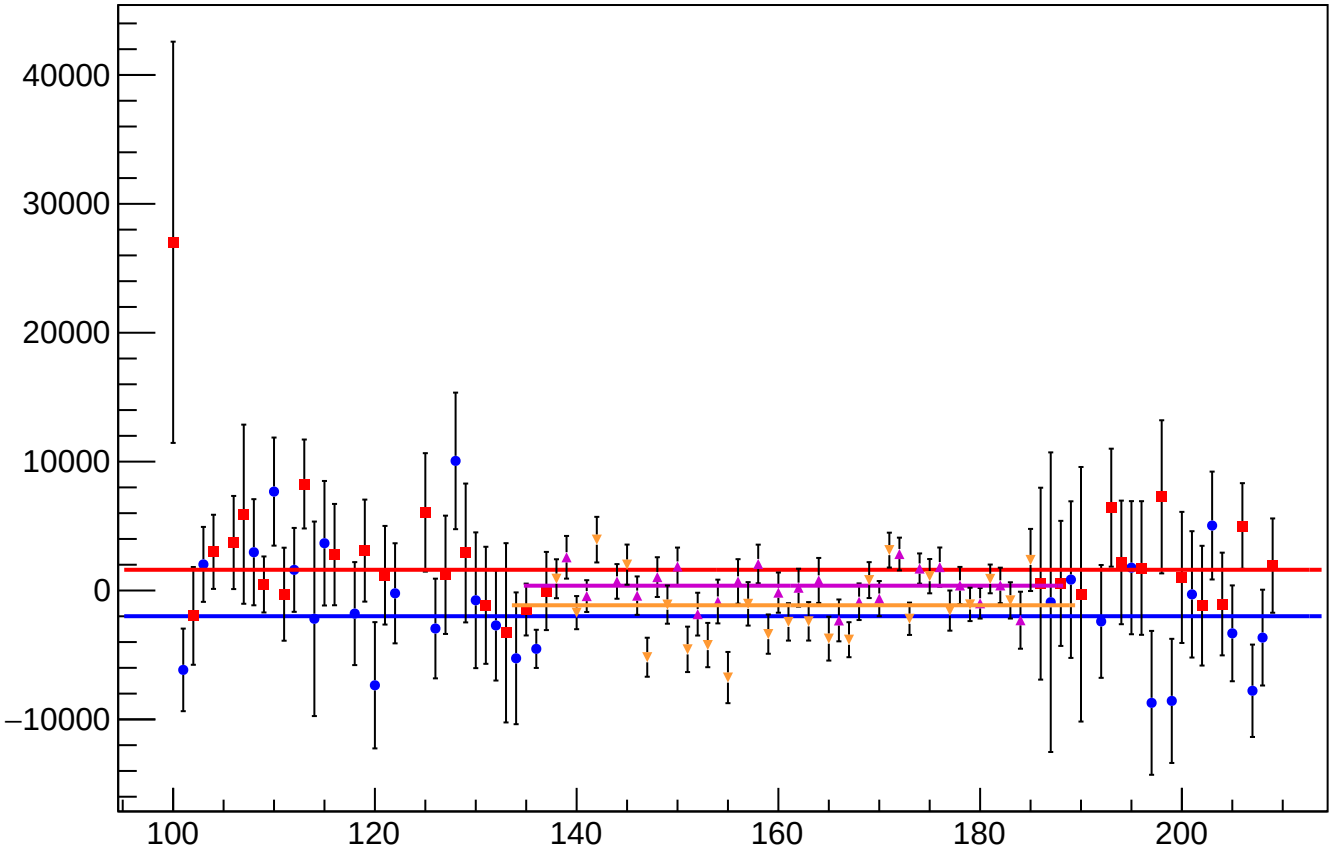
Right: 2134.320+/-0.266 χ^2/NDF: 527154.5/56

In: 2133.476+/-0.259 χ^2/NDF:300953.3/49

Out: 2127.598+/-0.254 χ^2/NDF:400988.2/53

All: 2130.484+/-0.181 χ^2/NDF: 702204.3/103

asym_us_dd_at2lr_dd_avg_reg_correction_mean vs Slug, Sign Corrected



Right In: -1993.862+/-732.214 χ^2/NDF: 33.0/26

Left Out: -1144.817+/-302.488 χ^2/NDF:67.5/23

Right Out: 1608.259+/-714.913 χ^2/NDF: 17.6/29

Left In: 373.302+/-305.378 χ^2/NDF:20.3/22

Left: -392.974+/-214.906 χ^2/NDF: 100.3/46

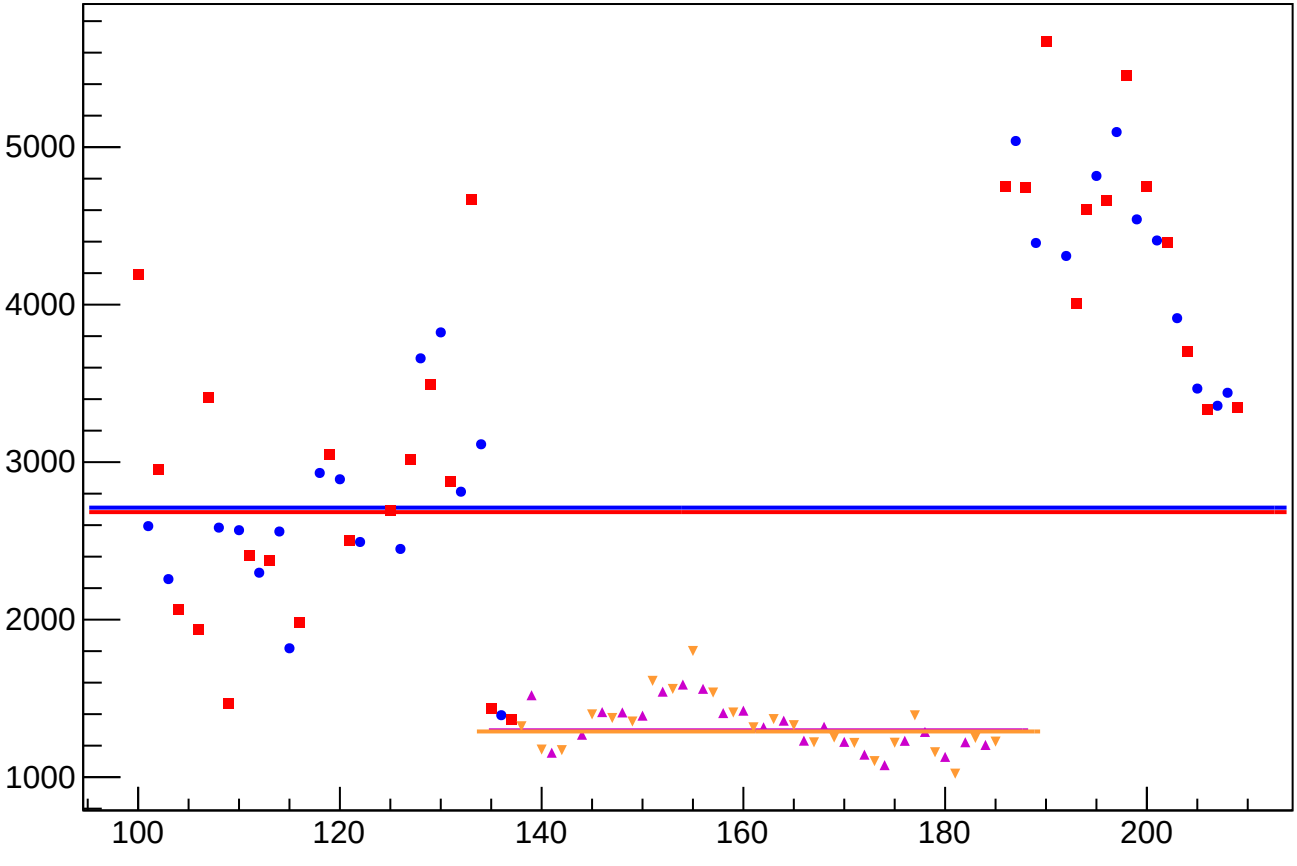
Right: -149.745+/-511.527 χ^2/NDF: 62.9/56

In: 22.565+/-281.848 χ^2/NDF:62.2/49

Out: -726.789+/-278.578 χ^2/NDF:97.6/53

All: -356.484+/-198.130 χ^2/NDF: 163.4/103

asym_us_dd_at2lr_dd_avg_reg_correction_rms vs Slug, Sign Corrected



Right In: 2711.264+/-0.518 χ^2/NDF: 4047990.1/26

Left Out: 1290.029+/-0.214 χ^2/NDF:567950.9/23

Right Out: 2682.721+/-0.506 χ^2/NDF: 5120215.1/29

Left In: 1297.454+/-0.216 χ^2/NDF:433995.4/22

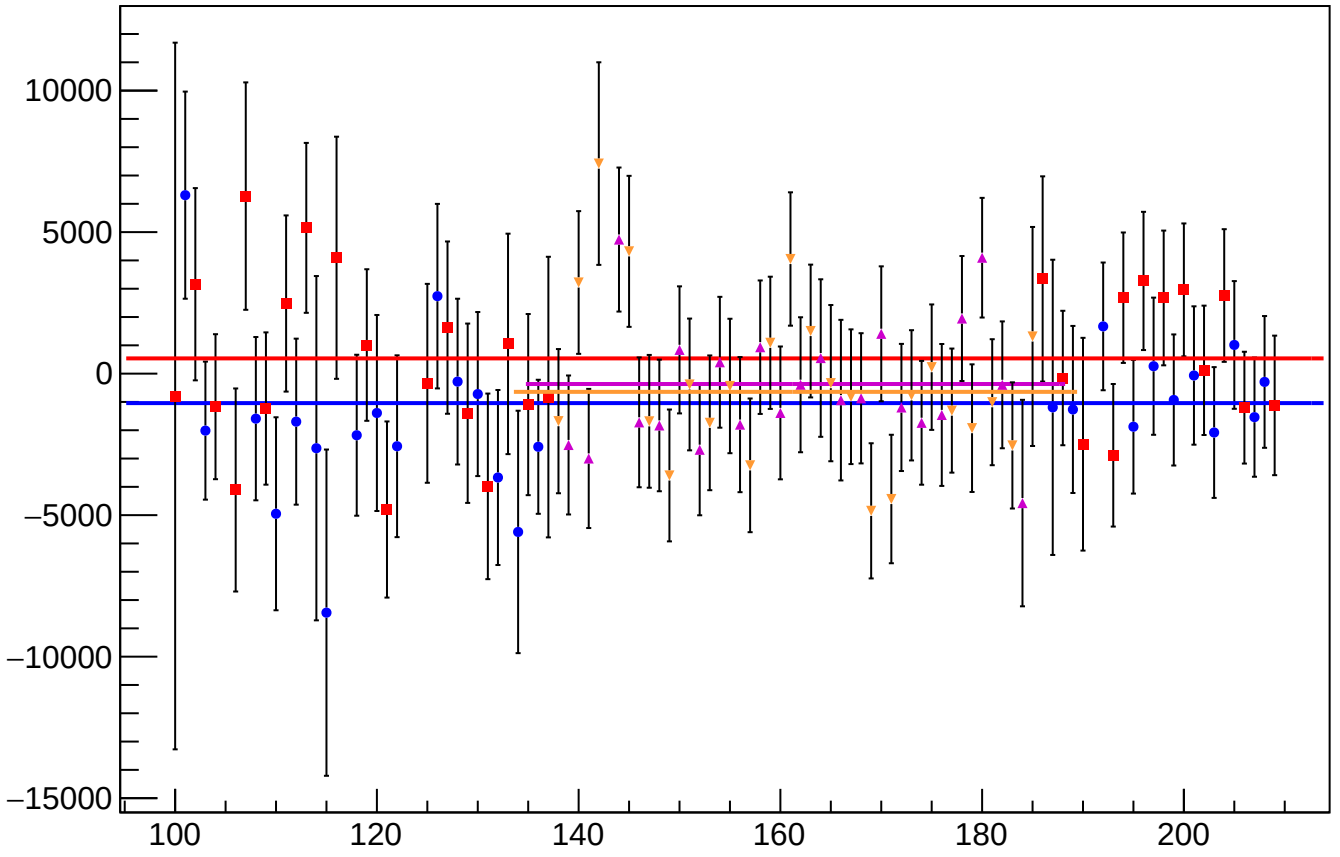
Left: 1293.707+/-0.152 χ^2/NDF: 1002543.1/46

Right: 2696.651+/-0.362 χ^2/NDF: 9169761.1/56

In: 1506.935+/-0.199 χ^2/NDF:10833693.2/49

Out: 1501.496+/-0.197 χ^2/NDF:12125570.0/53

All: 1504.184+/-0.140 χ^2/NDF: 22959640.0/1



Right In: -1041.272+/-539.263 χ^2/NDF: 14.6/26

Left Out: -643.673+/-493.681 χ^2/NDF:27.1/23

Right Out: 538.195+/-526.250 χ^2/NDF: 23.8/29

Left In: -366.649+/-497.896 χ^2/NDF:17.3/22

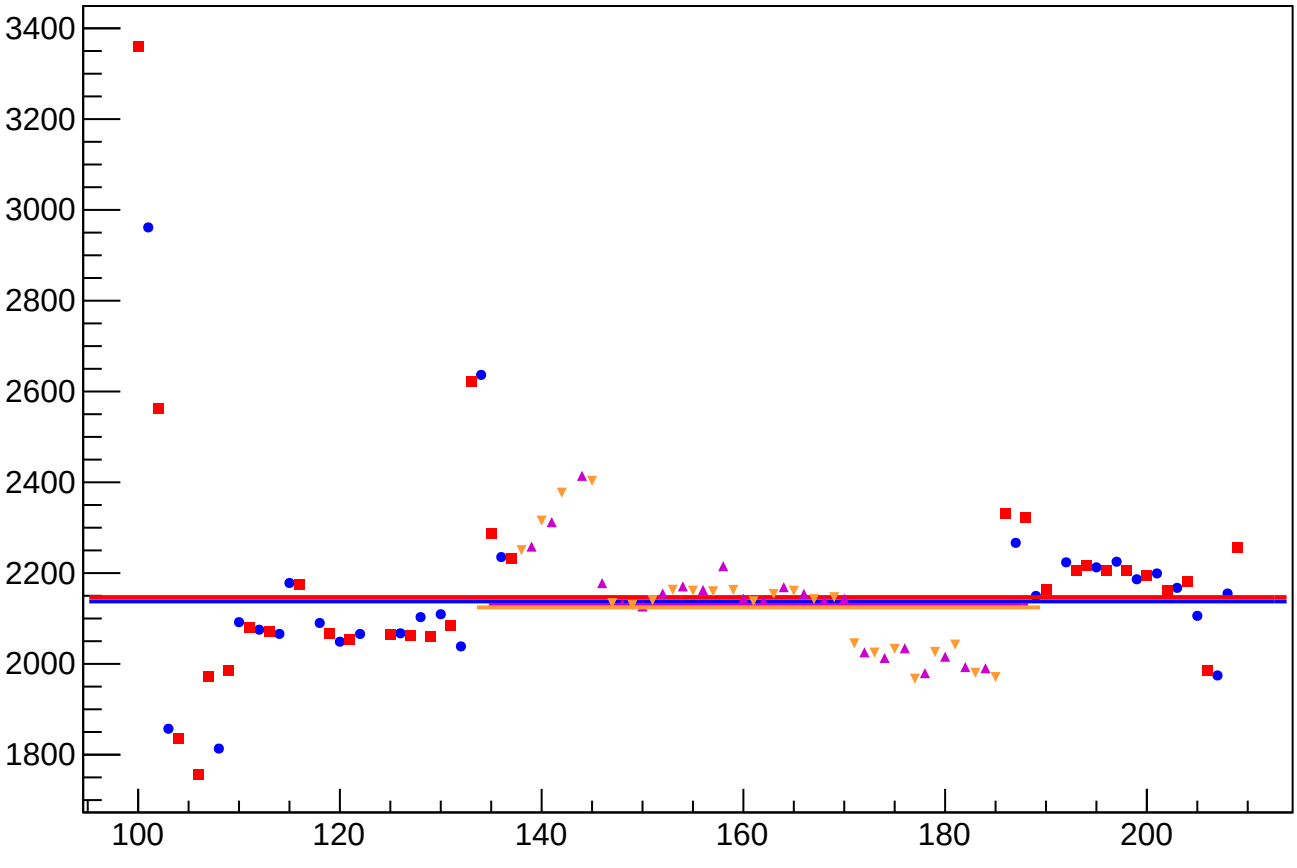
Left: -506.339+/-350.566 χ^2/NDF: 44.6/46

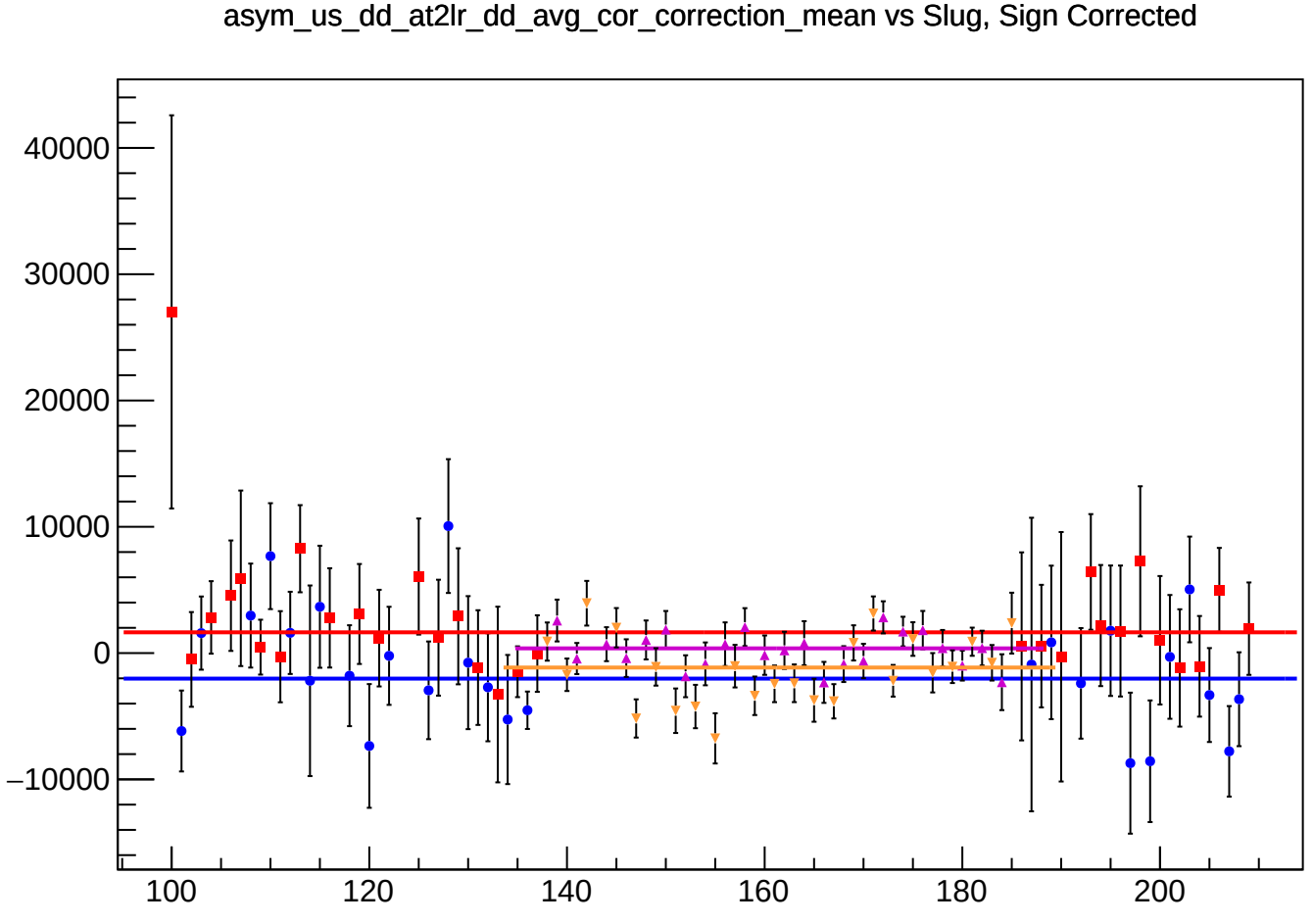
Right: -232.251+/-376.631 χ^2/NDF: 42.8/56

In: -677.096+/-365.817 χ^2/NDF:32.8/49

Out: -90.440+/-360.049 χ^2/NDF:53.6/53

All: -379.106+/-256.608 χ^2/NDF: 87.7/103


cor_asym_us_dd_at2lr_dd_avg_rms vs Slug, Sign Corrected
3400
3200
3000
2800
2600
2400
2200
2000
1800
100
120
140
160
180
200
Right In: 2137.675+/-0.381 χ²/NDF: 215374.5/26
Left Out: 2124.437+/-0.349 χ²/NDF:89184.0/23
Right Out: 2147.107+/-0.372 χ²/NDF: 198025.9/29
Left In: 2129.897+/-0.352 χ²/NDF:85354.4/22
Left: 2127.144+/-0.248 χ²/NDF: 174659.7/46
Right: 2142.506+/-0.266 χ²/NDF: 413713.8/56
In: 2133.476+/-0.259 χ²/NDF:300953.6/49
Out: 2135.049+/-0.255 χ²/NDF:289184.0/53
All: 2134.275+/-0.181 χ²/NDF: 590156.4/103



Right In: -2021.158+/-732.035 χ^2/NDF: 32.6/26

Left Out: -1144.779+/-302.490 χ^2/NDF:67.5/23

Right Out: 1644.315+/-718.994 χ^2/NDF: 17.0/29

Left In: 373.186+/-305.379 χ^2/NDF:20.3/22

Left: -393.009+/-214.907 χ^2/NDF: 100.3/46

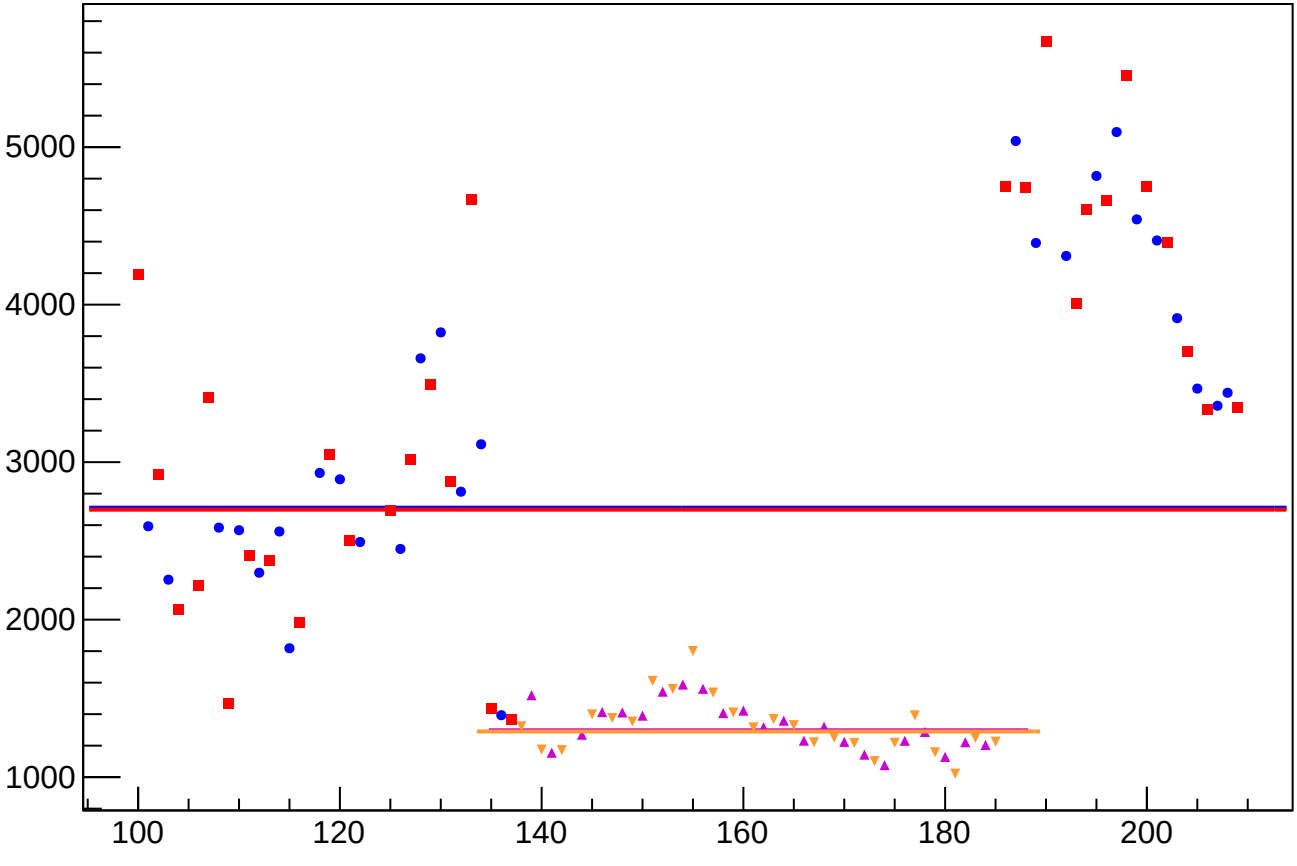
Right: -155.481+/-512.954 χ^2/NDF: 62.4/56

In: 18.273+/-281.838 χ^2/NDF:62.0/49

Out: -725.350+/-278.820 χ^2/NDF:97.3/53

All: -357.542+/-198.214 χ^2/NDF: 162.9/103

asym_us_dd_at2lr_dd_avg_cor_correction_rms vs Slug, Sign Corrected



Right In: 2710.777+/-0.518 χ^2/NDF: 4049120.3/26

Left Out: 1290.041+/-0.214 χ^2/NDF:567883.5/23

Right Out: 2698.329+/-0.508 χ^2/NDF: 5056628.2/29

Left In: 1297.458+/-0.216 χ^2/NDF:434006.2/22

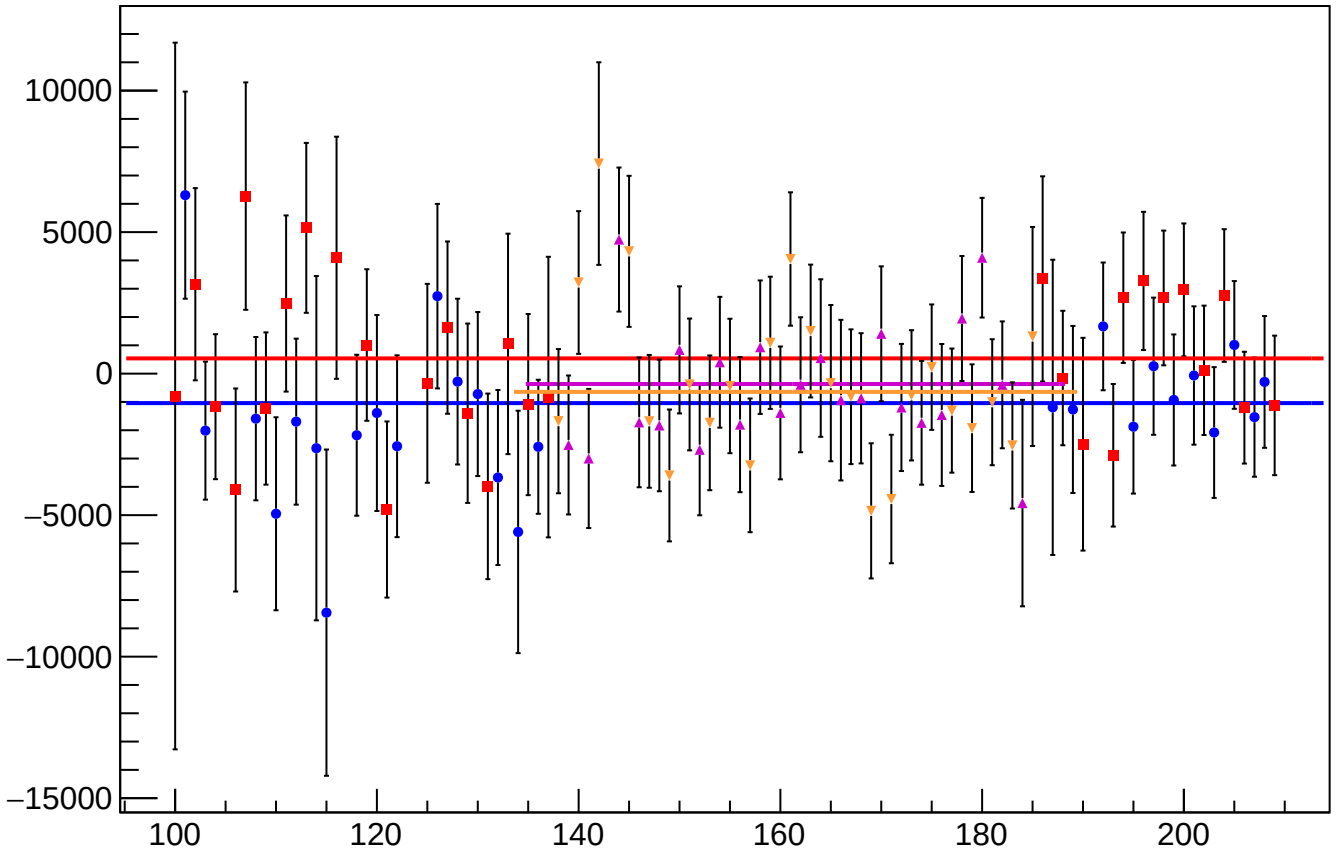
Left: 1293.714+/-0.152 χ^2/NDF: 1002485.3/46

Right: 2704.441+/-0.363 χ^2/NDF: 9106042.8/56

In: 1506.954+/-0.199 χ^2/NDF:10833055.0/49

Out: 1501.822+/-0.197 χ^2/NDF:12143589.2/53

All: 1504.360+/-0.140 χ^2/NDF: 22976979.2/1



Right In: -1041.272+/-539.263 χ^2/NDF: 14.6/26

Left Out: -643.673+/-493.681 χ^2/NDF:27.1/23

Right Out: 538.195+/-526.250 χ^2/NDF: 23.8/29

Left In: -366.649+/-497.896 χ^2/NDF:17.3/22

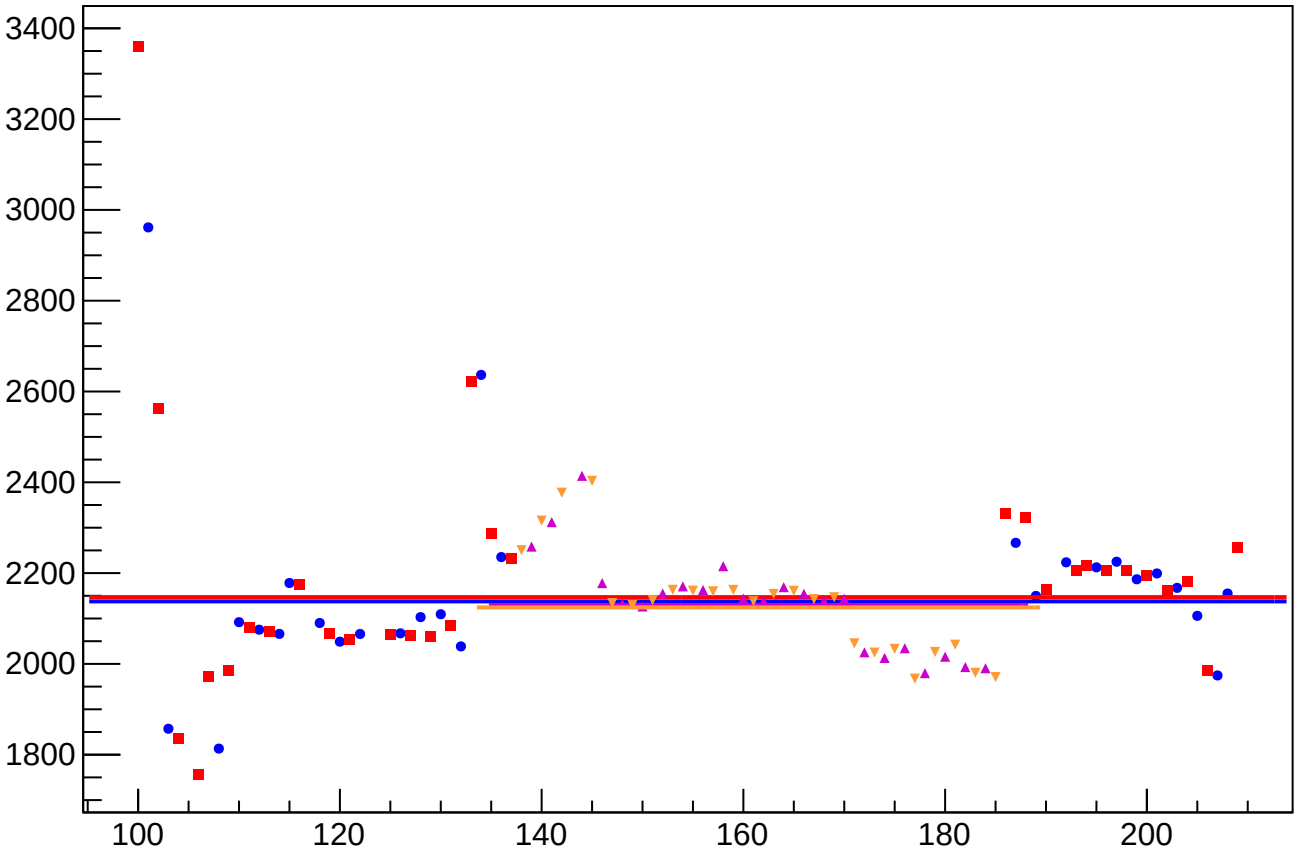
Left: -506.339+/-350.566 χ^2/NDF: 44.6/46

Right: -232.251+/-376.631 χ^2/NDF: 42.8/56

In: -677.096+/-365.817 χ^2/NDF:32.8/49

Out: -90.440+/-360.049 χ^2/NDF:53.6/53

All: -379.106+/-256.608 χ^2/NDF: 87.7/103



Right In: 2137.675+/-0.381 χ^2/NDF: 215374.5/26

Left Out: 2124.437+/-0.349 χ^2/NDF:89184.0/23

Right Out: 2147.107+/-0.372 χ^2/NDF: 198025.9/29

Left In: 2129.897+/-0.352 χ^2/NDF:85354.4/22

Left: 2127.144+/-0.248 χ^2/NDF: 174659.7/46

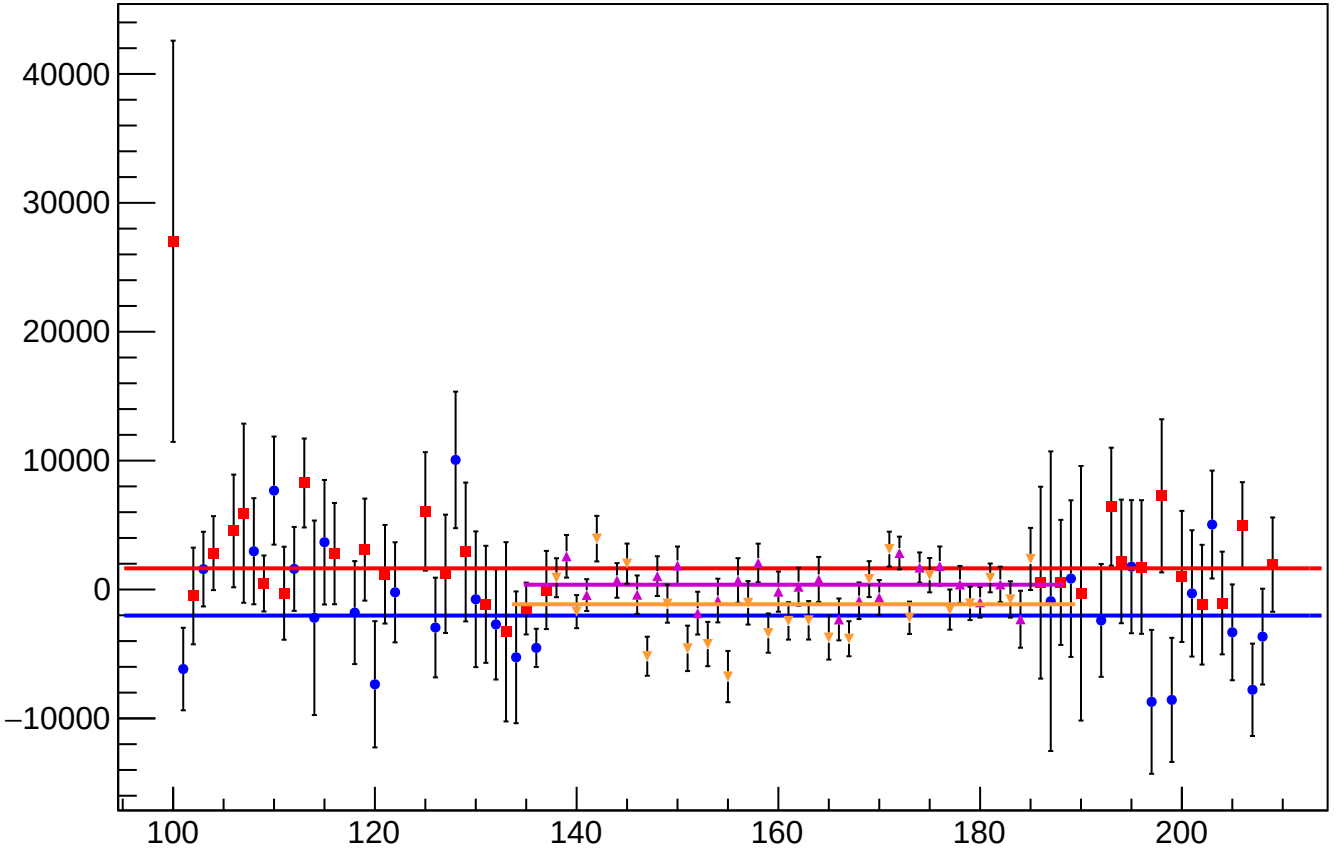
Right: 2142.506+/-0.266 χ^2/NDF: 413713.8/56

In: 2133.476+/-0.259 χ^2/NDF:300953.6/49

Out: 2135.049+/-0.255 χ^2/NDF:289184.0/53

All: 2134.275+/-0.181 χ^2/NDF: 590156.4/103

asym_us_dd_at2lr_dd_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -2021.158+/-732.035 χ^2/NDF: 32.6/26

Left Out: -1144.779+/-302.490 χ^2/NDF:67.5/23

Right Out: 1644.315+/-718.994 χ^2/NDF: 17.0/29

Left In: 373.186+/-305.379 χ^2/NDF:20.3/22

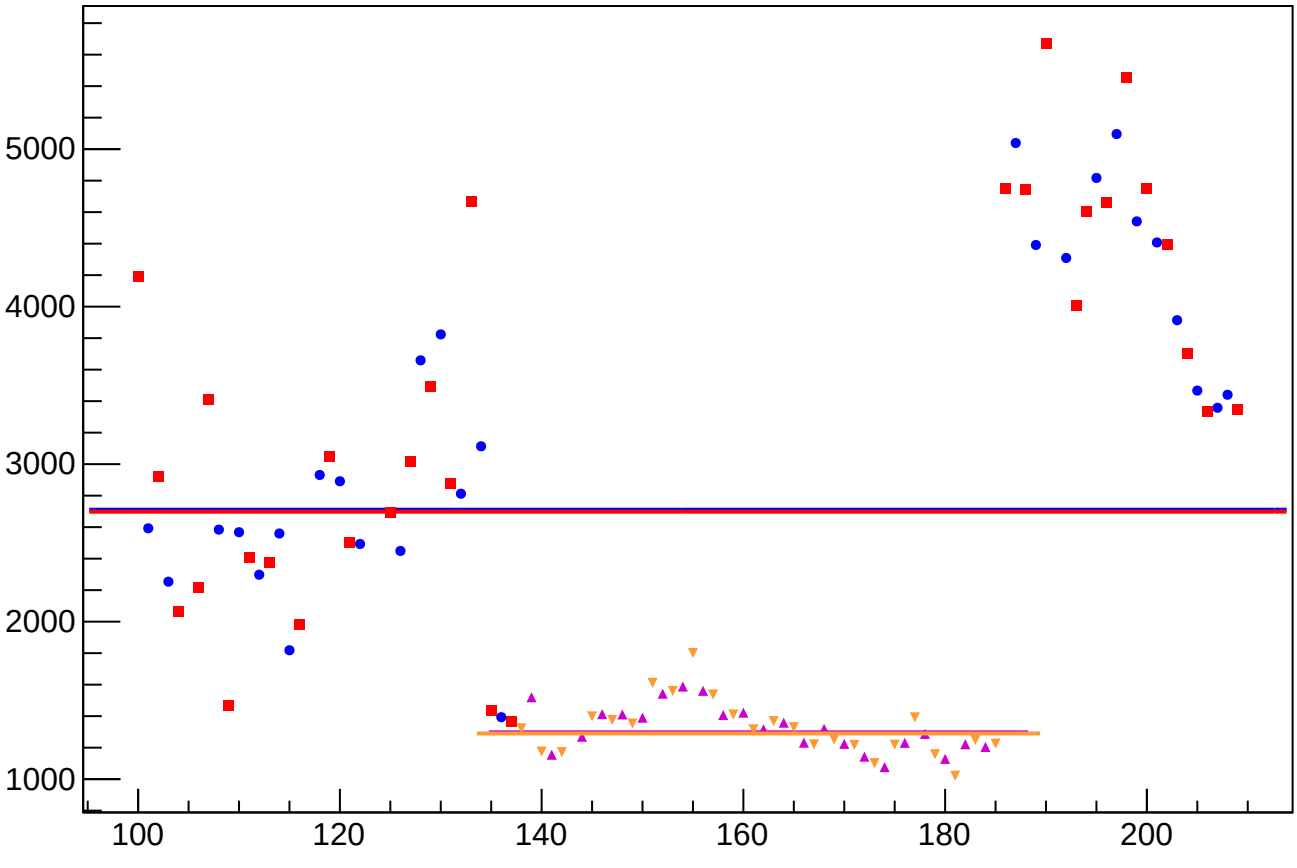
Left: -393.009+/-214.907 χ^2/NDF: 100.3/46

Right: -155.481+/-512.954 χ^2/NDF: 62.4/56

In: 18.273+/-281.838 χ^2/NDF:62.0/49

Out: -725.350+/-278.820 χ^2/NDF:97.3/53

All: -357.542+/-198.214 χ^2/NDF: 162.9/103



Right In: 2710.777+/-0.518 χ^2/NDF: 4049120.3/26

Left Out: 1290.041+/-0.214 χ^2/NDF:567883.5/23

Right Out: 2698.329+/-0.508 χ^2/NDF: 5056628.2/29

Left In: 1297.458+/-0.216 χ^2/NDF:434006.2/22

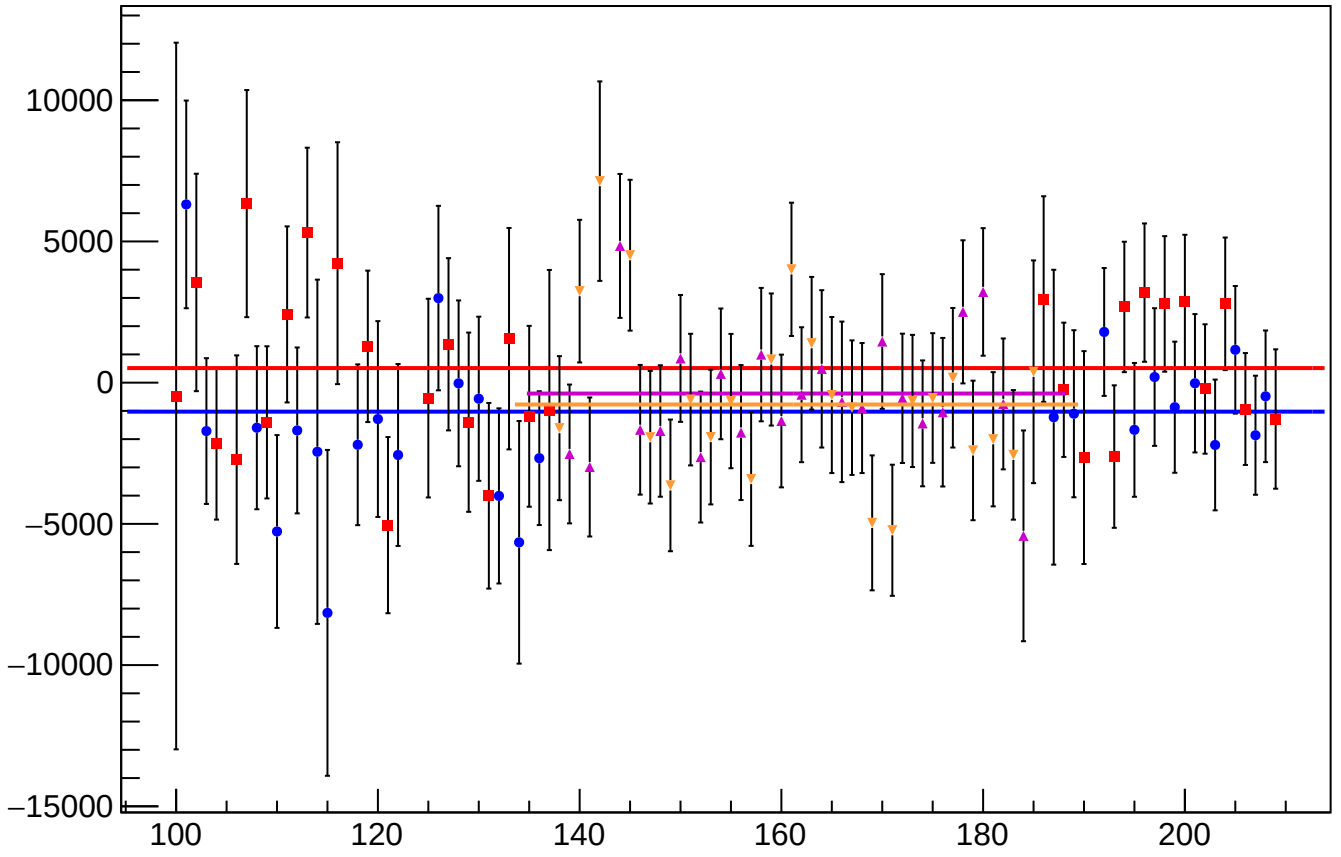
Left: 1293.714+/-0.152 χ^2/NDF: 1002485.3/46

Right: 2704.441+/-0.363 χ^2/NDF: 9106042.8/56

In: 1506.954+/-0.199 χ^2/NDF:10833055.0/49

Out: 1501.822+/-0.197 χ^2/NDF:12143589.2/53

All: 1504.360+/-0.140 χ^2/NDF: 22976979.2/1



Right In: -1026.572+/-541.750 χ^2/NDF: 15.4/26

Left Out: -773.579+/-502.816 χ^2/NDF:28.6/23

Right Out: 516.049+/-530.152 χ^2/NDF: 23.7/29

Left In: -385.269+/-506.052 χ^2/NDF:15.6/22

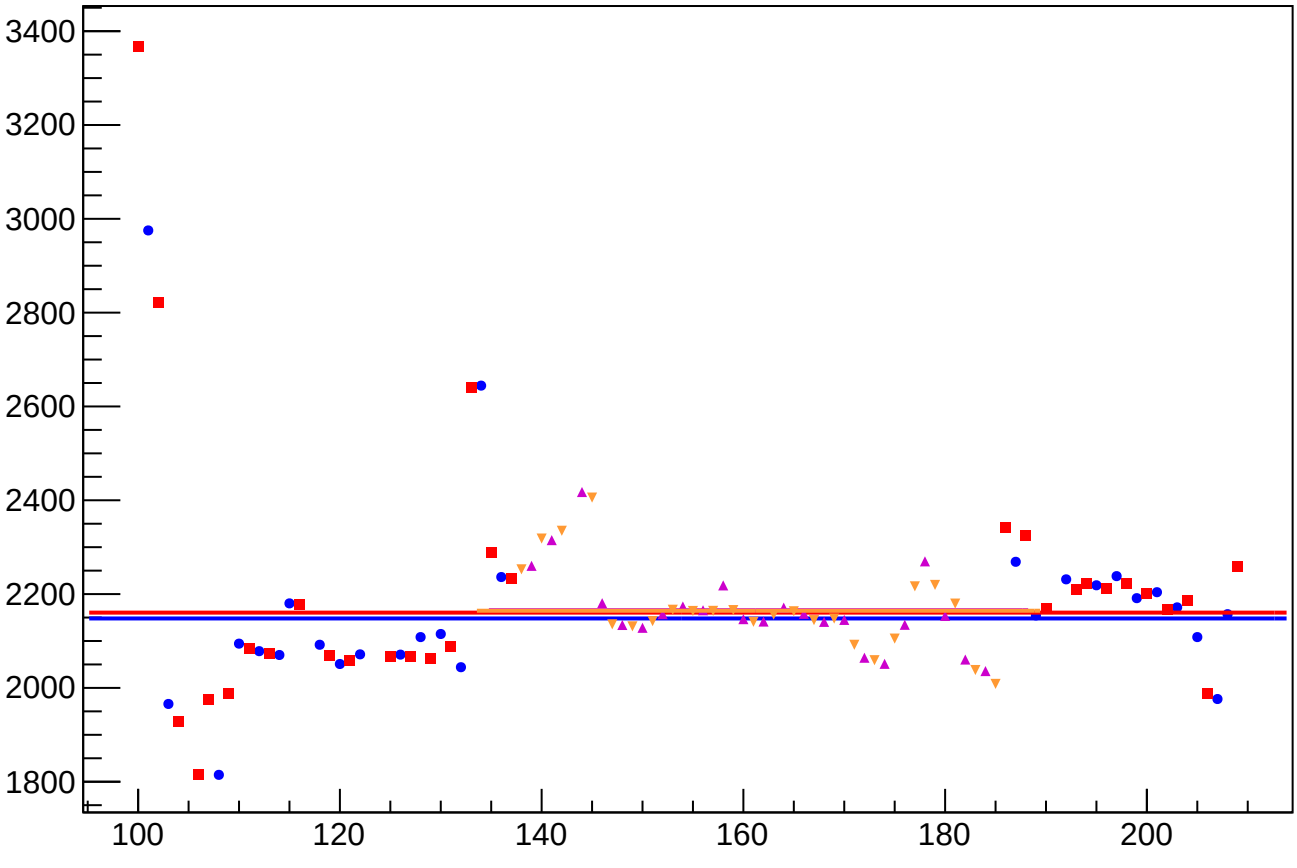
Left: -580.670+/-356.683 χ^2/NDF: 44.5/46

Right: -238.572+/-378.908 χ^2/NDF: 43.2/56

In: -684.097+/-369.810 χ^2/NDF:31.8/49

Out: -162.868+/-364.826 χ^2/NDF:55.4/53

All: -419.947+/-259.715 χ^2/NDF: 88.1/103



Right In: 2148.029+/-0.383 χ^2/NDF: 201016.8/26

Left Out: 2164.532+/-0.356 χ^2/NDF:50676.3/23

Right Out: 2160.492+/-0.375 χ^2/NDF: 207539.8/29

Left In: 2165.643+/-0.358 χ^2/NDF:52124.5/22

Left: 2165.084+/-0.252 χ^2/NDF: 102805.6/46

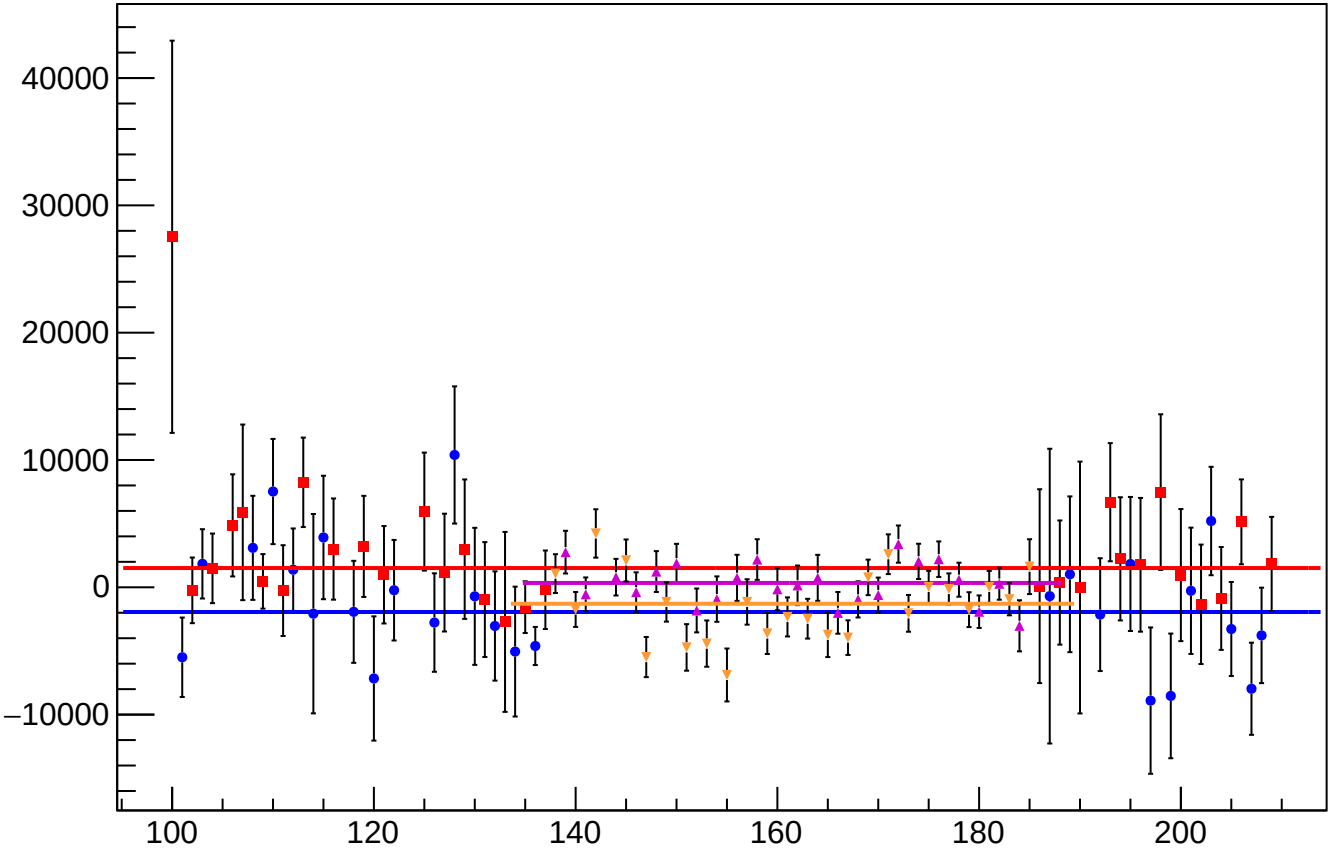
Right: 2154.395+/-0.268 χ^2/NDF: 409097.3/56

In: 2157.436+/-0.261 χ^2/NDF:254270.3/49

Out: 2162.619+/-0.258 χ^2/NDF:258277.2/53

All: 2160.062+/-0.184 χ^2/NDF: 512746.7/103

asym_us_dd_at2lr_dd_avg_dit_correction_mean vs Slug, Sign Corrected



Right In: -1940.054+/-732.705 χ^2/NDF: 32.9/26

Left Out: -1293.716+/-310.622 χ^2/NDF:58.7/23

Right Out: 1513.198+/-704.174 χ^2/NDF: 17.4/29

Left In: 341.259+/-315.566 χ^2/NDF:24.8/22

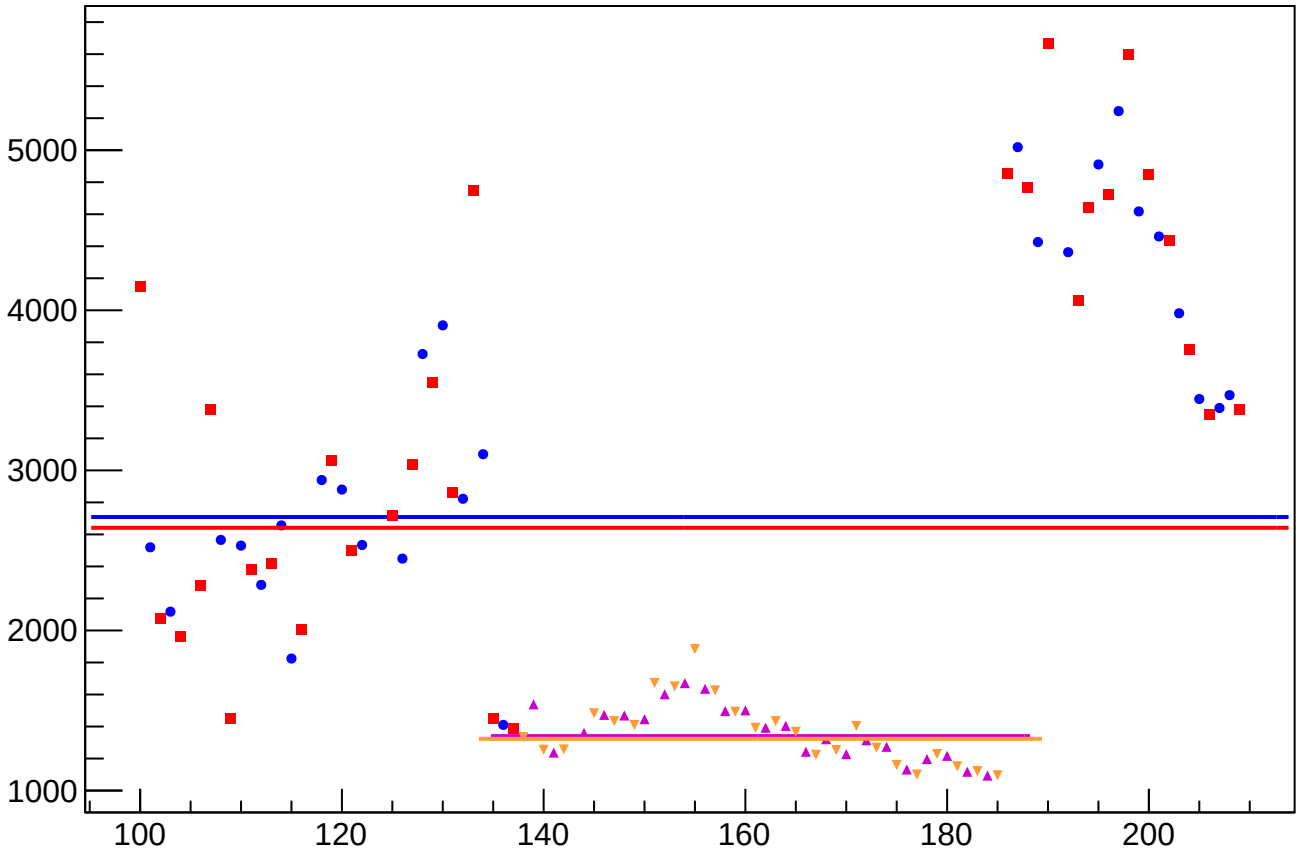
Left: -489.137+/-221.370 χ^2/NDF: 97.1/46

Right: -144.885+/-507.713 χ^2/NDF: 61.9/56

In: -15.692+/-289.829 χ^2/NDF:65.9/49

Out: -836.504+/-284.200 χ^2/NDF:89.4/53

All: -434.146+/-202.920 χ^2/NDF: 159.4/103



Right In: 2708.642+/-0.518 χ^2/NDF: 4137044.6/26

Left Out: 1323.402+/-0.220 χ^2/NDF:663859.2/23

Right Out: 2641.528+/-0.498 χ^2/NDF: 5289130.6/29

Left In: 1340.084+/-0.223 χ^2/NDF:494267.4/22

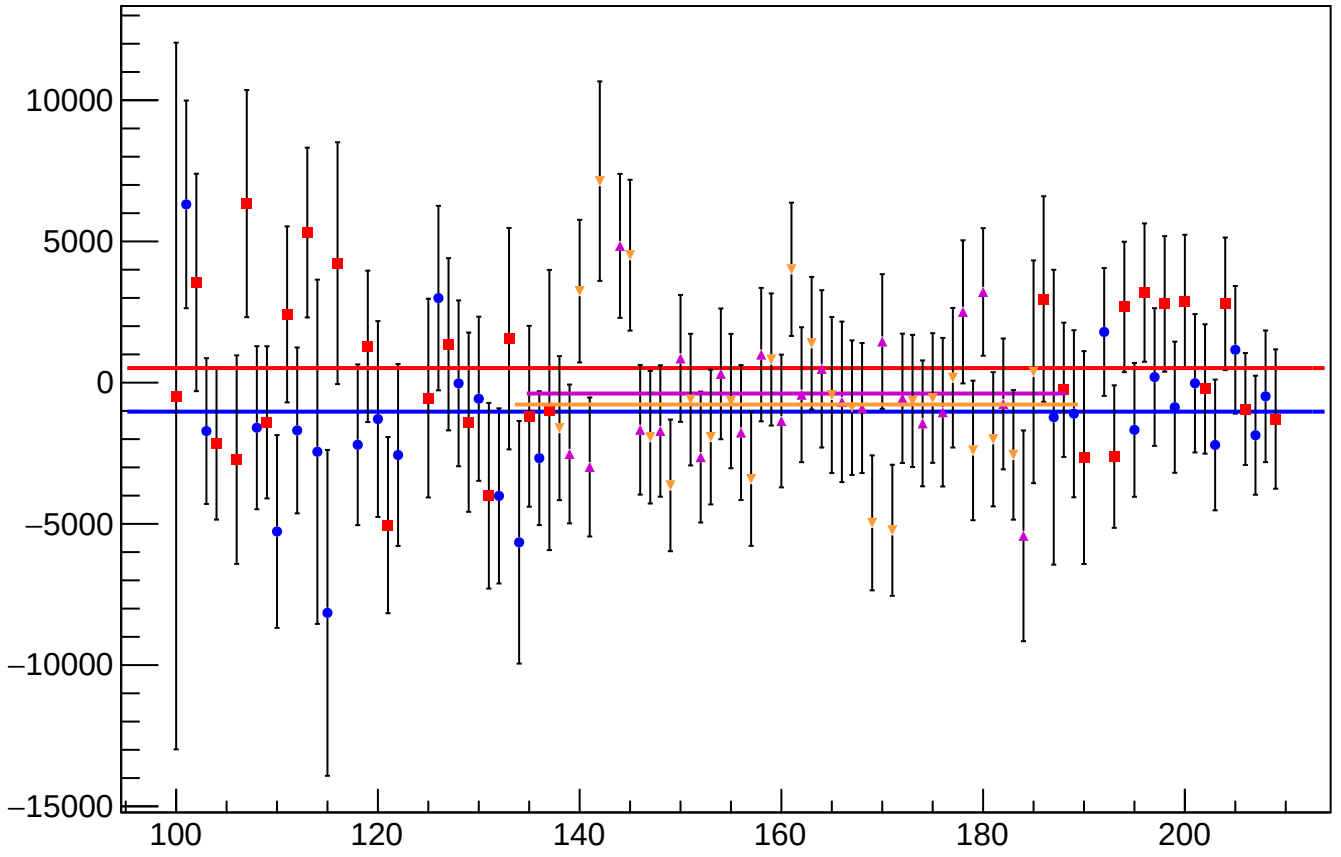
Left: 1331.612+/-0.157 χ^2/NDF: 1160965.4/46

Right: 2673.753+/-0.359 χ^2/NDF: 9434898.2/56

In: 1554.219+/-0.205 χ^2/NDF:10517030.0/49

Out: 1538.109+/-0.201 χ^2/NDF:11819343.7/53

All: 1546.006+/-0.143 χ^2/NDF: 22339524.0/



Right In: -1026.569+/-541.750 χ^2/NDF: 15.4/26

Left Out: -773.576+/-502.816 χ^2/NDF:28.6/23

Right Out: 516.047+/-530.152 χ^2/NDF: 23.7/29

Left In: -385.269+/-506.052 χ^2/NDF:15.6/22

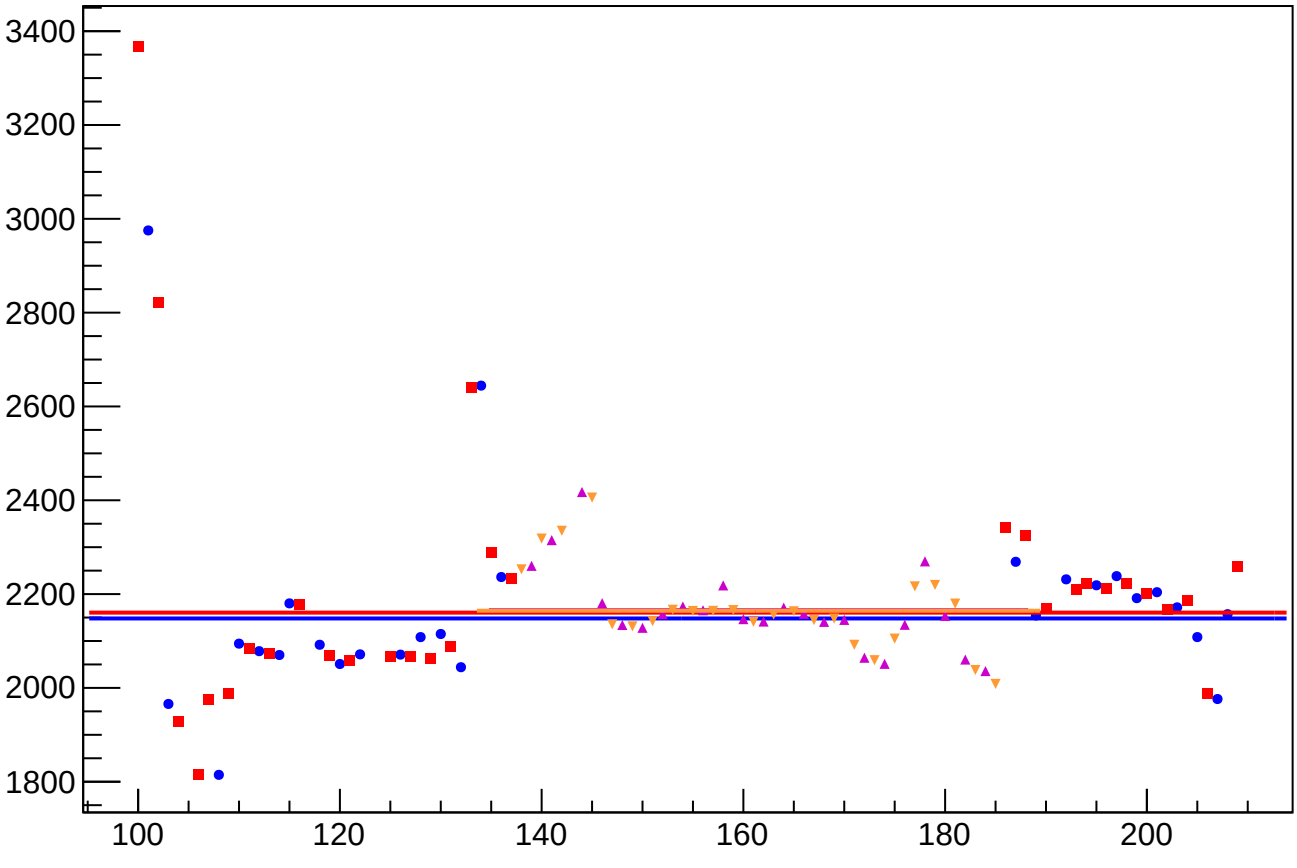
Left: -580.668+/-356.683 χ^2/NDF: 44.5/46

Right: -238.571+/-378.908 χ^2/NDF: 43.2/56

In: -684.096+/-369.809 χ^2/NDF:31.8/49

Out: -162.868+/-364.826 χ^2/NDF:55.4/53

All: -419.946+/-259.715 χ^2/NDF: 88.1/103



Right In: 2148.029+/-0.383 χ^2/NDF: 201016.7/26

Left Out: 2164.532+/-0.356 χ^2/NDF:50676.3/23

Right Out: 2160.492+/-0.375 χ^2/NDF: 207539.7/29

Left In: 2165.643+/-0.358 χ^2/NDF:52124.4/22

Left: 2165.084+/-0.252 χ^2/NDF: 102805.6/46

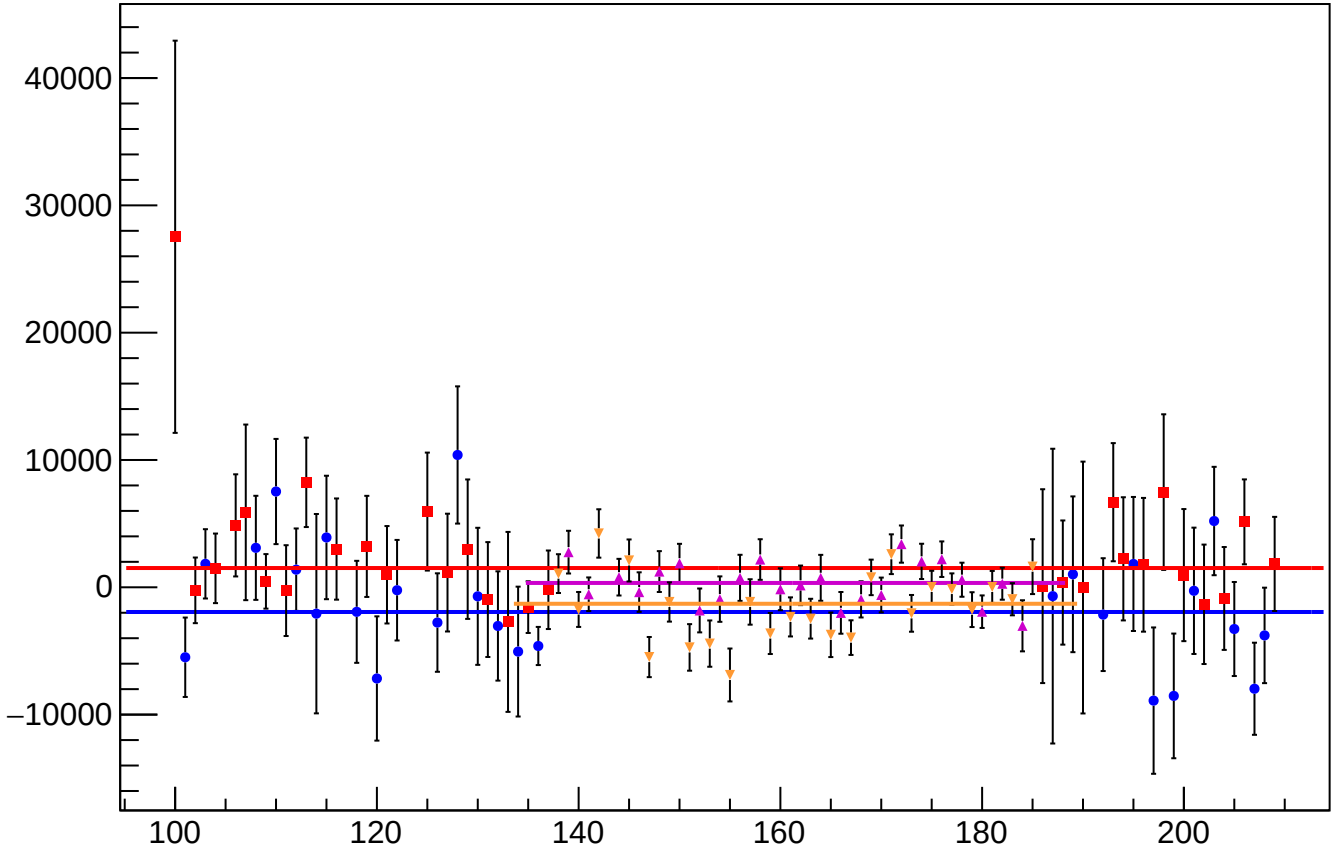
Right: 2154.395+/-0.268 χ^2/NDF: 409097.1/56

In: 2157.435+/-0.261 χ^2/NDF:254270.2/49

Out: 2162.618+/-0.258 χ^2/NDF:258277.2/53

All: 2160.062+/-0.184 χ^2/NDF: 512746.5/103

asym_us_dd_at2lr_dd_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -1940.047+/-732.707 χ^2/NDF: 32.9/26

Left Out: -1293.717+/-310.622 χ^2/NDF:58.7/23

Right Out: 1513.212+/-704.176 χ^2/NDF: 17.4/29

Left In: 341.256+/-315.566 χ^2/NDF:24.8/22

Left: -489.138+/-221.370 χ^2/NDF: 97.1/46

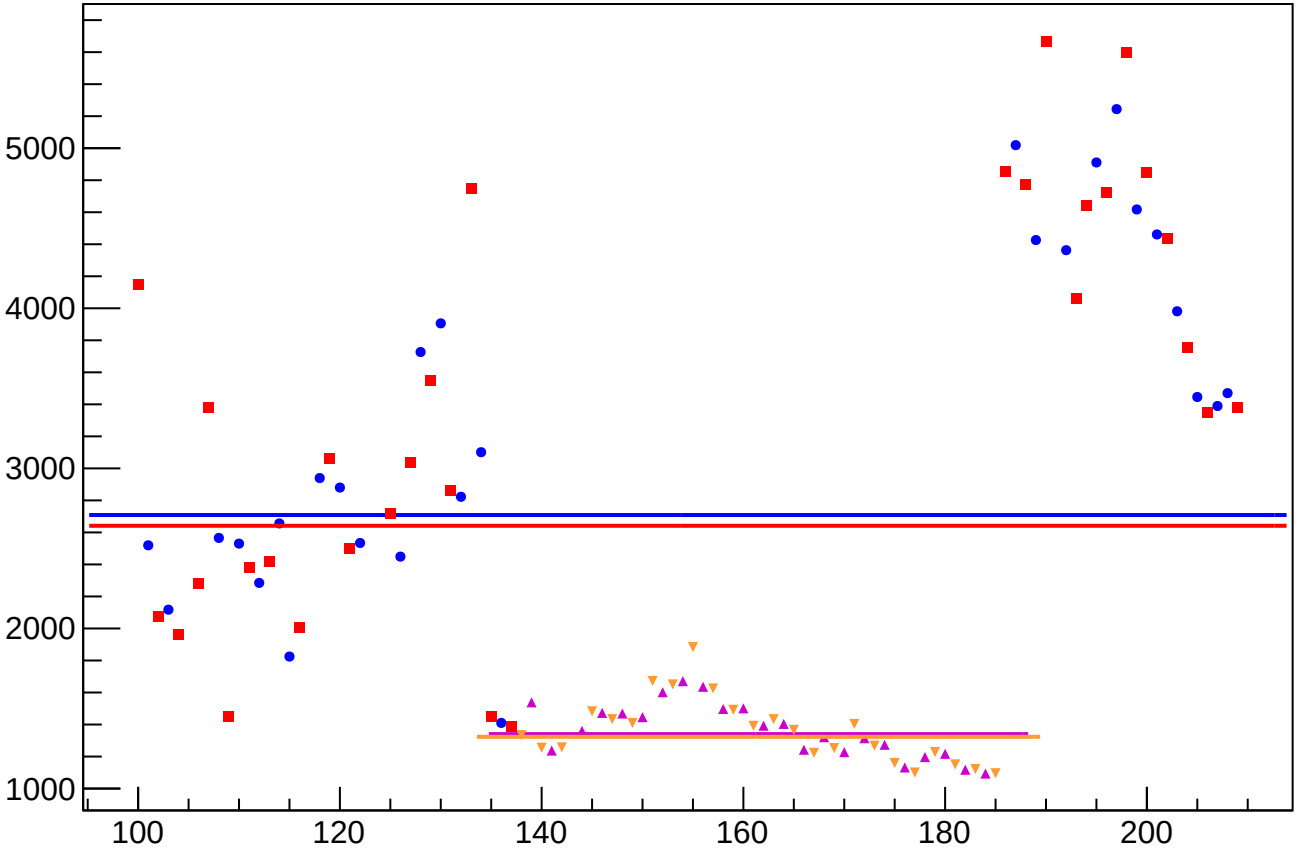
Right: -144.875+/-507.714 χ^2/NDF: 61.9/56

In: -15.691+/-289.828 χ^2/NDF:65.9/49

Out: -836.505+/-284.200 χ^2/NDF:89.4/53

All: -434.146+/-202.920 χ^2/NDF: 159.4/103

asym_us_dd_at2lr_dd_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 2708.653+/-0.518 χ^2/NDF: 4136948.1/26

Left Out: 1323.402+/-0.220 χ^2/NDF:663857.6/23

Right Out: 2641.541+/-0.498 χ^2/NDF: 5289041.2/29

Left In: 1340.083+/-0.223 χ^2/NDF:494276.1/22

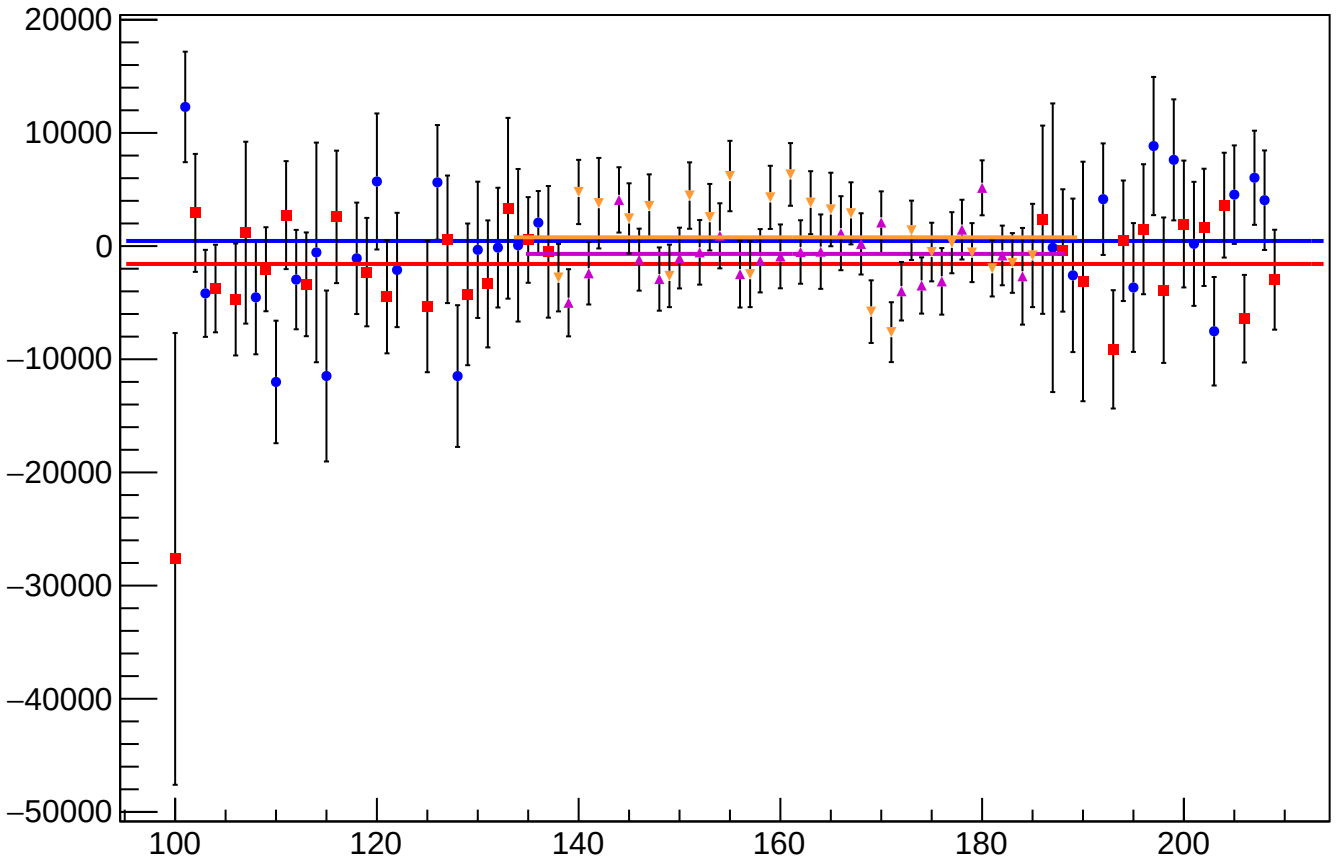
Left: 1331.611+/-0.157 χ^2/NDF: 1160972.0/46

Right: 2673.765+/-0.359 χ^2/NDF: 9434712.0/56

In: 1554.218+/-0.205 χ^2/NDF:10517028.6/49

Out: 1538.110+/-0.201 χ^2/NDF:11819333.8/53

All: 1546.006+/-0.143 χ^2/NDF: 22339512.2/1



Right In: 453.259+/-976.144 χ^2/NDF: 34.0/26

Left Out: 774.788+/-583.692 χ^2/NDF:39.3/23

Right Out: -1578.441+/-957.511 χ^2/NDF: 13.4/29

Left In: -689.981+/-587.431 χ^2/NDF:18.3/22

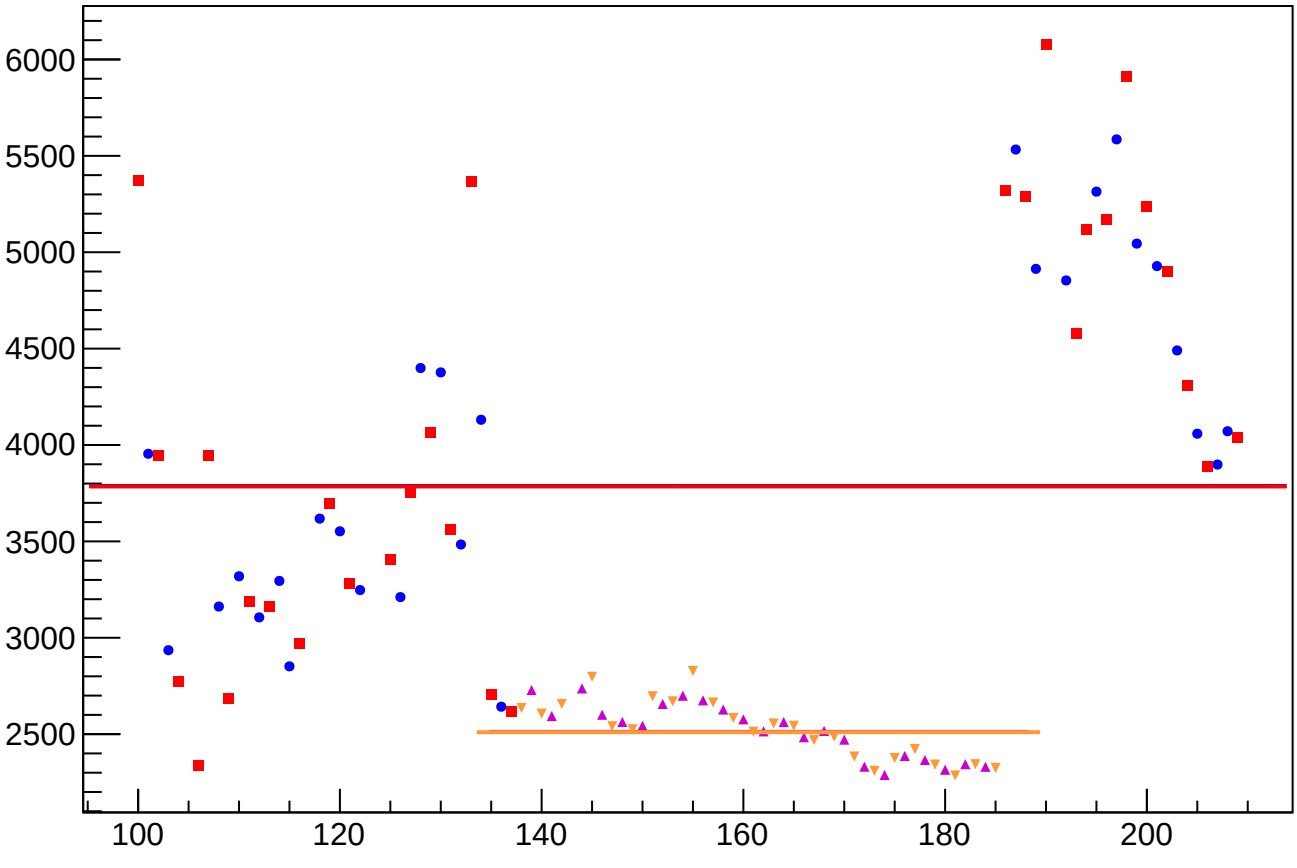
Left: 47.079+/-414.048 χ^2/NDF: 60.8/46

Right: -582.167+/-683.555 χ^2/NDF: 49.6/56

In: -386.033+/-503.320 χ^2/NDF:53.3/49

Out: 137.236+/-498.390 χ^2/NDF:57.1/53

All: -121.823+/-354.145 χ^2/NDF: 111.0/103



Right In: 3787.086+/-0.690 χ^2/NDF: 1430317.1/26

Left Out: 2510.069+/-0.413 χ^2/NDF:128632.5/23

Right Out: 3785.122+/-0.677 χ^2/NDF: 2048360.5/29

Left In: 2511.613+/-0.415 χ^2/NDF:113485.5/22

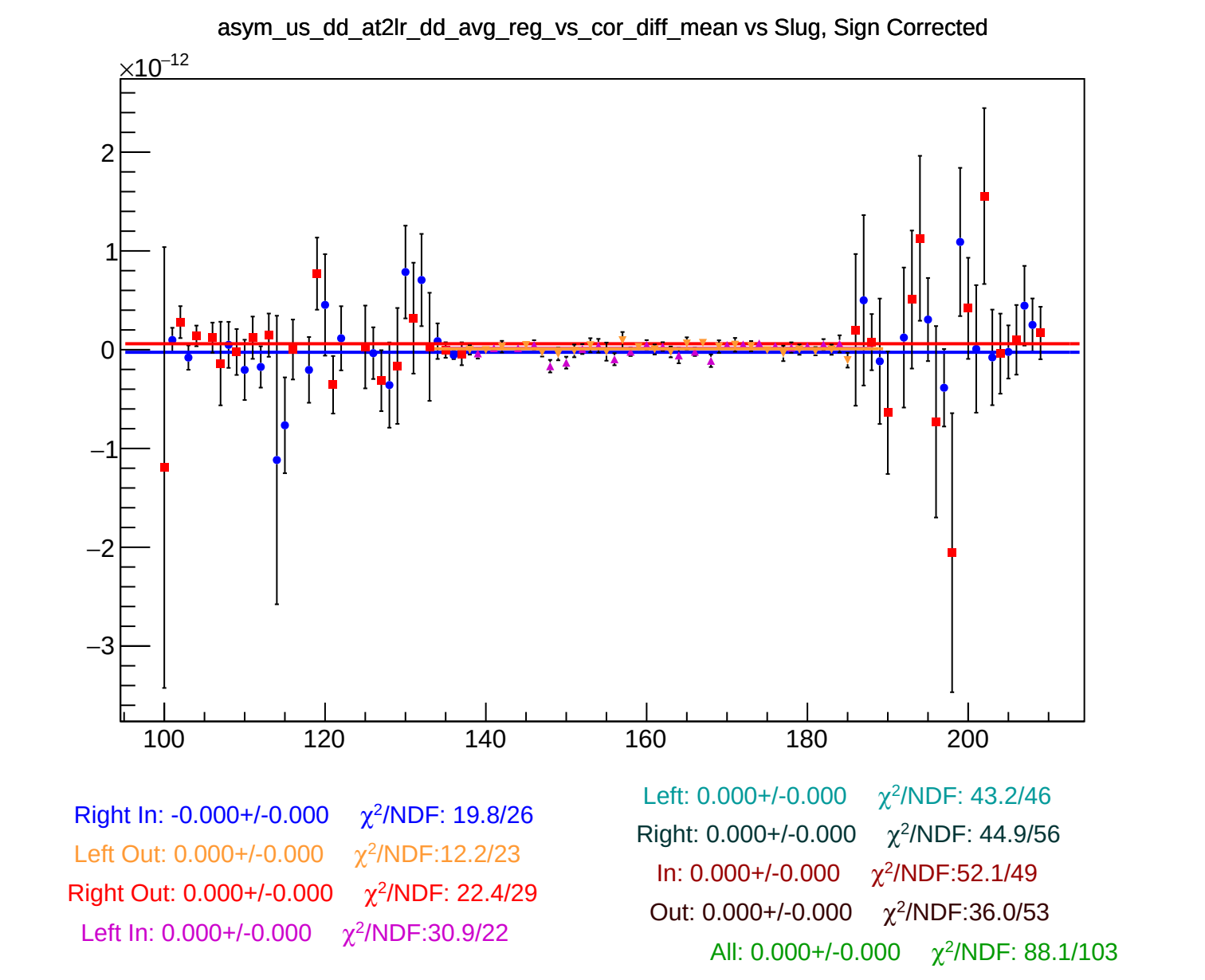
Left: 2510.836+/-0.293 χ^2/NDF: 242124.9/46

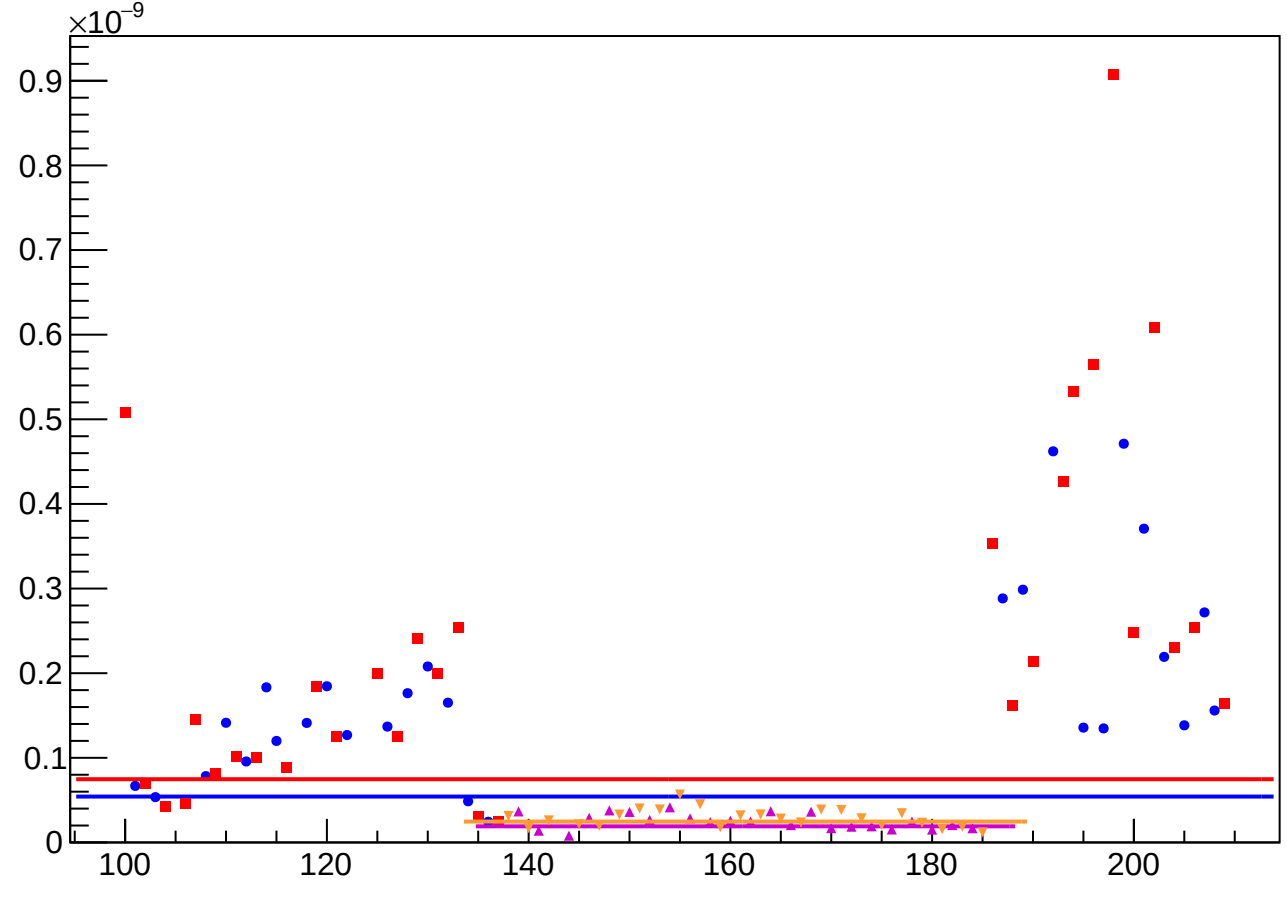
Right: 3786.085+/-0.483 χ^2/NDF: 3478681.7/56

In: 2850.717+/-0.356 χ^2/NDF:4050614.1/49

Out: 2855.519+/-0.352 χ^2/NDF:4762679.3/53

All: 2853.142+/-0.250 χ^2/NDF: 8813385.4/10


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
Right In: -0.000+/-0.000 χ²/NDF: 19.8/26
Left Out: 0.000+/-0.000 χ²/NDF:12.2/23
Right Out: 0.000+/-0.000 χ²/NDF: 22.4/29
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: 44.9/56
In: 0.000+/-0.000 χ²/NDF:52.1/49
Out: 0.000+/-0.000 χ²/NDF:36.0/53
All: 0.000+/-0.000 χ²/NDF: 88.1/103



Right In: 0.000+/-0.000 χ^2/NDF: 6076286.4/26

Left Out: 0.000+/-0.000 χ^2/NDF:1413212.9/23

Right Out: 0.000+/-0.000 χ^2/NDF: 7252486.3/29

Left In: 0.000+/-0.000 χ^2/NDF:2190334.0/22

Left: 0.000+/-0.000 χ^2/NDF: 3972817.3/46

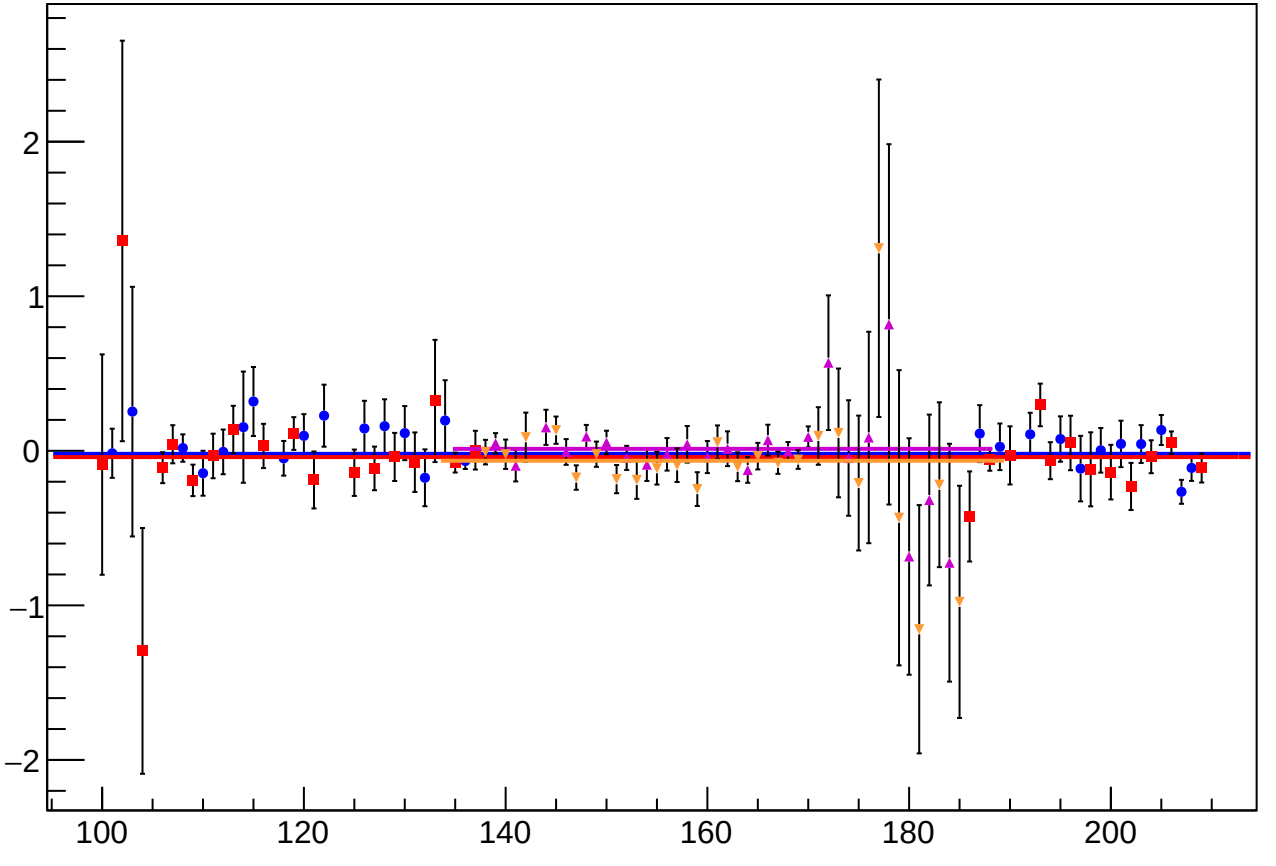
Right: 0.000+/-0.000 χ^2/NDF: 13628754.6/56

In: 0.000+/-0.000 χ^2/NDF:10373453.1/49

Out: 0.000+/-0.000 χ^2/NDF:11446414.1/53

All: 0.000+/-0.000 χ^2/NDF: 22297806.8/103

asym_us_dd_at2lr_dd_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.020+/-0.024 χ^2/NDF: 26.8/26

Left Out: -0.064+/-0.022 χ^2/NDF:22.3/23

Right Out: -0.041+/-0.023 χ^2/NDF: 25.4/29

Left In: 0.013+/-0.021 χ^2/NDF:15.0/22

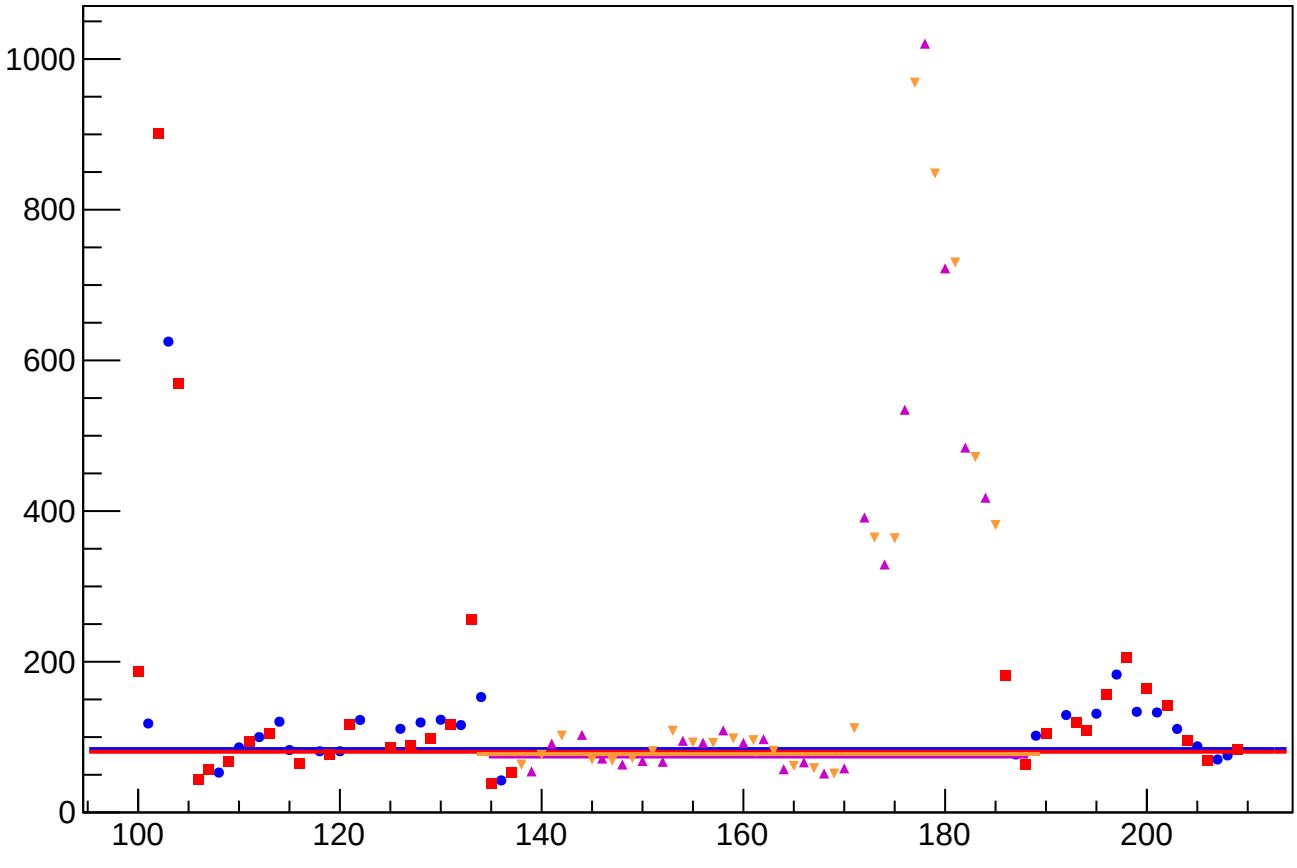
Left: -0.024+/-0.015 χ^2/NDF: 43.7/46

Right: -0.031+/-0.017 χ^2/NDF: 52.6/56

In: -0.001+/-0.016 χ^2/NDF:42.8/49

Out: -0.053+/-0.016 χ^2/NDF:48.3/53

All: -0.027+/-0.011 χ^2/NDF: 96.4/103



Right In: 84.113+/-0.017 χ^2/NDF: 4589079.0/26

Left Out: 77.533+/-0.016 χ^2/NDF:8331194.0/23

Right Out: 80.618+/-0.016 χ^2/NDF: 6045607.9/29

Left In: 74.216+/-0.015 χ^2/NDF:8514080.5/22

Left: 75.800+/-0.011 χ^2/NDF: 16868814.0/46

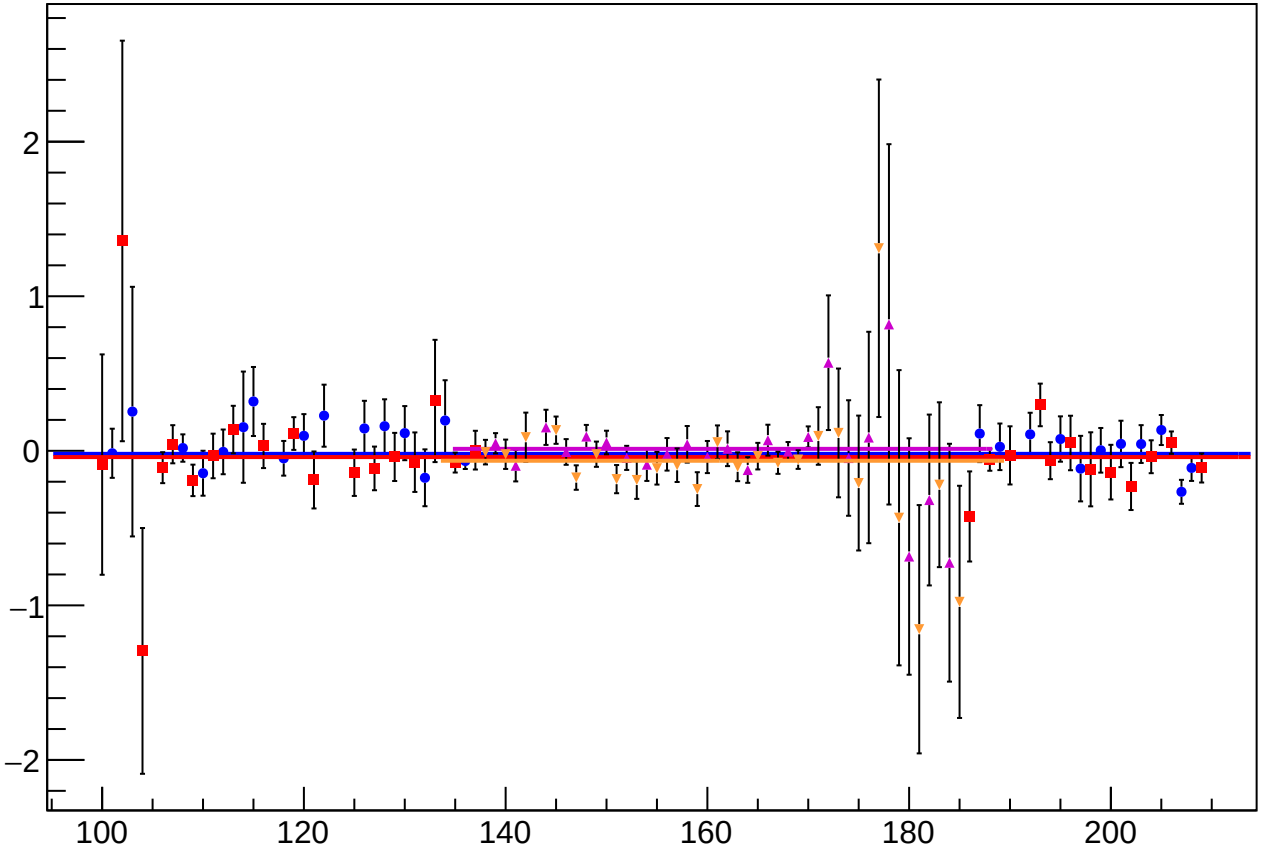
Right: 82.295+/-0.012 χ^2/NDF: 10656657.2/56

In: 78.526+/-0.011 χ^2/NDF:13294321.7/49

Out: 79.008+/-0.011 χ^2/NDF:14395418.9/53

All: 78.765+/-0.008 χ^2/NDF: 27690656.6/103

asym_us_dd_at2lr_dd_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.020+/-0.024 χ^2/NDF: 26.8/26

Left Out: -0.064+/-0.022 χ^2/NDF:22.3/23

Right Out: -0.041+/-0.023 χ^2/NDF: 25.4/29

Left In: 0.013+/-0.021 χ^2/NDF:15.0/22

Left: -0.024+/-0.015 χ^2/NDF: 43.7/46

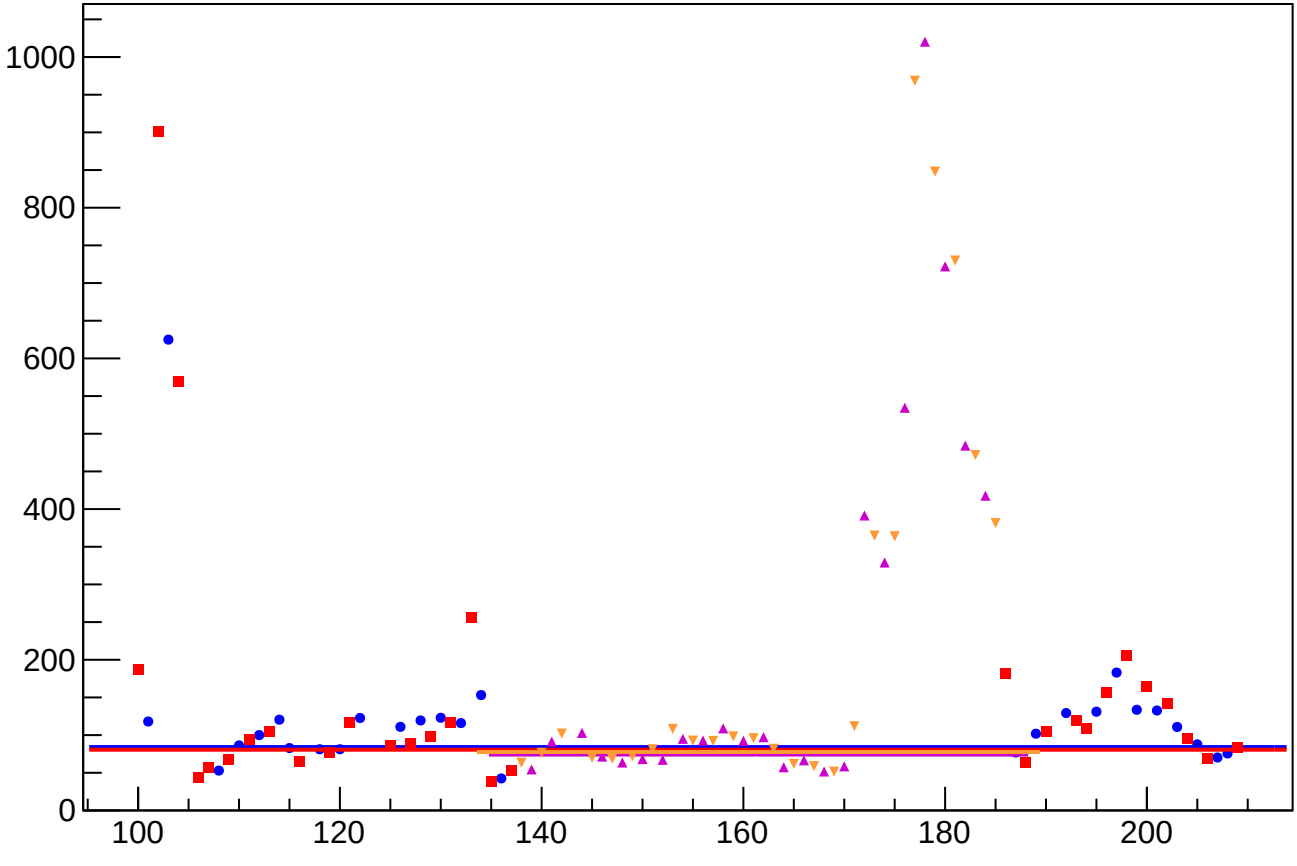
Right: -0.031+/-0.017 χ^2/NDF: 52.6/56

In: -0.001+/-0.016 χ^2/NDF:42.8/49

Out: -0.053+/-0.016 χ^2/NDF:48.3/53

All: -0.027+/-0.011 χ^2/NDF: 96.4/103

asym_us_dd_at2lr_dd_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 84.113+/-0.017 χ^2/NDF: 4589079.0/26

Left Out: 77.533+/-0.016 χ^2/NDF:8331194.0/23

Right Out: 80.618+/-0.016 χ^2/NDF: 6045607.9/29

Left In: 74.216+/-0.015 χ^2/NDF:8514080.5/22

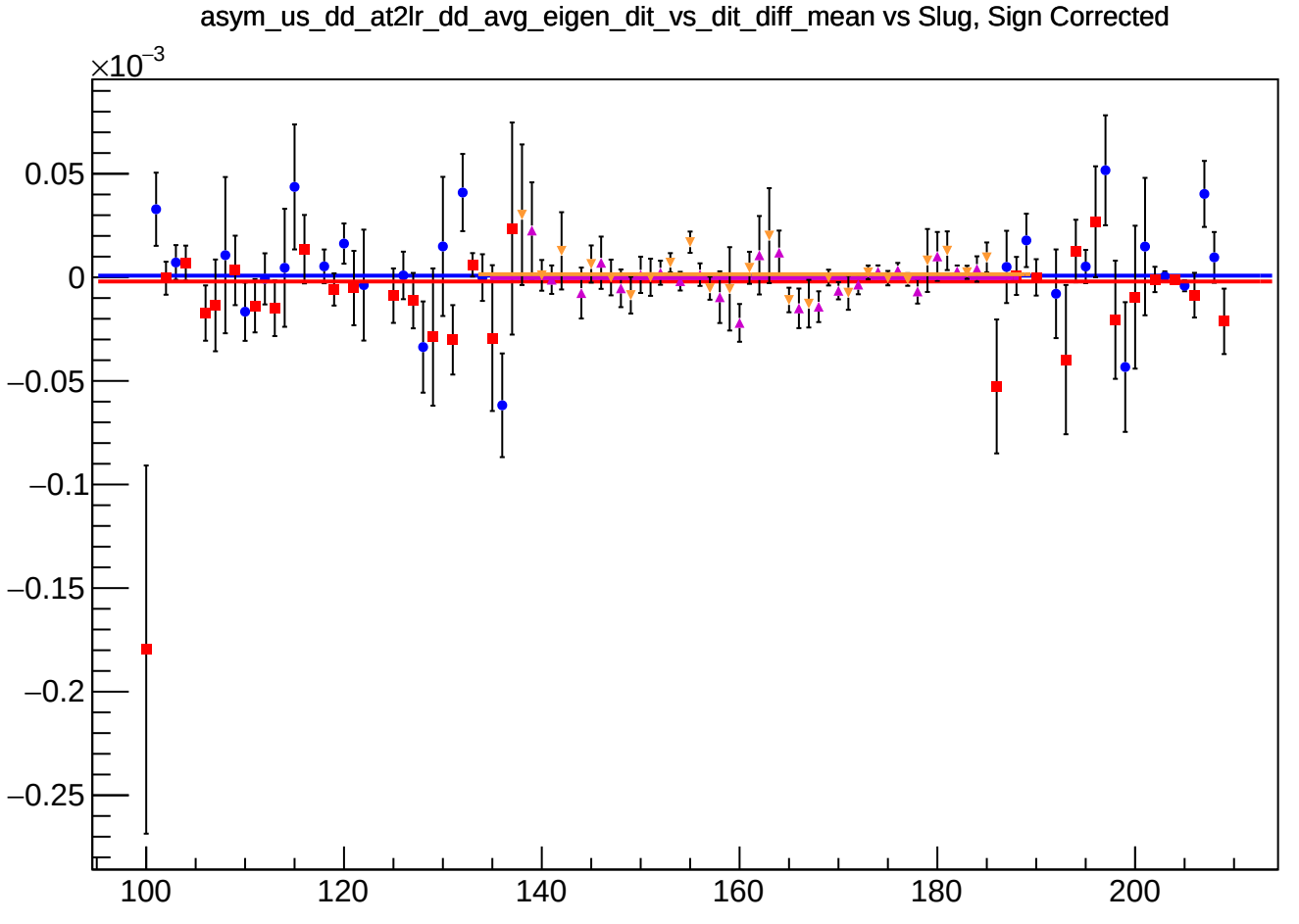
Left: 75.800+/-0.011 χ^2/NDF: 16868814.0/46

Right: 82.295+/-0.012 χ^2/NDF: 10656657.2/56

In: 78.526+/-0.011 χ^2/NDF:13294321.7/49

Out: 79.008+/-0.011 χ^2/NDF:14395418.9/53

All: 78.765+/-0.008 χ^2/NDF: 27690656.6/103



Right In: 0.000+/-0.000 χ^2/NDF: 42.0/26

Left Out: 0.000+/-0.000 χ^2/NDF:27.1/23

Right Out: -0.000+/-0.000 χ^2/NDF: 25.1/29

Left In: -0.000+/-0.000 χ^2/NDF:24.6/22

Left: 0.000+/-0.000 χ^2/NDF: 52.9/46

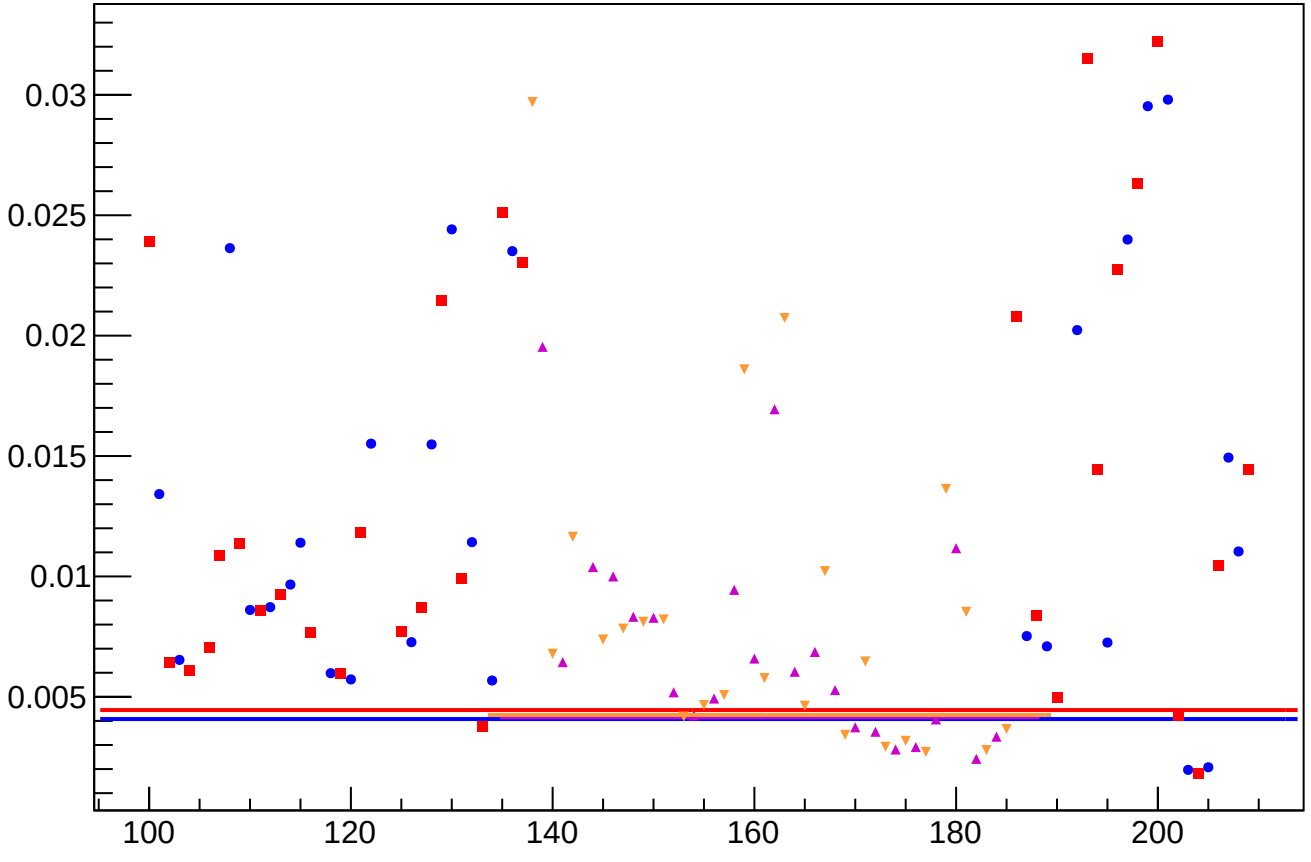
Right: -0.000+/-0.000 χ^2/NDF: 68.8/56

In: 0.000+/-0.000 χ^2/NDF:67.0/49

Out: 0.000+/-0.000 χ^2/NDF:55.5/53

All: 0.000+/-0.000 χ^2/NDF: 122.5/103

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: 14892853.0/26

Left Out: 0.004+/-0.000 χ^2/NDF:8650909.7/23

Right Out: 0.004+/-0.000 χ^2/NDF: 14748645.8/29

Left In: 0.004+/-0.000 χ^2/NDF:6886421.5/22

Left: 0.004+/-0.000 χ^2/NDF: 15543472.1/46

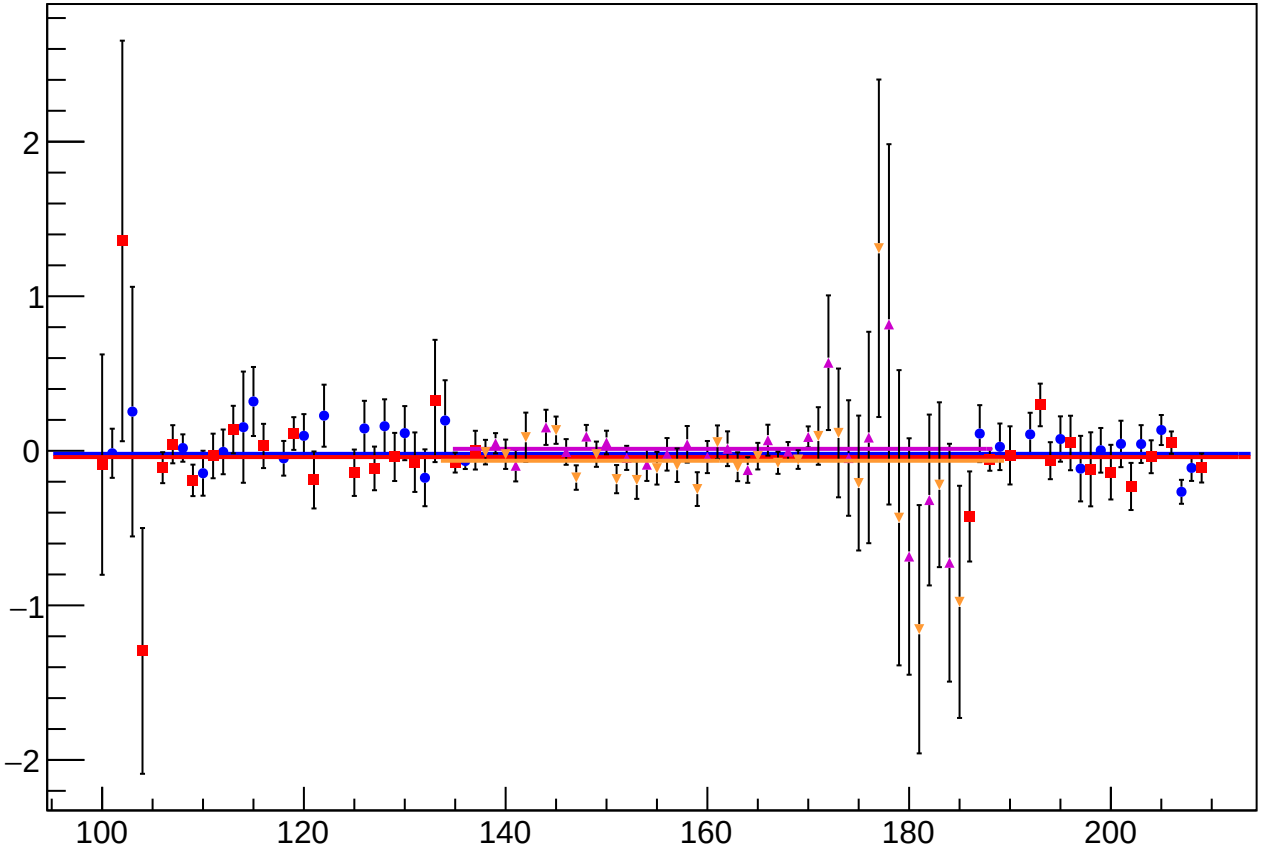
Right: 0.004+/-0.000 χ^2/NDF: 29700936.1/56

In: 0.004+/-0.000 χ^2/NDF:21782347.0/49

Out: 0.004+/-0.000 χ^2/NDF:23422631.7/53

All: 0.004+/-0.000 χ^2/NDF: 45248794.7/103

asym_us_dd_at2lr_dd_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.020+/-0.024 χ^2/NDF: 26.8/26

Left Out: -0.064+/-0.022 χ^2/NDF:22.3/23

Right Out: -0.041+/-0.023 χ^2/NDF: 25.4/29

Left In: 0.013+/-0.021 χ^2/NDF:15.0/22

Left: -0.024+/-0.015 χ^2/NDF: 43.7/46

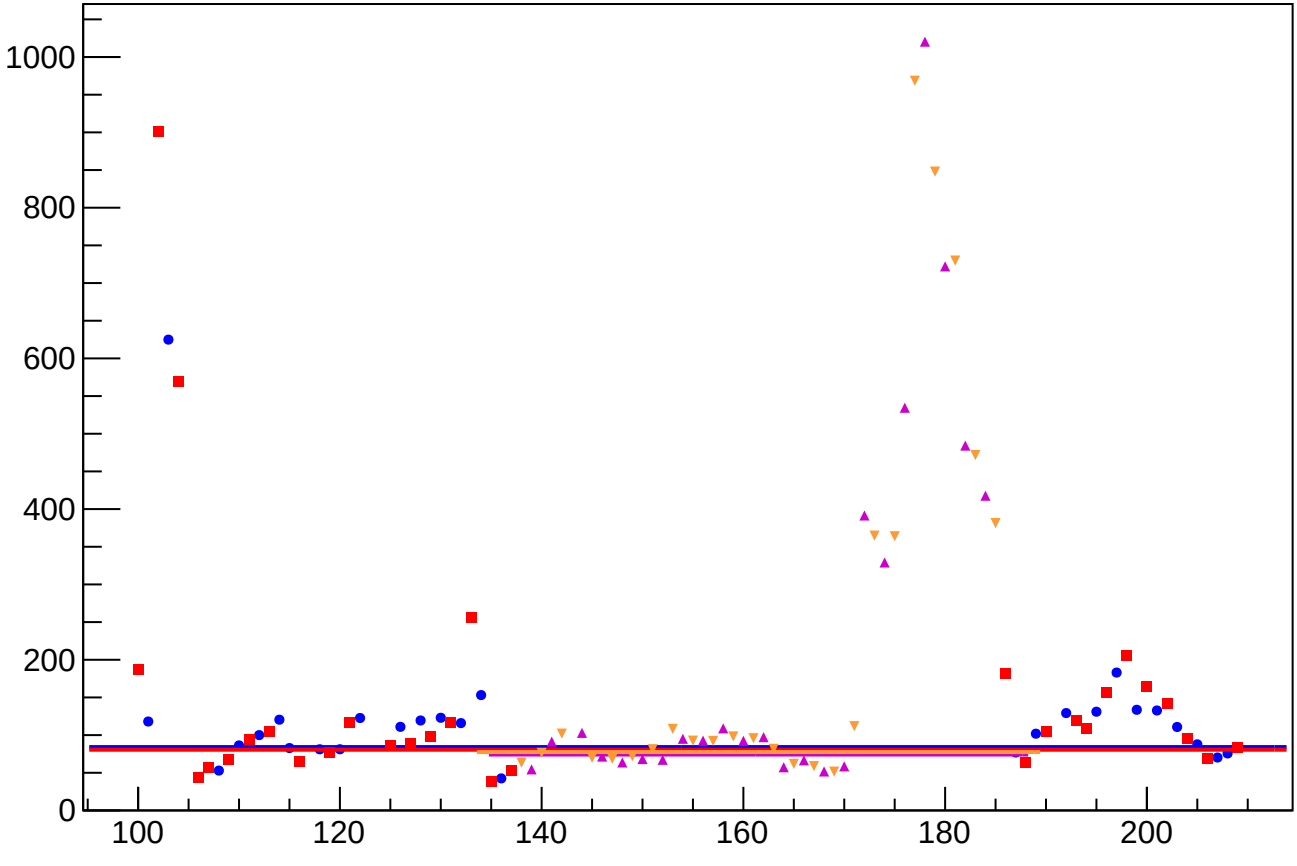
Right: -0.031+/-0.017 χ^2/NDF: 52.6/56

In: -0.001+/-0.016 χ^2/NDF:42.8/49

Out: -0.053+/-0.016 χ^2/NDF:48.3/53

All: -0.027+/-0.011 χ^2/NDF: 96.4/103

asym_us_dd_at2lr_dd_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 84.128+/-0.017 χ^2/NDF: 4585706.7/26

Left Out: 77.533+/-0.016 χ^2/NDF:8331106.7/23

Right Out: 80.611+/-0.016 χ^2/NDF: 6047194.5/29

Left In: 74.217+/-0.015 χ^2/NDF:8513791.3/22

Left: 75.800+/-0.011 χ^2/NDF: 16868415.3/46

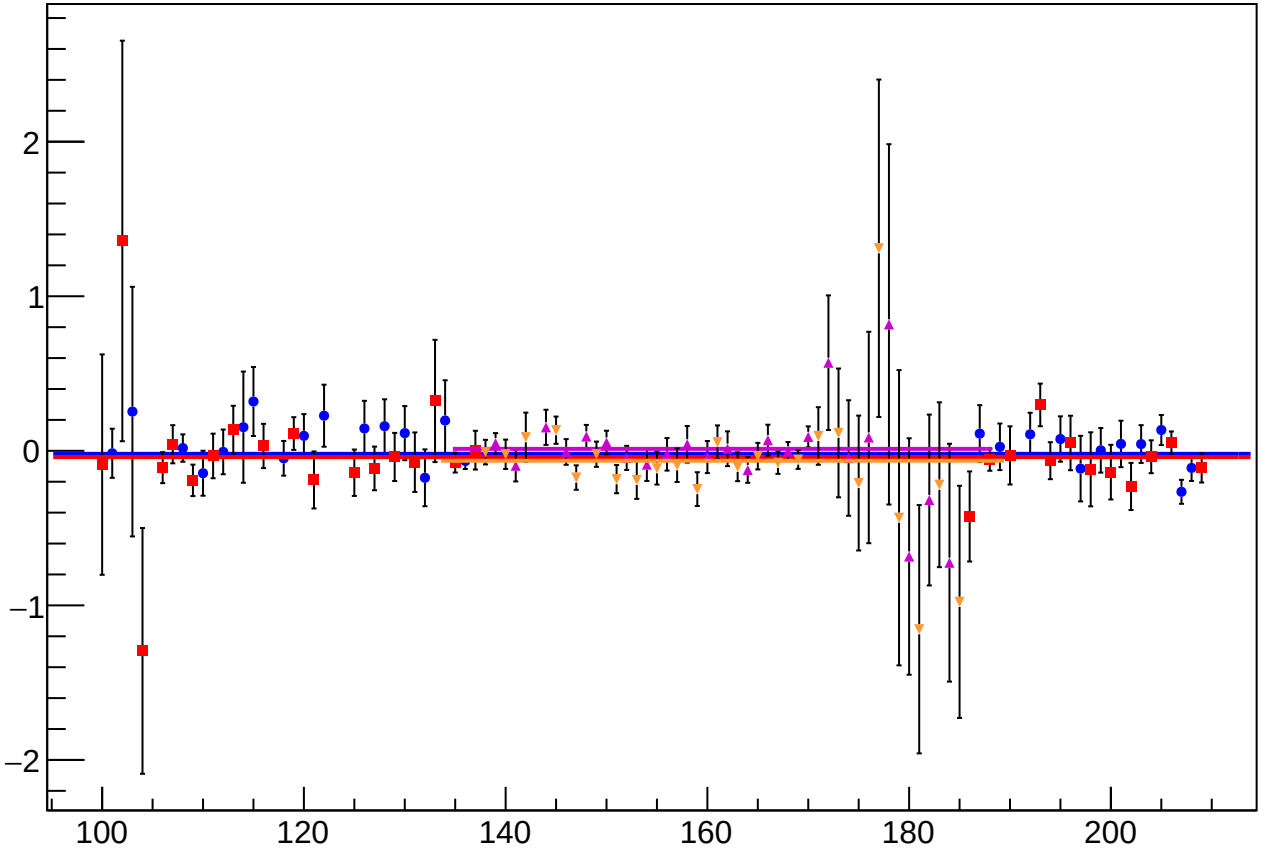
Right: 82.298+/-0.012 χ^2/NDF: 10655149.6/56

In: 78.533+/-0.011 χ^2/NDF:13291192.1/49

Out: 79.005+/-0.011 χ^2/NDF:14396843.9/53

All: 78.767+/-0.008 χ^2/NDF: 27688913.3/103

asym_us_dd_at2lr_dd_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.020+/-0.024 χ^2/NDF: 26.8/26

Left Out: -0.064+/-0.022 χ^2/NDF:22.3/23

Right Out: -0.041+/-0.023 χ^2/NDF: 25.4/29

Left In: 0.013+/-0.021 χ^2/NDF:15.0/22

Left: -0.024+/-0.015 χ^2/NDF: 43.7/46

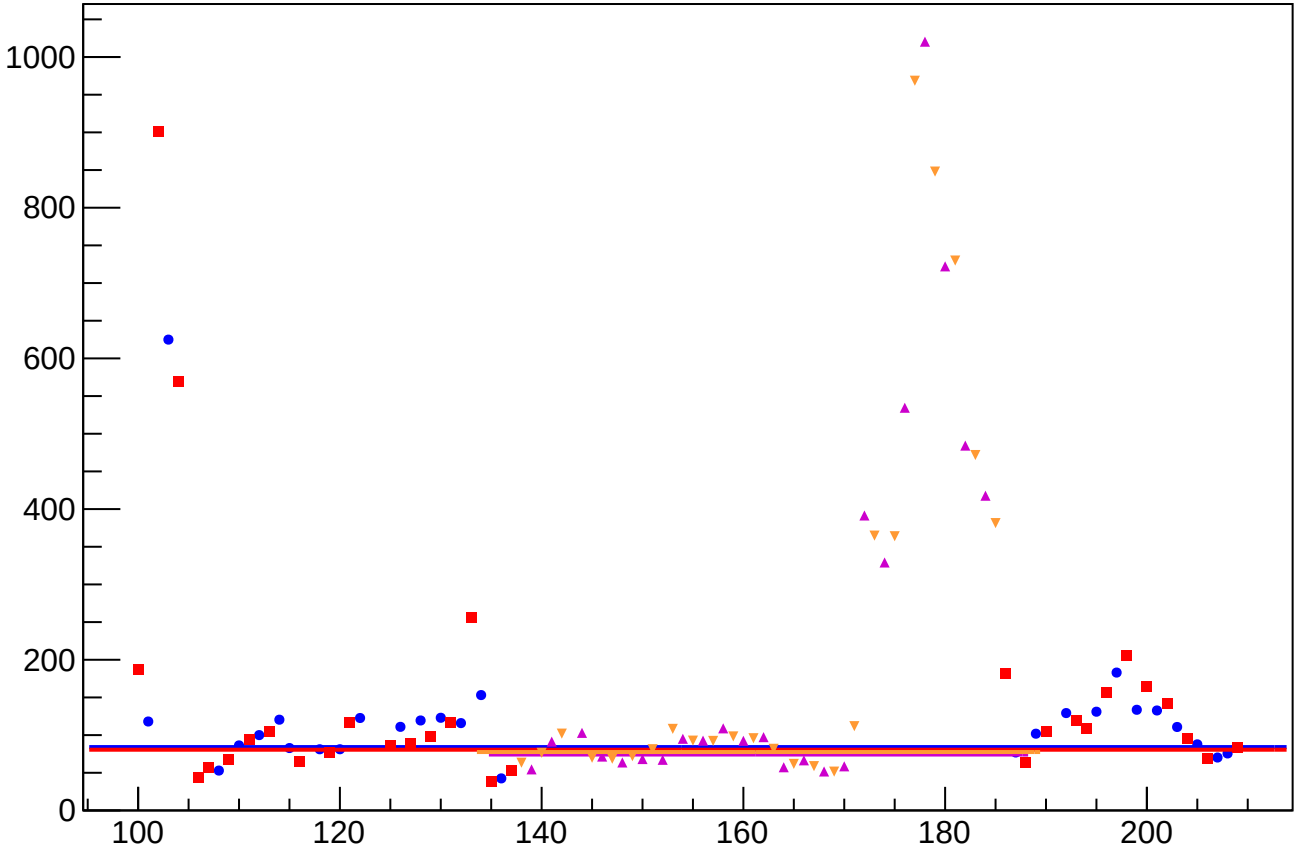
Right: -0.031+/-0.017 χ^2/NDF: 52.6/56

In: -0.001+/-0.016 χ^2/NDF:42.8/49

Out: -0.053+/-0.016 χ^2/NDF:48.3/53

All: -0.027+/-0.011 χ^2/NDF: 96.4/103

asym_us_dd_at2lr_dd_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 84.128+/-0.017 χ^2/NDF: 4585706.7/26

Left Out: 77.533+/-0.016 χ^2/NDF:8331106.7/23

Right Out: 80.611+/-0.016 χ^2/NDF: 6047194.5/29

Left In: 74.217+/-0.015 χ^2/NDF:8513791.3/22

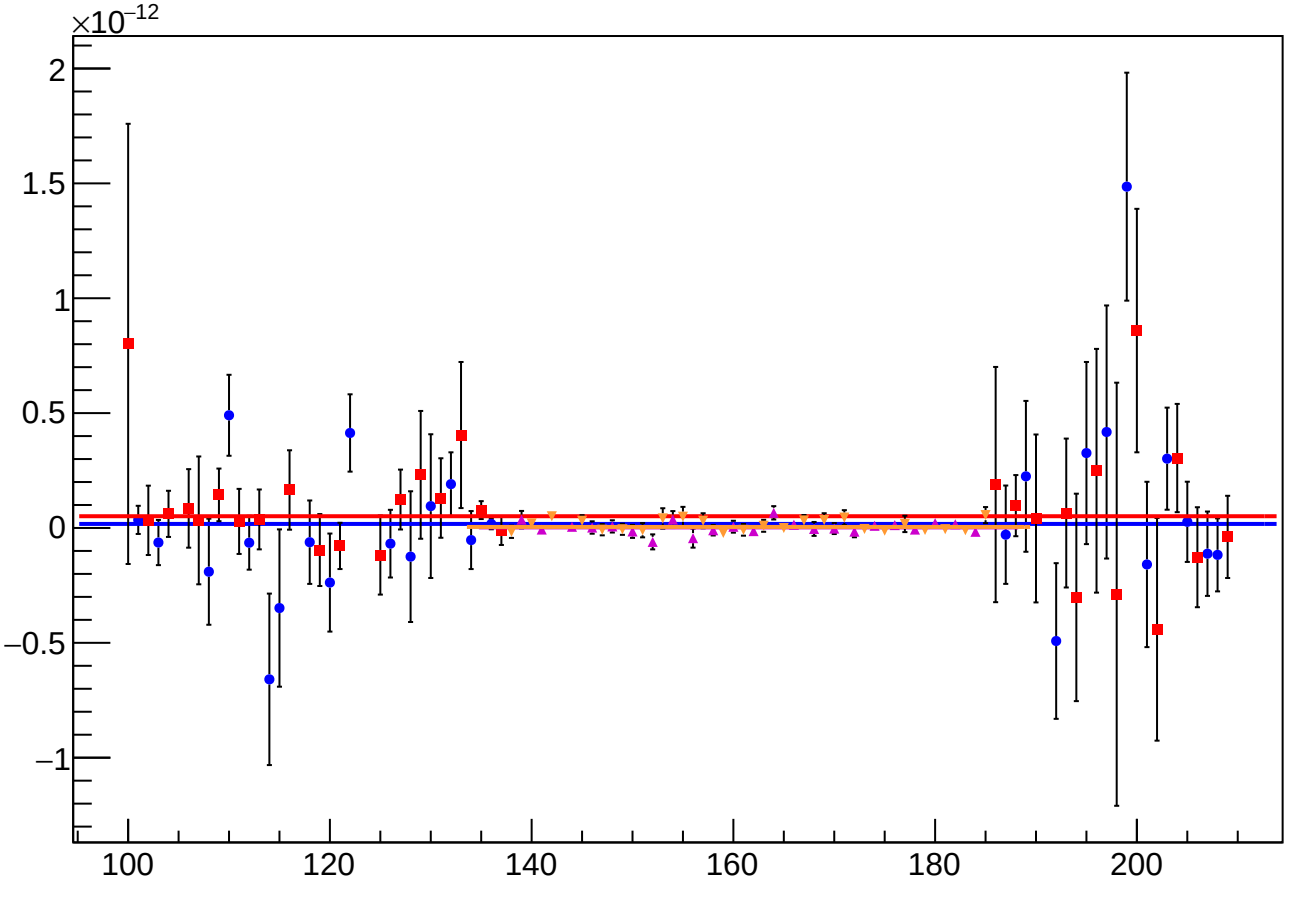
Left: 75.800+/-0.011 χ^2/NDF: 16868415.3/46

Right: 82.298+/-0.012 χ^2/NDF: 10655149.6/56

In: 78.533+/-0.011 χ^2/NDF:13291192.1/49

Out: 79.005+/-0.011 χ^2/NDF:14396843.9/53

All: 78.767+/-0.008 χ^2/NDF: 27688913.3/103



Right In: 0.000+/-0.000 χ^2/NDF: 39.1/26

Left Out: 0.000+/-0.000 χ^2/NDF:21.7/23

Right Out: 0.000+/-0.000 χ^2/NDF: 15.6/29

Left In: 0.000+/-0.000 χ^2/NDF:17.5/22

Left: 0.000+/-0.000 χ^2/NDF: 39.3/46

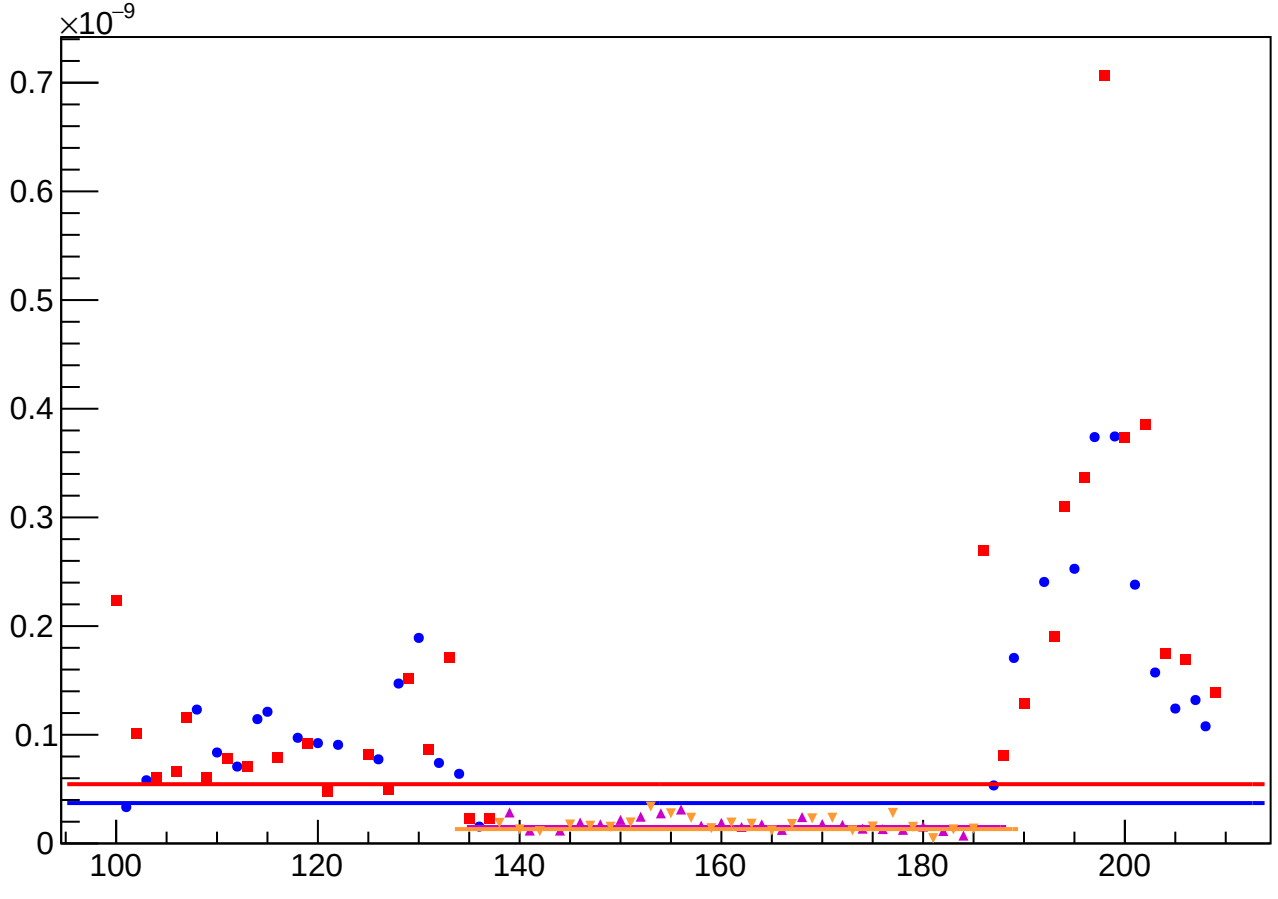
Right: 0.000+/-0.000 χ^2/NDF: 55.9/56

In: 0.000+/-0.000 χ^2/NDF:57.2/49

Out: 0.000+/-0.000 χ^2/NDF:41.0/53

All: 0.000+/-0.000 χ^2/NDF: 98.4/103

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: 10328342.1/26

Left Out: 0.000+/-0.000 χ^2/NDF:4237321.5/23

Right Out: 0.000+/-0.000 χ^2/NDF: 9378633.4/29

Left In: 0.000+/-0.000 χ^2/NDF:2148796.4/22

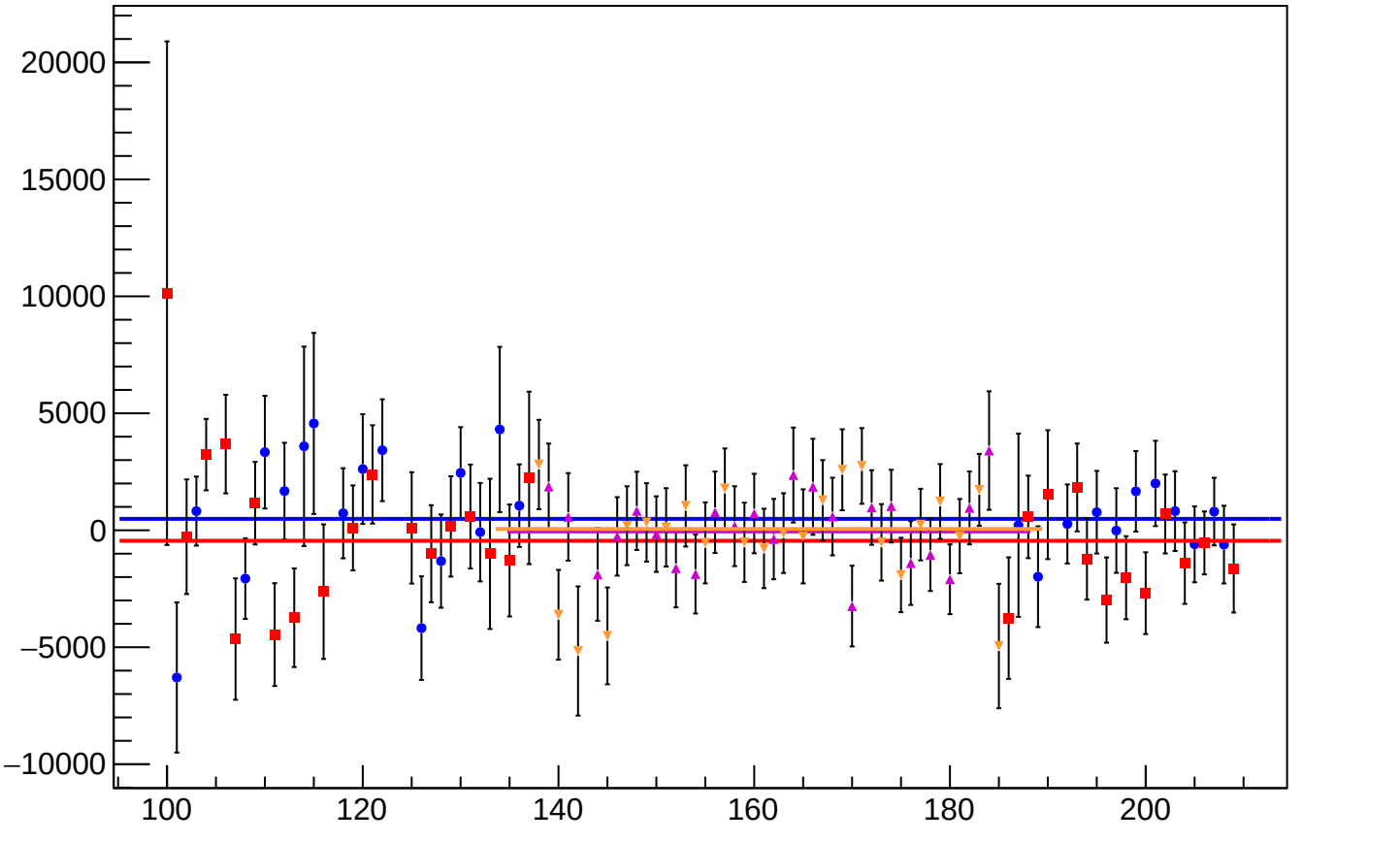
Left: 0.000+/-0.000 χ^2/NDF: 6568948.9/46

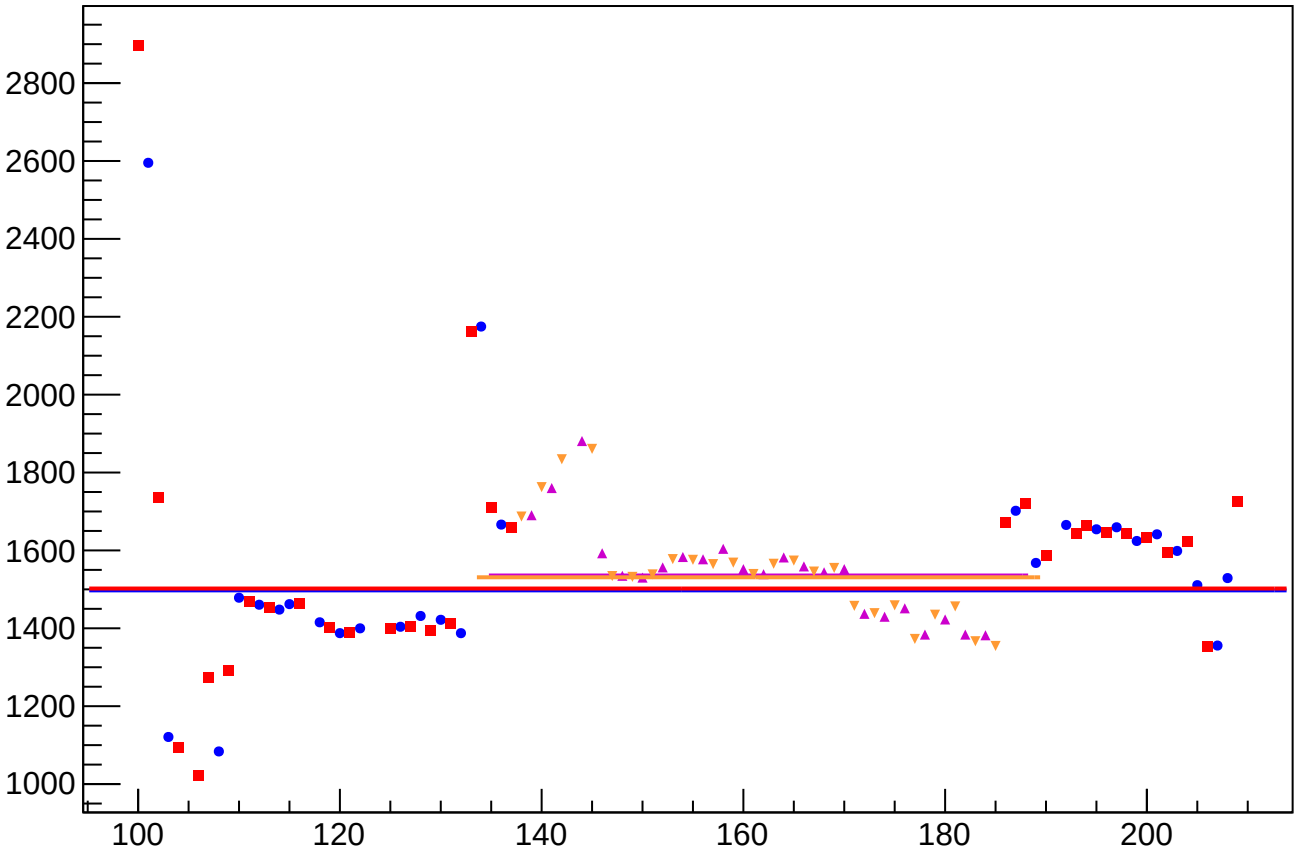
Right: 0.000+/-0.000 χ^2/NDF: 20371945.7/56

In: 0.000+/-0.000 χ^2/NDF:15089147.0/49

Out: 0.000+/-0.000 χ^2/NDF:19536618.2/53

All: 0.000+/-0.000 χ^2/NDF: 34804625.5/103


reg_asym_us_dd_at2lr_dd_dd_mean vs Slug, Sign Corrected
20000
15000
10000
5000
0
−5000
−10000
100
120
140
160
180
200
Right In: 487.786+/-380.995 χ²/NDF: 23.9/26
Left Out: 54.770+/-356.375 χ²/NDF:28.5/23
Right Out: -449.787+/-371.699 χ²/NDF: 33.1/29
Left In: -48.177+/-359.531 χ²/NDF:16.8/22
Left: 3.751+/-253.103 χ²/NDF: 45.3/46
Right: 7.421+/-266.057 χ²/NDF: 60.2/56
In: 204.282+/-261.486 χ²/NDF:41.8/49
Out: -186.894+/-257.242 χ²/NDF:62.6/53
All: 5.494+/-183.379 χ²/NDF: 105.5/103



Right In: 1497.426+/-0.269 χ^2/NDF: 708348.4/26

Left Out: 1530.976+/-0.252 χ^2/NDF:203539.8/23

Right Out: 1502.143+/-0.263 χ^2/NDF: 651508.2/29

Left In: 1535.551+/-0.254 χ^2/NDF:192432.7/22

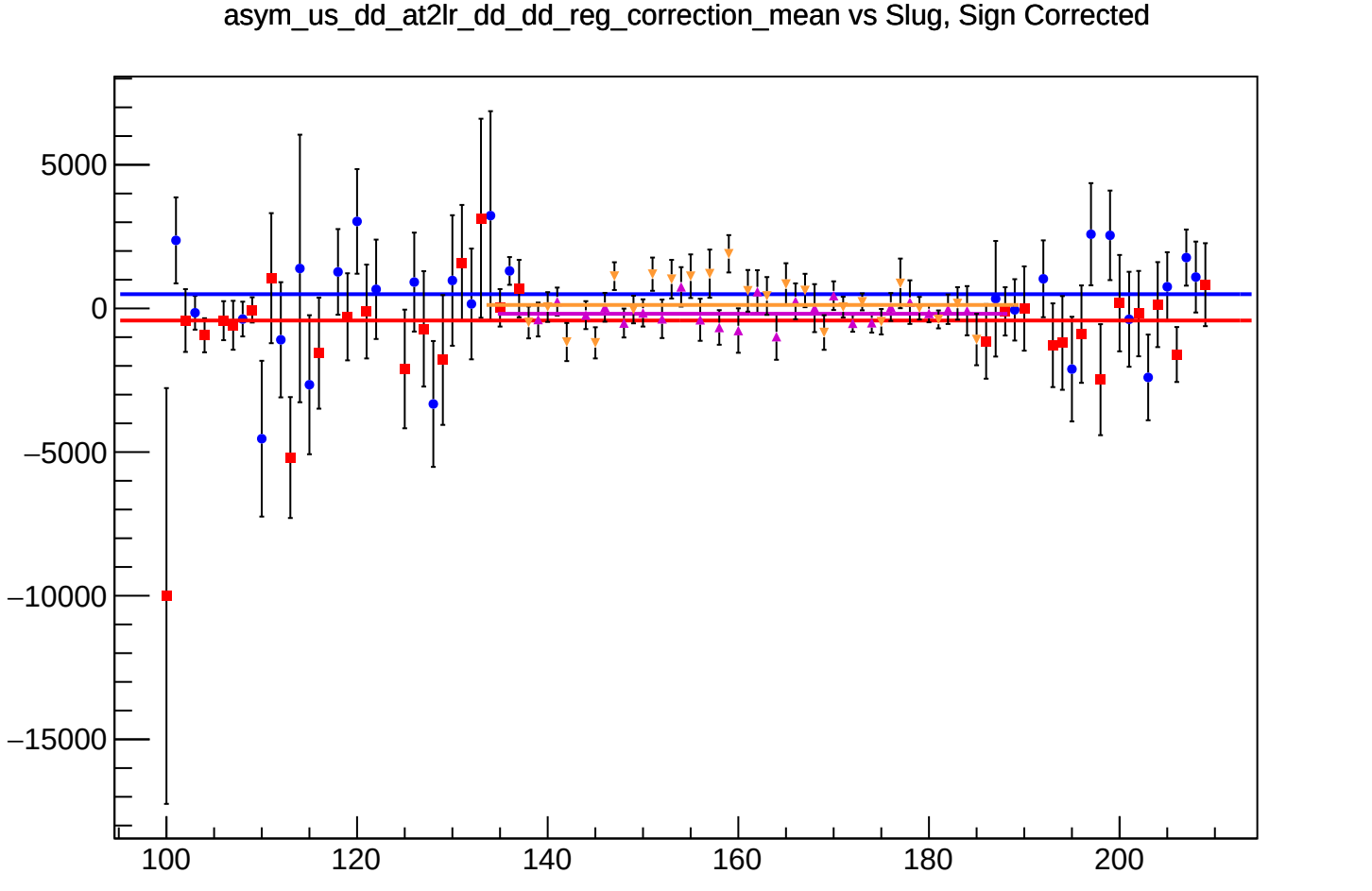
Left: 1533.243+/-0.179 χ^2/NDF: 396135.8/46

Right: 1499.843+/-0.188 χ^2/NDF: 1360013.6/56

In: 1517.593+/-0.185 χ^2/NDF:911374.3/49

Out: 1517.166+/-0.182 χ^2/NDF:861318.5/53

All: 1517.376+/-0.130 χ^2/NDF: 1772695.5/10



Right In: 496.055+/-229.053 χ^2/NDF: 31.0/26

Left Out: 121.327+/-105.060 χ^2/NDF:43.6/23

Right Out: -420.633+/-199.697 χ^2/NDF: 18.9/29

Left In: -186.828+/-106.975 χ^2/NDF:11.6/22

Left: -29.966+/-74.957 χ^2/NDF: 59.5/46

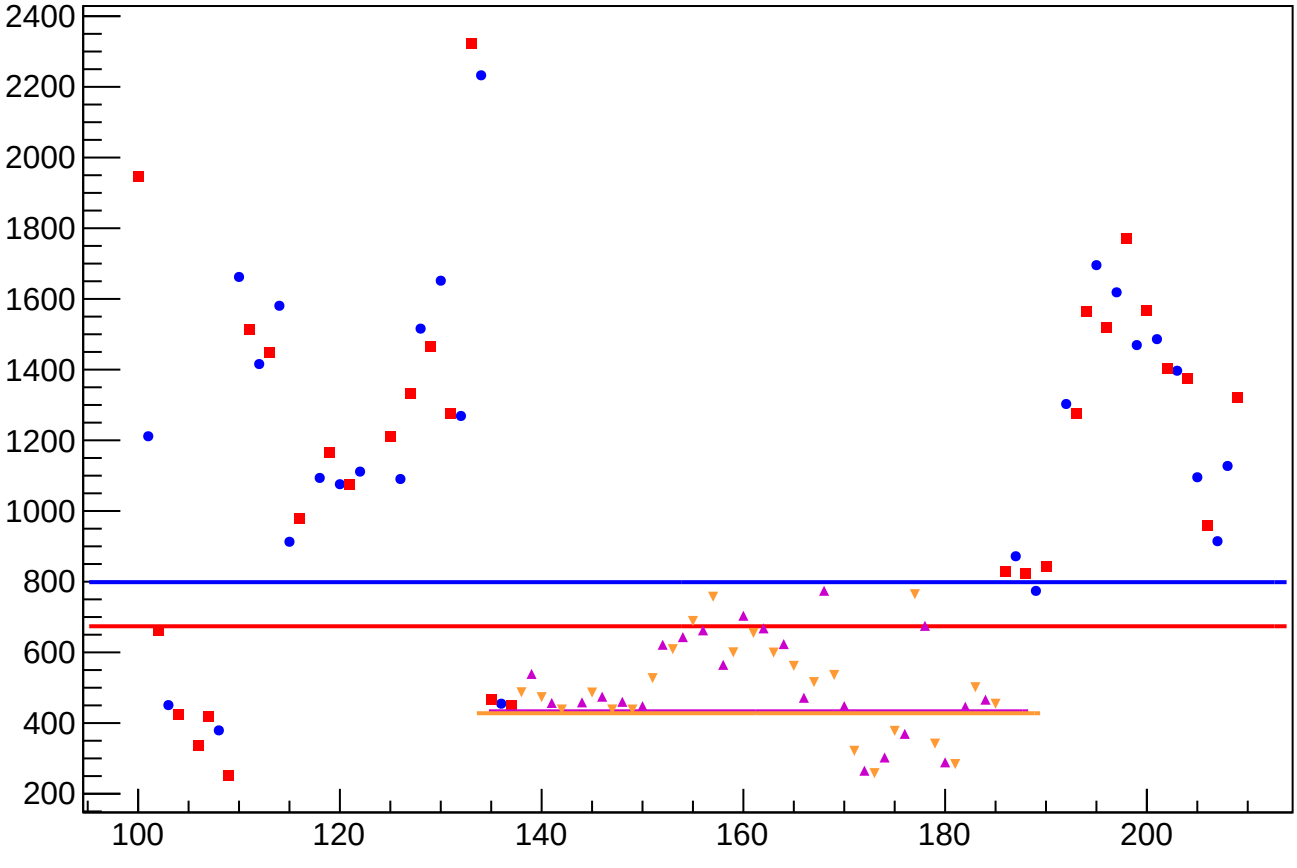
Right: -24.761+/-150.523 χ^2/NDF: 59.0/56

In: -64.549+/-96.926 χ^2/NDF:49.9/49

Out: 3.843+/-92.978 χ^2/NDF:68.3/53

All: -28.932+/-67.098 χ^2/NDF: 118.5/103

asym_us_dd_at2lr_dd_dd_reg_correction_rms vs Slug, Sign Corrected



Right In: 798.632+/-0.162 χ^2/NDF: 6983422.8/26

Left Out: 427.814+/-0.074 χ^2/NDF:3188159.5/23

Right Out: 673.897+/-0.141 χ^2/NDF: 9687786.5/29

Left In: 433.283+/-0.076 χ^2/NDF:3247998.9/22

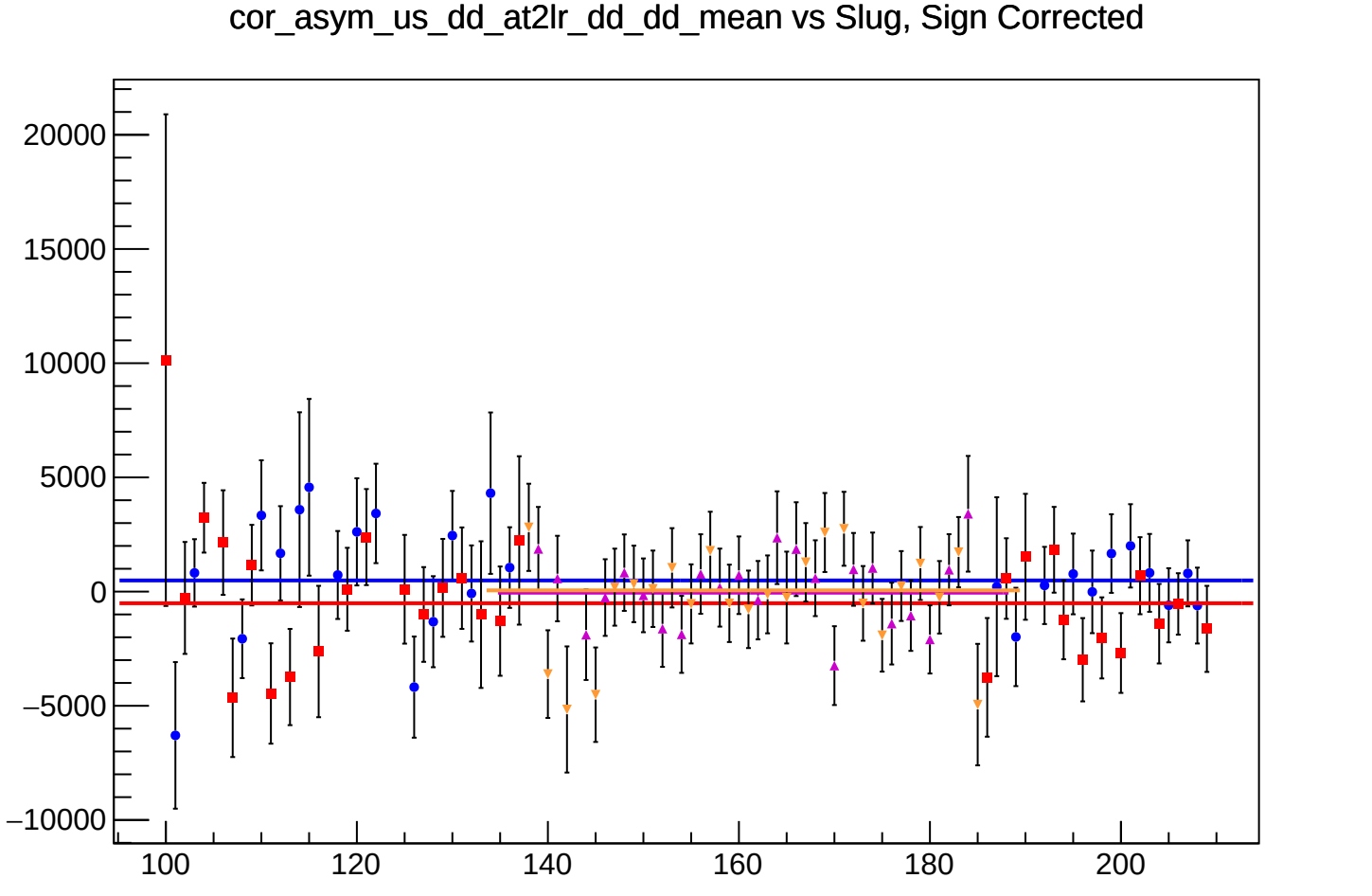
Left: 430.499+/-0.053 χ^2/NDF: 6438819.2/46

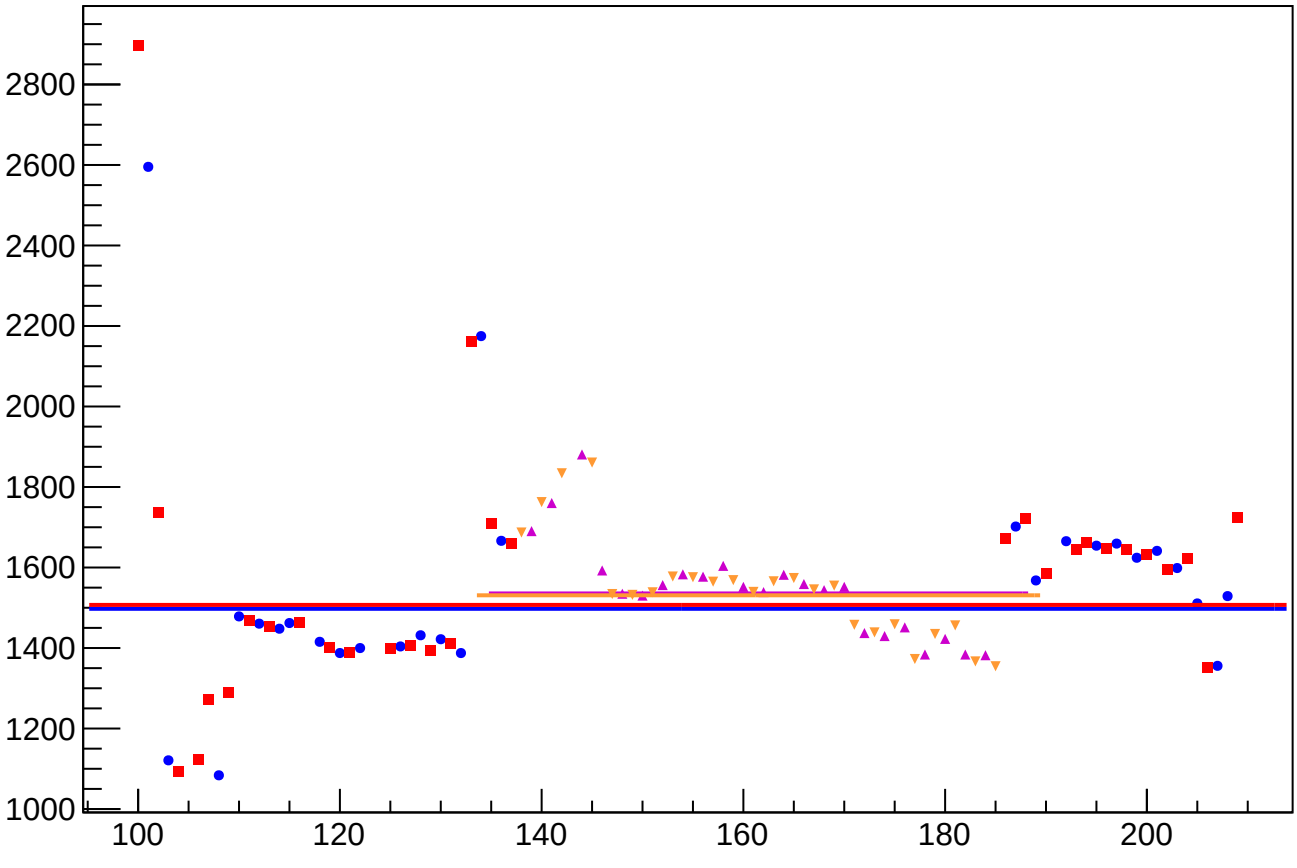
Right: 727.764+/-0.106 χ^2/NDF: 17008182.2/56

In: 498.704+/-0.069 χ^2/NDF:14408585.5/49

Out: 481.159+/-0.066 χ^2/NDF:15254609.0/53

All: 489.567+/-0.047 χ^2/NDF: 29697318.9/10


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
Right In: 487.827+/-380.995 χ²/NDF: 23.9/26
Left Out: 54.734+/-356.375 χ²/NDF:28.5/23
Right Out: -510.654+/-372.598 χ²/NDF: 30.5/29
Left In: -48.256+/-359.531 χ²/NDF:16.8/22
Left: 3.693+/-253.103 χ²/NDF: 45.3/46
Right: -22.538+/-266.386 χ²/NDF: 58.0/56
In: 204.260+/-261.486 χ²/NDF:41.8/49
Out: -215.384+/-257.540 χ²/NDF:60.2/53
All: -8.752+/-183.487 χ²/NDF: 103.3/103



Right In: 1497.426+/-0.269 χ^2/NDF: 708348.7/26

Left Out: 1530.976+/-0.252 χ^2/NDF:203539.7/23

Right Out: 1507.091+/-0.263 χ^2/NDF: 602600.2/29

Left In: 1535.551+/-0.254 χ^2/NDF:192432.7/22

Left: 1533.243+/-0.179 χ^2/NDF: 396135.7/46

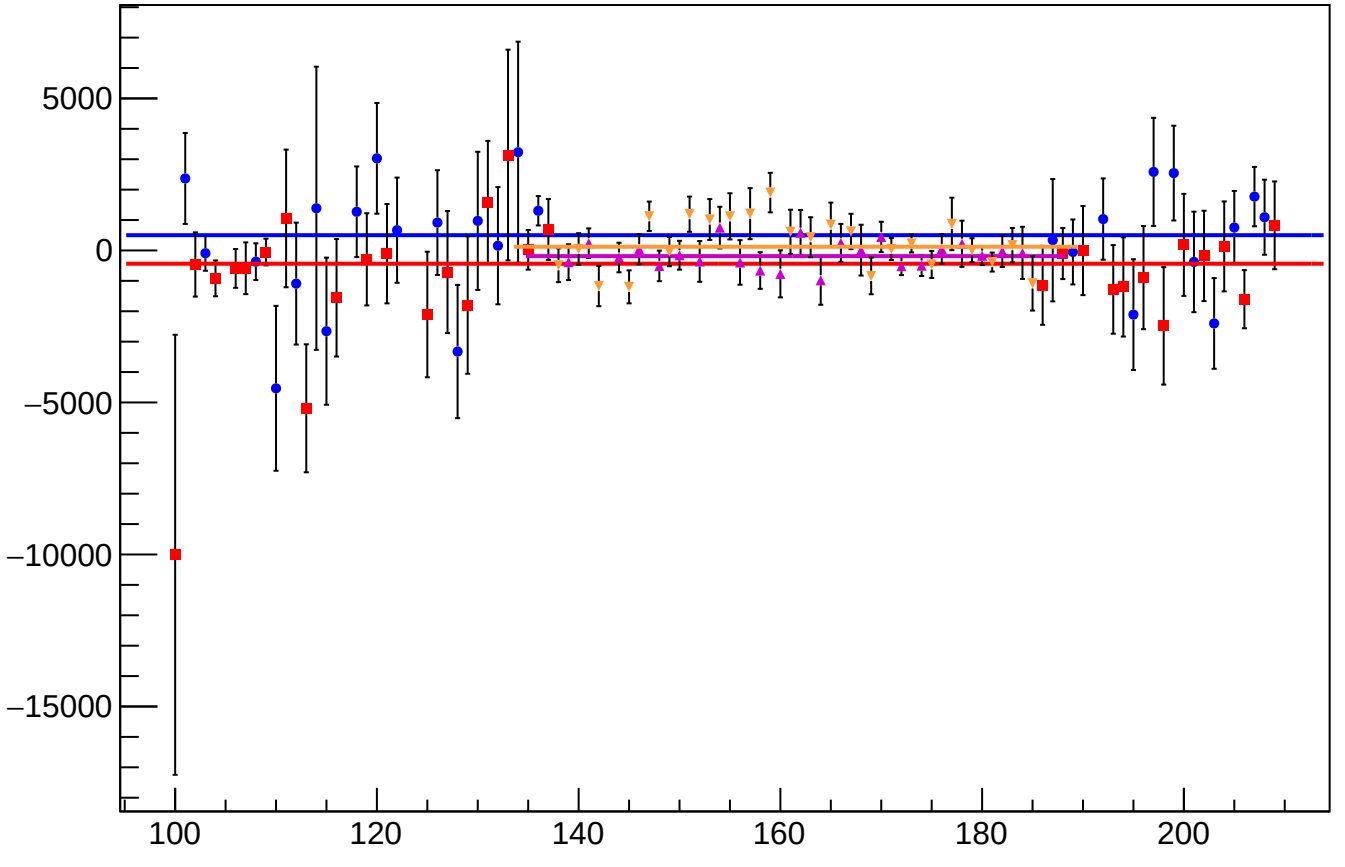
Right: 1502.366+/-0.188 χ^2/NDF: 1311606.8/56

In: 1517.593+/-0.185 χ^2/NDF:911374.7/49

Out: 1519.565+/-0.182 χ^2/NDF:810432.1/53

All: 1518.594+/-0.130 χ^2/NDF: 1721864.6/10

asym_us_dd_at2lr_dd_dd_cor_correction_mean vs Slug, Sign Corrected



Right In: 501.683+/-228.377 χ^2/NDF: 30.8/26

Left Out: 121.325+/-105.060 χ^2/NDF:43.7/23

Right Out: -437.129+/-198.200 χ^2/NDF: 18.9/29

Left In: -187.037+/-106.975 χ^2/NDF:11.6/22

Left: -30.071+/-74.957 χ^2/NDF: 59.5/46

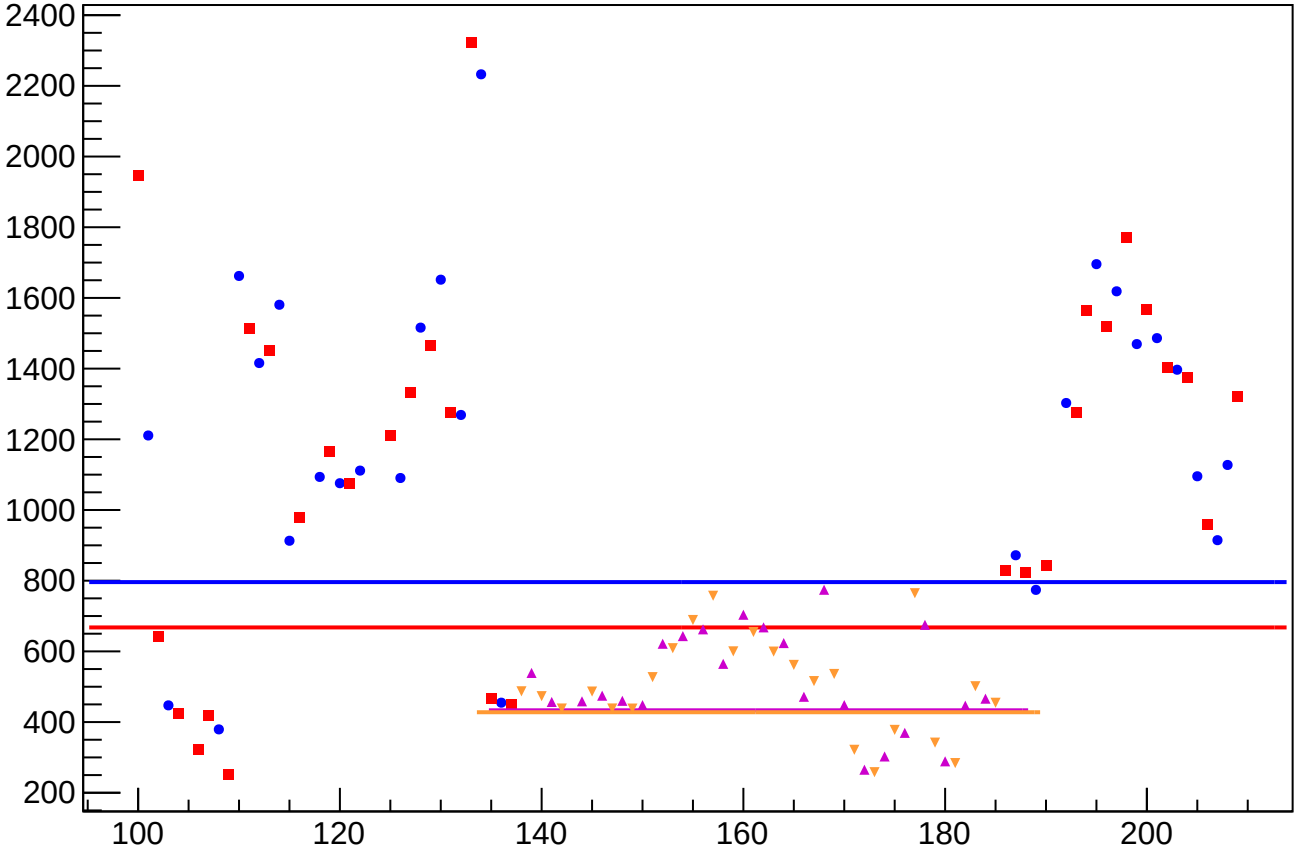
Right: -33.806+/-149.689 χ^2/NDF: 59.4/56

In: -63.113+/-96.874 χ^2/NDF:49.9/49

Out: -1.169+/-92.826 χ^2/NDF:68.8/53

All: -30.820+/-67.023 χ^2/NDF: 118.9/103

asym_us_dd_at2lr_dd_dd_cor_correction_rms vs Slug, Sign Corrected



Right In: 796.022+/-0.161 χ^2/NDF: 7025115.6/26

Left Out: 427.814+/-0.074 χ^2/NDF:3188396.1/23

Right Out: 667.742+/-0.140 χ^2/NDF: 9801042.1/29

Left In: 433.285+/-0.076 χ^2/NDF:3247871.5/22

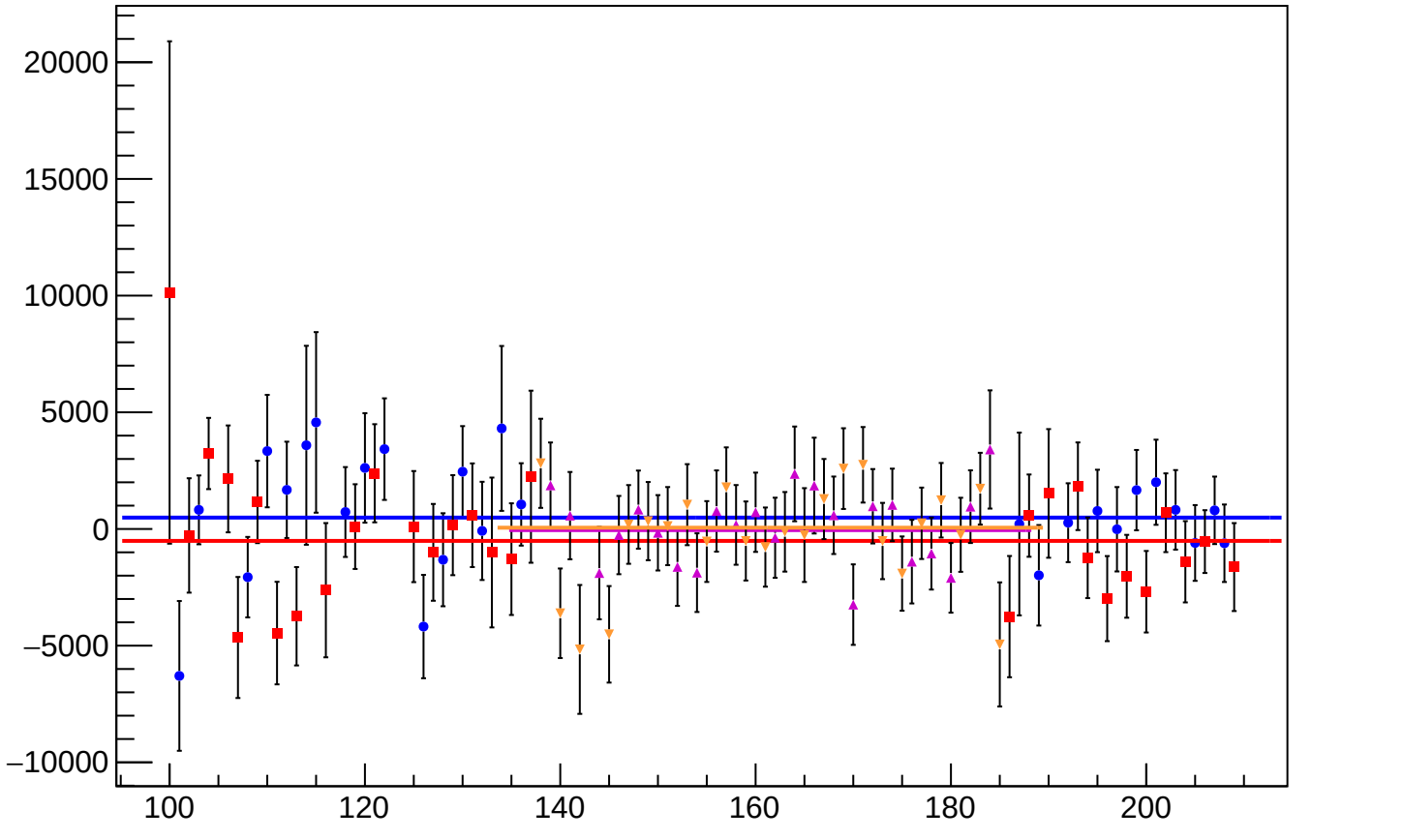
Left: 430.500+/-0.053 χ^2/NDF: 6438930.2/46

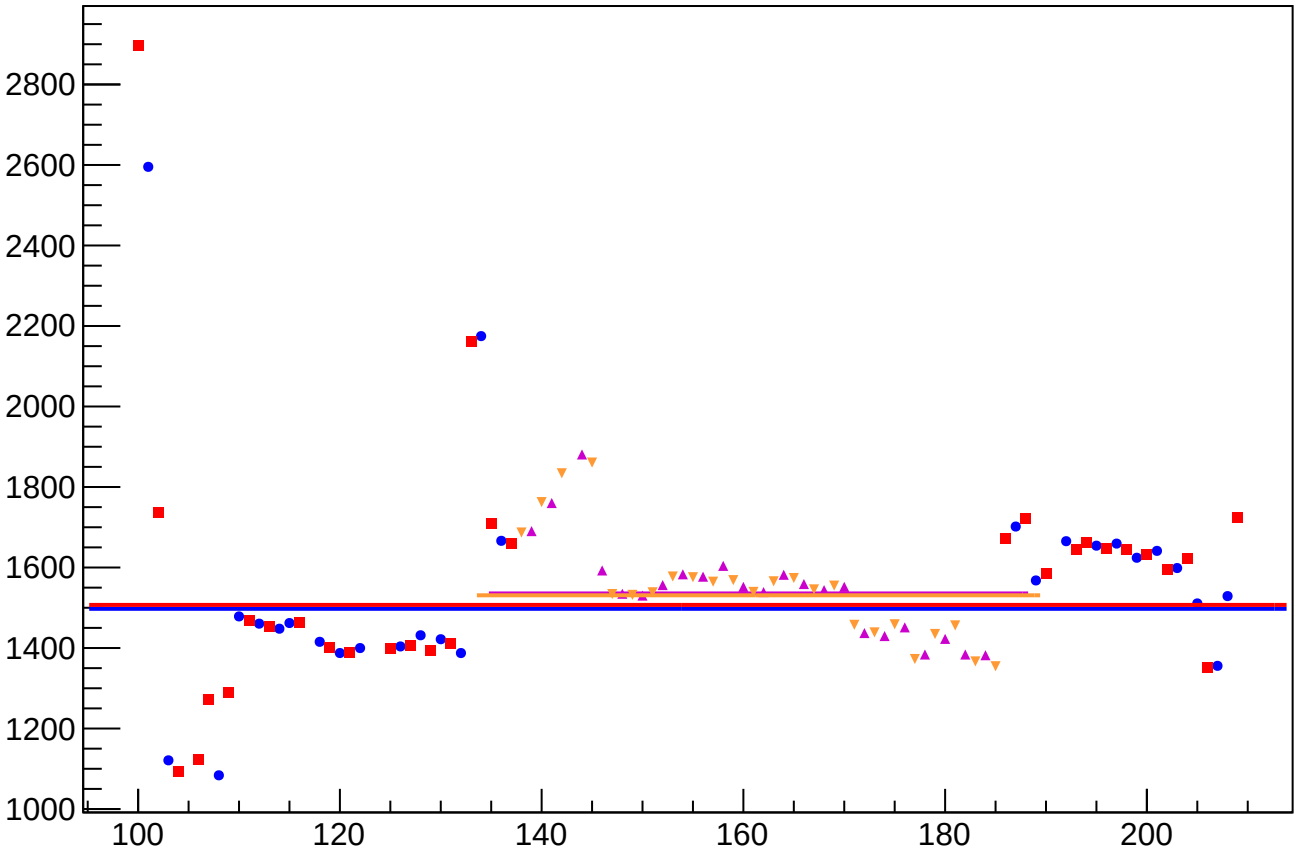
Right: 722.852+/-0.106 χ^2/NDF: 17186083.8/56

In: 498.553+/-0.069 χ^2/NDF:14410669.3/49

Out: 480.441+/-0.066 χ^2/NDF:15277372.1/53

All: 489.111+/-0.047 χ^2/NDF: 29724489.6/10


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
Right In: 487.827+/-380.995 χ²/NDF: 23.9/26
Left Out: 54.734+/-356.375 χ²/NDF:28.5/23
Right Out: -510.654+/-372.598 χ²/NDF: 30.5/29
Left In: -48.256+/-359.531 χ²/NDF:16.8/22
Left: 3.693+/-253.103 χ²/NDF: 45.3/46
Right: -22.538+/-266.386 χ²/NDF: 58.0/56
In: 204.260+/-261.486 χ²/NDF:41.8/49
Out: -215.384+/-257.540 χ²/NDF:60.2/53
All: -8.752+/-183.487 χ²/NDF: 103.3/103



Right In: 1497.426+/-0.269 χ^2/NDF: 708348.7/26

Left Out: 1530.976+/-0.252 χ^2/NDF:203539.7/23

Right Out: 1507.091+/-0.263 χ^2/NDF: 602600.2/29

Left In: 1535.551+/-0.254 χ^2/NDF:192432.7/22

Left: 1533.243+/-0.179 χ^2/NDF: 396135.7/46

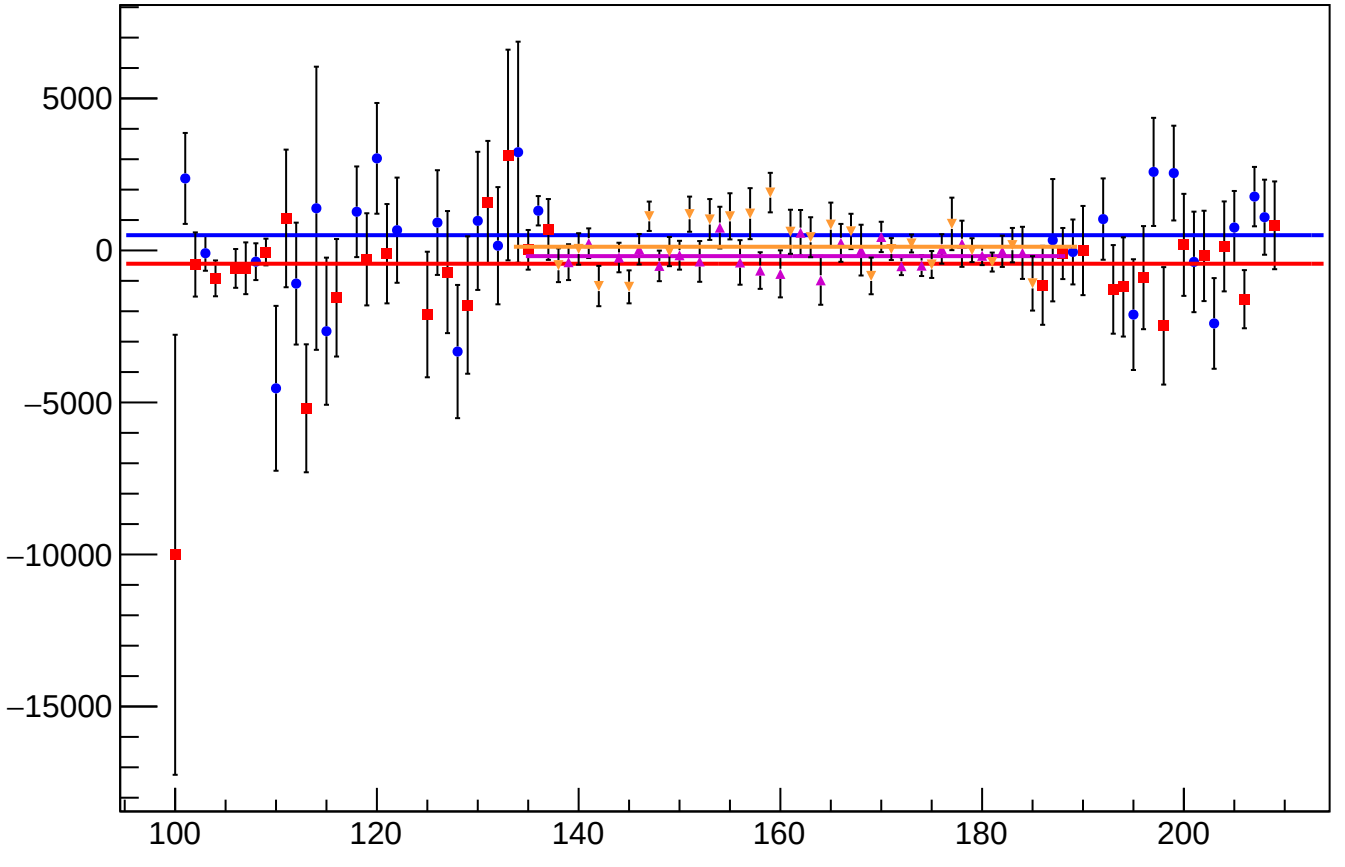
Right: 1502.366+/-0.188 χ^2/NDF: 1311606.8/56

In: 1517.593+/-0.185 χ^2/NDF:911374.7/49

Out: 1519.565+/-0.182 χ^2/NDF:810432.1/53

All: 1518.594+/-0.130 χ^2/NDF: 1721864.6/10

asym_us_dd_at2lr_dd_dd_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: 501.683+/-228.377 χ^2/NDF: 30.8/26

Left Out: 121.325+/-105.060 χ^2/NDF:43.7/23

Right Out: -437.129+/-198.200 χ^2/NDF: 18.9/29

Left In: -187.037+/-106.975 χ^2/NDF:11.6/22

Left: -30.071+/-74.957 χ^2/NDF: 59.5/46

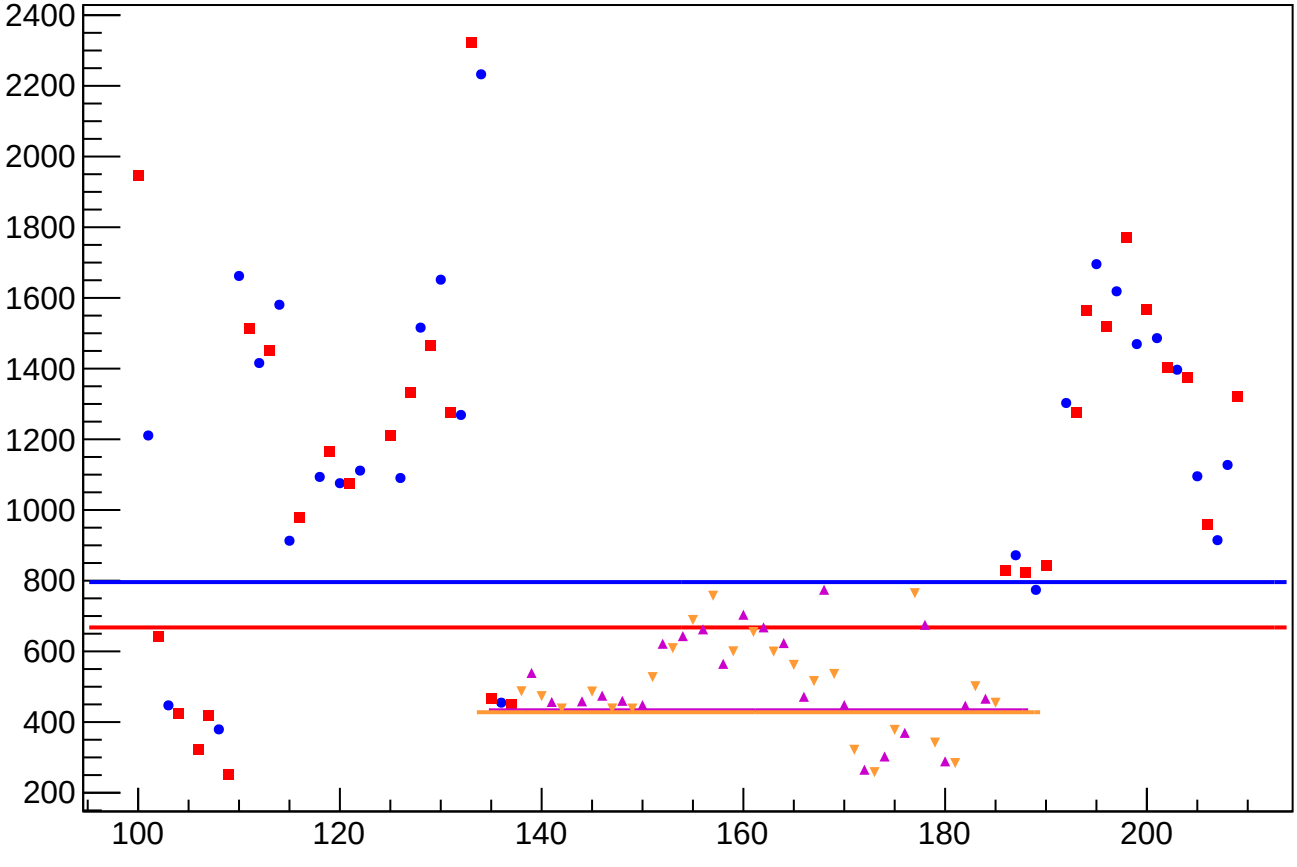
Right: -33.806+/-149.689 χ^2/NDF: 59.4/56

In: -63.113+/-96.874 χ^2/NDF:49.9/49

Out: -1.169+/-92.826 χ^2/NDF:68.8/53

All: -30.820+/-67.023 χ^2/NDF: 118.9/103

asym_us_dd_at2lr_dd_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 796.022+/-0.161 χ^2/NDF: 7025115.6/26

Left Out: 427.814+/-0.074 χ^2/NDF:3188396.1/23

Right Out: 667.742+/-0.140 χ^2/NDF: 9801042.1/29

Left In: 433.285+/-0.076 χ^2/NDF:3247871.5/22

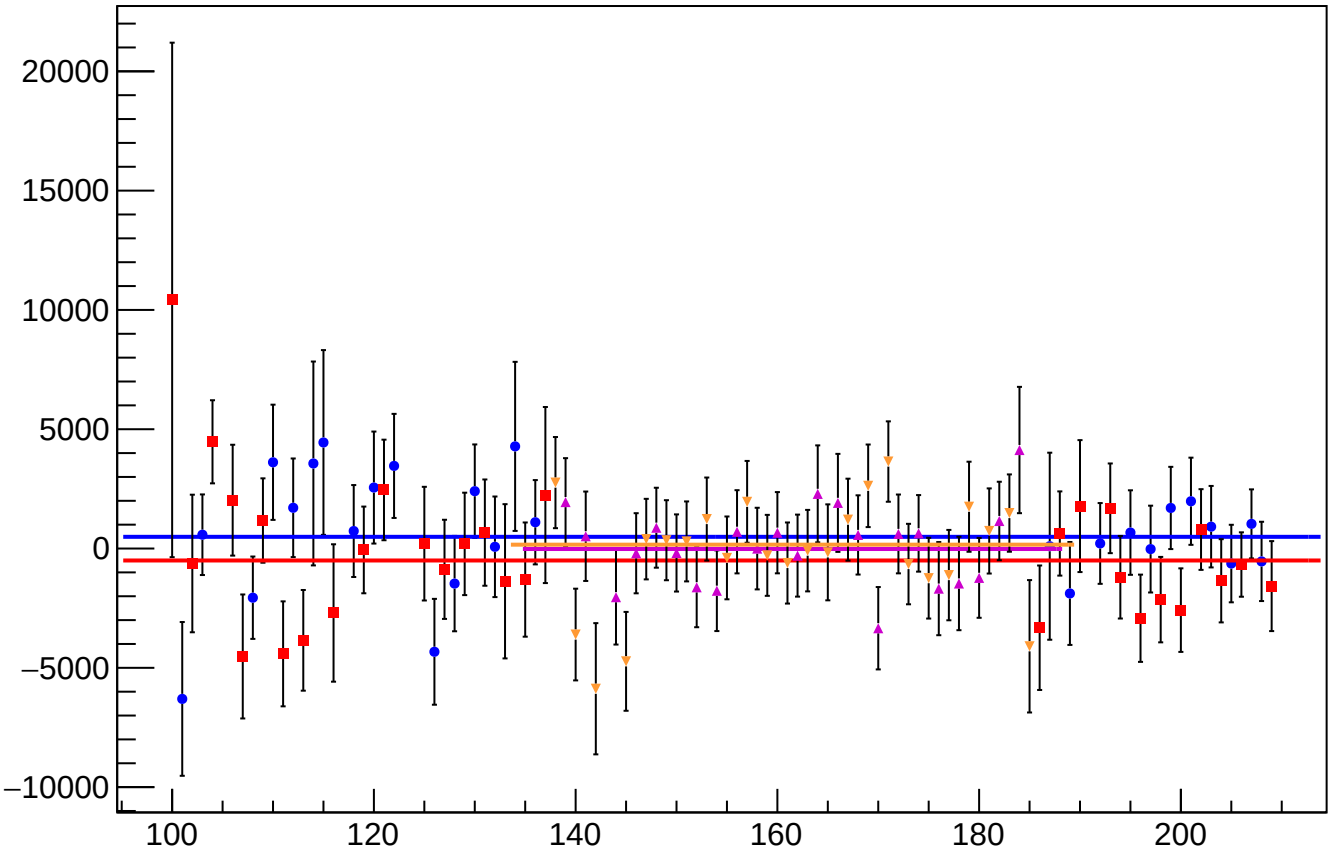
Left: 430.500+/-0.053 χ^2/NDF: 6438930.2/46

Right: 722.852+/-0.106 χ^2/NDF: 17186083.8/56

In: 498.553+/-0.069 χ^2/NDF:14410669.3/49

Out: 480.441+/-0.066 χ^2/NDF:15277372.1/53

All: 489.111+/-0.047 χ^2/NDF: 29724489.6/10



Right In: 490.615+/-384.666 χ^2/NDF: 24.4/26

Left Out: 161.591+/-368.366 χ^2/NDF:29.9/23

Right Out: -501.122+/-377.310 χ^2/NDF: 32.1/29

Left In: -20.252+/-369.781 χ^2/NDF:16.0/22

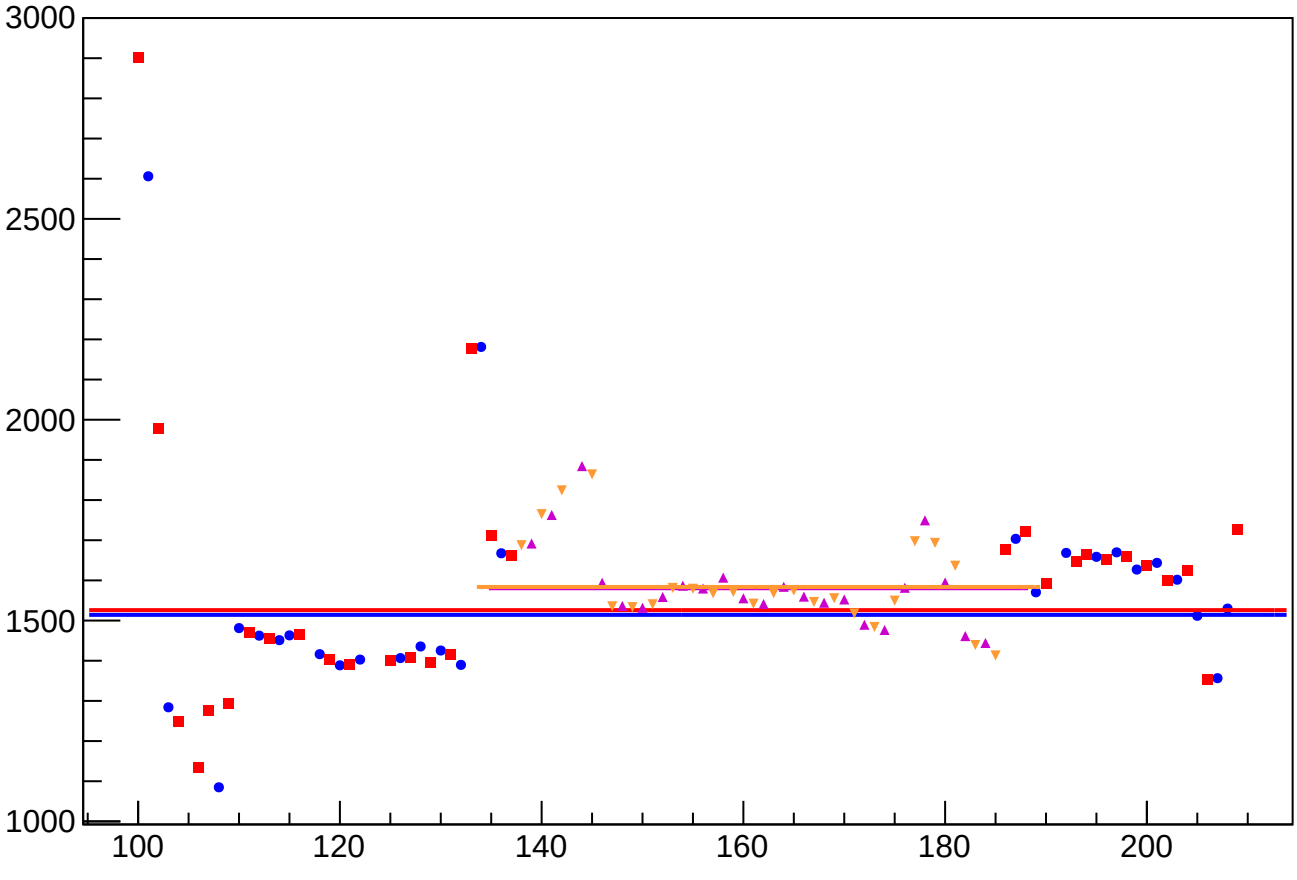
Left: 71.018+/-260.973 χ^2/NDF: 46.0/46

Right: -14.826+/-269.361 χ^2/NDF: 59.9/56

In: 225.106+/-266.581 χ^2/NDF:41.3/49

Out: -161.817+/-263.579 χ^2/NDF:63.6/53

All: 29.453+/-187.431 χ^2/NDF: 106.0/103



Right In: 1514.237+/-0.272 χ^2/NDF: 612128.1/26

Left Out: 1583.673+/-0.260 χ^2/NDF:133583.1/23

Right Out: 1526.017+/-0.267 χ^2/NDF: 532503.1/29

Left In: 1580.464+/-0.261 χ^2/NDF:125745.6/22

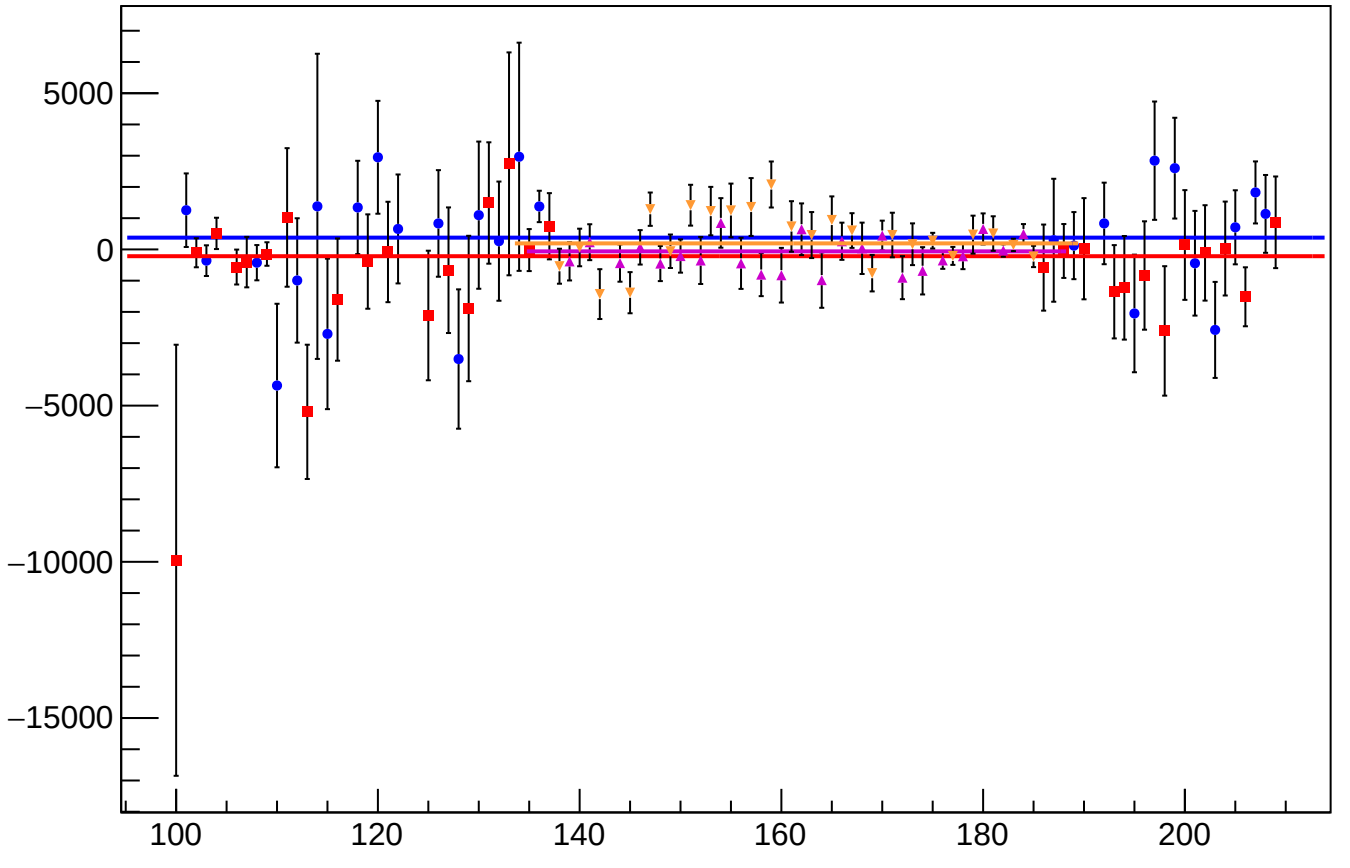
Left: 1582.075+/-0.185 χ^2/NDF: 259404.3/46

Right: 1520.241+/-0.190 χ^2/NDF: 1145587.2/56

In: 1548.657+/-0.189 χ^2/NDF:768685.0/49

Out: 1555.537+/-0.186 χ^2/NDF:689996.3/53

All: 1552.136+/-0.133 χ^2/NDF: 1459354.9/10



Right In: 377.284+/-220.651 χ^2/NDF: 32.3/26

Left Out: 193.307+/-95.894 χ^2/NDF:40.1/23

Right Out: -217.065+/-175.518 χ^2/NDF: 19.7/29

Left In: -62.183+/-99.717 χ^2/NDF:17.0/22

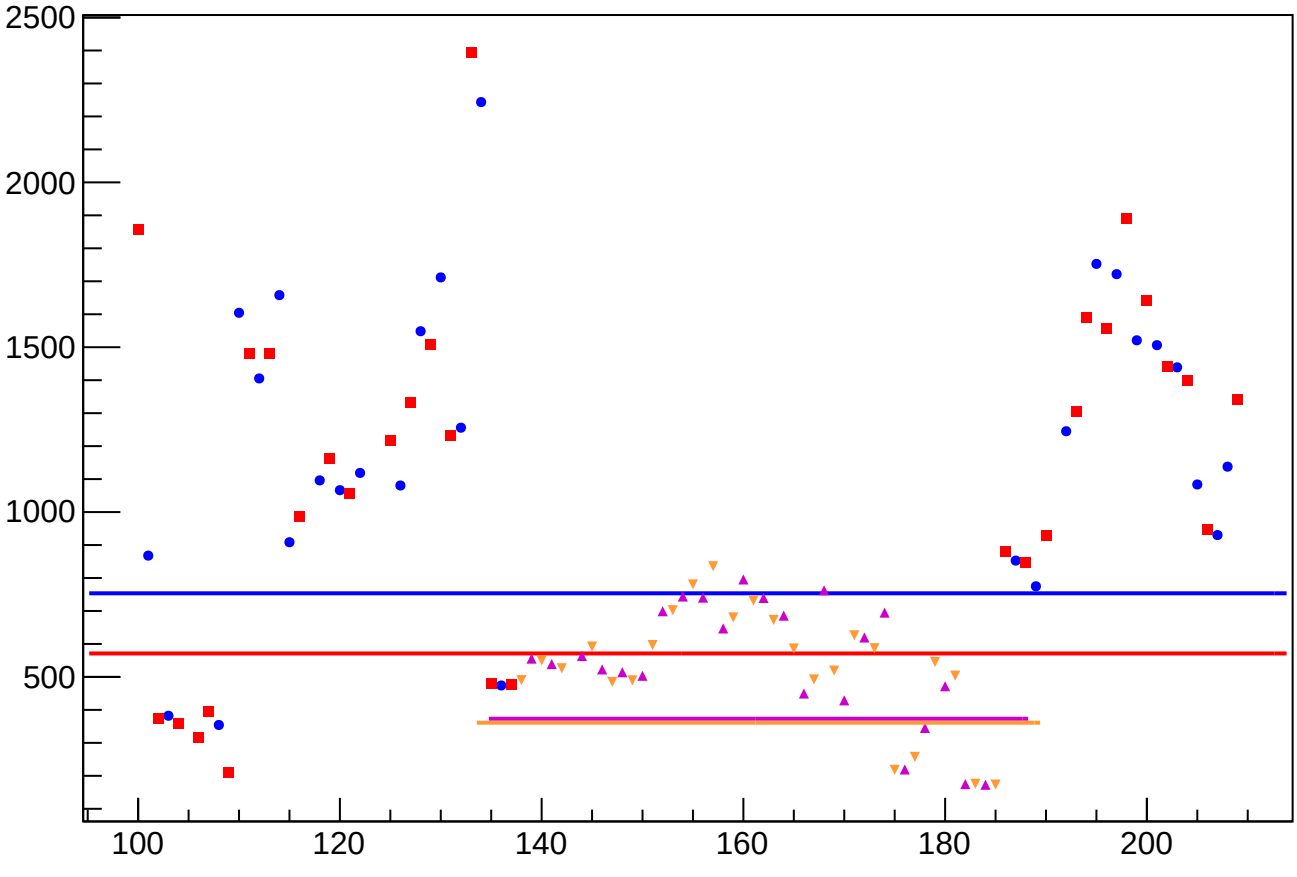
Left: 70.554+/-69.119 χ^2/NDF: 60.5/46

Right: 13.266+/-137.361 χ^2/NDF: 56.4/56

In: 12.349+/-90.869 χ^2/NDF:52.6/49

Out: 98.972+/-84.153 χ^2/NDF:64.0/53

All: 58.979+/-61.743 χ^2/NDF: 117.1/103



Right In: 753.612+/-0.156 χ^2/NDF: 7705021.6/26

Left Out: 361.100+/-0.068 χ^2/NDF:8183123.9/23

Right Out: 571.174+/-0.124 χ^2/NDF: 11970908.7/29

Left In: 373.140+/-0.071 χ^2/NDF:8207354.5/22

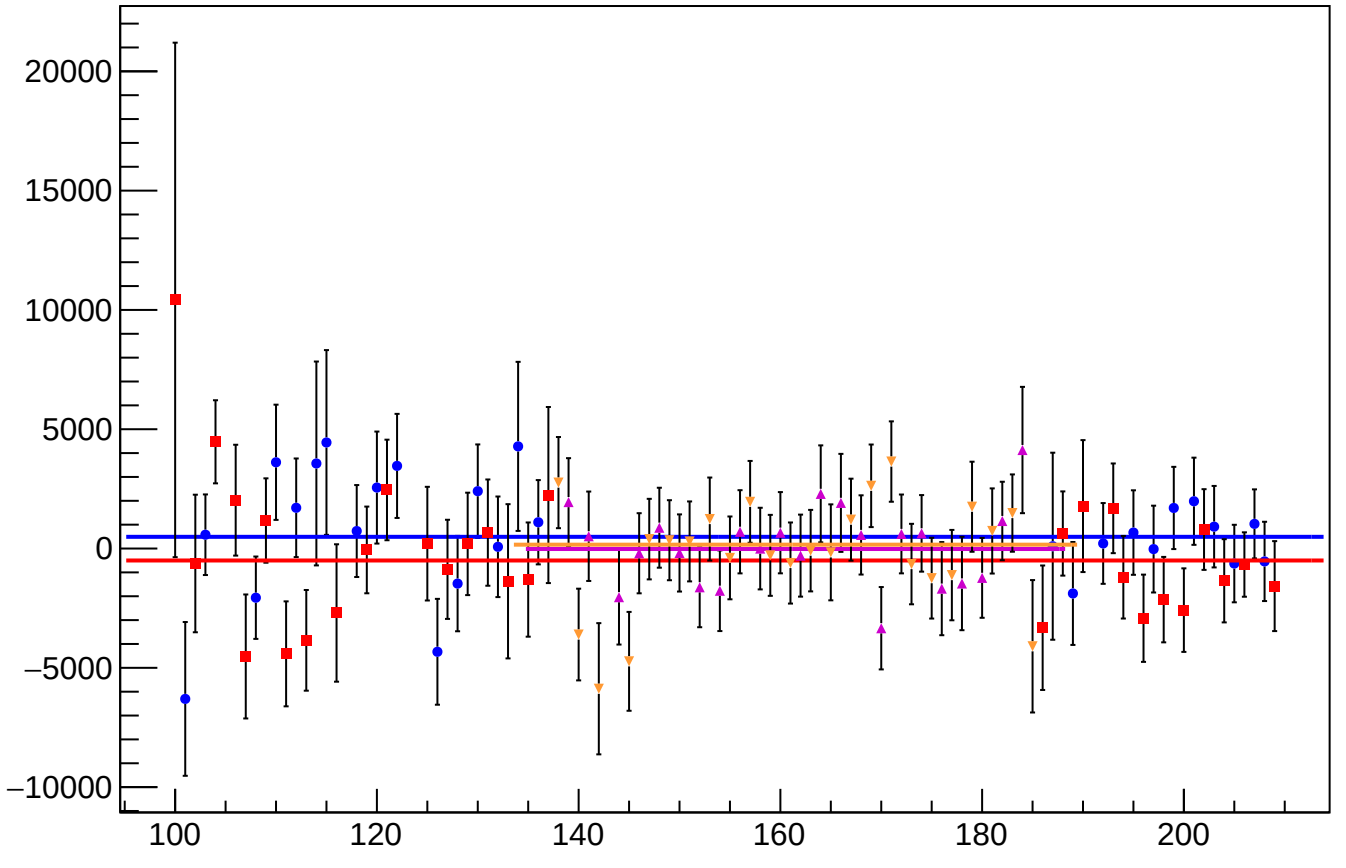
Left: 366.885+/-0.049 χ^2/NDF: 16405627.7/46

Right: 641.875+/-0.097 χ^2/NDF: 20513319.7/56

In: 437.667+/-0.064 χ^2/NDF:20850385.8/49

Out: 409.391+/-0.060 χ^2/NDF:22360483.5/53

All: 422.445+/-0.044 χ^2/NDF: 43315116.2/10



Right In: 490.611+/-384.666 χ^2/NDF: 24.4/26

Left Out: 161.587+/-368.366 χ^2/NDF:29.9/23

Right Out: -501.119+/-377.310 χ^2/NDF: 32.1/29

Left In: -20.250+/-369.781 χ^2/NDF:16.0/22

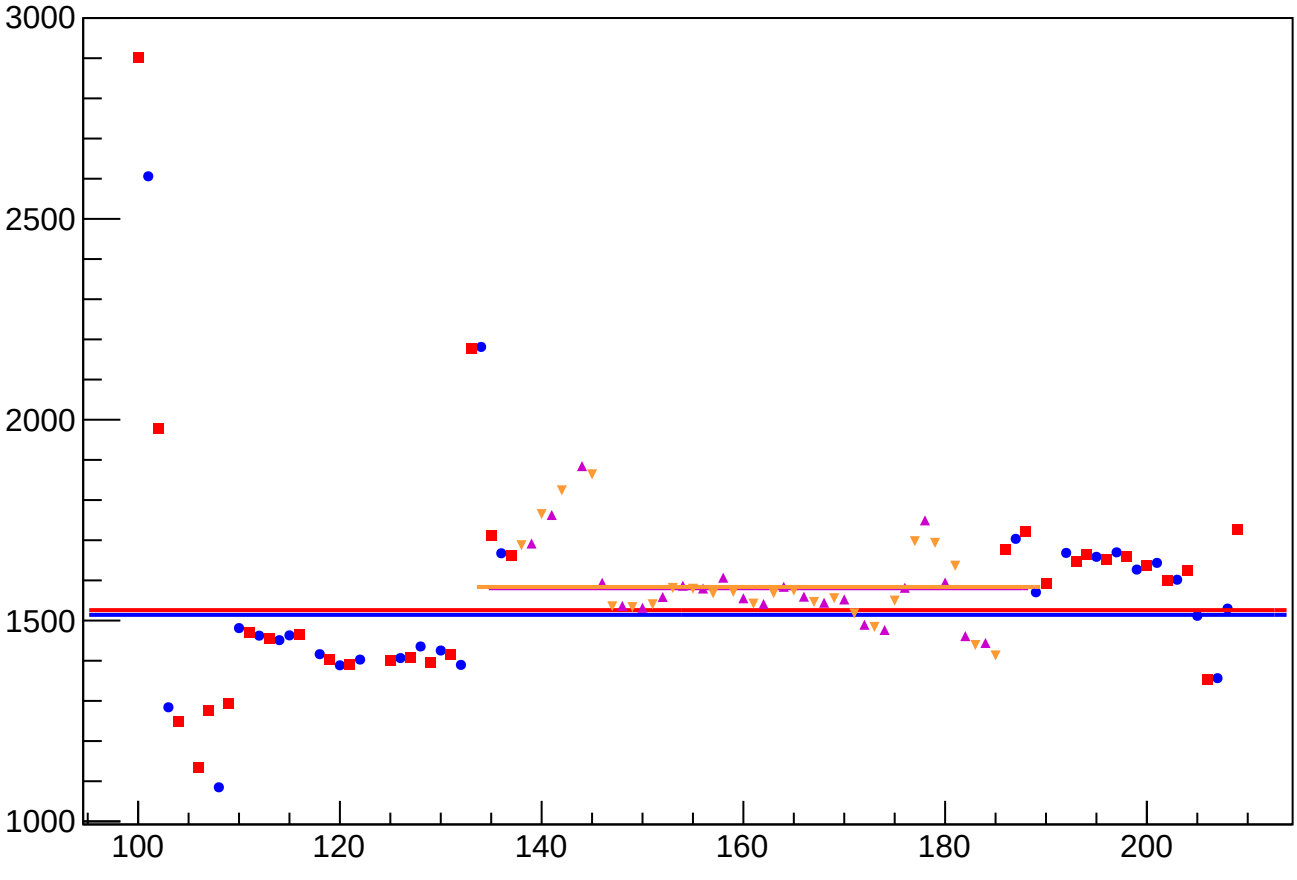
Left: 71.017+/-260.973 χ^2/NDF: 46.0/46

Right: -14.827+/-269.361 χ^2/NDF: 59.9/56

In: 225.105+/-266.581 χ^2/NDF:41.3/49

Out: -161.818+/-263.579 χ^2/NDF:63.6/53

All: 29.453+/-187.431 χ^2/NDF: 106.0/103



Right In: 1514.237+/-0.272 χ^2/NDF: 612127.6/26

Left Out: 1583.673+/-0.260 χ^2/NDF:133583.3/23

Right Out: 1526.017+/-0.267 χ^2/NDF: 532503.0/29

Left In: 1580.464+/-0.261 χ^2/NDF:125745.6/22

Left: 1582.075+/-0.185 χ^2/NDF: 259404.5/46

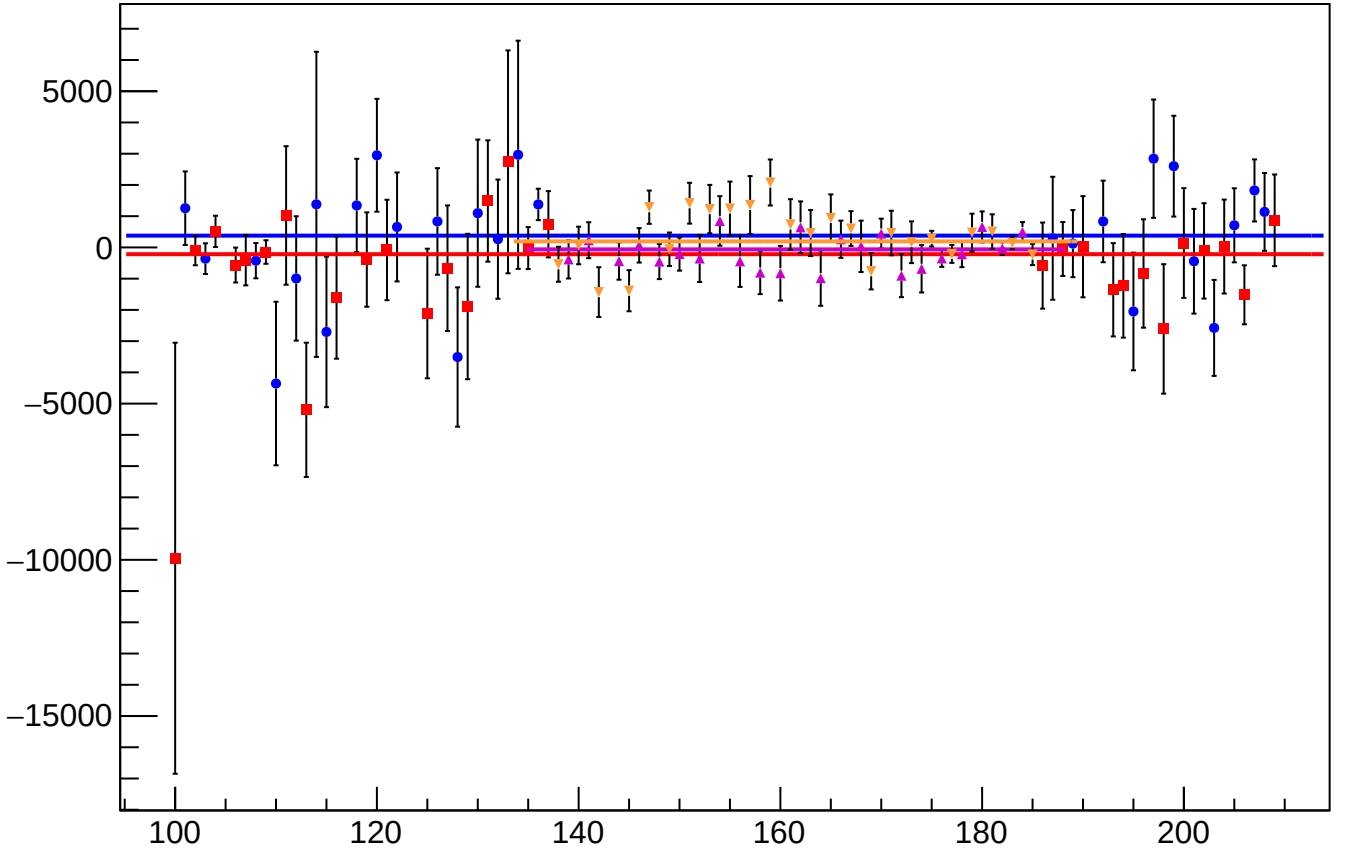
Right: 1520.241+/-0.190 χ^2/NDF: 1145586.7/56

In: 1548.656+/-0.189 χ^2/NDF:768684.2/49

Out: 1555.537+/-0.186 χ^2/NDF:689996.4/53

All: 1552.135+/-0.133 χ^2/NDF: 1459354.2/10

asym_us_dd_at2lr_dd_dd_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: 377.279+/-220.651 χ^2/NDF: 32.3/26

Left Out: 193.312+/-95.894 χ^2/NDF:40.1/23

Right Out: -217.064+/-175.519 χ^2/NDF: 19.7/29

Left In: -62.181+/-99.718 χ^2/NDF:17.0/22

Left: 70.558+/-69.120 χ^2/NDF: 60.5/46

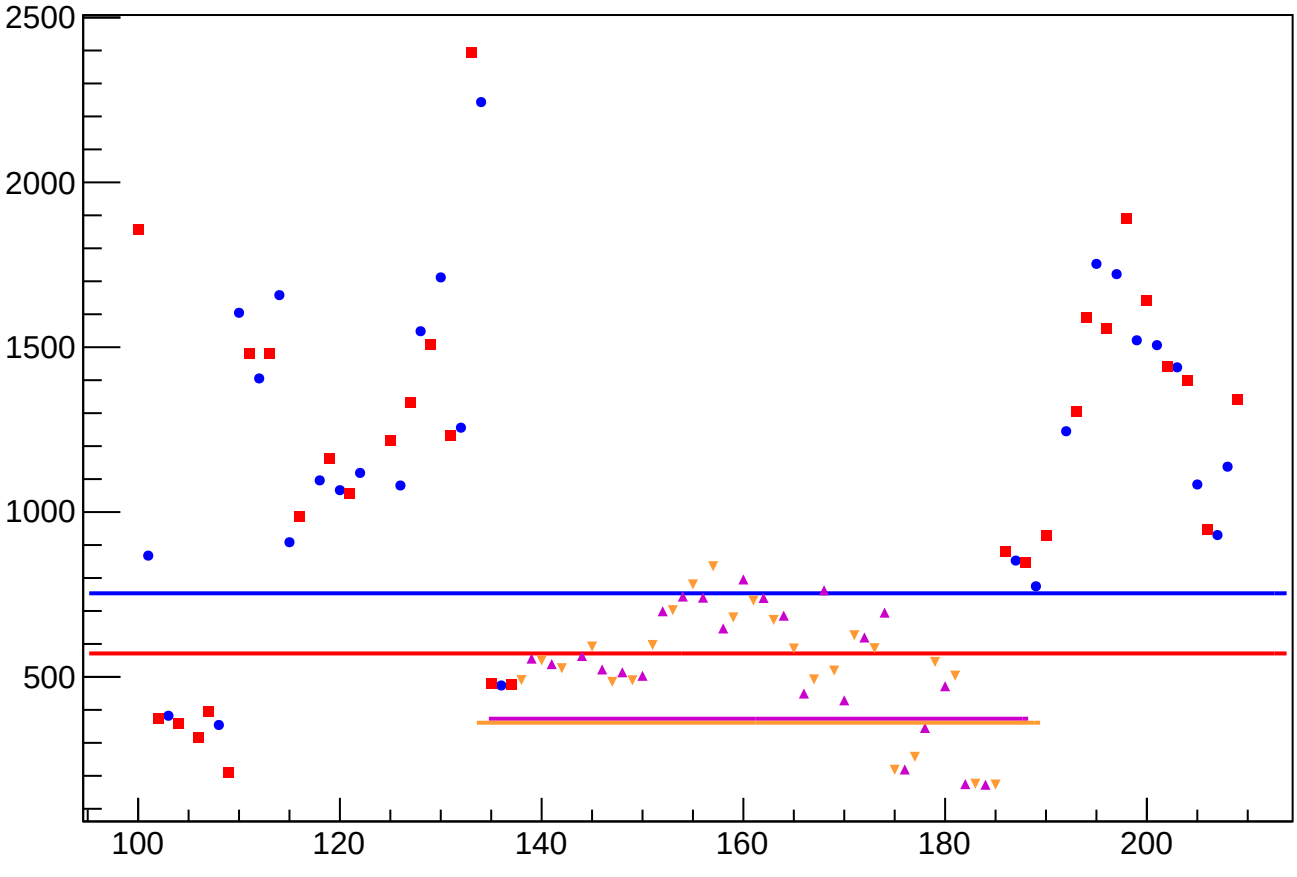
Right: 13.268+/-137.361 χ^2/NDF: 56.4/56

In: 12.351+/-90.869 χ^2/NDF:52.6/49

Out: 98.976+/-84.154 χ^2/NDF:64.0/53

All: 58.983+/-61.743 χ^2/NDF: 117.1/103

asym_us_dd_at2lr_dd_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 753.609+/-0.156 χ^2/NDF: 7705043.5/26

Left Out: 361.103+/-0.068 χ^2/NDF:8182968.2/23

Right Out: 571.181+/-0.124 χ^2/NDF: 11970740.7/29

Left In: 373.145+/-0.071 χ^2/NDF:8207110.6/22

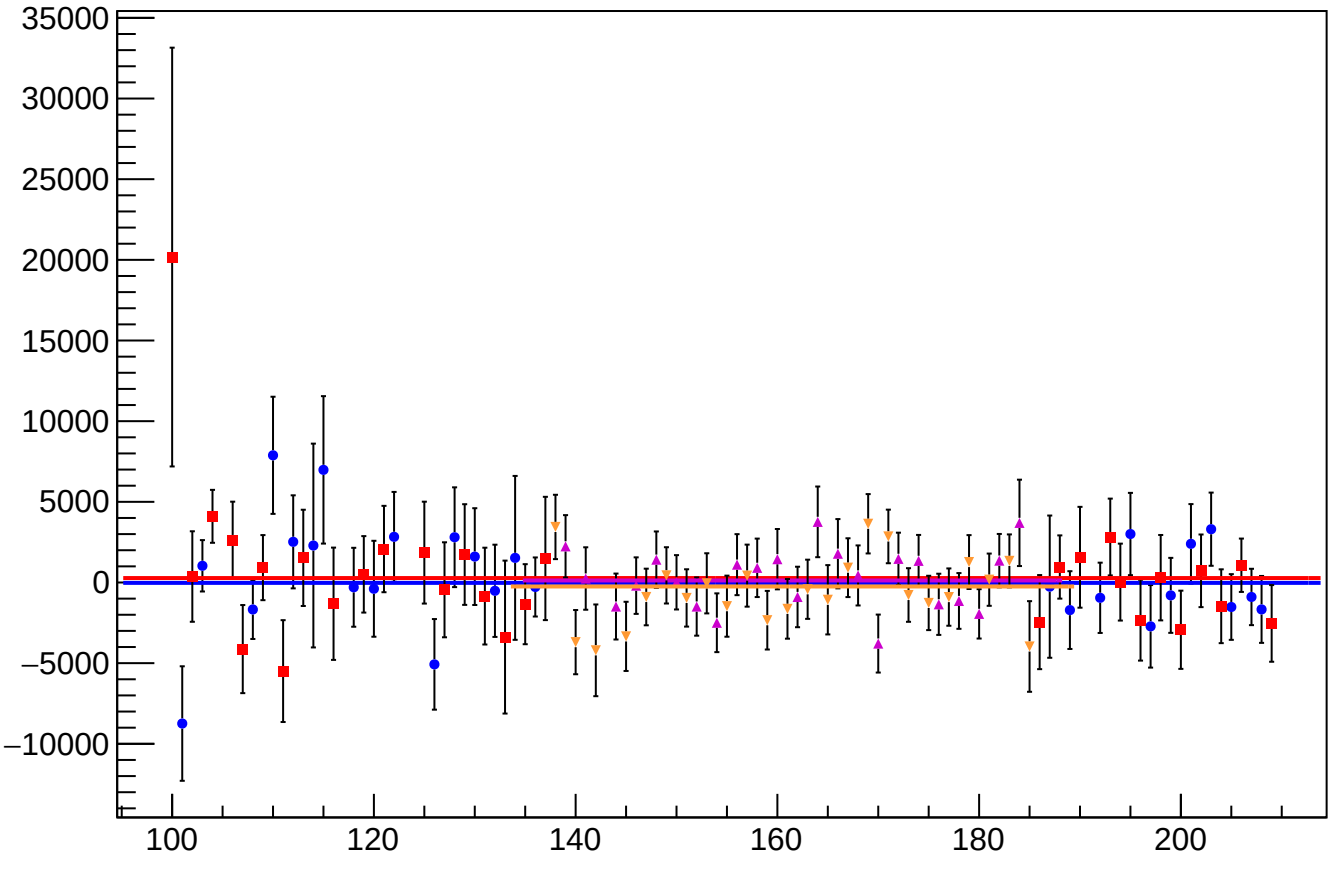
Left: 366.889+/-0.049 χ^2/NDF: 16405230.8/46

Right: 641.879+/-0.097 χ^2/NDF: 20513087.6/56

In: 437.671+/-0.064 χ^2/NDF:20849980.8/49

Out: 409.395+/-0.060 χ^2/NDF:22360190.9/53

All: 422.450+/-0.044 χ^2/NDF: 43314420.2/10



Right In: -23.193+/-480.053 χ^2/NDF: 28.7/26

Left Out: -247.110+/-378.224 χ^2/NDF:26.0/23

Right Out: 275.062+/-465.499 χ^2/NDF: 24.9/29

Left In: 126.114+/-381.305 χ^2/NDF:21.2/22

Left: -62.012+/-268.528 χ^2/NDF: 47.7/46

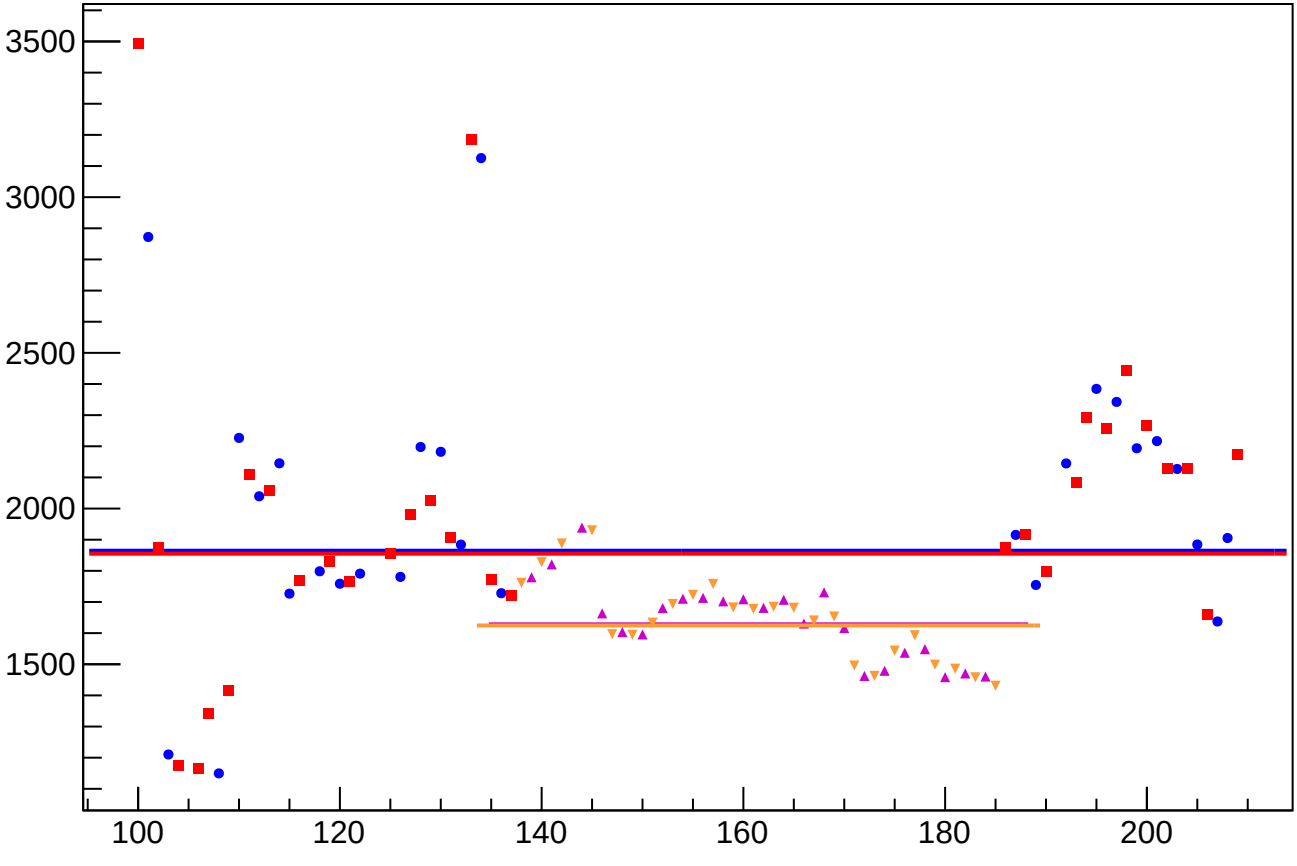
Right: 130.524+/-334.184 χ^2/NDF: 53.8/56

In: 68.355+/-298.578 χ^2/NDF:50.0/49

Out: -39.466+/-293.543 χ^2/NDF:51.7/53

All: 13.528+/-209.324 χ^2/NDF: 101.7/103

asym_us_dd_at2lr_dd_dd_rms vs Slug, Sign Corrected



Right In: 1864.621+/-0.339 χ^2/NDF: 1357779.2/26

Left Out: 1624.614+/-0.267 χ^2/NDF:207257.7/23

Right Out: 1855.029+/-0.329 χ^2/NDF: 1325819.8/29

Left In: 1628.221+/-0.270 χ^2/NDF:204880.6/22

Left: 1626.403+/-0.190 χ^2/NDF: 412228.5/46

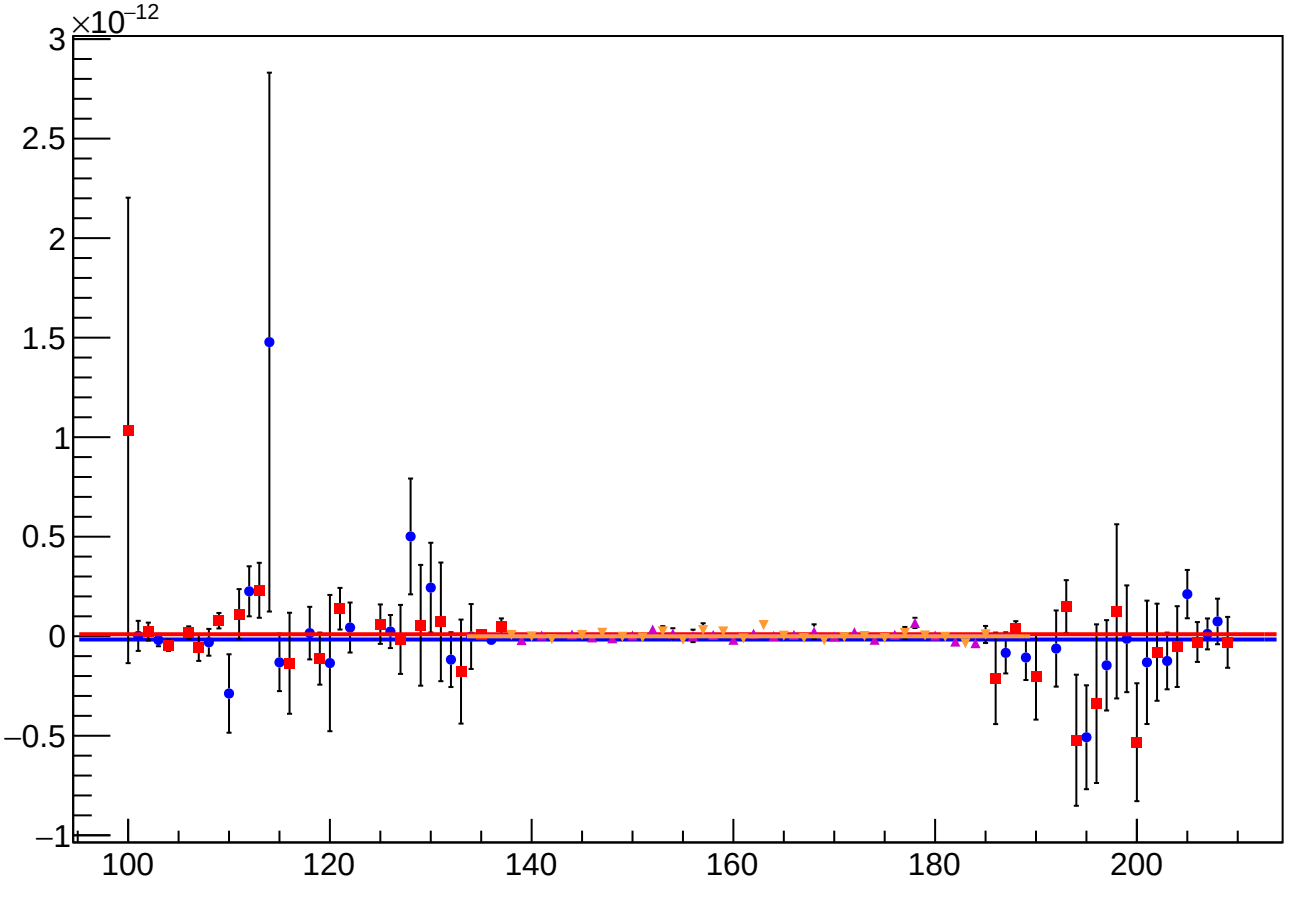
Right: 1859.677+/-0.236 χ^2/NDF: 2684010.5/56

In: 1719.671+/-0.211 χ^2/NDF:1860042.8/49

Out: 1716.240+/-0.208 χ^2/NDF:1828238.4/53

All: 1717.926+/-0.148 χ^2/NDF: 3688415.5/10

asym_us_dd_at2lr_dd_dd_reg_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.000 χ^2/NDF: 23.3/26

Left Out: -0.000+/-0.000 χ^2/NDF:22.6/23

Right Out: 0.000+/-0.000 χ^2/NDF: 27.3/29

Left In: 0.000+/-0.000 χ^2/NDF:24.2/22

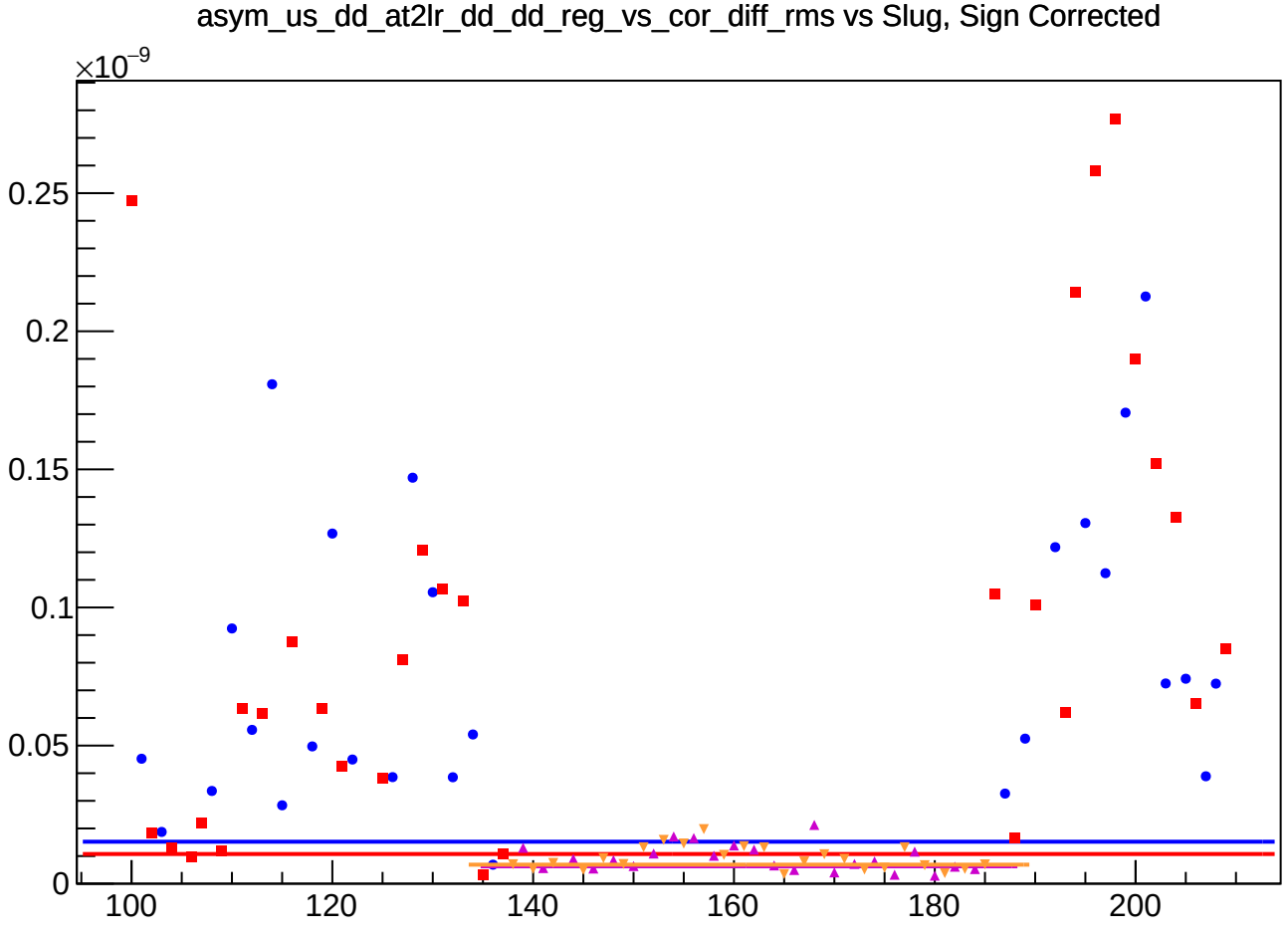
Left: 0.000+/-0.000 χ^2/NDF: 47.2/46

Right: -0.000+/-0.000 χ^2/NDF: 54.7/56

In: 0.000+/-0.000 χ^2/NDF:50.6/49

Out: 0.000+/-0.000 χ^2/NDF:51.4/53

All: 0.000+/-0.000 χ^2/NDF: 102.0/103



Right In: 0.000+/-0.000 χ^2/NDF: 8236376.6/26

Left Out: 0.000+/-0.000 χ^2/NDF:2256547.8/23

Right Out: 0.000+/-0.000 χ^2/NDF: 10370855.4/29

Left In: 0.000+/-0.000 χ^2/NDF:2888385.6/22

Left: 0.000+/-0.000 χ^2/NDF: 5189150.7/46

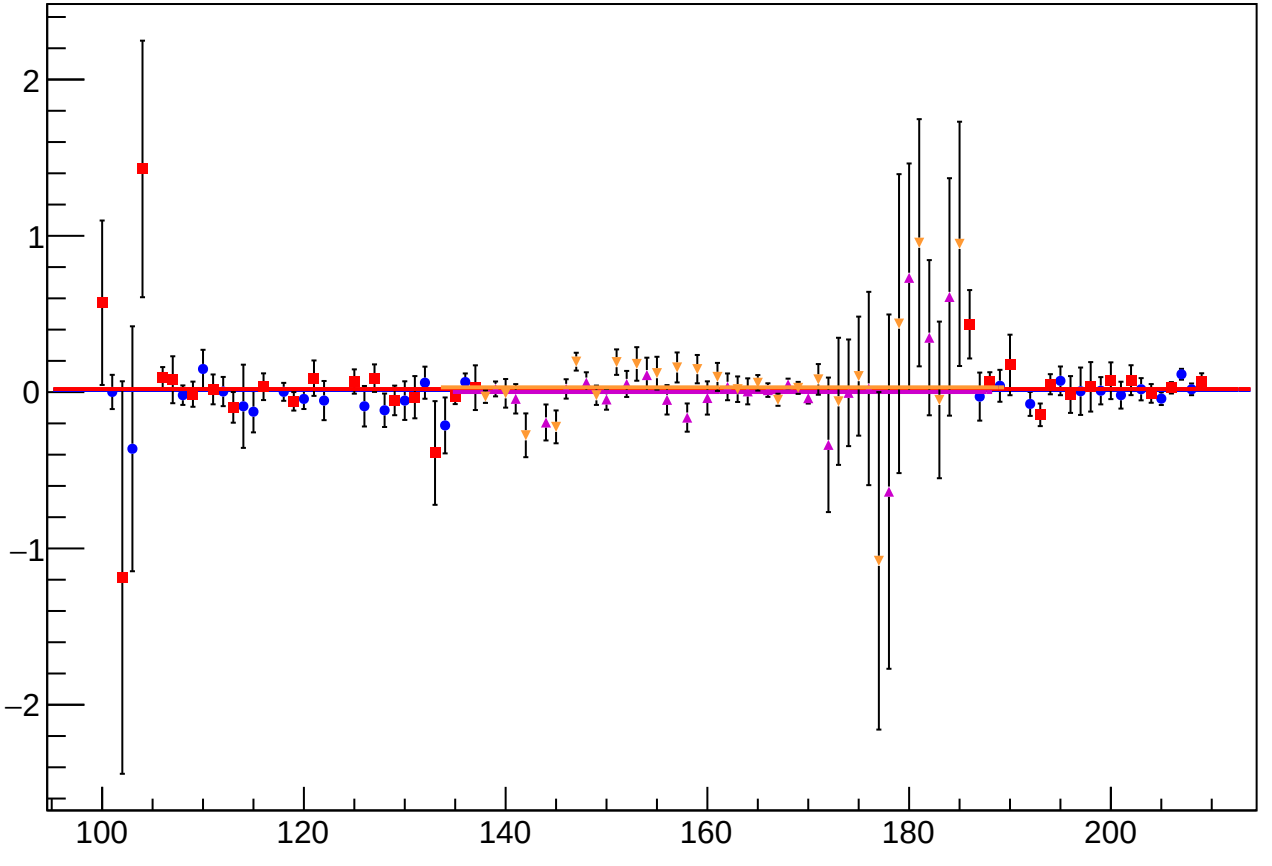
Right: 0.000+/-0.000 χ^2/NDF: 18842655.3/56

In: 0.000+/-0.000 χ^2/NDF:12618047.8/49

Out: 0.000+/-0.000 χ^2/NDF:13006902.4/53

All: 0.000+/-0.000 χ^2/NDF: 25644903.5/103

asym_us_dd_at2lr_dd_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.014+/-0.014 χ^2/NDF: 21.5/26

Left Out: 0.031+/-0.015 χ^2/NDF:41.5/23

Right Out: 0.020+/-0.015 χ^2/NDF: 26.1/29

Left In: 0.001+/-0.015 χ^2/NDF:16.0/22

Left: 0.015+/-0.011 χ^2/NDF: 59.5/46

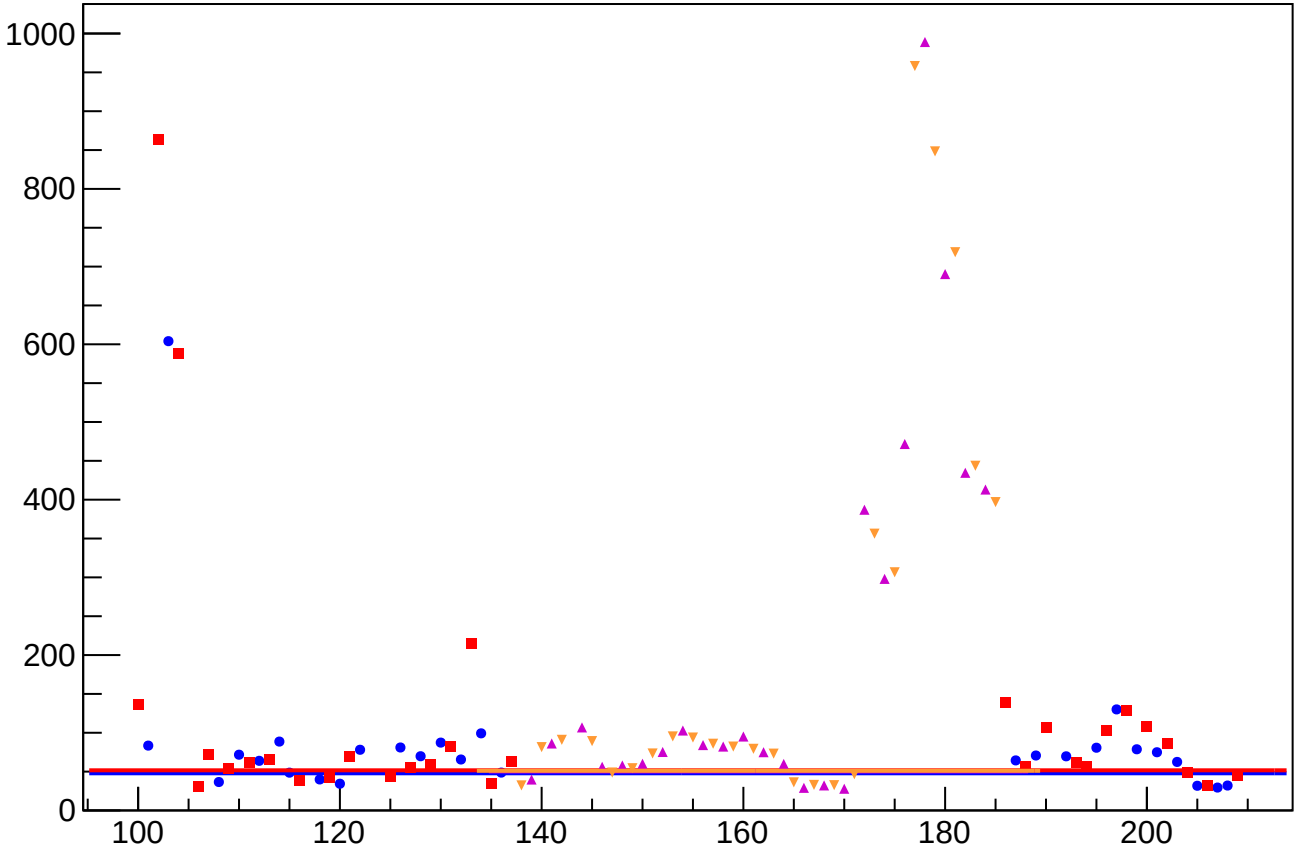
Right: 0.017+/-0.010 χ^2/NDF: 47.7/56

In: 0.008+/-0.010 χ^2/NDF:37.9/49

Out: 0.025+/-0.011 χ^2/NDF:67.9/53

All: 0.016+/-0.007 χ^2/NDF: 107.2/103

asym_us_dd_at2lr_dd_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 47.835+/-0.010 χ^2/NDF: 5242887.0/26

Left Out: 51.081+/-0.011 χ^2/NDF:11736636.7/23

Right Out: 51.674+/-0.011 χ^2/NDF: 5741651.8/29

Left In: 50.251+/-0.011 χ^2/NDF:12195723.8/22

Left: 50.660+/-0.008 χ^2/NDF: 23935280.6/46

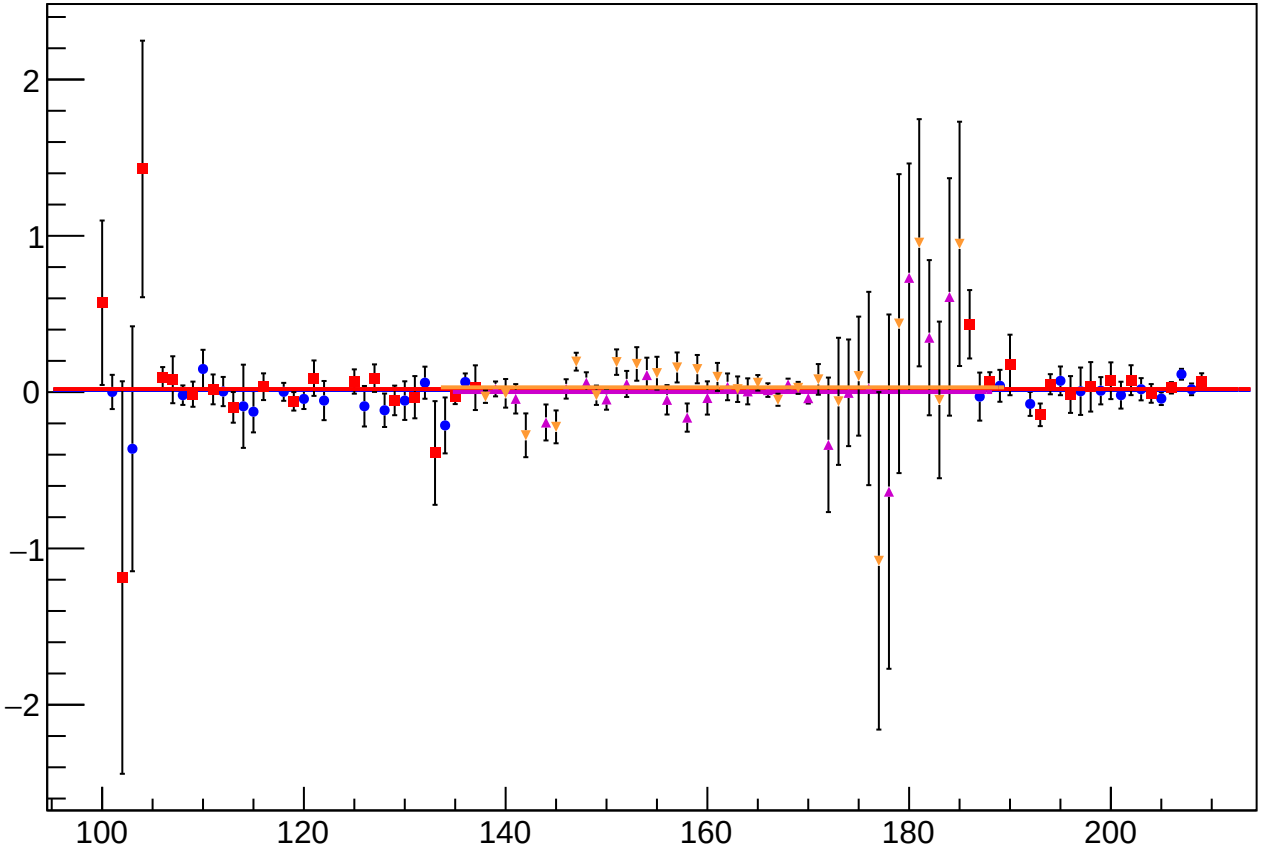
Right: 49.659+/-0.007 χ^2/NDF: 11053866.2/56

In: 48.957+/-0.007 χ^2/NDF:17465449.6/49

Out: 51.388+/-0.008 χ^2/NDF:17479807.7/53

All: 50.132+/-0.005 χ^2/NDF: 34998098.2/103

asym_us_dd_at2lr_dd_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.014+/-0.014 χ^2/NDF: 21.5/26

Left Out: 0.031+/-0.015 χ^2/NDF:41.5/23

Right Out: 0.020+/-0.015 χ^2/NDF: 26.1/29

Left In: 0.001+/-0.015 χ^2/NDF:16.0/22

Left: 0.015+/-0.011 χ^2/NDF: 59.5/46

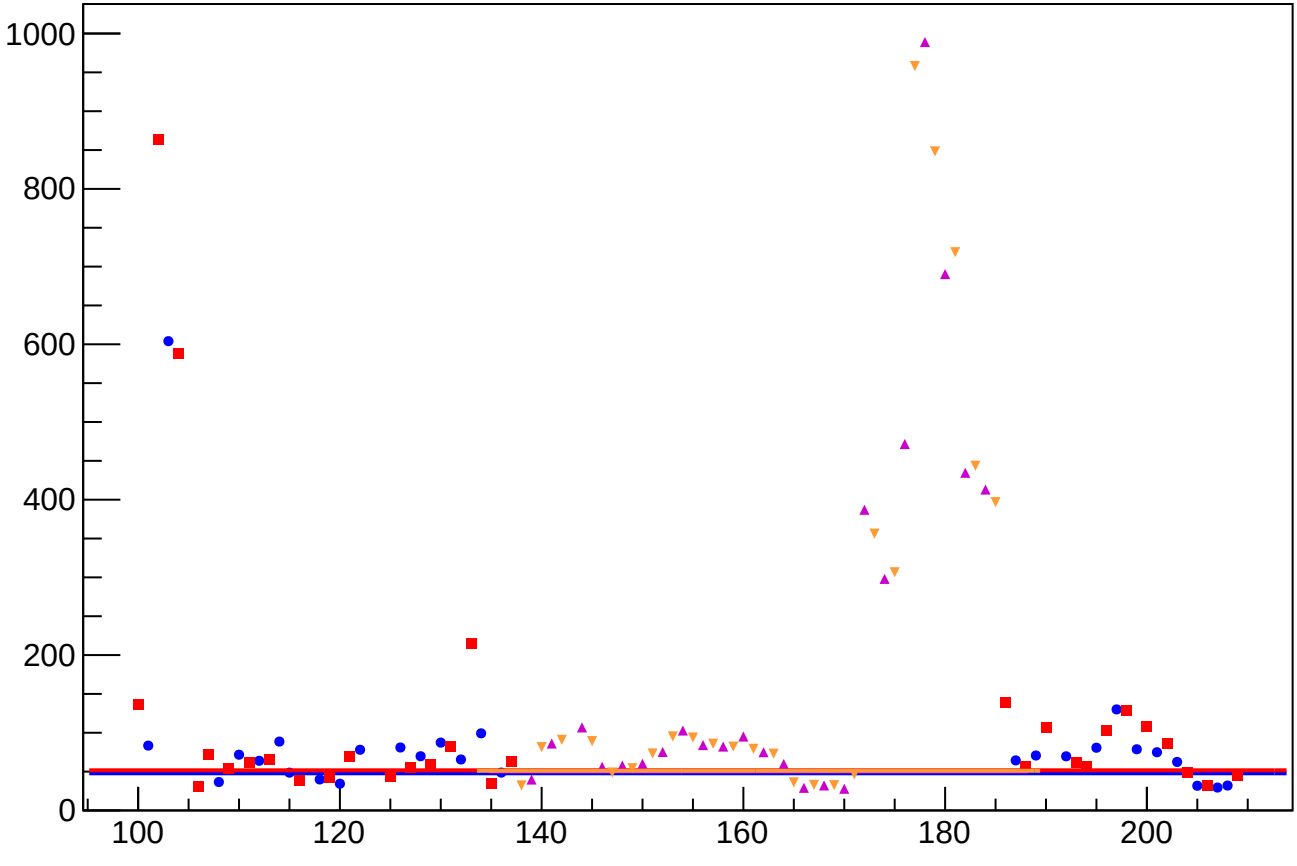
Right: 0.017+/-0.010 χ^2/NDF: 47.7/56

In: 0.008+/-0.010 χ^2/NDF:37.9/49

Out: 0.025+/-0.011 χ^2/NDF:67.9/53

All: 0.016+/-0.007 χ^2/NDF: 107.2/103

asym_us_dd_at2lr_dd_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 47.835+/-0.010 χ^2/NDF: 5242887.0/26

Left Out: 51.081+/-0.011 χ^2/NDF:11736636.7/23

Right Out: 51.674+/-0.011 χ^2/NDF: 5741651.8/29

Left In: 50.251+/-0.011 χ^2/NDF:12195723.8/22

Left: 50.660+/-0.008 χ^2/NDF: 23935280.6/46

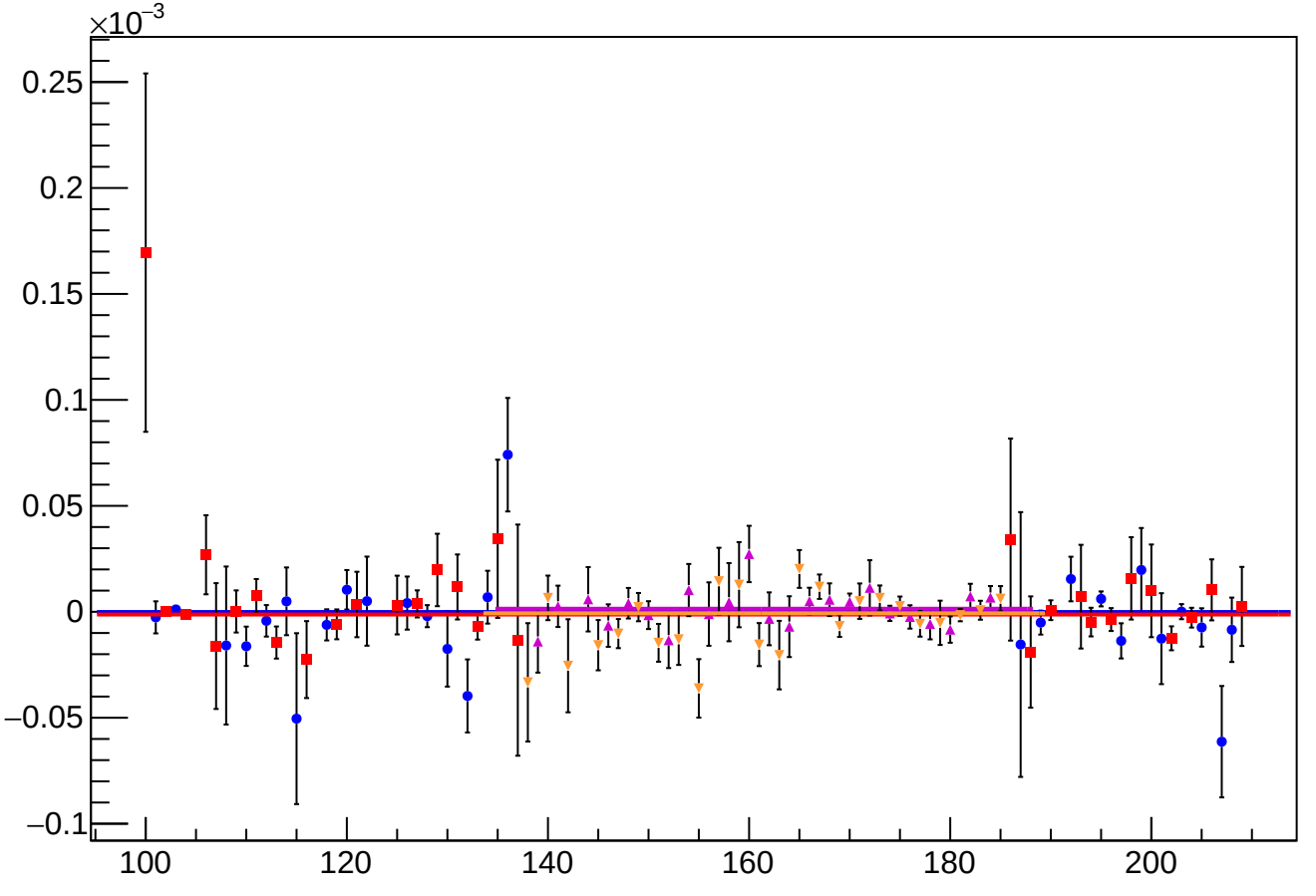
Right: 49.659+/-0.007 χ^2/NDF: 11053866.2/56

In: 48.957+/-0.007 χ^2/NDF:17465449.6/49

Out: 51.388+/-0.008 χ^2/NDF:17479807.7/53

All: 50.132+/-0.005 χ^2/NDF: 34998098.2/103

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: 38.6/26

Left Out: -0.000+/-0.000 χ^2/NDF:38.5/23

Right Out: -0.000+/-0.000 χ^2/NDF: 25.6/29

Left In: 0.000+/-0.000 χ^2/NDF:16.4/22

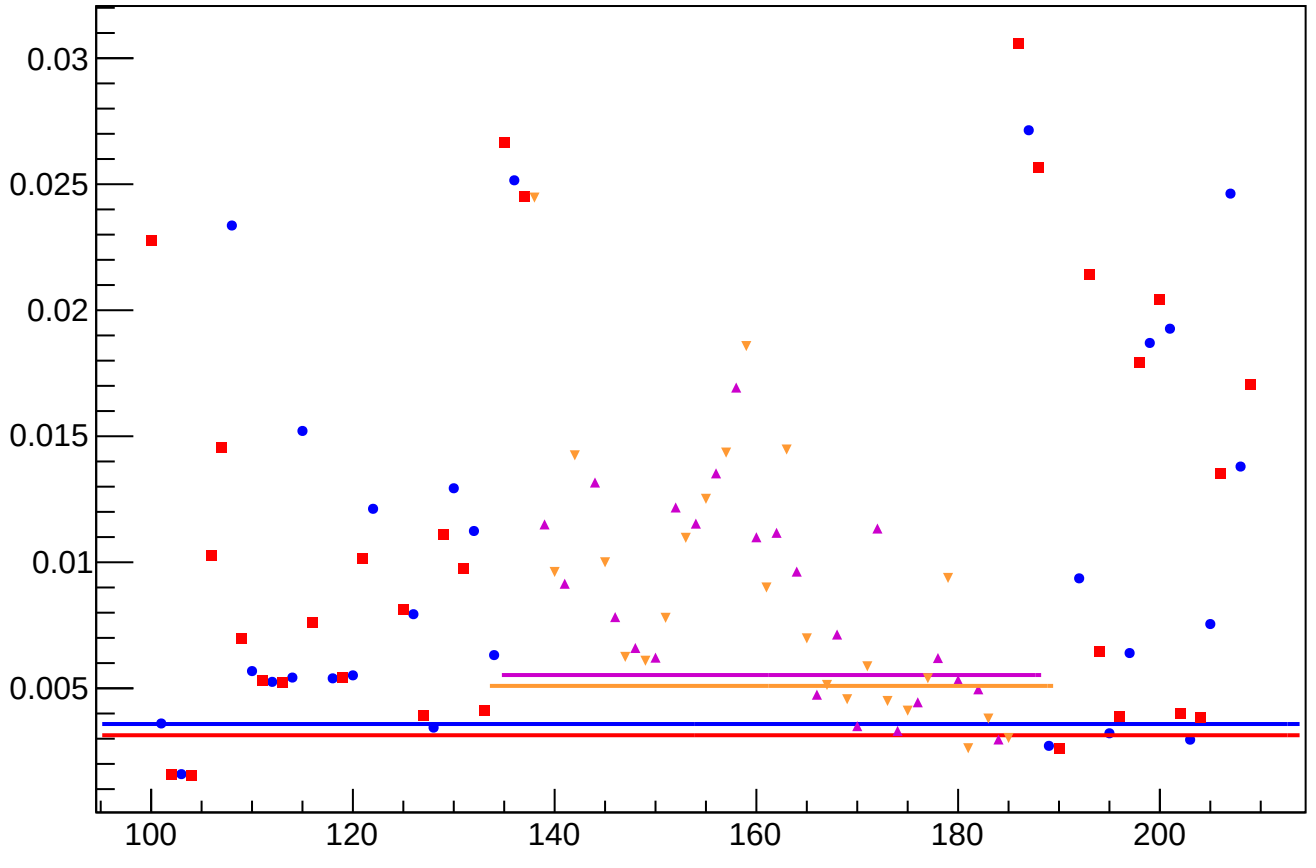
Left: 0.000+/-0.000 χ^2/NDF: 56.0/46

Right: -0.000+/-0.000 χ^2/NDF: 64.7/56

In: 0.000+/-0.000 χ^2/NDF:55.7/49

Out: -0.000+/-0.000 χ^2/NDF:64.2/53

All: -0.000+/-0.000 χ^2/NDF: 121.4/103



Right In: 0.004+/-0.000 χ^2/NDF: 12019542.9/26

Left Out: 0.005+/-0.000 χ^2/NDF:8380878.9/23

Right Out: 0.003+/-0.000 χ^2/NDF: 15140613.9/29

Left In: 0.006+/-0.000 χ^2/NDF:6892708.8/22

Left: 0.005+/-0.000 χ^2/NDF: 15361726.2/46

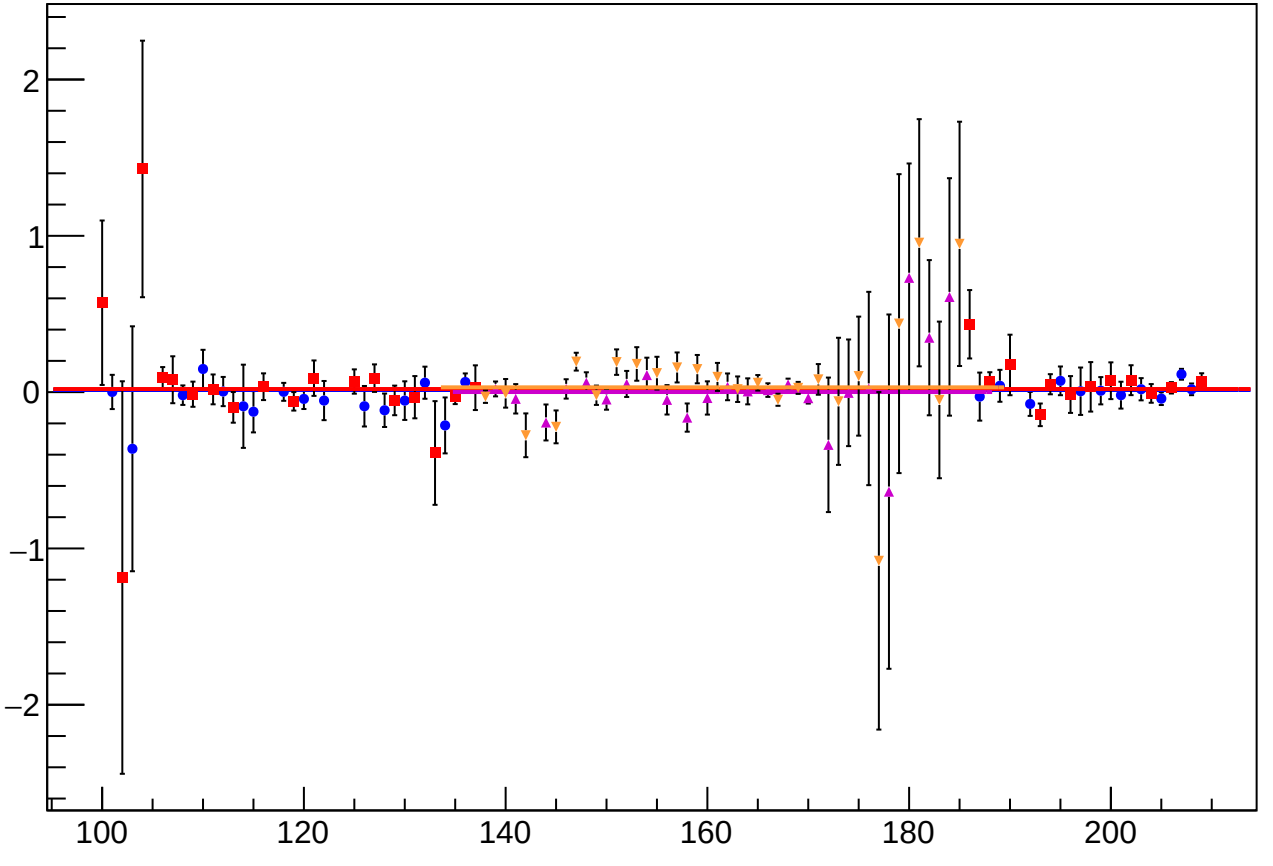
Right: 0.003+/-0.000 χ^2/NDF: 27299630.2/56

In: 0.004+/-0.000 χ^2/NDF:20849798.2/49

Out: 0.004+/-0.000 χ^2/NDF:25946326.1/53

All: 0.004+/-0.000 χ^2/NDF: 47084731.1/103

asym_us_dd_at2lr_dd_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.014+/-0.014 χ^2/NDF: 21.5/26

Left Out: 0.031+/-0.015 χ^2/NDF:41.5/23

Right Out: 0.020+/-0.015 χ^2/NDF: 26.1/29

Left In: 0.001+/-0.015 χ^2/NDF:16.0/22

Left: 0.015+/-0.011 χ^2/NDF: 59.5/46

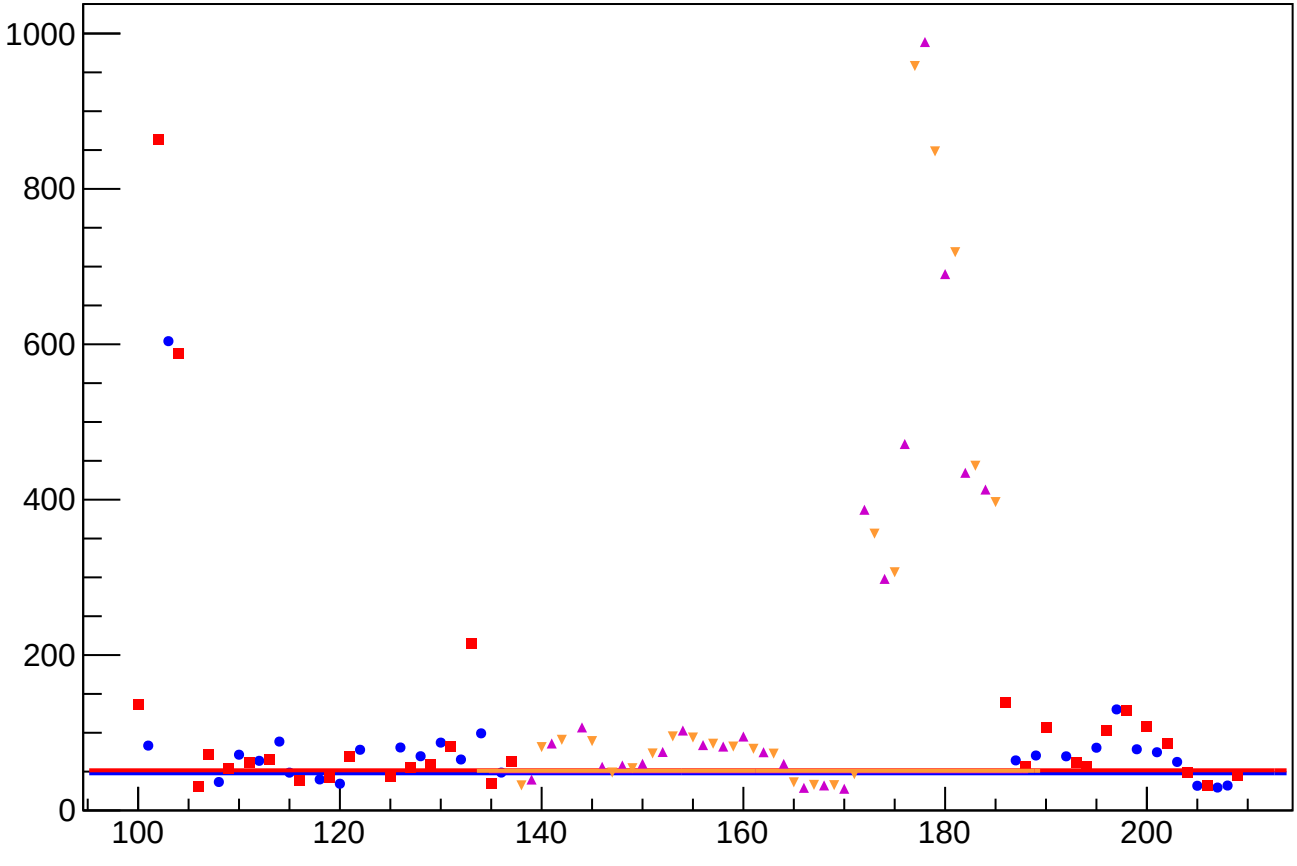
Right: 0.017+/-0.010 χ^2/NDF: 47.7/56

In: 0.008+/-0.010 χ^2/NDF:37.9/49

Out: 0.025+/-0.011 χ^2/NDF:67.9/53

All: 0.016+/-0.007 χ^2/NDF: 107.2/103

asym_us_dd_at2lr_dd_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 47.835+/-0.010 χ^2/NDF: 5242762.6/26

Left Out: 51.083+/-0.011 χ^2/NDF:11735805.5/23

Right Out: 51.675+/-0.011 χ^2/NDF: 5741361.4/29

Left In: 50.251+/-0.011 χ^2/NDF:12195665.4/22

Left: 50.661+/-0.008 χ^2/NDF: 23934407.8/46

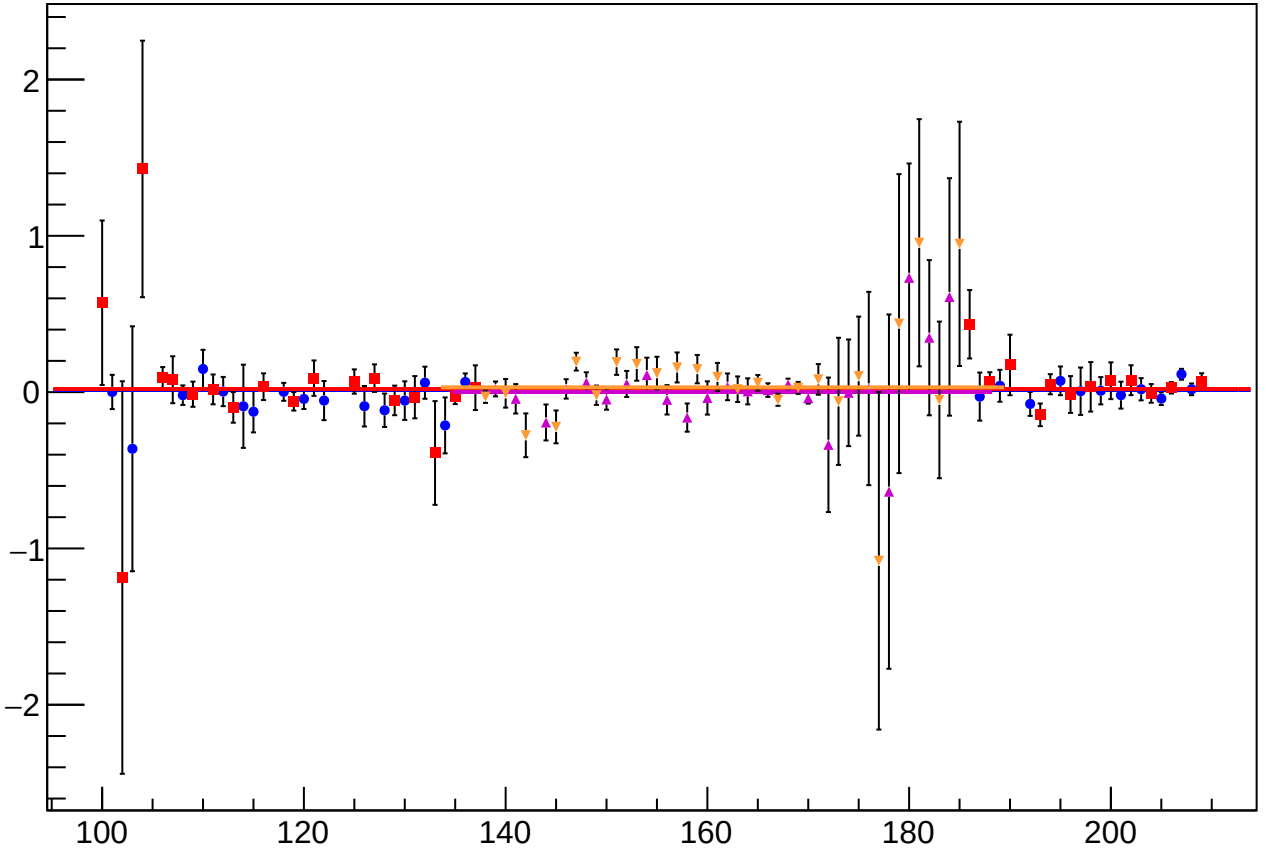
Right: 49.660+/-0.007 χ^2/NDF: 11053496.1/56

In: 48.957+/-0.007 χ^2/NDF:17465259.5/49

Out: 51.390+/-0.008 χ^2/NDF:17478682.0/53

All: 50.133+/-0.005 χ^2/NDF: 34996859.6/103

asym_us_dd_at2lr_dd_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.014+/-0.014 χ^2/NDF: 21.5/26

Left Out: 0.031+/-0.015 χ^2/NDF:41.5/23

Right Out: 0.020+/-0.015 χ^2/NDF: 26.1/29

Left In: 0.001+/-0.015 χ^2/NDF:16.0/22

Left: 0.015+/-0.011 χ^2/NDF: 59.5/46

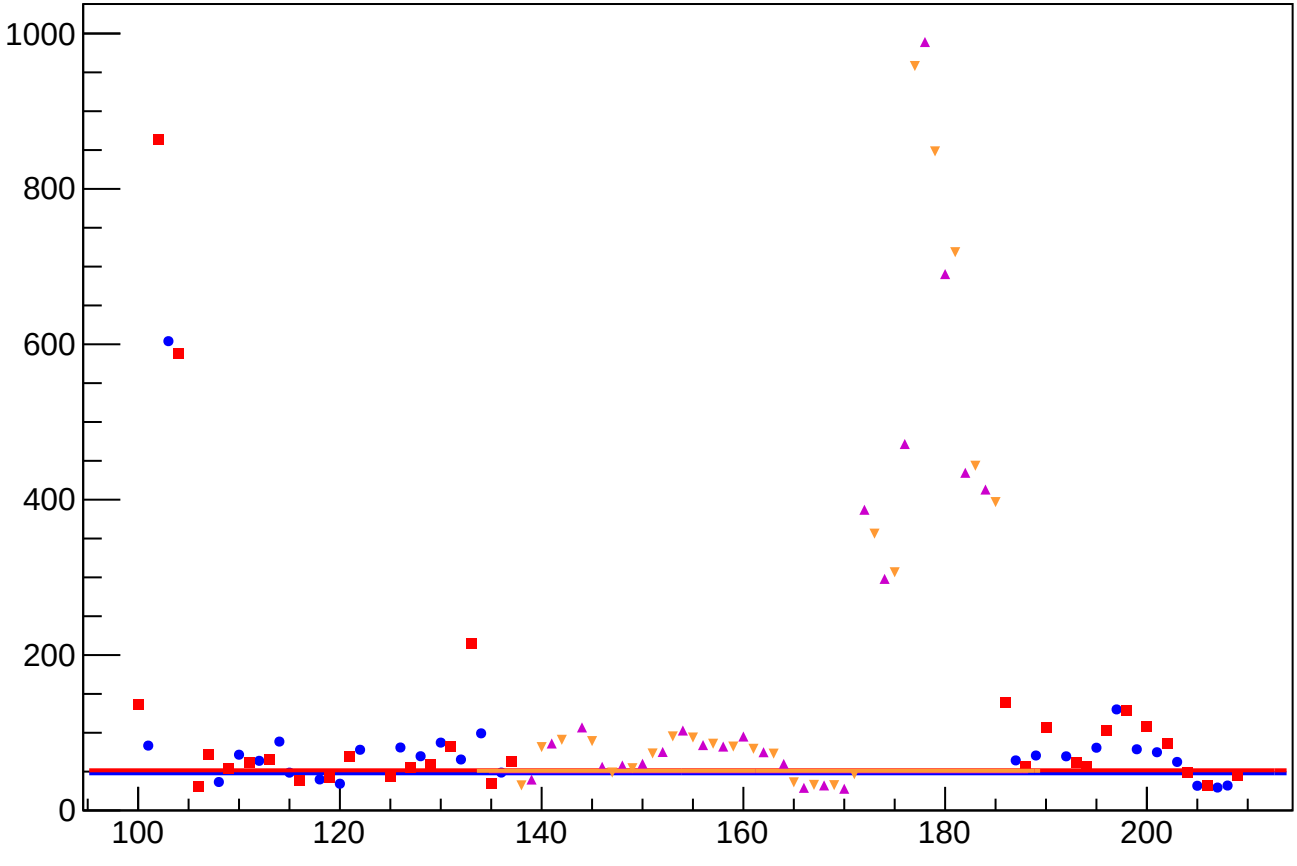
Right: 0.017+/-0.010 χ^2/NDF: 47.7/56

In: 0.008+/-0.010 χ^2/NDF:37.9/49

Out: 0.025+/-0.011 χ^2/NDF:67.9/53

All: 0.016+/-0.007 χ^2/NDF: 107.2/103

asym_us_dd_at2lr_dd_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 47.835+/-0.010 χ^2/NDF: 5242762.6/26

Left Out: 51.083+/-0.011 χ^2/NDF:11735805.5/23

Right Out: 51.675+/-0.011 χ^2/NDF: 5741361.4/29

Left In: 50.251+/-0.011 χ^2/NDF:12195665.4/22

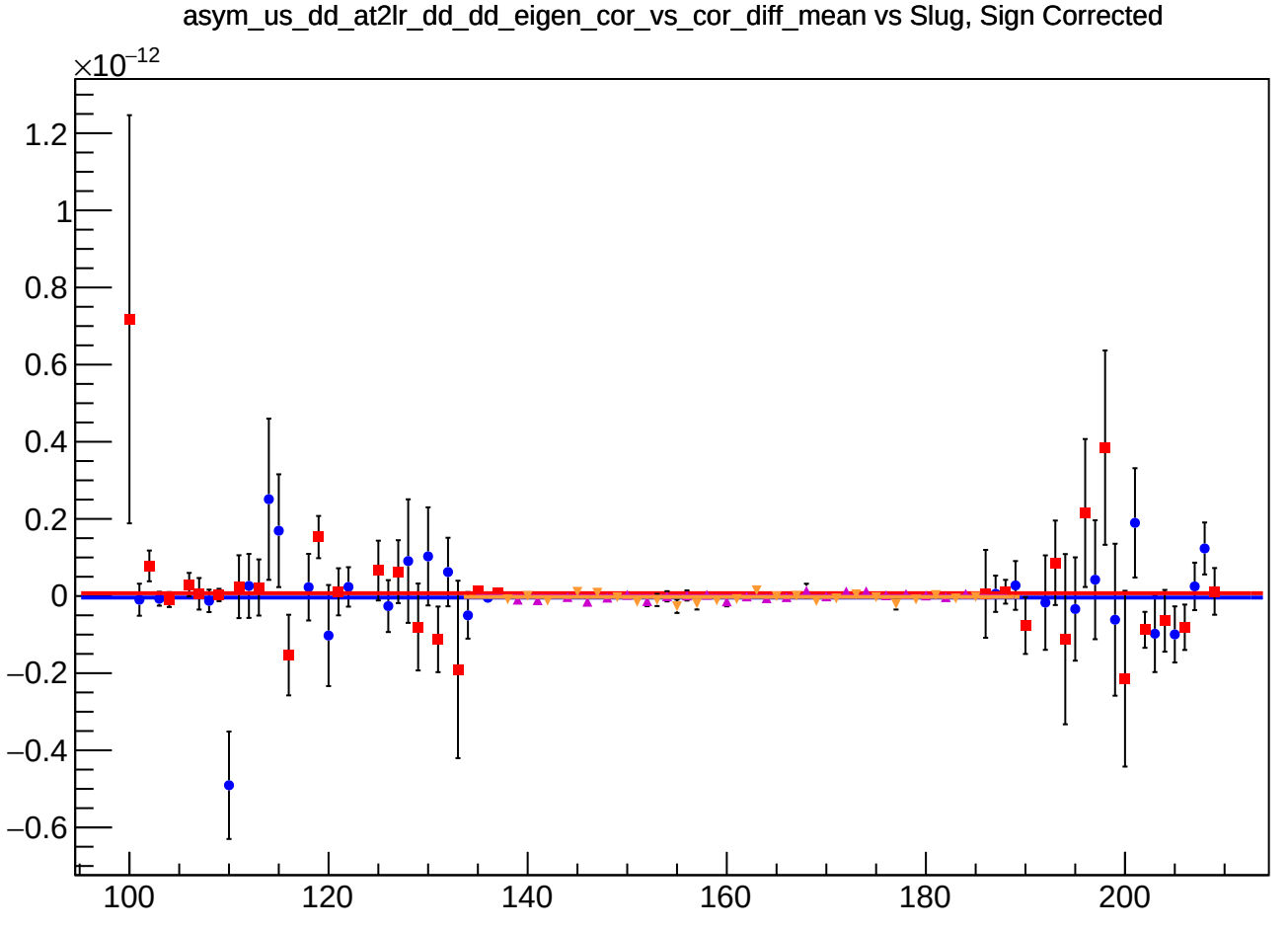
Left: 50.661+/-0.008 χ^2/NDF: 23934407.8/46

Right: 49.660+/-0.007 χ^2/NDF: 11053496.1/56

In: 48.957+/-0.007 χ^2/NDF:17465259.5/49

Out: 51.390+/-0.008 χ^2/NDF:17478682.0/53

All: 50.133+/-0.005 χ^2/NDF: 34996859.6/103



Right In: -0.000+/-0.000 χ^2/NDF: 27.4/26

Left Out: -0.000+/-0.000 χ^2/NDF:22.2/23

Right Out: 0.000+/-0.000 χ^2/NDF: 34.0/29

Left In: -0.000+/-0.000 χ^2/NDF:18.2/22

Left: -0.000+/-0.000 χ^2/NDF: 41.4/46

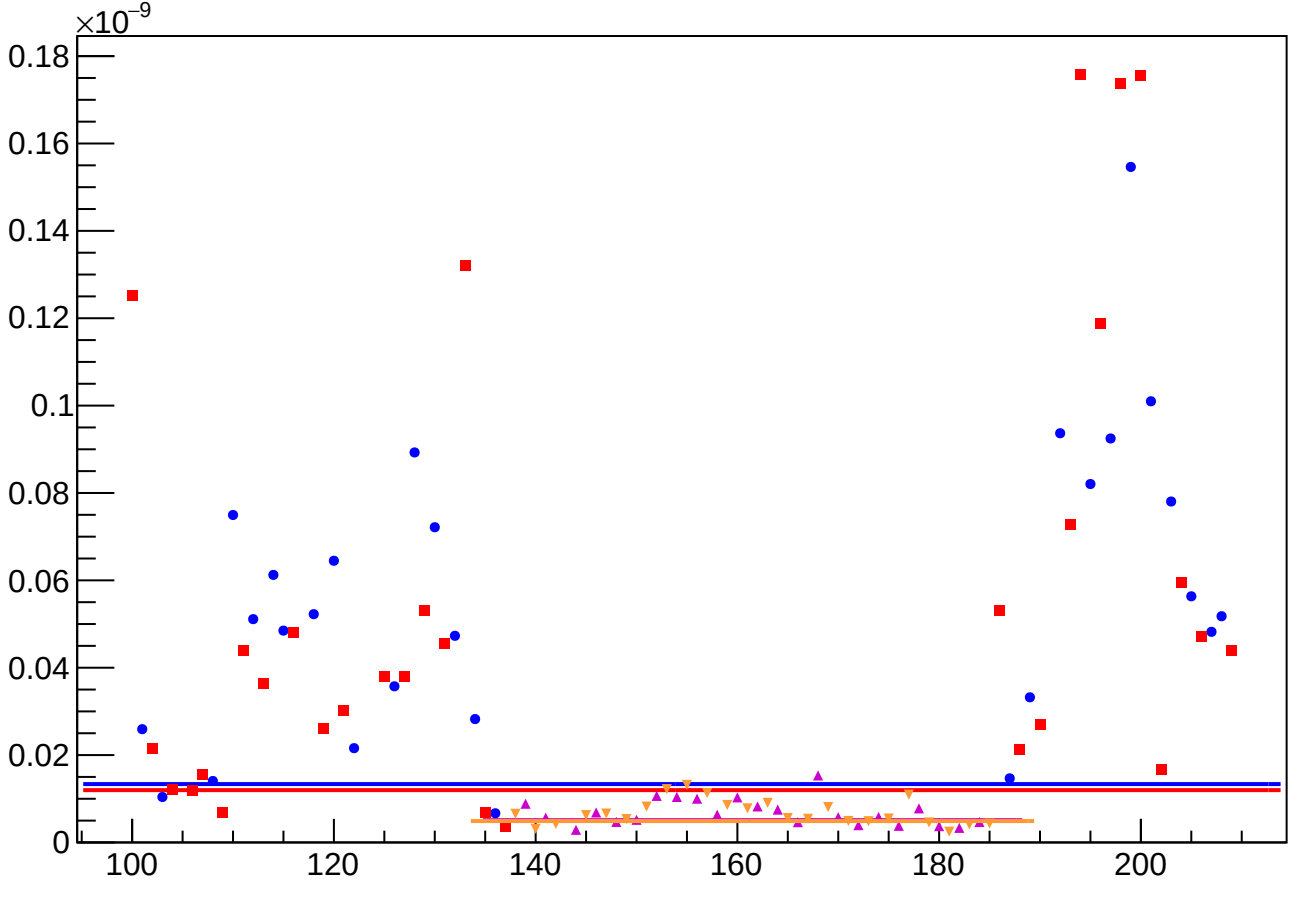
Right: 0.000+/-0.000 χ^2/NDF: 63.0/56

In: -0.000+/-0.000 χ^2/NDF:45.9/49

Out: -0.000+/-0.000 χ^2/NDF:58.6/53

All: -0.000+/-0.000 χ^2/NDF: 105.0/103

asym_us_dd_at2lr_dd_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 11616982.8/26

Left Out: 0.000+/-0.000 χ^2/NDF:4312108.9/23

Right Out: 0.000+/-0.000 χ^2/NDF: 11060517.9/29

Left In: 0.000+/-0.000 χ^2/NDF:3777059.0/22

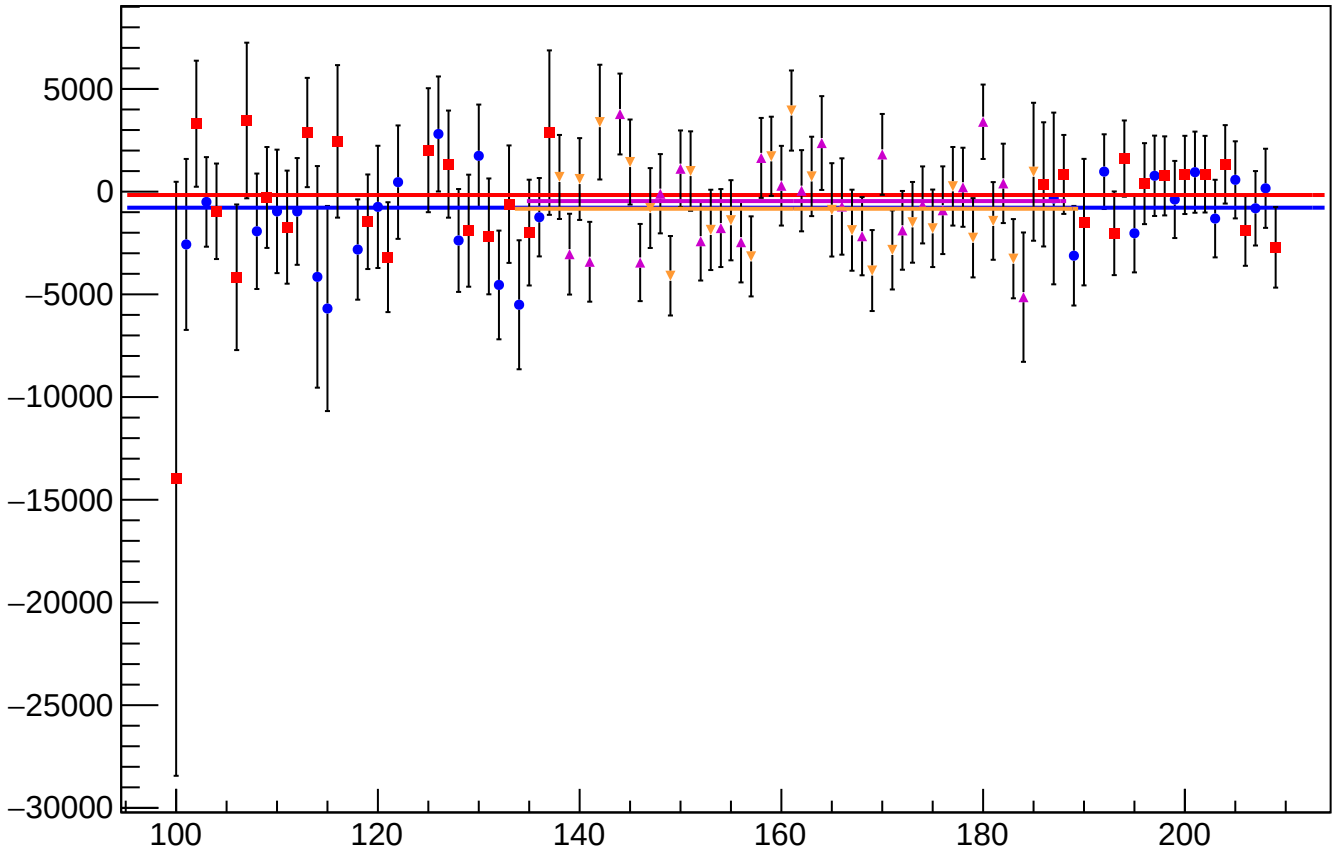
Left: 0.000+/-0.000 χ^2/NDF: 8107483.0/46

Right: 0.000+/-0.000 χ^2/NDF: 22725023.4/56

In: 0.000+/-0.000 χ^2/NDF:18375833.6/49

Out: 0.000+/-0.000 χ^2/NDF:17888791.8/53

All: 0.000+/-0.000 χ^2/NDF: 36291359.5/103



Right In: -780.948+/-454.026 χ^2/NDF: 14.6/26

Left Out: -832.582+/-410.448 χ^2/NDF:25.4/23

Right Out: -163.780+/-441.651 χ^2/NDF: 17.6/29

Left In: -459.594+/-413.637 χ^2/NDF:27.3/22

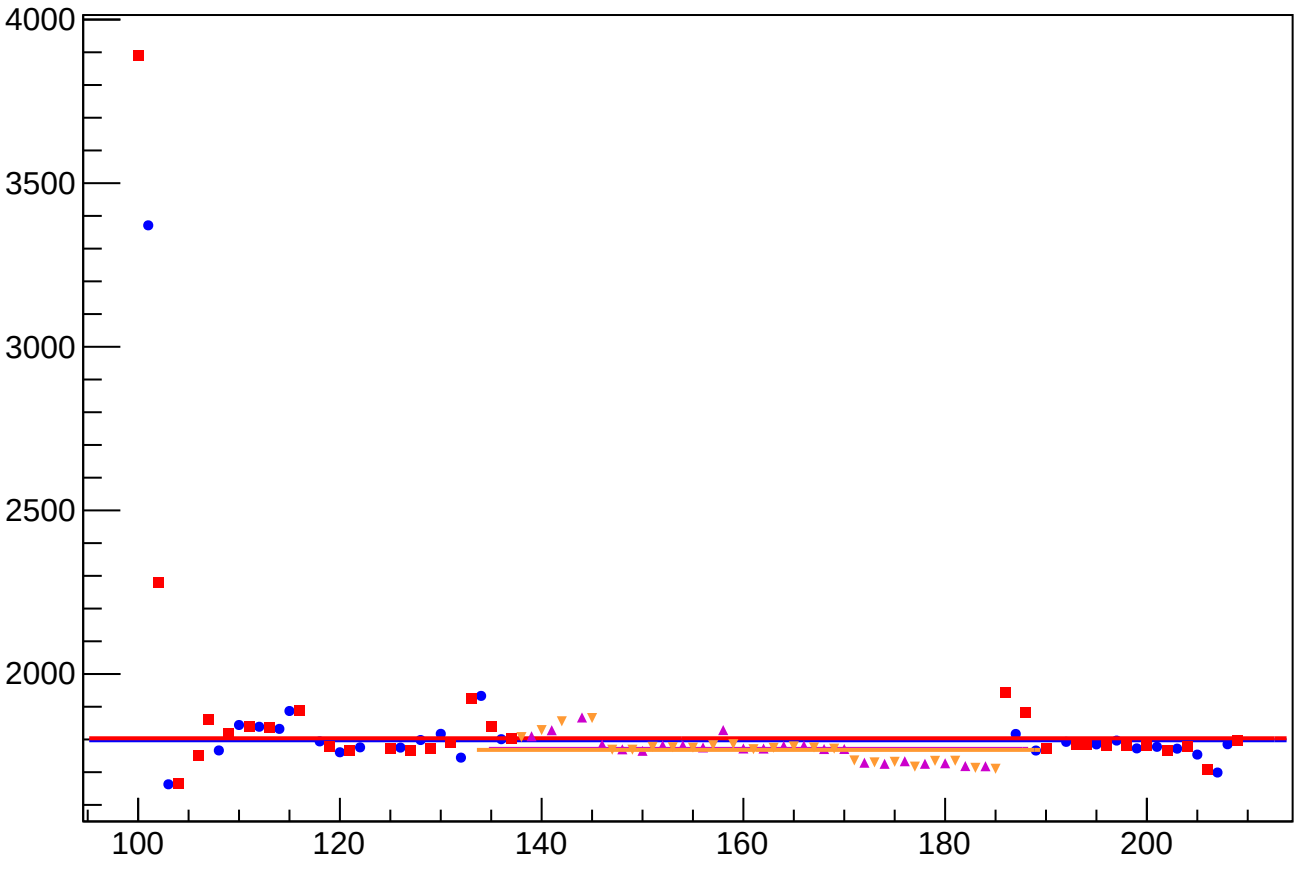
Left: -647.532+/-291.352 χ^2/NDF: 53.1/46

Right: -463.838+/-316.579 χ^2/NDF: 33.1/56

In: -605.345+/-305.770 χ^2/NDF:42.2/49

Out: -522.639+/-300.657 χ^2/NDF:44.2/53

All: -563.295+/-214.381 χ^2/NDF: 86.4/103



Right In: 1797.545+/-0.321 χ^2/NDF: 309218.7/26

Left Out: 1768.125+/-0.290 χ^2/NDF:16358.2/23

Right Out: 1803.619+/-0.312 χ^2/NDF: 121914.1/29

Left In: 1771.217+/-0.292 χ^2/NDF:16425.7/22

Left: 1769.659+/-0.206 χ^2/NDF: 32840.2/46

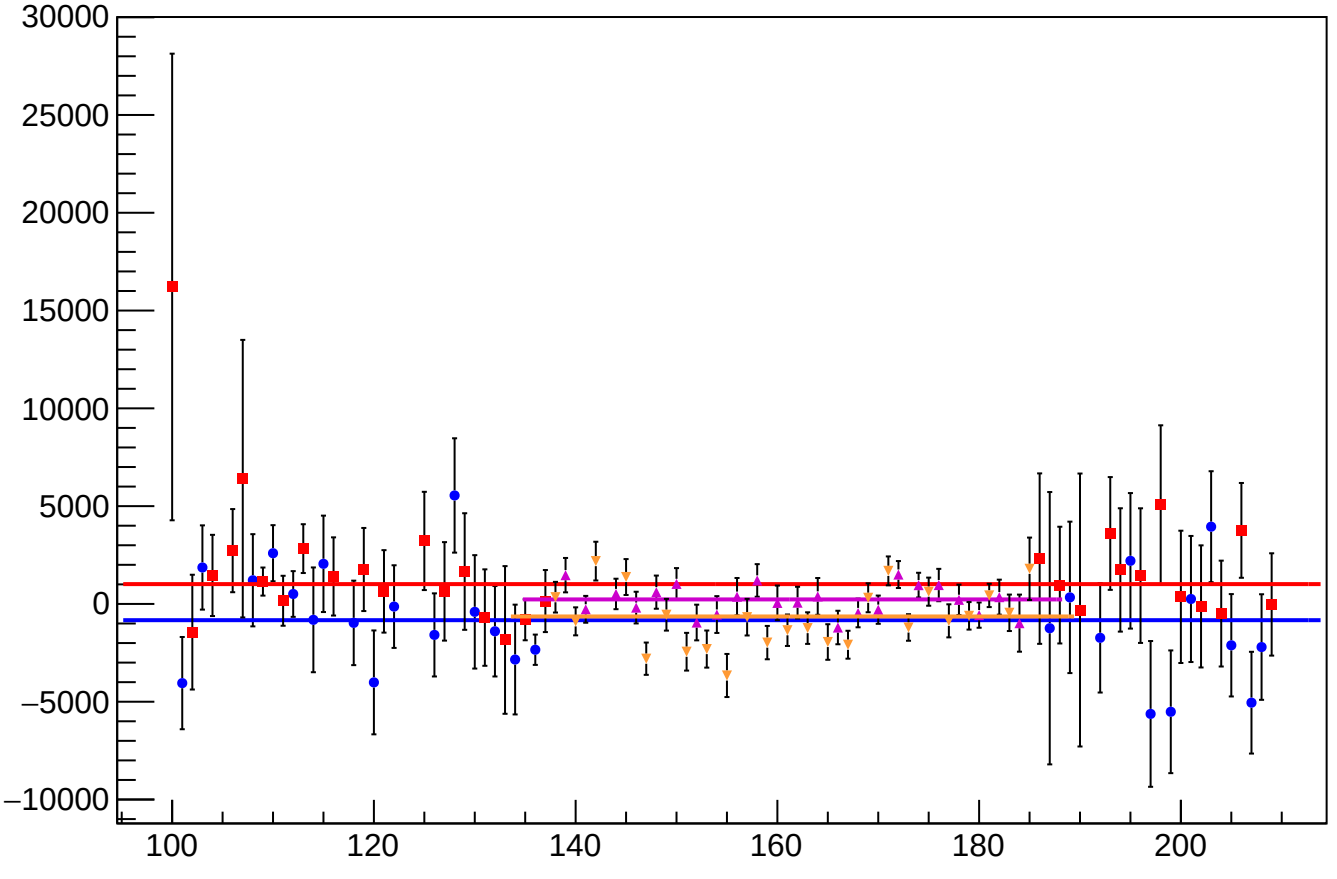
Right: 1800.666+/-0.224 χ^2/NDF: 431316.7/56

In: 1783.159+/-0.216 χ^2/NDF:329319.4/49

Out: 1784.574+/-0.213 χ^2/NDF:145203.4/53

All: 1783.878+/-0.152 χ^2/NDF: 474544.6/103

asym_us_dd_atlr_dd_avg_reg_correction_mean vs Slug, Sign Corrected



Right In: -830.775+/-400.346 χ^2/NDF: 34.3/26

Left Out: -641.029+/-166.449 χ^2/NDF:66.7/23

Right Out: 1013.603+/-361.428 χ^2/NDF: 15.5/29

Left In: 230.653+/-168.319 χ^2/NDF:19.9/22

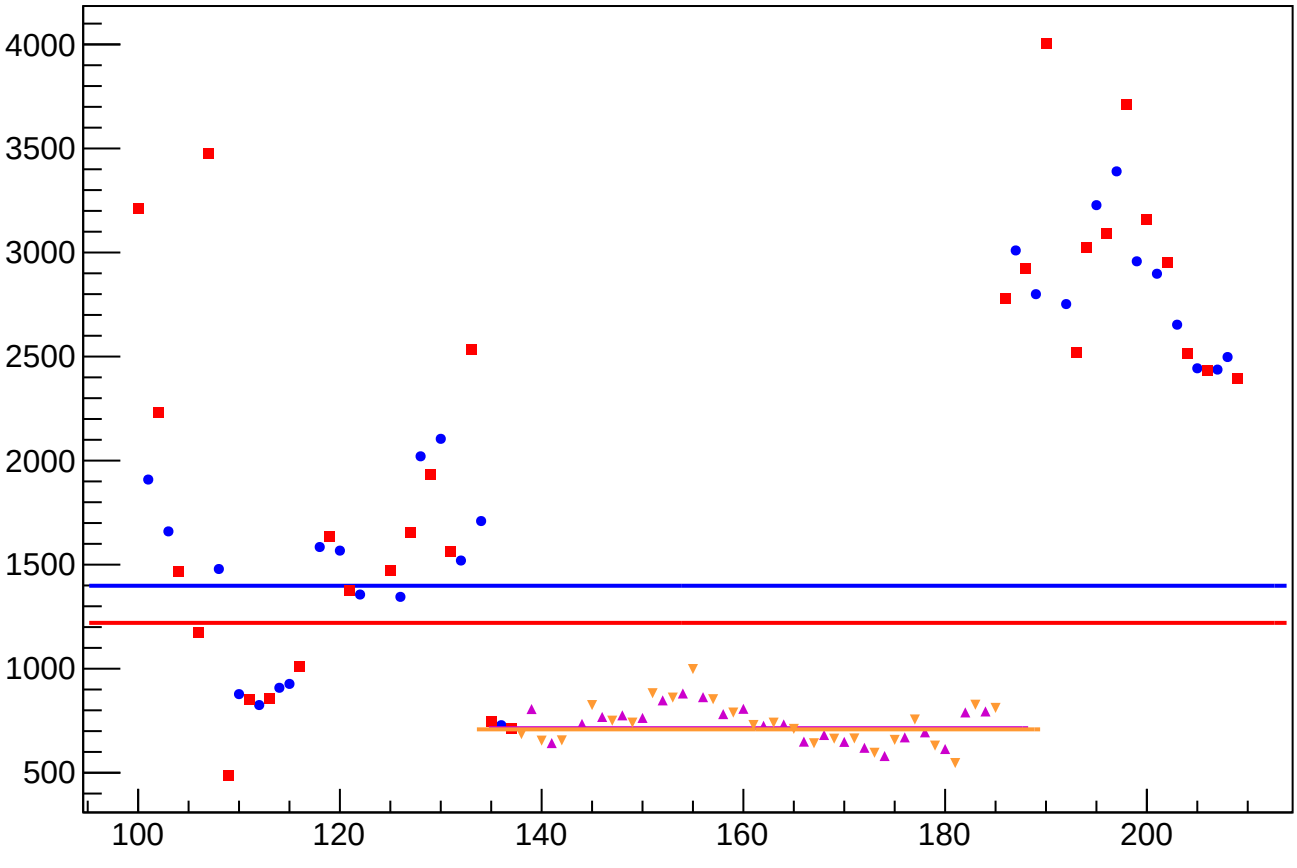
Left: -210.057+/-118.353 χ^2/NDF: 100.2/46

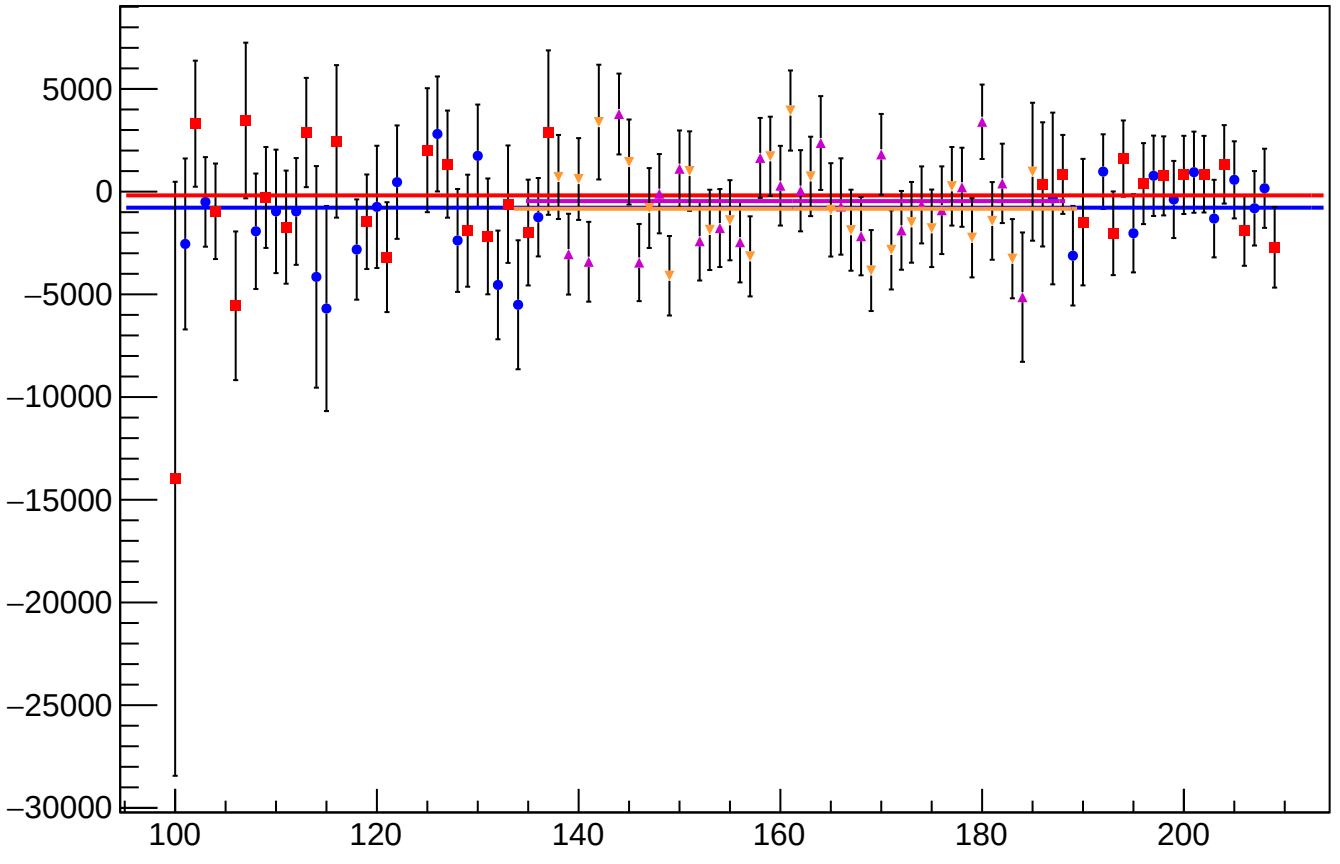
Right: 185.394+/-268.275 χ^2/NDF: 61.5/56

In: 71.213+/-155.163 χ^2/NDF:60.2/49

Out: -351.504+/-151.187 χ^2/NDF:99.5/53

All: -145.631+/-108.284 χ^2/NDF: 163.5/103


asym_us_dd_atlr_dd_avg_reg_correction_rms vs Slug, Sign Corrected
4000
3500
3000
2500
2000
1500
1000
500
100
120
140
160
180
200
Right In: 1398.589+/-0.283 χ²/NDF: 7024552.7/26
Left Out: 708.503+/-0.118 χ²/NDF:700473.3/23
Right Out: 1220.223+/-0.256 χ²/NDF: 10409797.6/29
Left In: 714.162+/-0.119 χ²/NDF:497246.5/22
Left: 711.301+/-0.084 χ²/NDF: 1198862.9/46
Right: 1300.317+/-0.190 χ²/NDF: 17653075.9/56
In: 816.972+/-0.110 χ²/NDF:12489139.2/49
Out: 798.043+/-0.107 χ²/NDF:14417898.4/53
All: 807.261+/-0.077 χ²/NDF: 26922306.6/10



Right In: -780.705+/-454.026 χ^2/NDF: 14.6/26

Left Out: -832.476+/-410.448 χ^2/NDF:25.4/23

Right Out: -181.895+/-441.791 χ^2/NDF: 18.5/29

Left In: -459.554+/-413.637 χ^2/NDF:27.3/22

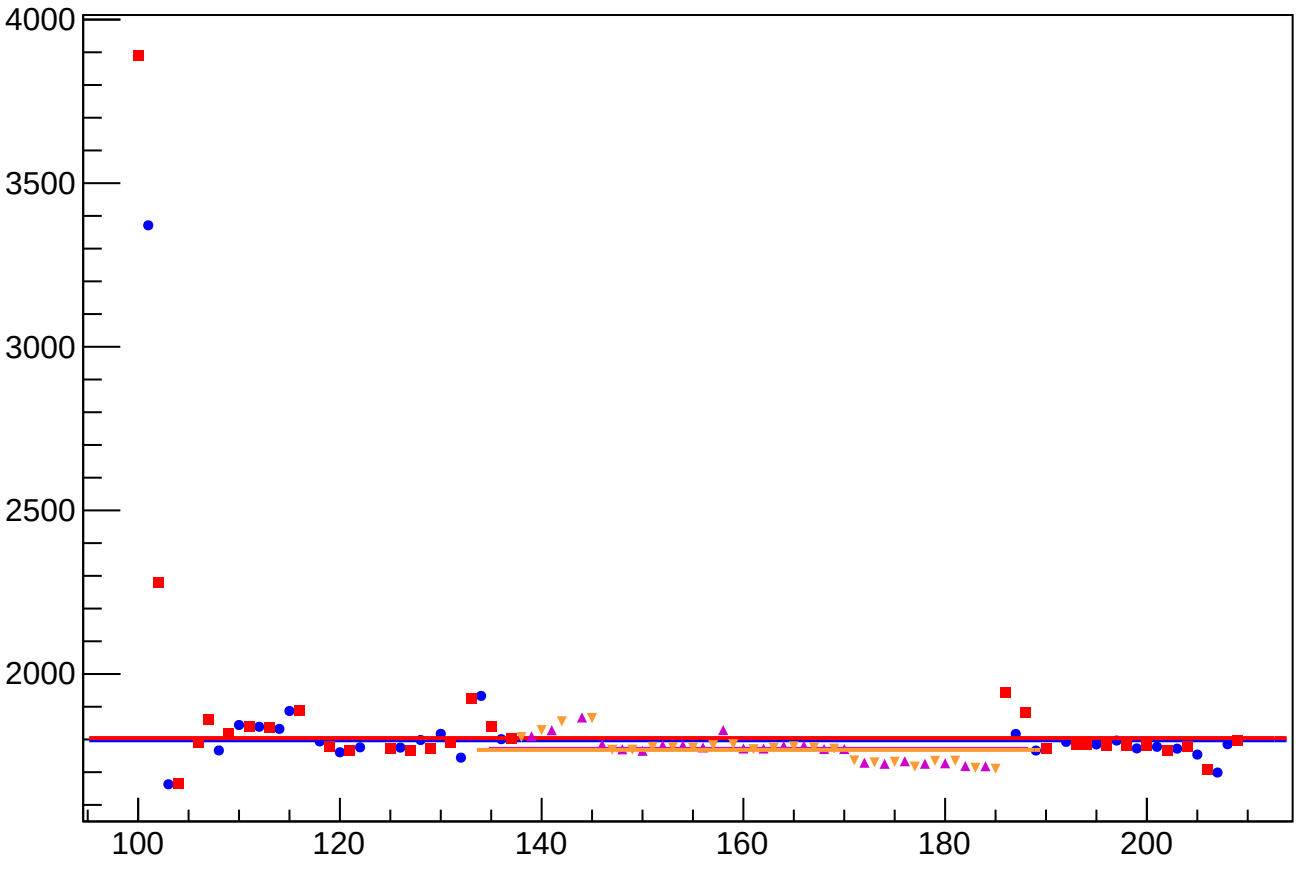
Left: -647.458+/-291.352 χ^2/NDF: 53.1/46

Right: -473.123+/-316.631 χ^2/NDF: 34.0/56

In: -605.212+/-305.770 χ^2/NDF:42.2/49

Out: -531.080+/-300.701 χ^2/NDF:45.1/53

All: -567.527+/-214.397 χ^2/NDF: 87.3/103



Right In: 1797.545+/-0.321 χ^2/NDF: 309220.6/26

Left Out: 1768.125+/-0.290 χ^2/NDF:16358.2/23

Right Out: 1804.262+/-0.312 χ^2/NDF: 121485.0/29

Left In: 1771.217+/-0.292 χ^2/NDF:16425.7/22

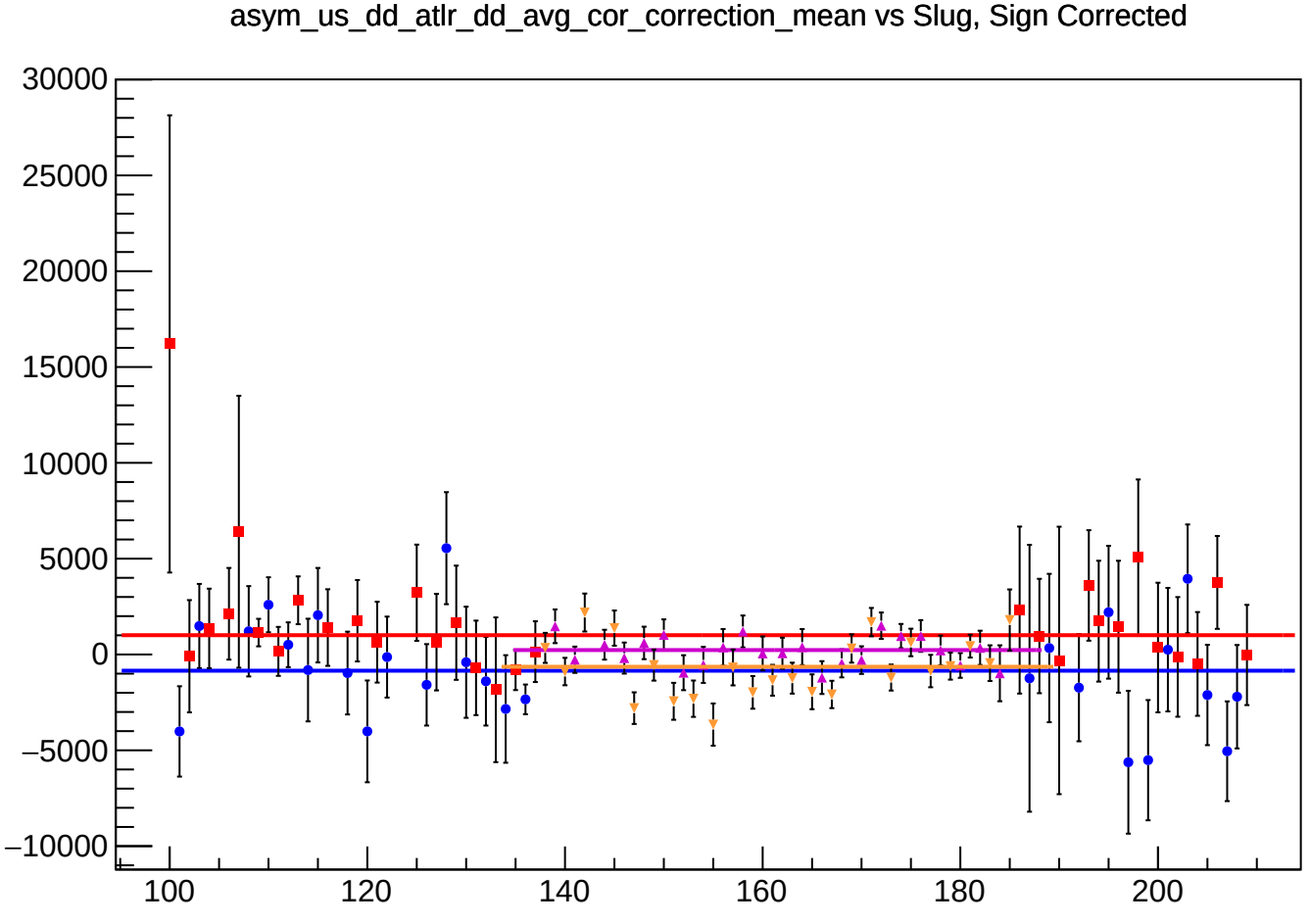
Left: 1769.659+/-0.206 χ^2/NDF: 32840.2/46

Right: 1800.995+/-0.224 χ^2/NDF: 430930.4/56

In: 1783.159+/-0.216 χ^2/NDF:329321.2/49

Out: 1784.866+/-0.213 χ^2/NDF:145025.2/53

All: 1784.027+/-0.152 χ^2/NDF: 474378.2/103



Right In: -846.289+/-400.621 χ^2/NDF: 33.8/26

Left Out: -641.004+/-166.450 χ^2/NDF:66.7/23

Right Out: 1006.749+/-362.507 χ^2/NDF: 14.5/29

Left In: 230.572+/-168.320 χ^2/NDF:19.9/22

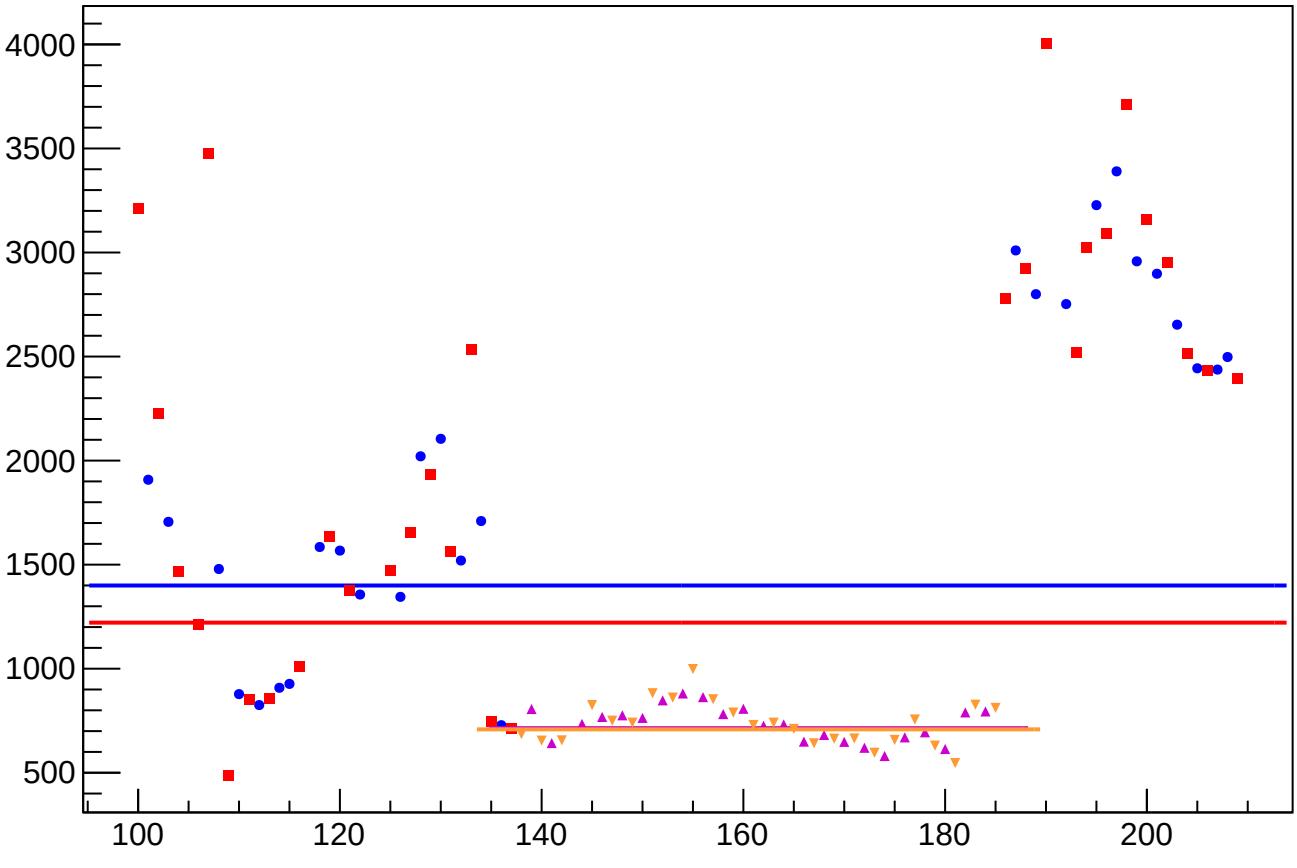
Left: -210.085+/-118.354 χ^2/NDF: 100.2/46

Right: 172.547+/-268.799 χ^2/NDF: 60.1/56

In: 69.000+/-155.180 χ^2/NDF:59.9/49

Out: -354.095+/-151.267 χ^2/NDF:98.3/53

All: -147.950+/-108.319 χ^2/NDF: 162.0/103



Right In: 1399.748+/-0.283 χ^2/NDF: 7033819.6/26

Left Out: 708.508+/-0.118 χ^2/NDF:700448.7/23

Right Out: 1221.349+/-0.256 χ^2/NDF: 10407801.3/29

Left In: 714.168+/-0.119 χ^2/NDF:497252.3/22

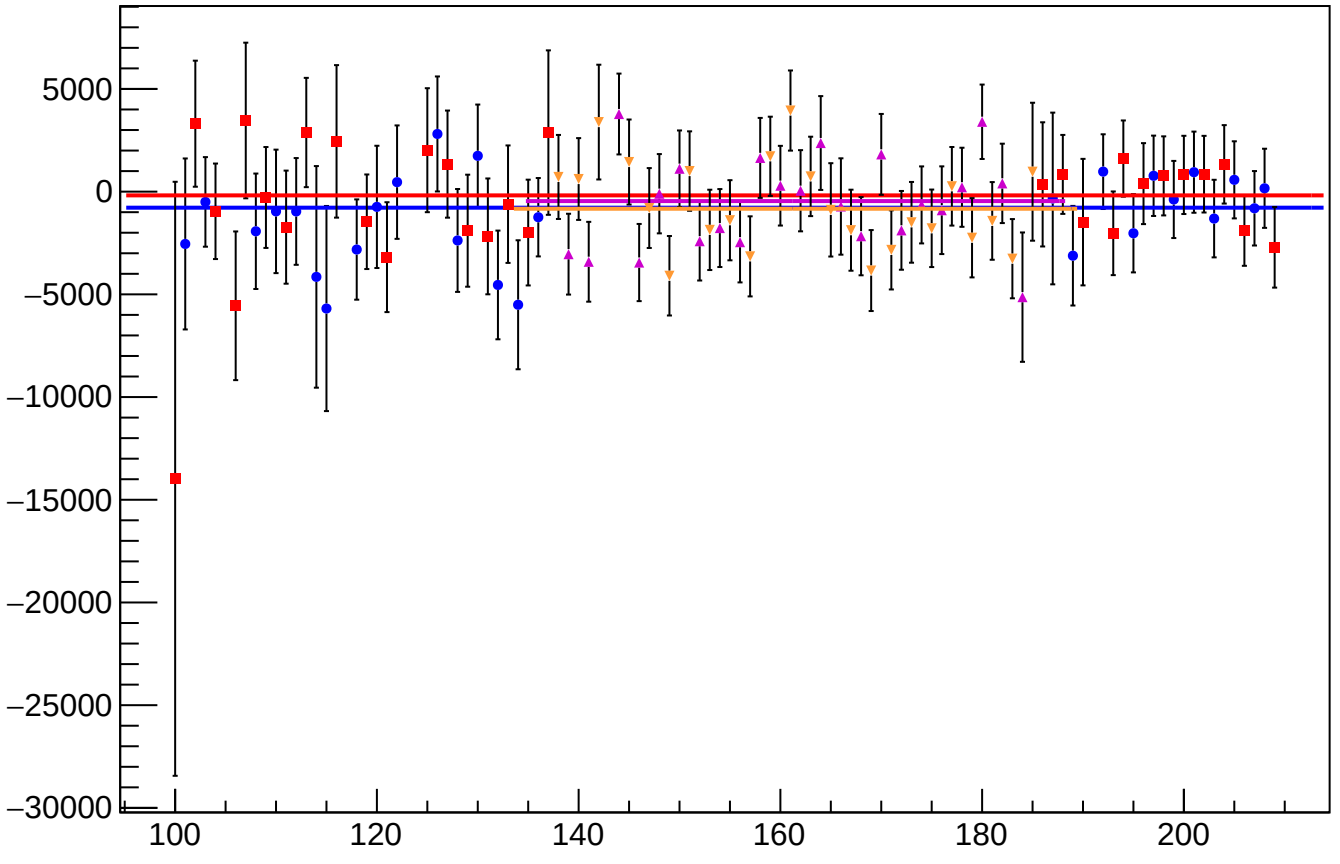
Left: 711.307+/-0.084 χ^2/NDF: 1198844.2/46

Right: 1301.661+/-0.190 χ^2/NDF: 17659677.7/56

In: 817.032+/-0.110 χ^2/NDF:12509344.3/49

Out: 797.805+/-0.107 χ^2/NDF:14414058.0/53

All: 807.173+/-0.077 χ^2/NDF: 26939146.3/10



Right In: -780.705+/-454.026 χ^2/NDF: 14.6/26

Left Out: -832.476+/-410.448 χ^2/NDF:25.4/23

Right Out: -181.895+/-441.791 χ^2/NDF: 18.5/29

Left In: -459.554+/-413.637 χ^2/NDF:27.3/22

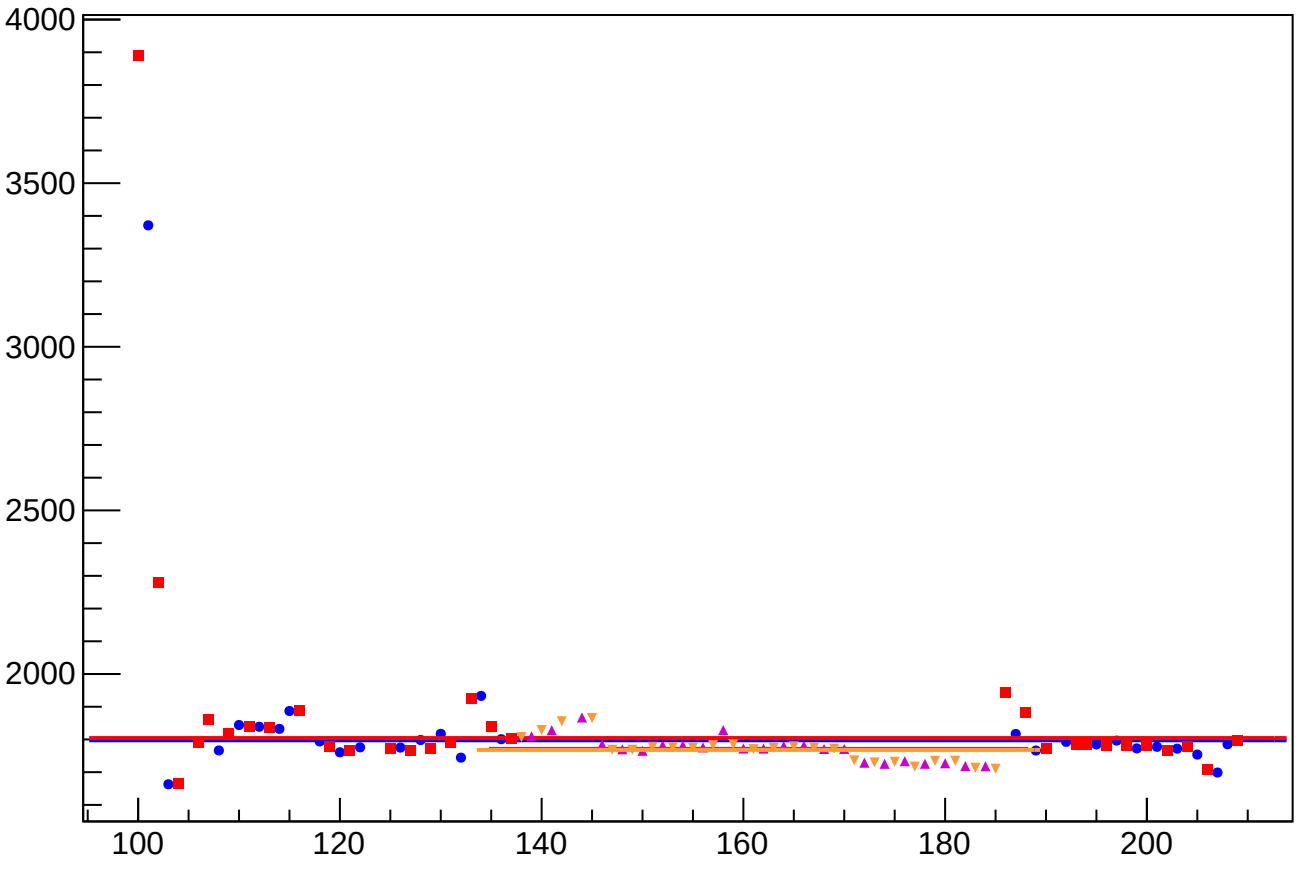
Left: -647.458+/-291.352 χ^2/NDF: 53.1/46

Right: -473.123+/-316.631 χ^2/NDF: 34.0/56

In: -605.212+/-305.770 χ^2/NDF:42.2/49

Out: -531.080+/-300.701 χ^2/NDF:45.1/53

All: -567.527+/-214.397 χ^2/NDF: 87.3/103



Right In: 1797.545+/-0.321 χ^2/NDF: 309220.6/26

Left Out: 1768.125+/-0.290 χ^2/NDF:16358.2/23

Right Out: 1804.262+/-0.312 χ^2/NDF: 121485.0/29

Left In: 1771.217+/-0.292 χ^2/NDF:16425.7/22

Left: 1769.659+/-0.206 χ^2/NDF: 32840.2/46

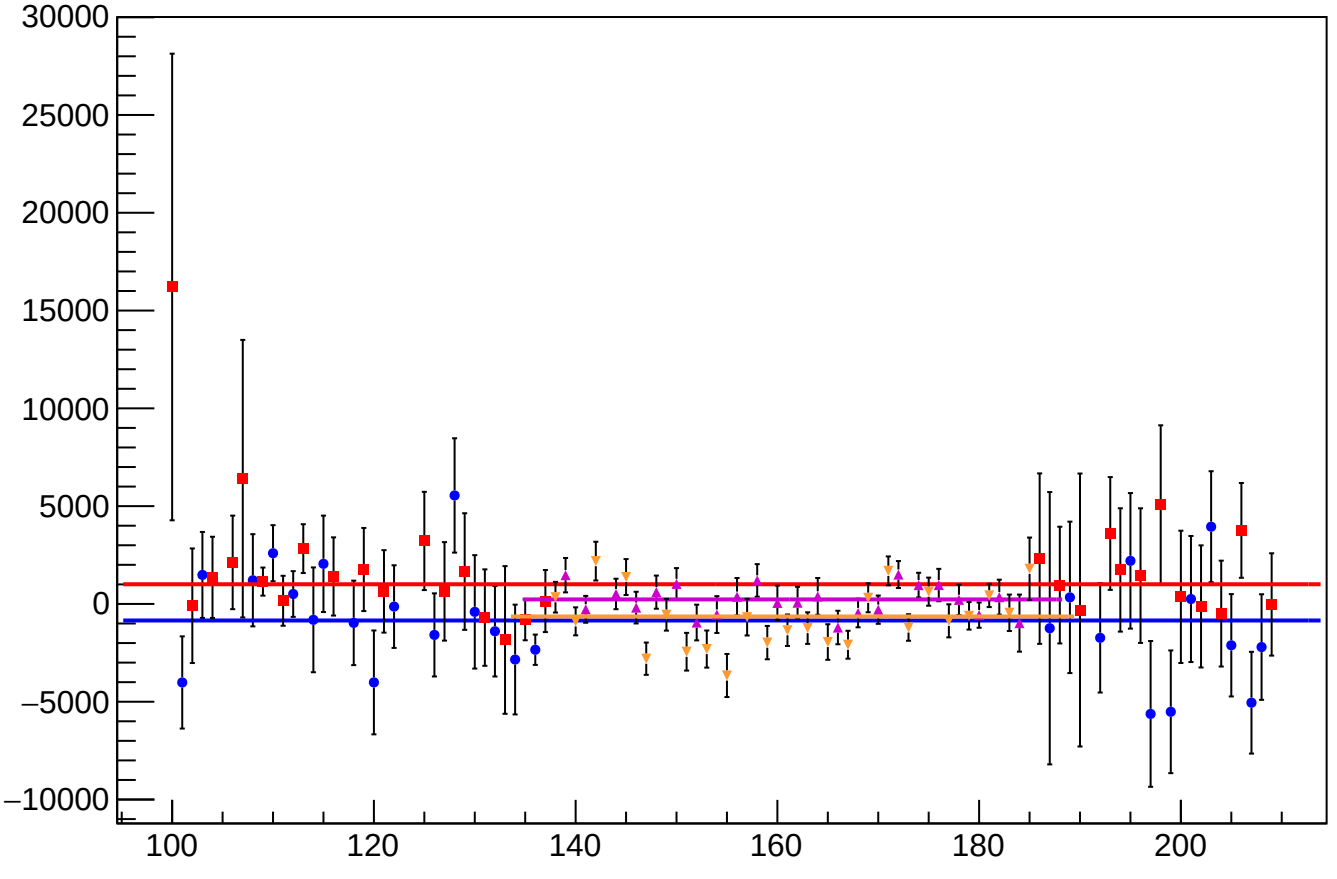
Right: 1800.995+/-0.224 χ^2/NDF: 430930.4/56

In: 1783.159+/-0.216 χ^2/NDF:329321.2/49

Out: 1784.866+/-0.213 χ^2/NDF:145025.2/53

All: 1784.027+/-0.152 χ^2/NDF: 474378.2/103

asym_us_dd_atlr_dd_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -846.289+/-400.621 χ^2/NDF: 33.8/26

Left Out: -641.004+/-166.450 χ^2/NDF:66.7/23

Right Out: 1006.749+/-362.507 χ^2/NDF: 14.5/29

Left In: 230.572+/-168.320 χ^2/NDF:19.9/22

Left: -210.085+/-118.354 χ^2/NDF: 100.2/46

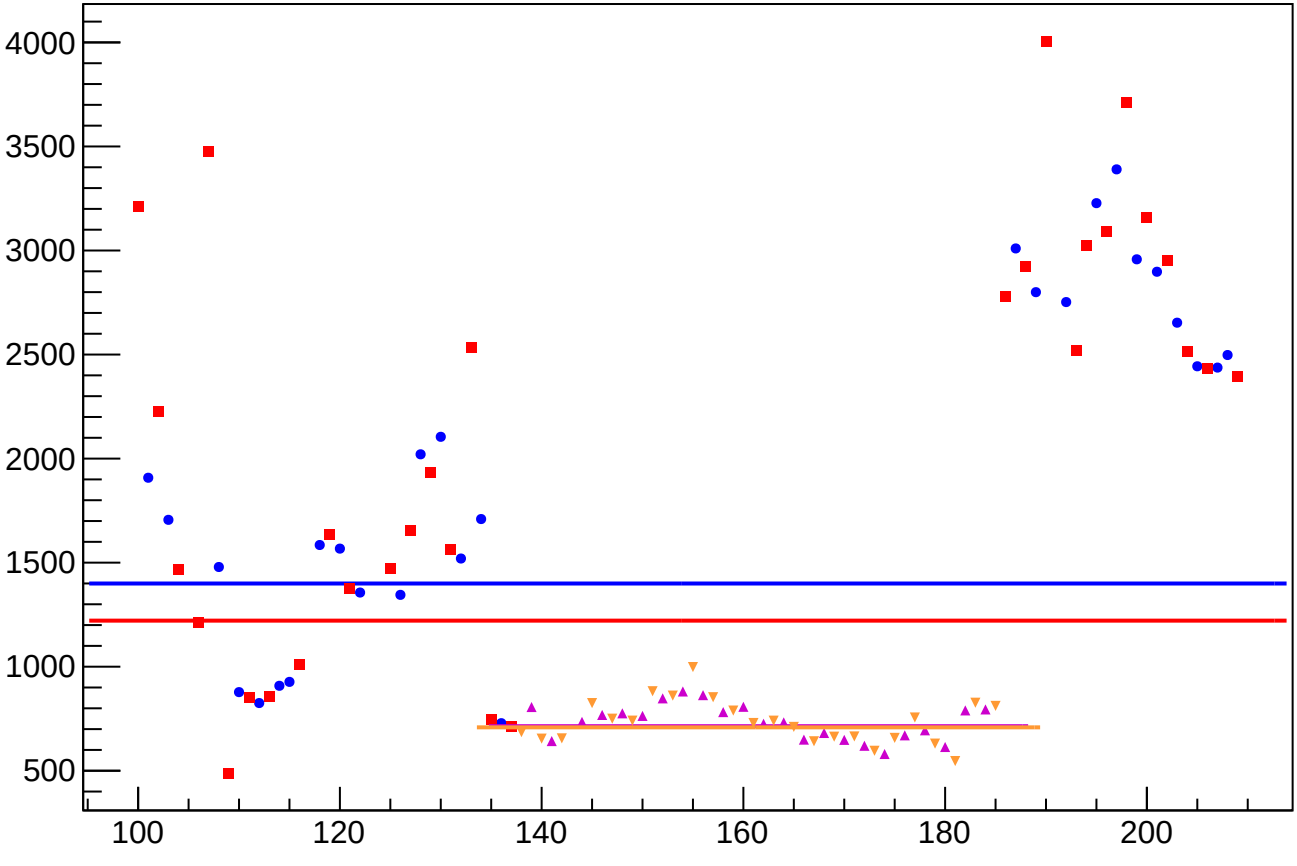
Right: 172.547+/-268.799 χ^2/NDF: 60.1/56

In: 69.000+/-155.180 χ^2/NDF:59.9/49

Out: -354.095+/-151.267 χ^2/NDF:98.3/53

All: -147.950+/-108.319 χ^2/NDF: 162.0/103

asym_us_dd_atlr_dd_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 1399.748+/-0.283 χ^2/NDF: 7033819.6/26

Left Out: 708.508+/-0.118 χ^2/NDF:700448.7/23

Right Out: 1221.349+/-0.256 χ^2/NDF: 10407801.3/29

Left In: 714.168+/-0.119 χ^2/NDF:497252.3/22

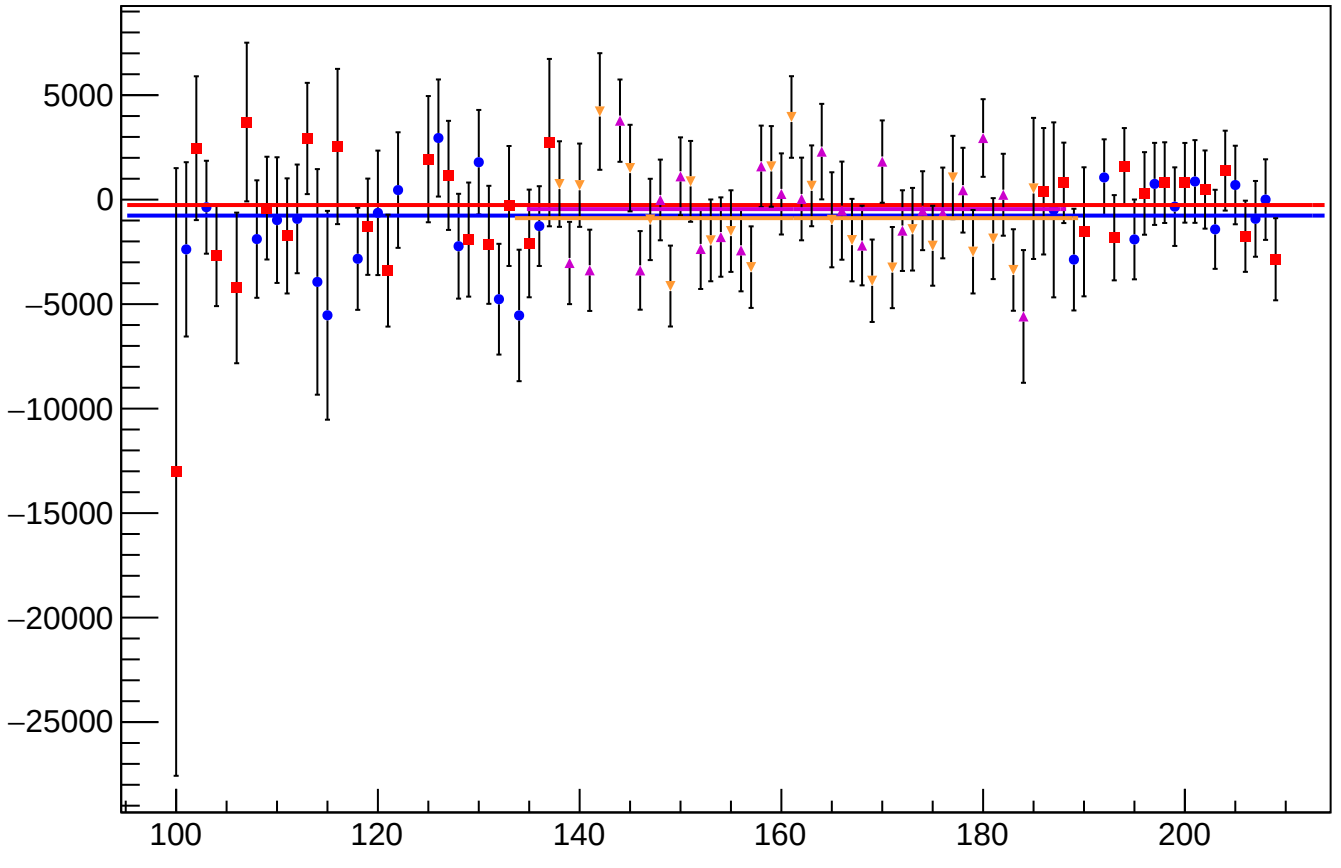
Left: 711.307+/-0.084 χ^2/NDF: 1198844.2/46

Right: 1301.661+/-0.190 χ^2/NDF: 17659677.7/56

In: 817.032+/-0.110 χ^2/NDF:12509344.3/49

Out: 797.805+/-0.107 χ^2/NDF:14414058.0/53

All: 807.173+/-0.077 χ^2/NDF: 26939146.3/10



Right In: -763.746+/-455.091 χ^2/NDF: 14.6/26

Left Out: -886.354+/-413.227 χ^2/NDF:28.1/23

Right Out: -259.110+/-444.064 χ^2/NDF: 17.5/29

Left In: -453.237+/-416.200 χ^2/NDF:25.8/22

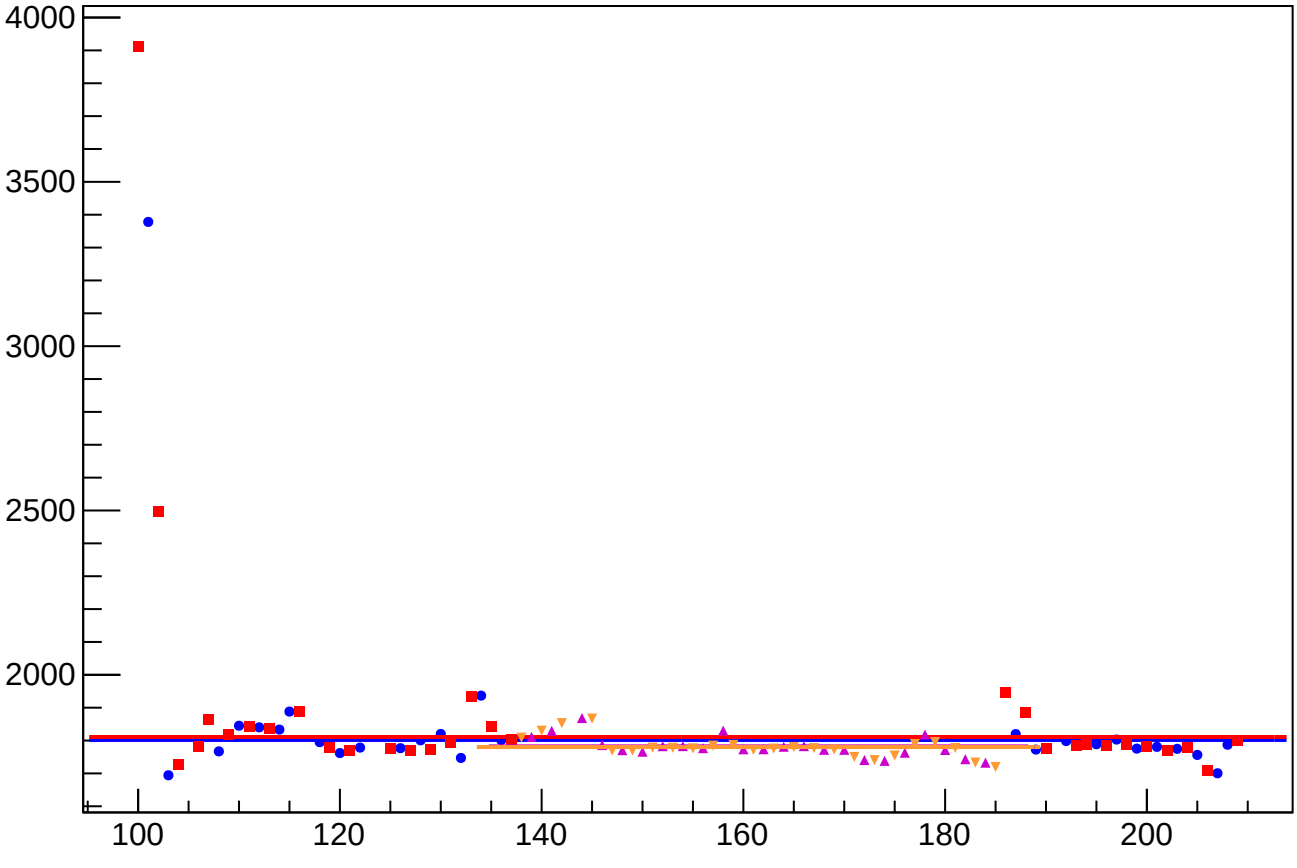
Left: -671.348+/-293.241 χ^2/NDF: 54.5/46

Right: -505.240+/-317.827 χ^2/NDF: 32.7/56

In: -594.659+/-307.128 χ^2/NDF:40.7/49

Out: -595.264+/-302.510 χ^2/NDF:46.7/53

All: -594.966+/-215.521 χ^2/NDF: 87.4/103



Right In: 1801.794+/-0.322 χ^2/NDF: 306515.1/26

Left Out: 1780.220+/-0.292 χ^2/NDF:10380.2/23

Right Out: 1810.826+/-0.314 χ^2/NDF: 149149.5/29

Left In: 1782.298+/-0.294 χ^2/NDF:11232.1/22

Left: 1781.252+/-0.207 χ^2/NDF: 21637.4/46

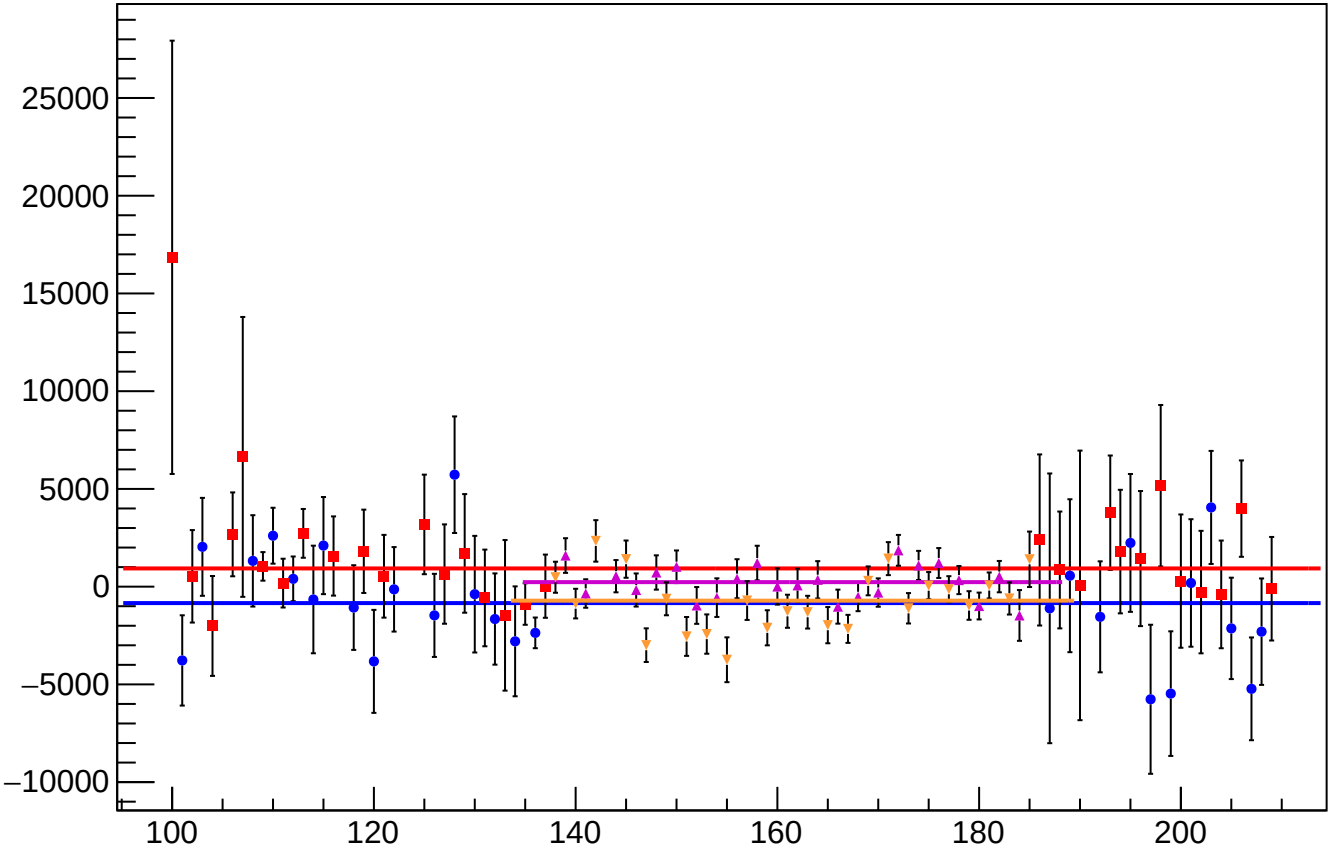
Right: 1806.421+/-0.225 χ^2/NDF: 456068.2/56

In: 1791.177+/-0.217 χ^2/NDF:319745.8/49

Out: 1794.424+/-0.214 χ^2/NDF:164621.3/53

All: 1792.825+/-0.152 χ^2/NDF: 484480.5/103

asym_us_dd_atlr_dd_avg_dit_correction_mean vs Slug, Sign Corrected



Right In: -840.600+/-403.918 χ^2/NDF: 33.9/26

Left Out: -716.600+/-170.602 χ^2/NDF:59.4/23

Right Out: 932.130+/-364.903 χ^2/NDF: 16.7/29

Left In: 231.320+/-173.436 χ^2/NDF:24.1/22

Left: -250.446+/-121.623 χ^2/NDF: 98.6/46

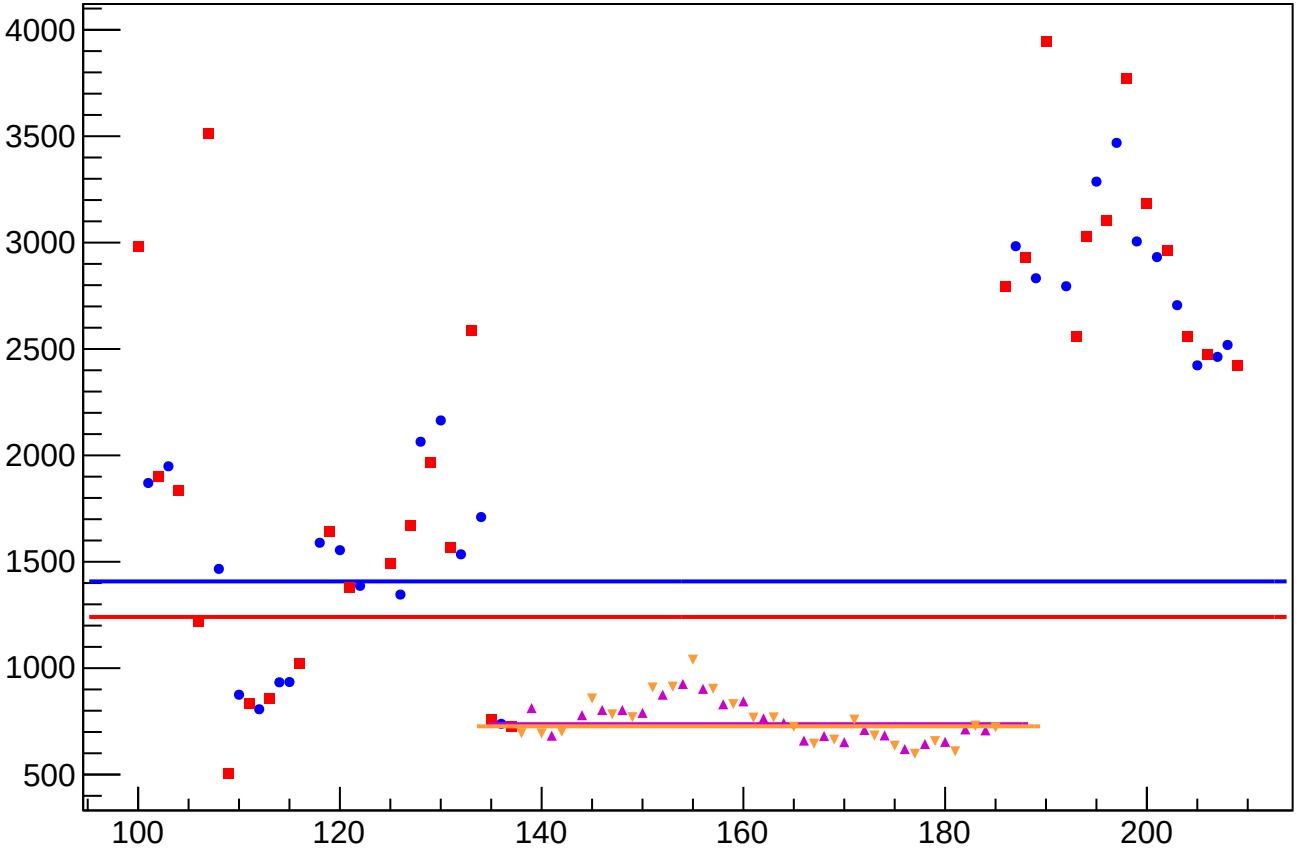
Right: 135.494+/-270.771 χ^2/NDF: 61.2/56

In: 64.455+/-159.366 χ^2/NDF:64.0/49

Out: -420.859+/-154.546 χ^2/NDF:92.8/53

All: -185.652+/-110.945 χ^2/NDF: 161.5/103

asym_us_dd_atlr_dd_avg_dit_correction_rms vs Slug, Sign Corrected



Right In: 1407.720+/-0.286 χ^2/NDF: 7172660.8/26

Left Out: 726.604+/-0.121 χ^2/NDF:684784.1/23

Right Out: 1240.665+/-0.258 χ^2/NDF: 10323569.3/29

Left In: 736.709+/-0.123 χ^2/NDF:465041.6/22

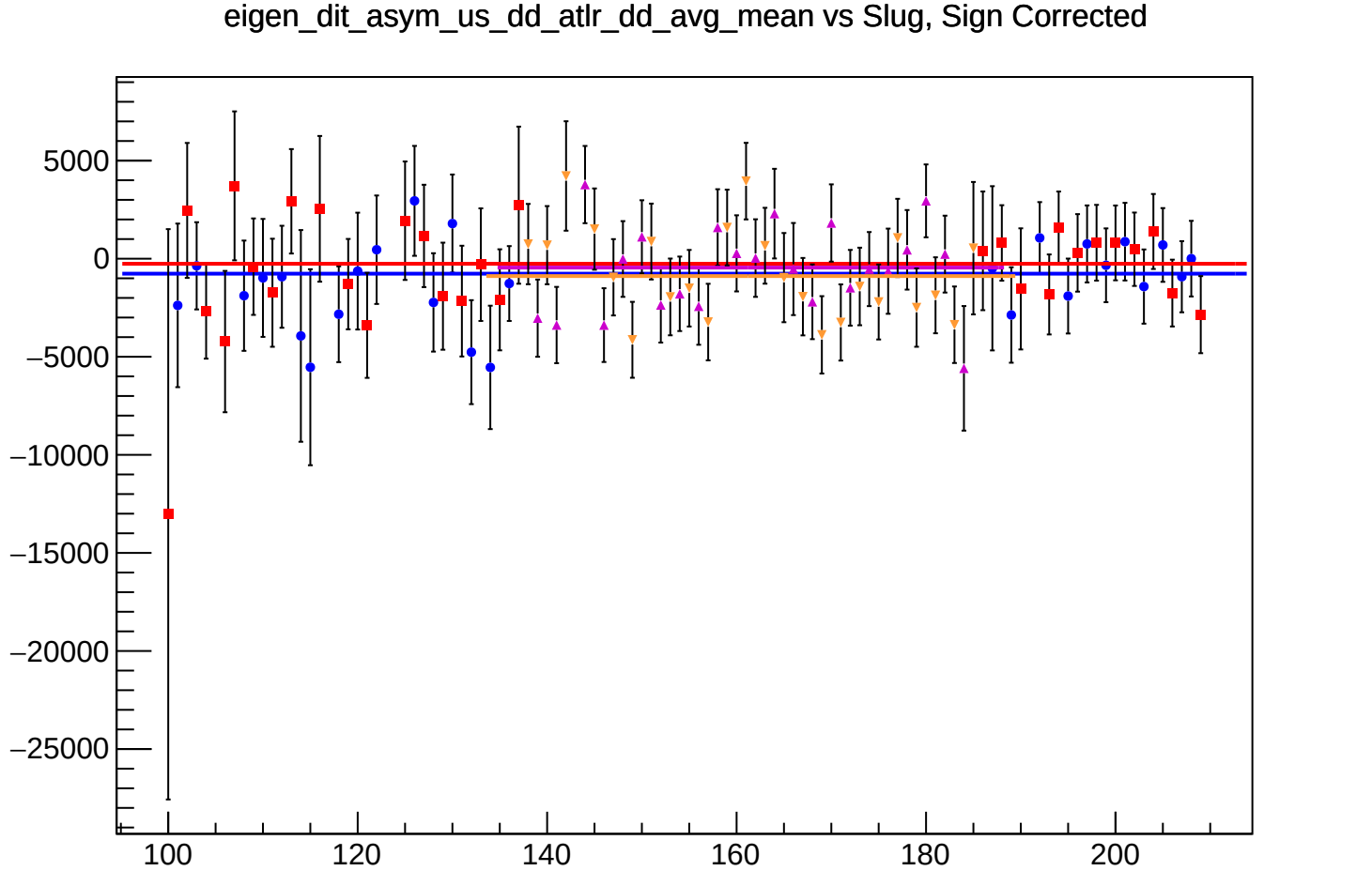
Left: 731.574+/-0.086 χ^2/NDF: 1153276.2/46

Right: 1315.737+/-0.191 χ^2/NDF: 17684600.1/56

In: 841.165+/-0.113 χ^2/NDF:12298021.8/49

Out: 818.814+/-0.109 χ^2/NDF:14265597.2/53

All: 829.647+/-0.078 χ^2/NDF: 26583893.3/10



Right In: -763.747+/-455.091 χ^2/NDF: 14.6/26

Left Out: -886.352+/-413.227 χ^2/NDF:28.1/23

Right Out: -259.110+/-444.064 χ^2/NDF: 17.5/29

Left In: -453.236+/-416.200 χ^2/NDF:25.8/22

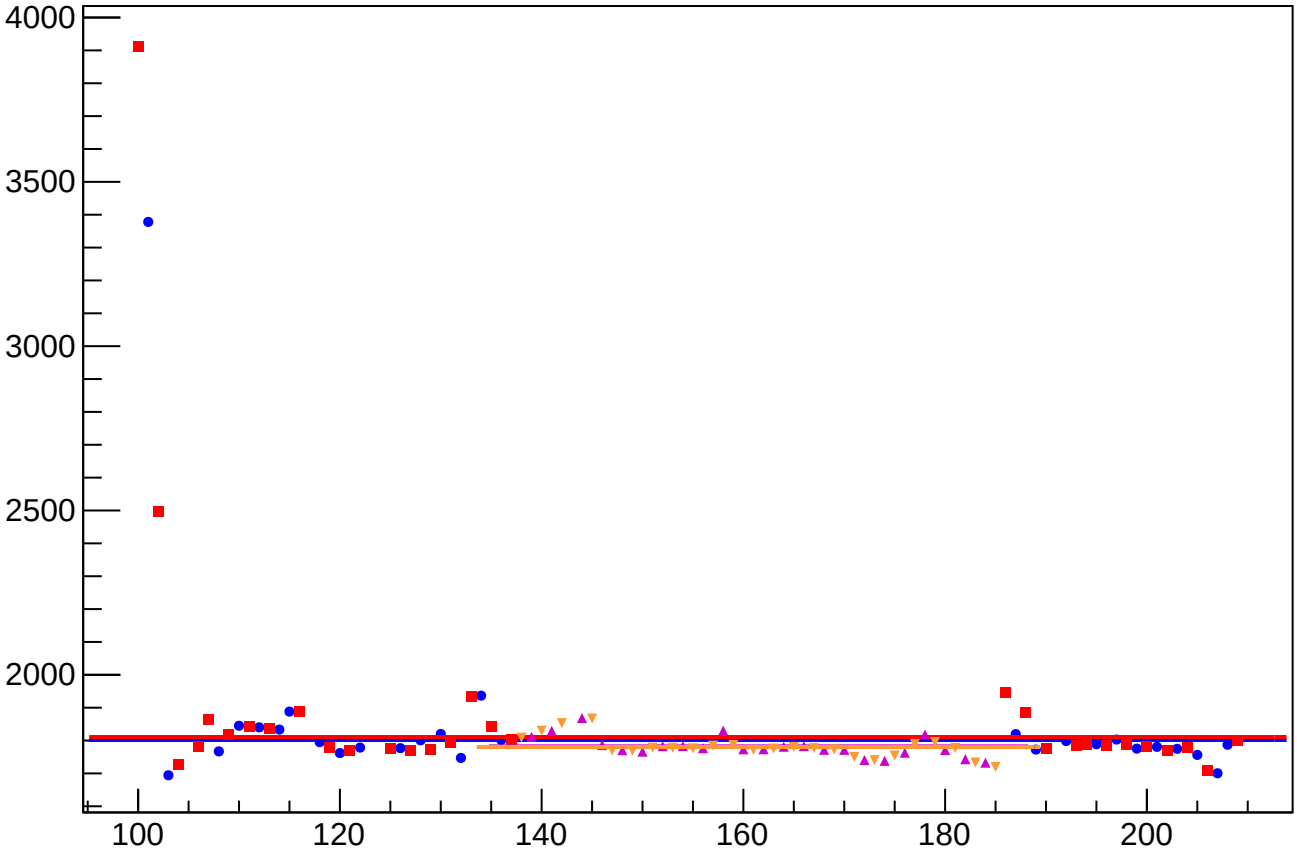
Left: -671.347+/-293.241 χ^2/NDF: 54.5/46

Right: -505.240+/-317.827 χ^2/NDF: 32.7/56

In: -594.659+/-307.128 χ^2/NDF:40.7/49

Out: -595.264+/-302.510 χ^2/NDF:46.7/53

All: -594.966+/-215.521 χ^2/NDF: 87.4/103


eigen_dit_asym_us_dd_atlr_dd_avg_rms vs Slug, Sign Corrected
4000
3500
3000
2500
2000
100
120
140
160
180
200
Right In: 1801.794+/-0.322 χ²/NDF: 306515.0/26
Left Out: 1780.220+/-0.292 χ²/NDF:10380.2/23
Right Out: 1810.826+/-0.314 χ²/NDF: 149149.5/29
Left In: 1782.298+/-0.294 χ²/NDF:11232.1/22
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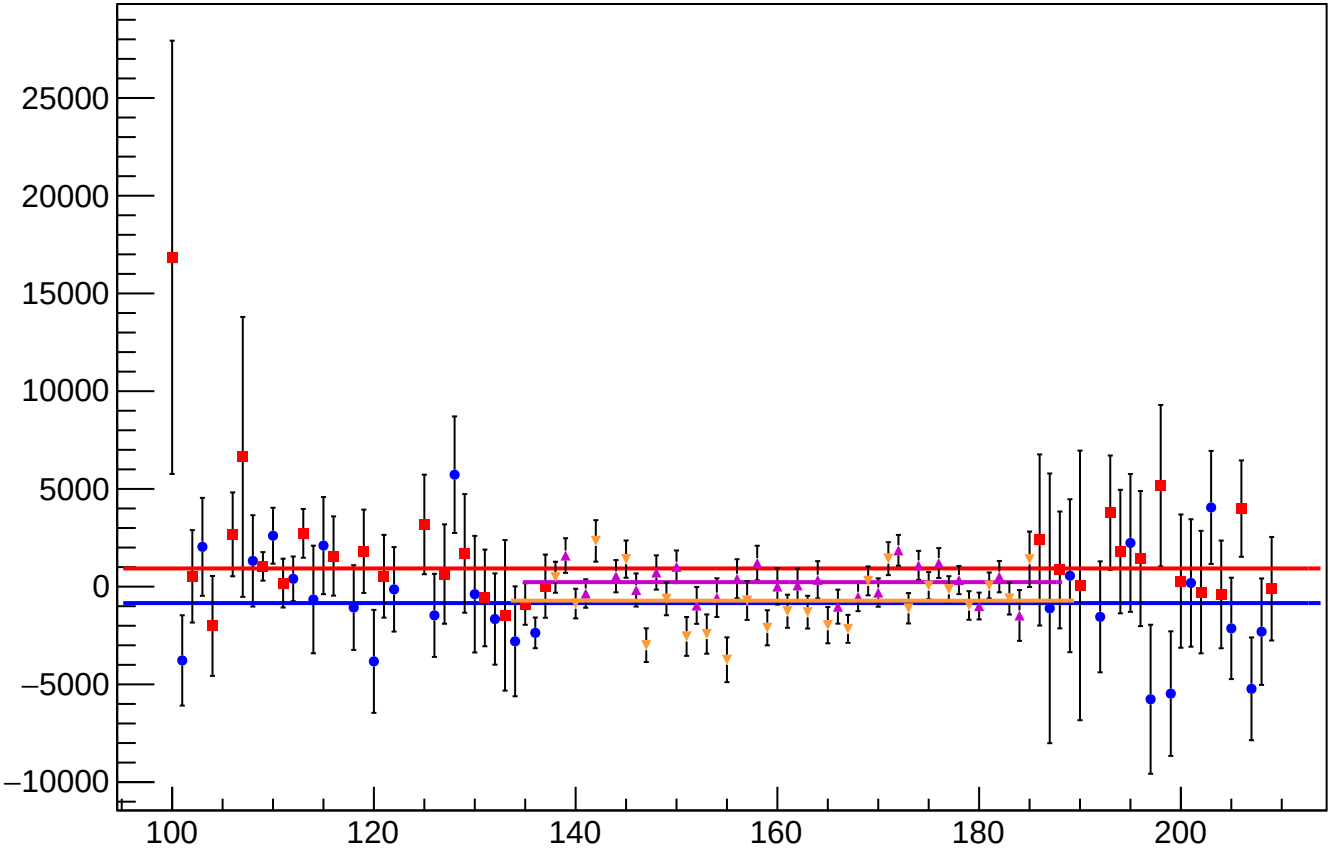
Right: 1806.421+/-0.225 χ²/NDF: 456068.2/56
In: 1791.177+/-0.217 χ²/NDF:319745.8/49
Out: 1794.424+/-0.214 χ²/NDF:164621.4/53
All: 1792.825+/-0.152 χ²/NDF: 484480.7/103

asym_us_dd_atlr_dd_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -840.589+/-403.918 χ^2/NDF: 33.9/26

Left Out: -716.601+/-170.602 χ^2/NDF:59.4/23

Right Out: 932.136+/-364.903 χ^2/NDF: 16.7/29

Left In: 231.318+/-173.435 χ^2/NDF:24.1/22

Left: -250.447+/-121.623 χ^2/NDF: 98.6/46

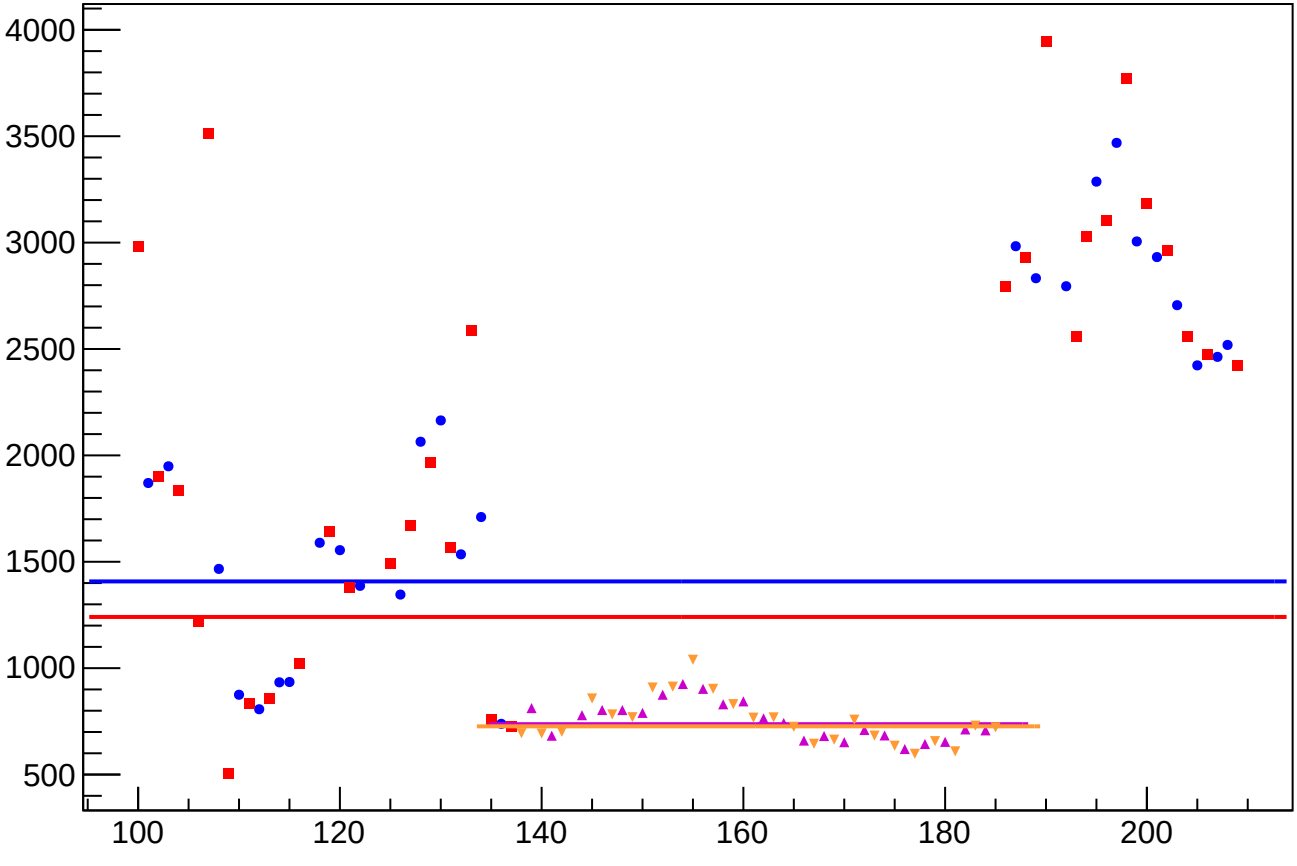
Right: 135.502+/-270.771 χ^2/NDF: 61.2/56

In: 64.455+/-159.366 χ^2/NDF:64.0/49

Out: -420.859+/-154.546 χ^2/NDF:92.8/53

All: -185.651+/-110.945 χ^2/NDF: 161.5/103

asym_us_dd_atlr_dd_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 1407.723+/-0.286 χ^2/NDF: 7172608.8/26

Left Out: 726.605+/-0.121 χ^2/NDF:684780.2/23

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Left In: 736.709+/-0.123 χ^2/NDF:465053.4/22

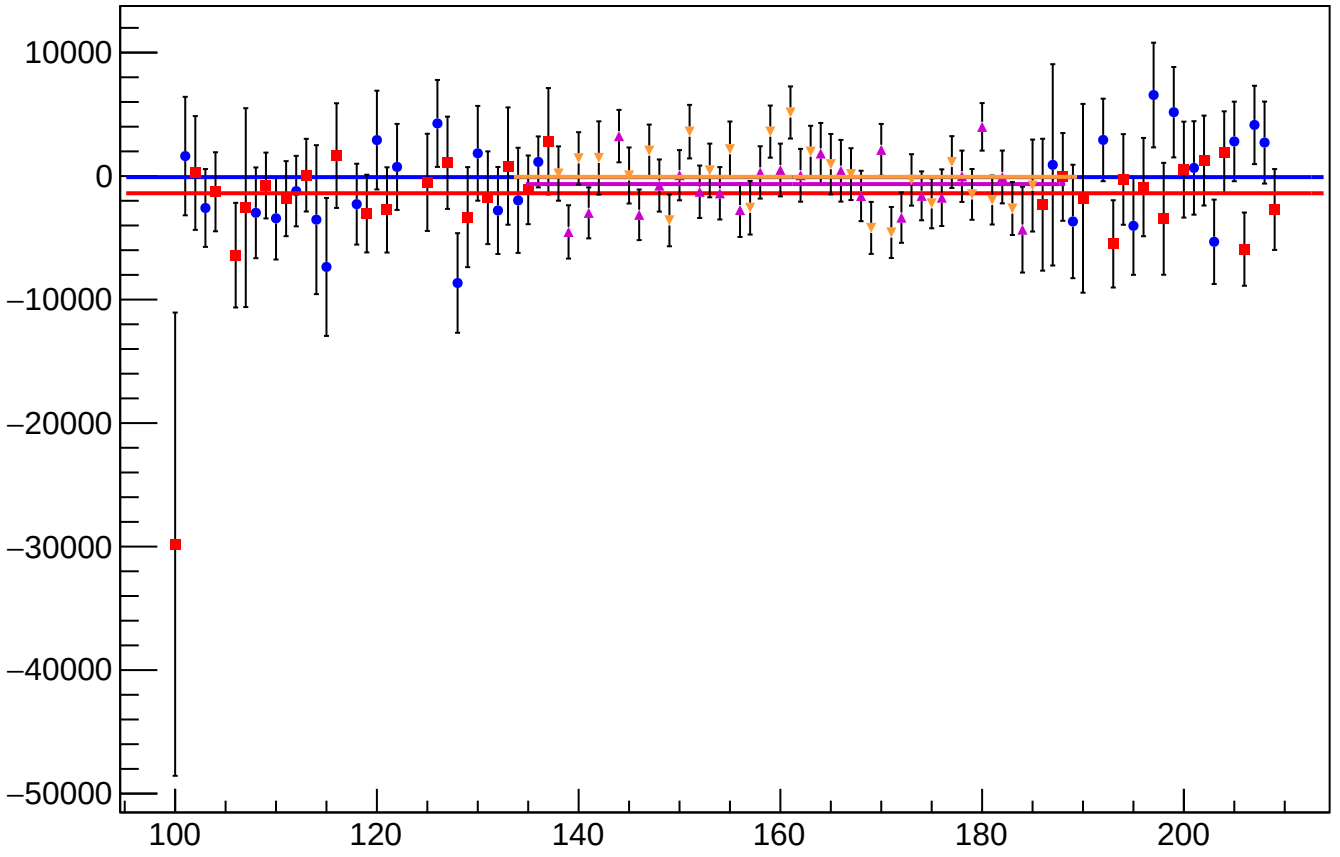
Left: 731.574+/-0.086 χ^2/NDF: 1153283.6/46

Right: 1315.740+/-0.191 χ^2/NDF: 17684509.2/56

In: 841.165+/-0.113 χ^2/NDF:12298022.5/49

Out: 818.814+/-0.109 χ^2/NDF:14265577.1/53

All: 829.647+/-0.078 χ^2/NDF: 26583872.4/10



Right In: -84.837+/-690.503 χ^2/NDF: 25.7/26

Left Out: -59.589+/-445.601 χ^2/NDF:33.0/23

Right Out: -1389.390+/-680.832 χ^2/NDF: 13.1/29

Left In: -646.910+/-448.538 χ^2/NDF:23.7/22

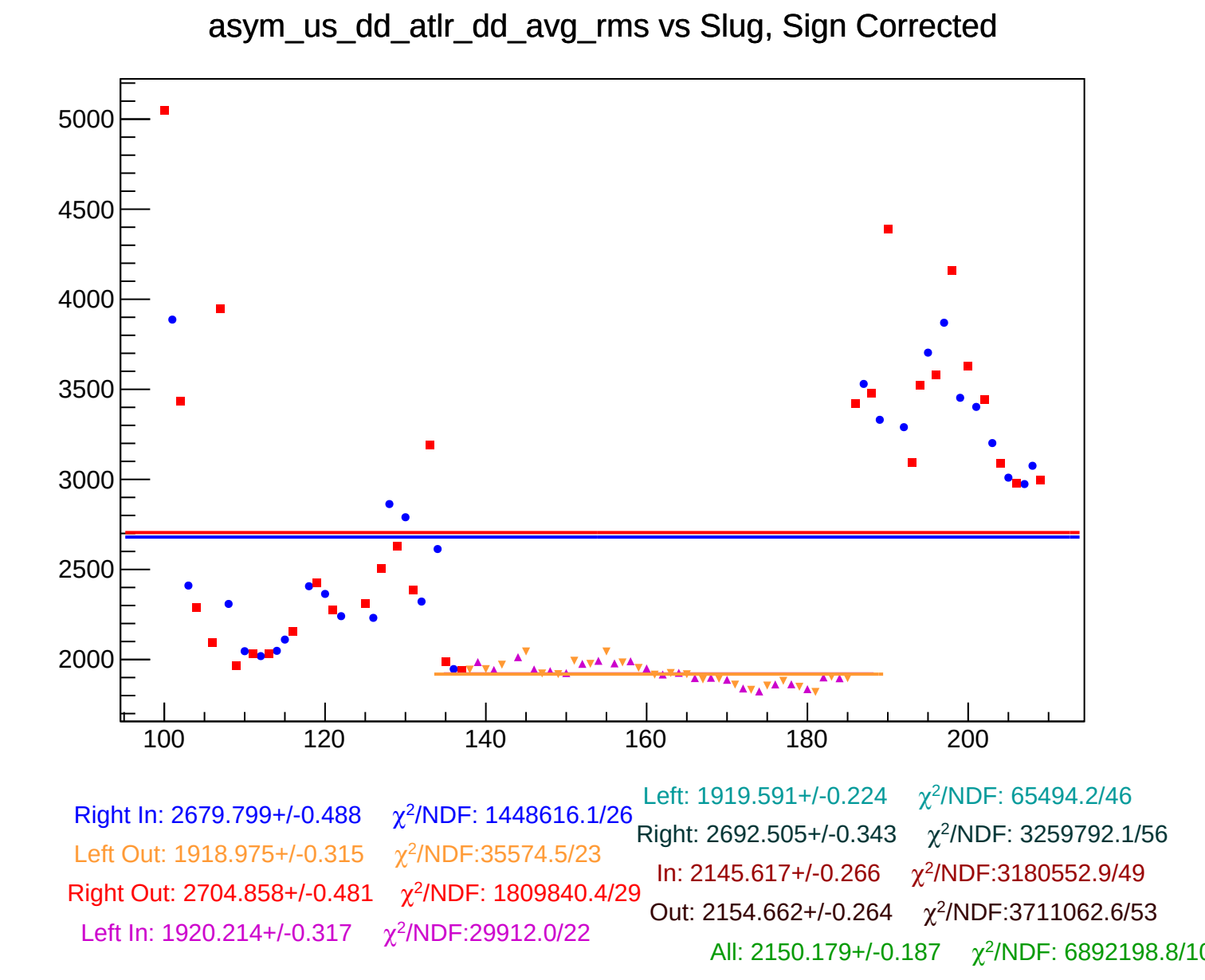
Left: -351.320+/-316.121 χ^2/NDF: 57.5/46

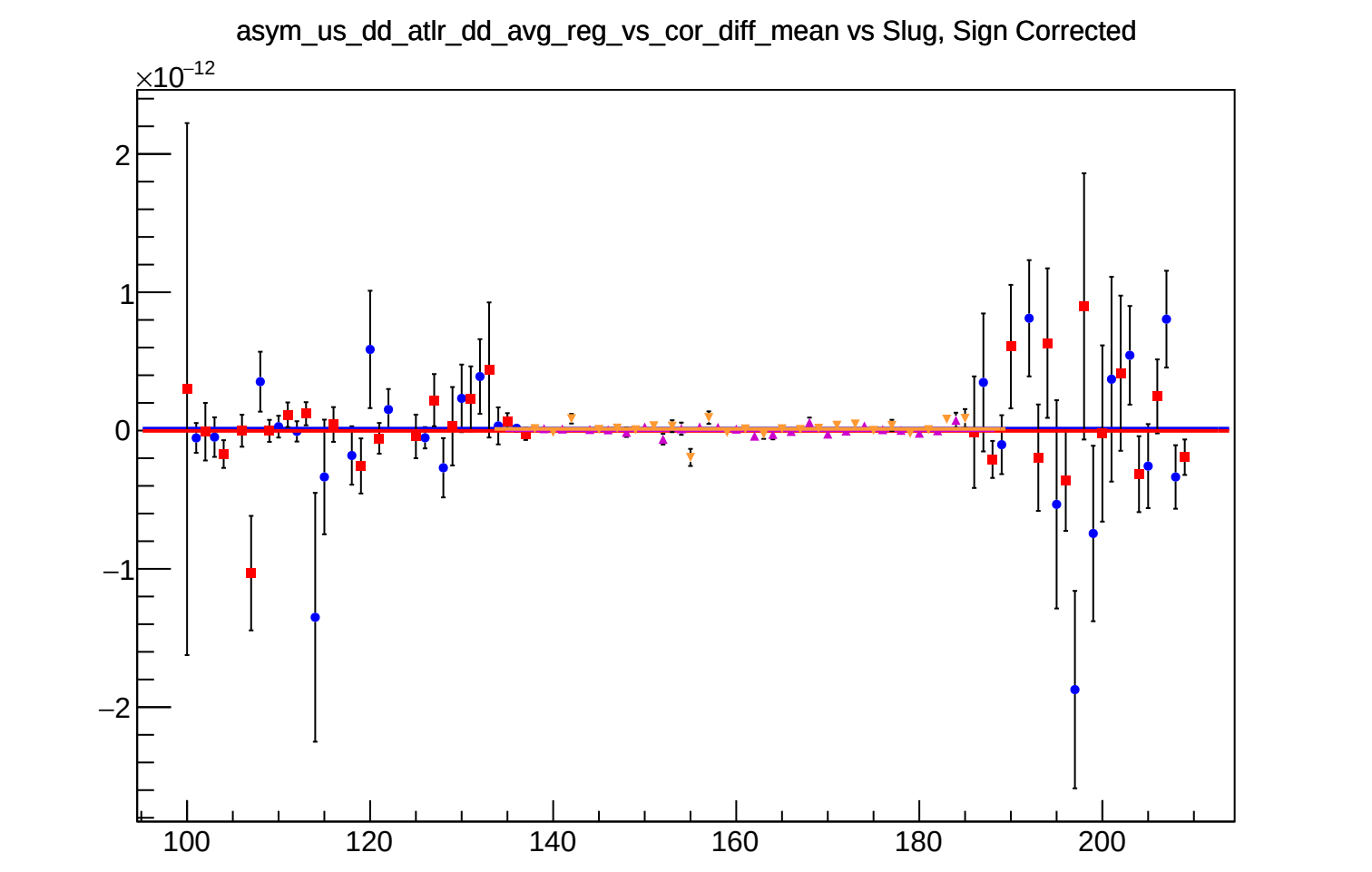
Right: -746.312+/-484.804 χ^2/NDF: 40.6/56

In: -480.118+/-376.146 χ^2/NDF:49.8/49

Out: -458.394+/-372.844 χ^2/NDF:48.8/53

All: -469.160+/-264.800 χ^2/NDF: 98.6/103


asym_us_dd_atlr_dd_avg_rms vs Slug, Sign Corrected
5000
4500
4000
3500
3000
2500
2000
100
120
140
160
180
200
Right In: 2679.799+/-0.488 χ²/NDF: 1448616.1/26
Left Out: 1918.975+/-0.315 χ²/NDF:35574.5/23
Right Out: 2704.858+/-0.481 χ²/NDF: 1809840.4/29
Left In: 1920.214+/-0.317 χ²/NDF:29912.0/22
Left: 1919.591+/-0.224 χ²/NDF: 65494.2/46
Right: 2692.505+/-0.343 χ²/NDF: 3259792.1/56
In: 2145.617+/-0.266 χ²/NDF:3180552.9/49
Out: 2154.662+/-0.264 χ²/NDF:3711062.6/53
All: 2150.179+/-0.187 χ²/NDF: 6892198.8/10



Right In: 0.000+/-0.000 χ^2/NDF: 38.9/26

Left Out: 0.000+/-0.000 χ^2/NDF:38.1/23

Right Out: -0.000+/-0.000 χ^2/NDF: 32.4/29

Left In: 0.000+/-0.000 χ^2/NDF:19.6/22

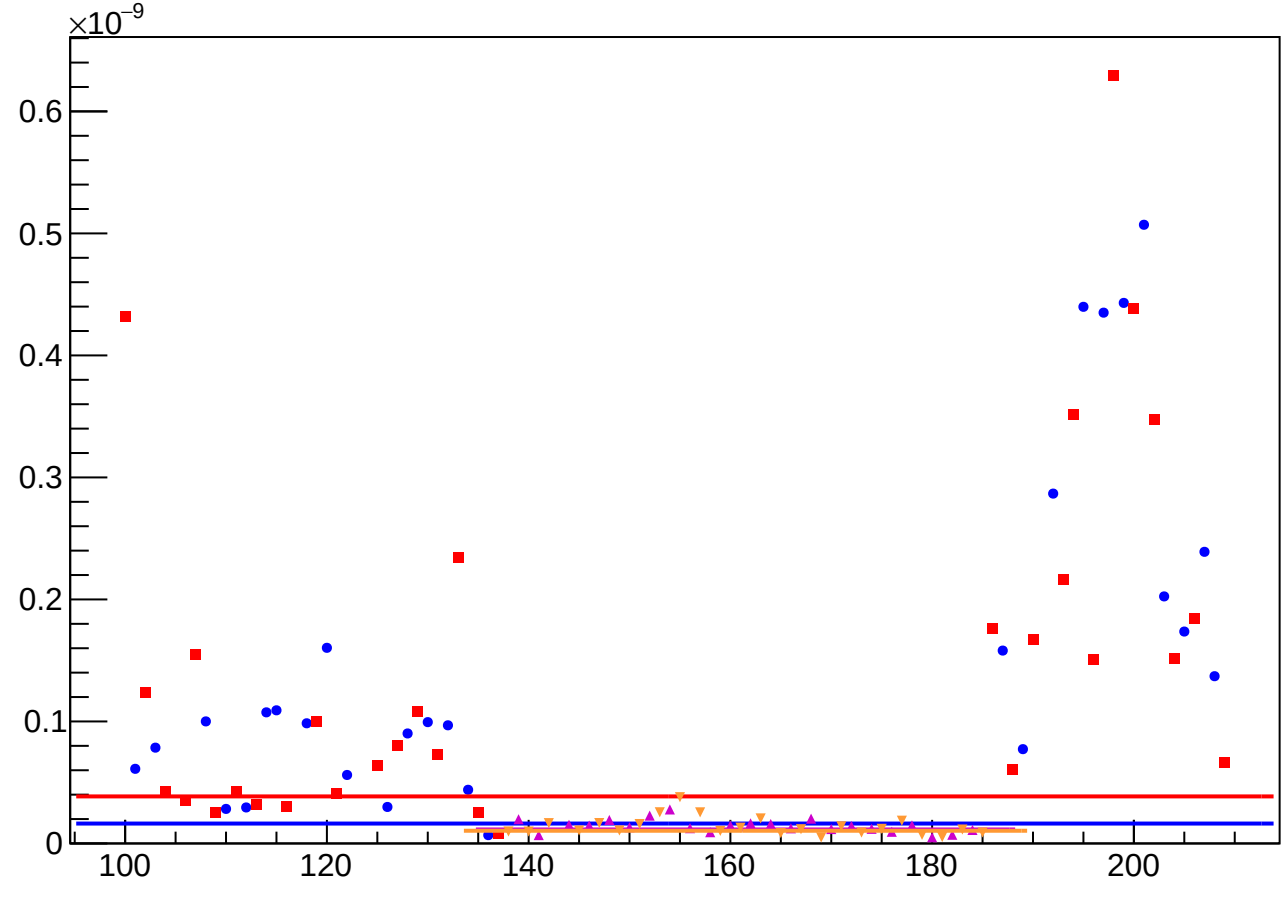
Left: 0.000+/-0.000 χ^2/NDF: 59.3/46

Right: 0.000+/-0.000 χ^2/NDF: 71.7/56

In: 0.000+/-0.000 χ^2/NDF:59.1/49

Out: 0.000+/-0.000 χ^2/NDF:70.9/53

All: 0.000+/-0.000 χ^2/NDF: 131.1/103



Right In: 0.000+/-0.000 χ^2/NDF: 10197192.8/26

Left Out: 0.000+/-0.000 χ^2/NDF:2075235.5/23

Right Out: 0.000+/-0.000 χ^2/NDF: 7486082.8/29

Left In: 0.000+/-0.000 χ^2/NDF:1894438.8/22

Left: 0.000+/-0.000 χ^2/NDF: 4014682.3/46

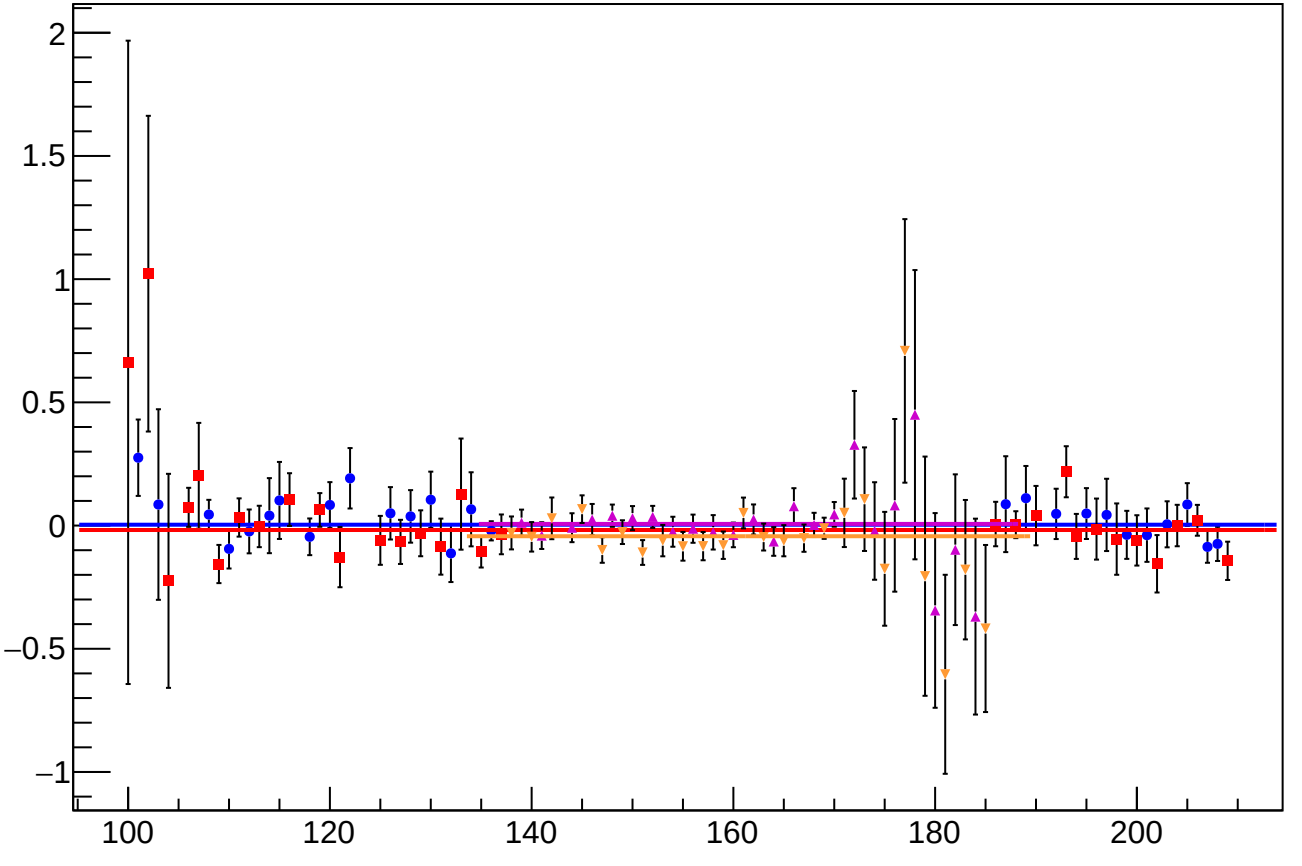
Right: 0.000+/-0.000 χ^2/NDF: 19061648.0/56

In: 0.000+/-0.000 χ^2/NDF:12307918.0/49

Out: 0.000+/-0.000 χ^2/NDF:12451676.1/53

All: 0.000+/-0.000 χ^2/NDF: 24769560.2/103

asym_us_dd_atlr_dd_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.003+/-0.017 χ^2/NDF: 17.6/26

Left Out: -0.043+/-0.014 χ^2/NDF:18.9/23

Right Out: -0.018+/-0.017 χ^2/NDF: 26.4/29

Left In: 0.007+/-0.014 χ^2/NDF:11.3/22

Left: -0.018+/-0.010 χ^2/NDF: 36.8/46

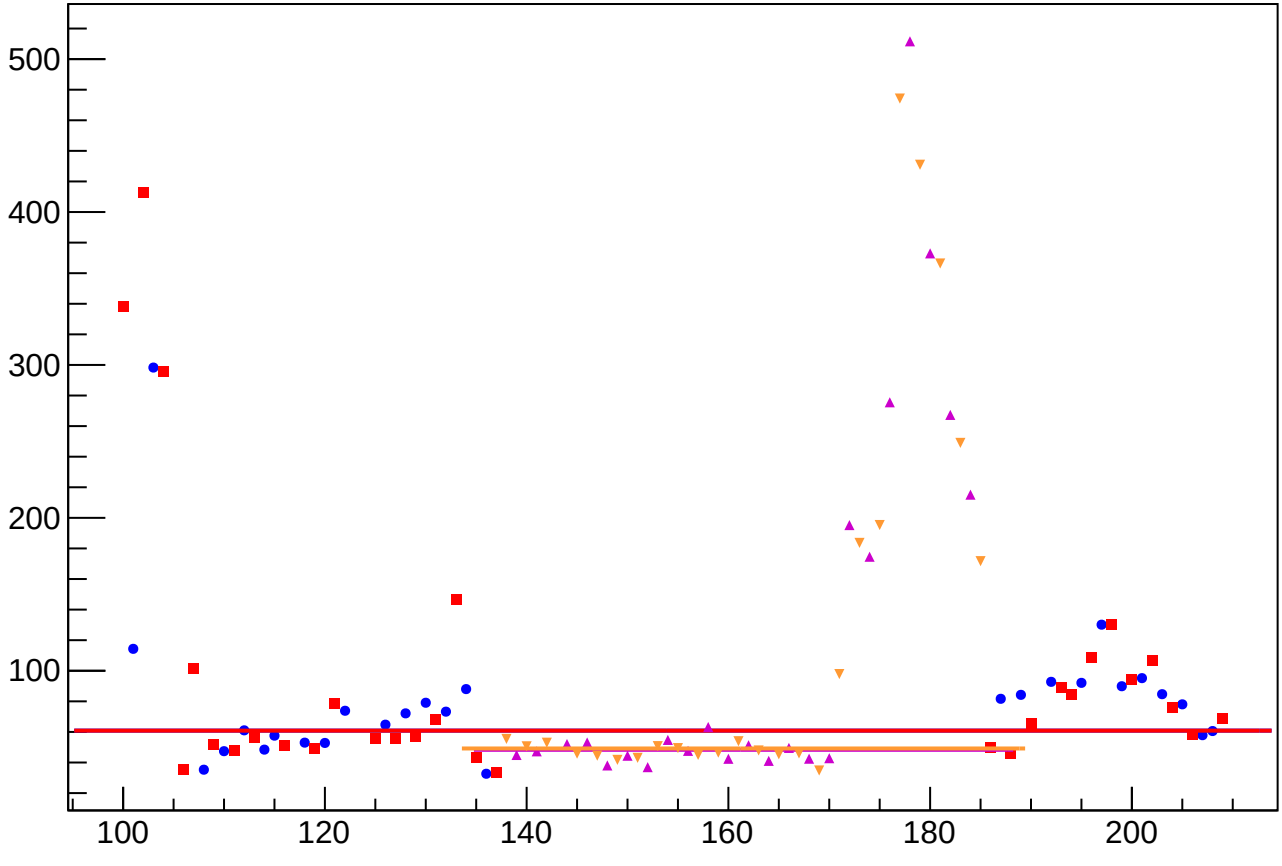
Right: -0.008+/-0.012 χ^2/NDF: 44.8/56

In: 0.005+/-0.011 χ^2/NDF:28.9/49

Out: -0.033+/-0.011 χ^2/NDF:46.6/53

All: -0.014+/-0.008 χ^2/NDF: 82.0/103

asym_us_dd_atlr_dd_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 60.861+/-0.012 χ^2/NDF: 4205319.8/26

Left Out: 49.180+/-0.010 χ^2/NDF:7250092.4/23

Right Out: 60.840+/-0.012 χ^2/NDF: 4295633.2/29

Left In: 48.307+/-0.010 χ^2/NDF:7040663.5/22

Left: 48.731+/-0.007 χ^2/NDF: 14294810.2/46

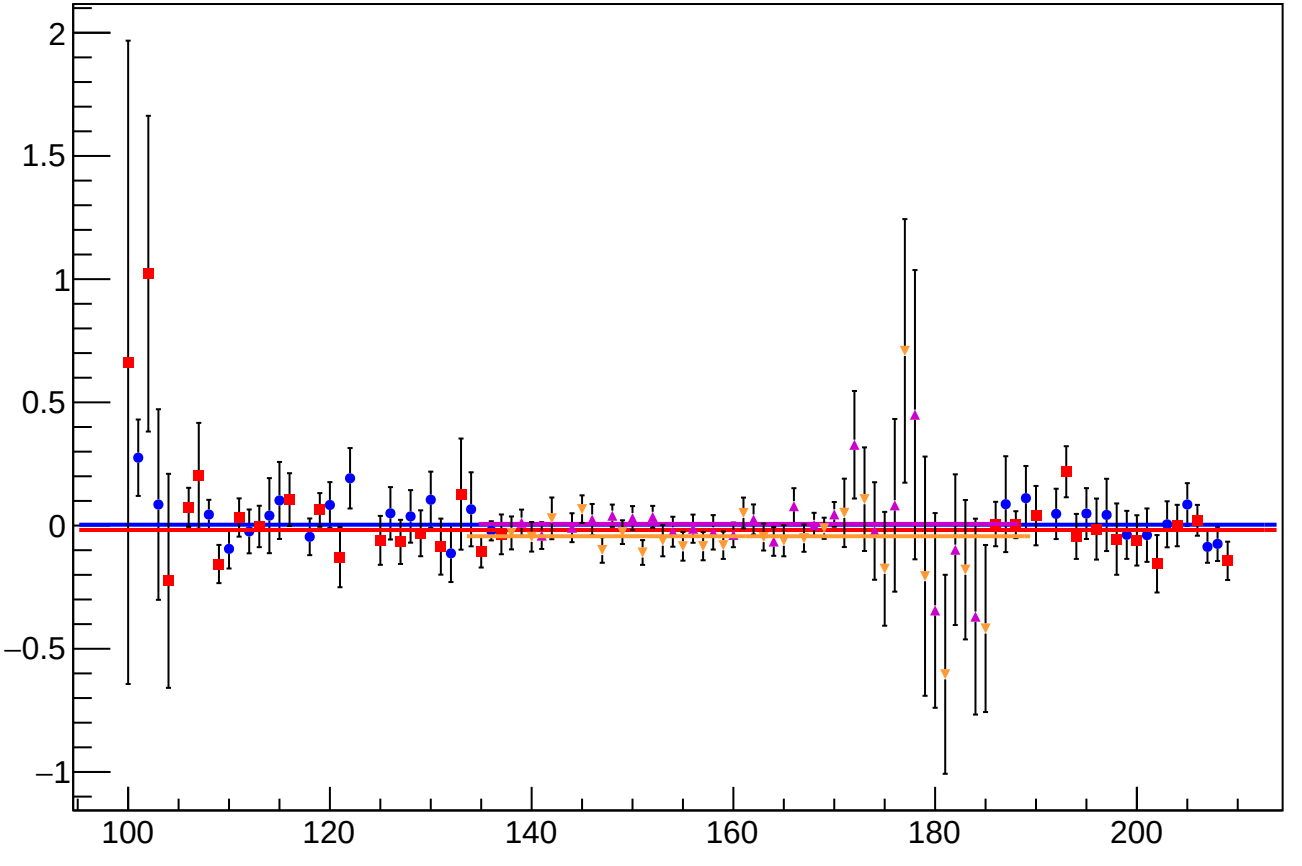
Right: 60.850+/-0.009 χ^2/NDF: 8500954.5/56

In: 53.029+/-0.008 χ^2/NDF:11894365.7/49

Out: 53.851+/-0.008 χ^2/NDF:12109107.7/53

All: 53.437+/-0.005 χ^2/NDF: 24009357.1/103

asym_us_dd_atlr_dd_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.003+/-0.017 χ^2/NDF: 17.6/26

Left Out: -0.043+/-0.014 χ^2/NDF:18.9/23

Right Out: -0.018+/-0.017 χ^2/NDF: 26.4/29

Left In: 0.007+/-0.014 χ^2/NDF:11.3/22

Left: -0.018+/-0.010 χ^2/NDF: 36.8/46

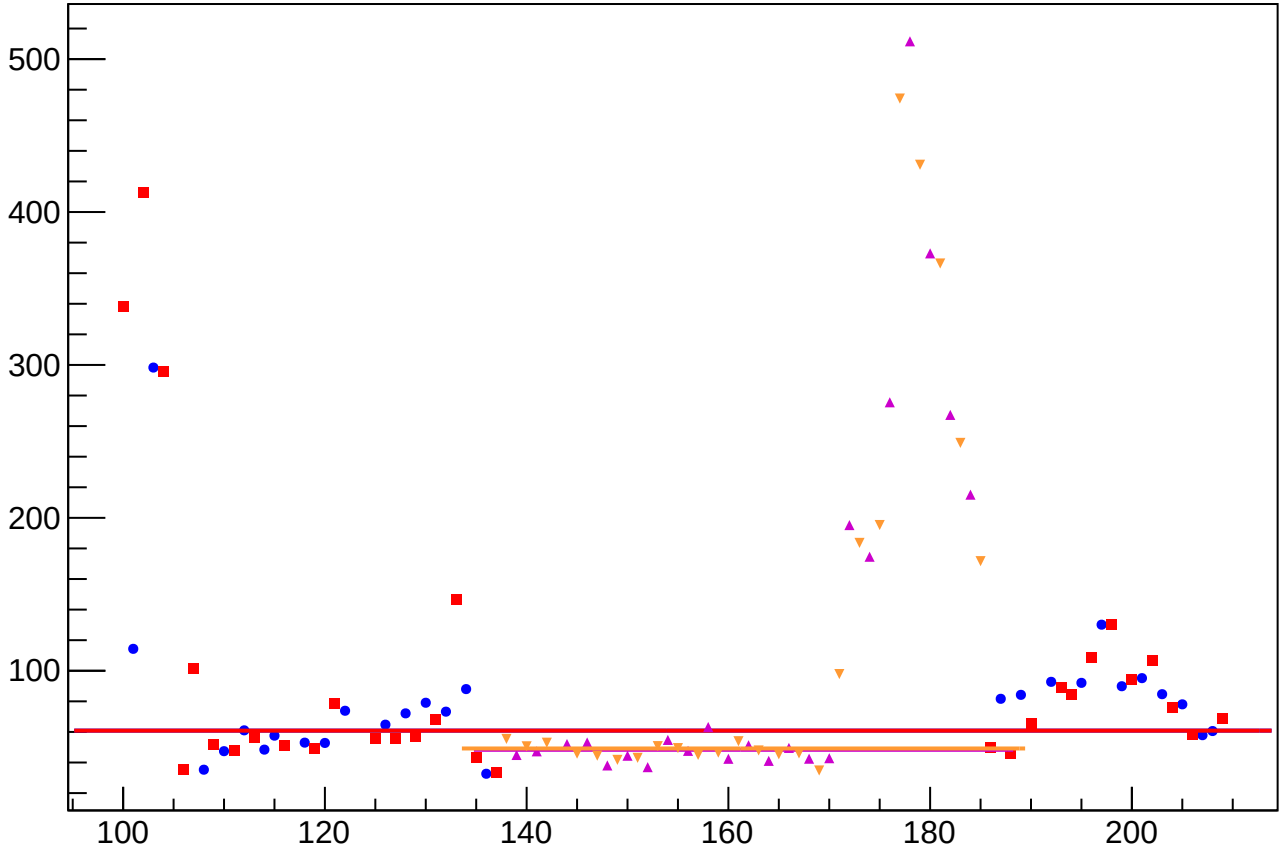
Right: -0.008+/-0.012 χ^2/NDF: 44.8/56

In: 0.005+/-0.011 χ^2/NDF:28.9/49

Out: -0.033+/-0.011 χ^2/NDF:46.6/53

All: -0.014+/-0.008 χ^2/NDF: 82.0/103

asym_us_dd_atlr_dd_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 60.861+/-0.012 χ^2/NDF: 4205319.8/26

Left Out: 49.180+/-0.010 χ^2/NDF:7250092.4/23

Right Out: 60.840+/-0.012 χ^2/NDF: 4295633.2/29

Left In: 48.307+/-0.010 χ^2/NDF:7040663.5/22

Left: 48.731+/-0.007 χ^2/NDF: 14294810.2/46

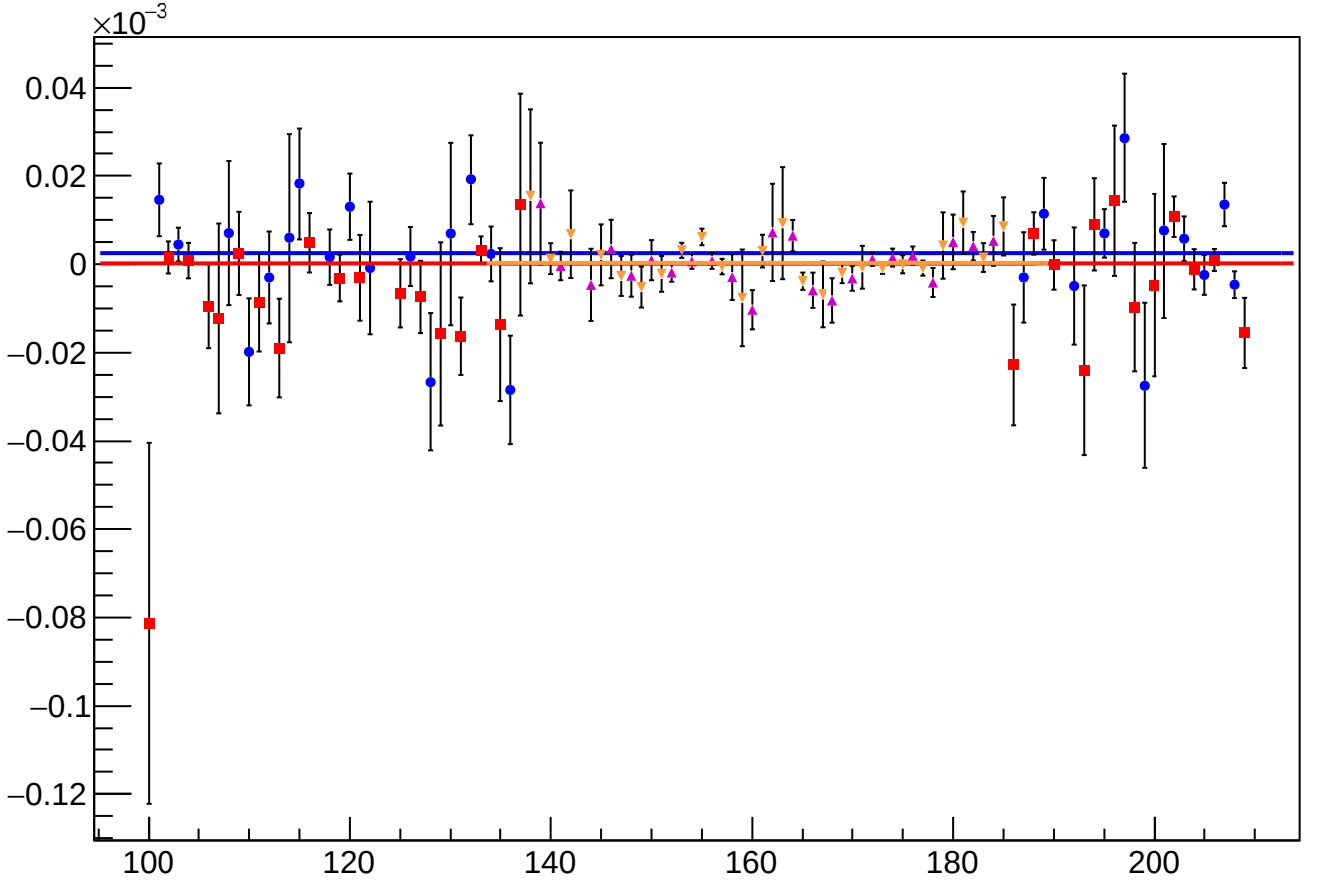
Right: 60.850+/-0.009 χ^2/NDF: 8500954.5/56

In: 53.029+/-0.008 χ^2/NDF:11894365.7/49

Out: 53.851+/-0.008 χ^2/NDF:12109107.7/53

All: 53.437+/-0.005 χ^2/NDF: 24009357.1/103

asym_us_dd_atlr_dd_avg_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 42.9/26

Left Out: 0.000+/-0.000 χ^2/NDF:28.8/23

Right Out: 0.000+/-0.000 χ^2/NDF: 35.6/29

Left In: 0.000+/-0.000 χ^2/NDF:25.3/22

Left: 0.000+/-0.000 χ^2/NDF: 54.1/46

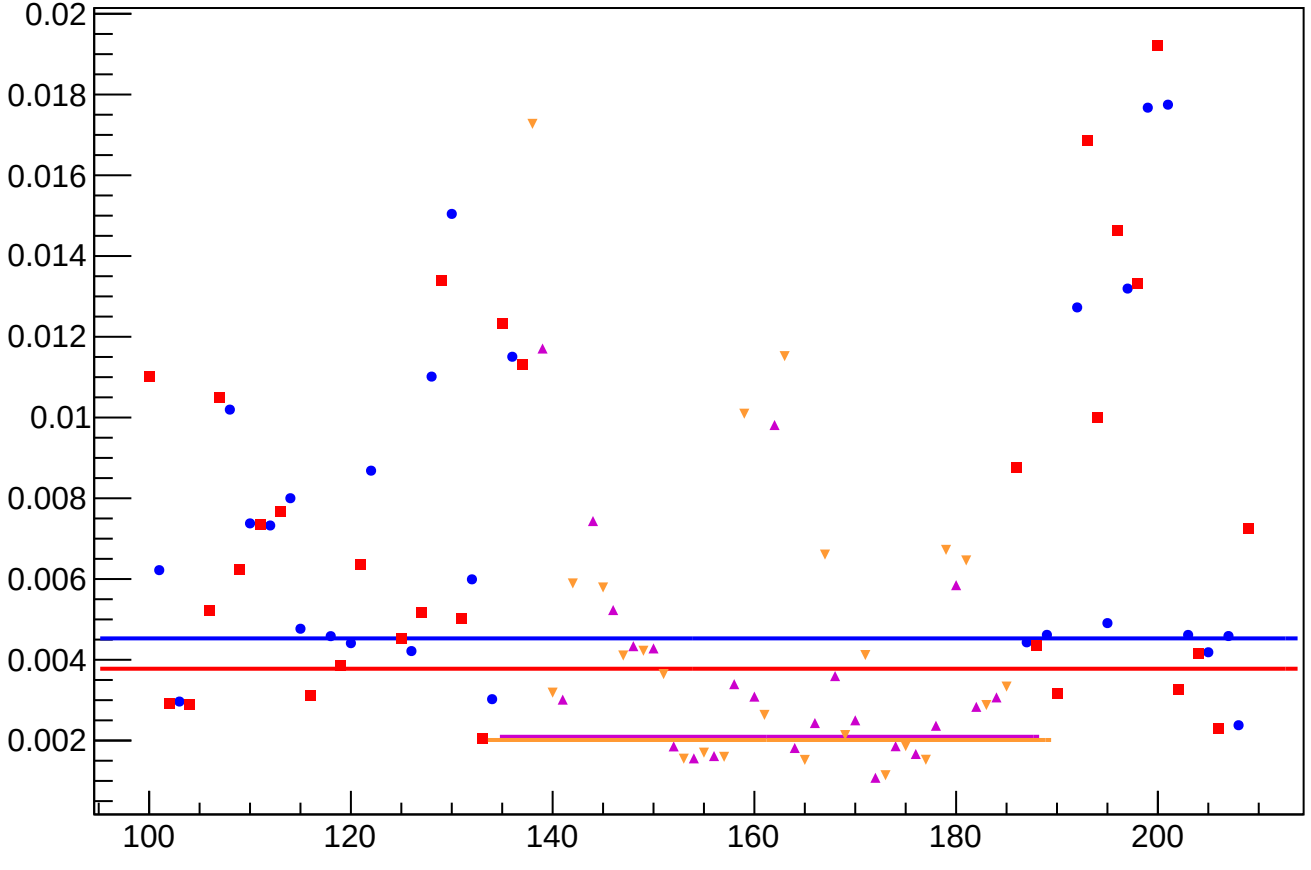
Right: 0.000+/-0.000 χ^2/NDF: 80.2/56

In: 0.000+/-0.000 χ^2/NDF:70.7/49

Out: 0.000+/-0.000 χ^2/NDF:64.4/53

All: 0.000+/-0.000 χ^2/NDF: 135.2/103

asym_us_dd_atlr_dd_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.005+/-0.000 χ^2/NDF: 7188750.8/26

Left Out: 0.002+/-0.000 χ^2/NDF:10262318.5/23

Right Out: 0.004+/-0.000 χ^2/NDF: 9009129.7/29

Left In: 0.002+/-0.000 χ^2/NDF:7141979.6/22

Left: 0.002+/-0.000 χ^2/NDF: 17422562.9/46

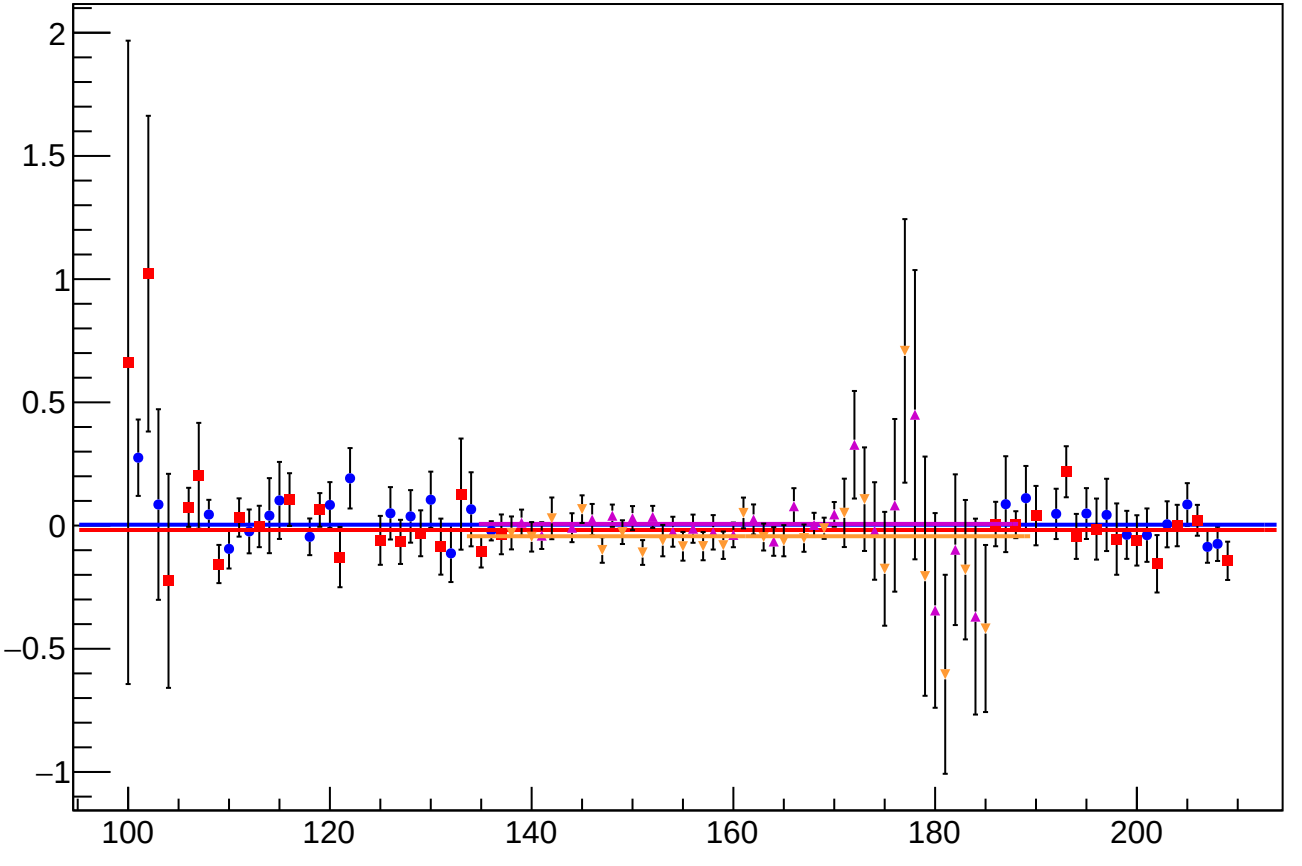
Right: 0.004+/-0.000 χ^2/NDF: 16561734.8/56

In: 0.003+/-0.000 χ^2/NDF:19727401.5/49

Out: 0.002+/-0.000 χ^2/NDF:23181304.3/53

All: 0.002+/-0.000 χ^2/NDF: 42971824.3/103

asym_us_dd_atlr_dd_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.003+/-0.017 χ^2/NDF: 17.6/26

Left Out: -0.043+/-0.014 χ^2/NDF:18.9/23

Right Out: -0.018+/-0.017 χ^2/NDF: 26.4/29

Left In: 0.007+/-0.014 χ^2/NDF:11.3/22

Left: -0.018+/-0.010 χ^2/NDF: 36.8/46

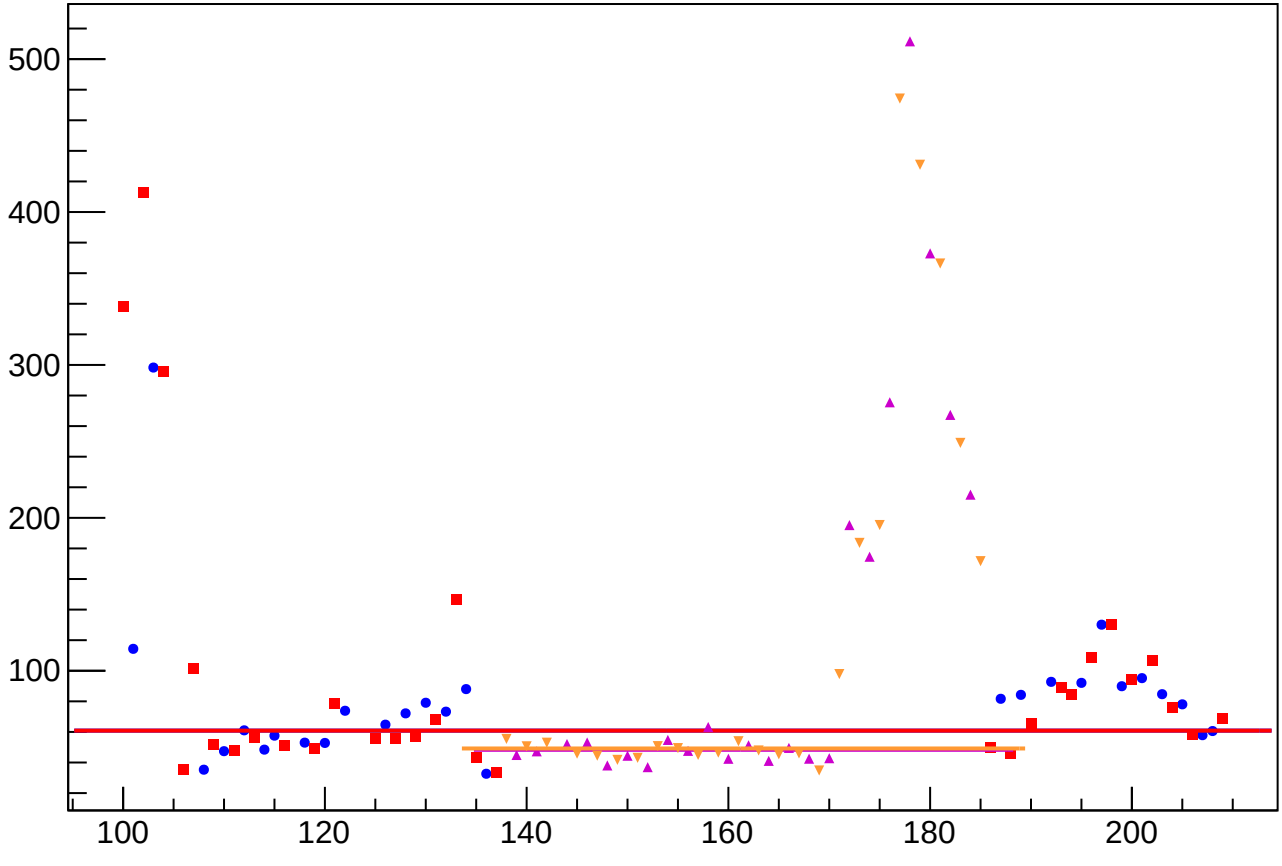
Right: -0.008+/-0.012 χ^2/NDF: 44.8/56

In: 0.005+/-0.011 χ^2/NDF:28.9/49

Out: -0.033+/-0.011 χ^2/NDF:46.6/53

All: -0.014+/-0.008 χ^2/NDF: 82.0/103

asym_us_dd_atlr_dd_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 60.861+/-0.012 χ^2/NDF: 4205158.0/26

Left Out: 49.180+/-0.010 χ^2/NDF:7250102.5/23

Right Out: 60.841+/-0.012 χ^2/NDF: 4295502.5/29

Left In: 48.307+/-0.010 χ^2/NDF:7040585.4/22

Left: 48.731+/-0.007 χ^2/NDF: 14294736.5/46

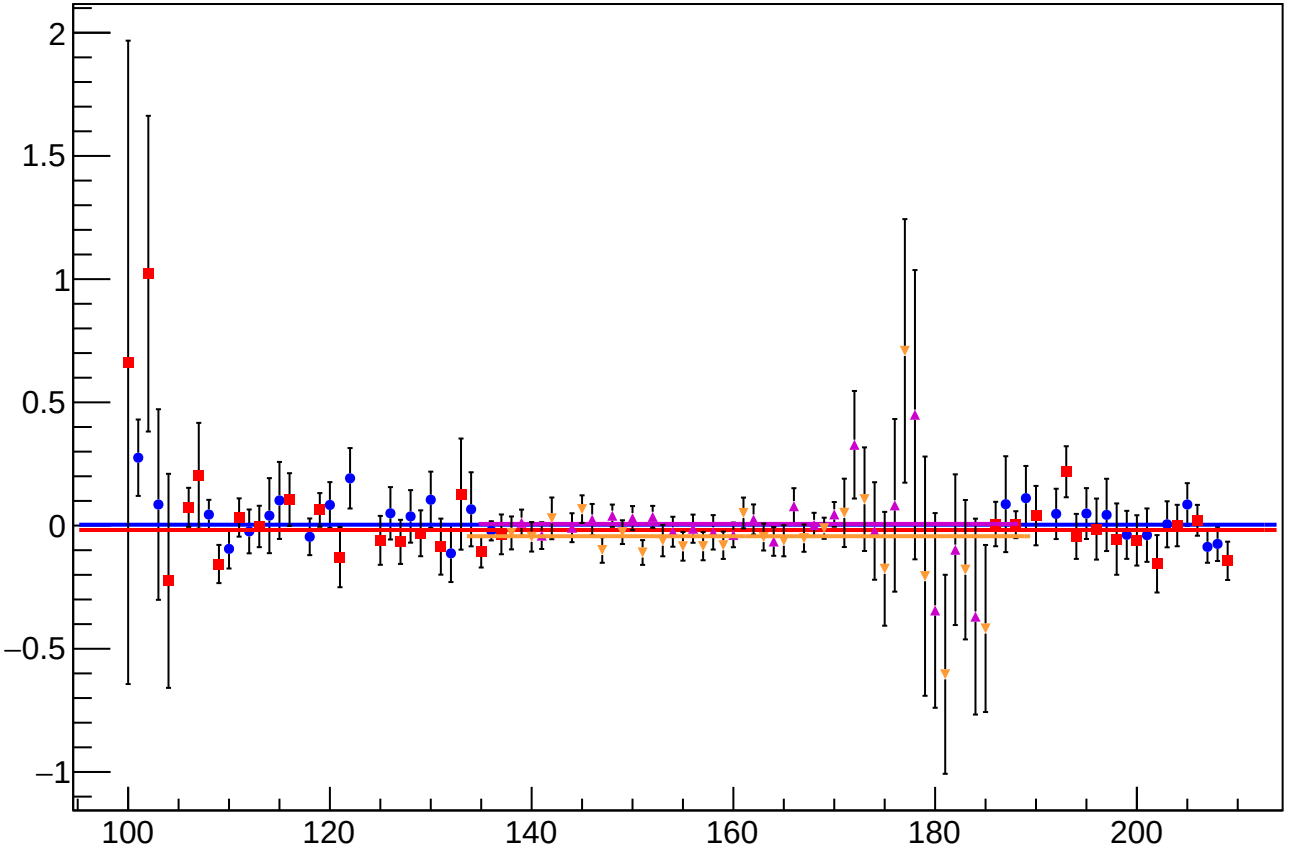
Right: 60.851+/-0.009 χ^2/NDF: 8500661.8/56

In: 53.029+/-0.008 χ^2/NDF:11894117.2/49

Out: 53.851+/-0.008 χ^2/NDF:12109083.2/53

All: 53.437+/-0.005 χ^2/NDF: 24009080.5/103

asym_us_dd_atlr_dd_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.003+/-0.017 χ^2/NDF: 17.6/26

Left Out: -0.043+/-0.014 χ^2/NDF:18.9/23

Right Out: -0.018+/-0.017 χ^2/NDF: 26.4/29

Left In: 0.007+/-0.014 χ^2/NDF:11.3/22

Left: -0.018+/-0.010 χ^2/NDF: 36.8/46

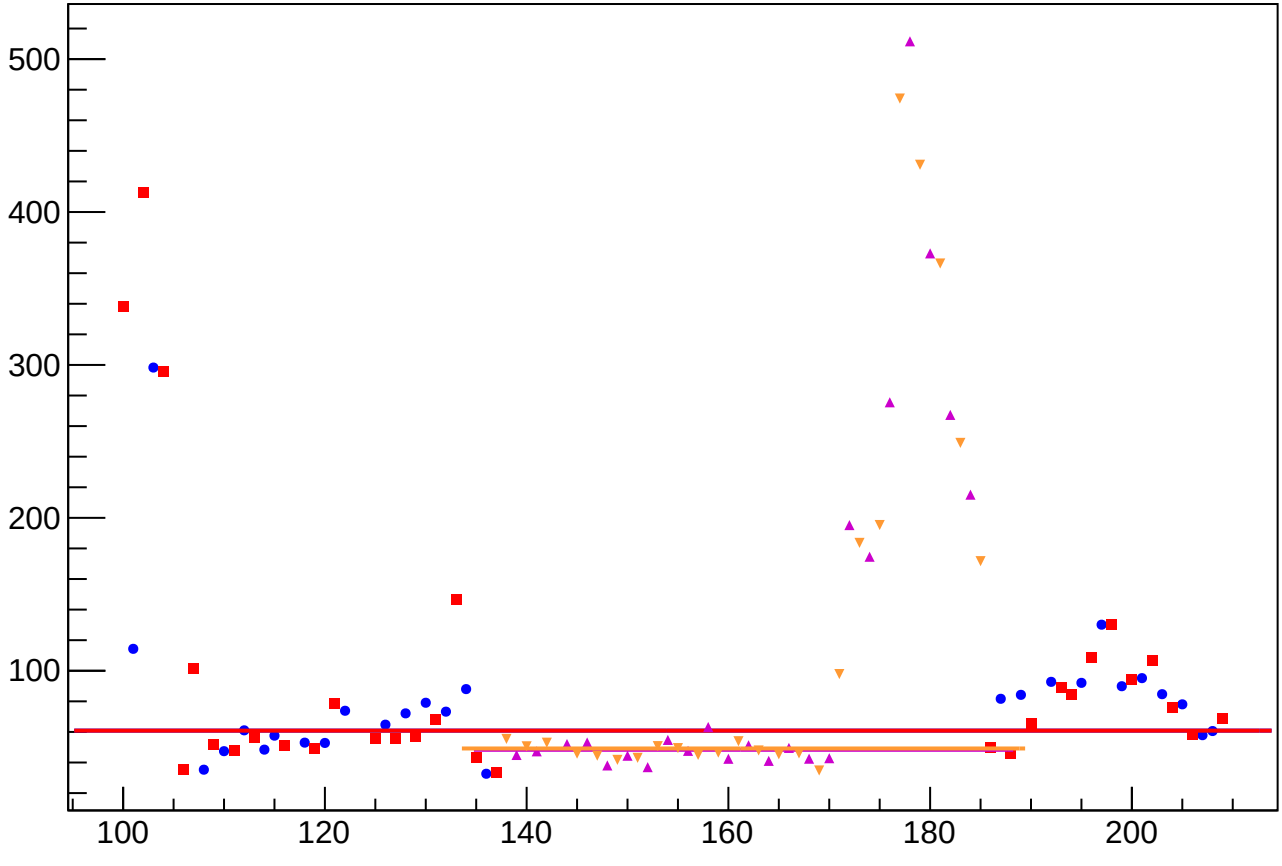
Right: -0.008+/-0.012 χ^2/NDF: 44.8/56

In: 0.005+/-0.011 χ^2/NDF:28.9/49

Out: -0.033+/-0.011 χ^2/NDF:46.6/53

All: -0.014+/-0.008 χ^2/NDF: 82.0/103

asym_us_dd_atlr_dd_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 60.861+/-0.012 χ^2/NDF: 4205158.0/26

Left Out: 49.180+/-0.010 χ^2/NDF:7250102.5/23

Right Out: 60.841+/-0.012 χ^2/NDF: 4295502.5/29

Left In: 48.307+/-0.010 χ^2/NDF:7040585.4/22

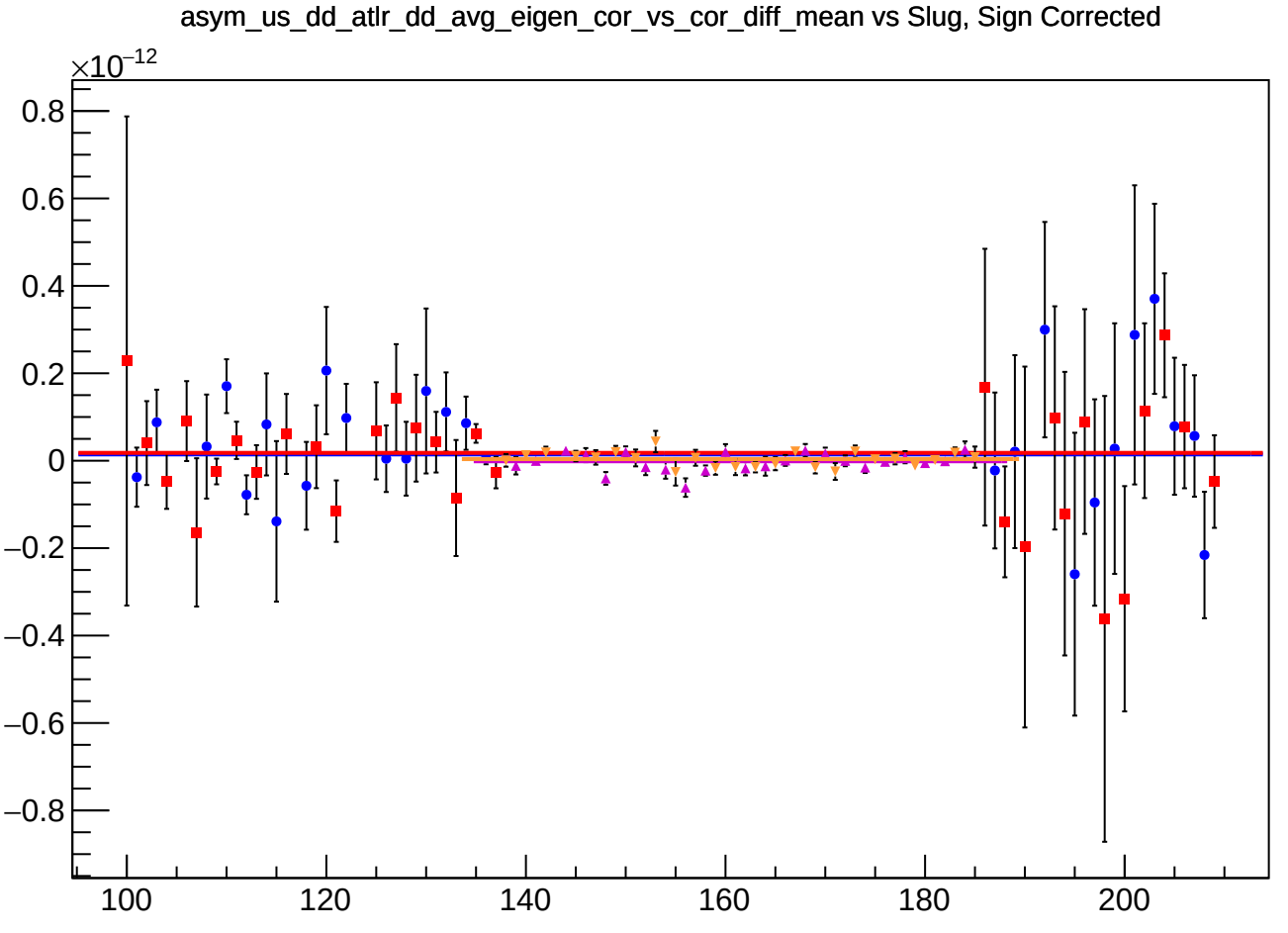
Left: 48.731+/-0.007 χ^2/NDF: 14294736.5/46

Right: 60.851+/-0.009 χ^2/NDF: 8500661.8/56

In: 53.029+/-0.008 χ^2/NDF:11894117.2/49

Out: 53.851+/-0.008 χ^2/NDF:12109083.2/53

All: 53.437+/-0.005 χ^2/NDF: 24009080.5/103



Right In: 0.000+/-0.000 χ^2/NDF: 28.8/26

Left Out: 0.000+/-0.000 χ^2/NDF:24.6/23

Right Out: 0.000+/-0.000 χ^2/NDF: 27.1/29

Left In: -0.000+/-0.000 χ^2/NDF:40.0/22

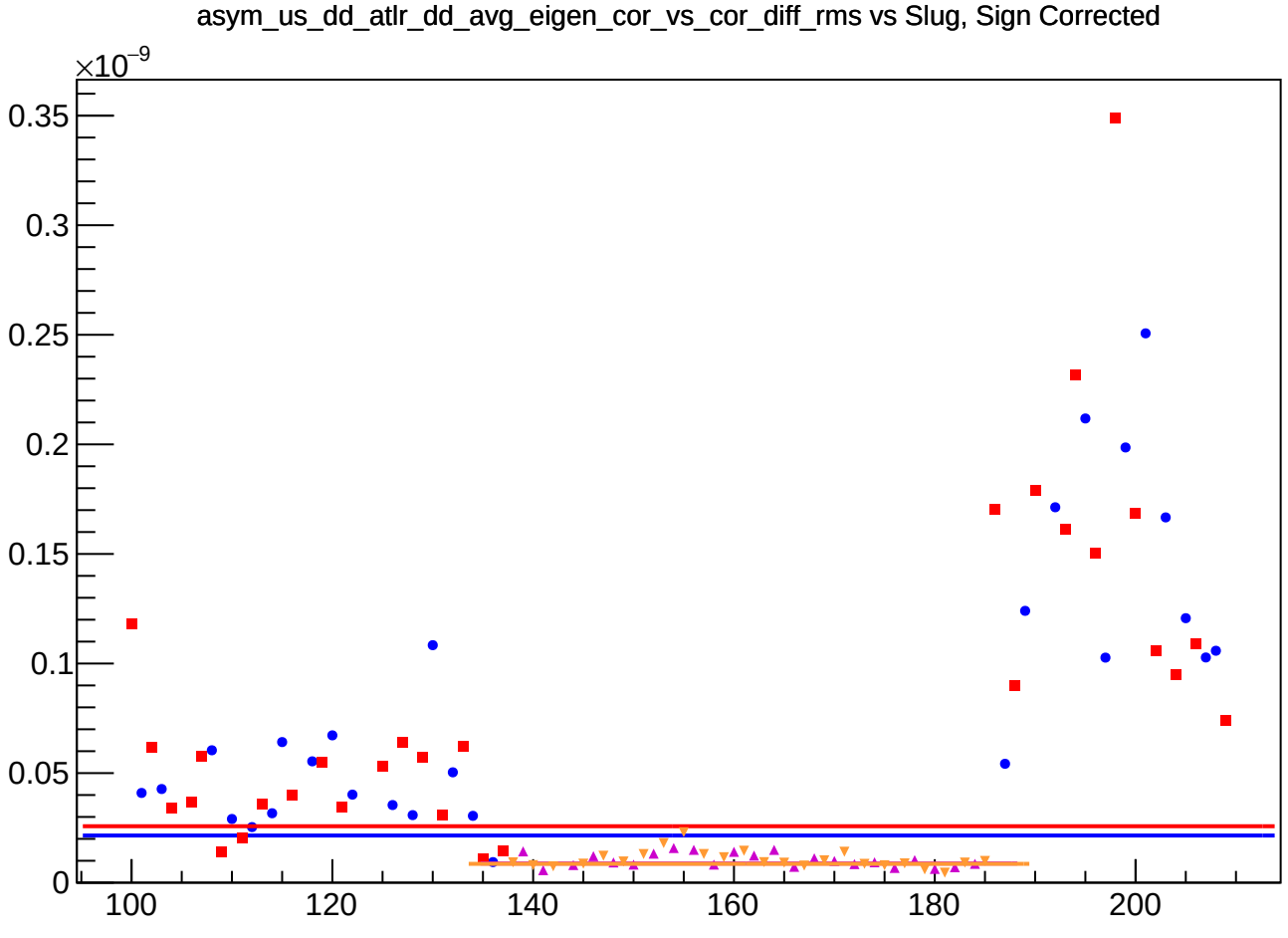
Left: 0.000+/-0.000 χ^2/NDF: 66.3/46

Right: 0.000+/-0.000 χ^2/NDF: 55.9/56

In: -0.000+/-0.000 χ^2/NDF:70.7/49

Out: 0.000+/-0.000 χ^2/NDF:52.9/53

All: 0.000+/-0.000 χ^2/NDF: 125.2/103



Right In: 0.000+/-0.000 χ^2/NDF: 10486449.5/26

Left Out: 0.000+/-0.000 χ^2/NDF:2499872.6/23

Right Out: 0.000+/-0.000 χ^2/NDF: 9261493.8/29

Left In: 0.000+/-0.000 χ^2/NDF:1954811.1/22

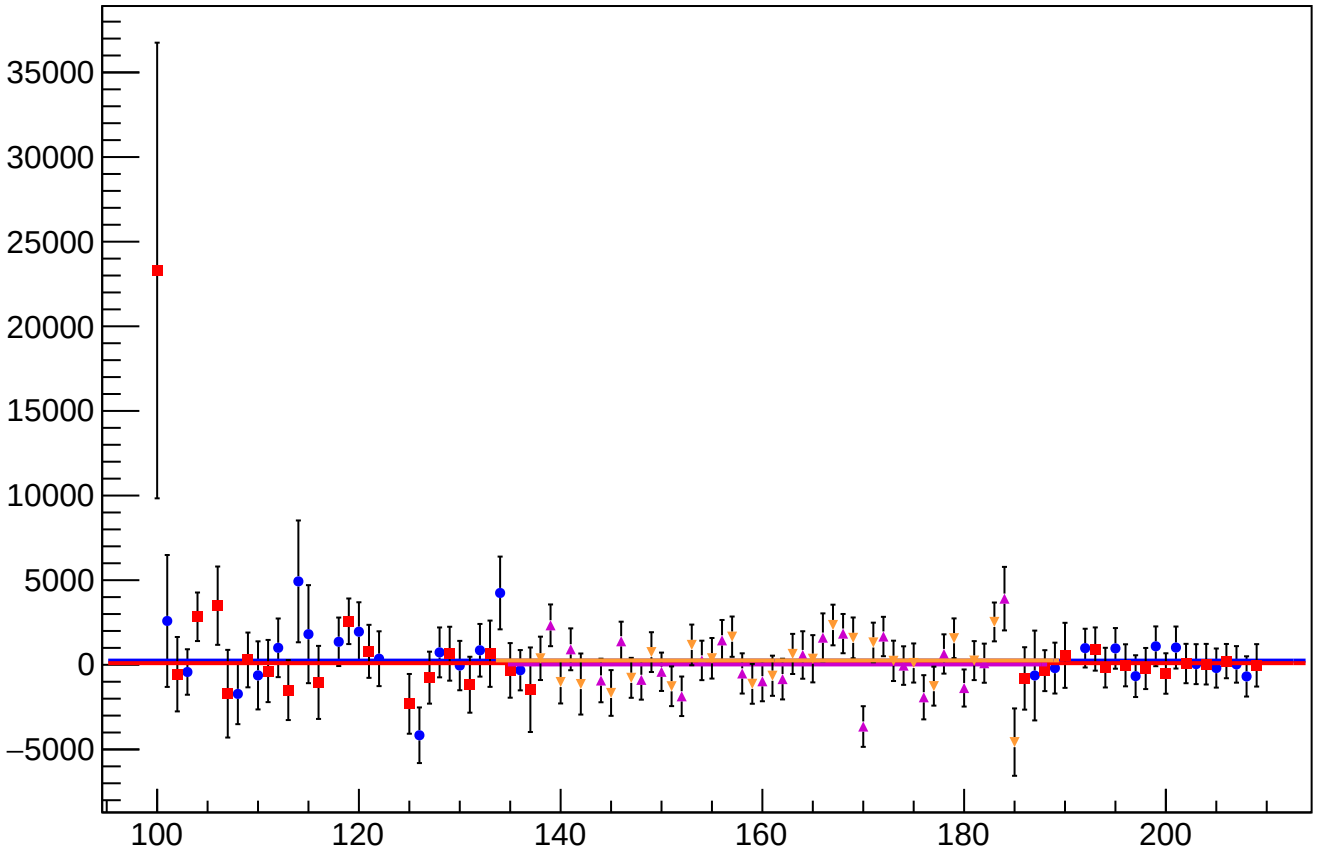
Left: 0.000+/-0.000 χ^2/NDF: 4458320.3/46

Right: 0.000+/-0.000 χ^2/NDF: 19879891.0/56

In: 0.000+/-0.000 χ^2/NDF:14926350.6/49

Out: 0.000+/-0.000 χ^2/NDF:15538575.5/53

All: 0.000+/-0.000 χ^2/NDF: 30466091.4/103



Right In: 247.765+/-281.186 χ^2/NDF: 20.2/26

Left Out: 260.650+/-251.401 χ^2/NDF:28.2/23

Right Out: 97.806+/-275.442 χ^2/NDF: 18.8/29

Left In: 22.368+/-253.332 χ^2/NDF:35.8/22

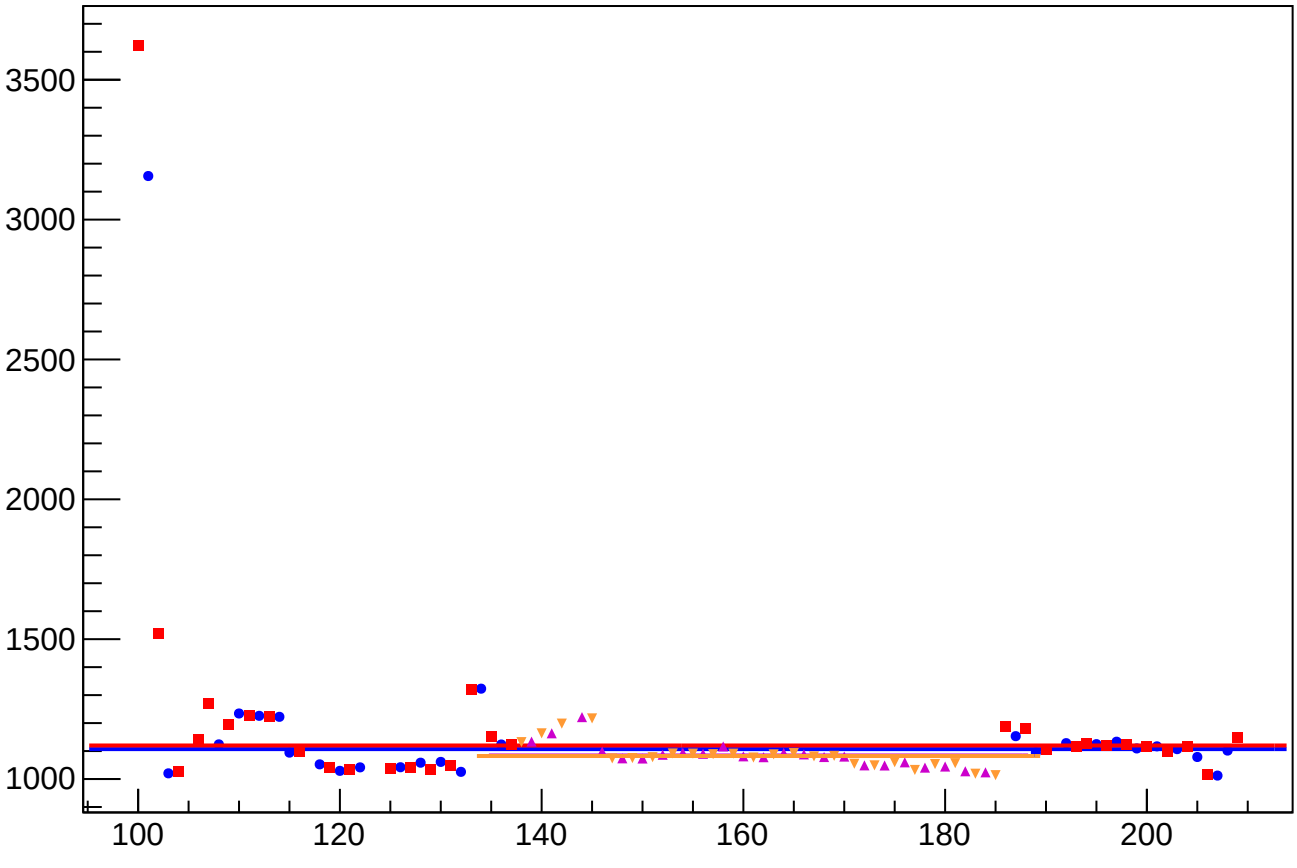
Left: 142.421+/-178.446 χ^2/NDF: 64.5/46

Right: 171.238+/-196.766 χ^2/NDF: 39.1/56

In: 123.353+/-188.212 χ^2/NDF:56.4/49

Out: 186.644+/-185.686 χ^2/NDF:47.2/53

All: 155.426+/-132.184 χ^2/NDF: 103.6/103



Right In: 1106.949+/-0.199 χ^2/NDF: 643847.5/26

Left Out: 1082.308+/-0.178 χ^2/NDF:57873.0/23

Right Out: 1119.935+/-0.195 χ^2/NDF: 252520.1/29

Left In: 1084.166+/-0.179 χ^2/NDF:53438.8/22

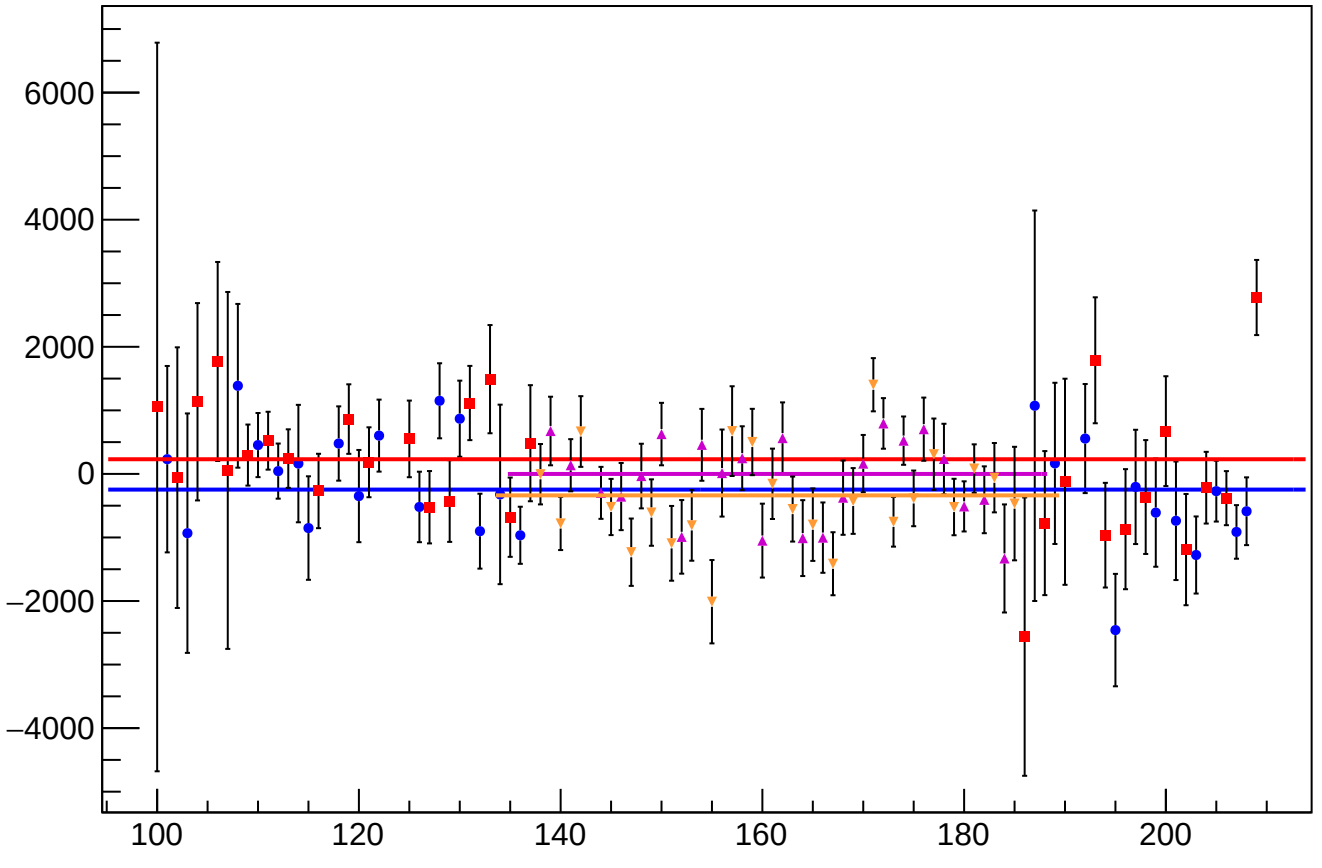
Left: 1083.230+/-0.126 χ^2/NDF: 111366.1/46

Right: 1113.576+/-0.139 χ^2/NDF: 898544.7/56

In: 1094.373+/-0.133 χ^2/NDF:704533.3/49

Out: 1099.408+/-0.131 χ^2/NDF:330754.7/53

All: 1096.925+/-0.093 χ^2/NDF: 1036013.2/10



Right In: -246.707+/-127.183 χ^2/NDF: 35.6/26

Left Out: -337.727+/-102.601 χ^2/NDF:48.8/23

Right Out: 230.777+/-127.628 χ^2/NDF: 46.6/29

Left In: -0.547+/-104.733 χ^2/NDF:31.9/22

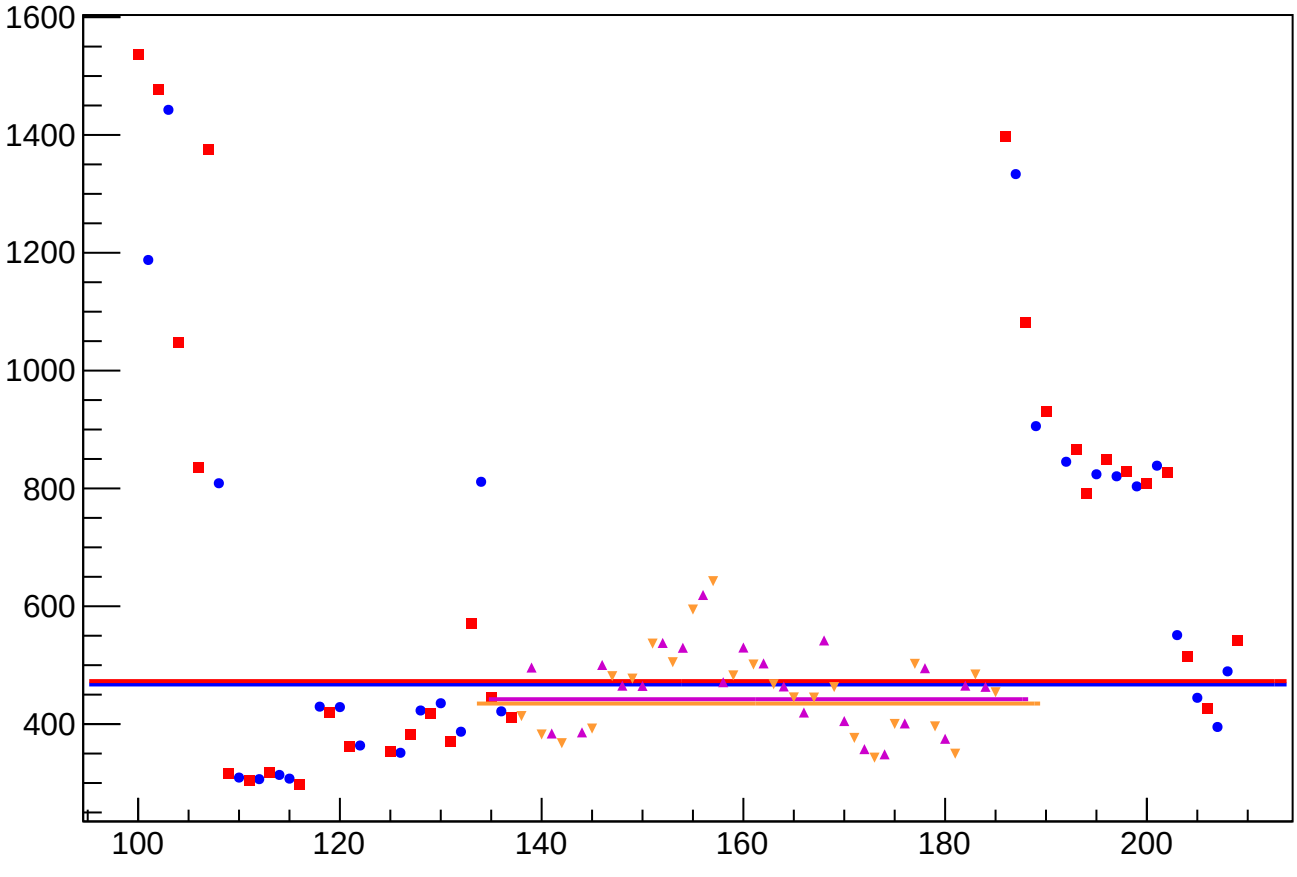
Left: -172.603+/-73.292 χ^2/NDF: 85.9/46

Right: -8.798+/-90.089 χ^2/NDF: 89.2/56

In: -100.019+/-80.848 χ^2/NDF:69.6/49

Out: -114.552+/-79.965 χ^2/NDF:107.4/53

All: -107.365+/-56.854 χ^2/NDF: 177.1/103



Right In: 467.243+/-0.090 χ^2/NDF: 4278456.4/26

Left Out: 434.858+/-0.073 χ^2/NDF:878416.4/23

Right Out: 472.962+/-0.090 χ^2/NDF: 5404110.9/29

Left In: 442.209+/-0.074 χ^2/NDF:825972.2/22

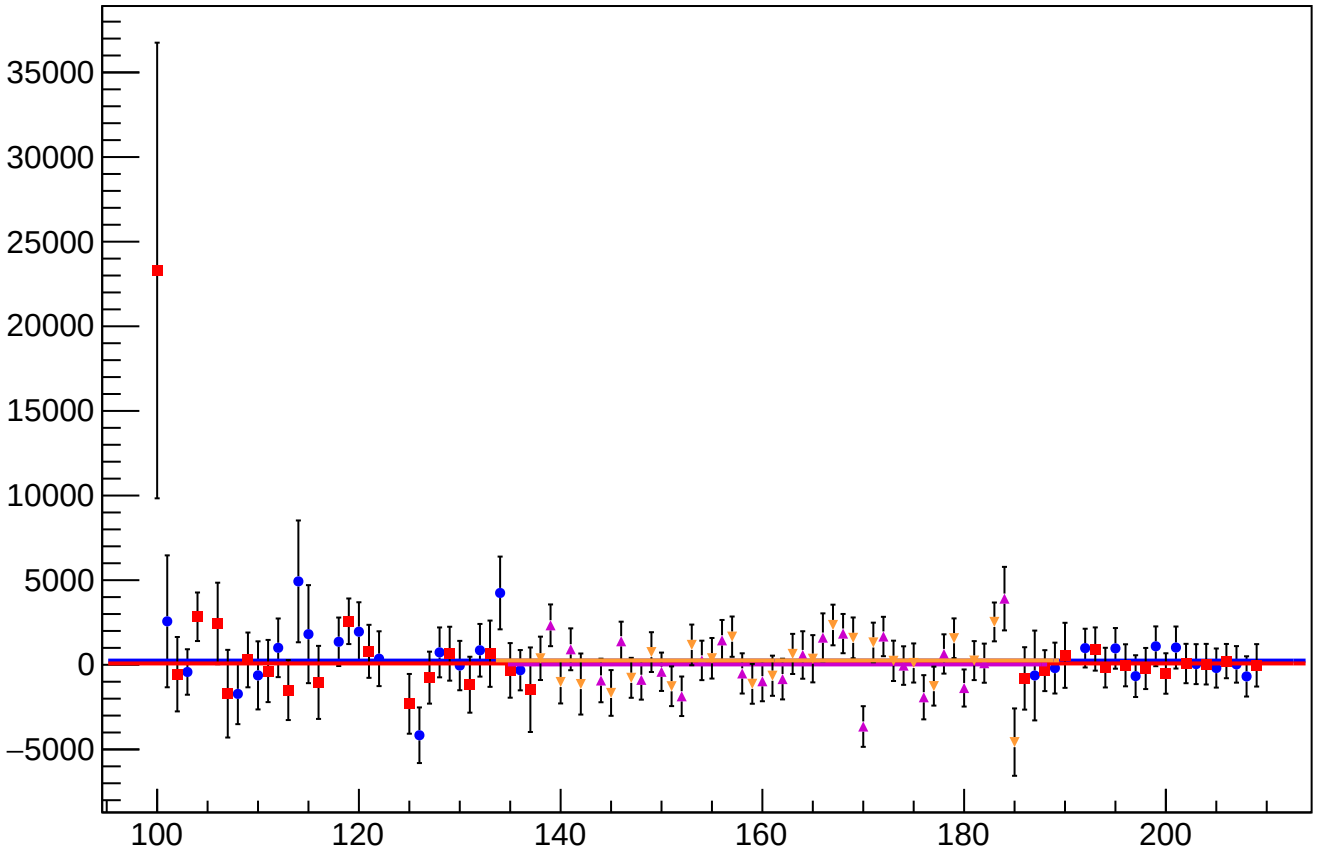
Left: 438.458+/-0.052 χ^2/NDF: 1709415.0/46

Right: 470.093+/-0.064 χ^2/NDF: 9684582.0/56

In: 452.325+/-0.057 χ^2/NDF:5150605.9/49

Out: 449.817+/-0.057 χ^2/NDF:6390811.5/53

All: 451.057+/-0.040 χ^2/NDF: 11542390.6/10



Right In: 247.643+/-281.186 χ^2/NDF: 20.2/26

Left Out: 260.639+/-251.401 χ^2/NDF:28.2/23

Right Out: 80.299+/-275.593 χ^2/NDF: 17.6/29

Left In: 22.362+/-253.332 χ^2/NDF:35.8/22

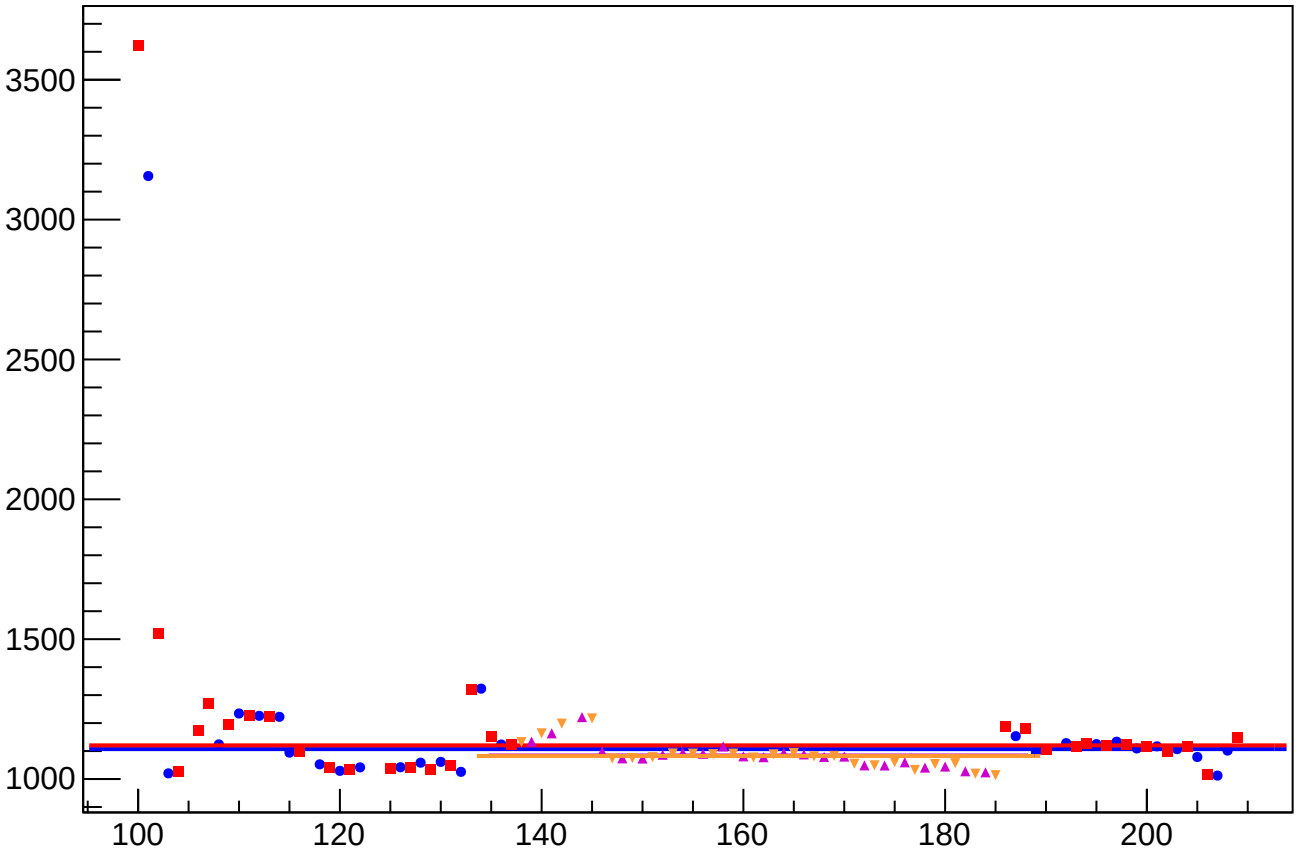
Left: 142.412+/-178.446 χ^2/NDF: 64.5/46

Right: 162.290+/-196.821 χ^2/NDF: 38.0/56

In: 123.295+/-188.212 χ^2/NDF:56.3/49

Out: 178.731+/-185.732 χ^2/NDF:46.0/53

All: 151.380+/-132.200 χ^2/NDF: 102.4/103



Right In: 1106.948+/-0.199 χ^2/NDF: 643848.4/26

Left Out: 1082.308+/-0.178 χ^2/NDF:57873.0/23

Right Out: 1120.323+/-0.195 χ^2/NDF: 253285.5/29

Left In: 1084.166+/-0.179 χ^2/NDF:53438.8/22

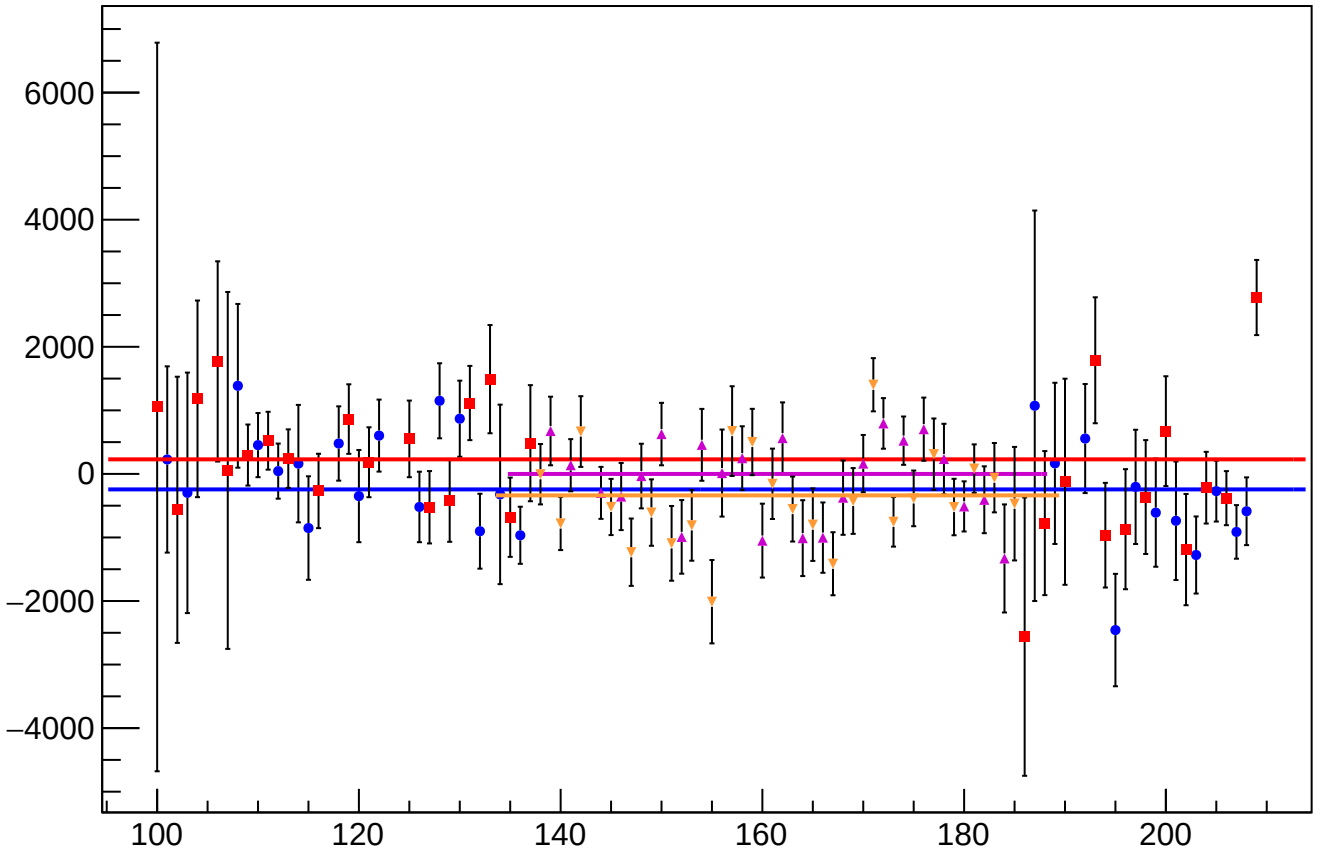
Left: 1083.230+/-0.126 χ^2/NDF: 111366.0/46

Right: 1113.770+/-0.139 χ^2/NDF: 899441.9/56

In: 1094.373+/-0.133 χ^2/NDF:704534.2/49

Out: 1099.574+/-0.131 χ^2/NDF:331929.8/53

All: 1097.008+/-0.093 χ^2/NDF: 1037237.7/10



Right In: -243.902+/-127.184 χ^2/NDF: 35.4/26

Left Out: -337.816+/-102.601 χ^2/NDF:48.8/23

Right Out: 229.207+/-127.641 χ^2/NDF: 46.7/29

Left In: -0.567+/-104.733 χ^2/NDF:31.9/22

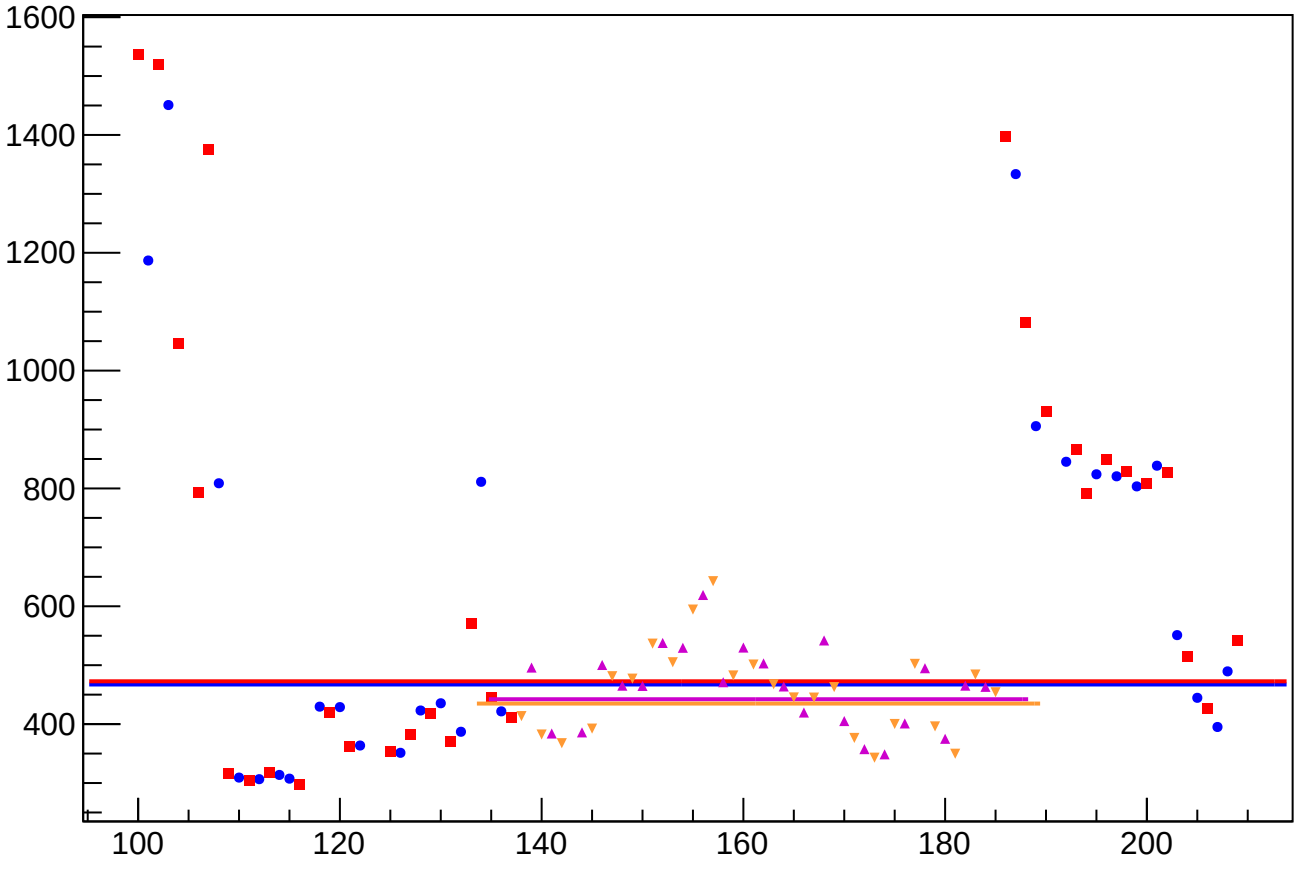
Left: -172.659+/-73.292 χ^2/NDF: 85.9/46

Right: -8.196+/-90.094 χ^2/NDF: 89.0/56

In: -98.896+/-80.849 χ^2/NDF:69.5/49

Out: -115.251+/-79.968 χ^2/NDF:107.5/53

All: -107.163+/-56.855 χ^2/NDF: 177.0/103



Right In: 467.238+/-0.090 χ^2/NDF: 4282246.9/26

Left Out: 434.856+/-0.073 χ^2/NDF:878507.3/23

Right Out: 472.670+/-0.090 χ^2/NDF: 5398621.1/29

Left In: 442.210+/-0.074 χ^2/NDF:825844.5/22

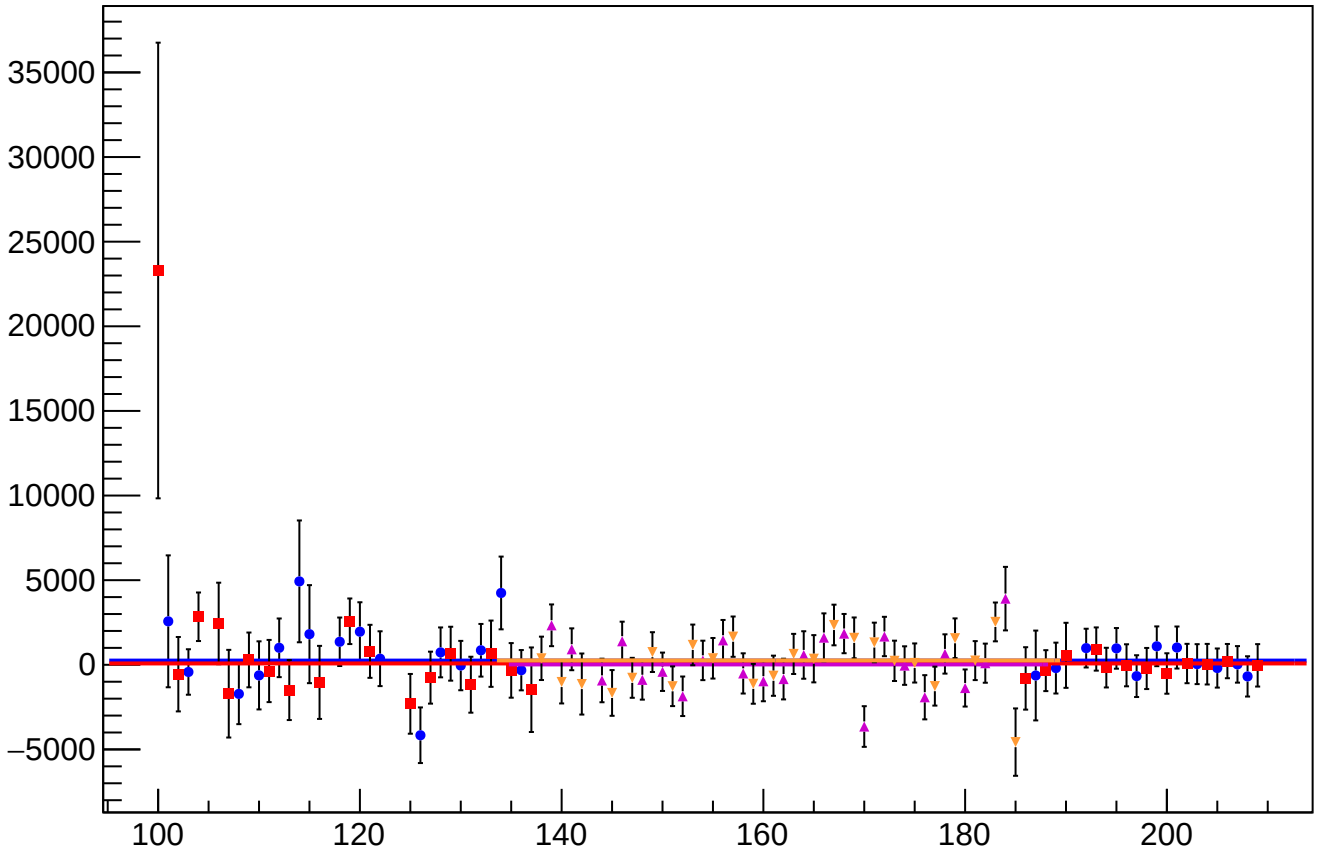
Left: 438.457+/-0.052 χ^2/NDF: 1709383.2/46

Right: 469.944+/-0.064 χ^2/NDF: 9682685.7/56

In: 452.323+/-0.057 χ^2/NDF:5154243.9/49

Out: 449.698+/-0.057 χ^2/NDF:6383761.1/53

All: 450.996+/-0.040 χ^2/NDF: 11539070.5/10



Right In: 247.643+/-281.186 χ^2/NDF: 20.2/26

Left Out: 260.639+/-251.401 χ^2/NDF:28.2/23

Right Out: 80.299+/-275.593 χ^2/NDF: 17.6/29

Left In: 22.362+/-253.332 χ^2/NDF:35.8/22

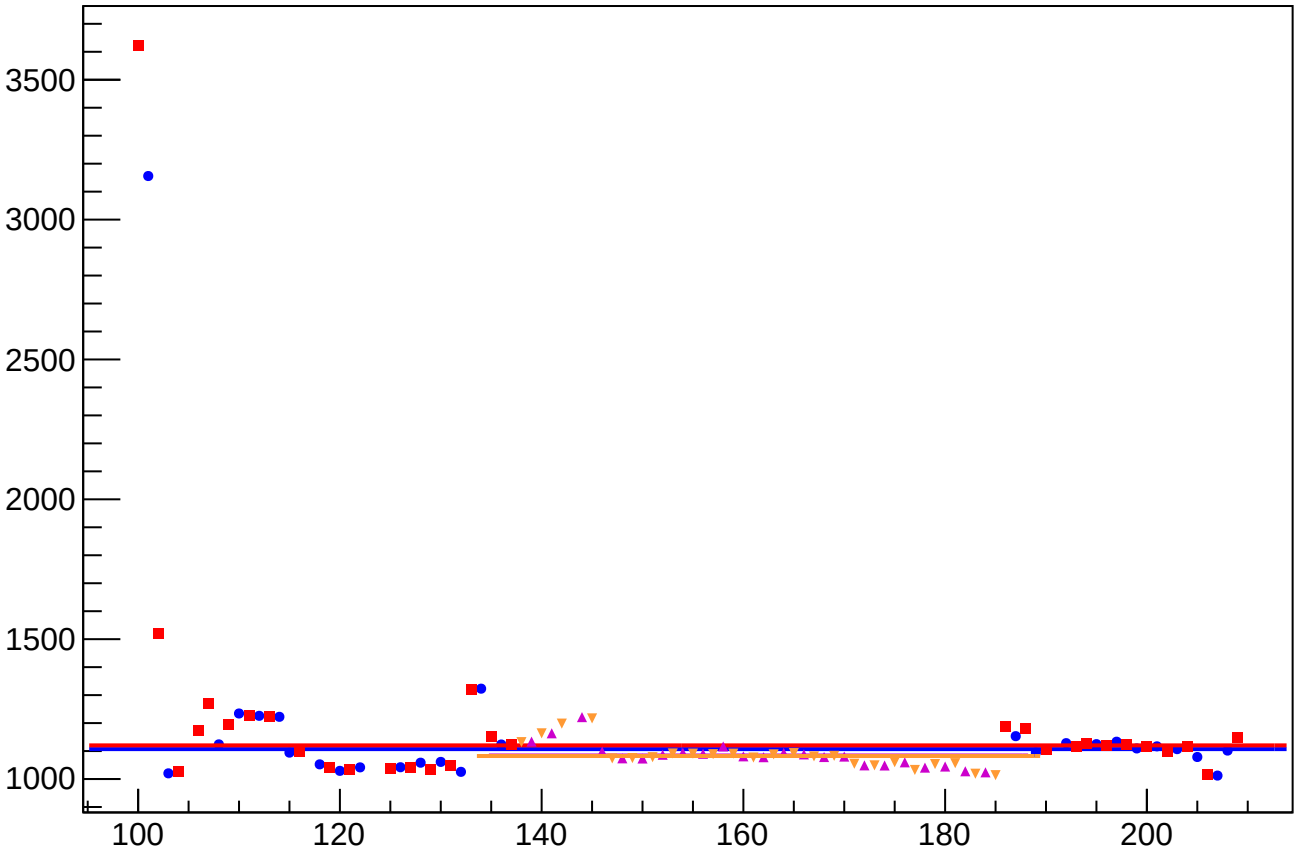
Left: 142.412+/-178.446 χ^2/NDF: 64.5/46

Right: 162.290+/-196.821 χ^2/NDF: 38.0/56

In: 123.295+/-188.212 χ^2/NDF:56.3/49

Out: 178.731+/-185.732 χ^2/NDF:46.0/53

All: 151.380+/-132.200 χ^2/NDF: 102.4/103



Right In: 1106.948+/-0.199 χ^2/NDF: 643848.4/26

Left Out: 1082.308+/-0.178 χ^2/NDF:57873.0/23

Right Out: 1120.323+/-0.195 χ^2/NDF: 253285.5/29

Left In: 1084.166+/-0.179 χ^2/NDF:53438.8/22

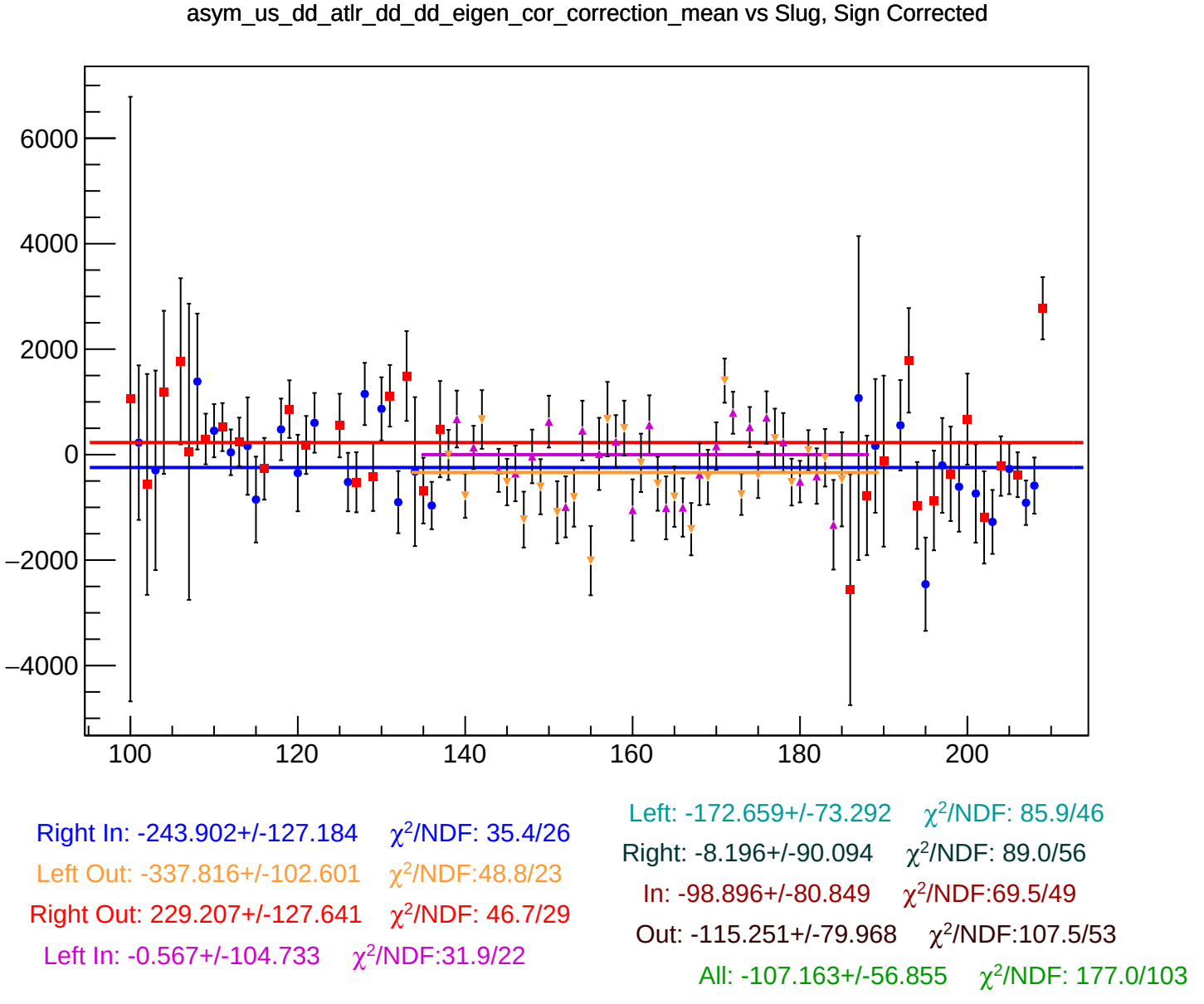
Left: 1083.230+/-0.126 χ^2/NDF: 111366.0/46

Right: 1113.770+/-0.139 χ^2/NDF: 899441.9/56

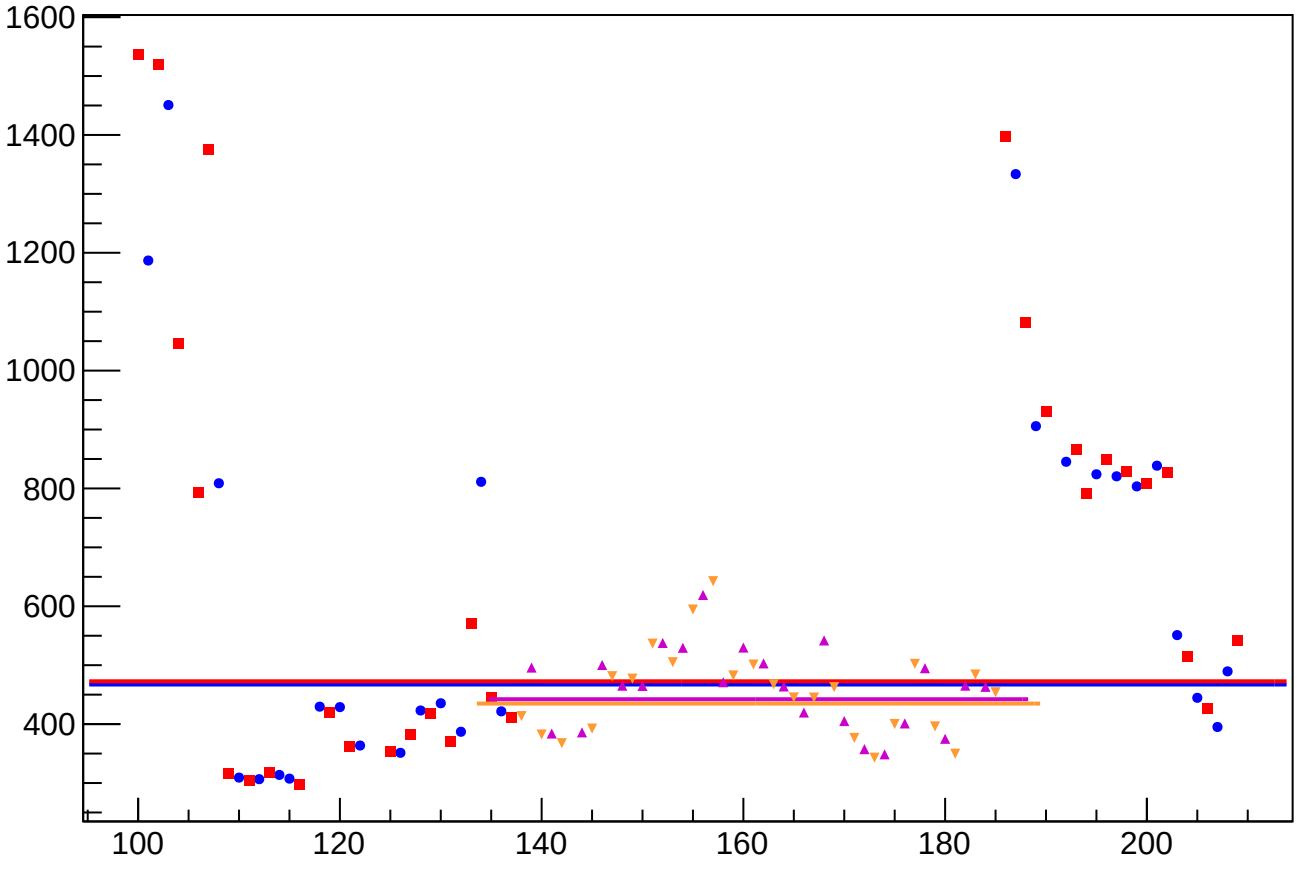
In: 1094.373+/-0.133 χ^2/NDF:704534.2/49

Out: 1099.574+/-0.131 χ^2/NDF:331929.8/53

All: 1097.008+/-0.093 χ^2/NDF: 1037237.7/10


asym_us_dd_atlr_dd_dd_eigen_cor_correction_mean vs Slug, Sign Corrected
6000
4000
2000
0
−2000
−4000
100
120
140
160
180
200
Right In: -243.902+/-127.184 χ²/NDF: 35.4/26
Left Out: -337.816+/-102.601 χ²/NDF:48.8/23
Right Out: 229.207+/-127.641 χ²/NDF: 46.7/29
Left In: -0.567+/-104.733 χ²/NDF:31.9/22
Left: -172.659+/-73.292 χ²/NDF: 85.9/46
Right: -8.196+/-90.094 χ²/NDF: 89.0/56
In: -98.896+/-80.849 χ²/NDF:69.5/49
Out: -115.251+/-79.968 χ²/NDF:107.5/53
All: -107.163+/-56.855 χ²/NDF: 177.0/103

asym_us_dd_atlr_dd_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 467.238+/-0.090 χ^2/NDF: 4282246.9/26

Left Out: 434.856+/-0.073 χ^2/NDF:878507.3/23

Right Out: 472.670+/-0.090 χ^2/NDF: 5398621.1/29

Left In: 442.210+/-0.074 χ^2/NDF:825844.5/22

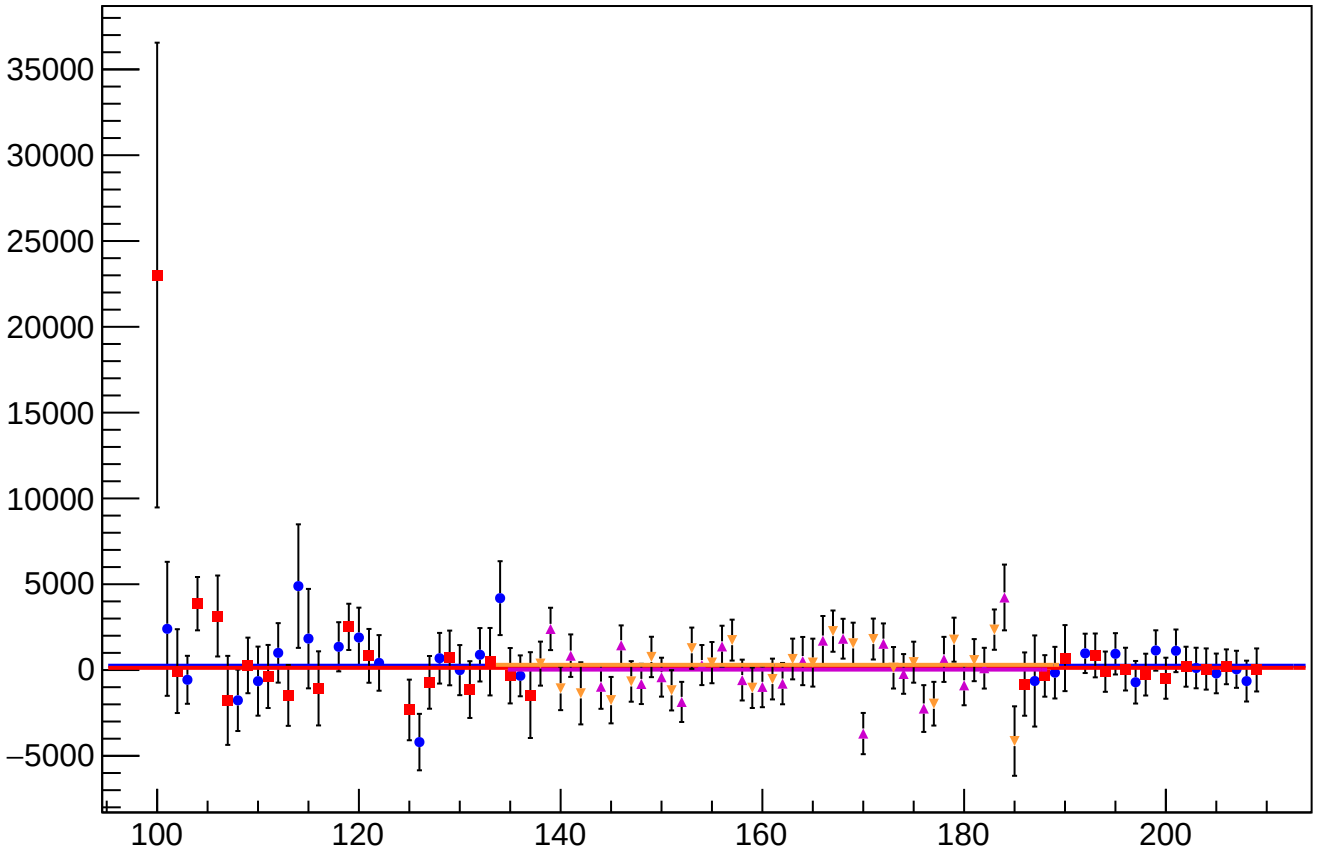
Left: 438.457+/-0.052 χ^2/NDF: 1709383.2/46

Right: 469.944+/-0.064 χ^2/NDF: 9682685.7/56

In: 452.323+/-0.057 χ^2/NDF:5154243.9/49

Out: 449.698+/-0.057 χ^2/NDF:6383761.1/53

All: 450.996+/-0.040 χ^2/NDF: 11539070.5/10



Right In: 251.586+/-281.981 χ^2/NDF: 20.3/26

Left Out: 303.404+/-255.556 χ^2/NDF:28.5/23

Right Out: 128.144+/-277.011 χ^2/NDF: 20.1/29

Left In: 25.319+/-256.866 χ^2/NDF:35.9/22

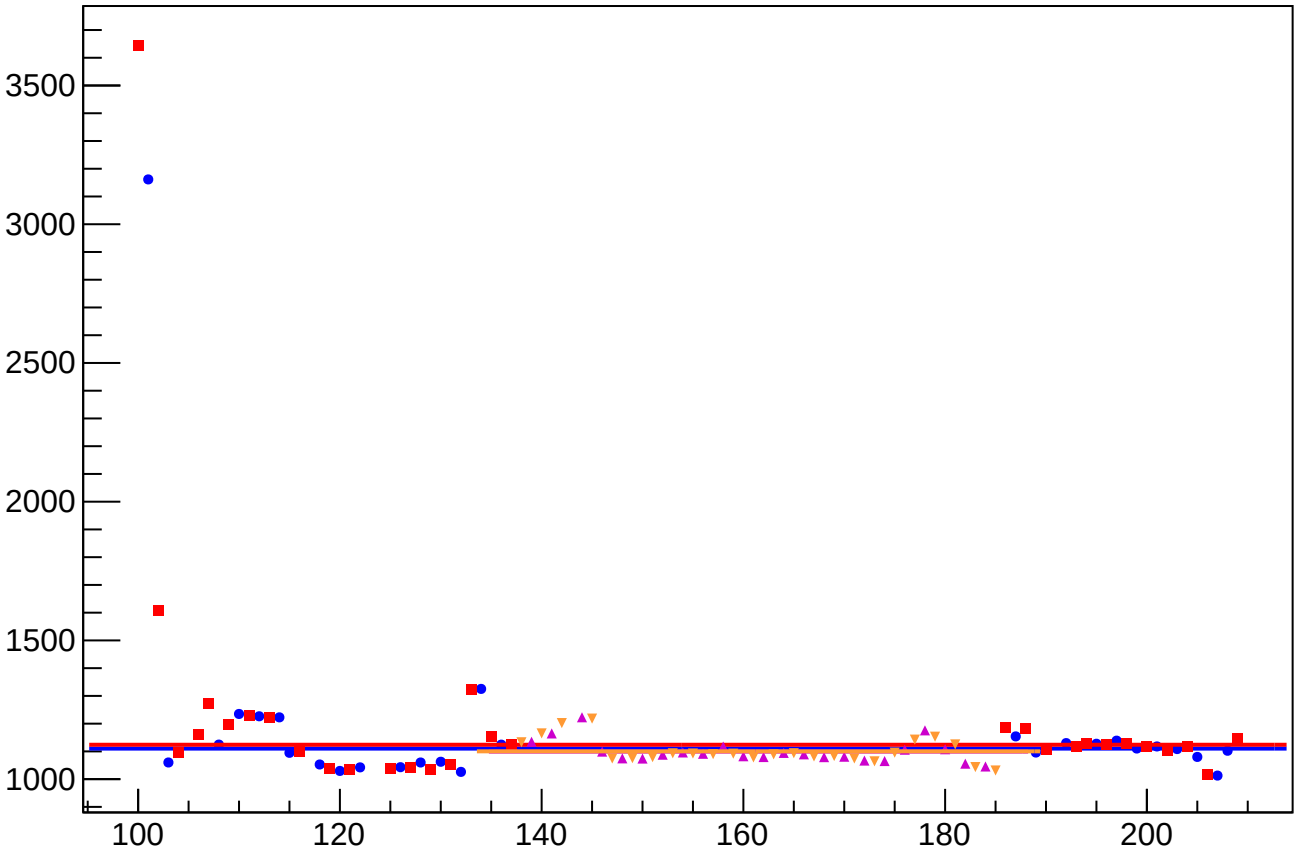
Left: 165.072+/-181.167 χ^2/NDF: 64.9/46

Right: 188.767+/-197.610 χ^2/NDF: 40.5/56

In: 127.929+/-189.891 χ^2/NDF:56.5/49

Out: 222.823+/-187.833 χ^2/NDF:48.8/53

All: 175.893+/-133.540 χ^2/NDF: 105.4/103



Right In: 1110.101+/-0.199 χ^2/NDF: 638947.2/26

Left Out: 1100.258+/-0.181 χ^2/NDF:48774.1/23

Right Out: 1123.946+/-0.196 χ^2/NDF: 259029.7/29

Left In: 1099.342+/-0.182 χ^2/NDF:44785.6/22

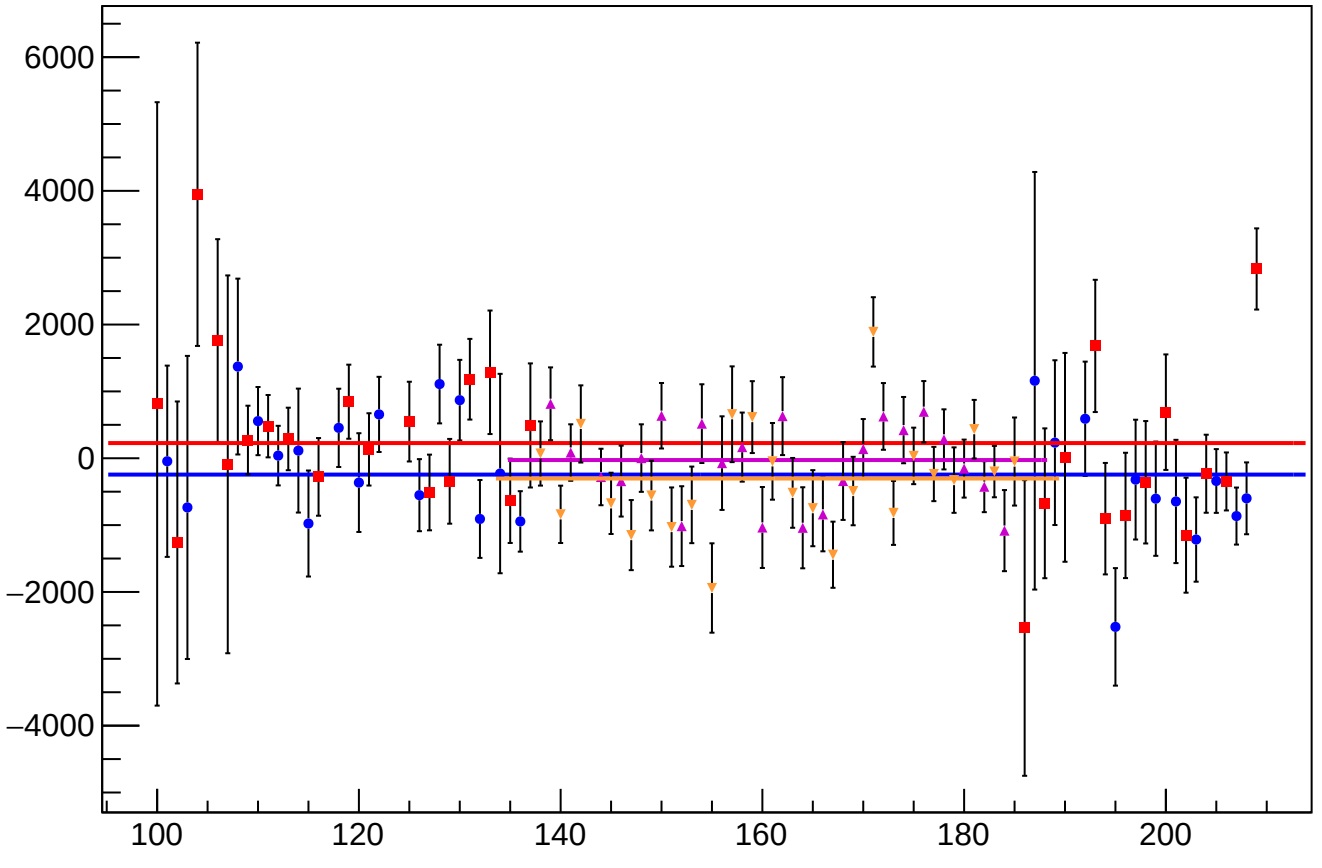
Left: 1099.802+/-0.128 χ^2/NDF: 93572.4/46

Right: 1117.147+/-0.140 χ^2/NDF: 900430.4/56

In: 1104.221+/-0.134 χ^2/NDF:685324.2/49

Out: 1111.149+/-0.133 χ^2/NDF:315704.4/53

All: 1107.723+/-0.094 χ^2/NDF: 1002374.2/10



Right In: -244.250+/-127.770 χ^2/NDF: 35.6/26

Left Out: -303.217+/-102.979 χ^2/NDF:49.5/23

Right Out: 227.254+/-129.641 χ^2/NDF: 46.8/29

Left In: -26.740+/-105.420 χ^2/NDF:27.9/22

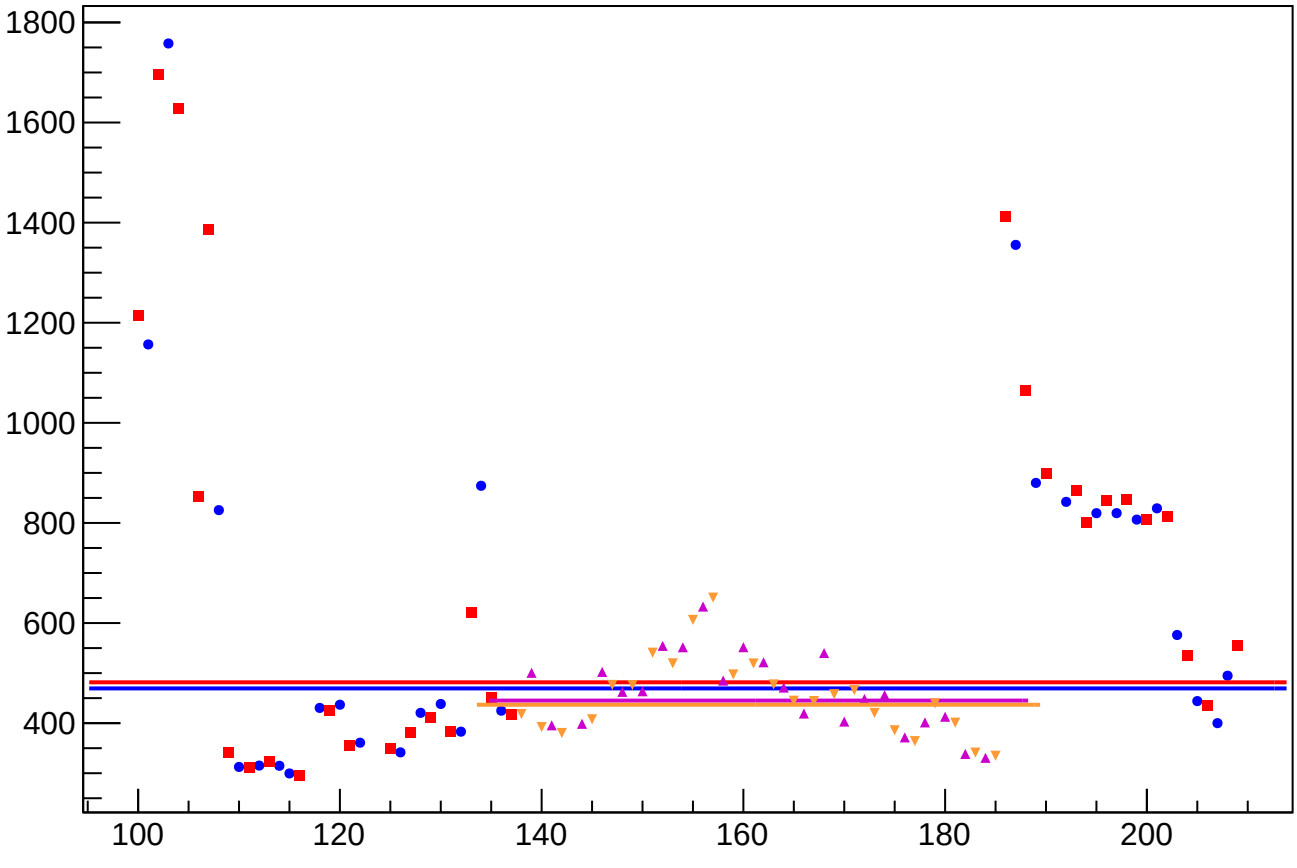
Left: -168.216+/-73.665 χ^2/NDF: 80.9/46

Right: -11.925+/-91.001 χ^2/NDF: 89.0/56

In: -114.838+/-81.315 χ^2/NDF:65.1/49

Out: -97.992+/-80.635 χ^2/NDF:106.6/53

All: -106.344+/-57.257 χ^2/NDF: 171.7/103



Right In: 469.391+/-0.090 χ^2/NDF: 4382038.0/26

Left Out: 436.787+/-0.073 χ^2/NDF:855206.3/23

Right Out: 481.617+/-0.092 χ^2/NDF: 5727260.9/29

Left In: 445.109+/-0.075 χ^2/NDF:874534.9/22

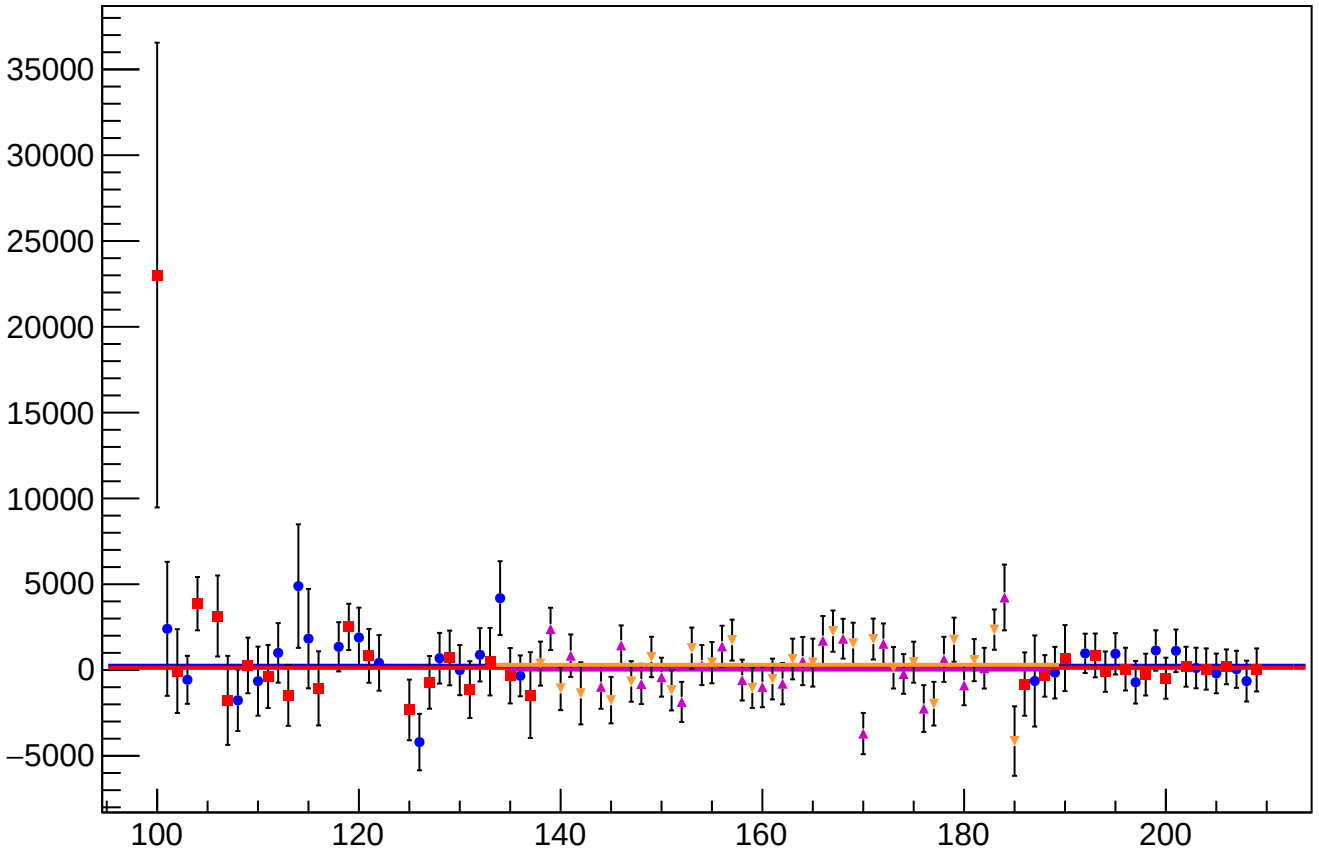
Left: 440.850+/-0.052 χ^2/NDF: 1736118.5/46

Right: 475.415+/-0.064 χ^2/NDF: 10118320.9/56

In: 454.944+/-0.057 χ^2/NDF:5299552.1/49

Out: 454.130+/-0.057 χ^2/NDF:6729099.3/53

All: 454.534+/-0.040 χ^2/NDF: 12028752.4/10



Right In: 251.585+/-281.981 χ^2/NDF: 20.3/26

Left Out: 303.402+/-255.556 χ^2/NDF:28.5/23

Right Out: 128.145+/-277.011 χ^2/NDF: 20.1/29

Left In: 25.320+/-256.866 χ^2/NDF:35.9/22

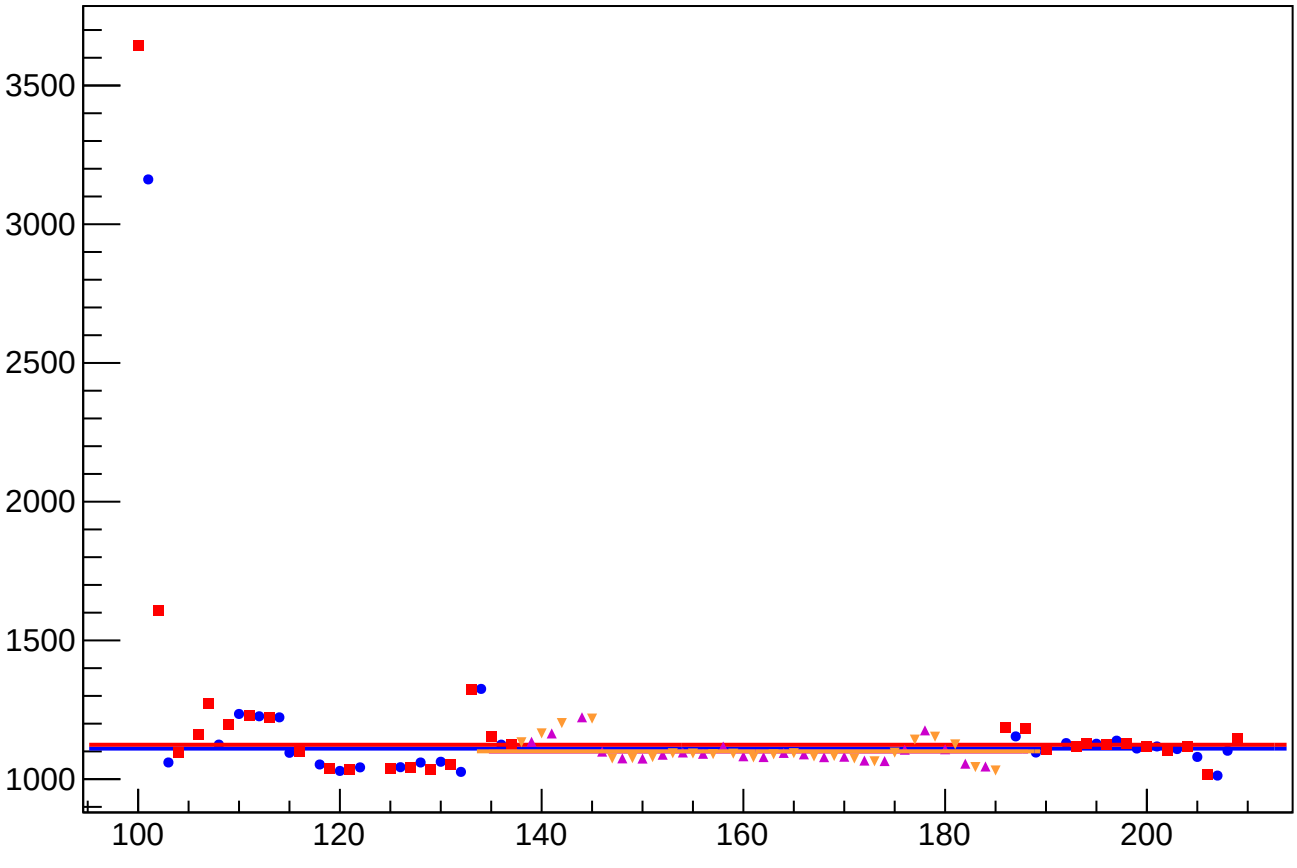
Left: 165.071+/-181.167 χ^2/NDF: 64.9/46

Right: 188.768+/-197.610 χ^2/NDF: 40.5/56

In: 127.929+/-189.891 χ^2/NDF:56.5/49

Out: 222.822+/-187.833 χ^2/NDF:48.8/53

All: 175.893+/-133.540 χ^2/NDF: 105.4/103



Right In: 1110.101+/-0.199 χ^2/NDF: 638947.3/26

Left Out: 1100.258+/-0.181 χ^2/NDF:48774.3/23

Right Out: 1123.946+/-0.196 χ^2/NDF: 259029.8/29

Left In: 1099.342+/-0.182 χ^2/NDF:44785.7/22

Left: 1099.802+/-0.128 χ^2/NDF: 93572.8/46

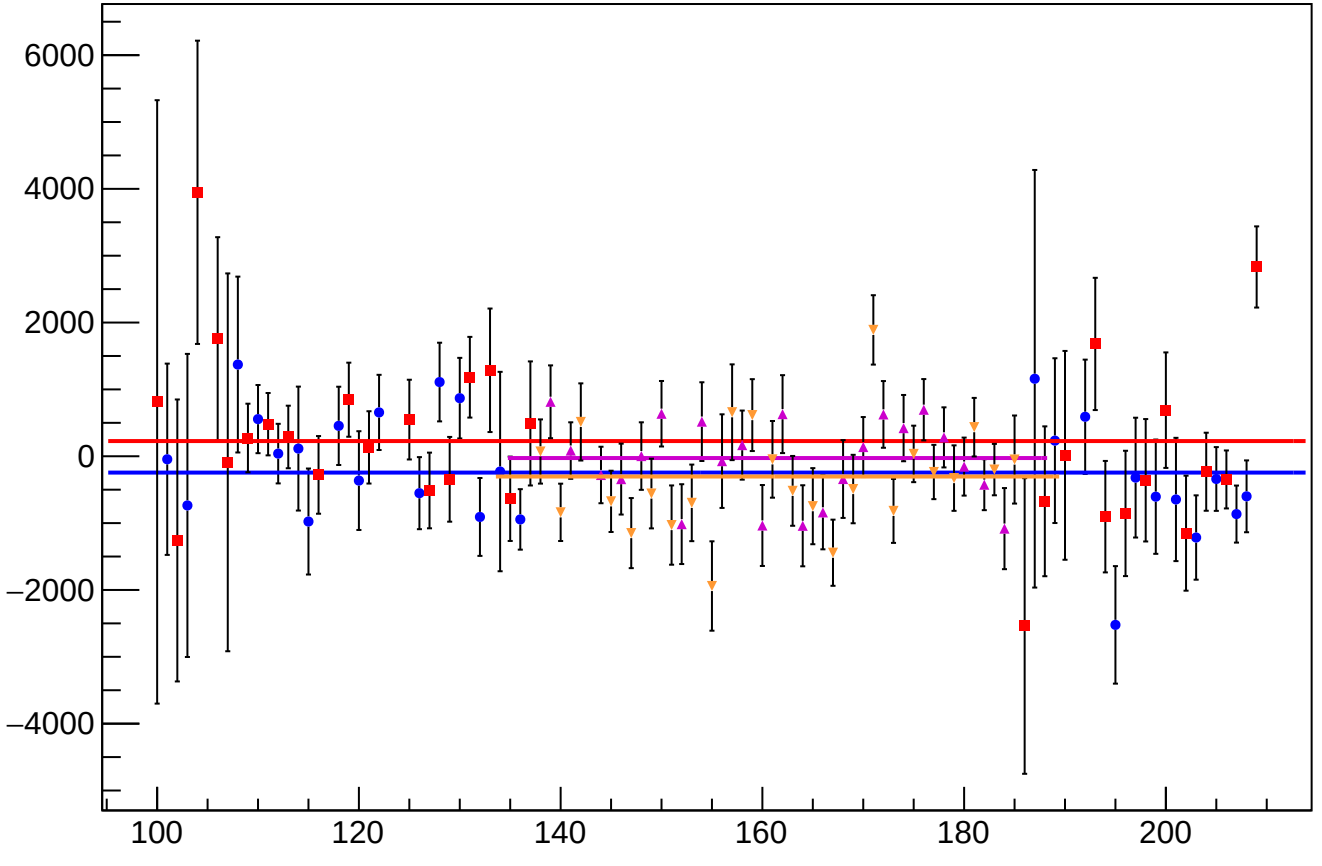
Right: 1117.147+/-0.140 χ^2/NDF: 900430.5/56

In: 1104.221+/-0.134 χ^2/NDF:685324.3/49

Out: 1111.149+/-0.133 χ^2/NDF:315704.7/53

All: 1107.723+/-0.094 χ^2/NDF: 1002374.7/10

asym_us_dd_atlr_dd_dd_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -244.253+/-127.770 χ^2/NDF: 35.6/26

Left Out: -303.218+/-102.979 χ^2/NDF:49.5/23

Right Out: 227.251+/-129.640 χ^2/NDF: 46.8/29

Left In: -26.739+/-105.420 χ^2/NDF:27.9/22

Left: -168.217+/-73.665 χ^2/NDF: 80.9/46

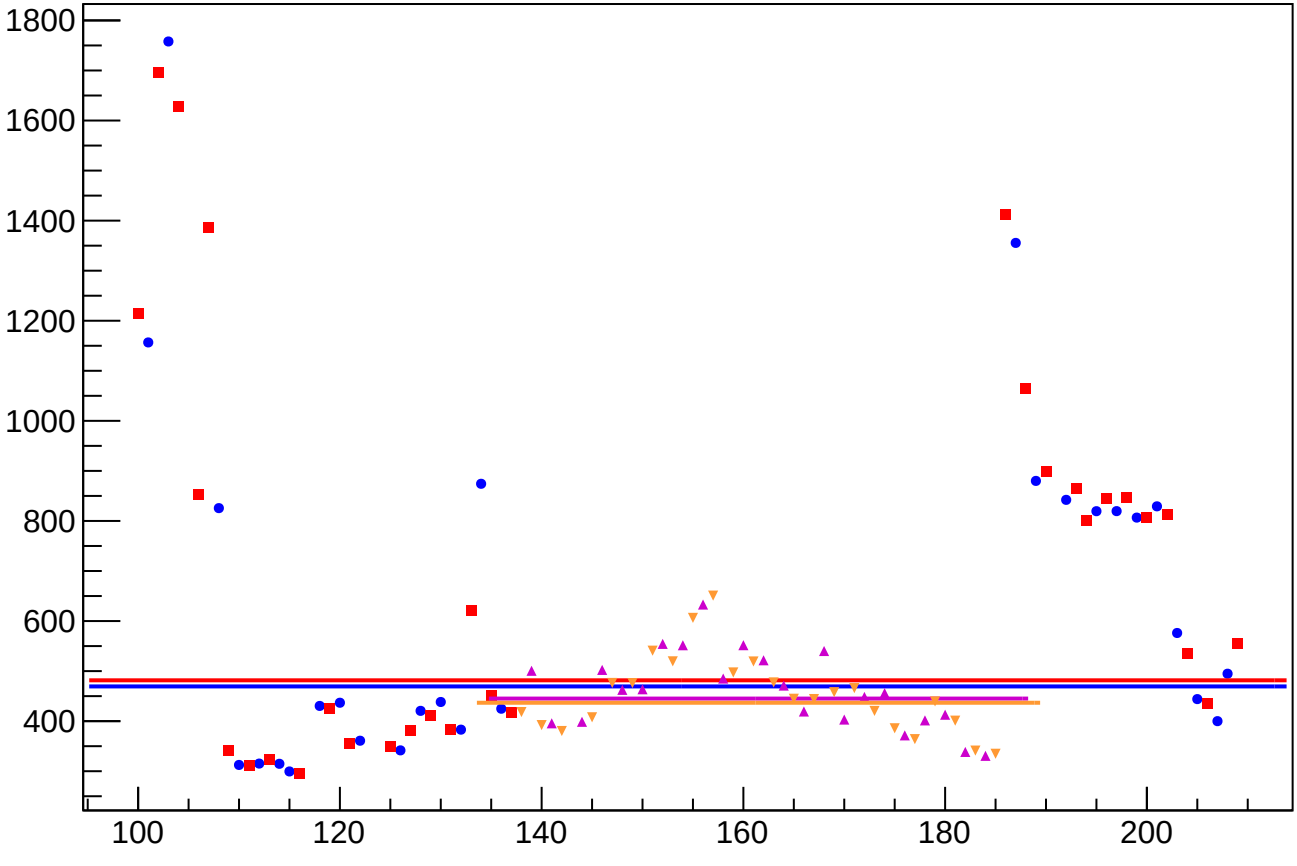
Right: -11.927+/-91.001 χ^2/NDF: 89.0/56

In: -114.839+/-81.315 χ^2/NDF:65.1/49

Out: -97.993+/-80.635 χ^2/NDF:106.6/53

All: -106.345+/-57.257 χ^2/NDF: 171.7/103

asym_us_dd_atlr_dd_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 469.389+/-0.090 χ^2/NDF: 4382072.1/26

Left Out: 436.787+/-0.073 χ^2/NDF:855236.5/23

Right Out: 481.614+/-0.092 χ^2/NDF: 5727328.1/29

Left In: 445.108+/-0.075 χ^2/NDF:874568.8/22

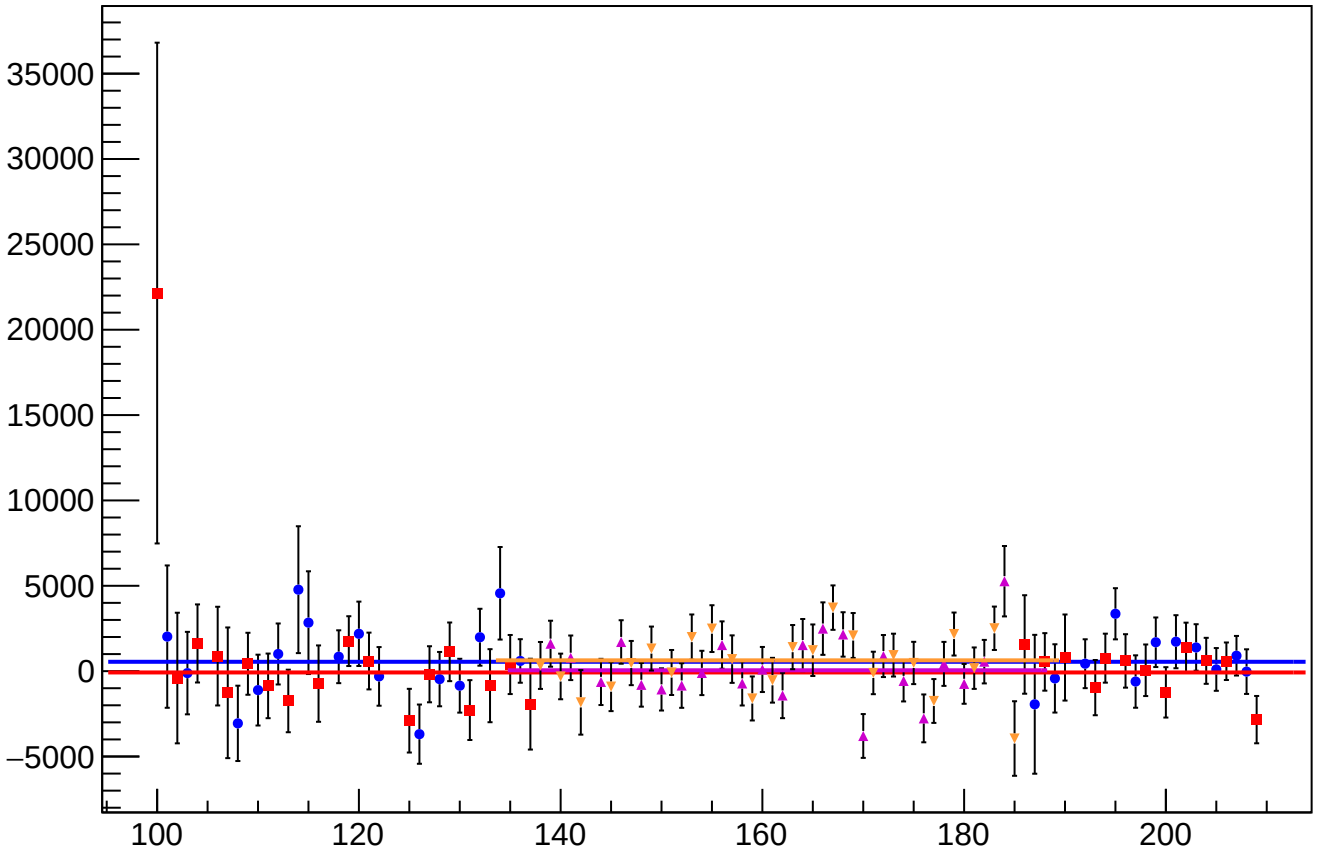
Left: 440.850+/-0.052 χ^2/NDF: 1736182.6/46

Right: 475.412+/-0.064 χ^2/NDF: 10118421.4/56

In: 454.943+/-0.057 χ^2/NDF:5299612.9/49

Out: 454.129+/-0.057 χ^2/NDF:6729179.7/53

All: 454.532+/-0.040 χ^2/NDF: 12028893.5/10



Right In: 548.445+/-324.382 χ^2/NDF: 23.3/26

Left Out: 632.875+/-274.060 χ^2/NDF:30.1/23

Right Out: -76.392+/-323.525 χ^2/NDF: 18.7/29

Left In: 50.835+/-276.213 χ^2/NDF:35.0/22

Left: 344.131+/-194.546 χ^2/NDF: 67.4/46

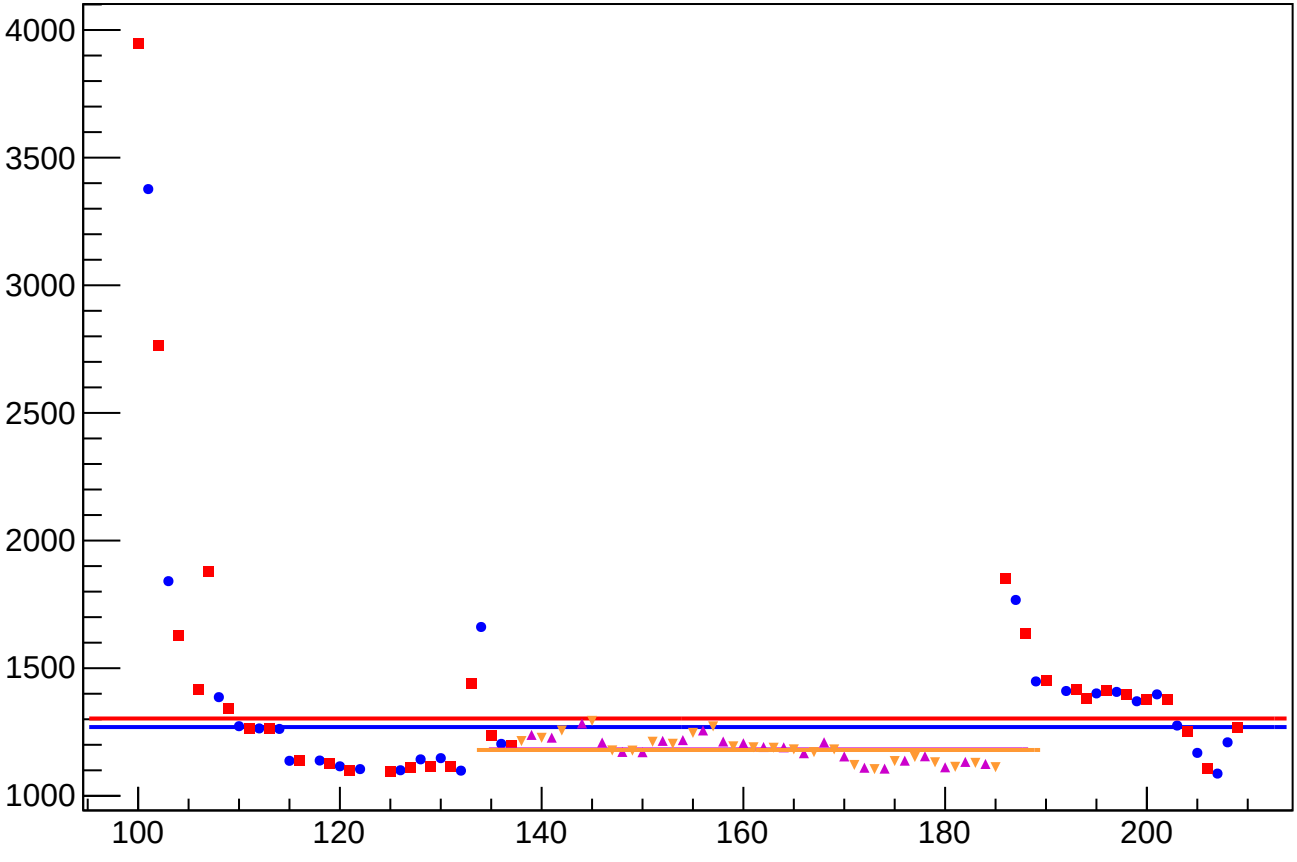
Right: 235.200+/-229.069 χ^2/NDF: 43.8/56

In: 259.986+/-210.301 χ^2/NDF:59.7/49

Out: 336.551+/-209.116 χ^2/NDF:51.6/53

All: 298.485+/-148.284 χ^2/NDF: 111.3/103

asym_us_dd_atlr_dd_dd_rms vs Slug, Sign Corrected



Right In: 1269.445+/-0.229 χ^2/NDF: 977294.8/26

Left Out: 1179.713+/-0.194 χ^2/NDF:64667.7/23

Right Out: 1303.024+/-0.229 χ^2/NDF: 901003.3/29

Left In: 1181.929+/-0.195 χ^2/NDF:60355.9/22

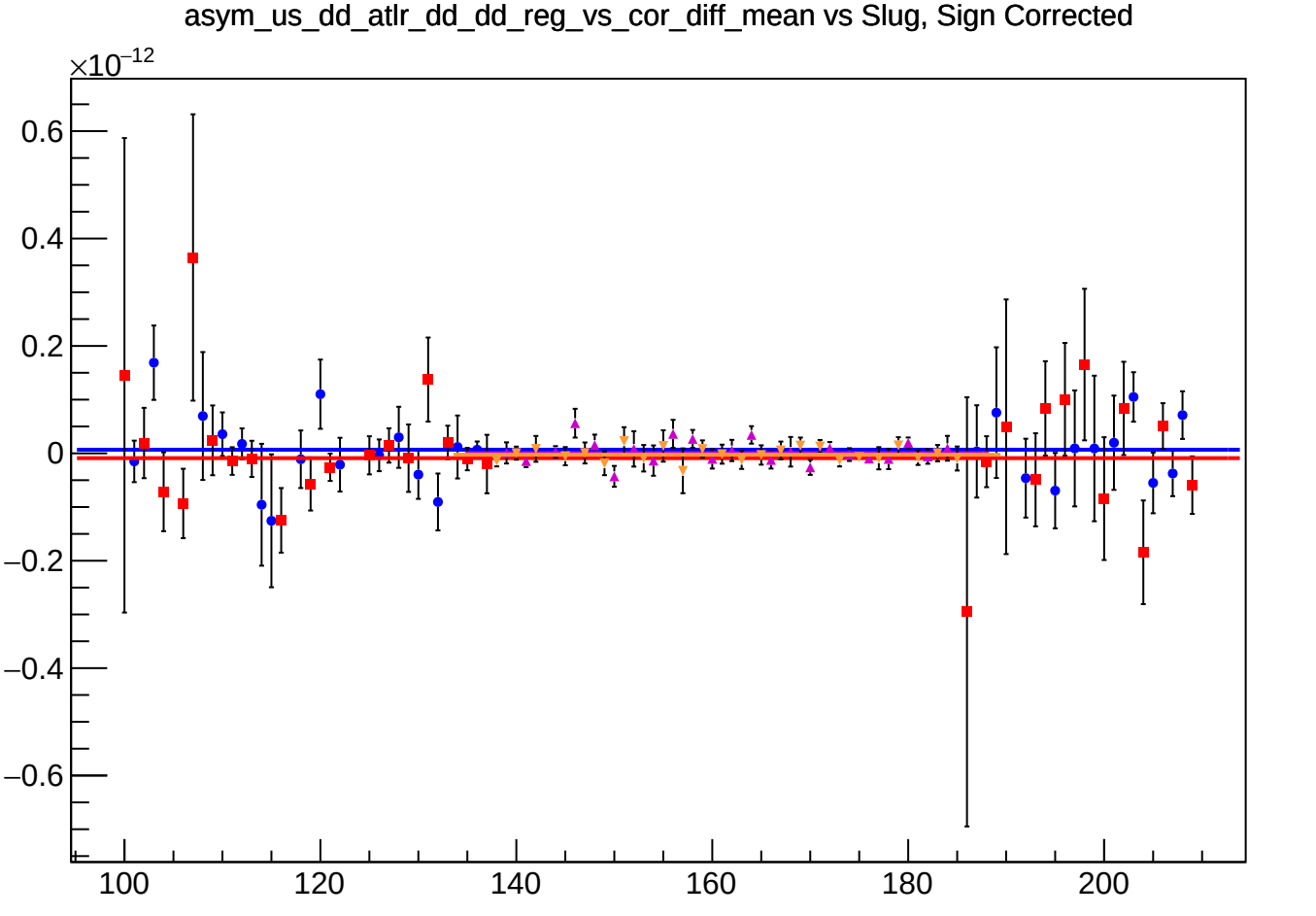
Left: 1180.812+/-0.138 χ^2/NDF: 125088.5/46

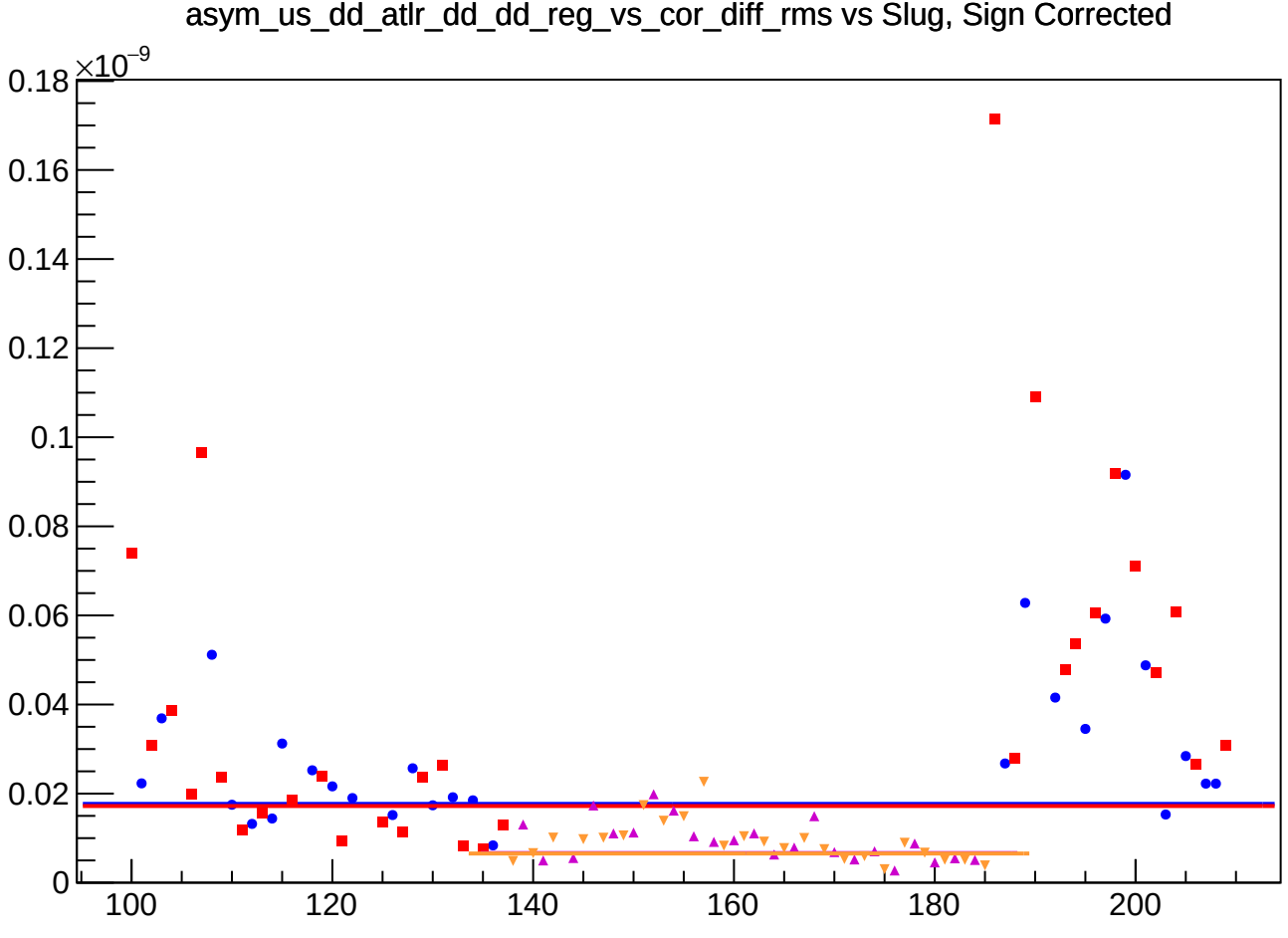
Right: 1286.279+/-0.162 χ^2/NDF: 1889042.1/56

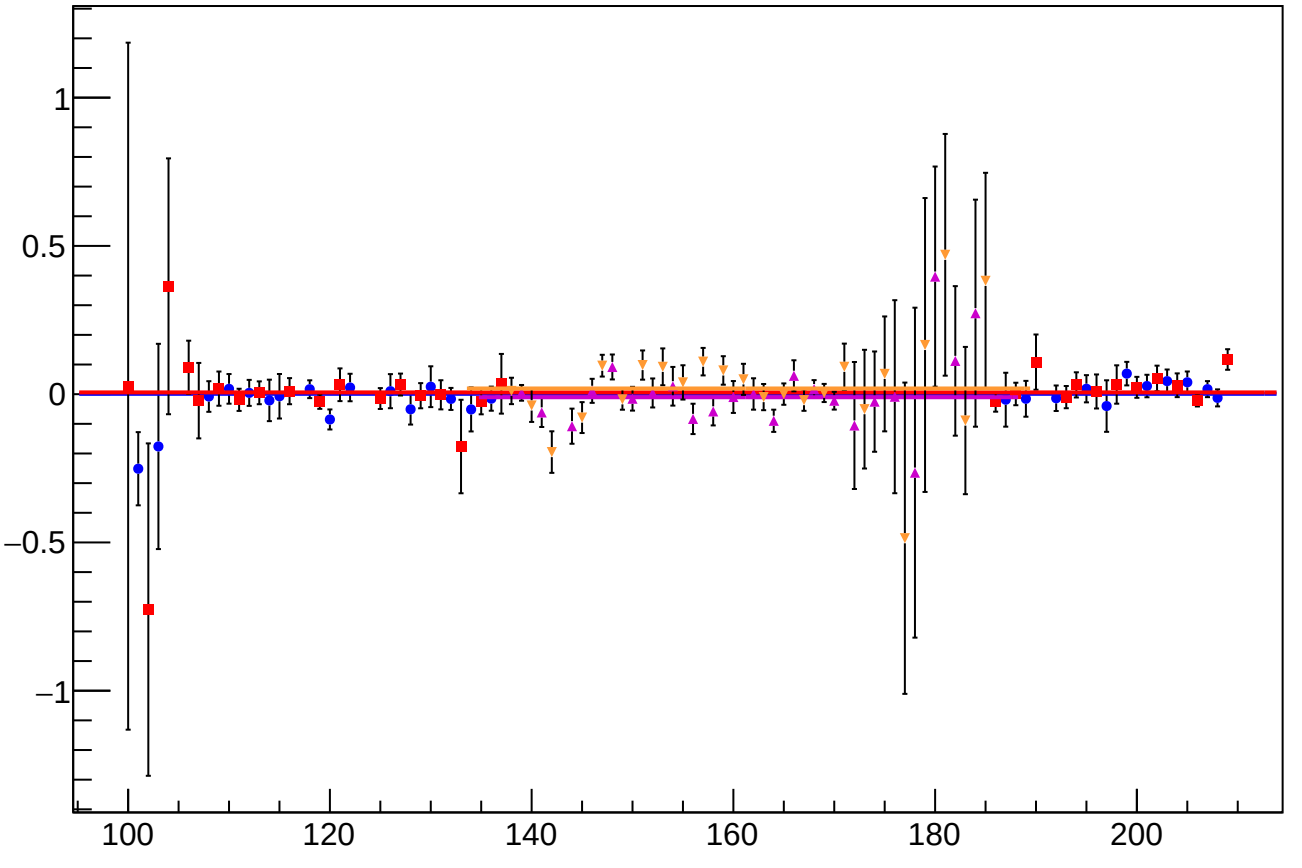
In: 1218.713+/-0.149 χ^2/NDF:1122040.3/49

Out: 1231.231+/-0.148 χ^2/NDF:1134830.5/53

All: 1225.007+/-0.105 χ^2/NDF: 2260434.2/10


asym_us_dd_atlr_dd_dd_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
100
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 27.4/26
Left Out: -0.000+/-0.000 χ²/NDF:10.5/23
Right Out: -0.000+/-0.000 χ²/NDF: 27.4/29
Left In: 0.000+/-0.000 χ²/NDF:32.5/22
Left: -0.000+/-0.000 χ²/NDF: 43.4/46
Right: -0.000+/-0.000 χ²/NDF: 56.4/56
In: 0.000+/-0.000 χ²/NDF:60.4/49
Out: -0.000+/-0.000 χ²/NDF:38.3/53
All: -0.000+/-0.000 χ²/NDF: 99.8/103


asym_us_dd_atlr_dd_dd_reg_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
Right In: 0.000+/-0.000 χ²/NDF: 3145507.3/26
Left Out: 0.000+/-0.000 χ²/NDF:2332749.6/23
Right Out: 0.000+/-0.000 χ²/NDF: 5076040.1/29
Left In: 0.000+/-0.000 χ²/NDF:2542530.1/22
Left: 0.000+/-0.000 χ²/NDF: 4876422.9/46
Right: 0.000+/-0.000 χ²/NDF: 8224624.4/56
In: 0.000+/-0.000 χ²/NDF:8598041.8/49
Out: 0.000+/-0.000 χ²/NDF:10138851.8/53
All: 0.000+/-0.000 χ²/NDF: 18740667.0/103



Right In: 0.001+/-0.009 χ^2/NDF: 20.7/26

Left Out: 0.019+/-0.011 χ^2/NDF:35.9/23

Right Out: 0.006+/-0.008 χ^2/NDF: 25.0/29

Left In: -0.010+/-0.010 χ^2/NDF:23.6/22

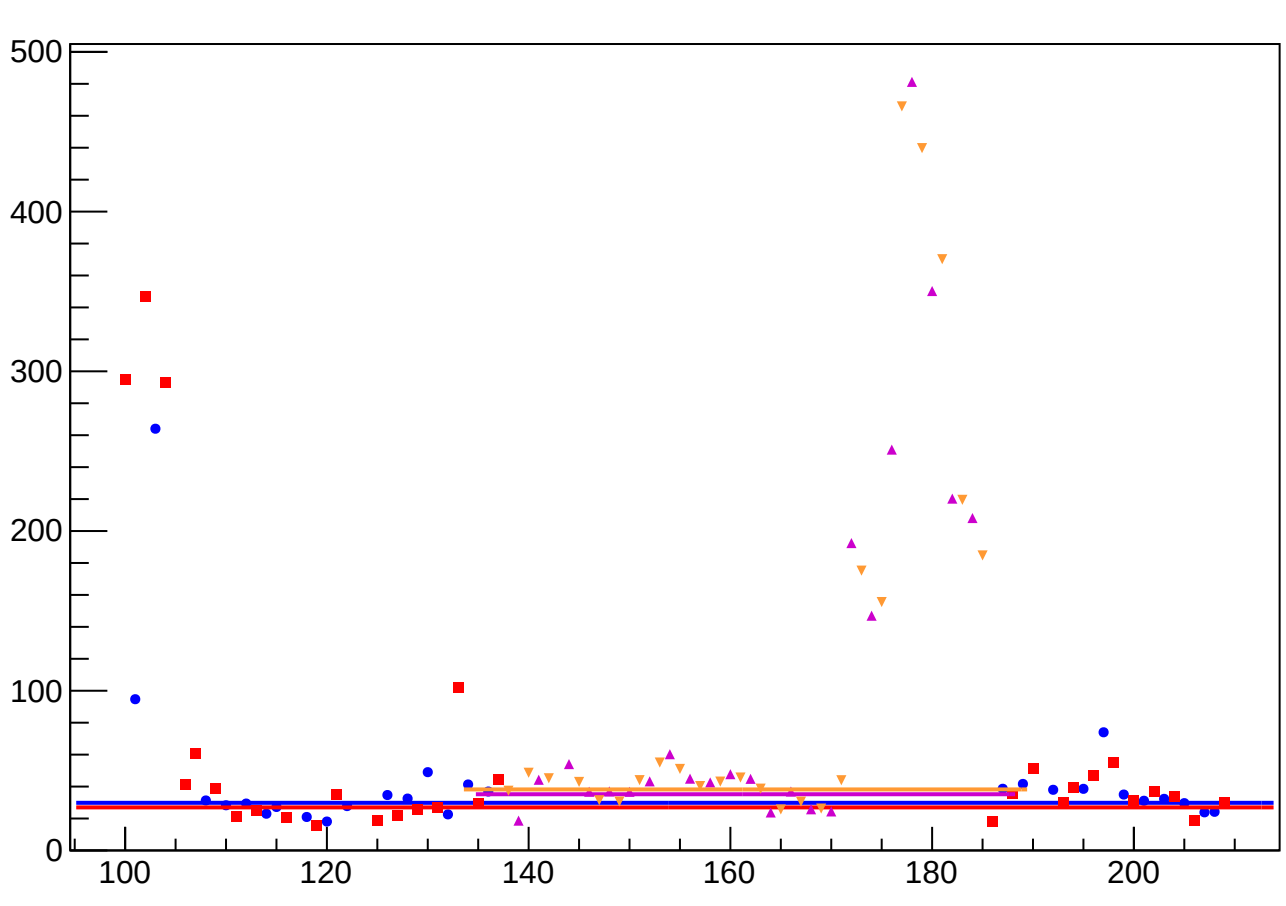
Left: 0.004+/-0.007 χ^2/NDF: 63.5/46

Right: 0.004+/-0.006 χ^2/NDF: 45.9/56

In: -0.004+/-0.007 χ^2/NDF:45.1/49

Out: 0.011+/-0.006 χ^2/NDF:61.9/53

All: 0.004+/-0.005 χ^2/NDF: 109.4/103



Right In: 29.830+/-0.006 χ^2/NDF: 3247408.3/26

Left Out: 38.211+/-0.008 χ^2/NDF:8285024.8/23

Right Out: 26.960+/-0.006 χ^2/NDF: 4715097.9/29

Left In: 35.195+/-0.007 χ^2/NDF:9390926.6/22

Left: 36.625+/-0.005 χ^2/NDF: 17757838.6/46

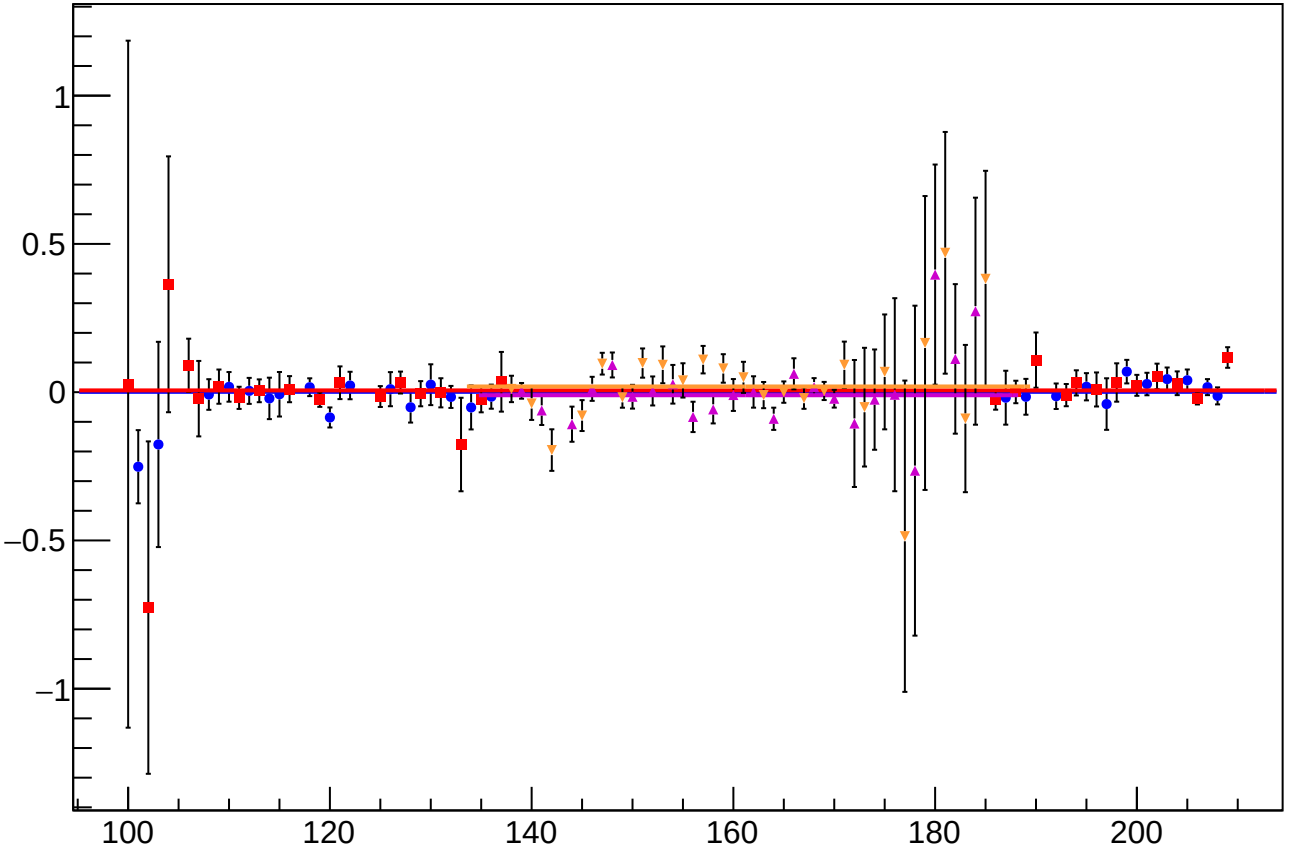
Right: 28.264+/-0.004 χ^2/NDF: 8083552.9/56

In: 32.049+/-0.005 χ^2/NDF:12958852.1/49

Out: 30.856+/-0.004 χ^2/NDF:14417168.4/53

All: 31.430+/-0.003 χ^2/NDF: 27409925.4/103

asym_us_dd_atlr_dd_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.001+/-0.009 χ^2/NDF: 20.7/26

Left Out: 0.019+/-0.011 χ^2/NDF:35.9/23

Right Out: 0.006+/-0.008 χ^2/NDF: 25.0/29

Left In: -0.010+/-0.010 χ^2/NDF:23.6/22

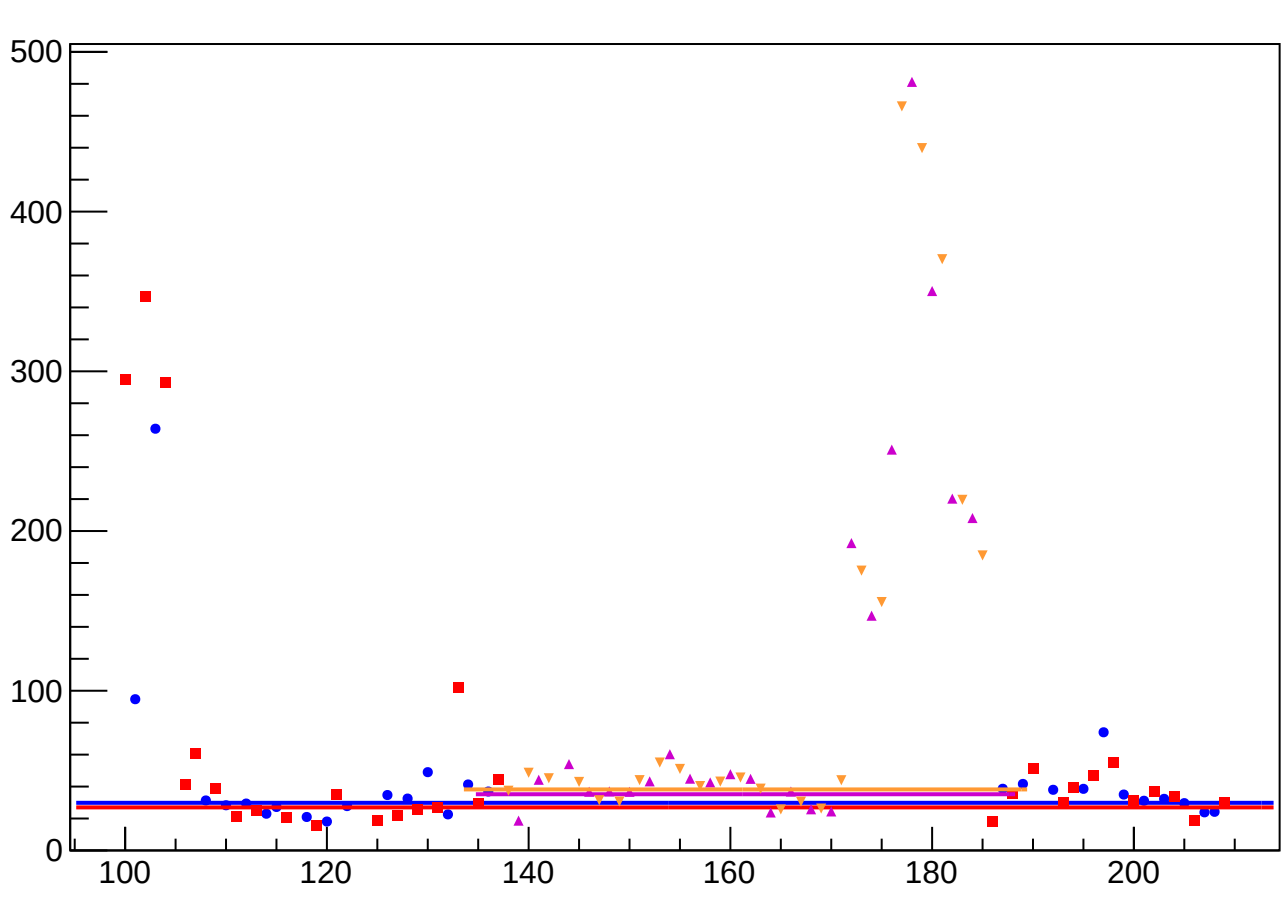
Left: 0.004+/-0.007 χ^2/NDF: 63.5/46

Right: 0.004+/-0.006 χ^2/NDF: 45.9/56

In: -0.004+/-0.007 χ^2/NDF:45.1/49

Out: 0.011+/-0.006 χ^2/NDF:61.9/53

All: 0.004+/-0.005 χ^2/NDF: 109.4/103



Right In: 29.830+/-0.006 χ^2/NDF: 3247408.3/26

Left Out: 38.211+/-0.008 χ^2/NDF:8285024.8/23

Right Out: 26.960+/-0.006 χ^2/NDF: 4715097.9/29

Left In: 35.195+/-0.007 χ^2/NDF:9390926.6/22

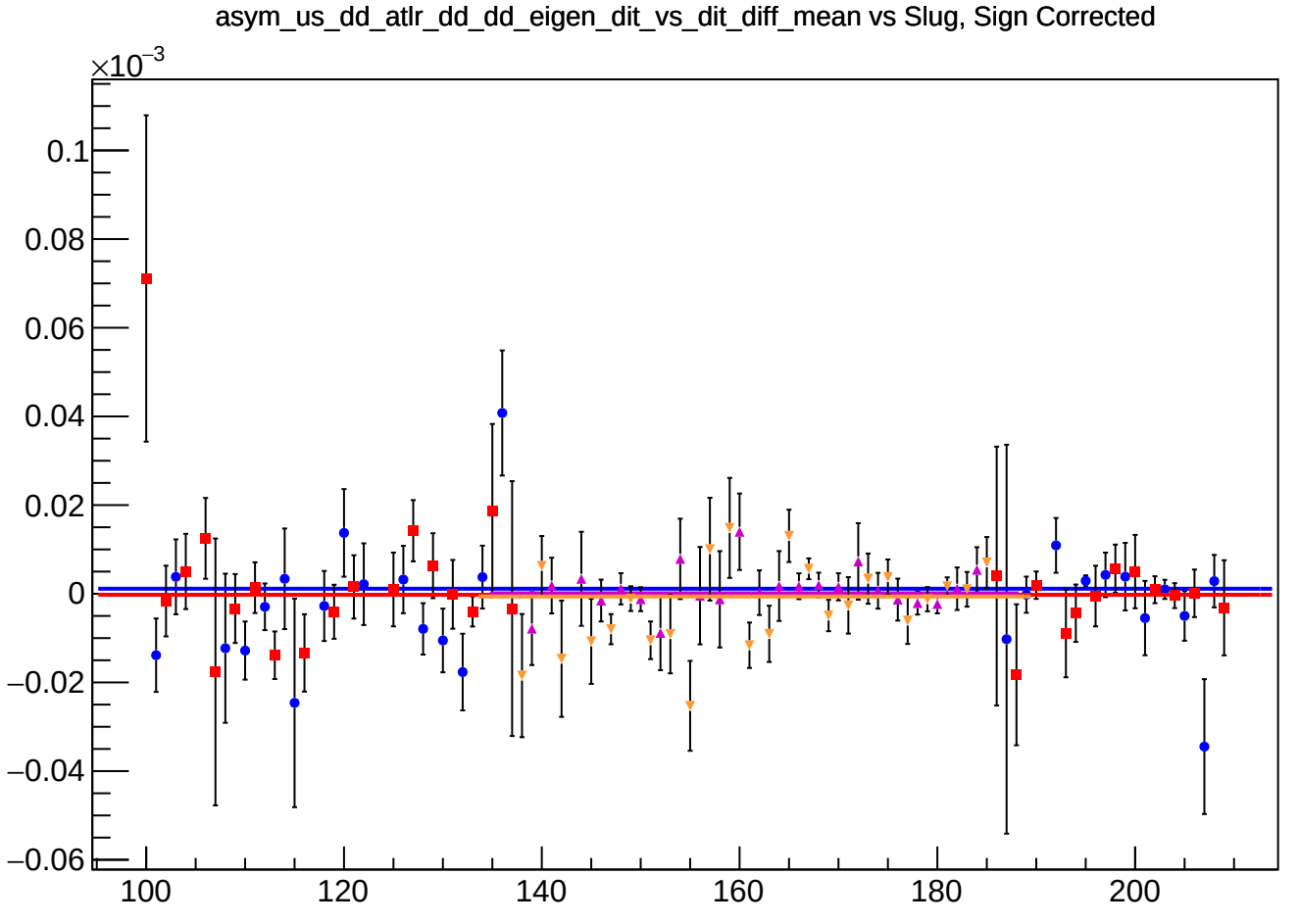
Left: 36.625+/-0.005 χ^2/NDF: 17757838.6/46

Right: 28.264+/-0.004 χ^2/NDF: 8083552.9/56

In: 32.049+/-0.005 χ^2/NDF:12958852.1/49

Out: 30.856+/-0.004 χ^2/NDF:14417168.4/53

All: 31.430+/-0.003 χ^2/NDF: 27409925.4/103



Right In: 0.000+/-0.000 χ^2/NDF: 42.9/26

Left Out: -0.000+/-0.000 χ^2/NDF:51.2/23

Right Out: -0.000+/-0.000 χ^2/NDF: 28.1/29

Left In: 0.000+/-0.000 χ^2/NDF:11.0/22

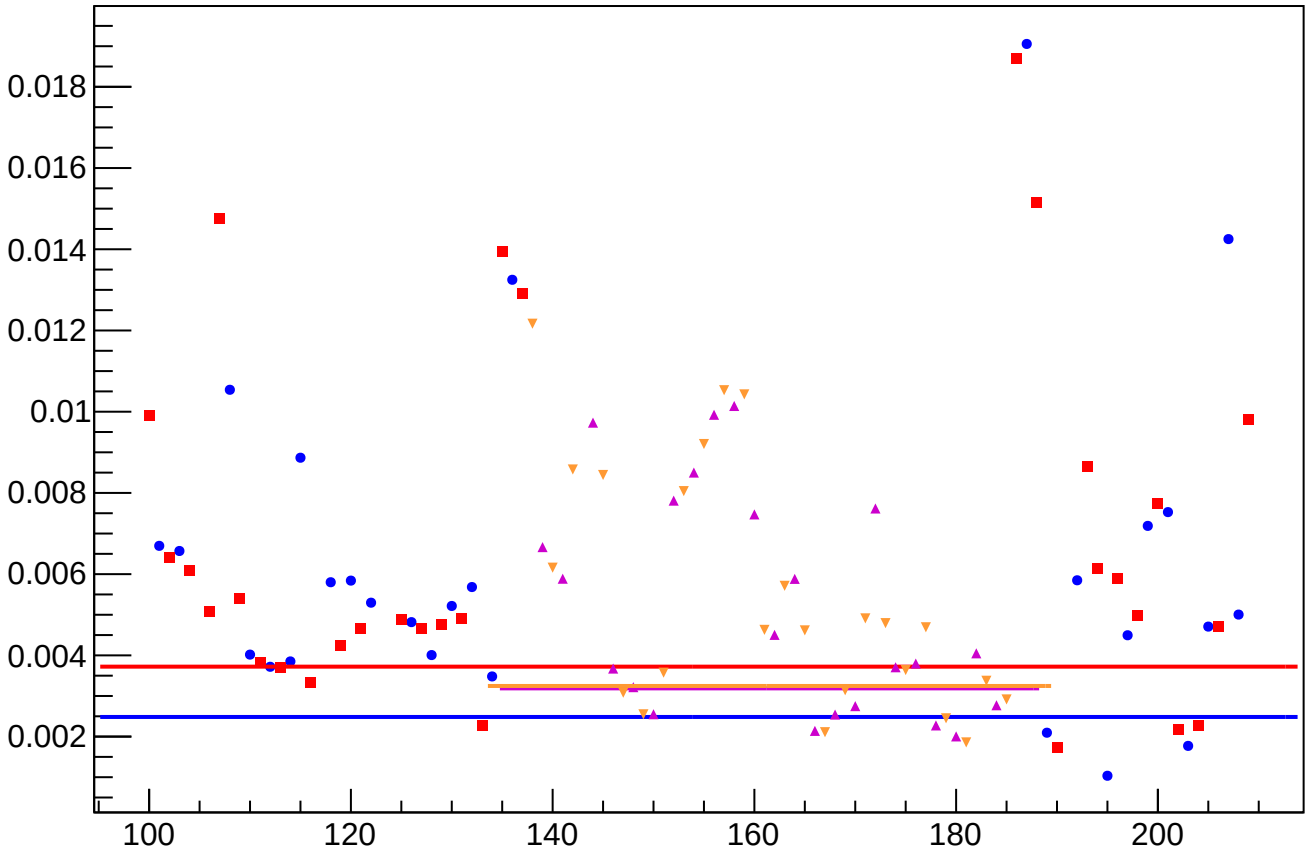
Left: -0.000+/-0.000 χ^2/NDF: 62.5/46

Right: 0.000+/-0.000 χ^2/NDF: 71.9/56

In: 0.000+/-0.000 χ^2/NDF:54.7/49

Out: -0.000+/-0.000 χ^2/NDF:79.3/53

All: 0.000+/-0.000 χ^2/NDF: 135.4/103



Right In: 0.002+/-0.000 χ^2/NDF: 12326798.6/26

Left Out: 0.003+/-0.000 χ^2/NDF:7736973.1/23

Right Out: 0.004+/-0.000 χ^2/NDF: 7888294.0/29

Left In: 0.003+/-0.000 χ^2/NDF:7301771.9/22

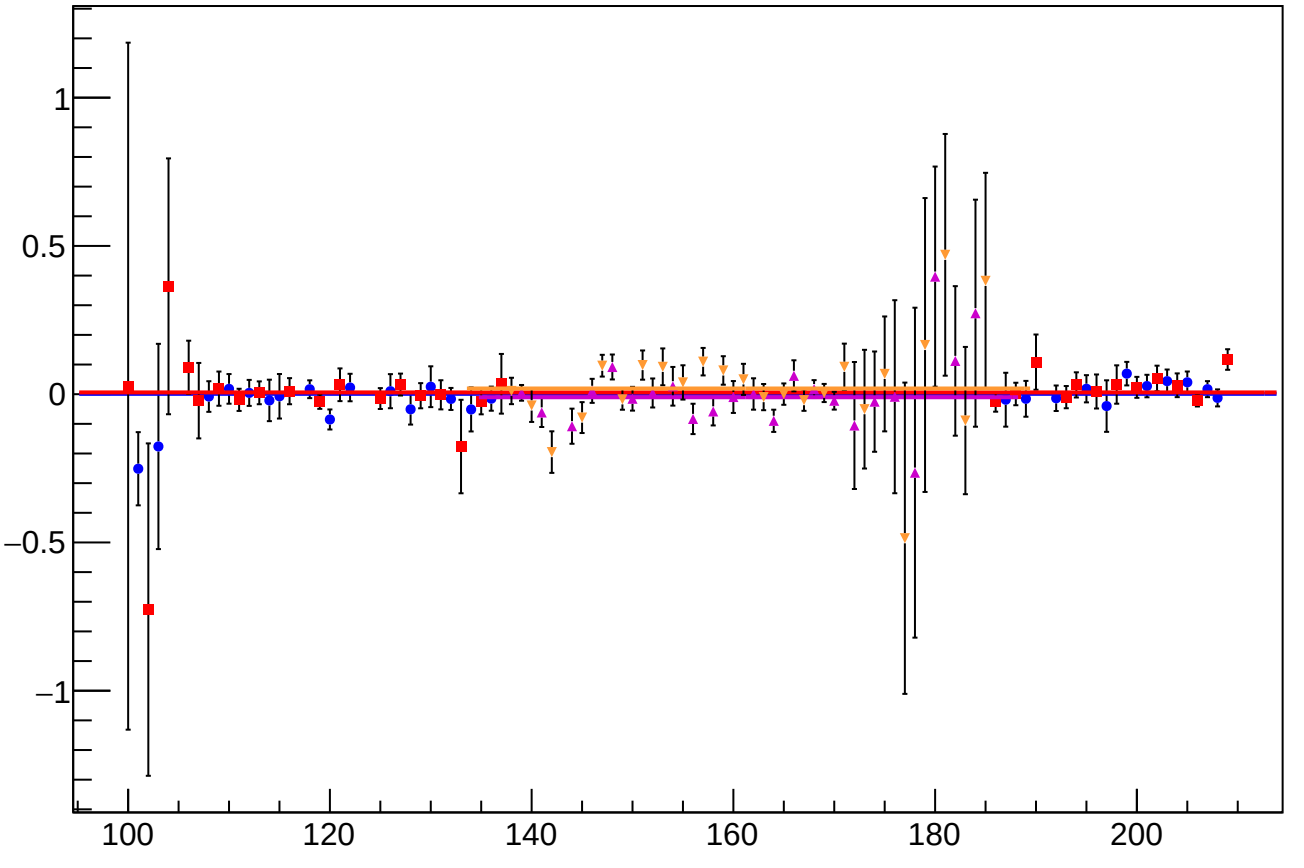
Left: 0.003+/-0.000 χ^2/NDF: 15043467.2/46

Right: 0.003+/-0.000 χ^2/NDF: 21805670.4/56

In: 0.003+/-0.000 χ^2/NDF:20298731.4/49

Out: 0.003+/-0.000 χ^2/NDF:15858531.0/53

All: 0.003+/-0.000 χ^2/NDF: 37011423.4/103



Right In: 0.001+/-0.009 χ^2/NDF: 20.7/26

Left Out: 0.019+/-0.011 χ^2/NDF:35.9/23

Right Out: 0.006+/-0.008 χ^2/NDF: 25.0/29

Left In: -0.010+/-0.010 χ^2/NDF:23.6/22

Left: 0.004+/-0.007 χ^2/NDF: 63.5/46

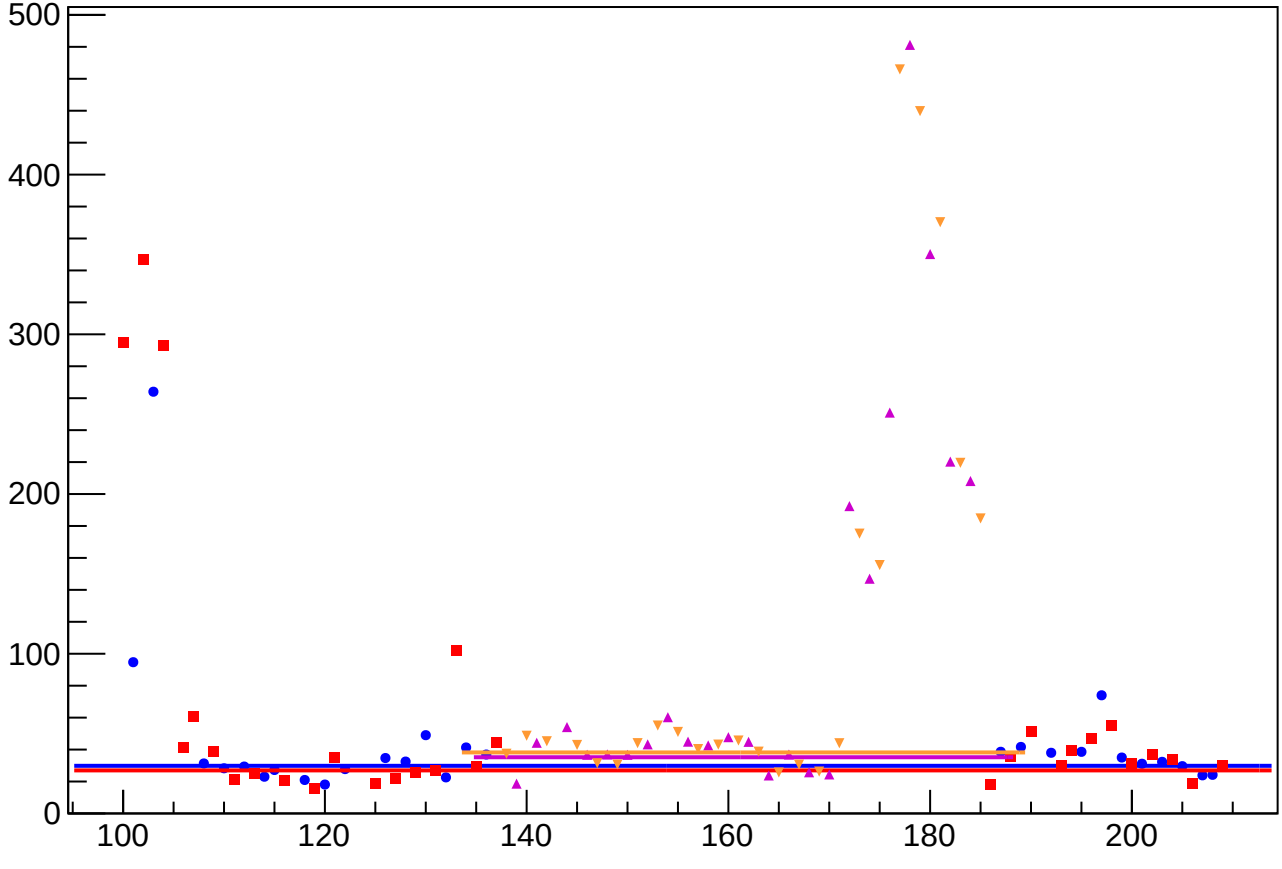
Right: 0.004+/-0.006 χ^2/NDF: 45.9/56

In: -0.004+/-0.007 χ^2/NDF:45.1/49

Out: 0.011+/-0.006 χ^2/NDF:61.9/53

All: 0.004+/-0.005 χ^2/NDF: 109.4/103

asym_us_dd_atlr_dd_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 29.829+/-0.006 χ^2/NDF: 3247682.9/26

Left Out: 38.210+/-0.008 χ^2/NDF:8285200.7/23

Right Out: 26.959+/-0.006 χ^2/NDF: 4715376.6/29

Left In: 35.195+/-0.007 χ^2/NDF:9391361.4/22

Left: 36.625+/-0.005 χ^2/NDF: 17758448.1/46

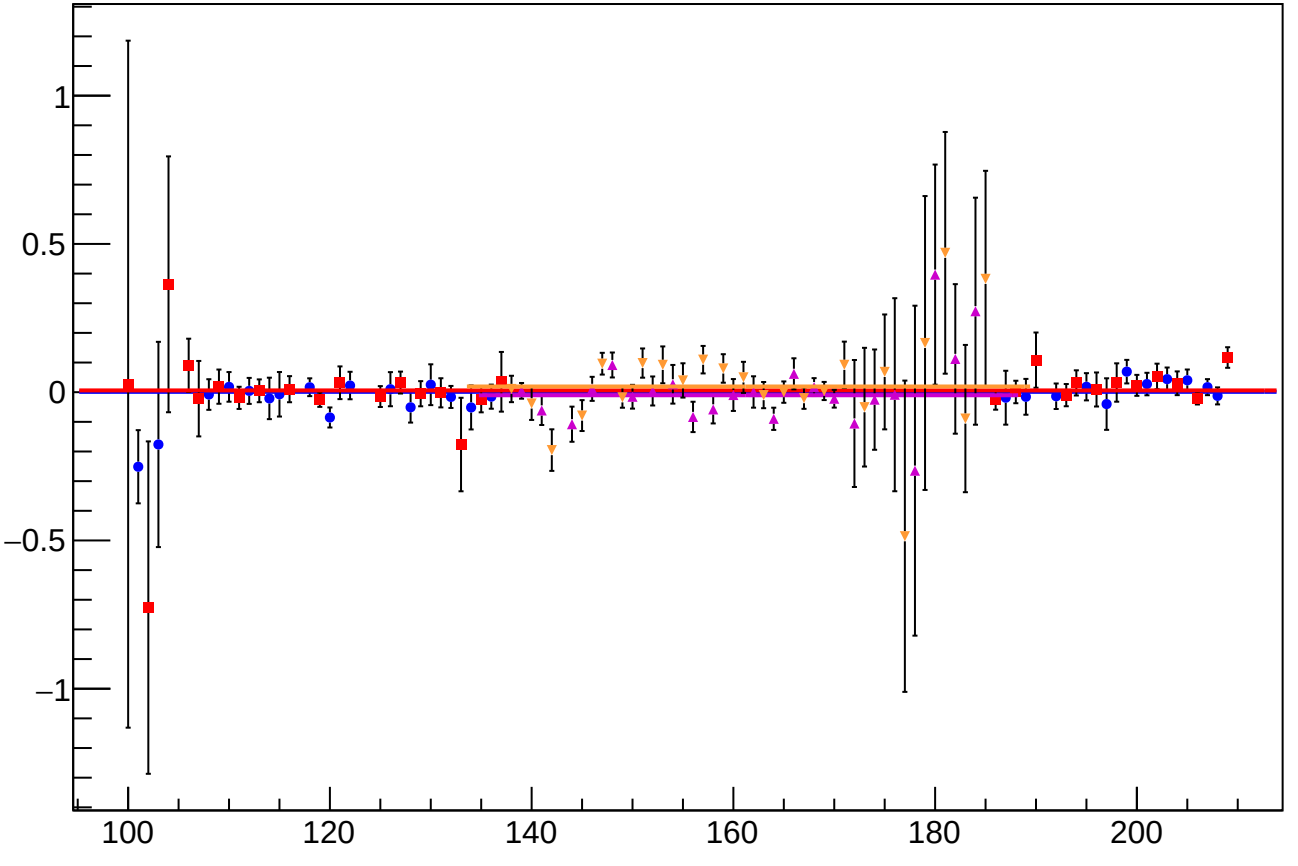
Right: 28.263+/-0.004 χ^2/NDF: 8084113.1/56

In: 32.048+/-0.005 χ^2/NDF:12959693.5/49

Out: 30.854+/-0.004 χ^2/NDF:14417909.4/53

All: 31.429+/-0.003 χ^2/NDF: 27411519.4/103

asym_us_dd_atlr_dd_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.001+/-0.009 χ^2/NDF: 20.7/26

Left Out: 0.019+/-0.011 χ^2/NDF:35.9/23

Right Out: 0.006+/-0.008 χ^2/NDF: 25.0/29

Left In: -0.010+/-0.010 χ^2/NDF:23.6/22

Left: 0.004+/-0.007 χ^2/NDF: 63.5/46

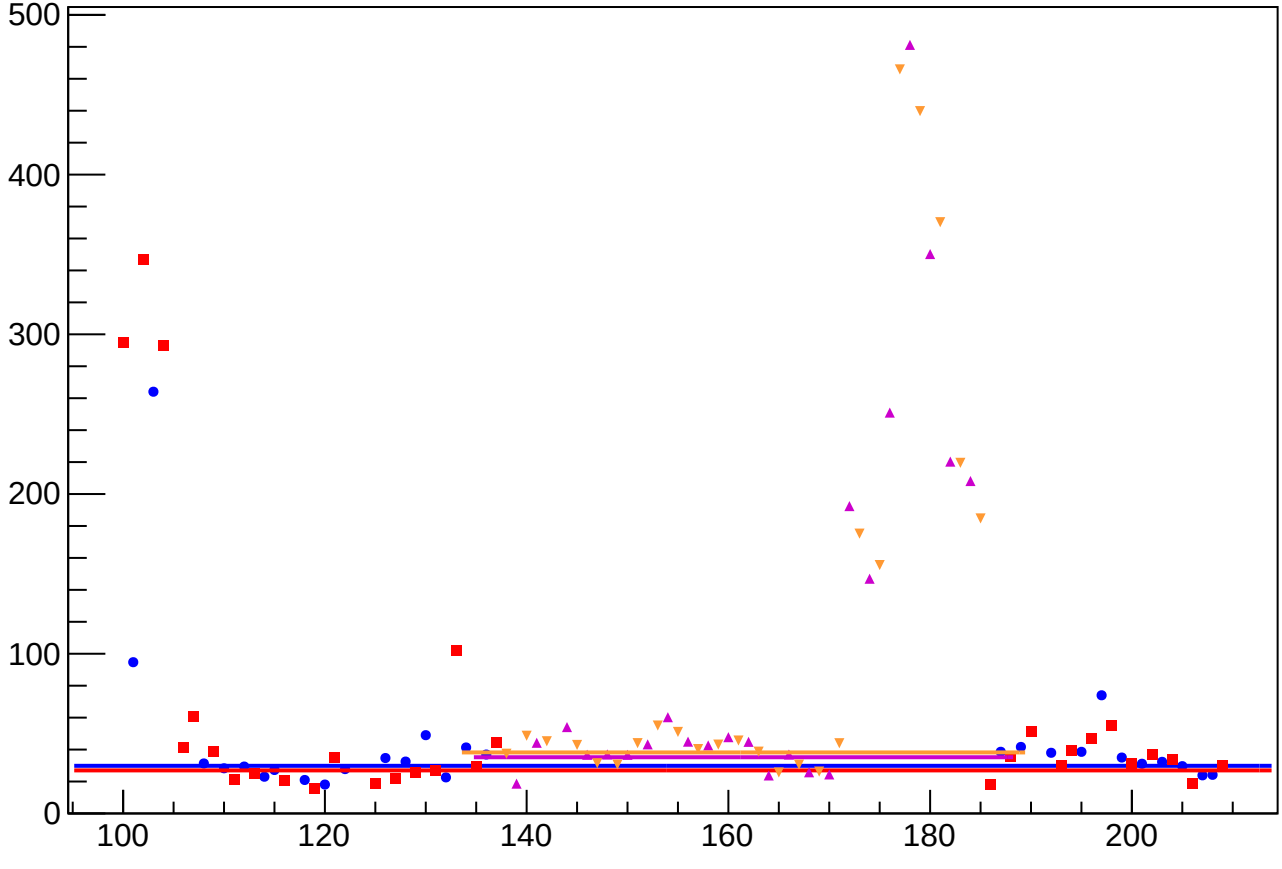
Right: 0.004+/-0.006 χ^2/NDF: 45.9/56

In: -0.004+/-0.007 χ^2/NDF:45.1/49

Out: 0.011+/-0.006 χ^2/NDF:61.9/53

All: 0.004+/-0.005 χ^2/NDF: 109.4/103

asym_us_dd_atlr_dd_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 29.829+/-0.006 χ^2/NDF: 3247682.9/26

Left Out: 38.210+/-0.008 χ^2/NDF:8285200.7/23

Right Out: 26.959+/-0.006 χ^2/NDF: 4715376.6/29

Left In: 35.195+/-0.007 χ^2/NDF:9391361.4/22

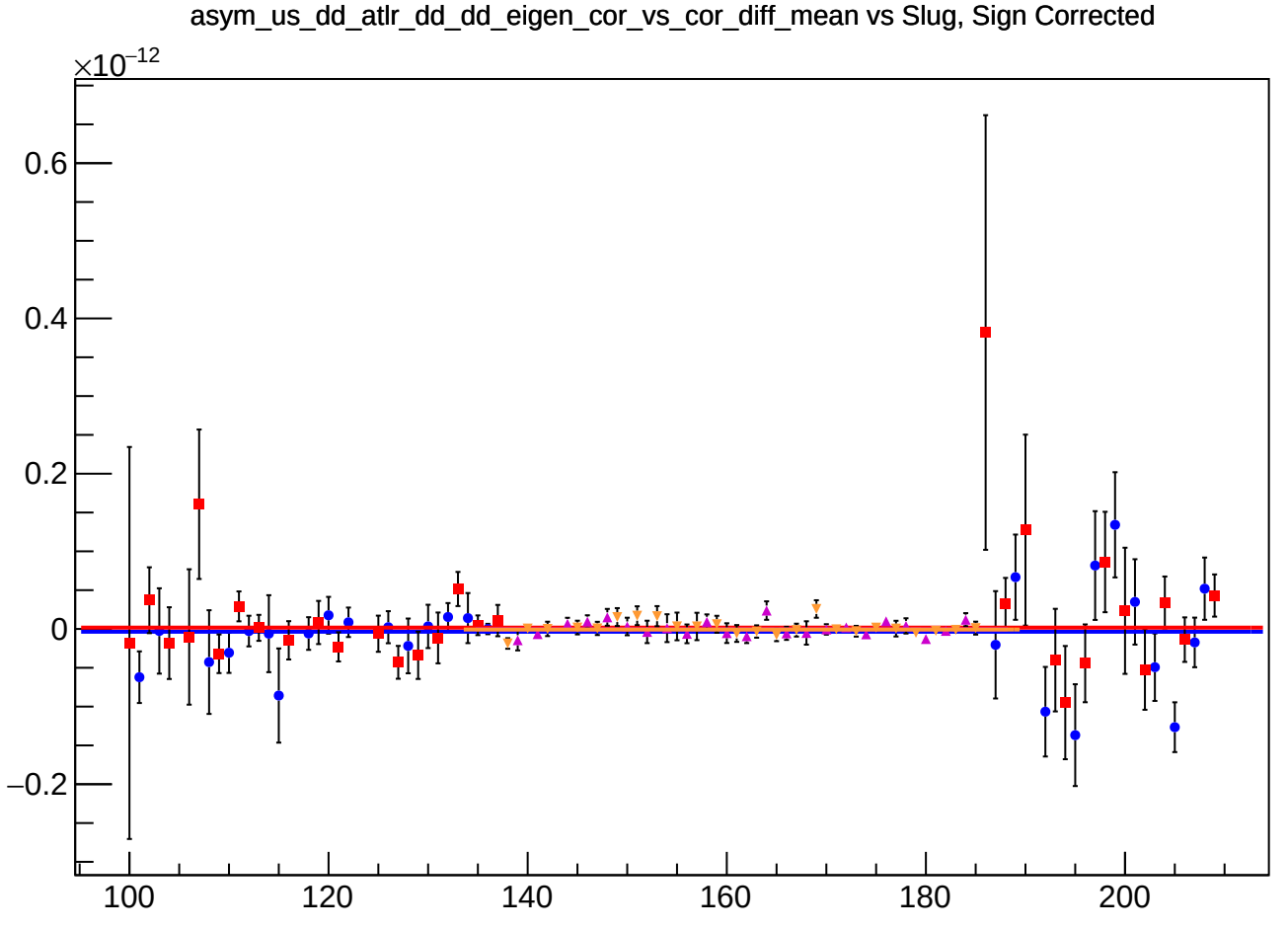
Left: 36.625+/-0.005 χ^2/NDF: 17758448.1/46

Right: 28.263+/-0.004 χ^2/NDF: 8084113.1/56

In: 32.048+/-0.005 χ^2/NDF:12959693.5/49

Out: 30.854+/-0.004 χ^2/NDF:14417909.4/53

All: 31.429+/-0.003 χ^2/NDF: 27411519.4/103



Right In: -0.000+/-0.000 χ^2/NDF: 42.7/26

Left Out: -0.000+/-0.000 χ^2/NDF:21.1/23

Right Out: 0.000+/-0.000 χ^2/NDF: 34.4/29

Left In: -0.000+/-0.000 χ^2/NDF:26.2/22

Left: -0.000+/-0.000 χ^2/NDF: 47.4/46

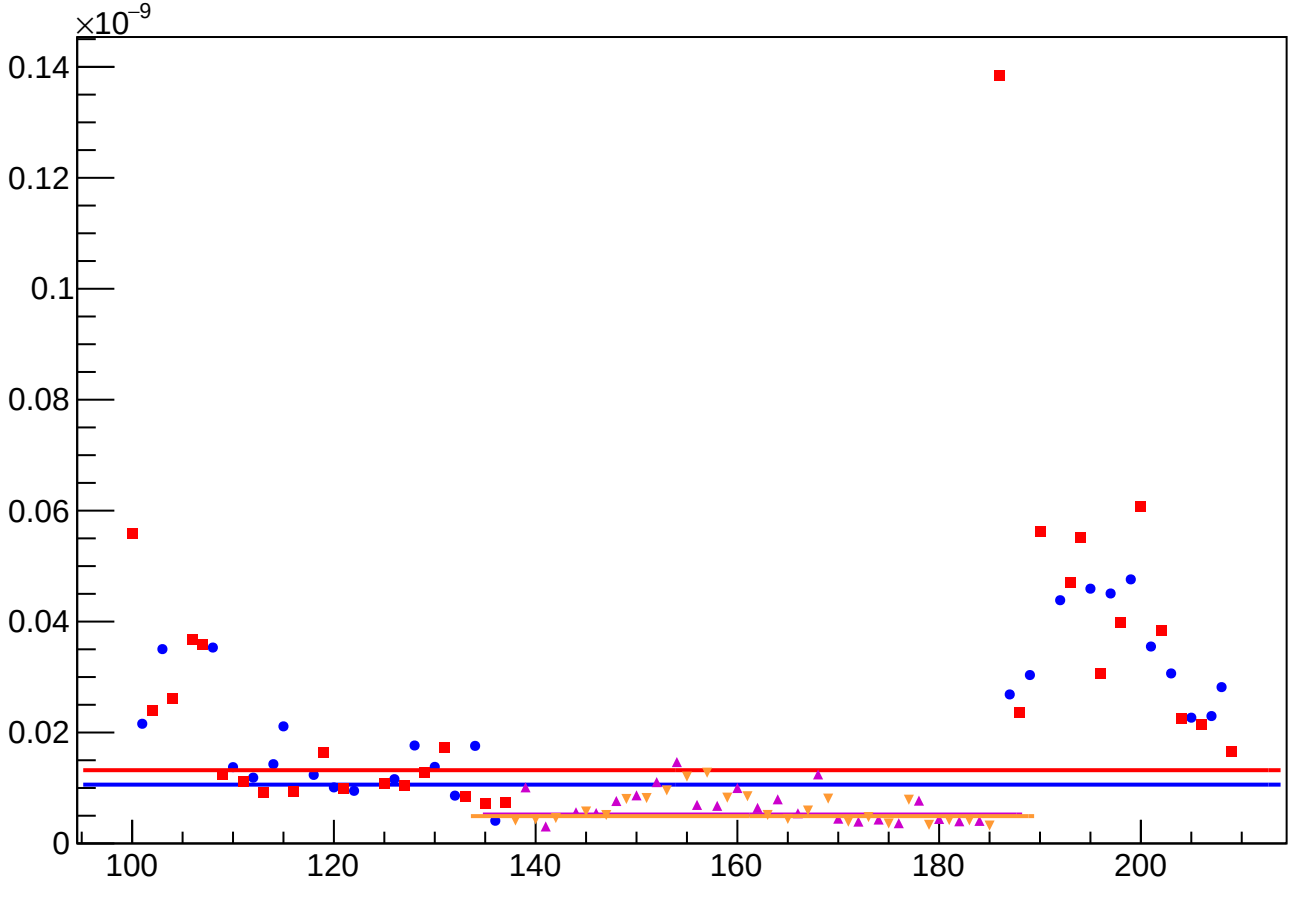
Right: -0.000+/-0.000 χ^2/NDF: 77.7/56

In: -0.000+/-0.000 χ^2/NDF:69.4/49

Out: -0.000+/-0.000 χ^2/NDF:55.7/53

All: -0.000+/-0.000 χ^2/NDF: 125.1/103

asym_us_dd_atlr_dd_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 7636862.7/26

Left Out: 0.000+/-0.000 χ^2/NDF:2632036.7/23

Right Out: 0.000+/-0.000 χ^2/NDF: 5775921.0/29

Left In: 0.000+/-0.000 χ^2/NDF:3449719.7/22

Left: 0.000+/-0.000 χ^2/NDF: 6113497.8/46

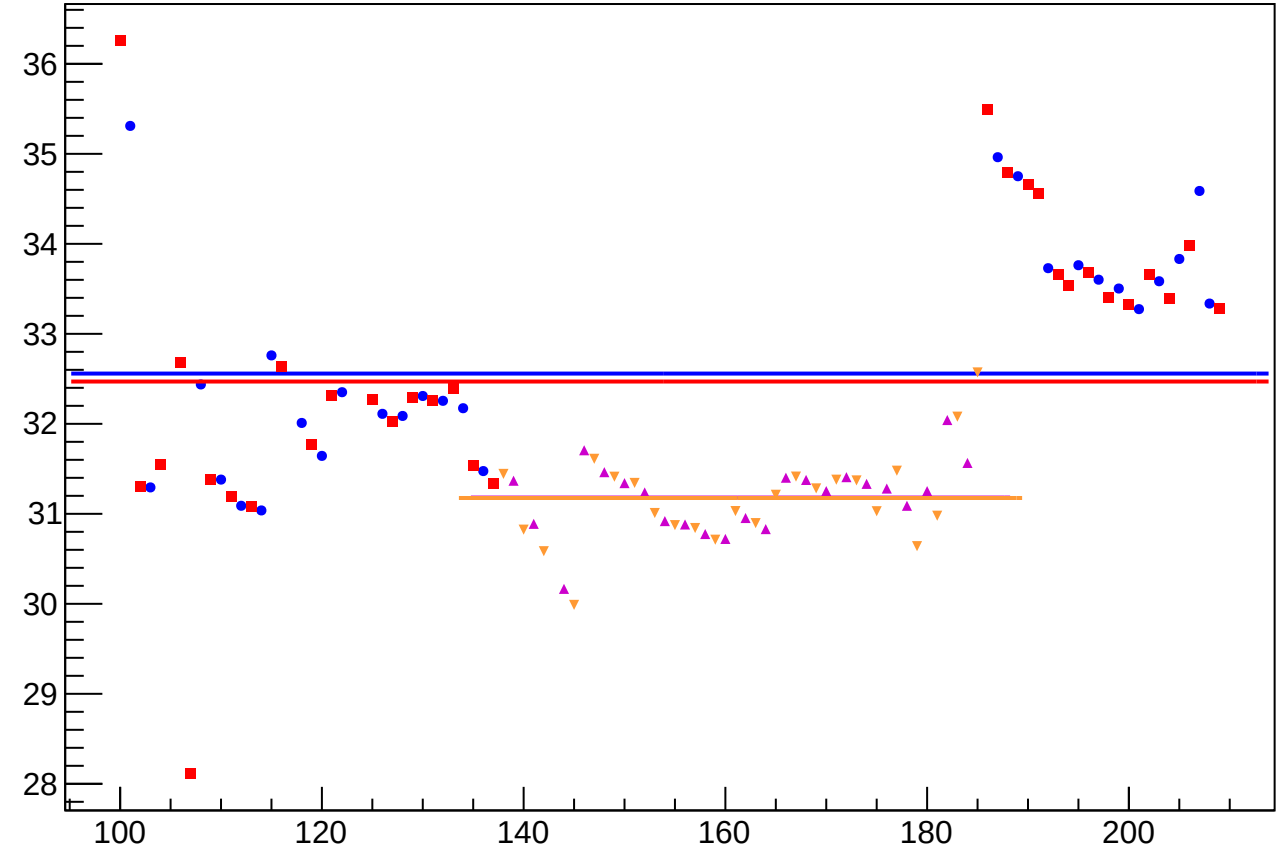
Right: 0.000+/-0.000 χ^2/NDF: 13701342.1/56

In: 0.000+/-0.000 χ^2/NDF:13585660.0/49

Out: 0.000+/-0.000 χ^2/NDF:13140948.4/53

All: 0.000+/-0.000 χ^2/NDF: 26745094.7/103

yield_usl_mean vs Slug, Sign Corrected



Right In: 32.559+/-0.000 χ^2/NDF: 2237496636.6/26

Left Out: 31.176+/-0.000 χ^2/NDF:529824418.6/23

Right Out: 32.470+/-0.000 χ^2/NDF: 2072246202.3/30

Left In: 31.181+/-0.000 χ^2/NDF:376263410.1/22

Left: 31.178+/-0.000 χ^2/NDF: 906123108.5/46

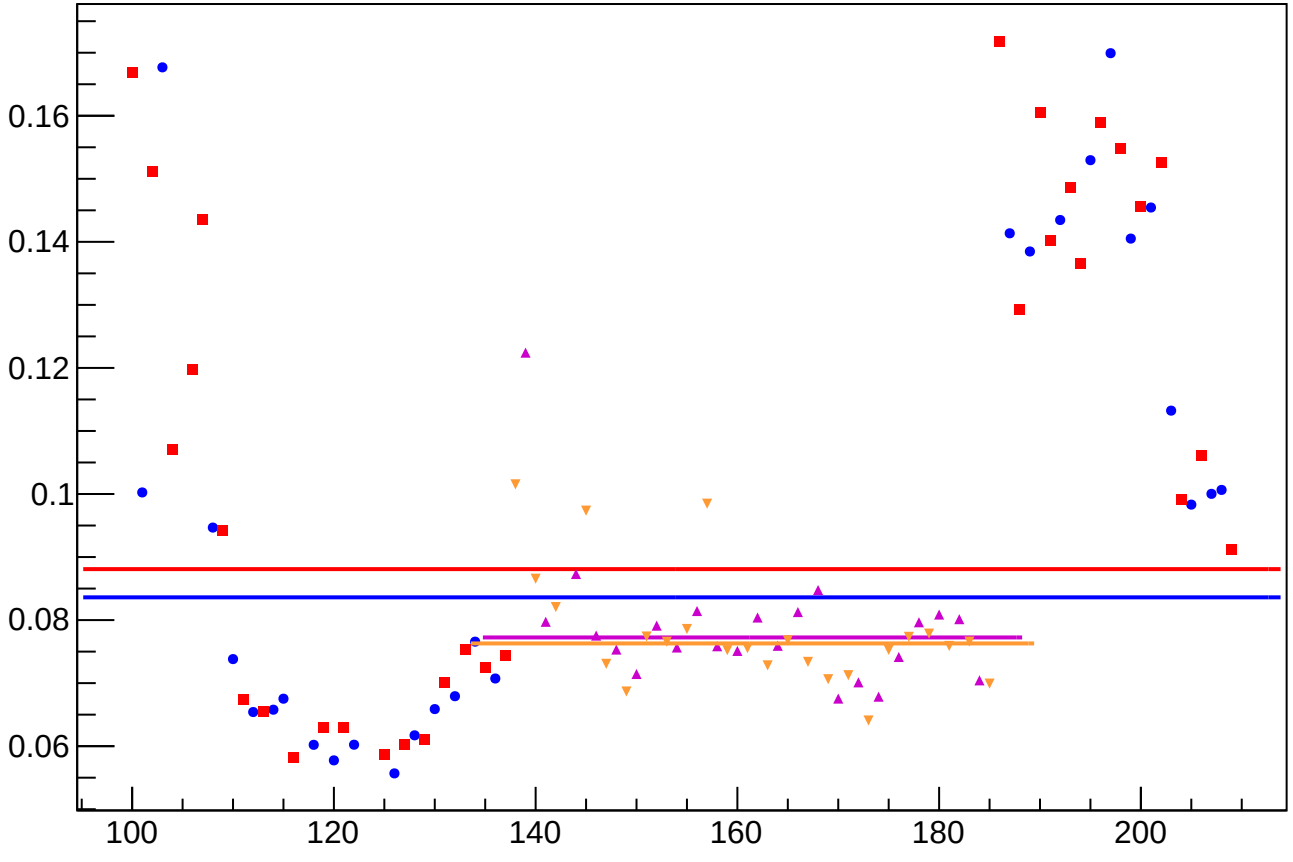
Right: 32.515+/-0.000 χ^2/NDF: 4316993849.5/57

In: 31.737+/-0.000 χ^2/NDF:4738483609.4/49

Out: 31.678+/-0.000 χ^2/NDF:4473521609.7/54

All: 31.708+/-0.000 χ^2/NDF: 9220211515.6/1

yield_usl_rms vs Slug, Sign Corrected



Right In: 0.084+/-0.000 χ^2/NDF: 3444257.4/26

Left Out: 0.076+/-0.000 χ^2/NDF:356697.3/23

Right Out: 0.088+/-0.000 χ^2/NDF: 3941227.0/30

Left In: 0.077+/-0.000 χ^2/NDF:365206.5/22

Left: 0.077+/-0.000 χ^2/NDF: 724458.6/46

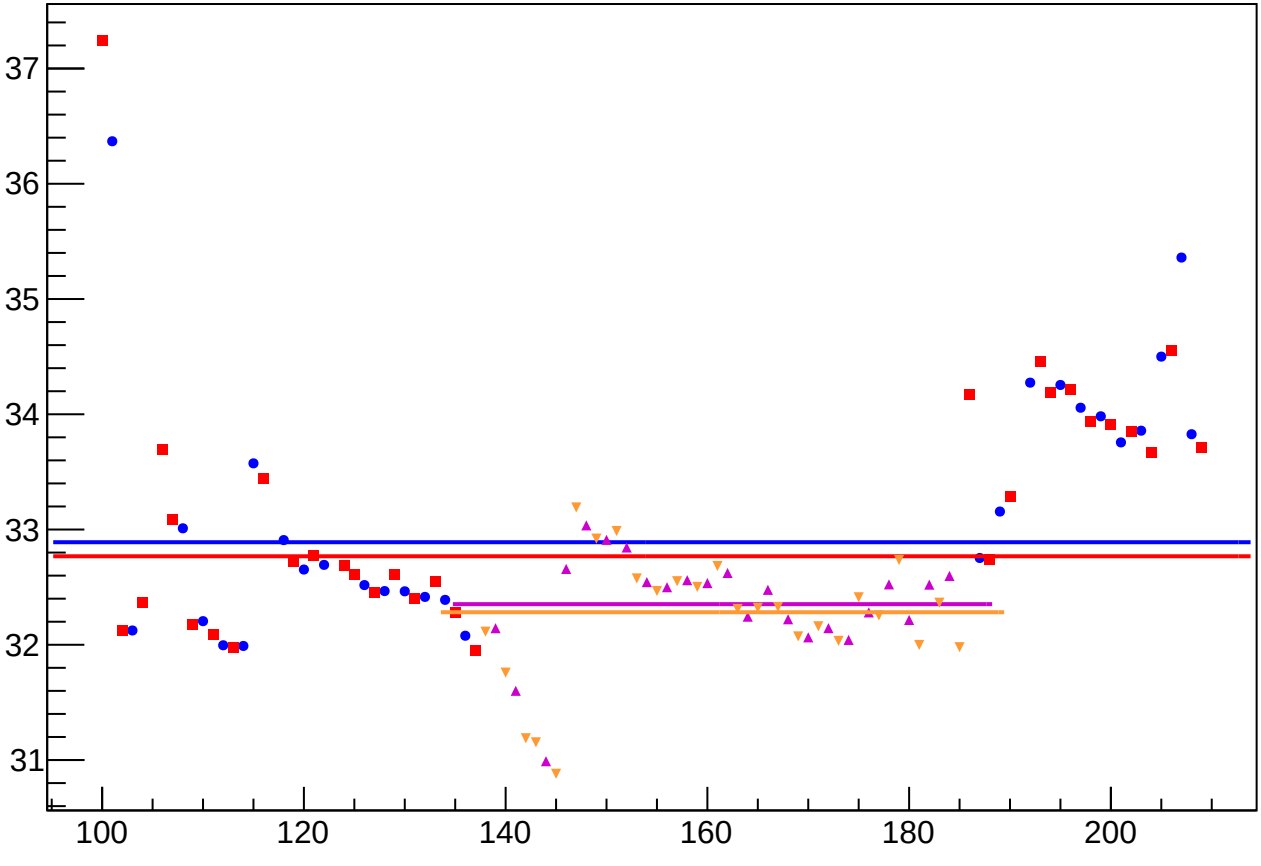
Right: 0.086+/-0.000 χ^2/NDF: 7422608.5/57

In: 0.080+/-0.000 χ^2/NDF:3900088.9/49

Out: 0.081+/-0.000 χ^2/NDF:4608593.9/54

All: 0.080+/-0.000 χ^2/NDF: 8513889.1/104

yield_usr_mean vs Slug, Sign Corrected



Right In: 32.890+/-0.000 χ^2/NDF: 1141028933.3/26

Left Out: 32.282+/-0.000 χ^2/NDF:838959313.2/24

Right Out: 32.768+/-0.000 χ^2/NDF: 550205349.5/30

Left In: 32.353+/-0.000 χ^2/NDF:589893462.0/22

Left: 32.317+/-0.000 χ^2/NDF: 1436074258.4/47

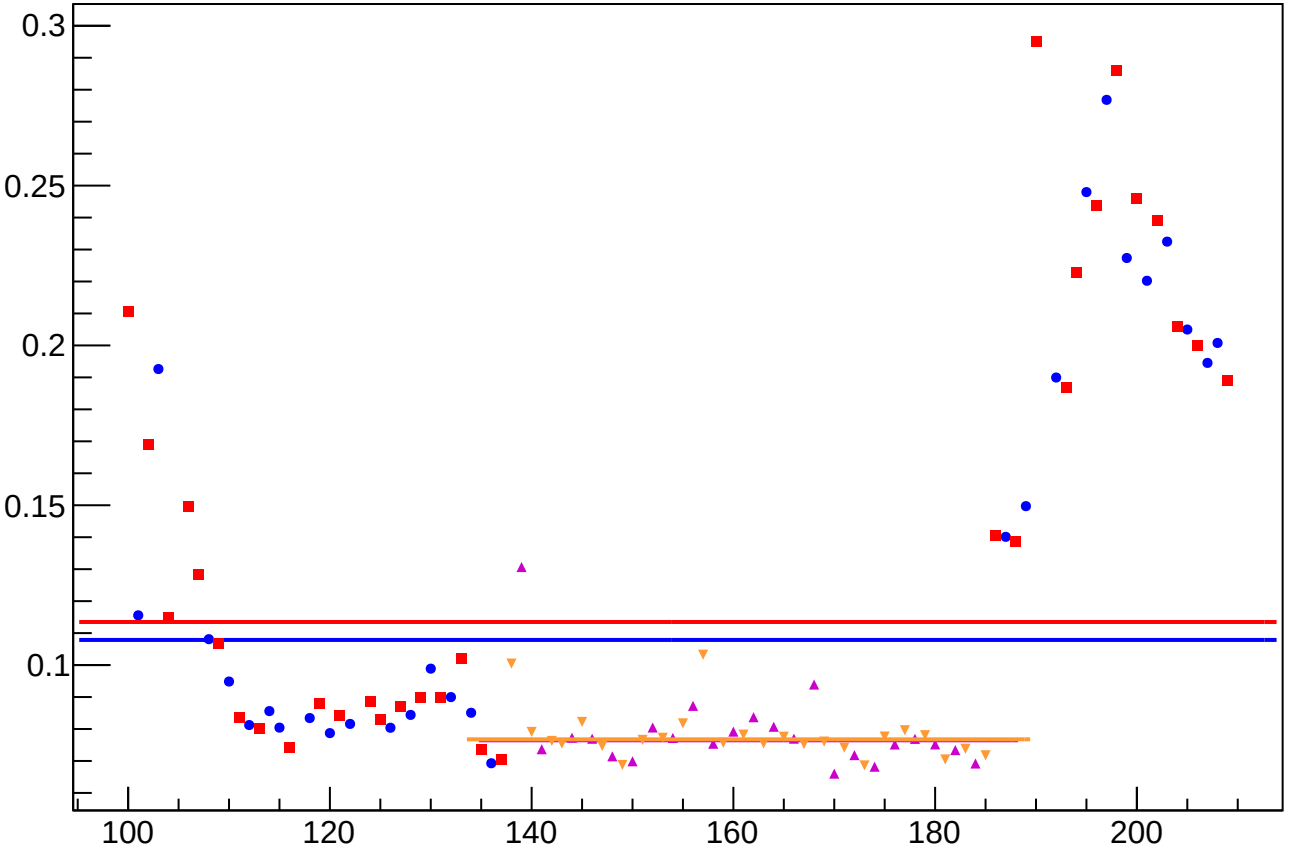
Right: 32.829+/-0.000 χ^2/NDF: 1698859985.5/57

In: 32.494+/-0.000 χ^2/NDF:1950413509.6/49

Out: 32.406+/-0.000 χ^2/NDF:1568547958.1/55

All: 32.449+/-0.000 χ^2/NDF: 3534628875.5/1

yield_usr_rms vs Slug, Sign Corrected



Right In: 0.108+/-0.000 χ^2/NDF: 5350339.0/26

Left Out: 0.077+/-0.000 χ^2/NDF:250795.7/24

Right Out: 0.113+/-0.000 χ^2/NDF: 5426145.8/30

Left In: 0.076+/-0.000 χ^2/NDF:482593.3/22

Left: 0.077+/-0.000 χ^2/NDF: 733655.0/47

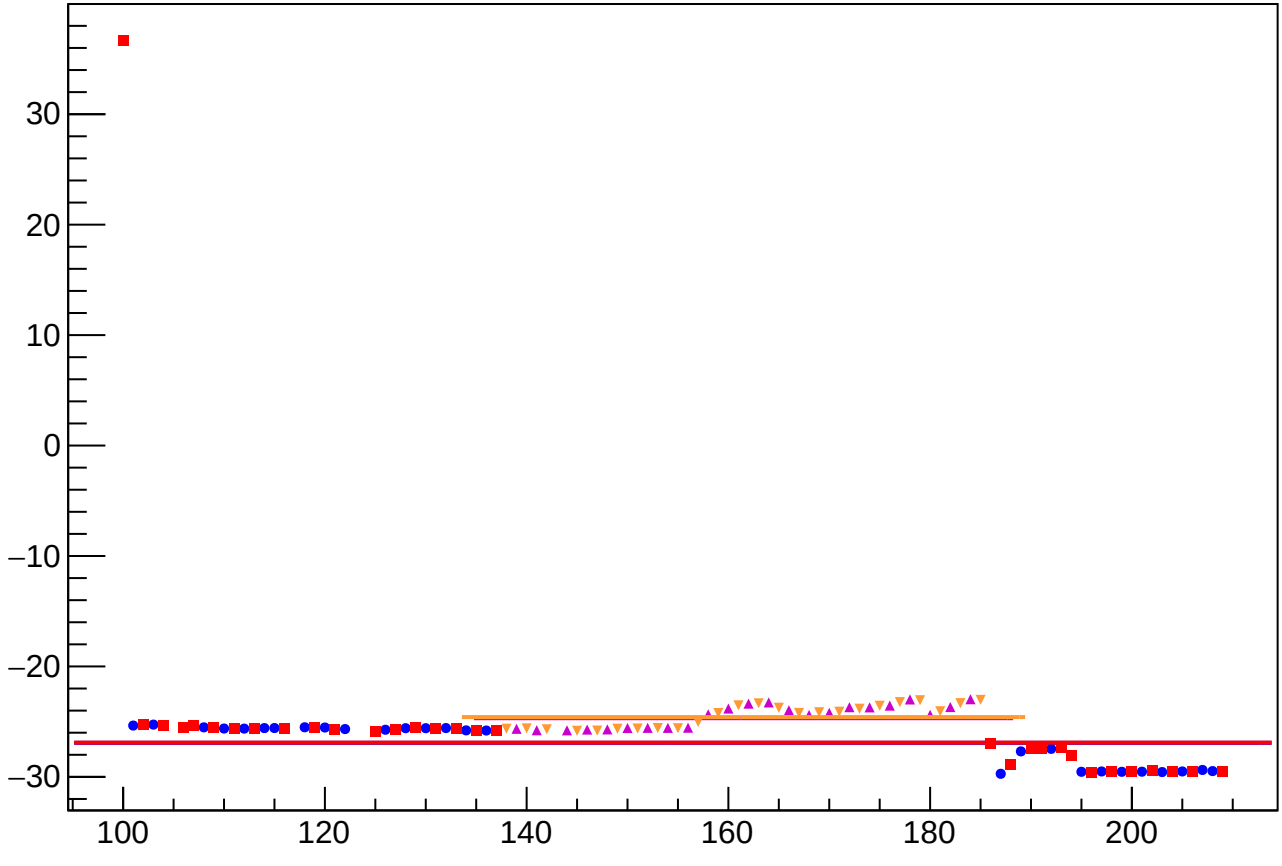
Right: 0.111+/-0.000 χ^2/NDF: 10808868.9/57

In: 0.085+/-0.000 χ^2/NDF:7331775.6/49

Out: 0.086+/-0.000 χ^2/NDF:7728144.6/55

All: 0.085+/-0.000 χ^2/NDF: 15066821.5/105

yield_dsl_mean vs Slug, Sign Corrected



Right In: -26.916+/-0.000 χ^2/NDF: 21013094984.3/26

Left Out: -24.587+/-0.000 χ^2/NDF:9182387434.6/23

Right Out: -26.899+/-0.000 χ^2/NDF: 29393108053.4/30

Left In: -24.689+/-0.000 χ^2/NDF:8820957974.3/22

Left: -24.638+/-0.000 χ^2/NDF: 18048773381.1/46

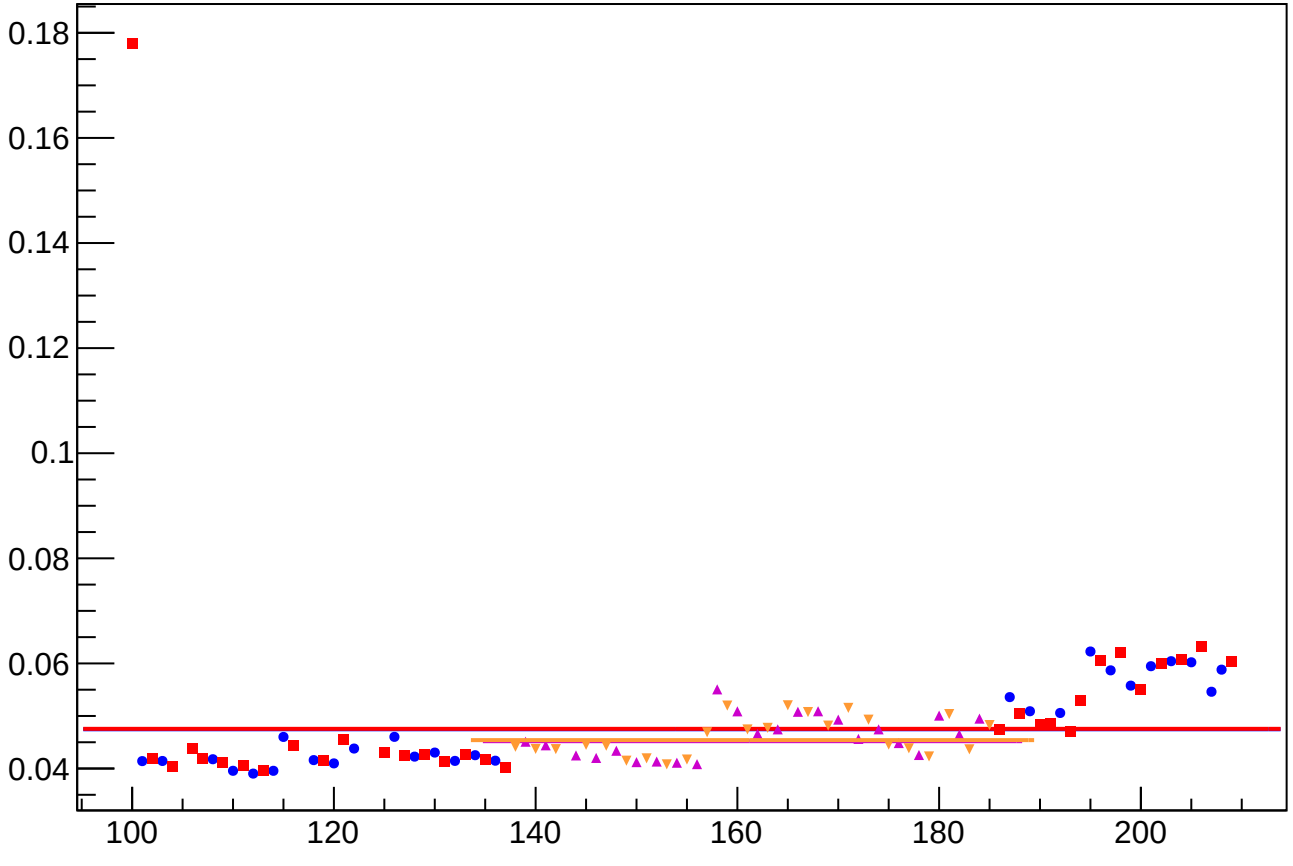
Right: -26.907+/-0.000 χ^2/NDF: 50407252397.1/57

In: -25.654+/-0.000 χ^2/NDF:48571694498.1/49

Out: -25.631+/-0.000 χ^2/NDF:59646641715.8/54

All: -25.643+/-0.000 χ^2/NDF: 10822244810

yield_dsl_rms vs Slug, Sign Corrected



Right In: 0.047+/-0.000 χ^2/NDF: 800670.7/26

Left Out: 0.045+/-0.000 χ^2/NDF:205535.7/23

Right Out: 0.048+/-0.000 χ^2/NDF: 918781.9/30

Left In: 0.045+/-0.000 χ^2/NDF:244675.5/22

Left: 0.045+/-0.000 χ^2/NDF: 450560.0/46

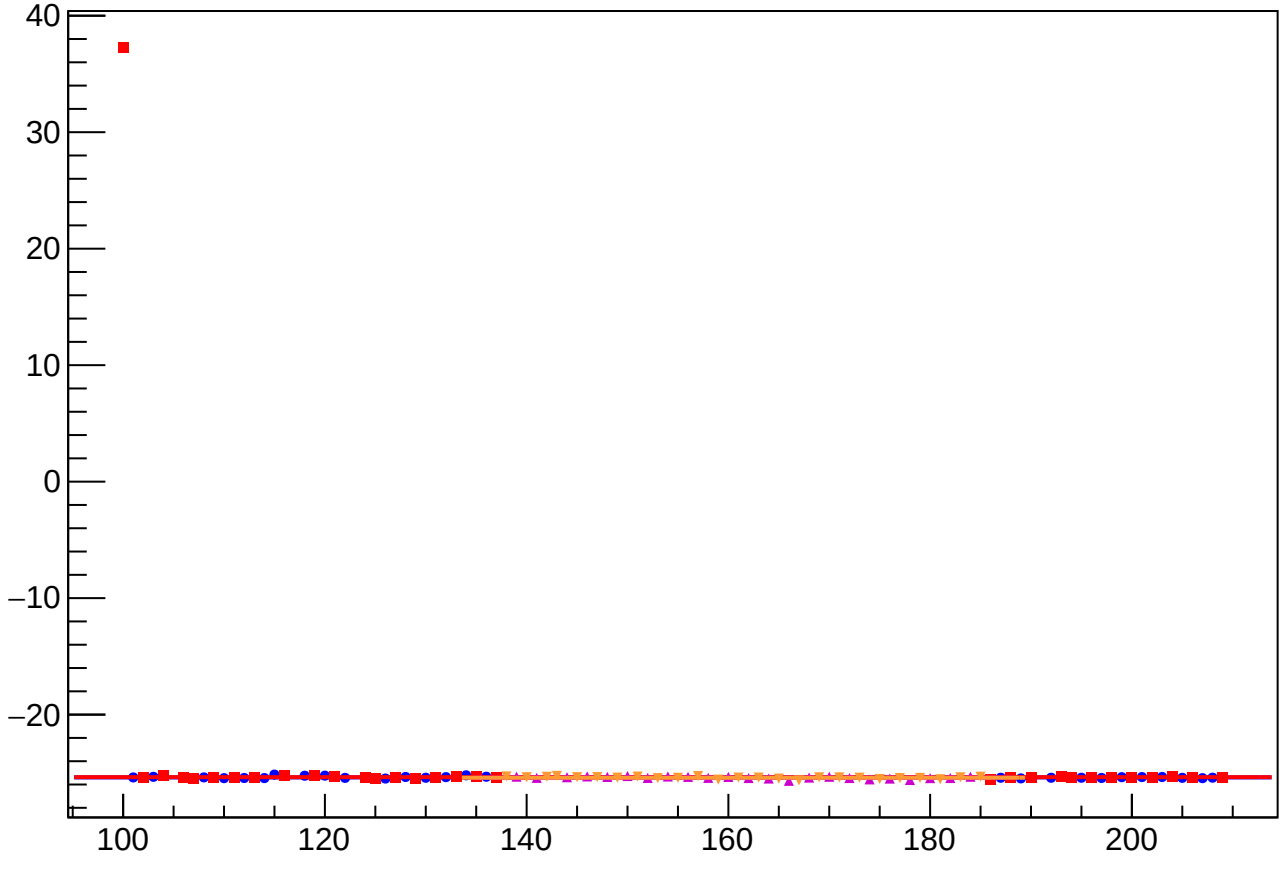
Right: 0.048+/-0.000 χ^2/NDF: 1719503.2/57

In: 0.046+/-0.000 χ^2/NDF:1084051.0/49

Out: 0.046+/-0.000 χ^2/NDF:1160731.6/54

All: 0.046+/-0.000 χ^2/NDF: 2245346.6/104

yield_dsr_mean vs Slug, Sign Corrected



Right In: -25.391+/-0.000 χ^2/NDF: 21249104.5/26

Left Out: -25.417+/-0.000 χ^2/NDF:52213098.9/24

Right Out: -25.370+/-0.000 χ^2/NDF: 6332380798.8/30

Left In: -25.414+/-0.000 χ^2/NDF:55851916.1/22

Left: -25.416+/-0.000 χ^2/NDF: 108085070.9/47

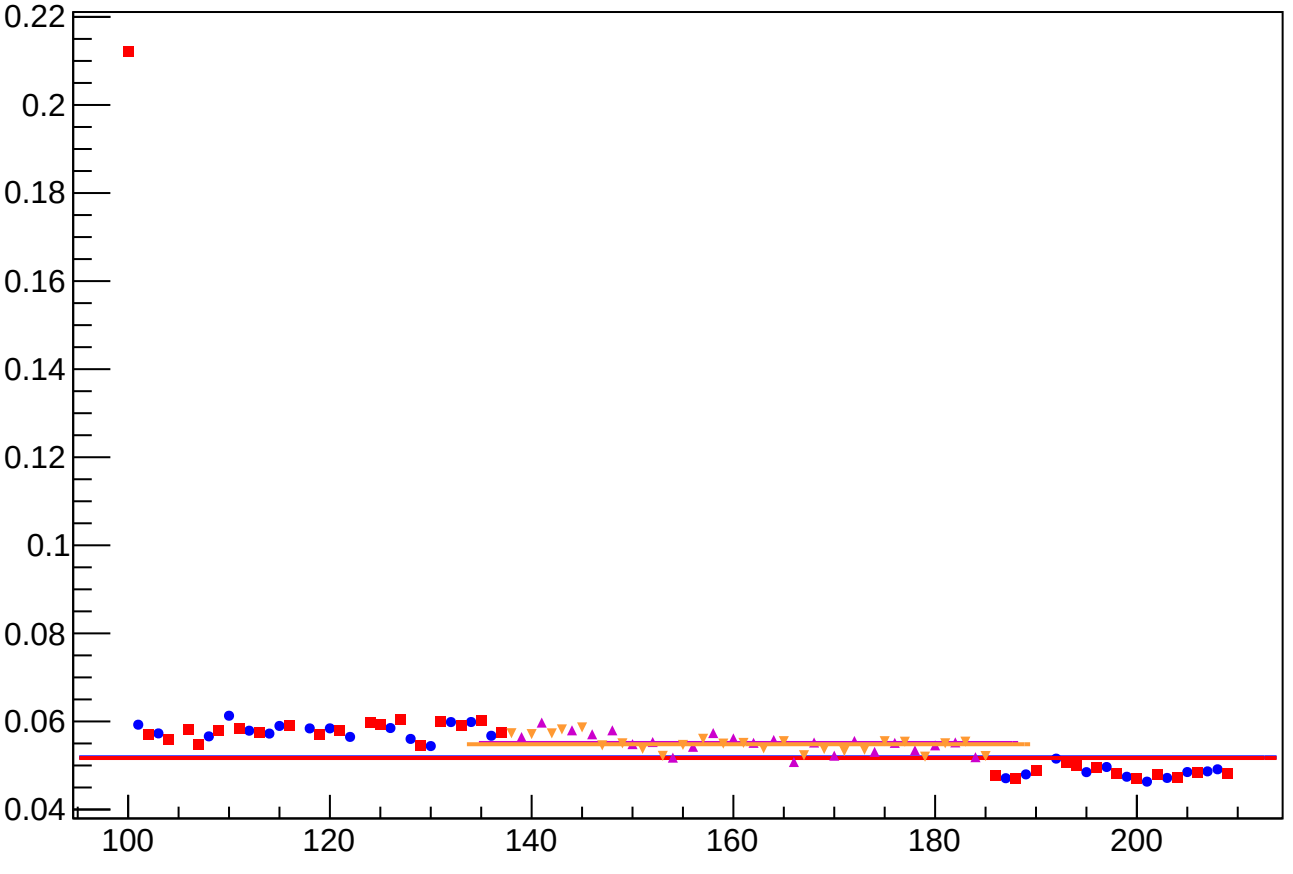
Right: -25.380+/-0.000 χ^2/NDF: 6355046047.7/57

In: -25.403+/-0.000 χ^2/NDF:78591989.3/49

Out: -25.393+/-0.000 χ^2/NDF:6391485226.8/55

All: -25.398+/-0.000 χ^2/NDF: 6470637031.3/

yield_dsr_rms vs Slug, Sign Corrected



Right In: 0.052+/-0.000 χ^2/NDF: 253107.9/26

Left Out: 0.055+/-0.000 χ^2/NDF:38095.1/24

Right Out: 0.052+/-0.000 χ^2/NDF: 361385.7/30

Left In: 0.055+/-0.000 χ^2/NDF:51531.3/22

Left: 0.055+/-0.000 χ^2/NDF: 90127.5/47

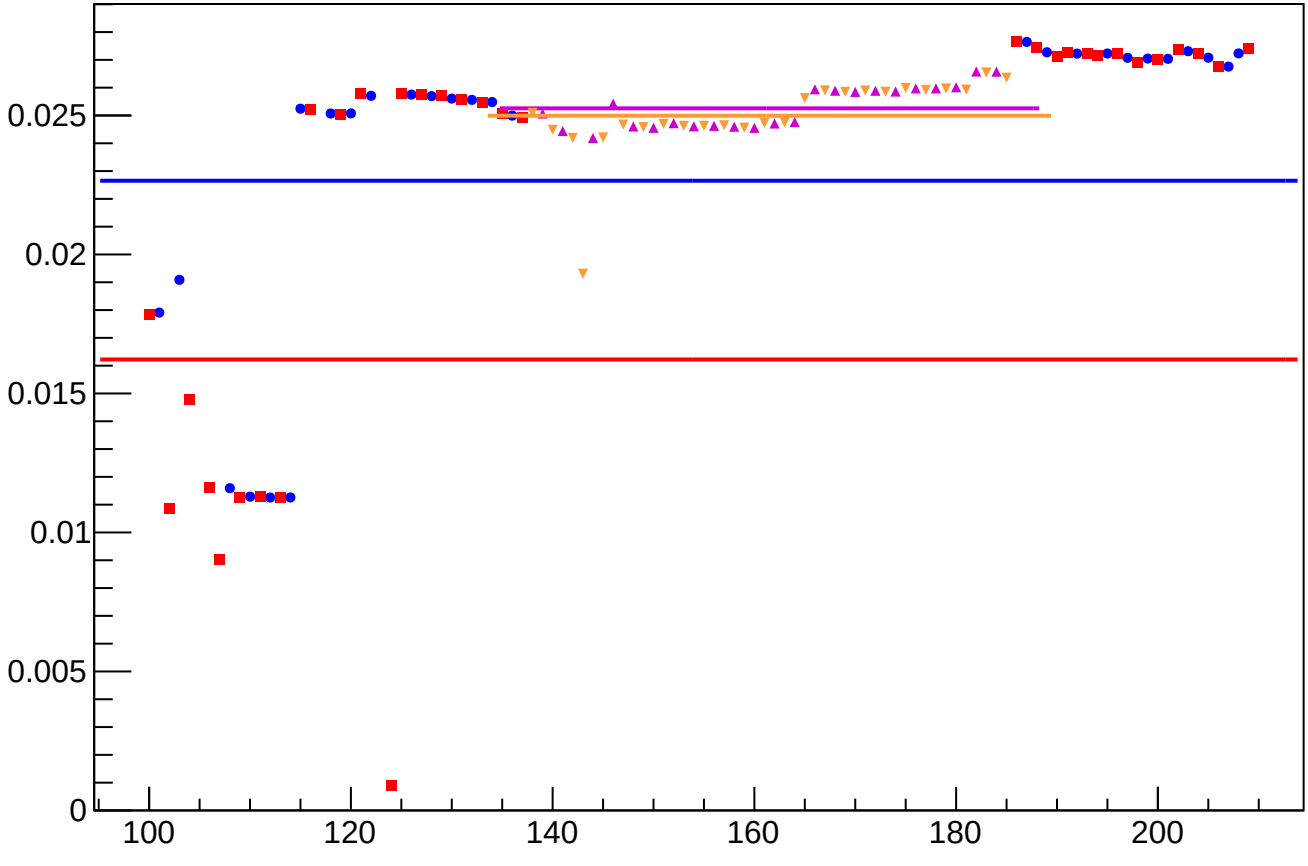
Right: 0.052+/-0.000 χ^2/NDF: 614643.8/57

In: 0.053+/-0.000 χ^2/NDF:365845.4/49

Out: 0.053+/-0.000 χ^2/NDF:460100.6/55

All: 0.053+/-0.000 χ^2/NDF: 826610.9/105

yield_atl1_mean vs Slug, Sign Corrected



Right In: 0.023+/-0.000 χ^2/NDF: 93022339313.9/26

Left Out: 0.025+/-0.000 χ^2/NDF:7880064969.5/24

Right Out: 0.016+/-0.000 χ^2/NDF: 444088773417.0/31

Left In: 0.025+/-0.000 χ^2/NDF:1884783780.3/22

Left: 0.025+/-0.000 χ^2/NDF: 9897726075.2/47

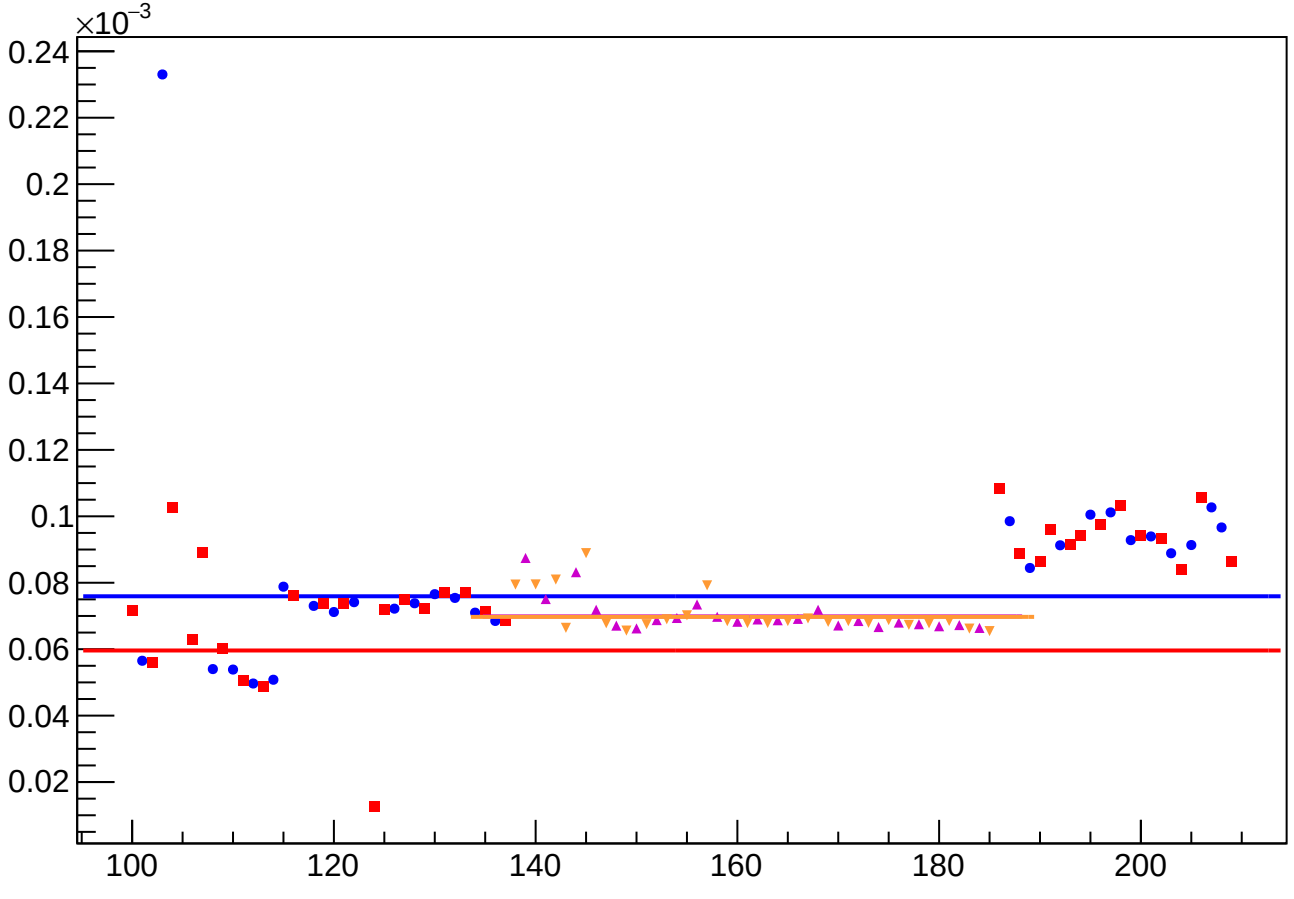
Right: 0.019+/-0.000 χ^2/NDF: 598235359316.6/58

In: 0.024+/-0.000 χ^2/NDF:105010197797.5/49

Out: 0.021+/-0.000 χ^2/NDF:596207117434.4/56

All: 0.022+/-0.000 χ^2/NDF: 741246841452.7

yield_atl1_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 1877803.1/26

Left Out: 0.000+/-0.000 χ^2/NDF:188211.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 7466732.9/31

Left In: 0.000+/-0.000 χ^2/NDF:152421.9/22

Left: 0.000+/-0.000 χ^2/NDF: 340709.7/47

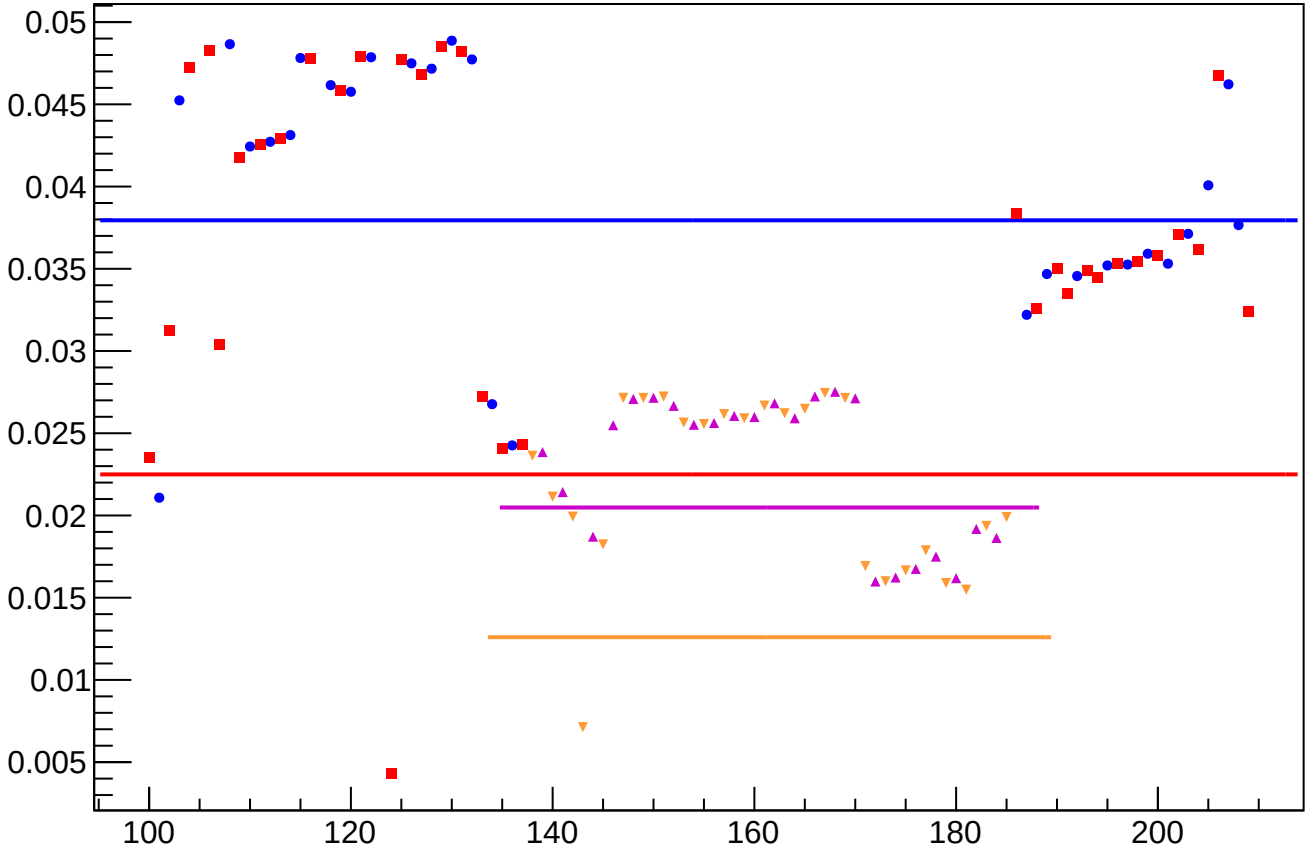
Right: 0.000+/-0.000 χ^2/NDF: 10132108.4/58

In: 0.000+/-0.000 χ^2/NDF:2139521.3/49

Out: 0.000+/-0.000 χ^2/NDF:8039101.5/56

All: 0.000+/-0.000 χ^2/NDF: 10556717.5/106

yield_atl2_mean vs Slug, Sign Corrected



Right In: 0.038+/-0.000 χ^2/NDF: 7334413177.9/26

Left Out: 0.013+/-0.000 χ^2/NDF:37338500367.6/24

Right Out: 0.022+/-0.000 χ^2/NDF: 47044211855.4/31

Left In: 0.020+/-0.000 χ^2/NDF:6099907424.9/22

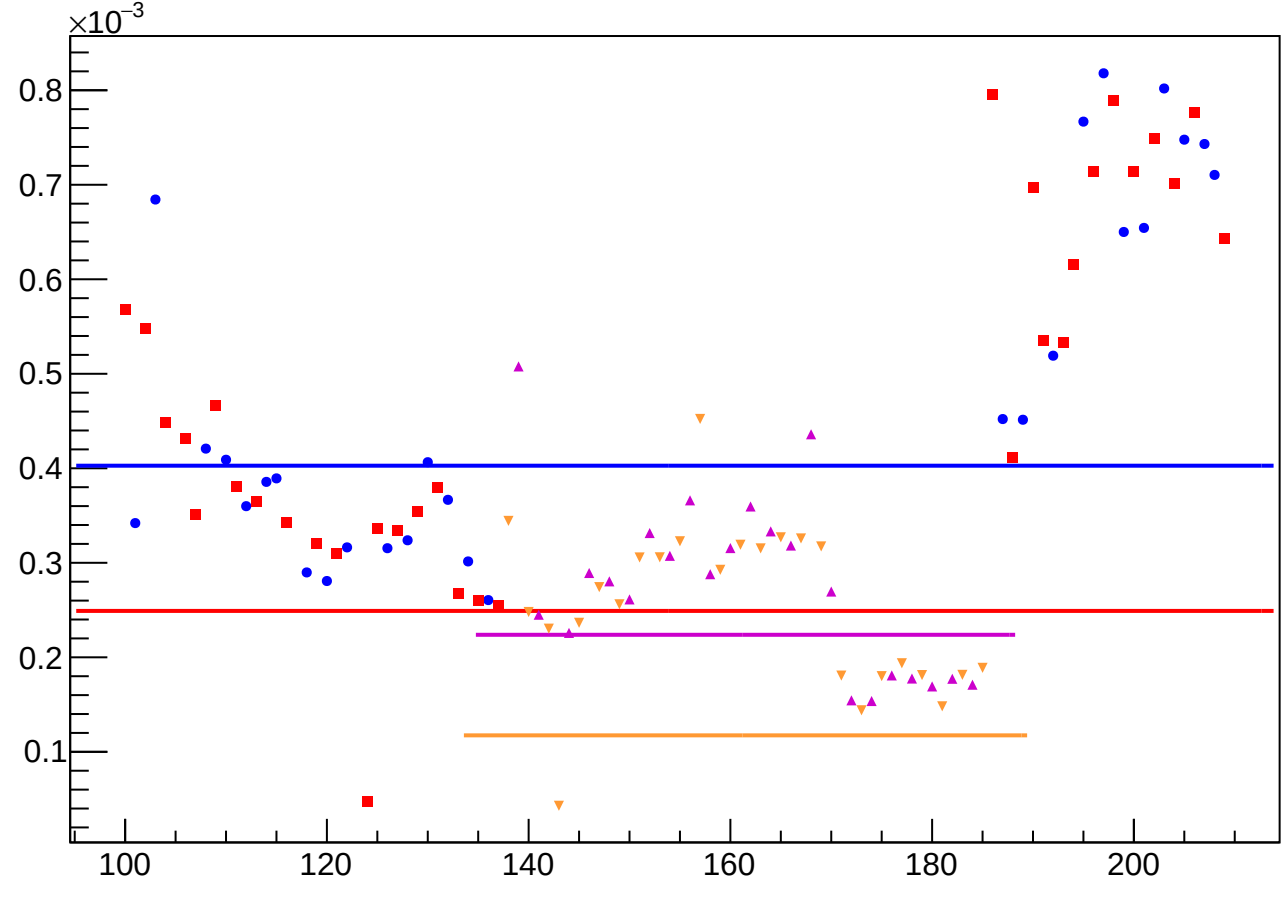
Left: 0.015+/-0.000 χ^2/NDF: 56833428679.6/47

Right: 0.028+/-0.000 χ^2/NDF: 66507401188.1/58

In: 0.024+/-0.000 χ^2/NDF:32349360615.8/49

Out: 0.014+/-0.000 χ^2/NDF:96332711918.1/56

All: 0.017+/-0.000 χ^2/NDF: 154717508992.4



Right In: 0.000+/-0.000 χ^2/NDF: 4013953.5/26

Left Out: 0.000+/-0.000 χ^2/NDF:14390785.9/24

Right Out: 0.000+/-0.000 χ^2/NDF: 13941268.3/31

Left In: 0.000+/-0.000 χ^2/NDF:3388230.8/22

Left: 0.000+/-0.000 χ^2/NDF: 22654672.2/47

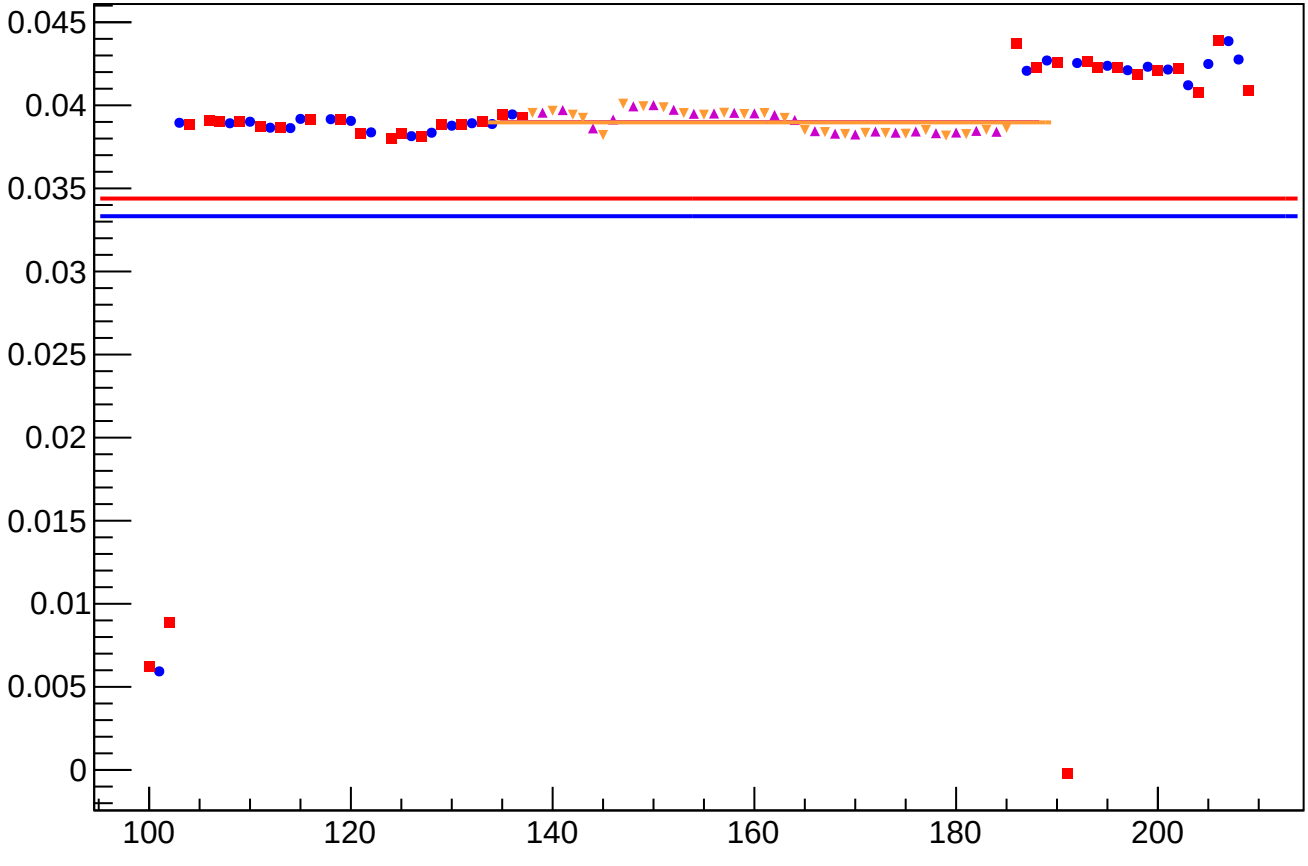
Right: 0.000+/-0.000 χ^2/NDF: 20354336.8/58

In: 0.000+/-0.000 χ^2/NDF:11373121.3/49

Out: 0.000+/-0.000 χ^2/NDF:32559423.2/56

All: 0.000+/-0.000 χ^2/NDF: 51863336.2/106

yield_atr1_mean vs Slug, Sign Corrected



Right In: 0.033+/-0.000 χ^2/NDF: 129827926625.3/26

Left Out: 0.039+/-0.000 χ^2/NDF:477670162.8/24

Right Out: 0.034+/-0.000 χ^2/NDF: 119468598091.1/31

Left In: 0.039+/-0.000 χ^2/NDF:408808029.6/22

Left: 0.039+/-0.000 χ^2/NDF: 886762060.9/47

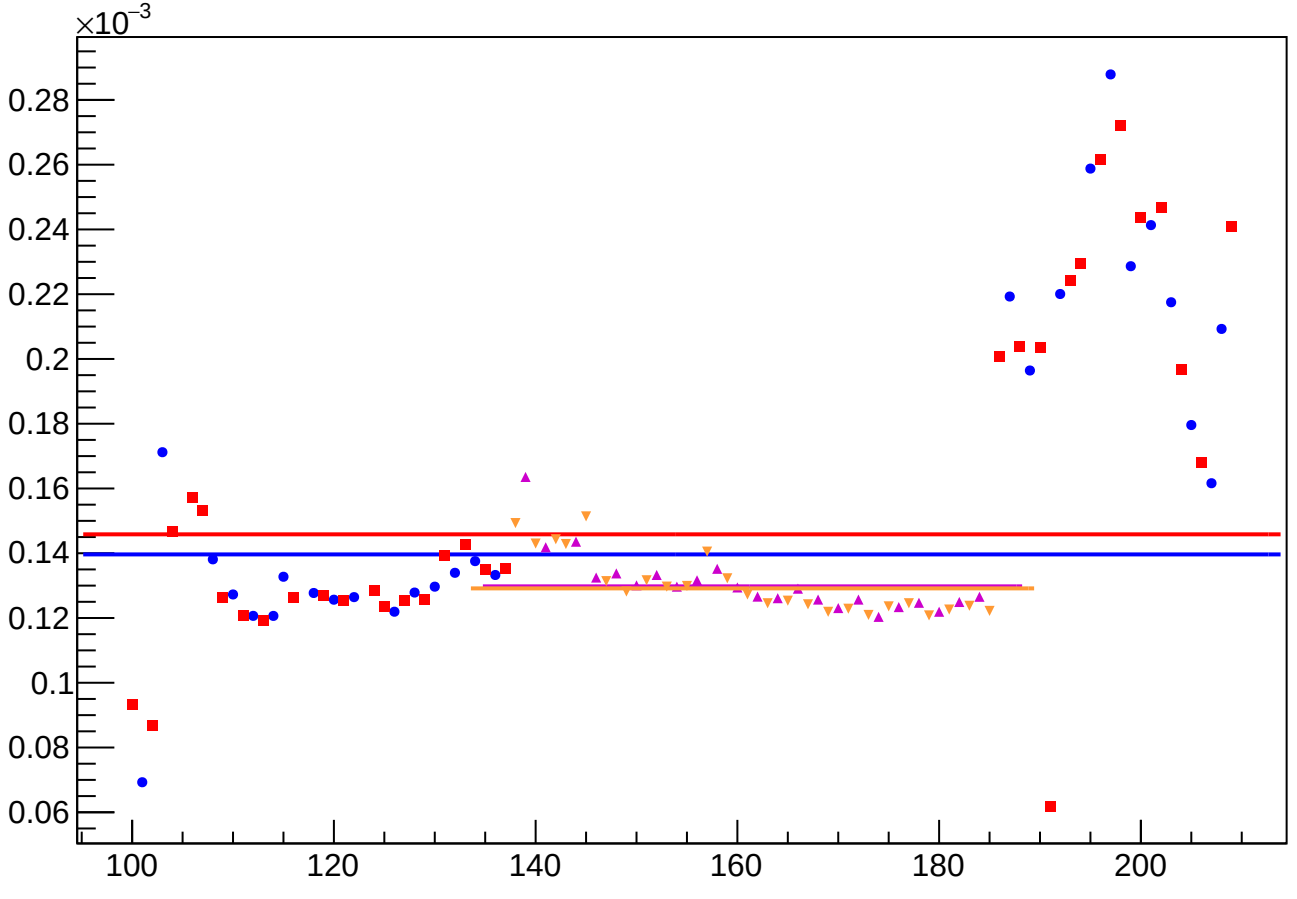
Right: 0.034+/-0.000 χ^2/NDF: 249686179210.7/58

In: 0.037+/-0.000 χ^2/NDF:143686280180.7/49

Out: 0.037+/-0.000 χ^2/NDF:128944977345.7/56

All: 0.037+/-0.000 χ^2/NDF: 272834810398.2

yield_atr1_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 3700490.2/26

Left Out: 0.000+/-0.000 χ^2/NDF:157557.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 3663193.4/31

Left In: 0.000+/-0.000 χ^2/NDF:141831.6/22

Left: 0.000+/-0.000 χ^2/NDF: 299820.4/47

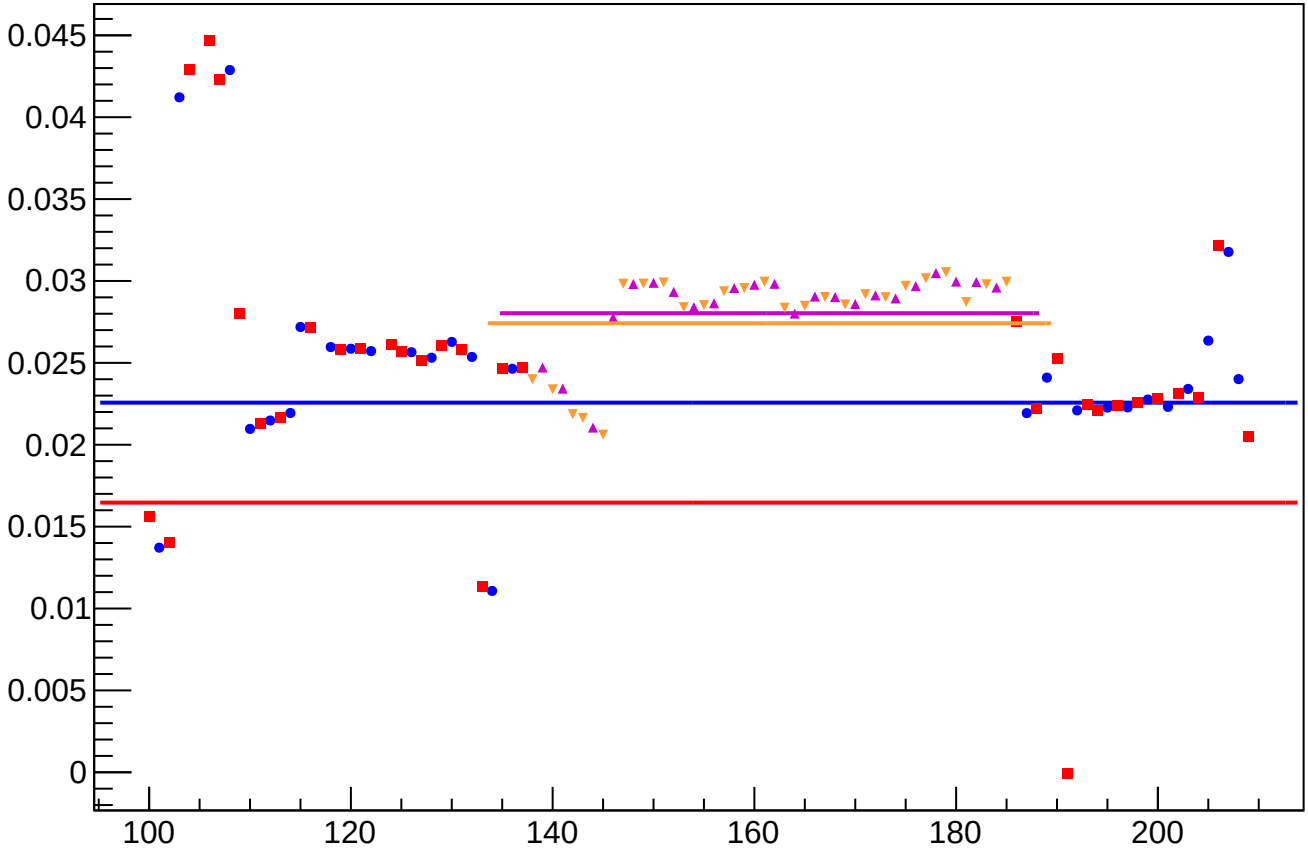
Right: 0.000+/-0.000 χ^2/NDF: 7390221.8/58

In: 0.000+/-0.000 χ^2/NDF:3923766.0/49

Out: 0.000+/-0.000 χ^2/NDF:4059445.4/56

All: 0.000+/-0.000 χ^2/NDF: 7989014.9/106

yield_atr2_mean vs Slug, Sign Corrected



Right In: 0.023+/-0.000 χ^2/NDF: 5189715794.3/26

Left Out: 0.027+/-0.000 χ^2/NDF:2240091851.9/24

Right Out: 0.016+/-0.000 χ^2/NDF: 25682658738.8/31

Left In: 0.028+/-0.000 χ^2/NDF:1490587051.3/22

Left: 0.028+/-0.000 χ^2/NDF: 3768752418.2/47

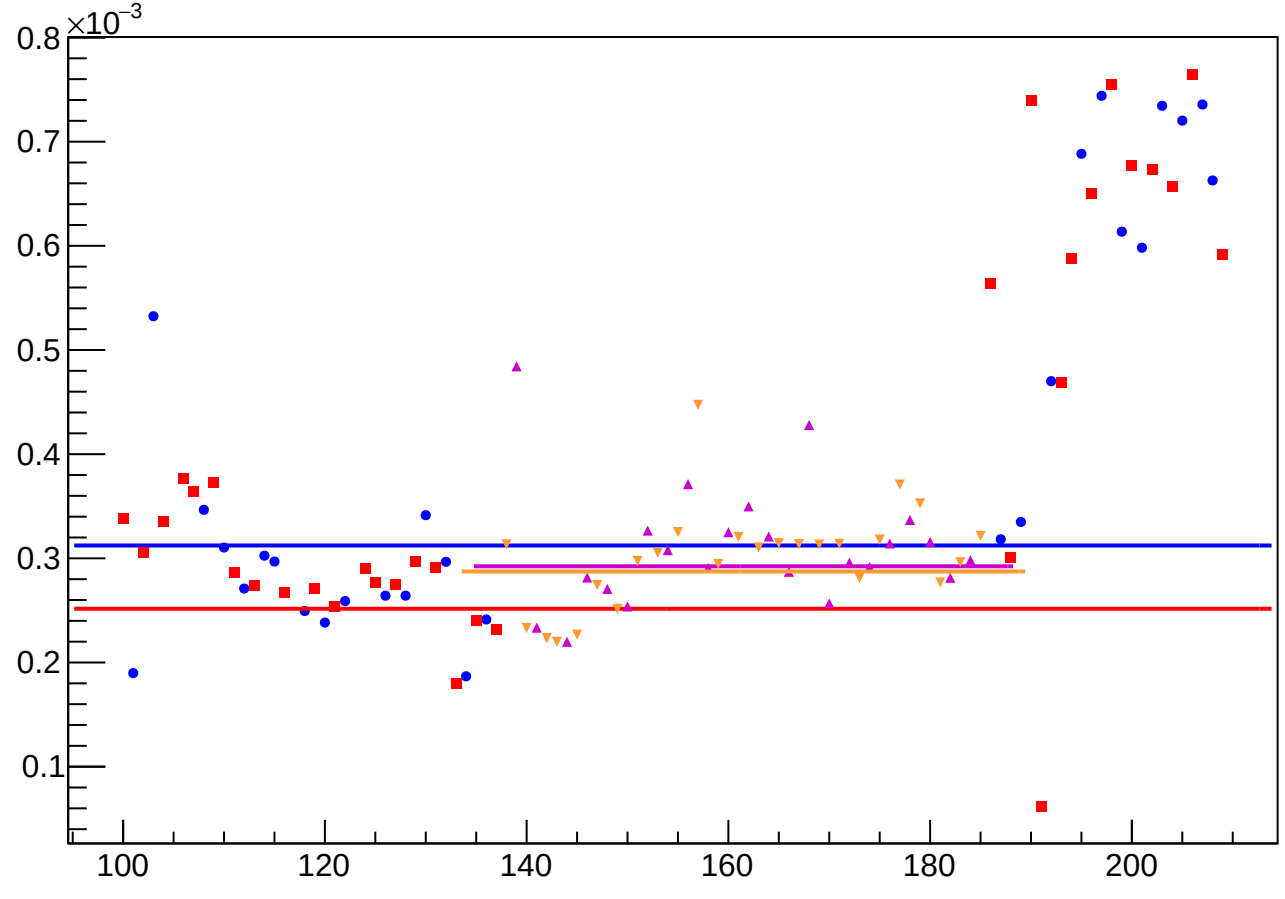
Right: 0.019+/-0.000 χ^2/NDF: 33513199113.2/58

In: 0.026+/-0.000 χ^2/NDF:8907125174.0/49

Out: 0.022+/-0.000 χ^2/NDF:39111410620.8/56

All: 0.024+/-0.000 χ^2/NDF: 50035363812.6/1

yield_atr2_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 5455765.7/26

Left Out: 0.000+/-0.000 χ^2/NDF:821515.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 10245099.7/31

Left In: 0.000+/-0.000 χ^2/NDF:970483.1/22

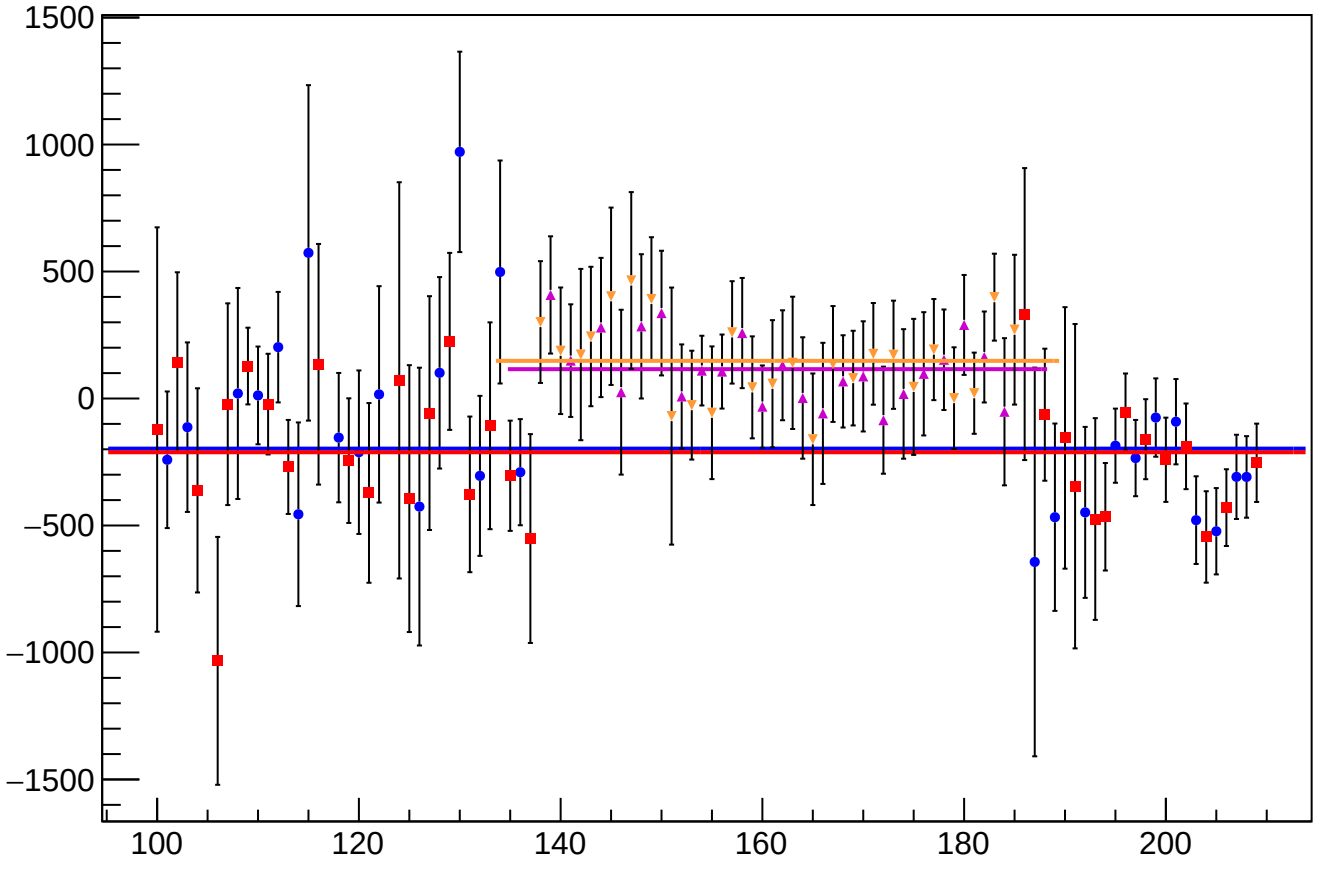
Left: 0.000+/-0.000 χ^2/NDF: 1796968.4/47

Right: 0.000+/-0.000 χ^2/NDF: 16223522.3/58

In: 0.000+/-0.000 χ^2/NDF:6485742.2/49

Out: 0.000+/-0.000 χ^2/NDF:11305384.9/56

All: 0.000+/-0.000 χ^2/NDF: 18075760.1/106



Right In: -197.338+/-44.622 χ^2/NDF: 29.3/26

Left Out: 148.273+/-46.219 χ^2/NDF:10.4/24

Right Out: -211.631+/-43.018 χ^2/NDF: 24.2/31

Left In: 115.487+/-43.568 χ^2/NDF:7.8/22

Left: 130.913+/-31.703 χ^2/NDF: 18.4/47

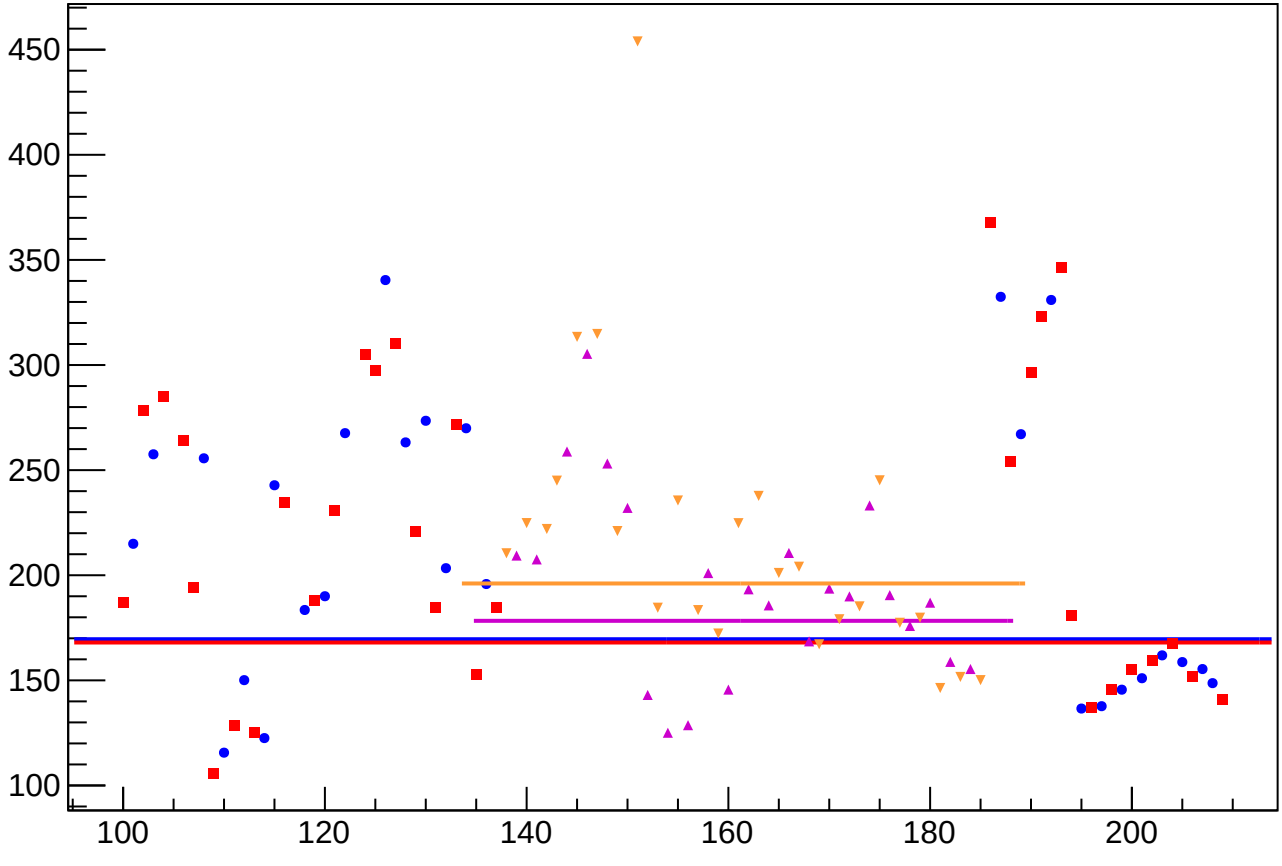
Right: -204.746+/-30.970 χ^2/NDF: 53.5/58

In: -37.186+/-31.173 χ^2/NDF:62.2/49

Out: -44.572+/-31.489 χ^2/NDF:67.0/56

All: -40.842+/-22.154 χ^2/NDF: 129.2/106

asym_bcm_an_us_bcm_an_ds_agg_avg_rms vs Slug, Sign Corrected



Right In: 169.568+/-0.032 χ^2/NDF: 2265630.1/26

Left Out: 196.087+/-0.033 χ^2/NDF:1818492.9/24

Right Out: 168.006+/-0.030 χ^2/NDF: 3001436.2/31

Left In: 178.318+/-0.031 χ^2/NDF:1678336.4/22

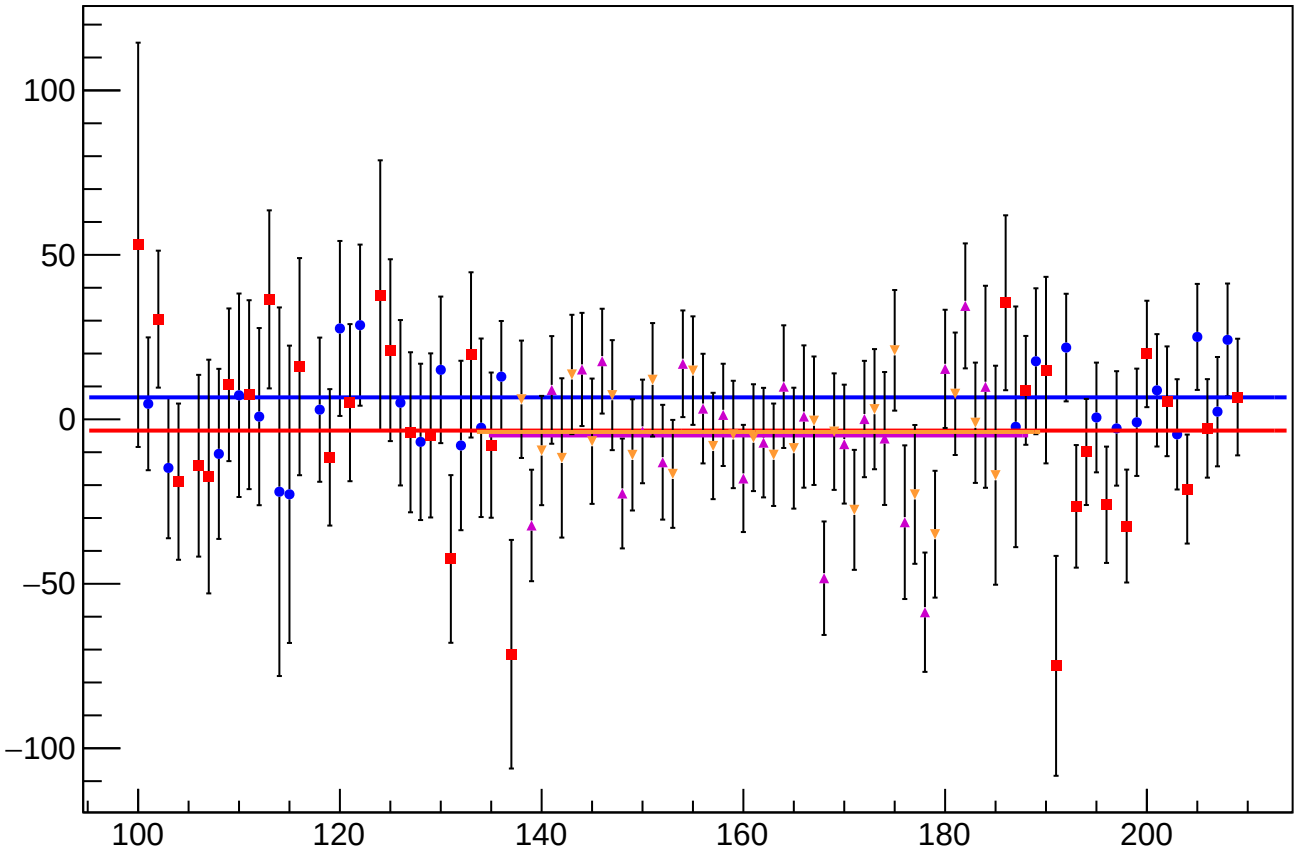
Left: 186.678+/-0.022 χ^2/NDF: 3653348.5/47

Right: 168.758+/-0.022 χ^2/NDF: 5268336.0/58

In: 174.047+/-0.022 χ^2/NDF:3983337.1/49

Out: 181.040+/-0.022 χ^2/NDF:5215489.1/56

All: 177.509+/-0.016 χ^2/NDF: 9248641.1/106



Right In: 6.681+/-4.039 χ^2/NDF: 9.4/26

Left Out: -3.834+/-3.603 χ^2/NDF:12.9/24

Right Out: -3.419+/-3.884 χ^2/NDF: 34.1/31

Left In: -4.903+/-3.695 χ^2/NDF:33.9/22

Left: -4.355+/-2.580 χ^2/NDF: 46.8/47

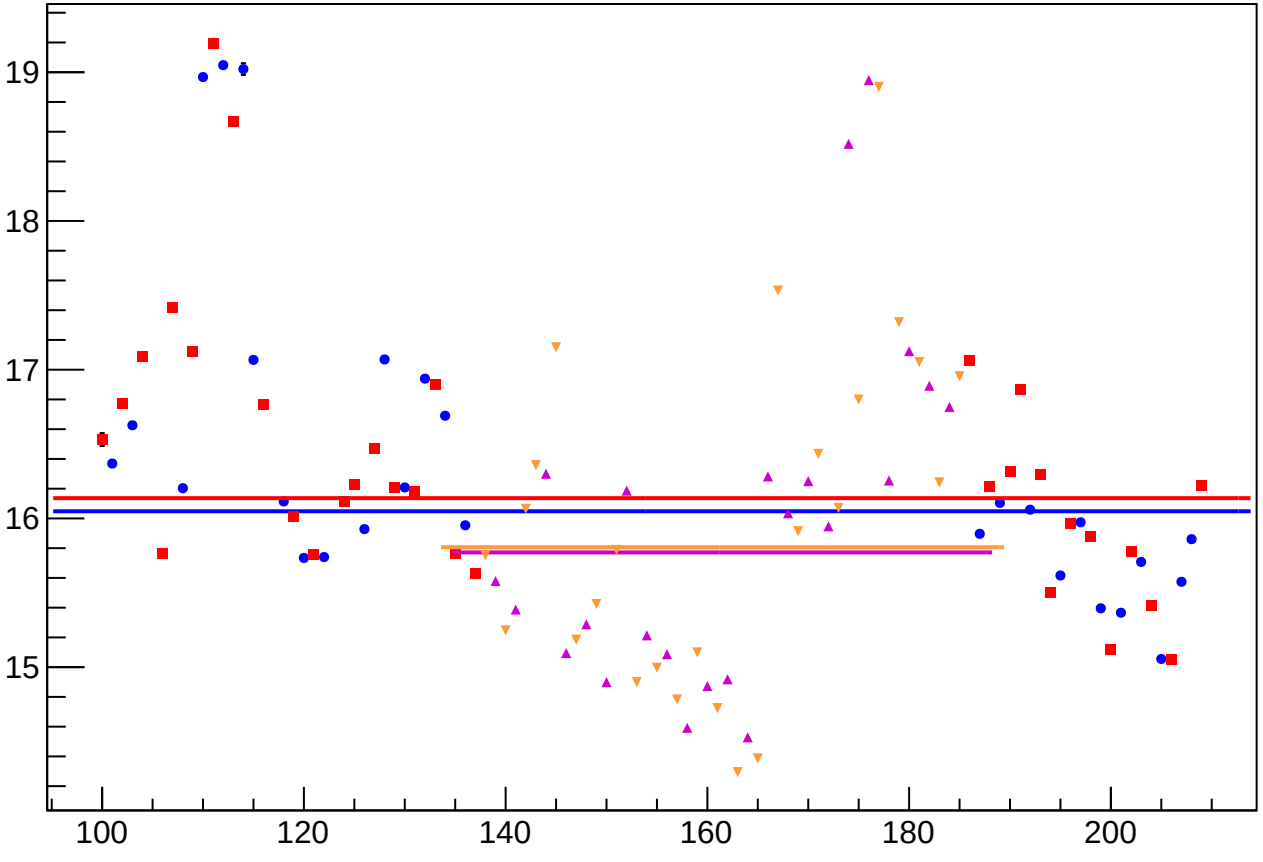
Right: 1.433+/-2.800 χ^2/NDF: 46.7/58

In: 0.375+/-2.727 χ^2/NDF:47.7/49

Out: -3.642+/-2.641 χ^2/NDF:46.9/56

All: -1.698+/-1.897 χ^2/NDF: 95.8/106

asym_bcm_an_avg_bcm_dg_ds_agg_dd_rms vs Slug, Sign Corrected



Right In: 16.048+/-0.003 χ^2/NDF: 77449.4/26

Left Out: 15.806+/-0.003 χ^2/NDF:172651.3/24

Right Out: 16.136+/-0.003 χ^2/NDF: 87024.6/31

Left In: 15.771+/-0.003 χ^2/NDF:152136.7/22

Left: 15.789+/-0.002 χ^2/NDF: 324879.5/47

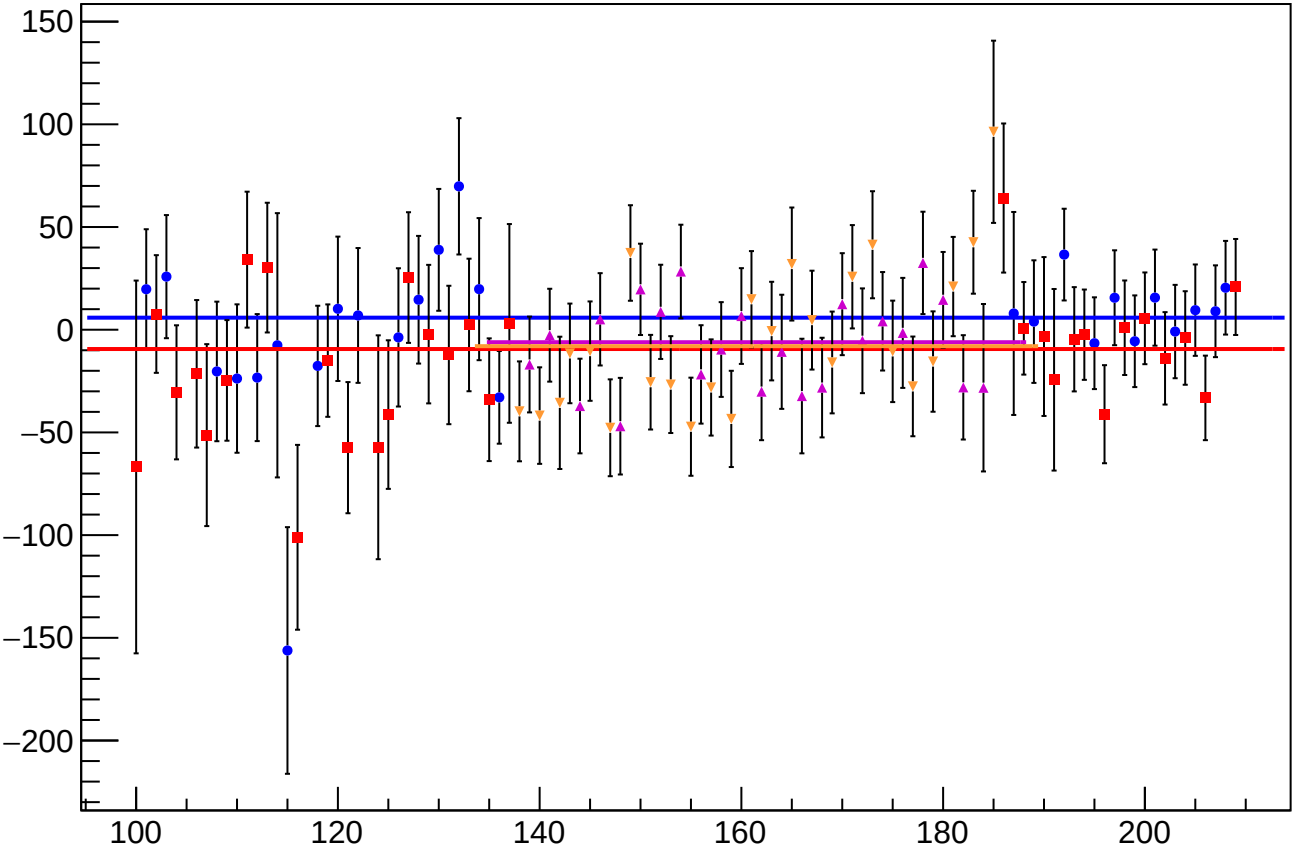
Right: 16.094+/-0.002 χ^2/NDF: 164970.6/58

In: 15.897+/-0.002 χ^2/NDF:234691.1/49

Out: 15.959+/-0.002 χ^2/NDF:267436.8/56

All: 15.929+/-0.001 χ^2/NDF: 502652.6/106

asym_bcm_an_avg_bcm_dg_us_agg_dd_mean vs Slug, Sign Corrected



Right In: 5.867+/-5.401 χ^2/NDF: 22.4/26

Left Out: -8.016+/-4.956 χ^2/NDF:38.9/24

Right Out: -9.398+/-5.193 χ^2/NDF: 26.0/31

Left In: -6.086+/-5.080 χ^2/NDF:17.9/22

Left: -7.075+/-3.547 χ^2/NDF: 56.8/47

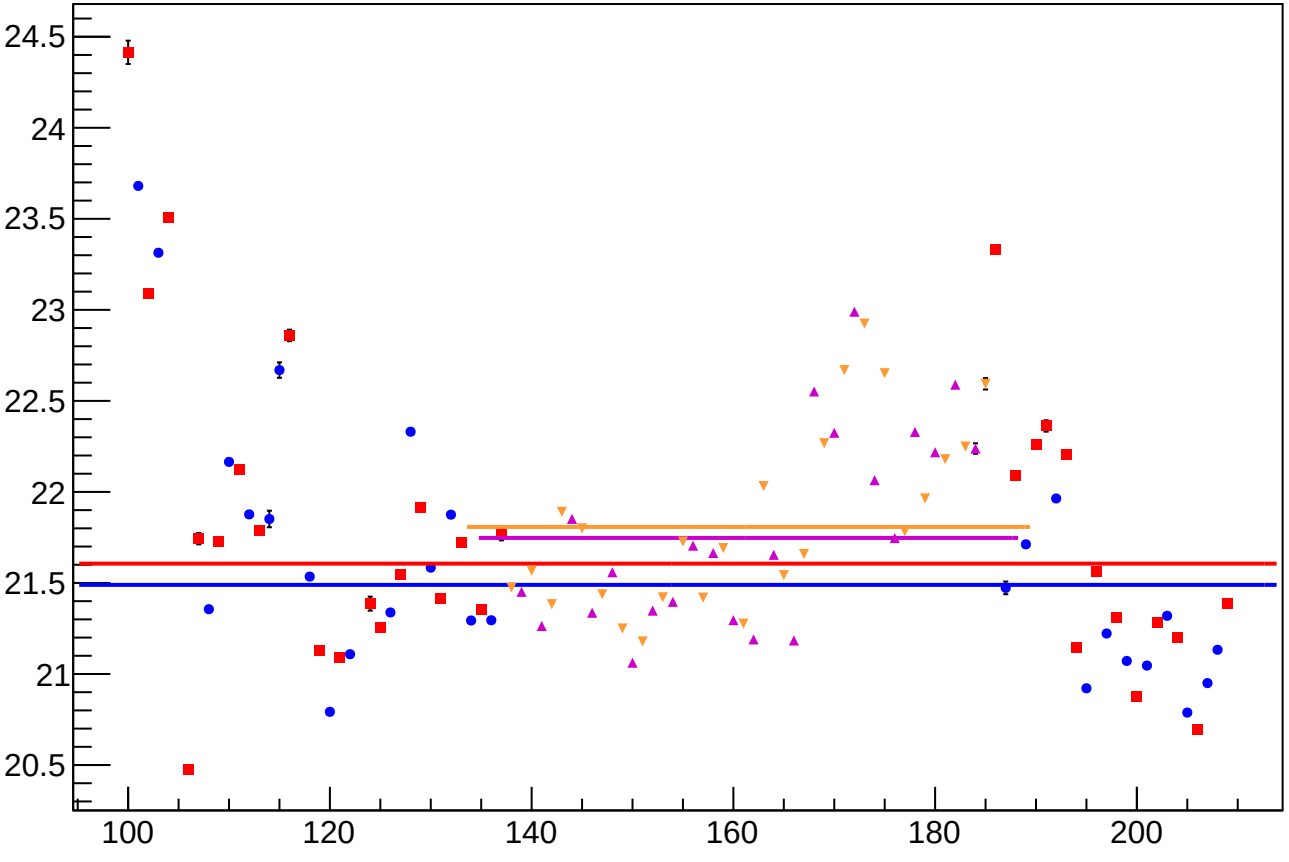
Right: -2.066+/-3.743 χ^2/NDF: 52.5/58

In: -0.475+/-3.700 χ^2/NDF:42.9/49

Out: -8.675+/-3.585 χ^2/NDF:64.9/56

All: -4.705+/-2.575 χ^2/NDF: 110.3/106

asym_bcm_an_avg_bcm_dg_us_agg_dd_rms vs Slug, Sign Corrected



Right In: 21.490+/-0.004 χ^2/NDF: 31366.7/26

Left Out: 21.808+/-0.004 χ^2/NDF:17561.0/24

Right Out: 21.606+/-0.004 χ^2/NDF: 36216.2/31

Left In: 21.747+/-0.004 χ^2/NDF:20560.9/22

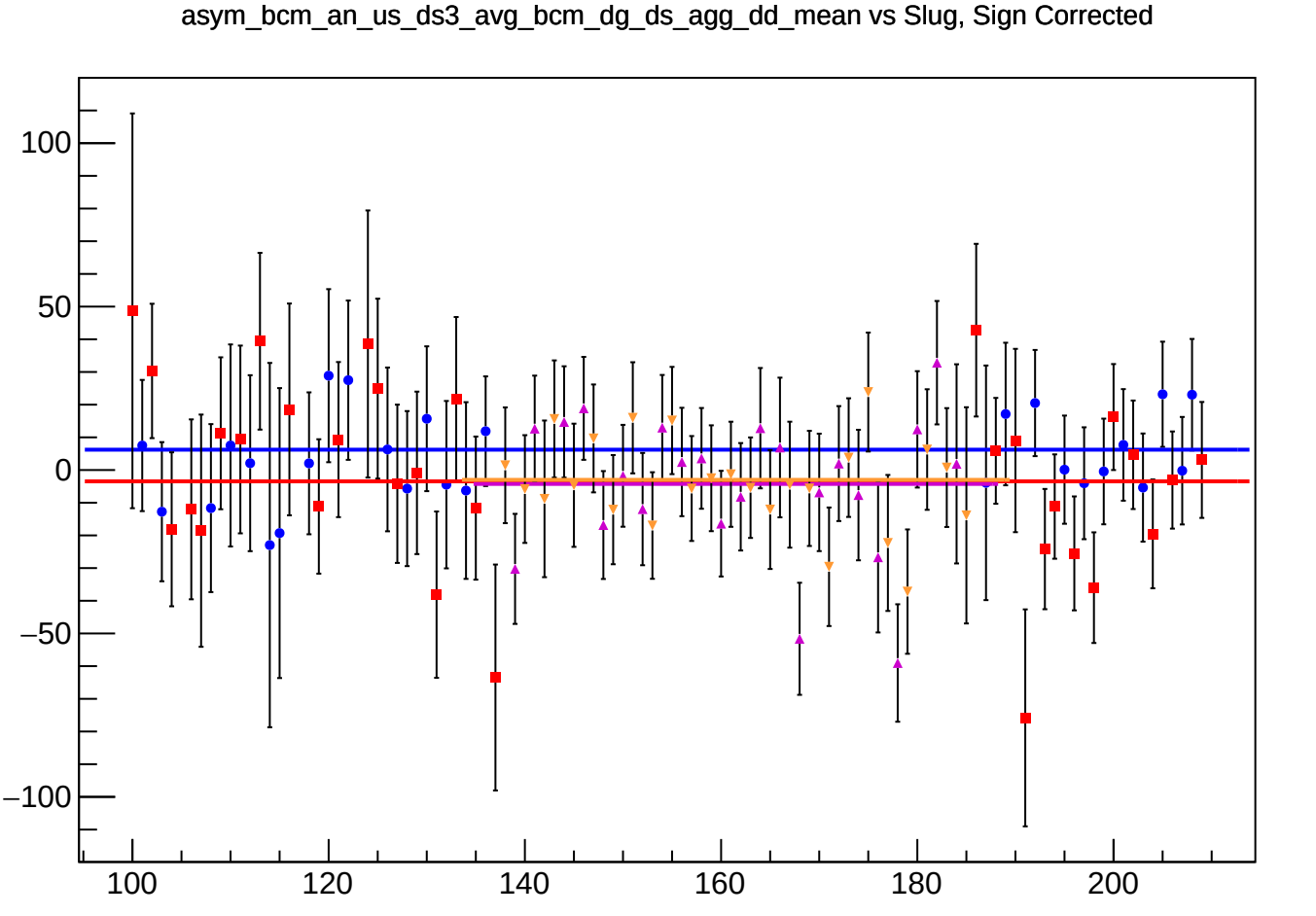
Left: 21.778+/-0.003 χ^2/NDF: 38266.9/47

Right: 21.550+/-0.003 χ^2/NDF: 68067.7/58

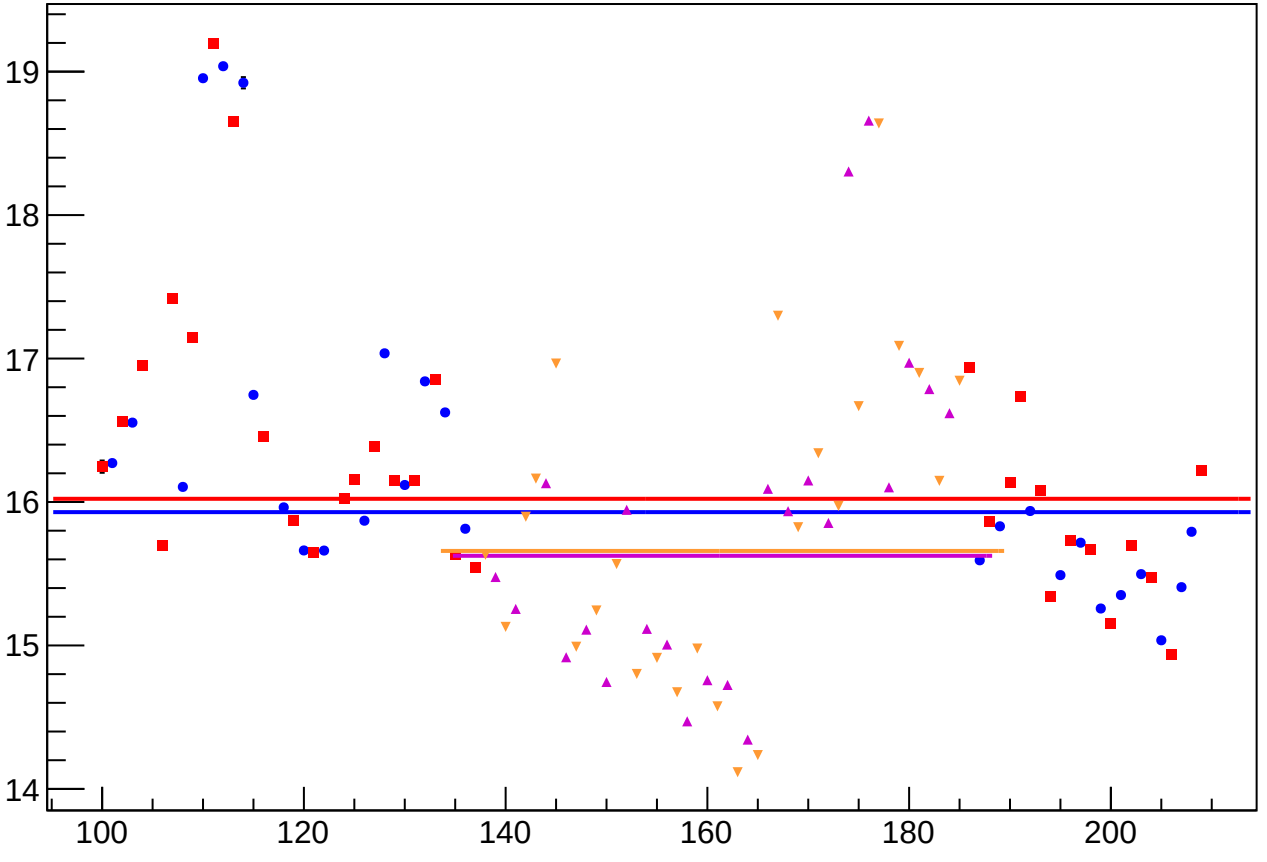
In: 21.626+/-0.003 χ^2/NDF:54344.4/49

Out: 21.712+/-0.003 χ^2/NDF:55353.7/56

All: 21.670+/-0.002 χ^2/NDF: 110247.0/106


asym_bcm_an_us_ds3_avg_bcm_dg_ds_agg_dd_mean vs Slug, Sign Corrected
100
50
0
−50
−100
100
120
140
160
180
200
Right In: 6.226+/-4.010 χ²/NDF: 8.9/26
Left Out: -3.002+/-3.569 χ²/NDF:14.6/24
Right Out: -3.465+/-3.857 χ²/NDF: 34.2/31
Left In: -4.249+/-3.661 χ²/NDF:33.8/22
Left: -3.610+/-2.555 χ²/NDF: 48.5/47
Right: 1.192+/-2.780 χ²/NDF: 46.1/58
In: 0.512+/-2.704 χ²/NDF:46.4/49
Out: -3.216+/-2.619 χ²/NDF:48.9/56
All: -1.410+/-1.881 χ²/NDF: 96.3/106

asym_bcm_an_us_ds3_avg_bcm_dg_ds_agg_dd_rms vs Slug, Sign Corrected



Right In: 15.929+/-0.003 χ^2/NDF: 80946.4/26

Left Out: 15.659+/-0.003 χ^2/NDF:169838.6/24

Right Out: 16.022+/-0.003 χ^2/NDF: 88890.8/31

Left In: 15.625+/-0.003 χ^2/NDF:150431.7/22

Left: 15.642+/-0.002 χ^2/NDF: 320358.4/47

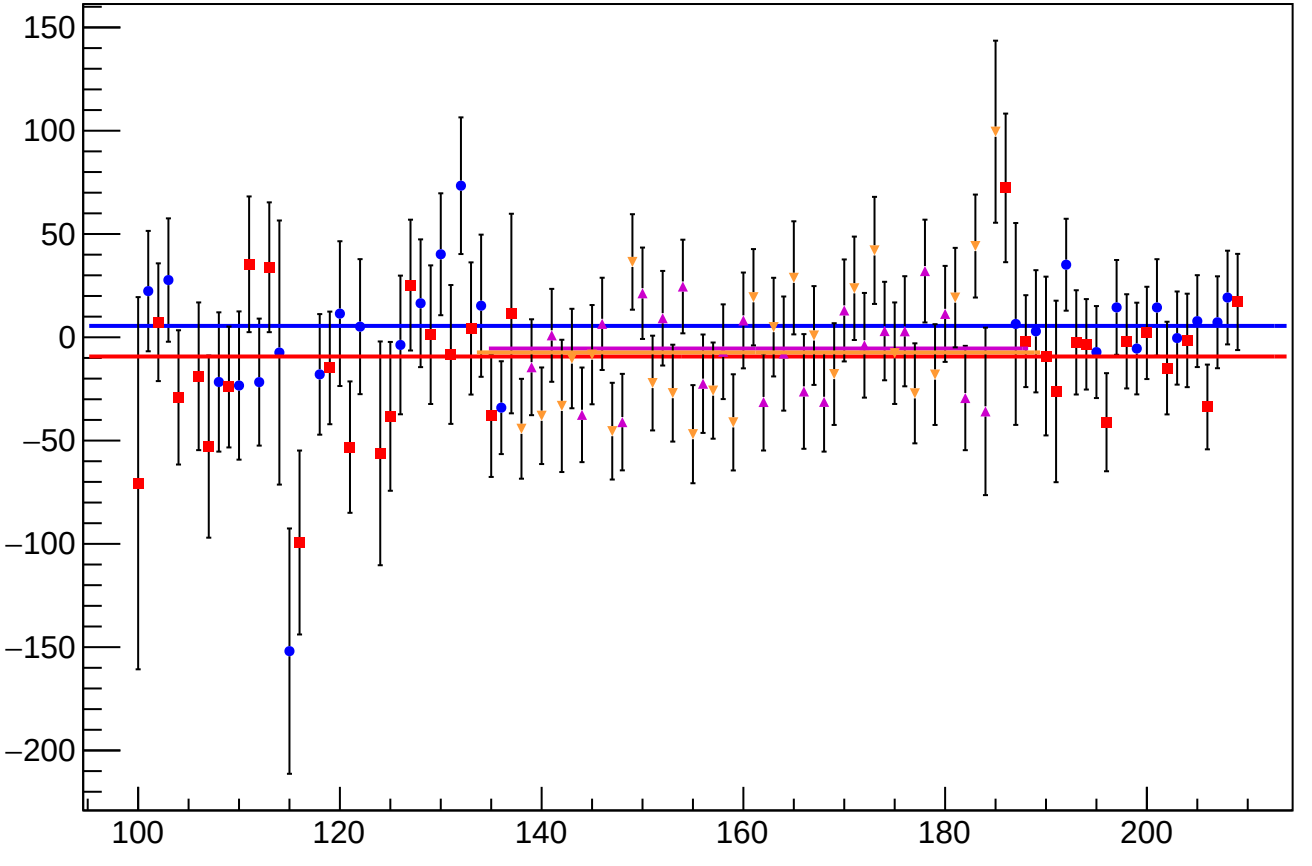
Right: 15.978+/-0.002 χ^2/NDF: 170395.6/58

In: 15.763+/-0.002 χ^2/NDF:237661.0/49

Out: 15.827+/-0.002 χ^2/NDF:268293.6/56

All: 15.796+/-0.001 χ^2/NDF: 506518.0/106

asym_bcm_an_us_ds3_avg_bcm_dg_us_agg_dd_mean vs Slug, Sign Corrected



Right In: 5.514+/-5.376 χ^2/NDF: 22.8/26

Left Out: -7.318+/-4.929 χ^2/NDF:38.6/24

Right Out: -9.298+/-5.166 χ^2/NDF: 26.8/31

Left In: -5.435+/-5.054 χ^2/NDF:17.3/22

Left: -6.400+/-3.529 χ^2/NDF: 56.0/47

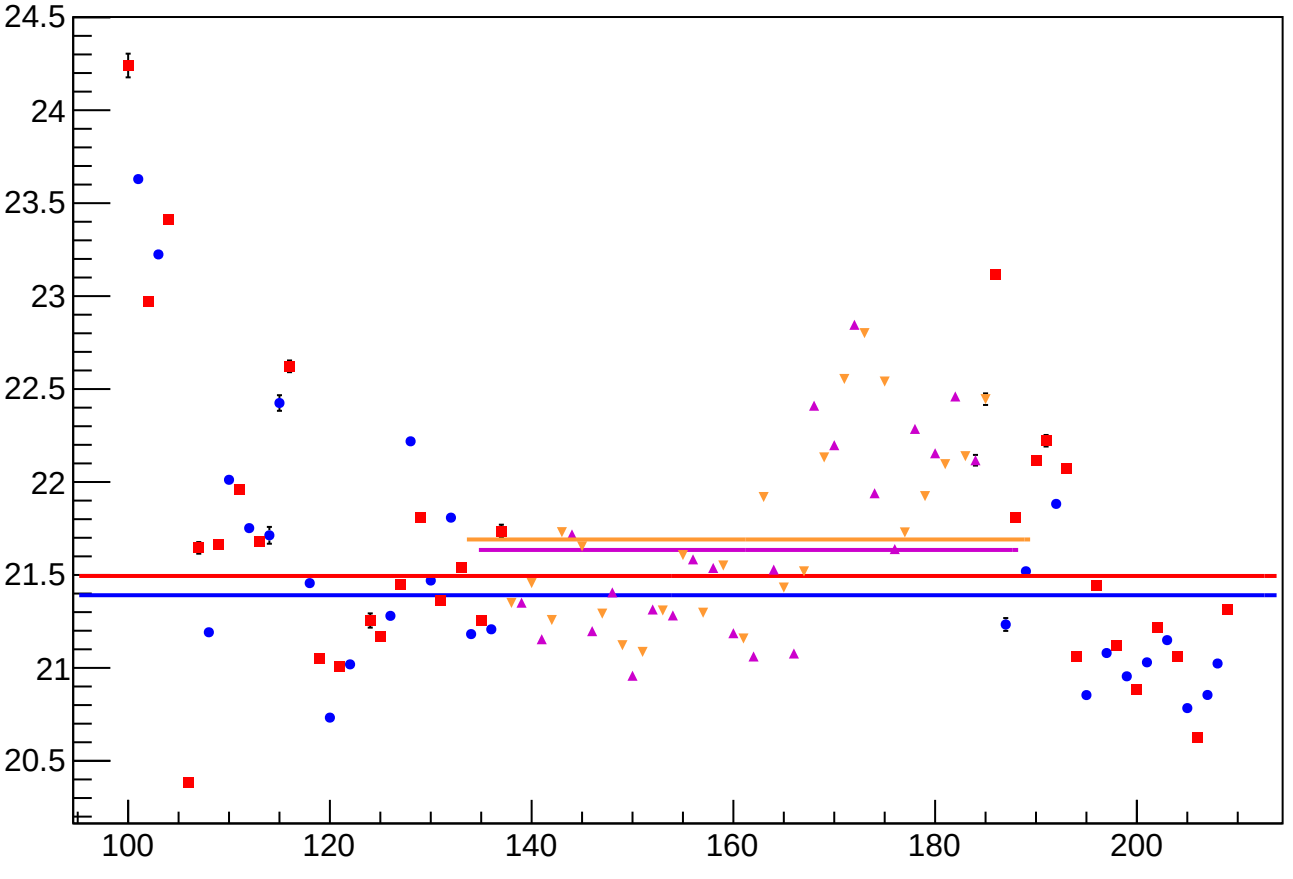
Right: -2.187+/-3.725 χ^2/NDF: 53.6/58

In: -0.299+/-3.682 χ^2/NDF:42.3/49

Out: -8.261+/-3.566 χ^2/NDF:65.5/56

All: -4.408+/-2.562 χ^2/NDF: 110.2/106

asym_bcm_an_us_ds3_avg_bcm_dg_us_agg_dd_rms vs Slug, Sign Corrected



Right In: 21.391+/-0.004 χ^2/NDF: 31137.8/26

Left Out: 21.691+/-0.003 χ^2/NDF:17934.9/24

Right Out: 21.495+/-0.004 χ^2/NDF: 33703.0/31

Left In: 21.635+/-0.004 χ^2/NDF:20561.5/22

Left: 21.663+/-0.002 χ^2/NDF: 38623.9/47

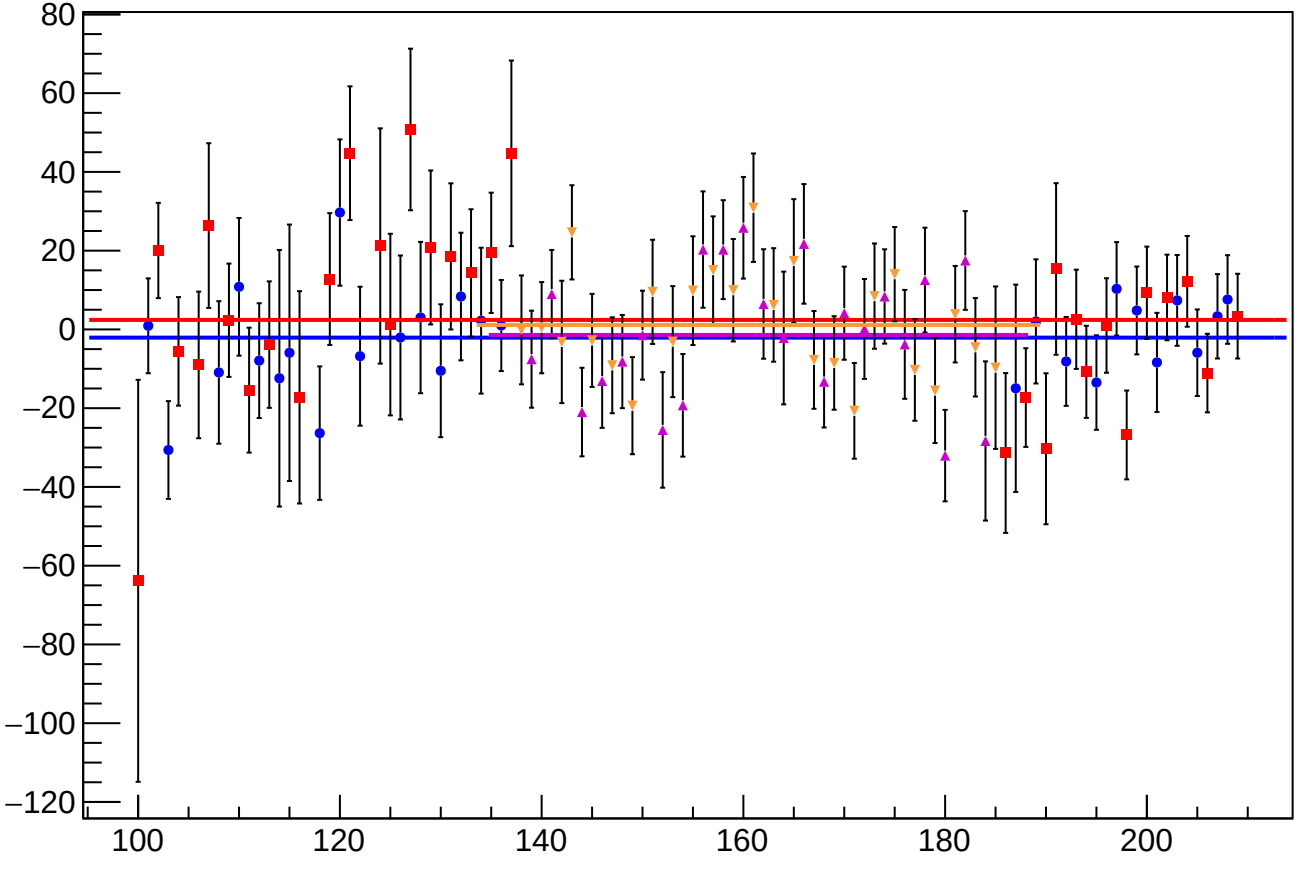
Right: 21.445+/-0.003 χ^2/NDF: 65227.0/58

In: 21.520+/-0.003 χ^2/NDF:53878.5/49

Out: 21.597+/-0.003 χ^2/NDF:53149.6/56

All: 21.560+/-0.002 χ^2/NDF: 107480.1/106

asym_bcm_an_us_bcm_an_ds_agg_dd_mean vs Slug, Sign Corrected



Right In: -2.084+/-2.745 χ^2/NDF: 17.3/26

Left Out: 1.138+/-2.620 χ^2/NDF:24.5/24

Right Out: 2.415+/-2.639 χ^2/NDF: 46.7/31

Left In: -1.407+/-2.674 χ^2/NDF:36.3/22

Left: -0.108+/-1.871 χ^2/NDF: 61.3/47

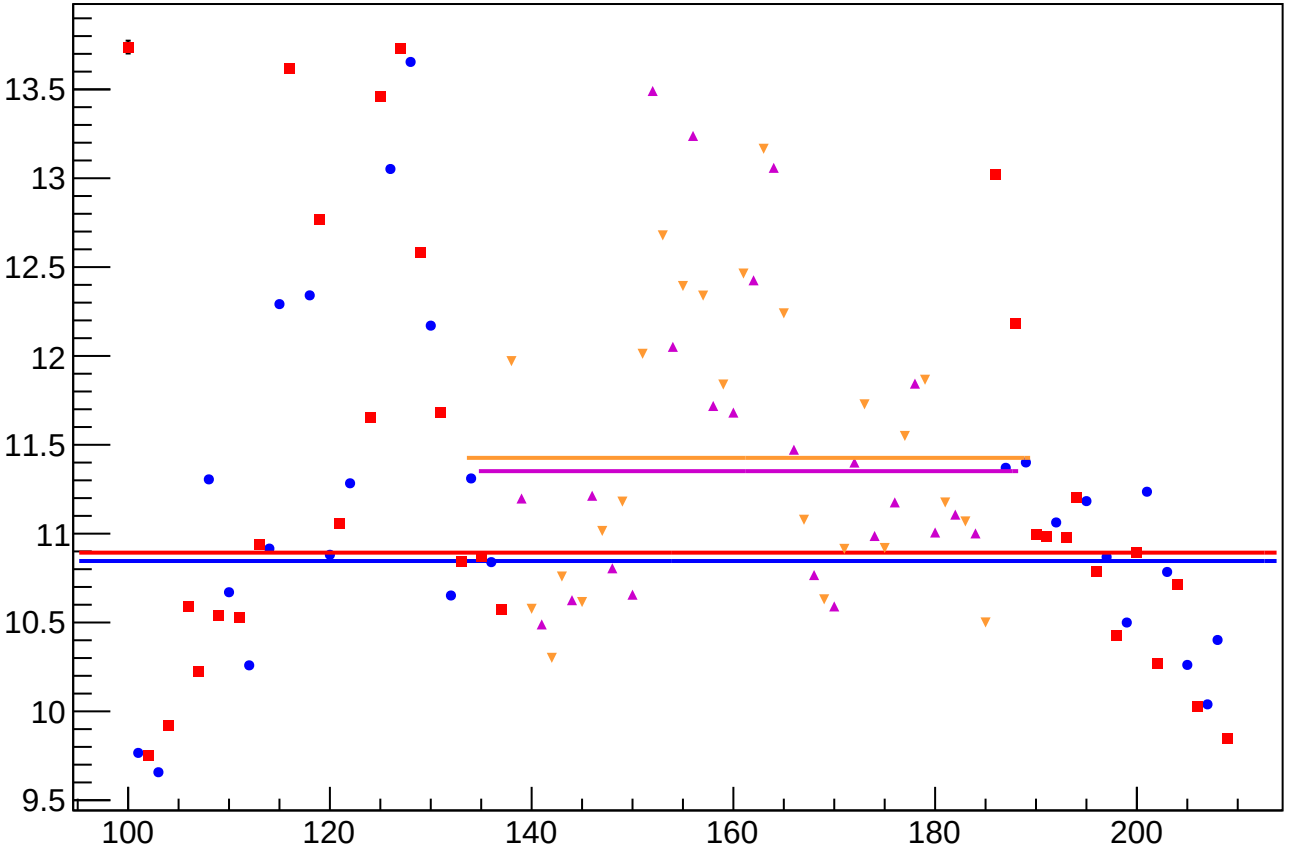
Right: 0.254+/-1.903 χ^2/NDF: 65.4/58

In: -1.736+/-1.915 χ^2/NDF:53.7/49

Out: 1.772+/-1.859 χ^2/NDF:71.3/56

All: 0.070+/-1.334 χ^2/NDF: 126.7/106

asym_bcm_an_us_bcm_an_ds_agg_dd_rms vs Slug, Sign Corrected



Right In: 10.846+/-0.002 χ^2/NDF: 168510.7/26

Left Out: 11.426+/-0.002 χ^2/NDF:156973.4/24

Right Out: 10.893+/-0.002 χ^2/NDF: 257314.3/31

Left In: 11.352+/-0.002 χ^2/NDF:170563.6/22

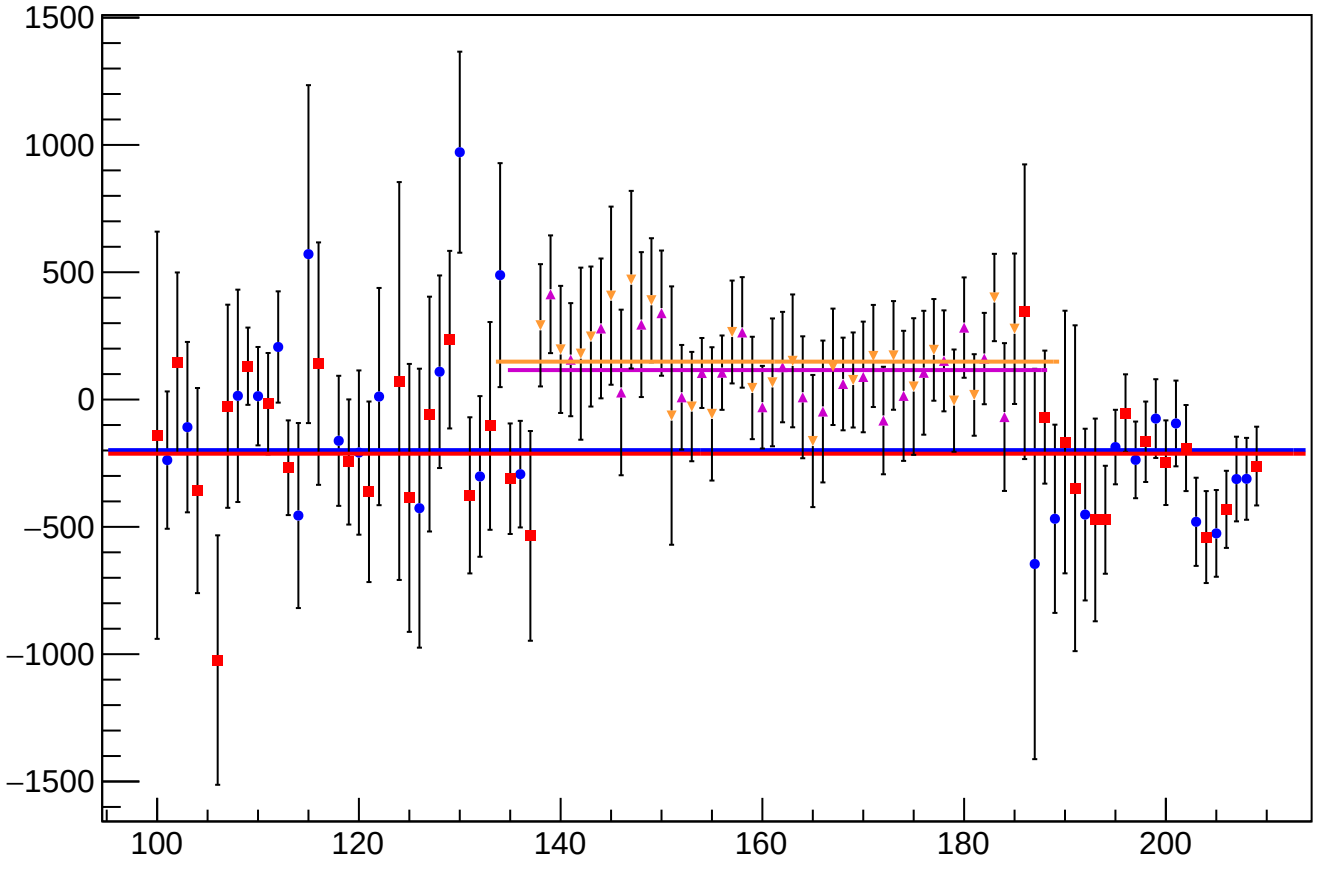
Left: 11.390+/-0.001 χ^2/NDF: 328334.9/47

Right: 10.871+/-0.001 χ^2/NDF: 426130.9/58

In: 11.106+/-0.001 χ^2/NDF:373901.4/49

Out: 11.162+/-0.001 χ^2/NDF:455422.3/56

All: 11.134+/-0.001 χ^2/NDF: 830212.8/106



Right In: -198.638+/-44.738 χ^2/NDF: 29.3/26

Left Out: 148.905+/-46.306 χ^2/NDF:10.5/24

Right Out: -212.677+/-43.136 χ^2/NDF: 24.1/31

Left In: 115.709+/-43.641 χ^2/NDF:7.8/22

Left: 131.325+/-31.759 χ^2/NDF: 18.6/47

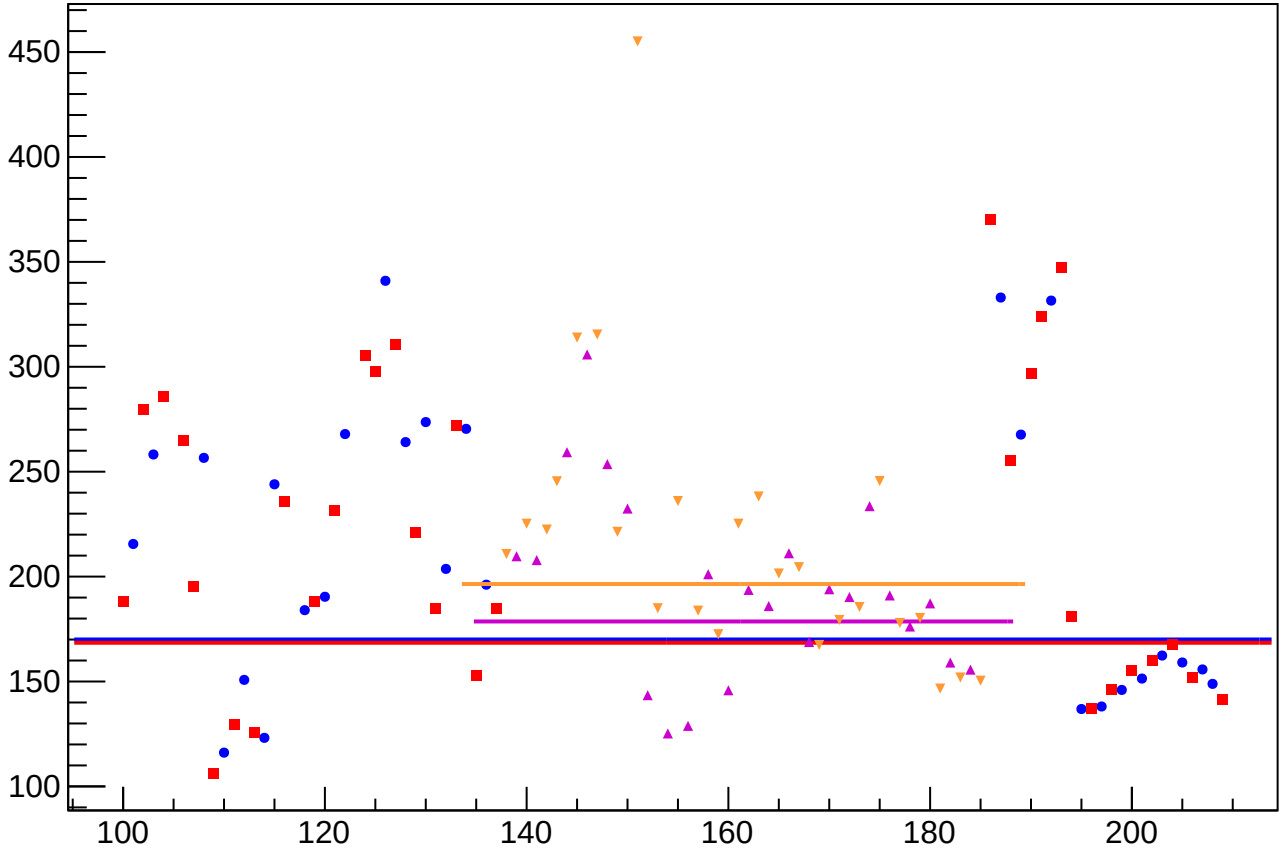
Right: -205.913+/-31.052 χ^2/NDF: 53.5/58

In: -37.564+/-31.239 χ^2/NDF:62.4/49

Out: -44.689+/-31.563 χ^2/NDF:67.3/56

All: -41.090+/-22.203 χ^2/NDF: 129.7/106

asym_bcm_an_us_bcm_an_ds3_agg_avg_rms vs Slug, Sign Corrected



Right In: 170.018+/-0.032 χ^2/NDF: 2261101.2/26

Left Out: 196.454+/-0.033 χ^2/NDF:1818746.1/24

Right Out: 168.471+/-0.031 χ^2/NDF: 2998775.4/31

Left In: 178.614+/-0.031 χ^2/NDF:1678859.8/22

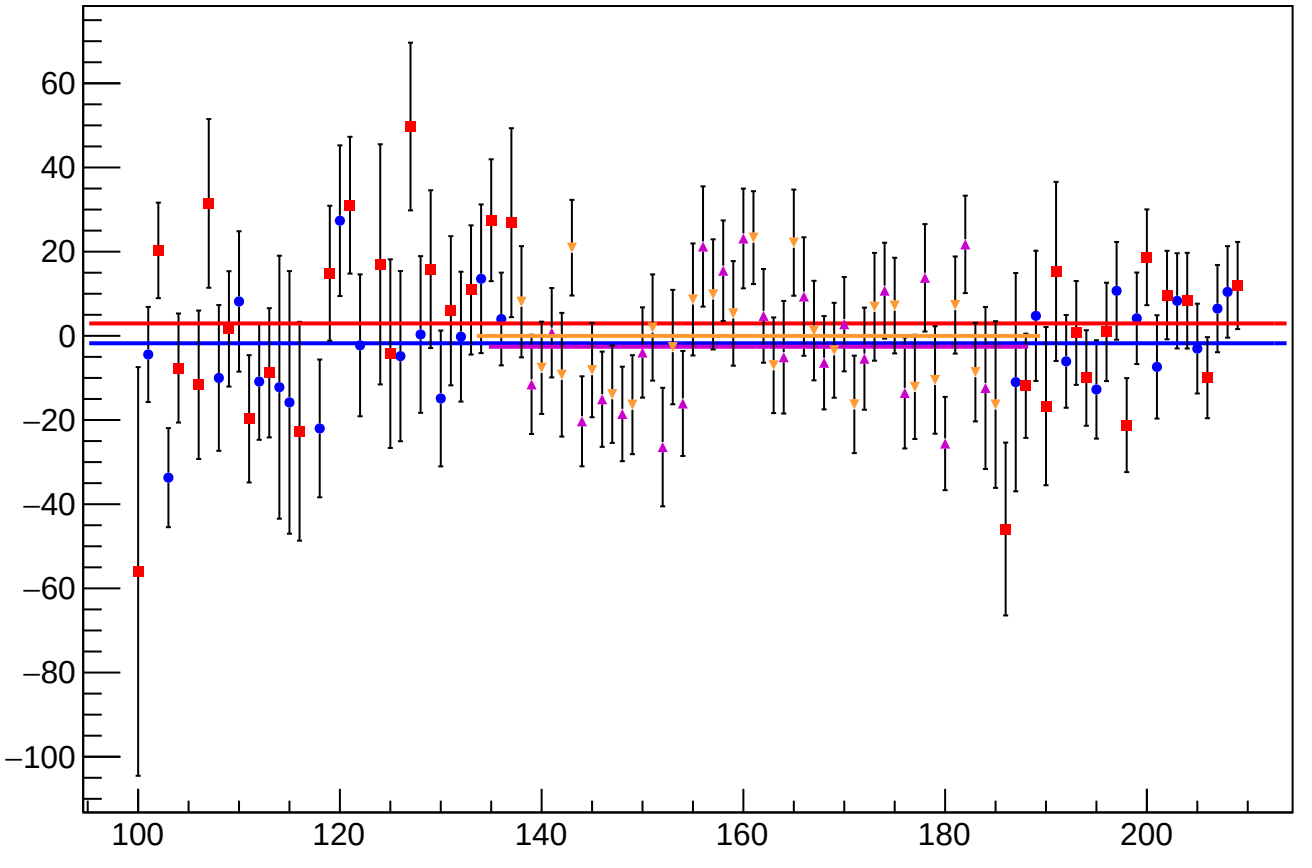
Left: 187.006+/-0.022 χ^2/NDF: 3654827.6/47

Right: 169.217+/-0.022 χ^2/NDF: 5261115.6/58

In: 174.423+/-0.022 χ^2/NDF:3977793.0/49

Out: 181.472+/-0.022 χ^2/NDF:5208557.9/56

All: 177.911+/-0.016 χ^2/NDF: 9236746.8/106



Right In: -1.767+/-2.648 χ^2/NDF: 20.4/26

Left Out: -0.018+/-2.445 χ^2/NDF:23.7/24

Right Out: 2.946+/-2.549 χ^2/NDF: 44.8/31

Left In: -2.591+/-2.506 χ^2/NDF:34.8/22

Left: -1.272+/-1.750 χ^2/NDF: 59.1/47

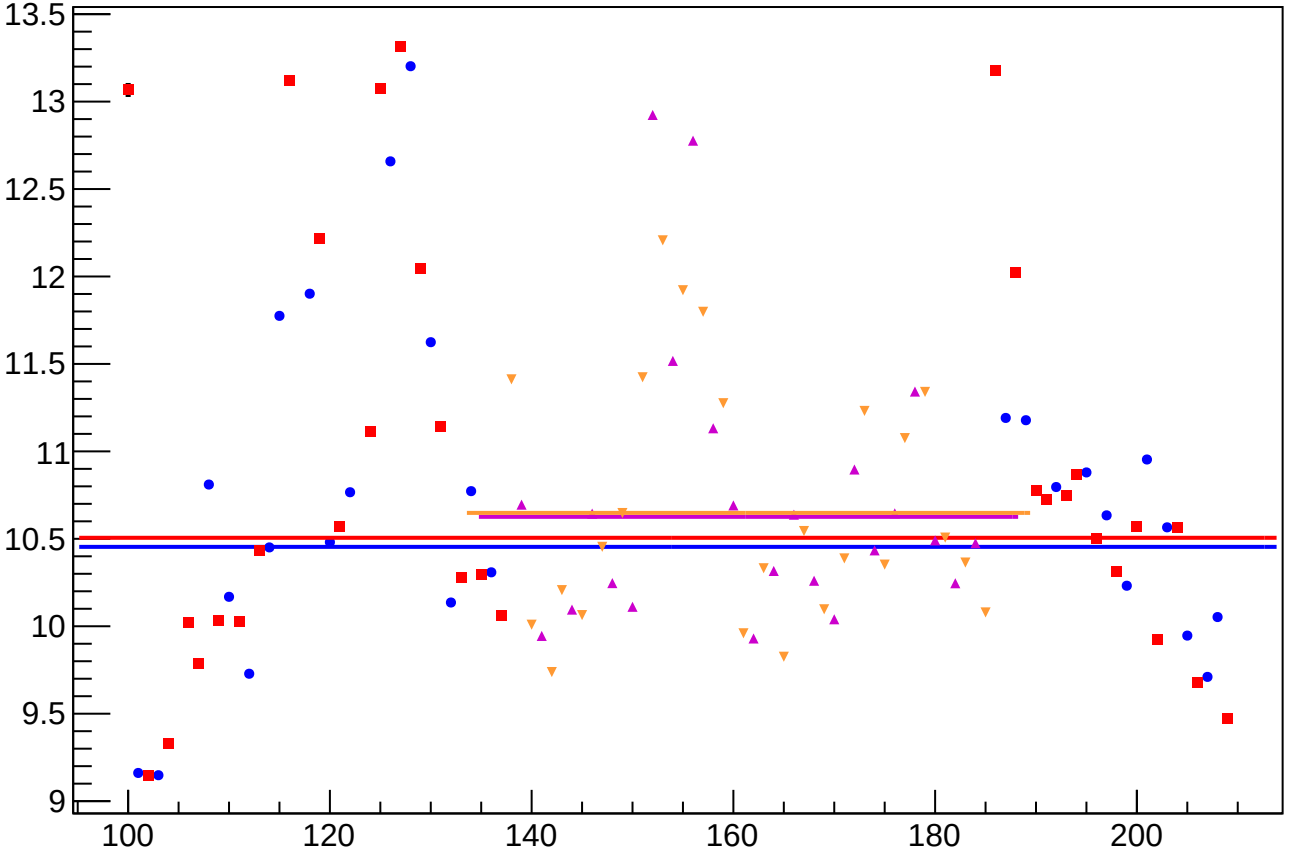
Right: 0.680+/-1.836 χ^2/NDF: 66.8/58

In: -2.202+/-1.820 χ^2/NDF:55.2/49

Out: 1.403+/-1.764 χ^2/NDF:69.3/56

All: -0.343+/-1.267 χ^2/NDF: 126.5/106

asym_bcm_an_us_bcm_an_ds3_agg_dd_rms vs Slug, Sign Corrected



Right In: 10.454+/-0.002 χ^2/NDF: 190350.6/26

Left Out: 10.648+/-0.002 χ^2/NDF:143535.9/24

Right Out: 10.506+/-0.002 χ^2/NDF: 295815.4/31

Left In: 10.626+/-0.002 χ^2/NDF:159543.1/22

Left: 10.637+/-0.001 χ^2/NDF: 303162.3/47

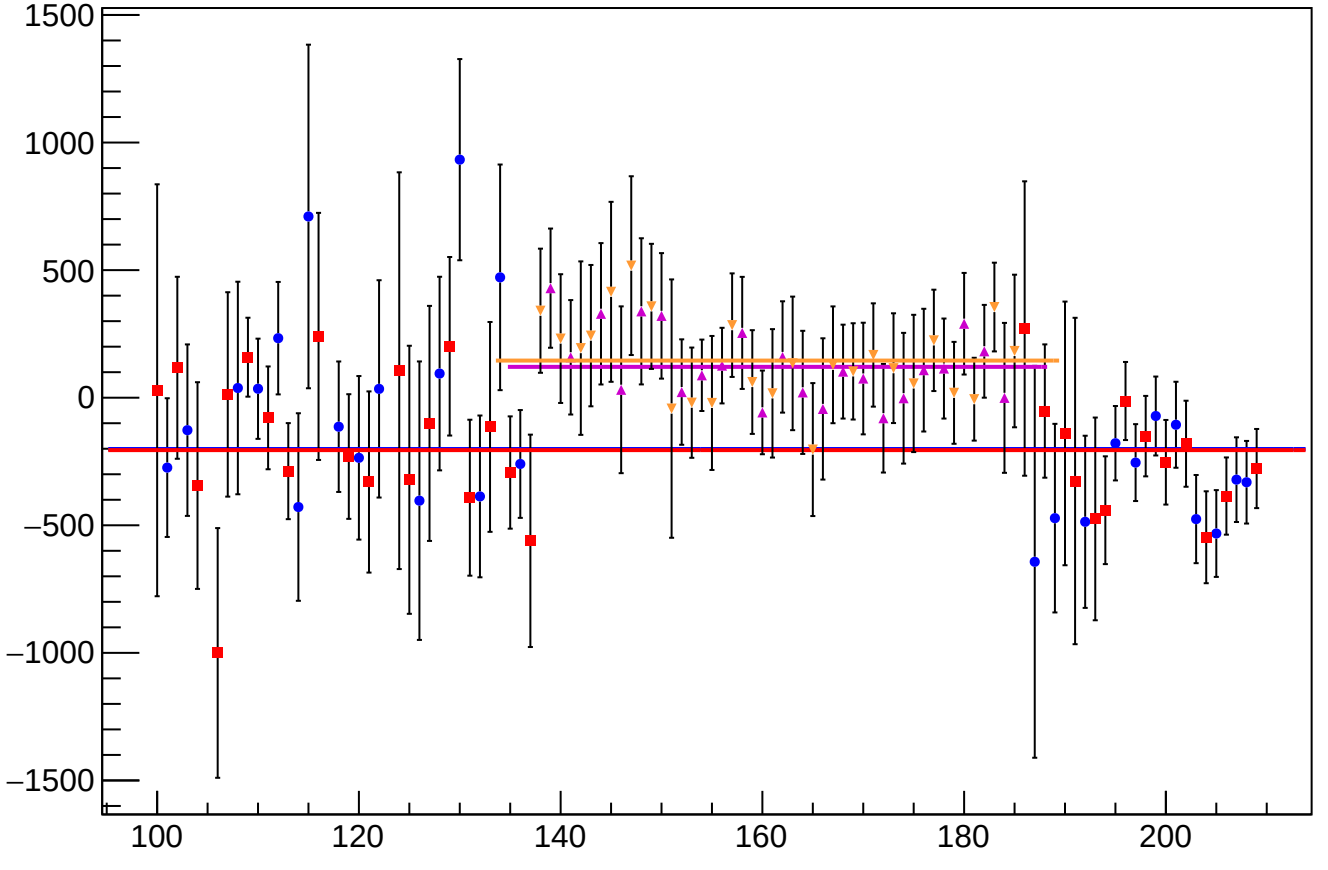
Right: 10.481+/-0.001 χ^2/NDF: 486564.9/58

In: 10.545+/-0.001 χ^2/NDF:354329.2/49

Out: 10.580+/-0.001 χ^2/NDF:442601.9/56

All: 10.563+/-0.001 χ^2/NDF: 797322.8/106

asym_bcm_dg_us_bcm_an_ds_agg_avg_mean vs Slug, Sign Corrected



Right In: -201.156+/-44.834 χ^2/NDF: 30.4/26

Left Out: 145.545+/-46.613 χ^2/NDF:10.3/24

Right Out: -205.408+/-43.279 χ^2/NDF: 23.8/31

Left In: 120.888+/-43.994 χ^2/NDF:8.2/22

Left: 132.504+/-31.994 χ^2/NDF: 18.7/47

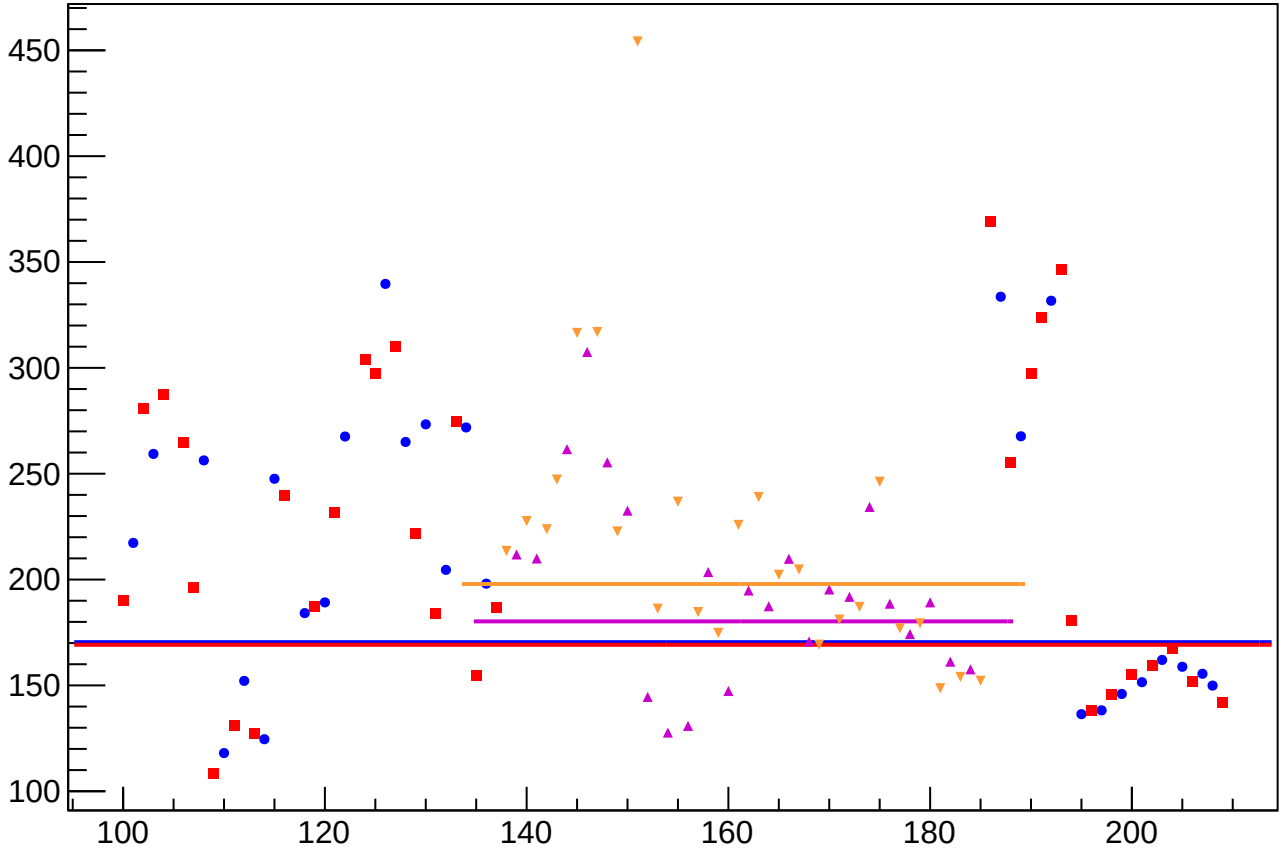
Right: -203.357+/-31.138 χ^2/NDF: 54.2/58

In: -37.090+/-31.401 χ^2/NDF:64.9/49

Out: -42.932+/-31.716 χ^2/NDF:64.5/56

All: -39.982+/-22.315 χ^2/NDF: 129.5/106

asym_bcm_dg_us_bcm_an_ds_agg_avg_rms vs Slug, Sign Corrected



Right In: 170.420+/-0.032 χ^2/NDF: 2254065.3/26

Left Out: 197.890+/-0.033 χ^2/NDF:1788849.3/24

Right Out: 169.197+/-0.031 χ^2/NDF: 2947162.4/31

Left In: 180.248+/-0.031 χ^2/NDF:1627777.0/22

Left: 188.560+/-0.023 χ^2/NDF: 3568150.7/47

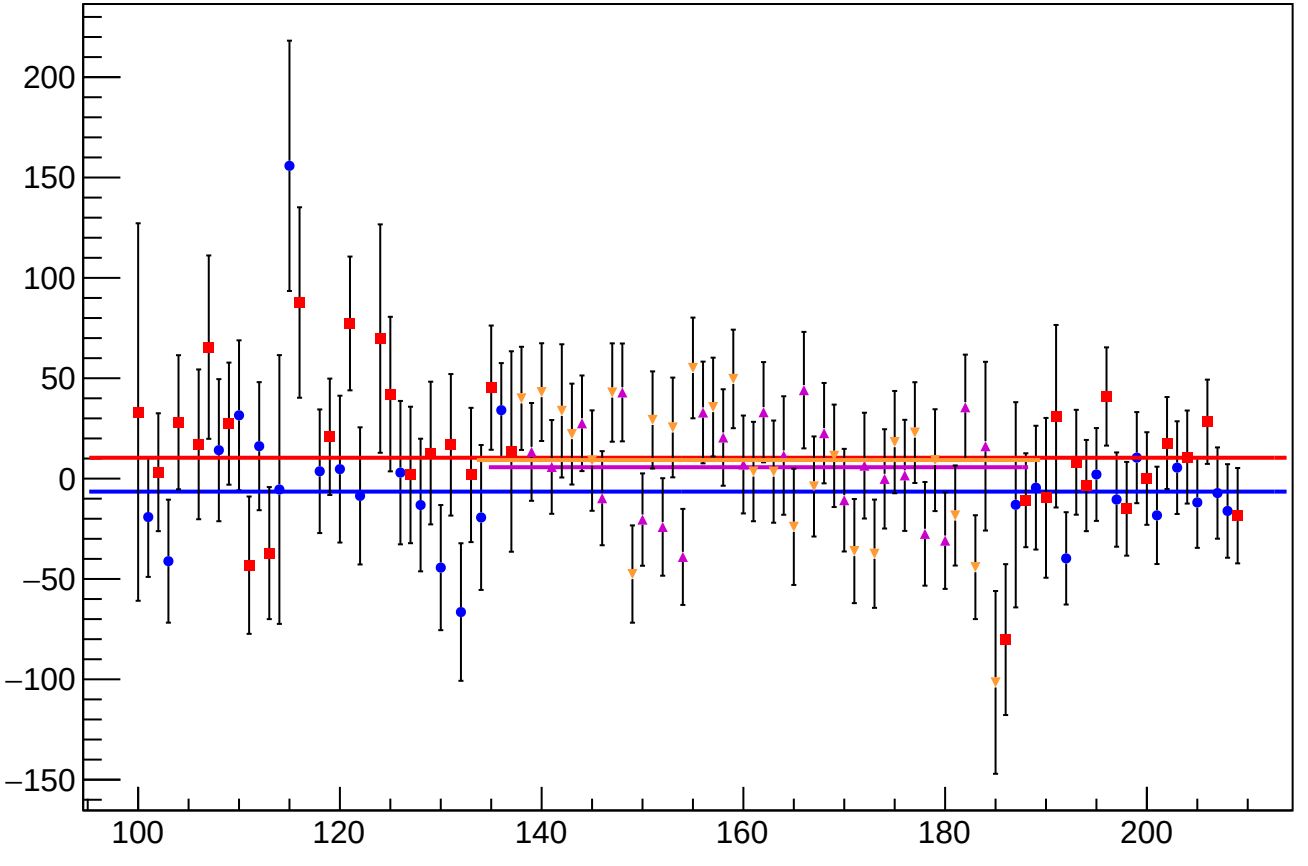
Right: 169.787+/-0.022 χ^2/NDF: 5201997.8/58

In: 175.427+/-0.022 χ^2/NDF:3930800.7/49

Out: 182.481+/-0.022 χ^2/NDF:5142988.8/56

All: 178.919+/-0.016 χ^2/NDF: 9123750.7/106

asym_bcm_dg_us_bcm_an_ds_agg_dd_mean vs Slug, Sign Corrected



Right In: -6.478+/-5.569 χ^2/NDF: 21.7/26

Left Out: 9.234+/-5.162 χ^2/NDF:39.4/24

Right Out: 10.388+/-5.361 χ^2/NDF: 29.5/31

Left In: 5.668+/-5.286 χ^2/NDF:20.8/22

Left: 7.493+/-3.693 χ^2/NDF: 60.5/47

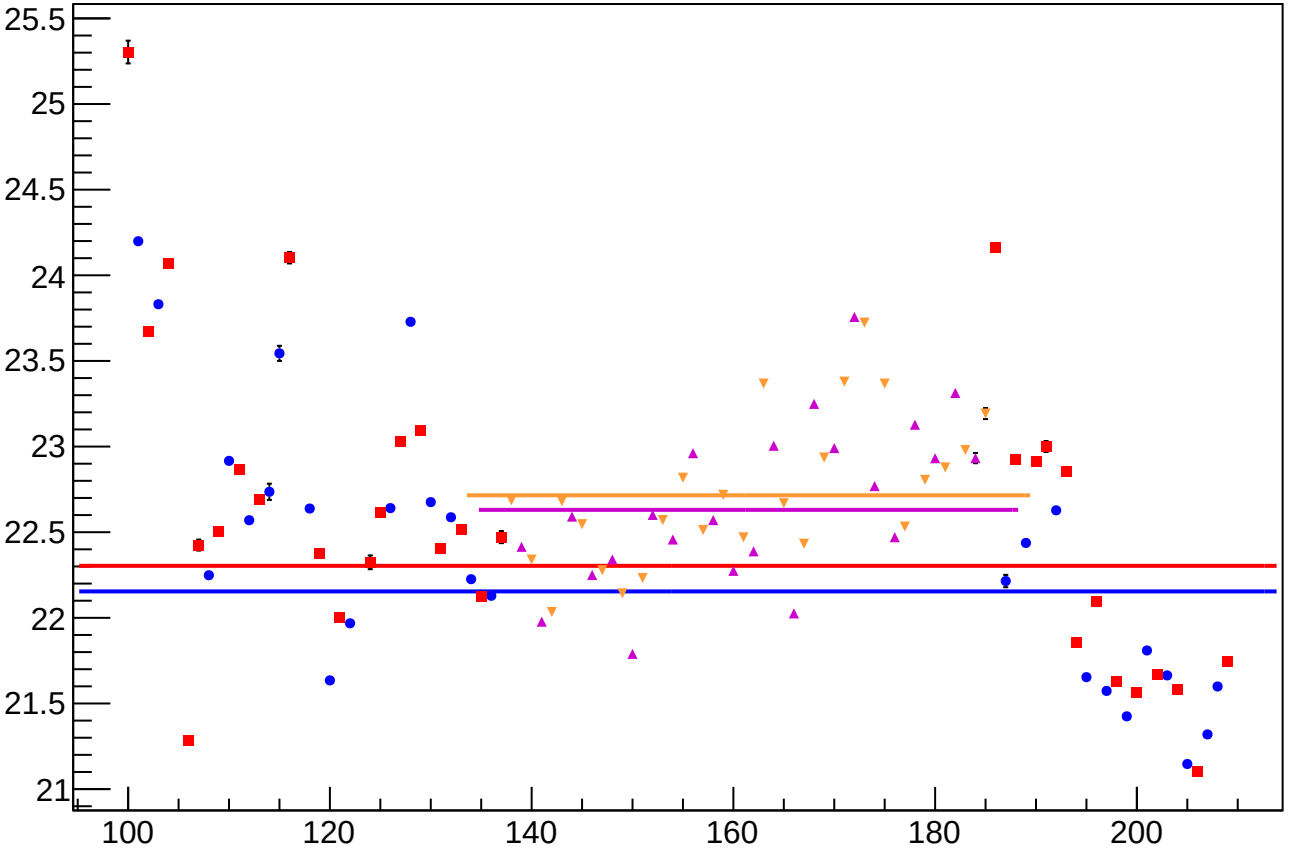
Right: 2.275+/-3.862 χ^2/NDF: 55.9/58

In: -0.089+/-3.834 χ^2/NDF:45.0/49

Out: 9.789+/-3.719 χ^2/NDF:69.0/56

All: 5.001+/-2.669 χ^2/NDF: 117.3/106

asym_bcm_dg_us_bcm_an_ds_agg_dd_rms vs Slug, Sign Corrected



Right In: 22.154+/-0.004 χ^2/NDF: 38817.2/26

Left Out: 22.715+/-0.004 χ^2/NDF:12181.4/24

Right Out: 22.304+/-0.004 χ^2/NDF: 43503.6/31

Left In: 22.631+/-0.004 χ^2/NDF:15391.4/22

Left: 22.674+/-0.003 χ^2/NDF: 27836.9/47

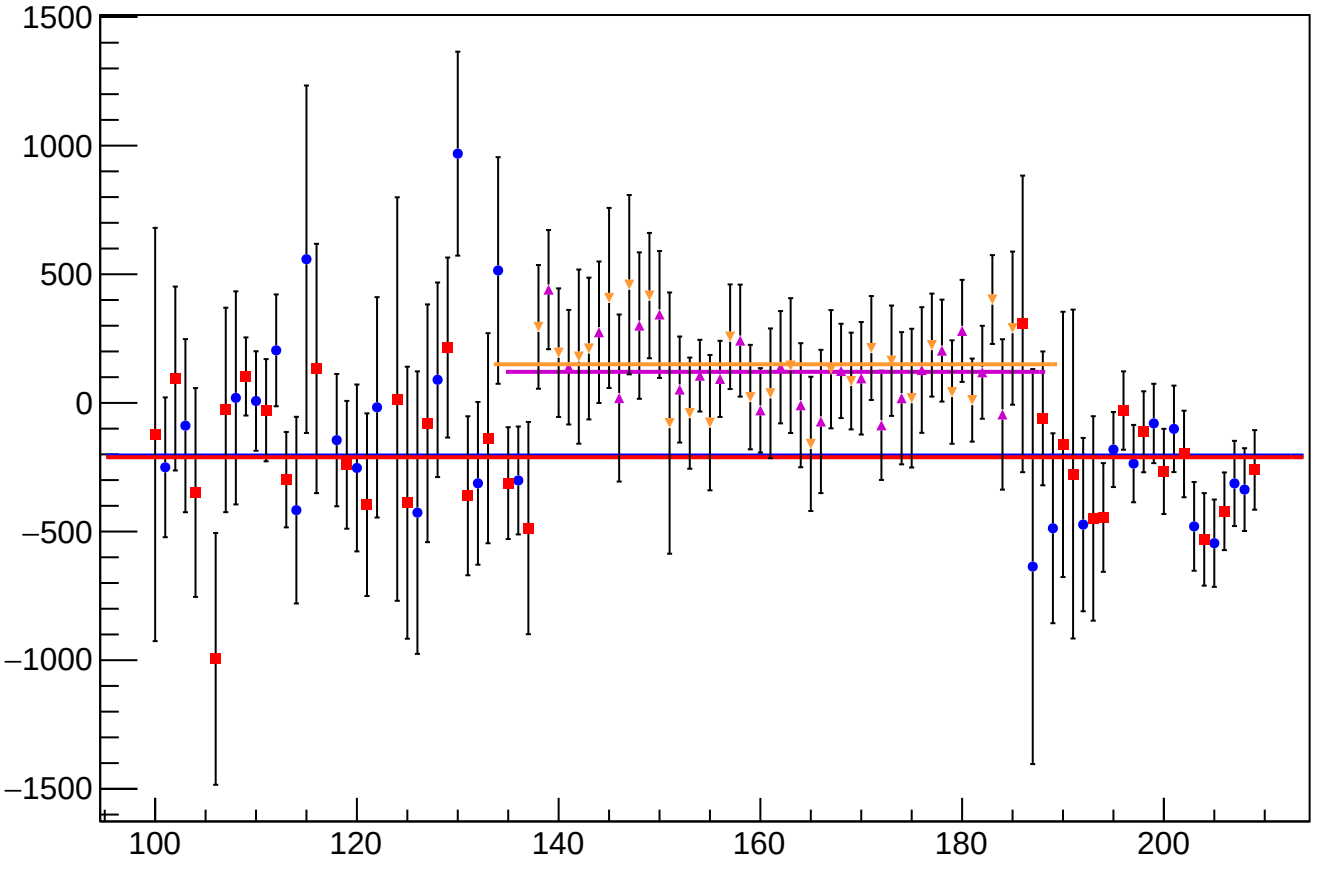
Right: 22.232+/-0.003 χ^2/NDF: 83067.3/58

In: 22.405+/-0.003 χ^2/NDF:61903.0/49

Out: 22.517+/-0.003 χ^2/NDF:61808.3/56

All: 22.463+/-0.002 χ^2/NDF: 124599.1/106

asym_bcm_dg_ds_bcm_an_ds_agg_avg_mean vs Slug, Sign Corrected



Right In: -204.389+/-44.696 χ^2/NDF: 29.9/26

Left Out: 150.218+/-46.535 χ^2/NDF:11.0/24

Right Out: -211.201+/-43.092 χ^2/NDF: 22.3/31

Left In: 120.760+/-43.920 χ^2/NDF:7.9/22

Left: 134.638+/-31.941 χ^2/NDF: 19.1/47

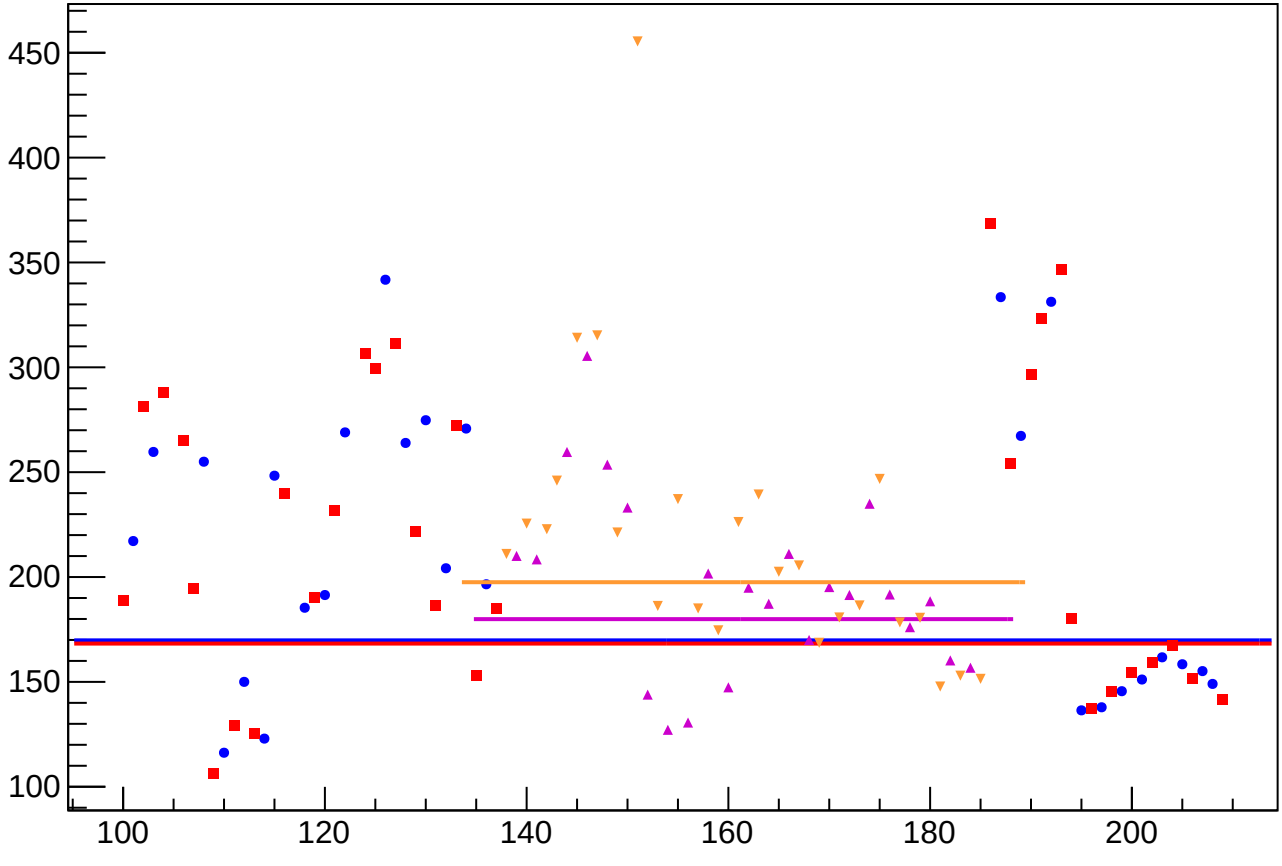
Right: -207.919+/-31.022 χ^2/NDF: 52.3/58

In: -38.968+/-31.327 χ^2/NDF:64.7/49

Out: -44.353+/-31.618 χ^2/NDF:65.8/56

All: -41.636+/-22.254 χ^2/NDF: 130.5/106

asym_bcm_dg_ds_bcm_an_ds_agg_avg_rms vs Slug, Sign Corrected



Right In: 169.799+/-0.032 χ^2/NDF: 2285010.3/26

Left Out: 197.534+/-0.033 χ^2/NDF:1789891.0/24

Right Out: 168.268+/-0.030 χ^2/NDF: 3018454.7/31

Left In: 179.923+/-0.031 χ^2/NDF:1624144.3/22

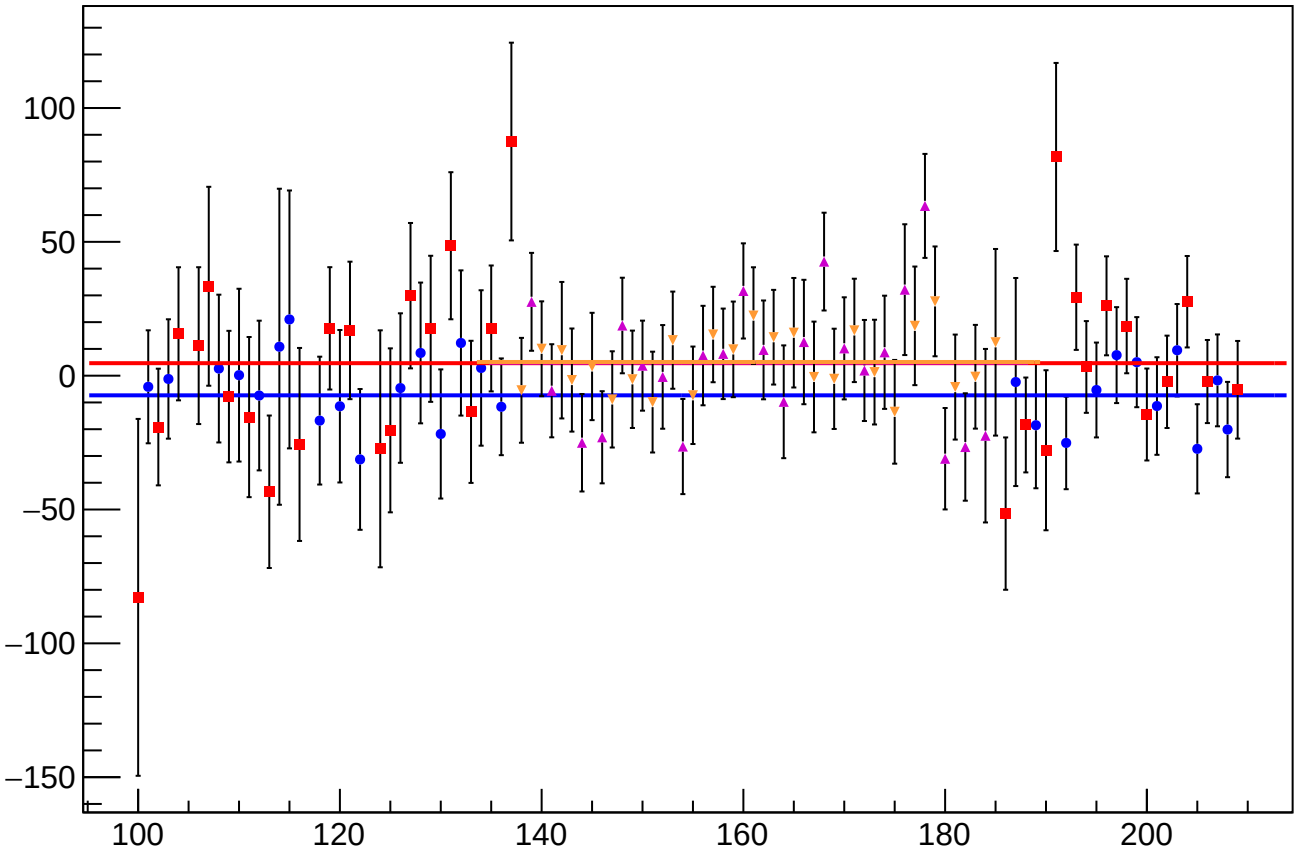
Left: 188.220+/-0.023 χ^2/NDF: 3565525.8/47

Right: 169.005+/-0.022 χ^2/NDF: 5304682.0/58

In: 174.950+/-0.022 χ^2/NDF:3961361.7/49

Out: 181.778+/-0.022 χ^2/NDF:5234215.6/56

All: 178.333+/-0.016 χ^2/NDF: 9242651.2/106



Right In: -7.343+/-4.257 χ^2/NDF: 8.8/26

Left Out: 5.119+/-3.890 χ^2/NDF:7.9/24

Right Out: 4.671+/-4.103 χ^2/NDF: 38.0/31

Left In: 4.858+/-3.980 χ^2/NDF:35.5/22

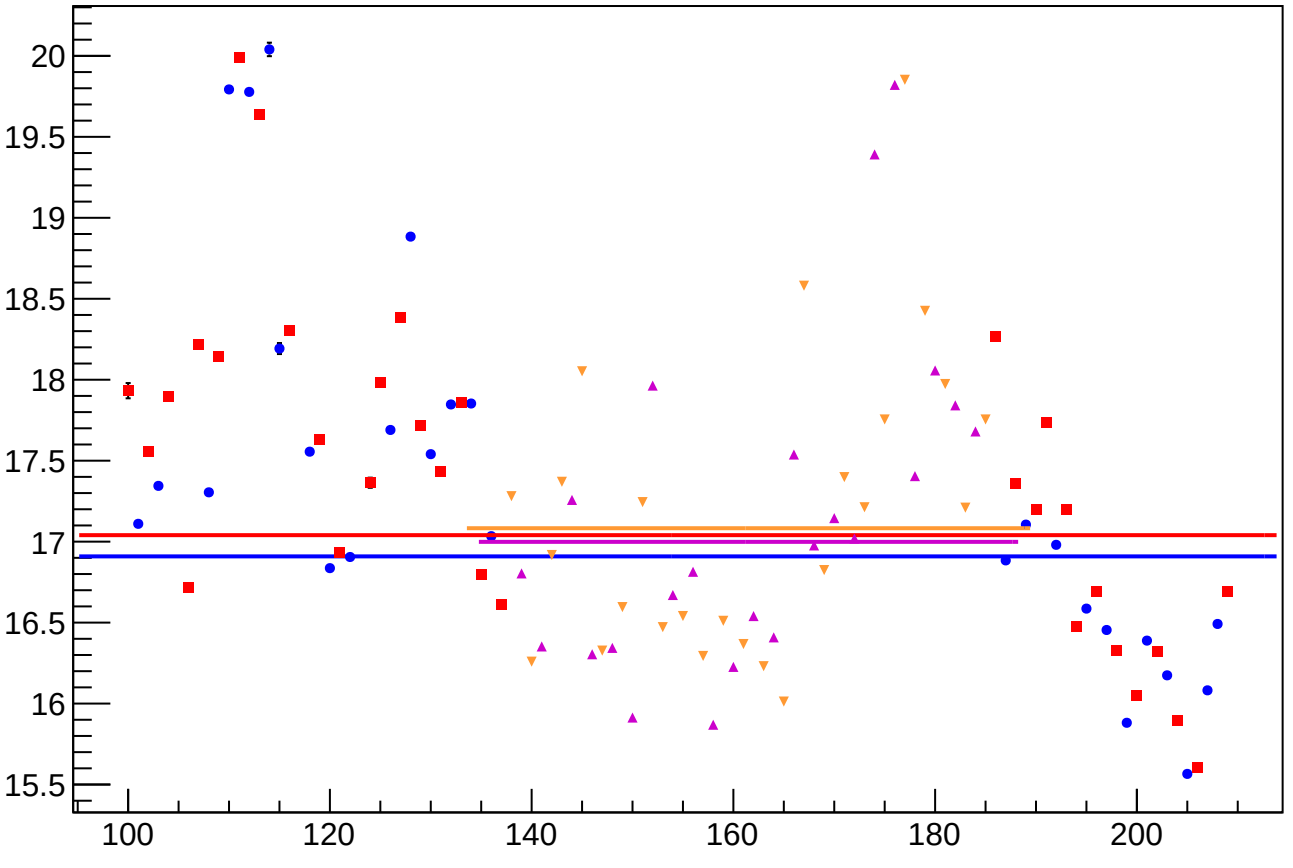
Left: 4.992+/-2.782 χ^2/NDF: 43.4/47

Right: -1.113+/-2.954 χ^2/NDF: 50.9/58

In: -0.832+/-2.908 χ^2/NDF:48.7/49

Out: 4.907+/-2.823 χ^2/NDF:46.0/56

All: 2.122+/-2.025 χ^2/NDF: 96.6/106



Right In: 16.909+/-0.003 χ^2/NDF: 99289.6/26

Left Out: 17.083+/-0.003 χ^2/NDF:96774.9/24

Right Out: 17.040+/-0.003 χ^2/NDF: 109391.1/31

Left In: 16.999+/-0.003 χ^2/NDF:104021.0/22

Left: 17.042+/-0.002 χ^2/NDF: 201253.4/47

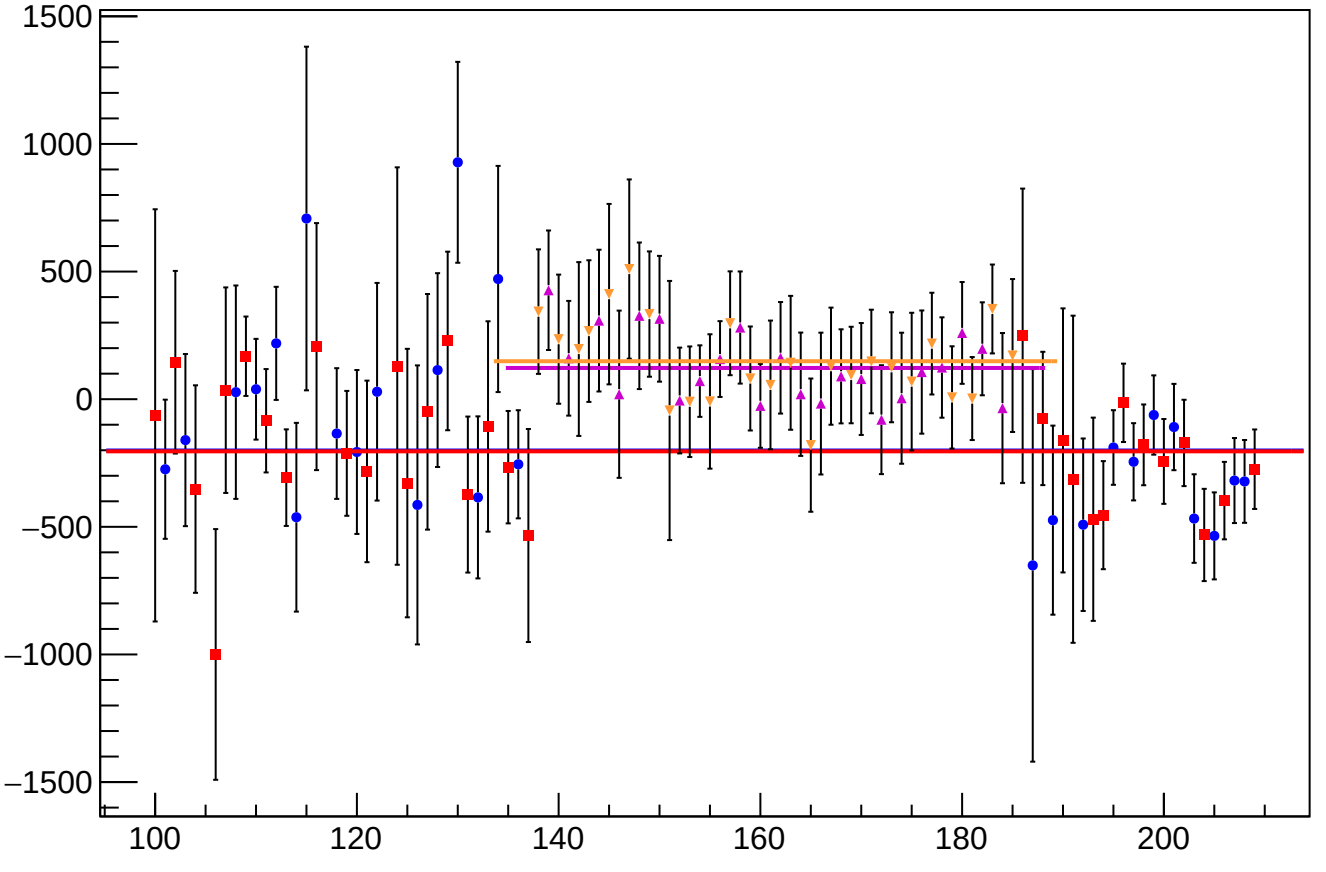
Right: 16.977+/-0.002 χ^2/NDF: 209663.9/58

In: 16.957+/-0.002 χ^2/NDF:203784.8/49

Out: 17.063+/-0.002 χ^2/NDF:206280.6/56

All: 17.011+/-0.001 χ^2/NDF: 411427.6/106

asym_bcm_dg_us_bcm_an_us_agg_avg_mean vs Slug, Sign Corrected



Right In: -201.094+/-44.970 χ^2/NDF: 30.0/26

Left Out: 148.758+/-46.714 χ^2/NDF:9.5/24

Right Out: -204.268+/-43.409 χ^2/NDF: 23.7/31

Left In: 122.376+/-44.081 χ^2/NDF:7.9/22

Left: 134.803+/-32.060 χ^2/NDF: 17.6/47

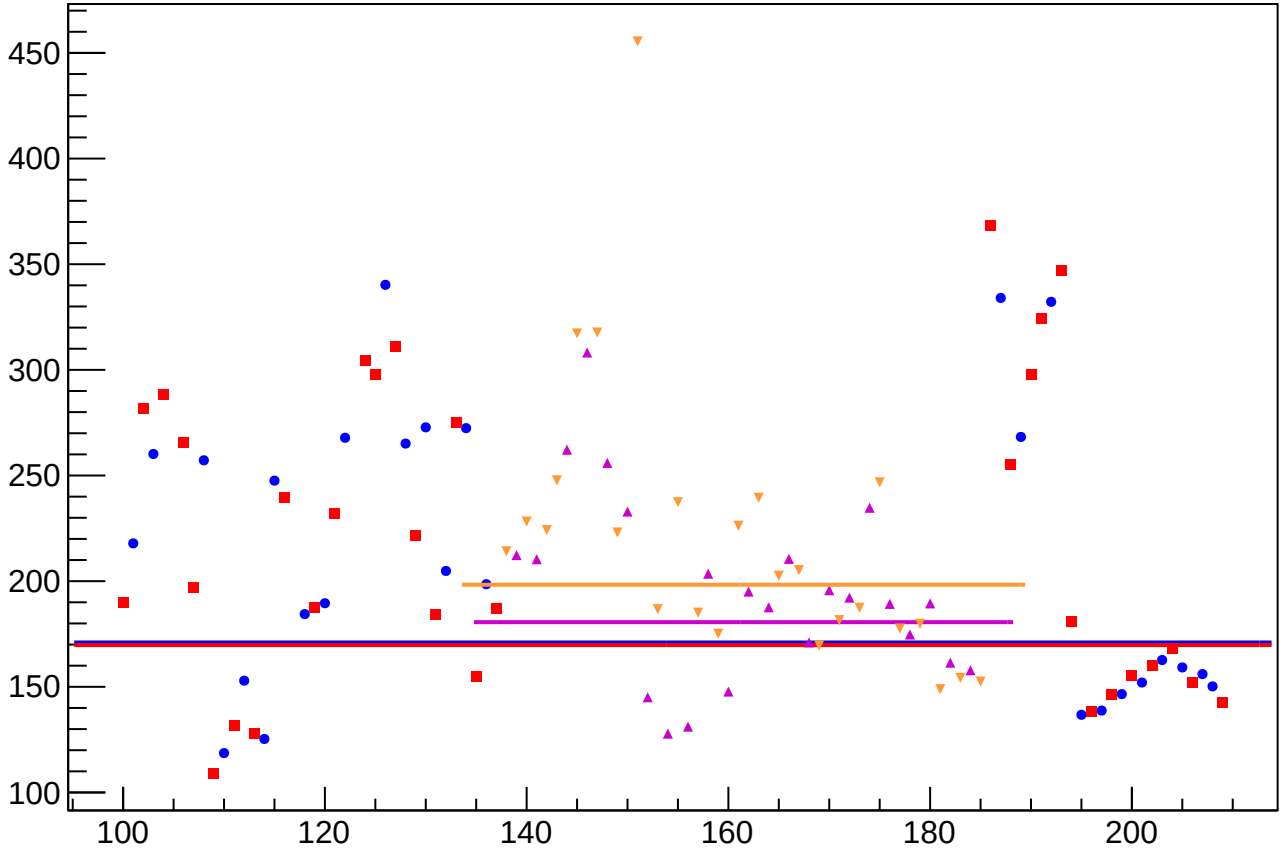
Right: -202.737+/-31.232 χ^2/NDF: 53.7/58

In: -36.129+/-31.480 χ^2/NDF:64.3/49

Out: -40.685+/-31.799 χ^2/NDF:63.9/56

All: -38.384+/-22.372 χ^2/NDF: 128.2/106

asym_bcm_dg_us_bcm_an_us_agg_avg_rms vs Slug, Sign Corrected



Right In: 170.974+/-0.032 χ^2/NDF: 2241758.6/26

Left Out: 198.313+/-0.033 χ^2/NDF:1790279.4/24

Right Out: 169.753+/-0.031 χ^2/NDF: 2929372.8/31

Left In: 180.601+/-0.031 χ^2/NDF:1628072.3/22

Left: 188.944+/-0.023 χ^2/NDF: 3570441.0/47

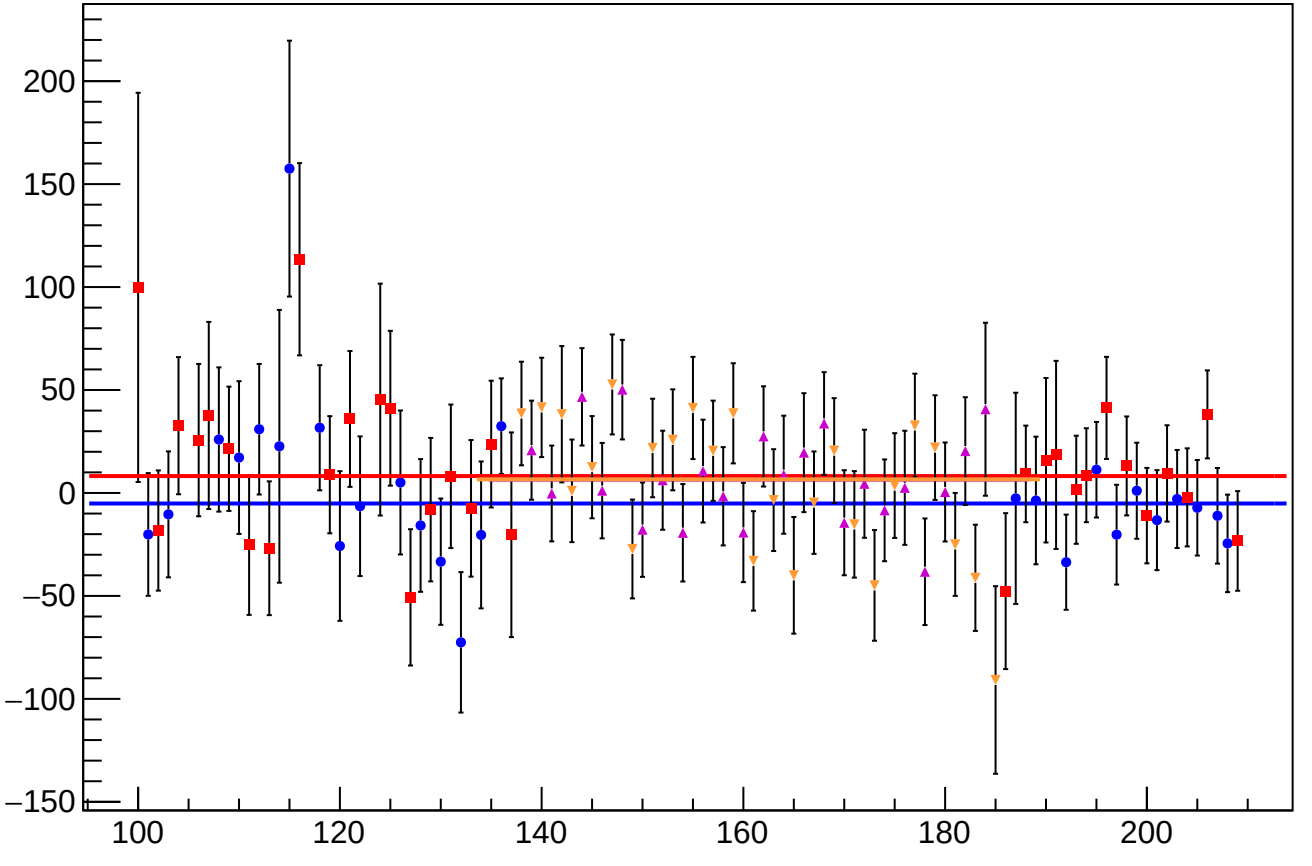
Right: 170.342+/-0.022 χ^2/NDF: 5171894.8/58

In: 175.884+/-0.022 χ^2/NDF:3916580.9/49

Out: 182.987+/-0.022 χ^2/NDF:5120834.7/56

All: 179.399+/-0.016 χ^2/NDF: 9087817.6/106

asym_bcm_dg_us_bcm_an_us_agg_dd_mean vs Slug, Sign Corrected



Right In: -5.117+/-5.597 χ^2/NDF: 22.6/26

Left Out: 6.611+/-5.117 χ^2/NDF:36.9/24

Right Out: 8.201+/-5.377 χ^2/NDF: 25.2/31

Left In: 6.482+/-5.247 χ^2/NDF:17.4/22

Left: 6.548+/-3.663 χ^2/NDF: 54.3/47

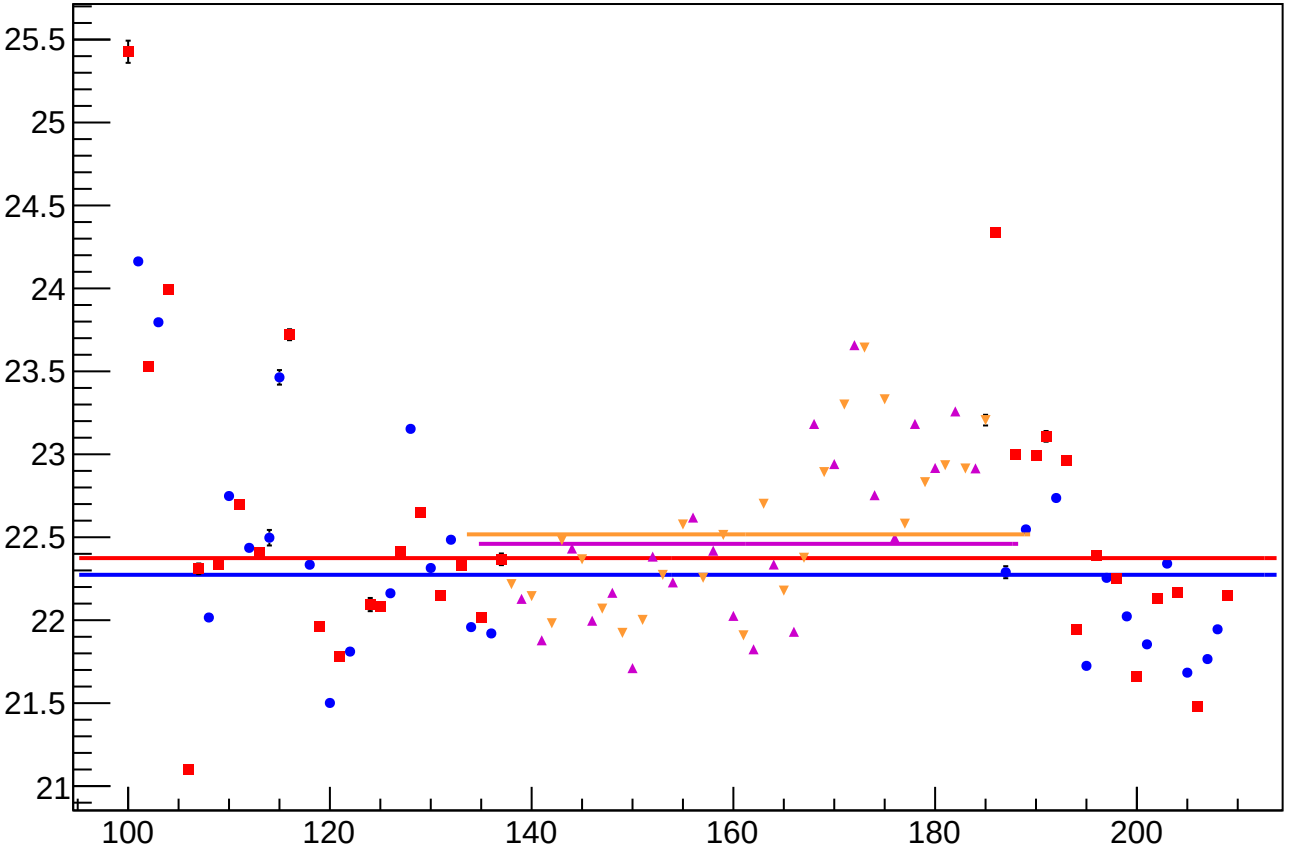
Right: 1.809+/-3.878 χ^2/NDF: 50.7/58

In: 1.057+/-3.828 χ^2/NDF:42.4/49

Out: 7.367+/-3.707 χ^2/NDF:62.1/56

All: 4.313+/-2.663 χ^2/NDF: 105.9/106

asym_bcm_dg_us_bcm_an_us_agg_dd_rms vs Slug, Sign Corrected



Right In: 22.274+/-0.004 χ^2/NDF: 23287.3/26

Left Out: 22.517+/-0.004 χ^2/NDF:16002.5/24

Right Out: 22.374+/-0.004 χ^2/NDF: 31398.2/31

Left In: 22.460+/-0.004 χ^2/NDF:19117.2/22

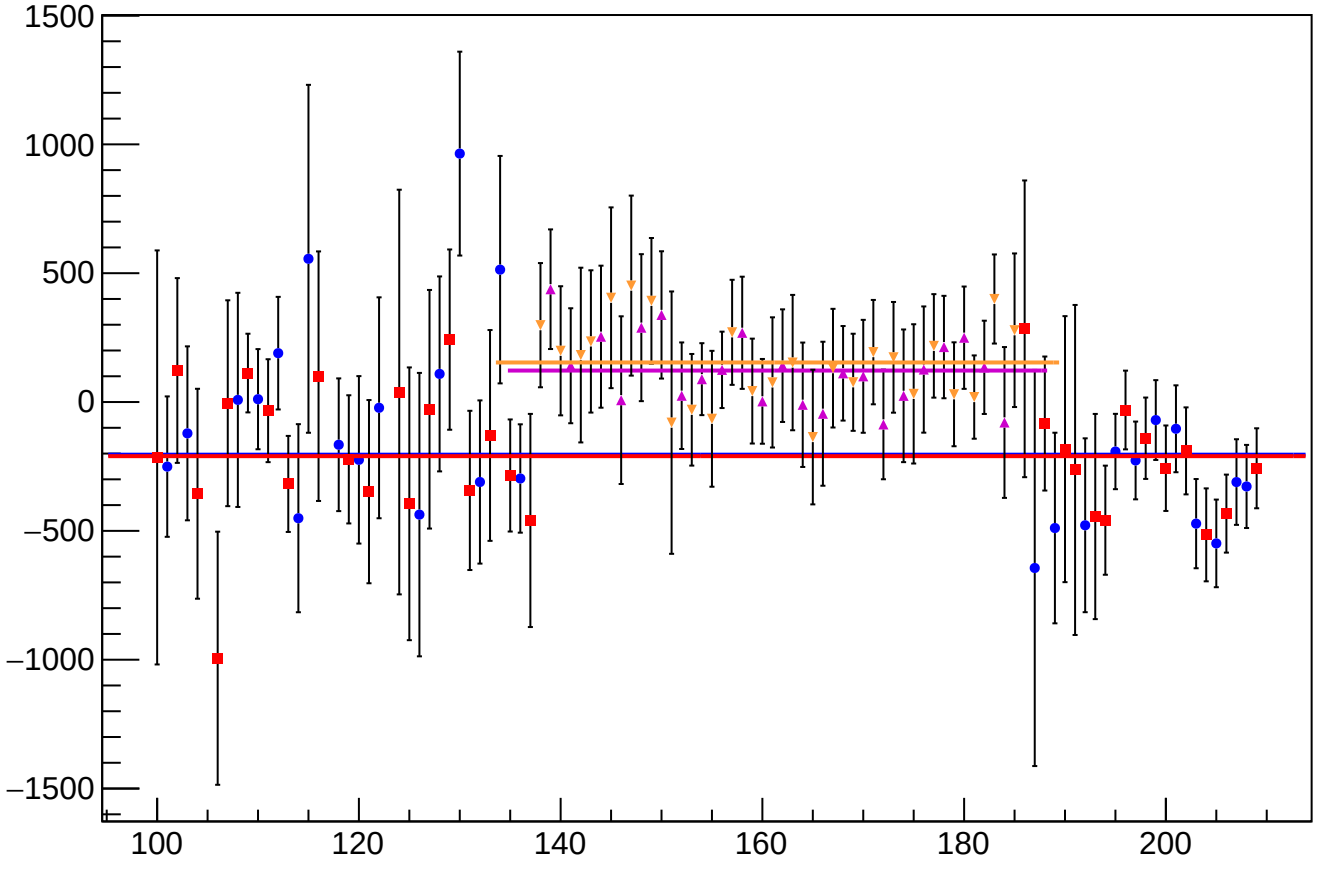
Left: 22.490+/-0.003 χ^2/NDF: 35241.4/47

Right: 22.326+/-0.003 χ^2/NDF: 55022.0/58

In: 22.373+/-0.003 χ^2/NDF:43588.1/49

Out: 22.449+/-0.003 χ^2/NDF:48144.4/56

All: 22.412+/-0.002 χ^2/NDF: 92144.0/106



Right In: -204.349+/-44.833 χ^2/NDF: 29.5/26

Left Out: 153.507+/-46.636 χ^2/NDF:10.1/24

Right Out: -210.086+/-43.224 χ^2/NDF: 22.2/31

Left In: 122.165+/-44.006 χ^2/NDF:7.5/22

Left: 136.928+/-32.006 χ^2/NDF: 17.8/47

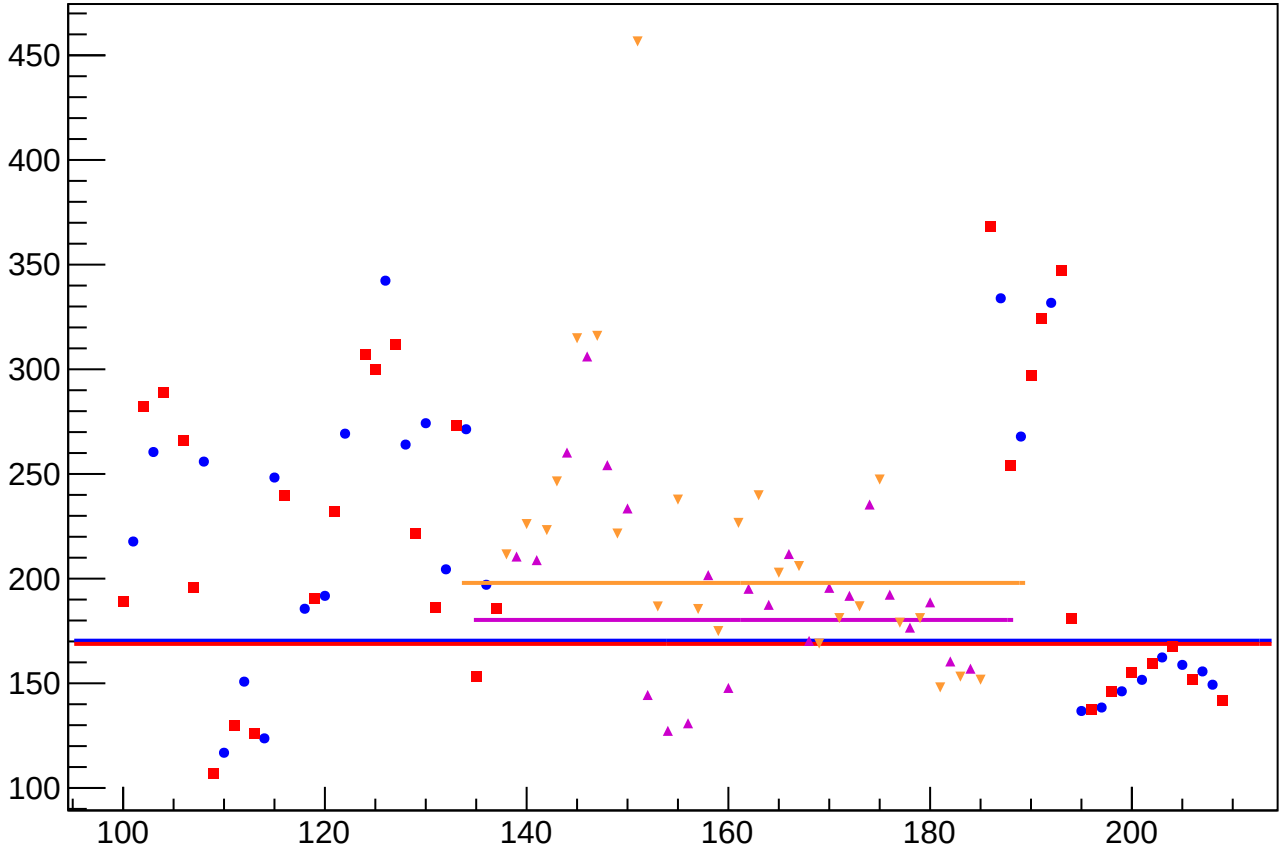
Right: -207.322+/-31.117 χ^2/NDF: 51.7/58

In: -38.052+/-31.405 χ^2/NDF:64.0/49

Out: -42.076+/-31.701 χ^2/NDF:65.0/56

All: -40.045+/-22.311 χ^2/NDF: 128.9/106

asym_bcm_dg_ds_bcm_an_us_agg_avg_rms vs Slug, Sign Corrected



Right In: 170.358+/-0.032 χ^2/NDF: 2272220.3/26

Left Out: 197.957+/-0.033 χ^2/NDF:1791354.6/24

Right Out: 168.830+/-0.031 χ^2/NDF: 2999813.1/31

Left In: 180.274+/-0.031 χ^2/NDF:1624682.7/22

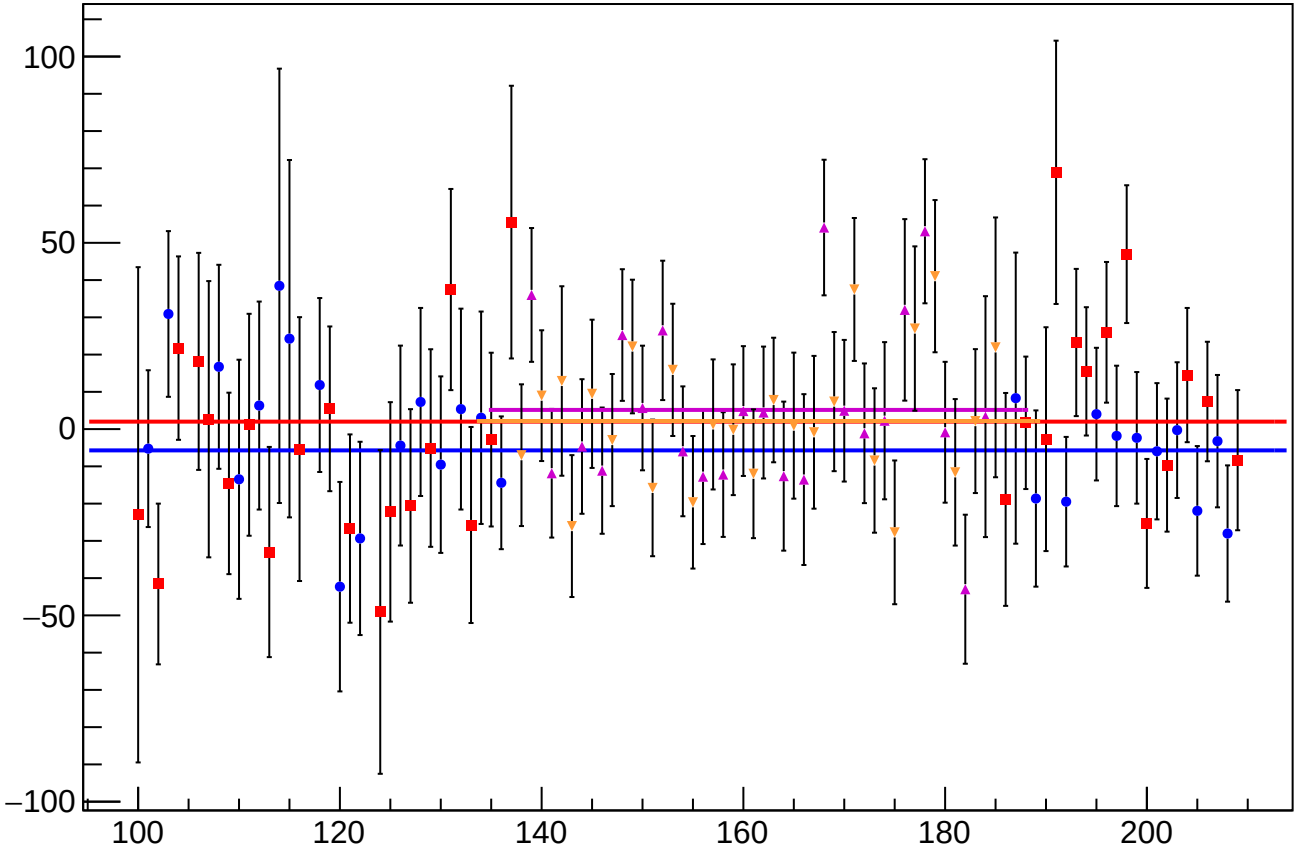
Left: 188.603+/-0.023 χ^2/NDF: 3568141.6/47

Right: 169.566+/-0.022 χ^2/NDF: 5273237.4/58

In: 175.408+/-0.022 χ^2/NDF:3946740.0/49

Out: 182.289+/-0.022 χ^2/NDF:5210844.4/56

All: 178.816+/-0.016 χ^2/NDF: 9205135.3/106



Right In: -5.713+/-4.300 χ^2/NDF: 12.4/26

Left Out: 2.174+/-3.825 χ^2/NDF:20.0/24

Right Out: 2.005+/-4.130 χ^2/NDF: 33.7/31

Left In: 5.150+/-3.924 χ^2/NDF:32.3/22

Left: 3.624+/-2.739 χ^2/NDF: 52.5/47

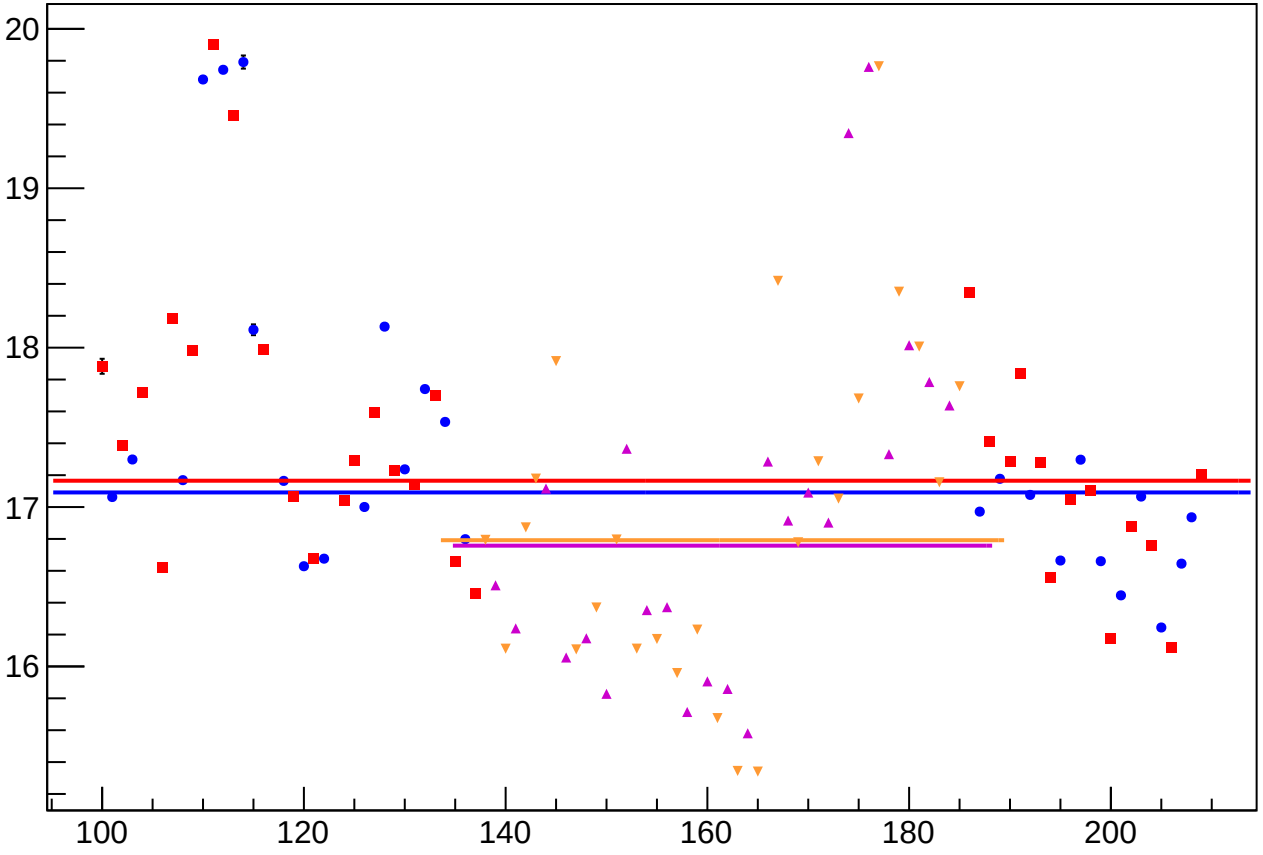
Right: -1.698+/-2.979 χ^2/NDF: 47.7/58

In: 0.215+/-2.899 χ^2/NDF:48.1/49

Out: 2.096+/-2.806 χ^2/NDF:53.7/56

All: 1.186+/-2.016 χ^2/NDF: 102.0/106

asym_bcm_dg_ds_bcm_an_us_agg_dd_rms vs Slug, Sign Corrected



Right In: 17.092+/-0.003 χ^2/NDF: 54502.3/26

Left Out: 16.792+/-0.003 χ^2/NDF:137000.5/24

Right Out: 17.165+/-0.003 χ^2/NDF: 64793.8/31

Left In: 16.758+/-0.003 χ^2/NDF:123306.8/22

Left: 16.775+/-0.002 χ^2/NDF: 260385.1/47

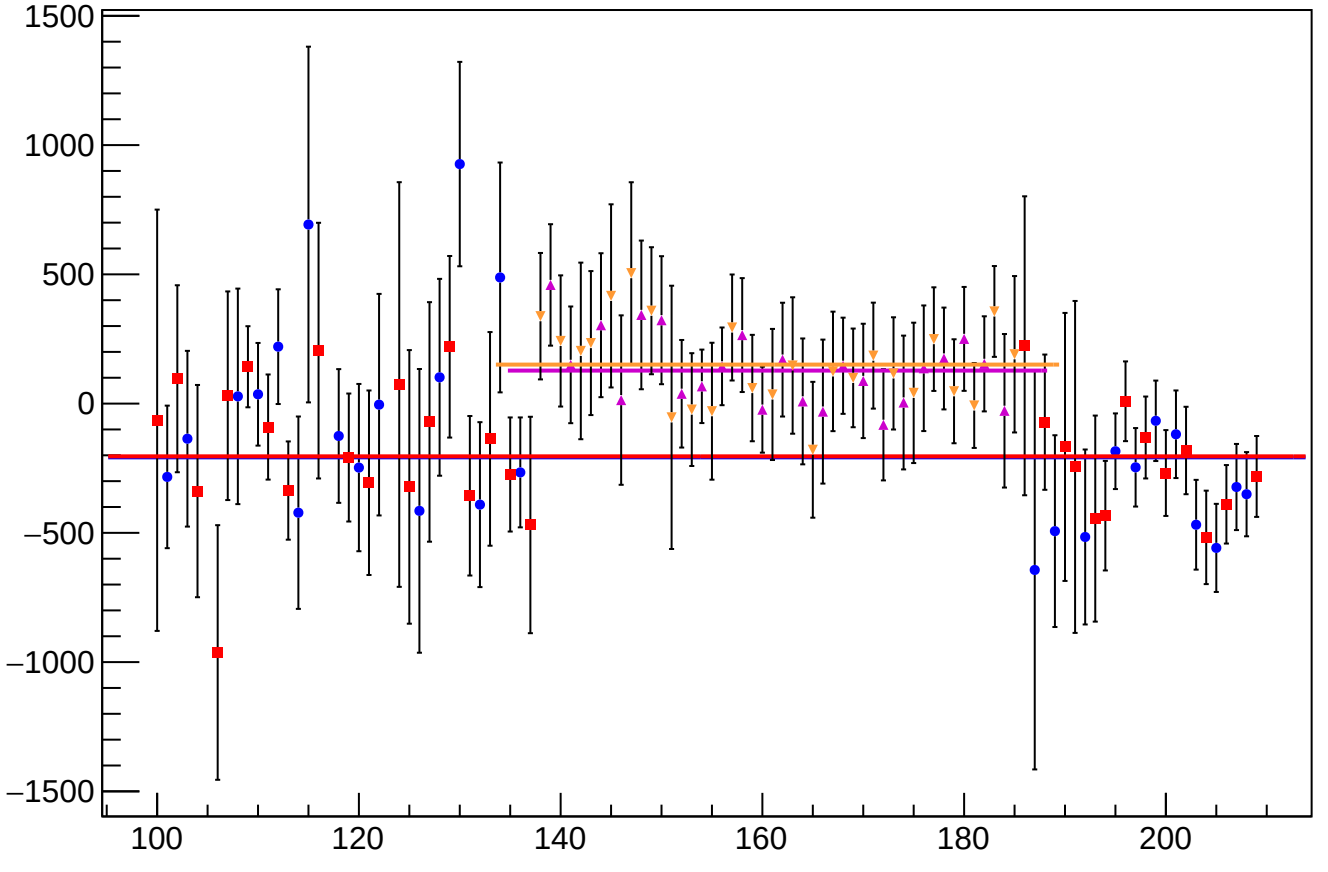
Right: 17.130+/-0.002 χ^2/NDF: 119600.2/58

In: 16.909+/-0.002 χ^2/NDF:184388.0/49

Out: 16.964+/-0.002 χ^2/NDF:210586.3/56

All: 16.938+/-0.001 χ^2/NDF: 395343.3/106

asym_bcm_dg_us_bcm_dg_ds_agg_avg_mean vs Slug, Sign Corrected



Right In: -207.913+/-45.113 χ^2/NDF: 30.6/26

Left Out: 150.884+/-47.035 χ^2/NDF:10.0/24

Right Out: -204.017+/-43.563 χ^2/NDF: 21.9/31

Left In: 127.710+/-44.426 χ^2/NDF:7.8/22

Left: 138.637+/-32.297 χ^2/NDF: 17.9/47

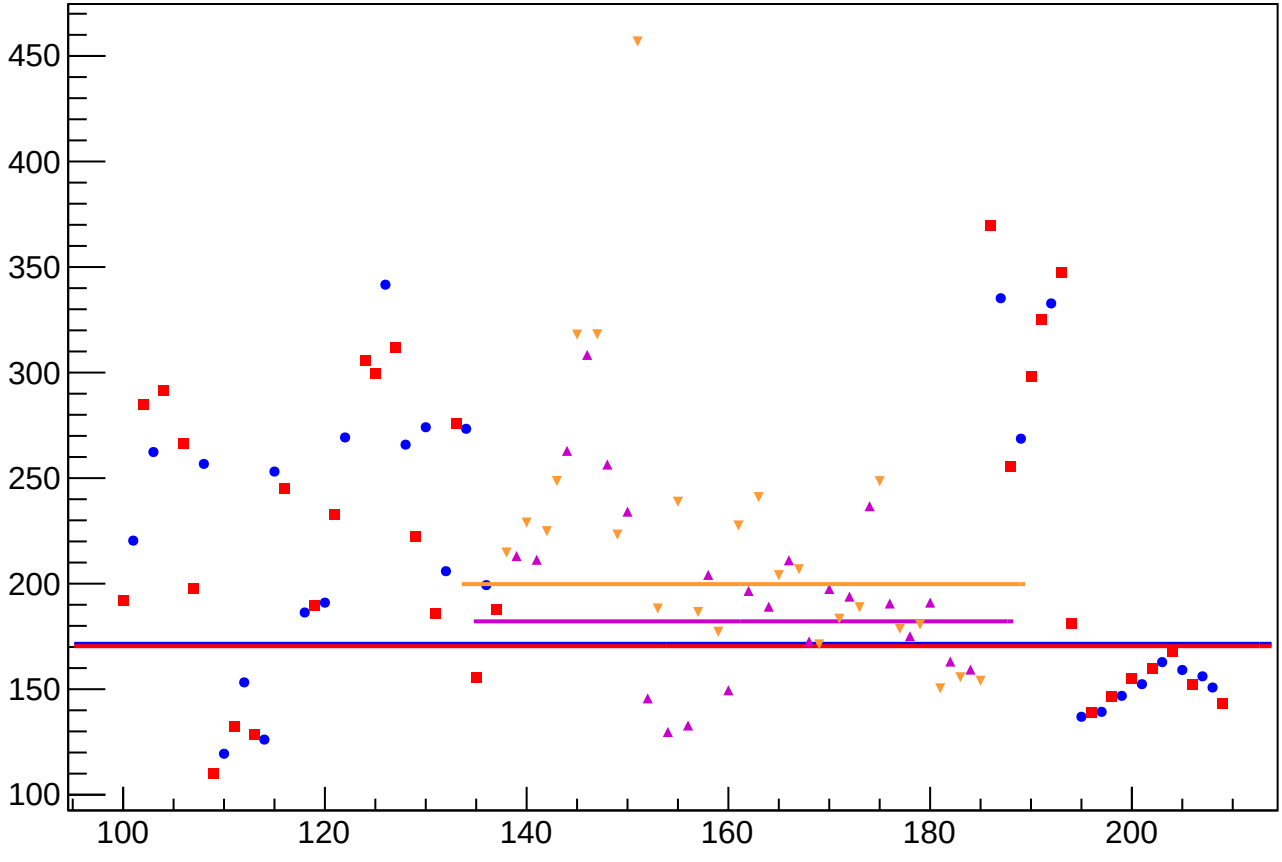
Right: -205.897+/-31.337 χ^2/NDF: 52.5/58

In: -37.527+/-31.654 χ^2/NDF:66.5/49

Out: -40.147+/-31.961 χ^2/NDF:62.5/56

All: -38.825+/-22.490 χ^2/NDF: 129.0/106

asym_bcm_dg_us_bcm_dg_ds_agg_avg_rms vs Slug, Sign Corrected



Right In: 171.497+/-0.032 χ^2/NDF: 2252234.1/26

Left Out: 199.785+/-0.033 χ^2/NDF:1760326.2/24

Right Out: 170.376+/-0.031 χ^2/NDF: 2932434.1/31

Left In: 182.150+/-0.031 χ^2/NDF:1584358.1/22

Left: 190.465+/-0.023 χ^2/NDF: 3493266.0/47

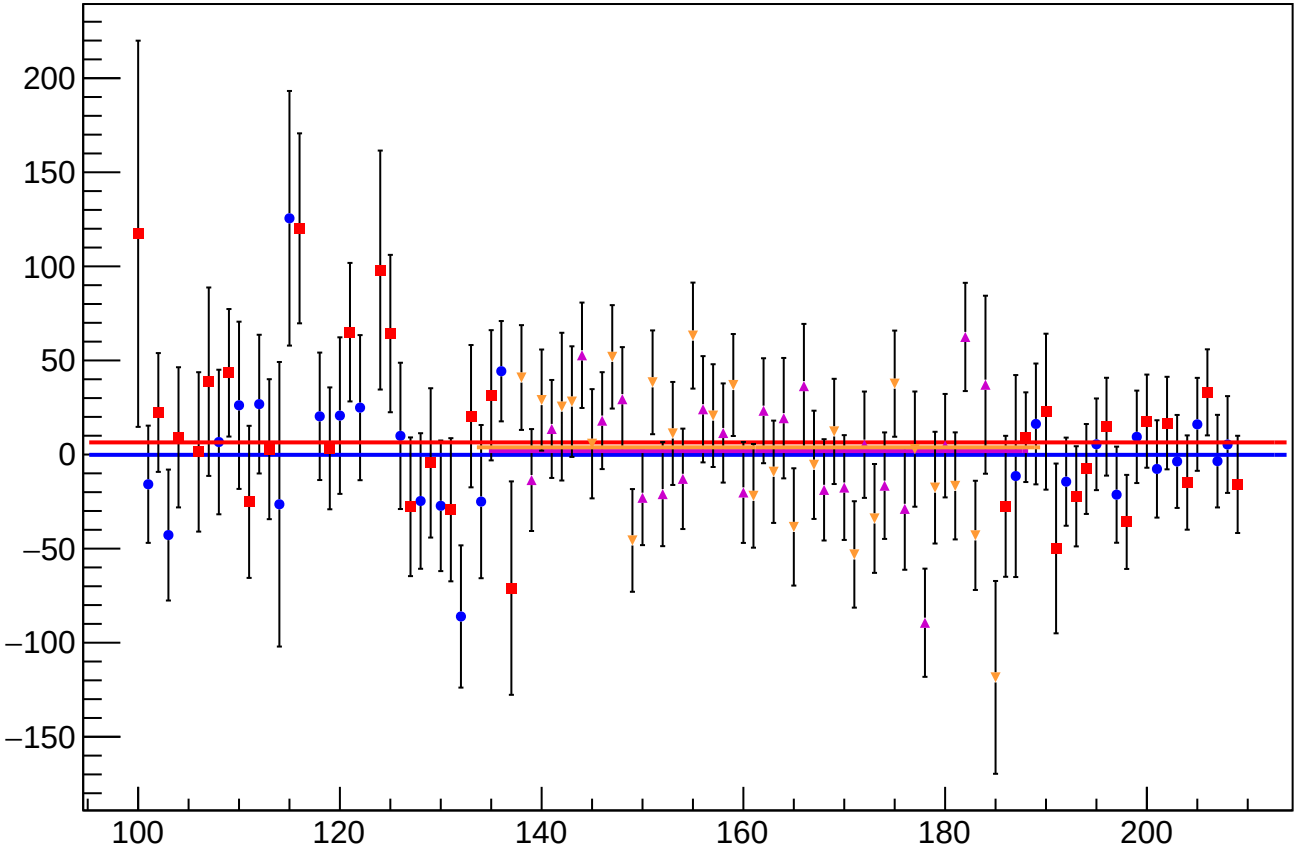
Right: 170.917+/-0.022 χ^2/NDF: 5185306.8/58

In: 176.905+/-0.022 χ^2/NDF:3893213.5/49

Out: 183.955+/-0.023 χ^2/NDF:5113619.1/56

All: 180.396+/-0.016 χ^2/NDF: 9055956.5/106

asym_bcm_dg_us_bcm_dg_ds_agg_dd_mean vs Slug, Sign Corrected



Right In: -0.161+/-6.062 χ^2/NDF: 18.9/26

Left Out: 3.831+/-5.789 χ^2/NDF:37.6/24

Right Out: 6.449+/-5.786 χ^2/NDF: 29.9/31

Left In: 1.850+/-5.893 χ^2/NDF:28.1/22

Left: 2.858+/-4.130 χ^2/NDF: 65.7/47

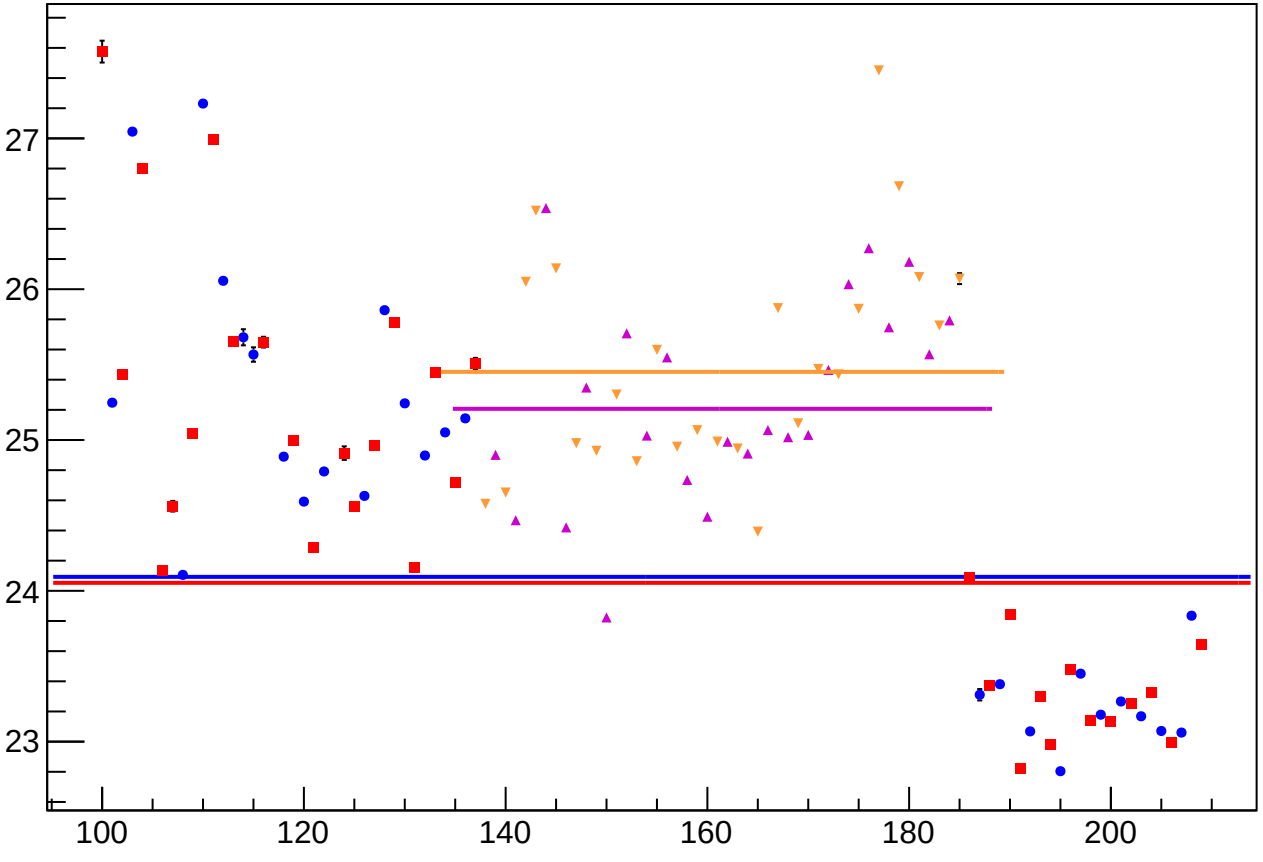
Right: 3.298+/-4.185 χ^2/NDF: 49.4/58

In: 0.873+/-4.225 χ^2/NDF:47.0/49

Out: 5.140+/-4.092 χ^2/NDF:67.6/56

All: 3.075+/-2.940 χ^2/NDF: 115.1/106

asym_bcm_dg_us_bcm_dg_ds_agg_dd_rms vs Slug, Sign Corrected



Right In: 24.093+/-0.004 χ^2/NDF: 76053.9/26

Left Out: 25.452+/-0.004 χ^2/NDF:29612.4/24

Right Out: 24.053+/-0.004 χ^2/NDF: 71305.4/31

Left In: 25.207+/-0.004 χ^2/NDF:25827.4/22

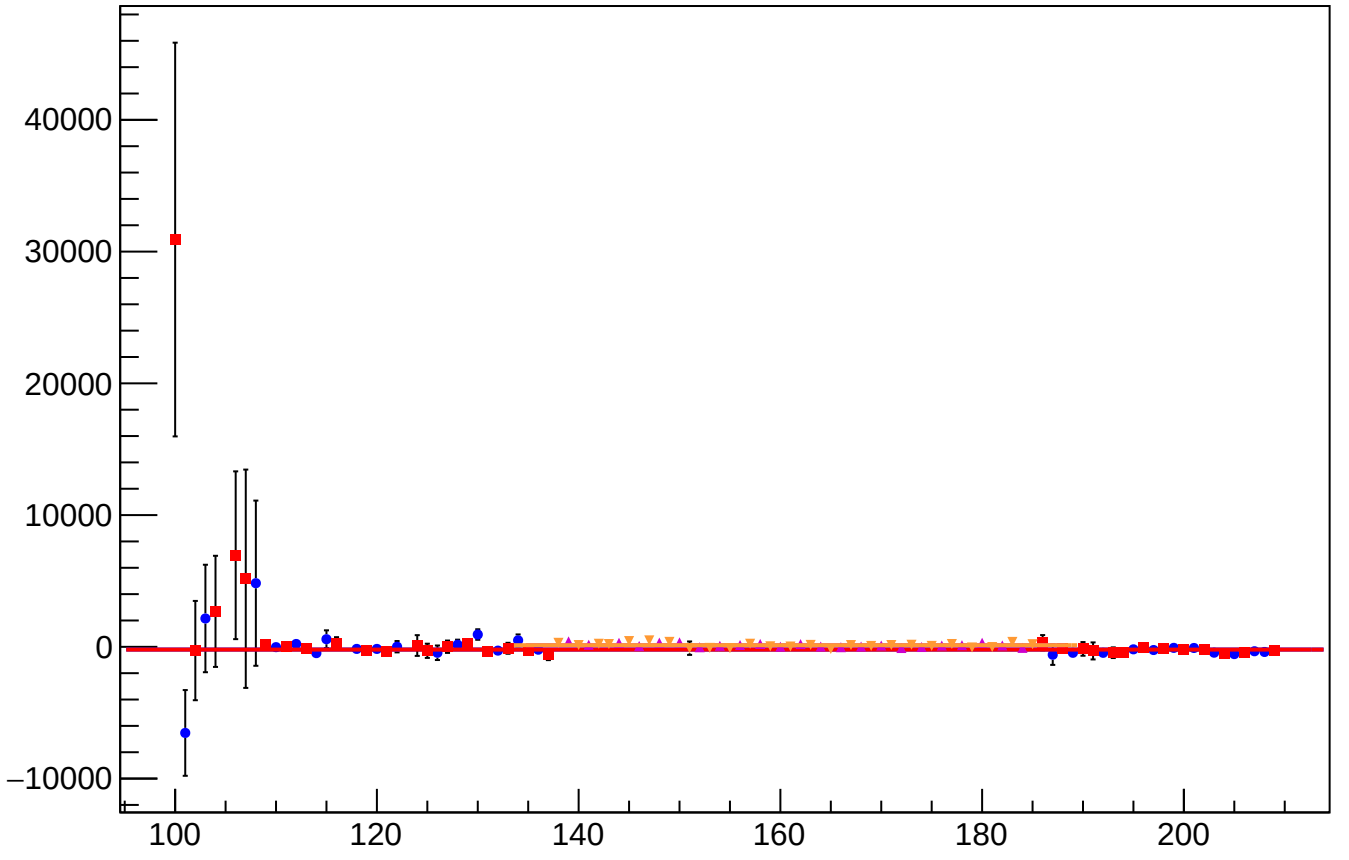
Left: 25.332+/-0.003 χ^2/NDF: 57199.0/47

Right: 24.072+/-0.003 χ^2/NDF: 147404.0/58

In: 24.665+/-0.003 χ^2/NDF:136619.5/49

Out: 24.752+/-0.003 χ^2/NDF:159335.2/56

All: 24.710+/-0.002 χ^2/NDF: 296388.8/106



Right In: -205.764+/-47.225 χ^2/NDF: 33.3/26

Left Out: 125.161+/-46.925 χ^2/NDF:11.1/24

Right Out: -209.570+/-46.139 χ^2/NDF: 24.7/31

Left In: 117.291+/-44.871 χ^2/NDF:8.0/22

Left: 121.050+/-32.431 χ^2/NDF: 19.1/47

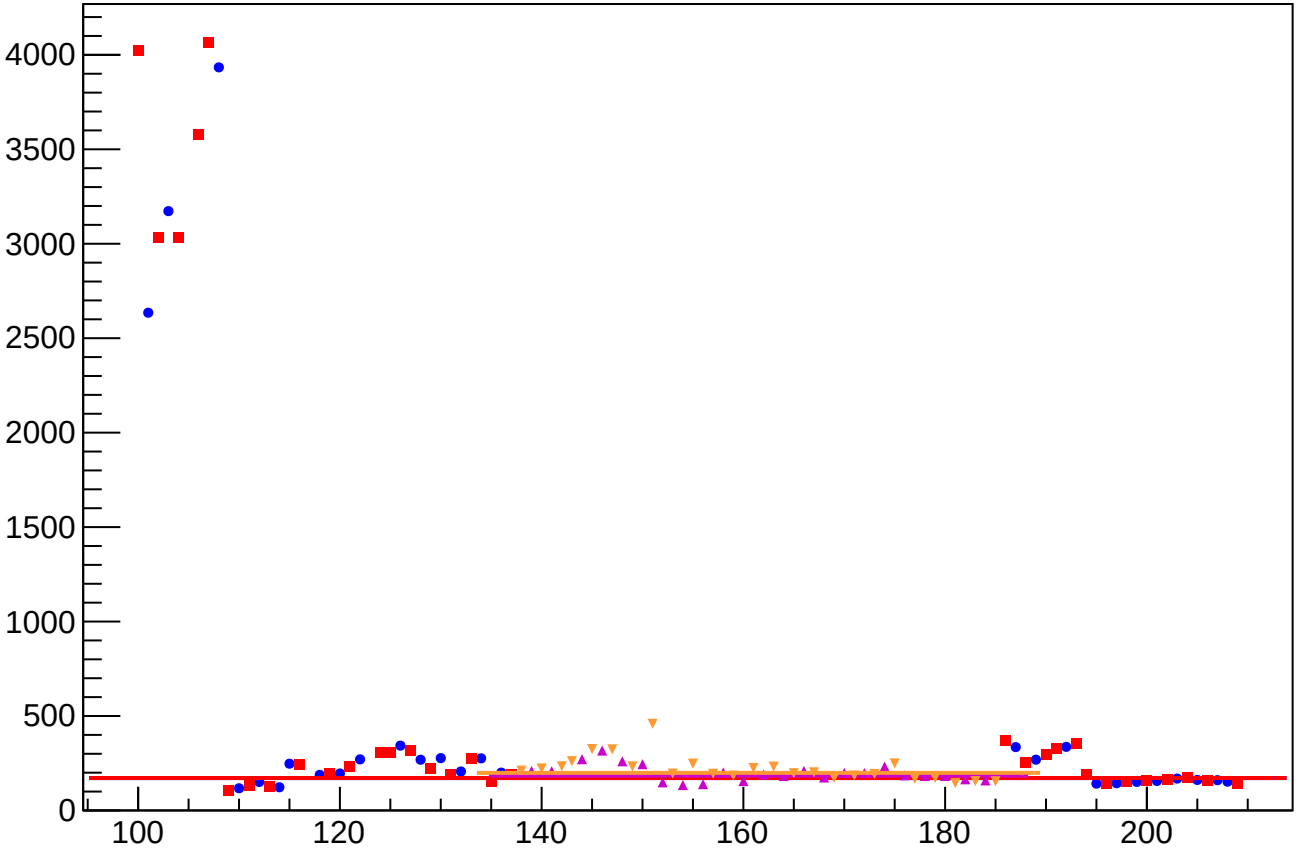
Right: -207.712+/-33.002 χ^2/NDF: 58.0/58

In: -35.986+/-32.529 χ^2/NDF:65.9/49

Out: -45.033+/-32.900 χ^2/NDF:61.6/56

All: -40.458+/-23.131 χ^2/NDF: 127.6/106

asym_bcm_cav4cQ_bcm_an_us_agg_avg_rms vs Slug, Sign Corrected



Right In: 171.508+/-0.033 χ^2/NDF: 4856617.7/26

Left Out: 198.994+/-0.033 χ^2/NDF:1902155.1/24

Right Out: 171.601+/-0.033 χ^2/NDF: 5575005.0/31

Left In: 184.399+/-0.032 χ^2/NDF:1446306.0/22

Left: 191.370+/-0.023 χ^2/NDF: 3449526.4/47

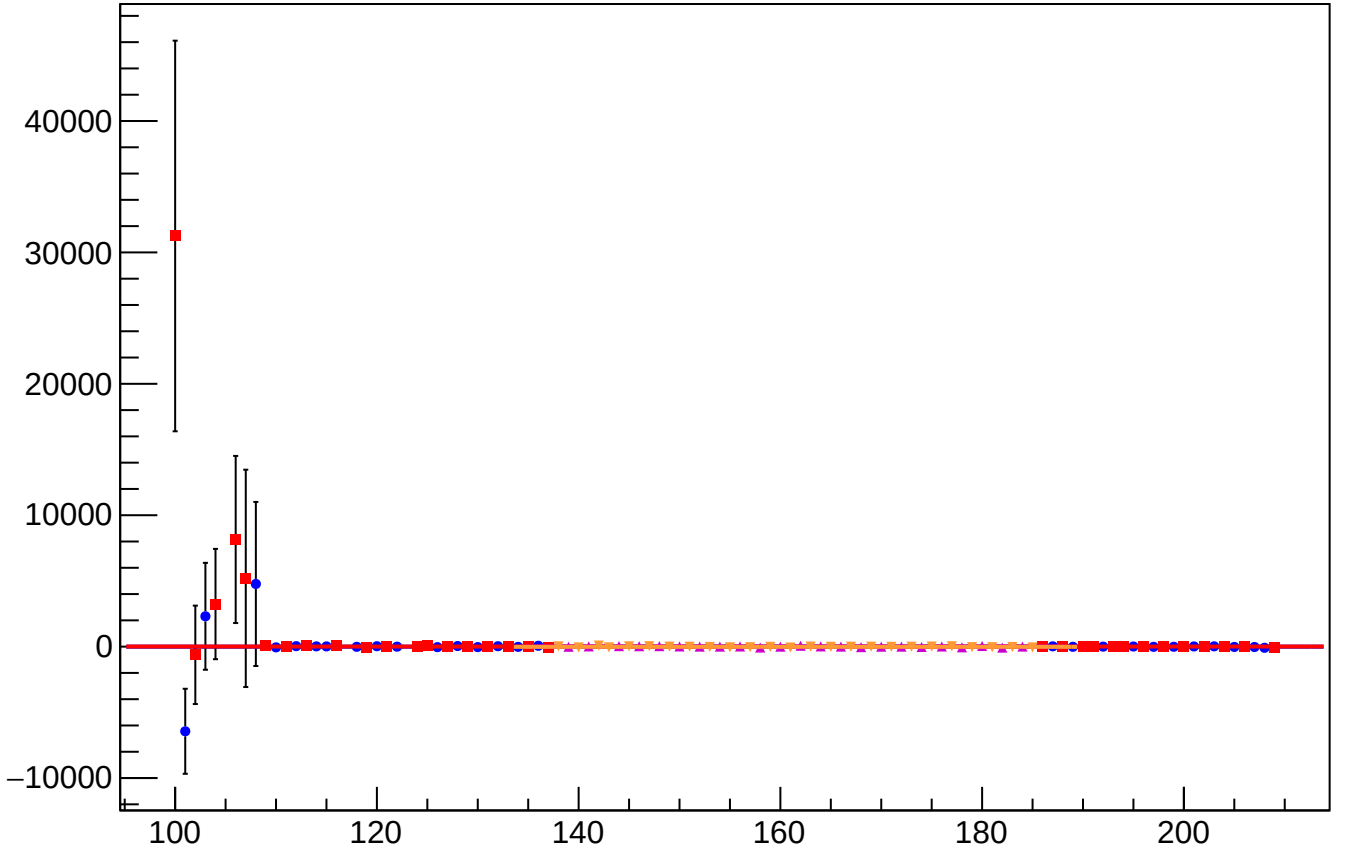
Right: 171.556+/-0.023 χ^2/NDF: 10431626.7/58

In: 178.283+/-0.023 χ^2/NDF:6381234.7/49

Out: 185.066+/-0.023 χ^2/NDF:7823679.3/56

All: 181.636+/-0.016 χ^2/NDF: 14247906.8/10

asym_bcm_cav4cQ_bcm_an_us_agg_dd_mean vs Slug, Sign Corrected



Right In: -3.979+/-7.280 χ^2/NDF: 28.2/26

Left Out: -14.827+/-6.512 χ^2/NDF:22.2/24

Right Out: 7.815+/-7.030 χ^2/NDF: 32.8/31

Left In: 2.172+/-6.703 χ^2/NDF:28.3/22

Left: -6.574+/-4.671 χ^2/NDF: 53.9/47

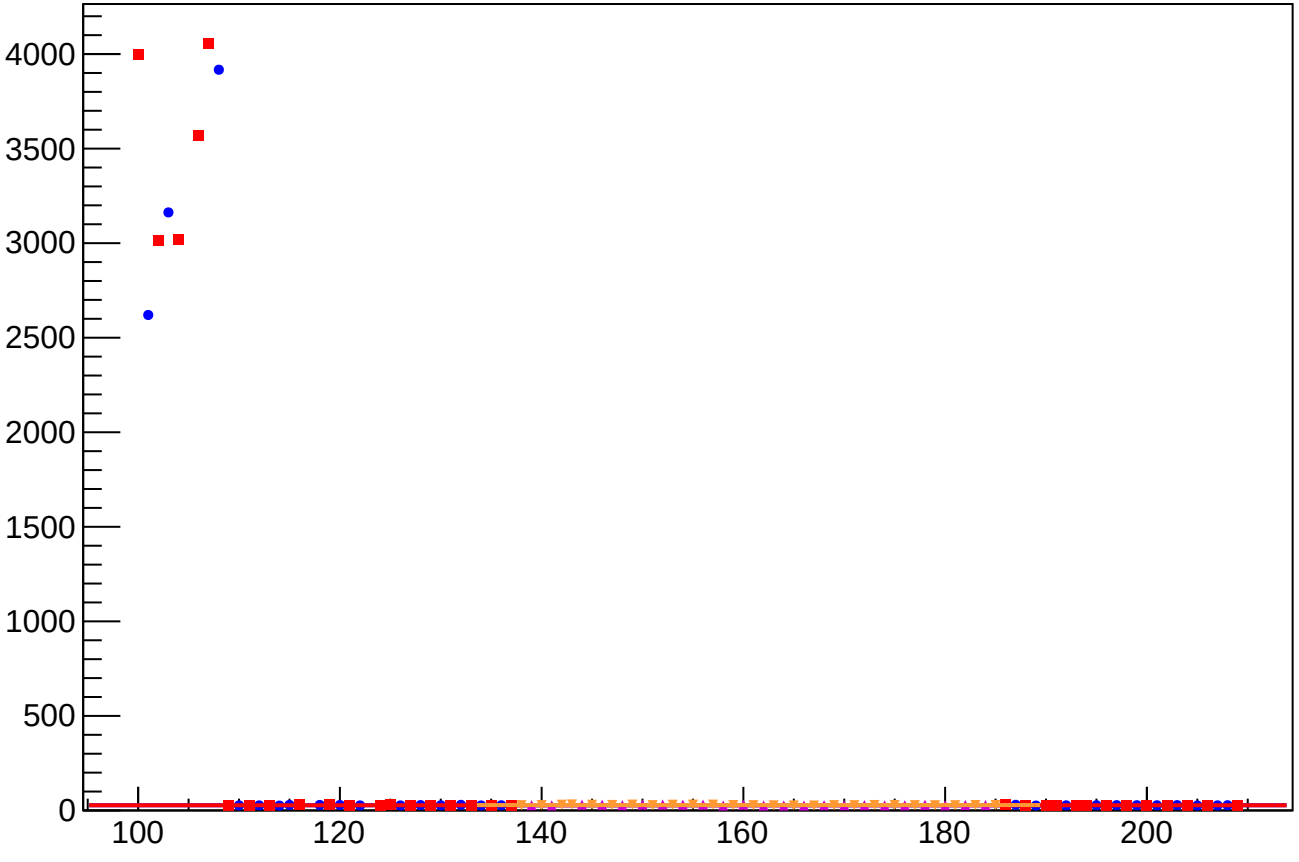
Right: 2.124+/-5.057 χ^2/NDF: 62.4/58

In: -0.650+/-4.931 χ^2/NDF:56.9/49

Out: -4.372+/-4.777 χ^2/NDF:60.7/56

All: -2.570+/-3.431 χ^2/NDF: 117.9/106

asym_bcm_cav4cQ_bcm_an_us_agg_dd_rms vs Slug, Sign Corrected



Right In: 27.414+/-0.005 χ^2/NDF: 3279588.5/26

Left Out: 28.586+/-0.005 χ^2/NDF:88130.9/24

Right Out: 27.405+/-0.005 χ^2/NDF: 3589686.1/31

Left In: 28.606+/-0.005 χ^2/NDF:122928.2/22

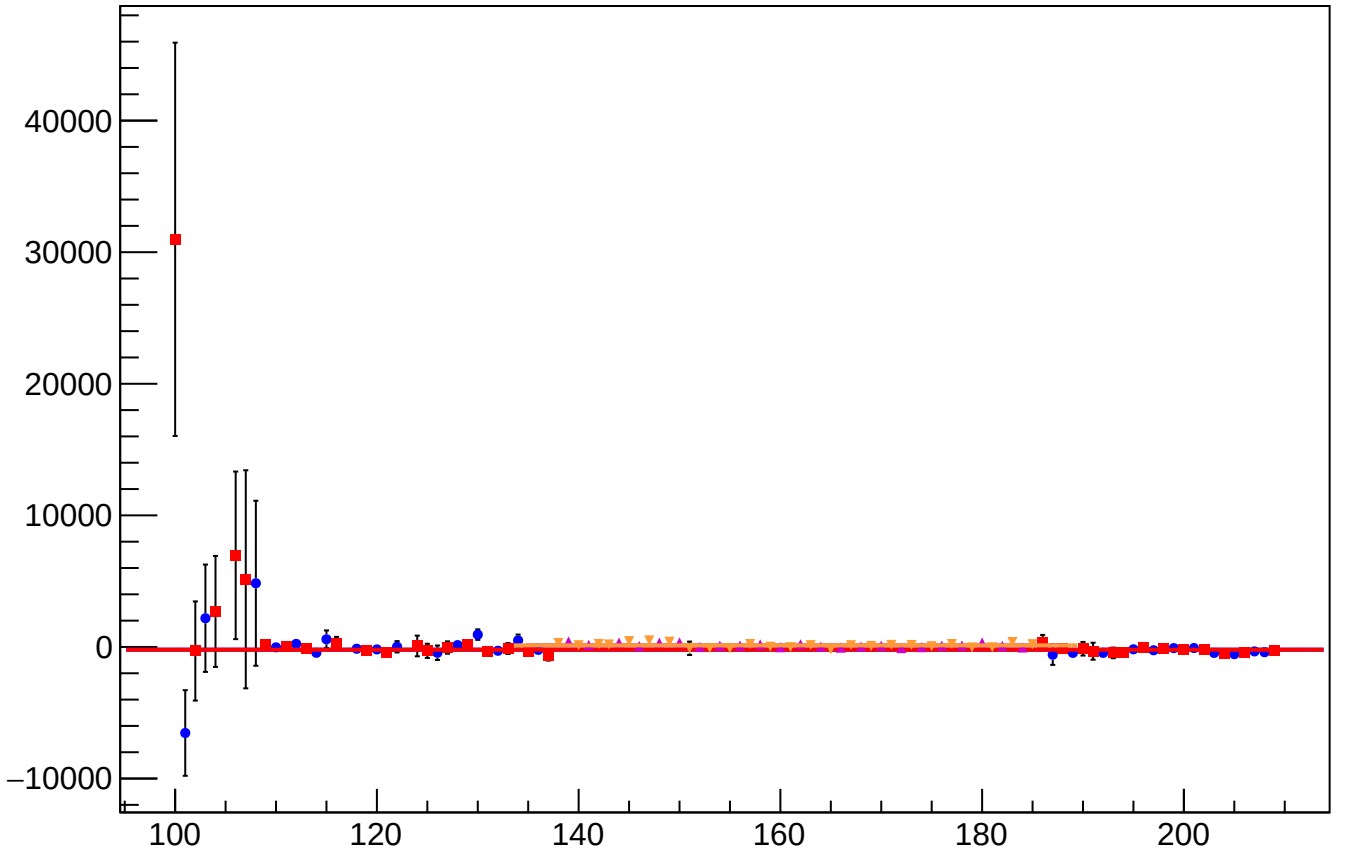
Left: 28.595+/-0.003 χ^2/NDF: 211068.4/47

Right: 27.409+/-0.004 χ^2/NDF: 6869276.2/58

In: 28.059+/-0.003 χ^2/NDF:3431532.2/49

Out: 28.041+/-0.003 χ^2/NDF:3708178.9/56

All: 28.049+/-0.002 χ^2/NDF: 7139725.4/106



Right In: -206.402+/-47.086 χ^2/NDF: 33.7/26

Left Out: 121.915+/-46.825 χ^2/NDF:12.0/24

Right Out: -210.402+/-46.009 χ^2/NDF: 25.1/31

Left In: 116.243+/-44.786 χ^2/NDF:8.4/22

Left: 118.953+/-32.365 χ^2/NDF: 20.4/47

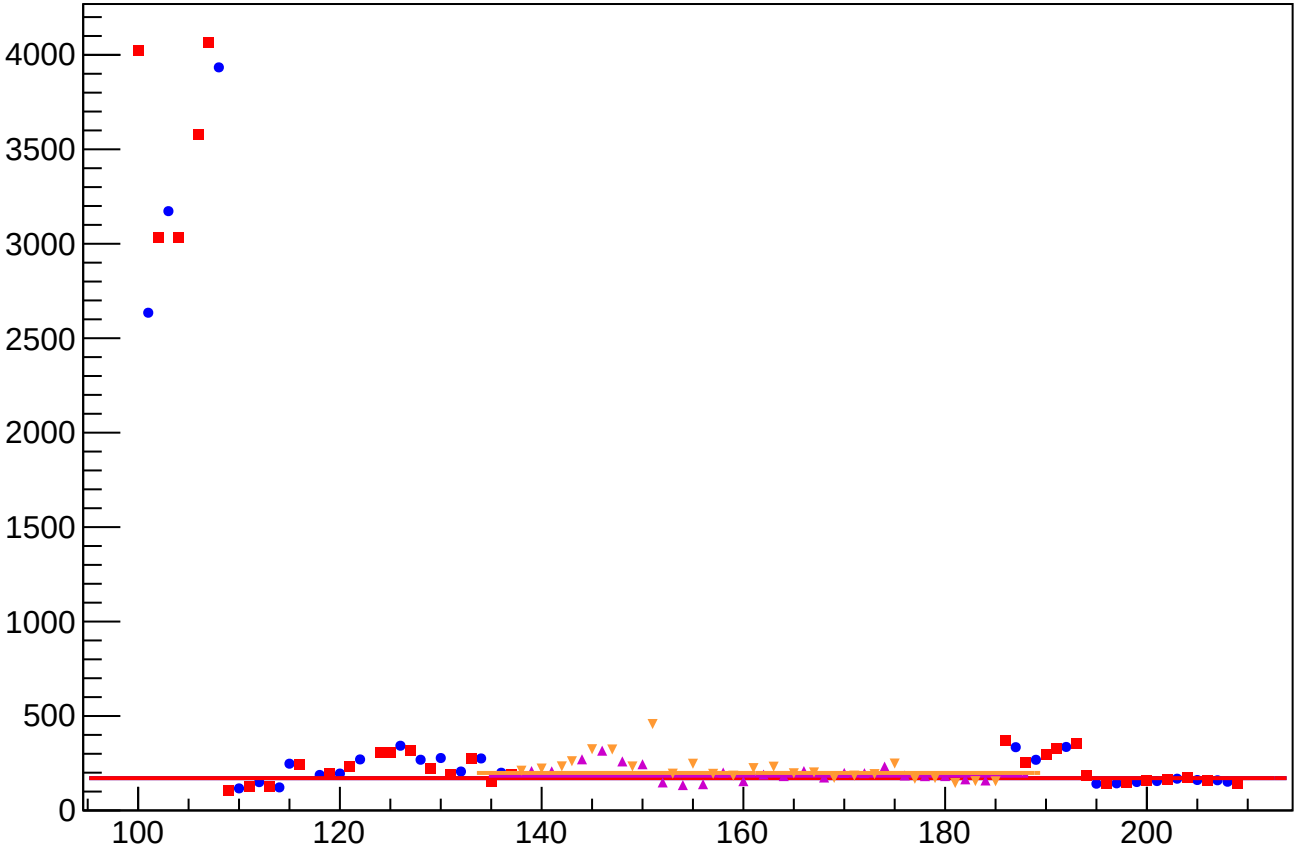
Right: -208.448+/-32.908 χ^2/NDF: 58.7/58

In: -37.006+/-32.451 χ^2/NDF:66.7/49

Out: -47.164+/-32.818 χ^2/NDF:62.7/56

All: -42.028+/-23.075 χ^2/NDF: 129.5/106

asym_bcm_cav4cQ_bcm_an_ds_agg_avg_rms vs Slug, Sign Corrected



Right In: 170.964+/-0.033 χ^2/NDF: 4869849.7/26

Left Out: 198.571+/-0.033 χ^2/NDF:1901504.1/24

Right Out: 171.062+/-0.033 χ^2/NDF: 5593599.1/31

Left In: 184.051+/-0.032 χ^2/NDF:1445426.0/22

Left: 190.988+/-0.023 χ^2/NDF: 3447360.1/47

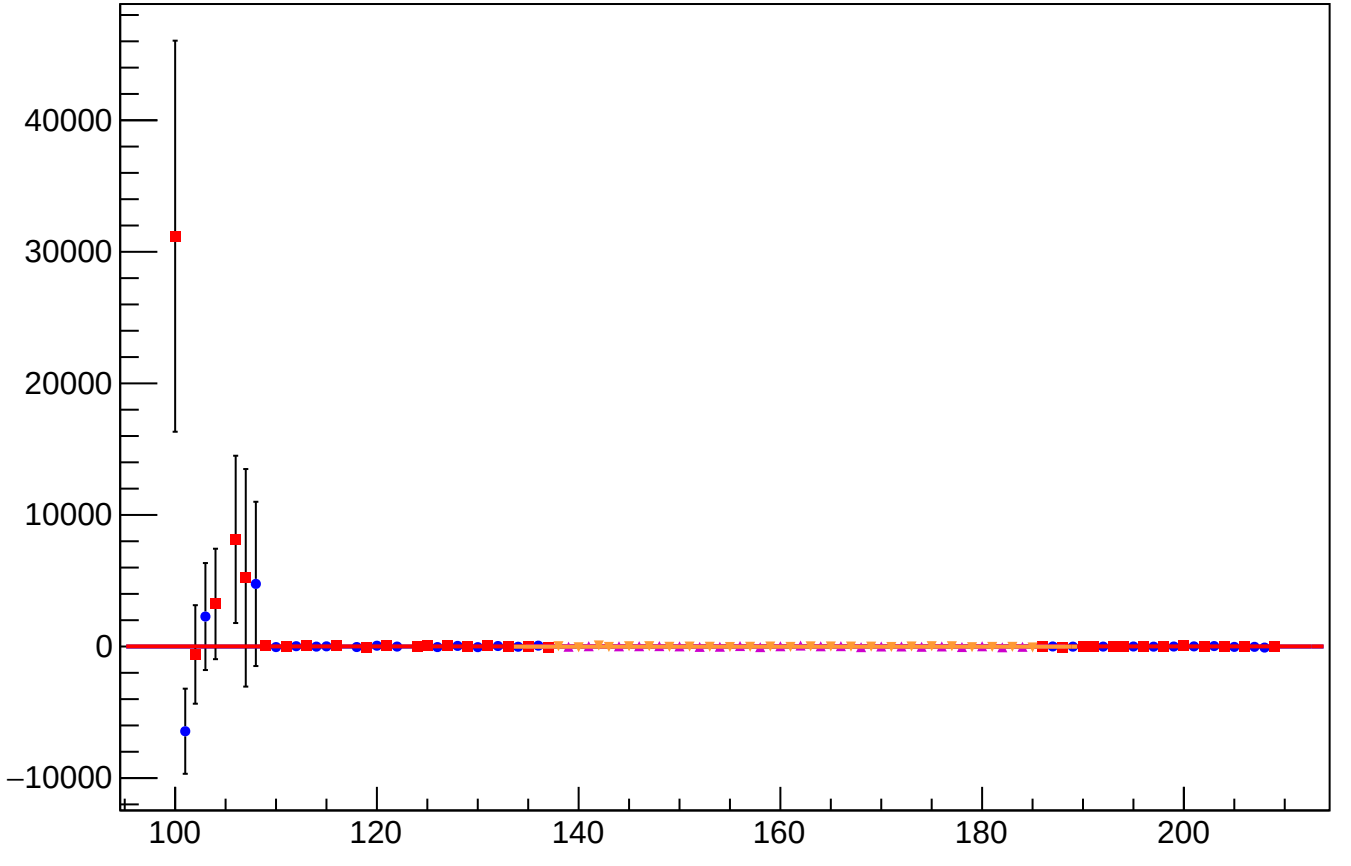
Right: 171.014+/-0.023 χ^2/NDF: 10463453.2/58

In: 177.835+/-0.023 χ^2/NDF:6396386.8/49

Out: 184.575+/-0.023 χ^2/NDF:7846292.5/56

All: 181.167+/-0.016 χ^2/NDF: 14285328.0/10

asym_bcm_cav4cQ_bcm_an_ds_agg_dd_mean vs Slug, Sign Corrected



Right In: -4.880+/-7.257 χ^2/NDF: 28.9/26

Left Out: -11.862+/-6.541 χ^2/NDF:17.9/24

Right Out: 9.465+/-7.013 χ^2/NDF: 33.3/31

Left In: 2.576+/-6.732 χ^2/NDF:22.2/22

Left: -4.851+/-4.691 χ^2/NDF: 42.4/47

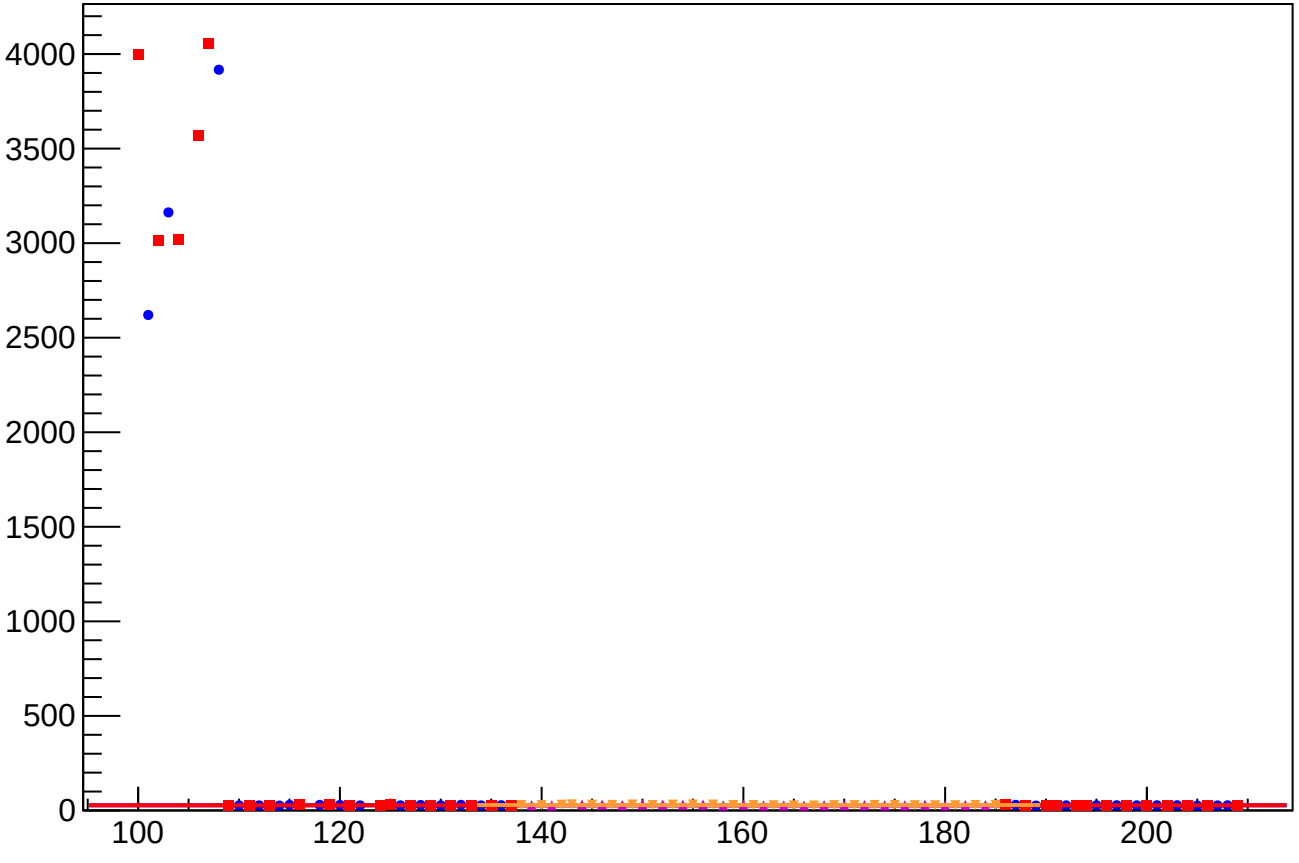
Right: 2.538+/-5.043 χ^2/NDF: 64.3/58

In: -0.873+/-4.935 χ^2/NDF:51.7/49

Out: -1.941+/-4.783 χ^2/NDF:56.1/56

All: -1.423+/-3.435 χ^2/NDF: 107.8/106

asym_bcm_cav4cQ_bcm_an_ds_agg_dd_rms vs Slug, Sign Corrected



Right In: 27.321+/-0.005 χ^2/NDF: 3284730.6/26

Left Out: 28.707+/-0.005 χ^2/NDF:98865.9/24

Right Out: 27.334+/-0.005 χ^2/NDF: 3592255.6/31

Left In: 28.728+/-0.005 χ^2/NDF:127383.0/22

Left: 28.717+/-0.003 χ^2/NDF: 226258.3/47

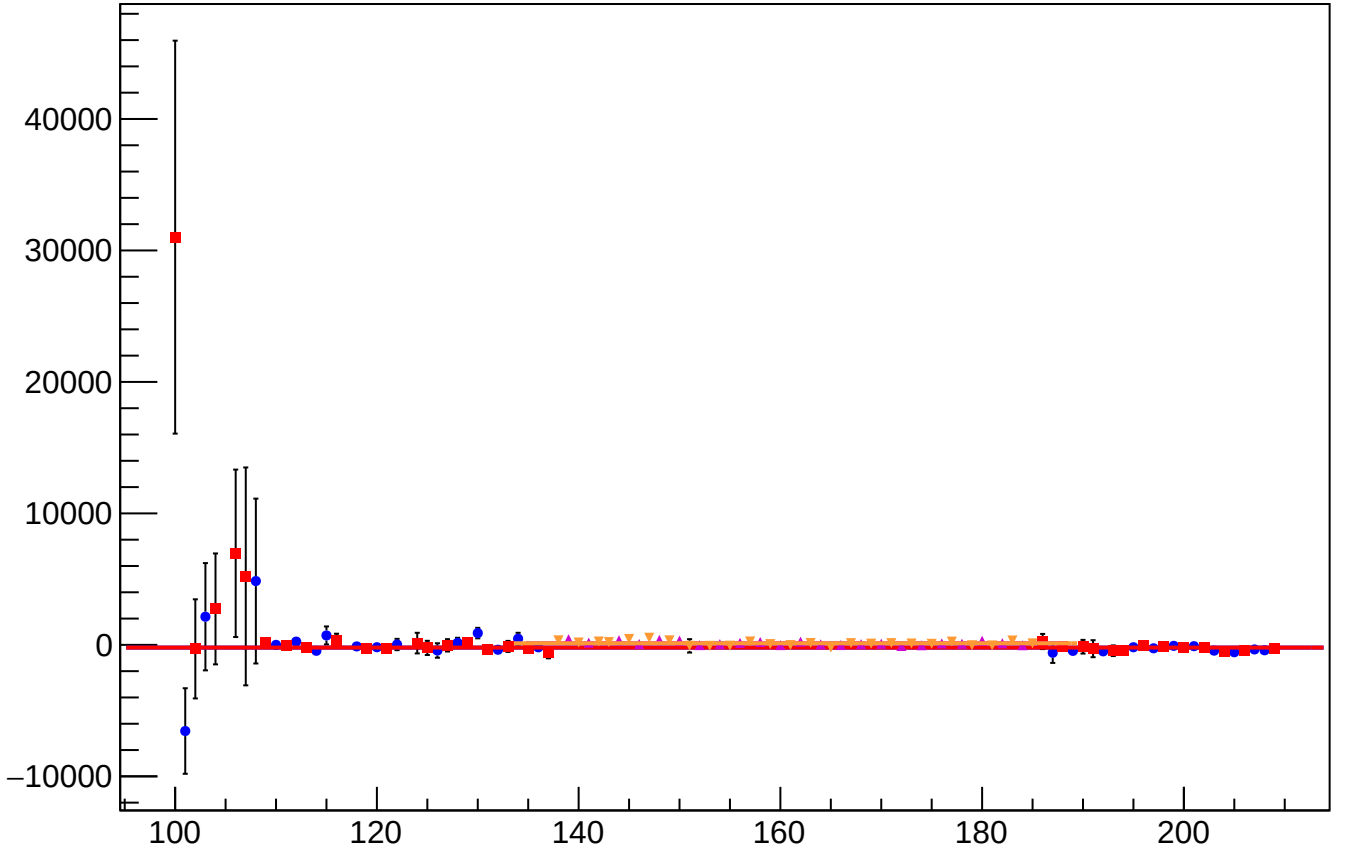
Right: 27.327+/-0.004 χ^2/NDF: 6876989.5/58

In: 28.077+/-0.003 χ^2/NDF:3452520.9/49

Out: 28.068+/-0.003 χ^2/NDF:3732170.6/56

All: 28.072+/-0.002 χ^2/NDF: 7184694.6/106

asym_bcm_cav4cQ_bcm_dg_us_agg_avg_mean vs Slug, Sign Corrected



Right In: -208.252+/-47.439 χ^2/NDF: 34.6/26

Left Out: 122.864+/-47.300 χ^2/NDF:11.3/24

Right Out: -206.226+/-46.375 χ^2/NDF: 23.7/31

Left In: 123.046+/-45.269 χ^2/NDF:8.5/22

Left: 122.959+/-32.704 χ^2/NDF: 19.8/47

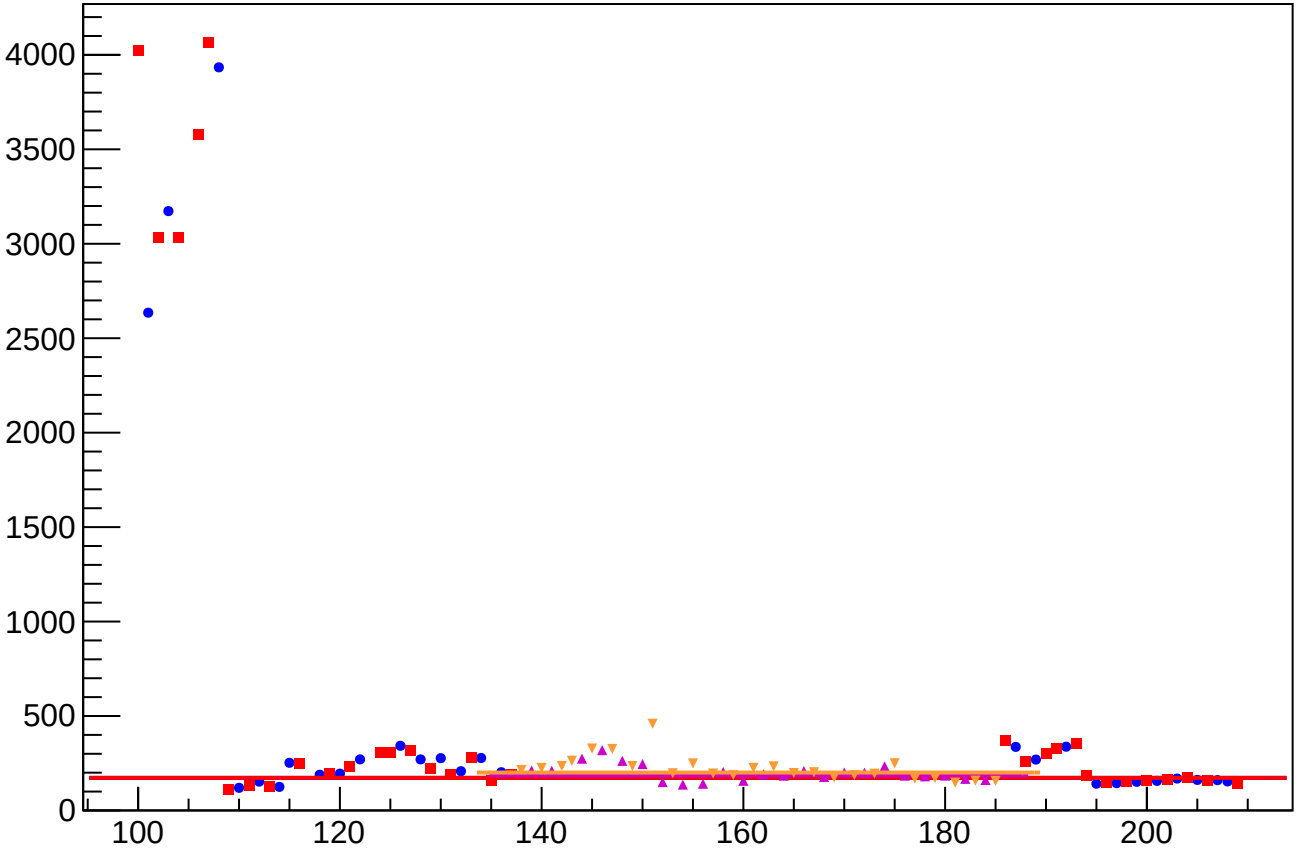
Right: -207.216+/-33.162 χ^2/NDF: 58.2/58

In: -34.854+/-32.750 χ^2/NDF:68.6/49

Out: -44.928+/-33.114 χ^2/NDF:59.7/56

All: -39.835+/-23.285 χ^2/NDF: 128.3/106

asym_bcm_cav4cQ_bcm_dg_us_agg_avg_rms vs Slug, Sign Corrected



Right In: 172.359+/-0.034 χ^2/NDF: 4838093.6/26

Left Out: 200.686+/-0.033 χ^2/NDF:1880083.2/24

Right Out: 172.633+/-0.033 χ^2/NDF: 5531042.8/31

Left In: 186.169+/-0.032 χ^2/NDF:1413387.1/22

Left: 193.109+/-0.023 χ^2/NDF: 3391793.2/47

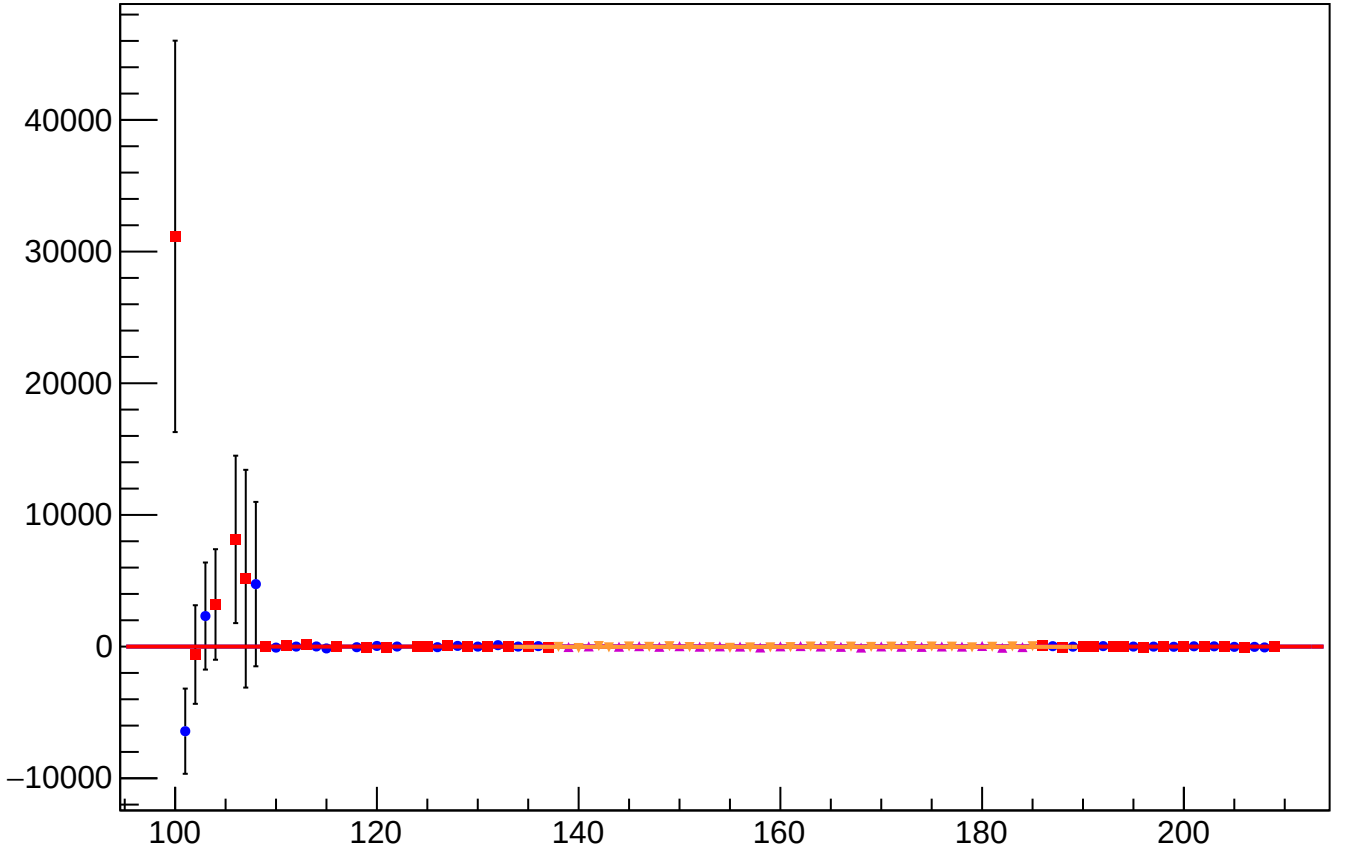
Right: 172.499+/-0.023 χ^2/NDF: 10369170.7/58

In: 179.587+/-0.023 χ^2/NDF:6340196.8/49

Out: 186.383+/-0.023 χ^2/NDF:7769808.7/56

All: 182.947+/-0.016 χ^2/NDF: 14152587.8/10

asym_bcm_cav4cQ_bcm_dg_us_agg_dd_mean vs Slug, Sign Corrected



Right In: 0.399+/-8.852 χ^2/NDF: 23.4/26

Left Out: -21.228+/-7.835 χ^2/NDF:22.9/24

Right Out: 0.206+/-8.563 χ^2/NDF: 33.7/31

Left In: -4.029+/-8.083 χ^2/NDF:18.9/22

Left: -12.896+/-5.626 χ^2/NDF: 44.2/47

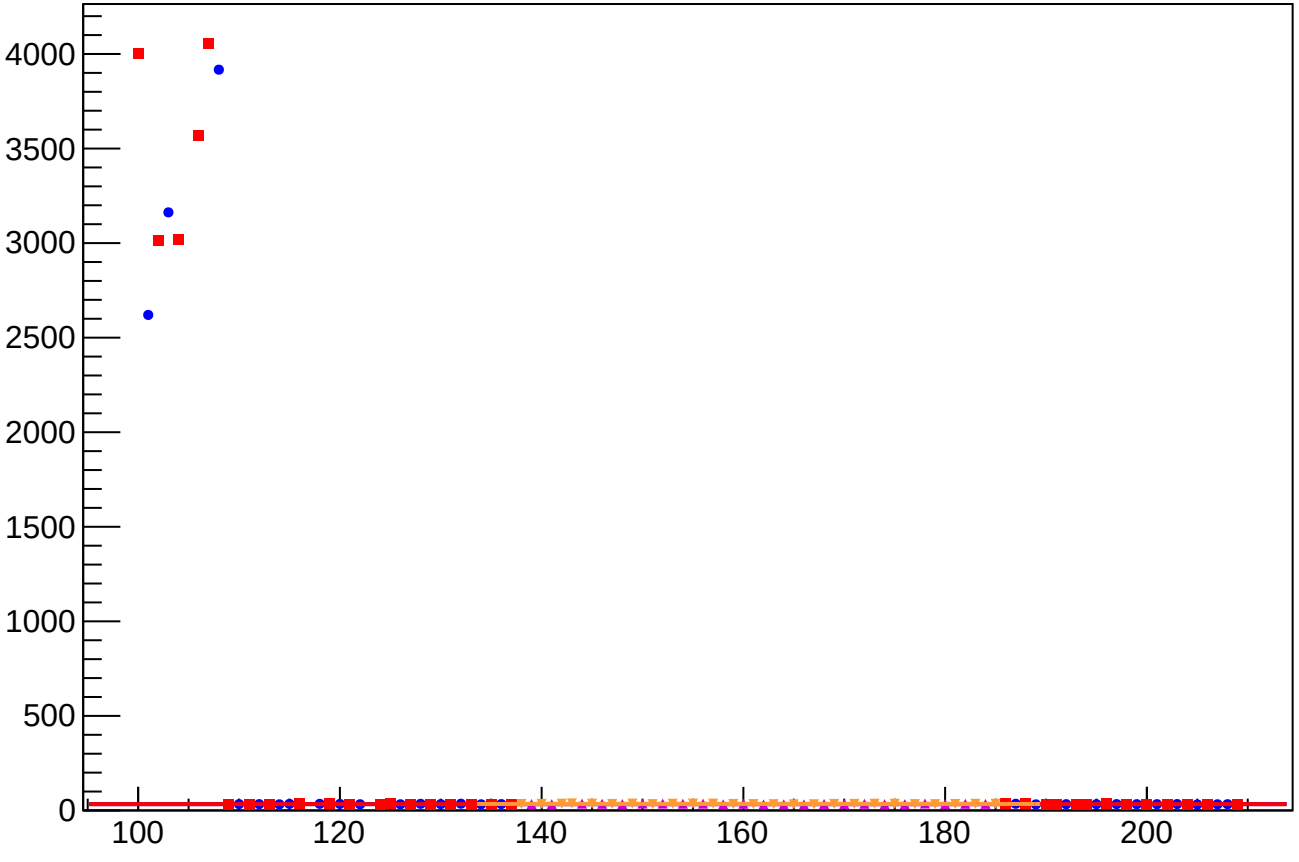
Right: 0.300+/-6.155 χ^2/NDF: 57.1/58

In: -2.015+/-5.969 χ^2/NDF:42.4/49

Out: -11.460+/-5.780 χ^2/NDF:60.0/56

All: -6.889+/-4.153 χ^2/NDF: 103.8/106

asym_bcm_cav4cQ_bcm_dg_us_agg_dd_rms vs Slug, Sign Corrected



Right In: 33.361+/-0.006 χ^2/NDF: 3255713.3/26

Left Out: 34.439+/-0.006 χ^2/NDF:44686.3/24

Right Out: 33.424+/-0.006 χ^2/NDF: 3545709.3/31

Left In: 34.552+/-0.006 χ^2/NDF:59280.9/22

Left: 34.494+/-0.004 χ^2/NDF: 104170.1/47

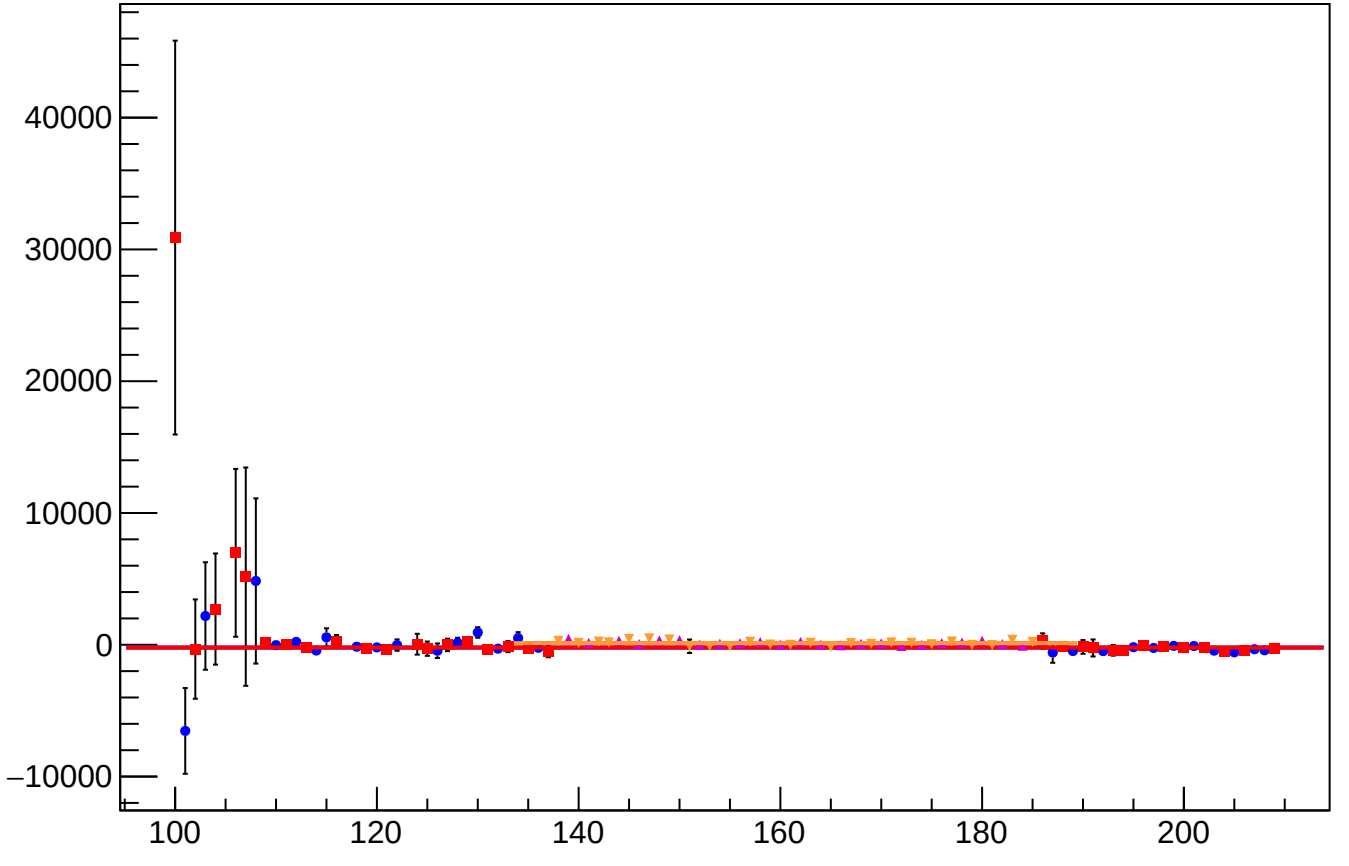
Right: 33.394+/-0.004 χ^2/NDF: 6801474.7/58

In: 34.011+/-0.004 χ^2/NDF:3334721.1/49

Out: 33.976+/-0.004 χ^2/NDF:3605669.6/56

All: 33.993+/-0.003 χ^2/NDF: 6940424.8/106

asym_bcm_cav4cQ_bcm_dg_ds_agg_avg_mean vs Slug, Sign Corrected



Right In: -213.343+/-47.289 χ^2/NDF: 34.0/26

Left Out: 127.689+/-47.228 χ^2/NDF:11.6/24

Right Out: -208.157+/-46.203 χ^2/NDF: 23.4/31

Left In: 122.809+/-45.199 χ^2/NDF:8.0/22

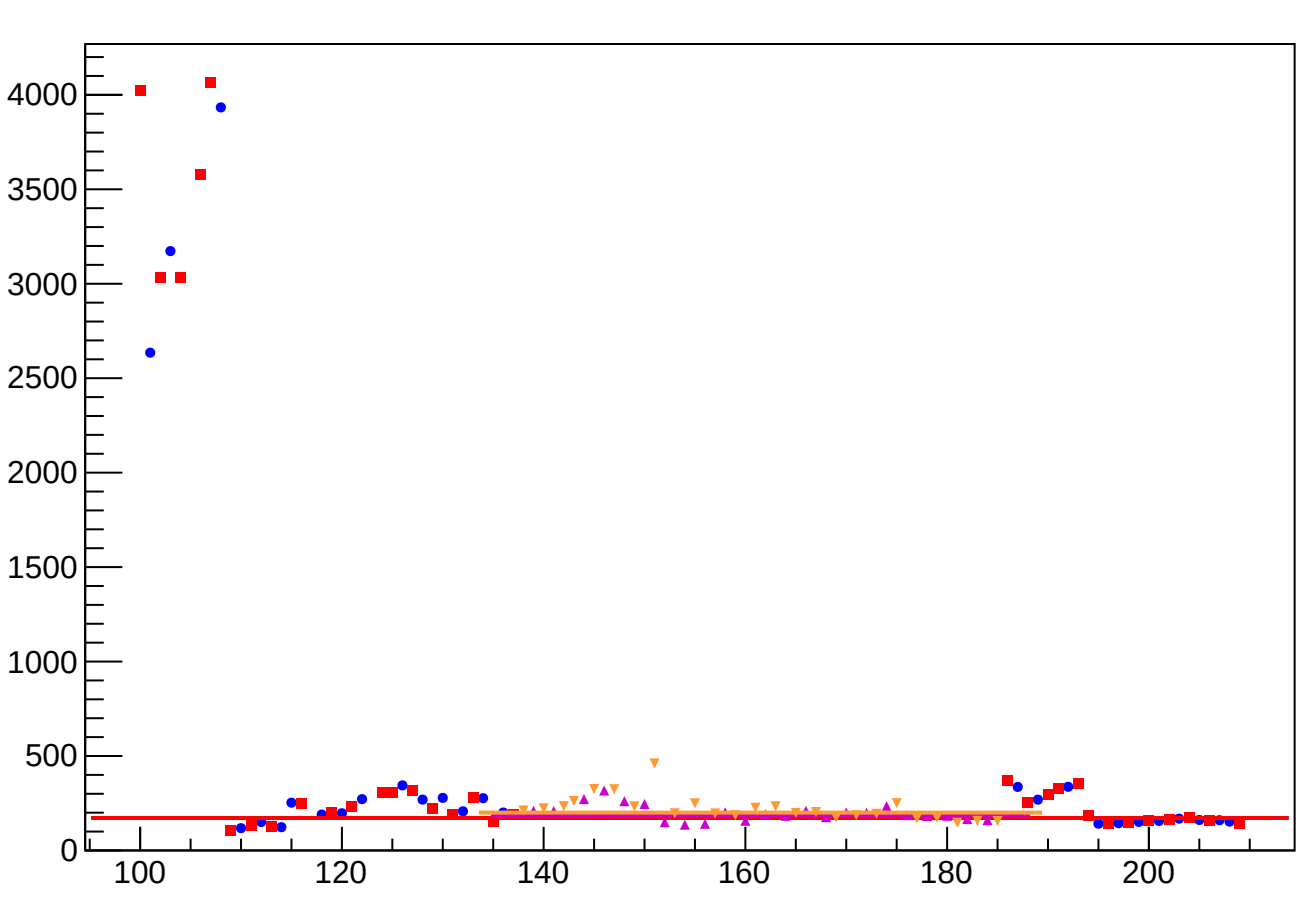
Left: 125.142+/-32.654 χ^2/NDF: 19.6/47

Right: -210.690+/-33.048 χ^2/NDF: 57.4/58

In: -37.673+/-32.674 χ^2/NDF:68.4/49

Out: -43.919+/-33.027 χ^2/NDF:60.8/56

All: -40.762+/-23.228 χ^2/NDF: 129.3/106



Right In: 171.711+/-0.033 χ^2/NDF: 4867370.8/26

Left Out: 200.372+/-0.033 χ^2/NDF:1876533.6/24

Right Out: 171.830+/-0.033 χ^2/NDF: 5581473.8/31

Left In: 185.871+/-0.032 χ^2/NDF:1405525.2/22

Left: 192.803+/-0.023 χ^2/NDF: 3380466.3/47

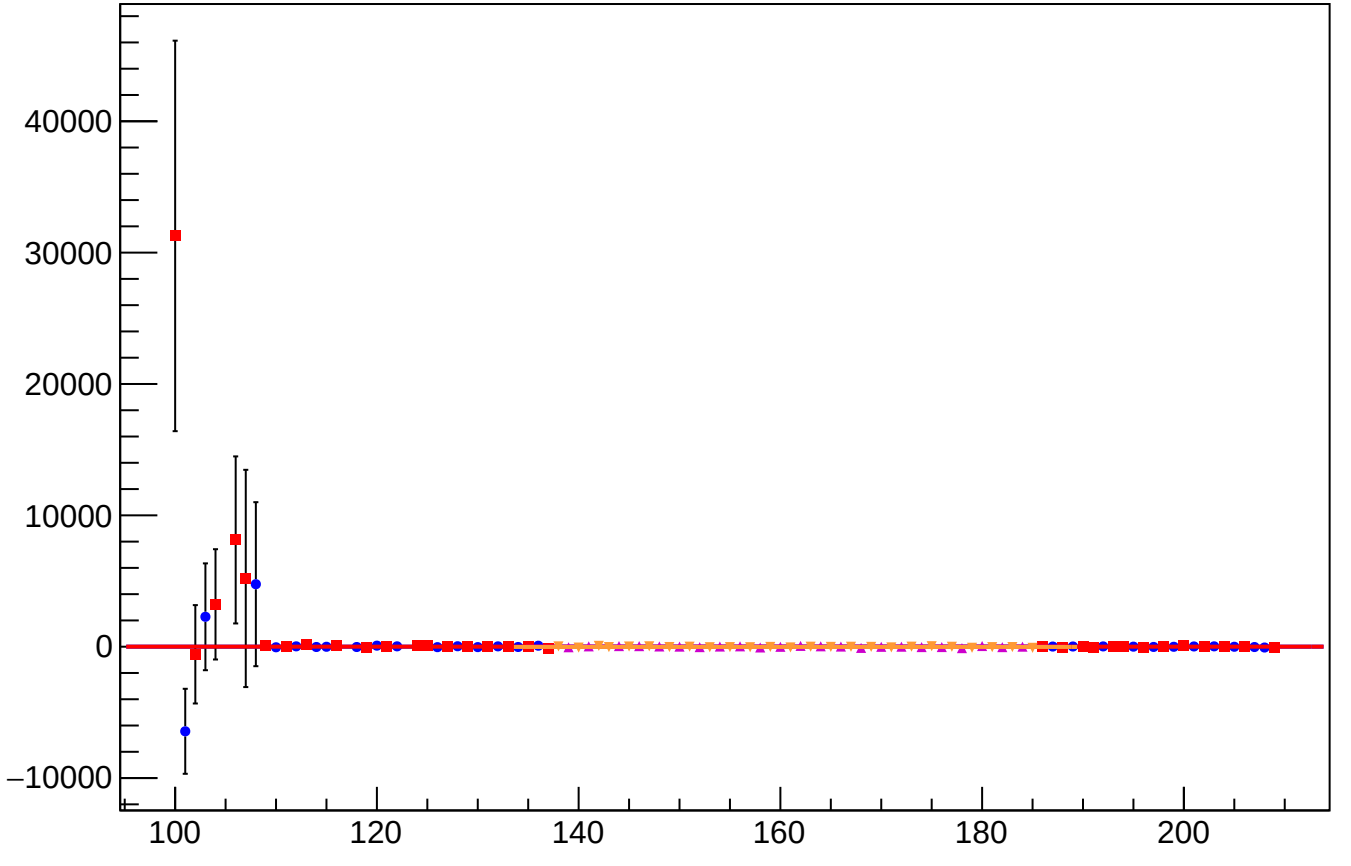
Right: 171.772+/-0.023 χ^2/NDF: 10448851.2/58

In: 179.111+/-0.023 χ^2/NDF:6366616.2/49

Out: 185.788+/-0.023 χ^2/NDF:7831244.7/56

All: 182.414+/-0.016 χ^2/NDF: 14239172.6/10

asym_bcm_cav4cQ_bcm_dg_ds_agg_dd_mean vs Slug, Sign Corrected



Right In: 3.392+/-8.016 χ^2/NDF: 22.6/26

Left Out: -18.581+/-7.135 χ^2/NDF:20.4/24

Right Out: 3.449+/-7.753 χ^2/NDF: 40.4/31

Left In: -2.709+/-7.348 χ^2/NDF:35.5/22

Left: -10.878+/-5.119 χ^2/NDF: 58.3/47

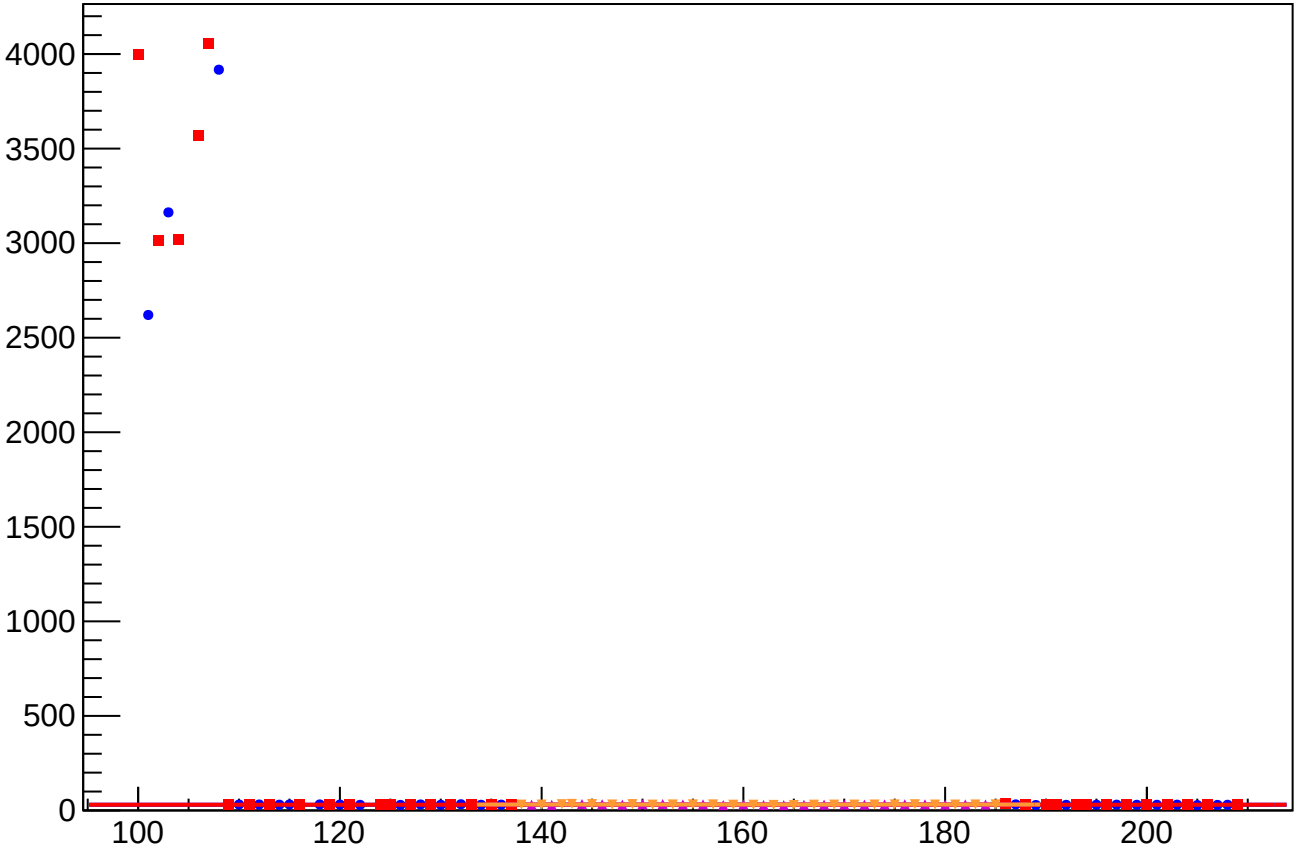
Right: 3.421+/-5.573 χ^2/NDF: 63.0/58

In: 0.076+/-5.417 χ^2/NDF:58.5/49

Out: -8.479+/-5.250 χ^2/NDF:65.2/56

All: -4.335+/-3.770 χ^2/NDF: 124.9/106

asym_bcm_cav4cQ_bcm_dg_ds_agg_dd_rms vs Slug, Sign Corrected



Right In: 30.191+/-0.006 χ^2/NDF: 3273603.3/26

Left Out: 31.340+/-0.005 χ^2/NDF:63017.9/24

Right Out: 30.240+/-0.005 χ^2/NDF: 3564538.3/31

Left In: 31.379+/-0.005 χ^2/NDF:85229.7/22

Left: 31.359+/-0.004 χ^2/NDF: 148277.4/47

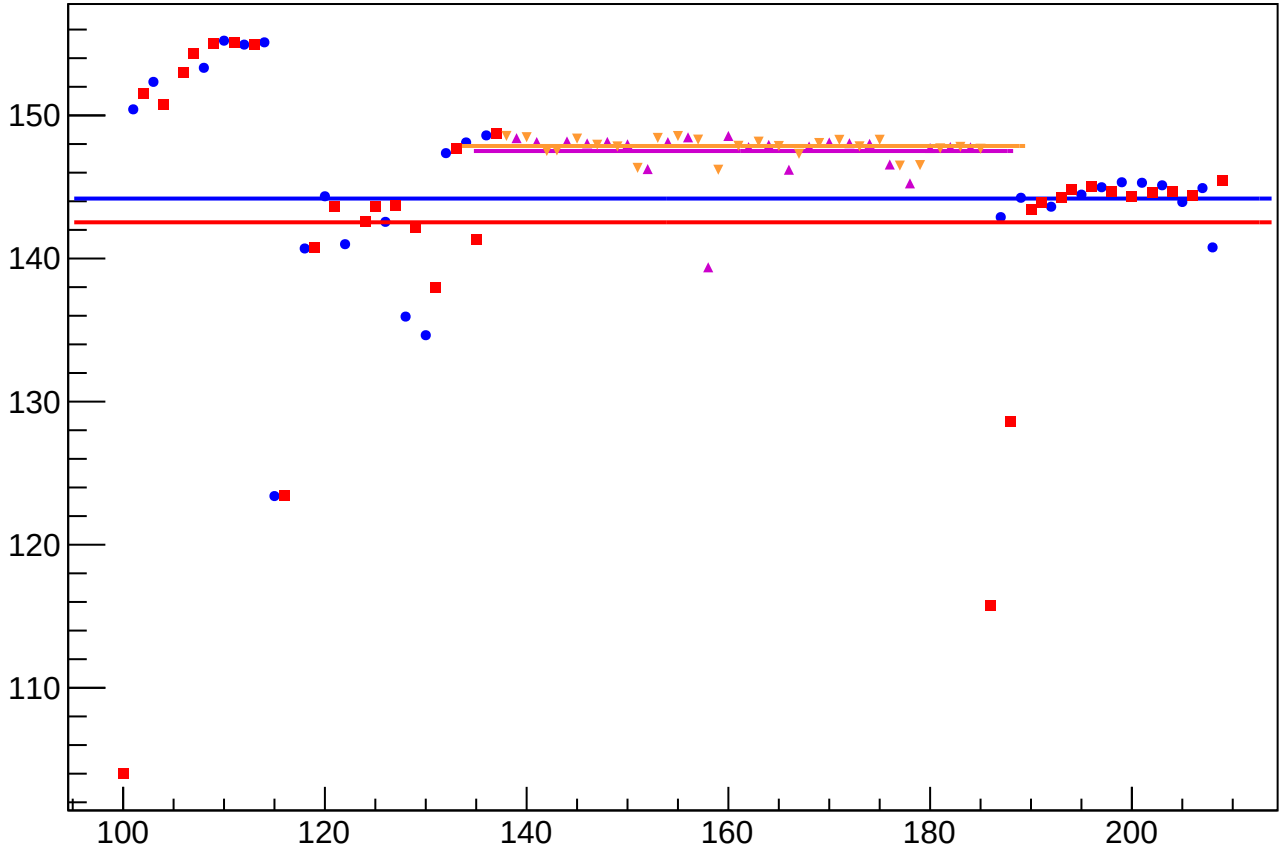
Right: 30.216+/-0.004 χ^2/NDF: 6838180.1/58

In: 30.837+/-0.004 χ^2/NDF:3382725.3/49

Out: 30.835+/-0.004 χ^2/NDF:3649356.6/56

All: 30.836+/-0.003 χ^2/NDF: 7032081.9/106

yield_bcm_target_mean vs Slug, Sign Corrected



Right In: 144.190+/-0.000 χ^2/NDF: 3767068810.1/26

Left Out: 147.864+/-0.000 χ^2/NDF:44922014.2/24

Right Out: 142.531+/-0.000 χ^2/NDF: 7568555875.0/31

Left In: 147.511+/-0.000 χ^2/NDF:306421789.5/22

Left: 147.695+/-0.000 χ^2/NDF: 357135734.4/47

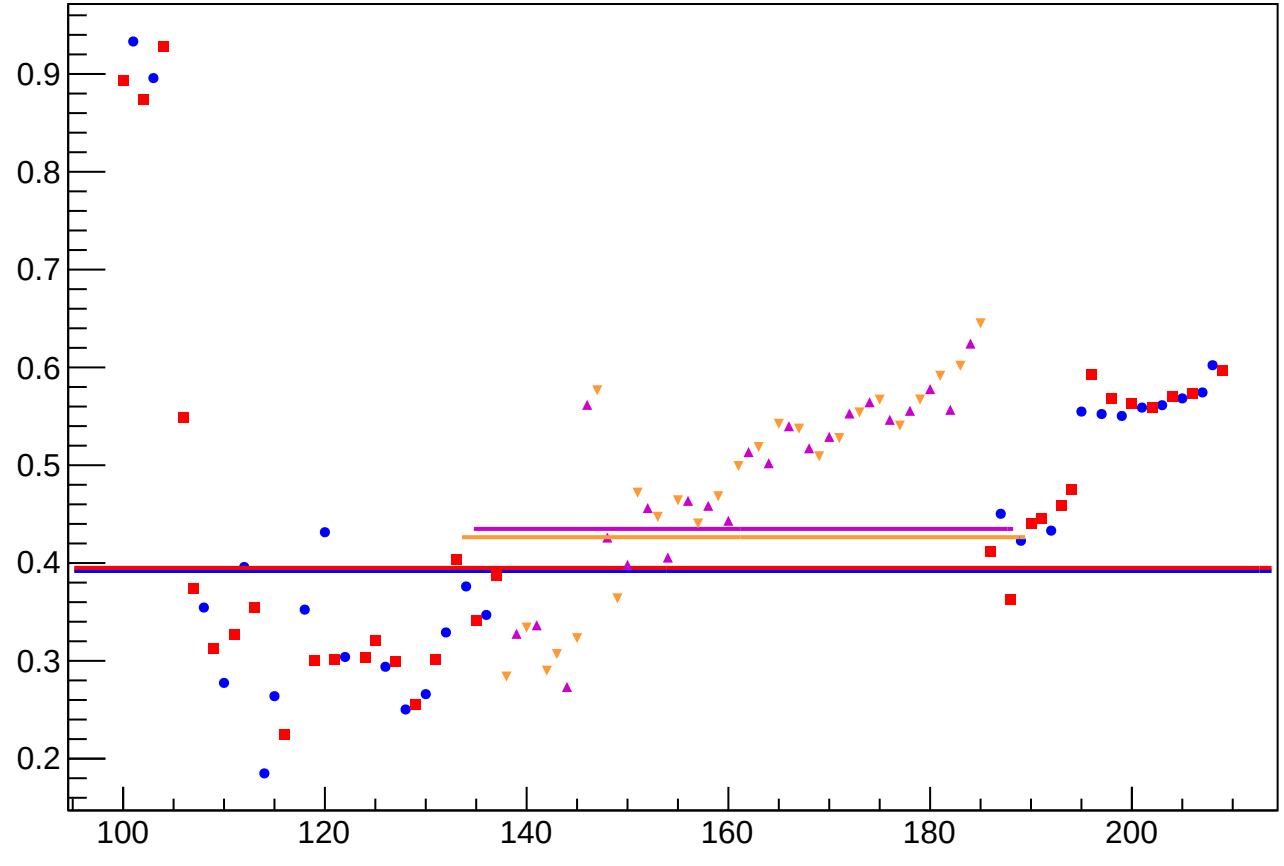
Right: 143.324+/-0.000 χ^2/NDF: 11459830088.7/58

In: 145.877+/-0.000 χ^2/NDF:4557418325.9/49

Out: 145.235+/-0.000 χ^2/NDF:8974155591.9/56

All: 145.542+/-0.000 χ^2/NDF: 13569382606.

yield_bcm_target_rms vs Slug, Sign Corrected



Right In: 0.392+/-0.000 χ^2/NDF: 3222901.5/26

Left Out: 0.426+/-0.000 χ^2/NDF:2259192.5/24

Right Out: 0.395+/-0.000 χ^2/NDF: 3081510.6/31

Left In: 0.435+/-0.000 χ^2/NDF:1774903.7/22

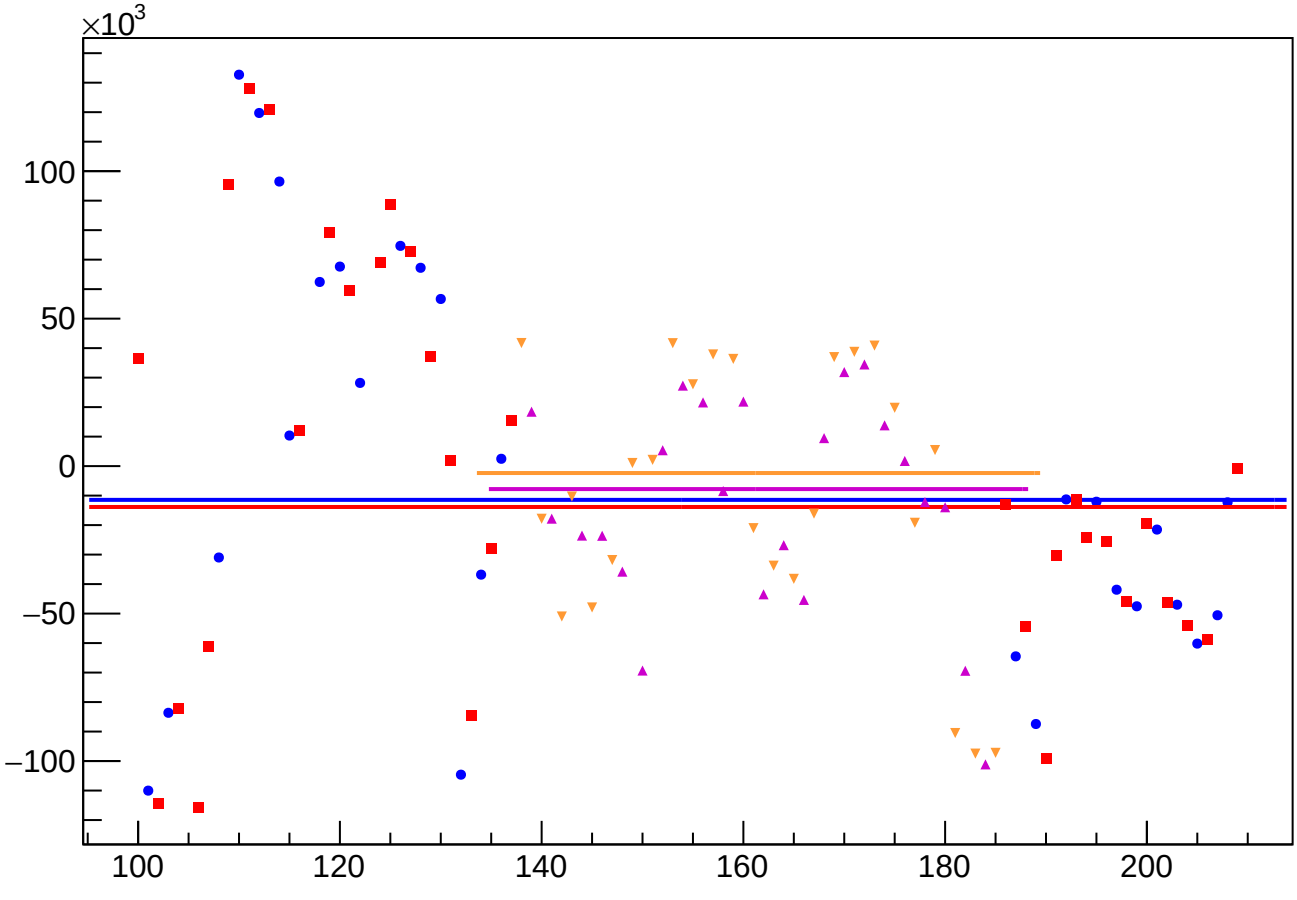
Left: 0.430+/-0.000 χ^2/NDF: 4040738.3/47

Right: 0.394+/-0.000 χ^2/NDF: 6305303.3/58

In: 0.414+/-0.000 χ^2/NDF:5159886.0/49

Out: 0.411+/-0.000 χ^2/NDF:5434888.8/56

All: 0.412+/-0.000 χ^2/NDF: 10596189.7/106



Right In: -11444.460+/-1.380 χ^2/NDF: 1936397733.9/26

Left Out: -2344.855+/-1.123 χ^2/NDF:1230029339.6/24

Right Out: -13858.374+/-1.290 χ^2/NDF: 2392530282.5/31

Left In: -7787.808+/-1.145 χ^2/NDF:762496621.5/22

Left: -5015.253+/-0.802 χ^2/NDF: 2004045886.0/47

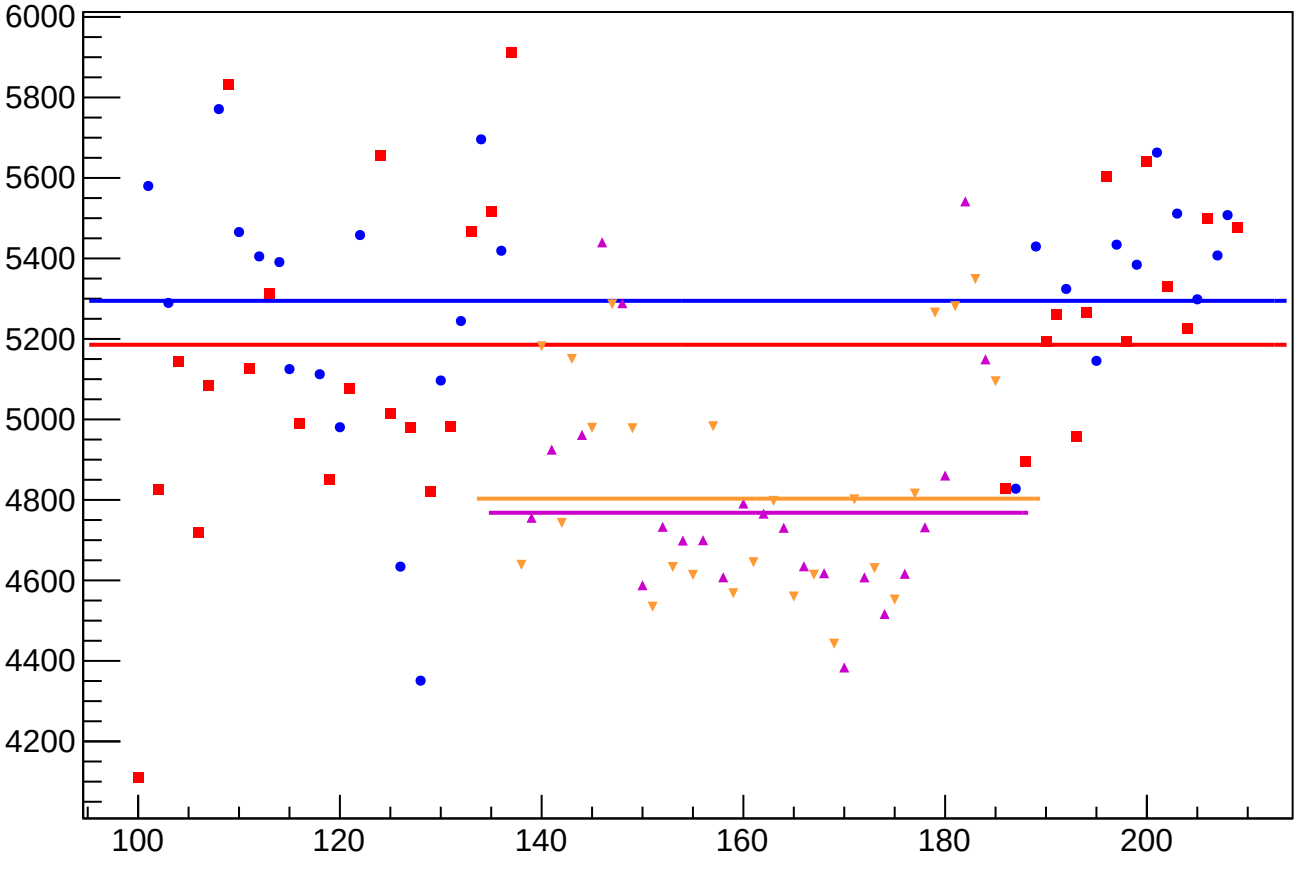
Right: -12733.109+/-0.942 χ^2/NDF: 4330561015.9/

In: -9277.803+/-0.881 χ^2/NDF:2703053489.7/49

Out: -7311.118+/-0.847 χ^2/NDF:3667878260.7/56

All: -8255.808+/-0.611 χ^2/NDF: 6373521224

yield_bcm_an_diff_rms vs Slug, Sign Corrected



Right In: 5294.671+/-0.976 χ^2/NDF: 100819.9/26

Left Out: 4803.136+/-0.794 χ^2/NDF:114681.5/24

Right Out: 5185.509+/-0.912 χ^2/NDF: 108925.4/31

Left In: 4768.055+/-0.809 χ^2/NDF:102355.5/22

Left: 4785.925+/-0.567 χ^2/NDF: 217994.1/47

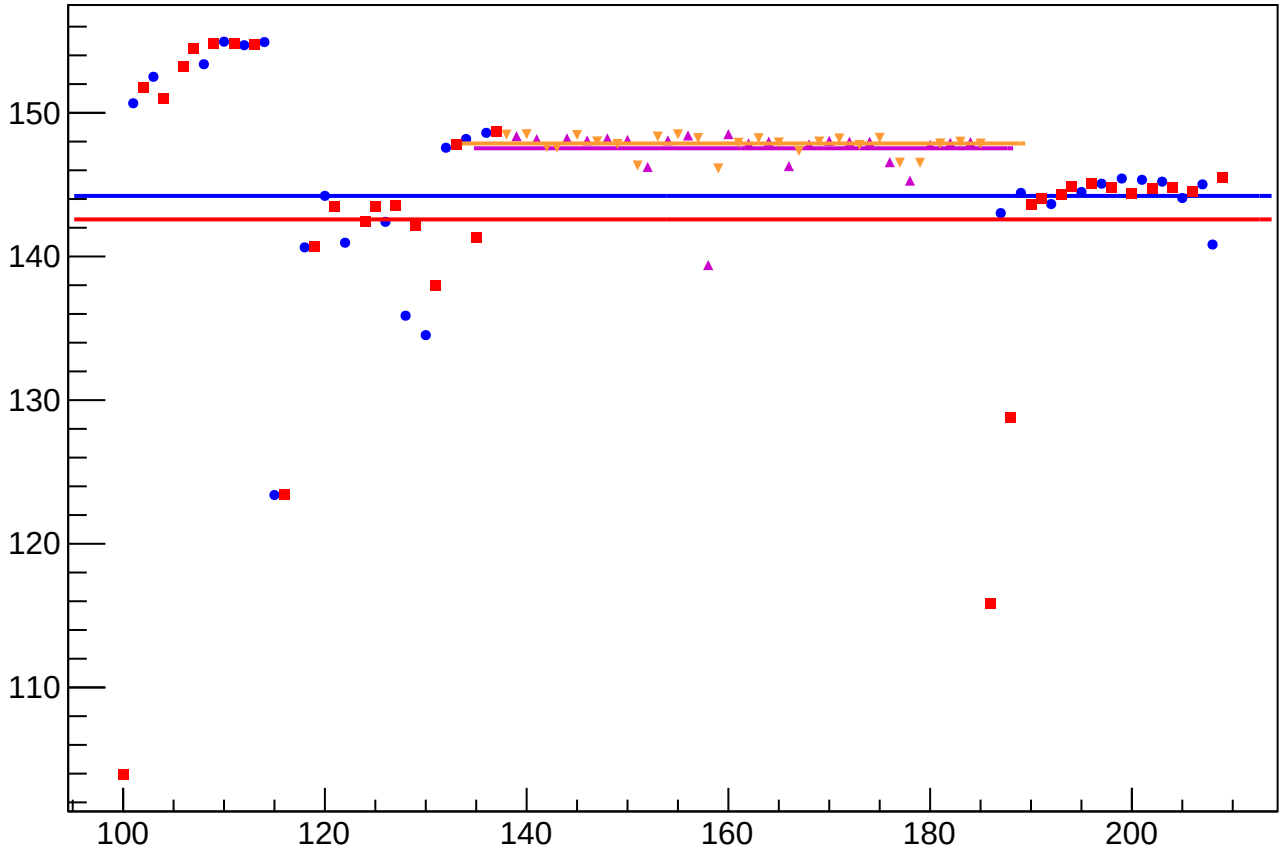
Right: 5236.396+/-0.666 χ^2/NDF: 216424.3/58

In: 4982.638+/-0.623 χ^2/NDF:375701.0/49

Out: 4968.070+/-0.599 χ^2/NDF:323575.5/56

All: 4975.068+/-0.432 χ^2/NDF: 699560.6/106

yield_bcm_an_ds_mean vs Slug, Sign Corrected



Right In: 144.216+/-0.000 χ^2/NDF: 3808371697.0/26

Left Out: 147.870+/-0.000 χ^2/NDF:44483332.4/24

Right Out: 142.582+/-0.000 χ^2/NDF: 7544207735.7/31

Left In: 147.532+/-0.000 χ^2/NDF:307143604.6/22

Left: 147.708+/-0.000 χ^2/NDF: 356985822.2/47

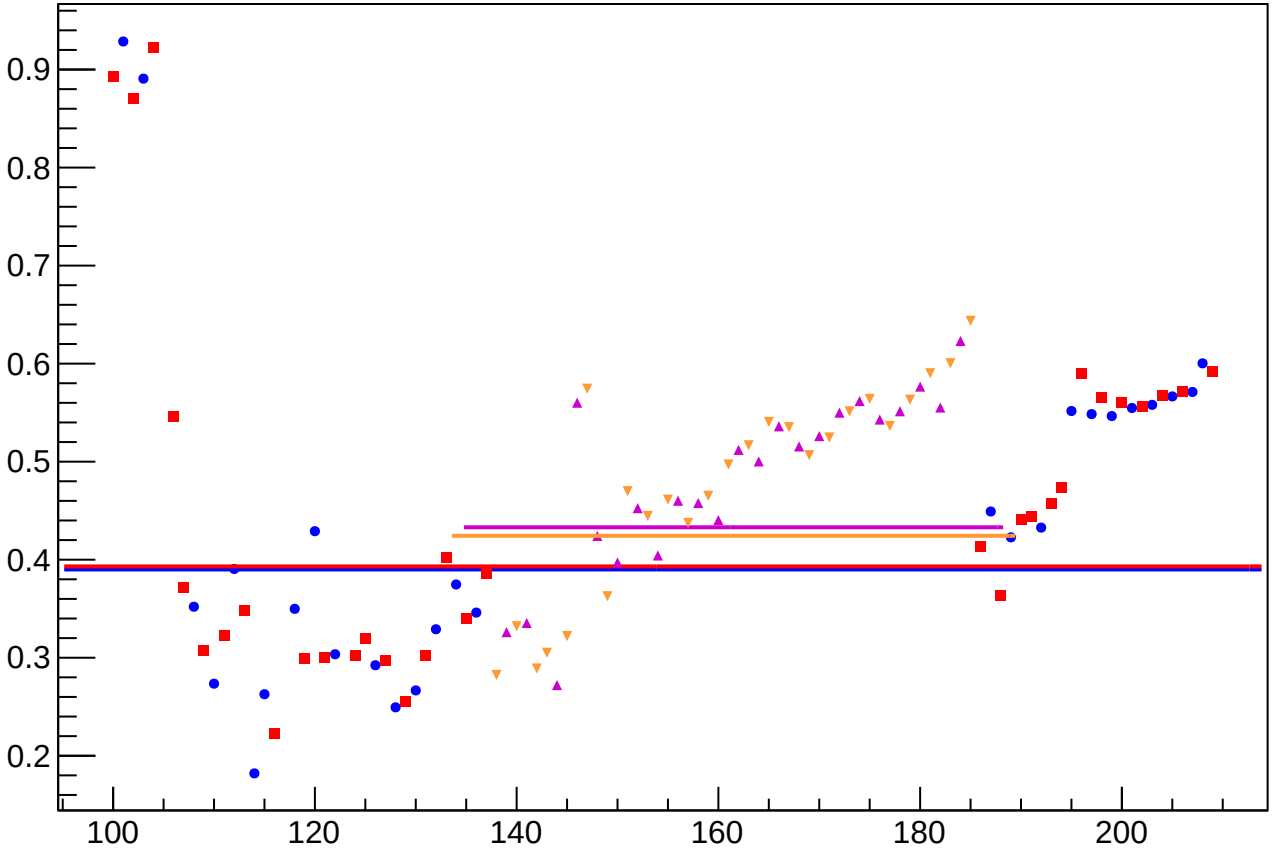
Right: 143.363+/-0.000 χ^2/NDF: 11474131600.1/58

In: 145.899+/-0.000 χ^2/NDF:4602398906.9/49

Out: 145.263+/-0.000 χ^2/NDF:8939066297.0/56

All: 145.568+/-0.000 χ^2/NDF: 13578859109.

yield_bcm_an_ds_rms vs Slug, Sign Corrected



Right In: 0.390+/-0.000 χ^2/NDF: 3221544.3/26

Left Out: 0.424+/-0.000 χ^2/NDF:2260723.7/24

Right Out: 0.393+/-0.000 χ^2/NDF: 3087452.5/31

Left In: 0.433+/-0.000 χ^2/NDF:1771141.8/22

Left: 0.429+/-0.000 χ^2/NDF: 4038947.9/47

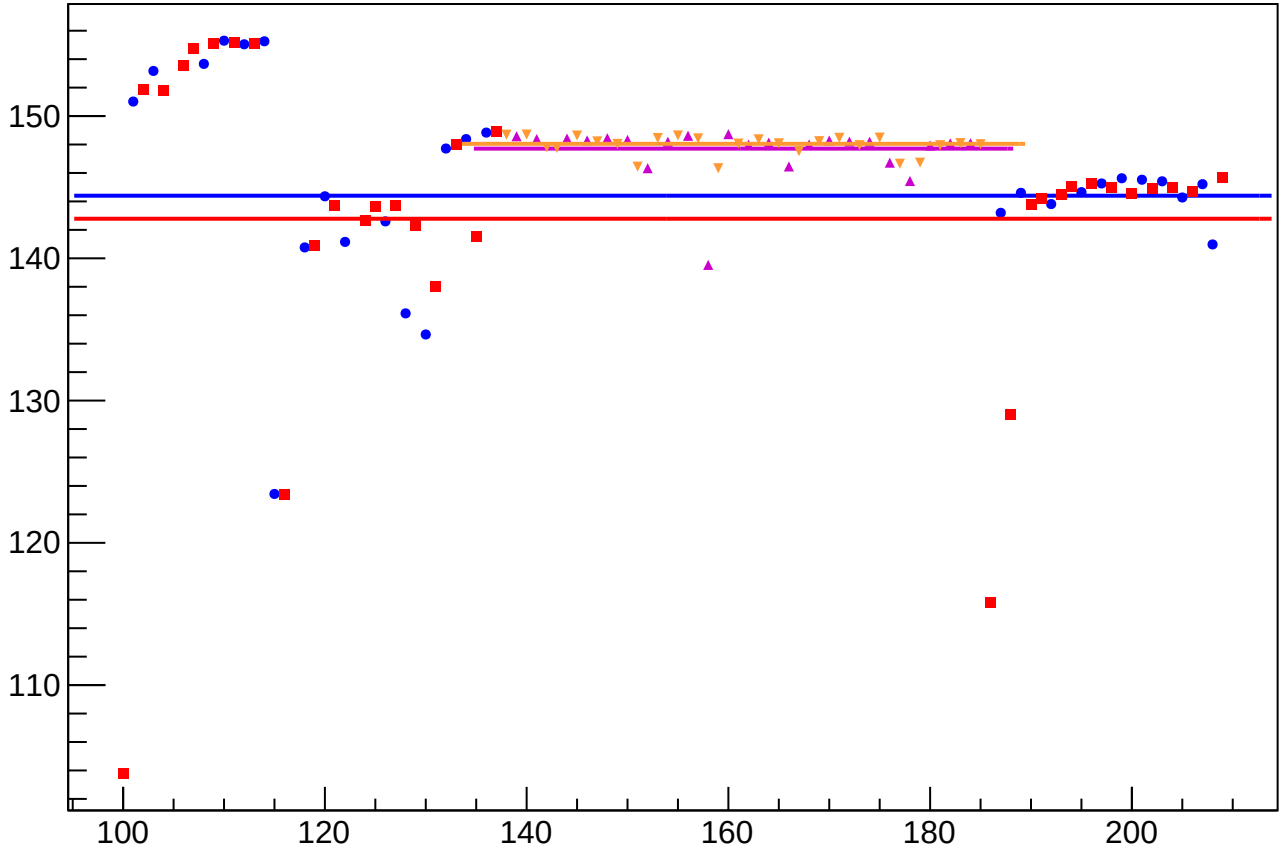
Right: 0.392+/-0.000 χ^2/NDF: 6309873.3/58

In: 0.412+/-0.000 χ^2/NDF:5156356.7/49

Out: 0.409+/-0.000 χ^2/NDF:5442174.3/56

All: 0.410+/-0.000 χ^2/NDF: 10600090.3/106

yield_bcm_an_ds3_mean vs Slug, Sign Corrected



Right In: 144.402+/-0.000 χ^2/NDF: 3802770847.5/26

Left Out: 148.049+/-0.000 χ^2/NDF:44901895.1/24

Right Out: 142.783+/-0.000 χ^2/NDF: 7478604126.8/31

Left In: 147.710+/-0.000 χ^2/NDF:311841433.9/22

Left: 147.887+/-0.000 χ^2/NDF: 362079380.3/47

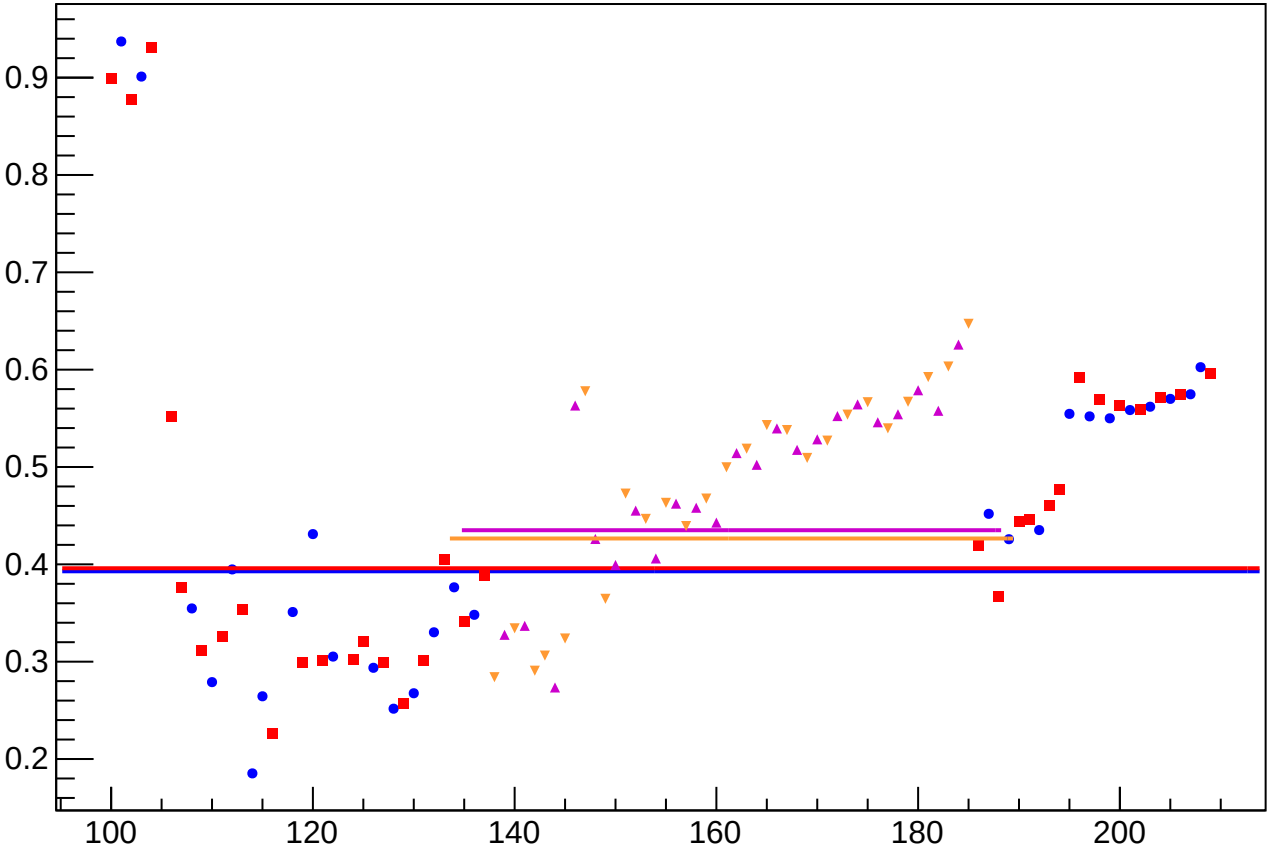
Right: 143.557+/-0.000 χ^2/NDF: 11399064562.3/58

In: 146.085+/-0.000 χ^2/NDF:4593772961.8/49

Out: 145.458+/-0.000 χ^2/NDF:8846797876.9/56

All: 145.758+/-0.000 χ^2/NDF: 13476482023.

yield_bcm_an_ds3_rms vs Slug, Sign Corrected



Right In: 0.393+/-0.000 χ^2/NDF: 3208405.4/26

Left Out: 0.427+/-0.000 χ^2/NDF:2257492.3/24

Right Out: 0.396+/-0.000 χ^2/NDF: 3080977.2/31

Left In: 0.435+/-0.000 χ^2/NDF:1769716.0/22

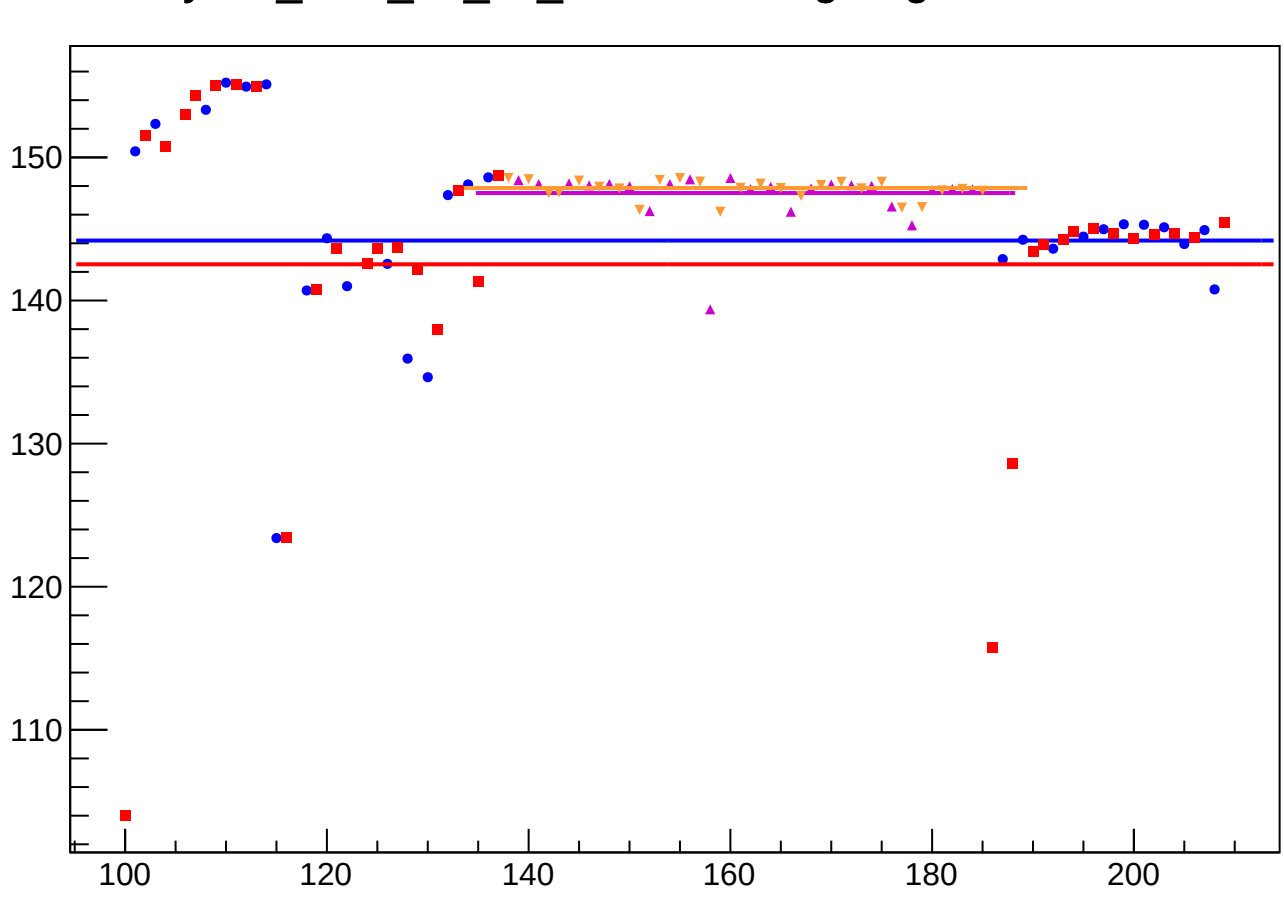
Left: 0.431+/-0.000 χ^2/NDF: 4033919.8/47

Right: 0.394+/-0.000 χ^2/NDF: 6290254.5/58

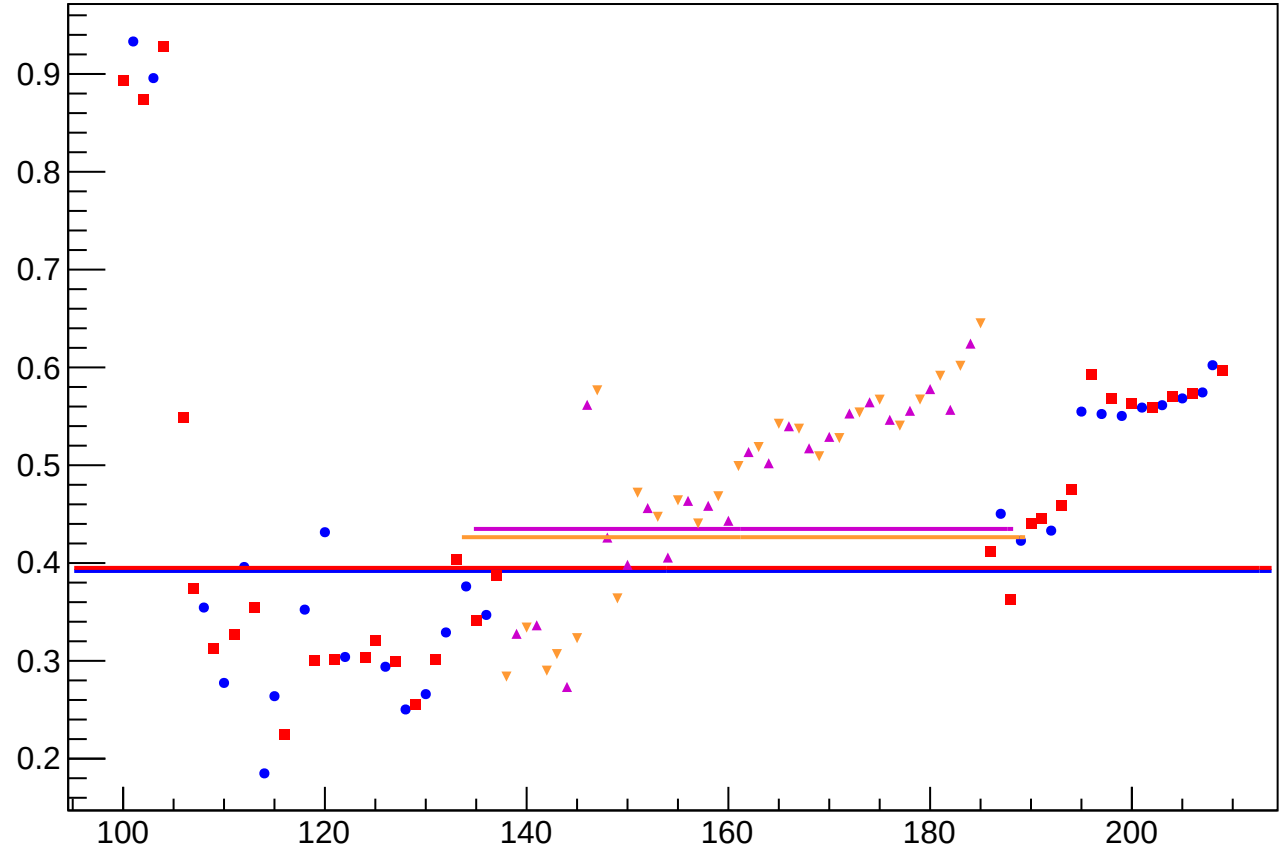
In: 0.414+/-0.000 χ^2/NDF:5133999.8/49

Out: 0.412+/-0.000 χ^2/NDF:5427696.7/56

All: 0.413+/-0.000 χ^2/NDF: 10563149.6/106


yield_bcm_an_us_mean vs Slug, Sign Corrected
150
140
130
120
110
100
120
140
160
180
200
Right In: 144.190+/-0.000 χ²/NDF: 3767068810.1/26
Left Out: 147.864+/-0.000 χ²/NDF:44922014.2/24
Right Out: 142.531+/-0.000 χ²/NDF: 7568555875.0/31
Left In: 147.511+/-0.000 χ²/NDF:306421789.5/22
Left: 147.695+/-0.000 χ²/NDF: 357135734.4/47
Right: 143.324+/-0.000 χ²/NDF: 11459830088.7/58
In: 145.877+/-0.000 χ²/NDF:4557418325.9/49
Out: 145.235+/-0.000 χ²/NDF:8974155591.9/56
All: 145.542+/-0.000 χ²/NDF: 1356938260

yield_bcm_an_us_rms vs Slug, Sign Corrected



Right In: 0.392+/-0.000 χ^2/NDF: 3222901.5/26

Left Out: 0.426+/-0.000 χ^2/NDF:2259192.5/24

Right Out: 0.395+/-0.000 χ^2/NDF: 3081510.6/31

Left In: 0.435+/-0.000 χ^2/NDF:1774903.7/22

Left: 0.430+/-0.000 χ^2/NDF: 4040738.3/47

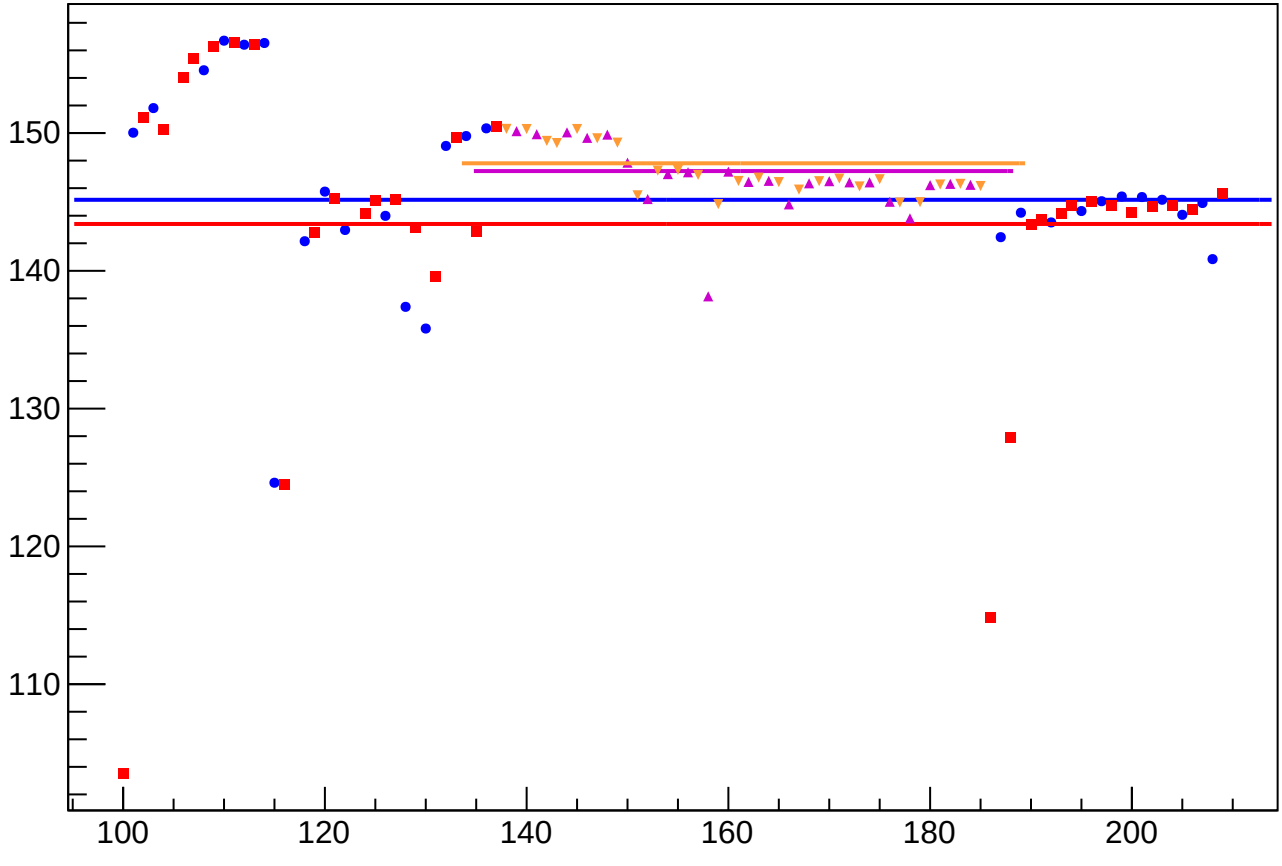
Right: 0.394+/-0.000 χ^2/NDF: 6305303.3/58

In: 0.414+/-0.000 χ^2/NDF:5159886.0/49

Out: 0.411+/-0.000 χ^2/NDF:5434888.8/56

All: 0.412+/-0.000 χ^2/NDF: 10596189.7/106

yield_bcm_dg_us_mean vs Slug, Sign Corrected



Right In: 145.156+/-0.000 χ^2/NDF: 3561315126.8/26

Left Out: 147.804+/-0.000 χ^2/NDF:327059704.2/24

Right Out: 143.401+/-0.000 χ^2/NDF: 7625969267.2/31

Left In: 147.241+/-0.000 χ^2/NDF:618679483.9/22

Left: 147.533+/-0.000 χ^2/NDF: 959733428.8/47

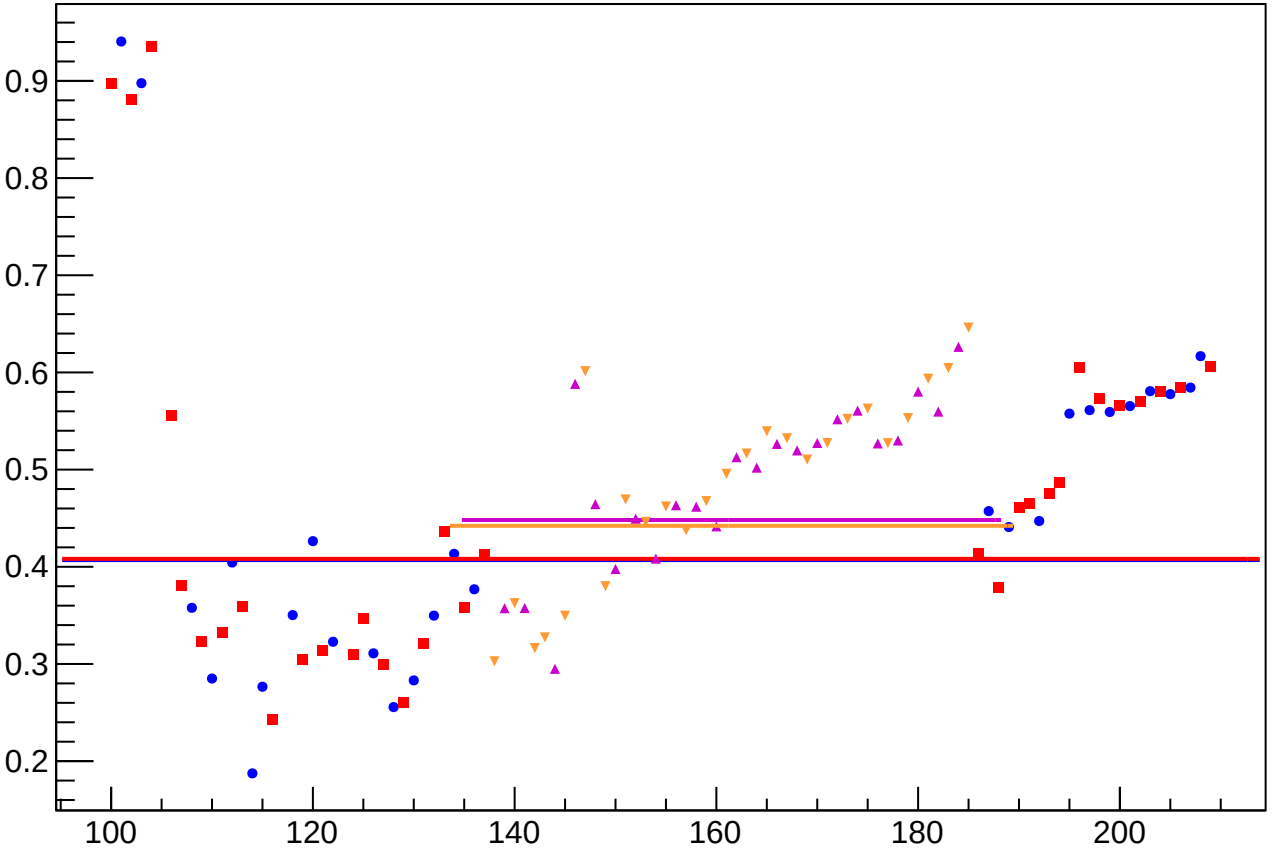
Right: 144.236+/-0.000 χ^2/NDF: 11317073081.5/58

In: 146.227+/-0.000 χ^2/NDF:4359671294.2/49

Out: 145.638+/-0.000 χ^2/NDF:8825411919.2/56

All: 145.920+/-0.000 χ^2/NDF: 13215057749.

yield_bcm_dg_us_rms vs Slug, Sign Corrected



Right In: 0.407+/-0.000 χ^2/NDF: 3053769.1/26

Left Out: 0.442+/-0.000 χ^2/NDF:1704199.1/24

Right Out: 0.408+/-0.000 χ^2/NDF: 2938177.6/31

Left In: 0.448+/-0.000 χ^2/NDF:1347802.9/22

Left: 0.445+/-0.000 χ^2/NDF: 3055136.8/47

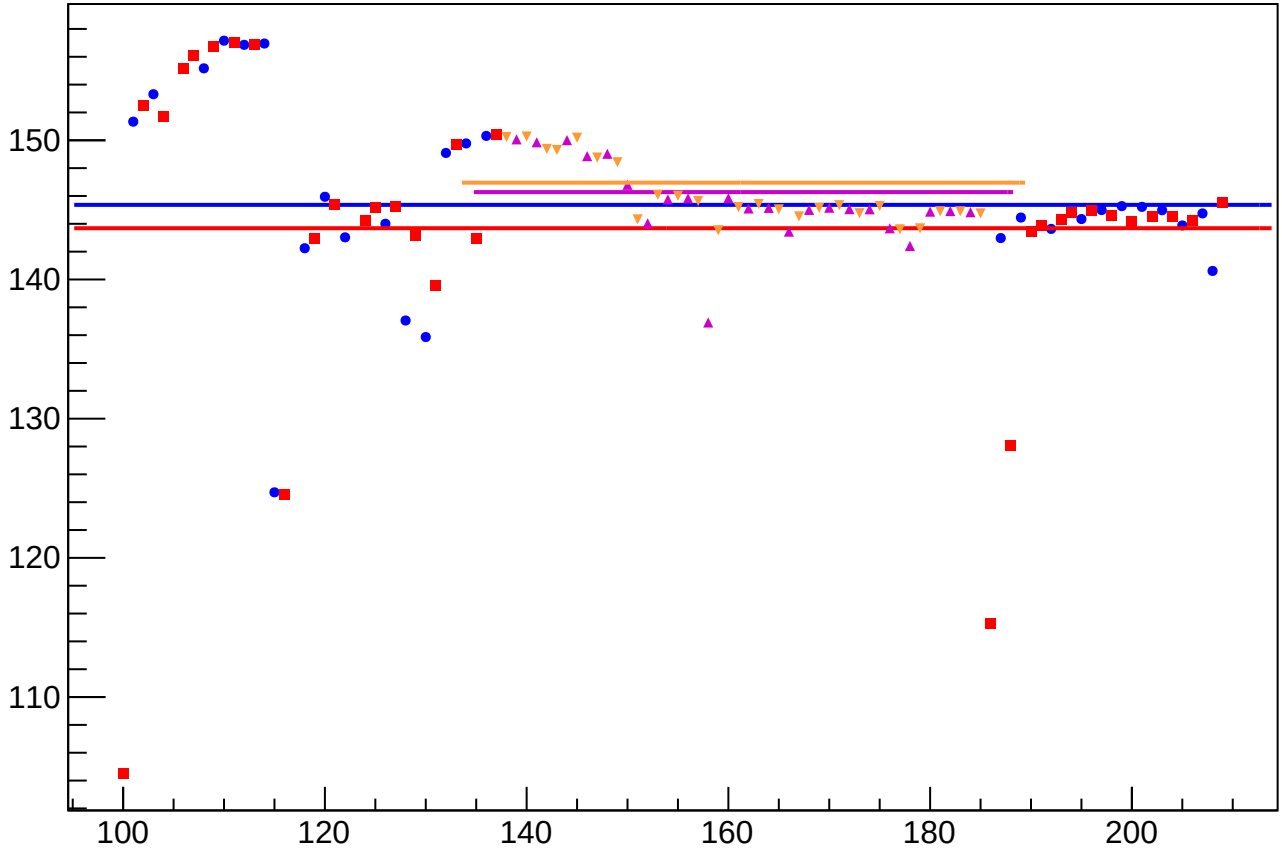
Right: 0.408+/-0.000 χ^2/NDF: 5992086.0/58

In: 0.428+/-0.000 χ^2/NDF:4542215.4/49

Out: 0.425+/-0.000 χ^2/NDF:4746389.6/56

All: 0.427+/-0.000 χ^2/NDF: 9289811.0/106

yield_bcm_dg_ds_mean vs Slug, Sign Corrected



Right In: 145.361+/-0.000 χ^2/NDF: 3720748036.0/26

Left Out: 146.956+/-0.000 χ^2/NDF:542800379.5/24

Right Out: 143.684+/-0.000 χ^2/NDF: 7681613570.4/31

Left In: 146.278+/-0.000 χ^2/NDF:825161532.5/22

Left: 146.630+/-0.000 χ^2/NDF: 1388188459.0/47

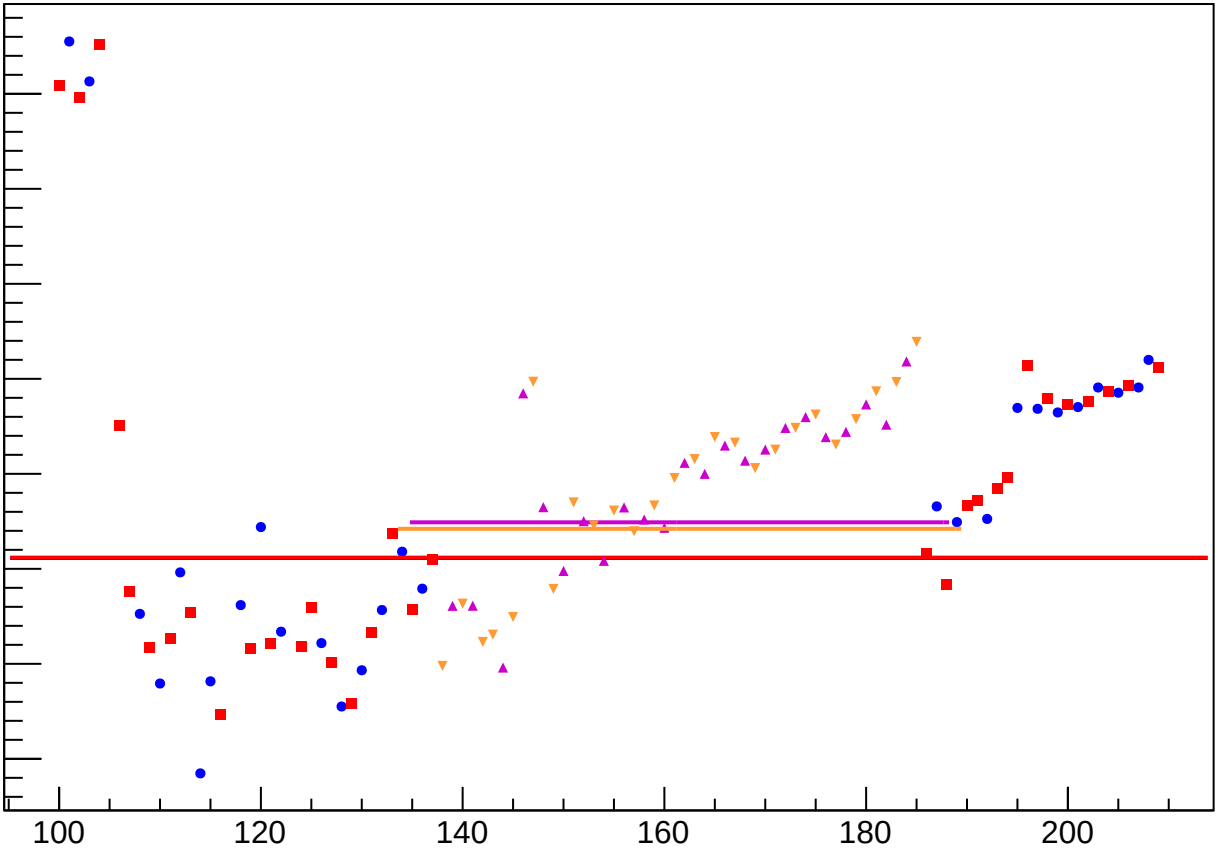
Right: 144.480+/-0.000 χ^2/NDF: 11518229212.2/58

In: 145.837+/-0.000 χ^2/NDF:4580131445.0/49

Out: 145.363+/-0.000 χ^2/NDF:8700989295.6/56

All: 145.590+/-0.000 χ^2/NDF: 13300295619.

yield_bcm_dg_ds_rms vs Slug, Sign Corrected



Right In: 0.411+/-0.000 χ^2/NDF: 3087896.6/26

Left Out: 0.442+/-0.000 χ^2/NDF:1676682.9/24

Right Out: 0.412+/-0.000 χ^2/NDF: 2966221.6/31

Left In: 0.449+/-0.000 χ^2/NDF:1300658.3/22

Left: 0.445+/-0.000 χ^2/NDF: 2981452.0/47

Right: 0.412+/-0.000 χ^2/NDF: 6054130.4/58

In: 0.431+/-0.000 χ^2/NDF:4503420.2/49

Out: 0.427+/-0.000 χ^2/NDF:4724803.1/56

All: 0.429+/-0.000 χ^2/NDF: 9230380.9/106

yield_cav4bQ_mean vs Slug, Sign Corrected

Right In: 871.729+/-0.000 χ^2/NDF: 12880450454175.3/26

Left Out: 157.566+/-0.000 χ^2/NDF:104641292.0/24

Right Out: 871.548+/-0.000 χ^2/NDF: 159585995159026.6/31

Left In: 157.013+/-0.000 χ^2/NDF:239819941.9/22

Left: 157.295+/-0.000 χ^2/NDF: 349528490.6/47

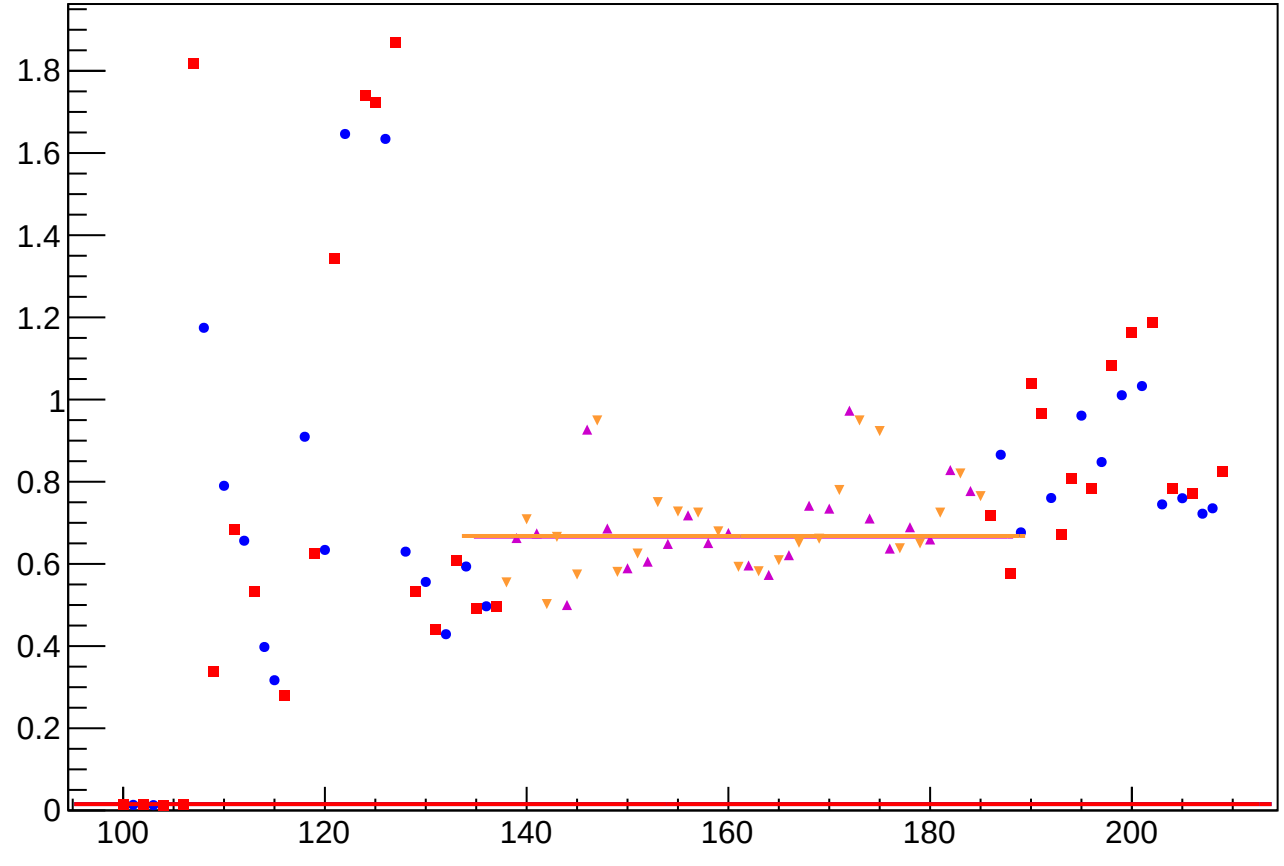
Right: 871.632+/-0.000 χ^2/NDF: 28839174577500.9

In: 868.497+/-0.000 χ^2/NDF:29360830351536.3/4

Out: 868.618+/-0.000 χ^2/NDF:33159195014348.9

All: 868.562+/-0.000 χ^2/NDF: 625200812885

yield_cav4bQ_rms vs Slug, Sign Corrected



Right In: 0.016+/-0.000 χ^2/NDF: 22954600.3/26

Left Out: 0.668+/-0.000 χ^2/NDF:681720.2/24

Right Out: 0.015+/-0.000 χ^2/NDF: 25171228.1/31

Left In: 0.666+/-0.000 χ^2/NDF:536078.9/22

Left: 0.667+/-0.000 χ^2/NDF: 1217874.8/47

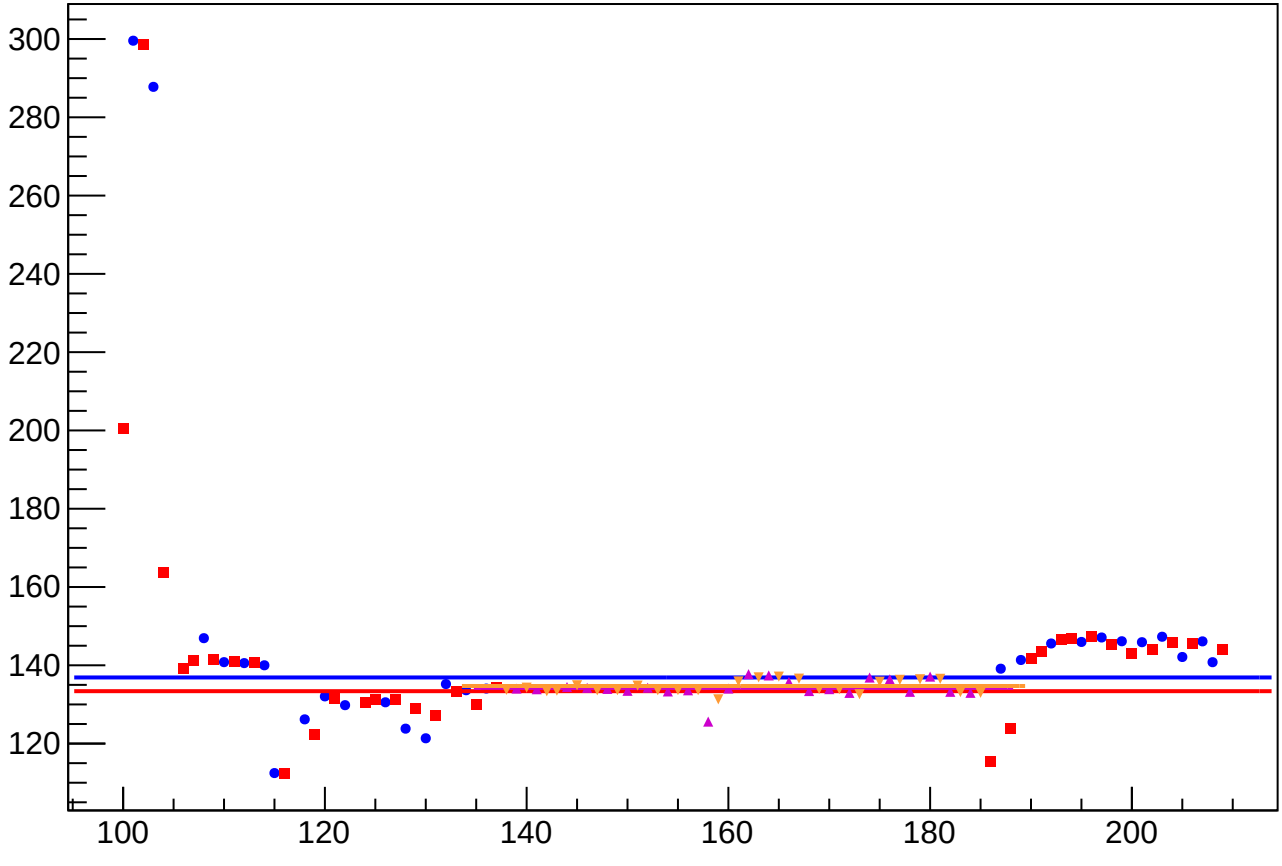
Right: 0.015+/-0.000 χ^2/NDF: 48125952.6/58

In: 0.018+/-0.000 χ^2/NDF:50828565.2/49

Out: 0.018+/-0.000 χ^2/NDF:54588621.4/56

All: 0.018+/-0.000 χ^2/NDF: 105418368.7/106

yield_cav4cQ_mean vs Slug, Sign Corrected



Right In: 136.894+/-0.000 χ^2/NDF: 3477891474.5/26

Left Out: 134.714+/-0.000 χ^2/NDF:159886495.0/24

Right Out: 133.389+/-0.000 χ^2/NDF: 5159150888.7/31

Left In: 134.250+/-0.000 χ^2/NDF:441522664.4/22

Left: 134.494+/-0.000 χ^2/NDF: 608238403.3/47

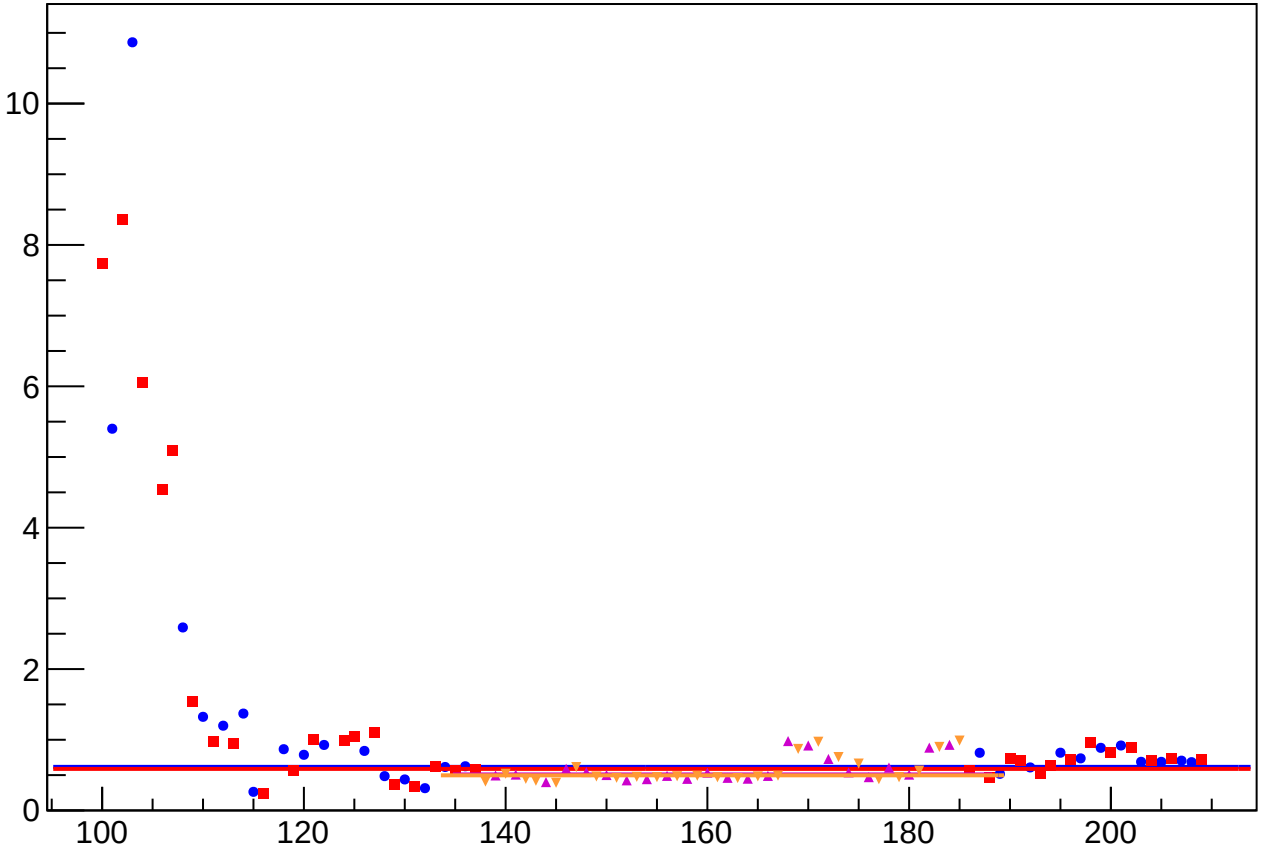
Right: 134.991+/-0.000 χ^2/NDF: 8821674068.3/58

In: 135.080+/-0.000 χ^2/NDF:4052154331.3/49

Out: 134.277+/-0.000 χ^2/NDF:5357711981.0/56

All: 134.654+/-0.000 χ^2/NDF: 9440069135.2

yield_cav4cQ_rms vs Slug, Sign Corrected



Right In: 0.617+/-0.000 χ^2/NDF: 4900218.1/26

Left Out: 0.497+/-0.000 χ^2/NDF:1572512.9/24

Right Out: 0.588+/-0.000 χ^2/NDF: 6001321.0/31

Left In: 0.510+/-0.000 χ^2/NDF:1485489.4/22

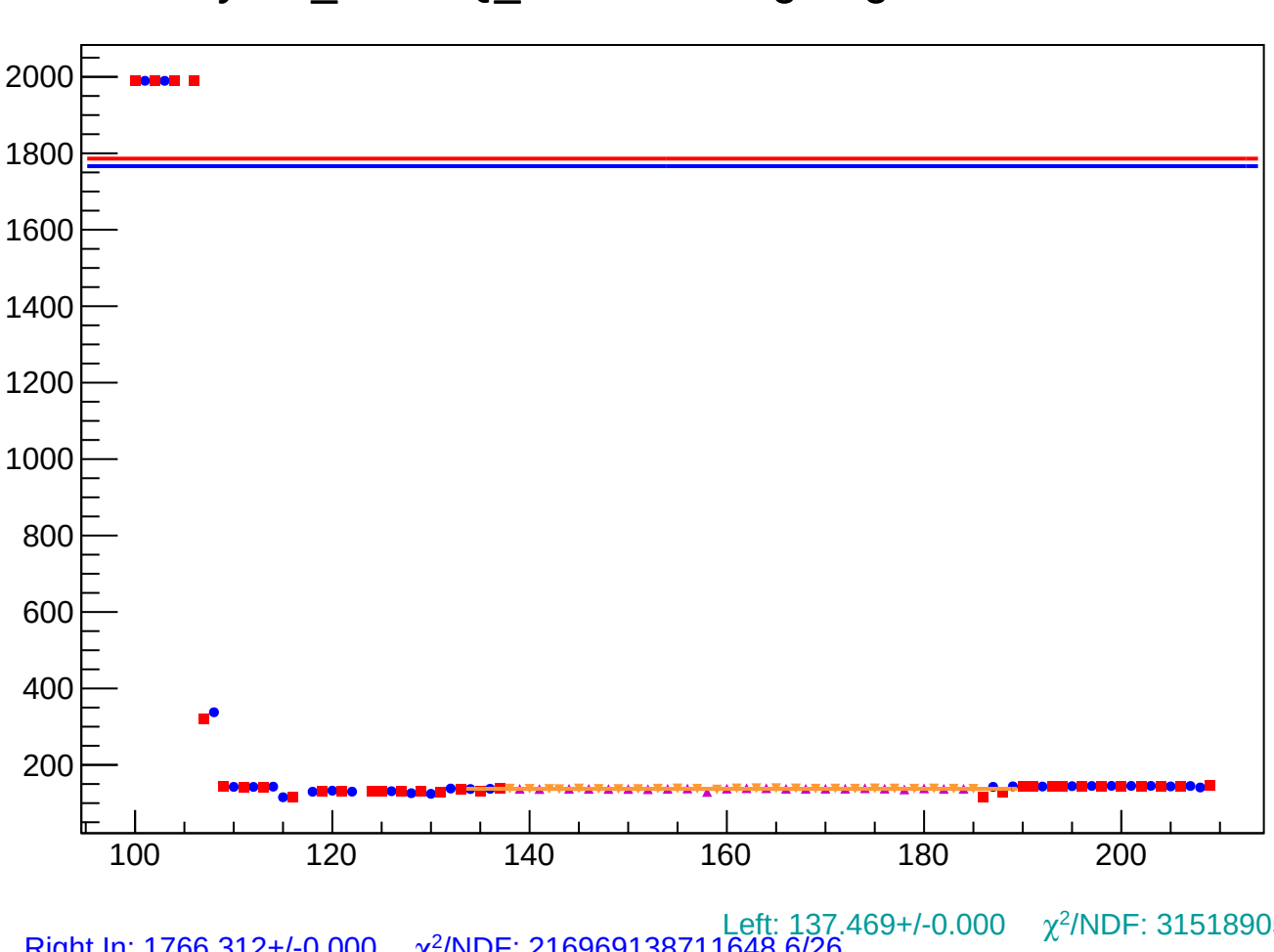
Left: 0.503+/-0.000 χ^2/NDF: 3068206.7/47

Right: 0.601+/-0.000 χ^2/NDF: 10926060.5/58

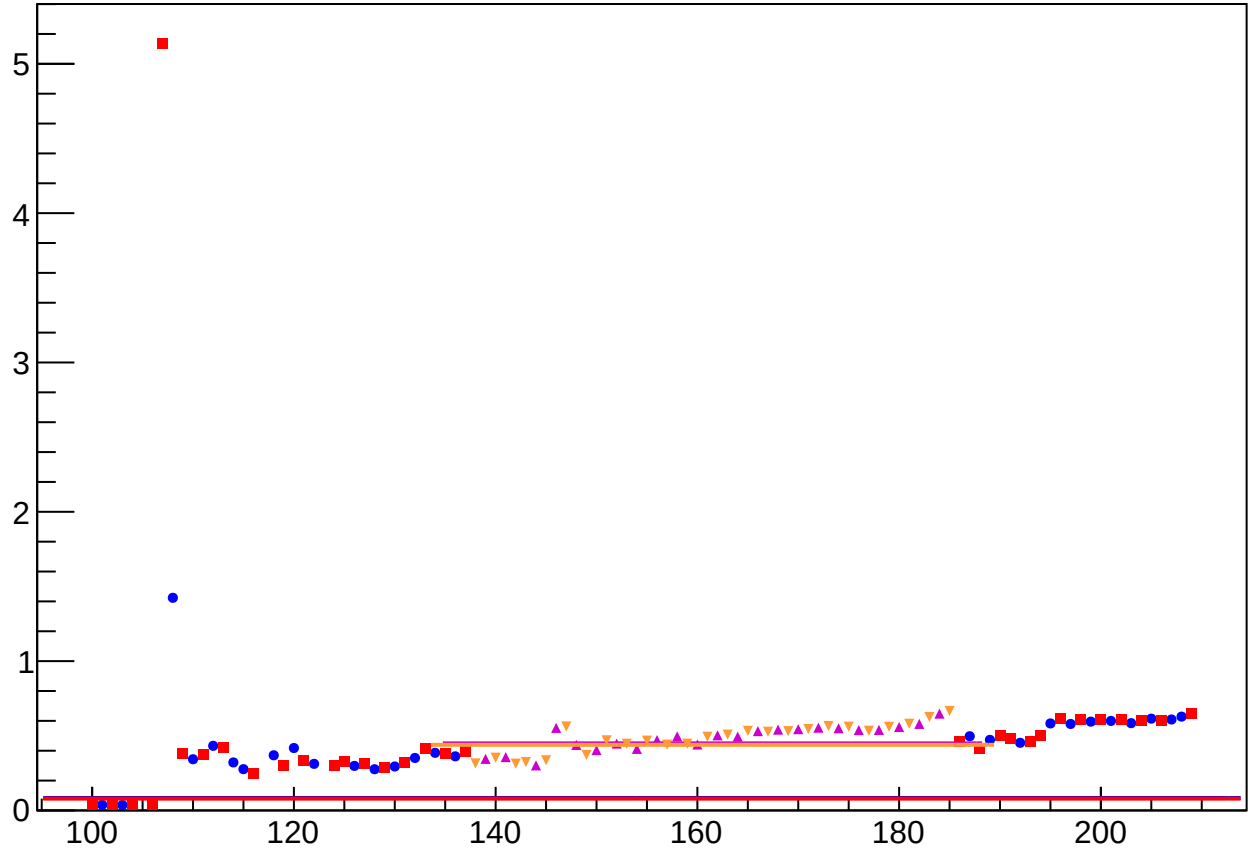
In: 0.543+/-0.000 χ^2/NDF:6820300.0/49

Out: 0.527+/-0.000 χ^2/NDF:7939853.5/56

All: 0.535+/-0.000 χ^2/NDF: 14784910.5/106


yield_cav4dQ_mean vs Slug, Sign Corrected
2000
1800
1600
1400
1200
1000
800
600
400
200
100
120
140
160
180
200
Right In: 1766.312+/-0.000 χ²/NDF: 216969138711648.6/26
Left Out: 137.578+/-0.000 χ²/NDF:64111345.2/24
Right Out: 1786.045+/-0.000 χ²/NDF: 2346229400 11003.6/31
Left In: 137.349+/-0.000 χ²/NDF:248752254.7/22
Left: 137.469+/-0.000 χ²/NDF: 315189054.5/47
Right: 1776.957+/-0.000 χ²/NDF: 45171731092002
In: 1563.285+/-0.000 χ²/NDF:414131759594038.
Out: 1592.580+/-0.000 χ²/NDF:457314840230852
All: 1579.028+/-0.000 χ²/NDF: 8717606757

yield_cav4dQ_rms vs Slug, Sign Corrected



Right In: 0.083+/-0.000 χ^2/NDF: 20658056.7/26

Left Out: 0.440+/-0.000 χ^2/NDF:1765604.0/24

Right Out: 0.079+/-0.000 χ^2/NDF: 22280881.7/31

Left In: 0.449+/-0.000 χ^2/NDF:1340860.2/22

Left: 0.444+/-0.000 χ^2/NDF: 3114822.4/47

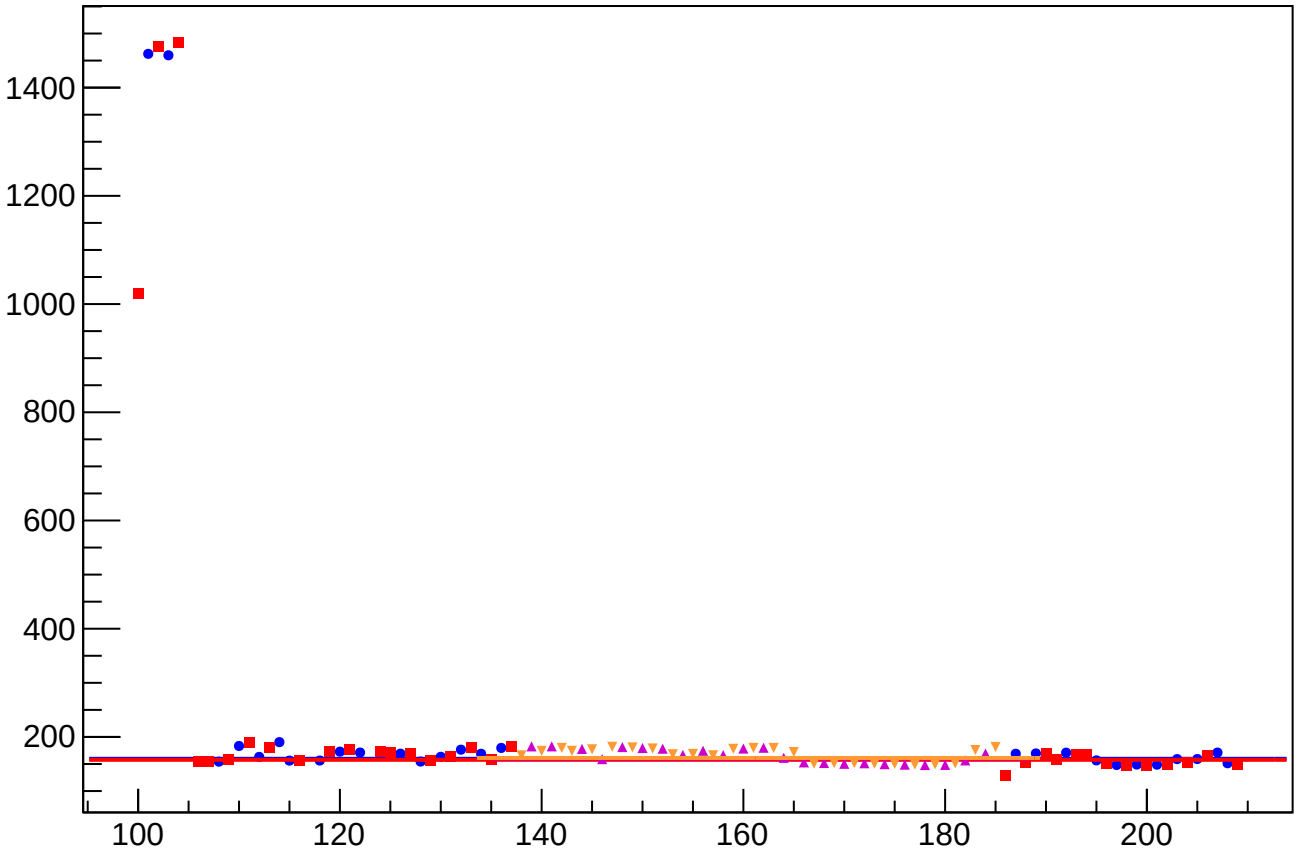
Right: 0.081+/-0.000 χ^2/NDF: 42948860.3/58

In: 0.129+/-0.000 χ^2/NDF:41894088.6/49

Out: 0.122+/-0.000 χ^2/NDF:45301340.6/56

All: 0.125+/-0.000 χ^2/NDF: 87234092.1/106

yield_bcm0l02_mean vs Slug, Sign Corrected



Right In: 159.586+/-0.000 χ^2/NDF: 15853866678.3/26

Left Out: 161.147+/-0.000 χ^2/NDF:3739064587.8/24

Right Out: 157.724+/-0.000 χ^2/NDF: 18306423902.1/31

Left In: 160.140+/-0.000 χ^2/NDF:3738383186.1/22

Left: 160.653+/-0.000 χ^2/NDF: 7489655459.9/47

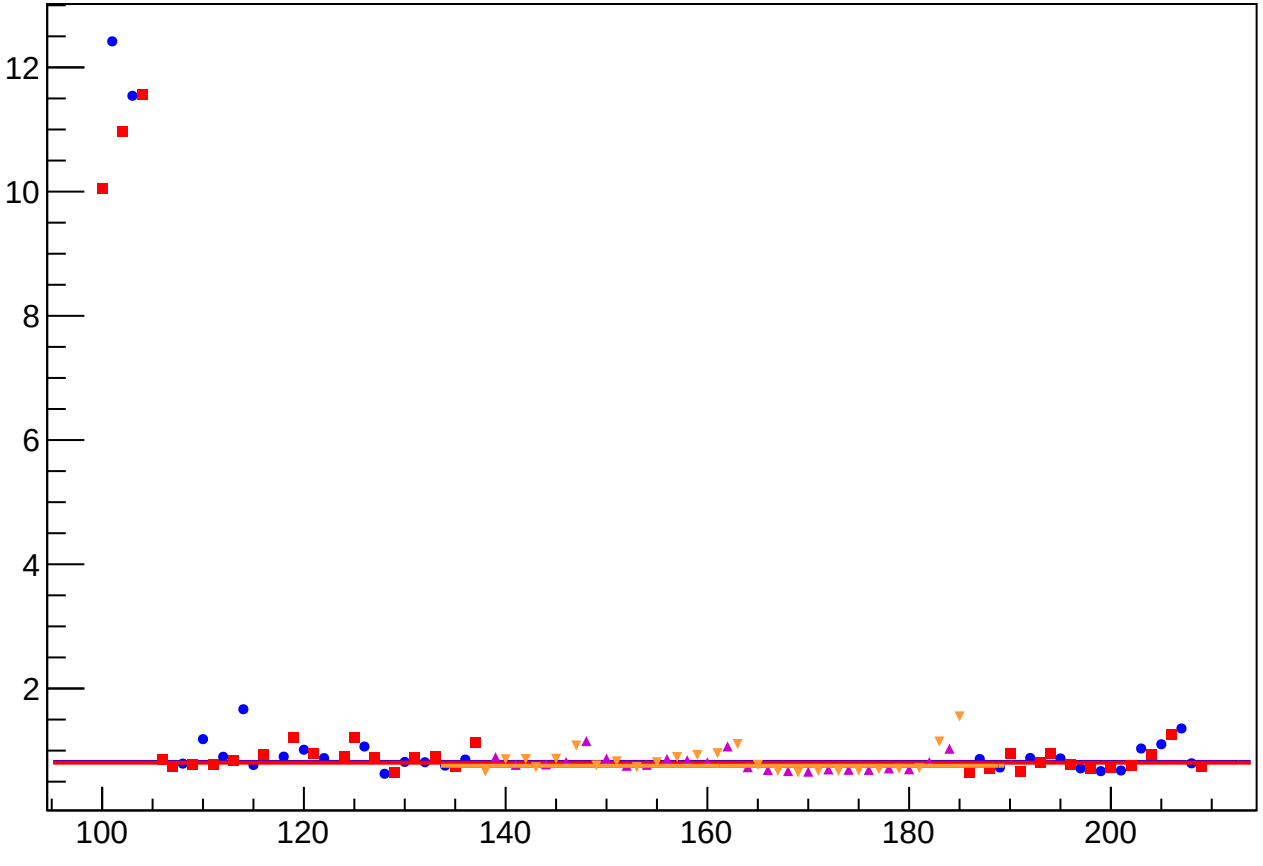
Right: 158.580+/-0.000 χ^2/NDF: 34189482357.2/58

In: 159.919+/-0.000 χ^2/NDF:19595126289.8/49

Out: 159.684+/-0.000 χ^2/NDF:22168328406.0/56

All: 159.796+/-0.000 χ^2/NDF: 41764592208.

yield_bcm0l02_rms vs Slug, Sign Corrected



Right In: 0.818+/-0.000 χ^2/NDF: 2854415.4/26

Left Out: 0.756+/-0.000 χ^2/NDF:750259.3/24

Right Out: 0.806+/-0.000 χ^2/NDF: 2625946.4/31

Left In: 0.755+/-0.000 χ^2/NDF:472792.1/22

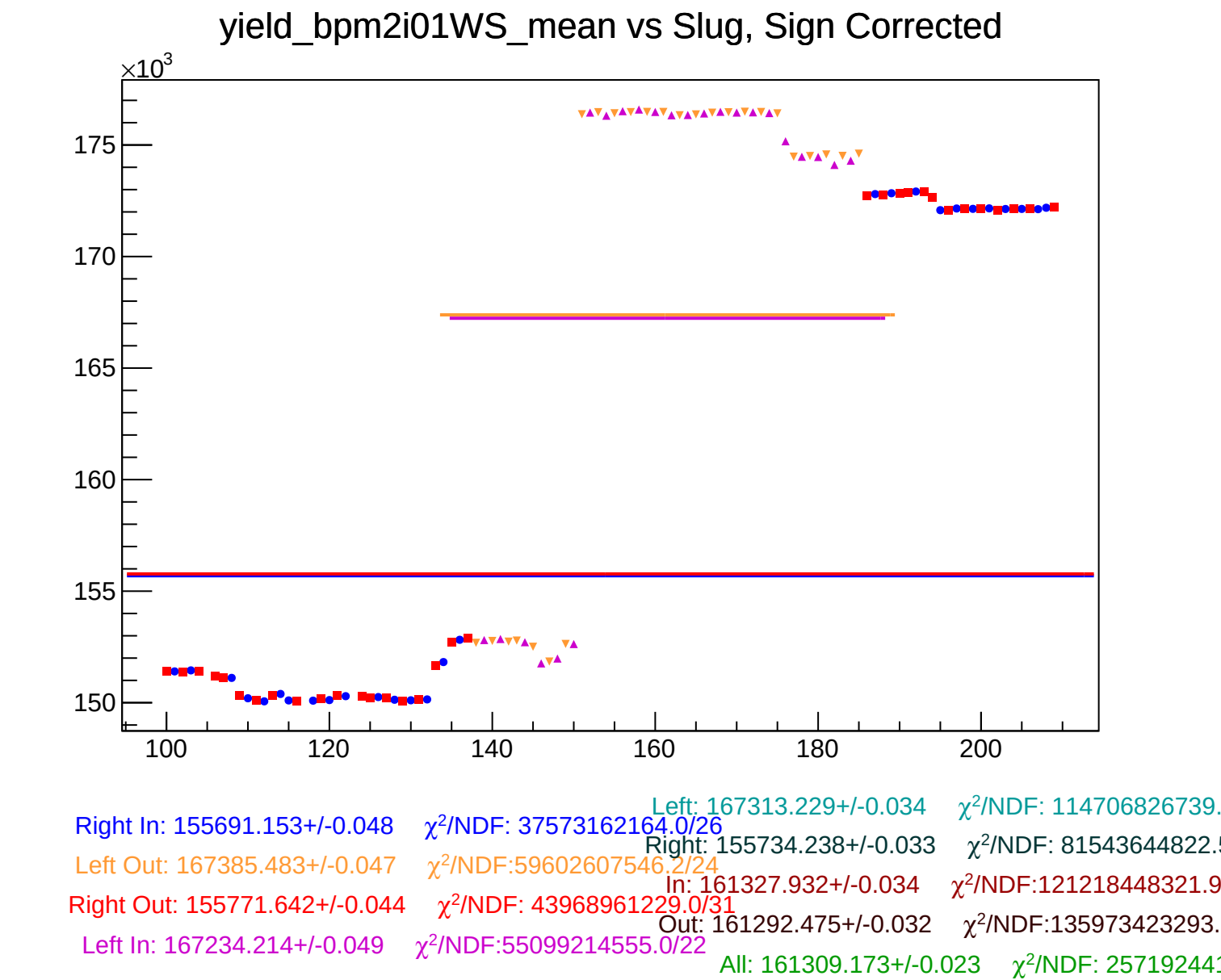
Left: 0.756+/-0.000 χ^2/NDF: 1223069.5/47

Right: 0.811+/-0.000 χ^2/NDF: 5482790.0/58

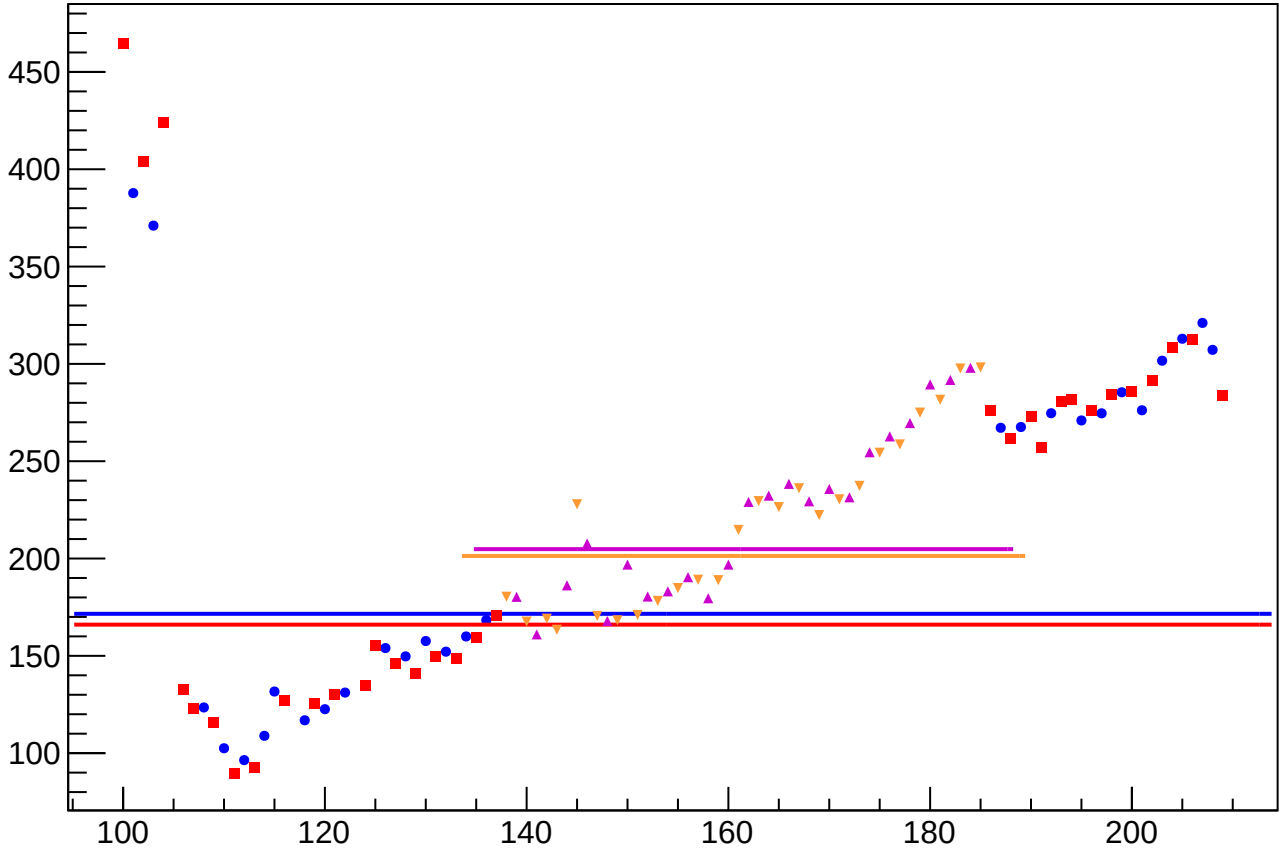
In: 0.780+/-0.000 χ^2/NDF:3400027.1/49

Out: 0.777+/-0.000 χ^2/NDF:3427387.4/56

All: 0.779+/-0.000 χ^2/NDF: 6827731.9/106


yield_bpm2i01WS_mean vs Slug, Sign Corrected
×10^3
175
170
165
160
155
150
100
120
140
160
180
200
Right In: 155691.153+/-0.048 χ²/NDF: 37573162164.0/26
Left Out: 167385.483+/-0.047 χ²/NDF:59602607546.2/24
Right Out: 155771.642+/-0.044 χ²/NDF: 43968961229.0/31
Left In: 167234.214+/-0.049 χ²/NDF:55099214555.0/22
Left: 167313.229+/-0.034 χ²/NDF: 114706826739.
Right: 155734.238+/-0.033 χ²/NDF: 81543644822.5
In: 161327.932+/-0.034 χ²/NDF:121218448321.9
Out: 161292.475+/-0.032 χ²/NDF:135973423293.
All: 161309.173+/-0.023 χ²/NDF: 25719244

yield_bpm2i01WS_rms vs Slug, Sign Corrected



Right In: 171.590+/-0.034 χ^2/NDF: 5107798.6/26

Left Out: 201.329+/-0.033 χ^2/NDF:1230655.6/24

Right Out: 166.029+/-0.031 χ^2/NDF: 6055760.3/31

Left In: 204.826+/-0.035 χ^2/NDF:1053130.7/22

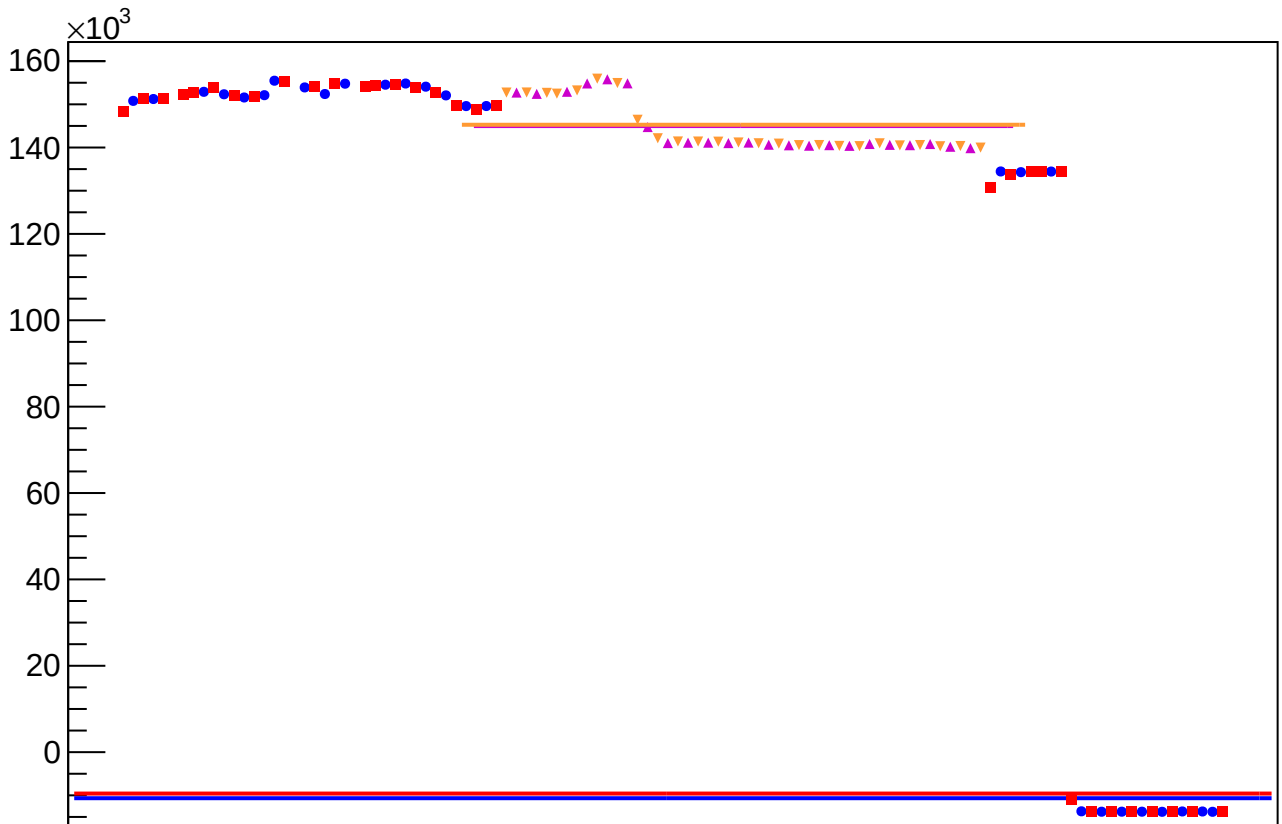
Left: 202.999+/-0.024 χ^2/NDF: 2289136.5/47

Right: 168.613+/-0.023 χ^2/NDF: 11178081.8/58

In: 187.820+/-0.024 χ^2/NDF:6634242.5/49

Out: 182.809+/-0.023 χ^2/NDF:7885071.6/56

All: 185.169+/-0.017 χ^2/NDF: 14542091.0/10



Right In: -10663.809+/-0.009 χ^2/NDF: 5870421332627.6/26

Left Out: 145269.857+/-0.049 χ^2/NDF:13706269279.5/24

Right Out: -9586.344+/-0.009 χ^2/NDF: 7134274483528.4/31

Left In: 144966.398+/-0.051 χ^2/NDF:13154547043.3/22

Left: 145123.606+/-0.036 χ^2/NDF: 26879011850.5

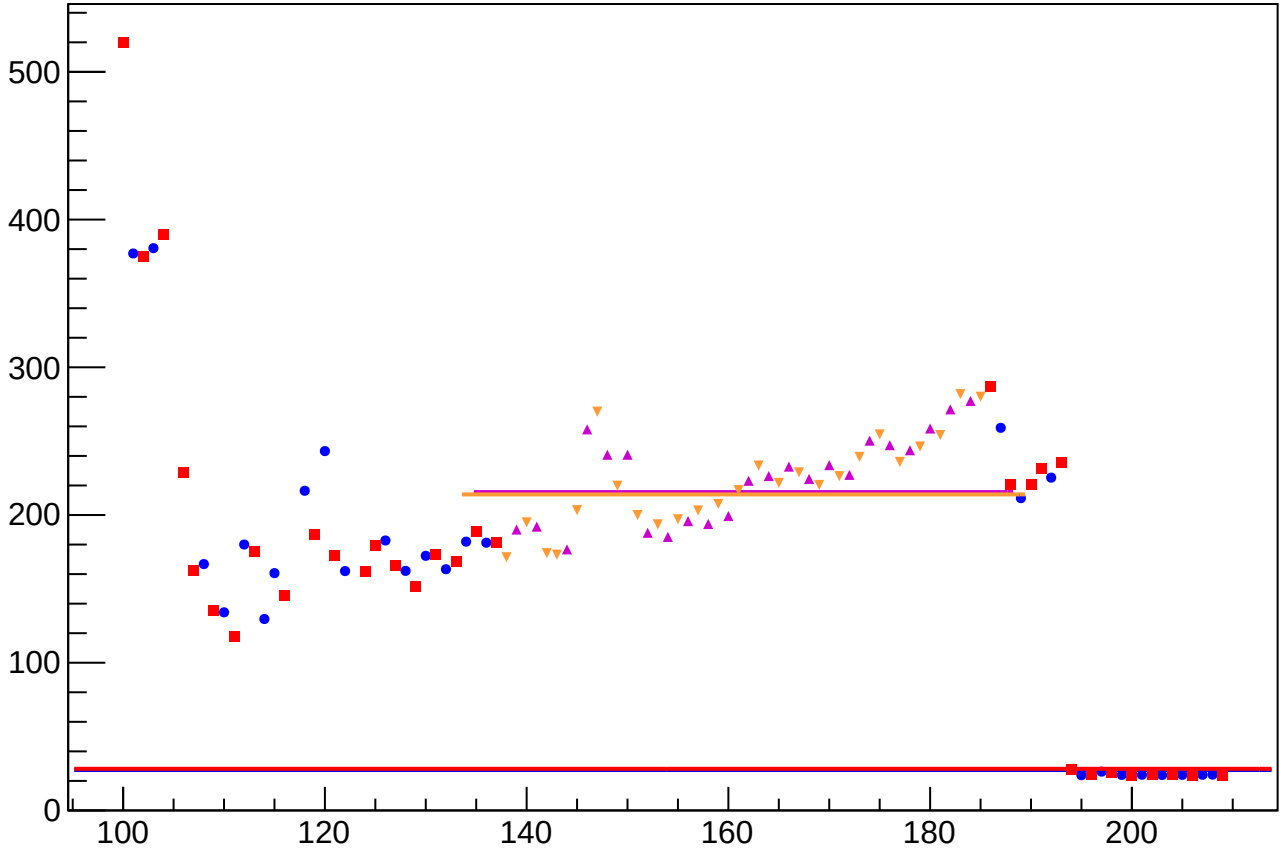
Right: -10139.085+/-0.007 χ^2/NDF: 130113498102

In: -5778.601+/-0.009 χ^2/NDF:14831552432253.2

Out: -4105.029+/-0.009 χ^2/NDF:16631537426429

All: -4961.840+/-0.006 χ^2/NDF: 3147969865

yield_bpm0i07WS_rms vs Slug, Sign Corrected



Right In: 27.396+/-0.007 χ^2/NDF: 12665304.6/26

Left Out: 213.951+/-0.035 χ^2/NDF:650607.8/24

Right Out: 28.204+/-0.007 χ^2/NDF: 14435245.6/31

Left In: 215.539+/-0.036 χ^2/NDF:600575.7/22

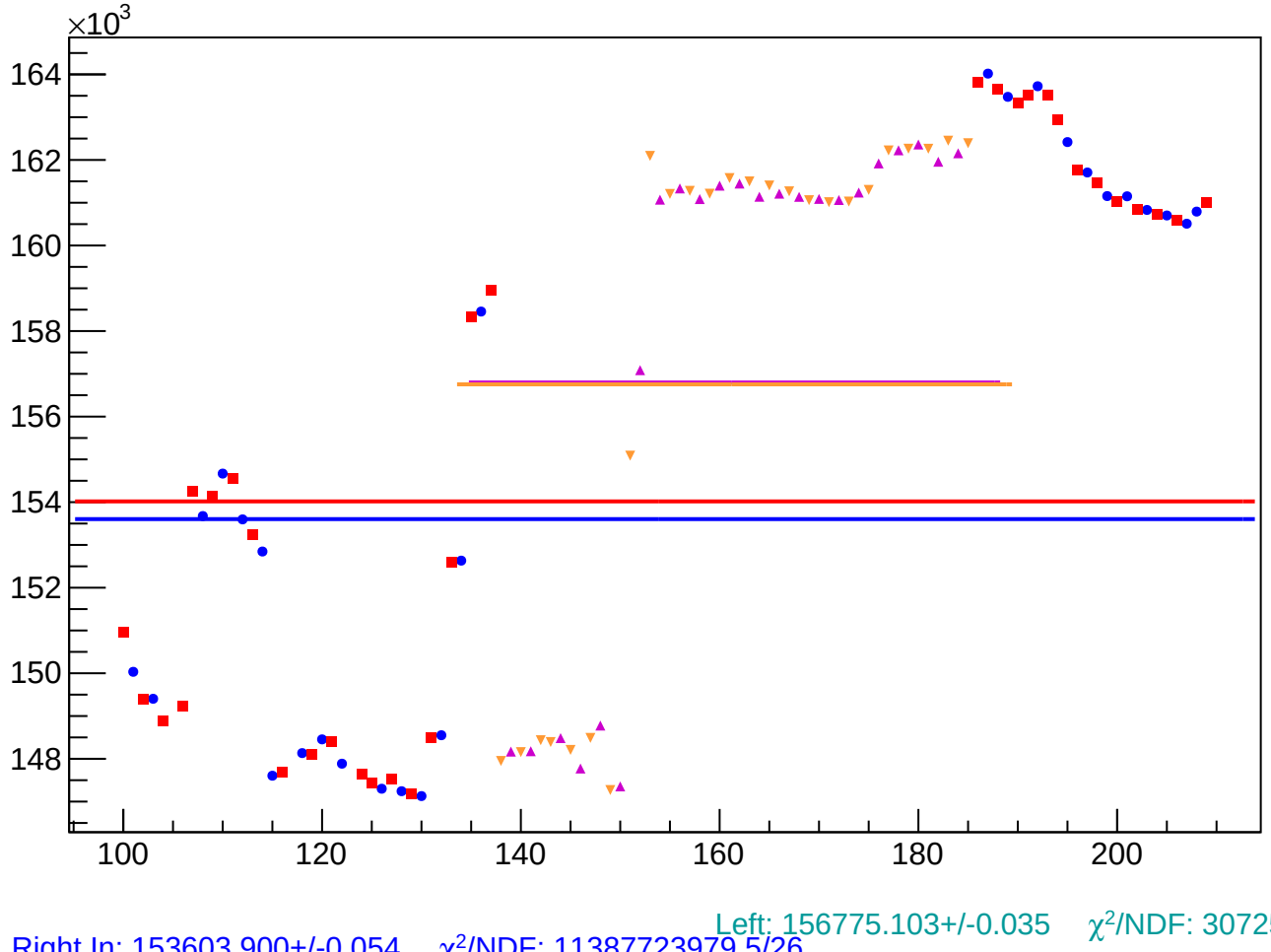
Left: 214.716+/-0.025 χ^2/NDF: 1252179.3/47

Right: 27.790+/-0.005 χ^2/NDF: 27108027.2/58

In: 33.302+/-0.006 χ^2/NDF:39419962.9/49

Out: 34.779+/-0.007 χ^2/NDF:42374893.4/56

All: 34.023+/-0.005 χ^2/NDF: 81820715.0/106



Right In: 153603.900+/-0.054 χ^2/NDF: 11387723979.5/26

Left Out: 156754.233+/-0.049 χ^2/NDF:16380807583.4/24

Right Out: 154017.693+/-0.051 χ^2/NDF: 12577613745.8/31

Left In: 156798.005+/-0.051 χ^2/NDF:14344098884.4/22

Left: 156775.103+/-0.035 χ^2/NDF: 30725292627.5

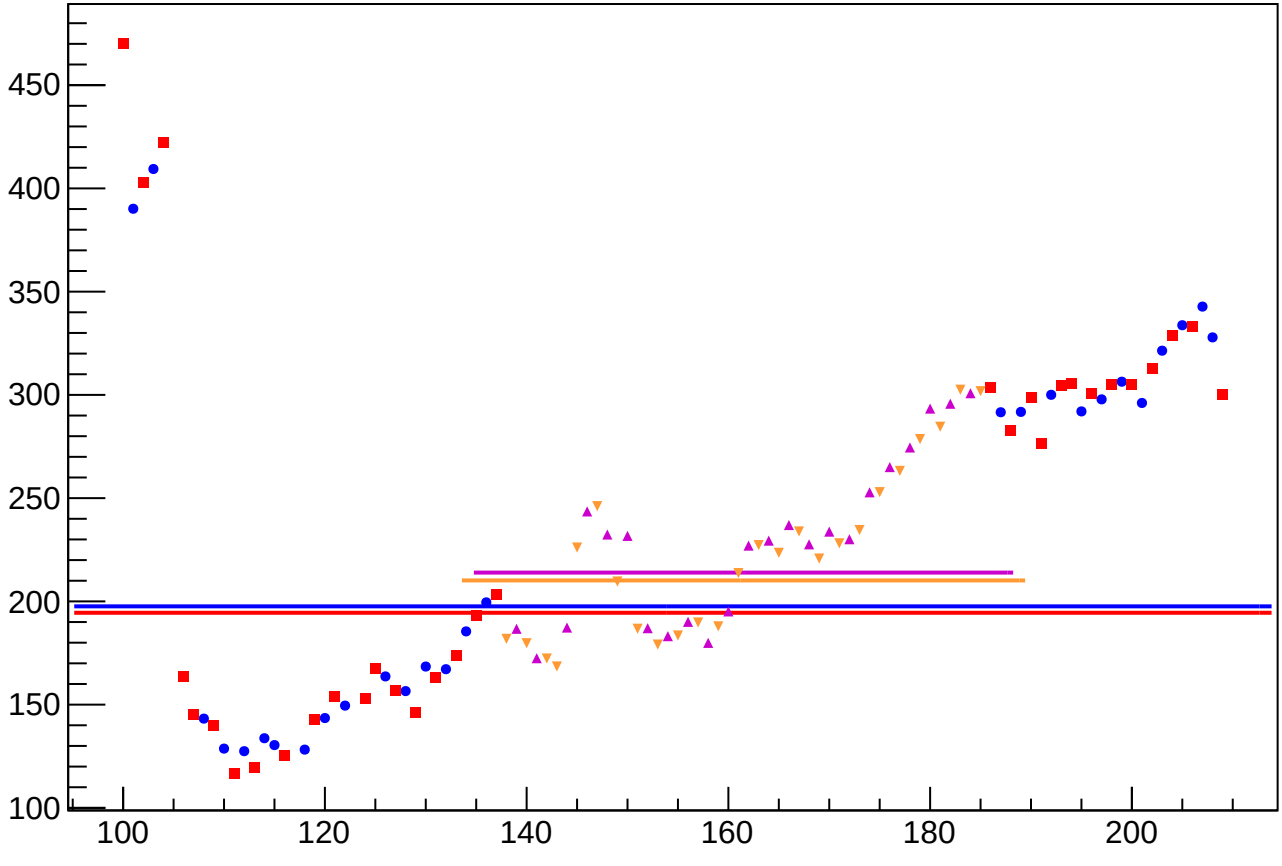
Right: 153822.070+/-0.037 χ^2/NDF: 2396207311.3

In: 155295.966+/-0.037 χ^2/NDF:27579897431.2/4

Out: 155456.319+/-0.035 χ^2/NDF:30459748035.2

All: 155380.170+/-0.026 χ^2/NDF: 58049463

yield_bpm0i01WS_rms vs Slug, Sign Corrected



Right In: 197.597+/-0.038 χ^2/NDF: 4266848.4/26

Left Out: 210.142+/-0.034 χ^2/NDF:997802.7/24

Right Out: 194.490+/-0.036 χ^2/NDF: 4831290.1/31

Left In: 213.945+/-0.036 χ^2/NDF:914465.3/22

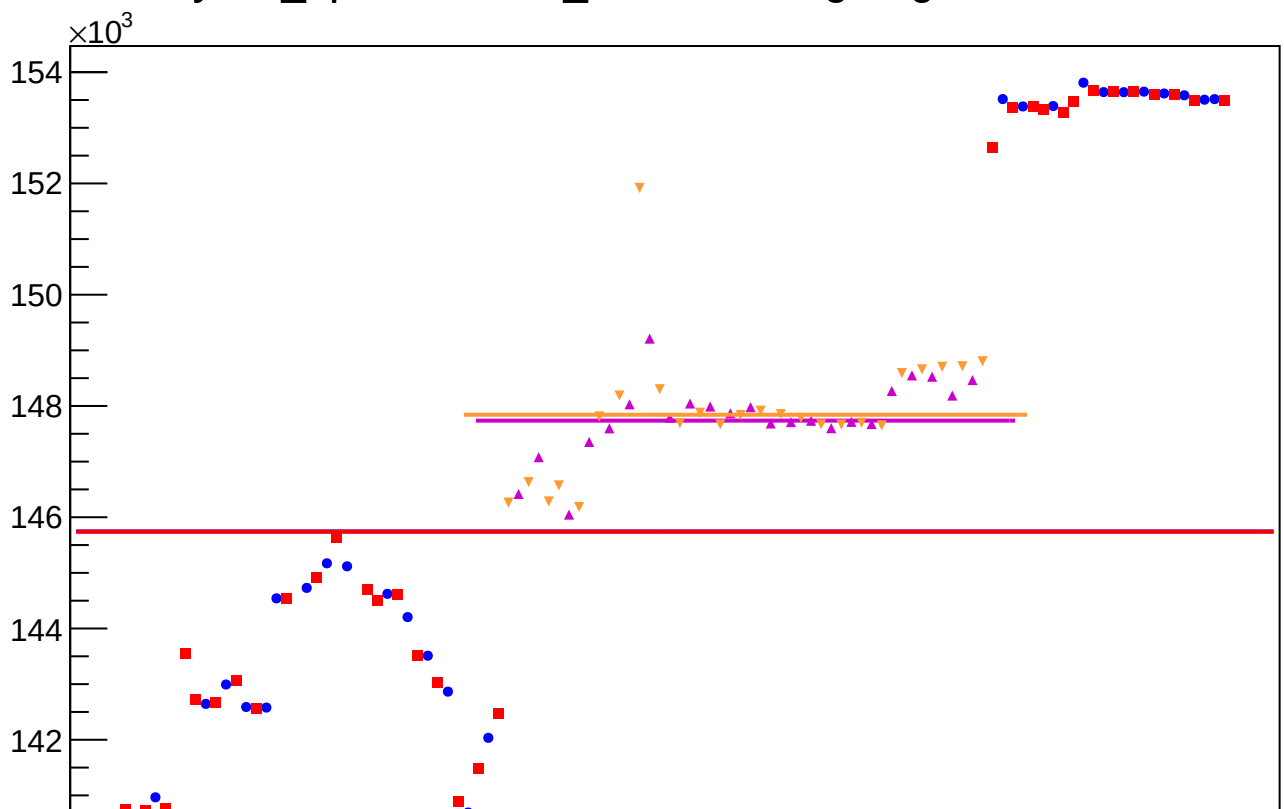
Left: 211.955+/-0.025 χ^2/NDF: 1918098.0/47

Right: 195.959+/-0.026 χ^2/NDF: 9101619.9/58

In: 206.257+/-0.026 χ^2/NDF:5278140.0/49

Out: 202.718+/-0.025 χ^2/NDF:5927327.6/56

All: 204.399+/-0.018 χ^2/NDF: 11215032.5/10



Right In: 145744.734+/-0.046 χ^2/NDF: 9376803722.3/26

Left Out: 147842.157+/-0.045 χ^2/NDF:713066054.2/24

Right Out: 145740.102+/-0.043 χ^2/NDF: 10737180659.7/31

Left In: 147736.722+/-0.047 χ^2/NDF:227077133.0/22

Left: 147791.782+/-0.033 χ^2/NDF: 942750848.6/47

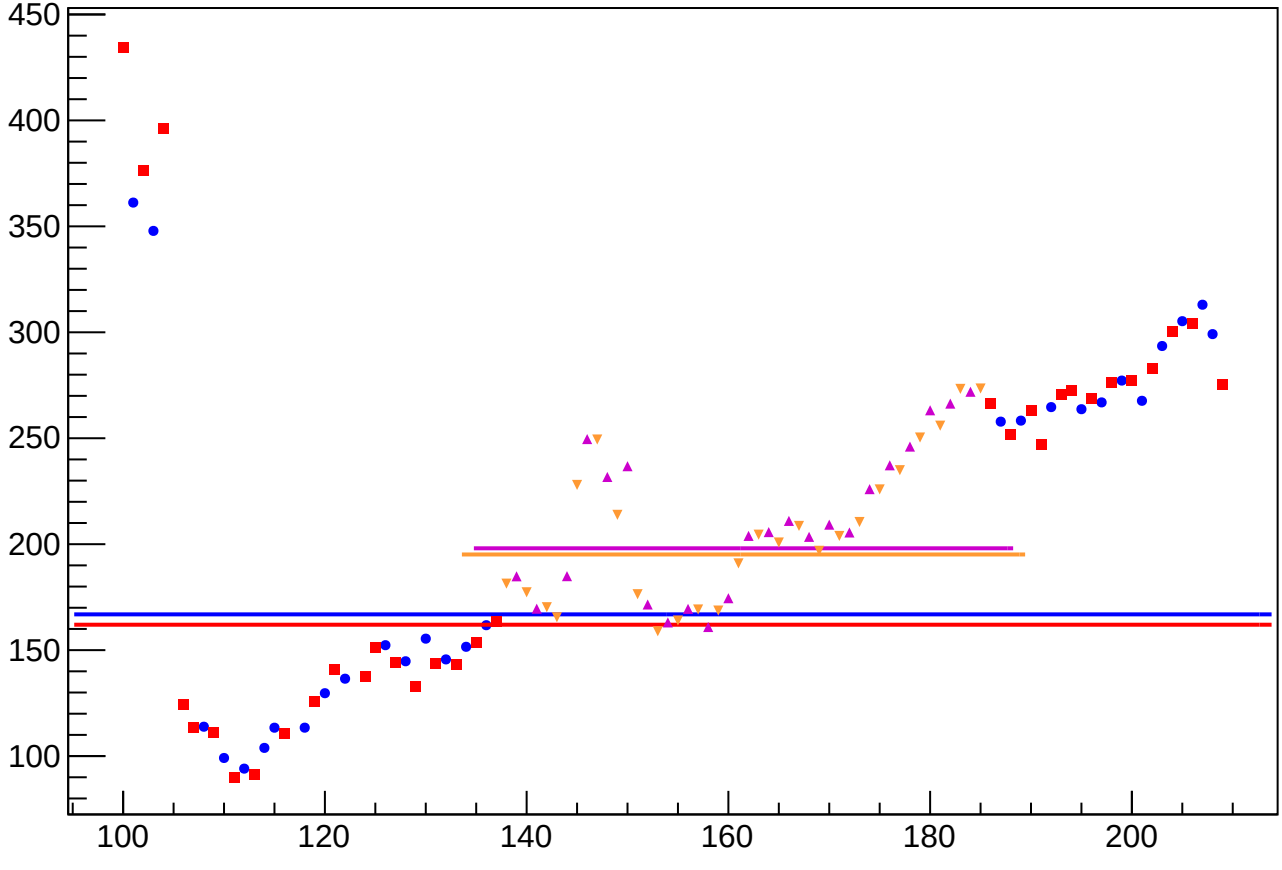
Right: 145742.257+/-0.032 χ^2/NDF: 20113989706.

In: 146724.548+/-0.033 χ^2/NDF:10509540760.3/4

Out: 146747.817+/-0.031 χ^2/NDF:12579659468.0/

All: 146736.849+/-0.023 χ^2/NDF: 23089461

yield_bpm0i01aWS_rms vs Slug, Sign Corrected



Right In: 166.882+/-0.033 χ^2/NDF: 5057326.7/26

Left Out: 195.145+/-0.032 χ^2/NDF:903994.2/24

Right Out: 161.997+/-0.031 χ^2/NDF: 5912101.7/31

Left In: 198.057+/-0.033 χ^2/NDF:900359.1/22

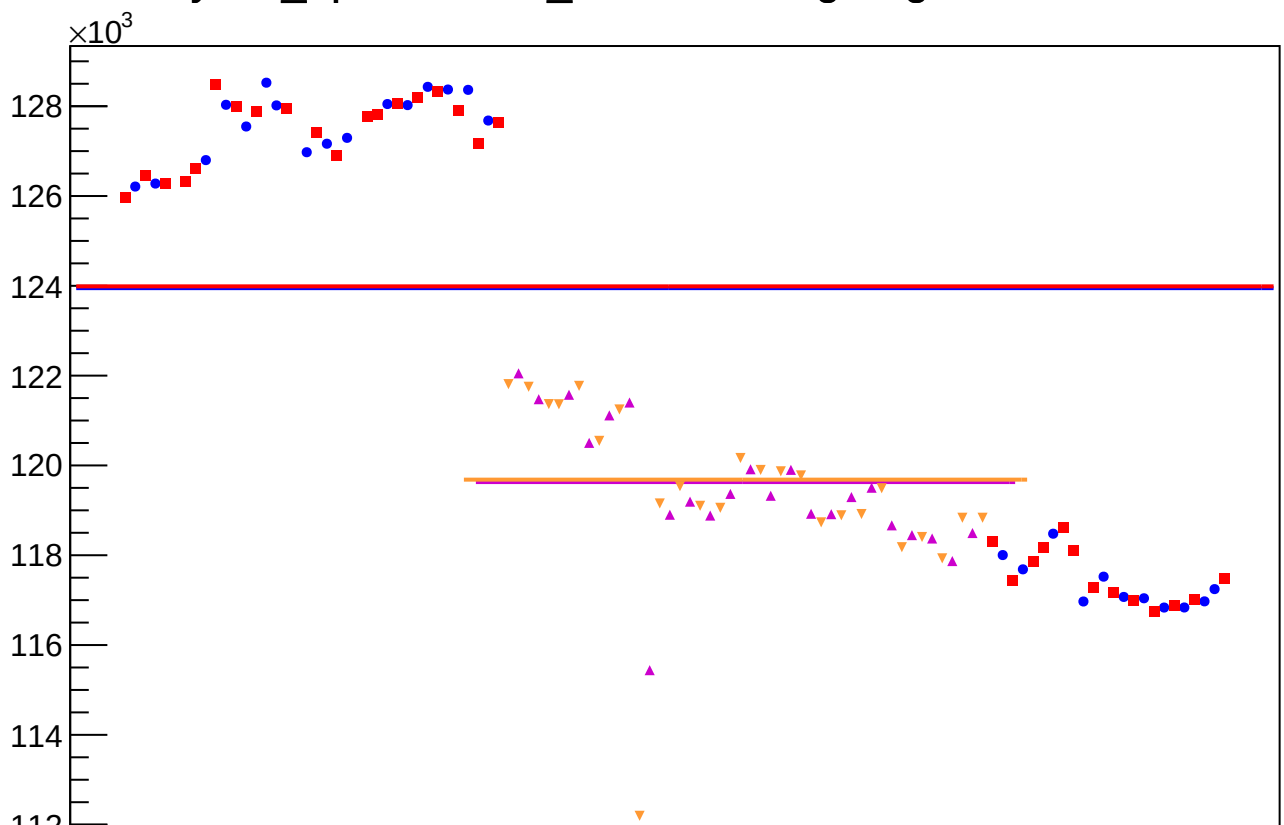
Left: 196.536+/-0.023 χ^2/NDF: 1808329.6/47

Right: 164.270+/-0.022 χ^2/NDF: 10981270.3/58

In: 182.216+/-0.023 χ^2/NDF:6401322.1/49

Out: 177.888+/-0.022 χ^2/NDF:7377823.4/56

All: 179.928+/-0.016 χ^2/NDF: 13797231.1/10



Right In: 123948.372+/-0.047 χ^2/NDF: 11599058368.7/26

Left Out: 119683.519+/-0.044 χ^2/NDF:1985993997.6/24

Right Out: 123988.113+/-0.044 χ^2/NDF: 12962080772.9/31

Left In: 119629.600+/-0.045 χ^2/NDF:1317214801.7/22

Left: 119656.996+/-0.032 χ^2/NDF: 3303938698.8/4

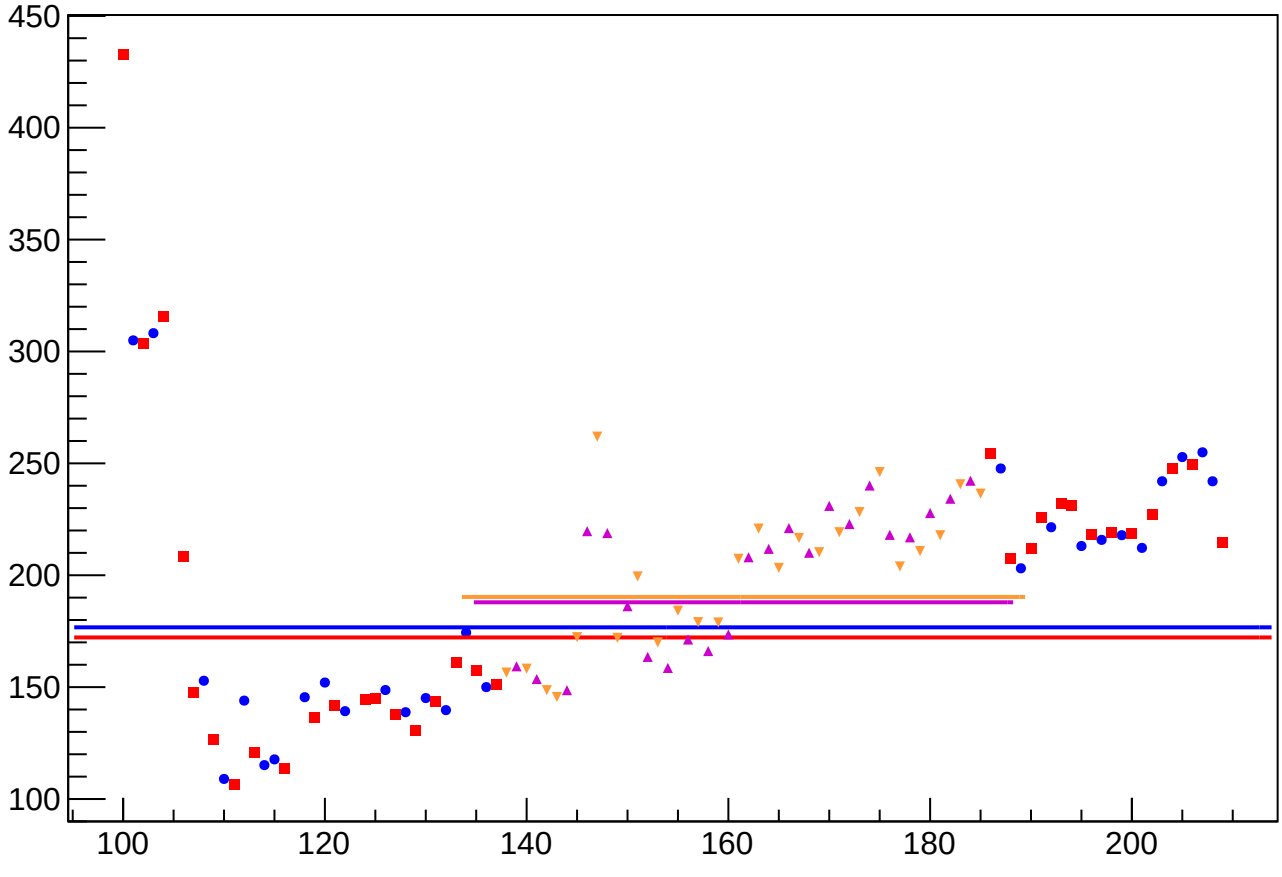
Right: 123969.509+/-0.032 χ^2/NDF: 24561524490.

In: 121708.778+/-0.032 χ^2/NDF:17353292447.7/4

Out: 121858.417+/-0.031 χ^2/NDF:19726262453.3/

All: 121786.566+/-0.022 χ^2/NDF: 37090646

yield_bpm0l01WS_rms vs Slug, Sign Corrected



Right In: 176.724+/-0.033 χ^2/NDF: 2205262.7/26

Left Out: 190.298+/-0.031 χ^2/NDF:924542.3/24

Right Out: 172.203+/-0.031 χ^2/NDF: 2784074.1/31

Left In: 187.909+/-0.032 χ^2/NDF:926037.0/22

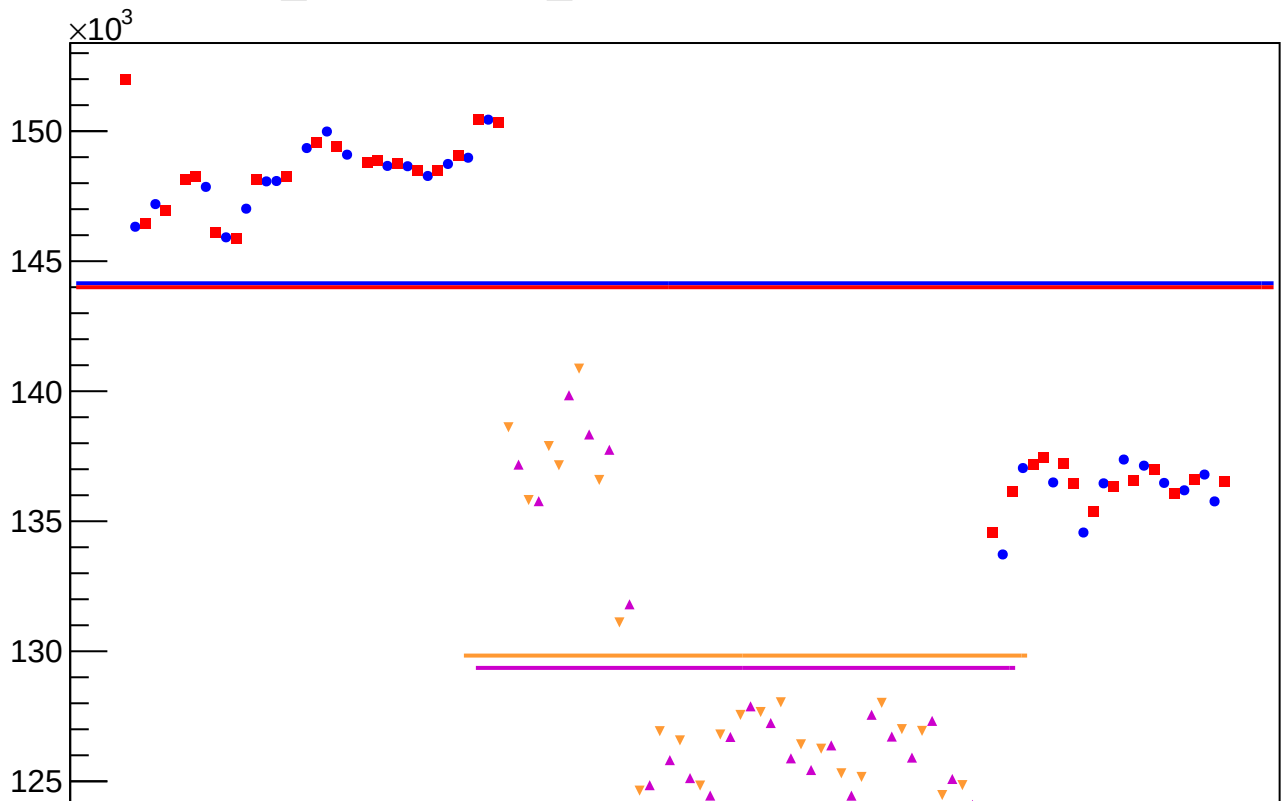
Left: 189.123+/-0.022 χ^2/NDF: 1853444.5/47

Right: 174.319+/-0.023 χ^2/NDF: 4999308.4/58

In: 182.524+/-0.023 χ^2/NDF:3190824.5/49

Out: 181.155+/-0.022 χ^2/NDF:3877475.1/56

All: 181.812+/-0.016 χ^2/NDF: 7070155.2/106



Right In: 144150.372+/-0.066 χ^2/NDF: 8217068066.4/26

Left Out: 129834.437+/-0.064 χ^2/NDF:6793515279.7/24

Right Out: 143998.268+/-0.061 χ^2/NDF: 9014370092.9/31

Left In: 129360.487+/-0.065 χ^2/NDF:6626094577.9/22

Left: 129601.685+/-0.046 χ^2/NDF: 13446375271.9

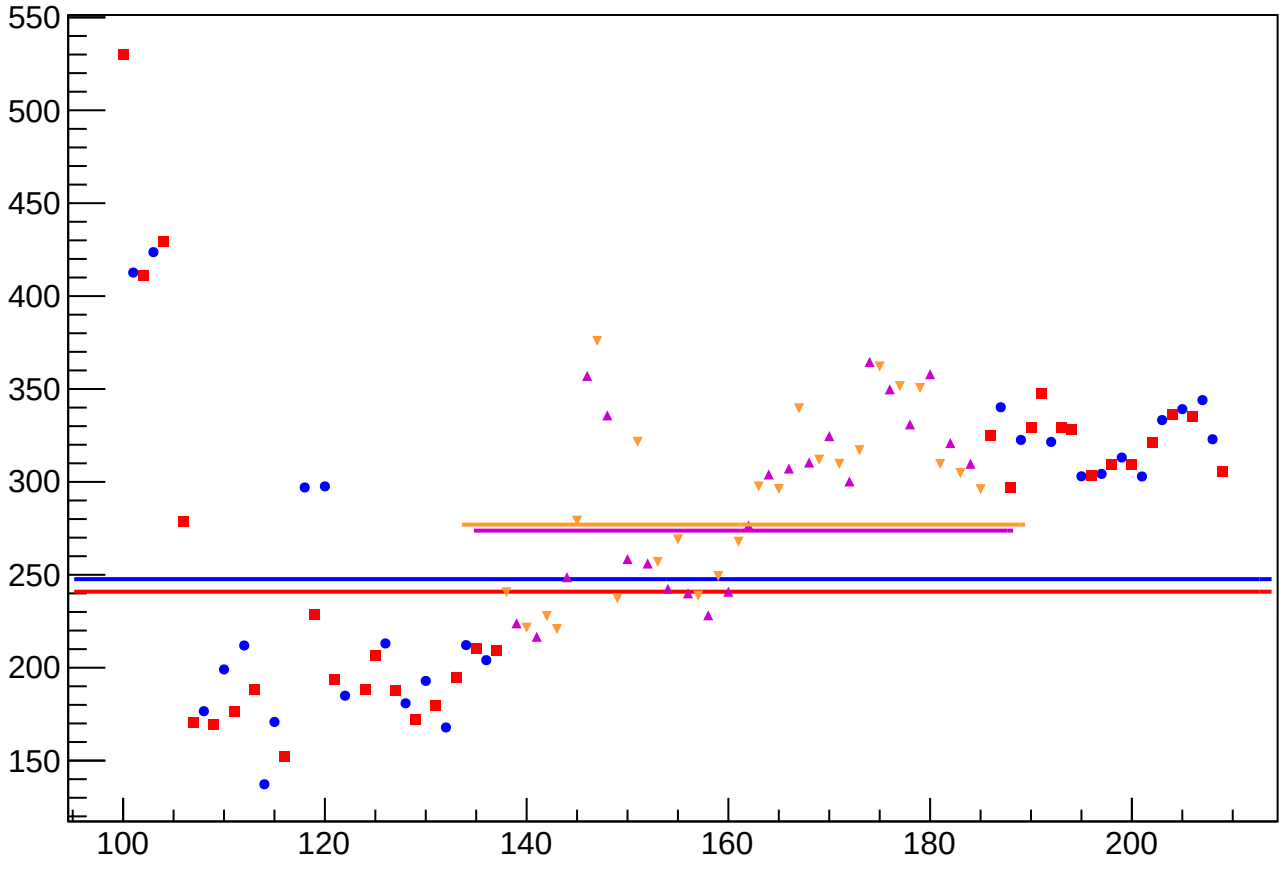
Right: 144069.156+/-0.045 χ^2/NDF: 17234309463.

In: 136728.399+/-0.046 χ^2/NDF:40357047291.4/

Out: 137245.672+/-0.044 χ^2/NDF:41277317704.1

All: 136998.268+/-0.032 χ^2/NDF: 81699495

yield_bpm0l02WS_rms vs Slug, Sign Corrected



Right In: 247.664+/-0.046 χ^2/NDF: 2368701.7/26

Left Out: 277.021+/-0.045 χ^2/NDF:946602.2/24

Right Out: 240.906+/-0.043 χ^2/NDF: 2718625.6/31

Left In: 273.784+/-0.046 χ^2/NDF:1003910.6/22

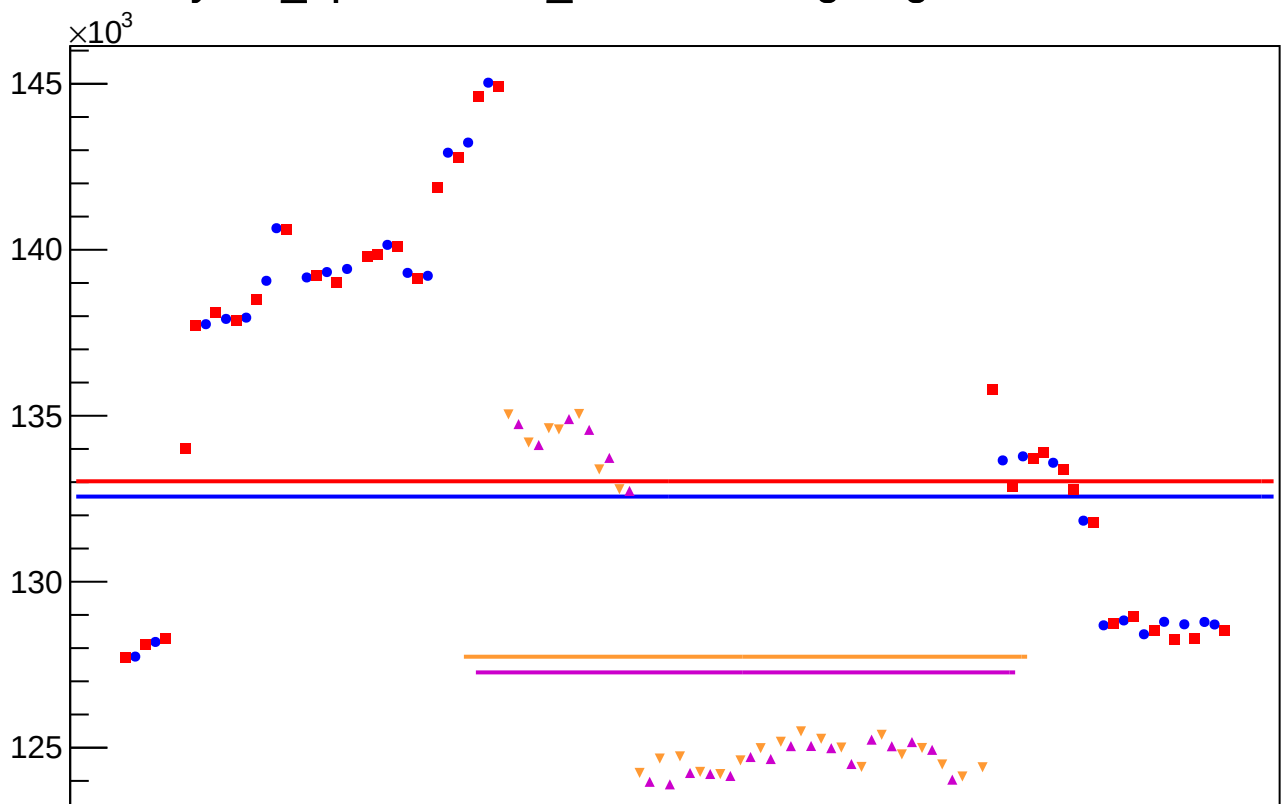
Left: 275.432+/-0.032 χ^2/NDF: 1953009.0/47

Right: 244.056+/-0.032 χ^2/NDF: 5098662.1/58

In: 260.772+/-0.033 χ^2/NDF:3531774.3/49

Out: 258.124+/-0.031 χ^2/NDF:3996397.4/56

All: 259.390+/-0.023 χ^2/NDF: 7531585.4/106



Right In: 132565.444+/-0.106 χ^2/NDF: 2661023162.0/26

Left Out: 127741.156+/-0.136 χ^2/NDF:1092529845.6/24

Right Out: 133025.940+/-0.108 χ^2/NDF: 1848934617.0/31

Left In: 127268.542+/-0.139 χ^2/NDF:971404491.0/22

Left: 127510.062+/-0.097 χ^2/NDF: 2069876354.9/4

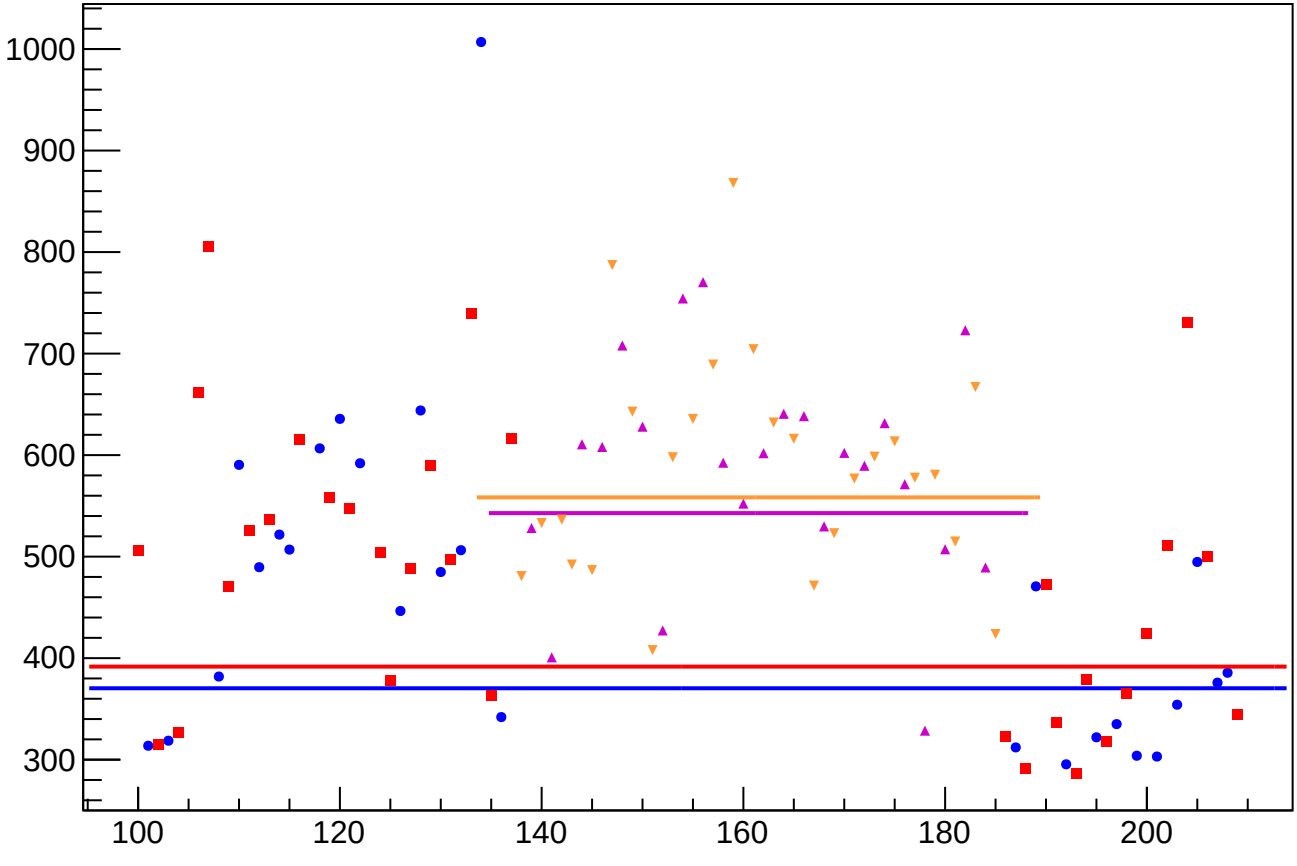
Right: 132789.678+/-0.076 χ^2/NDF: 4519201976.7/

In: 130617.888+/-0.084 χ^2/NDF:4555967456.8/49

Out: 130962.983+/-0.085 χ^2/NDF:3867798113.1/5

All: 130789.079+/-0.060 χ^2/NDF: 84321297

yield_bpm0l03WS_rms vs Slug, Sign Corrected



Right In: 370.348+/-0.075 χ^2/NDF: 1575924.4/26

Left Out: 558.373+/-0.096 χ^2/NDF:968289.3/24

Right Out: 391.667+/-0.077 χ^2/NDF: 1984533.3/31

Left In: 542.872+/-0.098 χ^2/NDF:1416690.9/22

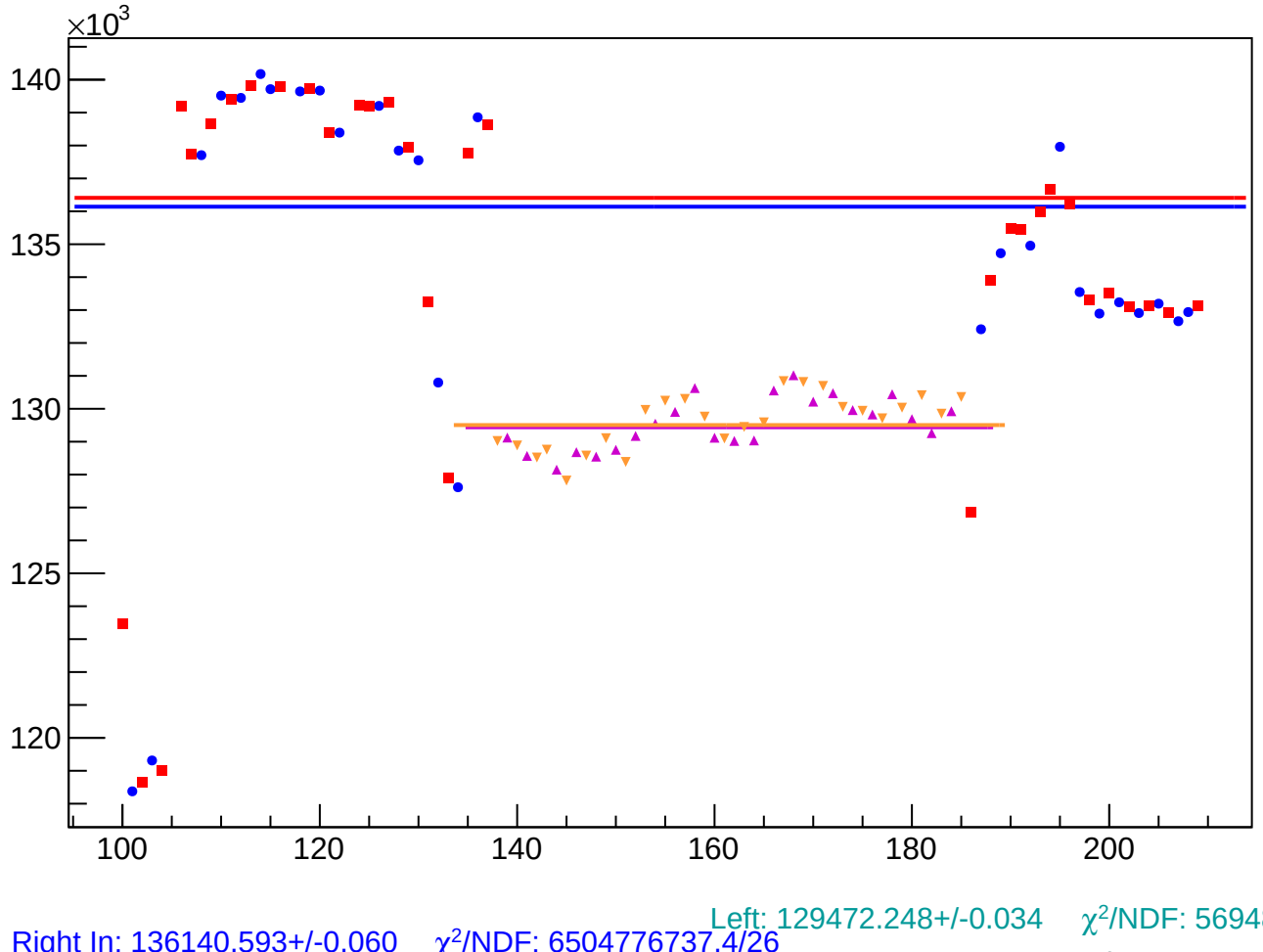
Left: 550.793+/-0.069 χ^2/NDF: 2397764.2/47

Right: 380.729+/-0.054 χ^2/NDF: 3600085.3/58

In: 433.781+/-0.059 χ^2/NDF:4952100.4/49

Out: 456.742+/-0.060 χ^2/NDF:4796327.8/56

All: 445.171+/-0.042 χ^2/NDF: 9822482.9/106



Right In: 136140.593+/-0.060 χ^2/NDF: 6504776737.4/26

Left Out: 129504.922+/-0.047 χ^2/NDF:299464438.2/24

Right Out: 136409.188+/-0.056 χ^2/NDF: 6819899732.6/31

Left In: 129437.551+/-0.048 χ^2/NDF:269025464.3/22

Left: 129472.248+/-0.034 χ^2/NDF: 569486507.5/47

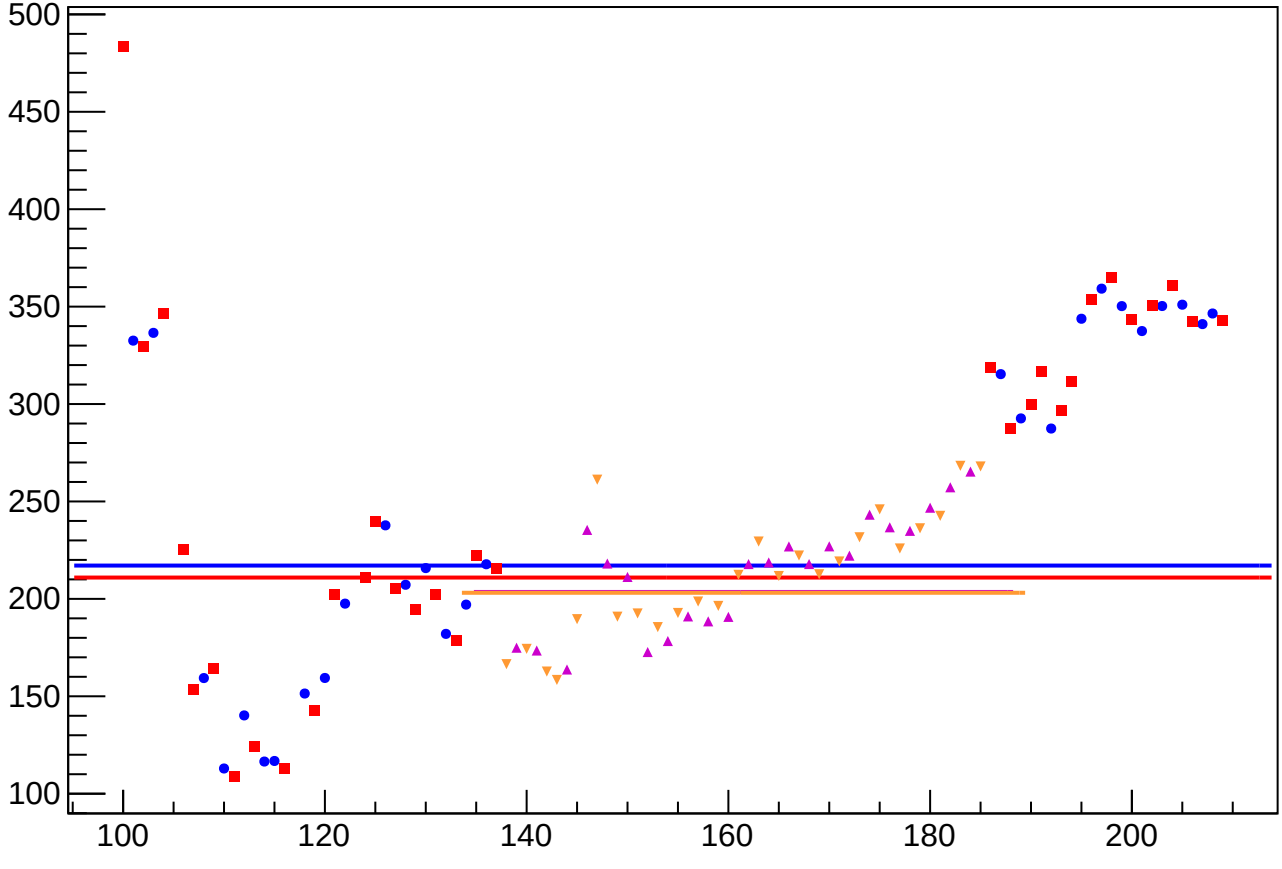
Right: 136283.570+/-0.041 χ^2/NDF: 1333512837.6

In: 132107.128+/-0.038 χ^2/NDF:14402817819.8/4

Out: 132370.160+/-0.036 χ^2/NDF:16075657294.9

All: 132244.446+/-0.026 χ^2/NDF: 30504065

yield_bpm0l04WS_rms vs Slug, Sign Corrected



Right In: 217.093+/-0.042 χ^2/NDF: 4106015.4/26

Left Out: 203.129+/-0.033 χ^2/NDF:758448.5/24

Right Out: 210.942+/-0.039 χ^2/NDF: 4975406.8/31

Left In: 203.546+/-0.034 χ^2/NDF:666043.6/22

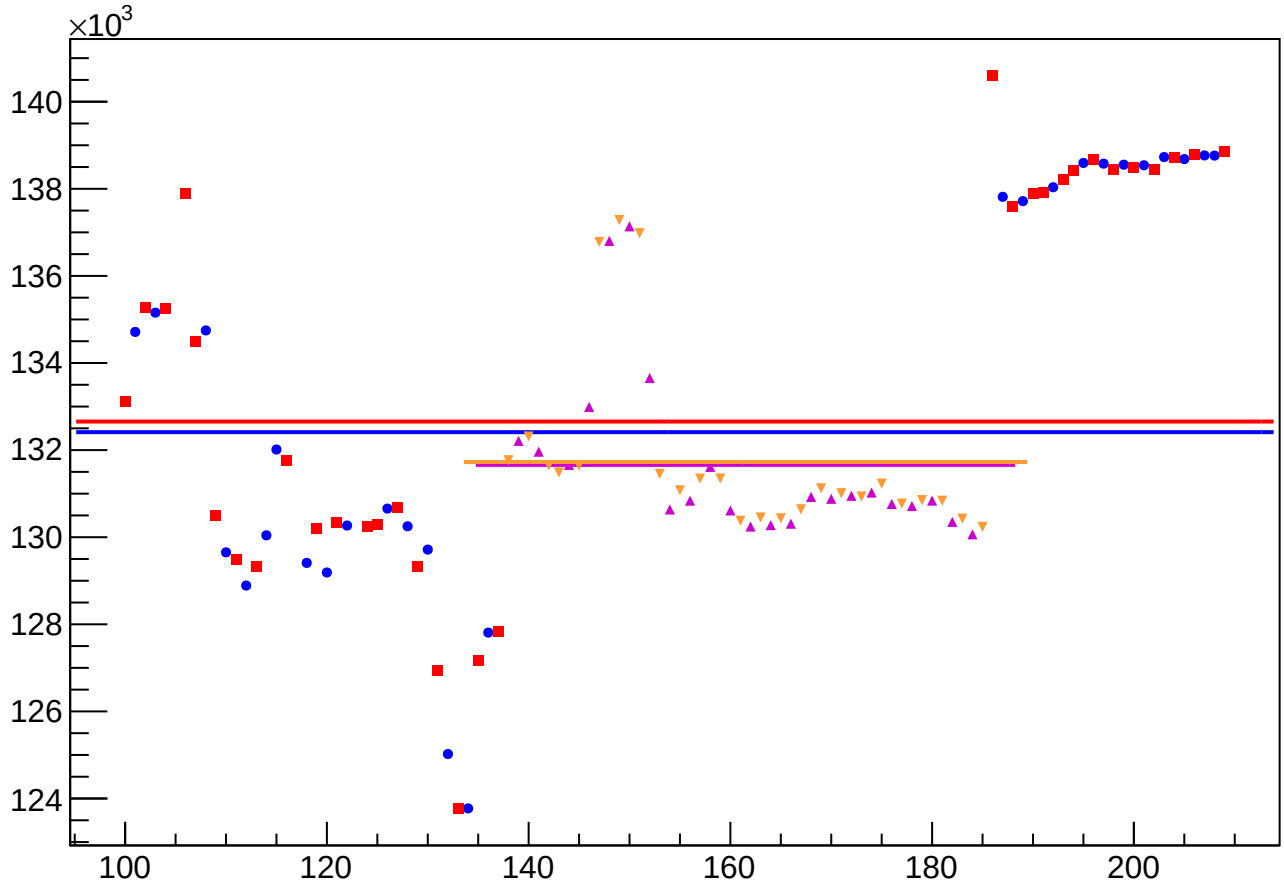
Left: 203.331+/-0.024 χ^2/NDF: 1424568.7/47

Right: 213.819+/-0.029 χ^2/NDF: 9092790.2/58

In: 208.942+/-0.027 χ^2/NDF:4834377.5/49

Out: 206.371+/-0.025 χ^2/NDF:5756790.9/56

All: 207.600+/-0.018 χ^2/NDF: 10596056.2/10



Right In: 132411.998+/-0.054 χ^2/NDF: 8169605024.8/26

Left Out: 131727.086+/-0.047 χ^2/NDF:1425045697.6/24

Right Out: 132655.570+/-0.050 χ^2/NDF: 8653622634.1/31

Left In: 131660.490+/-0.048 χ^2/NDF:1164380319.7/22

Left: 131694.721+/-0.034 χ^2/NDF: 2590408205.6/4

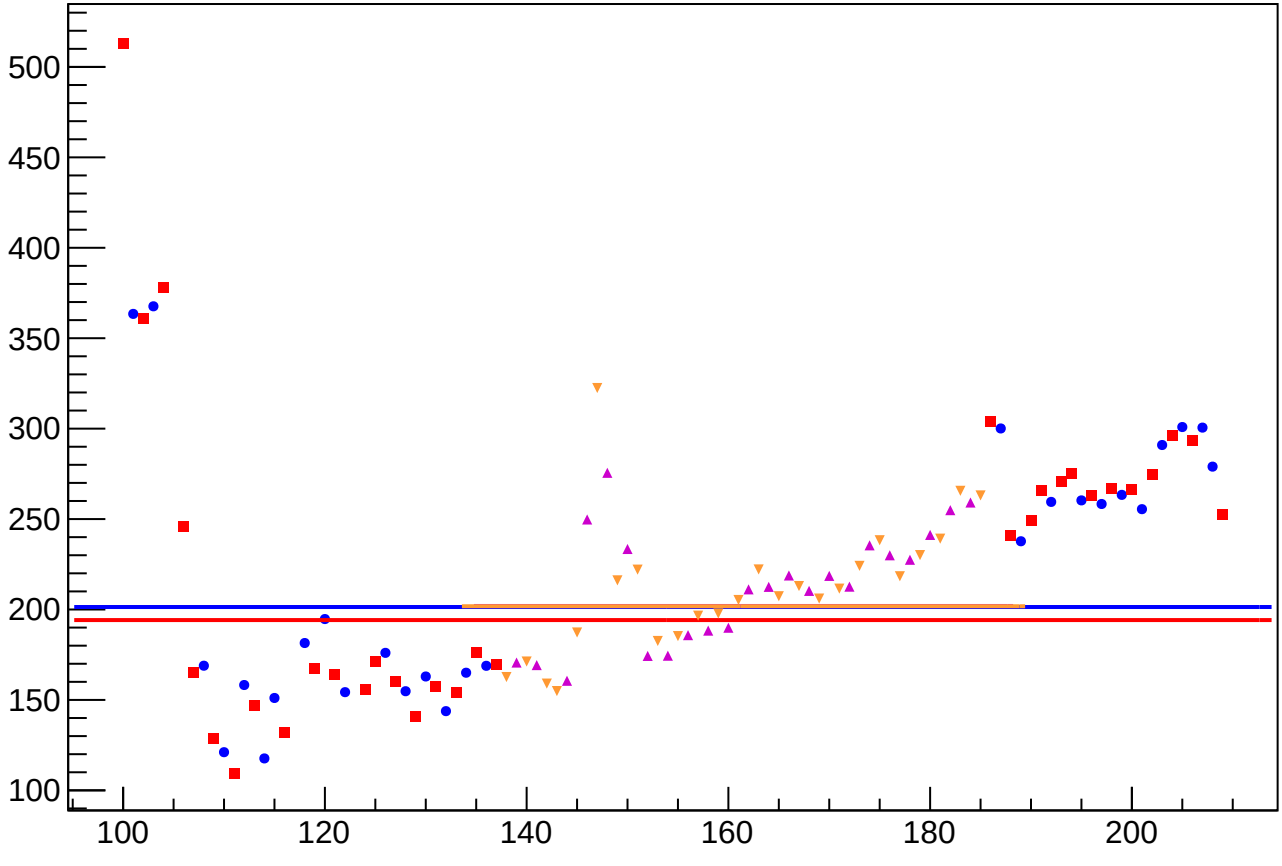
Right: 132542.479+/-0.037 χ^2/NDF: 16834194312.4

In: 131994.700+/-0.036 χ^2/NDF:9442199389.2/49

Out: 132160.029+/-0.034 χ^2/NDF:10261845867.5

All: 132081.315+/-0.025 χ^2/NDF: 19715156

yield_bpm0l05WS_rms vs Slug, Sign Corrected



Right In: 201.376+/-0.038 χ^2/NDF: 2680979.4/26

Left Out: 201.798+/-0.033 χ^2/NDF:905352.1/24

Right Out: 194.153+/-0.035 χ^2/NDF: 3494451.7/31

Left In: 201.947+/-0.034 χ^2/NDF:802700.2/22

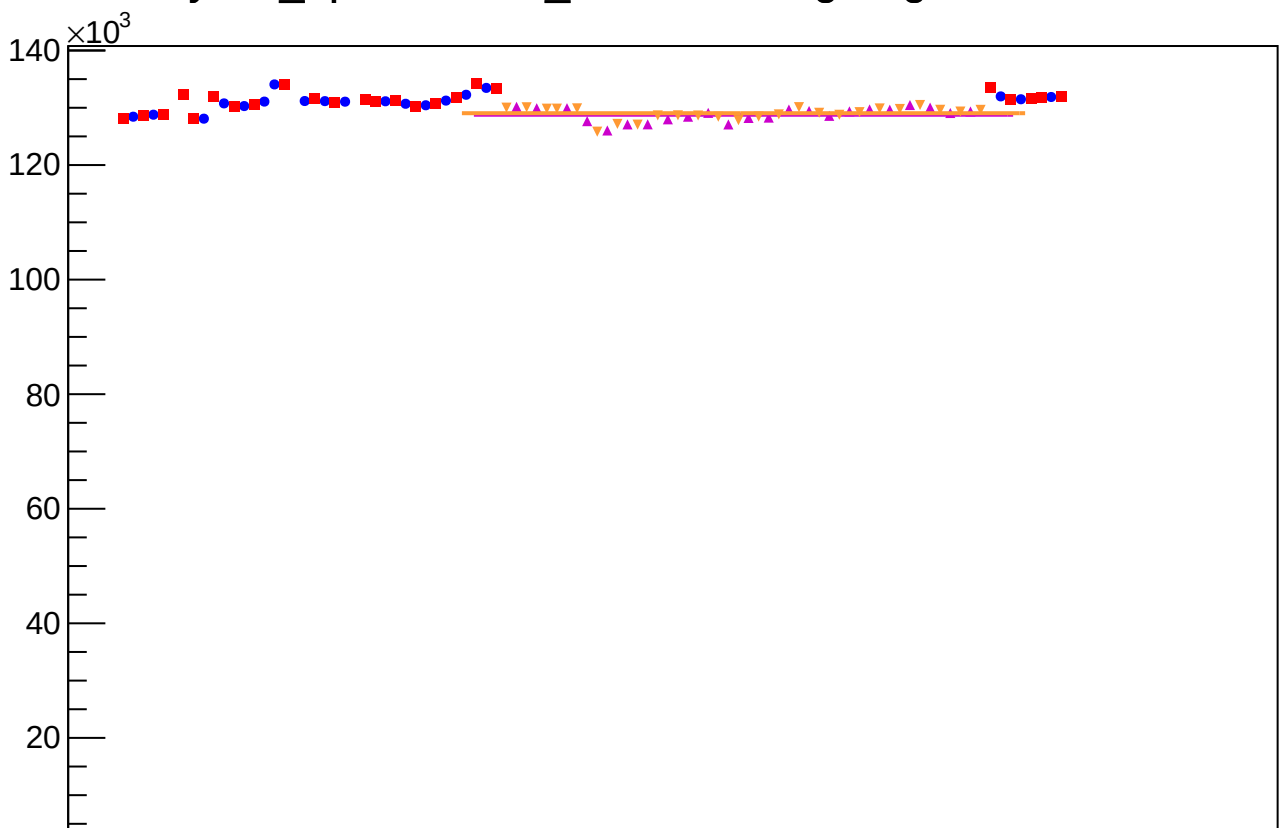
Left: 201.870+/-0.024 χ^2/NDF: 1708062.2/47

Right: 197.507+/-0.026 χ^2/NDF: 6194716.9/58

In: 201.693+/-0.025 χ^2/NDF:3483804.7/49

Out: 198.233+/-0.024 χ^2/NDF:4424640.8/56

All: 199.880+/-0.018 χ^2/NDF: 7918176.5/106



Right In: 3499.660+/-0.005 χ^2/NDF: 4991868469374.0/26

Left Out: 129050.458+/-0.045 χ^2/NDF:530879250.1/24

Right Out: 3826.139+/-0.005 χ^2/NDF: 5901895253010.9/31

Left In: 128783.852+/-0.047 χ^2/NDF:655675405.6/22

Left: 128921.210+/-0.033 χ^2/NDF: 1203205446.5/4

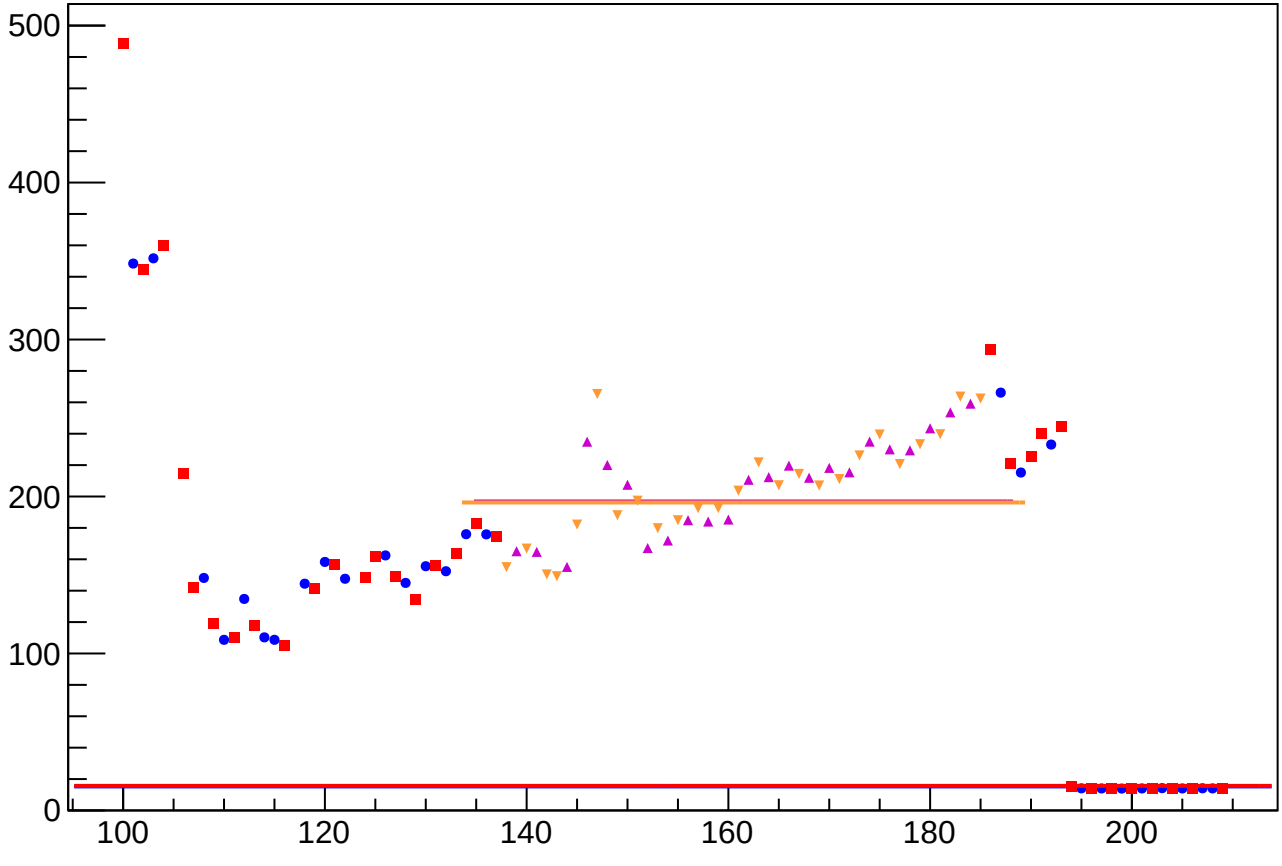
Right: 3657.814+/-0.004 χ^2/NDF: 10895584256082

In: 5094.726+/-0.005 χ^2/NDF:12038488126945.5

Out: 5626.453+/-0.005 χ^2/NDF:13370890092459.

All: 5352.528+/-0.004 χ^2/NDF: 2541427380

yield_bpm0l06WS_rms vs Slug, Sign Corrected



Right In: 15.318+/-0.004 χ^2/NDF: 14421437.4/26

Left Out: 196.203+/-0.032 χ^2/NDF:922826.1/24

Right Out: 15.648+/-0.004 χ^2/NDF: 16509771.3/31

Left In: 196.840+/-0.033 χ^2/NDF:773052.6/22

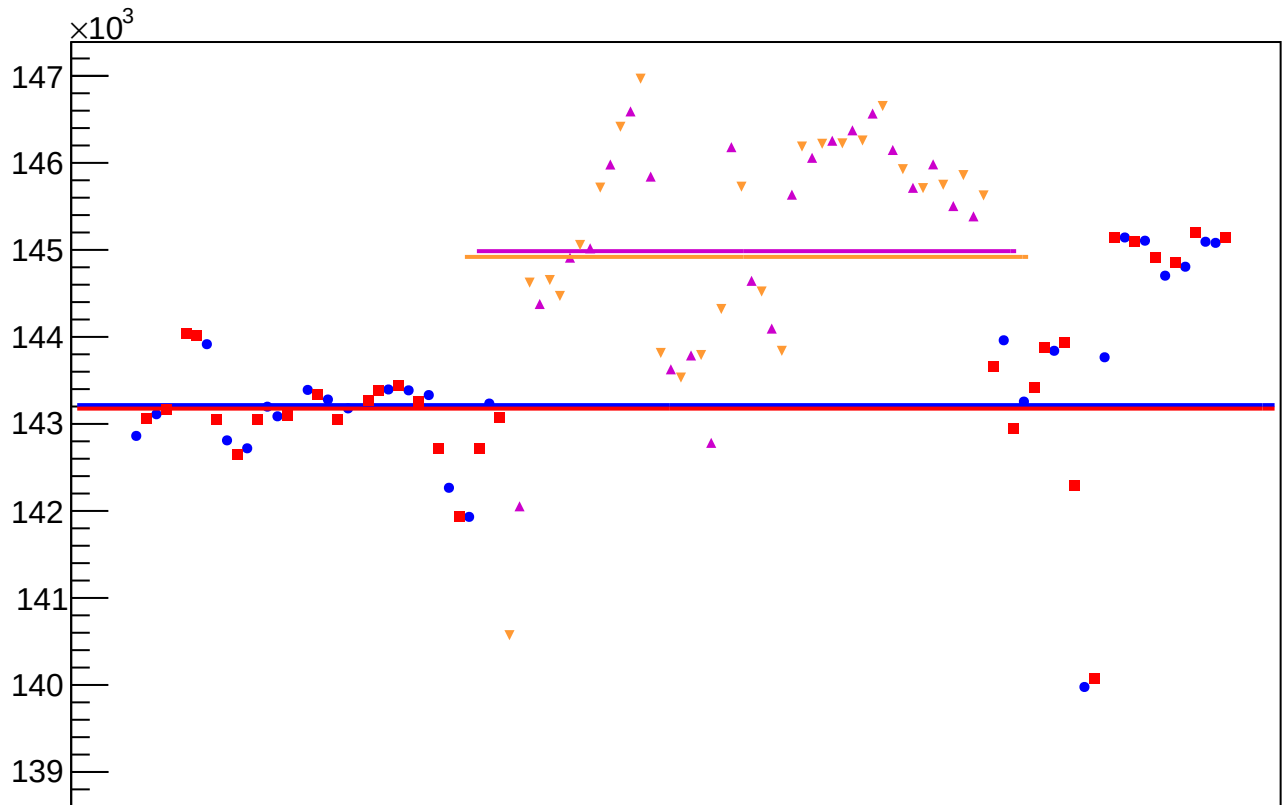
Left: 196.512+/-0.023 χ^2/NDF: 1696068.8/47

Right: 15.478+/-0.003 χ^2/NDF: 30934936.2/58

In: 17.629+/-0.004 χ^2/NDF:44777172.5/49

Out: 18.244+/-0.004 χ^2/NDF:48485504.9/56

All: 17.927+/-0.003 χ^2/NDF: 93275777.4/106



Right In: 143216.187+/-0.058 χ^2/NDF: 241693115.7/26

Left Out: 144919.479+/-0.052 χ^2/NDF:835478710.7/24

Right Out: 143176.005+/-0.053 χ^2/NDF: 246580670.2/31

Left In: 144985.586+/-0.054 χ^2/NDF:618782558.7/22

Left: 144951.693+/-0.037 χ^2/NDF: 1455041879.5/4

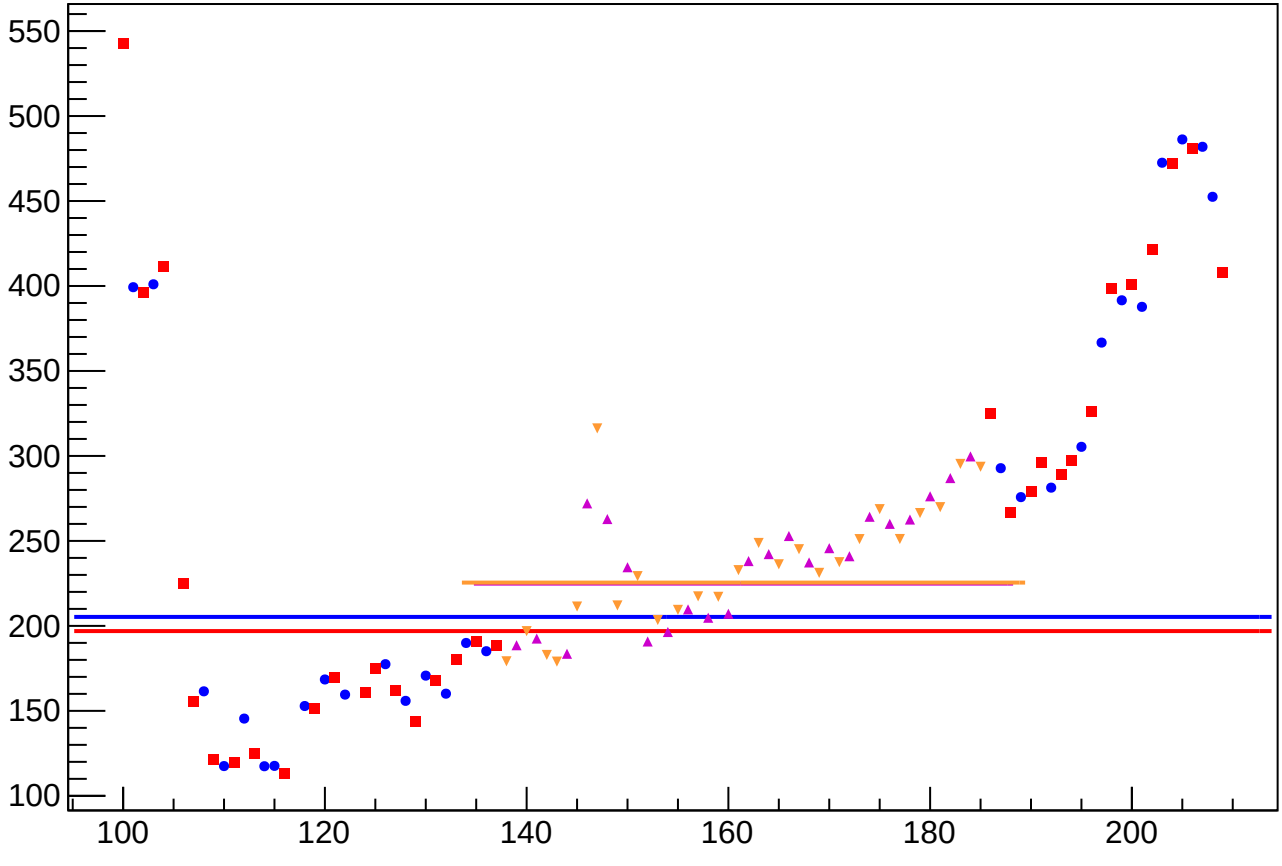
Right: 143194.480+/-0.039 χ^2/NDF: 488534911.1/5

In: 144167.852+/-0.039 χ^2/NDF:1364578072.7/49

Out: 144065.750+/-0.037 χ^2/NDF:1627674934.8/5

All: 144114.166+/-0.027 χ^2/NDF: 29958037

yield_bpm0l07WS_rms vs Slug, Sign Corrected



Right In: 205.283+/-0.041 χ^2/NDF: 5646784.8/26

Left Out: 225.478+/-0.037 χ^2/NDF:775365.4/24

Right Out: 196.944+/-0.038 χ^2/NDF: 6431458.5/31

Left In: 224.869+/-0.038 χ^2/NDF:723816.1/22

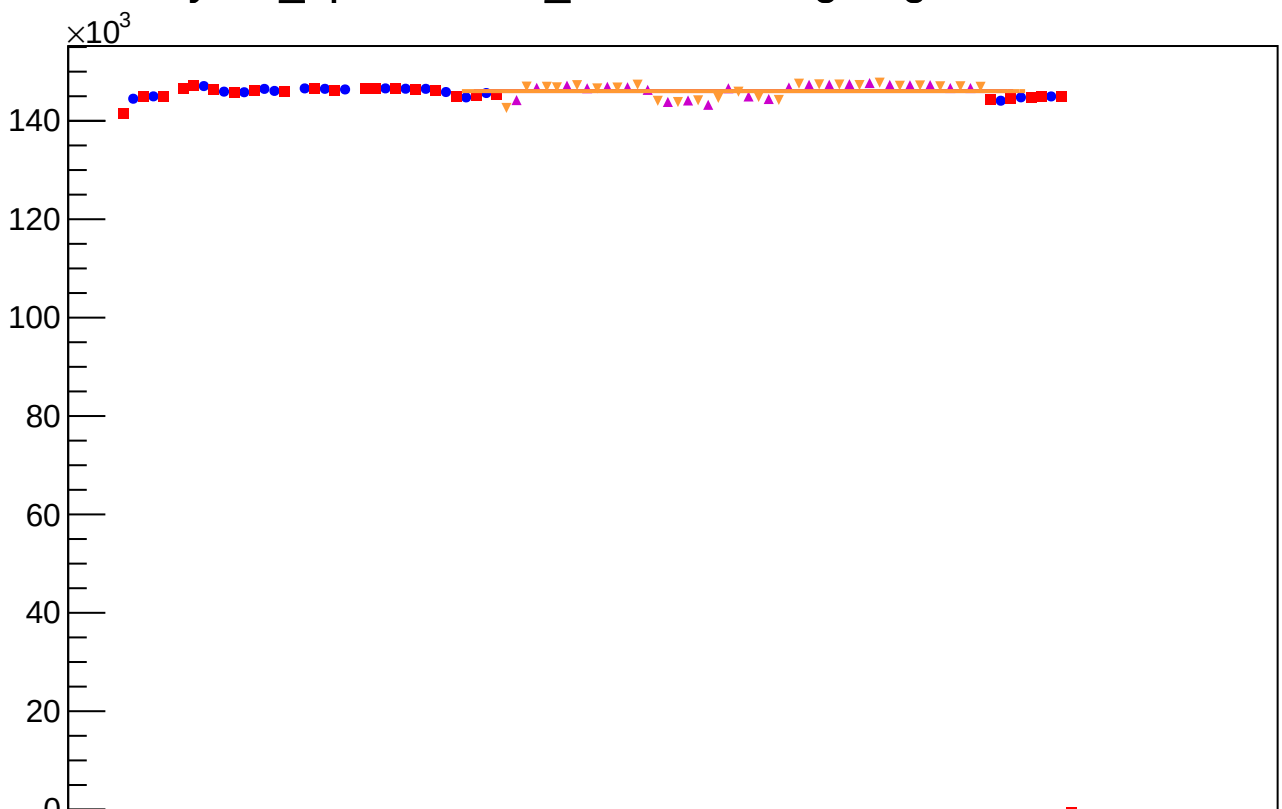
Left: 225.181+/-0.026 χ^2/NDF: 1499314.5/47

Right: 200.778+/-0.028 χ^2/NDF: 12100734.5/58

In: 215.817+/-0.028 χ^2/NDF:6494129.9/49

Out: 211.506+/-0.026 χ^2/NDF:7499117.0/56

All: 213.550+/-0.019 χ^2/NDF: 14005907.0/10



Right In: -933.633+/-0.003 χ^2/NDF: 5375143877500.3/26

Left Out: 146042.636+/-0.052 χ^2/NDF:882705044.1/24

Right Out: -865.368+/-0.003 χ^2/NDF: 6464800108983.4/31

Left In: 146056.687+/-0.054 χ^2/NDF:698743124.4/22

Left: 146049.455+/-0.037 χ^2/NDF: 1581483589.3/4

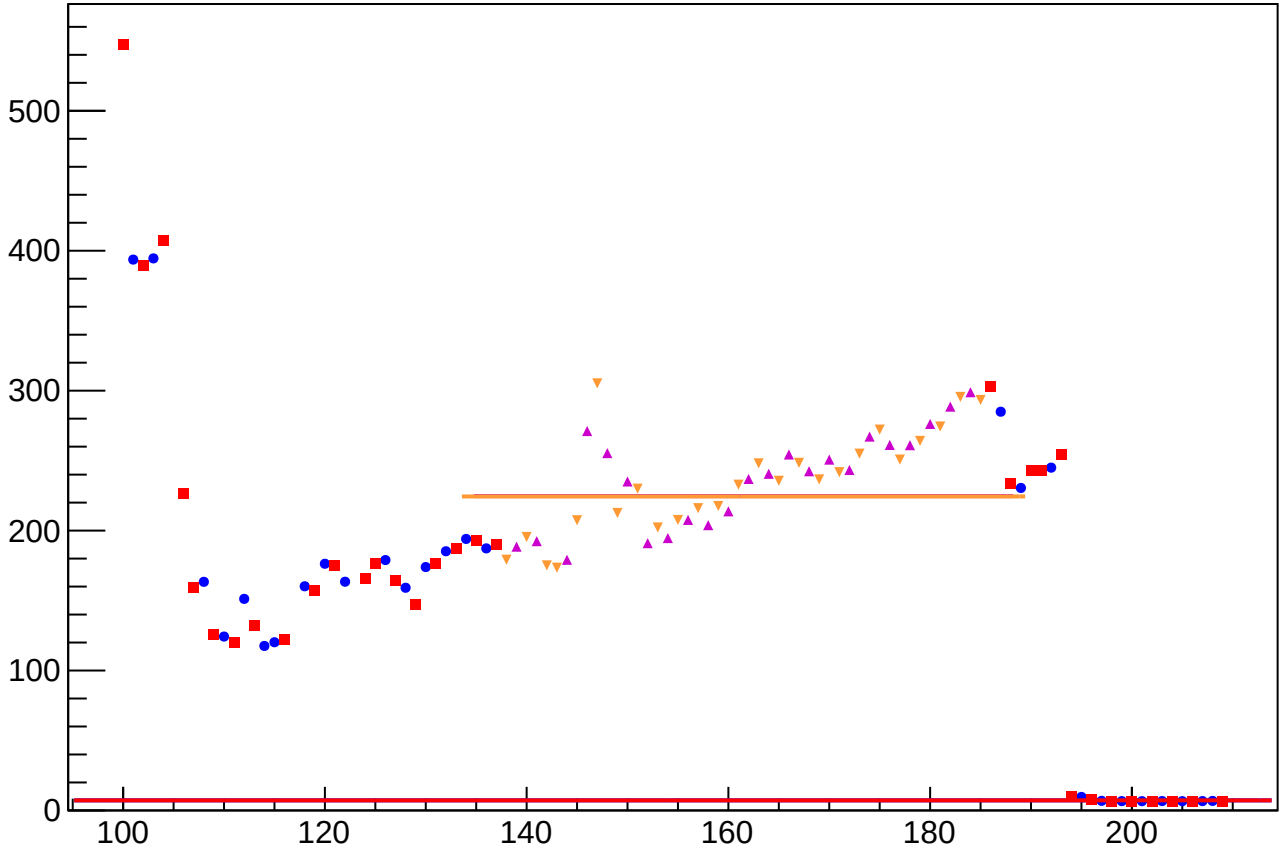
Right: -900.238+/-0.002 χ^2/NDF: 11840269529005

In: -575.710+/-0.003 χ^2/NDF:12888772122082.7/

Out: -469.323+/-0.003 χ^2/NDF:14422613789925.8

All: -523.659+/-0.002 χ^2/NDF: 27312178600

yield_bpm0l08WS_rms vs Slug, Sign Corrected



Right In: 7.210+/-0.002 χ^2/NDF: 16113994.5/26

Left Out: 224.409+/-0.037 χ^2/NDF:849100.4/24

Right Out: 7.218+/-0.002 χ^2/NDF: 18430691.3/31

Left In: 224.655+/-0.038 χ^2/NDF:756996.8/22

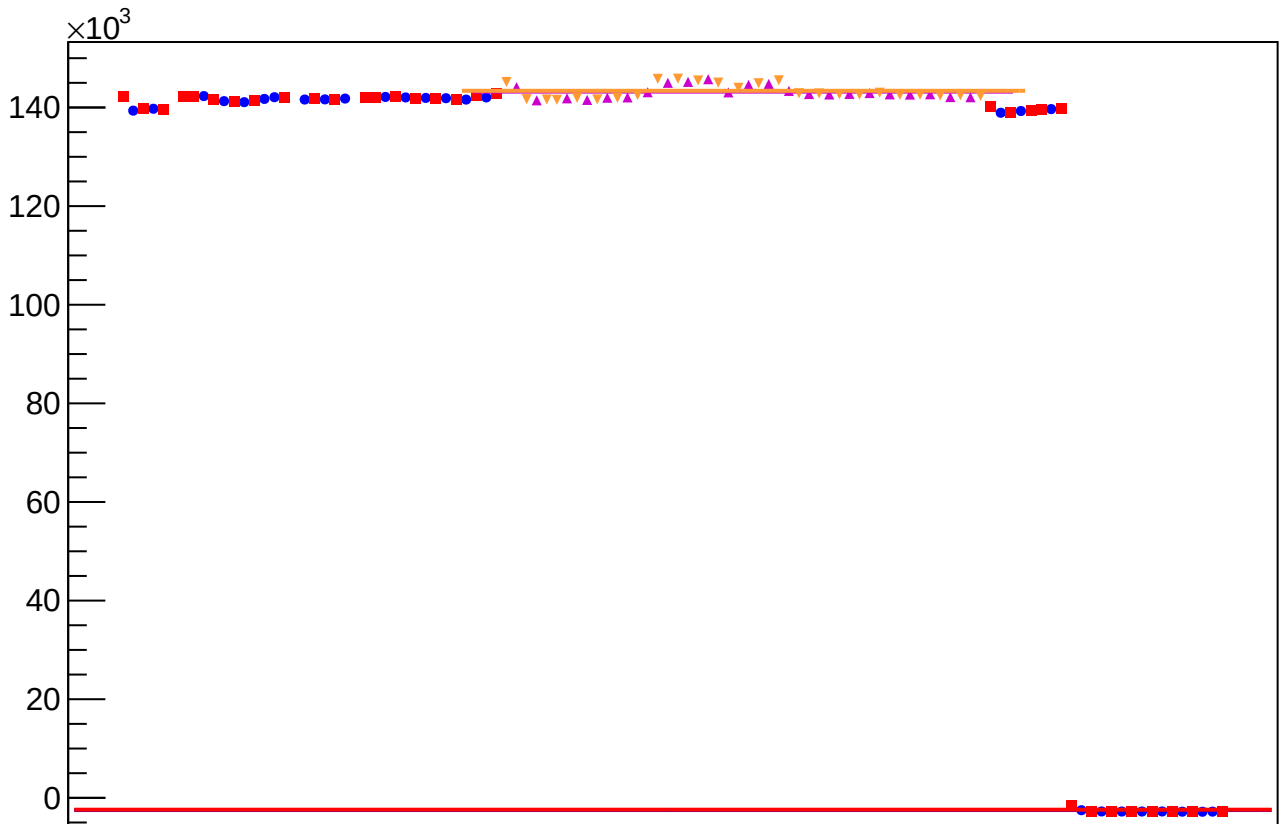
Left: 224.528+/-0.026 χ^2/NDF: 1606118.8/47

Right: 7.214+/-0.001 χ^2/NDF: 34544694.4/58

In: 7.739+/-0.002 χ^2/NDF:49753089.4/49

Out: 7.803+/-0.002 χ^2/NDF:54063109.3/56

All: 7.771+/-0.001 χ^2/NDF: 103816770.1/106



Right In: -2473.869+/-0.003 χ^2/NDF: 4963238588215.3/26

Left Out: 143386.915+/-0.054 χ^2/NDF:784001363.1/24

Right Out: -2404.906+/-0.003 χ^2/NDF: 5832998076259.7/31

Left In: 143221.802+/-0.055 χ^2/NDF:540234973.1/22

Left: 143306.102+/-0.038 χ^2/NDF: 1328866261.9/4

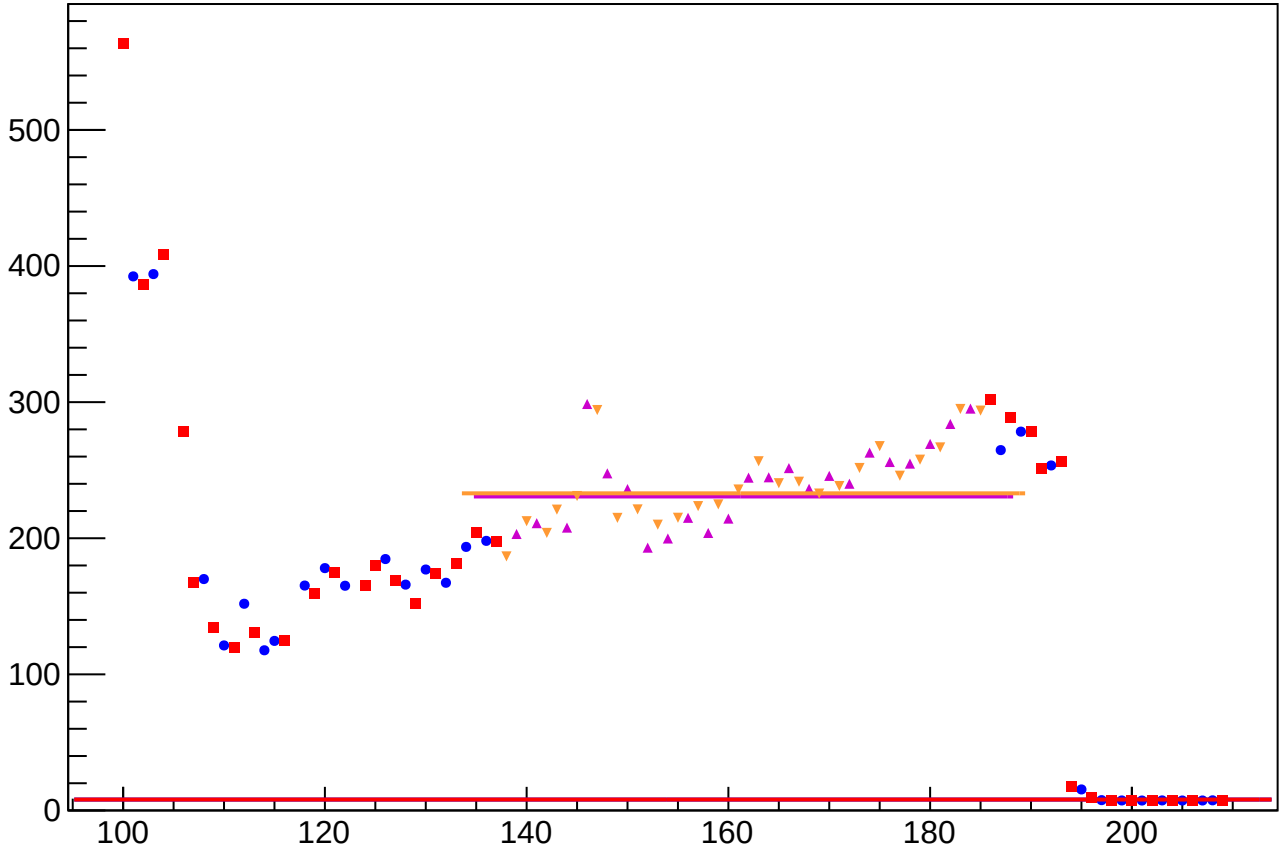
Right: -2440.074+/-0.002 χ^2/NDF: 1079650213700

In: -2049.640+/-0.003 χ^2/NDF:12004145842631.3

Out: -1944.207+/-0.003 χ^2/NDF:13185726275908

All: -1997.966+/-0.002 χ^2/NDF: 2519049449

yield_bpm0l09WS_rms vs Slug, Sign Corrected



Right In: 8.002+/-0.002 χ^2/NDF: 16280134.7/26

Left Out: 233.007+/-0.038 χ^2/NDF:446120.9/24

Right Out: 8.017+/-0.002 χ^2/NDF: 18477064.3/31

Left In: 230.693+/-0.039 χ^2/NDF:512017.9/22

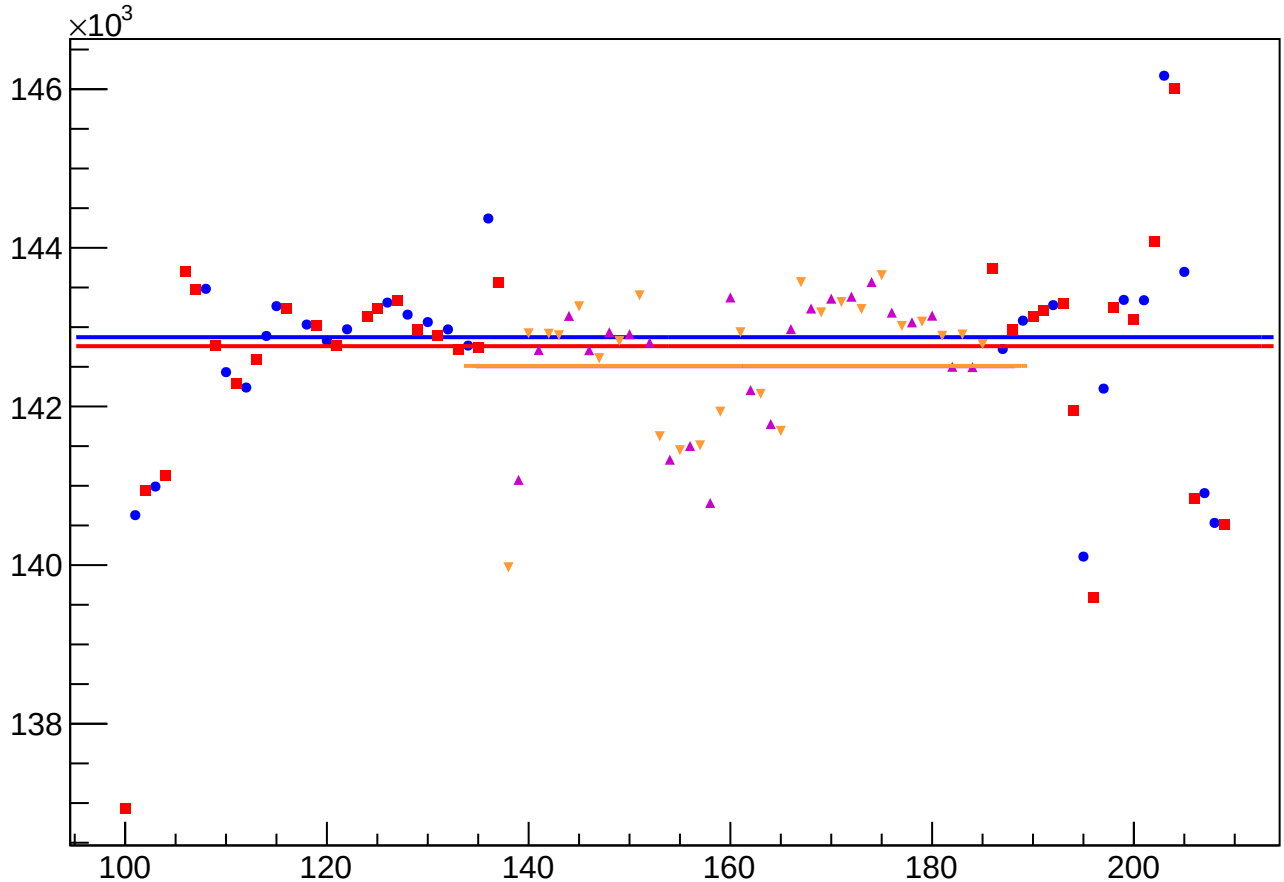
Left: 231.874+/-0.027 χ^2/NDF: 959957.6/47

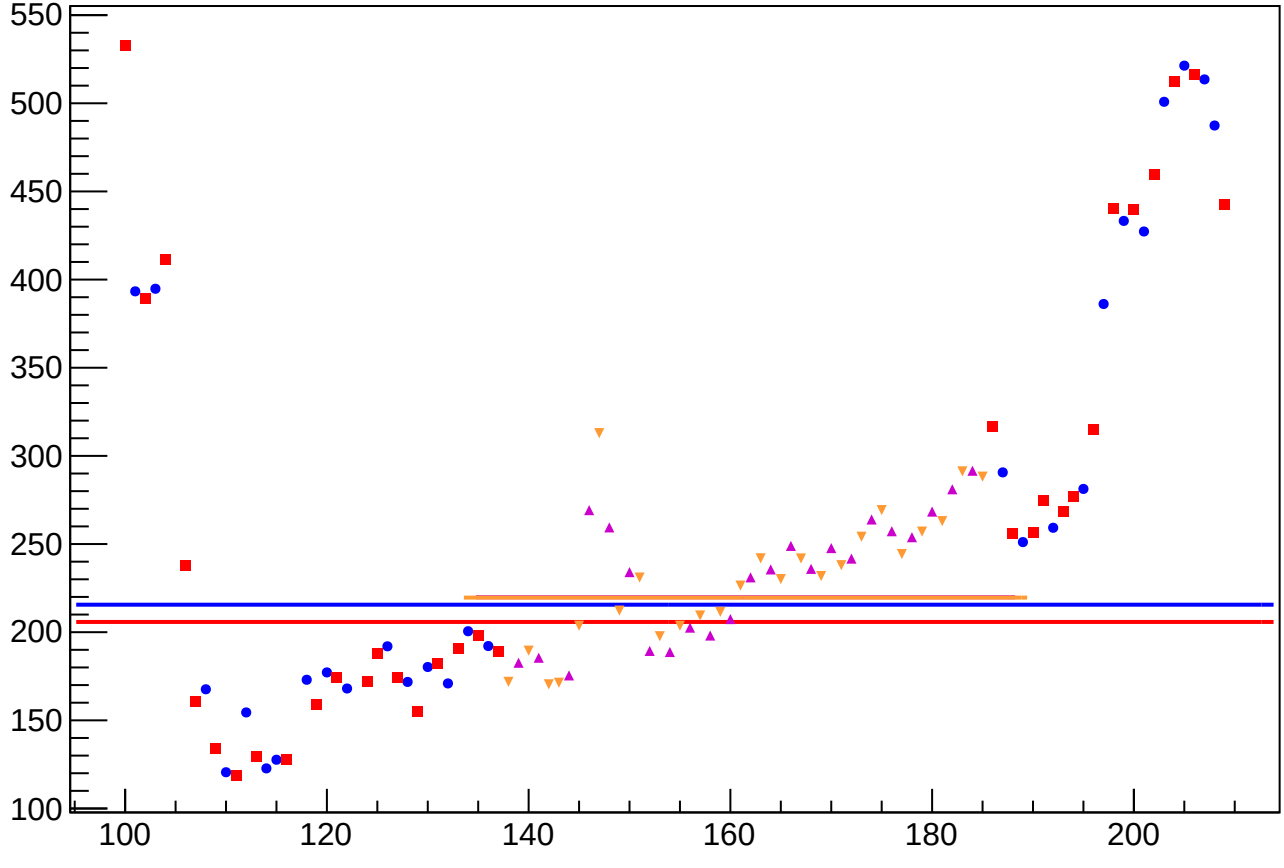
Right: 8.009+/-0.001 χ^2/NDF: 34757222.2/58

In: 8.651+/-0.002 χ^2/NDF:49687562.7/49

Out: 8.728+/-0.002 χ^2/NDF:53941288.7/56

All: 8.689+/-0.001 χ^2/NDF: 103629514.4/106


yield_bpm0l10WS_mean vs Slug, Sign Corrected
×10^3
146
144
142
140
138
100
120
140
160
180
200
Right In: 142873.463+/-0.060 χ²/NDF: 272687436.6/26
Left Out: 142511.381+/-0.051 χ²/NDF:338087157.2/24
Right Out: 142760.196+/-0.055 χ²/NDF: 237766236.0/31
Left In: 142507.563+/-0.052 χ²/NDF:269272097.4/22
Left: 142509.527+/-0.037 χ²/NDF: 607361986.5/47
Right: 142811.911+/-0.041 χ²/NDF: 512359023.7/5
In: 142664.427+/-0.040 χ²/NDF:562862625.9/49
Out: 142625.170+/-0.037 χ²/NDF:586781507.7/56
All: 142643.725+/-0.027 χ²/NDF: 115016222



Right In: 215.598+/-0.043 χ^2/NDF: 5385579.5/26

Left Out: 219.618+/-0.036 χ^2/NDF:902026.4/24

Right Out: 205.805+/-0.039 χ^2/NDF: 6102631.2/31

Left In: 219.813+/-0.037 χ^2/NDF:805501.8/22

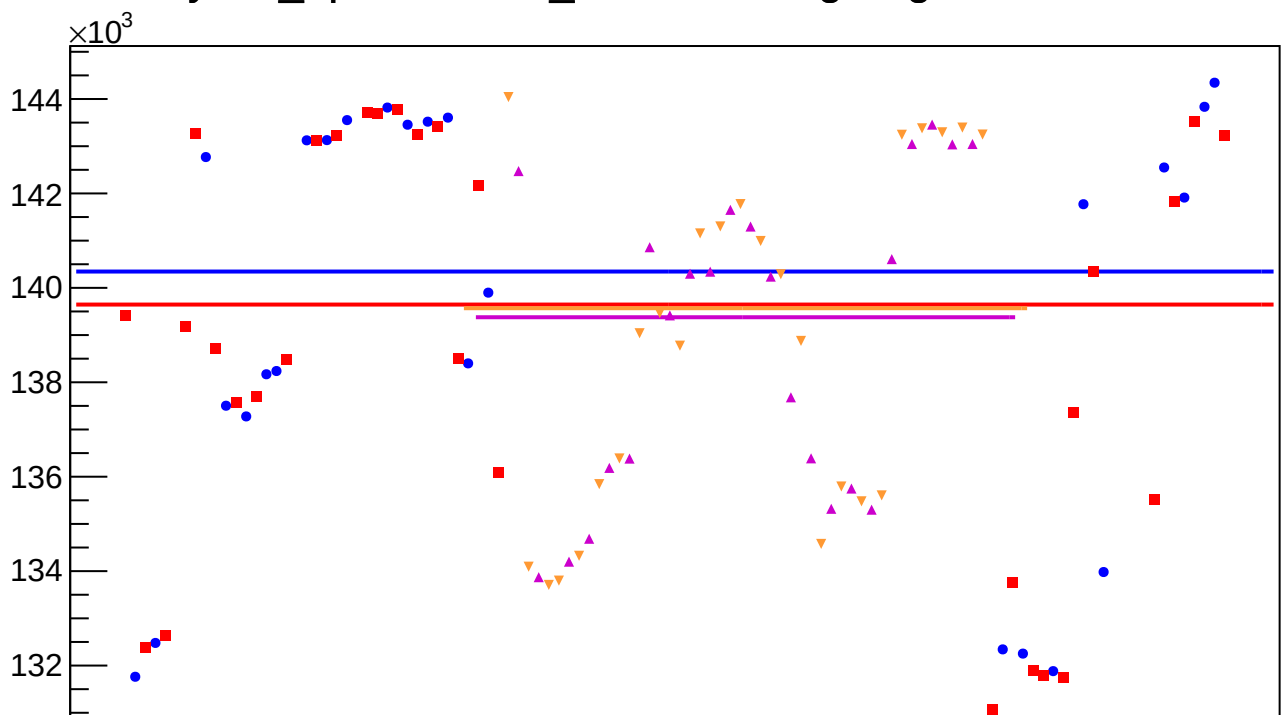
Left: 219.713+/-0.026 χ^2/NDF: 1707542.5/47

Right: 210.276+/-0.029 χ^2/NDF: 11516697.2/58

In: 218.006+/-0.028 χ^2/NDF:6196629.0/49

Out: 213.301+/-0.027 χ^2/NDF:7072014.8/56

All: 215.525+/-0.019 χ^2/NDF: 13283529.4/10



Right In: 140345.606+/-0.085 χ^2/NDF: 2639487864.1/26

Left Out: 139568.750+/-0.070 χ^2/NDF:2586638805.4/24

Right Out: 139646.151+/-0.084 χ^2/NDF: 2792205805.1/31

Left In: 139377.582+/-0.073 χ^2/NDF:1921434868.2/22

Left: 139477.077+/-0.051 χ^2/NDF: 4511647582.8/4

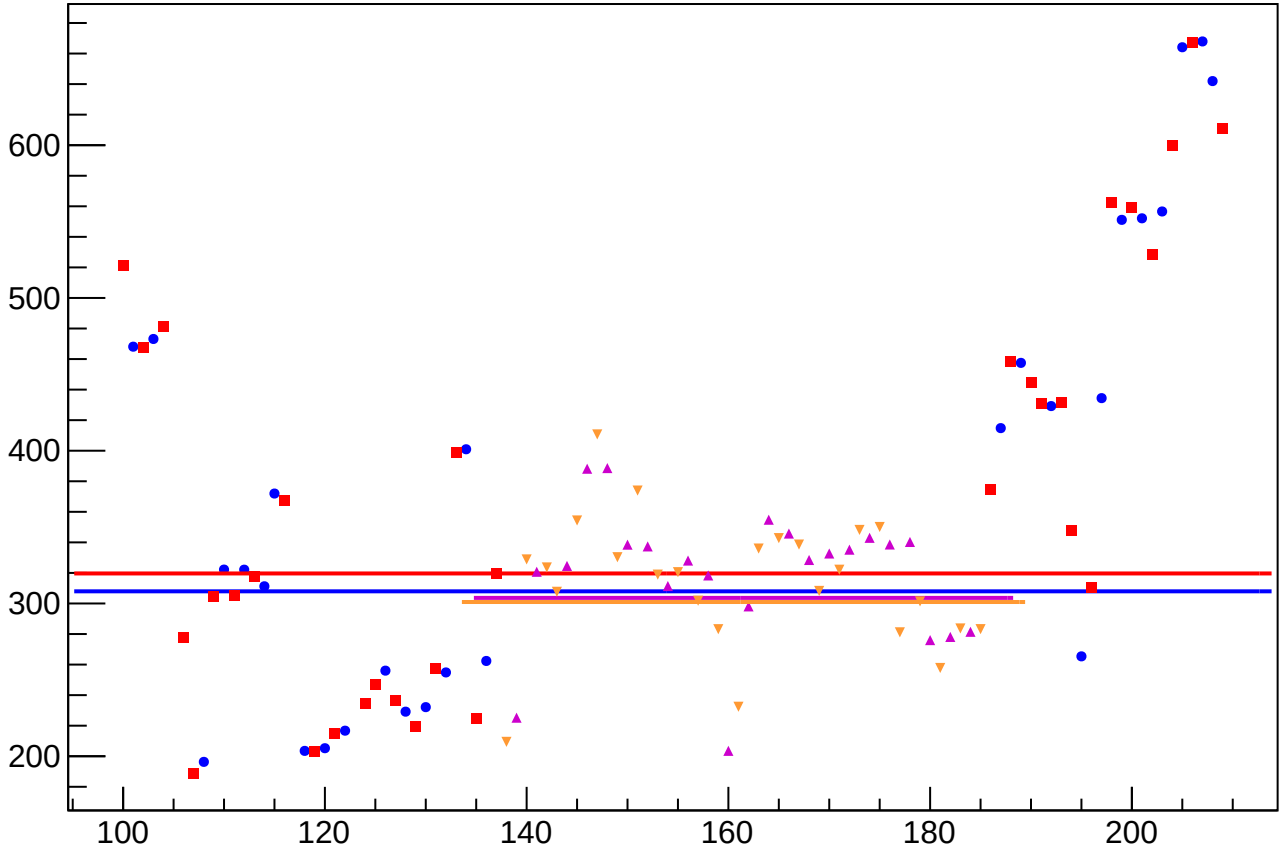
Right: 139989.559+/-0.060 χ^2/NDF: 5465940560.5/

In: 139786.656+/-0.055 χ^2/NDF:4635329876.2/49

Out: 139600.598+/-0.054 χ^2/NDF:5379347323.5/5

All: 139690.707+/-0.039 χ^2/NDF: 10020486

yield_bpm0r03WS_rms vs Slug, Sign Corrected



Right In: 307.955+/-0.060 χ^2/NDF: 4422918.5/26

Left Out: 300.964+/-0.050 χ^2/NDF:876889.9/24

Right Out: 319.655+/-0.059 χ^2/NDF: 4281928.7/31

Left In: 303.658+/-0.052 χ^2/NDF:976252.9/22

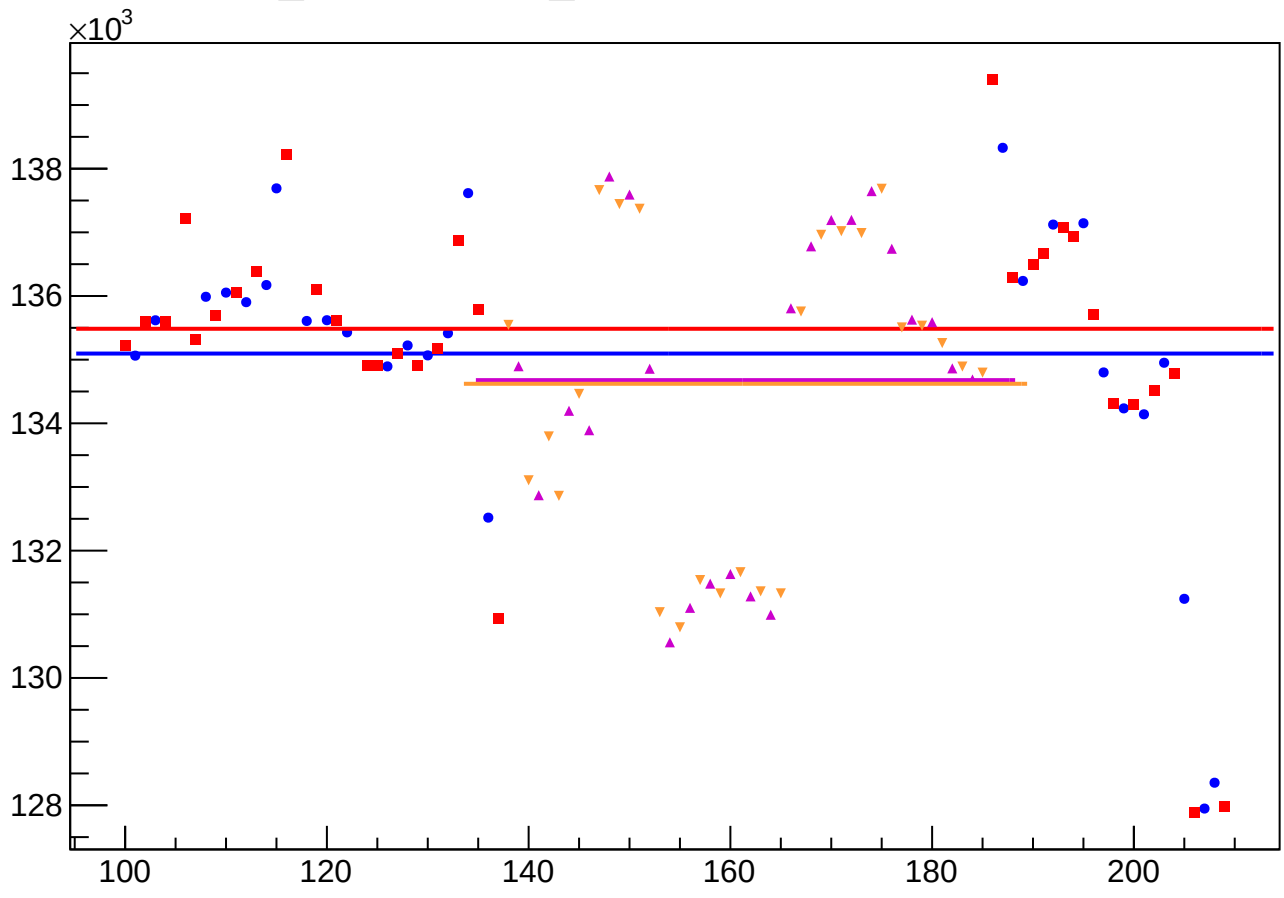
Left: 302.256+/-0.036 χ^2/NDF: 1854562.6/47

Right: 313.911+/-0.042 χ^2/NDF: 8724010.2/58

In: 305.474+/-0.039 χ^2/NDF:5402103.6/49

Out: 308.655+/-0.038 χ^2/NDF:5217446.3/56

All: 307.114+/-0.027 χ^2/NDF: 10622945.0/10



Right In: 135095.934+/-0.080 χ^2/NDF: 675373631.8/26

Left Out: 134620.993+/-0.064 χ^2/NDF:1201492843.7/24

Right Out: 135485.208+/-0.072 χ^2/NDF: 762389111.1/31

Left In: 134678.497+/-0.067 χ^2/NDF:1096295429.9/22

Left: 134648.354+/-0.046 χ^2/NDF: 2298175591.1/4

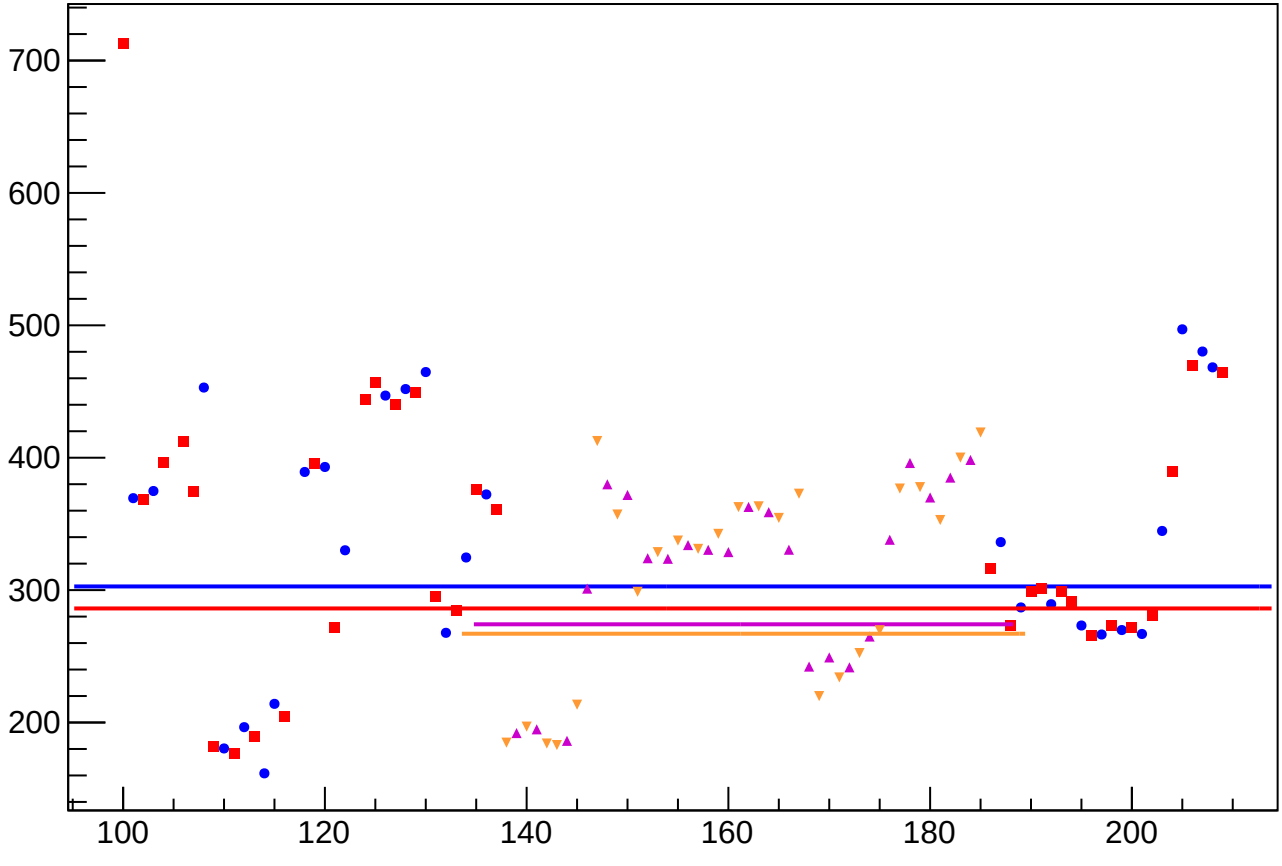
Right: 135309.785+/-0.054 χ^2/NDF: 1450755120.7/

In: 134850.157+/-0.051 χ^2/NDF:1787681424.8/49

Out: 134997.741+/-0.048 χ^2/NDF:2044033938.1/5

All: 134929.095+/-0.035 χ^2/NDF: 38361368

yield_bpm0r05WS_rms vs Slug, Sign Corrected



Right In: 302.769+/-0.057 χ^2/NDF: 2311753.9/26

Left Out: 267.053+/-0.045 χ^2/NDF:2843307.1/24

Right Out: 286.147+/-0.051 χ^2/NDF: 2452542.0/31

Left In: 274.177+/-0.047 χ^2/NDF:2236755.2/22

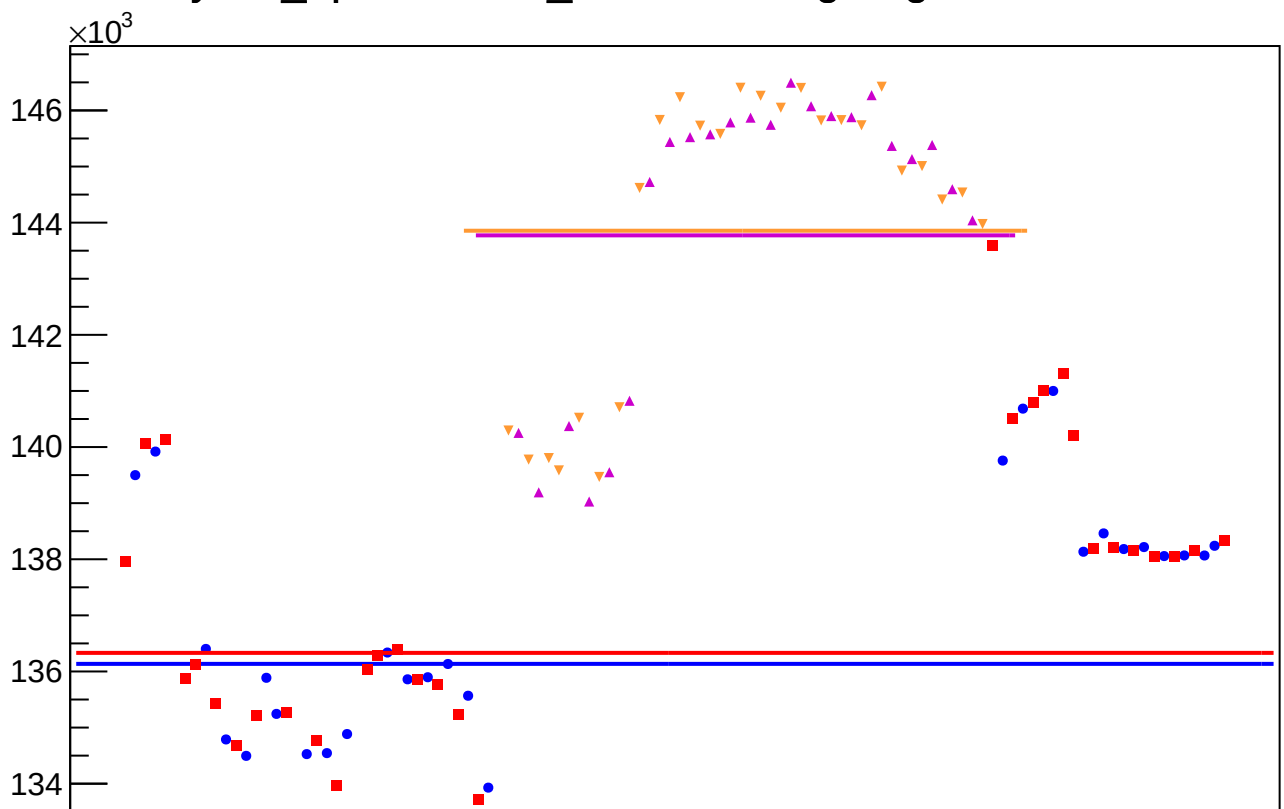
Left: 270.443+/-0.033 χ^2/NDF: 5091950.9/47

Right: 293.637+/-0.038 χ^2/NDF: 4811675.8/58

In: 285.935+/-0.036 χ^2/NDF:4698749.3/49

Out: 275.377+/-0.034 χ^2/NDF:5374095.0/56

All: 280.288+/-0.025 χ^2/NDF: 10118100.5/10



Right In: 136135.444+/-0.047 χ^2/NDF: 1552782188.9/26

Left Out: 143855.894+/-0.048 χ^2/NDF:3130204188.4/24

Right Out: 136331.404+/-0.044 χ^2/NDF: 2226046781.7/31

Left In: 143773.112+/-0.051 χ^2/NDF:2803362782.2/22

Left: 143816.659+/-0.035 χ^2/NDF: 5934957242.3/4

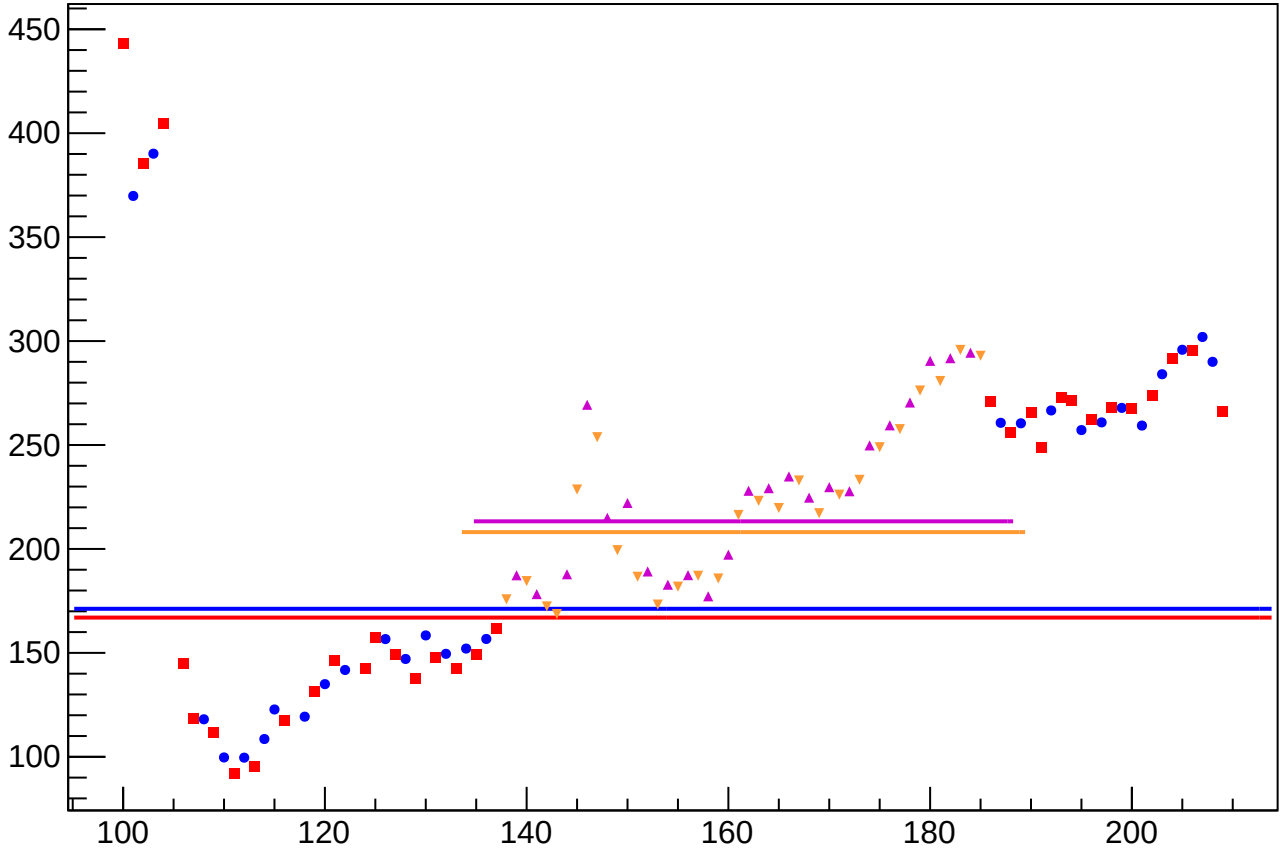
Right: 136239.286+/-0.032 χ^2/NDF: 3787956718.0/

In: 139666.367+/-0.035 χ^2/NDF:16452981731.1/4

Out: 139780.958+/-0.033 χ^2/NDF:18480895501.0

All: 139726.886+/-0.024 χ^2/NDF: 34939662

yield_bpm0i02WS_rms vs Slug, Sign Corrected



Right In: 171.212+/-0.033 χ^2/NDF: 4627495.2/26

Left Out: 208.100+/-0.034 χ^2/NDF:993011.6/24

Right Out: 166.983+/-0.031 χ^2/NDF: 5419093.3/31

Left In: 213.288+/-0.036 χ^2/NDF:865525.4/22

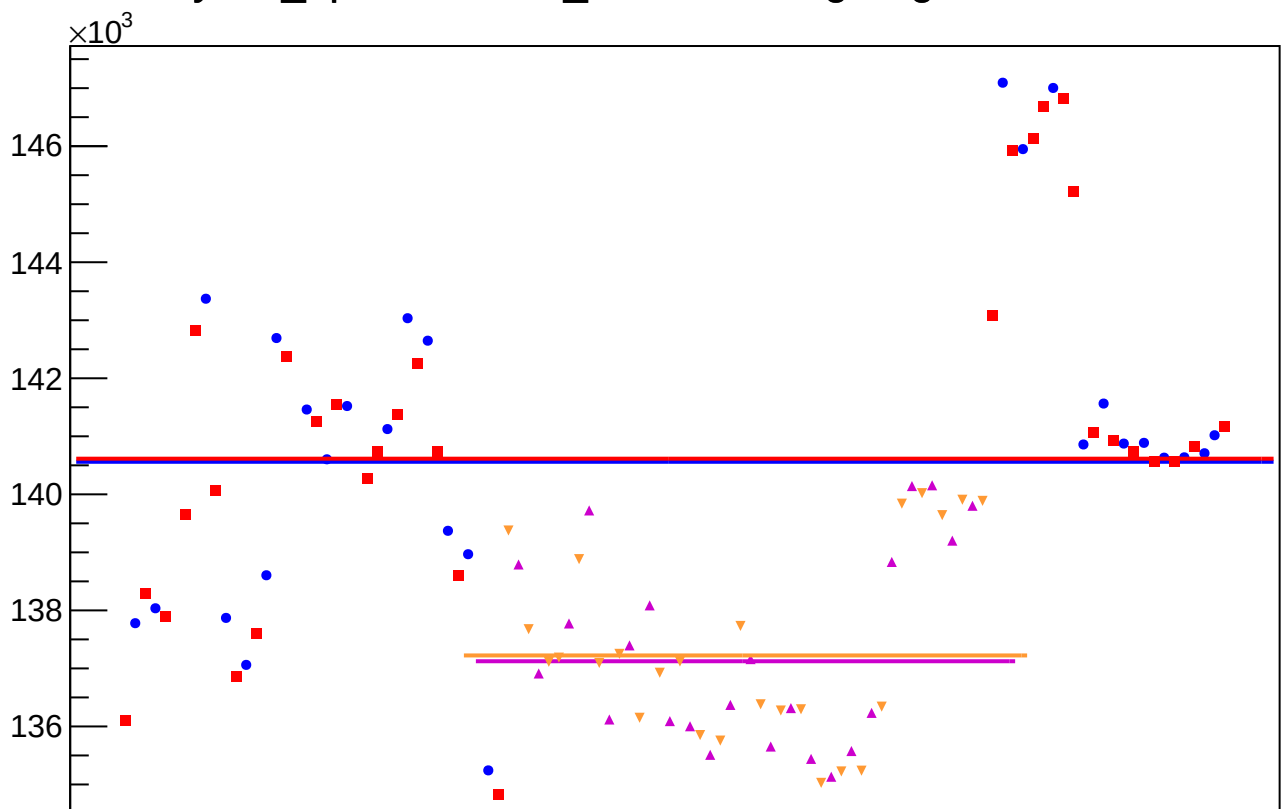
Left: 210.559+/-0.025 χ^2/NDF: 1869455.6/47

Right: 168.971+/-0.023 χ^2/NDF: 10055089.0/58

In: 190.664+/-0.024 χ^2/NDF:6227282.7/49

Out: 185.833+/-0.023 χ^2/NDF:7195916.6/56

All: 188.112+/-0.017 χ^2/NDF: 13443760.8/10



Right In: 140561.184+/-0.053 χ^2/NDF: 2809558599.1/26

Left Out: 137223.651+/-0.049 χ^2/NDF:894565924.0/24

Right Out: 140614.359+/-0.050 χ^2/NDF: 3242919680.4/31

Left In: 137123.557+/-0.051 χ^2/NDF:860635149.0/22

Left: 137175.466+/-0.035 χ^2/NDF: 1757205976.7/4

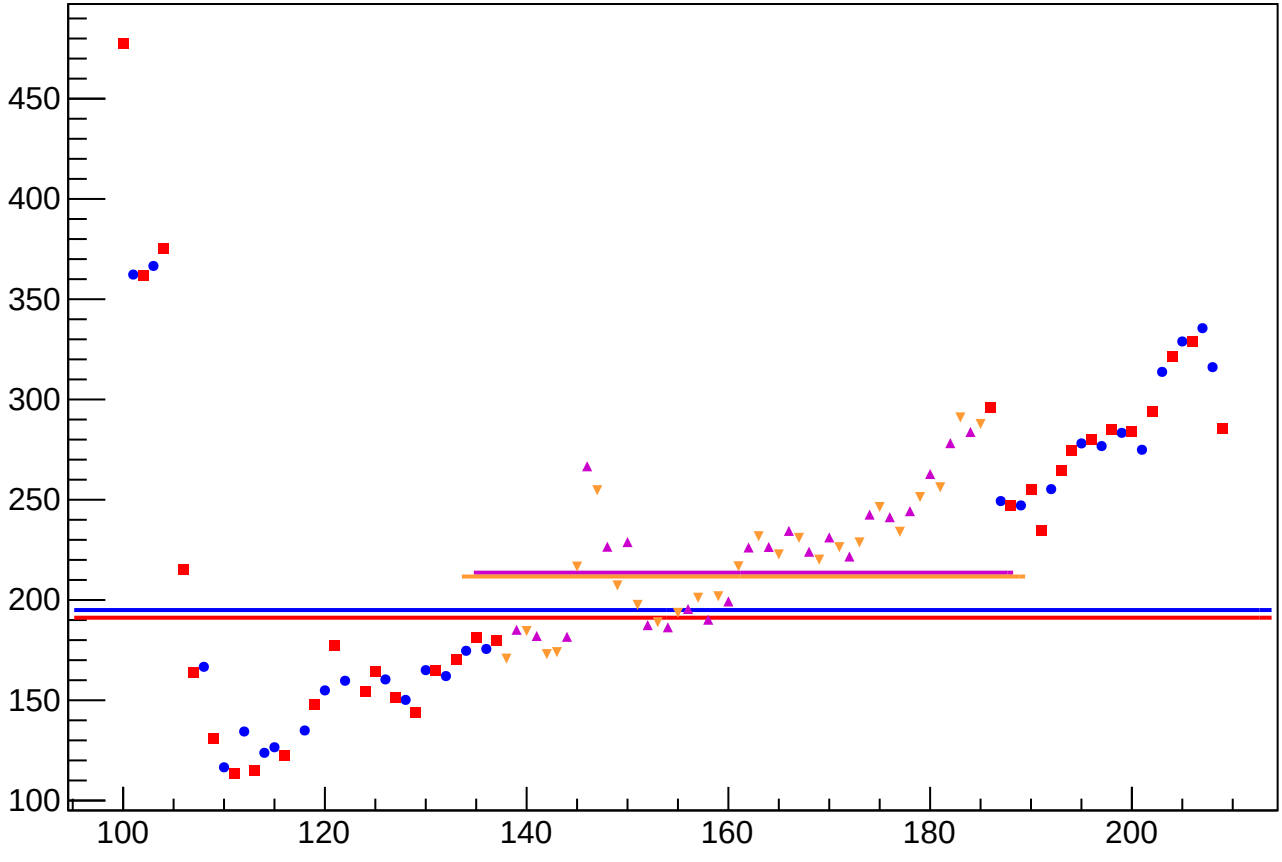
Right: 140589.294+/-0.036 χ^2/NDF: 6053014509.1/

In: 138779.773+/-0.037 χ^2/NDF:5867148093.9/49

Out: 138891.274+/-0.035 χ^2/NDF:6487998672.1/5

All: 138838.142+/-0.025 χ^2/NDF: 12359992

yield_bpm0i02aWS_rms vs Slug, Sign Corrected



Right In: 194.990+/-0.037 χ^2/NDF: 3593494.2/26

Left Out: 211.714+/-0.035 χ^2/NDF:675587.4/24

Right Out: 191.175+/-0.035 χ^2/NDF: 4191388.3/31

Left In: 213.641+/-0.036 χ^2/NDF:621332.1/22

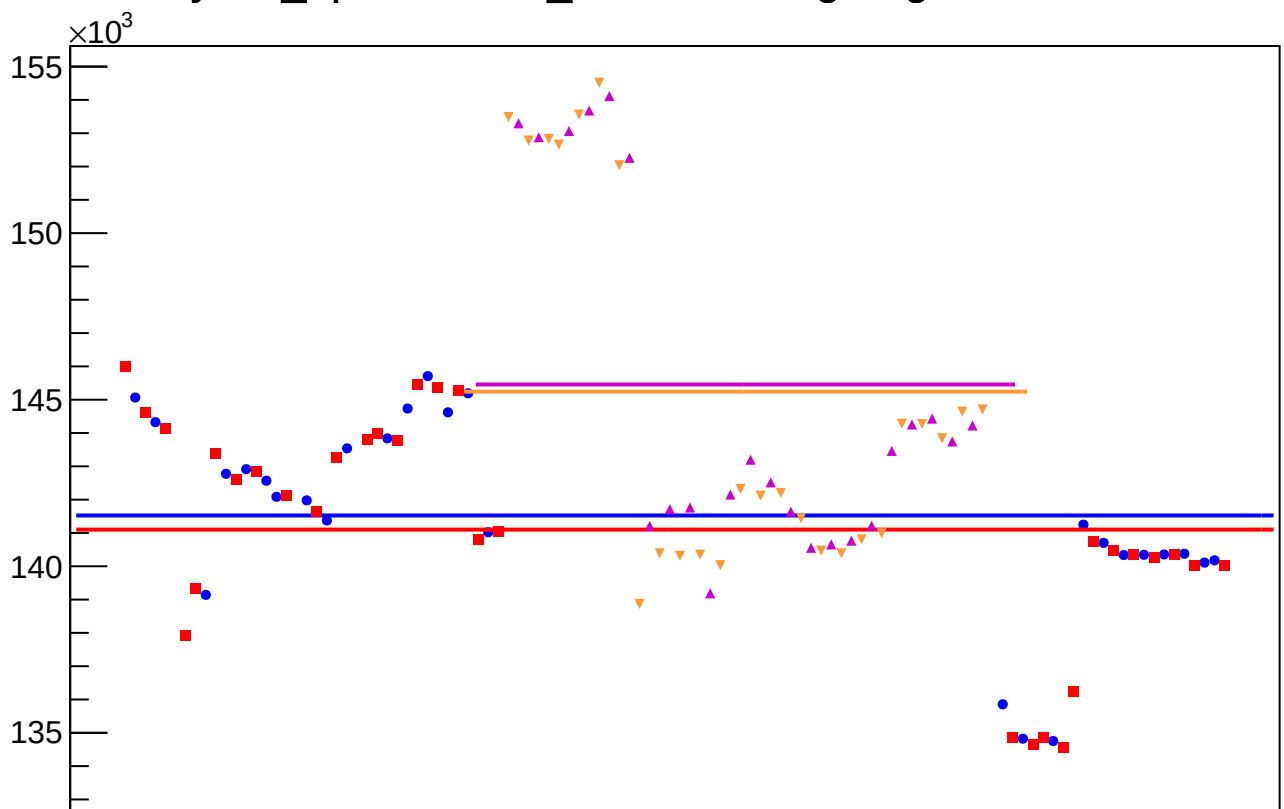
Left: 212.641+/-0.025 χ^2/NDF: 1298405.5/47

Right: 192.973+/-0.026 χ^2/NDF: 7790402.0/58

In: 204.655+/-0.026 χ^2/NDF:4344168.9/49

Out: 201.612+/-0.025 χ^2/NDF:5039467.6/56

All: 203.062+/-0.018 χ^2/NDF: 9390853.0/106



Right In: 141524.511+/-0.053 χ^2/NDF: 2801429304.0/26

Left Out: 145242.337+/-0.050 χ^2/NDF:13032998081.1/24

Right Out: 141100.787+/-0.049 χ^2/NDF: 4423787016.3/31

Left In: 145456.704+/-0.052 χ^2/NDF:11073020116.4/22

Left: 145345.374+/-0.036 χ^2/NDF: 24114988758.0

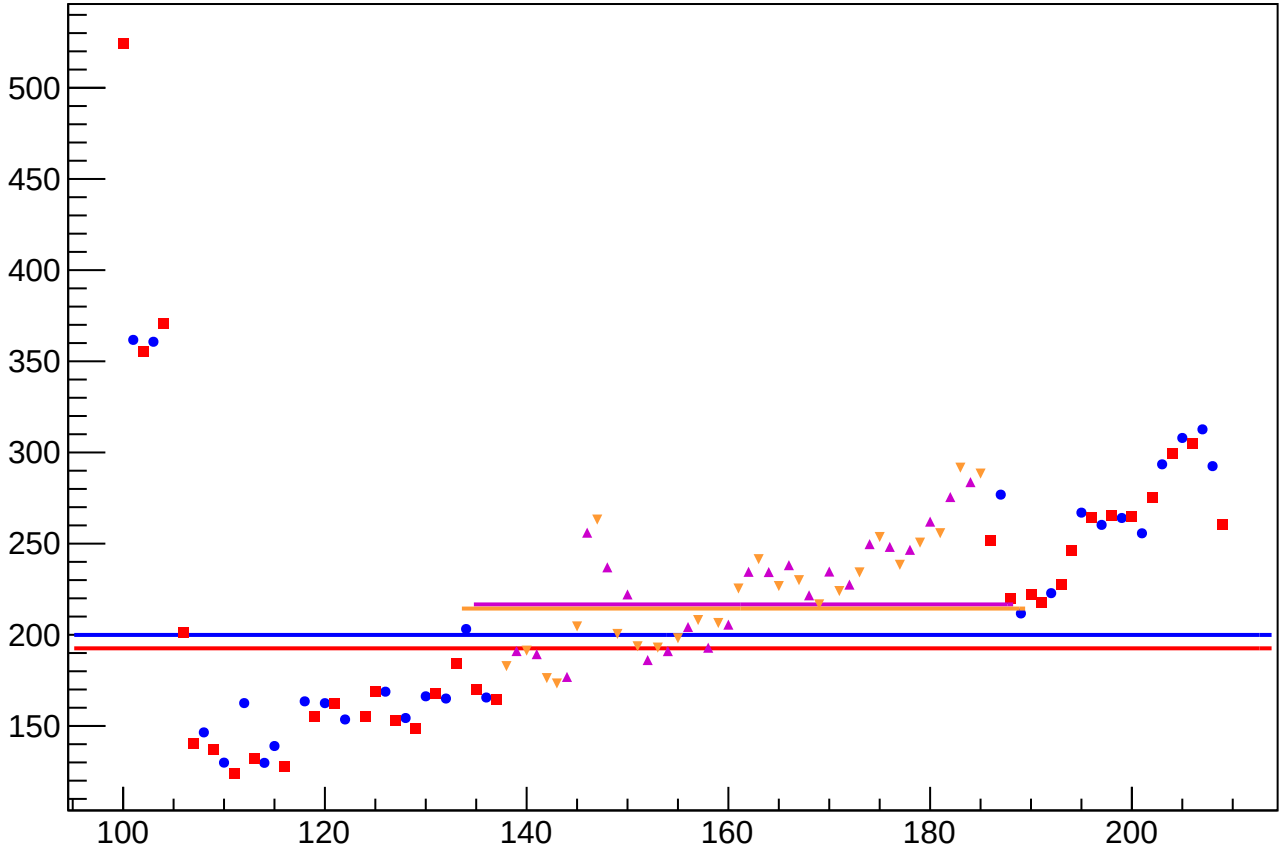
Right: 141296.477+/-0.036 χ^2/NDF: 7259355477.7/

In: 143551.427+/-0.037 χ^2/NDF:16690510538.6/4

Out: 143157.414+/-0.035 χ^2/NDF:20963668184.0

All: 143343.131+/-0.025 χ^2/NDF: 37714025

yield_bpm0i05WS_rms vs Slug, Sign Corrected



Right In: 199.929+/-0.038 χ^2/NDF: 2600629.5/26

Left Out: 214.391+/-0.035 χ^2/NDF:643384.3/24

Right Out: 192.580+/-0.035 χ^2/NDF: 3014268.2/31

Left In: 216.654+/-0.036 χ^2/NDF:587166.8/22

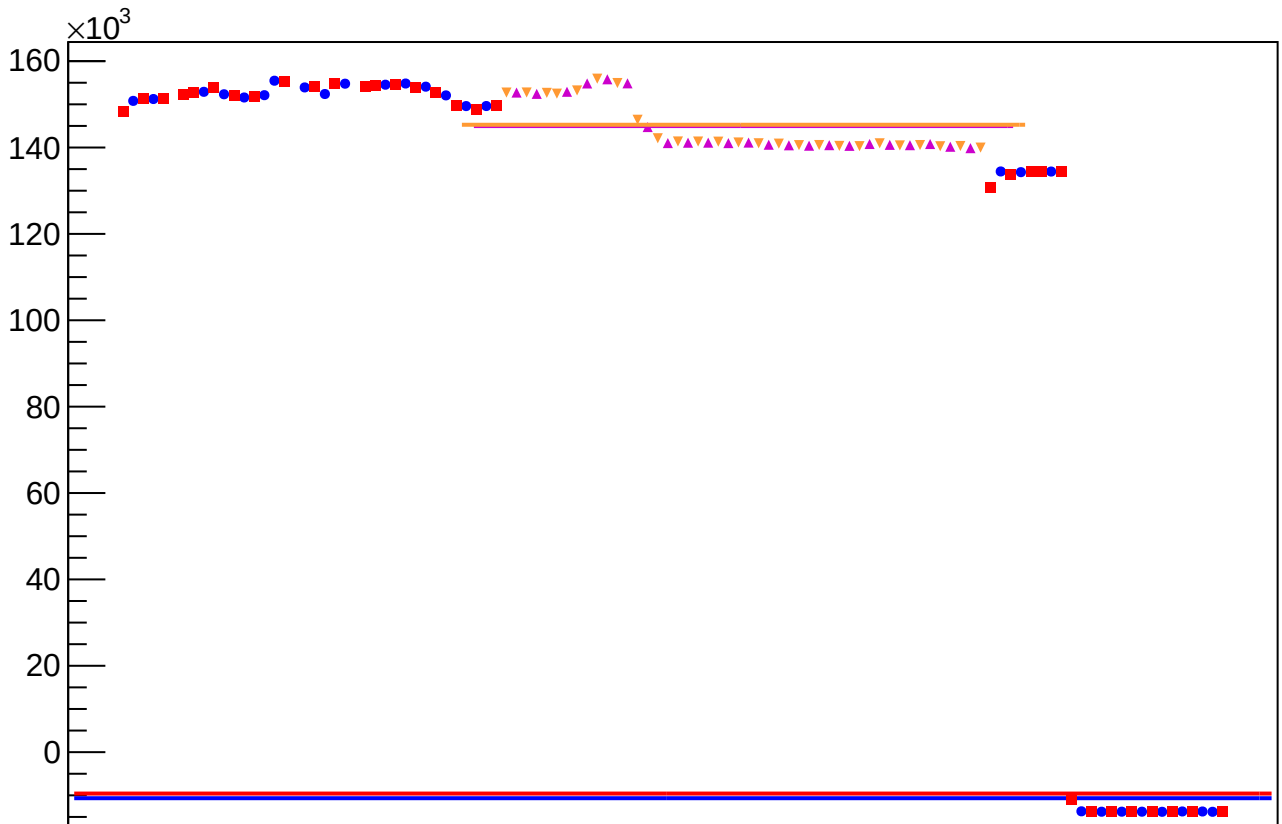
Left: 215.479+/-0.025 χ^2/NDF: 1232550.4/47

Right: 195.974+/-0.026 χ^2/NDF: 5635438.3/58

In: 208.550+/-0.026 χ^2/NDF:3289686.9/49

Out: 203.411+/-0.025 χ^2/NDF:3852183.8/56

All: 205.834+/-0.018 χ^2/NDF: 7162234.8/106



Right In: -10663.809+/-0.009 χ^2/NDF: 5870421332627.6/26

Left Out: 145269.857+/-0.049 χ^2/NDF:13706269279.5/24

Right Out: -9586.344+/-0.009 χ^2/NDF: 7134274483528.4/31

Left In: 144966.398+/-0.051 χ^2/NDF:13154547043.3/22

Left: 145123.606+/-0.036 χ^2/NDF: 26879011850.5

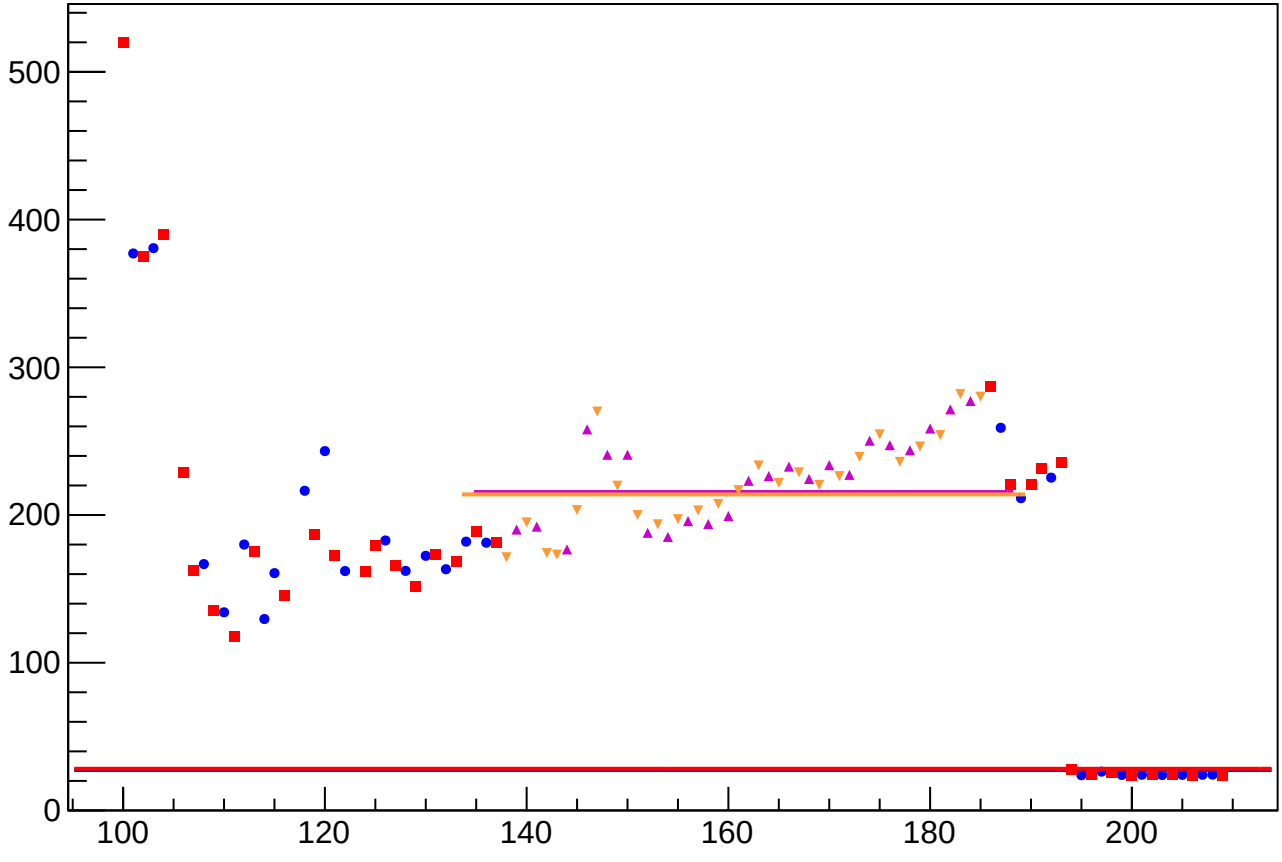
Right: -10139.085+/-0.007 χ^2/NDF: 130113498102

In: -5778.601+/-0.009 χ^2/NDF:14831552432253.2

Out: -4105.029+/-0.009 χ^2/NDF:16631537426429

All: -4961.840+/-0.006 χ^2/NDF: 3147969865

yield_bpm0i07WS_rms vs Slug, Sign Corrected



Right In: 27.396+/-0.007 χ^2/NDF: 12665304.6/26

Left Out: 213.951+/-0.035 χ^2/NDF:650607.8/24

Right Out: 28.204+/-0.007 χ^2/NDF: 14435245.6/31

Left In: 215.539+/-0.036 χ^2/NDF:600575.7/22

Left: 214.716+/-0.025 χ^2/NDF: 1252179.3/47

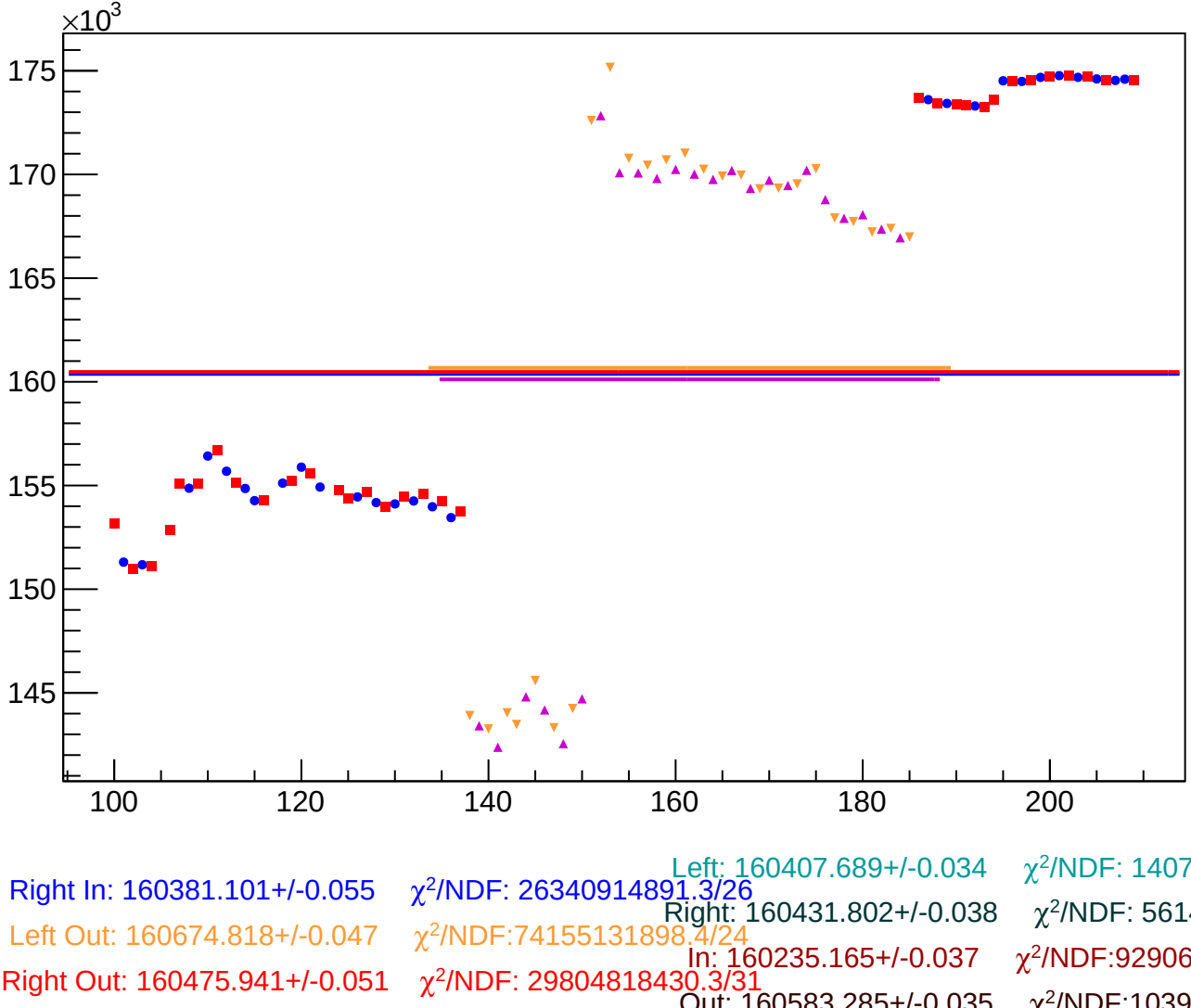
Right: 27.790+/-0.005 χ^2/NDF: 27108027.2/58

In: 33.302+/-0.006 χ^2/NDF:39419962.9/49

Out: 34.779+/-0.007 χ^2/NDF:42374893.4/56

All: 34.023+/-0.005 χ^2/NDF: 81820715.0/106

yield_bpm1i02WS_mean vs Slug, Sign Corrected



Right In: 160381.101+/-0.055 χ^2/NDF: 26340914891.3/26

Left Out: 160674.818+/-0.047 χ^2/NDF:74155131898.4/24

Right Out: 160475.941+/-0.051 χ^2/NDF: 29804818430.3/31

Left In: 160117.460+/-0.049 χ^2/NDF:66553191753.2/22

Left: 160407.689+/-0.034 χ^2/NDF: 140774615101.

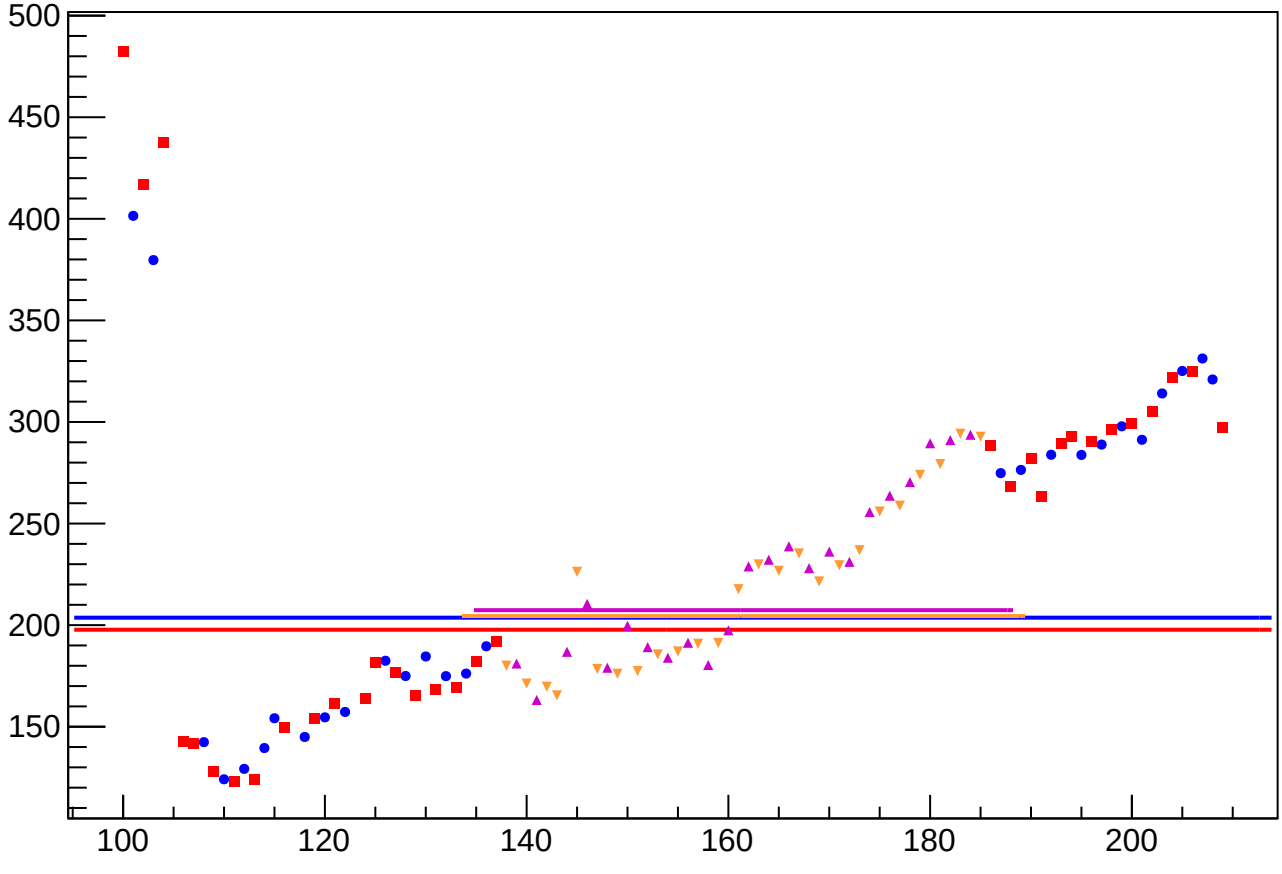
Right: 160431.802+/-0.038 χ^2/NDF: 56147322698.

In: 160235.165+/-0.037 χ^2/NDF:92906823794.0/4

Out: 160583.285+/-0.035 χ^2/NDF:103968055574.

All: 160418.630+/-0.025 χ^2/NDF: 196922163

yield_bpm1i02WS_rms vs Slug, Sign Corrected



Right In: 203.677+/-0.039 χ^2/NDF: 3590447.8/26

Left Out: 204.476+/-0.034 χ^2/NDF:1073199.0/24

Right Out: 197.739+/-0.036 χ^2/NDF: 4305109.2/31

Left In: 207.368+/-0.035 χ^2/NDF:956644.0/22

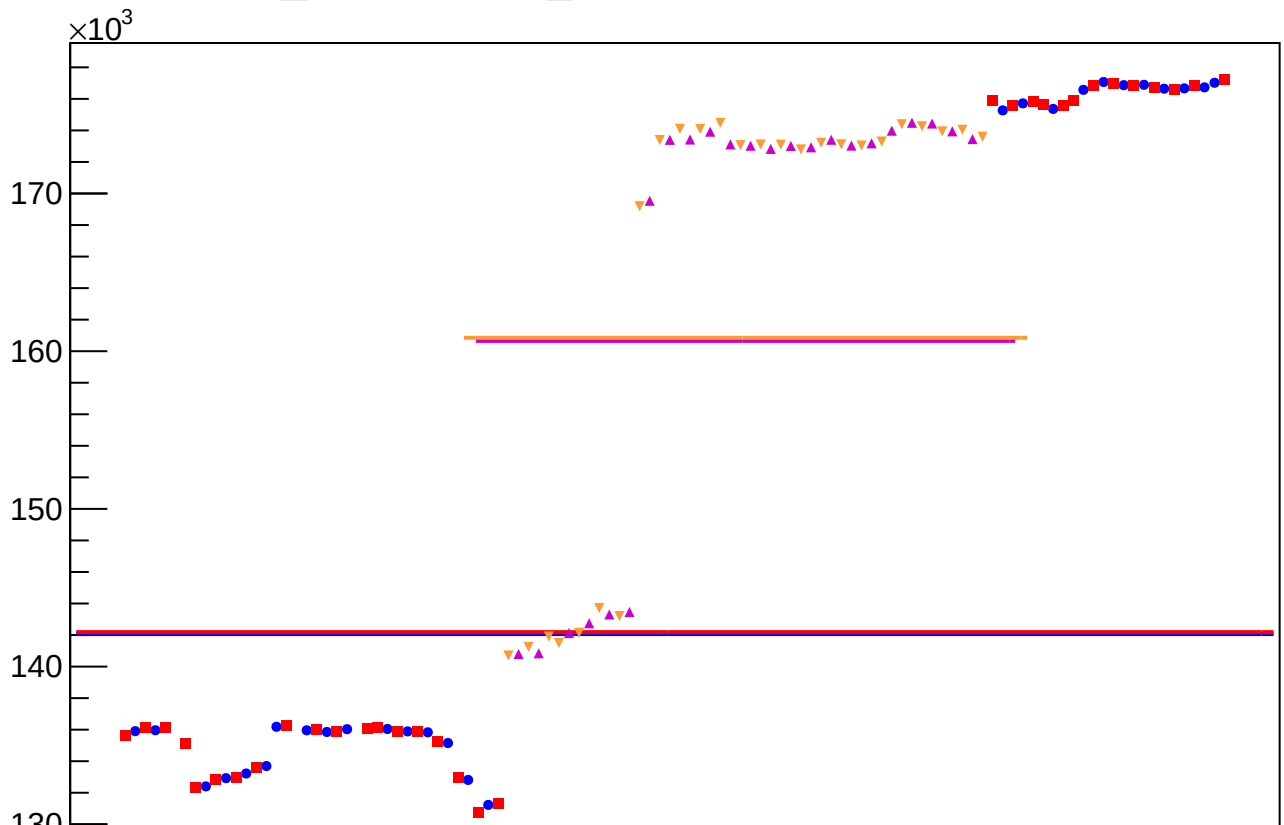
Left: 205.862+/-0.024 χ^2/NDF: 2033412.9/47

Right: 200.503+/-0.027 χ^2/NDF: 7908019.2/58

In: 205.720+/-0.026 χ^2/NDF:4552077.3/49

Out: 201.375+/-0.025 χ^2/NDF:5396911.8/56

All: 203.430+/-0.018 χ^2/NDF: 9963721.7/106



Right In: 142063.302+/-0.046 χ^2/NDF: 128517631506.0/26

Left Out: 160851.077+/-0.048 χ^2/NDF:99202825178.3/24

Right Out: 142186.029+/-0.043 χ^2/NDF: 147816098494.8/31

Left In: 160654.189+/-0.051 χ^2/NDF:90149721861.0/22

Left: 160756.959+/-0.035 χ^2/NDF: 189360447861.

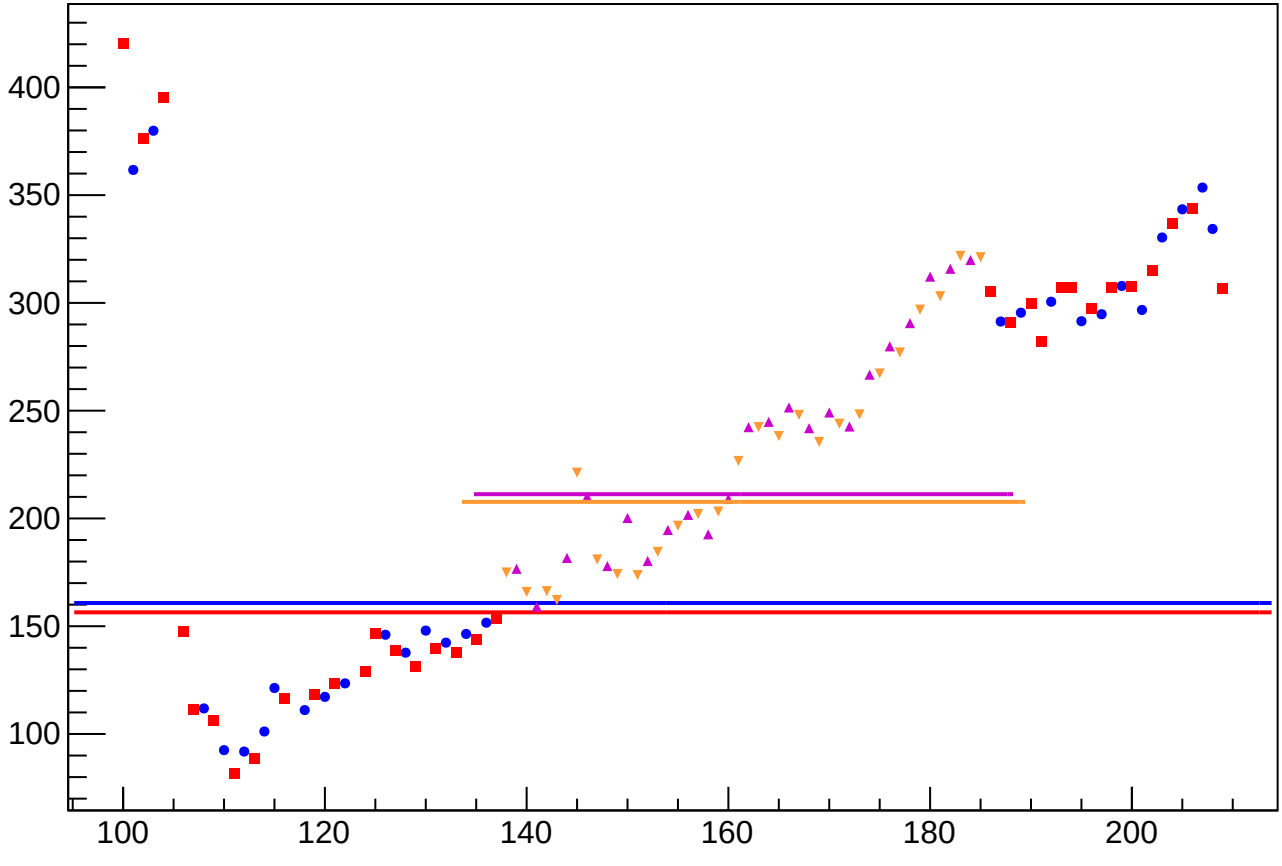
Right: 142128.390+/-0.031 χ^2/NDF: 276337521153

In: 150454.667+/-0.034 χ^2/NDF:292706831754.0

Out: 150455.923+/-0.032 χ^2/NDF:329744757209.

All: 150455.329+/-0.023 χ^2/NDF: 62245158

yield_bpm1i04WS_rms vs Slug, Sign Corrected



Right In: 160.780+/-0.032 χ^2/NDF: 6477071.4/26

Left Out: 207.689+/-0.034 χ^2/NDF:1500711.5/24

Right Out: 156.432+/-0.031 χ^2/NDF: 7535530.8/31

Left In: 211.254+/-0.036 χ^2/NDF:1305730.5/22

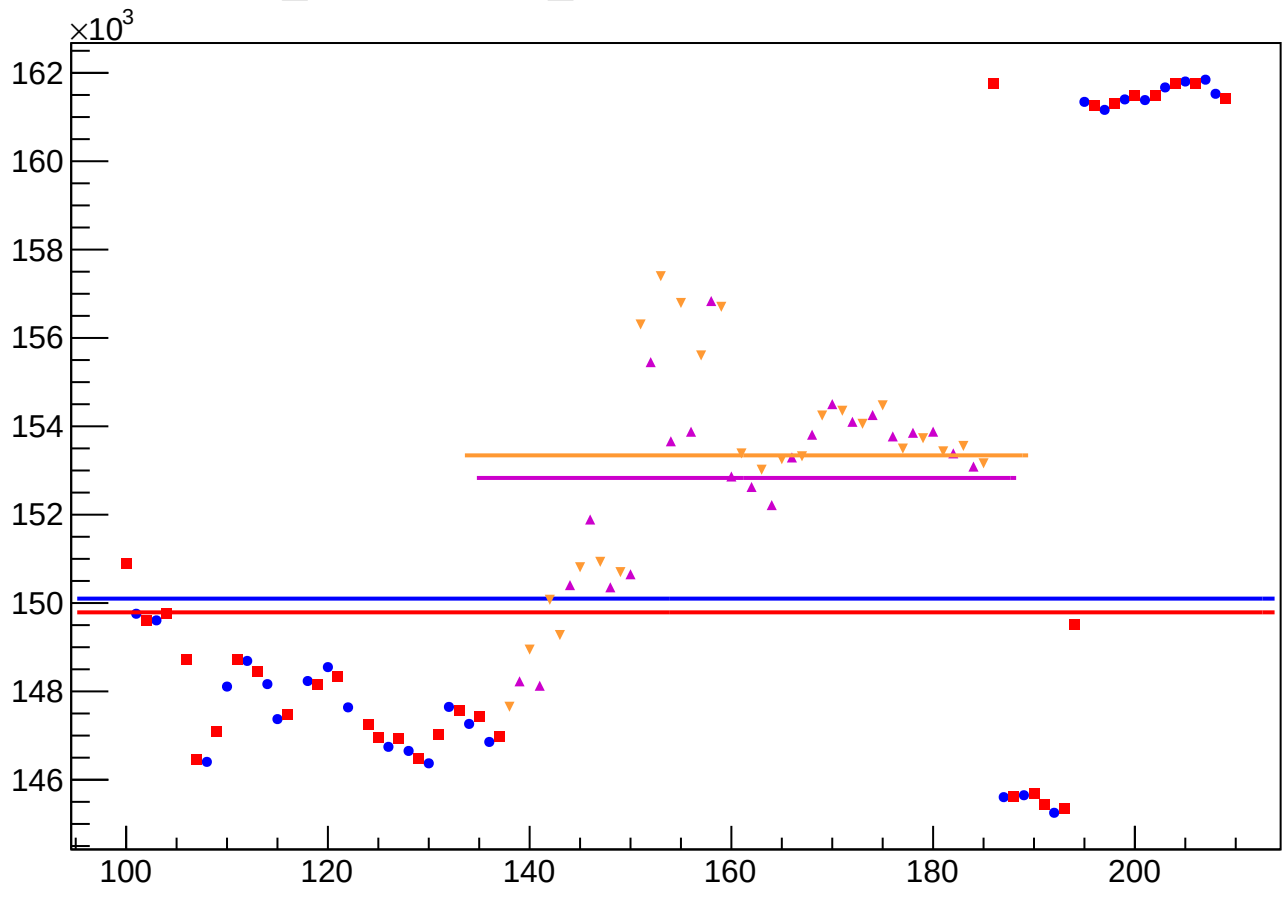
Left: 209.393+/-0.025 χ^2/NDF: 2811623.6/47

Right: 158.474+/-0.022 χ^2/NDF: 14022119.0/58

In: 183.563+/-0.024 χ^2/NDF:8874324.0/49

Out: 179.143+/-0.023 χ^2/NDF:10283960.5/56

All: 181.235+/-0.017 χ^2/NDF: 19176085.7/10



Right In: 150100.082+/-0.054 χ^2/NDF: 10920685686.8/26

Left Out: 153342.472+/-0.051 χ^2/NDF:2978670616.9/24

Right Out: 149789.297+/-0.050 χ^2/NDF: 10724102553.2/31

Left In: 152831.399+/-0.053 χ^2/NDF:1914395326.4/22

Left: 153096.797+/-0.037 χ^2/NDF: 4941719474.7/4

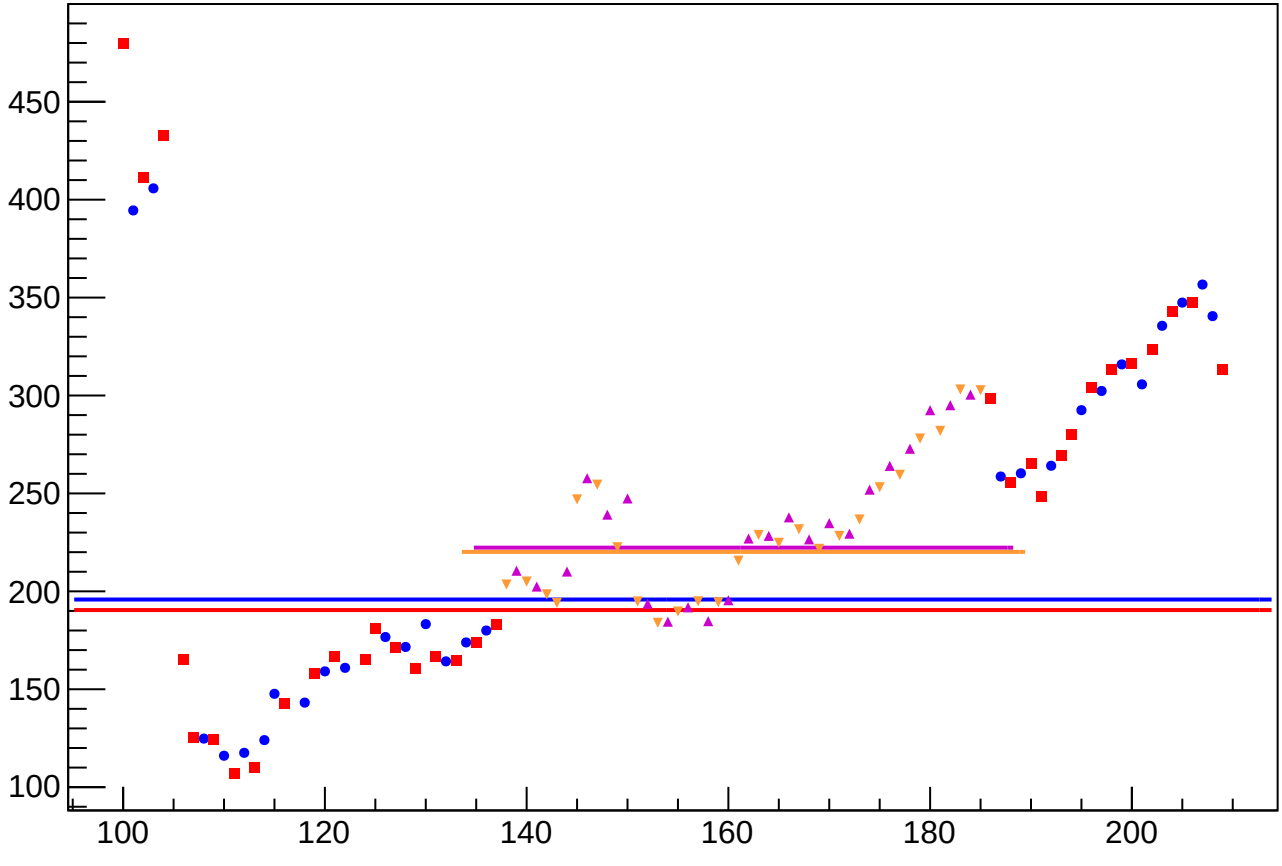
Right: 149934.266+/-0.037 χ^2/NDF: 21662661105.9

In: 151488.736+/-0.038 χ^2/NDF:14150530090.3/4

Out: 151545.044+/-0.036 χ^2/NDF:16177564930.4

All: 151518.377+/-0.026 χ^2/NDF: 30329272

yield_bpm1i06WS_rms vs Slug, Sign Corrected



Right In: 195.821+/-0.038 χ^2/NDF: 4423808.9/26

Left Out: 220.156+/-0.036 χ^2/NDF:685590.6/24

Right Out: 190.441+/-0.036 χ^2/NDF: 5092874.4/31

Left In: 222.304+/-0.037 χ^2/NDF:697605.9/22

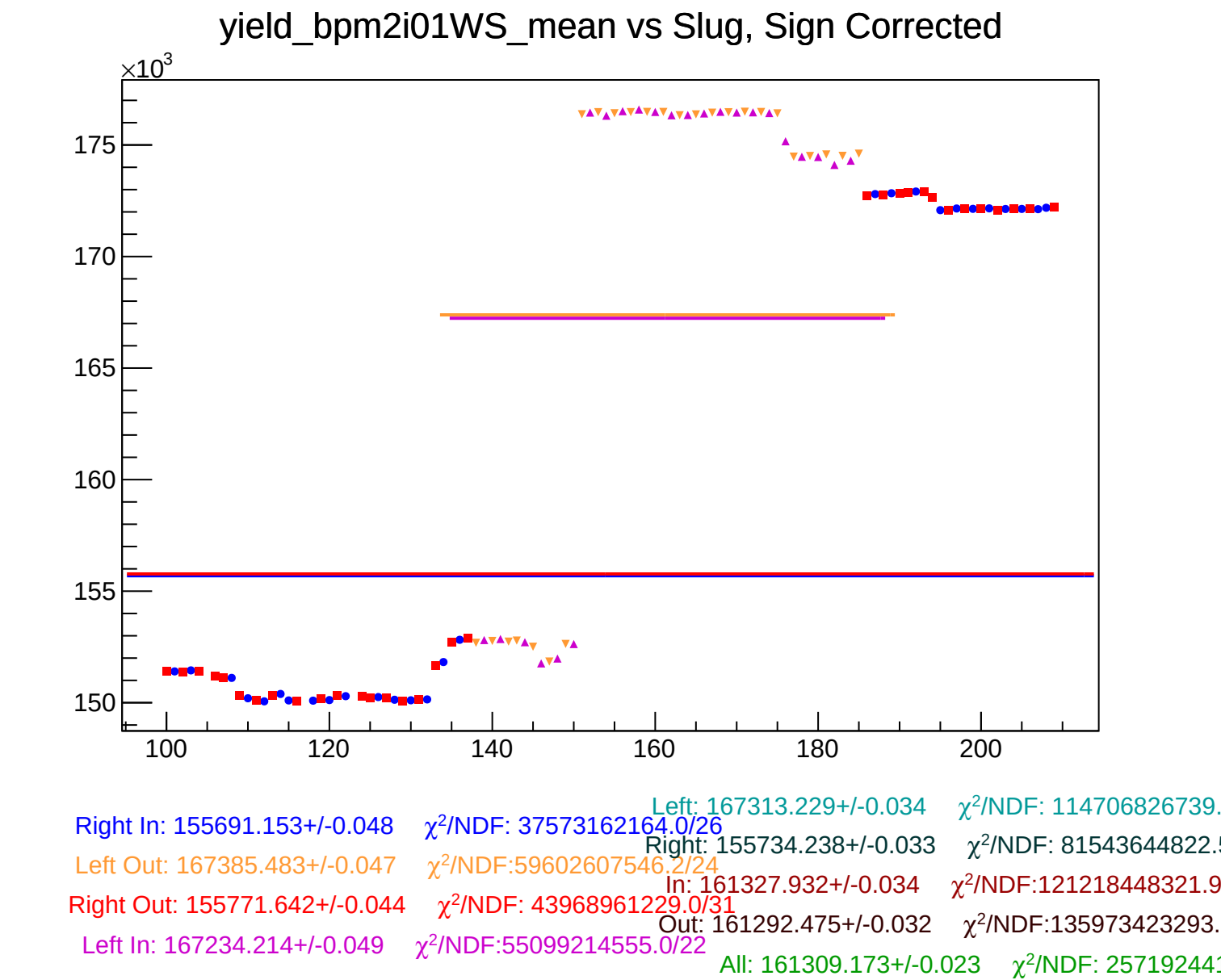
Left: 221.189+/-0.026 χ^2/NDF: 1384916.2/47

Right: 192.951+/-0.026 χ^2/NDF: 9527395.1/58

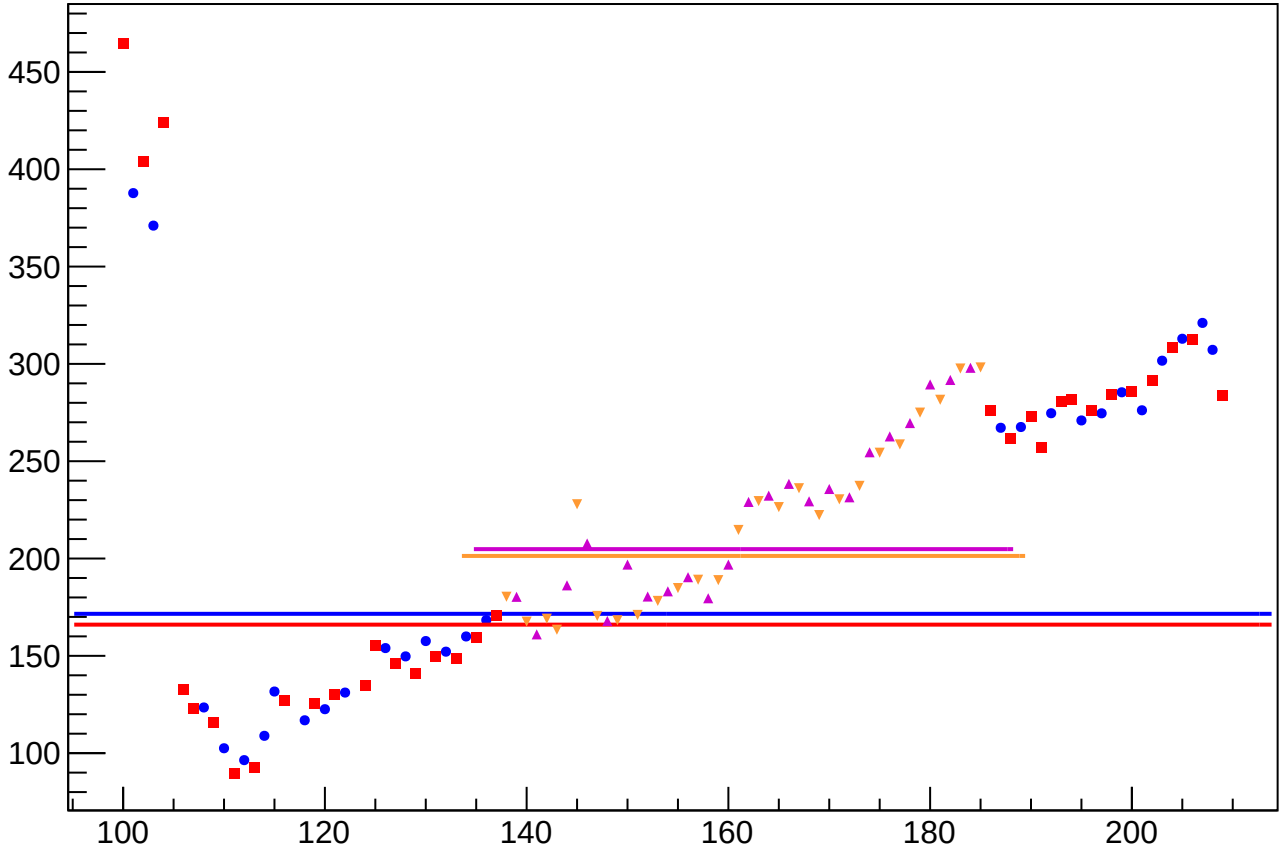
In: 209.286+/-0.027 χ^2/NDF:5368757.7/49

Out: 205.124+/-0.025 χ^2/NDF:6124623.6/56

All: 207.095+/-0.018 χ^2/NDF: 11506244.8/10


yield_bpm2i01WS_mean vs Slug, Sign Corrected
×10^3
175
170
165
160
155
150
100
120
140
160
180
200
Right In: 155691.153+/-0.048 χ²/NDF: 37573162164.0/26
Left Out: 167385.483+/-0.047 χ²/NDF:59602607546.2/24
Right Out: 155771.642+/-0.044 χ²/NDF: 43968961229.0/31
Left In: 167234.214+/-0.049 χ²/NDF:55099214555.0/22
Left: 167313.229+/-0.034 χ²/NDF: 114706826739.
Right: 155734.238+/-0.033 χ²/NDF: 81543644822.5
In: 161327.932+/-0.034 χ²/NDF:121218448321.9
Out: 161292.475+/-0.032 χ²/NDF:135973423293.
All: 161309.173+/-0.023 χ²/NDF: 25719244

yield_bpm2i01WS_rms vs Slug, Sign Corrected



Right In: 171.590+/-0.034 χ^2/NDF: 5107798.6/26

Left Out: 201.329+/-0.033 χ^2/NDF:1230655.6/24

Right Out: 166.029+/-0.031 χ^2/NDF: 6055760.3/31

Left In: 204.826+/-0.035 χ^2/NDF:1053130.7/22

Left: 202.999+/-0.024 χ^2/NDF: 2289136.5/47

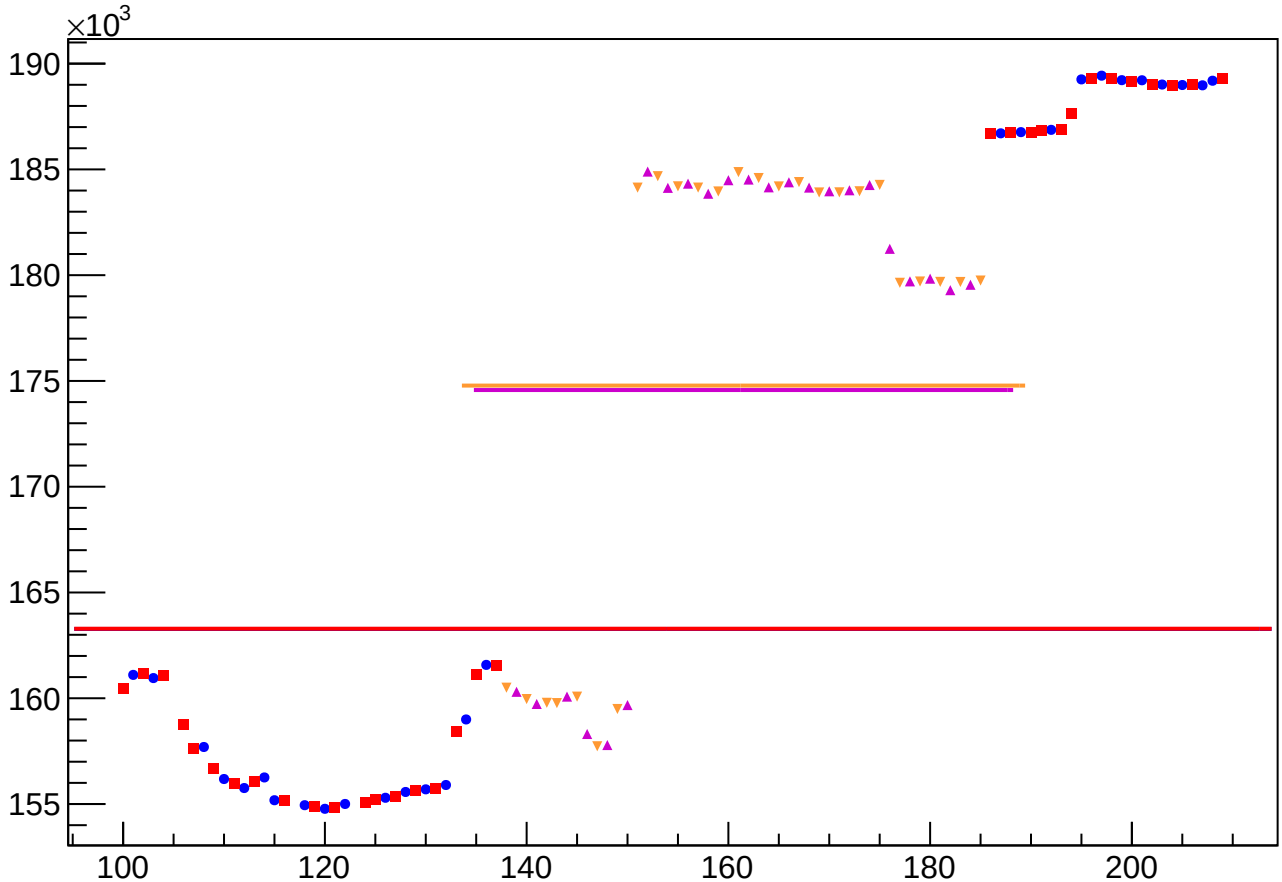
Right: 168.613+/-0.023 χ^2/NDF: 11178081.8/58

In: 187.820+/-0.024 χ^2/NDF:6634242.5/49

Out: 182.809+/-0.023 χ^2/NDF:7885071.6/56

All: 185.169+/-0.017 χ^2/NDF: 14542091.0/10

yield_bpm2i02WS_mean vs Slug, Sign Corrected



Right In: 163275.175+/-0.050 χ^2/NDF: 69127472808.5/26

Left Out: 174780.651+/-0.048 χ^2/NDF:58132787948.0/24

Right Out: 163286.205+/-0.047 χ^2/NDF: 78172689752.7/31

Left In: 174570.001+/-0.050 χ^2/NDF:54757801795.4/22

Left: 174679.876+/-0.035 χ^2/NDF: 112899724862.

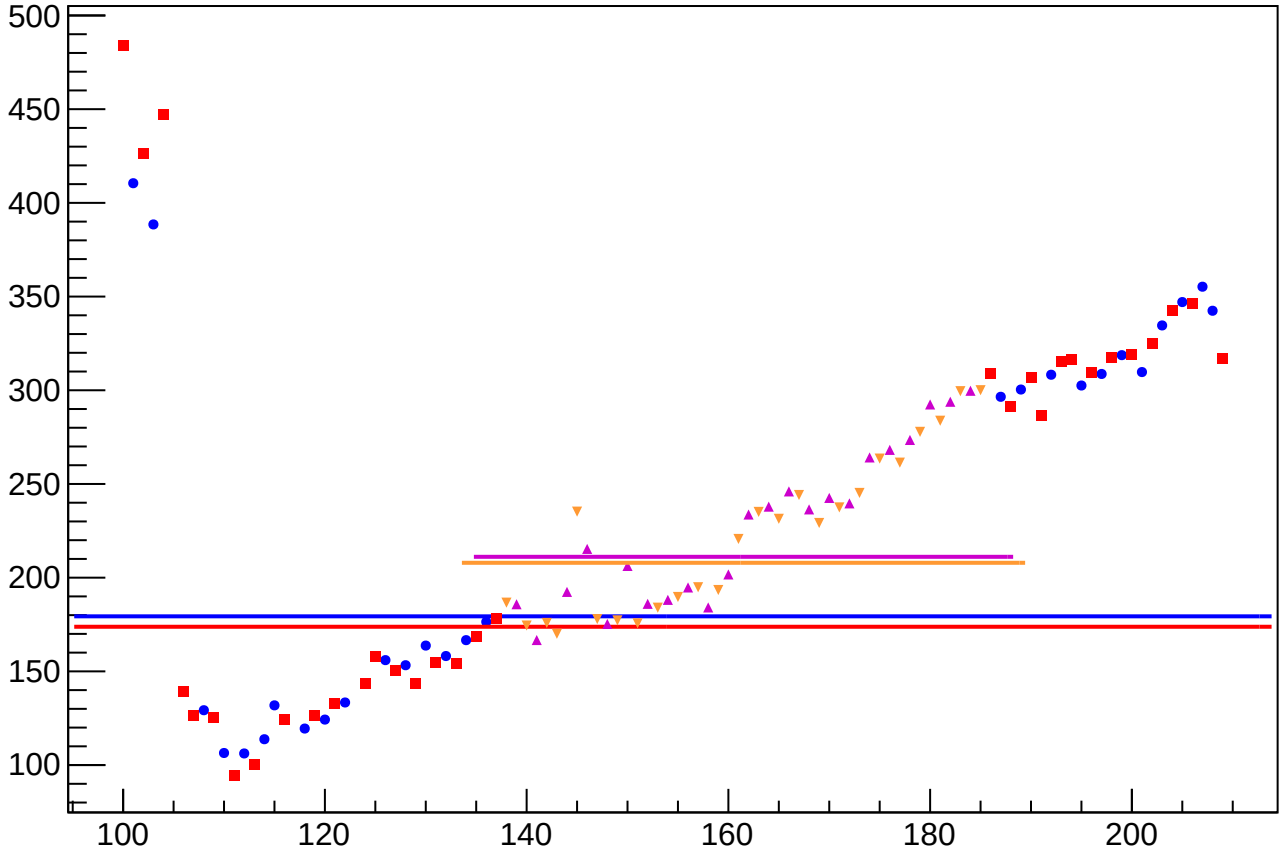
Right: 163281.071+/-0.034 χ^2/NDF: 14730018810

In: 168936.373+/-0.036 χ^2/NDF:148999706739.2

Out: 168898.240+/-0.034 χ^2/NDF:165402139358.

All: 168916.234+/-0.024 χ^2/NDF: 31440245

yield_bpm2i02WS_rms vs Slug, Sign Corrected



Right In: 179.368+/-0.036 χ^2/NDF: 5663022.8/26

Left Out: 207.940+/-0.034 χ^2/NDF:1132127.7/24

Right Out: 173.806+/-0.033 χ^2/NDF: 6667093.2/31

Left In: 211.133+/-0.036 χ^2/NDF:993720.4/22

Left: 209.467+/-0.025 χ^2/NDF: 2130047.7/47

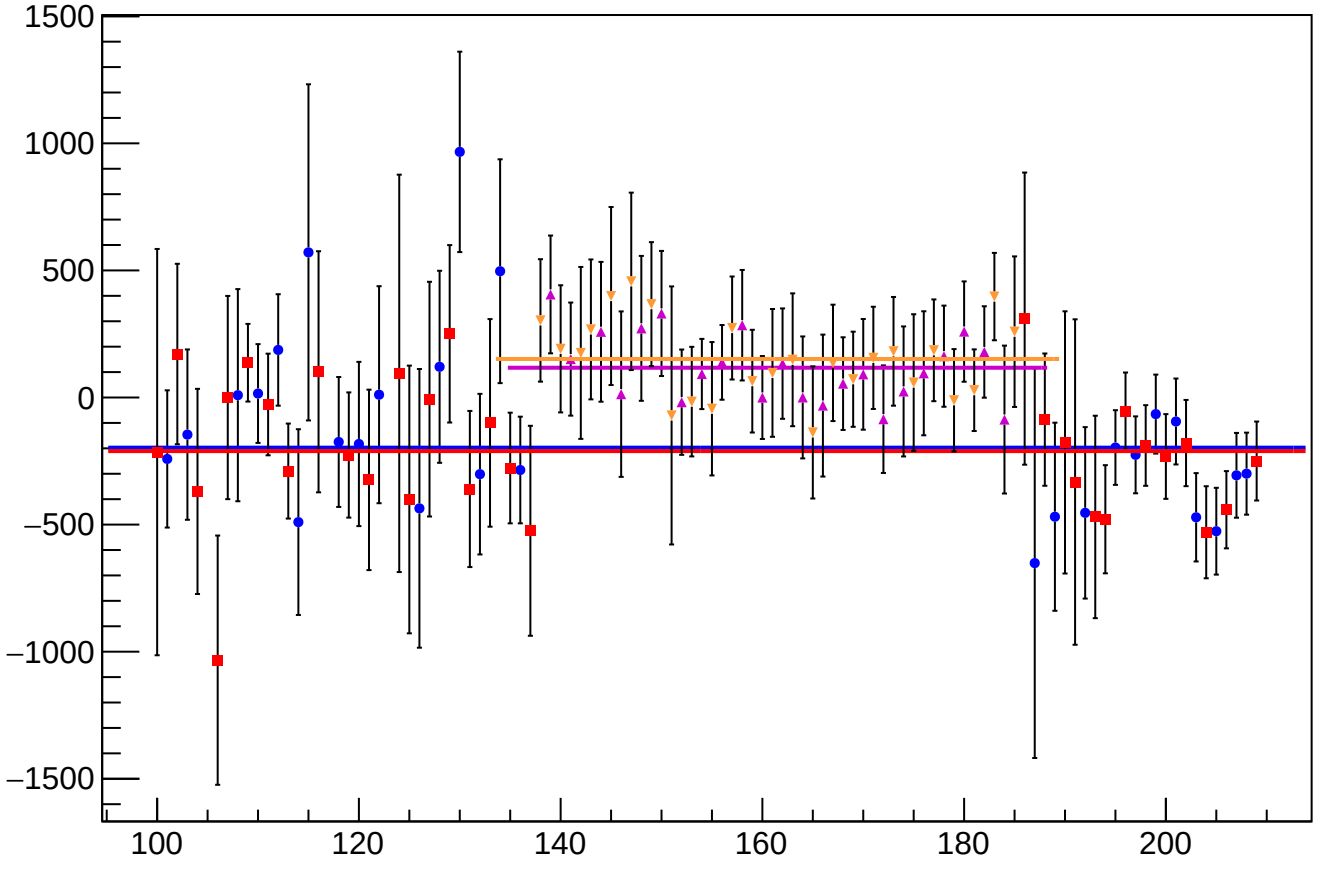
Right: 176.395+/-0.024 χ^2/NDF: 12343107.2/58

In: 195.290+/-0.025 χ^2/NDF:7054023.2/49

Out: 190.471+/-0.024 χ^2/NDF:8312394.9/56

All: 192.745+/-0.017 χ^2/NDF: 15385727.9/10

asym_bcm_target_mean vs Slug, Sign Corrected



Right In: -197.304+/-44.882 χ^2/NDF: 28.8/26

Left Out: 151.598+/-46.419 χ^2/NDF:9.6/24

Right Out: -210.799+/-43.275 χ^2/NDF: 24.0/31

Left In: 117.163+/-43.778 χ^2/NDF:7.5/22

Left: 133.373+/-31.848 χ^2/NDF: 17.4/47

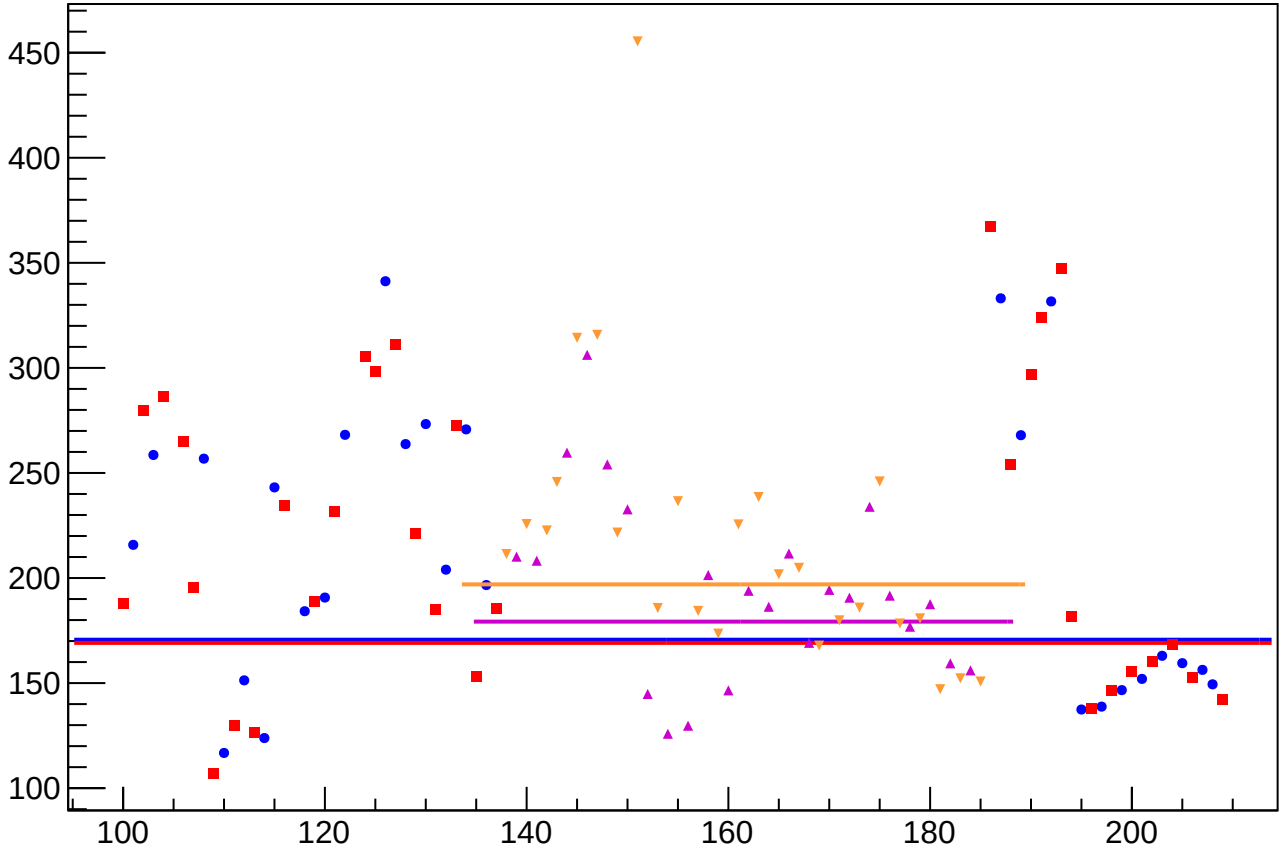
Right: -204.297+/-31.153 χ^2/NDF: 52.9/58

In: -36.157+/-31.339 χ^2/NDF:61.4/49

Out: -42.286+/-31.653 χ^2/NDF:66.2/56

All: -39.191+/-22.270 χ^2/NDF: 127.7/106

asym_bcm_target_rms vs Slug, Sign Corrected



Right In: 170.638+/-0.032 χ^2/NDF: 2238451.2/26

Left Out: 196.975+/-0.033 χ^2/NDF:1809307.4/24

Right Out: 169.132+/-0.031 χ^2/NDF: 2962597.7/31

Left In: 179.256+/-0.031 χ^2/NDF:1656023.5/22

Left: 187.597+/-0.023 χ^2/NDF: 3619571.5/47

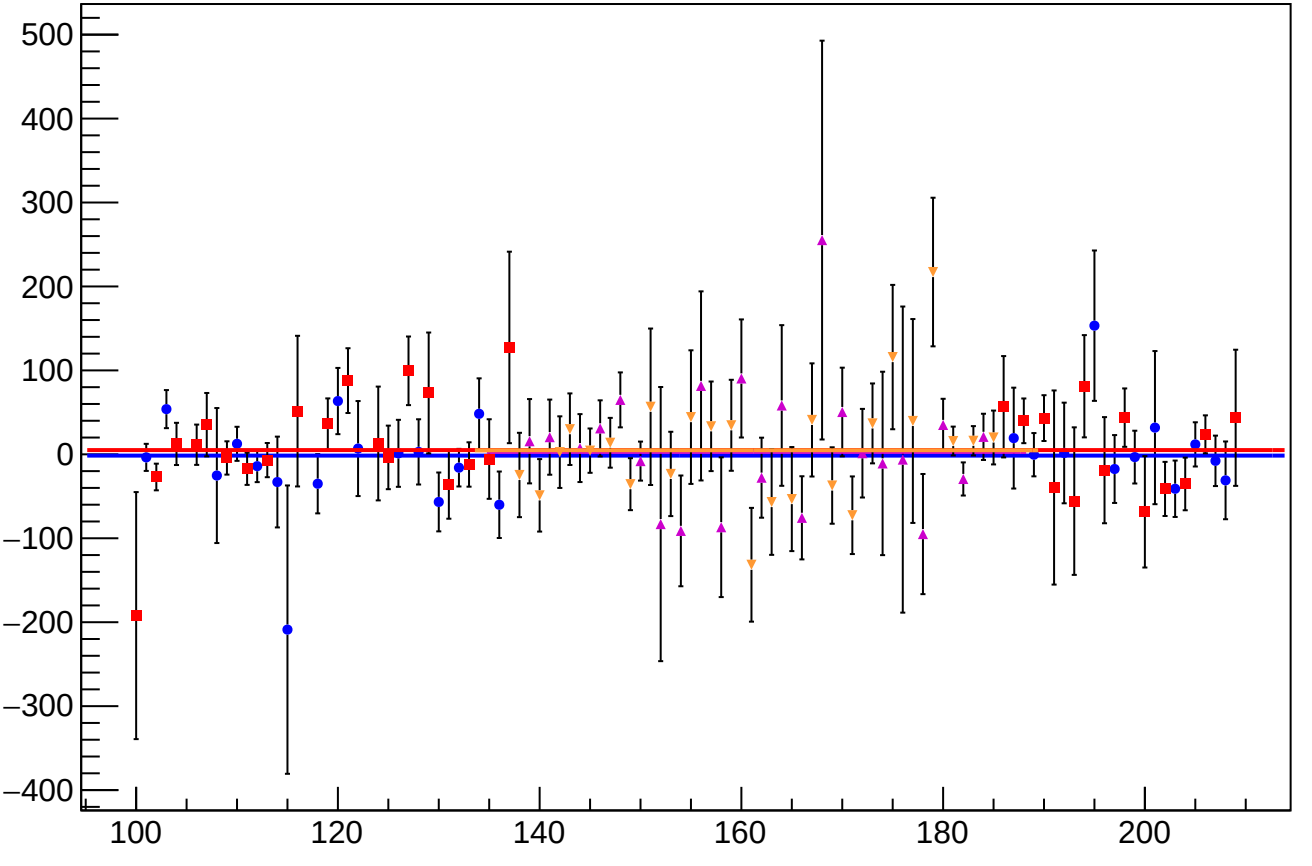
Right: 169.858+/-0.022 χ^2/NDF: 5202217.0/58

In: 175.054+/-0.022 χ^2/NDF:3932259.0/49

Out: 182.079+/-0.022 χ^2/NDF:5156895.1/56

All: 178.531+/-0.016 χ^2/NDF: 9138893.1/106

asym_bcm_an_diff_mean vs Slug, Sign Corrected



Right In: -1.509+/-6.156 χ^2/NDF: 24.4/26

Left Out: 4.803+/-7.601 χ^2/NDF:24.3/24

Right Out: 5.063+/-5.704 χ^2/NDF: 37.2/31

Left In: 2.918+/-8.840 χ^2/NDF:21.5/22

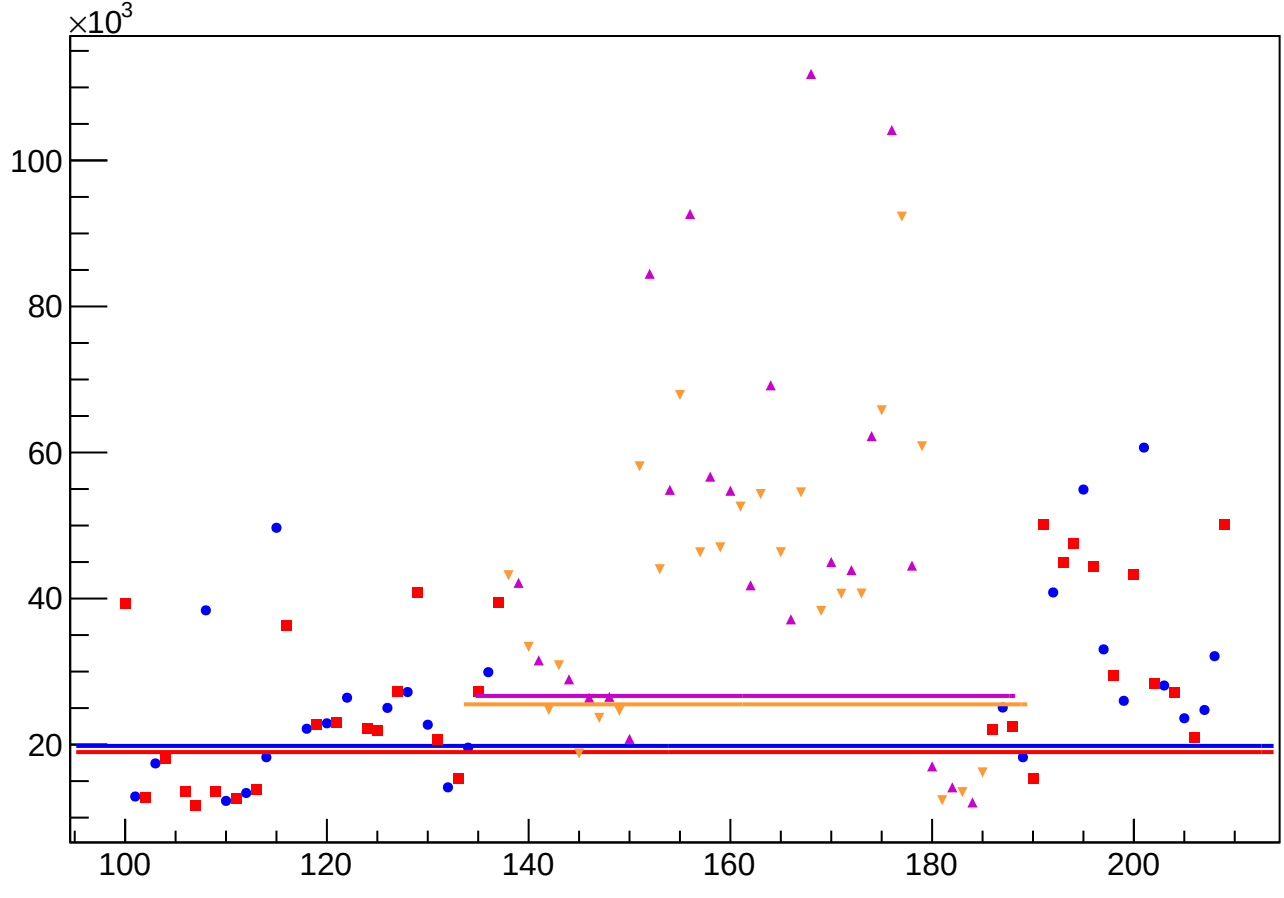
Left: 4.002+/-5.763 χ^2/NDF: 45.9/47

Right: 2.027+/-4.184 χ^2/NDF: 62.3/58

In: -0.063+/-5.052 χ^2/NDF:46.1/49

Out: 4.969+/-4.562 χ^2/NDF:61.6/56

All: 2.709+/-3.386 χ^2/NDF: 108.2/106



Right In: 19818.677+/-4.353 χ^2/NDF: 3116835.4/26

Left Out: 25512.643+/-5.375 χ^2/NDF:7742585.8/24

Right Out: 18973.488+/-4.034 χ^2/NDF: 3821647.0/31

Left In: 26660.853+/-6.251 χ^2/NDF:5883195.1/22

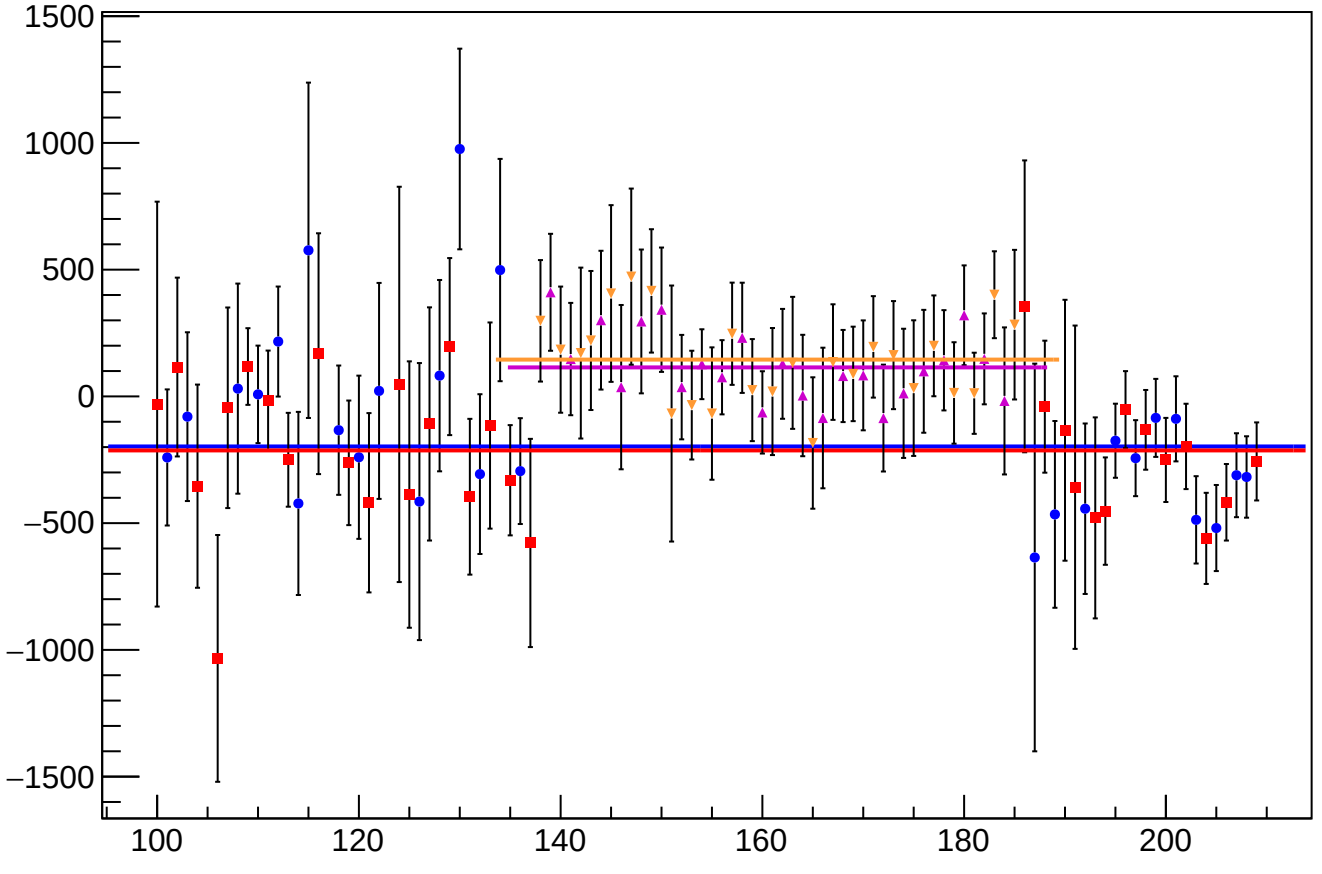
Left: 26000.695+/-4.075 χ^2/NDF: 13645179.5/47

Right: 19363.953+/-2.959 χ^2/NDF: 6958766.5/58

In: 22053.001+/-3.572 χ^2/NDF:9806883.2/49

Out: 21329.459+/-3.226 χ^2/NDF:12511150.2/56

All: 21654.503+/-2.394 χ^2/NDF: 22340629.8



Right In: -197.511+/-44.587 χ^2/NDF: 29.6/26

Left Out: 145.172+/-46.225 χ^2/NDF:11.2/24

Right Out: -213.084+/-43.003 χ^2/NDF: 24.4/31

Left In: 114.400+/-43.619 χ^2/NDF:8.4/22

Left: 128.894+/-31.725 χ^2/NDF: 19.8/47

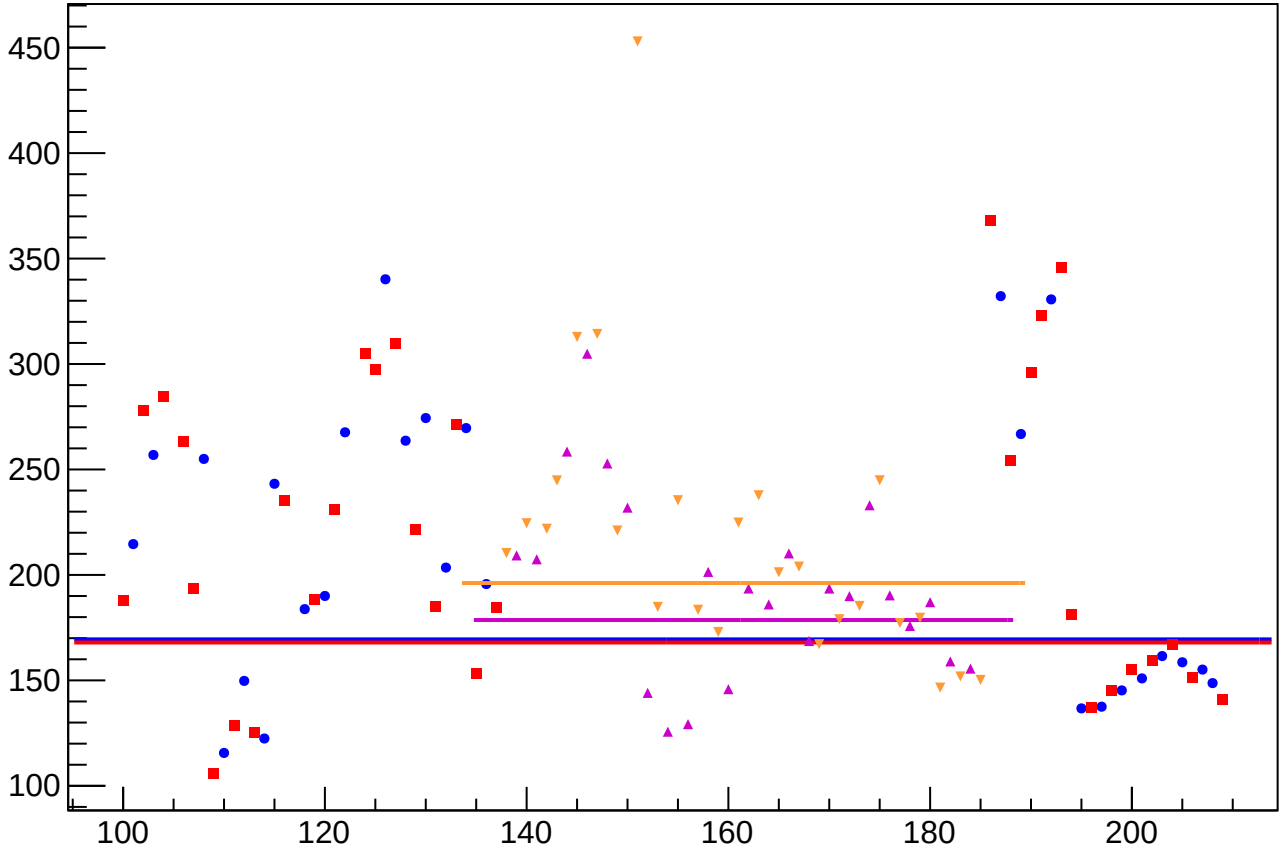
Right: -205.579+/-30.953 χ^2/NDF: 54.0/58

In: -38.133+/-31.180 χ^2/NDF:63.0/49

Out: -46.879+/-31.485 χ^2/NDF:67.8/56

All: -42.463+/-22.155 χ^2/NDF: 130.8/106

asym_bcm_an_ds_rms vs Slug, Sign Corrected



Right In: 169.438+/-0.032 χ^2/NDF: 2267490.2/26

Left Out: 196.166+/-0.033 χ^2/NDF:1806871.5/24

Right Out: 167.965+/-0.030 χ^2/NDF: 3000972.1/31

Left In: 178.621+/-0.031 χ^2/NDF:1651873.8/22

Left: 186.885+/-0.022 χ^2/NDF: 3611152.5/47

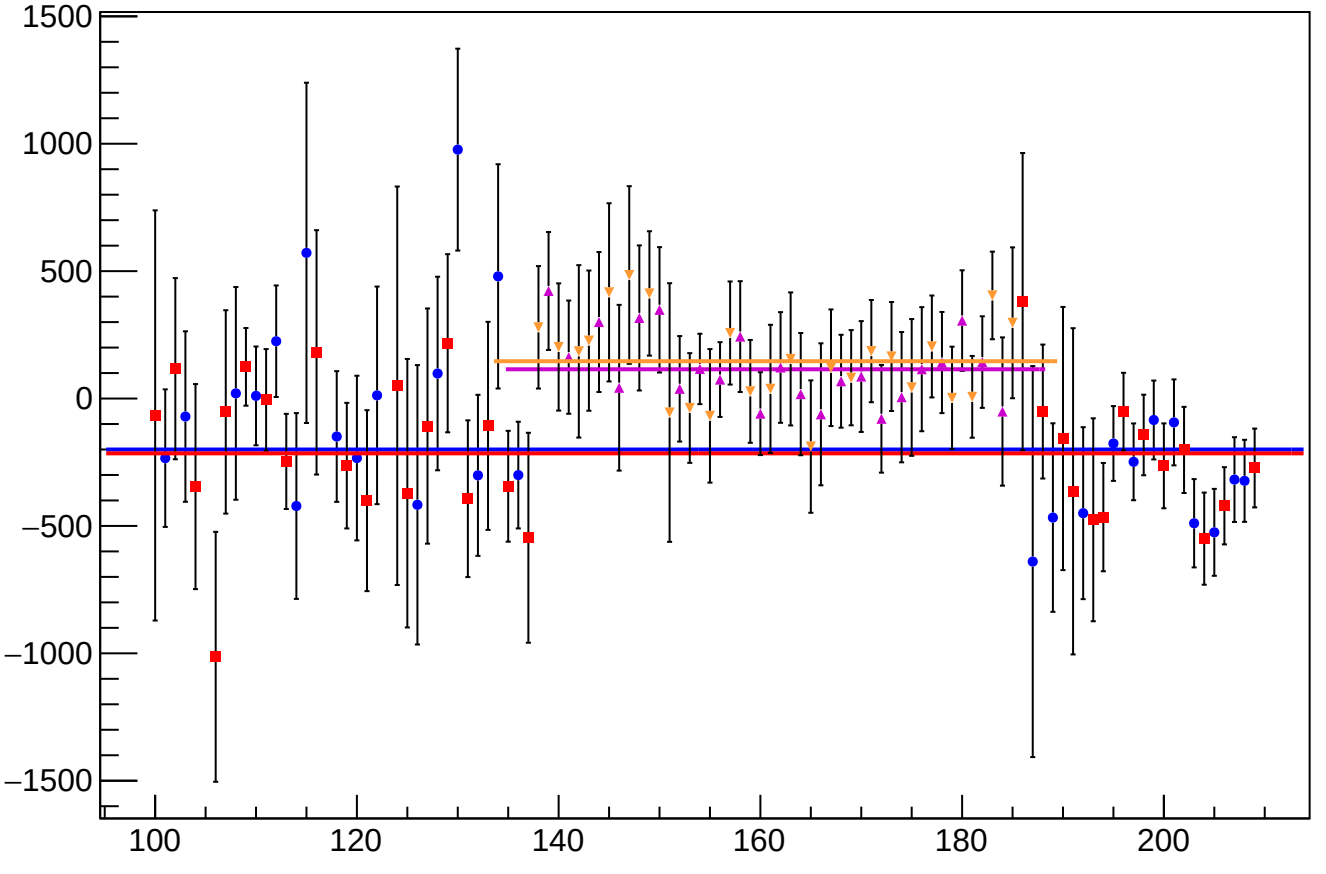
Right: 168.675+/-0.022 χ^2/NDF: 5269593.8/58

In: 174.130+/-0.022 χ^2/NDF:3962706.6/49

Out: 181.048+/-0.022 χ^2/NDF:5206876.0/56

All: 177.555+/-0.016 χ^2/NDF: 9218325.8/106

asym_bcm_an_ds3_mean vs Slug, Sign Corrected



Right In: -200.090+/-44.805 χ^2/NDF: 29.7/26

Left Out: 146.417+/-46.379 χ^2/NDF:11.4/24

Right Out: -215.163+/-43.222 χ^2/NDF: 24.3/31

Left In: 114.807+/-43.740 χ^2/NDF:8.4/22

Left: 129.688+/-31.821 χ^2/NDF: 20.1/47

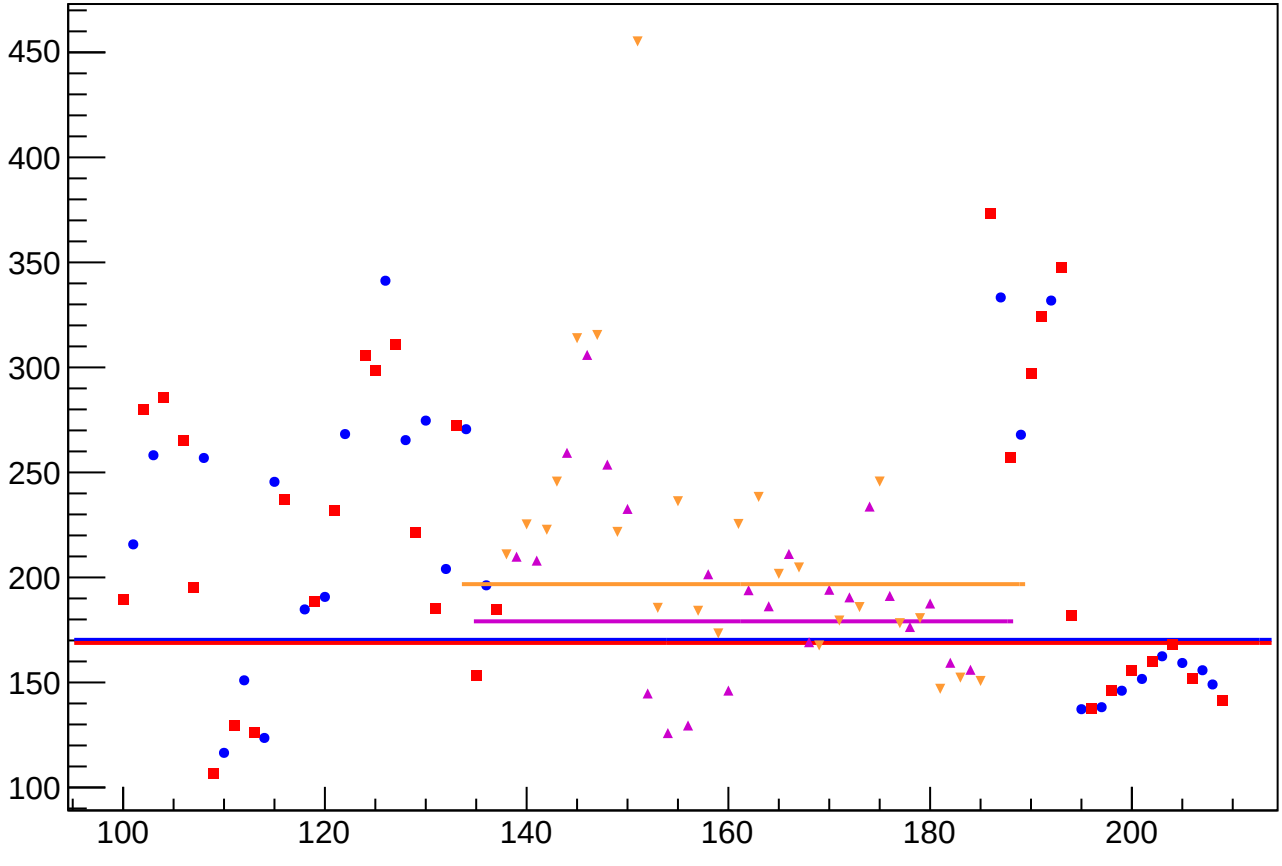
Right: -207.897+/-31.107 χ^2/NDF: 54.0/58

In: -38.857+/-31.299 χ^2/NDF:63.4/49

Out: -47.098+/-31.620 χ^2/NDF:68.2/56

All: -42.935+/-22.244 χ^2/NDF: 131.7/106

asym_bcm_an_ds3_rms vs Slug, Sign Corrected



Right In: 170.284+/-0.032 χ^2/NDF: 2259768.5/26

Left Out: 196.805+/-0.033 χ^2/NDF:1808608.7/24

Right Out: 168.825+/-0.031 χ^2/NDF: 2998456.6/31

Left In: 179.101+/-0.031 χ^2/NDF:1655866.1/22

Left: 187.435+/-0.023 χ^2/NDF: 3618723.6/47

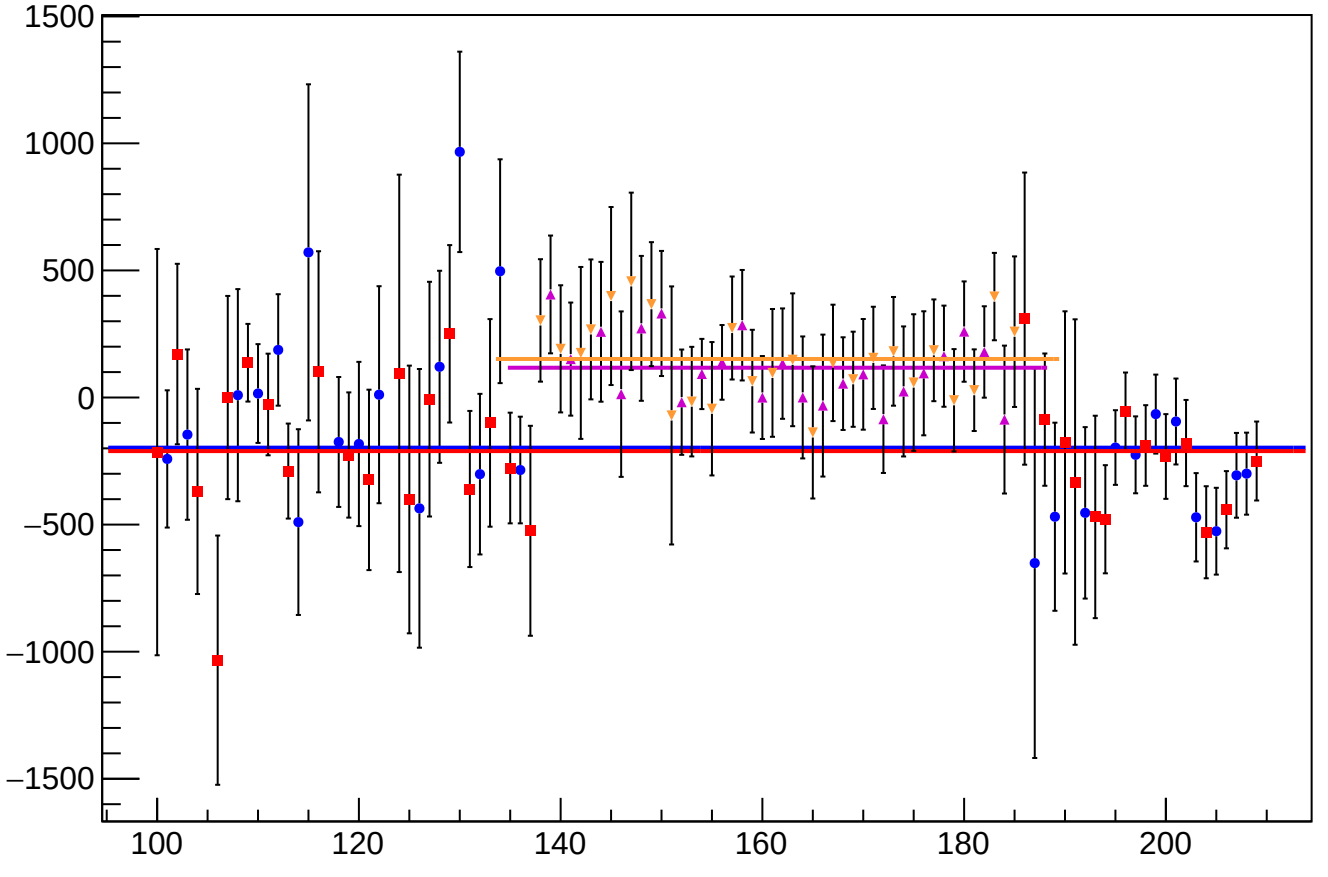
Right: 169.528+/-0.022 χ^2/NDF: 5259324.6/58

In: 174.798+/-0.022 χ^2/NDF:3955286.7/49

Out: 181.830+/-0.022 χ^2/NDF:5196666.6/56

All: 178.278+/-0.016 χ^2/NDF: 9201913.5/106

asym_bcm_an_us_mean vs Slug, Sign Corrected



Right In: -197.304+/-44.882 χ^2/NDF: 28.8/26

Left Out: 151.598+/-46.419 χ^2/NDF:9.6/24

Right Out: -210.799+/-43.275 χ^2/NDF: 24.0/31

Left In: 117.163+/-43.778 χ^2/NDF:7.5/22

Left: 133.373+/-31.848 χ^2/NDF: 17.4/47

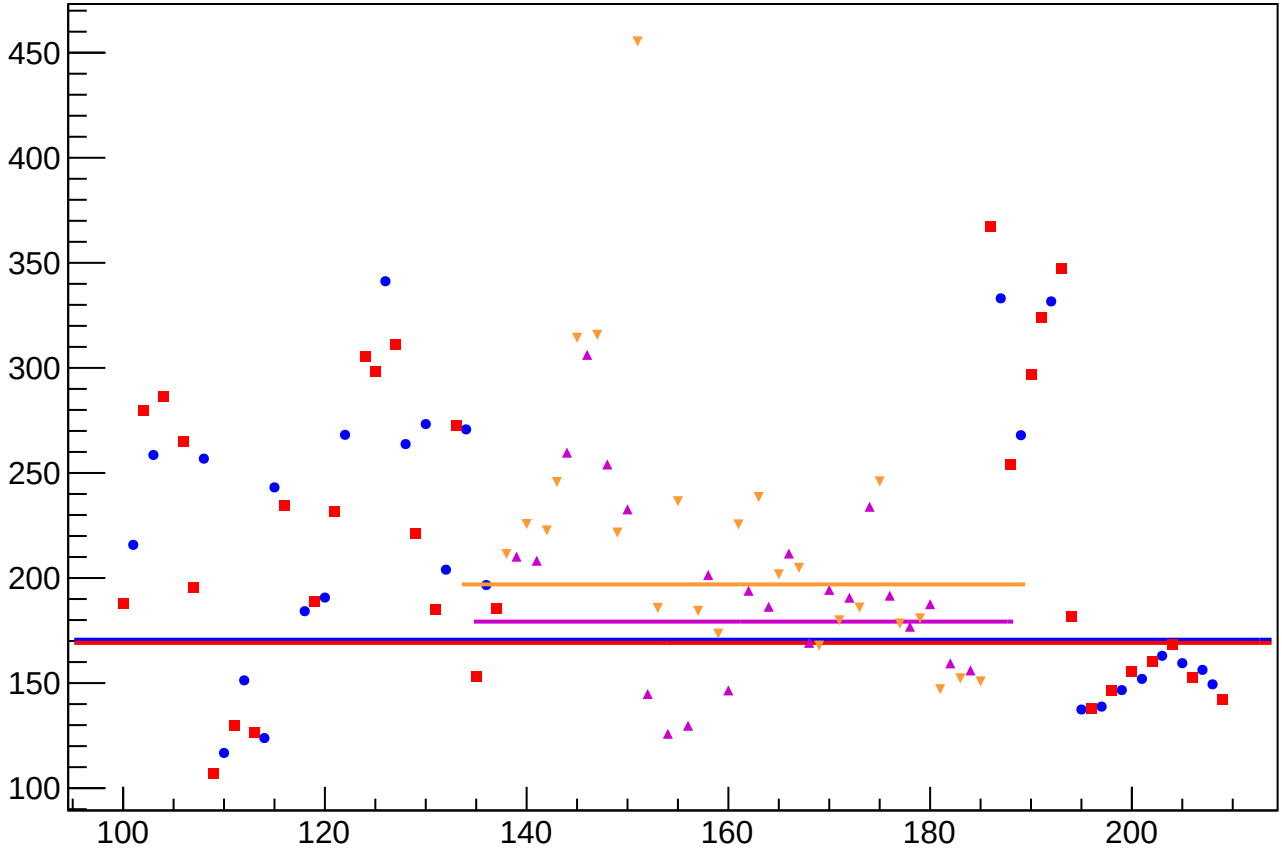
Right: -204.297+/-31.153 χ^2/NDF: 52.9/58

In: -36.157+/-31.339 χ^2/NDF:61.4/49

Out: -42.286+/-31.653 χ^2/NDF:66.2/56

All: -39.191+/-22.270 χ^2/NDF: 127.7/106

asym_bcm_an_us_rms vs Slug, Sign Corrected



Right In: 170.638+/-0.032 χ^2/NDF: 2238451.2/26

Left Out: 196.975+/-0.033 χ^2/NDF:1809307.4/24

Right Out: 169.132+/-0.031 χ^2/NDF: 2962597.7/31

Left In: 179.256+/-0.031 χ^2/NDF:1656023.5/22

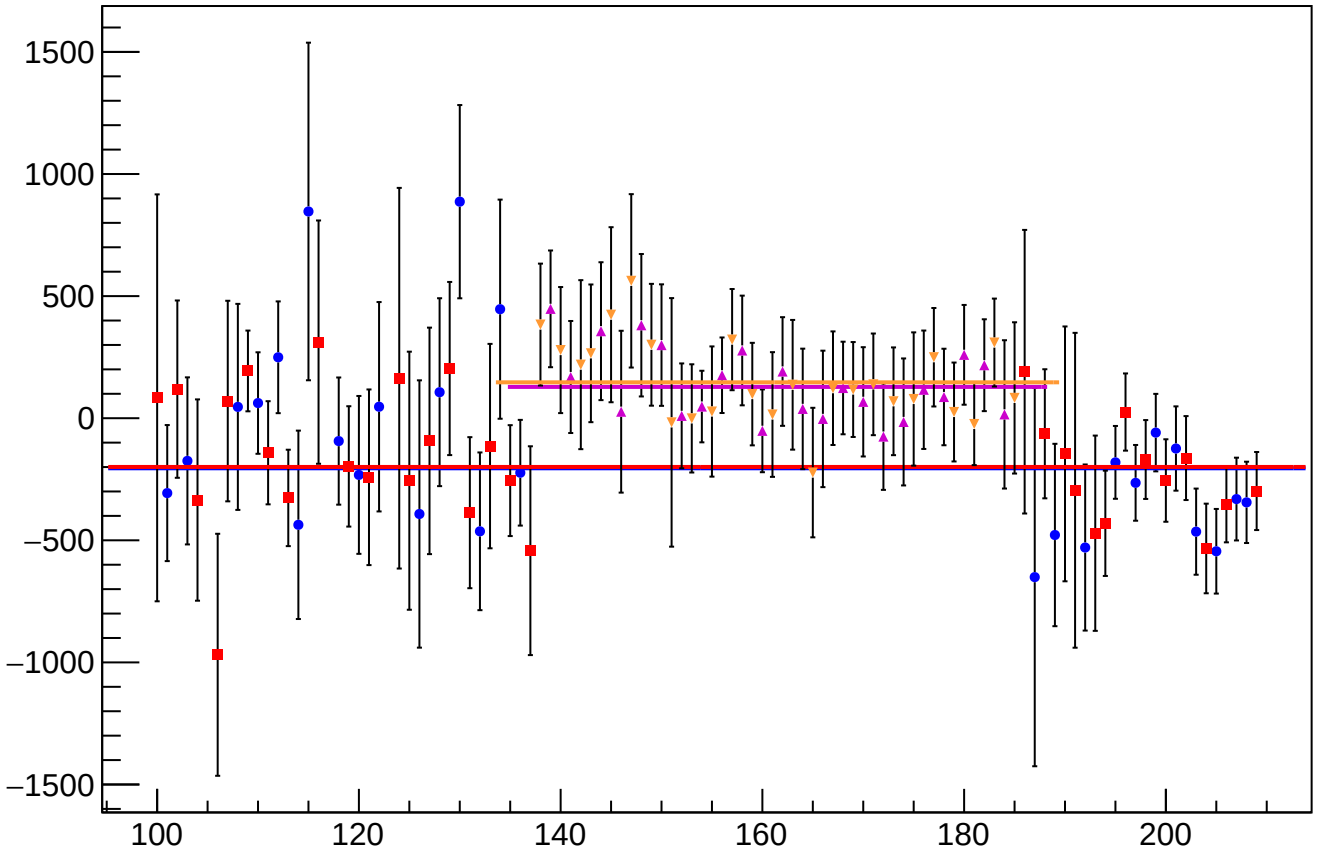
Left: 187.597+/-0.023 χ^2/NDF: 3619571.5/47

Right: 169.858+/-0.022 χ^2/NDF: 5202217.0/58

In: 175.054+/-0.022 χ^2/NDF:3932259.0/49

Out: 182.079+/-0.022 χ^2/NDF:5156895.1/56

All: 178.531+/-0.016 χ^2/NDF: 9138893.1/106



Right In: -205.059+/-45.936 χ^2/NDF: 30.7/26

Left Out: 146.973+/-47.709 χ^2/NDF:10.2/24

Right Out: -199.607+/-44.466 χ^2/NDF: 23.0/31

Left In: 128.159+/-45.200 χ^2/NDF:8.6/22

Left: 137.058+/-32.812 χ^2/NDF: 18.8/47

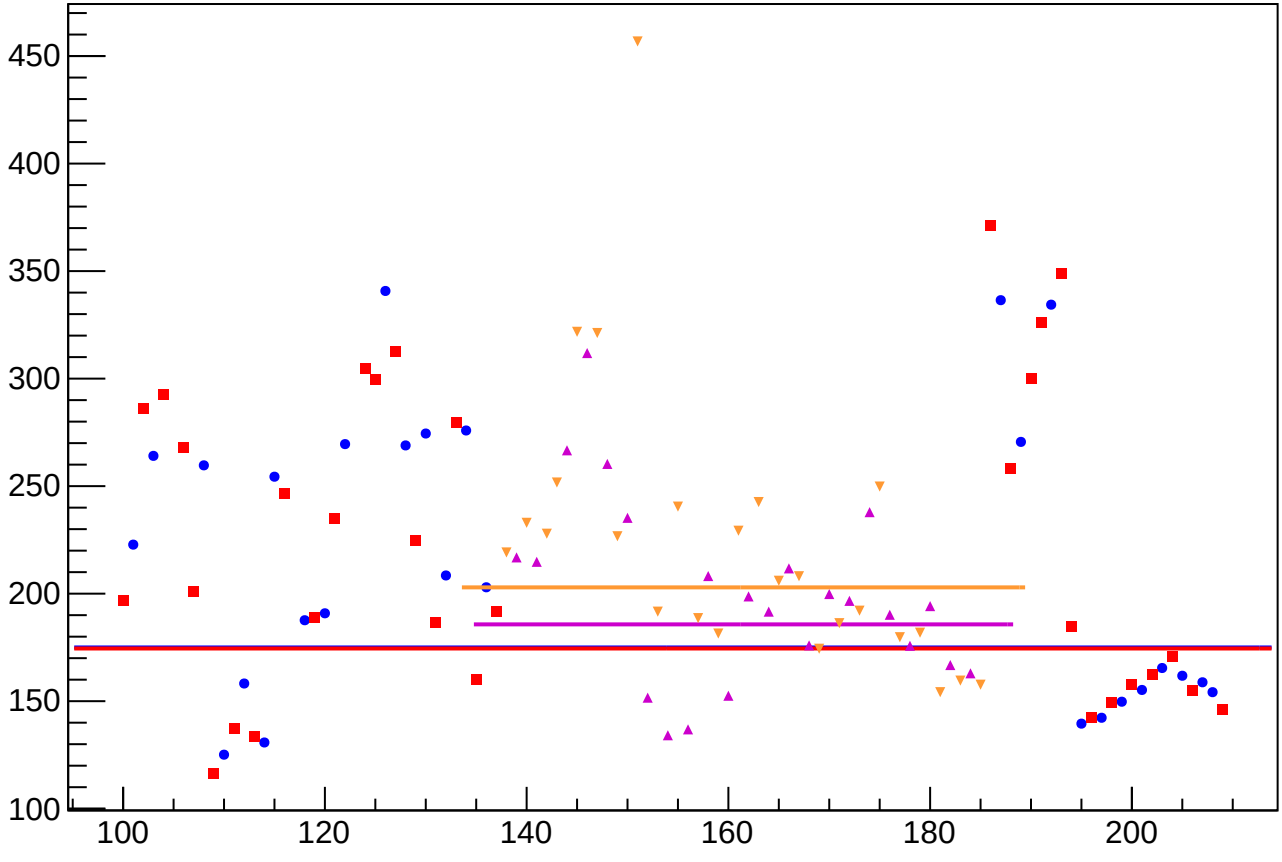
Right: -202.245+/-31.949 χ^2/NDF: 53.7/58

In: -35.758+/-32.218 χ^2/NDF:66.0/49

Out: -38.496+/-32.528 χ^2/NDF:61.4/56

All: -37.114+/-22.891 χ^2/NDF: 127.4/106

asym_bcm_dg_us_rms vs Slug, Sign Corrected



Right In: 174.982+/-0.032 χ^2/NDF: 2148656.0/26

Left Out: 202.920+/-0.034 χ^2/NDF:1700115.2/24

Right Out: 174.498+/-0.031 χ^2/NDF: 2756455.4/31

Left In: 185.716+/-0.032 χ^2/NDF:1489487.2/22

Left: 193.854+/-0.023 χ^2/NDF: 3326661.1/47

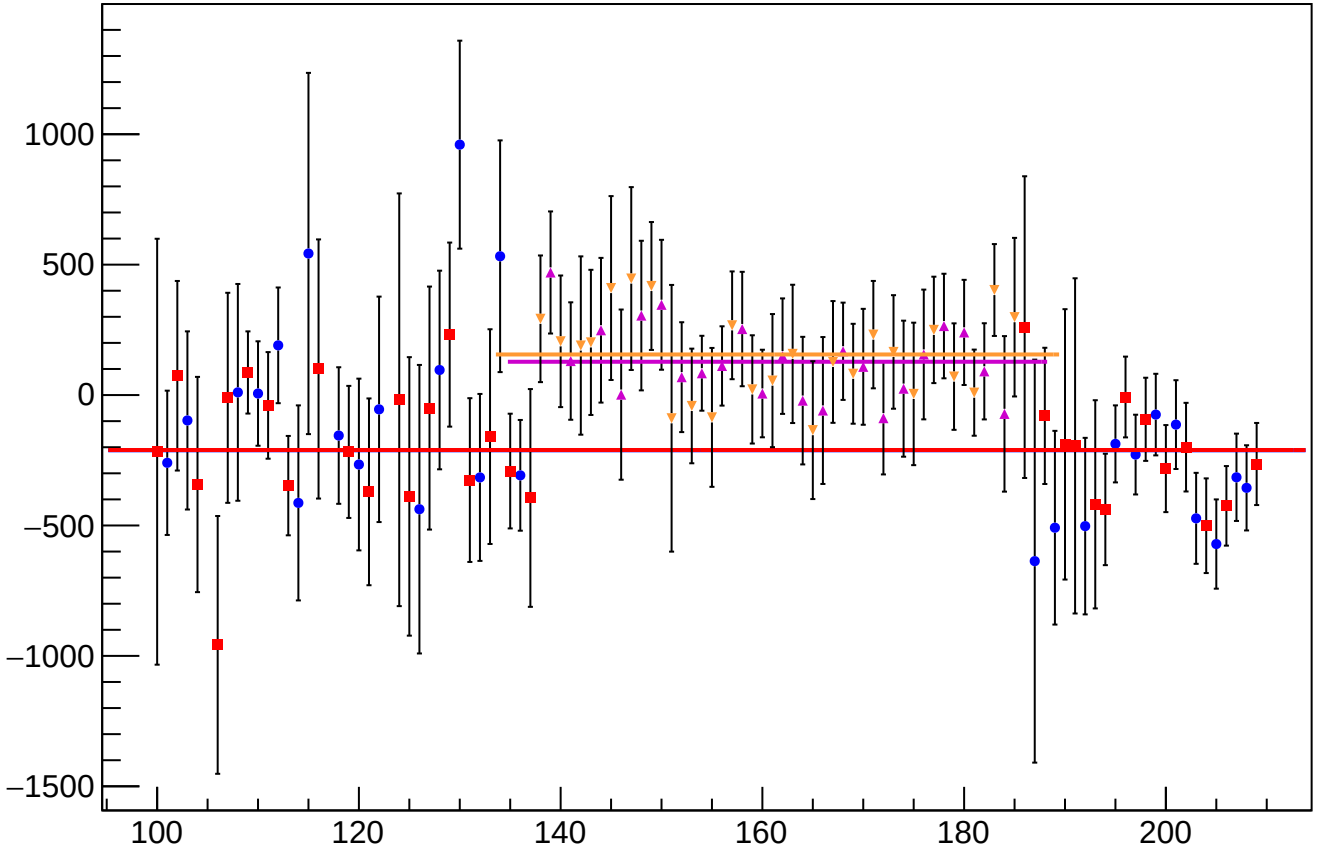
Right: 174.732+/-0.023 χ^2/NDF: 4905225.9/58

In: 180.436+/-0.023 χ^2/NDF:3693626.6/49

Out: 187.710+/-0.023 χ^2/NDF:4836422.7/56

All: 184.038+/-0.016 χ^2/NDF: 8580545.1/106

asym_bcm_dg_ds_mean vs Slug, Sign Corrected



Right In: -211.764+/-45.337 χ^2/NDF: 29.8/26

Left Out: 155.646+/-47.263 χ^2/NDF:10.7/24

Right Out: -210.612+/-43.771 χ^2/NDF: 20.4/31

Left In: 127.660+/-44.698 χ^2/NDF:8.0/22

Left: 140.872+/-32.475 χ^2/NDF: 18.8/47

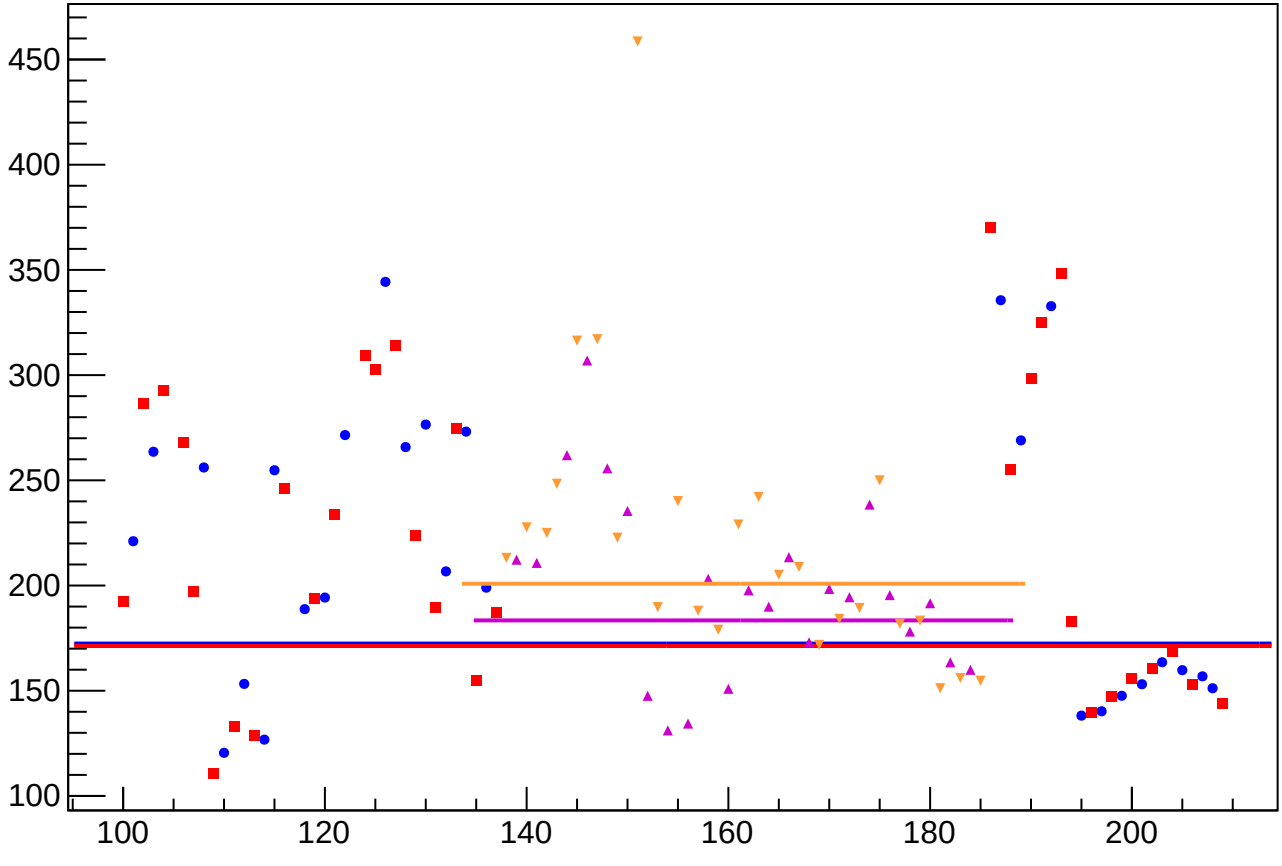
Right: -211.168+/-31.490 χ^2/NDF: 50.2/58

In: -39.643+/-31.830 χ^2/NDF:66.2/49

Out: -41.514+/-32.114 χ^2/NDF:63.4/56

All: -40.570+/-22.607 χ^2/NDF: 129.6/106

asym_bcm_dg_ds_rms vs Slug, Sign Corrected



Right In: 172.415+/-0.032 χ^2/NDF: 2234803.2/26

Left Out: 200.865+/-0.033 χ^2/NDF:1727404.3/24

Right Out: 171.250+/-0.031 χ^2/NDF: 2925379.3/31

Left In: 183.433+/-0.032 χ^2/NDF:1530678.8/22

Left: 191.663+/-0.023 χ^2/NDF: 3401689.7/47

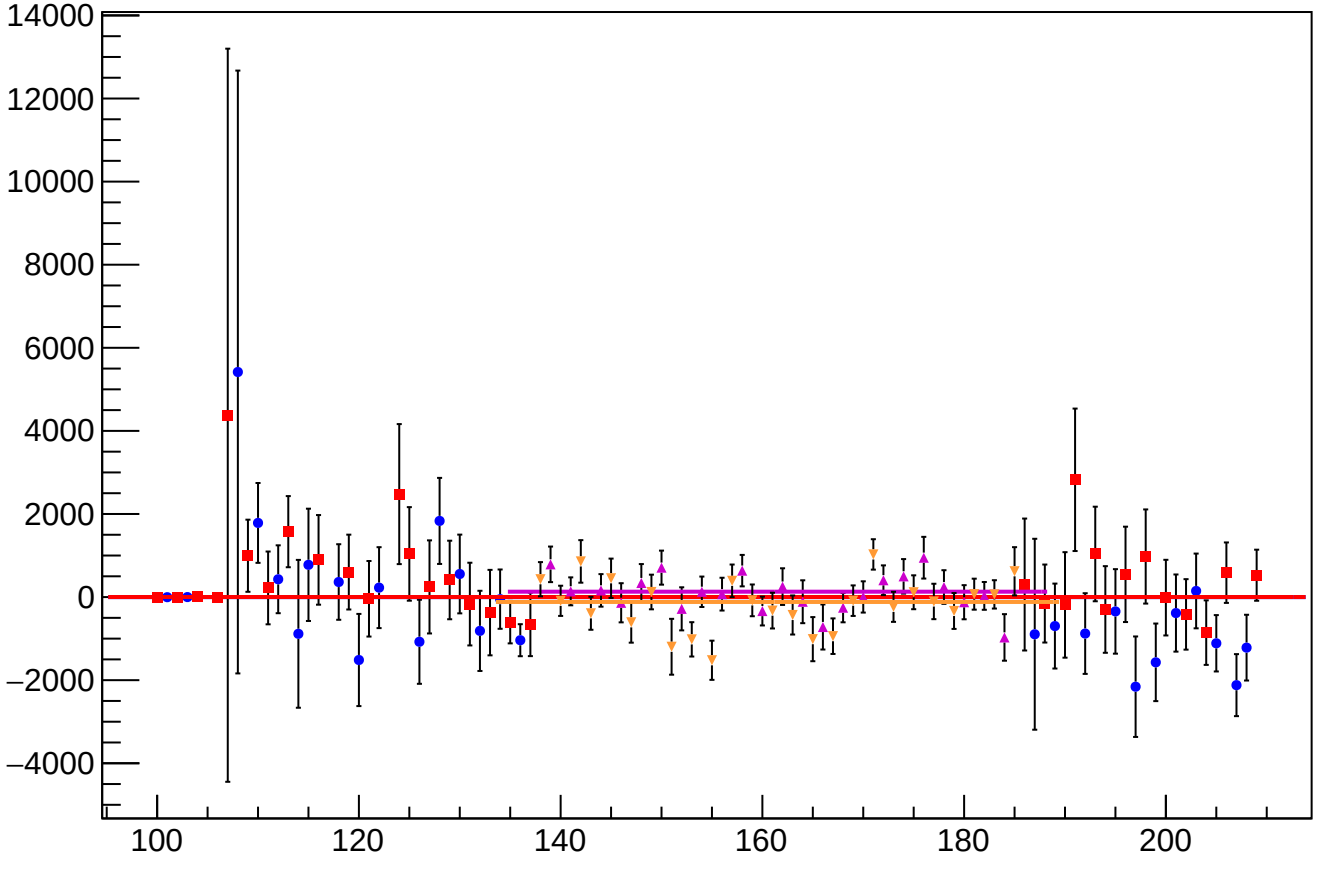
Right: 171.812+/-0.022 χ^2/NDF: 5160866.0/58

In: 178.002+/-0.023 χ^2/NDF:3825385.1/49

Out: 184.923+/-0.023 χ^2/NDF:5075478.5/56

All: 181.432+/-0.016 χ^2/NDF: 8947715.2/106

asym_cav4bQ_mean vs Slug, Sign Corrected



Right In: -1.304+/-2.171 χ^2/NDF: 40.8/26

Left Out: -117.658+/-84.207 χ^2/NDF:46.4/24

Right Out: 1.389+/-2.022 χ^2/NDF: 24.4/31

Left In: 129.738+/-85.075 χ^2/NDF:21.7/22

Left: 4.773+/-59.848 χ^2/NDF: 72.3/47

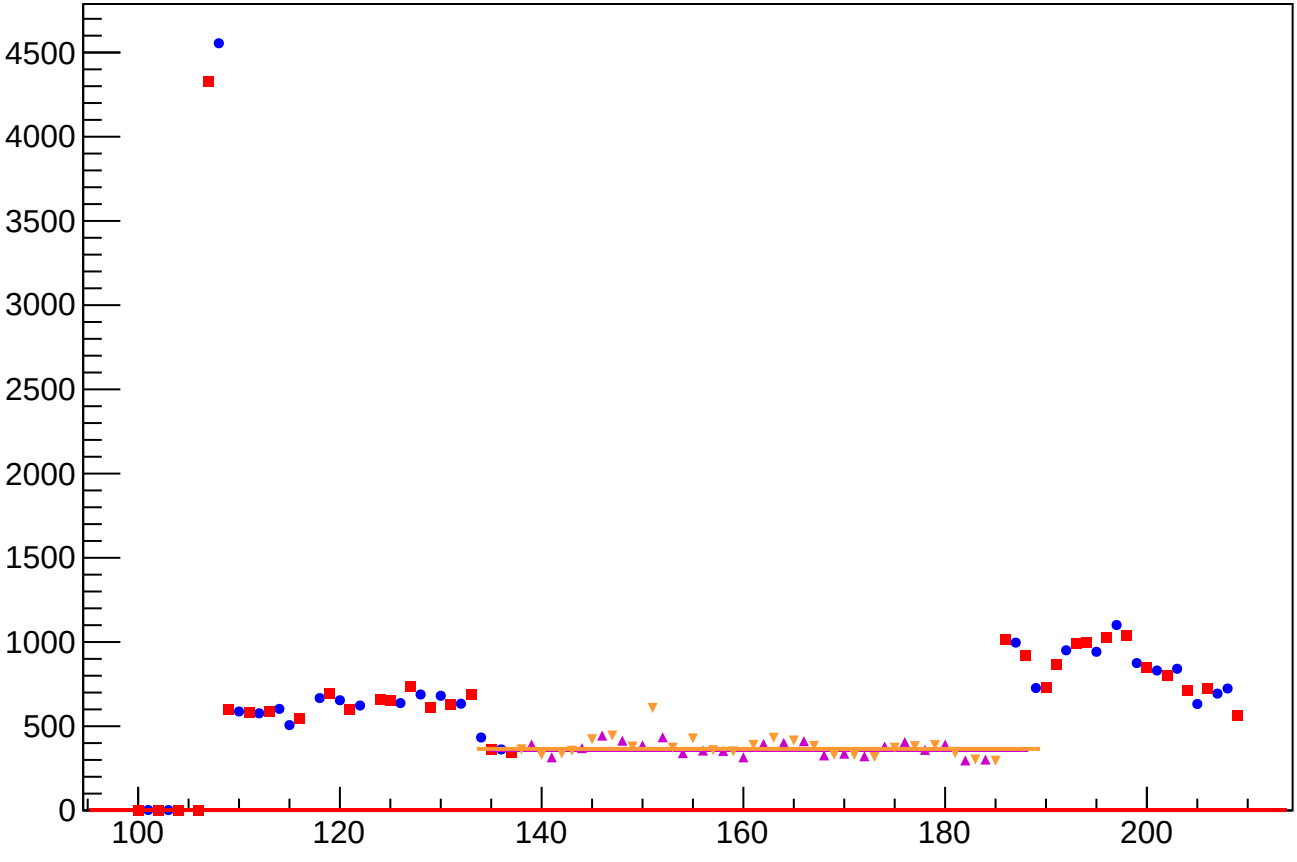
Right: 0.138+/-1.480 χ^2/NDF: 65.9/58

In: -1.219+/-2.170 χ^2/NDF:64.8/49

Out: 1.321+/-2.022 χ^2/NDF:72.7/56

All: 0.141+/-1.479 χ^2/NDF: 138.3/106

asym_cav4bQ_rms vs Slug, Sign Corrected



Right In: 2.525+/-0.002 χ^2/NDF: 28446416.1/26

Left Out: 365.603+/-0.060 χ^2/NDF:668124.0/24

Right Out: 2.510+/-0.001 χ^2/NDF: 30811876.8/31

Left In: 359.024+/-0.060 χ^2/NDF:446263.1/22

Left: 362.347+/-0.042 χ^2/NDF: 1120429.0/47

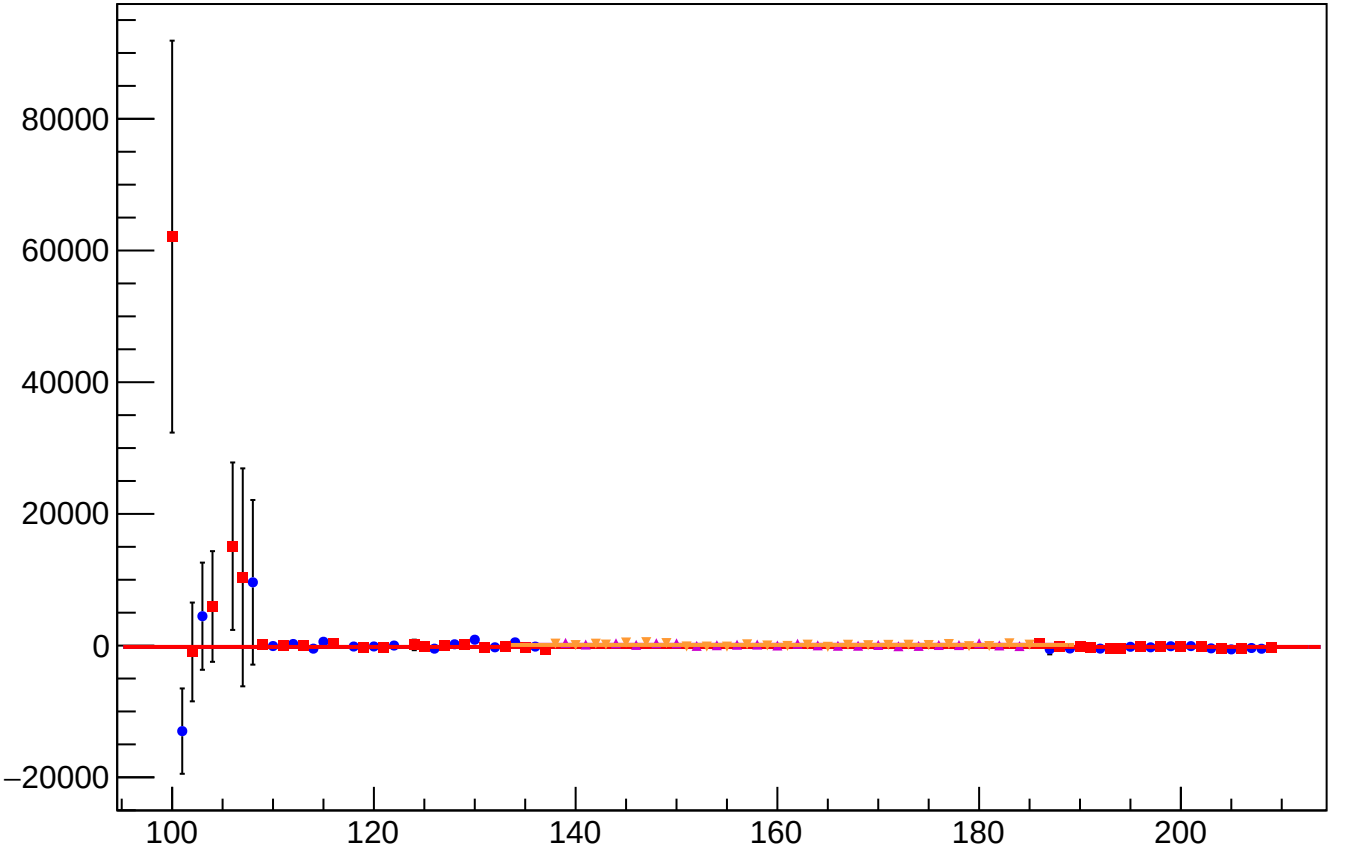
Right: 2.517+/-0.001 χ^2/NDF: 59258348.6/58

In: 2.757+/-0.002 χ^2/NDF:63989084.5/49

Out: 2.719+/-0.001 χ^2/NDF:68643336.2/56

All: 2.737+/-0.001 χ^2/NDF: 132632754.3/106

asym_cav4cQ_mean vs Slug, Sign Corrected



Right In: -210.088+/-49.538 χ^2/NDF: 33.2/26

Left Out: 99.601+/-48.250 χ^2/NDF:12.7/24

Right Out: -200.424+/-48.381 χ^2/NDF: 25.2/31

Left In: 119.345+/-46.957 χ^2/NDF:9.3/22

Left: 109.741+/-33.651 χ^2/NDF: 22.1/47

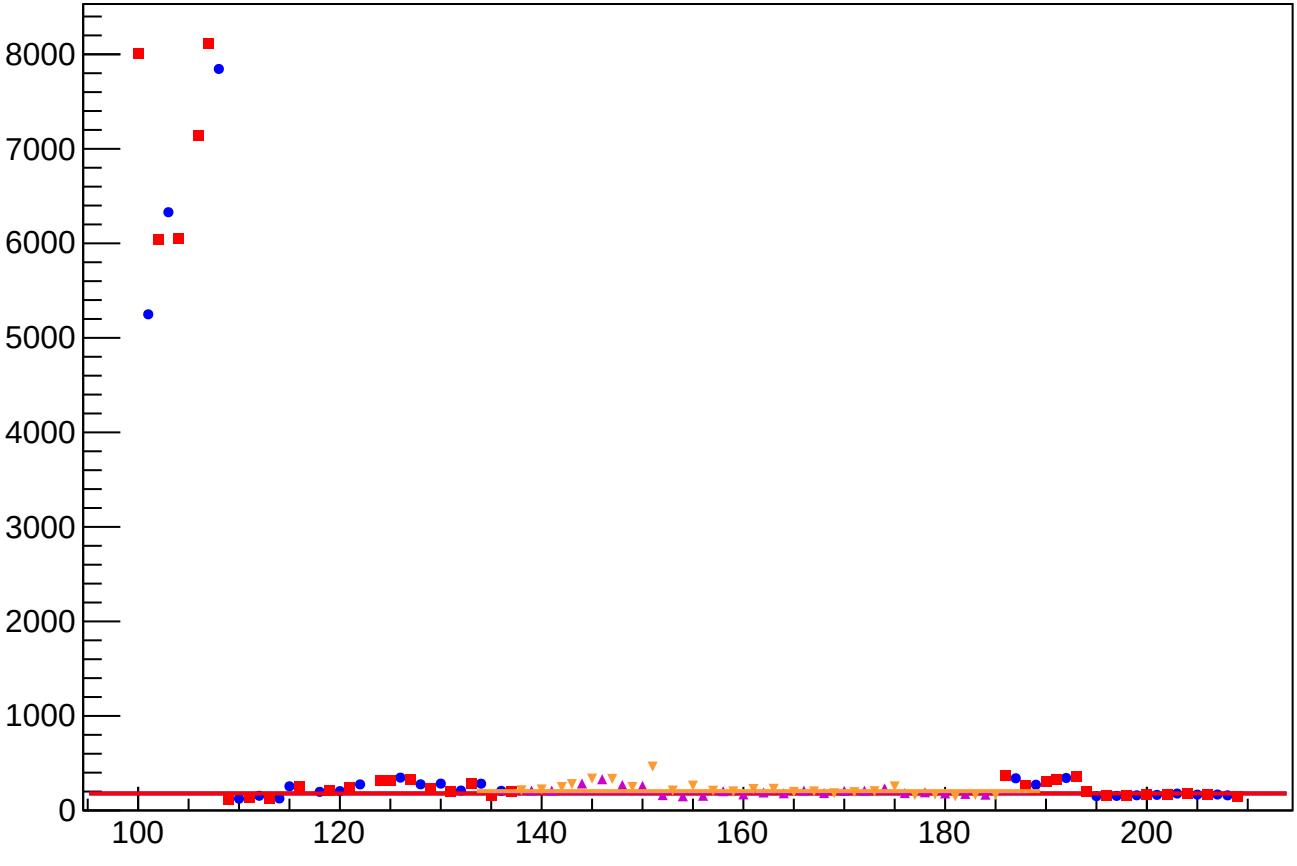
Right: -205.142+/-34.612 χ^2/NDF: 58.4/58

In: -36.567+/-34.079 χ^2/NDF:65.7/49

Out: -50.005+/-34.164 χ^2/NDF:57.2/56

All: -43.270+/-24.128 χ^2/NDF: 123.0/106

asym_cav4cQ_rms vs Slug, Sign Corrected



Right In: 179.882+/-0.035 χ^2/NDF: 4876133.8/26

Left Out: 204.581+/-0.034 χ^2/NDF:1975114.7/24

Right Out: 180.018+/-0.034 χ^2/NDF: 5594024.6/31

Left In: 193.895+/-0.033 χ^2/NDF:1191589.3/22

Left: 199.093+/-0.024 χ^2/NDF: 3217084.5/47

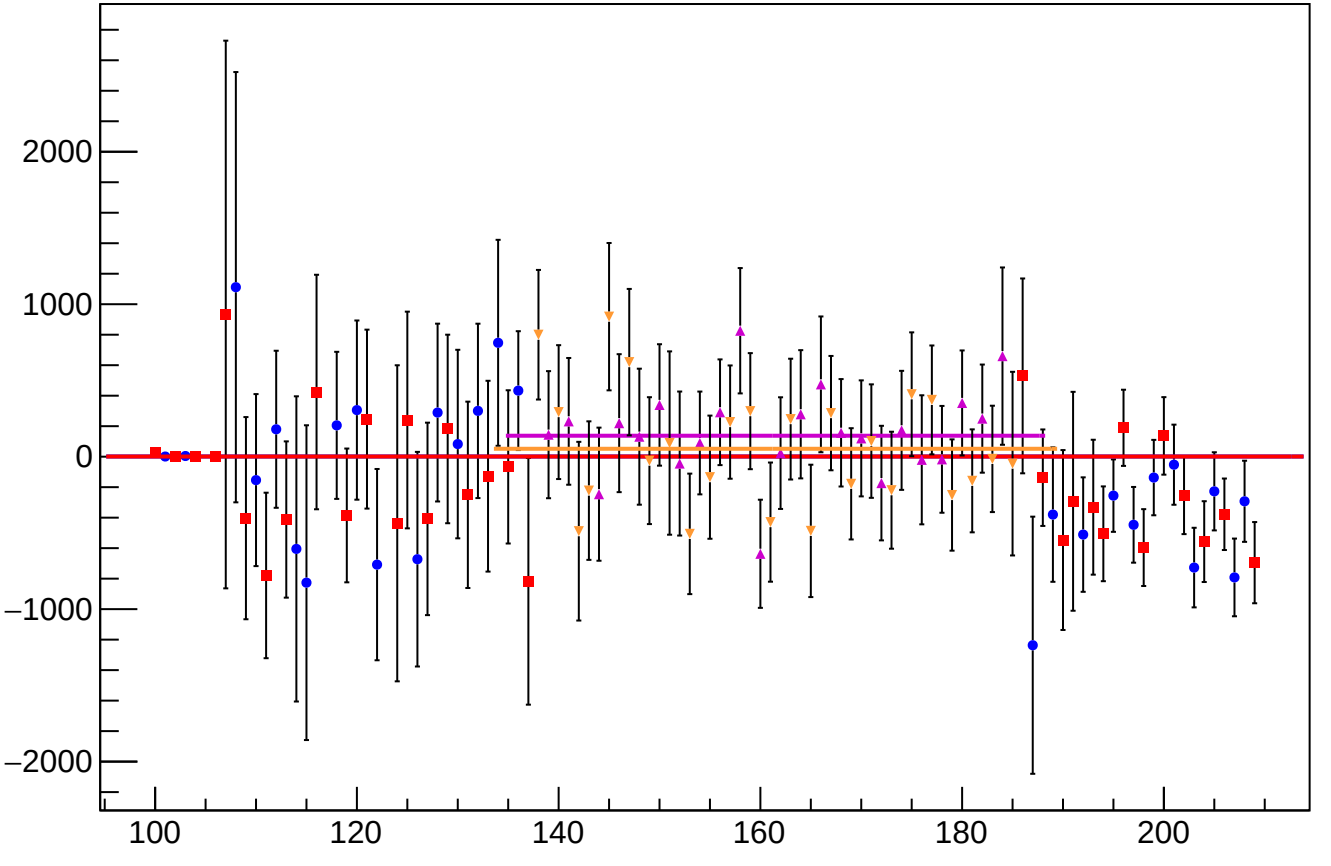
Right: 179.952+/-0.024 χ^2/NDF: 10470166.0/58

In: 187.263+/-0.024 χ^2/NDF:6152015.5/49

Out: 192.333+/-0.024 χ^2/NDF:7827608.4/56

All: 189.792+/-0.017 χ^2/NDF: 14001694.9/10

asym_cav4dQ_mean vs Slug, Sign Corrected



Right In: 1.310+/-1.660 χ^2/NDF: 36.9/26

Left Out: 51.829+/-81.555 χ^2/NDF:19.4/24

Right Out: 0.995+/-1.528 χ^2/NDF: 35.6/31

Left In: 137.399+/-82.111 χ^2/NDF:12.2/22

Left: 94.324+/-57.864 χ^2/NDF: 32.2/47

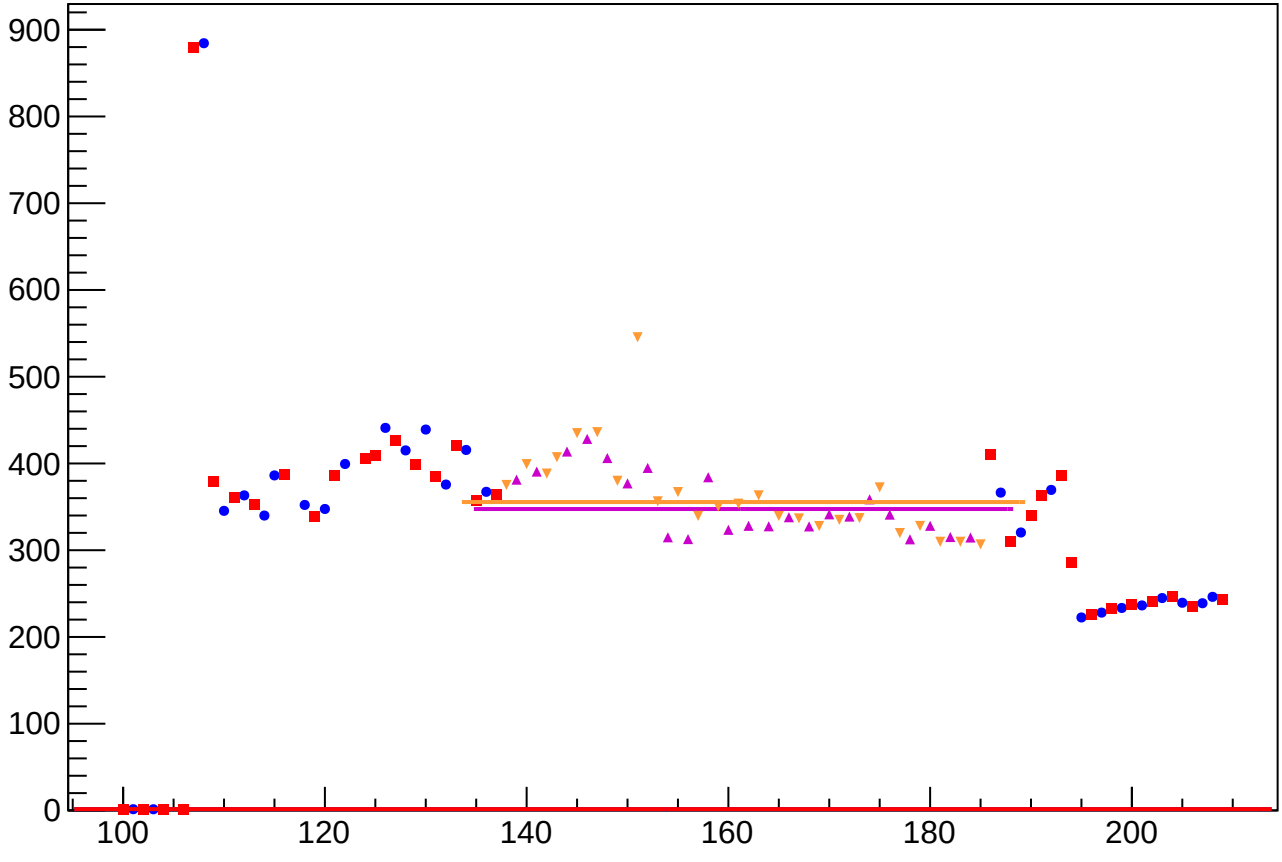
Right: 1.140+/-1.124 χ^2/NDF: 72.6/58

In: 1.366+/-1.660 χ^2/NDF:51.8/49

Out: 1.013+/-1.527 χ^2/NDF:55.5/56

All: 1.175+/-1.124 χ^2/NDF: 107.3/106

asym_cav4dQ_rms vs Slug, Sign Corrected



Right In: 1.563+/-0.001 χ^2/NDF: 28718928.8/26

Left Out: 355.535+/-0.058 χ^2/NDF:528878.5/24

Right Out: 1.552+/-0.001 χ^2/NDF: 30494078.5/31

Left In: 347.484+/-0.058 χ^2/NDF:344530.3/22

Left: 351.537+/-0.041 χ^2/NDF: 883088.0/47

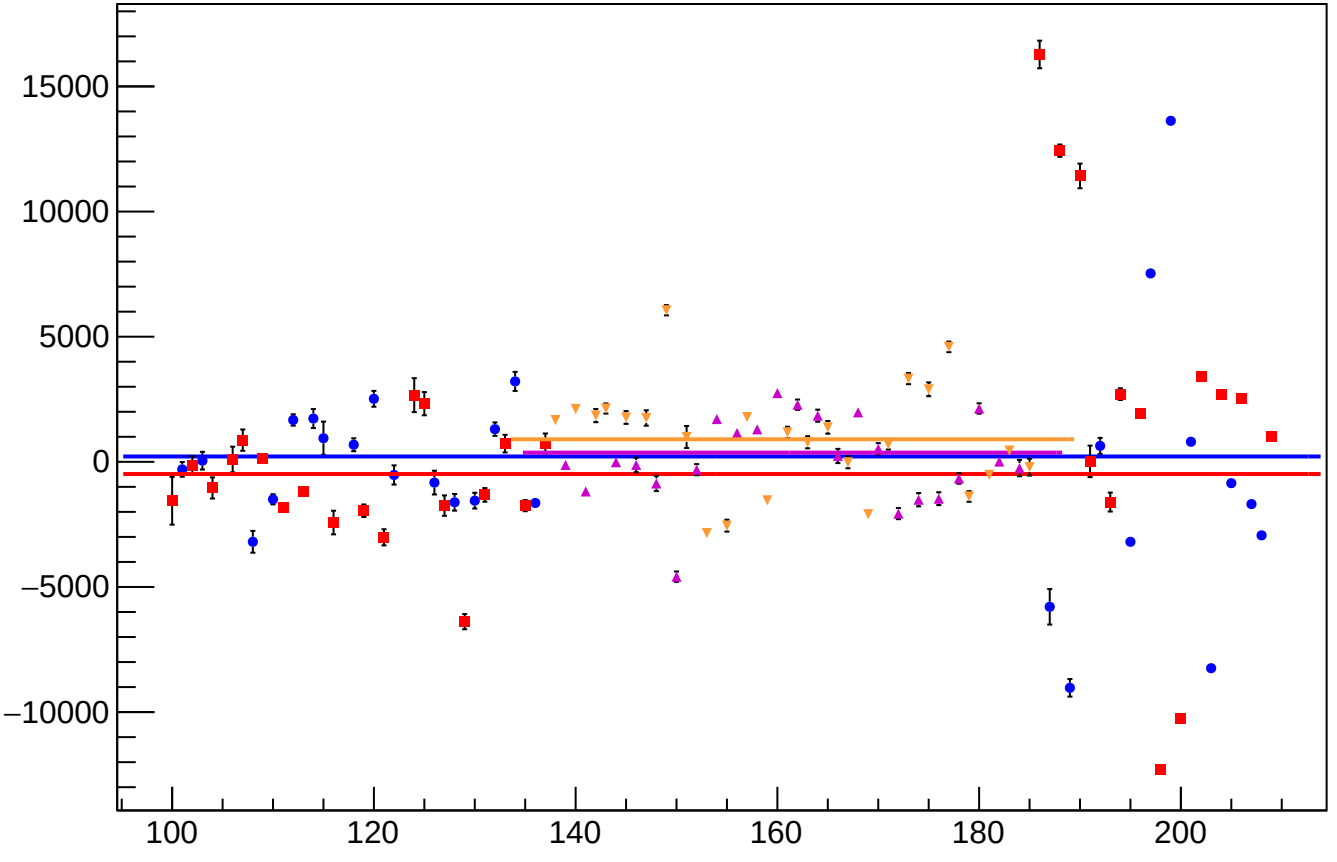
Right: 1.557+/-0.001 χ^2/NDF: 59213057.9/58

In: 1.705+/-0.001 χ^2/NDF:64545065.3/49

Out: 1.676+/-0.001 χ^2/NDF:68688294.3/56

All: 1.689+/-0.001 χ^2/NDF: 133233679.6/106

asym_bcm0l02_mean vs Slug, Sign Corrected



Right In: 213.813+/-47.218 χ^2/NDF: 11834.2/26

Left Out: 901.476+/-44.481 χ^2/NDF:2411.0/24

Right Out: -487.693+/-45.405 χ^2/NDF: 13812.2/31

Left In: 368.252+/-42.700 χ^2/NDF:1593.0/22

Left: 623.972+/-30.804 χ^2/NDF: 4078.7/47

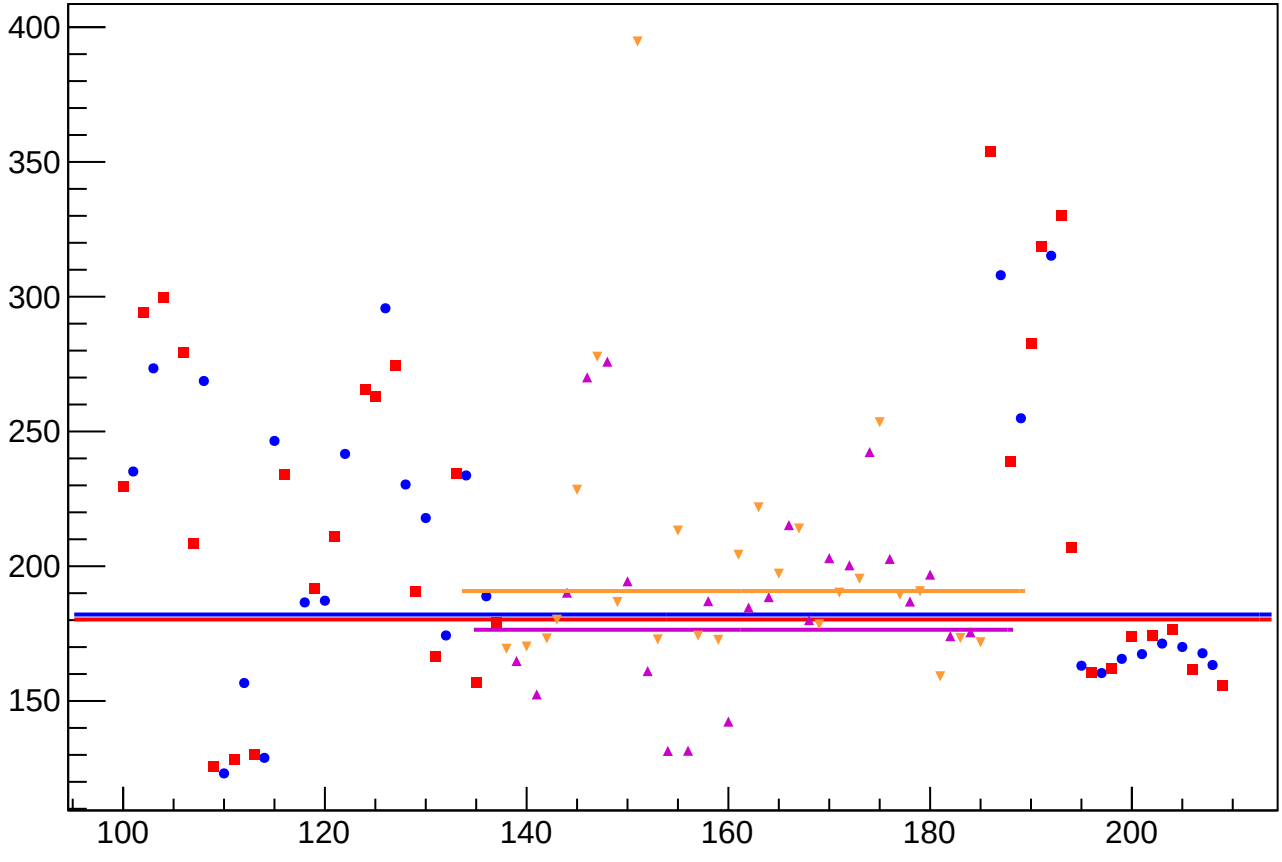
Right: -150.670+/-32.728 χ^2/NDF: 25761.1/58

In: 298.775+/-31.671 χ^2/NDF:13433.1/49

Out: 221.166+/-31.774 χ^2/NDF:16700.8/56

All: 260.098+/-22.431 χ^2/NDF: 30136.9/106

asym_bcm0l02_rms vs Slug, Sign Corrected



Right In: 182.084+/-0.033 χ^2/NDF: 1429059.6/26

Left Out: 190.801+/-0.031 χ^2/NDF:1019598.1/24

Right Out: 180.248+/-0.032 χ^2/NDF: 2185509.4/31

Left In: 176.431+/-0.030 χ^2/NDF:1257661.0/22

Left: 183.323+/-0.022 χ^2/NDF: 2385884.9/47

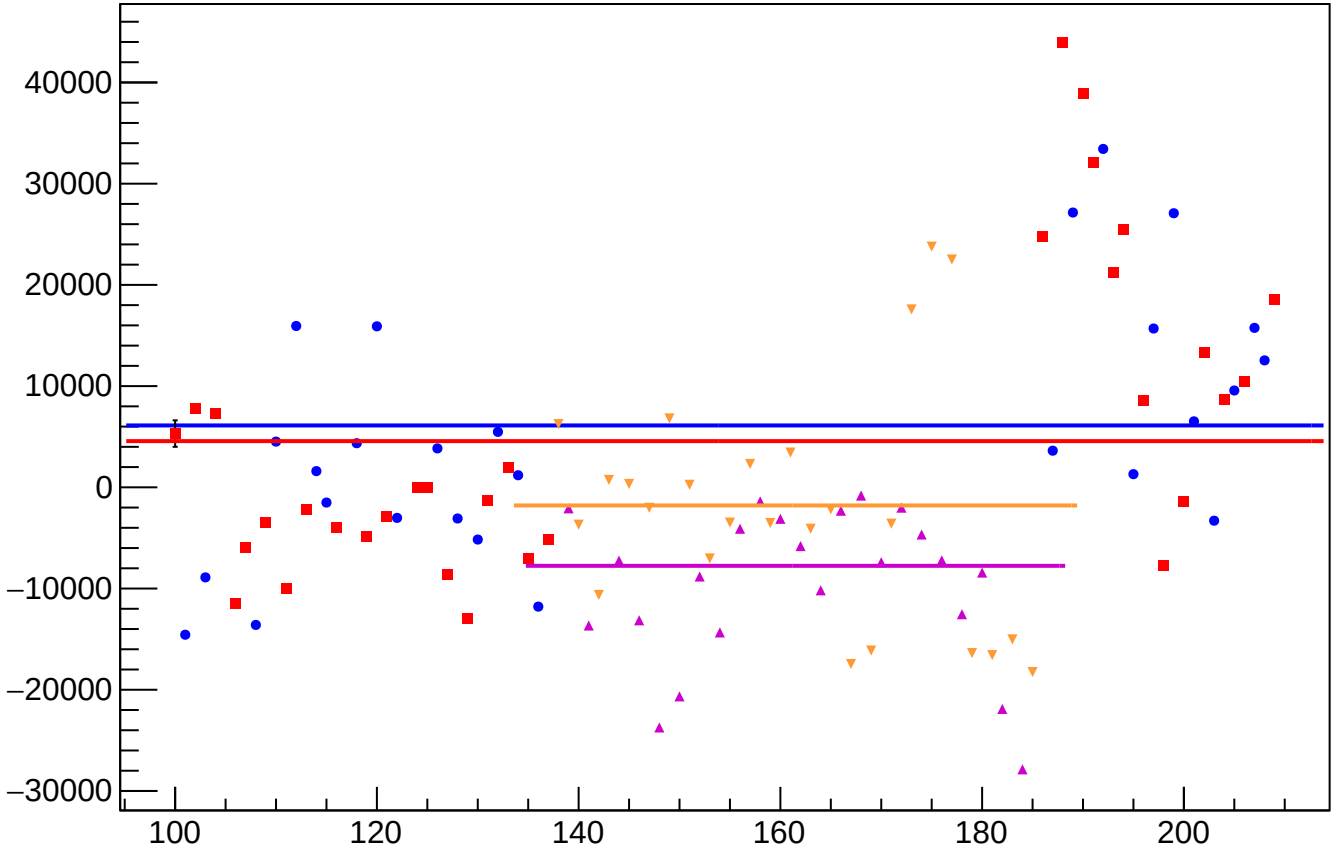
Right: 181.130+/-0.023 χ^2/NDF: 3616139.6/58

In: 178.974+/-0.022 χ^2/NDF:2702487.7/49

Out: 185.633+/-0.022 χ^2/NDF:3260236.1/56

All: 182.293+/-0.016 χ^2/NDF: 6006784.4/106

asym_bpm0i02WS_mean vs Slug, Sign Corrected



Right In: 6114.570+/-40.982 χ^2/NDF: 93550.3/26

Left Out: -1790.289+/-40.910 χ^2/NDF:65745.9/24

Right Out: 4565.228+/-38.877 χ^2/NDF: 142258.0/31

Left In: -7754.468+/-42.571 χ^2/NDF:23278.0/22

Left: -4653.749+/-29.498 χ^2/NDF: 99228.2/47

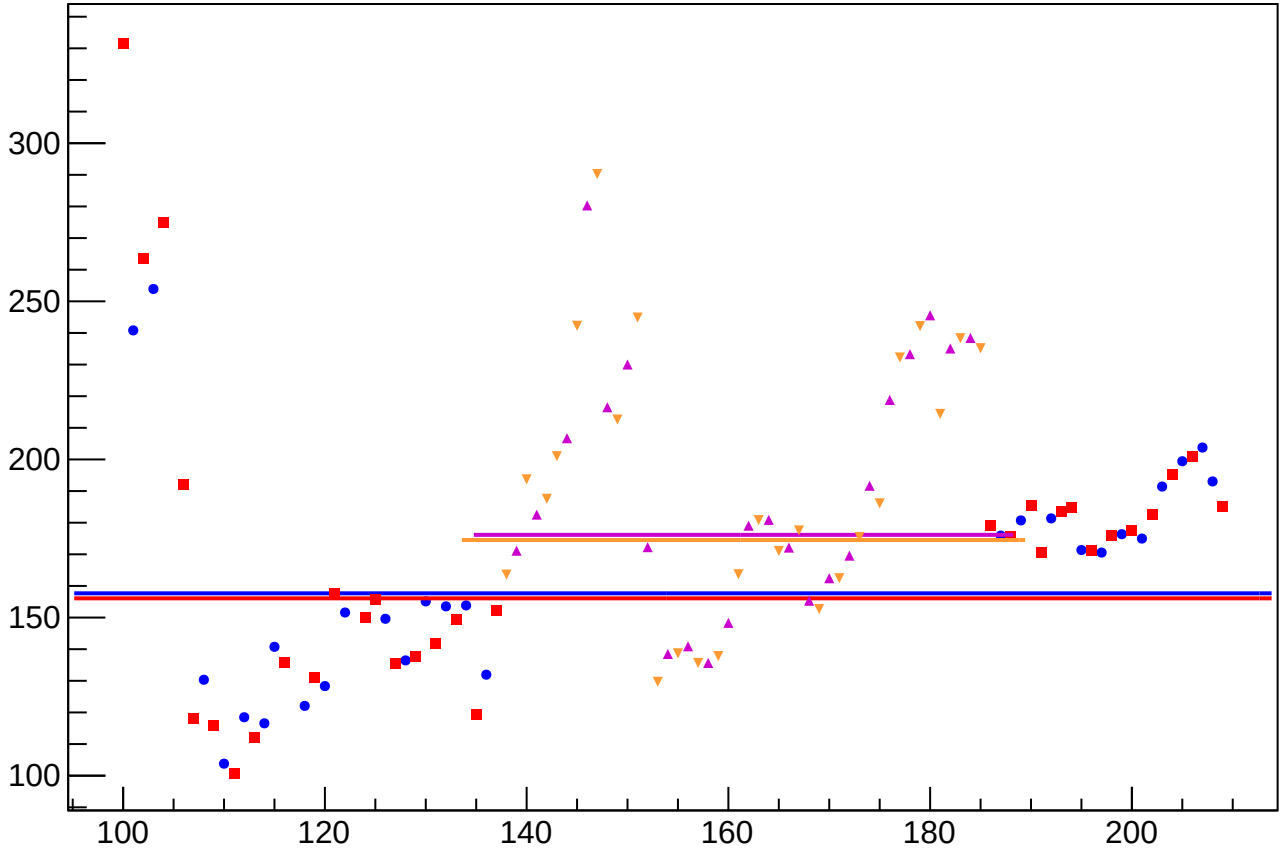
Right: 5299.082+/-28.205 χ^2/NDF: 236560.5/58

In: -556.329+/-29.525 χ^2/NDF:171913.7/49

Out: 1549.302+/-28.182 χ^2/NDF:220685.8/56

All: 545.468+/-20.386 χ^2/NDF: 395260.9/106

asym_bpm0i02WS_rms vs Slug, Sign Corrected



Right In: 157.667+/-0.029 χ^2/NDF: 1290978.0/26

Left Out: 174.520+/-0.029 χ^2/NDF:1659469.6/24

Right Out: 156.079+/-0.027 χ^2/NDF: 1653607.6/31

Left In: 176.155+/-0.030 χ^2/NDF:1367059.2/22

Left: 175.305+/-0.021 χ^2/NDF: 3028060.8/47

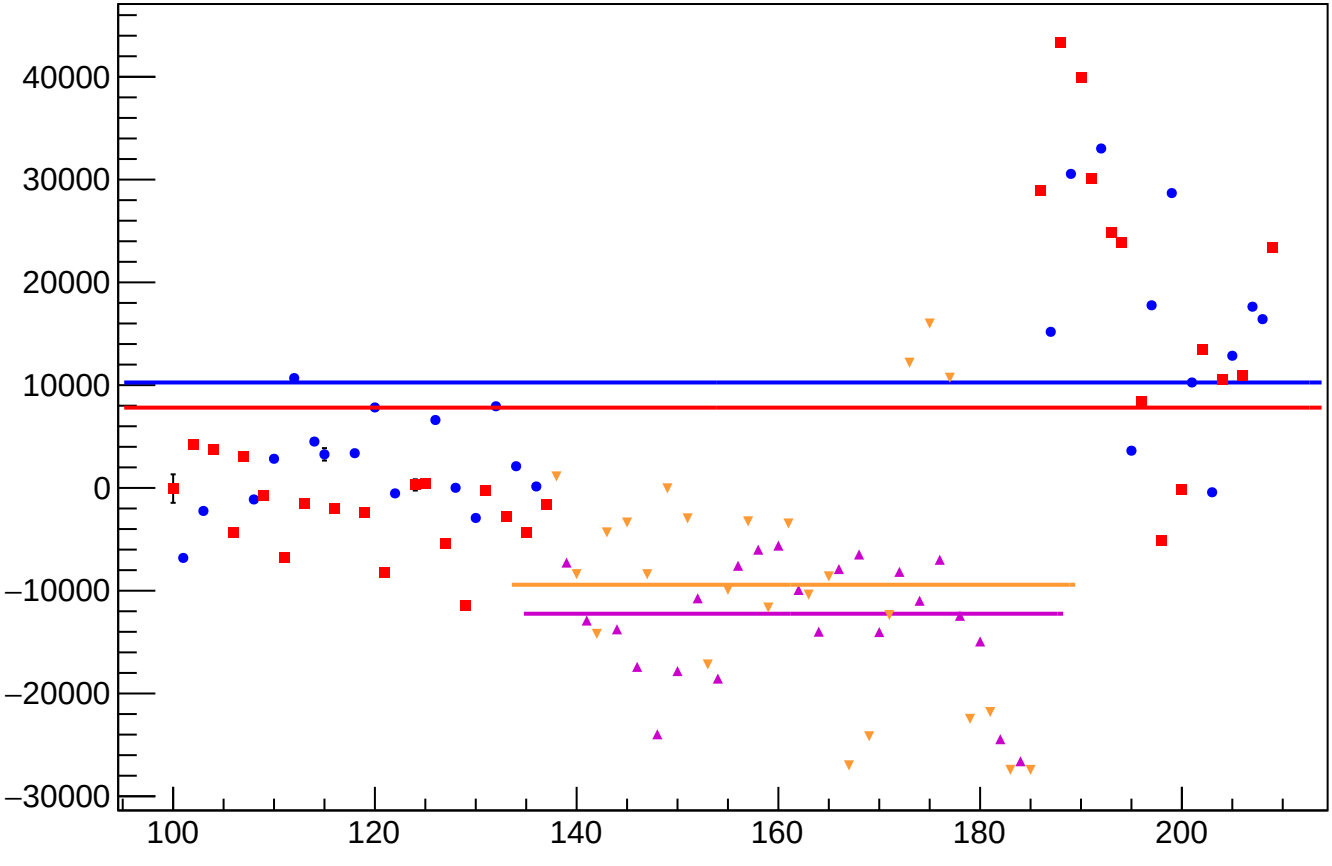
Right: 156.831+/-0.020 χ^2/NDF: 2946167.4/58

In: 166.559+/-0.021 χ^2/NDF:2853795.6/49

Out: 164.830+/-0.020 χ^2/NDF:3526638.6/56

All: 165.654+/-0.014 χ^2/NDF: 6384025.4/106

asym_bpm0i02aWS_mean vs Slug, Sign Corrected



Right In: 10259.986+/-45.655 χ^2/NDF: 53859.4/26

Left Out: -9420.181+/-45.698 χ^2/NDF:64719.0/24

Right Out: 7813.090+/-43.140 χ^2/NDF: 113024.2/31

Left In: -12238.678+/-44.195 χ^2/NDF:16015.8/22

Left: -10876.538+/-31.769 χ^2/NDF: 82700.4/47

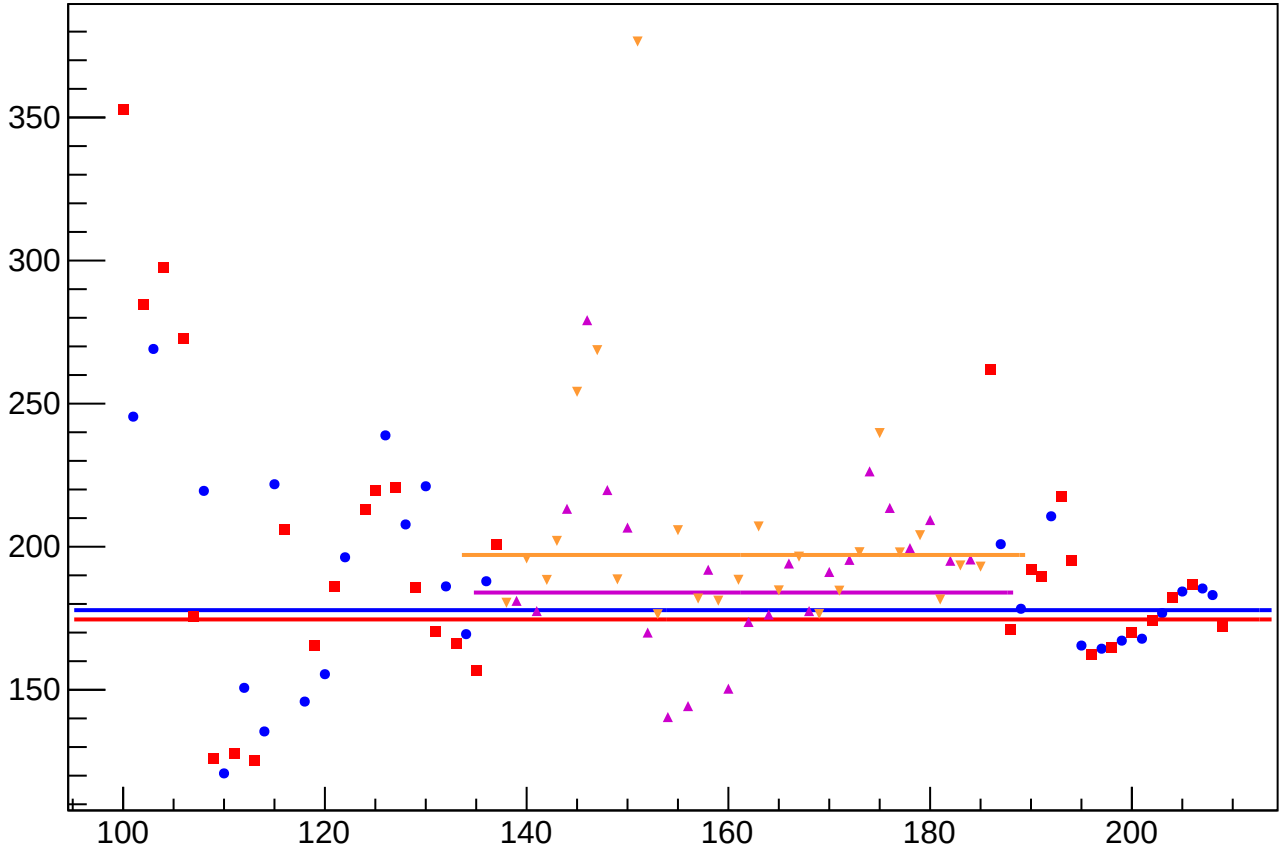
Right: 8967.293+/-31.356 χ^2/NDF: 168401.1/58

In: -1354.844+/-31.754 χ^2/NDF:195244.6/49

Out: -307.804+/-31.370 χ^2/NDF:252941.3/56

All: -824.951+/-22.317 χ^2/NDF: 448736.2/10

asym_bpm0i02aWS_rms vs Slug, Sign Corrected



Right In: 177.837+/-0.032 χ^2/NDF: 767214.0/26

Left Out: 197.122+/-0.032 χ^2/NDF:732529.8/24

Right Out: 174.588+/-0.031 χ^2/NDF: 1206504.4/31

Left In: 183.985+/-0.031 χ^2/NDF:829778.1/22

Left: 190.334+/-0.022 χ^2/NDF: 1647711.2/47

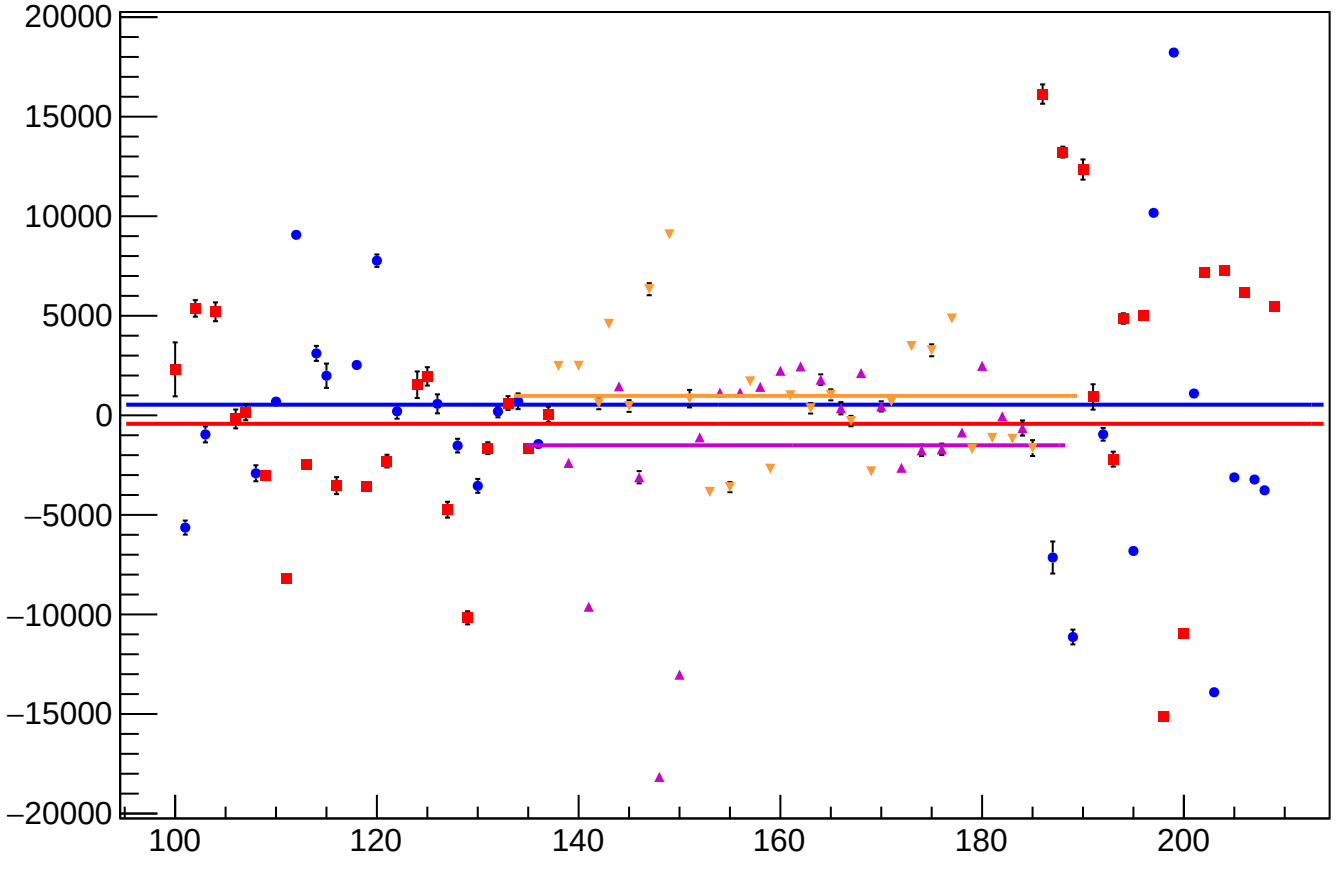
Right: 176.121+/-0.022 χ^2/NDF: 1979069.6/58

In: 181.011+/-0.022 χ^2/NDF:1615715.6/49

Out: 185.207+/-0.022 χ^2/NDF:2196180.0/56

All: 183.135+/-0.016 χ^2/NDF: 3829567.7/106

asym_bpm0i05WS_mean vs Slug, Sign Corrected



Right In: 534.773+/-51.402 χ^2/NDF: 21456.6/26

Left Out: 978.429+/-49.607 χ^2/NDF:4322.9/24

Right Out: -425.642+/-48.657 χ^2/NDF: 21807.6/31

Left In: -1505.093+/-48.051 χ^2/NDF:11480.6/22

Left: -302.894+/-34.514 χ^2/NDF: 17096.7/47

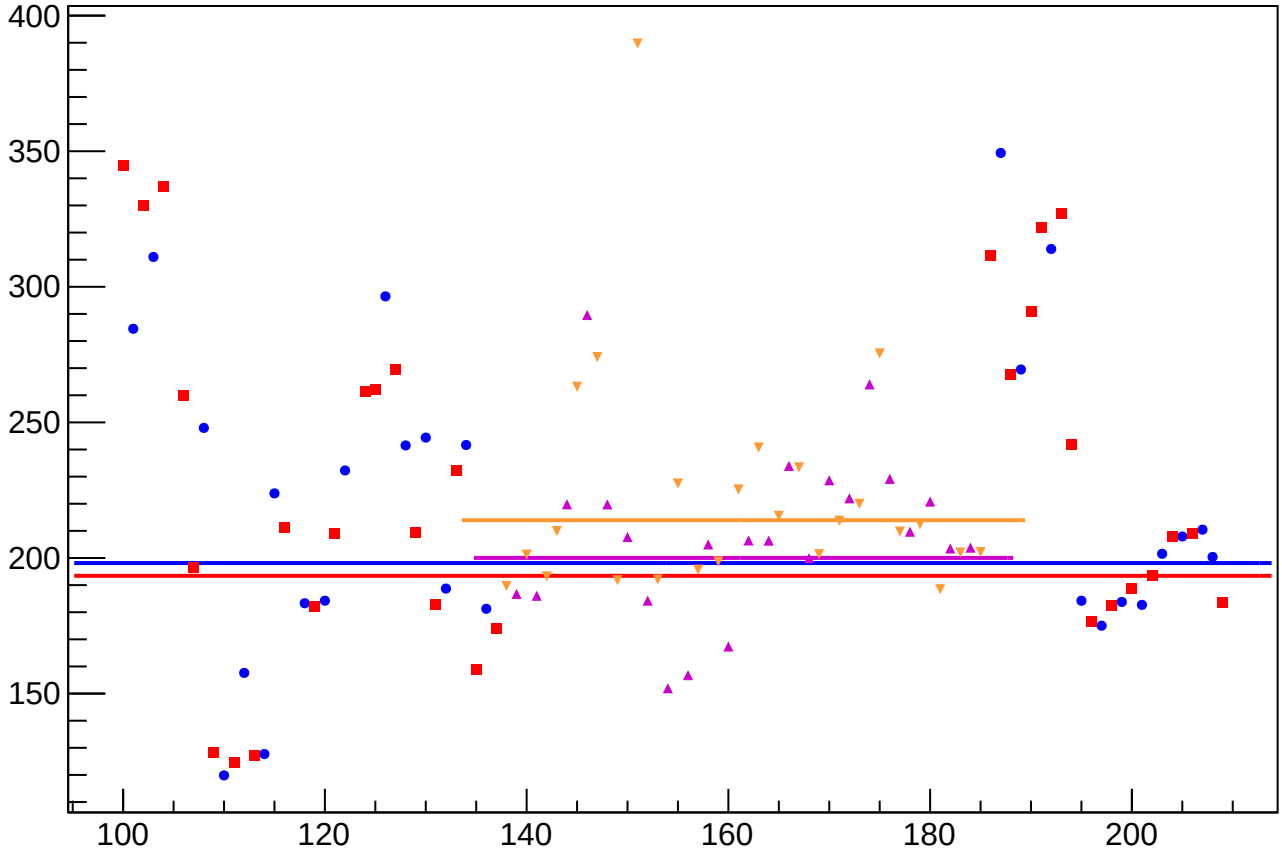
Right: 28.234+/-35.336 χ^2/NDF: 43448.2/58

In: -553.819+/-35.102 χ^2/NDF:33777.6/49

Out: 262.817+/-34.736 χ^2/NDF:26538.8/56

All: -141.227+/-24.691 χ^2/NDF: 60589.9/106

asym_bpm0i05WS_rms vs Slug, Sign Corrected



Right In: 198.132+/-0.036 χ^2/NDF: 1451723.3/26

Left Out: 213.931+/-0.035 χ^2/NDF:733638.6/24

Right Out: 193.427+/-0.034 χ^2/NDF: 2259369.8/31

Left In: 200.031+/-0.034 χ^2/NDF:785525.4/22

Left: 206.759+/-0.024 χ^2/NDF: 1600185.7/47

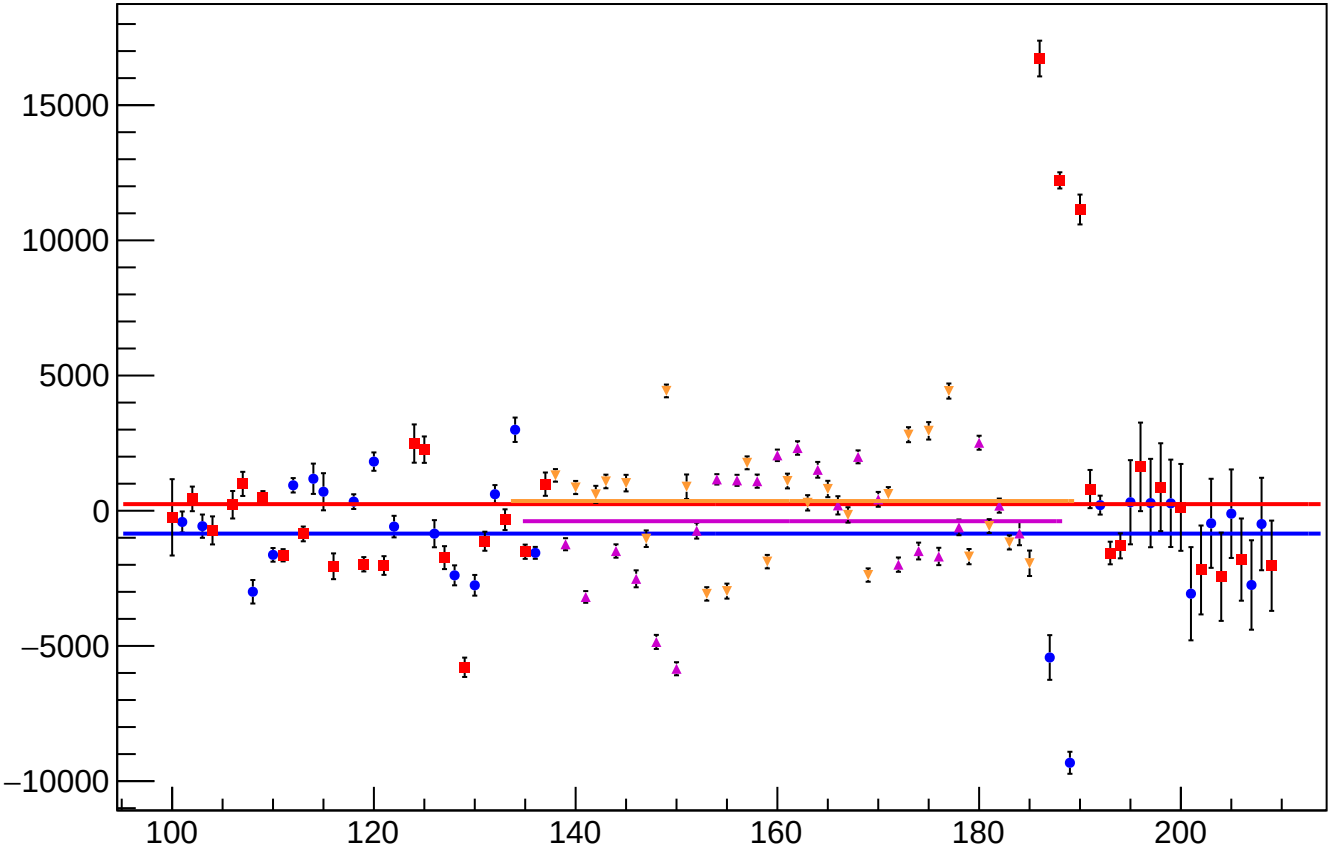
Right: 195.650+/-0.025 χ^2/NDF: 3719928.5/58

In: 199.145+/-0.025 χ^2/NDF:2238705.5/49

Out: 203.481+/-0.025 χ^2/NDF:3167153.4/56

All: 201.336+/-0.017 χ^2/NDF: 5421276.6/106

asym_bpm0i07WS_mean vs Slug, Sign Corrected



Right In: -845.946+/-81.195 χ^2/NDF: 801.1/26

Left Out: 358.680+/-54.992 χ^2/NDF:1418.9/24

Right Out: 244.428+/-73.639 χ^2/NDF: 3277.6/31

Left In: -386.941+/-53.528 χ^2/NDF:1804.2/22

Left: -24.183+/-38.357 χ^2/NDF: 3317.4/47

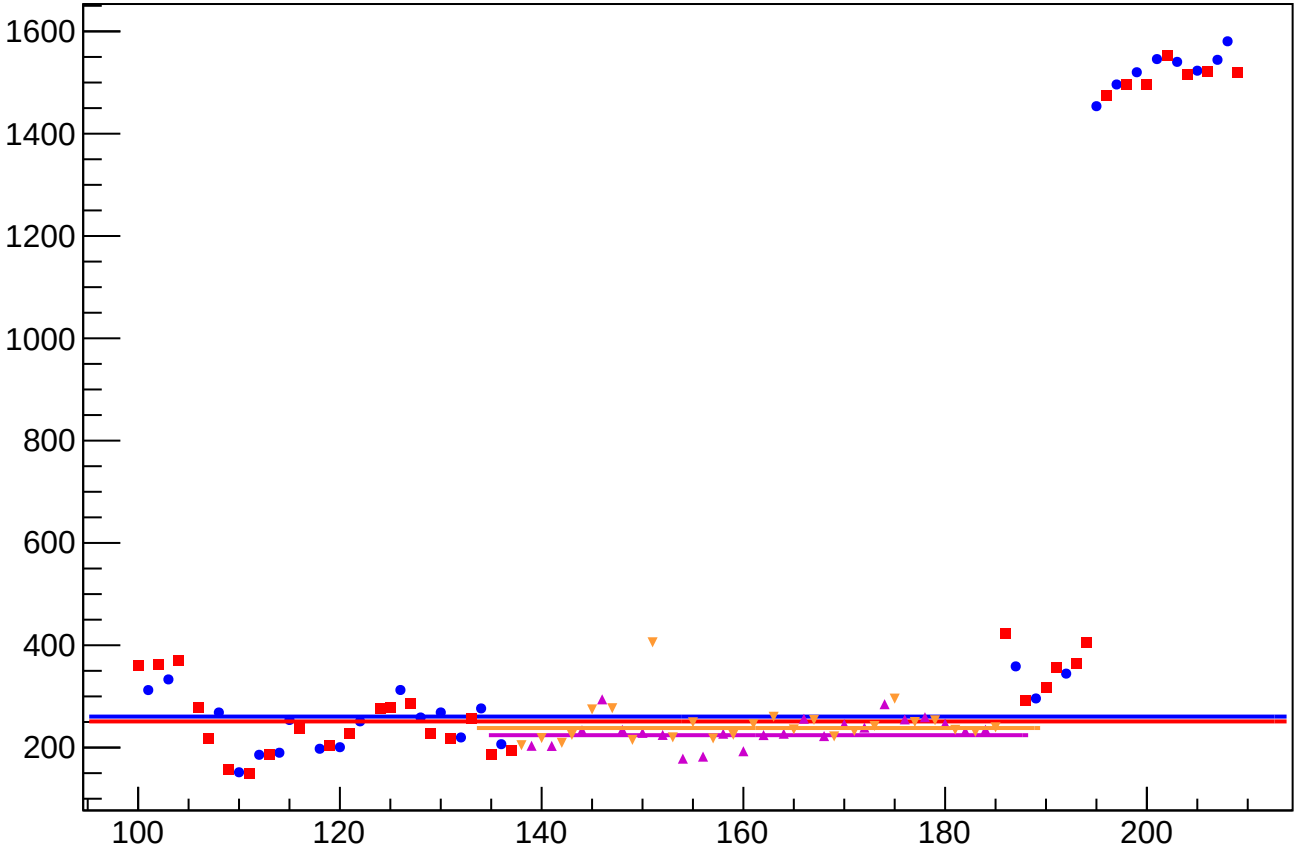
Right: -247.672+/-54.547 χ^2/NDF: 4177.6/58

In: -525.997+/-44.690 χ^2/NDF:2627.5/49

Out: 317.776+/-44.061 χ^2/NDF:4698.0/56

All: -98.129+/-31.376 χ^2/NDF: 7506.2/106

asym_bpm0i07WS_rms vs Slug, Sign Corrected



Right In: 260.570+/-0.057 χ^2/NDF: 10594035.2/26

Left Out: 238.199+/-0.039 χ^2/NDF:567935.3/24

Right Out: 251.106+/-0.052 χ^2/NDF: 10524294.3/31

Left In: 224.212+/-0.038 χ^2/NDF:563231.1/22

Left: 231.017+/-0.027 χ^2/NDF: 1197606.4/47

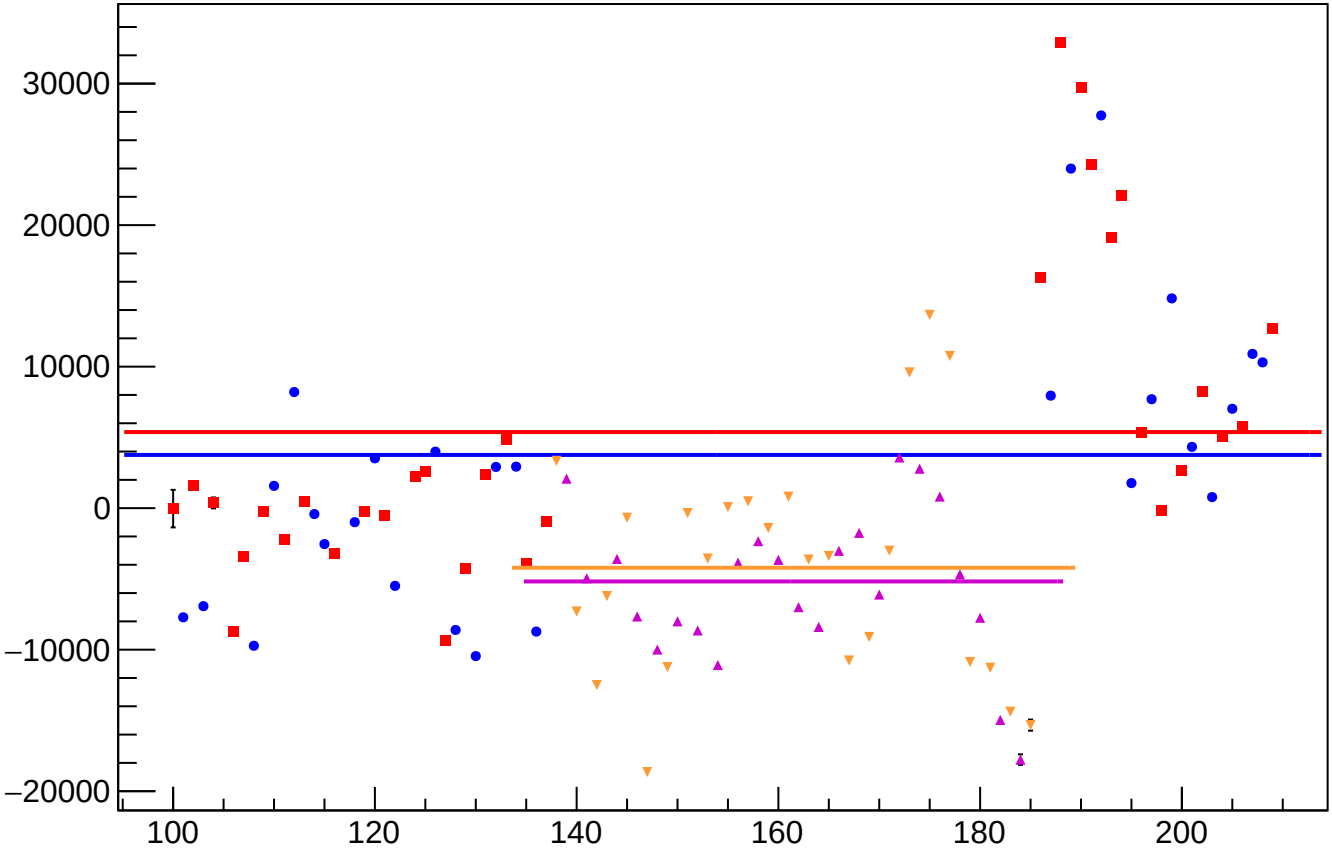
Right: 255.377+/-0.039 χ^2/NDF: 21133238.3/58

In: 235.227+/-0.032 χ^2/NDF:11436803.1/49

Out: 242.820+/-0.031 χ^2/NDF:11131674.2/56

All: 239.077+/-0.022 χ^2/NDF: 22597756.8/10

asym_bpm1i02WS_mean vs Slug, Sign Corrected



Right In: 3761.806+/-34.789 χ^2/NDF: 79372.0/26

Left Out: -4210.601+/-30.828 χ^2/NDF:56802.7/24

Right Out: 5377.094+/-32.812 χ^2/NDF: 104709.2/31

Left In: -5178.213+/-31.969 χ^2/NDF:18541.3/22

Left: -4676.831+/-22.191 χ^2/NDF: 75818.6/47

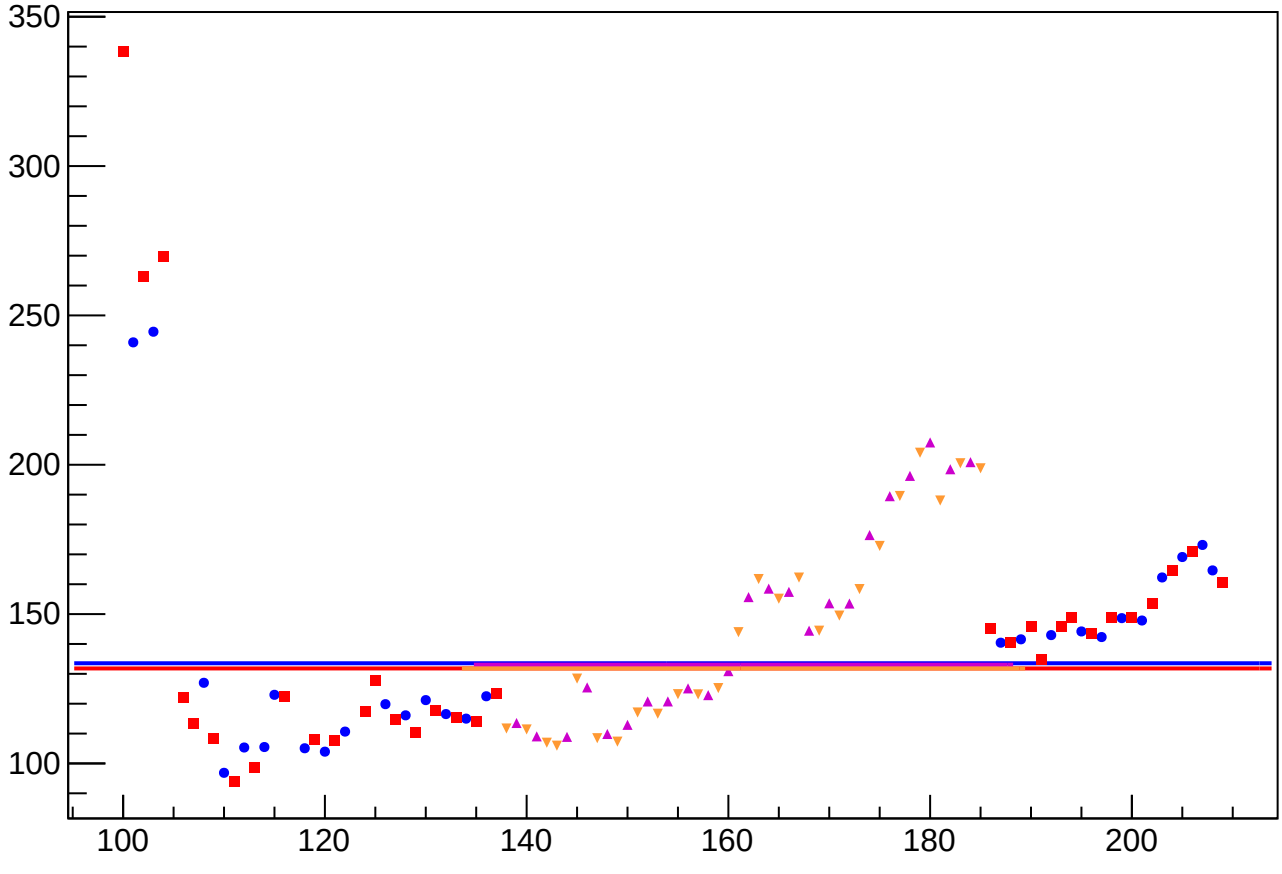
Right: 4616.649+/-23.870 χ^2/NDF: 185222.1/58

In: -1085.115+/-23.539 χ^2/NDF:133716.7/49

Out: 284.700+/-22.467 χ^2/NDF:206861.5/56

All: -368.305+/-16.253 χ^2/NDF: 342350.3/10

asym_bpm1i02WS_rms vs Slug, Sign Corrected



Right In: 133.541+/-0.025 χ^2/NDF: 1285490.1/26

Left Out: 131.798+/-0.022 χ^2/NDF:1544340.3/24

Right Out: 131.804+/-0.023 χ^2/NDF: 1500924.7/31

Left In: 133.061+/-0.023 χ^2/NDF:1418252.2/22

Left: 132.406+/-0.016 χ^2/NDF: 2964211.9/47

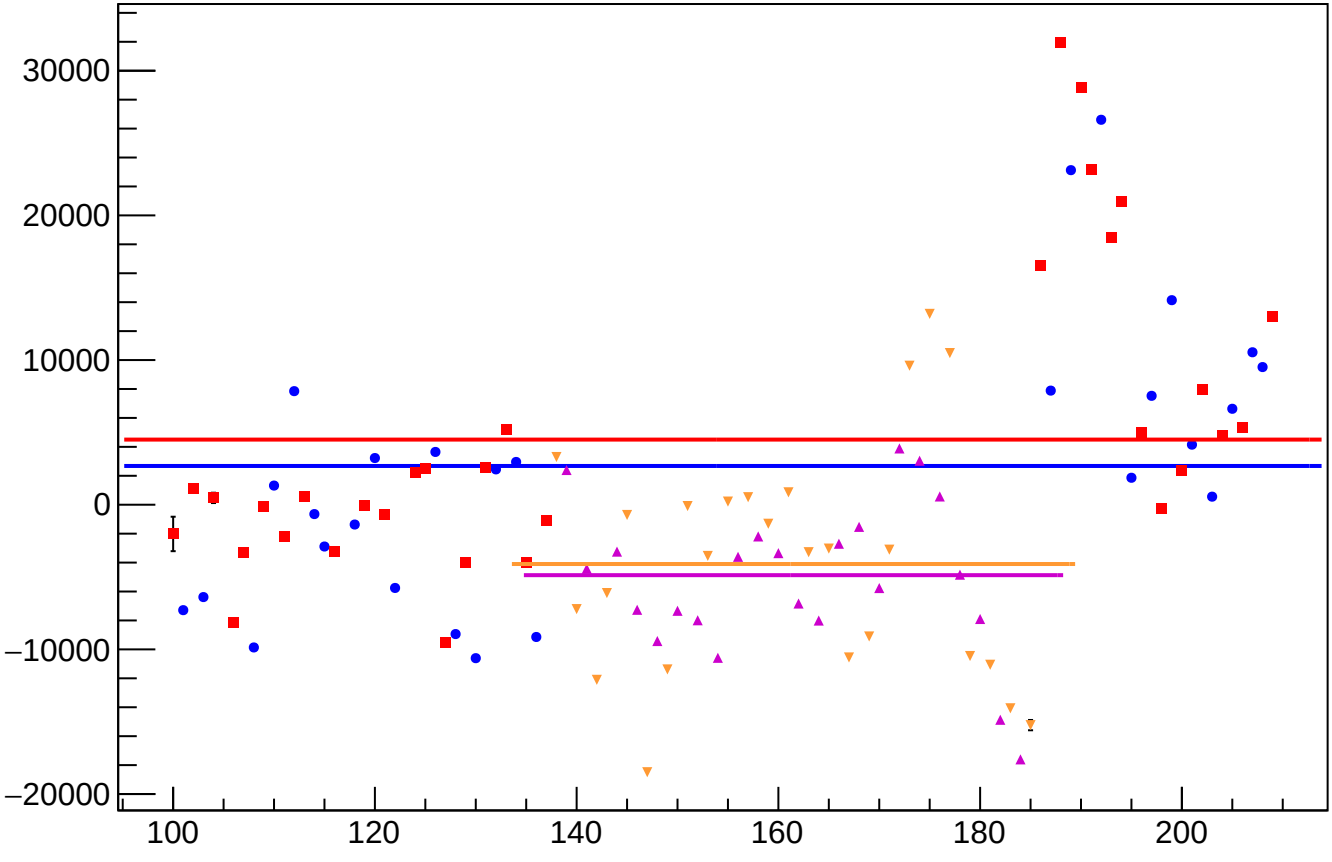
Right: 132.622+/-0.017 χ^2/NDF: 2789051.4/58

In: 133.281+/-0.017 χ^2/NDF:2703948.3/49

Out: 131.801+/-0.016 χ^2/NDF:3045265.1/56

All: 132.506+/-0.011 χ^2/NDF: 5753350.7/106

asym_bpm2i01WS_mean vs Slug, Sign Corrected



Right In: 2678.910+/-31.830 χ^2/NDF: 87059.1/26

Left Out: -4098.897+/-27.771 χ^2/NDF:66271.3/24

Right Out: 4502.209+/-30.209 χ^2/NDF: 111211.3/31

Left In: -4869.740+/-28.809 χ^2/NDF:21913.6/22

Left: -4470.191+/-19.994 χ^2/NDF: 88556.0/47

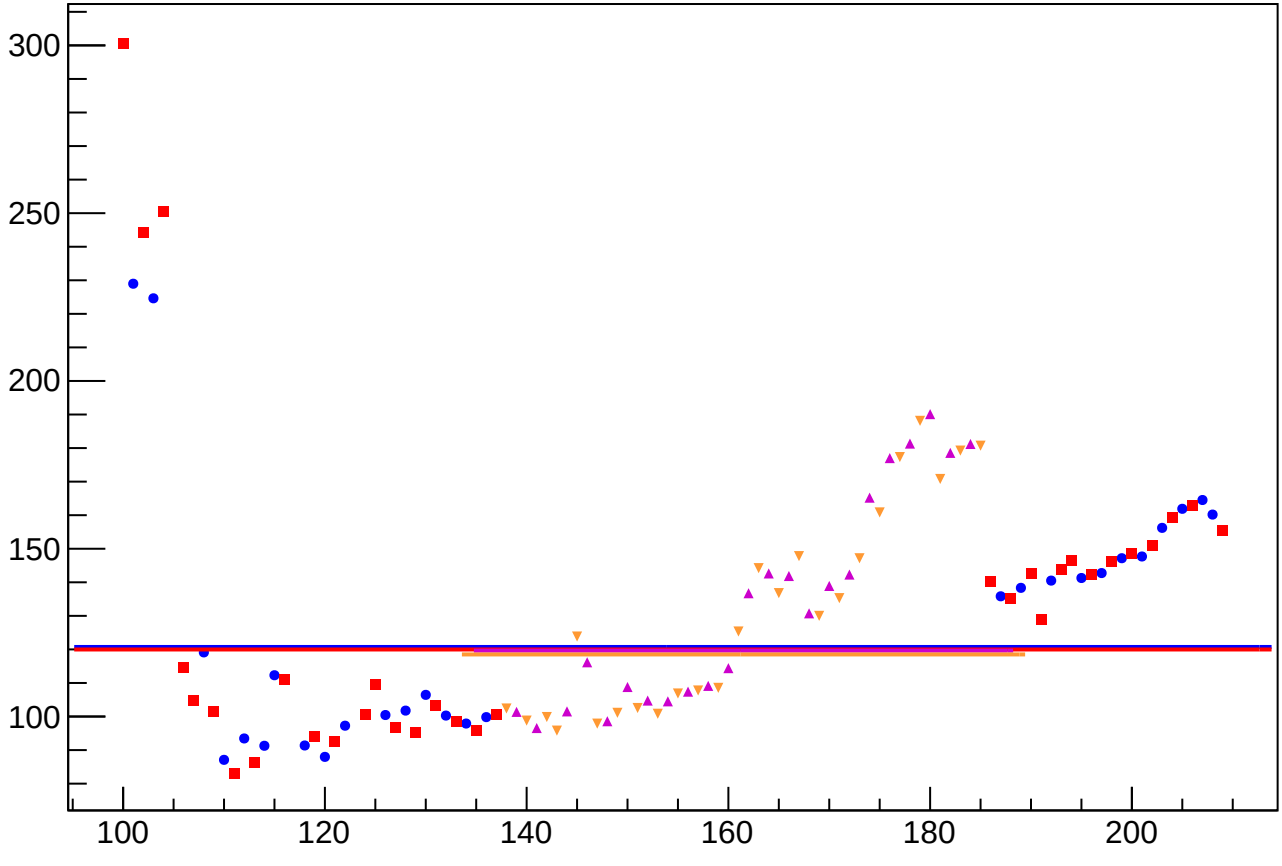
Right: 3638.174+/-21.912 χ^2/NDF: 199996.7/58

In: -1470.616+/-21.359 χ^2/NDF:139888.9/49

Out: -159.316+/-20.445 χ^2/NDF:221417.4/56

All: -786.294+/-14.769 χ^2/NDF: 363273.1/10

asym_bpm2i01WS_rms vs Slug, Sign Corrected



Right In: 120.729+/-0.023 χ^2/NDF: 1896989.2/26

Left Out: 118.502+/-0.020 χ^2/NDF:1627138.9/24

Right Out: 119.980+/-0.021 χ^2/NDF: 2122228.8/31

Left In: 119.645+/-0.020 χ^2/NDF:1512380.5/22

Left: 119.052+/-0.014 χ^2/NDF: 3141151.7/47

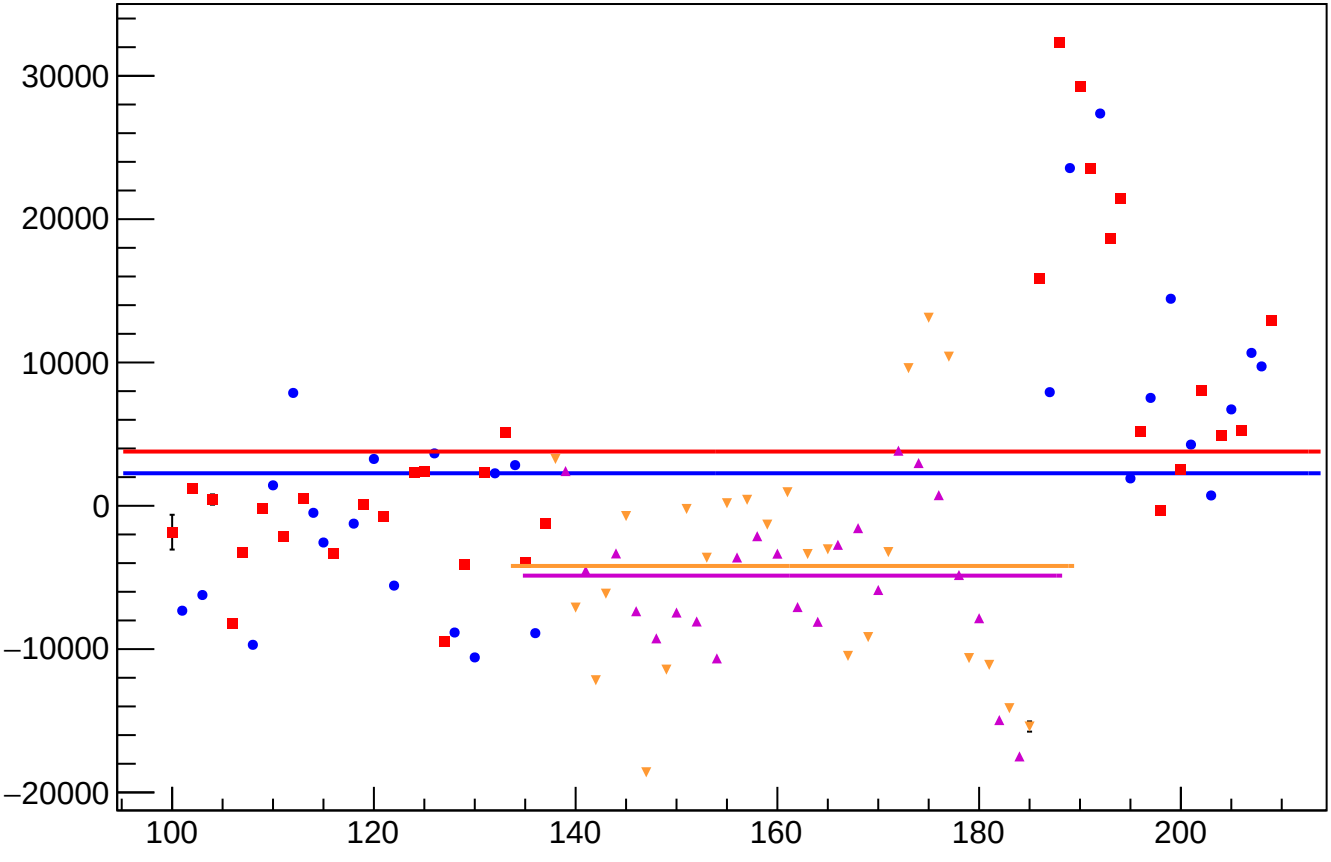
Right: 120.335+/-0.015 χ^2/NDF: 4019800.6/58

In: 120.133+/-0.015 χ^2/NDF:3410644.9/49

Out: 119.179+/-0.014 χ^2/NDF:3751963.1/56

All: 119.635+/-0.010 χ^2/NDF: 7164691.1/106

asym_bpm2i02WS_mean vs Slug, Sign Corrected



Right In: 2270.148+/-31.429 χ^2/NDF: 86087.3/26

Left Out: -4197.414+/-27.211 χ^2/NDF:70415.4/24

Right Out: 3785.150+/-29.867 χ^2/NDF: 104786.7/31

Left In: -4873.124+/-28.200 χ^2/NDF:22923.8/22

Left: -4523.205+/-19.581 χ^2/NDF: 93636.5/47

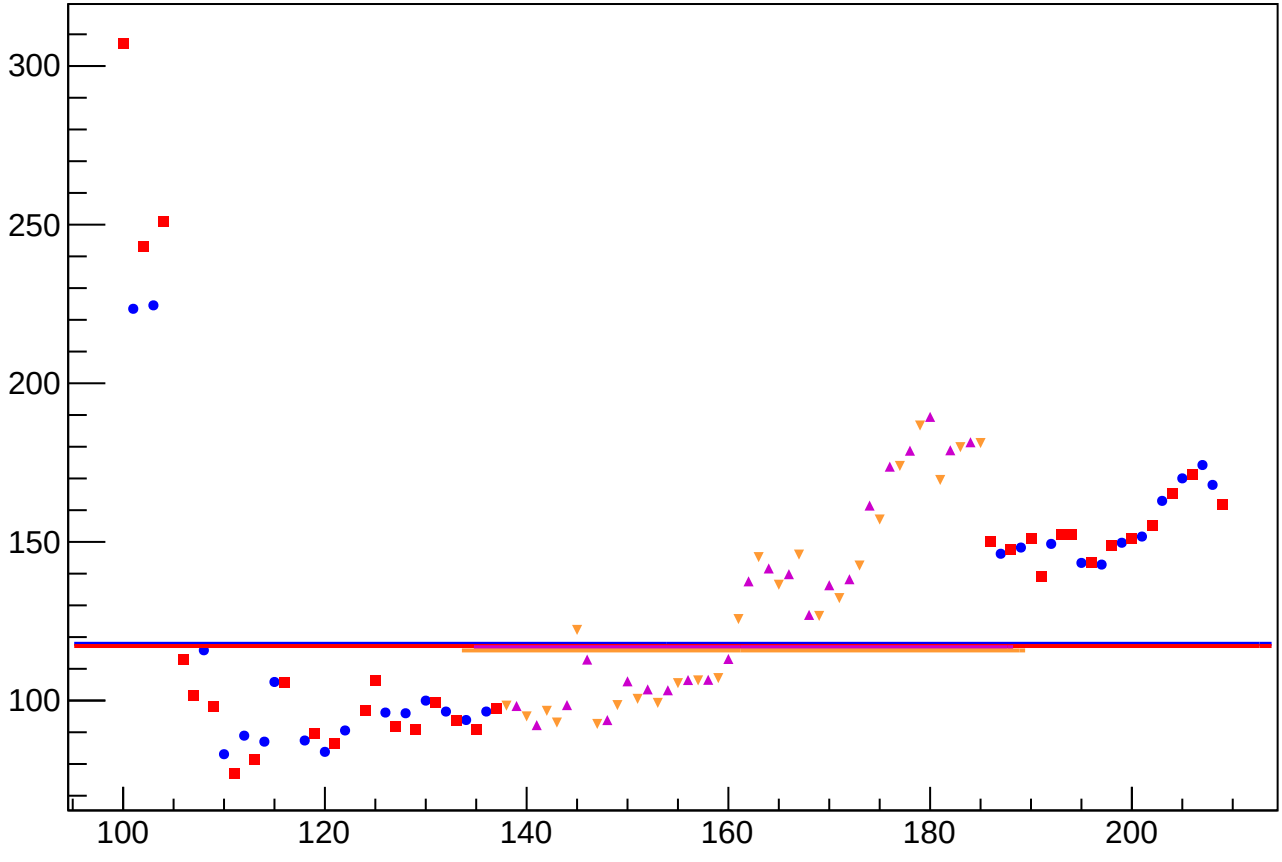
Right: 3066.229+/-21.650 χ^2/NDF: 192094.9/58

In: -1687.138+/-20.990 χ^2/NDF:137628.6/49

Out: -576.835+/-20.115 χ^2/NDF:214235.9/56

All: -1108.361+/-14.523 χ^2/NDF: 353323.2/1

asym_bpm2i02WS_rms vs Slug, Sign Corrected



Right In: 117.883+/-0.022 χ^2/NDF: 2432895.1/26

Left Out: 115.798+/-0.019 χ^2/NDF:1749021.2/24

Right Out: 117.187+/-0.021 χ^2/NDF: 2791794.7/31

Left In: 116.808+/-0.020 χ^2/NDF:1617645.9/22

Left: 116.285+/-0.014 χ^2/NDF: 3367997.1/47

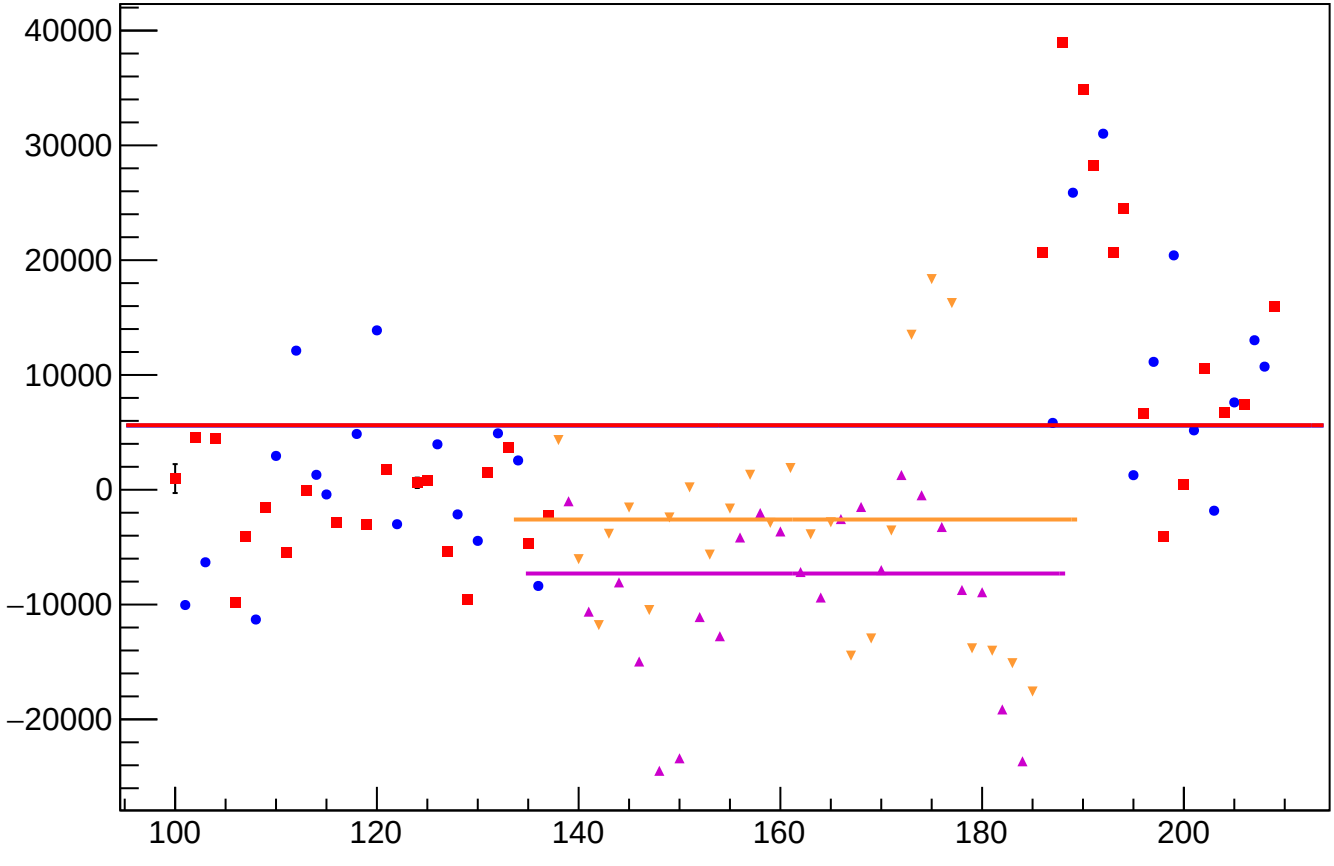
Right: 117.517+/-0.015 χ^2/NDF: 5225203.9/58

In: 117.288+/-0.015 χ^2/NDF:4051835.0/49

Out: 116.428+/-0.014 χ^2/NDF:4543181.2/56

All: 116.840+/-0.010 χ^2/NDF: 8596763.9/106

asym_bpm0i01WS_mean vs Slug, Sign Corrected



Right In: 5591.493+/-41.672 χ^2/NDF: 64369.9/26

Left Out: -2591.379+/-37.643 χ^2/NDF:47994.7/24

Right Out: 5621.382+/-39.699 χ^2/NDF: 99576.7/31

Left In: -7296.193+/-39.576 χ^2/NDF:24743.4/22

Left: -4826.123+/-27.275 χ^2/NDF: 80158.0/47

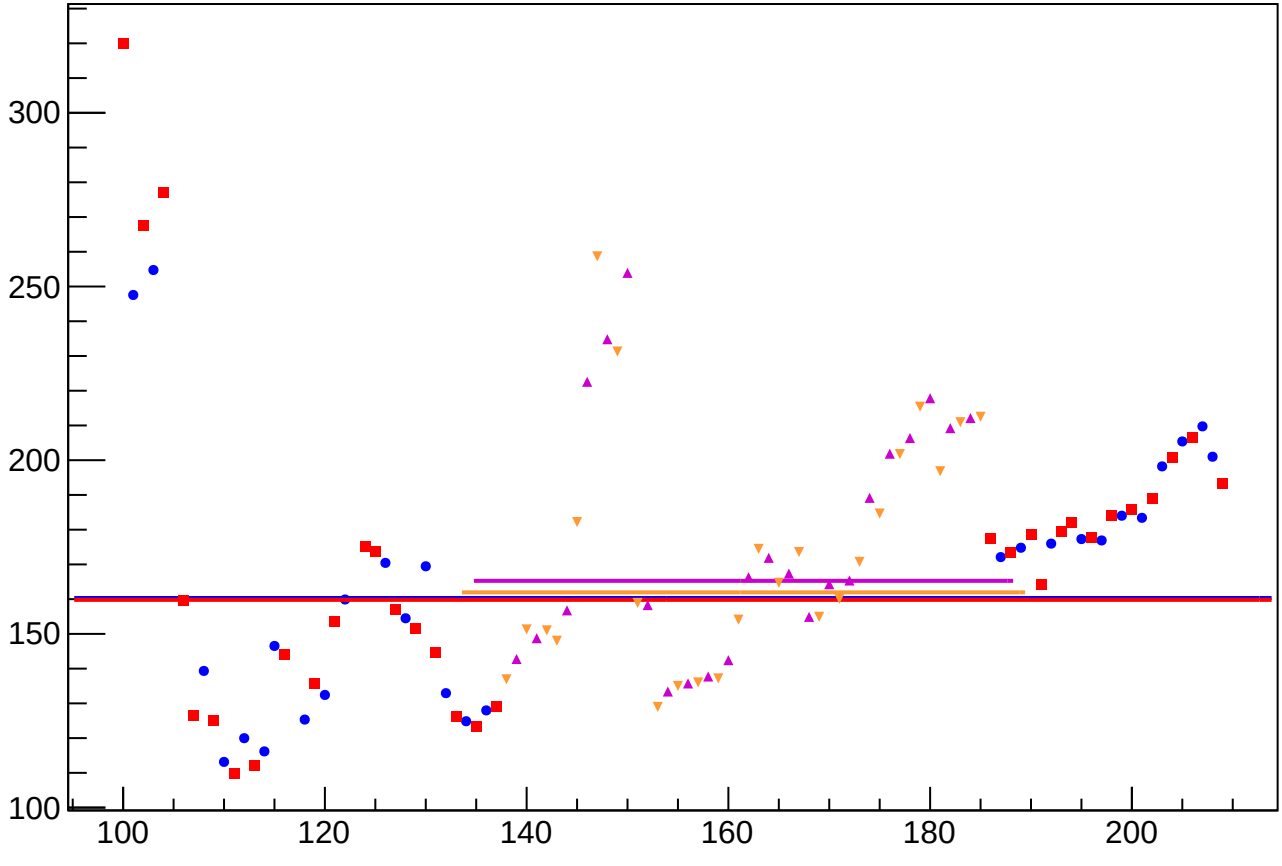
Right: 5607.162+/-28.744 χ^2/NDF: 163946.8/58

In: -1184.706+/-28.697 χ^2/NDF:139401.4/49

Out: 1296.872+/-27.316 χ^2/NDF:170107.0/56

All: 117.238+/-19.785 χ^2/NDF: 313431.7/106

asym_bpm0i01WS_rms vs Slug, Sign Corrected



Right In: 160.334+/-0.029 χ^2/NDF: 1356307.5/26

Left Out: 161.957+/-0.027 χ^2/NDF:1144808.3/24

Right Out: 159.797+/-0.028 χ^2/NDF: 1517070.3/31

Left In: 165.273+/-0.028 χ^2/NDF:1179090.6/22

Left: 163.532+/-0.019 χ^2/NDF: 2331268.8/47

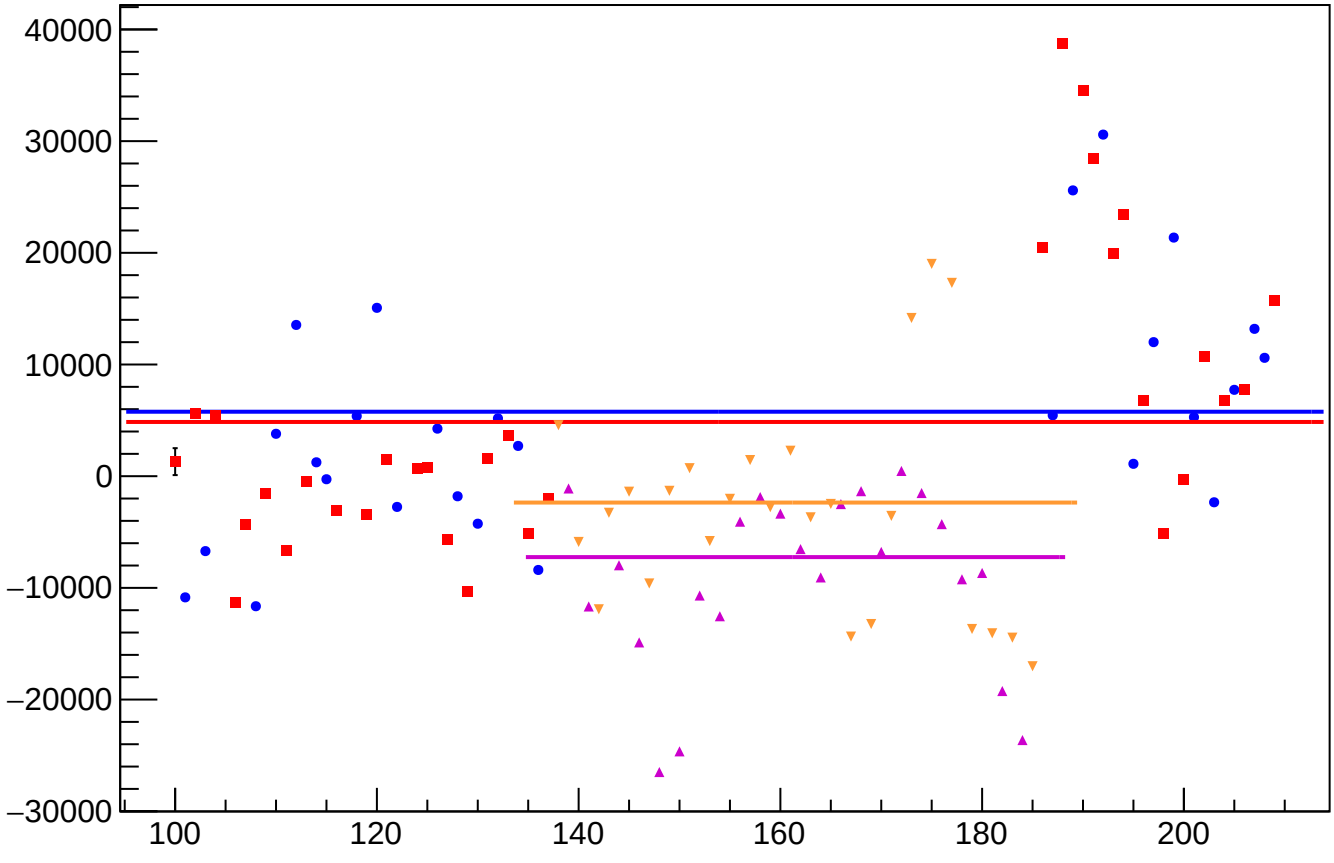
Right: 160.052+/-0.020 χ^2/NDF: 2873552.3/58

In: 162.931+/-0.020 χ^2/NDF:2550165.3/49

Out: 160.934+/-0.019 χ^2/NDF:2664997.3/56

All: 161.883+/-0.014 χ^2/NDF: 5220242.0/106

asym_bpm0i01aWS_mean vs Slug, Sign Corrected



Right In: 5772.337+/-35.382 χ^2/NDF: 89819.3/26

Left Out: -2360.753+/-33.680 χ^2/NDF:58566.4/24

Right Out: 4855.667+/-33.522 χ^2/NDF: 138608.3/31

Left In: -7244.763+/-35.507 χ^2/NDF:30447.9/22

Left: -4673.874+/-24.436 χ^2/NDF: 98973.5/47

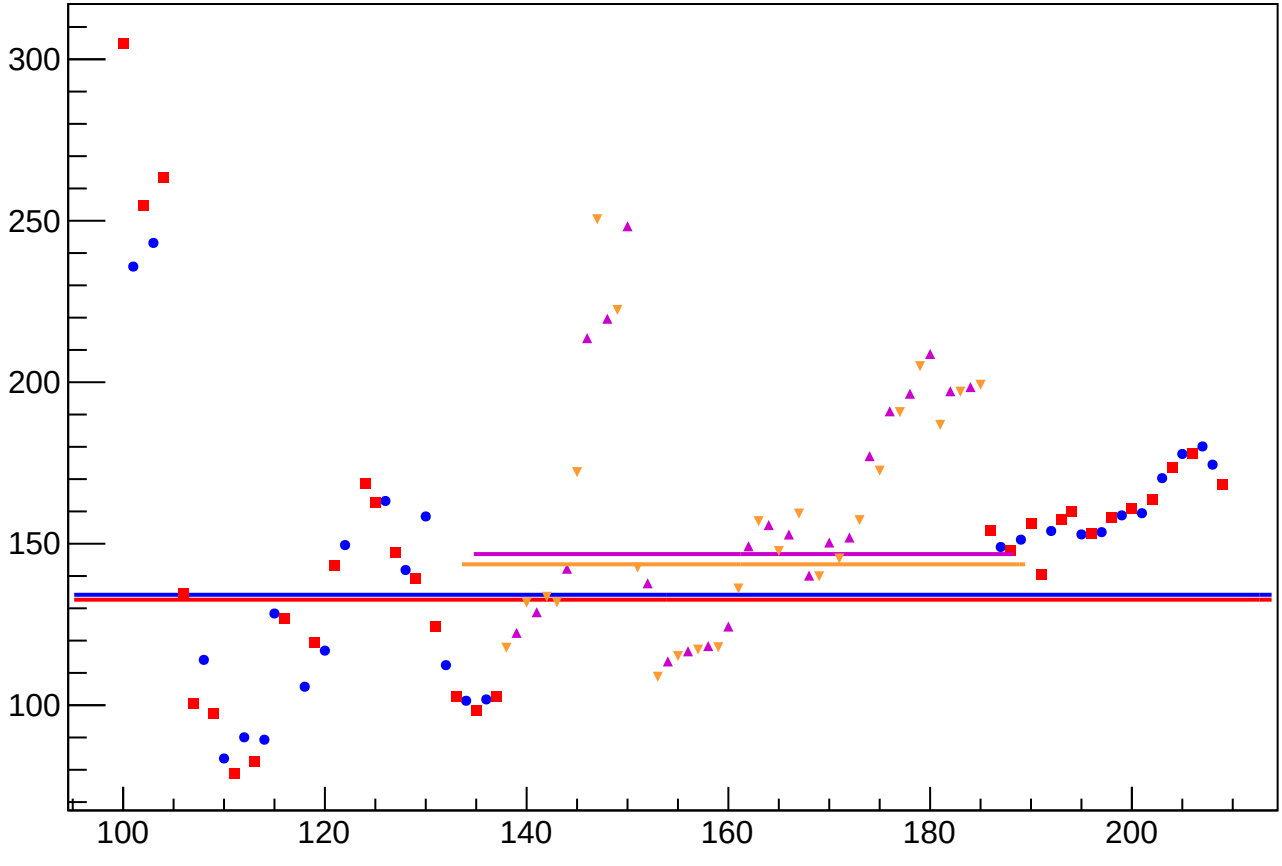
Right: 5289.280+/-24.335 χ^2/NDF: 228781.4/58

In: -713.236+/-25.063 χ^2/NDF:187703.9/49

Out: 1264.399+/-23.759 χ^2/NDF:220236.8/56

All: 328.346+/-17.243 χ^2/NDF: 411220.0/106

asym_bpm0i01aWS_rms vs Slug, Sign Corrected



Right In: 134.191+/-0.025 χ^2/NDF: 2030757.4/26

Left Out: 143.622+/-0.024 χ^2/NDF:1662825.4/24

Right Out: 132.667+/-0.024 χ^2/NDF: 2391678.3/31

Left In: 146.793+/-0.025 χ^2/NDF:1694524.1/22

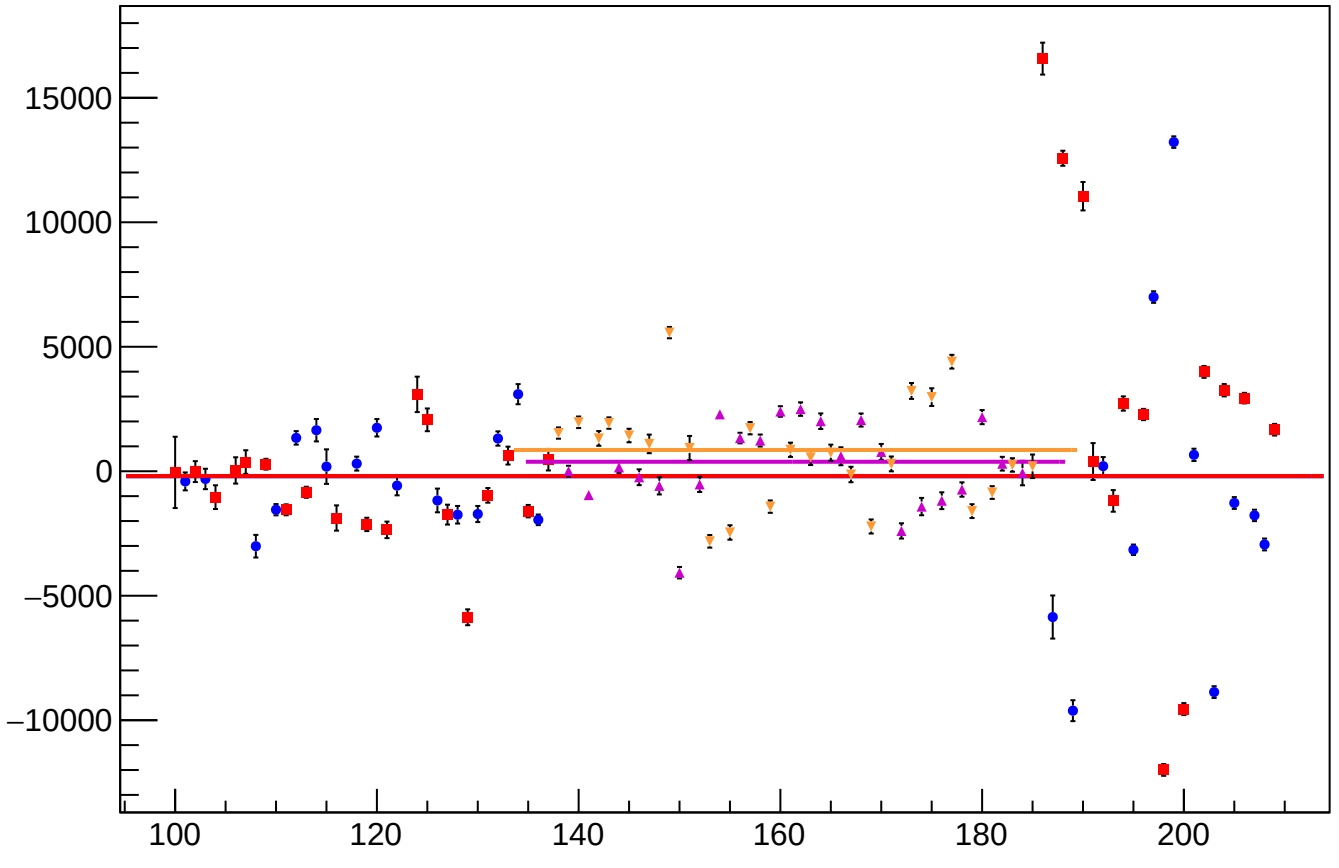
Left: 145.124+/-0.017 χ^2/NDF: 3365746.4/47

Right: 133.388+/-0.017 χ^2/NDF: 4424389.4/58

In: 140.470+/-0.018 χ^2/NDF:3851703.5/49

Out: 138.119+/-0.017 χ^2/NDF:4160796.7/56

All: 139.232+/-0.012 χ^2/NDF: 8021766.5/106



Right In: -204.192+/-56.659 χ^2/NDF: 6999.3/26

Left Out: 853.916+/-56.237 χ^2/NDF:1443.8/24

Right Out: -190.335+/-54.536 χ^2/NDF: 8465.0/31

Left In: 380.865+/-55.135 χ^2/NDF:982.4/22

Left: 612.713+/-39.370 χ^2/NDF: 2462.3/47

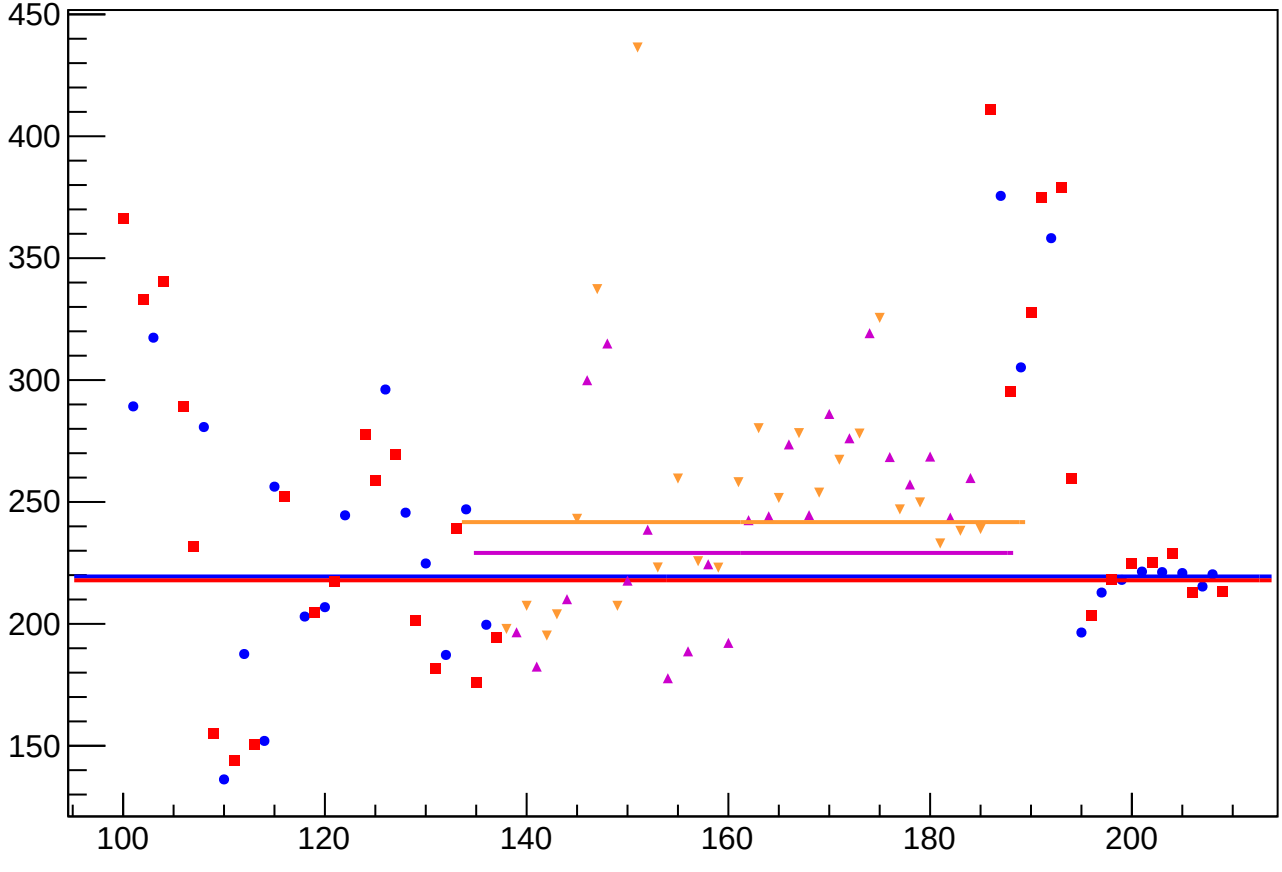
Right: -196.999+/-39.292 χ^2/NDF: 15464.4/58

In: 96.310+/-39.514 χ^2/NDF:8036.5/49

Out: 315.760+/-39.150 χ^2/NDF:10086.5/56

All: 207.051+/-27.811 χ^2/NDF: 18138.6/106

asym_bpm0l01WS_rms vs Slug, Sign Corrected



Right In: 219.441+/-0.040 χ^2/NDF: 1172101.1/26

Left Out: 241.746+/-0.040 χ^2/NDF:986390.8/24

Right Out: 217.870+/-0.039 χ^2/NDF: 1910853.6/31

Left In: 229.103+/-0.039 χ^2/NDF:1068960.6/22

Left: 235.300+/-0.028 χ^2/NDF: 2106890.7/47

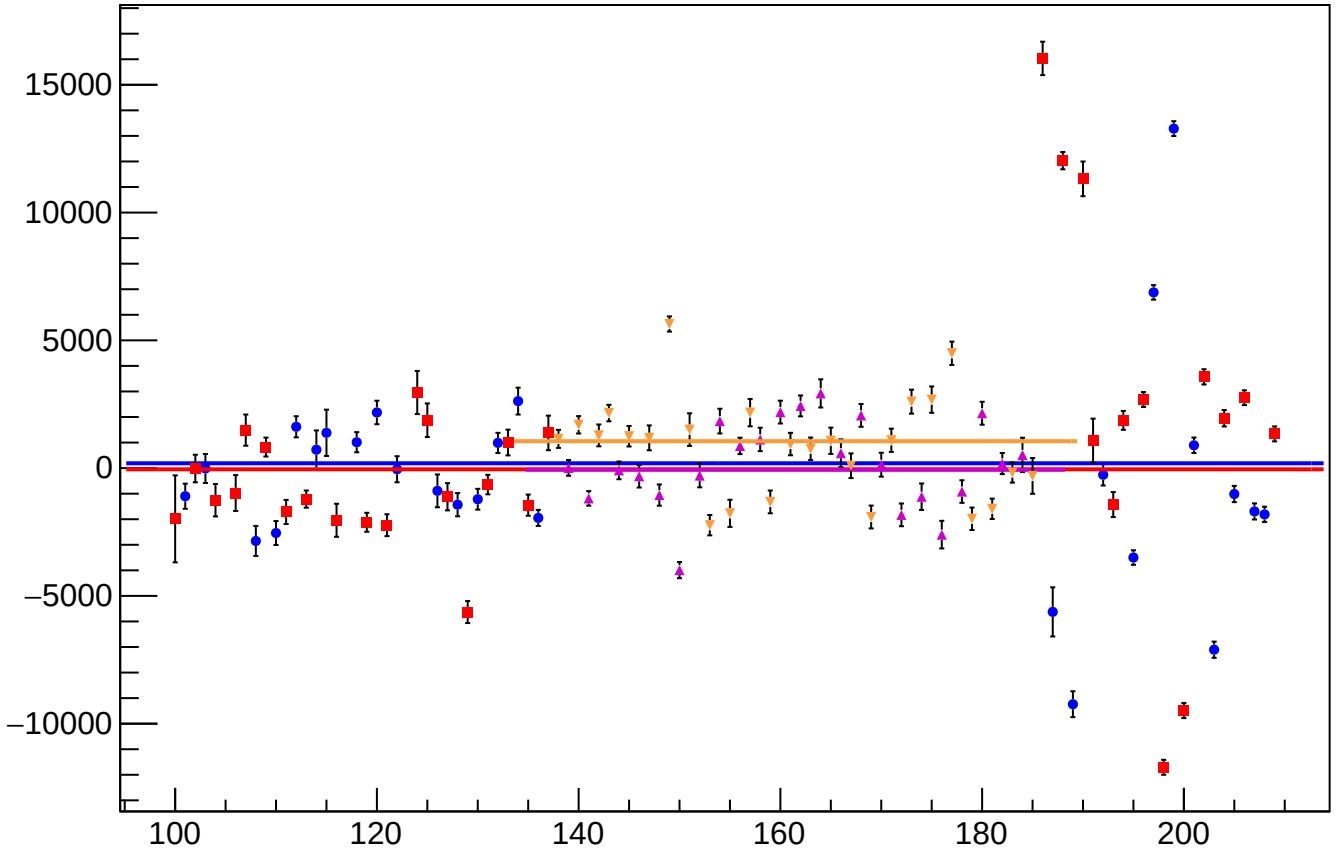
Right: 218.626+/-0.028 χ^2/NDF: 3083752.2/58

In: 224.404+/-0.028 χ^2/NDF:2270937.9/49

Out: 229.442+/-0.028 χ^2/NDF:3083025.1/56

All: 226.946+/-0.020 χ^2/NDF: 5370368.8/106

asym_bpm0l02WS_mean vs Slug, Sign Corrected



Right In: 189.174+/-76.480 χ^2/NDF: 3970.8/26

Left Out: 1053.354+/-85.895 χ^2/NDF:614.6/24

Right Out: -46.439+/-73.847 χ^2/NDF: 5502.1/31

Left In: -64.646+/-86.660 χ^2/NDF:394.4/22

Left: 499.305+/-61.006 χ^2/NDF: 1093.0/47

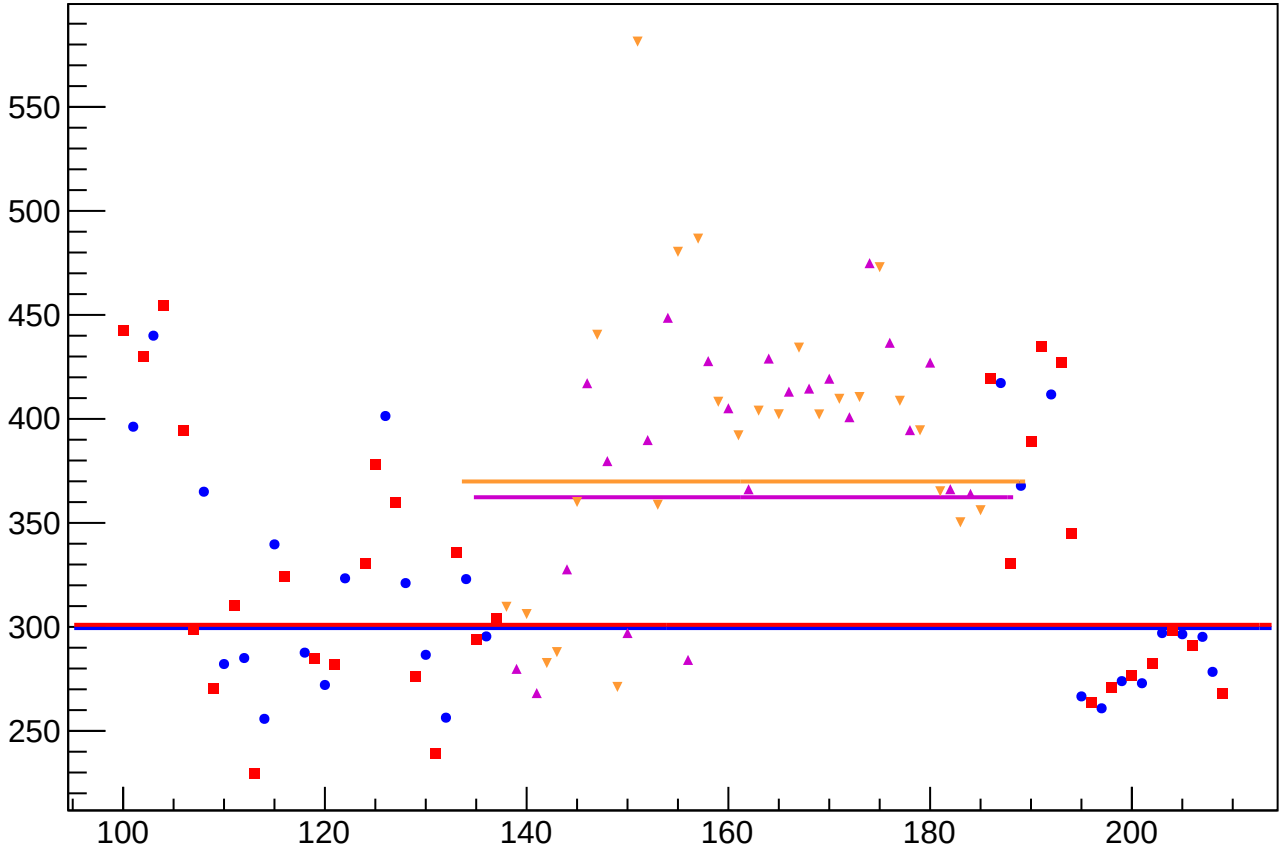
Right: 67.242+/-53.124 χ^2/NDF: 9477.9/58

In: 78.040+/-57.342 χ^2/NDF:4370.1/49

Out: 420.977+/-55.997 χ^2/NDF:6211.0/56

All: 253.579+/-40.063 χ^2/NDF: 10599.4/106

asym_bpm0l02WS_rms vs Slug, Sign Corrected



Right In: 299.440+/-0.054 χ^2/NDF: 654535.1/26

Left Out: 369.923+/-0.061 χ^2/NDF:1230300.9/24

Right Out: 301.009+/-0.052 χ^2/NDF: 947833.9/31

Left In: 362.341+/-0.061 χ^2/NDF:1053395.6/22

Left: 366.166+/-0.043 χ^2/NDF: 2291420.1/47

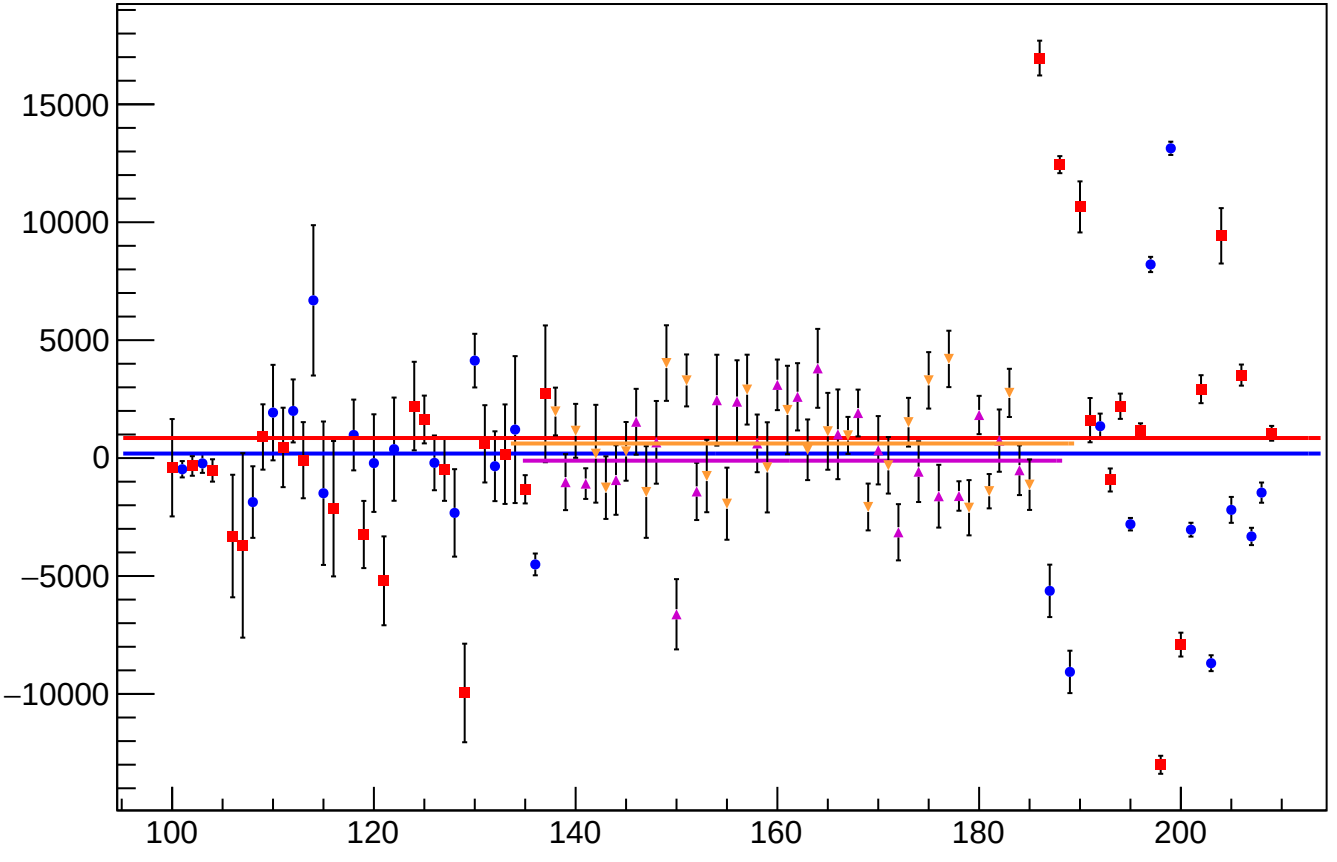
Right: 300.252+/-0.038 χ^2/NDF: 1602804.3/58

In: 326.981+/-0.041 χ^2/NDF:2300265.0/49

Out: 330.298+/-0.040 χ^2/NDF:2918390.6/56

All: 328.679+/-0.028 χ^2/NDF: 5222080.8/106

asym_bpm0l03WS_mean vs Slug, Sign Corrected



Right In: 192.135+/-98.756 χ^2/NDF: 4075.8/26

Left Out: 618.538+/-238.150 χ^2/NDF:65.7/24

Right Out: 851.234+/-112.747 χ^2/NDF: 3408.9/31

Left In: -109.519+/-237.827 χ^2/NDF:71.7/22

Left: 254.016+/-168.283 χ^2/NDF: 142.1/47

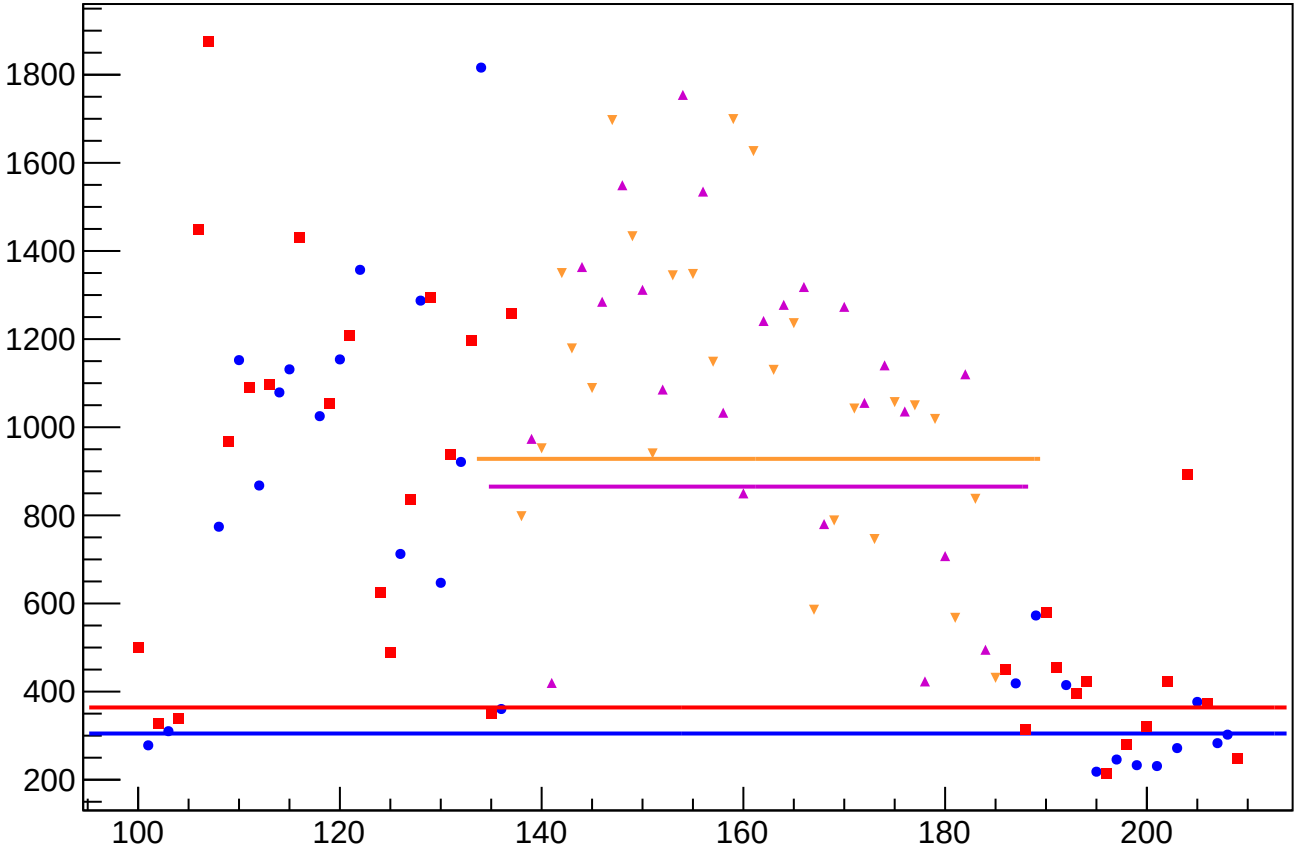
Right: 478.276+/-74.288 χ^2/NDF: 7504.0/58

In: 147.771+/-91.206 χ^2/NDF:4148.9/49

Out: 808.628+/-101.904 χ^2/NDF:3475.4/56

All: 441.701+/-67.961 χ^2/NDF: 7647.6/106

asym_bpm0l03WS_rms vs Slug, Sign Corrected



Right In: 304.887+/-0.070 χ^2/NDF: 5152390.9/26

Left Out: 928.240+/-0.168 χ^2/NDF:3294716.2/24

Right Out: 364.013+/-0.080 χ^2/NDF: 5978258.5/31

Left In: 865.223+/-0.168 χ^2/NDF:4792678.4/22

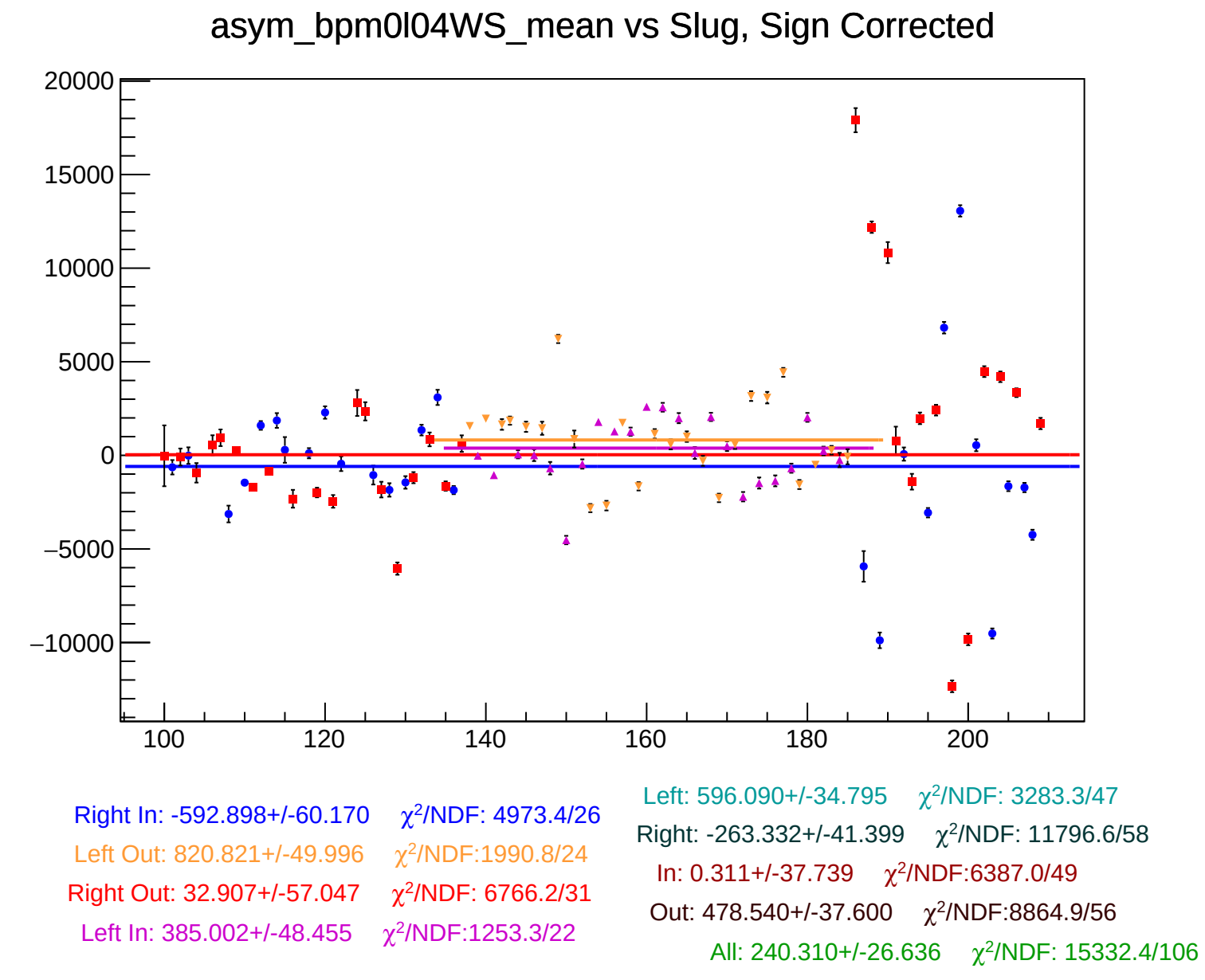
Left: 896.689+/-0.119 χ^2/NDF: 8157507.8/47

Right: 330.556+/-0.053 χ^2/NDF: 11441891.7/58

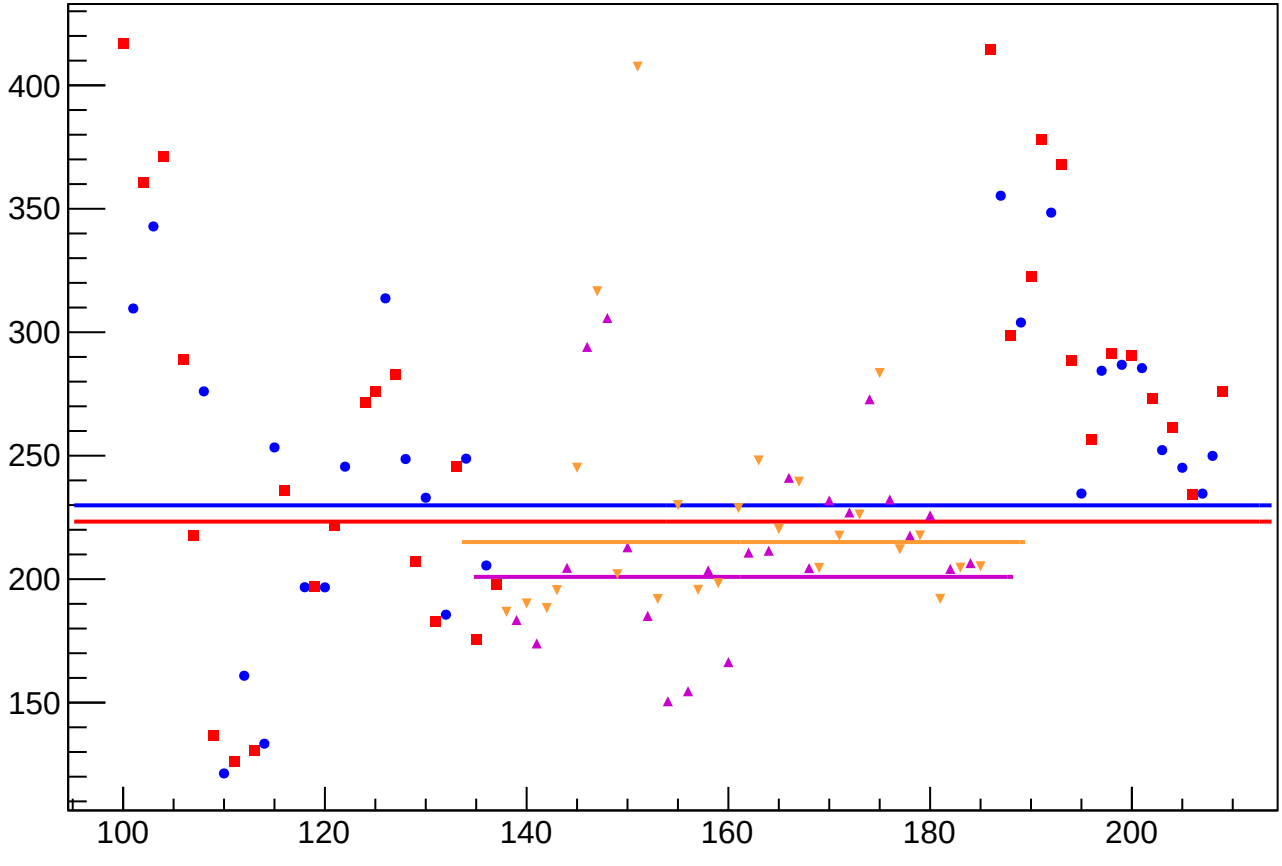
In: 387.294+/-0.064 χ^2/NDF:19414383.9/49

Out: 467.321+/-0.072 χ^2/NDF:18443768.6/56

All: 422.888+/-0.048 χ^2/NDF: 38542991.2/10


asym_bpm0l04WS_mean vs Slug, Sign Corrected
20000
15000
10000
5000
0
−5000
−10000
100
120
140
160
180
200
Right In: -592.898+/-60.170 χ²/NDF: 4973.4/26
Left Out: 820.821+/-49.996 χ²/NDF:1990.8/24
Right Out: 32.907+/-57.047 χ²/NDF: 6766.2/31
Left In: 385.002+/-48.455 χ²/NDF:1253.3/22
Left: 596.090+/-34.795 χ²/NDF: 3283.3/47
Right: -263.332+/-41.399 χ²/NDF: 11796.6/58
In: 0.311+/-37.739 χ²/NDF:6387.0/49
Out: 478.540+/-37.600 χ²/NDF:8864.9/56
All: 240.310+/-26.636 χ²/NDF: 15332.4/106

asym_bpm0l04WS_rms vs Slug, Sign Corrected



Right In: 229.894+/-0.043 χ^2/NDF: 1857757.2/26

Left Out: 215.027+/-0.035 χ^2/NDF:897791.6/24

Right Out: 223.308+/-0.040 χ^2/NDF: 3140912.3/31

Left In: 200.917+/-0.034 χ^2/NDF:1105842.5/22

Left: 207.751+/-0.025 χ^2/NDF: 2085775.1/47

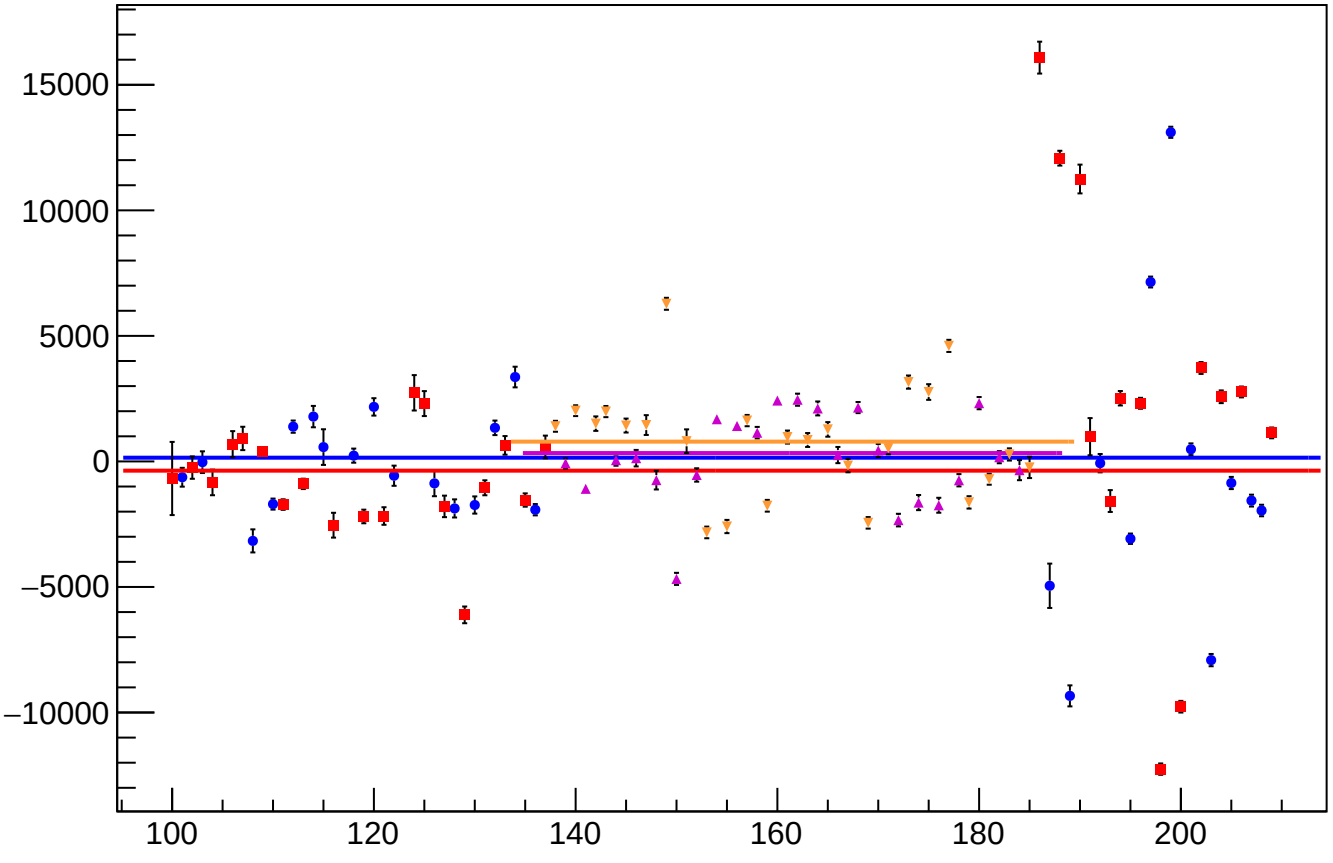
Right: 226.425+/-0.029 χ^2/NDF: 5011287.3/58

In: 212.316+/-0.027 χ^2/NDF:3244966.3/49

Out: 218.624+/-0.027 χ^2/NDF:4062539.5/56

All: 215.482+/-0.019 χ^2/NDF: 7335549.7/106

asym_bpm0l05WS_mean vs Slug, Sign Corrected



Right In: 148.626+/-56.324 χ^2/NDF: 6932.0/26

Left Out: 788.110+/-51.424 χ^2/NDF:1890.2/24

Right Out: -367.808+/-53.821 χ^2/NDF: 8786.5/31

Left In: 333.303+/-50.194 χ^2/NDF:1215.2/22

Left: 555.203+/-35.920 χ^2/NDF: 3145.5/47

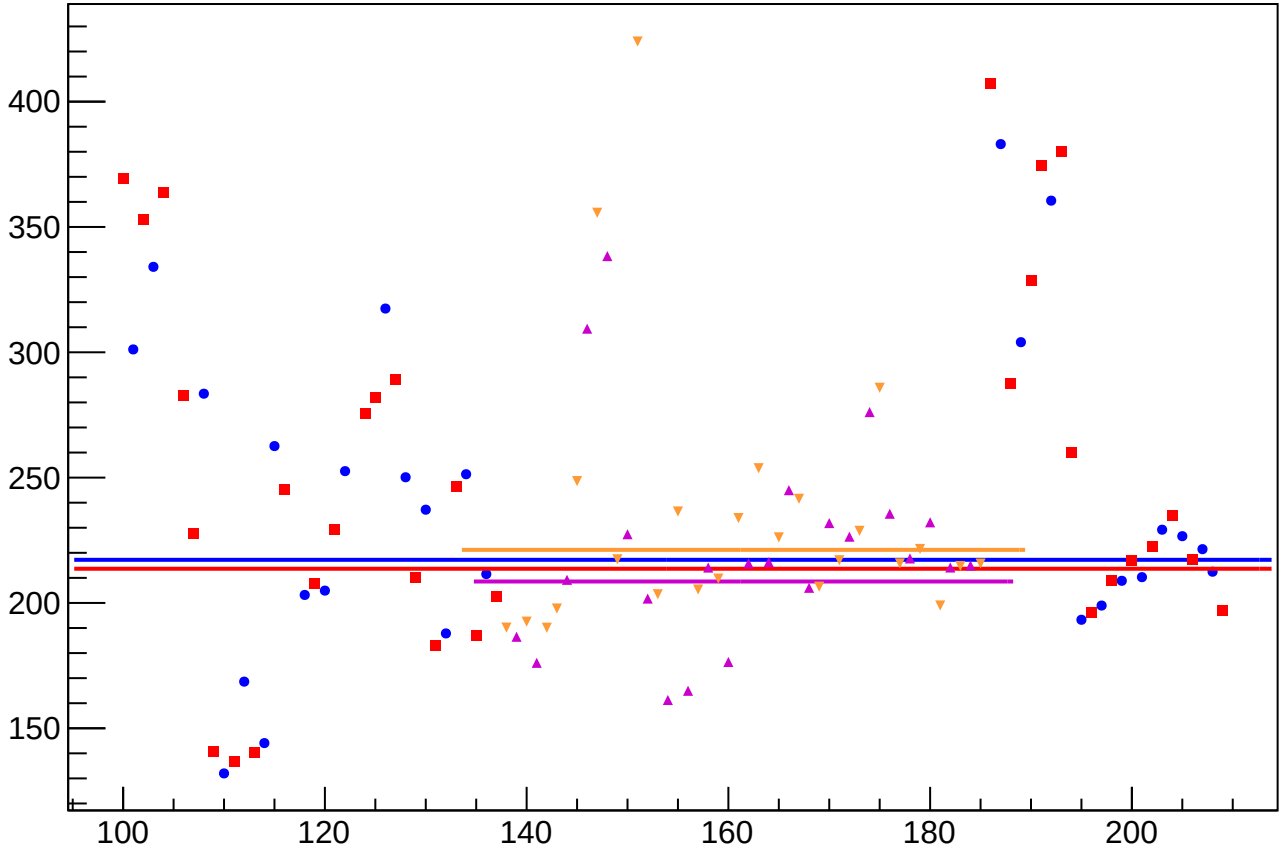
Right: -121.322+/-38.912 χ^2/NDF: 15762.4/58

In: 251.557+/-37.473 χ^2/NDF:8153.2/49

Out: 236.456+/-37.181 χ^2/NDF:10917.9/56

All: 243.948+/-26.394 χ^2/NDF: 19071.2/106

asym_bpm0l05WS_rms vs Slug, Sign Corrected



Right In: 217.209+/-0.040 χ^2/NDF: 1412015.8/26

Left Out: 221.185+/-0.036 χ^2/NDF:939520.0/24

Right Out: 213.646+/-0.038 χ^2/NDF: 2278272.1/31

Left In: 208.556+/-0.035 χ^2/NDF:1035638.0/22

Left: 214.718+/-0.025 χ^2/NDF: 2036930.5/47

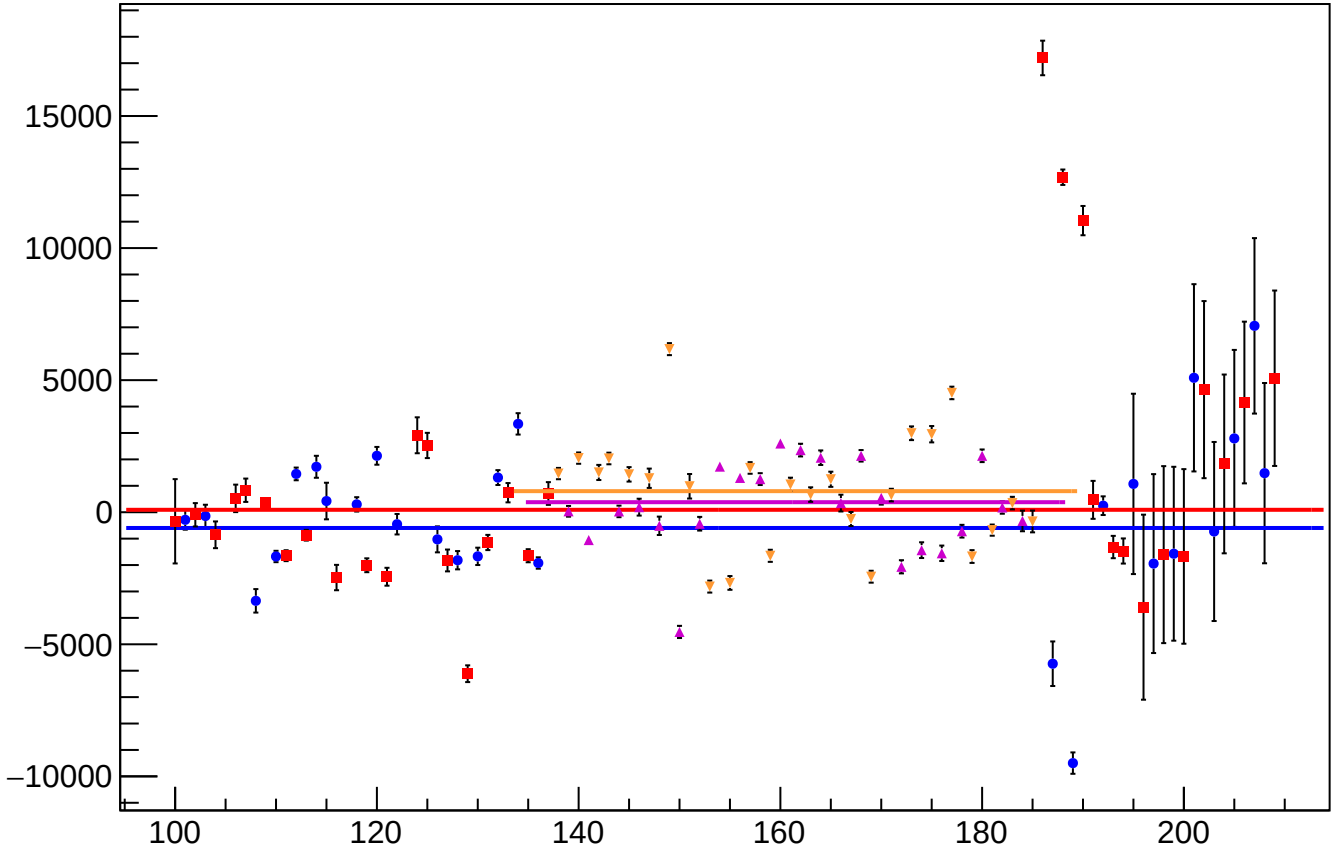
Right: 215.347+/-0.028 χ^2/NDF: 3694473.5/58

In: 212.387+/-0.026 χ^2/NDF:2473965.2/49

Out: 217.587+/-0.026 χ^2/NDF:3238310.1/56

All: 215.007+/-0.019 χ^2/NDF: 5731685.9/106

asym_bpm0l06WS_mean vs Slug, Sign Corrected



Right In: -596.533+/-76.338 χ^2/NDF: 986.3/26

Left Out: 797.475+/-50.495 χ^2/NDF:1960.8/24

Right Out: 91.641+/-68.084 χ^2/NDF: 3737.9/31

Left In: 379.578+/-49.183 χ^2/NDF:1201.2/22

Left: 583.028+/-35.232 χ^2/NDF: 3197.2/47

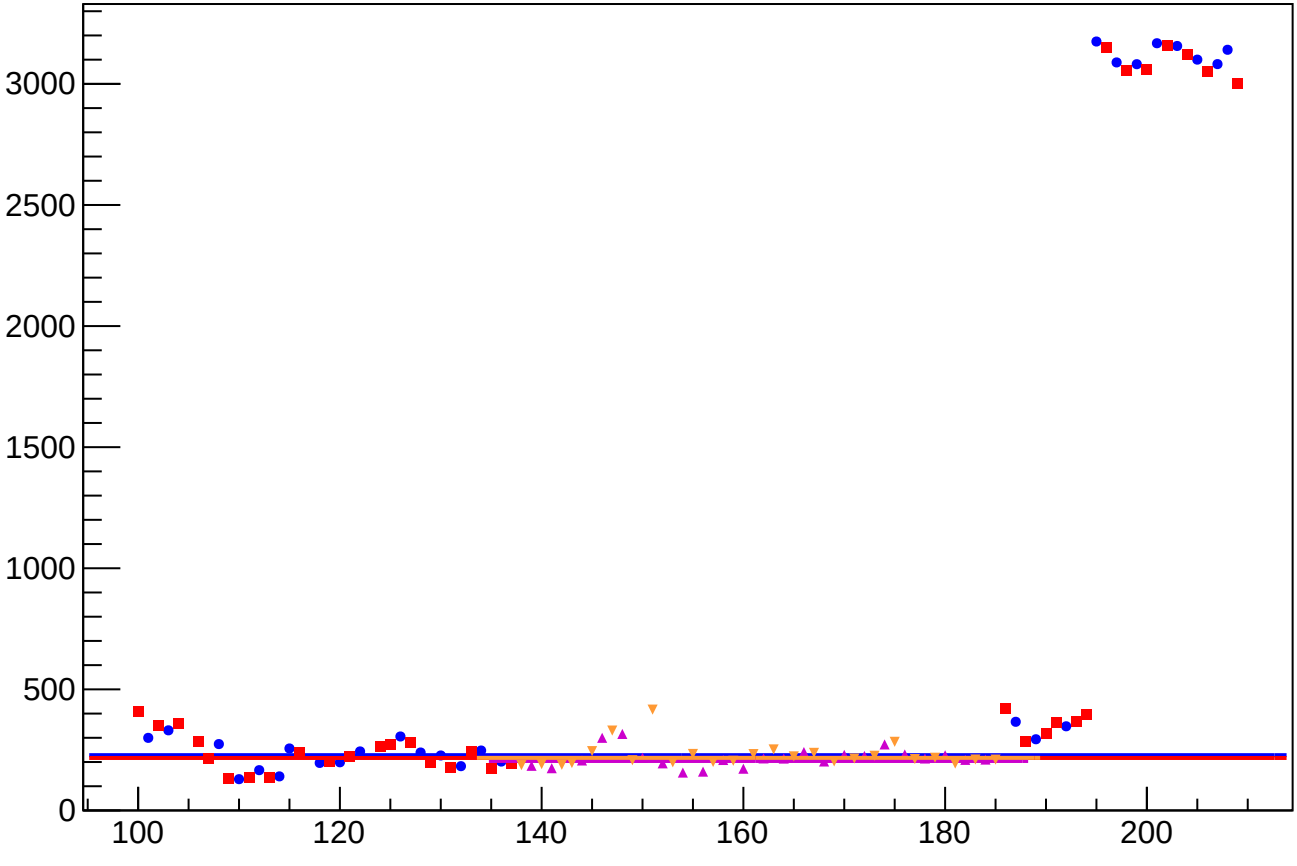
Right: -213.241+/-50.811 χ^2/NDF: 4769.5/58

In: 93.250+/-41.345 χ^2/NDF:2303.1/49

Out: 547.001+/-40.558 χ^2/NDF:5768.0/56

All: 324.487+/-28.953 χ^2/NDF: 8132.5/106

asym_bpm0l06WS_rms vs Slug, Sign Corrected



Right In: 228.307+/-0.054 χ^2/NDF: 13065257.8/26

Left Out: 217.224+/-0.036 χ^2/NDF:910445.0/24

Right Out: 216.679+/-0.048 χ^2/NDF: 13095987.0/31

Left In: 204.308+/-0.035 χ^2/NDF:1015049.0/22

Left: 210.596+/-0.025 χ^2/NDF: 1992646.9/47

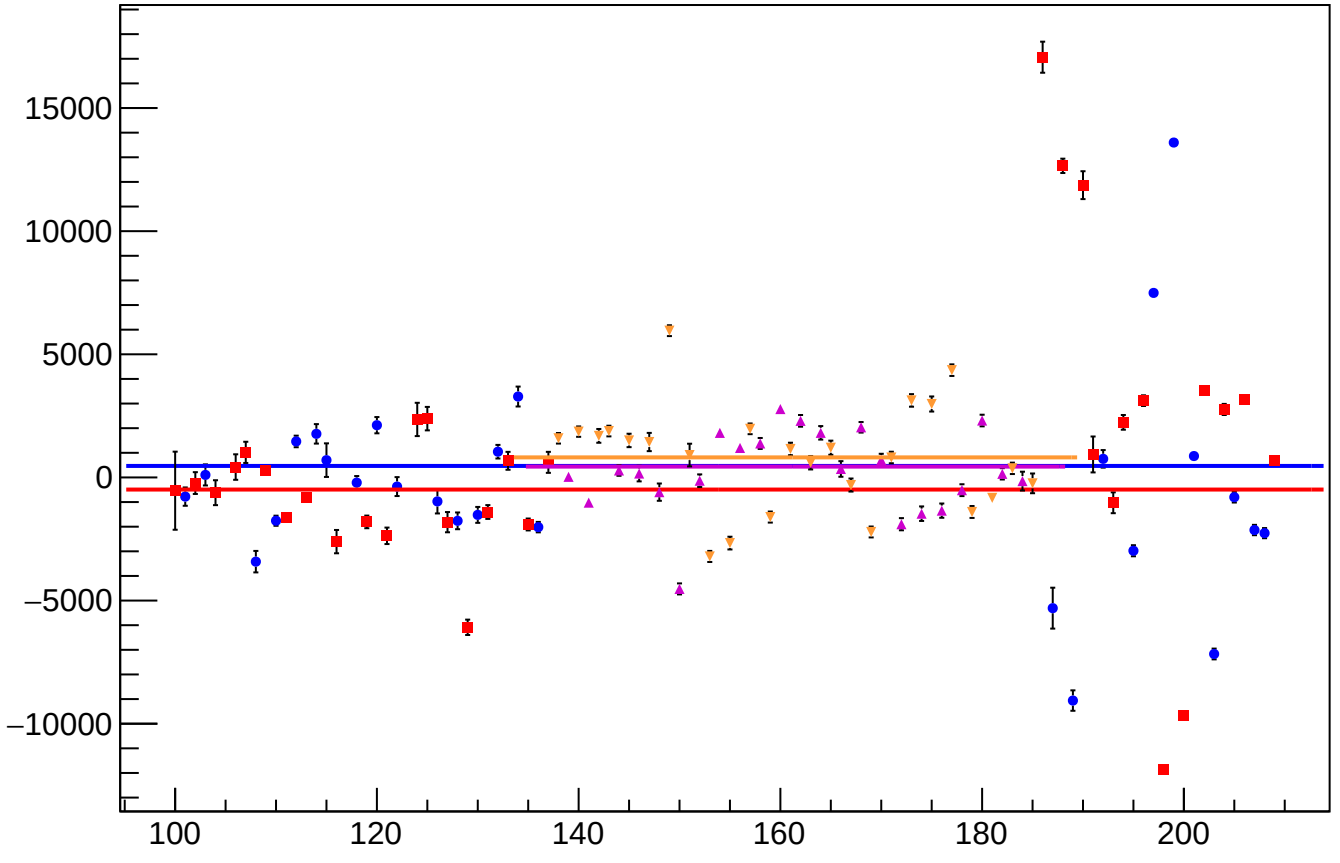
Right: 221.831+/-0.036 χ^2/NDF: 26187090.0/58

In: 211.348+/-0.029 χ^2/NDF:14219988.9/49

Out: 217.031+/-0.029 χ^2/NDF:14006514.8/56

All: 214.244+/-0.020 χ^2/NDF: 28245760.8/10

asym_bpm0l07WS_mean vs Slug, Sign Corrected



Right In: 467.142+/-52.401 χ^2/NDF: 9116.9/26

Left Out: 814.275+/-49.760 χ^2/NDF:2000.4/24

Right Out: -491.944+/-49.945 χ^2/NDF: 10675.0/31

Left In: 439.674+/-48.535 χ^2/NDF:1235.0/22

Left: 622.309+/-34.745 χ^2/NDF: 3264.4/47

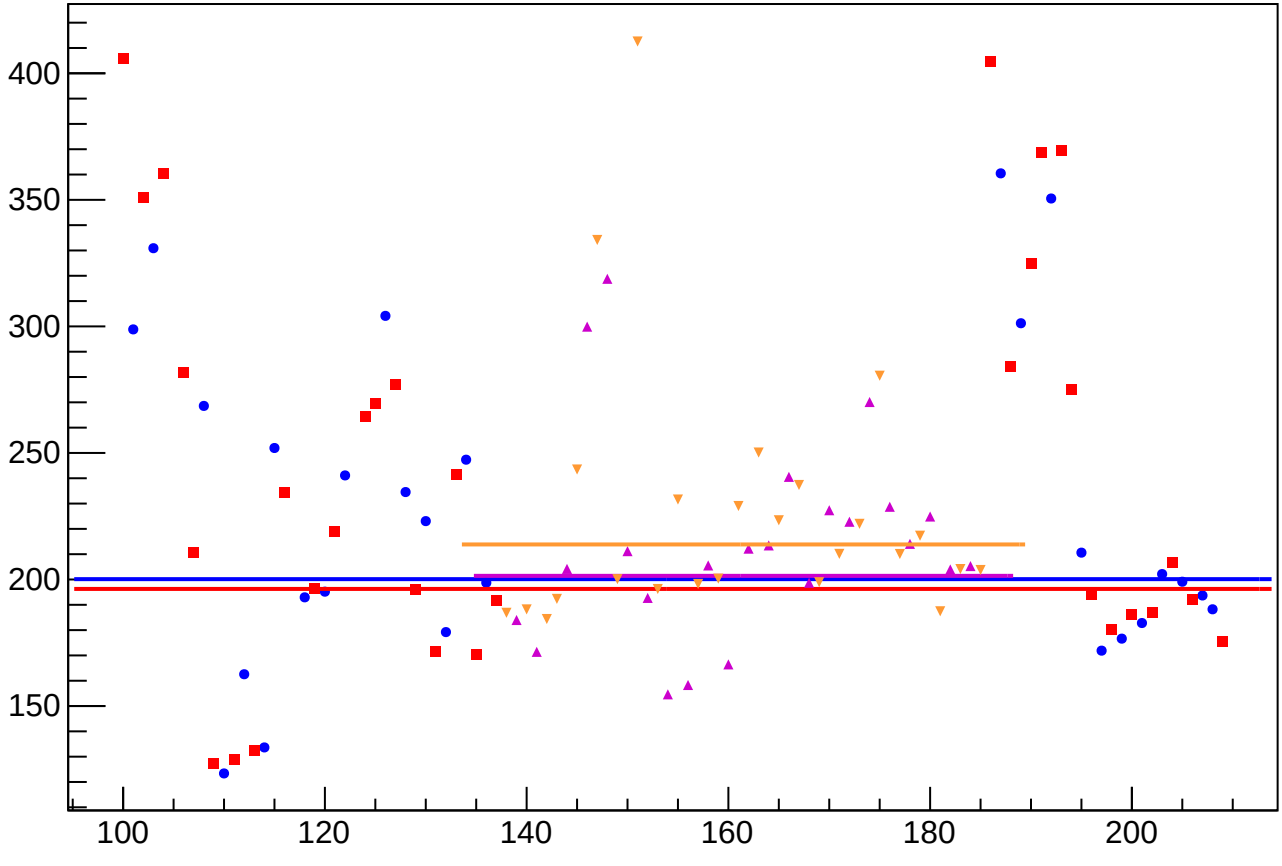
Right: -35.398+/-36.153 χ^2/NDF: 19967.4/58

In: 452.358+/-35.608 χ^2/NDF:10352.0/49

Out: 163.593+/-35.251 χ^2/NDF:13018.6/56

All: 306.520+/-25.051 χ^2/NDF: 23403.8/106

asym_bpm0l07WS_rms vs Slug, Sign Corrected



Right In: 200.140+/-0.037 χ^2/NDF: 1610619.4/26

Left Out: 213.848+/-0.035 χ^2/NDF:963582.3/24

Right Out: 196.273+/-0.035 χ^2/NDF: 2663135.1/31

Left In: 201.446+/-0.034 χ^2/NDF:1061972.3/22

Left: 207.492+/-0.025 χ^2/NDF: 2089227.0/47

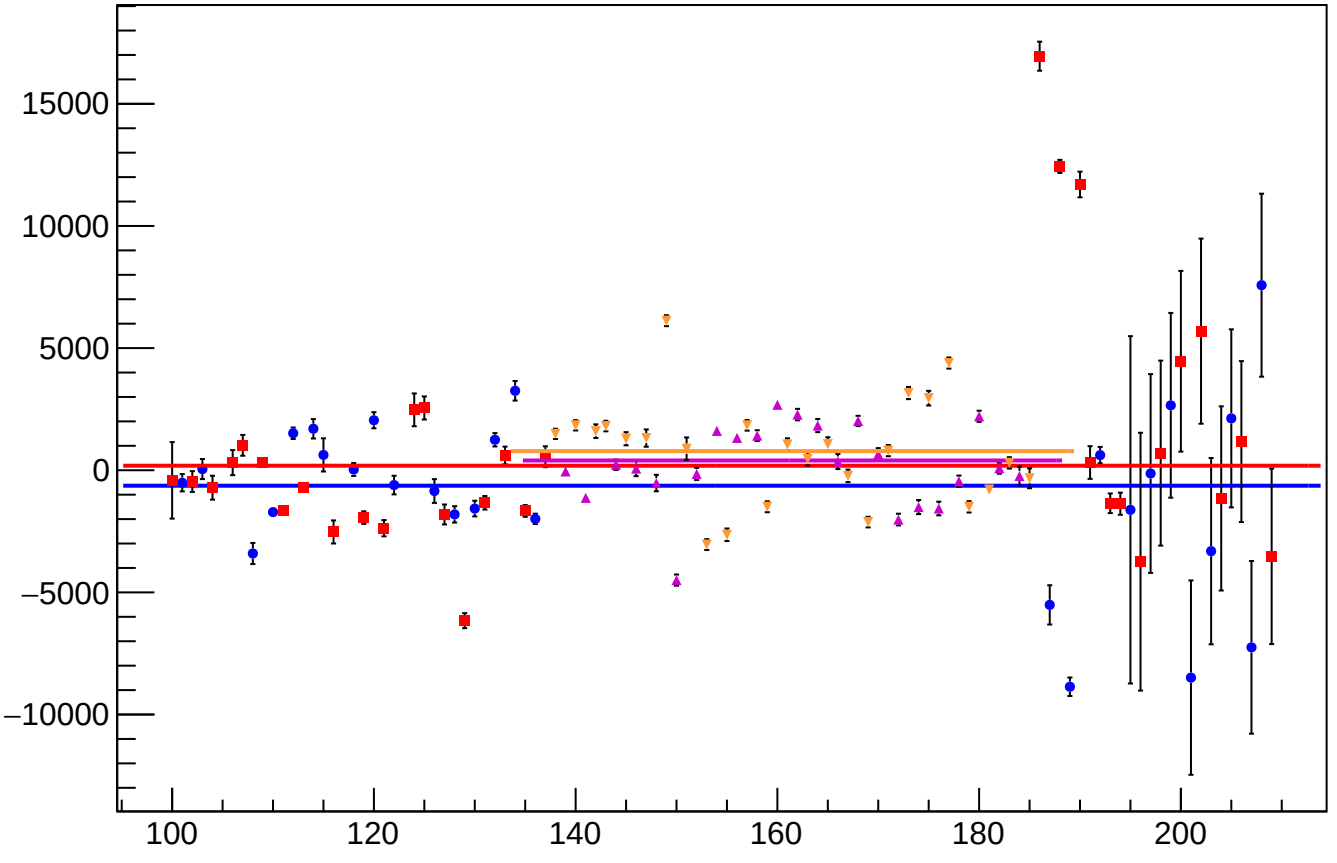
Right: 198.114+/-0.026 χ^2/NDF: 4279463.8/58

In: 200.843+/-0.025 χ^2/NDF:2673259.4/49

Out: 205.093+/-0.025 χ^2/NDF:3751007.8/56

All: 202.989+/-0.018 χ^2/NDF: 6438657.7/106

asym_bpm0l08WS_mean vs Slug, Sign Corrected



Right In: -633.171+/-73.962 χ^2/NDF: 1006.5/26

Left Out: 782.388+/-49.199 χ^2/NDF:2001.3/24

Right Out: 185.390+/-65.413 χ^2/NDF: 4277.2/31

Left In: 399.798+/-47.819 χ^2/NDF:1232.0/22

Left: 585.651+/-34.291 χ^2/NDF: 3264.4/47

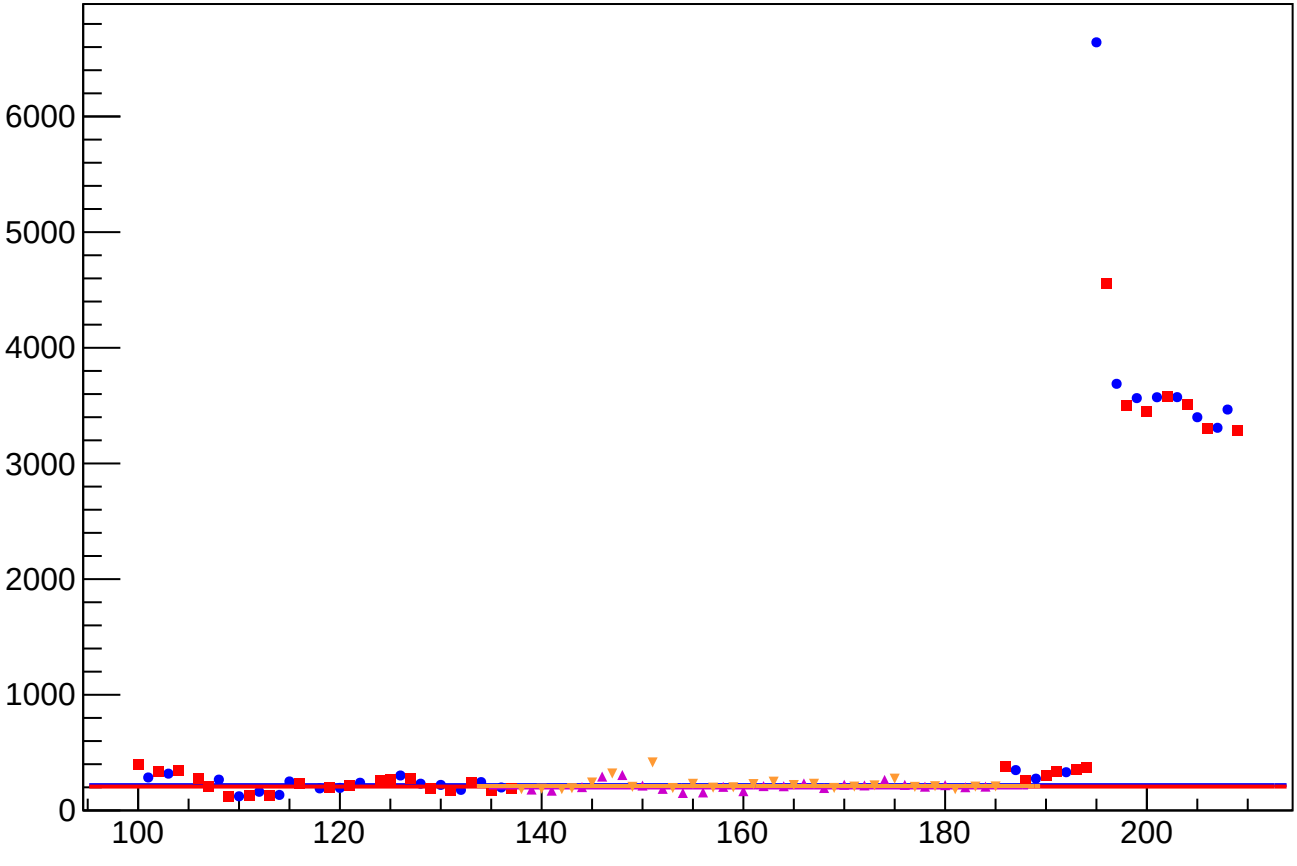
Right: -173.864+/-48.999 χ^2/NDF: 5352.5/58

In: 95.300+/-40.157 χ^2/NDF:2376.1/49

Out: 566.686+/-39.319 χ^2/NDF:6331.7/56

All: 335.963+/-28.094 χ^2/NDF: 8778.1/106

asym_bpm0l08WS_rms vs Slug, Sign Corrected



Right In: 218.975+/-0.052 χ^2/NDF: 13537238.1/26

Left Out: 211.496+/-0.035 χ^2/NDF:934978.4/24

Right Out: 206.443+/-0.046 χ^2/NDF: 13373081.4/31

Left In: 198.524+/-0.034 χ^2/NDF:1006458.6/22

Left: 204.826+/-0.024 χ^2/NDF: 2012924.3/47

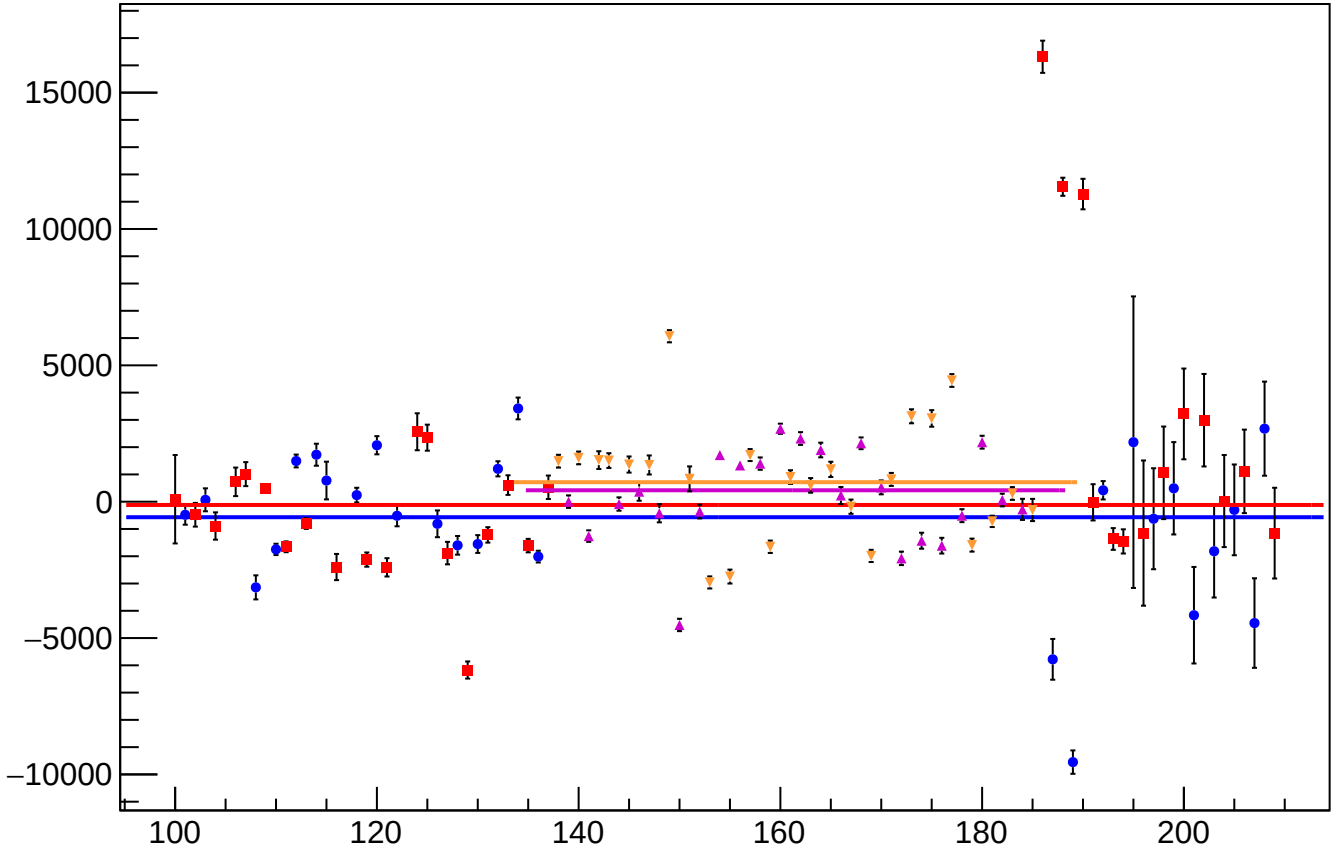
Right: 211.943+/-0.035 χ^2/NDF: 26942534.3/58

In: 204.553+/-0.028 χ^2/NDF:14651523.3/49

Out: 209.670+/-0.028 χ^2/NDF:14315680.4/56

All: 207.165+/-0.020 χ^2/NDF: 28983786.0/10

asym_bpm0l09WS_mean vs Slug, Sign Corrected



Right In: -568.737+/-74.785 χ^2/NDF: 967.5/26

Left Out: 715.643+/-51.110 χ^2/NDF:1918.0/24

Right Out: -119.791+/-66.961 χ^2/NDF: 3167.6/31

Left In: 418.574+/-49.523 χ^2/NDF:1241.0/22

Left: 562.426+/-35.566 χ^2/NDF: 3176.4/47

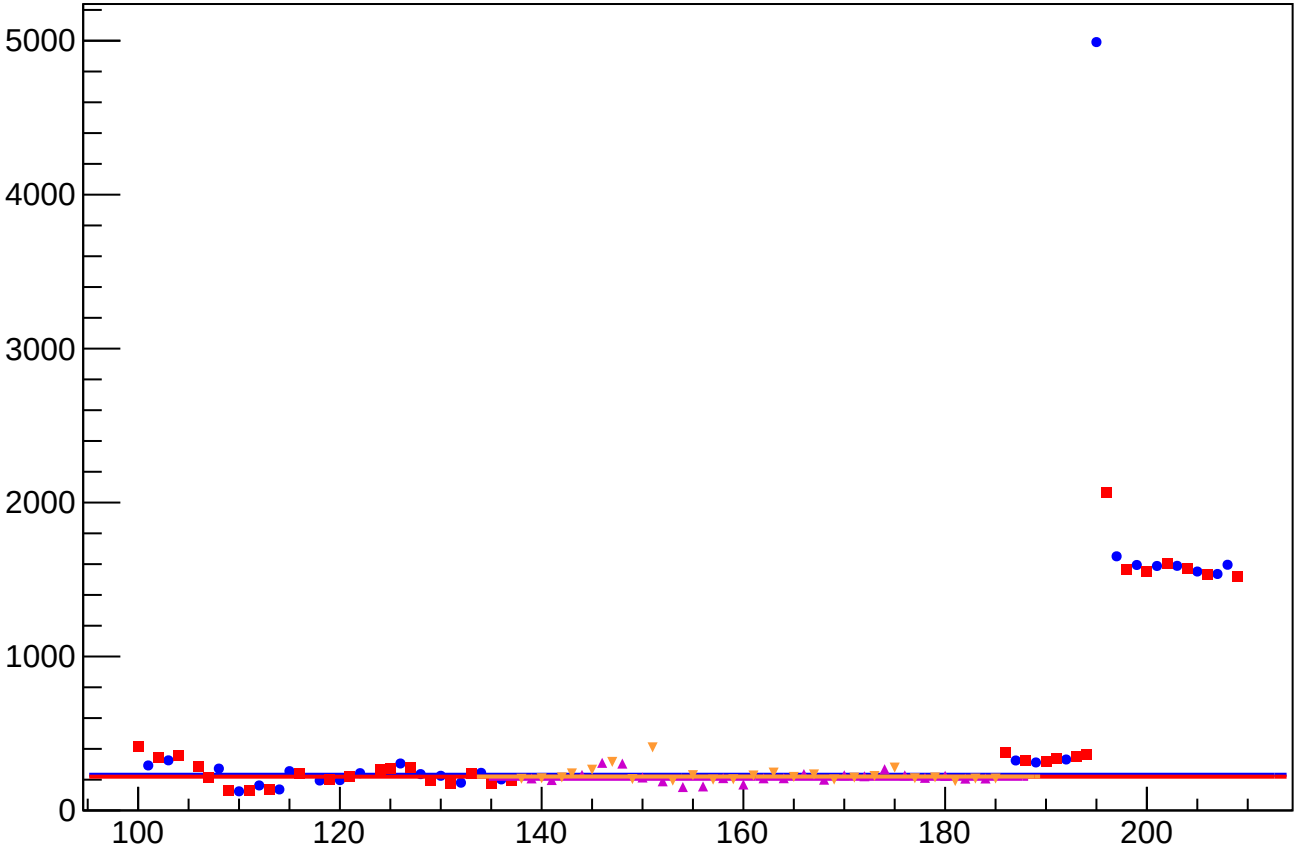
Right: -319.560+/-49.886 χ^2/NDF: 4155.1/58

In: 117.601+/-41.291 χ^2/NDF:2329.6/49

Out: 408.101+/-40.628 χ^2/NDF:5183.9/56

All: 265.202+/-28.960 χ^2/NDF: 7538.7/106

asym_bpm0l09WS_rms vs Slug, Sign Corrected



Right In: 231.984+/-0.053 χ^2/NDF: 11770907.9/26

Left Out: 220.145+/-0.036 χ^2/NDF:799699.4/24

Right Out: 219.345+/-0.047 χ^2/NDF: 11583125.9/31

Left In: 205.481+/-0.035 χ^2/NDF:1013965.4/22

Left: 212.582+/-0.025 χ^2/NDF: 1898571.5/47

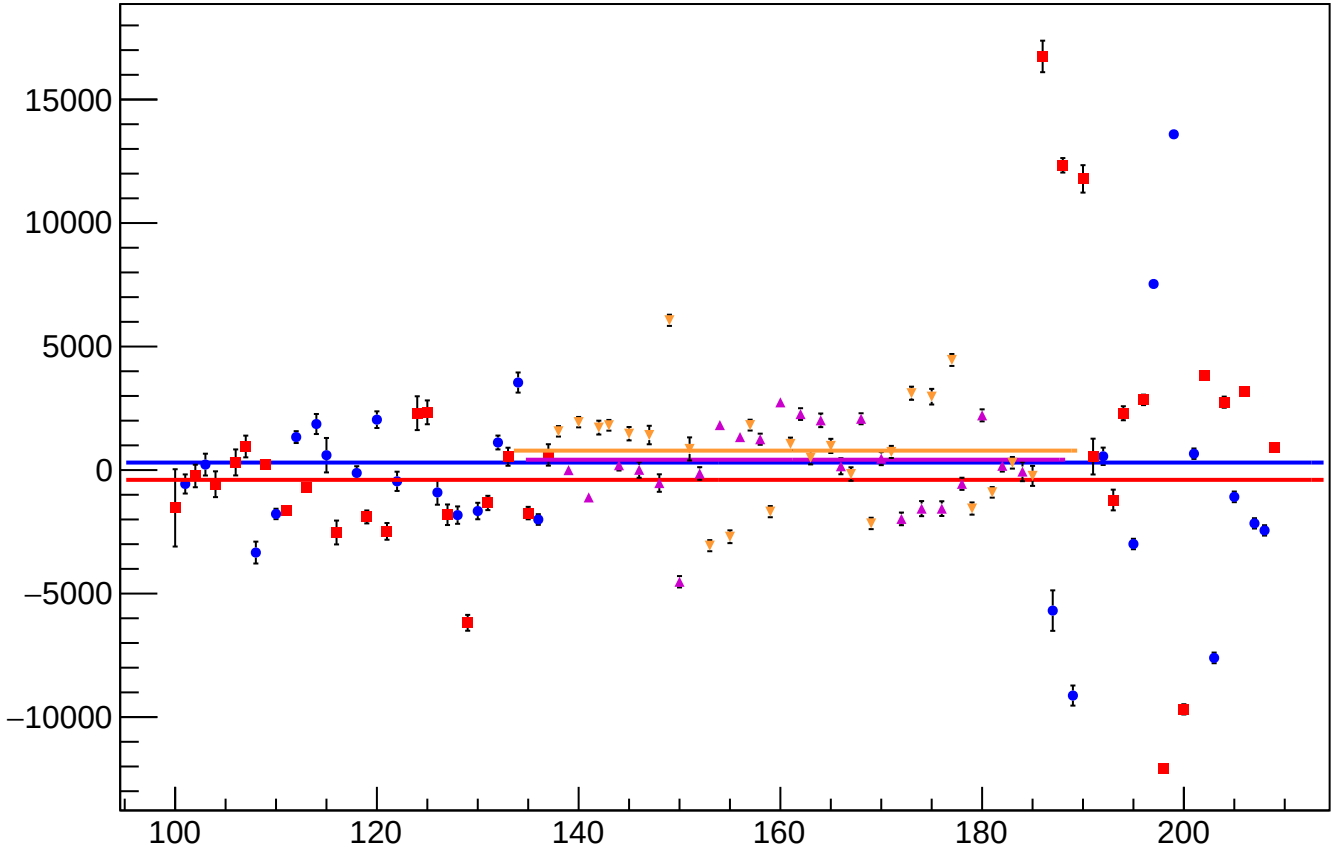
Right: 224.969+/-0.035 χ^2/NDF: 23385735.5/58

In: 213.560+/-0.029 χ^2/NDF:12959473.5/49

Out: 219.851+/-0.029 χ^2/NDF:12383005.5/56

All: 216.756+/-0.020 χ^2/NDF: 25366062.0/10

asym_bpm0l10WS_mean vs Slug, Sign Corrected



Right In: 303.435+/-52.937 χ^2/NDF: 9111.3/26

Left Out: 786.922+/-50.524 χ^2/NDF:1937.6/24

Right Out: -396.563+/-50.755 χ^2/NDF: 10327.5/31

Left In: 418.824+/-49.152 χ^2/NDF:1211.0/22

Left: 597.806+/-35.231 χ^2/NDF: 3175.8/47

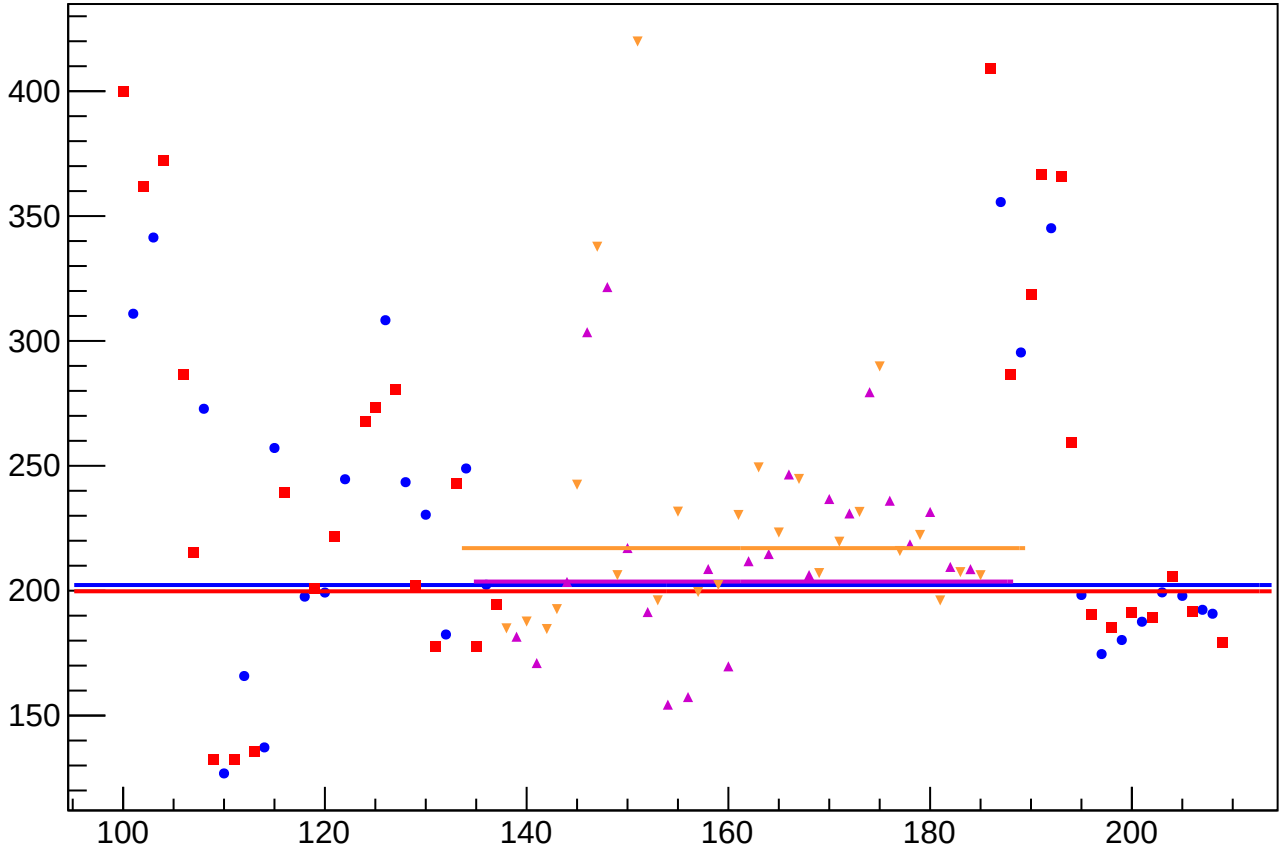
Right: -61.290+/-36.636 χ^2/NDF: 19529.9/58

In: 365.402+/-36.019 χ^2/NDF:10324.8/49

Out: 197.877+/-35.807 χ^2/NDF:12538.2/56

All: 281.145+/-25.394 χ^2/NDF: 22873.9/106

asym_bpm0l10WS_rms vs Slug, Sign Corrected



Right In: 202.266+/-0.037 χ^2/NDF: 1560153.1/26

Left Out: 217.040+/-0.036 χ^2/NDF:983170.6/24

Right Out: 199.754+/-0.036 χ^2/NDF: 2503948.2/31

Left In: 203.660+/-0.035 χ^2/NDF:1165334.8/22

Left: 210.166+/-0.025 χ^2/NDF: 2220567.5/47

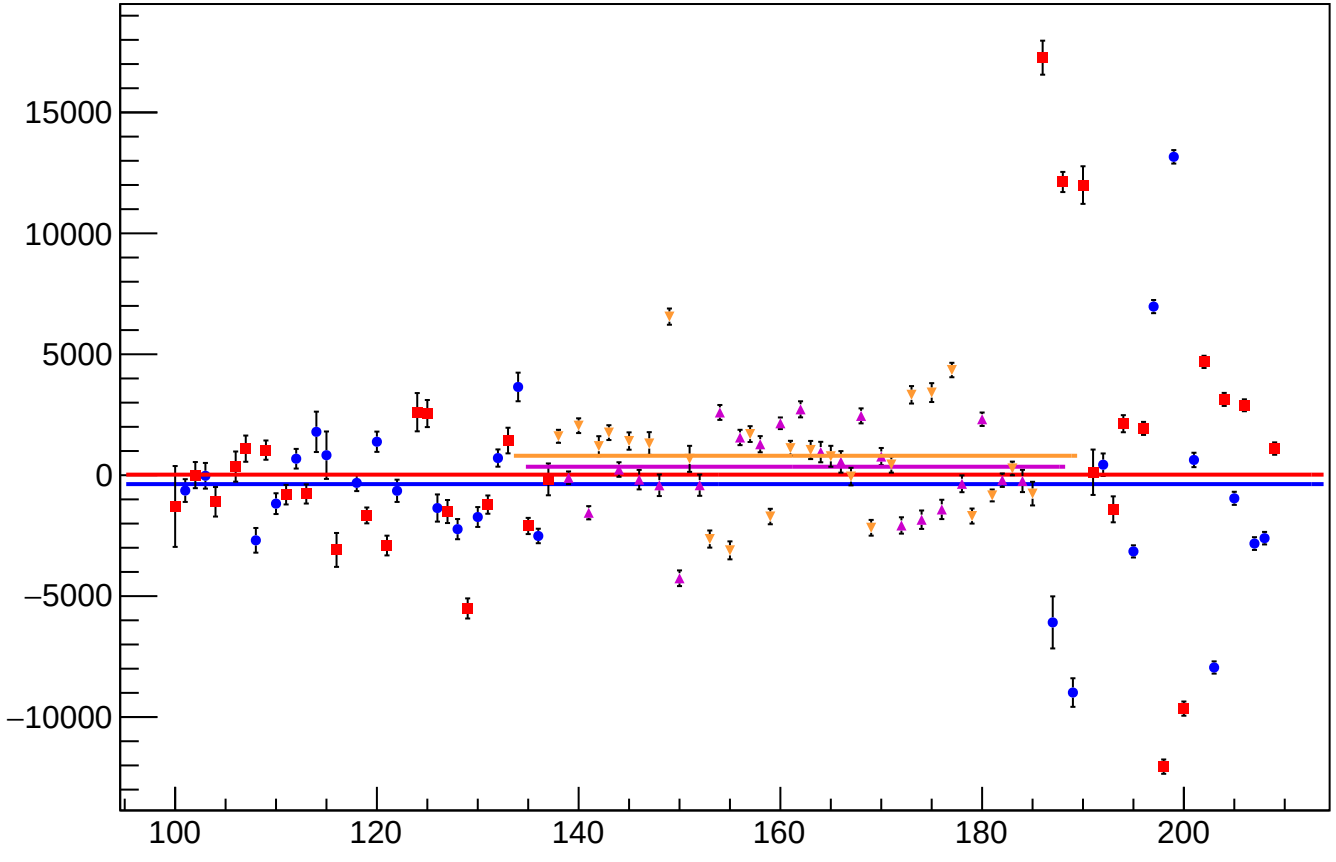
Right: 200.957+/-0.026 χ^2/NDF: 4066448.4/58

In: 203.015+/-0.025 χ^2/NDF:2726232.8/49

Out: 208.436+/-0.025 χ^2/NDF:3603645.9/56

All: 205.741+/-0.018 χ^2/NDF: 6352668.3/106

asym_bpm0r03WS_mean vs Slug, Sign Corrected



Right In: -368.431+/-70.392 χ^2/NDF: 4717.7/26

Left Out: 803.752+/-67.693 χ^2/NDF:1057.7/24

Right Out: 23.130+/-69.819 χ^2/NDF: 5544.2/31

Left In: 350.095+/-68.985 χ^2/NDF:656.1/22

Left: 581.210+/-48.316 χ^2/NDF: 1735.8/47

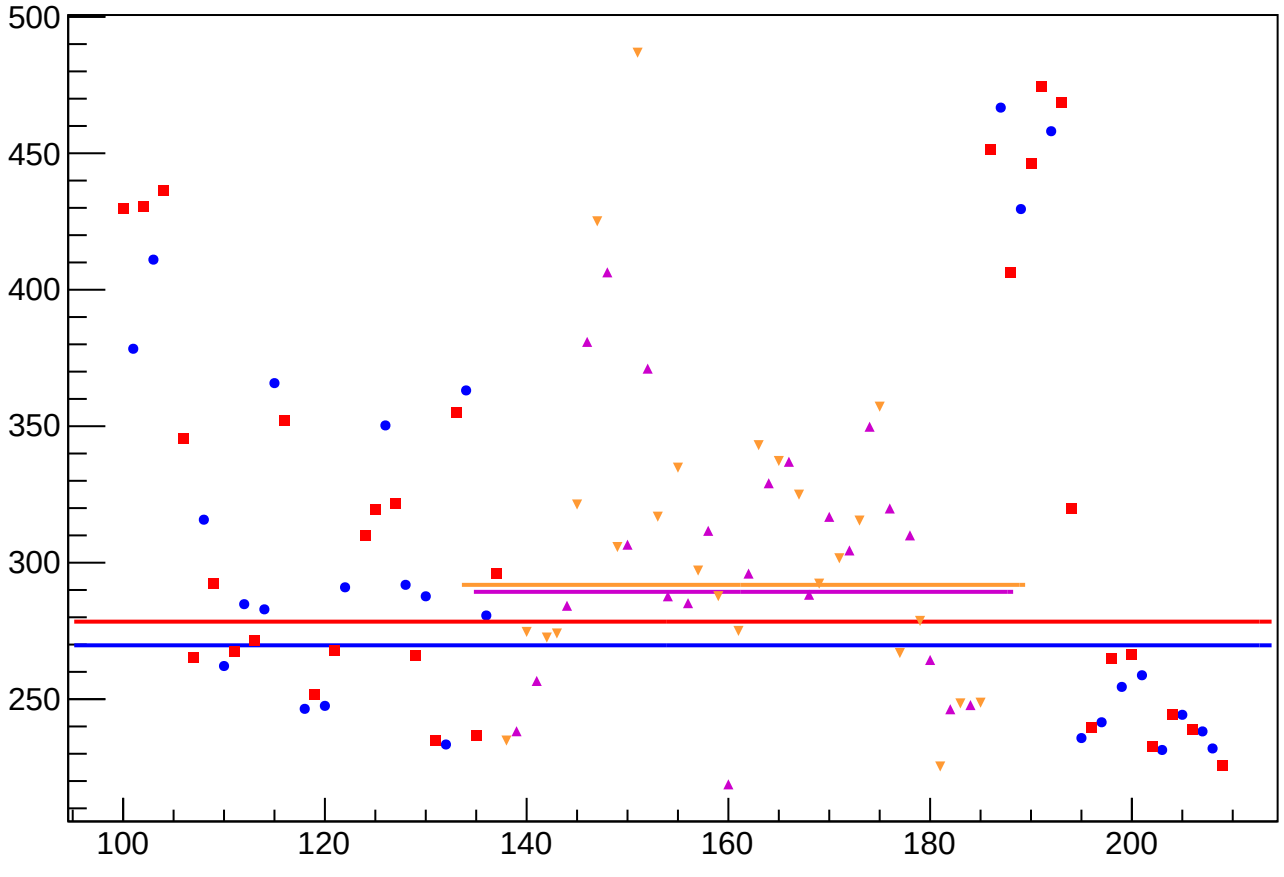
Right: -171.051+/-49.571 χ^2/NDF: 10277.5/58

In: -1.915+/-49.269 χ^2/NDF:5427.0/49

Out: 425.506+/-48.600 χ^2/NDF:6666.3/56

All: 214.718+/-34.600 χ^2/NDF: 12131.5/106

asym_bpm0r03WS_rms vs Slug, Sign Corrected



Right In: 269.728+/-0.050 χ^2/NDF: 1172222.4/26

Left Out: 291.882+/-0.048 χ^2/NDF:959919.3/24

Right Out: 278.400+/-0.049 χ^2/NDF: 1557767.0/31

Left In: 289.321+/-0.049 χ^2/NDF:808605.3/22

Left: 290.626+/-0.034 χ^2/NDF: 1769929.4/47

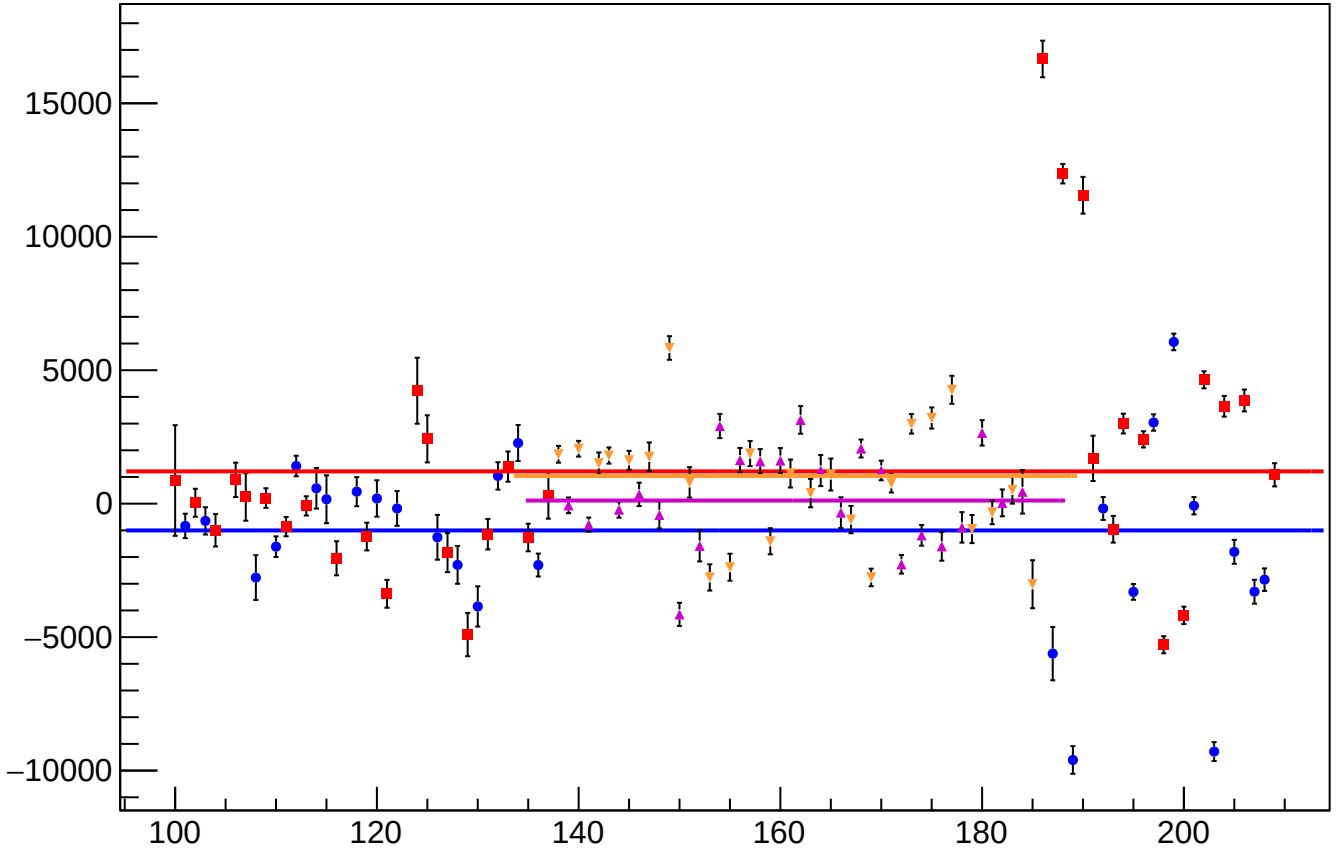
Right: 274.100+/-0.035 χ^2/NDF: 2745290.7/58

In: 279.722+/-0.035 χ^2/NDF:2059861.7/49

Out: 285.350+/-0.034 χ^2/NDF:2556125.9/56

All: 282.575+/-0.024 χ^2/NDF: 4629211.2/106

asym_bpm0r05WS_mean vs Slug, Sign Corrected



Right In: -1003.243+/-88.852 χ^2/NDF: 1788.0/26

Left Out: 1037.330+/-85.200 χ^2/NDF:570.2/24

Right Out: 1209.597+/-83.999 χ^2/NDF: 2936.7/31

Left In: 117.211+/-87.461 χ^2/NDF:370.4/22

Left: 589.317+/-61.029 χ^2/NDF: 997.4/47

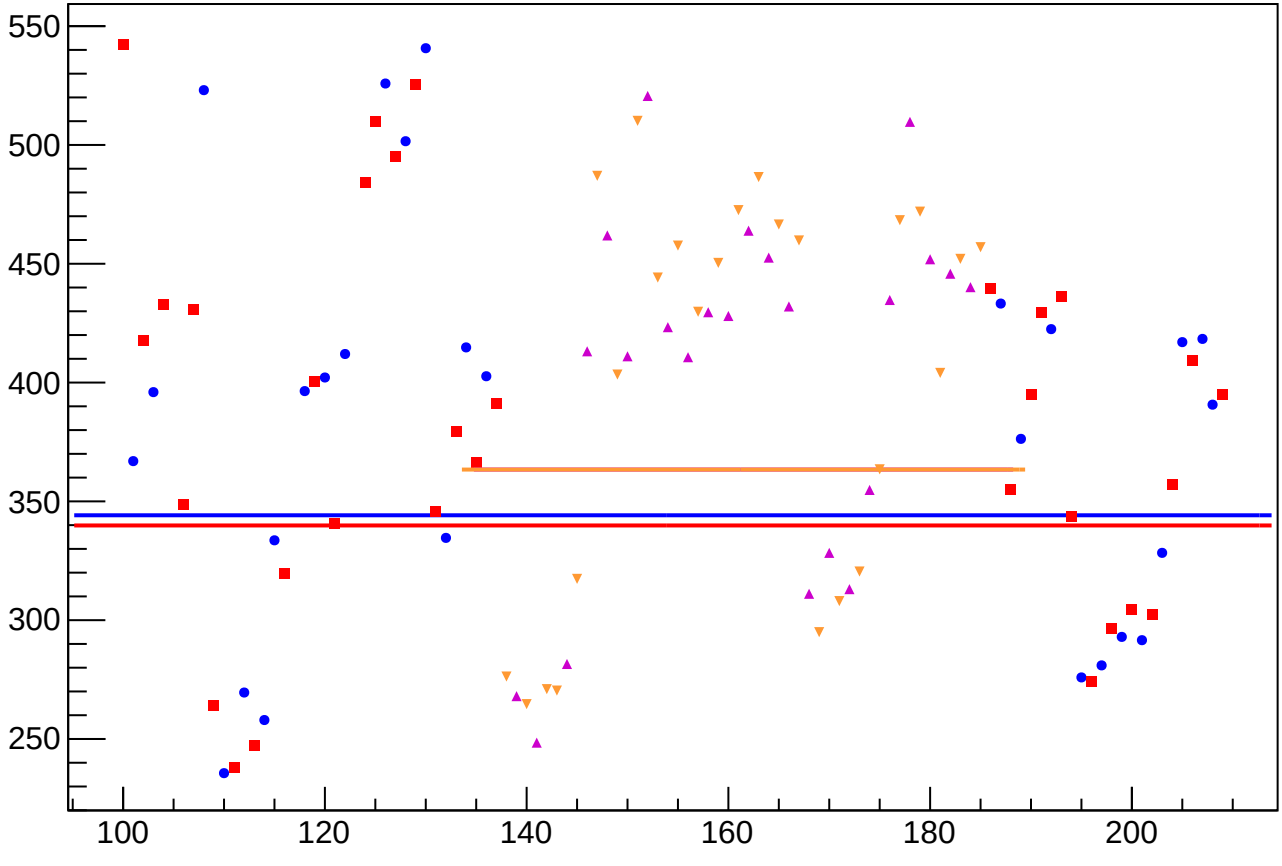
Right: 165.255+/-61.040 χ^2/NDF: 5052.2/58

In: -434.175+/-62.330 χ^2/NDF:2239.1/49

Out: 1124.686+/-59.817 χ^2/NDF:3508.9/56

All: 377.324+/-43.158 χ^2/NDF: 6073.7/106

asym_bpm0r05WS_rms vs Slug, Sign Corrected



Right In: 344.147+/-0.063 χ^2/NDF: 1344096.0/26

Left Out: 363.387+/-0.060 χ^2/NDF:1940497.4/24

Right Out: 339.862+/-0.059 χ^2/NDF: 1286559.3/31

Left In: 363.386+/-0.062 χ^2/NDF:1711599.2/22

Left: 363.387+/-0.043 χ^2/NDF: 3652096.5/47

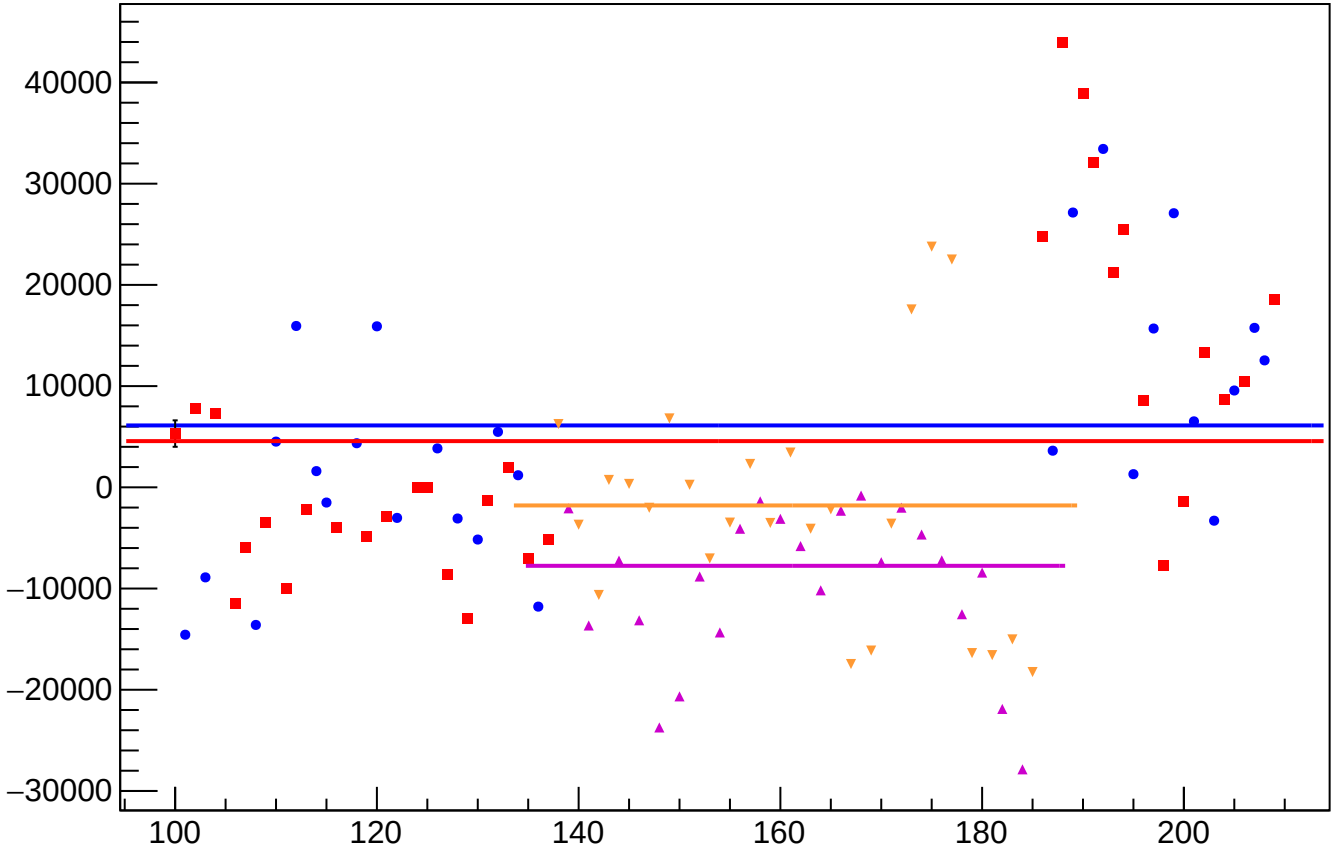
Right: 341.884+/-0.043 χ^2/NDF: 2633111.3/58

In: 353.918+/-0.044 χ^2/NDF:3103322.5/49

Out: 351.457+/-0.042 χ^2/NDF:3304378.9/56

All: 352.637+/-0.031 χ^2/NDF: 6409324.2/106

asym_bpm0i02WS_mean vs Slug, Sign Corrected



Right In: 6114.570+/-40.982 χ^2/NDF: 93550.3/26

Left Out: -1790.289+/-40.910 χ^2/NDF:65745.9/24

Right Out: 4565.228+/-38.877 χ^2/NDF: 142258.0/31

Left In: -7754.468+/-42.571 χ^2/NDF:23278.0/22

Left: -4653.749+/-29.498 χ^2/NDF: 99228.2/47

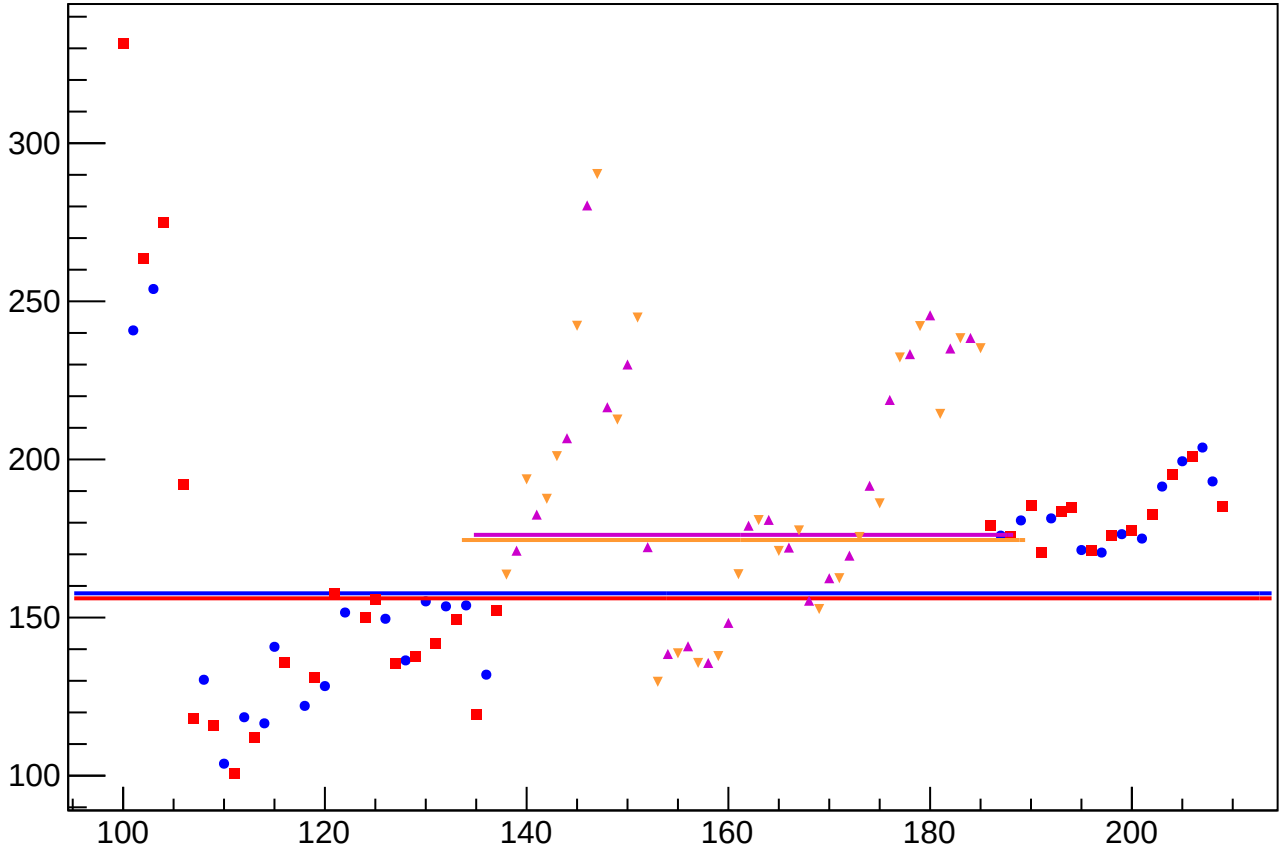
Right: 5299.082+/-28.205 χ^2/NDF: 236560.5/58

In: -556.329+/-29.525 χ^2/NDF:171913.7/49

Out: 1549.302+/-28.182 χ^2/NDF:220685.8/56

All: 545.468+/-20.386 χ^2/NDF: 395260.9/106

asym_bpm0i02WS_rms vs Slug, Sign Corrected



Right In: 157.667+/-0.029 χ^2/NDF: 1290978.0/26

Left Out: 174.520+/-0.029 χ^2/NDF:1659469.6/24

Right Out: 156.079+/-0.027 χ^2/NDF: 1653607.6/31

Left In: 176.155+/-0.030 χ^2/NDF:1367059.2/22

Left: 175.305+/-0.021 χ^2/NDF: 3028060.8/47

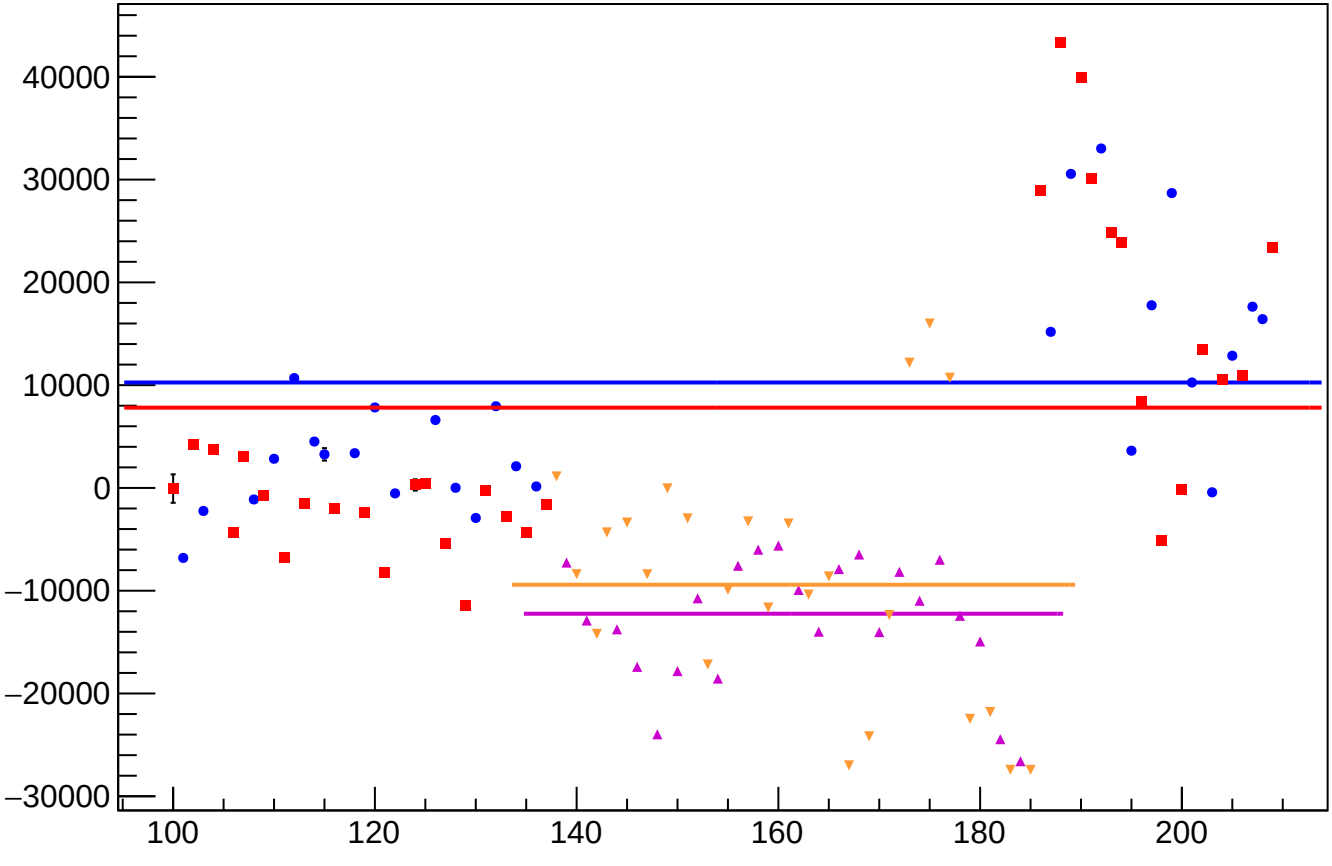
Right: 156.831+/-0.020 χ^2/NDF: 2946167.4/58

In: 166.559+/-0.021 χ^2/NDF:2853795.6/49

Out: 164.830+/-0.020 χ^2/NDF:3526638.6/56

All: 165.654+/-0.014 χ^2/NDF: 6384025.4/106

asym_bpm0i02aWS_mean vs Slug, Sign Corrected



Right In: 10259.986+/-45.655 χ^2/NDF: 53859.4/26

Left Out: -9420.181+/-45.698 χ^2/NDF:64719.0/24

Right Out: 7813.090+/-43.140 χ^2/NDF: 113024.2/31

Left In: -12238.678+/-44.195 χ^2/NDF:16015.8/22

Left: -10876.538+/-31.769 χ^2/NDF: 82700.4/47

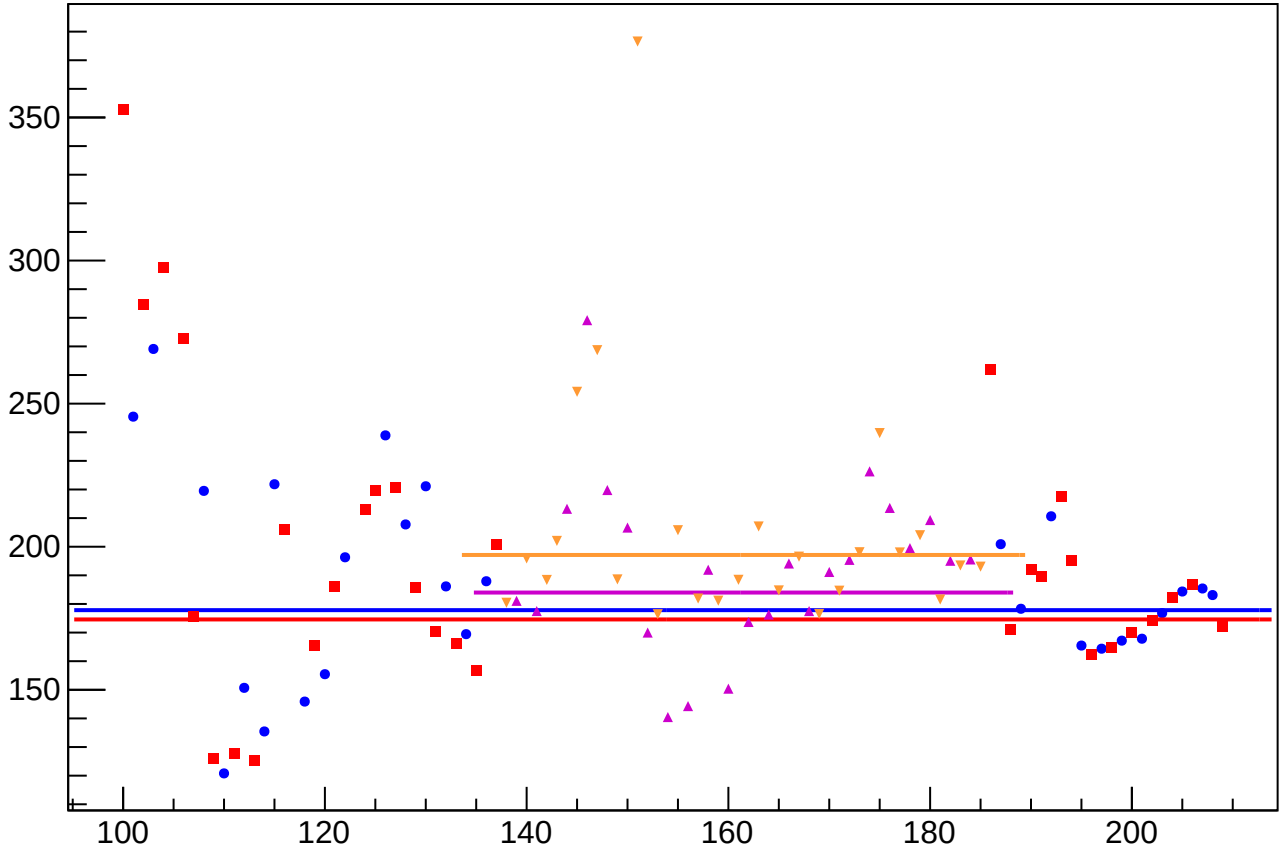
Right: 8967.293+/-31.356 χ^2/NDF: 168401.1/58

In: -1354.844+/-31.754 χ^2/NDF:195244.6/49

Out: -307.804+/-31.370 χ^2/NDF:252941.3/56

All: -824.951+/-22.317 χ^2/NDF: 448736.2/10

asym_bpm0i02aWS_rms vs Slug, Sign Corrected



Right In: 177.837+/-0.032 χ^2/NDF: 767214.0/26

Left Out: 197.122+/-0.032 χ^2/NDF:732529.8/24

Right Out: 174.588+/-0.031 χ^2/NDF: 1206504.4/31

Left In: 183.985+/-0.031 χ^2/NDF:829778.1/22

Left: 190.334+/-0.022 χ^2/NDF: 1647711.2/47

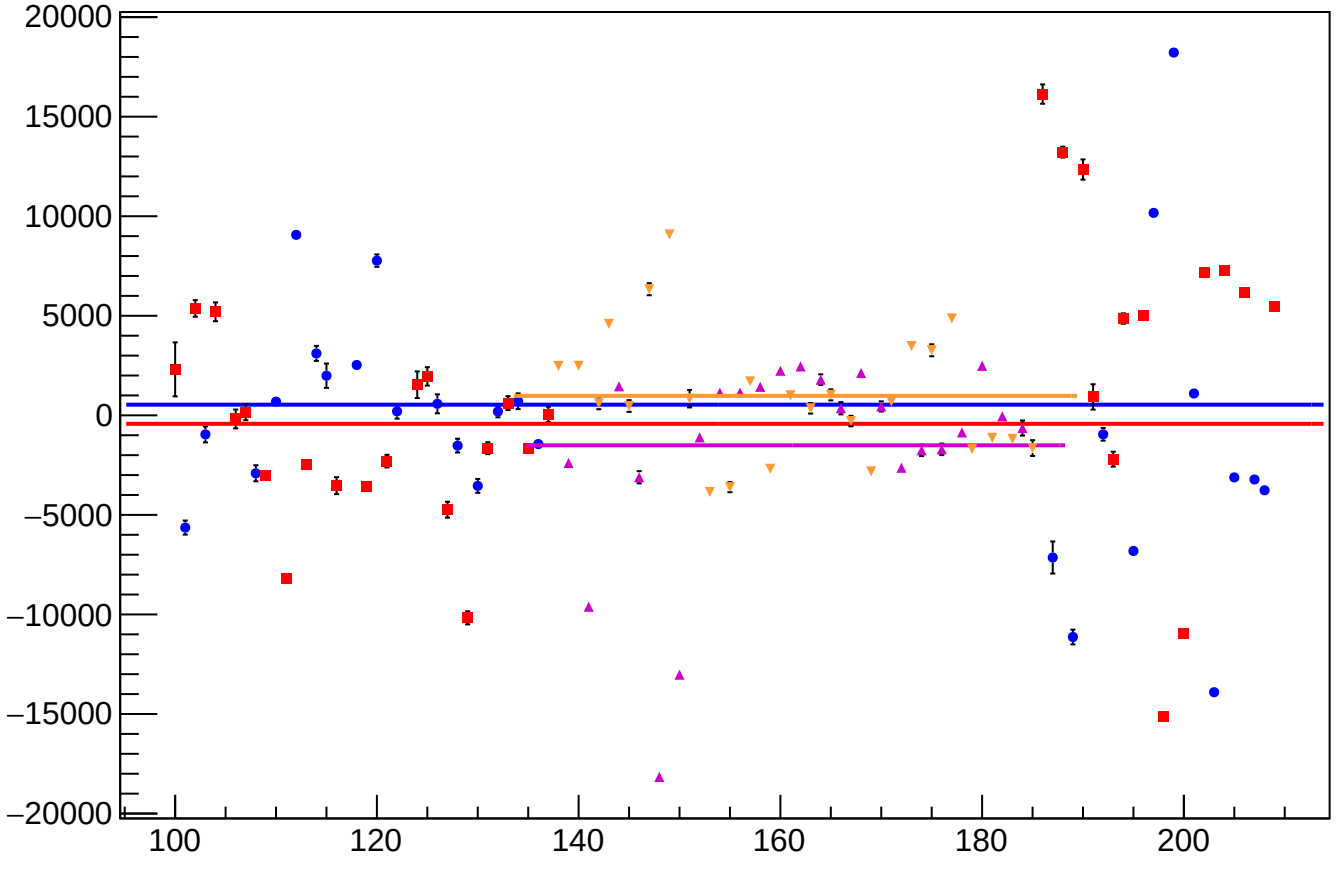
Right: 176.121+/-0.022 χ^2/NDF: 1979069.6/58

In: 181.011+/-0.022 χ^2/NDF:1615715.6/49

Out: 185.207+/-0.022 χ^2/NDF:2196180.0/56

All: 183.135+/-0.016 χ^2/NDF: 3829567.7/106

asym_bpm0i05WS_mean vs Slug, Sign Corrected



Right In: 534.773+/-51.402 χ^2/NDF: 21456.6/26

Left Out: 978.429+/-49.607 χ^2/NDF:4322.9/24

Right Out: -425.642+/-48.657 χ^2/NDF: 21807.6/31

Left In: -1505.093+/-48.051 χ^2/NDF:11480.6/22

Left: -302.894+/-34.514 χ^2/NDF: 17096.7/47

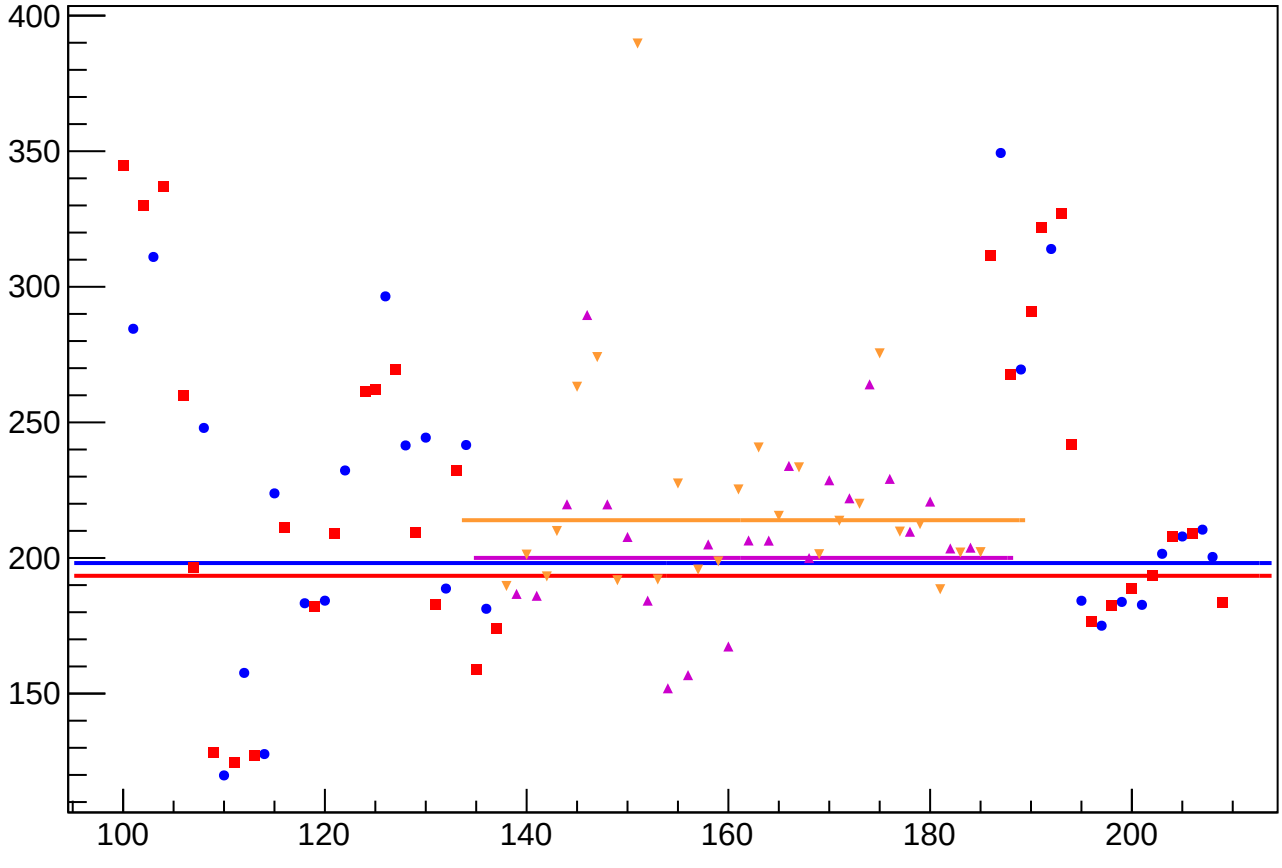
Right: 28.234+/-35.336 χ^2/NDF: 43448.2/58

In: -553.819+/-35.102 χ^2/NDF:33777.6/49

Out: 262.817+/-34.736 χ^2/NDF:26538.8/56

All: -141.227+/-24.691 χ^2/NDF: 60589.9/106

asym_bpm0i05WS_rms vs Slug, Sign Corrected



Right In: 198.132+/-0.036 χ^2/NDF: 1451723.3/26

Left Out: 213.931+/-0.035 χ^2/NDF:733638.6/24

Right Out: 193.427+/-0.034 χ^2/NDF: 2259369.8/31

Left In: 200.031+/-0.034 χ^2/NDF:785525.4/22

Left: 206.759+/-0.024 χ^2/NDF: 1600185.7/47

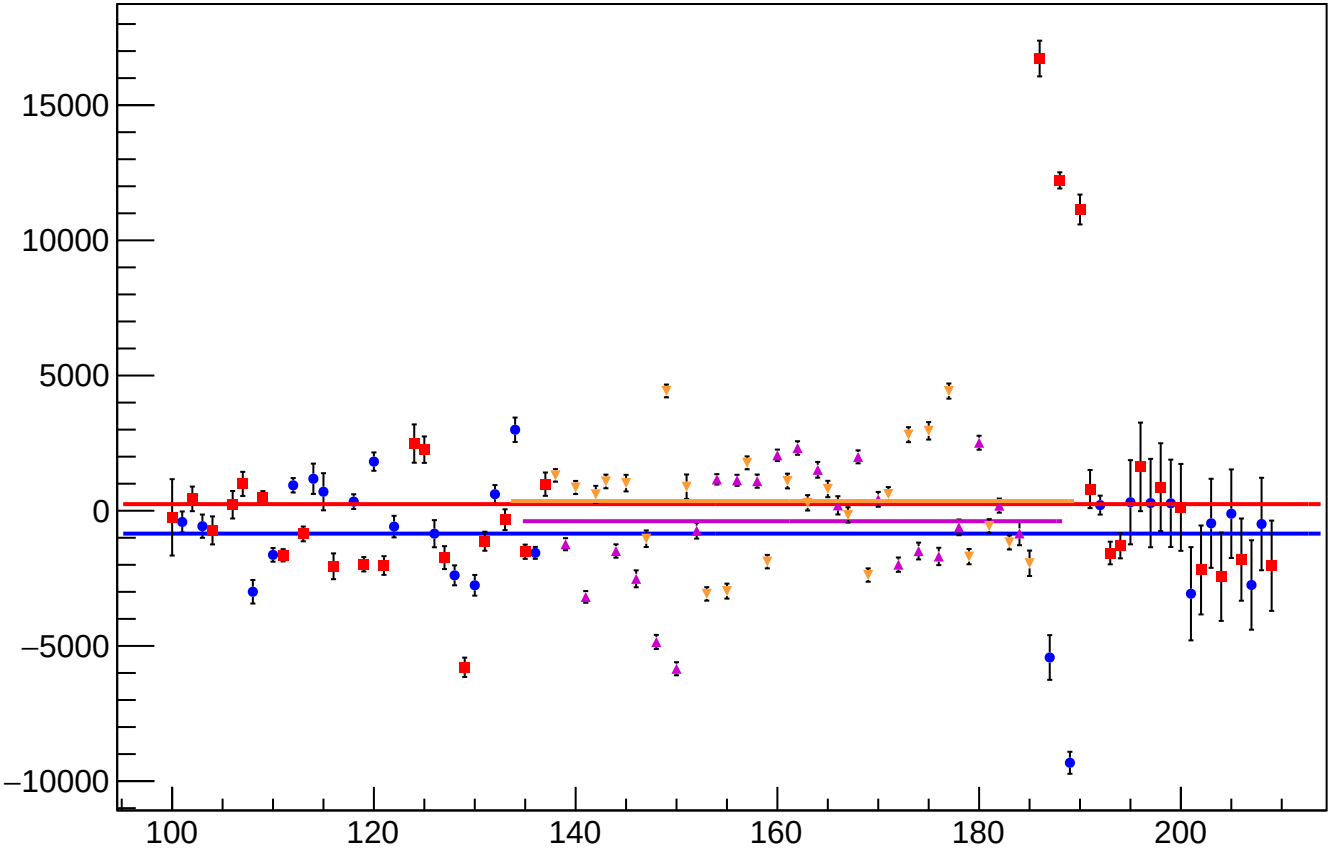
Right: 195.650+/-0.025 χ^2/NDF: 3719928.5/58

In: 199.145+/-0.025 χ^2/NDF:2238705.5/49

Out: 203.481+/-0.025 χ^2/NDF:3167153.4/56

All: 201.336+/-0.017 χ^2/NDF: 5421276.6/106

asym_bpm0i07WS_mean vs Slug, Sign Corrected



Right In: -845.946+/-81.195 χ^2/NDF: 801.1/26

Left Out: 358.680+/-54.992 χ^2/NDF:1418.9/24

Right Out: 244.428+/-73.639 χ^2/NDF: 3277.6/31

Left In: -386.941+/-53.528 χ^2/NDF:1804.2/22

Left: -24.183+/-38.357 χ^2/NDF: 3317.4/47

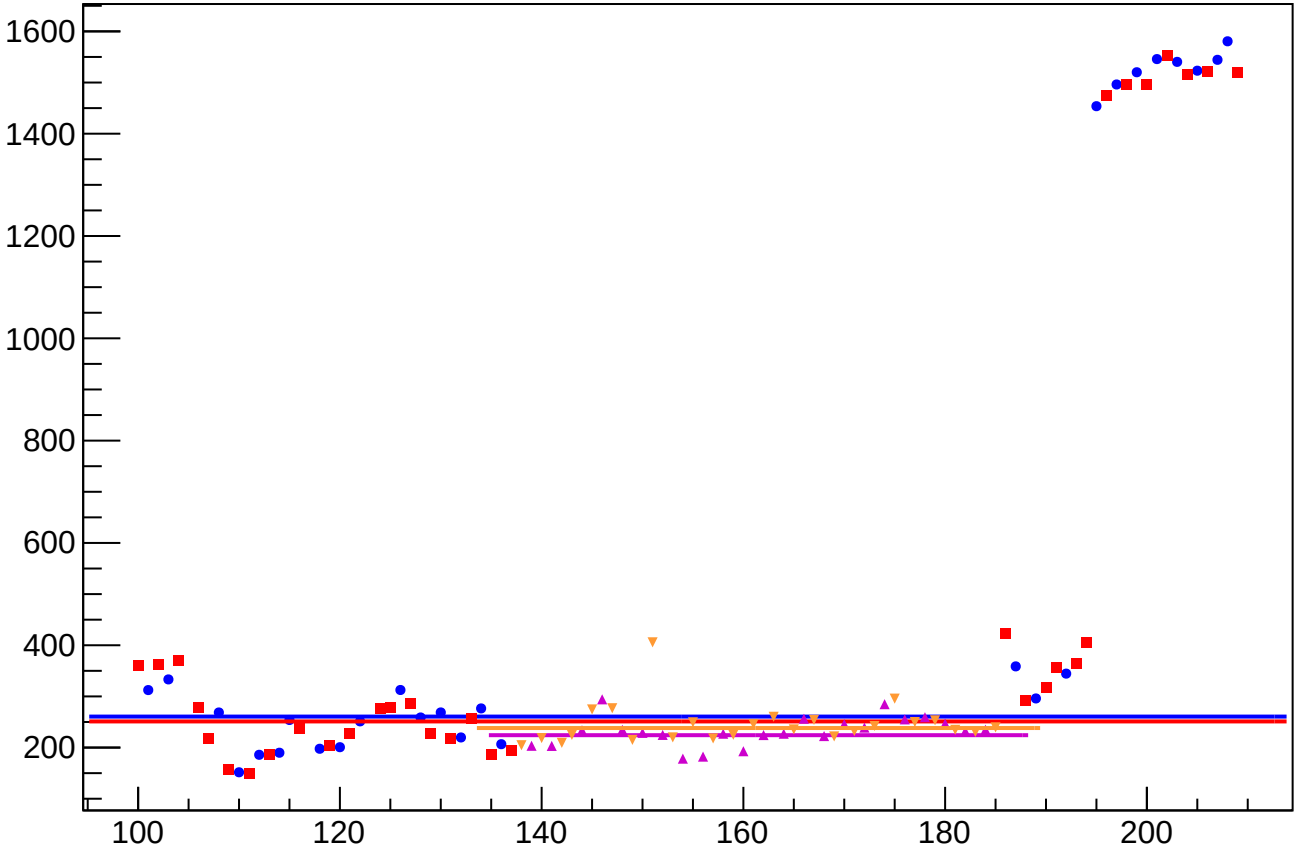
Right: -247.672+/-54.547 χ^2/NDF: 4177.6/58

In: -525.997+/-44.690 χ^2/NDF:2627.5/49

Out: 317.776+/-44.061 χ^2/NDF:4698.0/56

All: -98.129+/-31.376 χ^2/NDF: 7506.2/106

asym_bpm0i07WS_rms vs Slug, Sign Corrected



Right In: 260.570+/-0.057 χ^2/NDF: 10594035.2/26

Left Out: 238.199+/-0.039 χ^2/NDF:567935.3/24

Right Out: 251.106+/-0.052 χ^2/NDF: 10524294.3/31

Left In: 224.212+/-0.038 χ^2/NDF:563231.1/22

Left: 231.017+/-0.027 χ^2/NDF: 1197606.4/47

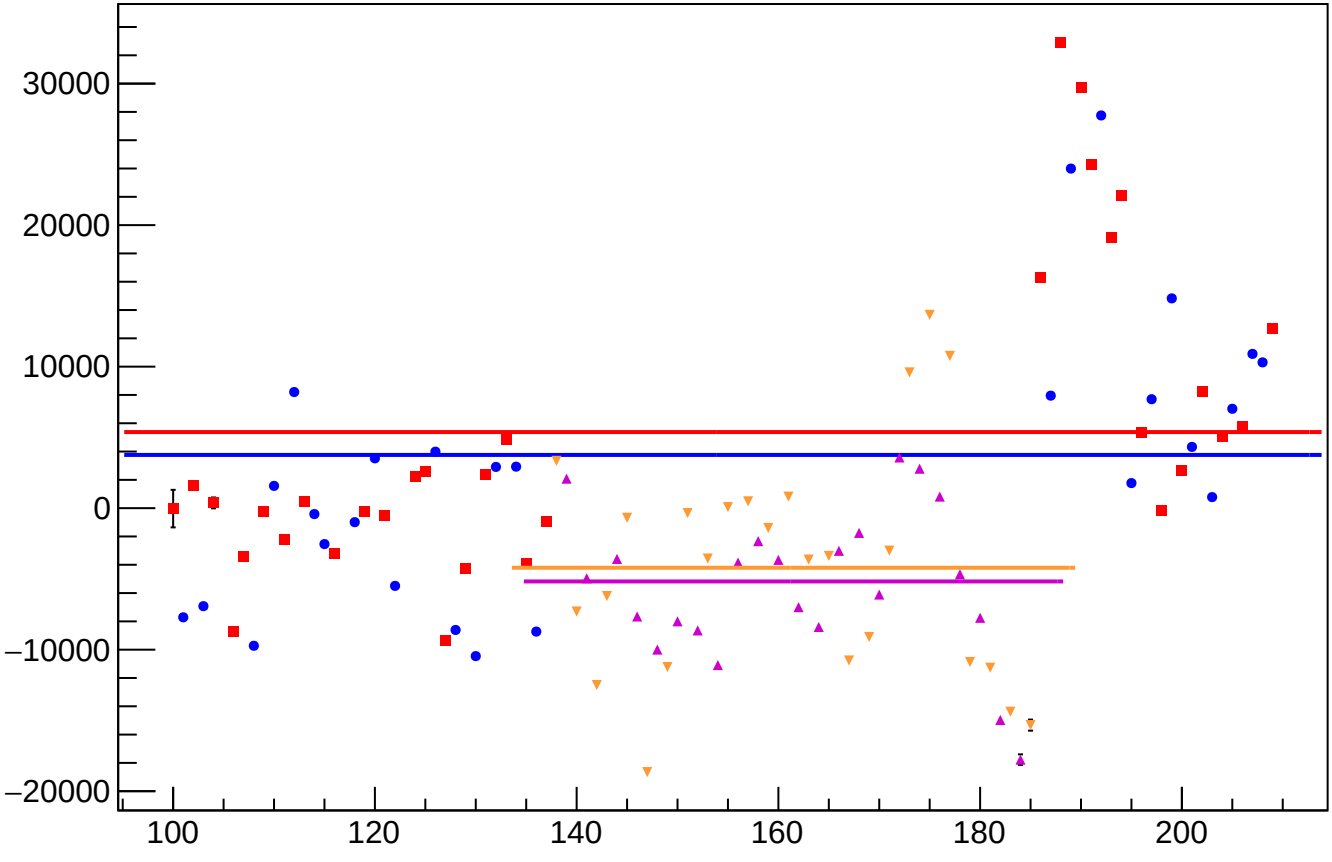
Right: 255.377+/-0.039 χ^2/NDF: 21133238.3/58

In: 235.227+/-0.032 χ^2/NDF:11436803.1/49

Out: 242.820+/-0.031 χ^2/NDF:11131674.2/56

All: 239.077+/-0.022 χ^2/NDF: 22597756.8/10

asym_bpm1i02WS_mean vs Slug, Sign Corrected



Right In: 3761.806+/-34.789 χ^2/NDF: 79372.0/26

Left Out: -4210.601+/-30.828 χ^2/NDF:56802.7/24

Right Out: 5377.094+/-32.812 χ^2/NDF: 104709.2/31

Left In: -5178.213+/-31.969 χ^2/NDF:18541.3/22

Left: -4676.831+/-22.191 χ^2/NDF: 75818.6/47

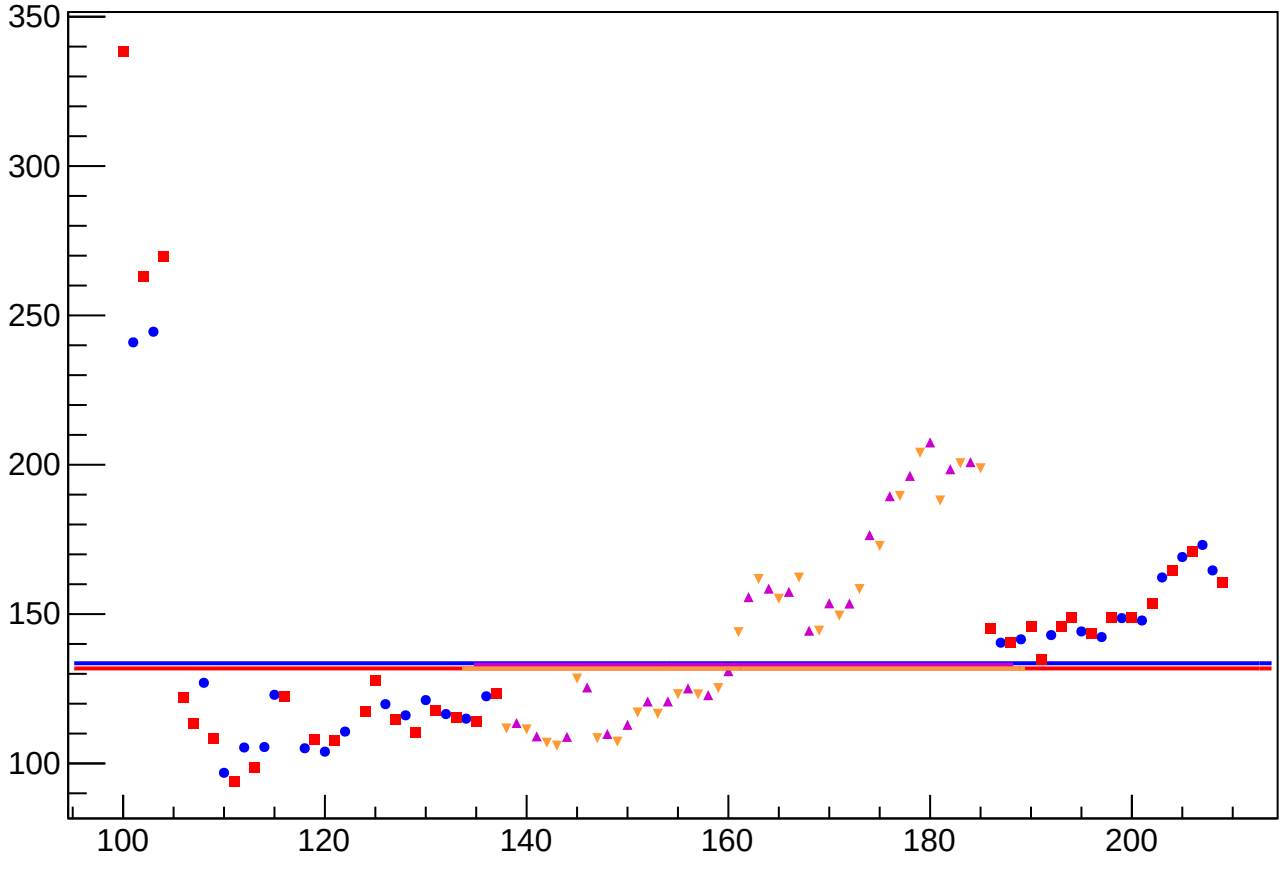
Right: 4616.649+/-23.870 χ^2/NDF: 185222.1/58

In: -1085.115+/-23.539 χ^2/NDF:133716.7/49

Out: 284.700+/-22.467 χ^2/NDF:206861.5/56

All: -368.305+/-16.253 χ^2/NDF: 342350.3/10

asym_bpm1i02WS_rms vs Slug, Sign Corrected



Right In: 133.541+/-0.025 χ^2/NDF: 1285490.1/26

Left Out: 131.798+/-0.022 χ^2/NDF:1544340.3/24

Right Out: 131.804+/-0.023 χ^2/NDF: 1500924.7/31

Left In: 133.061+/-0.023 χ^2/NDF:1418252.2/22

Left: 132.406+/-0.016 χ^2/NDF: 2964211.9/47

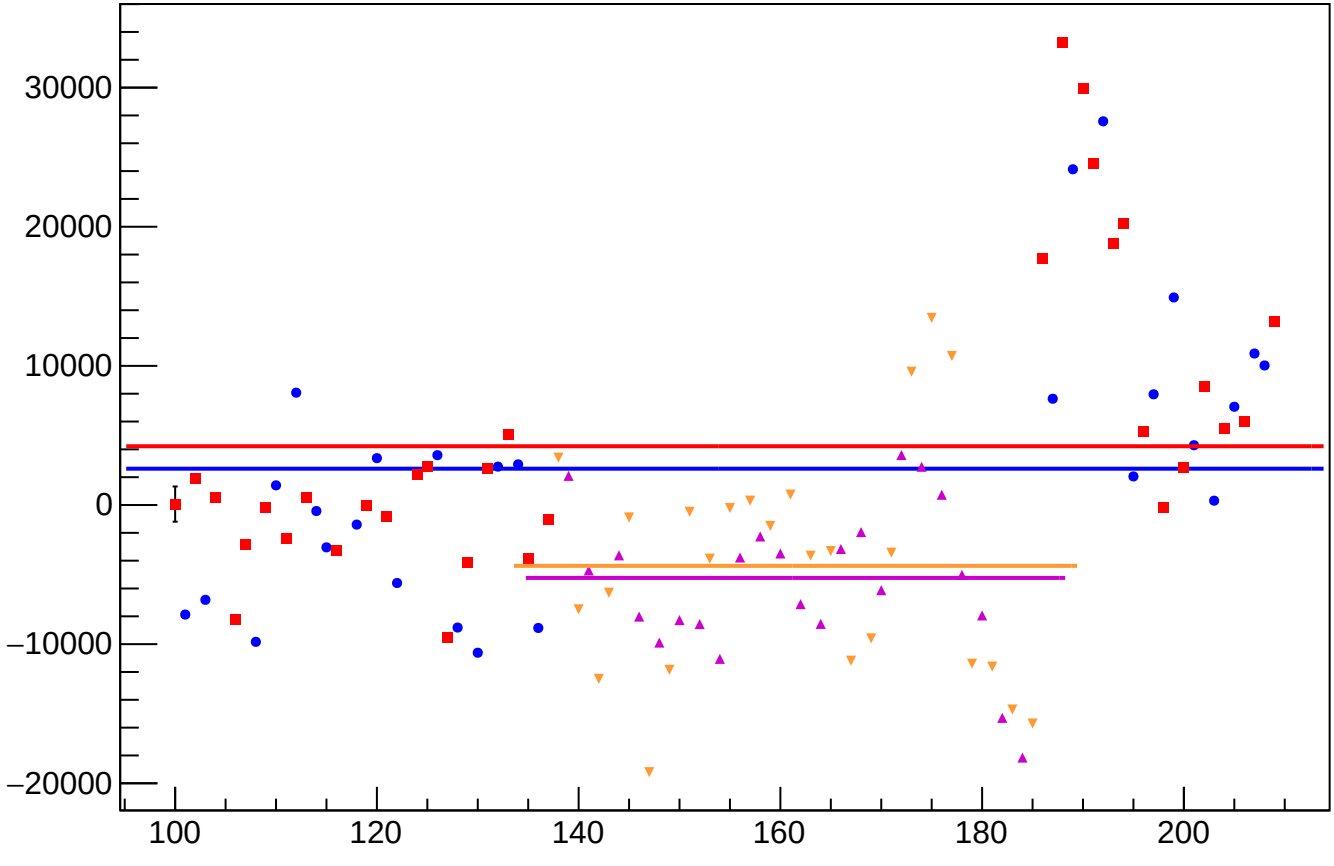
Right: 132.622+/-0.017 χ^2/NDF: 2789051.4/58

In: 133.281+/-0.017 χ^2/NDF:2703948.3/49

Out: 131.801+/-0.016 χ^2/NDF:3045265.1/56

All: 132.506+/-0.011 χ^2/NDF: 5753350.7/106

asym_bpm1i04WS_mean vs Slug, Sign Corrected



Right In: 2610.650+/-31.222 χ^2/NDF: 88552.7/26

Left Out: -4372.743+/-27.955 χ^2/NDF:67218.5/24

Right Out: 4223.770+/-29.654 χ^2/NDF: 113841.0/31

Left In: -5239.784+/-29.252 χ^2/NDF:22273.2/22

Left: -4786.626+/-20.210 χ^2/NDF: 89950.9/47

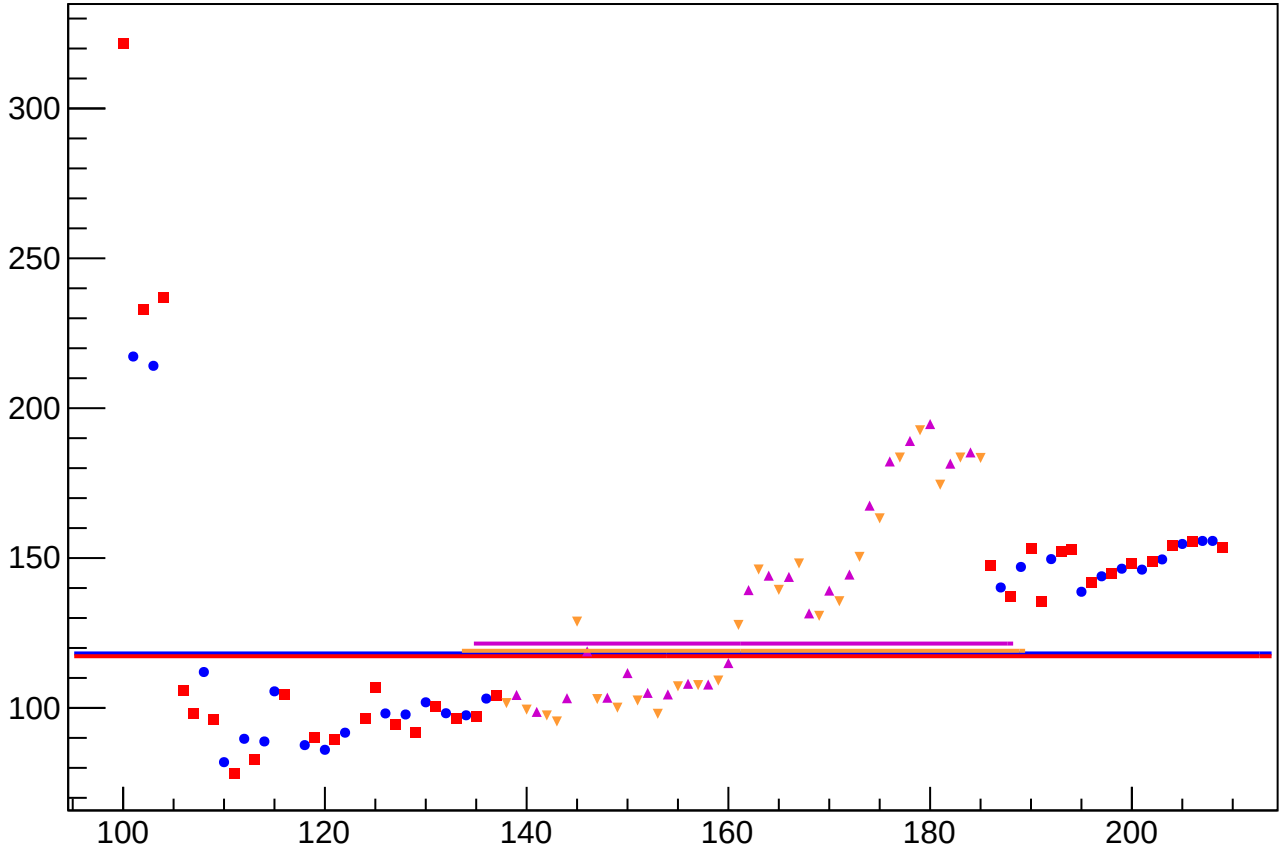
Right: 3458.721+/-21.502 χ^2/NDF: 203797.1/58

In: -1570.066+/-21.347 χ^2/NDF:144494.6/49

Out: -327.796+/-20.341 χ^2/NDF:225554.3/56

All: -918.998+/-14.726 χ^2/NDF: 371823.8/10

asym_bpm1i04WS_rms vs Slug, Sign Corrected



Right In: 118.175+/-0.022 χ^2/NDF: 1968514.5/26

Left Out: 119.064+/-0.020 χ^2/NDF:1755428.3/24

Right Out: 117.244+/-0.021 χ^2/NDF: 2355181.9/31

Left In: 121.468+/-0.021 χ^2/NDF:1529379.8/22

Left: 120.212+/-0.014 χ^2/NDF: 3291866.1/47

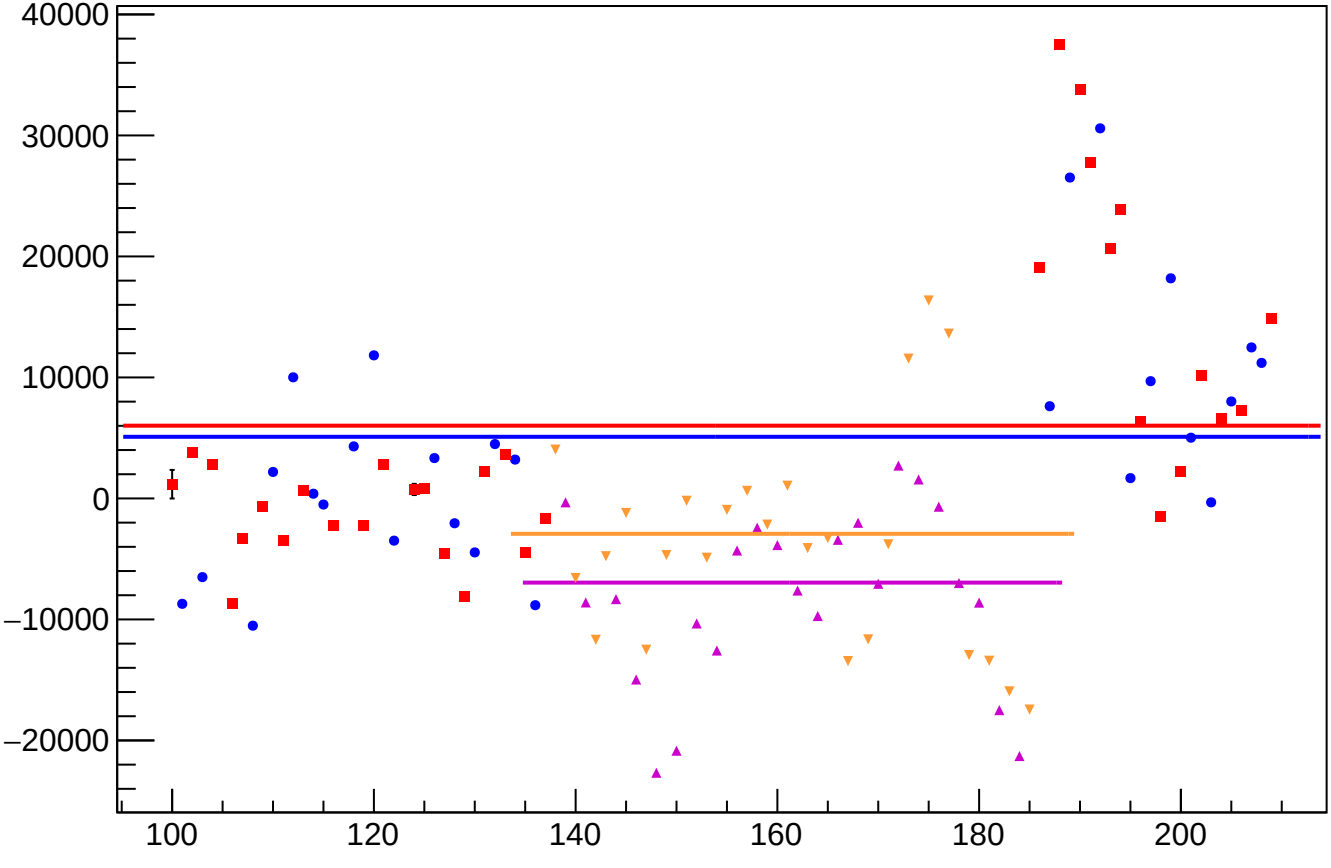
Right: 117.686+/-0.015 χ^2/NDF: 4324631.5/58

In: 119.929+/-0.015 χ^2/NDF:3509740.5/49

Out: 118.208+/-0.014 χ^2/NDF:4114599.7/56

All: 119.027+/-0.010 χ^2/NDF: 7631152.5/106

asym_bpm1i06WS_mean vs Slug, Sign Corrected



Right In: 5094.159+/-41.007 χ^2/NDF: 63256.1/26

Left Out: -2923.060+/-38.185 χ^2/NDF:38052.4/24

Right Out: 6011.838+/-38.984 χ^2/NDF: 94240.4/31

Left In: -6956.884+/-40.245 χ^2/NDF:22339.0/22

Left: -4834.088+/-27.700 χ^2/NDF: 65678.3/47

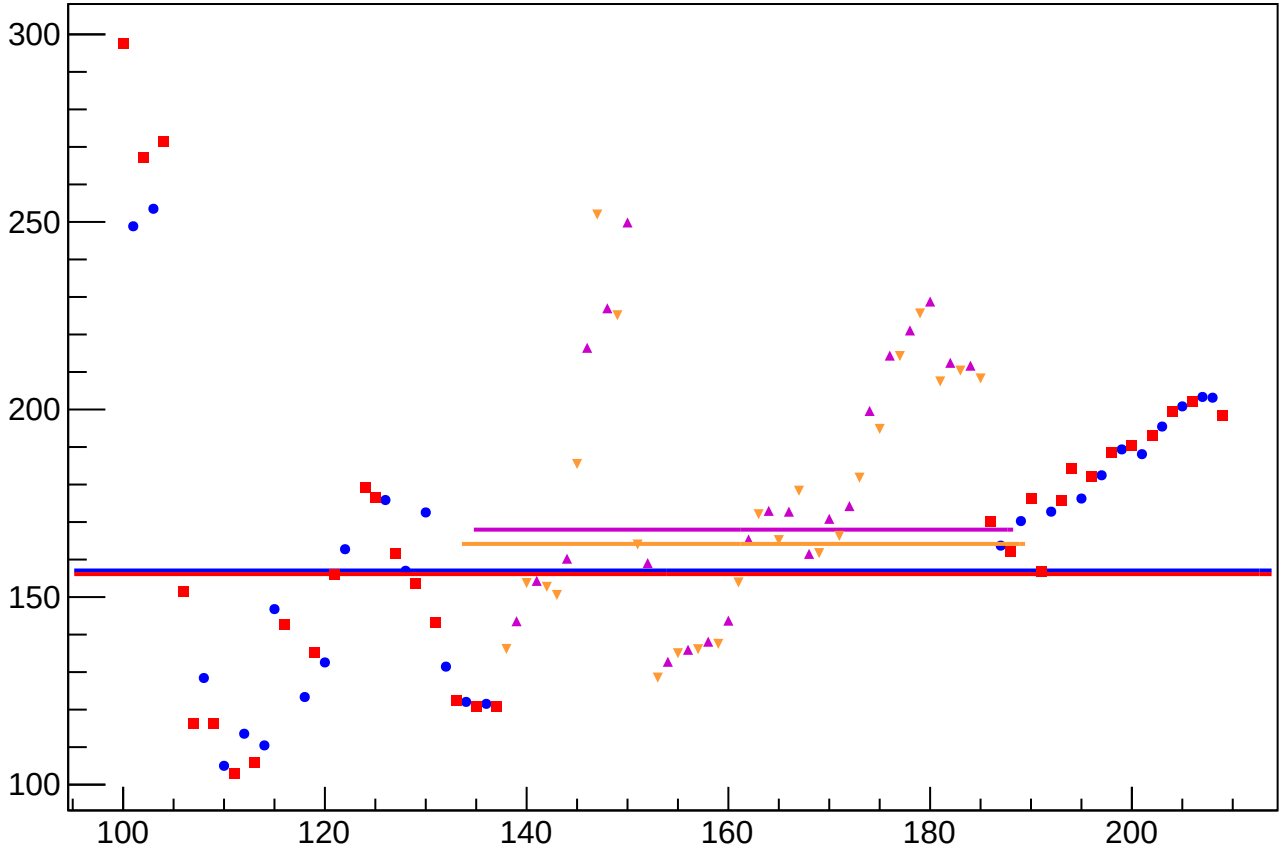
Right: 5576.189+/-28.254 χ^2/NDF: 157759.6/58

In: -1044.310+/-28.723 χ^2/NDF:129587.5/49

Out: 1451.883+/-27.279 χ^2/NDF:159101.7/56

All: 268.112+/-19.780 χ^2/NDF: 292660.1/106

asym_bpm1i06WS_rms vs Slug, Sign Corrected



Right In: 157.082+/-0.029 χ^2/NDF: 1597223.7/26

Left Out: 164.172+/-0.027 χ^2/NDF:1224405.6/24

Right Out: 156.121+/-0.028 χ^2/NDF: 1808485.5/31

Left In: 167.975+/-0.028 χ^2/NDF:1222745.4/22

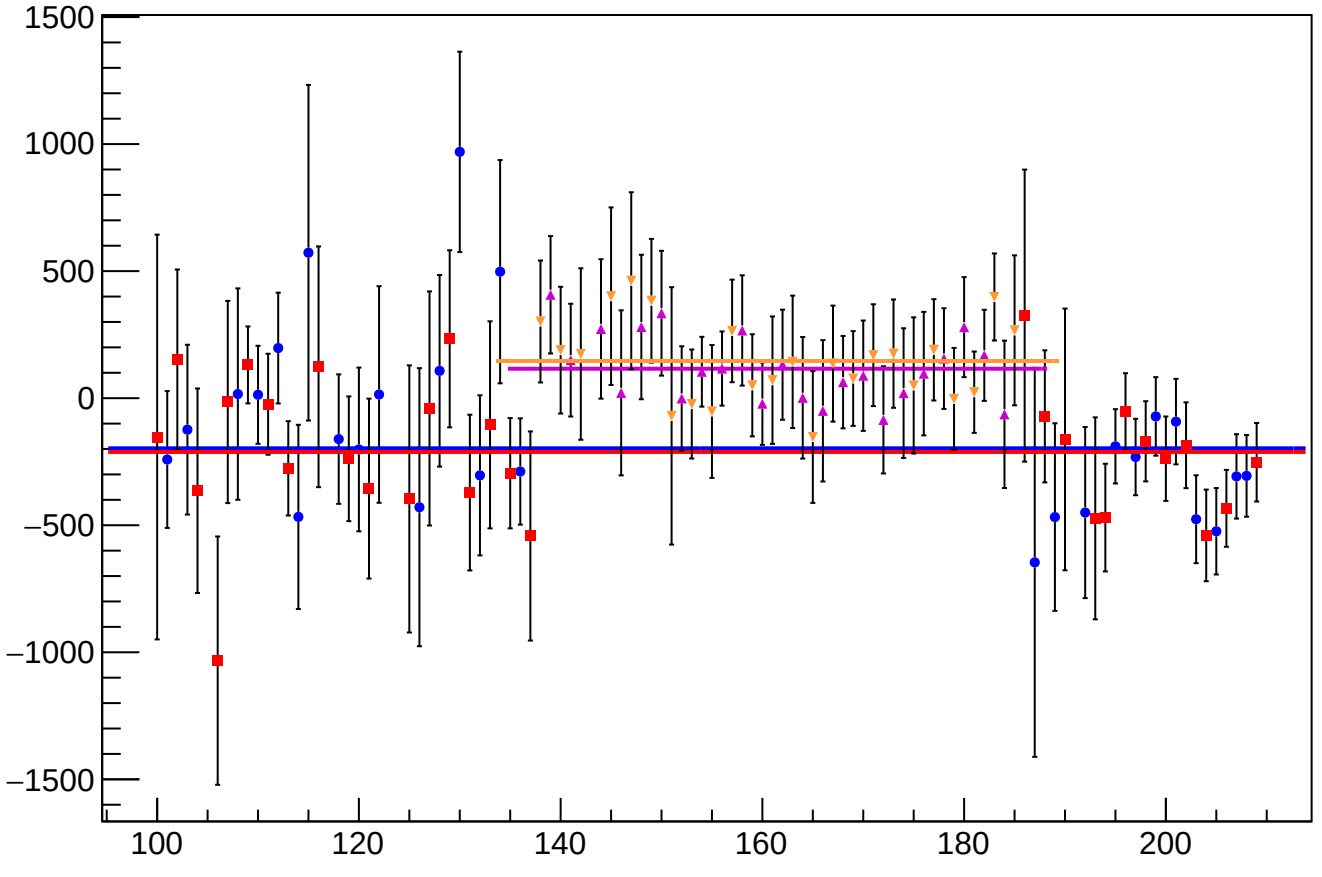
Left: 165.974+/-0.020 χ^2/NDF: 2456548.5/47

Right: 156.578+/-0.020 χ^2/NDF: 3406286.1/58

In: 162.631+/-0.020 χ^2/NDF:2891853.6/49

Out: 160.230+/-0.019 χ^2/NDF:3076424.5/56

All: 161.369+/-0.014 χ^2/NDF: 5975623.5/106



Right In: -197.291+/-44.679 χ^2/NDF: 29.1/26

Left Out: 146.352+/-46.929 χ^2/NDF:10.0/23

Right Out: -211.563+/-43.237 χ^2/NDF: 23.9/29

Left In: 115.974+/-43.605 χ^2/NDF:7.6/22

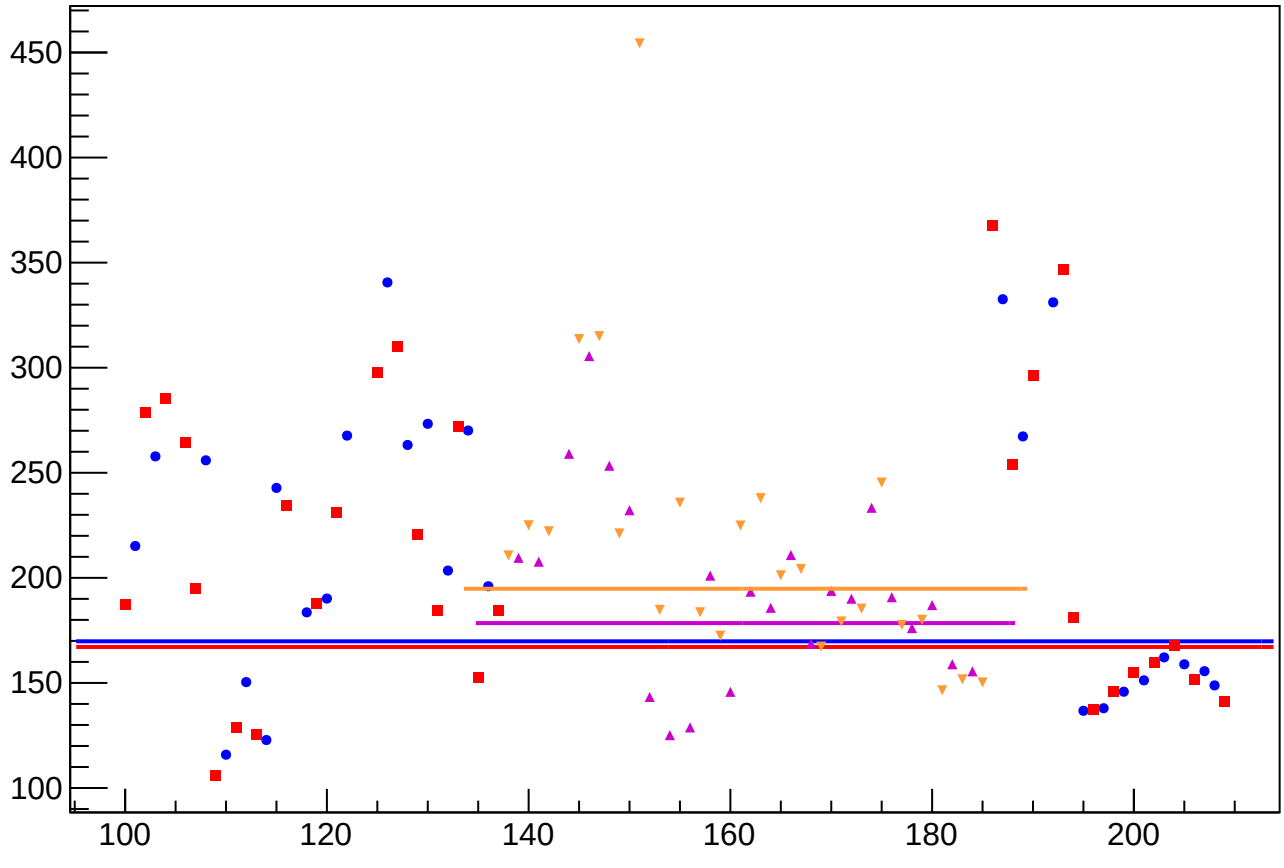
Left: 130.049+/-31.944 χ^2/NDF: 17.8/46

Right: -204.661+/-31.071 χ^2/NDF: 53.1/56

In: -36.845+/-31.206 χ^2/NDF:61.9/49

Out: -47.234+/-31.799 χ^2/NDF:65.4/53

All: -41.942+/-22.273 χ^2/NDF: 127.3/103



Right In: 169.804+/-0.032 χ^2/NDF: 2259323.0/26

Left Out: 194.828+/-0.033 χ^2/NDF:1752475.1/23

Right Out: 167.115+/-0.031 χ^2/NDF: 2812041.9/29

Left In: 178.475+/-0.031 χ^2/NDF:1676266.4/22

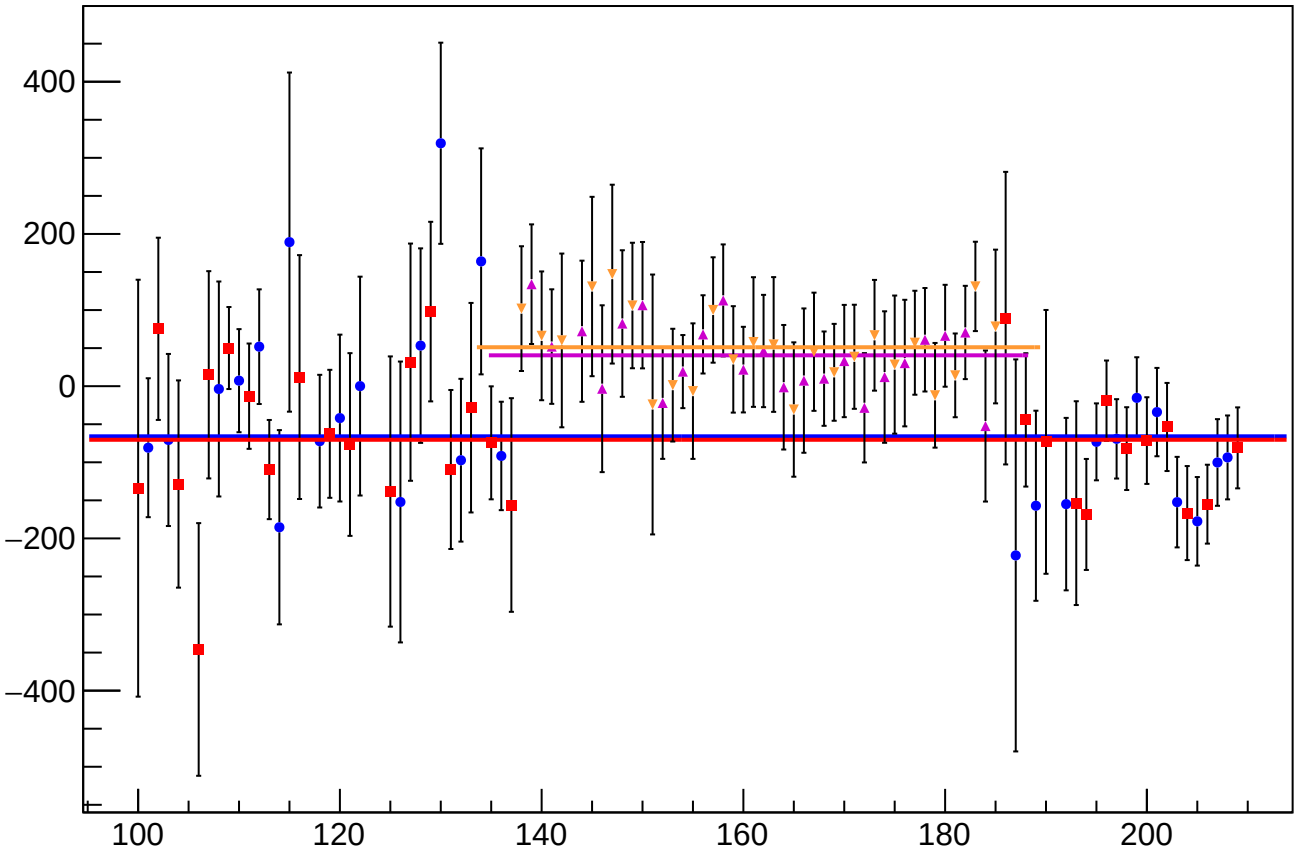
Left: 186.052+/-0.023 χ^2/NDF: 3559074.3/46

Right: 168.415+/-0.022 χ^2/NDF: 5075106.1/56

In: 174.245+/-0.022 χ^2/NDF:3974173.8/49

Out: 179.839+/-0.022 χ^2/NDF:4941766.5/53

All: 176.989+/-0.016 χ^2/NDF: 8947466.7/103



Right In: -65.869+/-15.346 χ^2/NDF: 27.6/26

Left Out: 51.161+/-16.037 χ^2/NDF:8.1/23

Right Out: -70.414+/-14.882 χ^2/NDF: 23.6/29

Left In: 40.540+/-14.978 χ^2/NDF:7.9/22

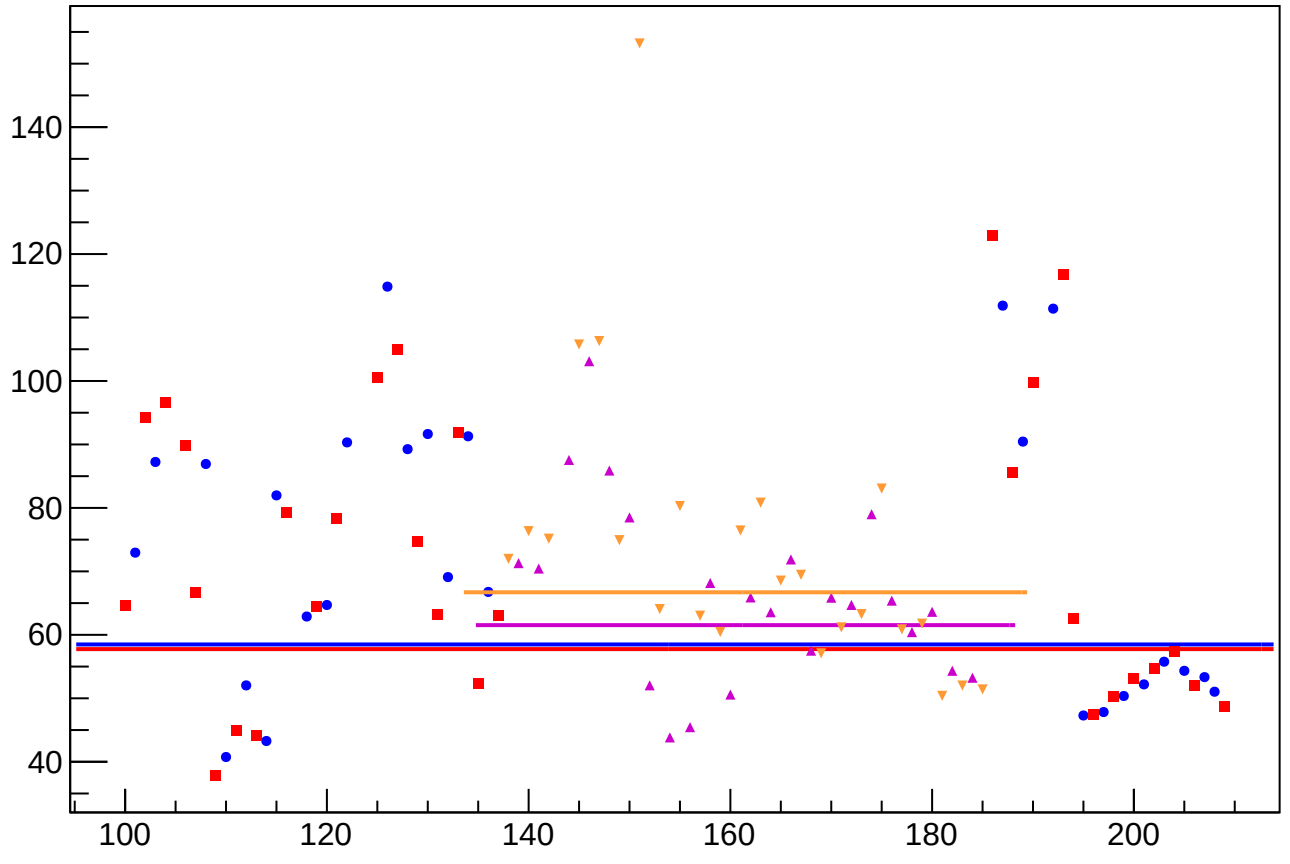
Left: 45.488+/-10.946 χ^2/NDF: 16.2/46

Right: -68.211+/-10.684 χ^2/NDF: 51.3/56

In: -11.371+/-10.719 χ^2/NDF:60.1/49

Out: -14.161+/-10.909 χ^2/NDF:62.6/53

All: -12.741+/-7.646 χ^2/NDF: 122.8/103



Right In: 58.484+/-0.011 χ^2/NDF: 2117973.0/26

Left Out: 66.703+/-0.011 χ^2/NDF:1676329.9/23

Right Out: 57.752+/-0.011 χ^2/NDF: 2616462.1/29

Left In: 61.529+/-0.011 χ^2/NDF:1489848.4/22

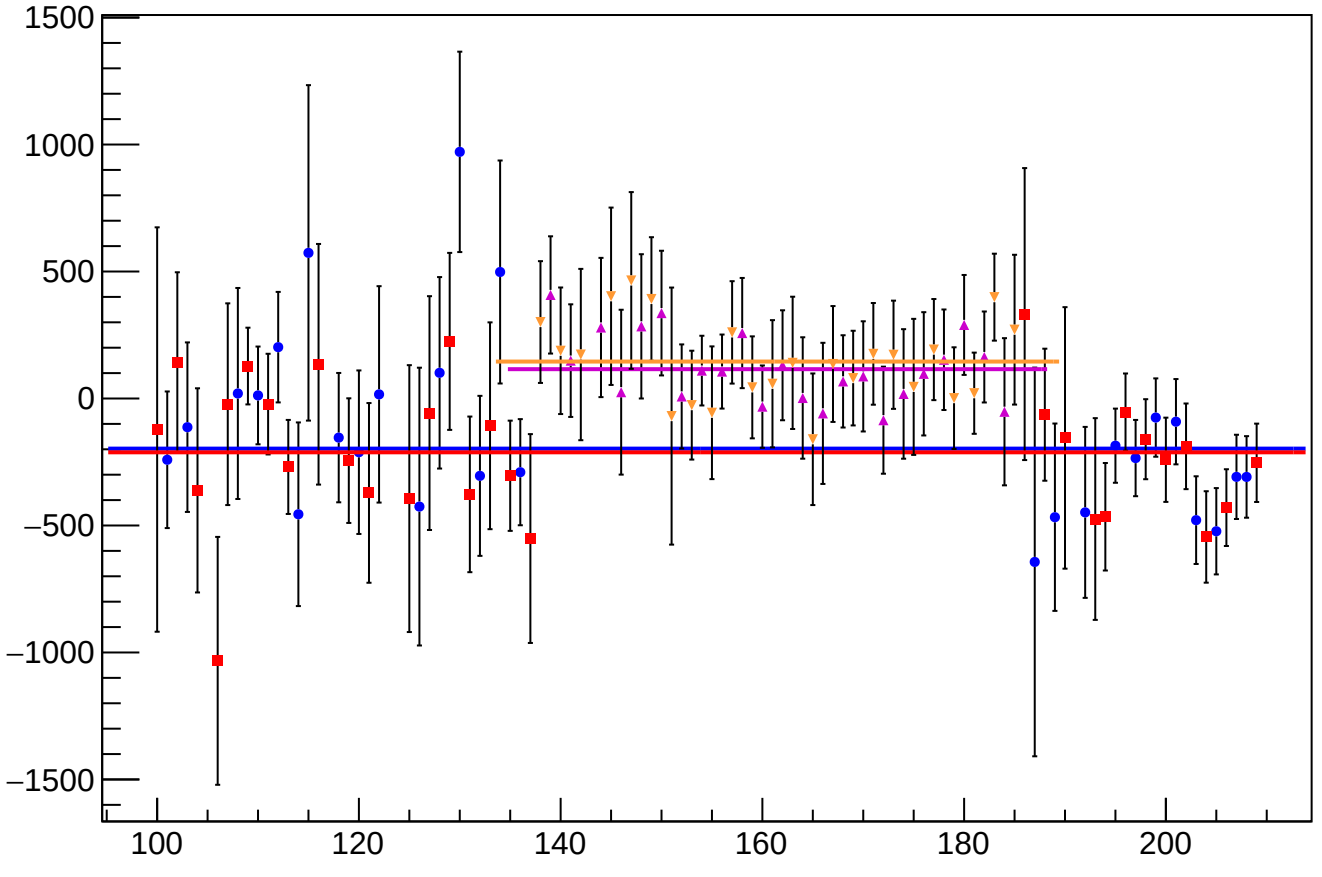
Left: 63.939+/-0.008 χ^2/NDF: 3277377.5/46

Right: 58.107+/-0.008 χ^2/NDF: 4736781.1/56

In: 60.043+/-0.008 χ^2/NDF:3648144.7/49

Out: 61.894+/-0.008 χ^2/NDF:4627575.0/53

All: 60.952+/-0.005 χ^2/NDF: 8304989.4/103



Right In: -197.338+/-44.622 χ^2/NDF: 29.3/26

Left Out: 145.476+/-46.889 χ^2/NDF:10.2/23

Right Out: -211.887+/-43.182 χ^2/NDF: 24.0/29

Left In: 115.487+/-43.568 χ^2/NDF:7.8/22

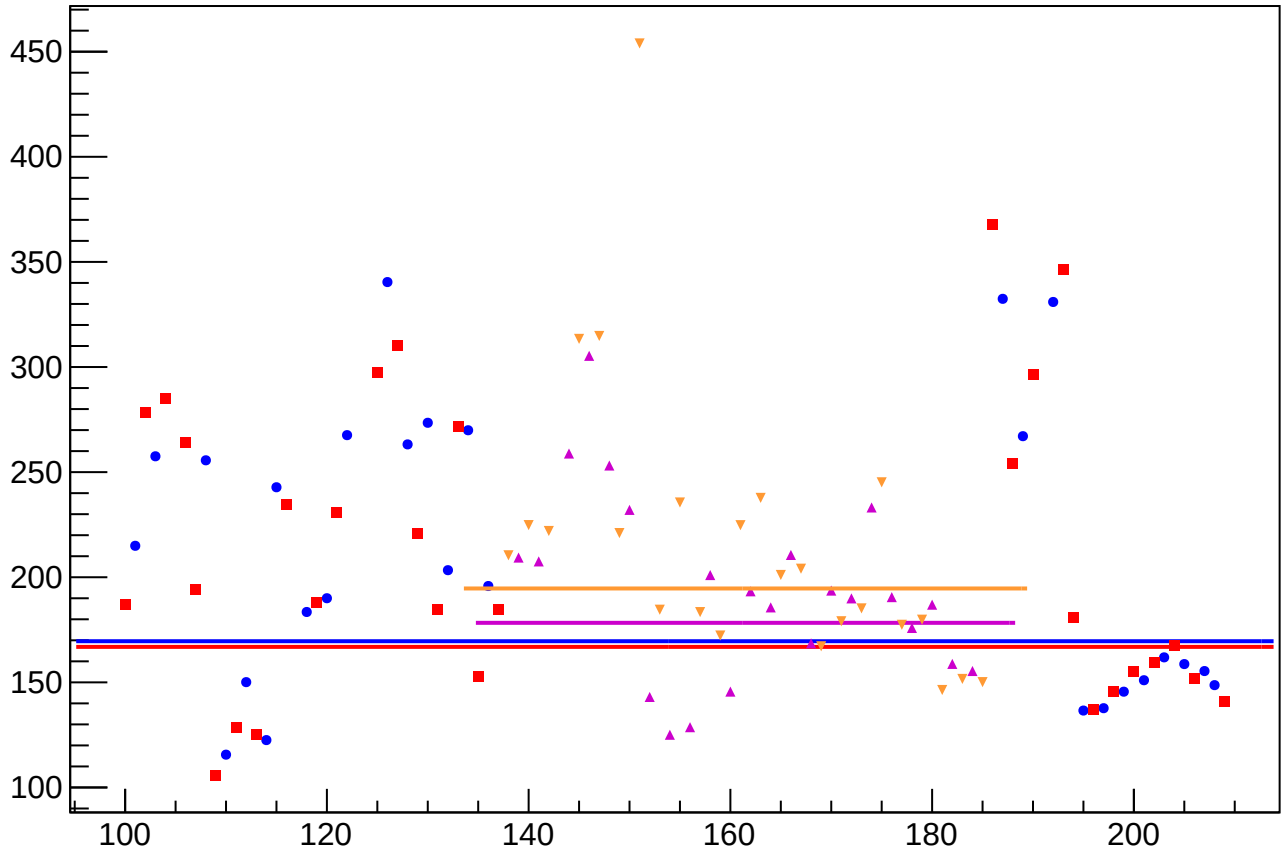
Left: 129.382+/-31.917 χ^2/NDF: 18.2/46

Right: -204.851+/-31.031 χ^2/NDF: 53.3/56

In: -37.186+/-31.173 χ^2/NDF:62.2/49

Out: -47.887+/-31.764 χ^2/NDF:65.7/53

All: -42.436+/-22.249 χ^2/NDF: 127.9/103



Right In: 169.568+/-0.032 χ^2/NDF: 2265630.1/26

Left Out: 194.659+/-0.033 χ^2/NDF:1753119.9/23

Right Out: 166.877+/-0.031 χ^2/NDF: 2820362.4/29

Left In: 178.318+/-0.031 χ^2/NDF:1678336.4/22

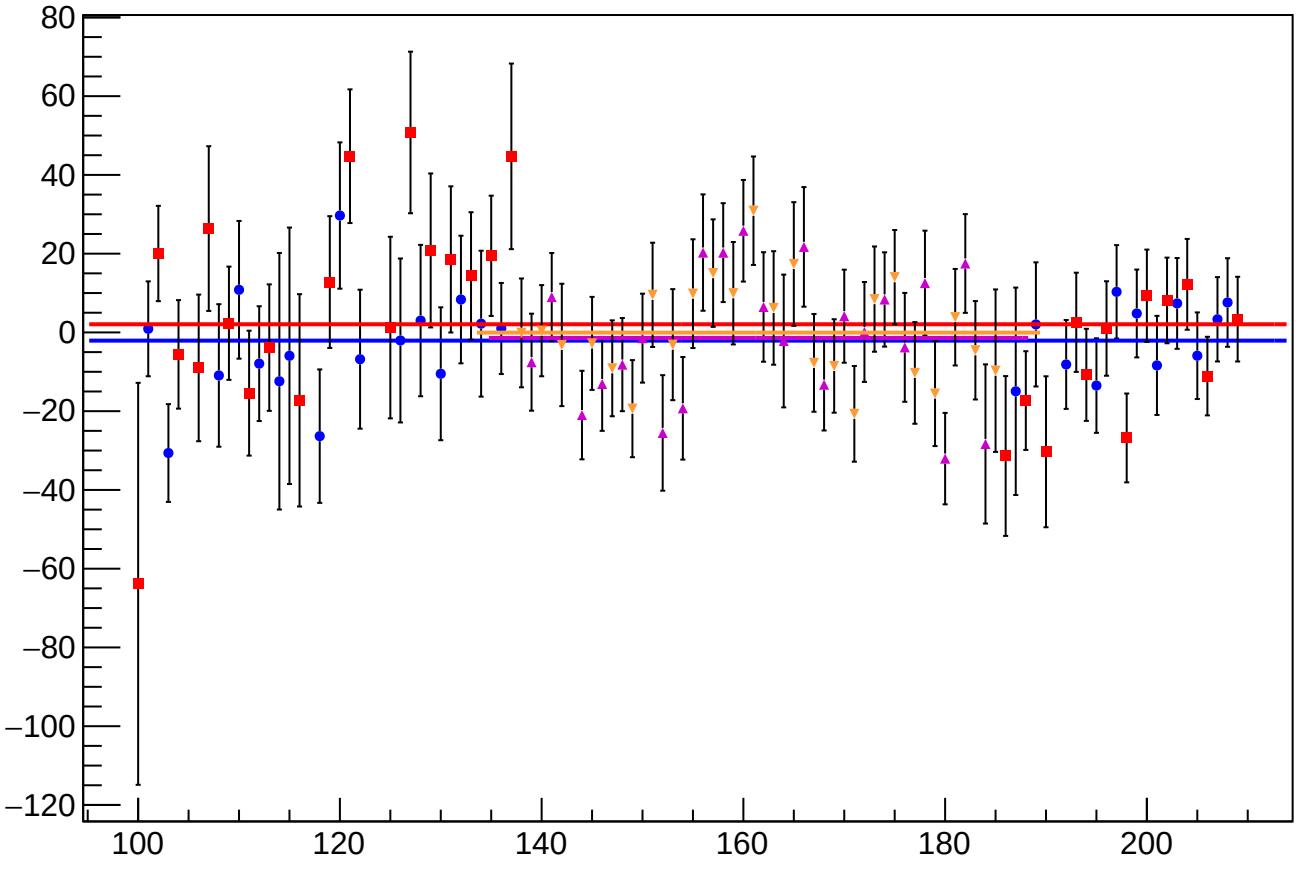
Left: 185.889+/-0.023 χ^2/NDF: 3561822.0/46

Right: 168.178+/-0.022 χ^2/NDF: 5089747.8/56

In: 174.047+/-0.022 χ^2/NDF:3983337.1/49

Out: 179.627+/-0.022 χ^2/NDF:4953391.4/53

All: 176.785+/-0.016 χ^2/NDF: 8968159.9/103



Right In: -2.084+/-2.745 χ^2/NDF: 17.3/26

Left Out: -0.047+/-2.685 χ^2/NDF:20.5/23

Right Out: 2.071+/-2.670 χ^2/NDF: 45.9/29

Left In: -1.407+/-2.674 χ^2/NDF:36.3/22

Left: -0.729+/-1.895 χ^2/NDF: 56.9/46

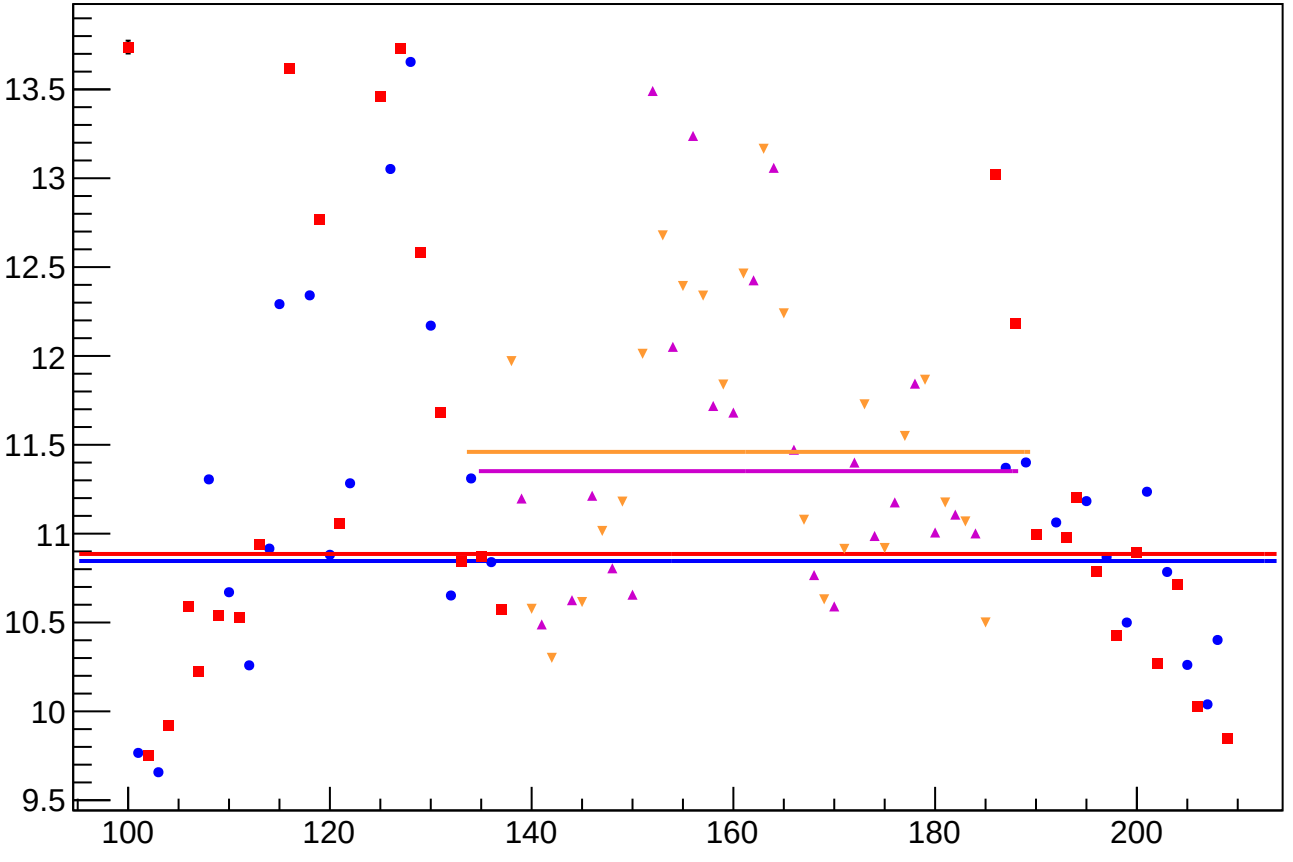
Right: 0.051+/-1.914 χ^2/NDF: 64.4/56

In: -1.736+/-1.915 χ^2/NDF:53.7/49

Out: 1.018+/-1.893 χ^2/NDF:66.7/53

All: -0.343+/-1.346 χ^2/NDF: 121.4/103

asym_bcm_an_us_an_ds_dd_rms vs Slug, Sign Corrected



Right In: 10.846+/-0.002 χ^2/NDF: 168510.7/26

Left Out: 11.460+/-0.002 χ^2/NDF:150430.0/23

Right Out: 10.886+/-0.002 χ^2/NDF: 255974.5/29

Left In: 11.352+/-0.002 χ^2/NDF:170563.6/22

Left: 11.406+/-0.001 χ^2/NDF: 322630.2/46

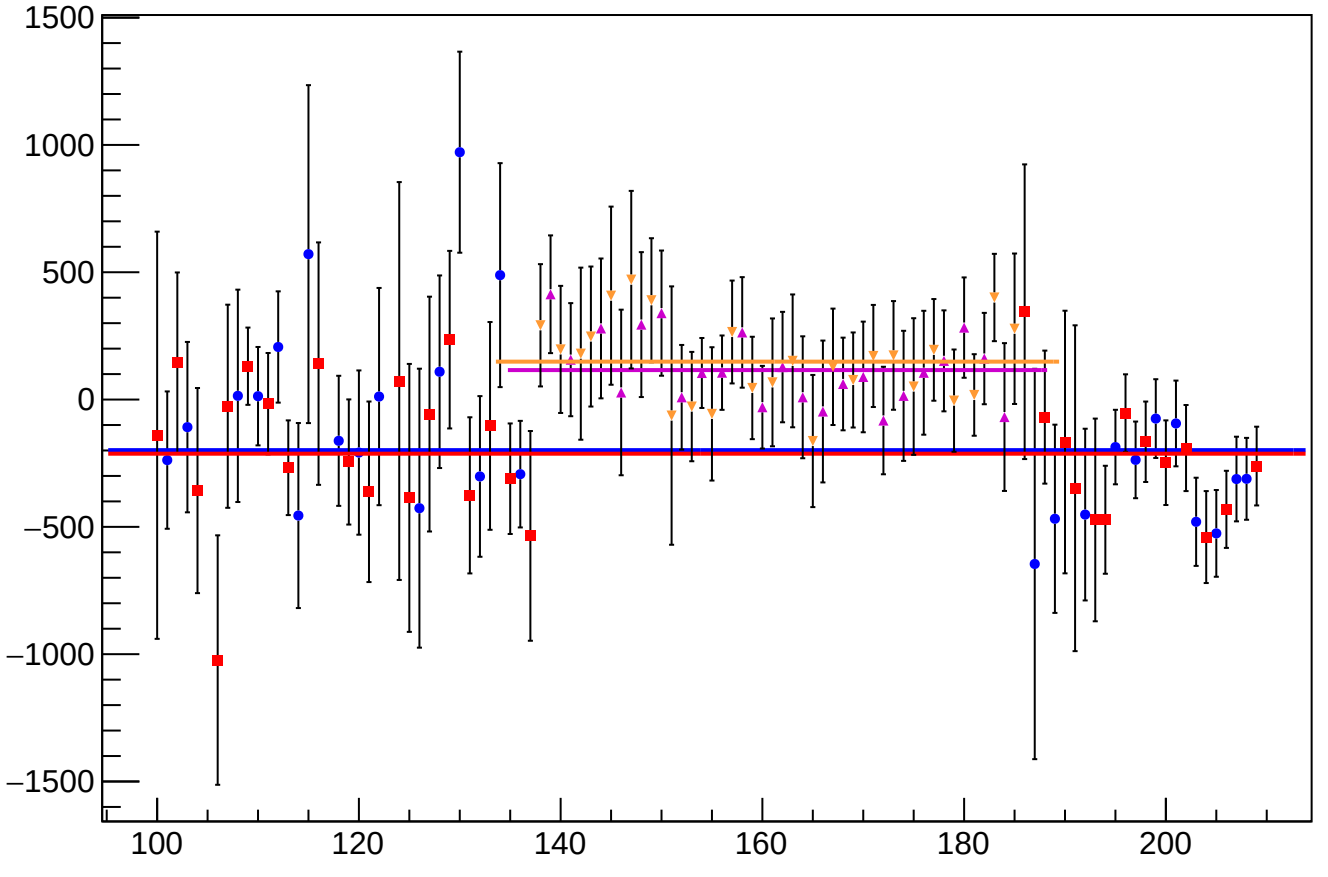
Right: 10.866+/-0.001 χ^2/NDF: 424699.6/56

In: 11.106+/-0.001 χ^2/NDF:373901.4/49

Out: 11.171+/-0.001 χ^2/NDF:452434.6/53

All: 11.139+/-0.001 χ^2/NDF: 827527.7/103

asym_bcm_an_us_an_ds3_avg_mean vs Slug, Sign Corrected



Right In: -198.638+/-44.738 χ^2/NDF: 29.3/26

Left Out: 148.905+/-46.306 χ^2/NDF:10.5/24

Right Out: -212.677+/-43.136 χ^2/NDF: 24.1/31

Left In: 115.709+/-43.641 χ^2/NDF:7.8/22

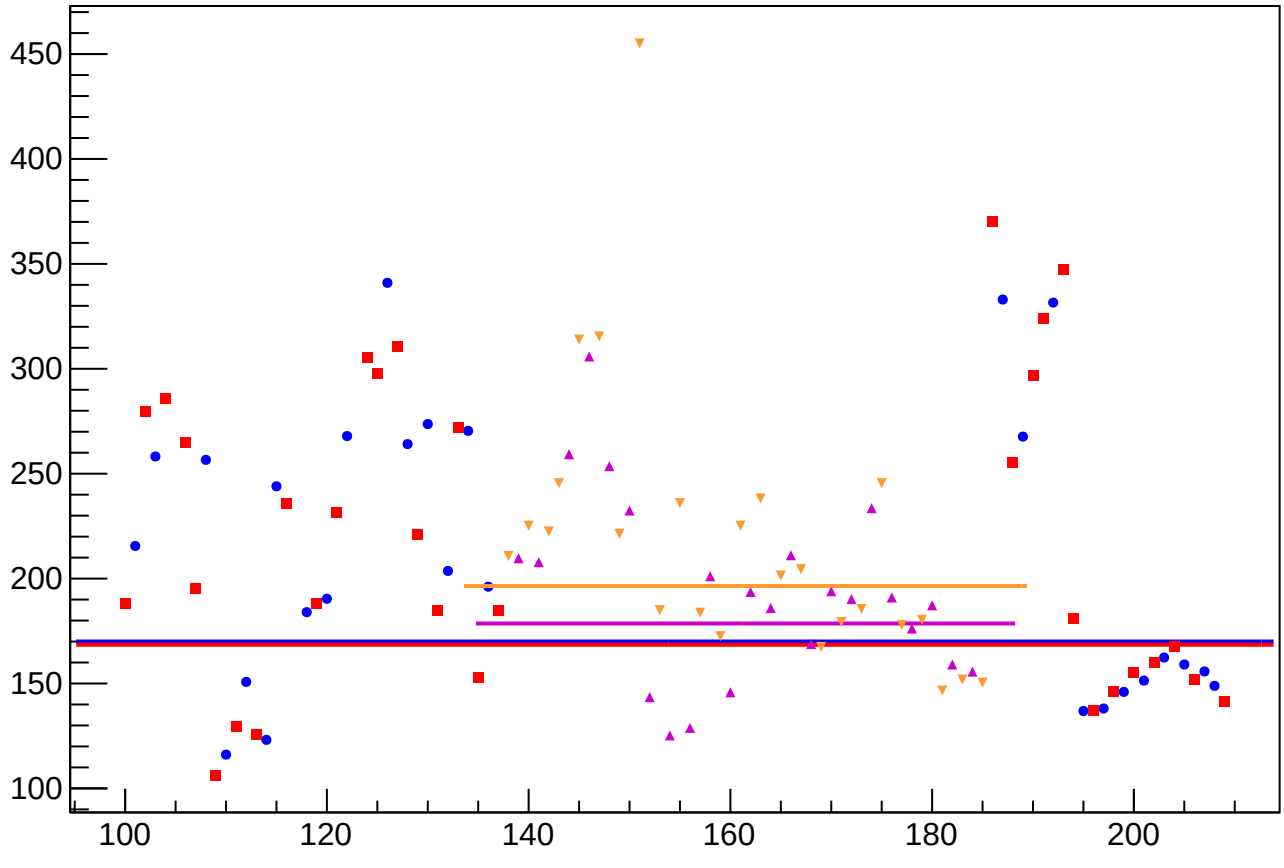
Left: 131.325+/-31.759 χ^2/NDF: 18.6/47

Right: -205.913+/-31.052 χ^2/NDF: 53.5/58

In: -37.564+/-31.239 χ^2/NDF:62.4/49

Out: -44.689+/-31.563 χ^2/NDF:67.3/56

All: -41.090+/-22.203 χ^2/NDF: 129.7/106



Right In: 170.018+/-0.032 χ^2/NDF: 2261101.2/26

Left Out: 196.454+/-0.033 χ^2/NDF:1818746.1/24

Right Out: 168.471+/-0.031 χ^2/NDF: 2998775.4/31

Left In: 178.614+/-0.031 χ^2/NDF:1678859.8/22

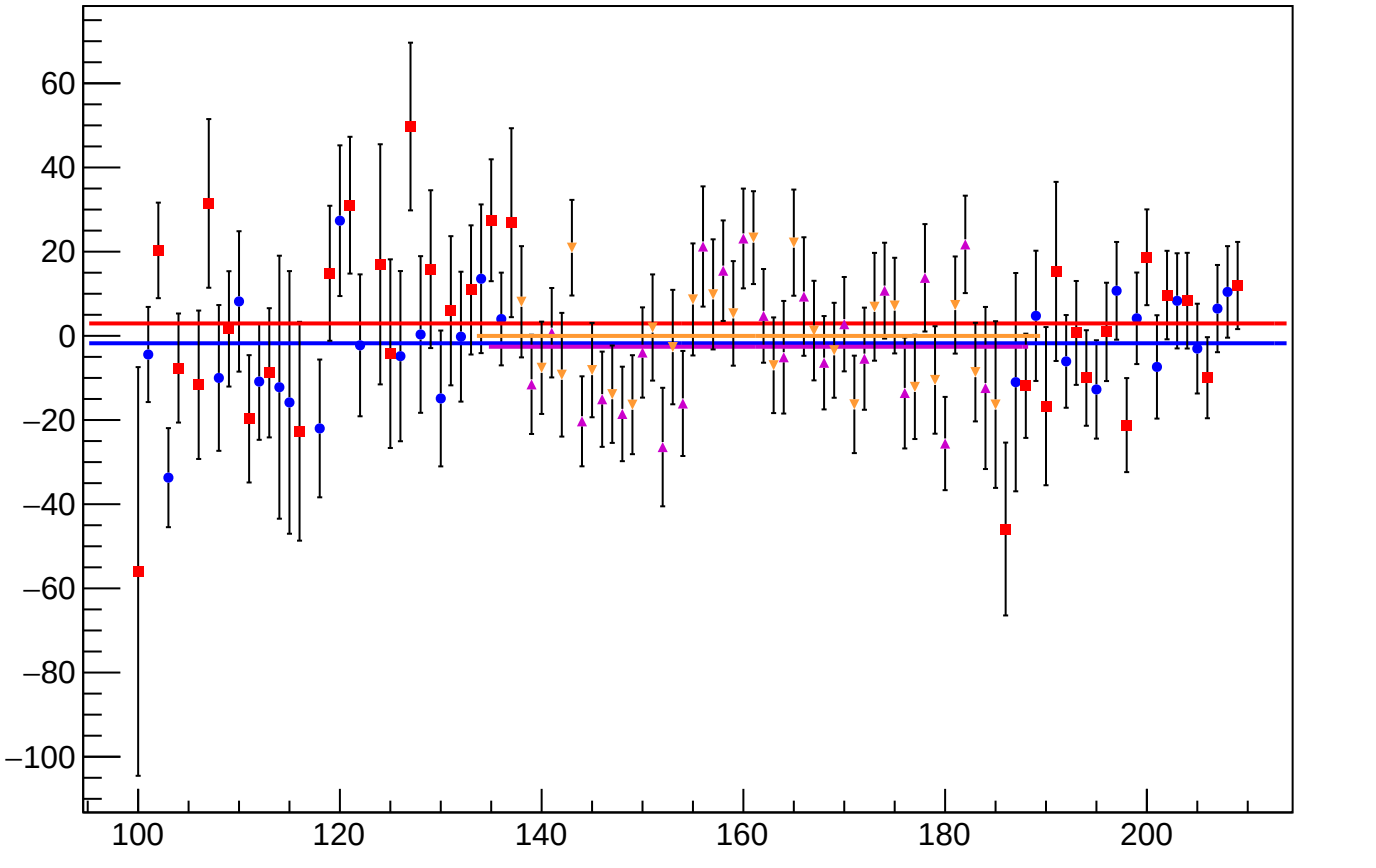
Left: 187.006+/-0.022 χ^2/NDF: 3654827.6/47

Right: 169.217+/-0.022 χ^2/NDF: 5261115.6/58

In: 174.423+/-0.022 χ^2/NDF:3977793.0/49

Out: 181.472+/-0.022 χ^2/NDF:5208557.9/56

All: 177.911+/-0.016 χ^2/NDF: 9236746.8/106



Right In: -1.767+/-2.648 χ^2/NDF: 20.4/26

Left Out: -0.018+/-2.445 χ^2/NDF:23.7/24

Right Out: 2.946+/-2.549 χ^2/NDF: 44.8/31

Left In: -2.591+/-2.506 χ^2/NDF:34.8/22

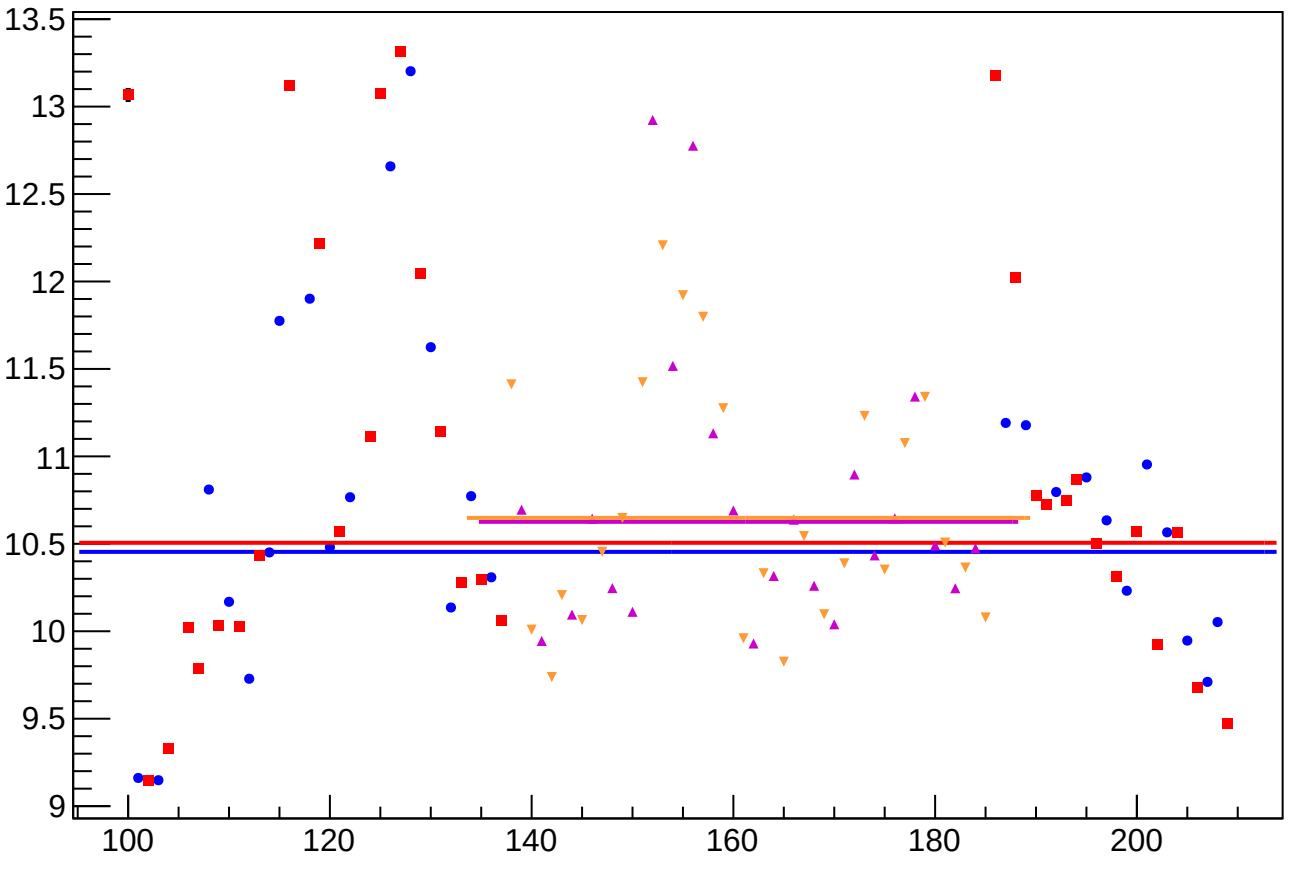
Left: -1.272+/-1.750 χ^2/NDF: 59.1/47

Right: 0.680+/-1.836 χ^2/NDF: 66.8/58

In: -2.202+/-1.820 χ^2/NDF:55.2/49

Out: 1.403+/-1.764 χ^2/NDF:69.3/56

All: -0.343+/-1.267 χ^2/NDF: 126.5/106



Right In: 10.454+/-0.002 χ^2/NDF: 190350.6/26

Left Out: 10.648+/-0.002 χ^2/NDF:143535.9/24

Right Out: 10.506+/-0.002 χ^2/NDF: 295815.4/31

Left In: 10.626+/-0.002 χ^2/NDF:159543.1/22

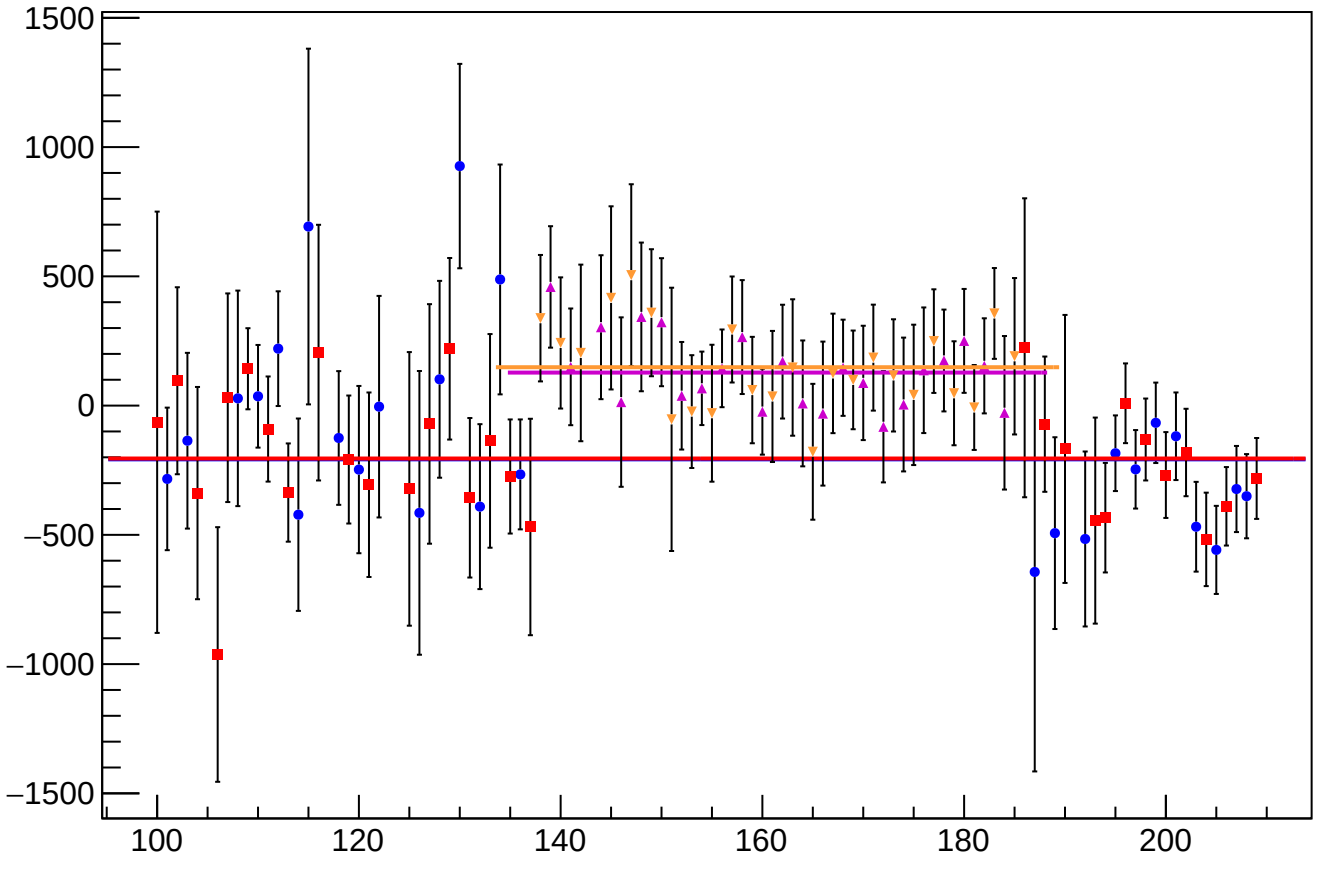
Left: 10.637+/-0.001 χ^2/NDF: 303162.3/47

Right: 10.481+/-0.001 χ^2/NDF: 486564.9/58

In: 10.545+/-0.001 χ^2/NDF:354329.2/49

Out: 10.580+/-0.001 χ^2/NDF:442601.9/56

All: 10.563+/-0.001 χ^2/NDF: 797322.8/106



Right In: -207.913+/-45.113 χ^2/NDF: 30.6/26

Left Out: 148.441+/-47.720 χ^2/NDF:9.9/23

Right Out: -204.695+/-43.732 χ^2/NDF: 21.7/29

Left In: 127.710+/-44.426 χ^2/NDF:7.8/22

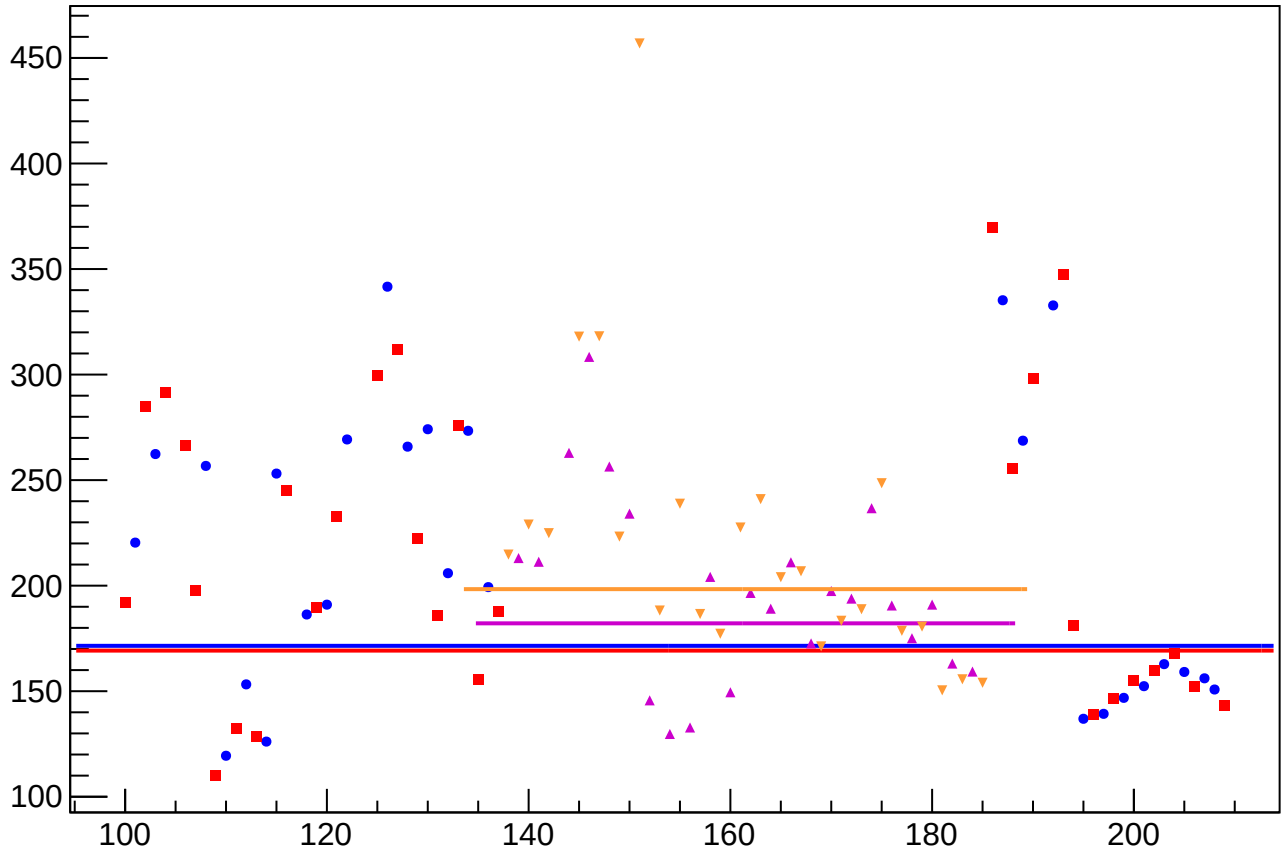
Left: 137.335+/-32.516 χ^2/NDF: 17.8/46

Right: -206.254+/-31.400 χ^2/NDF: 52.3/56

In: -37.527+/-31.654 χ^2/NDF:66.5/49

Out: -43.500+/-32.241 χ^2/NDF:61.4/53

All: -40.459+/-22.588 χ^2/NDF: 127.9/103



Right In: 171.497+/-0.032 χ^2/NDF: 2252234.1/26

Left Out: 198.351+/-0.034 χ^2/NDF:1697058.2/23

Right Out: 169.236+/-0.031 χ^2/NDF: 2755175.5/29

Left In: 182.150+/-0.031 χ^2/NDF:1584358.1/22

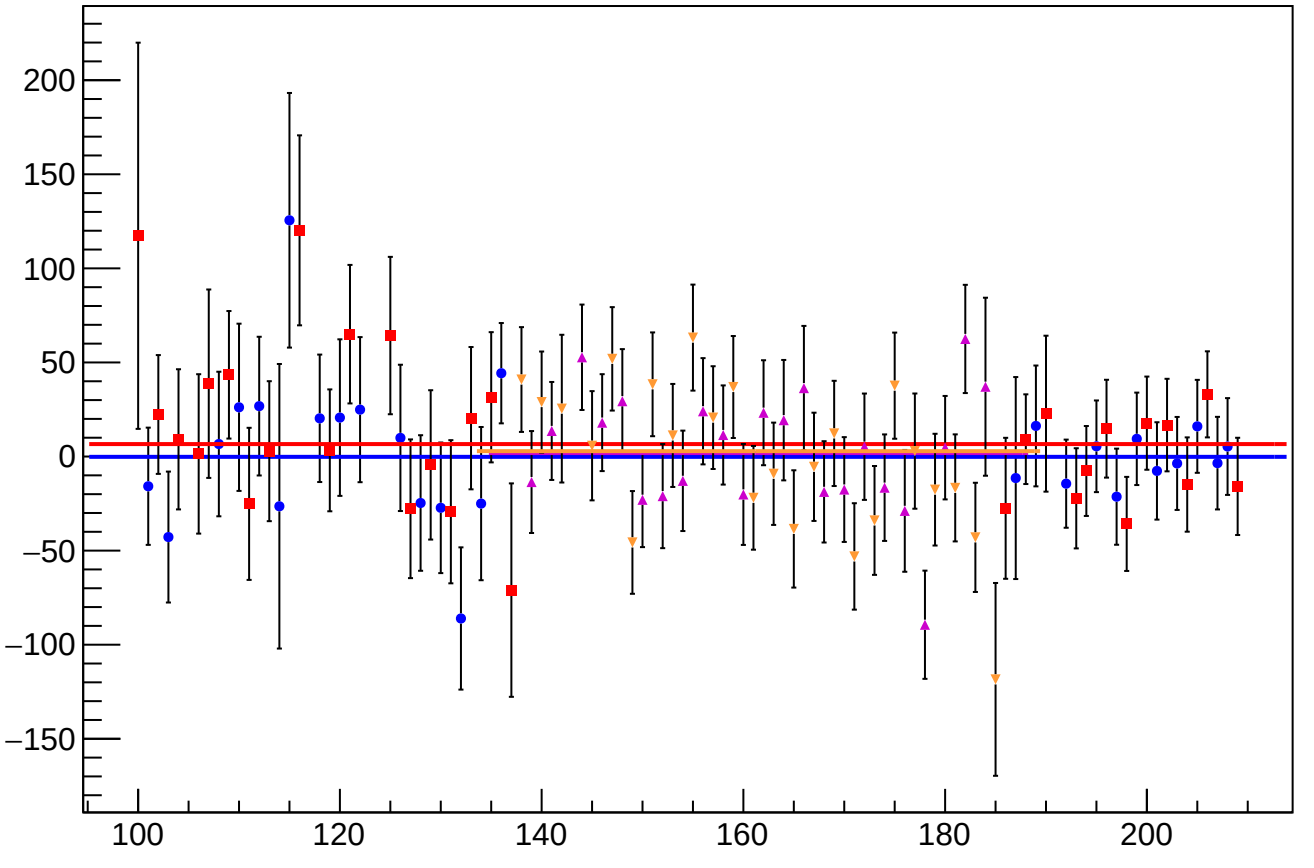
Left: 189.672+/-0.023 χ^2/NDF: 3404908.8/46

Right: 170.331+/-0.022 χ^2/NDF: 5009999.5/56

In: 176.905+/-0.022 χ^2/NDF:3893213.5/49

Out: 182.526+/-0.023 χ^2/NDF:4856898.9/53

All: 179.664+/-0.016 χ^2/NDF: 8781065.1/103



Right In: -0.161+/-6.062 χ^2/NDF: 18.9/26

Left Out: 2.851+/-5.904 χ^2/NDF:36.9/23

Right Out: 6.620+/-5.859 χ^2/NDF: 26.2/29

Left In: 1.850+/-5.893 χ^2/NDF:28.1/22

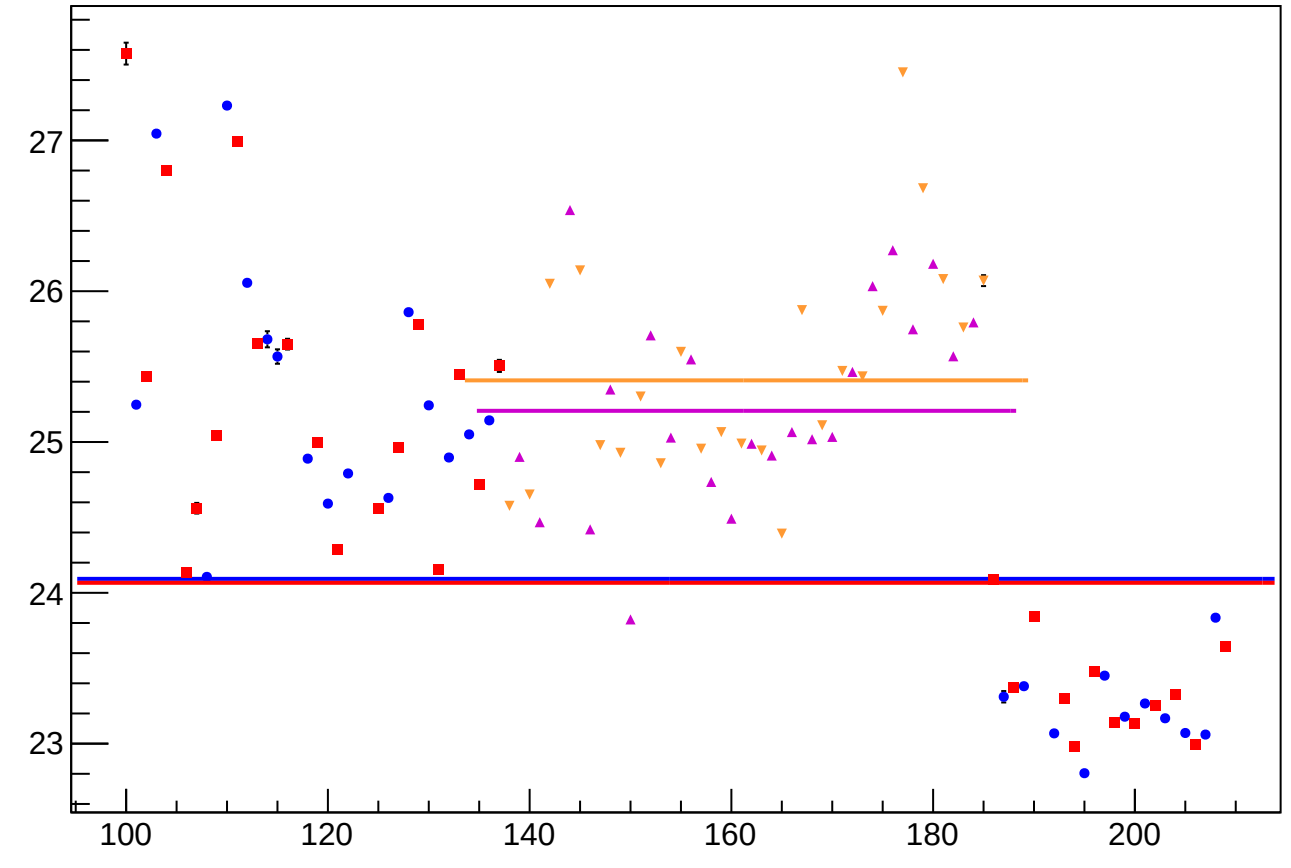
Left: 2.349+/-4.171 χ^2/NDF: 65.0/46

Right: 3.345+/-4.213 χ^2/NDF: 45.8/56

In: 0.873+/-4.225 χ^2/NDF:47.0/49

Out: 4.750+/-4.159 χ^2/NDF:63.3/53

All: 2.842+/-2.964 χ^2/NDF: 110.8/103



Right In: 24.093+/-0.004 χ^2/NDF: 76053.9/26

Left Out: 25.409+/-0.004 χ^2/NDF:26863.6/23

Right Out: 24.066+/-0.004 χ^2/NDF: 69437.8/29

Left In: 25.207+/-0.004 χ^2/NDF:25827.4/22

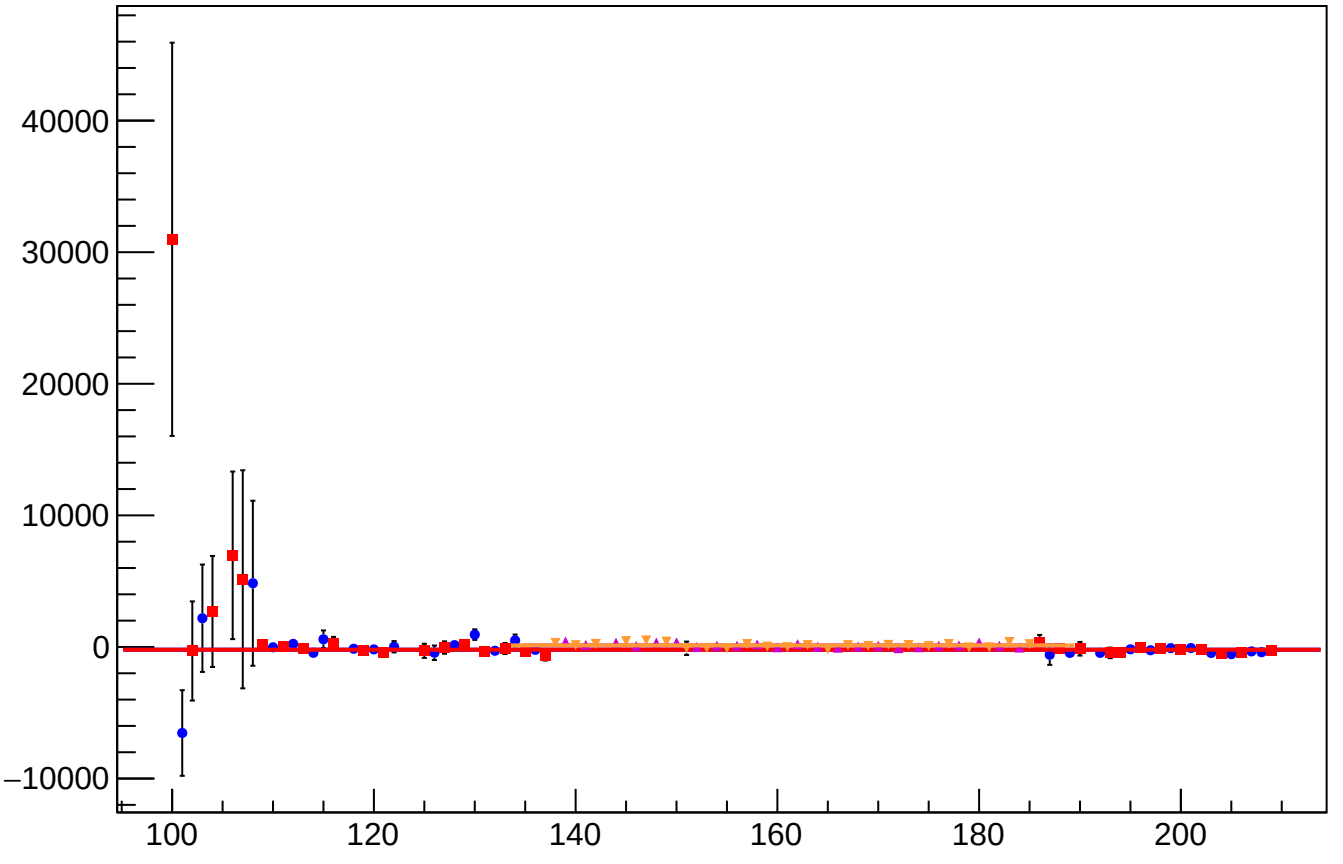
Left: 25.308+/-0.003 χ^2/NDF: 53862.4/46

Right: 24.079+/-0.003 χ^2/NDF: 145511.0/56

In: 24.665+/-0.003 χ^2/NDF:136619.5/49

Out: 24.732+/-0.003 χ^2/NDF:148379.3/53

All: 24.699+/-0.002 χ^2/NDF: 285254.1/103



Right In: -206.402+/-47.086 χ^2/NDF: 33.7/26

Left Out: 120.221+/-47.440 χ^2/NDF:11.9/23

Right Out: -210.812+/-46.206 χ^2/NDF: 24.9/29

Left In: 116.243+/-44.786 χ^2/NDF:8.4/22

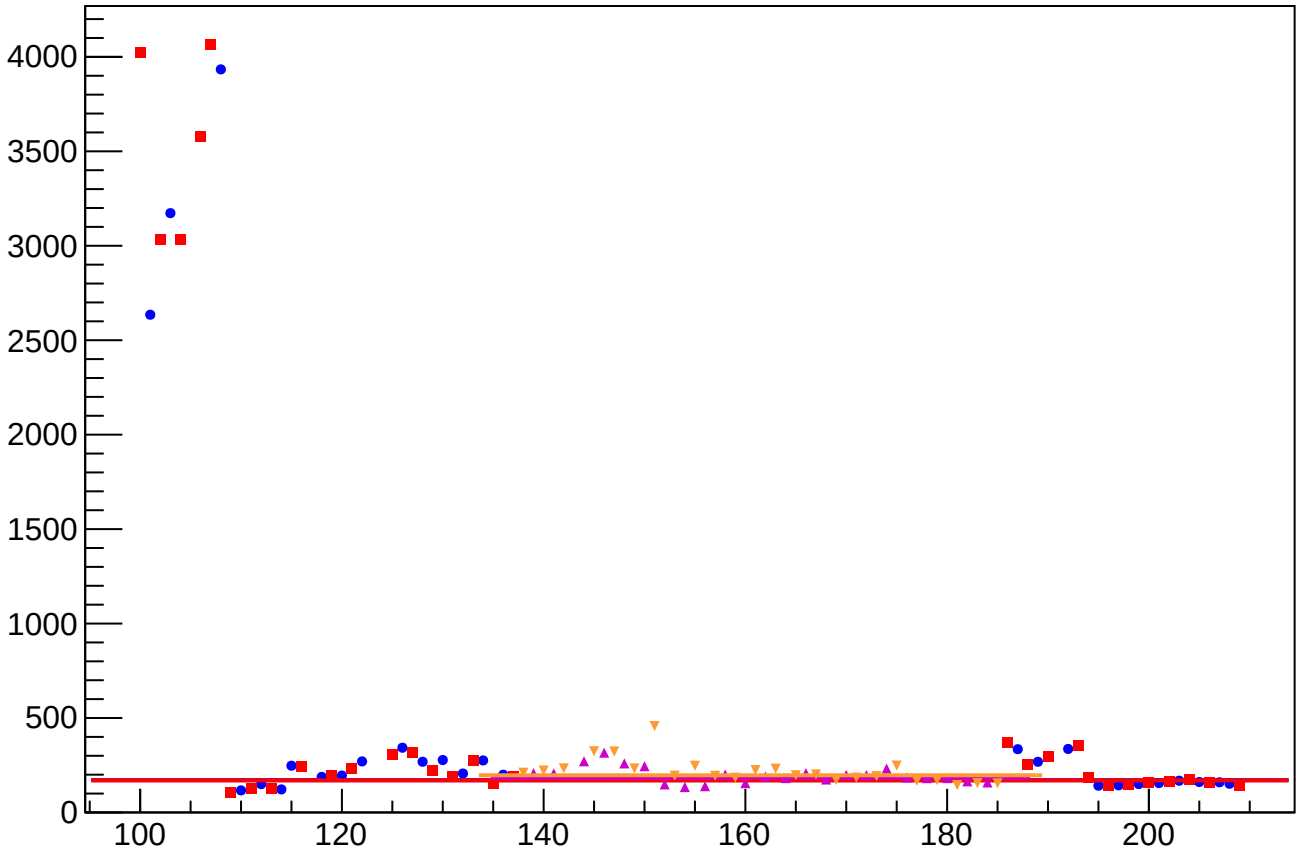
Left: 118.118+/-32.566 χ^2/NDF: 20.4/46

Right: -208.649+/-32.980 χ^2/NDF: 58.6/56

In: -37.006+/-32.451 χ^2/NDF:66.7/49

Out: -49.657+/-33.100 χ^2/NDF:61.8/53

All: -43.206+/-23.173 χ^2/NDF: 128.6/103



Right In: 170.964+/-0.033 χ^2/NDF: 4869849.7/26

Left Out: 196.935+/-0.034 χ^2/NDF:1809266.5/23

Right Out: 169.795+/-0.033 χ^2/NDF: 5416221.1/29

Left In: 184.051+/-0.032 χ^2/NDF:1445426.0/22

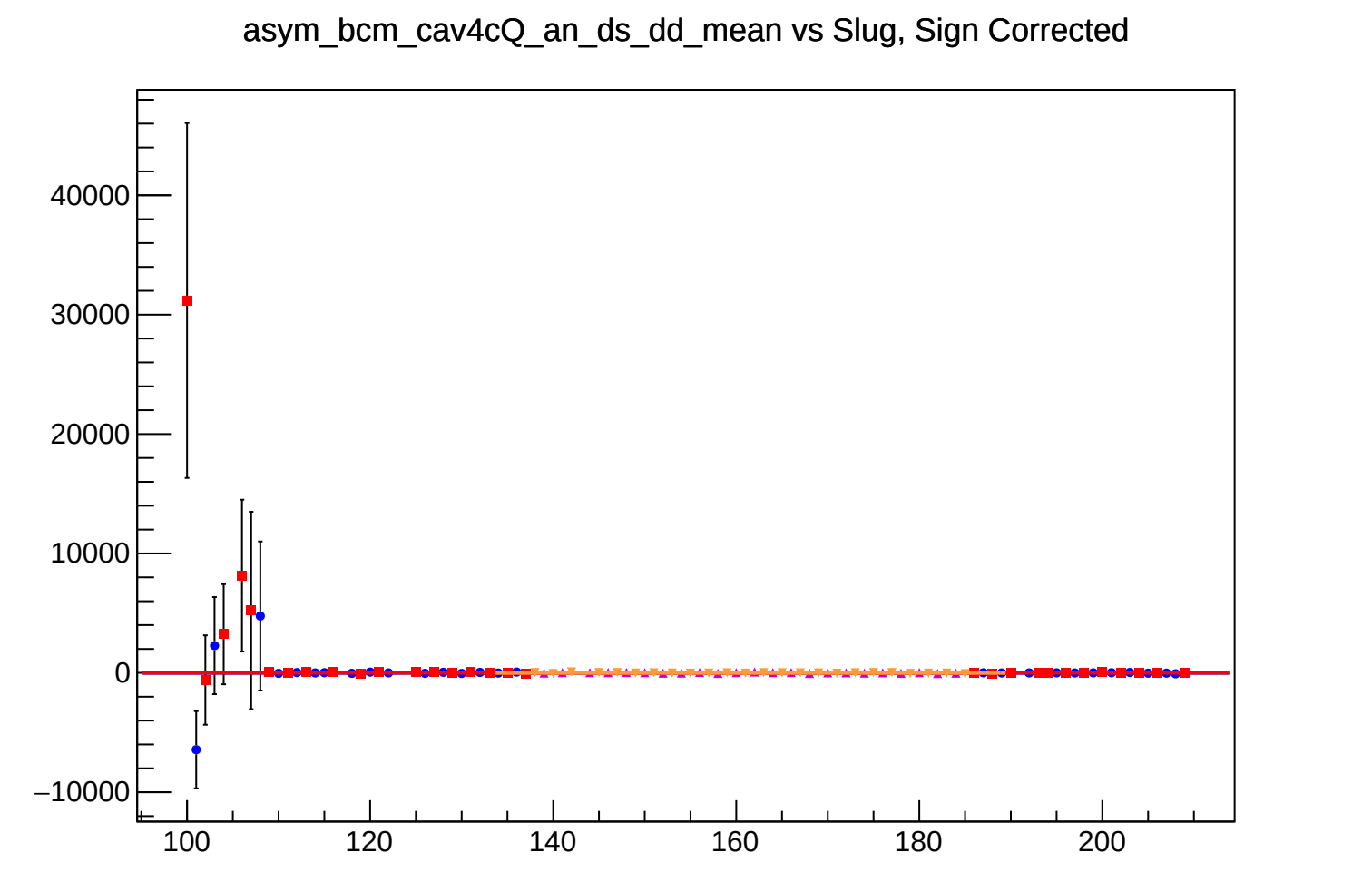
Left: 190.123+/-0.023 χ^2/NDF: 3332695.4/46

Right: 170.368+/-0.023 χ^2/NDF: 10286699.3/56

In: 177.835+/-0.023 χ^2/NDF:6396386.8/49

Out: 183.007+/-0.023 χ^2/NDF:7561411.4/53

All: 180.370+/-0.016 χ^2/NDF: 13982699.5/10



Right In: -4.880+/-7.257 χ^2/NDF: 28.9/26

Left Out: -11.111+/-6.653 χ^2/NDF:17.5/23

Right Out: 8.793+/-7.116 χ^2/NDF: 33.0/29

Left In: 2.576+/-6.732 χ^2/NDF:22.2/22

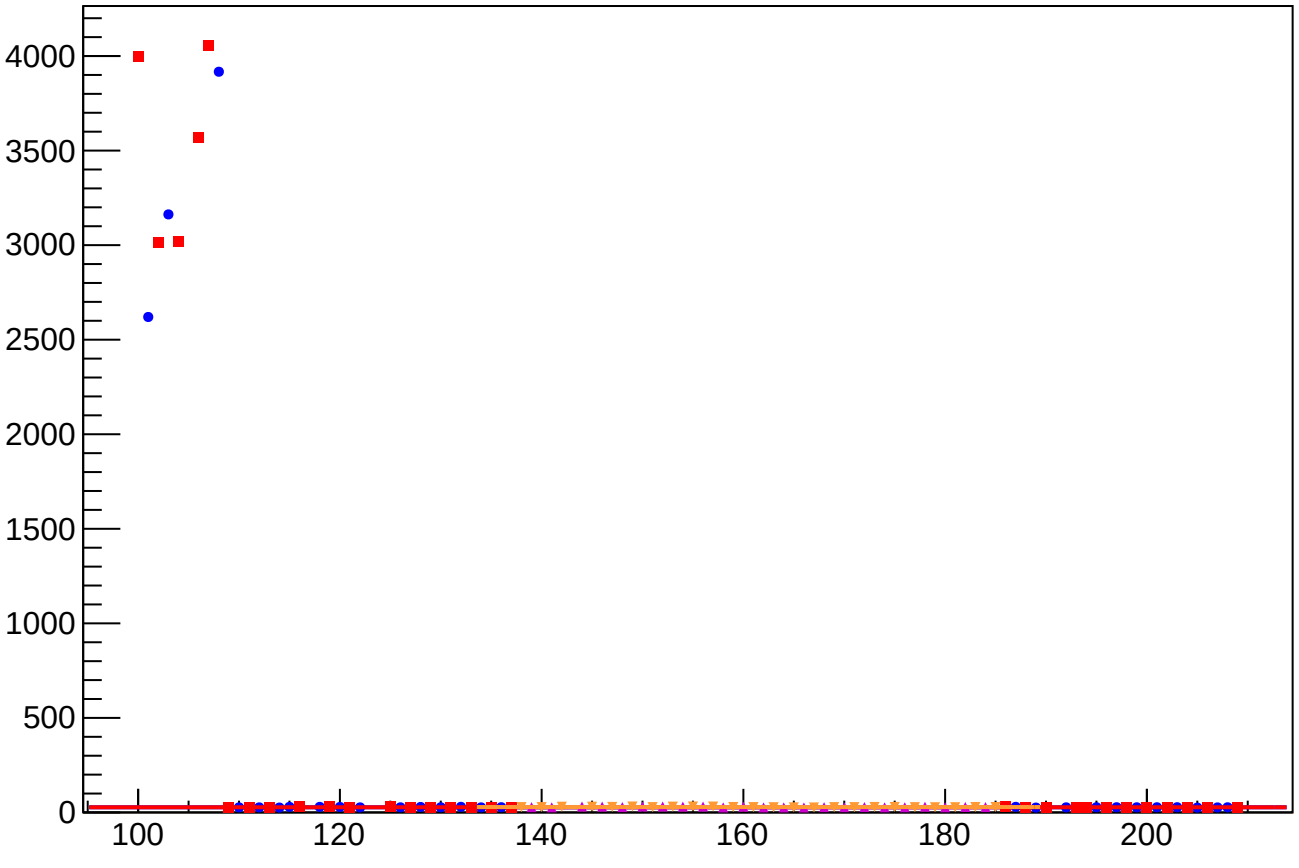
Left: -4.348+/-4.732 χ^2/NDF: 41.8/46

Right: 2.090+/-5.081 χ^2/NDF: 63.7/56

In: -0.873+/-4.935 χ^2/NDF:51.7/49

Out: -1.828+/-4.860 χ^2/NDF:54.7/53

All: -1.358+/-3.463 χ^2/NDF: 106.4/103



Right In: 27.321+/-0.005 χ^2/NDF: 3284730.6/26

Left Out: 28.592+/-0.005 χ^2/NDF:80997.4/23

Right Out: 27.360+/-0.005 χ^2/NDF: 3591095.4/29

Left In: 28.728+/-0.005 χ^2/NDF:127383.0/22

Left: 28.659+/-0.003 χ^2/NDF: 208789.7/46

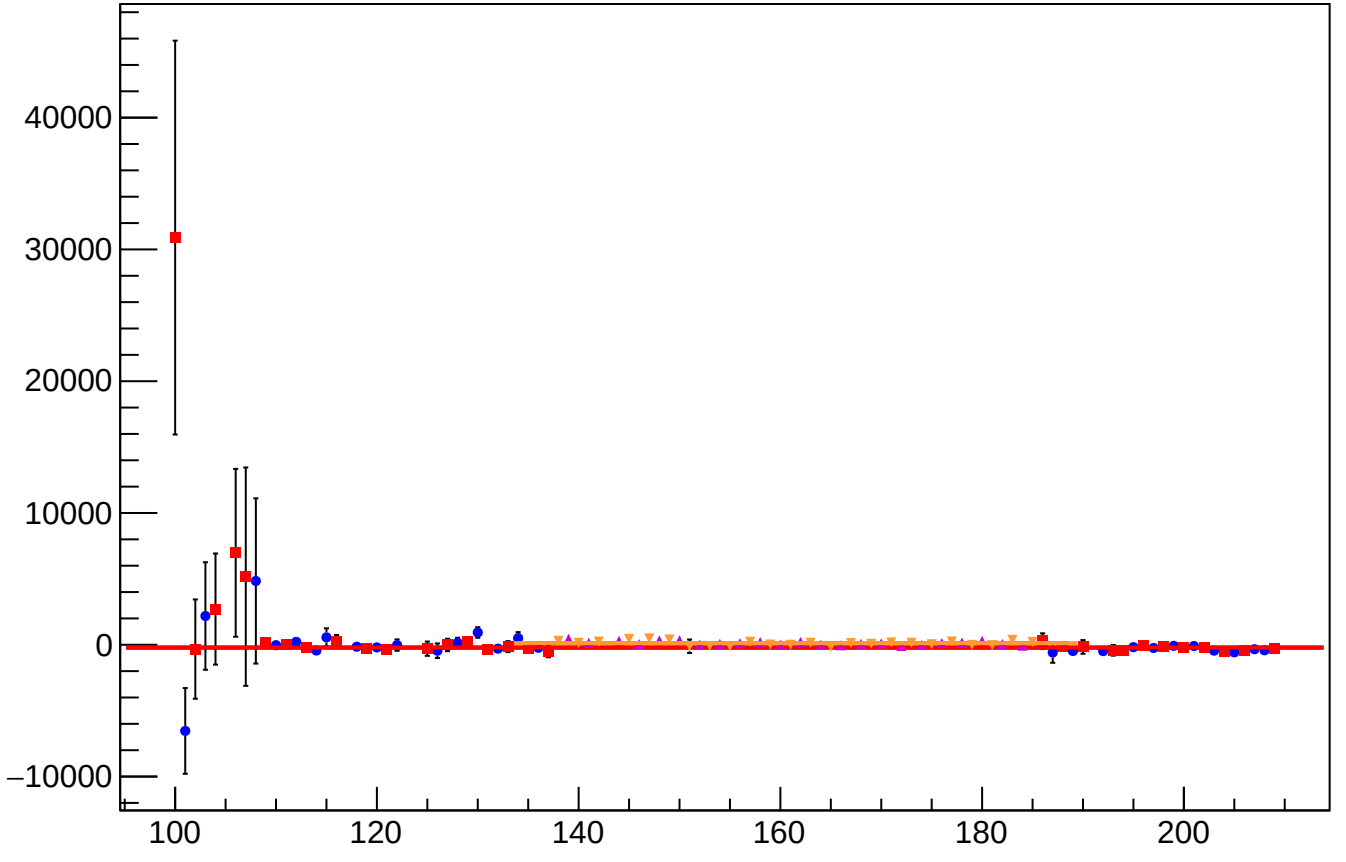
Right: 27.341+/-0.004 χ^2/NDF: 6875856.4/56

In: 28.077+/-0.003 χ^2/NDF:3452520.9/49

Out: 28.018+/-0.003 χ^2/NDF:3704078.3/53

All: 28.047+/-0.002 χ^2/NDF: 7156745.1/103

asym_bcm_cav4cQ_dg_ds_avg_mean vs Slug, Sign Corrected



Right In: -213.343+/-47.289 χ^2/NDF: 34.0/26

Left Out: 126.373+/-47.852 χ^2/NDF:11.6/23

Right Out: -208.852+/-46.401 χ^2/NDF: 23.3/29

Left In: 122.809+/-45.199 χ^2/NDF:8.0/22

Left: 124.489+/-32.858 χ^2/NDF: 19.6/46

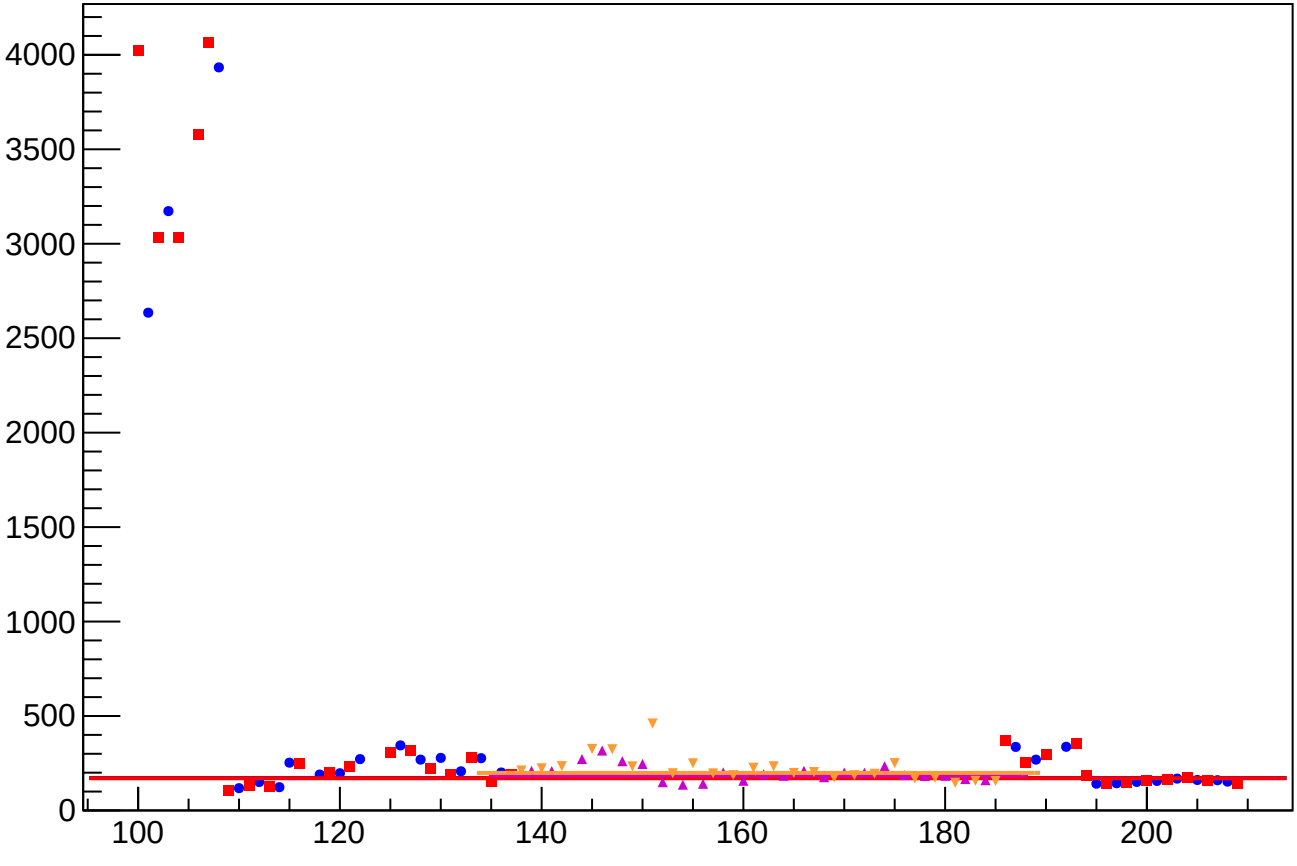
Right: -211.055+/-33.120 χ^2/NDF: 57.3/56

In: -37.673+/-32.674 χ^2/NDF:68.4/49

Out: -46.401+/-33.312 χ^2/NDF:60.2/53

All: -41.953+/-23.326 χ^2/NDF: 128.6/103

asym_bcm_cav4cQ_dg_ds_avg_rms vs Slug, Sign Corrected



Right In: 171.711+/-0.033 χ^2/NDF: 4867370.8/26

Left Out: 198.736+/-0.034 χ^2/NDF:1786406.6/23

Right Out: 170.558+/-0.033 χ^2/NDF: 5404237.8/29

Left In: 185.871+/-0.032 χ^2/NDF:1405525.2/22

Left: 191.937+/-0.023 χ^2/NDF: 3268326.7/46

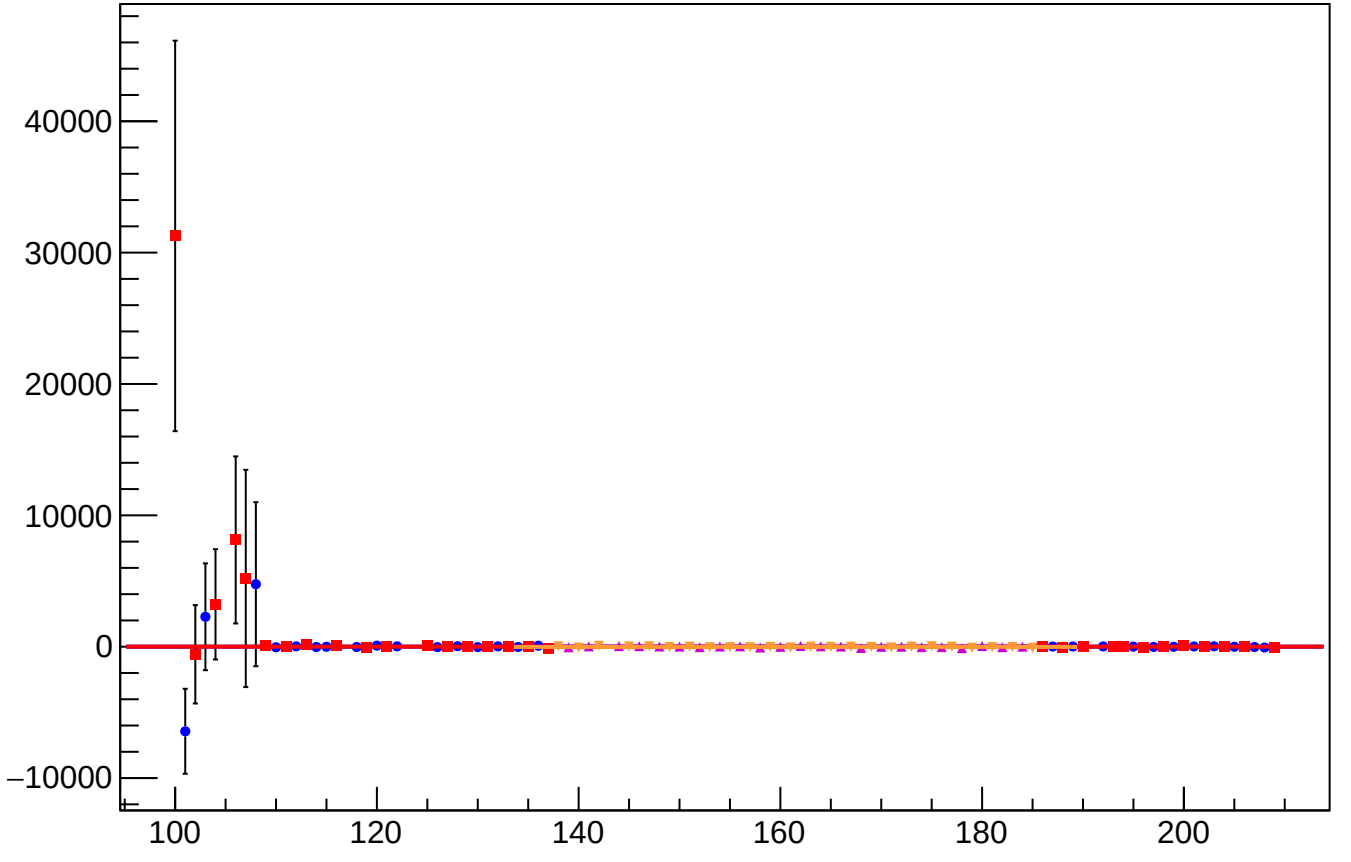
Right: 171.123+/-0.023 χ^2/NDF: 10272214.6/56

In: 179.111+/-0.023 χ^2/NDF:6366616.2/49

Out: 184.213+/-0.024 χ^2/NDF:7548080.4/53

All: 181.613+/-0.016 χ^2/NDF: 13938607.5/10

asym_bcm_cav4cQ_dg_ds_dd_mean vs Slug, Sign Corrected



Right In: 3.392+/-8.016 χ^2/NDF: 22.6/26

Left Out: -18.187+/-7.260 χ^2/NDF:20.3/23

Right Out: 3.796+/-7.865 χ^2/NDF: 38.8/29

Left In: -2.709+/-7.348 χ^2/NDF:35.5/22

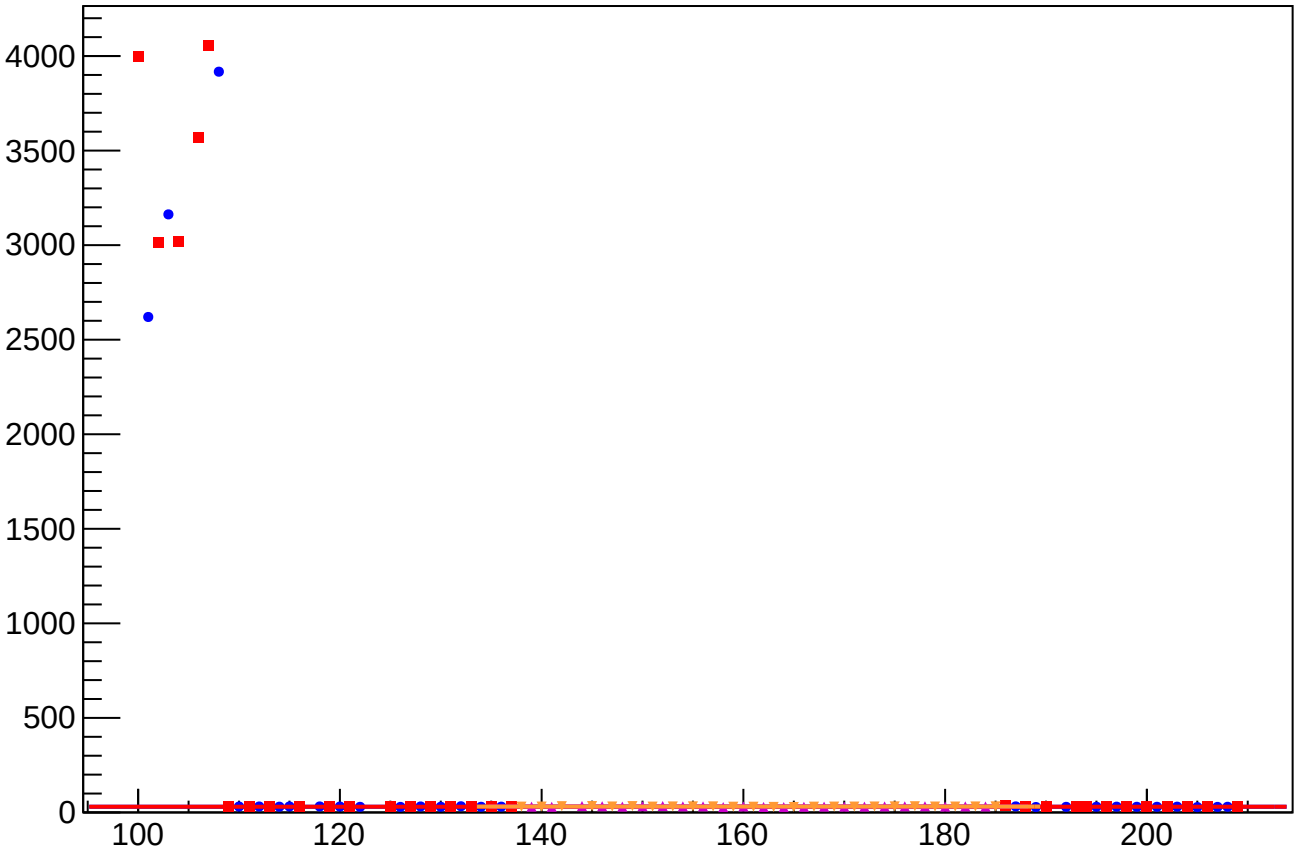
Left: -10.542+/-5.164 χ^2/NDF: 58.1/46

Right: 3.598+/-5.614 χ^2/NDF: 61.4/56

In: 0.076+/-5.417 χ^2/NDF:58.5/49

Out: -8.075+/-5.335 χ^2/NDF:63.3/53

All: -4.061+/-3.801 χ^2/NDF: 123.0/103



Right In: 30.191+/-0.006 χ^2/NDF: 3273603.3/26

Left Out: 31.221+/-0.005 χ^2/NDF:47423.0/23

Right Out: 30.261+/-0.006 χ^2/NDF: 3563926.4/29

Left In: 31.379+/-0.005 χ^2/NDF:85229.7/22

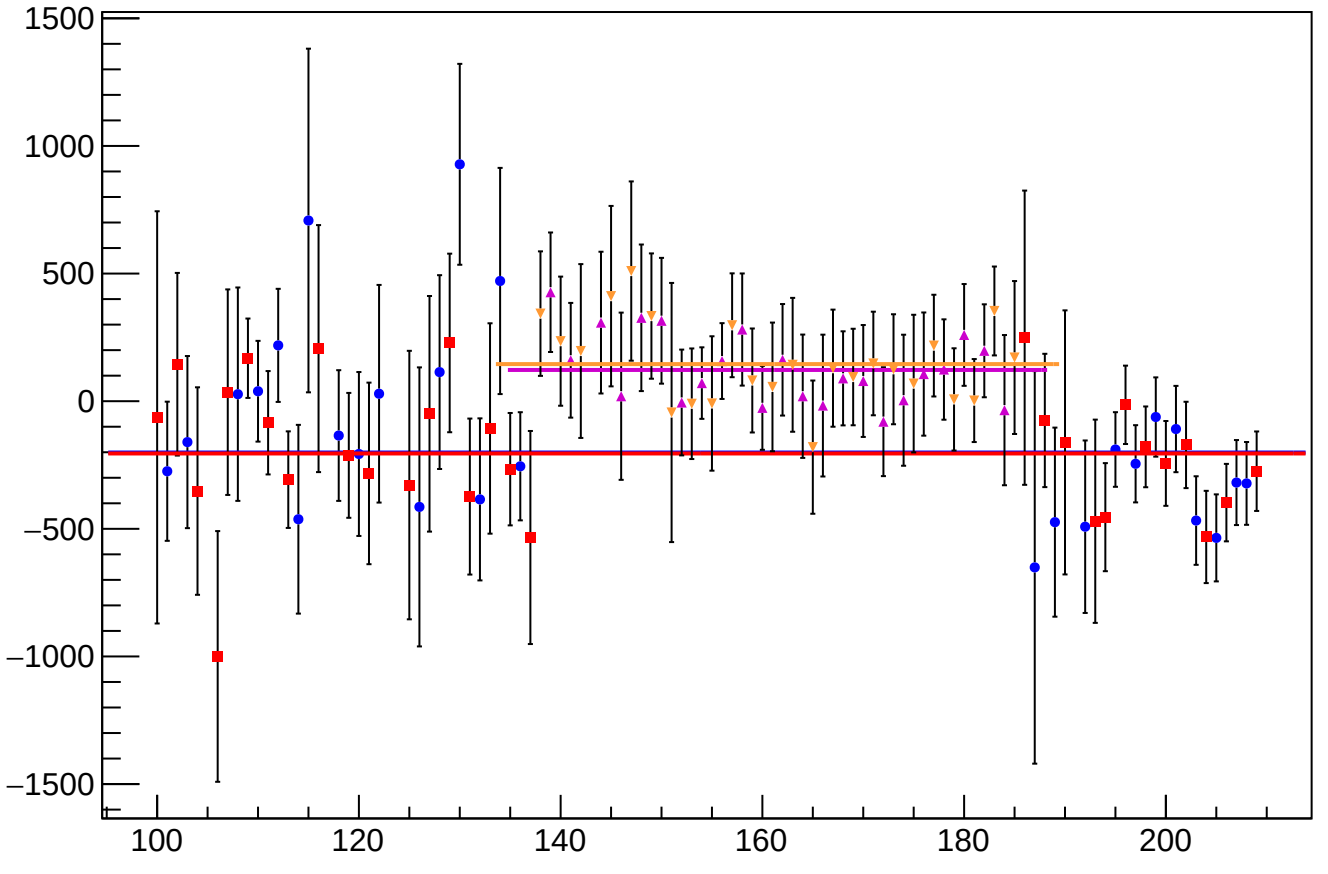
Left: 31.299+/-0.004 χ^2/NDF: 133120.3/46

Right: 30.227+/-0.004 χ^2/NDF: 6837608.2/56

In: 30.837+/-0.004 χ^2/NDF:3382725.3/49

Out: 30.780+/-0.004 χ^2/NDF:3627445.5/53

All: 30.808+/-0.003 χ^2/NDF: 7010283.3/103



Right In: -201.094+/-44.970 χ^2/NDF: 30.0/26

Left Out: 145.314+/-47.390 χ^2/NDF:9.4/23

Right Out: -204.810+/-43.577 χ^2/NDF: 23.5/29

Left In: 122.376+/-44.081 χ^2/NDF:7.9/22

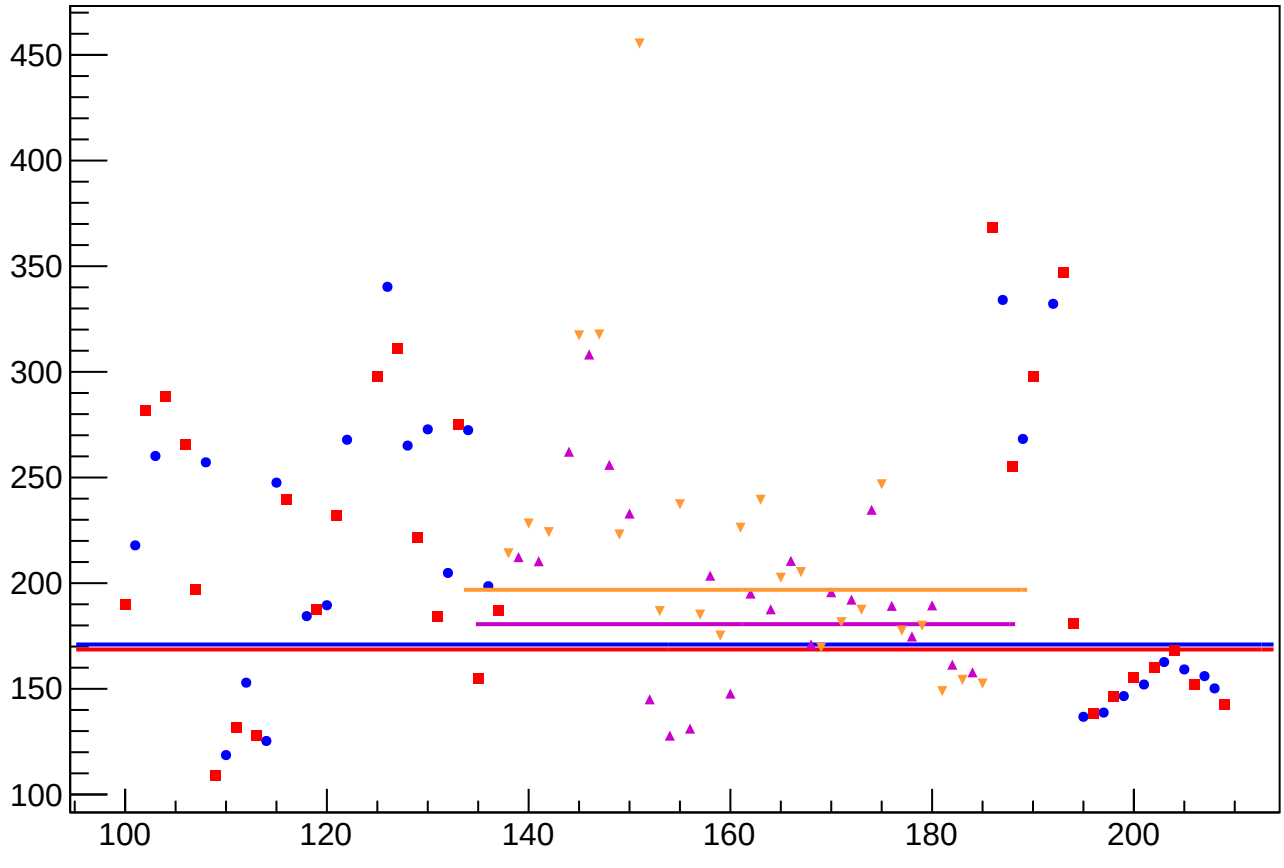
Left: 133.016+/-32.277 χ^2/NDF: 17.4/46

Right: -203.010+/-31.295 χ^2/NDF: 53.5/56

In: -36.129+/-31.480 χ^2/NDF:64.3/49

Out: -44.400+/-32.077 χ^2/NDF:62.4/53

All: -40.187+/-22.468 χ^2/NDF: 126.7/103



Right In: 170.974+/-0.032 χ^2/NDF: 2241758.6/26

Left Out: 196.873+/-0.034 χ^2/NDF:1725106.9/23

Right Out: 168.616+/-0.031 χ^2/NDF: 2751931.9/29

Left In: 180.601+/-0.031 χ^2/NDF:1628072.3/22

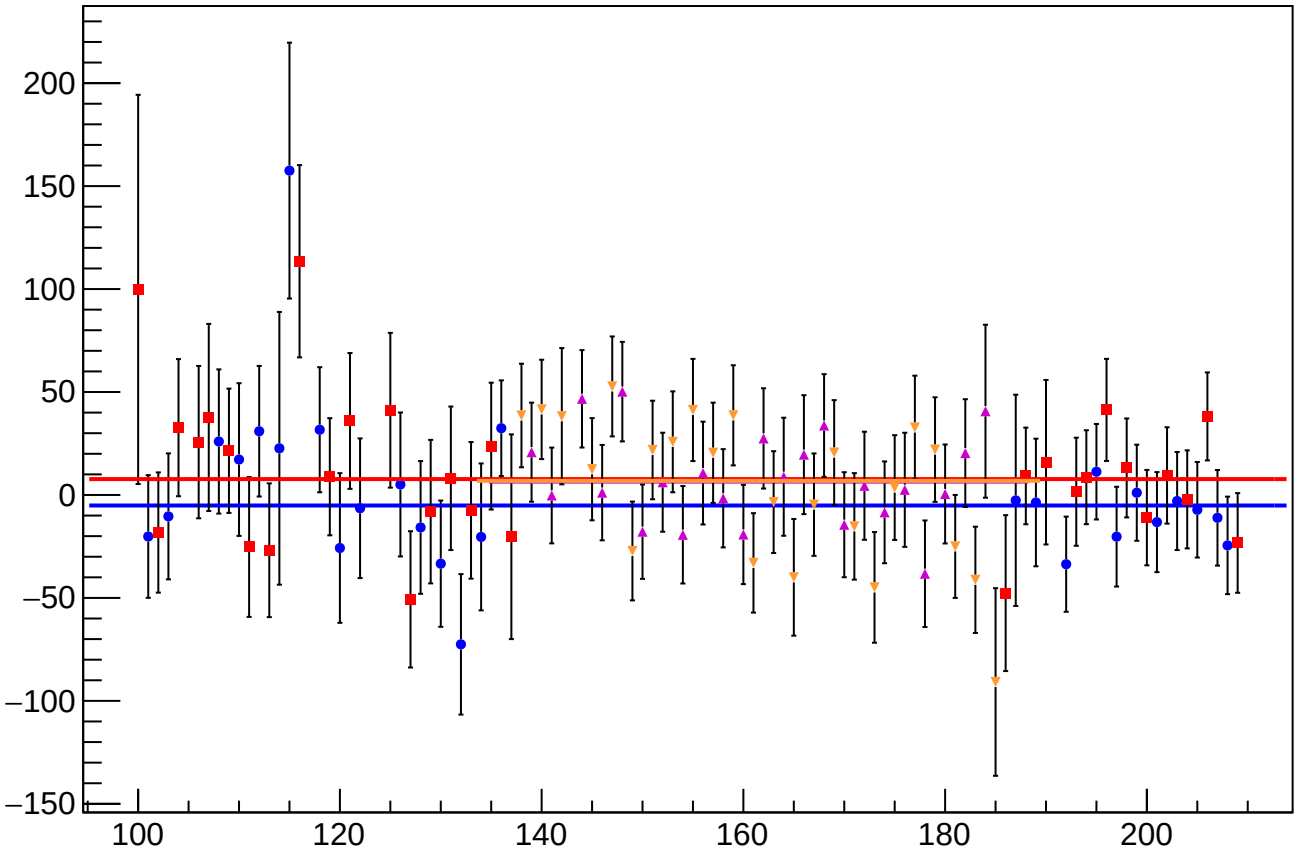
Left: 188.149+/-0.023 χ^2/NDF: 3479589.1/46

Right: 169.758+/-0.022 χ^2/NDF: 4996524.9/56

In: 175.884+/-0.022 χ^2/NDF:3916580.9/49

Out: 181.562+/-0.023 χ^2/NDF:4862311.7/53

All: 178.670+/-0.016 χ^2/NDF: 8810819.8/103



Right In: -5.117+/-5.597 χ^2/NDF: 22.6/26

Left Out: 6.857+/-5.229 χ^2/NDF:36.8/23

Right Out: 7.708+/-5.440 χ^2/NDF: 24.7/29

Left In: 6.482+/-5.247 χ^2/NDF:17.4/22

Left: 6.670+/-3.704 χ^2/NDF: 54.3/46

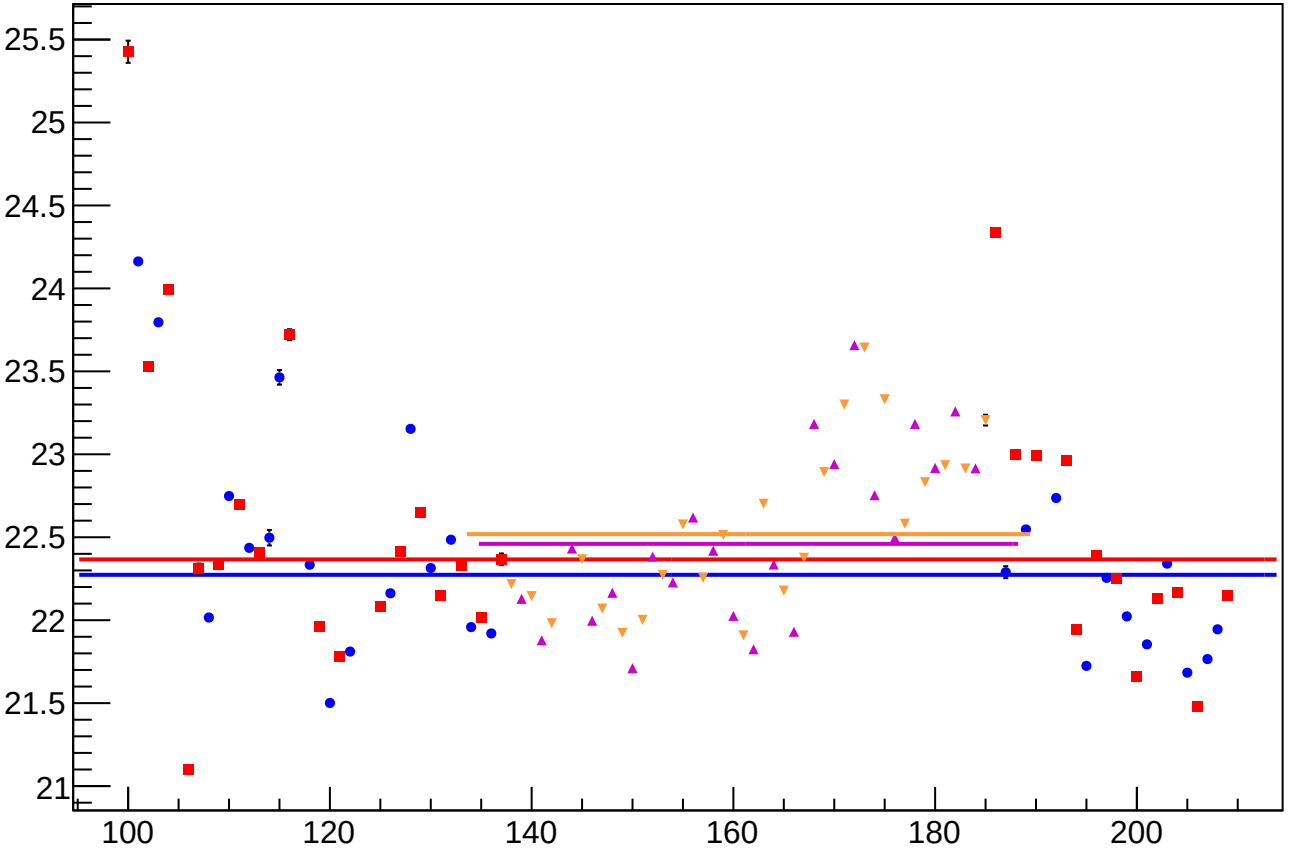
Right: 1.478+/-3.901 χ^2/NDF: 50.0/56

In: 1.057+/-3.828 χ^2/NDF:42.4/49

Out: 7.266+/-3.770 χ^2/NDF:61.5/53

All: 4.209+/-2.686 χ^2/NDF: 105.2/103

asym_bcm_dg_us_an_us_dd_rms vs Slug, Sign Corrected



Right In: 22.274+/-0.004 χ^2/NDF: 23287.3/26

Left Out: 22.519+/-0.004 χ^2/NDF:15998.2/23

Right Out: 22.366+/-0.004 χ^2/NDF: 30828.1/29

Left In: 22.460+/-0.004 χ^2/NDF:19117.2/22

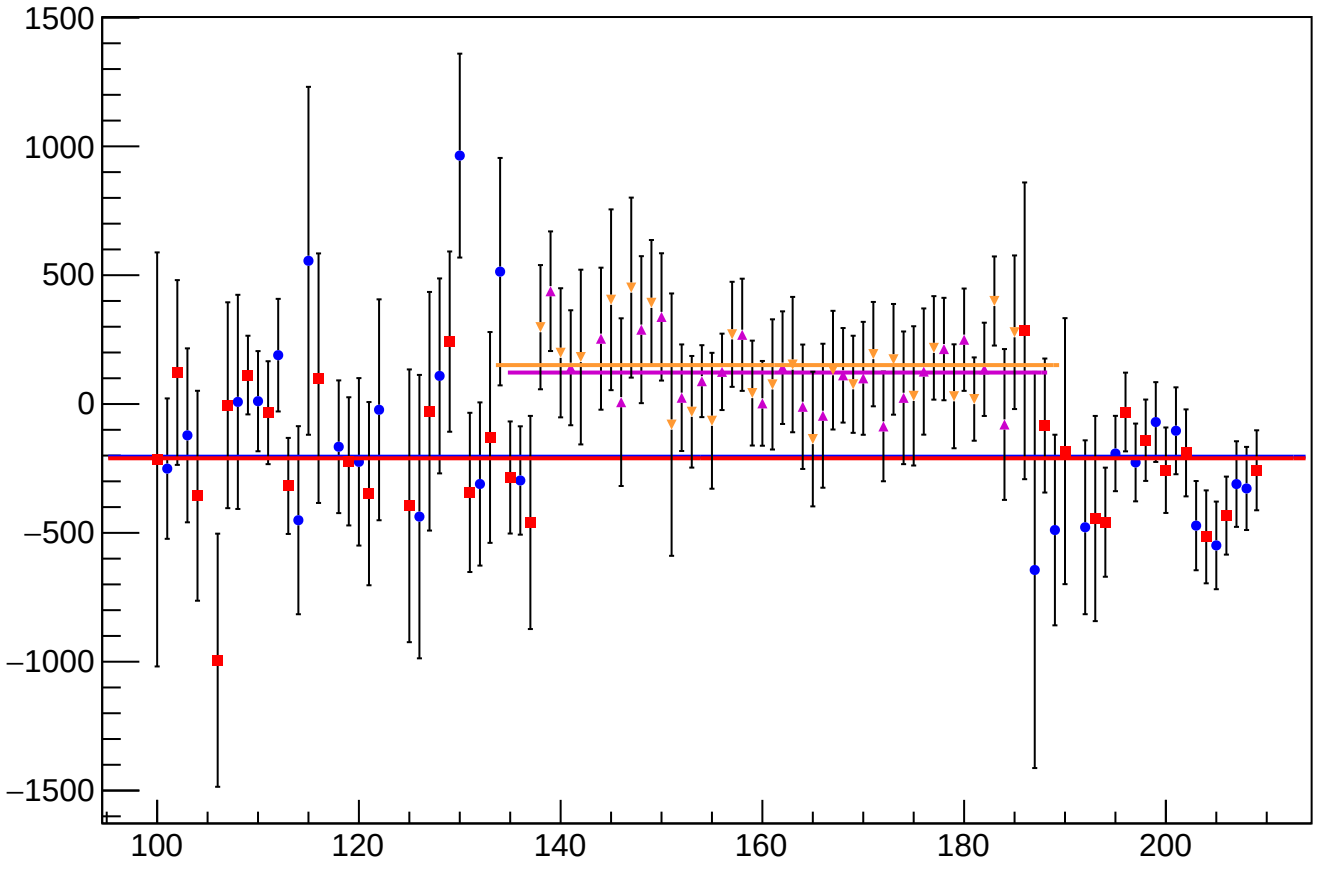
Left: 22.490+/-0.003 χ^2/NDF: 35241.2/46

Right: 22.321+/-0.003 χ^2/NDF: 54398.6/56

In: 22.373+/-0.003 χ^2/NDF:43588.1/49

Out: 22.446+/-0.003 χ^2/NDF:47643.4/53

All: 22.410+/-0.002 χ^2/NDF: 91598.7/103



Right In: -204.349+/-44.833 χ^2/NDF: 29.5/26

Left Out: 151.108+/-47.316 χ^2/NDF:10.0/23

Right Out: -210.600+/-43.389 χ^2/NDF: 22.1/29

Left In: 122.165+/-44.006 χ^2/NDF:7.5/22

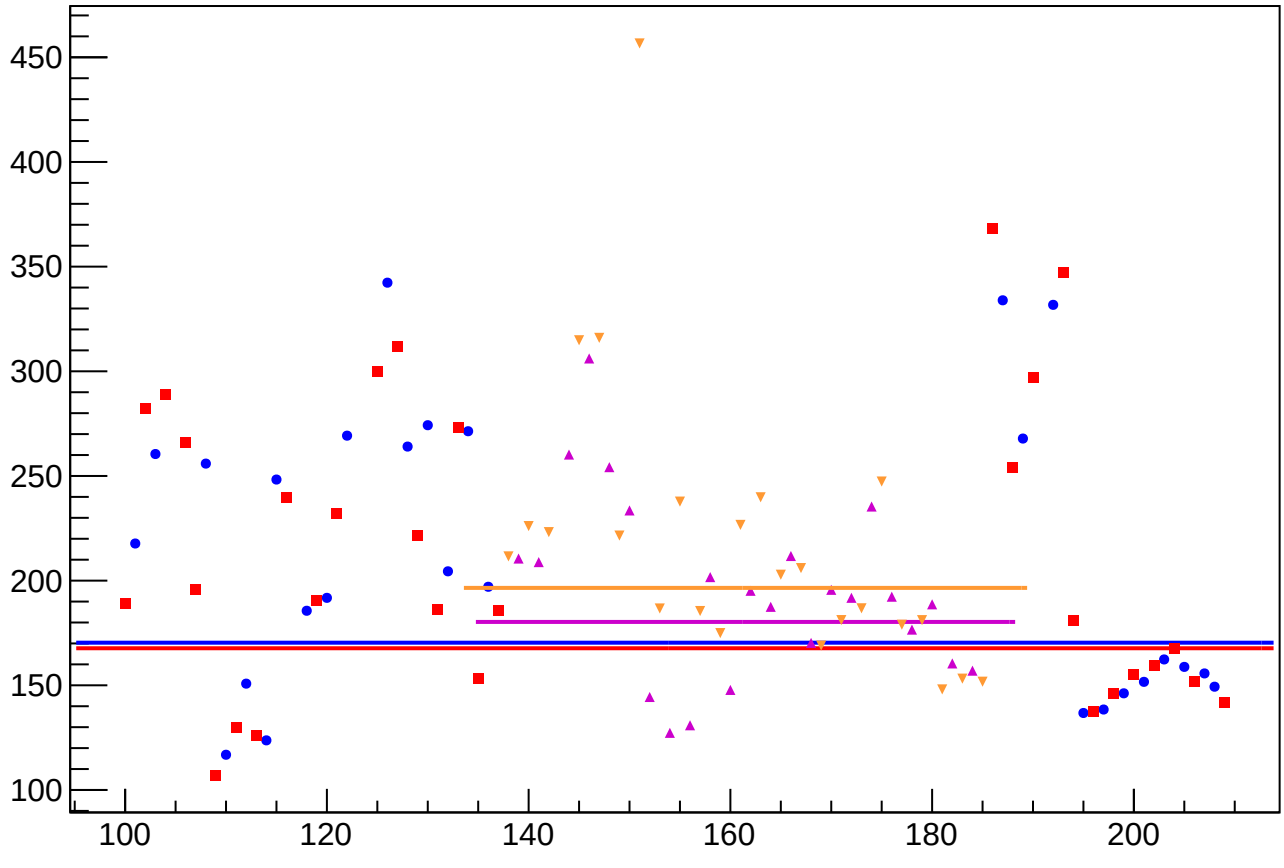
Left: 135.589+/-32.224 χ^2/NDF: 17.6/46

Right: -207.577+/-31.179 χ^2/NDF: 51.6/56

In: -38.052+/-31.405 χ^2/NDF:64.0/49

Out: -45.378+/-31.979 χ^2/NDF:63.8/53

All: -41.649+/-22.407 χ^2/NDF: 127.8/103



Right In: 170.358+/-0.032 χ^2/NDF: 2272220.3/26

Left Out: 196.533+/-0.033 χ^2/NDF:1727888.6/23

Right Out: 167.695+/-0.031 χ^2/NDF: 2819022.8/29

Left In: 180.274+/-0.031 χ^2/NDF:1624682.7/22

Left: 187.815+/-0.023 χ^2/NDF: 3479198.8/46

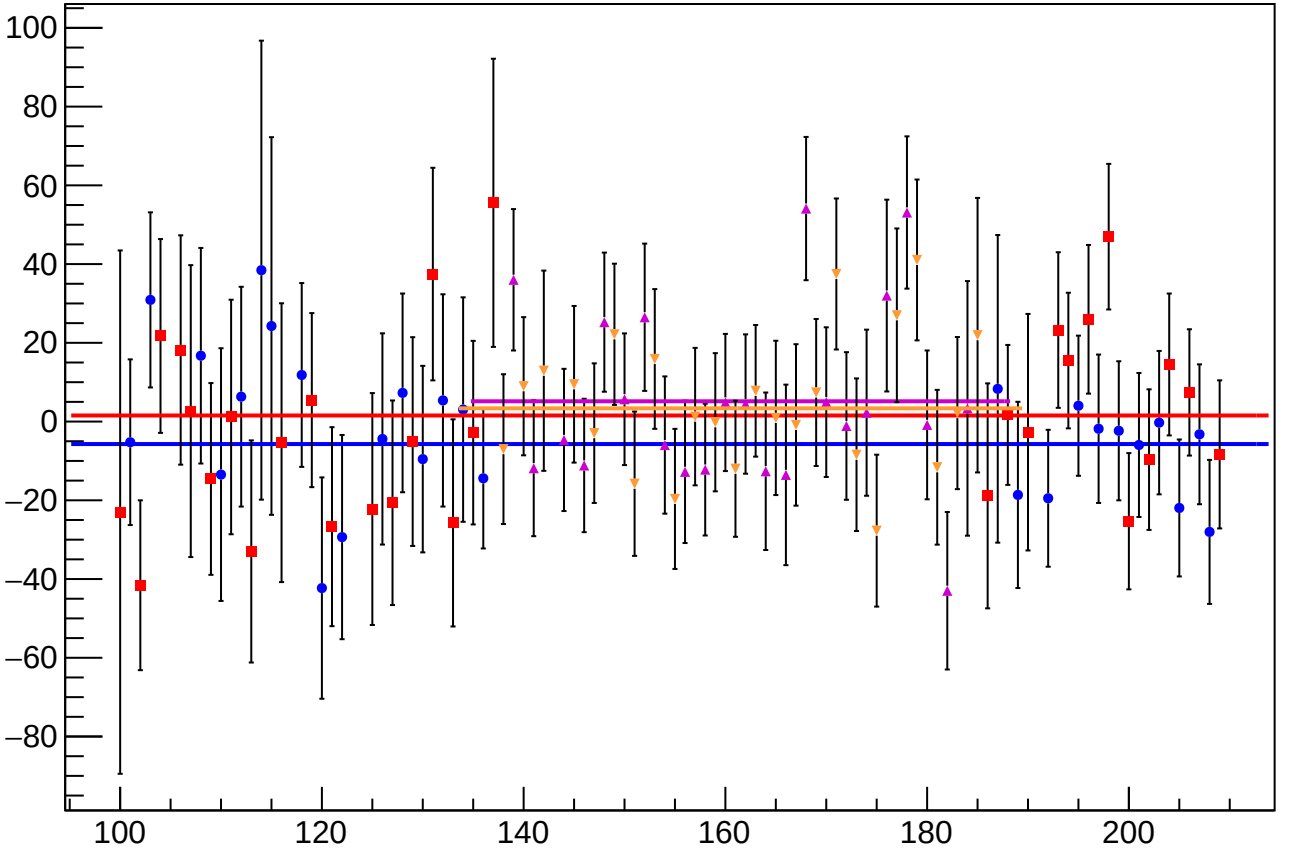
Right: 168.983+/-0.022 χ^2/NDF: 5094884.9/56

In: 175.408+/-0.022 χ^2/NDF:3946740.0/49

Out: 180.868+/-0.023 χ^2/NDF:4950485.4/53

All: 178.089+/-0.016 χ^2/NDF: 8926901.3/103

asym_bcm_dg_ds_an_us_dd_mean vs Slug, Sign Corrected



Right In: -5.713+/-4.300 χ^2/NDF: 12.4/26

Left Out: 3.359+/-3.905 χ^2/NDF:17.7/23

Right Out: 1.542+/-4.178 χ^2/NDF: 28.7/29

Left In: 5.150+/-3.924 χ^2/NDF:32.3/22

Left: 4.250+/-2.768 χ^2/NDF: 50.1/46

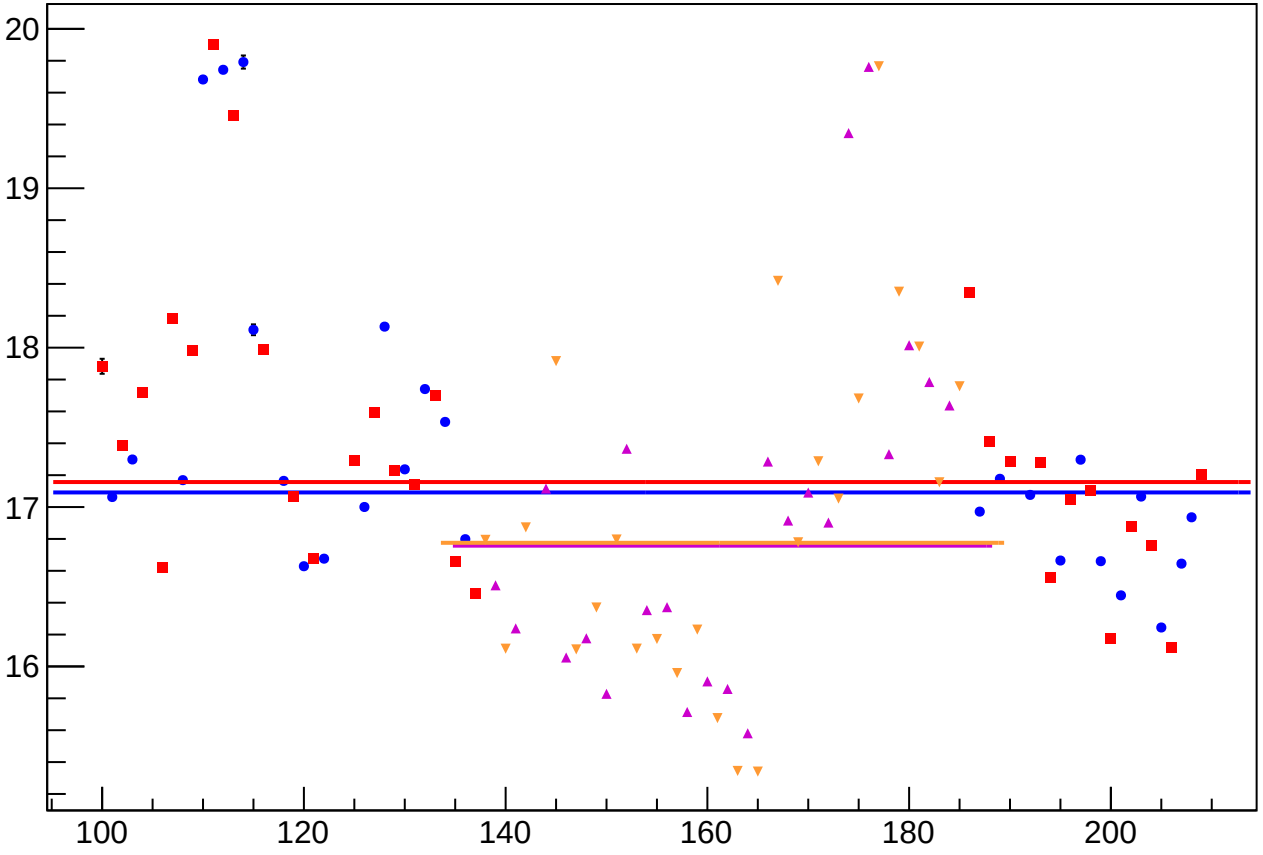
Right: -1.980+/-2.997 χ^2/NDF: 42.6/56

In: 0.215+/-2.899 χ^2/NDF:48.1/49

Out: 2.512+/-2.853 χ^2/NDF:46.5/53

All: 1.382+/-2.033 χ^2/NDF: 95.0/103

asym_bcm_dg_ds_an_us_dd_rms vs Slug, Sign Corrected



Right In: 17.092+/-0.003 χ^2/NDF: 54502.3/26

Left Out: 16.776+/-0.003 χ^2/NDF:136142.5/23

Right Out: 17.157+/-0.003 χ^2/NDF: 64039.0/29

Left In: 16.758+/-0.003 χ^2/NDF:123306.8/22

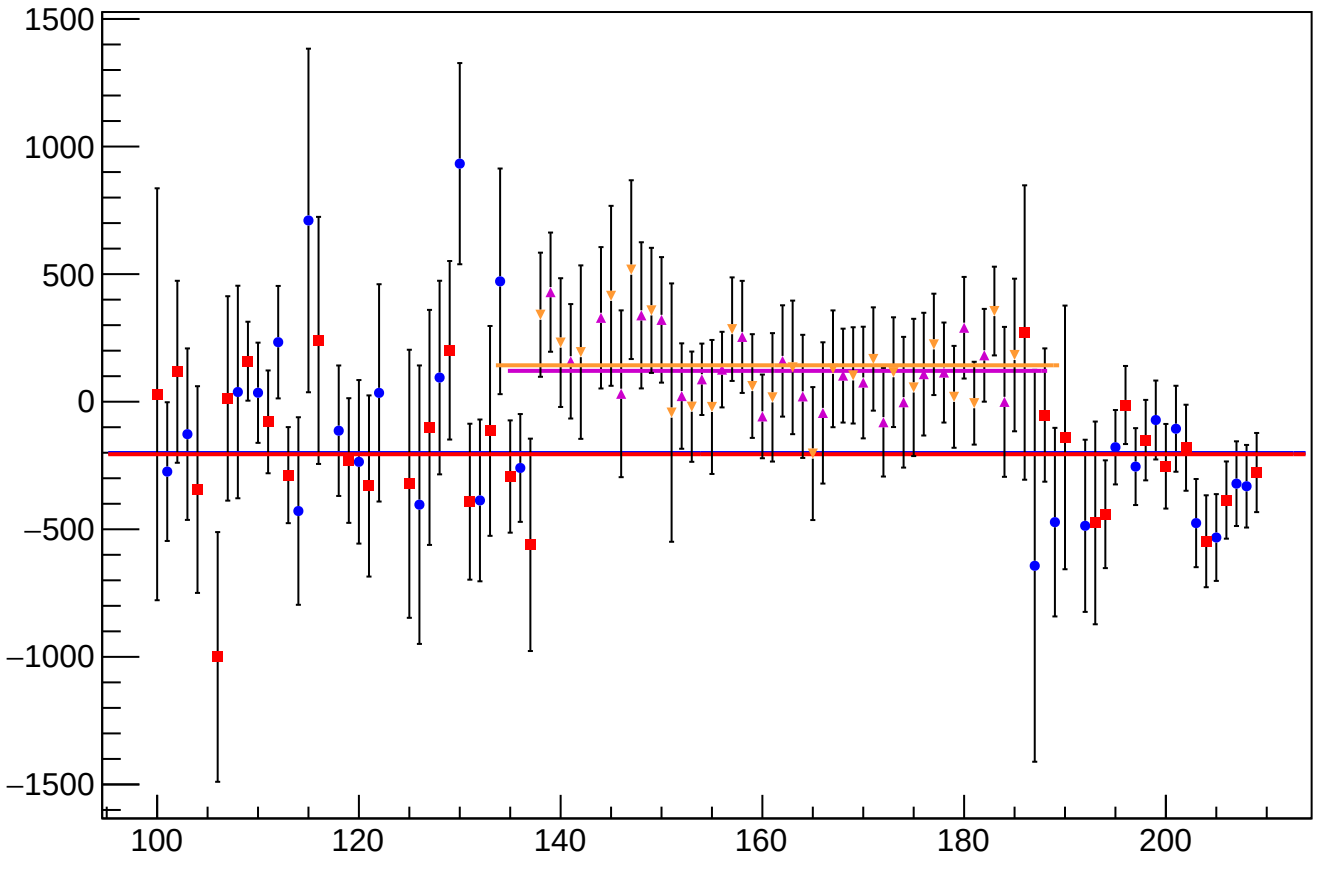
Left: 16.767+/-0.002 χ^2/NDF: 259470.4/46

Right: 17.125+/-0.002 χ^2/NDF: 118777.9/56

In: 16.909+/-0.002 χ^2/NDF:184388.0/49

Out: 16.953+/-0.002 χ^2/NDF:209067.6/53

All: 16.932+/-0.001 χ^2/NDF: 393689.2/103



Right In: -201.156+/-44.834 χ^2/NDF: 30.4/26

Left Out: 142.696+/-47.288 χ^2/NDF:10.2/23

Right Out: -205.822+/-43.446 χ^2/NDF: 23.6/29

Left In: 120.888+/-43.994 χ^2/NDF:8.2/22

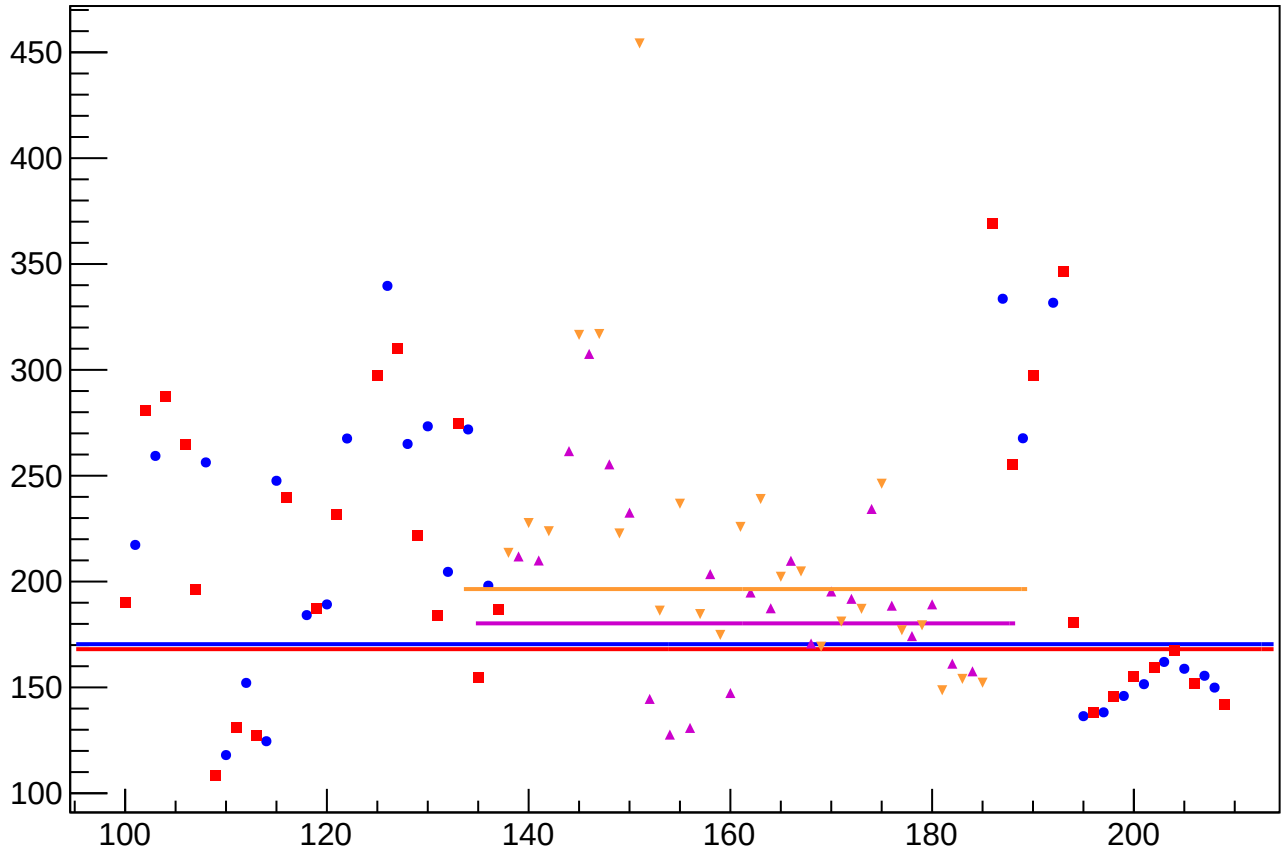
Left: 131.006+/-32.210 χ^2/NDF: 18.5/46

Right: -203.562+/-31.200 χ^2/NDF: 54.0/56

In: -37.090+/-31.401 χ^2/NDF:64.9/49

Out: -46.293+/-31.993 χ^2/NDF:63.2/53

All: -41.606+/-22.410 χ^2/NDF: 128.2/103



Right In: 170.420+/-0.032 χ^2/NDF: 2254065.3/26

Left Out: 196.452+/-0.033 χ^2/NDF:1723529.1/23

Right Out: 168.064+/-0.031 χ^2/NDF: 2769067.0/29

Left In: 180.248+/-0.031 χ^2/NDF:1627777.0/22

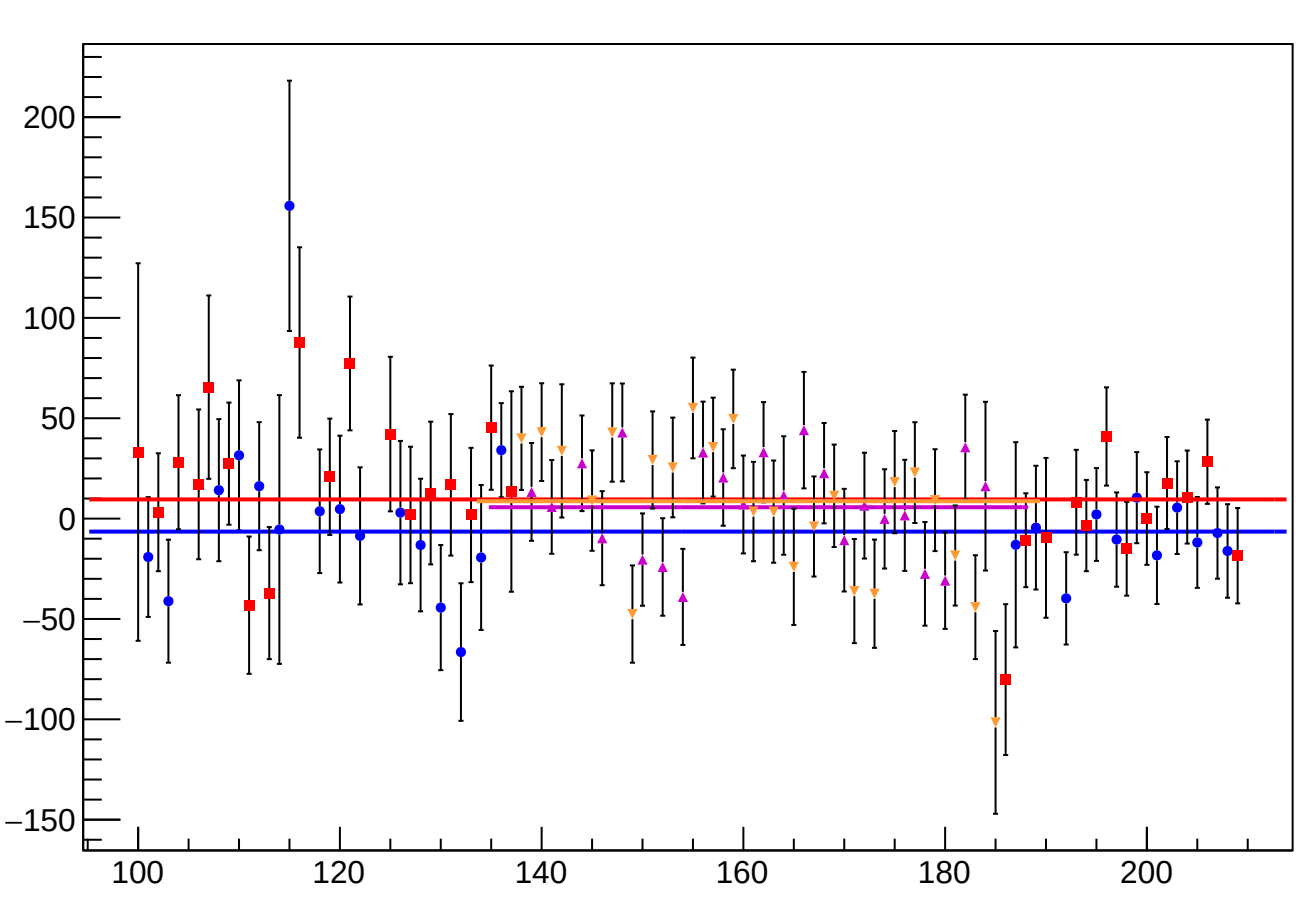
Left: 187.766+/-0.023 χ^2/NDF: 3477190.3/46

Right: 169.205+/-0.022 χ^2/NDF: 5025981.1/56

In: 175.427+/-0.022 χ^2/NDF:3930800.7/49

Out: 181.058+/-0.023 χ^2/NDF:4883452.6/53

All: 178.190+/-0.016 χ^2/NDF: 8845812.1/103



Right In: -6.478+/-5.569 χ^2/NDF: 21.7/26

Left Out: 8.664+/-5.275 χ^2/NDF:39.2/23

Right Out: 9.554+/-5.424 χ^2/NDF: 28.2/29

Left In: 5.668+/-5.286 χ^2/NDF:20.8/22

Left: 7.169+/-3.734 χ^2/NDF: 60.1/46

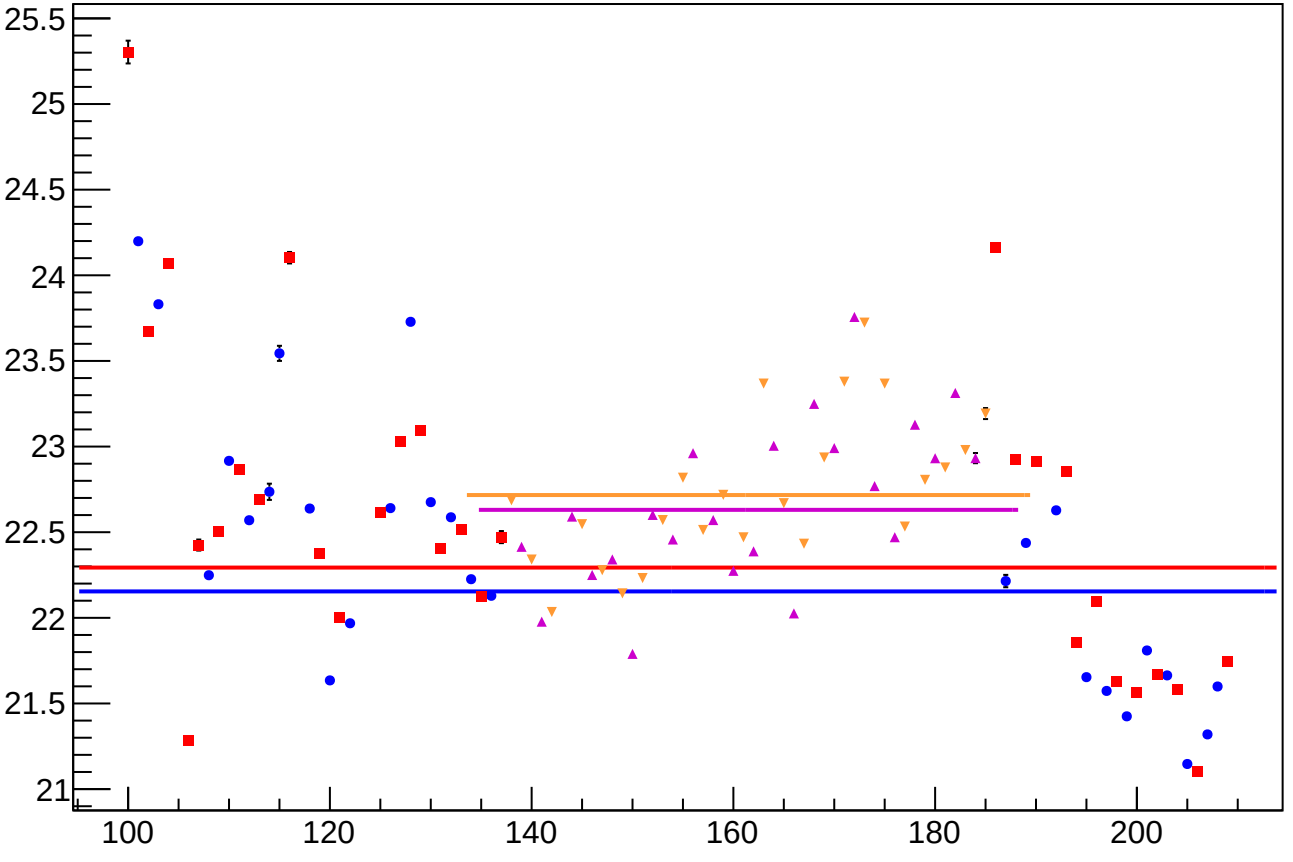
Right: 1.750+/-3.885 χ^2/NDF: 54.1/56

In: -0.089+/-3.834 χ^2/NDF:45.0/49

Out: 9.097+/-3.781 χ^2/NDF:67.3/53

All: 4.567+/-2.692 χ^2/NDF: 115.2/103

asym_bcm_dg_us_an_ds_dd_rms vs Slug, Sign Corrected



Right In: 22.154+/-0.004 χ^2/NDF: 38817.2/26

Left Out: 22.717+/-0.004 χ^2/NDF:12177.5/23

Right Out: 22.294+/-0.004 χ^2/NDF: 43026.5/29

Left In: 22.631+/-0.004 χ^2/NDF:15391.4/22

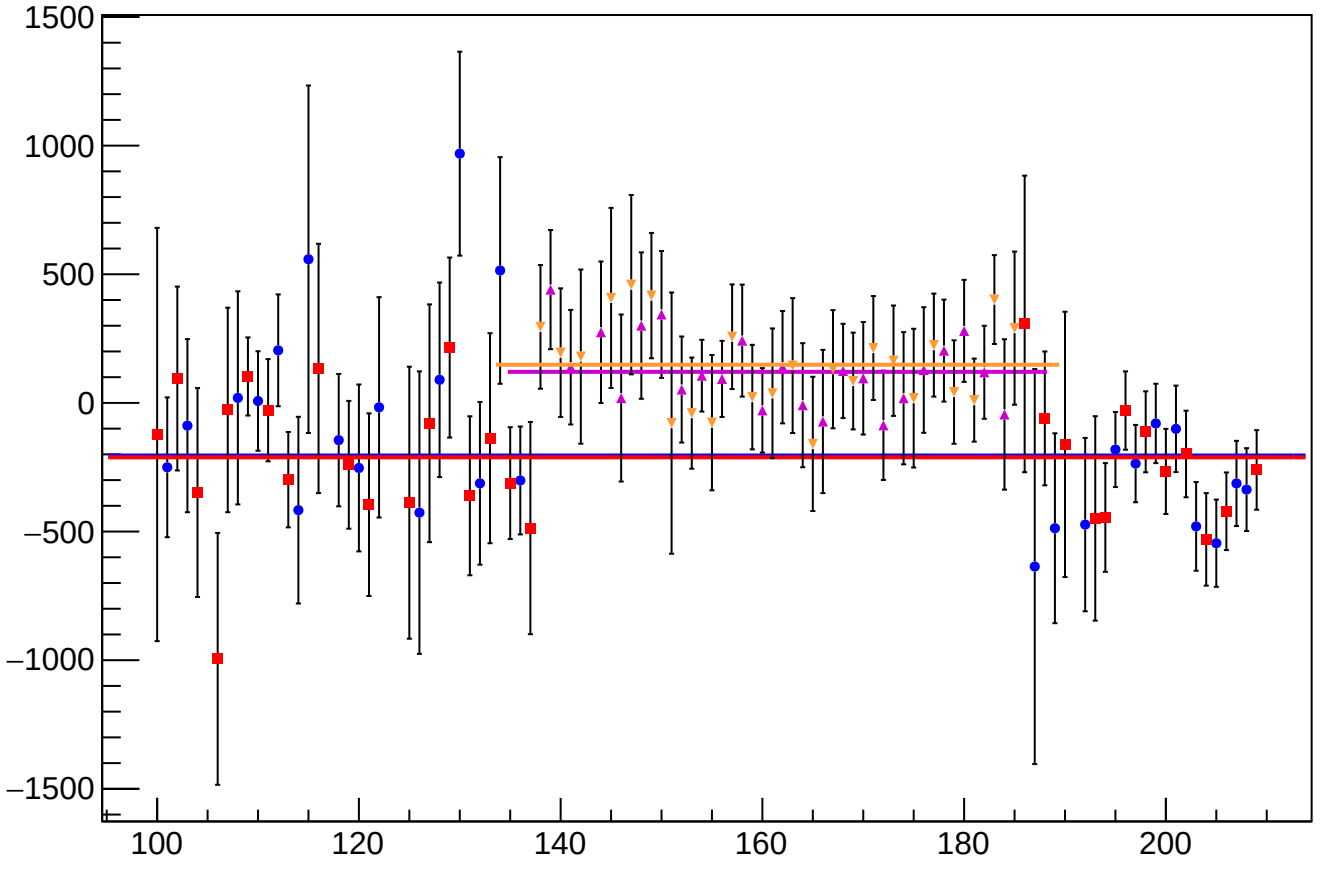
Left: 22.674+/-0.003 χ^2/NDF: 27836.8/46

Right: 22.226+/-0.003 χ^2/NDF: 82485.4/56

In: 22.405+/-0.003 χ^2/NDF:61903.0/49

Out: 22.511+/-0.003 χ^2/NDF:61469.3/53

All: 22.459+/-0.002 χ^2/NDF: 124152.3/103



Right In: -204.389+/-44.696 χ^2/NDF: 29.9/26

Left Out: 148.424+/-47.213 χ^2/NDF:10.9/23

Right Out: -211.590+/-43.256 χ^2/NDF: 22.2/29

Left In: 120.760+/-43.920 χ^2/NDF:7.9/22

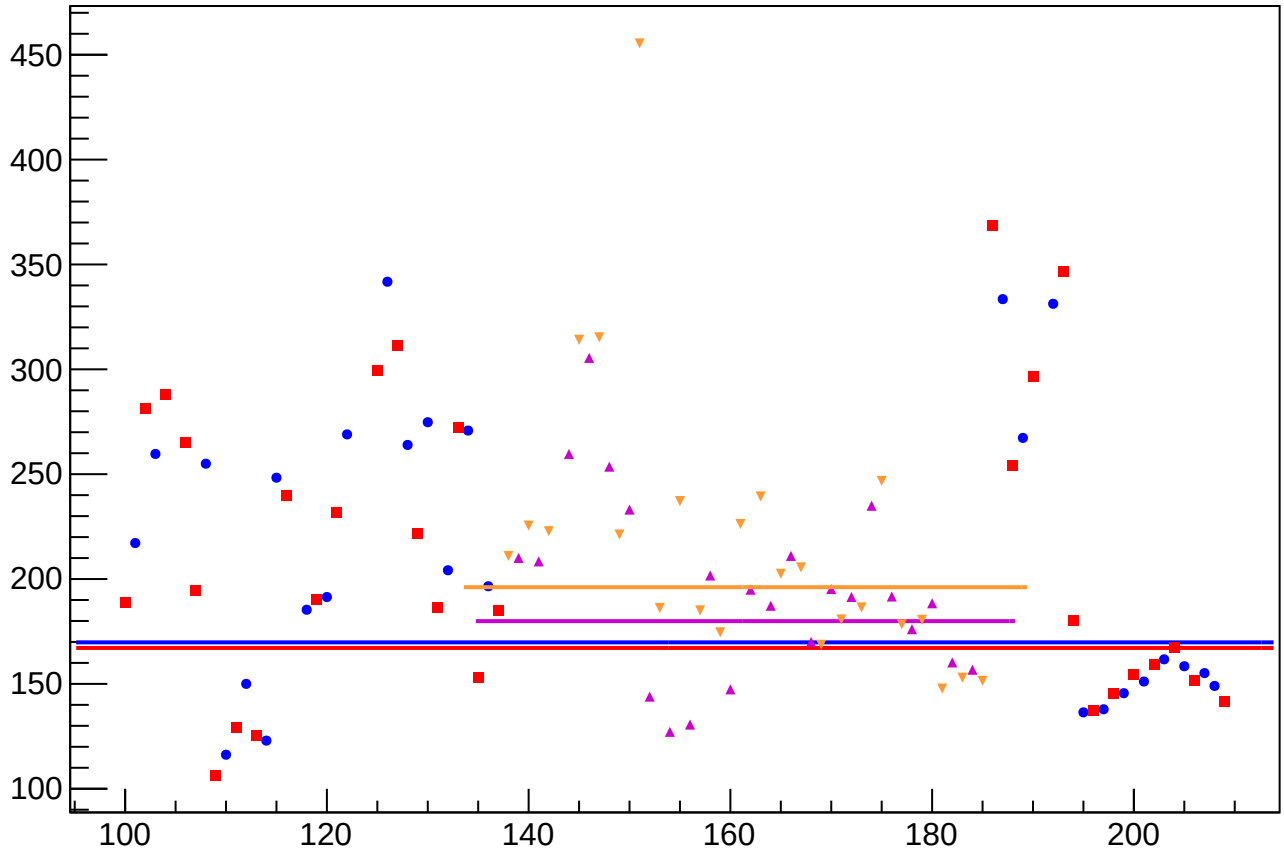
Left: 133.593+/-32.157 χ^2/NDF: 19.0/46

Right: -208.107+/-31.083 χ^2/NDF: 52.2/56

In: -38.968+/-31.327 χ^2/NDF:64.7/49

Out: -47.299+/-31.894 χ^2/NDF:64.8/53

All: -43.059+/-22.349 χ^2/NDF: 129.5/103



Right In: 169.799+/-0.032 χ^2/NDF: 2285010.3/26

Left Out: 196.112+/-0.033 χ^2/NDF:1726285.1/23

Right Out: 167.136+/-0.031 χ^2/NDF: 2836984.2/29

Left In: 179.923+/-0.031 χ^2/NDF:1624144.3/22

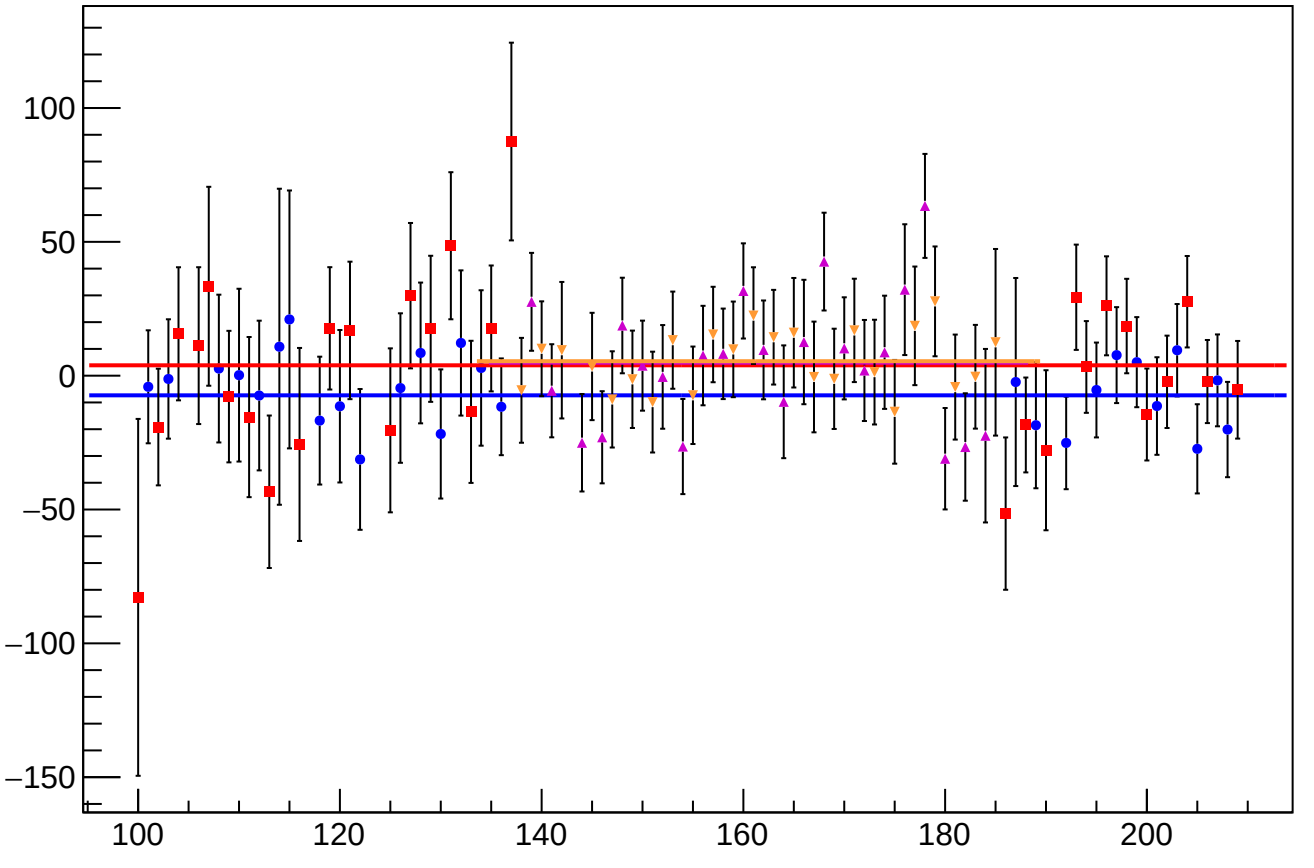
Left: 187.434+/-0.023 χ^2/NDF: 3476487.5/46

Right: 168.424+/-0.022 χ^2/NDF: 5125660.4/56

In: 174.950+/-0.022 χ^2/NDF:3961361.7/49

Out: 180.359+/-0.023 χ^2/NDF:4972816.2/53

All: 177.606+/-0.016 χ^2/NDF: 8963459.8/103



Right In: -7.343+/-4.257 χ^2/NDF: 8.8/26

Left Out: 5.406+/-3.972 χ^2/NDF:7.8/23

Right Out: 3.878+/-4.149 χ^2/NDF: 32.7/29

Left In: 4.858+/-3.980 χ^2/NDF:35.5/22

Left: 5.133+/-2.812 χ^2/NDF: 43.3/46

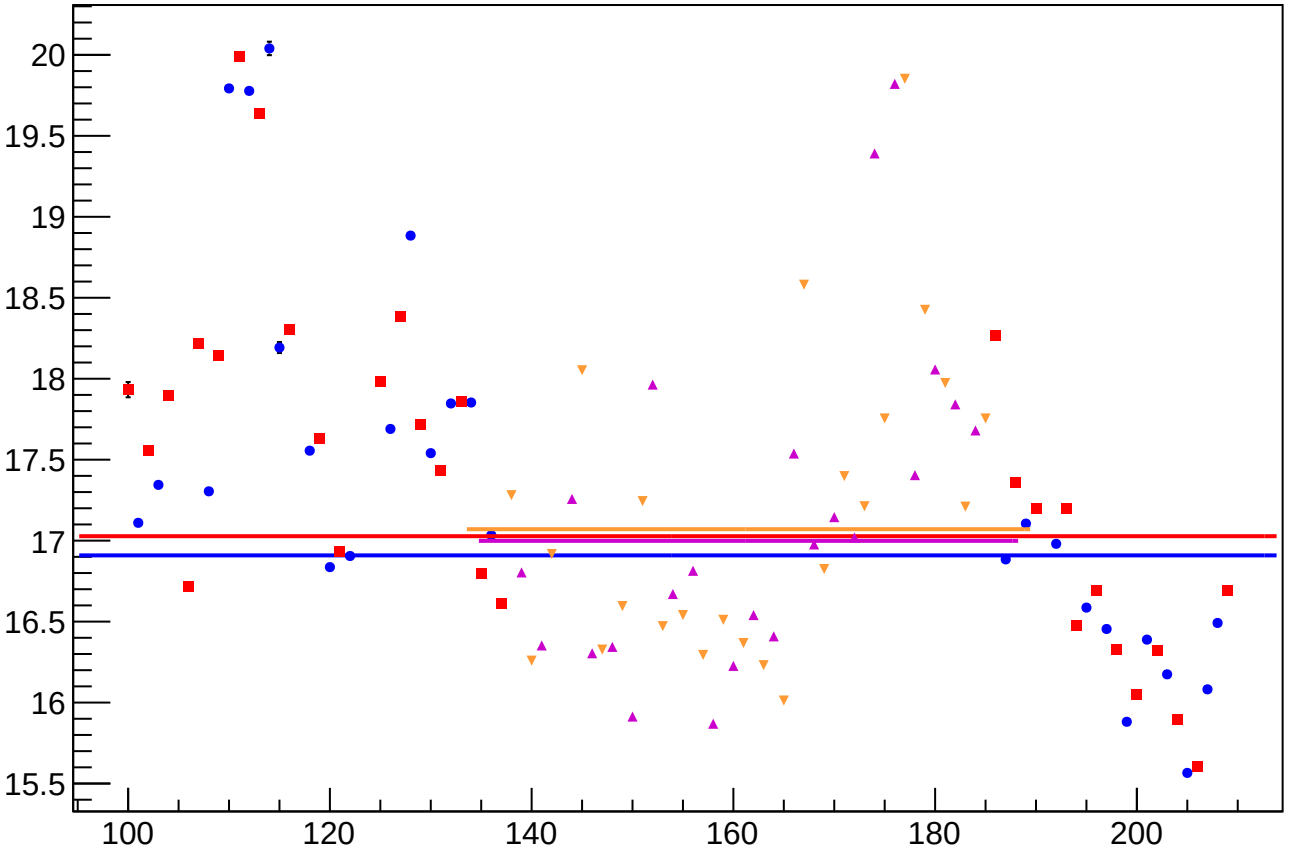
Right: -1.588+/-2.971 χ^2/NDF: 45.0/56

In: -0.832+/-2.908 χ^2/NDF:48.7/49

Out: 4.675+/-2.869 χ^2/NDF:40.5/53

All: 1.958+/-2.042 χ^2/NDF: 91.0/103

asym_bcm_dg_ds_an_ds_dd_rms vs Slug, Sign Corrected



Right In: 16.909+/-0.003 χ^2/NDF: 99289.6/26

Left Out: 17.071+/-0.003 χ^2/NDF:96312.6/23

Right Out: 17.028+/-0.003 χ^2/NDF: 108476.9/29

Left In: 16.999+/-0.003 χ^2/NDF:104021.0/22

Left: 17.035+/-0.002 χ^2/NDF: 200661.3/46

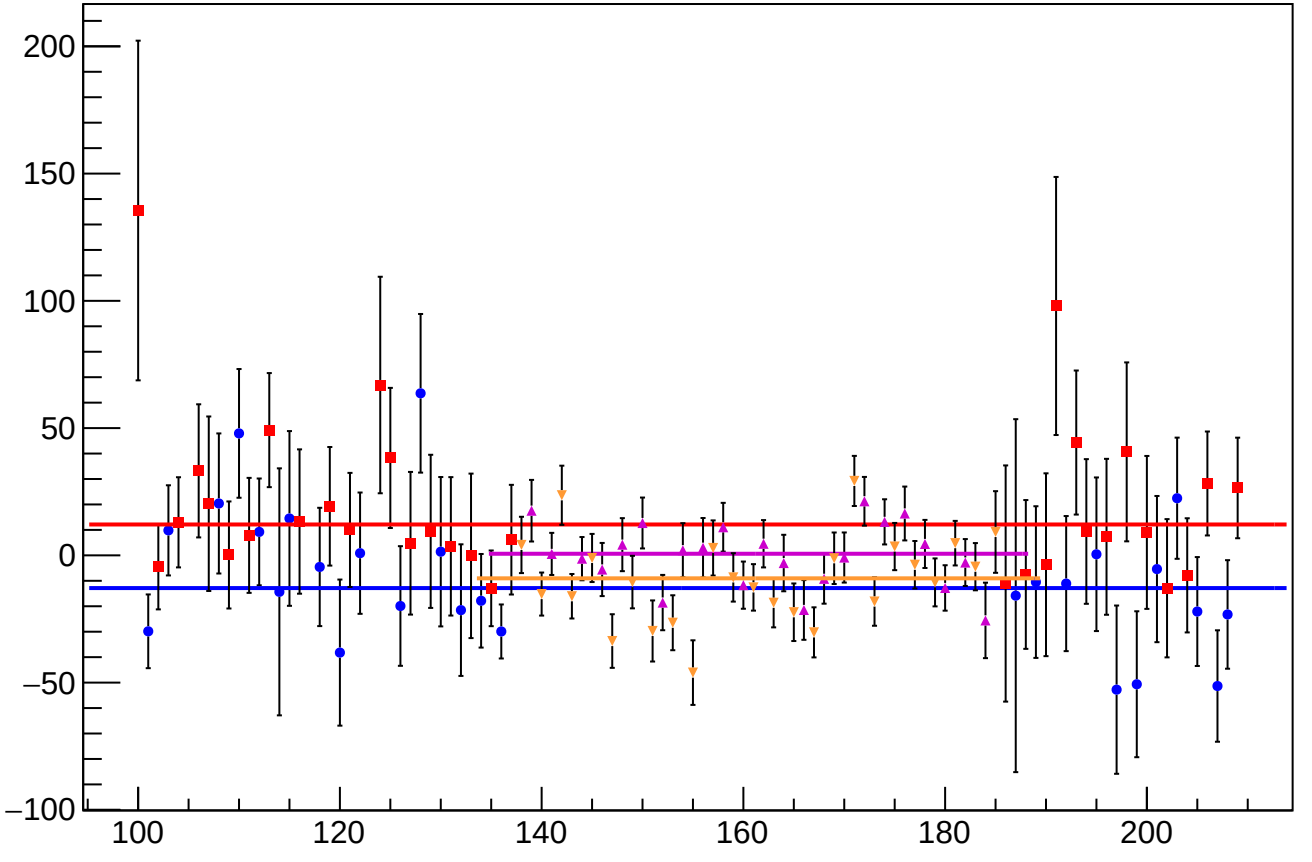
Right: 16.970+/-0.002 χ^2/NDF: 208561.4/56

In: 16.957+/-0.002 χ^2/NDF:203784.8/49

Out: 17.050+/-0.002 χ^2/NDF:204902.6/53

All: 17.004+/-0.001 χ^2/NDF: 409728.0/103

diff_bpm_4aX_4acX_avg_mean vs Slug, Sign Corrected



Right In: -12.856+/-4.387 χ^2/NDF: 31.5/26

Left Out: -9.027+/-2.006 χ^2/NDF:62.0/24

Right Out: 12.131+/-4.454 χ^2/NDF: 22.7/31

Left In: 0.628+/-2.079 χ^2/NDF:29.5/22

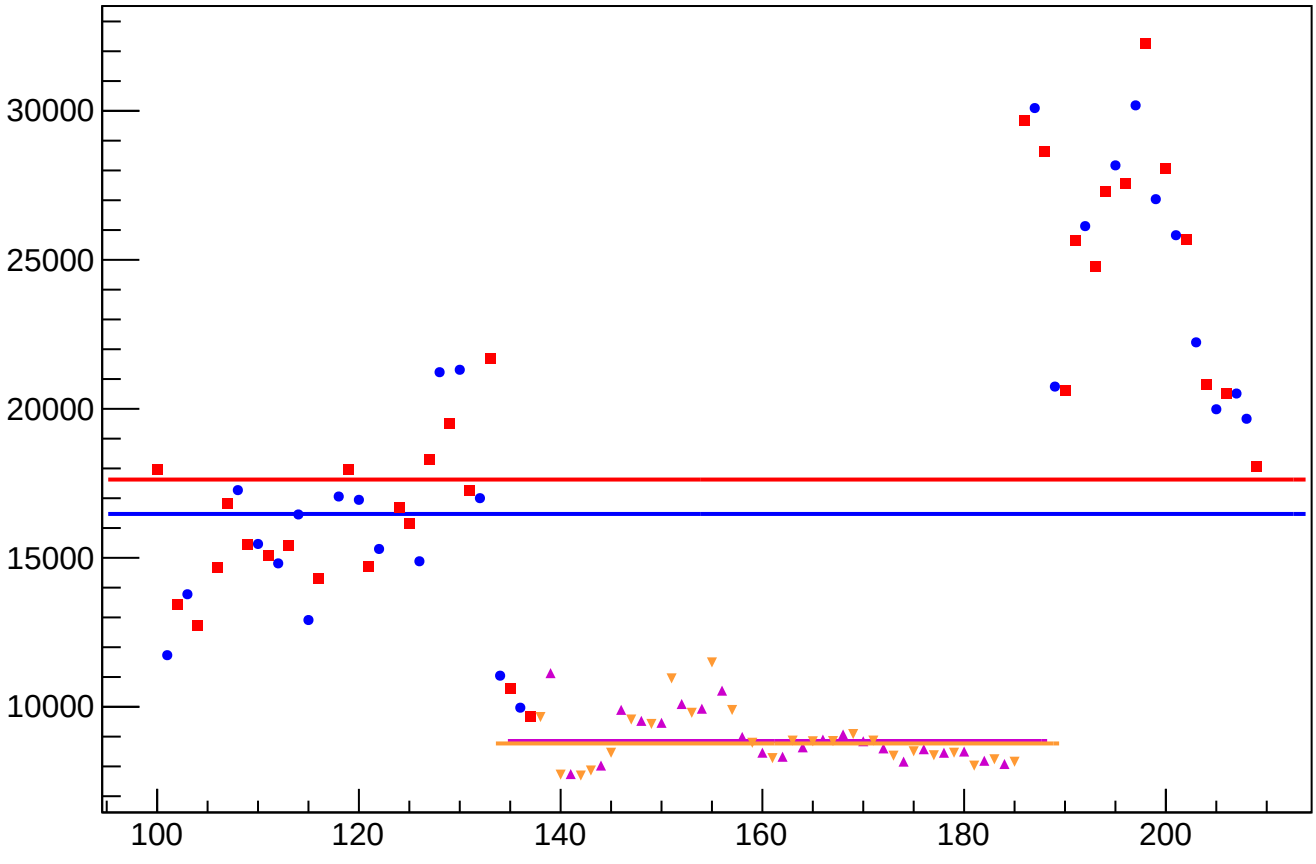
Left: -4.372+/-1.444 χ^2/NDF: 102.7/47

Right: -0.553+/-3.125 χ^2/NDF: 70.2/58

In: -1.846+/-1.879 χ^2/NDF:68.8/49

Out: -5.458+/-1.829 χ^2/NDF:103.4/56

All: -3.700+/-1.311 χ^2/NDF: 174.1/106



Right In: 16472.560+/-3.102 χ^2/NDF: 3137278.2/26

Left Out: 8770.330+/-1.419 χ^2/NDF:345180.6/24

Right Out: 17626.842+/-3.149 χ^2/NDF: 3093844.6/31

Left In: 8852.820+/-1.470 χ^2/NDF:299860.4/22

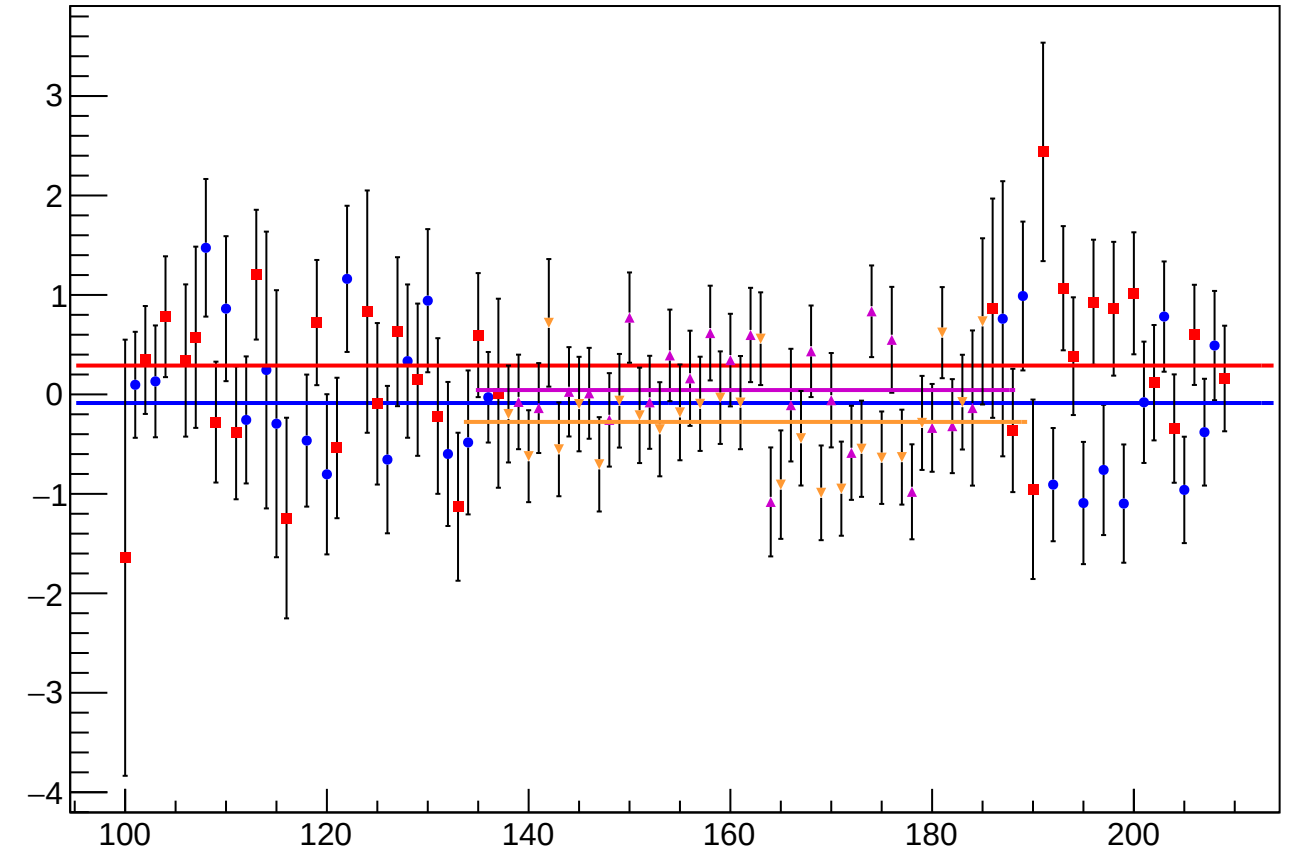
Left: 8810.105+/-1.021 χ^2/NDF: 646671.0/47

Right: 17040.903+/-2.210 χ^2/NDF: 6299310.3/58

In: 10250.763+/-1.329 χ^2/NDF:8364772.5/49

Out: 10264.435+/-1.294 χ^2/NDF:10012915.6/56

All: 10257.782+/-0.927 χ^2/NDF: 18377742.5



Right In: -0.087+/-0.126 χ^2/NDF: 32.6/26

Left Out: -0.277+/-0.097 χ^2/NDF:21.0/24

Right Out: 0.290+/-0.122 χ^2/NDF: 28.3/31

Left In: 0.044+/-0.100 χ^2/NDF:23.8/22

Left: -0.121+/-0.070 χ^2/NDF: 50.1/47

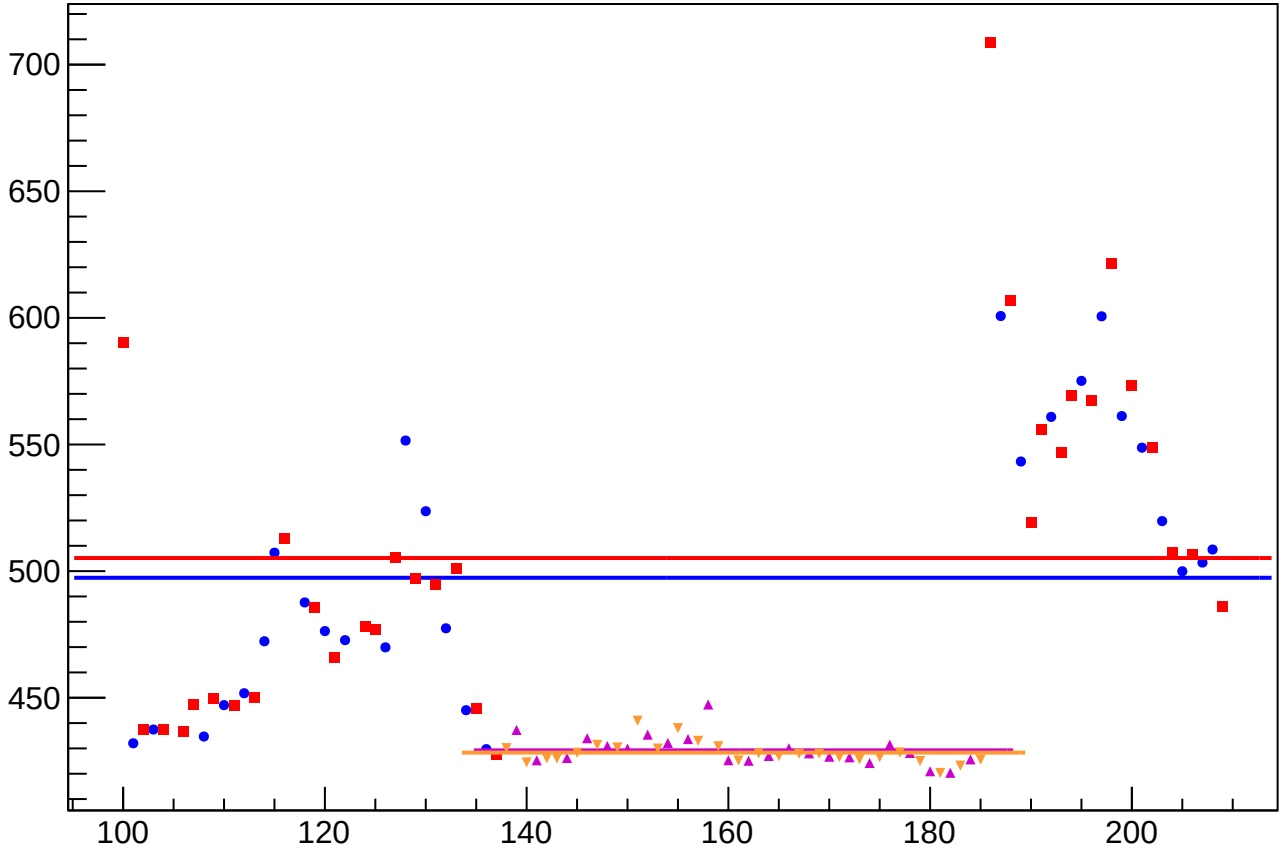
Right: 0.107+/-0.088 χ^2/NDF: 65.6/58

In: -0.007+/-0.078 χ^2/NDF:57.1/49

Out: -0.057+/-0.076 χ^2/NDF:62.5/56

All: -0.033+/-0.055 χ^2/NDF: 119.8/106

diff_bpm_4aX_4acX_dd_rms vs Slug, Sign Corrected



Right In: 497.377+/-0.089 χ^2/NDF: 332129.3/26

Left Out: 428.343+/-0.069 χ^2/NDF:4016.5/24

Right Out: 505.180+/-0.086 χ^2/NDF: 449795.0/31

Left In: 429.228+/-0.071 χ^2/NDF:6749.9/22

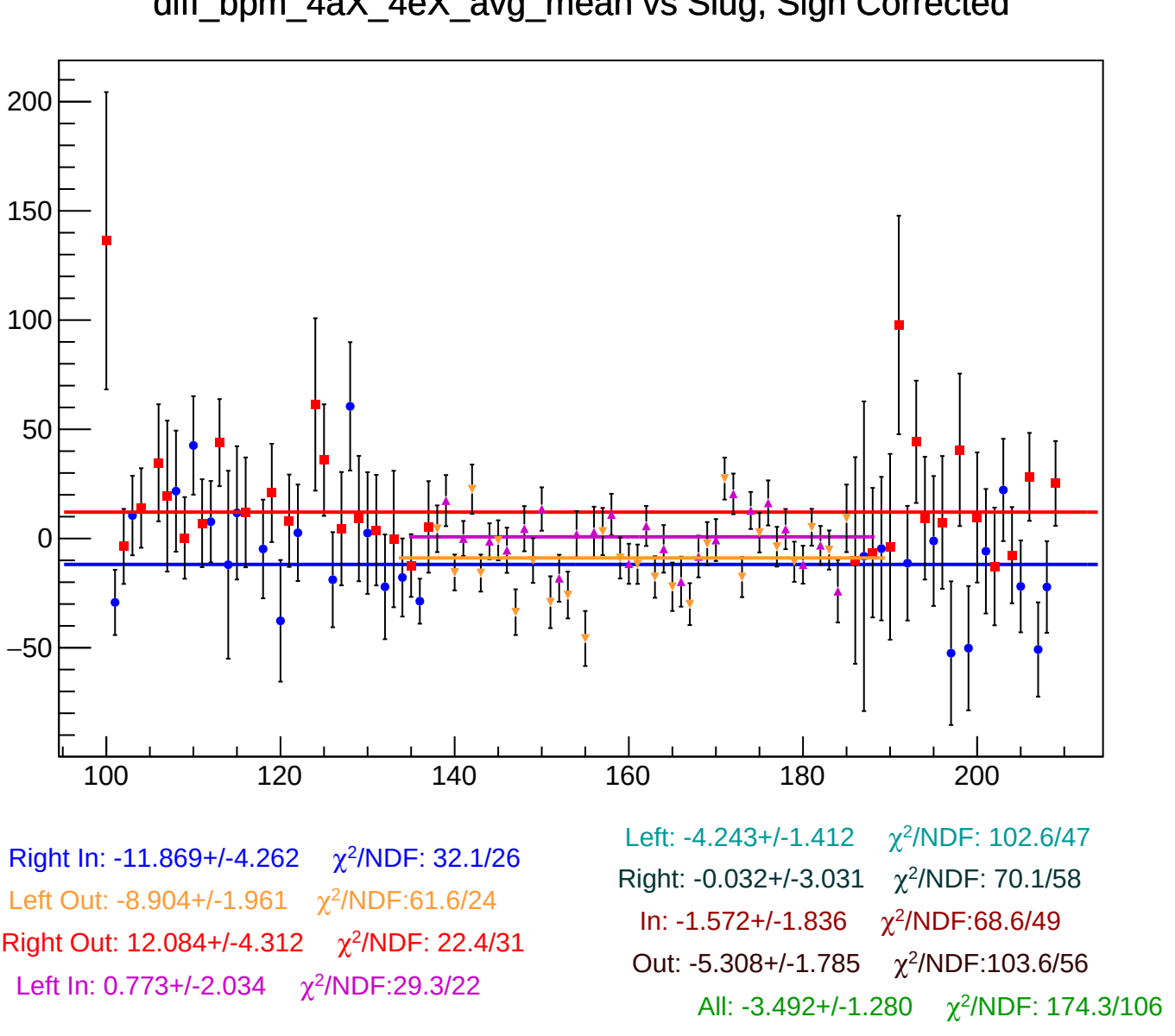
Left: 428.772+/-0.049 χ^2/NDF: 10846.7/47

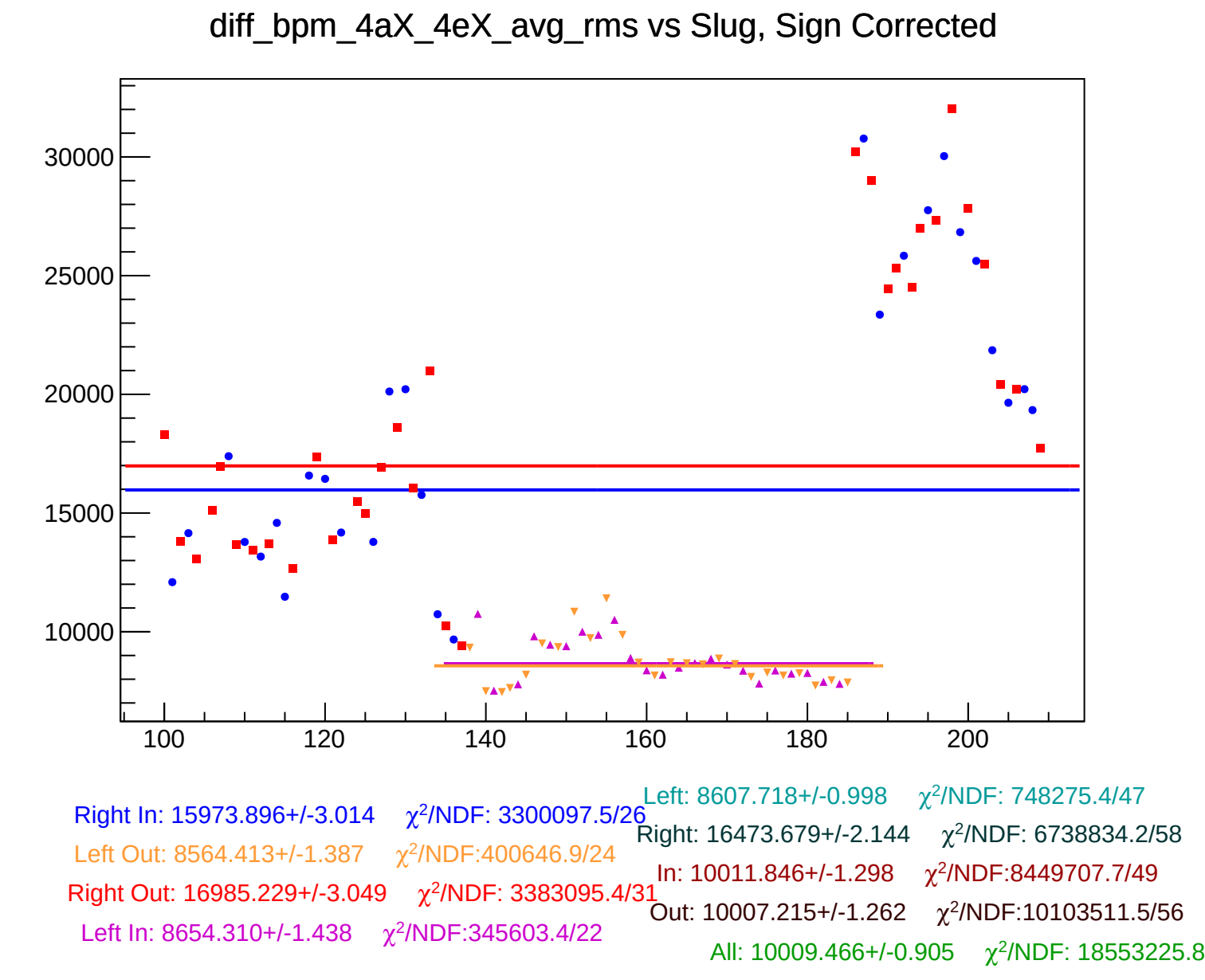
Right: 501.387+/-0.062 χ^2/NDF: 785888.4/58

In: 455.730+/-0.055 χ^2/NDF:698430.2/49

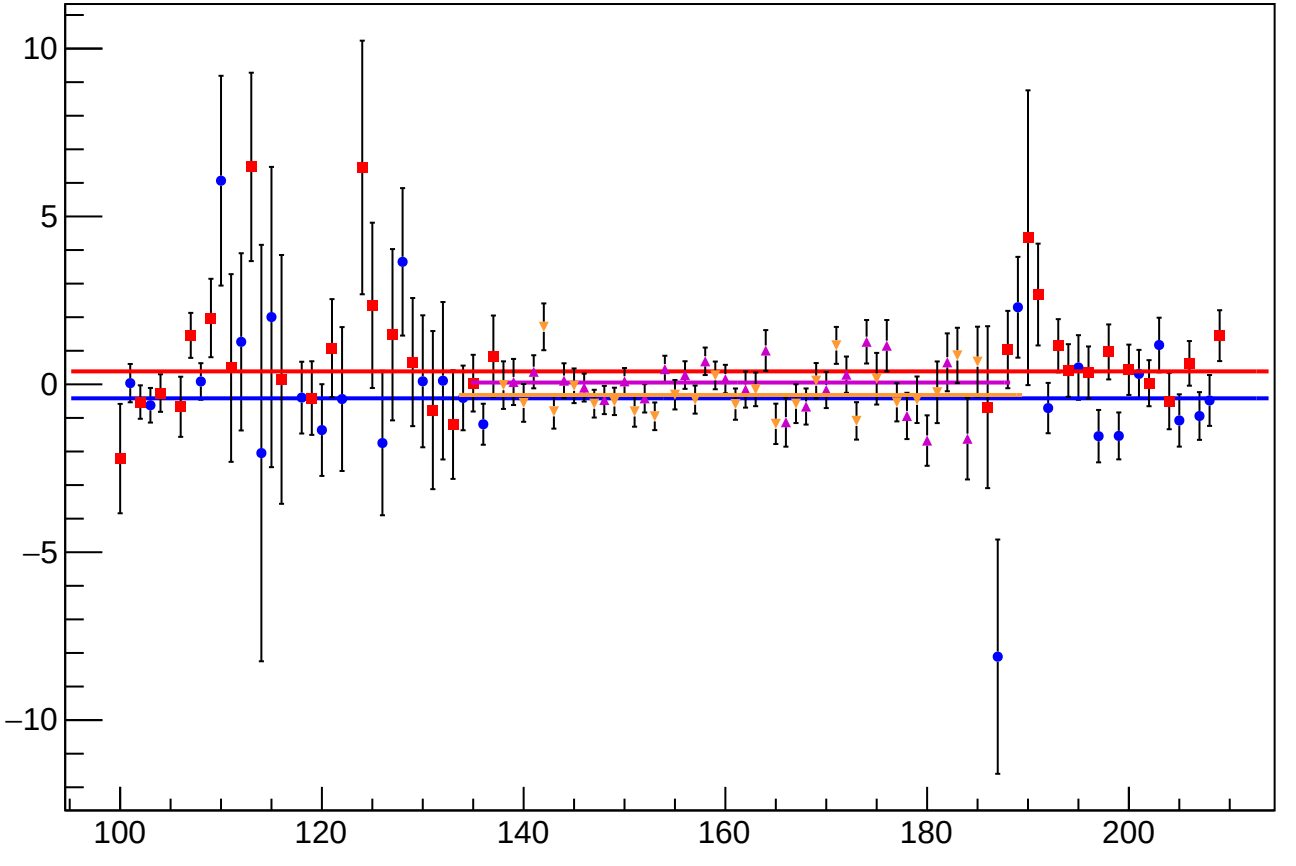
Out: 458.157+/-0.054 χ^2/NDF:937703.9/56

All: 456.979+/-0.039 χ^2/NDF: 1637120.5/106


diff_bpm_4aX_4eX_avg_mean vs Slug, Sign Corrected
200
150
100
50
0
−50
100
120
140
160
180
200
Right In: -11.869+/-4.262 χ²/NDF: 32.1/26
Left Out: -8.904+/-1.961 χ²/NDF:61.6/24
Right Out: 12.084+/-4.312 χ²/NDF: 22.4/31
Left In: 0.773+/-2.034 χ²/NDF:29.3/22
Left: -4.243+/-1.412 χ²/NDF: 102.6/47
Right: -0.032+/-3.031 χ²/NDF: 70.1/58
In: -1.572+/-1.836 χ²/NDF:68.6/49
Out: -5.308+/-1.785 χ²/NDF:103.6/56
All: -3.492+/-1.280 χ²/NDF: 174.3/106


diff_bpm_4aX_4eX_avg_rms vs Slug, Sign Corrected
30000
25000
20000
15000
10000
100
120
140
160
180
200
Right In: 15973.896+/-3.014 χ²/NDF: 3300097.5/26
Left Out: 8564.413+/-1.387 χ²/NDF:400646.9/24
Right Out: 16985.229+/-3.049 χ²/NDF: 3383095.4/31
Left In: 8654.310+/-1.438 χ²/NDF:345603.4/22
Left: 8607.718+/-0.998 χ²/NDF: 748275.4/47
Right: 16473.679+/-2.144 χ²/NDF: 6738834.2/58
In: 10011.846+/-1.298 χ²/NDF:8449707.7/49
Out: 10007.215+/-1.262 χ²/NDF:10103511.5/56
All: 10009.466+/-0.905 χ²/NDF: 18553225.8

diff_bpm_4aX_4eX_dd_mean vs Slug, Sign Corrected



Right In: -0.416+/-0.175 χ^2/NDF: 32.7/26

Left Out: -0.318+/-0.106 χ^2/NDF:32.3/24

Right Out: 0.386+/-0.172 χ^2/NDF: 32.0/31

Left In: 0.054+/-0.108 χ^2/NDF:29.8/22

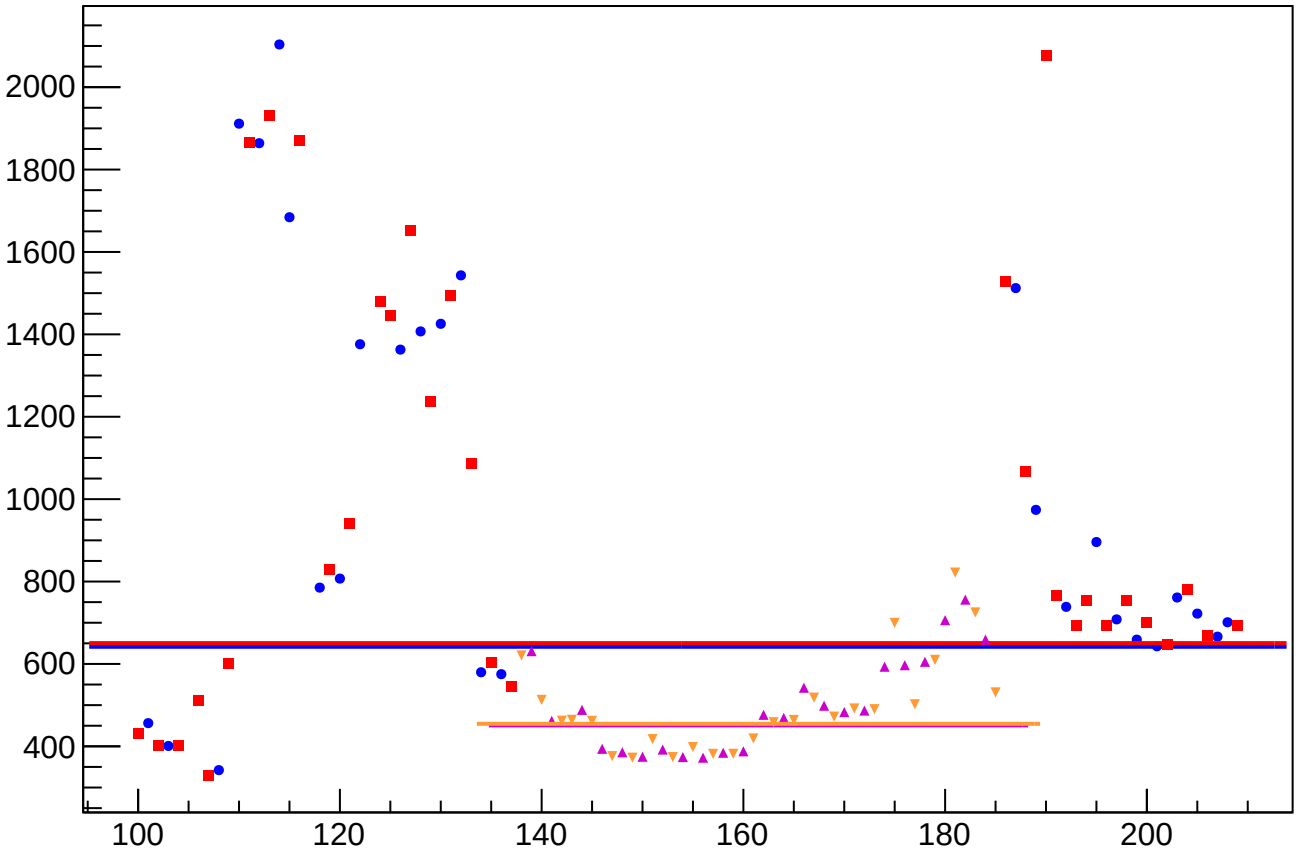
Left: -0.136+/-0.076 χ^2/NDF: 68.1/47

Right: -0.008+/-0.123 χ^2/NDF: 75.3/58

In: -0.076+/-0.092 χ^2/NDF:67.7/49

Out: -0.124+/-0.090 χ^2/NDF:76.4/56

All: -0.100+/-0.064 χ^2/NDF: 144.2/106



Right In: 641.705+/-0.124 χ^2/NDF: 4135792.2/26

Left Out: 454.697+/-0.075 χ^2/NDF:1451363.0/24

Right Out: 650.579+/-0.121 χ^2/NDF: 4706684.4/31

Left In: 450.767+/-0.076 χ^2/NDF:1471497.9/22

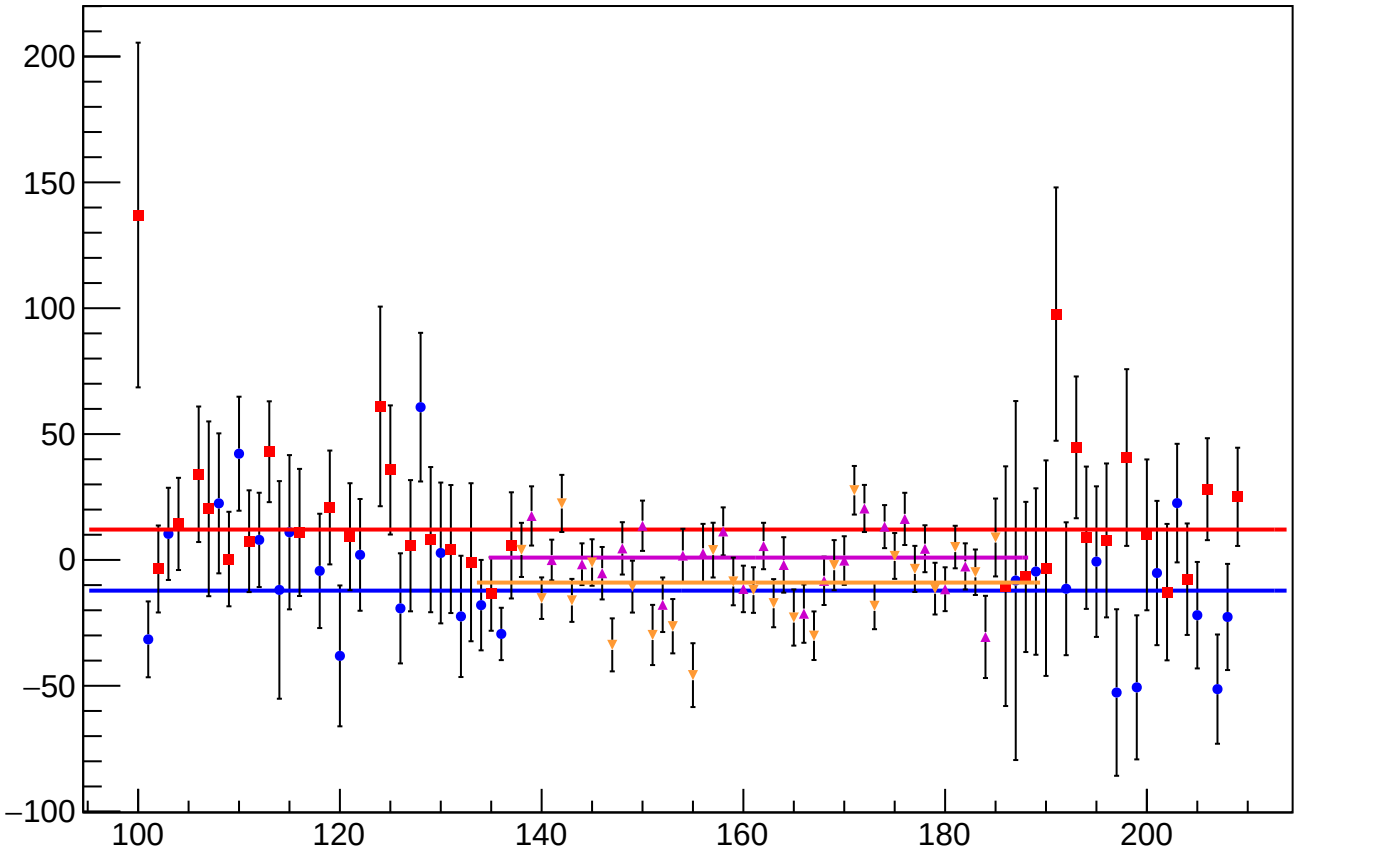
Left: 452.772+/-0.054 χ^2/NDF: 2924208.1/47

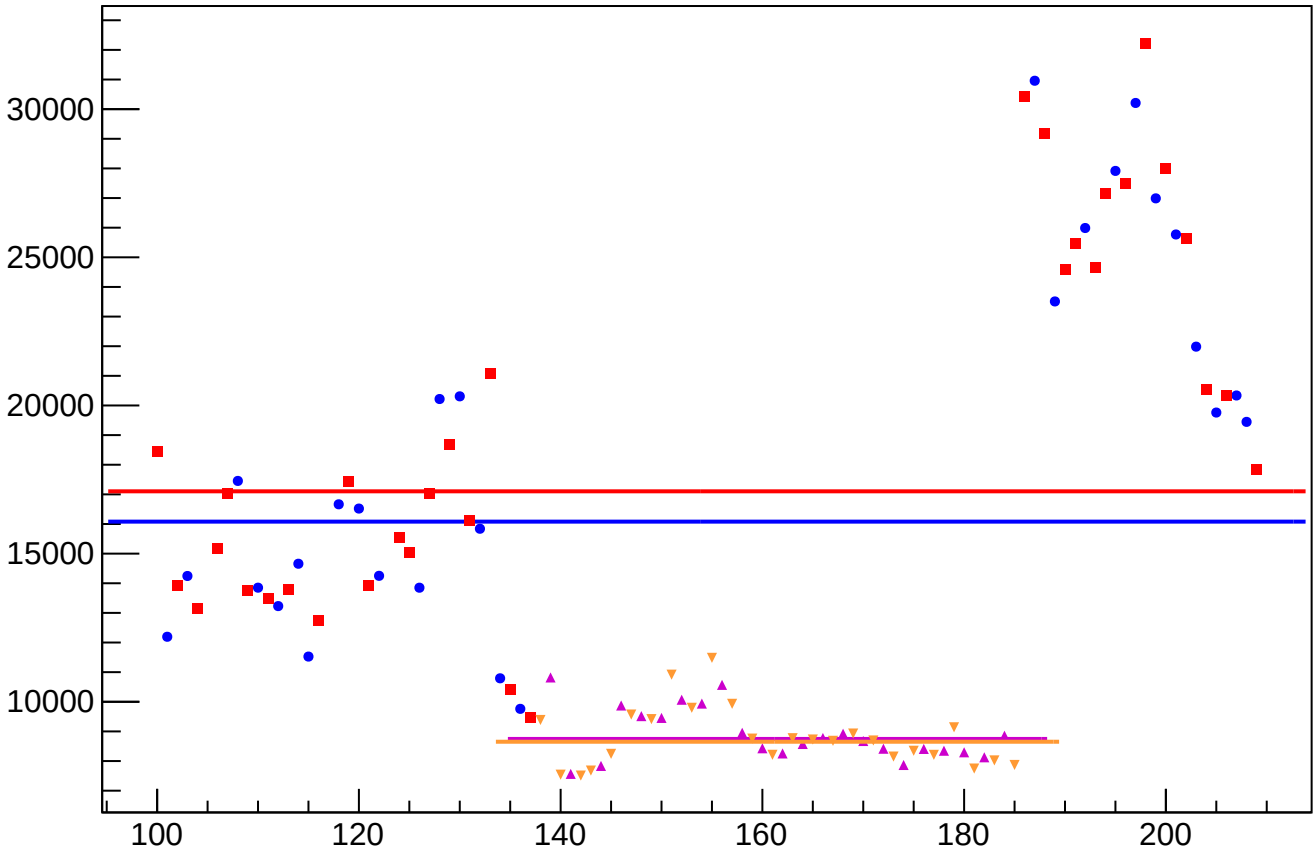
Right: 646.221+/-0.087 χ^2/NDF: 8845096.8/58

In: 503.577+/-0.065 χ^2/NDF:7331879.7/49

Out: 508.681+/-0.064 χ^2/NDF:8041151.2/56

All: 506.179+/-0.046 χ^2/NDF: 15376171.0/10


diff_bpm_4aX_4ecX_avg_mean vs Slug, Sign Corrected
200
150
100
50
0
−50
−100
100
120
140
160
180
200
Right In: -12.198+/-4.290 χ²/NDF: 32.6/26
Left Out: -9.001+/-1.982 χ²/NDF:61.3/24
Right Out: 12.069+/-4.341 χ²/NDF: 22.2/31
Left In: 0.925+/-2.056 χ²/NDF:29.9/22
Left: -4.219+/-1.427 χ²/NDF: 103.2/47
Right: -0.208+/-3.051 χ²/NDF: 70.5/58
In: -1.525+/-1.854 χ²/NDF:70.0/49
Out: -5.366+/-1.803 χ²/NDF:102.9/56
All: -3.499+/-1.292 χ²/NDF: 175.2/106



Right In: 16080.074+/-3.033 χ^2/NDF: 3284929.8/26

Left Out: 8651.872+/-1.401 χ^2/NDF:405419.4/24

Right Out: 17102.902+/-3.069 χ^2/NDF: 3360893.5/31

Left In: 8746.106+/-1.454 χ^2/NDF:331167.0/22

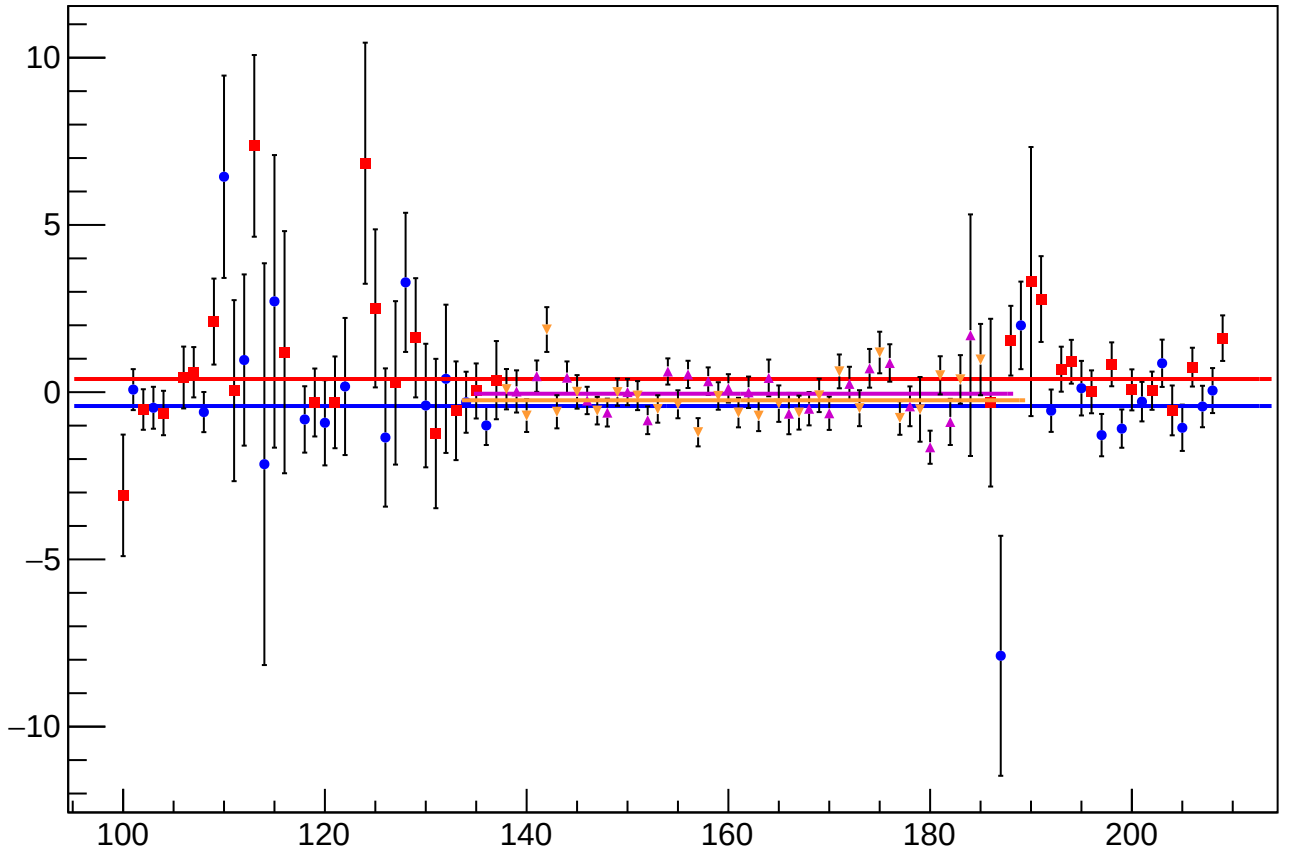
Left: 8697.266+/-1.009 χ^2/NDF: 738764.8/47

Right: 16585.455+/-2.158 χ^2/NDF: 6702002.0/58

In: 10115.644+/-1.311 χ^2/NDF:8370080.5/49

Out: 10109.564+/-1.275 χ^2/NDF:10039625.8/56

All: 10112.519+/-0.914 χ^2/NDF: 18409717.4



Right In: -0.414+/-0.164 χ^2/NDF: 27.8/26

Left Out: -0.242+/-0.100 χ^2/NDF:34.3/24

Right Out: 0.394+/-0.162 χ^2/NDF: 35.9/31

Left In: -0.047+/-0.102 χ^2/NDF:35.1/22

Left: -0.146+/-0.071 χ^2/NDF: 71.2/47

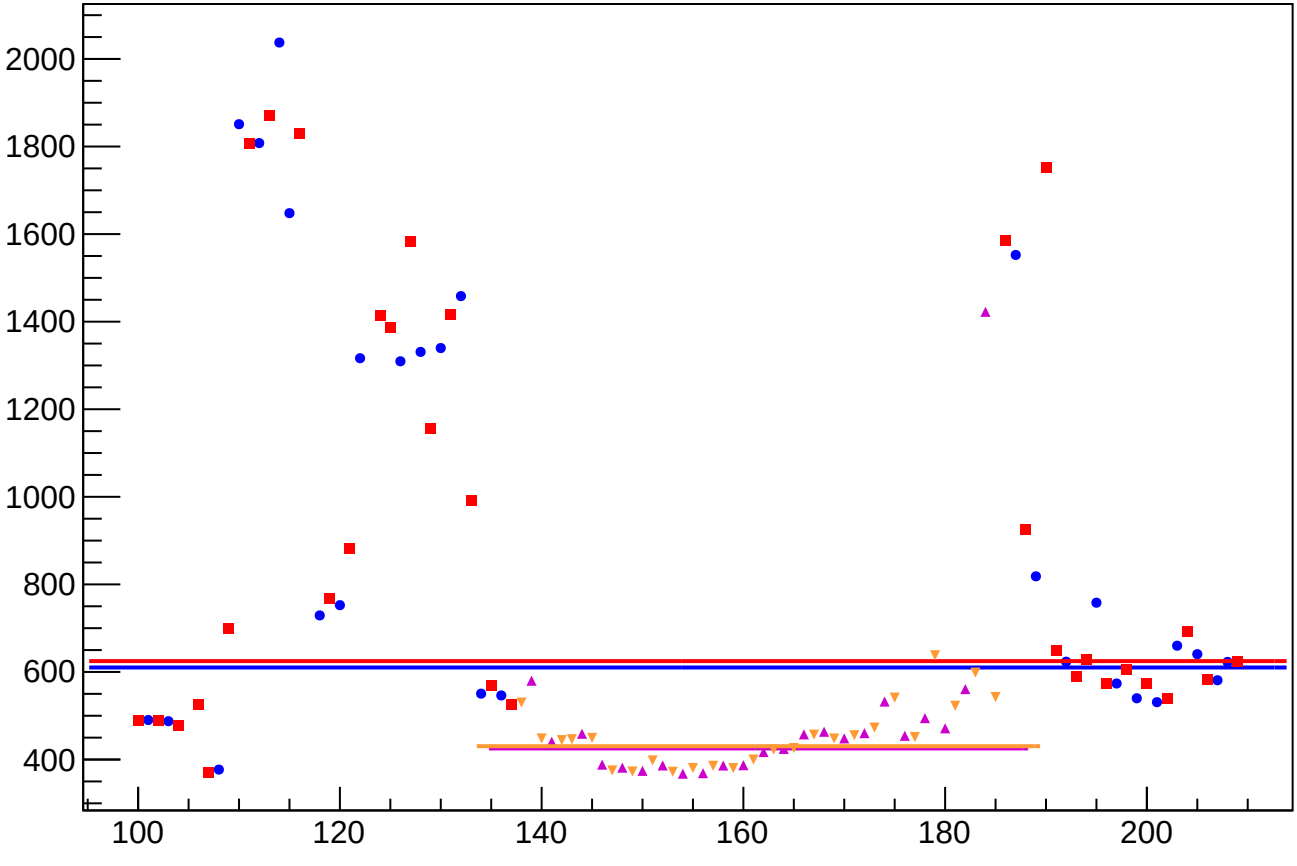
Right: -0.006+/-0.115 χ^2/NDF: 76.0/58

In: -0.149+/-0.086 χ^2/NDF:66.5/49

Out: -0.067+/-0.085 χ^2/NDF:81.3/56

All: -0.107+/-0.061 χ^2/NDF: 148.3/106

diff_bpm_4aX_4ecX_dd_rms vs Slug, Sign Corrected



Right In: 610.200+/-0.116 χ^2/NDF: 3199759.5/26

Left Out: 430.437+/-0.071 χ^2/NDF:648114.1/24

Right Out: 624.783+/-0.115 χ^2/NDF: 3515181.5/31

Left In: 425.312+/-0.072 χ^2/NDF:716953.2/22

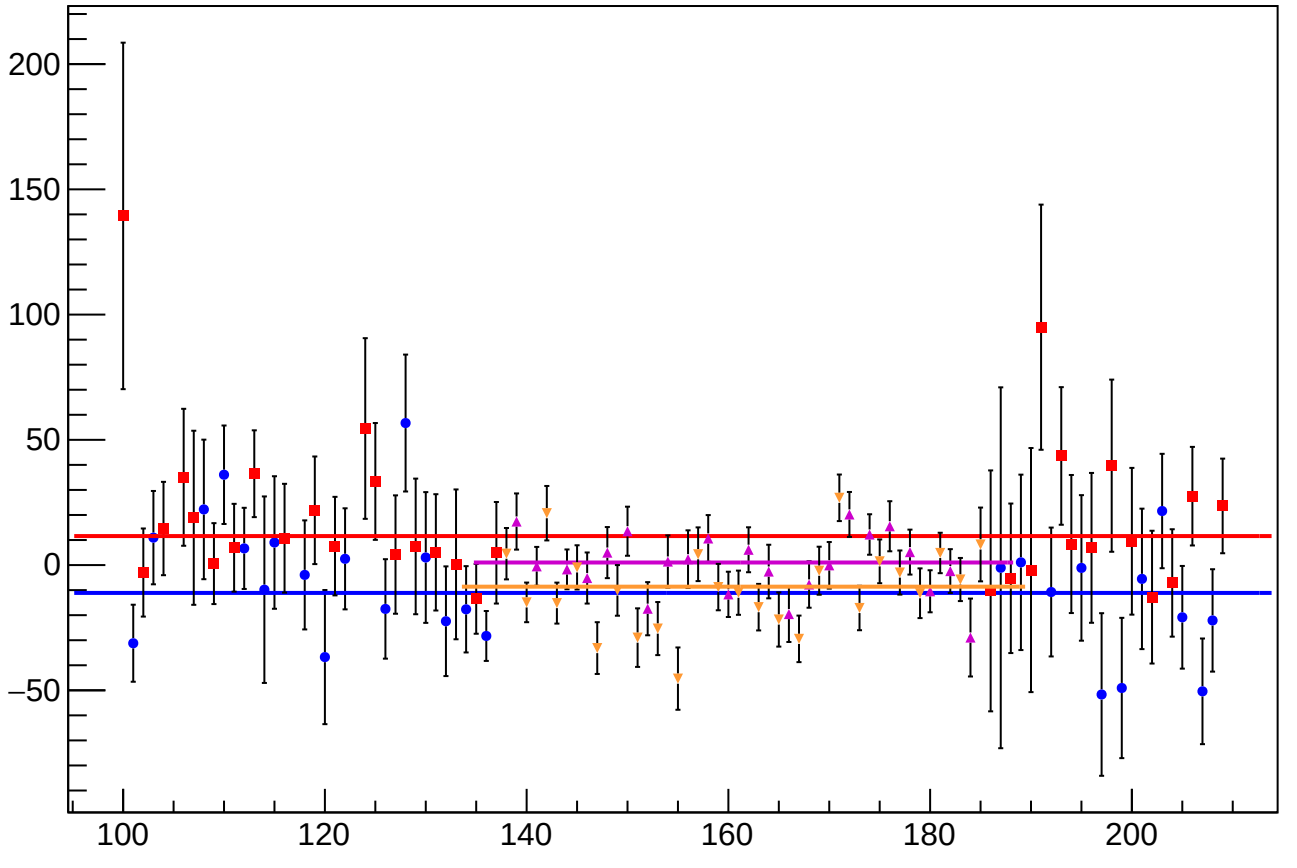
Left: 427.910+/-0.050 χ^2/NDF: 1367648.1/47

Right: 617.561+/-0.082 χ^2/NDF: 6722944.7/58

In: 476.674+/-0.061 χ^2/NDF:5757175.2/49

Out: 484.110+/-0.060 χ^2/NDF:6240815.0/56

All: 480.439+/-0.043 χ^2/NDF: 12005502.8/10



Right In: -11.115+/-4.085 χ^2/NDF: 33.2/26

Left Out: -8.623+/-1.913 χ^2/NDF:61.6/24

Right Out: 11.581+/-4.108 χ^2/NDF: 22.0/31

Left In: 1.027+/-1.987 χ^2/NDF:29.8/22

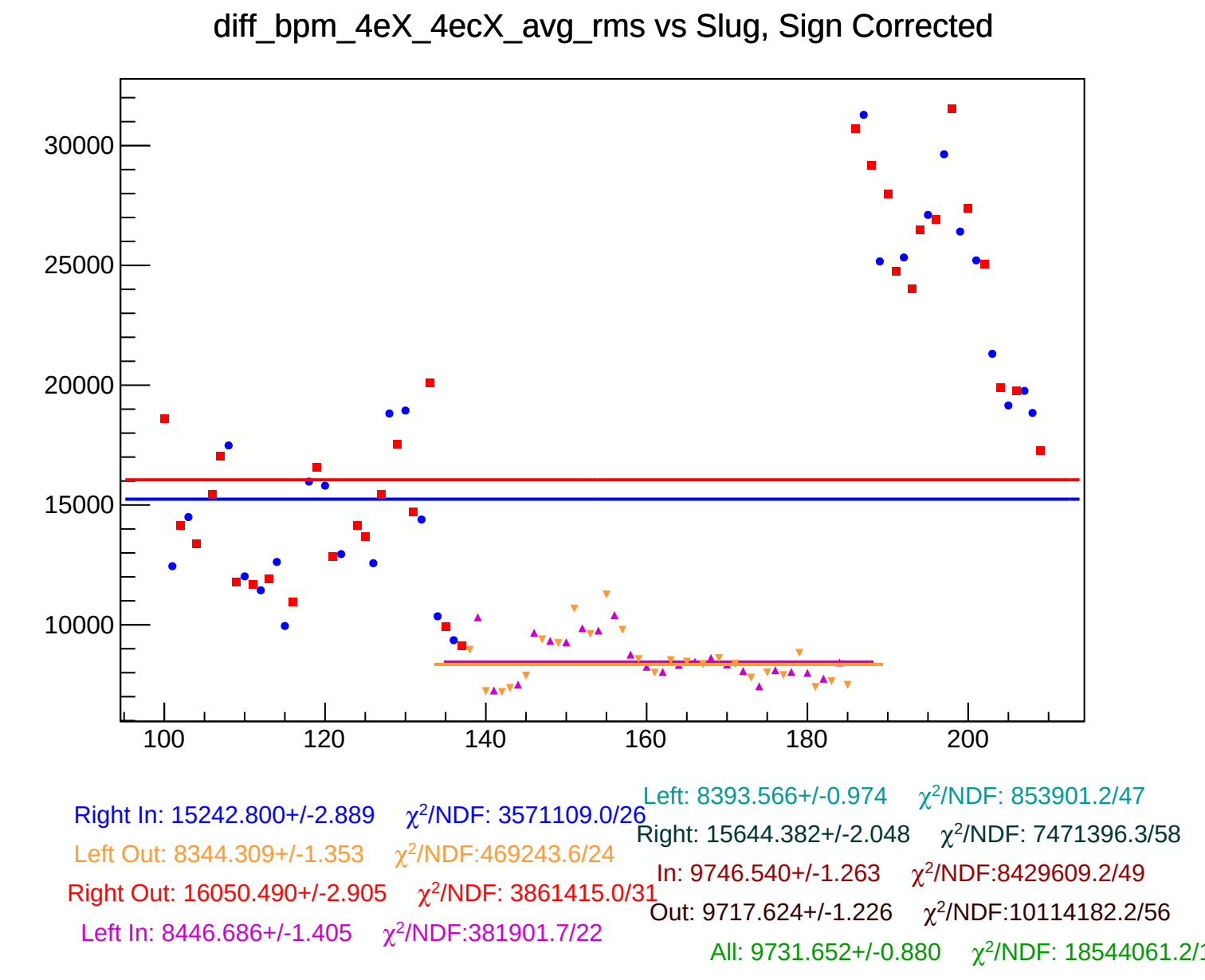
Left: -3.980+/-1.378 χ^2/NDF: 103.6/47

Right: 0.170+/-2.897 χ^2/NDF: 70.6/58

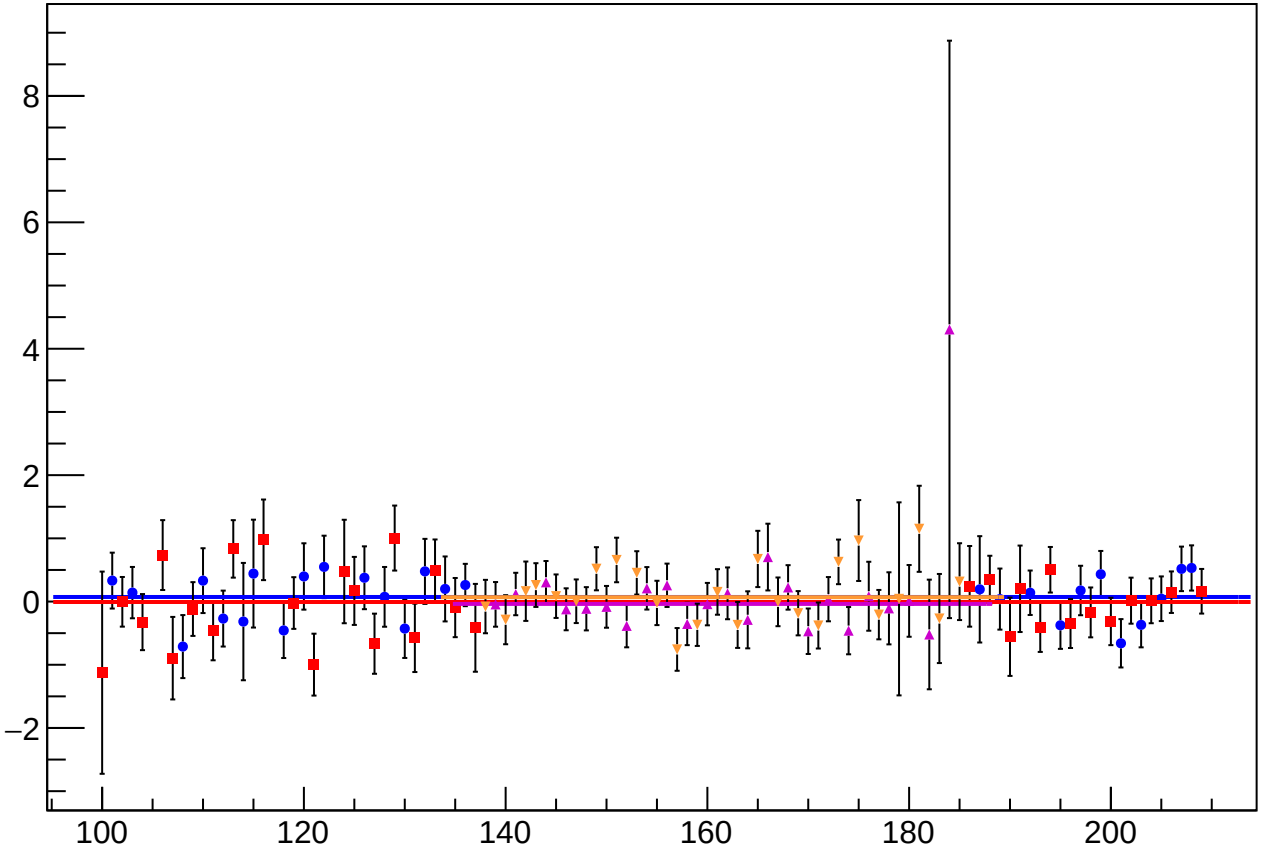
In: -1.295+/-1.787 χ^2/NDF:70.2/49

Out: -5.022+/-1.734 χ^2/NDF:103.5/56

All: -3.214+/-1.244 χ^2/NDF: 175.9/106


diff_bpm_4eX_4ecX_avg_rms vs Slug, Sign Corrected
30000
25000
20000
15000
10000
100
120
140
160
180
200
Right In: 15242.800+/-2.889 χ²/NDF: 3571109.0/26
Left Out: 8344.309+/-1.353 χ²/NDF:469243.6/24
Right Out: 16050.490+/-2.905 χ²/NDF: 3861415.0/31
Left In: 8446.686+/-1.405 χ²/NDF:381901.7/22
Left: 8393.566+/-0.974 χ²/NDF: 853901.2/47
Right: 15644.382+/-2.048 χ²/NDF: 7471396.3/58
In: 9746.540+/-1.263 χ²/NDF:8429609.2/49
Out: 9717.624+/-1.226 χ²/NDF:10114182.2/56
All: 9731.652+/-0.880 χ²/NDF: 18544061.2/

diff_bpm_4eX_4ecX_dd_mean vs Slug, Sign Corrected



Right In: 0.072+/-0.084 χ^2/NDF: 20.4/26

Left Out: 0.069+/-0.079 χ^2/NDF:28.2/24

Right Out: -0.007+/-0.081 χ^2/NDF: 31.3/31

Left In: -0.037+/-0.081 χ^2/NDF:11.7/22

Left: 0.017+/-0.057 χ^2/NDF: 40.8/47

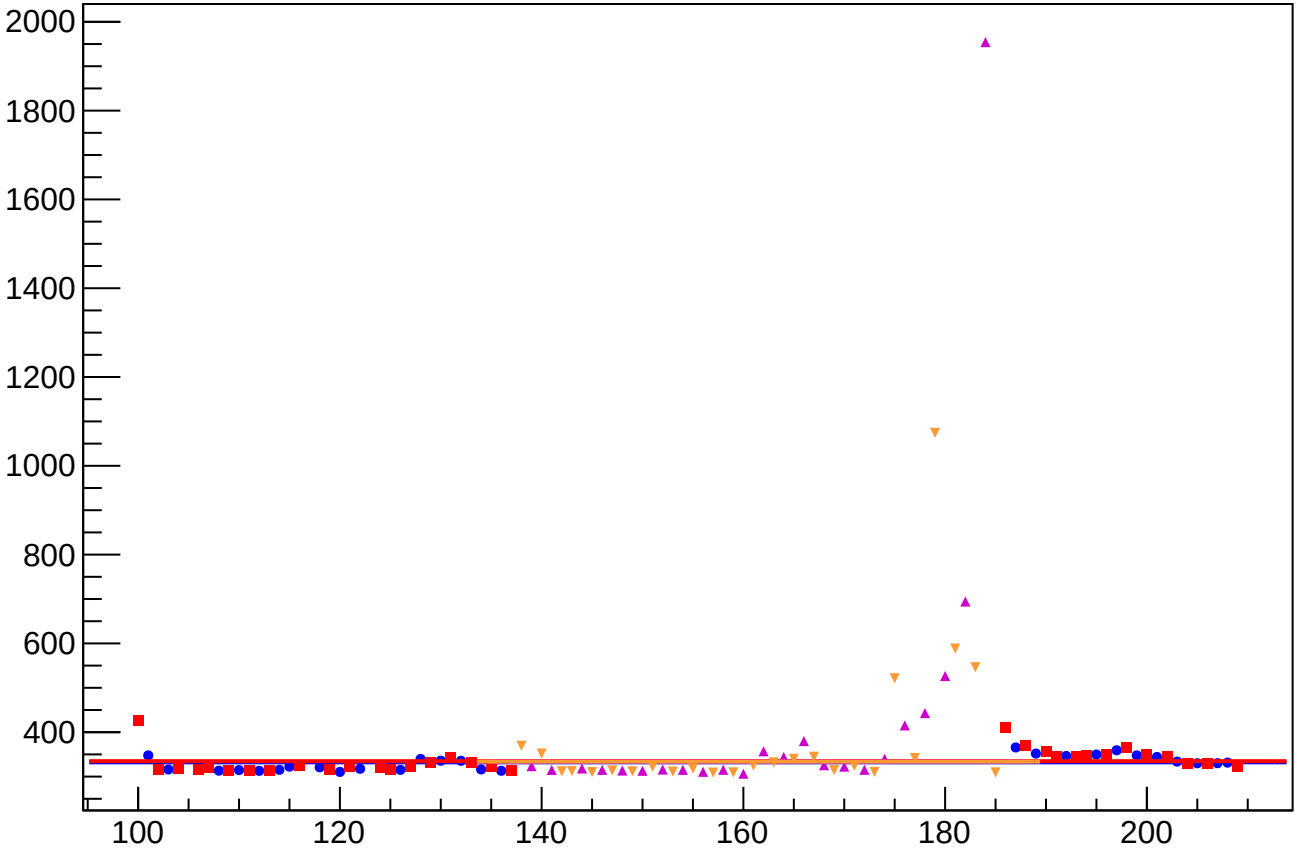
Right: 0.031+/-0.058 χ^2/NDF: 52.1/58

In: 0.016+/-0.058 χ^2/NDF:32.9/49

Out: 0.032+/-0.056 χ^2/NDF:60.0/56

All: 0.024+/-0.041 χ^2/NDF: 92.9/106

diff_bpm_4eX_4ecX_dd_rms vs Slug, Sign Corrected



Right In: 332.158+/-0.059 χ^2/NDF: 62864.7/26

Left Out: 333.783+/-0.056 χ^2/NDF:1217257.0/24

Right Out: 334.725+/-0.057 χ^2/NDF: 118387.1/31

Left In: 333.979+/-0.057 χ^2/NDF:1050984.2/22

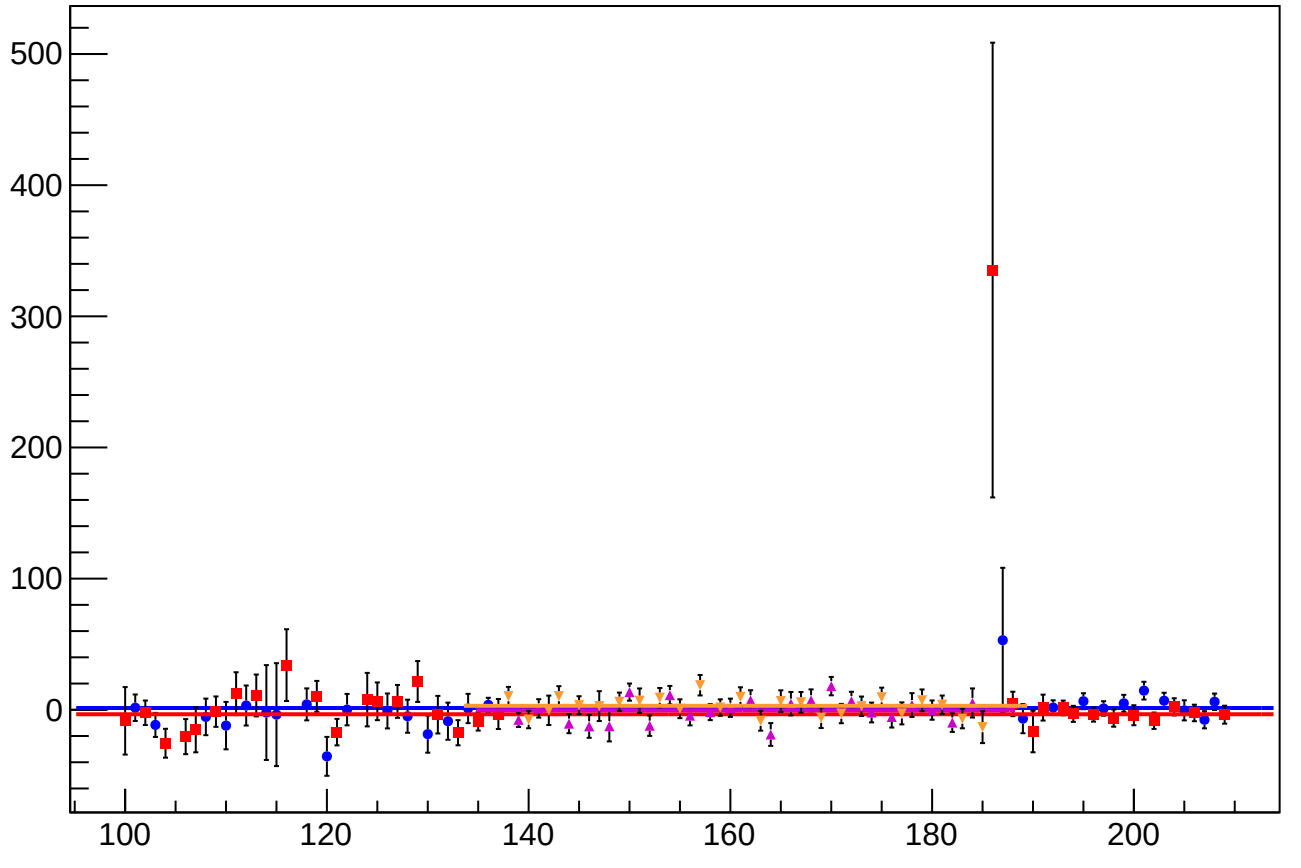
Left: 333.879+/-0.040 χ^2/NDF: 2268247.2/47

Right: 333.489+/-0.041 χ^2/NDF: 182227.6/58

In: 333.099+/-0.041 χ^2/NDF:1114338.6/49

Out: 334.245+/-0.040 χ^2/NDF:1335783.1/56

All: 333.689+/-0.029 χ^2/NDF: 2450521.1/106



Right In: 1.339+/-1.672 χ^2/NDF: 21.6/26

Left Out: 3.023+/-1.542 χ^2/NDF:20.3/24

Right Out: -3.409+/-1.622 χ^2/NDF: 27.5/31

Left In: -0.351+/-1.568 χ^2/NDF:33.8/22

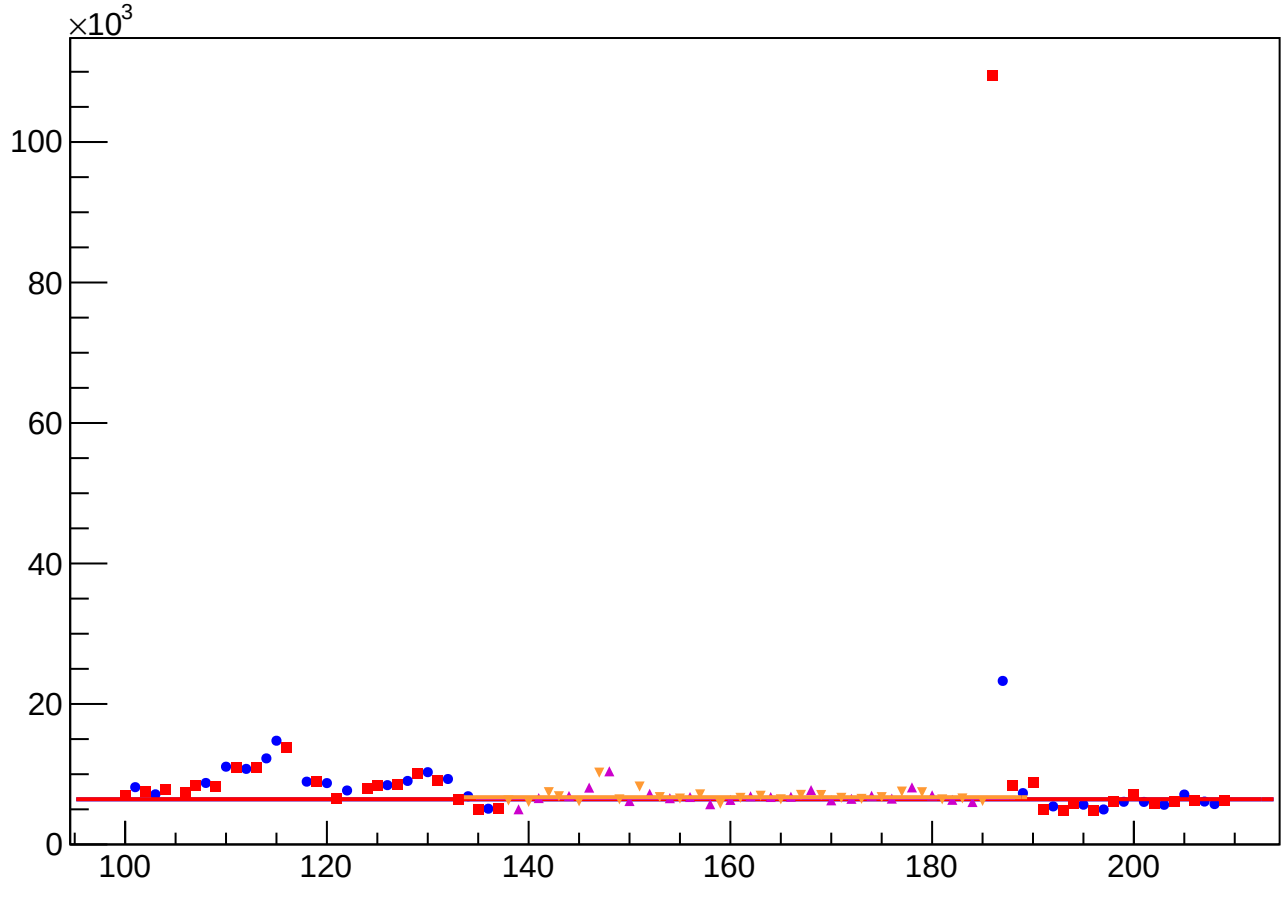
Left: 1.365+/-1.099 χ^2/NDF: 56.5/47

Right: -1.107+/-1.164 χ^2/NDF: 53.3/58

In: 0.440+/-1.144 χ^2/NDF:55.9/49

Out: -0.029+/-1.118 χ^2/NDF:56.1/56

All: 0.200+/-0.799 χ^2/NDF: 112.2/106



Right In: 6414.797+/-1.182 χ^2/NDF: 1731813.7/26

Left Out: 6722.984+/-1.090 χ^2/NDF:403317.7/24

Right Out: 6441.952+/-1.147 χ^2/NDF: 2373259.9/31

Left In: 6632.723+/-1.109 χ^2/NDF:629490.9/22

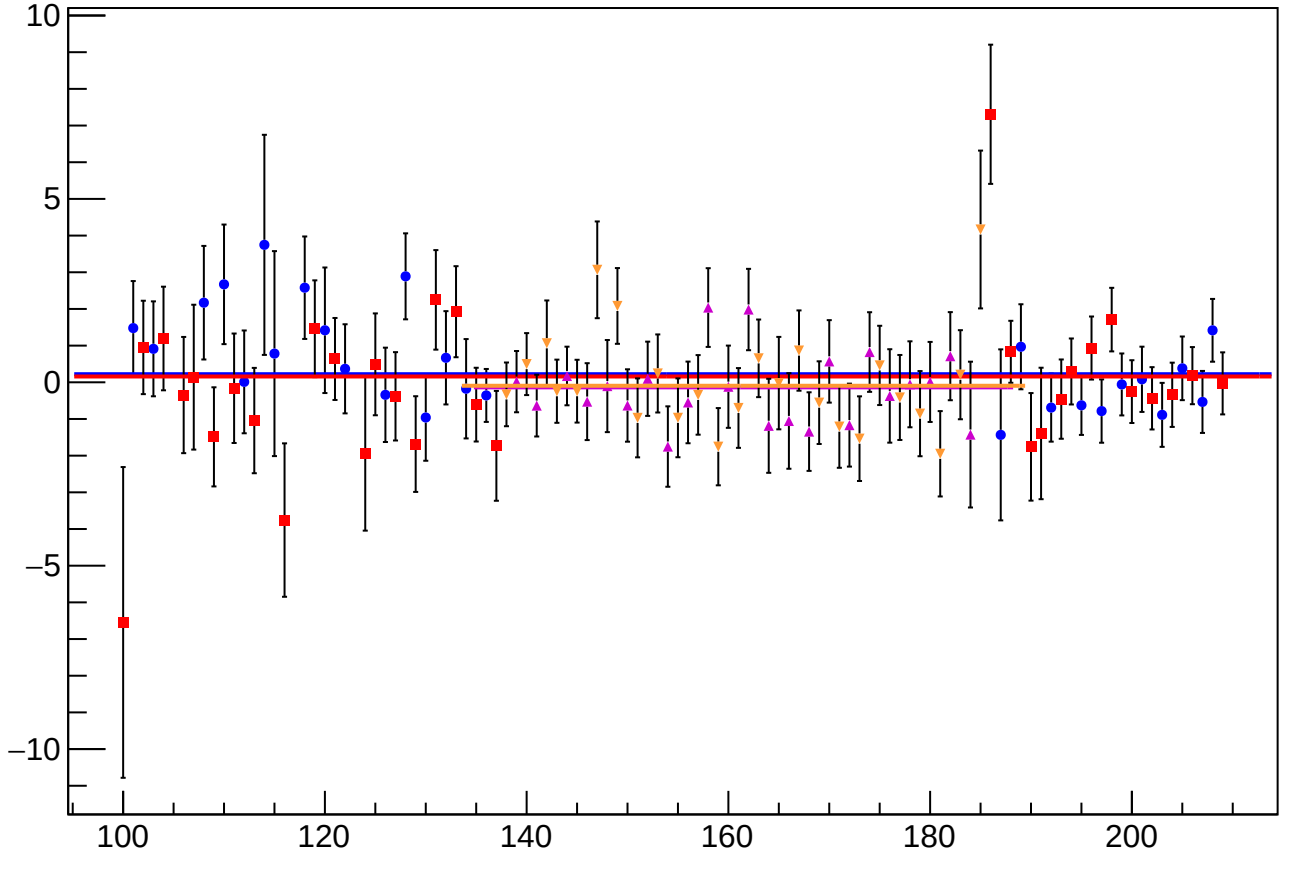
Left: 6678.628+/-0.777 χ^2/NDF: 1036177.6/47

Right: 6428.783+/-0.823 χ^2/NDF: 4105345.4/58

In: 6530.715+/-0.809 χ^2/NDF:2379380.6/49

Out: 6589.629+/-0.790 χ^2/NDF:2808115.3/56

All: 6560.857+/-0.565 χ^2/NDF: 5190210.5/10



Right In: 0.221+/-0.211 χ^2/NDF: 26.0/26

Left Out: -0.095+/-0.215 χ^2/NDF:27.3/24

Right Out: 0.158+/-0.205 χ^2/NDF: 43.0/31

Left In: -0.138+/-0.225 χ^2/NDF:16.5/22

Left: -0.115+/-0.156 χ^2/NDF: 43.8/47

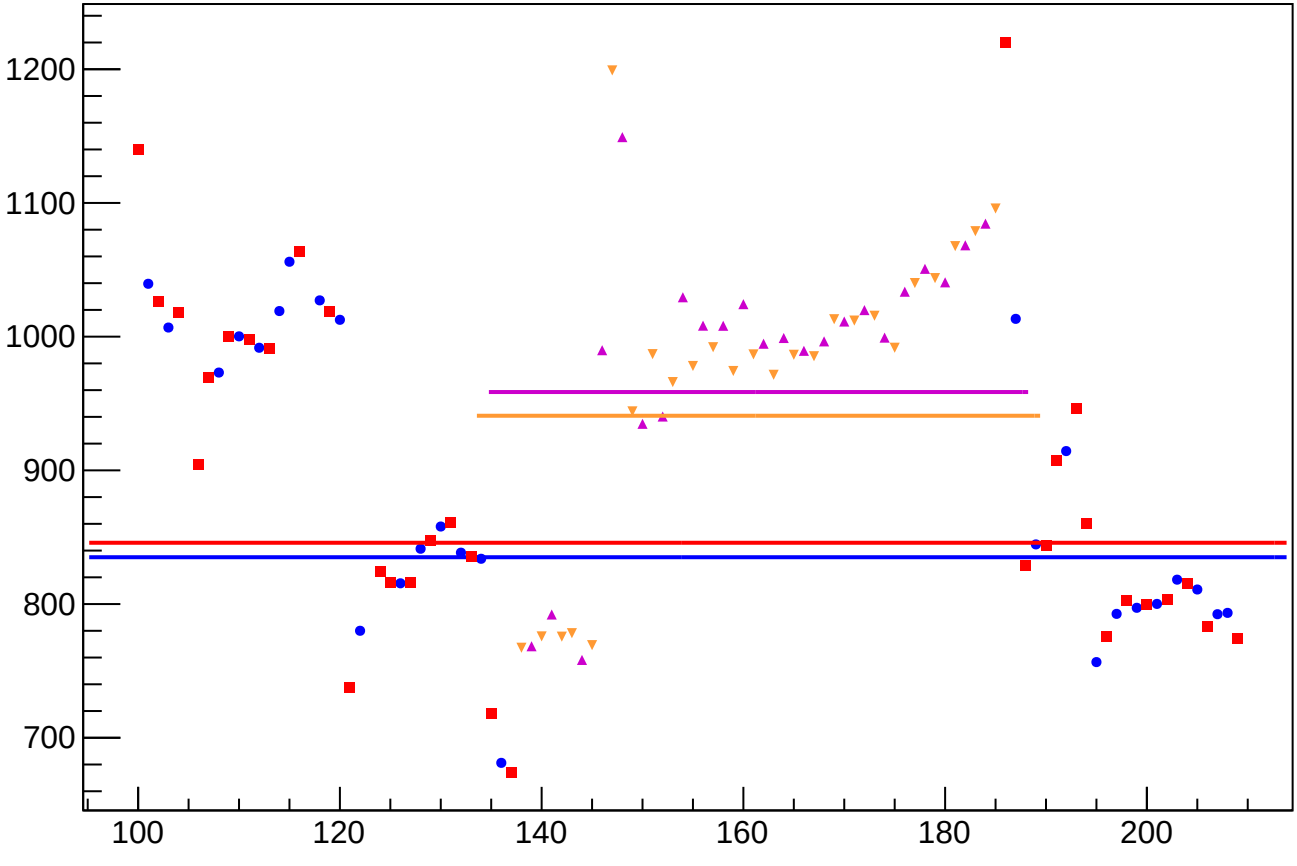
Right: 0.189+/-0.147 χ^2/NDF: 69.0/58

In: 0.053+/-0.154 χ^2/NDF:43.8/49

Out: 0.038+/-0.148 χ^2/NDF:71.1/56

All: 0.045+/-0.107 χ^2/NDF: 114.9/106

diff_bpm_4aY_4acY_dd_rms vs Slug, Sign Corrected



Right In: 835.031+/-0.149 χ^2/NDF: 392531.1/26

Left Out: 940.844+/-0.152 χ^2/NDF:568776.0/24

Right Out: 845.848+/-0.145 χ^2/NDF: 450486.0/31

Left In: 958.578+/-0.159 χ^2/NDF:456824.8/22

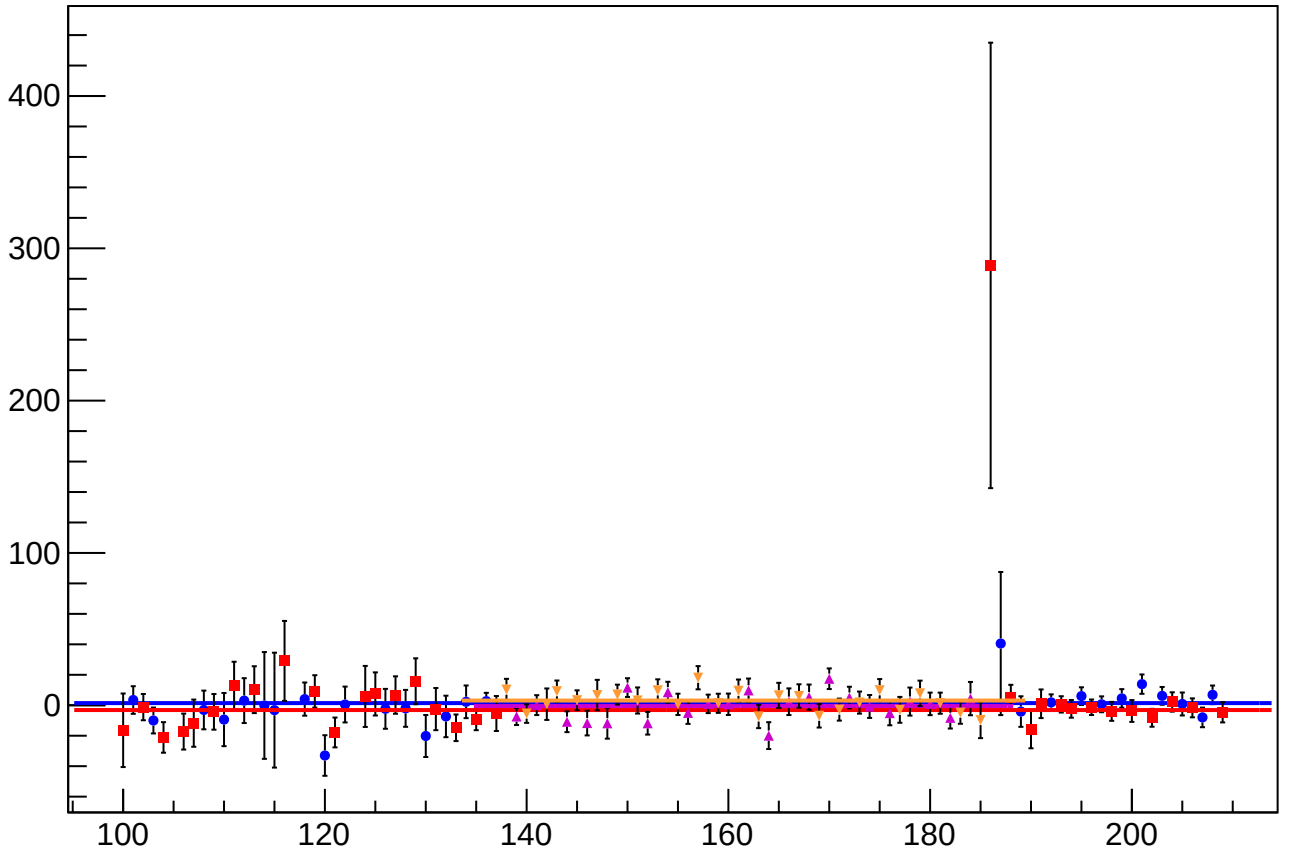
Left: 949.310+/-0.110 χ^2/NDF: 1032074.6/47

Right: 840.608+/-0.104 χ^2/NDF: 845726.1/58

In: 892.759+/-0.109 χ^2/NDF:1169635.8/49

Out: 890.901+/-0.105 χ^2/NDF:1223820.7/56

All: 891.795+/-0.076 χ^2/NDF: 2393607.6/106



Right In: 1.417+/-1.598 χ^2/NDF: 21.6/26

Left Out: 3.099+/-1.500 χ^2/NDF:18.6/24

Right Out: -3.145+/-1.542 χ^2/NDF: 26.1/31

Left In: -0.519+/-1.535 χ^2/NDF:32.0/22

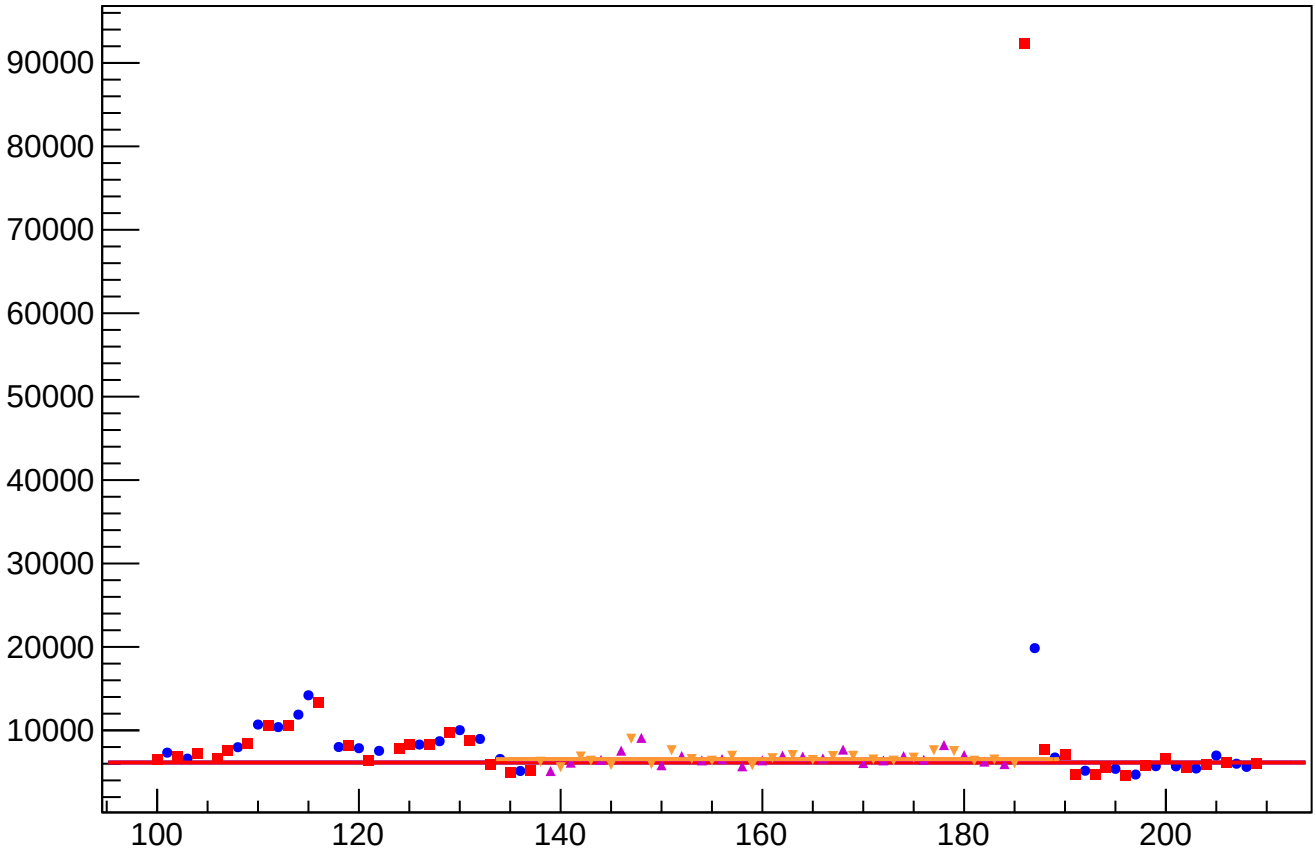
Left: 1.331+/-1.073 χ^2/NDF: 53.4/47

Right: -0.945+/-1.110 χ^2/NDF: 51.9/58

In: 0.410+/-1.107 χ^2/NDF:54.4/49

Out: 0.063+/-1.075 χ^2/NDF:53.1/56

All: 0.232+/-0.771 χ^2/NDF: 107.5/106



Right In: 6146.865+/-1.130 χ^2/NDF: 1635364.5/26

Left Out: 6548.897+/-1.061 χ^2/NDF:366072.4/24

Right Out: 6141.652+/-1.090 χ^2/NDF: 2297455.2/31

Left In: 6505.057+/-1.085 χ^2/NDF:515496.8/22

Left: 6527.477+/-0.759 χ^2/NDF: 882403.7/47

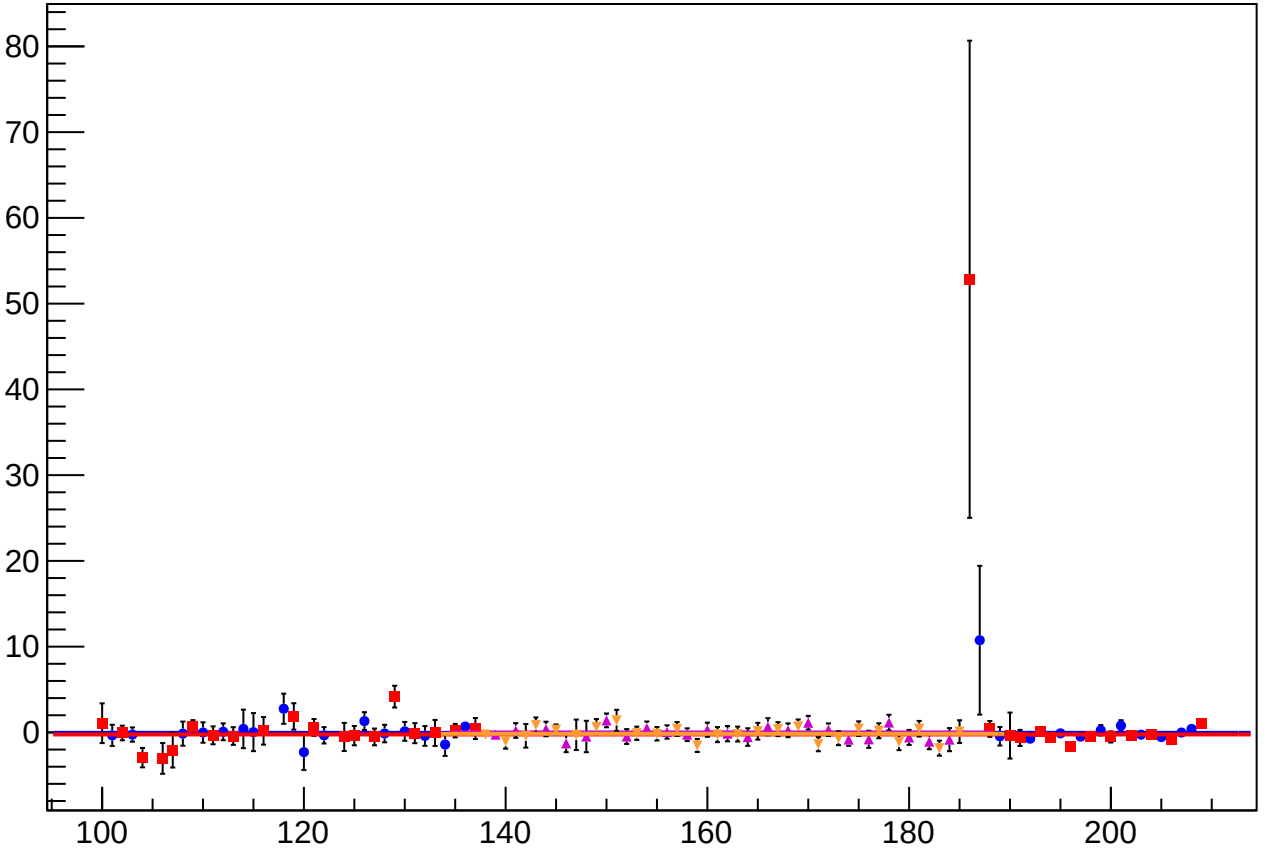
Right: 6144.166+/-0.785 χ^2/NDF: 3932830.8/58

In: 6333.179+/-0.783 χ^2/NDF:2203129.2/49

Out: 6350.878+/-0.760 χ^2/NDF:2735188.2/56

All: 6342.285+/-0.545 χ^2/NDF: 4938580.5/10

diff_bpm_4aY_4eY_dd_mean vs Slug, Sign Corrected



Right In: -0.053+/-0.143 χ^2/NDF: 16.9/26

Left Out: -0.162+/-0.172 χ^2/NDF:19.0/24

Right Out: -0.241+/-0.142 χ^2/NDF: 46.3/31

Left In: -0.017+/-0.169 χ^2/NDF:15.2/22

Left: -0.089+/-0.121 χ^2/NDF: 34.6/47

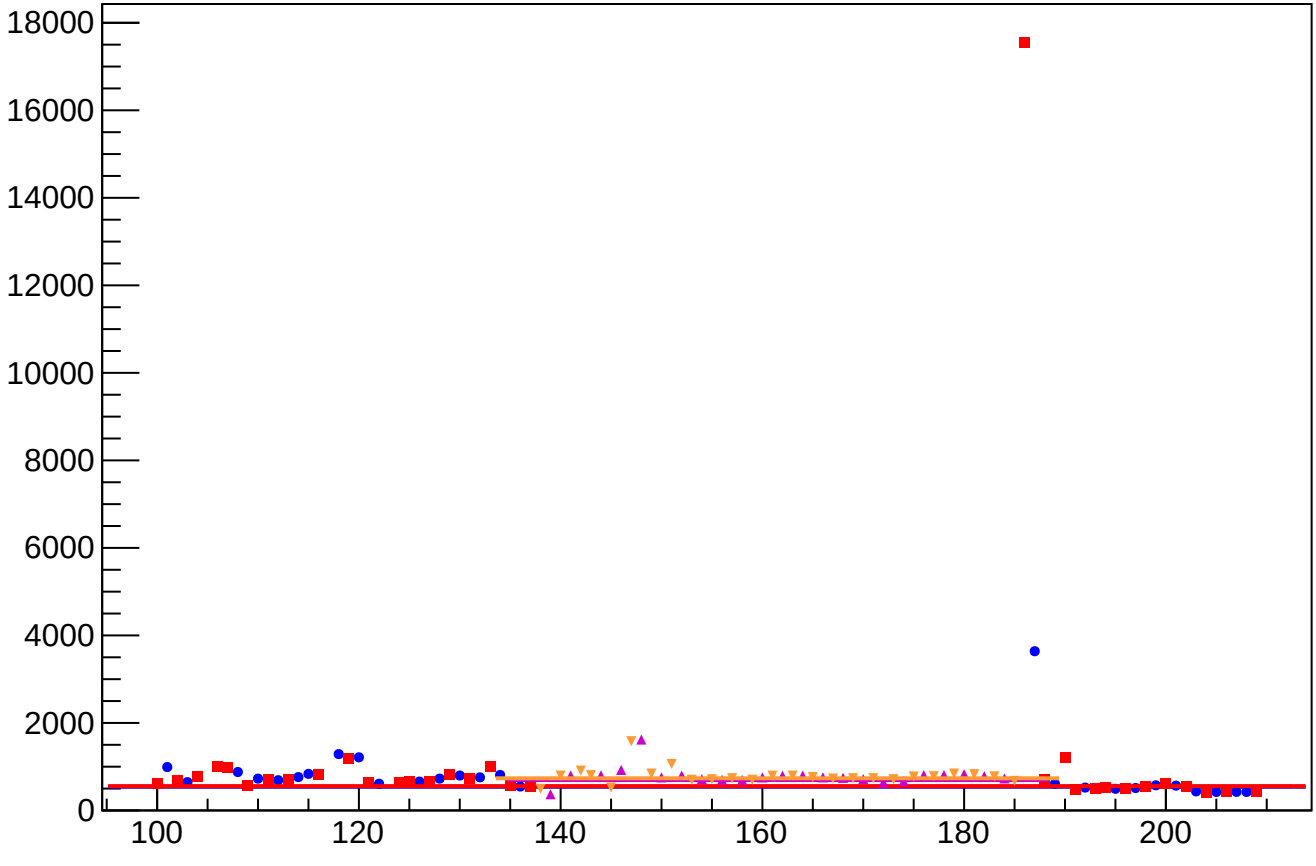
Right: -0.148+/-0.101 χ^2/NDF: 64.0/58

In: -0.038+/-0.109 χ^2/NDF:32.1/49

Out: -0.209+/-0.110 χ^2/NDF:65.3/56

All: -0.123+/-0.077 χ^2/NDF: 98.7/106

diff_bpm_4aY_4eY_dd_rms vs Slug, Sign Corrected



Right In: 542.053+/-0.101 χ^2/NDF: 2299368.5/26

Left Out: 734.984+/-0.122 χ^2/NDF:1339748.9/24

Right Out: 555.445+/-0.100 χ^2/NDF: 2654403.5/31

Left In: 694.150+/-0.120 χ^2/NDF:2225094.5/22

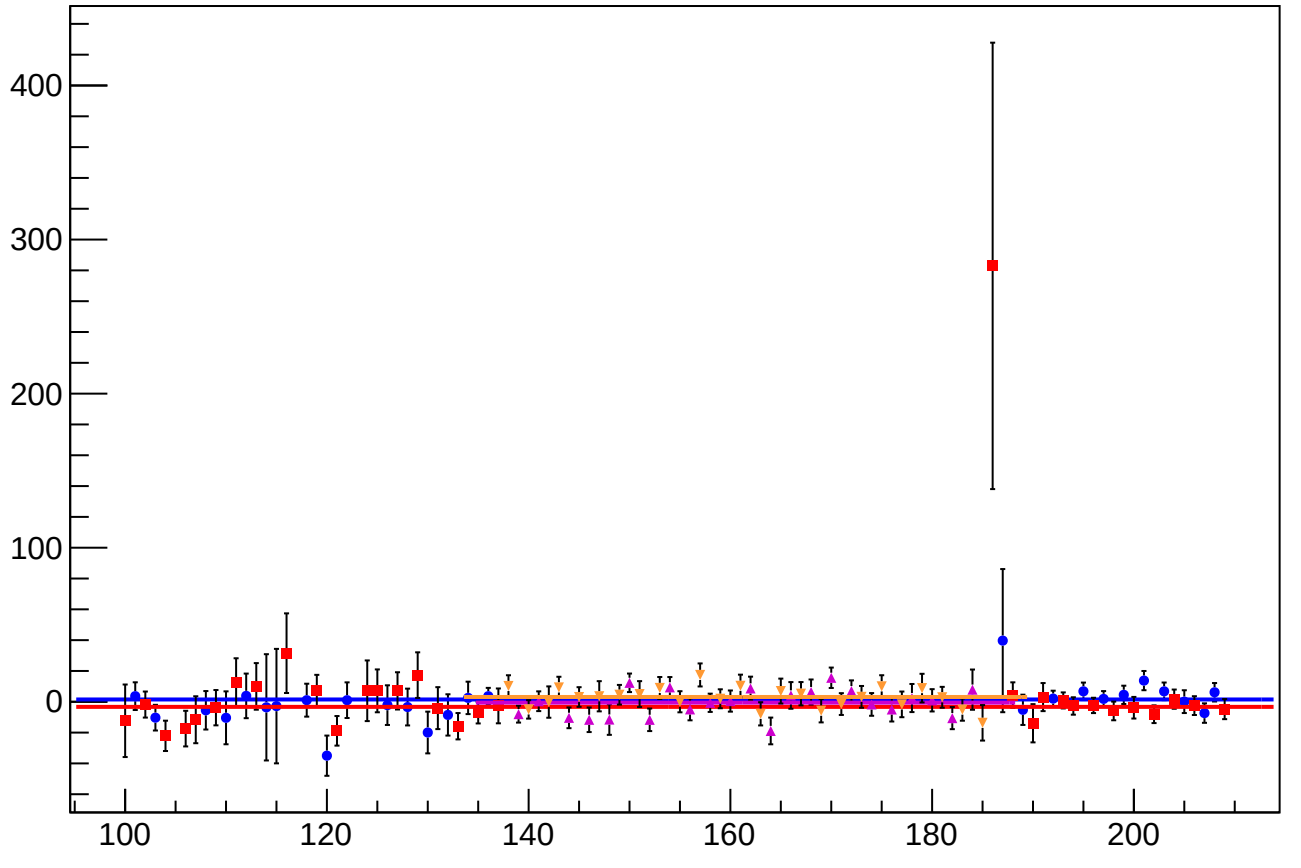
Left: 714.202+/-0.085 χ^2/NDF: 3622132.3/47

Right: 548.802+/-0.071 χ^2/NDF: 4962594.1/58

In: 605.557+/-0.077 χ^2/NDF:5467258.3/49

Out: 628.164+/-0.077 χ^2/NDF:5288910.8/56

All: 616.830+/-0.055 χ^2/NDF: 10798875.8/10



Right In: 1.498+/-1.567 χ^2/NDF: 23.8/26

Left Out: 3.111+/-1.476 χ^2/NDF:18.7/24

Right Out: -3.308+/-1.511 χ^2/NDF: 27.1/31

Left In: -0.550+/-1.512 χ^2/NDF:33.6/22

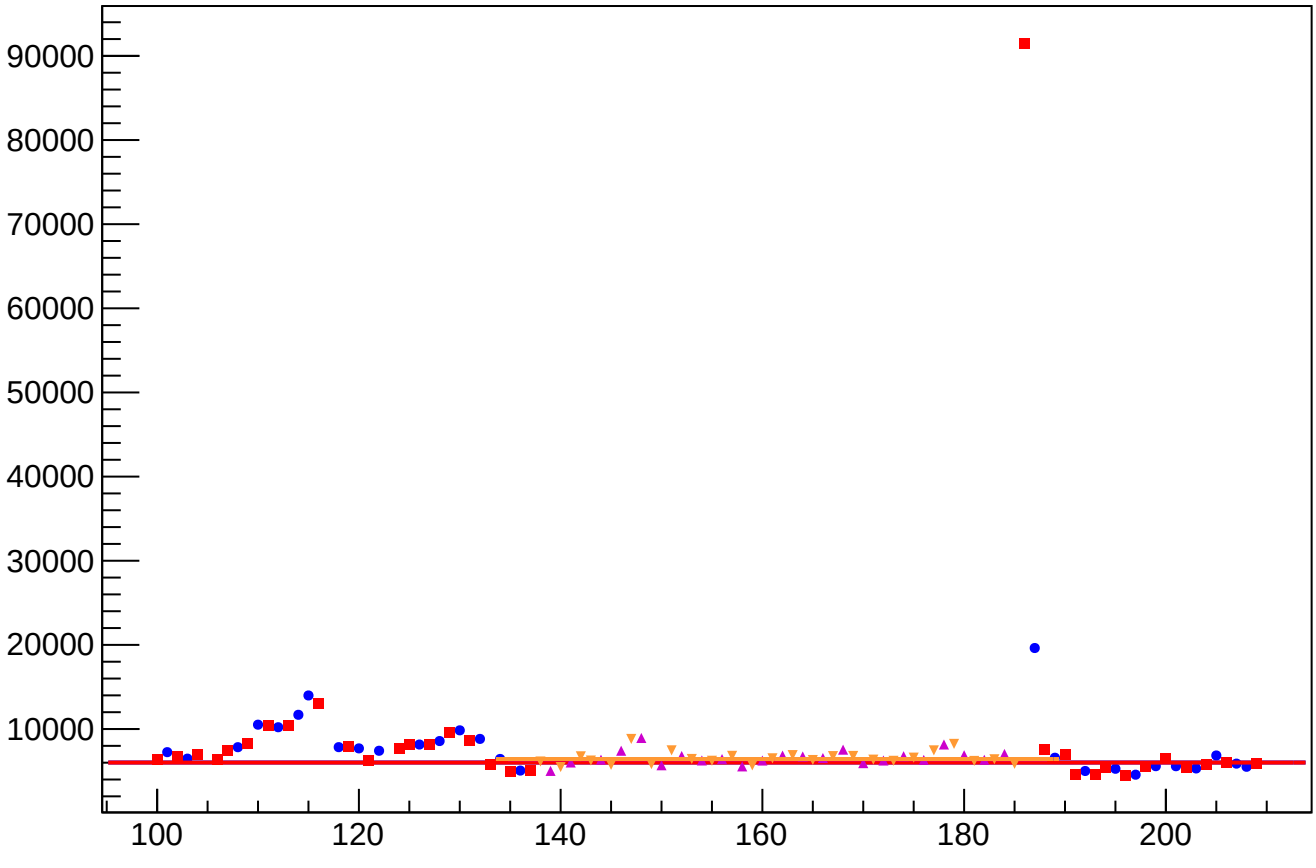
Left: 1.325+/-1.056 χ^2/NDF: 55.3/47

Right: -0.992+/-1.088 χ^2/NDF: 55.8/58

In: 0.438+/-1.088 χ^2/NDF:58.3/49

Out: -0.024+/-1.056 χ^2/NDF:55.1/56

All: 0.200+/-0.758 χ^2/NDF: 113.5/106



Right In: 6022.068+/-1.108 χ^2/NDF: 1662864.9/26

Left Out: 6435.363+/-1.044 χ^2/NDF:417318.3/24

Right Out: 6012.699+/-1.068 χ^2/NDF: 2318631.2/31

Left In: 6405.229+/-1.069 χ^2/NDF:525079.4/22

Left: 6420.661+/-0.747 χ^2/NDF: 942804.2/47

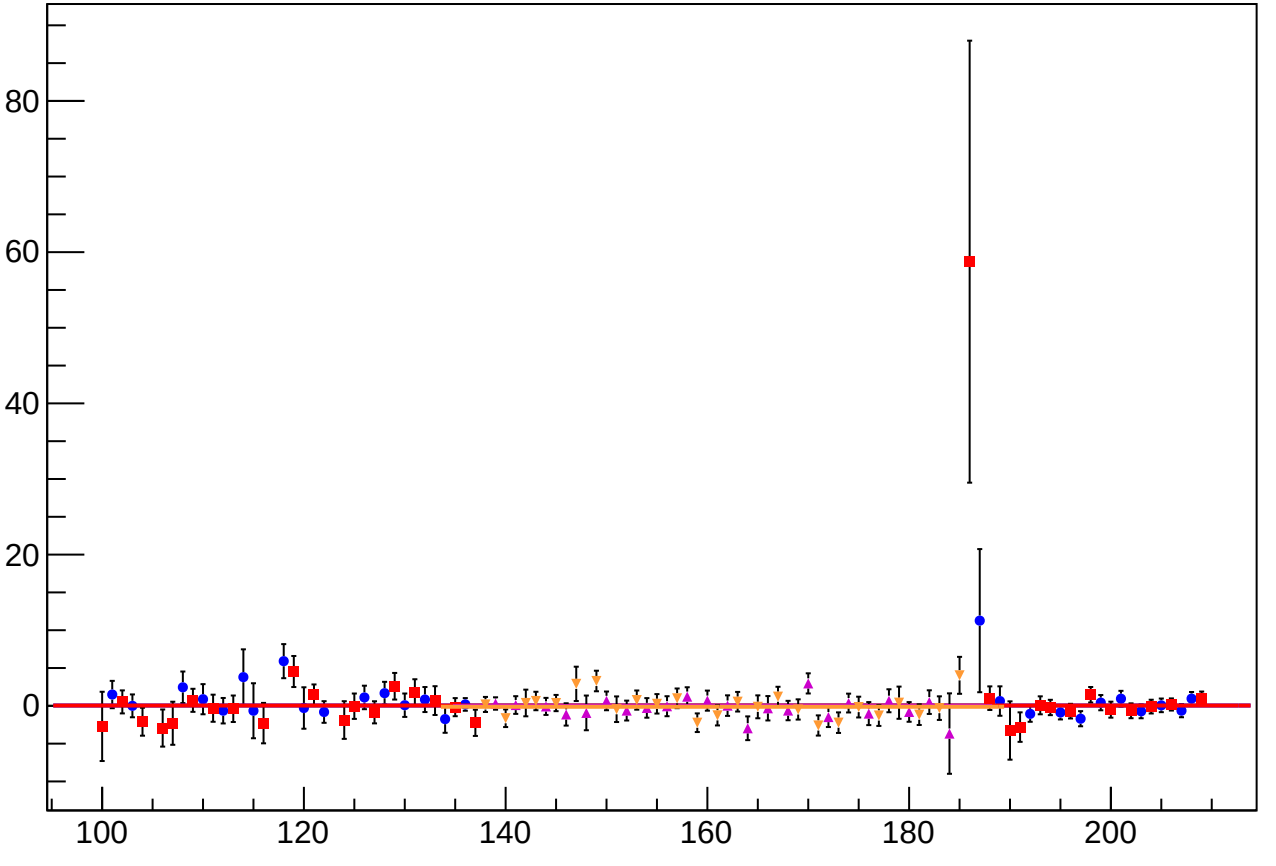
Right: 6017.214+/-0.769 χ^2/NDF: 3981533.2/58

In: 6220.414+/-0.769 χ^2/NDF:2249859.3/49

Out: 6228.944+/-0.747 χ^2/NDF:2816020.0/56

All: 6224.807+/-0.536 χ^2/NDF: 5065942.6/10

diff_bpm_4aY_4ecY_dd_mean vs Slug, Sign Corrected



Right In: 0.042+/-0.248 χ^2/NDF: 23.4/26

Left Out: -0.122+/-0.273 χ^2/NDF:27.0/24

Right Out: 0.039+/-0.247 χ^2/NDF: 28.7/31

Left In: -0.029+/-0.279 χ^2/NDF:14.4/22

Left: -0.077+/-0.195 χ^2/NDF: 41.5/47

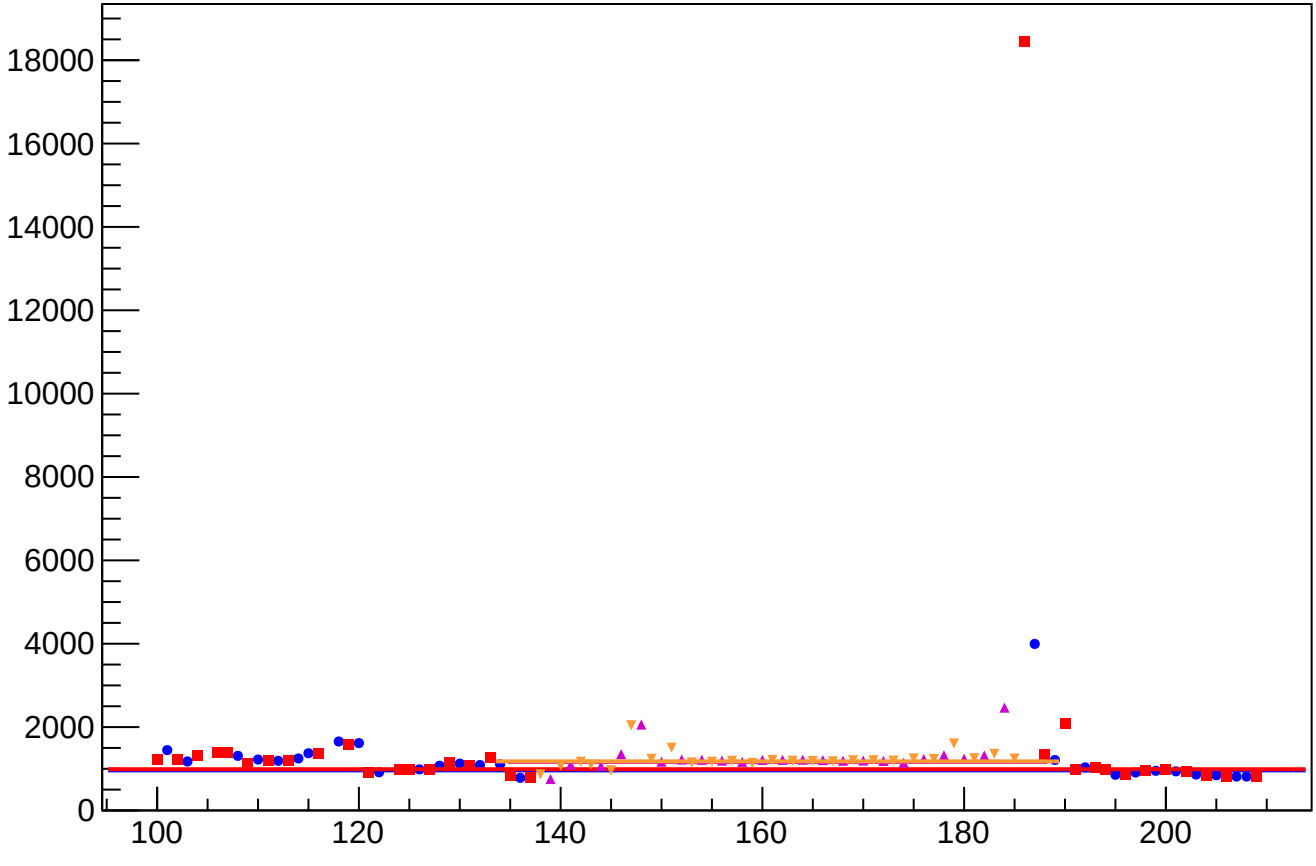
Right: 0.041+/-0.175 χ^2/NDF: 52.1/58

In: 0.011+/-0.185 χ^2/NDF:37.9/49

Out: -0.033+/-0.183 χ^2/NDF:55.9/56

All: -0.011+/-0.130 χ^2/NDF: 93.8/106

diff_bpm_4aY_4ecY_dd_rms vs Slug, Sign Corrected



Right In: 961.090+/-0.176 χ^2/NDF: 1257520.2/26

Left Out: 1177.742+/-0.193 χ^2/NDF:800899.0/24

Right Out: 989.370+/-0.175 χ^2/NDF: 1877287.3/31

Left In: 1163.827+/-0.197 χ^2/NDF:1052206.0/22

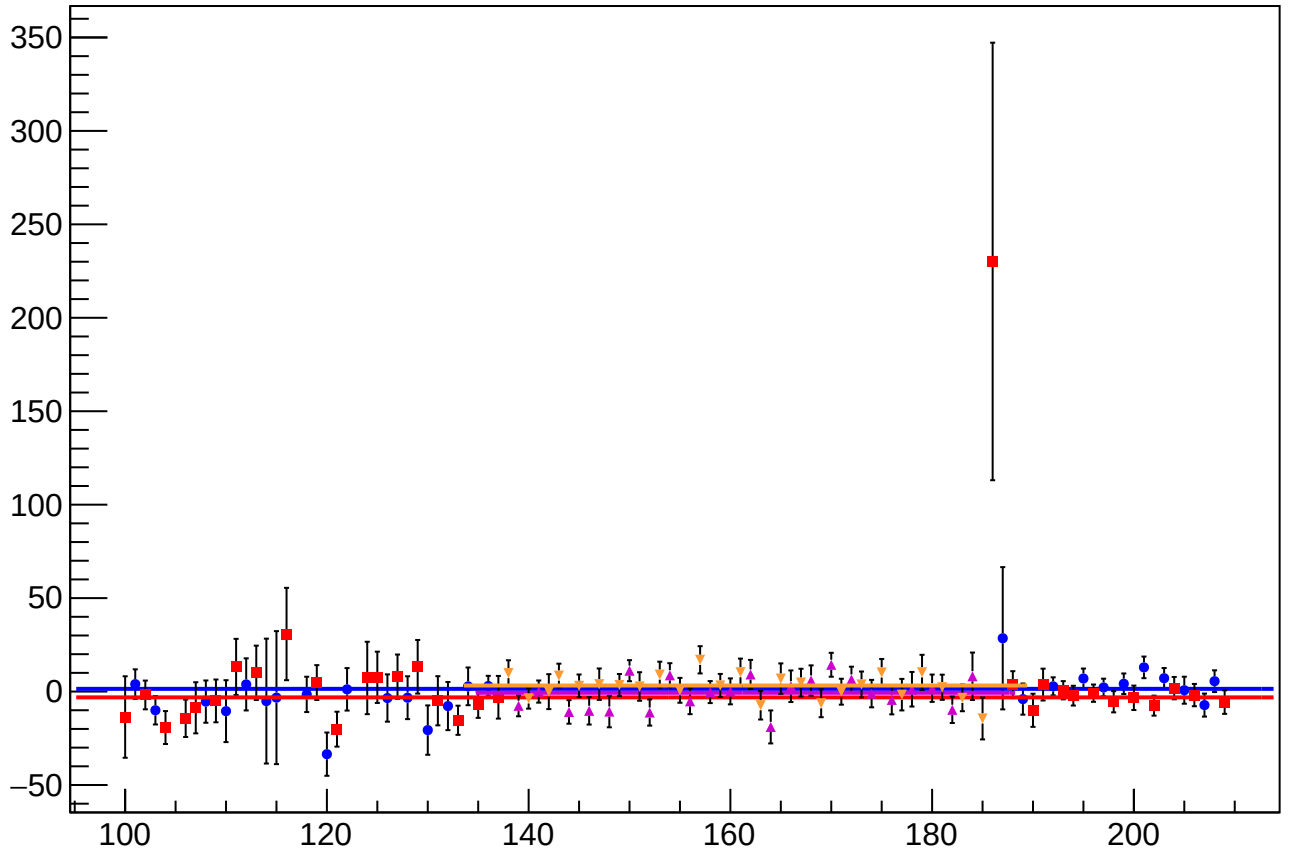
Left: 1170.916+/-0.138 χ^2/NDF: 1855646.9/47

Right: 975.296+/-0.124 χ^2/NDF: 3147847.0/58

In: 1050.819+/-0.131 χ^2/NDF:2900171.1/49

Out: 1074.063+/-0.130 χ^2/NDF:3200848.2/56

All: 1062.569+/-0.092 χ^2/NDF: 6116921.3/10



Right In: 1.448+/-1.479 χ^2/NDF: 26.2/26

Left Out: 3.234+/-1.430 χ^2/NDF:17.9/24

Right Out: -3.114+/-1.414 χ^2/NDF: 27.6/31

Left In: -0.667+/-1.474 χ^2/NDF:32.4/22

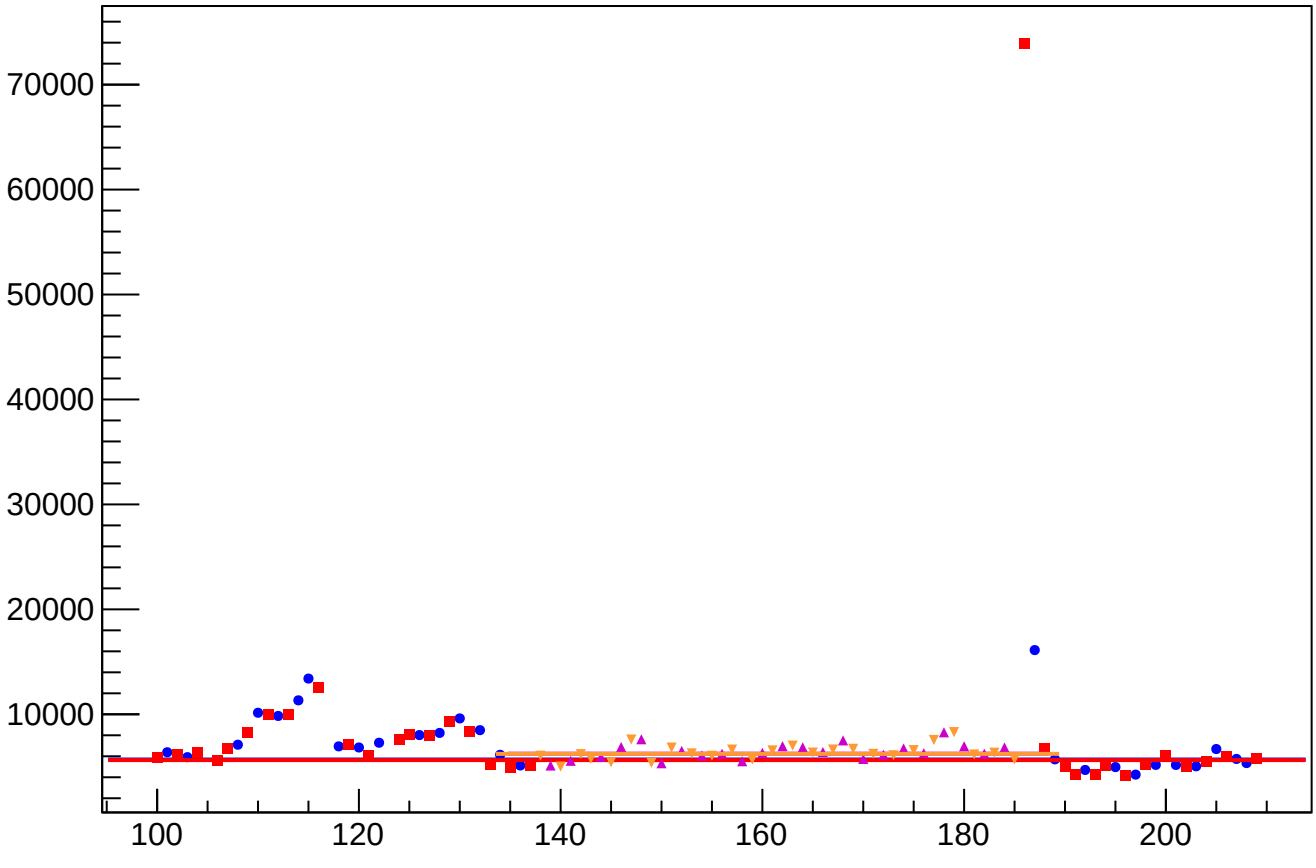
Left: 1.343+/-1.026 χ^2/NDF: 53.9/47

Right: -0.934+/-1.022 χ^2/NDF: 58.8/58

In: 0.387+/-1.044 χ^2/NDF:59.6/49

Out: 0.026+/-1.005 χ^2/NDF:55.5/56

All: 0.200+/-0.724 χ^2/NDF: 115.1/106



Right In: 5688.709+/-1.046 χ^2/NDF: 1642113.8/26

Left Out: 6228.654+/-1.011 χ^2/NDF:470851.7/24

Right Out: 5634.303+/-1.000 χ^2/NDF: 2340006.7/31

Left In: 6246.800+/-1.042 χ^2/NDF:484982.9/22

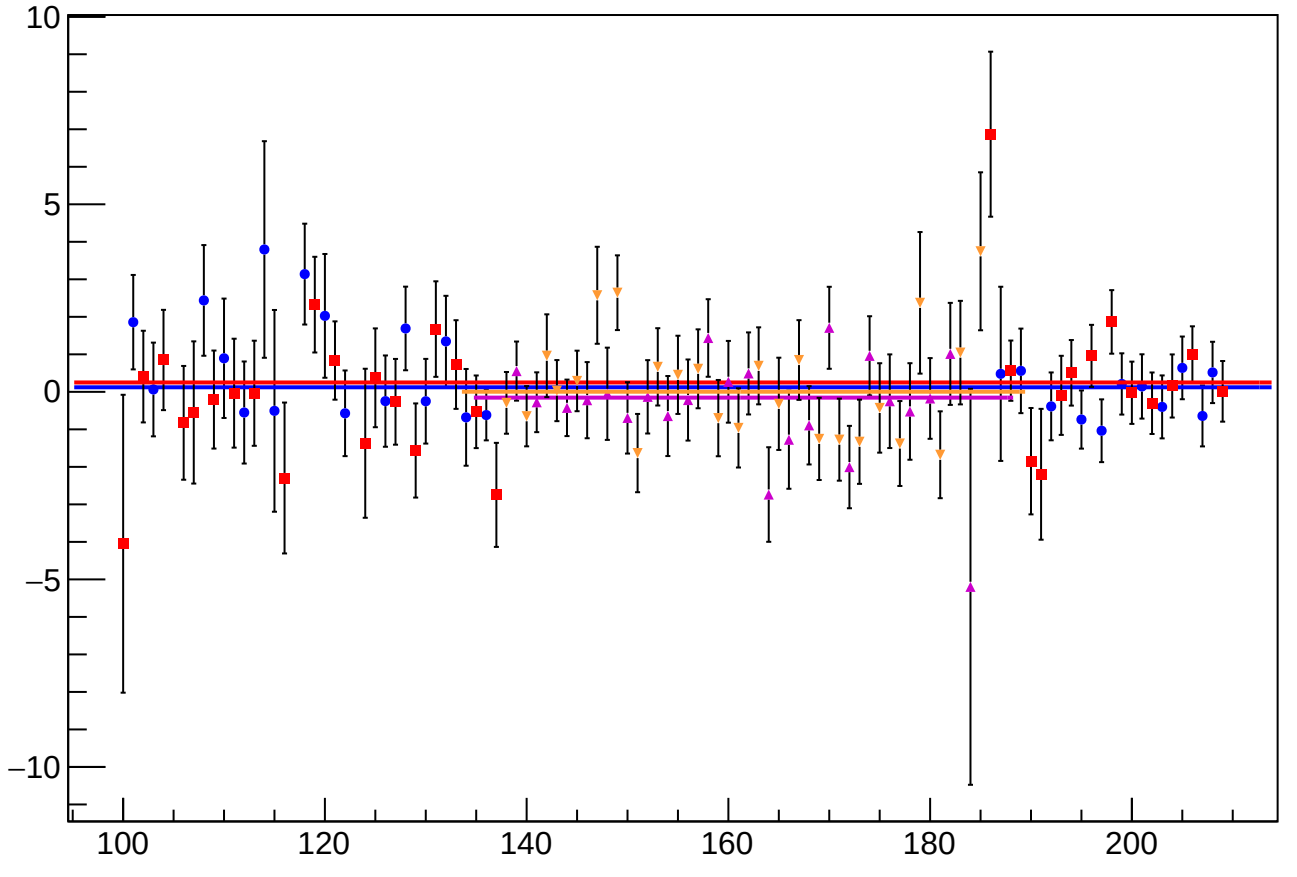
Left: 6237.452+/-0.726 χ^2/NDF: 955990.8/47

Right: 5660.294+/-0.723 χ^2/NDF: 3983534.6/58

In: 5968.698+/-0.738 χ^2/NDF:2270028.3/49

Out: 5928.259+/-0.711 χ^2/NDF:2985578.4/56

All: 5947.721+/-0.512 χ^2/NDF: 5257163.9/10



Right In: 0.121+/-0.203 χ^2/NDF: 23.6/26

Left Out: 0.003+/-0.212 χ^2/NDF:31.6/24

Right Out: 0.250+/-0.197 χ^2/NDF: 36.1/31

Left In: -0.154+/-0.221 χ^2/NDF:18.4/22

Left: -0.072+/-0.153 χ^2/NDF: 50.3/47

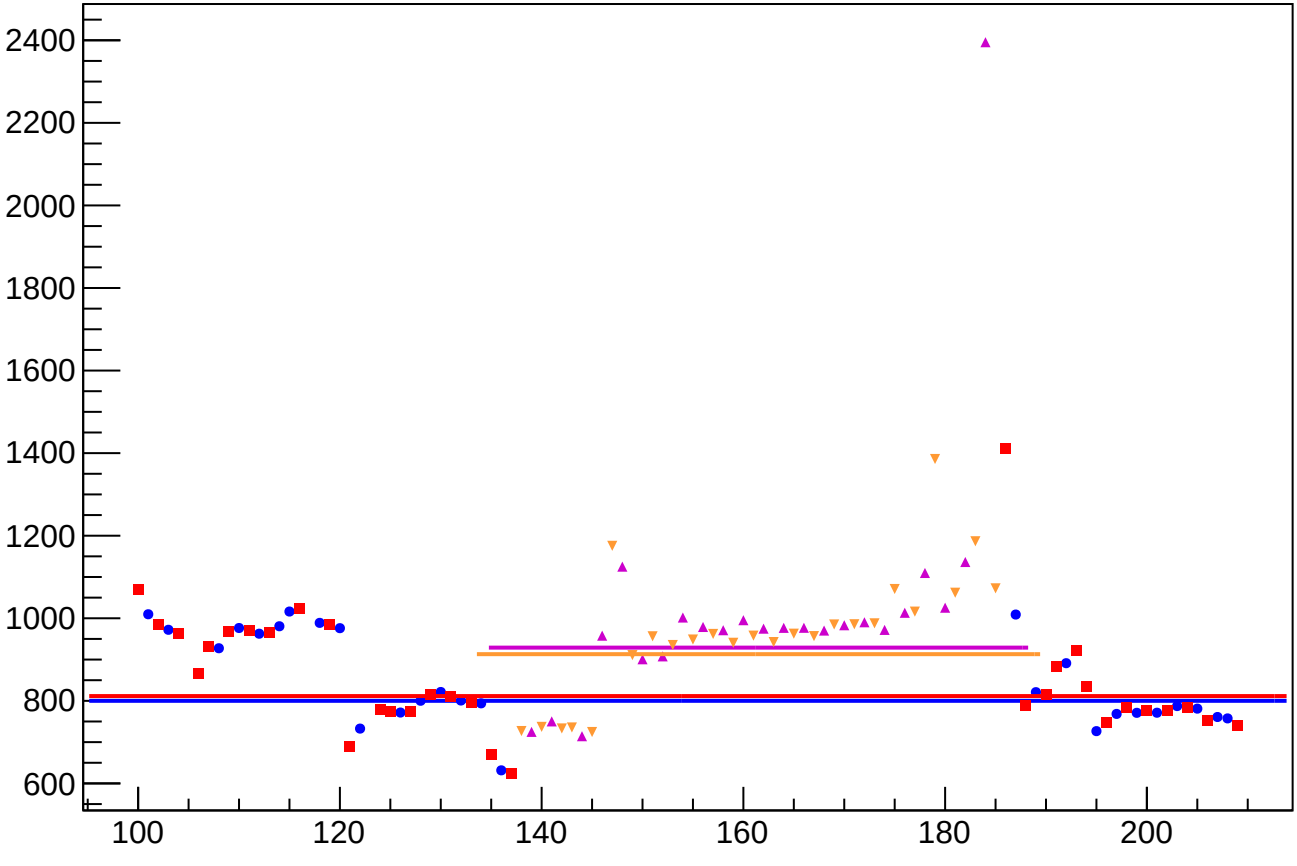
Right: 0.188+/-0.141 χ^2/NDF: 59.9/58

In: -0.004+/-0.149 χ^2/NDF:42.8/49

Out: 0.136+/-0.144 χ^2/NDF:68.5/56

All: 0.068+/-0.104 χ^2/NDF: 111.8/106

diff_bpm_4eY_4ecY_dd_rms vs Slug, Sign Corrected



Right In: 800.084+/-0.143 χ^2/NDF: 452111.9/26

Left Out: 913.070+/-0.150 χ^2/NDF:889200.0/24

Right Out: 811.556+/-0.139 χ^2/NDF: 561832.8/31

Left In: 928.913+/-0.156 χ^2/NDF:769065.0/22

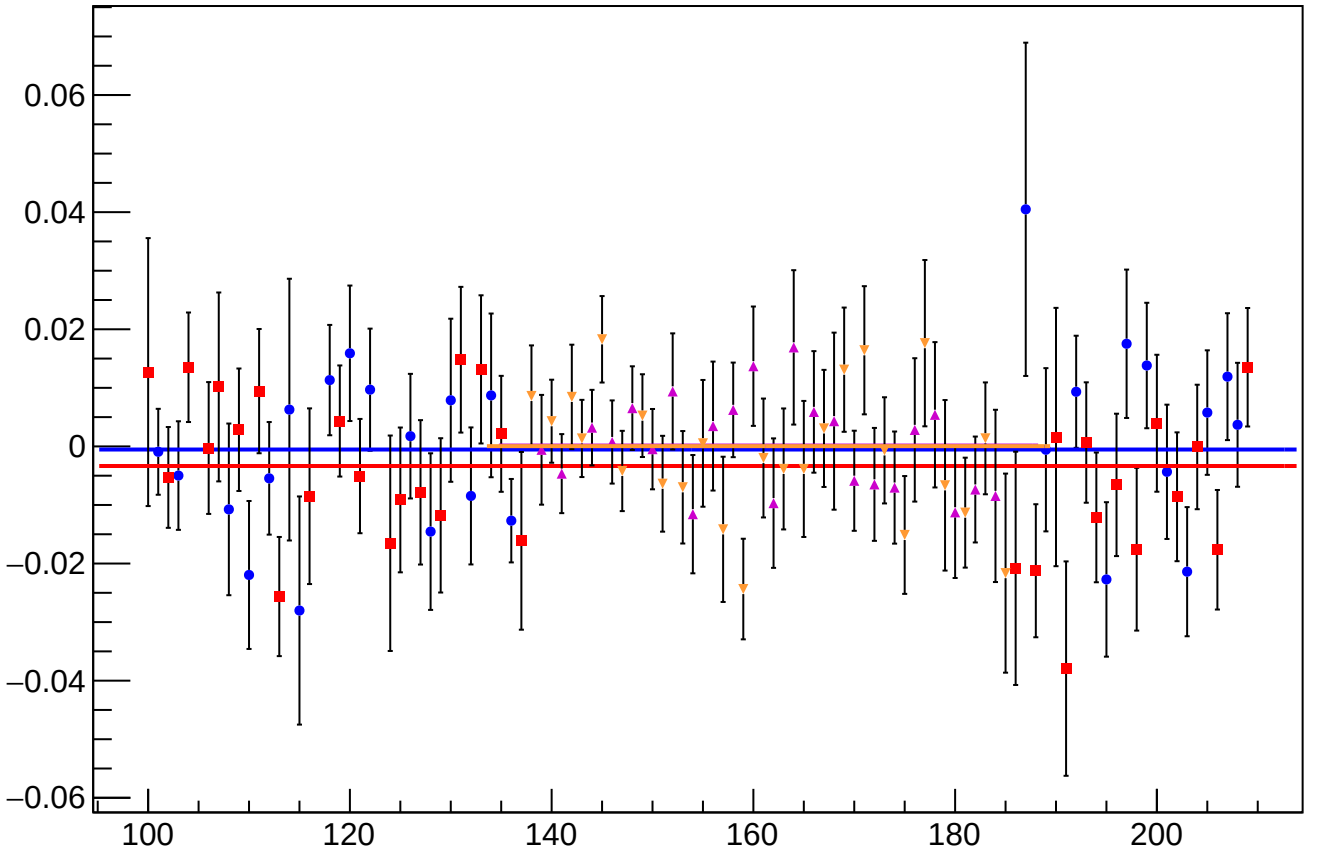
Left: 920.657+/-0.108 χ^2/NDF: 1663617.7/47

Right: 805.987+/-0.100 χ^2/NDF: 1017244.1/58

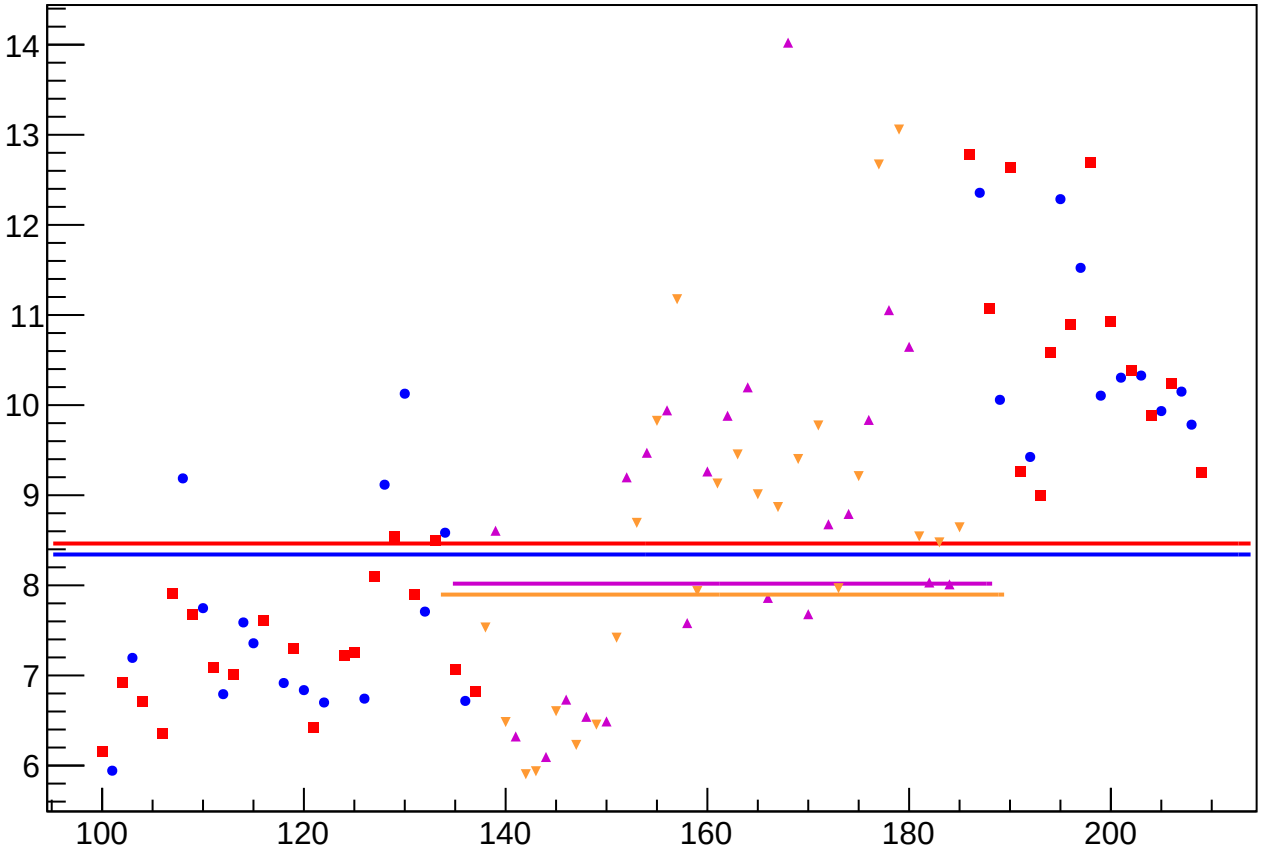
In: 858.890+/-0.106 χ^2/NDF:1590349.2/49

Out: 858.558+/-0.102 χ^2/NDF:1697466.3/56

All: 858.718+/-0.073 χ^2/NDF: 3287820.7/106


diff_dispE_bpm12X_mean vs Slug, Sign Corrected
0.06
0.04
0.02
0
−0.02
−0.04
−0.06
100
120
140
160
180
200
Right In: -0.001+/-0.002 χ²/NDF: 31.1/26
Left Out: 0.000+/-0.002 χ²/NDF:31.1/24
Right Out: -0.003+/-0.002 χ²/NDF: 32.3/31
Left In: 0.000+/-0.002 χ²/NDF:12.8/22
Left: 0.000+/-0.001 χ²/NDF: 43.9/47
Right: -0.002+/-0.001 χ²/NDF: 64.3/58
In: -0.000+/-0.001 χ²/NDF:44.0/49
Out: -0.001+/-0.001 χ²/NDF:64.9/56
All: -0.001+/-0.001 χ²/NDF: 109.3/106

diff_dispE_bpm12X_rms vs Slug, Sign Corrected



Right In: 8.342+/-0.002 χ^2/NDF: 1355393.8/26

Left Out: 7.897+/-0.001 χ^2/NDF:1590867.7/24

Right Out: 8.464+/-0.001 χ^2/NDF: 1410006.2/31

Left In: 8.019+/-0.001 χ^2/NDF:1455714.6/22

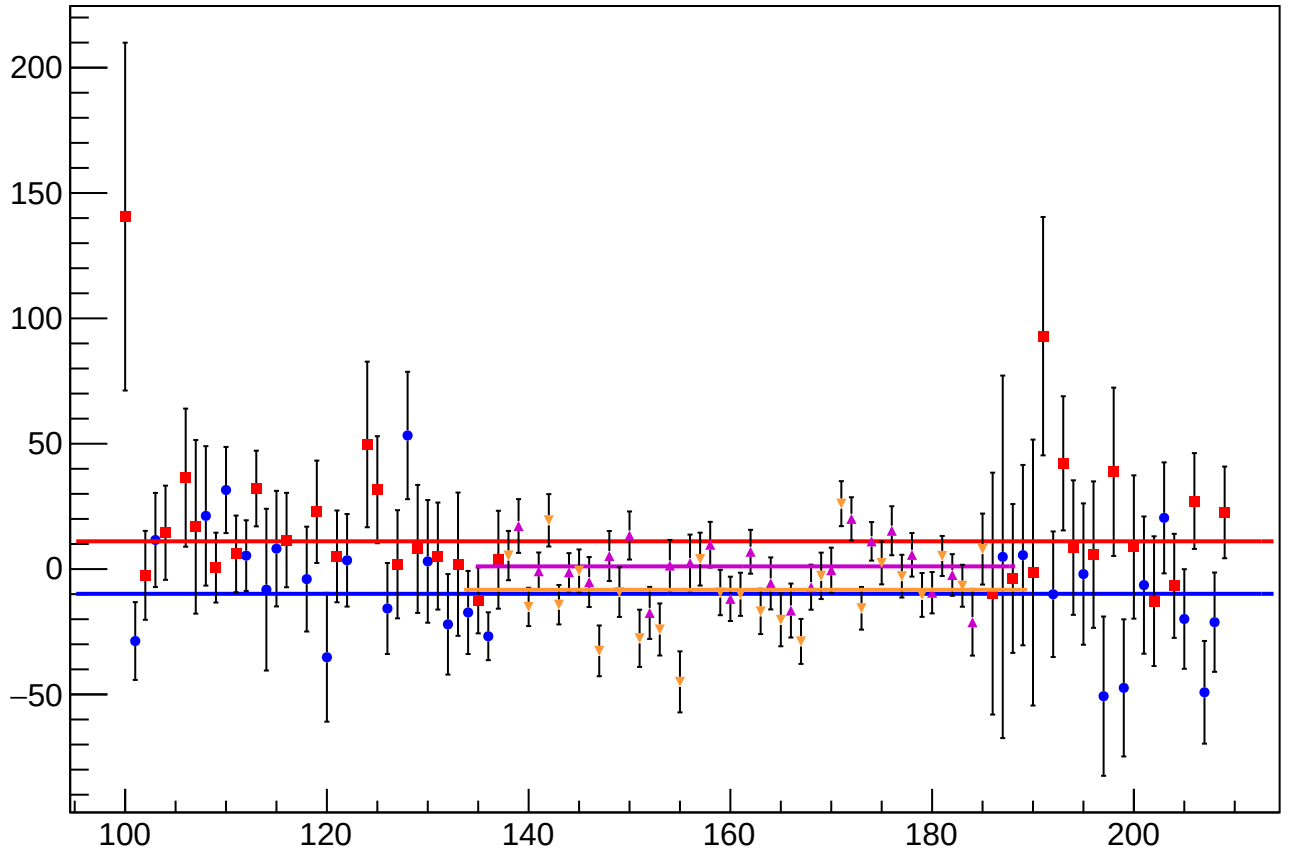
Left: 7.956+/-0.001 χ^2/NDF: 3050743.5/47

Right: 8.405+/-0.001 χ^2/NDF: 2768700.6/58

In: 8.162+/-0.001 χ^2/NDF:2836363.7/49

Out: 8.146+/-0.001 χ^2/NDF:3083777.9/56

All: 8.154+/-0.001 χ^2/NDF: 5920270.7/106



Right In: -9.867+/-3.874 χ^2/NDF: 33.5/26

Left Out: -8.256+/-1.849 χ^2/NDF:62.2/24

Right Out: 11.078+/-3.864 χ^2/NDF: 22.3/31

Left In: 1.072+/-1.921 χ^2/NDF:28.8/22

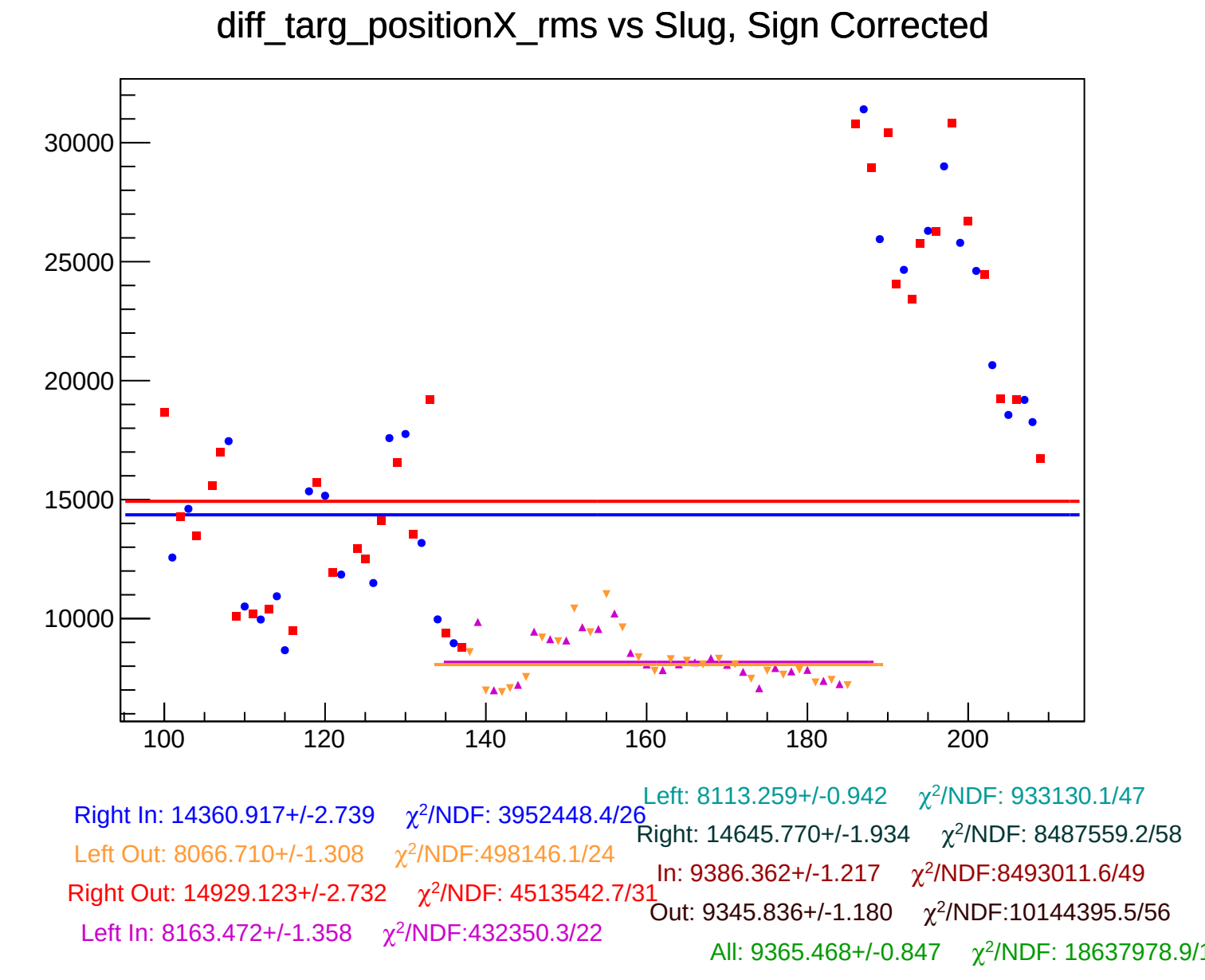
Left: -3.769+/-1.332 χ^2/NDF: 103.2/47

Right: 0.633+/-2.736 χ^2/NDF: 70.4/58

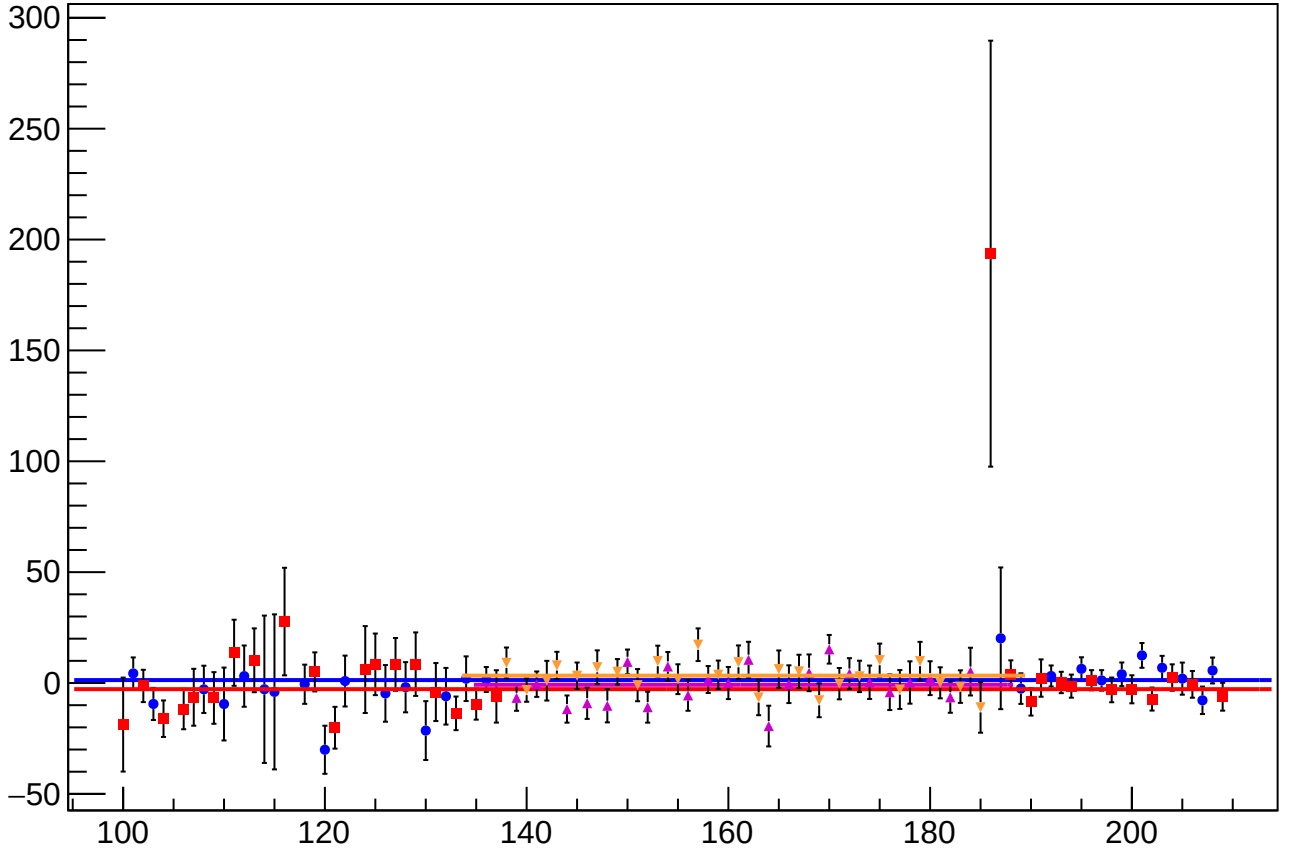
In: -1.087+/-1.721 χ^2/NDF:68.7/49

Out: -4.652+/-1.668 χ^2/NDF:104.8/56

All: -2.925+/-1.198 χ^2/NDF: 175.7/106


diff_targ_positionX_rms vs Slug, Sign Corrected
30000
25000
20000
15000
10000
100
120
140
160
180
200
Right In: 14360.917+/-2.739 χ²/NDF: 3952448.4/26
Left Out: 8066.710+/-1.308 χ²/NDF:498146.1/24
Right Out: 14929.123+/-2.732 χ²/NDF: 4513542.7/31
Left In: 8163.472+/-1.358 χ²/NDF:432350.3/22
Left: 8113.259+/-0.942 χ²/NDF: 933130.1/47
Right: 14645.770+/-1.934 χ²/NDF: 8487559.2/58
In: 9386.362+/-1.217 χ²/NDF:8493011.6/49
Out: 9345.836+/-1.180 χ²/NDF:10144395.5/56
All: 9365.468+/-0.847 χ²/NDF: 18637978.9/1

diff_targ_positionY_mean vs Slug, Sign Corrected



Right In: 1.324+/-1.444 χ^2/NDF: 24.8/26

Left Out: 3.330+/-1.431 χ^2/NDF:16.9/24

Right Out: -2.767+/-1.367 χ^2/NDF: 27.2/31

Left In: -0.797+/-1.479 χ^2/NDF:29.4/22

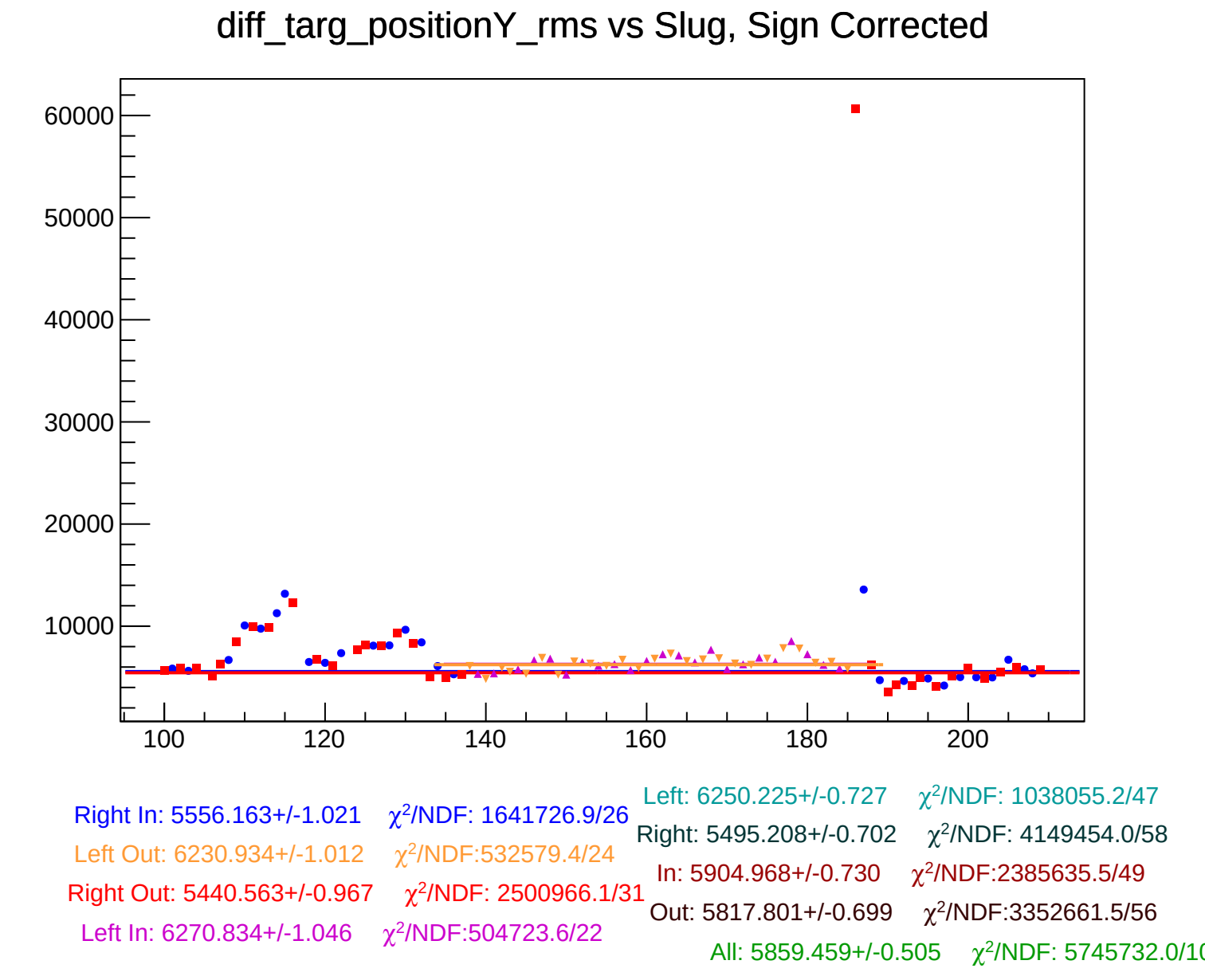
Left: 1.335+/-1.028 χ^2/NDF: 50.4/47

Right: -0.833+/-0.993 χ^2/NDF: 56.3/58

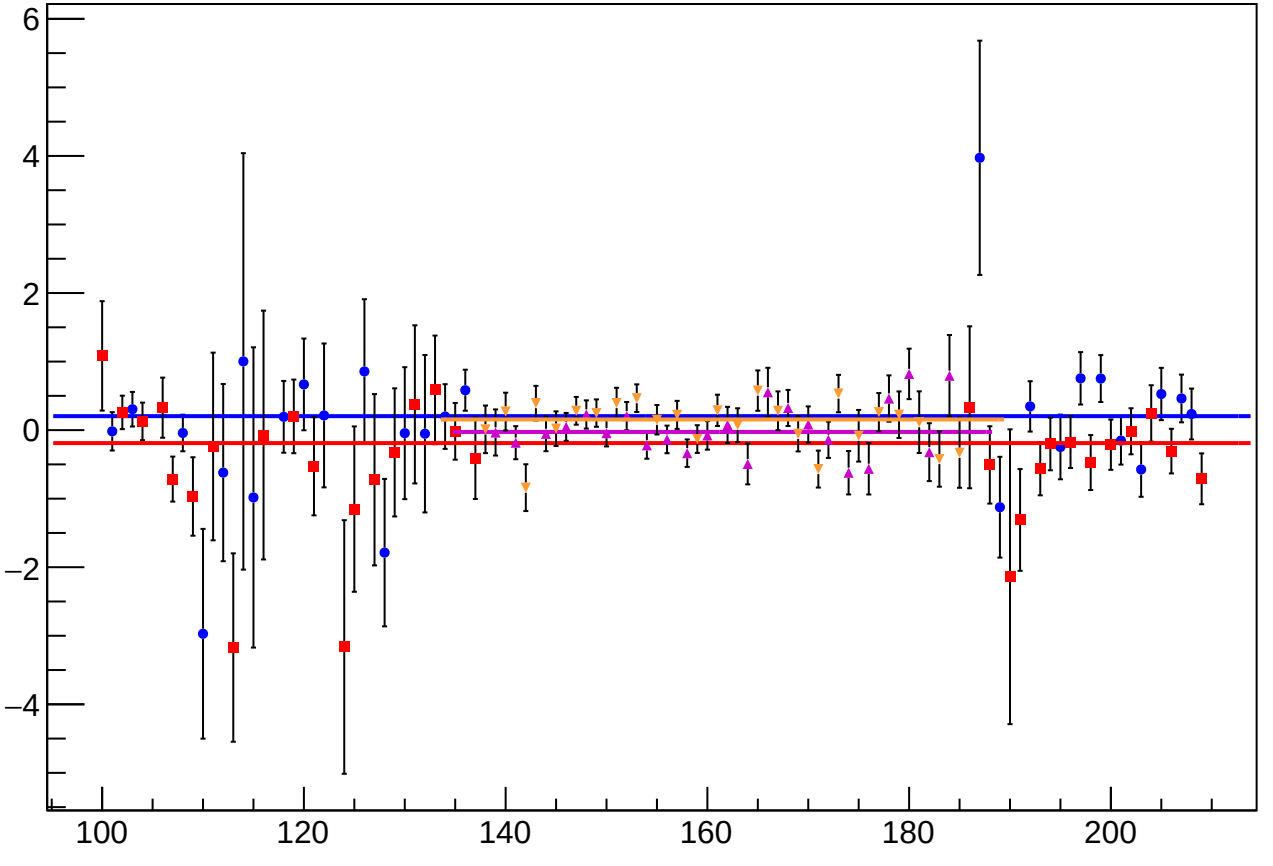
In: 0.289+/-1.033 χ^2/NDF:55.3/49

Out: 0.143+/-0.988 χ^2/NDF:53.7/56

All: 0.213+/-0.714 χ^2/NDF: 108.9/106


diff_targ_positionY_rms vs Slug, Sign Corrected
60000
50000
40000
30000
20000
10000
100
120
140
160
180
200
Right In: 5556.163+/-1.021 χ²/NDF: 1641726.9/26
Left Out: 6230.934+/-1.012 χ²/NDF:532579.4/24
Right Out: 5440.563+/-0.967 χ²/NDF: 2500966.1/31
Left In: 6270.834+/-1.046 χ²/NDF:504723.6/22
Left: 6250.225+/-0.727 χ²/NDF: 1038055.2/47
Right: 5495.208+/-0.702 χ²/NDF: 4149454.0/58
In: 5904.968+/-0.730 χ²/NDF:2385635.5/49
Out: 5817.801+/-0.699 χ²/NDF:3352661.5/56
All: 5859.459+/-0.505 χ²/NDF: 5745732.0/10

diff_targ_thetaX_mean vs Slug, Sign Corrected



Right In: 0.204+/-0.086 χ^2/NDF: 32.7/26

Left Out: 0.156+/-0.052 χ^2/NDF:32.3/24

Right Out: -0.189+/-0.084 χ^2/NDF: 32.0/31

Left In: -0.026+/-0.053 χ^2/NDF:29.8/22

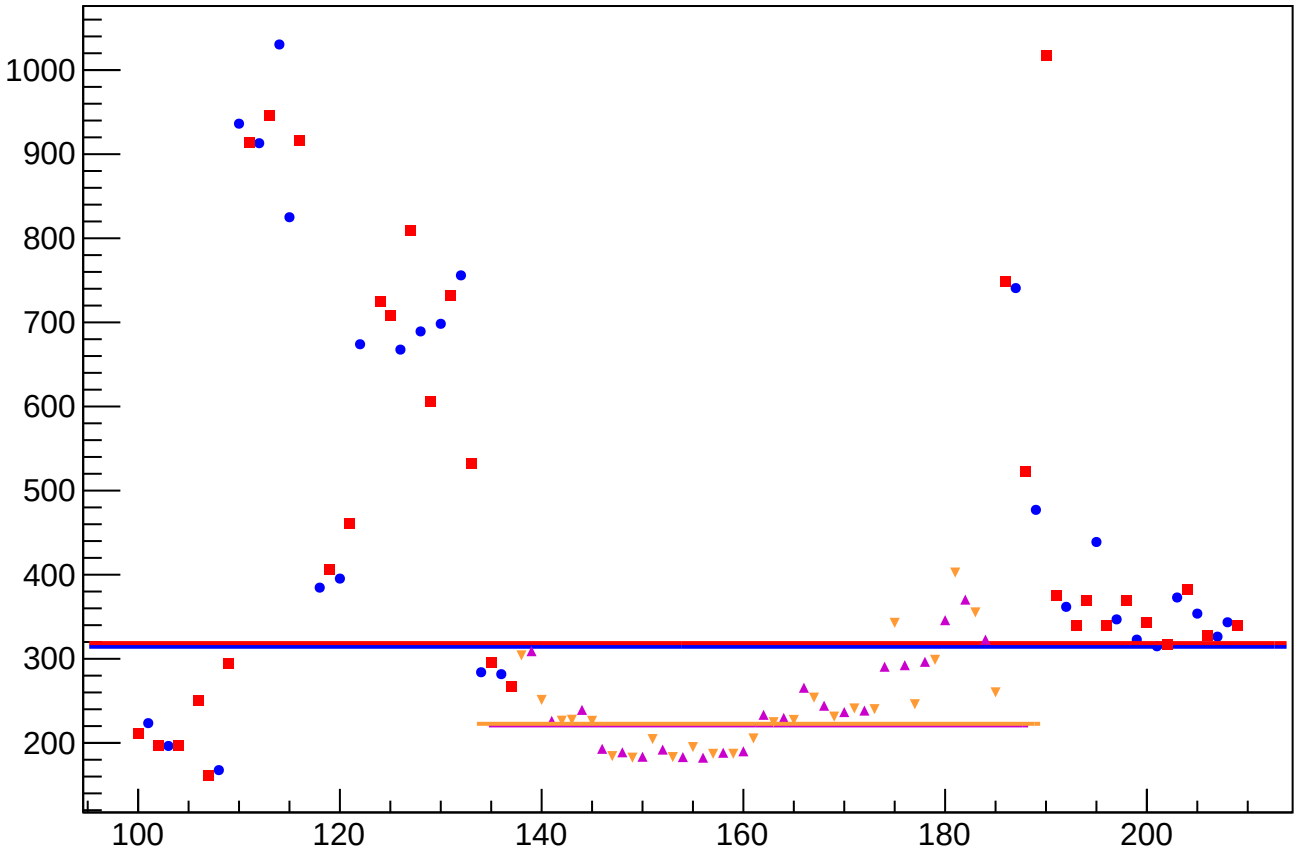
Left: 0.066+/-0.037 χ^2/NDF: 68.1/47

Right: 0.004+/-0.060 χ^2/NDF: 75.3/58

In: 0.037+/-0.045 χ^2/NDF:67.7/49

Out: 0.061+/-0.044 χ^2/NDF:76.4/56

All: 0.049+/-0.032 χ^2/NDF: 144.2/106



Right In: 314.330+/-0.061 χ^2/NDF: 4135792.2/26

Left Out: 222.727+/-0.037 χ^2/NDF:1451363.0/24

Right Out: 318.677+/-0.060 χ^2/NDF: 4706684.4/31

Left In: 220.802+/-0.037 χ^2/NDF:1471497.9/22

Left: 221.784+/-0.026 χ^2/NDF: 2924208.1/47

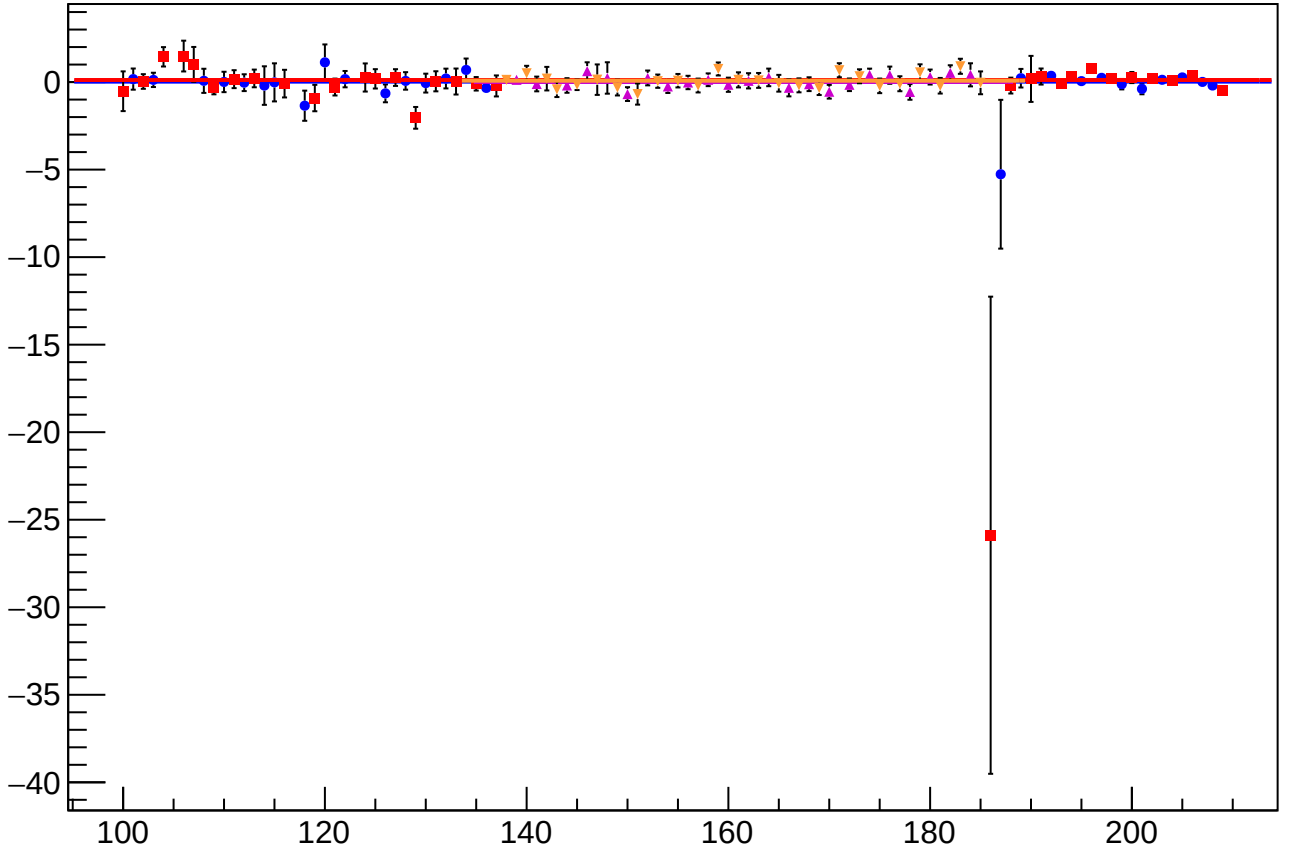
Right: 316.542+/-0.042 χ^2/NDF: 8845096.8/58

In: 246.670+/-0.032 χ^2/NDF:7331879.7/49

Out: 249.170+/-0.031 χ^2/NDF:8041151.2/56

All: 247.944+/-0.022 χ^2/NDF: 15376171.0/10

diff_targ_thetaY_mean vs Slug, Sign Corrected



Right In: 0.026+/-0.070 χ^2/NDF: 16.9/26

Left Out: 0.079+/-0.084 χ^2/NDF:19.0/24

Right Out: 0.118+/-0.070 χ^2/NDF: 46.3/31

Left In: 0.009+/-0.083 χ^2/NDF:15.2/22

Left: 0.043+/-0.059 χ^2/NDF: 34.6/47

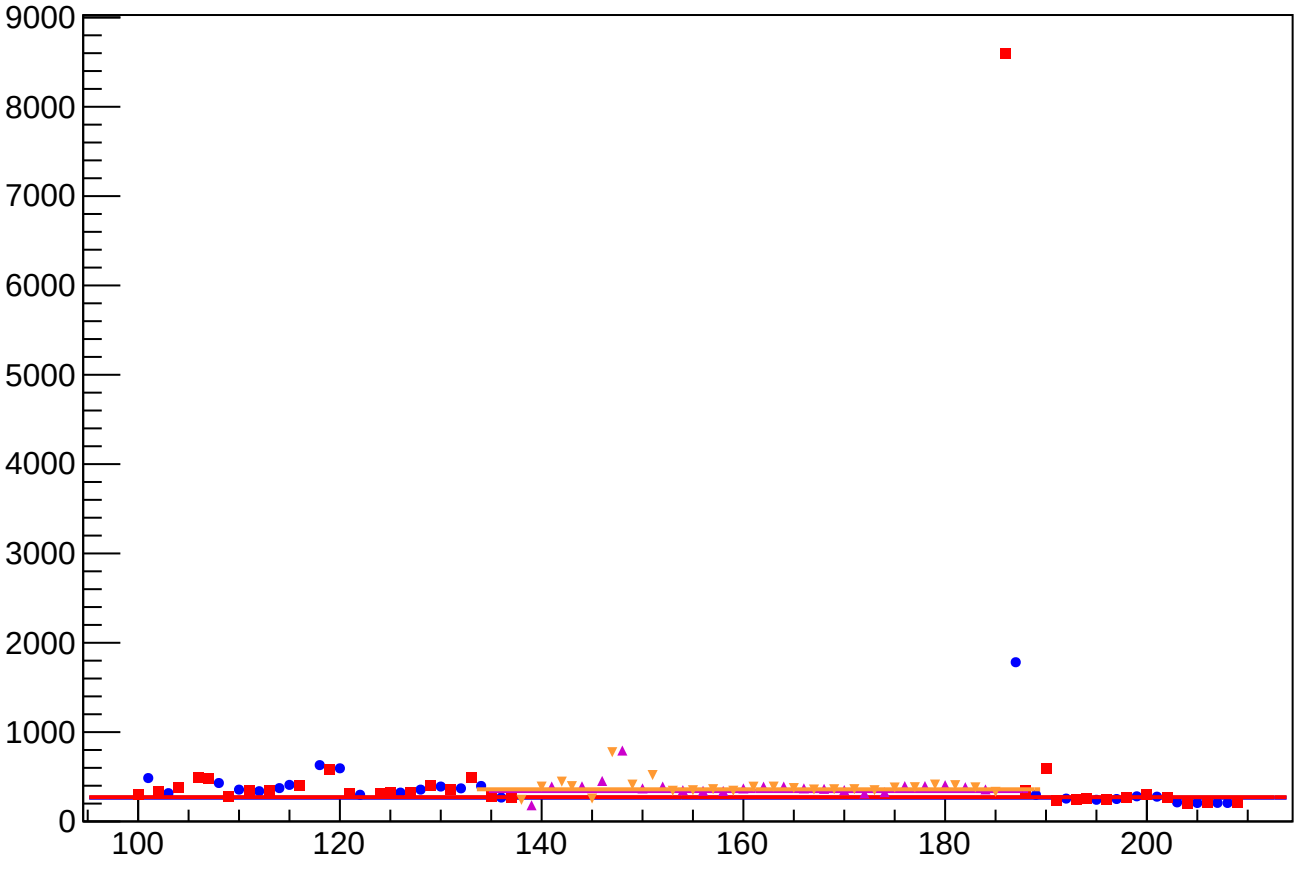
Right: 0.072+/-0.049 χ^2/NDF: 64.0/58

In: 0.019+/-0.054 χ^2/NDF:32.1/49

Out: 0.102+/-0.054 χ^2/NDF:65.3/56

All: 0.060+/-0.038 χ^2/NDF: 98.7/106

diff_targ_thetaY_rms vs Slug, Sign Corrected



Right In: 265.517+/-0.050 χ^2/NDF: 2299368.5/26

Left Out: 360.021+/-0.060 χ^2/NDF:1339748.9/24

Right Out: 272.077+/-0.049 χ^2/NDF: 2654403.5/31

Left In: 340.020+/-0.059 χ^2/NDF:2225094.5/22

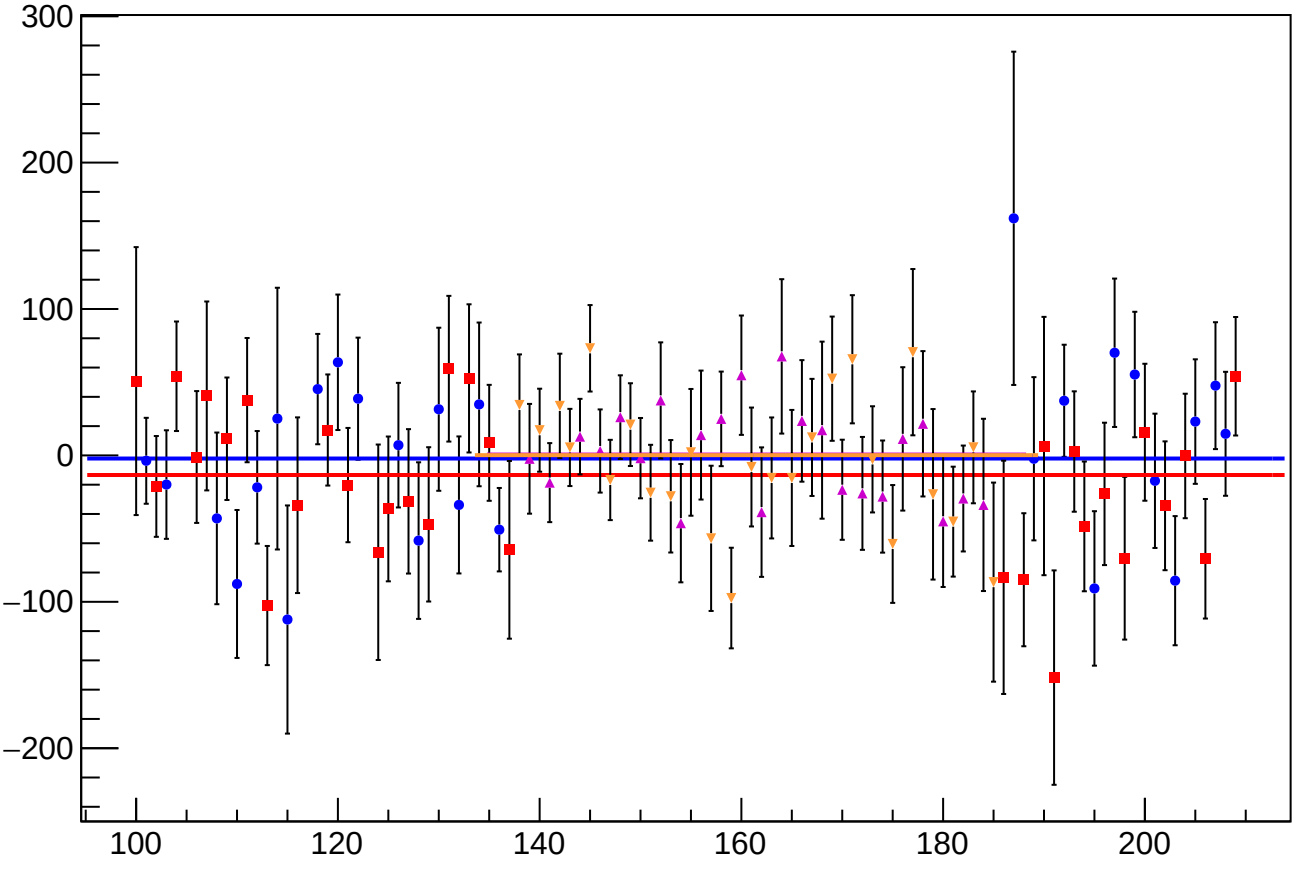
Left: 349.842+/-0.042 χ^2/NDF: 3622132.3/47

Right: 268.823+/-0.035 χ^2/NDF: 4962594.1/58

In: 296.624+/-0.038 χ^2/NDF:5467258.3/49

Out: 307.697+/-0.038 χ^2/NDF:5288910.8/56

All: 302.146+/-0.027 χ^2/NDF: 10798875.8/10



Right In: -2.128+/-8.599 χ^2/NDF: 31.1/26

Left Out: 0.168+/-7.375 χ^2/NDF:31.1/24

Right Out: -13.387+/-8.339 χ^2/NDF: 32.3/31

Left In: 0.586+/-7.667 χ^2/NDF:12.8/22

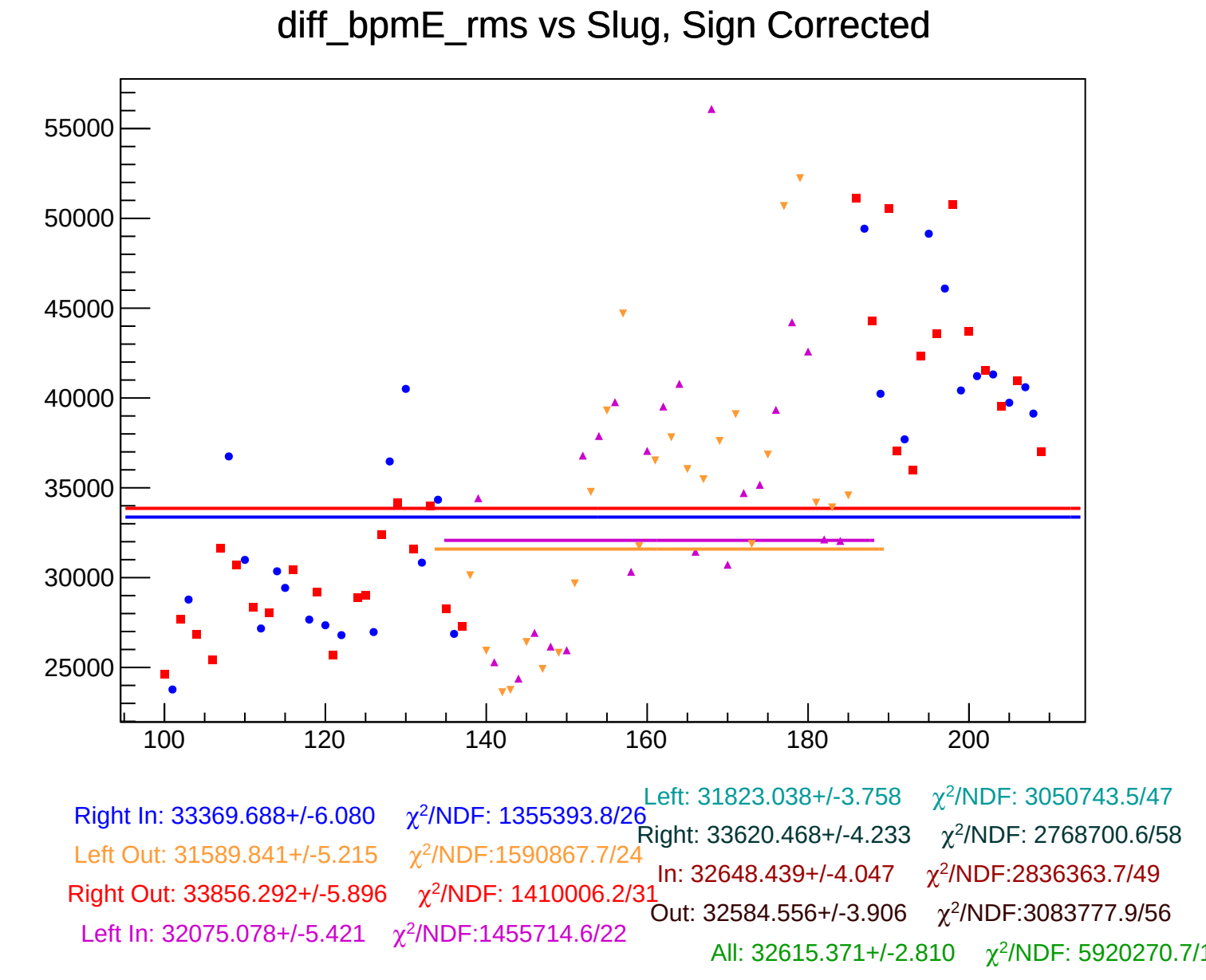
Left: 0.369+/-5.315 χ^2/NDF: 43.9/47

Right: -7.930+/-5.986 χ^2/NDF: 64.3/58

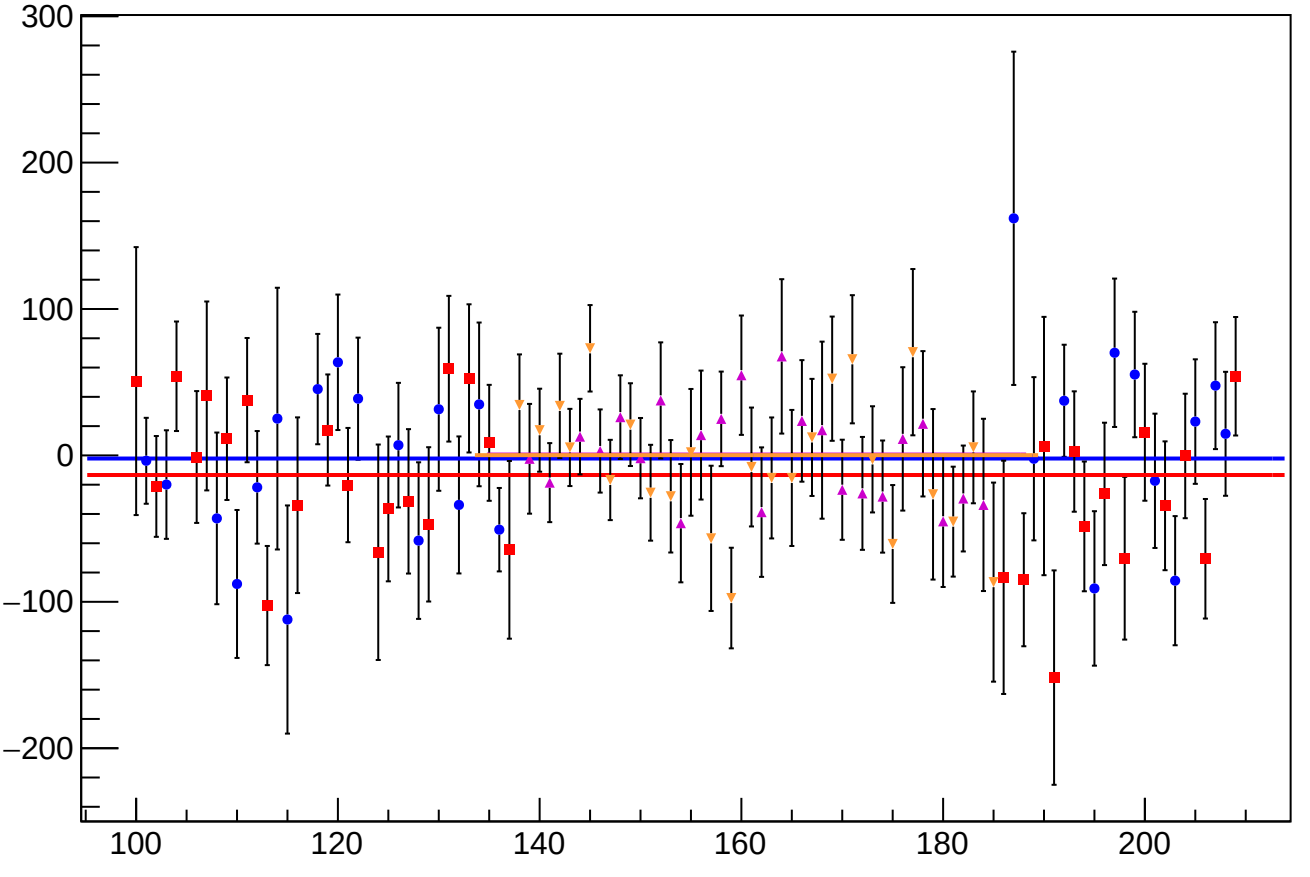
In: -0.616+/-5.723 χ^2/NDF:44.0/49

Out: -5.781+/-5.524 χ^2/NDF:64.9/56

All: -3.290+/-3.975 χ^2/NDF: 109.3/106


diff_bpmE_rms vs Slug, Sign Corrected
55000
50000
45000
40000
35000
30000
25000
100
120
140
160
180
200
Right In: 33369.688+/-6.080 χ²/NDF: 1355393.8/26
Left Out: 31589.841+/-5.215 χ²/NDF:1590867.7/24
Right Out: 33856.292+/-5.896 χ²/NDF: 1410006.2/31
Left In: 32075.078+/-5.421 χ²/NDF:1455714.6/22
Left: 31823.038+/-3.758 χ²/NDF: 3050743.5/47
Right: 33620.468+/-4.233 χ²/NDF: 2768700.6/58
In: 32648.439+/-4.047 χ²/NDF:2836363.7/49
Out: 32584.556+/-3.906 χ²/NDF:3083777.9/56
All: 32615.371+/-2.810 χ²/NDF: 5920270.7/1

diff_bpmEX_mean vs Slug, Sign Corrected



Right In: -2.128+/-8.599 χ^2/NDF: 31.1/26

Left Out: 0.168+/-7.375 χ^2/NDF:31.1/24

Right Out: -13.387+/-8.339 χ^2/NDF: 32.3/31

Left In: 0.586+/-7.667 χ^2/NDF:12.8/22

Left: 0.369+/-5.315 χ^2/NDF: 43.9/47

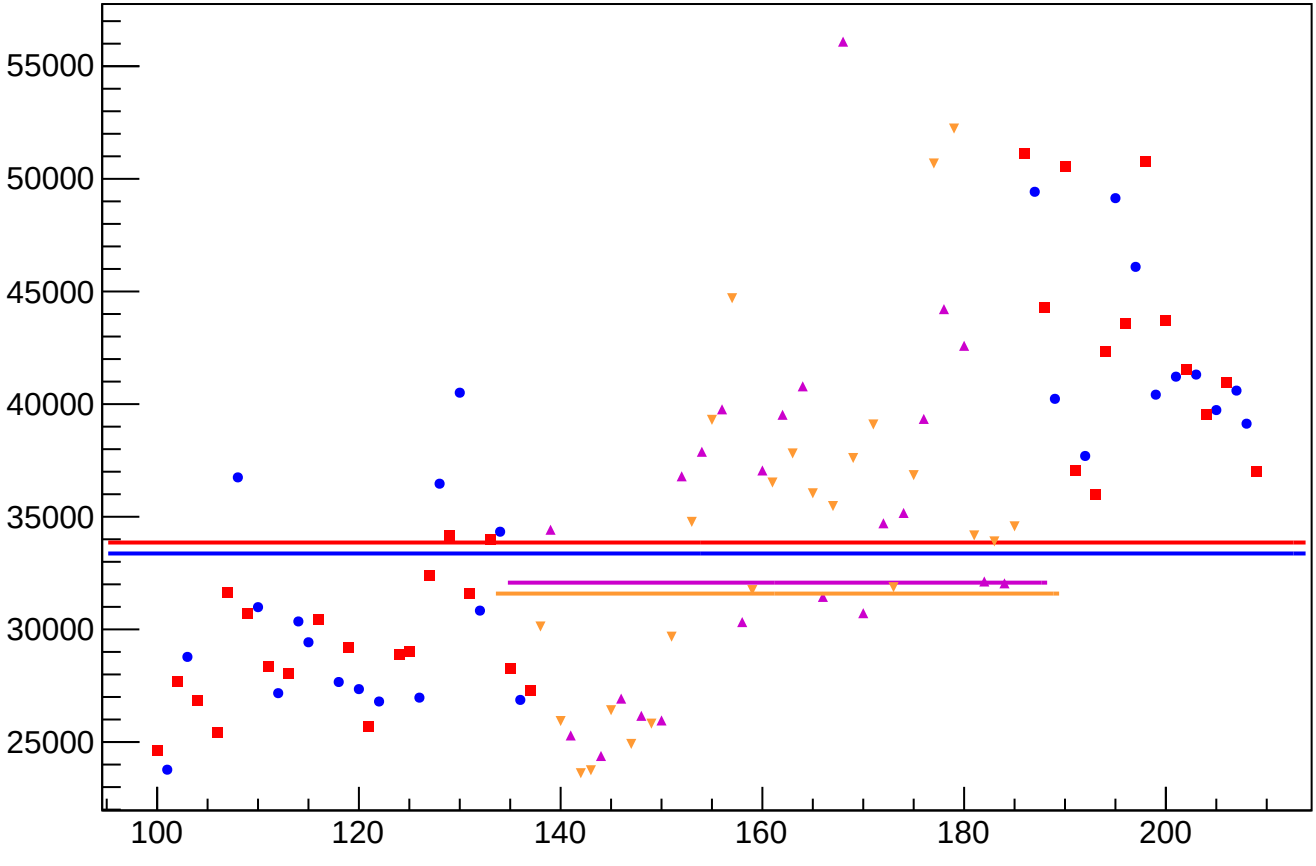
Right: -7.930+/-5.986 χ^2/NDF: 64.3/58

In: -0.616+/-5.723 χ^2/NDF:44.0/49

Out: -5.781+/-5.524 χ^2/NDF:64.9/56

All: -3.290+/-3.975 χ^2/NDF: 109.3/106

diff_bpmEX_rms vs Slug, Sign Corrected



Right In: 33369.688+/-6.080 χ^2/NDF: 1355393.8/26

Left Out: 31589.841+/-5.215 χ^2/NDF:1590867.7/24

Right Out: 33856.292+/-5.896 χ^2/NDF: 1410006.2/31

Left In: 32075.078+/-5.421 χ^2/NDF:1455714.6/22

Left: 31823.038+/-3.758 χ^2/NDF: 3050743.5/47

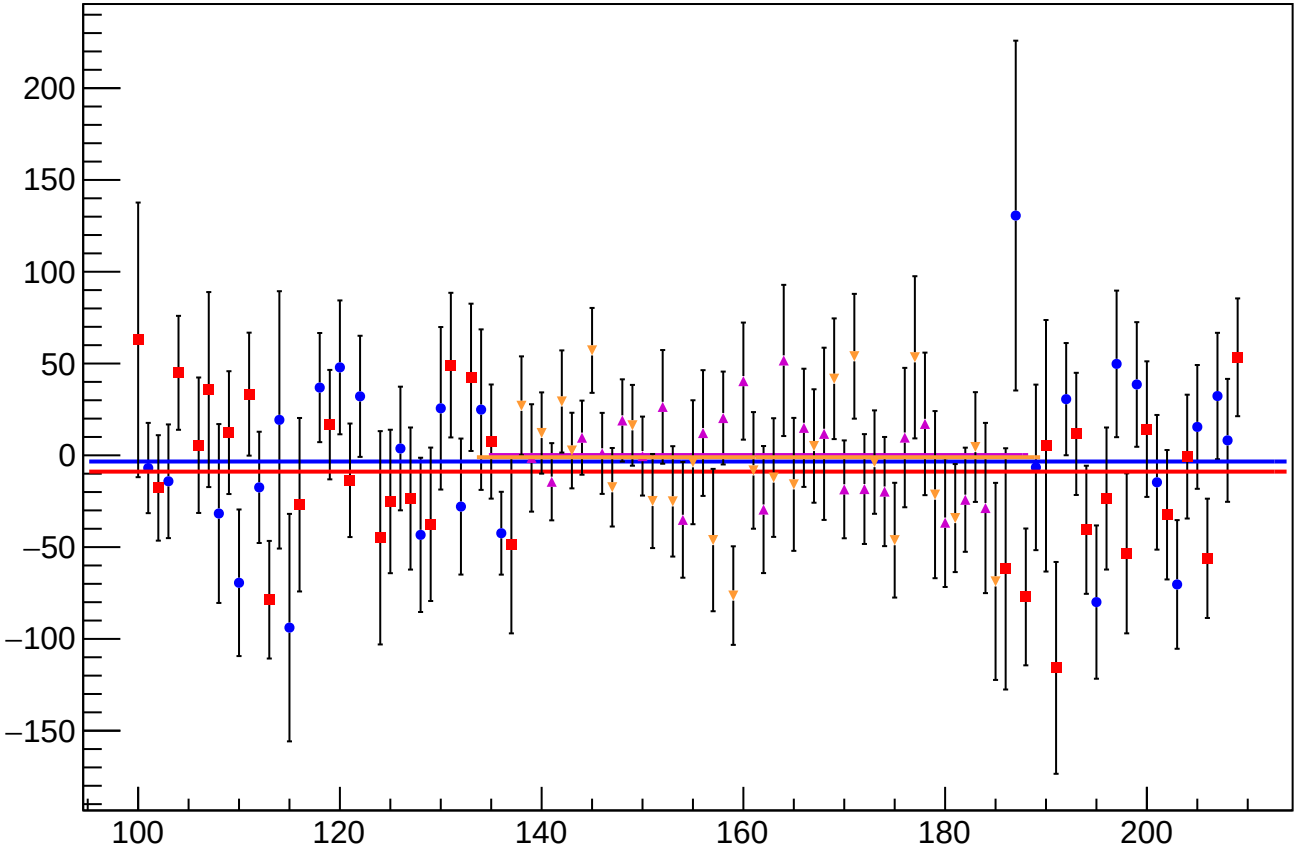
Right: 33620.468+/-4.233 χ^2/NDF: 2768700.6/58

In: 32648.439+/-4.047 χ^2/NDF:2836363.7/49

Out: 32584.556+/-3.906 χ^2/NDF:3083777.9/56

All: 32615.371+/-2.810 χ^2/NDF: 5920270.7/1

diff_bpmE_11X12X_mean vs Slug, Sign Corrected



Right In: -3.371+/-6.869 χ^2/NDF: 31.0/26

Left Out: -1.042+/-5.755 χ^2/NDF:32.3/24

Right Out: -8.877+/-6.660 χ^2/NDF: 35.1/31

Left In: 0.147+/-5.985 χ^2/NDF:12.1/22

Left: -0.471+/-4.148 χ^2/NDF: 44.5/47

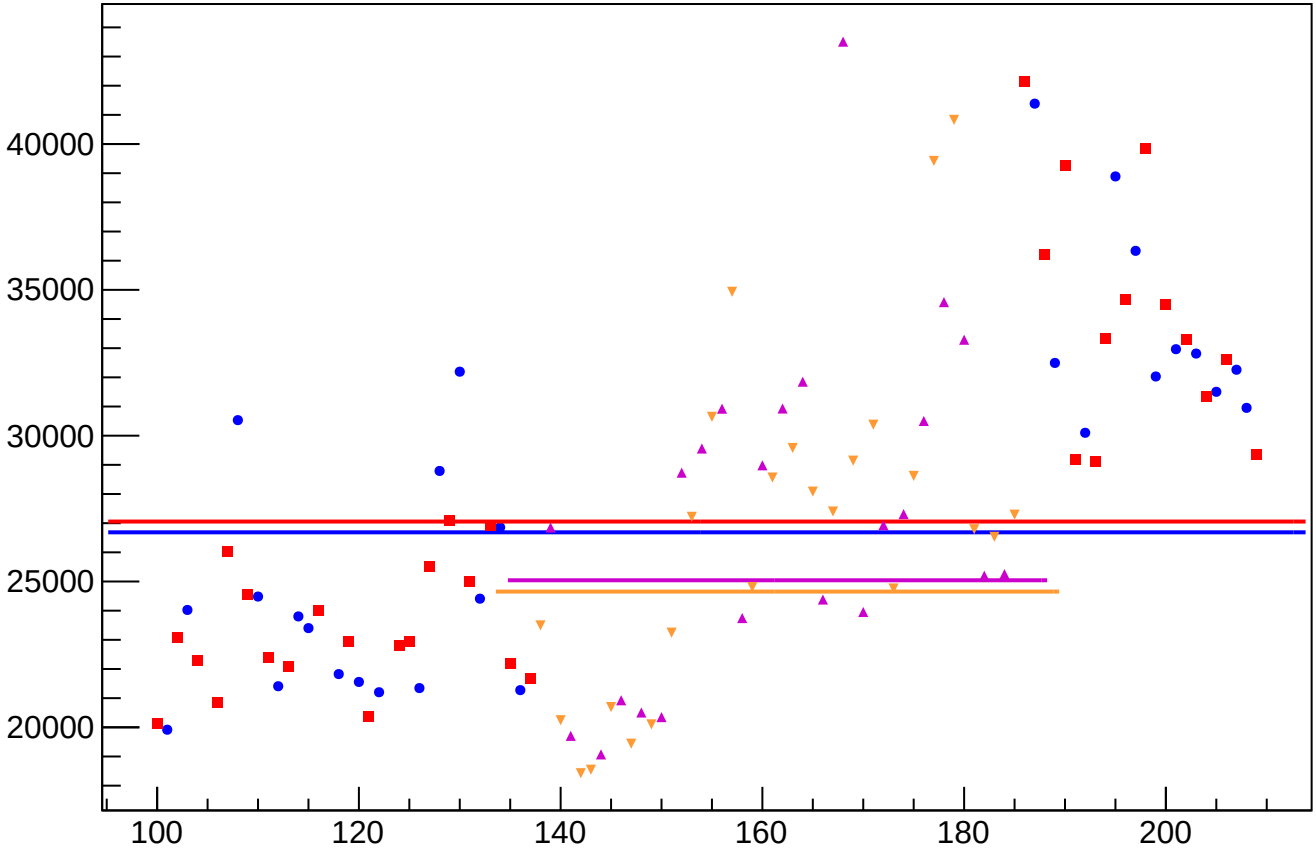
Right: -6.209+/-4.782 χ^2/NDF: 66.5/58

In: -1.371+/-4.512 χ^2/NDF:43.3/49

Out: -4.391+/-4.354 χ^2/NDF:68.3/56

All: -2.935+/-3.133 χ^2/NDF: 111.8/106

diff_bpmE_11X12X_rms vs Slug, Sign Corrected



Right In: 26686.386+/-4.857 χ^2/NDF: 1300453.0/26

Left Out: 24654.001+/-4.069 χ^2/NDF:1582710.2/24

Right Out: 27055.599+/-4.710 χ^2/NDF: 1373562.2/31

Left In: 25041.993+/-4.232 χ^2/NDF:1441641.5/22

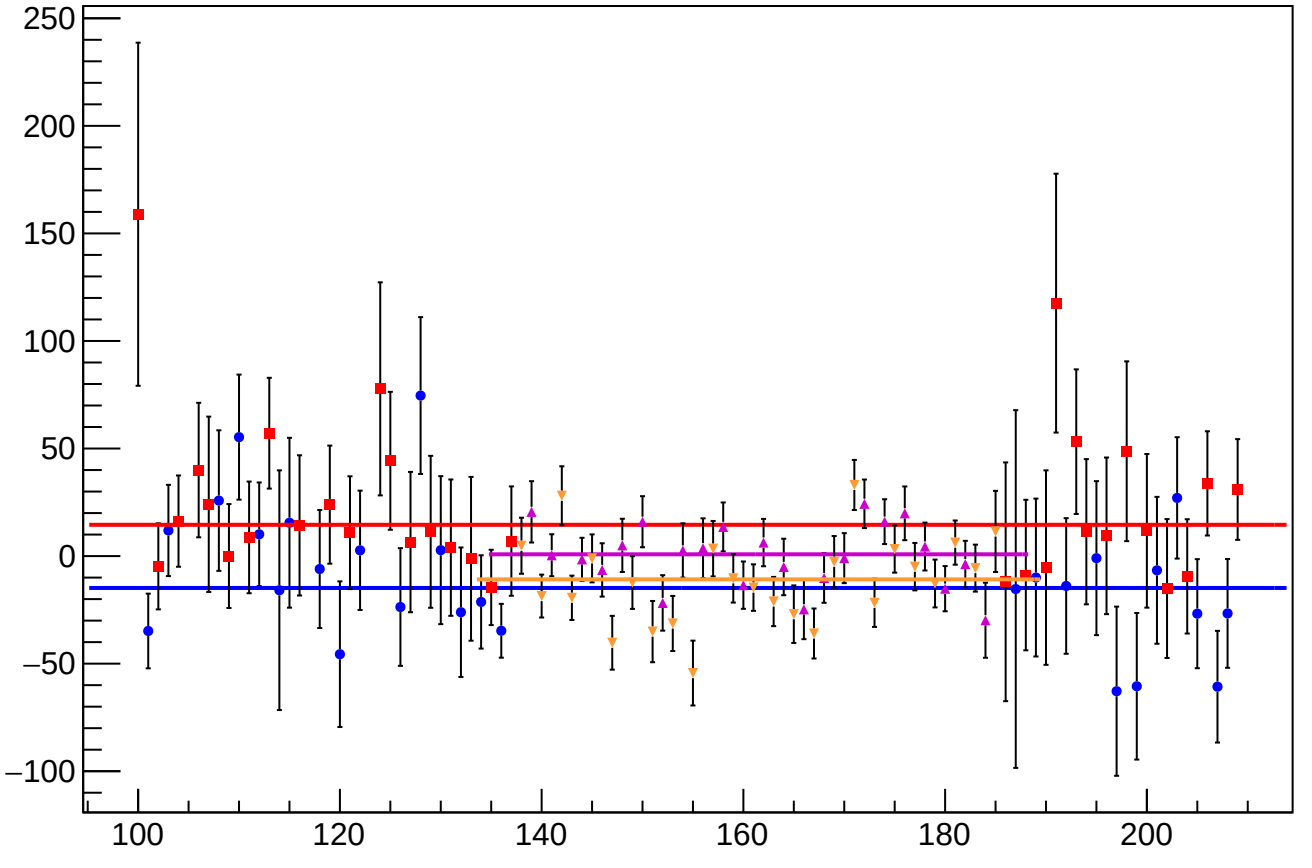
Left: 24840.393+/-2.933 χ^2/NDF: 3028719.5/47

Right: 26876.692+/-3.381 χ^2/NDF: 2676993.3/58

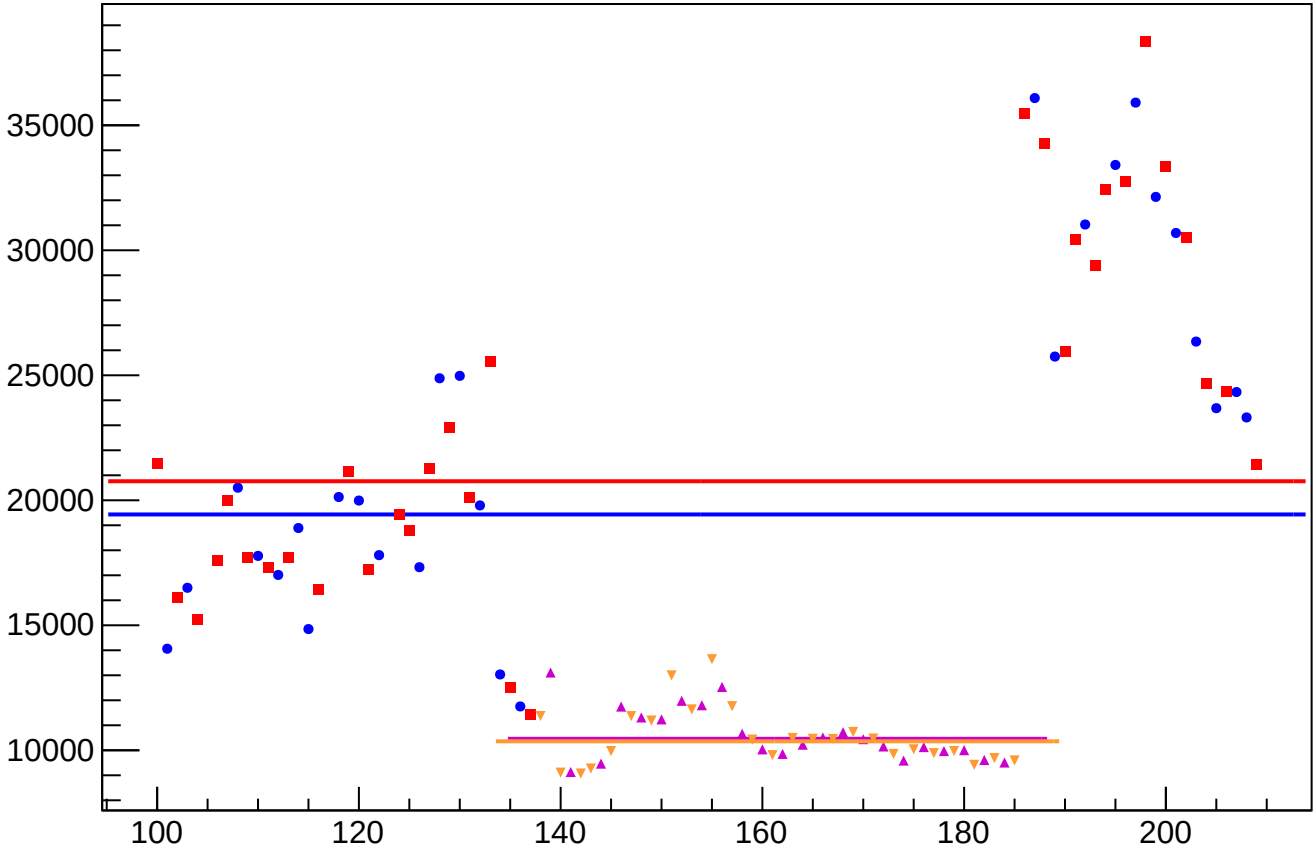
In: 25751.554+/-3.191 χ^2/NDF:2807248.6/49

Out: 25680.493+/-3.079 χ^2/NDF:3105162.1/56

All: 25714.758+/-2.216 χ^2/NDF: 5912667.5/1


diff_bpm4aesumX_mean vs Slug, Sign Corrected
250
200
150
100
50
0
−50
−100
100
120
140
160
180
200
Right In: -14.817+/-5.178 χ²/NDF: 31.7/26
Left Out: -10.822+/-2.370 χ²/NDF:61.3/24
Right Out: 14.547+/-5.253 χ²/NDF: 22.5/31
Left In: 0.826+/-2.457 χ²/NDF:29.4/22
Left: -5.207+/-1.706 χ²/NDF: 102.3/47
Right: -0.346+/-3.688 χ²/NDF: 70.1/58
In: -2.049+/-2.220 χ²/NDF:68.5/49
Out: -6.531+/-2.161 χ²/NDF:103.2/56
All: -4.350+/-1.548 χ²/NDF: 173.8/106

diff_bpm4aesumX_rms vs Slug, Sign Corrected



Right In: 19433.345+/-3.661 χ^2/NDF: 3187033.6/26

Left Out: 10358.363+/-1.676 χ^2/NDF:363077.1/24

Right Out: 20761.666+/-3.714 χ^2/NDF: 3175356.7/31

Left In: 10459.060+/-1.737 χ^2/NDF:314636.9/22

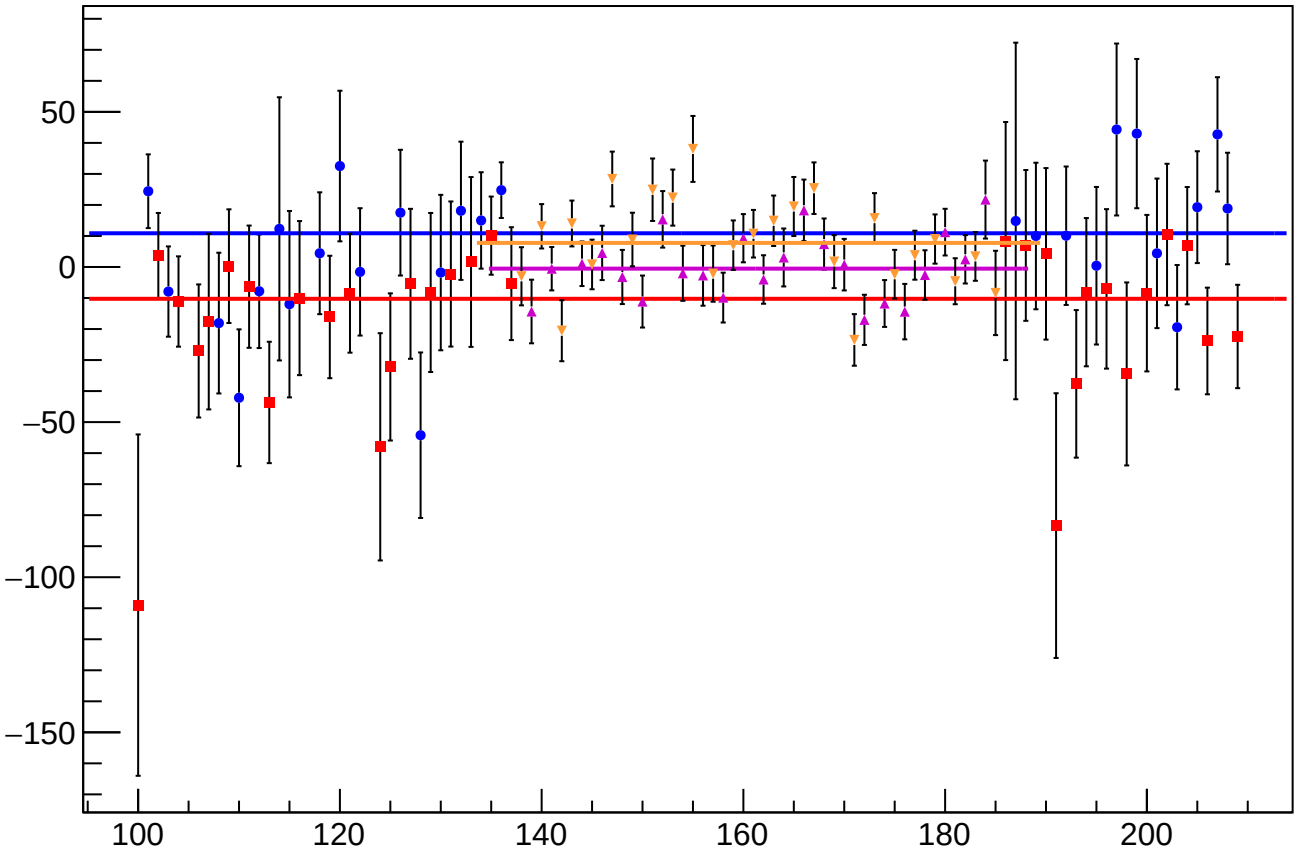
Left: 10406.904+/-1.206 χ^2/NDF: 679454.0/47

Right: 20087.956+/-2.608 χ^2/NDF: 6427252.7/58

In: 12108.374+/-1.570 χ^2/NDF:8405234.1/49

Out: 12118.290+/-1.528 χ^2/NDF:10055795.6/56

All: 12113.466+/-1.095 χ^2/NDF: 18461050.1



Right In: 10.870+/-3.698 χ^2/NDF: 31.3/26

Left Out: 7.763+/-1.691 χ^2/NDF:60.9/24

Right Out: -10.253+/-3.758 χ^2/NDF: 22.7/31

Left In: -0.532+/-1.752 χ^2/NDF:29.4/22

Left: 3.761+/-1.217 χ^2/NDF: 102.0/47

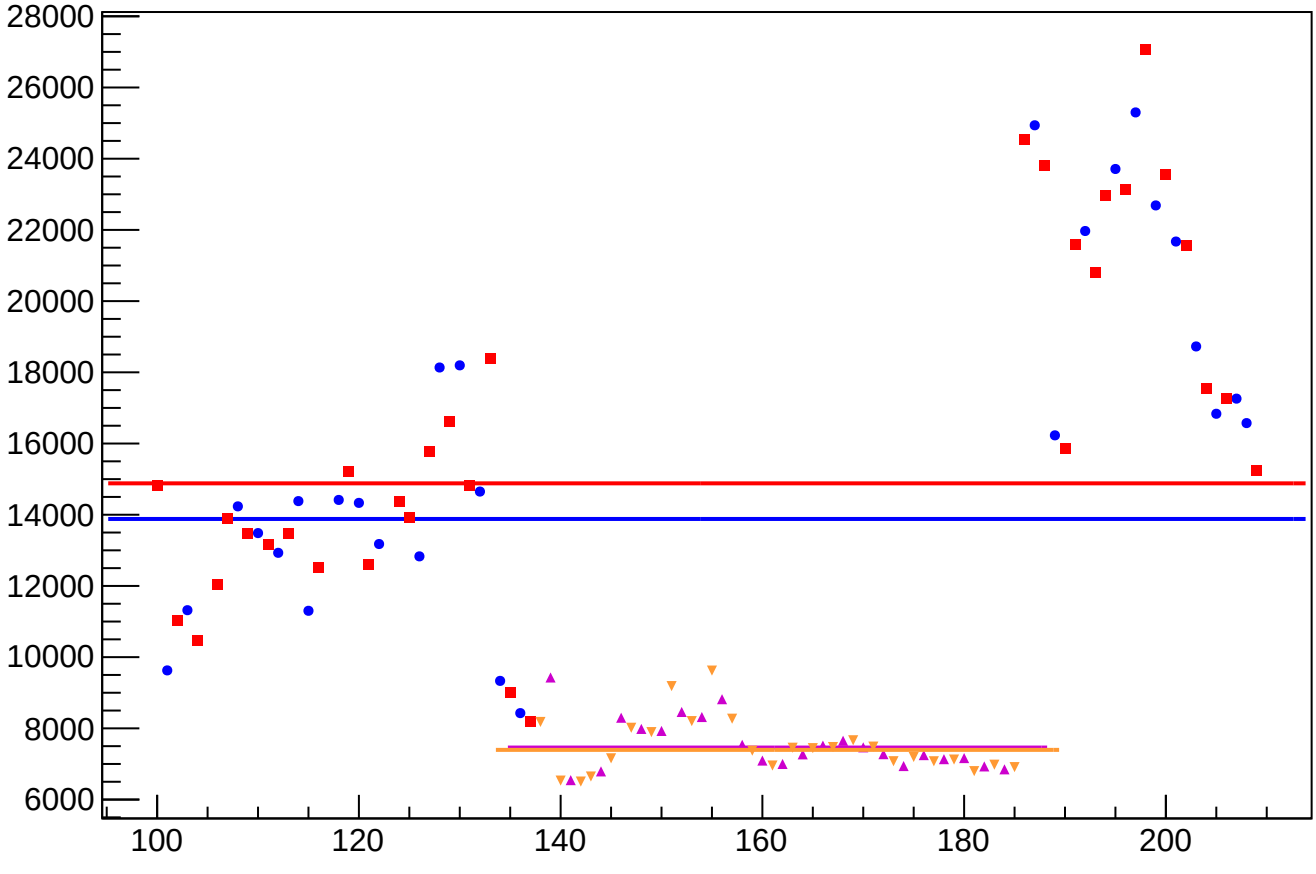
Right: 0.479+/-2.636 χ^2/NDF: 70.1/58

In: 1.558+/-1.583 χ^2/NDF:68.6/49

Out: 4.728+/-1.542 χ^2/NDF:102.8/56

All: 3.185+/-1.105 χ^2/NDF: 173.4/106

diff_bpm4aediffX_rms vs Slug, Sign Corrected



Right In: 13881.192+/-2.615 χ^2/NDF: 3127756.0/26

Left Out: 7395.667+/-1.196 χ^2/NDF:324459.4/24

Right Out: 14881.630+/-2.657 χ^2/NDF: 3056462.9/31

Left In: 7460.824+/-1.239 χ^2/NDF:284034.9/22

Left: 7427.101+/-0.860 χ^2/NDF: 609926.1/47

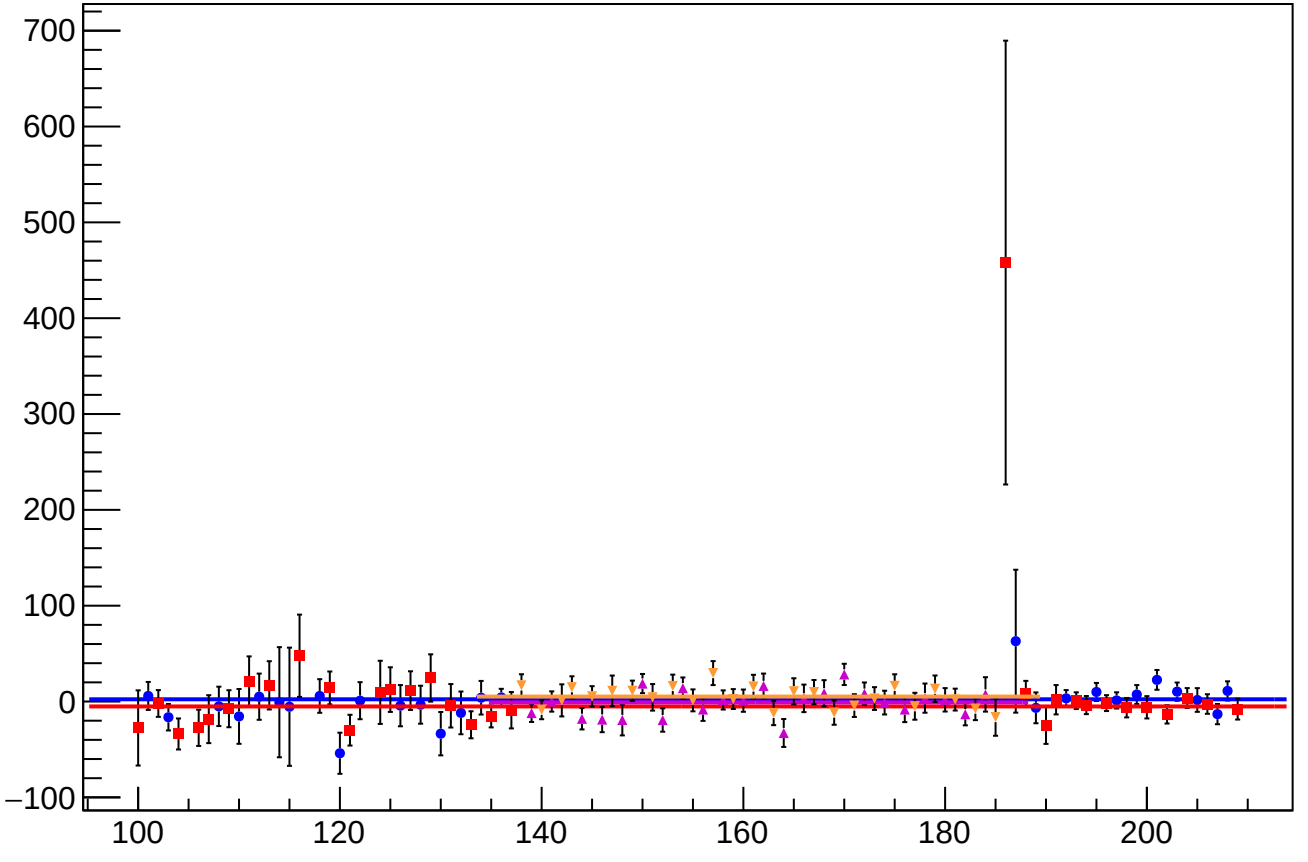
Right: 14373.325+/-1.864 χ^2/NDF: 6256235.1/58

In: 8637.843+/-1.120 χ^2/NDF:8335876.9/49

Out: 8656.748+/-1.091 χ^2/NDF:9980167.1/56

All: 8647.543+/-0.781 χ^2/NDF: 18316190.3/1

diff_bpm4aesumY_mean vs Slug, Sign Corrected



Right In: 2.331+/-2.607 χ^2/NDF: 21.9/26

Left Out: 5.178+/-2.459 χ^2/NDF:18.4/24

Right Out: -5.121+/-2.512 χ^2/NDF: 26.2/31

Left In: -0.891+/-2.519 χ^2/NDF:31.8/22

Left: 2.216+/-1.759 χ^2/NDF: 53.2/47

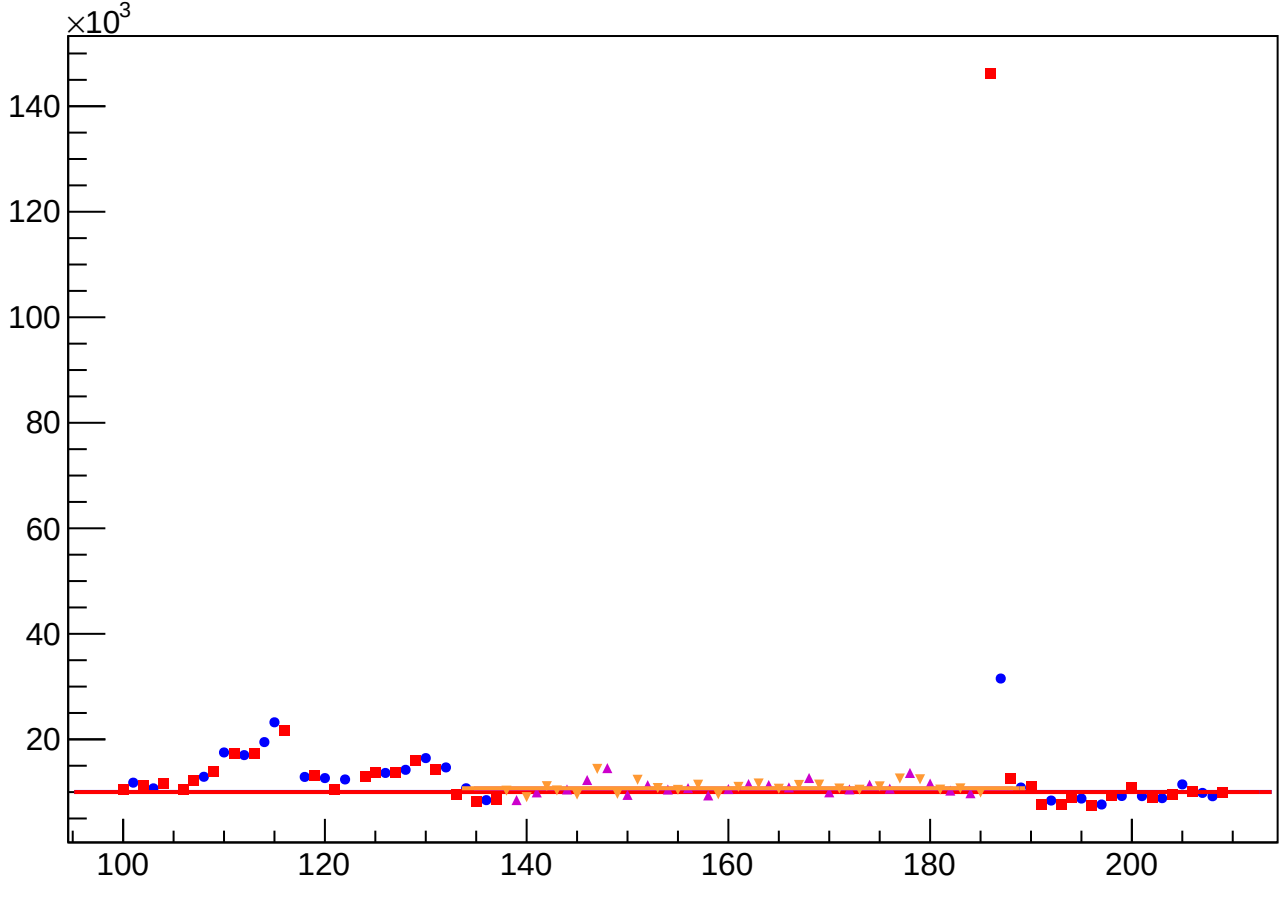
Right: -1.533+/-1.809 χ^2/NDF: 52.4/58

In: 0.664+/-1.811 χ^2/NDF:54.5/49

Out: 0.138+/-1.757 χ^2/NDF:53.2/56

All: 0.393+/-1.261 χ^2/NDF: 107.7/106

diff_bpm4aesumY_rms vs Slug, Sign Corrected



Right In: 10030.942+/-1.843 χ^2/NDF: 1624627.1/26

Left Out: 10733.733+/-1.739 χ^2/NDF:368279.7/24

Right Out: 10008.834+/-1.776 χ^2/NDF: 2291483.3/31

Left In: 10677.154+/-1.781 χ^2/NDF:500574.4/22

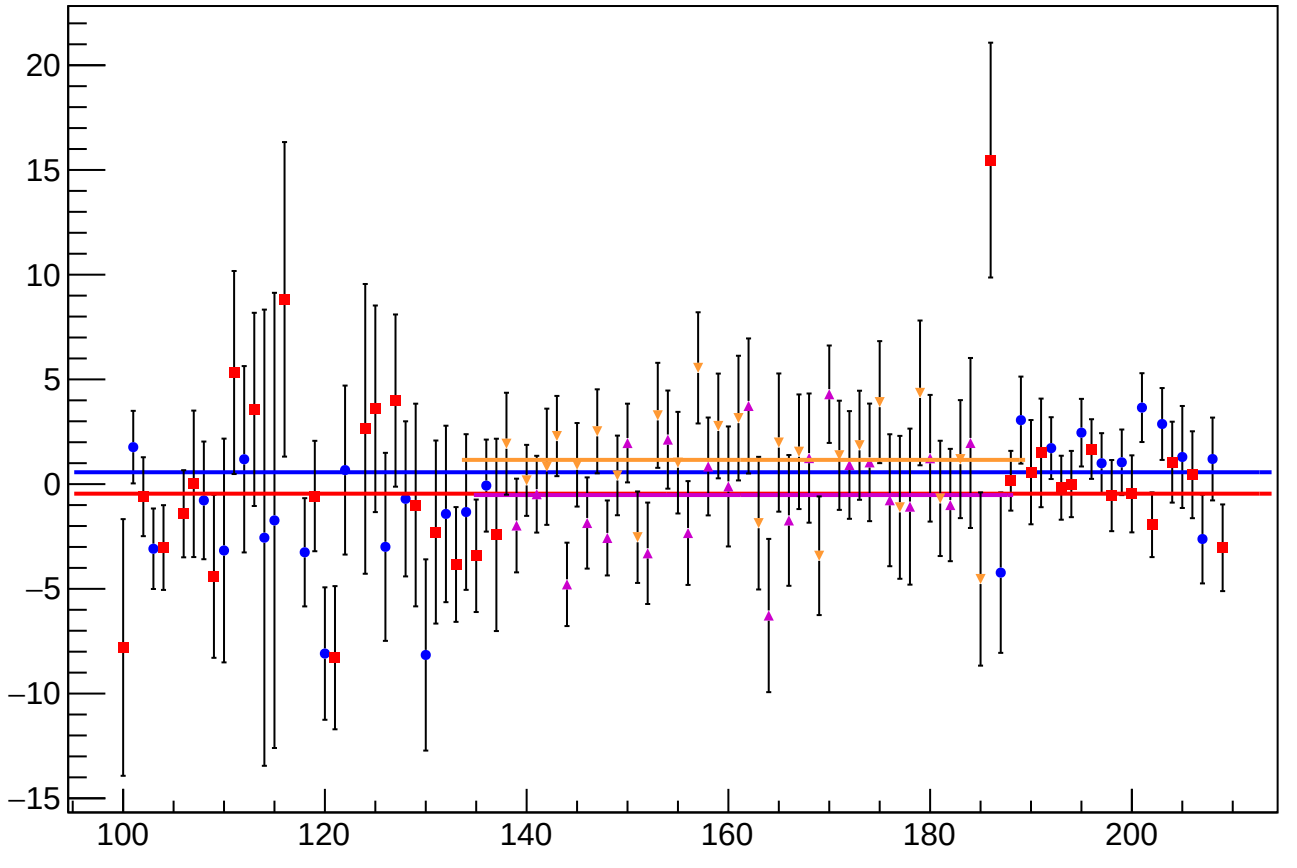
Left: 10706.122+/-1.244 χ^2/NDF: 869370.9/47

Right: 10019.478+/-1.279 χ^2/NDF: 3916185.0/58

In: 10365.184+/-1.281 χ^2/NDF:2188768.2/49

Out: 10379.038+/-1.243 χ^2/NDF:2744818.5/56

All: 10372.321+/-0.892 χ^2/NDF: 4933646.9/1



Right In: 0.567+/-0.445 χ^2/NDF: 32.5/26

Left Out: 1.158+/-0.500 χ^2/NDF:16.8/24

Right Out: -0.456+/-0.417 χ^2/NDF: 33.1/31

Left In: -0.522+/-0.520 χ^2/NDF:22.3/22

Left: 0.350+/-0.360 χ^2/NDF: 44.6/47

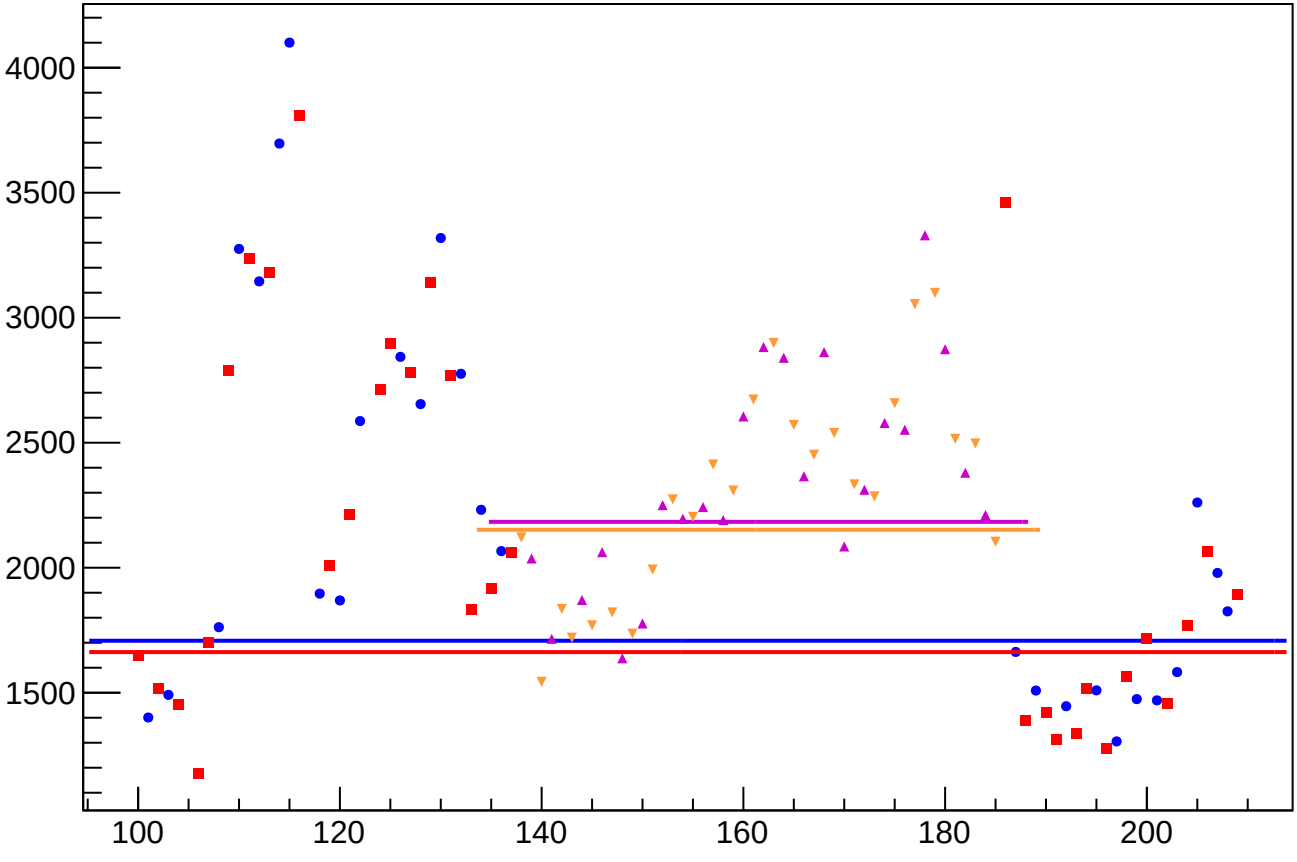
Right: 0.022+/-0.304 χ^2/NDF: 68.4/58

In: 0.106+/-0.338 χ^2/NDF:57.4/49

Out: 0.206+/-0.320 χ^2/NDF:56.0/56

All: 0.159+/-0.233 χ^2/NDF: 113.5/106

diff_bpm4aediffY_rms vs Slug, Sign Corrected



Right In: 1707.972+/-0.315 χ^2/NDF: 1982824.2/26

Left Out: 2151.757+/-0.354 χ^2/NDF:1349537.9/24

Right Out: 1662.563+/-0.295 χ^2/NDF: 2400006.2/31

Left In: 2183.482+/-0.368 χ^2/NDF:1162266.2/22

Left: 2167.006+/-0.255 χ^2/NDF: 2515672.1/47

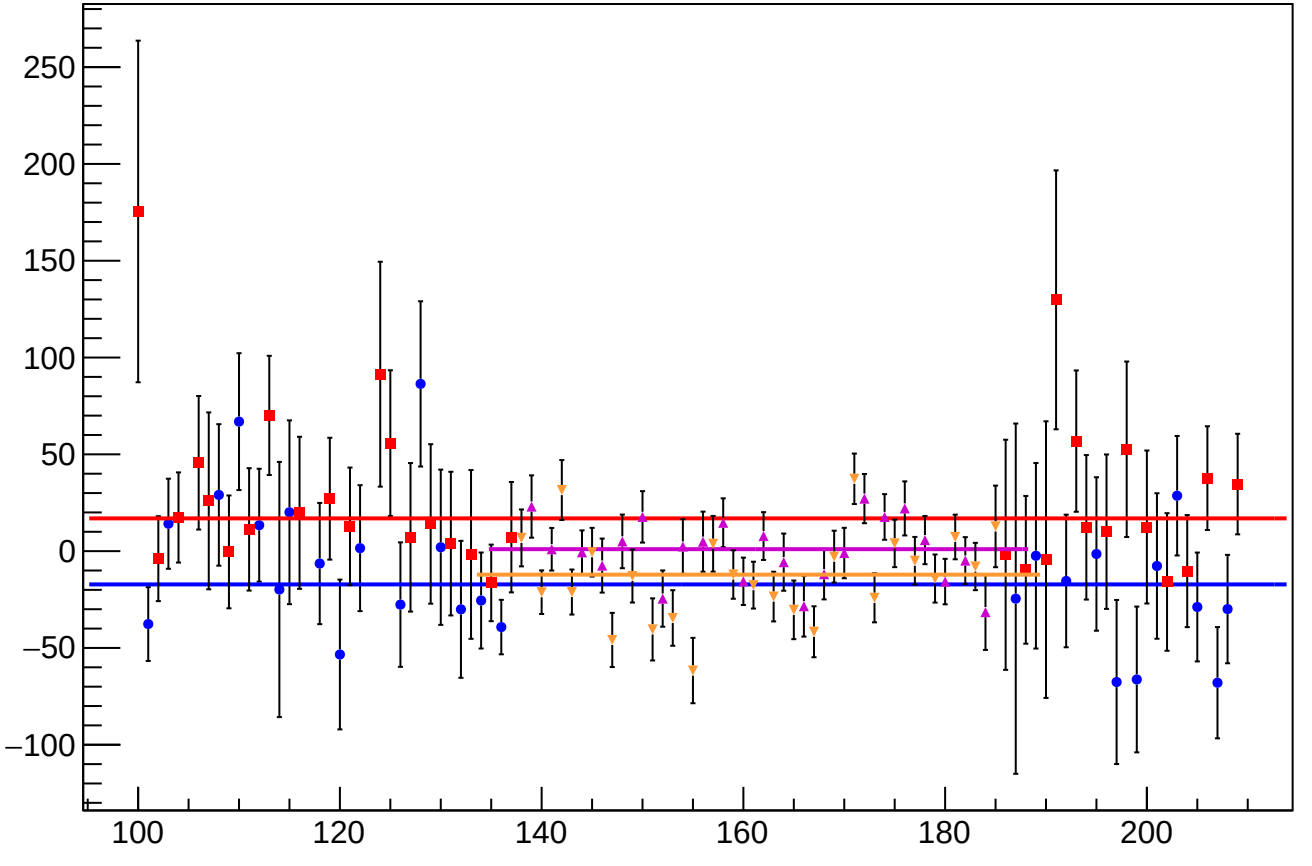
Right: 1683.774+/-0.215 χ^2/NDF: 4393914.7/58

In: 1909.189+/-0.239 χ^2/NDF:4110304.2/49

Out: 1863.105+/-0.226 χ^2/NDF:4878586.4/56

All: 1884.891+/-0.164 χ^2/NDF: 9008472.9/10

diff_bpmtargetsumX_mean vs Slug, Sign Corrected



Right In: -17.180+/-5.865 χ^2/NDF: 31.3/26

Left Out: -12.135+/-2.661 χ^2/NDF:62.6/24

Right Out: 16.919+/-5.962 χ^2/NDF: 22.6/31

Left In: 1.024+/-2.758 χ^2/NDF:28.8/22

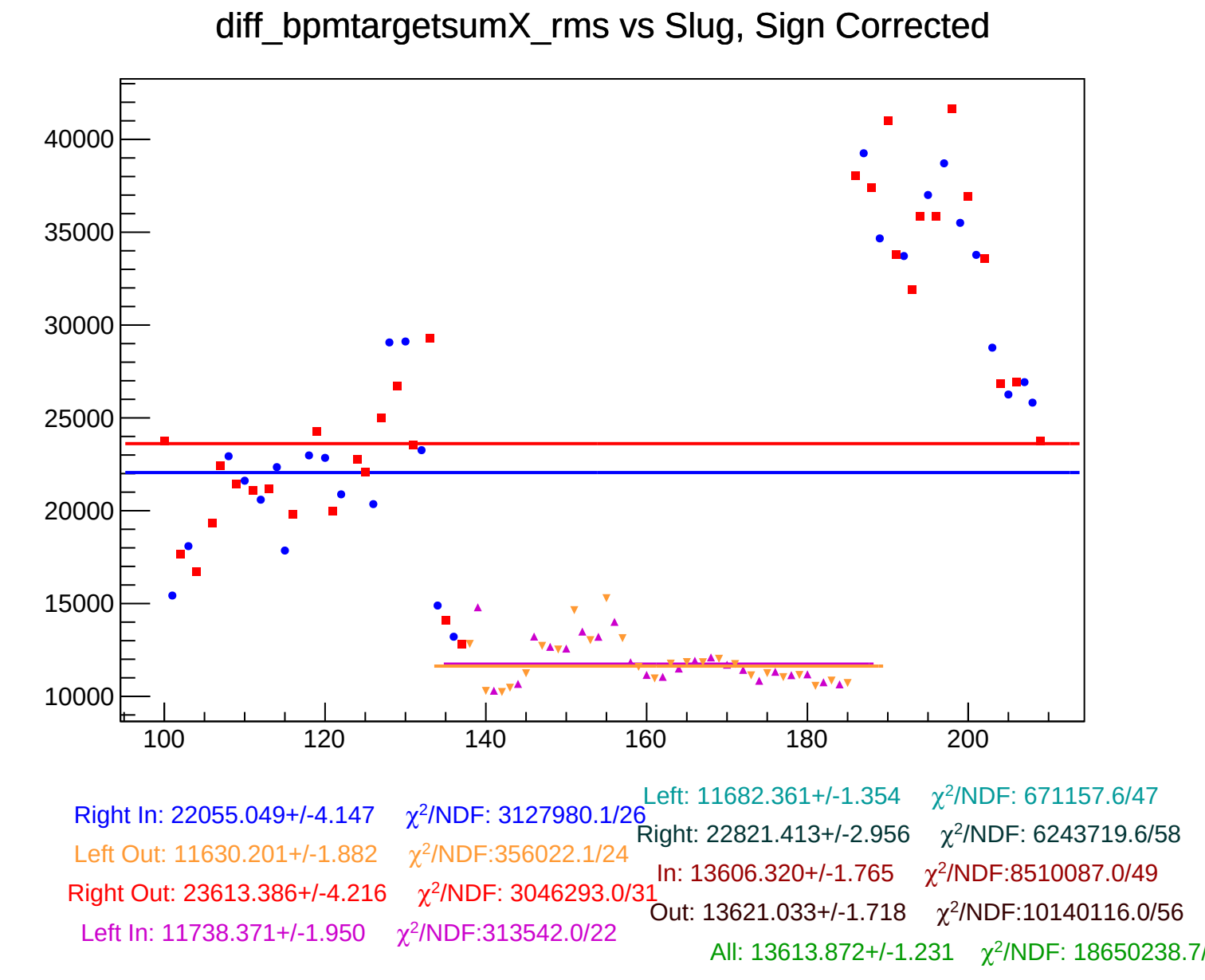
Left: -5.790+/-1.915 χ^2/NDF: 103.2/47

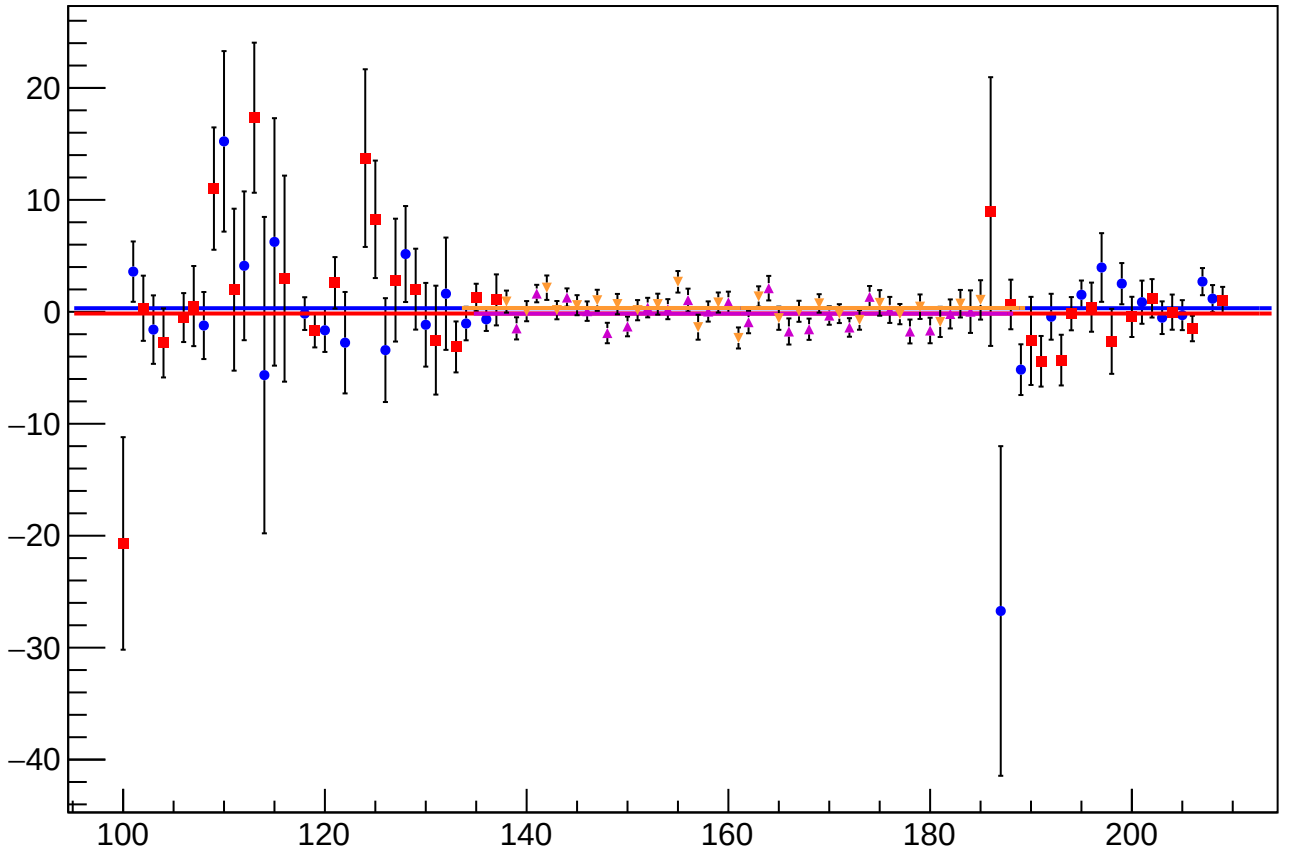
Right: -0.410+/-4.181 χ^2/NDF: 70.6/58

In: -2.272+/-2.495 χ^2/NDF:68.0/49

Out: -7.308+/-2.430 χ^2/NDF:105.0/56

All: -4.857+/-1.741 χ^2/NDF: 175.2/106


diff_bpmtargetsumX_rms vs Slug, Sign Corrected
40000
35000
30000
25000
20000
15000
10000
100
120
140
160
180
200
Right In: 22055.049+/-4.147 χ²/NDF: 3127980.1/26
Left Out: 11630.201+/-1.882 χ²/NDF:356022.1/24
Right Out: 23613.386+/-4.216 χ²/NDF: 3046293.0/31
Left In: 11738.371+/-1.950 χ²/NDF:313542.0/22
Left: 11682.361+/-1.354 χ²/NDF: 671157.6/47
Right: 22821.413+/-2.956 χ²/NDF: 6243719.6/58
In: 13606.320+/-1.765 χ²/NDF:8510087.0/49
Out: 13621.033+/-1.718 χ²/NDF:10140116.0/56
All: 13613.872+/-1.231 χ²/NDF: 18650238.7



Right In: 0.323+/-0.381 χ^2/NDF: 29.9/26

Left Out: 0.343+/-0.194 χ^2/NDF:26.8/24

Right Out: -0.152+/-0.393 χ^2/NDF: 40.9/31

Left In: -0.165+/-0.201 χ^2/NDF:36.3/22

Left: 0.098+/-0.139 χ^2/NDF: 66.4/47

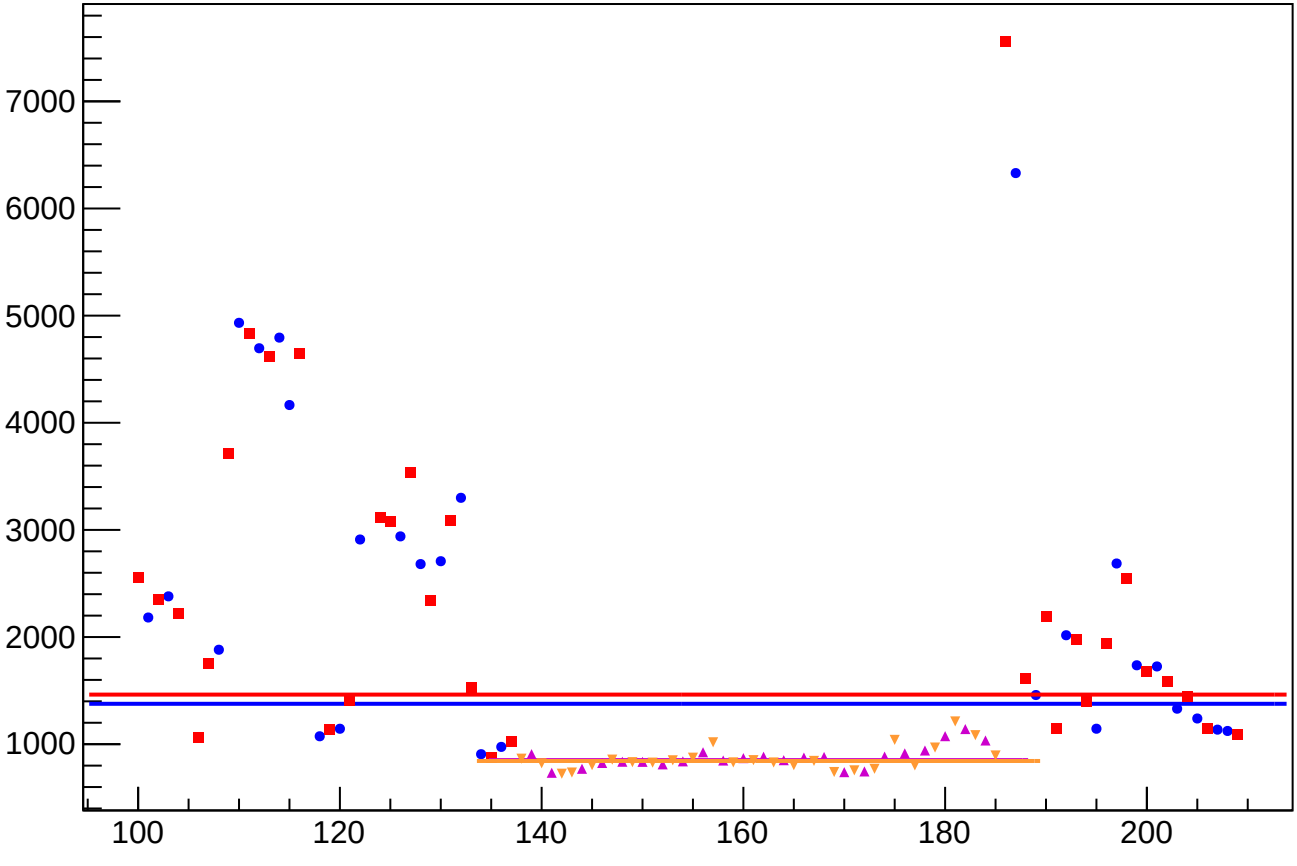
Right: 0.093+/-0.274 χ^2/NDF: 71.5/58

In: -0.059+/-0.178 χ^2/NDF:67.5/49

Out: 0.246+/-0.174 χ^2/NDF:68.9/56

All: 0.097+/-0.124 χ^2/NDF: 137.9/106

diff_bpmtargetdiffX_rms vs Slug, Sign Corrected



Right In: 1376.975+/-0.269 χ^2/NDF: 4568499.0/26

Left Out: 843.266+/-0.137 χ^2/NDF:505106.4/24

Right Out: 1462.848+/-0.278 χ^2/NDF: 4911740.1/31

Left In: 851.618+/-0.142 χ^2/NDF:382555.6/22

Left: 847.291+/-0.099 χ^2/NDF: 889453.1/47

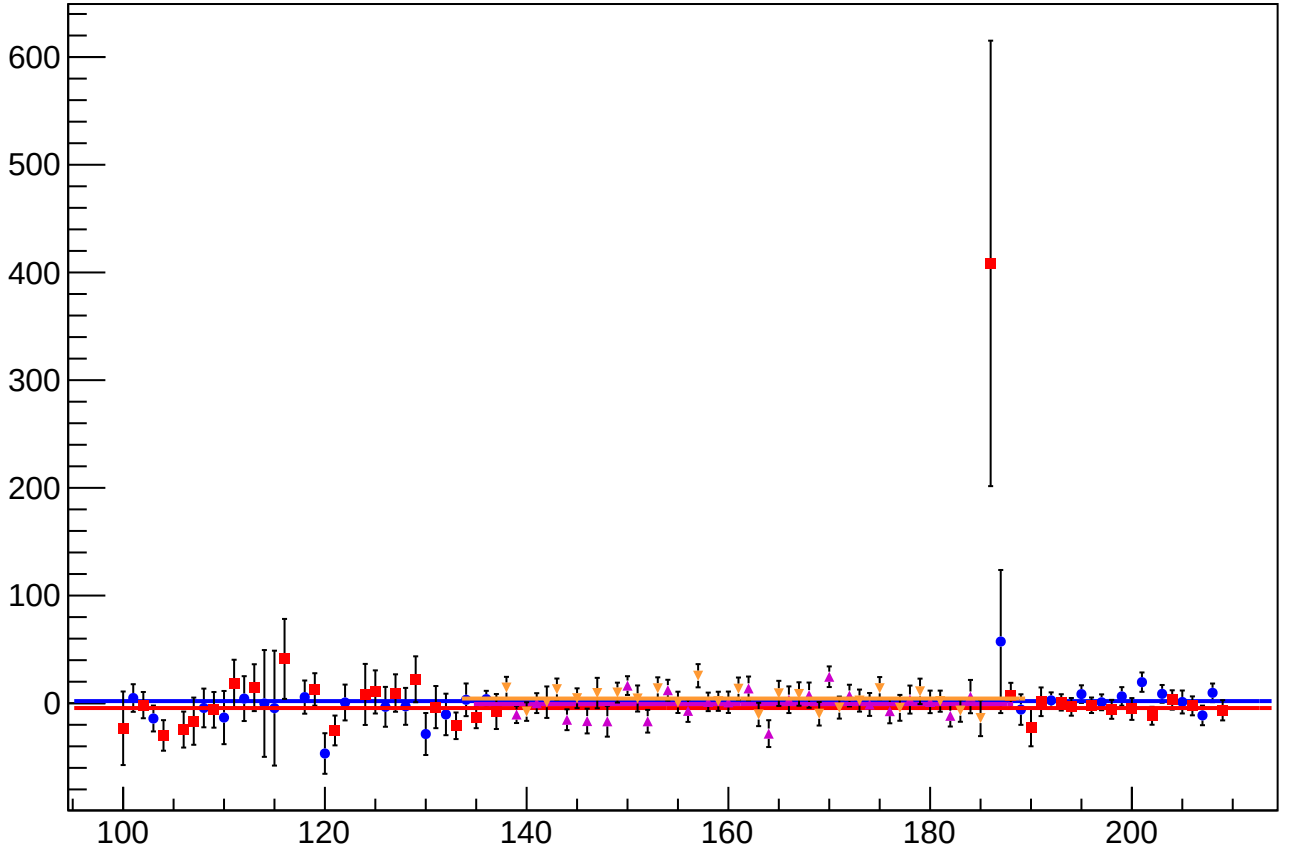
Right: 1418.572+/-0.193 χ^2/NDF: 9529432.6/58

In: 965.845+/-0.126 χ^2/NDF:7925651.7/49

Out: 964.340+/-0.123 χ^2/NDF:9413155.9/56

All: 965.076+/-0.088 χ^2/NDF: 17338880.9/10

diff_bpmtargetsumY_mean vs Slug, Sign Corrected



Right In: 2.004+/-2.260 χ^2/NDF: 21.6/26

Left Out: 4.383+/-2.122 χ^2/NDF:18.6/24

Right Out: -4.447+/-2.181 χ^2/NDF: 26.1/31

Left In: -0.734+/-2.171 χ^2/NDF:32.0/22

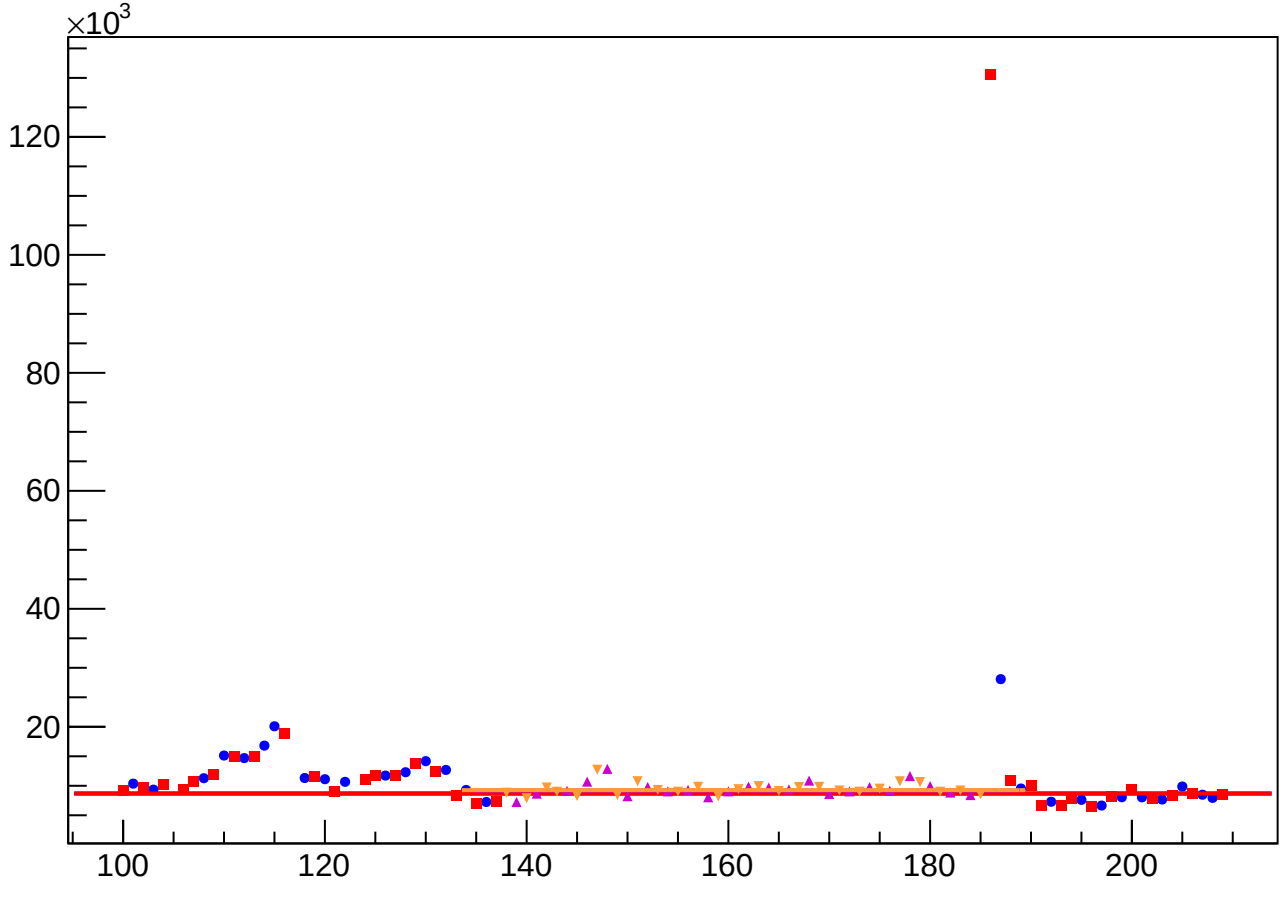
Left: 1.883+/-1.517 χ^2/NDF: 53.4/47

Right: -1.336+/-1.569 χ^2/NDF: 51.9/58

In: 0.580+/-1.565 χ^2/NDF:54.4/49

Out: 0.089+/-1.521 χ^2/NDF:53.1/56

All: 0.328+/-1.091 χ^2/NDF: 107.5/106



Right In: 8692.983+/-1.598 χ^2/NDF: 1635364.5/26

Left Out: 9261.542+/-1.500 χ^2/NDF:366072.4/24

Right Out: 8685.611+/-1.542 χ^2/NDF: 2297455.2/31

Left In: 9199.542+/-1.535 χ^2/NDF:515496.8/22

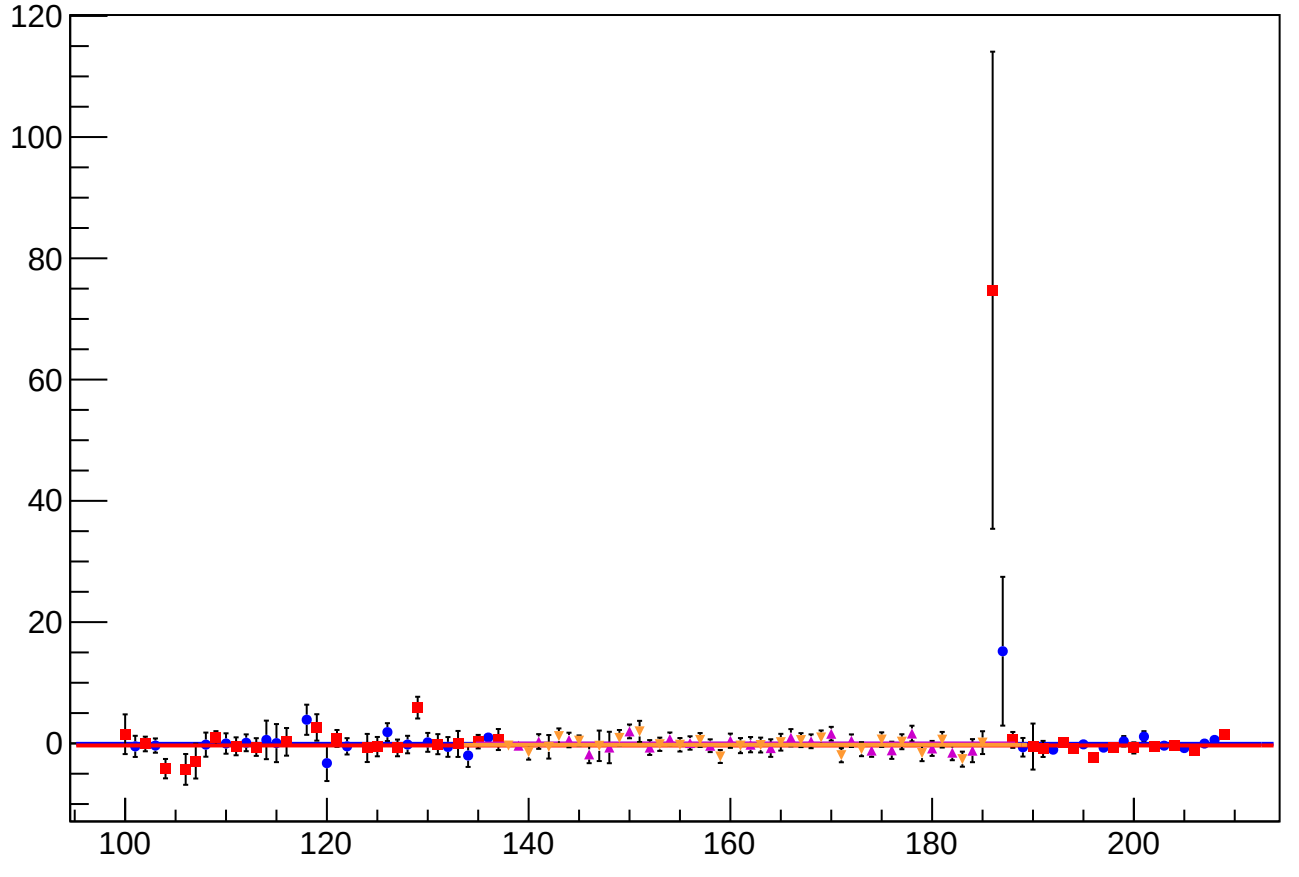
Left: 9231.249+/-1.073 χ^2/NDF: 882403.7/47

Right: 8689.166+/-1.110 χ^2/NDF: 3932830.8/58

In: 8956.470+/-1.107 χ^2/NDF:2203129.2/49

Out: 8981.500+/-1.075 χ^2/NDF:2735188.2/56

All: 8969.348+/-0.771 χ^2/NDF: 4938580.5/10



Right In: -0.075+/-0.202 χ^2/NDF: 16.9/26

Left Out: -0.229+/-0.243 χ^2/NDF:19.0/24

Right Out: -0.341+/-0.201 χ^2/NDF: 46.3/31

Left In: -0.025+/-0.239 χ^2/NDF:15.2/22

Left: -0.125+/-0.171 χ^2/NDF: 34.6/47

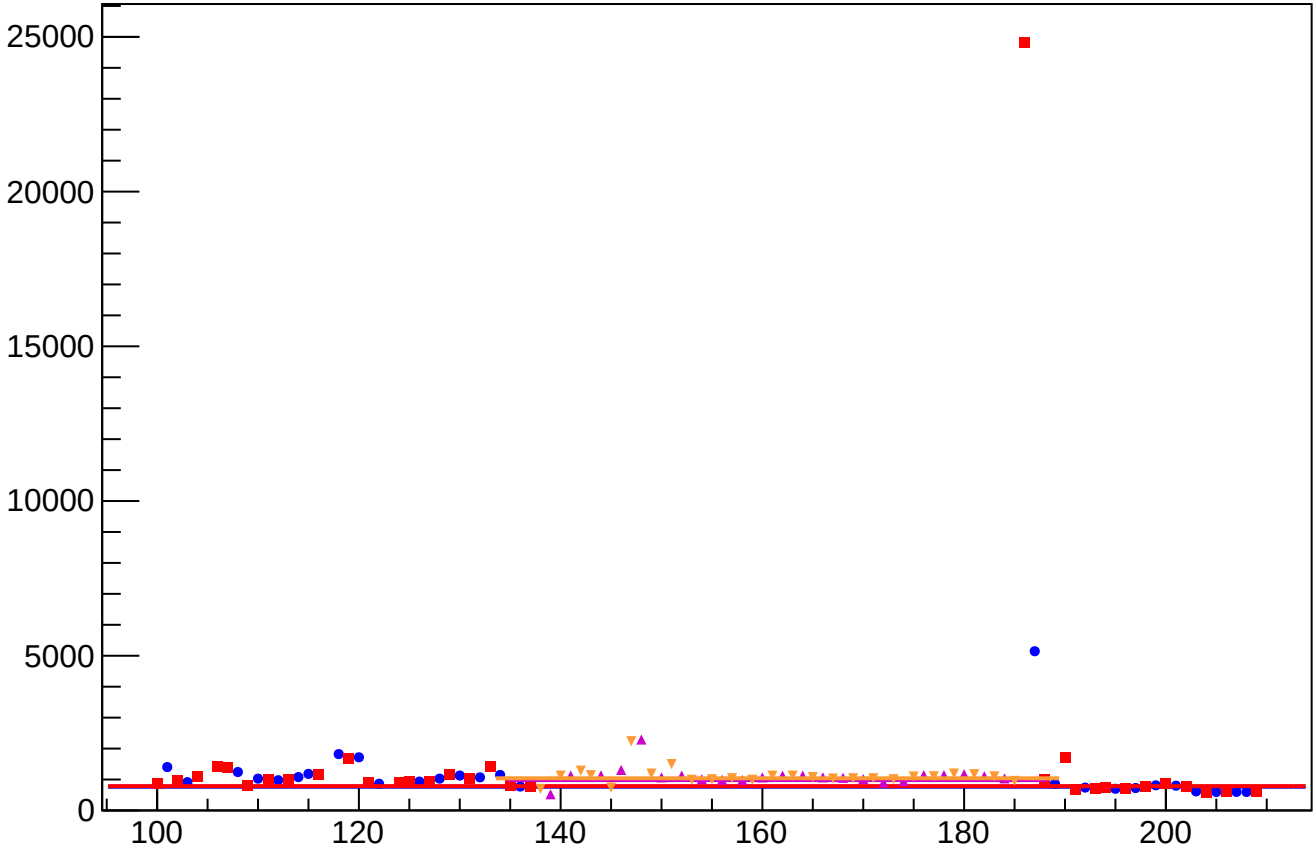
Right: -0.209+/-0.143 χ^2/NDF: 64.0/58

In: -0.054+/-0.154 χ^2/NDF:32.1/49

Out: -0.296+/-0.155 χ^2/NDF:65.3/56

All: -0.174+/-0.109 χ^2/NDF: 98.7/106

diff_bpmtargetdiffY_rms vs Slug, Sign Corrected



Right In: 766.579+/-0.143 χ^2/NDF: 2299368.5/26

Left Out: 1039.424+/-0.172 χ^2/NDF:1339748.9/24

Right Out: 785.518+/-0.142 χ^2/NDF: 2654403.5/31

Left In: 981.677+/-0.169 χ^2/NDF:2225094.5/22

Left: 1010.035+/-0.121 χ^2/NDF: 3622132.3/47

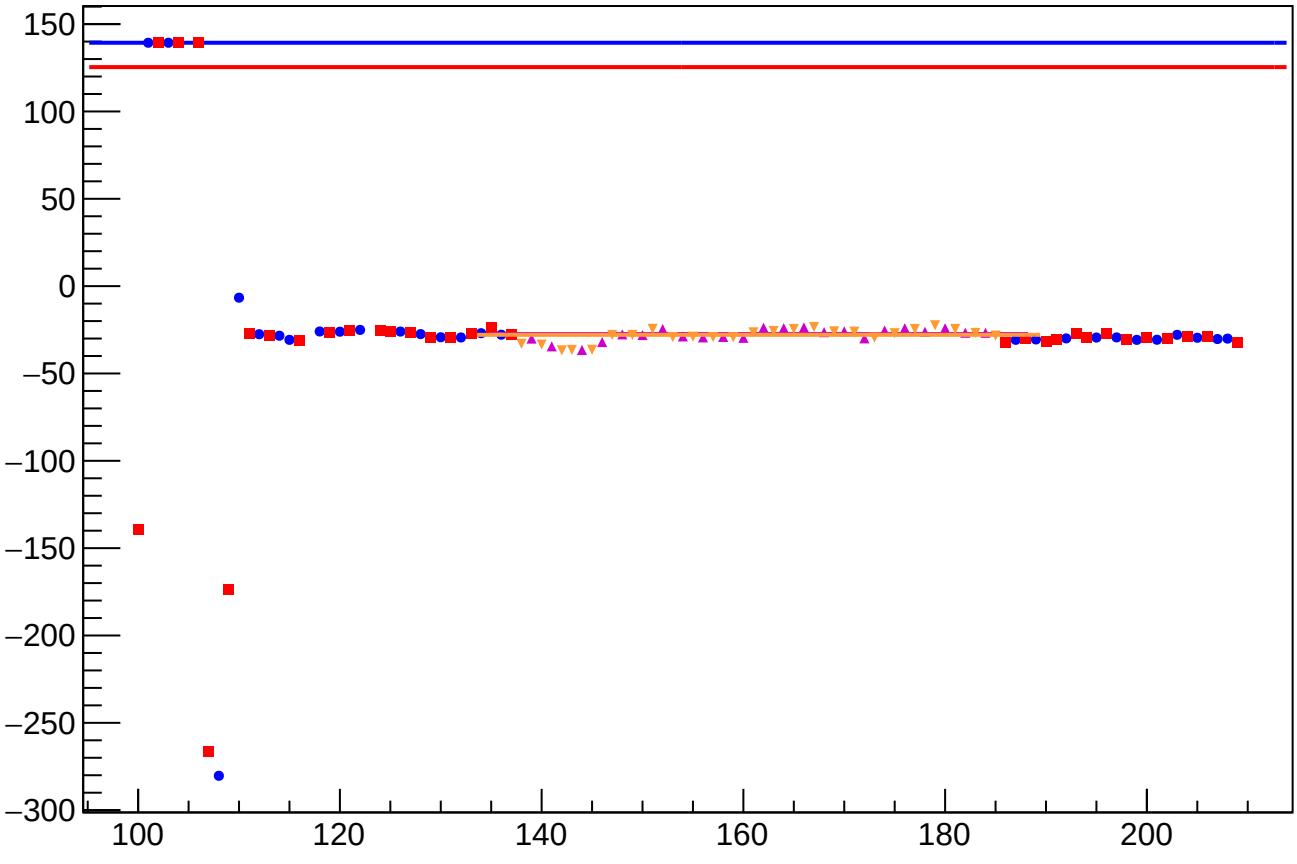
Right: 776.124+/-0.101 χ^2/NDF: 4962594.1/58

In: 856.388+/-0.109 χ^2/NDF:5467258.3/49

Out: 888.358+/-0.110 χ^2/NDF:5288910.8/56

All: 872.330+/-0.077 χ^2/NDF: 10798875.8/10

yield_cav4bX_mean vs Slug, Sign Corrected



Right In: 139.336+/-0.000 χ^2/NDF: 60587153716.0/26

Left Out: -27.865+/-0.000 χ^2/NDF:181586557.6/24

Right Out: 125.391+/-0.000 χ^2/NDF: 7741863571604 20.1/31

Left In: -27.427+/-0.000 χ^2/NDF:123181562.3/22

Left: -27.654+/-0.000 χ^2/NDF: 305673778.0/47

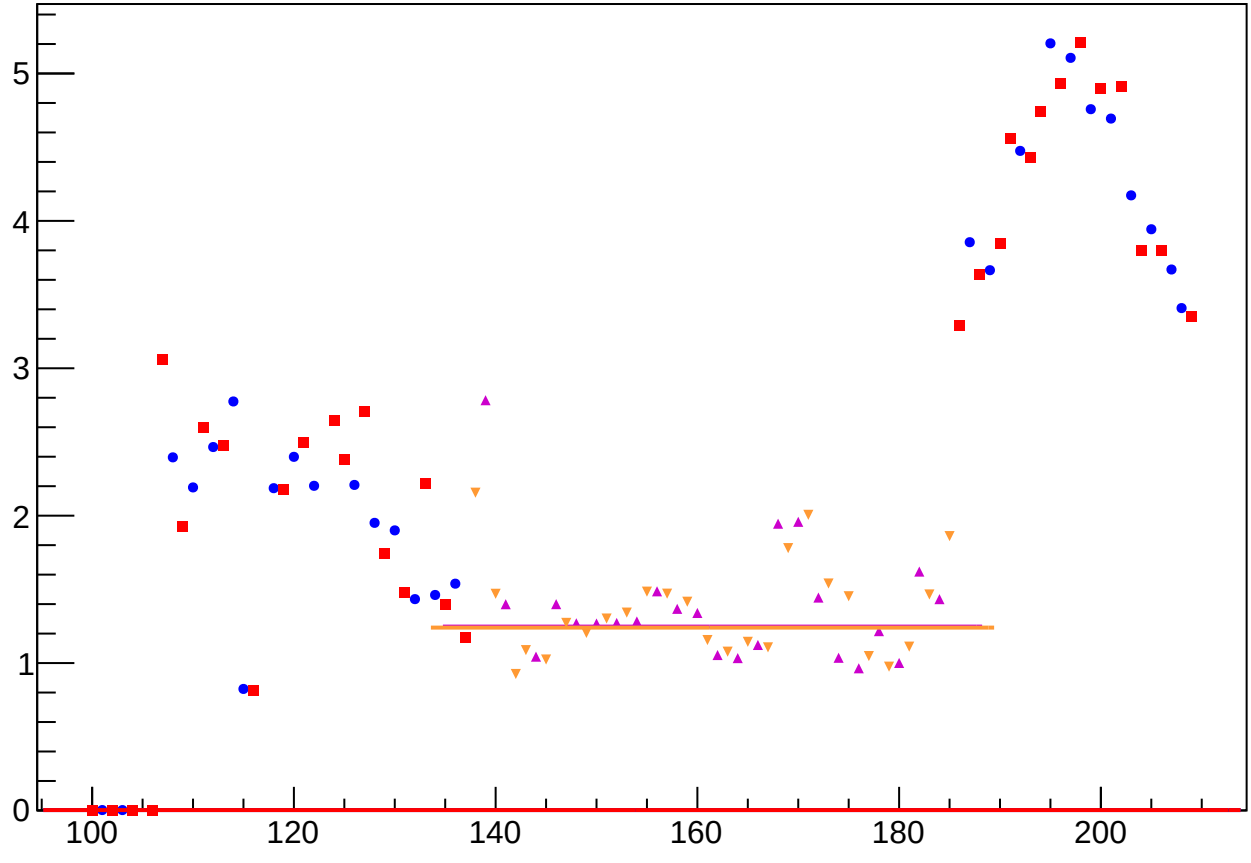
Right: 131.818+/-0.000 χ^2/NDF: 793031680967933

In: 139.328+/-0.000 χ^2/NDF:314985675265.4/49

Out: 125.384+/-0.000 χ^2/NDF:774417045116497.

All: 131.810+/-0.000 χ^2/NDF: 79351409305

yield_cav4bX_rms vs Slug, Sign Corrected



Right In: 0.003+/-0.000 χ^2/NDF: 26219932.6/26

Left Out: 1.241+/-0.000 χ^2/NDF:1221248.2/24

Right Out: 0.003+/-0.000 χ^2/NDF: 28711504.9/31

Left In: 1.247+/-0.000 χ^2/NDF:1436411.6/22

Left: 1.244+/-0.000 χ^2/NDF: 2658093.9/47

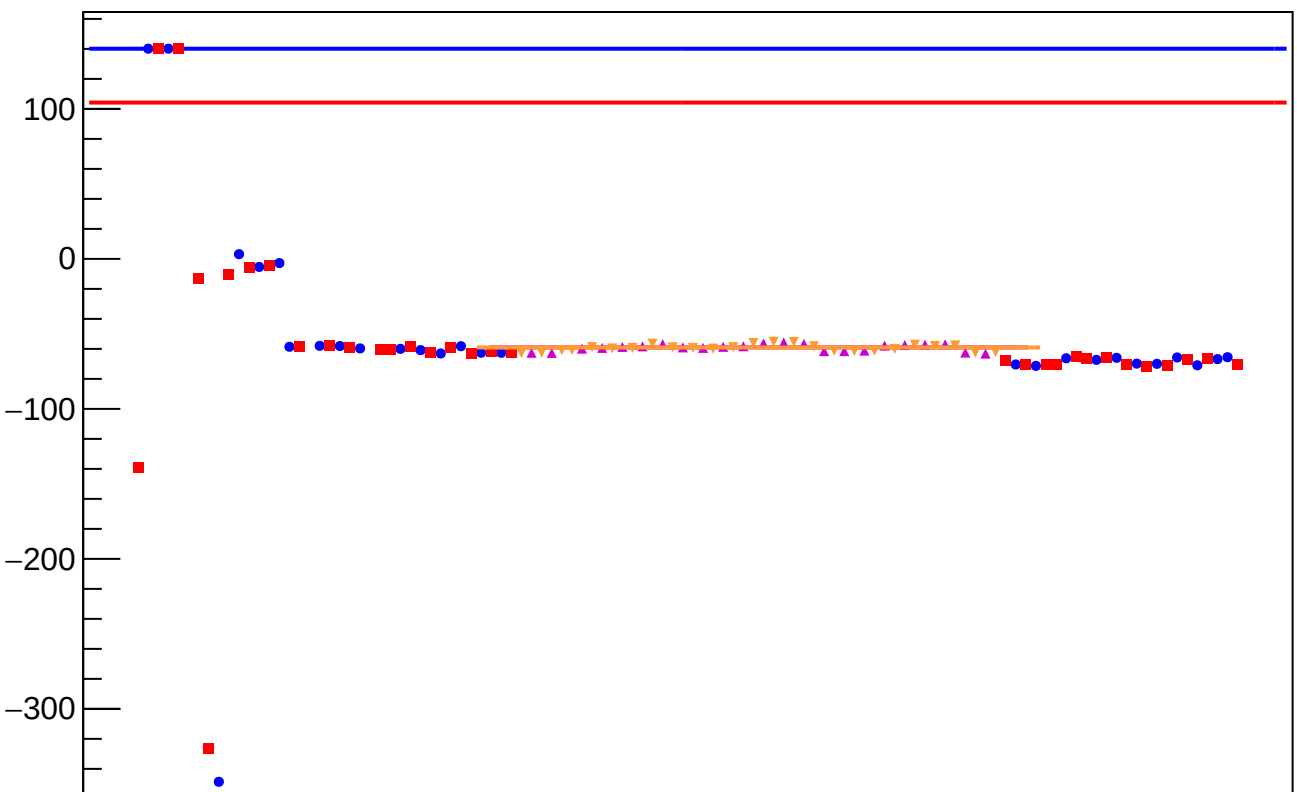
Right: 0.003+/-0.000 χ^2/NDF: 54931623.3/58

In: 0.003+/-0.000 χ^2/NDF:55985198.6/49

Out: 0.003+/-0.000 χ^2/NDF:60011374.5/56

All: 0.003+/-0.000 χ^2/NDF: 115996831.5/106

yield_cav4bY_mean vs Slug, Sign Corrected



Right In: 140.136+/-0.000 χ^2/NDF: 473907303977.8/26

Left Out: -59.066+/-0.000 χ^2/NDF:177511074.0/24

Right Out: 104.218+/-0.000 χ^2/NDF: 1257618818834775.0/31

Left In: -59.020+/-0.000 χ^2/NDF:179236820.4/22

Left: -59.043+/-0.000 χ^2/NDF: 356781901.8/47

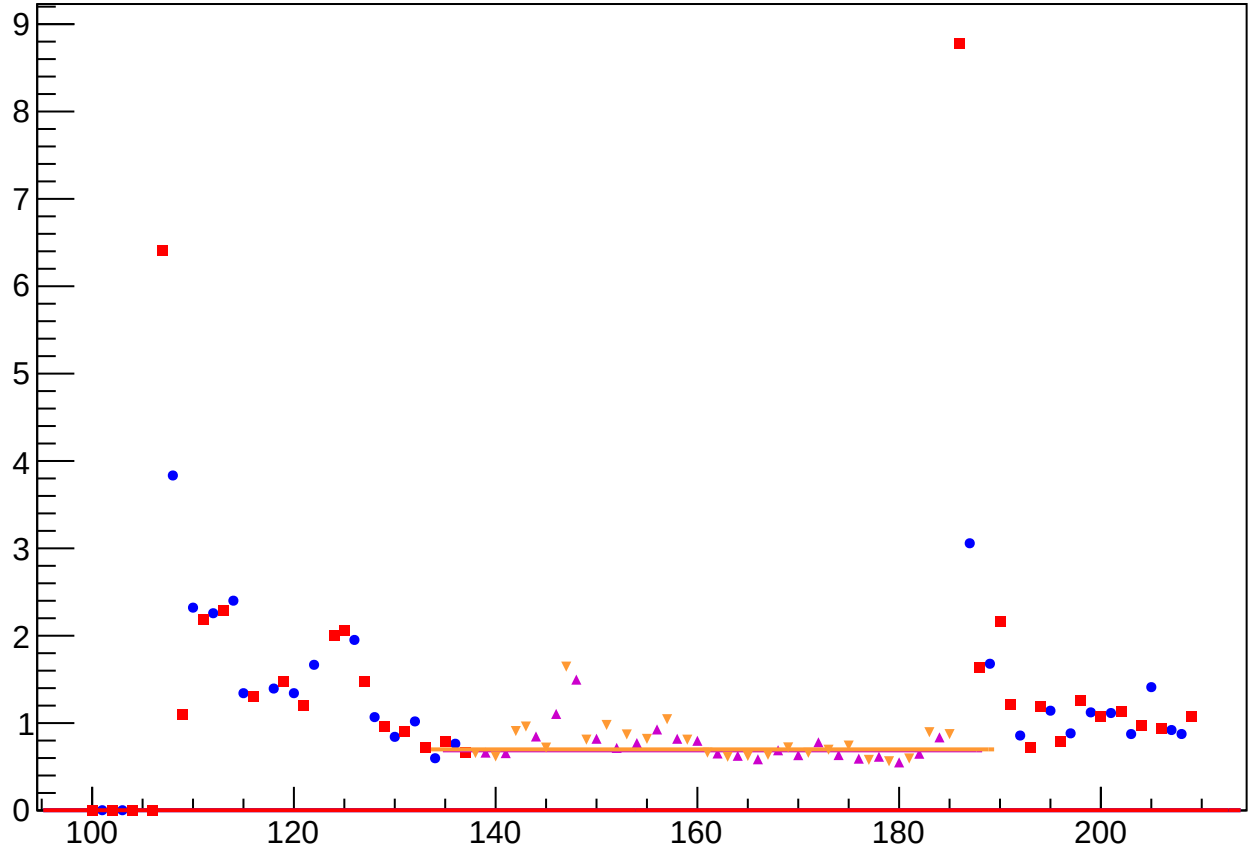
Right: 120.825+/-0.000 χ^2/NDF: 13813921185059

In: 140.100+/-0.000 χ^2/NDF:1749412297271.7/4

Out: 104.192+/-0.000 χ^2/NDF:125849040957833

All: 120.794+/-0.000 χ^2/NDF: 1383490148

yield_cav4bY_rms vs Slug, Sign Corrected



Right In: 0.003+/-0.000 χ^2/NDF: 24335904.2/26

Left Out: 0.699+/-0.000 χ^2/NDF:1357196.3/24

Right Out: 0.003+/-0.000 χ^2/NDF: 26628883.6/31

Left In: 0.688+/-0.000 χ^2/NDF:1107767.8/22

Left: 0.694+/-0.000 χ^2/NDF: 2468947.3/47

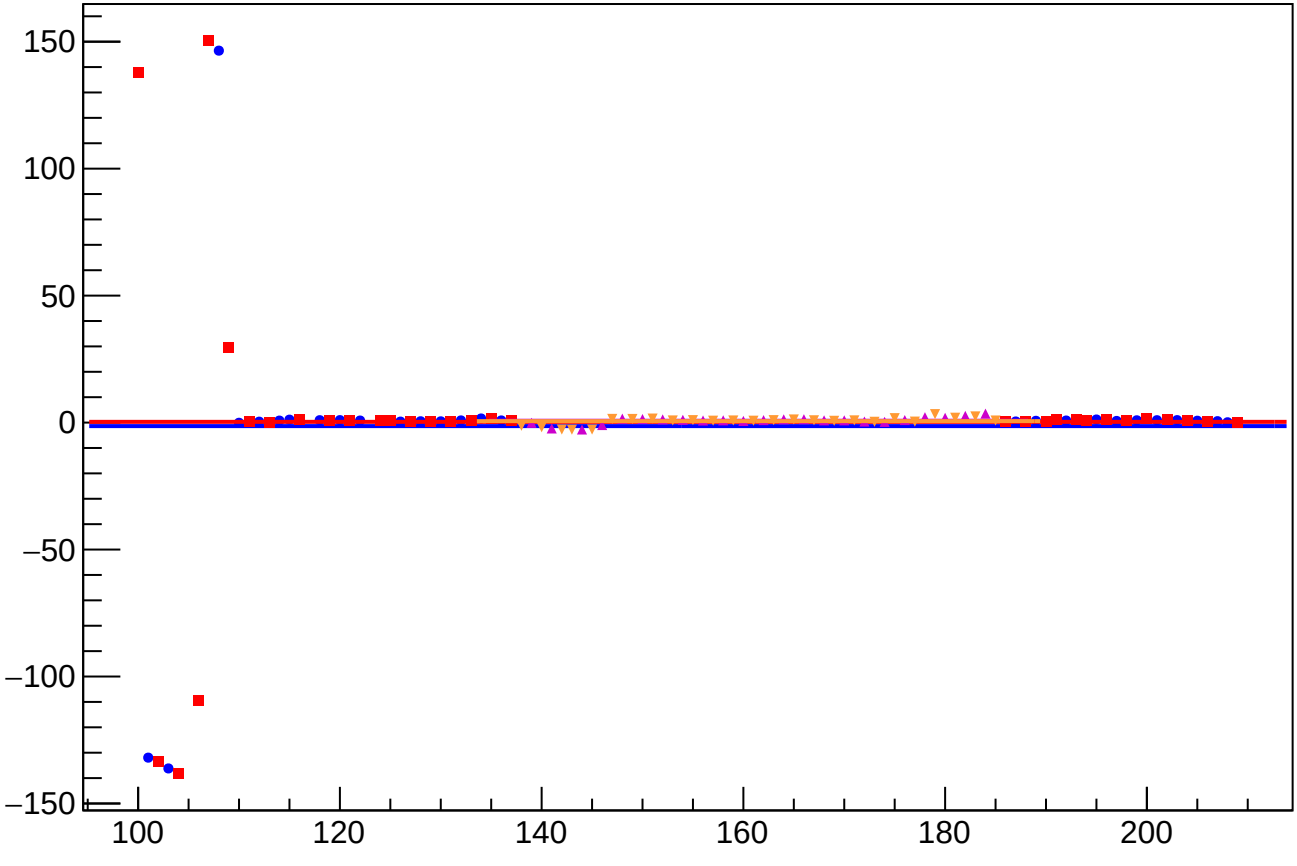
Right: 0.003+/-0.000 χ^2/NDF: 50965013.7/58

In: 0.003+/-0.000 χ^2/NDF:55639525.6/49

Out: 0.003+/-0.000 χ^2/NDF:59683816.6/56

All: 0.003+/-0.000 χ^2/NDF: 115323786.8/106

yield_cav4cX_mean vs Slug, Sign Corrected



Right In: -1.388+/-0.000 χ^2/NDF: 9904852885.0/26

Left Out: 0.575+/-0.000 χ^2/NDF:154364809.1/24

Right Out: 0.292+/-0.000 χ^2/NDF: 3612931219.9/31

Left In: 0.732+/-0.000 χ^2/NDF:105135095.8/22

Left: 0.650+/-0.000 χ^2/NDF: 260223435.2/47

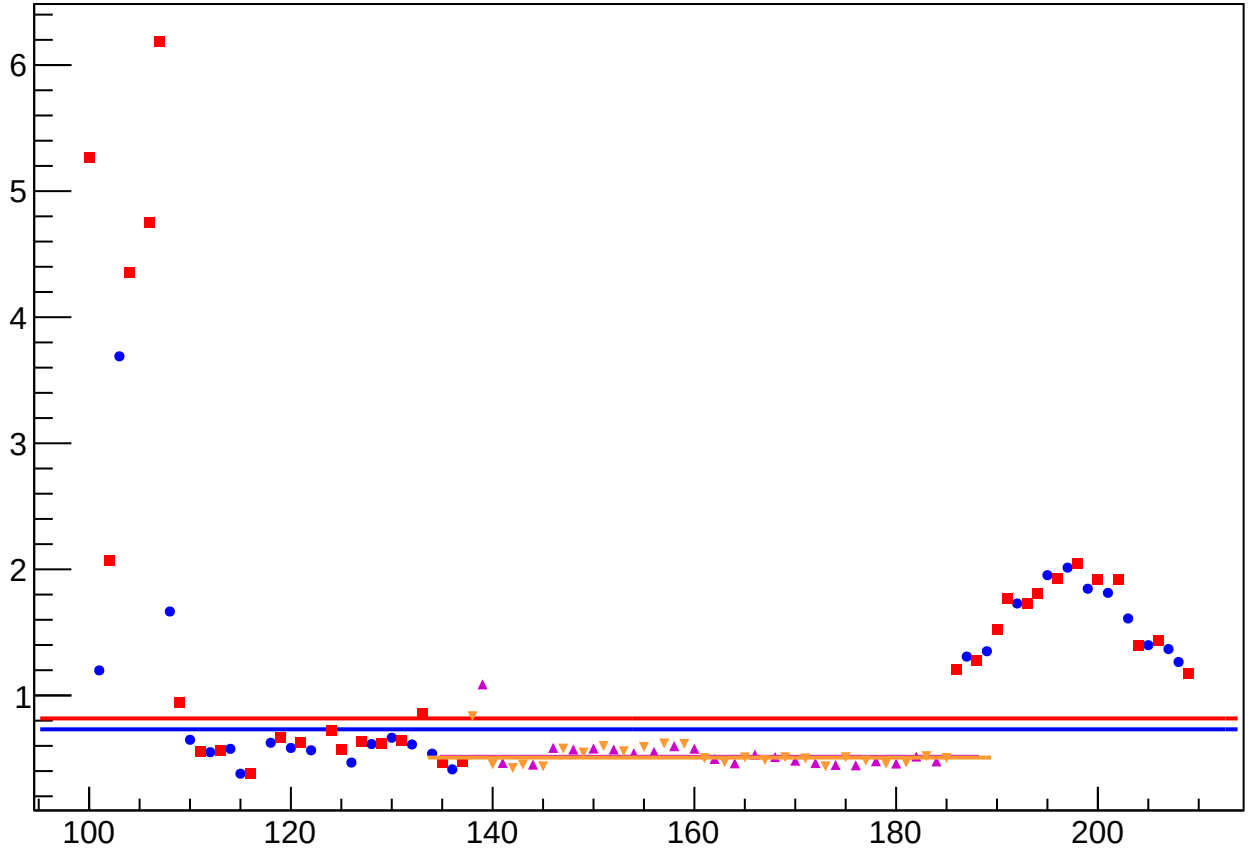
Right: -0.597+/-0.000 χ^2/NDF: 13543652722.7/58

In: 0.185+/-0.000 χ^2/NDF:10074939948.6/49

Out: 0.512+/-0.000 χ^2/NDF:3768374251.1/56

All: 0.352+/-0.000 χ^2/NDF: 13847414019.7/1

yield_cav4cX_rms vs Slug, Sign Corrected



Right In: 0.731+/-0.000 χ^2/NDF: 7541260.8/26

Left Out: 0.507+/-0.000 χ^2/NDF:554639.8/24

Right Out: 0.818+/-0.000 χ^2/NDF: 8271852.8/31

Left In: 0.513+/-0.000 χ^2/NDF:753419.6/22

Left: 0.510+/-0.000 χ^2/NDF: 1310004.6/47

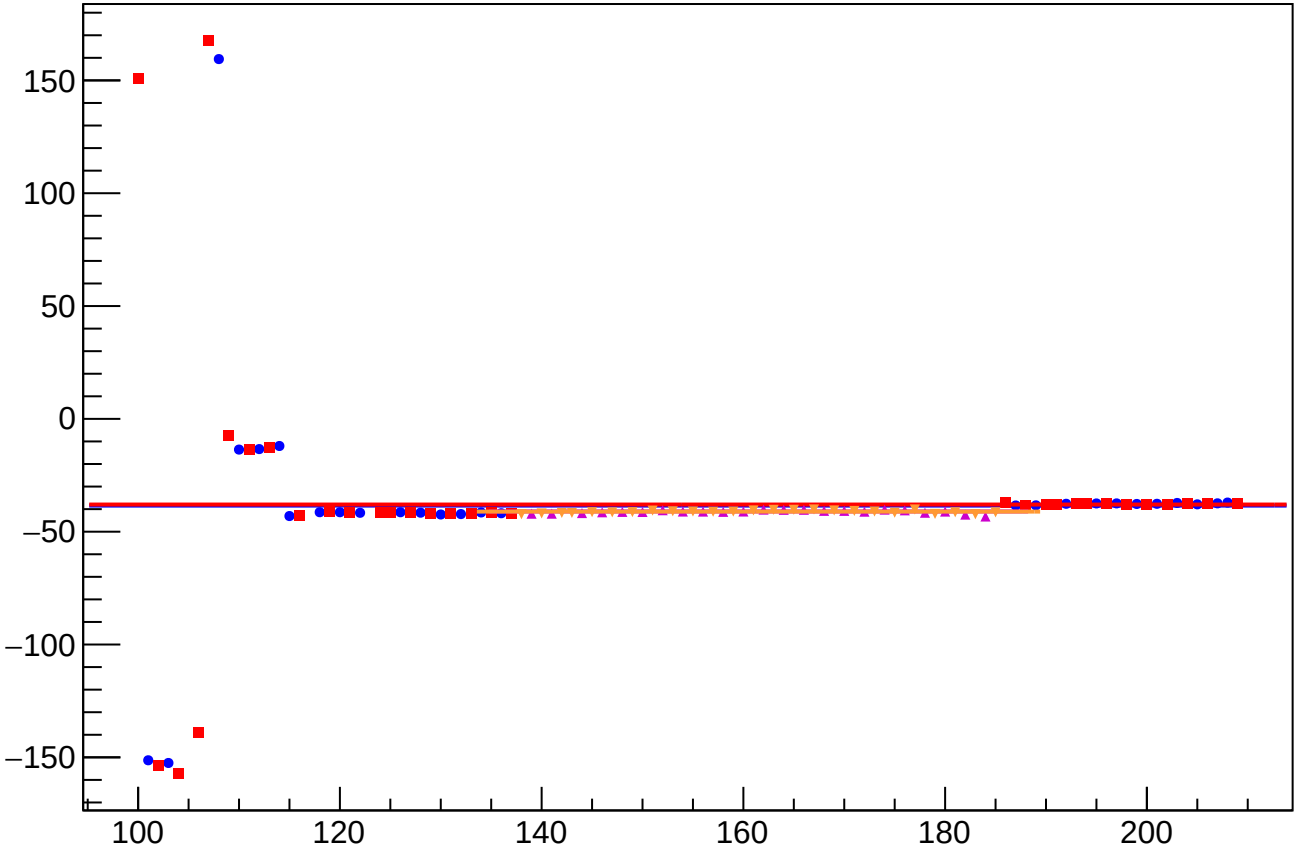
Right: 0.772+/-0.000 χ^2/NDF: 15950204.4/58

In: 0.569+/-0.000 χ^2/NDF:9672810.9/49

Out: 0.576+/-0.000 χ^2/NDF:11428390.6/56

All: 0.573+/-0.000 χ^2/NDF: 21104667.3/106

yield_cav4cY_mean vs Slug, Sign Corrected



Right In: -38.427+/-0.000 χ^2/NDF: 3616913003.7/26

Left Out: -41.092+/-0.000 χ^2/NDF:60251030.2/24

Right Out: -37.967+/-0.000 χ^2/NDF: 2514392731.0/31

Left In: -41.029+/-0.000 χ^2/NDF:51382147.2/22

Left: -41.062+/-0.000 χ^2/NDF: 111932061.5/47

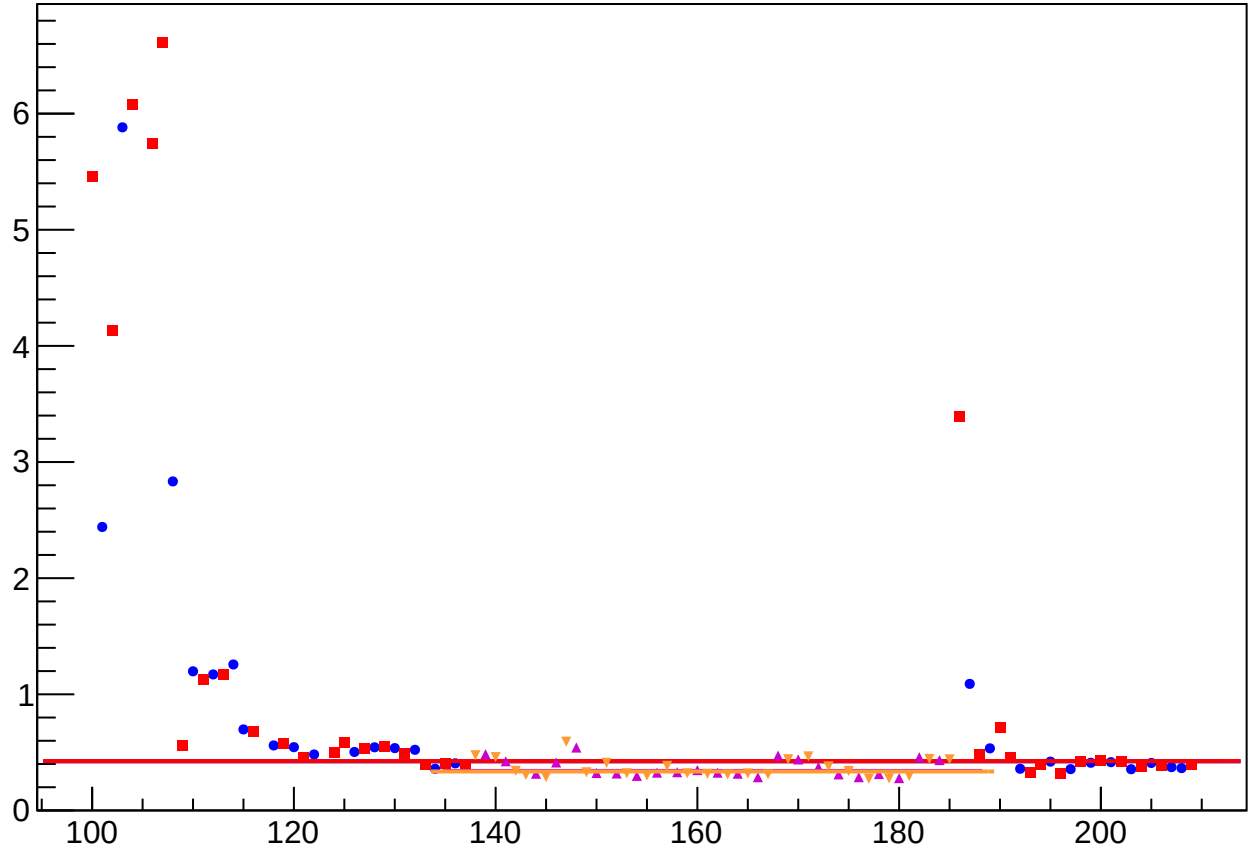
Right: -38.191+/-0.000 χ^2/NDF: 6138991559.0/58

In: -40.177+/-0.000 χ^2/NDF:3990038246.8/49

Out: -40.088+/-0.000 χ^2/NDF:3068765958.6/56

All: -40.131+/-0.000 χ^2/NDF: 7059690536.7/

yield_cav4cY_rms vs Slug, Sign Corrected



Right In: 0.423+/-0.000 χ^2/NDF: 3733231.8/26

Left Out: 0.336+/-0.000 χ^2/NDF:1238006.0/24

Right Out: 0.425+/-0.000 χ^2/NDF: 4688672.9/31

Left In: 0.340+/-0.000 χ^2/NDF:1065343.8/22

Left: 0.338+/-0.000 χ^2/NDF: 2306534.0/47

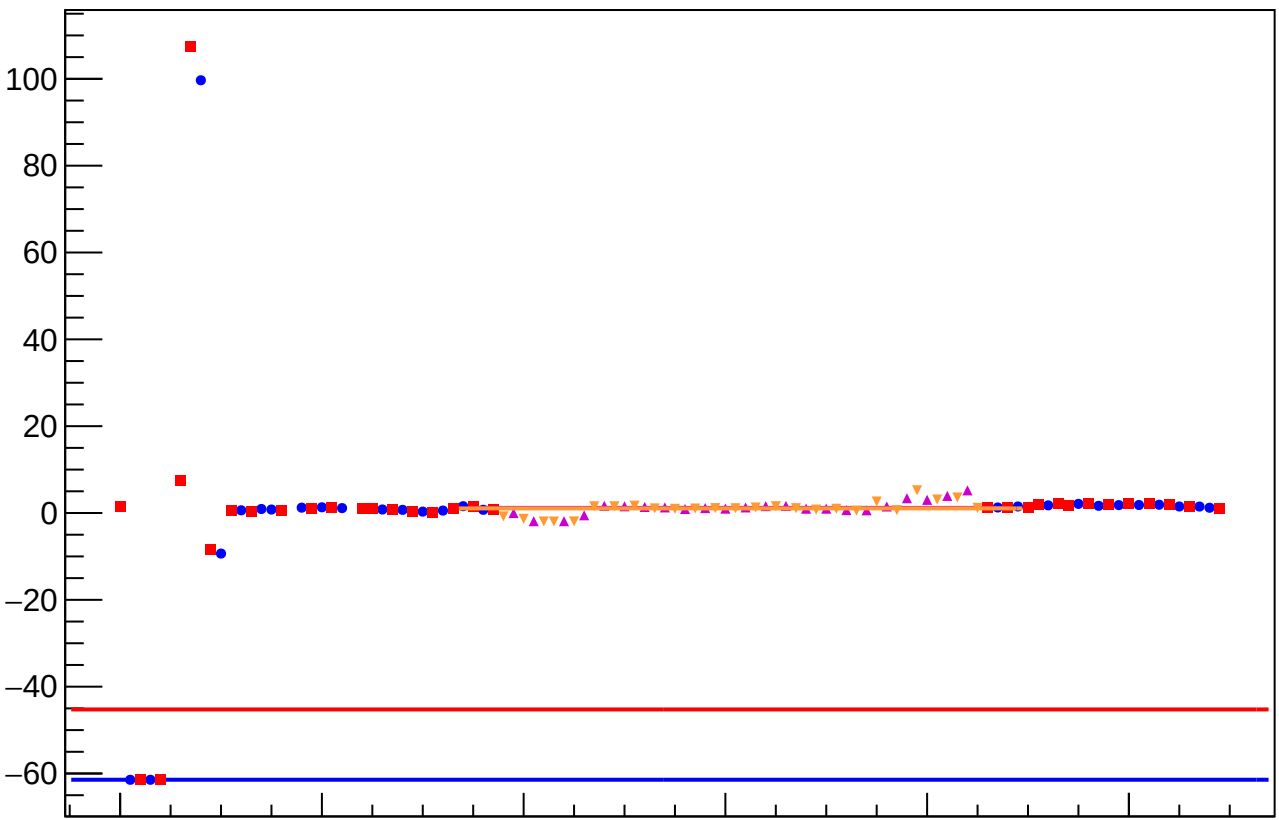
Right: 0.424+/-0.000 χ^2/NDF: 8422159.1/58

In: 0.367+/-0.000 χ^2/NDF:5448833.2/49

Out: 0.364+/-0.000 χ^2/NDF:6731364.6/56

All: 0.366+/-0.000 χ^2/NDF: 12182248.2/106

yield_cav4dX_mean vs Slug, Sign Corrected



Right In: -61.435+/-0.000 χ^2/NDF: 291260092227.0/26

Left Out: 1.059+/-0.000 χ^2/NDF:253133917.4/24

Right Out: -45.244+/-0.000 χ^2/NDF: 357881878132877.3/31

Left In: 1.175+/-0.000 χ^2/NDF:182397676.2/22

Left: 1.114+/-0.000 χ^2/NDF: 436074136.1/47

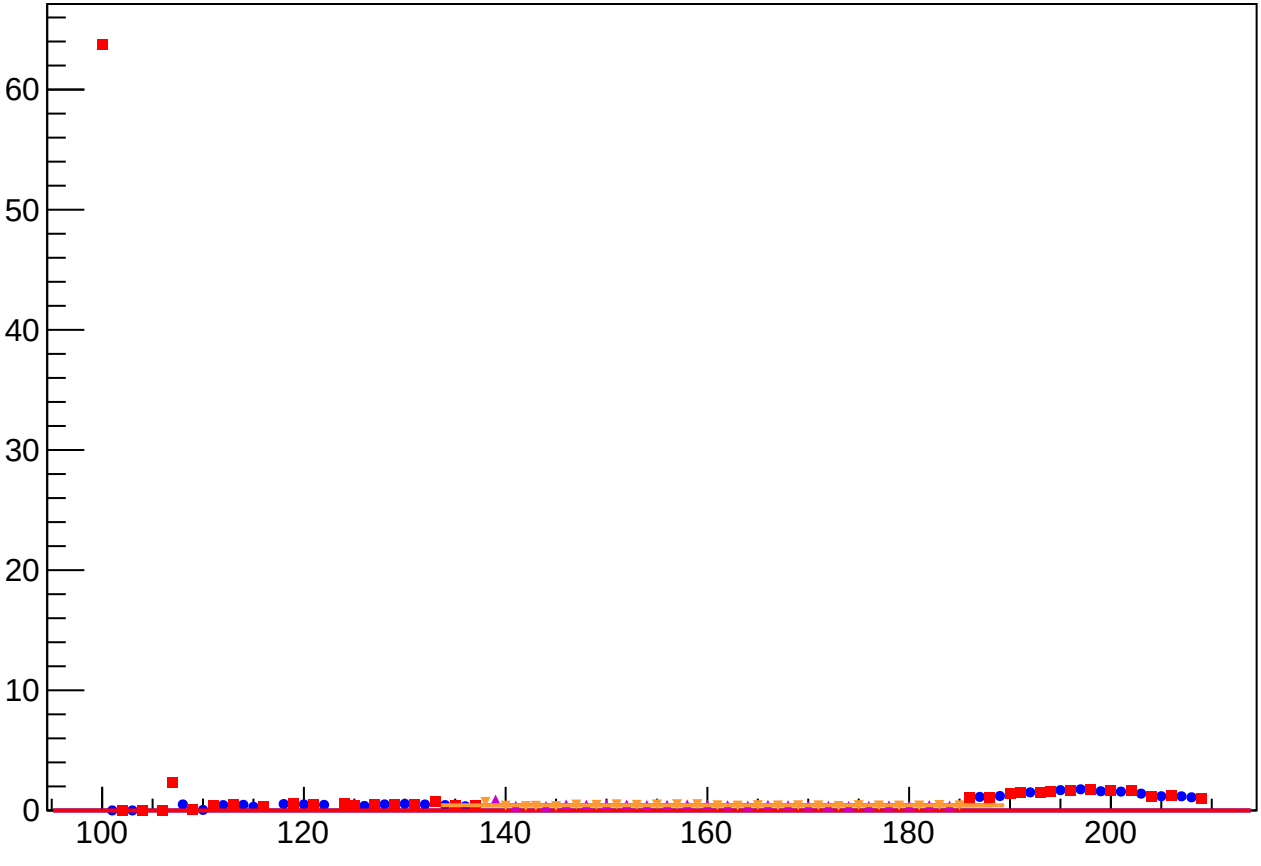
Right: -52.748+/-0.000 χ^2/NDF: 409150668430859

In: -61.422+/-0.000 χ^2/NDF:594119593521.0/49

Out: -45.235+/-0.000 χ^2/NDF:358063157879926.6

All: -52.737+/-0.000 χ^2/NDF: 409620073558

yield_cav4dX_rms vs Slug, Sign Corrected



Right In: 0.001+/-0.000 χ^2/NDF: 25775933.0/26

Left Out: 0.432+/-0.000 χ^2/NDF:527546.3/24

Right Out: 0.001+/-0.000 χ^2/NDF: 28330767.2/31

Left In: 0.438+/-0.000 χ^2/NDF:698702.2/22

Left: 0.435+/-0.000 χ^2/NDF: 1229702.8/47

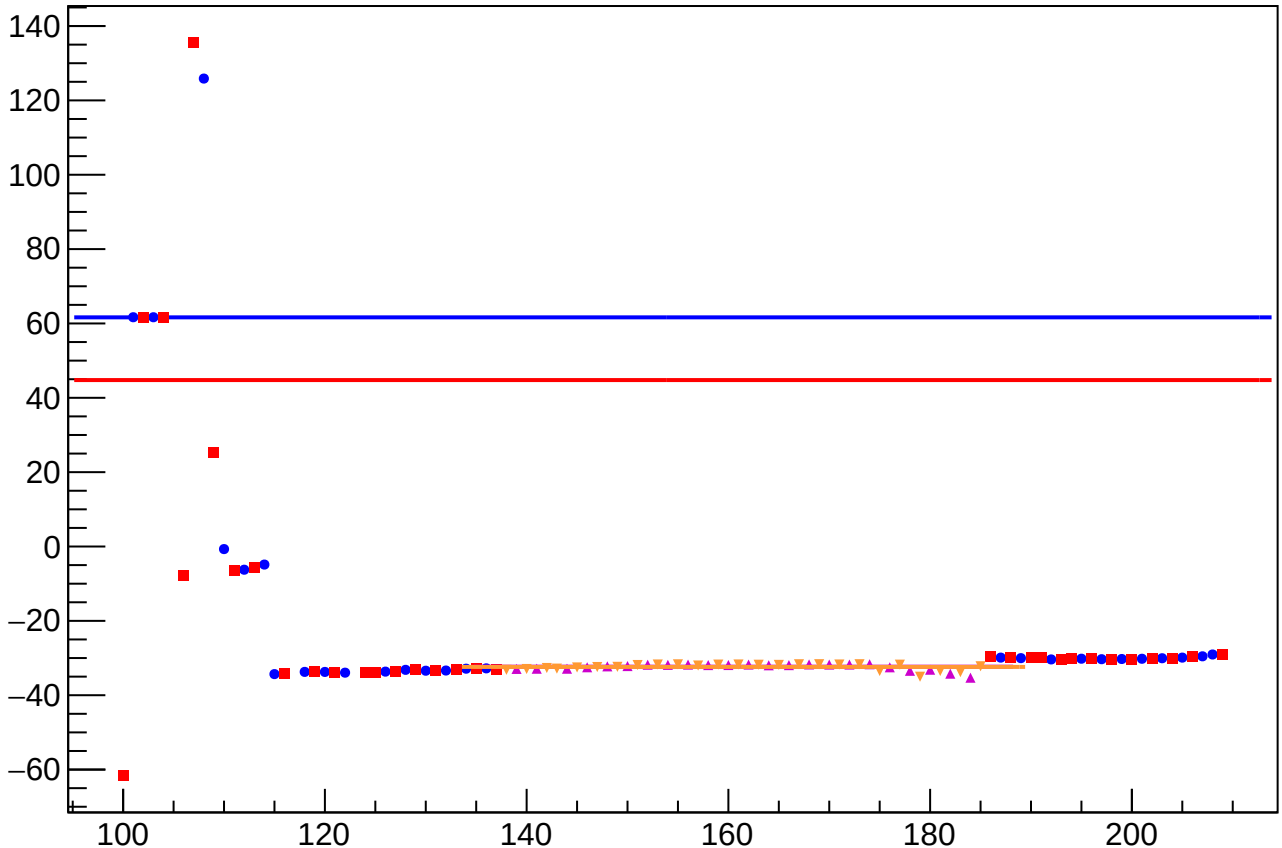
Right: 0.001+/-0.000 χ^2/NDF: 54106702.5/58

In: 0.002+/-0.000 χ^2/NDF:55915857.7/49

Out: 0.002+/-0.000 χ^2/NDF:60095465.4/56

All: 0.002+/-0.000 χ^2/NDF: 116011354.0/106

yield_cav4dY_mean vs Slug, Sign Corrected



Right In: 61.641+/-0.000 χ^2/NDF: 1003074089204.9/26

Left Out: -32.386+/-0.000 χ^2/NDF:172024234.9/24

Right Out: 44.770+/-0.000 χ^2/NDF: 366543079705590.1/31

Left In: -32.325+/-0.000 χ^2/NDF:118654391.5/22

Left: -32.356+/-0.000 χ^2/NDF: 291084378.8/47

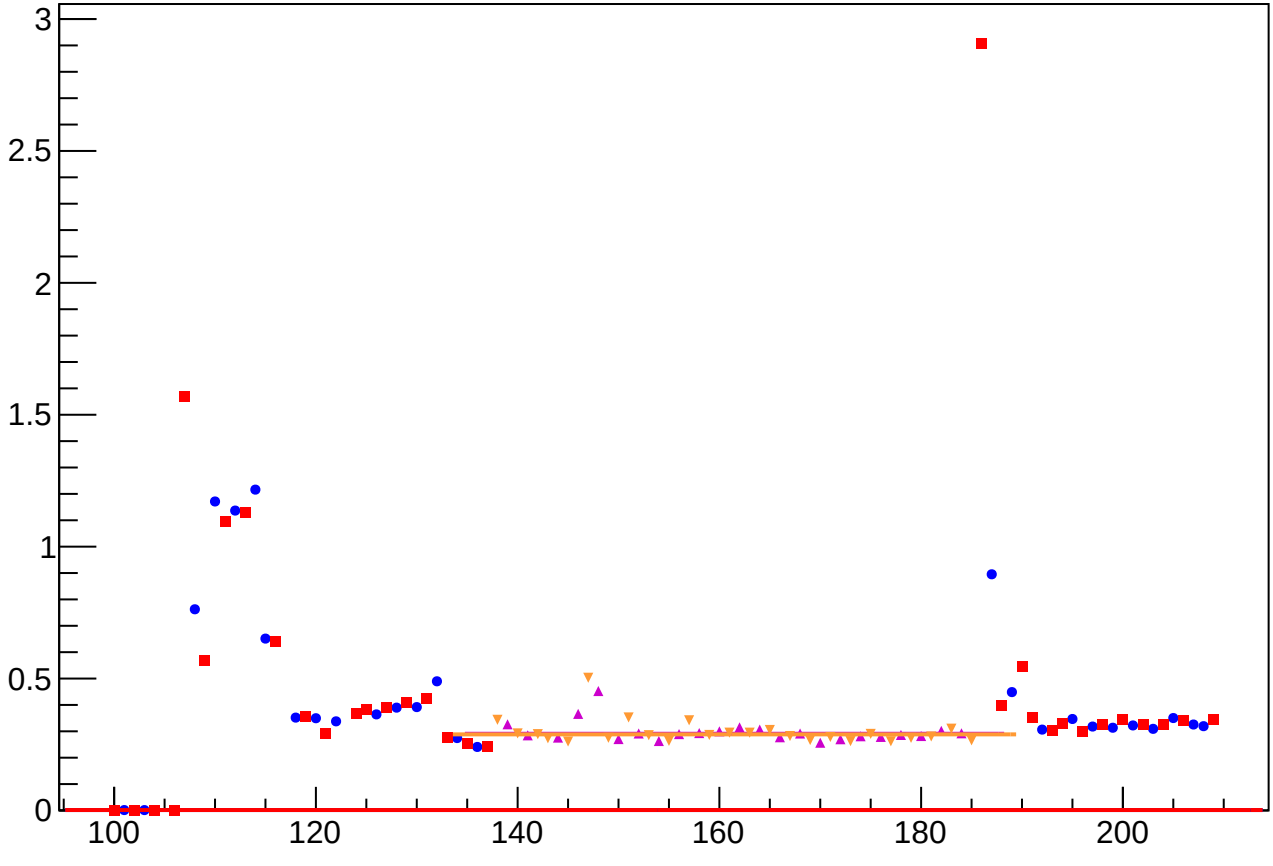
Right: 52.671+/-0.000 χ^2/NDF: 418631745083754.3

In: 61.584+/-0.000 χ^2/NDF:2826158081314.0/49

Out: 44.725+/-0.000 χ^2/NDF:367861140037473.8

All: 52.620+/-0.000 χ^2/NDF: 421725158729

yield_cav4dY_rms vs Slug, Sign Corrected



Right In: 0.002+/-0.000 χ^2/NDF: 27338204.2/26

Left Out: 0.288+/-0.000 χ^2/NDF:522979.2/24

Right Out: 0.002+/-0.000 χ^2/NDF: 29246260.0/31

Left In: 0.291+/-0.000 χ^2/NDF:387524.5/22

Left: 0.290+/-0.000 χ^2/NDF: 911587.8/47

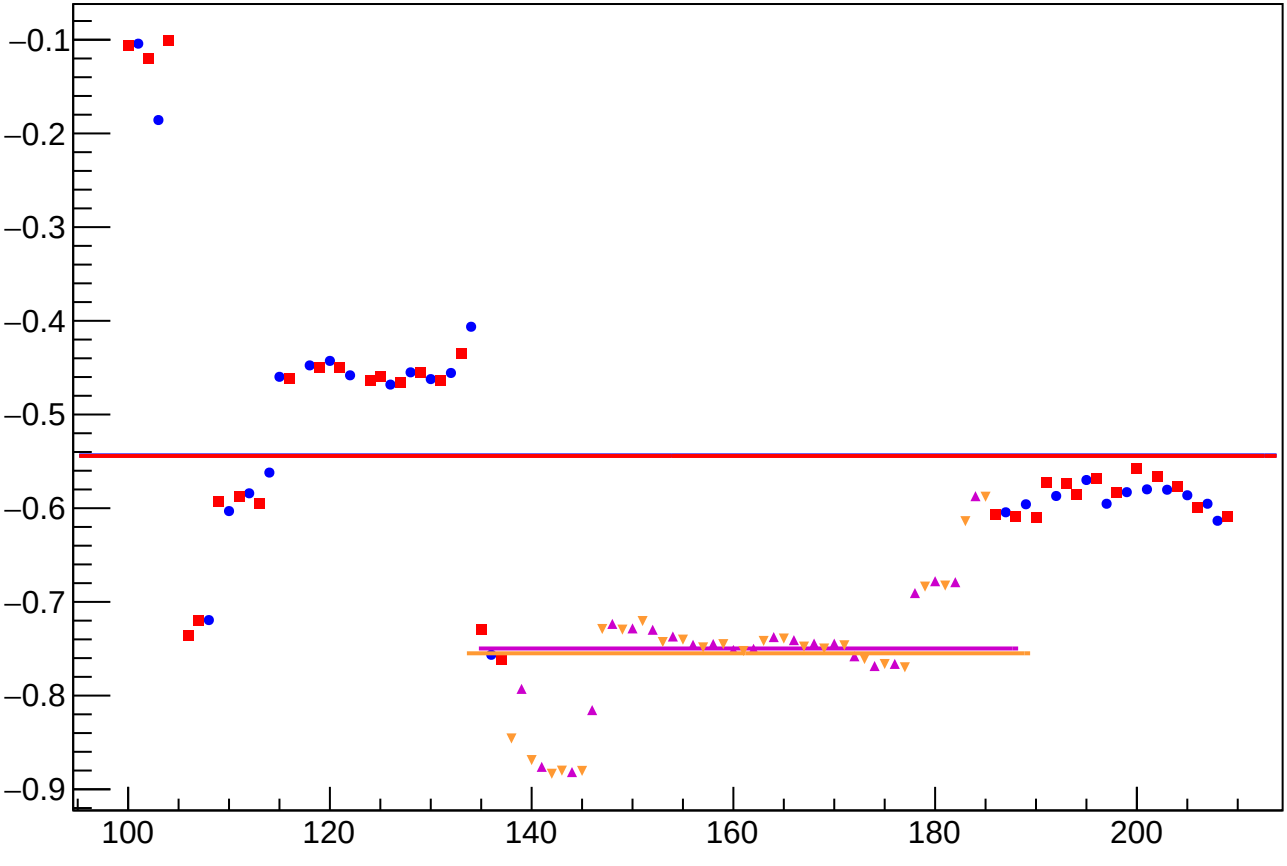
Right: 0.002+/-0.000 χ^2/NDF: 56584554.3/58

In: 0.002+/-0.000 χ^2/NDF:62231168.1/49

Out: 0.002+/-0.000 χ^2/NDF:66189919.9/56

All: 0.002+/-0.000 χ^2/NDF: 128421095.9/106

yield_bpm4aX_mean vs Slug, Sign Corrected



Right In: -0.544+/-0.000 χ^2/NDF: 306811564.2/26

Left Out: -0.755+/-0.000 χ^2/NDF:212643091.8/24

Right Out: -0.544+/-0.000 χ^2/NDF: 221886732.7/31

Left In: -0.750+/-0.000 χ^2/NDF:140839352.1/22

Left: -0.752+/-0.000 χ^2/NDF: 354065711.9/47

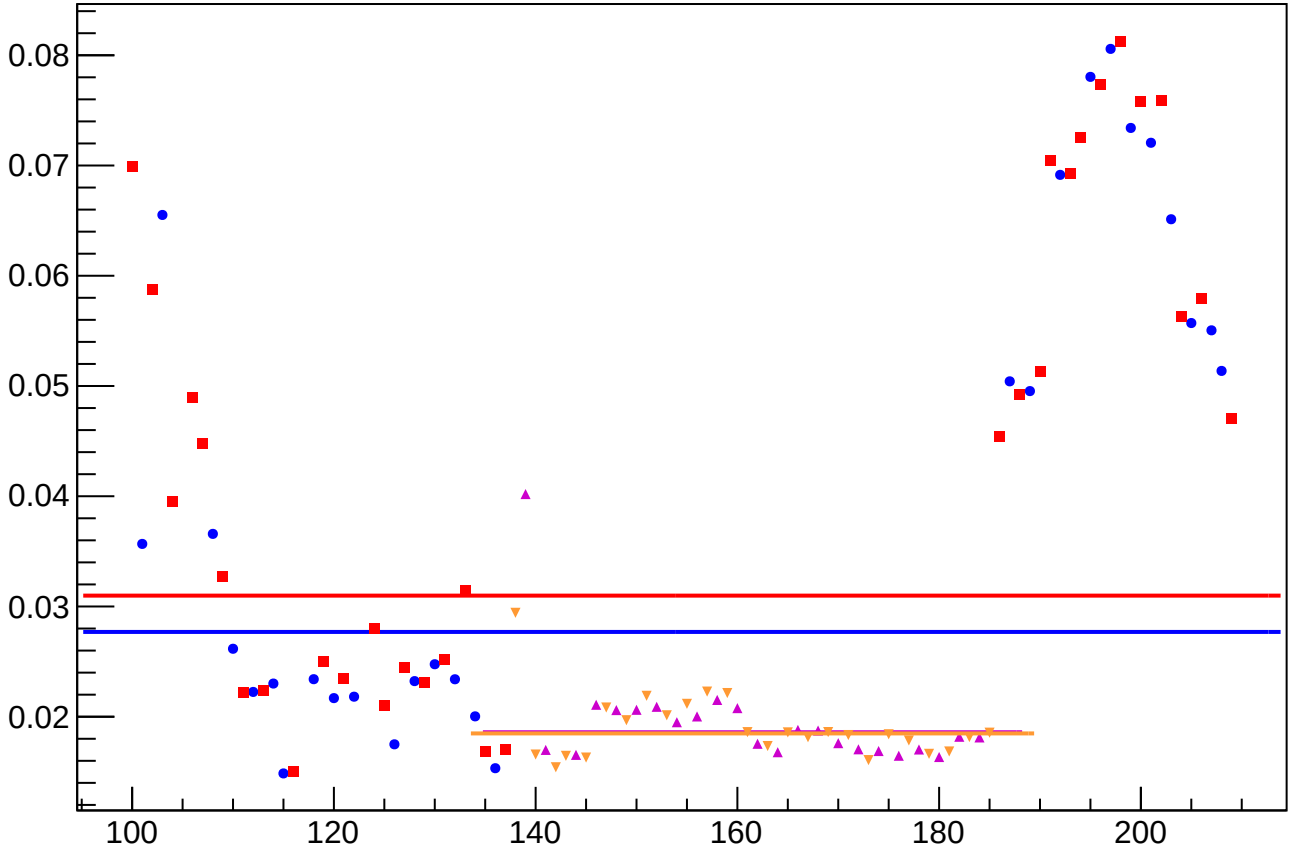
Right: -0.544+/-0.000 χ^2/NDF: 528700395.4/58

In: -0.699+/-0.000 χ^2/NDF:888553448.1/49

Out: -0.710+/-0.000 χ^2/NDF:871059202.6/56

All: -0.705+/-0.000 χ^2/NDF: 1762592189.6/1

yield_bpm4aX_rms vs Slug, Sign Corrected



Right In: 0.028+/-0.000 χ^2/NDF: 7452224.9/26

Left Out: 0.018+/-0.000 χ^2/NDF:491665.0/24

Right Out: 0.031+/-0.000 χ^2/NDF: 7377393.6/31

Left In: 0.019+/-0.000 χ^2/NDF:739183.3/22

Left: 0.019+/-0.000 χ^2/NDF: 1231372.8/47

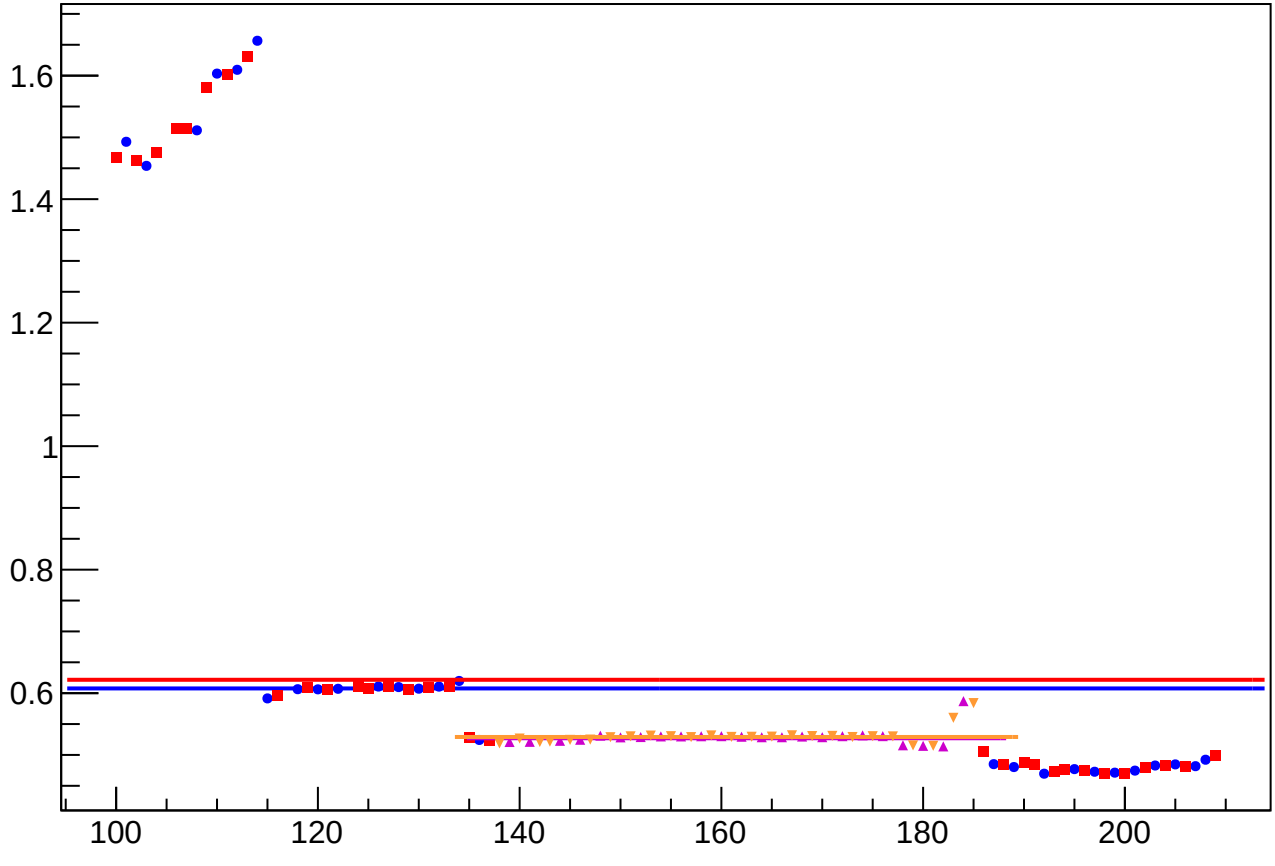
Right: 0.029+/-0.000 χ^2/NDF: 14971831.0/58

In: 0.021+/-0.000 χ^2/NDF:9910066.5/49

Out: 0.021+/-0.000 χ^2/NDF:10943396.5/56

All: 0.021+/-0.000 χ^2/NDF: 20860716.9/106

yield_bpm4aY_mean vs Slug, Sign Corrected



Right In: 0.608+/-0.000 χ^2/NDF: 5640194852.3/26

Left Out: 0.529+/-0.000 χ^2/NDF:16236836.5/24

Right Out: 0.622+/-0.000 χ^2/NDF: 6608617099.3/31

Left In: 0.527+/-0.000 χ^2/NDF:13035326.4/22

Left: 0.528+/-0.000 χ^2/NDF: 29556075.1/47

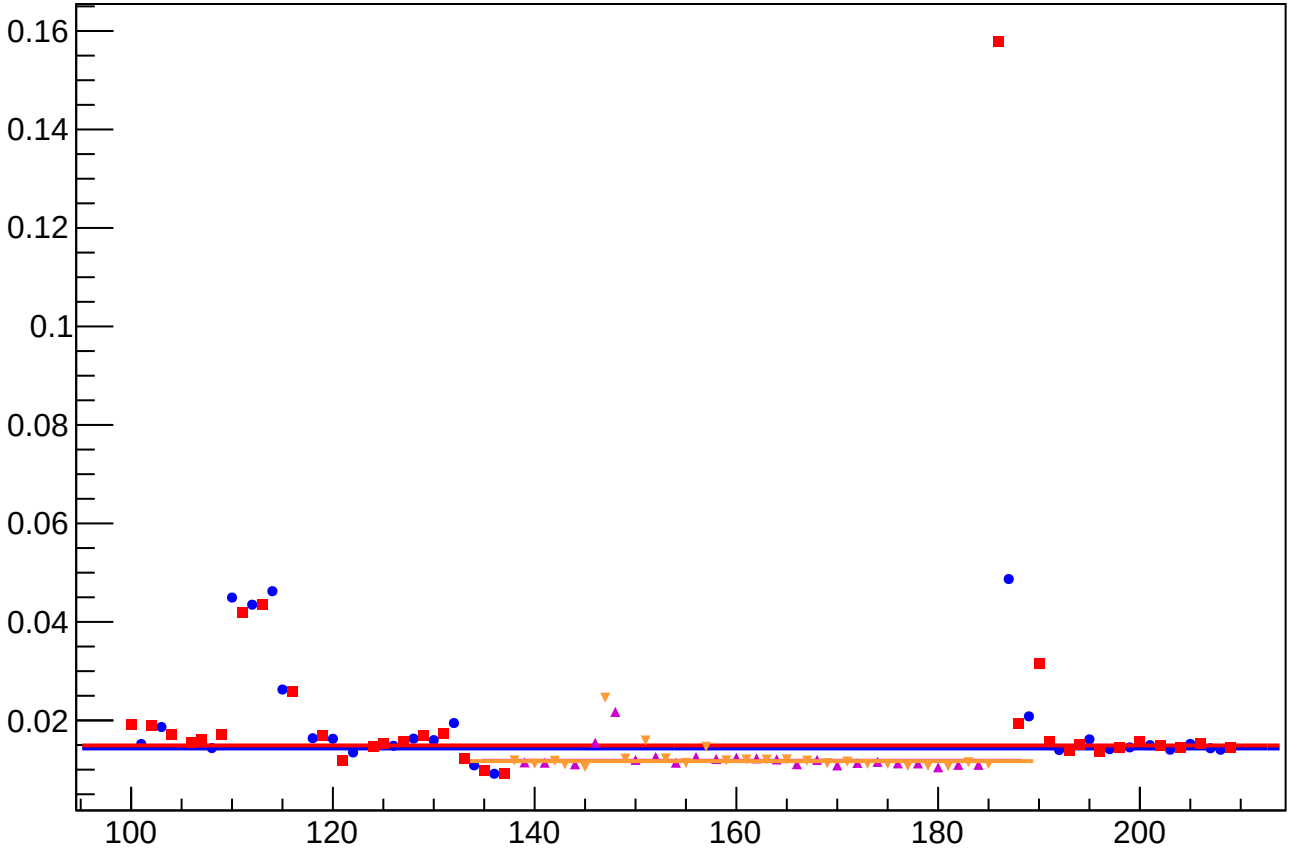
Right: 0.615+/-0.000 χ^2/NDF: 12255528139.1/58

In: 0.555+/-0.000 χ^2/NDF:5942158066.8/49

Out: 0.560+/-0.000 χ^2/NDF:7013552939.0/56

All: 0.558+/-0.000 χ^2/NDF: 12958132033.5/1

yield_bpm4aY_rms vs Slug, Sign Corrected



Right In: 0.014+/-0.000 χ^2/NDF: 1970216.3/26

Left Out: 0.012+/-0.000 χ^2/NDF:699878.1/24

Right Out: 0.015+/-0.000 χ^2/NDF: 2386939.5/31

Left In: 0.012+/-0.000 χ^2/NDF:519826.8/22

Left: 0.012+/-0.000 χ^2/NDF: 1220115.4/47

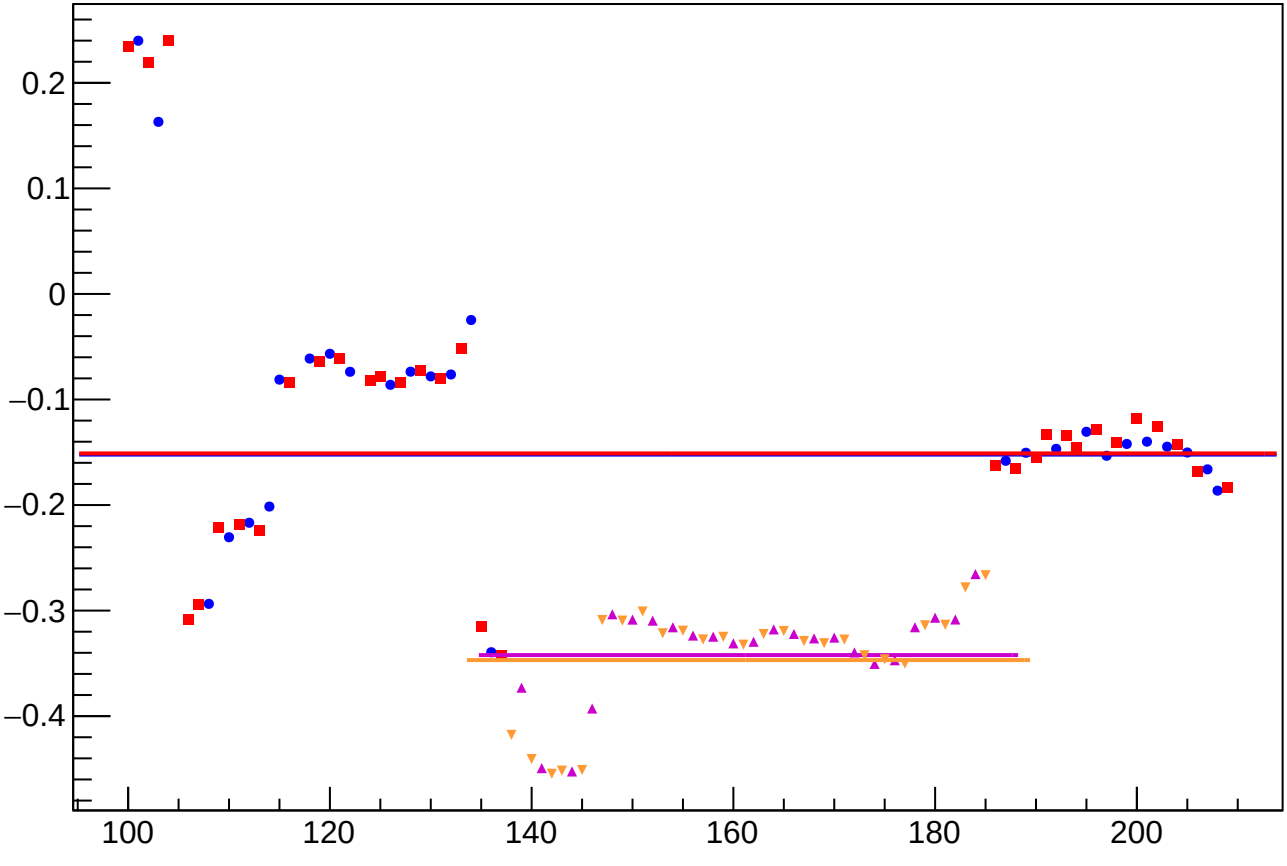
Right: 0.015+/-0.000 χ^2/NDF: 4382179.4/58

In: 0.013+/-0.000 χ^2/NDF:3051056.5/49

Out: 0.013+/-0.000 χ^2/NDF:4000528.3/56

All: 0.013+/-0.000 χ^2/NDF: 7054948.0/106

yield_bpm4eX_mean vs Slug, Sign Corrected



Right In: -0.152+/-0.000 χ^2/NDF: 277404039.8/26

Left Out: -0.347+/-0.000 χ^2/NDF:125890246.2/24

Right Out: -0.151+/-0.000 χ^2/NDF: 200499353.4/31

Left In: -0.342+/-0.000 χ^2/NDF:88220744.3/22

Left: -0.345+/-0.000 χ^2/NDF: 214611737.9/47

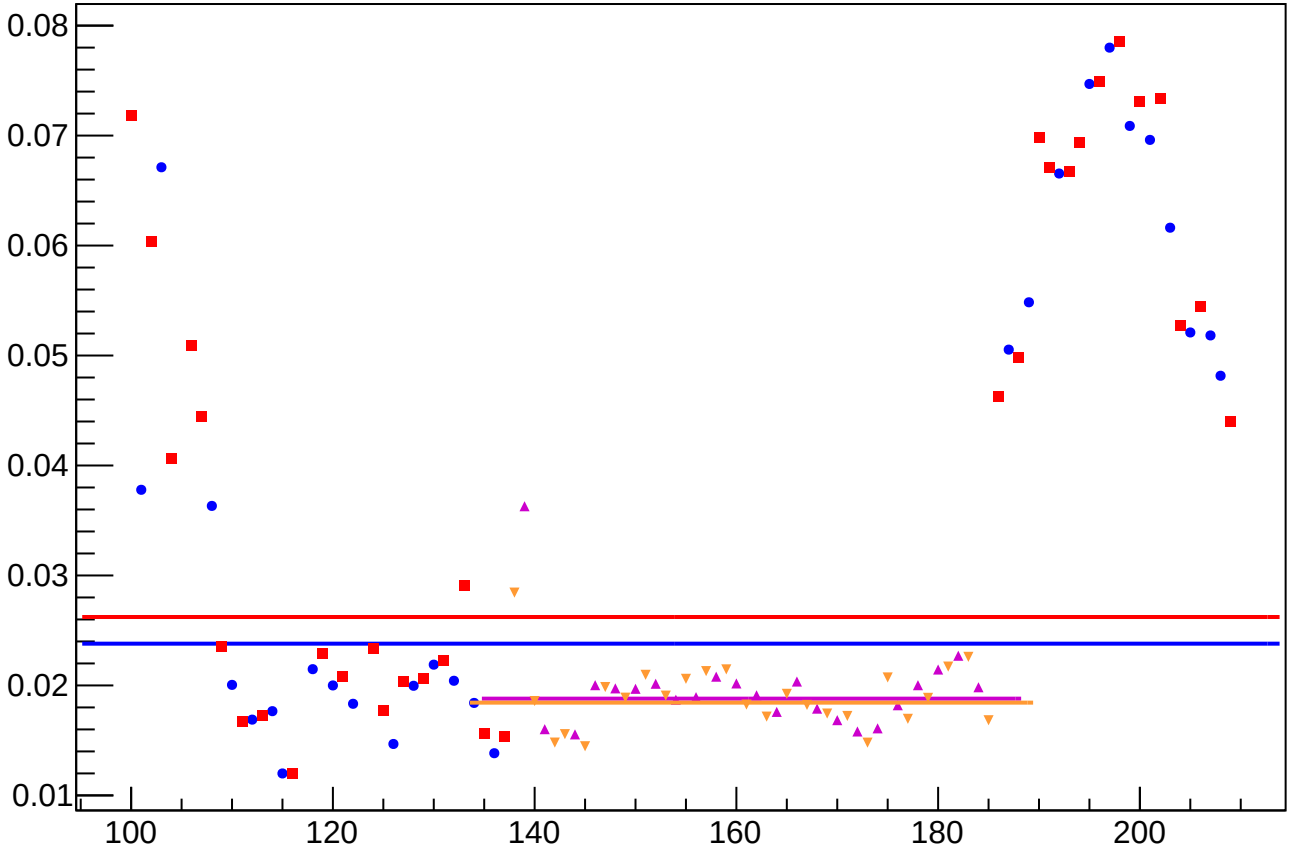
Right: -0.152+/-0.000 χ^2/NDF: 477913909.1/58

In: -0.286+/-0.000 χ^2/NDF:816341133.5/49

Out: -0.296+/-0.000 χ^2/NDF:791365318.9/56

All: -0.291+/-0.000 χ^2/NDF: 1610611622.8/1

yield_bpm4eX_rms vs Slug, Sign Corrected



Right In: 0.024+/-0.000 χ^2/NDF: 8532360.8/26

Left Out: 0.018+/-0.000 χ^2/NDF:640029.5/24

Right Out: 0.026+/-0.000 χ^2/NDF: 8937594.6/31

Left In: 0.019+/-0.000 χ^2/NDF:718726.0/22

Left: 0.019+/-0.000 χ^2/NDF: 1364603.4/47

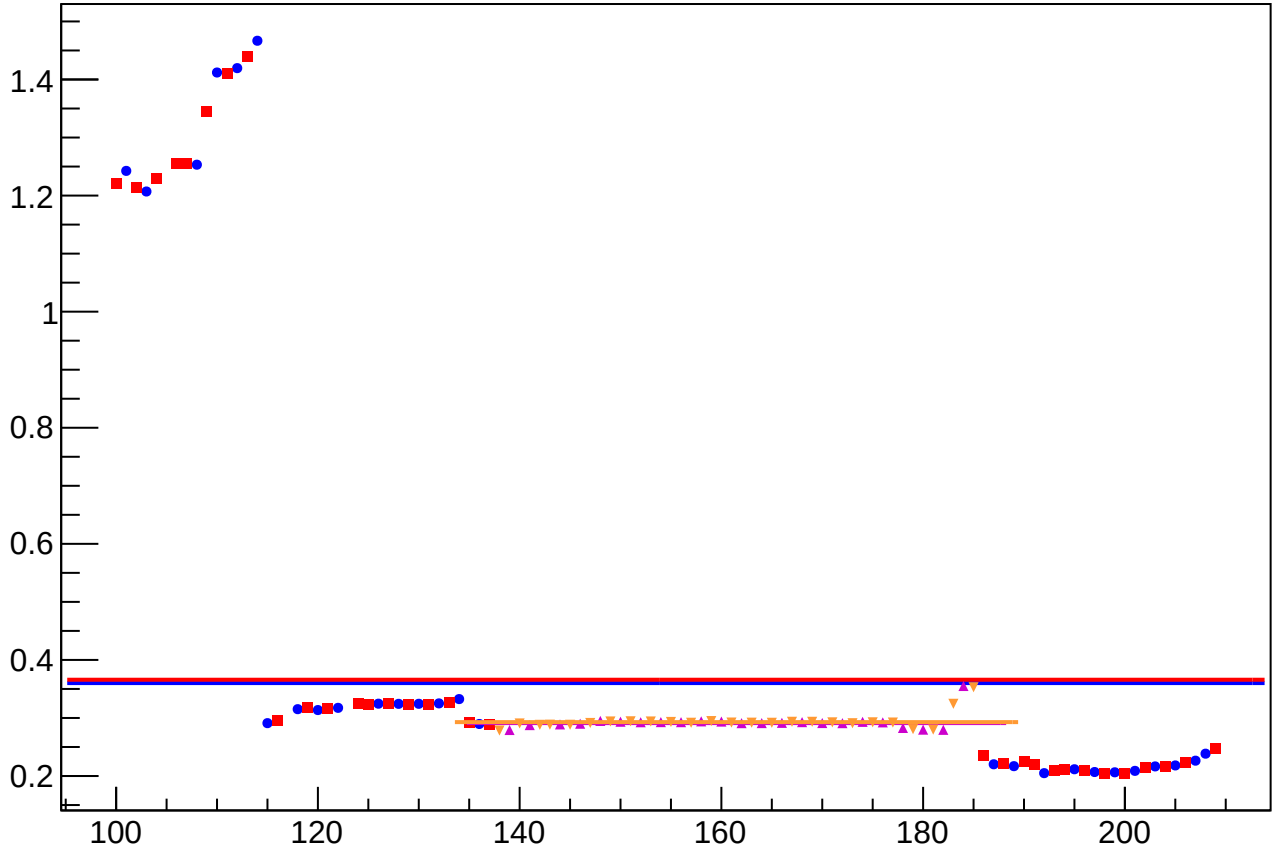
Right: 0.025+/-0.000 χ^2/NDF: 17569947.7/58

In: 0.020+/-0.000 χ^2/NDF:9875525.0/49

Out: 0.020+/-0.000 χ^2/NDF:11048178.2/56

All: 0.020+/-0.000 χ^2/NDF: 20925938.6/106

yield_bpm4eY_mean vs Slug, Sign Corrected



Right In: 0.360+/-0.000 χ^2/NDF: 8331446287.1/26

Left Out: 0.293+/-0.000 χ^2/NDF:17281571.0/24

Right Out: 0.366+/-0.000 χ^2/NDF: 9303597357.0/31

Left In: 0.291+/-0.000 χ^2/NDF:10282762.1/22

Left: 0.292+/-0.000 χ^2/NDF: 27773527.3/47

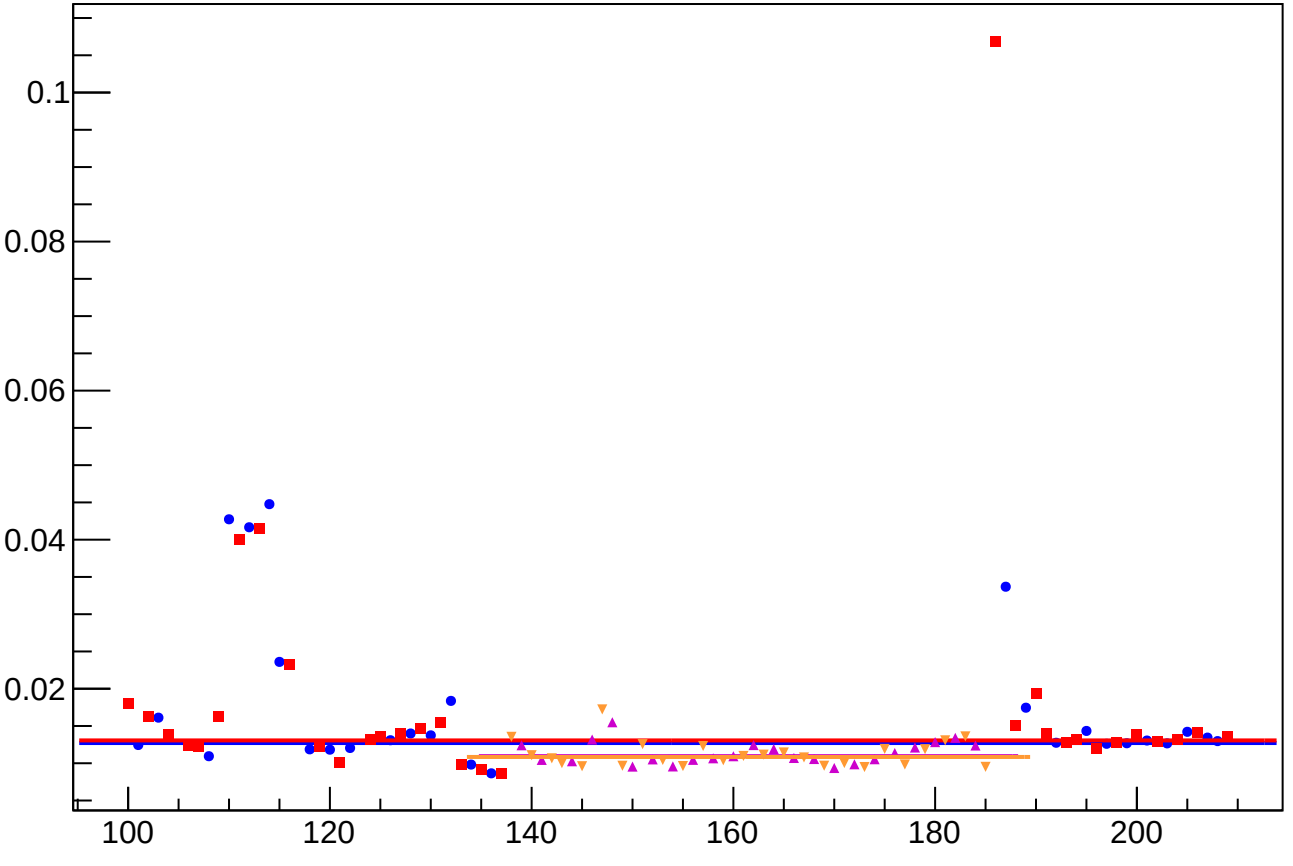
Right: 0.363+/-0.000 χ^2/NDF: 17636515715.9/58

In: 0.317+/-0.000 χ^2/NDF:8599687746.9/49

Out: 0.319+/-0.000 χ^2/NDF:9622770960.7/56

All: 0.318+/-0.000 χ^2/NDF: 18223104924.4/1

yield_bpm4eY_rms vs Slug, Sign Corrected



Right In: 0.013+/-0.000 χ^2/NDF: 1793654.0/26

Left Out: 0.011+/-0.000 χ^2/NDF:654475.7/24

Right Out: 0.013+/-0.000 χ^2/NDF: 2179725.1/31

Left In: 0.011+/-0.000 χ^2/NDF:512130.1/22

Left: 0.011+/-0.000 χ^2/NDF: 1168468.8/47

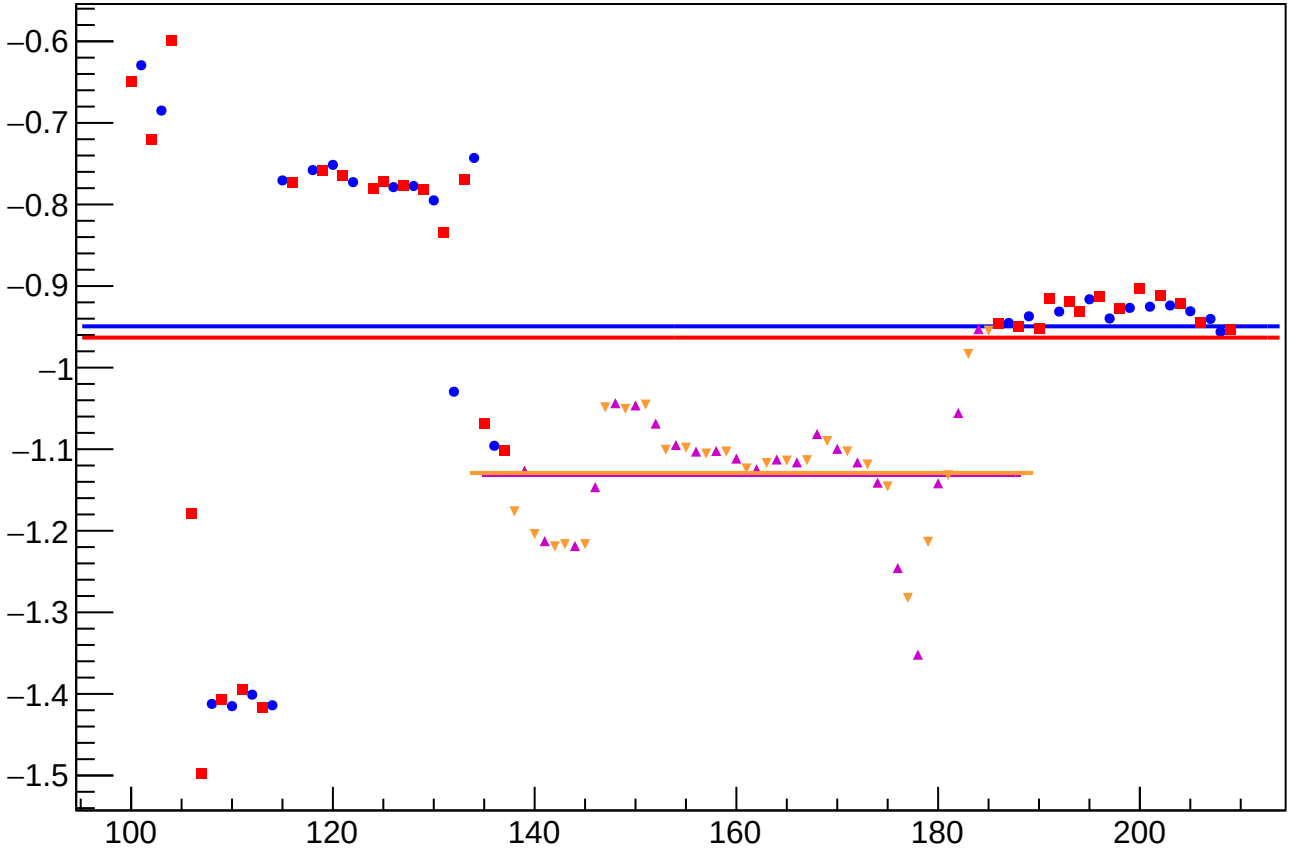
Right: 0.013+/-0.000 χ^2/NDF: 3984261.3/58

In: 0.012+/-0.000 χ^2/NDF:2640816.5/49

Out: 0.012+/-0.000 χ^2/NDF:3391812.5/56

All: 0.012+/-0.000 χ^2/NDF: 6032929.8/106

yield_bpm4acX_mean vs Slug, Sign Corrected



Right In: -0.949+/-0.000 χ^2/NDF: 700278149.7/26

Left Out: -1.129+/-0.000 χ^2/NDF:238152679.4/24

Right Out: -0.963+/-0.000 χ^2/NDF: 718005794.9/31

Left In: -1.132+/-0.000 χ^2/NDF:260075820.5/22

Left: -1.130+/-0.000 χ^2/NDF: 498379456.8/47

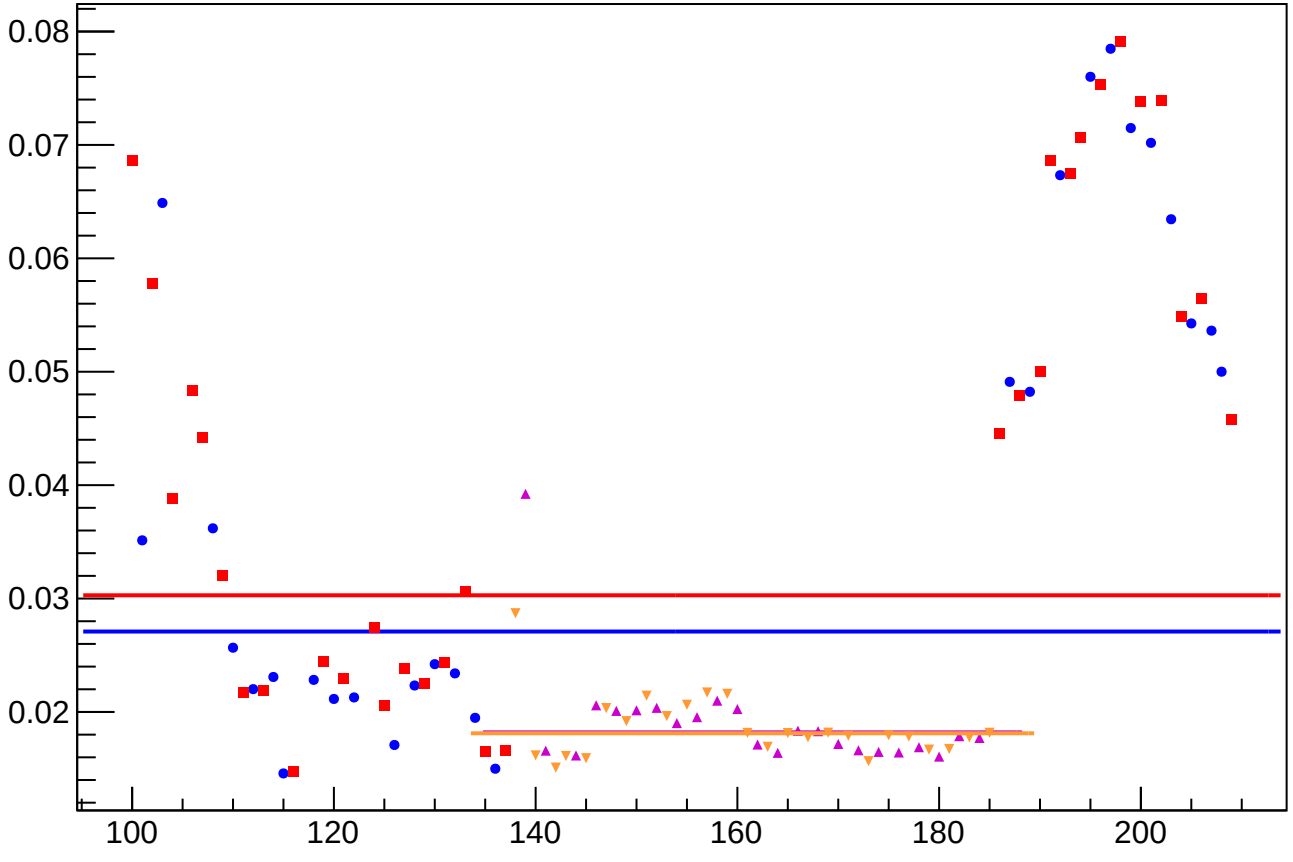
Right: -0.956+/-0.000 χ^2/NDF: 1419596057.4/58

In: -1.087+/-0.000 χ^2/NDF:1320945339.5/49

Out: -1.093+/-0.000 χ^2/NDF:1238986794.2/56

All: -1.090+/-0.000 χ^2/NDF: 2561078358.9/1

yield_bpm4acX_rms vs Slug, Sign Corrected



Right In: 0.027+/-0.000 χ^2/NDF: 7430321.8/26

Left Out: 0.018+/-0.000 χ^2/NDF:474004.4/24

Right Out: 0.030+/-0.000 χ^2/NDF: 7351681.6/31

Left In: 0.018+/-0.000 χ^2/NDF:723957.3/22

Left: 0.018+/-0.000 χ^2/NDF: 1198259.9/47

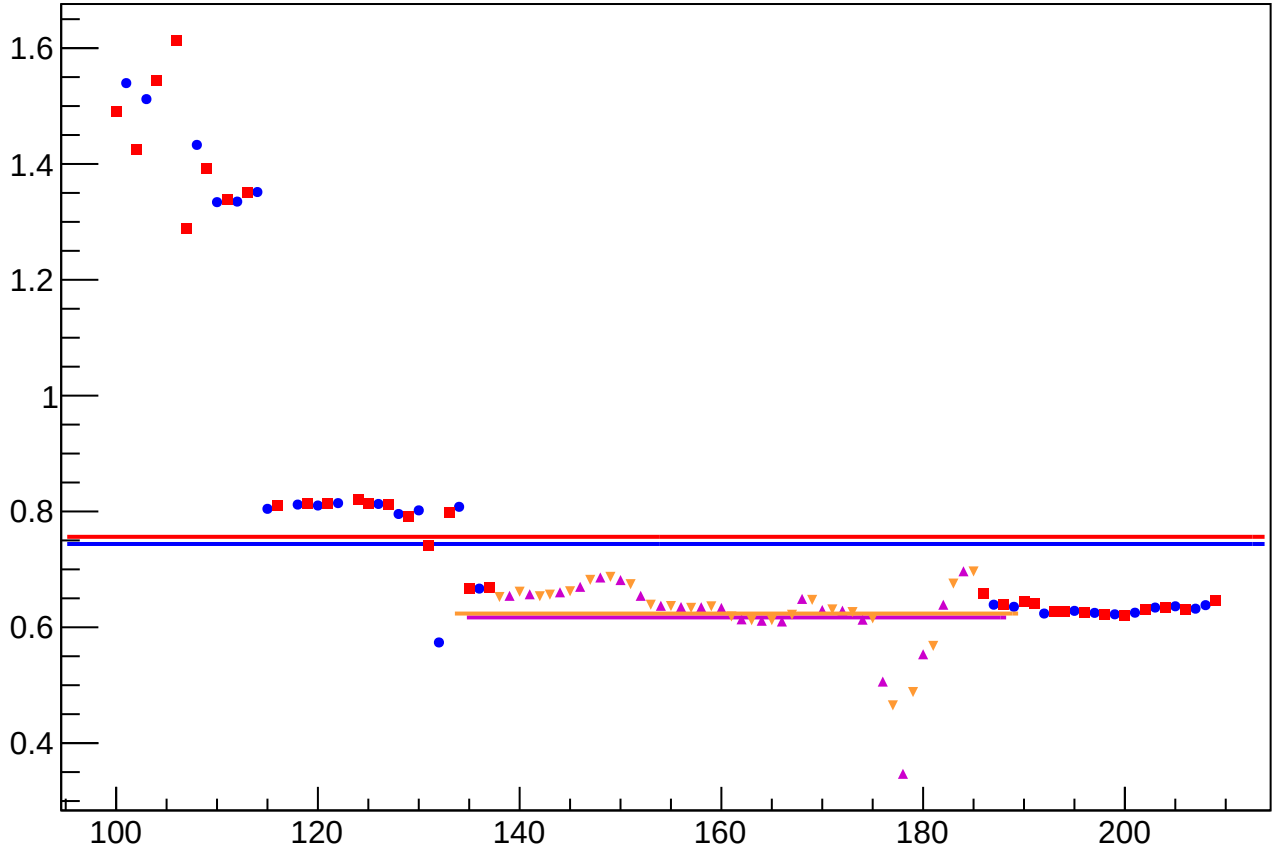
Right: 0.029+/-0.000 χ^2/NDF: 14922079.7/58

In: 0.020+/-0.000 χ^2/NDF:9870556.7/49

Out: 0.021+/-0.000 χ^2/NDF:10869959.3/56

All: 0.021+/-0.000 χ^2/NDF: 20748807.1/106

yield_bpm4acY_mean vs Slug, Sign Corrected



Right In: 0.744+/-0.000 χ^2/NDF: 3861769727.5/26

Left Out: 0.624+/-0.000 χ^2/NDF:400613435.2/24

Right Out: 0.756+/-0.000 χ^2/NDF: 4227890791.9/31

Left In: 0.617+/-0.000 χ^2/NDF:646297442.3/22

Left: 0.620+/-0.000 χ^2/NDF: 1049789293.9/47

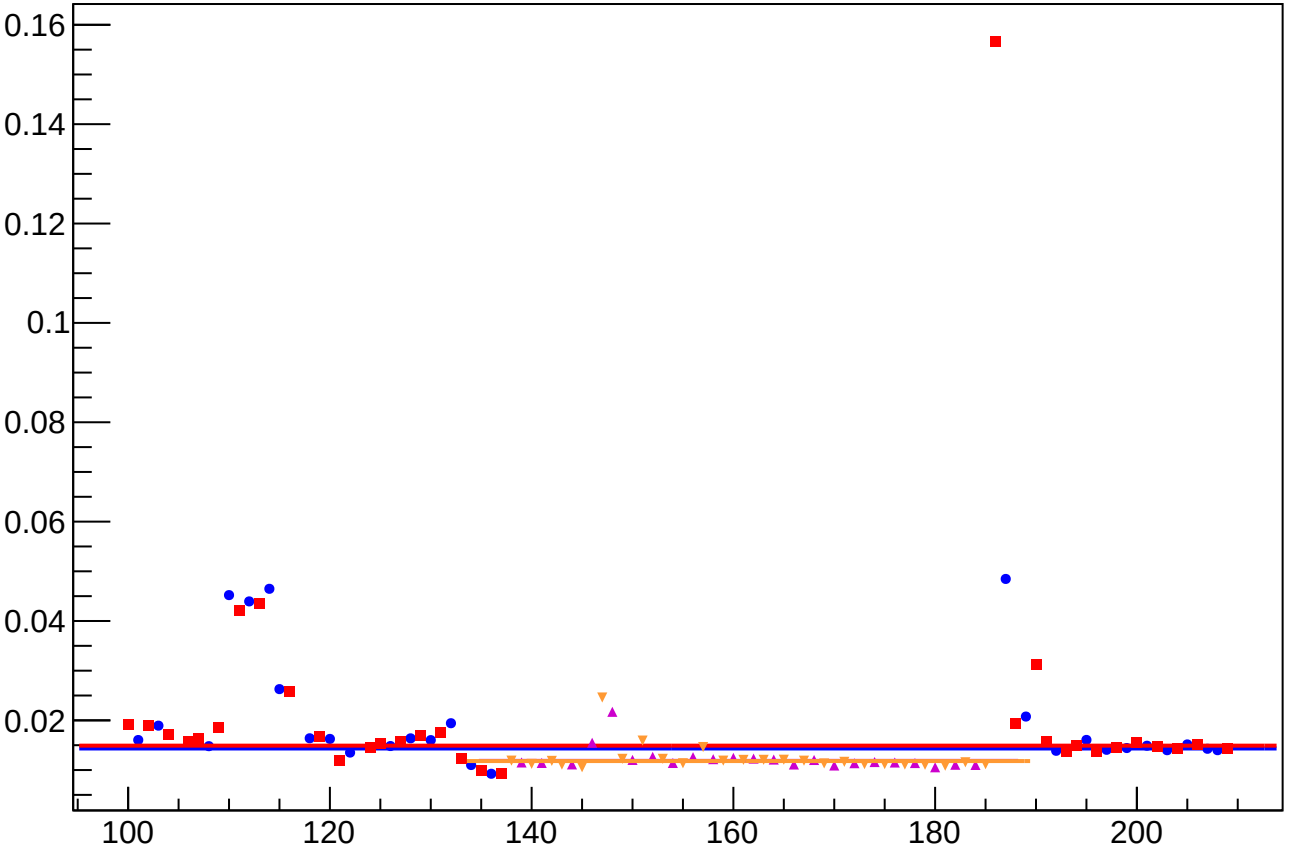
Right: 0.750+/-0.000 χ^2/NDF: 8094878098.9/58

In: 0.662+/-0.000 χ^2/NDF:5216272884.9/49

Out: 0.669+/-0.000 χ^2/NDF:5419093300.0/56

All: 0.665+/-0.000 χ^2/NDF: 10640218509.0/1

yield_bpm4acY_rms vs Slug, Sign Corrected



Right In: 0.014+/-0.000 χ^2/NDF: 1953718.5/26

Left Out: 0.012+/-0.000 χ^2/NDF:673680.7/24

Right Out: 0.015+/-0.000 χ^2/NDF: 2391790.1/31

Left In: 0.012+/-0.000 χ^2/NDF:508762.0/22

Left: 0.012+/-0.000 χ^2/NDF: 1182628.0/47

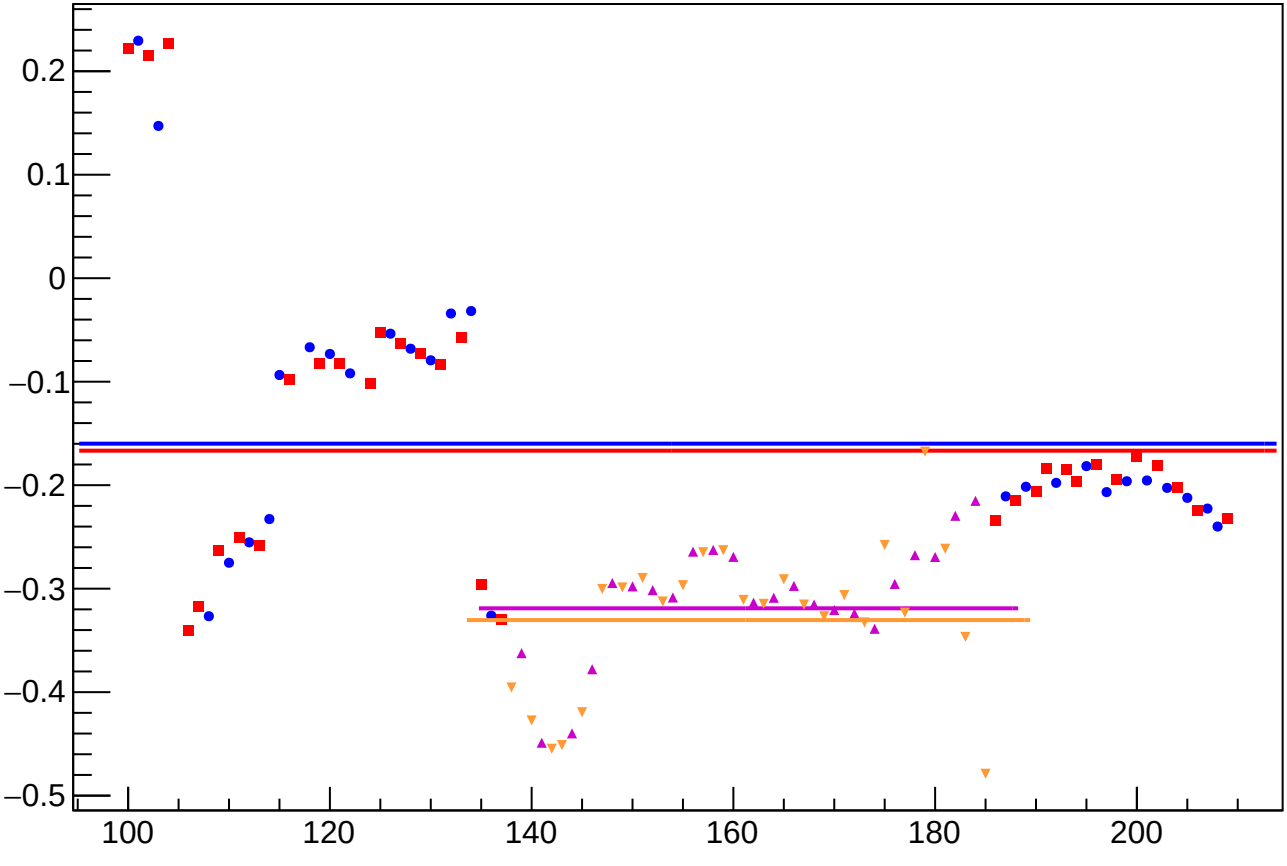
Right: 0.015+/-0.000 χ^2/NDF: 4367689.1/58

In: 0.013+/-0.000 χ^2/NDF:3010340.2/49

Out: 0.013+/-0.000 χ^2/NDF:3932452.9/56

All: 0.013+/-0.000 χ^2/NDF: 6946503.4/106

yield_bpm4ecX_mean vs Slug, Sign Corrected



Right In: -0.160+/-0.000 χ^2/NDF: 281311115.1/26

Left Out: -0.330+/-0.000 χ^2/NDF:182729419.2/24

Right Out: -0.167+/-0.000 χ^2/NDF: 201746027.2/31

Left In: -0.319+/-0.000 χ^2/NDF:130589173.8/22

Left: -0.325+/-0.000 χ^2/NDF: 316163358.3/47

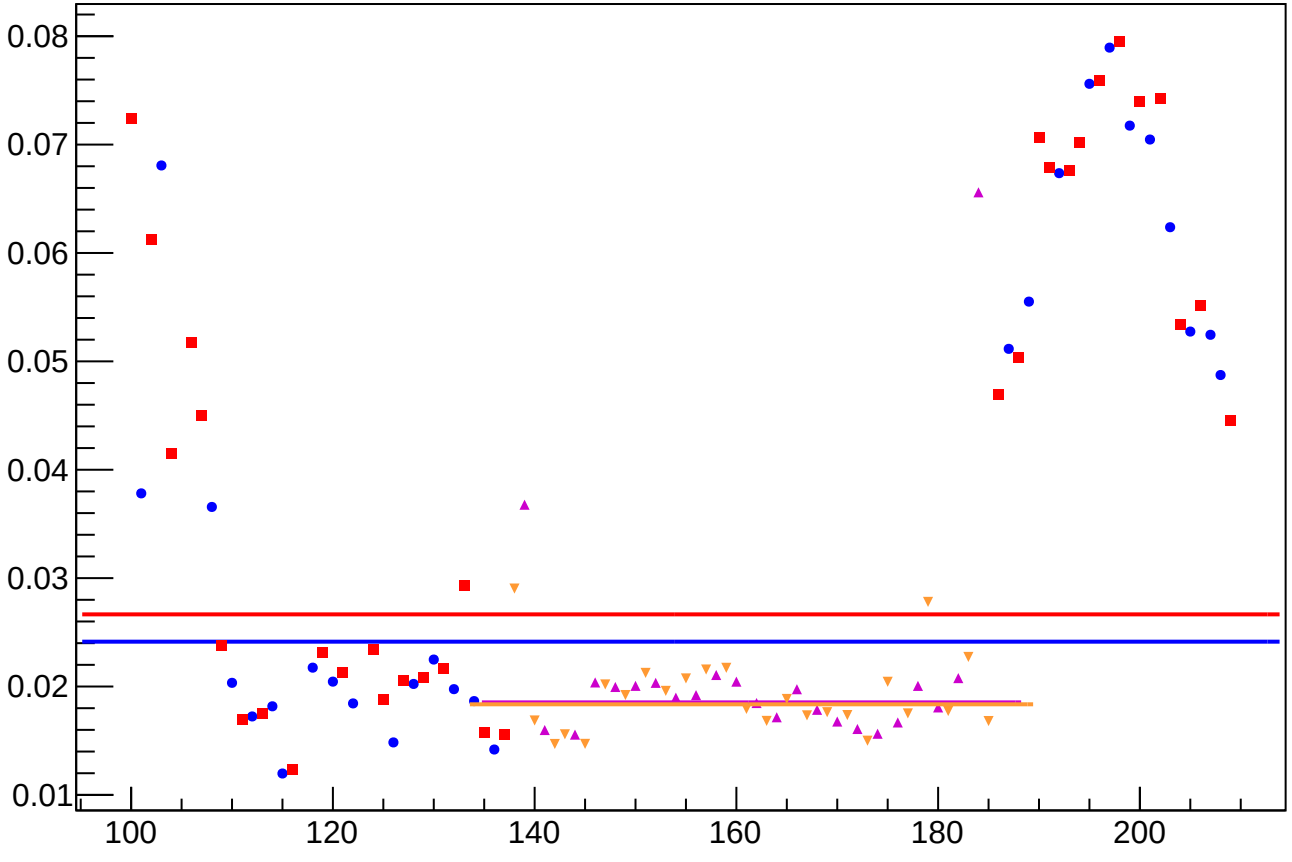
Right: -0.163+/-0.000 χ^2/NDF: 483436097.4/58

In: -0.273+/-0.000 χ^2/NDF:721849715.7/49

Out: -0.288+/-0.000 χ^2/NDF:700140123.3/56

All: -0.281+/-0.000 χ^2/NDF: 1428904298.6/1

yield_bpm4ecX_rms vs Slug, Sign Corrected



Right In: 0.024+/-0.000 χ^2/NDF: 8494003.6/26

Left Out: 0.018+/-0.000 χ^2/NDF:737503.8/24

Right Out: 0.027+/-0.000 χ^2/NDF: 8883167.7/31

Left In: 0.019+/-0.000 χ^2/NDF:933807.9/22

Left: 0.018+/-0.000 χ^2/NDF: 1672700.6/47

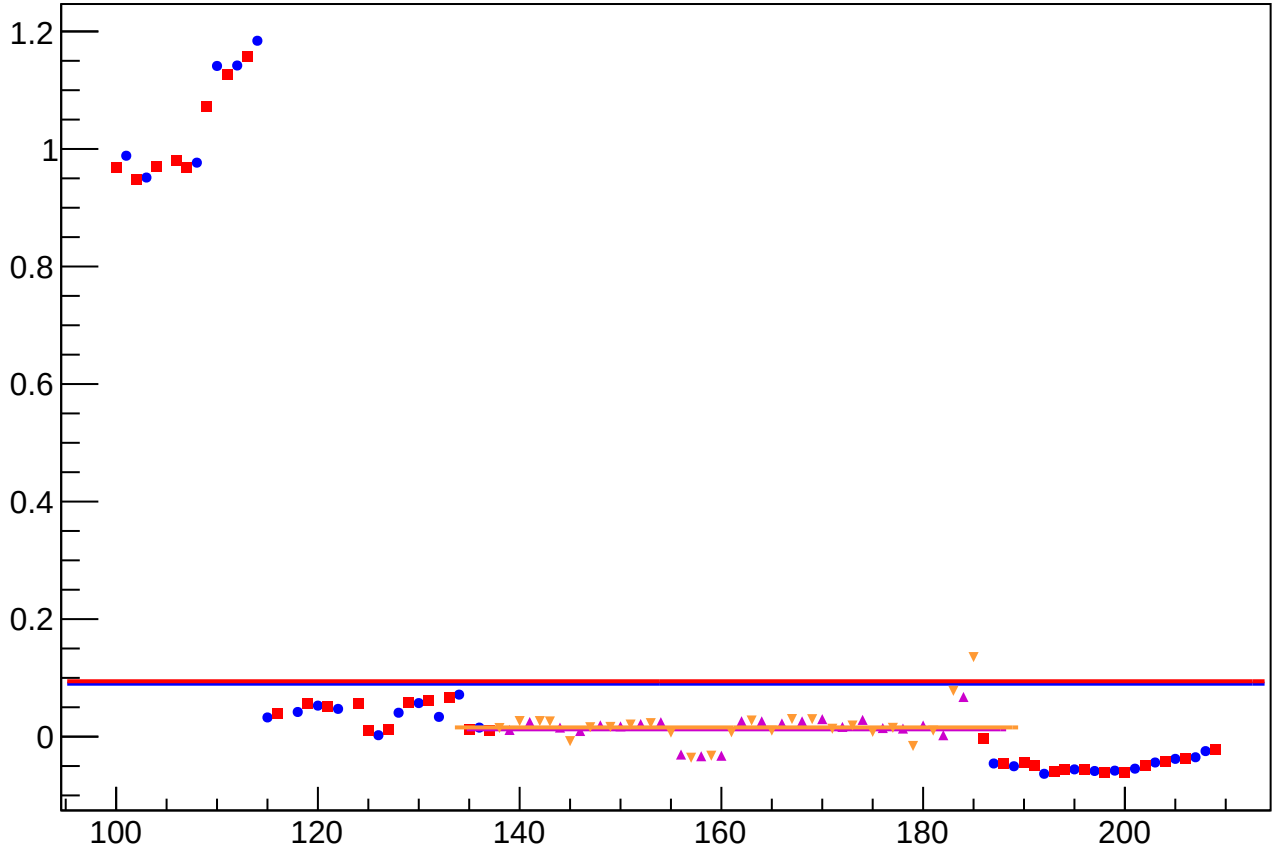
Right: 0.025+/-0.000 χ^2/NDF: 17482037.3/58

In: 0.020+/-0.000 χ^2/NDF:10195955.4/49

Out: 0.020+/-0.000 χ^2/NDF:11242691.9/56

All: 0.020+/-0.000 χ^2/NDF: 21445847.6/106

yield_bpm4ecY_mean vs Slug, Sign Corrected



Right In: 0.090+/-0.000 χ^2/NDF: 8375321547.9/26

Left Out: 0.016+/-0.000 χ^2/NDF:104485335.8/24

Right Out: 0.094+/-0.000 χ^2/NDF: 9174323943.3/31

Left In: 0.012+/-0.000 χ^2/NDF:58674739.1/22

Left: 0.014+/-0.000 χ^2/NDF: 163971847.3/47

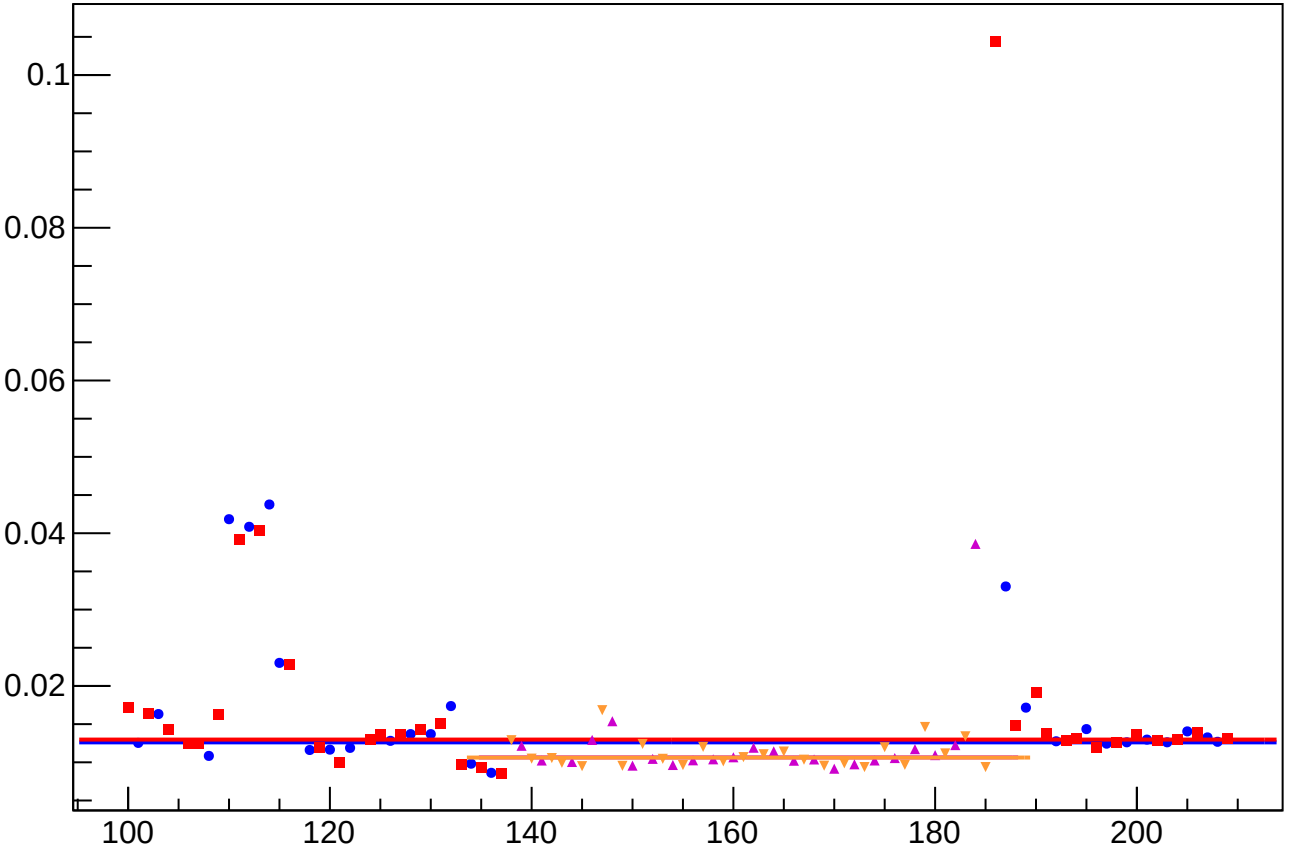
Right: 0.092+/-0.000 χ^2/NDF: 17550411195.7/58

In: 0.041+/-0.000 χ^2/NDF:8769370139.4/49

Out: 0.044+/-0.000 χ^2/NDF:9632966269.9/56

All: 0.043+/-0.000 χ^2/NDF: 18403422678.1/1

yield_bpm4ecY_rms vs Slug, Sign Corrected



Right In: 0.013+/-0.000 χ^2/NDF: 1755873.3/26

Left Out: 0.011+/-0.000 χ^2/NDF:622208.3/24

Right Out: 0.013+/-0.000 χ^2/NDF: 2120240.9/31

Left In: 0.011+/-0.000 χ^2/NDF:571950.9/22

Left: 0.011+/-0.000 χ^2/NDF: 1194217.8/47

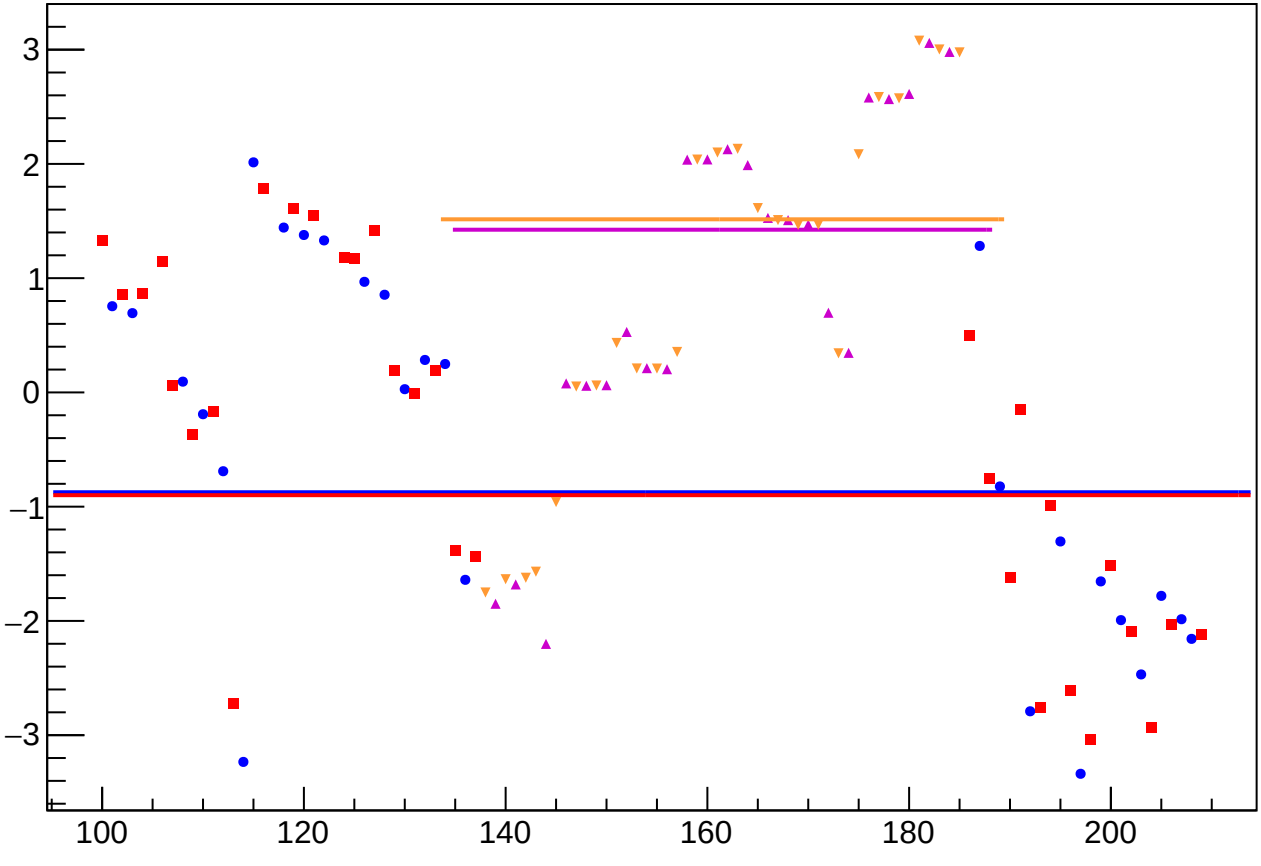
Right: 0.013+/-0.000 χ^2/NDF: 3888002.5/58

In: 0.011+/-0.000 χ^2/NDF:2759612.4/49

Out: 0.011+/-0.000 χ^2/NDF:3378997.5/56

All: 0.011+/-0.000 χ^2/NDF: 6141306.7/106

yield_bpm1X_mean vs Slug, Sign Corrected



Right In: -0.874+/-0.000 χ^2/NDF: 8582008632.5/26

Left Out: 1.515+/-0.000 χ^2/NDF:67789388512.2/24

Right Out: -0.899+/-0.000 χ^2/NDF: 9507149877.0/31

Left In: 1.424+/-0.000 χ^2/NDF:68046262594.0/22

Left: 1.469+/-0.000 χ^2/NDF: 136089936937.5/47

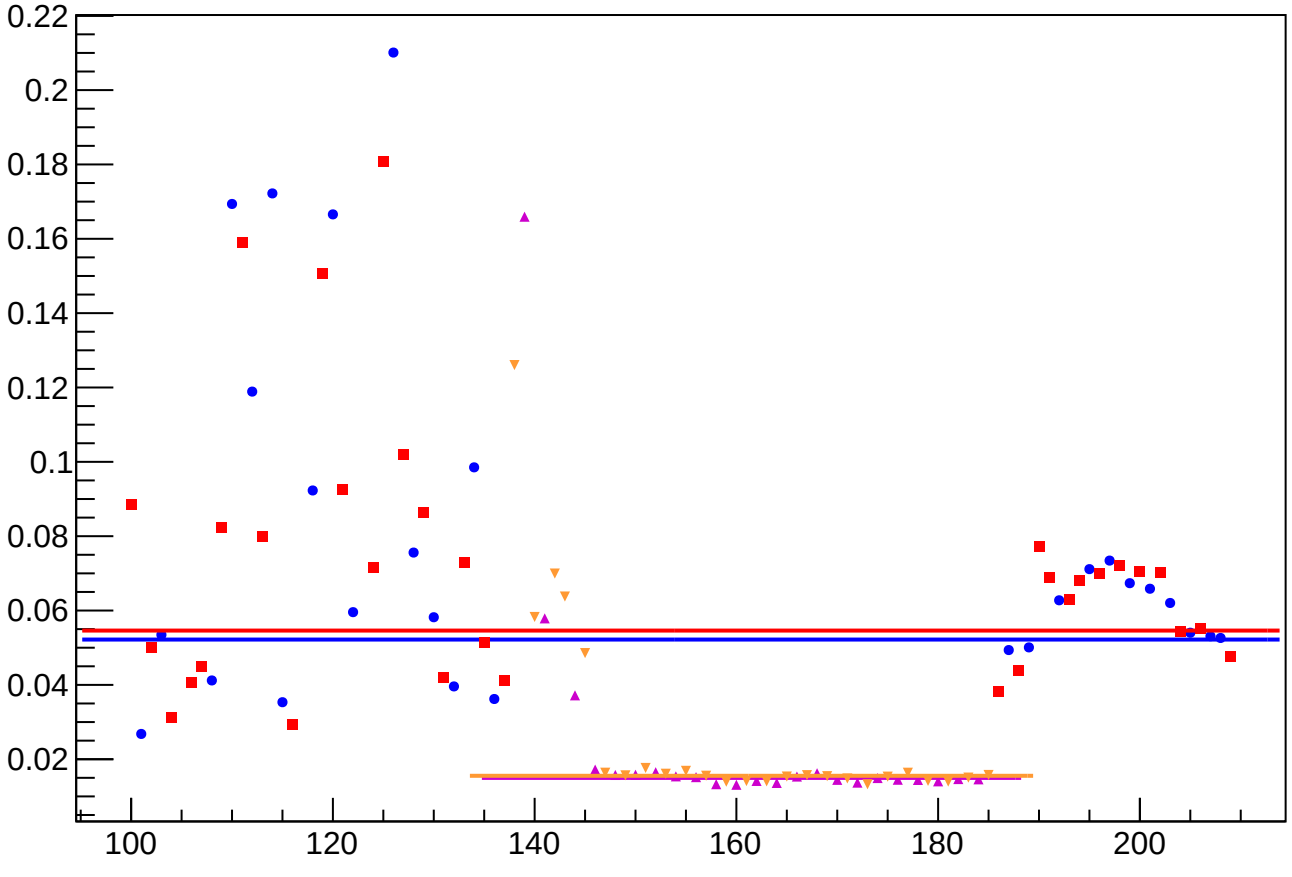
Right: -0.887+/-0.000 χ^2/NDF: 18090566158.1/58

In: 1.278+/-0.000 χ^2/NDF:97533663937.7/49

Out: 1.350+/-0.000 χ^2/NDF:101391167312.5/56

All: 1.314+/-0.000 χ^2/NDF: 199099461545.5

yield_bpm1X_rms vs Slug, Sign Corrected



Right In: 0.052+/-0.000 χ^2/NDF: 3553767.2/26

Left Out: 0.016+/-0.000 χ^2/NDF:2984313.0/24

Right Out: 0.055+/-0.000 χ^2/NDF: 3180411.4/31

Left In: 0.015+/-0.000 χ^2/NDF:2182916.7/22

Left: 0.015+/-0.000 χ^2/NDF: 5187209.1/47

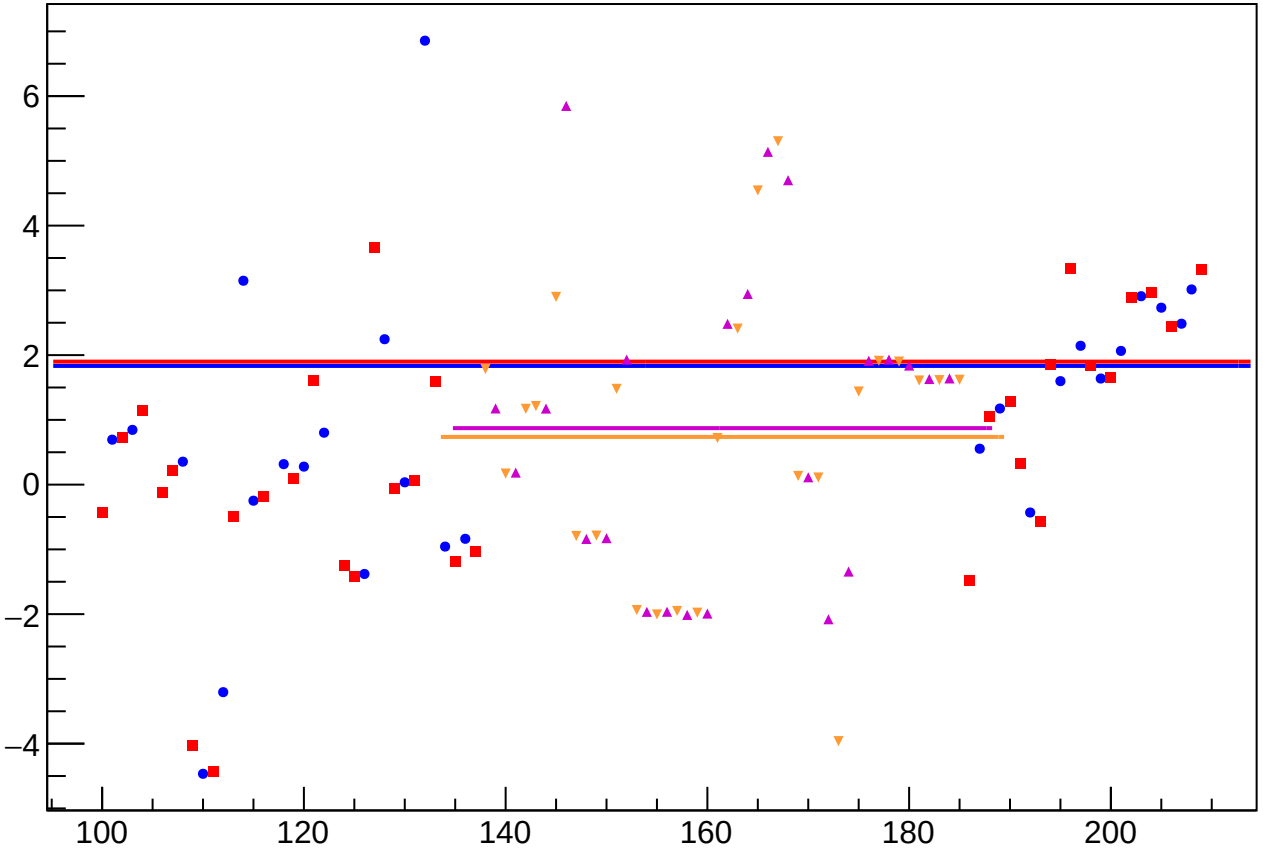
Right: 0.053+/-0.000 χ^2/NDF: 6759490.3/58

In: 0.017+/-0.000 χ^2/NDF:16705443.9/49

Out: 0.018+/-0.000 χ^2/NDF:18780557.1/56

All: 0.018+/-0.000 χ^2/NDF: 35534754.9/106

yield_bpm1Y_mean vs Slug, Sign Corrected



Right In: 1.833+/-0.000 χ^2/NDF: 38703790279.6/26

Left Out: 0.737+/-0.000 χ^2/NDF:535962480112.3/24

Right Out: 1.900+/-0.000 χ^2/NDF: 44539367796.7/31

Left In: 0.872+/-0.000 χ^2/NDF:620161319368.2/22

Left: 0.804+/-0.000 χ^2/NDF: 1157039374771.8/47

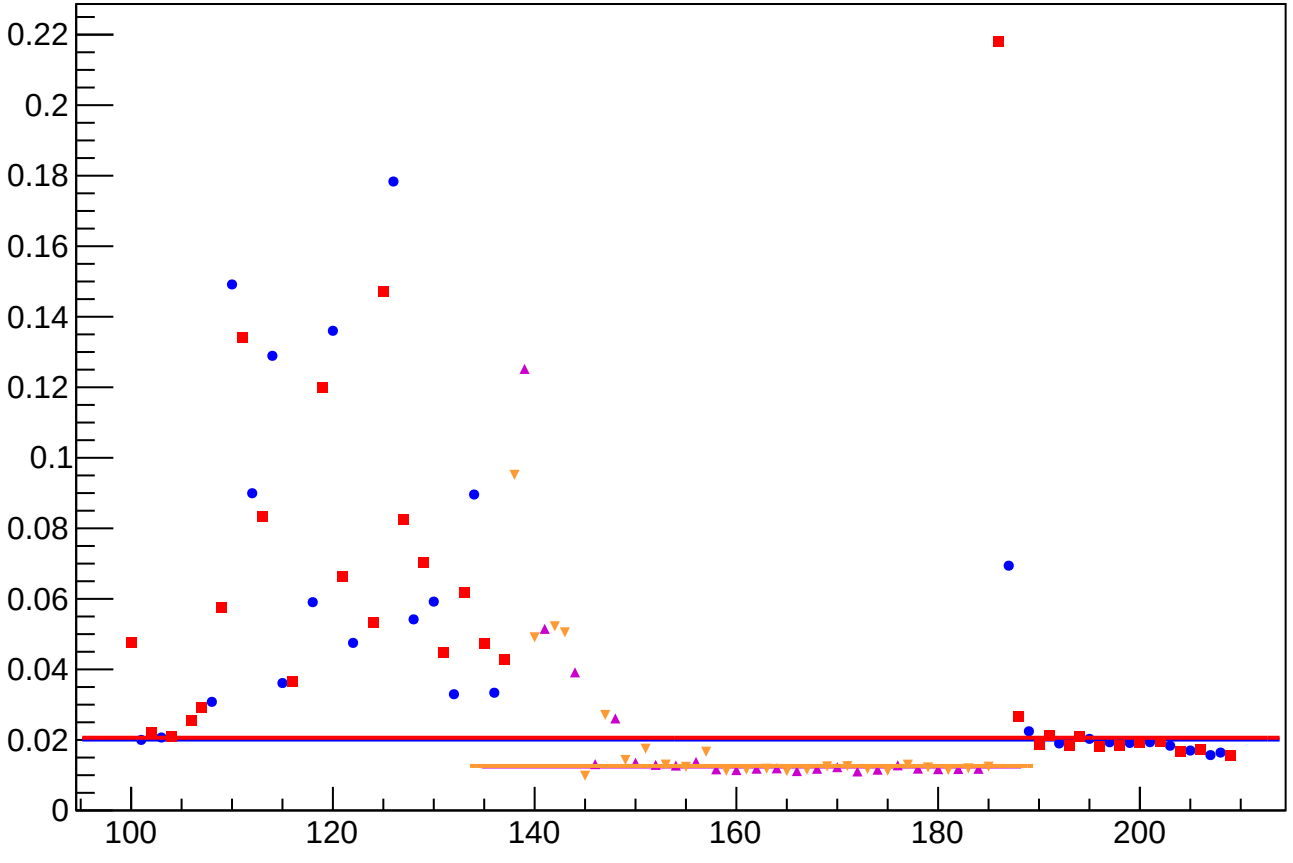
Right: 1.867+/-0.000 χ^2/NDF: 83302153086.6/58

In: 1.072+/-0.000 χ^2/NDF:677849437862.0/49

Out: 0.987+/-0.000 χ^2/NDF:609458580579.2/56

All: 1.029+/-0.000 χ^2/NDF: 1287756998974.

yield_bpm1Y_rms vs Slug, Sign Corrected



Right In: 0.020+/-0.000 χ^2/NDF: 4394798.7/26

Left Out: 0.013+/-0.000 χ^2/NDF:3191407.4/24

Right Out: 0.021+/-0.000 χ^2/NDF: 5494301.8/31

Left In: 0.012+/-0.000 χ^2/NDF:2756702.2/22

Left: 0.013+/-0.000 χ^2/NDF: 5950839.9/47

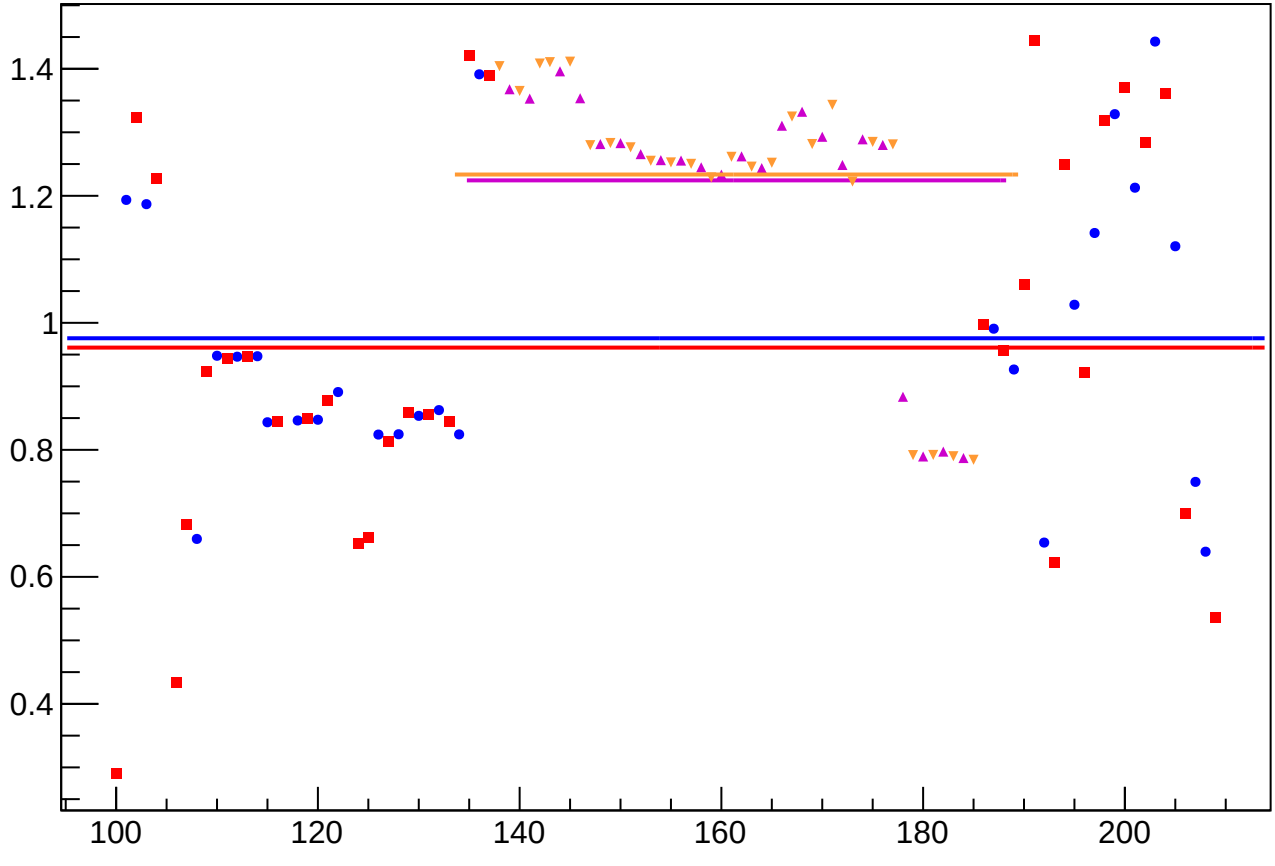
Right: 0.020+/-0.000 χ^2/NDF: 9896109.7/58

In: 0.014+/-0.000 χ^2/NDF:9558901.1/49

Out: 0.014+/-0.000 χ^2/NDF:11423179.1/56

All: 0.014+/-0.000 χ^2/NDF: 20993582.0/106

yield_bpm11X_mean vs Slug, Sign Corrected



Right In: 0.976+/-0.000 χ^2/NDF: 1971512295.7/26

Left Out: 1.234+/-0.000 χ^2/NDF:3043934887.1/24

Right Out: 0.961+/-0.000 χ^2/NDF: 2427867939.4/31

Left In: 1.224+/-0.000 χ^2/NDF:2653773297.1/22

Left: 1.229+/-0.000 χ^2/NDF: 5701436778.1/47

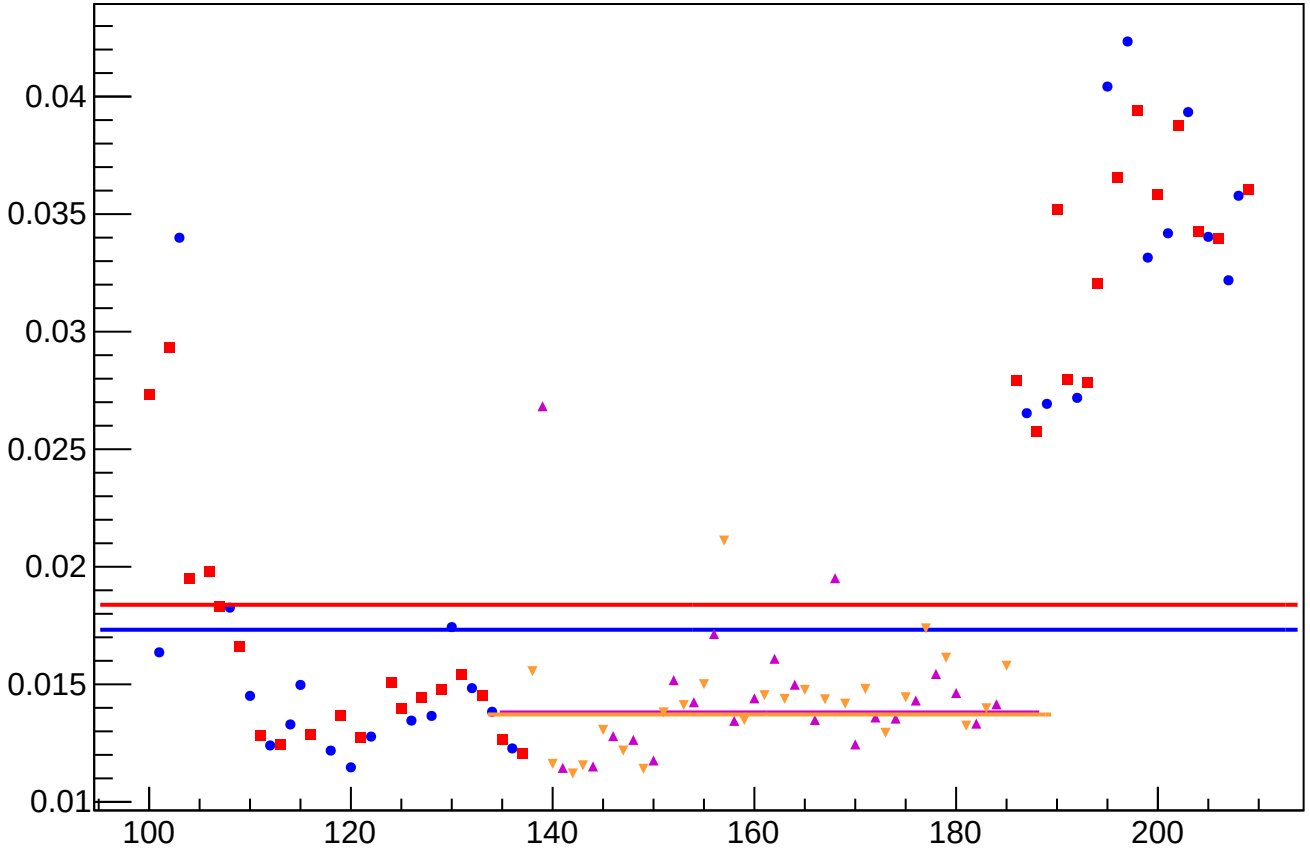
Right: 0.968+/-0.000 χ^2/NDF: 4403629919.4/58

In: 1.146+/-0.000 χ^2/NDF:6293472044.3/49

Out: 1.151+/-0.000 χ^2/NDF:7495989593.6/56

All: 1.148+/-0.000 χ^2/NDF: 13791437351.1/1

yield_bpm11X_rms vs Slug, Sign Corrected



Right In: 0.017+/-0.000 χ^2/NDF: 5230958.0/26

Left Out: 0.014+/-0.000 χ^2/NDF:550789.3/24

Right Out: 0.018+/-0.000 χ^2/NDF: 5122702.3/31

Left In: 0.014+/-0.000 χ^2/NDF:870104.2/22

Left: 0.014+/-0.000 χ^2/NDF: 1421553.5/47

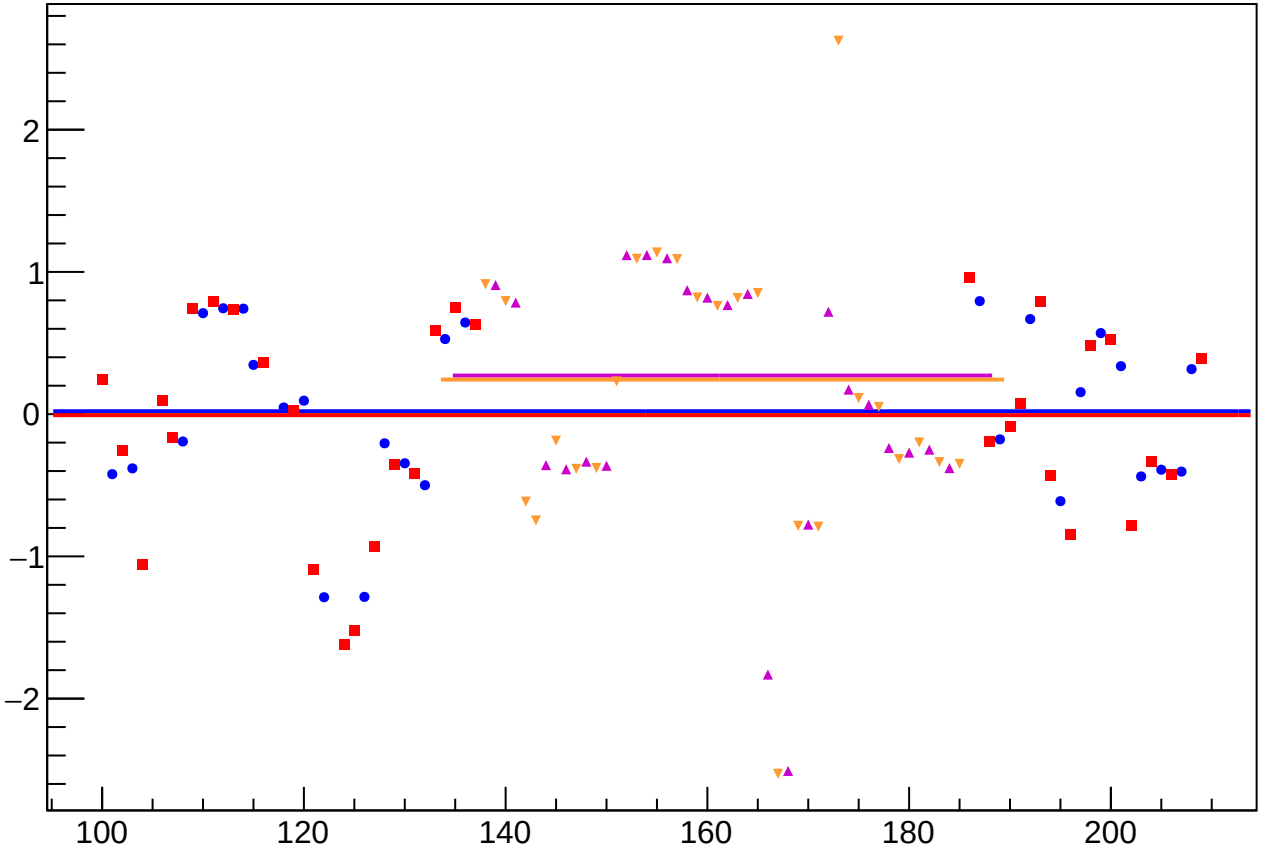
Right: 0.018+/-0.000 χ^2/NDF: 10397929.7/58

In: 0.015+/-0.000 χ^2/NDF:6768948.6/49

Out: 0.015+/-0.000 χ^2/NDF:6860003.8/56

All: 0.015+/-0.000 χ^2/NDF: 13634527.9/106

yield_bpm11Y_mean vs Slug, Sign Corrected



Right In: 0.020+/-0.000 χ^2/NDF: 24786479371.2/26

Left Out: 0.243+/-0.000 χ^2/NDF:105591710525.9/24

Right Out: -0.007+/-0.000 χ^2/NDF: 35927908984.3/31

Left In: 0.271+/-0.000 χ^2/NDF:90500933388.6/22

Left: 0.257+/-0.000 χ^2/NDF: 196139241247.8/47

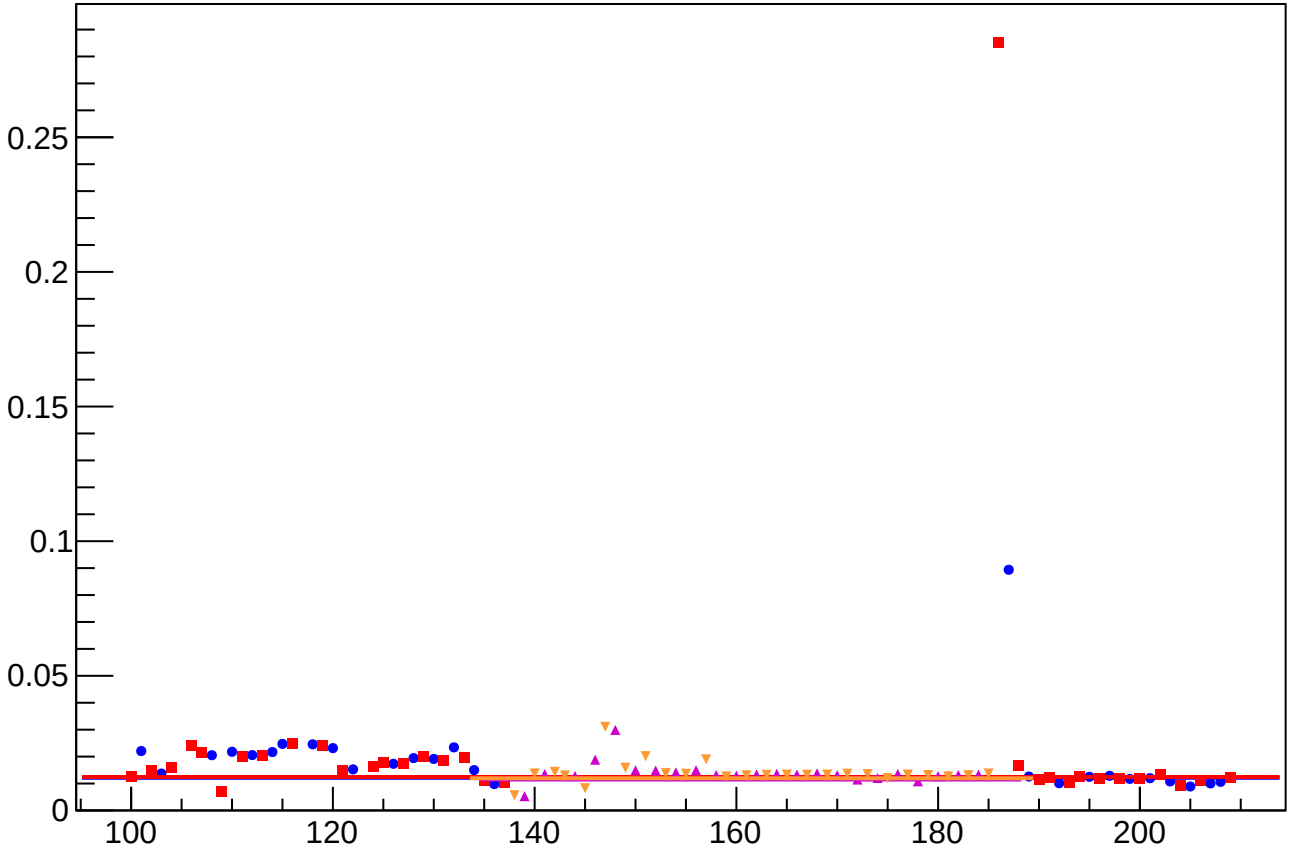
Right: 0.006+/-0.000 χ^2/NDF: 60747638689.3/58

In: 0.164+/-0.000 χ^2/NDF:118480580970.8/49

Out: 0.135+/-0.000 χ^2/NDF:144719749008.6/56

All: 0.149+/-0.000 χ^2/NDF: 263287184078.4

yield_bpm11Y_rms vs Slug, Sign Corrected



Right In: 0.012+/-0.000 χ^2/NDF: 2538790.8/26

Left Out: 0.012+/-0.000 χ^2/NDF:3266034.8/24

Right Out: 0.012+/-0.000 χ^2/NDF: 2884706.4/31

Left In: 0.011+/-0.000 χ^2/NDF:3671096.5/22

Left: 0.012+/-0.000 χ^2/NDF: 6962181.1/47

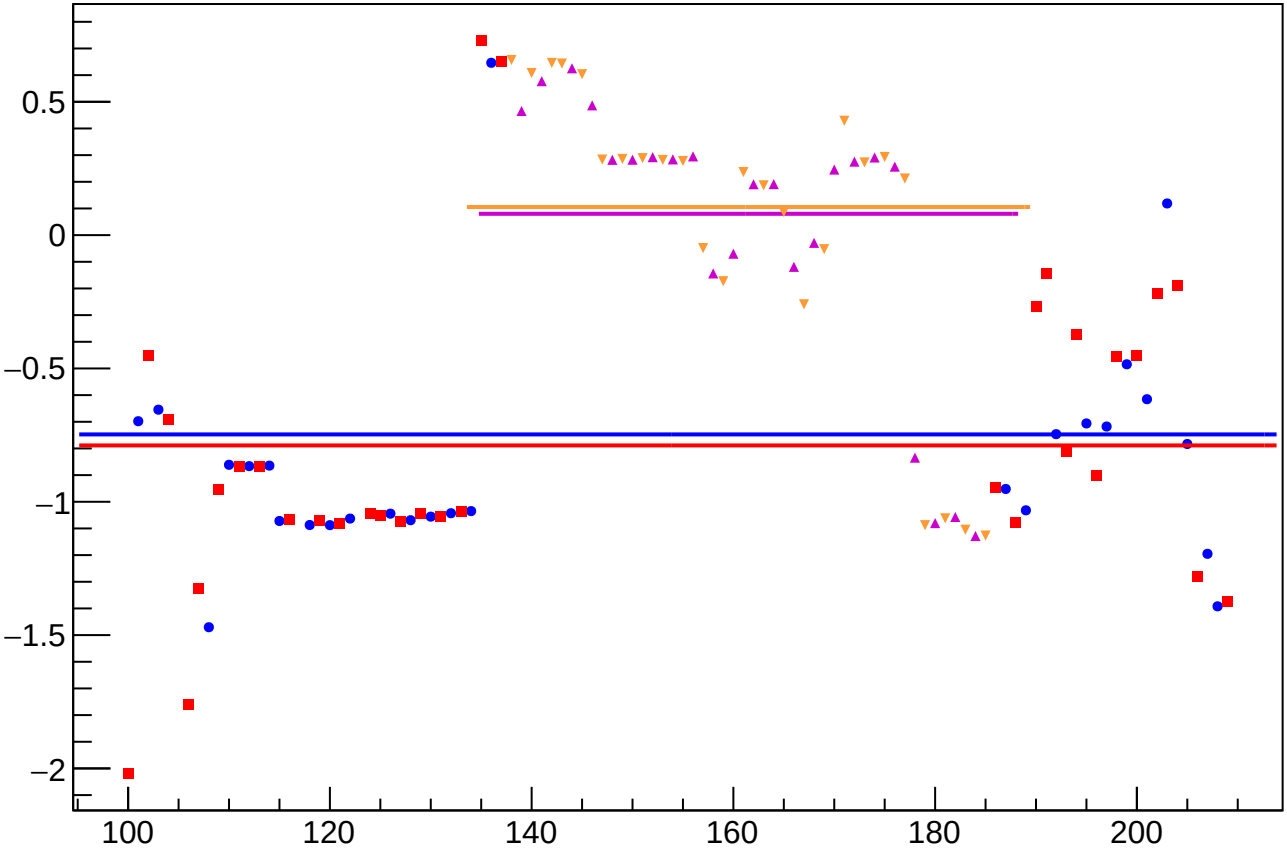
Right: 0.012+/-0.000 χ^2/NDF: 5430448.7/58

In: 0.012+/-0.000 χ^2/NDF:6251970.9/49

Out: 0.012+/-0.000 χ^2/NDF:6172581.1/56

All: 0.012+/-0.000 χ^2/NDF: 12455282.2/106

yield_bpm12X_mean vs Slug, Sign Corrected



Right In: -0.747+/-0.000 χ^2/NDF: 2238255598.3/26

Left Out: 0.105+/-0.000 χ^2/NDF:3787188881.7/24

Right Out: -0.789+/-0.000 χ^2/NDF: 2147353800.7/31

Left In: 0.080+/-0.000 χ^2/NDF:3269598614.0/22

Left: 0.093+/-0.000 χ^2/NDF: 7060999344.9/47

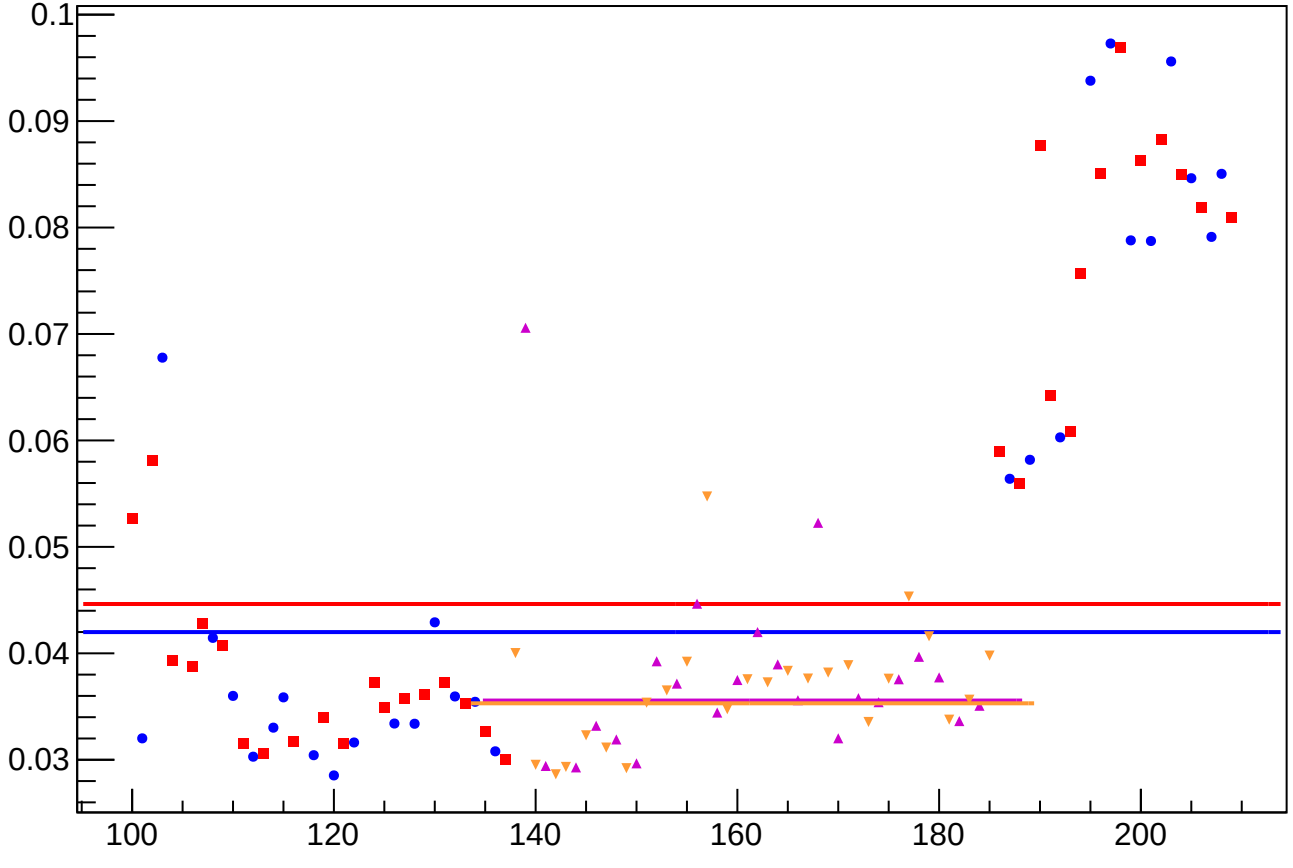
Right: -0.768+/-0.000 χ^2/NDF: 4391453410.3/58

In: -0.211+/-0.000 χ^2/NDF:8570201882.4/49

Out: -0.195+/-0.000 χ^2/NDF:9552895717.5/56

All: -0.203+/-0.000 χ^2/NDF: 18125765396.7/

yield_bpm12X_rms vs Slug, Sign Corrected



Right In: 0.042+/-0.000 χ^2/NDF: 4860838.3/26

Left Out: 0.035+/-0.000 χ^2/NDF:612627.1/24

Right Out: 0.045+/-0.000 χ^2/NDF: 4574811.4/31

Left In: 0.036+/-0.000 χ^2/NDF:960383.5/22

Left: 0.035+/-0.000 χ^2/NDF: 1573892.0/47

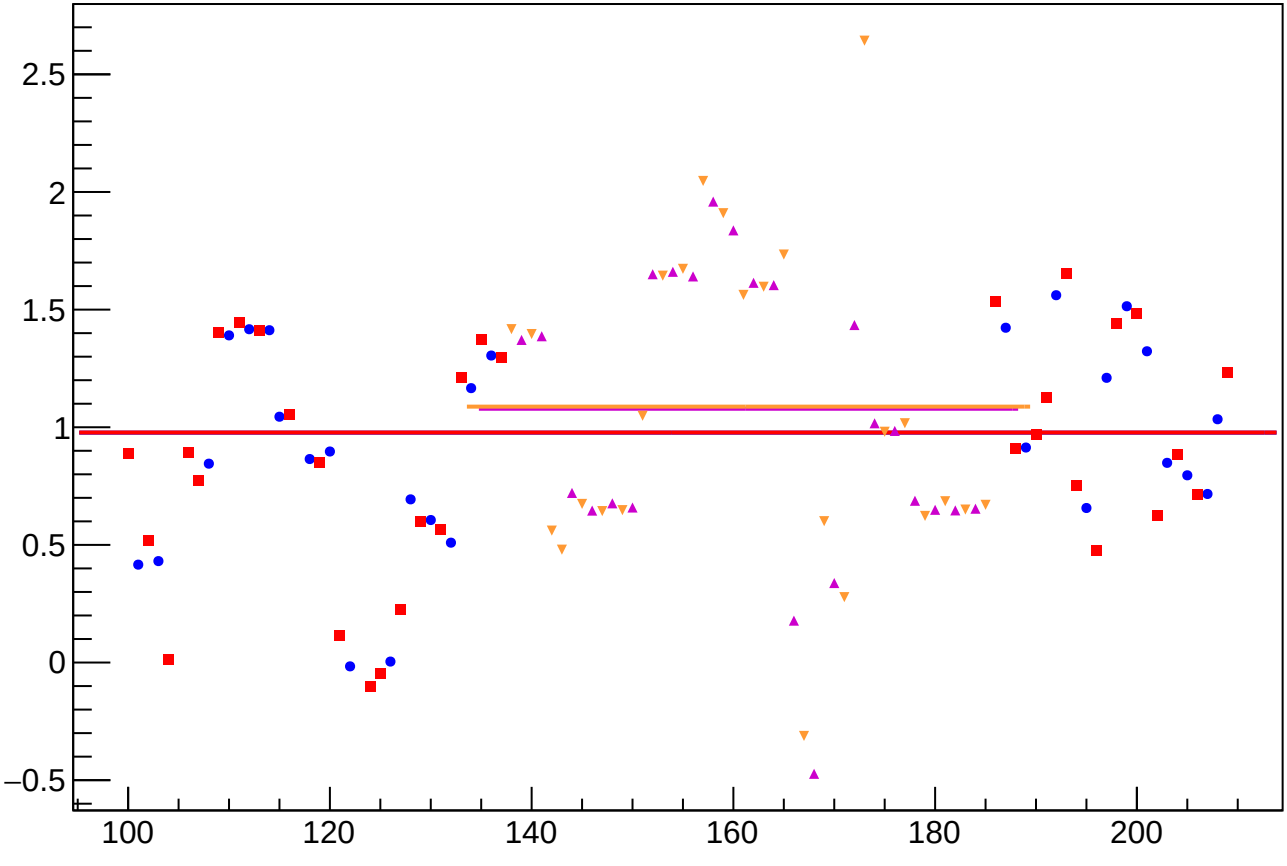
Right: 0.043+/-0.000 χ^2/NDF: 9483353.5/58

In: 0.038+/-0.000 χ^2/NDF:6191429.6/49

Out: 0.038+/-0.000 χ^2/NDF:5975542.2/56

All: 0.038+/-0.000 χ^2/NDF: 12174369.2/106

yield_bpm12Y_mean vs Slug, Sign Corrected



Right In: 0.977+/-0.000 χ^2/NDF: 29182272512.5/26

Left Out: 1.088+/-0.000 χ^2/NDF:93851056436.3/24

Right Out: 0.978+/-0.000 χ^2/NDF: 38223428013.6/31

Left In: 1.079+/-0.000 χ^2/NDF:74081002727.0/22

Left: 1.083+/-0.000 χ^2/NDF: 167940854654.3/47

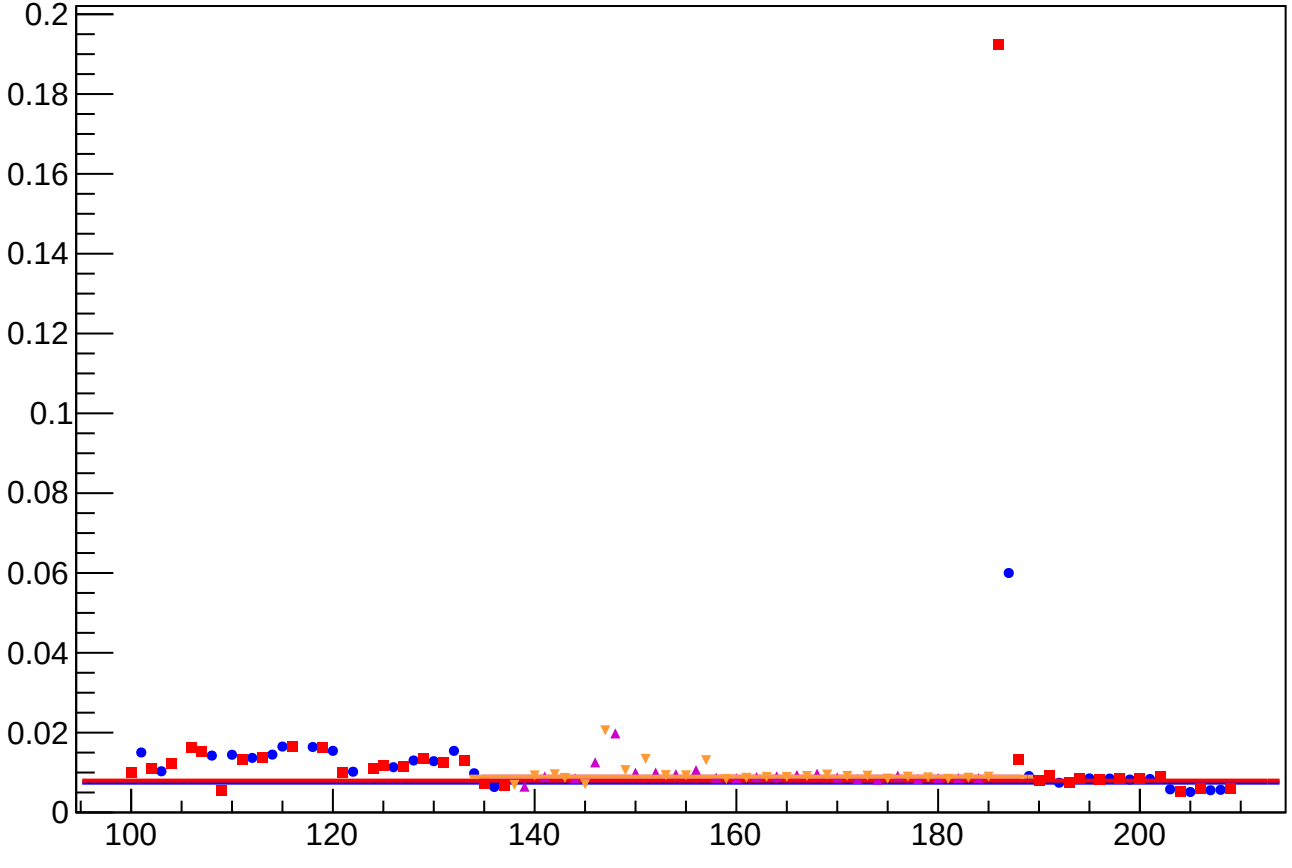
Right: 0.977+/-0.000 χ^2/NDF: 67405744779.9/58

In: 1.026+/-0.000 χ^2/NDF:104408089486.0/49

Out: 1.033+/-0.000 χ^2/NDF:133420653157.2/56

All: 1.029+/-0.000 χ^2/NDF: 237841517532.7

yield_bpm12Y_rms vs Slug, Sign Corrected



Right In: 0.007+/-0.000 χ^2/NDF: 3500818.4/26

Left Out: 0.009+/-0.000 χ^2/NDF:1146497.6/24

Right Out: 0.008+/-0.000 χ^2/NDF: 3640830.9/31

Left In: 0.009+/-0.000 χ^2/NDF:966765.2/22

Left: 0.009+/-0.000 χ^2/NDF: 2113402.8/47

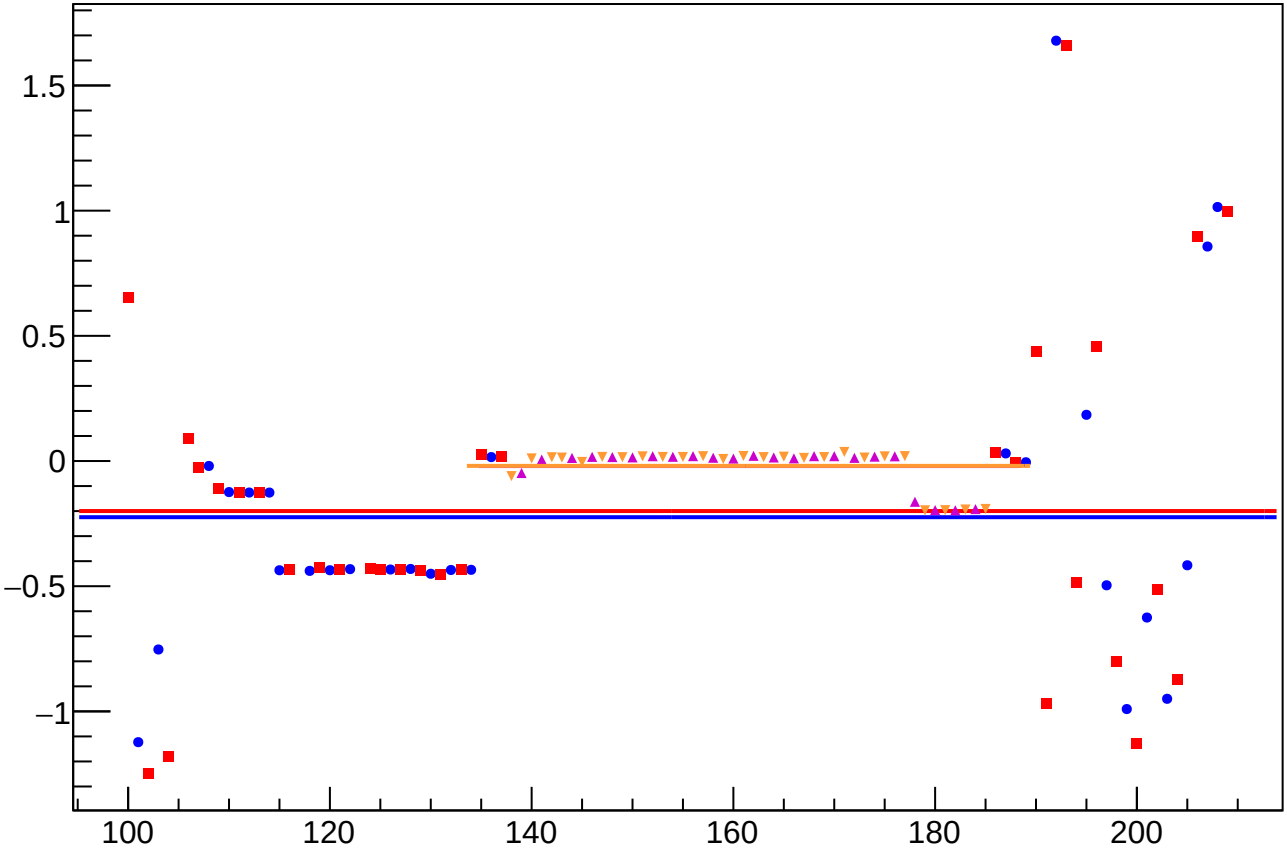
Right: 0.008+/-0.000 χ^2/NDF: 7201166.2/58

In: 0.008+/-0.000 χ^2/NDF:4953560.5/49

Out: 0.008+/-0.000 χ^2/NDF:5006863.5/56

All: 0.008+/-0.000 χ^2/NDF: 10002325.7/106

yield_bpm16X_mean vs Slug, Sign Corrected



Right In: -0.224+/-0.000 χ^2/NDF: 4408857336.0/26

Left Out: -0.019+/-0.000 χ^2/NDF:1058597672.8/24

Right Out: -0.200+/-0.000 χ^2/NDF: 4266515918.5/31

Left In: -0.020+/-0.000 χ^2/NDF:984483299.5/22

Left: -0.020+/-0.000 χ^2/NDF: 2043130063.5/47

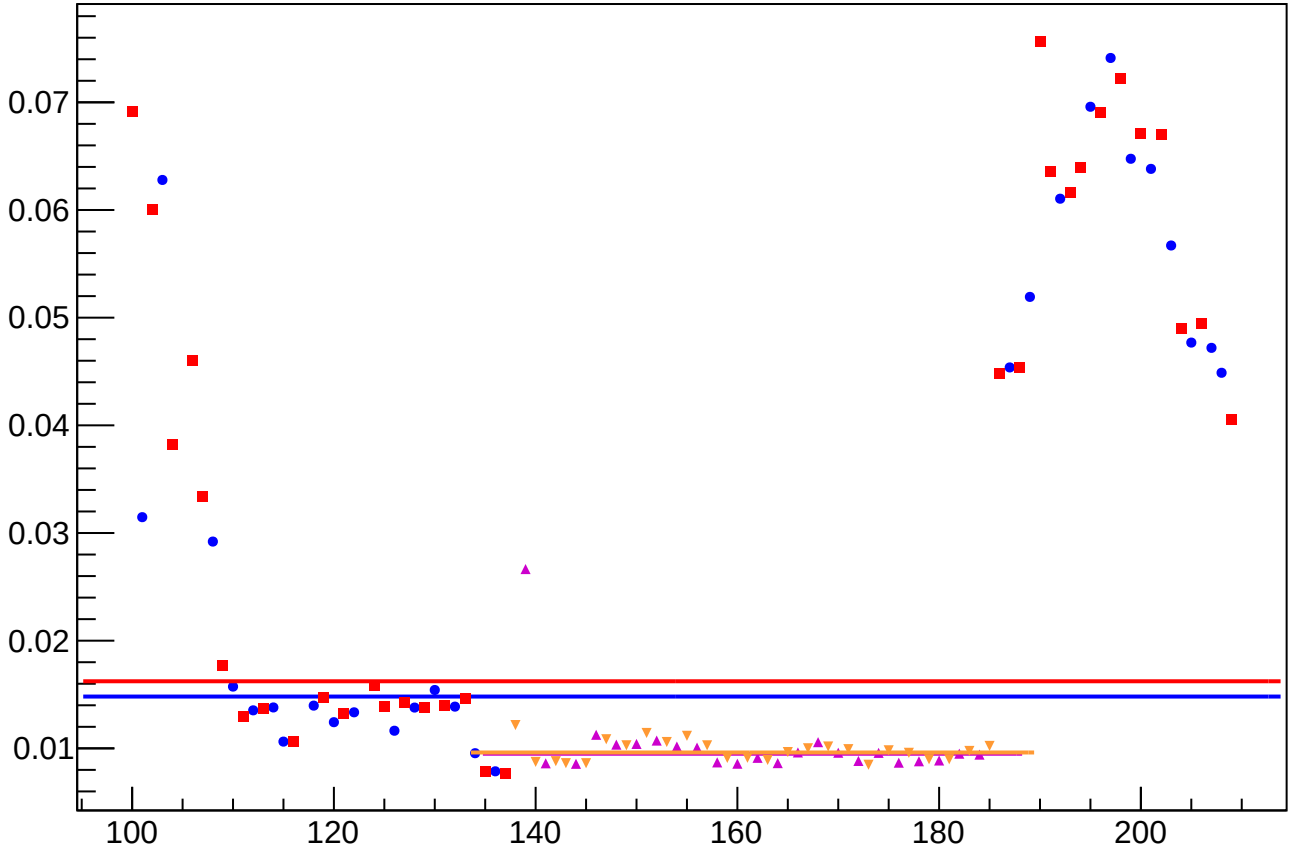
Right: -0.213+/-0.000 χ^2/NDF: 8686350782.9/58

In: -0.058+/-0.000 χ^2/NDF:6691584051.3/49

Out: -0.049+/-0.000 χ^2/NDF:6273415556.2/56

All: -0.053+/-0.000 χ^2/NDF: 12973093145.1/

yield_bpm16X_rms vs Slug, Sign Corrected



Right In: 0.015+/-0.000 χ^2/NDF: 11503332.4/26

Left Out: 0.010+/-0.000 χ^2/NDF:271912.7/24

Right Out: 0.016+/-0.000 χ^2/NDF: 12623091.7/31

Left In: 0.009+/-0.000 χ^2/NDF:900469.0/22

Left: 0.010+/-0.000 χ^2/NDF: 1174797.3/47

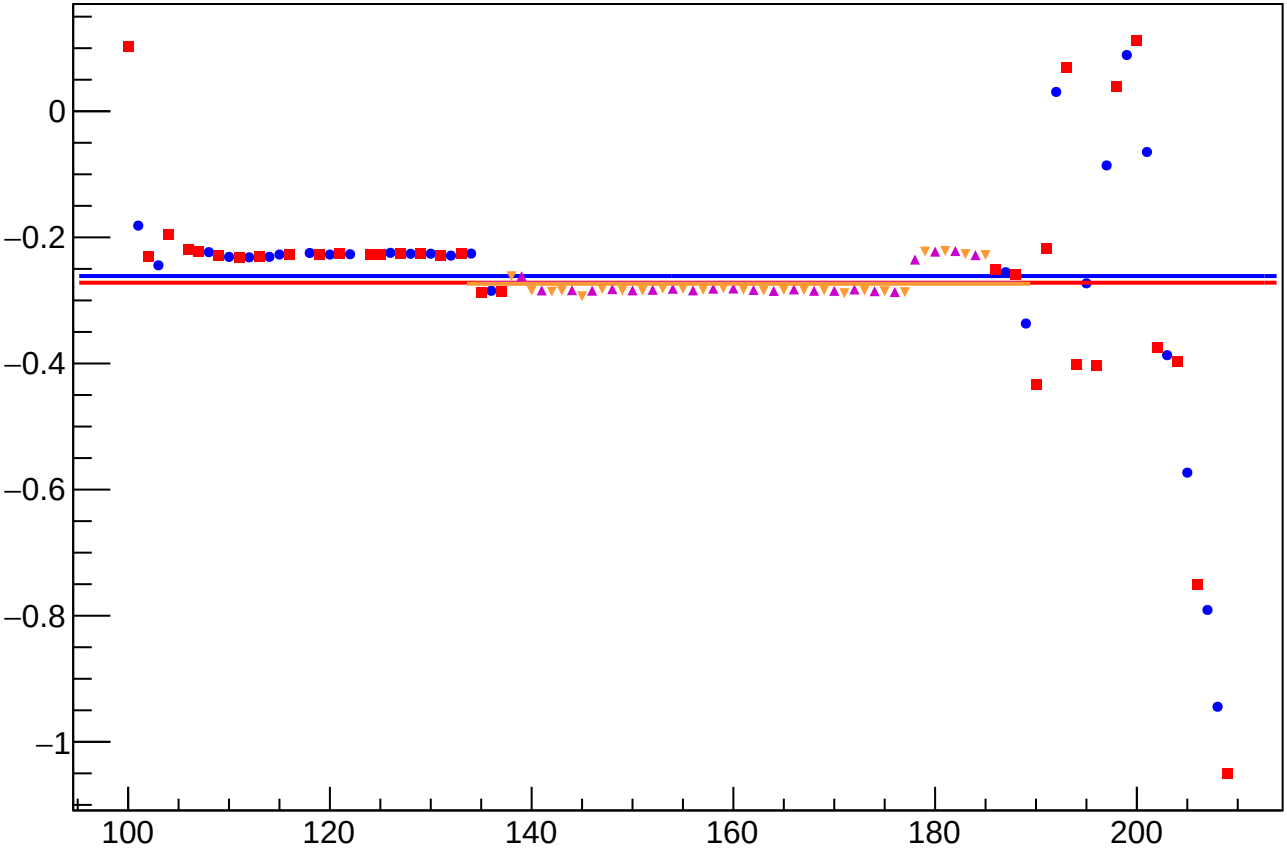
Right: 0.015+/-0.000 χ^2/NDF: 24199794.7/58

In: 0.010+/-0.000 χ^2/NDF:14160508.3/49

Out: 0.011+/-0.000 χ^2/NDF:15442913.9/56

All: 0.011+/-0.000 χ^2/NDF: 29613963.9/106

yield_bpm16Y_mean vs Slug, Sign Corrected



Right In: -0.261+/-0.000 χ^2/NDF: 24342635149.0/26

Left Out: -0.274+/-0.000 χ^2/NDF:395563277.1/24

Right Out: -0.272+/-0.000 χ^2/NDF: 26090752937.5/31

Left In: -0.273+/-0.000 χ^2/NDF:335149425.2/22

Left: -0.273+/-0.000 χ^2/NDF: 730998387.7/47

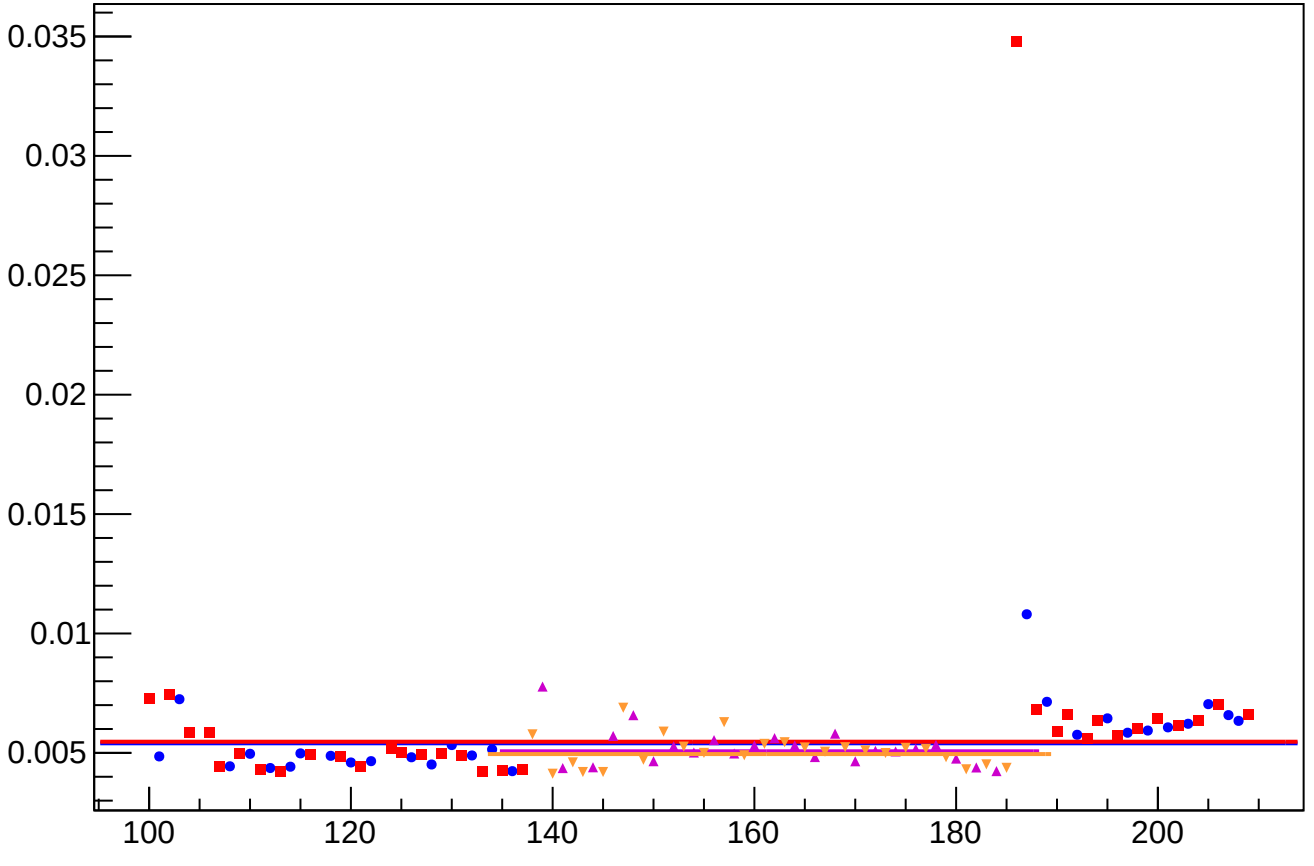
Right: -0.267+/-0.000 χ^2/NDF: 50461210956.2/58

In: -0.268+/-0.000 χ^2/NDF:24713649678.7/49

Out: -0.273+/-0.000 χ^2/NDF:26487140162.9/56

All: -0.270+/-0.000 χ^2/NDF: 51215740962.8/

yield_bpm16Y_rms vs Slug, Sign Corrected



Right In: 0.005+/-0.000 χ^2/NDF: 867992.7/26

Left Out: 0.005+/-0.000 χ^2/NDF:528766.8/24

Right Out: 0.005+/-0.000 χ^2/NDF: 1465421.3/31

Left In: 0.005+/-0.000 χ^2/NDF:539392.8/22

Left: 0.005+/-0.000 χ^2/NDF: 1077679.9/47

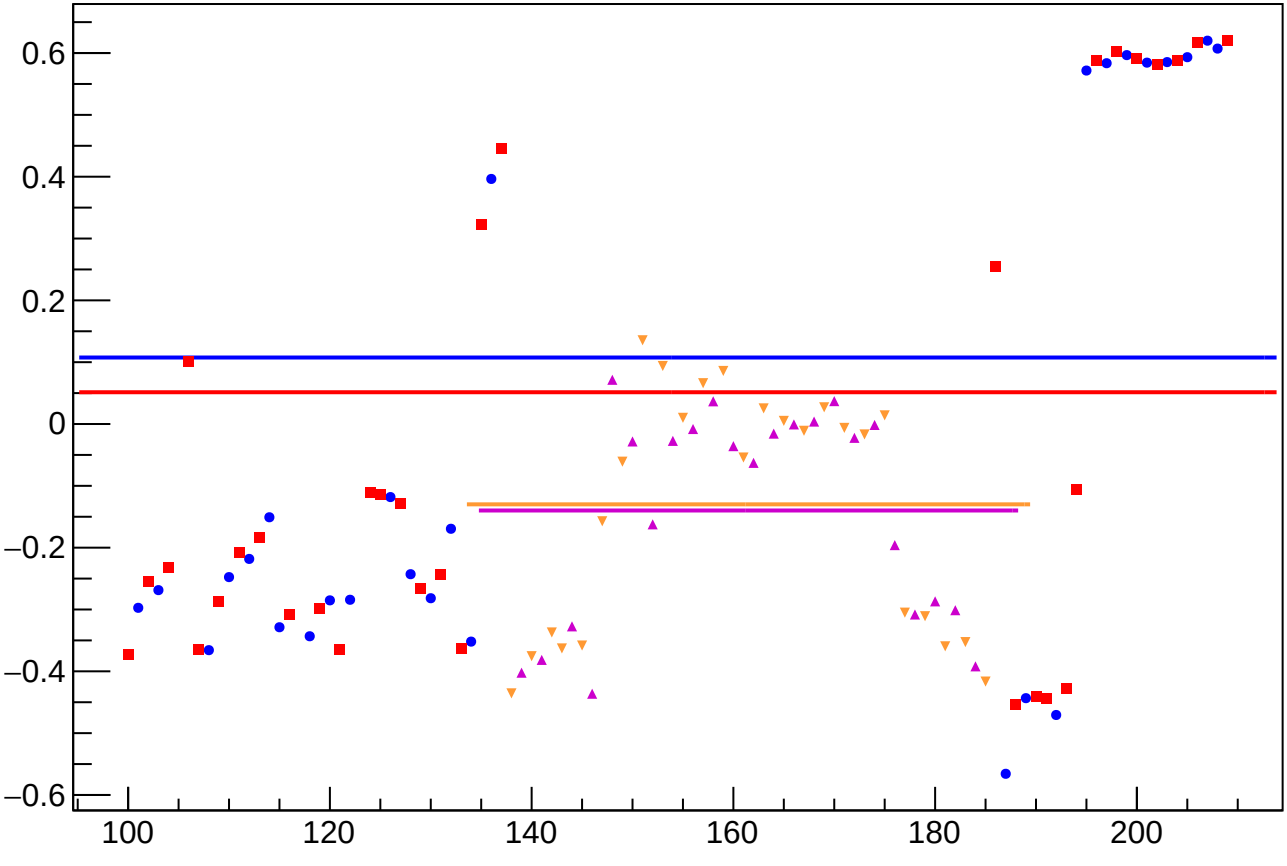
Right: 0.005+/-0.000 χ^2/NDF: 2335595.4/58

In: 0.005+/-0.000 χ^2/NDF:1470704.3/49

Out: 0.005+/-0.000 χ^2/NDF:2156792.4/56

All: 0.005+/-0.000 χ^2/NDF: 3629929.7/106

yield_bpm0i02X_mean vs Slug, Sign Corrected



Right In: 0.108+/-0.000 χ^2/NDF: 65184652037.3/26

Left Out: -0.130+/-0.000 χ^2/NDF:21496239338.5/24

Right Out: 0.051+/-0.000 χ^2/NDF: 65019611827.0/31

Left In: -0.140+/-0.000 χ^2/NDF:15148699439.4/22

Left: -0.135+/-0.000 χ^2/NDF: 36673480193.4/47

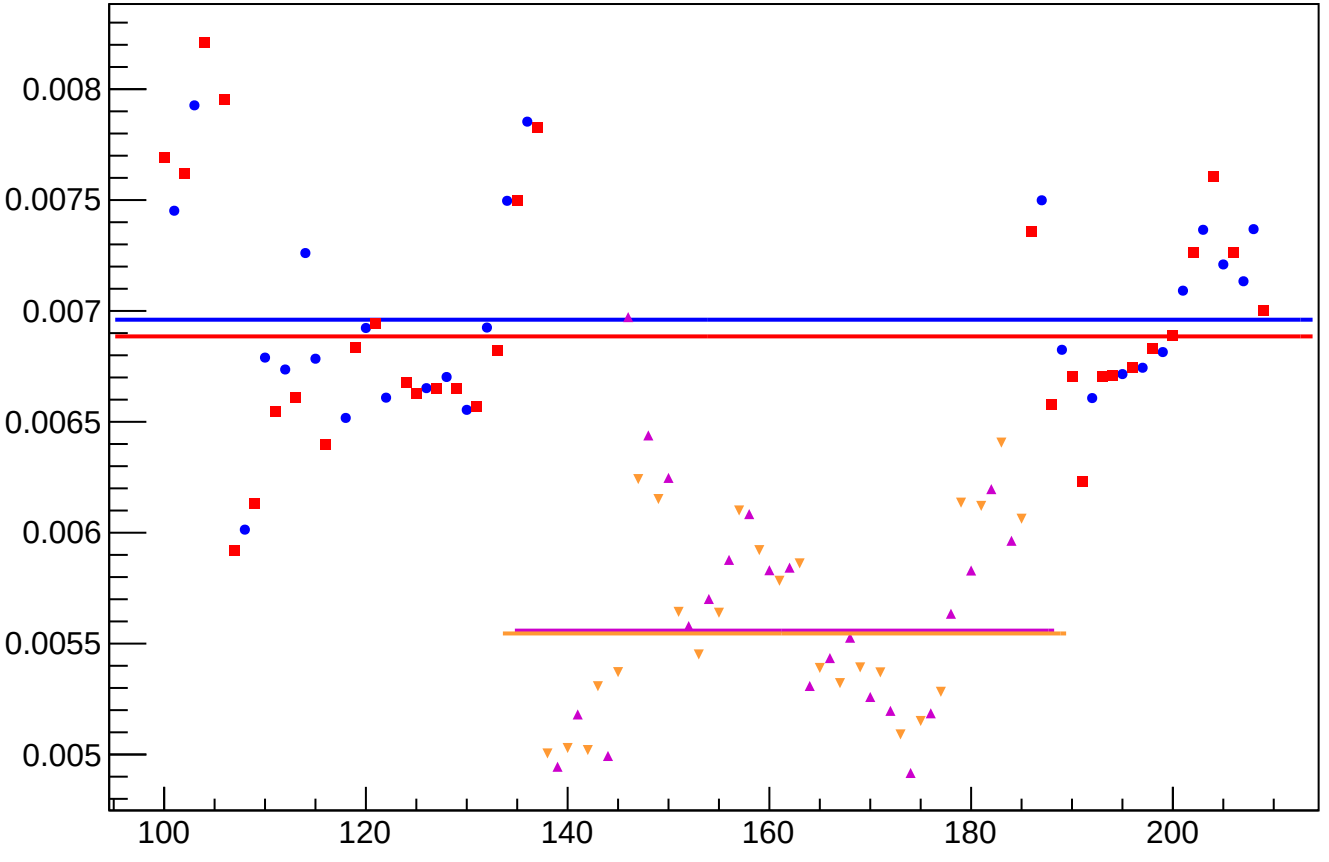
Right: 0.078+/-0.000 χ^2/NDF: 130736229041.1/58

In: -0.050+/-0.000 χ^2/NDF:92806101847.9/49

Out: -0.062+/-0.000 χ^2/NDF:93844405329.2/56

All: -0.056+/-0.000 χ^2/NDF: 186721600327.8

yield_bpm0i02X_rms vs Slug, Sign Corrected



Right In: 0.007+/-0.000 χ^2/NDF: 112002.4/26

Left Out: 0.006+/-0.000 χ^2/NDF:201874.8/24

Right Out: 0.007+/-0.000 χ^2/NDF: 142527.6/31

Left In: 0.006+/-0.000 χ^2/NDF:260994.3/22

Left: 0.006+/-0.000 χ^2/NDF: 462963.1/47

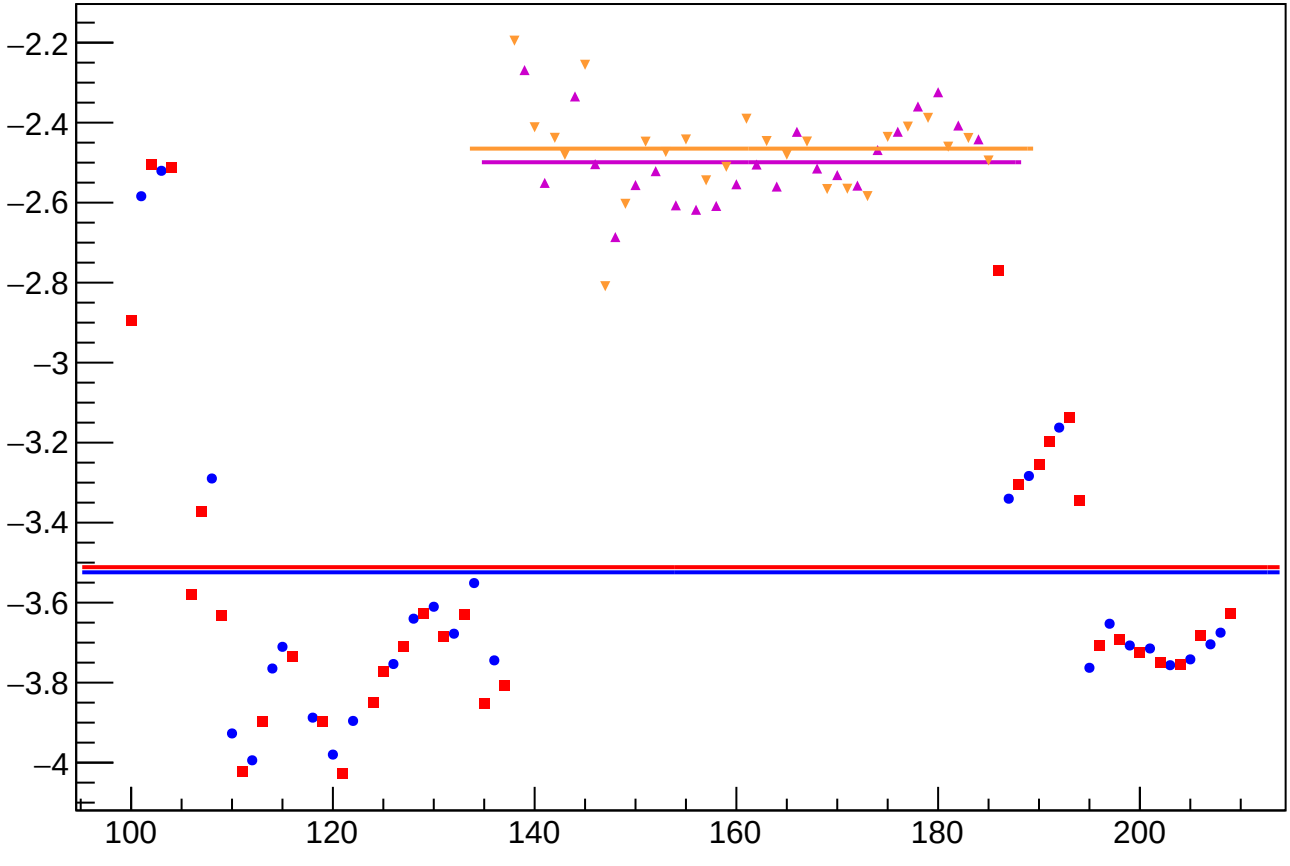
Right: 0.007+/-0.000 χ^2/NDF: 256440.8/58

In: 0.006+/-0.000 χ^2/NDF:1173865.8/49

Out: 0.006+/-0.000 χ^2/NDF:1144255.1/56

All: 0.006+/-0.000 χ^2/NDF: 2318611.3/106

yield_bpm0i02Y_mean vs Slug, Sign Corrected



Right In: -3.524+/-0.000 χ^2/NDF: 32809799546.8/26

Left Out: -2.465+/-0.000 χ^2/NDF:2167098053.0/24

Right Out: -3.511+/-0.000 χ^2/NDF: 34667111903.5/31

Left In: -2.499+/-0.000 χ^2/NDF:2273256162.3/22

Left: -2.482+/-0.000 χ^2/NDF: 4579764851.4/47

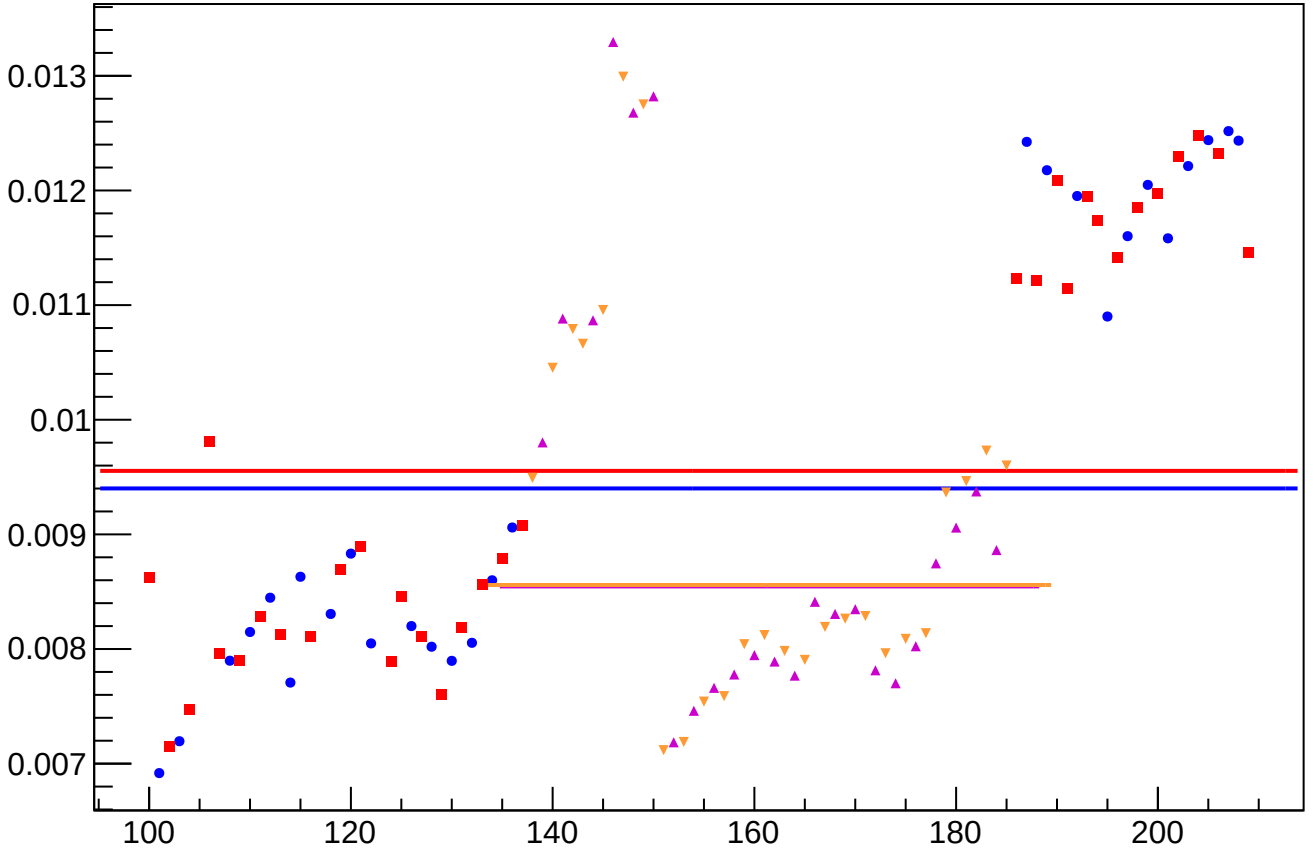
Right: -3.518+/-0.000 χ^2/NDF: 67491150084.1/58

In: -2.927+/-0.000 χ^2/NDF:137769794238.1/49

Out: -2.902+/-0.000 χ^2/NDF:149746348646.7/56

All: -2.914+/-0.000 χ^2/NDF: 287644976282.7

yield_bpm0i02Y_rms vs Slug, Sign Corrected



Right In: 0.009+/-0.000 χ^2/NDF: 1300956.1/26

Left Out: 0.009+/-0.000 χ^2/NDF:824029.0/24

Right Out: 0.010+/-0.000 χ^2/NDF: 1243582.5/31

Left In: 0.009+/-0.000 χ^2/NDF:910760.2/22

Left: 0.009+/-0.000 χ^2/NDF: 1734826.3/47

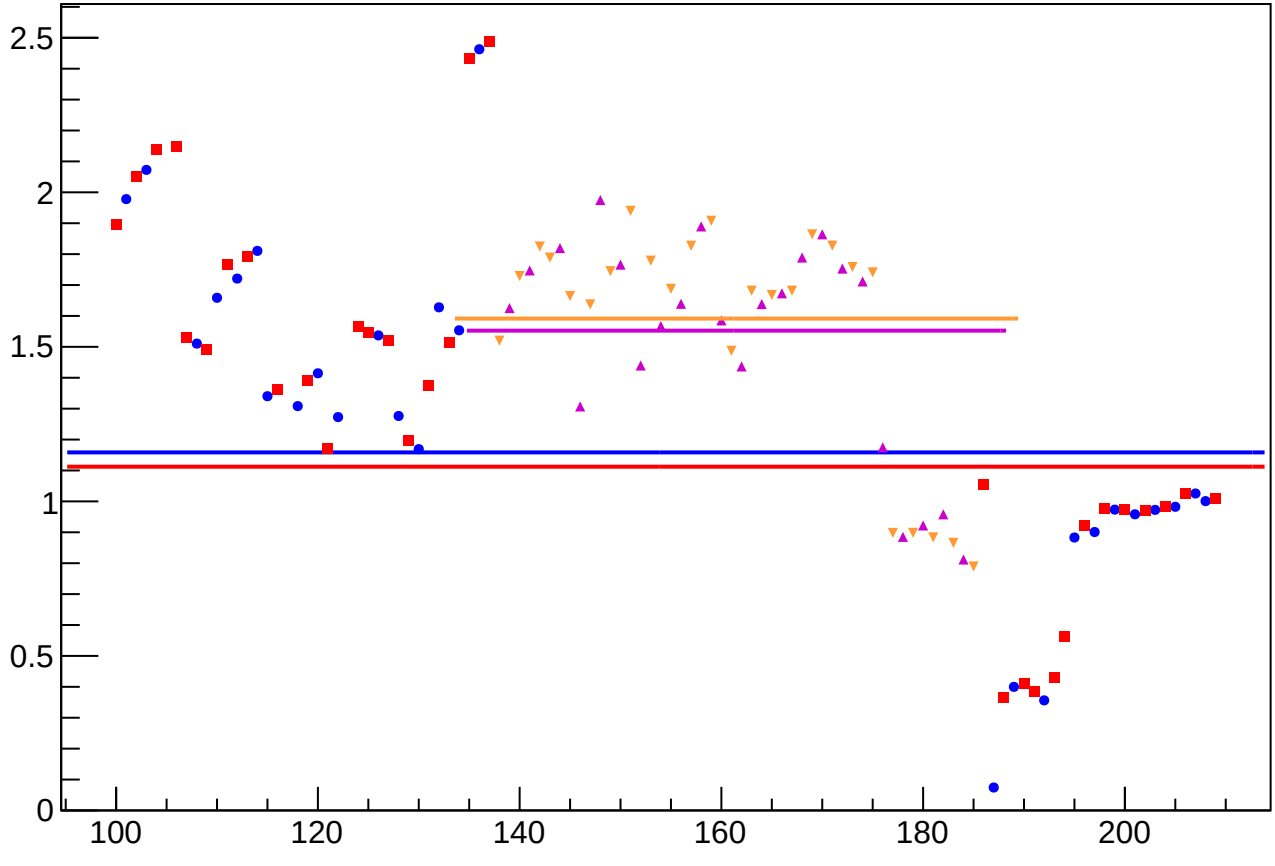
Right: 0.009+/-0.000 χ^2/NDF: 2548582.9/58

In: 0.009+/-0.000 χ^2/NDF:2354498.7/49

Out: 0.009+/-0.000 χ^2/NDF:2272034.6/56

All: 0.009+/-0.000 χ^2/NDF: 4628637.5/106

yield_bpm0i02aX_mean vs Slug, Sign Corrected



Right In: 1.158+/-0.000 χ^2/NDF: 29400380582.3/26

Left Out: 1.592+/-0.000 χ^2/NDF:17078853061.6/24

Right Out: 1.112+/-0.000 χ^2/NDF: 34431299542.4/31

Left In: 1.552+/-0.000 χ^2/NDF:14055987405.9/22

Left: 1.573+/-0.000 χ^2/NDF: 31243382500.9/47

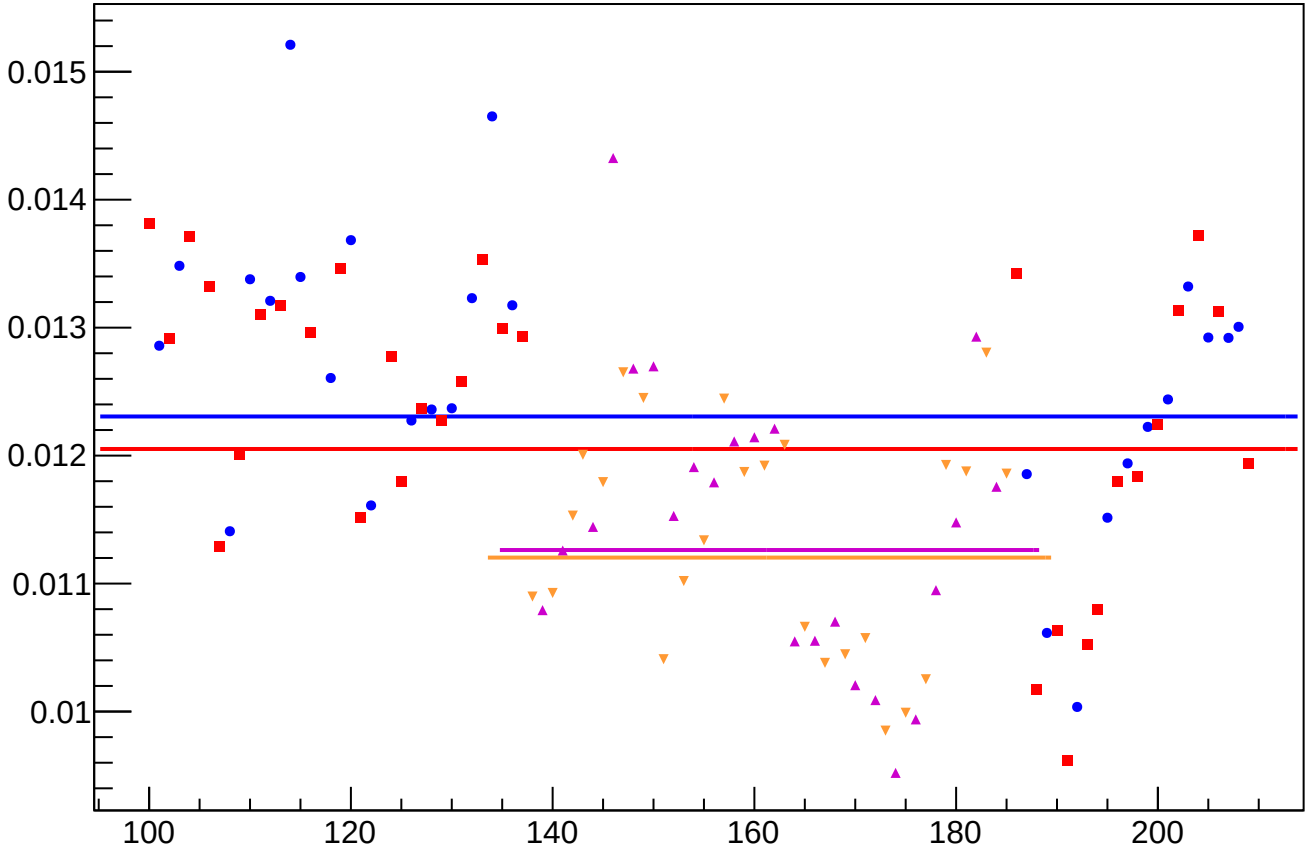
Right: 1.134+/-0.000 χ^2/NDF: 63946997859.5/58

In: 1.384+/-0.000 χ^2/NDF:52500870545.4/49

Out: 1.381+/-0.000 χ^2/NDF:66339464835.0/56

All: 1.383+/-0.000 χ^2/NDF: 118841589068.3

yield_bpm0i02aX_rms vs Slug, Sign Corrected



Right In: 0.012+/-0.000 χ^2/NDF: 234129.3/26

Left Out: 0.011+/-0.000 χ^2/NDF:223594.3/24

Right Out: 0.012+/-0.000 χ^2/NDF: 303901.9/31

Left In: 0.011+/-0.000 χ^2/NDF:311660.7/22

Left: 0.011+/-0.000 χ^2/NDF: 535750.7/47

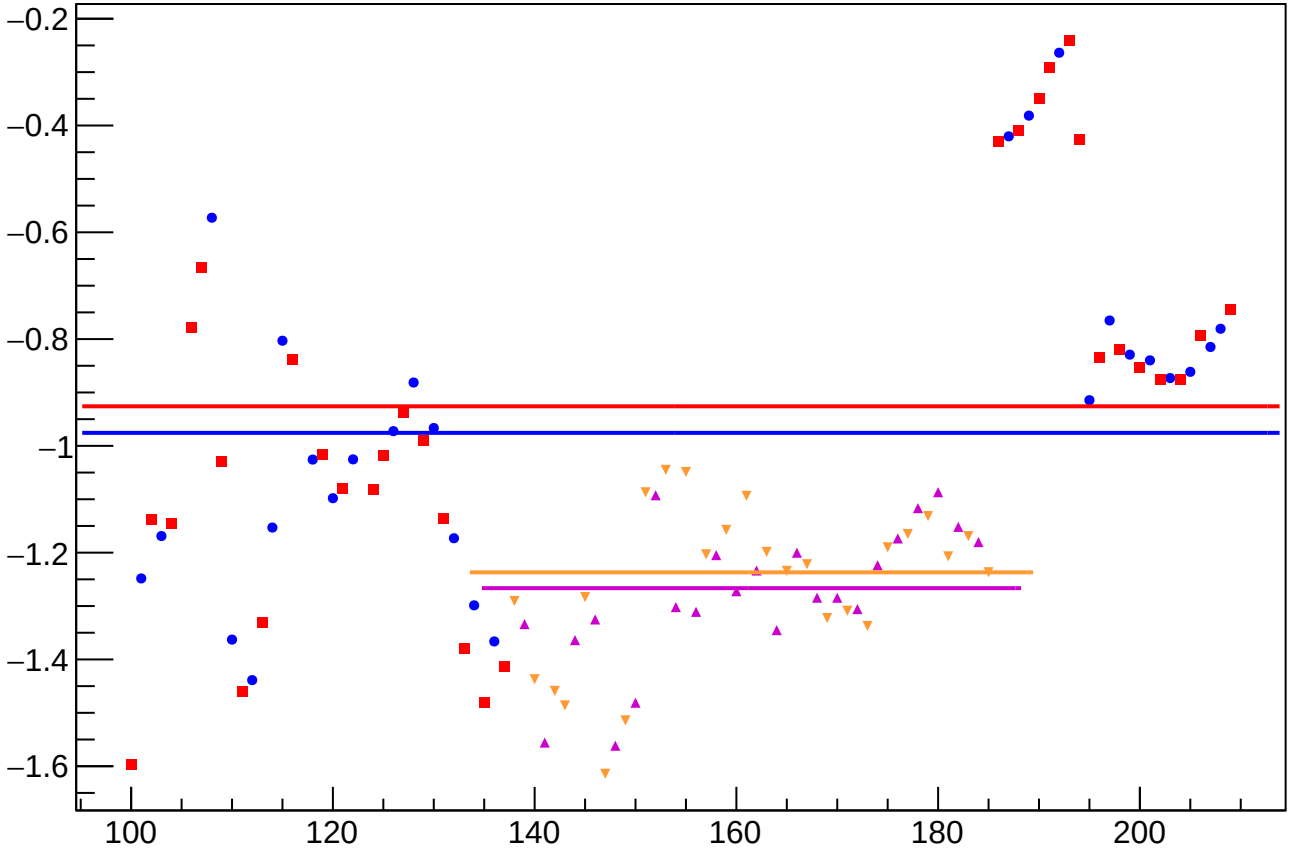
Right: 0.012+/-0.000 χ^2/NDF: 544994.1/58

In: 0.012+/-0.000 χ^2/NDF:672698.0/49

Out: 0.012+/-0.000 χ^2/NDF:620454.0/56

All: 0.012+/-0.000 χ^2/NDF: 1297489.6/106

yield_bpm0i02aY_mean vs Slug, Sign Corrected



Right In: -0.976+/-0.000 χ^2/NDF: 12119060826.4/26

Left Out: -1.237+/-0.000 χ^2/NDF:4972272024.7/24

Right Out: -0.926+/-0.000 χ^2/NDF: 16913962523.7/31

Left In: -1.267+/-0.000 χ^2/NDF:3674801511.3/22

Left: -1.251+/-0.000 χ^2/NDF: 8764581472.4/47

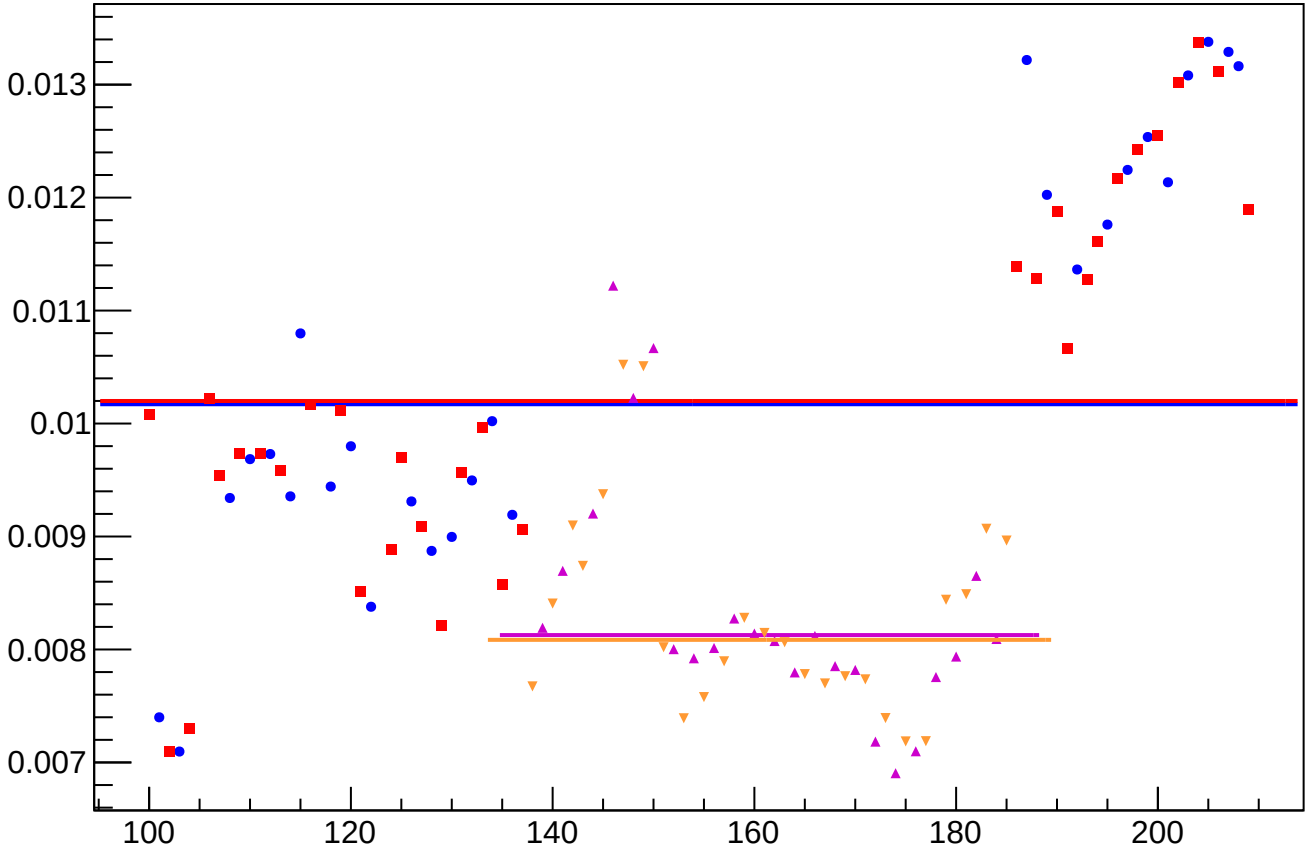
Right: -0.950+/-0.000 χ^2/NDF: 29216265397.6/58

In: -1.163+/-0.000 χ^2/NDF:23580417409.5/49

Out: -1.125+/-0.000 χ^2/NDF:31472520719.0/56

All: -1.144+/-0.000 χ^2/NDF: 55351501888.5/

yield_bpm0i02aY_rms vs Slug, Sign Corrected



Right In: 0.010+/-0.000 χ^2/NDF: 1124616.9/26

Left Out: 0.008+/-0.000 χ^2/NDF:326825.0/24

Right Out: 0.010+/-0.000 χ^2/NDF: 1091500.0/31

Left In: 0.008+/-0.000 χ^2/NDF:409030.0/22

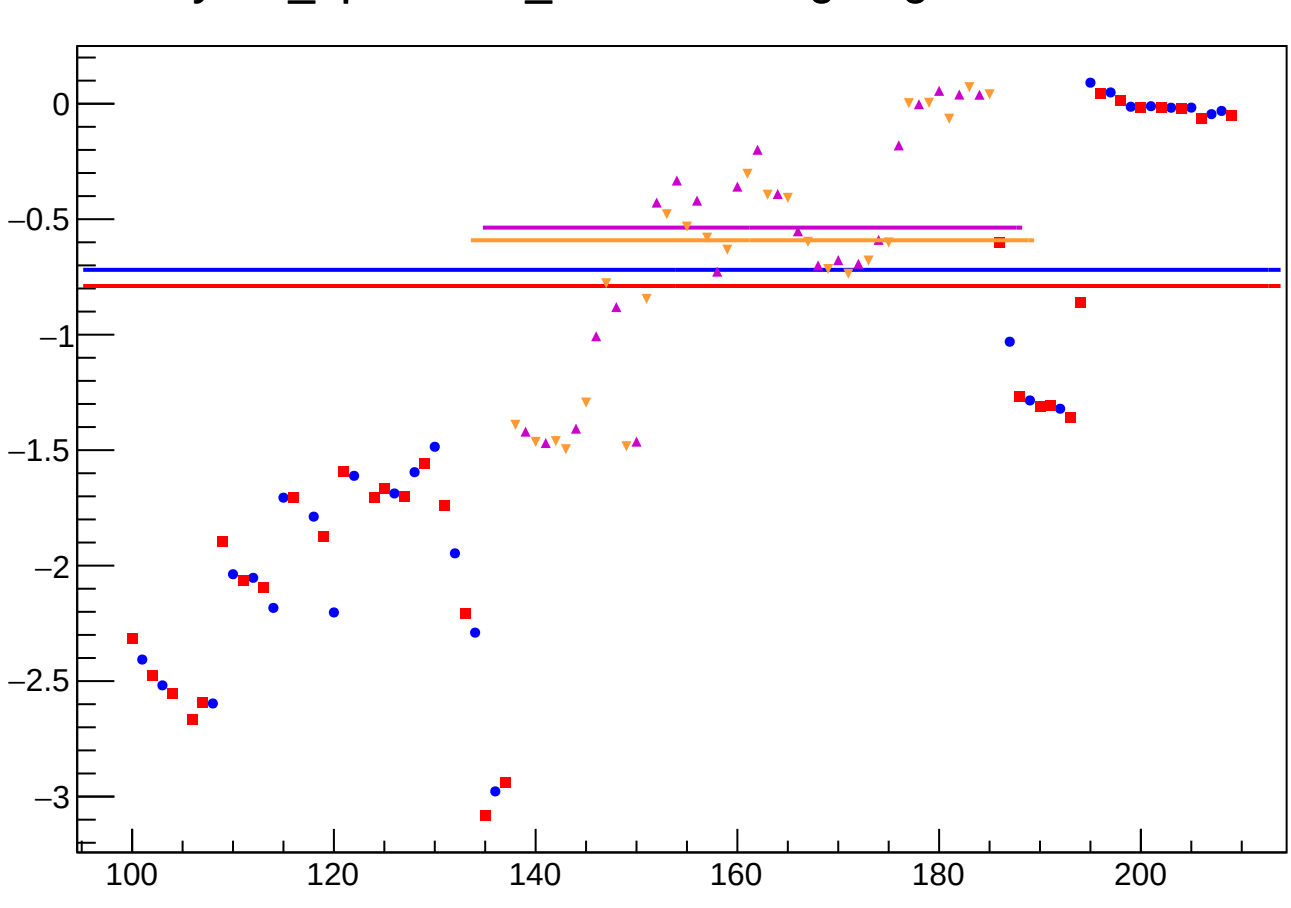
Left: 0.008+/-0.000 χ^2/NDF: 736335.1/47

Right: 0.010+/-0.000 χ^2/NDF: 2216239.5/58

In: 0.009+/-0.000 χ^2/NDF:2301936.5/49

Out: 0.009+/-0.000 χ^2/NDF:2304687.5/56

All: 0.009+/-0.000 χ^2/NDF: 4606660.9/106



Right In: -0.719+/-0.000 χ^2/NDF: 369333867654.3/26

Left Out: -0.591+/-0.000 χ^2/NDF:72678844667.5/24

Right Out: -0.789+/-0.000 χ^2/NDF: 394022829946.4/31

Left In: -0.536+/-0.000 χ^2/NDF:70168781562.6/22

Left: -0.564+/-0.000 χ^2/NDF: 143410113051.4/47

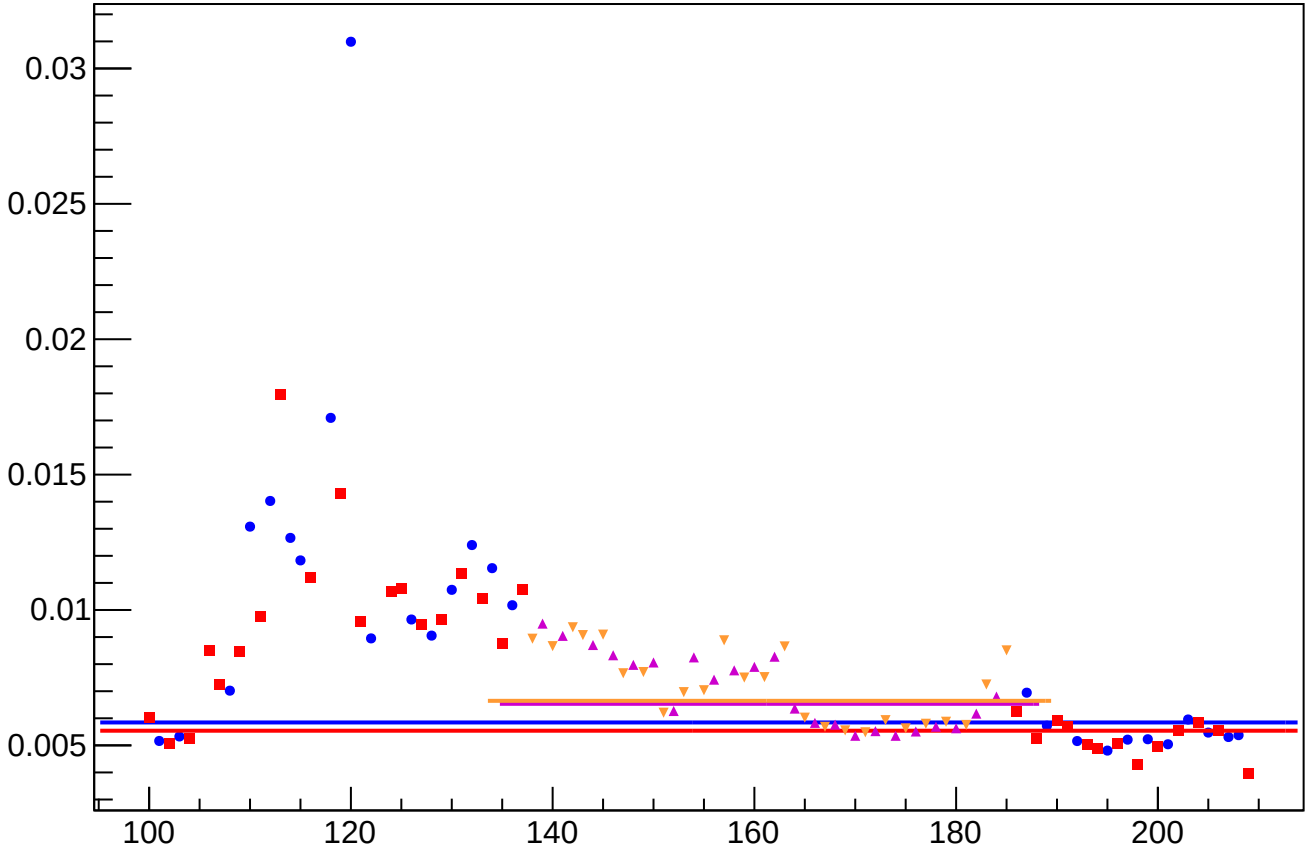
Right: -0.758+/-0.000 χ^2/NDF: 764358902847.3/58

In: -0.628+/-0.000 χ^2/NDF:445704867200.5/49

Out: -0.699+/-0.000 χ^2/NDF:474823617371.6/56

All: -0.666+/-0.000 χ^2/NDF: 922541295798.2

yield_bpm0i05X_rms vs Slug, Sign Corrected



Right In: 0.006+/-0.000 χ^2/NDF: 2506939.2/26

Left Out: 0.007+/-0.000 χ^2/NDF:1091920.0/24

Right Out: 0.006+/-0.000 χ^2/NDF: 2640131.2/31

Left In: 0.007+/-0.000 χ^2/NDF:1151126.7/22

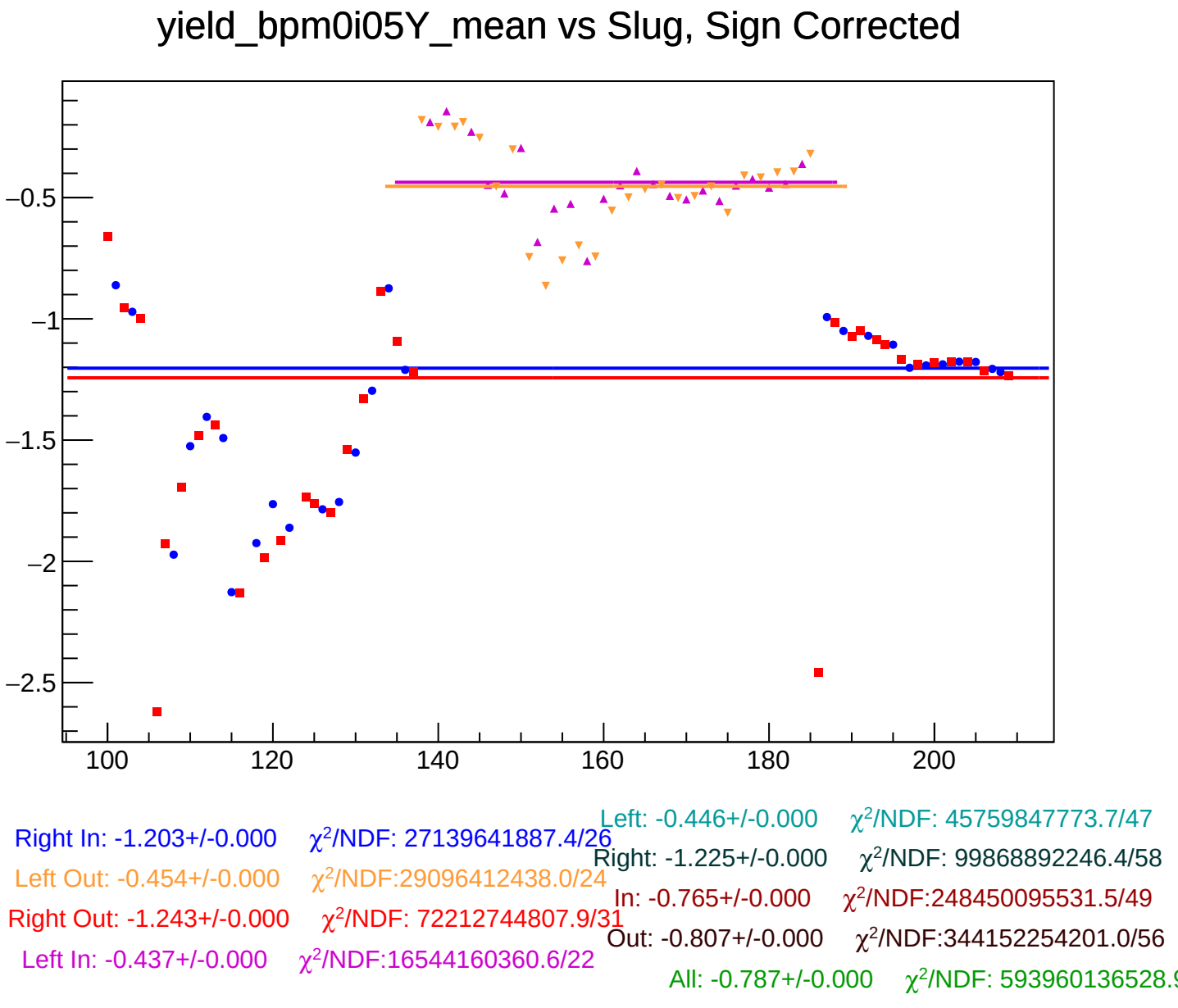
Left: 0.007+/-0.000 χ^2/NDF: 2247615.4/47

Right: 0.006+/-0.000 χ^2/NDF: 5185242.8/58

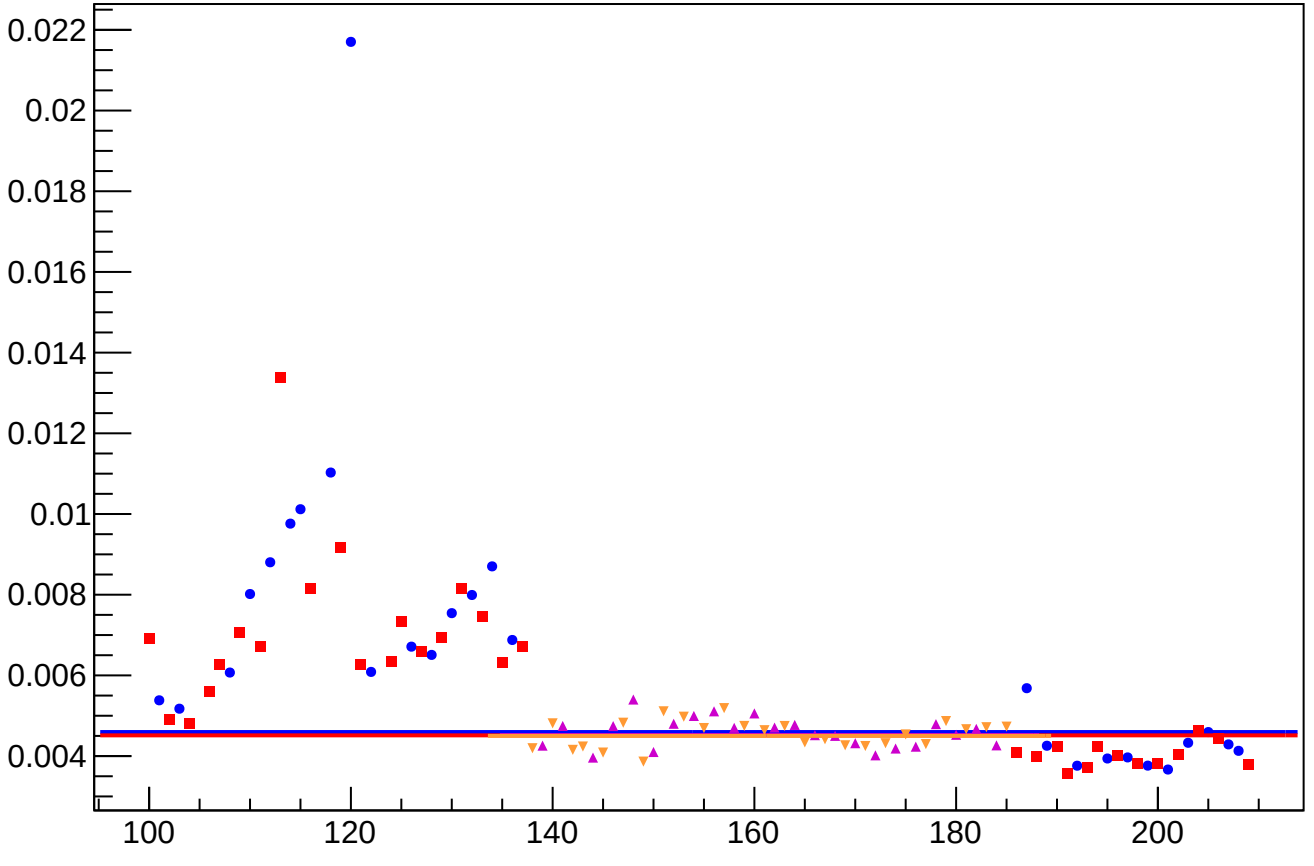
In: 0.006+/-0.000 χ^2/NDF:3833971.7/49

Out: 0.006+/-0.000 χ^2/NDF:4237126.6/56

All: 0.006+/-0.000 χ^2/NDF: 8088490.7/106


yield_bpm0i05Y_mean vs Slug, Sign Corrected
−0.5
−1
−1.5
−2
−2.5
100
120
140
160
180
200
Right In: -1.203+/-0.000 χ²/NDF: 27139641887.4/26
Left Out: -0.454+/-0.000 χ²/NDF:29096412438.0/24
Right Out: -1.243+/-0.000 χ²/NDF: 72212744807.9/31
Left In: -0.437+/-0.000 χ²/NDF:16544160360.6/22
Left: -0.446+/-0.000 χ²/NDF: 45759847773.7/47
Right: -1.225+/-0.000 χ²/NDF: 99868892246.4/58
In: -0.765+/-0.000 χ²/NDF:248450095531.5/49
Out: -0.807+/-0.000 χ²/NDF:344152254201.0/56
All: -0.787+/-0.000 χ²/NDF: 593960136528.9

yield_bpm0i05Y_rms vs Slug, Sign Corrected



Right In: 0.005+/-0.000 χ^2/NDF: 2176783.9/26

Left Out: 0.005+/-0.000 χ^2/NDF:189230.5/24

Right Out: 0.005+/-0.000 χ^2/NDF: 1909189.3/31

Left In: 0.005+/-0.000 χ^2/NDF:212056.7/22

Left: 0.005+/-0.000 χ^2/NDF: 401608.0/47

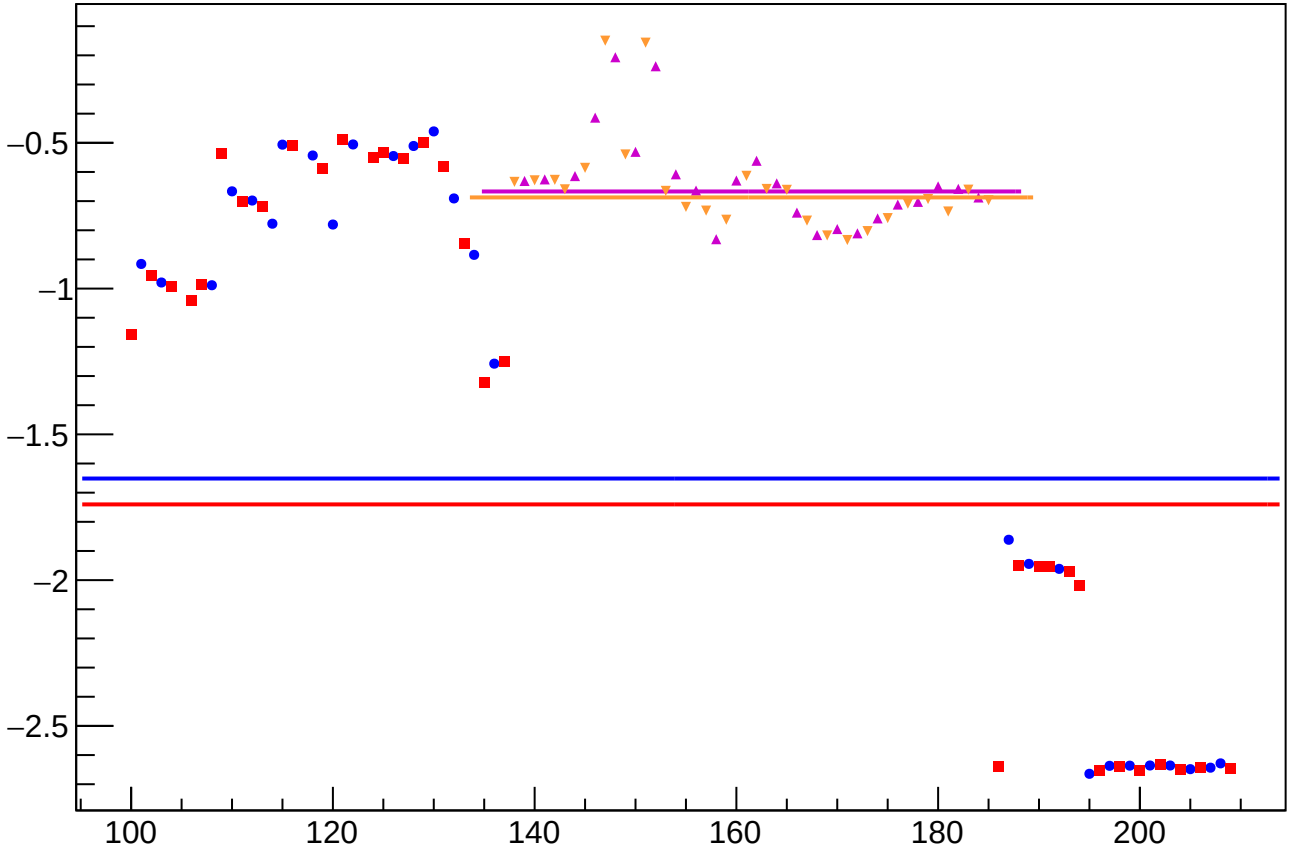
Right: 0.005+/-0.000 χ^2/NDF: 4090365.9/58

In: 0.005+/-0.000 χ^2/NDF:2392797.3/49

Out: 0.005+/-0.000 χ^2/NDF:2098549.0/56

All: 0.005+/-0.000 χ^2/NDF: 4494506.3/106

yield_bpm0i07X_mean vs Slug, Sign Corrected



Right In: -1.651+/-0.000 χ^2/NDF: 255365371214.3/26

Left Out: -0.687+/-0.000 χ^2/NDF:22462821855.7/24

Right Out: -1.740+/-0.000 χ^2/NDF: 309006048292.1/31

Left In: -0.667+/-0.000 χ^2/NDF:22531477329.1/22

Left: -0.677+/-0.000 χ^2/NDF: 45194028028.5/47

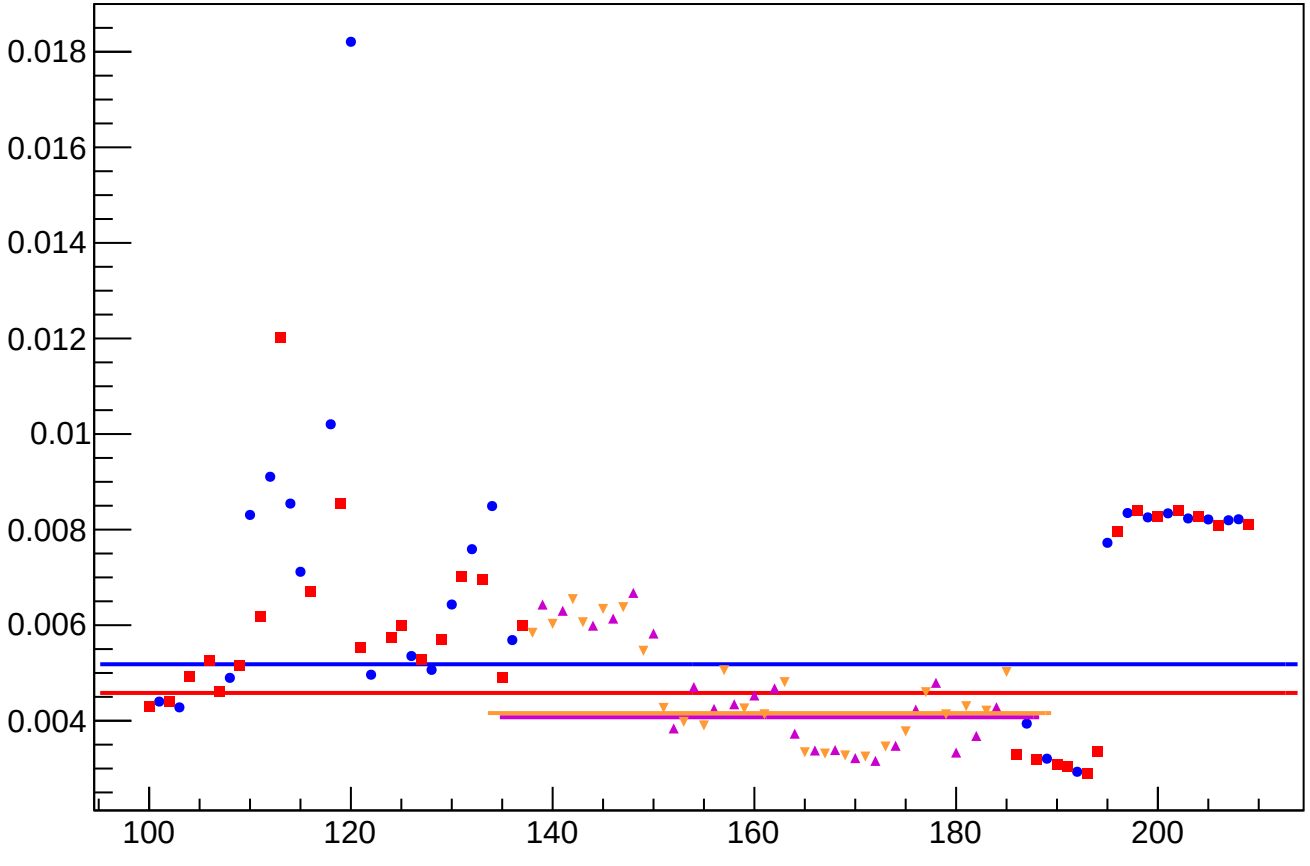
Right: -1.703+/-0.000 χ^2/NDF: 566480690049.0/58

In: -0.987+/-0.000 χ^2/NDF:578075926874.3/49

Out: -1.108+/-0.000 χ^2/NDF:759309467950.3/56

All: -1.052+/-0.000 χ^2/NDF: 1348428967030

yield_bpm0i07X_rms vs Slug, Sign Corrected



Right In: 0.005+/-0.000 χ^2/NDF: 4387663.9/26

Left Out: 0.004+/-0.000 χ^2/NDF:1520055.0/24

Right Out: 0.005+/-0.000 χ^2/NDF: 4698879.2/31

Left In: 0.004+/-0.000 χ^2/NDF:1750303.9/22

Left: 0.004+/-0.000 χ^2/NDF: 3277736.9/47

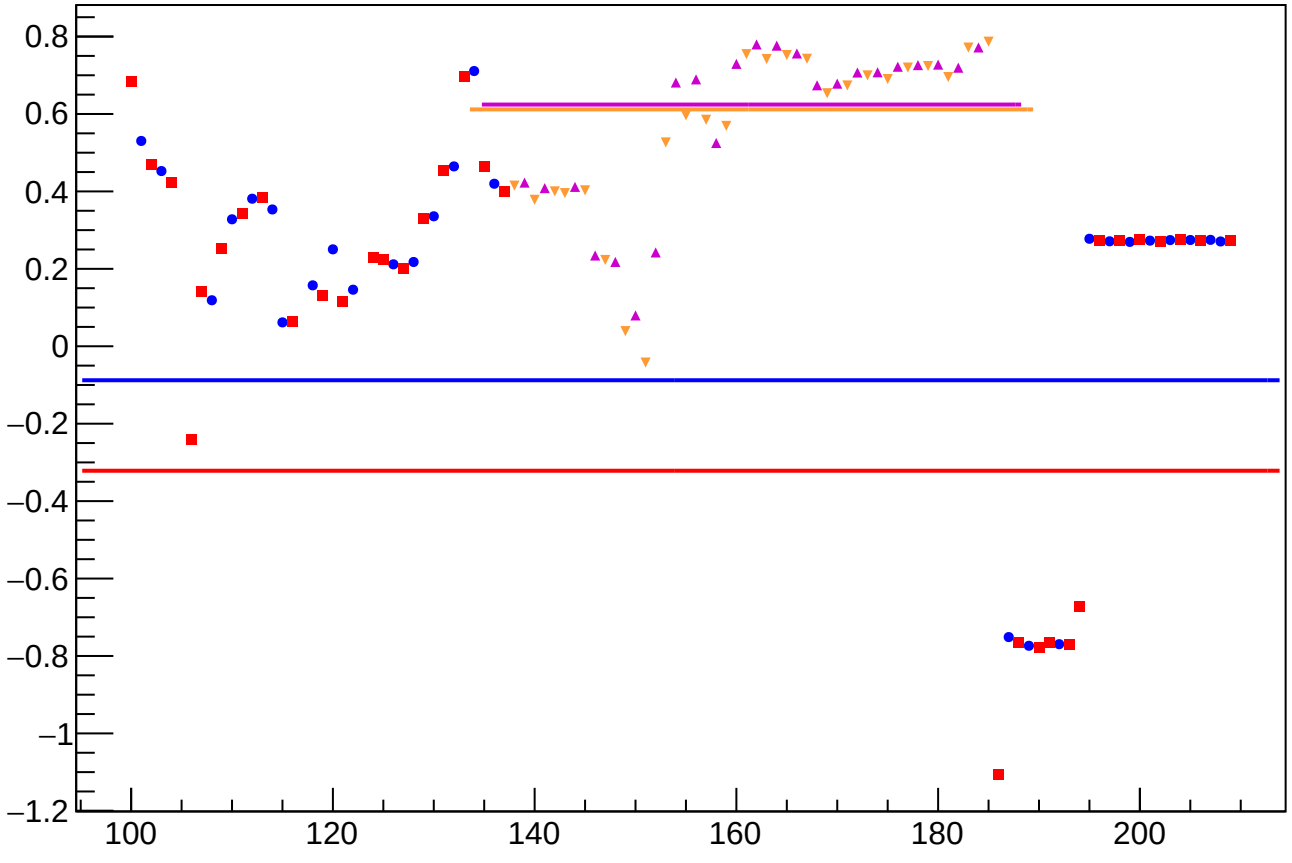
Right: 0.005+/-0.000 χ^2/NDF: 9279667.9/58

In: 0.004+/-0.000 χ^2/NDF:6900668.7/49

Out: 0.004+/-0.000 χ^2/NDF:6356083.8/56

All: 0.004+/-0.000 χ^2/NDF: 13273213.4/106

yield_bpm0i07Y_mean vs Slug, Sign Corrected



Right In: -0.088+/-0.000 χ^2/NDF: 313109089464.7/26

Left Out: 0.612+/-0.000 χ^2/NDF:45742599949.2/24

Right Out: -0.321+/-0.000 χ^2/NDF: 499993337447.6/31

Left In: 0.624+/-0.000 χ^2/NDF:40353141115.4/22

Left: 0.618+/-0.000 χ^2/NDF: 86197864169.1/47

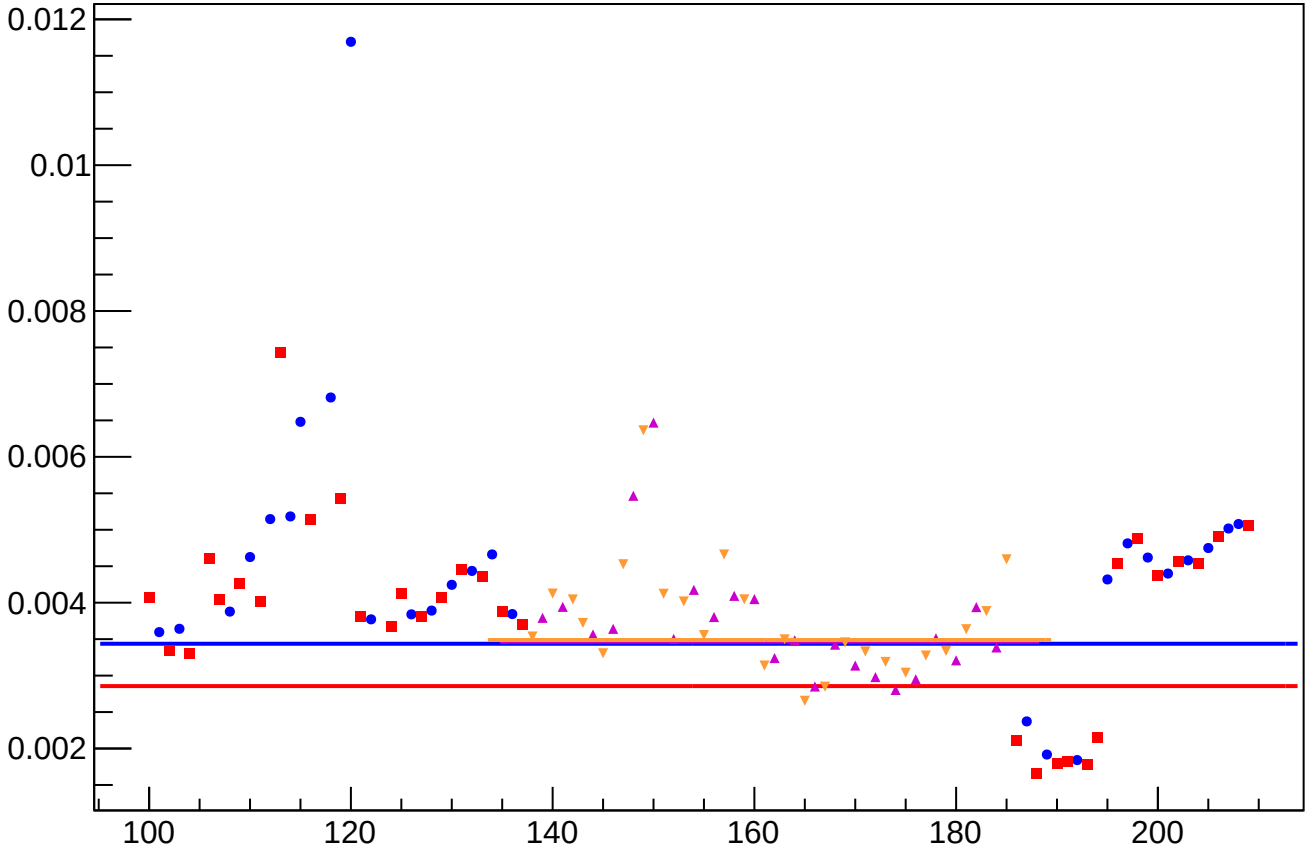
Right: -0.228+/-0.000 χ^2/NDF: 848759924248.6/58

In: 0.295+/-0.000 χ^2/NDF:650220427810.4/49

Out: 0.095+/-0.000 χ^2/NDF:1181325194788.8/56

All: 0.184+/-0.000 χ^2/NDF: 1883963285486.

yield_bpm0i07Y_rms vs Slug, Sign Corrected



Right In: 0.003+/-0.000 χ^2/NDF: 3748715.6/26

Left Out: 0.003+/-0.000 χ^2/NDF:850746.8/24

Right Out: 0.003+/-0.000 χ^2/NDF: 5223574.6/31

Left In: 0.003+/-0.000 χ^2/NDF:894124.0/22

Left: 0.003+/-0.000 χ^2/NDF: 1745449.7/47

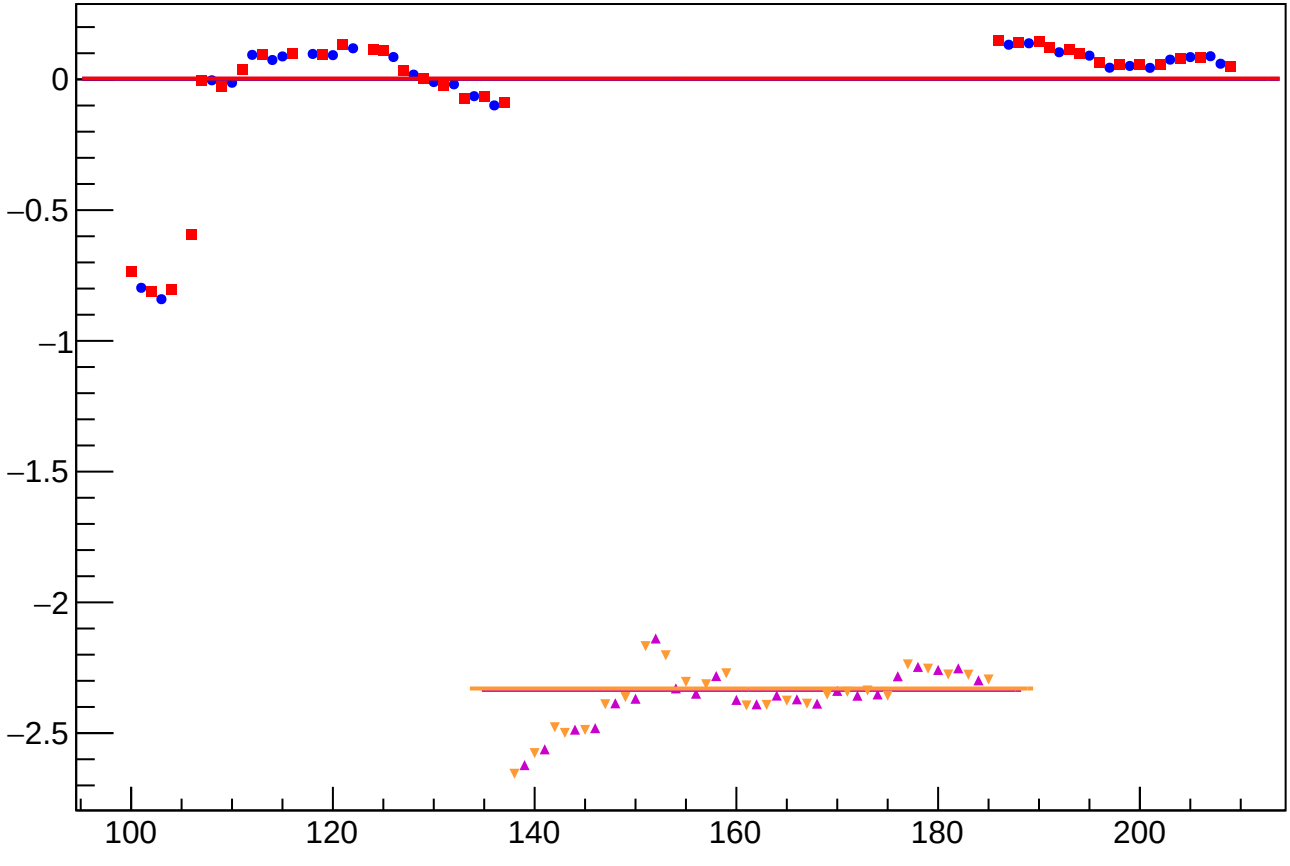
Right: 0.003+/-0.000 χ^2/NDF: 9412796.5/58

In: 0.003+/-0.000 χ^2/NDF:4643891.7/49

Out: 0.003+/-0.000 χ^2/NDF:6657228.7/56

All: 0.003+/-0.000 χ^2/NDF: 11560523.3/106

yield_bpm1i02X_mean vs Slug, Sign Corrected



Right In: 0.002+/-0.000 χ^2/NDF: 6547293841.9/26

Left Out: -2.329+/-0.000 χ^2/NDF:1982733526.8/24

Right Out: 0.003+/-0.000 χ^2/NDF: 7812501045.6/31

Left In: -2.335+/-0.000 χ^2/NDF:1676703216.8/22

Left: -2.332+/-0.000 χ^2/NDF: 3662448442.3/47

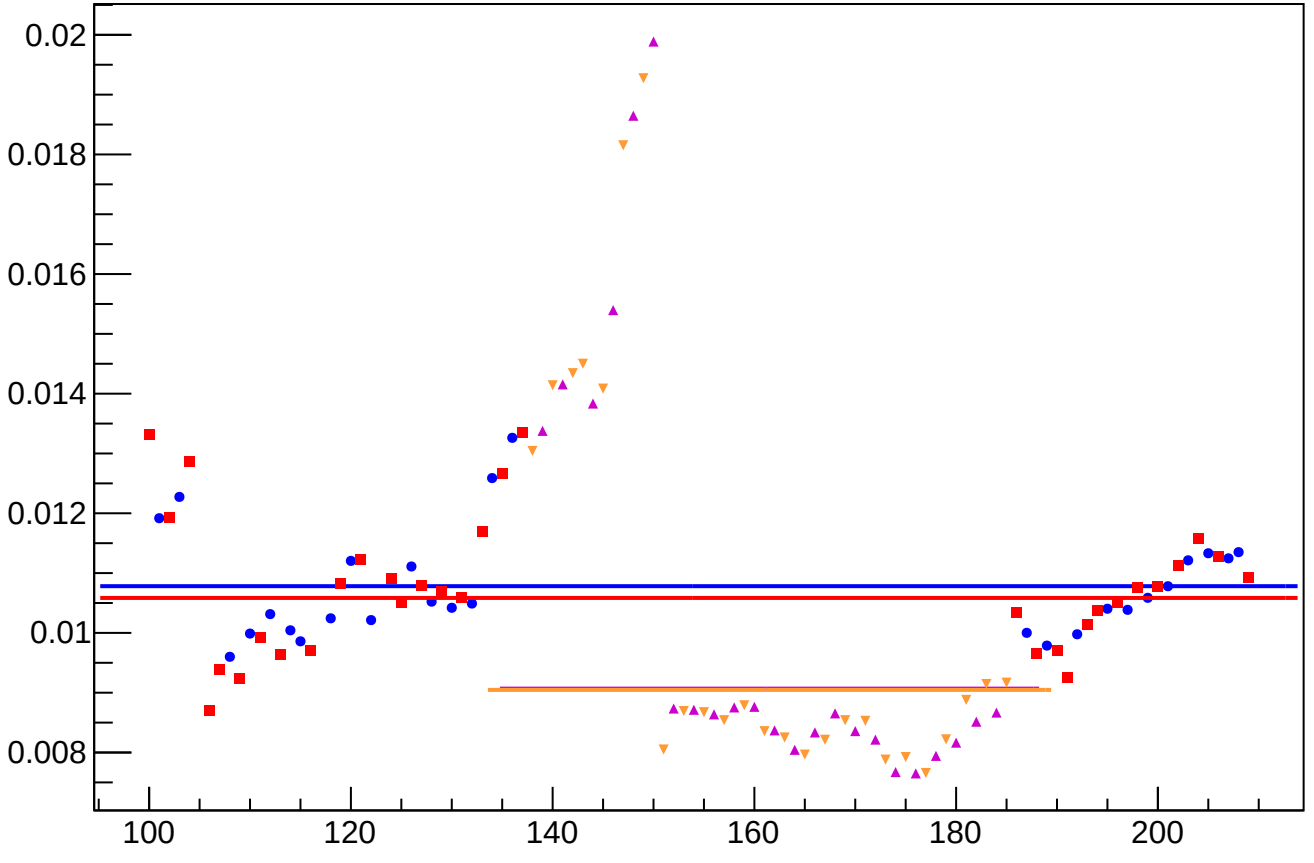
Right: 0.003+/-0.000 χ^2/NDF: 14359881464.4/58

In: -1.419+/-0.000 χ^2/NDF:454807532425.7/49

Out: -1.380+/-0.000 χ^2/NDF:501544462728.1/56

All: -1.399+/-0.000 χ^2/NDF: 956613368409.9

yield_bpm1i02X_rms vs Slug, Sign Corrected



Right In: 0.011+/-0.000 χ^2/NDF: 184031.0/26

Left Out: 0.009+/-0.000 χ^2/NDF:2048729.6/24

Right Out: 0.011+/-0.000 χ^2/NDF: 255855.8/31

Left In: 0.009+/-0.000 χ^2/NDF:2134207.9/22

Left: 0.009+/-0.000 χ^2/NDF: 4183033.5/47

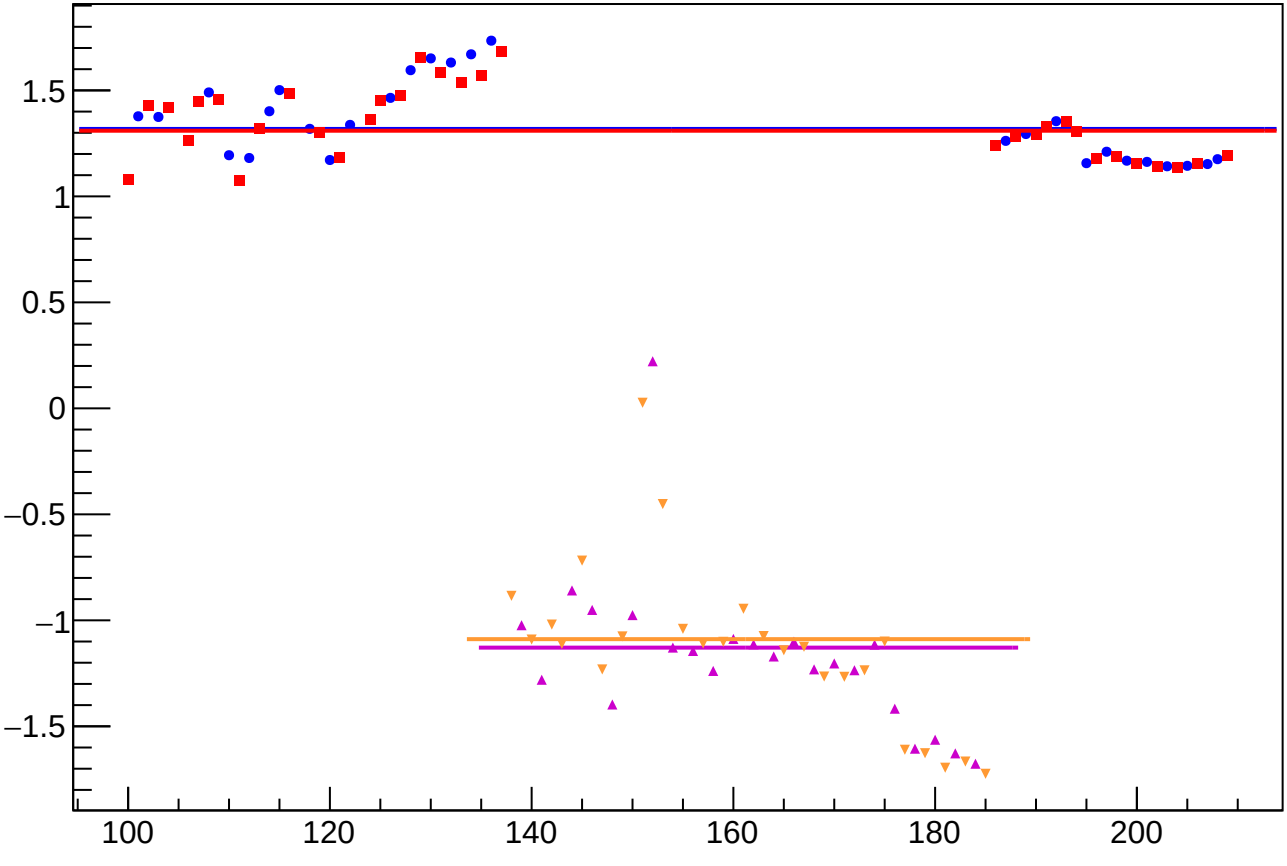
Right: 0.011+/-0.000 χ^2/NDF: 445411.9/58

In: 0.010+/-0.000 χ^2/NDF:2798326.4/49

Out: 0.010+/-0.000 χ^2/NDF:2731995.7/56

All: 0.010+/-0.000 χ^2/NDF: 5531937.4/106

yield_bpm1i02Y_mean vs Slug, Sign Corrected



Right In: 1.318+/-0.000 χ^2/NDF: 8397171100.4/26

Left Out: -1.089+/-0.000 χ^2/NDF:61255304912.3/24

Right Out: 1.310+/-0.000 χ^2/NDF: 6505044137.8/31

Left In: -1.129+/-0.000 χ^2/NDF:58876825364.1/22

Left: -1.108+/-0.000 χ^2/NDF: 120403370890.0/47

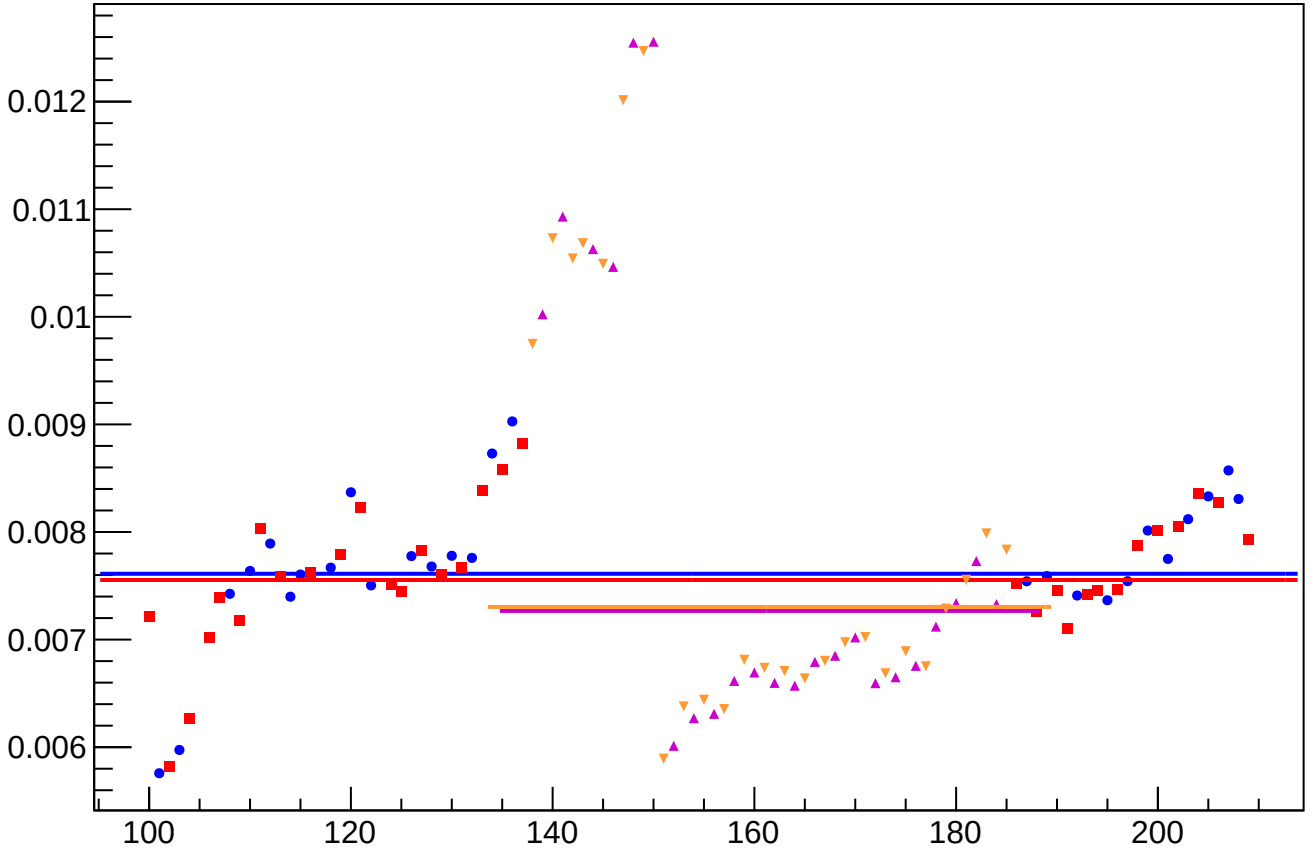
Right: 1.314+/-0.000 χ^2/NDF: 14912075079.6/58

In: -0.033+/-0.000 χ^2/NDF:954668151977.3/49

Out: 0.023+/-0.000 χ^2/NDF:991348045651.5/56

All: -0.004+/-0.000 χ^2/NDF: 1946975741752

yield_bpm1i02Y_rms vs Slug, Sign Corrected



Right In: 0.008+/-0.000 χ^2/NDF: 351083.0/26

Left Out: 0.007+/-0.000 χ^2/NDF:1504103.4/24

Right Out: 0.008+/-0.000 χ^2/NDF: 264726.4/31

Left In: 0.007+/-0.000 χ^2/NDF:1560089.8/22

Left: 0.007+/-0.000 χ^2/NDF: 3064663.5/47

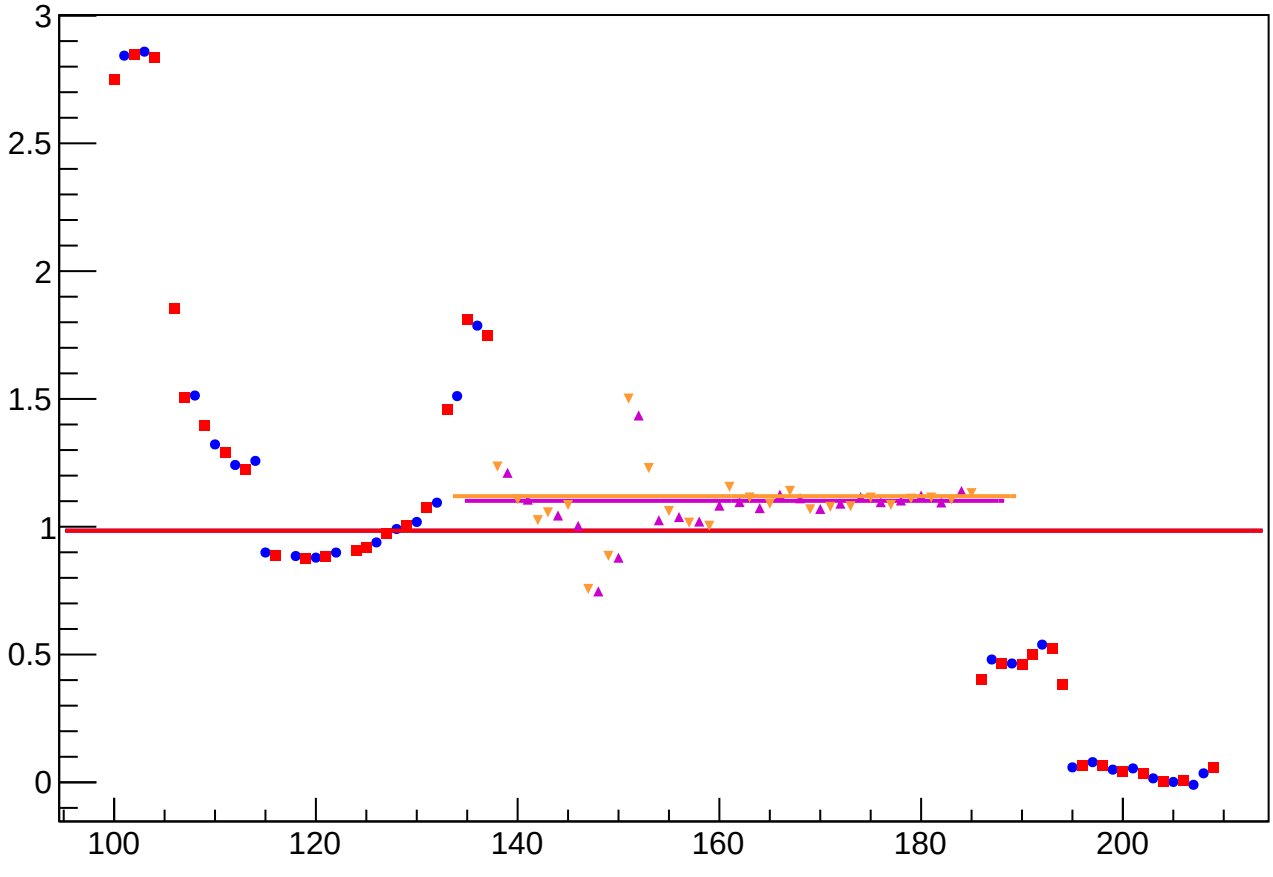
Right: 0.008+/-0.000 χ^2/NDF: 616751.8/58

In: 0.007+/-0.000 χ^2/NDF:1946541.1/49

Out: 0.007+/-0.000 χ^2/NDF:1788969.4/56

All: 0.007+/-0.000 χ^2/NDF: 3735511.7/106

yield_bpm1i04X_mean vs Slug, Sign Corrected



Right In: 0.985+/-0.000 χ^2/NDF: 138620319799.5/26

Left Out: 1.120+/-0.000 χ^2/NDF:5515079117.9/24

Right Out: 0.984+/-0.000 χ^2/NDF: 137120227276.8/31

Left In: 1.101+/-0.000 χ^2/NDF:4201972548.8/22

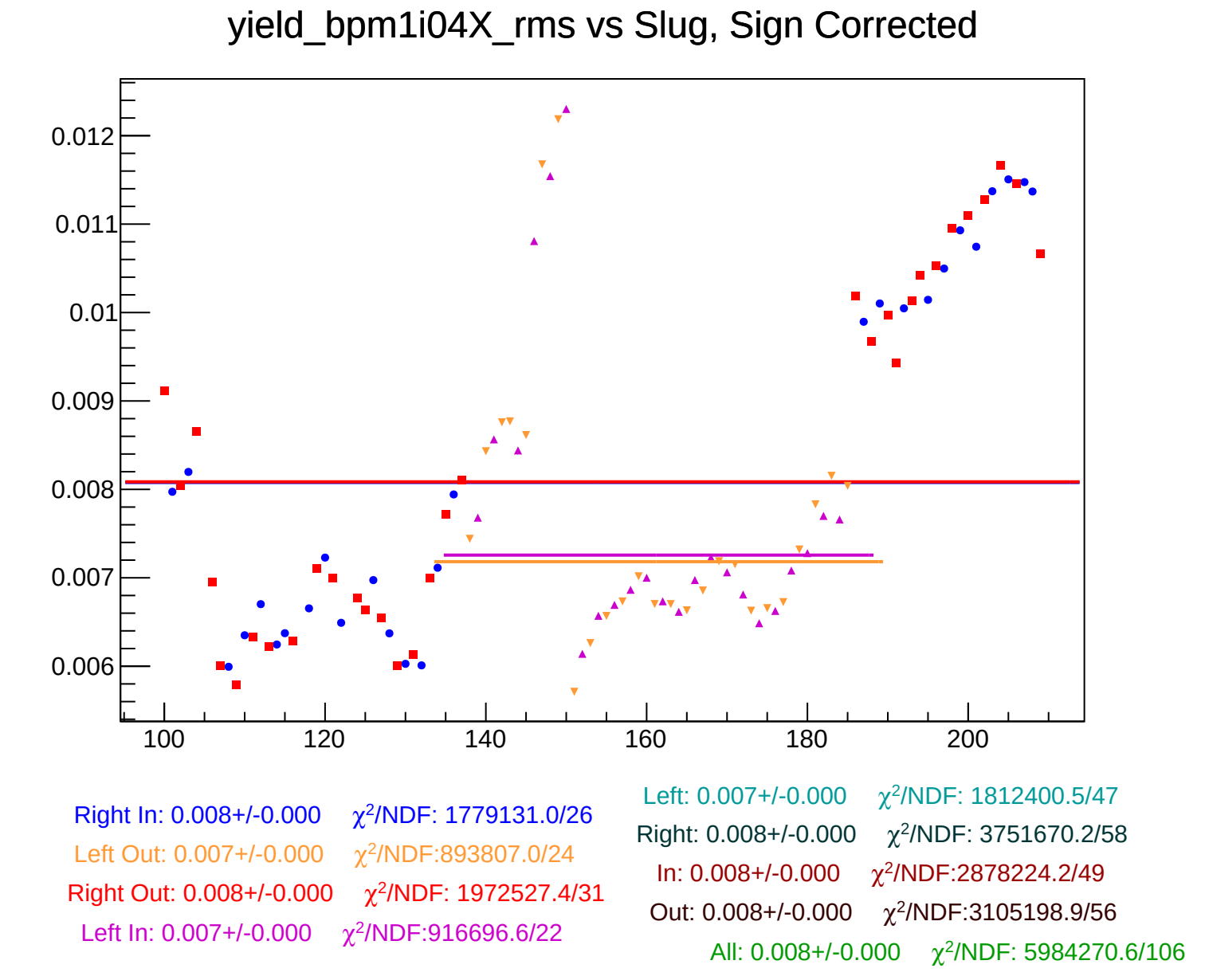
Left: 1.111+/-0.000 χ^2/NDF: 9774836704.8/47

Right: 0.985+/-0.000 χ^2/NDF: 275740556496.2/58

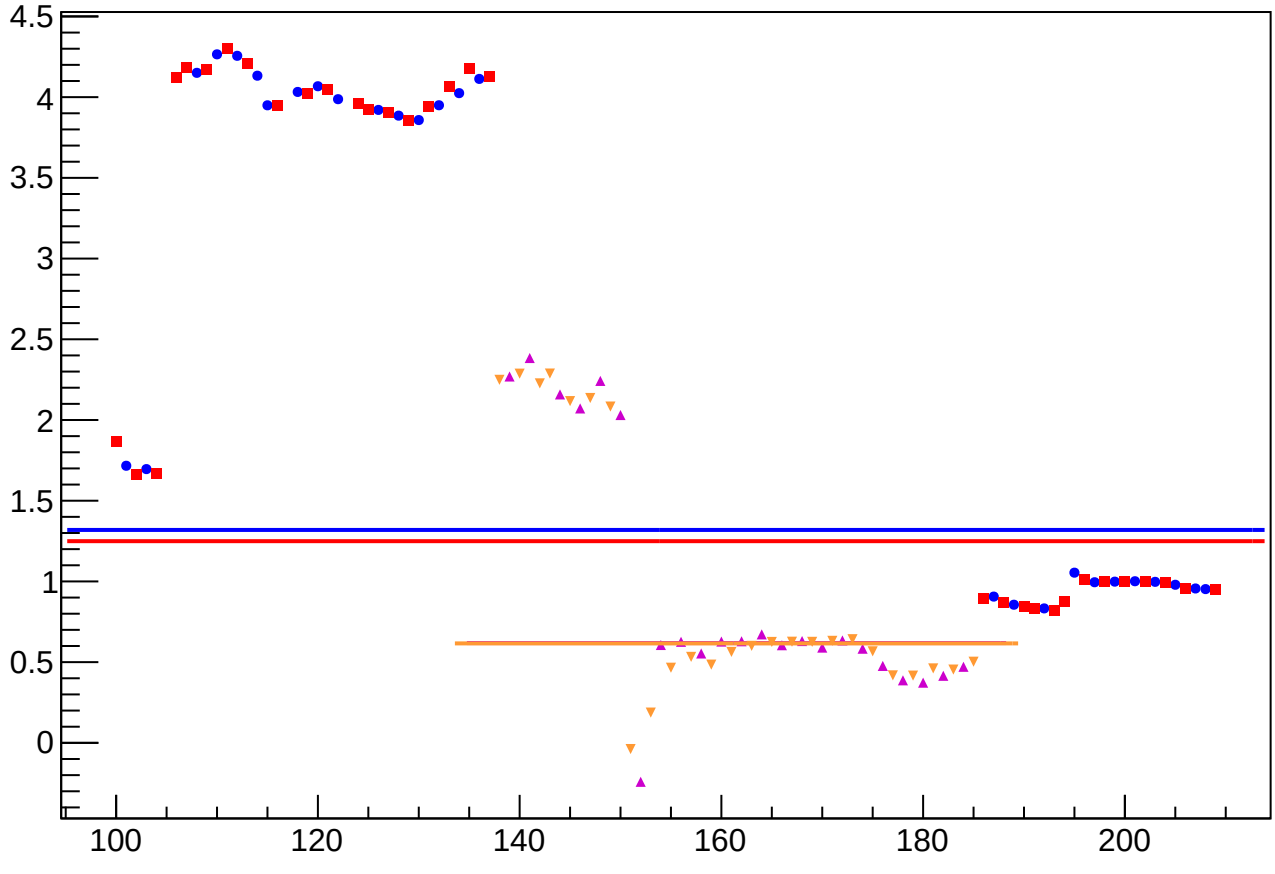
In: 1.054+/-0.000 χ^2/NDF:144658803187.5/49

Out: 1.064+/-0.000 χ^2/NDF:145313015248.7/56

All: 1.059+/-0.000 χ^2/NDF: 290002721890.2


yield_bpm1i04X_rms vs Slug, Sign Corrected
0.012
0.011
0.01
0.009
0.008
0.007
0.006
100
120
140
160
180
200
Right In: 0.008+/-0.000 χ²/NDF: 1779131.0/26
Left Out: 0.007+/-0.000 χ²/NDF:893807.0/24
Right Out: 0.008+/-0.000 χ²/NDF: 1972527.4/31
Left In: 0.007+/-0.000 χ²/NDF:916696.6/22
Left: 0.007+/-0.000 χ²/NDF: 1812400.5/47
Right: 0.008+/-0.000 χ²/NDF: 3751670.2/58
In: 0.008+/-0.000 χ²/NDF:2878224.2/49
Out: 0.008+/-0.000 χ²/NDF:3105198.9/56
All: 0.008+/-0.000 χ²/NDF: 5984270.6/106

yield_bpm1i04Y_mean vs Slug, Sign Corrected



Right In: 1.319+/-0.000 χ^2/NDF: 1587423913028.2/26

Left Out: 0.616+/-0.000 χ^2/NDF:251940630795.3/24

Right Out: 1.249+/-0.000 χ^2/NDF: 1768963928218.9/31

Left In: 0.618+/-0.000 χ^2/NDF:254248143278.9/22

Left: 0.617+/-0.000 χ^2/NDF: 506191281472.3/47

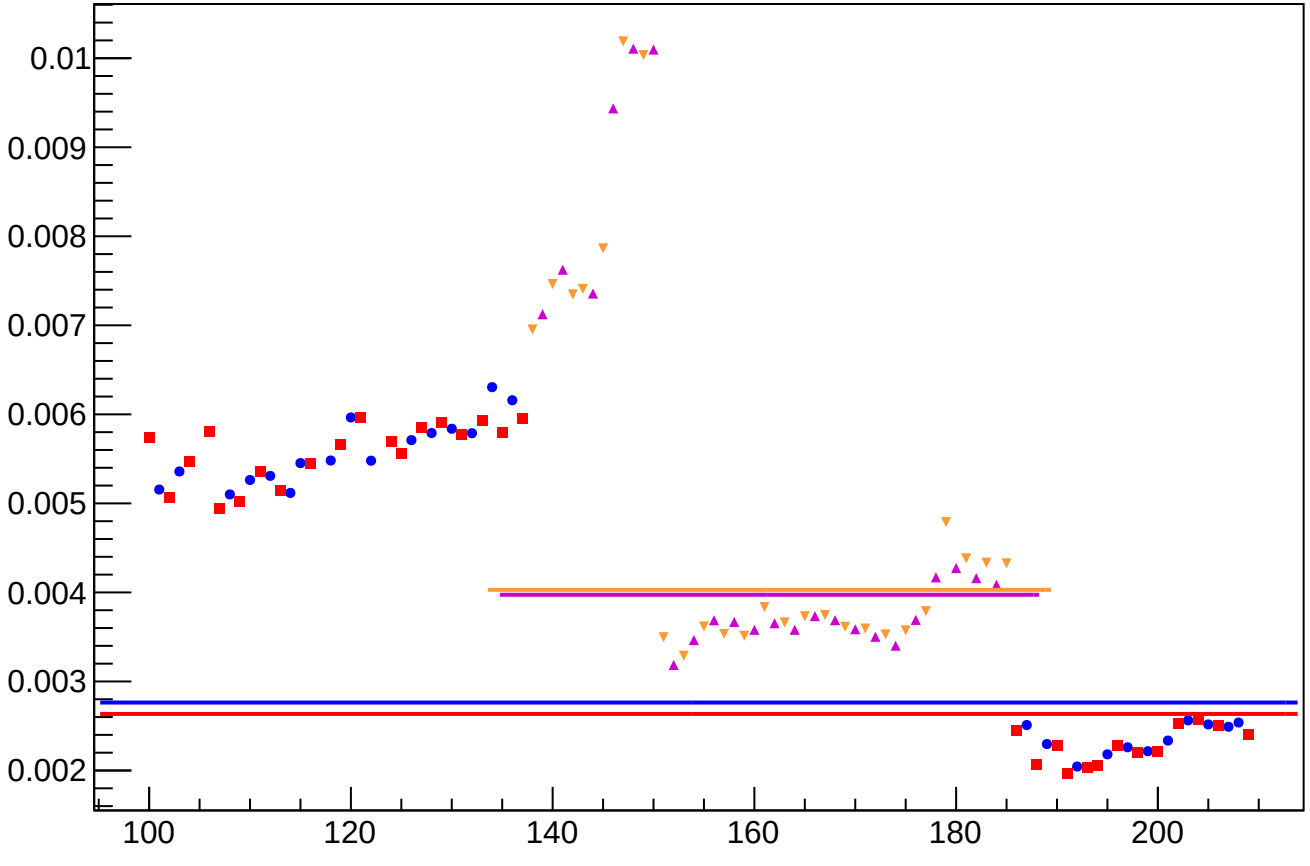
Right: 1.281+/-0.000 χ^2/NDF: 3360871546359.5/58

In: 1.055+/-0.000 χ^2/NDF:2155653437465.9/49

Out: 1.033+/-0.000 χ^2/NDF:2299973254963.5/56

All: 1.043+/-0.000 χ^2/NDF: 4456287885390.

yield_bpm1i04Y_rms vs Slug, Sign Corrected



Right In: 0.003+/-0.000 χ^2/NDF: 4367214.1/26

Left Out: 0.004+/-0.000 χ^2/NDF:2965028.8/24

Right Out: 0.003+/-0.000 χ^2/NDF: 4694272.2/31

Left In: 0.004+/-0.000 χ^2/NDF:3121901.5/22

Left: 0.004+/-0.000 χ^2/NDF: 6090115.0/47

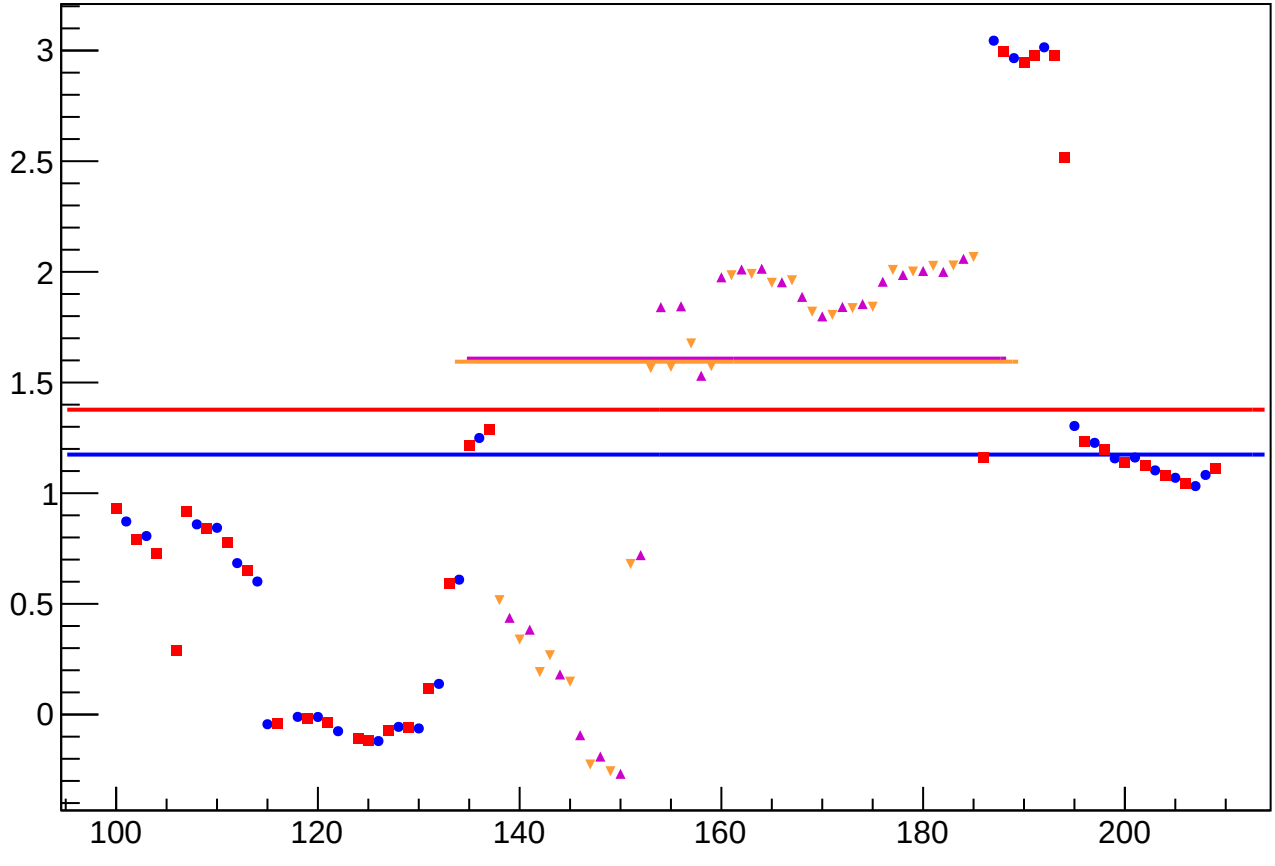
Right: 0.003+/-0.000 χ^2/NDF: 9091825.7/58

In: 0.003+/-0.000 χ^2/NDF:9363341.4/49

Out: 0.003+/-0.000 χ^2/NDF:10363148.7/56

All: 0.003+/-0.000 χ^2/NDF: 19760926.8/106

yield_bpm1i06X_mean vs Slug, Sign Corrected



Right In: 1.174+/-0.000 χ^2/NDF: 77753893123.6/26

Left Out: 1.594+/-0.000 χ^2/NDF:62632055963.2/24

Right Out: 1.377+/-0.000 χ^2/NDF: 106069868358.4/31

Left In: 1.608+/-0.000 χ^2/NDF:66403809503.4/22

Left: 1.601+/-0.000 χ^2/NDF: 129051467837.0/47

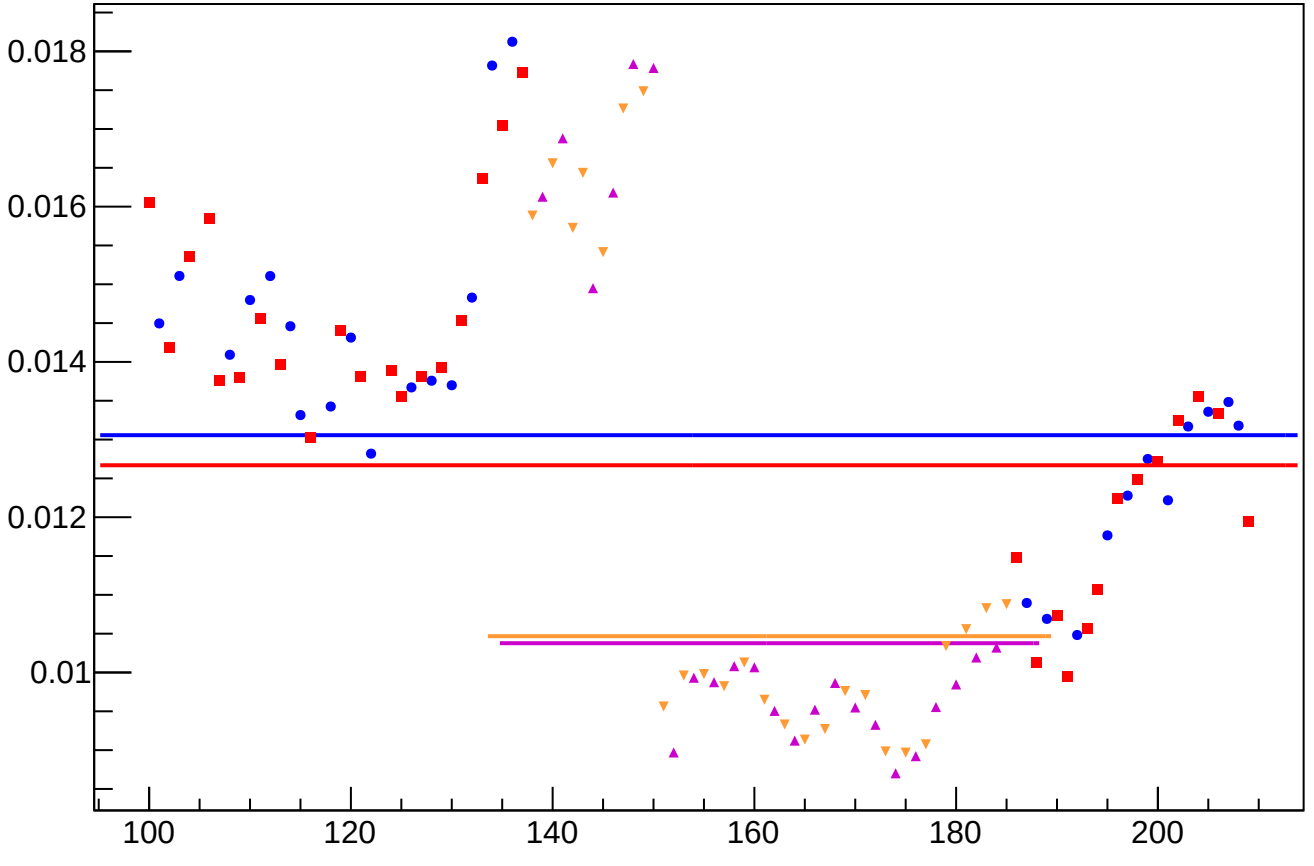
Right: 1.283+/-0.000 χ^2/NDF: 185813313230.9/58

In: 1.452+/-0.000 χ^2/NDF:155021945391.8/49

Out: 1.511+/-0.000 χ^2/NDF:171715911072.9/56

All: 1.483+/-0.000 χ^2/NDF: 327189813413.7

yield_bpm1i06X_rms vs Slug, Sign Corrected



Right In: 0.013+/-0.000 χ^2/NDF: 505157.5/26

Left Out: 0.010+/-0.000 χ^2/NDF:1661211.8/24

Right Out: 0.013+/-0.000 χ^2/NDF: 612245.0/31

Left In: 0.010+/-0.000 χ^2/NDF:1710541.0/22

Left: 0.010+/-0.000 χ^2/NDF: 3373093.6/47

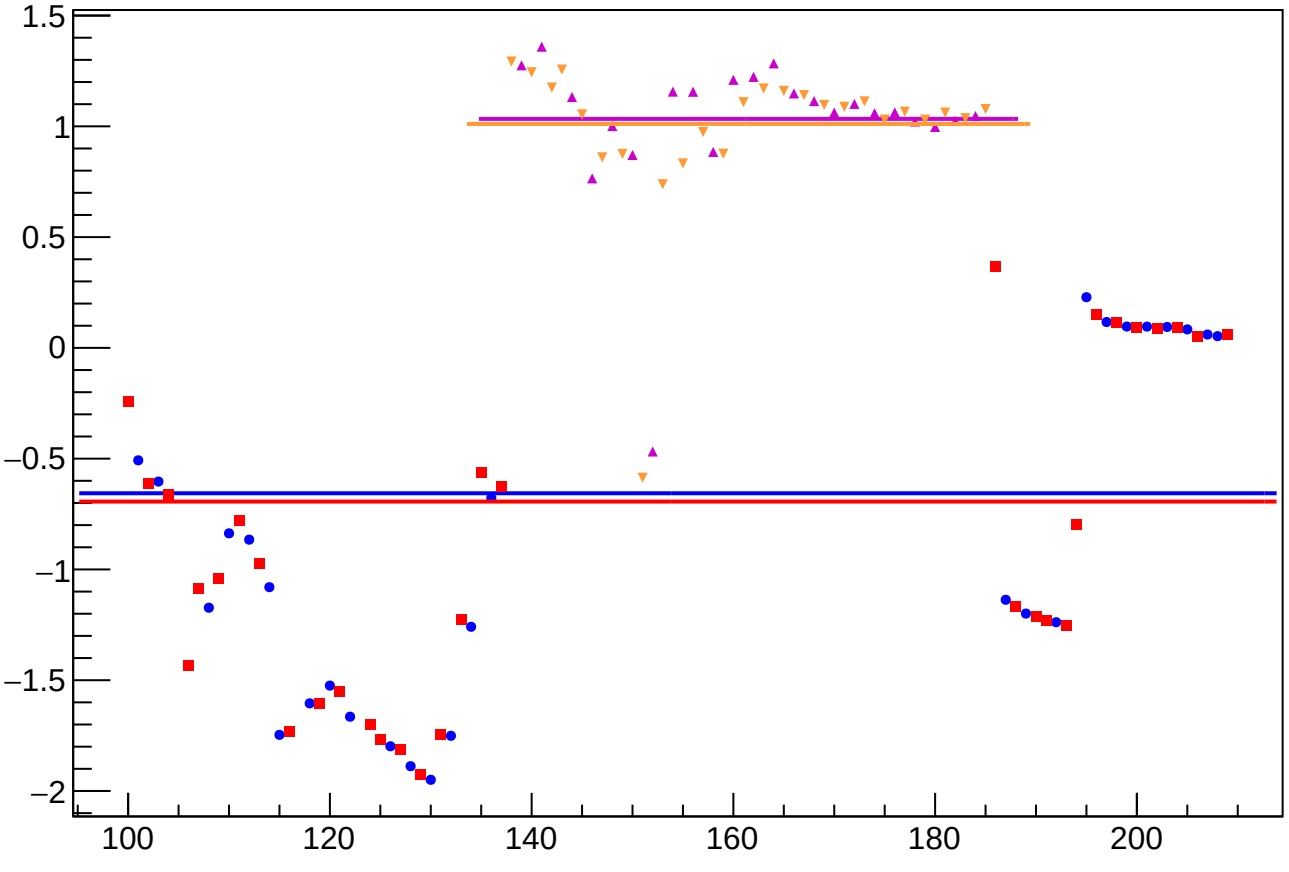
Right: 0.013+/-0.000 χ^2/NDF: 1131921.2/58

In: 0.011+/-0.000 χ^2/NDF:3045693.2/49

Out: 0.011+/-0.000 χ^2/NDF:2894624.8/56

All: 0.011+/-0.000 χ^2/NDF: 5940523.7/106

yield_bpm1i06Y_mean vs Slug, Sign Corrected



Right In: -0.656+/-0.000 χ^2/NDF: 189736034070.4/26

Left Out: 1.011+/-0.000 χ^2/NDF:111188616245.0/24

Right Out: -0.694+/-0.000 χ^2/NDF: 179967495894.2/31

Left In: 1.034+/-0.000 χ^2/NDF:125385050389.9/22

Left: 1.022+/-0.000 χ^2/NDF: 236930467589.7/47

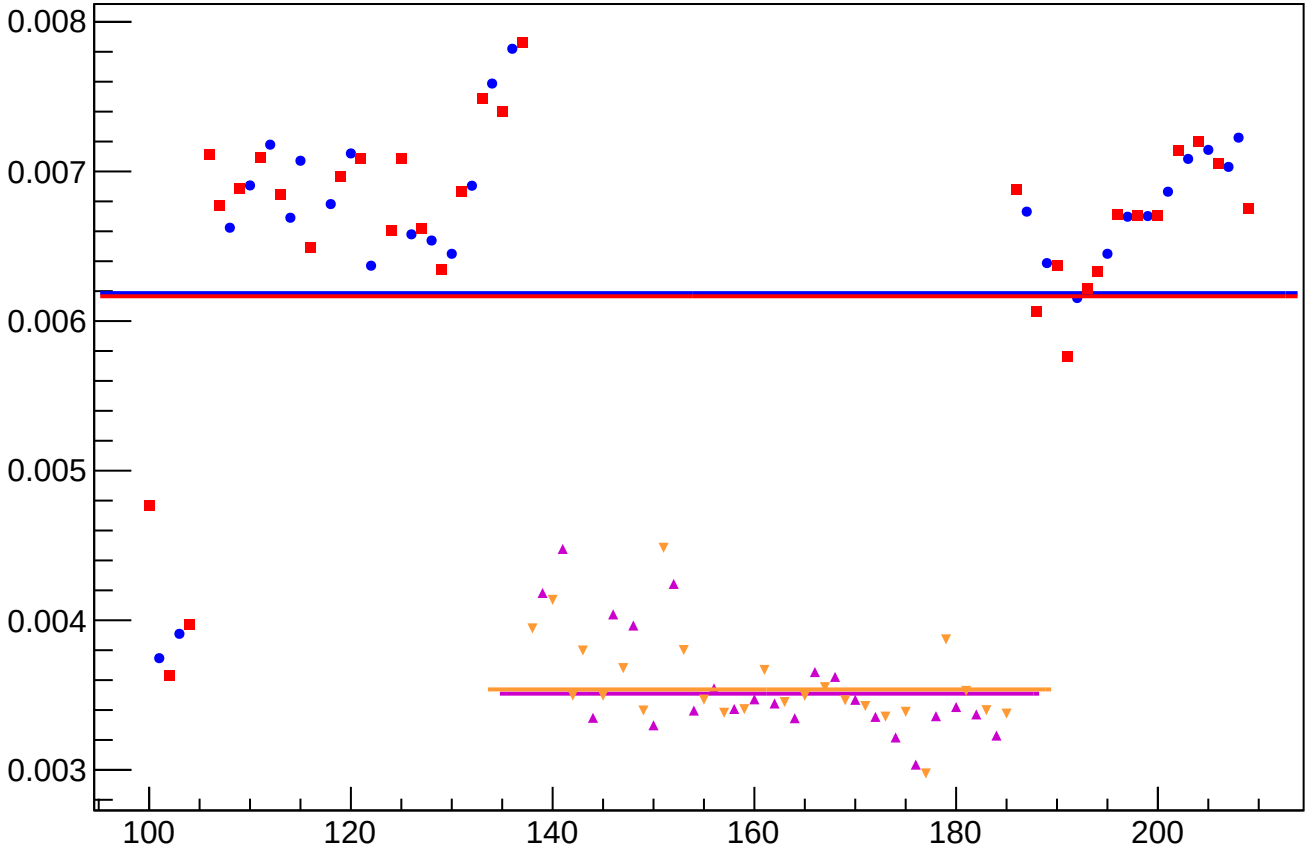
Right: -0.676+/-0.000 χ^2/NDF: 369982384813.2/58

In: 0.663+/-0.000 χ^2/NDF:1158066963474.3/49

Out: 0.622+/-0.000 χ^2/NDF:1223174030102.0/56

All: 0.642+/-0.000 χ^2/NDF: 2382737658824.

yield_bpm1i06Y_rms vs Slug, Sign Corrected



Right In: 0.006+/-0.000 χ^2/NDF: 1204423.9/26

Left Out: 0.004+/-0.000 χ^2/NDF:215725.1/24

Right Out: 0.006+/-0.000 χ^2/NDF: 1229433.7/31

Left In: 0.004+/-0.000 χ^2/NDF:284960.7/22

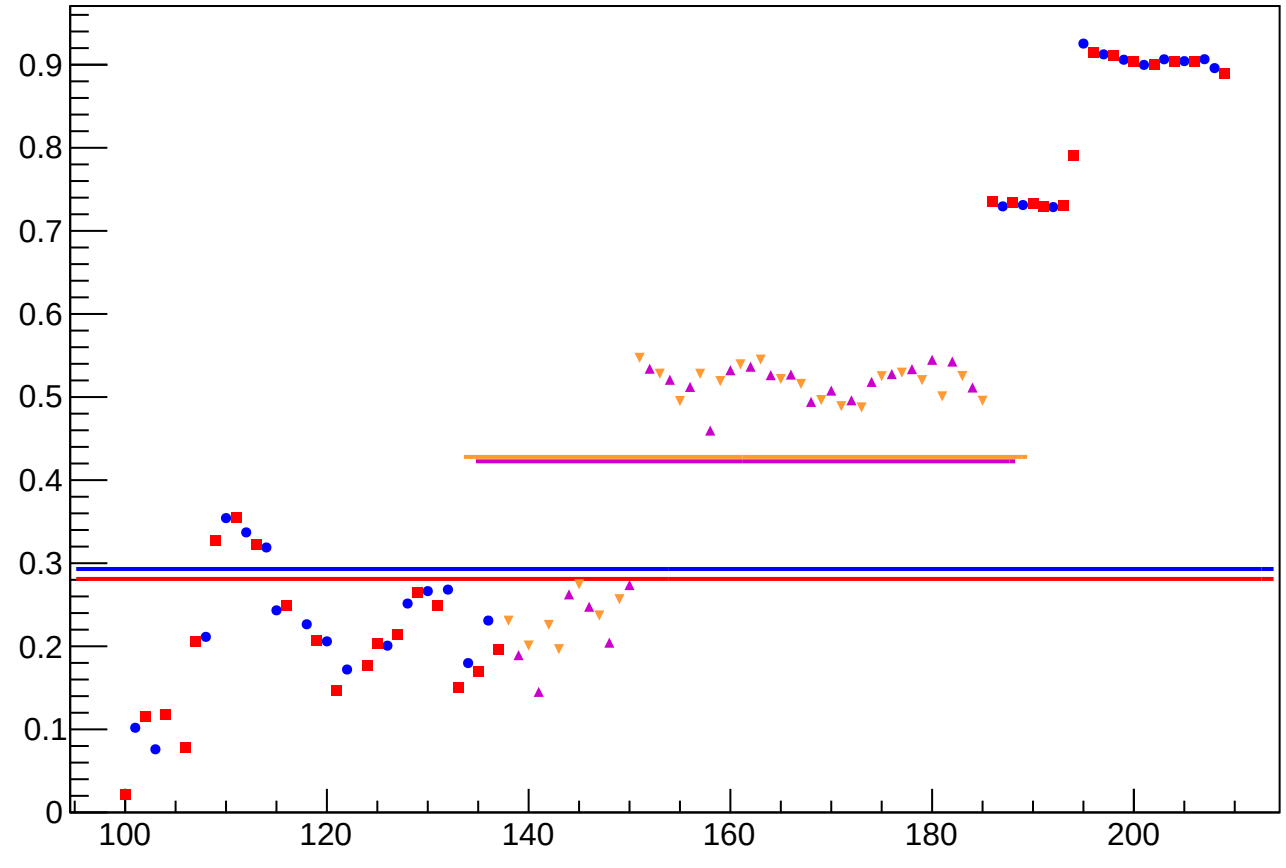
Left: 0.004+/-0.000 χ^2/NDF: 501791.4/47

Right: 0.006+/-0.000 χ^2/NDF: 2434031.7/58

In: 0.004+/-0.000 χ^2/NDF:5720935.6/49

Out: 0.004+/-0.000 χ^2/NDF:5875379.2/56

All: 0.004+/-0.000 χ^2/NDF: 11599264.0/106



Right In: 0.293+/-0.000 χ^2/NDF: 186392456415.9/26

Left Out: 0.428+/-0.000 χ^2/NDF:153820853539.2/24

Right Out: 0.281+/-0.000 χ^2/NDF: 209458853111.7/31

Left In: 0.423+/-0.000 χ^2/NDF:158122093061.2/22

Left: 0.425+/-0.000 χ^2/NDF: 312056221639.2/47

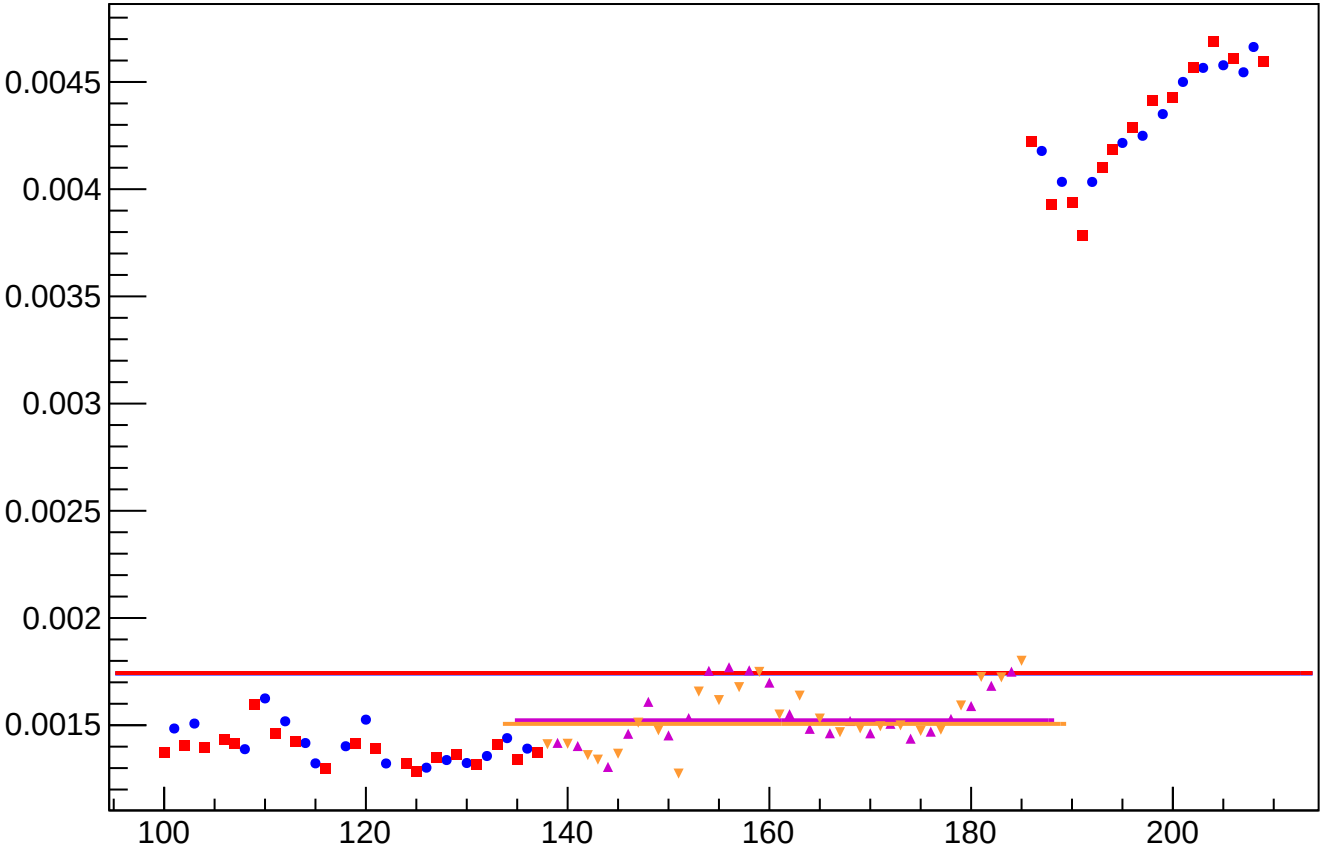
Right: 0.287+/-0.000 χ^2/NDF: 396147537756.0/58

In: 0.379+/-0.000 χ^2/NDF:388503719297.9/49

Out: 0.378+/-0.000 χ^2/NDF:424759457891.6/56

All: 0.378+/-0.000 χ^2/NDF: 813266636930.4

yield_bpm2i01X_rms vs Slug, Sign Corrected



Right In: 0.002+/-0.000 χ^2/NDF: 7026986.4/26

Left Out: 0.002+/-0.000 χ^2/NDF:278895.8/24

Right Out: 0.002+/-0.000 χ^2/NDF: 7945557.2/31

Left In: 0.002+/-0.000 χ^2/NDF:234679.9/22

Left: 0.002+/-0.000 χ^2/NDF: 515814.5/47

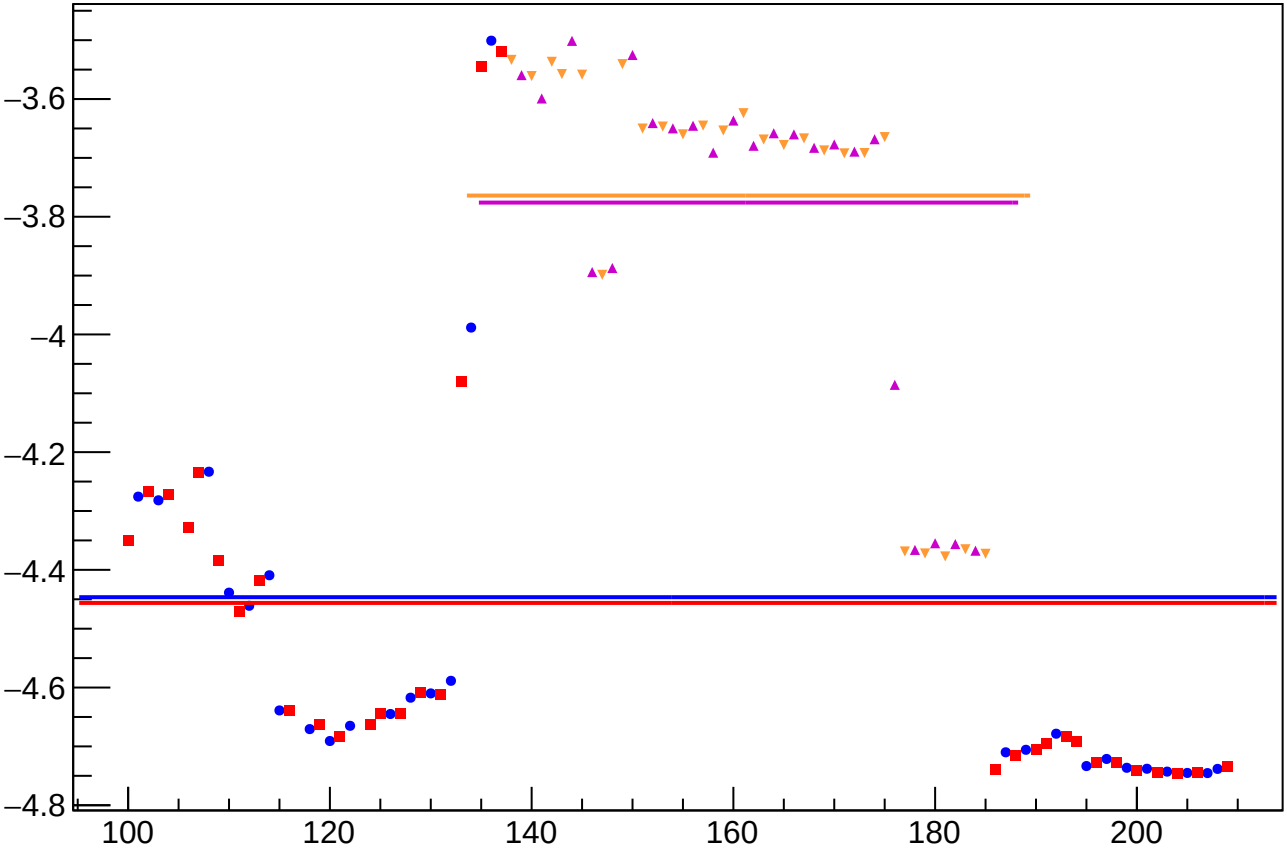
Right: 0.002+/-0.000 χ^2/NDF: 14972564.7/58

In: 0.002+/-0.000 χ^2/NDF:7511390.3/49

Out: 0.002+/-0.000 χ^2/NDF:8545334.3/56

All: 0.002+/-0.000 χ^2/NDF: 16057925.0/106

yield_bpm2i01Y_mean vs Slug, Sign Corrected



Right In: -4.446+/-0.000 χ^2/NDF: 429022006145.7/26

Left Out: -3.764+/-0.000 χ^2/NDF:483461311370.8/24

Right Out: -4.456+/-0.000 χ^2/NDF: 380398603871.6/31

Left In: -3.776+/-0.000 χ^2/NDF:402659987166.3/22

Left: -3.770+/-0.000 χ^2/NDF: 886556013091.1/47

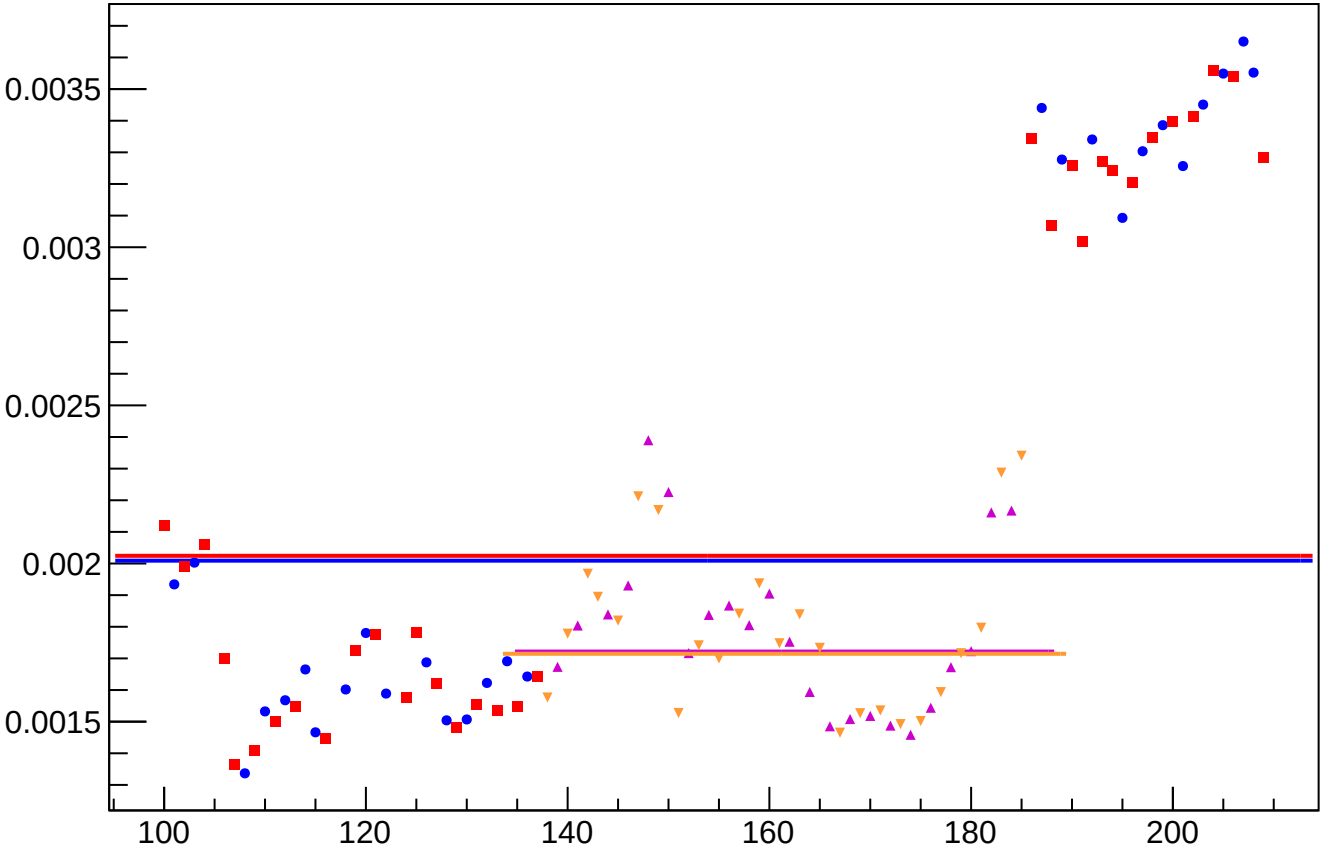
Right: -4.452+/-0.000 χ^2/NDF: 809585586177.9/58

In: -4.019+/-0.000 χ^2/NDF:1796275902057.3/49

Out: -4.017+/-0.000 χ^2/NDF:1968367613427.2/56

All: -4.018+/-0.000 χ^2/NDF: 3764656600807

yield_bpm2i01Y_rms vs Slug, Sign Corrected



Right In: 0.002+/-0.000 χ^2/NDF: 3755908.8/26

Left Out: 0.002+/-0.000 χ^2/NDF:562338.1/24

Right Out: 0.002+/-0.000 χ^2/NDF: 4103776.0/31

Left In: 0.002+/-0.000 χ^2/NDF:581878.6/22

Left: 0.002+/-0.000 χ^2/NDF: 1144519.8/47

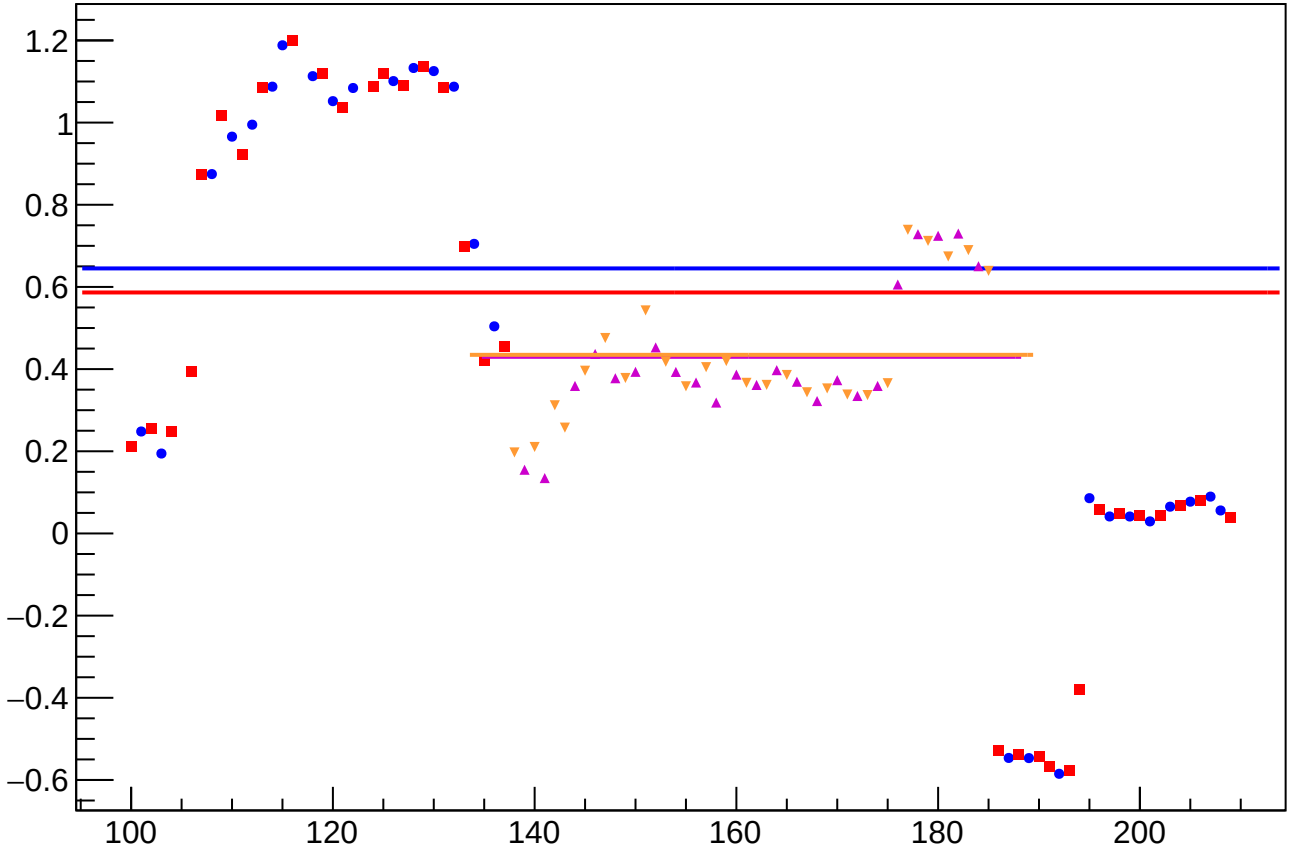
Right: 0.002+/-0.000 χ^2/NDF: 7860509.6/58

In: 0.002+/-0.000 χ^2/NDF:4692215.0/49

Out: 0.002+/-0.000 χ^2/NDF:5108674.0/56

All: 0.002+/-0.000 χ^2/NDF: 9800933.8/106

yield_bpm2i02X_mean vs Slug, Sign Corrected



Right In: 0.645+/-0.000 χ^2/NDF: 68006058712.4/26

Left Out: 0.435+/-0.000 χ^2/NDF:8515333254.7/24

Right Out: 0.587+/-0.000 χ^2/NDF: 88708343803.8/31

Left In: 0.430+/-0.000 χ^2/NDF:9041195997.1/22

Left: 0.432+/-0.000 χ^2/NDF: 17560906918.4/47

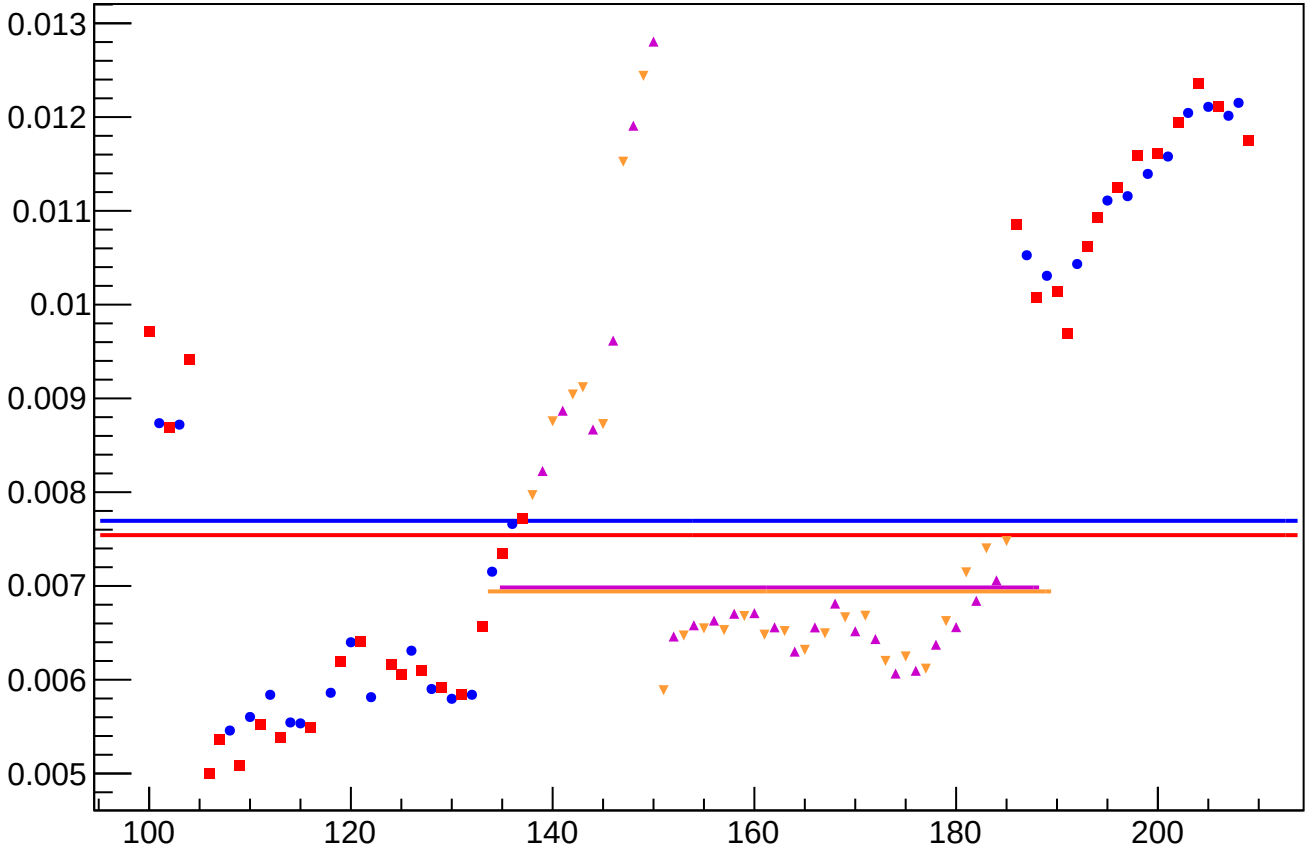
Right: 0.614+/-0.000 χ^2/NDF: 157153480756.1/58

In: 0.516+/-0.000 χ^2/NDF:83758987398.0/49

Out: 0.497+/-0.000 χ^2/NDF:100911507477.4/56

All: 0.506+/-0.000 χ^2/NDF: 184780067906.8

yield_bpm2i02X_rms vs Slug, Sign Corrected



Right In: 0.008+/-0.000 χ^2/NDF: 2839416.1/26

Left Out: 0.007+/-0.000 χ^2/NDF:1090916.4/24

Right Out: 0.008+/-0.000 χ^2/NDF: 3423857.4/31

Left In: 0.007+/-0.000 χ^2/NDF:1136529.0/22

Left: 0.007+/-0.000 χ^2/NDF: 2228107.8/47

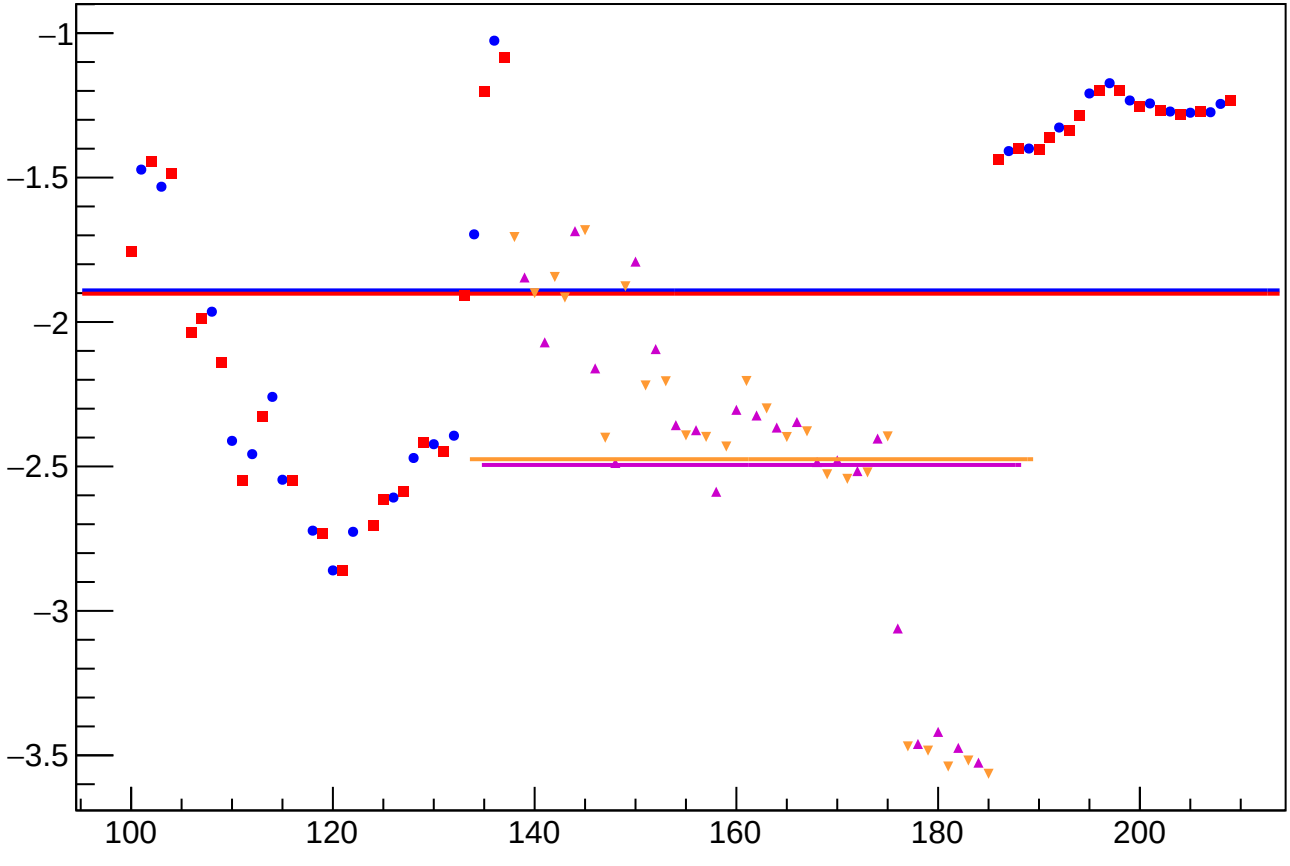
Right: 0.008+/-0.000 χ^2/NDF: 6269240.3/58

In: 0.007+/-0.000 χ^2/NDF:4122400.1/49

Out: 0.007+/-0.000 χ^2/NDF:4630081.9/56

All: 0.007+/-0.000 χ^2/NDF: 8756400.2/106

yield_bpm2i02Y_mean vs Slug, Sign Corrected



Right In: -1.891+/-0.000 χ^2/NDF: 111276498311.6/26

Left Out: -2.475+/-0.000 χ^2/NDF:122955897541.5/24

Right Out: -1.902+/-0.000 χ^2/NDF: 110018805627.1/31

Left In: -2.495+/-0.000 χ^2/NDF:96774638297.6/22

Left: -2.485+/-0.000 χ^2/NDF: 219817663018.7/47

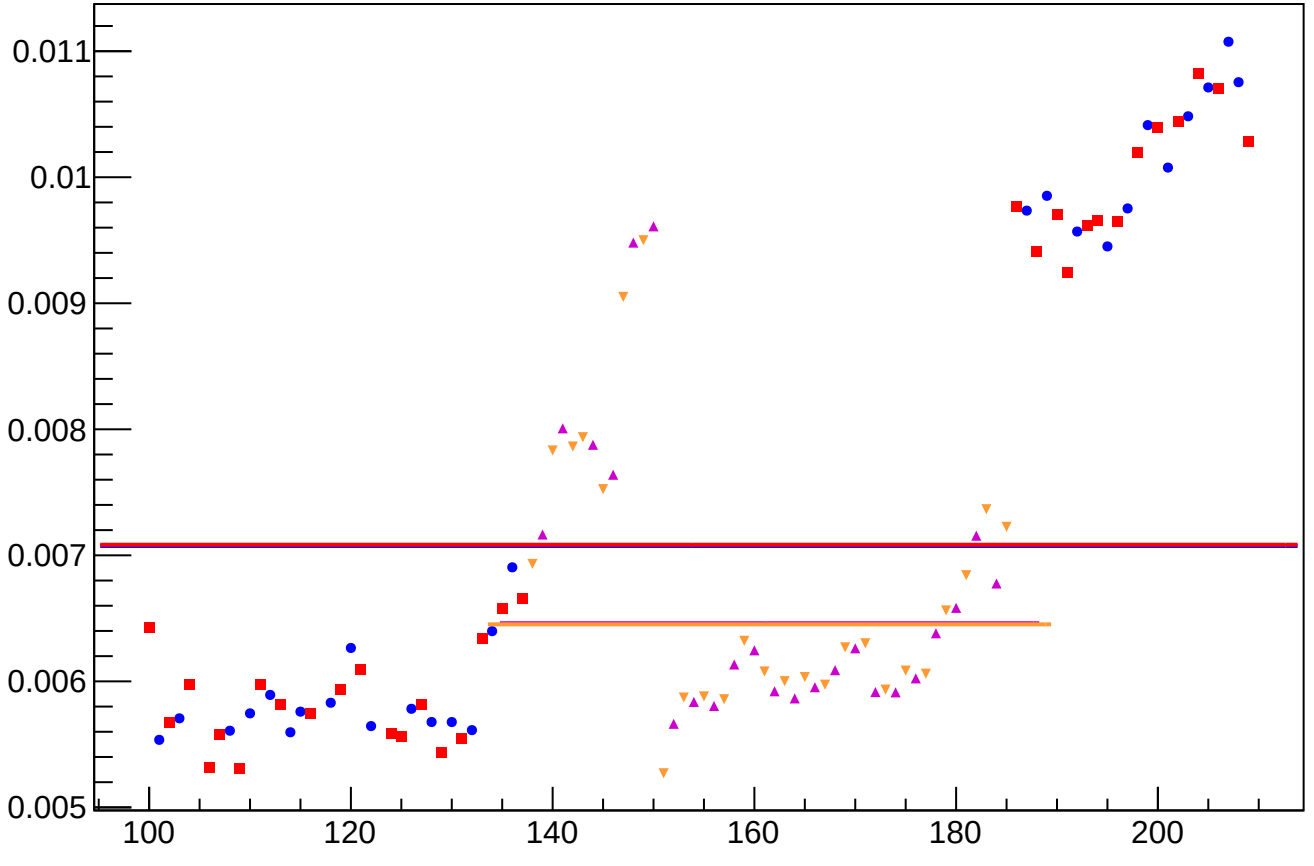
Right: -1.897+/-0.000 χ^2/NDF: 221315103510.9/58

In: -2.250+/-0.000 χ^2/NDF:271545293063.3/49

Out: -2.239+/-0.000 χ^2/NDF:294501337599.7/56

All: -2.244+/-0.000 χ^2/NDF: 566093840687.5

yield_bpm2i02Y_rms vs Slug, Sign Corrected



Right In: 0.007+/-0.000 χ^2/NDF: 2303620.7/26

Left Out: 0.006+/-0.000 χ^2/NDF:713238.0/24

Right Out: 0.007+/-0.000 χ^2/NDF: 2516458.8/31

Left In: 0.006+/-0.000 χ^2/NDF:720640.7/22

Left: 0.006+/-0.000 χ^2/NDF: 1433914.6/47

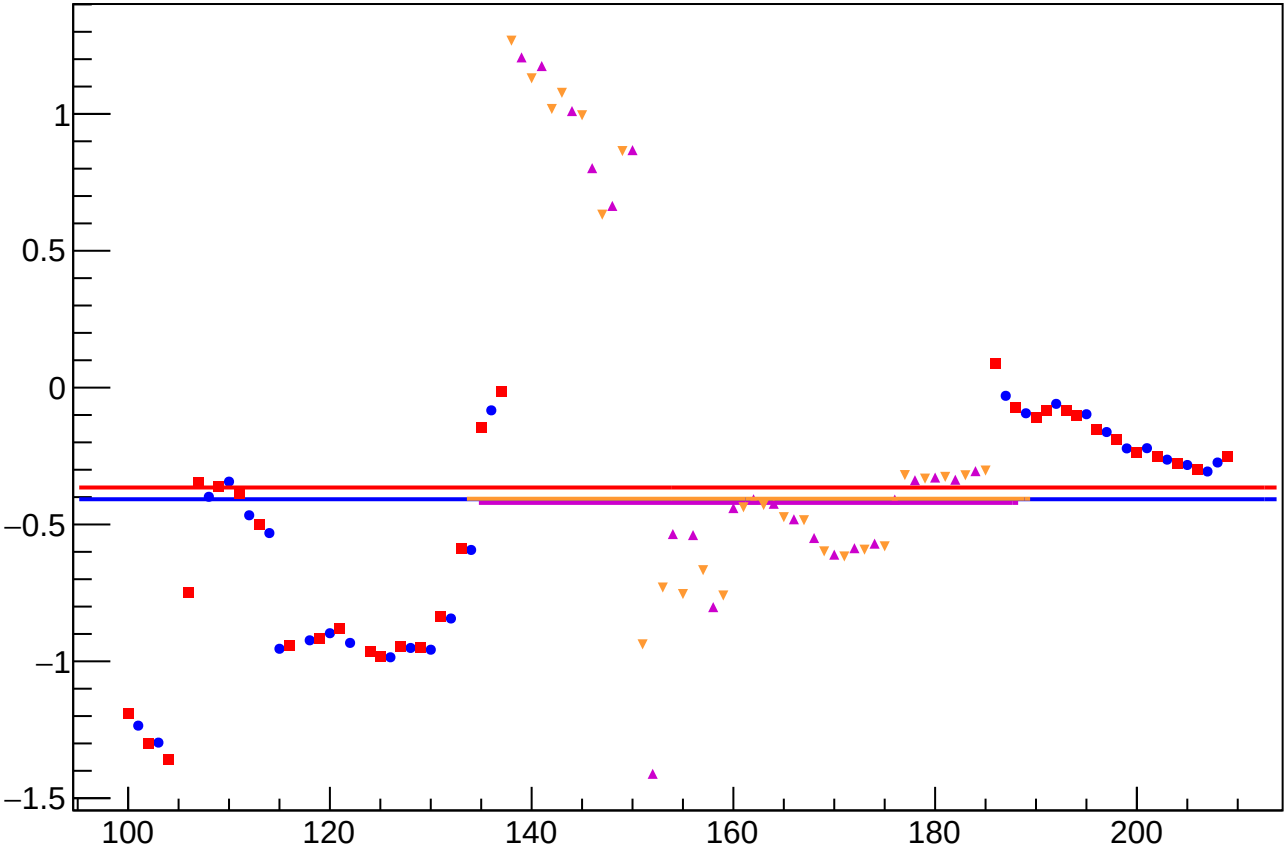
Right: 0.007+/-0.000 χ^2/NDF: 4820107.4/58

In: 0.007+/-0.000 χ^2/NDF:3154981.8/49

Out: 0.007+/-0.000 χ^2/NDF:3379225.3/56

All: 0.007+/-0.000 χ^2/NDF: 6534213.7/106

yield_bpm0i01X_mean vs Slug, Sign Corrected



Right In: -0.408+/-0.000 χ^2/NDF: 24228049560.6/26

Left Out: -0.406+/-0.000 χ^2/NDF:81633647828.2/24

Right Out: -0.365+/-0.000 χ^2/NDF: 27213407478.0/31

Left In: -0.421+/-0.000 χ^2/NDF:90241717621.7/22

Left: -0.413+/-0.000 χ^2/NDF: 171915637988.1/47

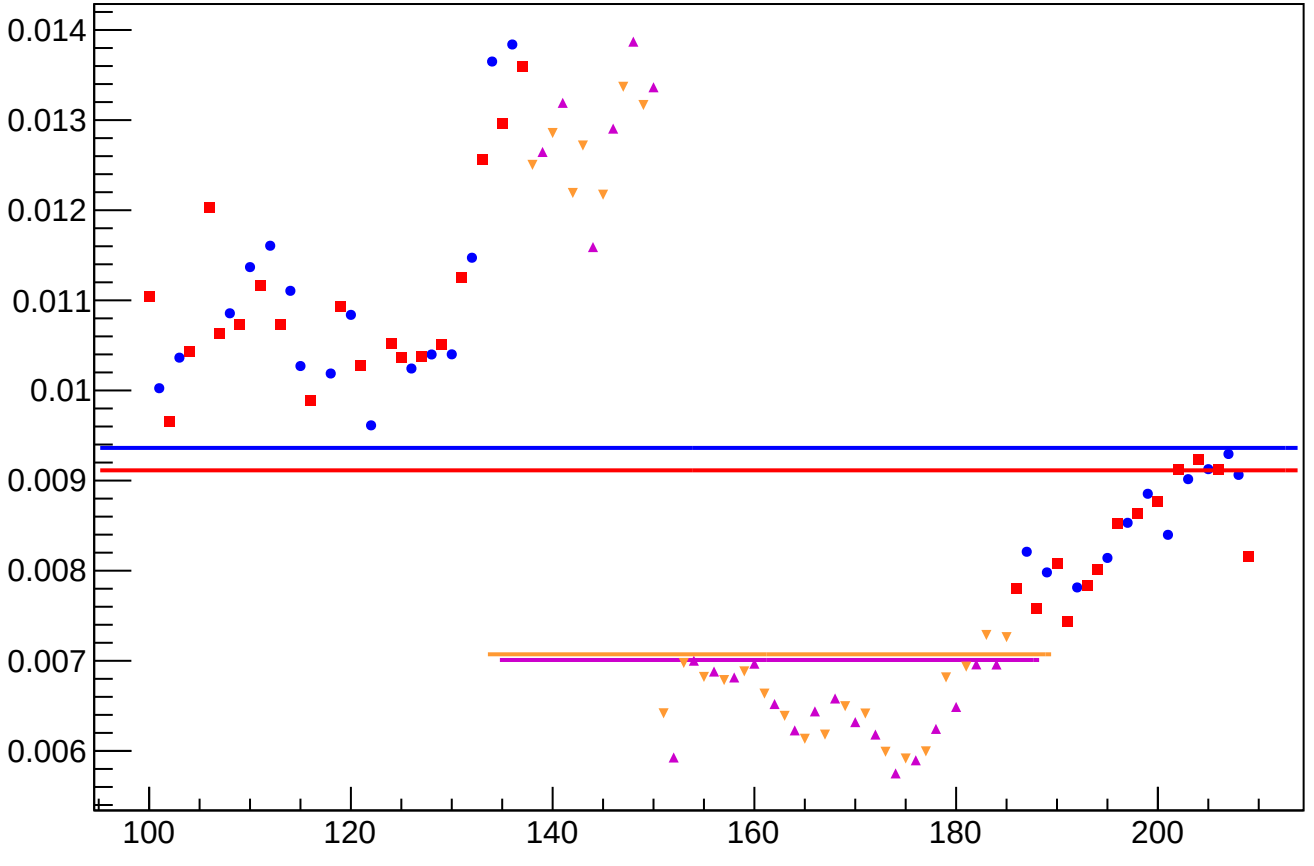
Right: -0.385+/-0.000 χ^2/NDF: 51612446530.9/58

In: -0.417+/-0.000 χ^2/NDF:114490347907.0/49

Out: -0.391+/-0.000 χ^2/NDF:109062579198.1/56

All: -0.403+/-0.000 χ^2/NDF: 223726228299.1

yield_bpm0i01X_rms vs Slug, Sign Corrected



Right In: 0.009+/-0.000 χ^2/NDF: 628862.8/26

Left Out: 0.007+/-0.000 χ^2/NDF:2384159.5/24

Right Out: 0.009+/-0.000 χ^2/NDF: 699577.0/31

Left In: 0.007+/-0.000 χ^2/NDF:2456348.6/22

Left: 0.007+/-0.000 χ^2/NDF: 4841897.1/47

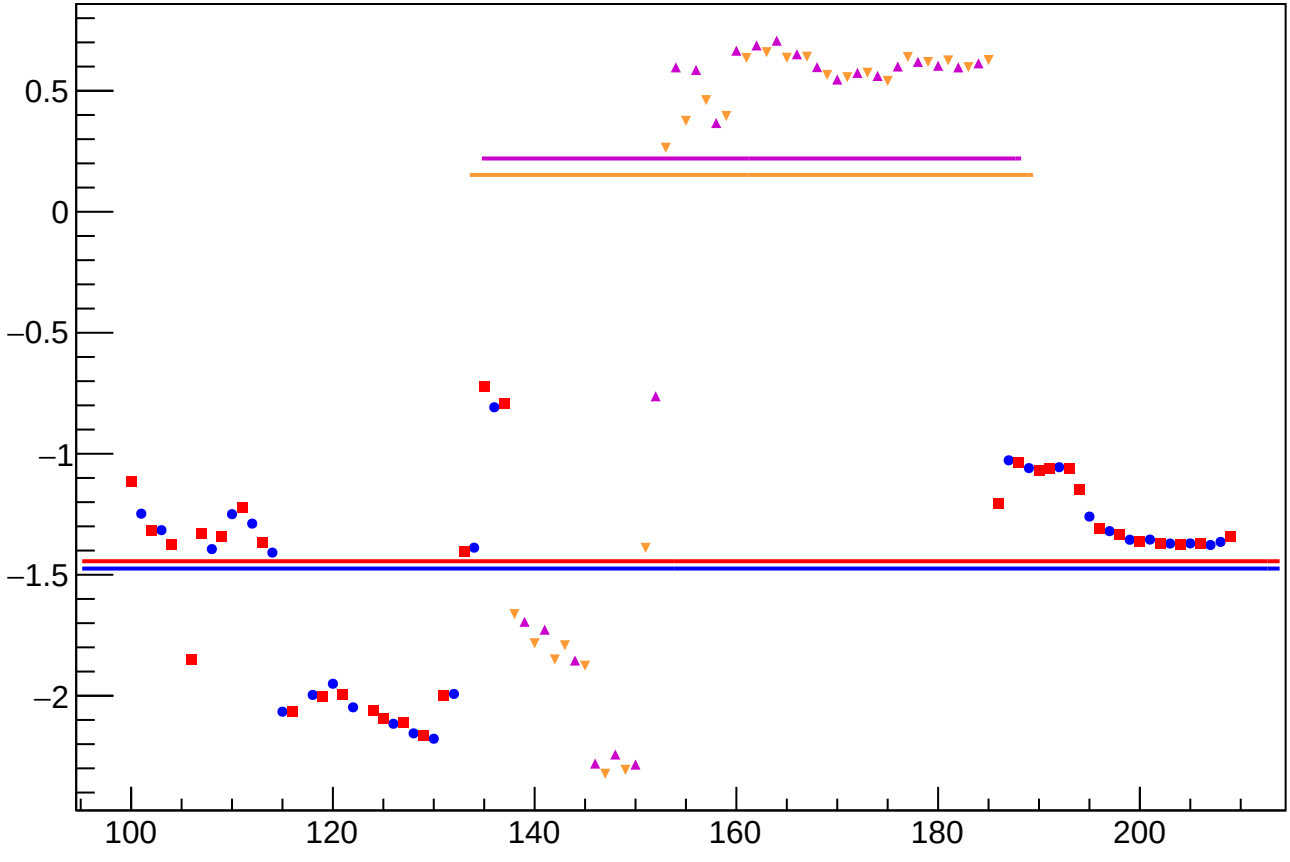
Right: 0.009+/-0.000 χ^2/NDF: 1339954.9/58

In: 0.008+/-0.000 χ^2/NDF:4360975.1/49

Out: 0.008+/-0.000 χ^2/NDF:4149302.1/56

All: 0.008+/-0.000 χ^2/NDF: 8510284.1/106

yield_bpm0i01Y_mean vs Slug, Sign Corrected



Right In: -1.474+/-0.000 χ^2/NDF: 183359495513.3/26

Left Out: 0.152+/-0.000 χ^2/NDF:2398778835341.2/24

Right Out: -1.444+/-0.000 χ^2/NDF: 172569968150.6/31

Left In: 0.220+/-0.000 χ^2/NDF:2121977245985.6/22

Left: 0.185+/-0.000 χ^2/NDF: 4527353258188.4/47

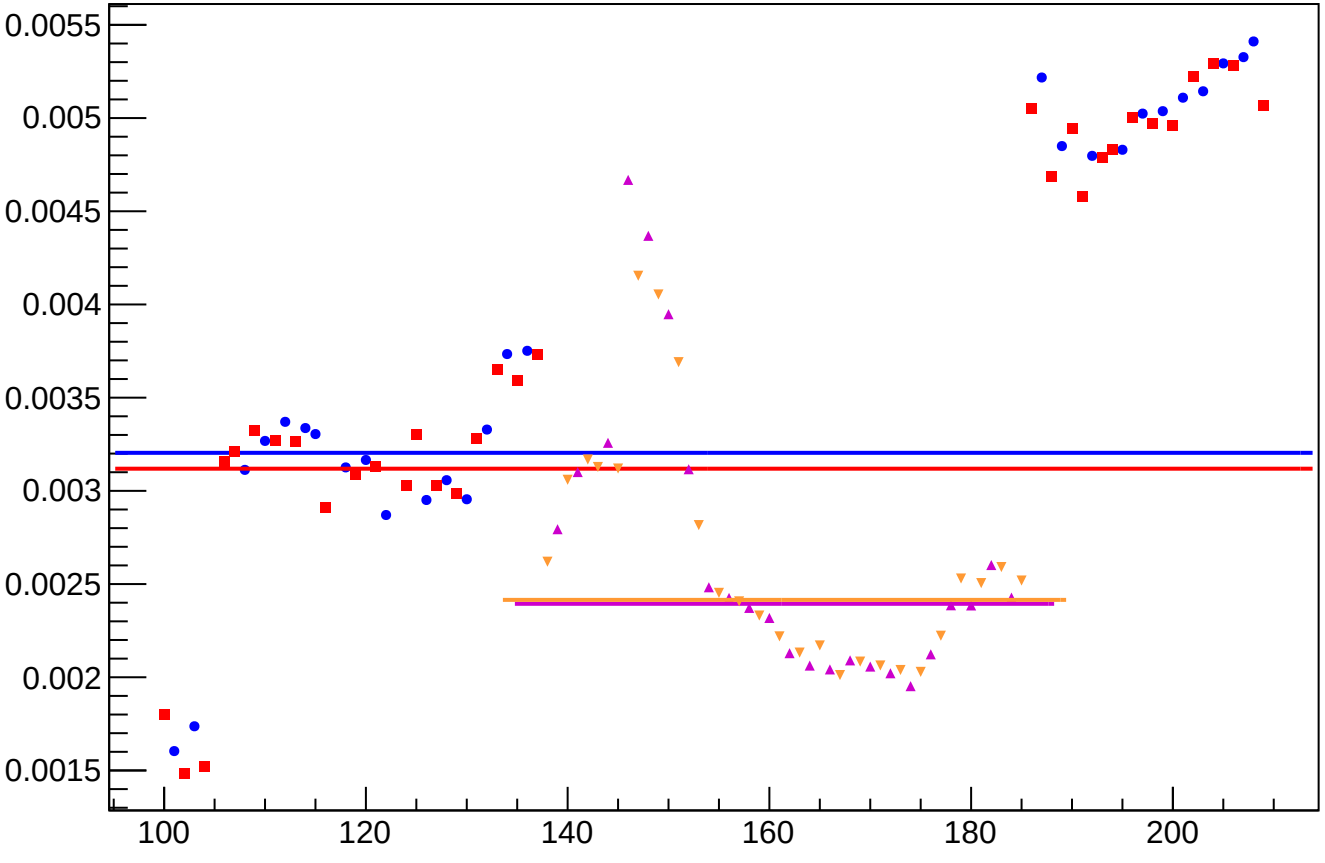
Right: -1.458+/-0.000 χ^2/NDF: 356536266847.7/58

In: -0.305+/-0.000 χ^2/NDF:4785421133995.2/49

Out: -0.365+/-0.000 χ^2/NDF:4986429682666.6/56

All: -0.336+/-0.000 χ^2/NDF: 9779382892007

yield_bpm0i01Y_rms vs Slug, Sign Corrected



Right In: 0.003+/-0.000 χ^2/NDF: 4242142.8/26

Left Out: 0.002+/-0.000 χ^2/NDF:1220406.4/24

Right Out: 0.003+/-0.000 χ^2/NDF: 5266451.5/31

Left In: 0.002+/-0.000 χ^2/NDF:1409595.4/22

Left: 0.002+/-0.000 χ^2/NDF: 2631272.1/47

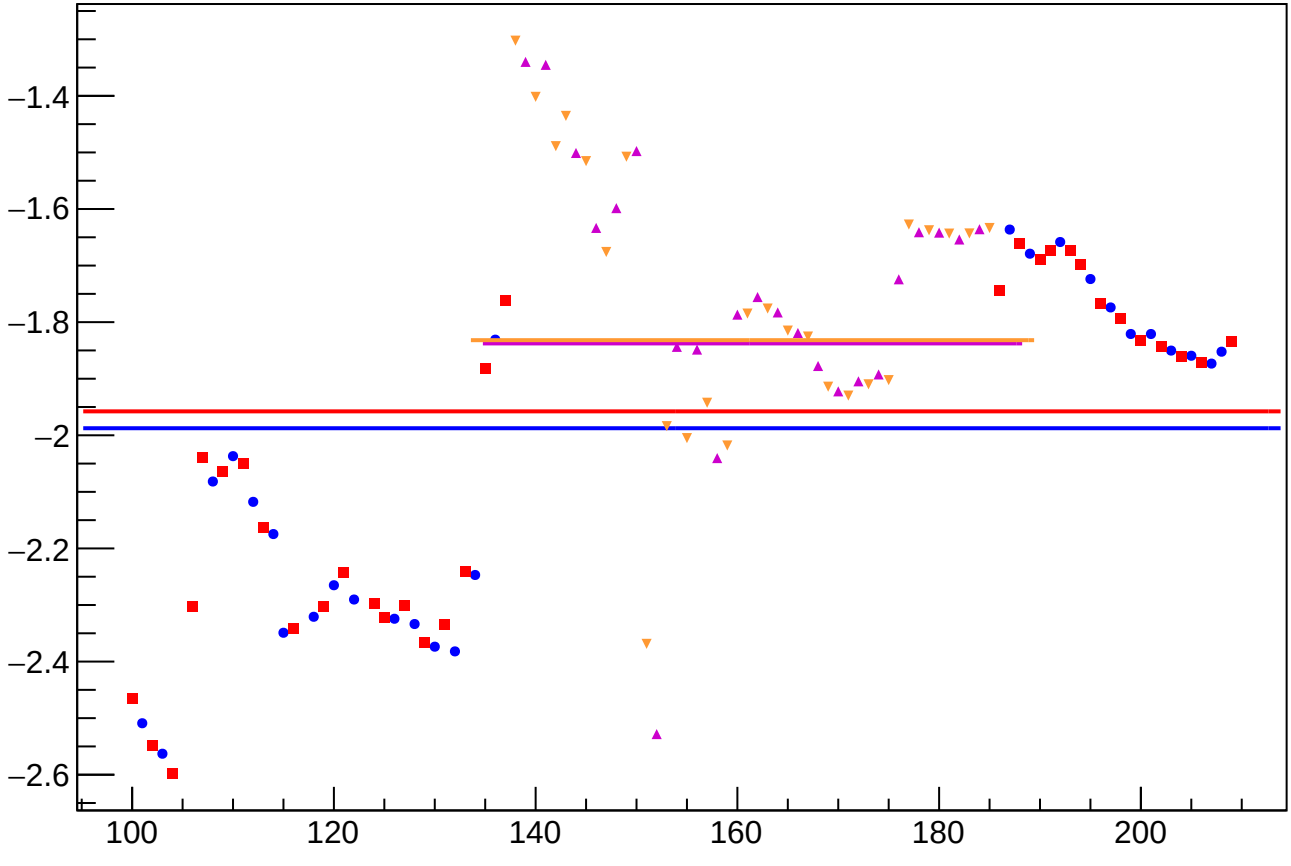
Right: 0.003+/-0.000 χ^2/NDF: 9518177.8/58

In: 0.003+/-0.000 χ^2/NDF:6784987.1/49

Out: 0.003+/-0.000 χ^2/NDF:7425655.6/56

All: 0.003+/-0.000 χ^2/NDF: 14210657.7/106

yield_bpm0i01aX_mean vs Slug, Sign Corrected



Right In: -1.988+/-0.000 χ^2/NDF: 33387582111.7/26

Left Out: -1.832+/-0.000 χ^2/NDF:38365576589.1/24

Right Out: -1.958+/-0.000 χ^2/NDF: 37785848598.0/31

Left In: -1.838+/-0.000 χ^2/NDF:53437434367.2/22

Left: -1.835+/-0.000 χ^2/NDF: 91818701563.9/47

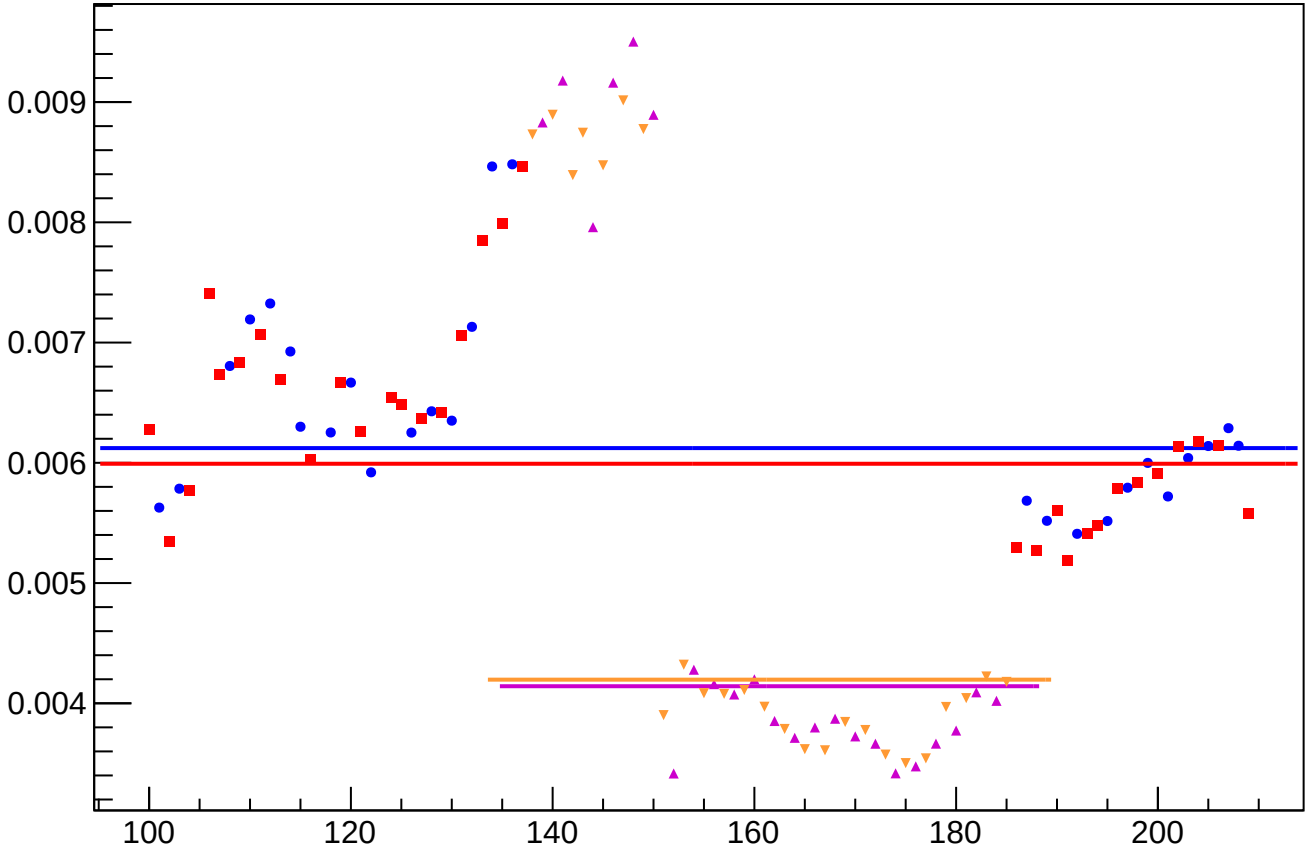
Right: -1.972+/-0.000 χ^2/NDF: 71365957846.0/58

In: -1.883+/-0.000 χ^2/NDF:93204308044.5/49

Out: -1.872+/-0.000 χ^2/NDF:81123141434.0/56

All: -1.877+/-0.000 χ^2/NDF: 174403571893.3

yield_bpm0i01aX_rms vs Slug, Sign Corrected



Right In: 0.006+/-0.000 χ^2/NDF: 366962.5/26

Left Out: 0.004+/-0.000 χ^2/NDF:3091489.2/24

Right Out: 0.006+/-0.000 χ^2/NDF: 389879.5/31

Left In: 0.004+/-0.000 χ^2/NDF:3193924.3/22

Left: 0.004+/-0.000 χ^2/NDF: 6288278.1/47

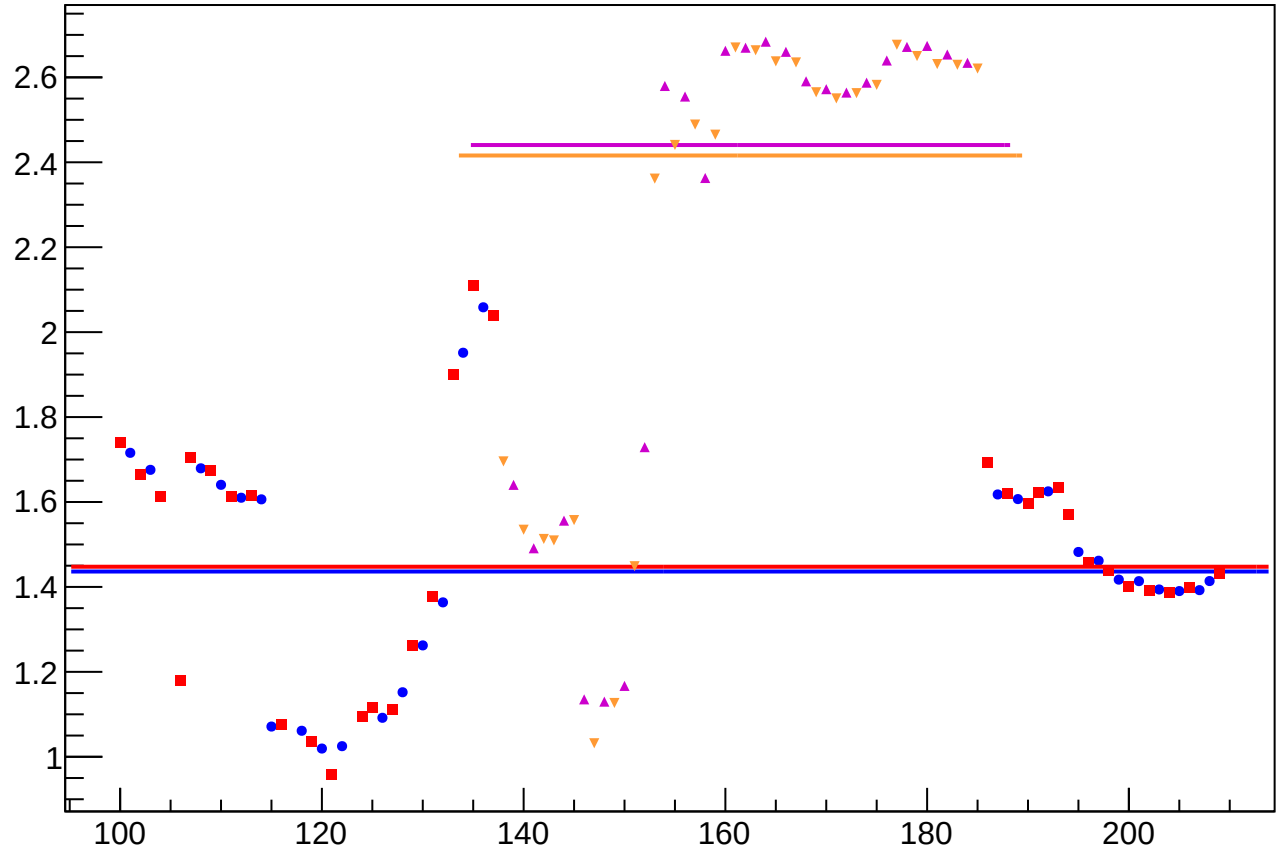
Right: 0.006+/-0.000 χ^2/NDF: 764190.7/58

In: 0.005+/-0.000 χ^2/NDF:5786951.1/49

Out: 0.005+/-0.000 χ^2/NDF:5505789.9/56

All: 0.005+/-0.000 χ^2/NDF: 11294450.3/106

yield_bpm0i01aY_mean vs Slug, Sign Corrected



Right In: 1.436+/-0.000 χ^2/NDF: 191483299925.3/26

Left Out: 2.416+/-0.000 χ^2/NDF:242949391498.0/24

Right Out: 1.448+/-0.000 χ^2/NDF: 186633509762.2/31

Left In: 2.441+/-0.000 χ^2/NDF:231724954471.8/22

Left: 2.428+/-0.000 χ^2/NDF: 475134633285.5/47

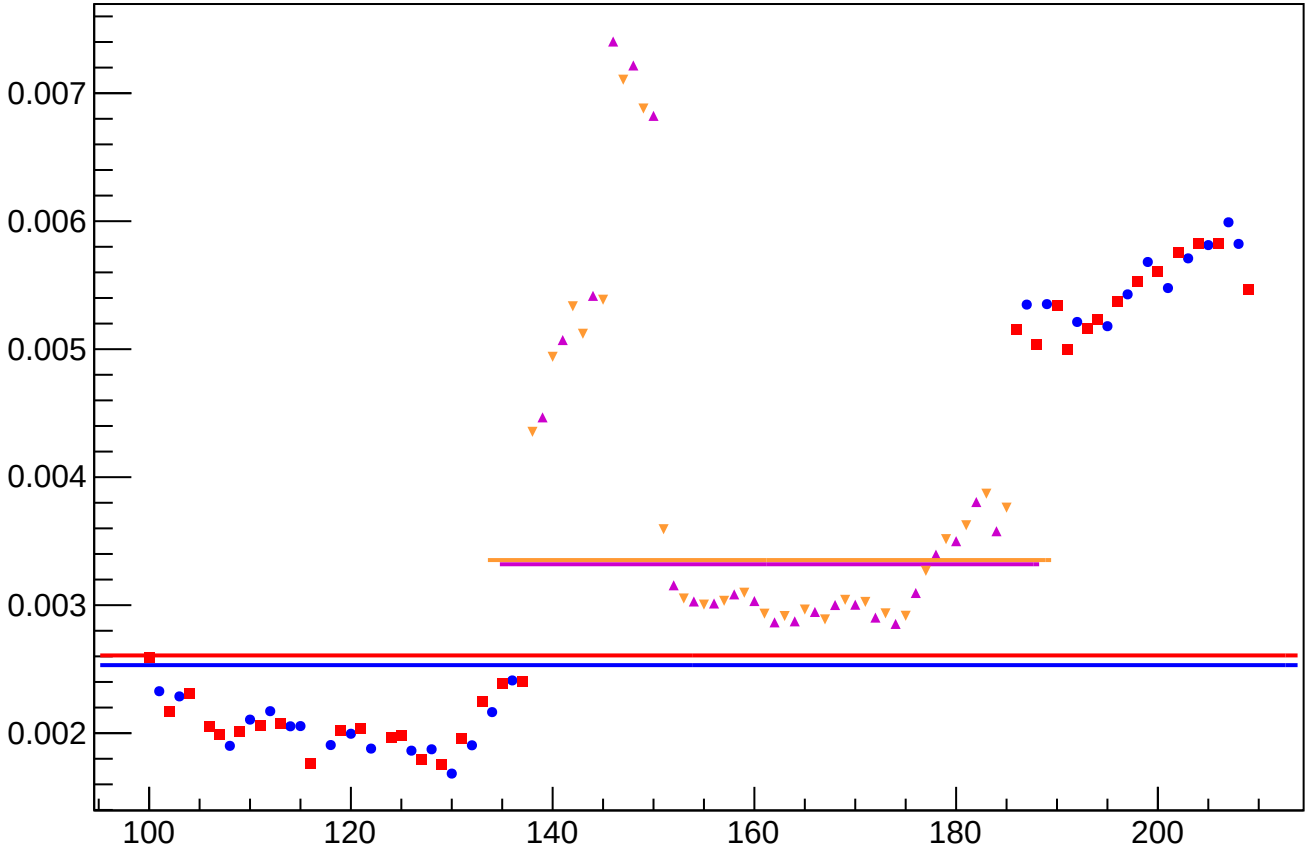
Right: 1.442+/-0.000 χ^2/NDF: 378239461541.5/58

In: 1.876+/-0.000 χ^2/NDF:1263350809345.4/49

Out: 1.875+/-0.000 χ^2/NDF:1242249347873.4/56

All: 1.876+/-0.000 χ^2/NDF: 2505601075691.

yield_bpm0i01aY_rms vs Slug, Sign Corrected



Right In: 0.003+/-0.000 χ^2/NDF: 6045604.8/26

Left Out: 0.003+/-0.000 χ^2/NDF:1819921.4/24

Right Out: 0.003+/-0.000 χ^2/NDF: 6465942.2/31

Left In: 0.003+/-0.000 χ^2/NDF:2055631.9/22

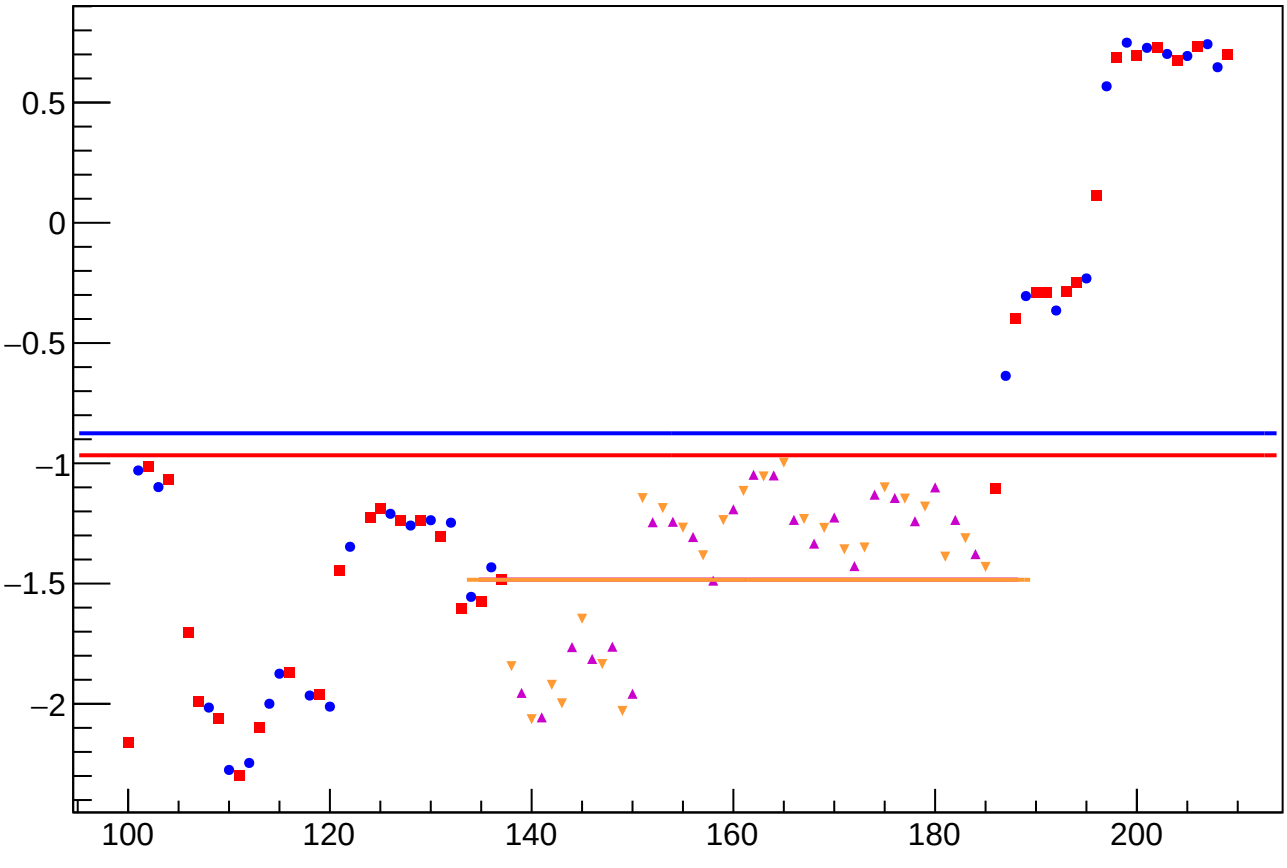
Left: 0.003+/-0.000 χ^2/NDF: 3877180.3/47

Right: 0.003+/-0.000 χ^2/NDF: 12522656.1/58

In: 0.003+/-0.000 χ^2/NDF:9135919.7/49

Out: 0.003+/-0.000 χ^2/NDF:9247814.1/56

All: 0.003+/-0.000 χ^2/NDF: 18396079.5/106



Right In: -0.875+/-0.000 χ^2/NDF: 203341737699.6/26

Left Out: -1.484+/-0.000 χ^2/NDF:48438764764.6/24

Right Out: -0.967+/-0.000 χ^2/NDF: 239613513098.5/31

Left In: -1.483+/-0.000 χ^2/NDF:40353431150.9/22

Left: -1.484+/-0.000 χ^2/NDF: 88792333216.2/47

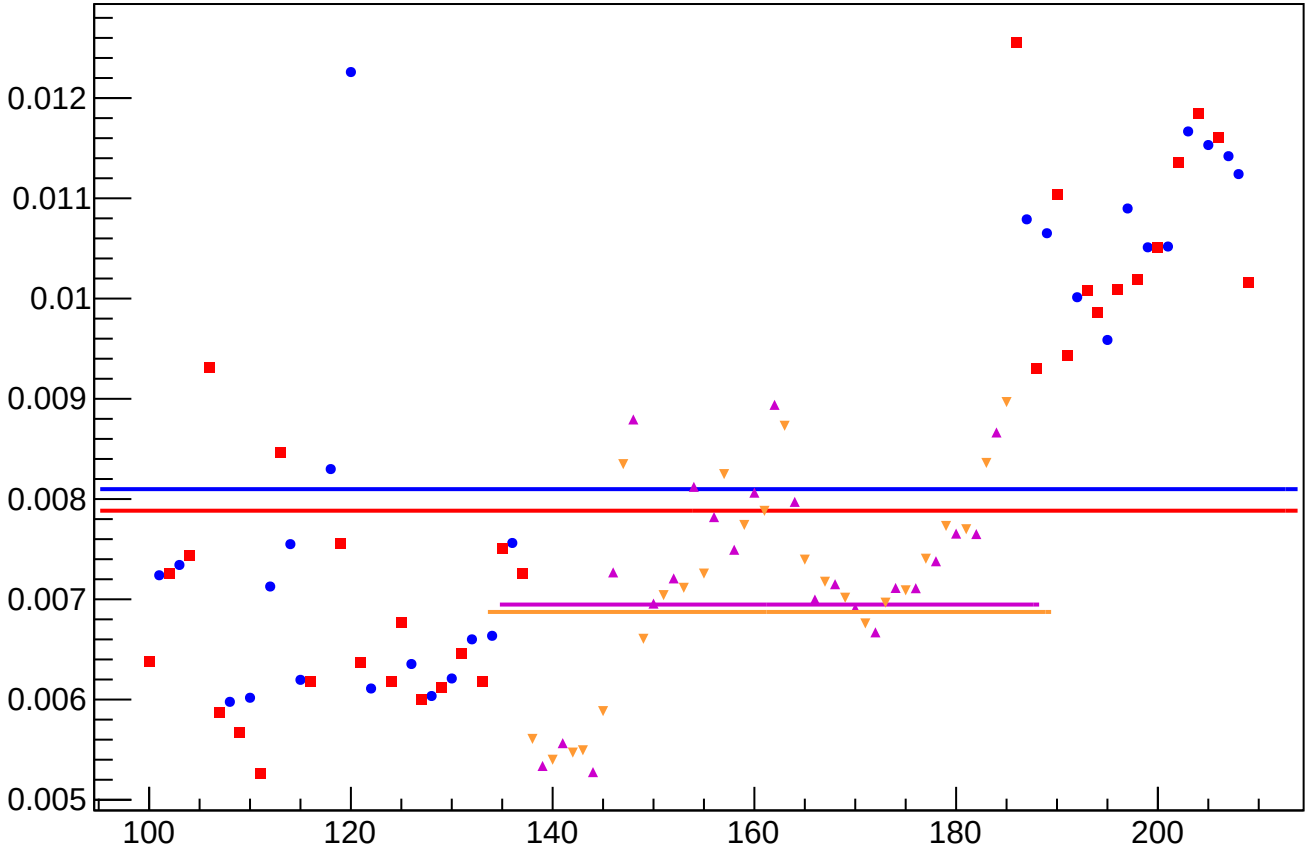
Right: -0.924+/-0.000 χ^2/NDF: 443918107867.7/58

In: -1.254+/-0.000 χ^2/NDF:292948347160.9/49

Out: -1.280+/-0.000 χ^2/NDF:328482533996.9/56

All: -1.268+/-0.000 χ^2/NDF: 621643417138.6

yield_bpm0l01X_rms vs Slug, Sign Corrected



Right In: 0.008+/-0.000 χ^2/NDF: 1798674.3/26

Left Out: 0.007+/-0.000 χ^2/NDF:745531.3/24

Right Out: 0.008+/-0.000 χ^2/NDF: 2101361.1/31

Left In: 0.007+/-0.000 χ^2/NDF:746731.6/22

Left: 0.007+/-0.000 χ^2/NDF: 1494256.2/47

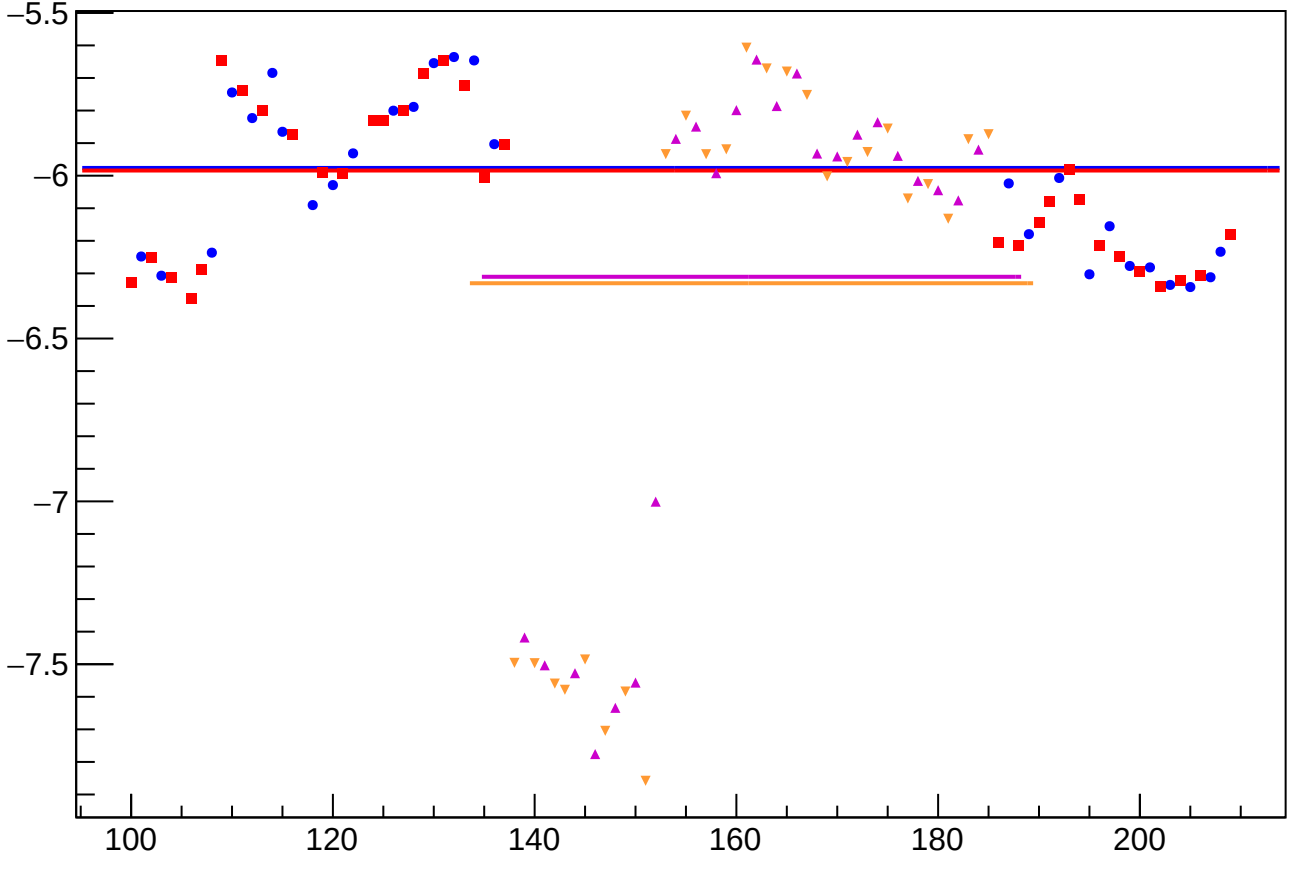
Right: 0.008+/-0.000 χ^2/NDF: 3910676.9/58

In: 0.007+/-0.000 χ^2/NDF:2898447.5/49

Out: 0.007+/-0.000 χ^2/NDF:3154826.8/56

All: 0.007+/-0.000 χ^2/NDF: 6060589.0/106

yield_bpm0l01Y_mean vs Slug, Sign Corrected



Right In: -5.976+/-0.000 χ^2/NDF: 15779223792.2/26

Left Out: -6.330+/-0.000 χ^2/NDF:110328634370.4/24

Right Out: -5.984+/-0.000 χ^2/NDF: 16485432396.4/31

Left In: -6.310+/-0.000 χ^2/NDF:91689184100.9/22

Left: -6.321+/-0.000 χ^2/NDF: 202054497687.3/47

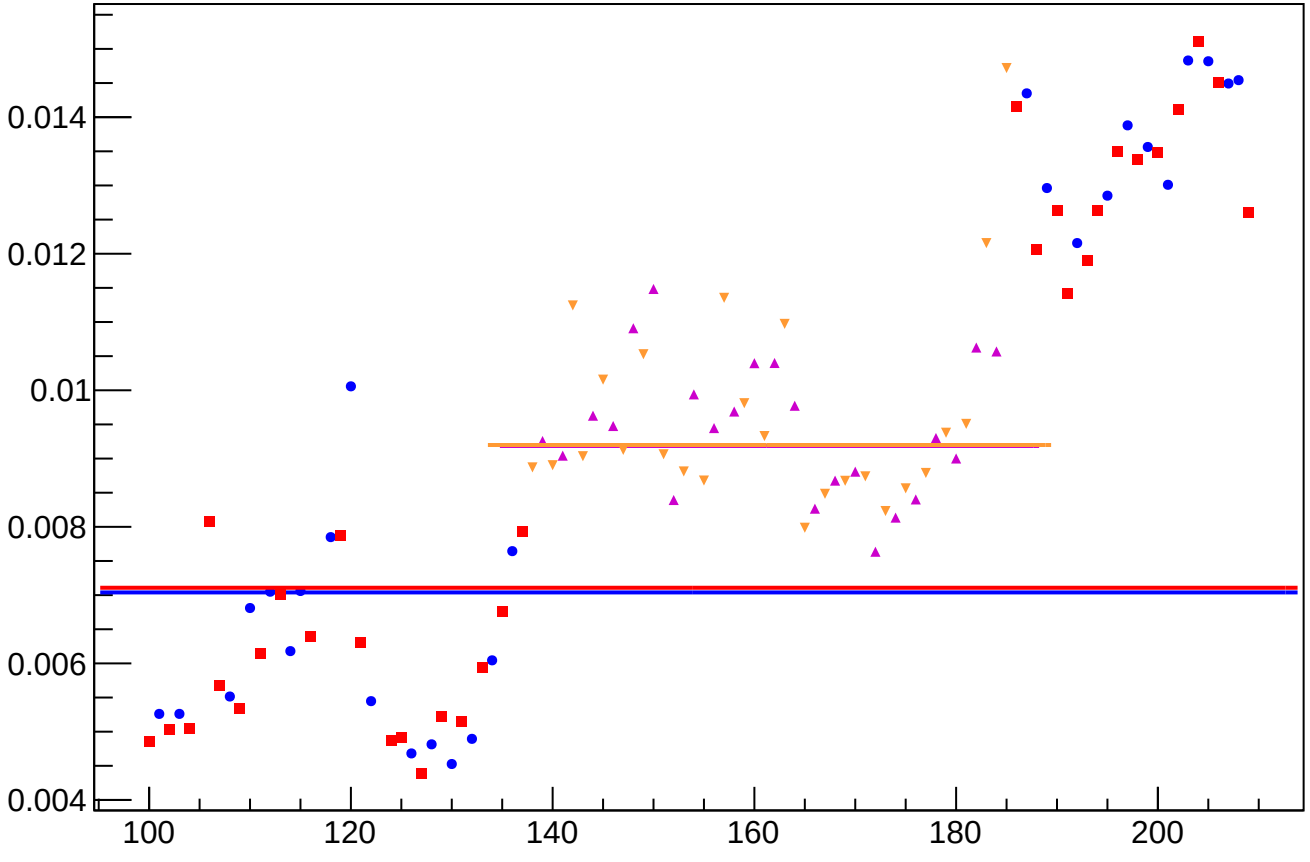
Right: -5.980+/-0.000 χ^2/NDF: 32272564921.0/58

In: -6.120+/-0.000 χ^2/NDF:119106441818.3/49

Out: -6.129+/-0.000 χ^2/NDF:140097766718.7/56

All: -6.125+/-0.000 χ^2/NDF: 259223084280.5

yield_bpm0l01Y_rms vs Slug, Sign Corrected



Right In: 0.007+/-0.000 χ^2/NDF: 5277277.3/26

Left Out: 0.009+/-0.000 χ^2/NDF:367040.4/24

Right Out: 0.007+/-0.000 χ^2/NDF: 5449999.2/31

Left In: 0.009+/-0.000 χ^2/NDF:319063.5/22

Left: 0.009+/-0.000 χ^2/NDF: 686142.8/47

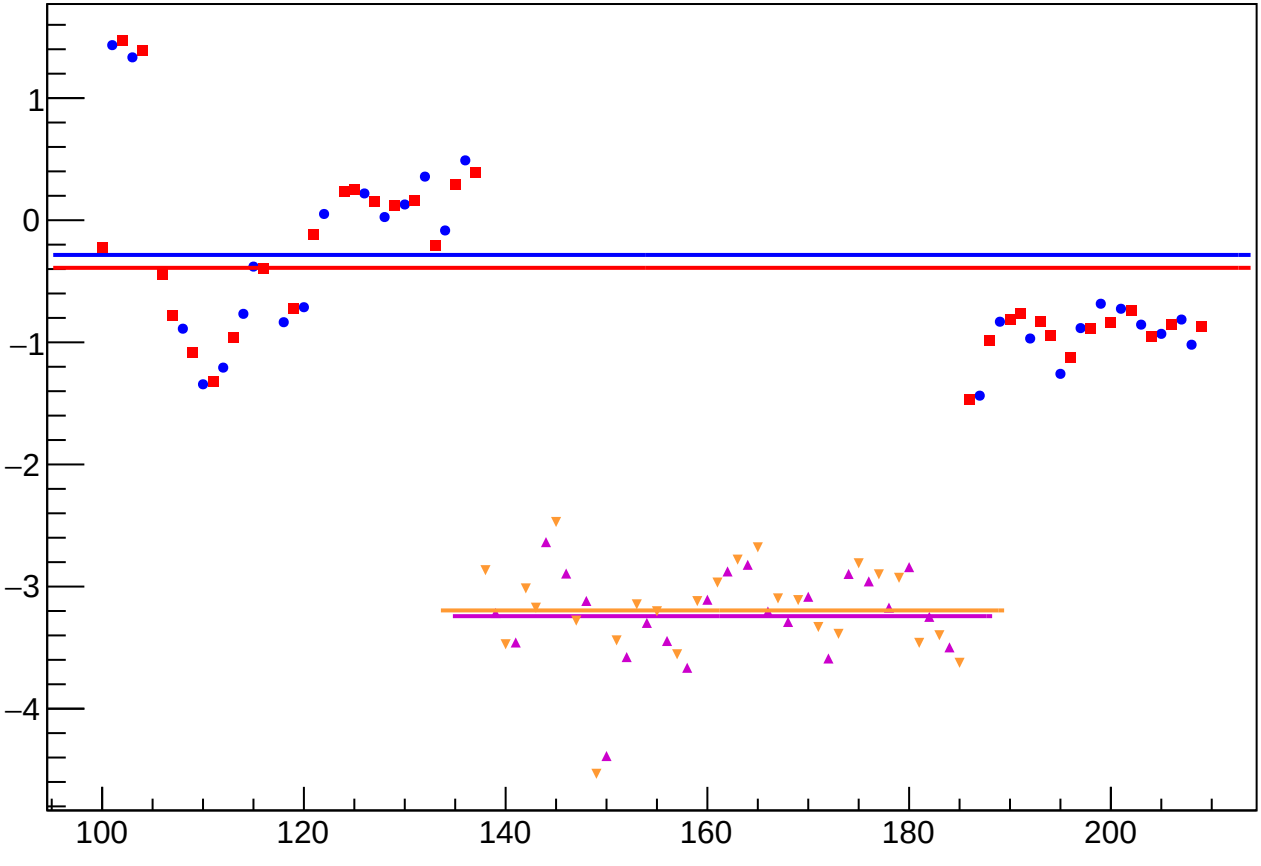
Right: 0.007+/-0.000 χ^2/NDF: 10728464.8/58

In: 0.008+/-0.000 χ^2/NDF:6555038.7/49

Out: 0.008+/-0.000 χ^2/NDF:6786429.6/56

All: 0.008+/-0.000 χ^2/NDF: 13341692.3/106

yield_bpm0l02X_mean vs Slug, Sign Corrected



Right In: -0.284+/-0.000 χ^2/NDF: 34267362735.8/26

Left Out: -3.195+/-0.000 χ^2/NDF:9538006171.4/24

Right Out: -0.390+/-0.000 χ^2/NDF: 35723832714.0/31

Left In: -3.242+/-0.000 χ^2/NDF:7955956403.6/22

Left: -3.218+/-0.000 χ^2/NDF: 17560435430.7/47

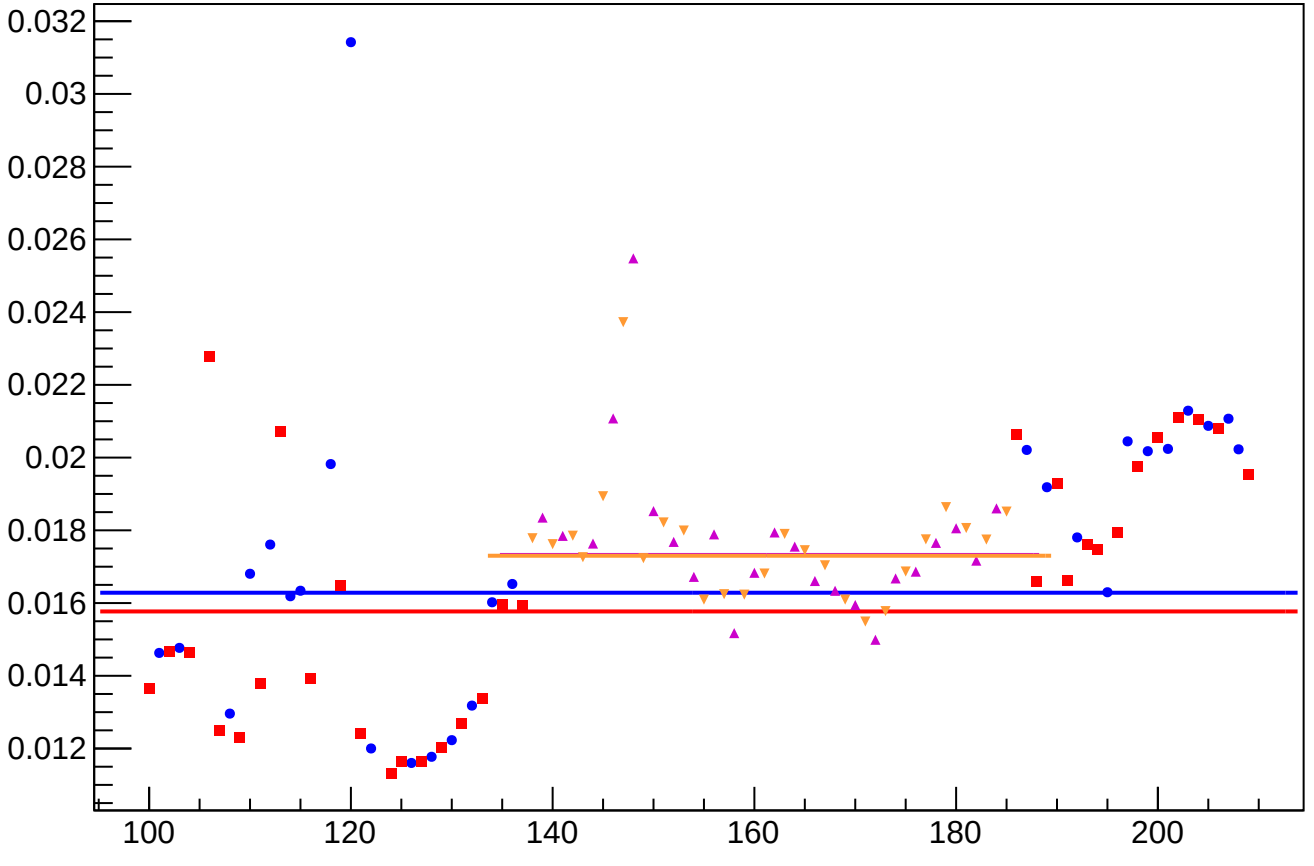
Right: -0.342+/-0.000 χ^2/NDF: 70316815063.7/58

In: -1.824+/-0.000 χ^2/NDF:287218451230.2/49

Out: -1.776+/-0.000 χ^2/NDF:292502705460.3/56

All: -1.799+/-0.000 χ^2/NDF: 579862306920.2

yield_bpm0l02X_rms vs Slug, Sign Corrected



Right In: 0.016+/-0.000 χ^2/NDF: 1351222.6/26

Left Out: 0.017+/-0.000 χ^2/NDF:218030.0/24

Right Out: 0.016+/-0.000 χ^2/NDF: 1382578.5/31

Left In: 0.017+/-0.000 χ^2/NDF:329879.6/22

Left: 0.017+/-0.000 χ^2/NDF: 547937.7/47

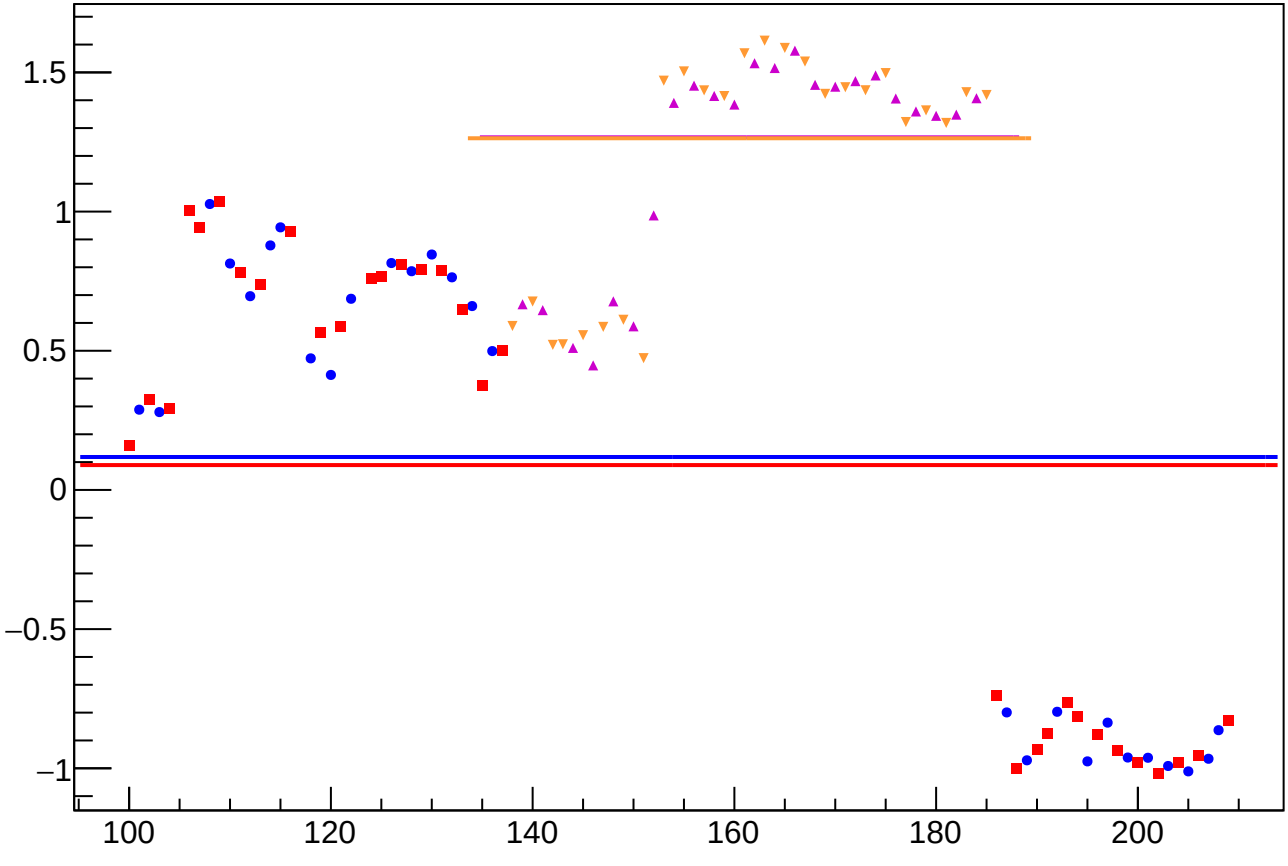
Right: 0.016+/-0.000 χ^2/NDF: 2749236.5/58

In: 0.017+/-0.000 χ^2/NDF:1741519.0/49

Out: 0.017+/-0.000 χ^2/NDF:1748026.1/56

All: 0.017+/-0.000 χ^2/NDF: 3500135.5/106

yield_bpm0l02Y_mean vs Slug, Sign Corrected



Right In: 0.118+/-0.000 χ^2/NDF: 77416102807.8/26

Left Out: 1.263+/-0.000 χ^2/NDF:45594559273.0/24

Right Out: 0.089+/-0.000 χ^2/NDF: 91020174703.0/31

Left In: 1.267+/-0.000 χ^2/NDF:37614918579.9/22

Left: 1.265+/-0.000 χ^2/NDF: 83211392403.2/47

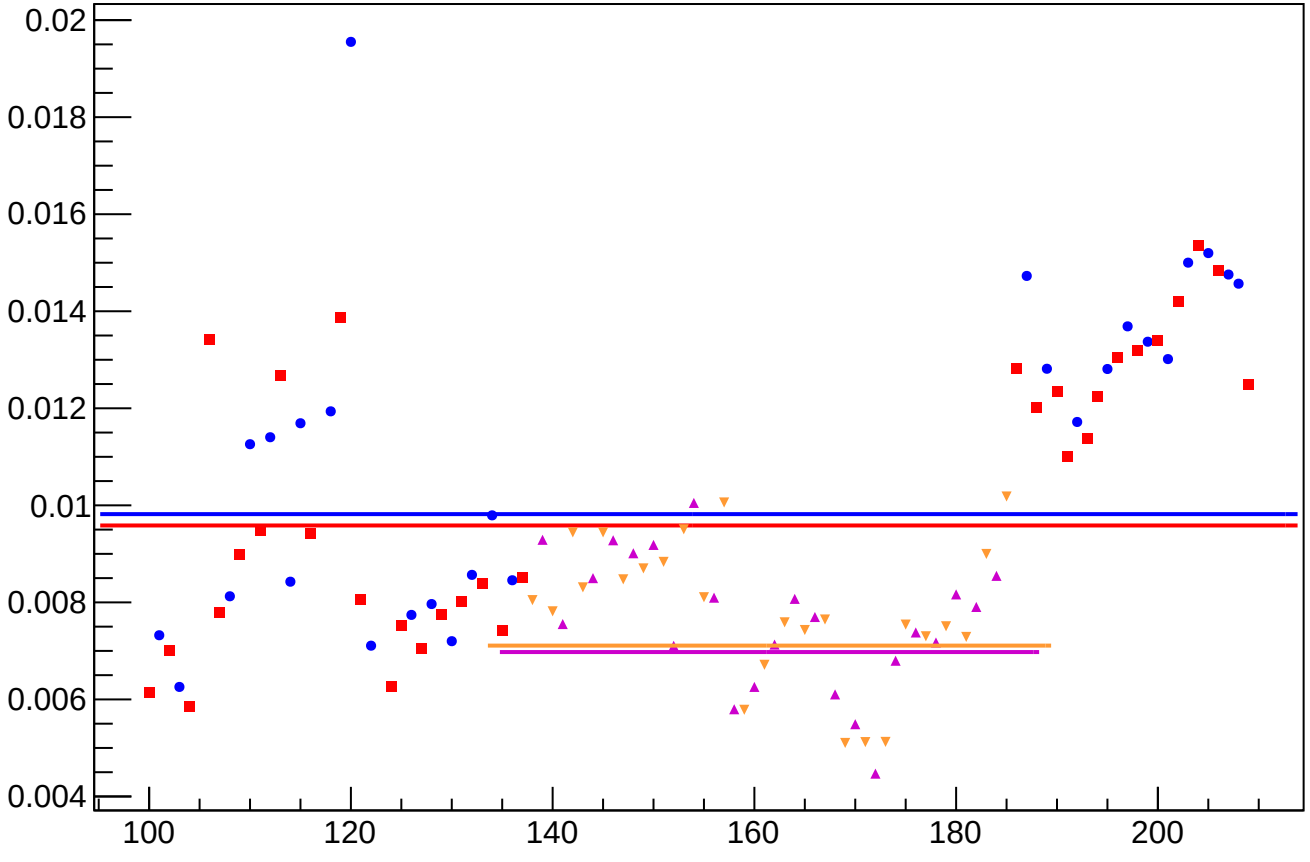
Right: 0.103+/-0.000 χ^2/NDF: 168499311737.5/58

In: 0.929+/-0.000 χ^2/NDF:244652545806.5/49

Out: 0.883+/-0.000 χ^2/NDF:286854634291.4/56

All: 0.905+/-0.000 χ^2/NDF: 532010334648.4

yield_bpm0l02Y_rms vs Slug, Sign Corrected



Right In: 0.010+/-0.000 χ^2/NDF: 2545539.7/26

Left Out: 0.007+/-0.000 χ^2/NDF:1519295.8/24

Right Out: 0.010+/-0.000 χ^2/NDF: 2654189.9/31

Left In: 0.007+/-0.000 χ^2/NDF:1457031.8/22

Left: 0.007+/-0.000 χ^2/NDF: 2982253.4/47

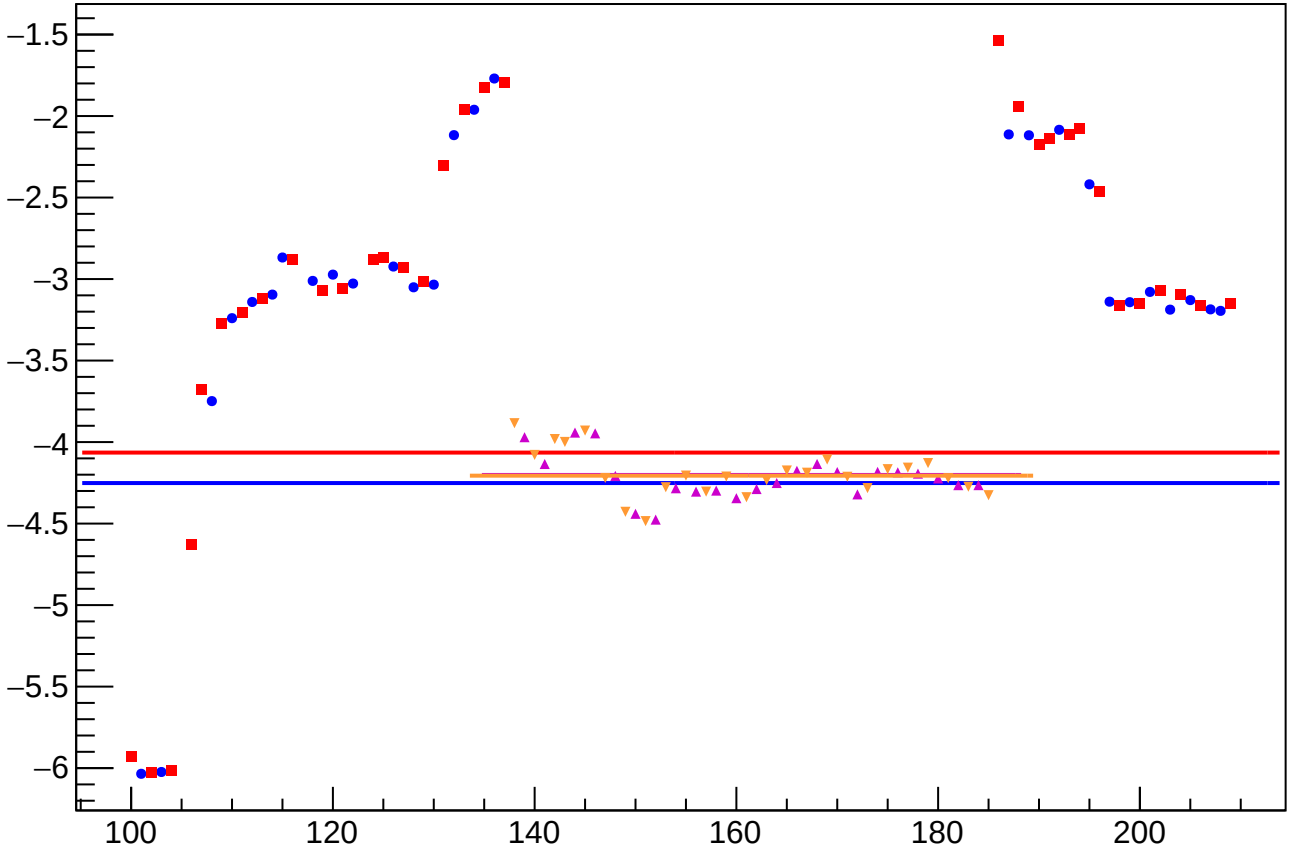
Right: 0.010+/-0.000 χ^2/NDF: 5207902.9/58

In: 0.008+/-0.000 χ^2/NDF:5590821.2/49

Out: 0.008+/-0.000 χ^2/NDF:5509520.8/56

All: 0.008+/-0.000 χ^2/NDF: 11104996.8/106

yield_bpm0l03X_mean vs Slug, Sign Corrected



Right In: -4.251+/-0.000 χ^2/NDF: 294466665821.0/26

Left Out: -4.206+/-0.000 χ^2/NDF:61558336.8/24

Right Out: -4.064+/-0.000 χ^2/NDF: 301775286432.9/31

Left In: -4.202+/-0.000 χ^2/NDF:42747893.4/22

Left: -4.203+/-0.000 χ^2/NDF: 104337107.5/47

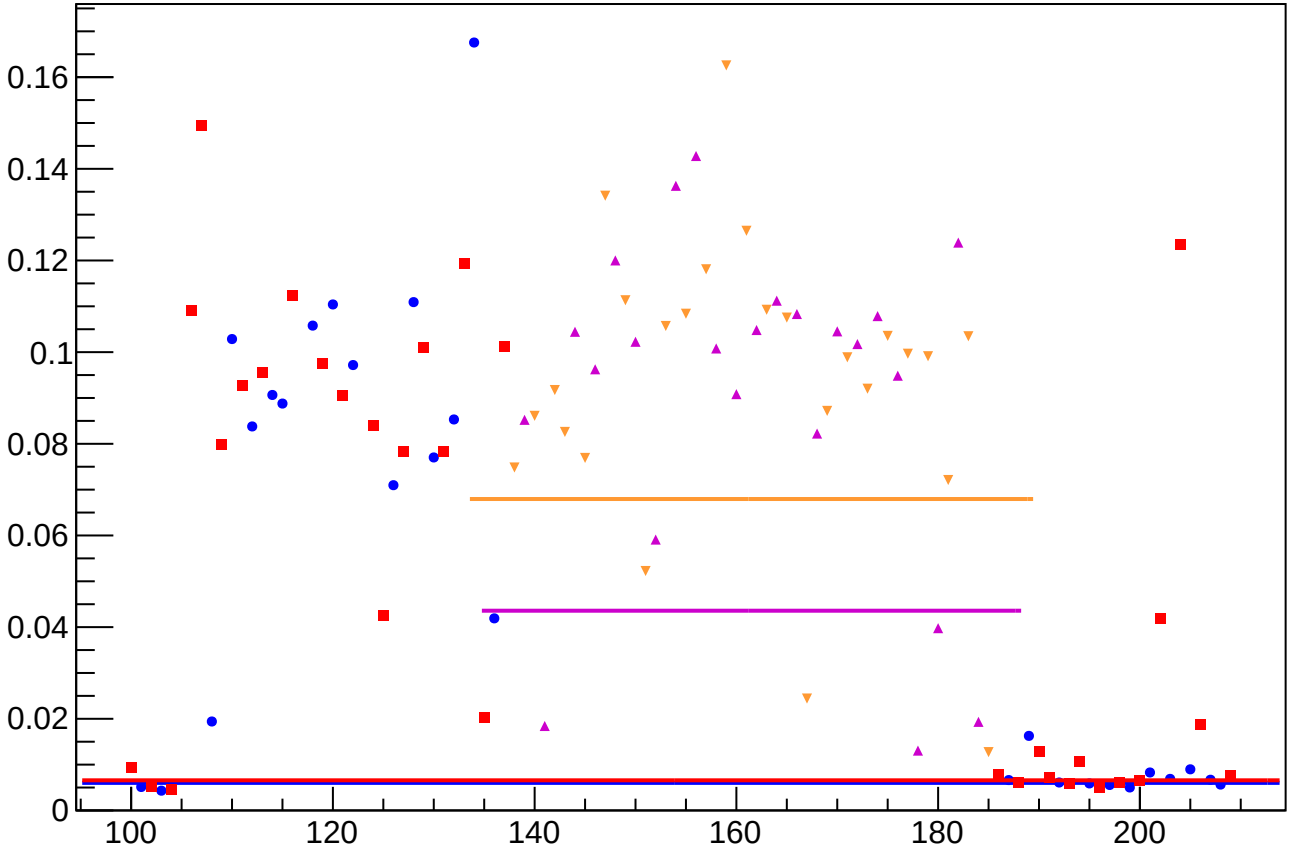
Right: -4.169+/-0.000 χ^2/NDF: 598018138940.0/58

In: -4.250+/-0.000 χ^2/NDF:294519159852.7/49

Out: -4.068+/-0.000 χ^2/NDF:301888699067.3/56

All: -4.170+/-0.000 χ^2/NDF: 598130036814.4

yield_bpm0l03X_rms vs Slug, Sign Corrected



Right In: 0.006+/-0.000 χ^2/NDF: 8914270.6/26

Left Out: 0.068+/-0.000 χ^2/NDF:7631751.0/24

Right Out: 0.007+/-0.000 χ^2/NDF: 10682995.1/31

Left In: 0.044+/-0.000 χ^2/NDF:12761920.2/22

Left: 0.053+/-0.000 χ^2/NDF: 22308835.8/47

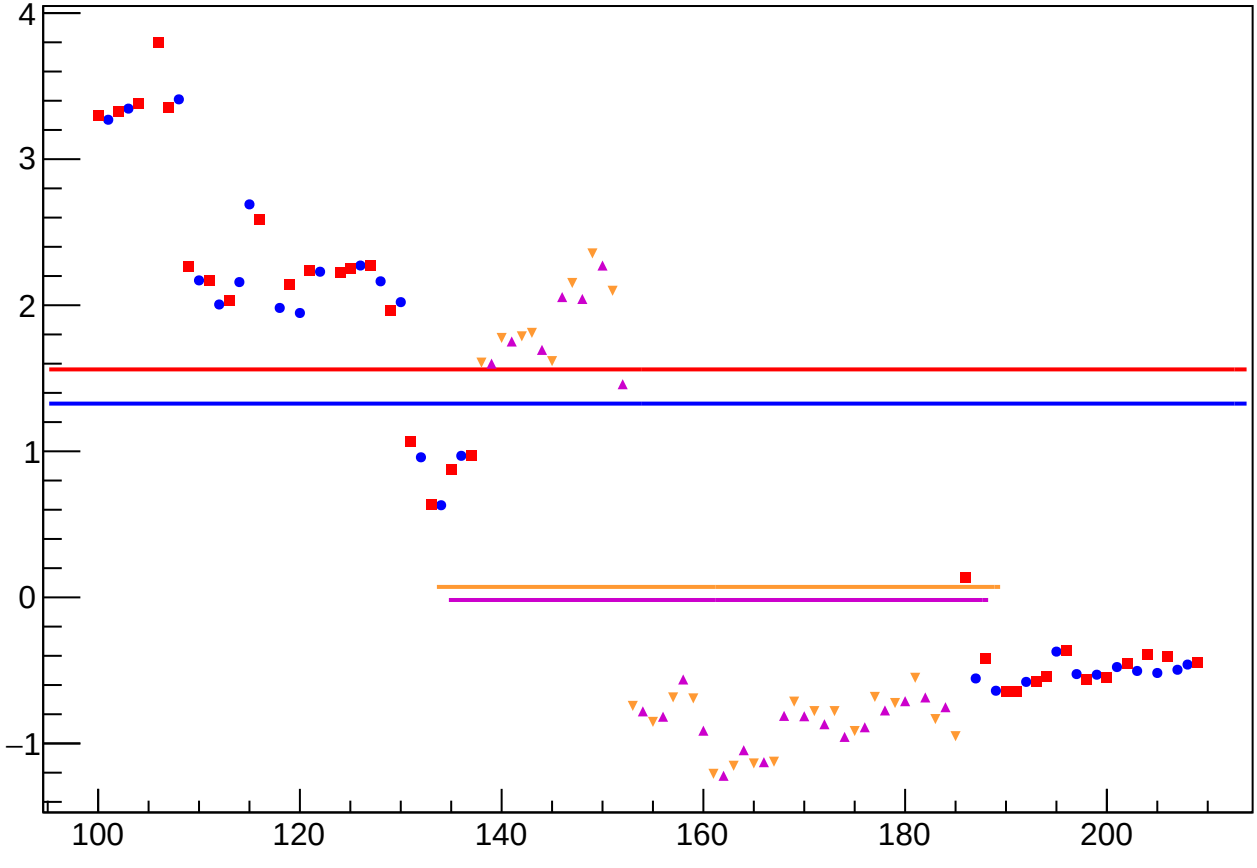
Right: 0.006+/-0.000 χ^2/NDF: 19628753.1/58

In: 0.007+/-0.000 χ^2/NDF:32828994.2/49

Out: 0.008+/-0.000 χ^2/NDF:37790498.0/56

All: 0.008+/-0.000 χ^2/NDF: 70730617.0/106

yield_bpm0l03Y_mean vs Slug, Sign Corrected



Right In: 1.327+/-0.000 χ^2/NDF: 228782022009.1/26

Left Out: 0.072+/-0.000 χ^2/NDF:3635027099.6/24

Right Out: 1.561+/-0.000 χ^2/NDF: 194044251476.9/31

Left In: -0.018+/-0.000 χ^2/NDF:3455714643.1/22

Left: 0.024+/-0.000 χ^2/NDF: 7099580100.2/47

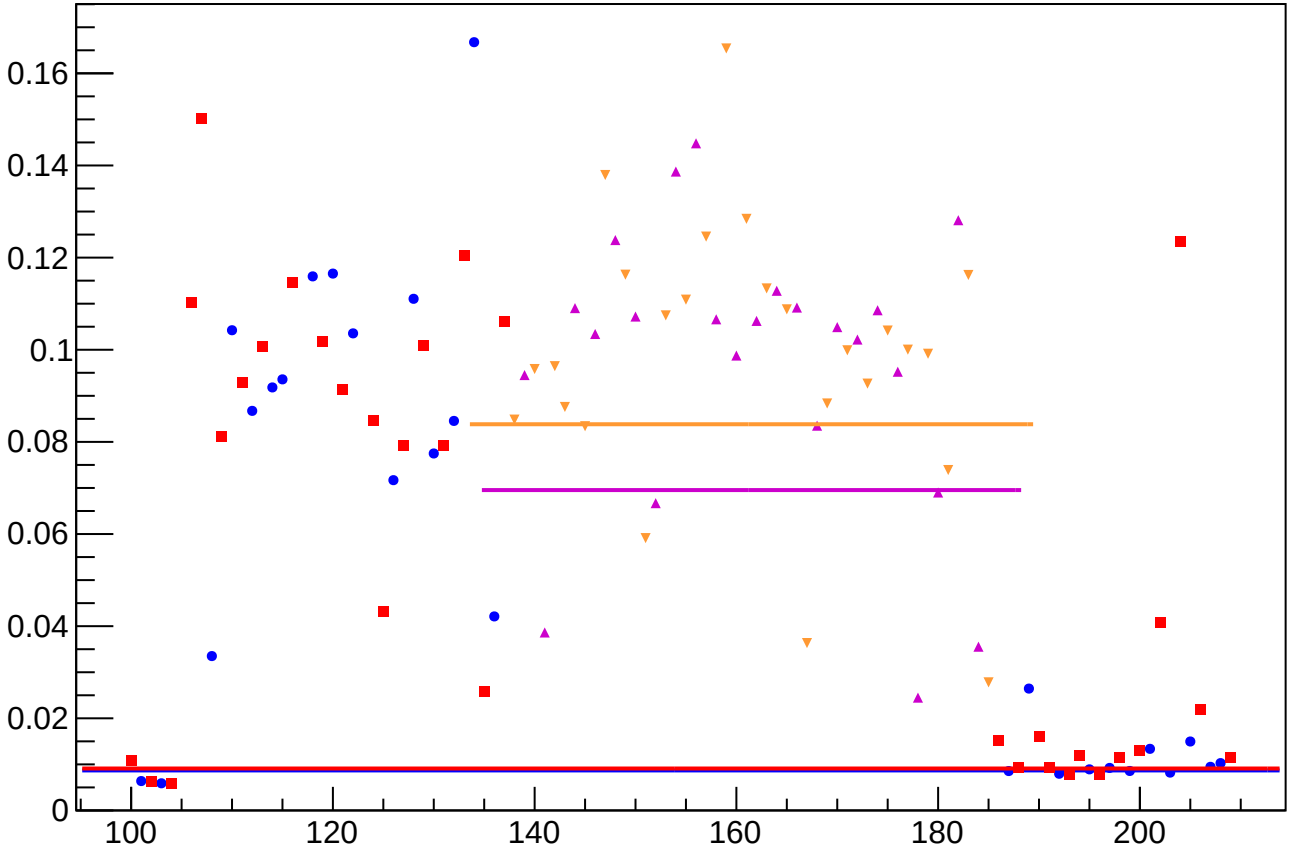
Right: 1.434+/-0.000 χ^2/NDF: 424434037406.1/58

In: 1.278+/-0.000 χ^2/NDF:236381355340.8/49

Out: 1.506+/-0.000 χ^2/NDF:202074384542.8/56

All: 1.383+/-0.000 χ^2/NDF: 440038682466.0

yield_bpm0l03Y_rms vs Slug, Sign Corrected



Right In: 0.009+/-0.000 χ^2/NDF: 8773285.8/26

Left Out: 0.084+/-0.000 χ^2/NDF:3830160.2/24

Right Out: 0.009+/-0.000 χ^2/NDF: 10448926.0/31

Left In: 0.070+/-0.000 χ^2/NDF:6697383.9/22

Left: 0.076+/-0.000 χ^2/NDF: 10977959.7/47

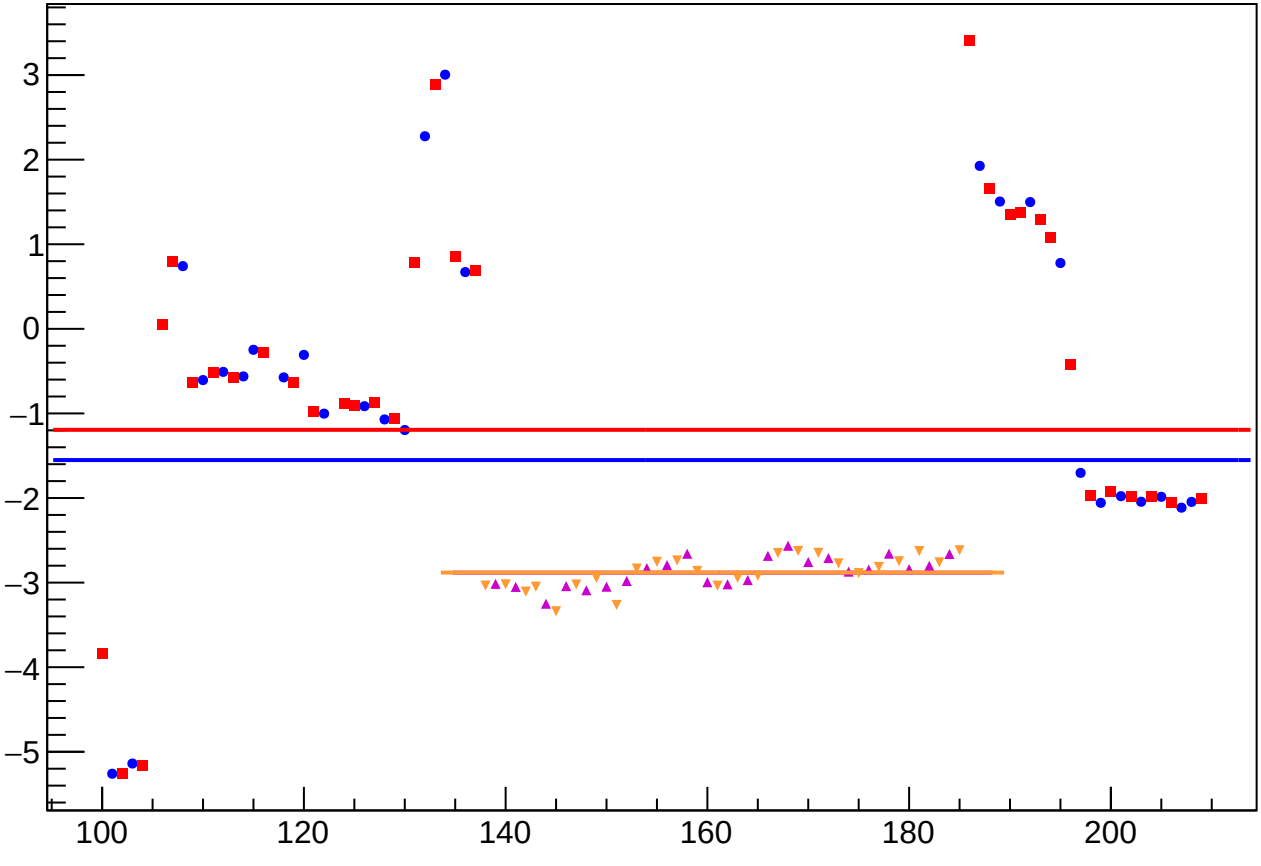
Right: 0.009+/-0.000 χ^2/NDF: 19232397.8/58

In: 0.011+/-0.000 χ^2/NDF:32449035.3/49

Out: 0.012+/-0.000 χ^2/NDF:36416573.9/56

All: 0.011+/-0.000 χ^2/NDF: 68921547.2/106

yield_bpm0l04X_mean vs Slug, Sign Corrected



Right In: -1.551+/-0.000 χ^2/NDF: 208874729429.8/26

Left Out: -2.881+/-0.000 χ^2/NDF:10553050715.1/24

Right Out: -1.194+/-0.000 χ^2/NDF: 237517926510.2/31

Left In: -2.882+/-0.000 χ^2/NDF:8300047325.0/22

Left: -2.882+/-0.000 χ^2/NDF: 18853297310.6/47

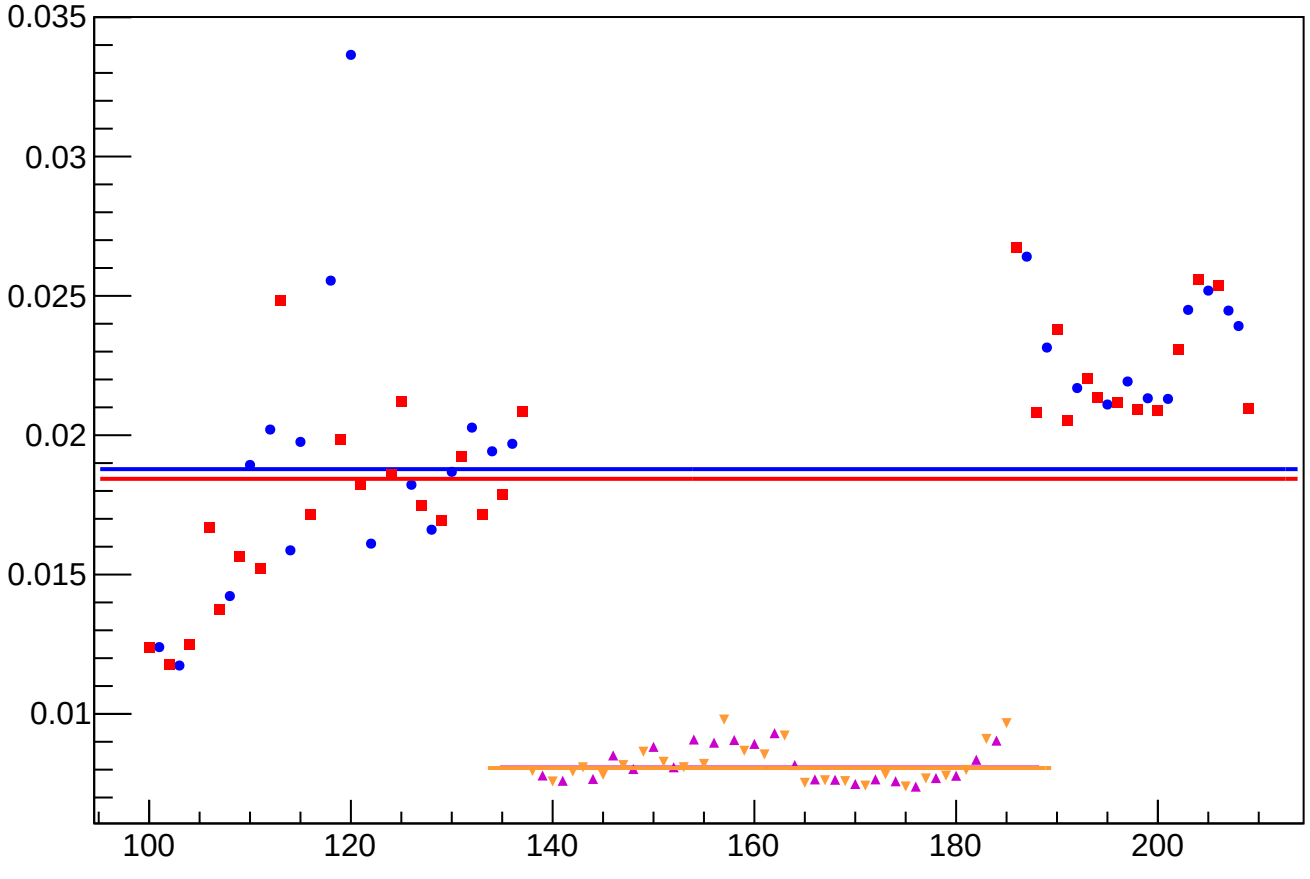
Right: -1.359+/-0.000 χ^2/NDF: 449052879890.8/58

In: -2.714+/-0.000 χ^2/NDF:276995004140.8/49

Out: -2.650+/-0.000 χ^2/NDF:358813905575.7/56

All: -2.681+/-0.000 χ^2/NDF: 636465929292.0

yield_bpm0l04X_rms vs Slug, Sign Corrected



Right In: 0.019+/-0.000 χ^2/NDF: 1640130.7/26

Left Out: 0.008+/-0.000 χ^2/NDF:185446.1/24

Right Out: 0.018+/-0.000 χ^2/NDF: 1529360.9/31

Left In: 0.008+/-0.000 χ^2/NDF:181843.4/22

Left: 0.008+/-0.000 χ^2/NDF: 367394.9/47

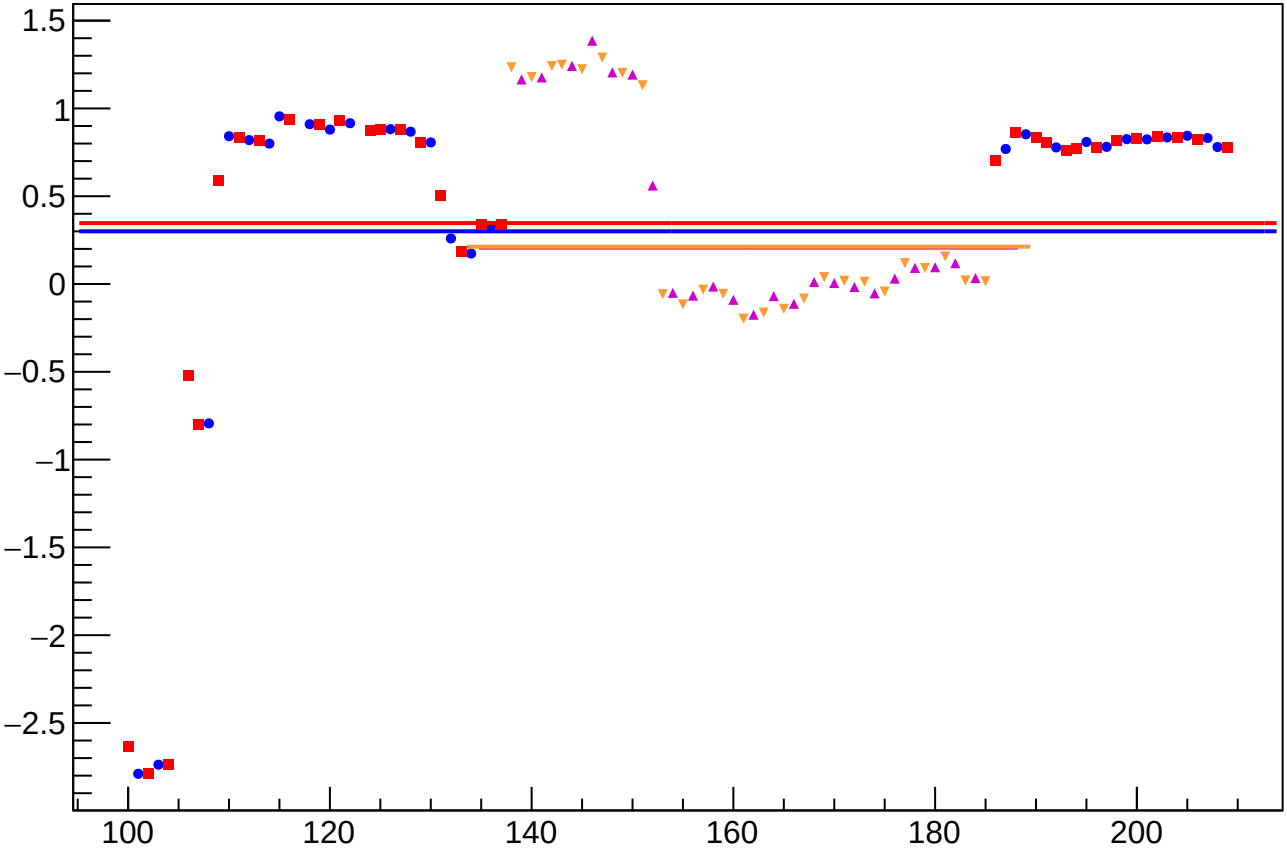
Right: 0.019+/-0.000 χ^2/NDF: 3174529.8/58

In: 0.009+/-0.000 χ^2/NDF:9560871.0/49

Out: 0.009+/-0.000 χ^2/NDF:10090312.4/56

All: 0.009+/-0.000 χ^2/NDF: 19652002.8/106

yield_bpm0l04Y_mean vs Slug, Sign Corrected



Right In: 0.300+/-0.000 χ^2/NDF: 961675950060.1/26

Left Out: 0.213+/-0.000 χ^2/NDF:102819241186.2/24

Right Out: 0.347+/-0.000 χ^2/NDF: 1052314972057.3/31

Left In: 0.207+/-0.000 χ^2/NDF:87109076861.7/22

Left: 0.210+/-0.000 χ^2/NDF: 189934243300.6/47

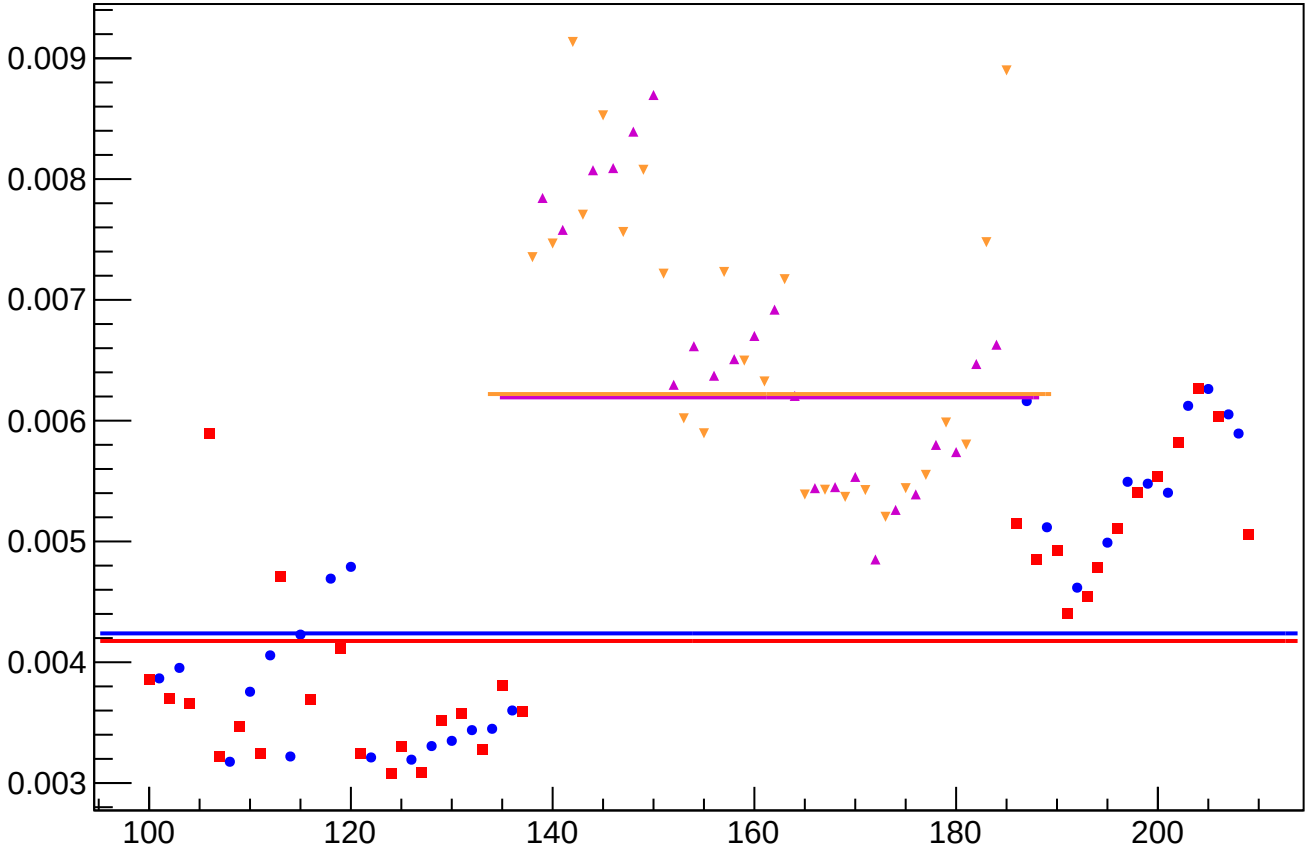
Right: 0.325+/-0.000 χ^2/NDF: 2014914793422.6/58

In: 0.269+/-0.000 χ^2/NDF:1051126450288.8/49

Out: 0.304+/-0.000 χ^2/NDF:1160385730240.8/56

All: 0.287+/-0.000 χ^2/NDF: 2212295888637.

yield_bpm0l04Y_rms vs Slug, Sign Corrected



Right In: 0.004+/-0.000 χ^2/NDF: 1592143.0/26

Left Out: 0.006+/-0.000 χ^2/NDF:813678.9/24

Right Out: 0.004+/-0.000 χ^2/NDF: 1584808.1/31

Left In: 0.006+/-0.000 χ^2/NDF:816234.4/22

Left: 0.006+/-0.000 χ^2/NDF: 1630235.5/47

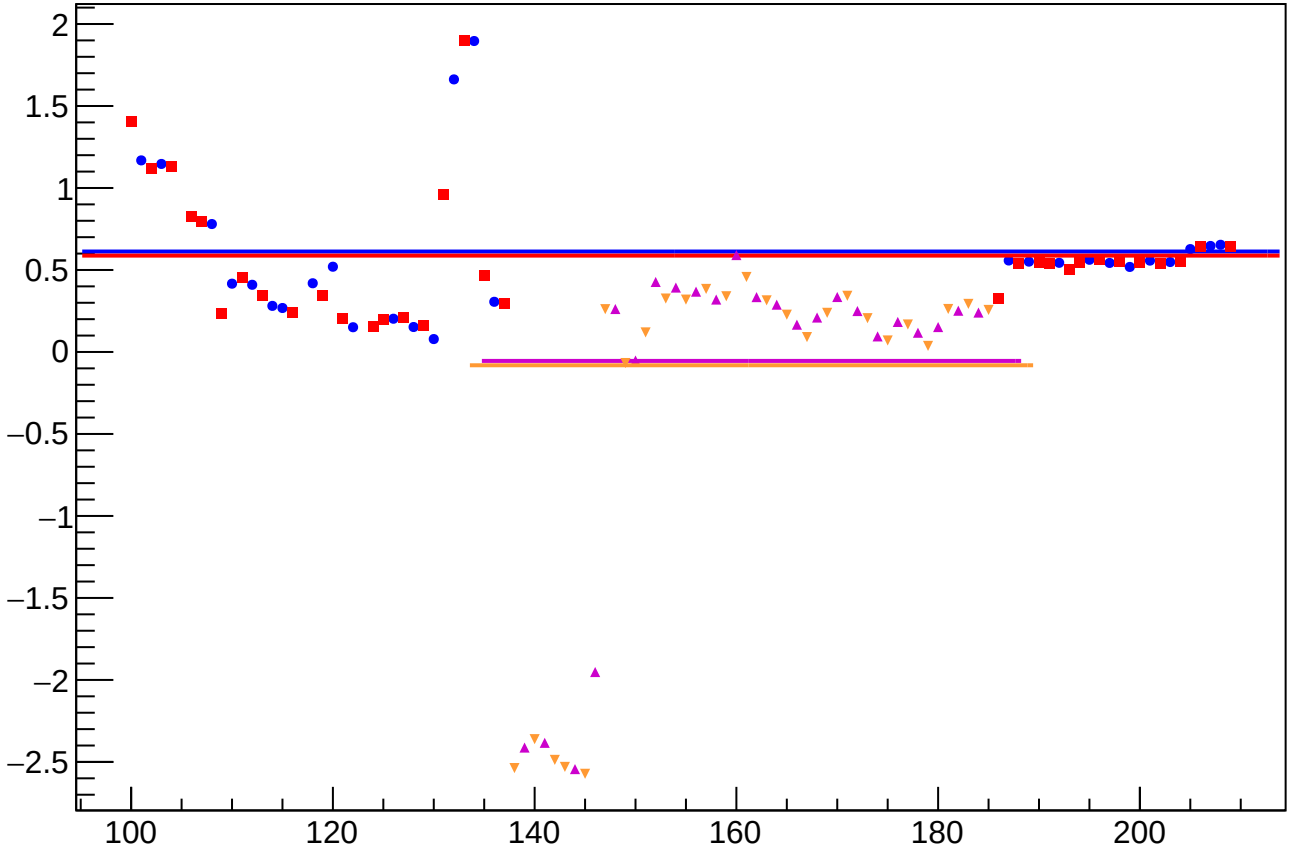
Right: 0.004+/-0.000 χ^2/NDF: 3180292.8/58

In: 0.005+/-0.000 χ^2/NDF:4485146.8/49

Out: 0.005+/-0.000 χ^2/NDF:4836002.7/56

All: 0.005+/-0.000 χ^2/NDF: 9327595.0/106

yield_bpm0l05X_mean vs Slug, Sign Corrected



Right In: 0.613+/-0.000 χ^2/NDF: 43949372626.0/26

Left Out: -0.081+/-0.000 χ^2/NDF:388332231902.9/24

Right Out: 0.588+/-0.000 χ^2/NDF: 44293424875.1/31

Left In: -0.055+/-0.000 χ^2/NDF:347072248163.0/22

Left: -0.068+/-0.000 χ^2/NDF: 735579885262.1/47

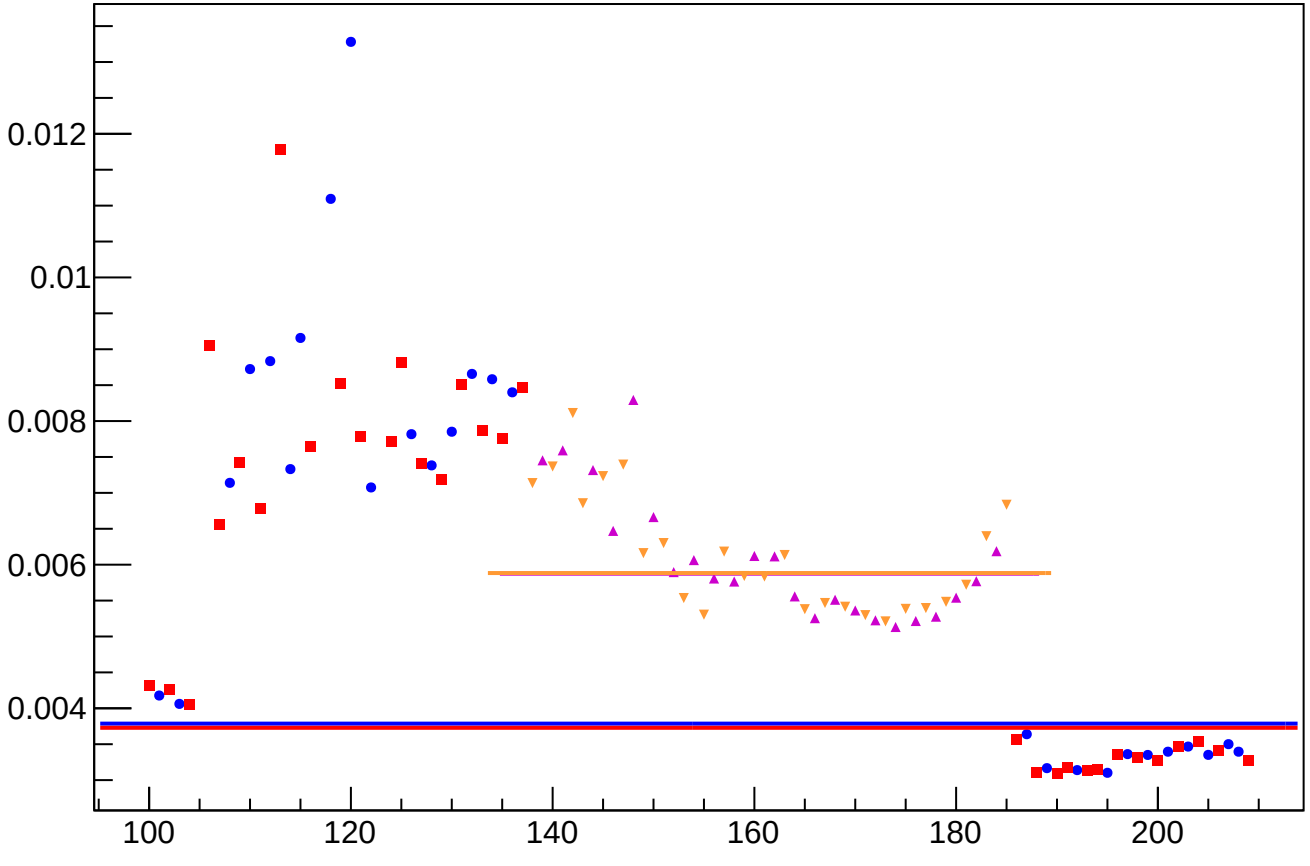
Right: 0.599+/-0.000 χ^2/NDF: 88541631366.3/58

In: 0.378+/-0.000 χ^2/NDF:530963509659.1/49

Out: 0.368+/-0.000 χ^2/NDF:584840572857.2/56

All: 0.373+/-0.000 χ^2/NDF: 1115878543799.

yield_bpm0l05X_rms vs Slug, Sign Corrected



Right In: 0.004+/-0.000 χ^2/NDF: 3467631.0/26

Left Out: 0.006+/-0.000 χ^2/NDF:457789.1/24

Right Out: 0.004+/-0.000 χ^2/NDF: 3462841.2/31

Left In: 0.006+/-0.000 χ^2/NDF:521878.3/22

Left: 0.006+/-0.000 χ^2/NDF: 979706.0/47

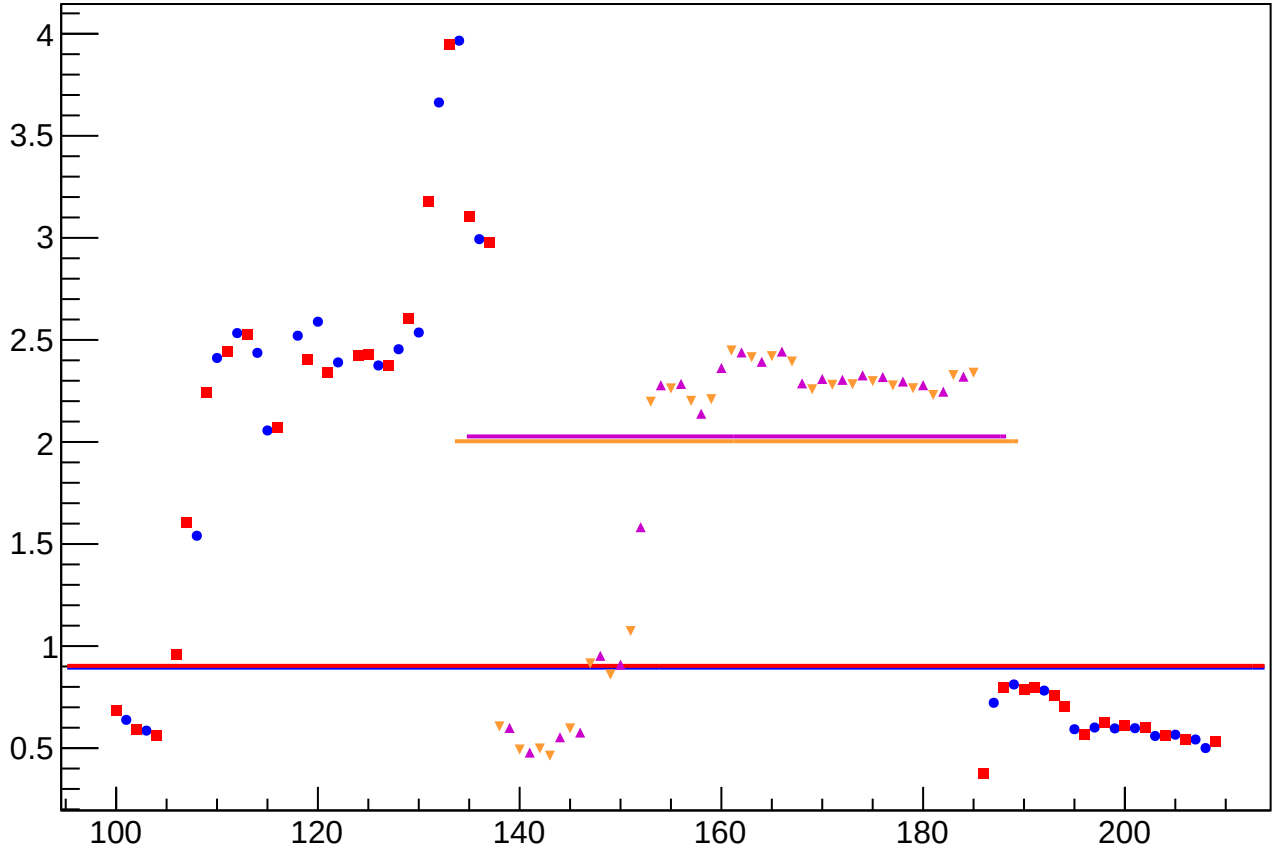
Right: 0.004+/-0.000 χ^2/NDF: 6933698.5/58

In: 0.005+/-0.000 χ^2/NDF:6731824.5/49

Out: 0.004+/-0.000 χ^2/NDF:7081457.7/56

All: 0.004+/-0.000 χ^2/NDF: 13823604.5/106

yield_bpm0l05Y_mean vs Slug, Sign Corrected



Right In: 0.894+/-0.000 χ^2/NDF: 241772867723.6/26

Left Out: 2.004+/-0.000 χ^2/NDF:219172813454.7/24

Right Out: 0.903+/-0.000 χ^2/NDF: 271996067930.6/31

Left In: 2.027+/-0.000 χ^2/NDF:194461333084.6/22

Left: 2.015+/-0.000 χ^2/NDF: 413784920453.7/47

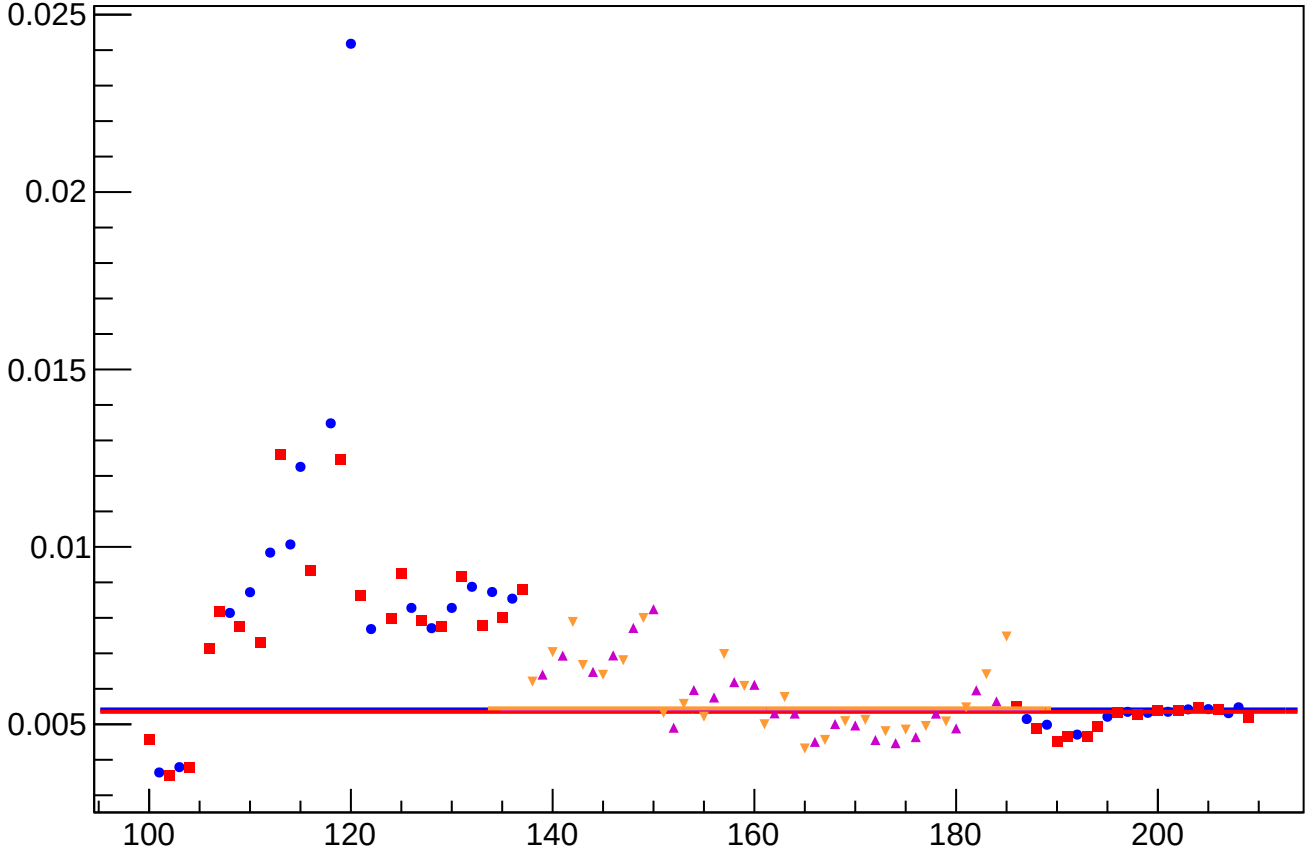
Right: 0.899+/-0.000 χ^2/NDF: 513787216535.4/58

In: 1.506+/-0.000 χ^2/NDF:749614495788.3/49

Out: 1.470+/-0.000 χ^2/NDF:815189368834.4/56

All: 1.487+/-0.000 χ^2/NDF: 1565501304914.

yield_bpm0l05Y_rms vs Slug, Sign Corrected



Right In: 0.005+/-0.000 χ^2/NDF: 2308091.8/26

Left Out: 0.005+/-0.000 χ^2/NDF:771417.6/24

Right Out: 0.005+/-0.000 χ^2/NDF: 2127146.4/31

Left In: 0.005+/-0.000 χ^2/NDF:815136.5/22

Left: 0.005+/-0.000 χ^2/NDF: 1587605.4/47

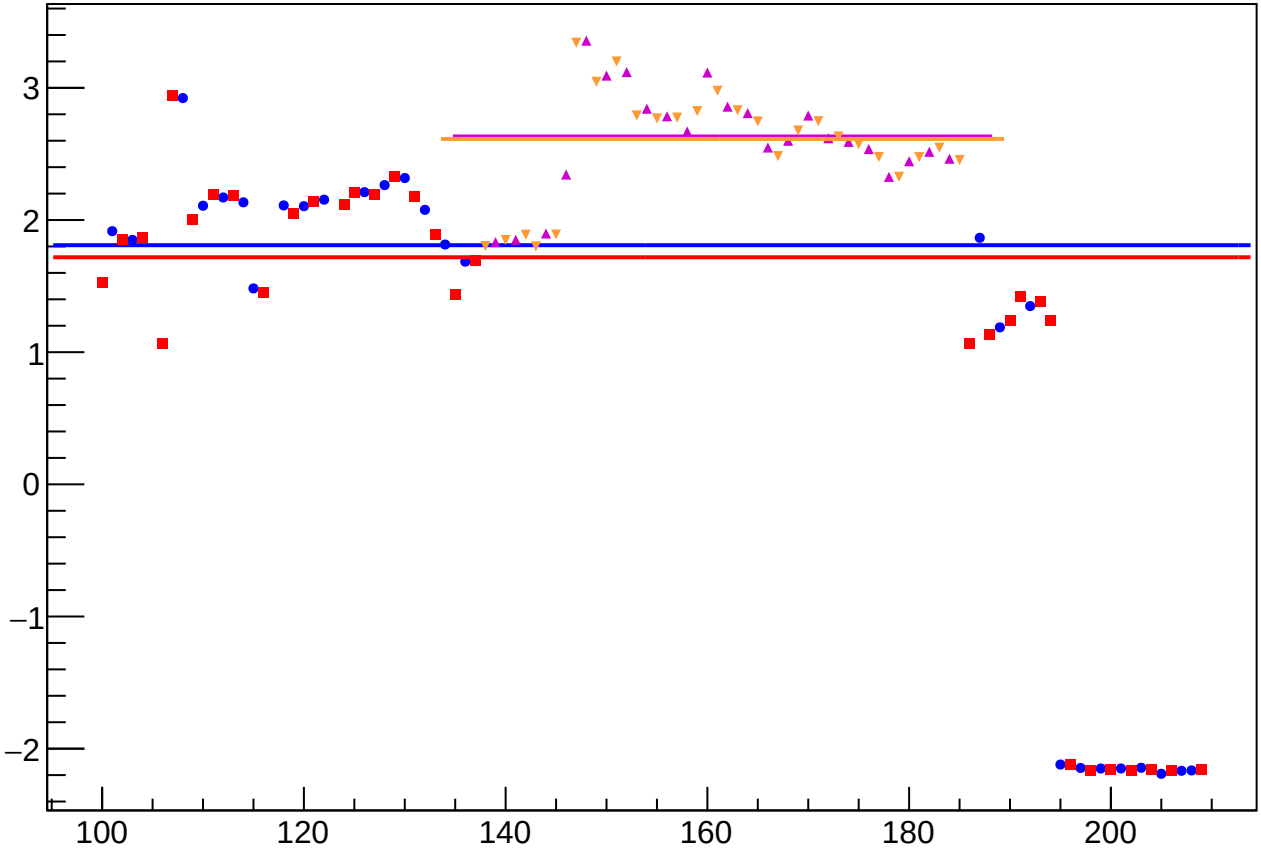
Right: 0.005+/-0.000 χ^2/NDF: 4437377.5/58

In: 0.005+/-0.000 χ^2/NDF:3123318.1/49

Out: 0.005+/-0.000 χ^2/NDF:2903602.3/56

All: 0.005+/-0.000 χ^2/NDF: 6027007.9/106

yield_bpm0l06X_mean vs Slug, Sign Corrected



Right In: 1.809+/-0.000 χ^2/NDF: 169385547043.4/26

Left Out: 2.614+/-0.000 χ^2/NDF:46402554271.4/24

Right Out: 1.718+/-0.000 χ^2/NDF: 160481792520.5/31

Left In: 2.632+/-0.000 χ^2/NDF:40551967819.7/22

Left: 2.623+/-0.000 χ^2/NDF: 87009327498.9/47

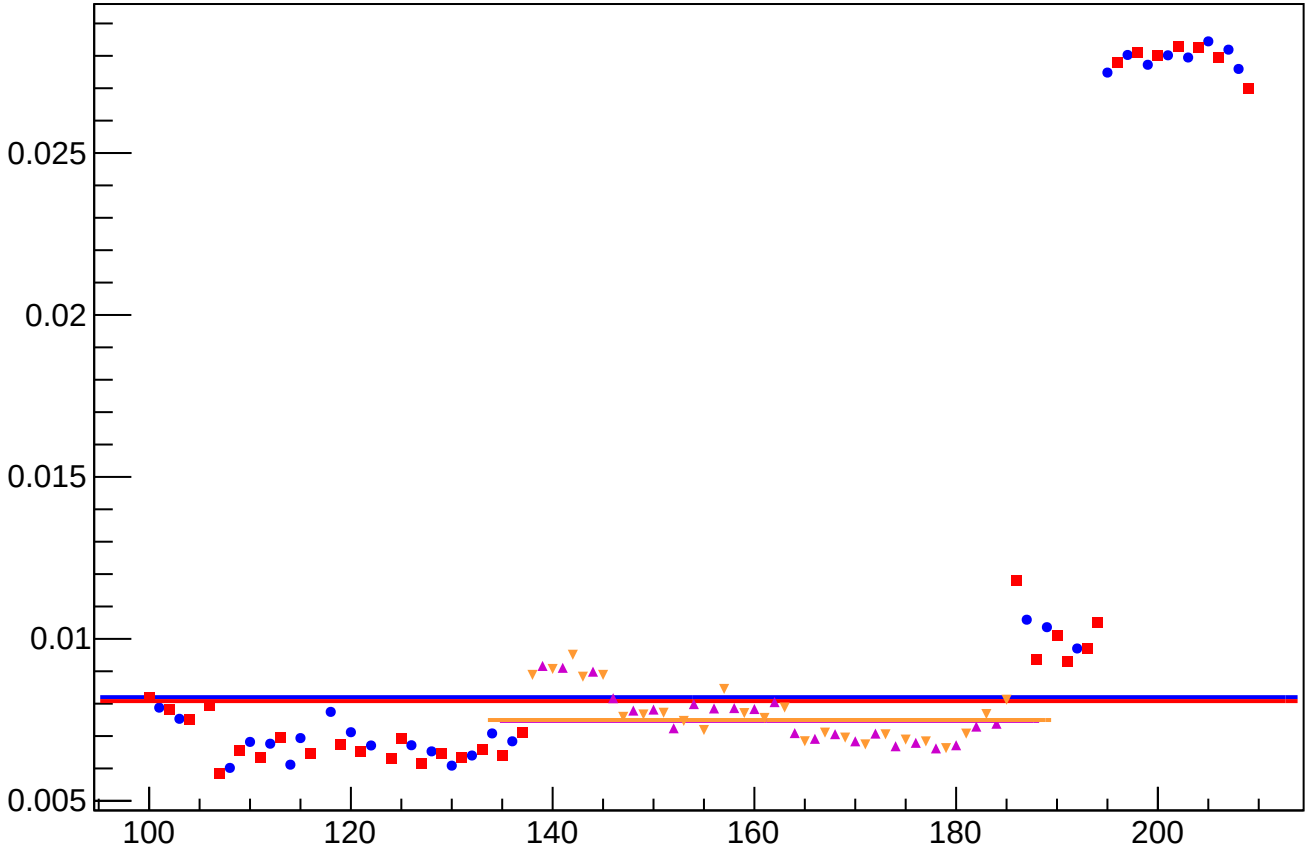
Right: 1.760+/-0.000 χ^2/NDF: 330642840136.7/58

In: 2.339+/-0.000 χ^2/NDF:284880586632.1/49

Out: 2.269+/-0.000 χ^2/NDF:306536909138.2/56

All: 2.302+/-0.000 χ^2/NDF: 592640236780.0

yield_bpm0l06X_rms vs Slug, Sign Corrected



Right In: 0.008+/-0.000 χ^2/NDF: 7648720.5/26

Left Out: 0.007+/-0.000 χ^2/NDF:332673.2/24

Right Out: 0.008+/-0.000 χ^2/NDF: 7186171.2/31

Left In: 0.007+/-0.000 χ^2/NDF:321914.4/22

Left: 0.007+/-0.000 χ^2/NDF: 654825.5/47

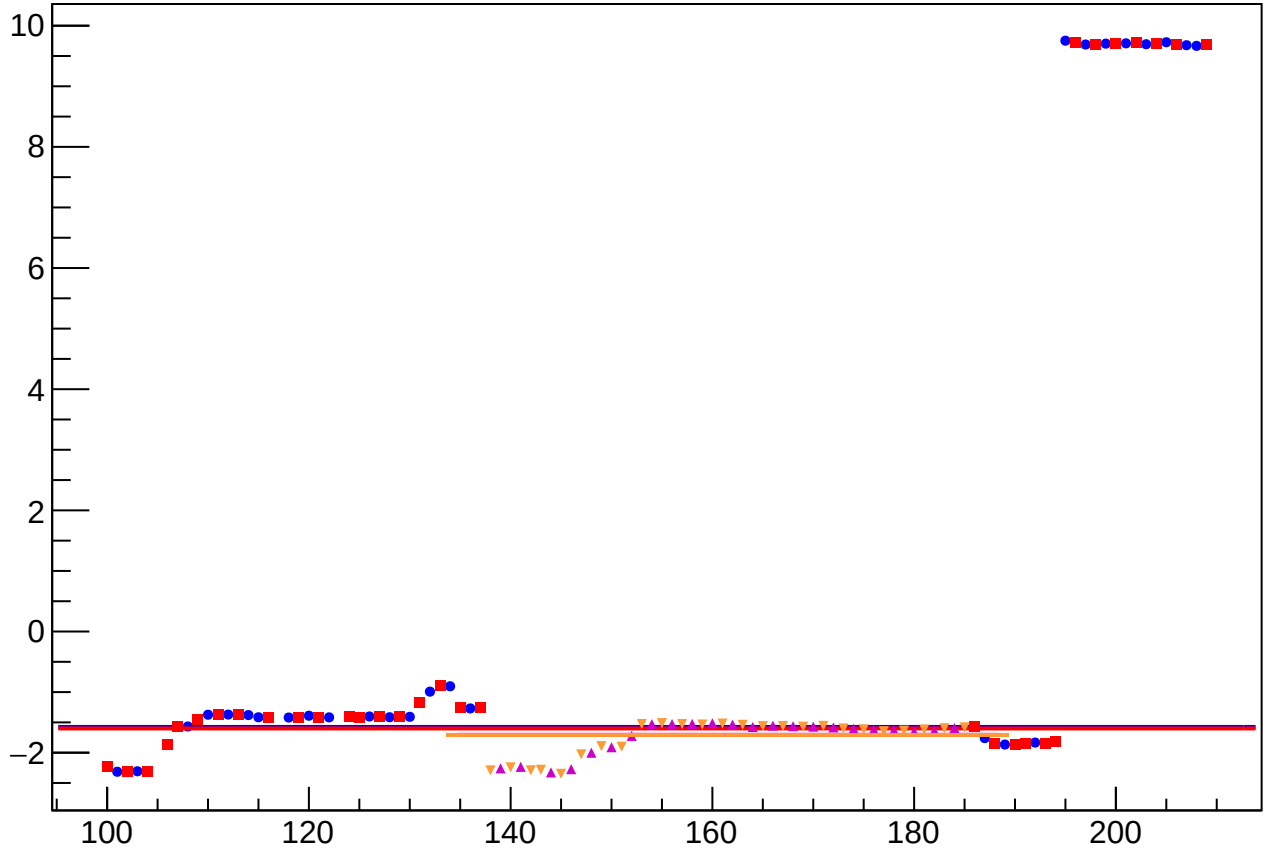
Right: 0.008+/-0.000 χ^2/NDF: 14837641.7/58

In: 0.008+/-0.000 χ^2/NDF:8089652.1/49

Out: 0.008+/-0.000 χ^2/NDF:7603642.1/56

All: 0.008+/-0.000 χ^2/NDF: 15693338.0/106

yield_bpm0l06Y_mean vs Slug, Sign Corrected



Right In: -1.575+/-0.000 χ^2/NDF: 419971059038.9/26

Left Out: -1.708+/-0.000 χ^2/NDF:151845502556.2/24

Right Out: -1.600+/-0.000 χ^2/NDF: 404275721954.6/31

Left In: -1.705+/-0.000 χ^2/NDF:136540618081.0/22

Left: -1.707+/-0.000 χ^2/NDF: 288391574261.0/47

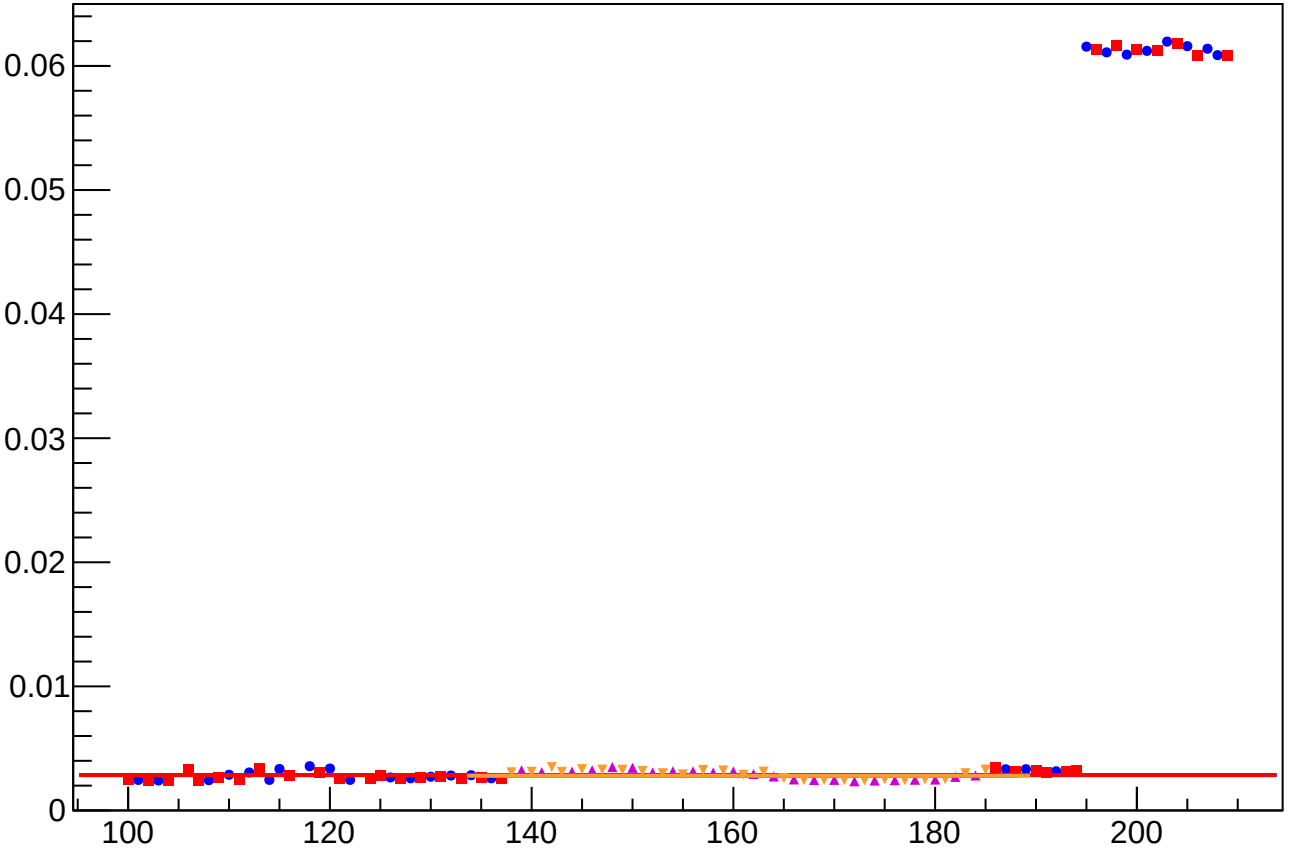
Right: -1.589+/-0.000 χ^2/NDF: 824612080314.2/58

In: -1.662+/-0.000 χ^2/NDF:568908257014.5/49

Out: -1.668+/-0.000 χ^2/NDF:565883311122.3/56

All: -1.665+/-0.000 χ^2/NDF: 1134851375705

yield_bpm0l06Y_rms vs Slug, Sign Corrected



Right In: 0.003+/-0.000 χ^2/NDF: 12817416.0/26

Left Out: 0.003+/-0.000 χ^2/NDF:547758.3/24

Right Out: 0.003+/-0.000 χ^2/NDF: 11463777.1/31

Left In: 0.003+/-0.000 χ^2/NDF:557113.5/22

Left: 0.003+/-0.000 χ^2/NDF: 1105212.9/47

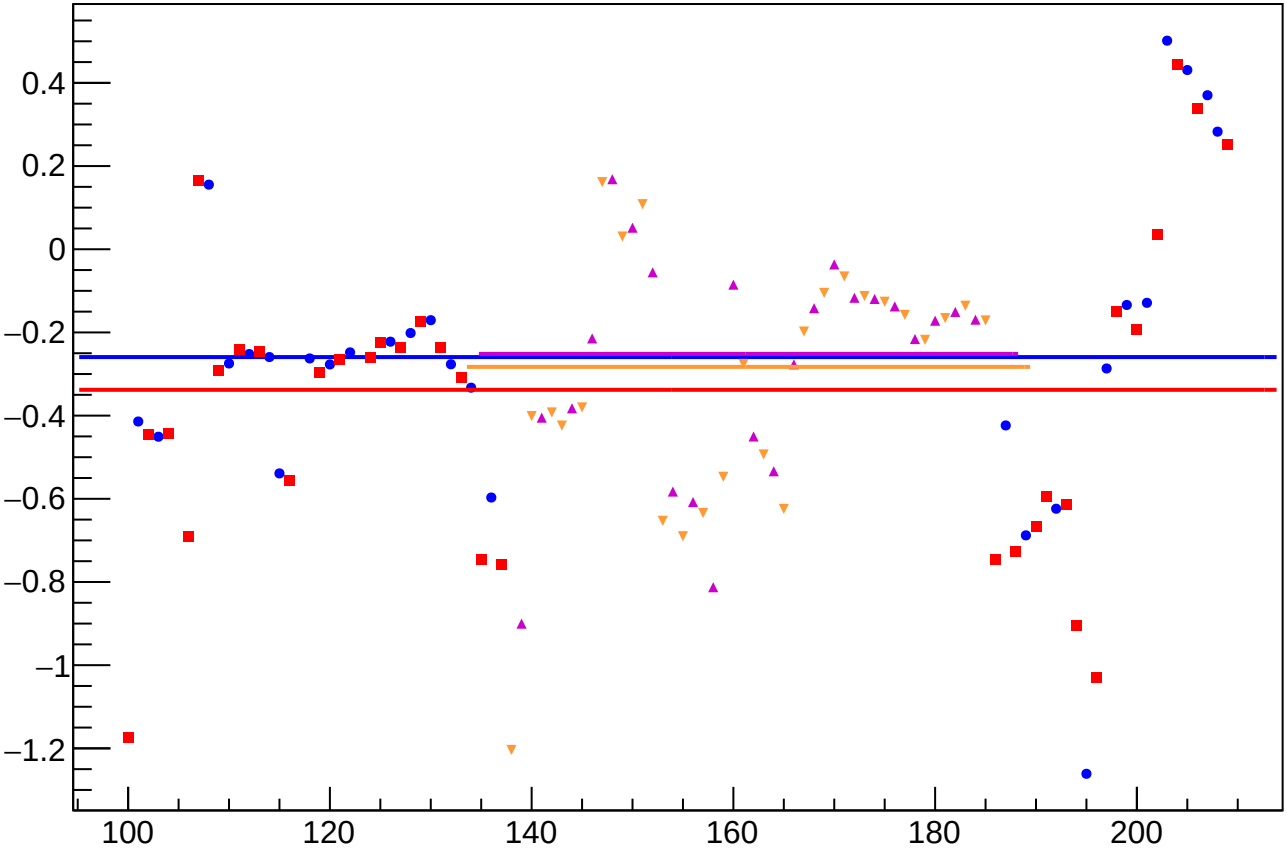
Right: 0.003+/-0.000 χ^2/NDF: 24281205.8/58

In: 0.003+/-0.000 χ^2/NDF:13381767.7/49

Out: 0.003+/-0.000 χ^2/NDF:12016580.8/56

All: 0.003+/-0.000 χ^2/NDF: 25398632.5/106

yield_bpm0l07X_mean vs Slug, Sign Corrected



Right In: -0.259+/-0.000 χ^2/NDF: 9149729416.3/26

Left Out: -0.283+/-0.000 χ^2/NDF:9343511244.8/24

Right Out: -0.338+/-0.000 χ^2/NDF: 9795101030.0/31

Left In: -0.252+/-0.000 χ^2/NDF:7167367678.6/22

Left: -0.267+/-0.000 χ^2/NDF: 16567222880.0/47

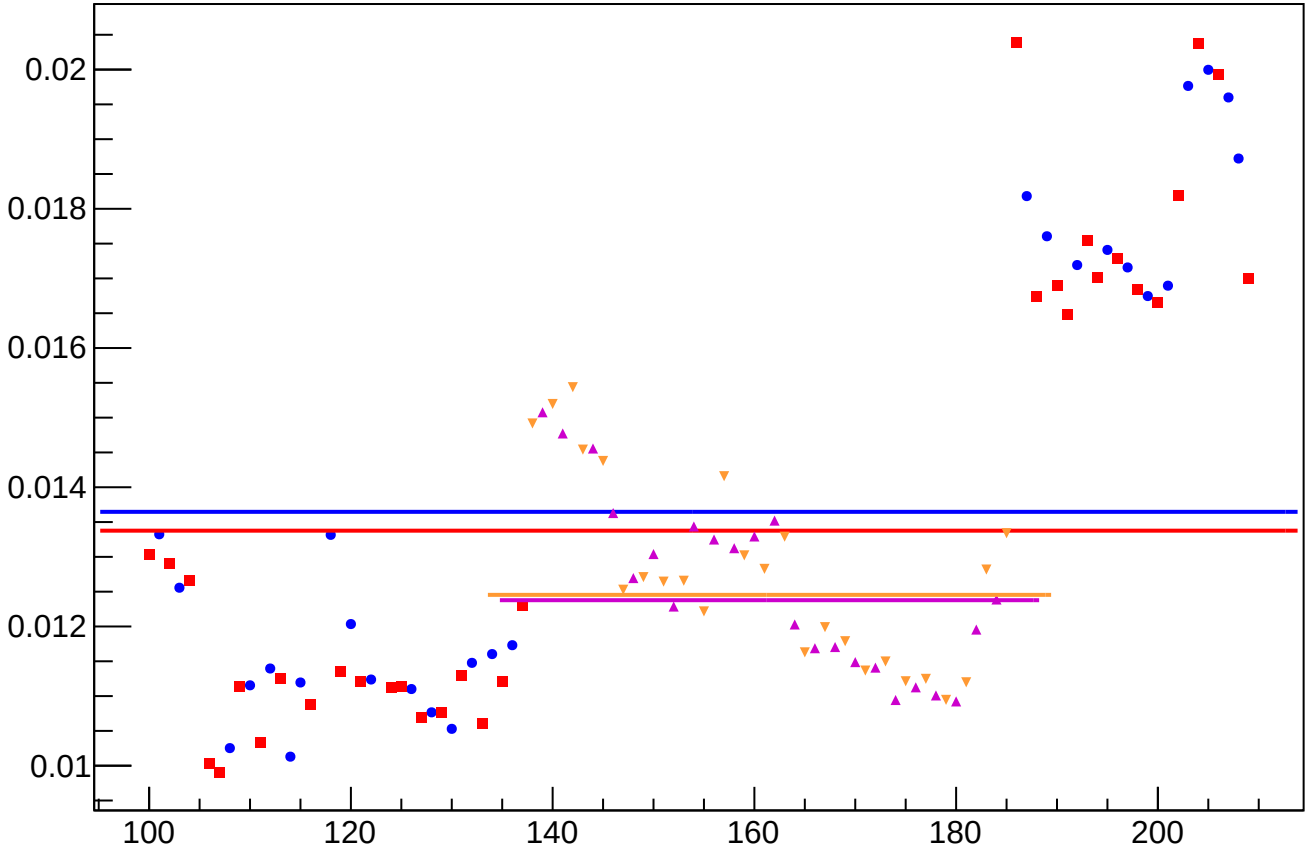
Right: -0.301+/-0.000 χ^2/NDF: 19202084898.4/58

In: -0.255+/-0.000 χ^2/NDF:16319839596.4/49

Out: -0.307+/-0.000 χ^2/NDF:19292636054.4/56

All: -0.282+/-0.000 χ^2/NDF: 35879389103.2/

yield_bpm0l07X_rms vs Slug, Sign Corrected



Right In: 0.014+/-0.000 χ^2/NDF: 1584695.7/26

Left Out: 0.012+/-0.000 χ^2/NDF:341430.5/24

Right Out: 0.013+/-0.000 χ^2/NDF: 1843534.2/31

Left In: 0.012+/-0.000 χ^2/NDF:326925.9/22

Left: 0.012+/-0.000 χ^2/NDF: 669035.7/47

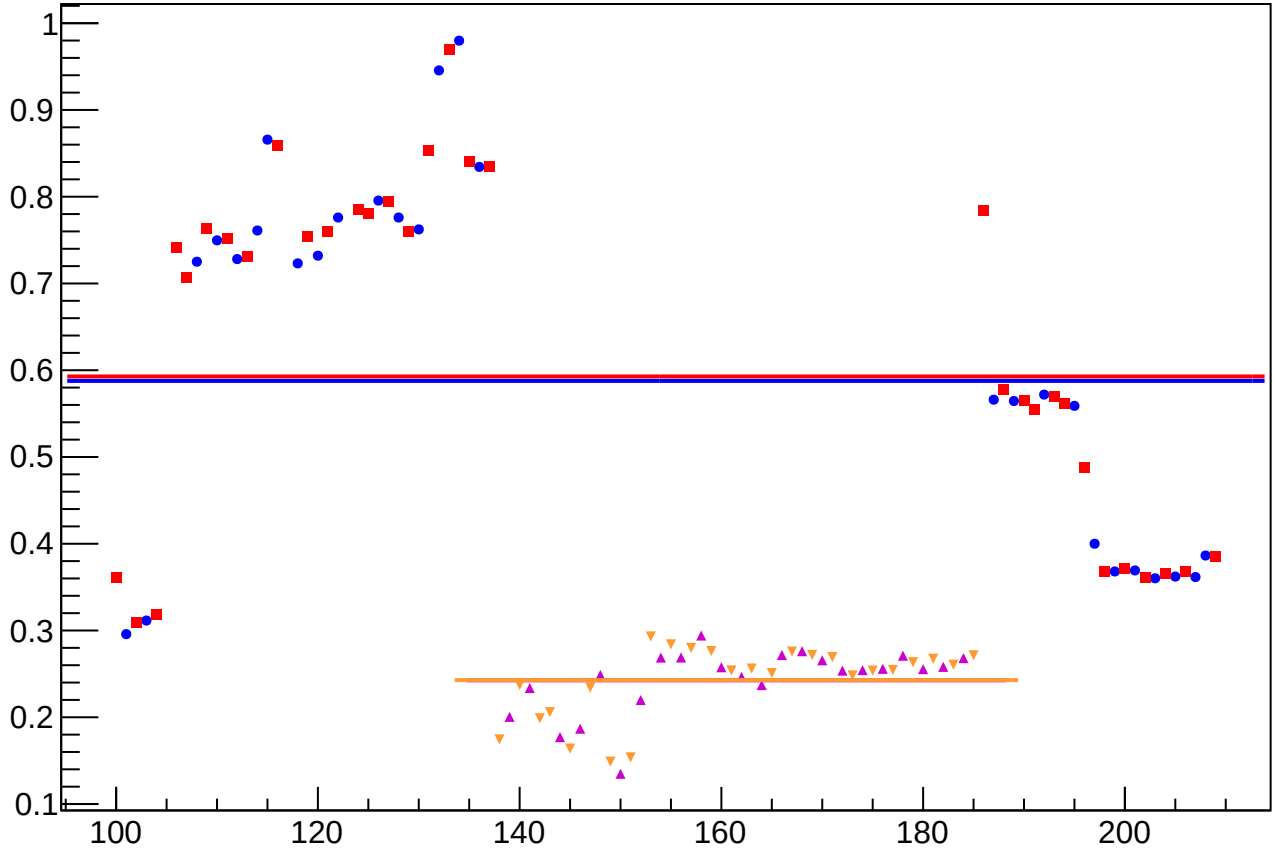
Right: 0.014+/-0.000 χ^2/NDF: 3434311.6/58

In: 0.013+/-0.000 χ^2/NDF:2060201.1/49

Out: 0.013+/-0.000 χ^2/NDF:2271118.1/56

All: 0.013+/-0.000 χ^2/NDF: 4331708.7/106

yield_bpm0l07Y_mean vs Slug, Sign Corrected



Right In: 0.588+/-0.000 χ^2/NDF: 93508214211.8/26

Left Out: 0.243+/-0.000 χ^2/NDF:7290530687.7/24

Right Out: 0.593+/-0.000 χ^2/NDF: 90091033750.6/31

Left In: 0.243+/-0.000 χ^2/NDF:5781231269.1/22

Left: 0.243+/-0.000 χ^2/NDF: 13071863849.3/47

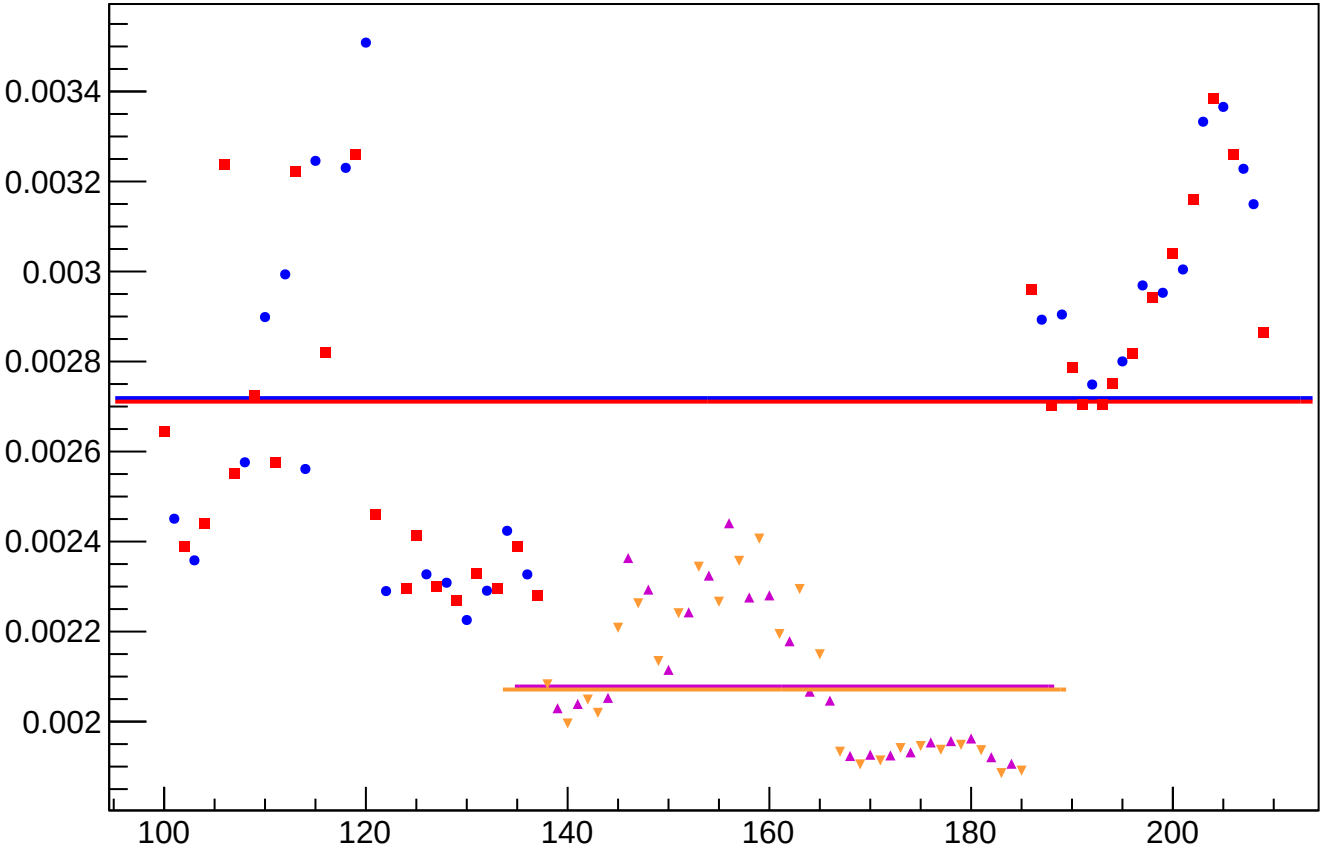
Right: 0.590+/-0.000 χ^2/NDF: 183627427613.0/58

In: 0.355+/-0.000 χ^2/NDF:262219434233.3/49

Out: 0.360+/-0.000 χ^2/NDF:279979862733.5/56

All: 0.358+/-0.000 χ^2/NDF: 542272904220.4

yield_bpm0l07Y_rms vs Slug, Sign Corrected



Right In: 0.003+/-0.000 χ^2/NDF: 581273.3/26

Left Out: 0.002+/-0.000 χ^2/NDF:233799.0/24

Right Out: 0.003+/-0.000 χ^2/NDF: 476838.8/31

Left In: 0.002+/-0.000 χ^2/NDF:211544.0/22

Left: 0.002+/-0.000 χ^2/NDF: 445534.4/47

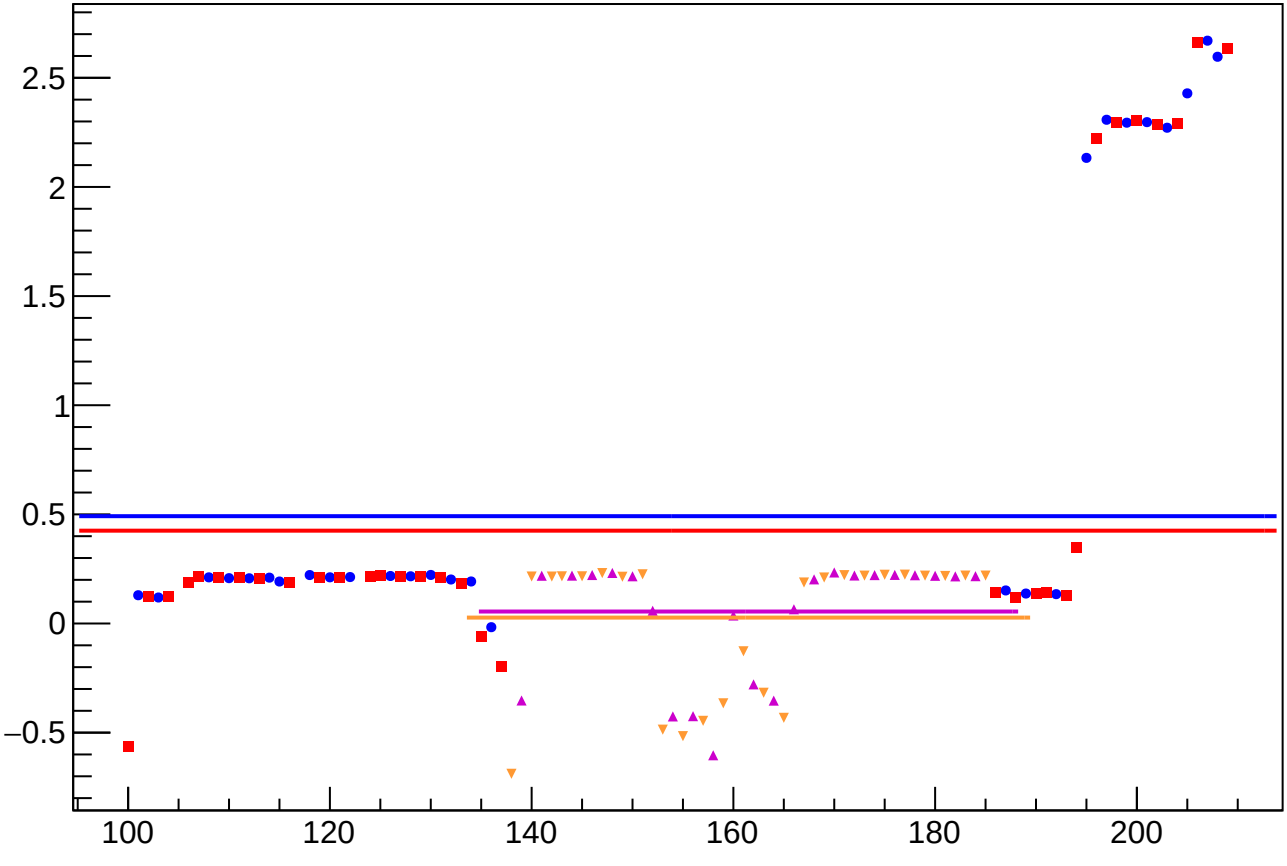
Right: 0.003+/-0.000 χ^2/NDF: 1058240.9/58

In: 0.002+/-0.000 χ^2/NDF:1916360.8/49

Out: 0.002+/-0.000 χ^2/NDF:1930376.9/56

All: 0.002+/-0.000 χ^2/NDF: 3846754.8/106

yield_bpm0l08X_mean vs Slug, Sign Corrected



Right In: 0.492+/-0.000 χ^2/NDF: 55251697344.2/26

Left Out: 0.027+/-0.000 χ^2/NDF:12975171876.0/24

Right Out: 0.425+/-0.000 χ^2/NDF: 54162265837.4/31

Left In: 0.055+/-0.000 χ^2/NDF:9704180322.0/22

Left: 0.041+/-0.000 χ^2/NDF: 22733670617.6/47

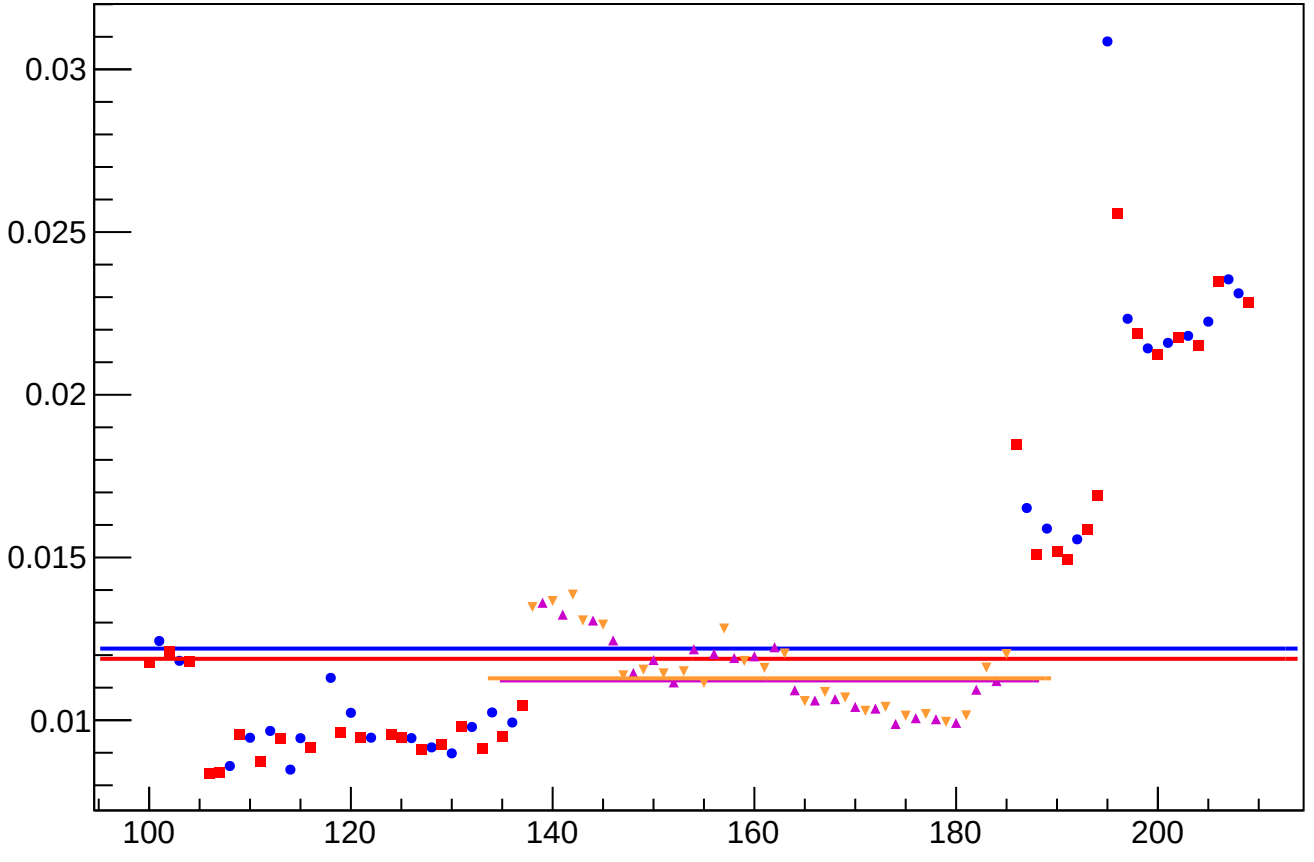
Right: 0.456+/-0.000 χ^2/NDF: 109627045777.1/58

In: 0.227+/-0.000 χ^2/NDF:75329133762.5/49

Out: 0.195+/-0.000 χ^2/NDF:76741301572.0/56

All: 0.210+/-0.000 χ^2/NDF: 152195299258.7

yield_bpm0l08X_rms vs Slug, Sign Corrected



Right In: 0.012+/-0.000 χ^2/NDF: 4170927.6/26

Left Out: 0.011+/-0.000 χ^2/NDF:328248.0/24

Right Out: 0.012+/-0.000 χ^2/NDF: 4203699.0/31

Left In: 0.011+/-0.000 χ^2/NDF:315246.6/22

Left: 0.011+/-0.000 χ^2/NDF: 644069.7/47

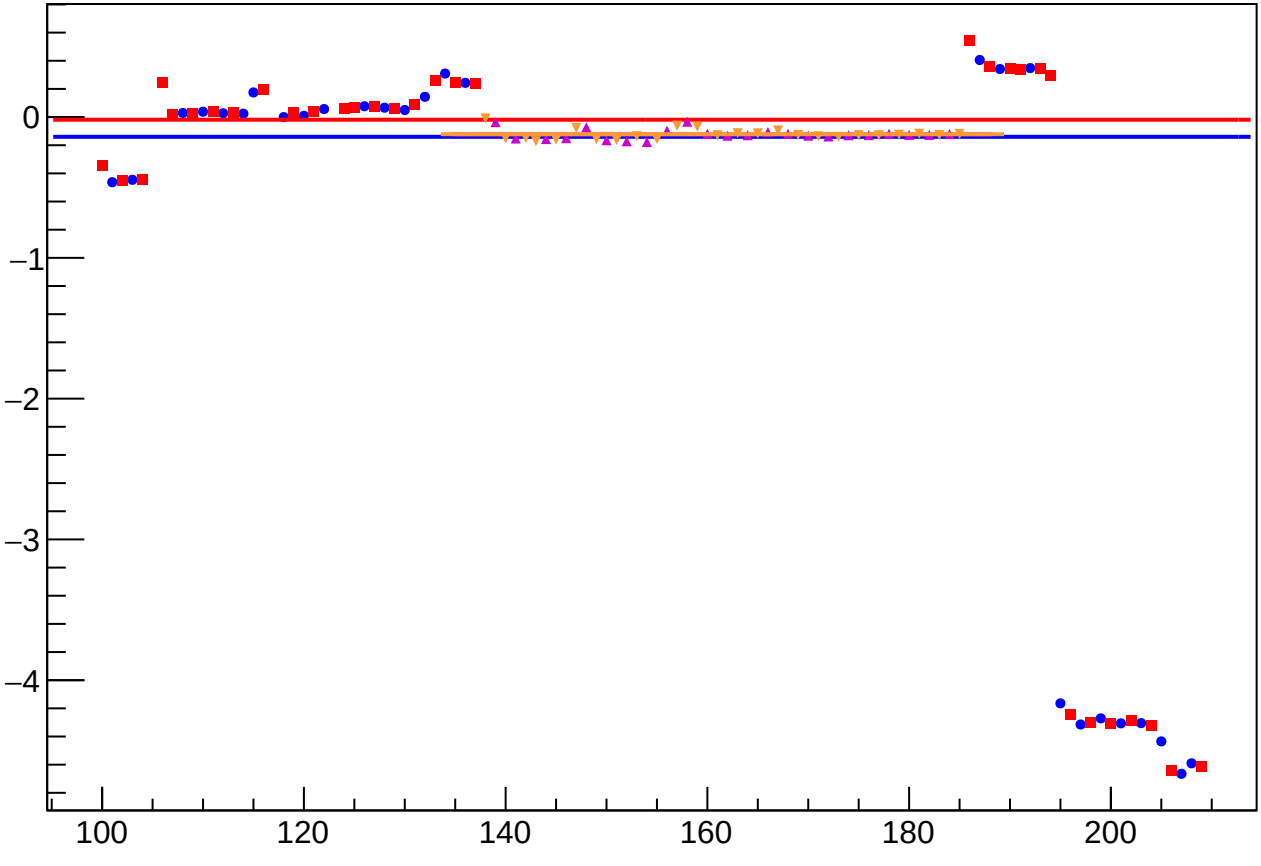
Right: 0.012+/-0.000 χ^2/NDF: 8384195.7/58

In: 0.012+/-0.000 χ^2/NDF:4590241.4/49

Out: 0.012+/-0.000 χ^2/NDF:4575519.9/56

All: 0.012+/-0.000 χ^2/NDF: 9166910.4/106

yield_bpm0l08Y_mean vs Slug, Sign Corrected



Right In: -0.140+/-0.000 χ^2/NDF: 391320685643.5/26

Left Out: -0.122+/-0.000 χ^2/NDF:2922583819.6/24

Right Out: -0.019+/-0.000 χ^2/NDF: 390057163893.5/31

Left In: -0.124+/-0.000 χ^2/NDF:2809457047.2/22

Left: -0.123+/-0.000 χ^2/NDF: 5736373212.1/47

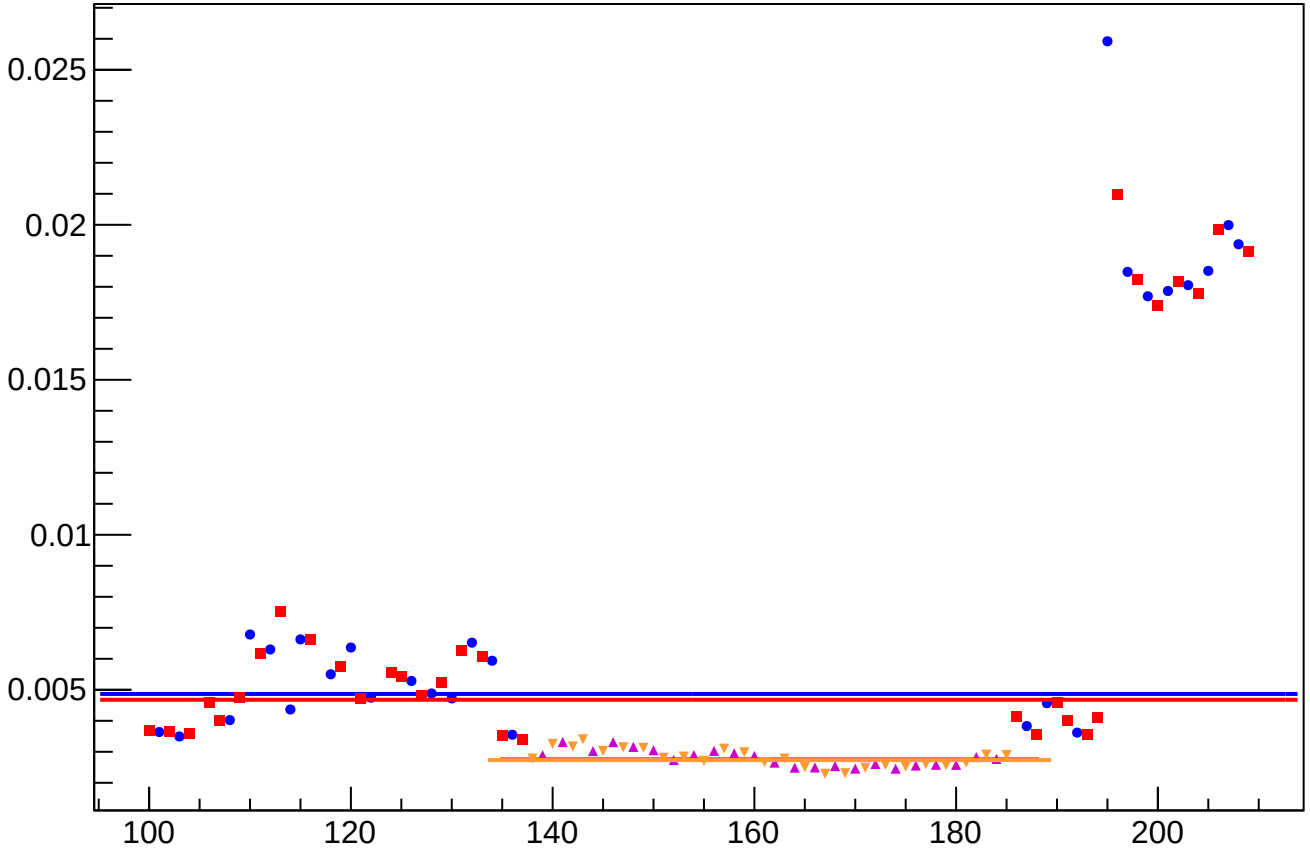
Right: -0.073+/-0.000 χ^2/NDF: 785017123586.4/58

In: -0.126+/-0.000 χ^2/NDF:394231904280.4/49

Out: -0.103+/-0.000 χ^2/NDF:397781123045.6/56

All: -0.114+/-0.000 χ^2/NDF: 792809191273.8

yield_bpm0l08Y_rms vs Slug, Sign Corrected



Right In: 0.005+/-0.000 χ^2/NDF: 8750456.1/26

Left Out: 0.003+/-0.000 χ^2/NDF:391885.5/24

Right Out: 0.005+/-0.000 χ^2/NDF: 7974206.2/31

Left In: 0.003+/-0.000 χ^2/NDF:293113.7/22

Left: 0.003+/-0.000 χ^2/NDF: 686267.5/47

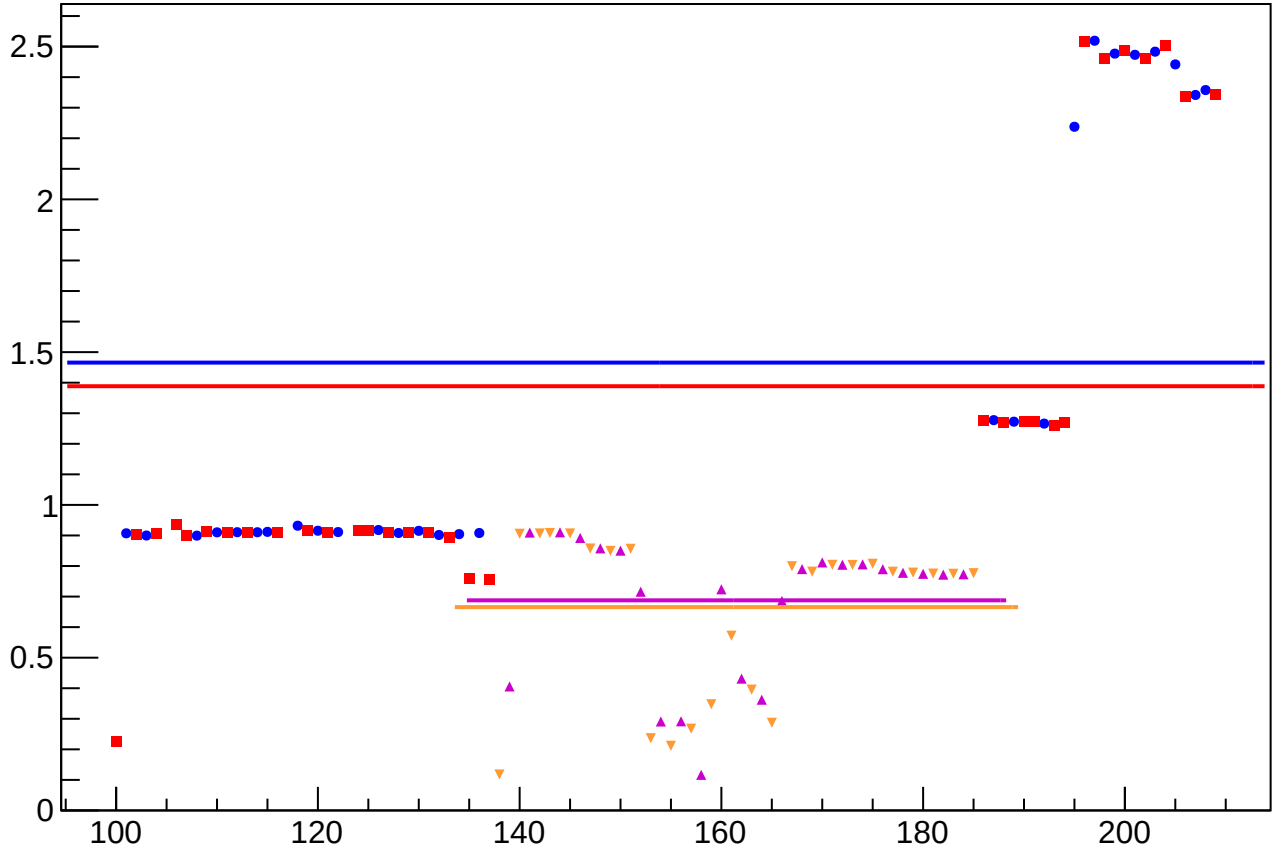
Right: 0.005+/-0.000 χ^2/NDF: 16742023.4/58

In: 0.003+/-0.000 χ^2/NDF:12361317.9/49

Out: 0.003+/-0.000 χ^2/NDF:11799336.1/56

All: 0.003+/-0.000 χ^2/NDF: 24160850.6/106

yield_bpm0l09X_mean vs Slug, Sign Corrected



Right In: 1.466+/-0.000 χ^2/NDF: 49733904752.9/26

Left Out: 0.666+/-0.000 χ^2/NDF:9213839939.9/24

Right Out: 1.388+/-0.000 χ^2/NDF: 51350704620.4/31

Left In: 0.688+/-0.000 χ^2/NDF:6999062215.3/22

Left: 0.676+/-0.000 χ^2/NDF: 16249398180.7/47

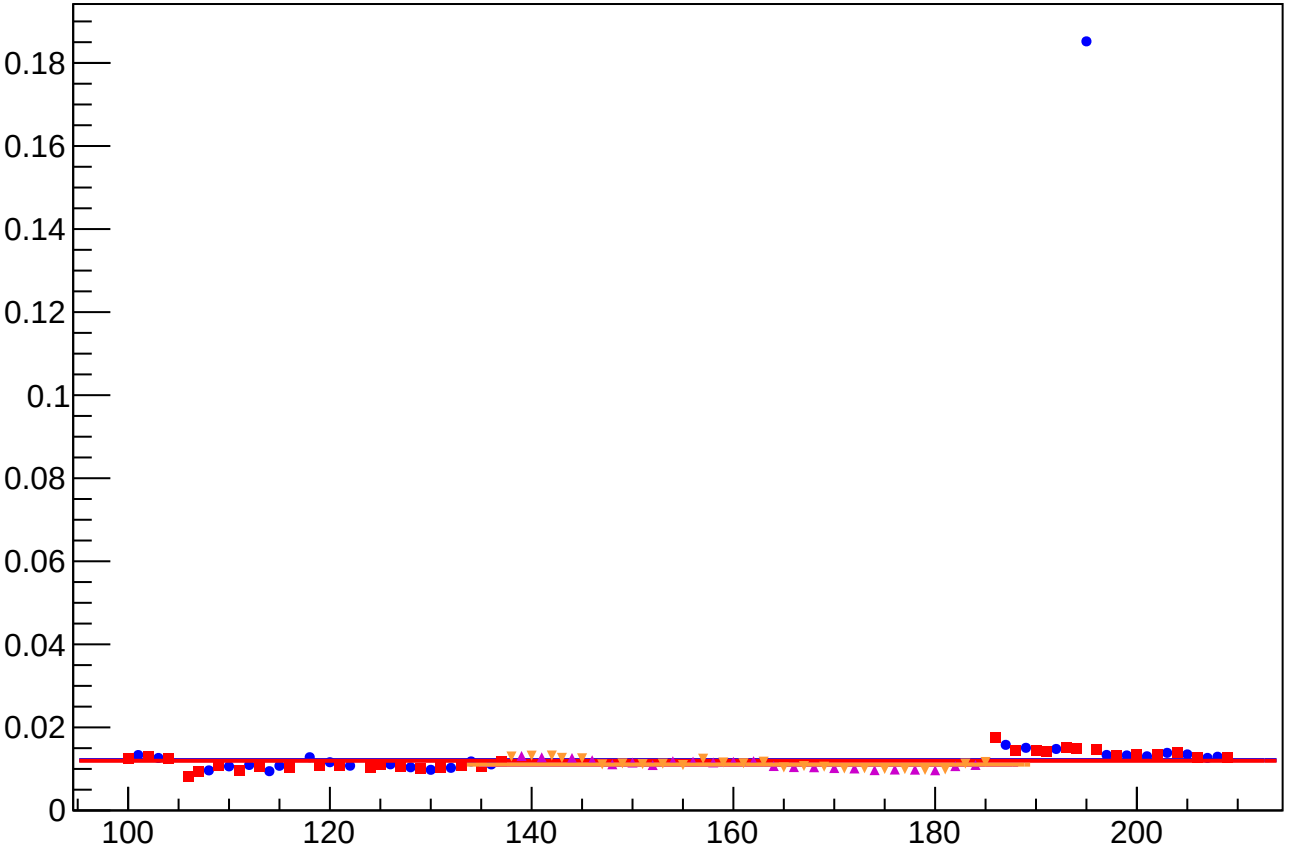
Right: 1.425+/-0.000 χ^2/NDF: 101395010888.7/58

In: 1.000+/-0.000 χ^2/NDF:92030191180.7/49

Out: 0.972+/-0.000 χ^2/NDF:94049430156.6/56

All: 0.985+/-0.000 χ^2/NDF: 186184231952.6

yield_bpm0l09X_rms vs Slug, Sign Corrected



Right In: 0.012+/-0.000 χ^2/NDF: 2006658.9/26

Left Out: 0.011+/-0.000 χ^2/NDF:299445.0/24

Right Out: 0.012+/-0.000 χ^2/NDF: 792133.1/31

Left In: 0.011+/-0.000 χ^2/NDF:287650.0/22

Left: 0.011+/-0.000 χ^2/NDF: 587697.9/47

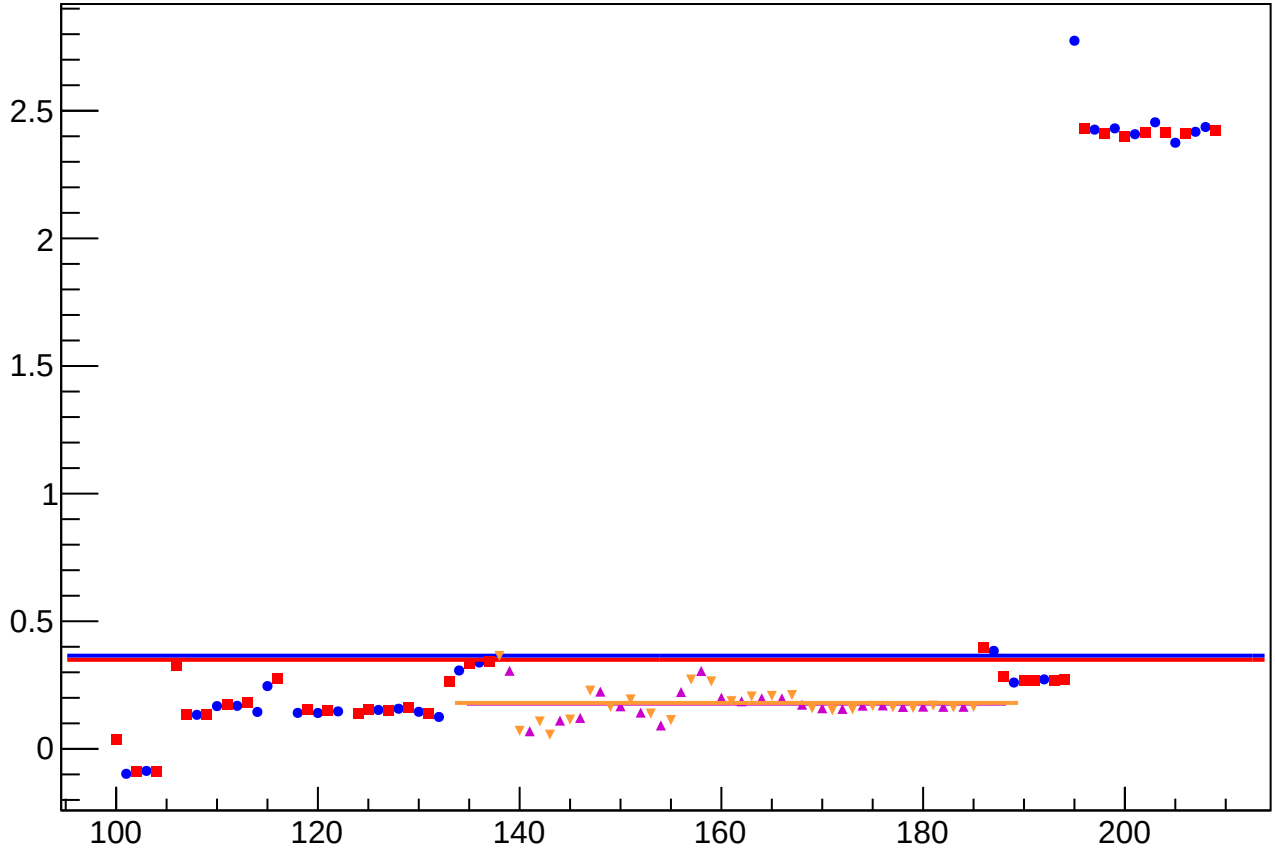
Right: 0.012+/-0.000 χ^2/NDF: 2801720.1/58

In: 0.011+/-0.000 χ^2/NDF:2452469.7/49

Out: 0.011+/-0.000 χ^2/NDF:1203092.7/56

All: 0.011+/-0.000 χ^2/NDF: 3655584.1/106

yield_bpm0l09Y_mean vs Slug, Sign Corrected



Right In: 0.365+/-0.000 χ^2/NDF: 175854787908.4/26

Left Out: 0.180+/-0.000 χ^2/NDF:6448853953.3/24

Right Out: 0.349+/-0.000 χ^2/NDF: 163333124760.0/31

Left In: 0.177+/-0.000 χ^2/NDF:4620854117.7/22

Left: 0.179+/-0.000 χ^2/NDF: 11077549854.5/47

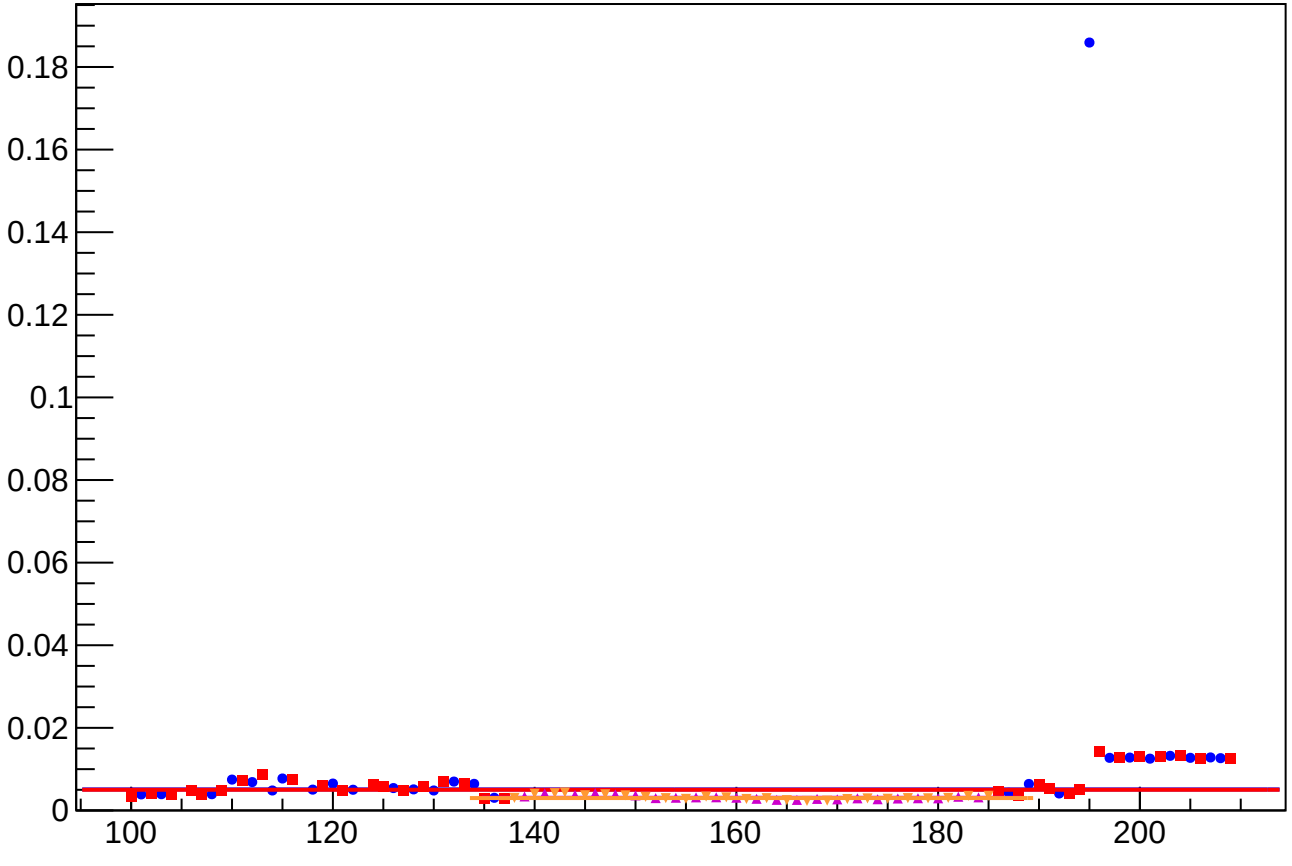
Right: 0.356+/-0.000 χ^2/NDF: 339247270689.9/58

In: 0.213+/-0.000 χ^2/NDF:192416968010.3/49

Out: 0.214+/-0.000 χ^2/NDF:180988862518.5/56

All: 0.214+/-0.000 χ^2/NDF: 373406824853.0

yield_bpm0l09Y_rms vs Slug, Sign Corrected



Right In: 0.005+/-0.000 χ^2/NDF: 7331137.2/26

Left Out: 0.003+/-0.000 χ^2/NDF:888350.2/24

Right Out: 0.005+/-0.000 χ^2/NDF: 5868703.7/31

Left In: 0.003+/-0.000 χ^2/NDF:587459.6/22

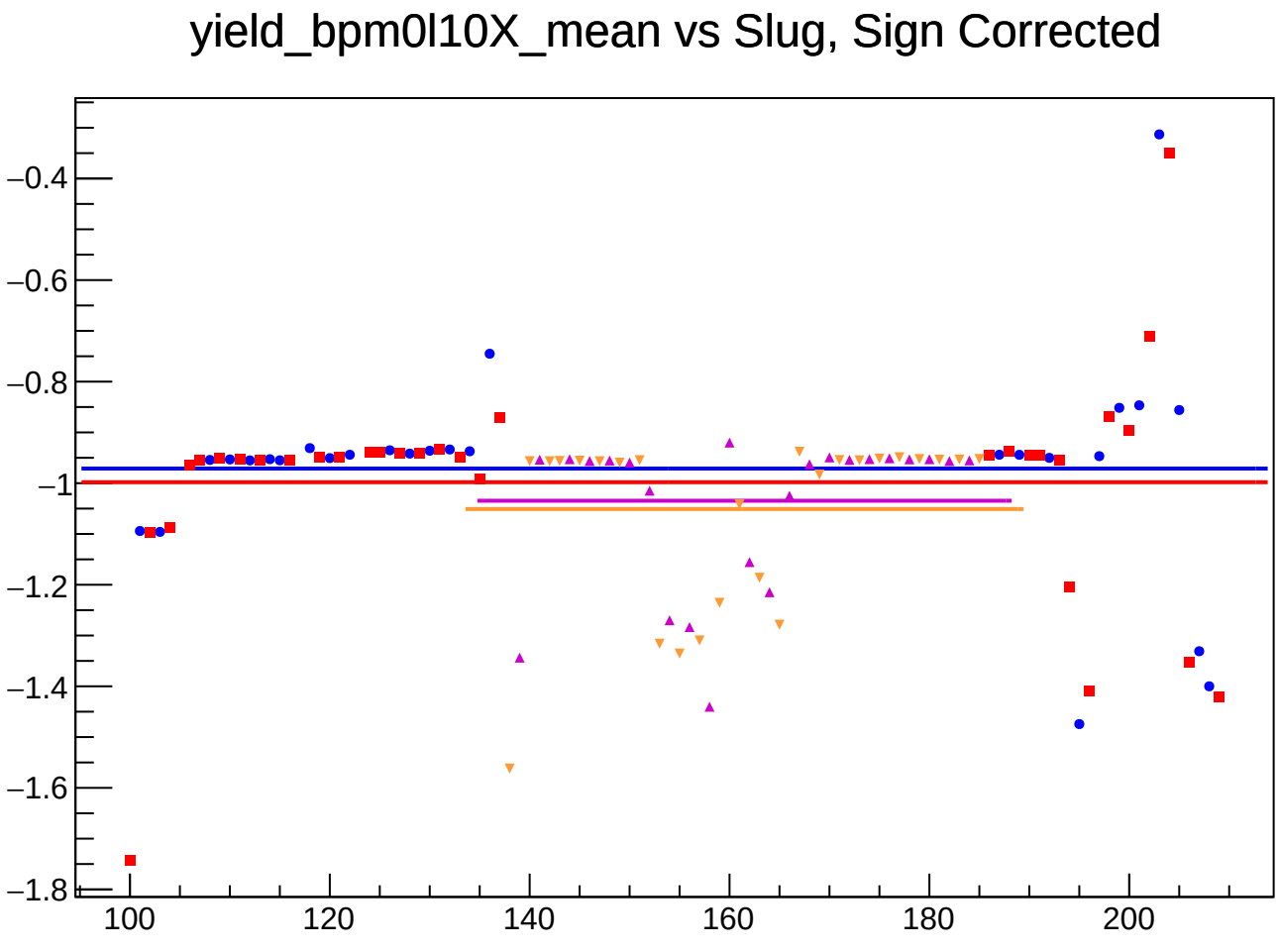
Left: 0.003+/-0.000 χ^2/NDF: 1485282.4/47

Right: 0.005+/-0.000 χ^2/NDF: 13203174.1/58

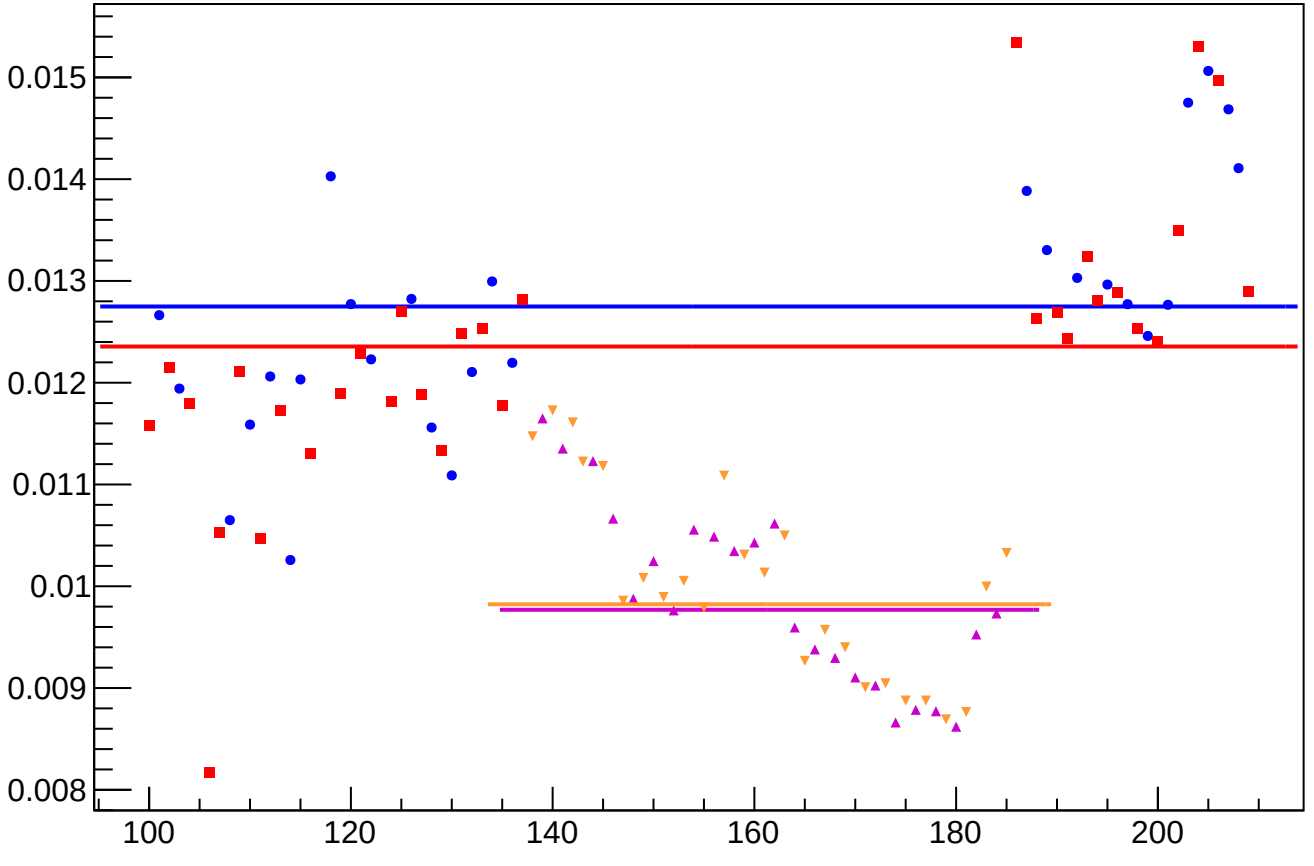
In: 0.003+/-0.000 χ^2/NDF:10684904.3/49

Out: 0.003+/-0.000 χ^2/NDF:9928039.6/56

All: 0.003+/-0.000 χ^2/NDF: 20619758.0/106


yield_bpm0l10X_mean vs Slug, Sign Corrected
−0.4
−0.6
−0.8
−1
−1.2
−1.4
−1.6
−1.8
100
120
140
160
180
200
Right In: -0.971+/-0.000 χ²/NDF: 4883962735.9/26
Left Out: -1.051+/-0.000 χ²/NDF:5082084184.4/24
Right Out: -0.998+/-0.000 χ²/NDF: 5025190666.5/31
Left In: -1.035+/-0.000 χ²/NDF:3925761523.9/22
Left: -1.043+/-0.000 χ²/NDF: 9032853026.0/47
Right: -0.986+/-0.000 χ²/NDF: 9945550926.0/58
In: -1.013+/-0.000 χ²/NDF:9058178439.4/49
Out: -1.032+/-0.000 χ²/NDF:10300614795.2/56
All: -1.023+/-0.000 χ²/NDF: 19408322413.2/

yield_bpm0l10X_rms vs Slug, Sign Corrected



Right In: 0.013+/-0.000 χ^2/NDF: 230017.1/26

Left Out: 0.010+/-0.000 χ^2/NDF:293862.1/24

Right Out: 0.012+/-0.000 χ^2/NDF: 407545.5/31

Left In: 0.010+/-0.000 χ^2/NDF:281817.4/22

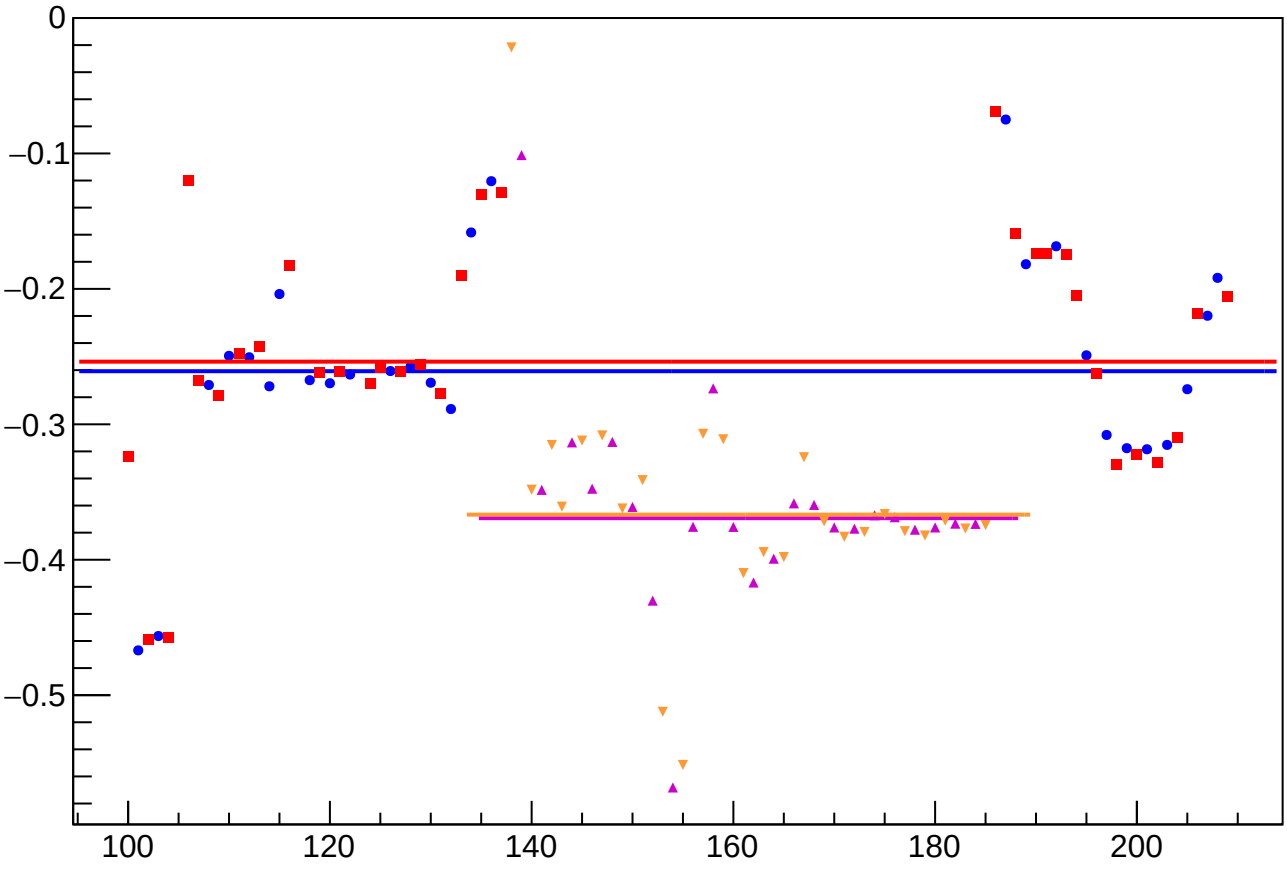
Left: 0.010+/-0.000 χ^2/NDF: 576227.7/47

Right: 0.013+/-0.000 χ^2/NDF: 653065.5/58

In: 0.011+/-0.000 χ^2/NDF:1609587.0/49

Out: 0.011+/-0.000 χ^2/NDF:1591539.4/56

All: 0.011+/-0.000 χ^2/NDF: 3201409.7/106



Right In: -0.261+/-0.000 χ^2/NDF: 8215533709.6/26

Left Out: -0.367+/-0.000 χ^2/NDF:11945266102.2/24

Right Out: -0.254+/-0.000 χ^2/NDF: 8492195892.5/31

Left In: -0.369+/-0.000 χ^2/NDF:7581323027.3/22

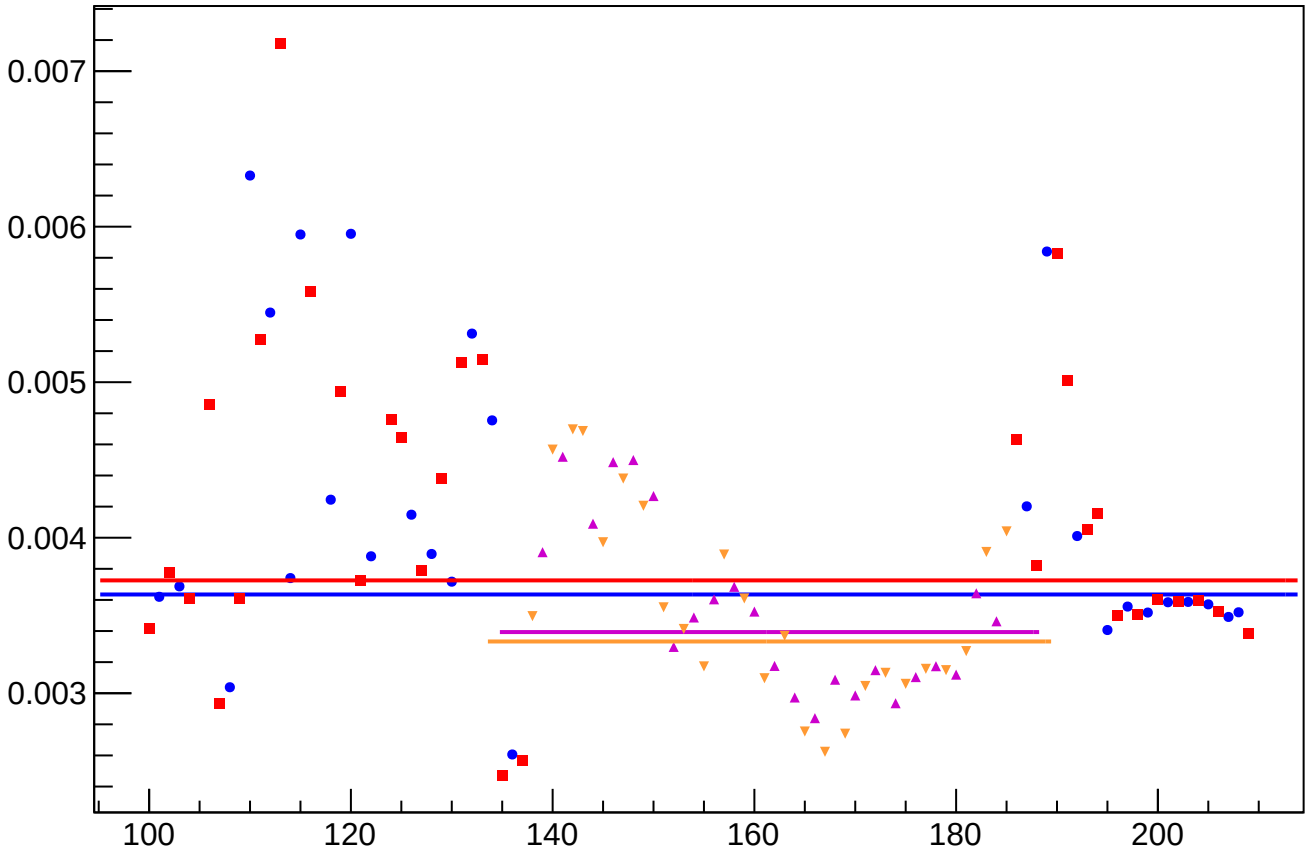
Left: -0.368+/-0.000 χ^2/NDF: 19531807890.3/47

Right: -0.257+/-0.000 χ^2/NDF: 16734649157.1/58

In: -0.323+/-0.000 χ^2/NDF:2293837321.2/49

Out: -0.320+/-0.000 χ^2/NDF:28745269383.3/56

All: -0.322+/-0.000 χ^2/NDF: 51752049778.9/



Right In: 0.004+/-0.000 χ^2/NDF: 909288.9/26

Left Out: 0.003+/-0.000 χ^2/NDF:857705.2/24

Right Out: 0.004+/-0.000 χ^2/NDF: 1109587.3/31

Left In: 0.003+/-0.000 χ^2/NDF:633604.8/22

Left: 0.003+/-0.000 χ^2/NDF: 1496833.9/47

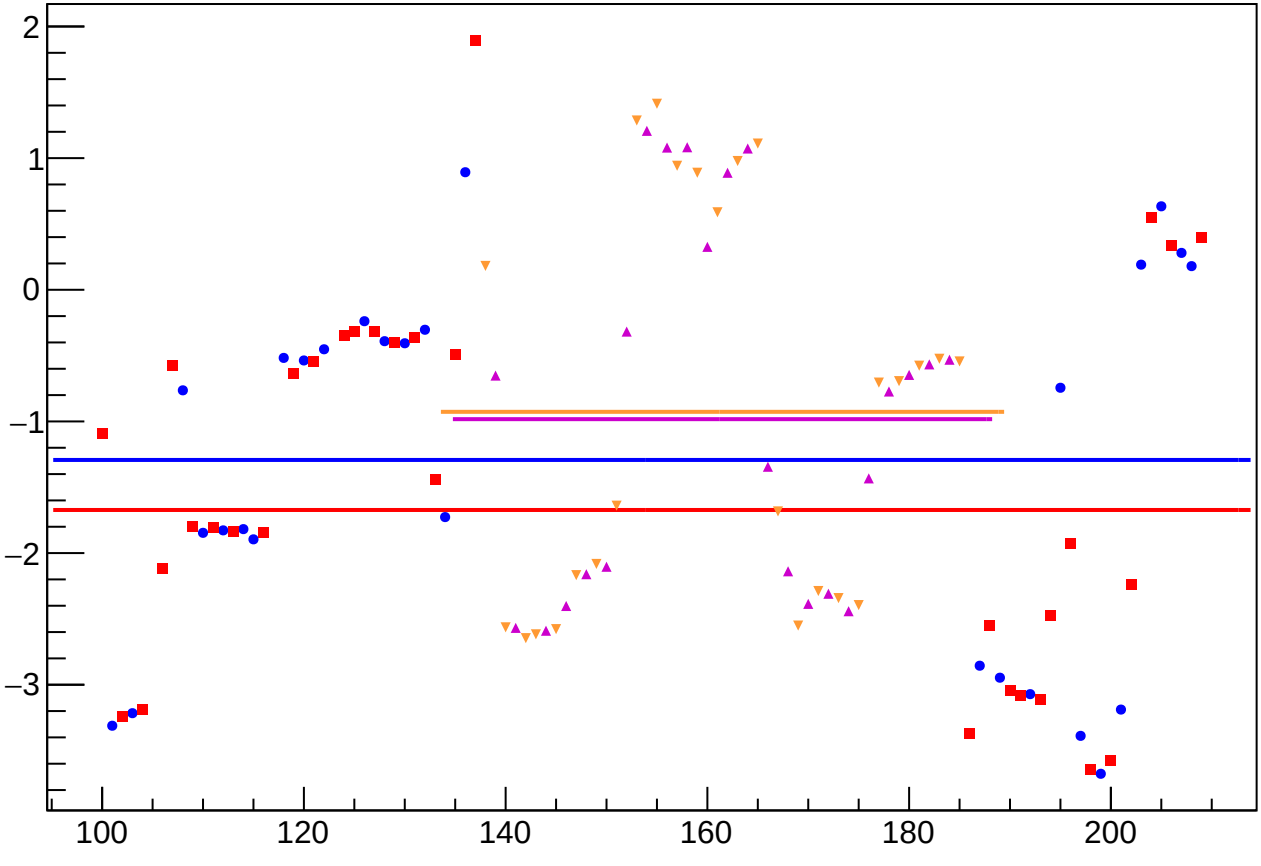
Right: 0.004+/-0.000 χ^2/NDF: 2027765.0/58

In: 0.003+/-0.000 χ^2/NDF:1614266.5/49

Out: 0.003+/-0.000 χ^2/NDF:2168223.5/56

All: 0.003+/-0.000 χ^2/NDF: 3782493.3/106

yield_bpm0r03X_mean vs Slug, Sign Corrected



Right In: -1.293+/-0.000 χ^2/NDF: 6605997951.8/26

Left Out: -0.927+/-0.000 χ^2/NDF:7248712470.7/24

Right Out: -1.673+/-0.000 χ^2/NDF: 5987464515.1/31

Left In: -0.983+/-0.000 χ^2/NDF:5918975536.0/22

Left: -0.954+/-0.000 χ^2/NDF: 13173158507.1/47

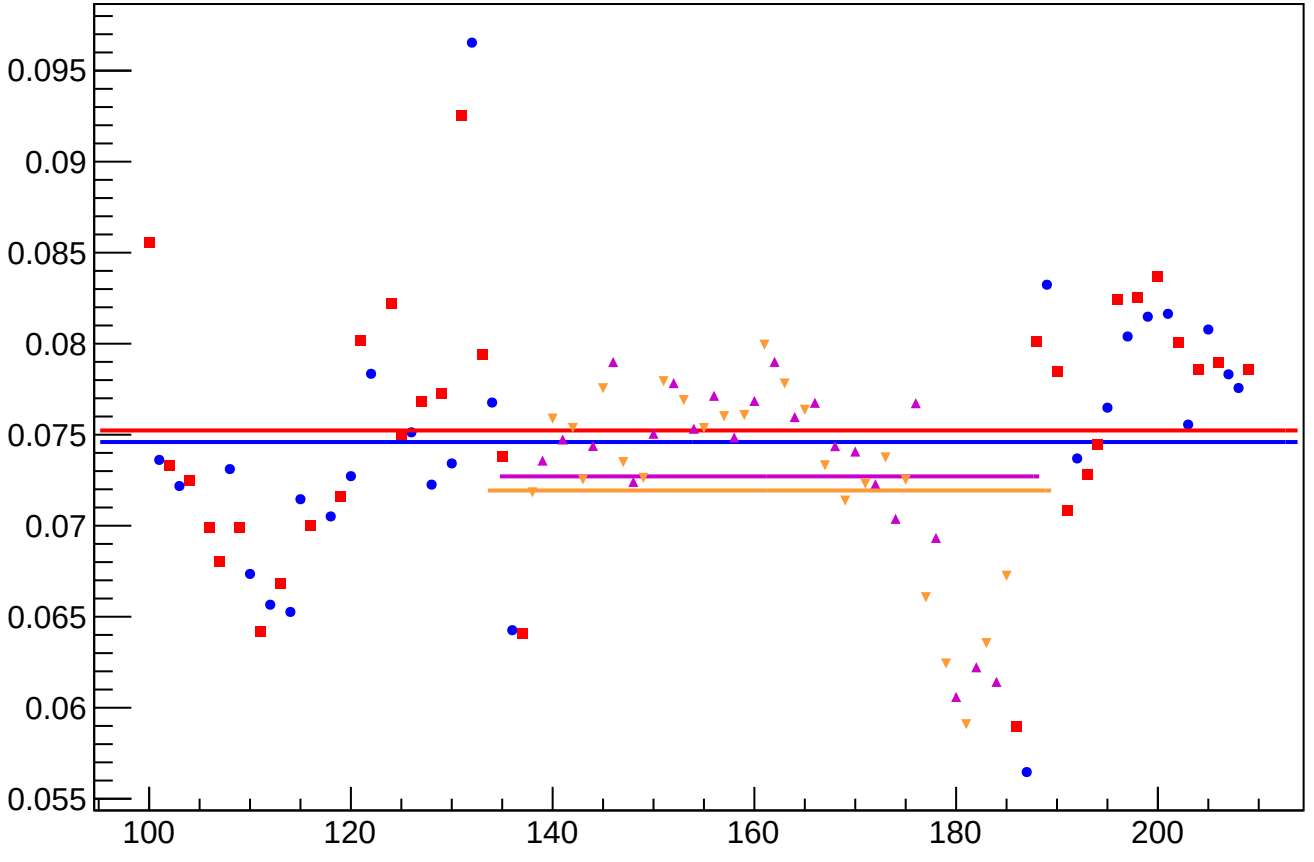
Right: -1.490+/-0.000 χ^2/NDF: 12801374772.3/58

In: -1.122+/-0.000 χ^2/NDF:12671408980.6/49

Out: -1.262+/-0.000 χ^2/NDF:14152200704.3/56

All: -1.195+/-0.000 χ^2/NDF: 26886256794.5/

yield_bpm0r03X_rms vs Slug, Sign Corrected



Right In: 0.075+/-0.000 χ^2/NDF: 224819.7/26

Left Out: 0.072+/-0.000 χ^2/NDF:235534.6/24

Right Out: 0.075+/-0.000 χ^2/NDF: 247081.3/31

Left In: 0.073+/-0.000 χ^2/NDF:197009.2/22

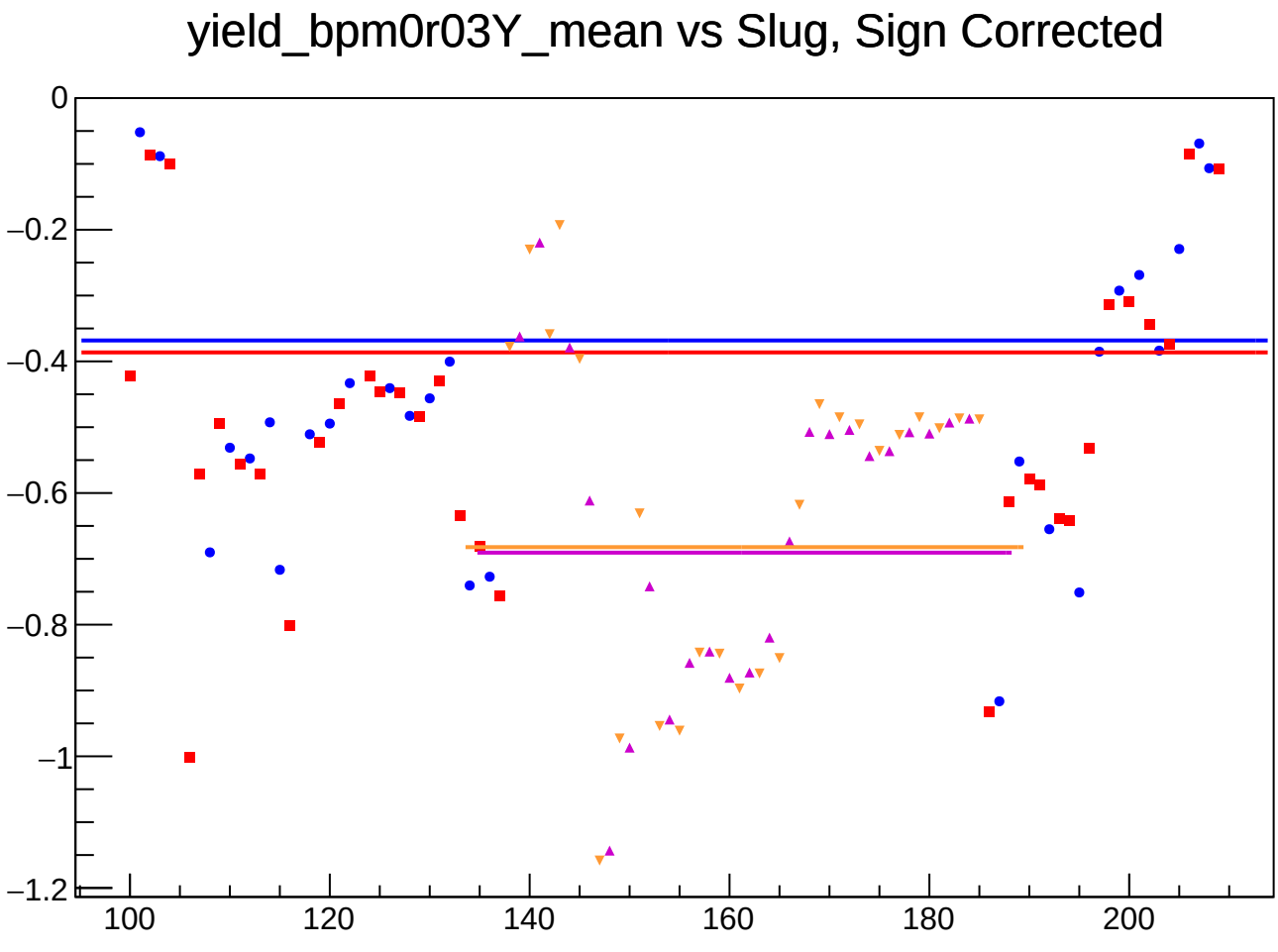
Left: 0.072+/-0.000 χ^2/NDF: 434657.5/47

Right: 0.075+/-0.000 χ^2/NDF: 473060.2/58

In: 0.074+/-0.000 χ^2/NDF:432703.9/49

Out: 0.073+/-0.000 χ^2/NDF:518447.9/56

All: 0.073+/-0.000 χ^2/NDF: 951282.1/106



Right In: -0.368+/-0.000 χ^2/NDF: 11872795825.7/26

Left Out: -0.682+/-0.000 χ^2/NDF:21823342960.4/24

Right Out: -0.386+/-0.000 χ^2/NDF: 10853307090.3/31

Left In: -0.691+/-0.000 χ^2/NDF:16867819938.3/22

Left: -0.686+/-0.000 χ^2/NDF: 38704767627.1/47

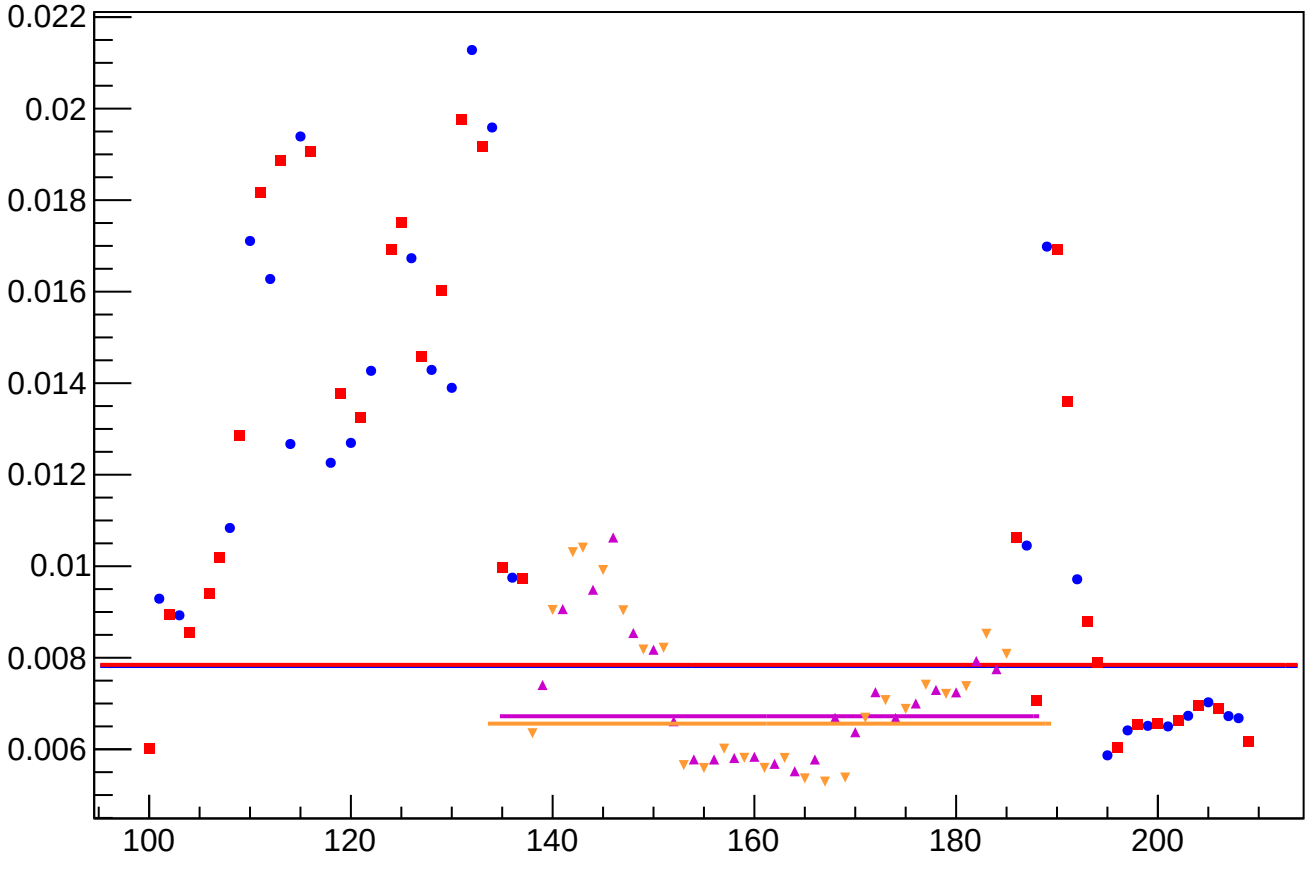
Right: -0.378+/-0.000 χ^2/NDF: 22762870660.5/58

In: -0.571+/-0.000 χ^2/NDF:42917757767.0/49

Out: -0.575+/-0.000 χ^2/NDF:45577239542.6/56

All: -0.573+/-0.000 χ^2/NDF: 88499519396.1/

yield_bpm0r03Y_rms vs Slug, Sign Corrected



Right In: 0.008+/-0.000 χ^2/NDF: 2998959.1/26

Left Out: 0.007+/-0.000 χ^2/NDF:1404221.4/24

Right Out: 0.008+/-0.000 χ^2/NDF: 3254552.8/31

Left In: 0.007+/-0.000 χ^2/NDF:960755.3/22

Left: 0.007+/-0.000 χ^2/NDF: 2375100.1/47

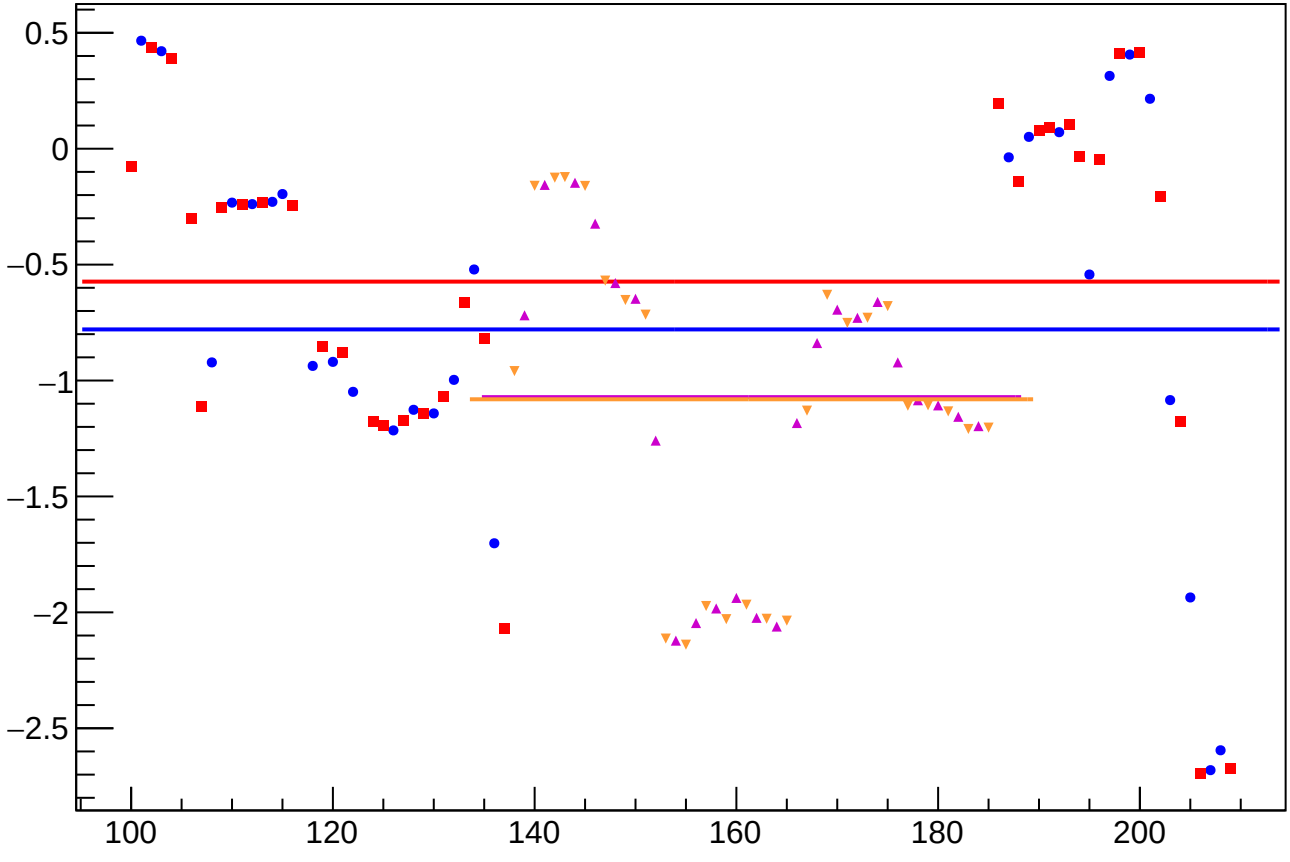
Right: 0.008+/-0.000 χ^2/NDF: 6253661.7/58

In: 0.007+/-0.000 χ^2/NDF:4288184.0/49

Out: 0.007+/-0.000 χ^2/NDF:5145330.7/56

All: 0.007+/-0.000 χ^2/NDF: 9439978.0/106

yield_bpm0r05X_mean vs Slug, Sign Corrected



Right In: -0.780+/-0.000 χ^2/NDF: 1683453408.9/26

Left Out: -1.081+/-0.000 χ^2/NDF:1152285460.9/24

Right Out: -0.573+/-0.000 χ^2/NDF: 1658406727.8/31

Left In: -1.072+/-0.000 χ^2/NDF:975623531.2/22

Left: -1.076+/-0.000 χ^2/NDF: 2128025374.6/47

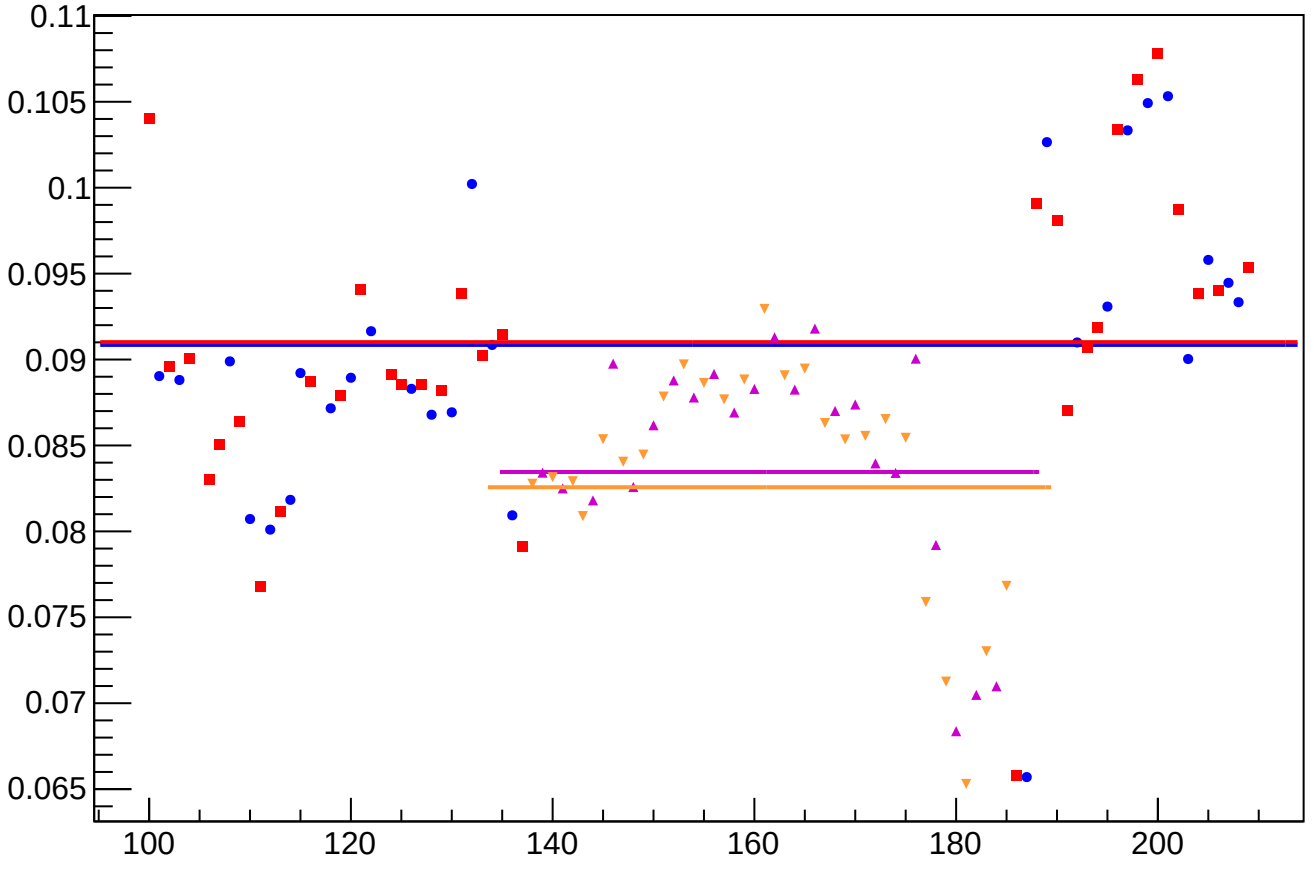
Right: -0.672+/-0.000 χ^2/NDF: 3383834009.7/58

In: -0.948+/-0.000 χ^2/NDF:2752473082.0/49

Out: -0.866+/-0.000 χ^2/NDF:3116838066.5/56

All: -0.905+/-0.000 χ^2/NDF: 5885290533.6/1

yield_bpm0r05X_rms vs Slug, Sign Corrected



Right In: 0.091+/-0.000 χ^2/NDF: 238975.8/26

Left Out: 0.083+/-0.000 χ^2/NDF:291134.3/24

Right Out: 0.091+/-0.000 χ^2/NDF: 331214.9/31

Left In: 0.083+/-0.000 χ^2/NDF:238412.3/22

Left: 0.083+/-0.000 χ^2/NDF: 531669.0/47

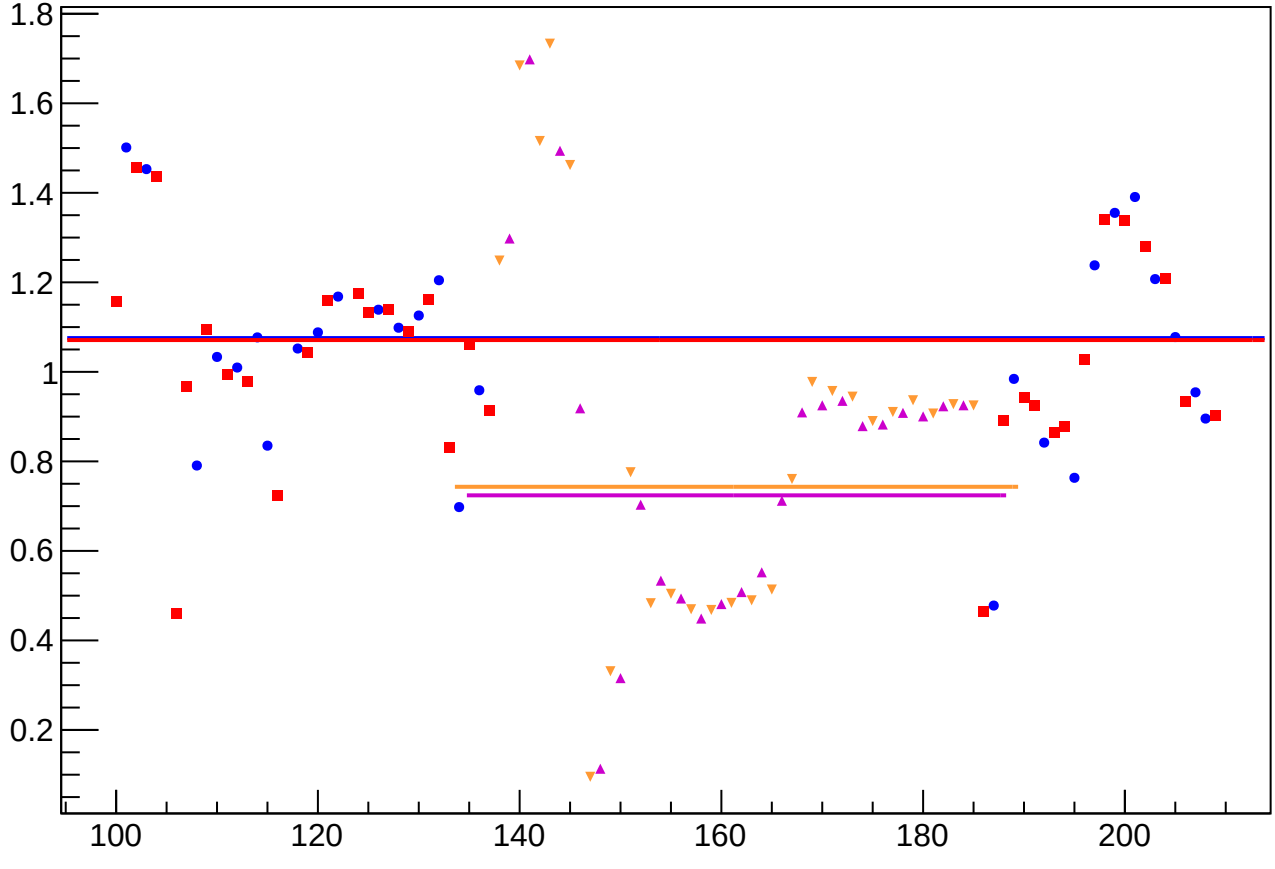
Right: 0.091+/-0.000 χ^2/NDF: 570242.1/58

In: 0.087+/-0.000 χ^2/NDF:597133.3/49

Out: 0.086+/-0.000 χ^2/NDF:791778.9/56

All: 0.086+/-0.000 χ^2/NDF: 1389759.7/106

yield_bpm0r05Y_mean vs Slug, Sign Corrected



Right In: 1.075+/-0.000 χ^2/NDF: 5601991116.7/26

Left Out: 0.743+/-0.000 χ^2/NDF:32581746516.6/24

Right Out: 1.071+/-0.000 χ^2/NDF: 5344478883.4/31

Left In: 0.724+/-0.000 χ^2/NDF:25654534031.9/22

Left: 0.734+/-0.000 χ^2/NDF: 58283506093.5/47

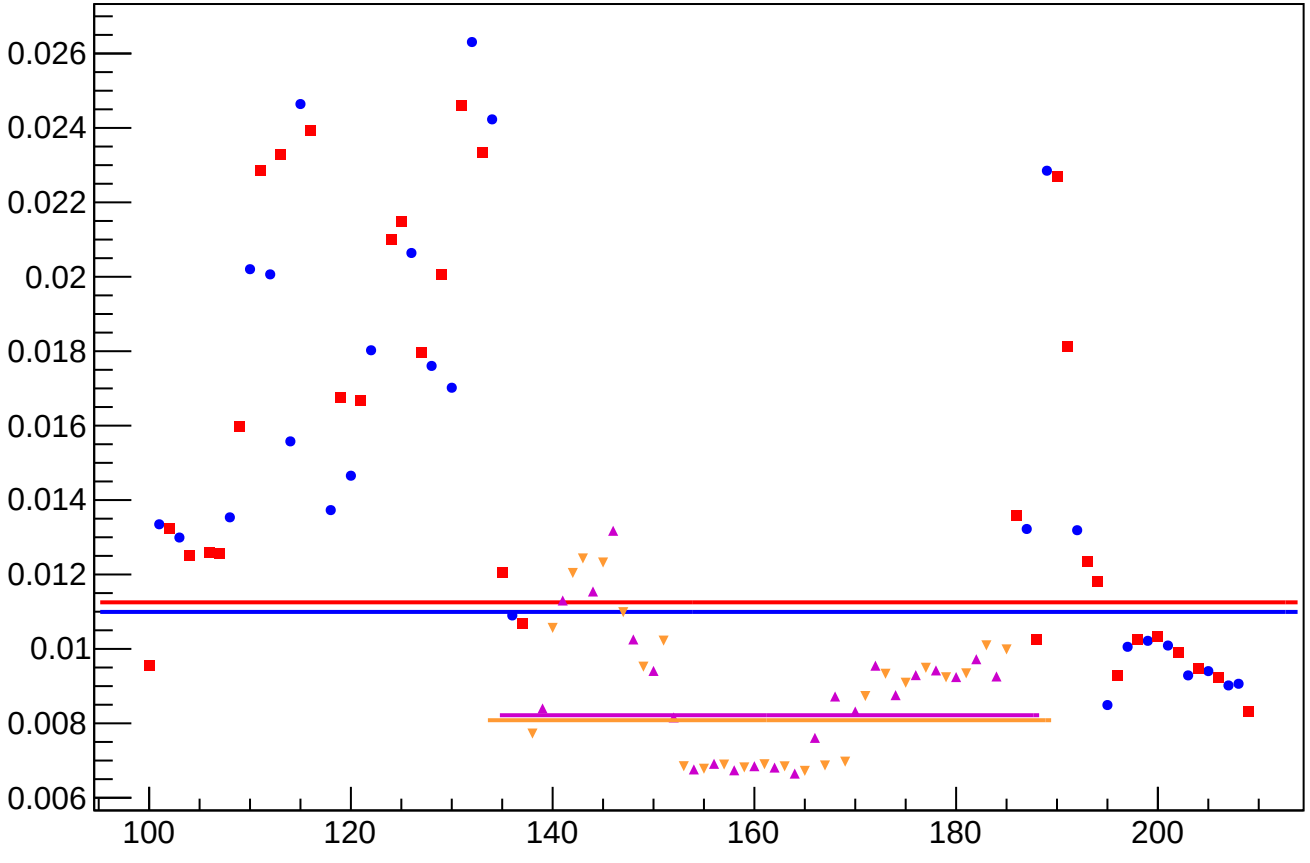
Right: 1.073+/-0.000 χ^2/NDF: 10947569397.1/58

In: 0.834+/-0.000 χ^2/NDF:40804900703.1/49

Out: 0.841+/-0.000 χ^2/NDF:46636885328.7/56

All: 0.838+/-0.000 χ^2/NDF: 87451639411.1/1

yield_bpm0r05Y_rms vs Slug, Sign Corrected



Right In: 0.011+/-0.000 χ^2/NDF: 2193891.6/26

Left Out: 0.008+/-0.000 χ^2/NDF:1406307.1/24

Right Out: 0.011+/-0.000 χ^2/NDF: 2456947.9/31

Left In: 0.008+/-0.000 χ^2/NDF:1127833.6/22

Left: 0.008+/-0.000 χ^2/NDF: 2538791.6/47

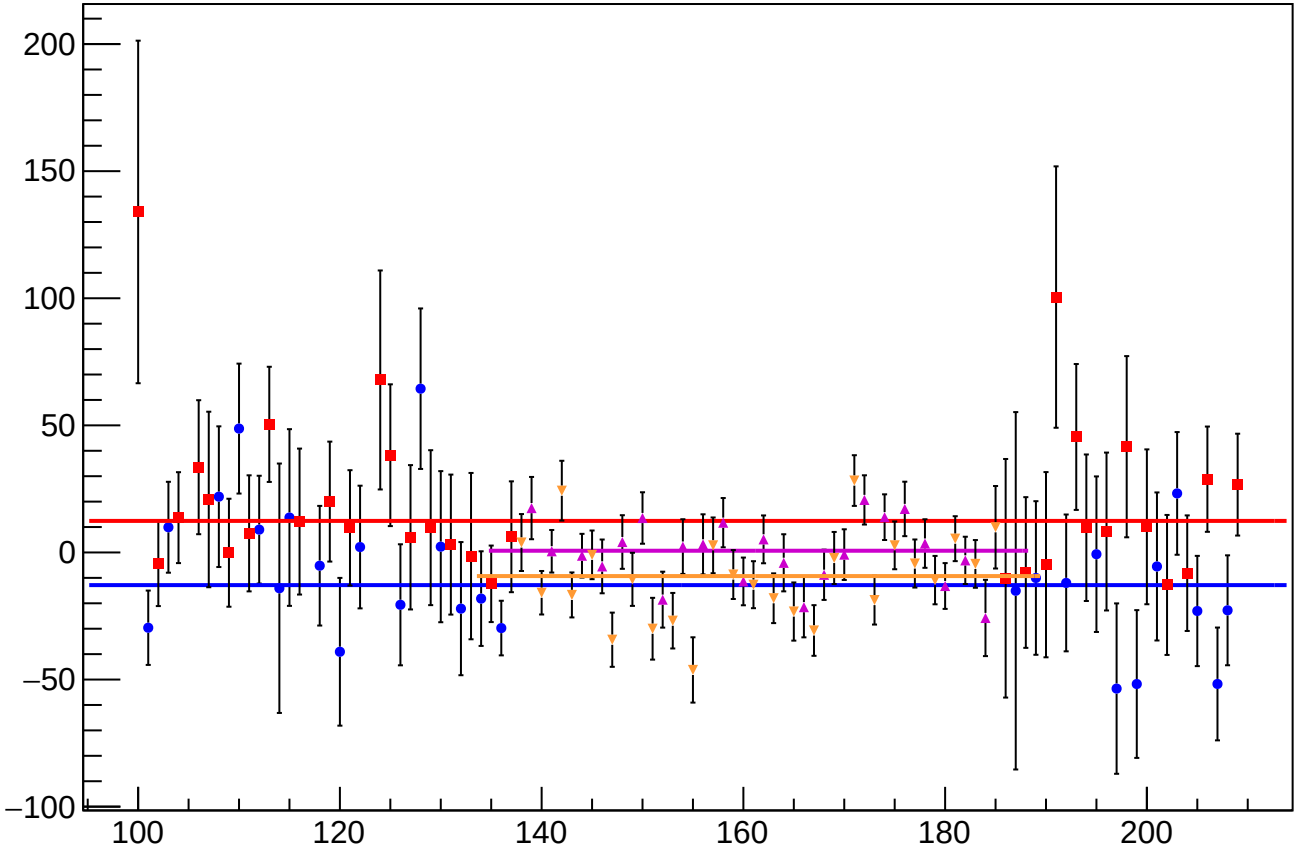
Right: 0.011+/-0.000 χ^2/NDF: 4658403.8/58

In: 0.009+/-0.000 χ^2/NDF:4514300.0/49

Out: 0.009+/-0.000 χ^2/NDF:5490059.7/56

All: 0.009+/-0.000 χ^2/NDF: 10005489.7/106

diff_bpm4aX_mean vs Slug, Sign Corrected



Right In: -12.847+/-4.440 χ^2/NDF: 31.5/26

Left Out: -9.292+/-2.031 χ^2/NDF:61.1/24

Right Out: 12.411+/-4.508 χ^2/NDF: 22.6/31

Left In: 0.676+/-2.104 χ^2/NDF:29.4/22

Left: -4.485+/-1.461 χ^2/NDF: 102.2/47

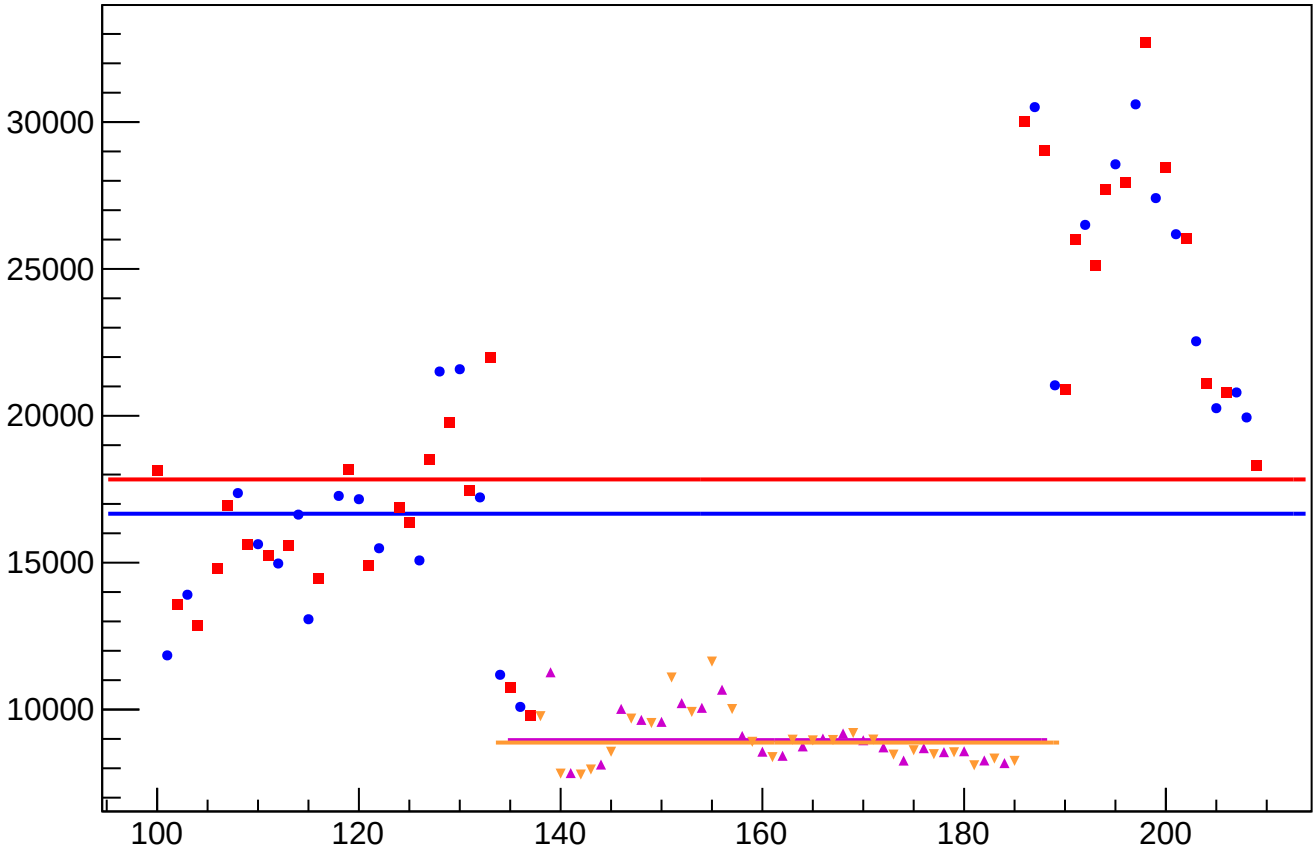
Right: -0.411+/-3.163 χ^2/NDF: 70.1/58

In: -1.805+/-1.901 χ^2/NDF:68.5/49

Out: -5.630+/-1.851 χ^2/NDF:103.0/56

All: -3.769+/-1.326 χ^2/NDF: 173.6/106

diff_bpm4aX_rms vs Slug, Sign Corrected



Right In: 16666.257+/-3.139 χ^2/NDF: 3155250.1/26

Left Out: 8875.623+/-1.436 χ^2/NDF:346964.6/24

Right Out: 17833.974+/-3.187 χ^2/NDF: 3114239.6/31

Left In: 8958.661+/-1.488 χ^2/NDF:301724.6/22

Left: 8915.664+/-1.033 χ^2/NDF: 650301.9/47

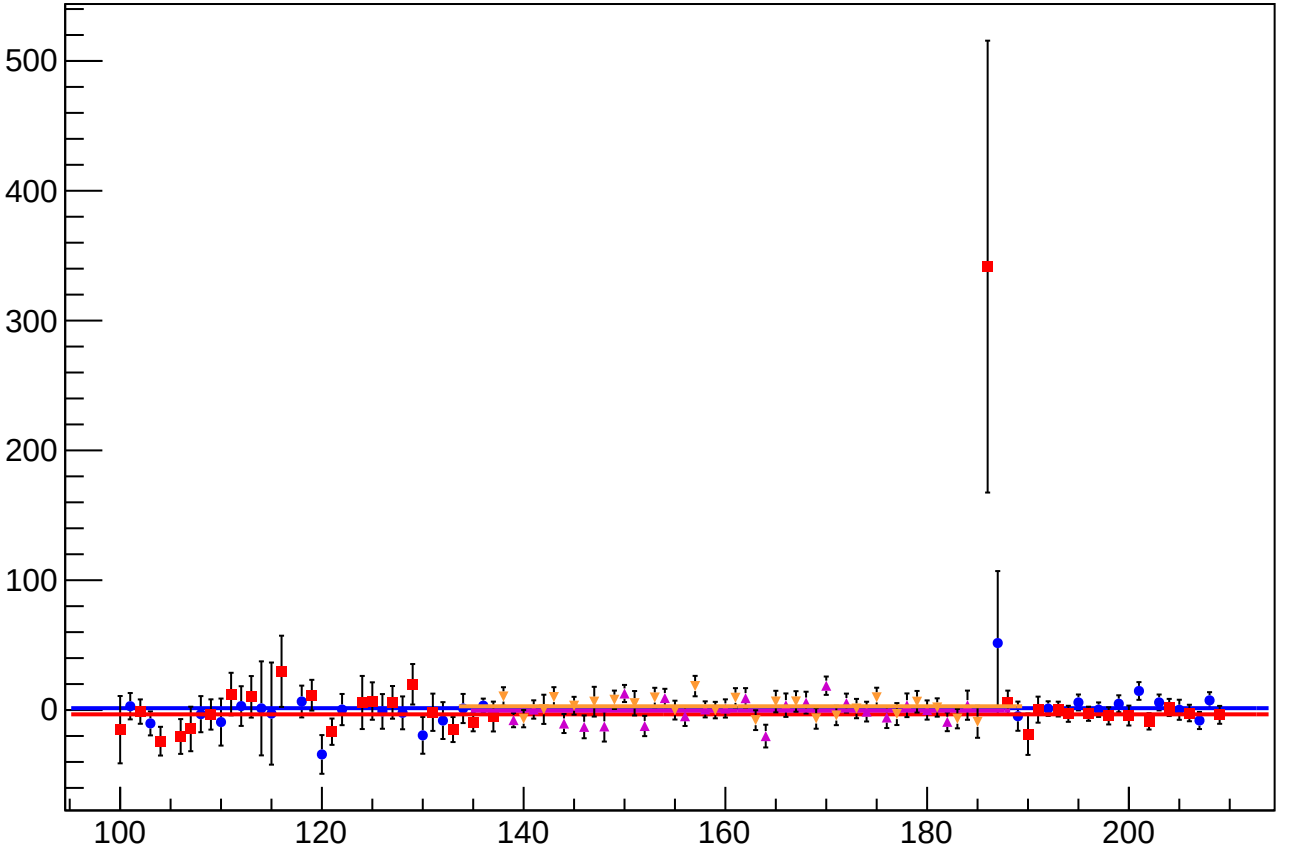
Right: 17241.218+/-2.237 χ^2/NDF: 6337617.9/58

In: 10372.502+/-1.345 χ^2/NDF:8379406.4/49

Out: 10386.807+/-1.309 χ^2/NDF:10027666.9/56

All: 10379.845+/-0.938 χ^2/NDF: 18407131.5

diff_bpm4aY_mean vs Slug, Sign Corrected



Right In: 1.426+/-1.685 χ^2/NDF: 20.1/26

Left Out: 2.879+/-1.554 χ^2/NDF:19.5/24

Right Out: -3.322+/-1.636 χ^2/NDF: 25.7/31

Left In: -0.456+/-1.581 χ^2/NDF:32.8/22

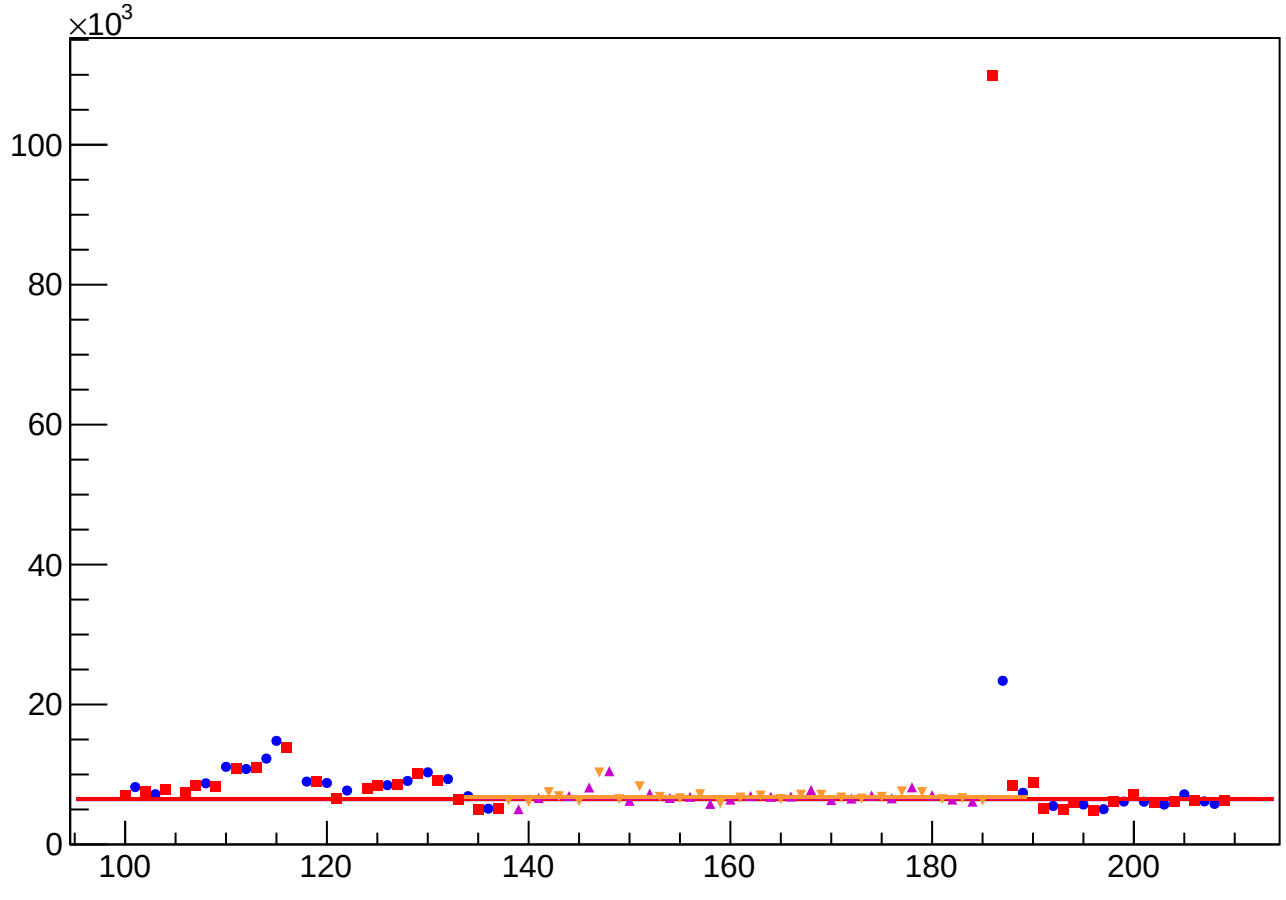
Left: 1.241+/-1.108 χ^2/NDF: 54.5/47

Right: -1.019+/-1.174 χ^2/NDF: 50.0/58

In: 0.426+/-1.153 χ^2/NDF:53.6/49

Out: -0.063+/-1.126 χ^2/NDF:52.8/56

All: 0.176+/-0.806 χ^2/NDF: 106.5/106



Right In: 6469.755+/-1.191 χ^2/NDF: 1701127.5/26

Left Out: 6776.739+/-1.099 χ^2/NDF:400166.7/24

Right Out: 6499.937+/-1.157 χ^2/NDF: 2335908.1/31

Left In: 6689.550+/-1.118 χ^2/NDF:620276.8/22

Left: 6733.914+/-0.784 χ^2/NDF: 1023536.8/47

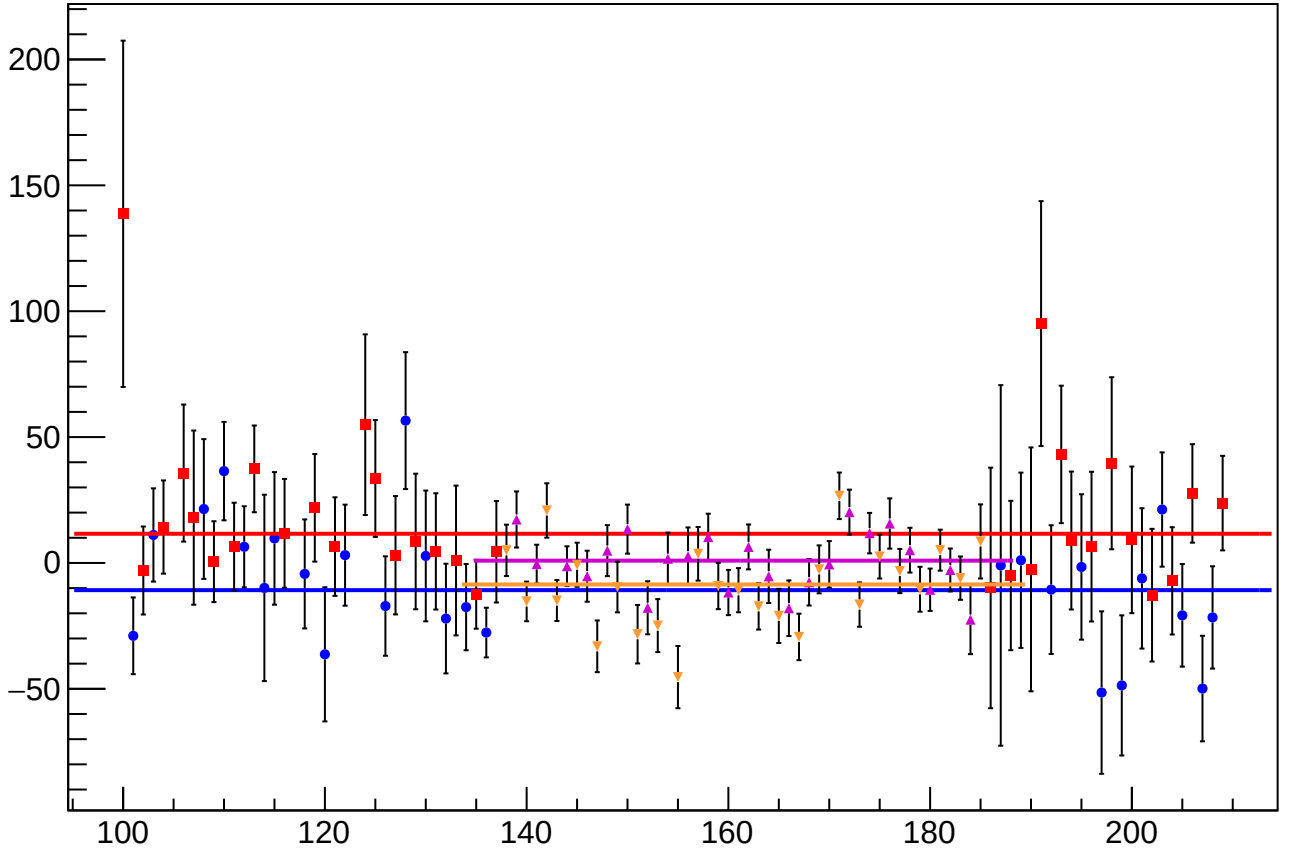
Right: 6485.295+/-0.830 χ^2/NDF: 4037366.1/58

In: 6586.616+/-0.815 χ^2/NDF:2339497.0/49

Out: 6645.438+/-0.797 χ^2/NDF:2766184.1/56

All: 6616.715+/-0.570 χ^2/NDF: 5108343.9/10

diff_bpm4eX_mean vs Slug, Sign Corrected



Right In: -10.805+/-4.059 χ^2/NDF: 32.8/26

Left Out: -8.536+/-1.897 χ^2/NDF:61.9/24

Right Out: 11.598+/-4.081 χ^2/NDF: 22.3/31

Left In: 0.919+/-1.969 χ^2/NDF:29.1/22

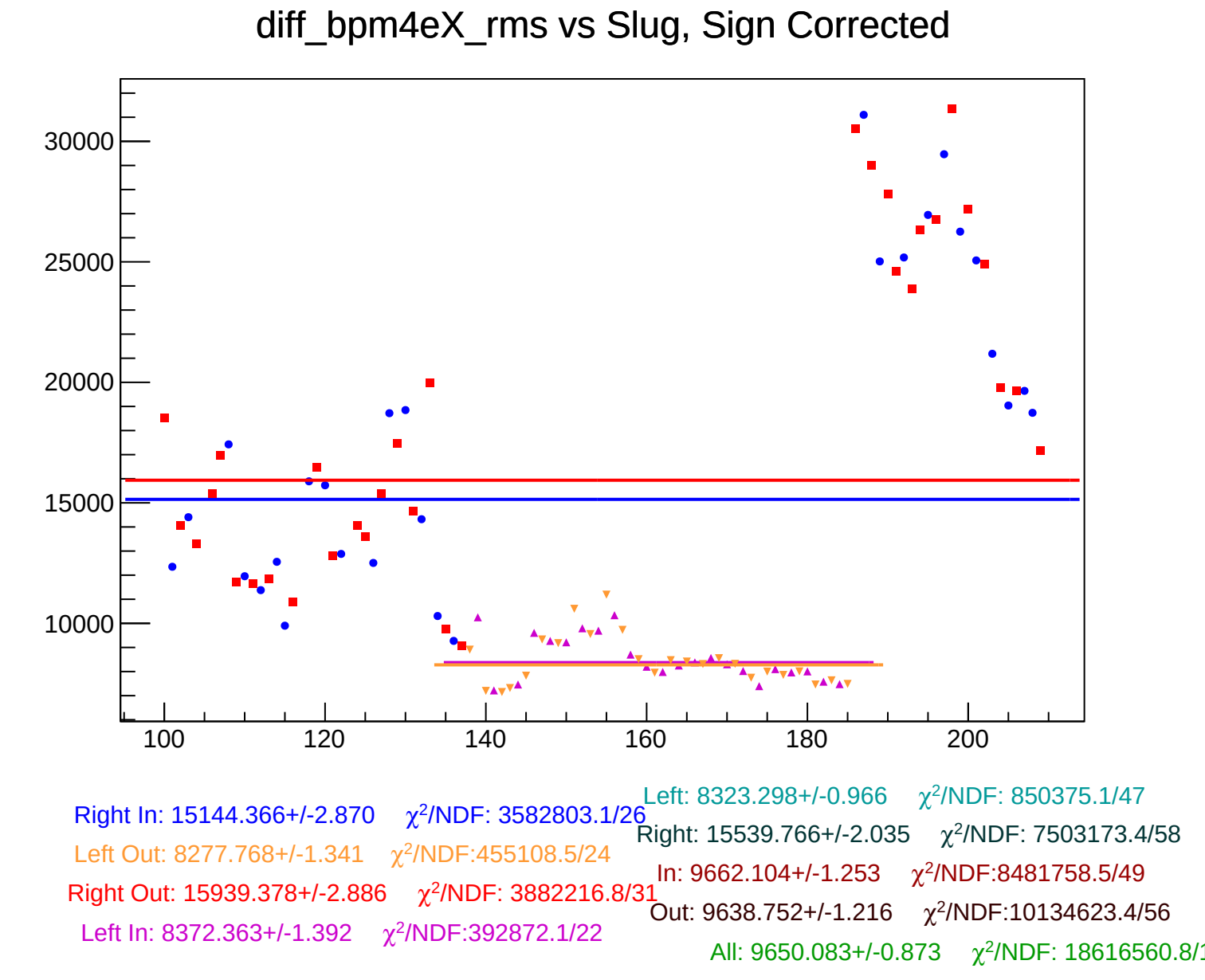
Left: -3.985+/-1.366 χ^2/NDF: 103.0/47

Right: 0.338+/-2.878 χ^2/NDF: 70.2/58

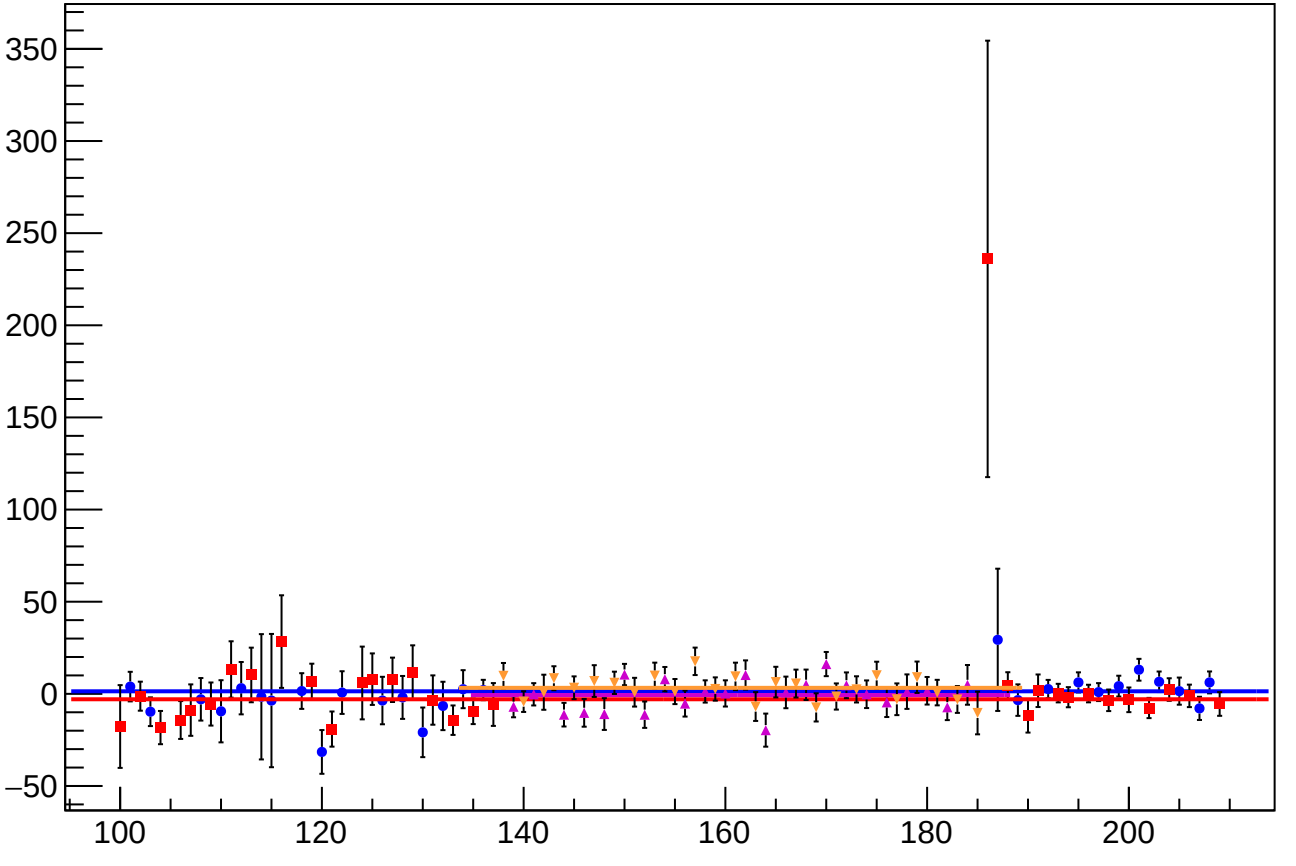
In: -1.313+/-1.772 χ^2/NDF:68.6/49

Out: -4.960+/-1.720 χ^2/NDF:104.2/56

All: -3.190+/-1.234 χ^2/NDF: 175.0/106


diff_bpm4eX_rms vs Slug, Sign Corrected
30000
25000
20000
15000
10000
100
120
140
160
180
200
Right In: 15144.366+/-2.870 χ²/NDF: 3582803.1/26
Left Out: 8277.768+/-1.341 χ²/NDF:455108.5/24
Right Out: 15939.378+/-2.886 χ²/NDF: 3882216.8/31
Left In: 8372.363+/-1.392 χ²/NDF:392872.1/22
Left: 8323.298+/-0.966 χ²/NDF: 850375.1/47
Right: 15539.766+/-2.035 χ²/NDF: 7503173.4/58
In: 9662.104+/-1.253 χ²/NDF:8481758.5/49
Out: 9638.752+/-1.216 χ²/NDF:10134623.4/56
All: 9650.083+/-0.873 χ²/NDF: 18616560.8/1

diff_bpm4eY_mean vs Slug, Sign Corrected



Right In: 1.383+/-1.513 χ^2/NDF: 23.3/26

Left Out: 3.255+/-1.457 χ^2/NDF:17.6/24

Right Out: -2.943+/-1.449 χ^2/NDF: 26.7/31

Left In: -0.645+/-1.499 χ^2/NDF:30.8/22

Left: 1.360+/-1.045 χ^2/NDF: 51.9/47

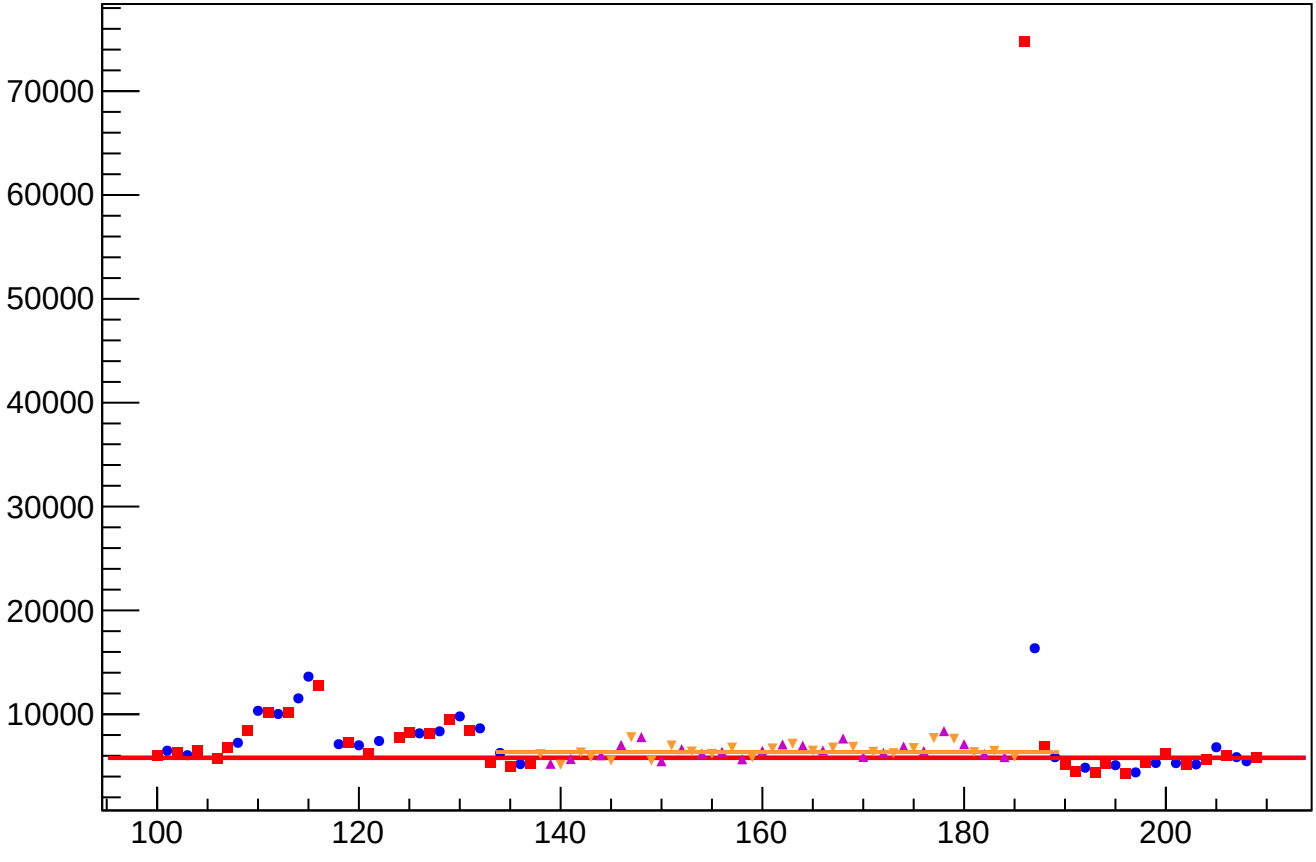
Right: -0.874+/-1.047 χ^2/NDF: 54.3/58

In: 0.359+/-1.065 χ^2/NDF:55.0/49

Out: 0.138+/-1.027 χ^2/NDF:53.4/56

All: 0.245+/-0.739 χ^2/NDF: 108.4/106

diff_bpm4eY_rms vs Slug, Sign Corrected



Right In: 5828.582+/-1.070 χ^2/NDF: 1600502.9/26

Left Out: 6357.608+/-1.030 χ^2/NDF:414119.5/24

Right Out: 5778.868+/-1.024 χ^2/NDF: 2298117.5/31

Left In: 6359.907+/-1.060 χ^2/NDF:473875.4/22

Left: 6358.725+/-0.739 χ^2/NDF: 887997.3/47

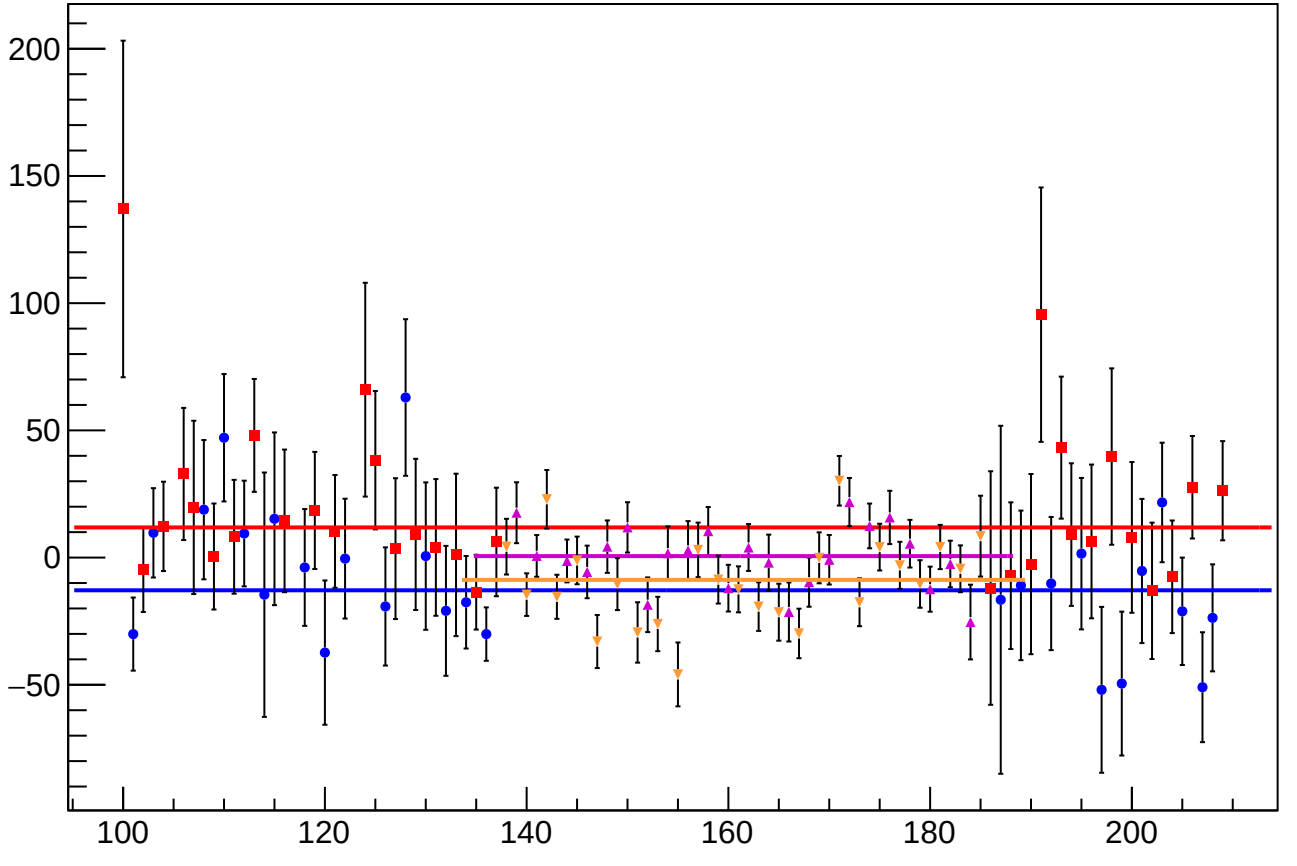
Right: 5802.642+/-0.740 χ^2/NDF: 3899746.5/58

In: 6096.739+/-0.753 χ^2/NDF:2198795.8/49

Out: 6066.578+/-0.726 χ^2/NDF:2870884.3/56

All: 6081.116+/-0.523 χ^2/NDF: 5070510.8/10

diff_bpm4acX_mean vs Slug, Sign Corrected



Right In: -12.859+/-4.338 χ^2/NDF: 31.5/26

Left Out: -8.767+/-1.987 χ^2/NDF:62.7/24

Right Out: 11.853+/-4.404 χ^2/NDF: 22.8/31

Left In: 0.579+/-2.059 χ^2/NDF:29.6/22

Left: -4.260+/-1.430 χ^2/NDF: 102.9/47

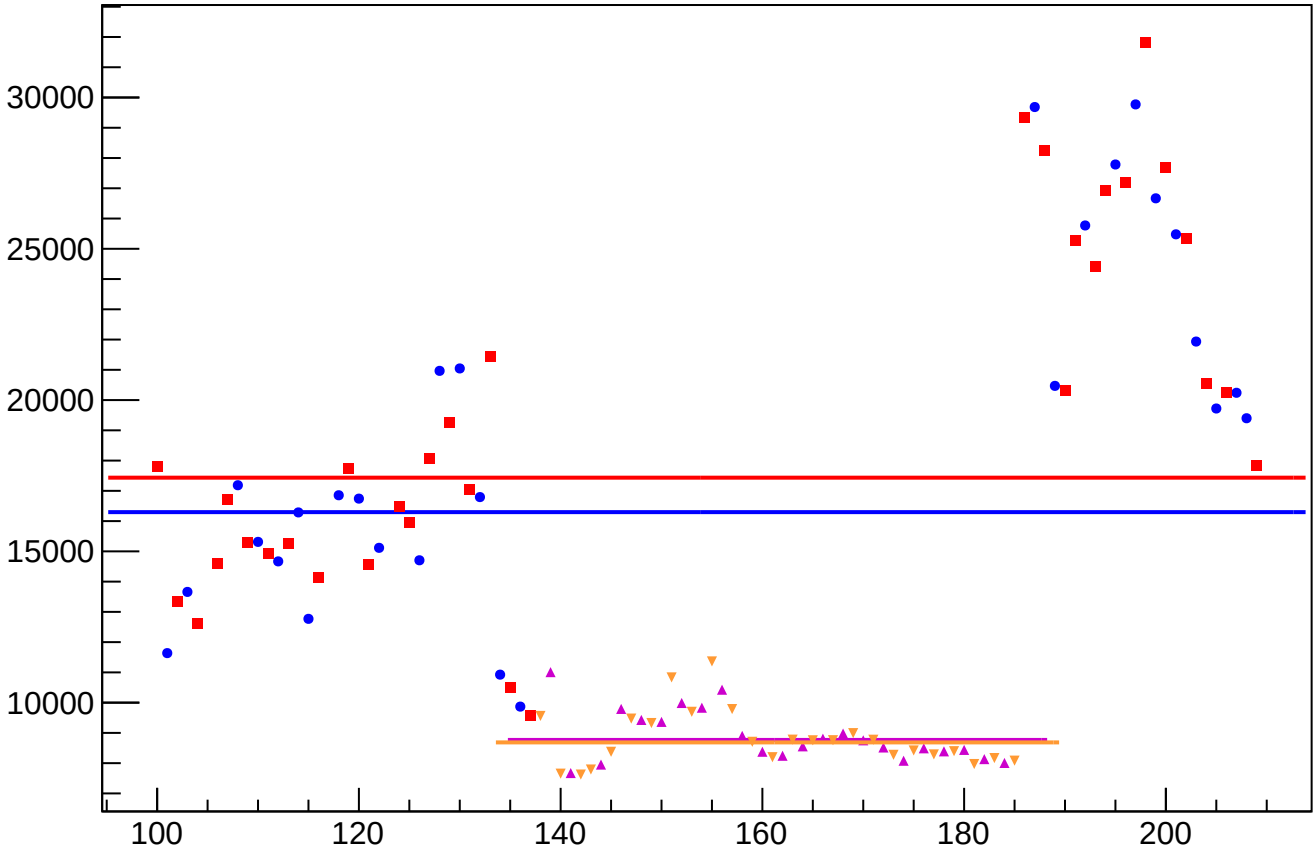
Right: -0.690+/-3.090 χ^2/NDF: 70.3/58

In: -1.892+/-1.860 χ^2/NDF:68.9/49

Out: -5.279+/-1.811 χ^2/NDF:103.7/56

All: -3.631+/-1.298 χ^2/NDF: 174.3/106

diff_bpm4acX_rms vs Slug, Sign Corrected



Right In: 16296.562+/-3.067 χ^2/NDF: 3109949.7/26

Left Out: 8686.048+/-1.405 χ^2/NDF:340655.6/24

Right Out: 17435.573+/-3.114 χ^2/NDF: 3065318.6/31

Left In: 8767.705+/-1.456 χ^2/NDF:295552.8/22

Left: 8725.421+/-1.011 χ^2/NDF: 637837.1/47

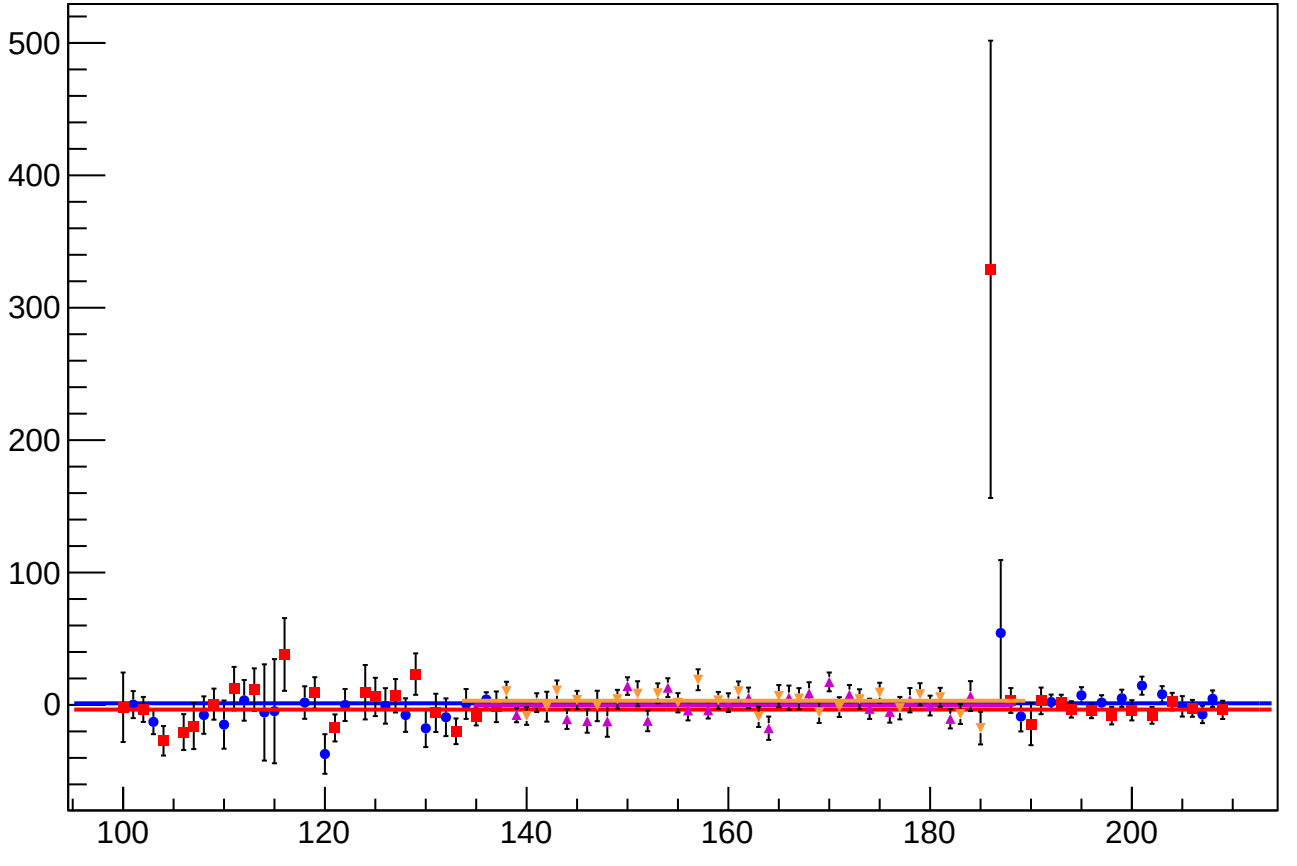
Right: 16857.459+/-2.185 χ^2/NDF: 6243182.0/58

In: 10152.363+/-1.315 χ^2/NDF:8322961.7/49

Out: 10166.093+/-1.281 χ^2/NDF:9965971.2/56

All: 10159.412+/-0.918 χ^2/NDF: 18288988.8

diff_bpm4acY_mean vs Slug, Sign Corrected



Right In: 1.223+/-1.690 χ^2/NDF: 23.3/26

Left Out: 3.171+/-1.562 χ^2/NDF:21.7/24

Right Out: -3.504+/-1.641 χ^2/NDF: 29.6/31

Left In: -0.269+/-1.590 χ^2/NDF:34.2/22

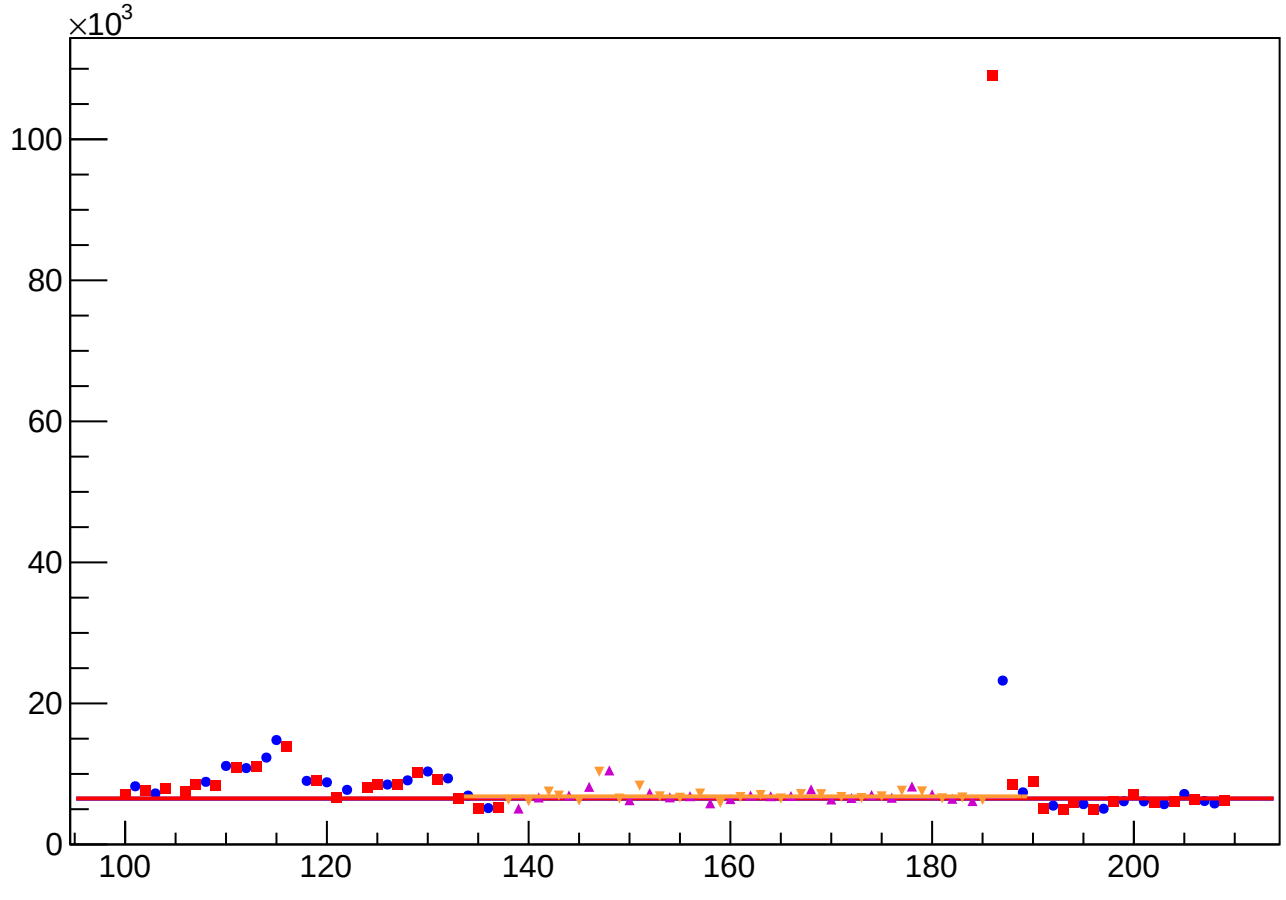
Left: 1.482+/-1.114 χ^2/NDF: 58.3/47

Right: -1.210+/-1.177 χ^2/NDF: 56.9/58

In: 0.432+/-1.158 χ^2/NDF:57.9/49

Out: -0.001+/-1.131 χ^2/NDF:59.9/56

All: 0.210+/-0.809 χ^2/NDF: 117.9/106



Right In: 6490.520+/-1.195 χ^2/NDF: 1699889.0/26

Left Out: 6812.964+/-1.104 χ^2/NDF:394620.8/24

Right Out: 6523.772+/-1.161 χ^2/NDF: 2331225.4/31

Left In: 6727.864+/-1.124 χ^2/NDF:610037.3/22

Left: 6771.179+/-0.788 χ^2/NDF: 1007573.6/47

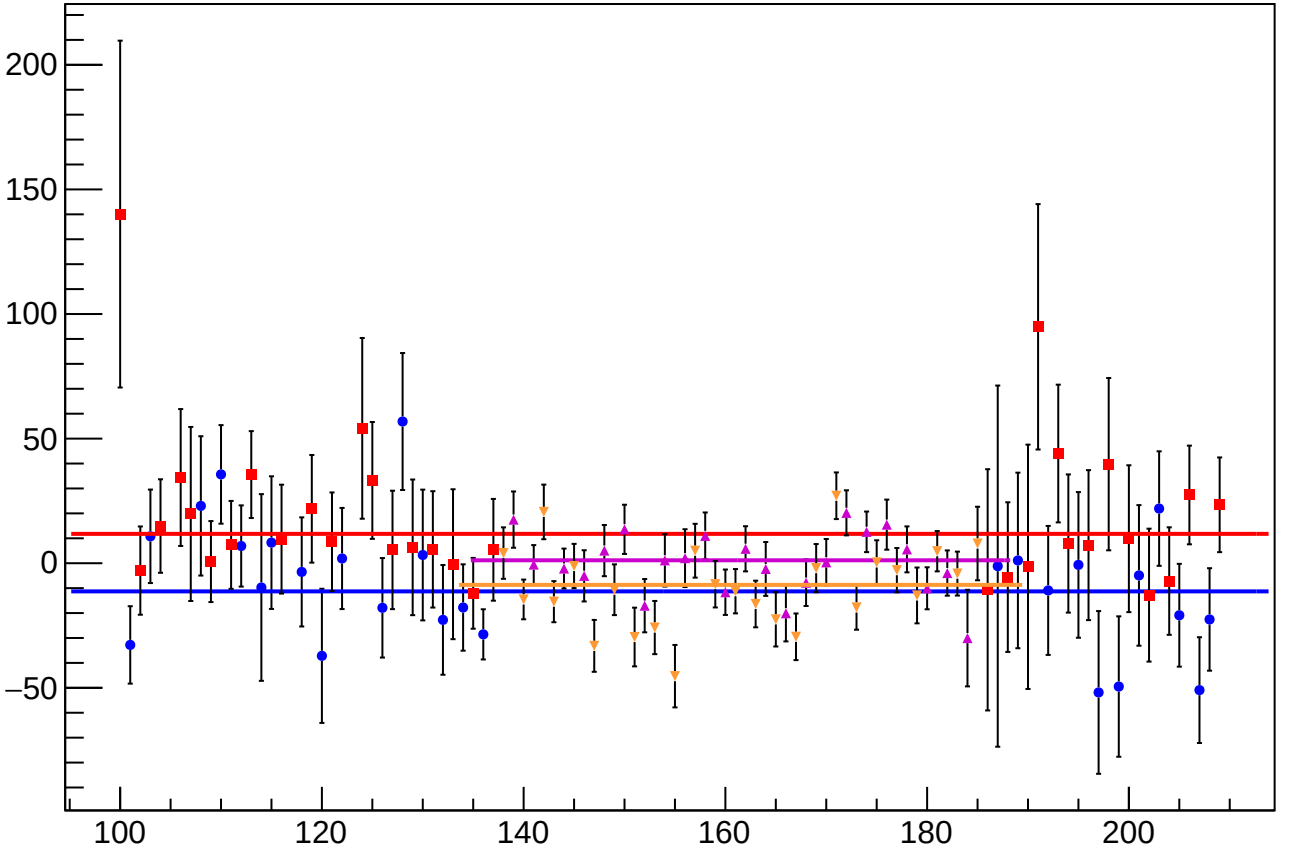
Right: 6507.635+/-0.833 χ^2/NDF: 4031512.8/58

In: 6616.419+/-0.819 χ^2/NDF:2330846.8/49

Out: 6675.532+/-0.800 χ^2/NDF:2758432.6/56

All: 6646.666+/-0.572 χ^2/NDF: 5091945.3/10

diff_bpm4ecX_mean vs Slug, Sign Corrected



Right In: -11.301+/-4.113 χ^2/NDF: 33.4/26

Left Out: -8.692+/-1.936 χ^2/NDF:61.4/24

Right Out: 11.781+/-4.138 χ^2/NDF: 21.1/31

Left In: 1.174+/-2.012 χ^2/NDF:28.6/22

Left: -3.950+/-1.395 χ^2/NDF: 102.4/47

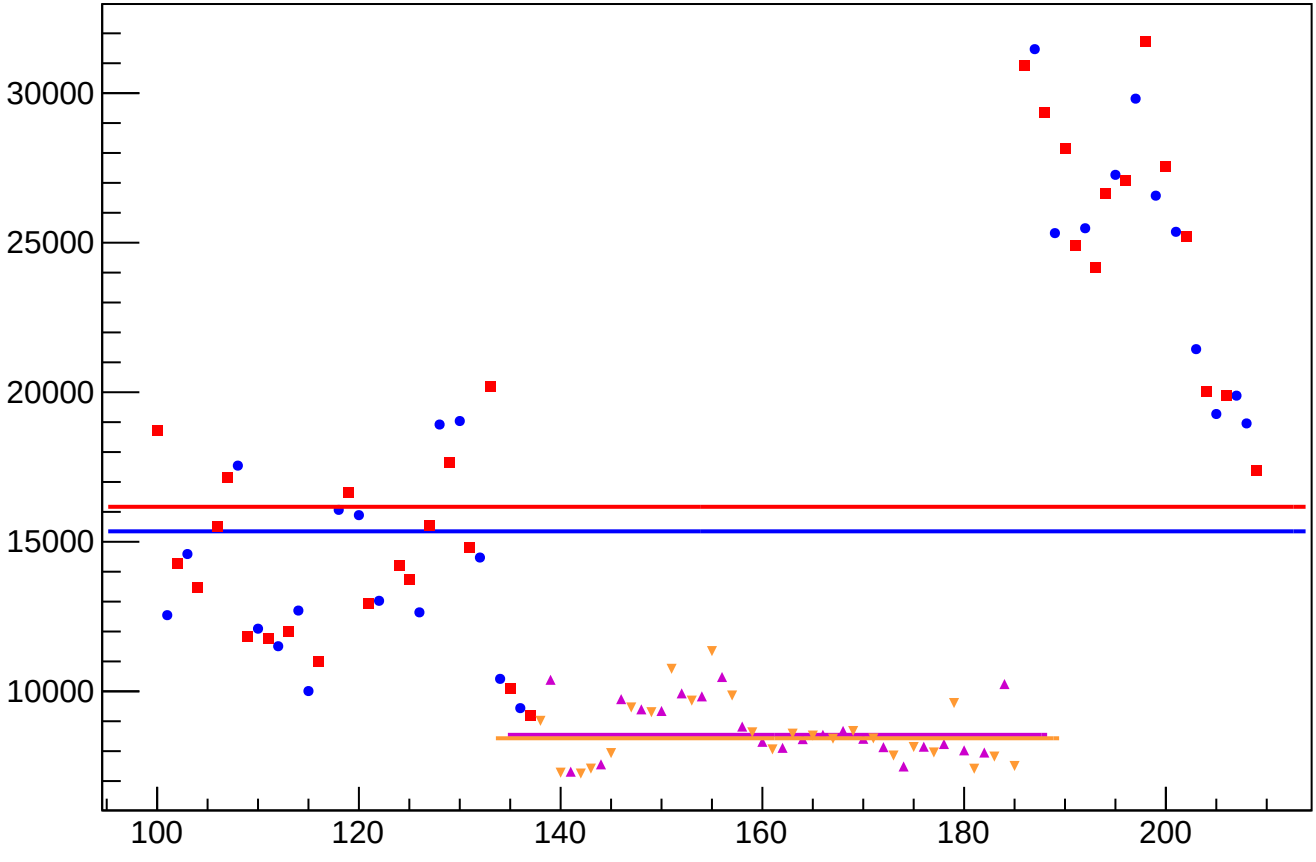
Right: 0.172+/-2.917 χ^2/NDF: 70.2/58

In: -1.235+/-1.808 χ^2/NDF:69.4/49

Out: -5.015+/-1.754 χ^2/NDF:102.6/56

All: -3.182+/-1.259 χ^2/NDF: 174.3/106

diff_bpm4ecX_rms vs Slug, Sign Corrected



Right In: 15349.576+/-2.909 χ^2/NDF: 3556876.5/26

Left Out: 8430.683+/-1.369 χ^2/NDF:484653.2/24

Right Out: 16169.776+/-2.926 χ^2/NDF: 3838790.4/31

Left In: 8545.534+/-1.423 χ^2/NDF:389747.0/22

Left: 8485.892+/-0.987 χ^2/NDF: 877783.2/47

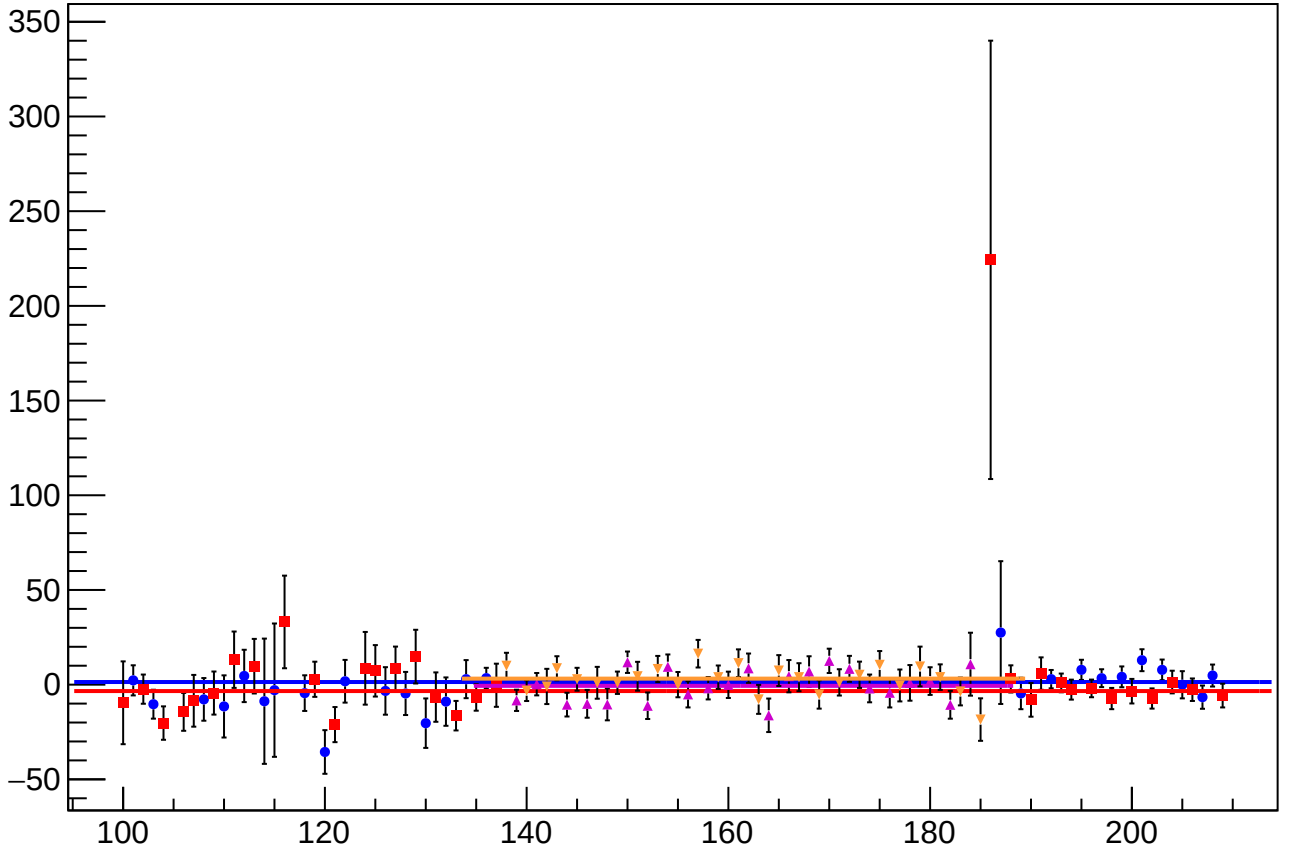
Right: 15757.259+/-2.063 χ^2/NDF: 7435190.6/58

In: 9859.488+/-1.278 χ^2/NDF:8361922.7/49

Out: 9820.791+/-1.240 χ^2/NDF:10063137.5/56

All: 9839.553+/-0.890 χ^2/NDF: 18425532.3/1

diff_bpm4ecY_mean vs Slug, Sign Corrected



Right In: 1.391+/-1.477 χ^2/NDF: 28.9/26

Left Out: 3.185+/-1.435 χ^2/NDF:18.7/24

Right Out: -3.385+/-1.413 χ^2/NDF: 29.1/31

Left In: -0.633+/-1.482 χ^2/NDF:31.8/22

Left: 1.337+/-1.031 χ^2/NDF: 53.9/47

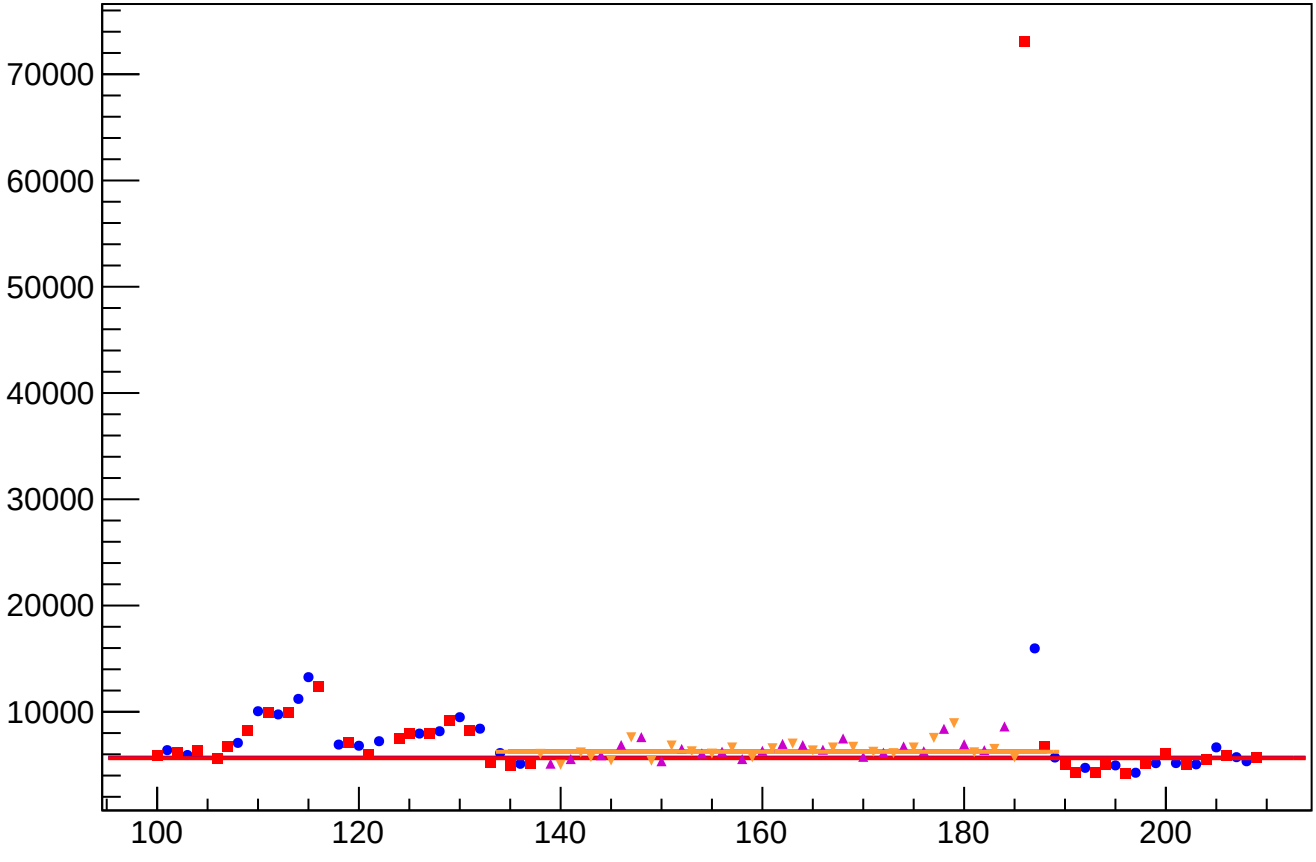
Right: -1.103+/-1.021 χ^2/NDF: 63.5/58

In: 0.382+/-1.046 χ^2/NDF:61.7/49

Out: -0.151+/-1.007 χ^2/NDF:58.4/56

All: 0.105+/-0.725 χ^2/NDF: 120.3/106

diff_bpm4ecY_rms vs Slug, Sign Corrected



Right In: 5685.482+/-1.044 χ^2/NDF: 1600673.7/26

Left Out: 6237.931+/-1.015 χ^2/NDF:507726.8/24

Right Out: 5633.440+/-0.999 χ^2/NDF: 2279716.5/31

Left In: 6268.263+/-1.048 χ^2/NDF:524326.6/22

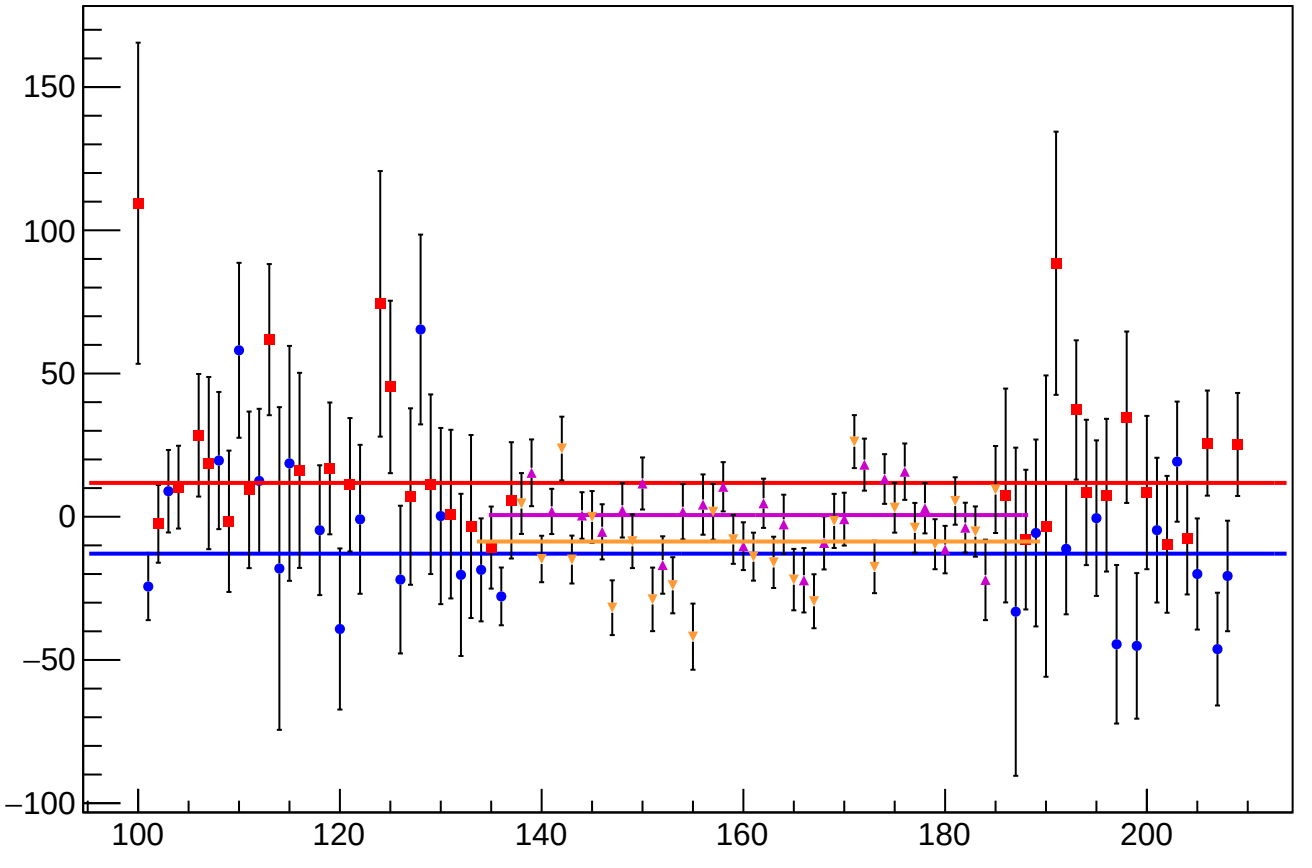
Left: 6252.609+/-0.729 χ^2/NDF: 1032485.9/47

Right: 5658.307+/-0.722 χ^2/NDF: 3881687.1/58

In: 5975.898+/-0.740 χ^2/NDF:2280209.6/49

Out: 5930.992+/-0.712 χ^2/NDF:2967701.1/56

All: 5952.584+/-0.513 χ^2/NDF: 5249824.5/10



Right In: -12.890+/-4.122 χ^2/NDF: 30.5/26

Left Out: -8.650+/-1.875 χ^2/NDF:63.0/24

Right Out: 11.809+/-4.199 χ^2/NDF: 23.0/31

Left In: 0.583+/-1.939 χ^2/NDF:28.5/22

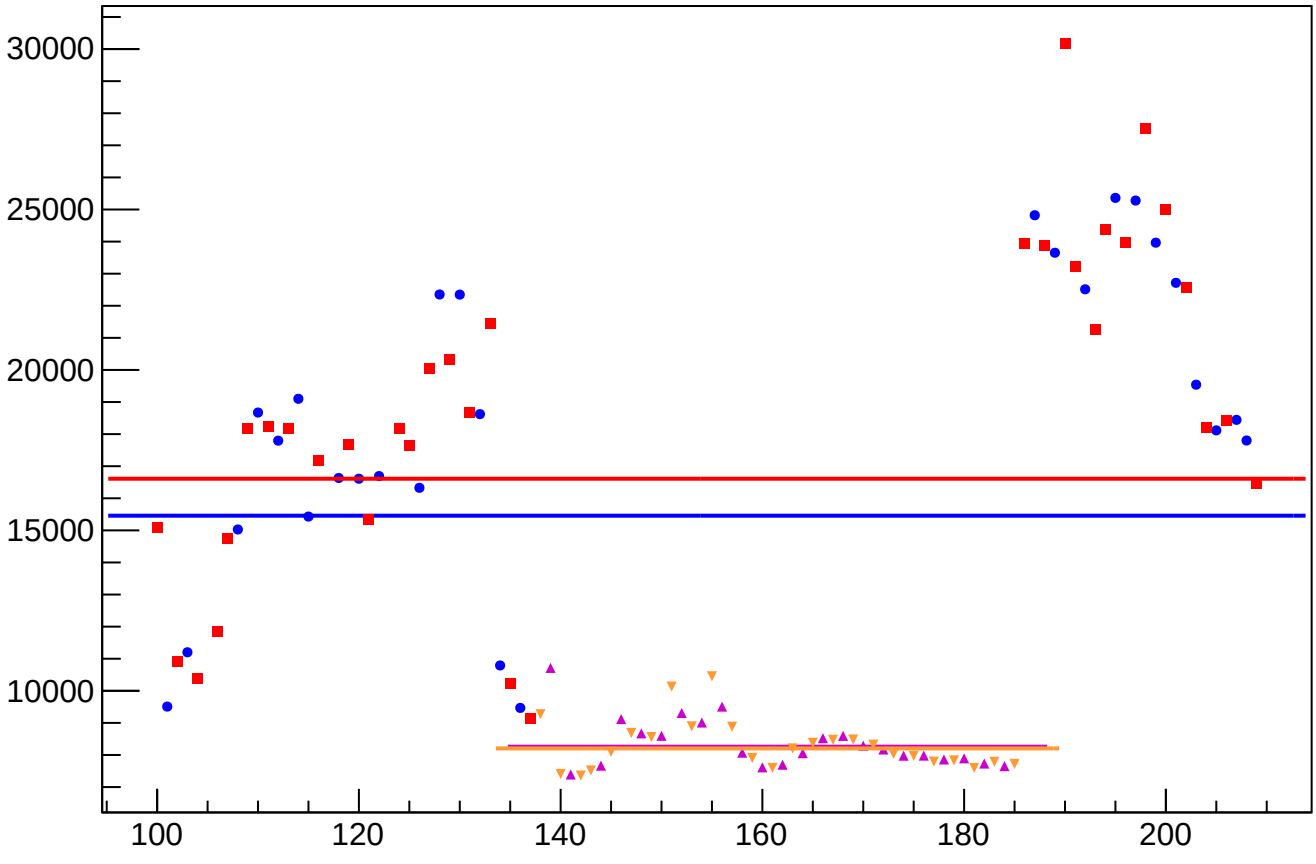
Left: -4.188+/-1.348 χ^2/NDF: 103.3/47

Right: -0.769+/-2.941 χ^2/NDF: 71.1/58

In: -1.858+/-1.754 χ^2/NDF:67.7/49

Out: -5.249+/-1.712 χ^2/NDF:105.8/56

All: -3.595+/-1.225 χ^2/NDF: 175.5/106



Right In: 15457.796+/-2.915 χ^2/NDF: 3271210.6/26

Left Out: 8204.502+/-1.326 χ^2/NDF:272958.7/24

Right Out: 16609.893+/-2.969 χ^2/NDF: 3109354.9/31

Left In: 8259.162+/-1.371 χ^2/NDF:257333.8/22

Left: 8230.919+/-0.953 χ^2/NDF: 531113.9/47

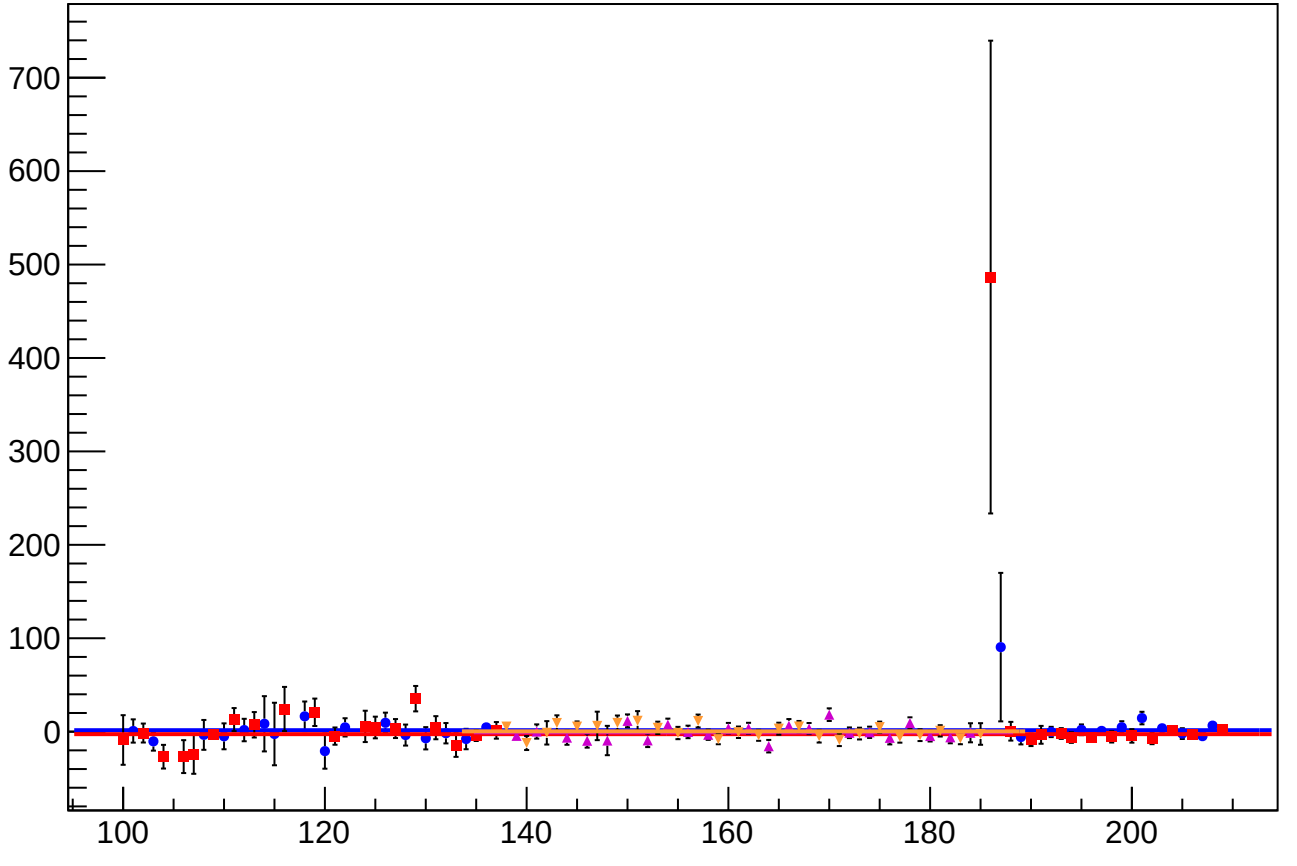
Right: 16023.190+/-2.080 χ^2/NDF: 6457242.7/58

In: 9563.287+/-1.241 χ^2/NDF:8523417.7/49

Out: 9602.012+/-1.211 χ^2/NDF:10064279.9/56

All: 9583.122+/-0.866 χ^2/NDF: 18588196.7/1

diff_bpm1Y_mean vs Slug, Sign Corrected



Right In: 1.572+/-1.481 χ^2/NDF: 16.2/26

Left Out: 0.353+/-1.322 χ^2/NDF:21.5/24

Right Out: -2.660+/-1.394 χ^2/NDF: 30.7/31

Left In: -0.709+/-1.291 χ^2/NDF:29.9/22

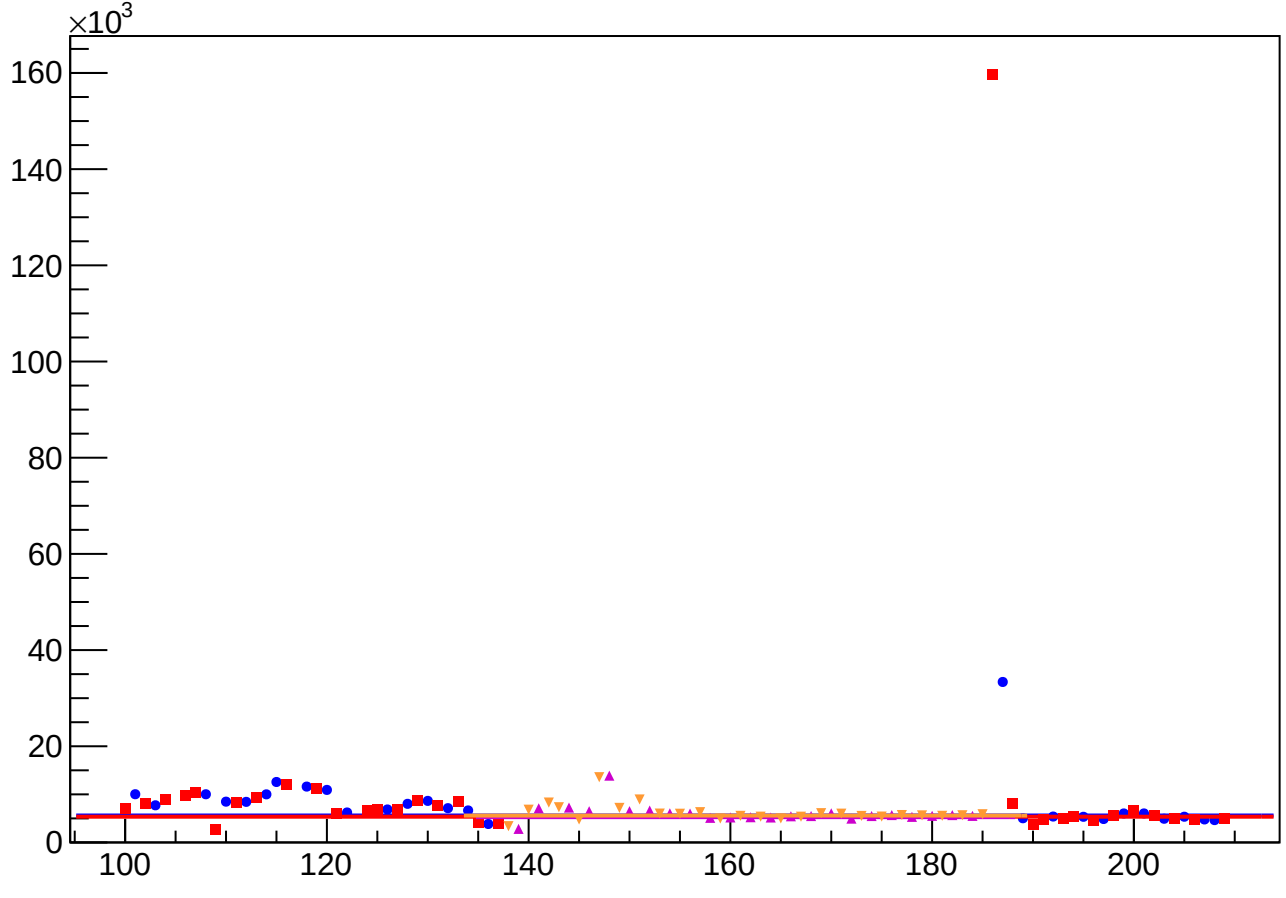
Left: -0.191+/-0.924 χ^2/NDF: 51.7/47

Right: -0.673+/-1.015 χ^2/NDF: 51.2/58

In: 0.276+/-0.973 χ^2/NDF:47.5/49

Out: -1.074+/-0.959 χ^2/NDF:54.6/56

All: -0.409+/-0.683 χ^2/NDF: 103.0/106



Right In: 5604.647+/-1.047 χ^2/NDF: 2434973.2/26

Left Out: 5594.503+/-0.935 χ^2/NDF:1784259.1/24

Right Out: 5356.214+/-0.986 χ^2/NDF: 3794878.9/31

Left In: 5262.754+/-0.913 χ^2/NDF:2425604.2/22

Left: 5424.765+/-0.653 χ^2/NDF: 4274340.6/47

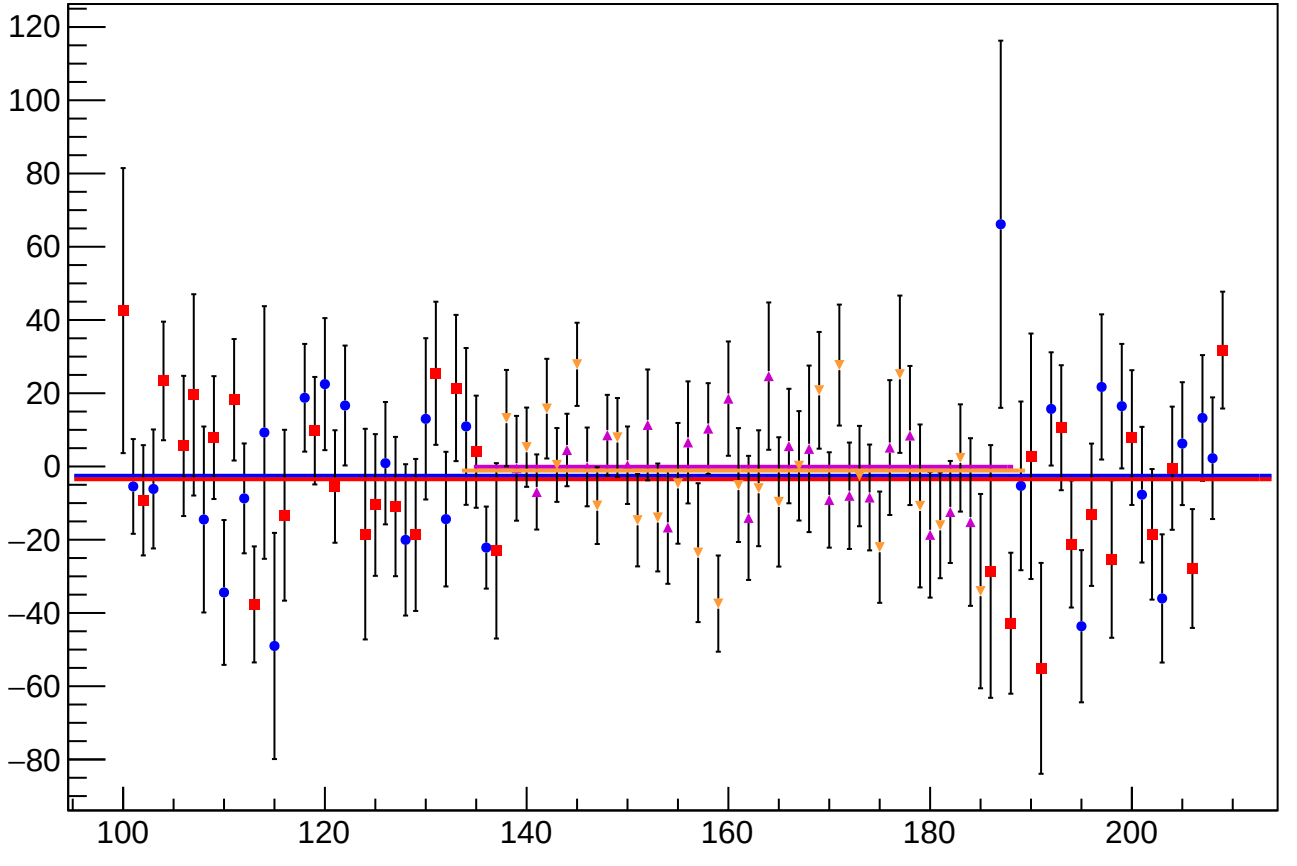
Right: 5472.882+/-0.718 χ^2/NDF: 6259689.2/58

In: 5410.366+/-0.688 χ^2/NDF:4921120.8/49

Out: 5481.693+/-0.678 χ^2/NDF:5609918.1/56

All: 5446.557+/-0.483 χ^2/NDF: 10536488.4/1

diff_bpm11X_mean vs Slug, Sign Corrected



Right In: -2.541+/-3.445 χ^2/NDF: 30.9/26

Left Out: -1.111+/-2.813 χ^2/NDF:33.8/24

Right Out: -3.484+/-3.343 χ^2/NDF: 38.0/31

Left In: -0.084+/-2.926 χ^2/NDF:11.5/22

Left: -0.618+/-2.028 χ^2/NDF: 45.3/47

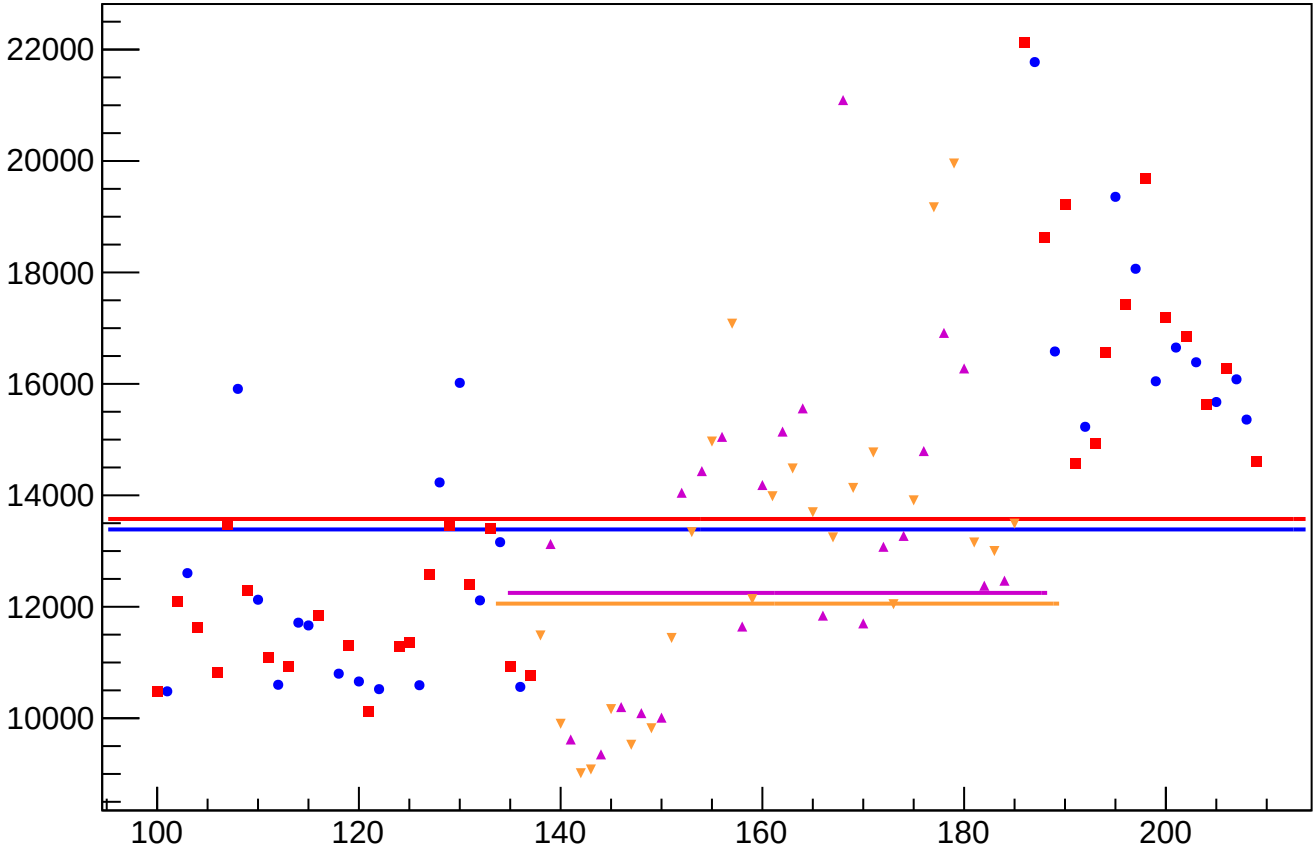
Right: -3.027+/-2.399 χ^2/NDF: 68.9/58

In: -1.114+/-2.230 χ^2/NDF:42.6/49

Out: -2.095+/-2.152 χ^2/NDF:72.1/56

All: -1.622+/-1.549 χ^2/NDF: 114.8/106

diff_bpm11X_rms vs Slug, Sign Corrected



Right In: 13387.827+/-2.436 χ^2/NDF: 1290955.0/26

Left Out: 12056.714+/-1.989 χ^2/NDF:1561738.9/24

Right Out: 13575.619+/-2.364 χ^2/NDF: 1385254.3/31

Left In: 12249.109+/-2.069 χ^2/NDF:1416030.4/22

Left: 12149.117+/-1.434 χ^2/NDF: 2982262.4/47

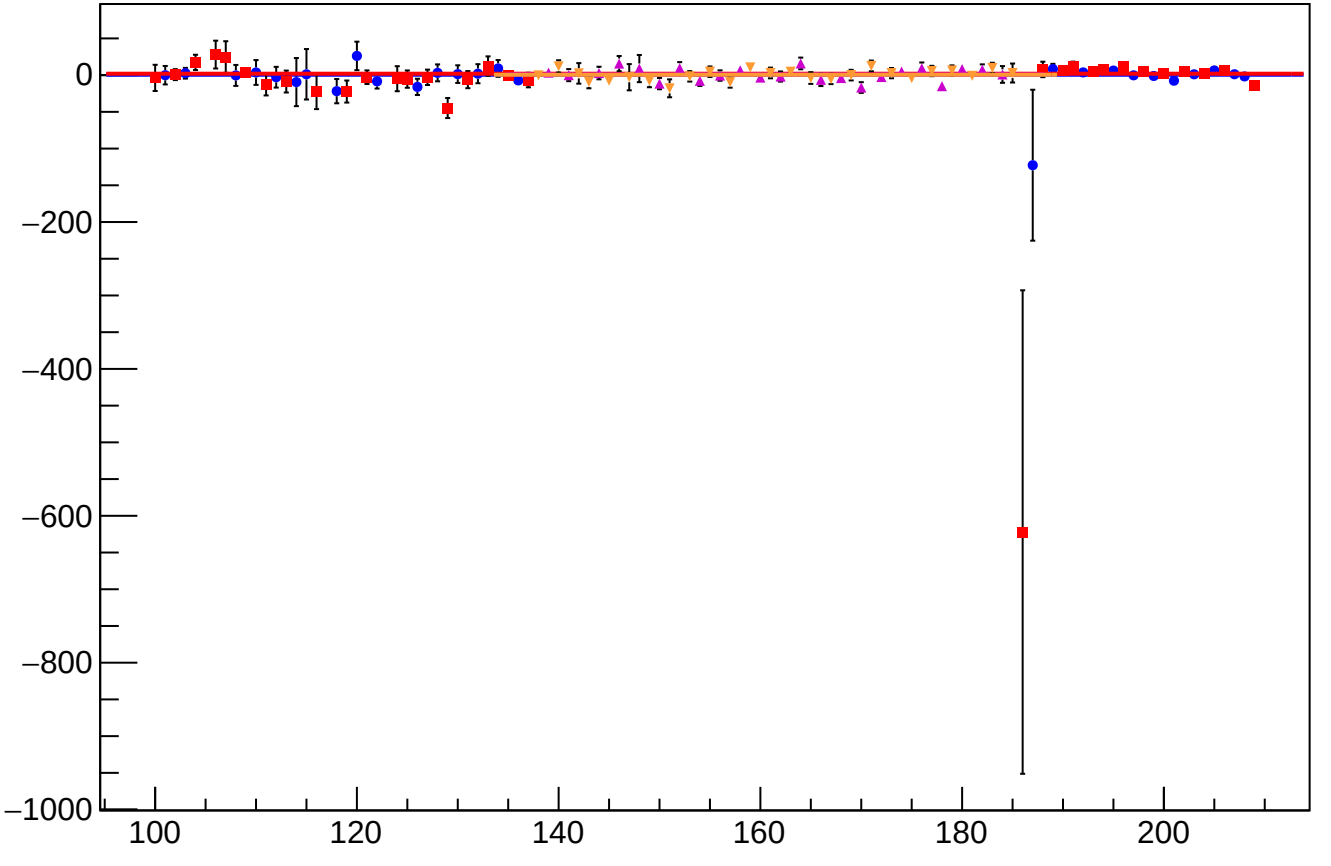
Right: 13484.552+/-1.696 χ^2/NDF: 2679270.4/58

In: 12726.389+/-1.577 χ^2/NDF:2833919.0/49

Out: 12686.460+/-1.522 χ^2/NDF:3188741.9/56

All: 12705.715+/-1.095 χ^2/NDF: 6022992.8/1

diff_bpm11Y_mean vs Slug, Sign Corrected



Right In: 0.547+/-1.278 χ^2/NDF: 20.1/26

Left Out: 0.526+/-1.369 χ^2/NDF:21.4/24

Right Out: 1.936+/-1.213 χ^2/NDF: 58.6/31

Left In: 0.946+/-1.294 χ^2/NDF:32.2/22

Left: 0.748+/-0.940 χ^2/NDF: 53.7/47

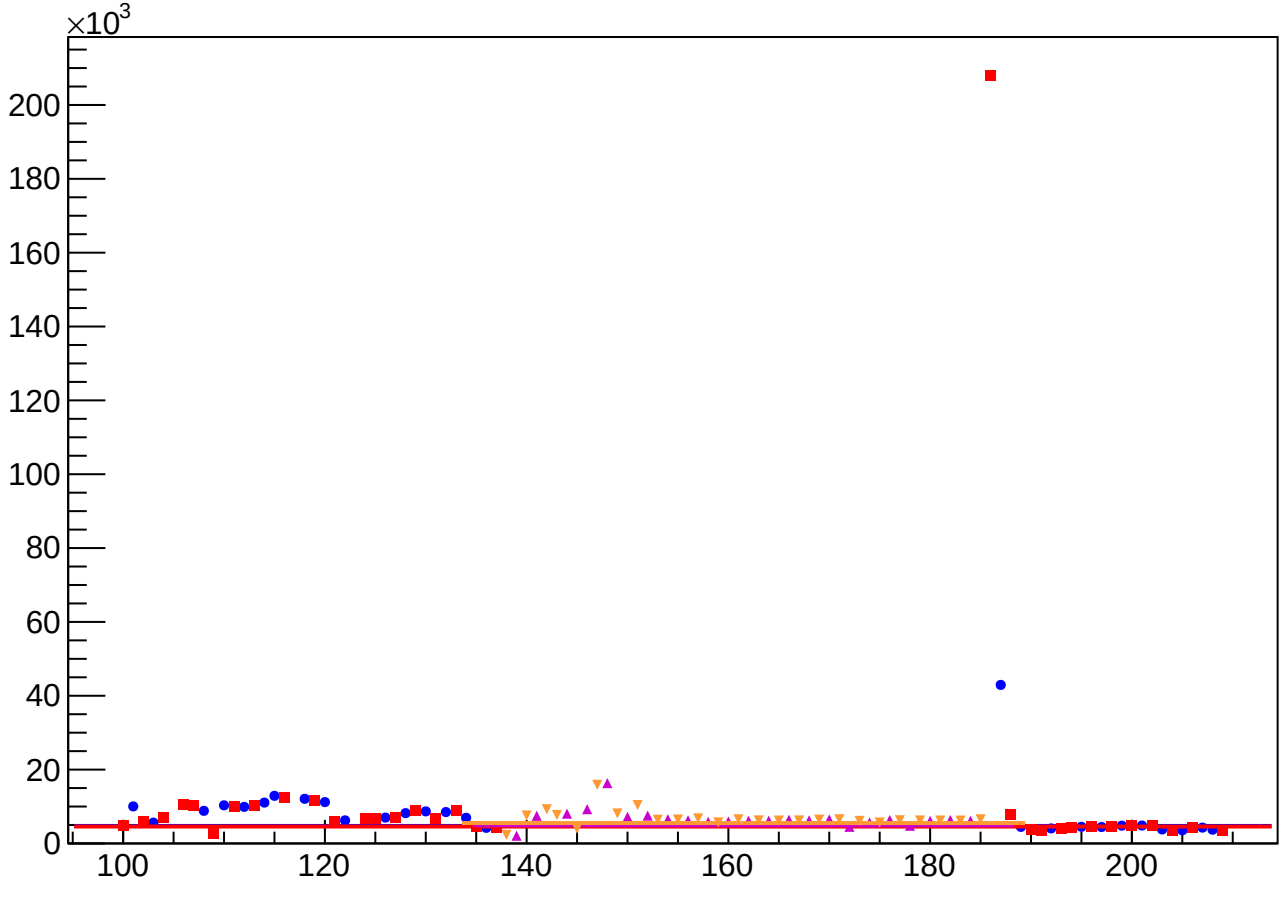
Right: 1.278+/-0.880 χ^2/NDF: 79.3/58

In: 0.744+/-0.909 χ^2/NDF:52.3/49

Out: 1.315+/-0.908 χ^2/NDF:80.6/56

All: 1.030+/-0.642 χ^2/NDF: 133.1/106

diff_bpm11Y_rms vs Slug, Sign Corrected



Right In: 4738.757+/-0.903 χ^2/NDF: 3423468.2/26

Left Out: 5527.971+/-0.968 χ^2/NDF:4375722.1/24

Right Out: 4587.505+/-0.858 χ^2/NDF: 4179430.7/31

Left In: 4941.993+/-0.915 χ^2/NDF:5936108.3/22

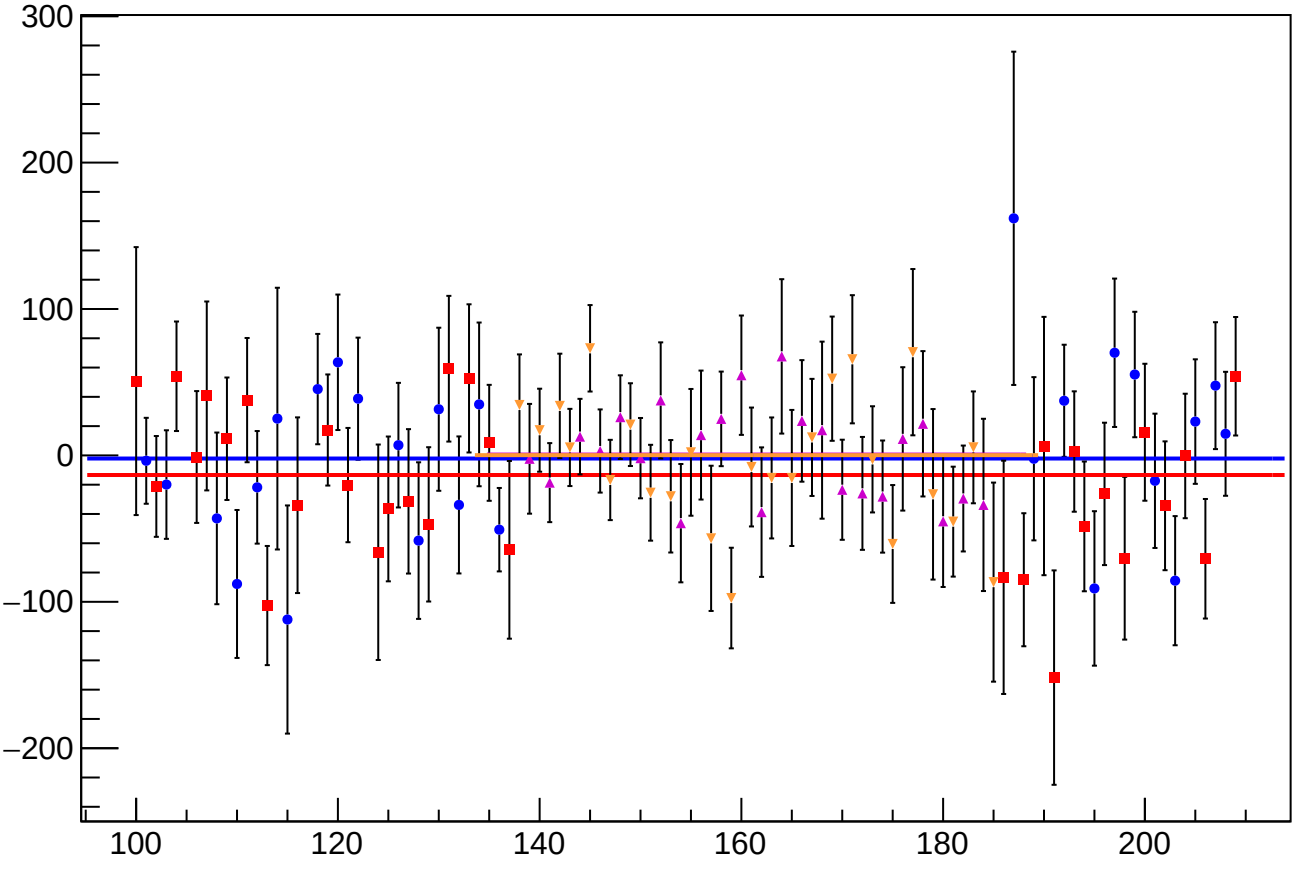
Left: 5218.619+/-0.665 χ^2/NDF: 10505353.1/47

Right: 4659.196+/-0.622 χ^2/NDF: 7617640.7/58

In: 4839.066+/-0.643 χ^2/NDF:9384550.5/49

Out: 5001.176+/-0.642 χ^2/NDF:9084064.0/56

All: 4920.258+/-0.454 χ^2/NDF: 18500452.4/



Right In: -2.128+/-8.599 χ^2/NDF: 31.1/26

Left Out: 0.168+/-7.375 χ^2/NDF:31.1/24

Right Out: -13.387+/-8.339 χ^2/NDF: 32.3/31

Left In: 0.586+/-7.667 χ^2/NDF:12.8/22

Left: 0.369+/-5.315 χ^2/NDF: 43.9/47

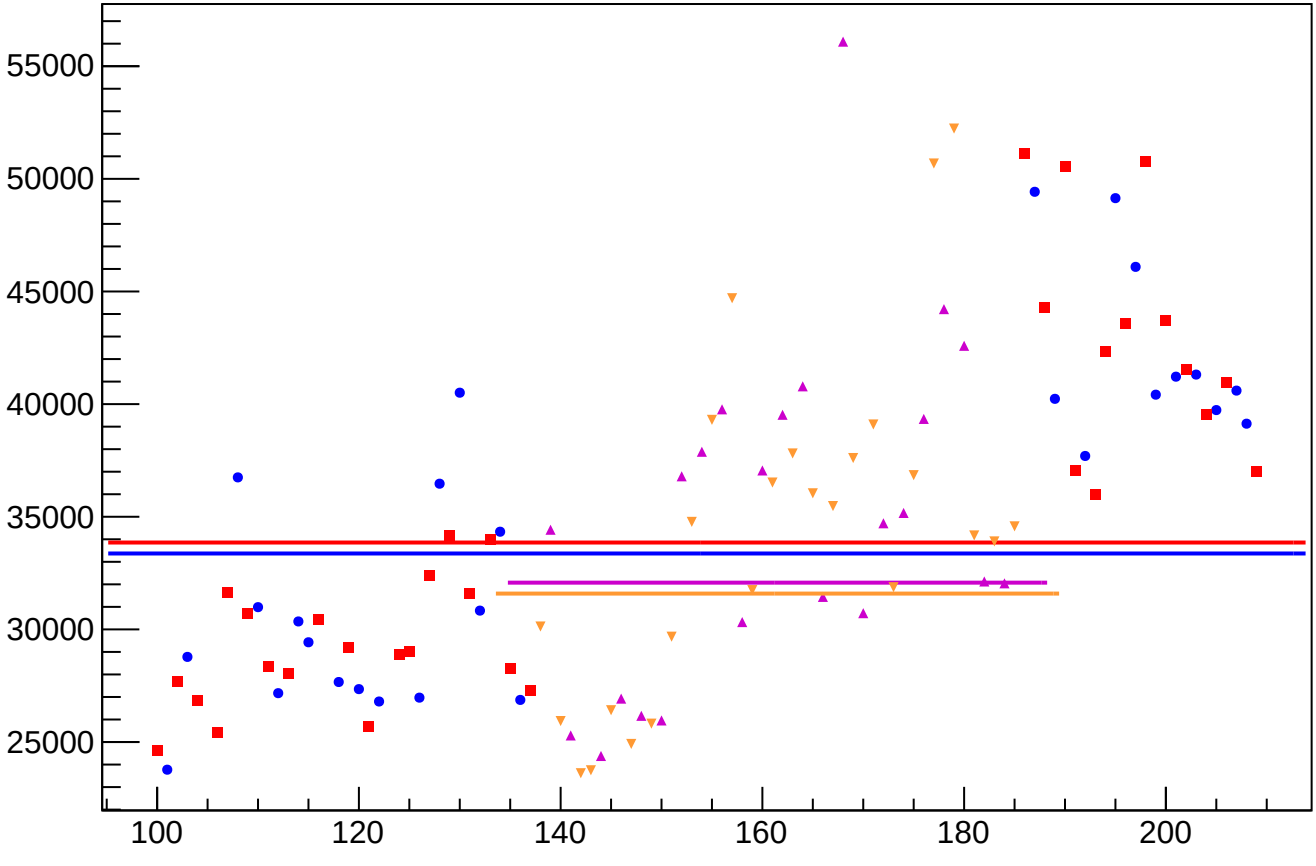
Right: -7.930+/-5.986 χ^2/NDF: 64.3/58

In: -0.616+/-5.723 χ^2/NDF:44.0/49

Out: -5.781+/-5.524 χ^2/NDF:64.9/56

All: -3.290+/-3.975 χ^2/NDF: 109.3/106

diff_bpm12X_rms vs Slug, Sign Corrected



Right In: 33369.688+/-6.080 χ^2/NDF: 1355393.8/26

Left Out: 31589.841+/-5.215 χ^2/NDF:1590867.7/24

Right Out: 33856.292+/-5.896 χ^2/NDF: 1410006.2/31

Left In: 32075.078+/-5.421 χ^2/NDF:1455714.6/22

Left: 31823.038+/-3.758 χ^2/NDF: 3050743.5/47

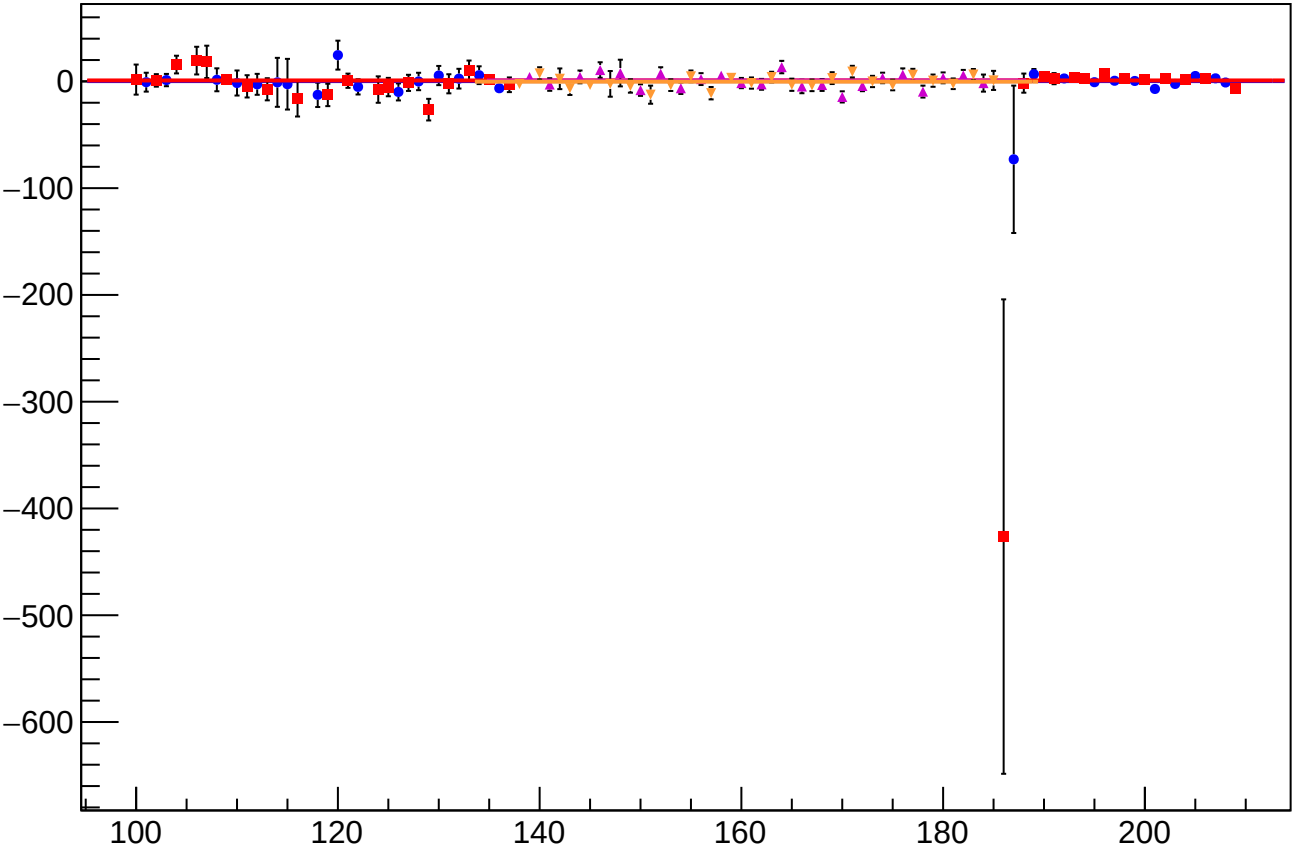
Right: 33620.468+/-4.233 χ^2/NDF: 2768700.6/58

In: 32648.439+/-4.047 χ^2/NDF:2836363.7/49

Out: 32584.556+/-3.906 χ^2/NDF:3083777.9/56

All: 32615.371+/-2.810 χ^2/NDF: 5920270.7/1

diff_bpm12Y_mean vs Slug, Sign Corrected



Right In: 0.281+/-0.776 χ^2/NDF: 28.5/26

Left Out: -0.226+/-1.094 χ^2/NDF:19.9/24

Right Out: 0.874+/-0.775 χ^2/NDF: 47.3/31

Left In: 0.788+/-1.061 χ^2/NDF:33.8/22

Left: 0.297+/-0.761 χ^2/NDF: 54.1/47

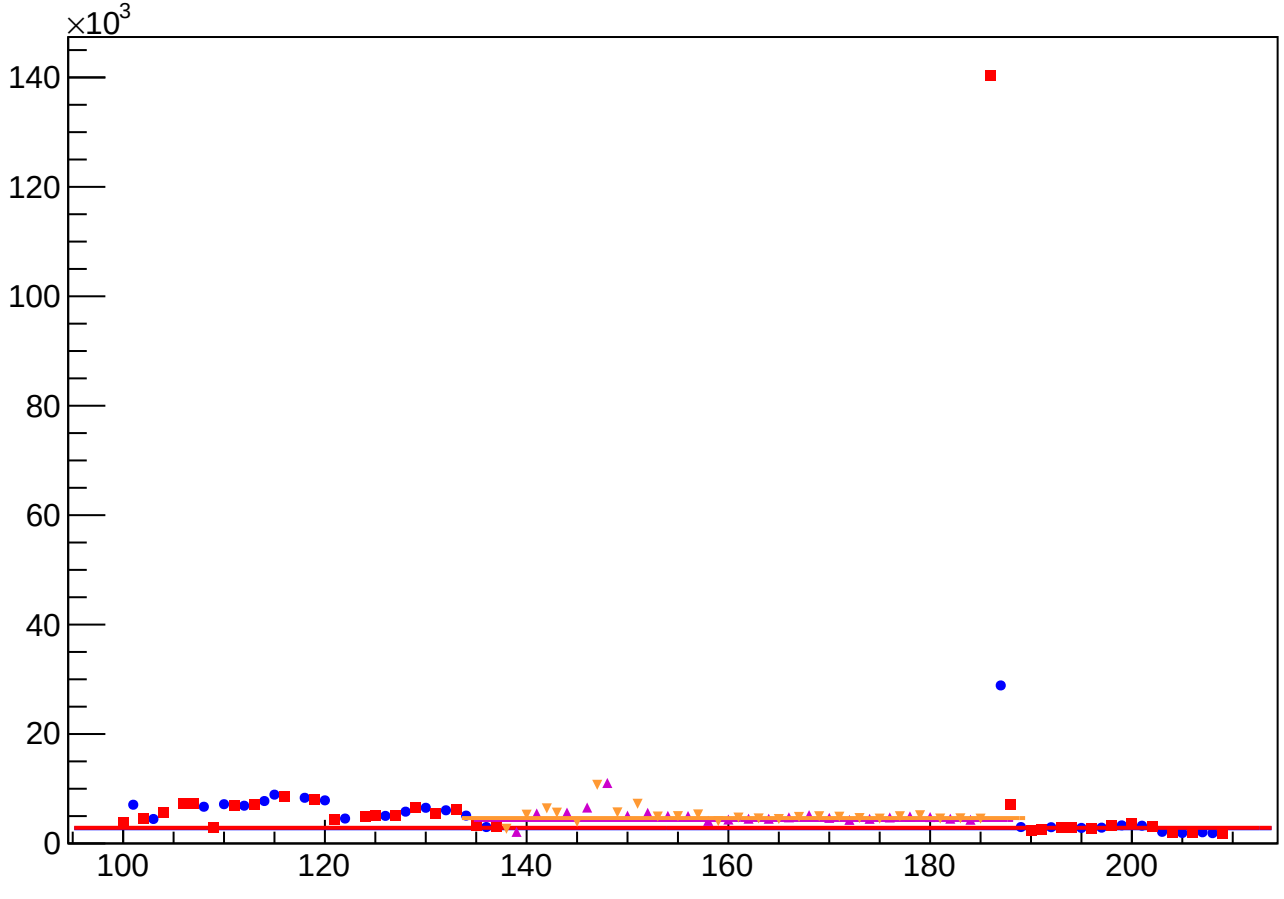
Right: 0.578+/-0.548 χ^2/NDF: 76.1/58

In: 0.458+/-0.626 χ^2/NDF:62.4/49

Out: 0.506+/-0.633 χ^2/NDF:67.8/56

All: 0.482+/-0.445 χ^2/NDF: 130.3/106

diff_bpm12Y_rms vs Slug, Sign Corrected



Right In: 2775.046+/-0.549 χ^2/NDF: 5366299.0/26

Left Out: 4637.399+/-0.774 χ^2/NDF:1763103.2/24

Right Out: 2860.815+/-0.548 χ^2/NDF: 5956044.7/31

Left In: 4295.074+/-0.750 χ^2/NDF:3095610.0/22

Left: 4460.947+/-0.538 χ^2/NDF: 4959666.2/47

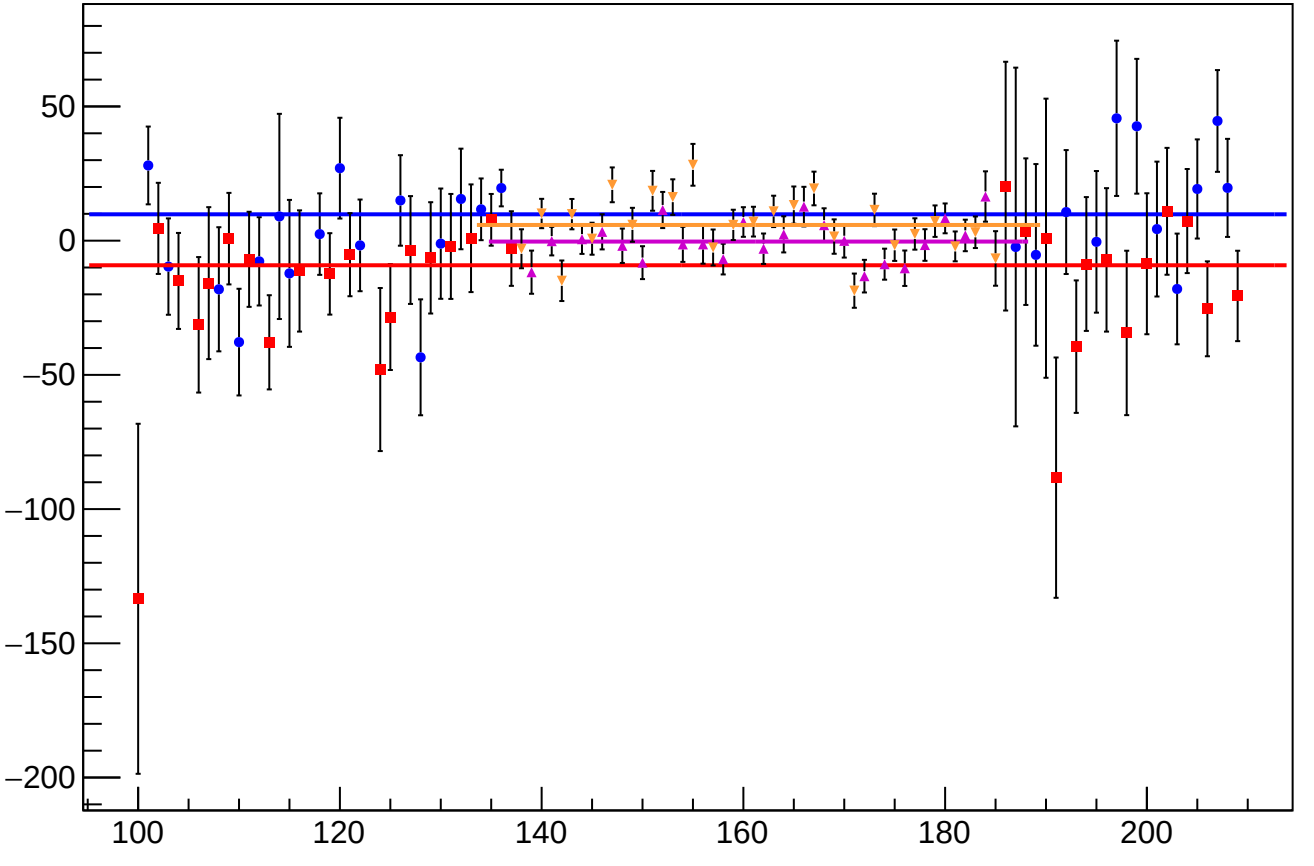
Right: 2817.964+/-0.388 χ^2/NDF: 11334575.1/58

In: 3304.870+/-0.443 χ^2/NDF:11137881.4/49

Out: 3454.742+/-0.447 χ^2/NDF:11230689.8/56

All: 3379.054+/-0.315 χ^2/NDF: 22425280.4/

diff_bpm16X_mean vs Slug, Sign Corrected



Right In: 9.822+/-3.364 χ^2/NDF: 31.3/26

Left Out: 5.849+/-1.257 χ^2/NDF:60.0/24

Right Out: -9.161+/-3.524 χ^2/NDF: 23.4/31

Left In: -0.337+/-1.301 χ^2/NDF:29.4/22

Left: 2.861+/-0.904 χ^2/NDF: 101.1/47

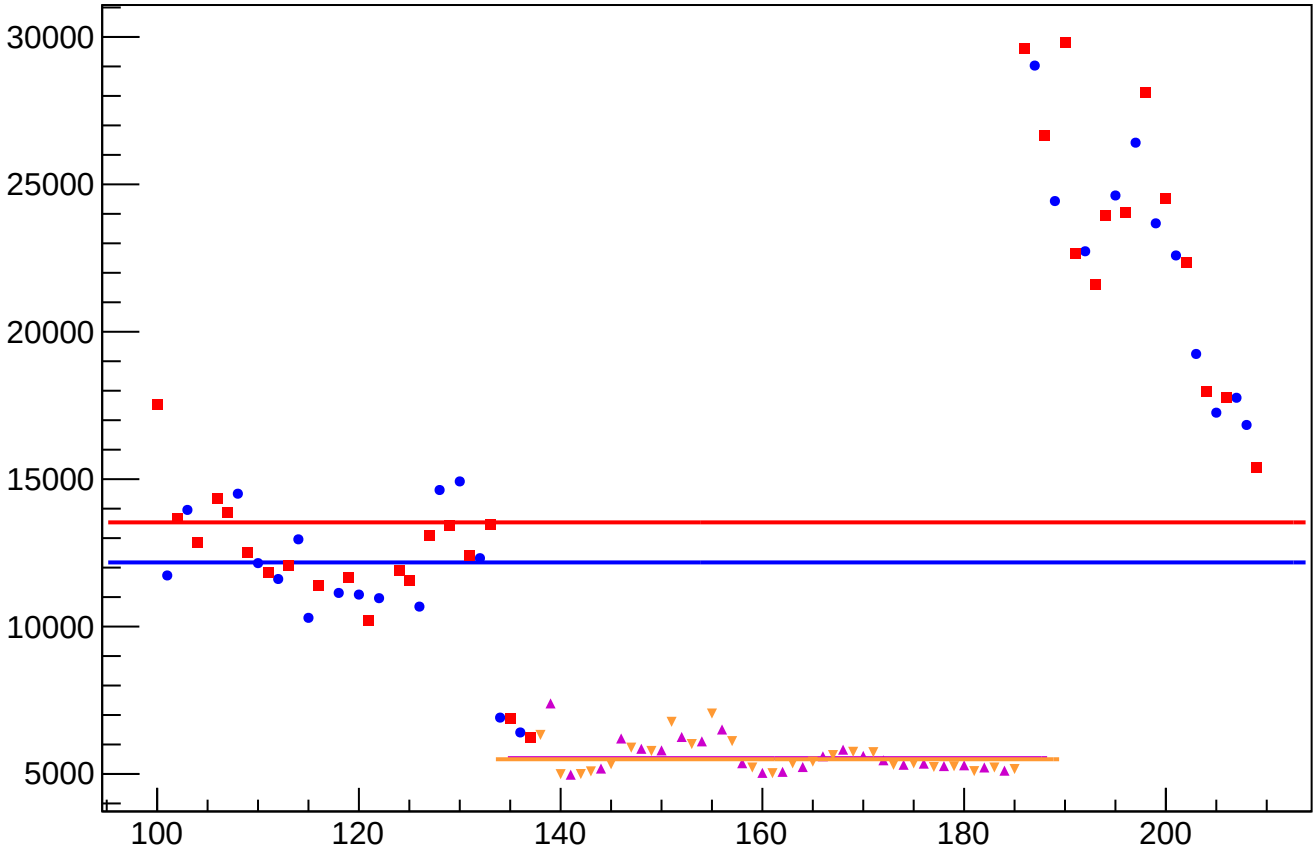
Right: 0.771+/-2.433 χ^2/NDF: 69.9/58

In: 0.985+/-1.213 χ^2/NDF:68.6/49

Out: 4.153+/-1.184 χ^2/NDF:99.6/56

All: 2.607+/-0.847 χ^2/NDF: 171.7/106

diff_bpm16X_rms vs Slug, Sign Corrected



Right In: 12175.753+/-2.379 χ^2/NDF: 5199278.5/26

Left Out: 5499.215+/-0.889 χ^2/NDF:297719.4/24

Right Out: 13534.209+/-2.492 χ^2/NDF: 4909009.1/31

Left In: 5537.777+/-0.920 χ^2/NDF:304062.1/22

Left: 5517.842+/-0.639 χ^2/NDF: 602690.2/47

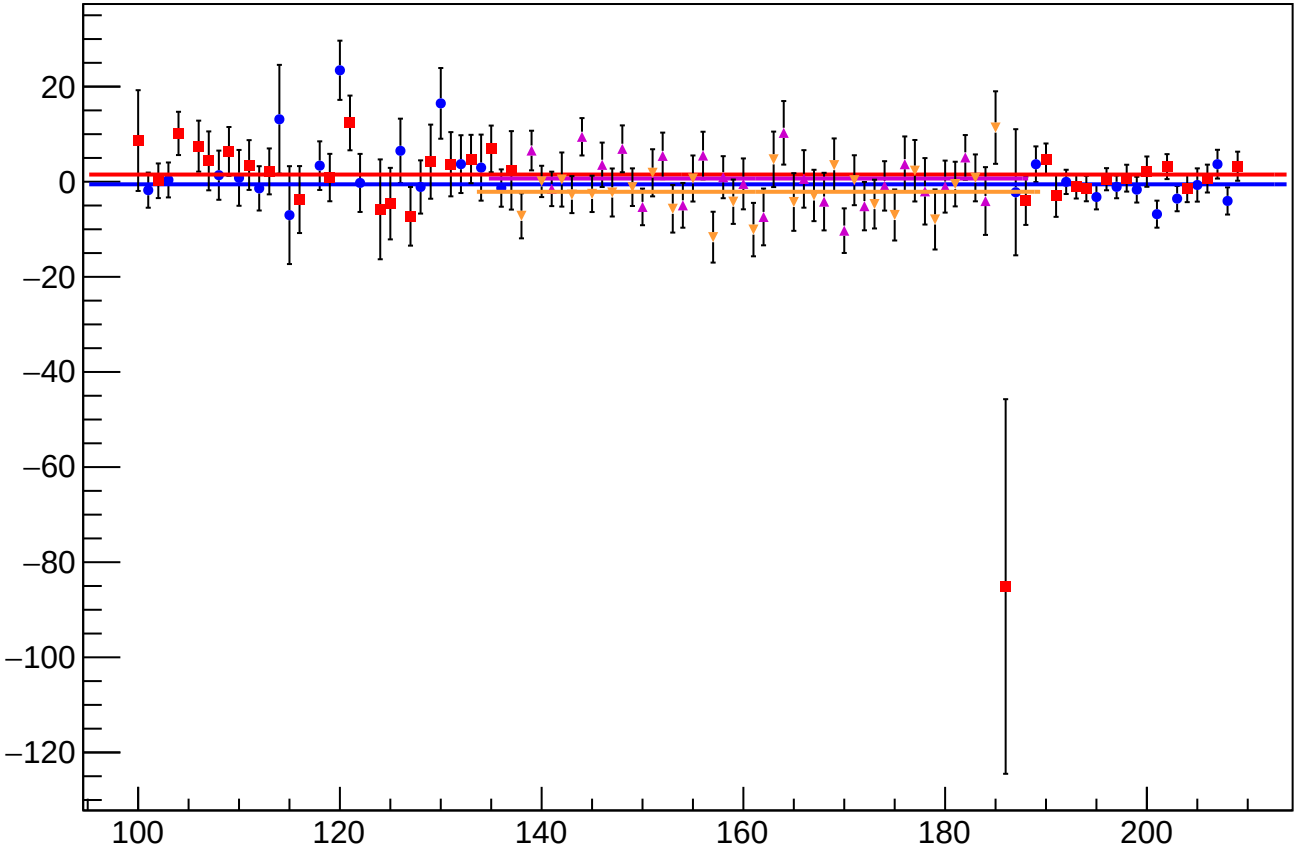
Right: 12823.443+/-1.721 χ^2/NDF: 10263802.8/58

In: 6401.260+/-0.858 χ^2/NDF:12278346.4/49

Out: 6406.735+/-0.837 χ^2/NDF:14430785.1/56

All: 6404.063+/-0.599 χ^2/NDF: 26709152.4/1

diff_bpm16Y_mean vs Slug, Sign Corrected



Right In: -0.544+/-0.741 χ^2/NDF: 37.0/26

Left Out: -2.116+/-0.987 χ^2/NDF:17.5/24

Right Out: 1.510+/-0.715 χ^2/NDF: 28.1/31

Left In: 0.670+/-1.031 χ^2/NDF:28.4/22

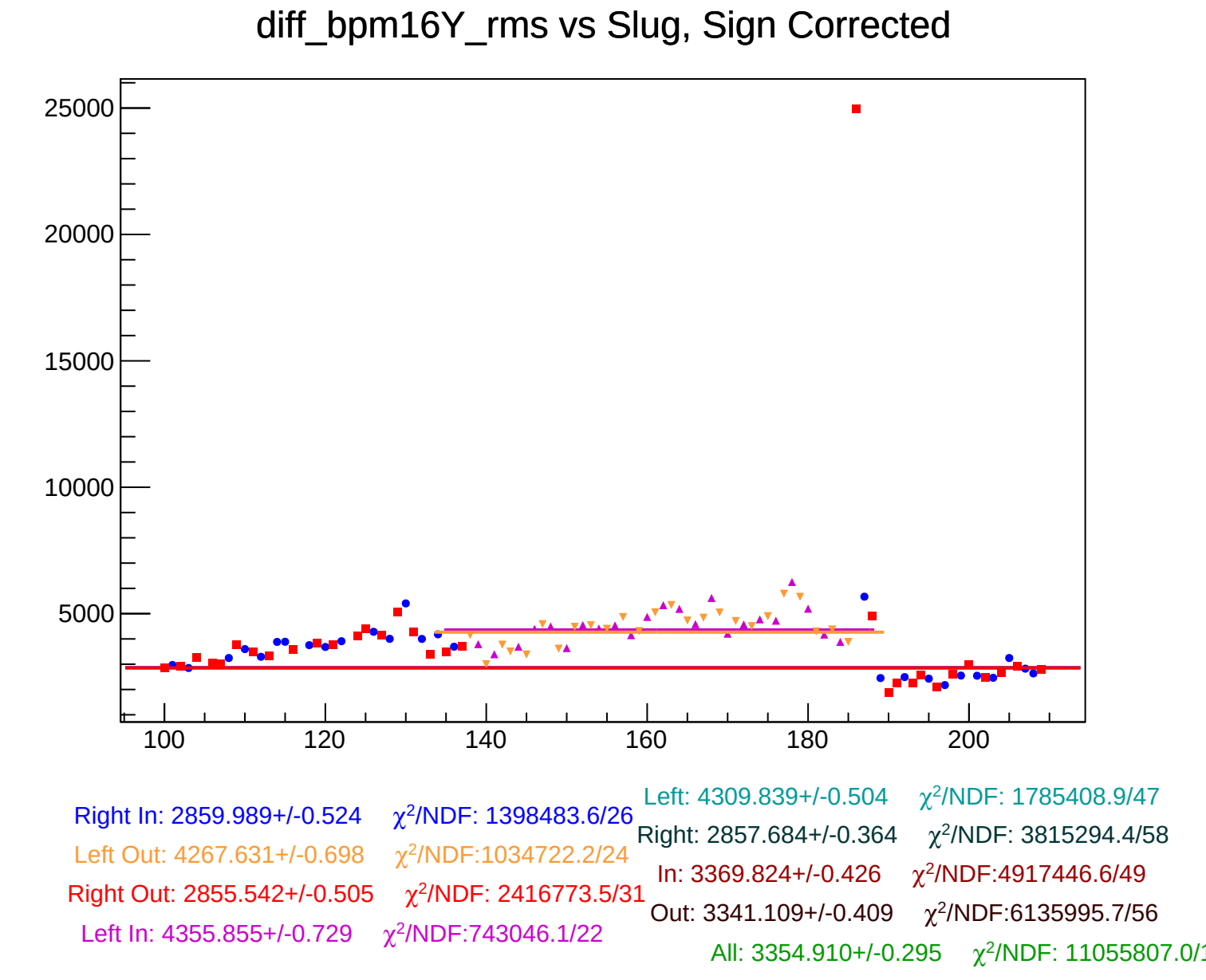
Left: -0.783+/-0.713 χ^2/NDF: 49.6/47

Right: 0.520+/-0.515 χ^2/NDF: 69.1/58

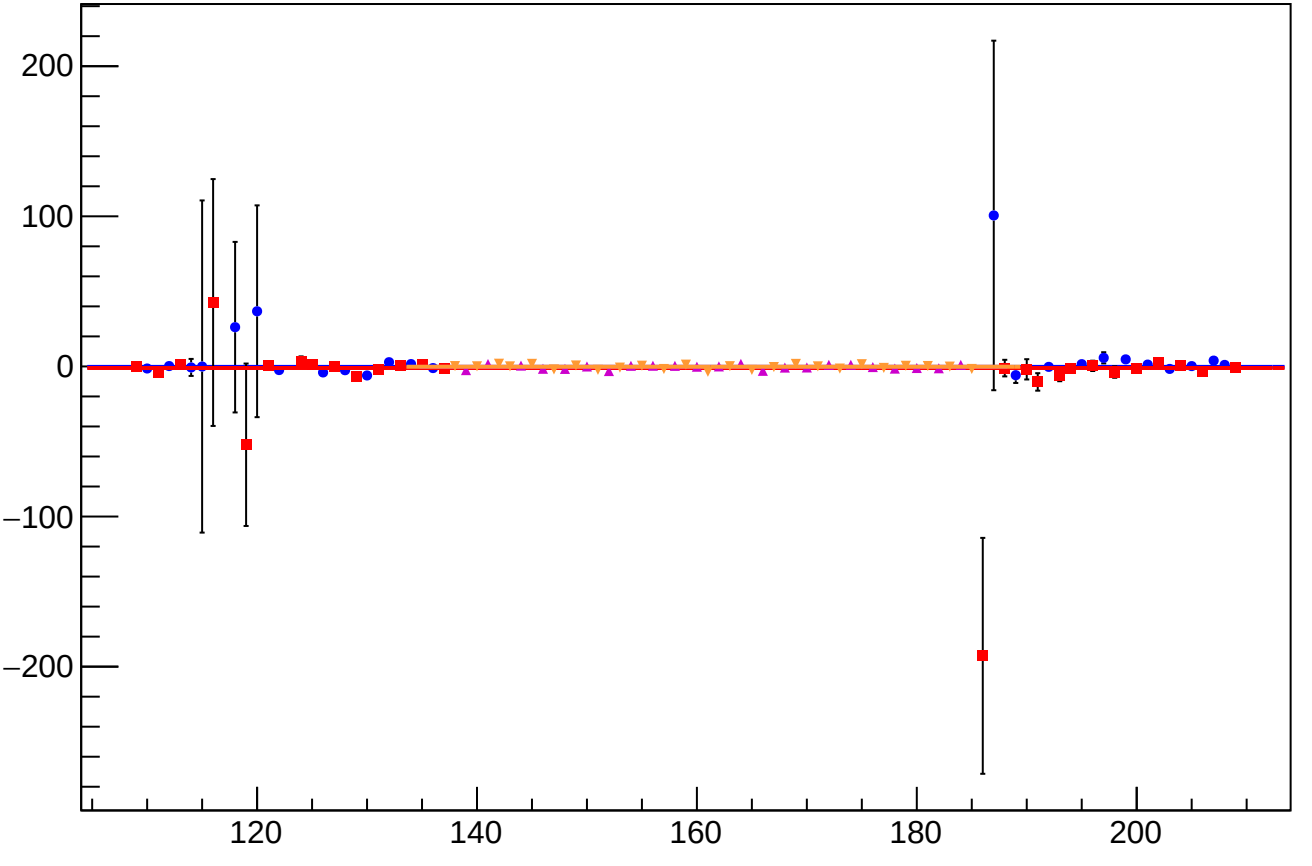
In: -0.130+/-0.602 χ^2/NDF:66.3/49

Out: 0.263+/-0.579 χ^2/NDF:54.4/56

All: 0.074+/-0.417 χ^2/NDF: 120.9/106


diff_bpm16Y_rms vs Slug, Sign Corrected
25000
20000
15000
10000
5000
100
120
140
160
180
200
Right In: 2859.989+/-0.524 χ²/NDF: 1398483.6/26
Left Out: 4267.631+/-0.698 χ²/NDF:1034722.2/24
Right Out: 2855.542+/-0.505 χ²/NDF: 2416773.5/31
Left In: 4355.855+/-0.729 χ²/NDF:743046.1/22
Left: 4309.839+/-0.504 χ²/NDF: 1785408.9/47
Right: 2857.684+/-0.364 χ²/NDF: 3815294.4/58
In: 3369.824+/-0.426 χ²/NDF:4917446.6/49
Out: 3341.109+/-0.409 χ²/NDF:6135995.7/56
All: 3354.910+/-0.295 χ²/NDF: 11055807.0/

diff_bpm1p02bX_mean vs Slug, Sign Corrected



Right In: -0.315+/-0.563 χ^2/NDF: 26.1/23

Left Out: -0.201+/-0.236 χ^2/NDF:33.9/24

Right Out: -1.039+/-0.556 χ^2/NDF: 27.6/26

Left In: -0.333+/-0.242 χ^2/NDF:29.4/22

Left: -0.265+/-0.169 χ^2/NDF: 63.5/47

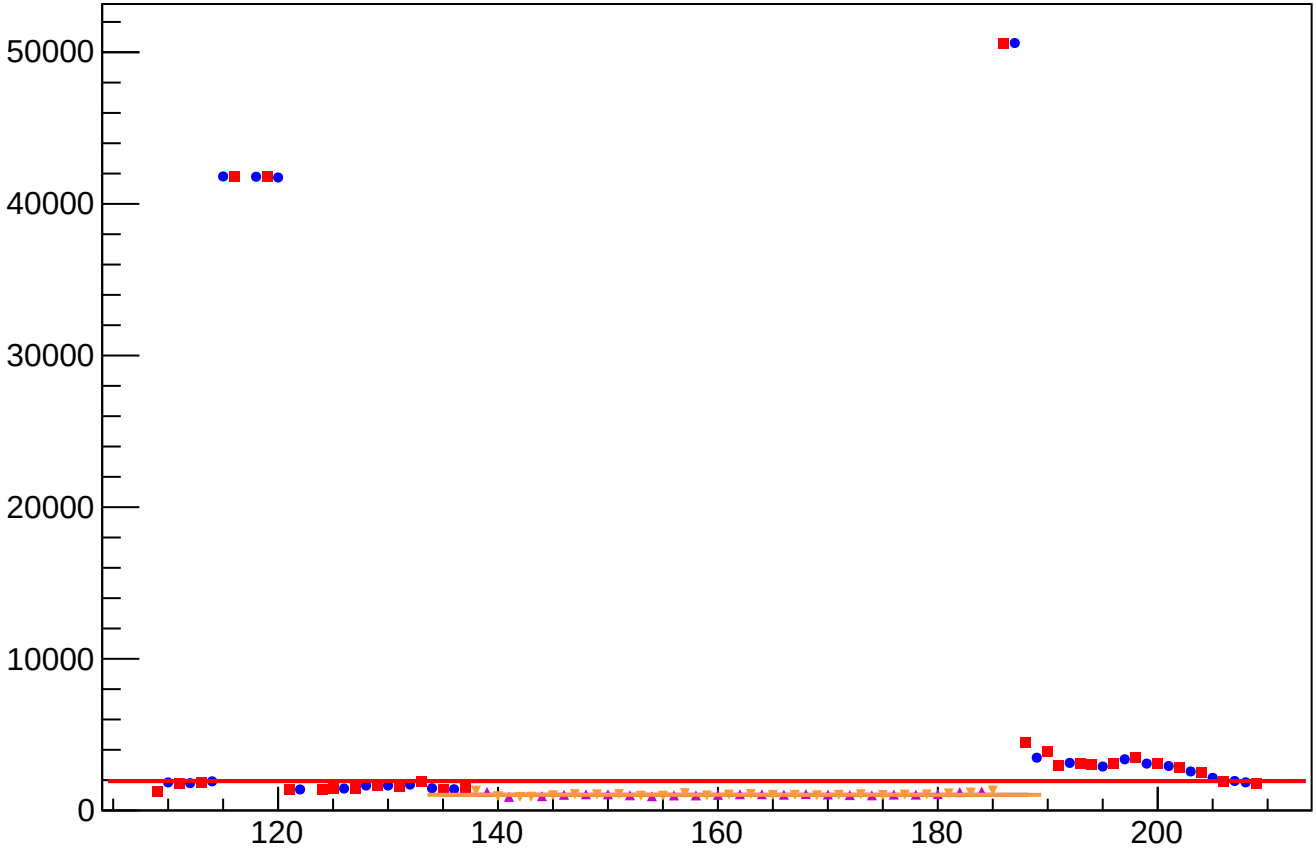
Right: -0.681+/-0.396 χ^2/NDF: 54.6/50

In: -0.330+/-0.222 χ^2/NDF:55.6/46

Out: -0.328+/-0.217 χ^2/NDF:63.4/51

All: -0.329+/-0.155 χ^2/NDF: 119.0/98

diff_bpm1p02bX_rms vs Slug, Sign Corrected



Right In: 1934.251+/-0.398 χ^2/NDF: 4389987.2/23

Left Out: 1031.473+/-0.167 χ^2/NDF:244095.3/24

Right Out: 1940.820+/-0.393 χ^2/NDF: 5359275.2/26

Left In: 1032.715+/-0.171 χ^2/NDF:187148.3/22

Left: 1032.077+/-0.119 χ^2/NDF: 431270.7/47

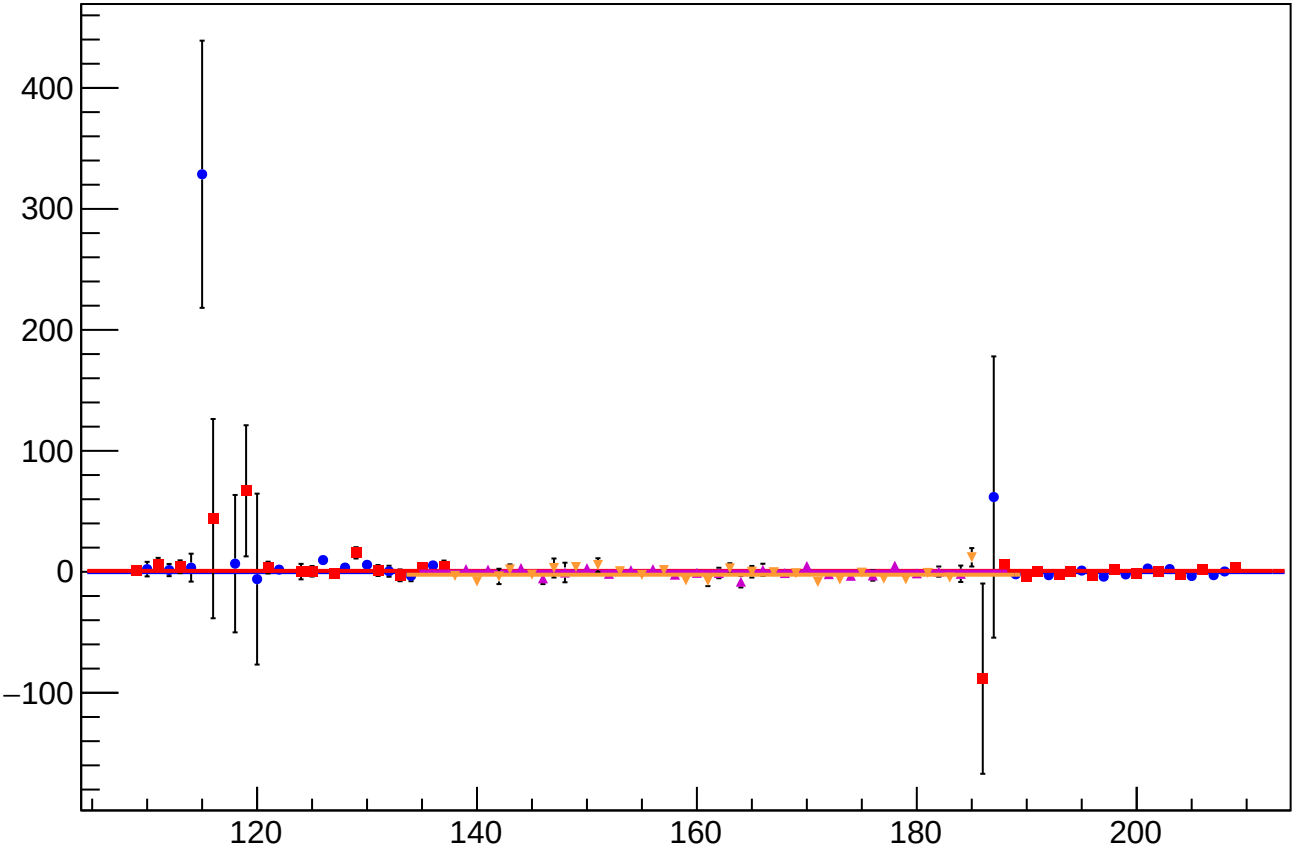
Right: 1937.573+/-0.280 χ^2/NDF: 9749400.3/50

In: 1173.602+/-0.157 χ^2/NDF:8909028.3/46

Out: 1169.666+/-0.153 χ^2/NDF:10135055.8/51

All: 1171.584+/-0.110 χ^2/NDF: 19044405.1/9

diff_bpm1p02bY_mean vs Slug, Sign Corrected



Right In: -0.266+/-0.517 χ^2/NDF: 44.1/23

Left Out: -2.380+/-0.782 χ^2/NDF:24.3/24

Right Out: 0.774+/-0.523 χ^2/NDF: 35.0/26

Left In: 0.171+/-0.810 χ^2/NDF:12.6/22

Left: -1.149+/-0.563 χ^2/NDF: 42.1/47

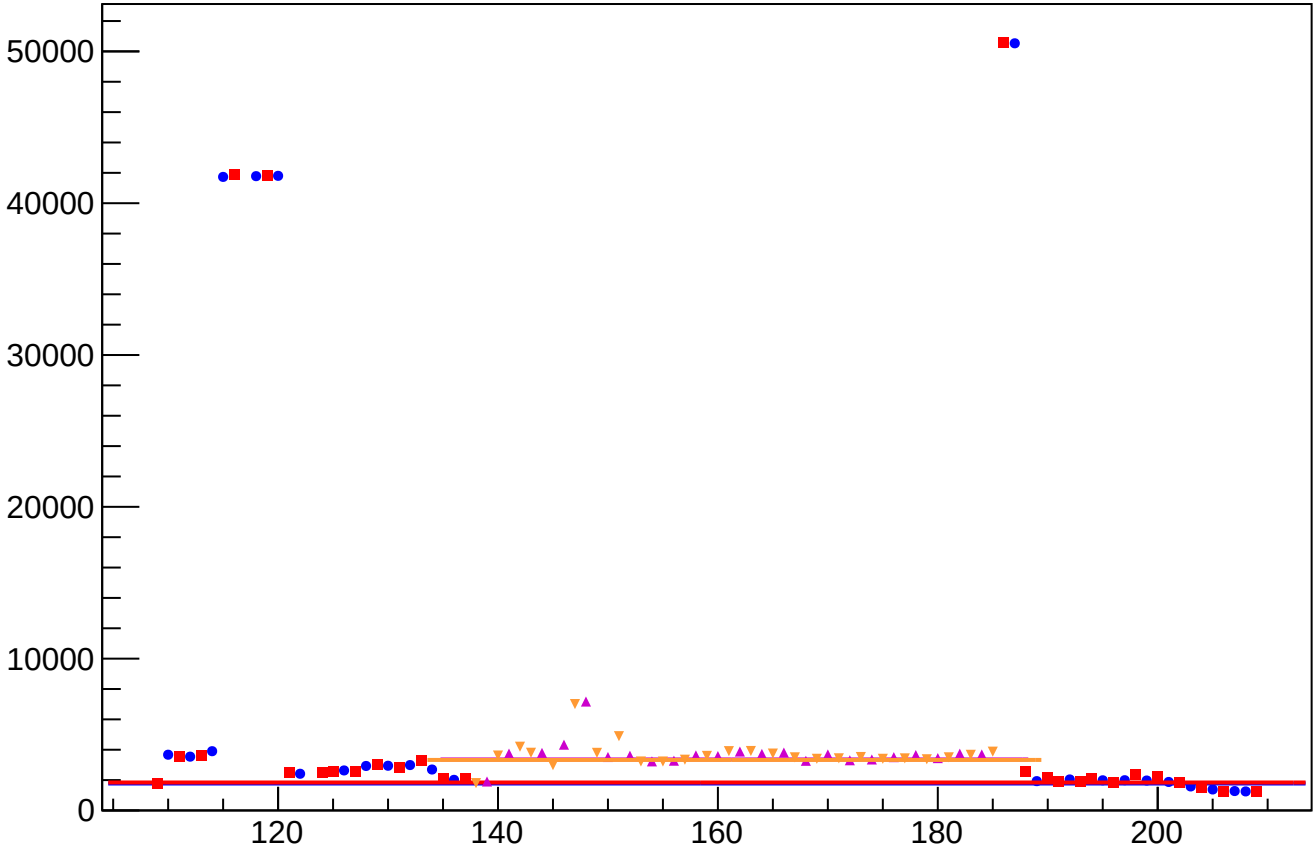
Right: 0.249+/-0.368 χ^2/NDF: 81.1/50

In: -0.139+/-0.436 χ^2/NDF:57.0/46

Out: -0.200+/-0.435 χ^2/NDF:70.6/51

All: -0.170+/-0.308 χ^2/NDF: 127.5/98

diff_bpm1p02bY_rms vs Slug, Sign Corrected



Right In: 1774.608+/-0.366 χ^2/NDF: 4312187.8/23

Left Out: 3328.251+/-0.553 χ^2/NDF:1915576.2/24

Right Out: 1842.528+/-0.370 χ^2/NDF: 4471041.7/26

Left In: 3360.799+/-0.572 χ^2/NDF:1649390.5/22

Left: 3343.963+/-0.398 χ^2/NDF: 3566638.9/47

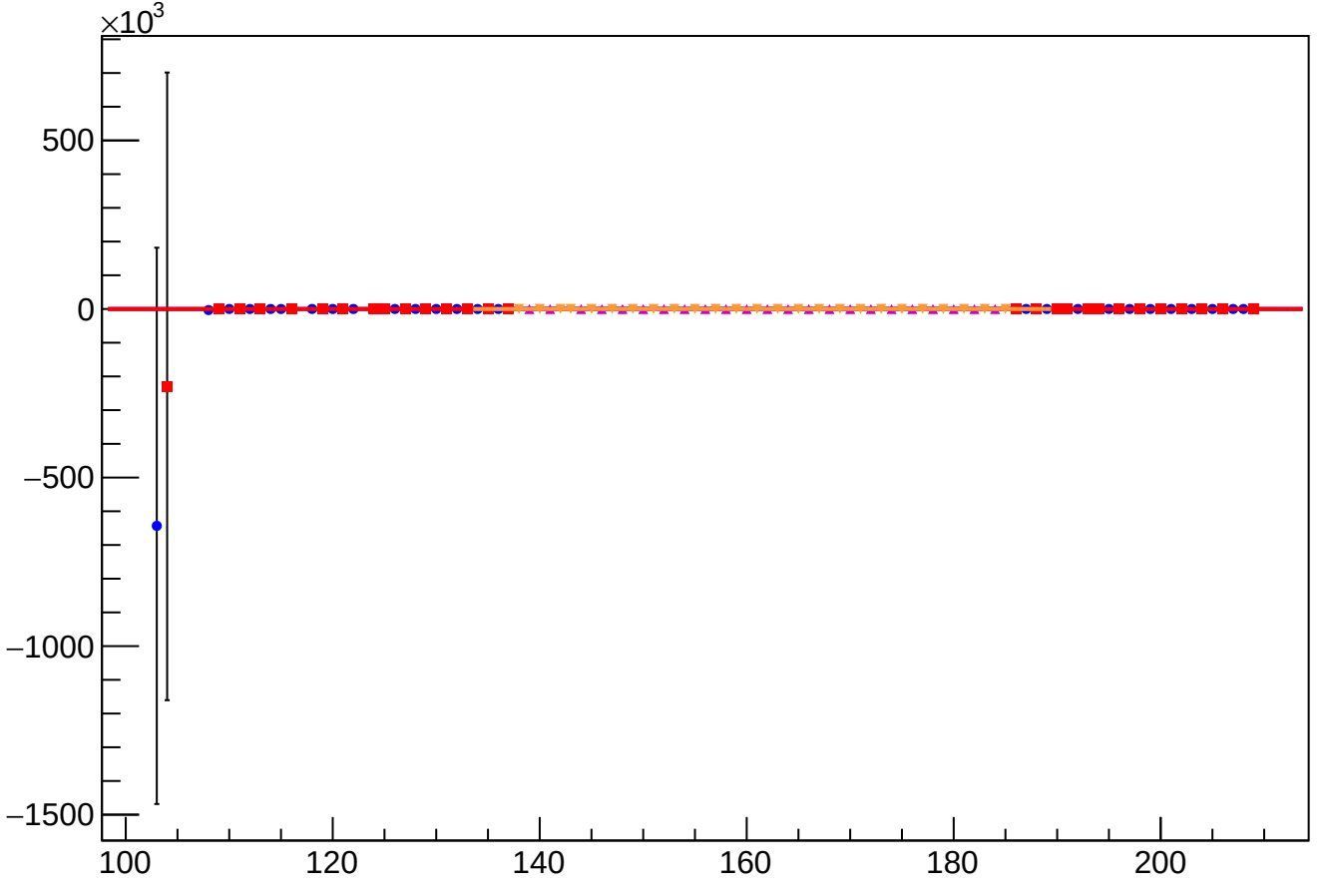
Right: 1808.200+/-0.260 χ^2/NDF: 8800296.0/50

In: 2234.171+/-0.308 χ^2/NDF:11414296.3/46

Out: 2301.271+/-0.307 χ^2/NDF:11375616.3/51

All: 2267.814+/-0.218 χ^2/NDF: 22813686.5/9

diff_bpm1p03aX_mean vs Slug, Sign Corrected



Right In: -1.417+/-0.598 χ^2/NDF: 29.2/25

Left Out: -1.573+/-0.363 χ^2/NDF:50.3/24

Right Out: 1.784+/-0.596 χ^2/NDF: 25.2/27

Left In: -0.018+/-0.374 χ^2/NDF:27.3/22

Left: -0.819+/-0.261 χ^2/NDF: 86.5/47

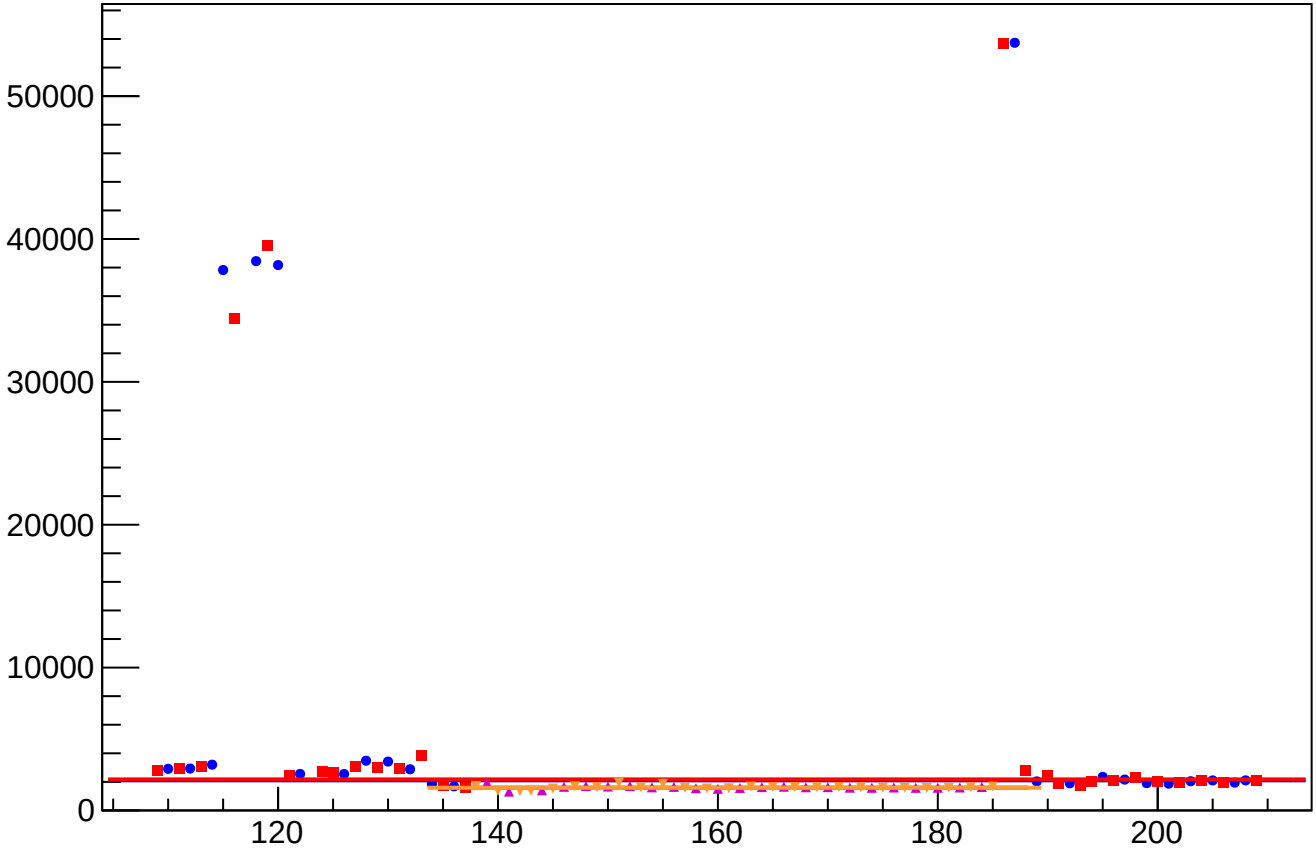
Right: 0.188+/-0.422 χ^2/NDF: 68.7/53

In: -0.412+/-0.317 χ^2/NDF:60.5/48

Out: -0.665+/-0.310 χ^2/NDF:98.6/52

All: -0.541+/-0.222 χ^2/NDF: 159.4/101

diff_bpm1p03aX_rms vs Slug, Sign Corrected



Right In: 2108.706+/-0.423 χ^2/NDF: 2981161.5/23

Left Out: 1589.488+/-0.257 χ^2/NDF:232518.0/24

Right Out: 2174.097+/-0.422 χ^2/NDF: 3248724.8/26

Left In: 1596.179+/-0.265 χ^2/NDF:196833.1/22

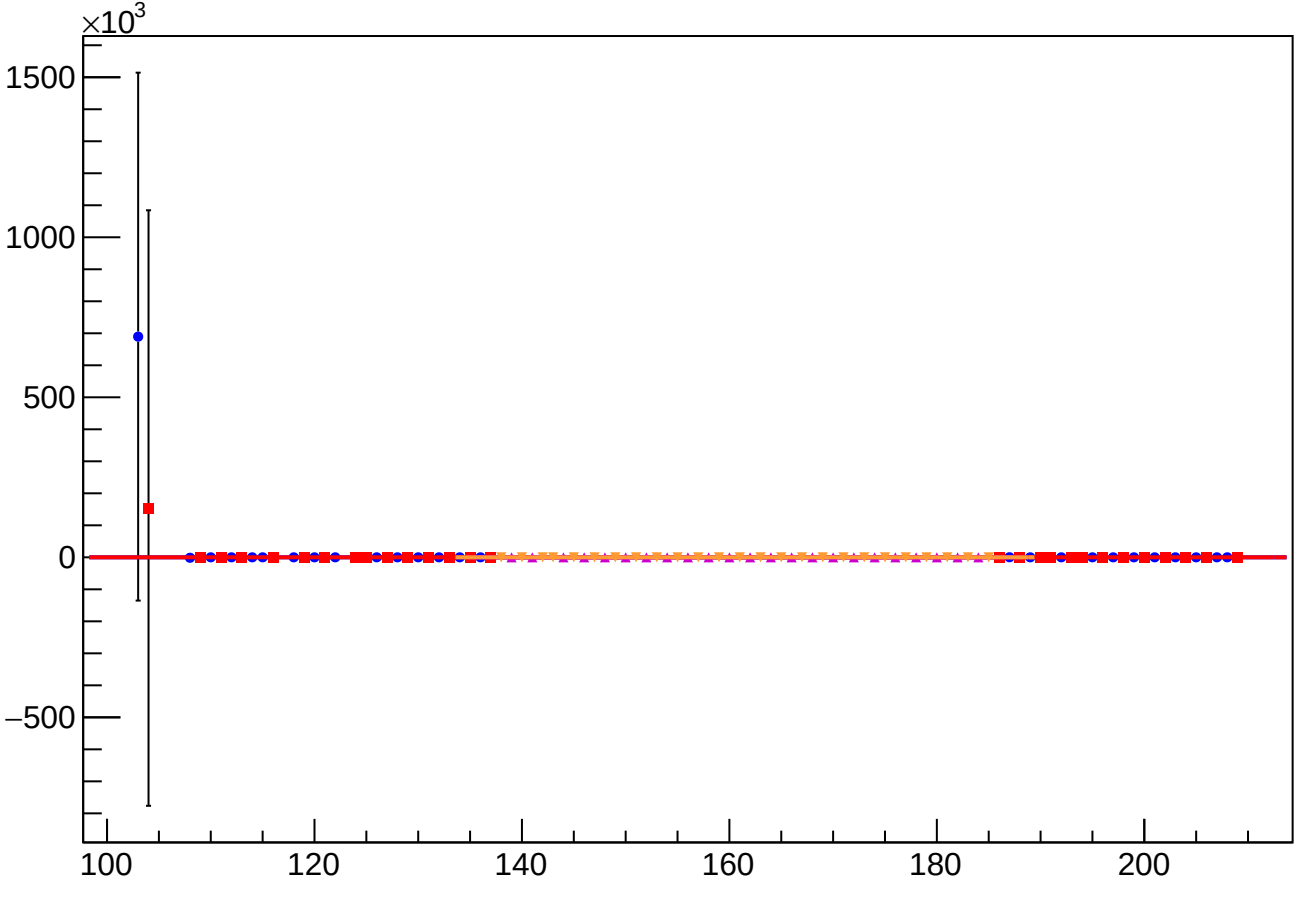
Left: 1592.729+/-0.184 χ^2/NDF: 429680.4/47

Right: 2141.494+/-0.299 χ^2/NDF: 6241880.7/50

In: 1740.562+/-0.224 χ^2/NDF:4233554.1/46

Out: 1747.523+/-0.219 χ^2/NDF:4884267.8/51

All: 1744.124+/-0.157 χ^2/NDF: 9118314.3/98



Right In: 0.176+/-0.443 χ^2/NDF: 24.6/25

Left Out: -1.179+/-0.502 χ^2/NDF:24.4/24

Right Out: 0.240+/-0.444 χ^2/NDF: 31.7/27

Left In: -0.125+/-0.501 χ^2/NDF:16.9/22

Left: -0.651+/-0.355 χ^2/NDF: 43.5/47

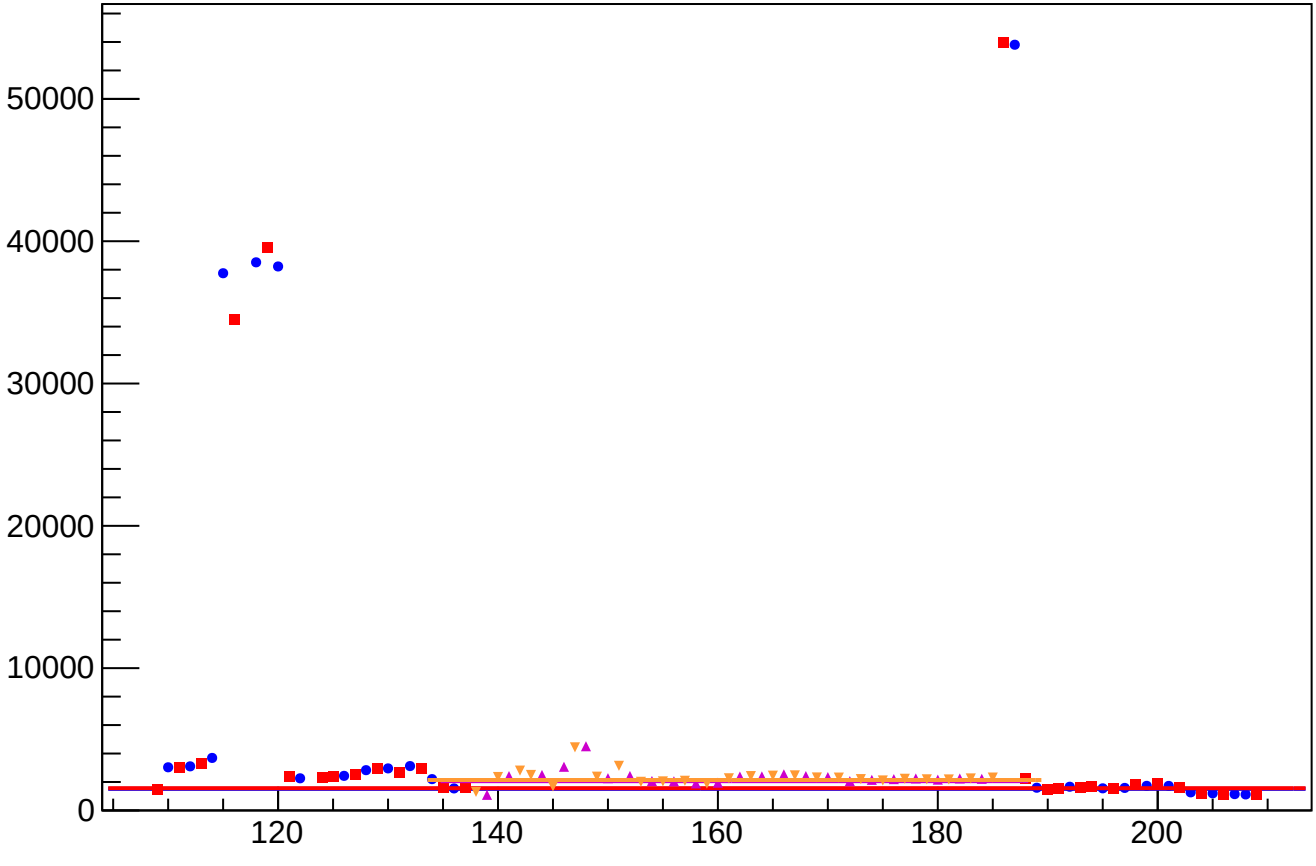
Right: 0.208+/-0.314 χ^2/NDF: 56.2/53

In: 0.044+/-0.332 χ^2/NDF:41.7/48

Out: -0.382+/-0.333 χ^2/NDF:60.6/52

All: -0.168+/-0.235 χ^2/NDF: 103.0/101

diff_bpm1p03aY_rms vs Slug, Sign Corrected



Right In: 1517.963+/-0.313 χ^2/NDF: 4391751.7/23

Left Out: 2139.248+/-0.355 χ^2/NDF:1480000.5/24

Right Out: 1563.928+/-0.314 χ^2/NDF: 4507960.3/26

Left In: 2058.216+/-0.354 χ^2/NDF:2293601.6/22

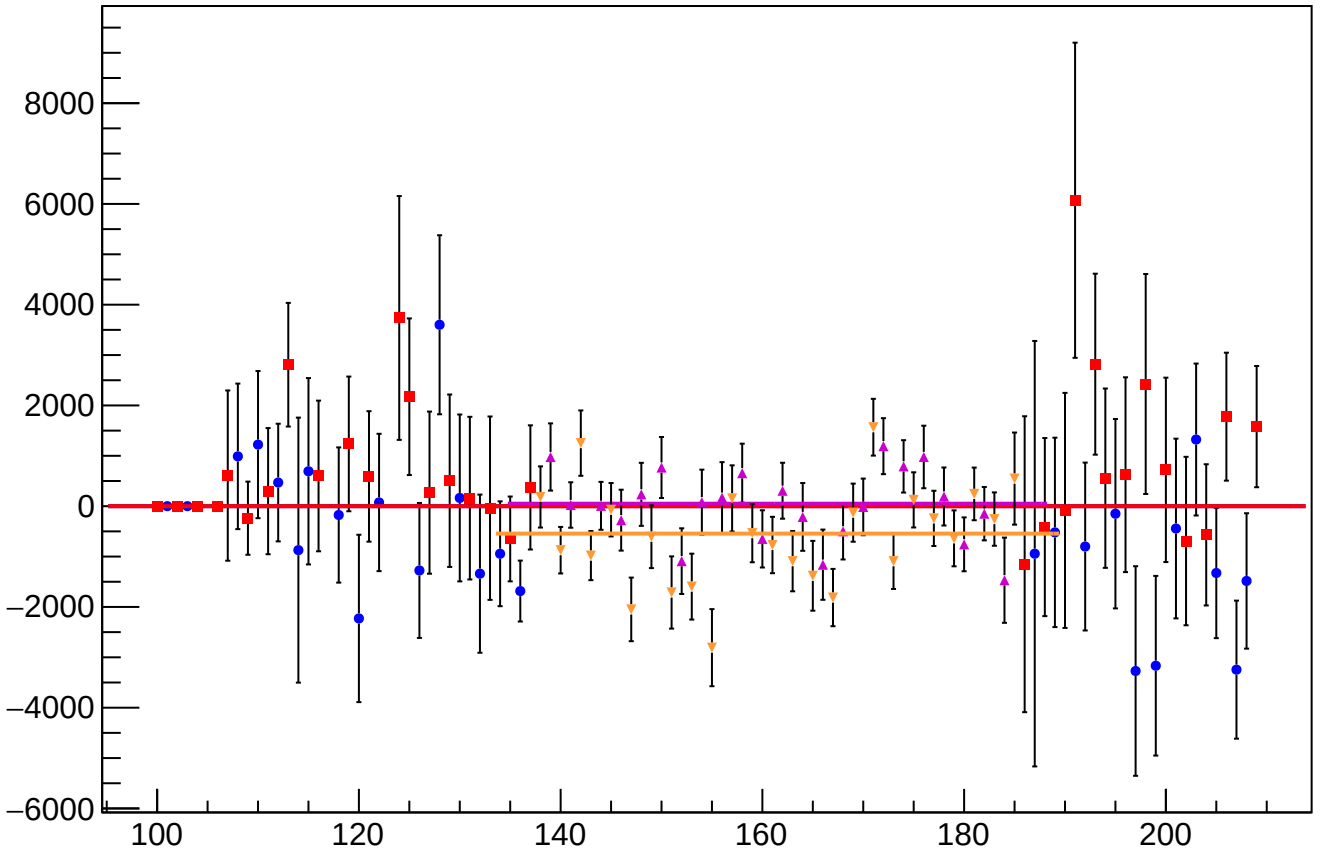
Left: 2098.634+/-0.251 χ^2/NDF: 3799672.6/47

Right: 1540.905+/-0.222 χ^2/NDF: 8910457.3/50

In: 1754.905+/-0.235 χ^2/NDF:7989748.4/46

Out: 1816.058+/-0.235 χ^2/NDF:7460886.0/51

All: 1785.419+/-0.166 χ^2/NDF: 15484502.6/9



Right In: 0.255+/-0.356 χ^2/NDF: 32.5/26

Left Out: -544.414+/-117.154 χ^2/NDF:60.9/24

Right Out: -0.095+/-0.328 χ^2/NDF: 27.5/31

Left In: 49.119+/-121.932 χ^2/NDF:28.0/22

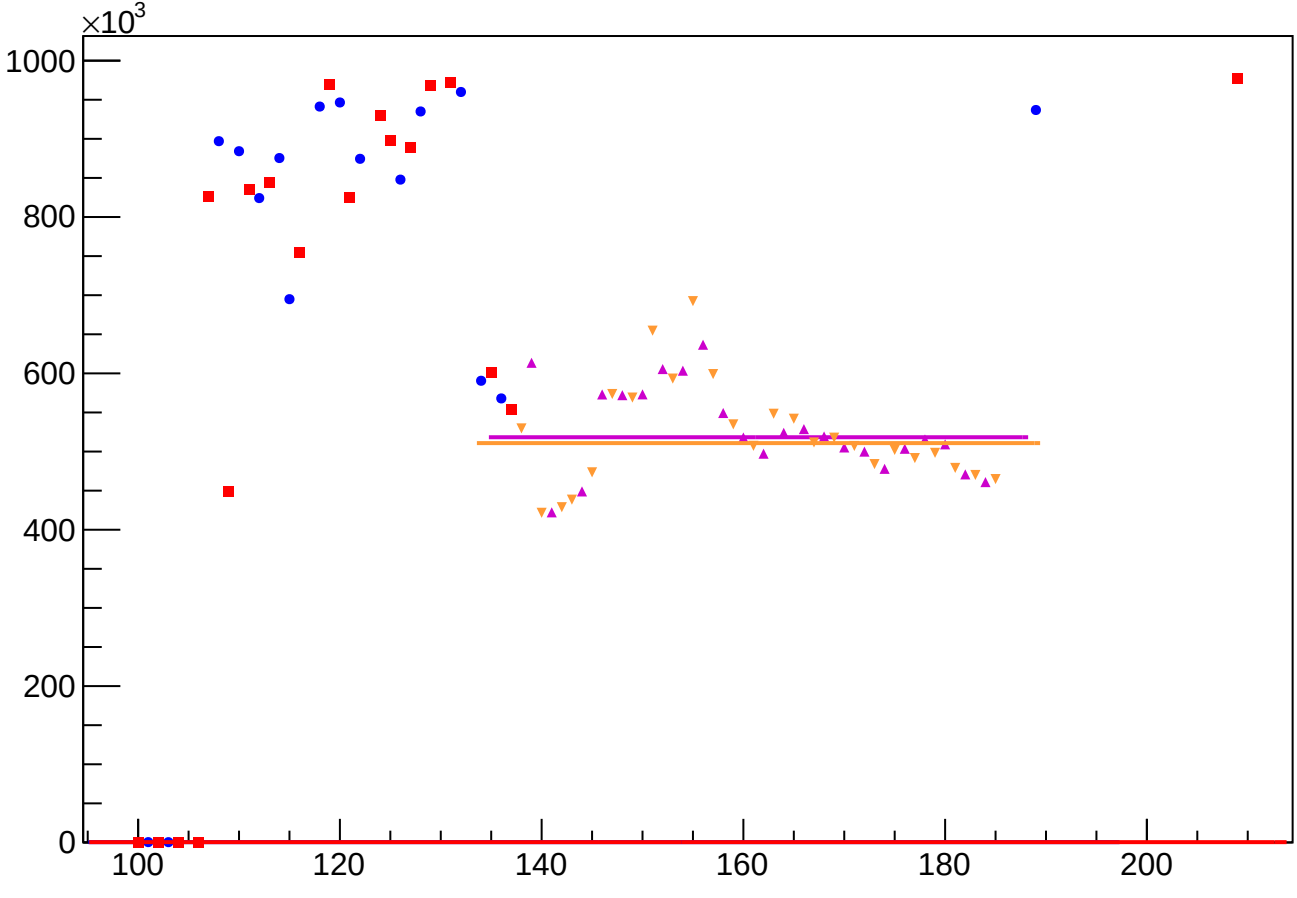
Left: -259.505+/-84.479 χ^2/NDF: 101.1/47

Right: 0.065+/-0.241 χ^2/NDF: 60.4/58

In: 0.255+/-0.356 χ^2/NDF:60.6/49

Out: -0.100+/-0.328 χ^2/NDF:109.9/56

All: 0.063+/-0.241 χ^2/NDF: 171.0/106



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

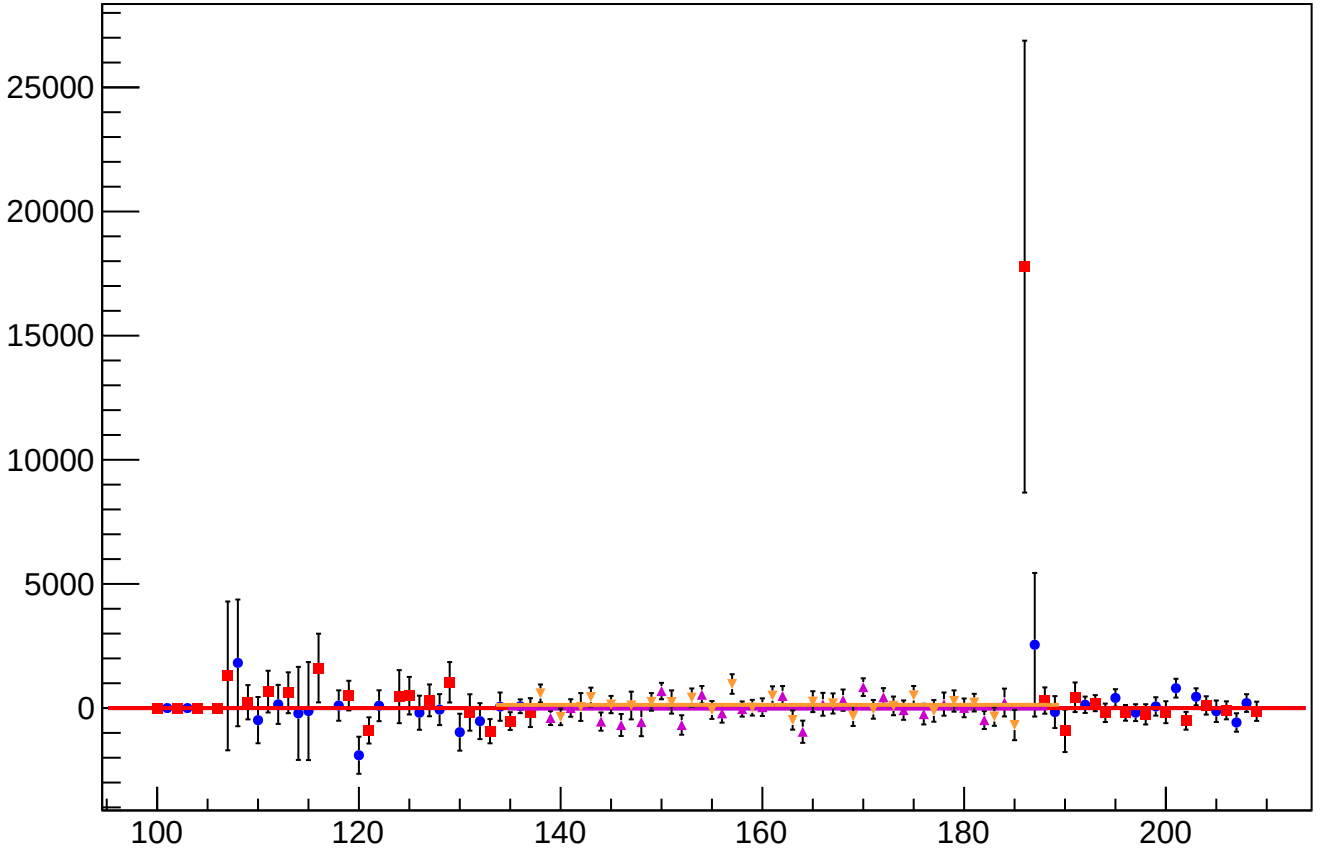
Right: 395.838+/-0.170 χ^2/NDF: 16370006.0/34

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: 22.2/26

Left Out: 128.971+/-78.249 χ^2/NDF:20.1/24

Right Out: -0.600+/-0.324 χ^2/NDF: 24.7/31

Left In: -19.324+/-79.767 χ^2/NDF:33.7/22

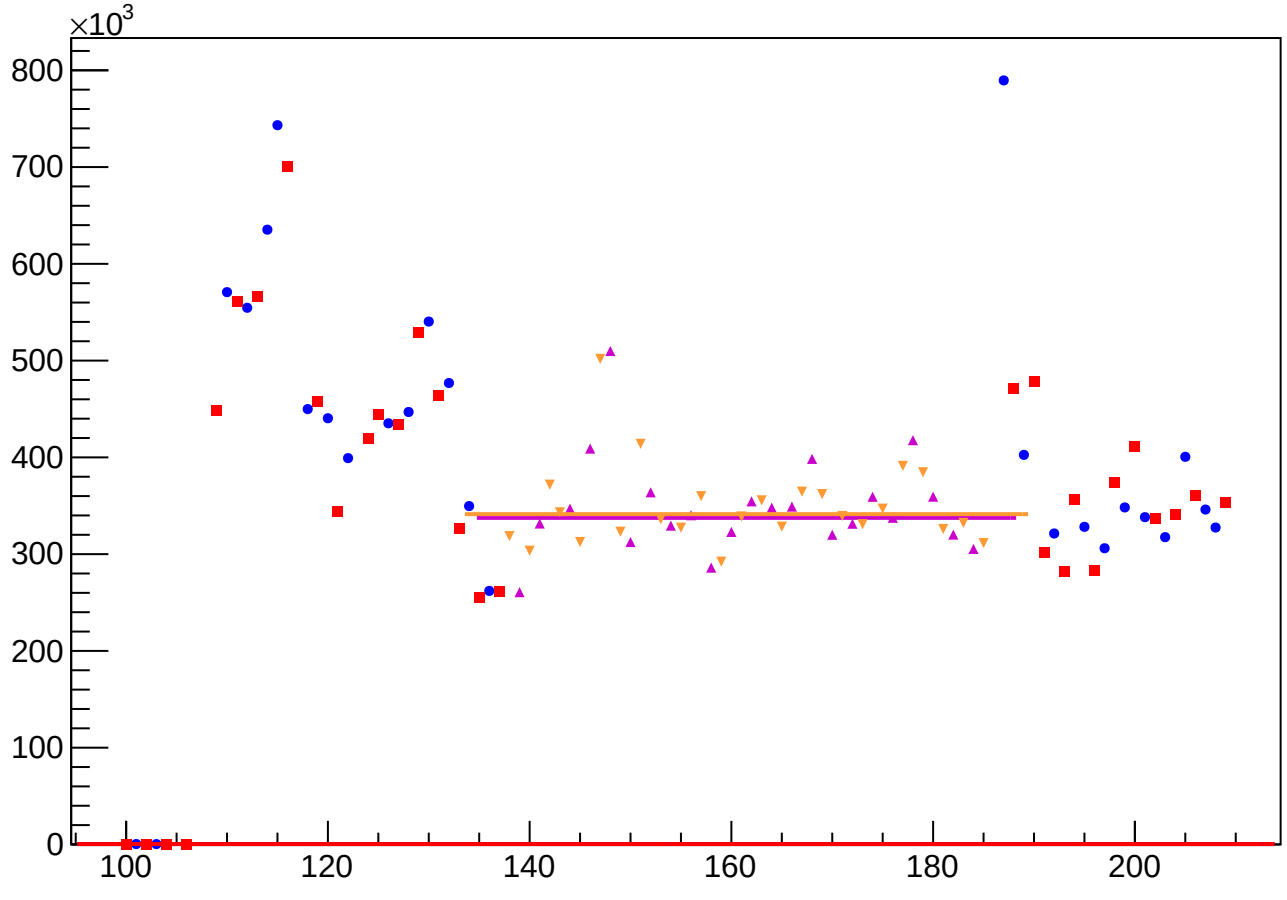
Left: 56.249+/-55.859 χ^2/NDF: 55.5/47

Right: -0.330+/-0.237 χ^2/NDF: 48.4/58

In: -0.020+/-0.347 χ^2/NDF:56.0/49

Out: -0.597+/-0.324 χ^2/NDF:47.5/56

All: -0.329+/-0.237 χ^2/NDF: 105.0/106



Right In: 393.172+/-0.245 χ^2/NDF: 27385091.1/25

Left Out: 341327.149+/-55.330 χ^2/NDF:403173.8/24

Right Out: 390.693+/-0.229 χ^2/NDF: 29231977.2/29

Left In: 337505.654+/-56.407 χ^2/NDF:600776.4/22

Left: 339453.220+/-39.500 χ^2/NDF: 1006289.4/47

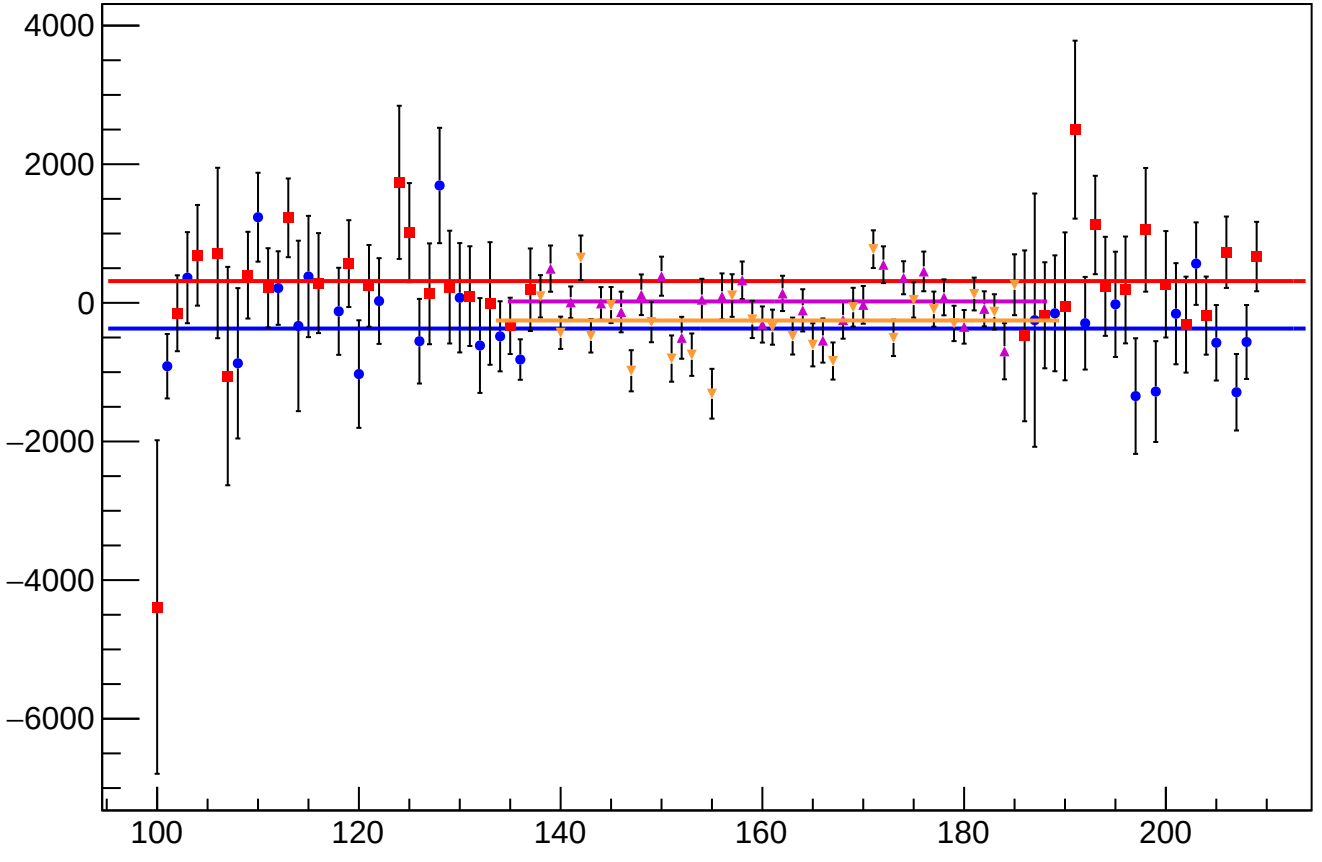
Right: 391.847+/-0.167 χ^2/NDF: 56617122.8/55

In: 399.555+/-0.245 χ^2/NDF:63703097.9/48

Out: 396.531+/-0.229 χ^2/NDF:67602891.6/54

All: 397.938+/-0.167 χ^2/NDF: 131306070.7/

diff_cav4cX_mean vs Slug, Sign Corrected



Right In: -370.744+/-119.561 χ^2/NDF: 30.2/26

Left Out: -254.371+/-55.417 χ^2/NDF:61.3/24

Right Out: 313.979+/-122.892 χ^2/NDF: 22.6/31

Left In: 20.176+/-57.484 χ^2/NDF:28.6/22

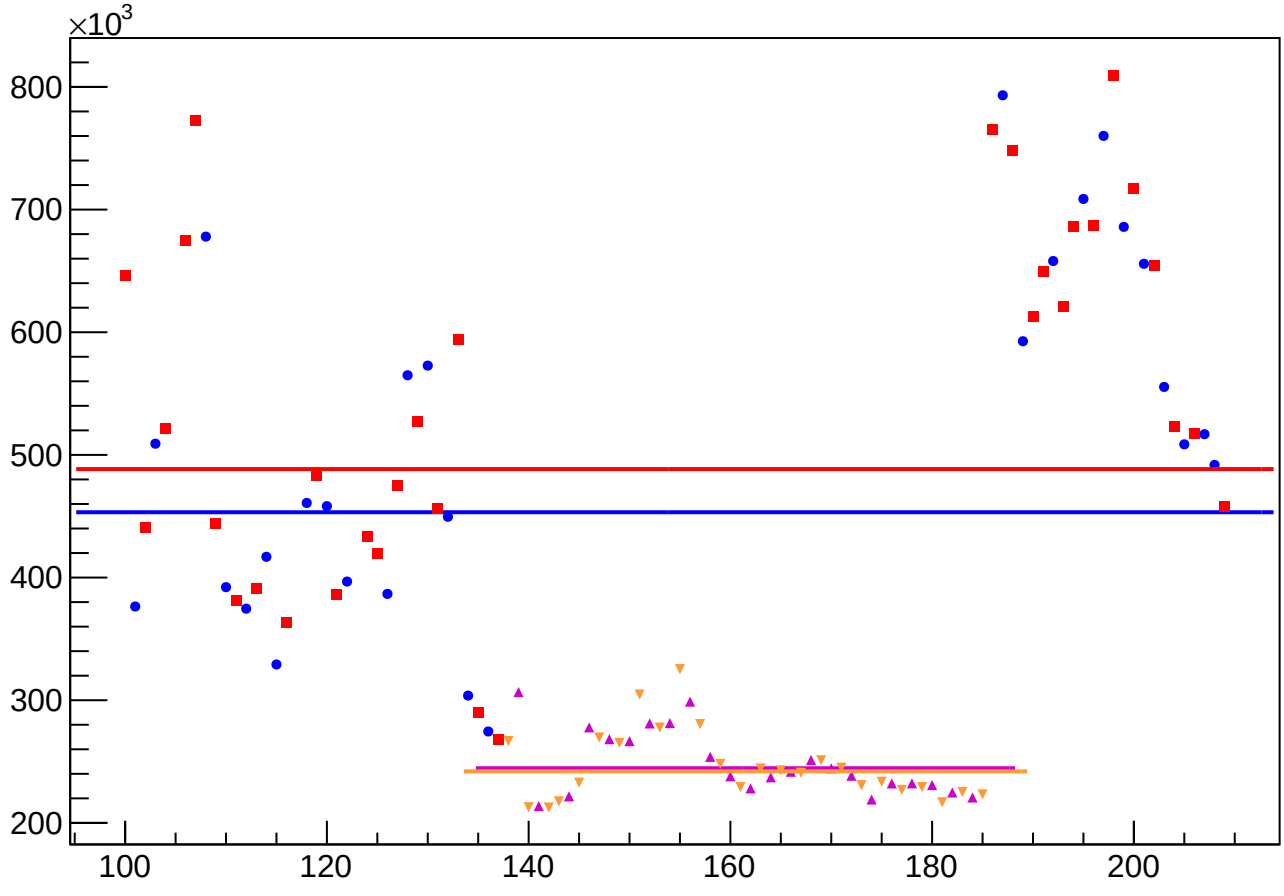
Left: -122.121+/-39.897 χ^2/NDF: 101.7/47

Right: -37.788+/-85.696 χ^2/NDF: 68.8/58

In: -53.223+/-51.807 χ^2/NDF:67.5/49

Out: -158.327+/-50.519 χ^2/NDF:101.7/56

All: -107.098+/-36.169 χ^2/NDF: 171.3/106



Right In: 453252.027+/-84.558 χ^2/NDF: 2587863.3/26

Left Out: 242008.749+/-39.186 χ^2/NDF:413236.1/24

Right Out: 488444.078+/-86.993 χ^2/NDF: 2508232.1/31

Left In: 244542.686+/-40.647 χ^2/NDF:361527.4/22

Left: 243229.356+/-28.211 χ^2/NDF: 776777.7/47

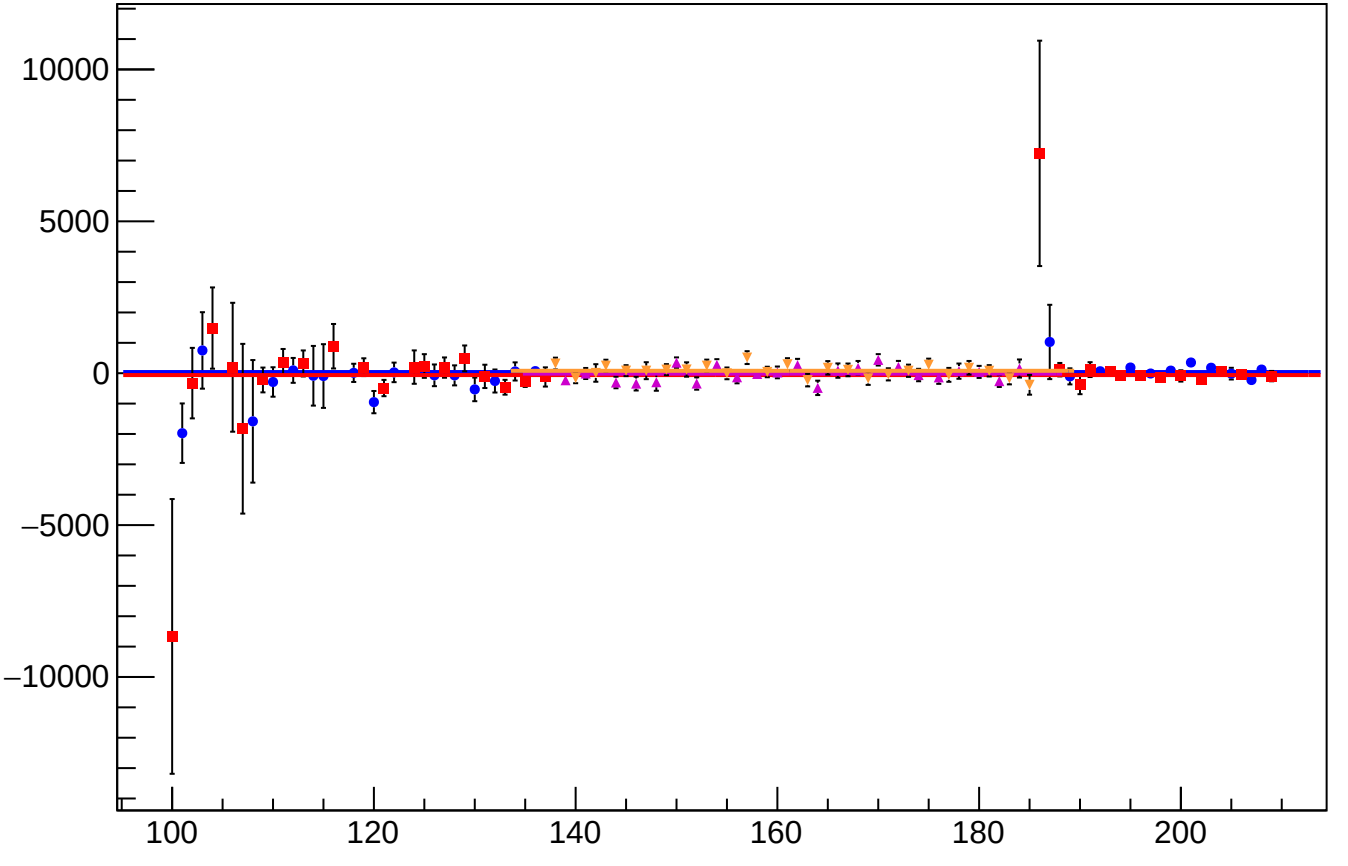
Right: 470348.551+/-60.634 χ^2/NDF: 5180243.3/58

In: 283717.769+/-36.634 χ^2/NDF:7898080.8/49

Out: 283577.112+/-35.729 χ^2/NDF:9592643.8/56

All: 283645.680+/-25.578 χ^2/NDF: 1749073

diff_cav4cY_mean vs Slug, Sign Corrected



Right In: 38.406+/-43.104 χ^2/NDF: 26.1/26

Left Out: 79.495+/-41.301 χ^2/NDF:19.7/24

Right Out: -61.134+/-42.049 χ^2/NDF: 27.4/31

Left In: -14.032+/-42.233 χ^2/NDF:33.2/22

Left: 33.776+/-29.528 χ^2/NDF: 55.4/47

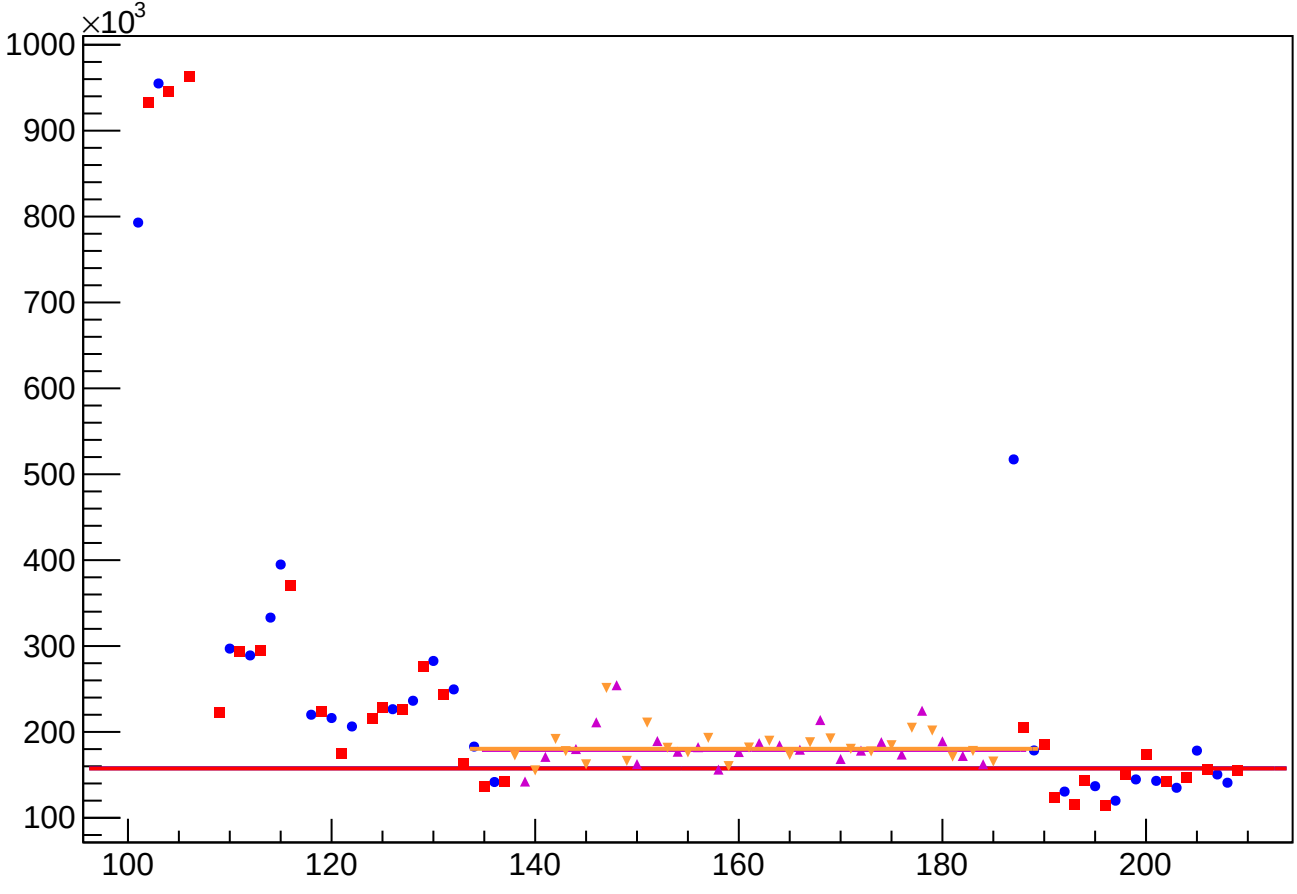
Right: -12.596+/-30.099 χ^2/NDF: 56.2/58

In: 11.652+/-30.166 χ^2/NDF:60.0/49

Out: 10.444+/-29.465 χ^2/NDF:52.9/56

All: 11.034+/-21.079 χ^2/NDF: 112.9/106

diff_cav4cY_rms vs Slug, Sign Corrected



Right In: 157651.398+/-30.492 χ^2/NDF: 3256642.3/25

Left Out: 180342.867+/-29.204 χ^2/NDF:346596.9/24

Right Out: 157458.583+/-29.752 χ^2/NDF: 3272031.5/28

Left In: 179024.195+/-29.863 χ^2/NDF:501400.7/22

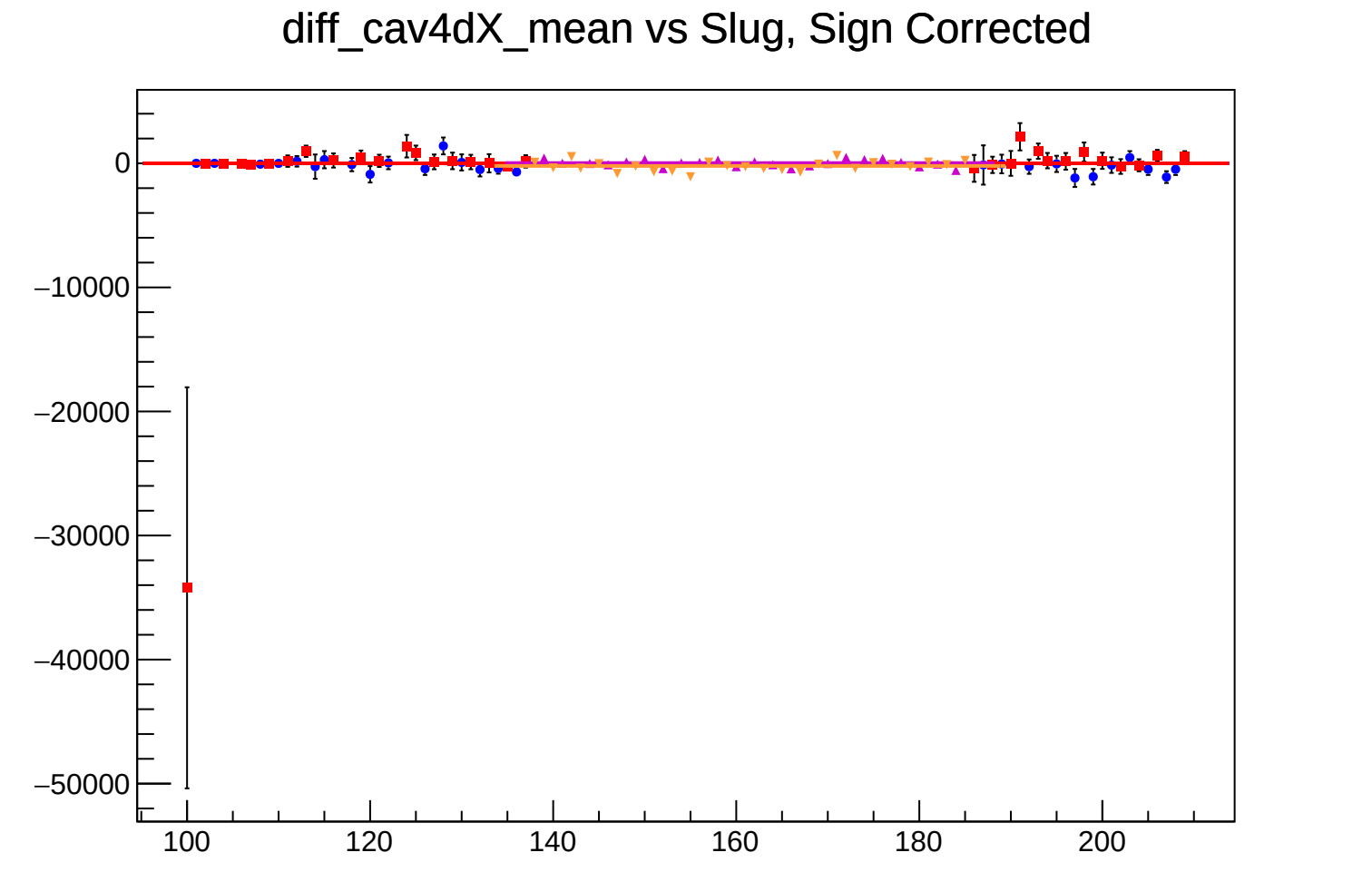
Left: 179698.251+/-20.880 χ^2/NDF: 848994.3/47

Right: 157552.625+/-21.295 χ^2/NDF: 6528694.3/54

In: 168560.200+/-21.335 χ^2/NDF:4008815.6/48

Out: 169113.529+/-20.841 χ^2/NDF:3919934.1/53

All: 168843.341+/-14.909 χ^2/NDF: 7929094.



Right In: -0.035+/-0.172 χ^2/NDF: 32.4/26

Left Out: -210.198+/-46.290 χ^2/NDF:61.2/24

Right Out: 0.355+/-0.160 χ^2/NDF: 28.7/31

Left In: 21.095+/-48.037 χ^2/NDF:28.6/22

Left: -98.836+/-33.332 χ^2/NDF: 101.8/47

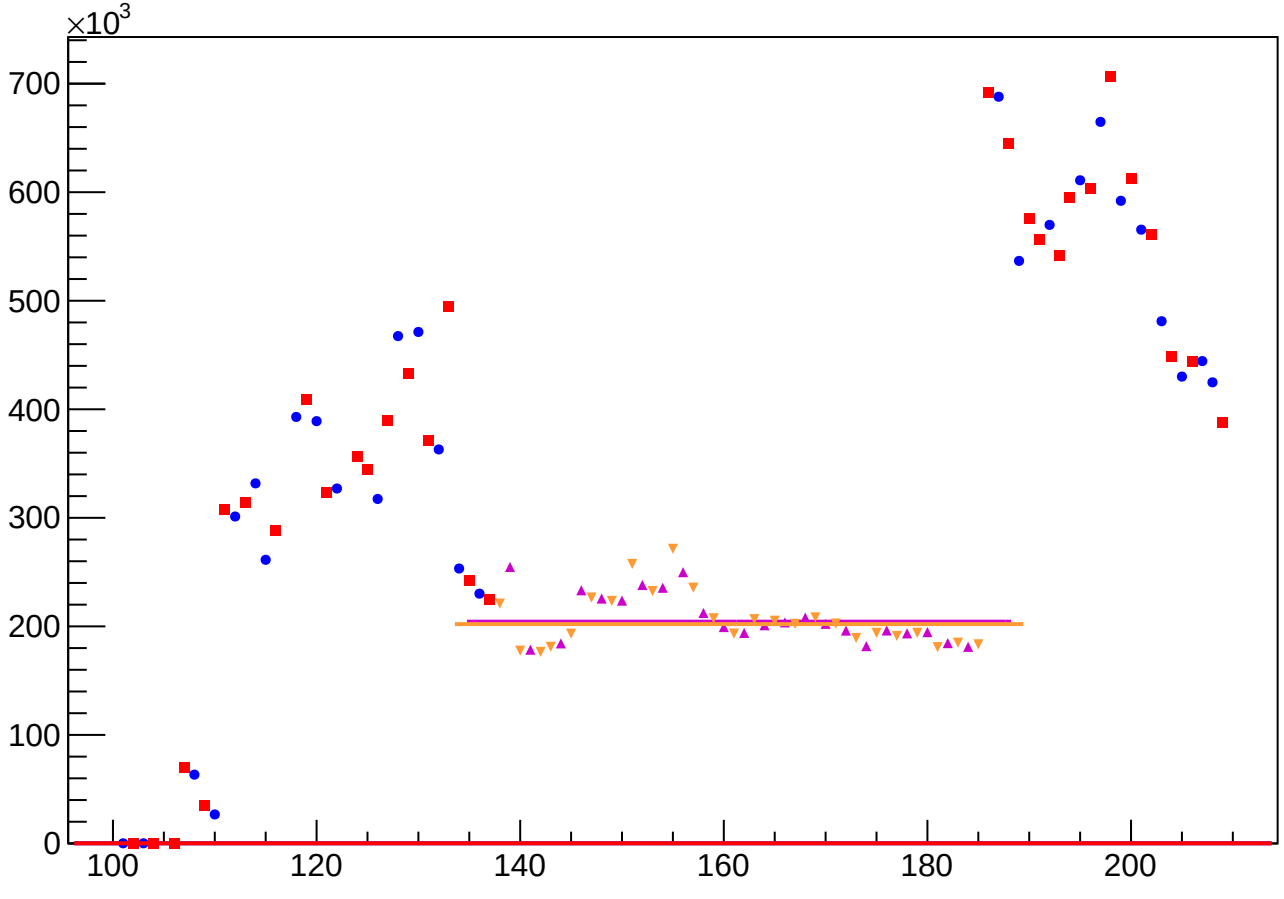
Right: 0.174+/-0.117 χ^2/NDF: 63.9/58

In: -0.035+/-0.172 χ^2/NDF:61.2/49

Out: 0.353+/-0.160 χ^2/NDF:110.6/56

All: 0.173+/-0.117 χ^2/NDF: 174.5/106

diff_cav4dX_rms vs Slug, Sign Corrected



Right In: 149.577+/-0.122 χ^2/NDF: 28380086.2/26

Left Out: 202085.802+/-32.732 χ^2/NDF:434069.3/24

Right Out: 149.839+/-0.113 χ^2/NDF: 30792633.1/30

Left In: 204310.238+/-33.967 χ^2/NDF:377332.3/22

Left: 203156.818+/-23.570 χ^2/NDF: 813625.2/47

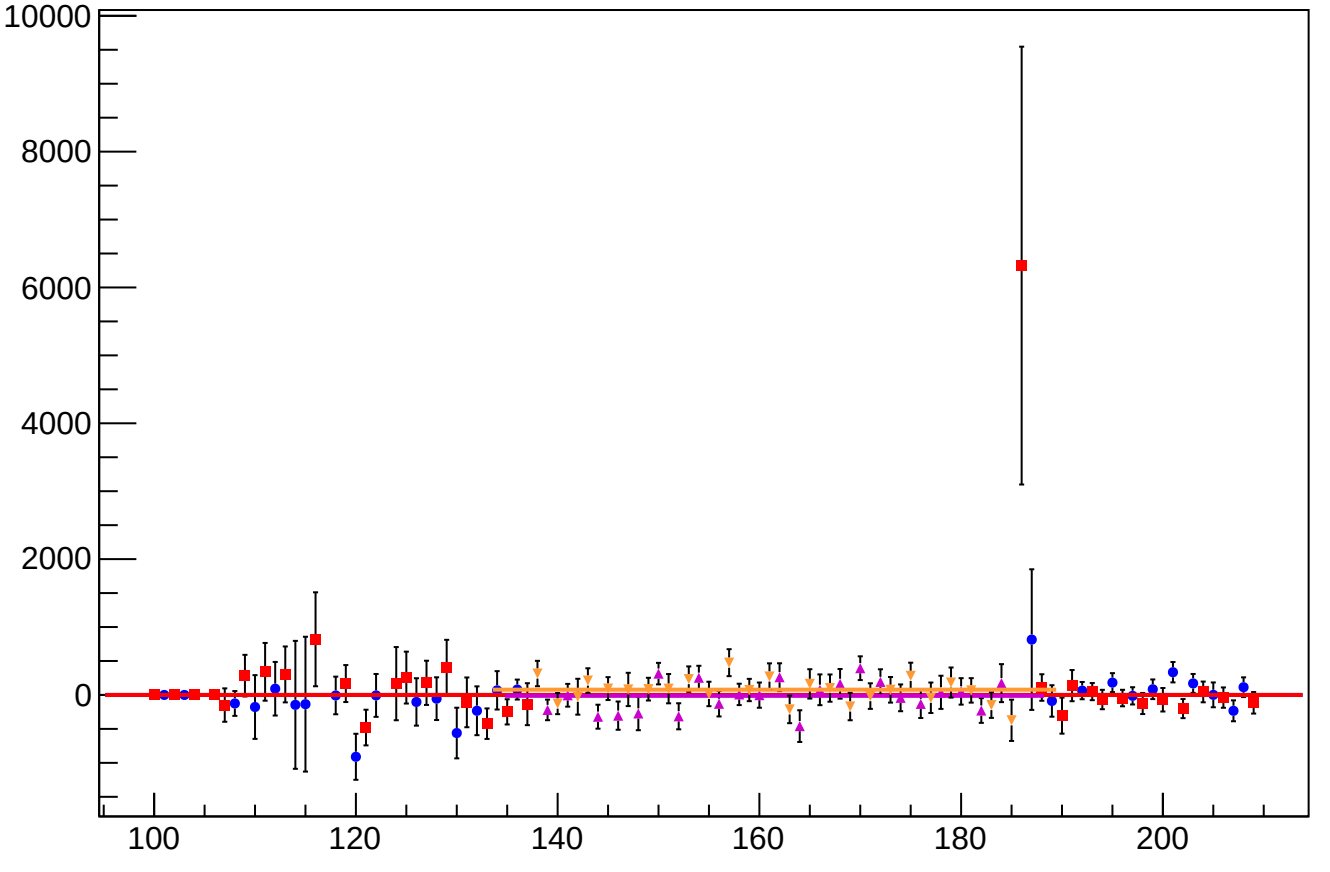
Right: 149.718+/-0.083 χ^2/NDF: 59172721.8/57

In: 152.203+/-0.122 χ^2/NDF:64882734.4/49

Out: 152.256+/-0.113 χ^2/NDF:69288296.8/55

All: 152.231+/-0.083 χ^2/NDF: 134171031.3/

diff_cav4dY_mean vs Slug, Sign Corrected



Right In: -0.067+/-0.177 χ^2/NDF: 23.6/26

Left Out: 77.572+/-38.921 χ^2/NDF:19.1/24

Right Out: -0.127+/-0.166 χ^2/NDF: 25.2/31

Left In: -13.457+/-39.929 χ^2/NDF:32.7/22

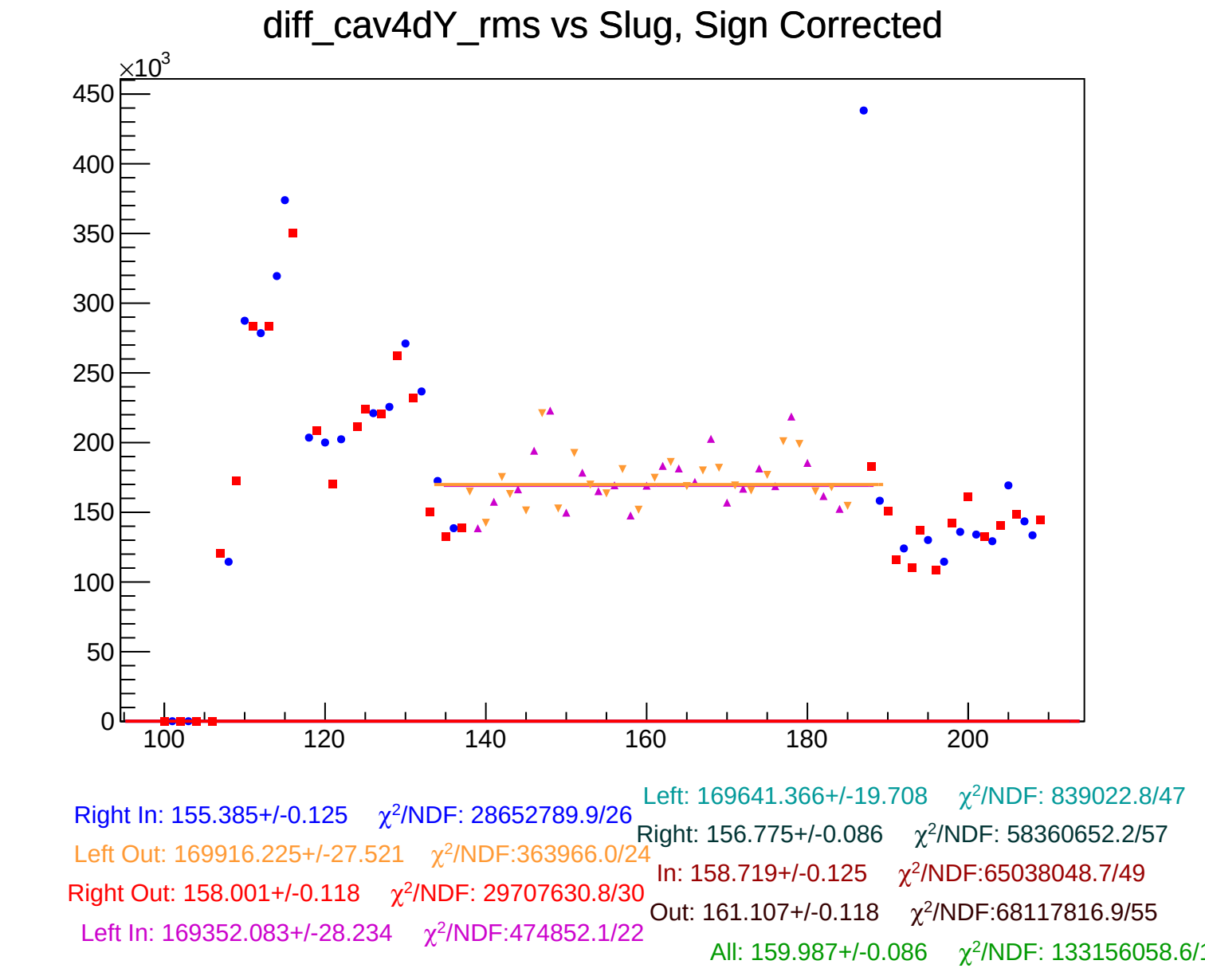
Left: 33.221+/-27.871 χ^2/NDF: 54.4/47

Right: -0.099+/-0.121 χ^2/NDF: 48.9/58

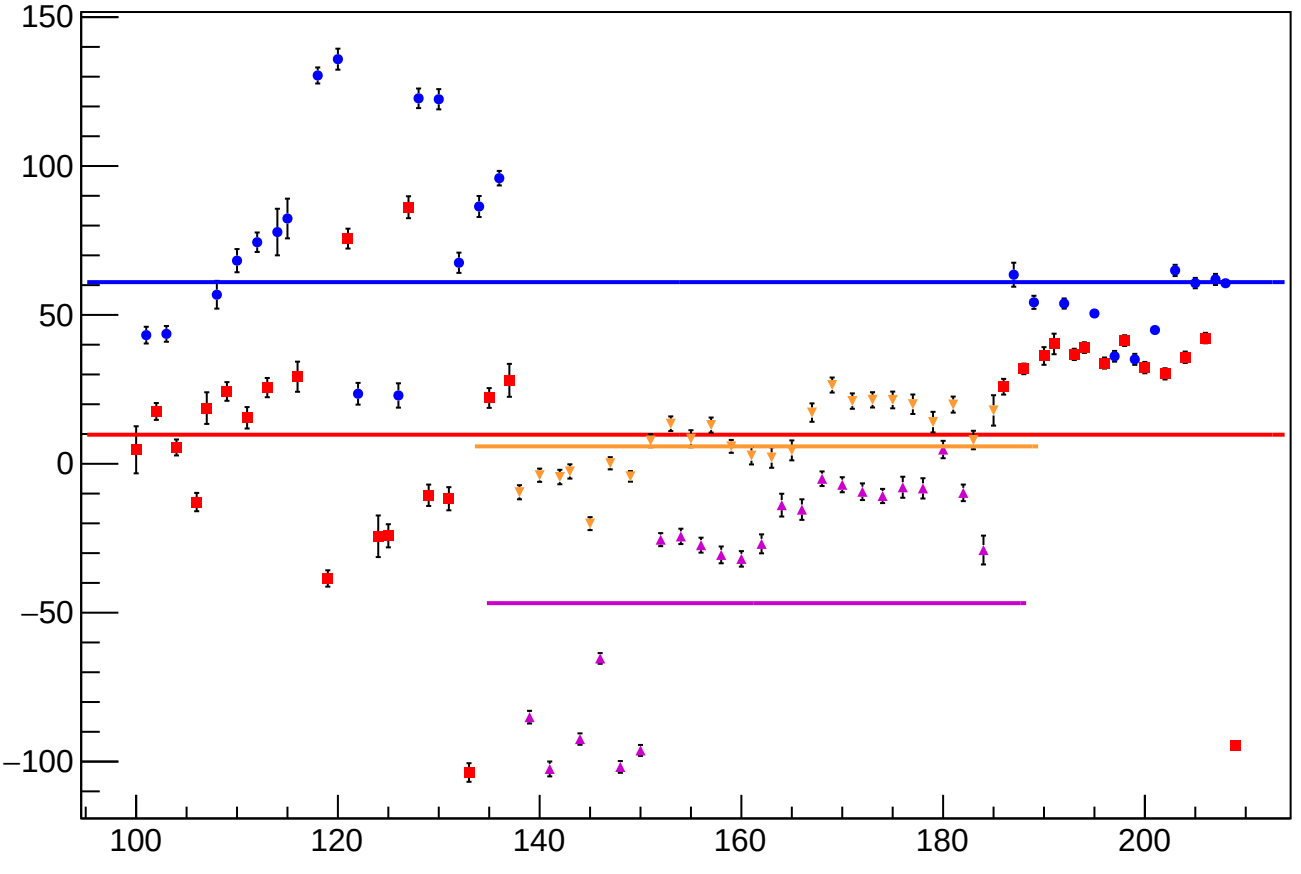
In: -0.067+/-0.177 χ^2/NDF:56.4/49

Out: -0.125+/-0.166 χ^2/NDF:48.2/56

All: -0.098+/-0.121 χ^2/NDF: 104.7/106


diff_cav4dY_rms vs Slug, Sign Corrected
×10^3
450
400
350
300
250
200
150
100
50
0
100
120
140
160
180
200
Right In: 155.385+/-0.125 χ²/NDF: 28652789.9/26
Left Out: 169916.225+/-27.521 χ²/NDF:363966.0/24
Right Out: 158.001+/-0.118 χ²/NDF: 29707630.8/30
Left In: 169352.083+/-28.234 χ²/NDF:474852.1/22
Left: 169641.366+/-19.708 χ²/NDF: 839022.8/47
Right: 156.775+/-0.086 χ²/NDF: 58360652.2/57
In: 158.719+/-0.125 χ²/NDF:65038048.7/49
Out: 161.107+/-0.118 χ²/NDF:68117816.9/55
All: 159.987+/-0.086 χ²/NDF: 133156058.6/1

diff_bpm0i01X_mean vs Slug, Sign Corrected



Right In: 61.006+/-0.465 χ^2/NDF: 2915.6/26

Left Out: 5.852+/-0.514 χ^2/NDF:535.3/24

Right Out: 9.774+/-0.440 χ^2/NDF: 12117.8/31

Left In: -46.796+/-0.524 χ^2/NDF:5175.4/22

Left: -19.940+/-0.367 χ^2/NDF: 10850.6/47

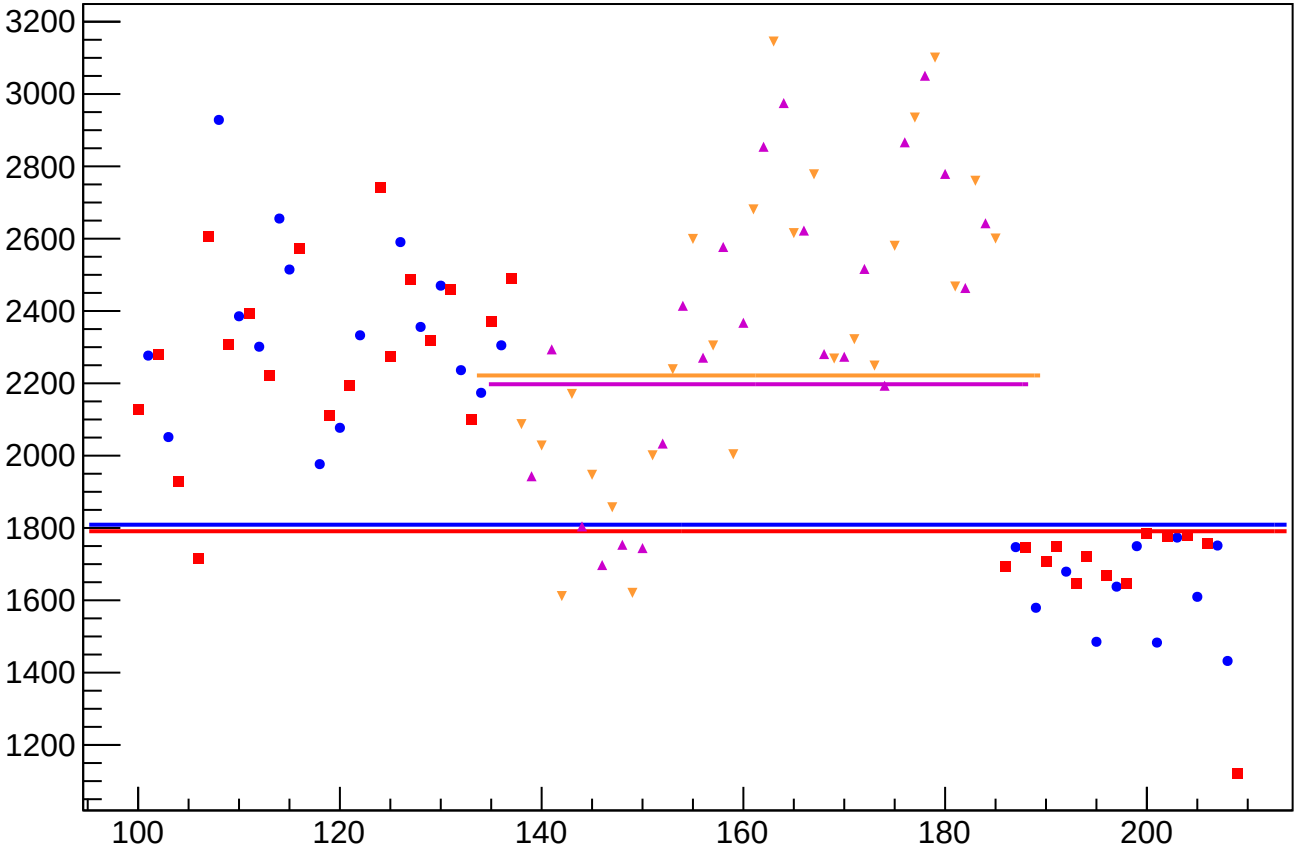
Right: 33.970+/-0.320 χ^2/NDF: 21428.1/58

In: 13.517+/-0.348 χ^2/NDF:31726.8/49

Out: 8.114+/-0.334 χ^2/NDF:12686.7/56

All: 10.707+/-0.241 χ^2/NDF: 44538.7/106

diff_bpm0i01X_rms vs Slug, Sign Corrected



Right In: 1809.048+/-0.329 χ^2/NDF: 1073121.6/26

Left Out: 2221.771+/-0.363 χ^2/NDF:1184043.2/24

Right Out: 1790.958+/-0.311 χ^2/NDF: 1362522.4/31

Left In: 2197.471+/-0.371 χ^2/NDF:1104663.4/22

Left: 2209.867+/-0.260 χ^2/NDF: 2290896.6/47

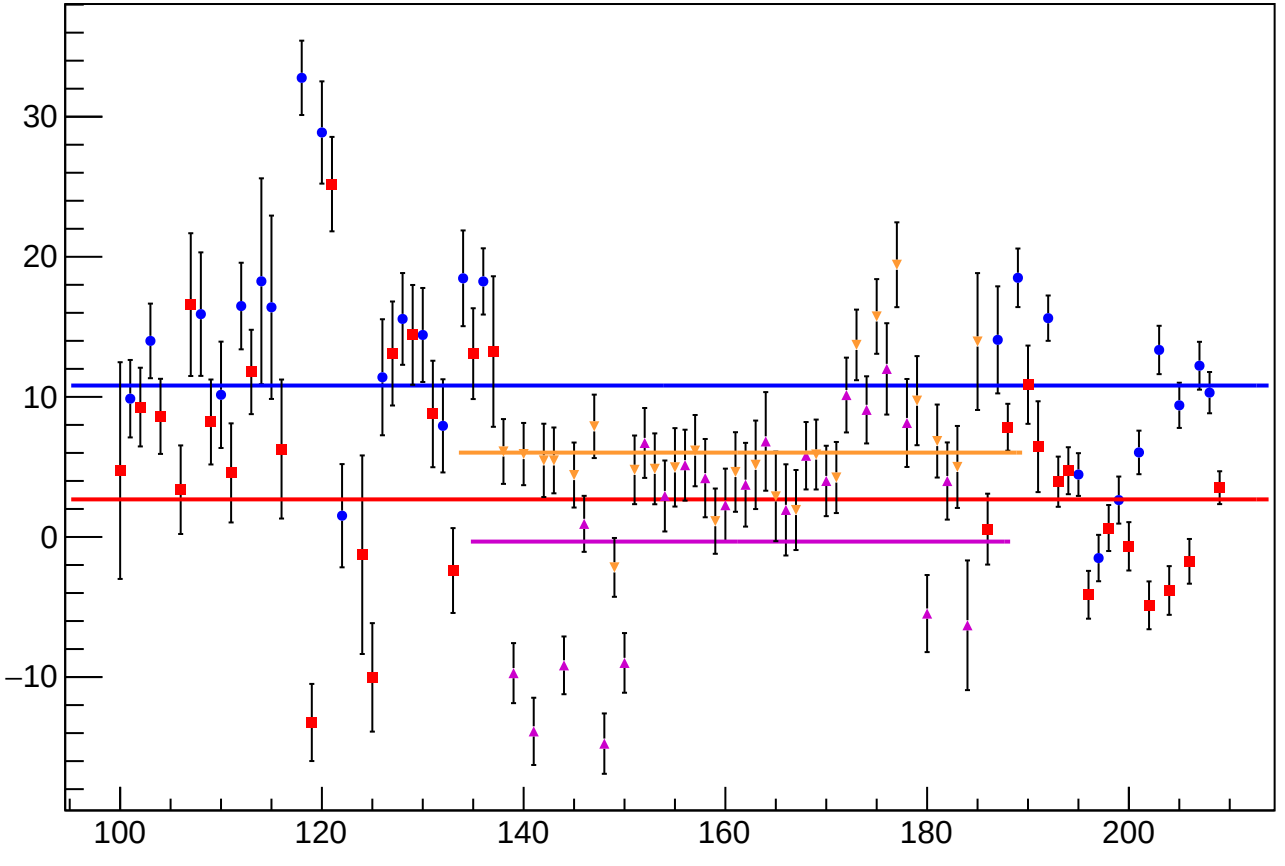
Right: 1799.502+/-0.226 χ^2/NDF: 2437238.5/58

In: 1980.157+/-0.246 χ^2/NDF:2791492.0/49

Out: 1973.292+/-0.236 χ^2/NDF:3356989.6/56

All: 1976.587+/-0.171 χ^2/NDF: 6148886.1/10

diff_bpm0i01Y_mean vs Slug, Sign Corrected



Right In: 10.811+/-0.439 χ^2/NDF: 259.0/26

Left Out: 6.022+/-0.521 χ^2/NDF:71.8/24

Right Out: 2.684+/-0.416 χ^2/NDF: 243.7/31

Left In: -0.329+/-0.535 χ^2/NDF:224.9/22

Left: 2.929+/-0.373 χ^2/NDF: 369.1/47

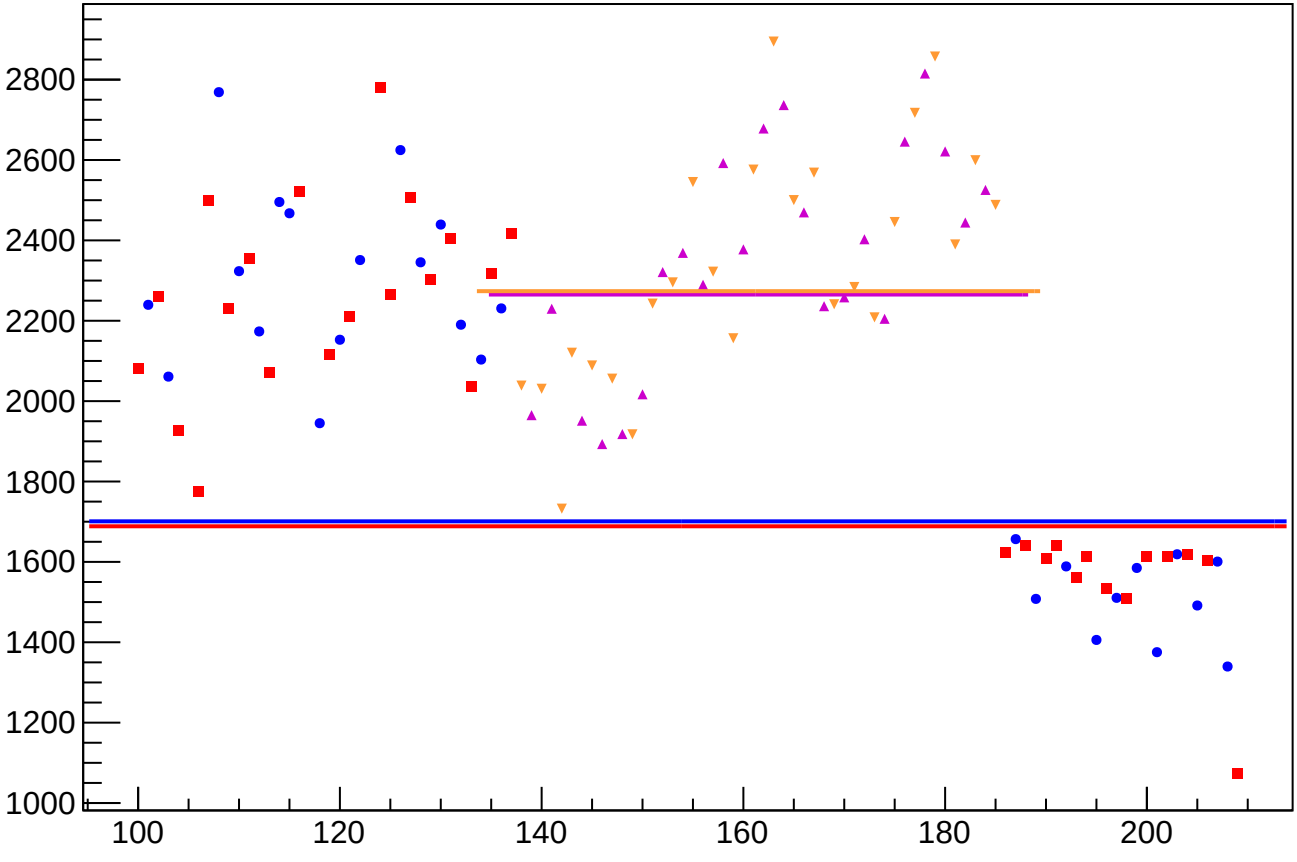
Right: 6.531+/-0.302 χ^2/NDF: 683.3/58

In: 6.326+/-0.339 χ^2/NDF:743.3/49

Out: 3.984+/-0.325 χ^2/NDF:340.6/56

All: 5.105+/-0.235 χ^2/NDF: 1108.7/106

diff_bpm0i01Y_rms vs Slug, Sign Corrected



Right In: 1700.929+/-0.310 χ^2/NDF: 1327277.9/26

Left Out: 2273.612+/-0.368 χ^2/NDF:536838.6/24

Right Out: 1688.598+/-0.294 χ^2/NDF: 1560394.5/31

Left In: 2265.257+/-0.378 χ^2/NDF:495816.5/22

Left: 2269.543+/-0.264 χ^2/NDF: 1032905.7/47

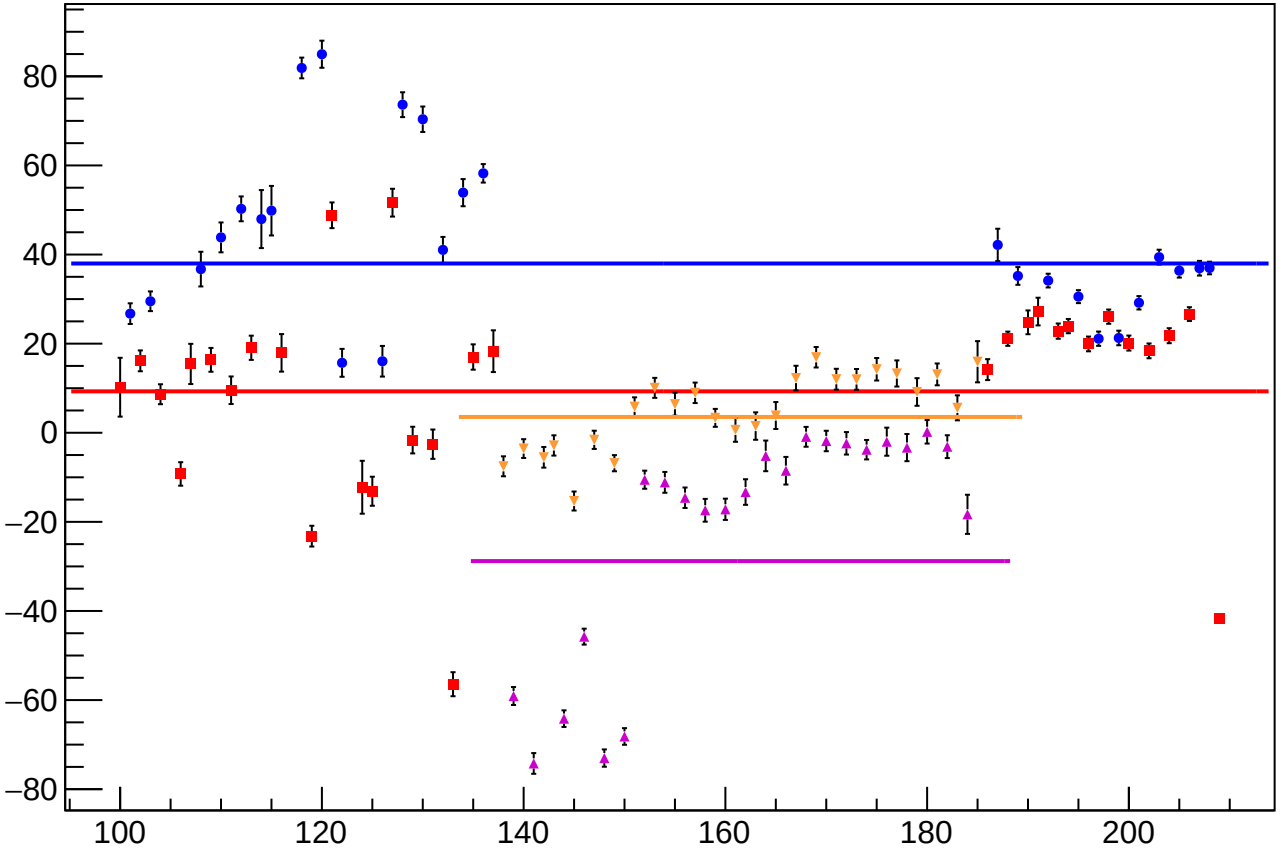
Right: 1694.436+/-0.214 χ^2/NDF: 2888503.7/58

In: 1928.151+/-0.240 χ^2/NDF:3154495.1/49

Out: 1916.552+/-0.230 χ^2/NDF:3637358.1/56

All: 1922.105+/-0.166 χ^2/NDF: 6793072.2/10

diff_bpm0i01aX_mean vs Slug, Sign Corrected



Right In: 37.989+/-0.409 χ^2/NDF: 1457.2/26

Left Out: 3.544+/-0.480 χ^2/NDF:319.8/24

Right Out: 9.292+/-0.387 χ^2/NDF: 4108.4/31

Left In: -28.804+/-0.491 χ^2/NDF:3262.5/22

Left: -12.278+/-0.343 χ^2/NDF: 5801.2/47

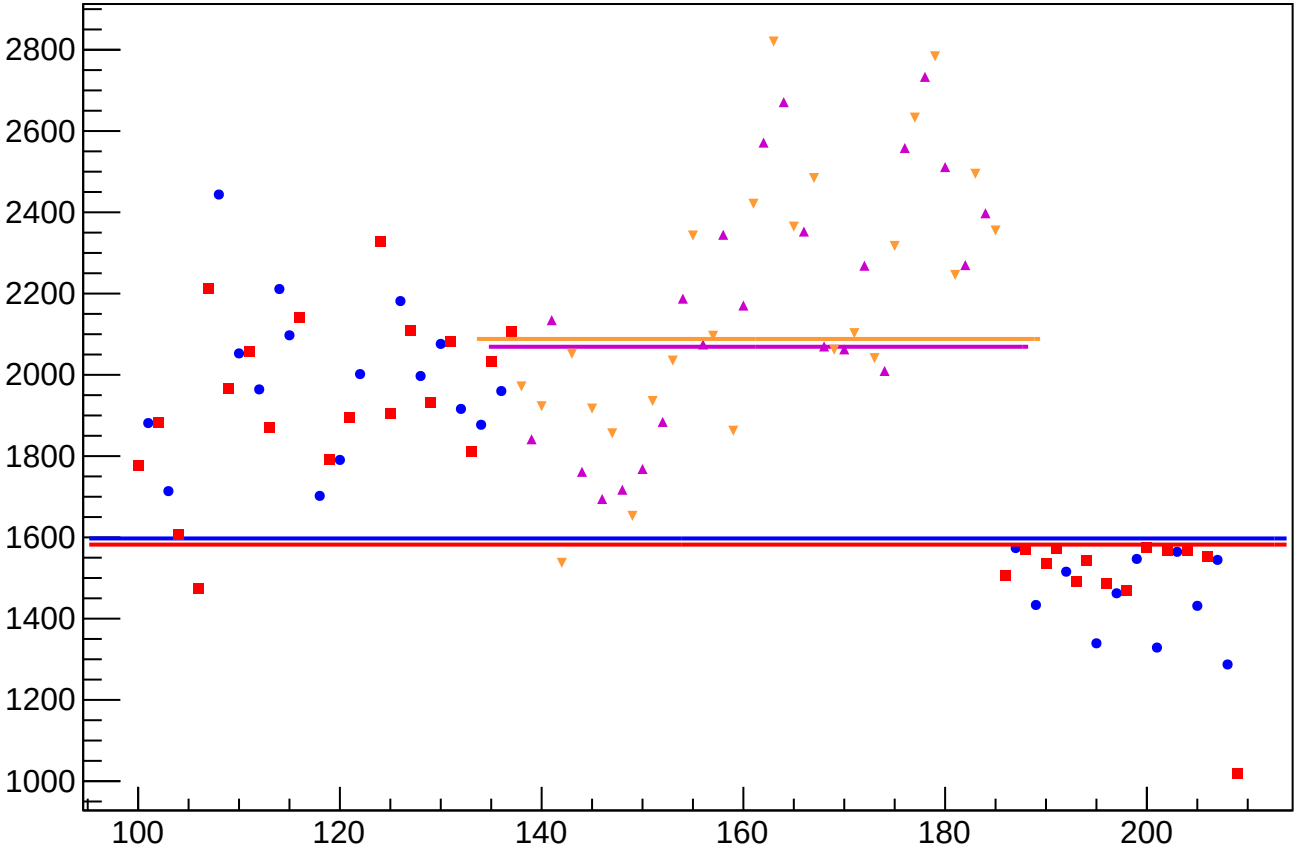
Right: 22.859+/-0.281 χ^2/NDF: 8162.7/58

In: 10.628+/-0.314 χ^2/NDF:15651.1/49

Out: 7.028+/-0.301 χ^2/NDF:4515.0/56

All: 8.753+/-0.218 χ^2/NDF: 20234.4/106

diff_bpm0i01aX_rms vs Slug, Sign Corrected



Right In: 1597.341+/-0.289 χ^2/NDF: 821031.4/26

Left Out: 2088.353+/-0.340 χ^2/NDF:787429.8/24

Right Out: 1582.210+/-0.274 χ^2/NDF: 1074972.2/31

Left In: 2069.116+/-0.347 χ^2/NDF:711501.5/22

Left: 2078.944+/-0.243 χ^2/NDF: 1500500.6/47

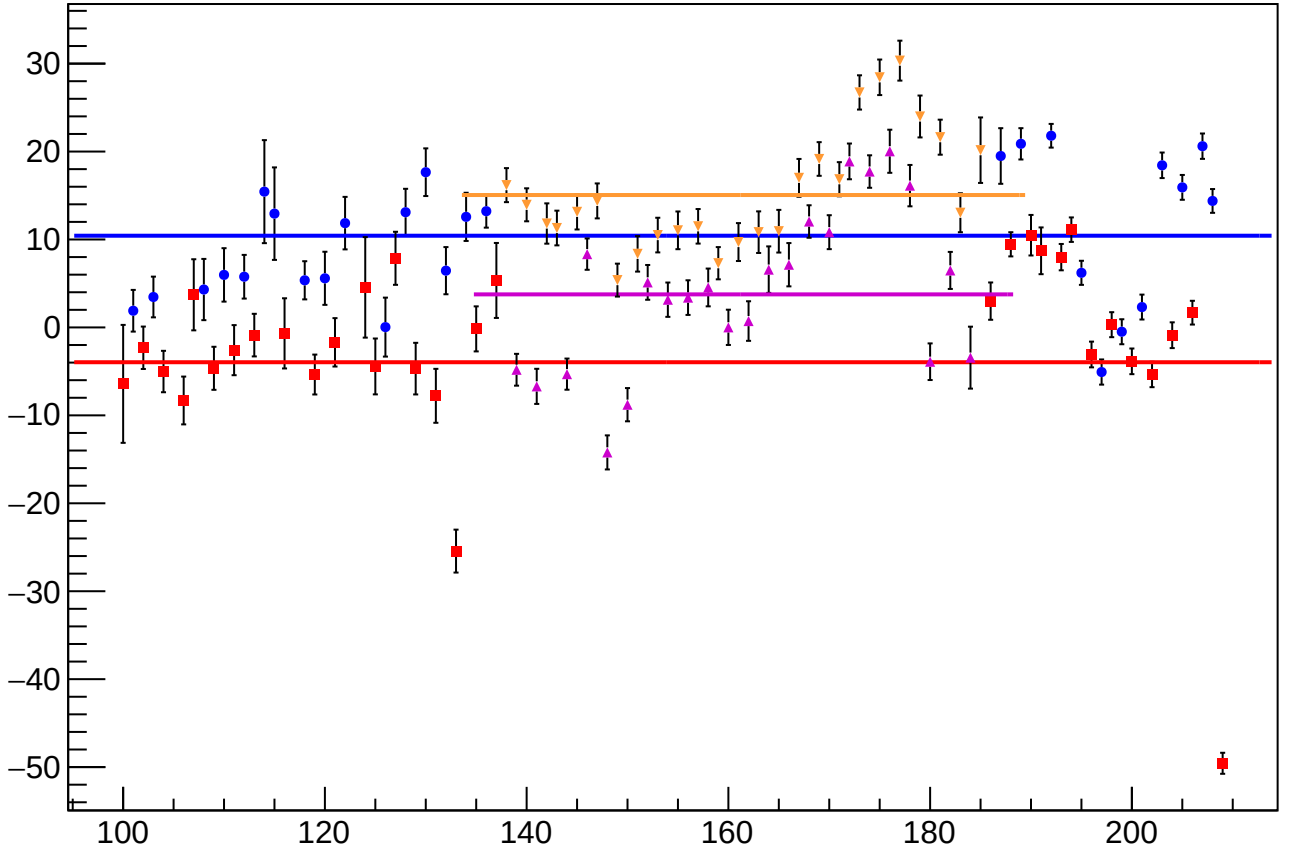
Right: 1589.364+/-0.199 χ^2/NDF: 1897447.6/58

In: 1790.600+/-0.222 χ^2/NDF:2623226.3/49

Out: 1781.586+/-0.213 χ^2/NDF:3208670.4/56

All: 1785.907+/-0.154 χ^2/NDF: 5832754.0/10

diff_bpm0i01aY_mean vs Slug, Sign Corrected



Right In: 10.429+/-0.375 χ^2/NDF: 499.1/26

Left Out: 15.056+/-0.416 χ^2/NDF:246.2/24

Right Out: -3.958+/-0.355 χ^2/NDF: 1950.3/31

Left In: 3.758+/-0.428 χ^2/NDF:459.1/22

Left: 9.570+/-0.298 χ^2/NDF: 1064.0/47

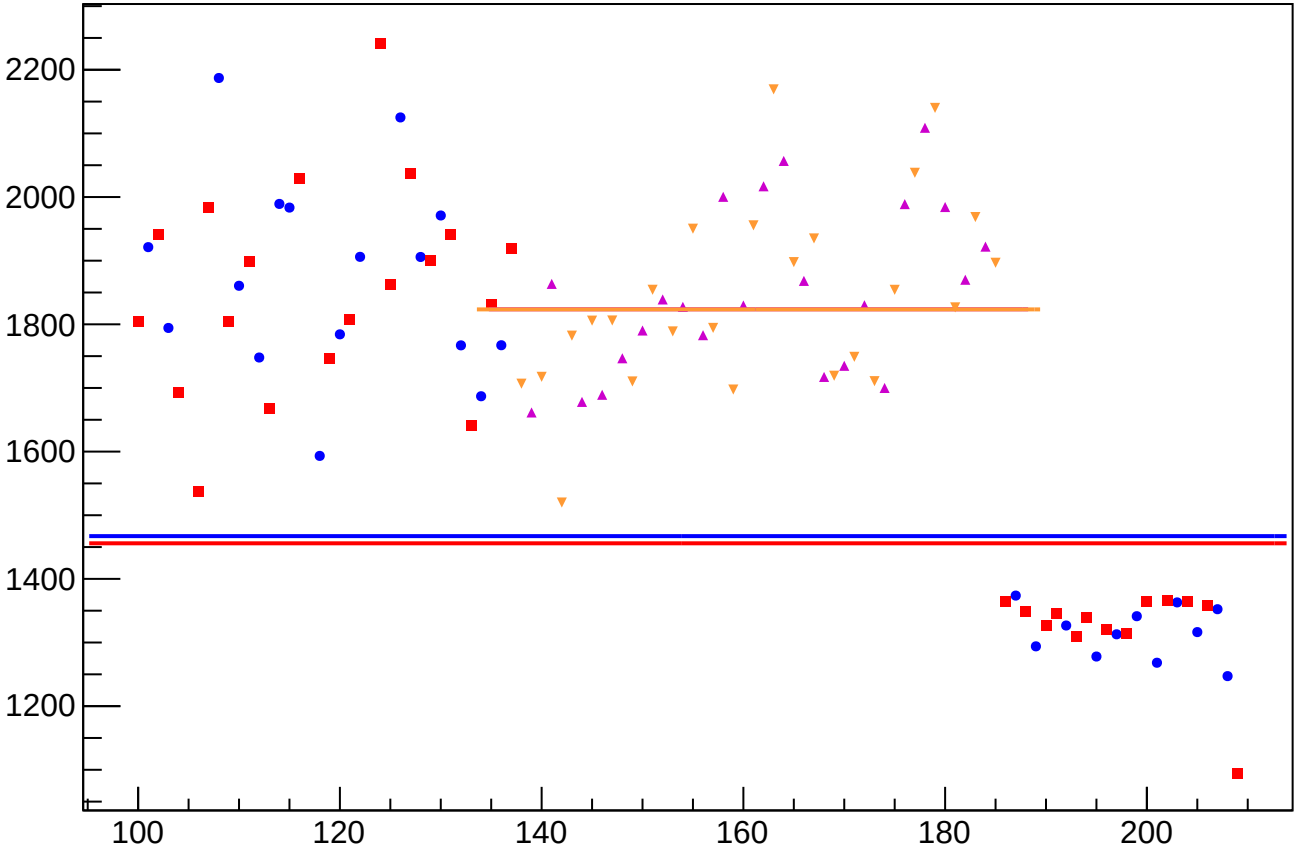
Right: 2.852+/-0.258 χ^2/NDF: 3225.9/58

In: 7.533+/-0.282 χ^2/NDF:1095.8/49

Out: 4.067+/-0.270 χ^2/NDF:3405.7/56

All: 5.726+/-0.195 χ^2/NDF: 4580.4/106

diff_bpm0i01aY_rms vs Slug, Sign Corrected



Right In: 1467.175+/-0.265 χ^2/NDF: 912230.0/26

Left Out: 1823.452+/-0.294 χ^2/NDF:211274.0/24

Right Out: 1455.889+/-0.251 χ^2/NDF: 984577.9/31

Left In: 1823.627+/-0.303 χ^2/NDF:163768.2/22

Left: 1823.537+/-0.211 χ^2/NDF: 375042.4/47

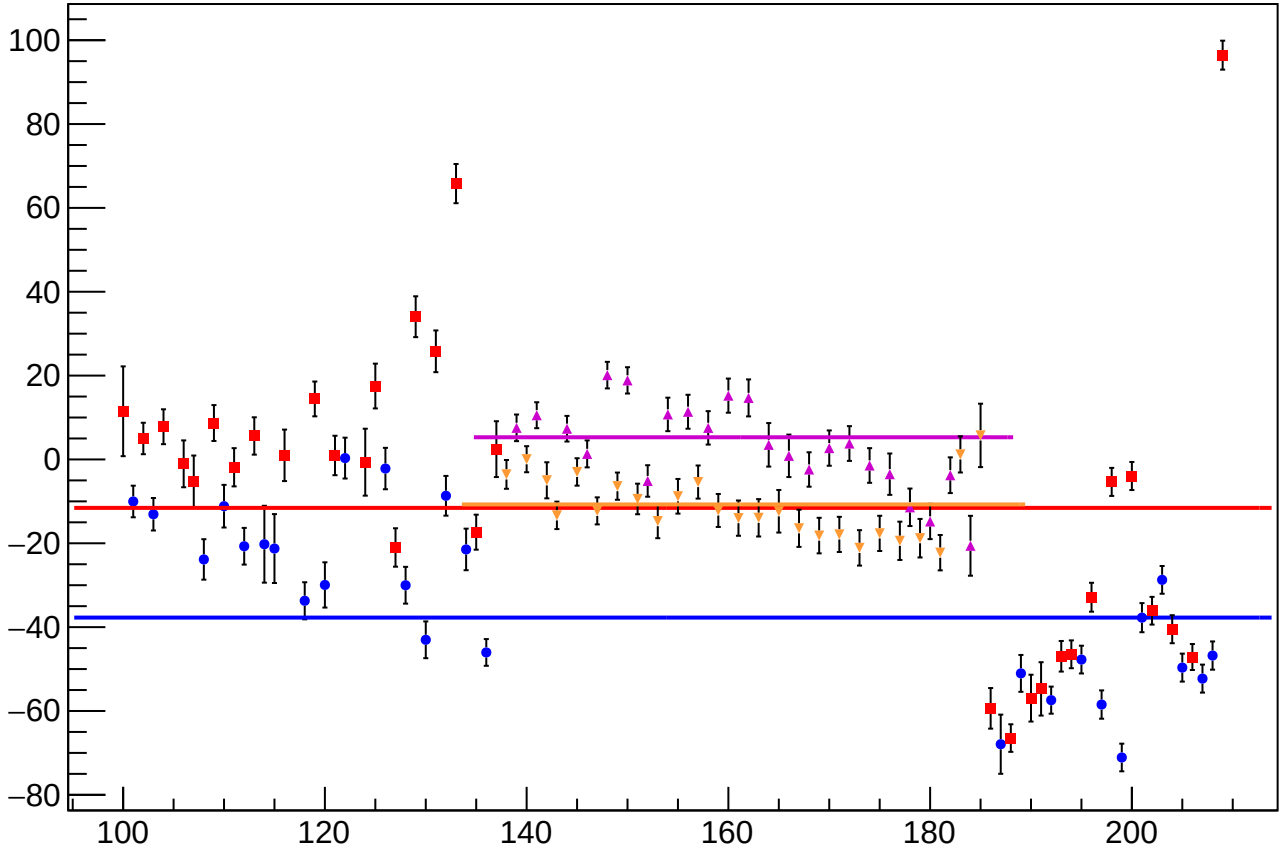
Right: 1461.232+/-0.182 χ^2/NDF: 1897763.7/58

In: 1621.894+/-0.199 χ^2/NDF:1861749.3/49

Out: 1611.019+/-0.191 χ^2/NDF:2099602.8/56

All: 1616.224+/-0.138 χ^2/NDF: 3962904.5/10

diff_bpm0l01X_mean vs Slug, Sign Corrected



Right In: -37.721+/-0.782 χ^2/NDF: 588.6/26

Left Out: -10.732+/-0.794 χ^2/NDF:73.8/24

Right Out: -11.556+/-0.751 χ^2/NDF: 2580.2/31

Left In: 5.291+/-0.814 χ^2/NDF:133.6/22

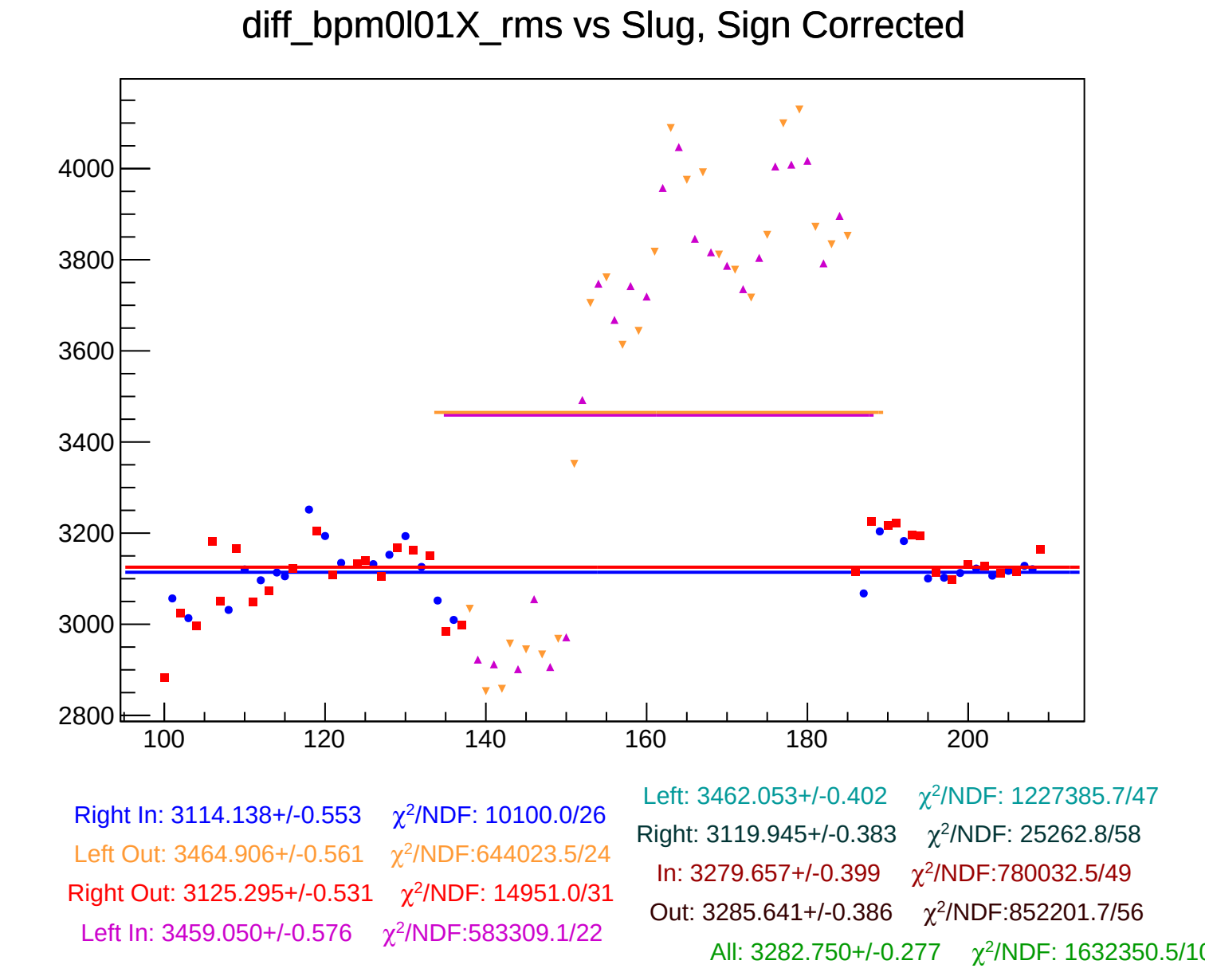
Left: -2.925+/-0.568 χ^2/NDF: 405.9/47

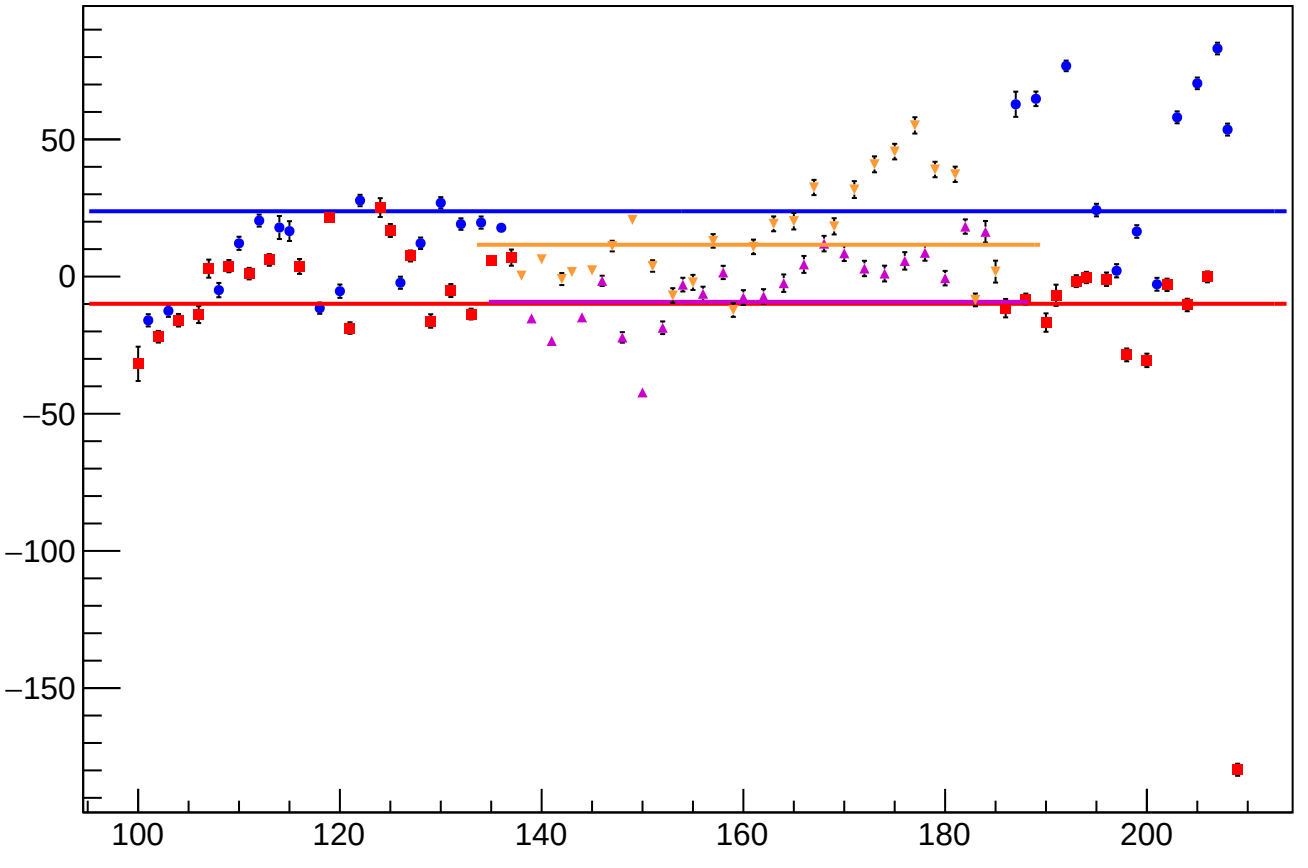
Right: -24.102+/-0.542 χ^2/NDF: 3751.1/58

In: -17.080+/-0.564 χ^2/NDF:2173.2/49

Out: -11.167+/-0.545 χ^2/NDF:2654.5/56

All: -14.024+/-0.392 χ^2/NDF: 4884.5/106


diff_bpm0l01X_rms vs Slug, Sign Corrected
4000
3800
3600
3400
3200
3000
2800
100
120
140
160
180
200
Right In: 3114.138+/-0.553 χ²/NDF: 10100.0/26
Left Out: 3464.906+/-0.561 χ²/NDF:644023.5/24
Right Out: 3125.295+/-0.531 χ²/NDF: 14951.0/31
Left In: 3459.050+/-0.576 χ²/NDF:583309.1/22
Left: 3462.053+/-0.402 χ²/NDF: 1227385.7/47
Right: 3119.945+/-0.383 χ²/NDF: 25262.8/58
In: 3279.657+/-0.399 χ²/NDF:780032.5/49
Out: 3285.641+/-0.386 χ²/NDF:852201.7/56
All: 3282.750+/-0.277 χ²/NDF: 1632350.5/10



Right In: 23.807+/-0.428 χ^2/NDF: 4354.7/26

Left Out: 11.599+/-0.463 χ^2/NDF:1196.9/24

Right Out: -9.925+/-0.415 χ^2/NDF: 7127.7/31

Left In: -9.213+/-0.484 χ^2/NDF:940.6/22

Left: 1.641+/-0.335 χ^2/NDF: 3102.6/47

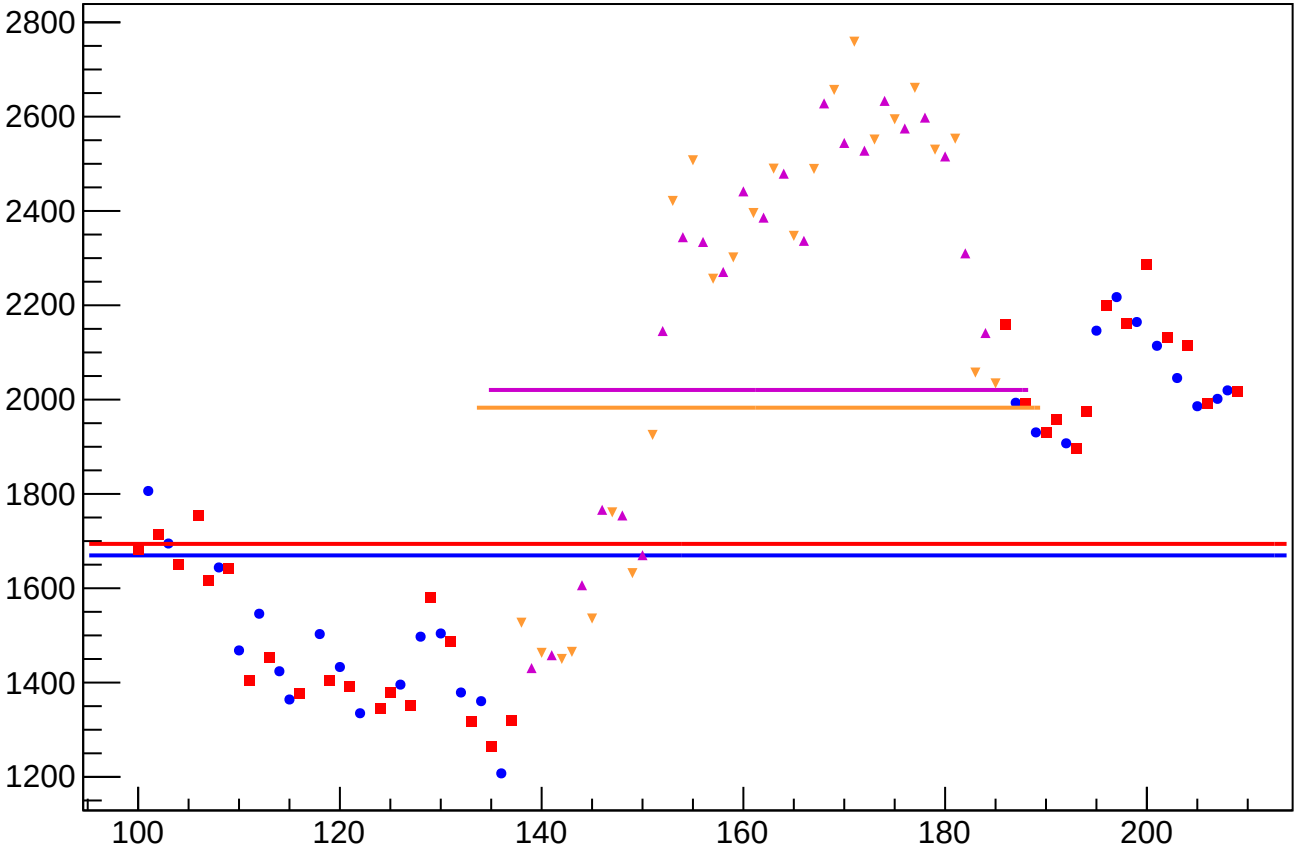
Right: 6.421+/-0.298 χ^2/NDF: 14685.3/58

In: 9.314+/-0.321 χ^2/NDF:7908.9/49

Out: -0.348+/-0.309 χ^2/NDF:9522.1/56

All: 4.308+/-0.223 χ^2/NDF: 17901.7/106

diff_bpm0l01Y_rms vs Slug, Sign Corrected



Right In: 1669.656+/-0.303 χ^2/NDF: 1143319.3/26

Left Out: 1982.871+/-0.328 χ^2/NDF:1977669.4/24

Right Out: 1694.064+/-0.293 χ^2/NDF: 1214849.6/31

Left In: 2020.468+/-0.342 χ^2/NDF:1614691.2/22

Left: 2000.860+/-0.237 χ^2/NDF: 3598659.4/47

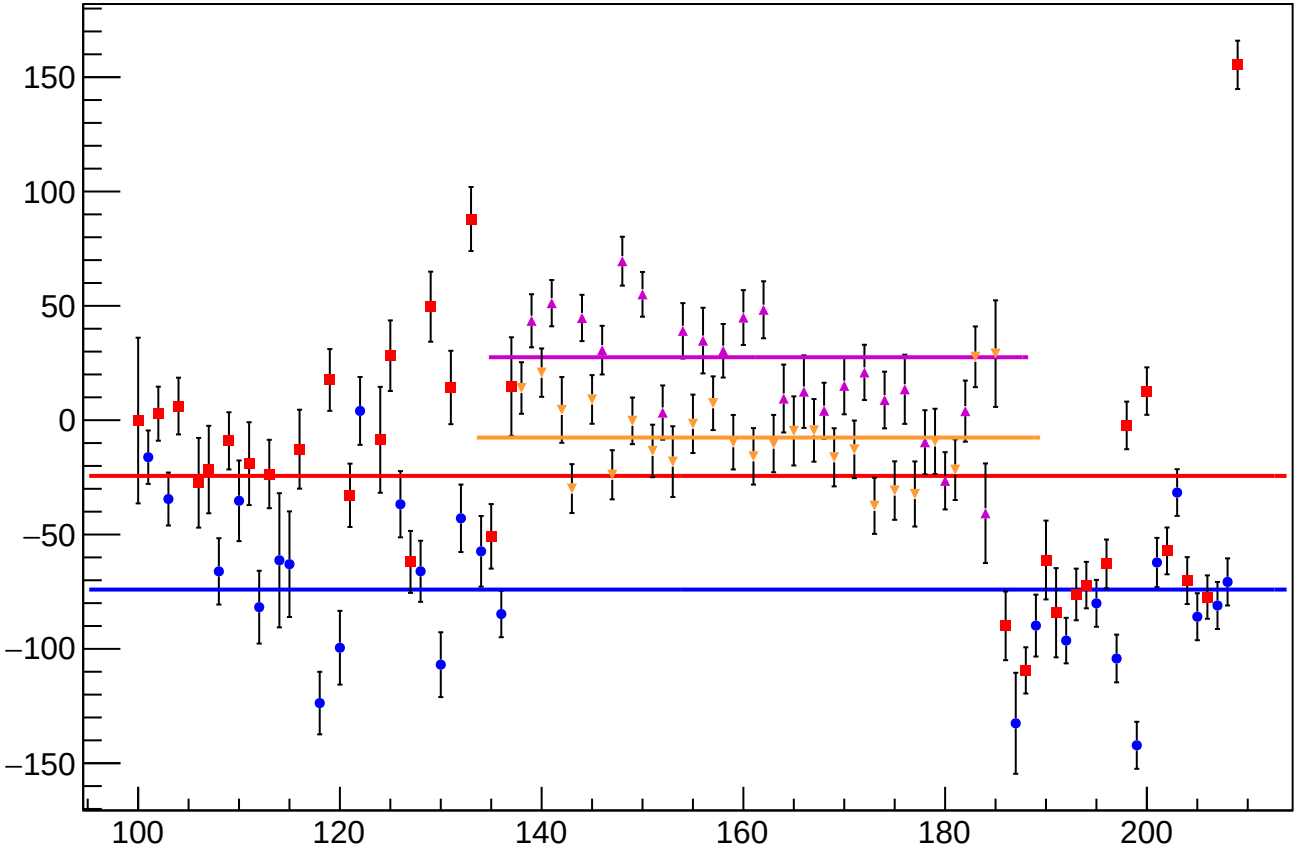
Right: 1682.237+/-0.211 χ^2/NDF: 2361522.4/58

In: 1823.639+/-0.227 χ^2/NDF:3347997.2/49

Out: 1822.570+/-0.219 χ^2/NDF:3623673.9/56

All: 1823.085+/-0.157 χ^2/NDF: 6971682.7/10

diff_bpm0l02X_mean vs Slug, Sign Corrected



Right In: -74.067+/-2.428 χ^2/NDF: 190.8/26

Left Out: -7.594+/-2.495 χ^2/NDF:47.9/24

Right Out: -24.362+/-2.332 χ^2/NDF: 672.3/31

Left In: 27.528+/-2.556 χ^2/NDF:93.0/22

Left: 9.540+/-1.786 χ^2/NDF: 237.6/47

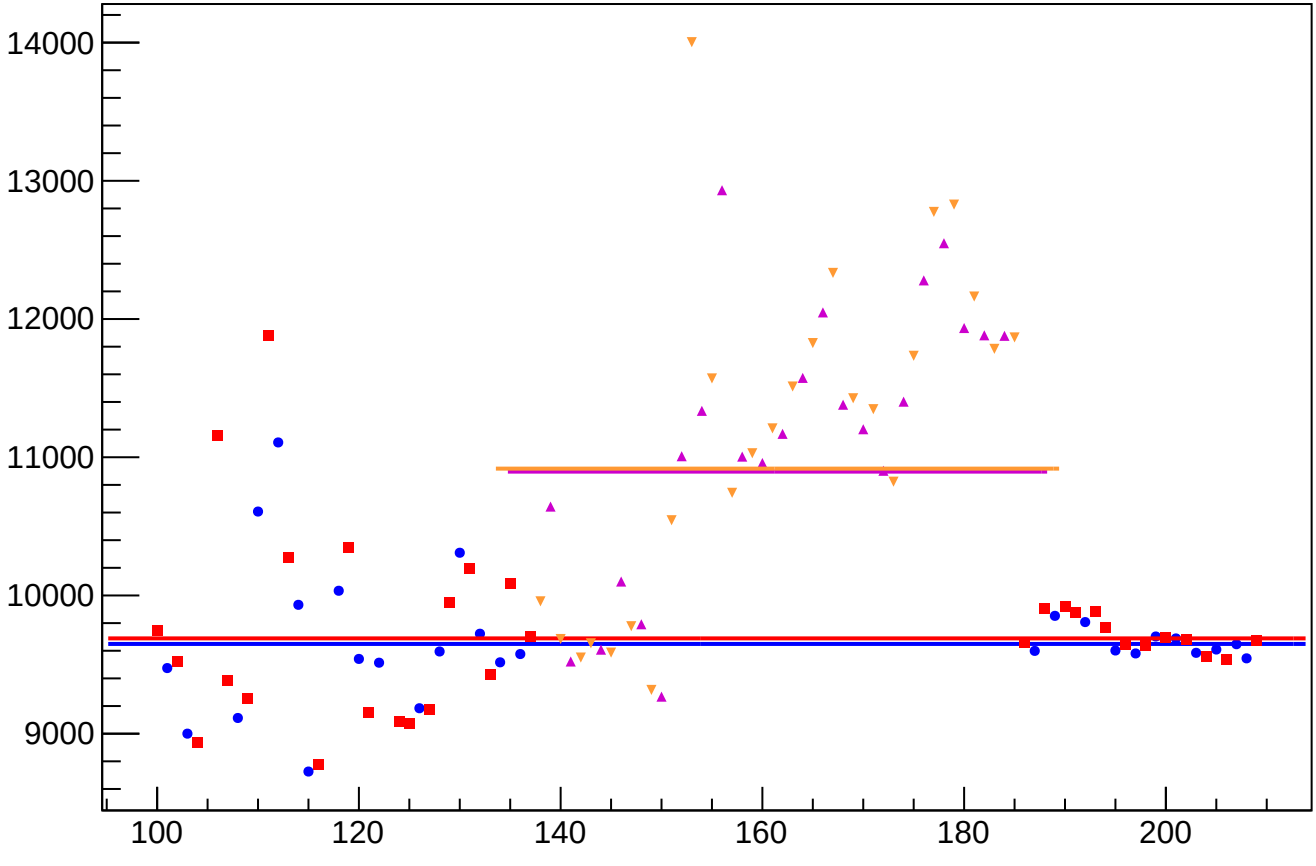
Right: -48.216+/-1.682 χ^2/NDF: 1081.1/58

In: -25.888+/-1.761 χ^2/NDF:1114.2/49

Out: -16.543+/-1.704 χ^2/NDF:744.3/56

All: -21.062+/-1.224 χ^2/NDF: 1873.0/106

diff_bpm0l02X_rms vs Slug, Sign Corrected



Right In: 9649.295+/-1.717 χ^2/NDF: 45599.4/26

Left Out: 10917.711+/-1.764 χ^2/NDF:425841.1/24

Right Out: 9689.451+/-1.649 χ^2/NDF: 83042.5/31

Left In: 10895.992+/-1.808 χ^2/NDF:298059.2/22

Left: 10907.115+/-1.263 χ^2/NDF: 723974.2/47

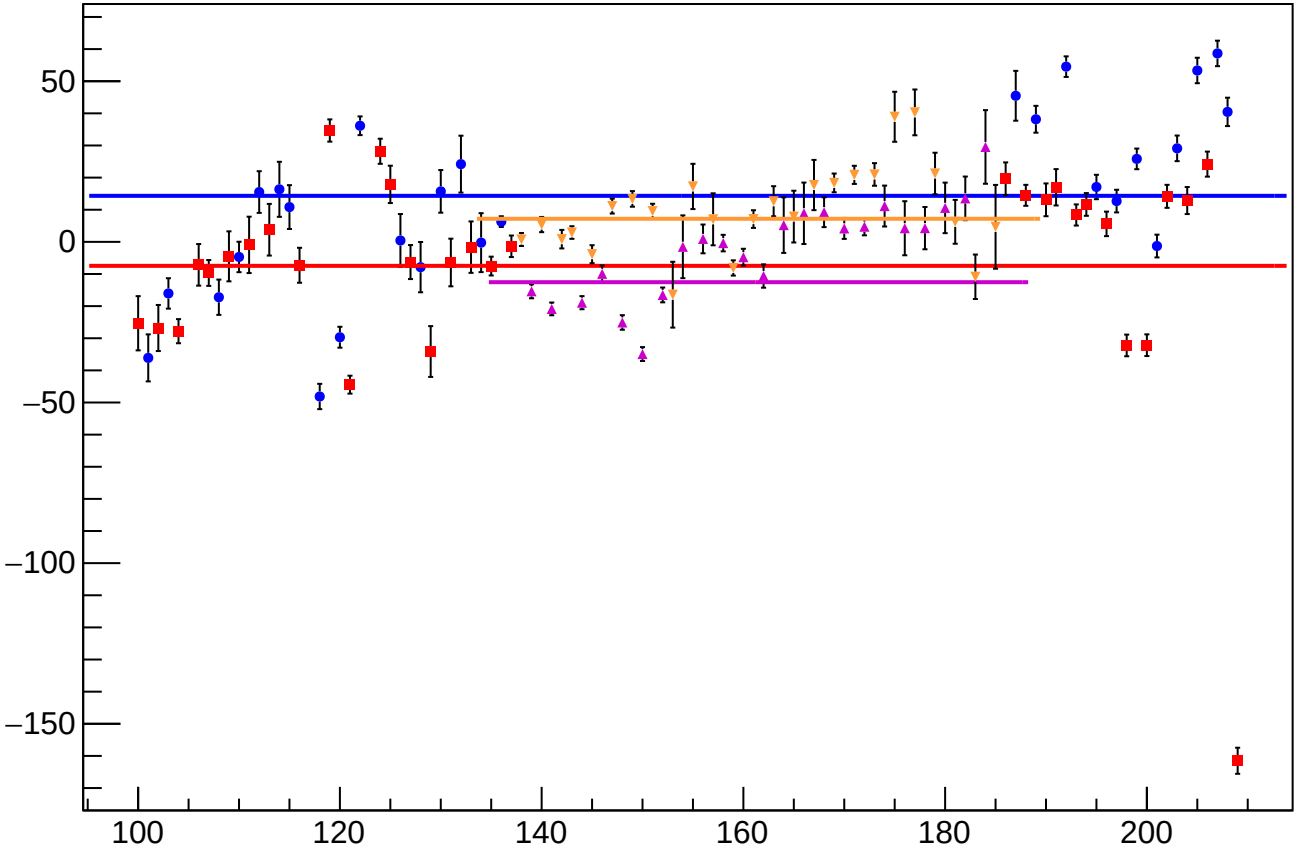
Right: 9670.180+/-1.189 χ^2/NDF: 128926.4/58

In: 10240.521+/-1.245 χ^2/NDF:593728.4/49

Out: 10262.203+/-1.205 χ^2/NDF:767551.4/56

All: 10251.717+/-0.866 χ^2/NDF: 1361436.4/1

diff_bpm0l02Y_mean vs Slug, Sign Corrected



Right In: 14.329+/-0.778 χ^2/NDF: 1176.8/26

Left Out: 7.185+/-0.654 χ^2/NDF:201.7/24

Right Out: -7.461+/-0.756 χ^2/NDF: 2331.6/31

Left In: -12.553+/-0.661 χ^2/NDF:372.1/22

Left: -2.580+/-0.465 χ^2/NDF: 1025.0/47

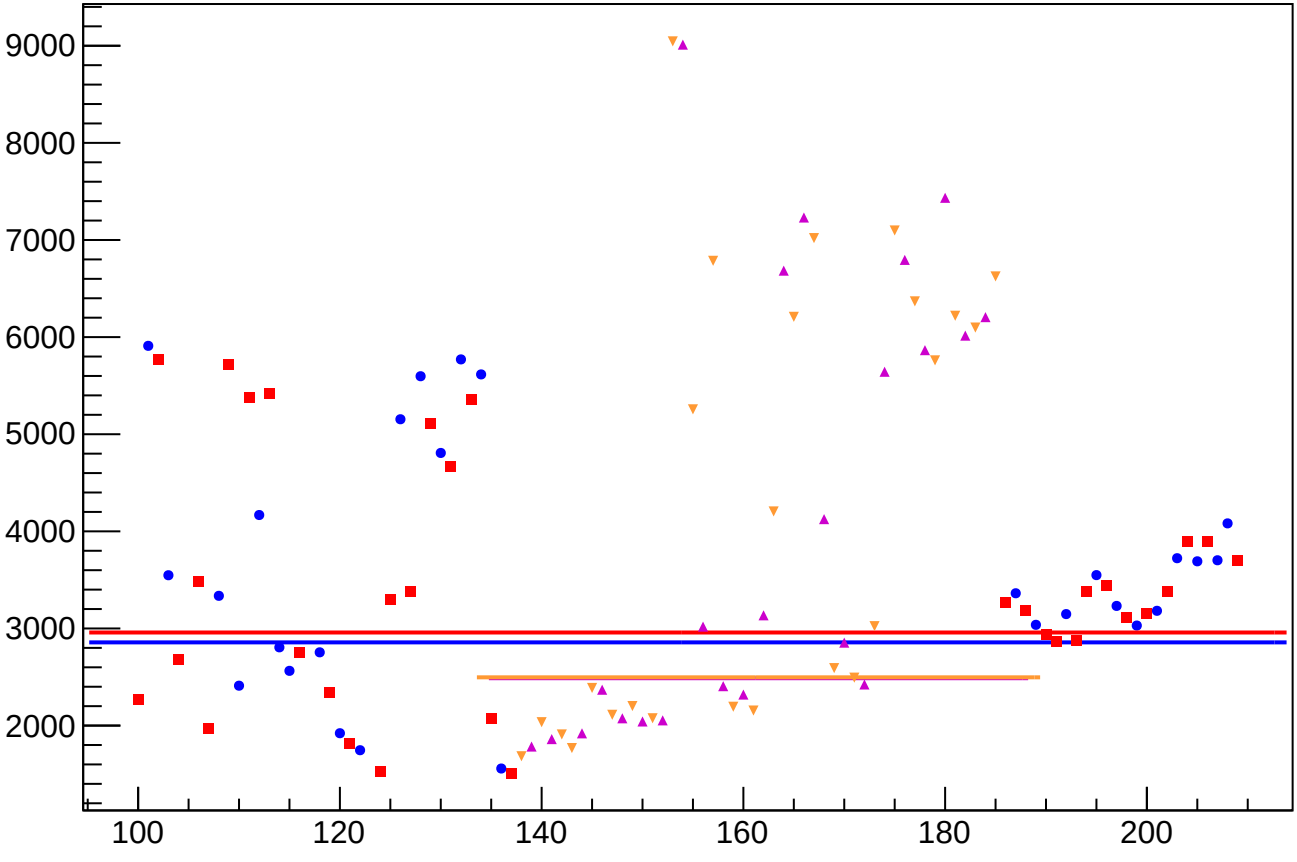
Right: 3.134+/-0.542 χ^2/NDF: 3911.8/58

In: -1.285+/-0.503 χ^2/NDF:2243.1/49

Out: 0.924+/-0.495 χ^2/NDF:2747.9/56

All: -0.161+/-0.353 χ^2/NDF: 5000.8/106

diff_bpm0l02Y_rms vs Slug, Sign Corrected



Right In: 2856.696+/-0.550 χ^2/NDF: 3720189.6/26

Left Out: 2496.801+/-0.462 χ^2/NDF:7205827.8/24

Right Out: 2958.457+/-0.535 χ^2/NDF: 3141150.5/31

Left In: 2487.721+/-0.467 χ^2/NDF:6103466.5/22

Left: 2492.309+/-0.329 χ^2/NDF: 13309485.2/47

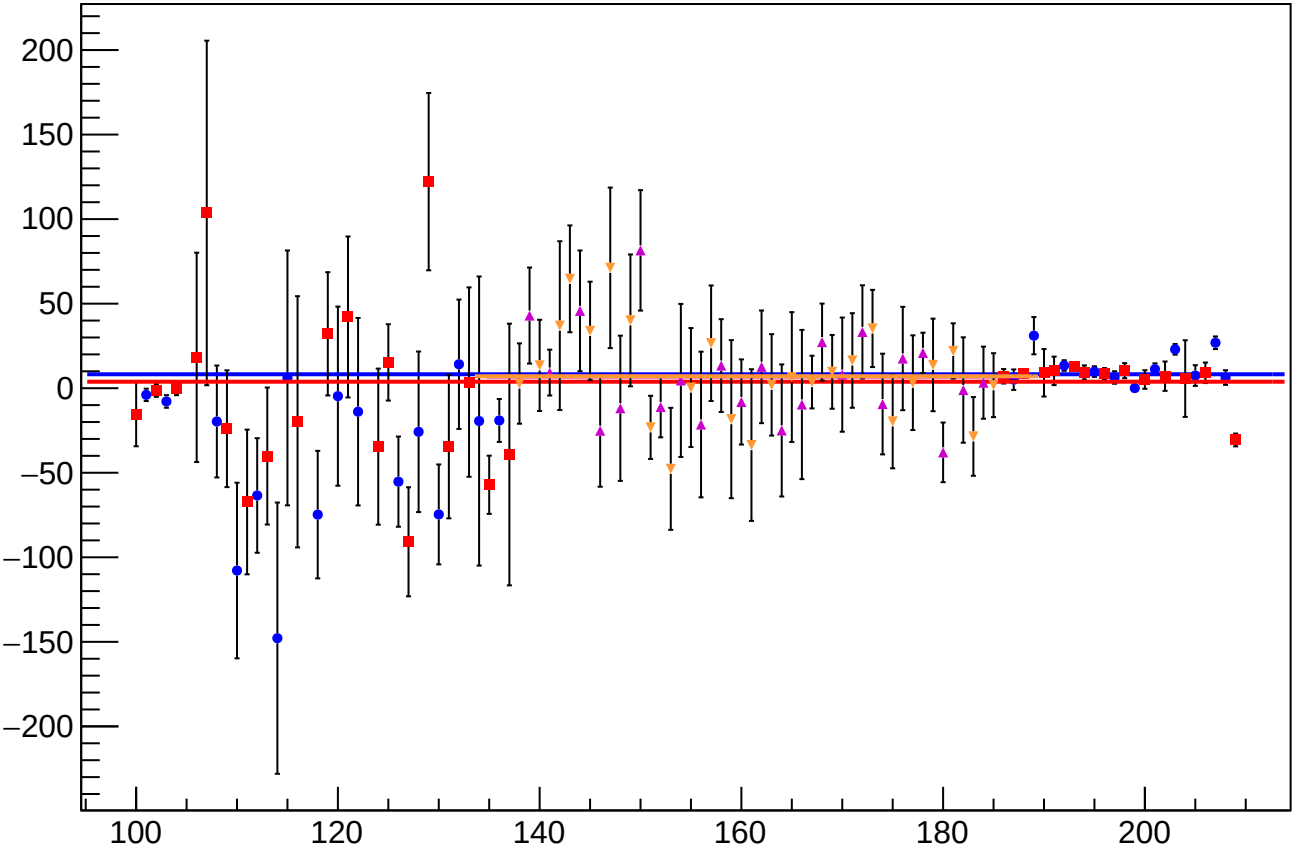
Right: 2908.978+/-0.383 χ^2/NDF: 6878940.1/58

In: 2642.382+/-0.356 χ^2/NDF:10085246.9/49

Out: 2694.152+/-0.350 χ^2/NDF:10773489.8/56

All: 2668.725+/-0.249 χ^2/NDF: 20869500.0/1

diff_bpm0l03X_mean vs Slug, Sign Corrected



Right In: 8.245+/-1.040 χ^2/NDF: 130.7/26

Left Out: 7.059+/-5.227 χ^2/NDF:19.6/24

Right Out: 3.841+/-1.110 χ^2/NDF: 143.0/31

Left In: 6.944+/-5.090 χ^2/NDF:21.1/22

Left: 7.000+/-3.647 χ^2/NDF: 40.7/47

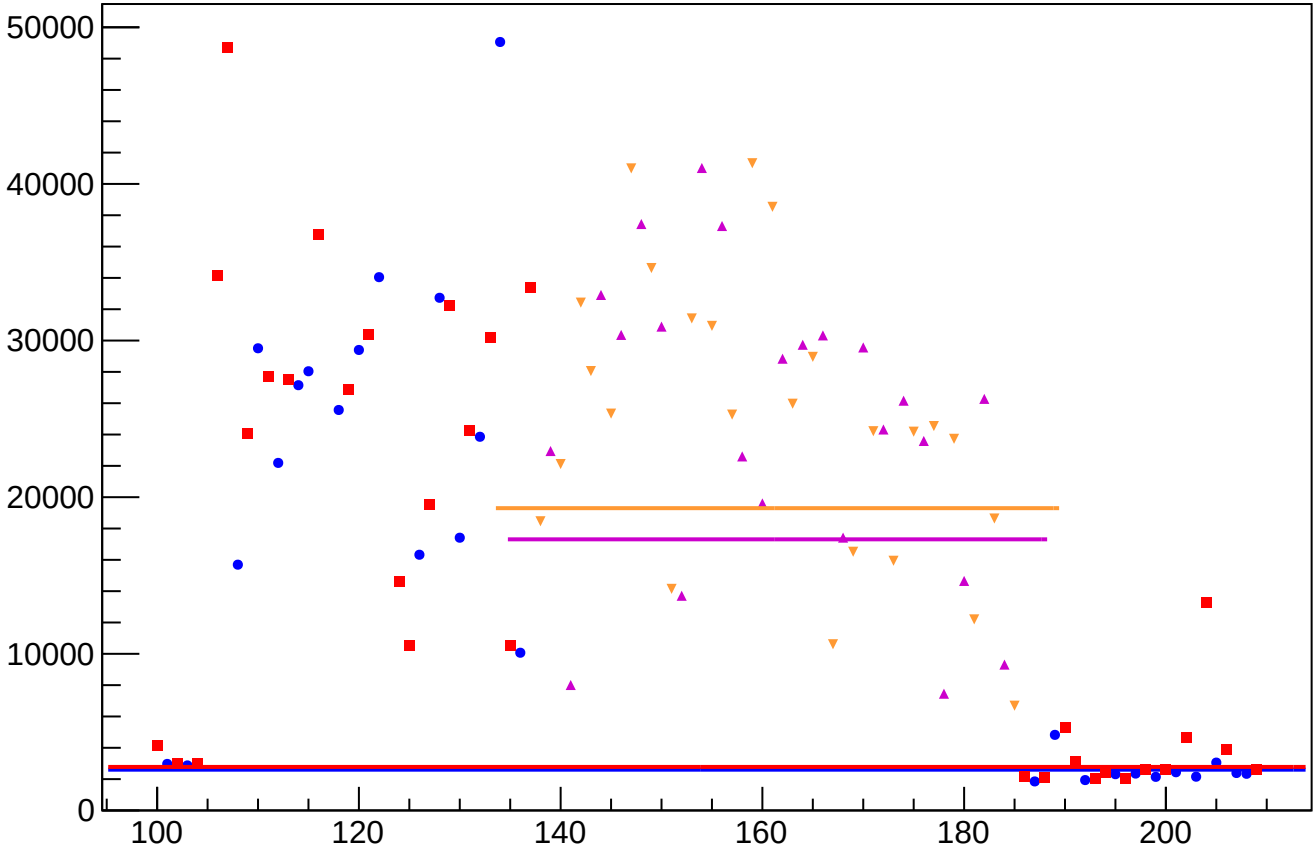
Right: 6.187+/-0.759 χ^2/NDF: 282.1/58

In: 8.193+/-1.019 χ^2/NDF:151.9/49

Out: 3.979+/-1.086 χ^2/NDF:163.0/56

All: 6.220+/-0.743 χ^2/NDF: 322.9/106

diff_bpm0l03X_rms vs Slug, Sign Corrected



Right In: 2604.007+/-0.735 χ^2/NDF: 7944713.4/26

Left Out: 19299.351+/-3.696 χ^2/NDF:5037014.9/24

Right Out: 2778.787+/-0.785 χ^2/NDF: 9406656.6/31

Left In: 17309.081+/-3.600 χ^2/NDF:6719993.9/22

Left: 18277.793+/-2.579 χ^2/NDF: 11905813.9/47

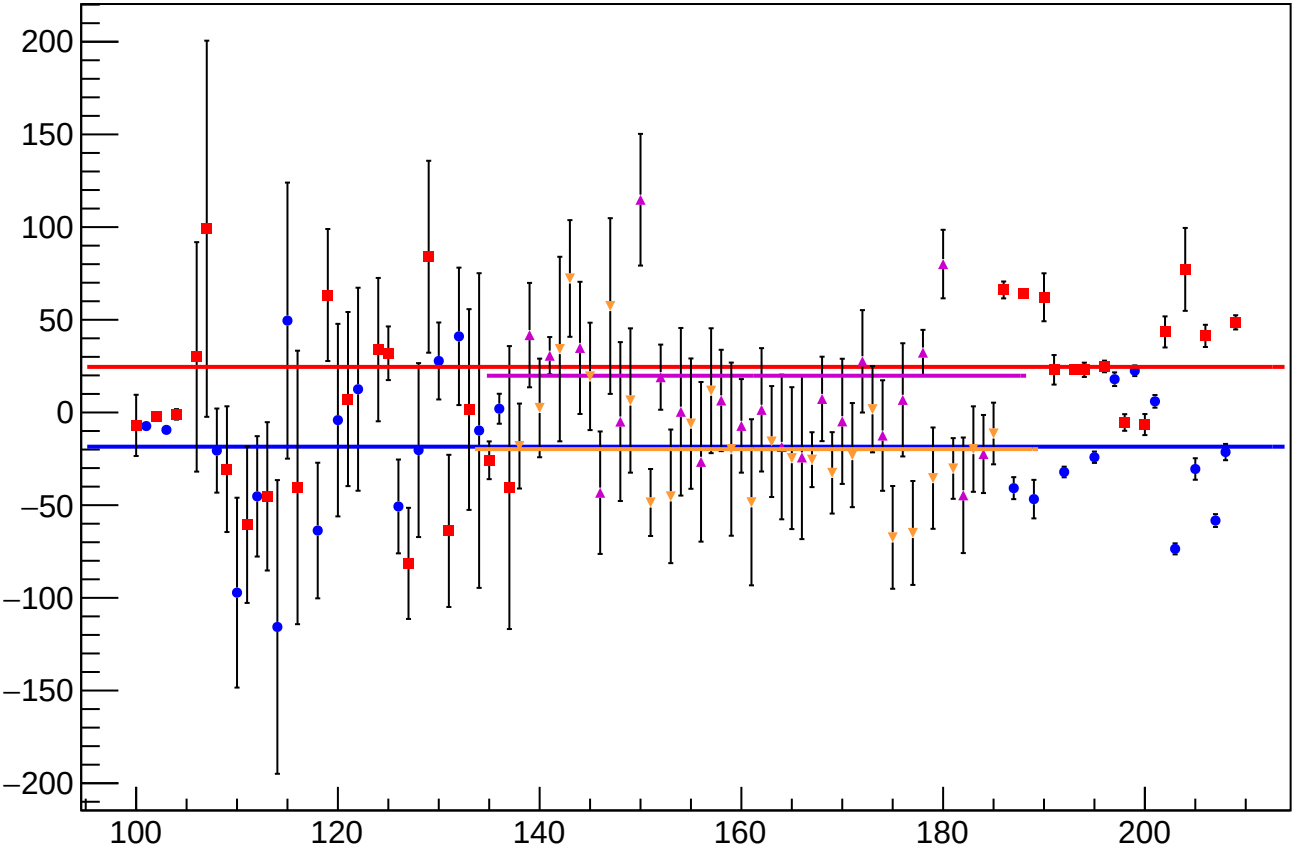
Right: 2685.685+/-0.537 χ^2/NDF: 17377771.3/58

In: 3193.115+/-0.720 χ^2/NDF:30685683.2/49

Out: 3491.856+/-0.768 χ^2/NDF:33556759.6/56

All: 3332.963+/-0.525 χ^2/NDF: 64322931.7/

diff_bpm0l03Y_mean vs Slug, Sign Corrected



Right In: -18.453+/-0.928 χ^2/NDF: 932.2/26

Left Out: -19.769+/-5.117 χ^2/NDF:27.8/24

Right Out: 24.592+/-0.987 χ^2/NDF: 717.7/31

Left In: 19.822+/-4.846 χ^2/NDF:40.3/22

Left: 1.103+/-3.518 χ^2/NDF: 99.6/47

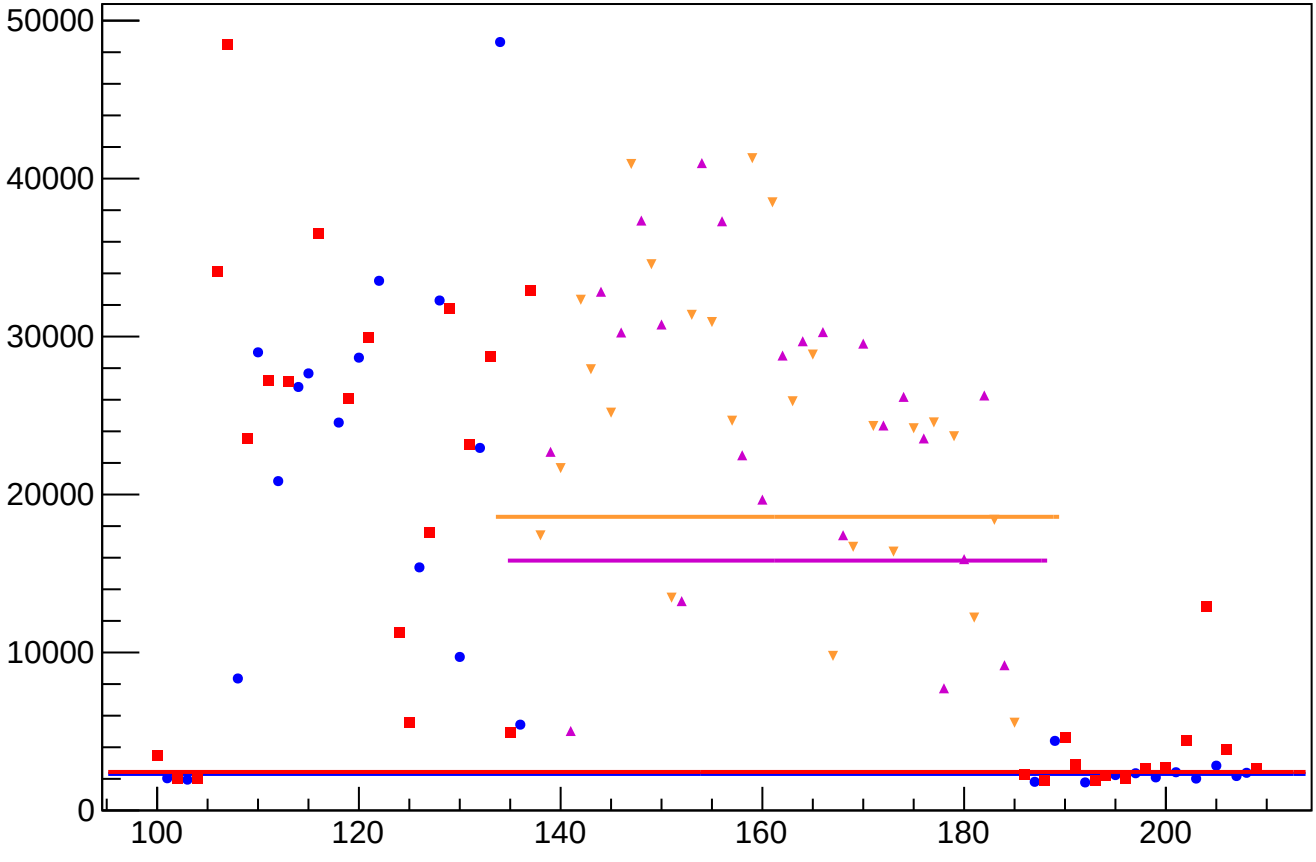
Right: 1.744+/-0.676 χ^2/NDF: 2658.7/58

In: -17.098+/-0.912 χ^2/NDF:1032.6/49

Out: 23.000+/-0.969 χ^2/NDF:818.0/56

All: 1.722+/-0.664 χ^2/NDF: 2758.4/106

diff_bpm0l03Y_rms vs Slug, Sign Corrected



Right In: 2311.785+/-0.656 χ^2/NDF: 7067126.3/26

Left Out: 18589.195+/-3.618 χ^2/NDF:5698567.3/24

Right Out: 2437.682+/-0.698 χ^2/NDF: 9016514.3/31

Left In: 15817.655+/-3.426 χ^2/NDF:8406830.8/22

Left: 17128.048+/-2.488 χ^2/NDF: 14414756.2/47

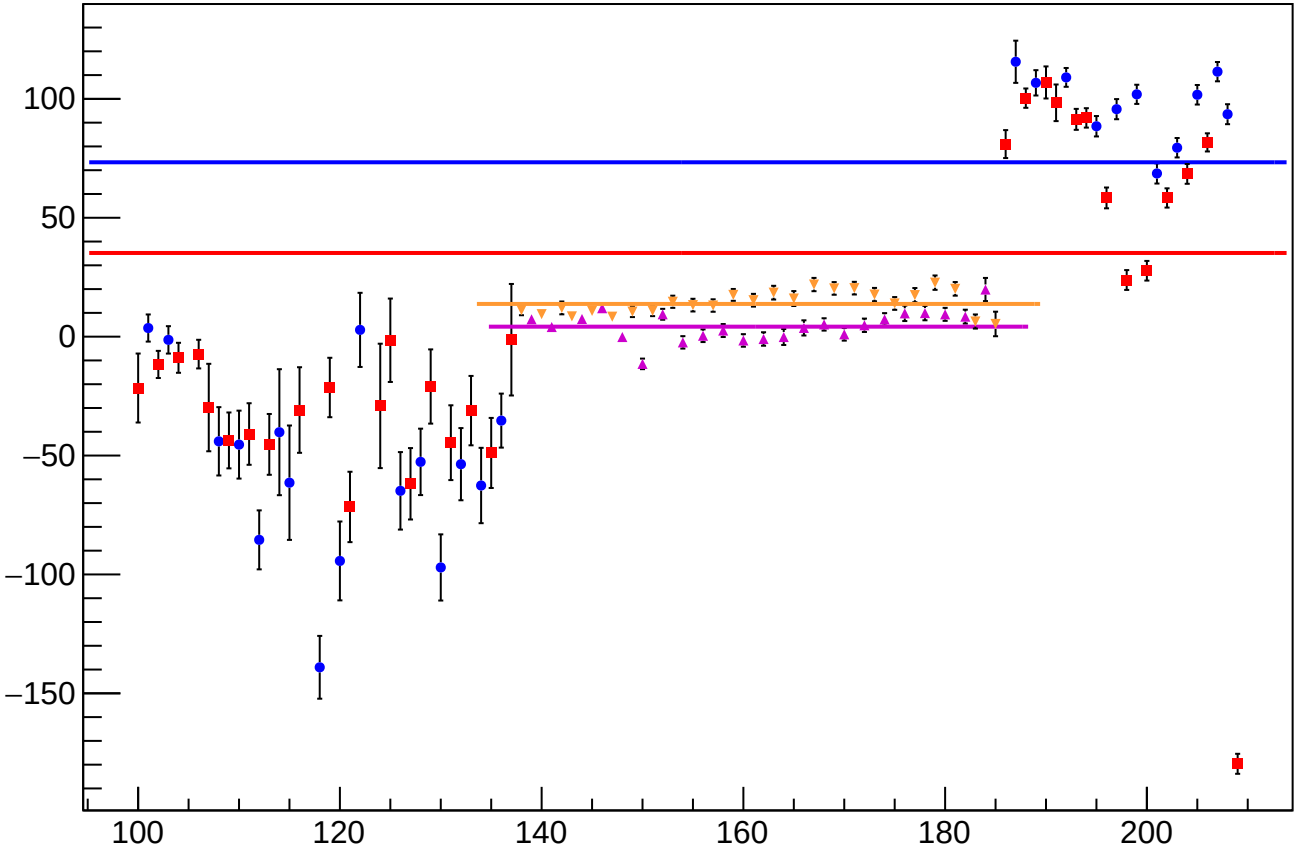
Right: 2370.857+/-0.478 χ^2/NDF: 16100899.7/58

In: 2789.959+/-0.645 χ^2/NDF:30461447.6/49

Out: 3017.530+/-0.686 χ^2/NDF:33928075.5/56

All: 2896.767+/-0.470 χ^2/NDF: 64448001.5/

diff_bpm0l04X_mean vs Slug, Sign Corrected



Right In: 73.333+/-1.196 χ^2/NDF: 1982.5/26

Left Out: 13.761+/-0.514 χ^2/NDF:77.2/24

Right Out: 35.195+/-1.114 χ^2/NDF: 4293.1/31

Left In: 4.202+/-0.530 χ^2/NDF:123.9/22

Left: 9.129+/-0.369 χ^2/NDF: 368.8/47

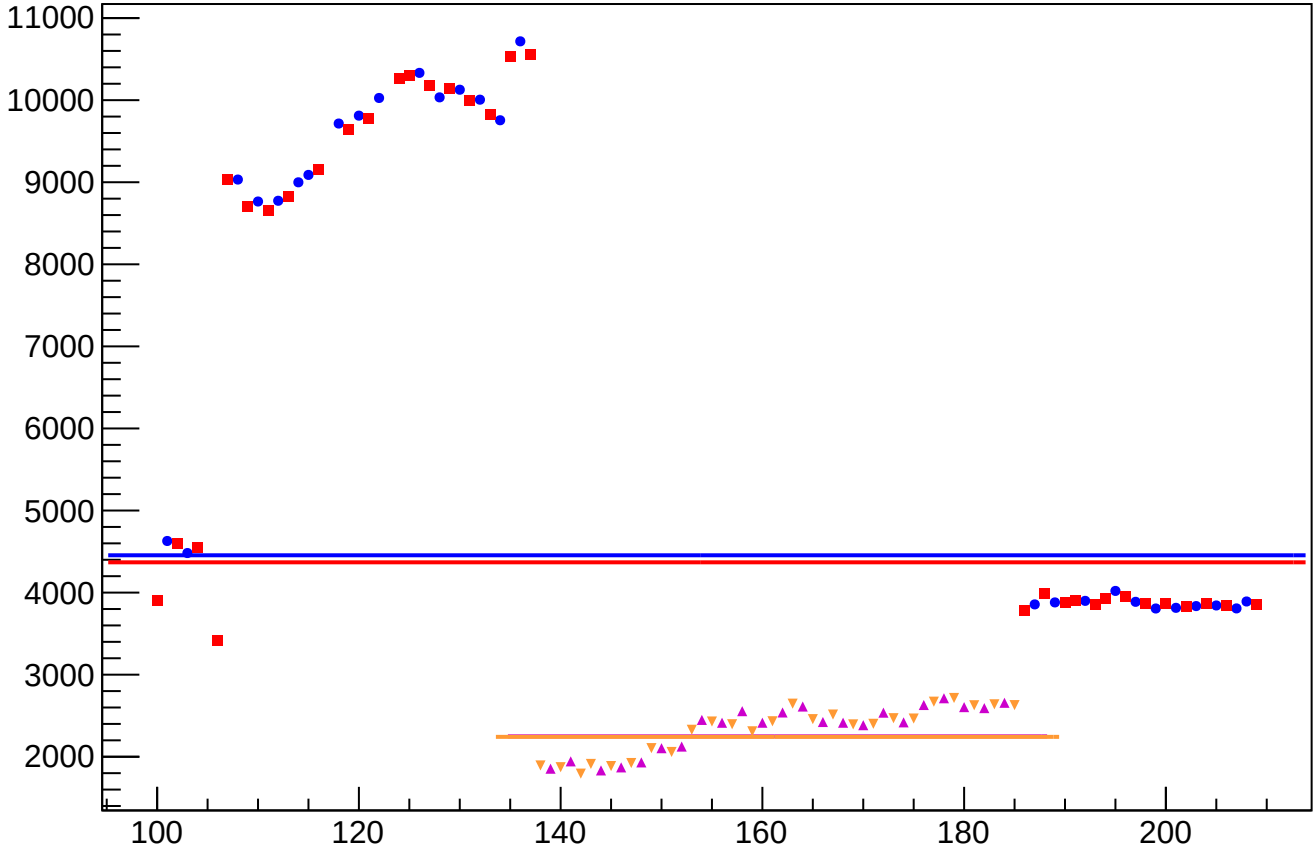
Right: 52.920+/-0.815 χ^2/NDF: 6820.0/58

In: 15.553+/-0.485 χ^2/NDF:4899.2/49

Out: 17.521+/-0.467 χ^2/NDF:4675.4/56

All: 16.574+/-0.336 χ^2/NDF: 9583.2/106

diff_bpm0l04X_rms vs Slug, Sign Corrected



Right In: 4454.730+/-0.846 χ^2/NDF: 3957606.1/26

Left Out: 2242.334+/-0.363 χ^2/NDF:657865.5/24

Right Out: 4368.911+/-0.788 χ^2/NDF: 3929504.5/31

Left In: 2248.582+/-0.375 χ^2/NDF:642255.3/22

Left: 2245.362+/-0.261 χ^2/NDF: 1300264.0/47

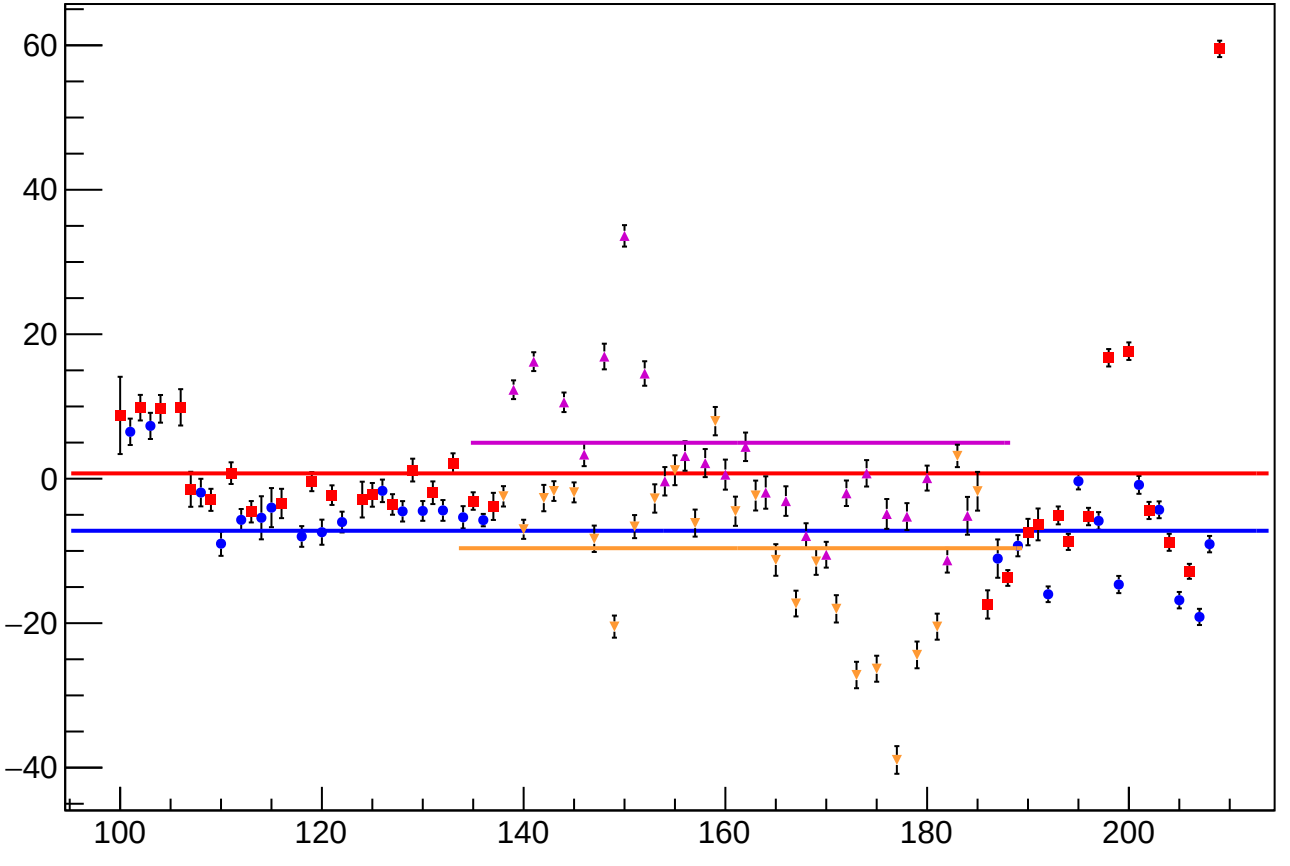
Right: 4408.798+/-0.577 χ^2/NDF: 7892622.8/58

In: 2610.817+/-0.343 χ^2/NDF:10288322.6/49

Out: 2615.358+/-0.330 χ^2/NDF:10592372.9/56

All: 2613.172+/-0.238 χ^2/NDF: 20880786.6/1

diff_bpm0l04Y_mean vs Slug, Sign Corrected



Right In: -7.208+/-0.265 χ^2/NDF: 527.9/26

Left Out: -9.622+/-0.349 χ^2/NDF:934.3/24

Right Out: 0.735+/-0.256 χ^2/NDF: 3841.4/31

Left In: 4.974+/-0.365 χ^2/NDF:929.8/22

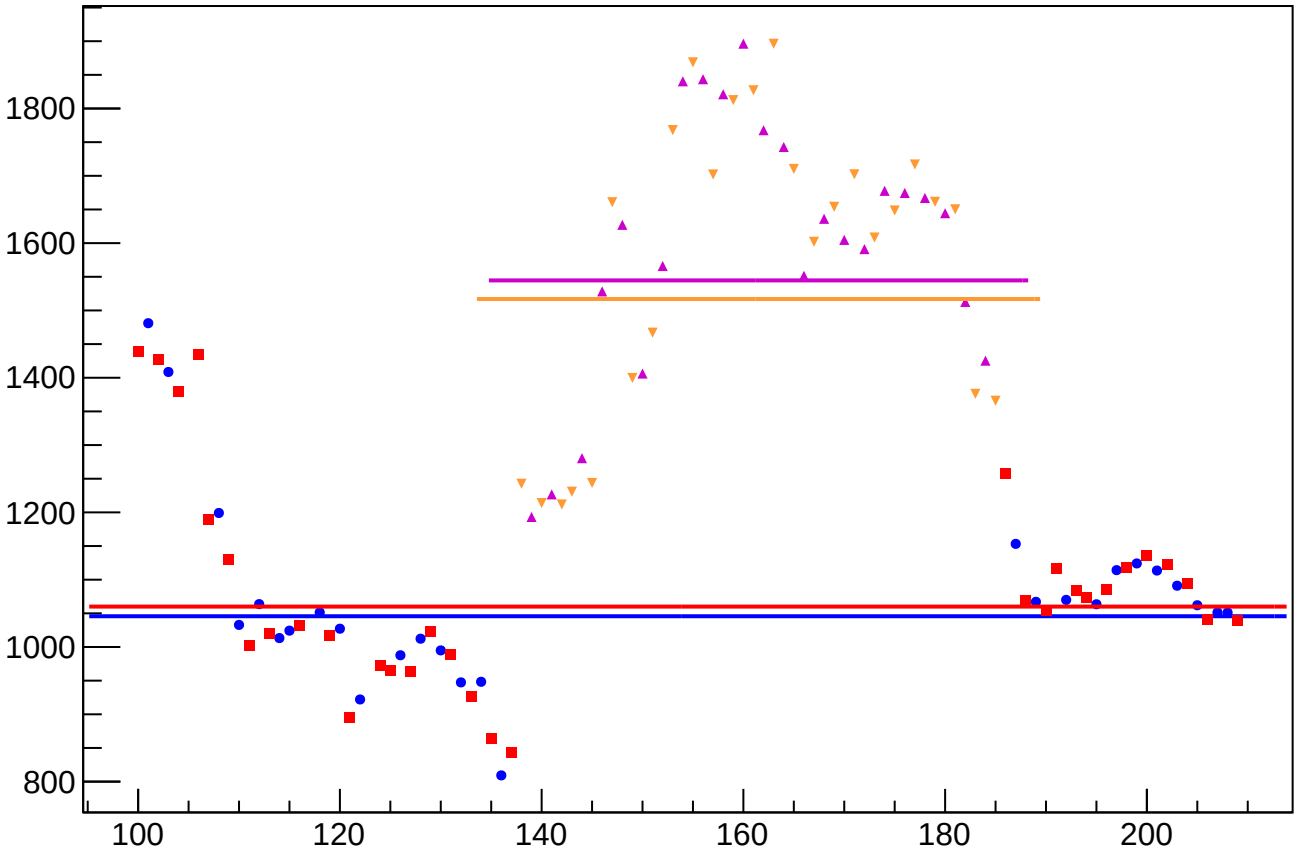
Left: -2.641+/-0.252 χ^2/NDF: 2700.1/47

Right: -3.110+/-0.184 χ^2/NDF: 4834.4/58

In: -3.006+/-0.214 χ^2/NDF:2188.9/49

Out: -2.891+/-0.207 χ^2/NDF:5347.7/56

All: -2.947+/-0.149 χ^2/NDF: 7536.7/106



Right In: 1045.693+/-0.187 χ^2/NDF: 428240.3/26

Left Out: 1517.008+/-0.247 χ^2/NDF:832983.9/24

Right Out: 1060.032+/-0.181 χ^2/NDF: 407558.2/31

Left In: 1544.620+/-0.258 χ^2/NDF:638659.4/22

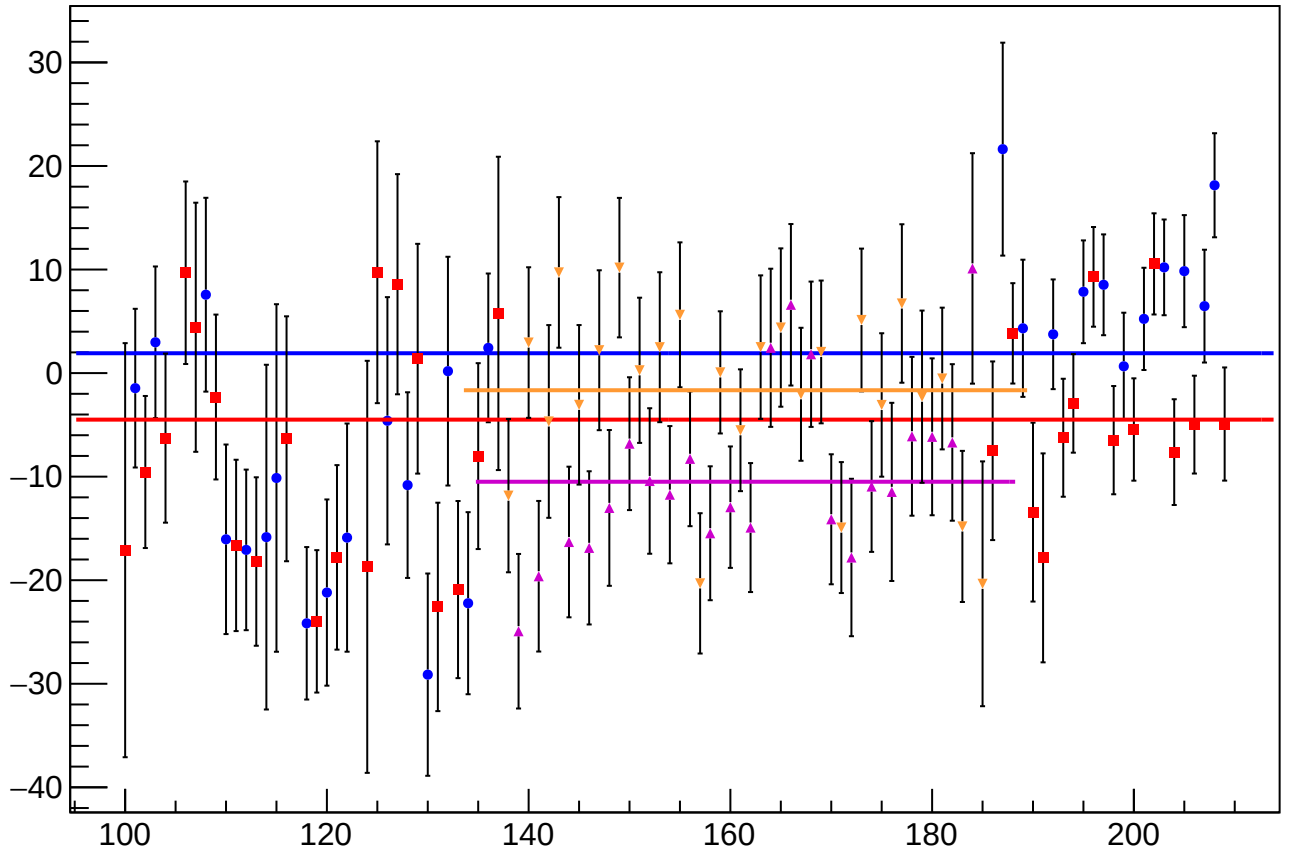
Left: 1530.214+/-0.178 χ^2/NDF: 1477627.5/47

Right: 1053.092+/-0.130 χ^2/NDF: 838830.0/58

In: 1217.767+/-0.151 χ^2/NDF:3520205.5/49

Out: 1220.030+/-0.146 χ^2/NDF:3467640.8/56

All: 1218.939+/-0.105 χ^2/NDF: 6987962.0/10



Right In: 1.917+/-1.318 χ^2/NDF: 78.0/26

Left Out: -1.655+/-1.426 χ^2/NDF:31.5/24

Right Out: -4.494+/-1.248 χ^2/NDF: 54.9/31

Left In: -10.492+/-1.480 χ^2/NDF:24.9/22

Left: -5.911+/-1.027 χ^2/NDF: 74.9/47

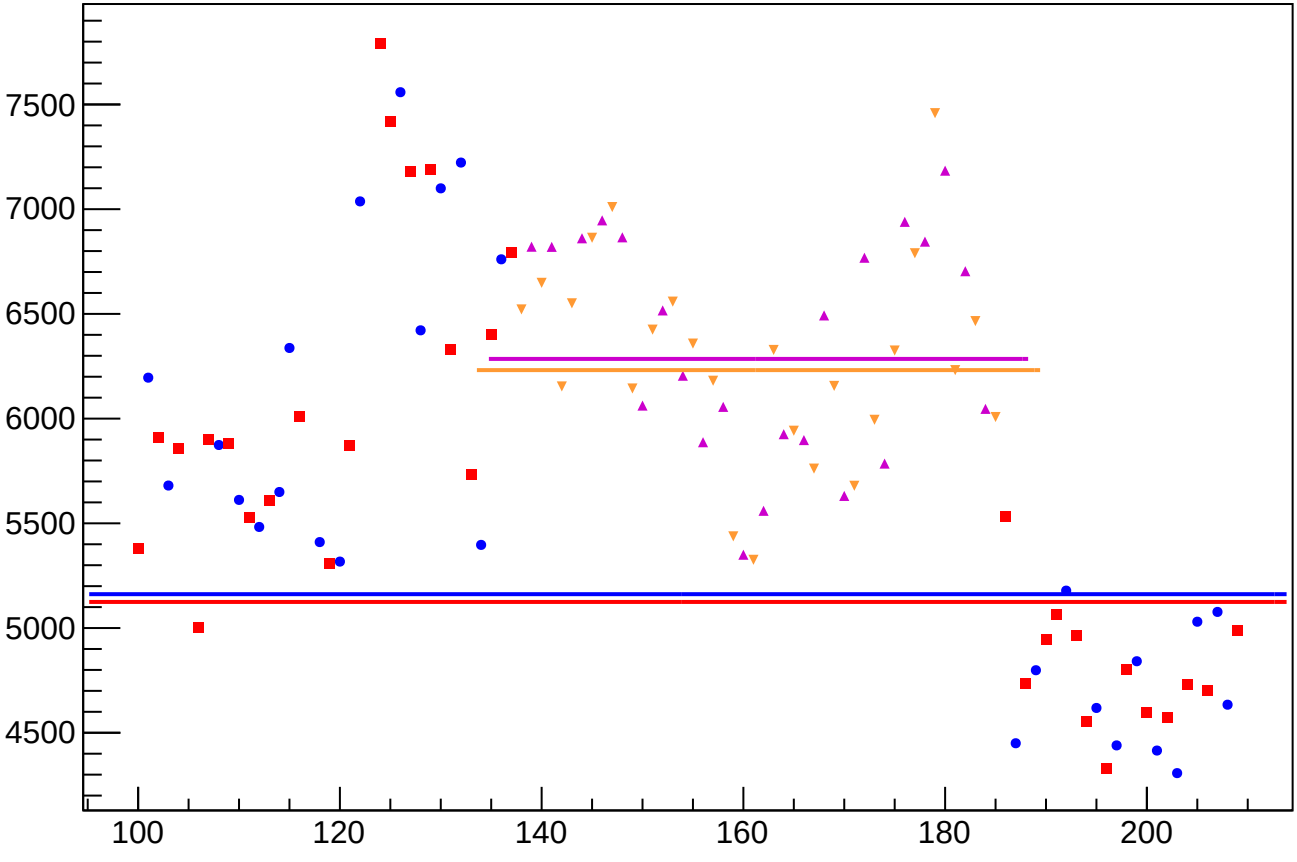
Right: -1.462+/-0.906 χ^2/NDF: 145.4/58

In: -3.572+/-0.984 χ^2/NDF:142.2/49

Out: -3.263+/-0.939 χ^2/NDF:88.6/56

All: -3.410+/-0.679 χ^2/NDF: 230.8/106

diff_bpm0l05X_rms vs Slug, Sign Corrected



Right In: 5161.706+/-0.932 χ^2/NDF: 736773.1/26

Left Out: 6231.572+/-1.009 χ^2/NDF:226959.2/24

Right Out: 5124.636+/-0.883 χ^2/NDF: 642894.4/31

Left In: 6285.058+/-1.046 χ^2/NDF:265370.2/22

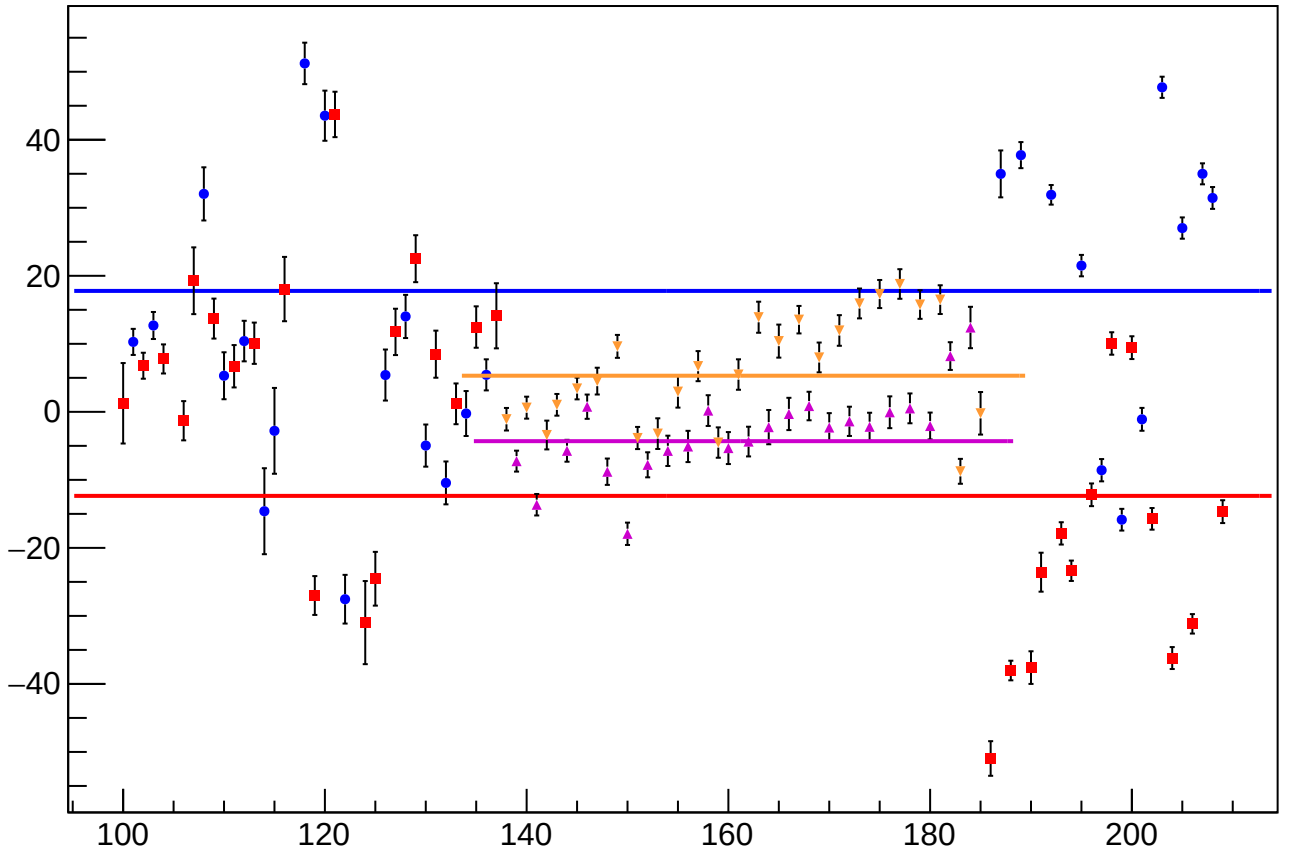
Left: 6257.332+/-0.726 χ^2/NDF: 493684.0/47

Right: 5142.165+/-0.641 χ^2/NDF: 1380501.5/58

In: 5658.632+/-0.696 χ^2/NDF:1644910.8/49

Out: 5604.732+/-0.664 χ^2/NDF:1552022.5/56

All: 5630.426+/-0.480 χ^2/NDF: 3200072.5/10



Right In: 17.779+/-0.417 χ^2/NDF: 2290.6/26

Left Out: 5.313+/-0.400 χ^2/NDF:378.1/24

Right Out: -12.355+/-0.397 χ^2/NDF: 2585.6/31

Left In: -4.310+/-0.420 χ^2/NDF:220.4/22

Left: 0.733+/-0.290 χ^2/NDF: 873.5/47

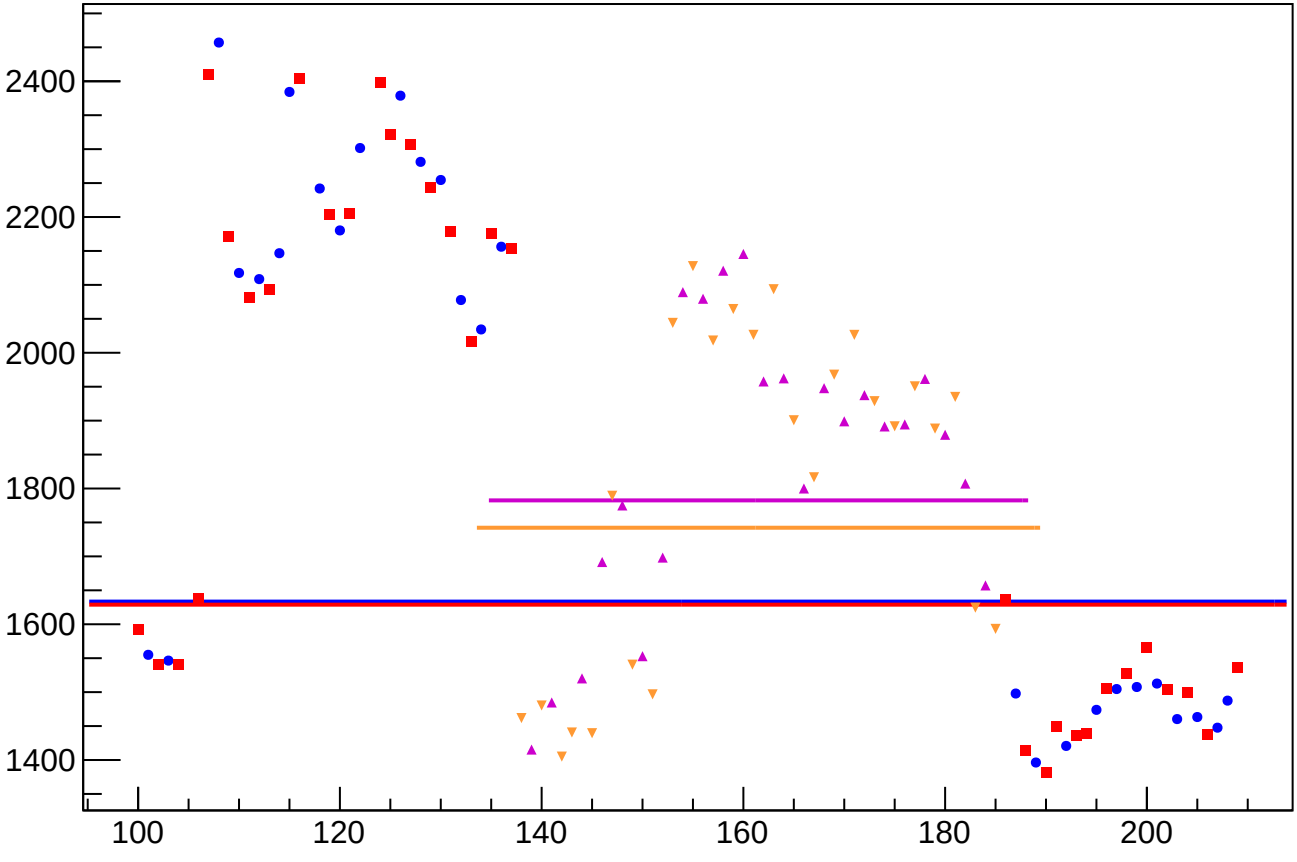
Right: 1.977+/-0.288 χ^2/NDF: 7609.9/58

In: 6.807+/-0.296 χ^2/NDF:3902.5/49

Out: -3.585+/-0.282 χ^2/NDF:3944.4/56

All: 1.359+/-0.204 χ^2/NDF: 8492.6/106

diff_bpm0l05Y_rms vs Slug, Sign Corrected



Right In: 1633.386+/-0.295 χ^2/NDF: 1064212.6/26

Left Out: 1742.217+/-0.283 χ^2/NDF:767663.9/24

Right Out: 1628.873+/-0.281 χ^2/NDF: 1040126.3/31

Left In: 1782.502+/-0.297 χ^2/NDF:534374.9/22

Left: 1761.391+/-0.205 χ^2/NDF: 1311677.3/47

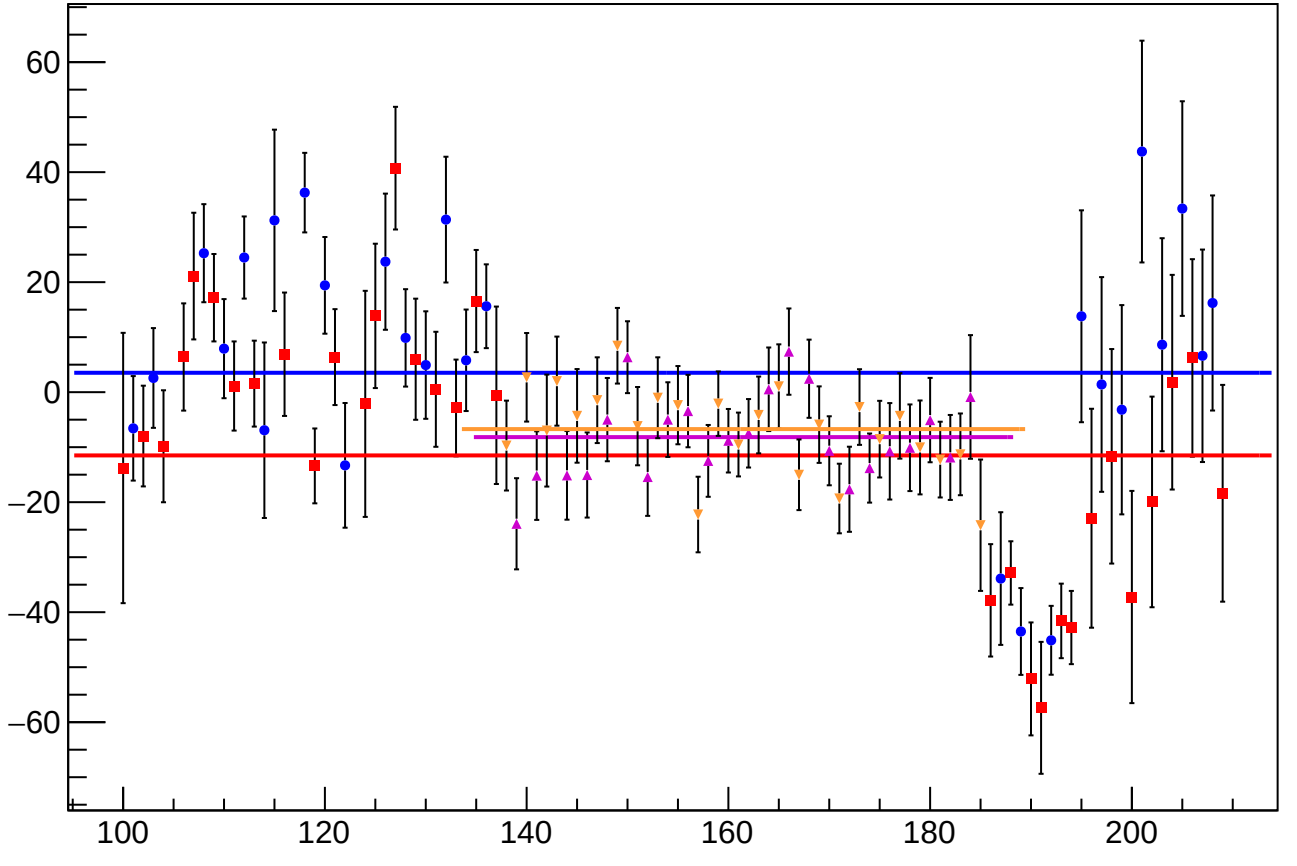
Right: 1631.020+/-0.204 χ^2/NDF: 2104461.4/58

In: 1707.456+/-0.209 χ^2/NDF:1725414.4/49

Out: 1685.136+/-0.199 χ^2/NDF:1888521.5/56

All: 1695.756+/-0.144 χ^2/NDF: 3619894.7/10

diff_bpm0l06X_mean vs Slug, Sign Corrected



Right In: 3.526+/-2.002 χ^2/NDF: 168.9/26

Left Out: -6.713+/-1.458 χ^2/NDF:25.7/24

Right Out: -11.498+/-1.788 χ^2/NDF: 173.5/31

Left In: -8.171+/-1.510 χ^2/NDF:24.2/22

Left: -7.416+/-1.049 χ^2/NDF: 50.3/47

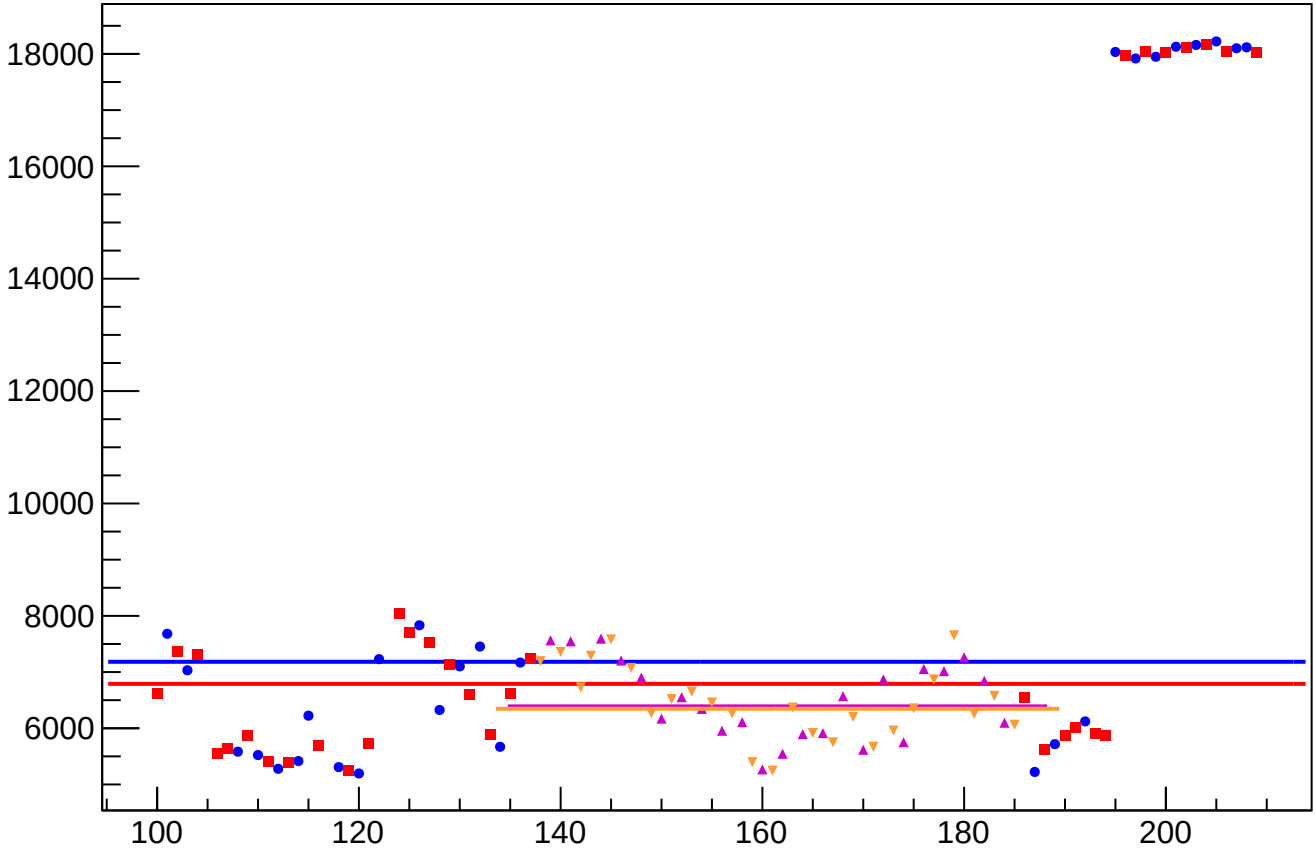
Right: -4.832+/-1.334 χ^2/NDF: 373.7/58

In: -3.930+/-1.206 χ^2/NDF:214.8/49

Out: -8.624+/-1.130 χ^2/NDF:203.4/56

All: -6.429+/-0.824 χ^2/NDF: 426.3/106

diff_bpm0l06X_rms vs Slug, Sign Corrected



Right In: 7183.088+/-1.416 χ^2/NDF: 5812493.4/26

Left Out: 6347.287+/-1.031 χ^2/NDF:386025.6/24

Right Out: 6790.388+/-1.264 χ^2/NDF: 5386929.2/31

Left In: 6389.425+/-1.068 χ^2/NDF:419756.4/22

Left: 6367.615+/-0.742 χ^2/NDF: 806588.2/47

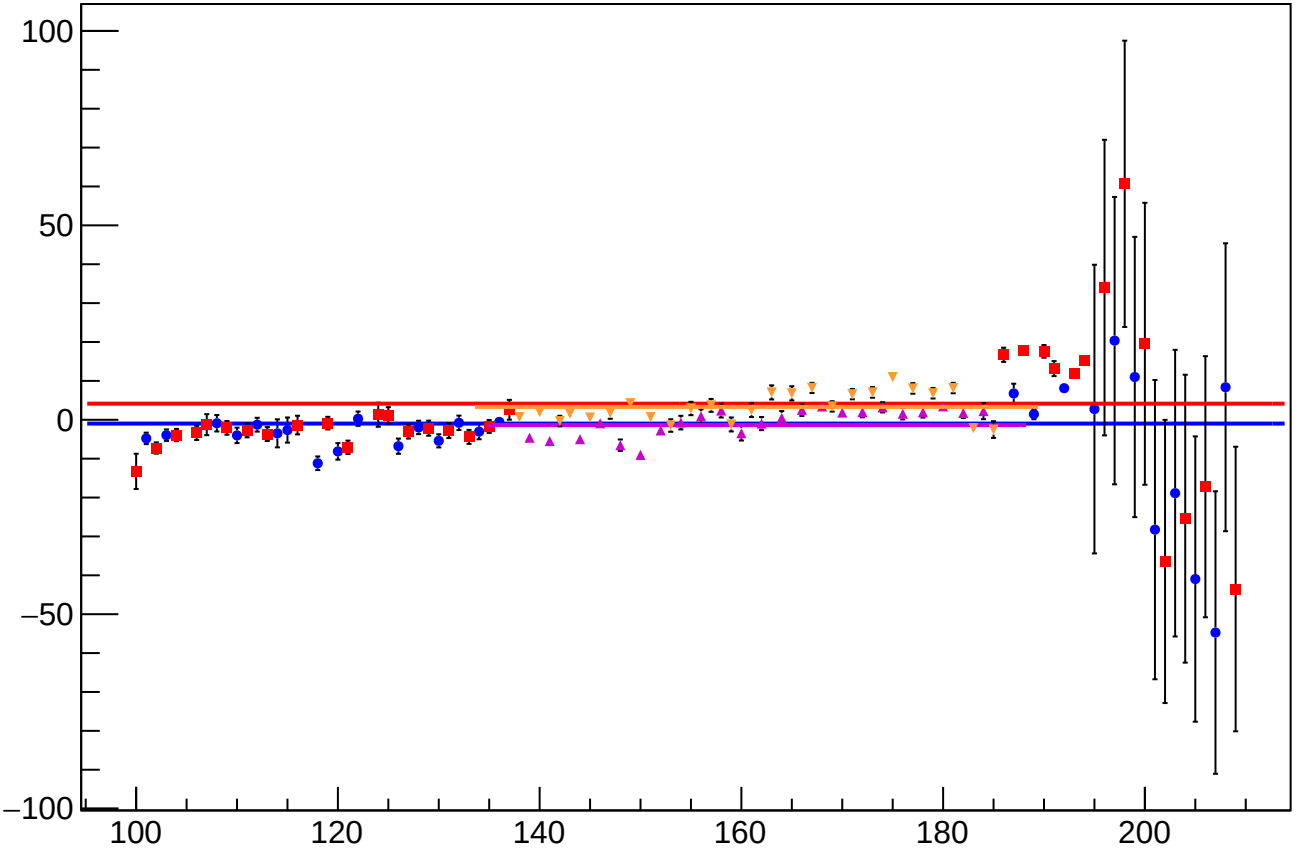
Right: 6964.628+/-0.943 χ^2/NDF: 11242229.4/58

In: 6677.194+/-0.852 χ^2/NDF:6432593.7/49

Out: 6524.218+/-0.799 χ^2/NDF:5846739.3/56

All: 6595.752+/-0.583 χ^2/NDF: 12296478.2/1

diff_bpm0l06Y_mean vs Slug, Sign Corrected



Right In: -0.980+/-0.386 χ^2/NDF: 183.5/26

Left Out: 3.311+/-0.264 χ^2/NDF:177.9/24

Right Out: 4.142+/-0.342 χ^2/NDF: 751.5/31

Left In: -1.355+/-0.277 χ^2/NDF:196.3/22

Left: 1.083+/-0.191 χ^2/NDF: 522.8/47

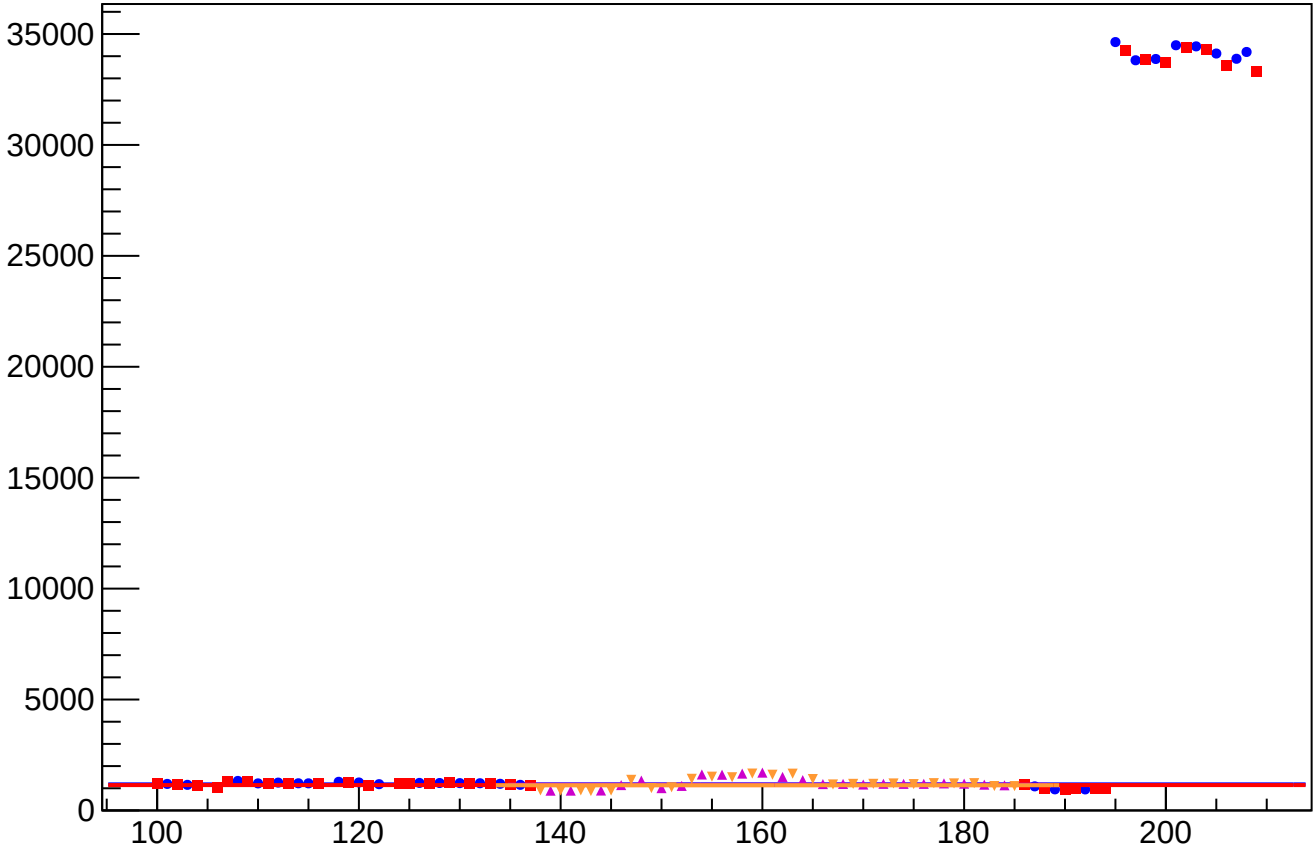
Right: 1.889+/-0.256 χ^2/NDF: 1033.7/58

In: -1.228+/-0.225 χ^2/NDF:380.4/49

Out: 3.622+/-0.209 χ^2/NDF:933.1/56

All: 1.372+/-0.153 χ^2/NDF: 1562.9/106

diff_bpm0l06Y_rms vs Slug, Sign Corrected



Right In: 1176.594+/-0.273 χ^2/NDF: 12994585.8/26

Left Out: 1137.150+/-0.187 χ^2/NDF:1469686.1/24

Right Out: 1143.590+/-0.242 χ^2/NDF: 11619838.9/31

Left In: 1159.432+/-0.196 χ^2/NDF:1259793.6/22

Left: 1147.788+/-0.135 χ^2/NDF: 2736258.7/47

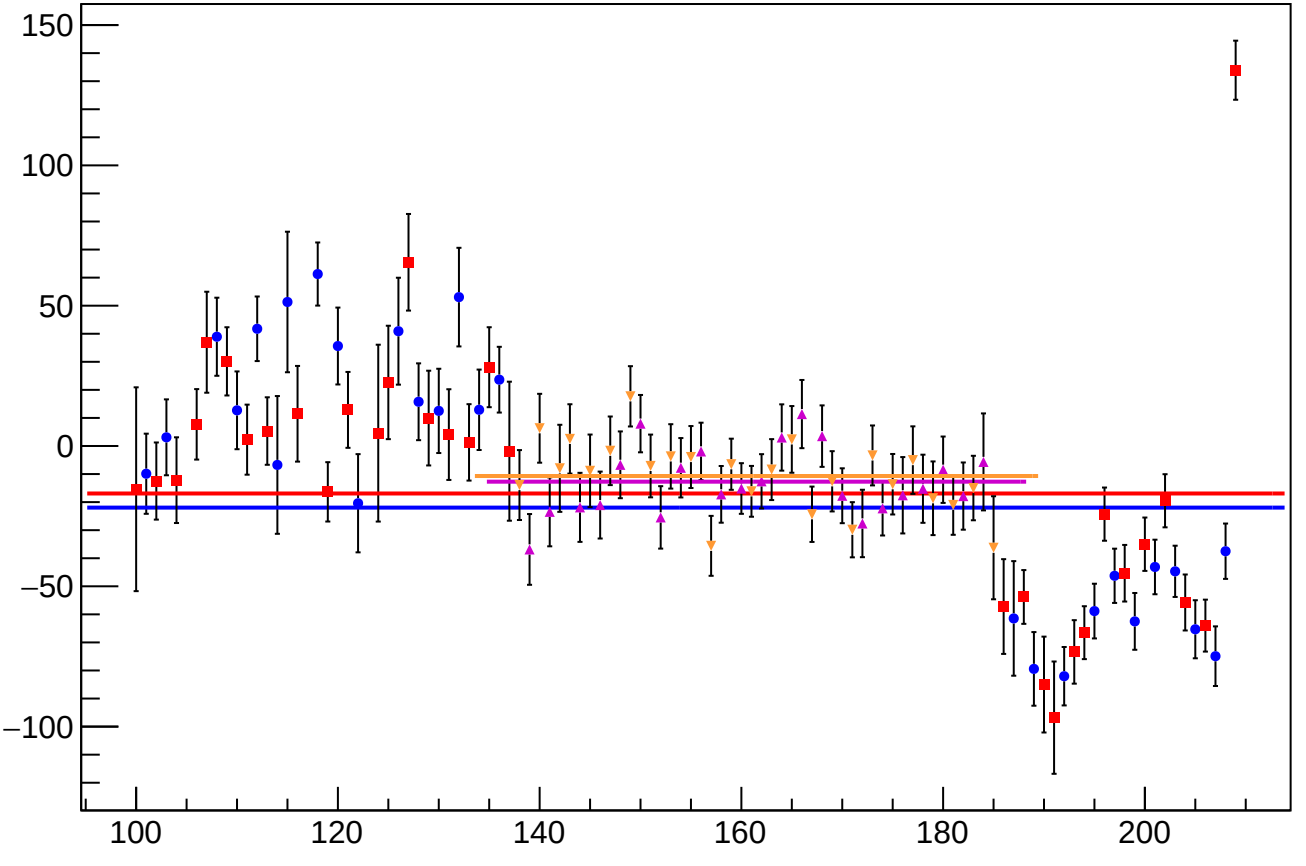
Right: 1158.108+/-0.181 χ^2/NDF: 24622618.1/58

In: 1165.258+/-0.159 χ^2/NDF:14256991.9/49

Out: 1139.560+/-0.148 χ^2/NDF:13089968.8/56

All: 1151.483+/-0.108 χ^2/NDF: 27360964.2/

diff_bpm0l07X_mean vs Slug, Sign Corrected



Right In: -21.958+/-2.387 χ^2/NDF: 353.4/26

Left Out: -10.696+/-2.257 χ^2/NDF:28.7/24

Right Out: -16.925+/-2.252 χ^2/NDF: 448.5/31

Left In: -12.719+/-2.341 χ^2/NDF:24.0/22

Left: -11.671+/-1.625 χ^2/NDF: 53.1/47

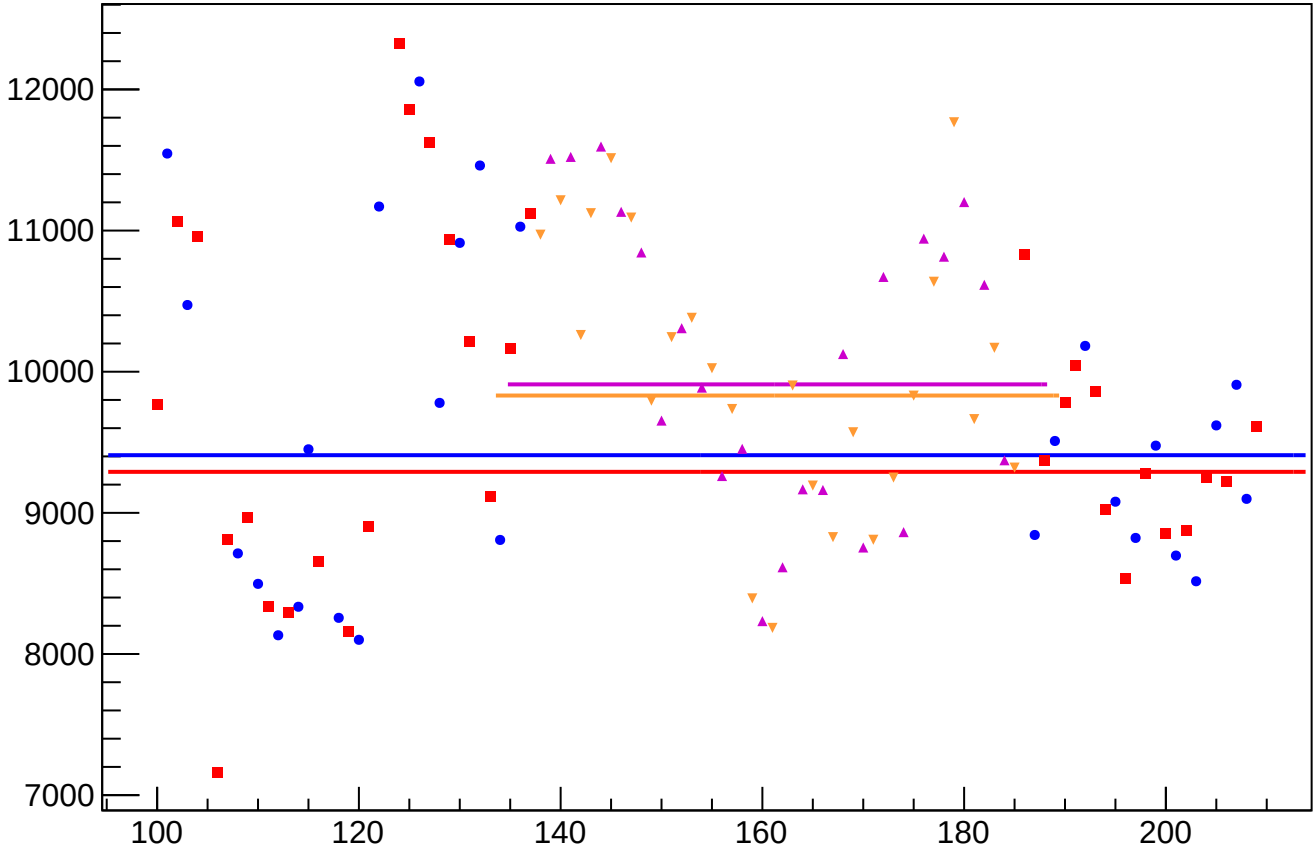
Right: -19.295+/-1.638 χ^2/NDF: 804.2/58

In: -17.248+/-1.671 χ^2/NDF:385.1/49

Out: -13.818+/-1.594 χ^2/NDF:481.0/56

All: -15.452+/-1.154 χ^2/NDF: 868.3/106

diff_bpm0l07X_rms vs Slug, Sign Corrected



Right In: 9408.585+/-1.688 χ^2/NDF: 347437.9/26

Left Out: 9831.301+/-1.596 χ^2/NDF:356125.1/24

Right Out: 9290.571+/-1.592 χ^2/NDF: 353238.6/31

Left In: 9910.300+/-1.655 χ^2/NDF:389368.1/22

Left: 9869.364+/-1.149 χ^2/NDF: 746673.5/47

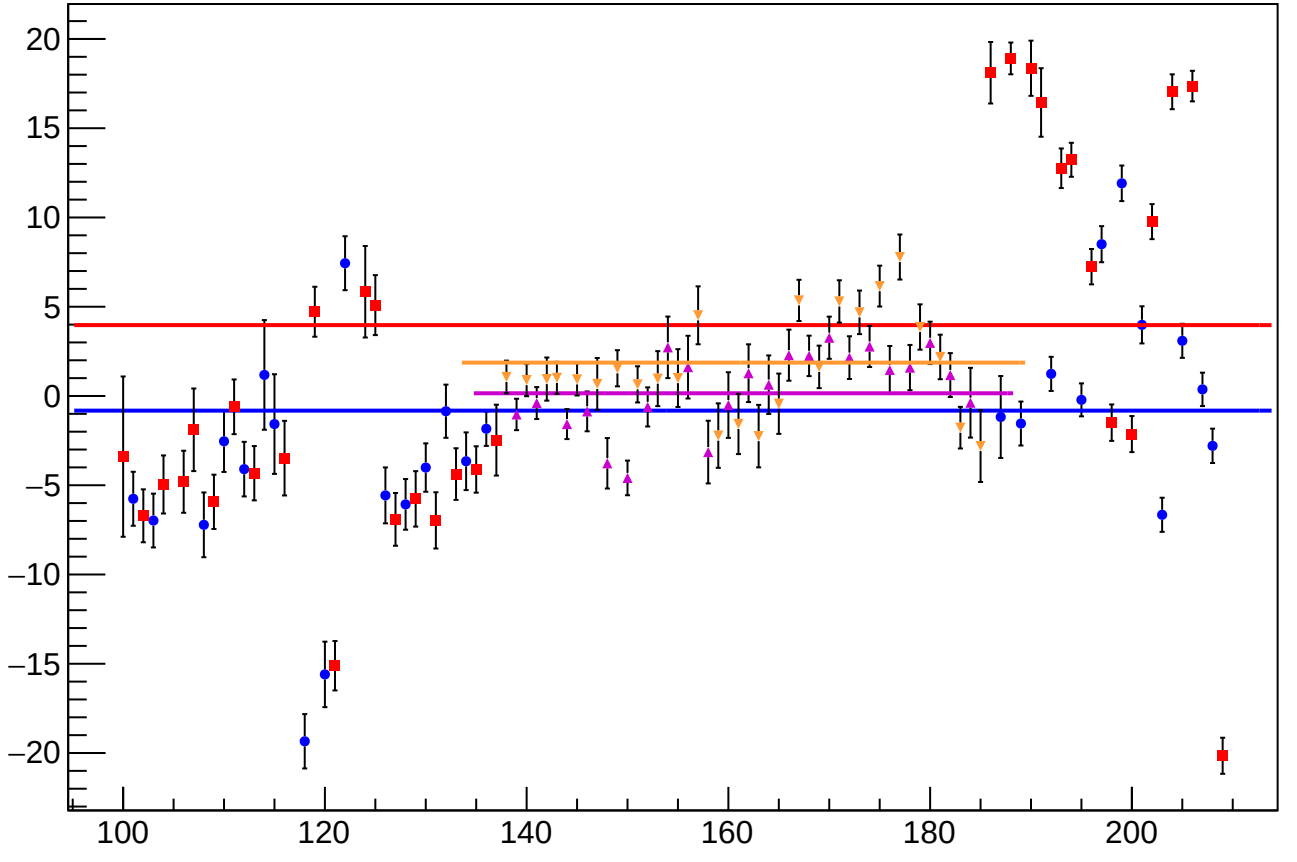
Right: 9346.140+/-1.158 χ^2/NDF: 703262.6/58

In: 9664.371+/-1.182 χ^2/NDF:781840.4/49

Out: 9560.316+/-1.127 χ^2/NDF:766881.2/56

All: 9609.887+/-0.816 χ^2/NDF: 1552780.2/10

diff_bpm0l07Y_mean vs Slug, Sign Corrected



Right In: -0.821+/-0.241 χ^2/NDF: 656.4/26

Left Out: 1.869+/-0.243 χ^2/NDF:103.2/24

Right Out: 3.970+/-0.232 χ^2/NDF: 2367.3/31

Left In: 0.152+/-0.254 χ^2/NDF:75.7/22

Left: 1.051+/-0.176 χ^2/NDF: 202.7/47

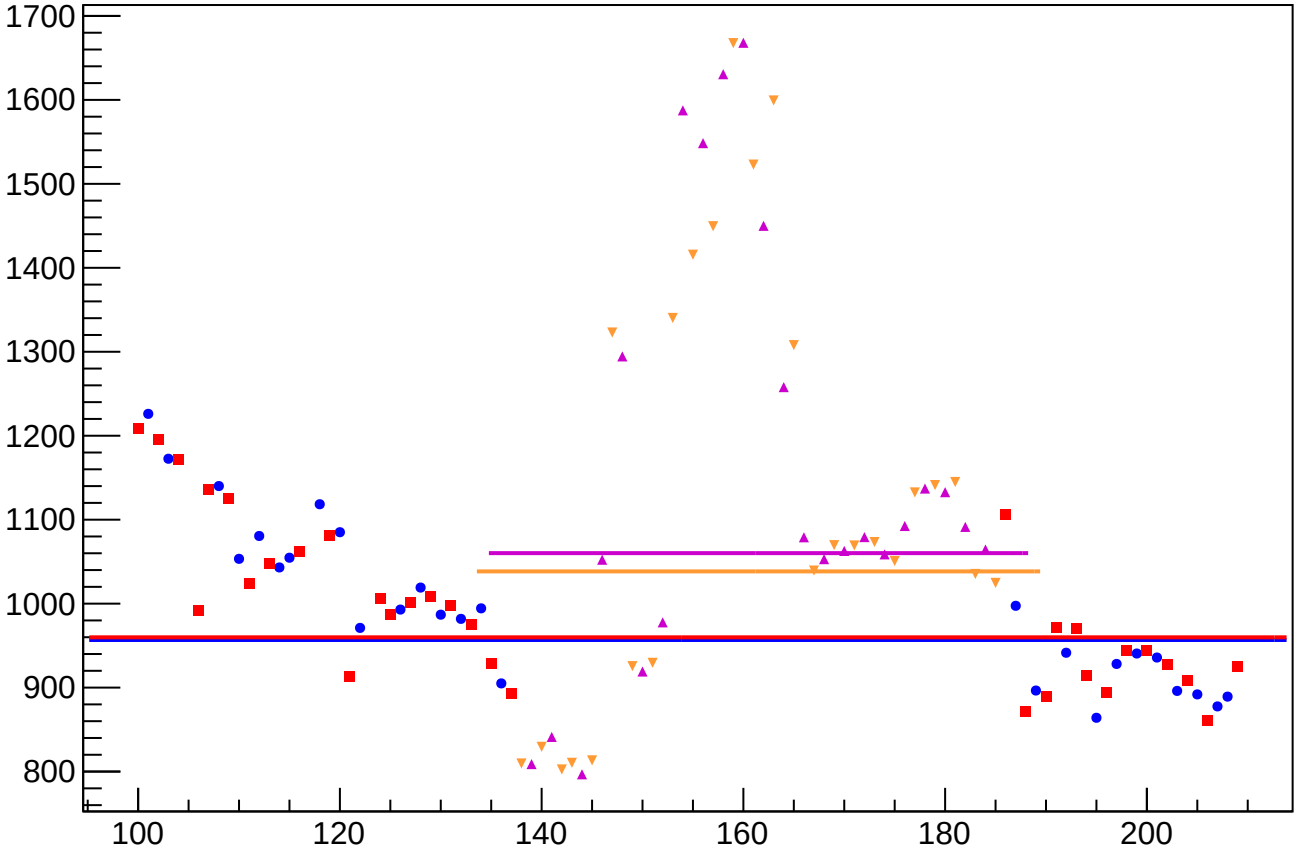
Right: 1.674+/-0.167 χ^2/NDF: 3228.8/58

In: -0.360+/-0.175 χ^2/NDF:739.7/49

Out: 2.969+/-0.168 χ^2/NDF:2509.7/56

All: 1.378+/-0.121 χ^2/NDF: 3438.1/106

diff_bpm0l07Y_rms vs Slug, Sign Corrected



Right In: 956.724+/-0.171 χ^2/NDF: 264814.6/26

Left Out: 1038.406+/-0.172 χ^2/NDF:1706682.8/24

Right Out: 959.876+/-0.164 χ^2/NDF: 258219.6/31

Left In: 1060.162+/-0.180 χ^2/NDF:1523219.9/22

Left: 1048.767+/-0.124 χ^2/NDF: 3237559.4/47

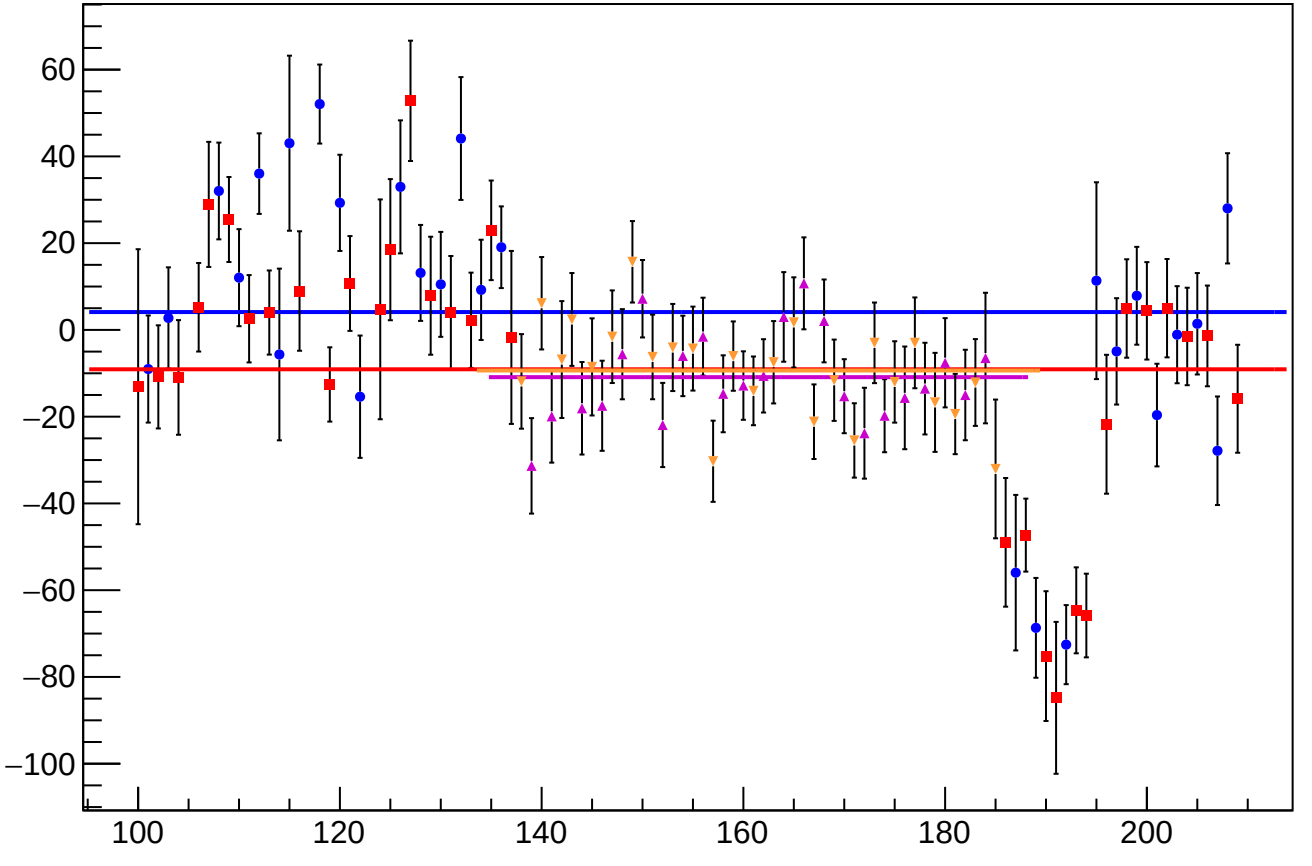
Right: 958.366+/-0.118 χ^2/NDF: 523211.8/58

In: 1005.709+/-0.124 χ^2/NDF:1961982.3/49

Out: 997.297+/-0.118 χ^2/NDF:2074559.9/56

All: 1001.316+/-0.086 χ^2/NDF: 4038951.6/10

diff_bpm0l08X_mean vs Slug, Sign Corrected



Right In: 4.113+/-2.300 χ^2/NDF: 210.8/26

Left Out: -9.355+/-1.969 χ^2/NDF:28.5/24

Right Out: -9.079+/-2.117 χ^2/NDF: 202.9/31

Left In: -10.892+/-2.043 χ^2/NDF:23.6/22

Left: -10.095+/-1.418 χ^2/NDF: 52.4/47

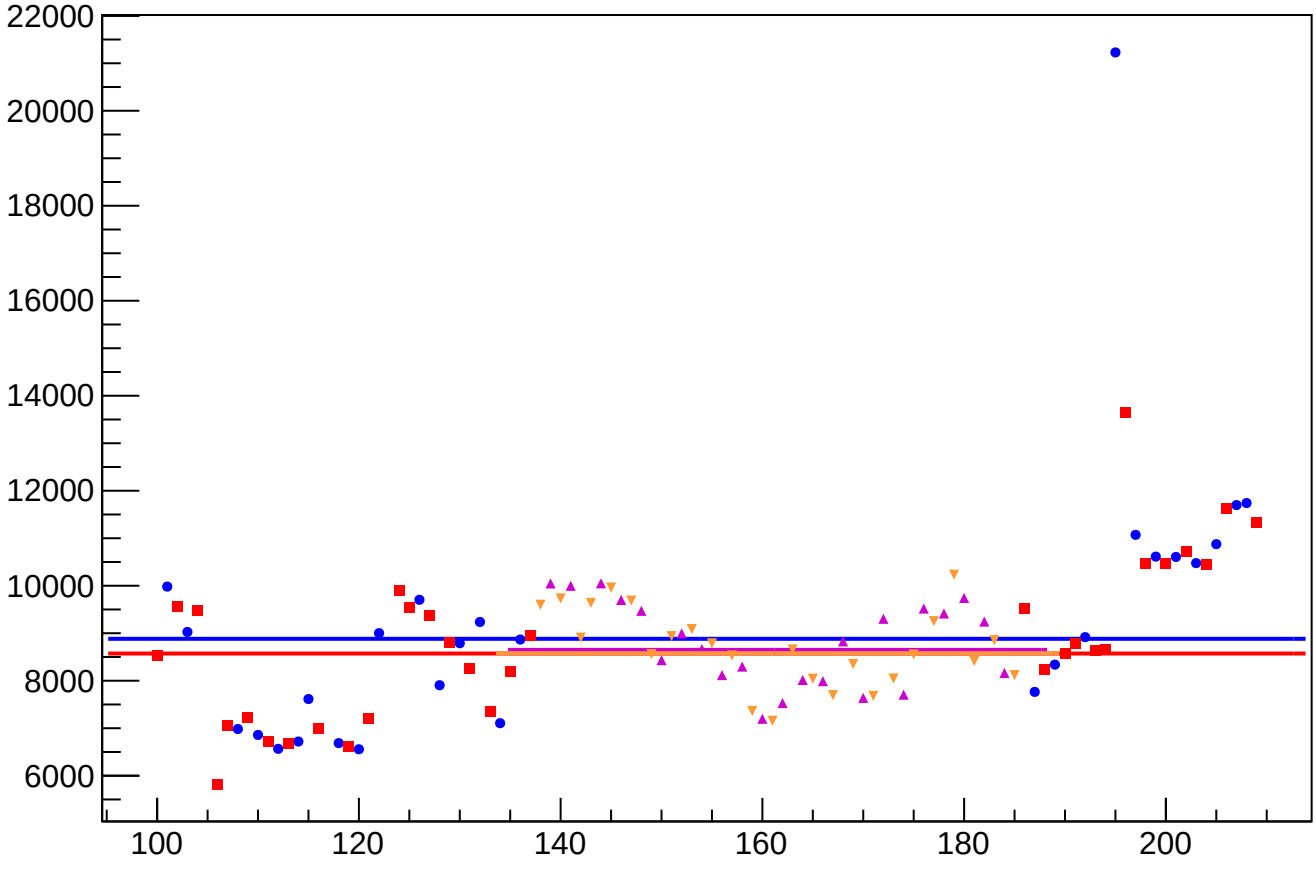
Right: -3.030+/-1.558 χ^2/NDF: 431.5/58

In: -4.277+/-1.527 χ^2/NDF:258.2/49

Out: -9.227+/-1.442 χ^2/NDF:231.4/56

All: -6.895+/-1.048 χ^2/NDF: 495.1/106

diff_bpm0l08X_rms vs Slug, Sign Corrected



Right In: 8882.660+/-1.627 χ^2/NDF: 1629071.4/26

Left Out: 8578.396+/-1.392 χ^2/NDF:343721.1/24

Right Out: 8572.557+/-1.497 χ^2/NDF: 1273150.9/31

Left In: 8649.232+/-1.444 χ^2/NDF:377932.0/22

Left: 8612.520+/-1.002 χ^2/NDF: 722899.8/47

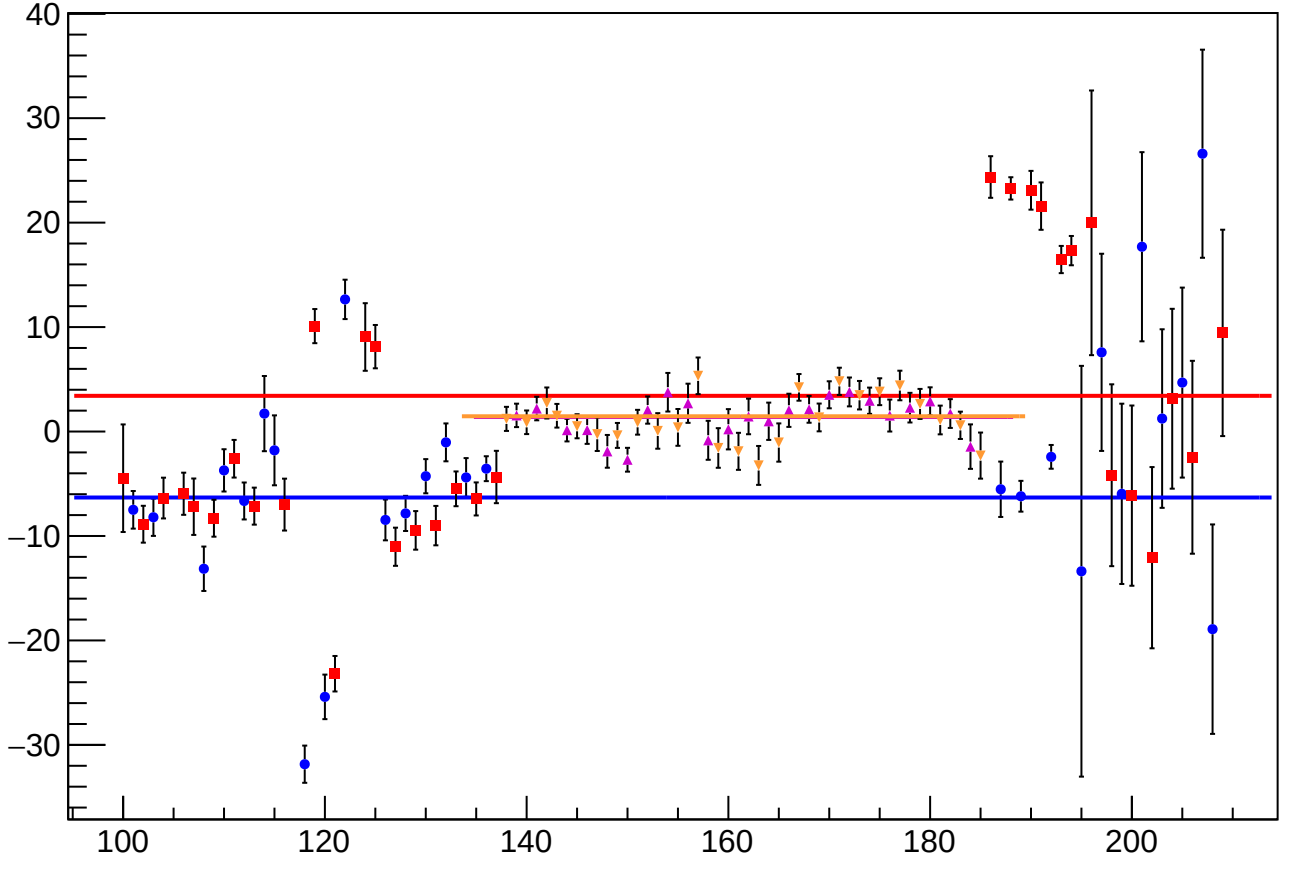
Right: 8714.753+/-1.102 χ^2/NDF: 2921900.0/58

In: 8752.130+/-1.080 χ^2/NDF:2018518.3/49

Out: 8575.688+/-1.020 χ^2/NDF:1616880.2/56

All: 8658.832+/-0.741 χ^2/NDF: 3649511.6/10

diff_bpm0l08Y_mean vs Slug, Sign Corrected



Right In: -6.316+/-0.404 χ^2/NDF: 461.6/26

Left Out: 1.461+/-0.281 χ^2/NDF:51.0/24

Right Out: 3.418+/-0.359 χ^2/NDF: 1561.9/31

Left In: 1.390+/-0.294 χ^2/NDF:35.5/22

Left: 1.427+/-0.203 χ^2/NDF: 86.6/47

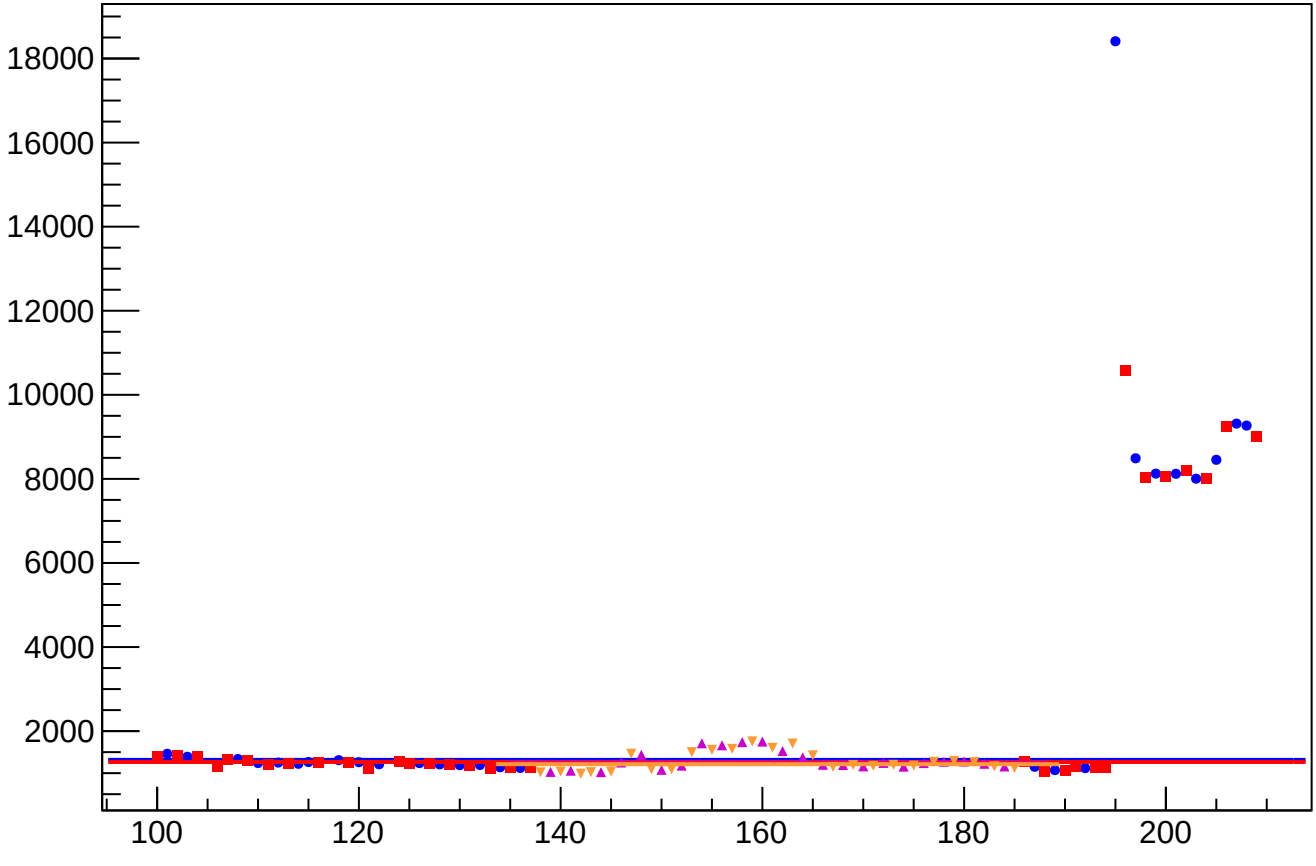
Right: -0.885+/-0.268 χ^2/NDF: 2348.1/58

In: -1.285+/-0.238 χ^2/NDF:735.2/49

Out: 2.202+/-0.221 χ^2/NDF:1631.4/56

All: 0.585+/-0.162 χ^2/NDF: 2481.9/106

diff_bpm0l08Y_rms vs Slug, Sign Corrected



Right In: 1315.945+/-0.285 χ^2/NDF: 10300412.6/26

Left Out: 1213.262+/-0.198 χ^2/NDF:1012762.9/24

Right Out: 1265.887+/-0.254 χ^2/NDF: 8994721.7/31

Left In: 1239.174+/-0.208 χ^2/NDF:885596.7/22

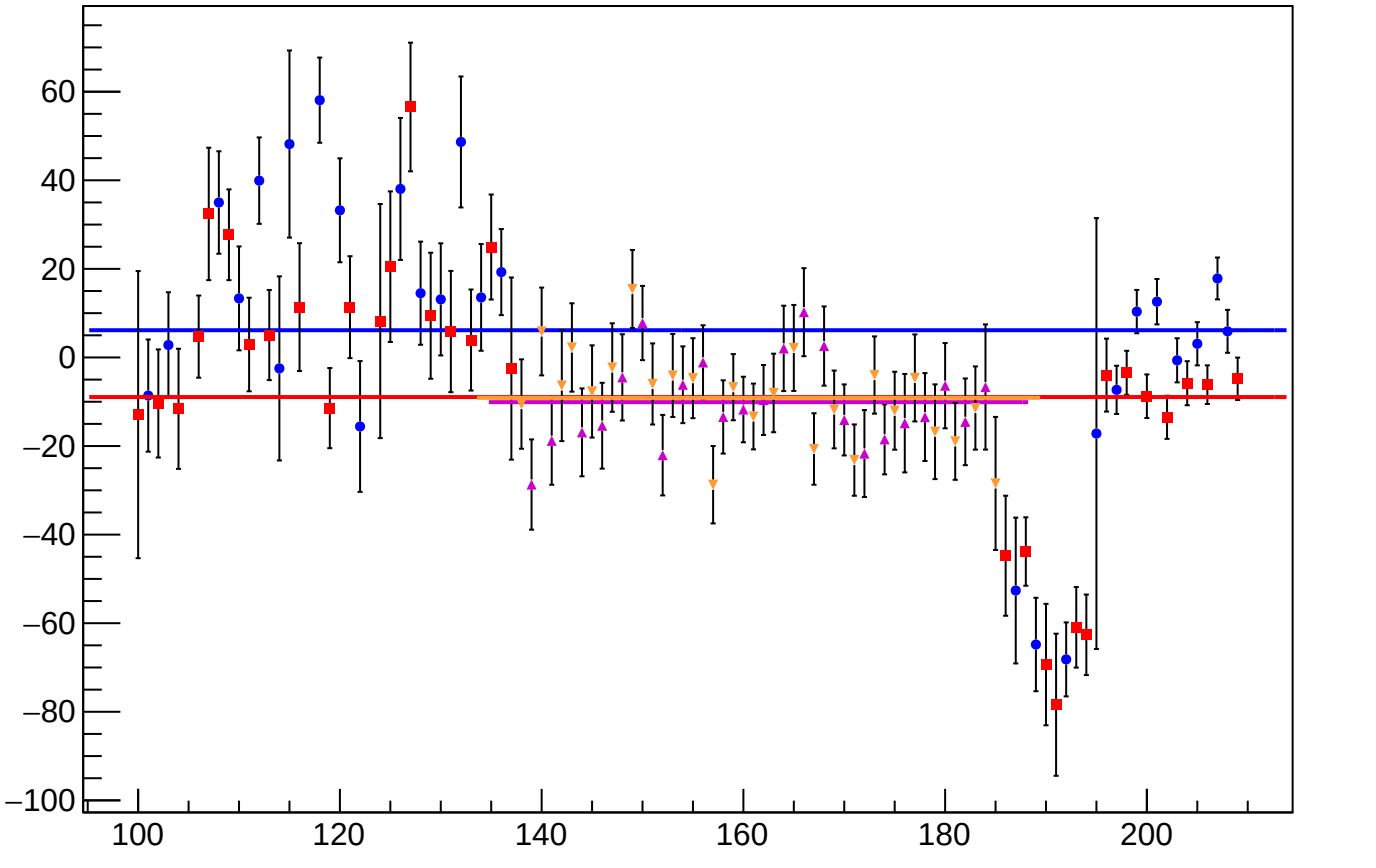
Left: 1225.599+/-0.144 χ^2/NDF: 1906483.7/47

Right: 1288.016+/-0.190 χ^2/NDF: 19312299.8/58

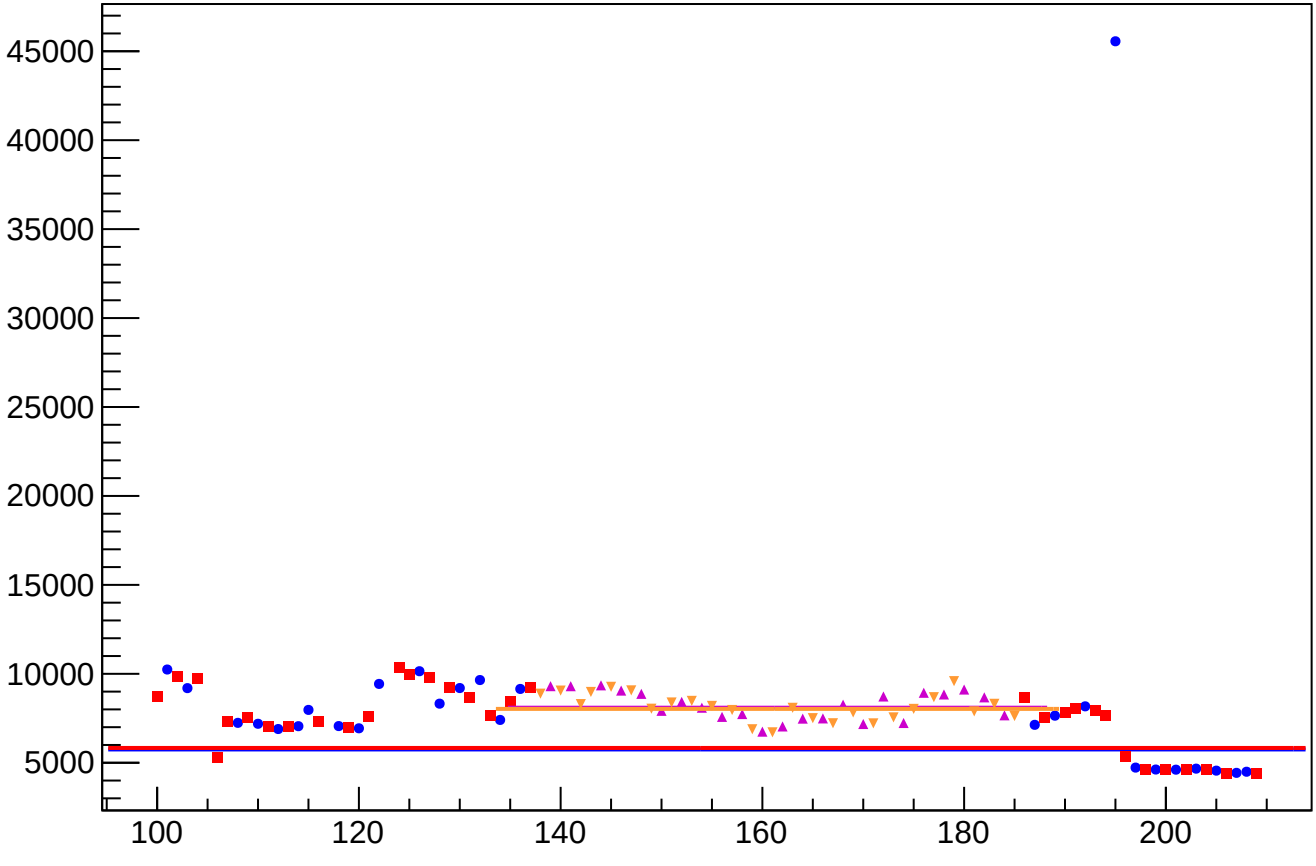
In: 1265.821+/-0.168 χ^2/NDF:11233255.6/49

Out: 1233.196+/-0.156 χ^2/NDF:10034144.1/56

All: 1248.324+/-0.114 χ^2/NDF: 21287591.8/1


diff_bpm0l09X_mean vs Slug, Sign Corrected
60
40
20
0
−20
−40
−60
−80
−100
100
120
140
160
180
200
Right In: 6.148+/-1.551 χ²/NDF: 230.3/26
Left Out: -9.114+/-1.842 χ²/NDF:28.8/24
Right Out: -8.936+/-1.491 χ²/NDF: 204.2/31
Left In: -10.095+/-1.911 χ²/NDF:24.3/22
Left: -9.587+/-1.326 χ²/NDF: 53.2/47
Right: -1.691+/-1.075 χ²/NDF: 483.7/58
In: -0.299+/-1.204 χ²/NDF:298.2/49
Out: -9.007+/-1.159 χ²/NDF:233.0/56
All: -4.819+/-0.835 χ²/NDF: 558.3/106

diff_bpm0l09X_rms vs Slug, Sign Corrected



Right In: 5748.280+/-1.096 χ^2/NDF: 3906044.2/26

Left Out: 8028.056+/-1.303 χ^2/NDF:332457.9/24

Right Out: 5832.491+/-1.054 χ^2/NDF: 2721033.4/31

Left In: 8095.368+/-1.351 χ^2/NDF:367451.5/22

Left: 8060.478+/-0.938 χ^2/NDF: 701195.2/47

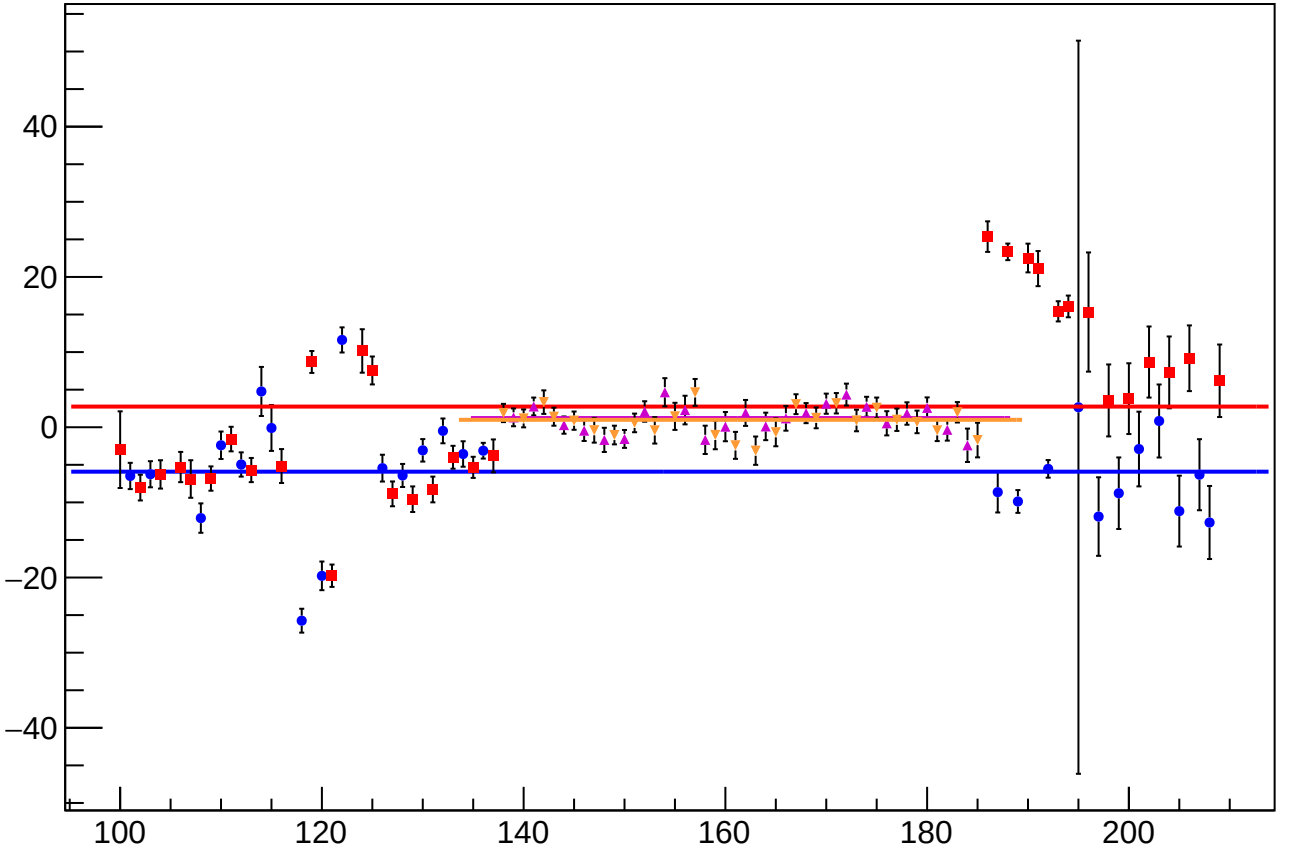
Right: 5792.041+/-0.760 χ^2/NDF: 6630143.3/58

In: 6679.872+/-0.851 χ^2/NDF:6092458.6/49

Out: 6701.144+/-0.819 χ^2/NDF:4769909.1/56

All: 6690.915+/-0.590 χ^2/NDF: 10862691.8/1

diff_bpm0l09Y_mean vs Slug, Sign Corrected



Right In: -5.914+/-0.372 χ^2/NDF: 385.9/26

Left Out: 0.988+/-0.292 χ^2/NDF:31.0/24

Right Out: 2.749+/-0.337 χ^2/NDF: 1464.0/31

Left In: 1.219+/-0.307 χ^2/NDF:33.1/22

Left: 1.098+/-0.212 χ^2/NDF: 64.4/47

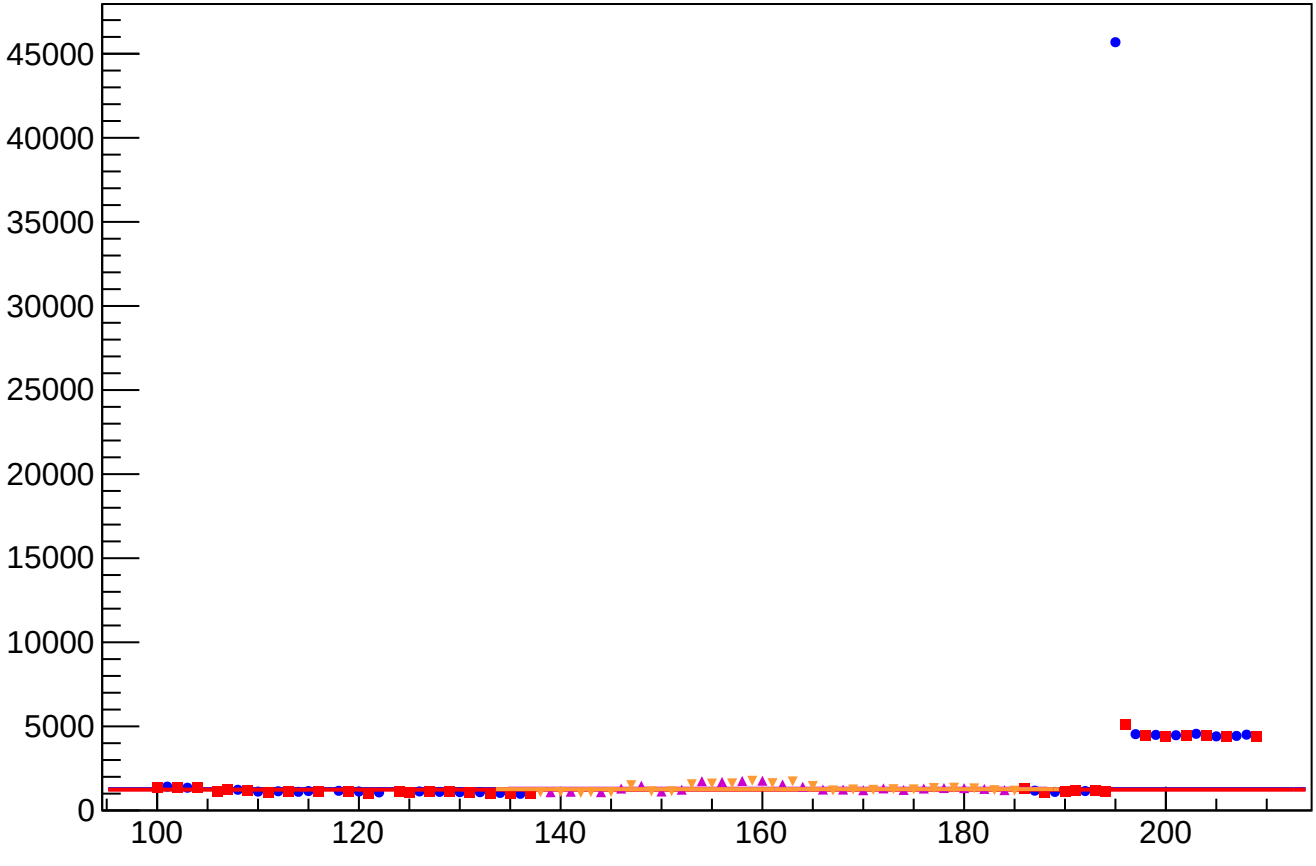
Right: -1.166+/-0.250 χ^2/NDF: 2147.6/58

In: -1.669+/-0.236 χ^2/NDF:638.2/49

Out: 1.743+/-0.221 χ^2/NDF:1510.5/56

All: 0.153+/-0.161 χ^2/NDF: 2259.9/106

diff_bpm0l09Y_rms vs Slug, Sign Corrected



Right In: 1269.141+/-0.263 χ^2/NDF: 8186194.6/26

Left Out: 1267.405+/-0.207 χ^2/NDF:878431.8/24

Right Out: 1237.166+/-0.239 χ^2/NDF: 6402381.8/31

Left In: 1294.076+/-0.217 χ^2/NDF:758193.5/22

Left: 1280.108+/-0.150 χ^2/NDF: 1644552.9/47

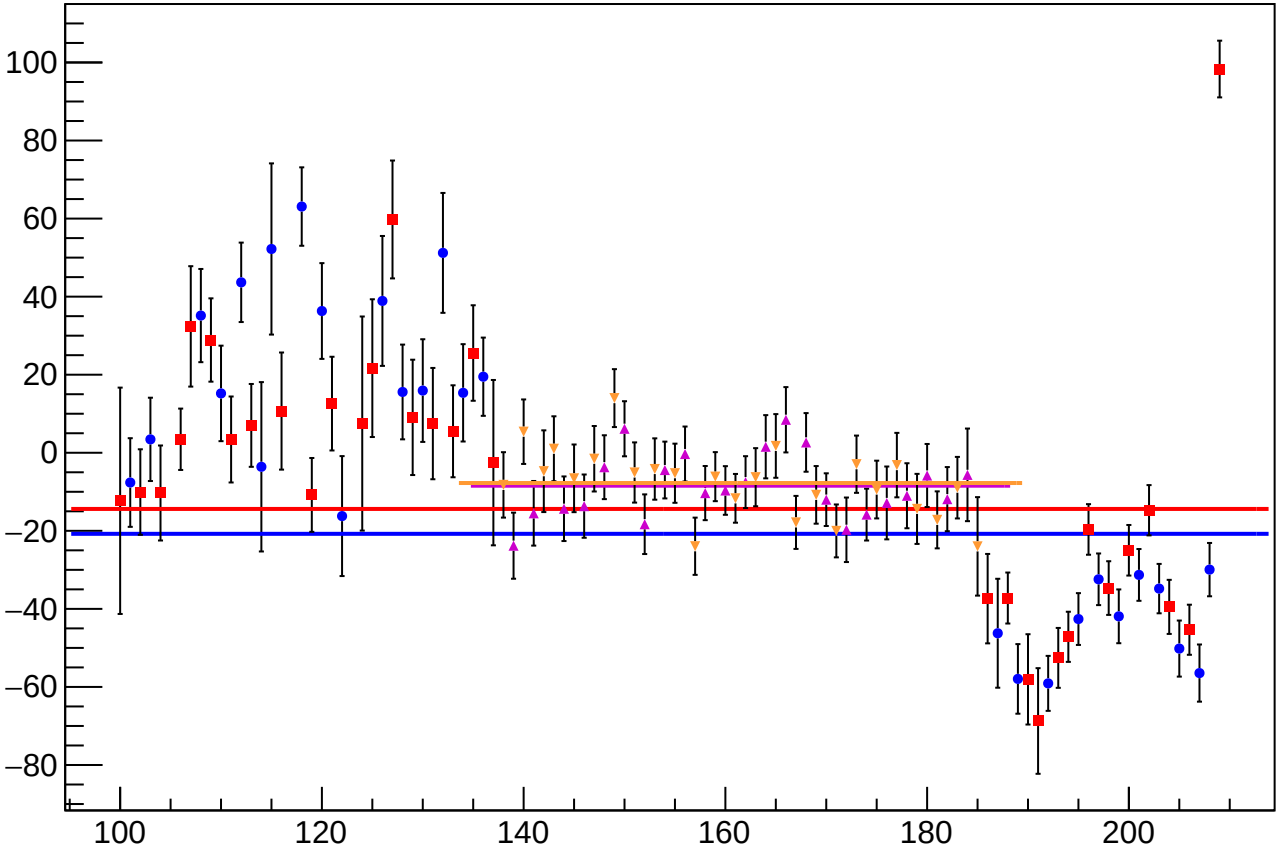
Right: 1251.616+/-0.177 χ^2/NDF: 14596691.9/58

In: 1283.978+/-0.167 χ^2/NDF:8949746.0/49

Out: 1254.439+/-0.156 χ^2/NDF:7289987.9/56

All: 1268.208+/-0.114 χ^2/NDF: 16256393.6/1

diff_bpm0l10X_mean vs Slug, Sign Corrected



Right In: -20.769+/-1.787 χ^2/NDF: 379.7/26

Left Out: -7.752+/-1.547 χ^2/NDF:30.4/24

Right Out: -14.394+/-1.663 χ^2/NDF: 479.8/31

Left In: -8.438+/-1.605 χ^2/NDF:24.8/22

Left: -8.082+/-1.114 χ^2/NDF: 55.3/47

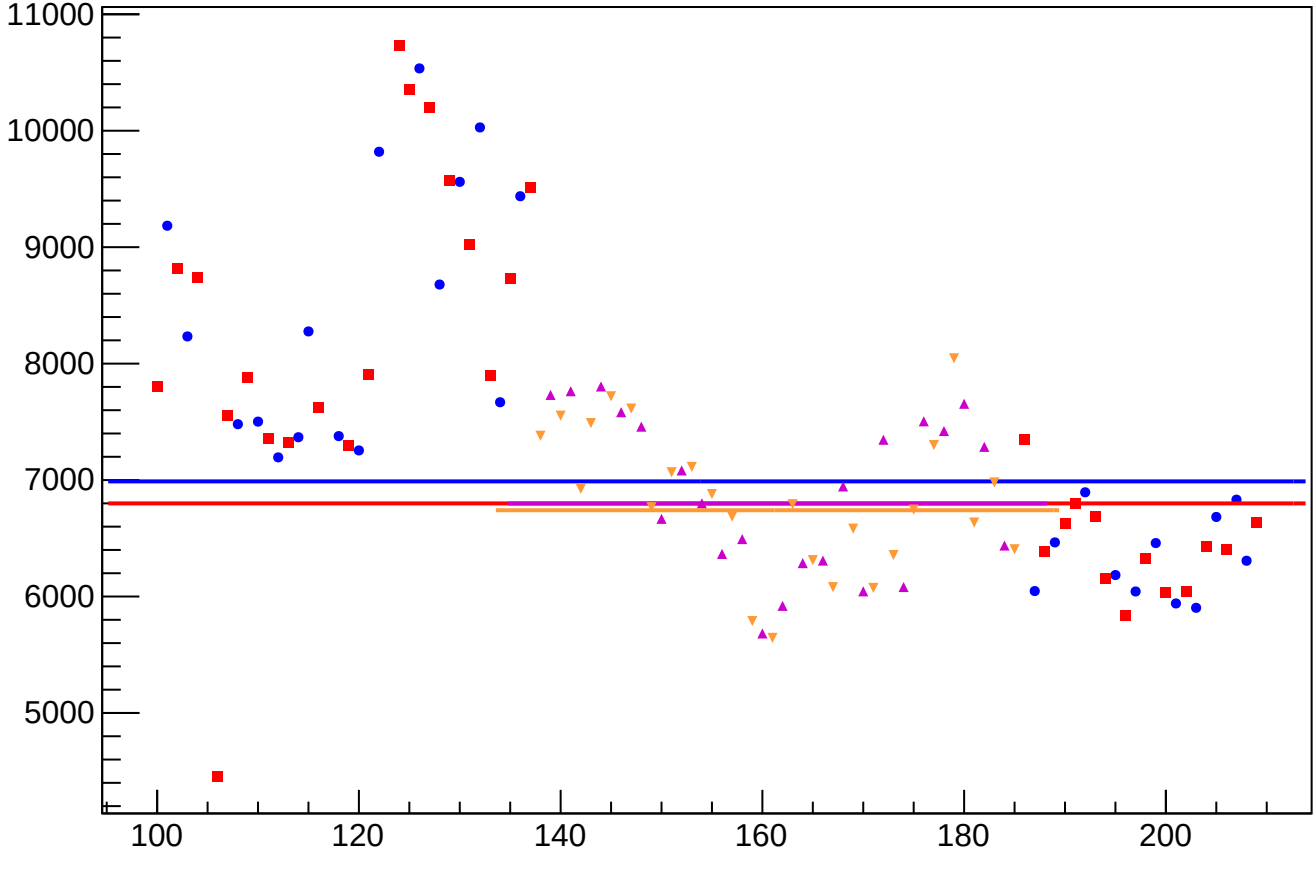
Right: -17.353+/-1.217 χ^2/NDF: 866.3/58

In: -13.944+/-1.194 χ^2/NDF:430.9/49

Out: -10.833+/-1.132 χ^2/NDF:518.8/56

All: -12.306+/-0.822 χ^2/NDF: 953.2/106

diff_bpm0l10X_rms vs Slug, Sign Corrected



Right In: 6988.660+/-1.263 χ^2/NDF: 830409.7/26

Left Out: 6740.835+/-1.094 χ^2/NDF:316707.6/24

Right Out: 6799.556+/-1.176 χ^2/NDF: 962284.5/31

Left In: 6798.524+/-1.135 χ^2/NDF:353277.6/22

Left: 6768.617+/-0.787 χ^2/NDF: 671325.3/47

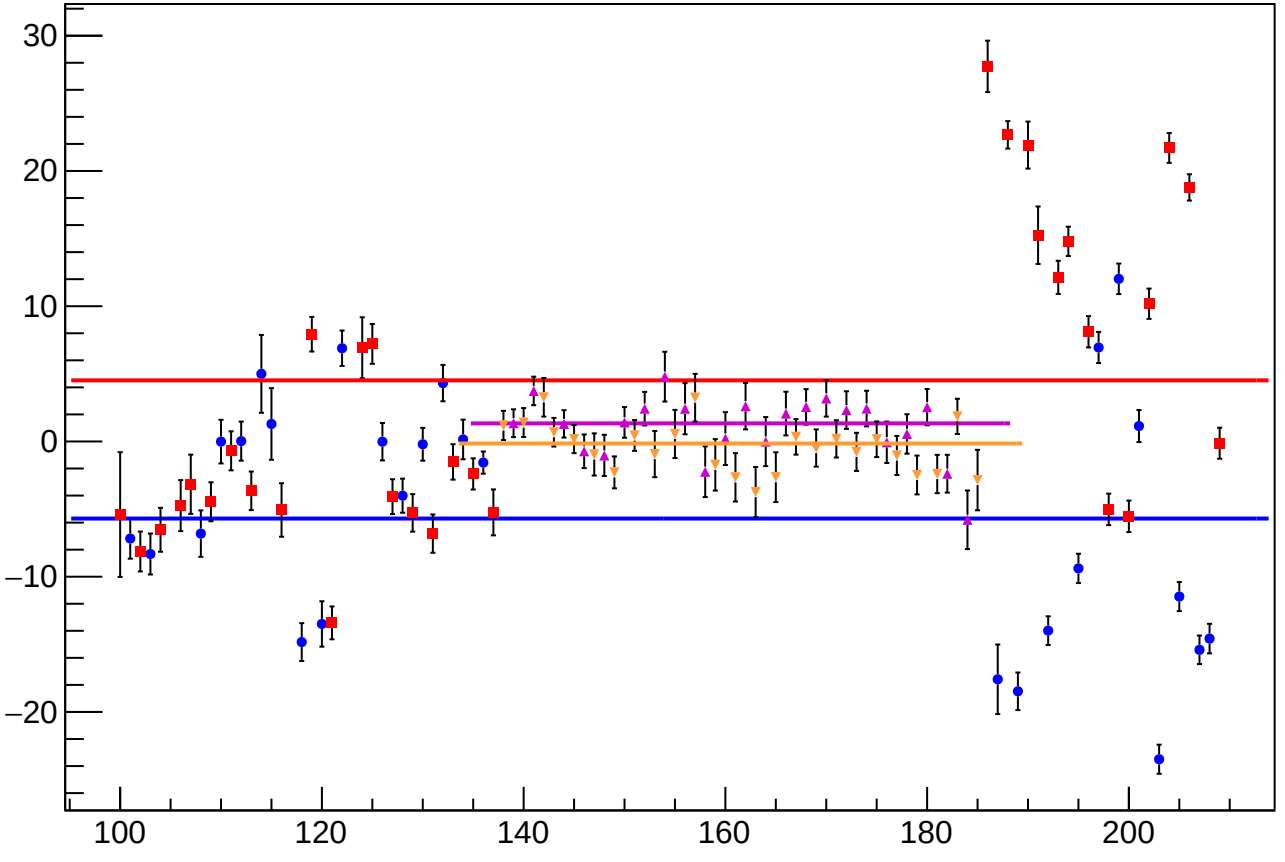
Right: 6887.316+/-0.861 χ^2/NDF: 1804702.2/58

In: 6883.419+/-0.844 χ^2/NDF:1196225.2/49

Out: 6768.076+/-0.801 χ^2/NDF:1280329.7/56

All: 6822.704+/-0.581 χ^2/NDF: 2486382.2/10

diff_bpm0l10Y_mean vs Slug, Sign Corrected



Right In: -5.699+/-0.248 χ^2/NDF: 1378.5/26

Left Out: -0.152+/-0.277 χ^2/NDF:36.1/24

Right Out: 4.518+/-0.240 χ^2/NDF: 2120.0/31

Left In: 1.337+/-0.290 χ^2/NDF:44.0/22

Left: 0.557+/-0.200 χ^2/NDF: 93.9/47

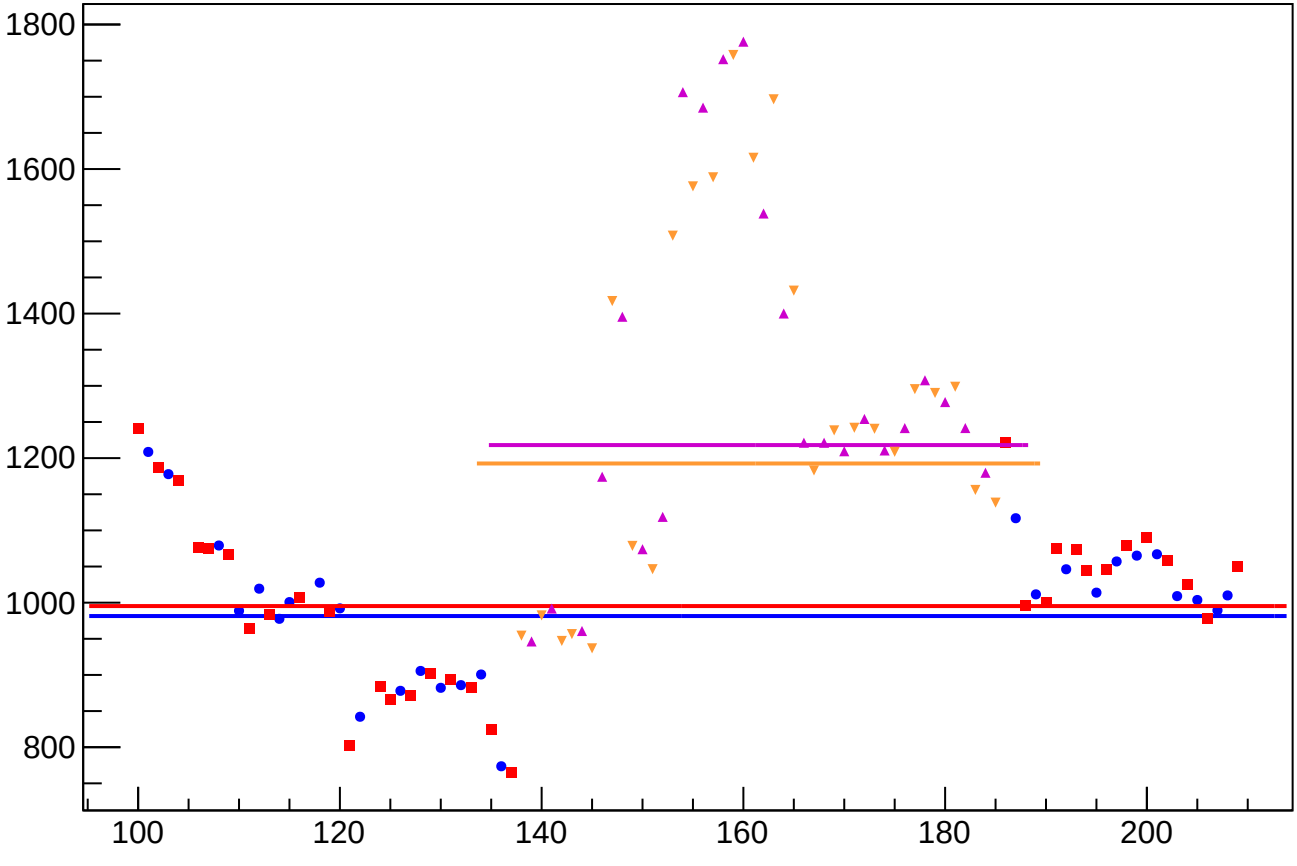
Right: -0.434+/-0.173 χ^2/NDF: 4373.8/58

In: -2.730+/-0.188 χ^2/NDF:1762.4/49

Out: 2.509+/-0.181 χ^2/NDF:2318.4/56

All: -0.012+/-0.131 χ^2/NDF: 4481.7/106

diff_bpm0l10Y_rms vs Slug, Sign Corrected



Right In: 981.488+/-0.175 χ^2/NDF: 338940.9/26

Left Out: 1192.579+/-0.196 χ^2/NDF:1320181.3/24

Right Out: 995.297+/-0.170 χ^2/NDF: 363470.9/31

Left In: 1218.058+/-0.205 χ^2/NDF:1127896.8/22

Left: 1204.714+/-0.142 χ^2/NDF: 2456154.6/47

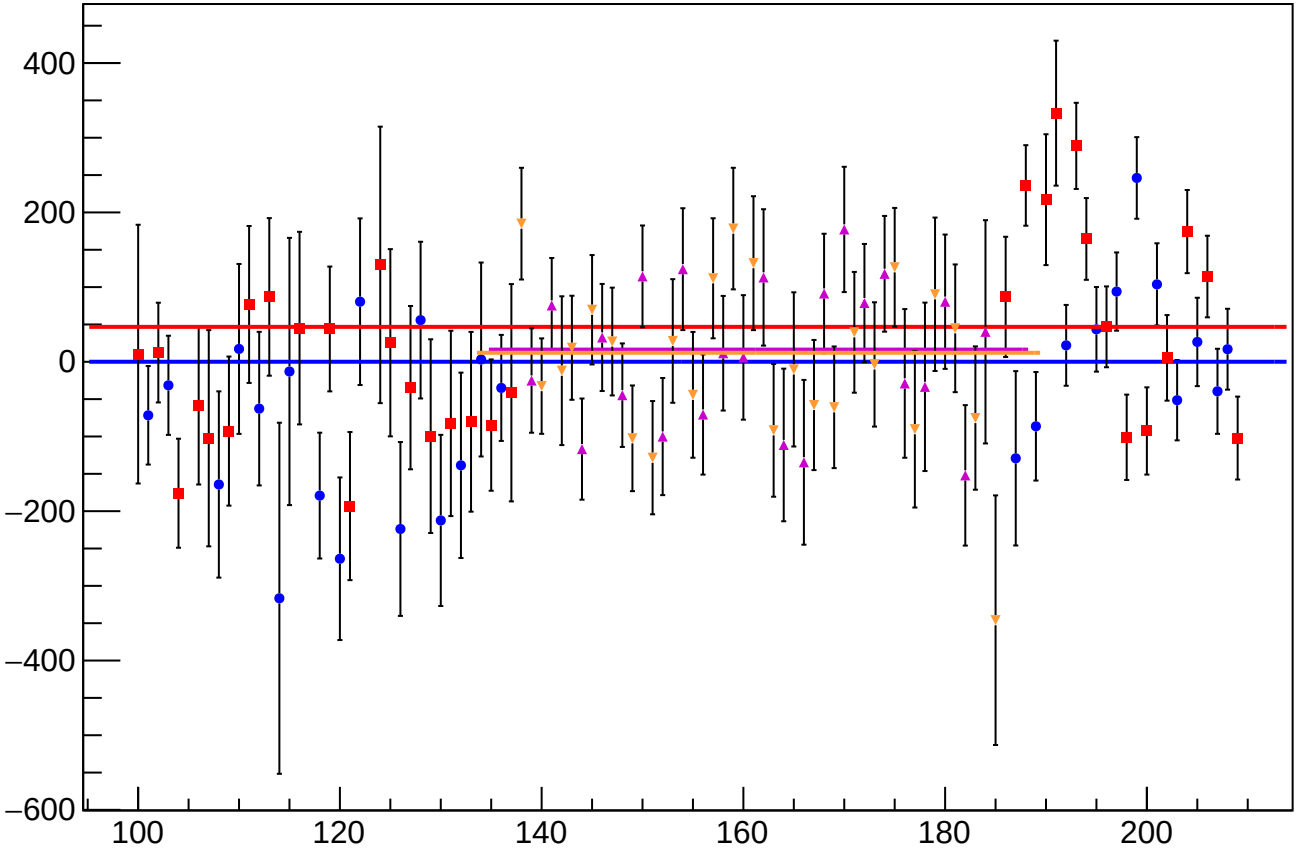
Right: 988.604+/-0.122 χ^2/NDF: 705610.0/58

In: 1081.308+/-0.133 χ^2/NDF:2235358.0/49

Out: 1080.163+/-0.128 χ^2/NDF:2262964.2/56

All: 1080.714+/-0.092 χ^2/NDF: 4498360.5/10

diff_bpm0r03X_mean vs Slug, Sign Corrected



Right In: 0.068+/-14.376 χ^2/NDF: 57.3/26

Left Out: 12.081+/-16.608 χ^2/NDF:32.8/24

Right Out: 46.776+/-13.721 χ^2/NDF: 100.8/31

Left In: 16.339+/-17.018 χ^2/NDF:28.7/22

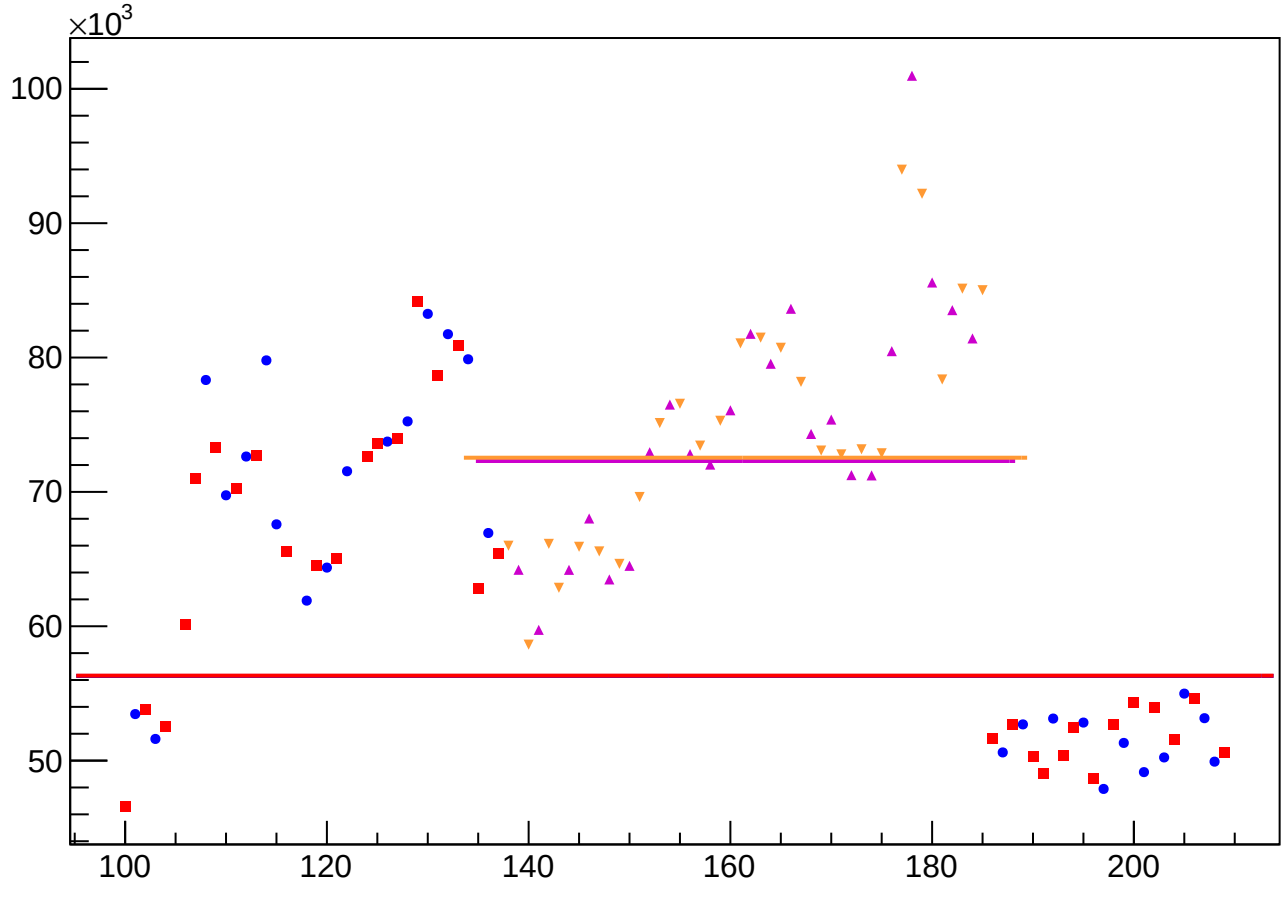
Left: 14.158+/-11.886 χ^2/NDF: 61.5/47

Right: 24.511+/-9.926 χ^2/NDF: 163.7/58

In: 6.844+/-10.982 χ^2/NDF:86.6/49

Out: 32.702+/-10.578 χ^2/NDF:136.2/56

All: 20.258+/-7.618 χ^2/NDF: 225.6/106



Right In: 56300.910+/-10.165 χ^2/NDF: 841613.3/26

Left Out: 72544.327+/-11.744 χ^2/NDF:500066.2/24

Right Out: 56322.667+/-9.702 χ^2/NDF: 747756.6/31

Left In: 72300.590+/-12.033 χ^2/NDF:488780.3/22

Left: 72425.429+/-8.405 χ^2/NDF: 989056.6/47

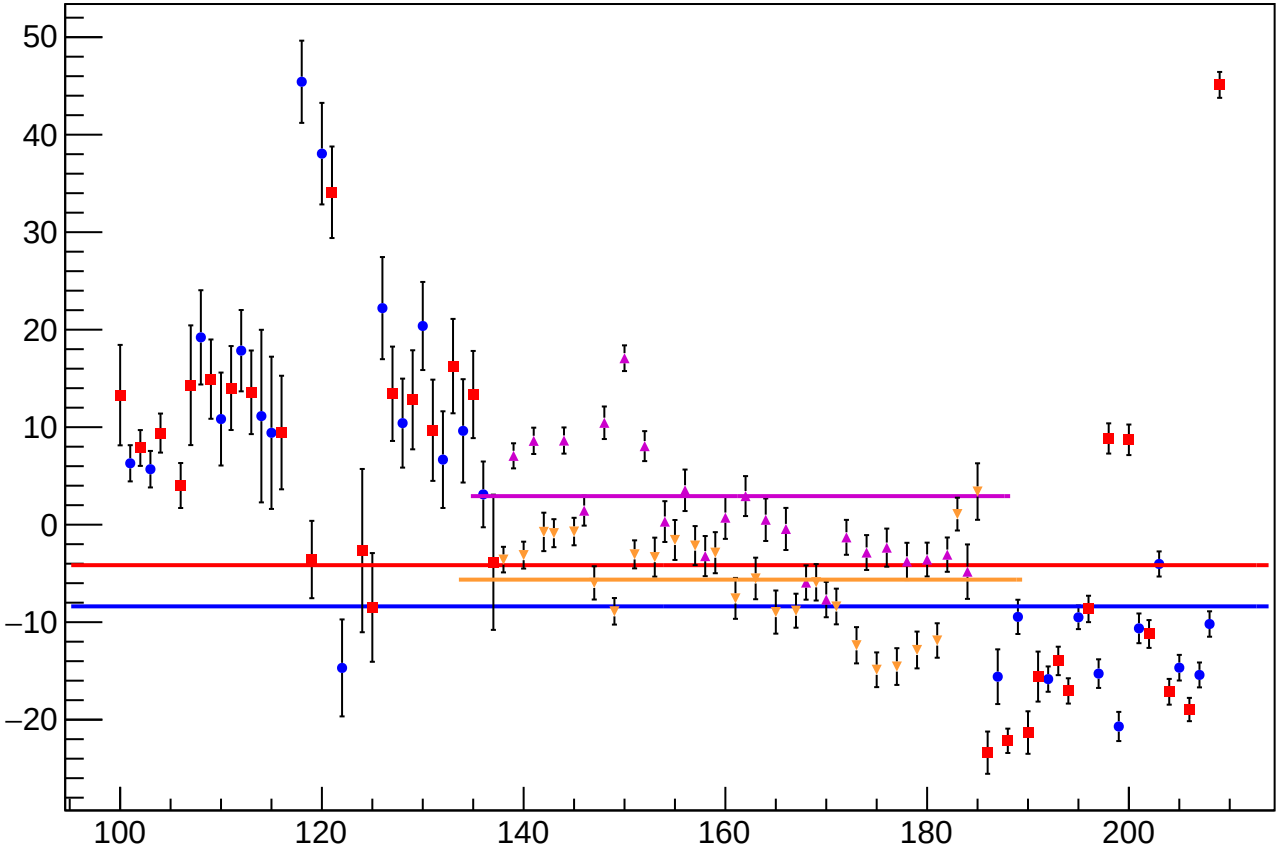
Right: 56312.296+/-7.018 χ^2/NDF: 1589372.3/58

In: 62963.932+/-7.765 χ^2/NDF:2362032.8/49

Out: 62902.997+/-7.480 χ^2/NDF:2381871.0/56

All: 62932.322+/-5.387 χ^2/NDF: 4743935.7/

diff_bpm0r03Y_mean vs Slug, Sign Corrected



Right In: -8.378+/-0.388 χ^2/NDF: 784.7/26

Left Out: -5.636+/-0.349 χ^2/NDF:178.2/24

Right Out: -4.153+/-0.368 χ^2/NDF: 2626.3/31

Left In: 2.929+/-0.362 χ^2/NDF:337.4/22

Left: -1.513+/-0.251 χ^2/NDF: 805.4/47

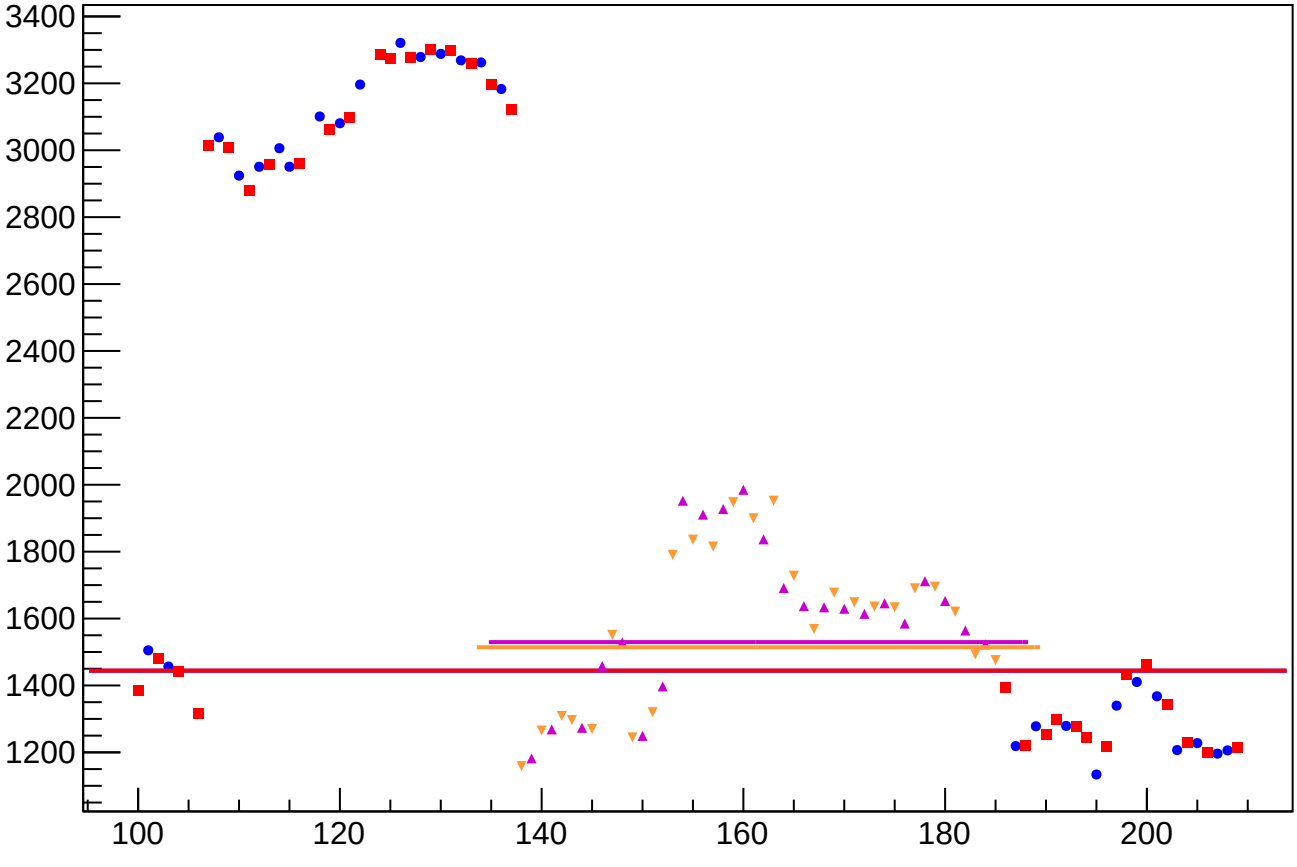
Right: -6.155+/-0.267 χ^2/NDF: 3473.3/58

In: -2.332+/-0.265 χ^2/NDF:1575.3/49

Out: -4.935+/-0.253 χ^2/NDF:2813.0/56

All: -3.691+/-0.183 χ^2/NDF: 4438.8/106

diff_bpm0r03Y_rms vs Slug, Sign Corrected



Right In: 1444.177+/-0.275 χ^2/NDF: 3990953.0/26

Left Out: 1514.334+/-0.247 χ^2/NDF:933332.1/24

Right Out: 1444.309+/-0.261 χ^2/NDF: 3871613.5/31

Left In: 1529.635+/-0.256 χ^2/NDF:828481.7/22

Left: 1521.700+/-0.178 χ^2/NDF: 1763664.0/47

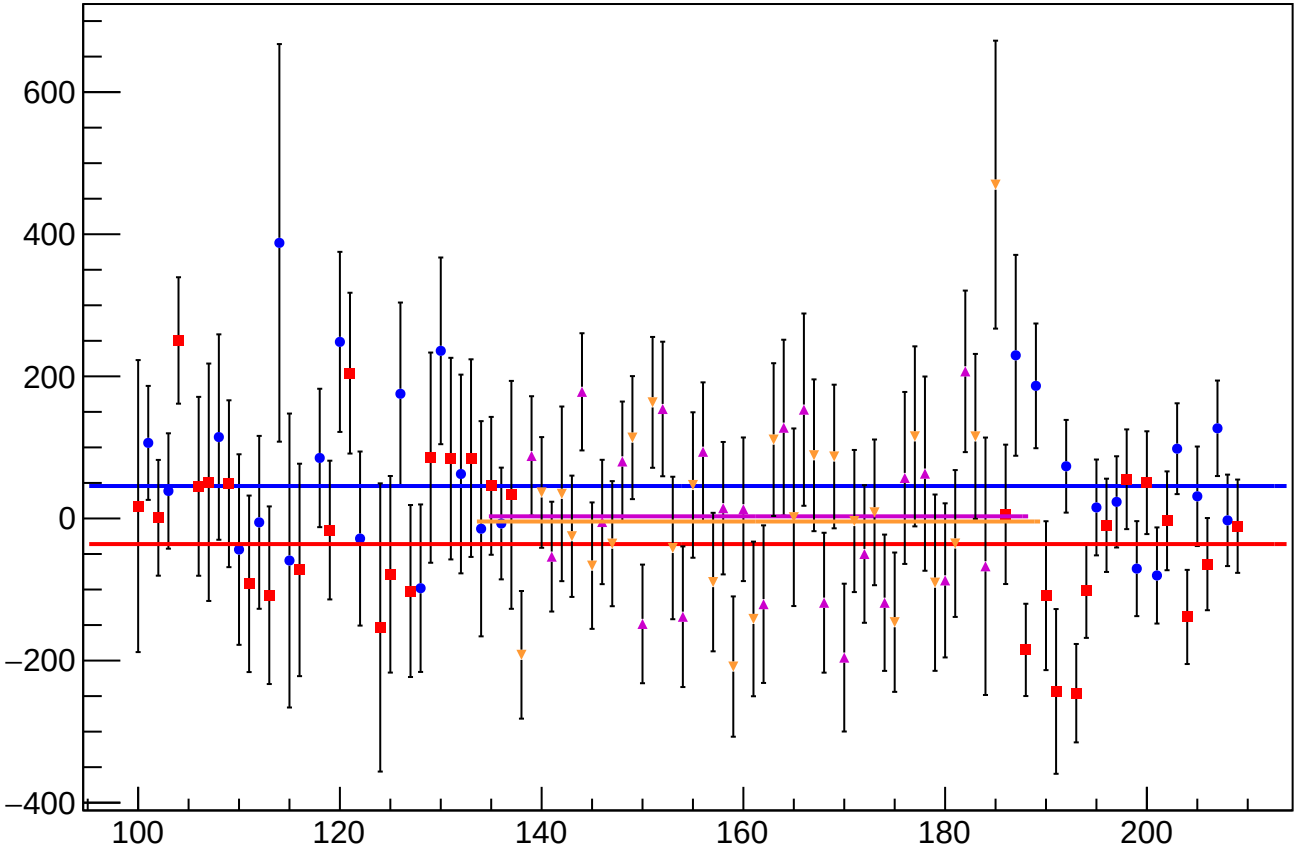
Right: 1444.247+/-0.189 χ^2/NDF: 7862566.5/58

In: 1489.874+/-0.187 χ^2/NDF:4871214.1/49

Out: 1481.220+/-0.179 χ^2/NDF:4843014.4/56

All: 1485.355+/-0.129 χ^2/NDF: 9715343.2/10

diff_bpm0r05X_mean vs Slug, Sign Corrected



Right In: 45.661+/-17.082 χ^2/NDF: 25.5/26

Left Out: -4.274+/-20.240 χ^2/NDF:30.4/24

Right Out: -36.040+/-16.354 χ^2/NDF: 46.3/31

Left In: 3.017+/-20.720 χ^2/NDF:30.7/22

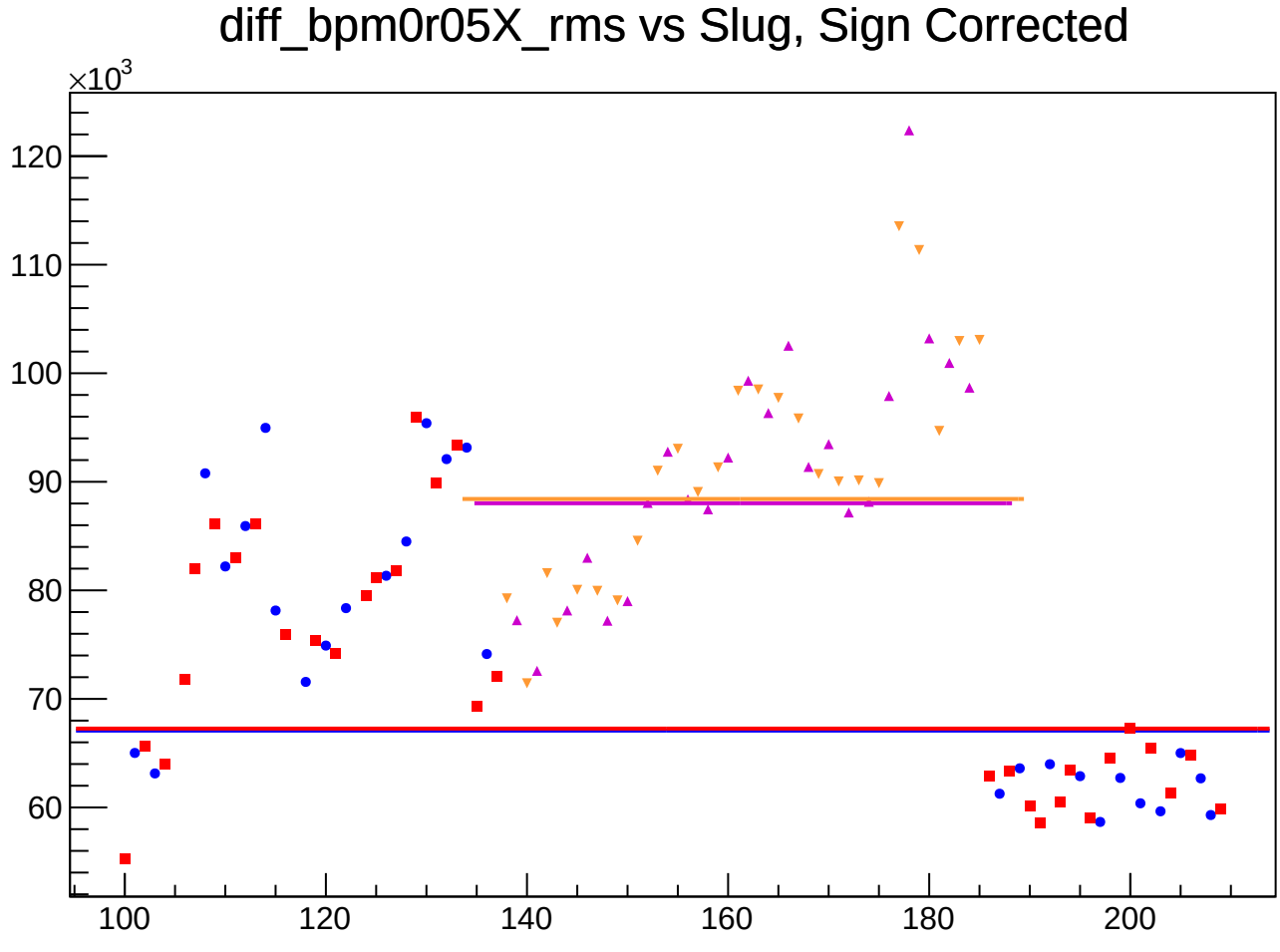
Left: -0.714+/-14.478 χ^2/NDF: 61.2/47

Right: 3.032+/-11.813 χ^2/NDF: 83.8/58

In: 28.405+/-13.180 χ^2/NDF:58.7/49

Out: -23.493+/-12.720 χ^2/NDF:78.3/56

All: 1.535+/-9.153 χ^2/NDF: 145.0/106



Right In: 67082.338+/-12.079 χ^2/NDF: 636148.8/26

Left Out: 88417.953+/-14.312 χ^2/NDF:481954.0/24

Right Out: 67264.464+/-11.564 χ^2/NDF: 579454.4/31

Left In: 88023.592+/-14.651 χ^2/NDF:484812.2/22

Left: 88225.391+/-10.238 χ^2/NDF: 967137.0/47

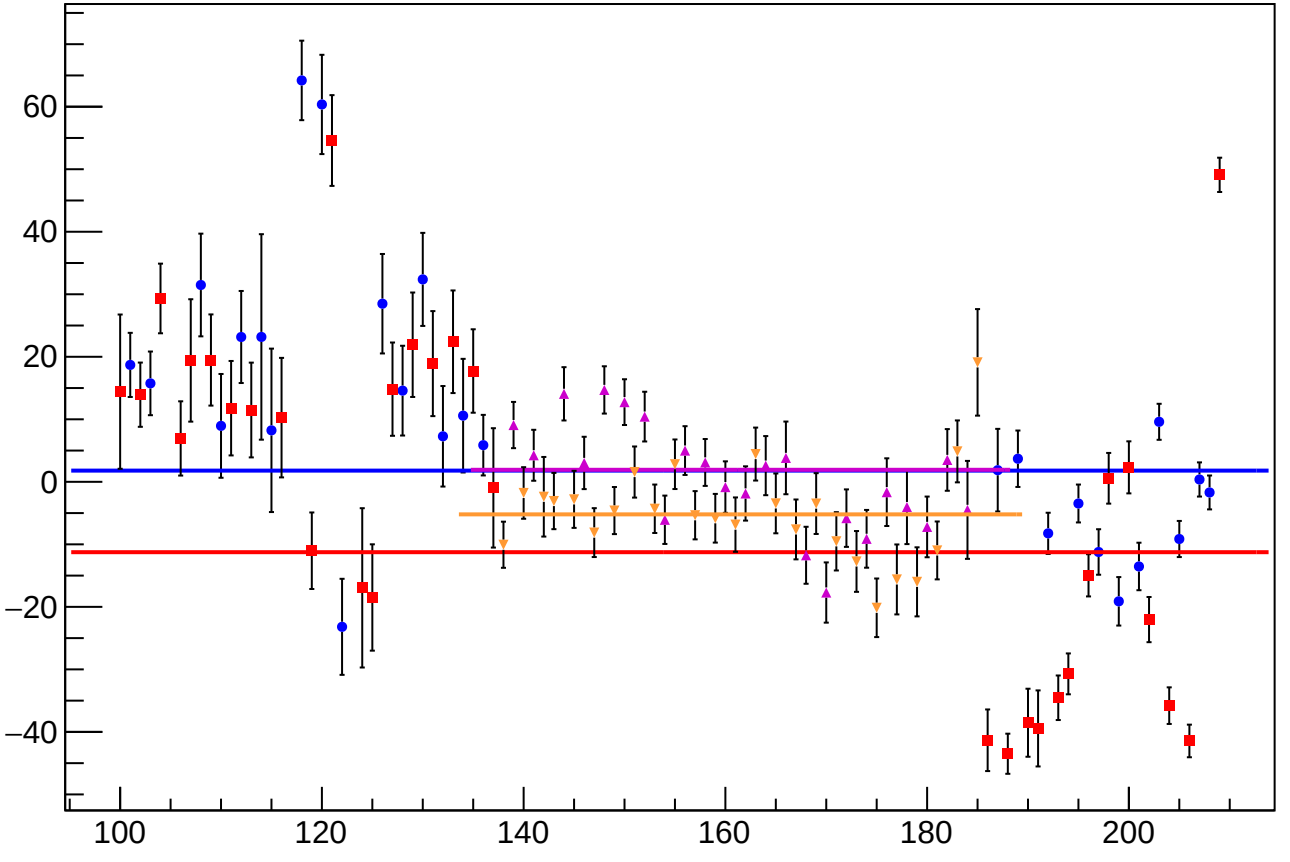
Right: 67177.366+/-8.353 χ^2/NDF: 1215721.7/58

In: 75556.086+/-9.320 χ^2/NDF:2337263.8/49

Out: 75619.672+/-8.995 χ^2/NDF:2383139.1/56

All: 75589.008+/-6.472 χ^2/NDF: 4720427.0/1

diff_bpm0r05Y_mean vs Slug, Sign Corrected



Right In: 1.793+/-0.874 χ^2/NDF: 331.6/26

Left Out: -5.206+/-0.894 χ^2/NDF:51.0/24

Right Out: -11.255+/-0.848 χ^2/NDF: 1283.7/31

Left In: 1.924+/-0.916 χ^2/NDF:83.2/22

Left: -1.729+/-0.640 χ^2/NDF: 165.2/47

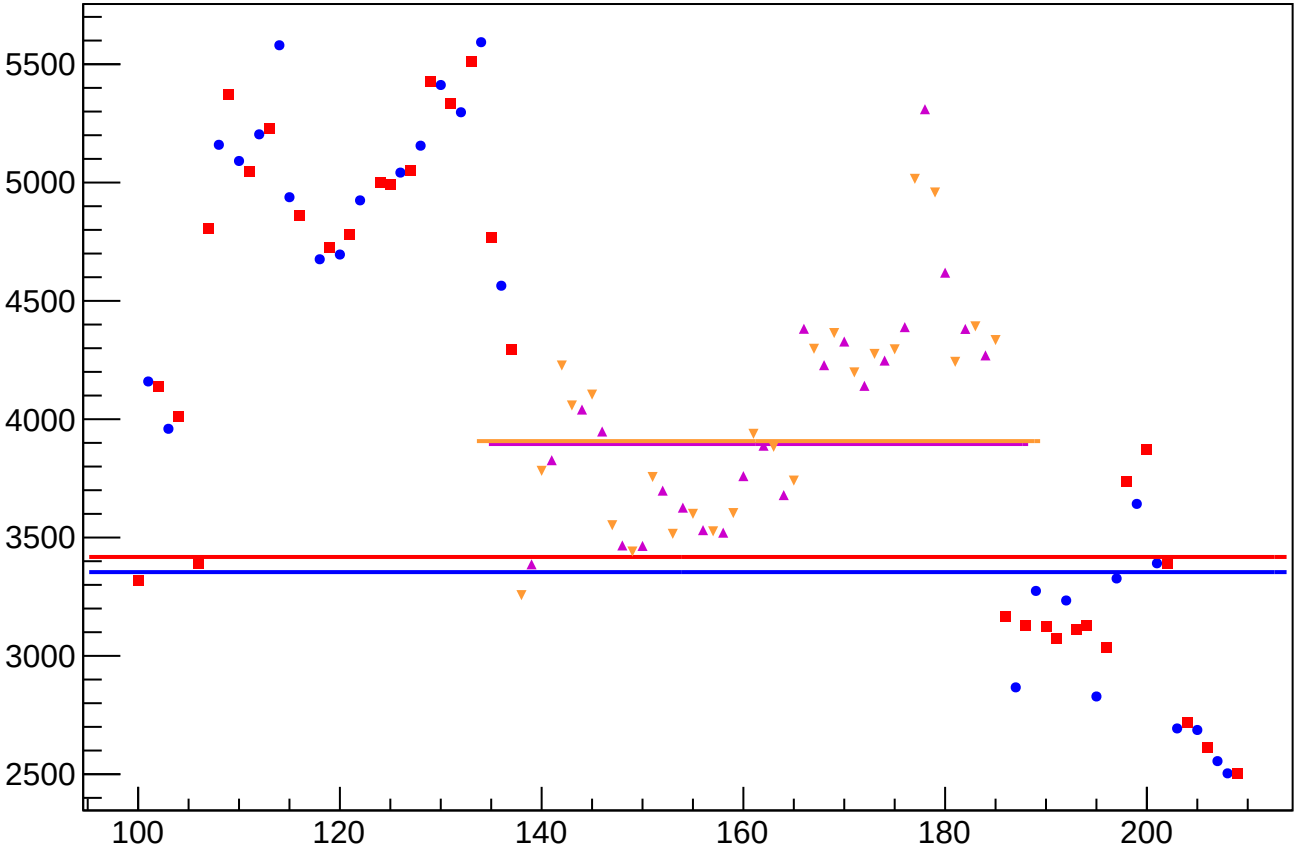
Right: -4.929+/-0.608 χ^2/NDF: 1730.1/58

In: 1.855+/-0.632 χ^2/NDF:414.8/49

Out: -8.391+/-0.615 χ^2/NDF:1358.8/56

All: -3.410+/-0.441 χ^2/NDF: 1908.5/106

diff_bpm0r05Y_rms vs Slug, Sign Corrected



Right In: 3353.938+/-0.618 χ^2/NDF: 2078528.2/26

Left Out: 3907.465+/-0.632 χ^2/NDF:441202.5/24

Right Out: 3417.935+/-0.599 χ^2/NDF: 1956557.7/31

Left In: 3895.108+/-0.648 χ^2/NDF:409913.9/22

Left: 3901.439+/-0.452 χ^2/NDF: 851302.8/47

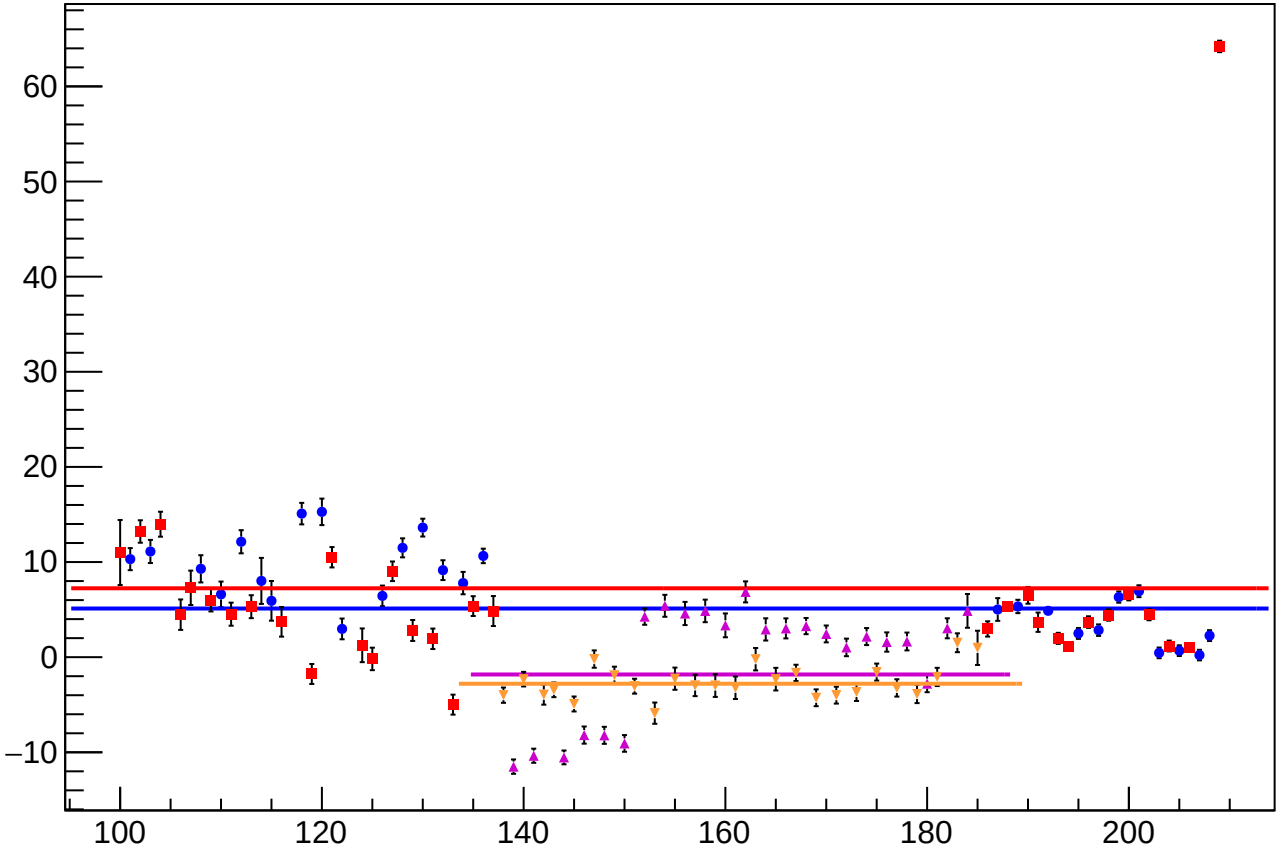
Right: 3386.907+/-0.430 χ^2/NDF: 4040612.3/58

In: 3611.703+/-0.447 χ^2/NDF:2853801.1/49

Out: 3649.742+/-0.435 χ^2/NDF:2713579.8/56

All: 3631.249+/-0.312 χ^2/NDF: 5571099.5/10

diff_bpm2i01X_mean vs Slug, Sign Corrected



Right In: 5.114+/-0.154 χ^2/NDF: 701.8/26

Left Out: -2.792+/-0.190 χ^2/NDF:68.4/24

Right Out: 7.241+/-0.146 χ^2/NDF: 9855.0/31

Left In: -1.820+/-0.198 χ^2/NDF:1026.0/22

Left: -2.327+/-0.137 χ^2/NDF: 1107.0/47

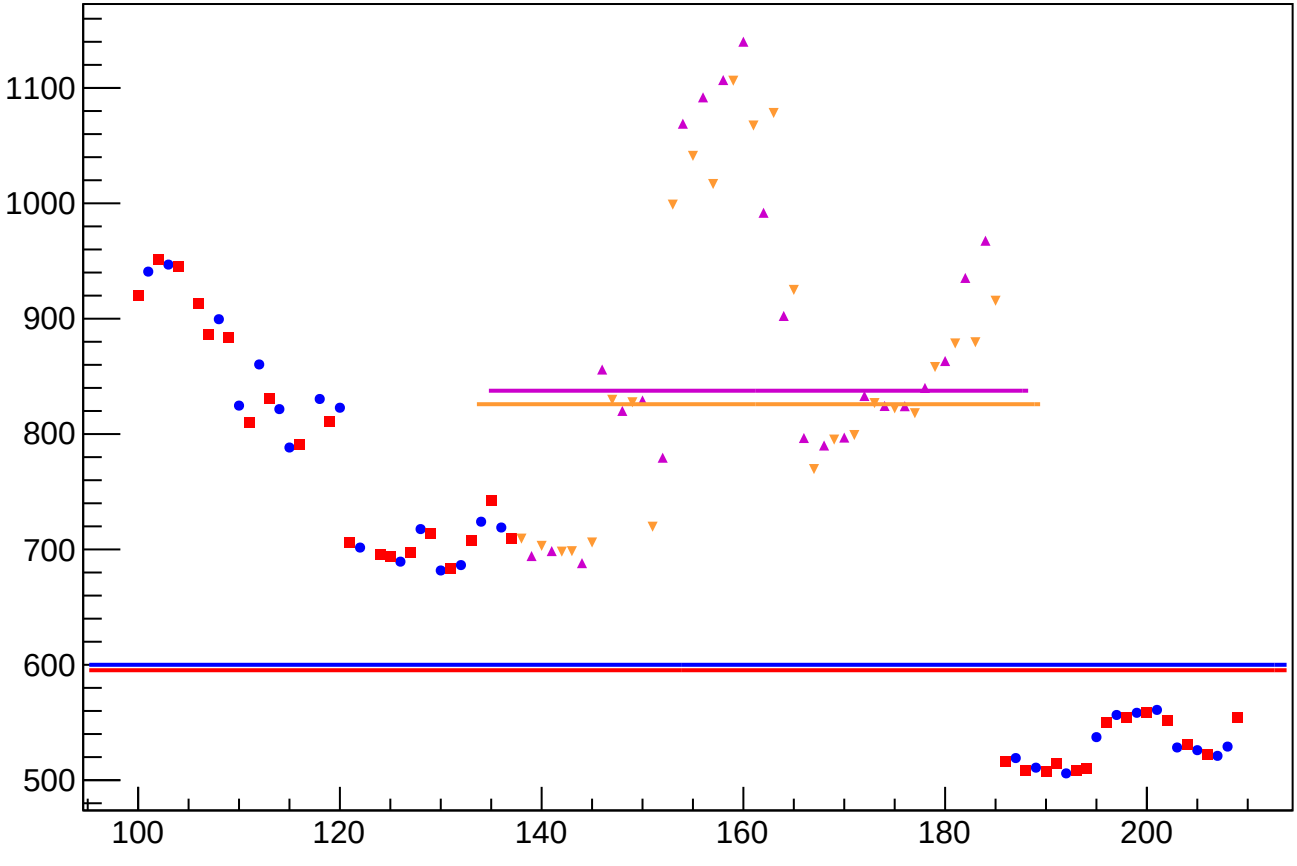
Right: 6.233+/-0.106 χ^2/NDF: 10657.6/58

In: 2.511+/-0.121 χ^2/NDF:2492.5/49

Out: 3.523+/-0.116 χ^2/NDF:11677.4/56

All: 3.041+/-0.084 χ^2/NDF: 14206.4/106

diff_bpm2i01X_rms vs Slug, Sign Corrected



Right In: 600.014+/-0.109 χ^2/NDF: 1194596.4/26

Left Out: 825.883+/-0.134 χ^2/NDF:765050.9/24

Right Out: 595.294+/-0.103 χ^2/NDF: 1334477.0/31

Left In: 837.569+/-0.140 χ^2/NDF:714157.0/22

Left: 831.482+/-0.097 χ^2/NDF: 1482830.3/47

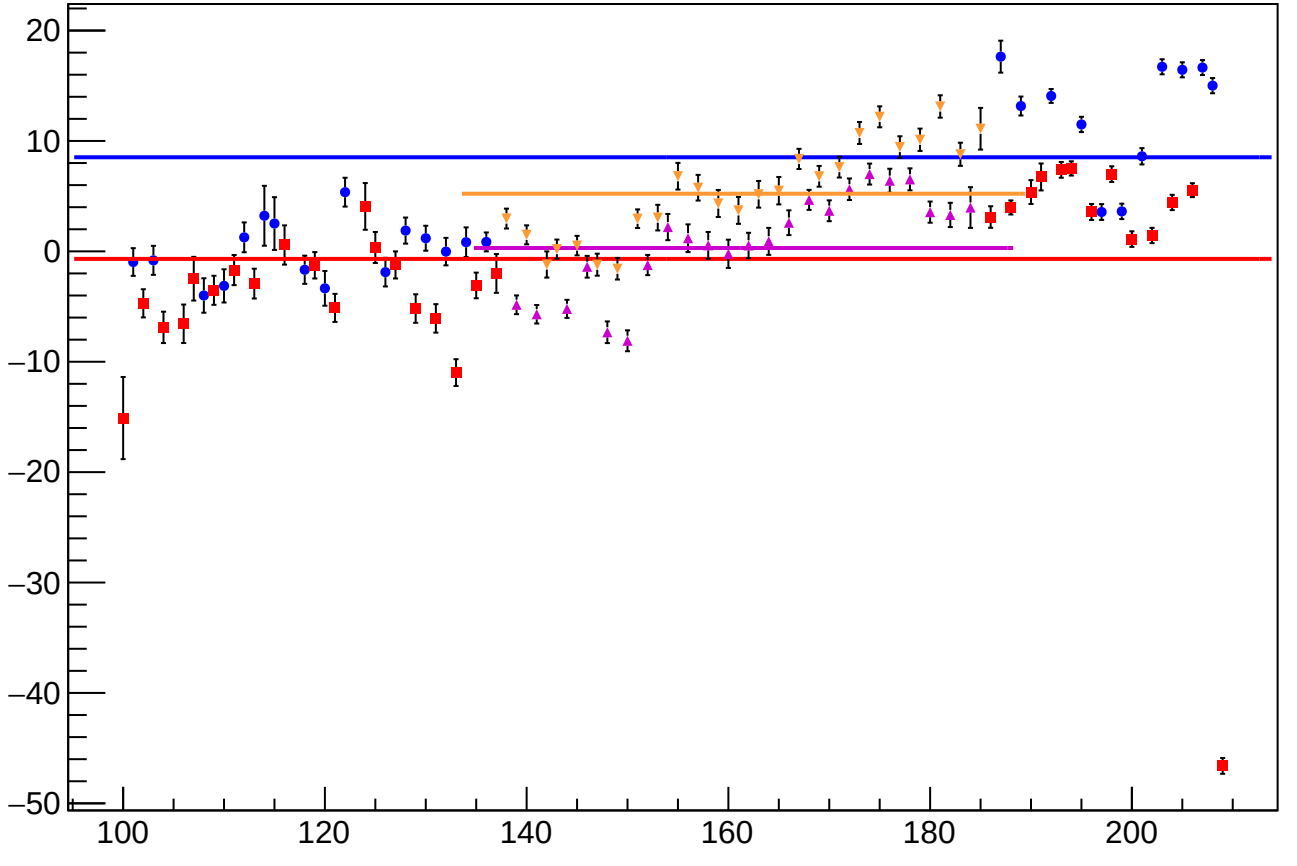
Right: 597.531+/-0.075 χ^2/NDF: 2530066.5/58

In: 689.209+/-0.086 χ^2/NDF:3703680.0/49

Out: 680.738+/-0.082 χ^2/NDF:3952380.5/56

All: 684.769+/-0.059 χ^2/NDF: 7661162.0/106

diff_bpm2i01Y_mean vs Slug, Sign Corrected



Right In: 8.521+/-0.182 χ^2/NDF: 1469.4/26

Left Out: 5.219+/-0.204 χ^2/NDF:449.9/24

Right Out: -0.684+/-0.173 χ^2/NDF: 5060.0/31

Left In: 0.304+/-0.213 χ^2/NDF:495.2/22

Left: 2.859+/-0.147 χ^2/NDF: 1222.8/47

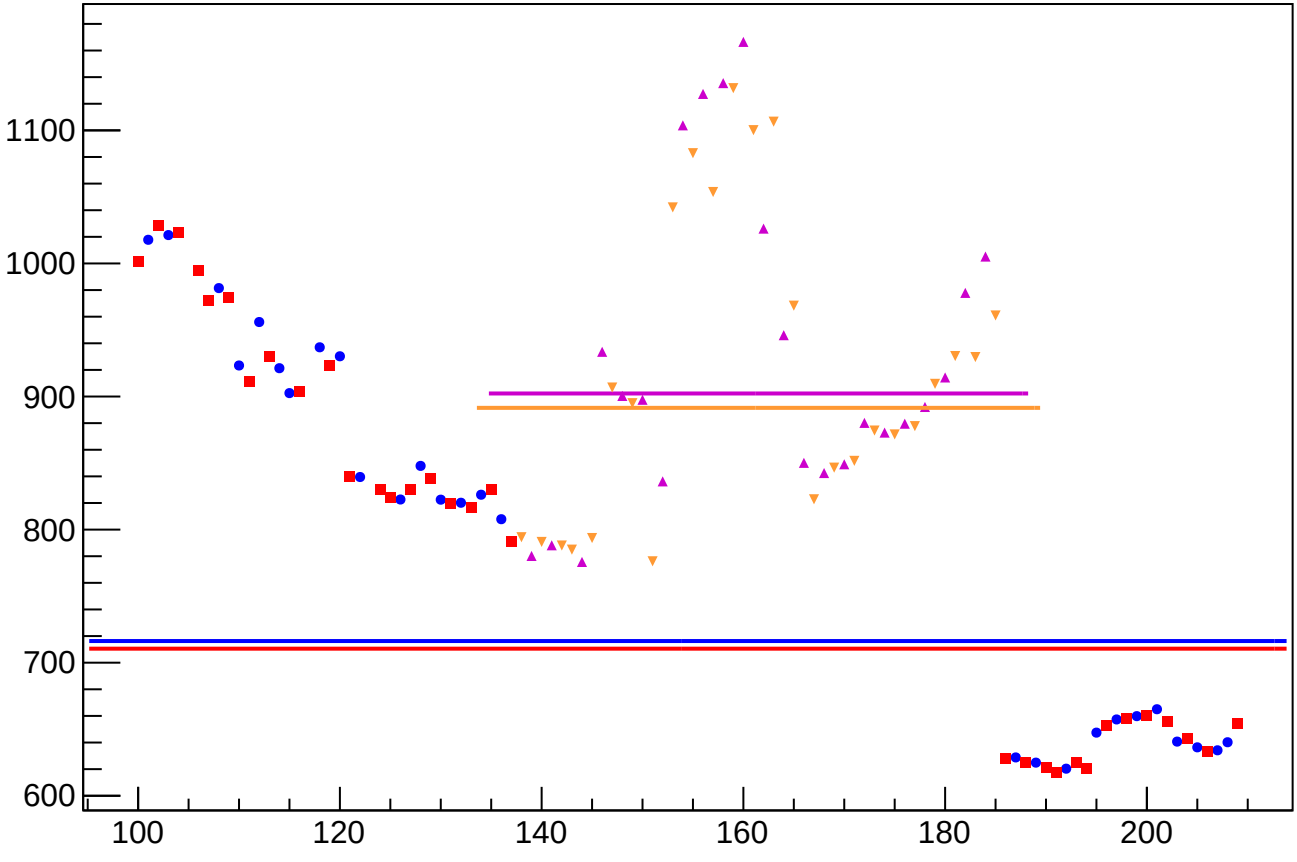
Right: 3.678+/-0.126 χ^2/NDF: 7868.7/58

In: 5.037+/-0.138 χ^2/NDF:2824.6/49

Out: 1.783+/-0.132 χ^2/NDF:5995.6/56

All: 3.333+/-0.096 χ^2/NDF: 9109.4/106

diff_bpm2i01Y_rms vs Slug, Sign Corrected



Right In: 716.266+/-0.129 χ^2/NDF: 864262.6/26

Left Out: 891.492+/-0.145 χ^2/NDF:517791.6/24

Right Out: 710.532+/-0.122 χ^2/NDF: 970481.4/31

Left In: 902.292+/-0.150 χ^2/NDF:484924.8/22

Left: 896.677+/-0.104 χ^2/NDF: 1005398.0/47

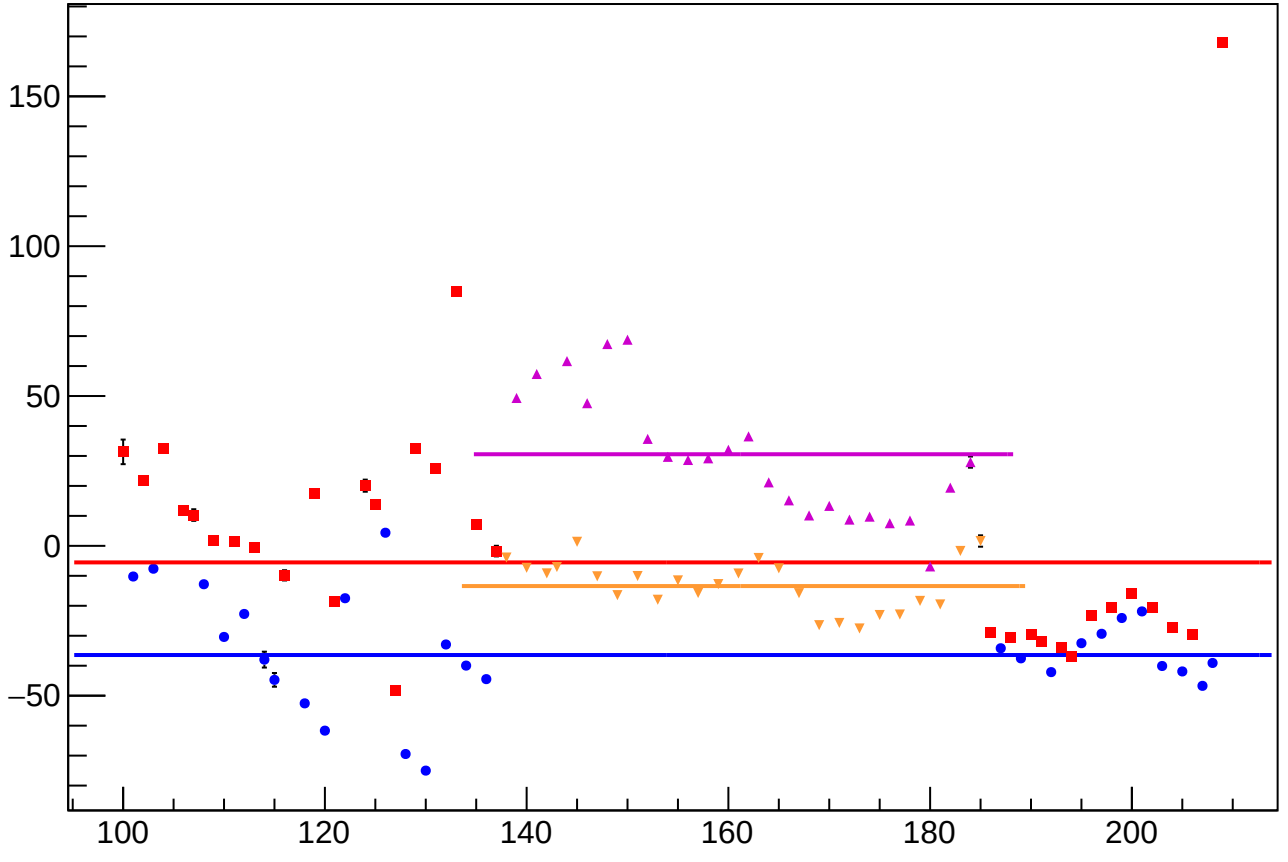
Right: 713.249+/-0.089 χ^2/NDF: 1835783.2/58

In: 795.144+/-0.098 χ^2/NDF:2230690.0/49

Out: 786.149+/-0.093 χ^2/NDF:2401090.4/56

All: 790.435+/-0.068 χ^2/NDF: 4636198.5/106

diff_bpm2i02X_mean vs Slug, Sign Corrected



Right In: -36.430+/-0.179 χ^2/NDF: 6467.7/26

Left Out: -13.420+/-0.206 χ^2/NDF:1663.3/24

Right Out: -5.524+/-0.170 χ^2/NDF: 79726.7/31

Left In: 30.571+/-0.215 χ^2/NDF:10386.5/22

Left: 7.613+/-0.149 χ^2/NDF: 33863.7/47

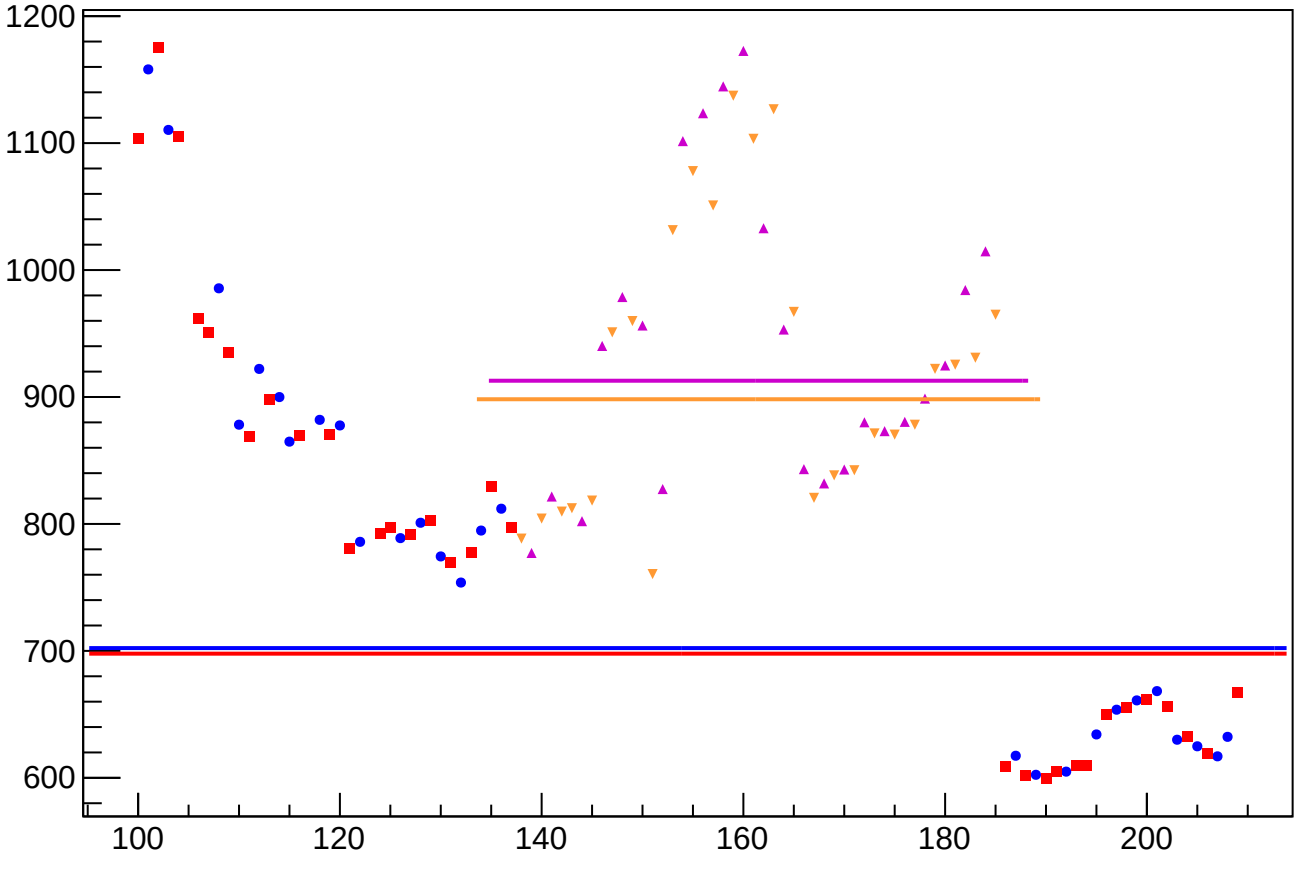
Right: -20.190+/-0.123 χ^2/NDF: 101848.7/58

In: -9.017+/-0.138 χ^2/NDF:74142.7/49

Out: -8.728+/-0.131 χ^2/NDF:82263.6/56

All: -8.865+/-0.095 χ^2/NDF: 156408.6/106

diff_bpm2i02X_rms vs Slug, Sign Corrected



Right In: 702.204+/-0.127 χ^2/NDF: 936026.9/26

Left Out: 898.227+/-0.146 χ^2/NDF:518370.6/24

Right Out: 697.818+/-0.120 χ^2/NDF: 1029163.0/31

Left In: 912.817+/-0.152 χ^2/NDF:480021.0/22

Left: 905.203+/-0.105 χ^2/NDF: 1003190.0/47

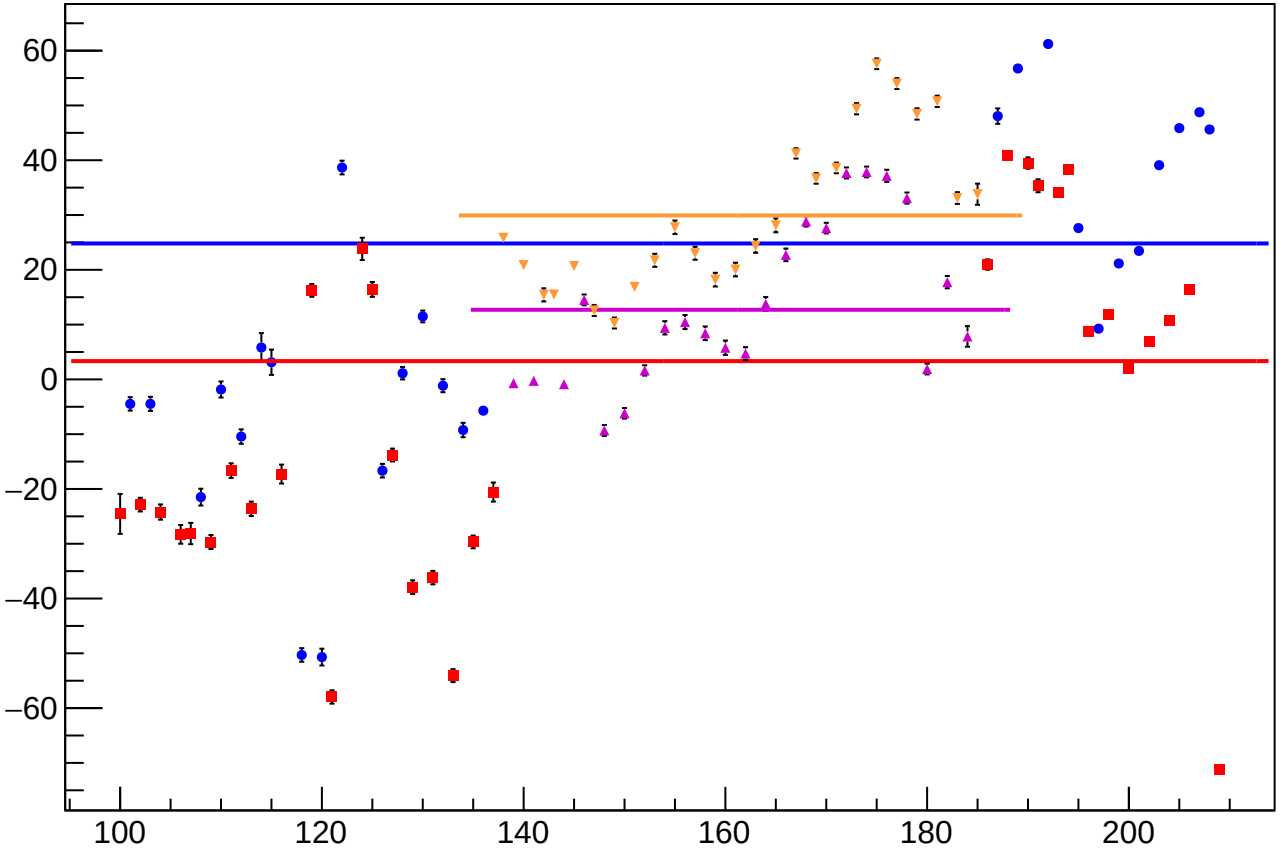
Right: 699.900+/-0.087 χ^2/NDF: 1965820.5/58

In: 788.376+/-0.097 χ^2/NDF:2548182.1/49

Out: 779.123+/-0.093 χ^2/NDF:2673011.4/56

All: 783.527+/-0.067 χ^2/NDF: 5225929.8/106

diff_bpm2i02Y_mean vs Slug, Sign Corrected



Right In: 24.809+/-0.177 χ^2/NDF: 23157.1/26

Left Out: 29.922+/-0.209 χ^2/NDF:4580.4/24

Right Out: 3.337+/-0.168 χ^2/NDF: 34898.7/31

Left In: 12.708+/-0.217 χ^2/NDF:4791.2/22

Left: 21.661+/-0.150 χ^2/NDF: 12640.8/47

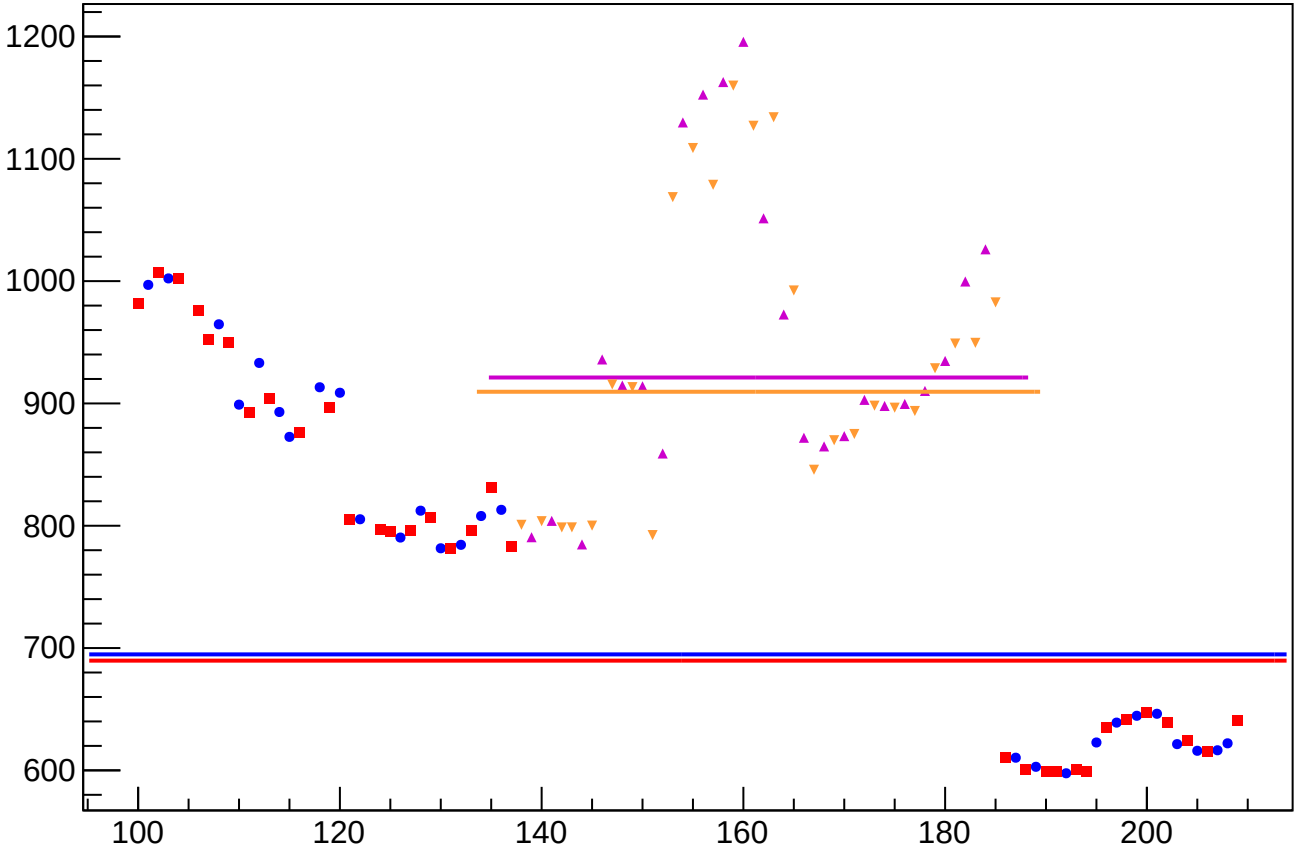
Right: 13.516+/-0.122 χ^2/NDF: 65791.3/58

In: 19.976+/-0.137 χ^2/NDF:29813.9/49

Out: 13.806+/-0.131 χ^2/NDF:49329.0/56

All: 16.745+/-0.095 χ^2/NDF: 80201.9/106

diff_bpm2i02Y_rms vs Slug, Sign Corrected



Right In: 694.821+/-0.125 χ^2/NDF: 894563.8/26

Left Out: 909.552+/-0.147 χ^2/NDF:541710.0/24

Right Out: 689.711+/-0.119 χ^2/NDF: 994770.1/31

Left In: 921.198+/-0.154 χ^2/NDF:497337.0/22

Left: 915.140+/-0.106 χ^2/NDF: 1042039.9/47

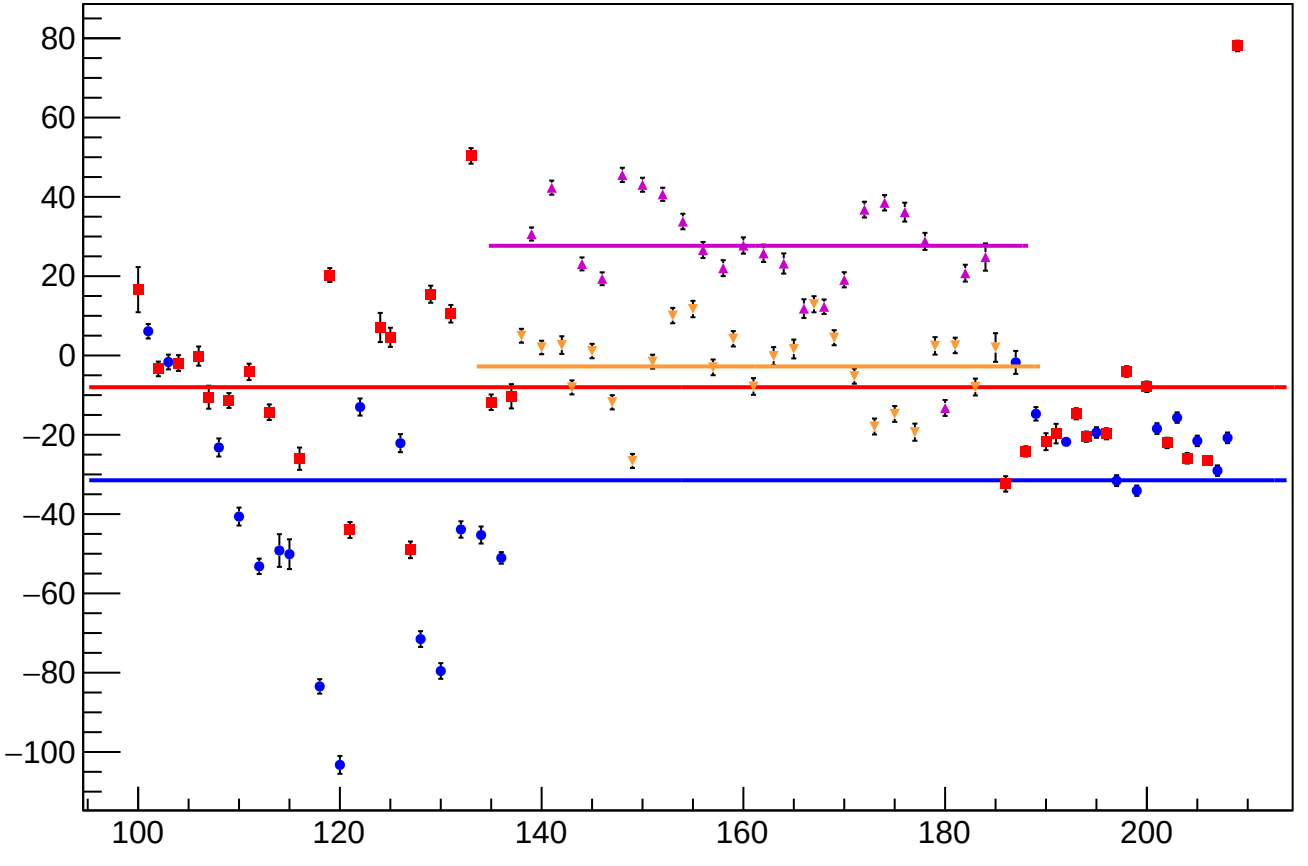
Right: 692.134+/-0.086 χ^2/NDF: 1890209.9/58

In: 785.226+/-0.097 χ^2/NDF:2697723.8/49

Out: 776.282+/-0.093 χ^2/NDF:2883633.2/56

All: 780.543+/-0.067 χ^2/NDF: 5585806.4/106

diff_bpm0i02X_mean vs Slug, Sign Corrected



Right In: -31.476+/-0.328 χ^2/NDF: 4749.6/26

Left Out: -2.767+/-0.397 χ^2/NDF:616.1/24

Right Out: -8.001+/-0.313 χ^2/NDF: 7437.4/31

Left In: 27.663+/-0.409 χ^2/NDF:989.9/22

Left: 12.021+/-0.285 χ^2/NDF: 4455.3/47

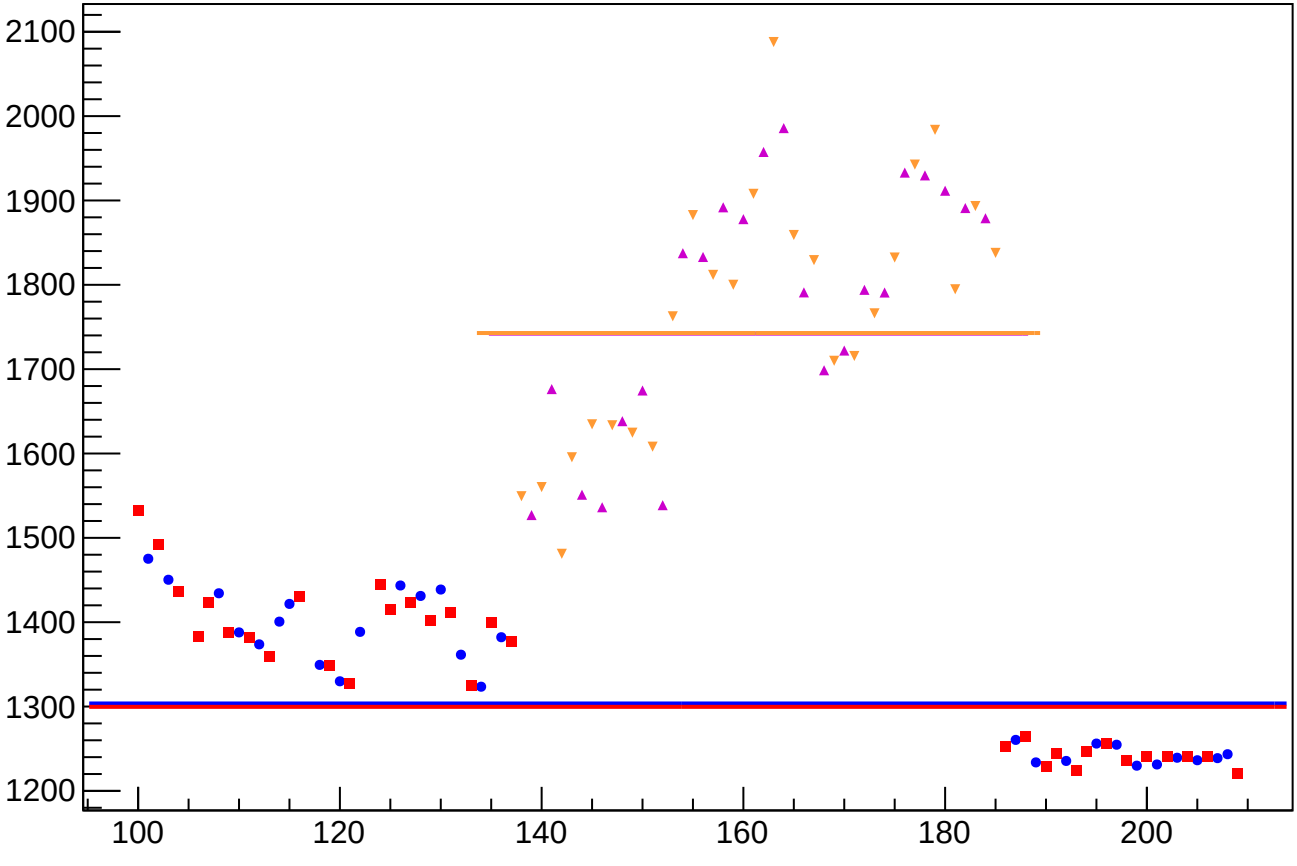
Right: -19.181+/-0.226 χ^2/NDF: 14868.9/58

In: -8.305+/-0.256 χ^2/NDF:18472.4/49

Out: -5.999+/-0.246 χ^2/NDF:8160.7/56

All: -7.106+/-0.177 χ^2/NDF: 26675.3/106

diff_bpm0i02X_rms vs Slug, Sign Corrected



Right In: 1303.640+/-0.232 χ^2/NDF: 127949.9/26

Left Out: 1742.842+/-0.281 χ^2/NDF:263118.4/24

Right Out: 1299.641+/-0.221 χ^2/NDF: 132008.4/31

Left In: 1742.153+/-0.289 χ^2/NDF:261606.6/22

Left: 1742.507+/-0.201 χ^2/NDF: 524727.9/47

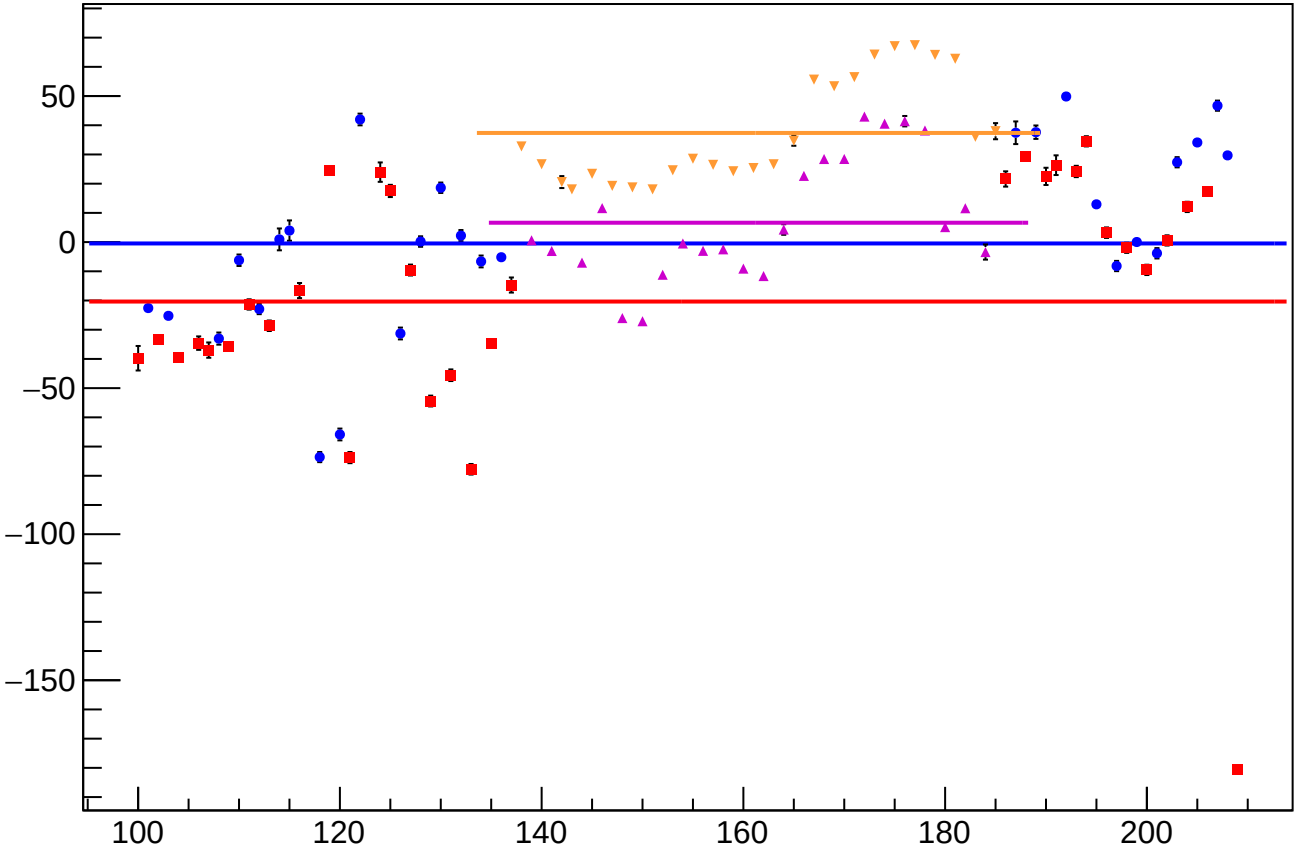
Right: 1301.545+/-0.160 χ^2/NDF: 260113.9/58

In: 1475.449+/-0.181 χ^2/NDF:1789714.4/49

Out: 1469.187+/-0.174 χ^2/NDF:1931001.3/56

All: 1472.193+/-0.125 χ^2/NDF: 3721338.8/10

diff_bpm0i02Y_mean vs Slug, Sign Corrected



Right In: -0.466+/-0.352 χ^2/NDF: 7624.0/26

Left Out: 37.369+/-0.308 χ^2/NDF:3395.8/24

Right Out: -20.354+/-0.339 χ^2/NDF: 18436.8/31

Left In: 6.631+/-0.316 χ^2/NDF:4410.3/22

Left: 22.404+/-0.221 χ^2/NDF: 12659.0/47

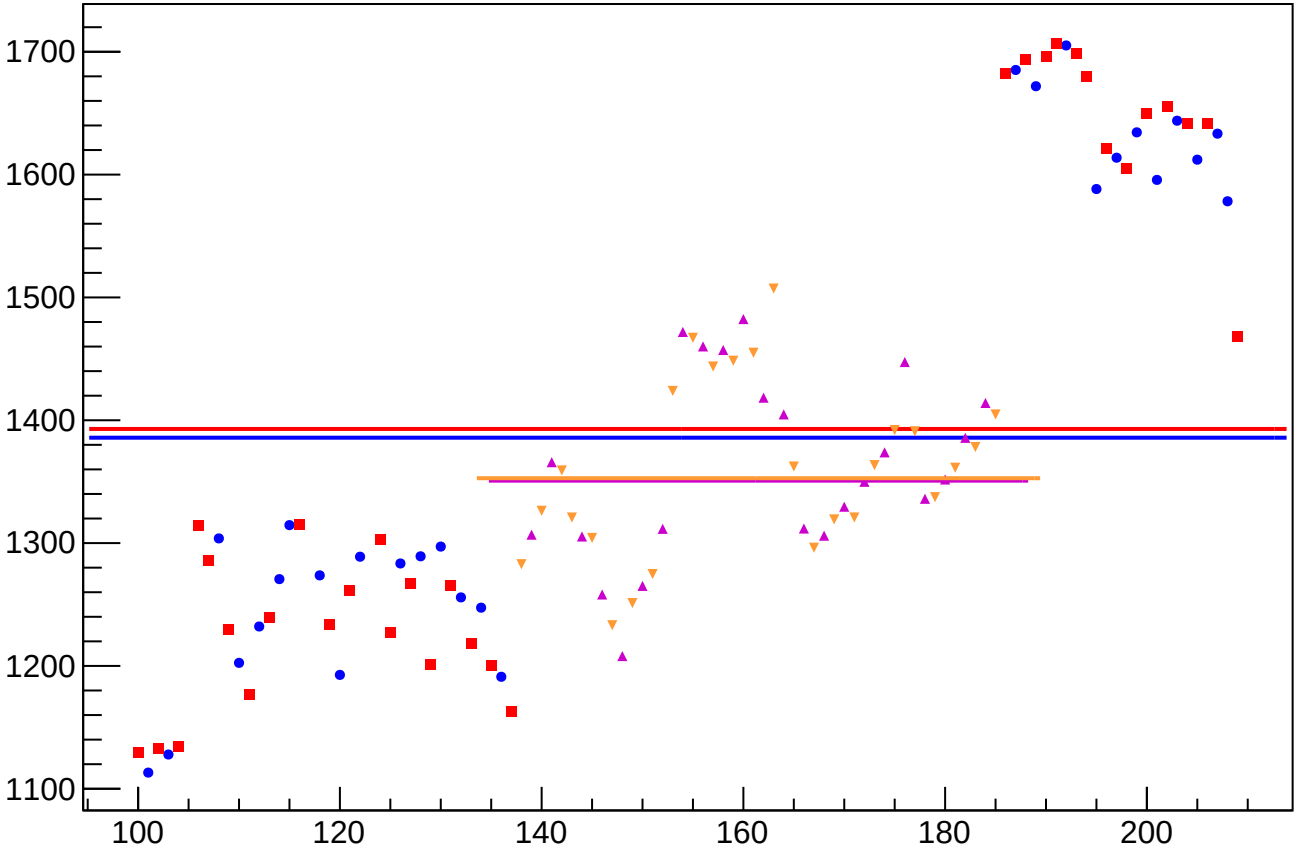
Right: -10.793+/-0.244 χ^2/NDF: 27718.7/58

In: 3.463+/-0.235 χ^2/NDF:12259.4/49

Out: 11.250+/-0.228 χ^2/NDF:37739.0/56

All: 7.481+/-0.164 χ^2/NDF: 50564.1/106

diff_bpm0i02Y_rms vs Slug, Sign Corrected



Right In: 1385.810+/-0.249 χ^2/NDF: 680505.2/26

Left Out: 1352.820+/-0.218 χ^2/NDF:104845.3/24

Right Out: 1392.925+/-0.239 χ^2/NDF: 812057.8/31

Left In: 1350.830+/-0.223 χ^2/NDF:108618.5/22

Left: 1351.851+/-0.156 χ^2/NDF: 213504.5/47

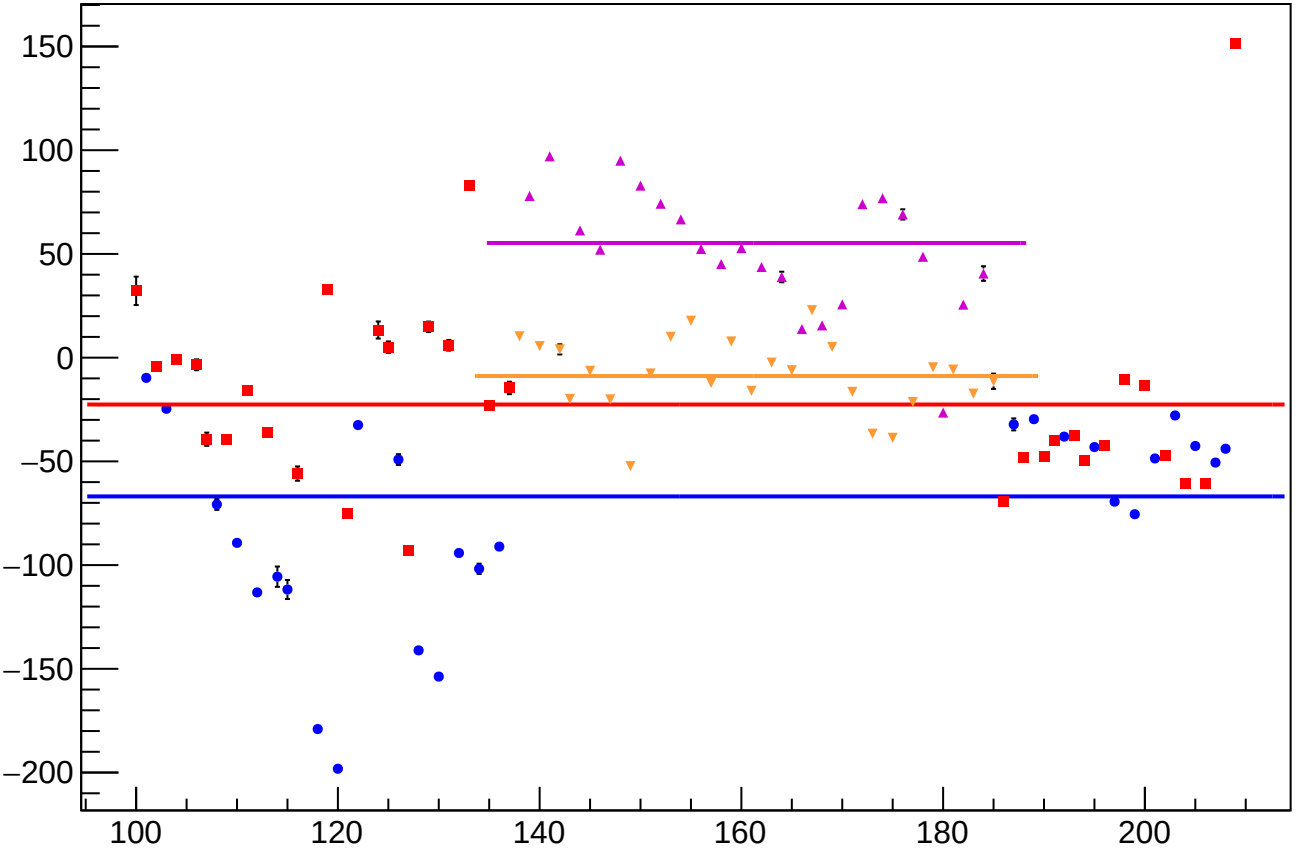
Right: 1389.505+/-0.173 χ^2/NDF: 1492987.5/58

In: 1366.445+/-0.166 χ^2/NDF:800059.0/49

Out: 1370.967+/-0.161 χ^2/NDF:932260.6/56

All: 1368.778+/-0.116 χ^2/NDF: 1732701.1/10

diff_bpm0i02aX_mean vs Slug, Sign Corrected



Right In: -66.890+/-0.367 χ^2/NDF: 13876.1/26

Left Out: -8.859+/-0.407 χ^2/NDF:1953.2/24

Right Out: -22.588+/-0.346 χ^2/NDF: 21129.9/31

Left In: 55.266+/-0.420 χ^2/NDF:4736.1/22

Left: 22.173+/-0.293 χ^2/NDF: 18692.1/47

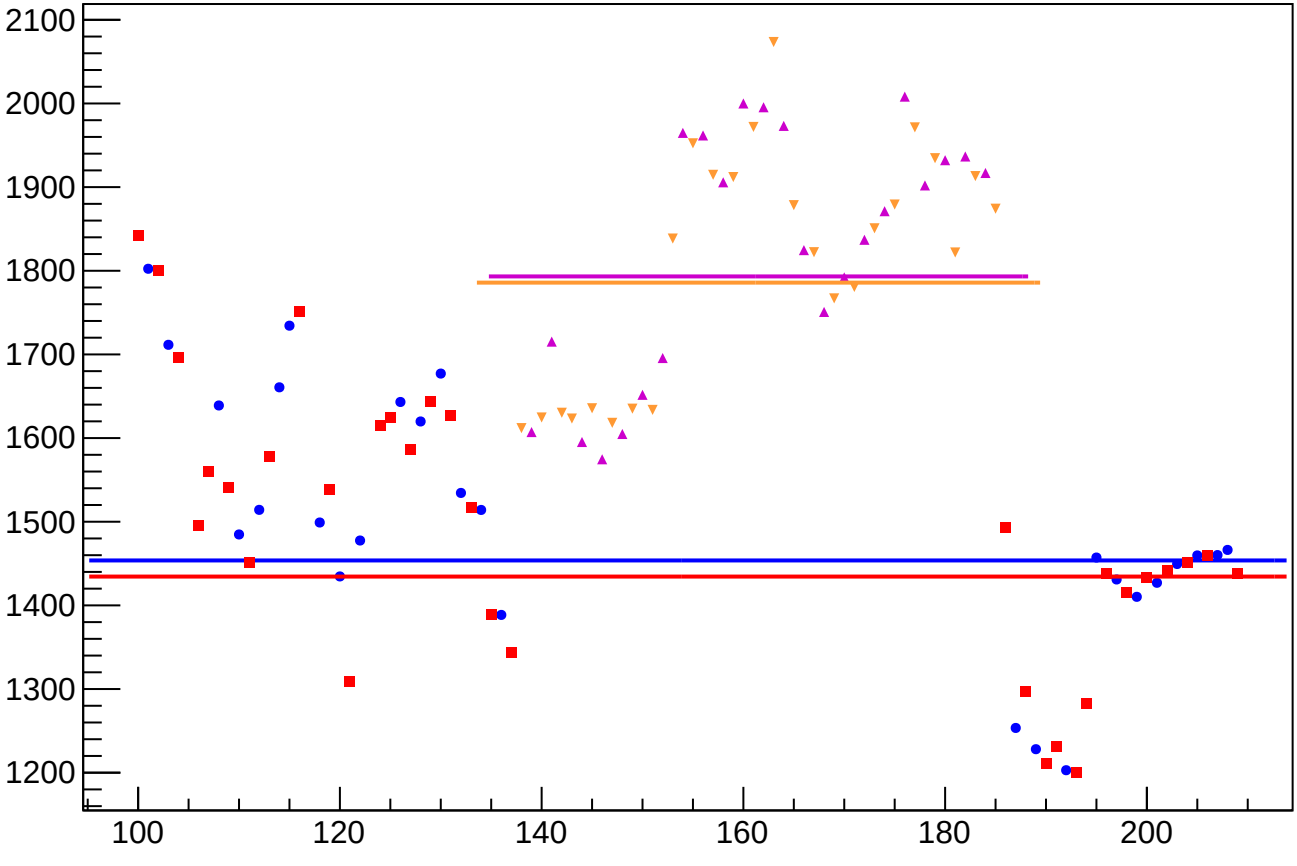
Right: -43.467+/-0.252 χ^2/NDF: 42720.1/58

In: -14.107+/-0.276 χ^2/NDF:66543.7/49

Out: -16.826+/-0.264 χ^2/NDF:23742.7/56

All: -15.530+/-0.191 χ^2/NDF: 90337.1/106

diff_bpm0i02aX_rms vs Slug, Sign Corrected



Right In: 1453.715+/-0.259 χ^2/NDF: 281683.0/26

Left Out: 1785.836+/-0.288 χ^2/NDF:237239.4/24

Right Out: 1434.444+/-0.245 χ^2/NDF: 330892.1/31

Left In: 1793.249+/-0.297 χ^2/NDF:252788.2/22

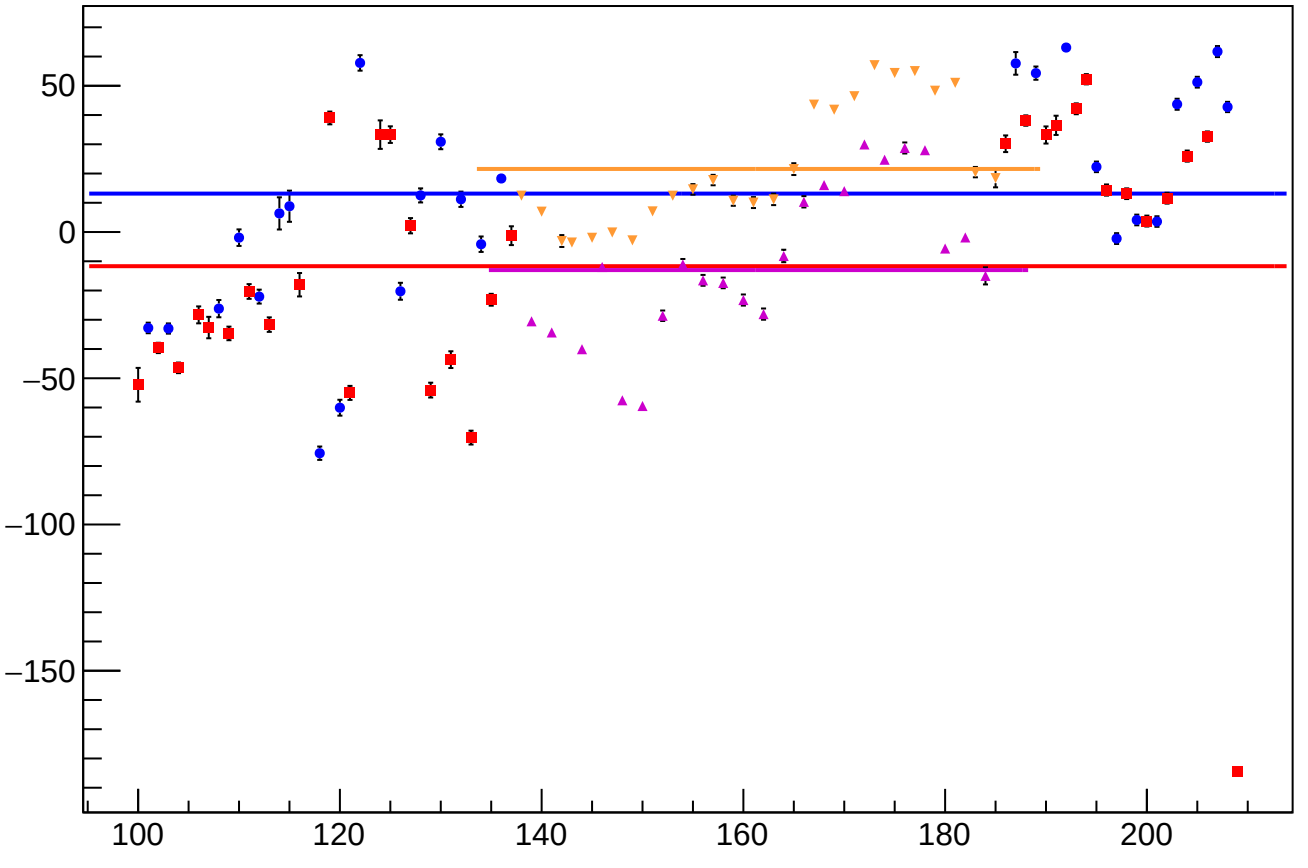
Left: 1789.423+/-0.207 χ^2/NDF: 490348.4/47

Right: 1443.526+/-0.178 χ^2/NDF: 615494.1/58

In: 1600.426+/-0.195 χ^2/NDF:1275072.7/49

Out: 1581.925+/-0.187 χ^2/NDF:1432489.6/56

All: 1590.744+/-0.135 χ^2/NDF: 2712251.6/10



Right In: 13.138+/-0.417 χ^2/NDF: 7661.8/26

Left Out: 21.567+/-0.330 χ^2/NDF:4160.8/24

Right Out: -11.683+/-0.397 χ^2/NDF: 21233.7/31

Left In: -13.014+/-0.340 χ^2/NDF:6627.2/22

Left: 4.798+/-0.237 χ^2/NDF: 16115.3/47

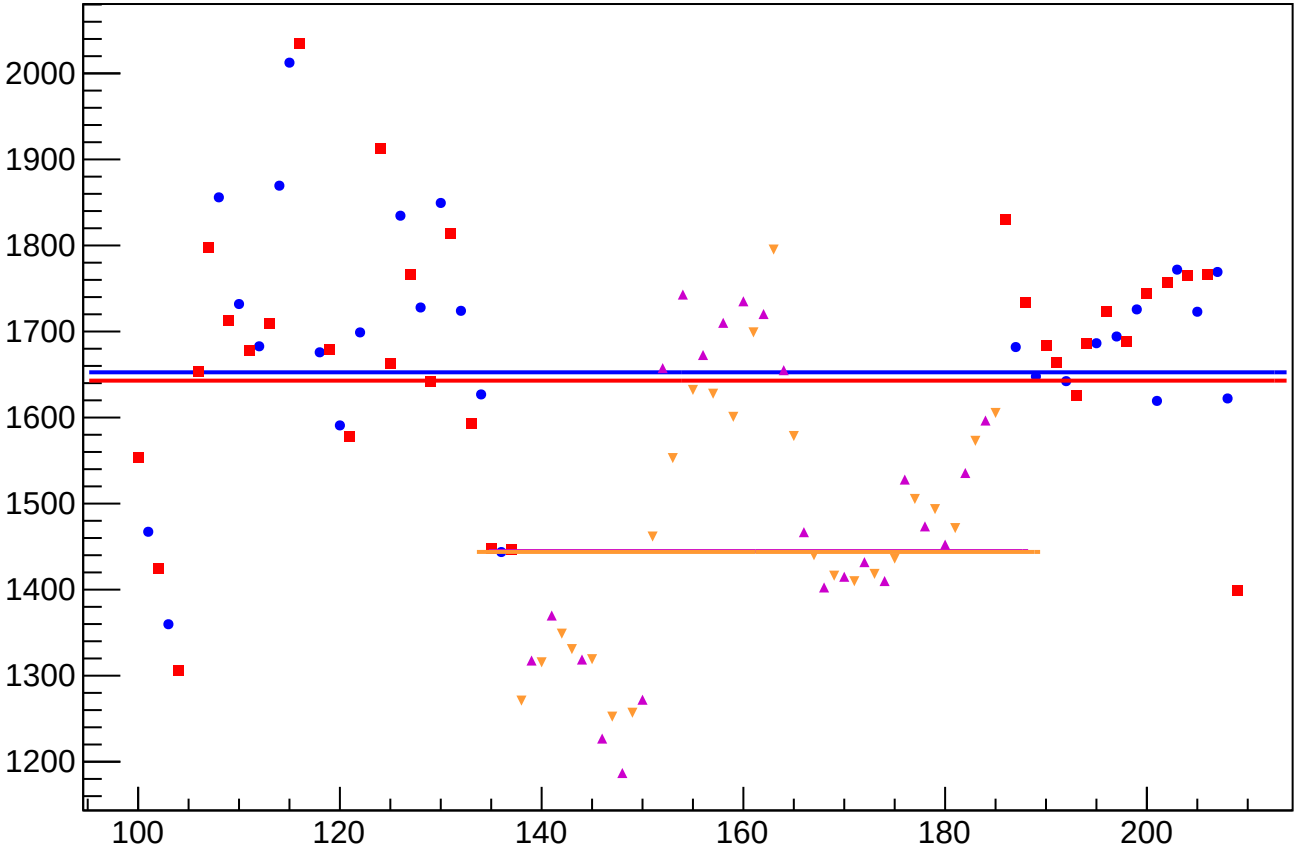
Right: 0.106+/-0.287 χ^2/NDF: 30756.0/58

In: -2.569+/-0.264 χ^2/NDF:16651.6/49

Out: 7.968+/-0.254 χ^2/NDF:29548.5/56

All: 2.901+/-0.183 χ^2/NDF: 47030.0/106

diff_bpm0i02aY_rms vs Slug, Sign Corrected



Right In: 1652.587+/-0.295 χ^2/NDF: 188191.9/26

Left Out: 1443.826+/-0.233 χ^2/NDF:352397.9/24

Right Out: 1642.904+/-0.280 χ^2/NDF: 276833.1/31

Left In: 1444.817+/-0.240 χ^2/NDF:485230.7/22

Left: 1444.307+/-0.167 χ^2/NDF: 837637.3/47

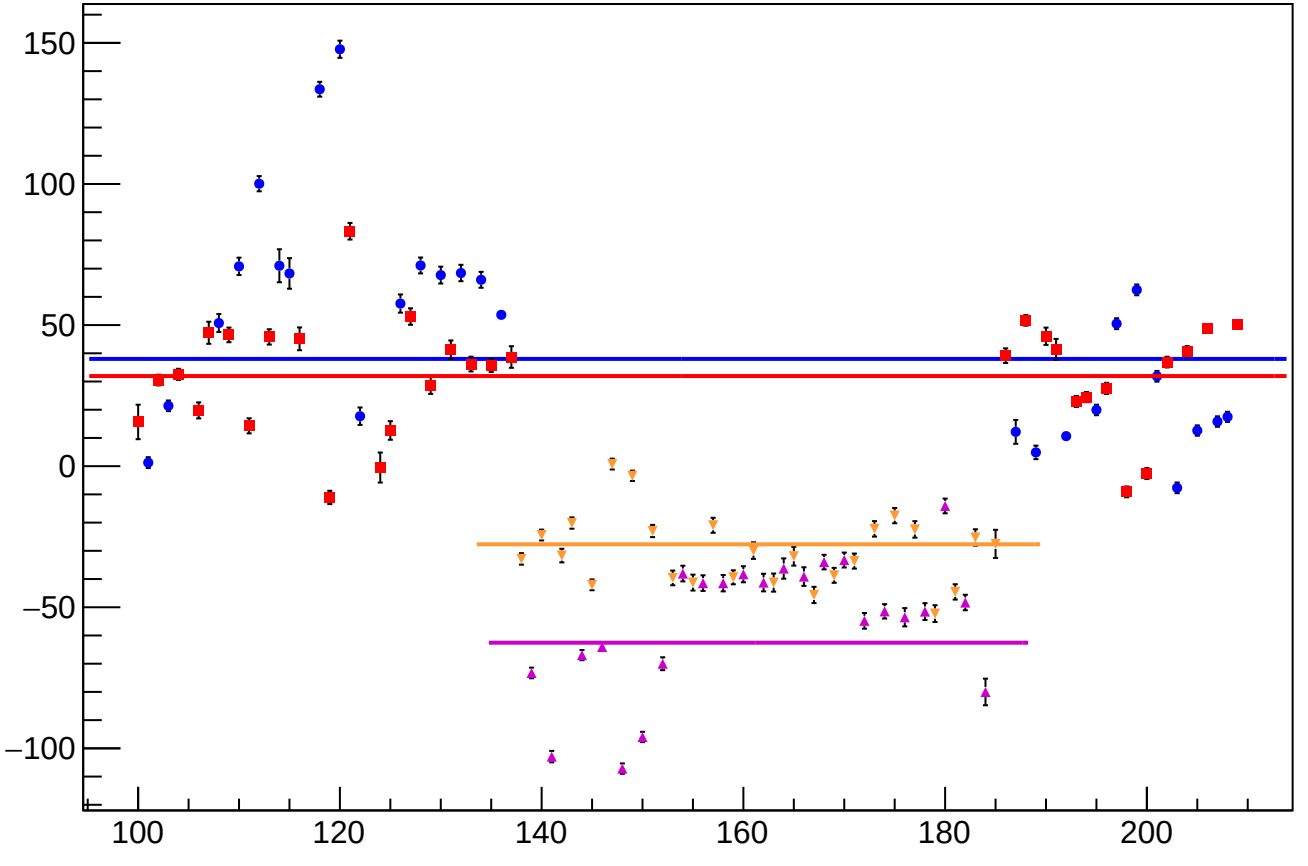
Right: 1647.503+/-0.203 χ^2/NDF: 465591.3/58

In: 1527.800+/-0.186 χ^2/NDF:971659.5/49

Out: 1525.245+/-0.179 χ^2/NDF:927059.2/56

All: 1526.474+/-0.129 χ^2/NDF: 1898816.3/10

diff_bpm0i05X_mean vs Slug, Sign Corrected



Right In: 38.009+/-0.445 χ^2/NDF: 6222.2/26

Left Out: -27.692+/-0.496 χ^2/NDF:766.1/24

Right Out: 31.937+/-0.423 χ^2/NDF: 2135.0/31

Left In: -62.558+/-0.512 χ^2/NDF:2458.2/22

Left: -44.581+/-0.356 χ^2/NDF: 5617.4/47

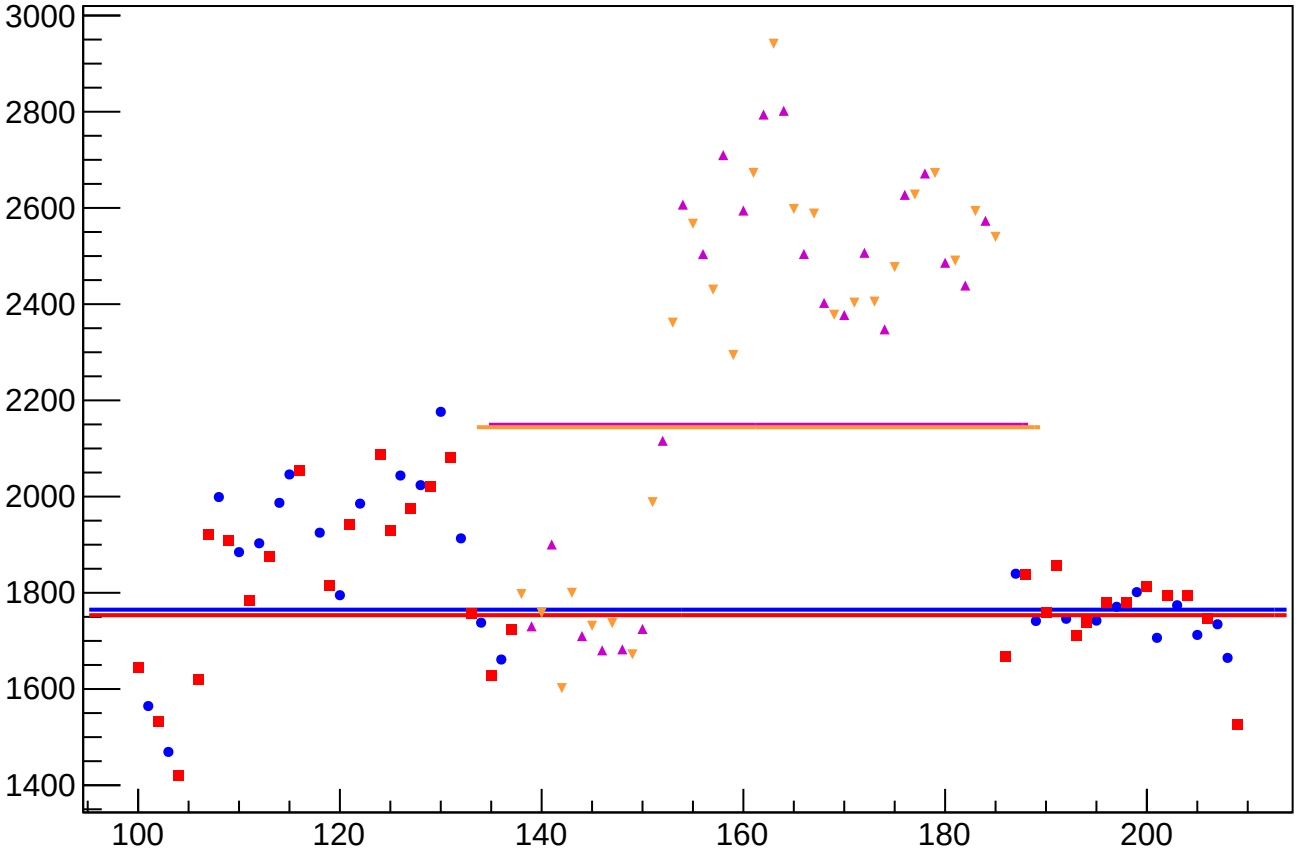
Right: 34.817+/-0.307 χ^2/NDF: 8454.9/58

In: -5.318+/-0.336 χ^2/NDF:30660.9/49

Out: 6.835+/-0.322 χ^2/NDF:11268.8/56

All: 1.018+/-0.232 χ^2/NDF: 42612.2/106

diff_bpm0i05X_rms vs Slug, Sign Corrected



Right In: 1764.954+/-0.315 χ^2/NDF: 209994.9/26

Left Out: 2144.219+/-0.351 χ^2/NDF:1279852.9/24

Right Out: 1753.529+/-0.299 χ^2/NDF: 240970.2/31

Left In: 2149.354+/-0.362 χ^2/NDF:1265722.5/22

Left: 2146.707+/-0.252 χ^2/NDF: 2545679.2/47

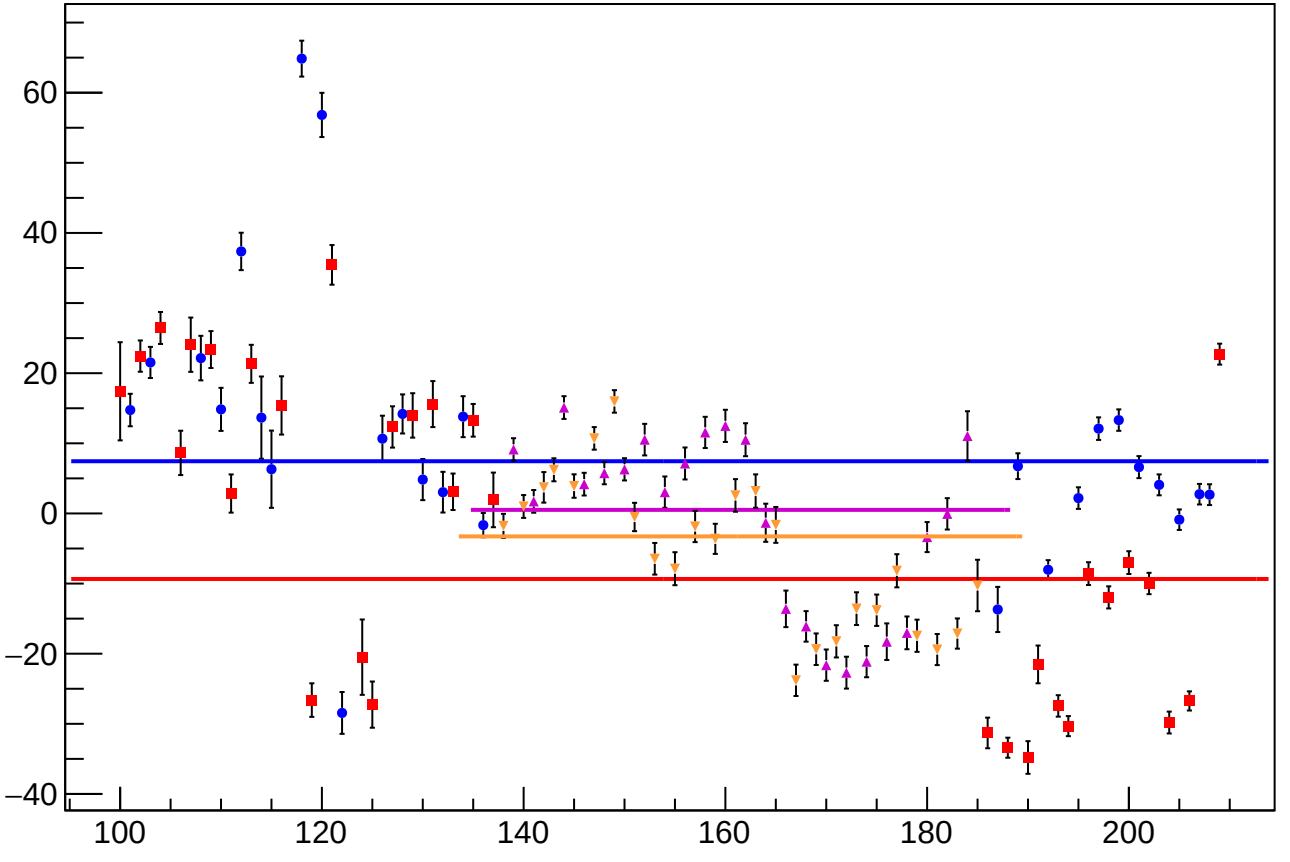
Right: 1758.948+/-0.217 χ^2/NDF: 451657.3/58

In: 1930.565+/-0.238 χ^2/NDF:2118000.1/49

Out: 1917.995+/-0.228 χ^2/NDF:2239261.8/56

All: 1924.011+/-0.164 χ^2/NDF: 4358722.0/10

diff_bpm0i05Y_mean vs Slug, Sign Corrected



Right In: 7.446+/-0.393 χ^2/NDF: 1403.6/26

Left Out: -3.275+/-0.415 χ^2/NDF:671.1/24

Right Out: -9.345+/-0.375 χ^2/NDF: 3217.4/31

Left In: 0.511+/-0.430 χ^2/NDF:745.8/22

Left: -1.450+/-0.298 χ^2/NDF: 1457.1/47

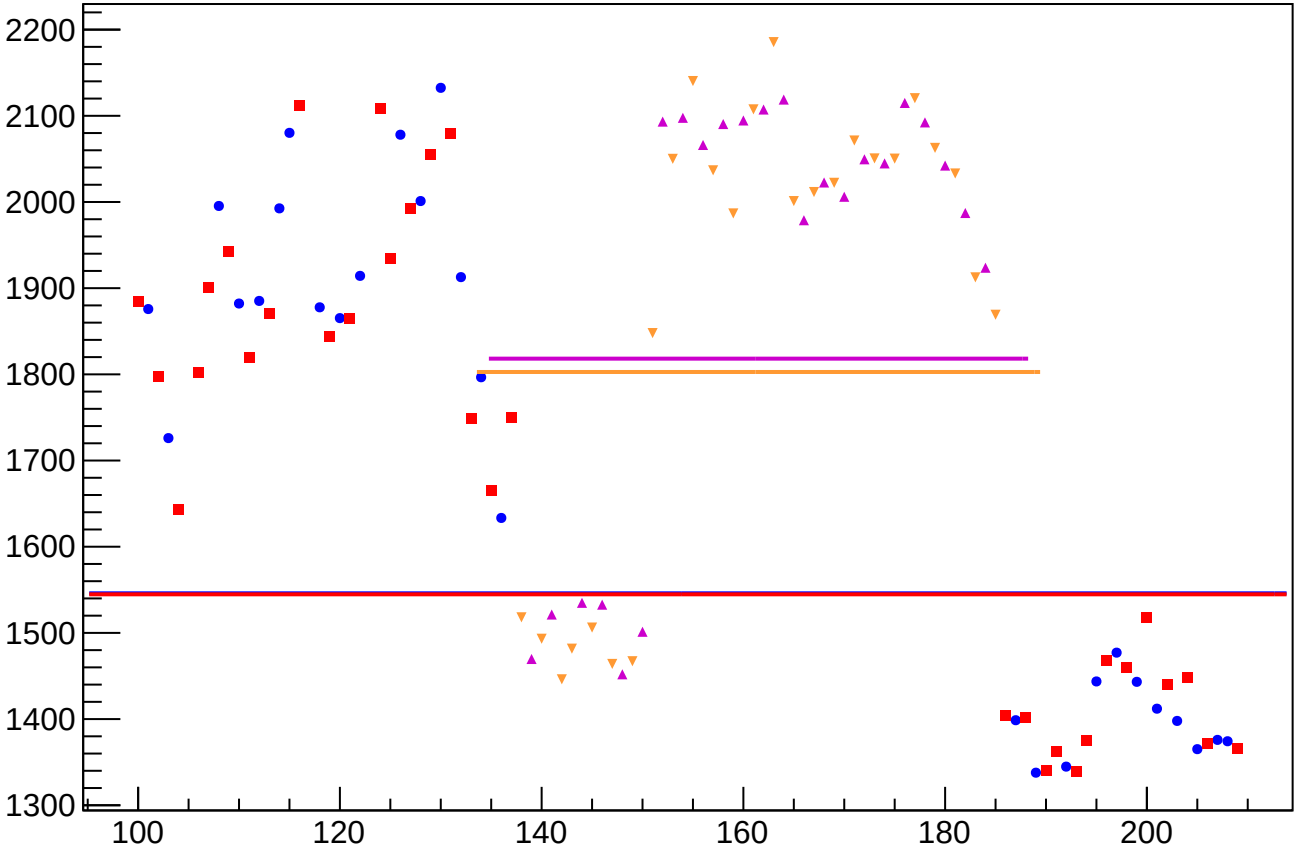
Right: -1.342+/-0.271 χ^2/NDF: 5576.2/58

In: 4.287+/-0.290 χ^2/NDF:2291.2/49

Out: -6.614+/-0.278 χ^2/NDF:4006.4/56

All: -1.391+/-0.201 χ^2/NDF: 7033.4/106

diff_bpm0i05Y_rms vs Slug, Sign Corrected



Right In: 1545.913+/-0.278 χ^2/NDF: 716187.0/26

Left Out: 1802.748+/-0.293 χ^2/NDF:897375.1/24

Right Out: 1544.759+/-0.265 χ^2/NDF: 683426.8/31

Left In: 1818.225+/-0.304 χ^2/NDF:840353.0/22

Left: 1810.209+/-0.211 χ^2/NDF: 1739071.4/47

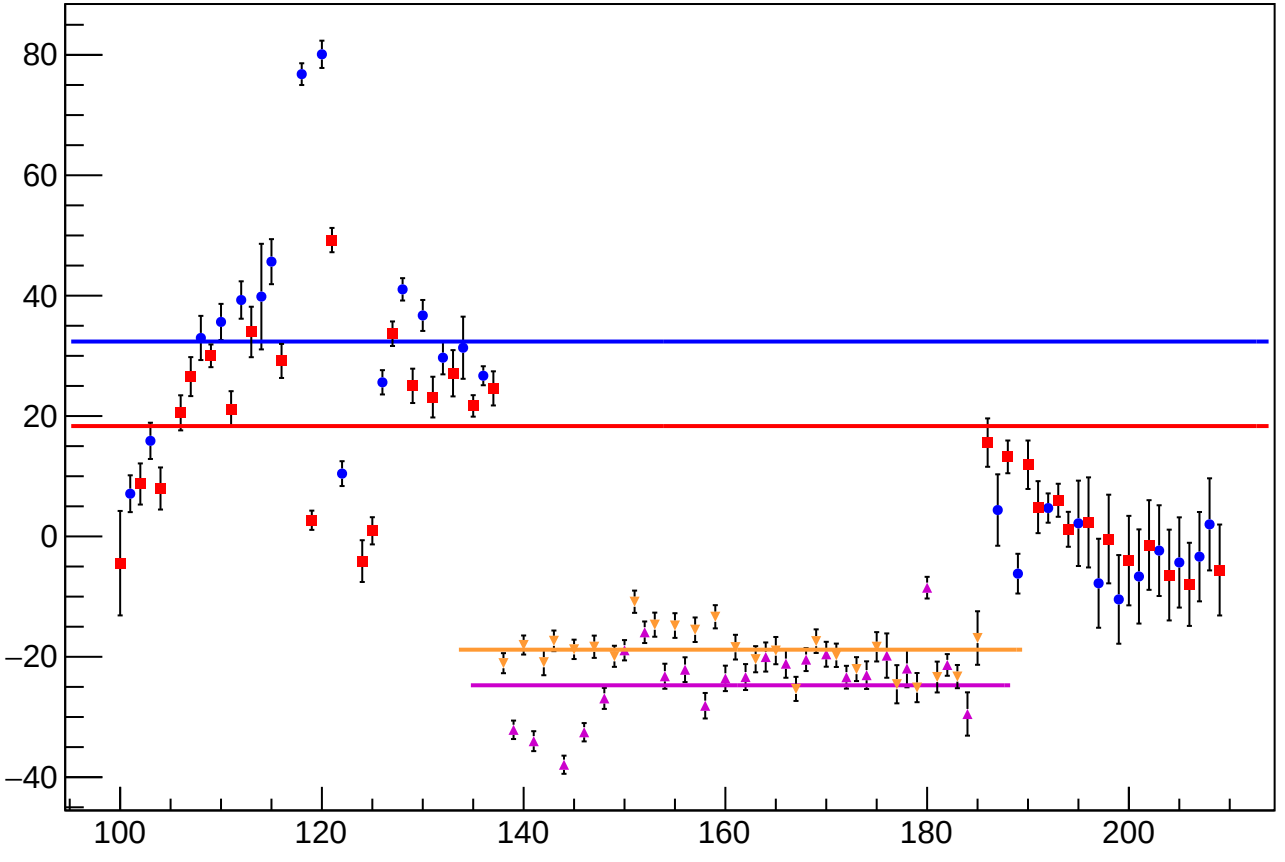
Right: 1545.309+/-0.192 χ^2/NDF: 1399622.8/58

In: 1669.924+/-0.205 χ^2/NDF:1993806.2/49

Out: 1660.855+/-0.197 χ^2/NDF:2006647.7/56

All: 1665.200+/-0.142 χ^2/NDF: 4001472.7/10

diff_bpm0i07X_mean vs Slug, Sign Corrected



Right In: 32.378+/-0.576 χ^2/NDF: 1806.6/26

Left Out: -18.816+/-0.402 χ^2/NDF:74.9/24

Right Out: 18.334+/-0.532 χ^2/NDF: 741.6/31

Left In: -24.731+/-0.409 χ^2/NDF:308.0/22

Left: -21.723+/-0.287 χ^2/NDF: 489.4/47

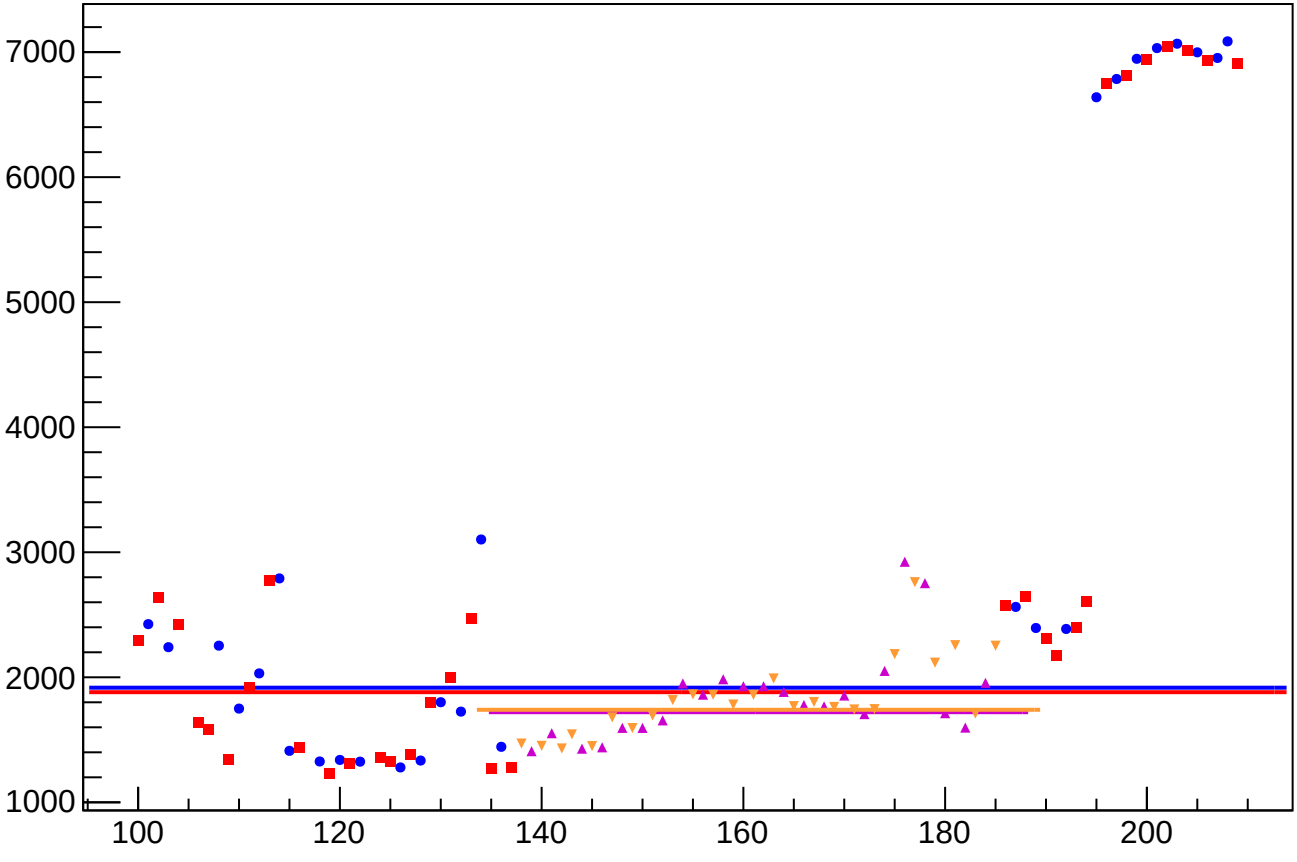
Right: 24.796+/-0.391 χ^2/NDF: 2869.2/58

In: -5.601+/-0.333 χ^2/NDF:8653.0/49

Out: -5.308+/-0.321 χ^2/NDF:3922.9/56

All: -5.449+/-0.231 χ^2/NDF: 12576.2/106

diff_bpm0i07X_rms vs Slug, Sign Corrected



Right In: 1916.820+/-0.407 χ^2/NDF: 8732143.6/26

Left Out: 1740.089+/-0.284 χ^2/NDF:753377.5/24

Right Out: 1880.916+/-0.376 χ^2/NDF: 8598546.6/31

Left In: 1720.864+/-0.289 χ^2/NDF:883990.4/22

Left: 1730.639+/-0.203 χ^2/NDF: 1639617.2/47

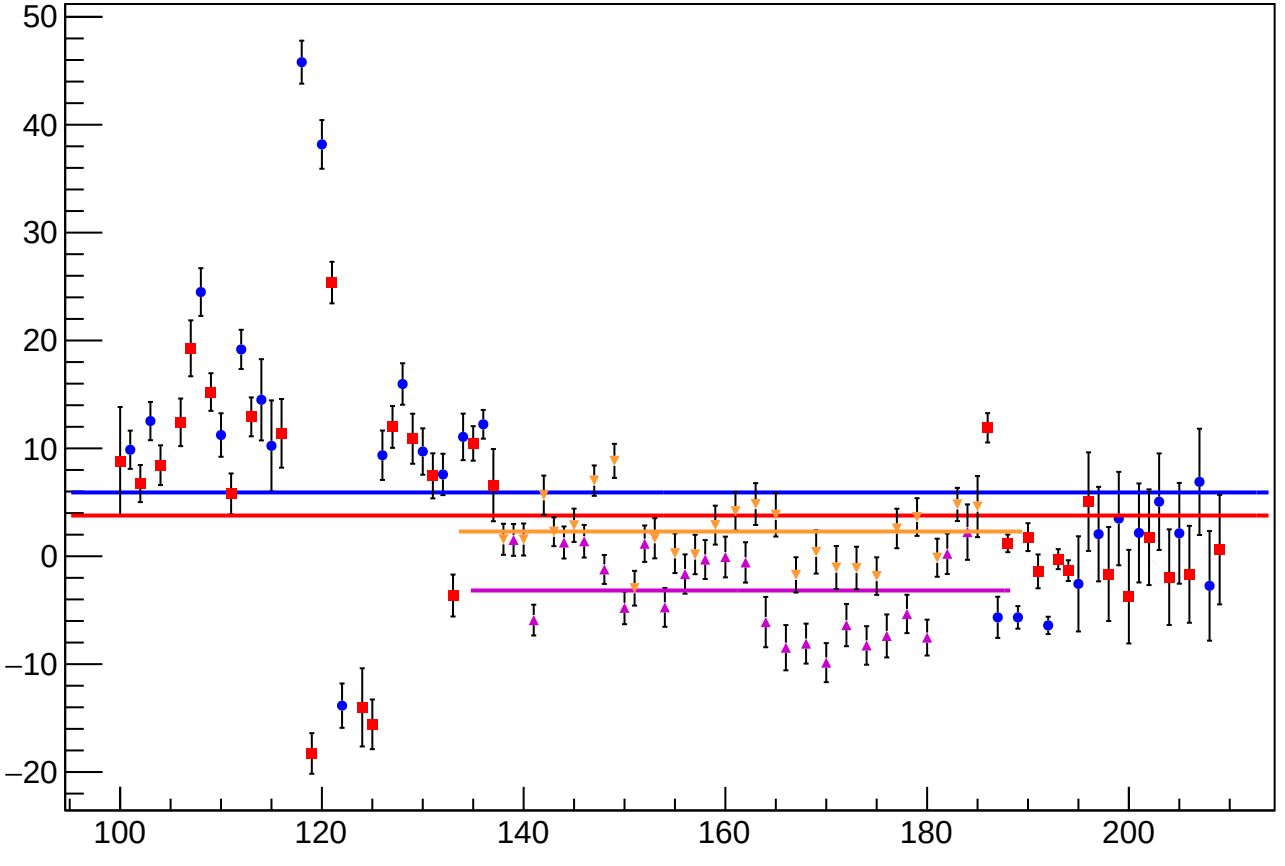
Right: 1897.437+/-0.276 χ^2/NDF: 17334886.1/58

In: 1786.505+/-0.236 χ^2/NDF:9770090.8/49

Out: 1791.294+/-0.227 χ^2/NDF:9441202.4/56

All: 1788.993+/-0.163 χ^2/NDF: 19211507.6/1

diff_bpm0i07Y_mean vs Slug, Sign Corrected



Right In: 5.915+/-0.377 χ^2/NDF: 1319.3/26

Left Out: 2.293+/-0.343 χ^2/NDF:73.5/24

Right Out: 3.775+/-0.318 χ^2/NDF: 672.3/31

Left In: -3.173+/-0.362 χ^2/NDF:110.4/22

Left: -0.293+/-0.249 χ^2/NDF: 303.7/47

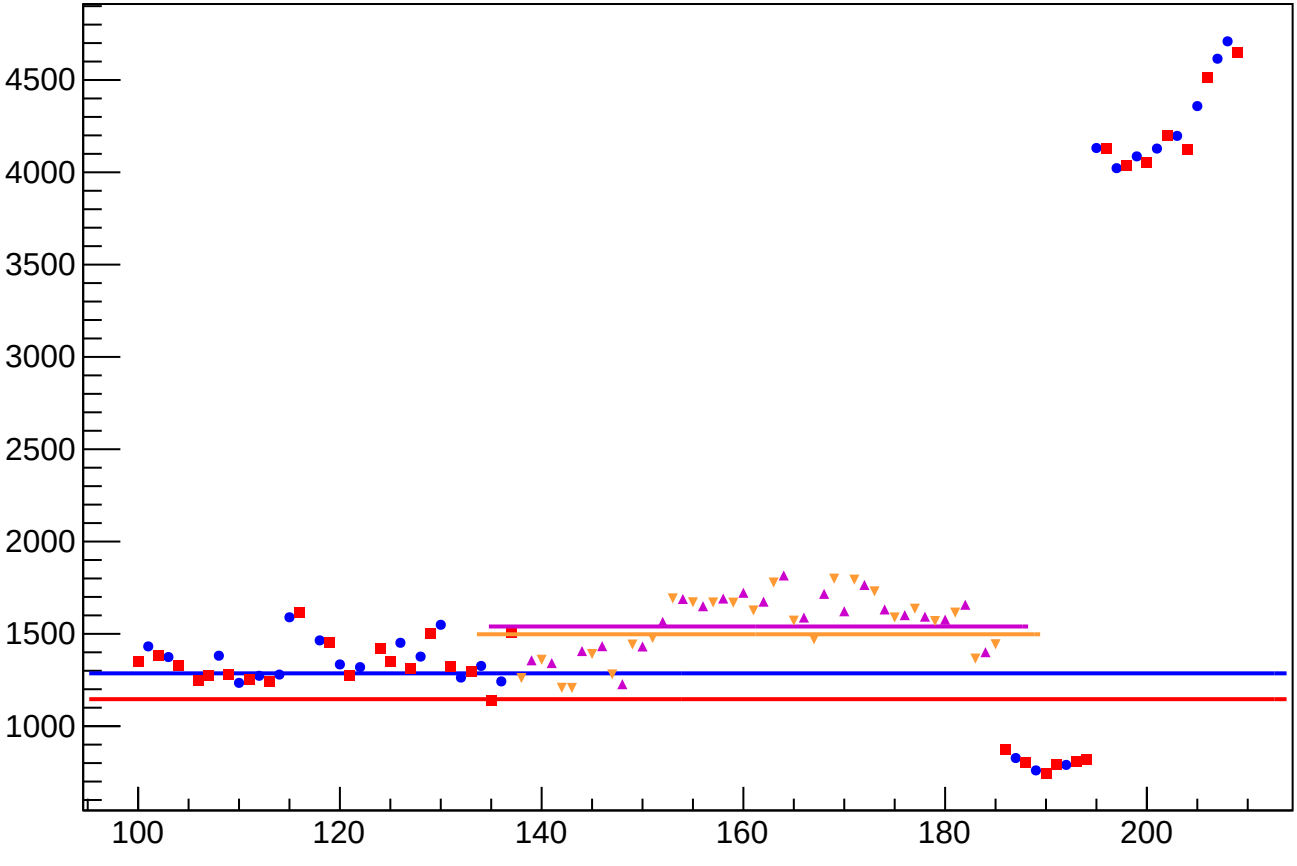
Right: 4.664+/-0.243 χ^2/NDF: 2010.5/58

In: 1.197+/-0.261 χ^2/NDF:1732.0/49

Out: 3.092+/-0.233 χ^2/NDF:755.9/56

All: 2.251+/-0.174 χ^2/NDF: 2517.2/106

diff_bpm0i07Y_rms vs Slug, Sign Corrected



Right In: 1286.095+/-0.266 χ^2/NDF: 8235669.0/26

Left Out: 1497.713+/-0.243 χ^2/NDF:568629.4/24

Right Out: 1146.204+/-0.225 χ^2/NDF: 8112566.0/31

Left In: 1539.884+/-0.256 χ^2/NDF:380330.7/22

Left: 1517.667+/-0.176 χ^2/NDF: 963225.2/47

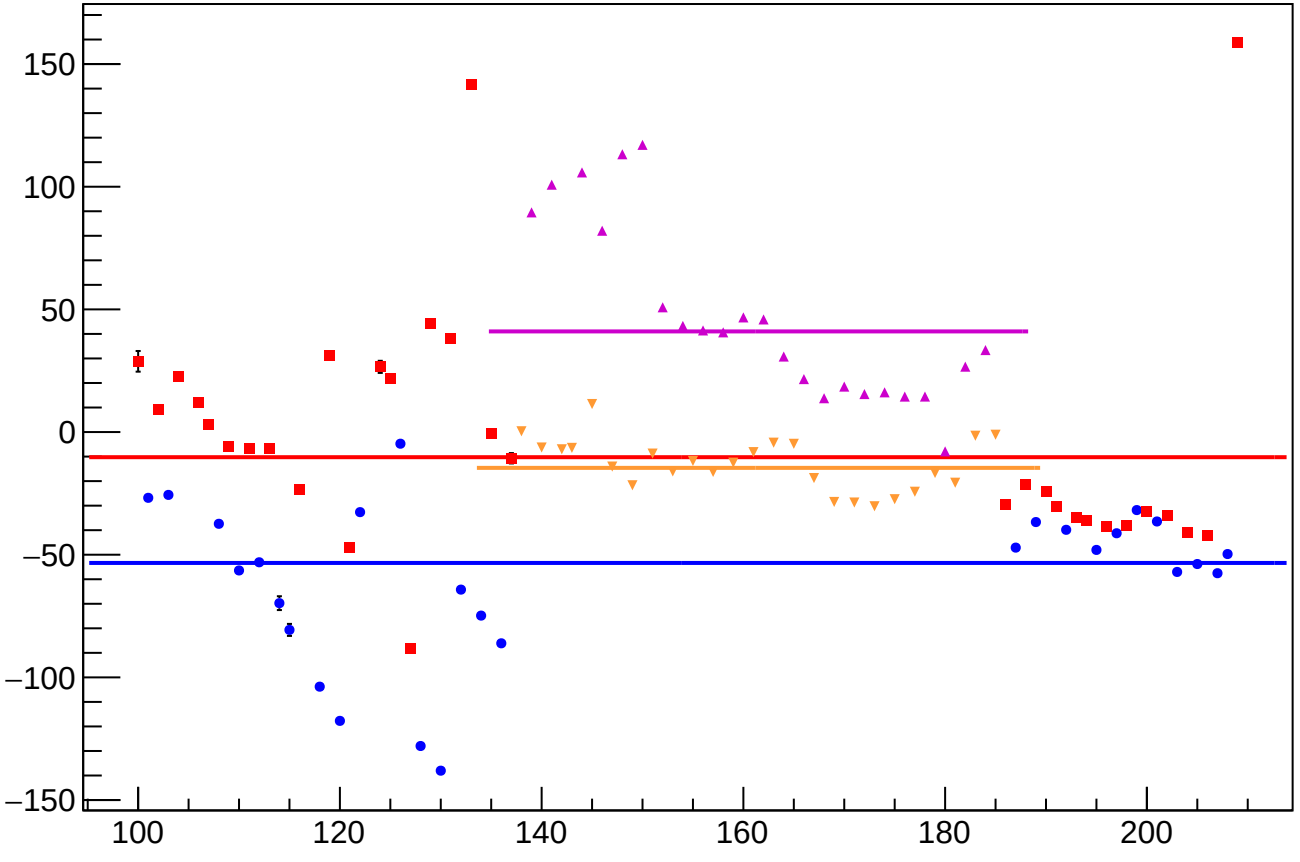
Right: 1204.346+/-0.172 χ^2/NDF: 16509490.6/58

In: 1417.855+/-0.185 χ^2/NDF:9087519.1/49

Out: 1308.229+/-0.165 χ^2/NDF:9810352.9/56

All: 1356.862+/-0.123 χ^2/NDF: 19093959.5/1

diff_bpm1i02X_mean vs Slug, Sign Corrected



Right In: -53.351+/-0.184 χ^2/NDF: 17828.6/26

Left Out: -14.597+/-0.183 χ^2/NDF:3159.3/24

Right Out: -10.247+/-0.176 χ^2/NDF: 97163.0/31

Left In: 41.021+/-0.190 χ^2/NDF:31066.6/22

Left: 12.192+/-0.132 χ^2/NDF: 78745.1/47

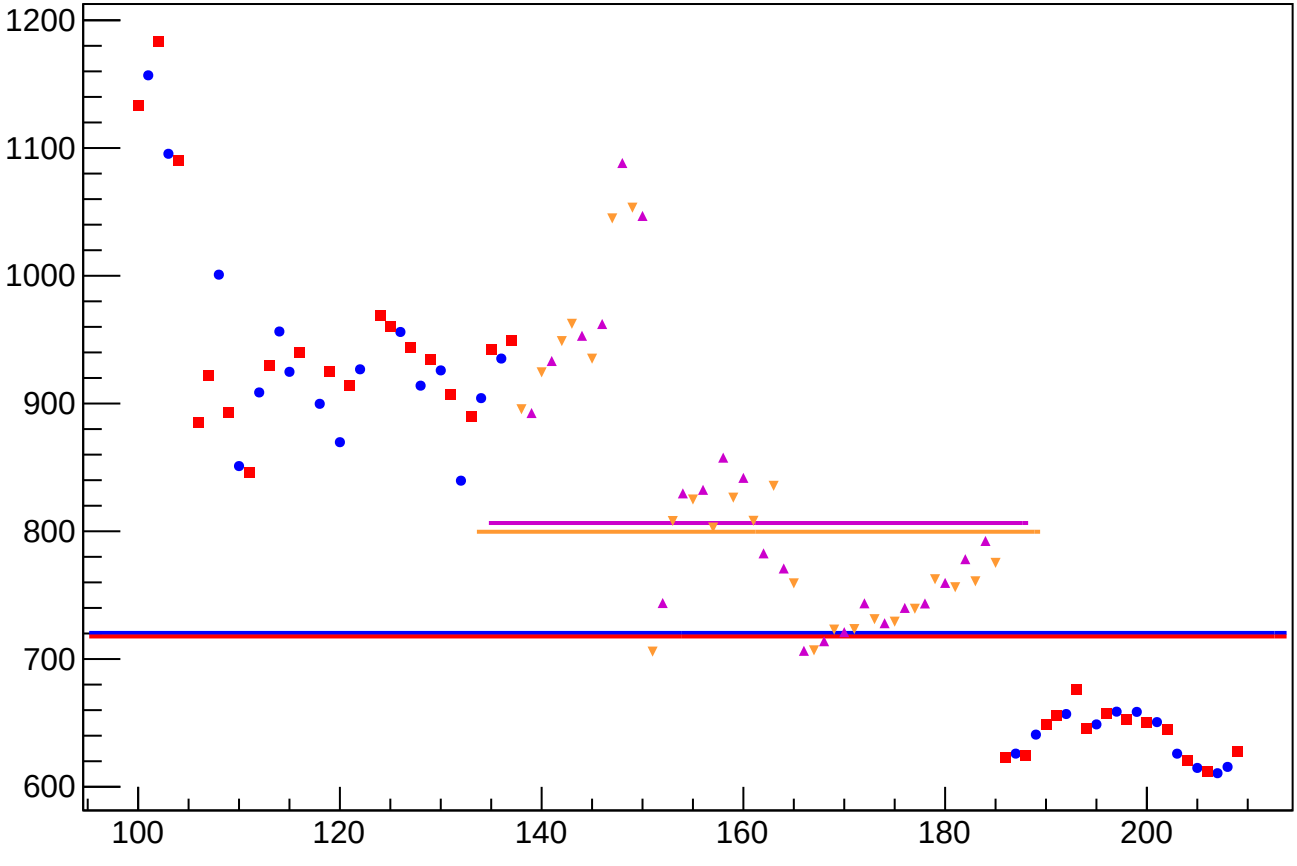
Right: -30.740+/-0.127 χ^2/NDF: 143637.4/58

In: -7.508+/-0.132 χ^2/NDF:176052.6/49

Out: -12.333+/-0.127 χ^2/NDF:100616.6/56

All: -10.025+/-0.091 χ^2/NDF: 277363.3/106

diff_bpm1i02X_rms vs Slug, Sign Corrected



Right In: 720.445+/-0.130 χ^2/NDF: 1185486.7/26

Left Out: 799.639+/-0.129 χ^2/NDF:497430.7/24

Right Out: 717.662+/-0.124 χ^2/NDF: 1255252.4/31

Left In: 806.478+/-0.134 χ^2/NDF:511294.8/22

Left: 802.933+/-0.093 χ^2/NDF: 1010071.7/47

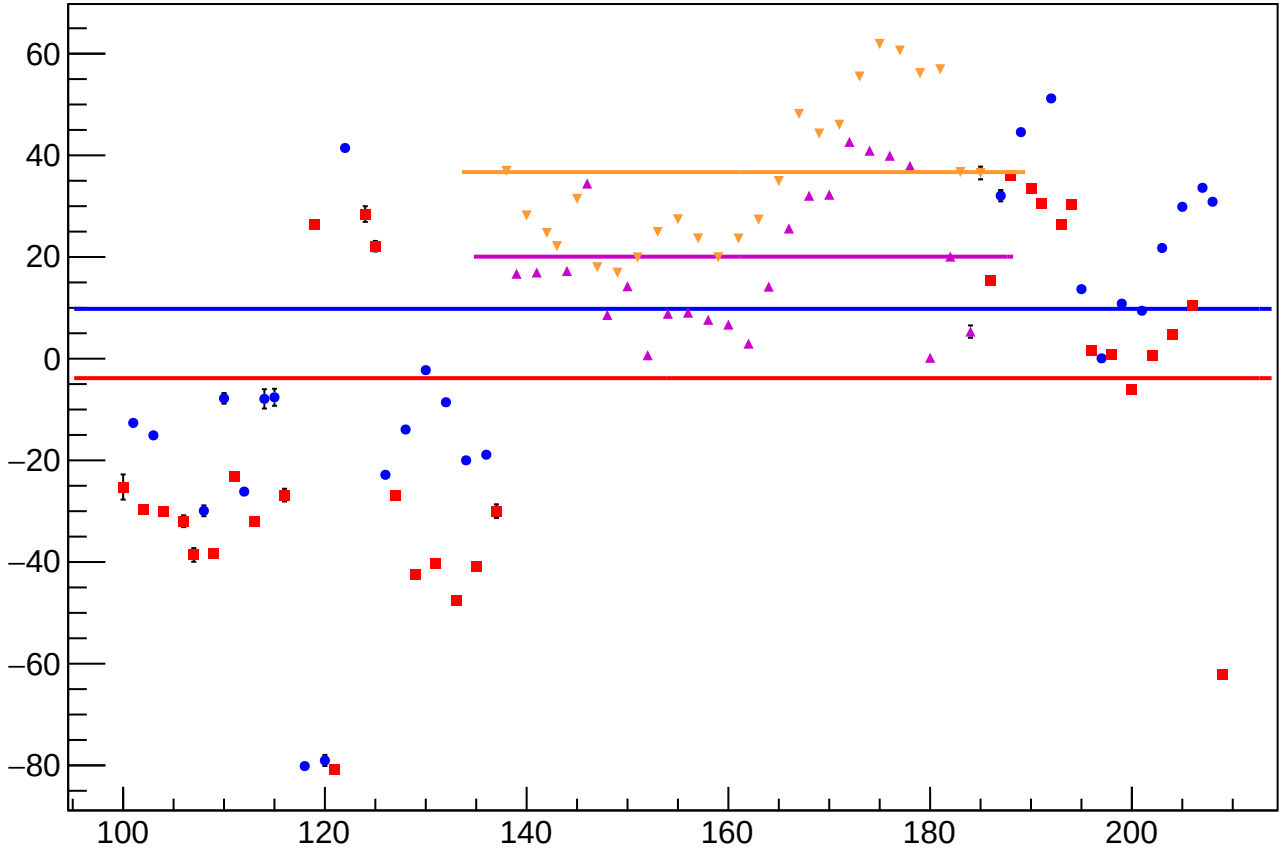
Right: 718.985+/-0.090 χ^2/NDF: 2440977.9/58

In: 762.237+/-0.094 χ^2/NDF:1908138.0/49

Out: 756.972+/-0.090 χ^2/NDF:1961701.7/56

All: 759.491+/-0.065 χ^2/NDF: 3871493.0/106

diff_bpm1i02Y_mean vs Slug, Sign Corrected



Right In: 9.802+/-0.136 χ^2/NDF: 45507.8/26

Left Out: 36.705+/-0.145 χ^2/NDF:10231.1/24

Right Out: -3.830+/-0.129 χ^2/NDF: 55979.9/31

Left In: 20.069+/-0.151 χ^2/NDF:8560.6/22

Left: 28.712+/-0.105 χ^2/NDF: 25078.0/47

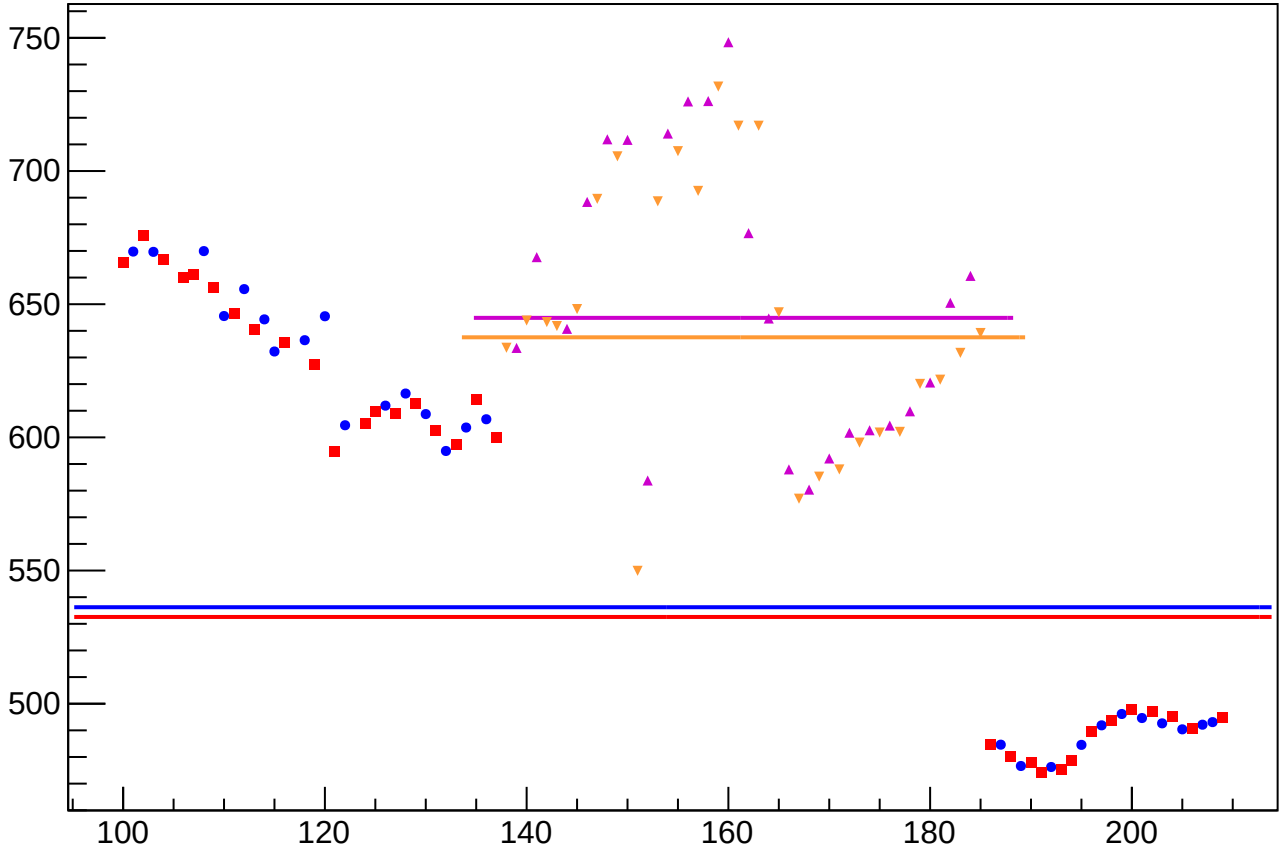
Right: 2.634+/-0.093 χ^2/NDF: 106788.9/58

In: 14.384+/-0.101 χ^2/NDF:56620.8/49

Out: 14.008+/-0.096 χ^2/NDF:109710.9/56

All: 14.187+/-0.070 χ^2/NDF: 166338.9/106

diff_bpm1i02Y_rms vs Slug, Sign Corrected



Right In: 536.231+/-0.096 χ^2/NDF: 508822.4/26

Left Out: 637.569+/-0.103 χ^2/NDF:236539.6/24

Right Out: 532.573+/-0.091 χ^2/NDF: 550684.4/31

Left In: 644.873+/-0.107 χ^2/NDF:229560.3/22

Left: 641.078+/-0.074 χ^2/NDF: 468523.1/47

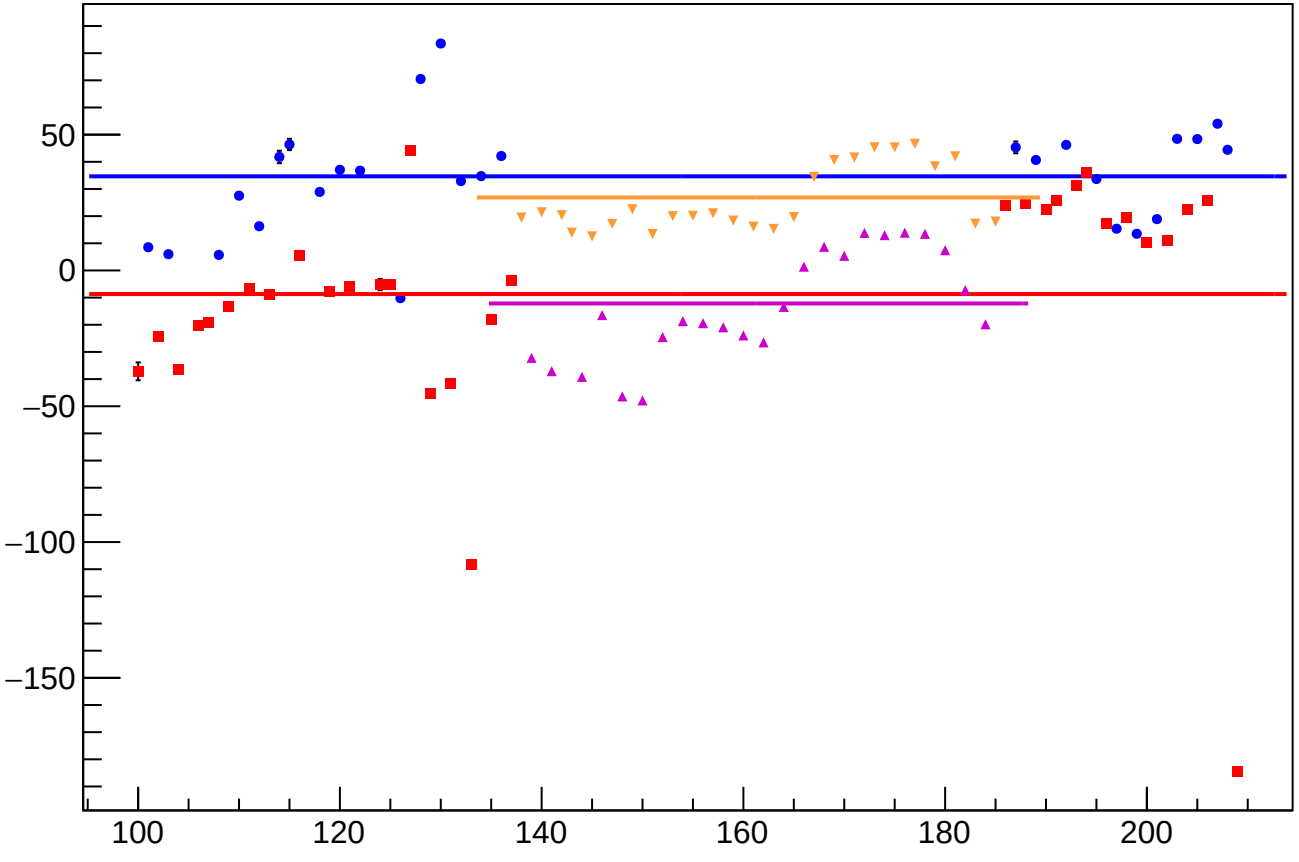
Right: 534.307+/-0.066 χ^2/NDF: 1060270.1/58

In: 584.711+/-0.071 χ^2/NDF:1309914.9/49

Out: 578.780+/-0.068 χ^2/NDF:1370956.5/56

All: 581.609+/-0.049 χ^2/NDF: 2684476.8/106

diff_bpm1i04X_mean vs Slug, Sign Corrected



Right In: 34.651+/-0.214 χ^2/NDF: 8804.1/26

Left Out: 26.866+/-0.207 χ^2/NDF:3390.4/24

Right Out: -8.690+/-0.207 χ^2/NDF: 54572.7/31

Left In: -12.159+/-0.214 χ^2/NDF:8547.0/22

Left: 8.004+/-0.149 χ^2/NDF: 29170.3/47

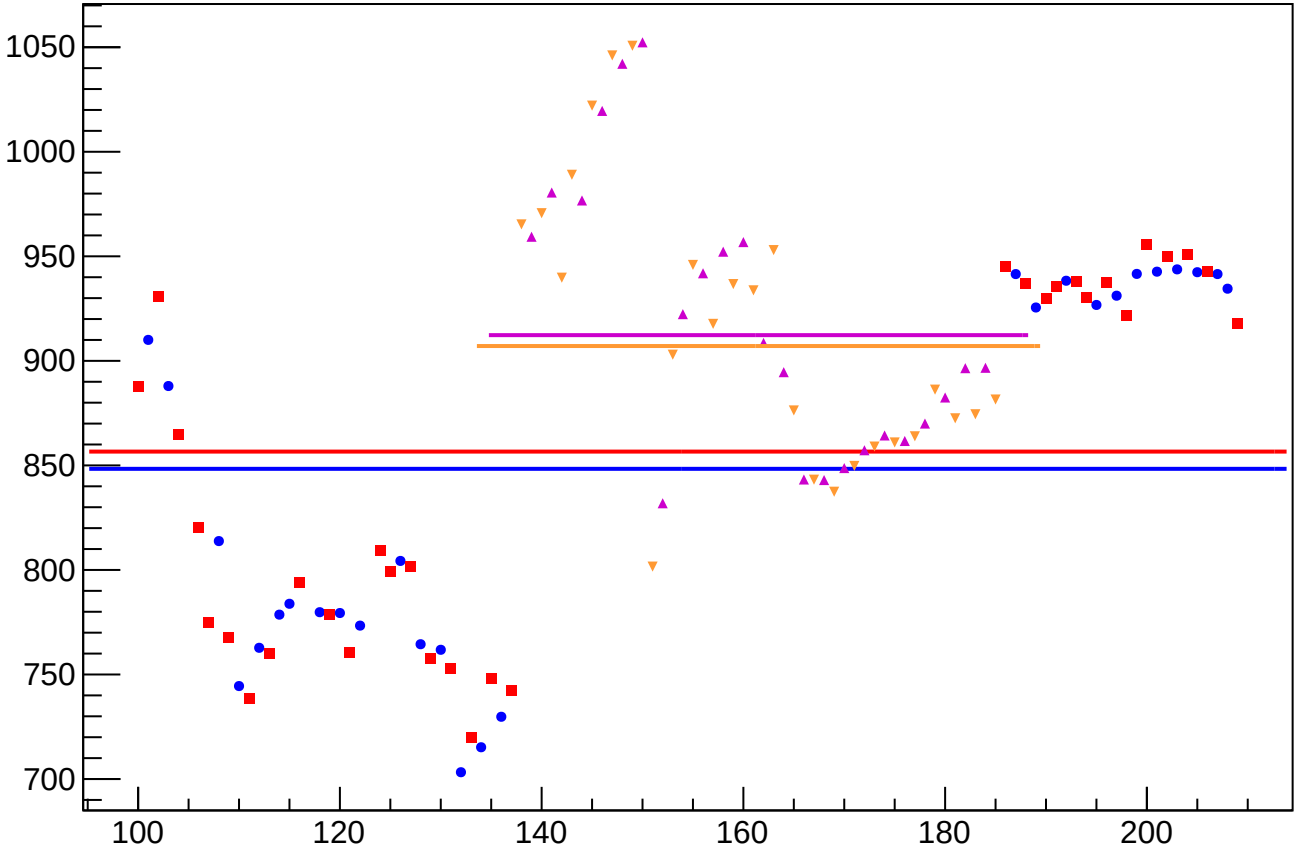
Right: 12.208+/-0.149 χ^2/NDF: 84556.6/58

In: 11.178+/-0.151 χ^2/NDF:41275.5/49

Out: 9.099+/-0.146 χ^2/NDF:72753.3/56

All: 10.103+/-0.105 χ^2/NDF: 114126.5/106

diff_bpm1i04X_rms vs Slug, Sign Corrected



Right In: 848.361+/-0.152 χ^2/NDF: 356972.2/26

Left Out: 907.089+/-0.146 χ^2/NDF:194606.8/24

Right Out: 856.607+/-0.146 χ^2/NDF: 350026.9/31

Left In: 912.301+/-0.151 χ^2/NDF:174715.2/22

Left: 909.608+/-0.105 χ^2/NDF: 369936.7/47

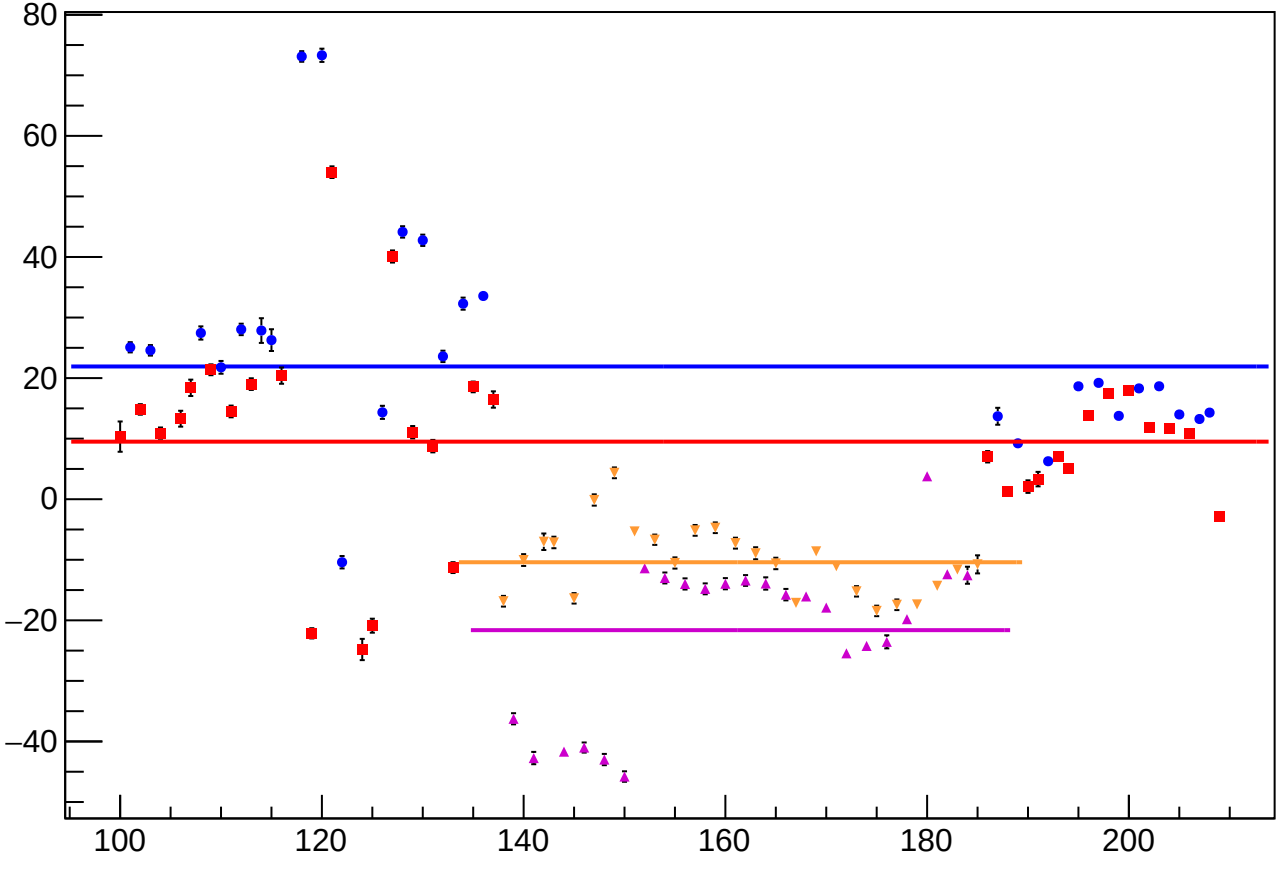
Right: 852.631+/-0.105 χ^2/NDF: 708532.4/58

In: 880.424+/-0.107 χ^2/NDF:620962.4/49

Out: 881.863+/-0.103 χ^2/NDF:604262.6/56

All: 881.168+/-0.074 χ^2/NDF: 1225318.6/106

diff_bpm1i04Y_mean vs Slug, Sign Corrected



Right In: 21.920+/-0.154 χ^2/NDF: 10006.3/26

Left Out: -10.406+/-0.176 χ^2/NDF:1041.8/24

Right Out: 9.506+/-0.148 χ^2/NDF: 8021.3/31

Left In: -21.621+/-0.182 χ^2/NDF:5241.8/22

Left: -15.828+/-0.126 χ^2/NDF: 8246.4/47

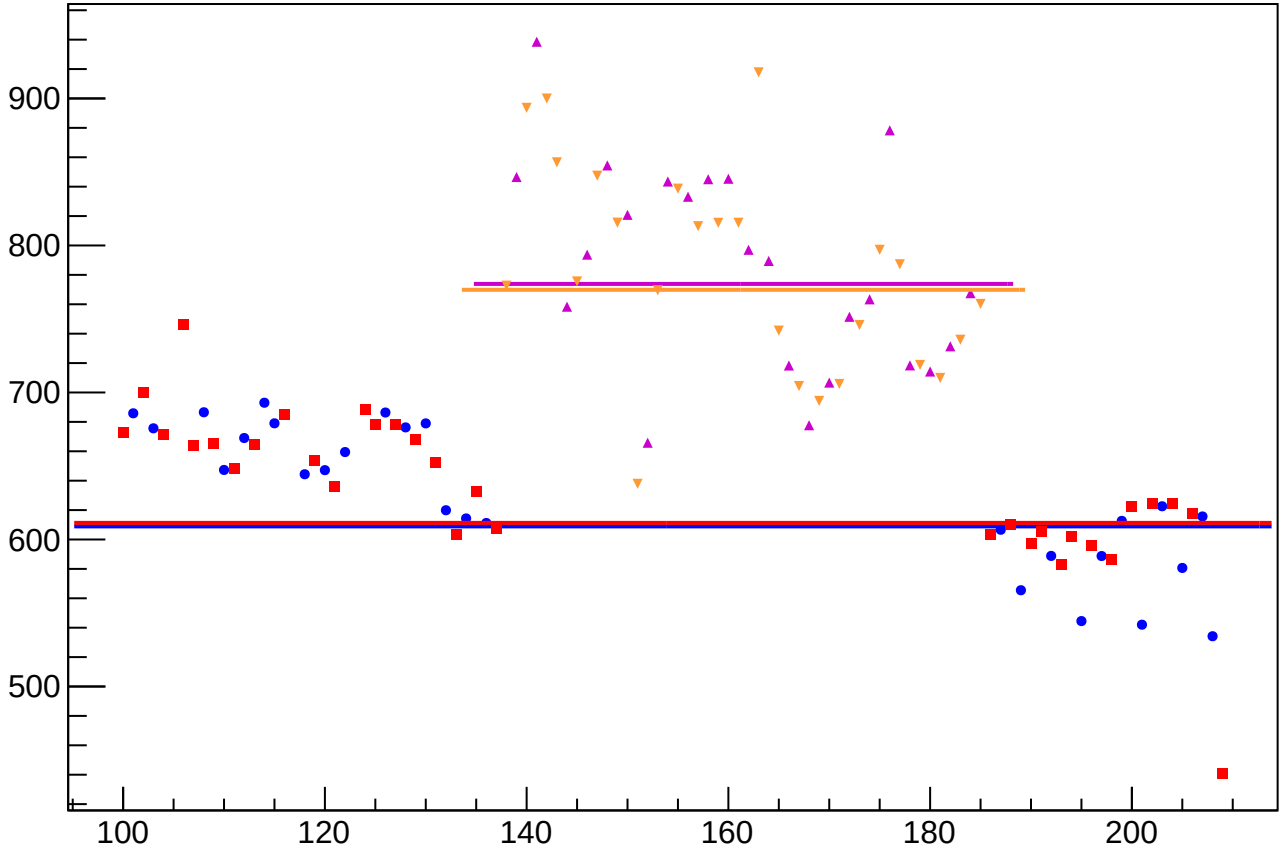
Right: 15.459+/-0.107 χ^2/NDF: 21412.4/58

In: 3.754+/-0.118 χ^2/NDF:48626.9/49

Out: 1.274+/-0.113 χ^2/NDF:16571.4/56

All: 2.467+/-0.082 χ^2/NDF: 65429.5/106

diff_bpm1i04Y_rms vs Slug, Sign Corrected



Right In: 608.915+/-0.109 χ^2/NDF: 194425.0/26

Left Out: 769.850+/-0.124 χ^2/NDF:304526.6/24

Right Out: 611.305+/-0.104 χ^2/NDF: 374369.5/31

Left In: 773.845+/-0.129 χ^2/NDF:282843.1/22

Left: 771.781+/-0.089 χ^2/NDF: 587867.8/47

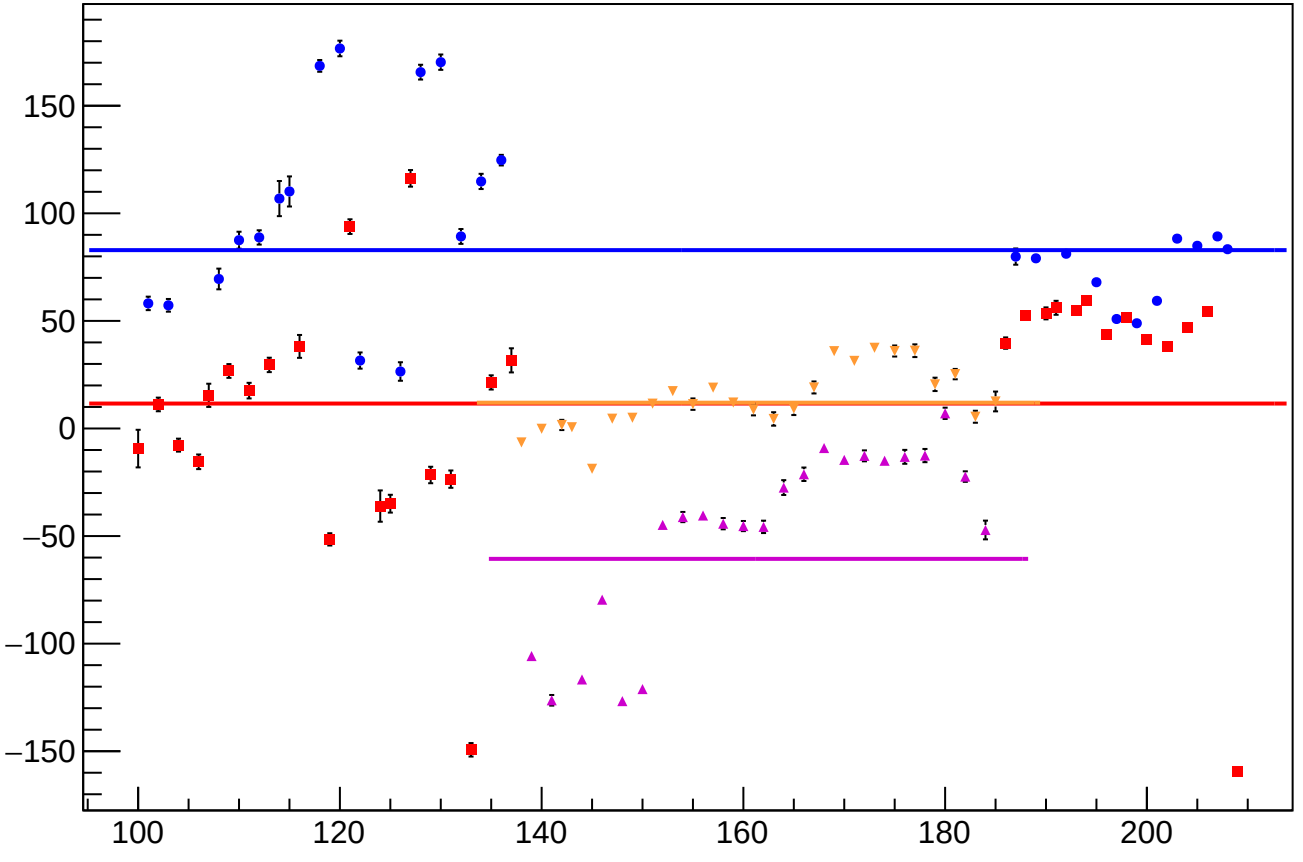
Right: 610.159+/-0.075 χ^2/NDF: 569045.3/58

In: 677.726+/-0.083 χ^2/NDF:1435122.7/49

Out: 676.851+/-0.080 χ^2/NDF:1630887.1/56

All: 677.272+/-0.058 χ^2/NDF: 3066067.4/106

diff_bpm1i06X_mean vs Slug, Sign Corrected



Right In: 82.894+/-0.468 χ^2/NDF: 4696.7/26

Left Out: 11.989+/-0.472 χ^2/NDF:947.1/24

Right Out: 11.588+/-0.442 χ^2/NDF: 27298.4/31

Left In: -60.598+/-0.481 χ^2/NDF:8638.1/22

Left: -23.591+/-0.337 χ^2/NDF: 21200.1/47

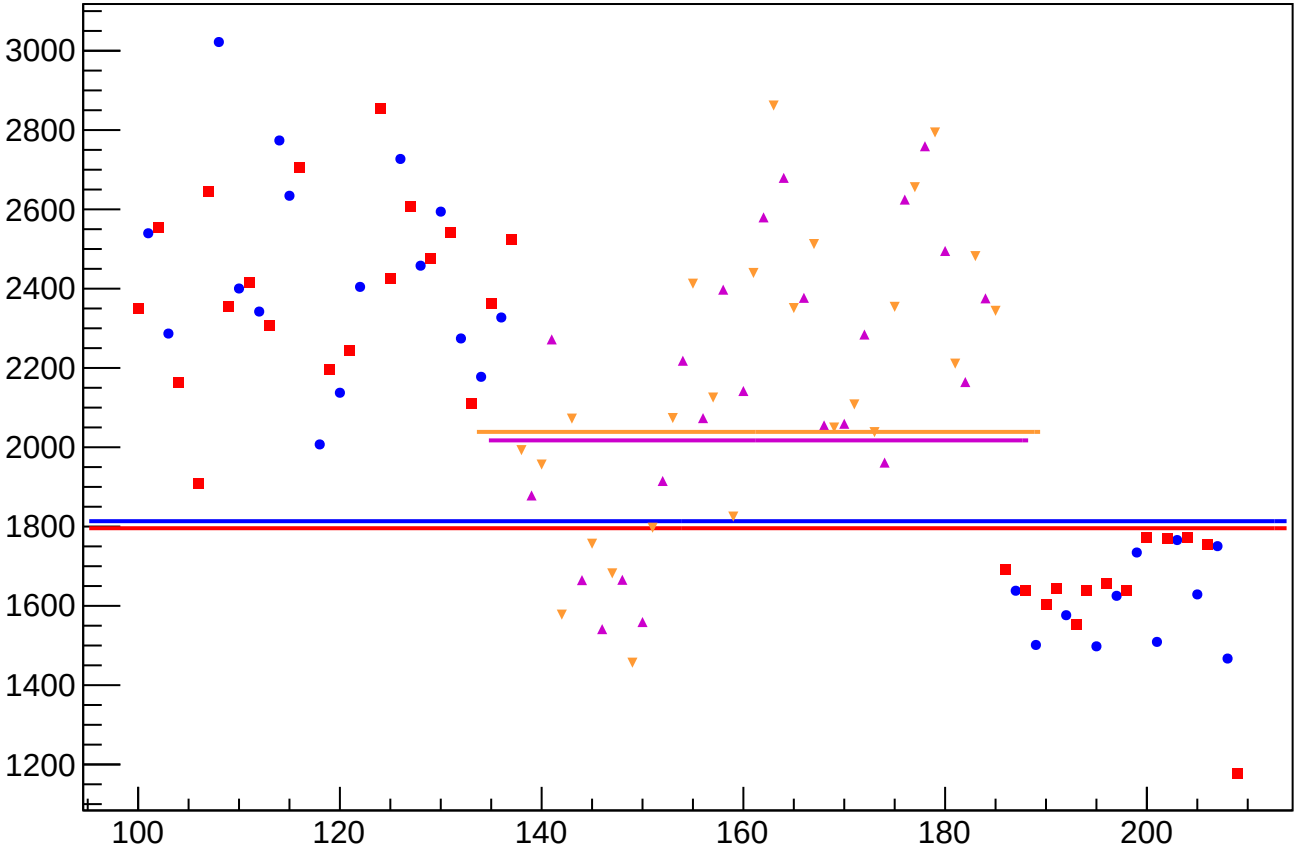
Right: 45.244+/-0.321 χ^2/NDF: 44268.9/58

In: 13.148+/-0.335 χ^2/NDF:59089.7/49

Out: 11.776+/-0.323 χ^2/NDF:28245.9/56

All: 12.435+/-0.232 χ^2/NDF: 87344.3/106

diff_bpm1i06X_rms vs Slug, Sign Corrected



Right In: 1813.576+/-0.331 χ^2/NDF: 1285664.2/26

Left Out: 2038.784+/-0.333 χ^2/NDF:1123518.3/24

Right Out: 1795.801+/-0.313 χ^2/NDF: 1503169.4/31

Left In: 2017.328+/-0.340 χ^2/NDF:1050043.3/22

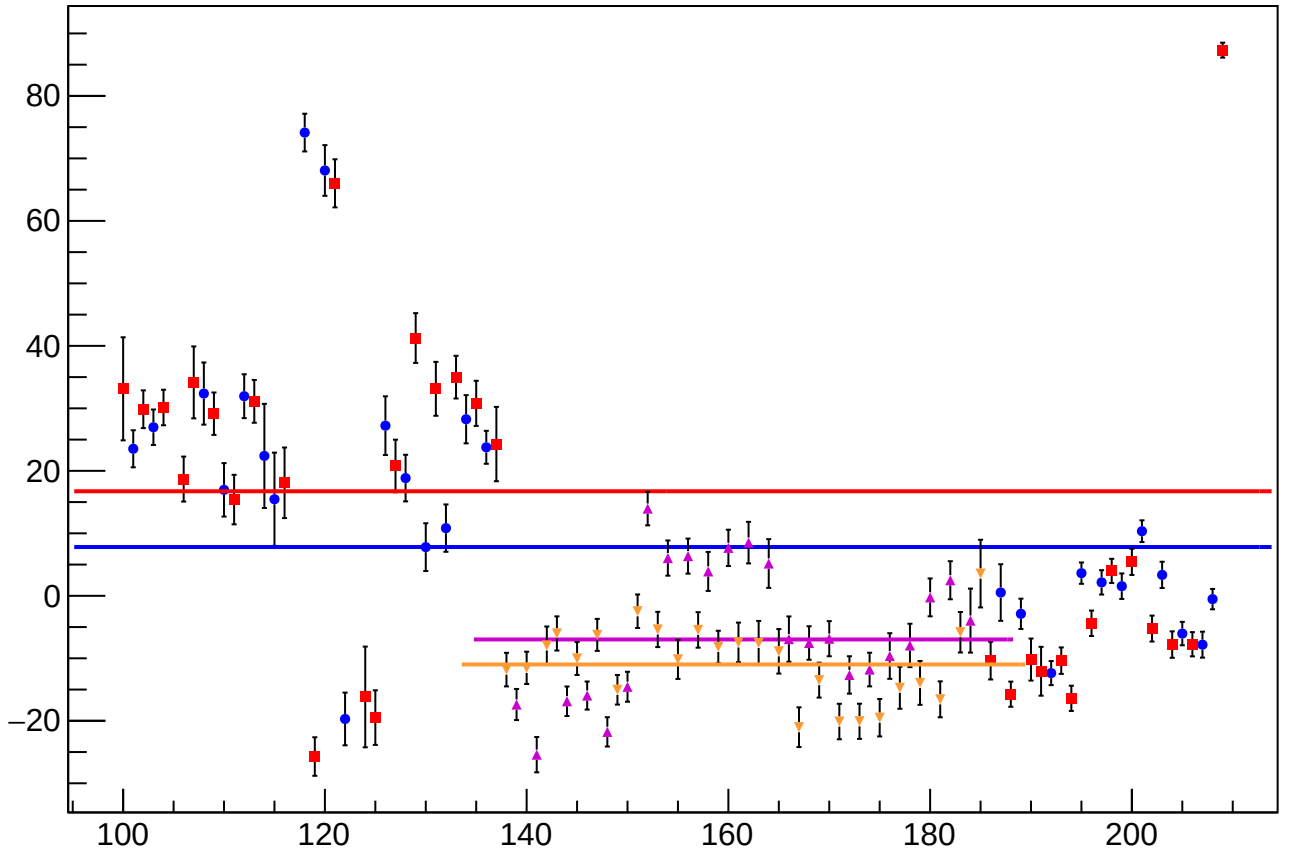
Left: 2028.267+/-0.238 χ^2/NDF: 2175591.3/47

Right: 1804.190+/-0.227 χ^2/NDF: 2790359.1/58

In: 1912.613+/-0.237 χ^2/NDF:2520217.2/49

Out: 1909.491+/-0.228 χ^2/NDF:2909264.9/56

All: 1910.991+/-0.164 χ^2/NDF: 5429572.1/10



Right In: 7.809+/-0.505 χ^2/NDF: 1291.0/26

Left Out: -10.985+/-0.586 χ^2/NDF:87.6/24

Right Out: 16.733+/-0.479 χ^2/NDF: 5584.5/31

Left In: -6.985+/-0.598 χ^2/NDF:339.5/22

Left: -9.027+/-0.419 χ^2/NDF: 449.9/47

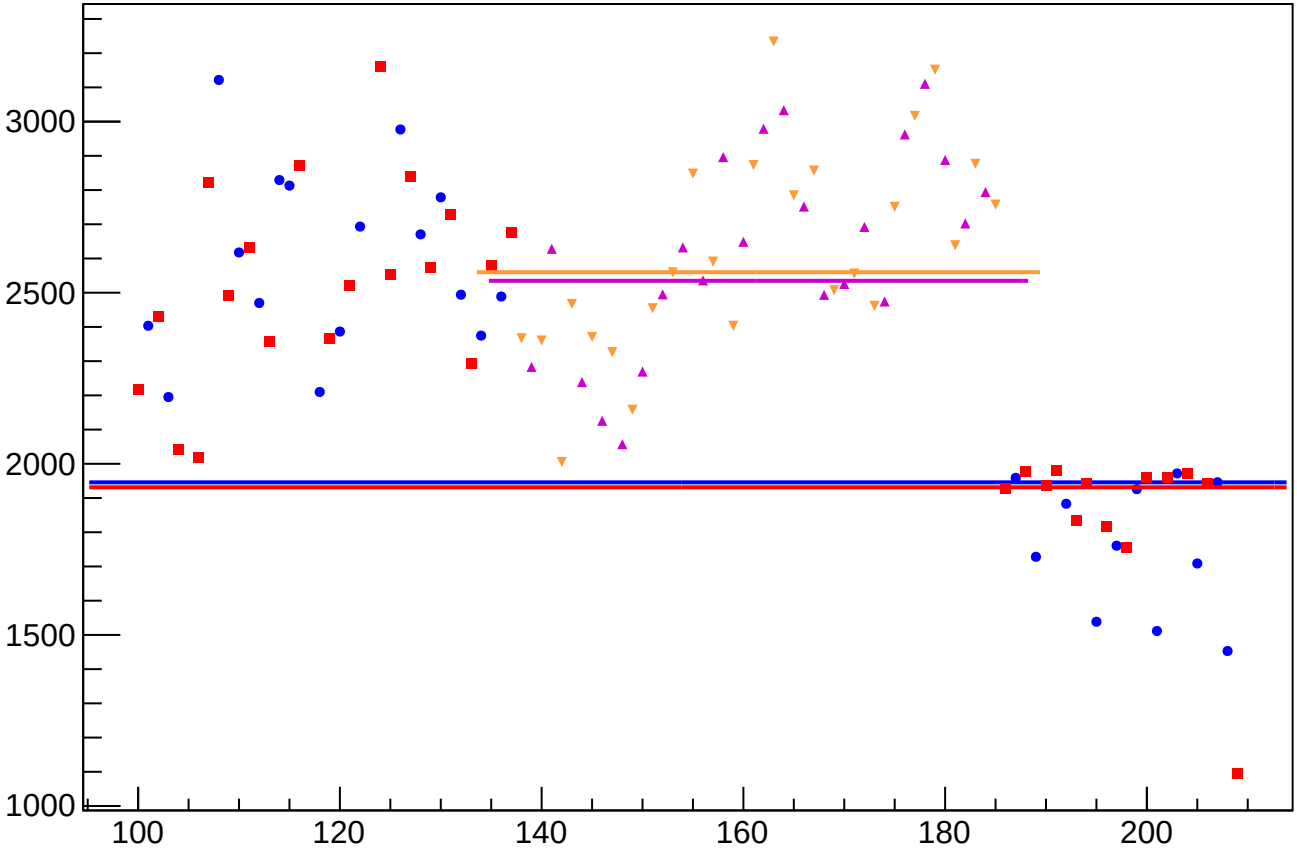
Right: 12.508+/-0.347 χ^2/NDF: 7040.0/58

In: 1.659+/-0.386 χ^2/NDF:1987.5/49

Out: 5.635+/-0.371 χ^2/NDF:7014.2/56

All: 3.727+/-0.267 χ^2/NDF: 9056.9/106

diff_bpm1i06Y_rms vs Slug, Sign Corrected



Right In: 1945.825+/-0.357 χ^2/NDF: 1328322.7/26

Left Out: 2559.931+/-0.414 χ^2/NDF:450188.5/24

Right Out: 1931.345+/-0.339 χ^2/NDF: 1826101.8/31

Left In: 2534.780+/-0.423 χ^2/NDF:463621.9/22

Left: 2547.623+/-0.296 χ^2/NDF: 915614.3/47

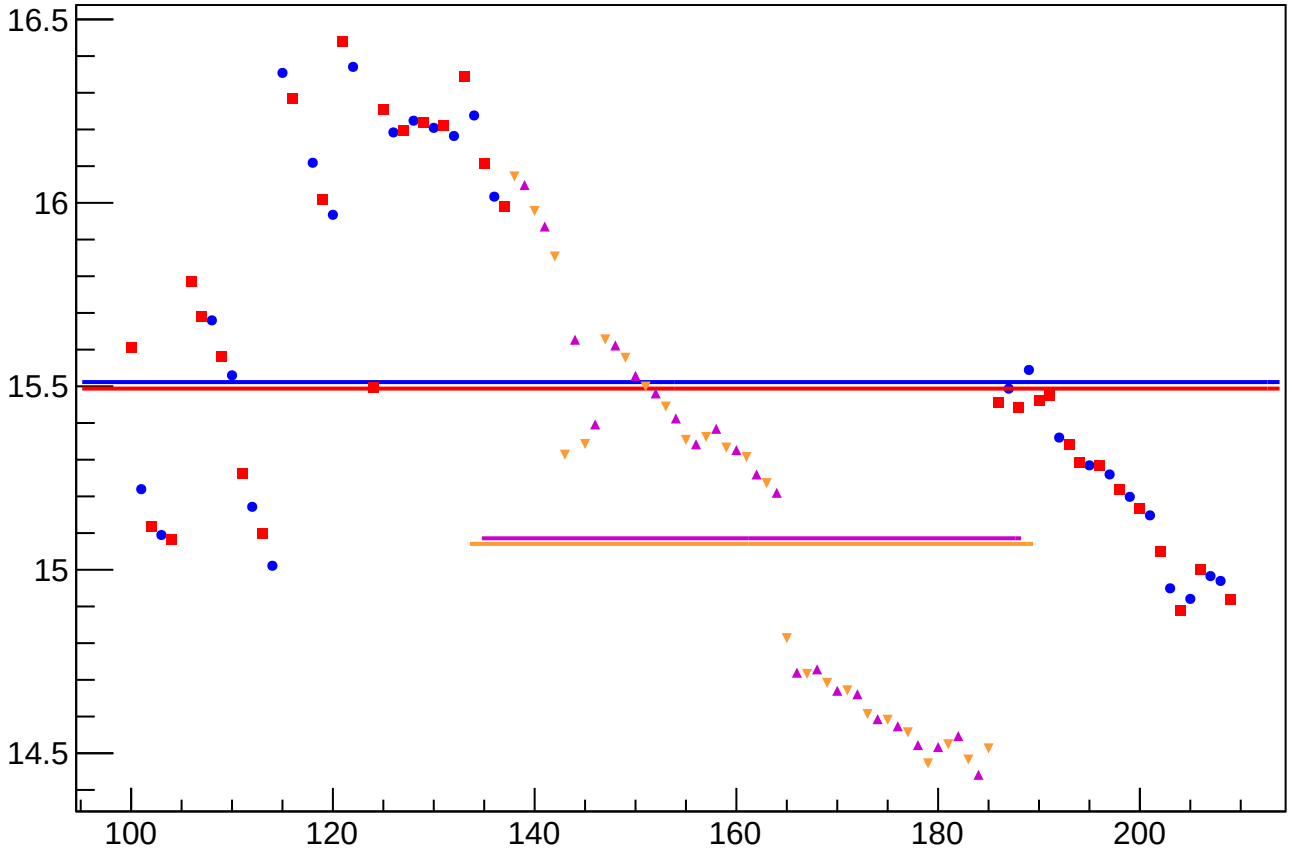
Right: 1938.201+/-0.246 χ^2/NDF: 3155290.8/58

In: 2190.680+/-0.273 χ^2/NDF:2923622.7/49

Out: 2183.015+/-0.262 χ^2/NDF:3656693.1/56

All: 2186.694+/-0.189 χ^2/NDF: 6580726.2/10

yield_sam1_mean vs Slug, Sign Corrected



Right In: 15.512+/-0.000 χ^2/NDF: 21607368460.4/26

Left Out: 15.070+/-0.000 χ^2/NDF:43718295237.2/24

Right Out: 15.494+/-0.000 χ^2/NDF: 19982548091.9/31

Left In: 15.086+/-0.000 χ^2/NDF:39504896066.7/22

Left: 15.078+/-0.000 χ^2/NDF: 83242630627.9/47

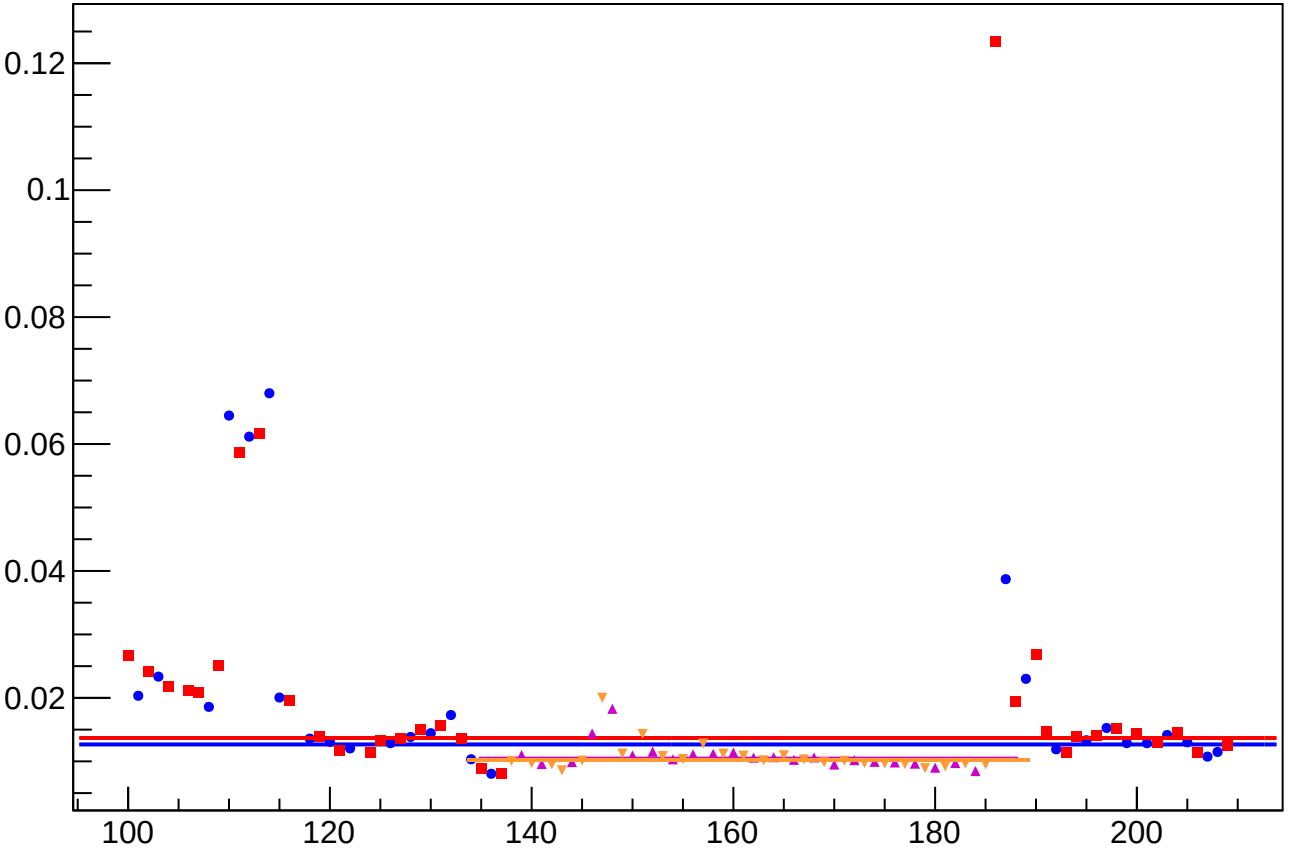
Right: 15.503+/-0.000 χ^2/NDF: 41602717648.6/58

In: 15.234+/-0.000 χ^2/NDF:71092342535.9/49

Out: 15.202+/-0.000 χ^2/NDF:73380681000.5/56

All: 15.218+/-0.000 χ^2/NDF: 144601236396.

yield_sam1_rms vs Slug, Sign Corrected



Right In: 0.013+/-0.000 χ^2/NDF: 2835628.6/26

Left Out: 0.010+/-0.000 χ^2/NDF:760322.0/24

Right Out: 0.014+/-0.000 χ^2/NDF: 3354904.2/31

Left In: 0.010+/-0.000 χ^2/NDF:597752.6/22

Left: 0.010+/-0.000 χ^2/NDF: 1365448.4/47

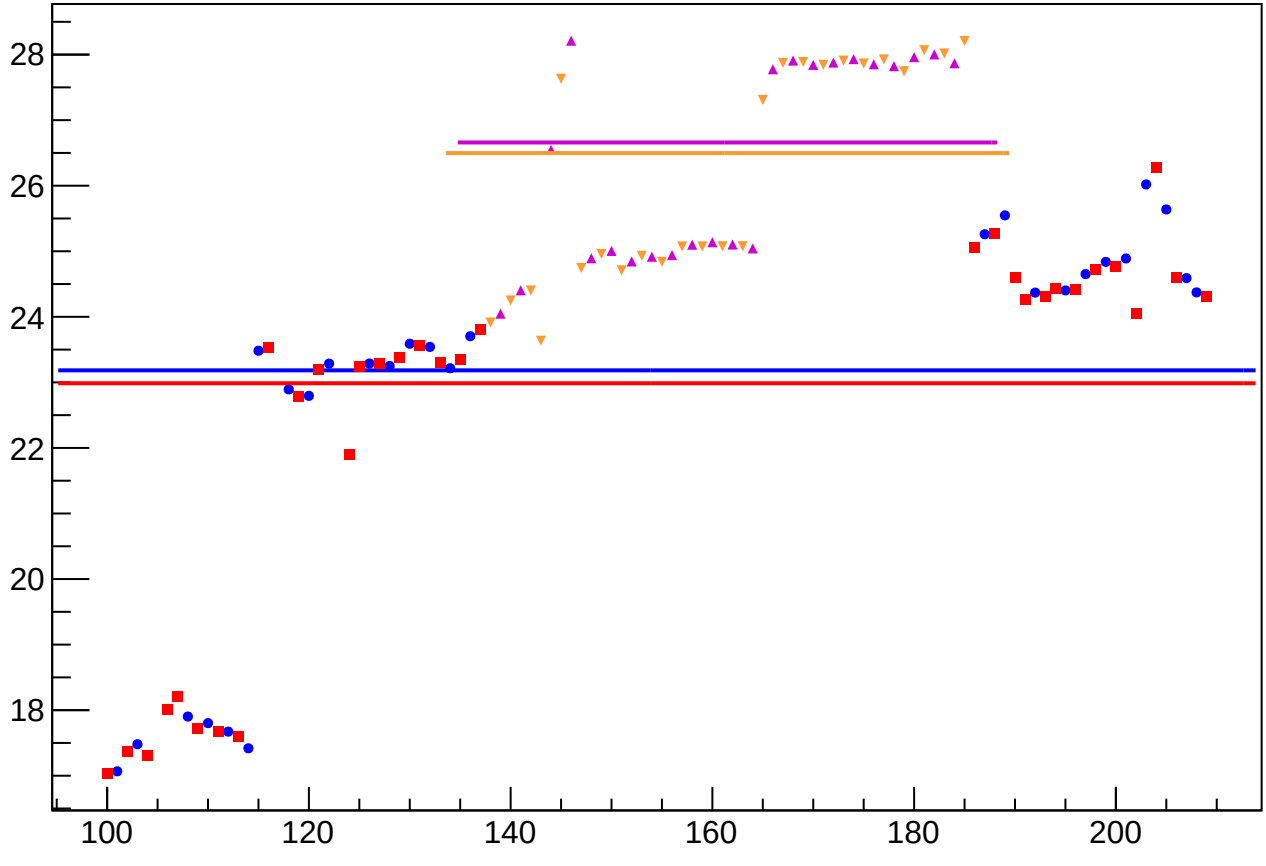
Right: 0.013+/-0.000 χ^2/NDF: 6274575.7/58

In: 0.011+/-0.000 χ^2/NDF:3983815.9/49

Out: 0.011+/-0.000 χ^2/NDF:5411010.2/56

All: 0.011+/-0.000 χ^2/NDF: 9396642.1/106

yield_sam2_mean vs Slug, Sign Corrected



Right In: 23.184+/-0.000 χ^2/NDF: 1593031263.1/26

Left Out: 26.498+/-0.000 χ^2/NDF:3909357236.5/24

Right Out: 22.986+/-0.000 χ^2/NDF: 1674792353.8/31

Left In: 26.660+/-0.000 χ^2/NDF:2886823196.4/22

Left: 26.575+/-0.000 χ^2/NDF: 6814787304.8/47

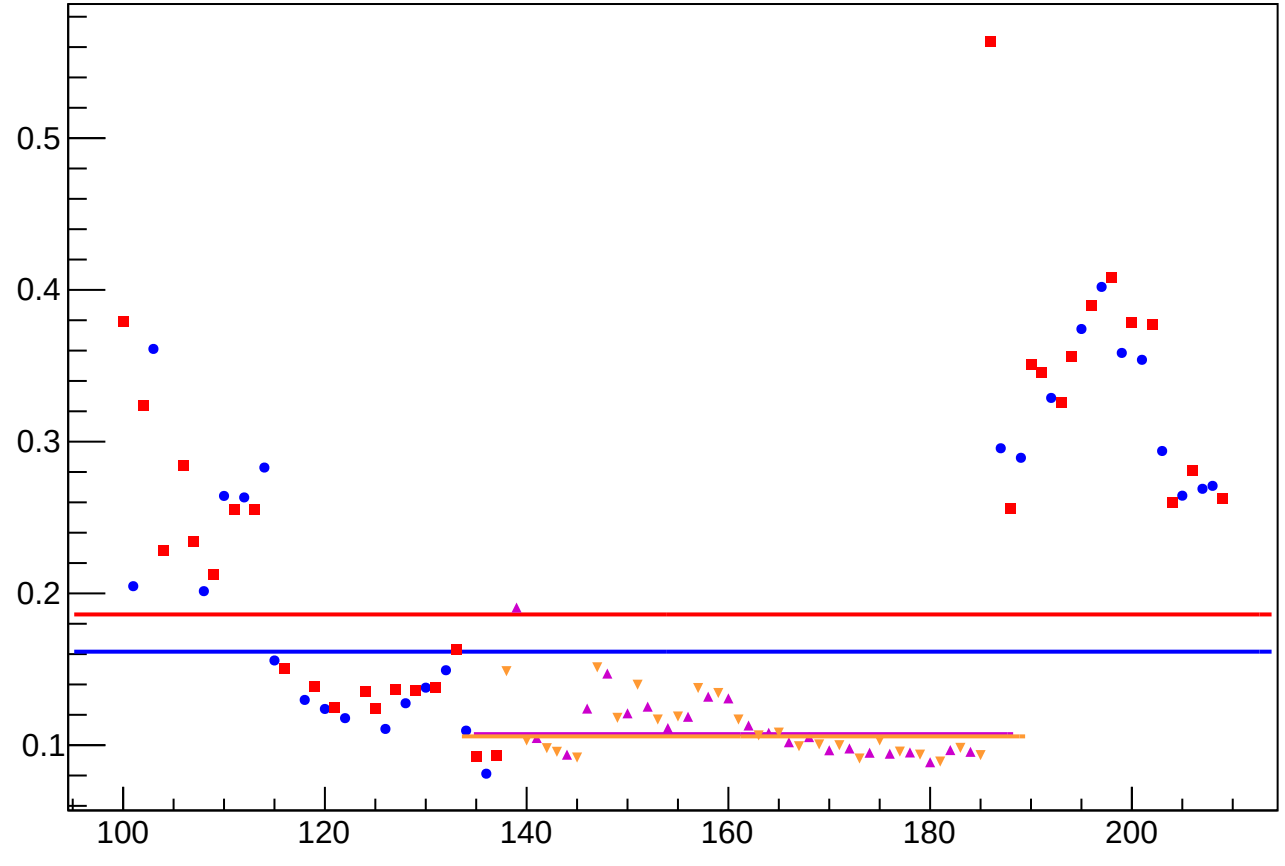
Right: 23.092+/-0.000 χ^2/NDF: 3275595432.2/58

In: 25.825+/-0.000 χ^2/NDF:8427211842.0/49

Out: 25.792+/-0.000 χ^2/NDF:9257236603.6/56

All: 25.808+/-0.000 χ^2/NDF: 17685405167.2

yield_sam2_rms vs Slug, Sign Corrected



Right In: 0.162+/-0.000 χ^2/NDF: 6725610.8/26

Left Out: 0.106+/-0.000 χ^2/NDF:756185.0/24

Right Out: 0.186+/-0.000 χ^2/NDF: 6354530.4/31

Left In: 0.107+/-0.000 χ^2/NDF:859458.3/22

Left: 0.106+/-0.000 χ^2/NDF: 1618736.7/47

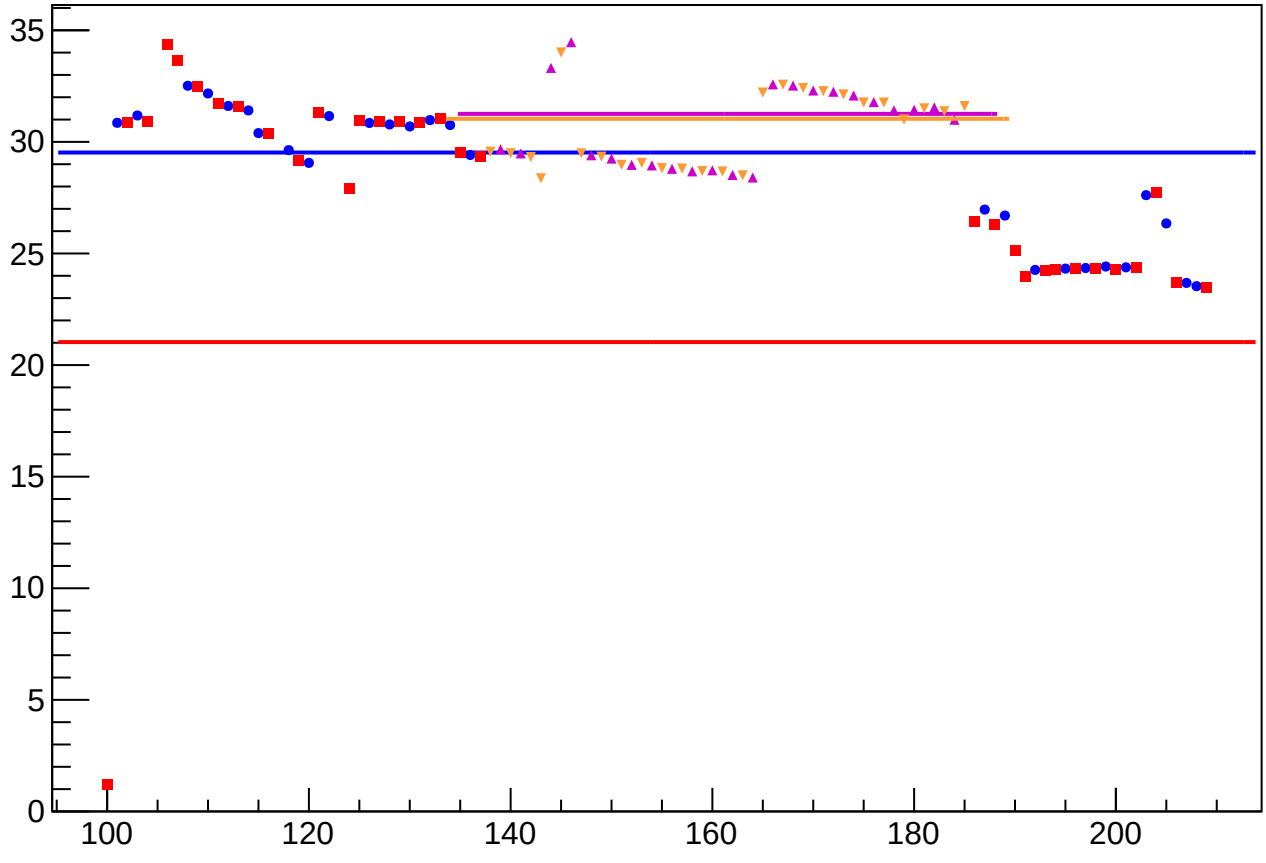
Right: 0.173+/-0.000 χ^2/NDF: 13320419.1/58

In: 0.120+/-0.000 χ^2/NDF:9514729.5/49

Out: 0.122+/-0.000 χ^2/NDF:10957368.8/56

All: 0.121+/-0.000 χ^2/NDF: 20476828.0/106

yield_sam3_mean vs Slug, Sign Corrected



Right In: 29.523+/-0.000 χ^2/NDF: 5518051395.6/26

Left Out: 31.035+/-0.000 χ^2/NDF:11897463221.2/24

Right Out: 21.030+/-0.000 χ^2/NDF: 226000818402.9/31

Left In: 31.256+/-0.000 χ^2/NDF:12589744083.0/22

Left: 31.143+/-0.000 χ^2/NDF: 24589664395.0/47

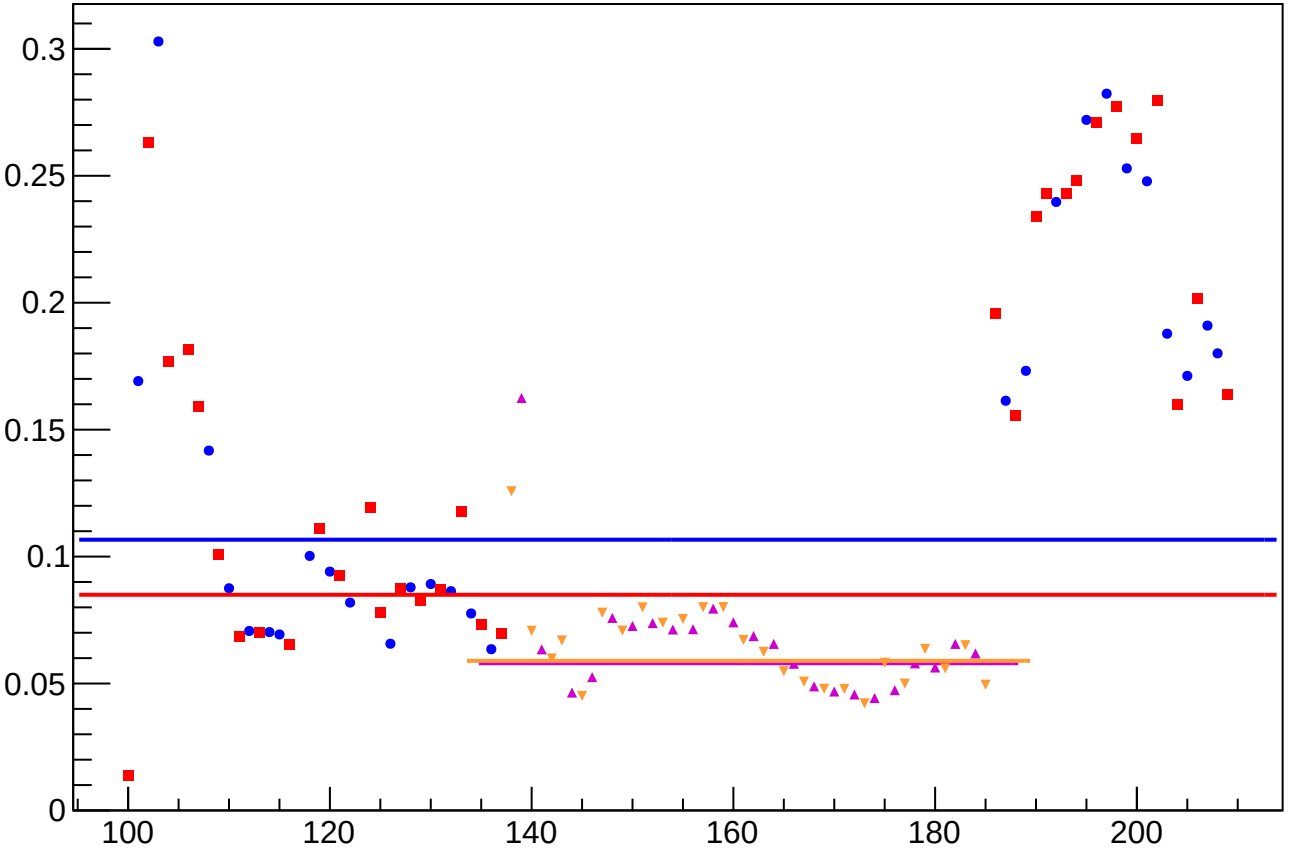
Right: 24.635+/-0.000 χ^2/NDF: 271444167398.5/58

In: 30.928+/-0.000 χ^2/NDF:20449275418.2/49

Out: 28.699+/-0.000 χ^2/NDF:337973757553.6/56

All: 29.762+/-0.000 χ^2/NDF: 371650690468.

yield_sam3_rms vs Slug, Sign Corrected



Right In: 0.107+/-0.000 χ^2/NDF: 6437083.9/26

Left Out: 0.059+/-0.000 χ^2/NDF:1536601.0/24

Right Out: 0.085+/-0.000 χ^2/NDF: 12330878.8/31

Left In: 0.058+/-0.000 χ^2/NDF:1716553.7/22

Left: 0.058+/-0.000 χ^2/NDF: 3257018.5/47

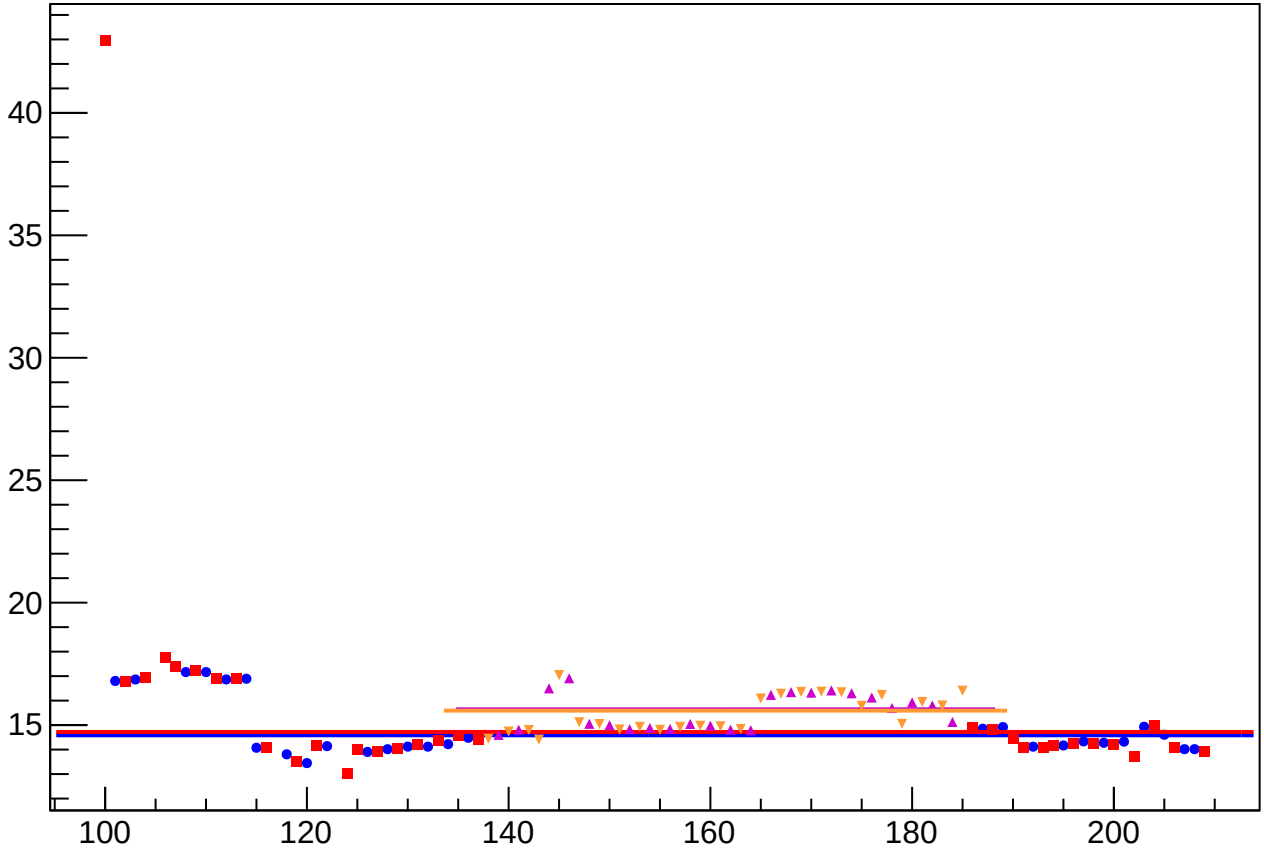
Right: 0.094+/-0.000 χ^2/NDF: 19289259.1/58

In: 0.067+/-0.000 χ^2/NDF:11848143.1/49

Out: 0.065+/-0.000 χ^2/NDF:15220191.2/56

All: 0.066+/-0.000 χ^2/NDF: 27093377.9/106

yield_sam4_mean vs Slug, Sign Corrected



Right In: 14.584+/-0.000 χ^2/NDF: 1237401326.8/26

Left Out: 15.591+/-0.000 χ^2/NDF:2257437225.0/24

Right Out: 14.720+/-0.000 χ^2/NDF: 1845649040.1/31

Left In: 15.645+/-0.000 χ^2/NDF:1858454747.6/22

Left: 15.617+/-0.000 χ^2/NDF: 4121246437.2/47

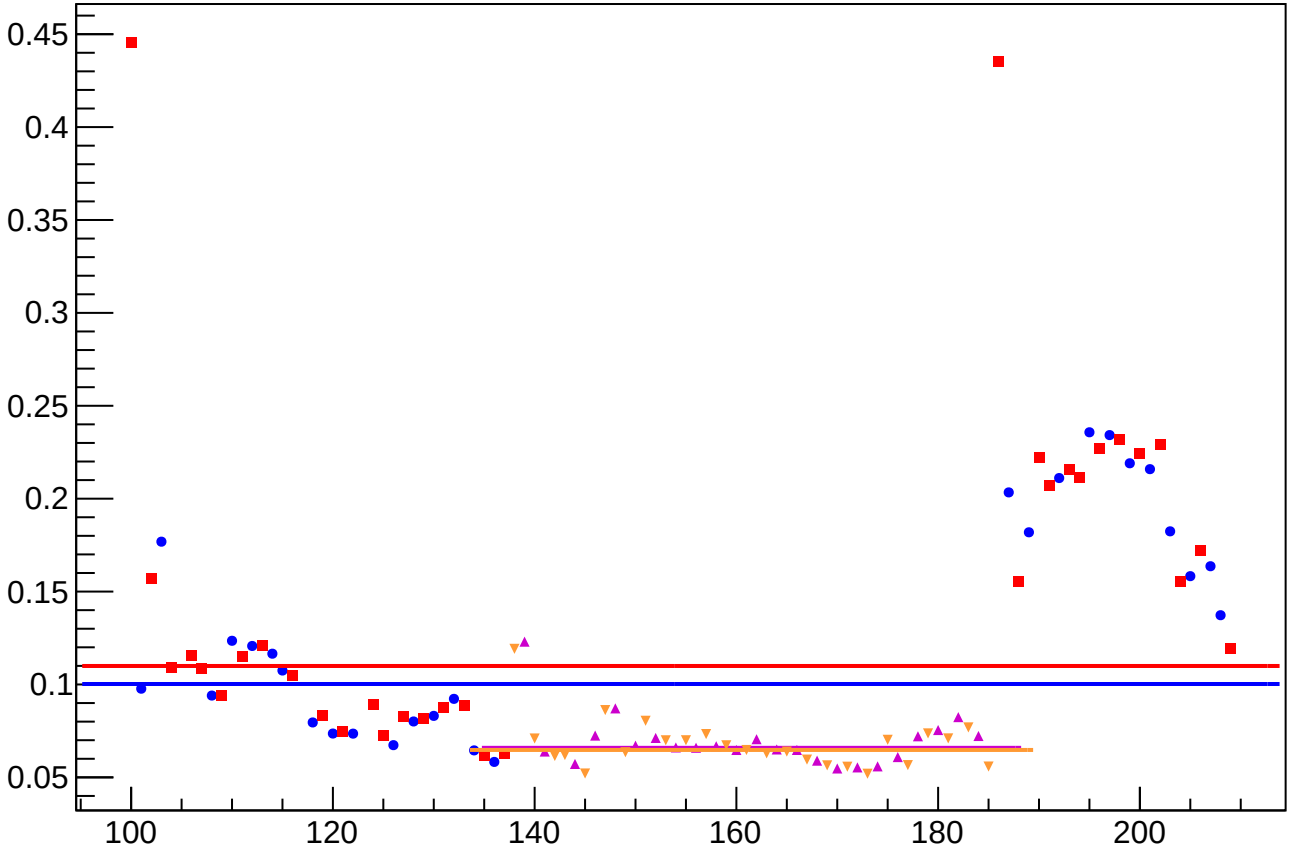
Right: 14.650+/-0.000 χ^2/NDF: 3093537982.3/58

In: 15.382+/-0.000 χ^2/NDF:4092726856.8/49

Out: 15.400+/-0.000 χ^2/NDF:4753847294.7/56

All: 15.391+/-0.000 χ^2/NDF: 8847359063.5/1

yield_sam4_rms vs Slug, Sign Corrected



Right In: 0.100+/-0.000 χ^2/NDF: 5568173.5/26

Left Out: 0.065+/-0.000 χ^2/NDF:855753.3/24

Right Out: 0.110+/-0.000 χ^2/NDF: 5545758.8/31

Left In: 0.066+/-0.000 χ^2/NDF:788235.2/22

Left: 0.065+/-0.000 χ^2/NDF: 1648838.5/47

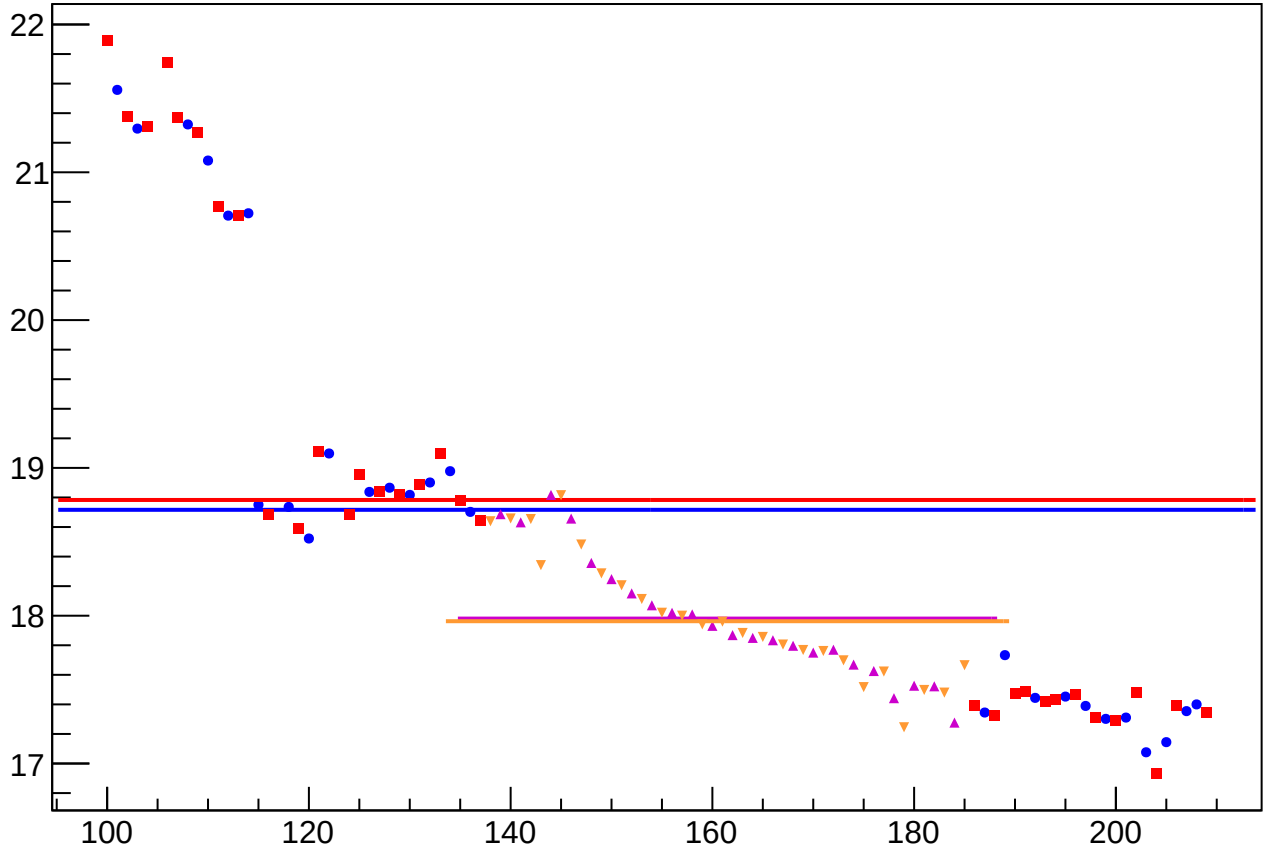
Right: 0.105+/-0.000 χ^2/NDF: 11220946.7/58

In: 0.074+/-0.000 χ^2/NDF:8448444.1/49

Out: 0.075+/-0.000 χ^2/NDF:9904477.7/56

All: 0.075+/-0.000 χ^2/NDF: 18353276.3/106

yield_sam5_mean vs Slug, Sign Corrected



Right In: 18.716+/-0.000 χ^2/NDF: 33291816251.4/26

Left Out: 17.963+/-0.000 χ^2/NDF:3041551307.2/24

Right Out: 18.783+/-0.000 χ^2/NDF: 36266349143.1/31

Left In: 17.980+/-0.000 χ^2/NDF:2720441956.8/22

Left: 17.971+/-0.000 χ^2/NDF: 5764899395.7/47

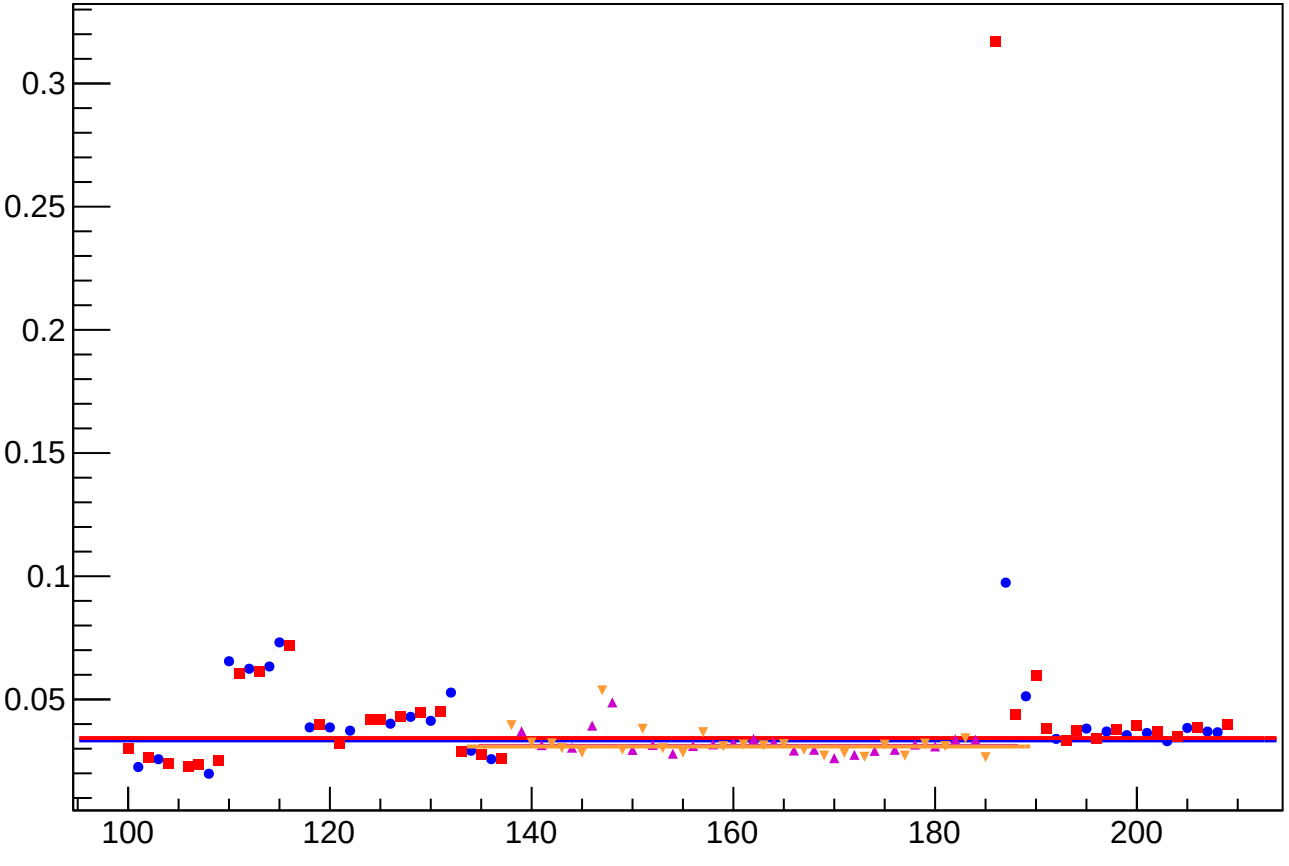
Right: 18.750+/-0.000 χ^2/NDF: 69586268536.8/58

In: 18.284+/-0.000 χ^2/NDF:39999420911.0/49

Out: 18.291+/-0.000 χ^2/NDF:44477747729.0/56

All: 18.288+/-0.000 χ^2/NDF: 84478073198.5

yield_sam5_rms vs Slug, Sign Corrected



Right In: 0.033+/-0.000 χ^2/NDF: 1963413.6/26

Left Out: 0.031+/-0.000 χ^2/NDF:633519.6/24

Right Out: 0.034+/-0.000 χ^2/NDF: 2296547.4/31

Left In: 0.031+/-0.000 χ^2/NDF:482919.2/22

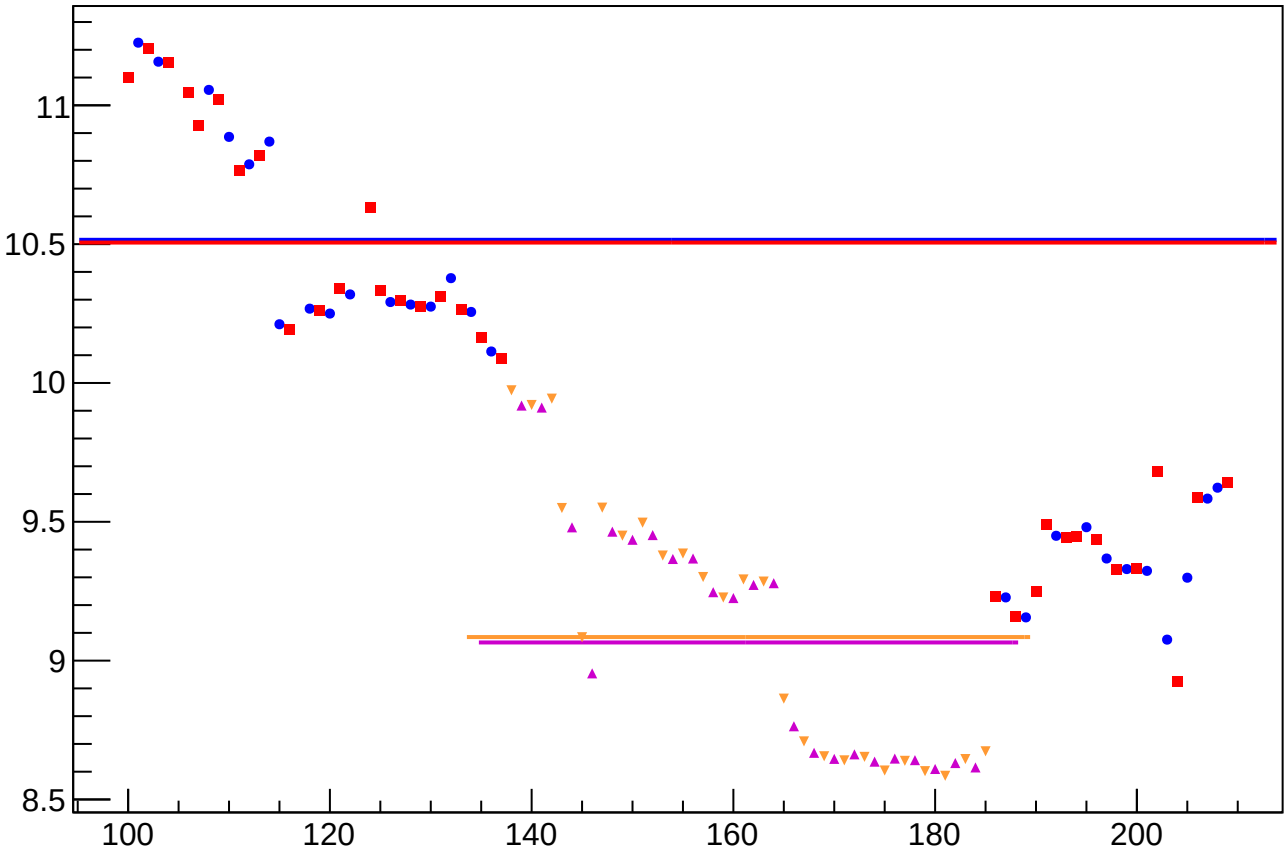
Left: 0.031+/-0.000 χ^2/NDF: 1117566.2/47

Right: 0.034+/-0.000 χ^2/NDF: 4271450.8/58

In: 0.032+/-0.000 χ^2/NDF:2519955.7/49

Out: 0.032+/-0.000 χ^2/NDF:3111431.2/56

All: 0.032+/-0.000 χ^2/NDF: 5632733.3/106



Right In: 10.516+/-0.000 χ^2/NDF: 14099437502.7/26

Left Out: 9.085+/-0.000 χ^2/NDF:10203625727.4/24

Right Out: 10.506+/-0.000 χ^2/NDF: 13130748198.2/31

Left In: 9.065+/-0.000 χ^2/NDF:8070708662.0/22

Left: 9.076+/-0.000 χ^2/NDF: 18283226528.9/47

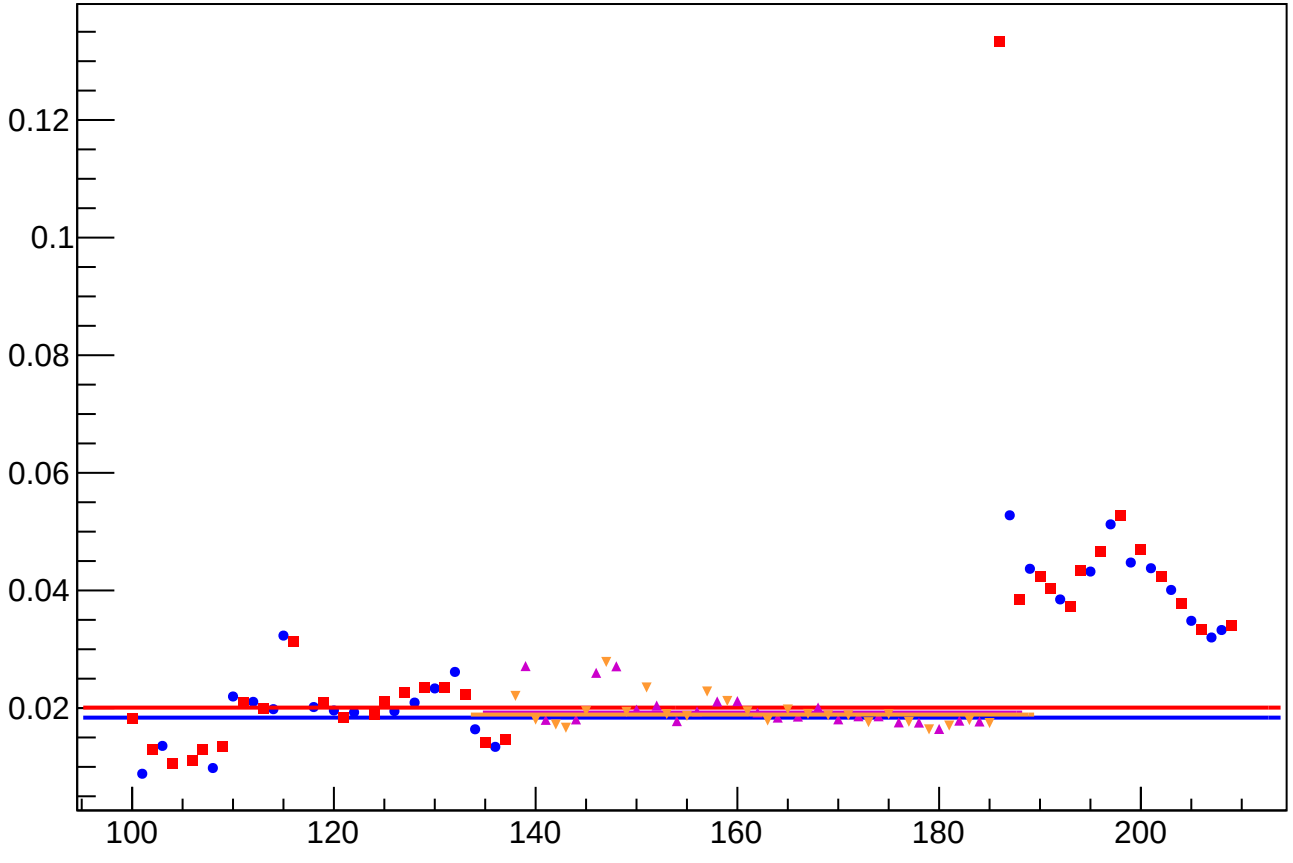
Right: 10.511+/-0.000 χ^2/NDF: 27231769831.9/58

In: 9.681+/-0.000 χ^2/NDF:62144505606.6/49

Out: 9.636+/-0.000 χ^2/NDF:61928418525.4/56

All: 9.658+/-0.000 χ^2/NDF: 124152785023.5

yield_sam6_rms vs Slug, Sign Corrected



Right In: 0.018+/-0.000 χ^2/NDF: 7294451.9/26

Left Out: 0.019+/-0.000 χ^2/NDF:441360.7/24

Right Out: 0.020+/-0.000 χ^2/NDF: 7420637.2/31

Left In: 0.019+/-0.000 χ^2/NDF:540886.4/22

Left: 0.019+/-0.000 χ^2/NDF: 987575.7/47

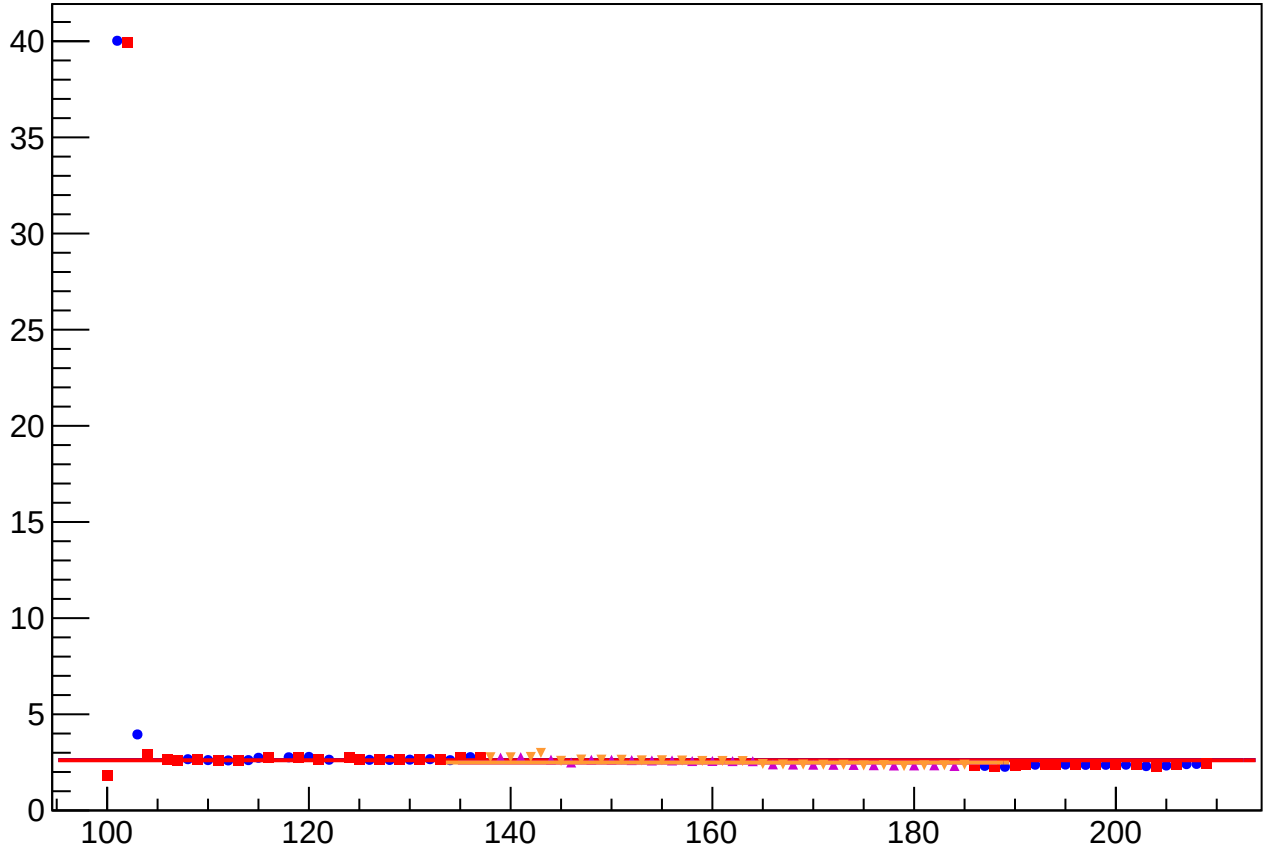
Right: 0.019+/-0.000 χ^2/NDF: 14808240.6/58

In: 0.019+/-0.000 χ^2/NDF:7863206.4/49

Out: 0.019+/-0.000 χ^2/NDF:7915610.5/56

All: 0.019+/-0.000 χ^2/NDF: 15797495.5/106

yield_sam7_mean vs Slug, Sign Corrected



Right In: 2.623+/-0.000 χ^2/NDF: 85876376595.8/26

Left Out: 2.491+/-0.000 χ^2/NDF:92364283353.6/24

Right Out: 2.611+/-0.000 χ^2/NDF: 84573015229.7/31

Left In: 2.489+/-0.000 χ^2/NDF:61212546319.1/22

Left: 2.490+/-0.000 χ^2/NDF: 153590739615.6/47

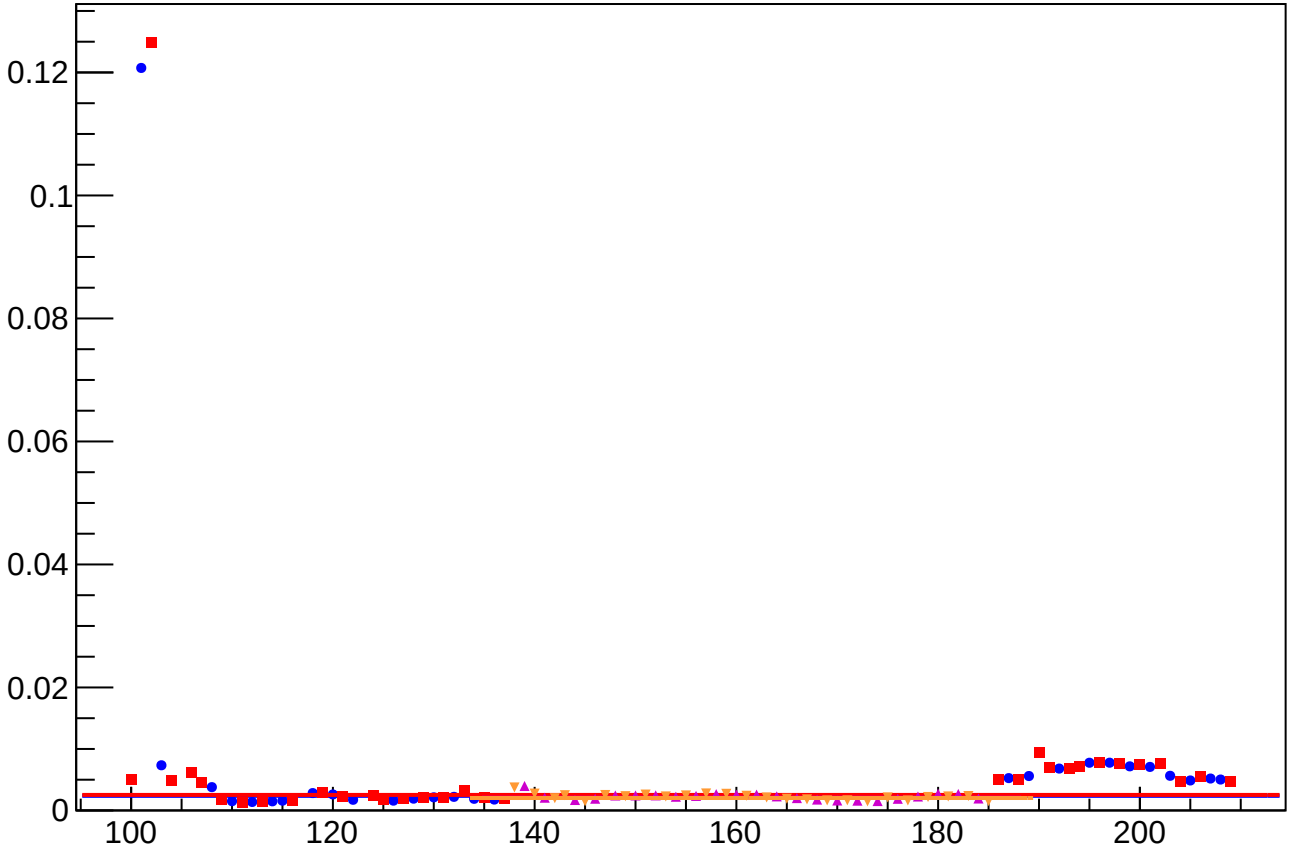
Right: 2.617+/-0.000 χ^2/NDF: 170577108516.5/58

In: 2.533+/-0.000 χ^2/NDF:167401861976.4/49

Out: 2.528+/-0.000 χ^2/NDF:193354827171.0/56

All: 2.530+/-0.000 χ^2/NDF: 360816098147.9

yield_sam7_rms vs Slug, Sign Corrected



Right In: 0.002+/-0.000 χ^2/NDF: 9007528.3/26

Left Out: 0.002+/-0.000 χ^2/NDF:1556481.5/24

Right Out: 0.003+/-0.000 χ^2/NDF: 10416841.9/31

Left In: 0.002+/-0.000 χ^2/NDF:1402331.9/22

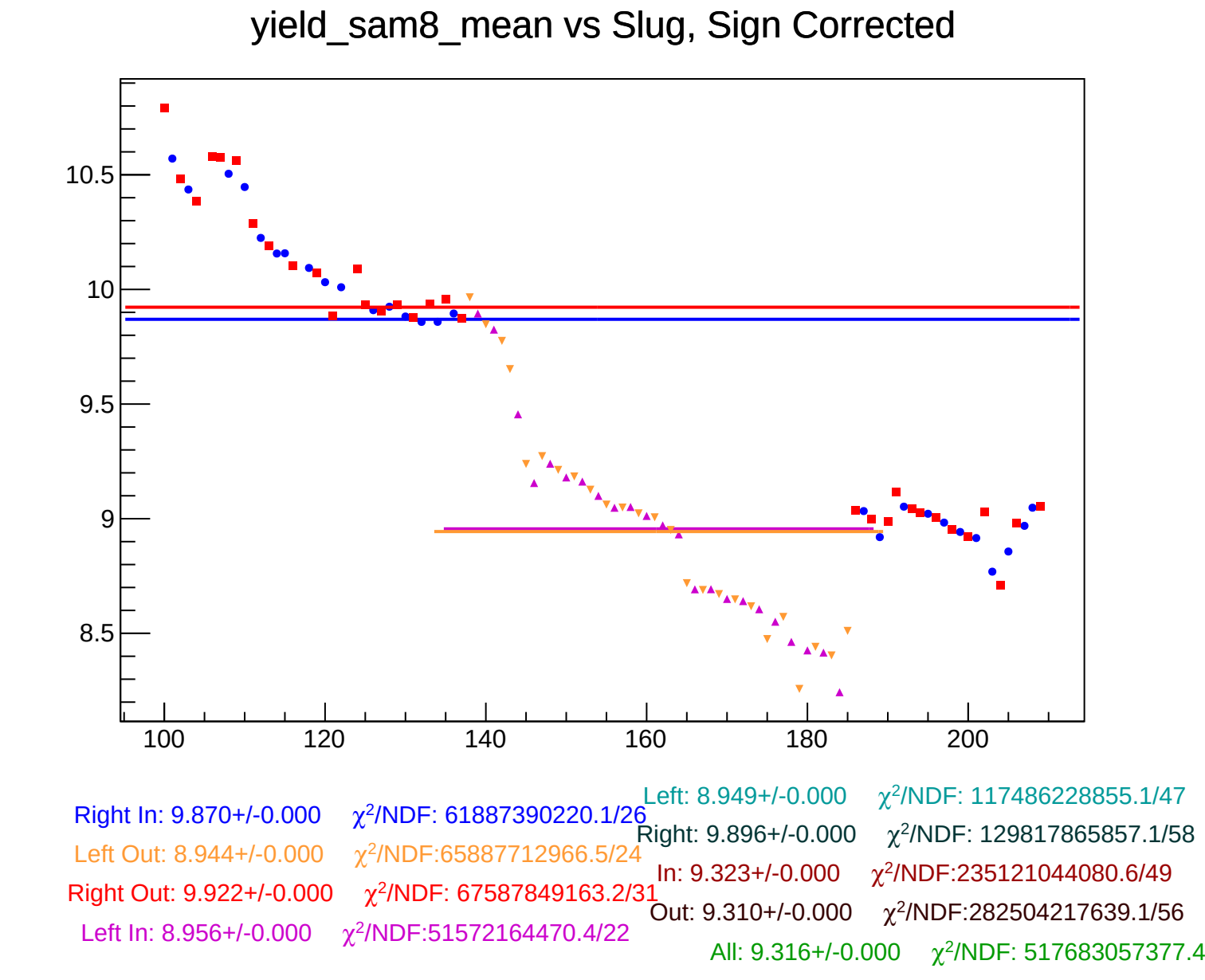
Left: 0.002+/-0.000 χ^2/NDF: 2965051.2/47

Right: 0.002+/-0.000 χ^2/NDF: 19461124.0/58

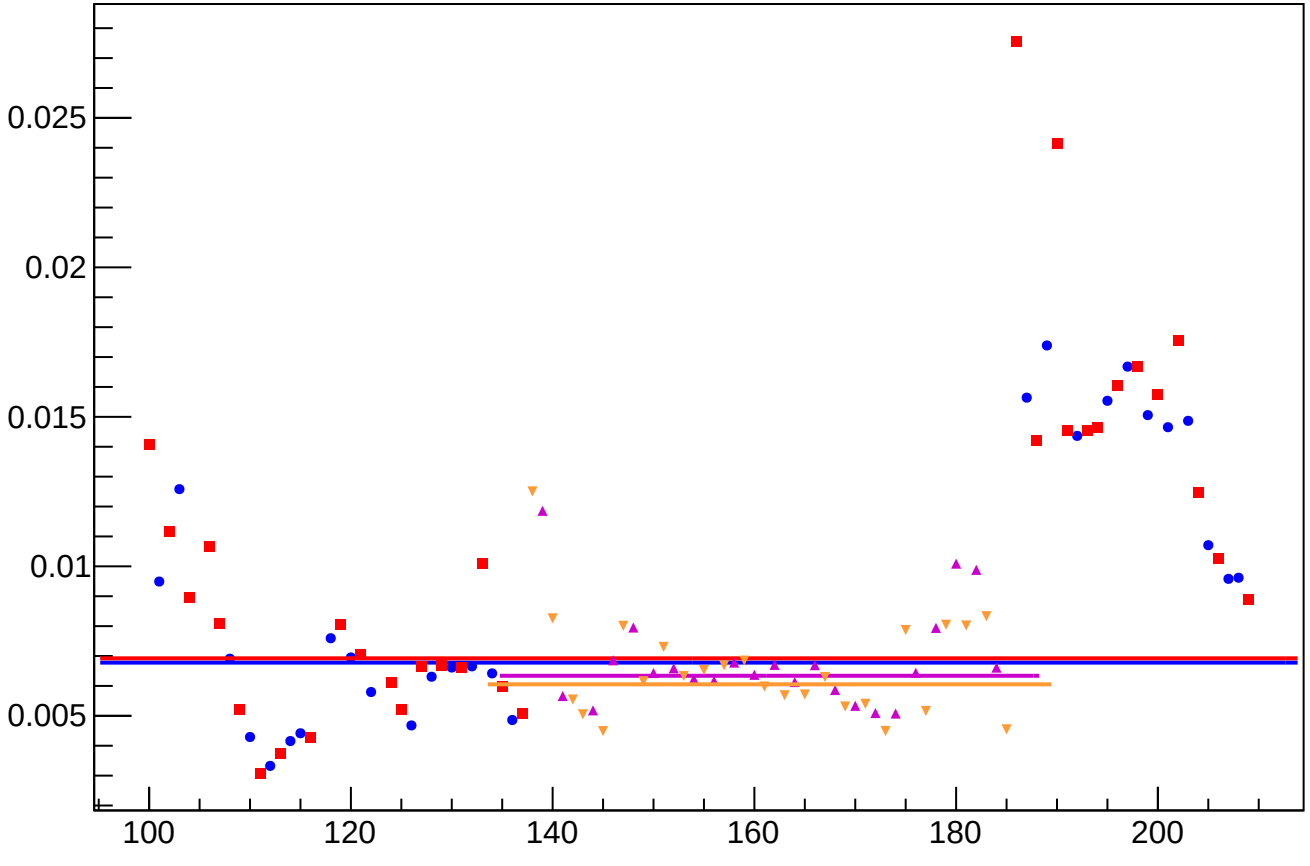
In: 0.002+/-0.000 χ^2/NDF:10627533.1/49

Out: 0.002+/-0.000 χ^2/NDF:12553534.6/56

All: 0.002+/-0.000 χ^2/NDF: 23181562.5/106


yield_sam8_mean vs Slug, Sign Corrected
10.5
10
9.5
9
8.5
100
120
140
160
180
200
Right In: 9.870+/-0.000 χ²/NDF: 61887390220.1/26
Left Out: 8.944+/-0.000 χ²/NDF:65887712966.5/24
Right Out: 9.922+/-0.000 χ²/NDF: 67587849163.2/31
Left In: 8.956+/-0.000 χ²/NDF:51572164470.4/22
Left: 8.949+/-0.000 χ²/NDF: 117486228855.1/47
Right: 9.896+/-0.000 χ²/NDF: 129817865857.1/58
In: 9.323+/-0.000 χ²/NDF:235121044080.6/49
Out: 9.310+/-0.000 χ²/NDF:282504217639.1/56
All: 9.316+/-0.000 χ²/NDF: 517683057377.4

yield_sam8_rms vs Slug, Sign Corrected



Right In: 0.007+/-0.000 χ^2/NDF: 6253357.7/26

Left Out: 0.006+/-0.000 χ^2/NDF:1461022.8/24

Right Out: 0.007+/-0.000 χ^2/NDF: 8038505.7/31

Left In: 0.006+/-0.000 χ^2/NDF:1175260.9/22

Left: 0.006+/-0.000 χ^2/NDF: 2667941.0/47

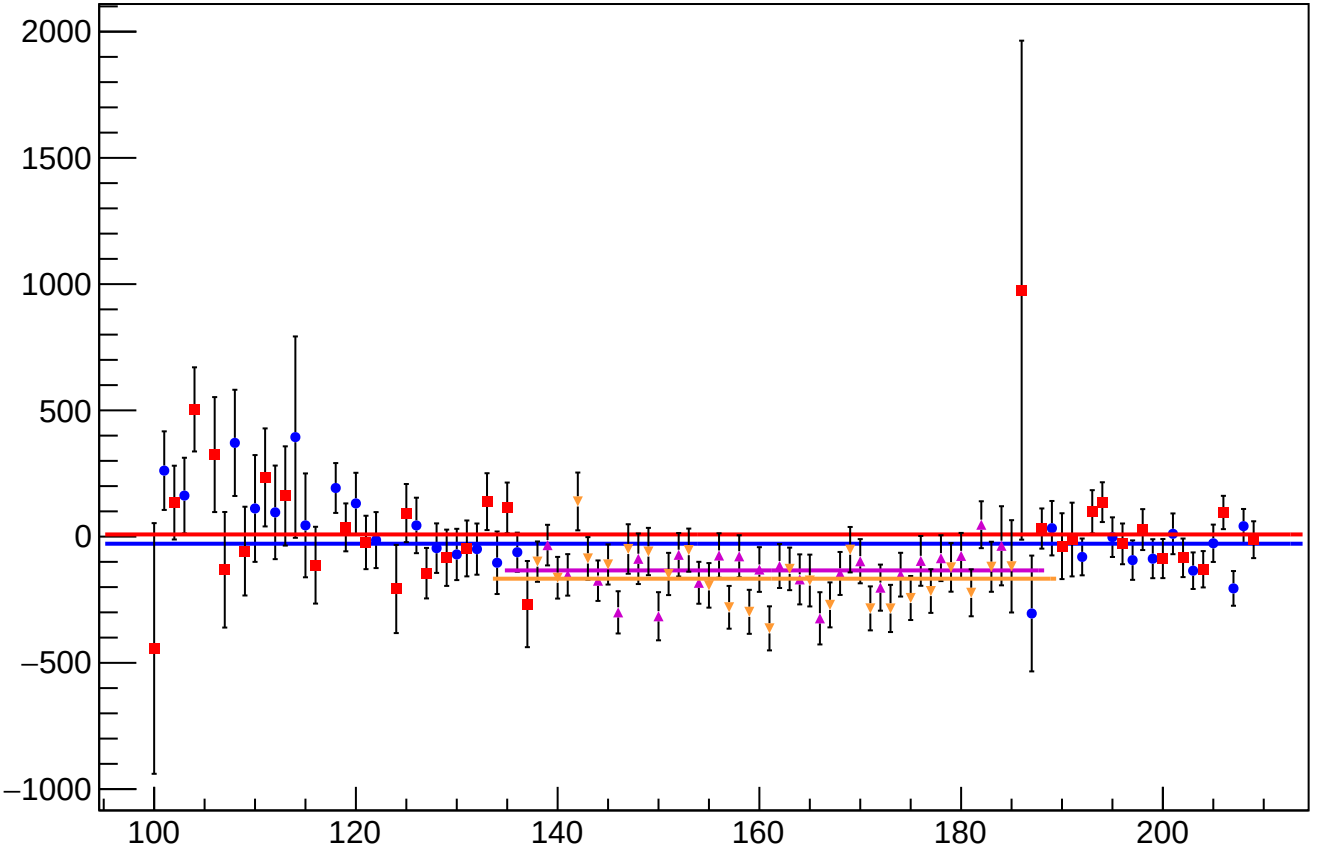
Right: 0.007+/-0.000 χ^2/NDF: 14296930.8/58

In: 0.007+/-0.000 χ^2/NDF:7485102.0/49

Out: 0.006+/-0.000 χ^2/NDF:9735030.1/56

All: 0.006+/-0.000 χ^2/NDF: 17232183.3/106

reg_asym_sam1_mean vs Slug, Sign Corrected



Right In: -28.161+/-18.907 χ^2/NDF: 32.6/26

Left Out: -166.676+/-18.079 χ^2/NDF:31.6/24

Right Out: 8.609+/-18.721 χ^2/NDF: 39.7/31

Left In: -133.843+/-18.756 χ^2/NDF:20.7/22

Left: -150.863+/-13.016 χ^2/NDF: 54.0/47

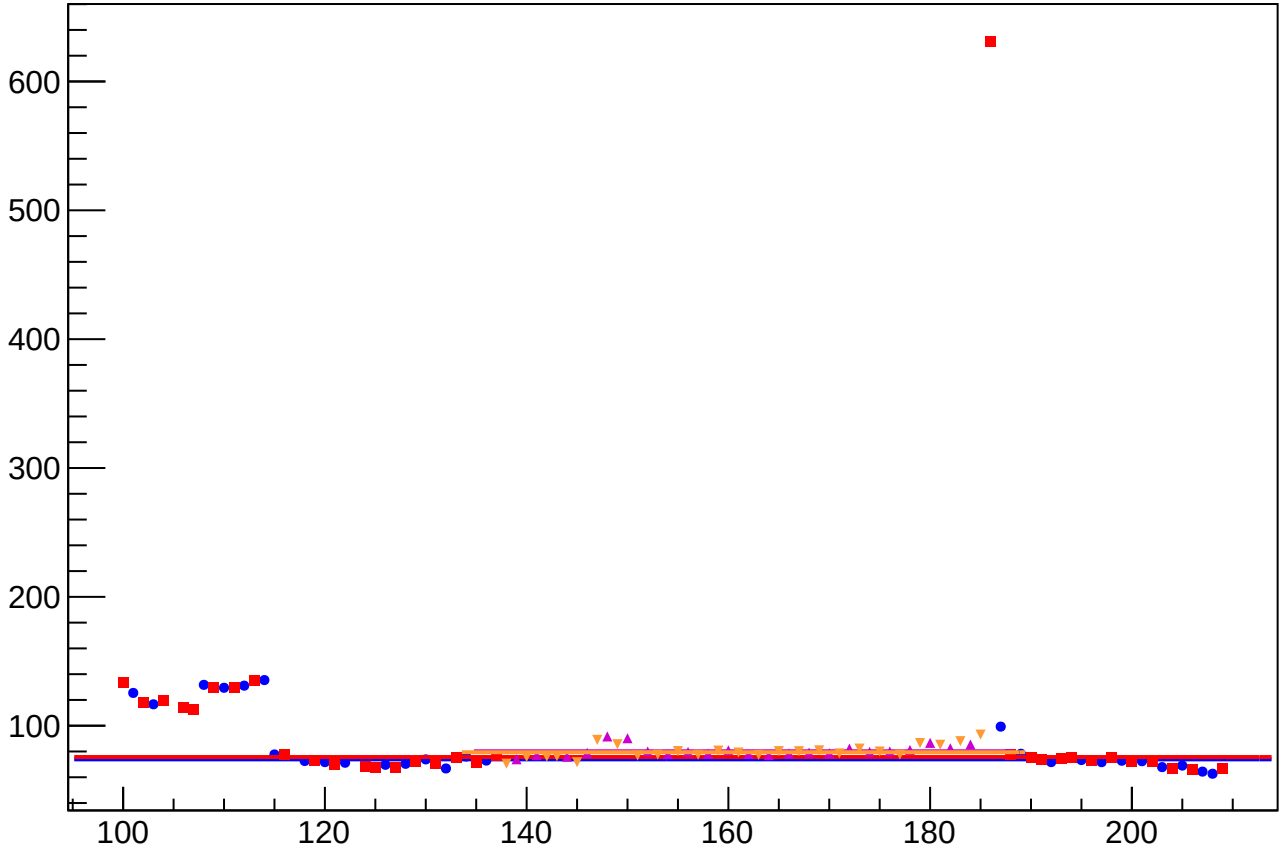
Right: -9.594+/-13.303 χ^2/NDF: 74.2/58

In: -81.426+/-13.315 χ^2/NDF:69.1/49

Out: -82.092+/-13.005 χ^2/NDF:116.7/56

All: -81.767+/-9.304 χ^2/NDF: 185.8/106

reg_asym_sam1_rms vs Slug, Sign Corrected



Right In: 73.882+/-0.013 χ^2/NDF: 1074859.5/26

Left Out: 79.410+/-0.013 χ^2/NDF:134796.0/24

Right Out: 75.689+/-0.013 χ^2/NDF: 1758324.5/31

Left In: 80.160+/-0.013 χ^2/NDF:91469.5/22

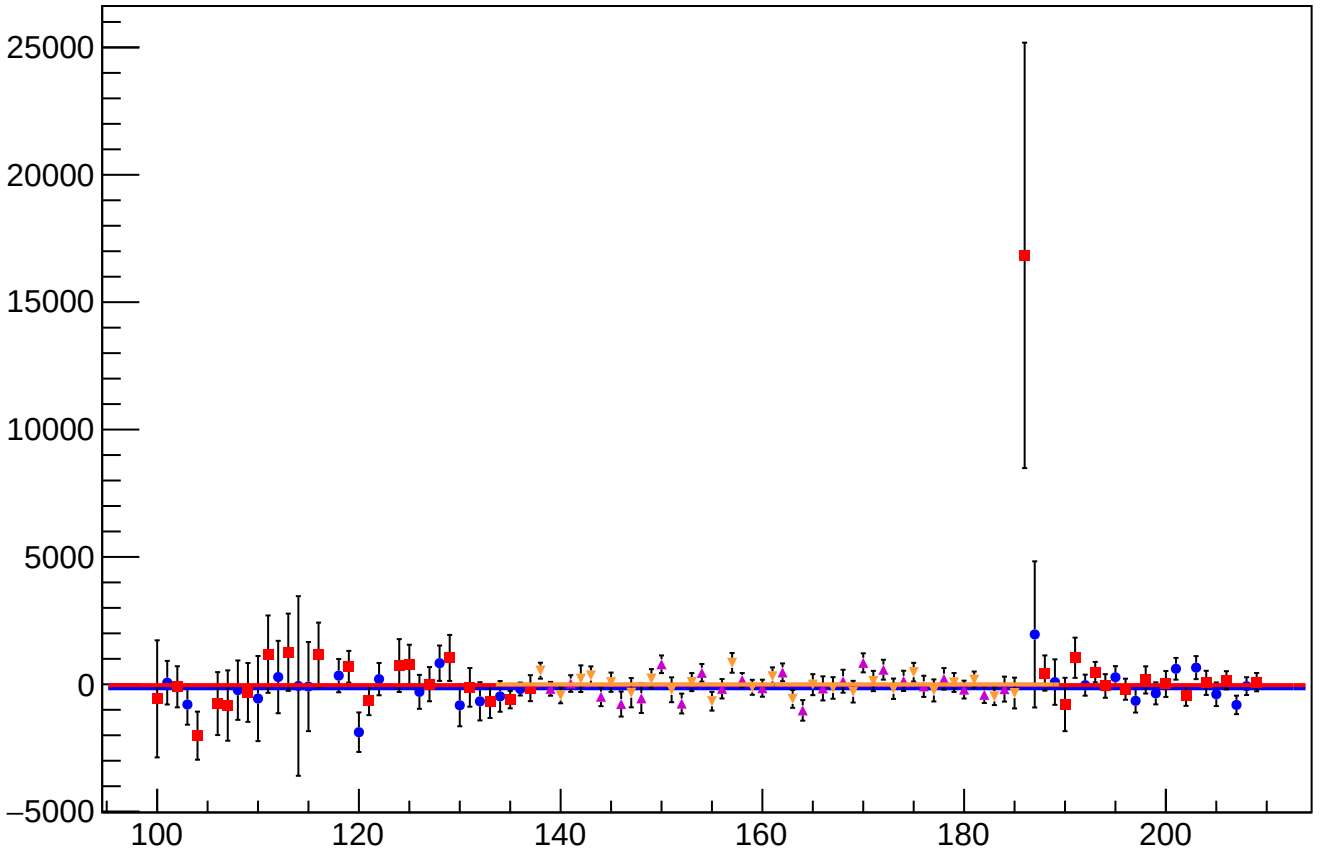
Left: 79.771+/-0.009 χ^2/NDF: 227922.3/47

Right: 74.795+/-0.009 χ^2/NDF: 2842403.9/58

In: 77.046+/-0.009 χ^2/NDF:1277461.6/49

Out: 77.615+/-0.009 χ^2/NDF:1934013.8/56

All: 77.337+/-0.007 χ^2/NDF: 3213339.0/106



Right In: -155.453+/-105.034 χ^2/NDF: 23.2/26

Left Out: -3.474+/-75.863 χ^2/NDF:24.0/24

Right Out: -31.132+/-105.700 χ^2/NDF: 27.1/31

Left In: -19.298+/-77.541 χ^2/NDF:35.0/22

Left: -11.213+/-54.227 χ^2/NDF: 59.1/47

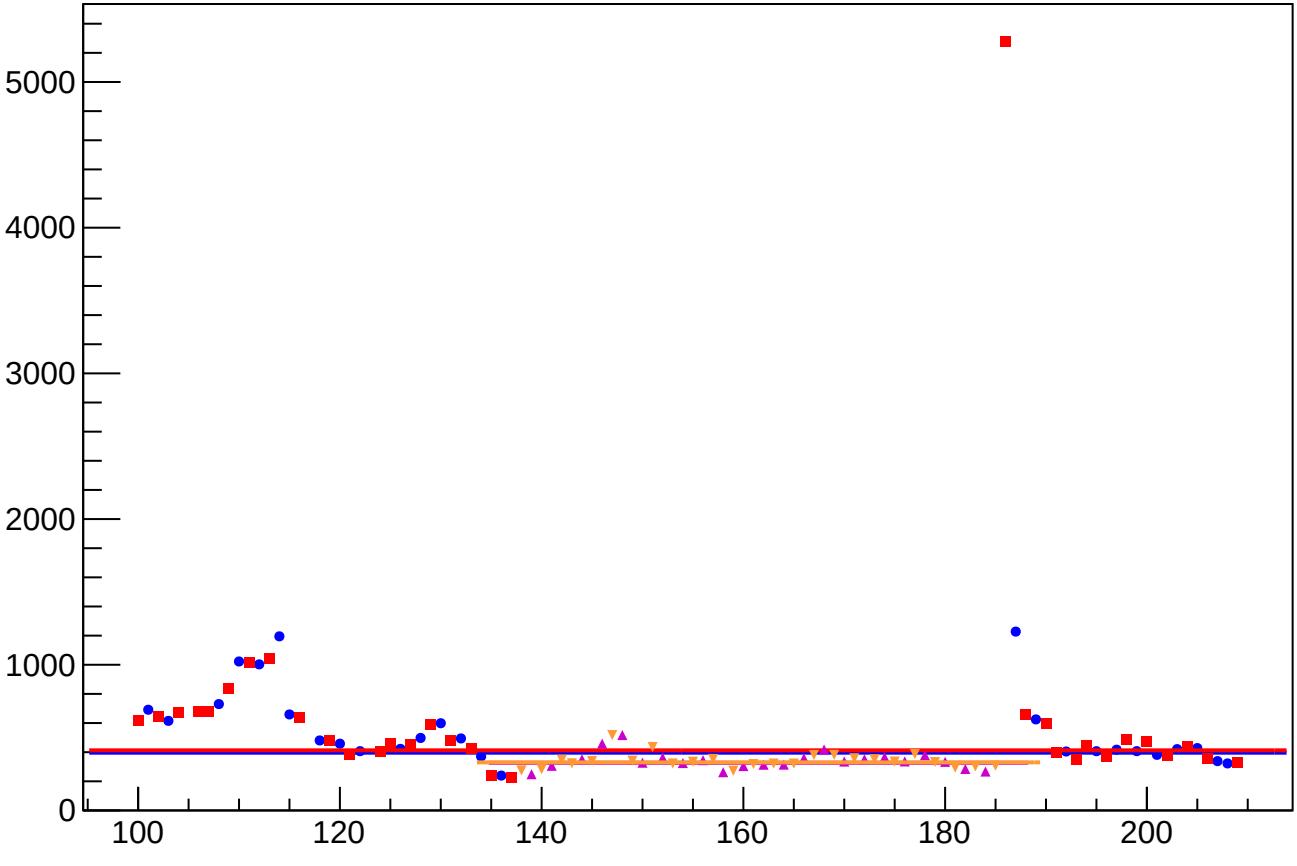
Right: -93.685+/-74.505 χ^2/NDF: 51.0/58

In: -67.327+/-62.383 χ^2/NDF:59.3/49

Out: -12.877+/-61.632 χ^2/NDF:51.2/56

All: -39.772+/-43.843 χ^2/NDF: 110.9/106

asym_sam1_reg_correction_rms vs Slug, Sign Corrected



Right In: 396.674+/-0.074 χ^2/NDF: 2826354.6/26

Left Out: 329.968+/-0.054 χ^2/NDF:659241.4/24

Right Out: 412.639+/-0.075 χ^2/NDF: 3715270.7/31

Left In: 326.963+/-0.055 χ^2/NDF:899326.3/22

Left: 328.498+/-0.038 χ^2/NDF: 1560101.8/47

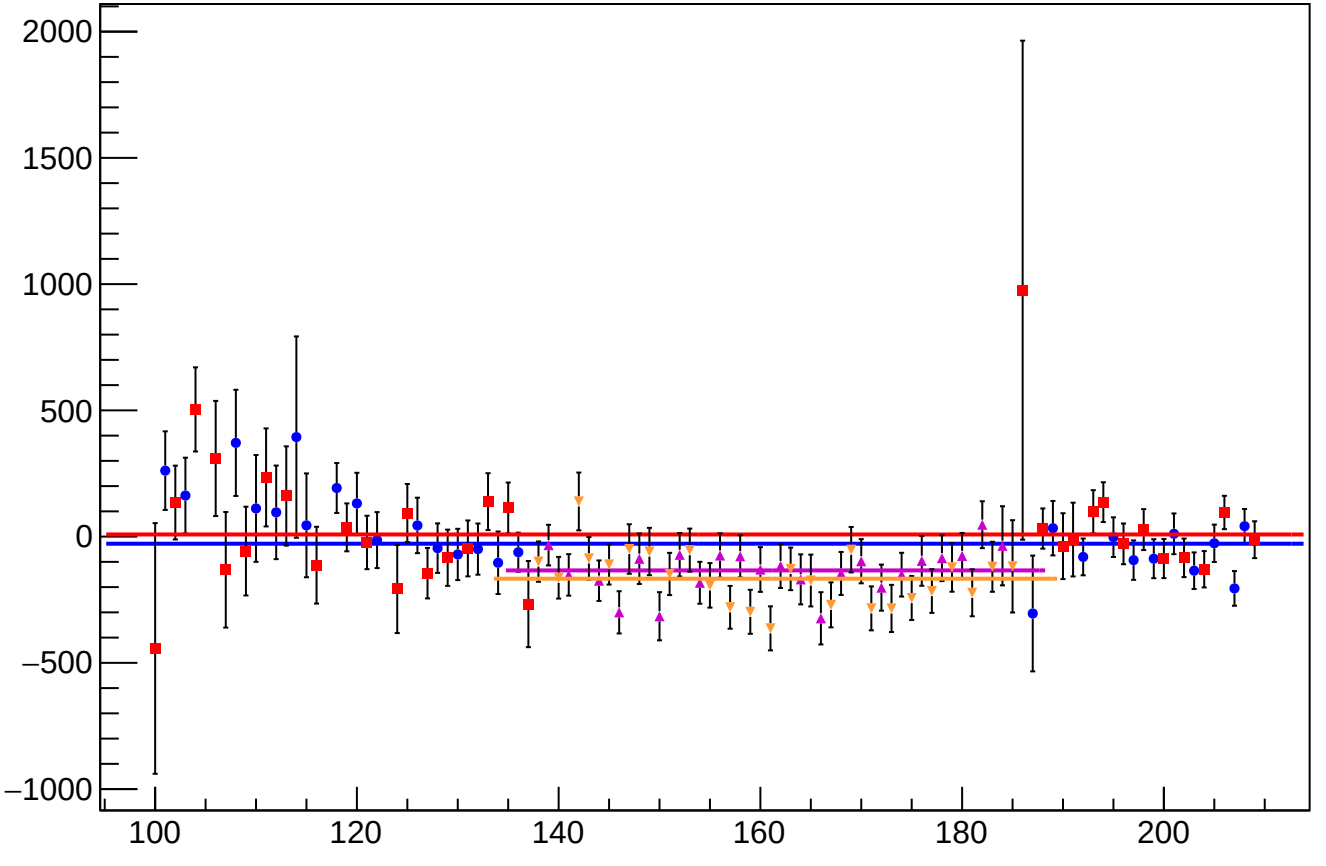
Right: 404.606+/-0.053 χ^2/NDF: 6564582.6/58

In: 351.554+/-0.044 χ^2/NDF:4295893.7/49

Out: 358.075+/-0.044 χ^2/NDF:5182006.5/56

All: 354.854+/-0.031 χ^2/NDF: 9488959.2/106

cor_asym_sam1_mean vs Slug, Sign Corrected



Right In: -28.161+/-18.907 χ^2/NDF: 32.6/26

Left Out: -166.675+/-18.079 χ^2/NDF:31.6/24

Right Out: 8.499+/-18.721 χ^2/NDF: 39.5/31

Left In: -133.850+/-18.756 χ^2/NDF:20.7/22

Left: -150.865+/-13.016 χ^2/NDF: 54.0/47

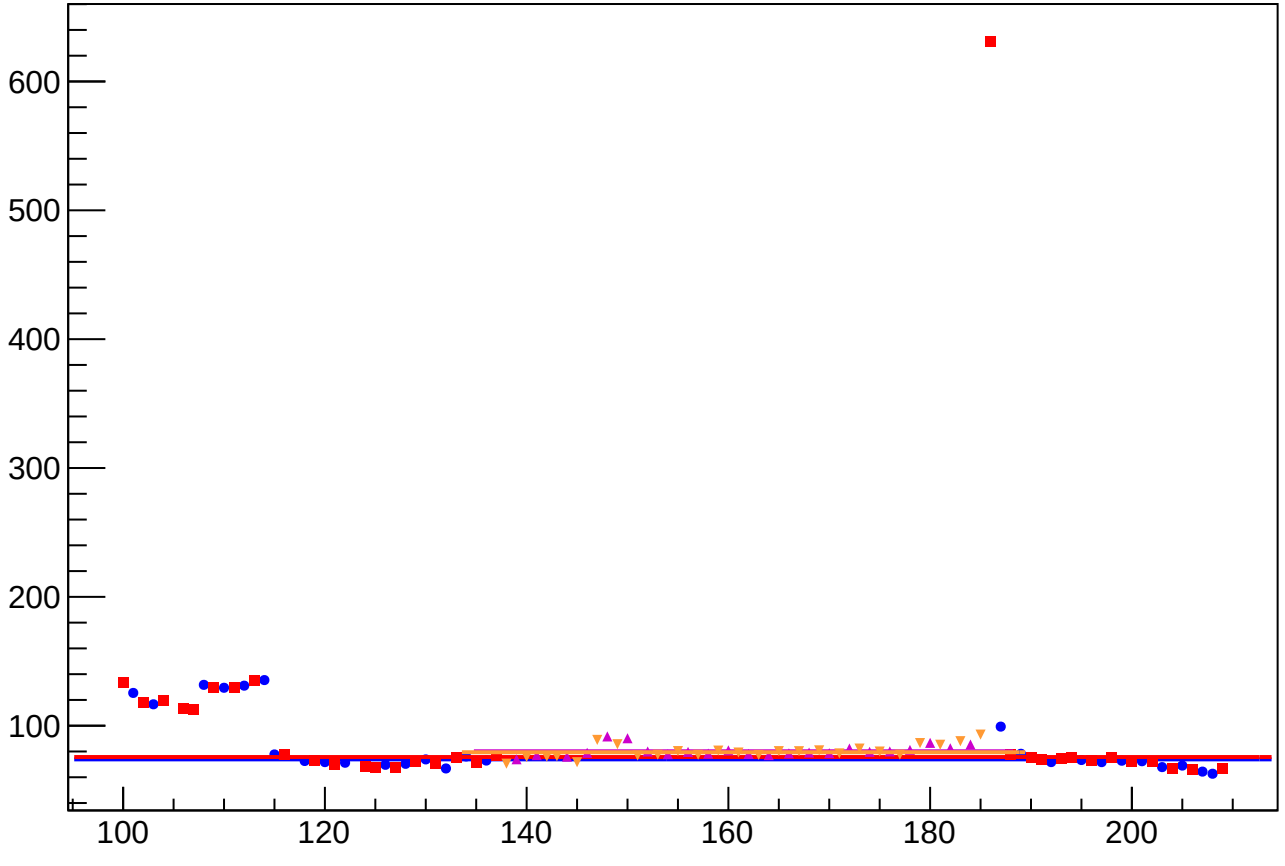
Right: -9.650+/-13.303 χ^2/NDF: 74.0/58

In: -81.429+/-13.315 χ^2/NDF:69.1/49

Out: -82.145+/-13.005 χ^2/NDF:116.5/56

All: -81.796+/-9.304 χ^2/NDF: 185.5/106

cor_asym_sam1_rms vs Slug, Sign Corrected



Right In: 73.882+/-0.013 χ^2/NDF: 1074859.7/26

Left Out: 79.410+/-0.013 χ^2/NDF:134796.1/24

Right Out: 75.683+/-0.013 χ^2/NDF: 1756055.6/31

Left In: 80.160+/-0.013 χ^2/NDF:91469.5/22

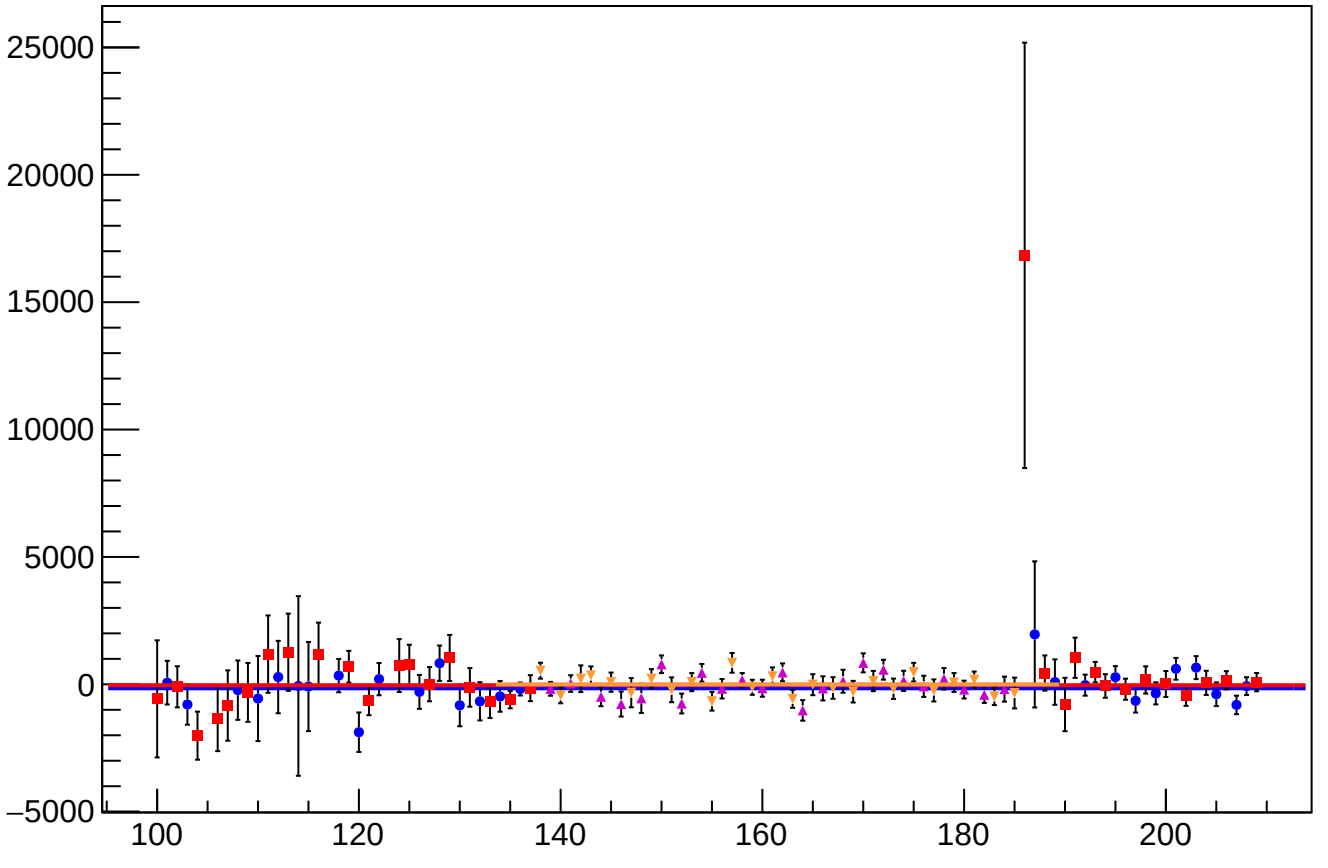
Left: 79.771+/-0.009 χ^2/NDF: 227922.4/47

Right: 74.792+/-0.009 χ^2/NDF: 2840078.2/58

In: 77.046+/-0.009 χ^2/NDF:1277461.9/49

Out: 77.612+/-0.009 χ^2/NDF:1931867.6/56

All: 77.336+/-0.007 χ^2/NDF: 3211175.6/106



Right In: -155.456+/-105.034 χ^2/NDF: 23.2/26

Left Out: -3.474+/-75.863 χ^2/NDF:24.0/24

Right Out: -34.891+/-105.724 χ^2/NDF: 27.8/31

Left In: -19.305+/-77.541 χ^2/NDF:35.0/22

Left: -11.216+/-54.227 χ^2/NDF: 59.1/47

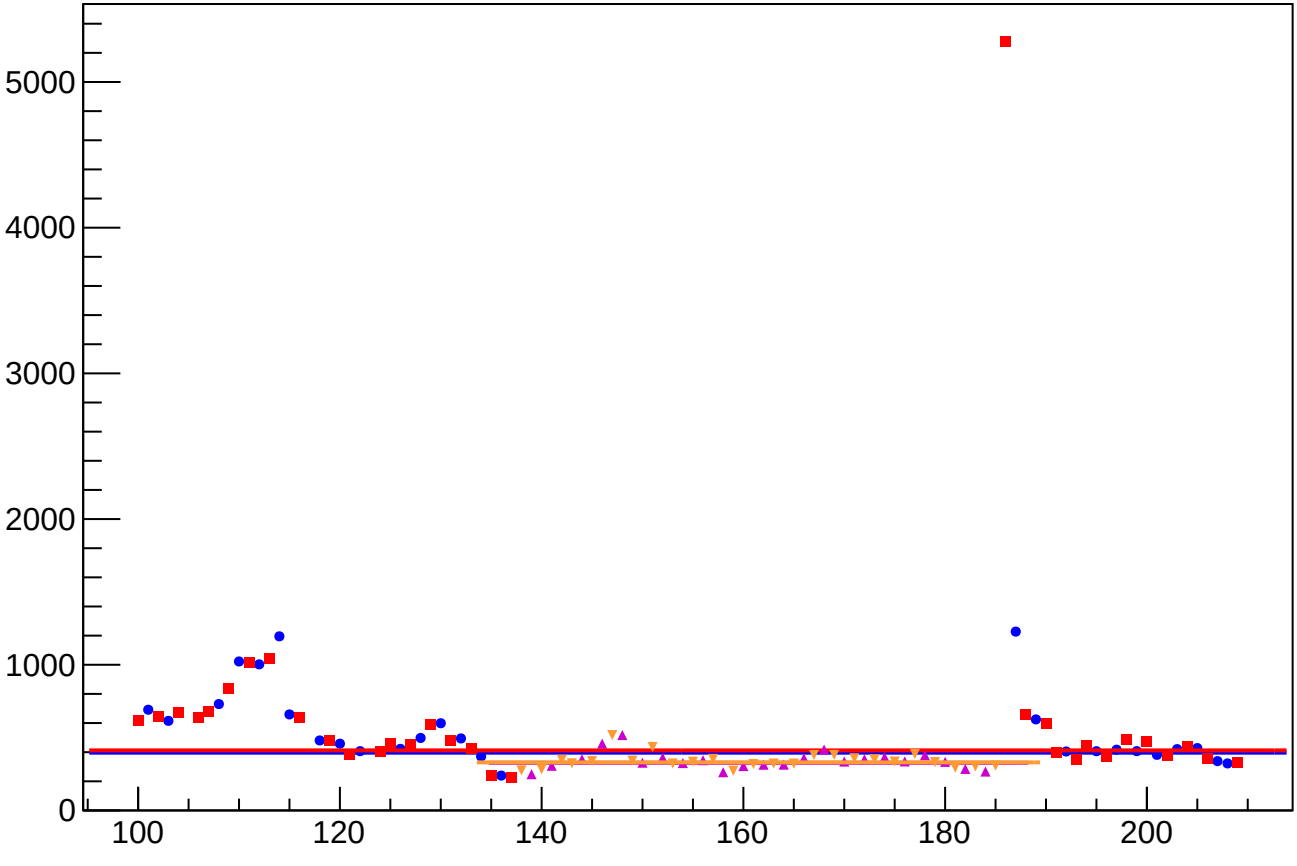
Right: -95.568+/-74.513 χ^2/NDF: 51.7/58

In: -67.332+/-62.383 χ^2/NDF:59.3/49

Out: -14.152+/-61.637 χ^2/NDF:51.9/56

All: -40.422+/-43.845 χ^2/NDF: 111.6/106

asym_sam1_cor_correction_rms vs Slug, Sign Corrected



Right In: 396.674+/-0.074 χ^2/NDF: 2826351.4/26

Left Out: 329.968+/-0.054 χ^2/NDF:659249.8/24

Right Out: 412.252+/-0.075 χ^2/NDF: 3685713.4/31

Left In: 326.963+/-0.055 χ^2/NDF:899329.3/22

Left: 328.498+/-0.038 χ^2/NDF: 1560113.2/47

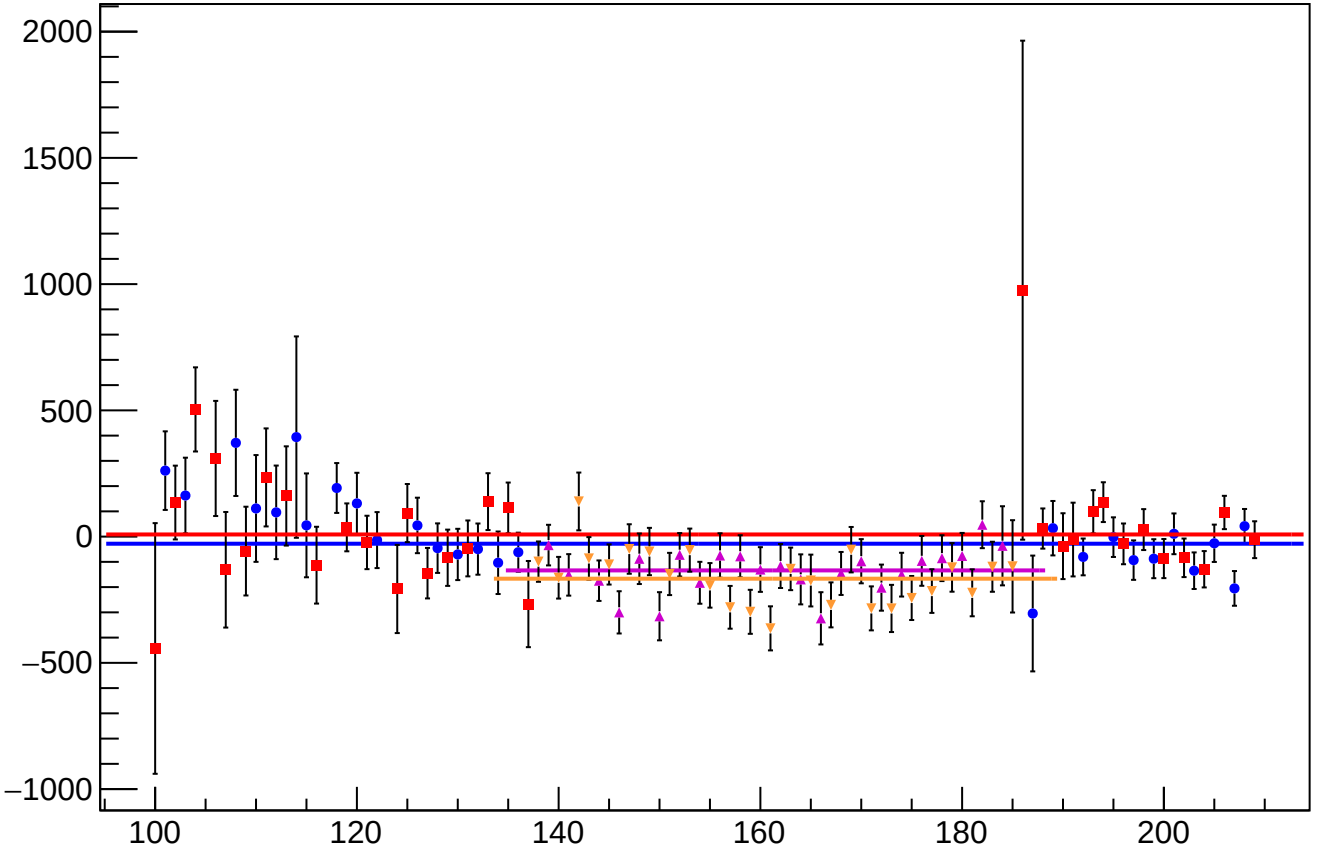
Right: 404.412+/-0.053 χ^2/NDF: 6533916.3/58

In: 351.554+/-0.044 χ^2/NDF:4295895.2/49

Out: 357.935+/-0.044 χ^2/NDF:5144675.9/56

All: 354.783+/-0.031 χ^2/NDF: 9451159.8/106

eigen_cor_asym_sam1_mean vs Slug, Sign Corrected



Right In: -28.161+/-18.907 χ^2/NDF: 32.6/26

Left Out: -166.675+/-18.079 χ^2/NDF:31.6/24

Right Out: 8.499+/-18.721 χ^2/NDF: 39.5/31

Left In: -133.850+/-18.756 χ^2/NDF:20.7/22

Left: -150.865+/-13.016 χ^2/NDF: 54.0/47

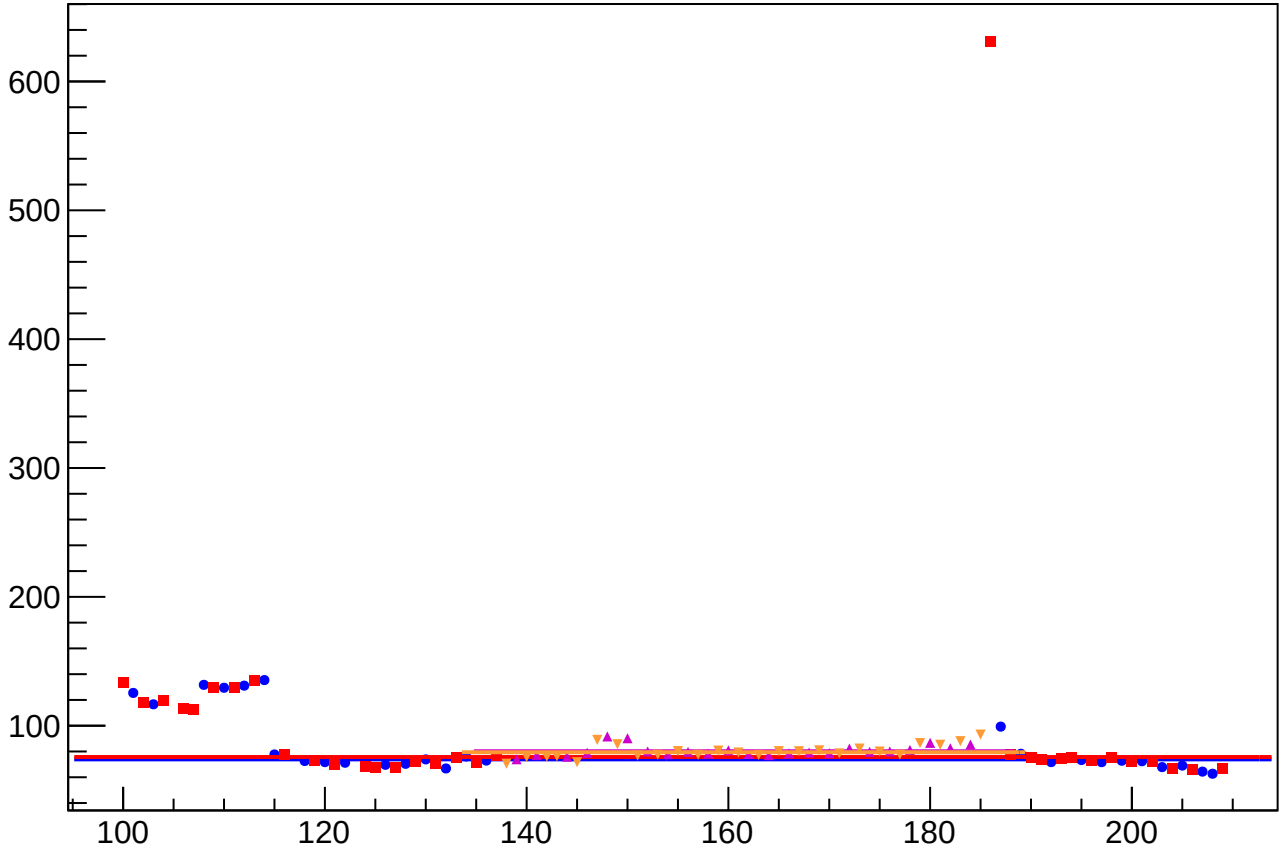
Right: -9.650+/-13.303 χ^2/NDF: 74.0/58

In: -81.429+/-13.315 χ^2/NDF:69.1/49

Out: -82.145+/-13.005 χ^2/NDF:116.5/56

All: -81.796+/-9.304 χ^2/NDF: 185.5/106

eigen_cor_asym_sam1_rms vs Slug, Sign Corrected



Right In: 73.882+/-0.013 χ^2/NDF: 1074859.7/26

Left Out: 79.410+/-0.013 χ^2/NDF:134796.1/24

Right Out: 75.683+/-0.013 χ^2/NDF: 1756055.6/31

Left In: 80.160+/-0.013 χ^2/NDF:91469.5/22

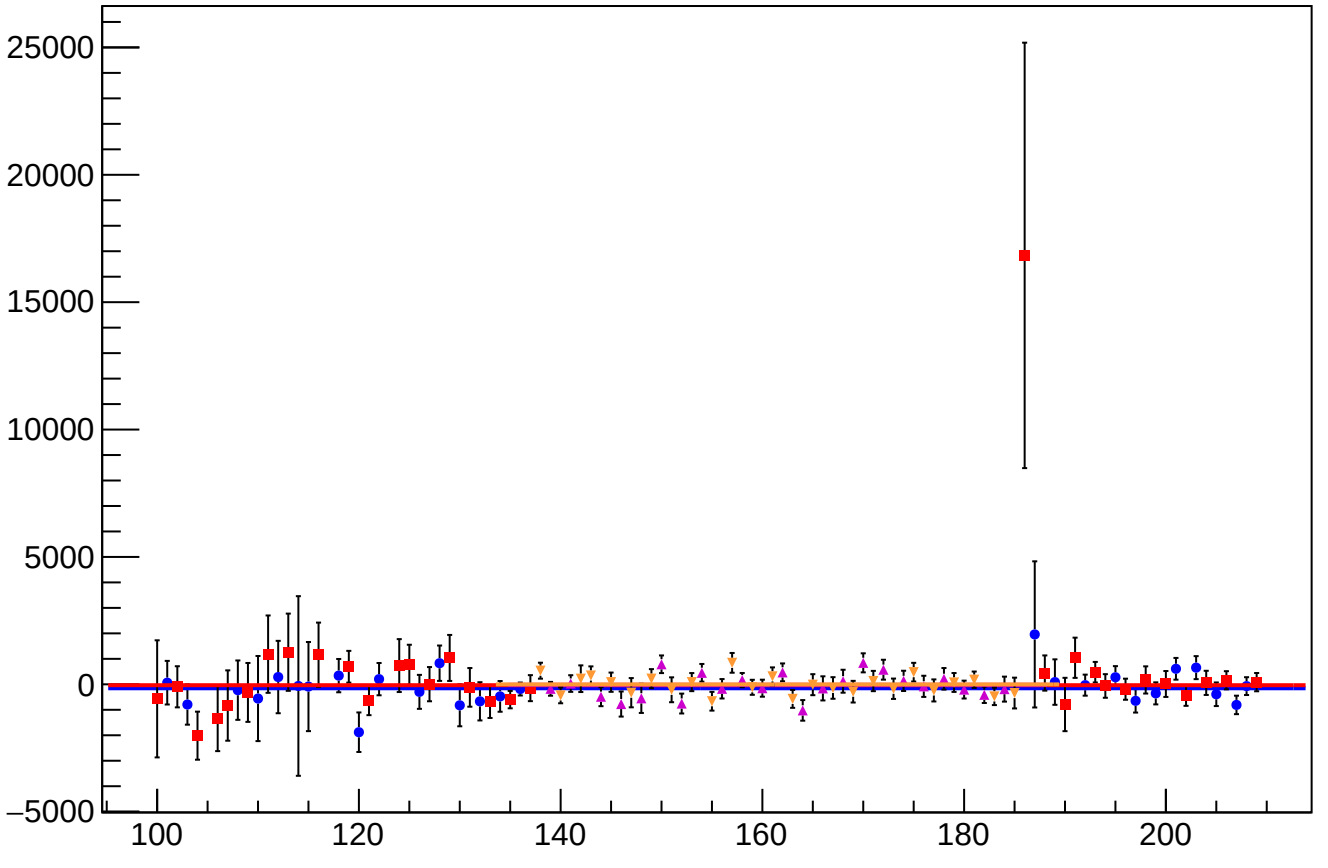
Left: 79.771+/-0.009 χ^2/NDF: 227922.4/47

Right: 74.792+/-0.009 χ^2/NDF: 2840078.2/58

In: 77.046+/-0.009 χ^2/NDF:1277461.9/49

Out: 77.612+/-0.009 χ^2/NDF:1931867.6/56

All: 77.336+/-0.007 χ^2/NDF: 3211175.6/106



Right In: -155.456+/-105.034 χ^2/NDF: 23.2/26

Left Out: -3.474+/-75.863 χ^2/NDF:24.0/24

Right Out: -34.891+/-105.724 χ^2/NDF: 27.8/31

Left In: -19.305+/-77.541 χ^2/NDF:35.0/22

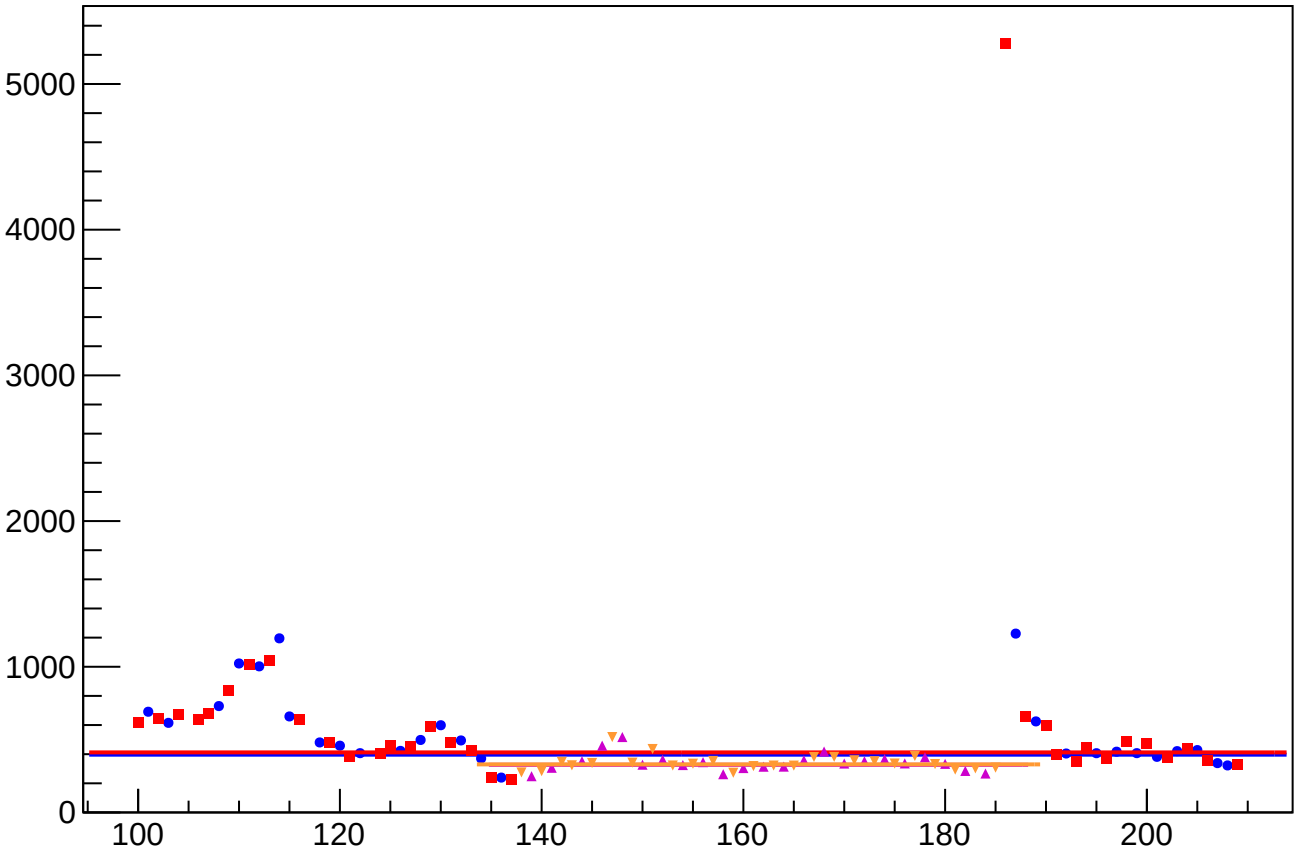
Left: -11.216+/-54.227 χ^2/NDF: 59.1/47

Right: -95.568+/-74.513 χ^2/NDF: 51.7/58

In: -67.332+/-62.383 χ^2/NDF:59.3/49

Out: -14.152+/-61.637 χ^2/NDF:51.9/56

All: -40.422+/-43.845 χ^2/NDF: 111.6/106



Right In: 396.674+/-0.074 χ^2/NDF: 2826351.4/26

Left Out: 329.968+/-0.054 χ^2/NDF:659249.8/24

Right Out: 412.252+/-0.075 χ^2/NDF: 3685713.4/31

Left In: 326.963+/-0.055 χ^2/NDF:899329.3/22

Left: 328.498+/-0.038 χ^2/NDF: 1560113.2/47

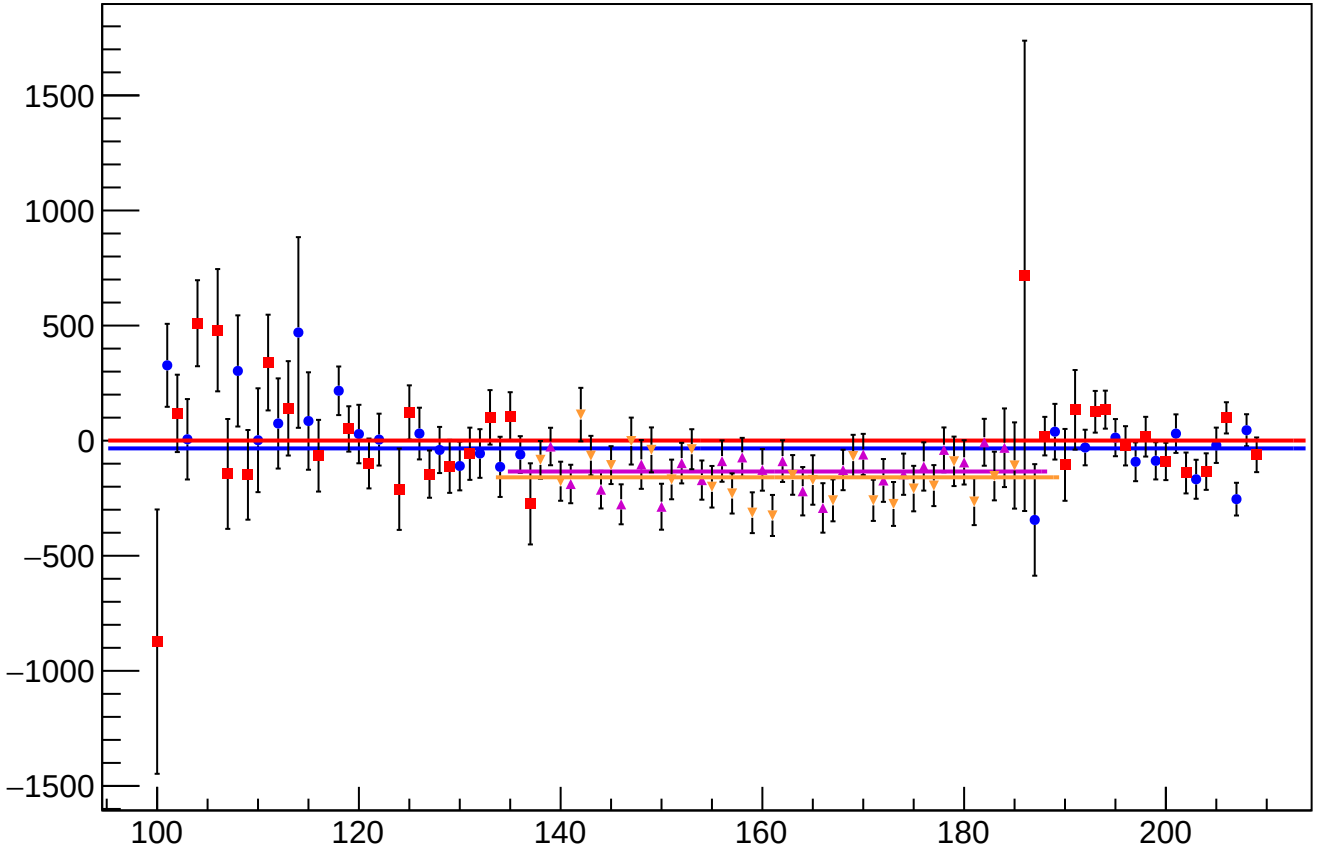
Right: 404.412+/-0.053 χ^2/NDF: 6533916.3/58

In: 351.554+/-0.044 χ^2/NDF:4295895.2/49

Out: 357.935+/-0.044 χ^2/NDF:5144675.9/56

All: 354.783+/-0.031 χ^2/NDF: 9451159.8/106

dit_asym_sam1_mean vs Slug, Sign Corrected



Right In: -33.665+/-19.941 χ^2/NDF: 32.8/26

Left Out: -159.223+/-18.749 χ^2/NDF:28.2/24

Right Out: 0.518+/-19.842 χ^2/NDF: 44.5/31

Left In: -134.010+/-19.441 χ^2/NDF:16.4/22

Left: -147.073+/-13.496 χ^2/NDF: 45.5/47

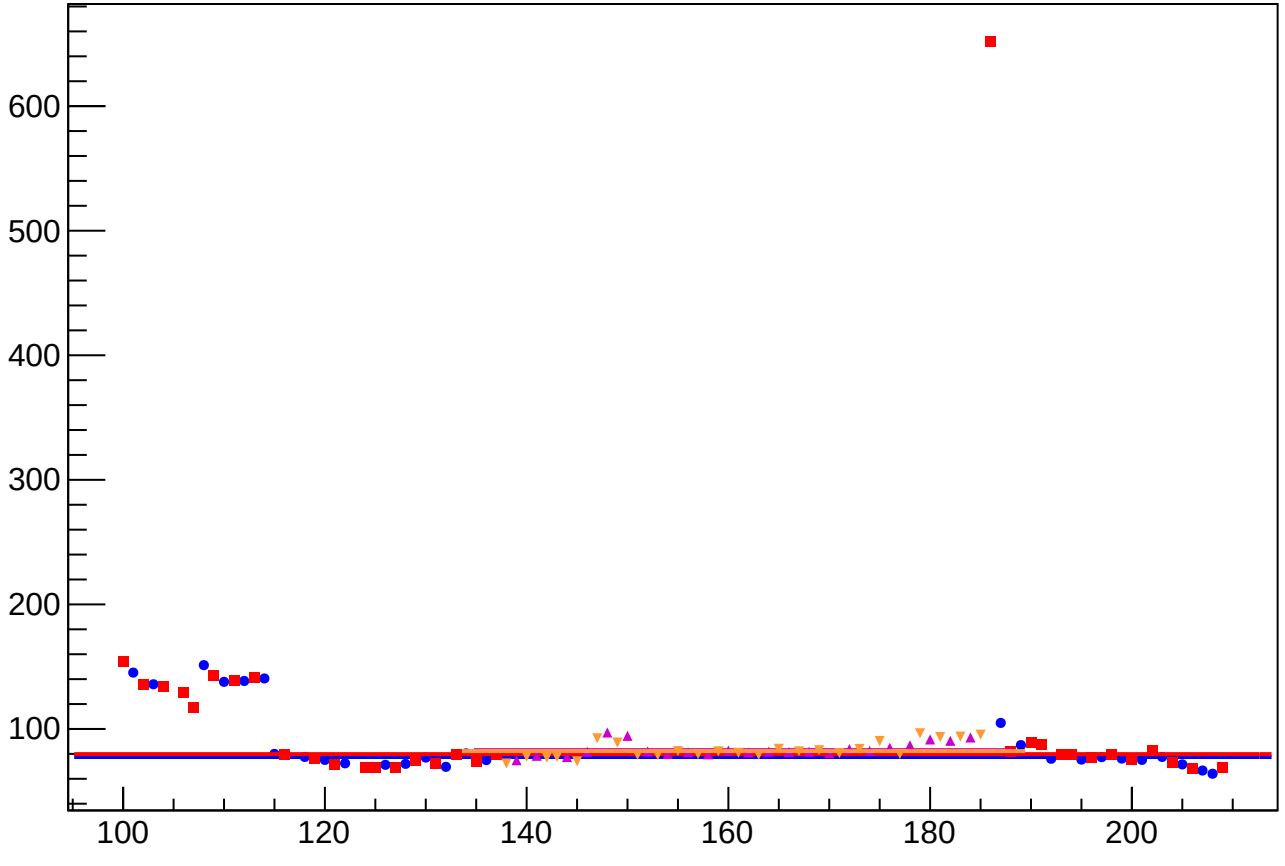
Right: -16.488+/-14.065 χ^2/NDF: 78.8/58

In: -85.111+/-13.920 χ^2/NDF:62.2/49

Out: -83.870+/-13.628 χ^2/NDF:106.9/56

All: -84.477+/-9.738 χ^2/NDF: 169.1/106

dit_asym_sam1_rms vs Slug, Sign Corrected



Right In: 77.495+/-0.014 χ^2/NDF: 1283020.0/26

Left Out: 82.247+/-0.013 χ^2/NDF:216548.3/24

Right Out: 79.808+/-0.014 χ^2/NDF: 1935978.1/31

Left In: 82.993+/-0.014 χ^2/NDF:145608.6/22

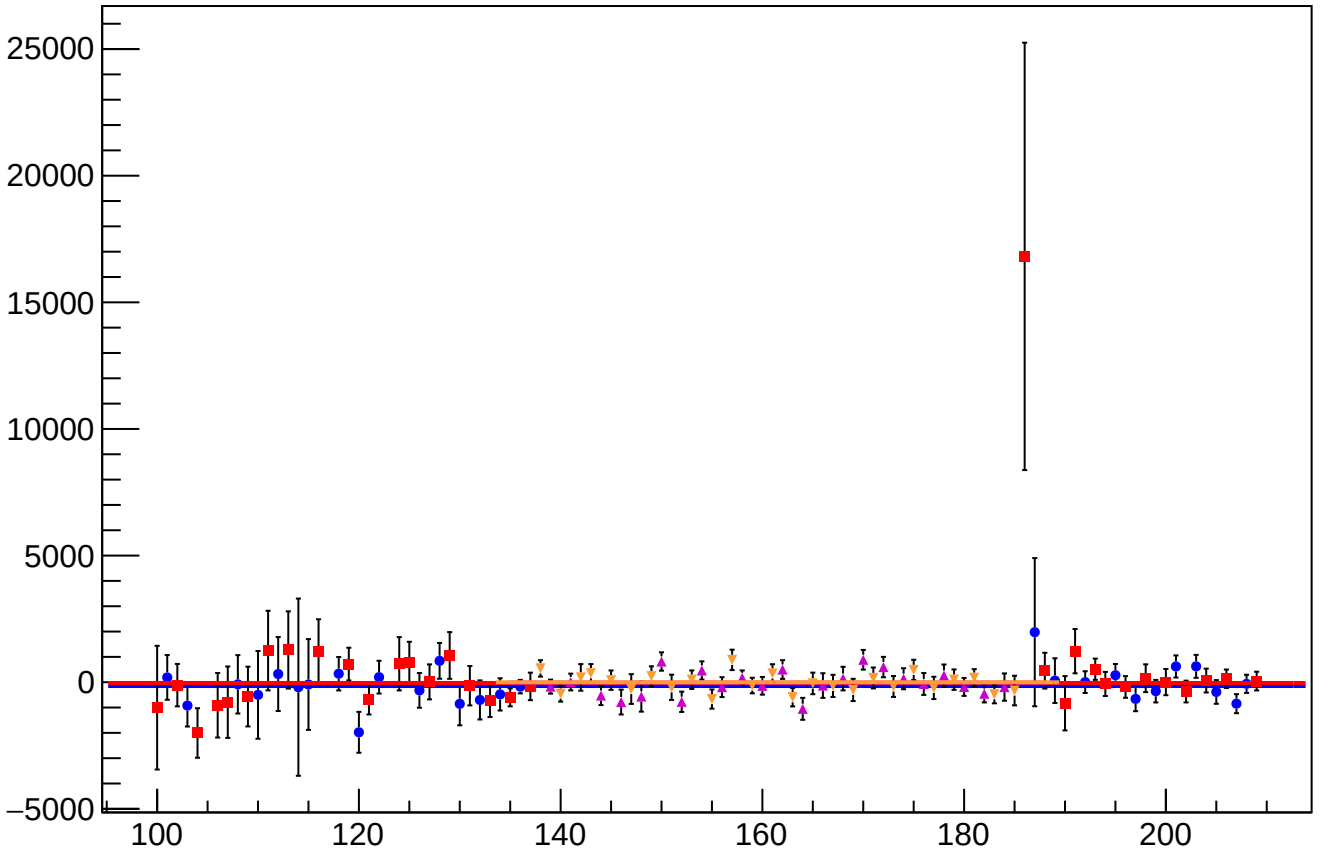
Left: 82.607+/-0.010 χ^2/NDF: 363681.9/47

Right: 78.657+/-0.010 χ^2/NDF: 3232515.4/58

In: 80.314+/-0.010 χ^2/NDF:1506569.8/49

Out: 81.097+/-0.010 χ^2/NDF:2168495.0/56

All: 80.714+/-0.007 χ^2/NDF: 3678293.0/106



Right In: -150.212+/-108.285 χ^2/NDF: 23.4/26

Left Out: -3.095+/-78.582 χ^2/NDF:23.5/24

Right Out: -30.731+/-109.266 χ^2/NDF: 26.7/31

Left In: -16.519+/-80.410 χ^2/NDF:34.9/22

Left: -9.652+/-56.201 χ^2/NDF: 58.4/47

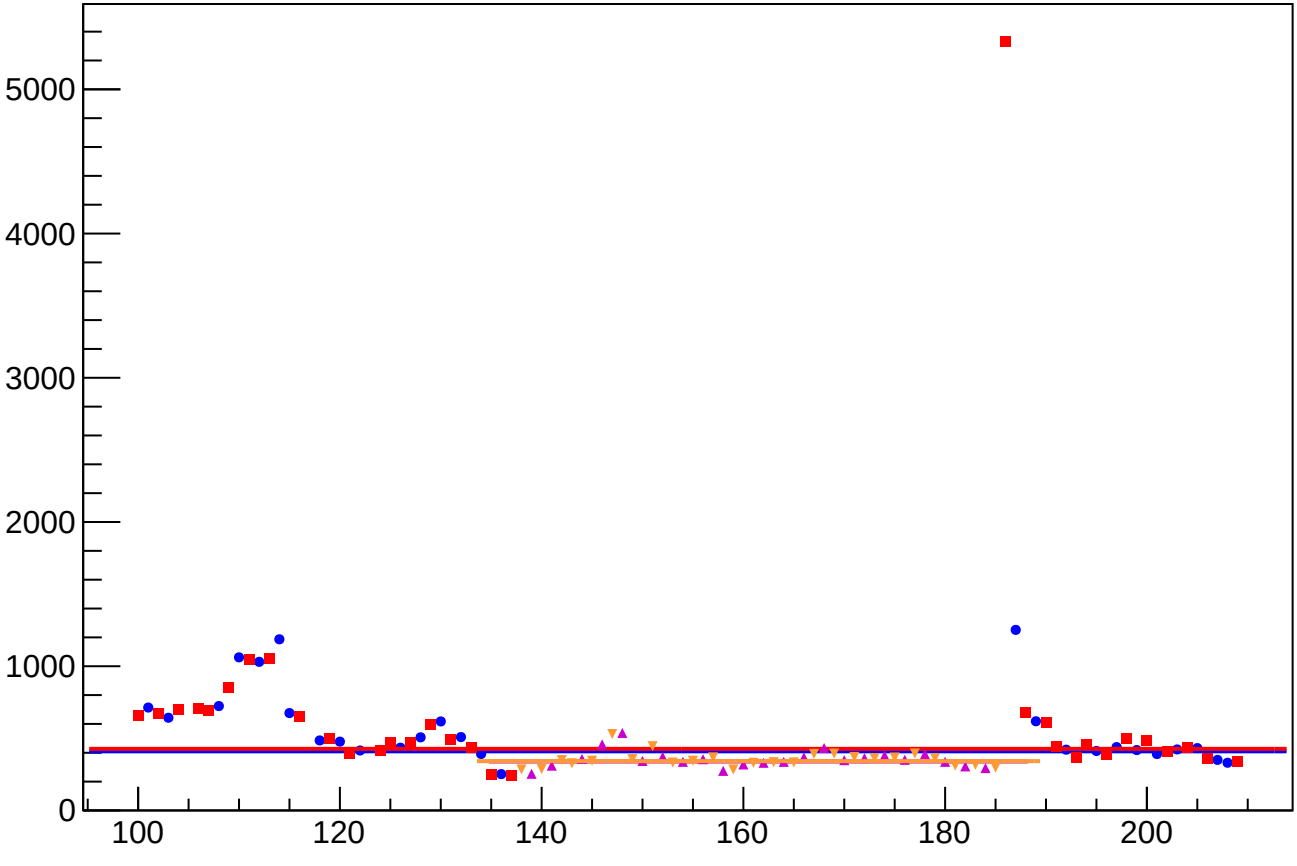
Right: -91.010+/-76.914 χ^2/NDF: 50.7/58

In: -64.037+/-64.557 χ^2/NDF:59.3/49

Out: -12.516+/-63.797 χ^2/NDF:50.3/56

All: -37.971+/-45.377 χ^2/NDF: 109.9/106

asym_sam1_dit_correction_rms vs Slug, Sign Corrected



Right In: 409.953+/-0.077 χ^2/NDF: 2705951.7/26

Left Out: 341.918+/-0.056 χ^2/NDF:653930.4/24

Right Out: 427.261+/-0.077 χ^2/NDF: 3619086.7/31

Left In: 339.430+/-0.057 χ^2/NDF:846706.0/22

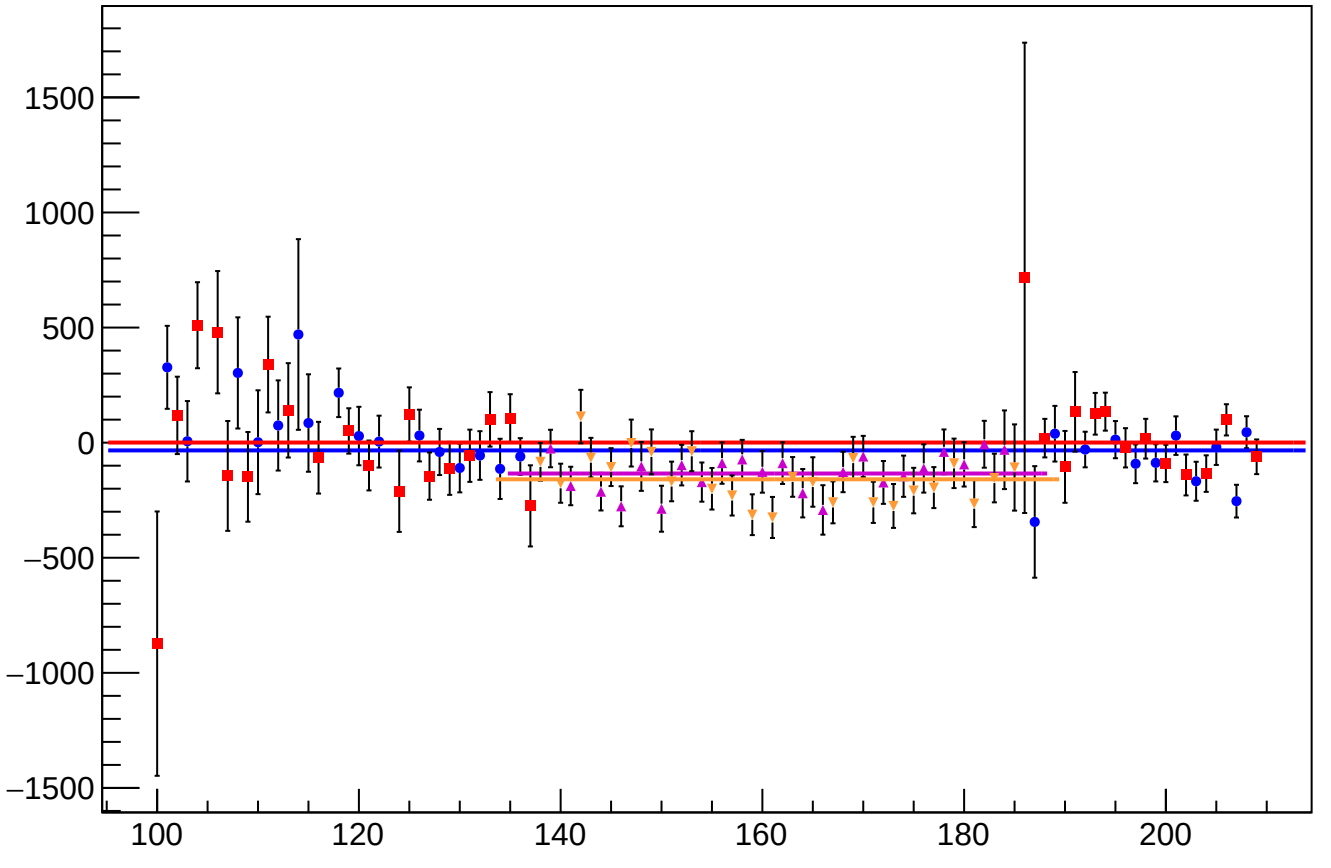
Left: 340.702+/-0.040 χ^2/NDF: 1501615.8/47

Right: 418.529+/-0.054 χ^2/NDF: 6350357.9/58

In: 364.495+/-0.046 χ^2/NDF:4099455.1/49

Out: 371.011+/-0.045 χ^2/NDF:5077206.4/56

All: 367.792+/-0.032 χ^2/NDF: 9186969.9/106



Right In: -33.664+/-19.941 χ^2/NDF: 32.8/26

Left Out: -159.223+/-18.749 χ^2/NDF:28.2/24

Right Out: 0.517+/-19.841 χ^2/NDF: 44.5/31

Left In: -134.010+/-19.441 χ^2/NDF:16.4/22

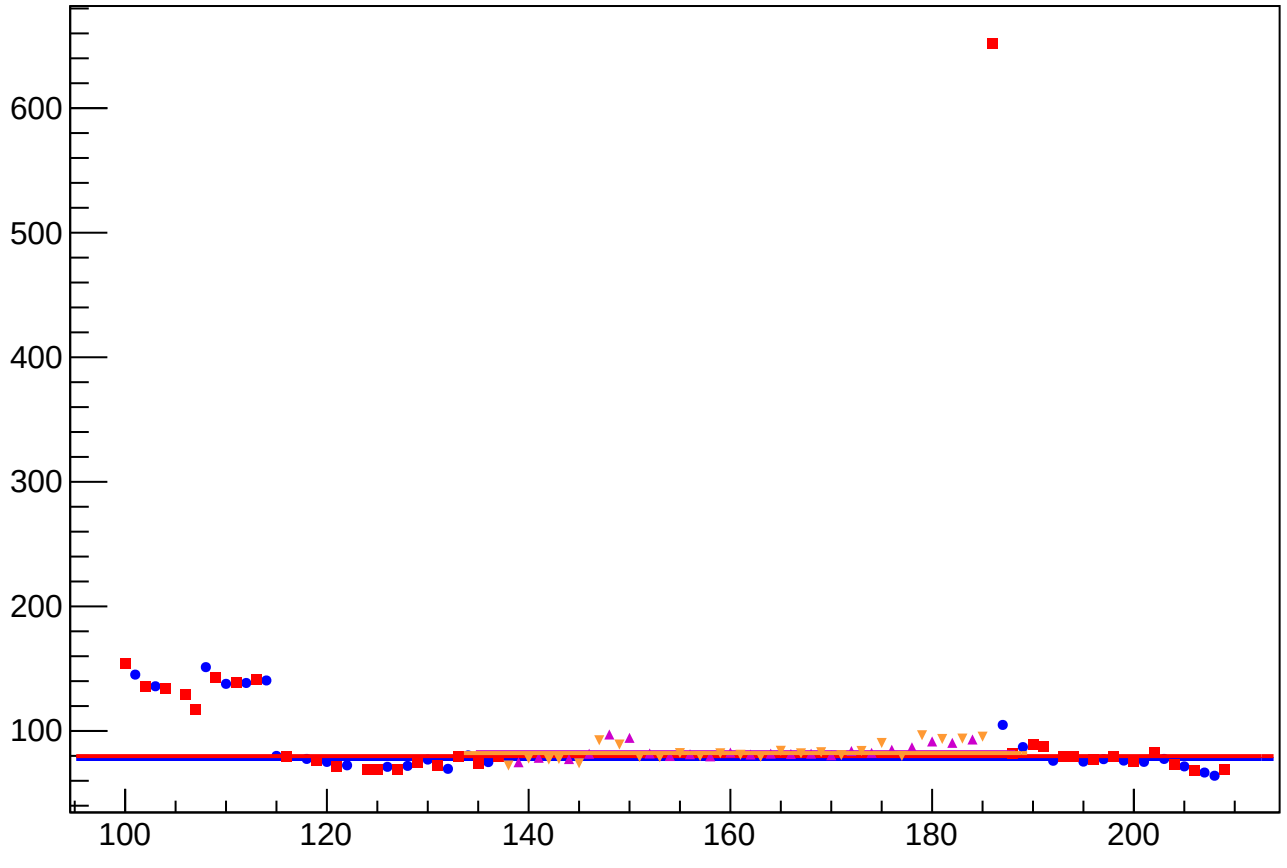
Left: -147.073+/-13.496 χ^2/NDF: 45.5/47

Right: -16.488+/-14.065 χ^2/NDF: 78.8/58

In: -85.110+/-13.920 χ^2/NDF:62.2/49

Out: -83.870+/-13.628 χ^2/NDF:106.9/56

All: -84.477+/-9.738 χ^2/NDF: 169.1/106



Right In: 77.495+/-0.014 χ^2/NDF: 1283021.0/26

Left Out: 82.247+/-0.013 χ^2/NDF:216548.5/24

Right Out: 79.808+/-0.014 χ^2/NDF: 1935977.4/31

Left In: 82.993+/-0.014 χ^2/NDF:145607.1/22

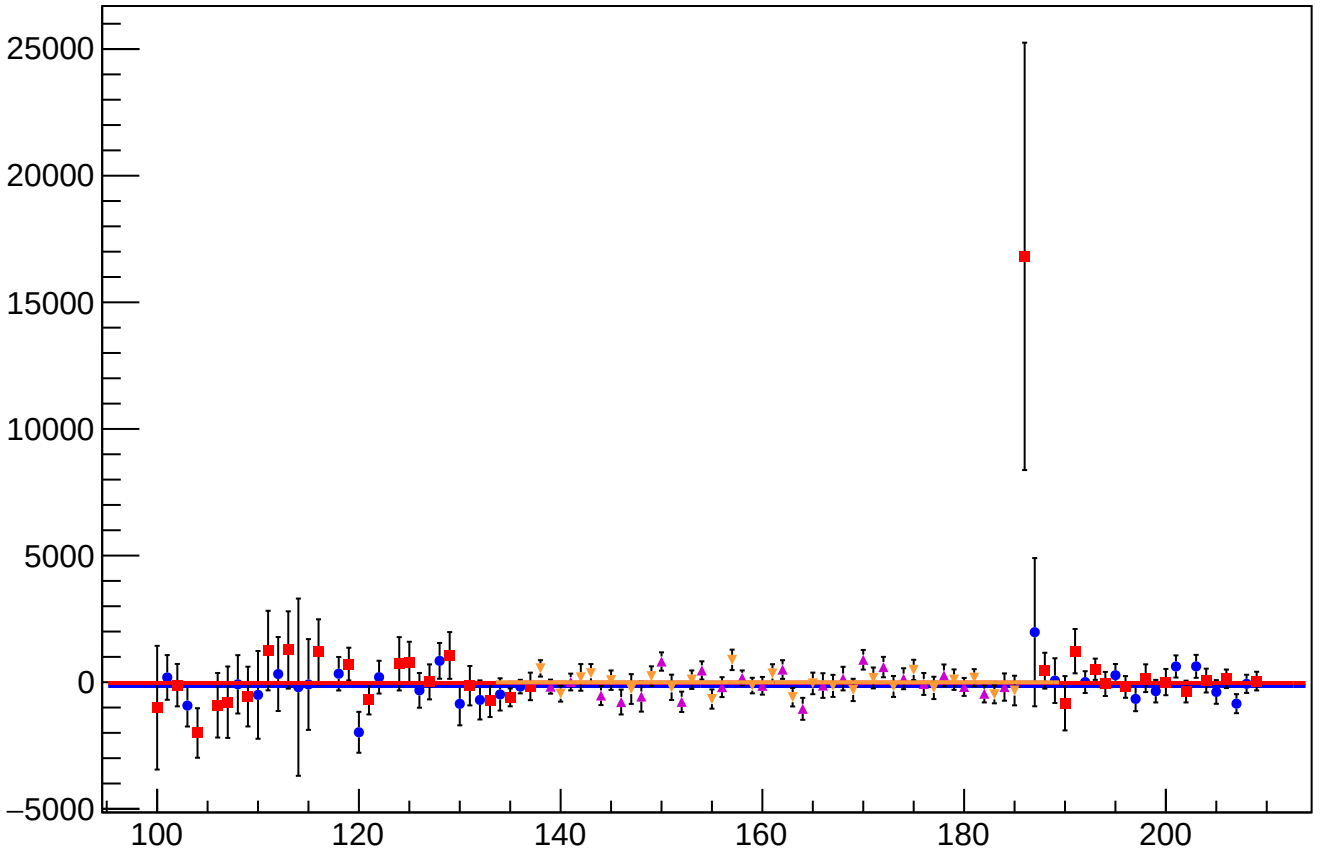
Left: 82.607+/-0.010 χ^2/NDF: 363680.5/47

Right: 78.657+/-0.010 χ^2/NDF: 3232515.6/58

In: 80.314+/-0.010 χ^2/NDF:1506572.2/49

Out: 81.096+/-0.010 χ^2/NDF:2168496.1/56

All: 80.713+/-0.007 χ^2/NDF: 3678296.5/106



Right In: -150.210+/-108.285 χ^2/NDF: 23.4/26

Left Out: -3.094+/-78.582 χ^2/NDF:23.5/24

Right Out: -30.731+/-109.265 χ^2/NDF: 26.7/31

Left In: -16.519+/-80.410 χ^2/NDF:34.9/22

Left: -9.652+/-56.201 χ^2/NDF: 58.4/47

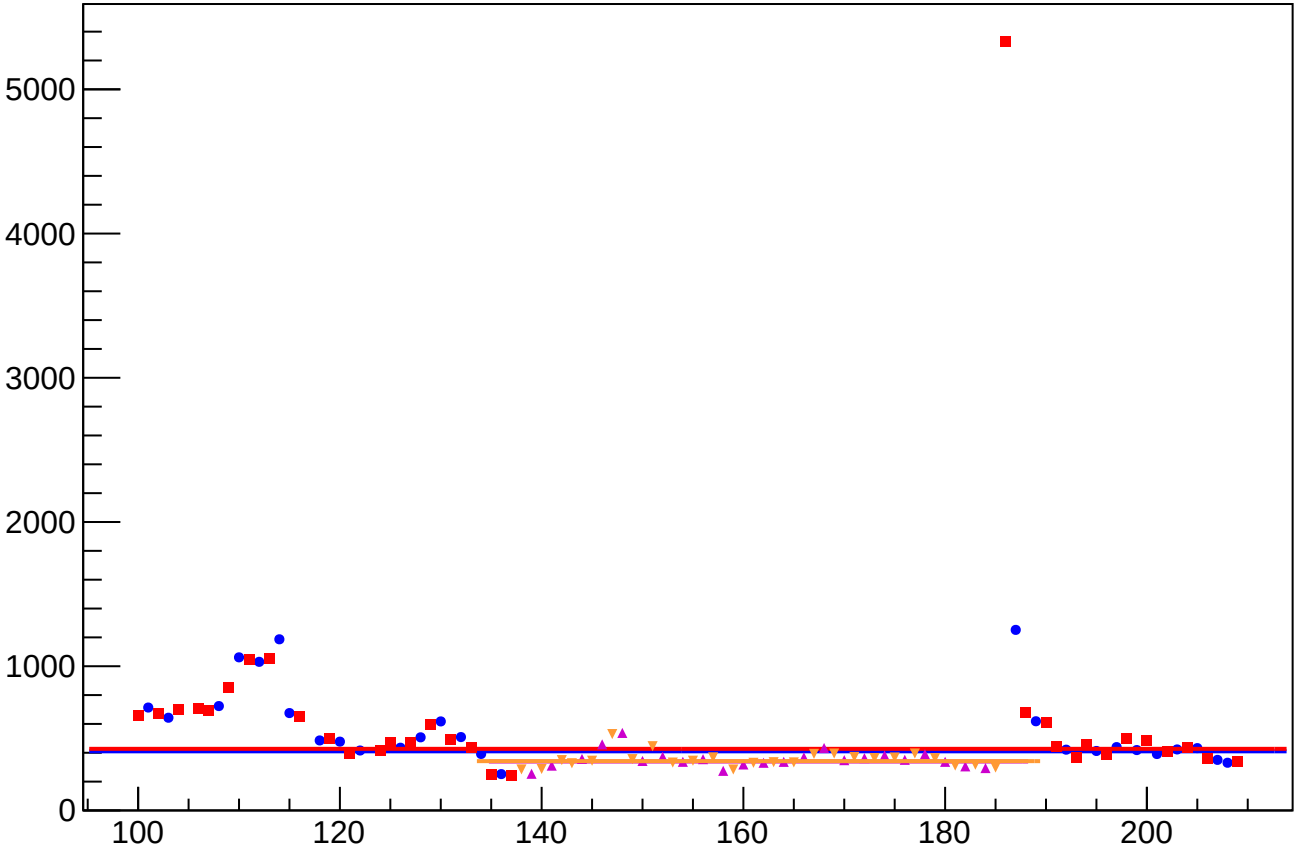
Right: -91.009+/-76.913 χ^2/NDF: 50.7/58

In: -64.036+/-64.557 χ^2/NDF:59.3/49

Out: -12.516+/-63.796 χ^2/NDF:50.3/56

All: -37.971+/-45.377 χ^2/NDF: 109.9/106

asym_sam1_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 409.952+/-0.077 χ^2/NDF: 2705957.0/26

Left Out: 341.918+/-0.056 χ^2/NDF:653932.3/24

Right Out: 427.260+/-0.077 χ^2/NDF: 3619094.0/31

Left In: 339.430+/-0.057 χ^2/NDF:846709.1/22

Left: 340.702+/-0.040 χ^2/NDF: 1501620.7/47

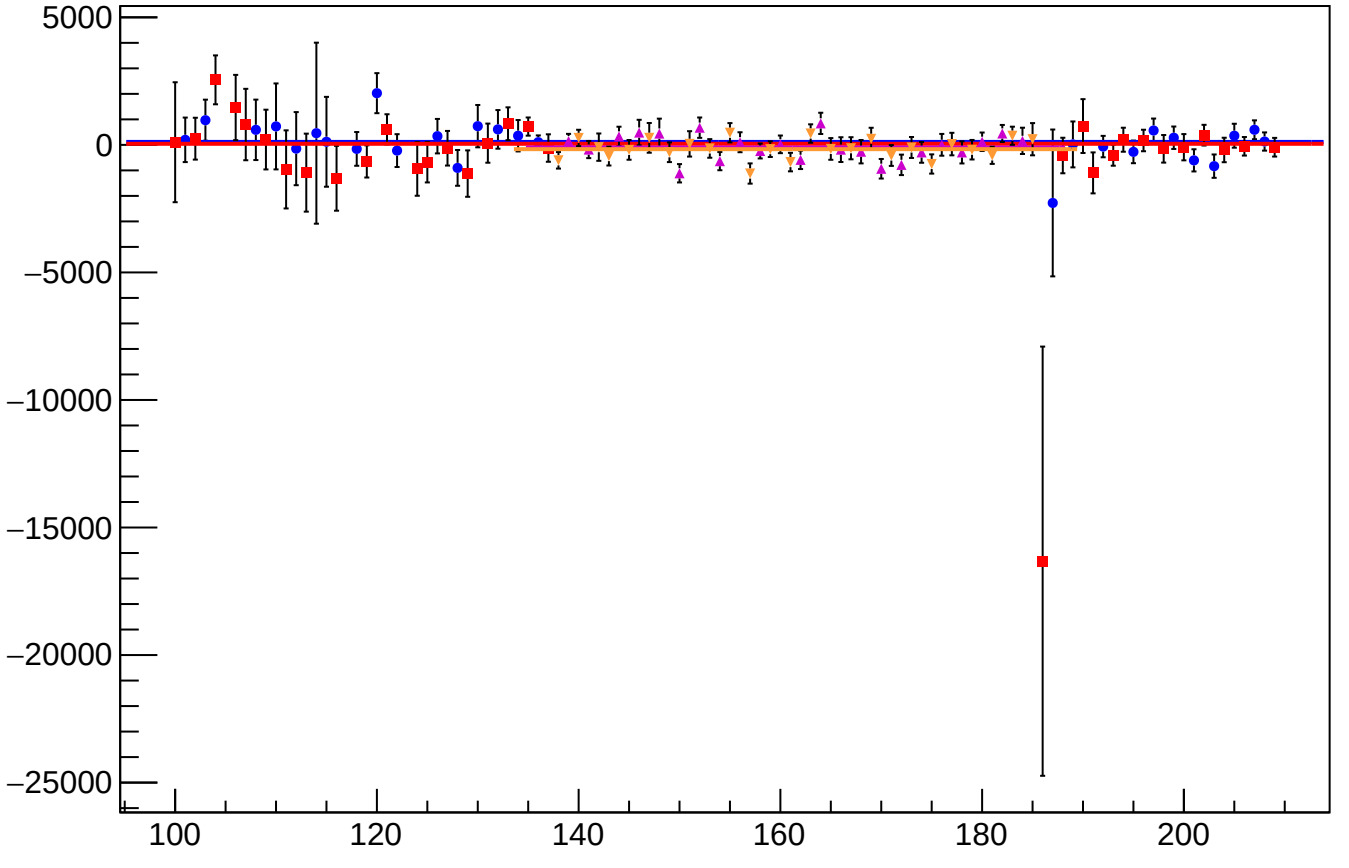
Right: 418.528+/-0.054 χ^2/NDF: 6350370.2/58

In: 364.495+/-0.046 χ^2/NDF:4099453.1/49

Out: 371.011+/-0.045 χ^2/NDF:5077200.3/56

All: 367.792+/-0.032 χ^2/NDF: 9186961.8/106

asym_sam1_mean vs Slug, Sign Corrected



Right In: 116.280+/-107.243 χ^2/NDF: 22.9/26

Left Out: -167.380+/-78.179 χ^2/NDF:25.6/24

Right Out: 42.462+/-107.847 χ^2/NDF: 30.7/31

Left In: -104.016+/-79.995 χ^2/NDF:37.5/22

Left: -136.425+/-55.912 χ^2/NDF: 63.4/47

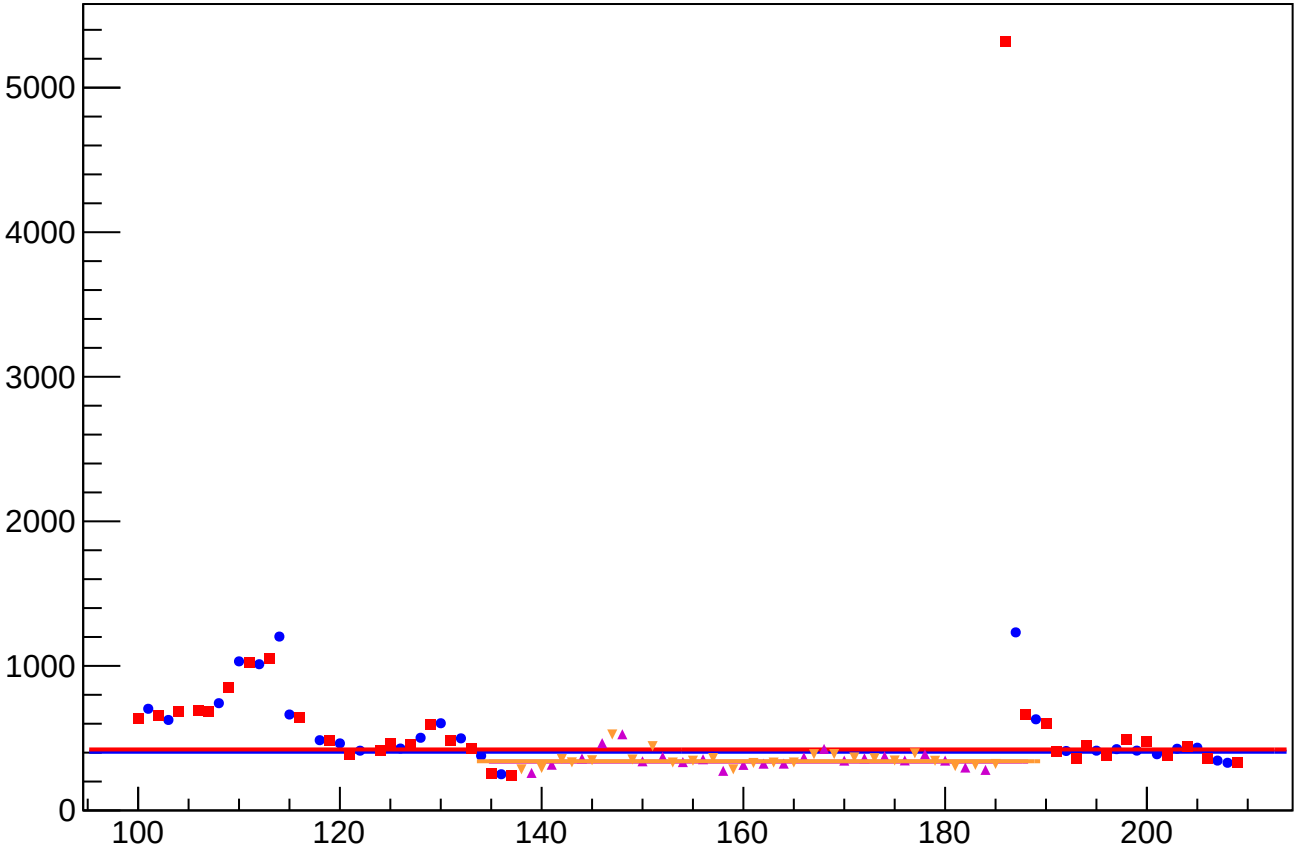
Right: 79.578+/-76.045 χ^2/NDF: 53.8/58

In: -25.262+/-64.122 χ^2/NDF:63.1/49

Out: -95.095+/-63.297 χ^2/NDF:58.7/56

All: -60.630+/-45.047 χ^2/NDF: 122.4/106

asym_sam1_rms vs Slug, Sign Corrected



Right In: 406.100+/-0.076 χ^2/NDF: 2684590.2/26

Left Out: 340.391+/-0.055 χ^2/NDF:604155.3/24

Right Out: 422.001+/-0.076 χ^2/NDF: 3565173.7/31

Left In: 337.759+/-0.057 χ^2/NDF:820674.4/22

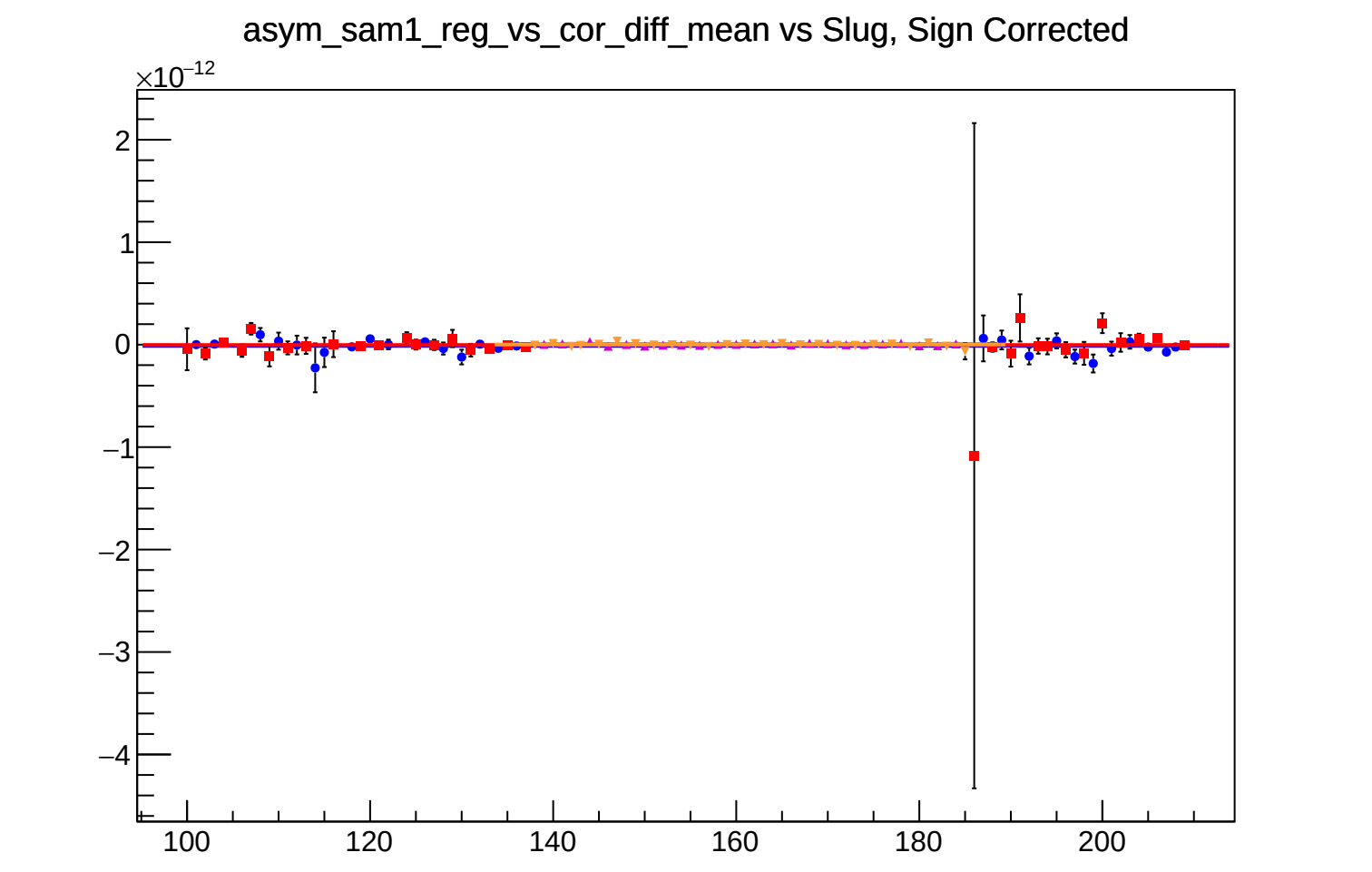
Left: 339.105+/-0.040 χ^2/NDF: 1425937.5/47

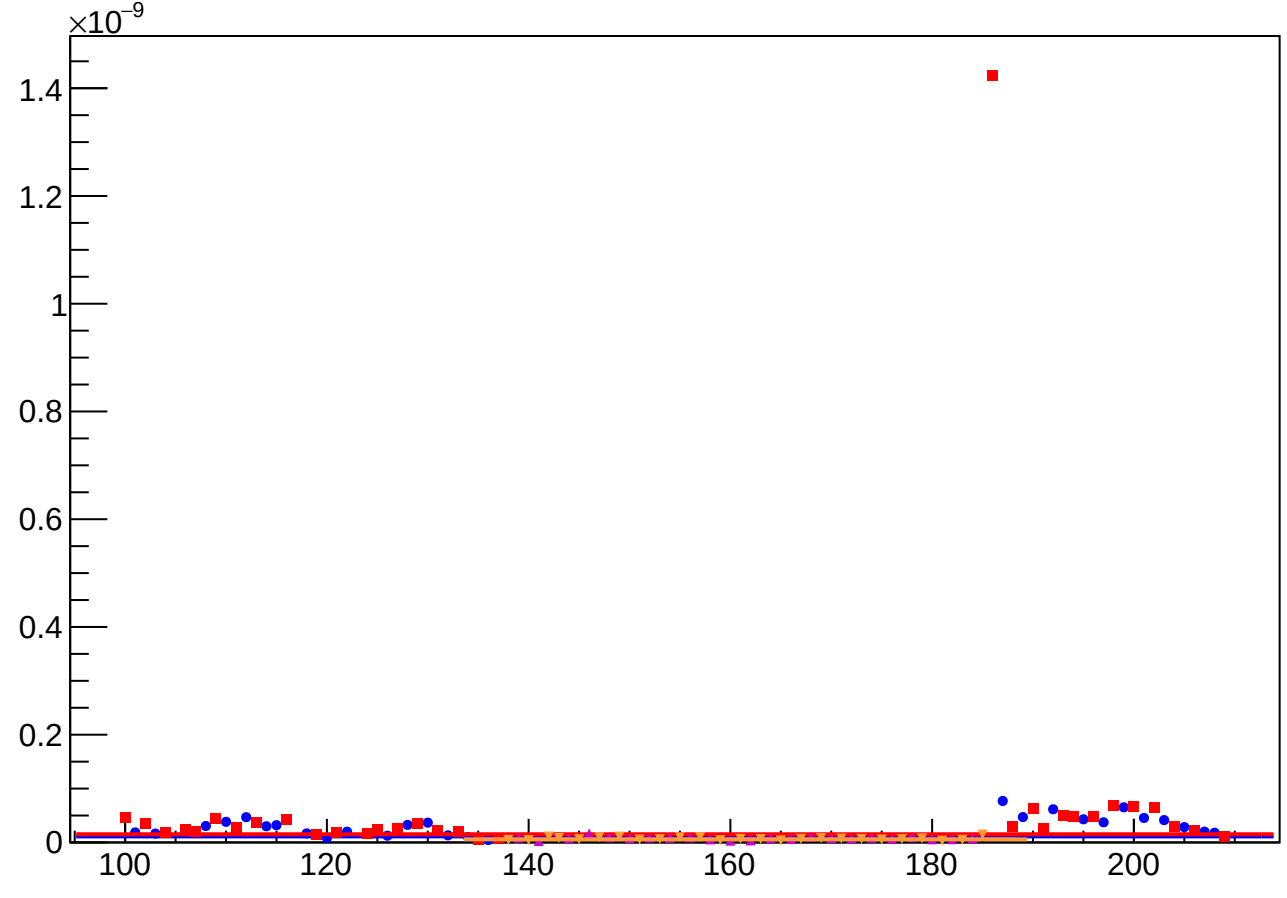
Right: 414.006+/-0.054 χ^2/NDF: 6271624.1/58

In: 362.190+/-0.045 χ^2/NDF:4027100.8/49

Out: 368.504+/-0.045 χ^2/NDF:4920070.7/56

All: 365.388+/-0.032 χ^2/NDF: 8956991.1/106


asym_sam1_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
2
1
0
−1
−2
−3
−4
100
120
140
160
180
200
Right In: -0.000+/-0.000 χ²/NDF: 28.7/26
Left Out: 0.000+/-0.000 χ²/NDF:16.2/24
Right Out: -0.000+/-0.000 χ²/NDF: 31.0/31
Left In: 0.000+/-0.000 χ²/NDF:11.9/22
Left: 0.000+/-0.000 χ²/NDF: 28.7/47
Right: -0.000+/-0.000 χ²/NDF: 60.8/58
In: 0.000+/-0.000 χ²/NDF:47.2/49
Out: 0.000+/-0.000 χ²/NDF:47.6/56
All: 0.000+/-0.000 χ²/NDF: 94.9/106



Right In: 0.000+/-0.000 χ^2/NDF: 7347887.5/26

Left Out: 0.000+/-0.000 χ^2/NDF:1155947.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 7129177.8/31

Left In: 0.000+/-0.000 χ^2/NDF:1970663.5/22

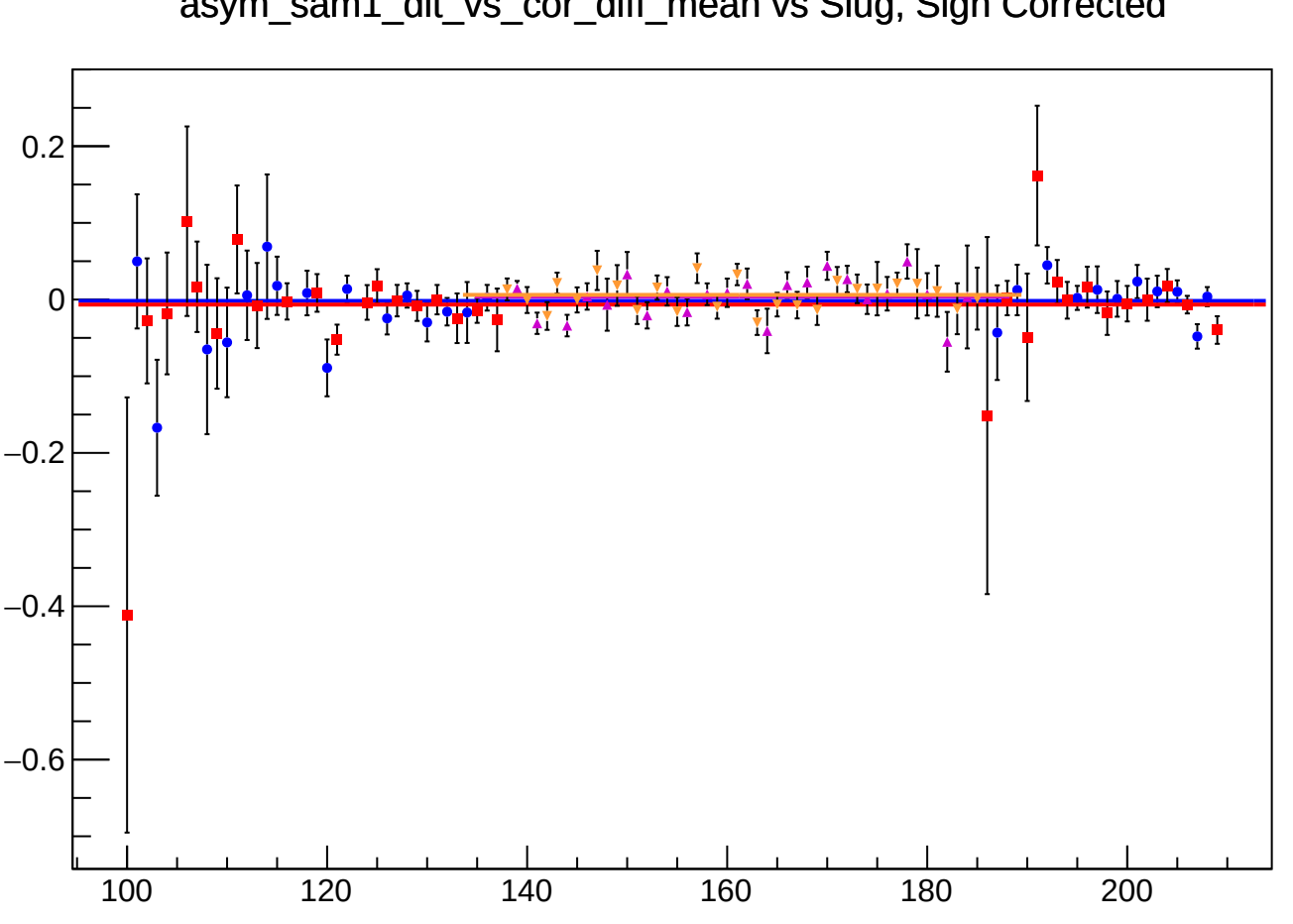
Left: 0.000+/-0.000 χ^2/NDF: 3156838.2/47

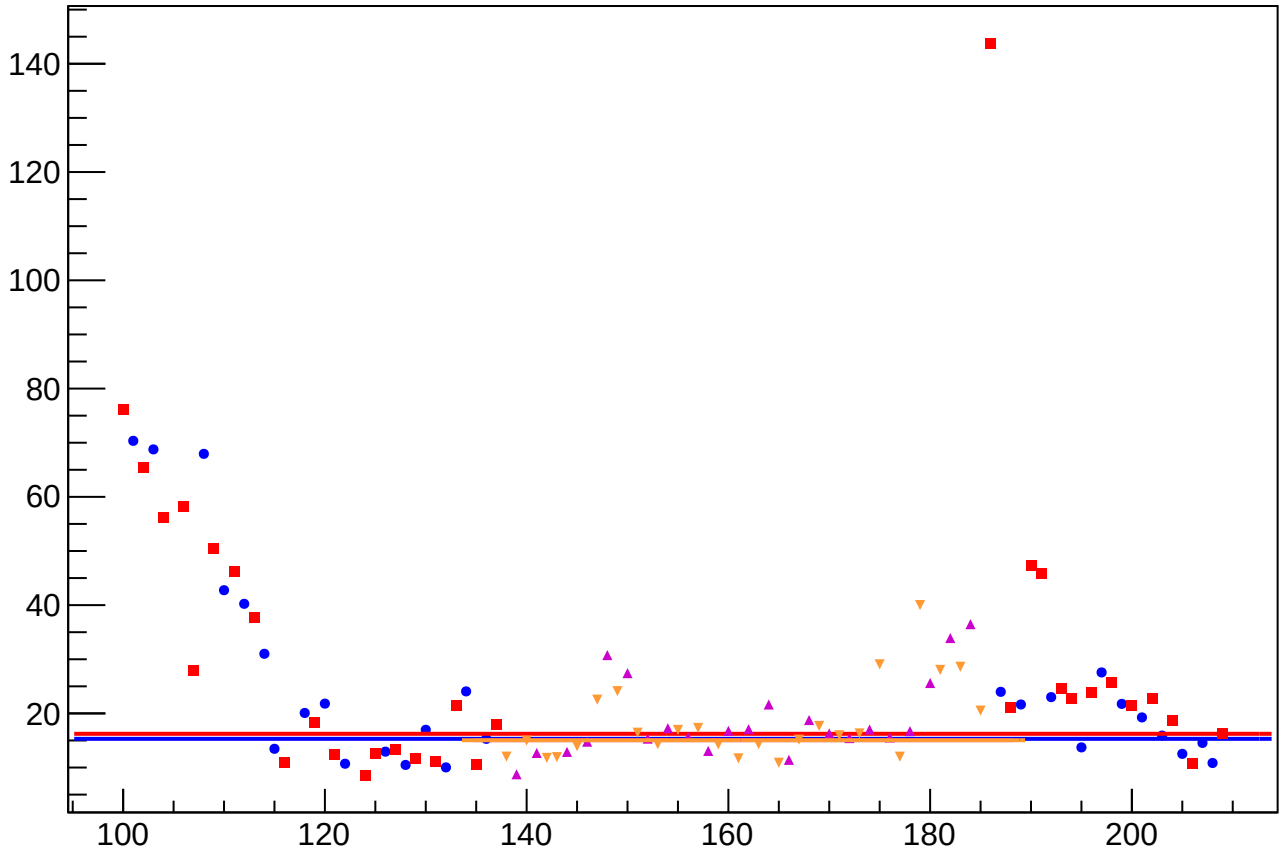
Right: 0.000+/-0.000 χ^2/NDF: 14869775.5/58

In: 0.000+/-0.000 χ^2/NDF:10567260.9/49

Out: 0.000+/-0.000 χ^2/NDF:11540704.8/56

All: 0.000+/-0.000 χ^2/NDF: 22129103.9/106


asym_sam1_dit_vs_cor_diff_mean vs Slug, Sign Corrected
0.2
0
−0.2
−0.4
−0.6
100
120
140
160
180
200
Right In: -0.002+/-0.004 χ²/NDF: 31.3/26
Left Out: 0.006+/-0.004 χ²/NDF:26.7/24
Right Out: -0.007+/-0.005 χ²/NDF: 23.8/31
Left In: 0.004+/-0.004 χ²/NDF:37.1/22
Left: 0.005+/-0.003 χ²/NDF: 64.0/47
Right: -0.004+/-0.003 χ²/NDF: 55.6/58
In: 0.001+/-0.003 χ²/NDF:69.3/49
Out: 0.001+/-0.003 χ²/NDF:55.1/56
All: 0.001+/-0.002 χ²/NDF: 124.4/106



Right In: 15.302+/-0.003 χ^2/NDF: 4664525.8/26

Left Out: 15.046+/-0.003 χ^2/NDF:2758075.6/24

Right Out: 16.231+/-0.003 χ^2/NDF: 6416328.8/31

Left In: 15.068+/-0.003 χ^2/NDF:3066591.4/22

Left: 15.057+/-0.002 χ^2/NDF: 5824699.0/47

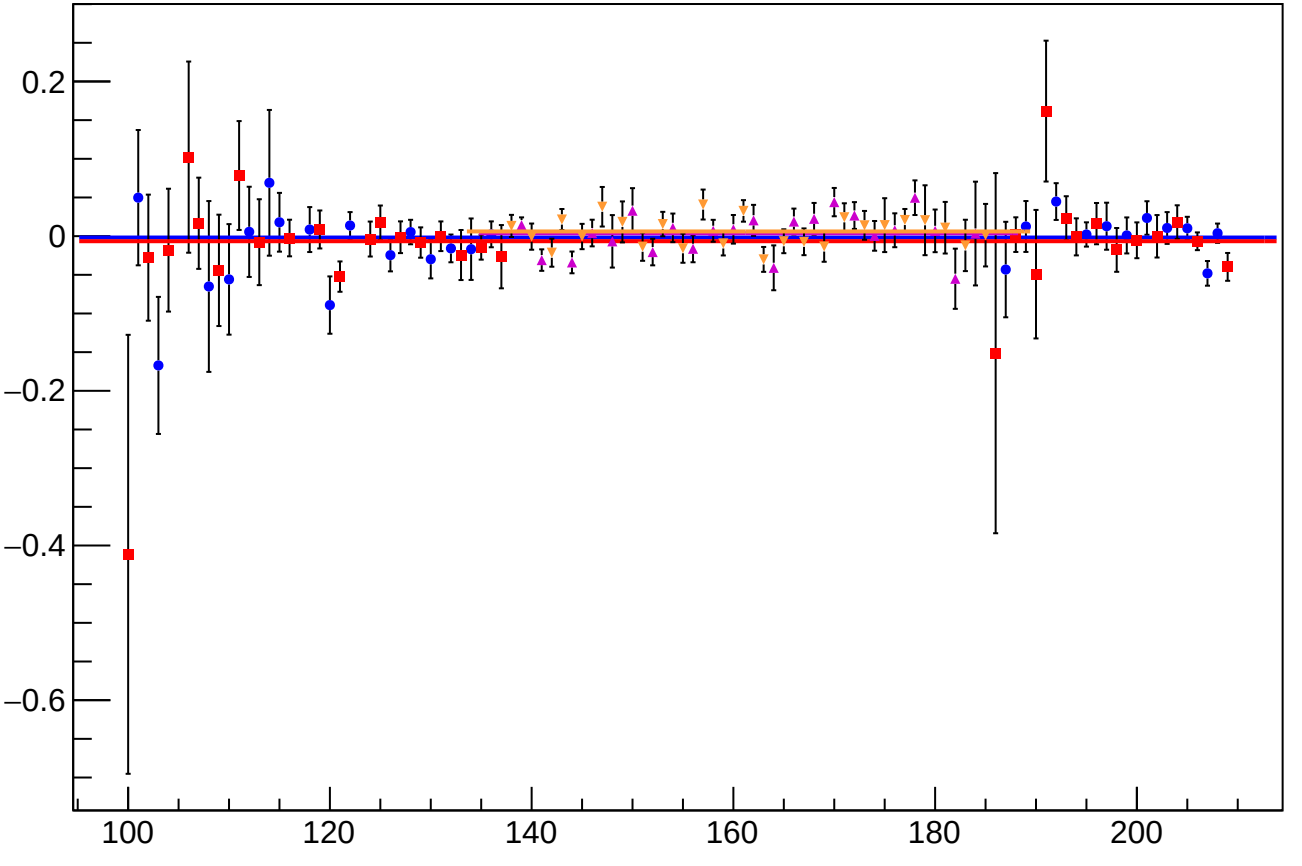
Right: 15.753+/-0.002 χ^2/NDF: 11123872.0/58

In: 15.169+/-0.002 χ^2/NDF:7734342.6/49

Out: 15.516+/-0.002 χ^2/NDF:9256472.8/56

All: 15.344+/-0.001 χ^2/NDF: 17005364.0/106

asym_sam1_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.002+/-0.004 χ^2/NDF: 31.3/26

Left Out: 0.006+/-0.004 χ^2/NDF:26.7/24

Right Out: -0.007+/-0.005 χ^2/NDF: 23.8/31

Left In: 0.004+/-0.004 χ^2/NDF:37.1/22

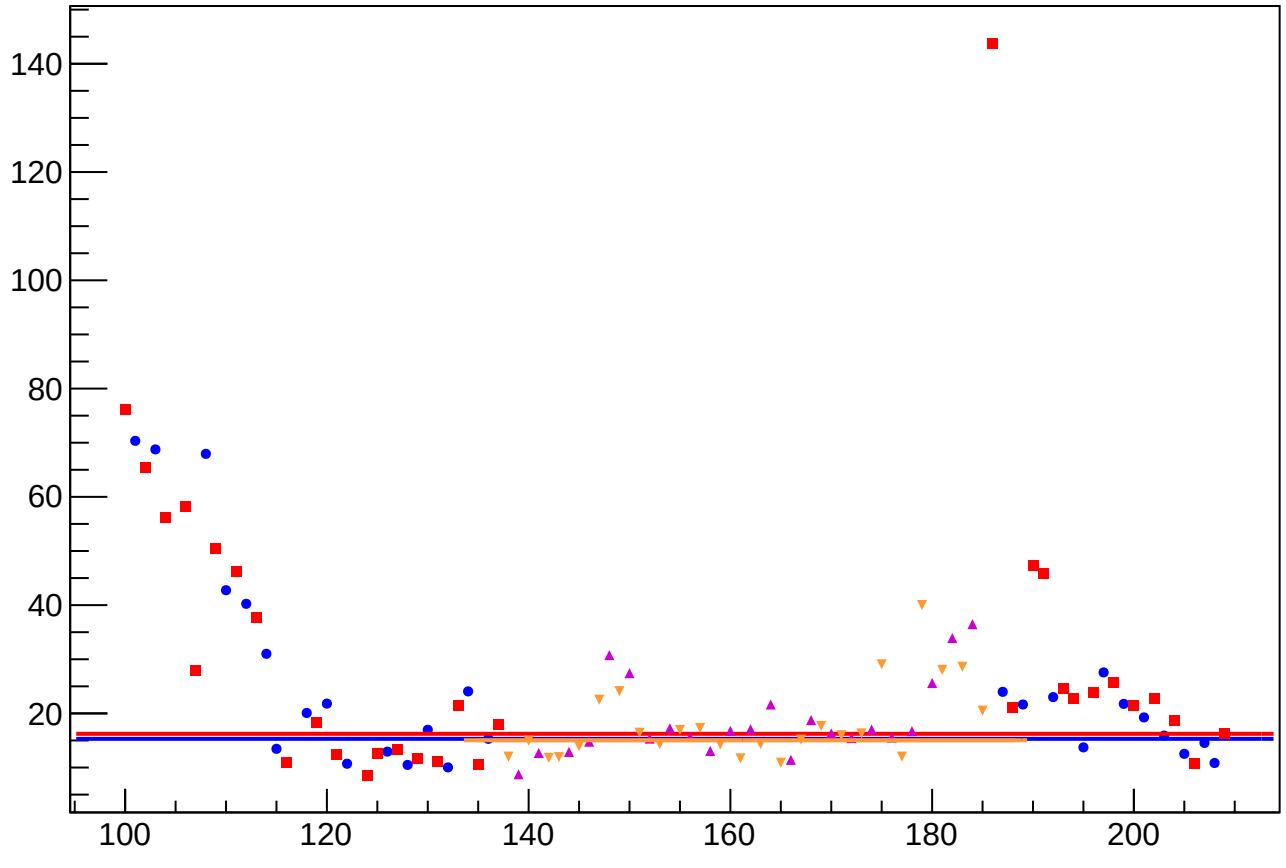
Left: 0.005+/-0.003 χ^2/NDF: 64.0/47

Right: -0.004+/-0.003 χ^2/NDF: 55.6/58

In: 0.001+/-0.003 χ^2/NDF:69.3/49

Out: 0.001+/-0.003 χ^2/NDF:55.1/56

All: 0.001+/-0.002 χ^2/NDF: 124.4/106



Right In: 15.302+/-0.003 χ^2/NDF: 4664525.8/26

Left Out: 15.046+/-0.003 χ^2/NDF:2758075.6/24

Right Out: 16.231+/-0.003 χ^2/NDF: 6416328.8/31

Left In: 15.068+/-0.003 χ^2/NDF:3066591.4/22

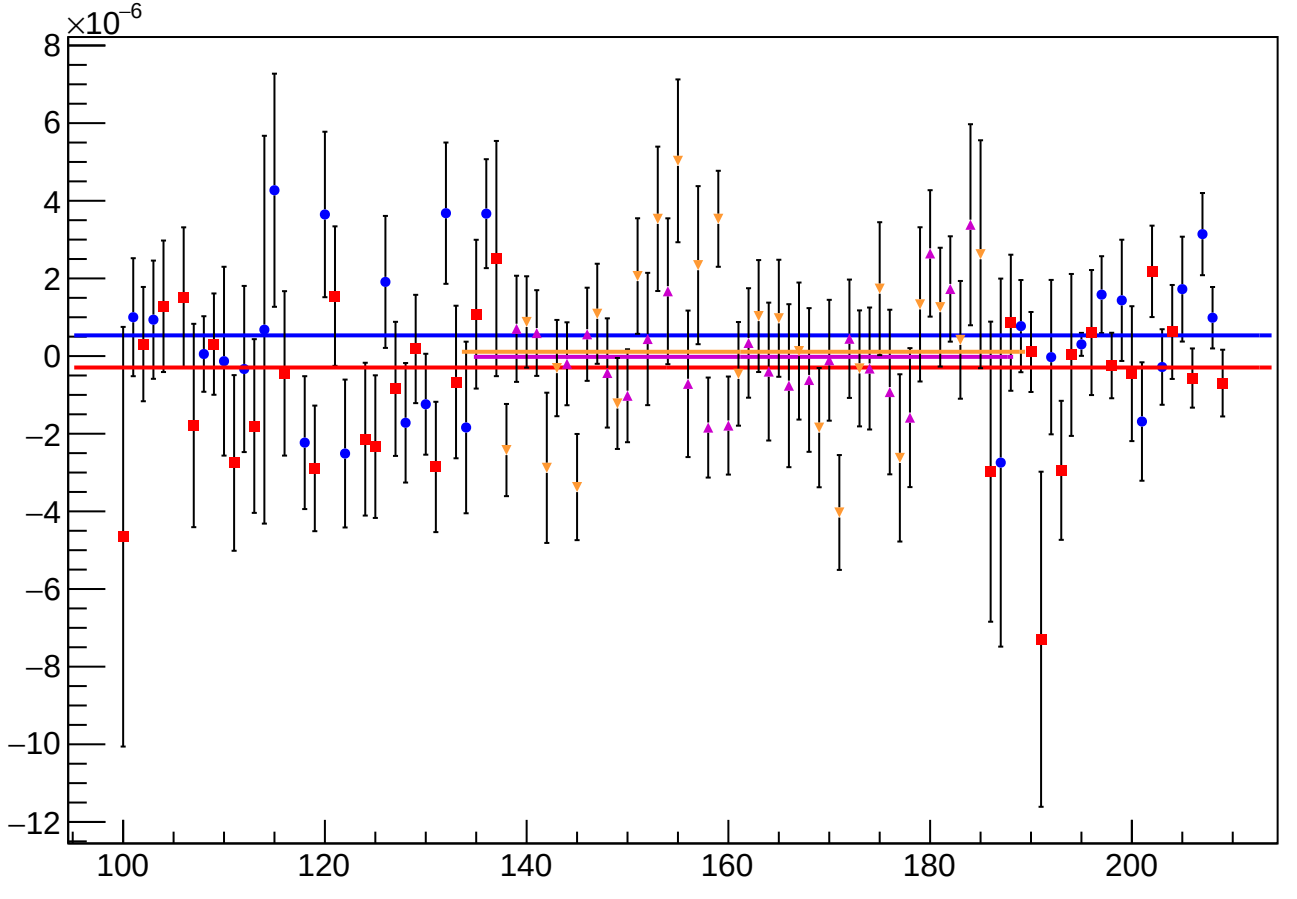
Left: 15.057+/-0.002 χ^2/NDF: 5824699.0/47

Right: 15.753+/-0.002 χ^2/NDF: 11123872.0/58

In: 15.169+/-0.002 χ^2/NDF:7734342.6/49

Out: 15.516+/-0.002 χ^2/NDF:9256472.8/56

All: 15.344+/-0.001 χ^2/NDF: 17005364.0/106



Right In: 0.000+/-0.000 χ^2/NDF: 36.0/26

Left Out: 0.000+/-0.000 χ^2/NDF:50.0/24

Right Out: -0.000+/-0.000 χ^2/NDF: 26.1/31

Left In: -0.000+/-0.000 χ^2/NDF:14.1/22

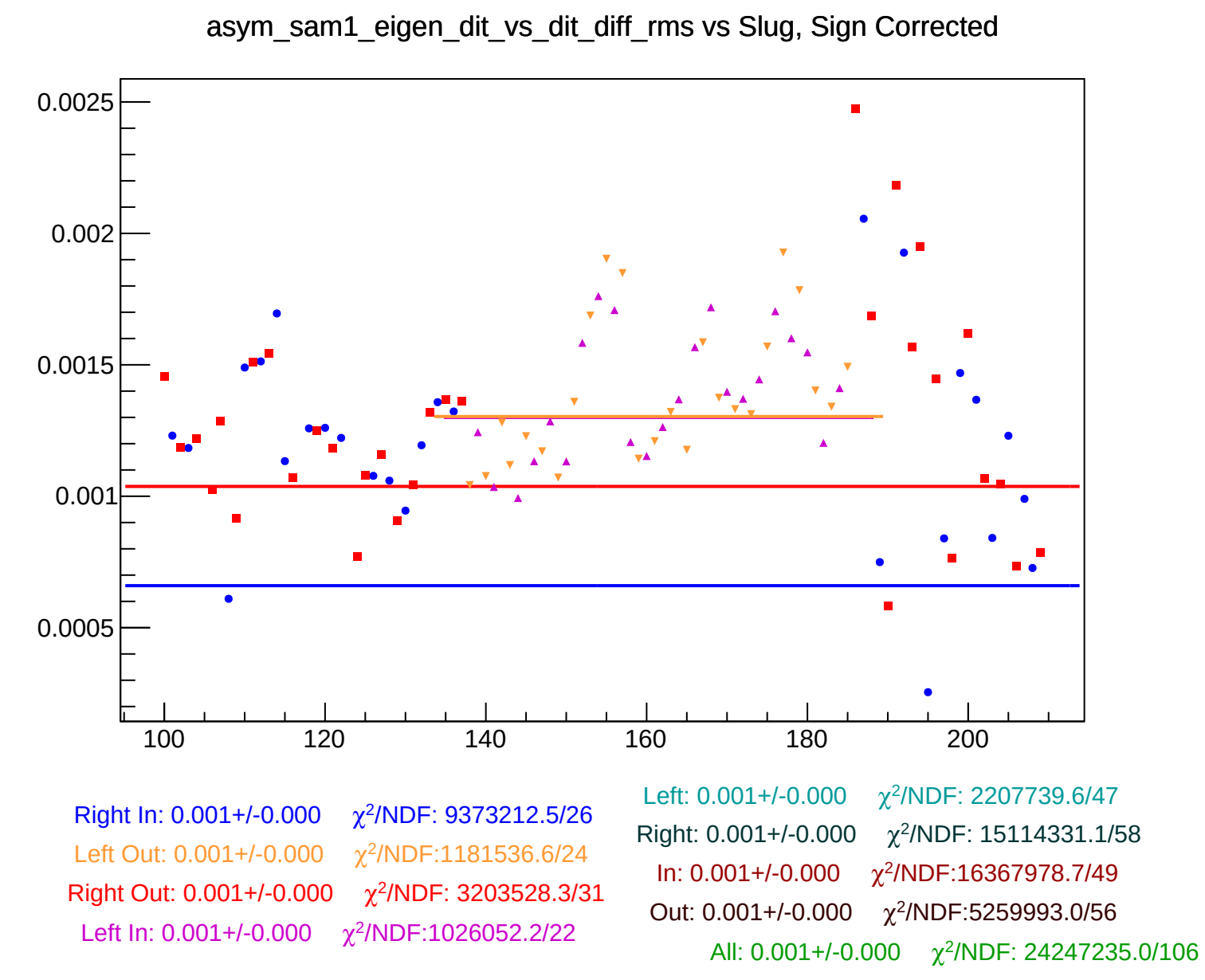
Left: 0.000+/-0.000 χ^2/NDF: 64.2/47

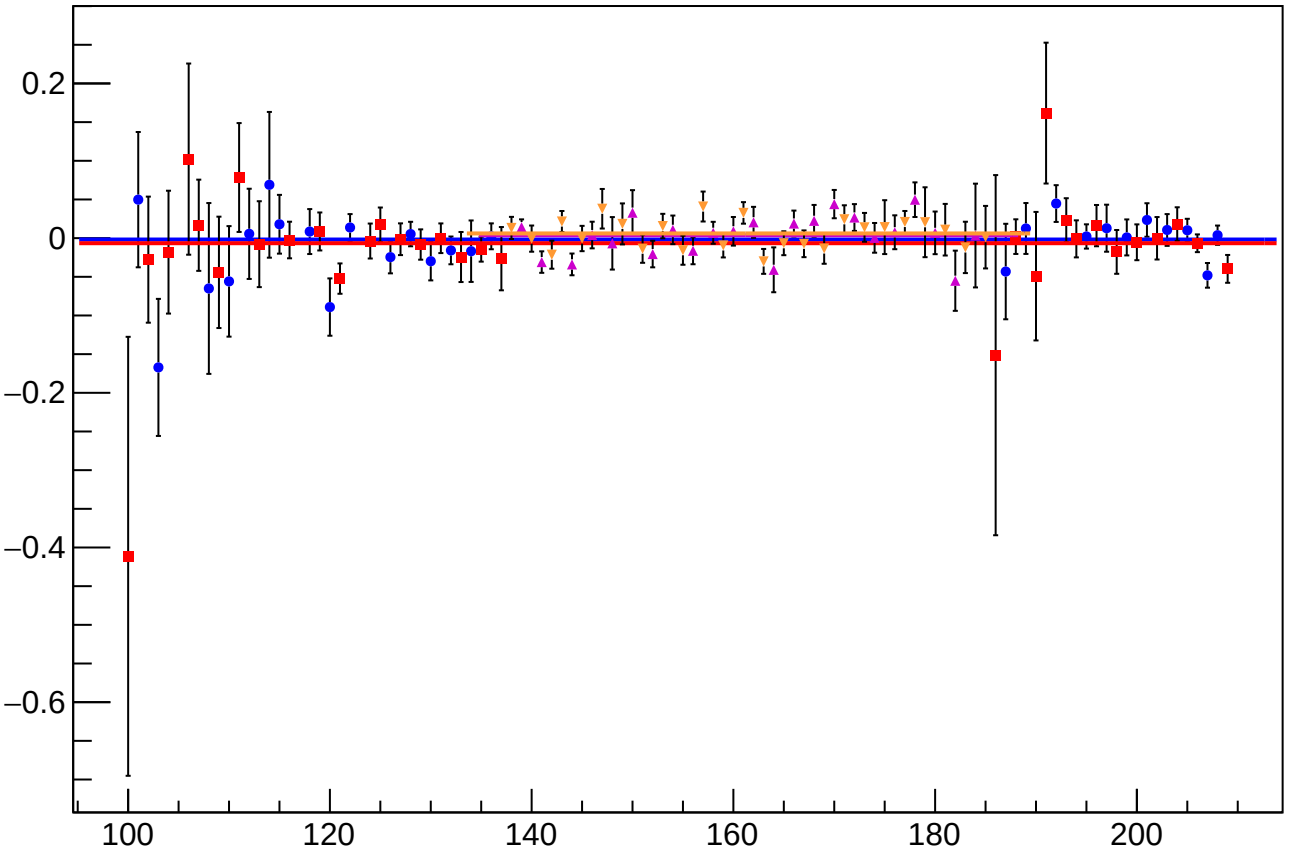
Right: 0.000+/-0.000 χ^2/NDF: 68.2/58

In: 0.000+/-0.000 χ^2/NDF:52.3/49

Out: -0.000+/-0.000 χ^2/NDF:77.1/56

All: 0.000+/-0.000 χ^2/NDF: 132.8/106


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
Right In: 0.001+/-0.000 χ²/NDF: 9373212.5/26
Left Out: 0.001+/-0.000 χ²/NDF:1181536.6/24
Right Out: 0.001+/-0.000 χ²/NDF: 3203528.3/31
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: 15114331.1/58
In: 0.001+/-0.000 χ²/NDF:16367978.7/49
Out: 0.001+/-0.000 χ²/NDF:5259993.0/56
All: 0.001+/-0.000 χ²/NDF: 24247235.0/106



Right In: -0.002+/-0.004 χ^2/NDF: 31.3/26

Left Out: 0.006+/-0.004 χ^2/NDF:26.7/24

Right Out: -0.007+/-0.005 χ^2/NDF: 23.8/31

Left In: 0.004+/-0.004 χ^2/NDF:37.1/22

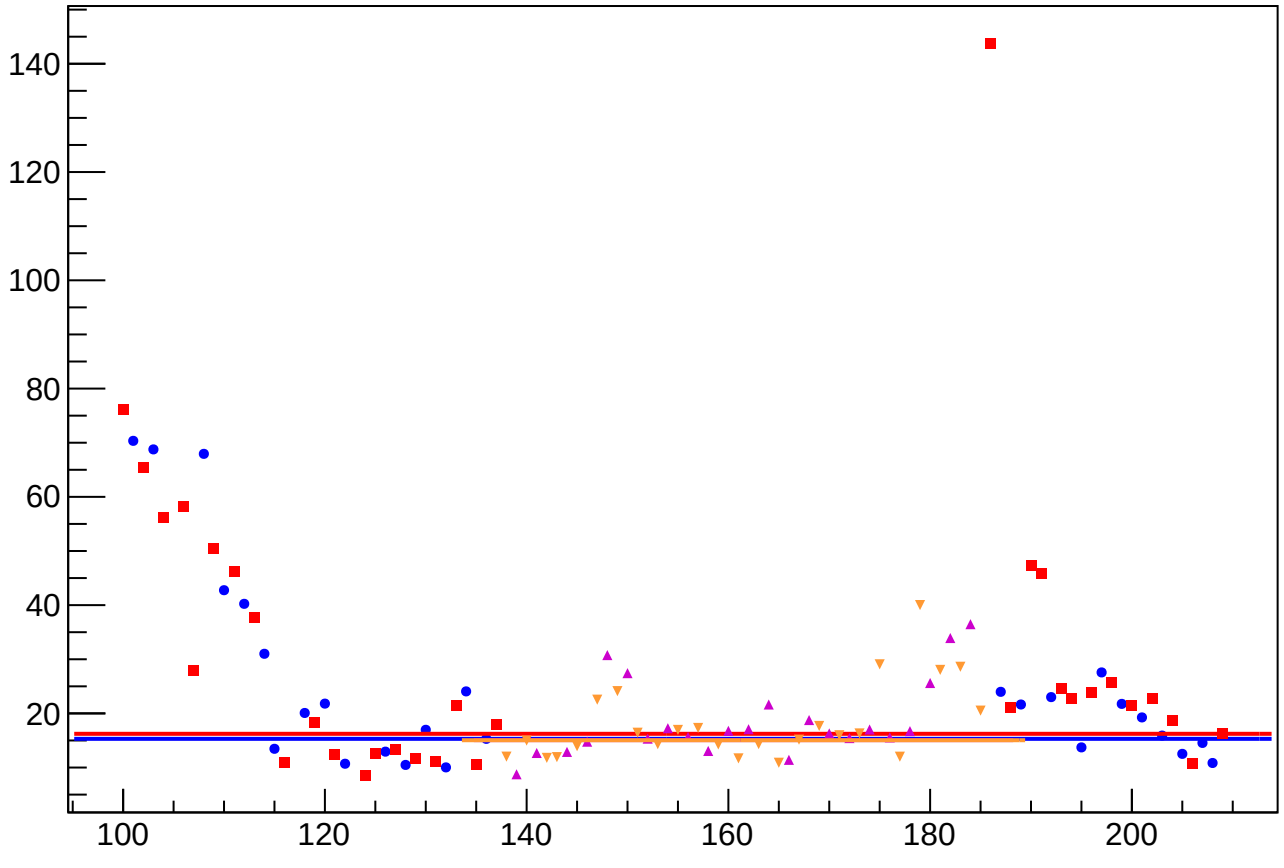
Left: 0.005+/-0.003 χ^2/NDF: 64.0/47

Right: -0.004+/-0.003 χ^2/NDF: 55.6/58

In: 0.001+/-0.003 χ^2/NDF:69.3/49

Out: 0.001+/-0.003 χ^2/NDF:55.1/56

All: 0.001+/-0.002 χ^2/NDF: 124.4/106



Right In: 15.302+/-0.003 χ^2/NDF: 4664535.8/26

Left Out: 15.046+/-0.003 χ^2/NDF:2758285.3/24

Right Out: 16.230+/-0.003 χ^2/NDF: 6416295.2/31

Left In: 15.067+/-0.003 χ^2/NDF:3066635.3/22

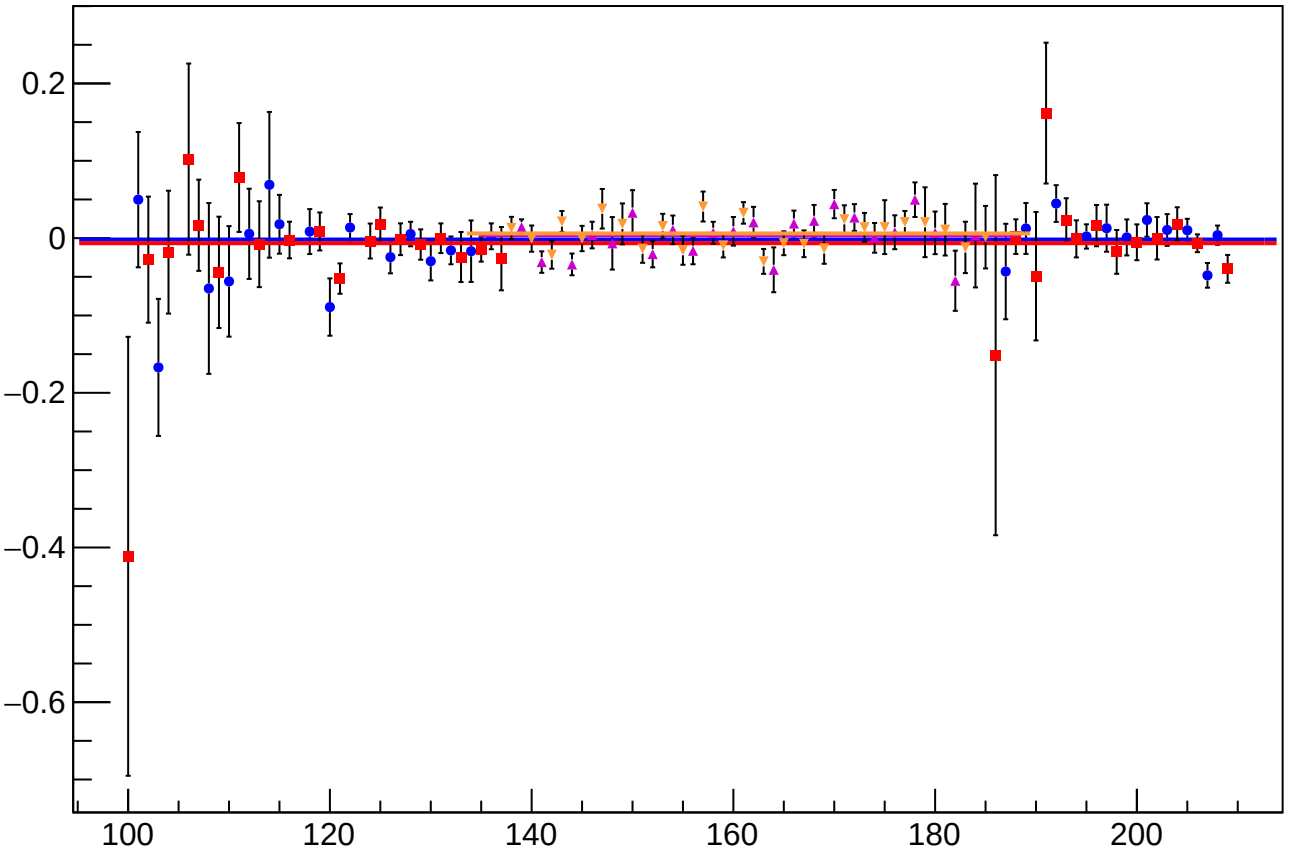
Left: 15.056+/-0.002 χ^2/NDF: 5824952.7/47

Right: 15.752+/-0.002 χ^2/NDF: 11123857.1/58

In: 15.168+/-0.002 χ^2/NDF:7734392.9/49

Out: 15.515+/-0.002 χ^2/NDF:9256652.3/56

All: 15.344+/-0.001 χ^2/NDF: 17005593.9/106



Right In: -0.002+/-0.004 χ^2/NDF: 31.3/26

Left Out: 0.006+/-0.004 χ^2/NDF:26.7/24

Right Out: -0.007+/-0.005 χ^2/NDF: 23.8/31

Left In: 0.004+/-0.004 χ^2/NDF:37.1/22

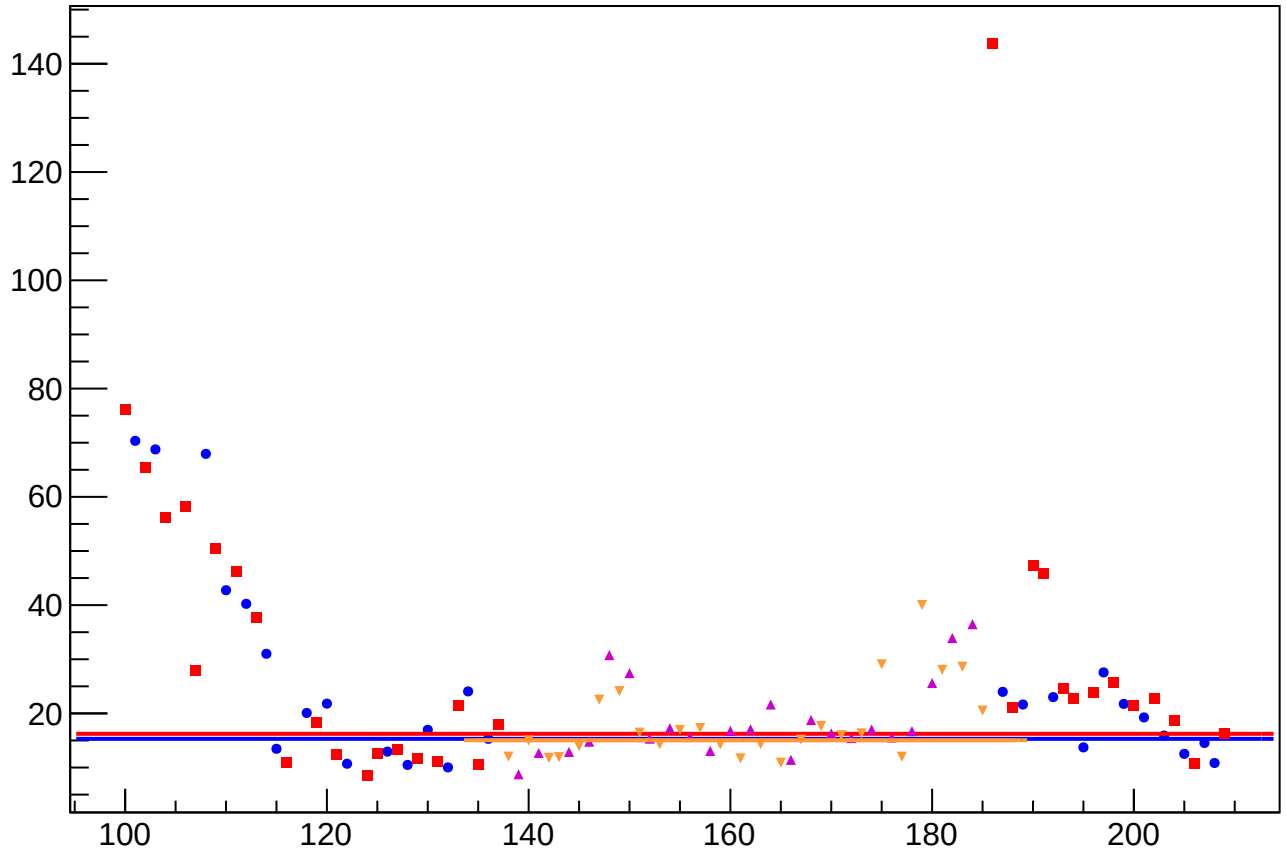
Left: 0.005+/-0.003 χ^2/NDF: 64.0/47

Right: -0.004+/-0.003 χ^2/NDF: 55.6/58

In: 0.001+/-0.003 χ^2/NDF:69.3/49

Out: 0.001+/-0.003 χ^2/NDF:55.1/56

All: 0.001+/-0.002 χ^2/NDF: 124.4/106



Right In: 15.302+/-0.003 χ^2/NDF: 4664535.8/26

Left Out: 15.046+/-0.003 χ^2/NDF:2758285.3/24

Right Out: 16.230+/-0.003 χ^2/NDF: 6416295.2/31

Left In: 15.067+/-0.003 χ^2/NDF:3066635.3/22

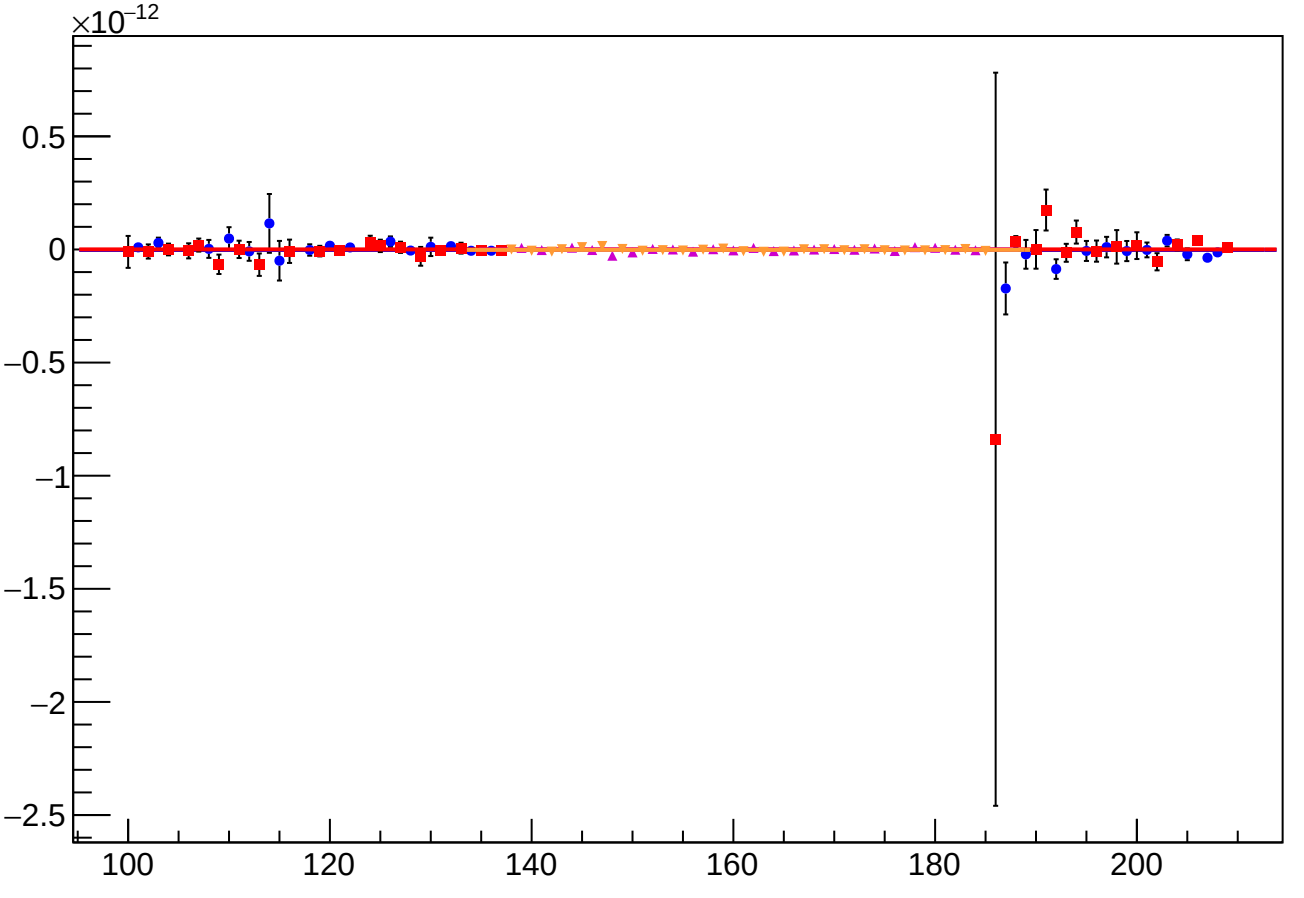
Left: 15.056+/-0.002 χ^2/NDF: 5824952.7/47

Right: 15.752+/-0.002 χ^2/NDF: 11123857.1/58

In: 15.168+/-0.002 χ^2/NDF:7734392.9/49

Out: 15.515+/-0.002 χ^2/NDF:9256652.3/56

All: 15.344+/-0.001 χ^2/NDF: 17005593.9/106



Right In: -0.000+/-0.000 χ^2/NDF: 22.9/26

Left Out: -0.000+/-0.000 χ^2/NDF:15.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 22.6/31

Left In: -0.000+/-0.000 χ^2/NDF:21.3/22

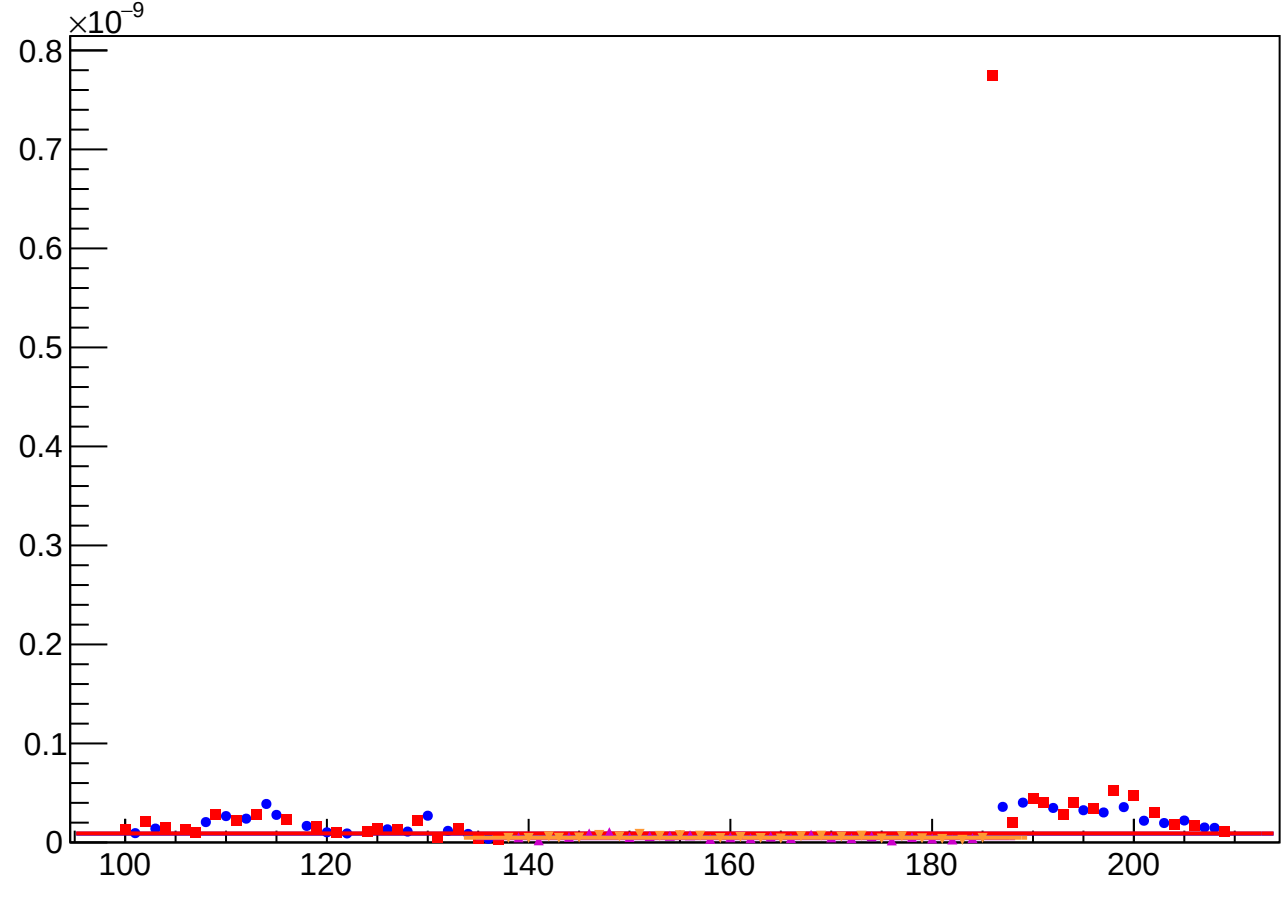
Left: -0.000+/-0.000 χ^2/NDF: 36.9/47

Right: -0.000+/-0.000 χ^2/NDF: 45.8/58

In: -0.000+/-0.000 χ^2/NDF:44.5/49

Out: -0.000+/-0.000 χ^2/NDF:38.1/56

All: -0.000+/-0.000 χ^2/NDF: 82.7/106



Right In: 0.000+/-0.000 χ^2/NDF: 8794780.8/26

Left Out: 0.000+/-0.000 χ^2/NDF:2098495.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 10946457.0/31

Left In: 0.000+/-0.000 χ^2/NDF:3526134.8/22

Left: 0.000+/-0.000 χ^2/NDF: 5756687.2/47

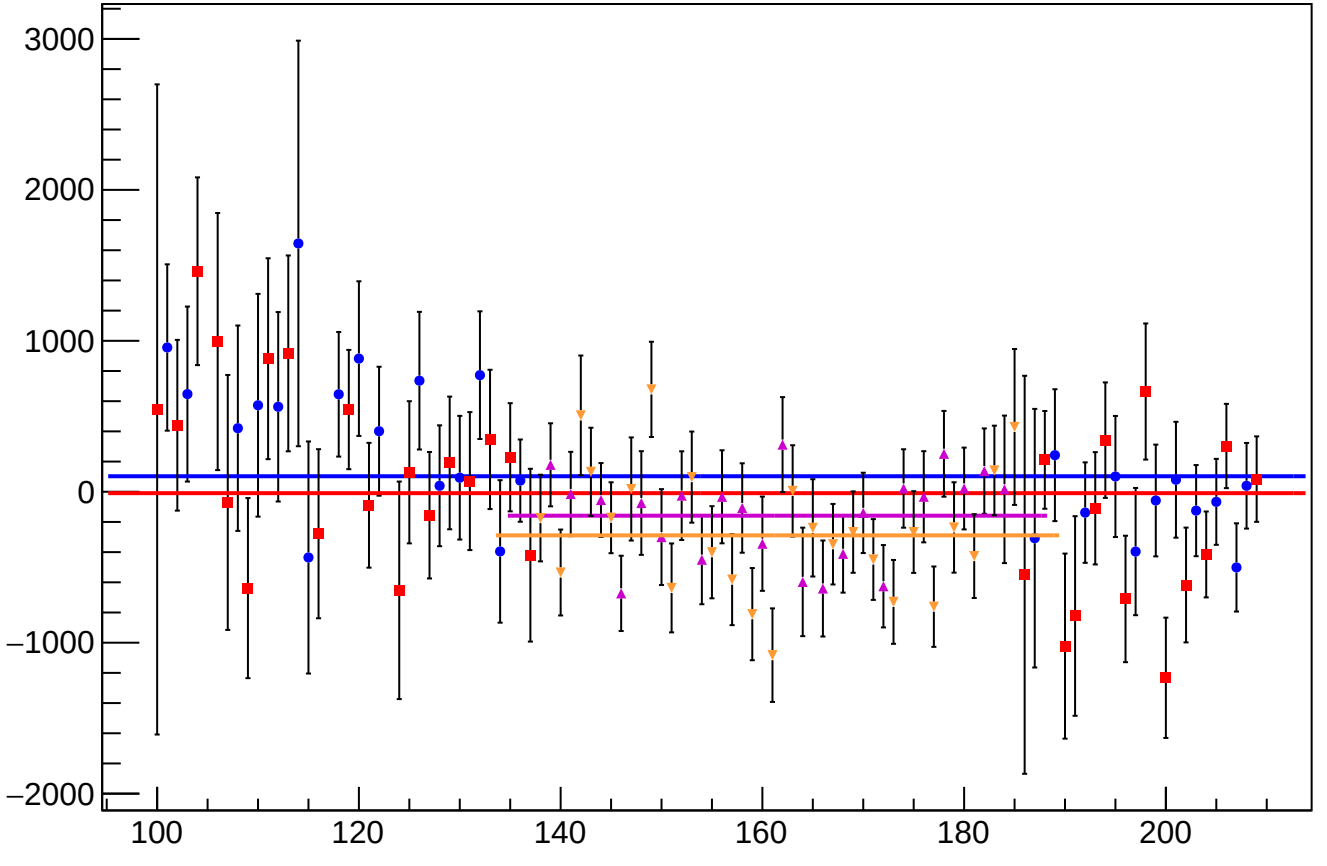
Right: 0.000+/-0.000 χ^2/NDF: 19746065.2/58

In: 0.000+/-0.000 χ^2/NDF:15359195.9/49

Out: 0.000+/-0.000 χ^2/NDF:15640479.9/56

All: 0.000+/-0.000 χ^2/NDF: 31135695.7/106

reg_asym_sam2_mean vs Slug, Sign Corrected



Right In: 102.759+/-79.120 χ^2/NDF: 24.1/26

Left Out: -288.924+/-59.035 χ^2/NDF:42.4/24

Right Out: -9.284+/-79.095 χ^2/NDF: 43.9/31

Left In: -158.601+/-60.708 χ^2/NDF:22.5/22

Left: -225.582+/-42.323 χ^2/NDF: 67.3/47

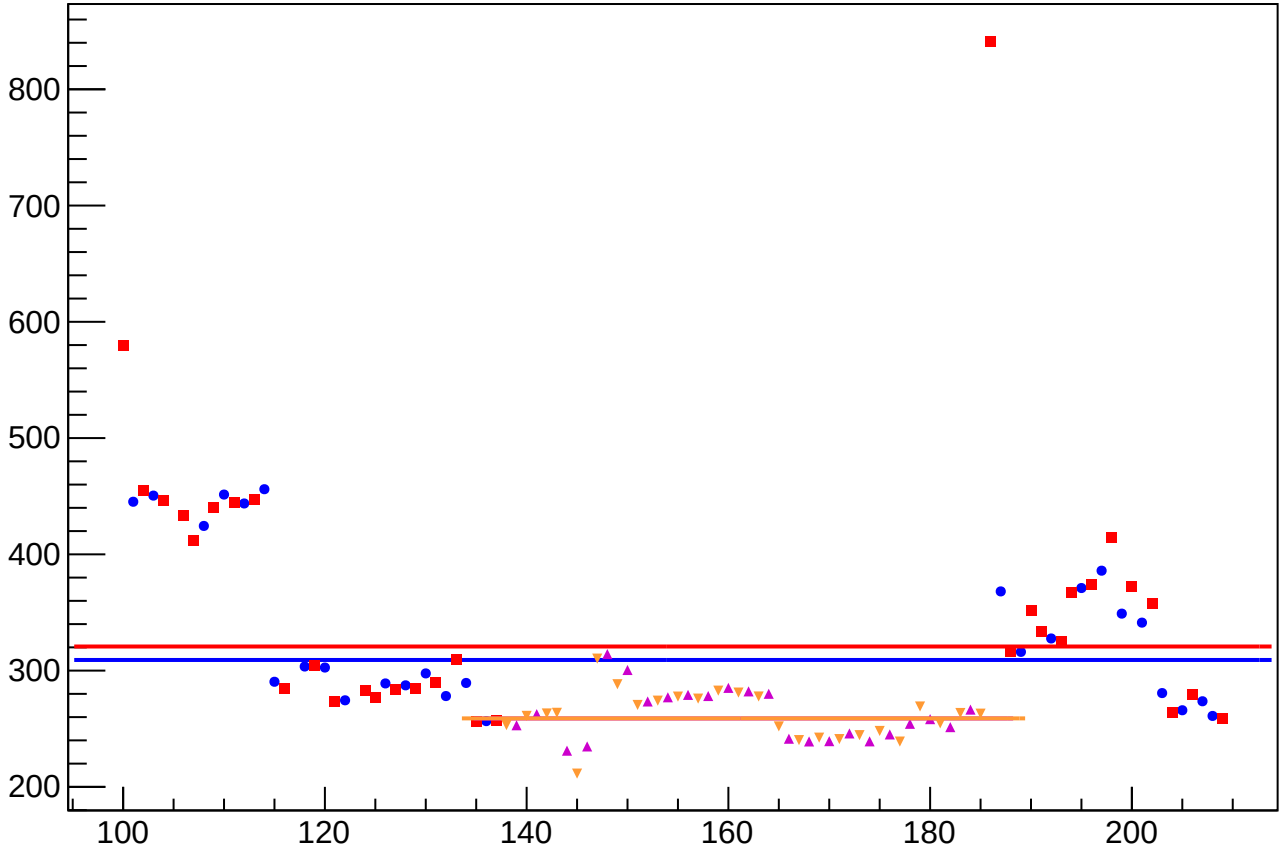
Right: 46.720+/-55.937 χ^2/NDF: 68.9/58

In: -61.750+/-48.163 χ^2/NDF:53.5/49

Out: -188.876+/-47.310 χ^2/NDF:94.3/56

All: -126.449+/-33.751 χ^2/NDF: 151.3/106

reg_asym_sam2_rms vs Slug, Sign Corrected



Right In: 309.152+/-0.056 χ^2/NDF: 922232.0/26

Left Out: 258.912+/-0.042 χ^2/NDF:248740.9/24

Right Out: 320.735+/-0.056 χ^2/NDF: 1435205.6/31

Left In: 258.843+/-0.043 χ^2/NDF:244953.3/22

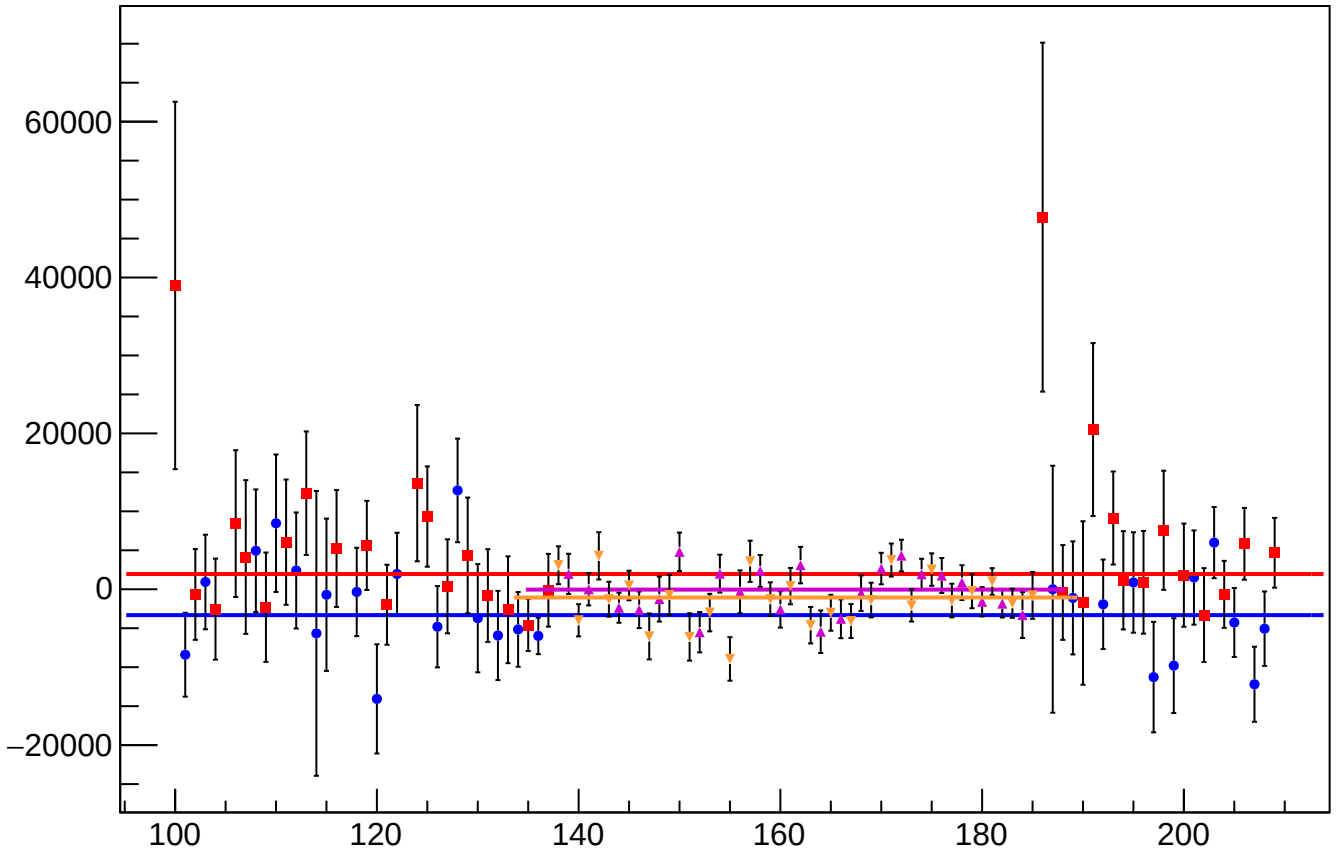
Left: 258.878+/-0.030 χ^2/NDF: 493695.6/47

Right: 314.946+/-0.040 χ^2/NDF: 2378877.6/58

In: 277.486+/-0.034 χ^2/NDF:1676170.9/49

Out: 281.031+/-0.033 χ^2/NDF:2468688.7/56

All: 279.290+/-0.024 χ^2/NDF: 4150373.7/106



Right In: -3316.922+/-1064.025 χ^2/NDF: 27.5/26

Left Out: -1059.229+/-454.653 χ^2/NDF:41.5/24

Right Out: 1954.676+/-1103.464 χ^2/NDF: 26.3/31

Left In: -44.352+/-470.700 χ^2/NDF:34.2/22

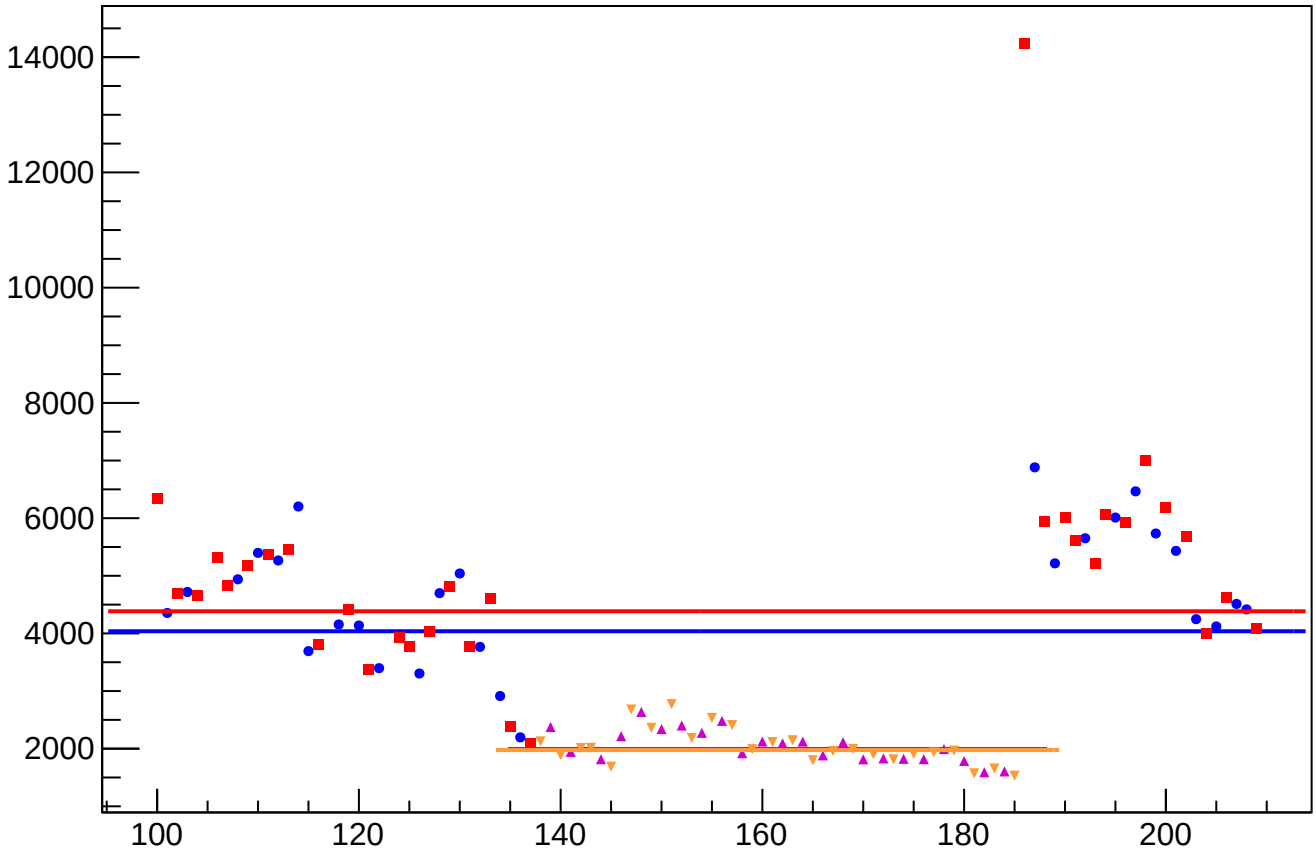
Left: -569.385+/-327.014 χ^2/NDF: 78.1/47

Right: -777.012+/-765.943 χ^2/NDF: 65.6/58

In: -579.967+/-430.461 χ^2/NDF:69.6/49

Out: -621.833+/-420.369 χ^2/NDF:74.1/56

All: -601.396+/-300.750 χ^2/NDF: 143.7/106



Right In: 4037.462+/-0.752 χ^2/NDF: 2667644.4/26

Left Out: 1975.967+/-0.321 χ^2/NDF:763327.6/24

Right Out: 4384.142+/-0.780 χ^2/NDF: 2880813.5/31

Left In: 1994.760+/-0.333 χ^2/NDF:599994.9/22

Left: 1985.038+/-0.231 χ^2/NDF: 1364971.8/47

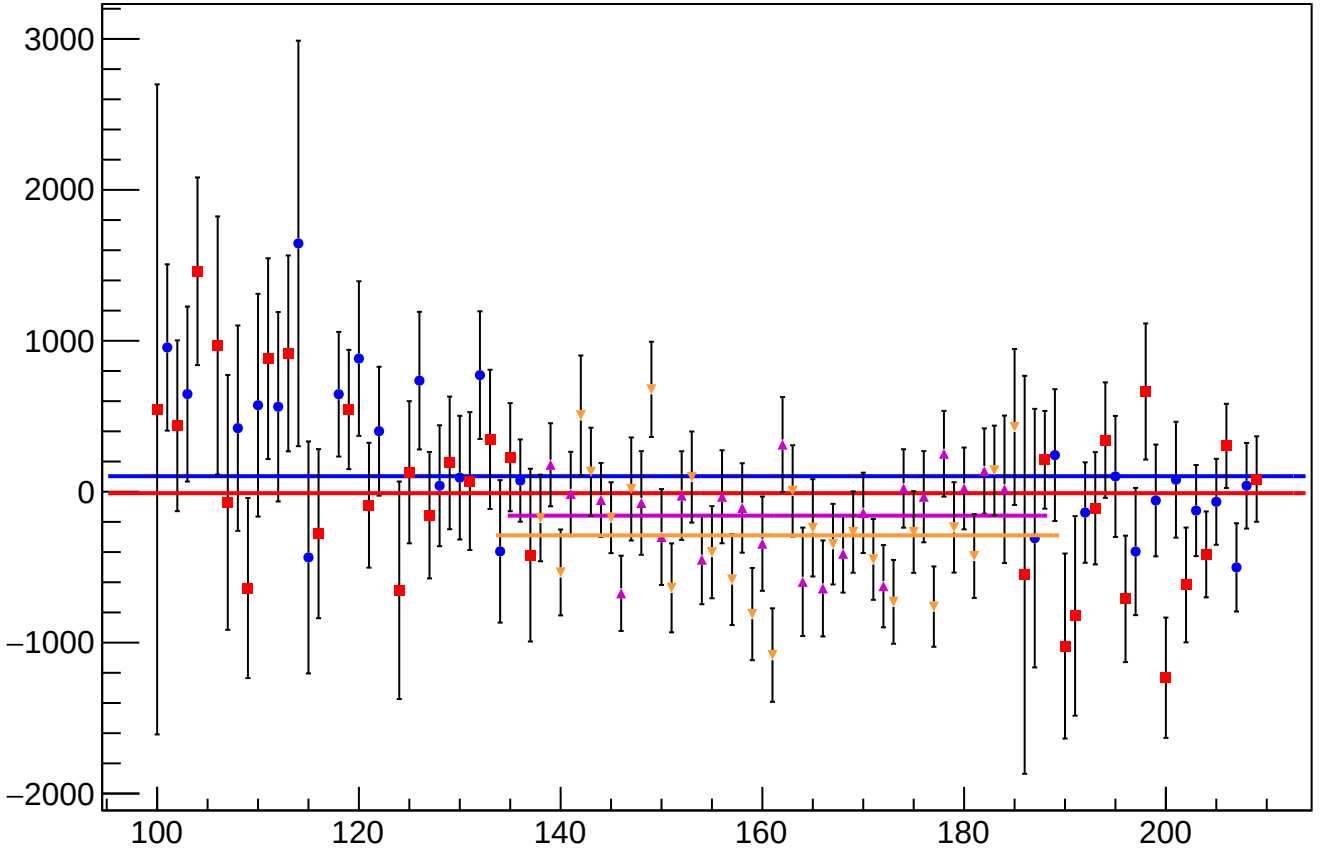
Right: 4204.496+/-0.542 χ^2/NDF: 5650754.0/58

In: 2329.085+/-0.304 χ^2/NDF:9432380.8/49

Out: 2325.456+/-0.297 χ^2/NDF:11787270.7/56

All: 2327.227+/-0.213 χ^2/NDF: 21219724.3/

cor_asym_sam2_mean vs Slug, Sign Corrected



Right In: 102.729+/-79.120 χ^2/NDF: 24.1/26

Left Out: -288.928+/-59.035 χ^2/NDF:42.4/24

Right Out: -9.654+/-79.098 χ^2/NDF: 43.8/31

Left In: -158.612+/-60.708 χ^2/NDF:22.5/22

Left: -225.590+/-42.323 χ^2/NDF: 67.3/47

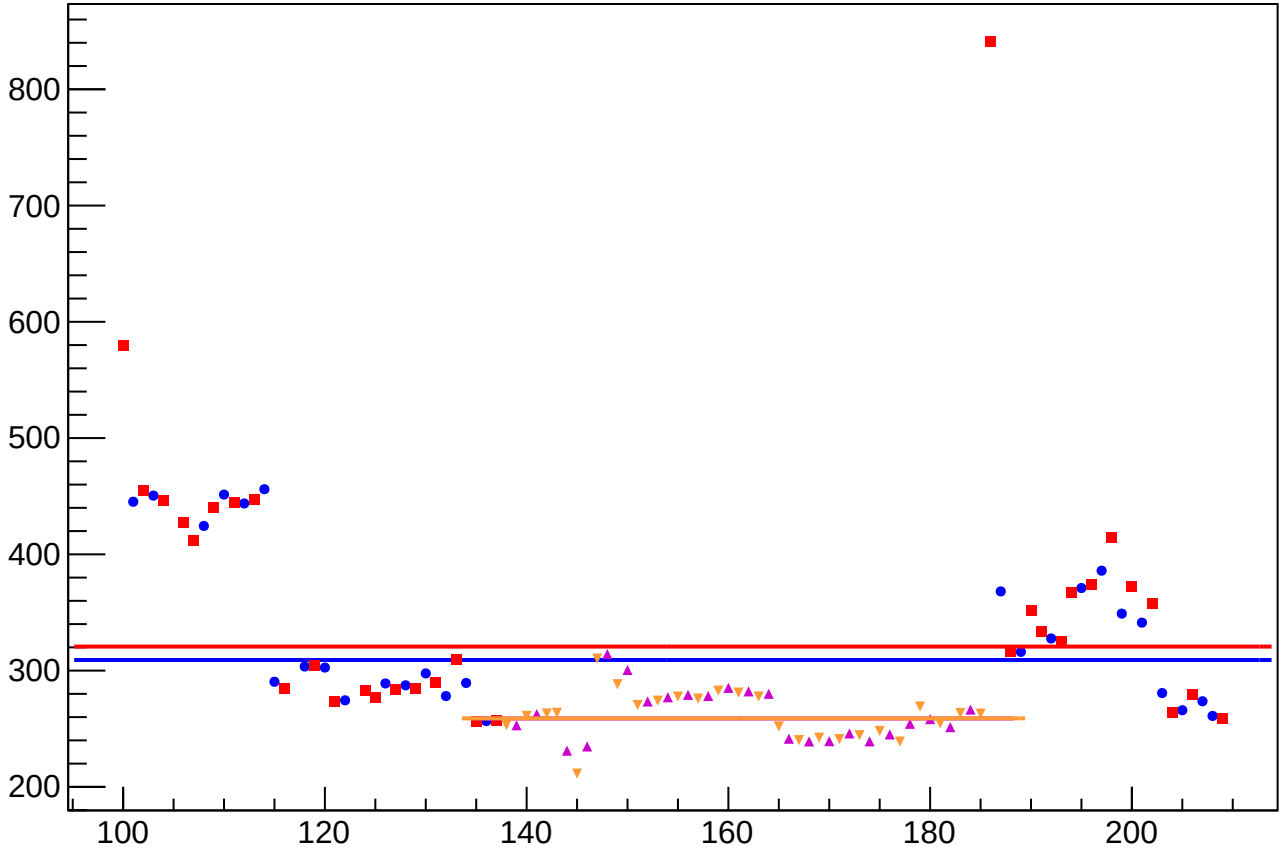
Right: 46.522+/-55.938 χ^2/NDF: 68.8/58

In: -61.768+/-48.163 χ^2/NDF:53.5/49

Out: -189.016+/-47.311 χ^2/NDF:94.2/56

All: -126.528+/-33.751 χ^2/NDF: 151.2/106

cor_asym_sam2_rms vs Slug, Sign Corrected



Right In: 309.152+/-0.056 χ^2/NDF: 922233.5/26

Left Out: 258.912+/-0.042 χ^2/NDF:248740.9/24

Right Out: 320.671+/-0.056 χ^2/NDF: 1431080.0/31

Left In: 258.843+/-0.043 χ^2/NDF:244953.3/22

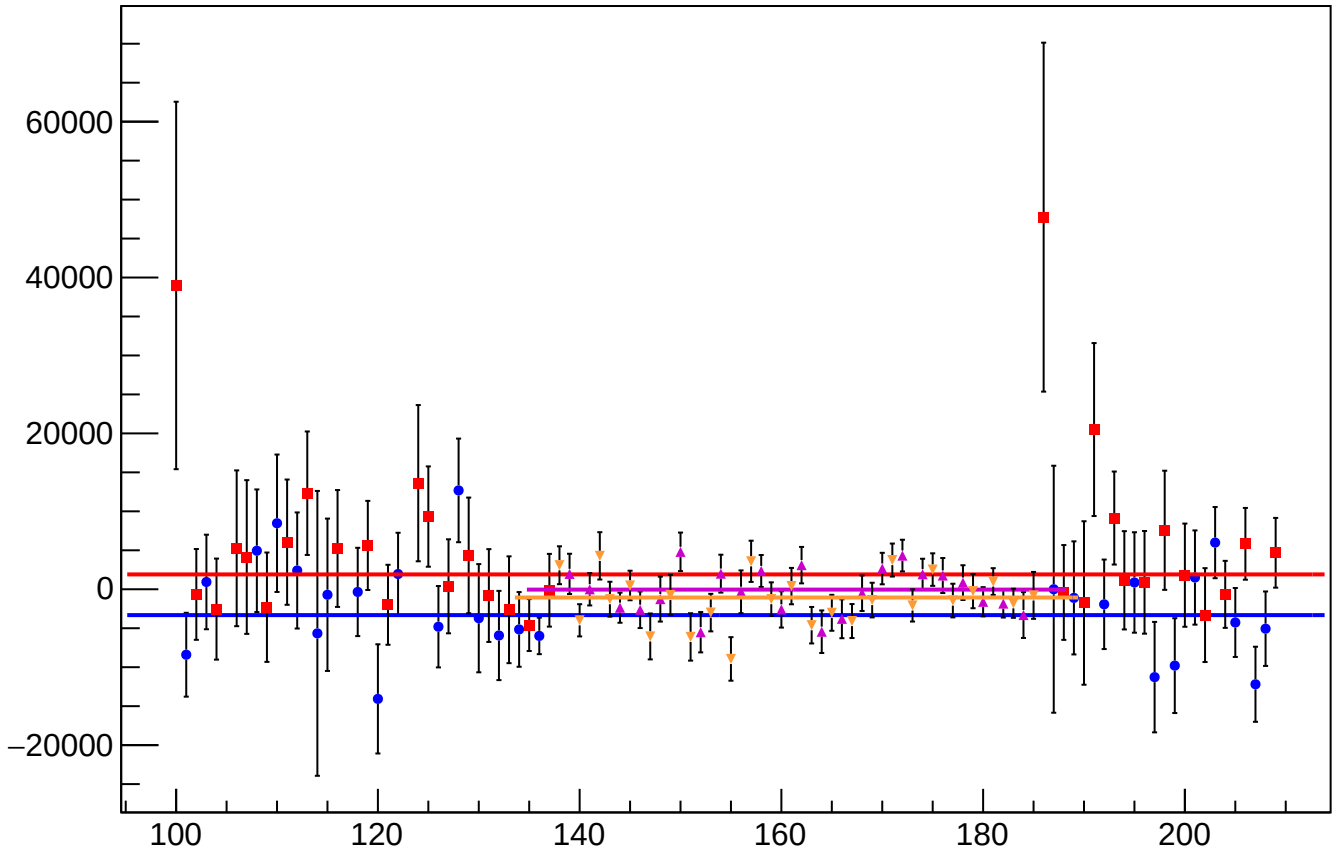
Left: 258.878+/-0.030 χ^2/NDF: 493695.6/47

Right: 314.913+/-0.040 χ^2/NDF: 2374516.1/58

In: 277.486+/-0.034 χ^2/NDF:1676172.5/49

Out: 281.007+/-0.033 χ^2/NDF:2462896.9/56

All: 279.278+/-0.024 χ^2/NDF: 4144508.7/106



Right In: -3316.895+/-1064.027 χ^2/NDF: 27.5/26

Left Out: -1059.232+/-454.653 χ^2/NDF:41.5/24

Right Out: 1906.454+/-1104.330 χ^2/NDF: 25.9/31

Left In: -44.348+/-470.700 χ^2/NDF:34.2/22

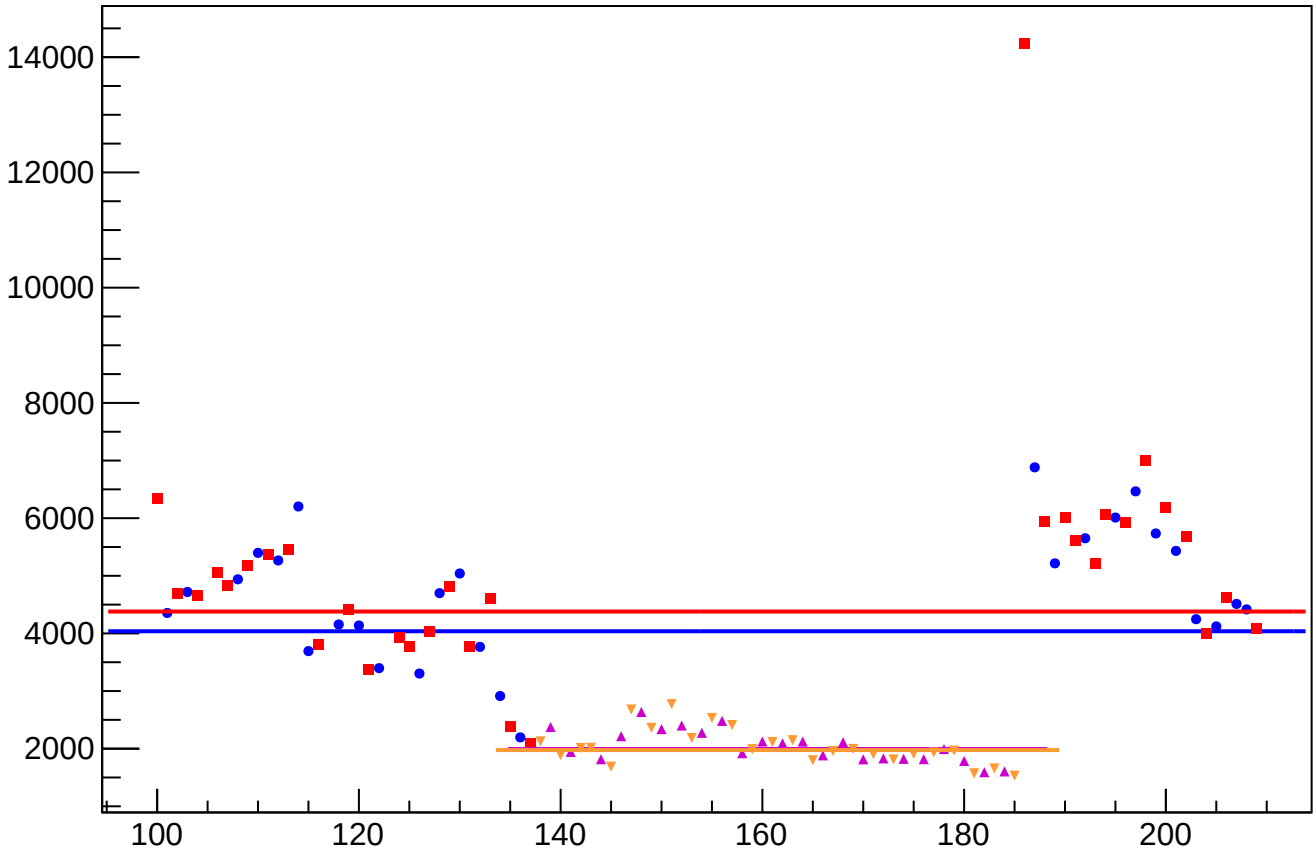
Left: -569.385+/-327.014 χ^2/NDF: 78.1/47

Right: -802.274+/-766.233 χ^2/NDF: 65.0/58

In: -579.958+/-430.461 χ^2/NDF:69.6/49

Out: -629.411+/-420.417 χ^2/NDF:73.6/56

All: -605.268+/-300.768 χ^2/NDF: 143.1/106



Right In: 4037.466+/-0.752 χ^2/NDF: 2667653.7/26

Left Out: 1975.967+/-0.321 χ^2/NDF:763328.1/24

Right Out: 4379.800+/-0.781 χ^2/NDF: 2870797.4/31

Left In: 1994.760+/-0.333 χ^2/NDF:599996.2/22

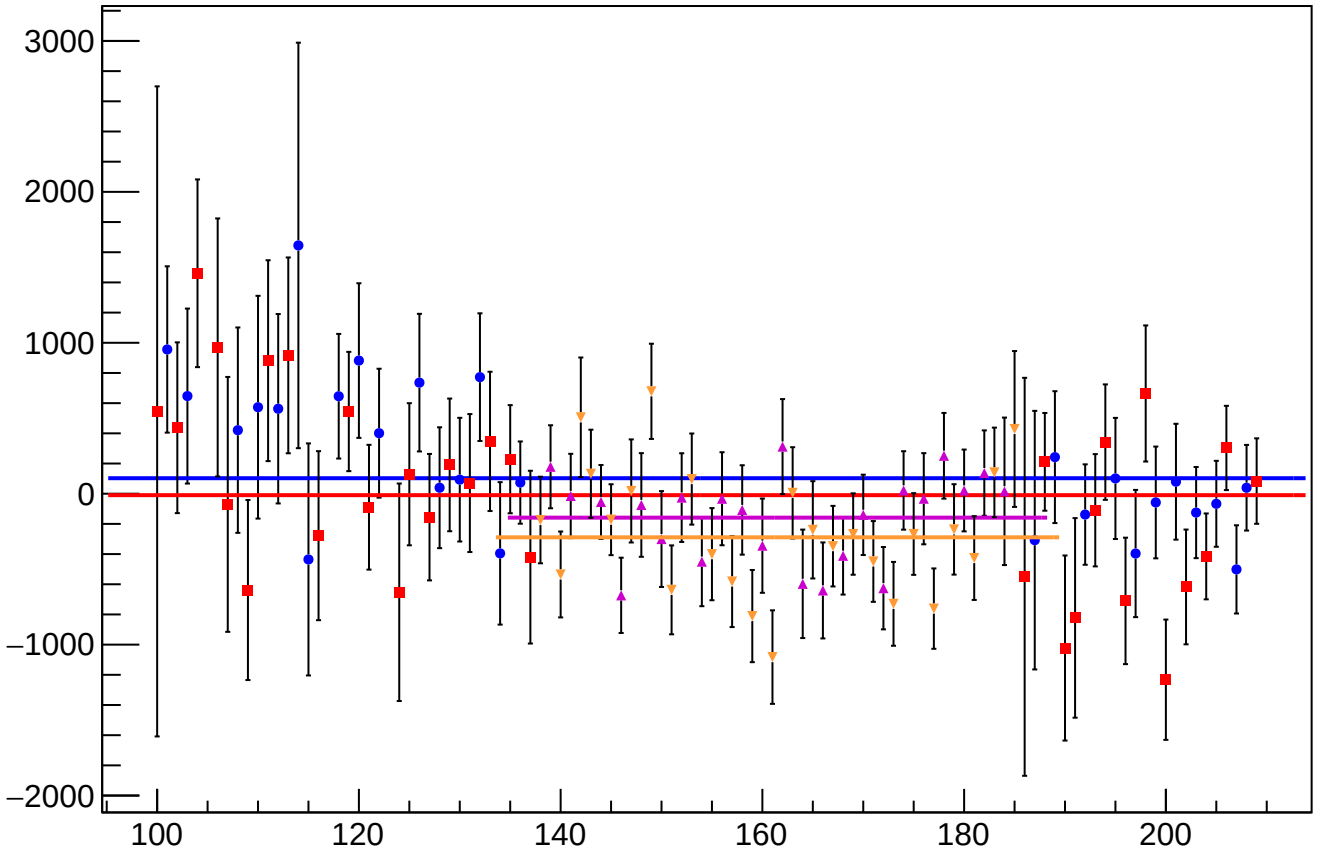
Left: 1985.038+/-0.231 χ^2/NDF: 1364973.6/47

Right: 4202.272+/-0.542 χ^2/NDF: 5638117.3/58

In: 2329.085+/-0.304 χ^2/NDF:9432400.7/49

Out: 2324.358+/-0.297 χ^2/NDF:11737043.9/56

All: 2326.666+/-0.213 χ^2/NDF: 21169568.0/1



Right In: 102.729+/-79.120 χ^2/NDF: 24.1/26

Left Out: -288.928+/-59.035 χ^2/NDF:42.4/24

Right Out: -9.654+/-79.098 χ^2/NDF: 43.8/31

Left In: -158.612+/-60.708 χ^2/NDF:22.5/22

Left: -225.590+/-42.323 χ^2/NDF: 67.3/47

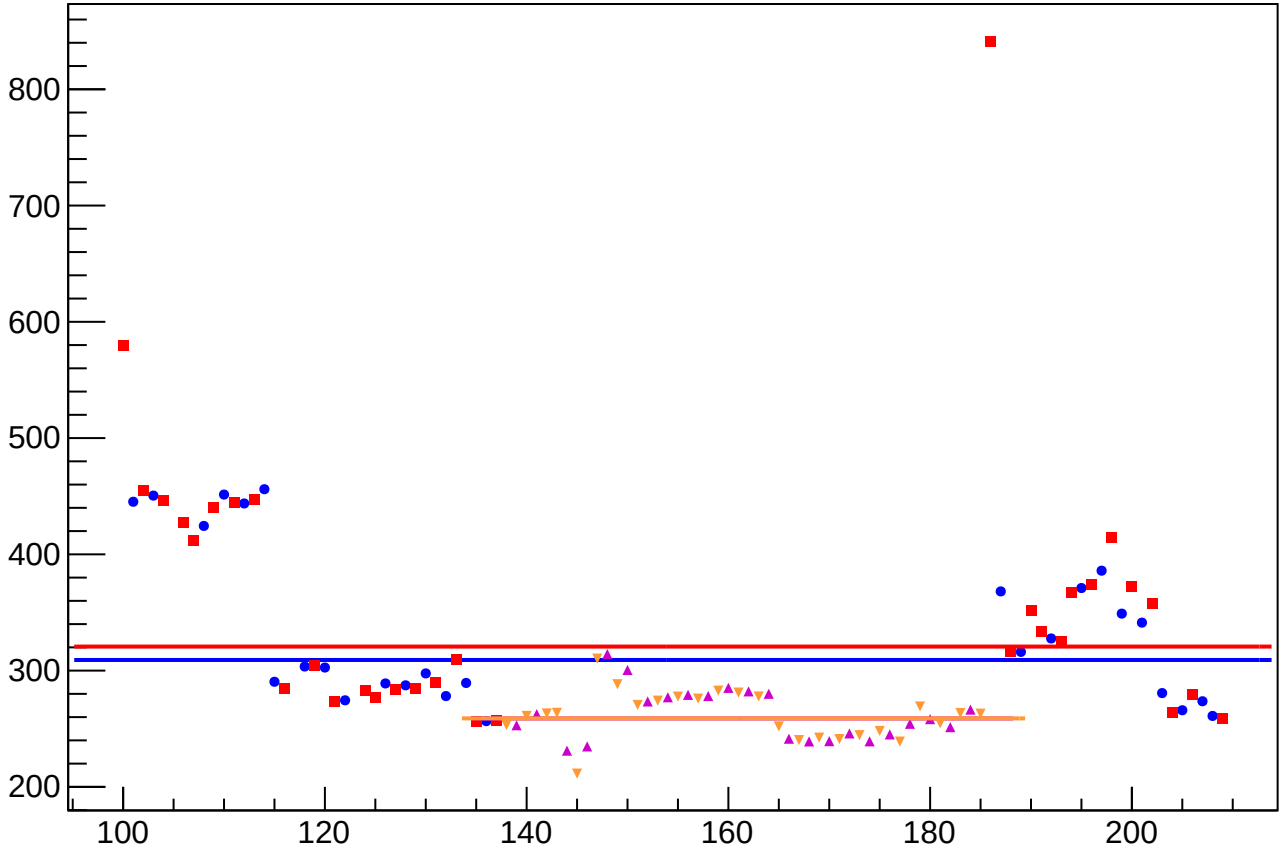
Right: 46.522+/-55.938 χ^2/NDF: 68.8/58

In: -61.768+/-48.163 χ^2/NDF:53.5/49

Out: -189.016+/-47.311 χ^2/NDF:94.2/56

All: -126.528+/-33.751 χ^2/NDF: 151.2/106

eigen_cor_asym_sam2_rms vs Slug, Sign Corrected



Right In: 309.152+/-0.056 χ^2/NDF: 922233.5/26

Left Out: 258.912+/-0.042 χ^2/NDF:248740.9/24

Right Out: 320.671+/-0.056 χ^2/NDF: 1431080.0/31

Left In: 258.843+/-0.043 χ^2/NDF:244953.3/22

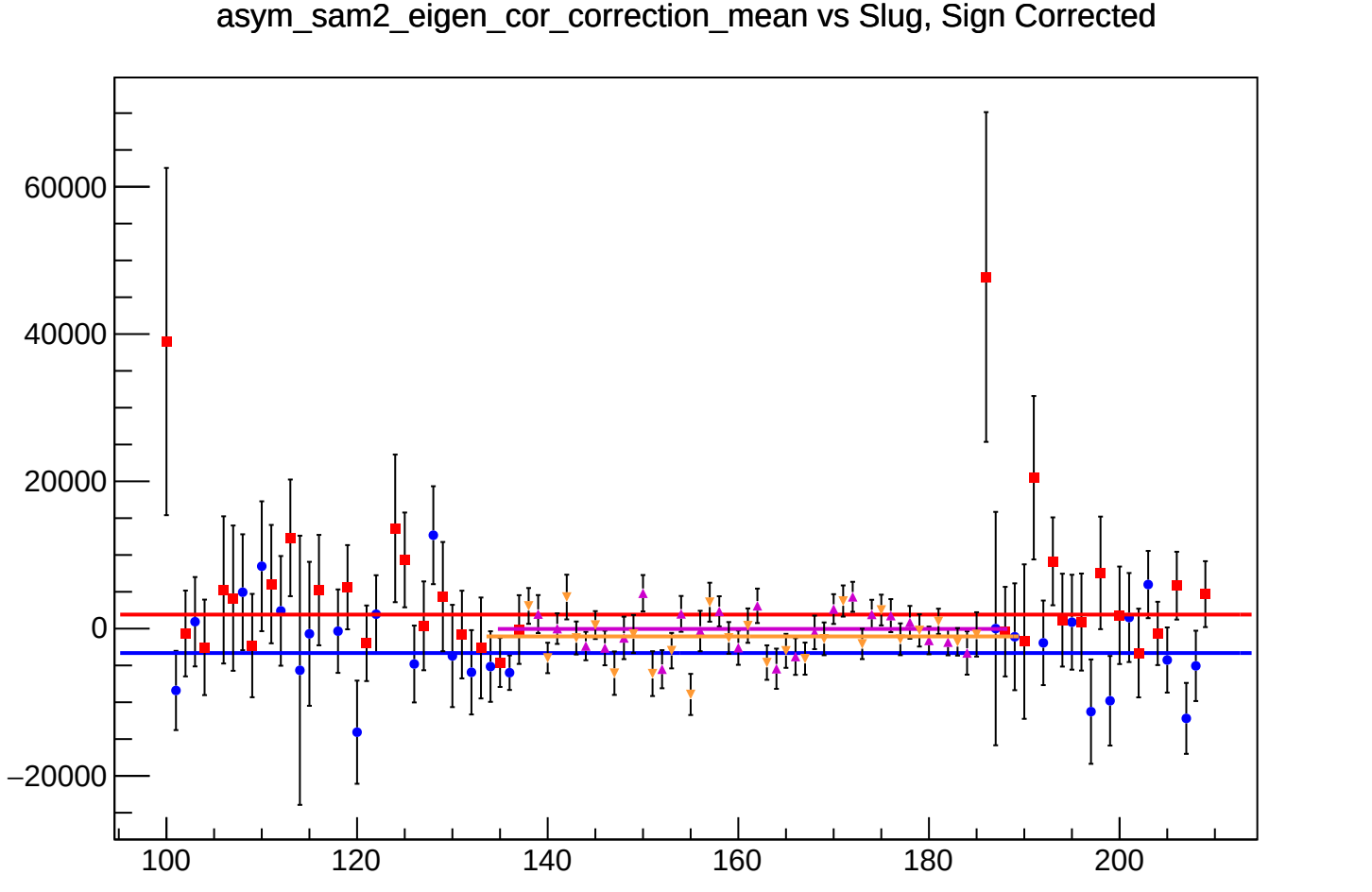
Left: 258.878+/-0.030 χ^2/NDF: 493695.6/47

Right: 314.913+/-0.040 χ^2/NDF: 2374516.1/58

In: 277.486+/-0.034 χ^2/NDF:1676172.5/49

Out: 281.007+/-0.033 χ^2/NDF:2462896.9/56

All: 279.278+/-0.024 χ^2/NDF: 4144508.7/106



Right In: -3316.895+/-1064.027 χ^2/NDF: 27.5/26

Left Out: -1059.232+/-454.653 χ^2/NDF:41.5/24

Right Out: 1906.454+/-1104.330 χ^2/NDF: 25.9/31

Left In: -44.348+/-470.700 χ^2/NDF:34.2/22

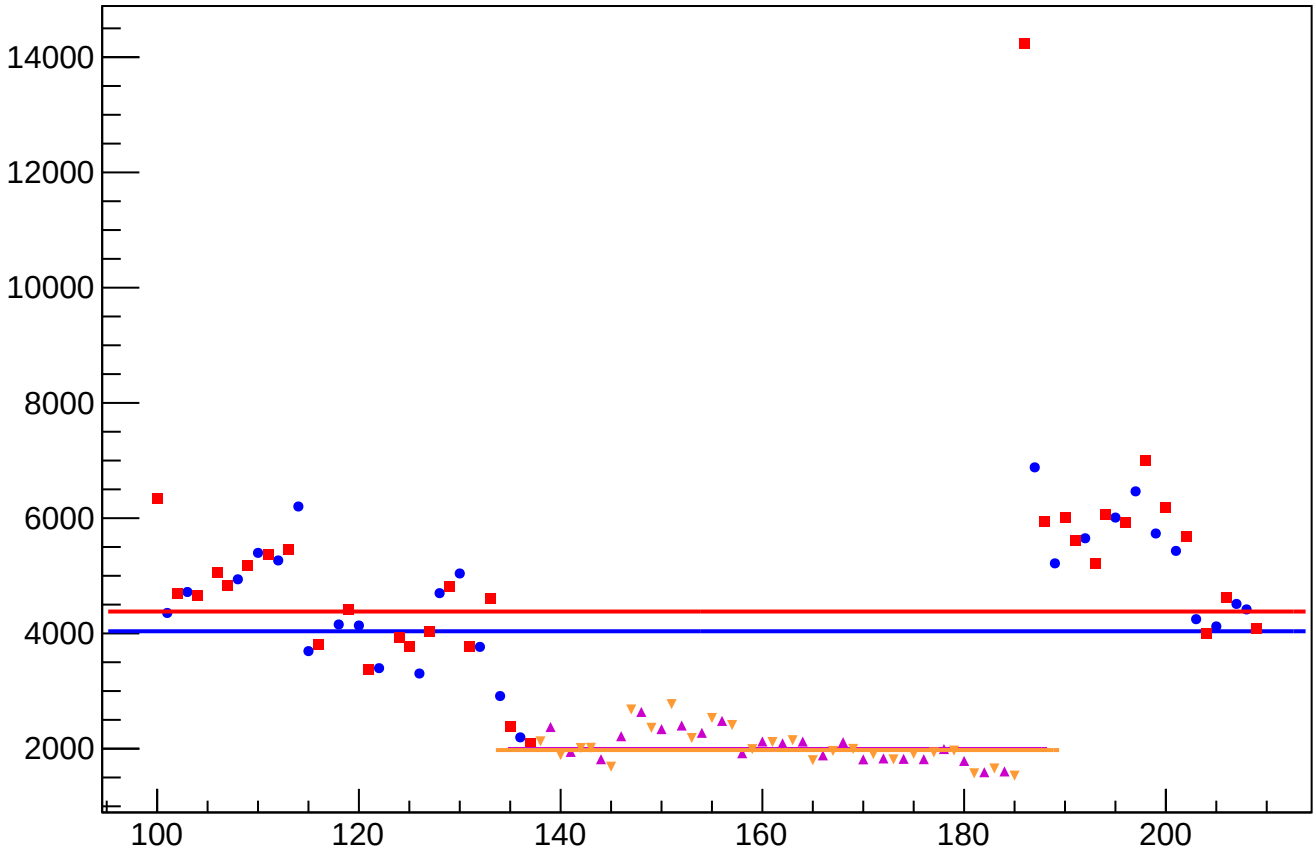
Left: -569.385+/-327.014 χ^2/NDF: 78.1/47

Right: -802.274+/-766.233 χ^2/NDF: 65.0/58

In: -579.958+/-430.461 χ^2/NDF:69.6/49

Out: -629.411+/-420.417 χ^2/NDF:73.6/56

All: -605.268+/-300.768 χ^2/NDF: 143.1/106



Right In: 4037.466+/-0.752 χ^2/NDF: 2667653.7/26

Left Out: 1975.967+/-0.321 χ^2/NDF:763328.1/24

Right Out: 4379.800+/-0.781 χ^2/NDF: 2870797.4/31

Left In: 1994.760+/-0.333 χ^2/NDF:599996.2/22

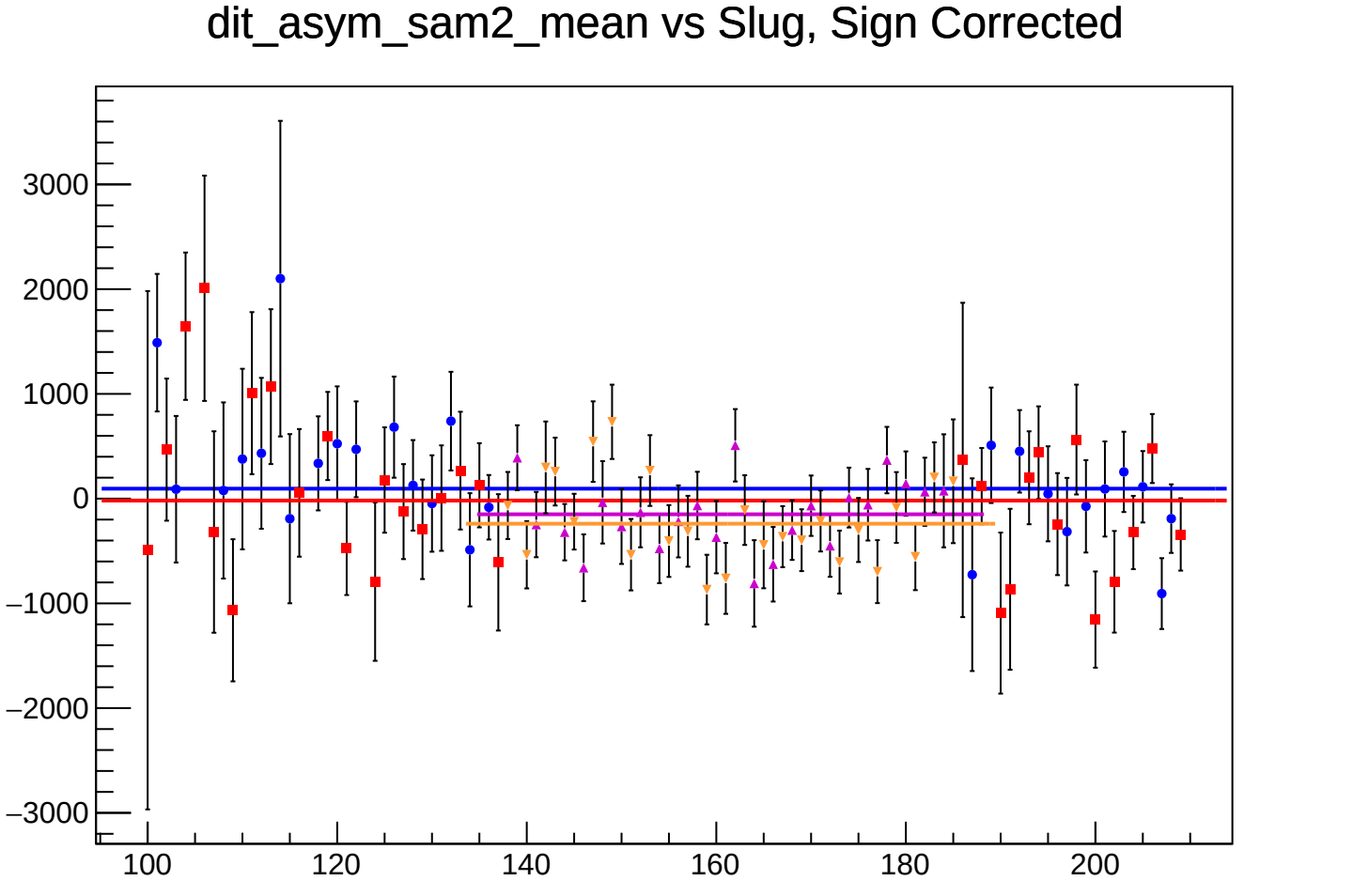
Left: 1985.038+/-0.231 χ^2/NDF: 1364973.6/47

Right: 4202.272+/-0.542 χ^2/NDF: 5638117.3/58

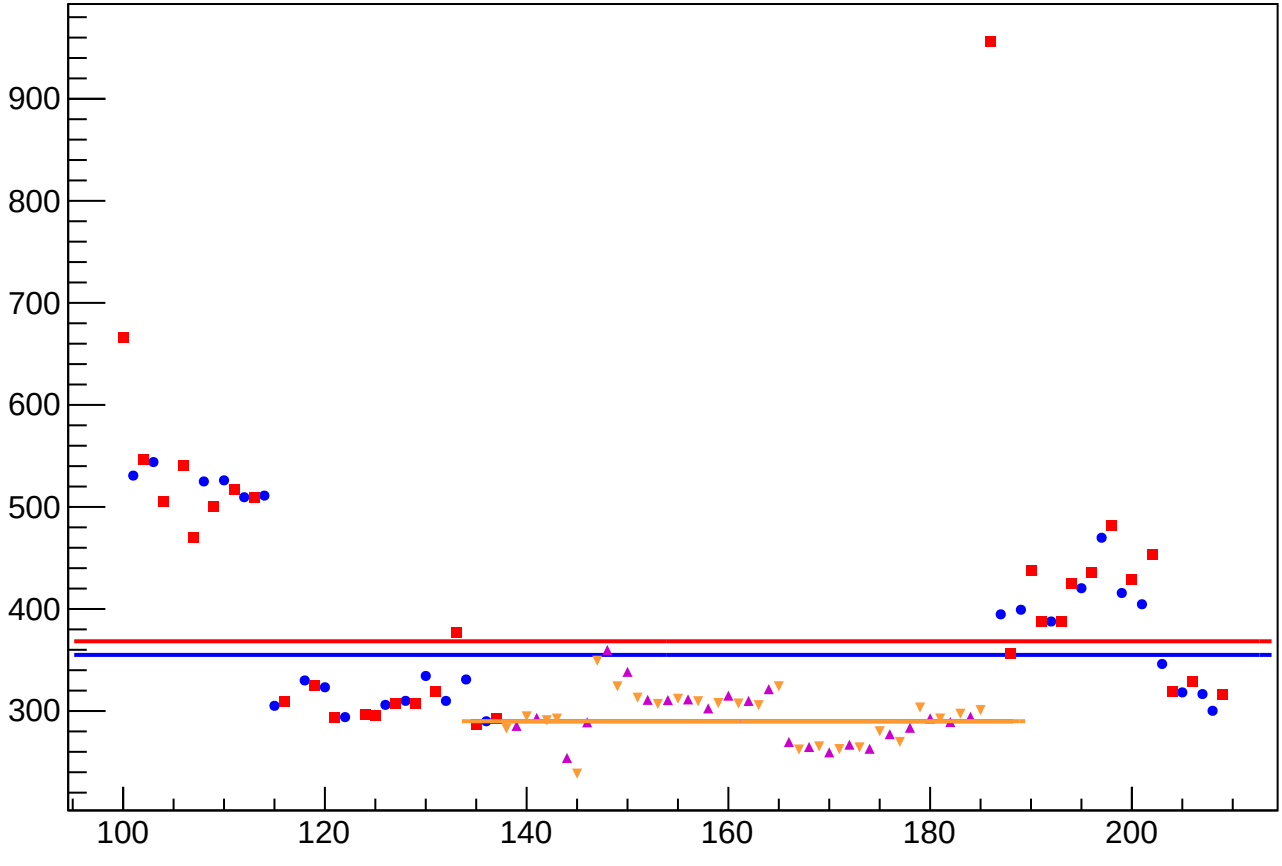
In: 2329.085+/-0.304 χ^2/NDF:9432400.7/49

Out: 2324.358+/-0.297 χ^2/NDF:11737043.9/56

All: 2326.666+/-0.213 χ^2/NDF: 21169568.0/1


dit_asym_sam2_mean vs Slug, Sign Corrected
3000
2000
1000
0
−1000
−2000
−3000
100
120
140
160
180
200
Right In: 95.058+/-91.299 χ²/NDF: 26.0/26
Left Out: -239.549+/-66.167 χ²/NDF:34.0/24
Right Out: -18.187+/-91.218 χ²/NDF: 40.8/31
Left In: -149.516+/-68.160 χ²/NDF:21.7/22
Left: -195.868+/-47.476 χ²/NDF: 56.6/47
Right: 38.386+/-64.529 χ²/NDF: 67.6/58
In: -61.988+/-54.618 χ²/NDF:52.3/49
Out: -163.231+/-53.560 χ²/NDF:78.7/56
All: -113.599+/-38.241 χ²/NDF: 132.7/106

dit_asym_sam2_rms vs Slug, Sign Corrected



Right In: 355.000+/-0.065 χ^2/NDF: 1116862.8/26

Left Out: 290.023+/-0.047 χ^2/NDF:280647.1/24

Right Out: 368.350+/-0.065 χ^2/NDF: 1597398.1/31

Left In: 289.941+/-0.048 χ^2/NDF:269669.5/22

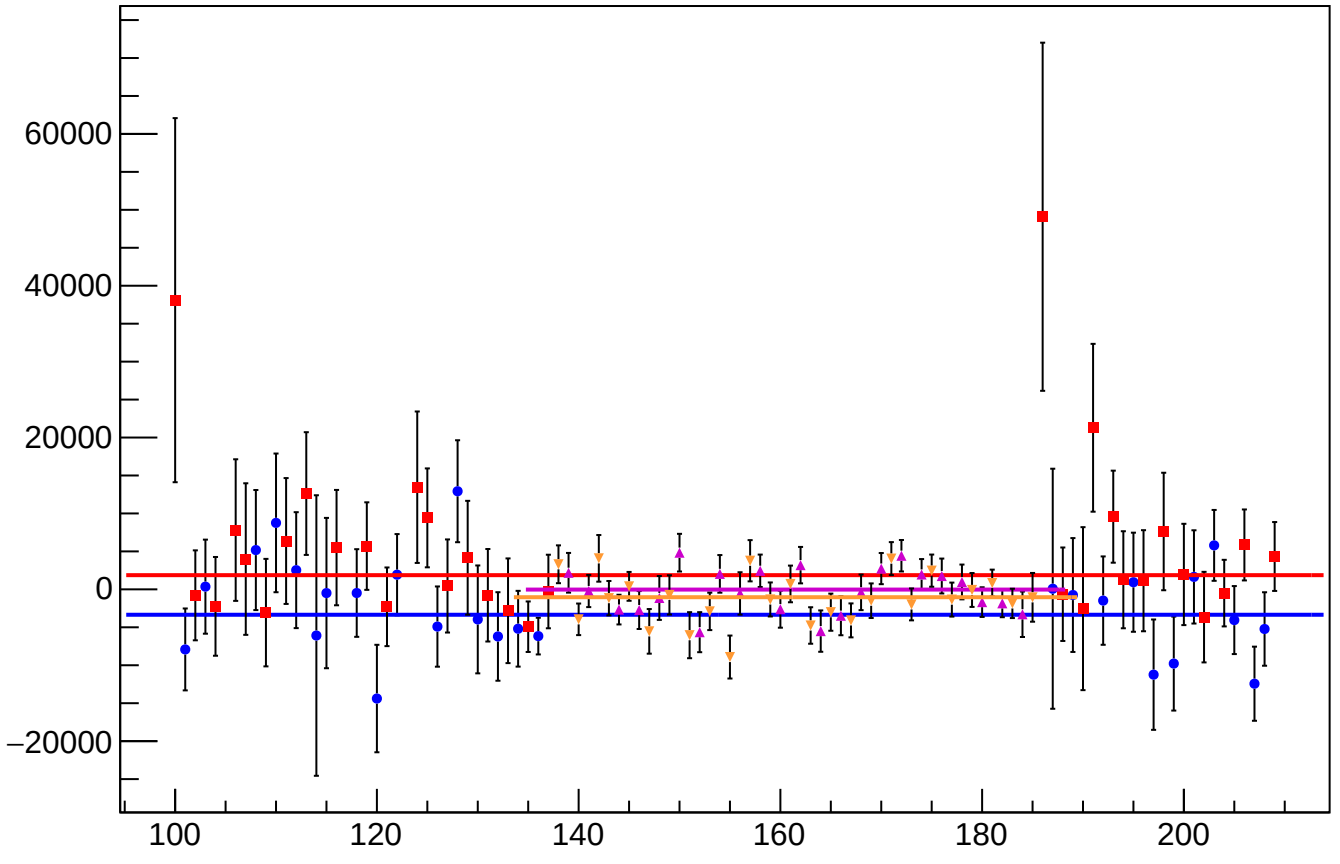
Left: 289.983+/-0.034 χ^2/NDF: 550318.1/47

Right: 361.681+/-0.046 χ^2/NDF: 2735659.5/58

In: 313.224+/-0.039 χ^2/NDF:2038652.5/49

Out: 317.027+/-0.038 χ^2/NDF:2844286.9/56

All: 315.163+/-0.027 χ^2/NDF: 4887881.2/106



Right In: -3347.337+/-1085.544 χ^2/NDF: 27.1/26

Left Out: -1036.592+/-465.324 χ^2/NDF:40.3/24

Right Out: 1868.451+/-1116.899 χ^2/NDF: 27.1/31

Left In: -30.393+/-482.280 χ^2/NDF:34.1/22

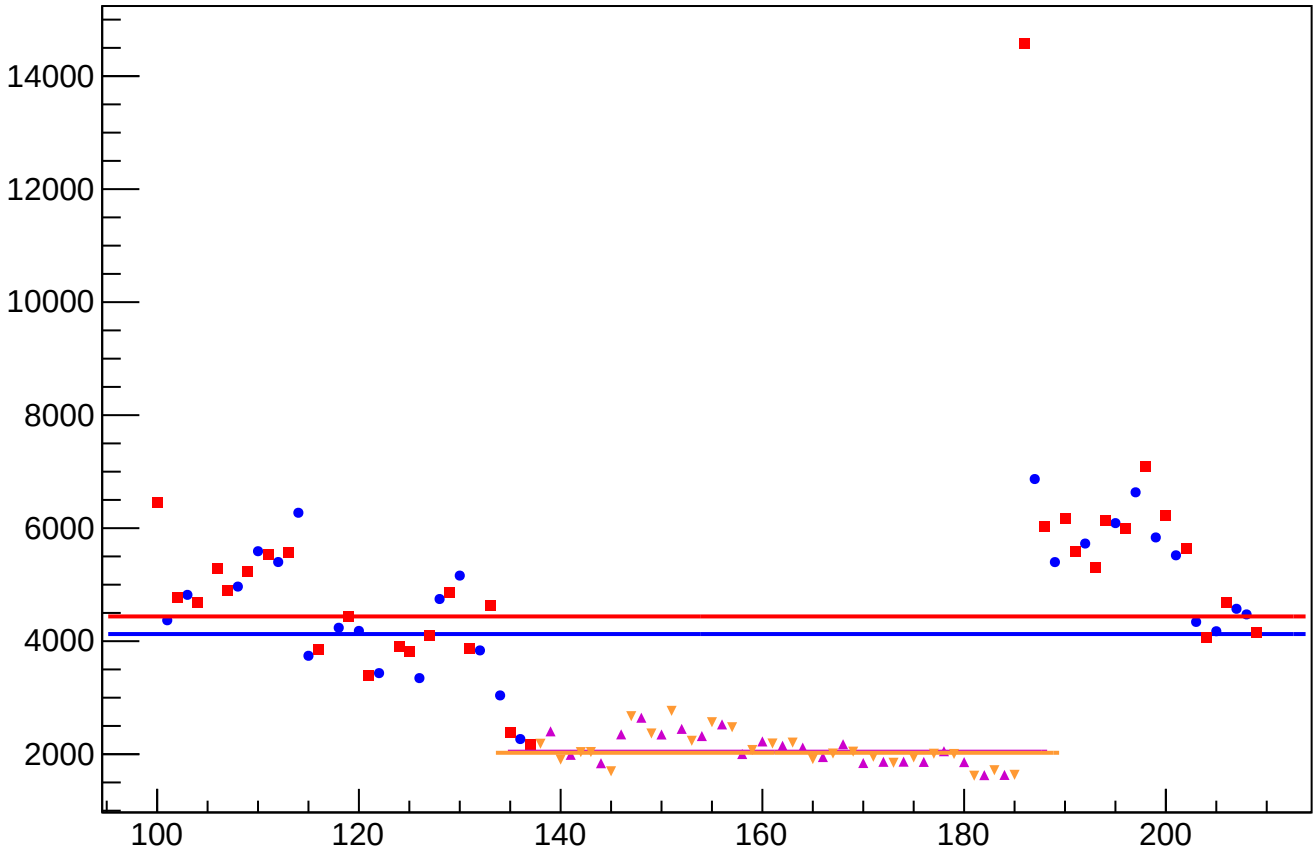
Left: -551.492+/-334.868 χ^2/NDF: 76.7/47

Right: -813.681+/-778.445 χ^2/NDF: 65.4/58

In: -577.170+/-440.741 χ^2/NDF:69.0/49

Out: -606.932+/-429.536 χ^2/NDF:73.1/56

All: -592.434+/-307.613 χ^2/NDF: 142.2/106



Right In: 4126.267+/-0.768 χ^2/NDF: 2582838.0/26

Left Out: 2025.085+/-0.329 χ^2/NDF:700821.6/24

Right Out: 4437.960+/-0.790 χ^2/NDF: 2868284.7/31

Left In: 2044.523+/-0.341 χ^2/NDF:584918.7/22

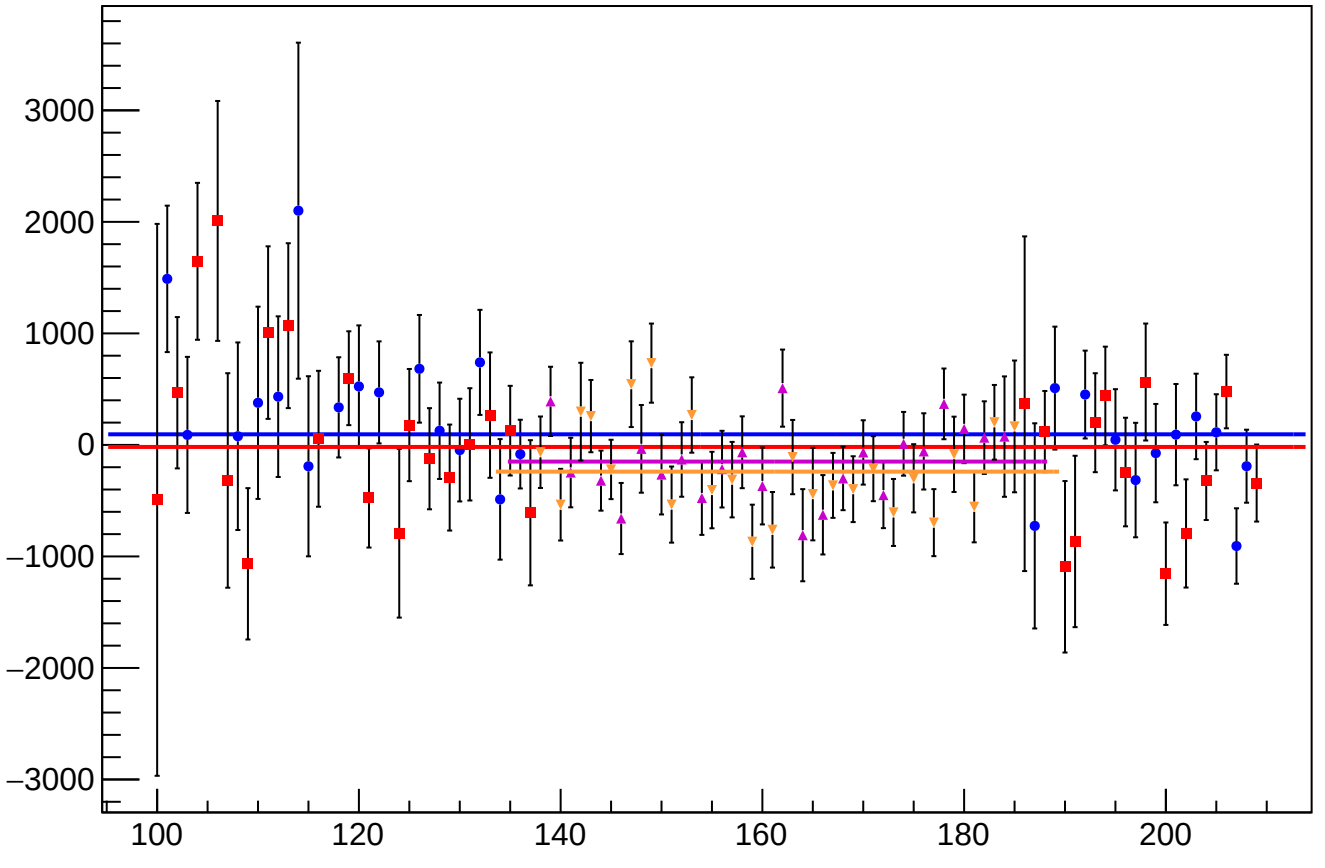
Left: 2034.456+/-0.237 χ^2/NDF: 1287422.7/47

Right: 4277.677+/-0.550 χ^2/NDF: 5531219.8/58

In: 2387.685+/-0.312 χ^2/NDF:9310432.0/49

Out: 2381.953+/-0.304 χ^2/NDF:11522673.3/56

All: 2384.745+/-0.218 χ^2/NDF: 20833278.9/1



Right In: 95.064+/-91.299 χ^2/NDF: 26.0/26

Left Out: -239.552+/-66.167 χ^2/NDF:34.0/24

Right Out: -18.186+/-91.218 χ^2/NDF: 40.8/31

Left In: -149.517+/-68.160 χ^2/NDF:21.7/22

Left: -195.870+/-47.476 χ^2/NDF: 56.6/47

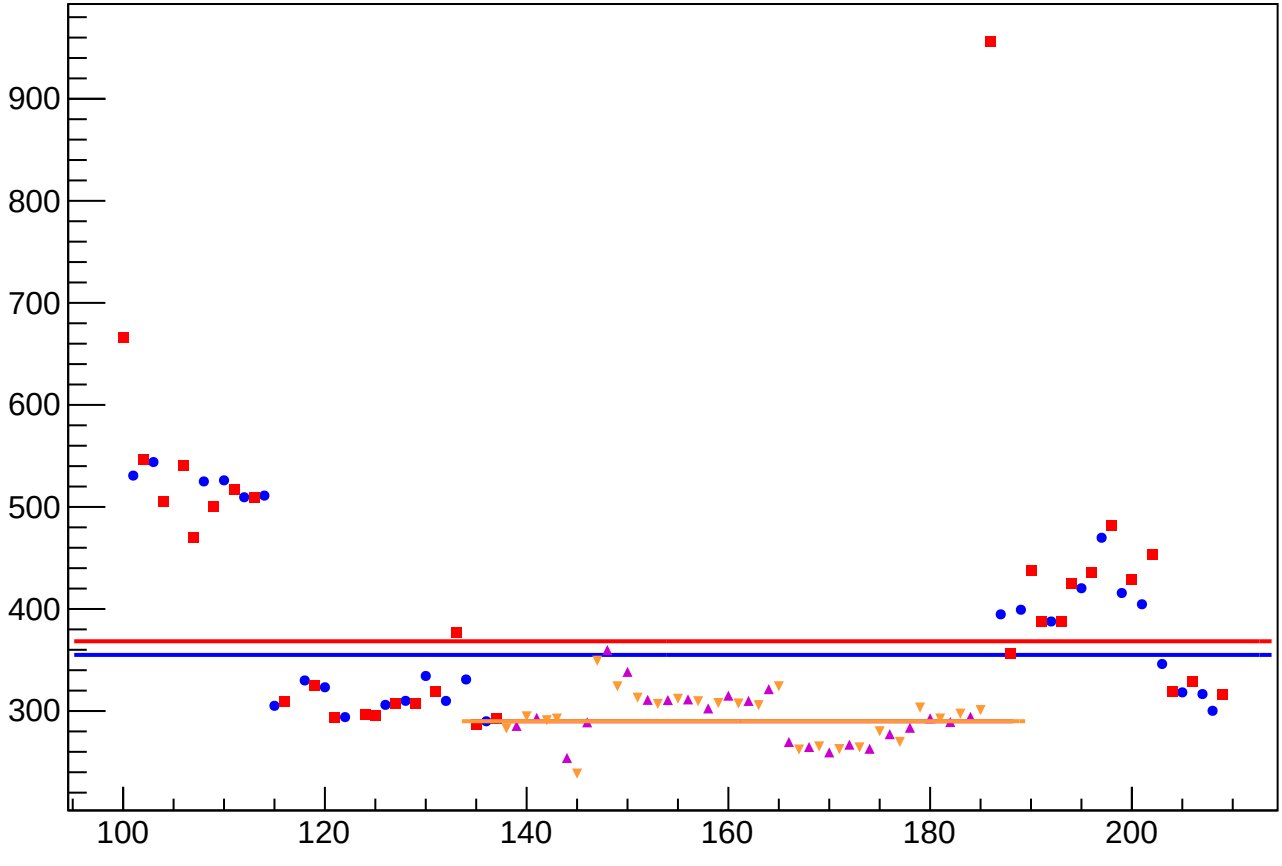
Right: 38.389+/-64.529 χ^2/NDF: 67.6/58

In: -61.986+/-54.618 χ^2/NDF:52.3/49

Out: -163.233+/-53.560 χ^2/NDF:78.7/56

All: -113.600+/-38.241 χ^2/NDF: 132.7/106

eigen_dit_asym_sam2_rms vs Slug, Sign Corrected



Right In: 354.999+/-0.065 χ^2/NDF: 1116857.0/26

Left Out: 290.023+/-0.047 χ^2/NDF:280652.8/24

Right Out: 368.349+/-0.065 χ^2/NDF: 1597387.8/31

Left In: 289.941+/-0.048 χ^2/NDF:269671.9/22

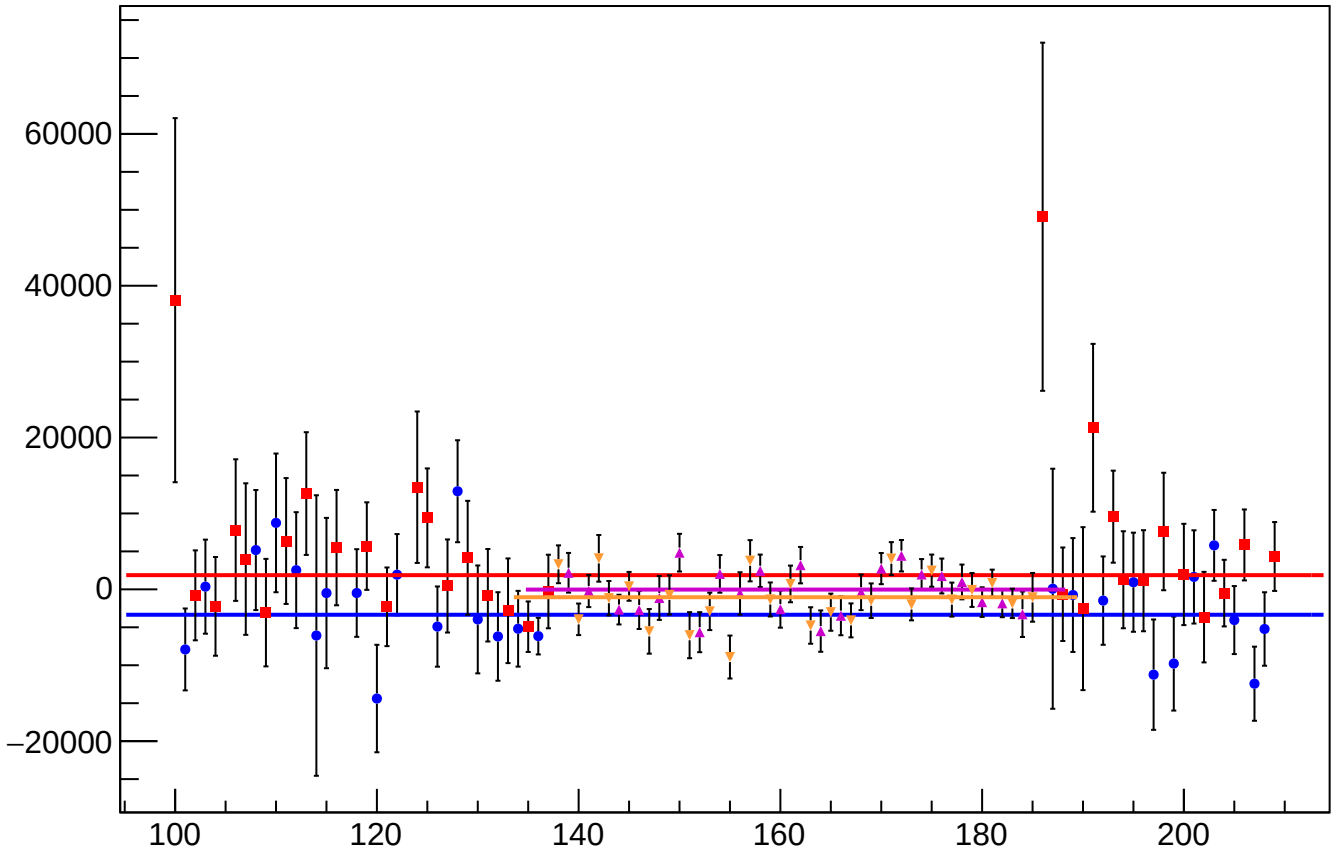
Left: 289.983+/-0.034 χ^2/NDF: 550326.2/47

Right: 361.680+/-0.046 χ^2/NDF: 2735645.0/58

In: 313.224+/-0.039 χ^2/NDF:2038633.5/49

Out: 317.027+/-0.038 χ^2/NDF:2844272.5/56

All: 315.163+/-0.027 χ^2/NDF: 4887848.4/106



Right In: -3347.332+/-1085.544 χ^2/NDF: 27.1/26

Left Out: -1036.591+/-465.324 χ^2/NDF:40.3/24

Right Out: 1868.453+/-1116.898 χ^2/NDF: 27.1/31

Left In: -30.392+/-482.280 χ^2/NDF:34.1/22

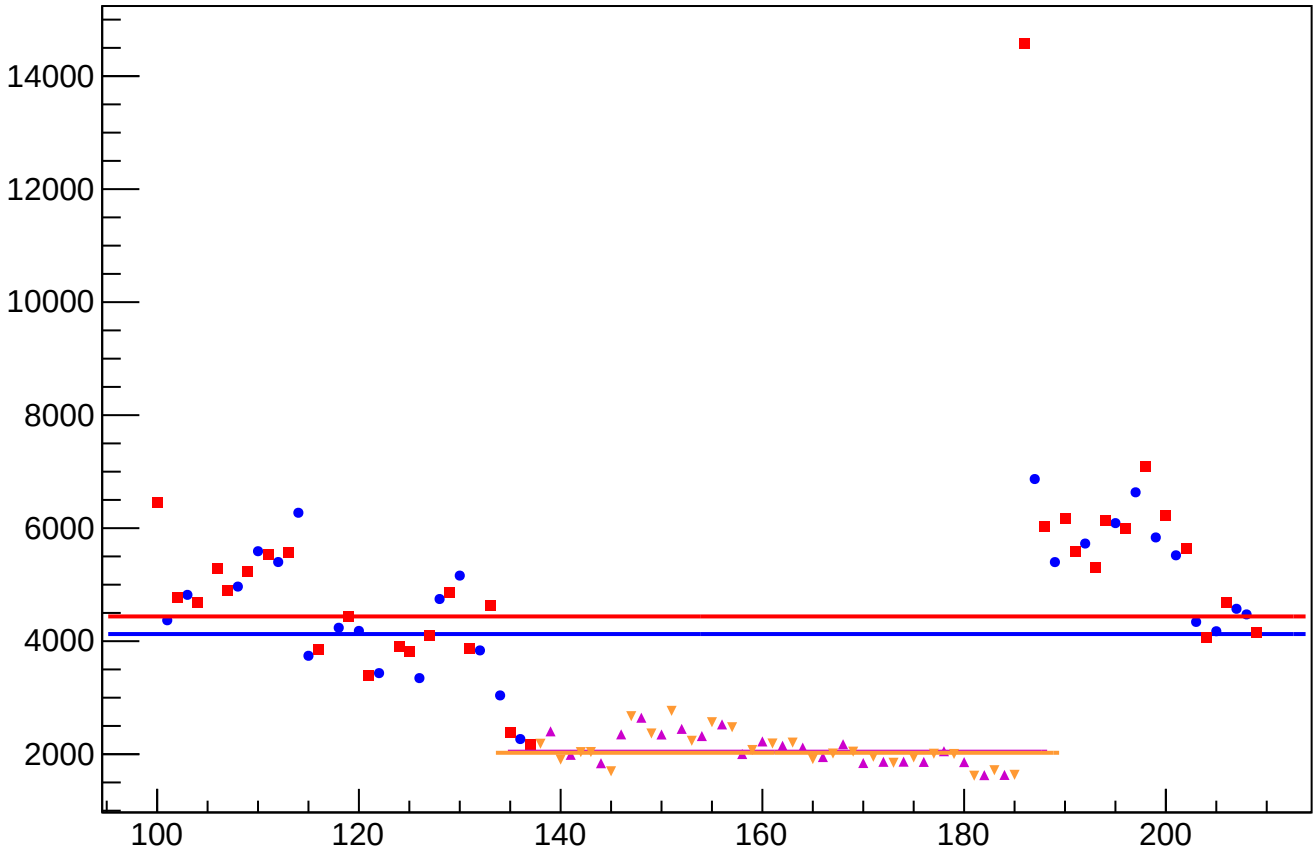
Left: -551.491+/-334.868 χ^2/NDF: 76.7/47

Right: -813.677+/-778.444 χ^2/NDF: 65.4/58

In: -577.169+/-440.741 χ^2/NDF:69.0/49

Out: -606.930+/-429.537 χ^2/NDF:73.1/56

All: -592.433+/-307.613 χ^2/NDF: 142.2/106



Right In: 4126.265+/-0.768 χ^2/NDF: 2582829.4/26

Left Out: 2025.085+/-0.329 χ^2/NDF:700825.4/24

Right Out: 4437.958+/-0.790 χ^2/NDF: 2868280.2/31

Left In: 2044.522+/-0.341 χ^2/NDF:584922.7/22

Left: 2034.456+/-0.237 χ^2/NDF: 1287430.5/47

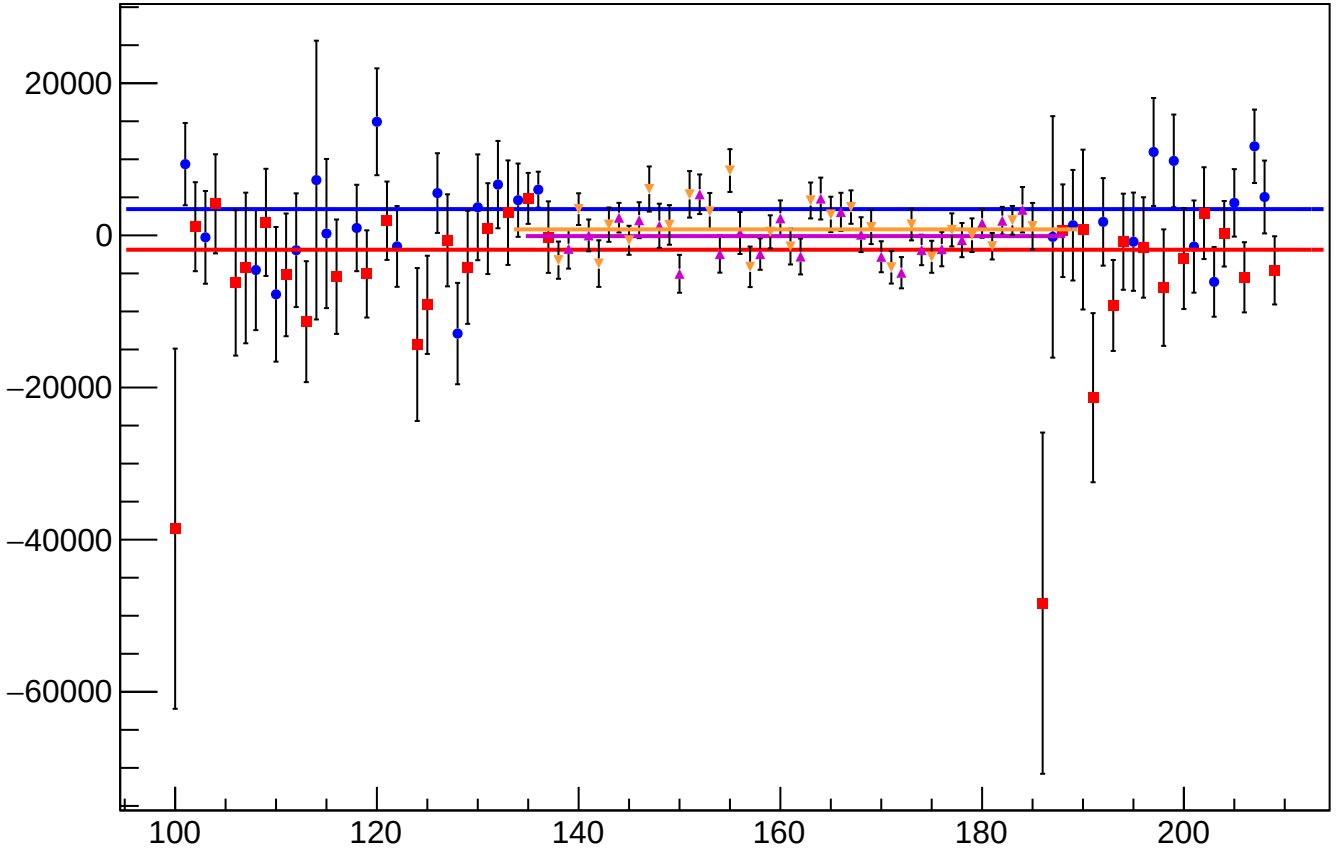
Right: 4277.675+/-0.550 χ^2/NDF: 5531206.7/58

In: 2387.684+/-0.312 χ^2/NDF:9310423.0/49

Out: 2381.953+/-0.304 χ^2/NDF:11522662.8/56

All: 2384.745+/-0.218 χ^2/NDF: 20833259.3/1

asym_sam2_mean vs Slug, Sign Corrected



Right In: 3453.155+/-1068.010 χ^2/NDF: 27.3/26

Left Out: 788.321+/-458.726 χ^2/NDF:41.3/24

Right Out: -1886.733+/-1107.187 χ^2/NDF: 26.0/31

Left In: -96.730+/-474.825 χ^2/NDF:32.8/22

Left: 361.054+/-329.913 χ^2/NDF: 76.0/47

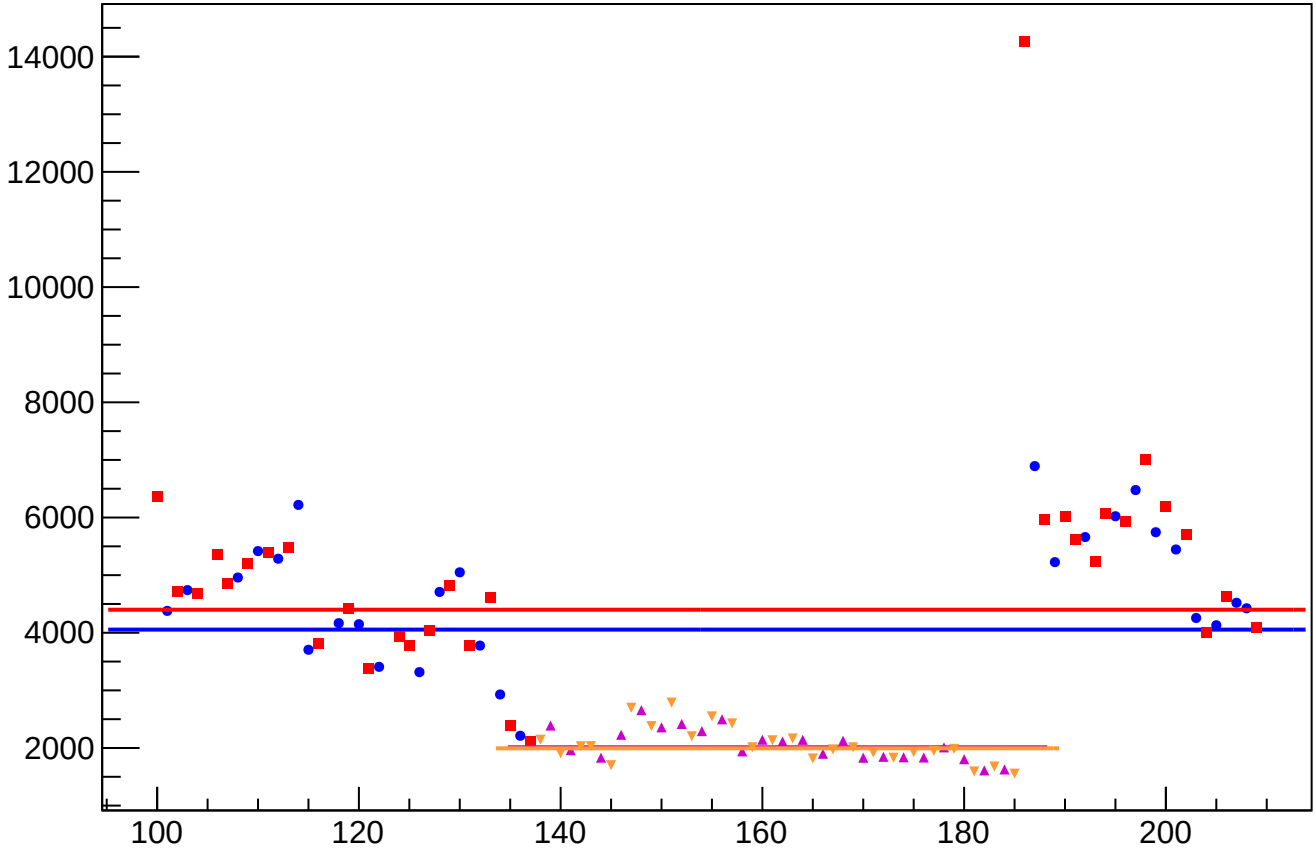
Right: 879.354+/-768.674 χ^2/NDF: 65.3/58

In: 489.135+/-433.878 χ^2/NDF:69.4/49

Out: 396.402+/-423.792 χ^2/NDF:72.3/56

All: 441.678+/-303.169 χ^2/NDF: 141.7/106

asym_sam2_rms vs Slug, Sign Corrected



Right In: 4054.792+/-0.755 χ^2/NDF: 2637807.0/26

Left Out: 1994.246+/-0.324 χ^2/NDF:746498.4/24

Right Out: 4400.023+/-0.783 χ^2/NDF: 2859591.7/31

Left In: 2012.692+/-0.336 χ^2/NDF:587260.9/22

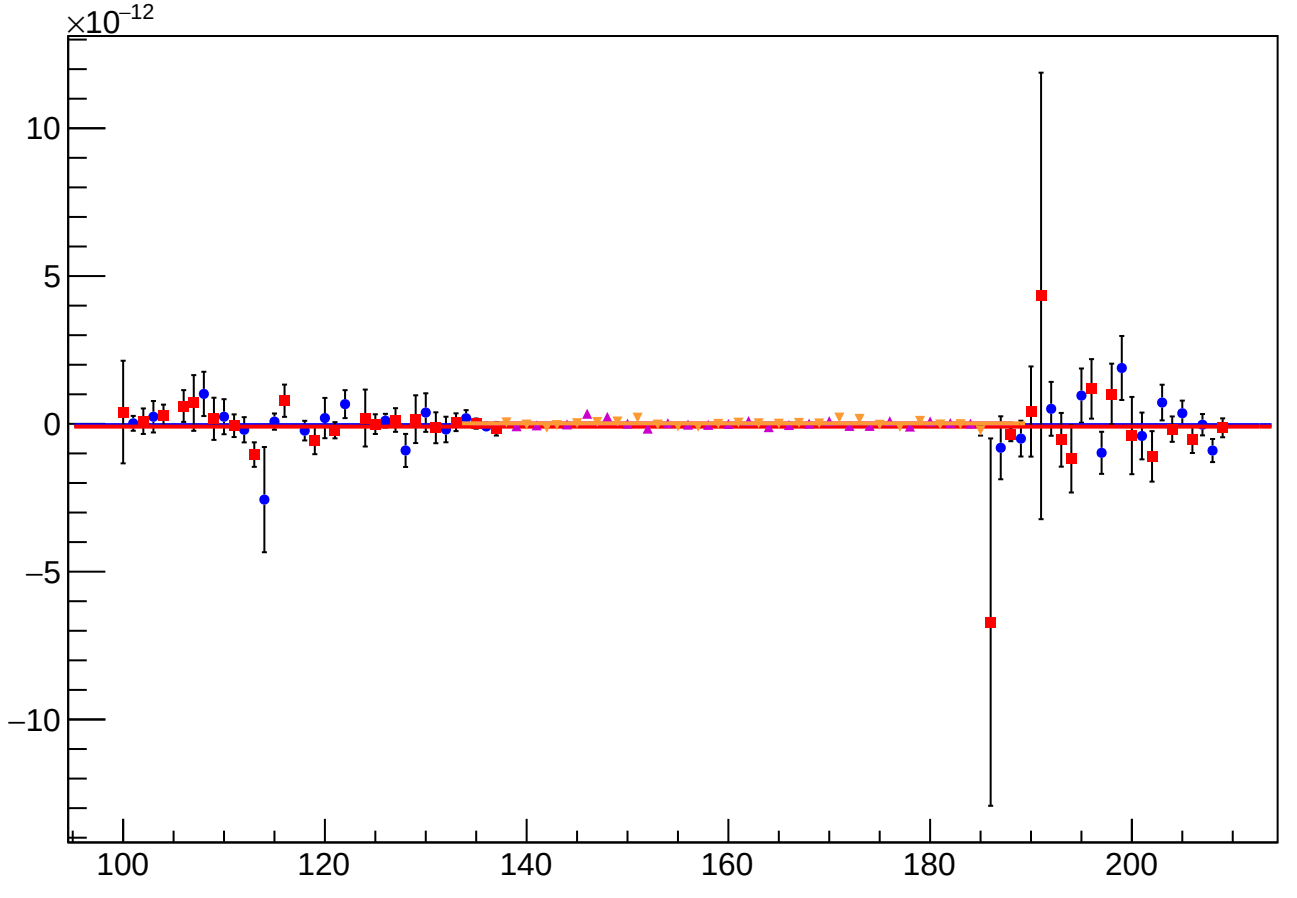
Left: 2003.151+/-0.233 χ^2/NDF: 1335320.5/47

Right: 4221.192+/-0.544 χ^2/NDF: 5598124.9/58

In: 2349.715+/-0.307 χ^2/NDF:9330268.7/49

Out: 2346.713+/-0.300 χ^2/NDF:11665407.3/56

All: 2348.179+/-0.214 χ^2/NDF: 20995725.0/1



Right In: -0.000+/-0.000 χ^2/NDF: 27.1/26

Left Out: 0.000+/-0.000 χ^2/NDF:21.2/24

Right Out: -0.000+/-0.000 χ^2/NDF: 23.2/31

Left In: 0.000+/-0.000 χ^2/NDF:30.6/22

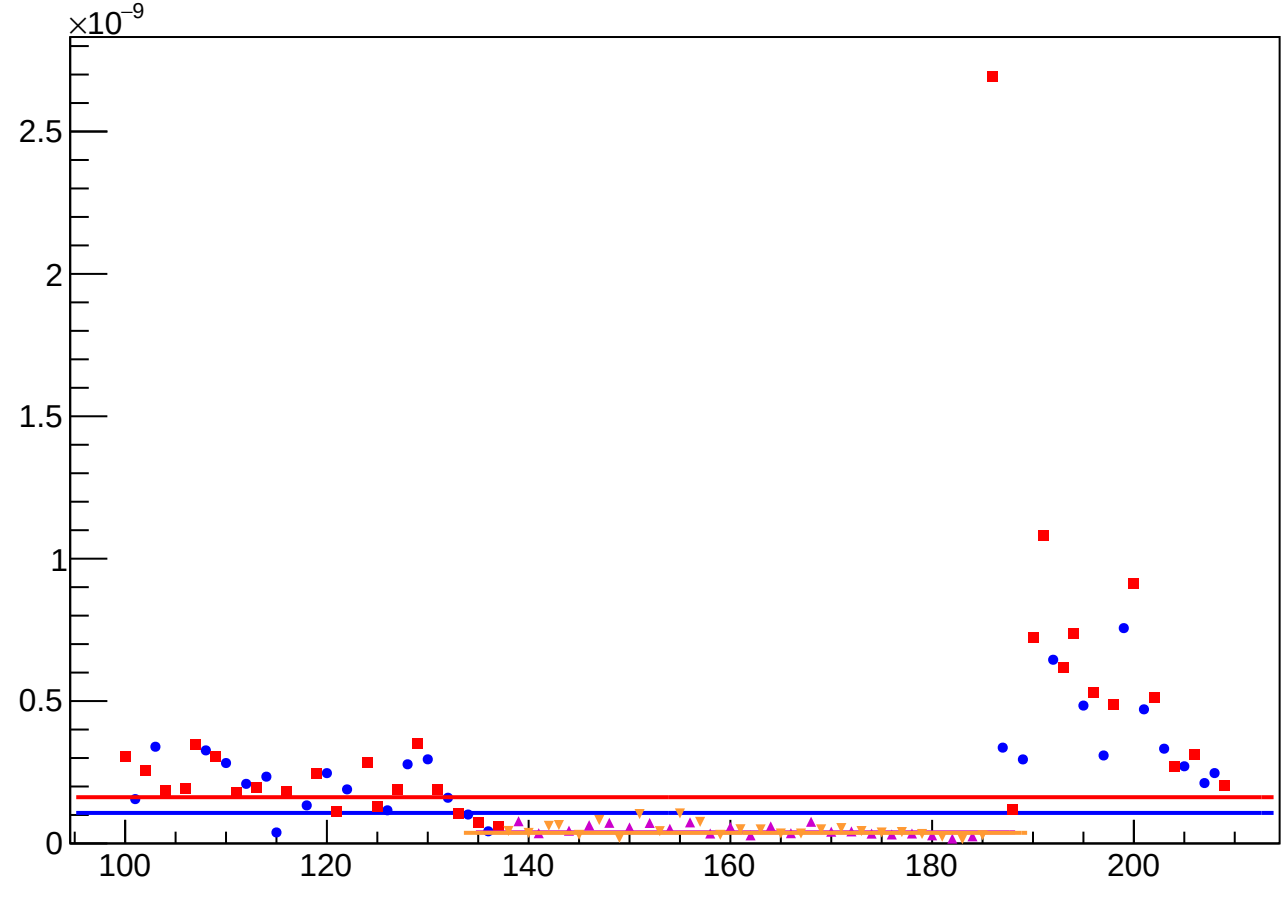
Left: 0.000+/-0.000 χ^2/NDF: 51.9/47

Right: -0.000+/-0.000 χ^2/NDF: 50.5/58

In: 0.000+/-0.000 χ^2/NDF:58.6/49

Out: 0.000+/-0.000 χ^2/NDF:46.5/56

All: 0.000+/-0.000 χ^2/NDF: 105.2/106



Right In: 0.000+/-0.000 χ^2/NDF: 6642610.8/26

Left Out: 0.000+/-0.000 χ^2/NDF:2323330.9/24

Right Out: 0.000+/-0.000 χ^2/NDF: 5151303.5/31

Left In: 0.000+/-0.000 χ^2/NDF:1921481.4/22

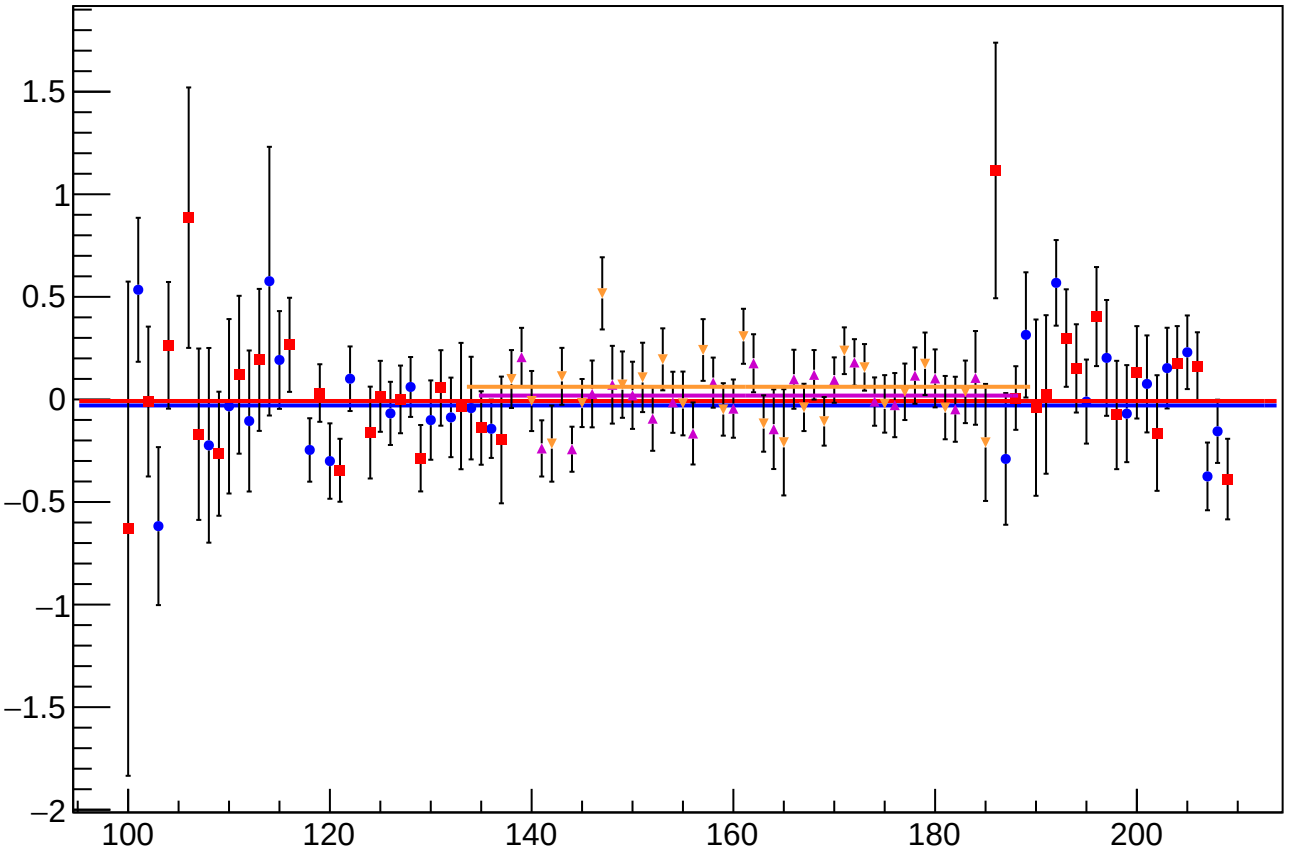
Left: 0.000+/-0.000 χ^2/NDF: 4258987.4/47

Right: 0.000+/-0.000 χ^2/NDF: 12492695.0/58

In: 0.000+/-0.000 χ^2/NDF:11178079.2/49

Out: 0.000+/-0.000 χ^2/NDF:12989008.5/56

All: 0.000+/-0.000 χ^2/NDF: 24181100.7/106



Right In: -0.029+/-0.040 χ^2/NDF: 32.0/26

Left Out: 0.062+/-0.029 χ^2/NDF:27.4/24

Right Out: -0.008+/-0.040 χ^2/NDF: 30.1/31

Left In: 0.019+/-0.029 χ^2/NDF:20.3/22

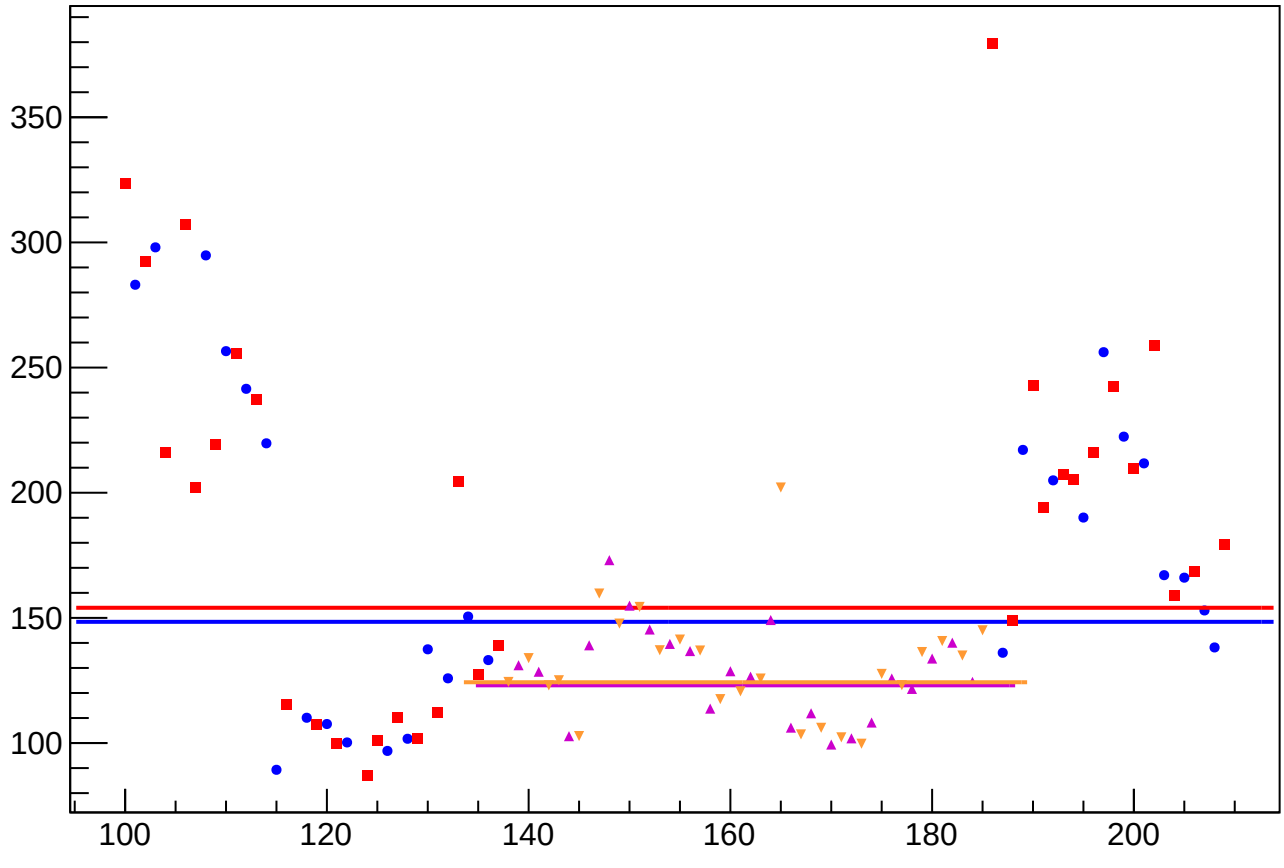
Left: 0.041+/-0.021 χ^2/NDF: 48.8/47

Right: -0.018+/-0.028 χ^2/NDF: 62.3/58

In: 0.002+/-0.024 χ^2/NDF:53.3/49

Out: 0.038+/-0.023 χ^2/NDF:59.5/56

All: 0.020+/-0.017 χ^2/NDF: 114.0/106



Right In: 148.428+/-0.028 χ^2/NDF: 3116633.5/26

Left Out: 124.292+/-0.020 χ^2/NDF:840983.3/24

Right Out: 154.044+/-0.028 χ^2/NDF: 3734741.5/31

Left In: 123.062+/-0.021 χ^2/NDF:718821.1/22

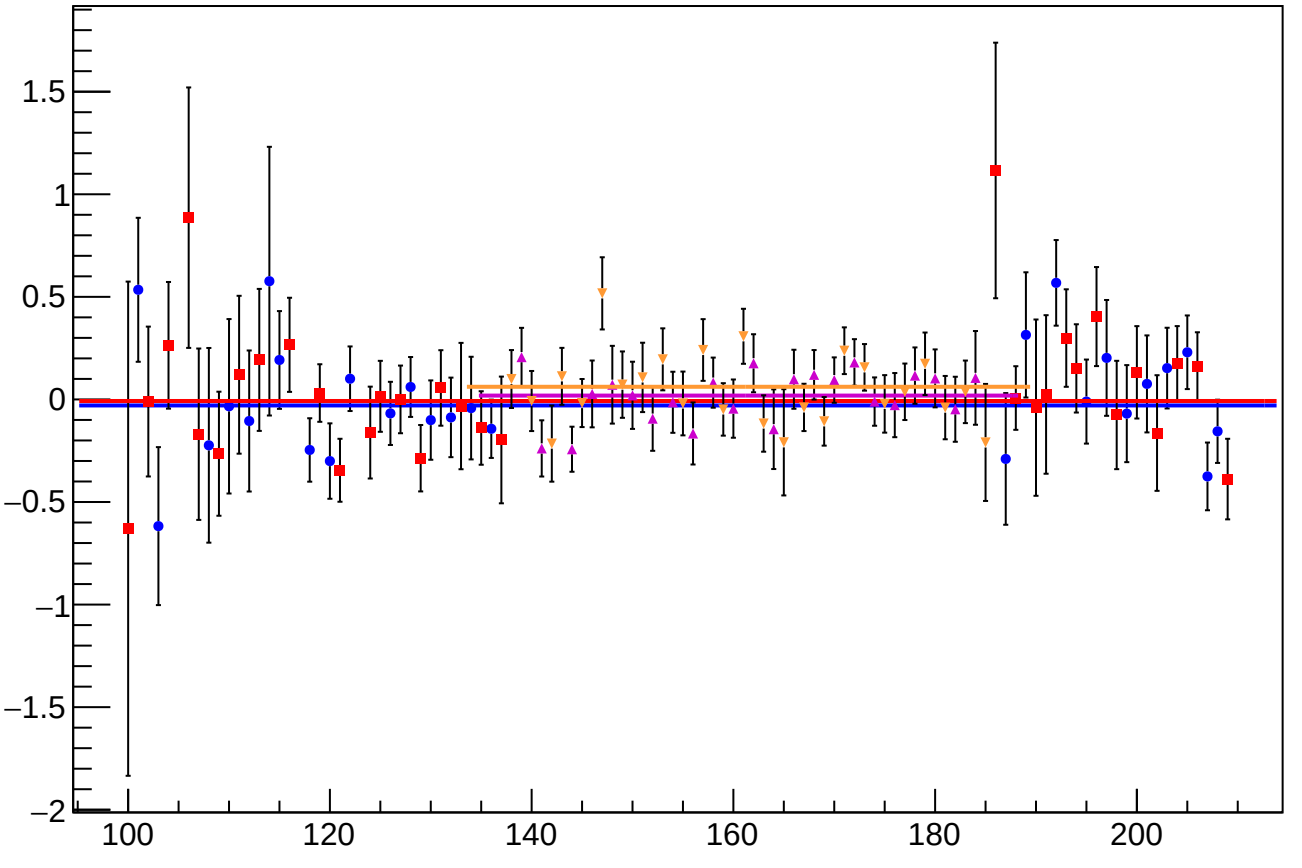
Left: 123.690+/-0.015 χ^2/NDF: 1561601.6/47

Right: 151.240+/-0.020 χ^2/NDF: 6871098.7/58

In: 131.926+/-0.017 χ^2/NDF:4358188.4/49

Out: 134.410+/-0.016 χ^2/NDF:5307604.1/56

All: 133.187+/-0.012 χ^2/NDF: 9676986.2/106



Right In: -0.029+/-0.040 χ^2/NDF: 32.0/26

Left Out: 0.062+/-0.029 χ^2/NDF:27.4/24

Right Out: -0.008+/-0.040 χ^2/NDF: 30.1/31

Left In: 0.019+/-0.029 χ^2/NDF:20.3/22

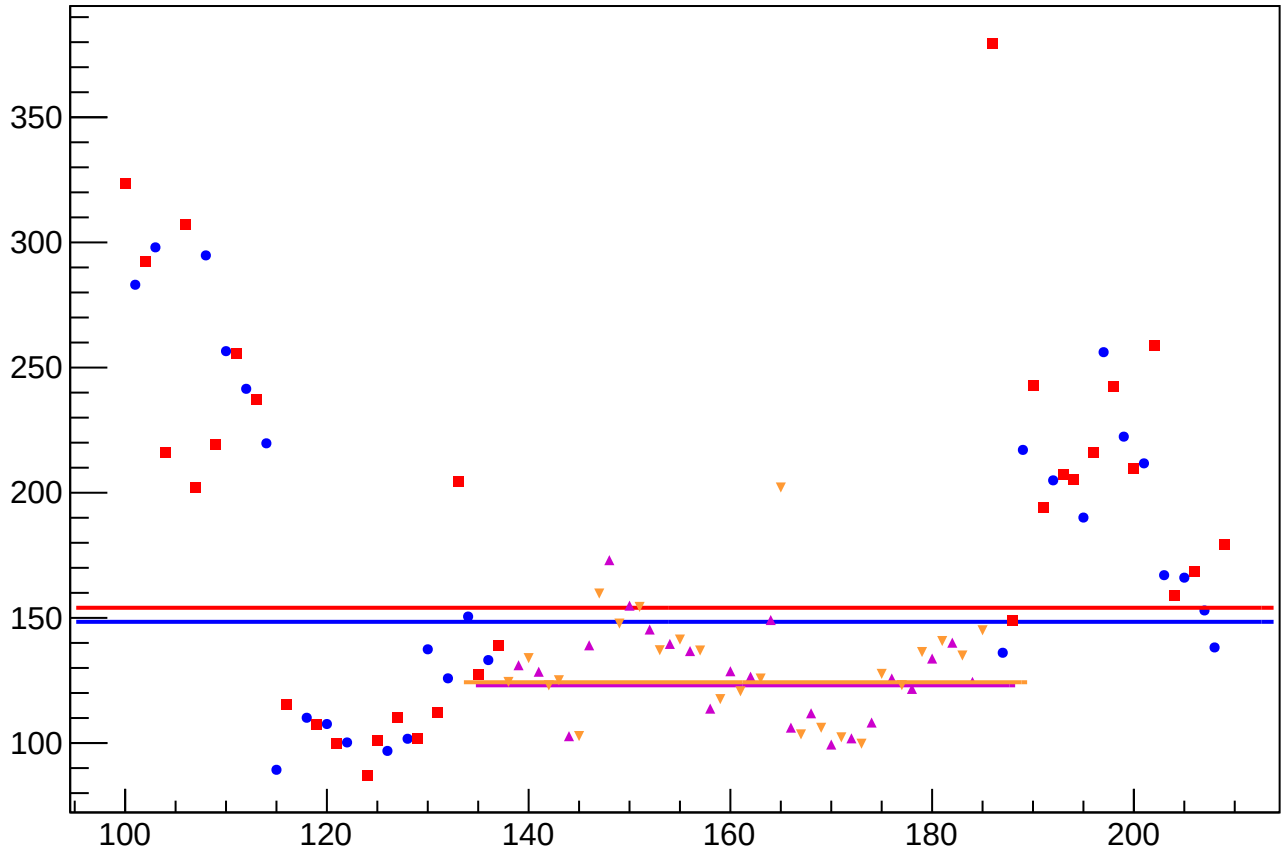
Left: 0.041+/-0.021 χ^2/NDF: 48.8/47

Right: -0.018+/-0.028 χ^2/NDF: 62.3/58

In: 0.002+/-0.024 χ^2/NDF:53.3/49

Out: 0.038+/-0.023 χ^2/NDF:59.5/56

All: 0.020+/-0.017 χ^2/NDF: 114.0/106



Right In: 148.428+/-0.028 χ^2/NDF: 3116633.5/26

Left Out: 124.292+/-0.020 χ^2/NDF:840983.3/24

Right Out: 154.044+/-0.028 χ^2/NDF: 3734741.5/31

Left In: 123.062+/-0.021 χ^2/NDF:718821.1/22

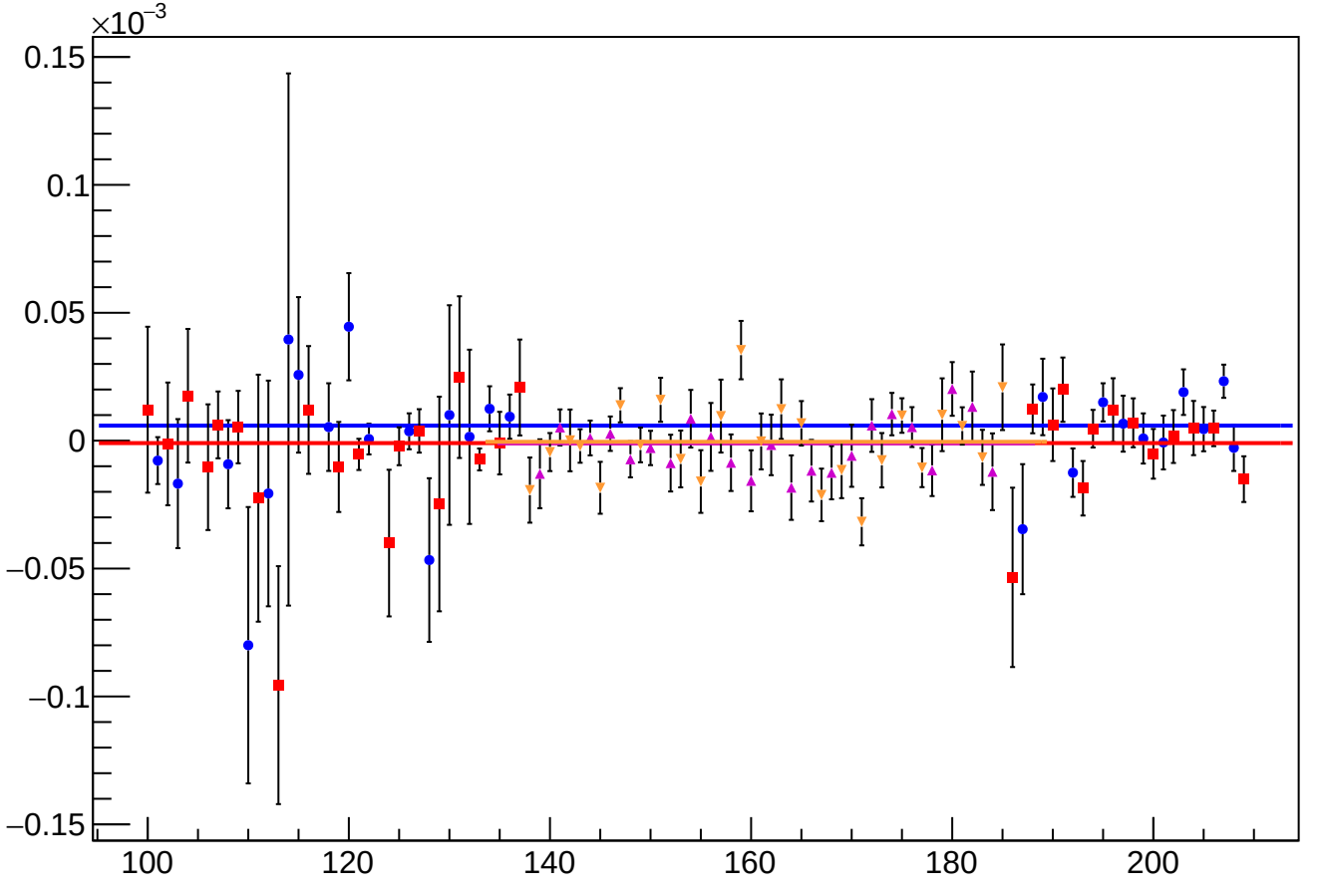
Left: 123.690+/-0.015 χ^2/NDF: 1561601.6/47

Right: 151.240+/-0.020 χ^2/NDF: 6871098.7/58

In: 131.926+/-0.017 χ^2/NDF:4358188.4/49

Out: 134.410+/-0.016 χ^2/NDF:5307604.1/56

All: 133.187+/-0.012 χ^2/NDF: 9676986.2/106



Right In: 0.000+/-0.000 χ^2/NDF: 34.2/26

Left Out: -0.000+/-0.000 χ^2/NDF:52.5/24

Right Out: -0.000+/-0.000 χ^2/NDF: 29.5/31

Left In: -0.000+/-0.000 χ^2/NDF:20.0/22

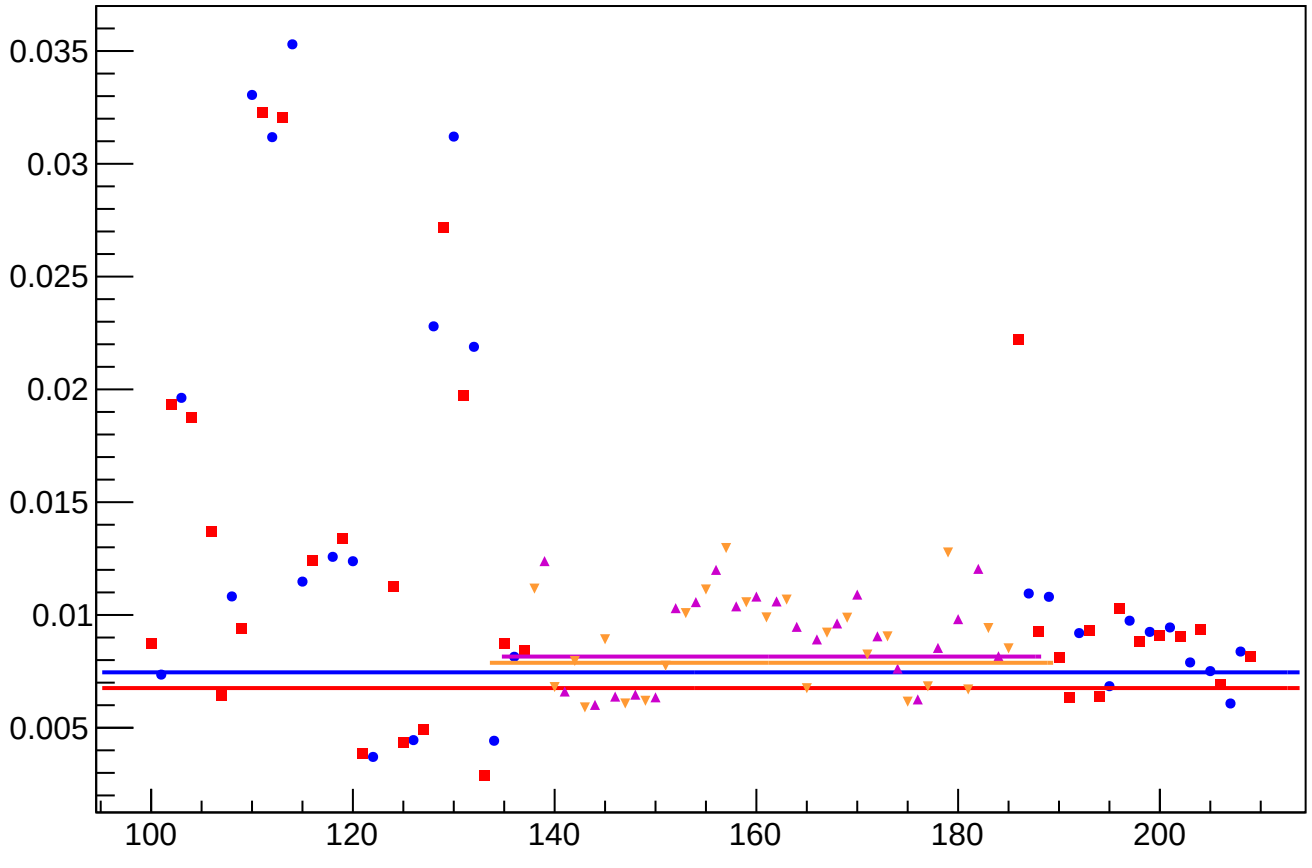
Left: -0.000+/-0.000 χ^2/NDF: 72.5/47

Right: 0.000+/-0.000 χ^2/NDF: 69.6/58

In: 0.000+/-0.000 χ^2/NDF:59.8/49

Out: -0.000+/-0.000 χ^2/NDF:82.0/56

All: 0.000+/-0.000 χ^2/NDF: 144.1/106



Right In: 0.007+/-0.000 χ^2/NDF: 5427647.1/26

Left Out: 0.008+/-0.000 χ^2/NDF:2076596.0/24

Right Out: 0.007+/-0.000 χ^2/NDF: 7394491.6/31

Left In: 0.008+/-0.000 χ^2/NDF:2017677.5/22

Left: 0.008+/-0.000 χ^2/NDF: 4114921.6/47

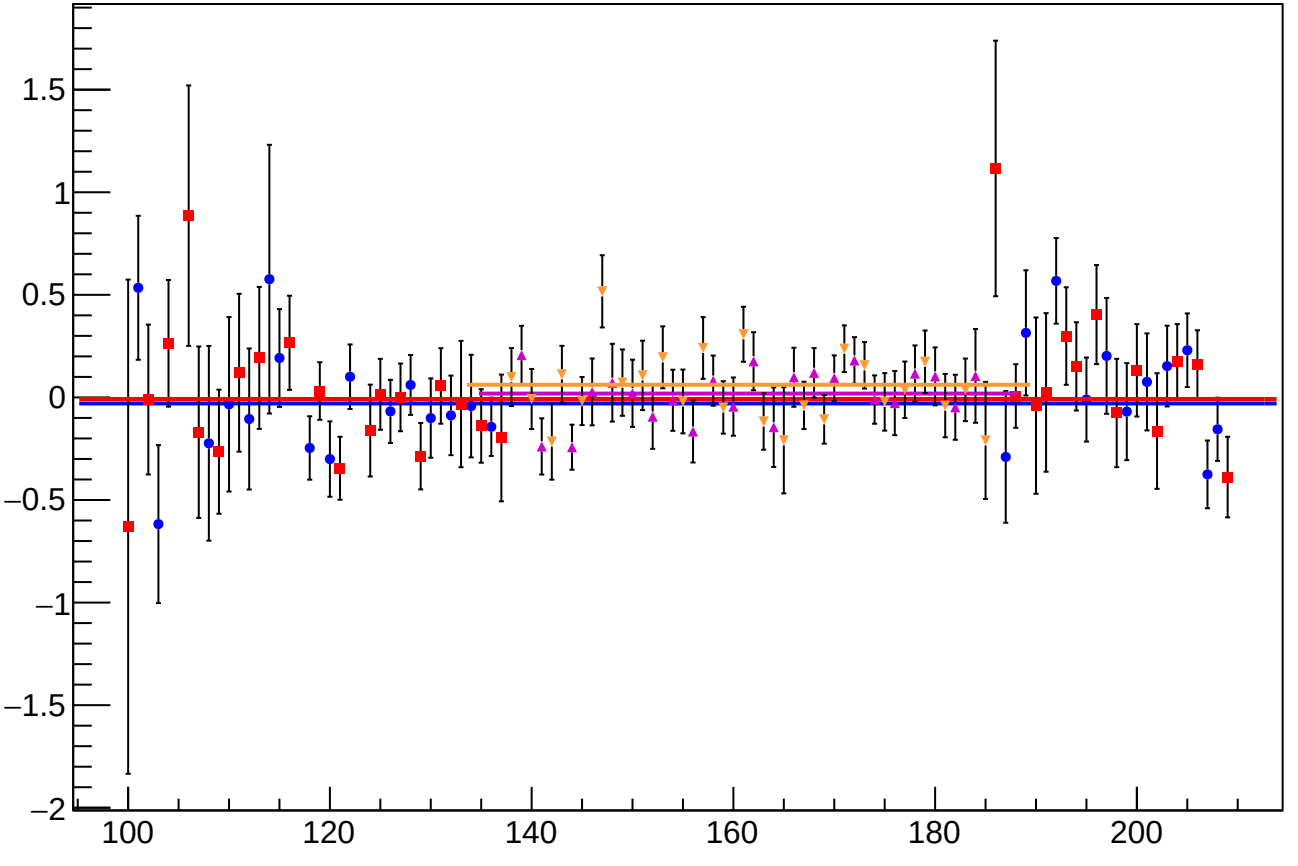
Right: 0.007+/-0.000 χ^2/NDF: 12943595.7/58

In: 0.008+/-0.000 χ^2/NDF:7562134.0/49

Out: 0.007+/-0.000 χ^2/NDF:9828492.2/56

All: 0.008+/-0.000 χ^2/NDF: 17517883.8/106

asym_sam2_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.029+/-0.040 χ^2/NDF: 32.0/26

Left Out: 0.062+/-0.029 χ^2/NDF:27.4/24

Right Out: -0.008+/-0.040 χ^2/NDF: 30.1/31

Left In: 0.019+/-0.029 χ^2/NDF:20.3/22

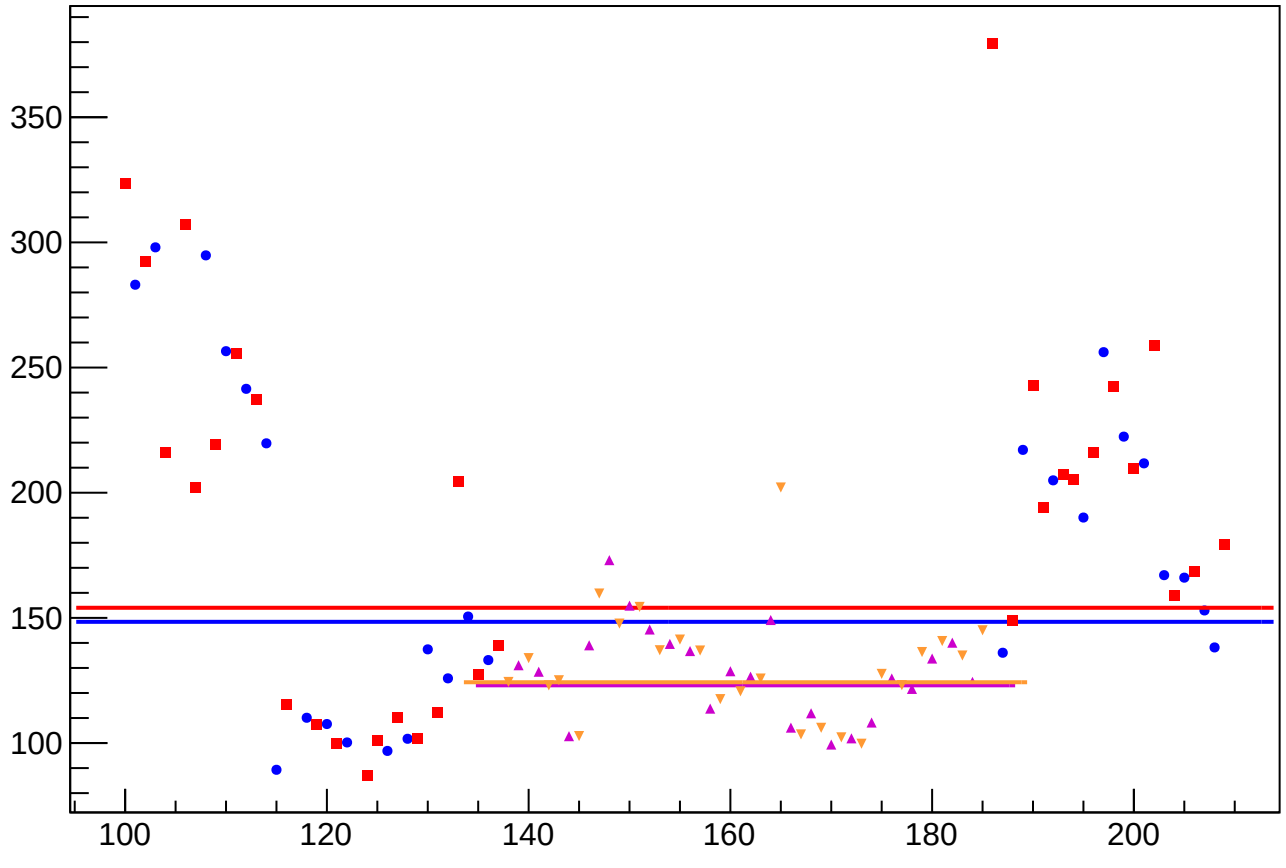
Left: 0.041+/-0.021 χ^2/NDF: 48.8/47

Right: -0.018+/-0.028 χ^2/NDF: 62.3/58

In: 0.002+/-0.024 χ^2/NDF:53.3/49

Out: 0.038+/-0.023 χ^2/NDF:59.5/56

All: 0.020+/-0.017 χ^2/NDF: 114.0/106



Right In: 148.426+/-0.028 χ^2/NDF: 3116687.3/26

Left Out: 124.292+/-0.020 χ^2/NDF:841035.9/24

Right Out: 154.041+/-0.028 χ^2/NDF: 3734875.3/31

Left In: 123.062+/-0.021 χ^2/NDF:718844.3/22

Left: 123.690+/-0.015 χ^2/NDF: 1561677.7/47

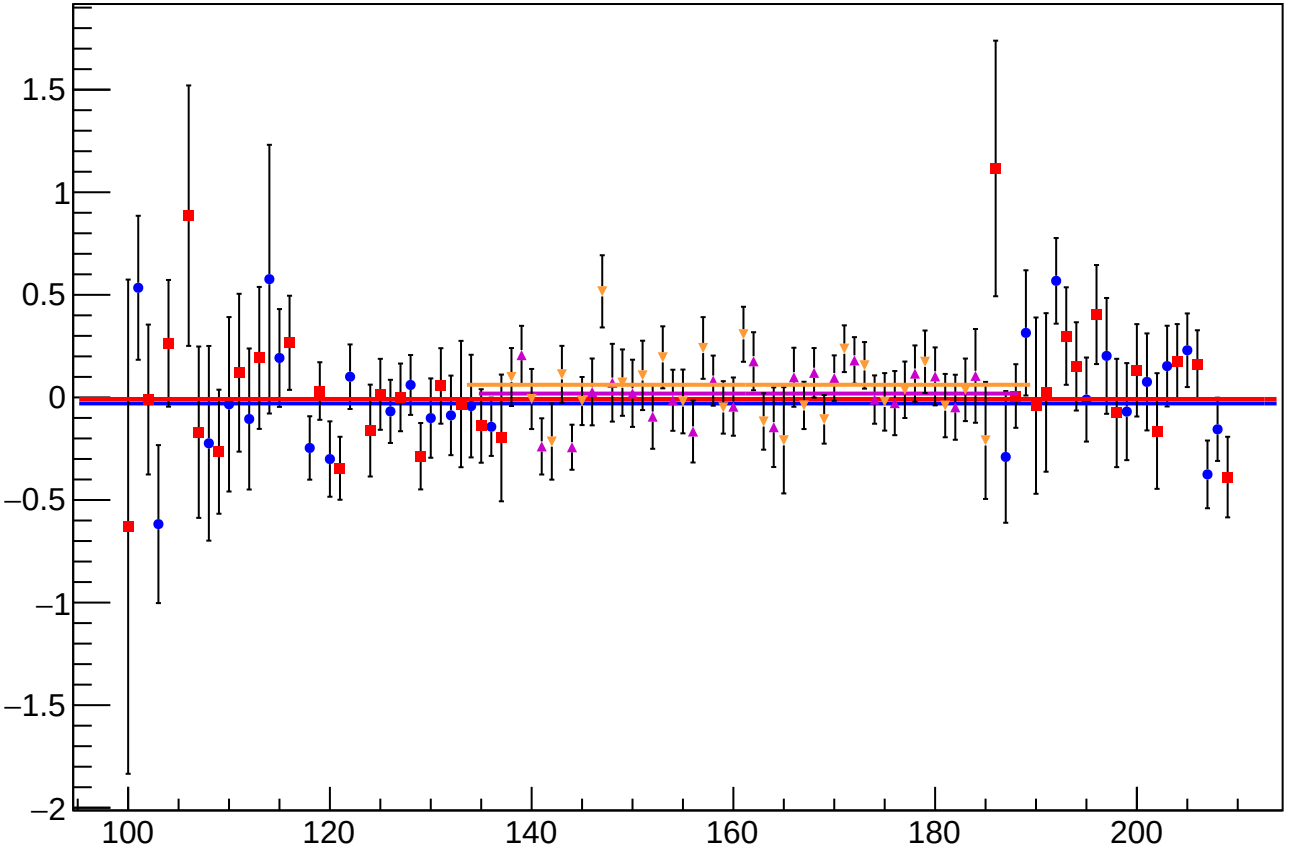
Right: 151.238+/-0.020 χ^2/NDF: 6871286.8/58

In: 131.925+/-0.017 χ^2/NDF:4358189.8/49

Out: 134.409+/-0.016 χ^2/NDF:5307693.5/56

All: 133.186+/-0.012 χ^2/NDF: 9677078.0/106

asym_sam2_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.029+/-0.040 χ^2/NDF: 32.0/26

Left Out: 0.062+/-0.029 χ^2/NDF:27.4/24

Right Out: -0.008+/-0.040 χ^2/NDF: 30.1/31

Left In: 0.019+/-0.029 χ^2/NDF:20.3/22

Left: 0.041+/-0.021 χ^2/NDF: 48.8/47

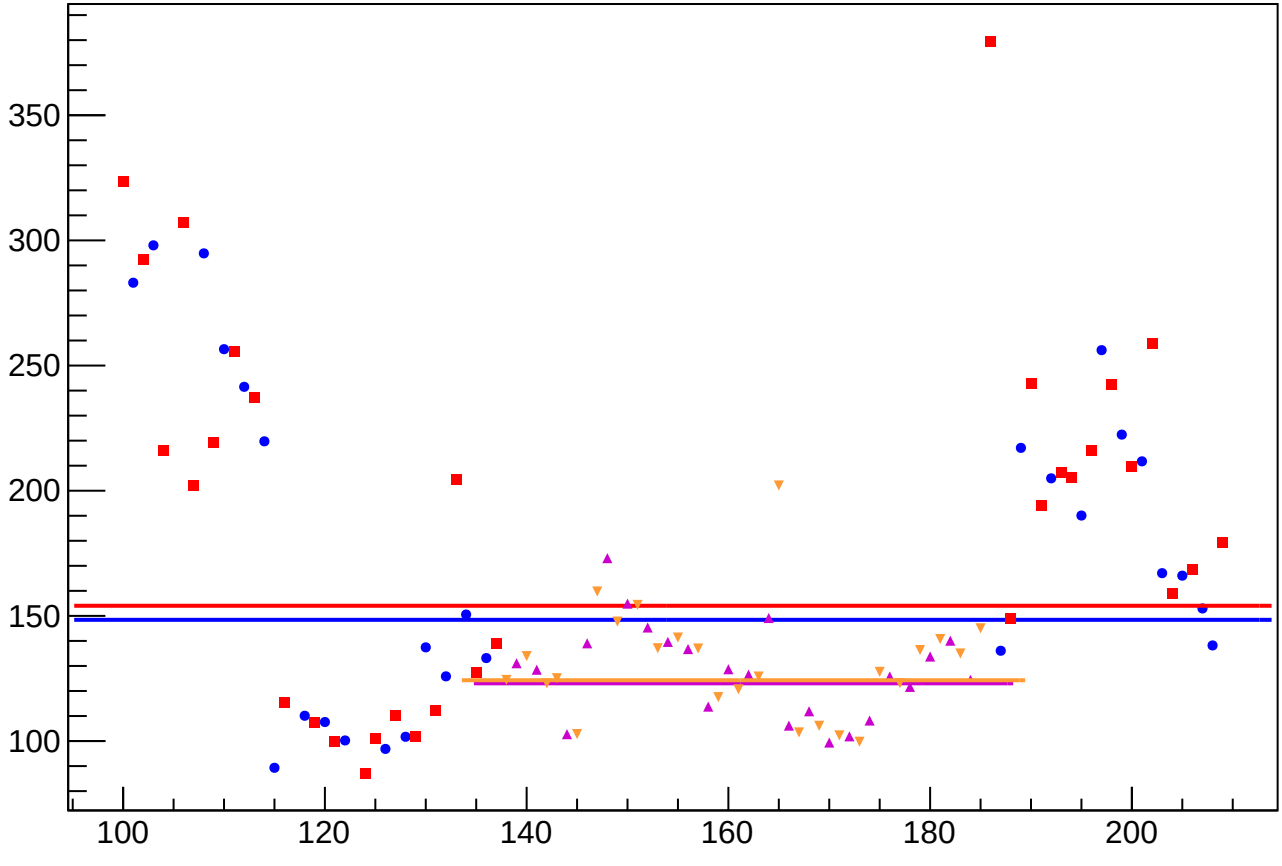
Right: -0.018+/-0.028 χ^2/NDF: 62.3/58

In: 0.002+/-0.024 χ^2/NDF:53.3/49

Out: 0.038+/-0.023 χ^2/NDF:59.5/56

All: 0.020+/-0.017 χ^2/NDF: 114.0/106

asym_sam2_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 148.426+/-0.028 χ^2/NDF: 3116687.3/26

Left Out: 124.292+/-0.020 χ^2/NDF:841035.9/24

Right Out: 154.041+/-0.028 χ^2/NDF: 3734875.3/31

Left In: 123.062+/-0.021 χ^2/NDF:718844.3/22

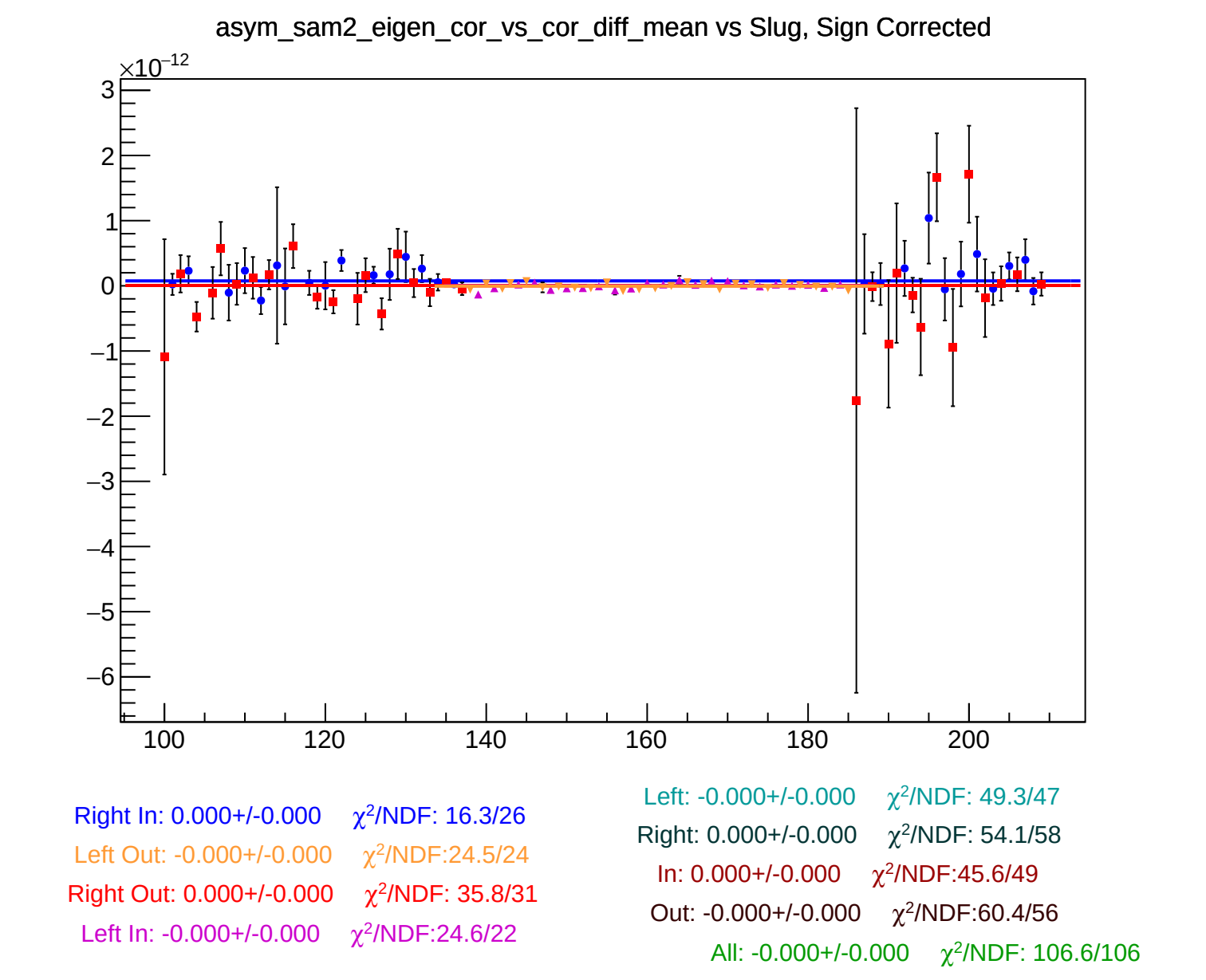
Left: 123.690+/-0.015 χ^2/NDF: 1561677.7/47

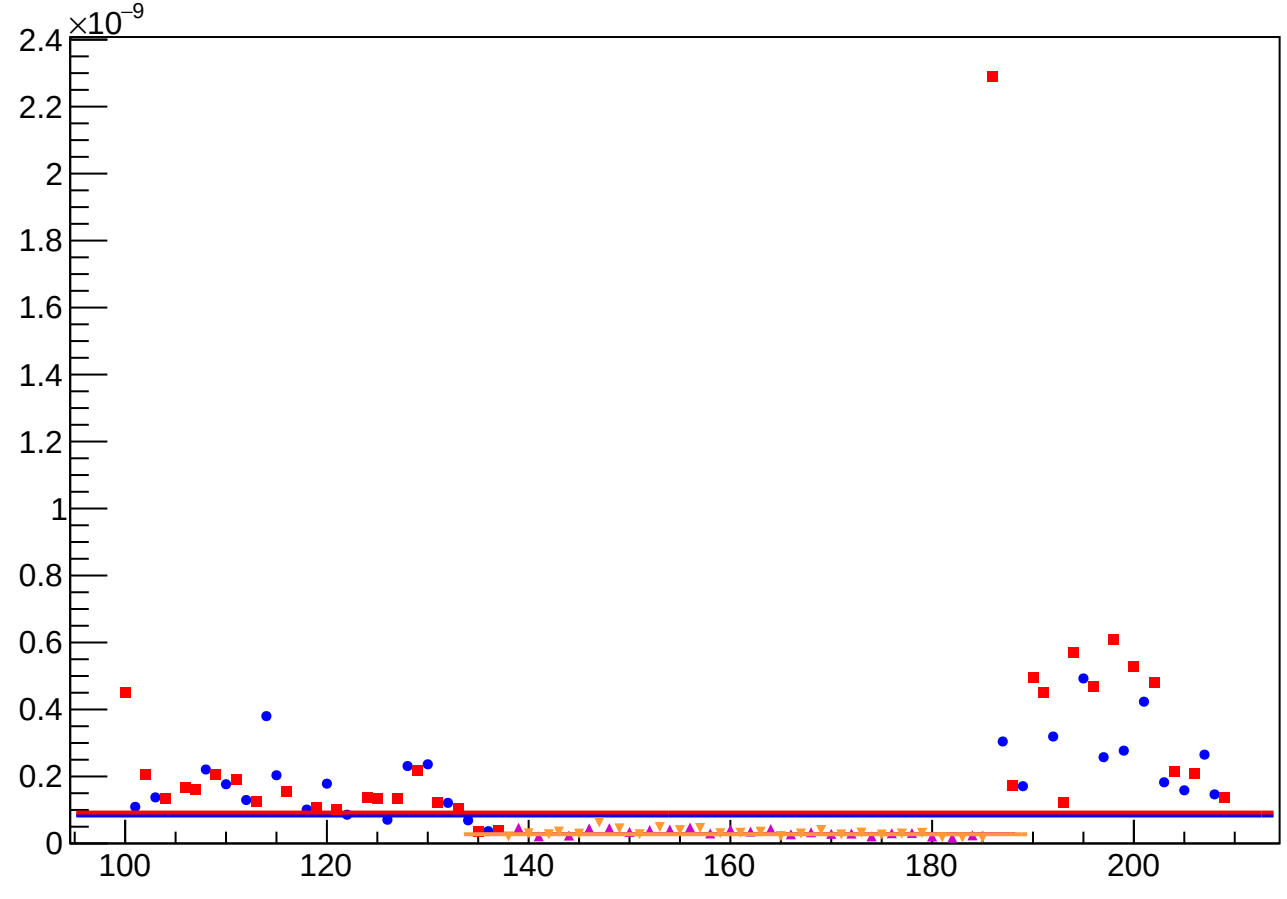
Right: 151.238+/-0.020 χ^2/NDF: 6871286.8/58

In: 131.925+/-0.017 χ^2/NDF:4358189.8/49

Out: 134.409+/-0.016 χ^2/NDF:5307693.5/56

All: 133.186+/-0.012 χ^2/NDF: 9677078.0/106


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
Right In: 0.000+/-0.000 χ²/NDF: 16.3/26
Left Out: -0.000+/-0.000 χ²/NDF:24.5/24
Right Out: 0.000+/-0.000 χ²/NDF: 35.8/31
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: 54.1/58
In: 0.000+/-0.000 χ²/NDF:45.6/49
Out: -0.000+/-0.000 χ²/NDF:60.4/56
All: -0.000+/-0.000 χ²/NDF: 106.6/106



Right In: 0.000+/-0.000 χ^2/NDF: 7921206.5/26

Left Out: 0.000+/-0.000 χ^2/NDF:2403081.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 10036544.4/31

Left In: 0.000+/-0.000 χ^2/NDF:2191521.5/22

Left: 0.000+/-0.000 χ^2/NDF: 4602499.0/47

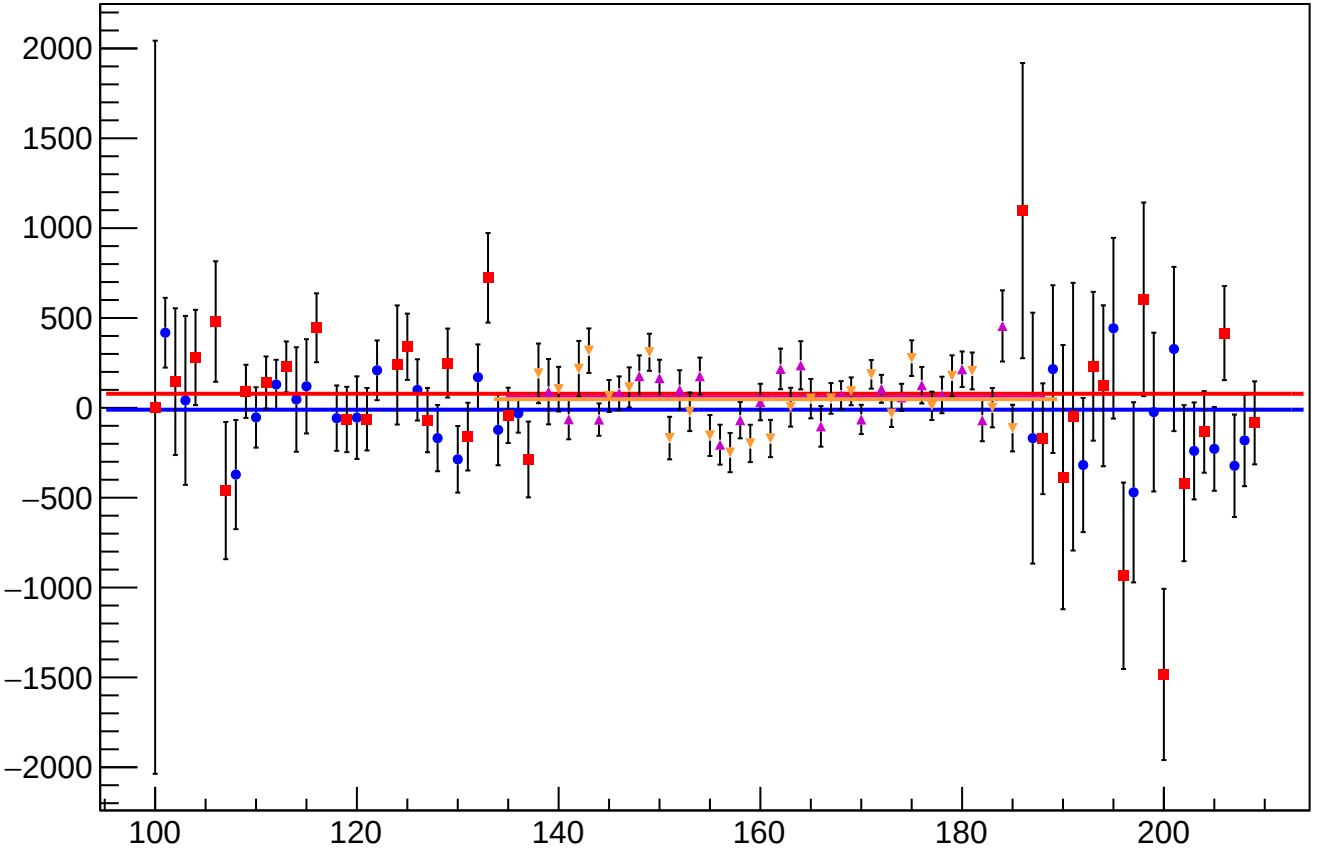
Right: 0.000+/-0.000 χ^2/NDF: 18020306.8/58

In: 0.000+/-0.000 χ^2/NDF:15120055.0/49

Out: 0.000+/-0.000 χ^2/NDF:18457850.6/56

All: 0.000+/-0.000 χ^2/NDF: 33592265.3/106

reg_asym_sam3_mean vs Slug, Sign Corrected



Right In: -10.254+/-41.877 χ^2/NDF: 20.7/26

Left Out: 48.392+/-20.423 χ^2/NDF:53.6/24

Right Out: 78.345+/-41.801 χ^2/NDF: 48.6/31

Left In: 59.014+/-21.156 χ^2/NDF:30.6/22

Left: 53.516+/-14.694 χ^2/NDF: 84.3/47

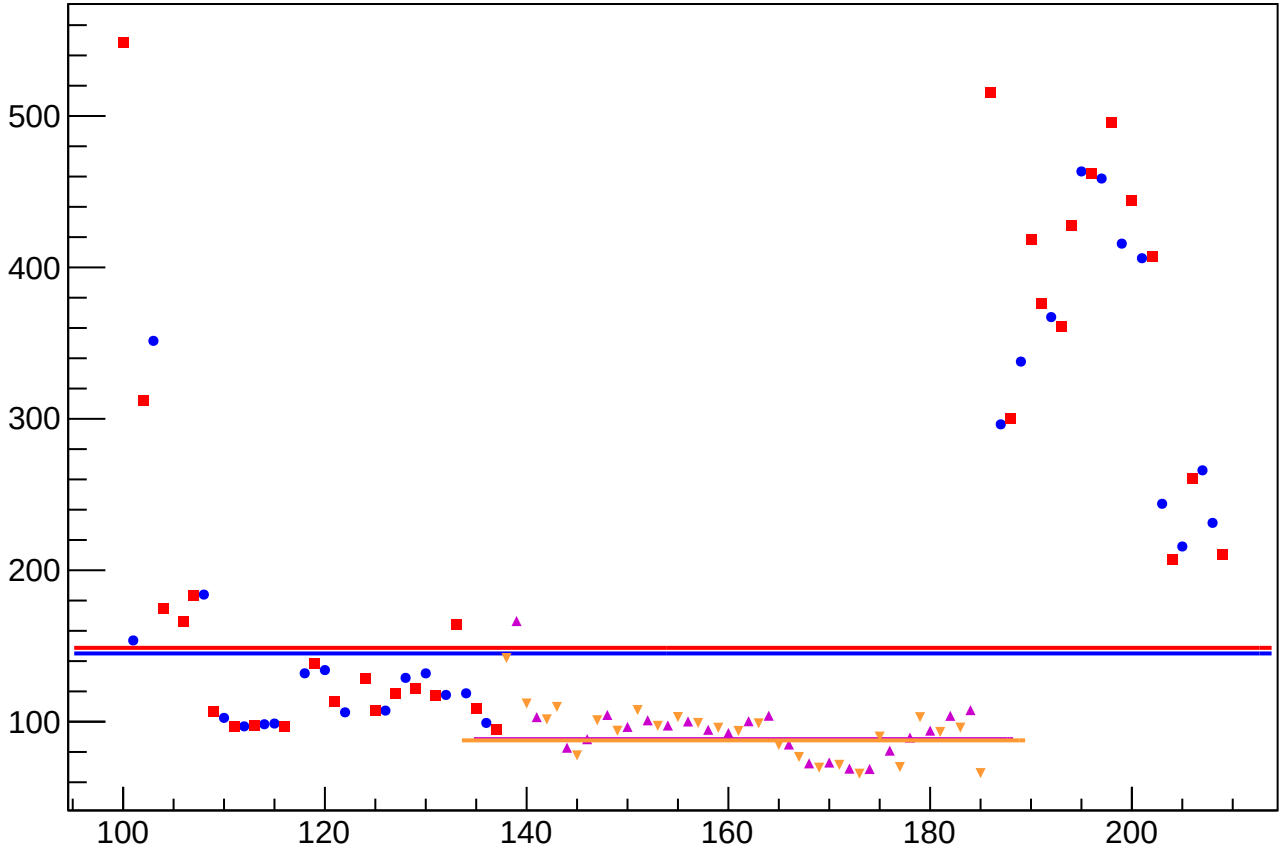
Right: 34.125+/-29.584 χ^2/NDF: 71.5/58

In: 44.929+/-18.883 χ^2/NDF:53.5/49

Out: 54.164+/-18.350 χ^2/NDF:102.5/56

All: 49.679+/-13.160 χ^2/NDF: 156.1/106

reg_asym_sam3_rms vs Slug, Sign Corrected



Right In: 145.066+/-0.030 χ^2/NDF: 6780855.3/26

Left Out: 87.656+/-0.014 χ^2/NDF:1213284.3/24

Right Out: 148.768+/-0.030 χ^2/NDF: 8200884.7/31

Left In: 88.482+/-0.015 χ^2/NDF:1075689.1/22

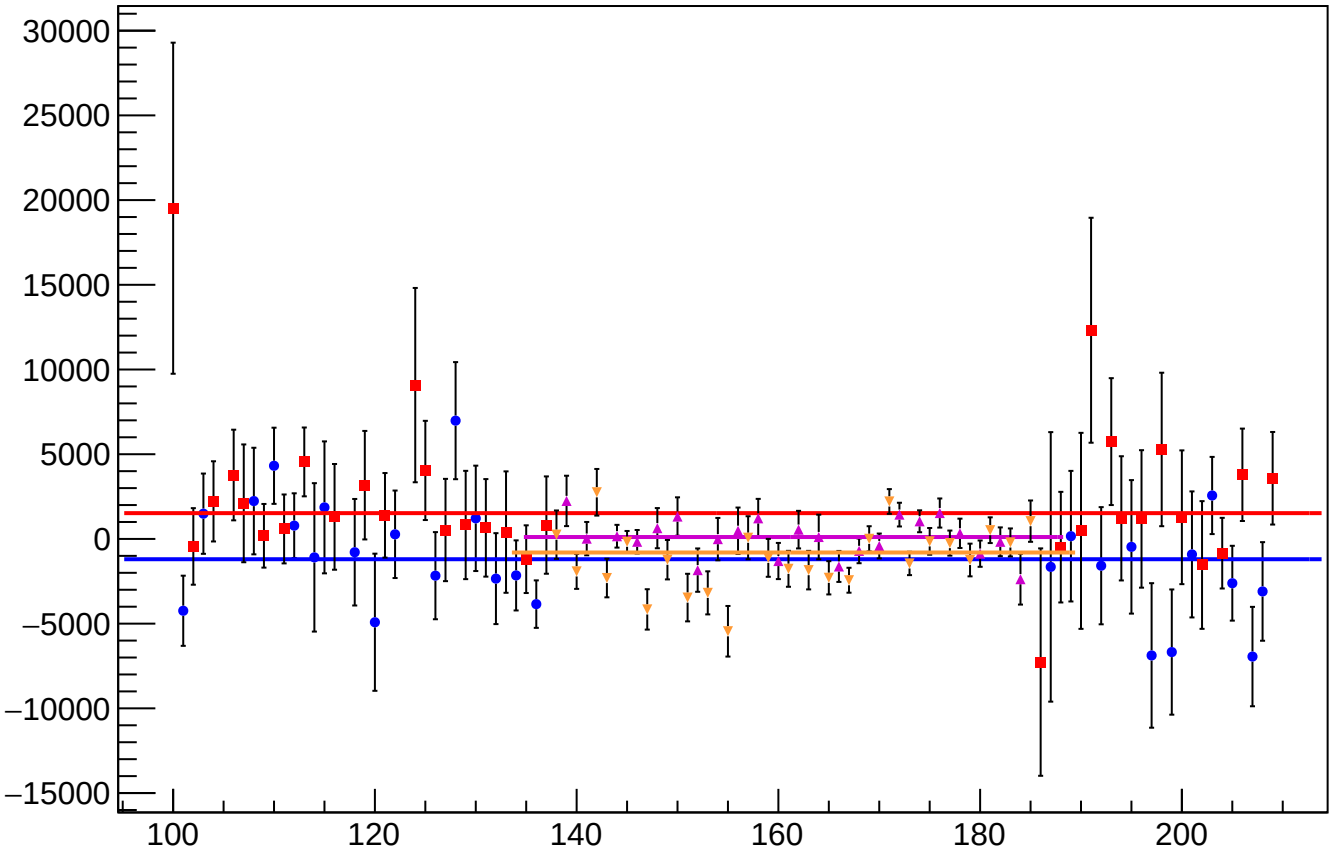
Left: 88.055+/-0.010 χ^2/NDF: 2290553.6/47

Right: 146.920+/-0.021 χ^2/NDF: 14989567.4/58

In: 99.988+/-0.013 χ^2/NDF:10765595.8/49

Out: 99.432+/-0.013 χ^2/NDF:12865125.8/56

All: 99.702+/-0.009 χ^2/NDF: 23631611.0/106



Right In: -1197.888+/-519.956 χ^2/NDF: 35.4/26

Left Out: -801.506+/-187.755 χ^2/NDF:71.9/24

Right Out: 1522.488+/-518.679 χ^2/NDF: 22.9/31

Left In: 112.483+/-190.269 χ^2/NDF:27.1/22

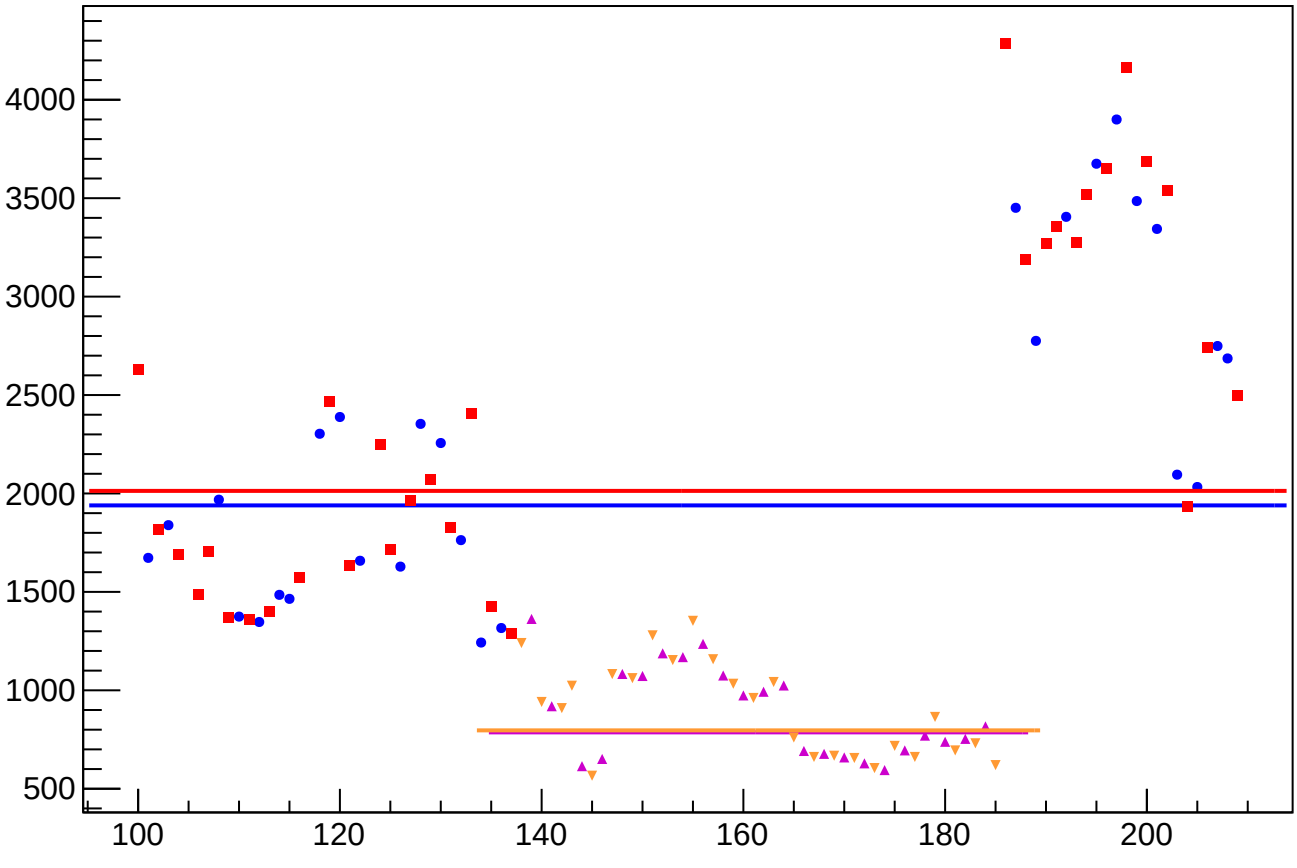
Left: -350.590+/-133.643 χ^2/NDF: 110.6/47

Right: 165.647+/-367.212 χ^2/NDF: 72.0/58

In: -42.263+/-178.682 χ^2/NDF:68.1/49

Out: -532.262+/-176.544 χ^2/NDF:112.5/56

All: -290.211+/-125.585 χ^2/NDF: 184.4/106



Right In: 1939.354+/-0.368 χ^2/NDF: 3460047.4/26

Left Out: 796.524+/-0.133 χ^2/NDF:2417872.0/24

Right Out: 2013.077+/-0.367 χ^2/NDF: 4165688.4/31

Left In: 786.336+/-0.135 χ^2/NDF:2156583.9/22

Left: 791.497+/-0.094 χ^2/NDF: 4577361.0/47

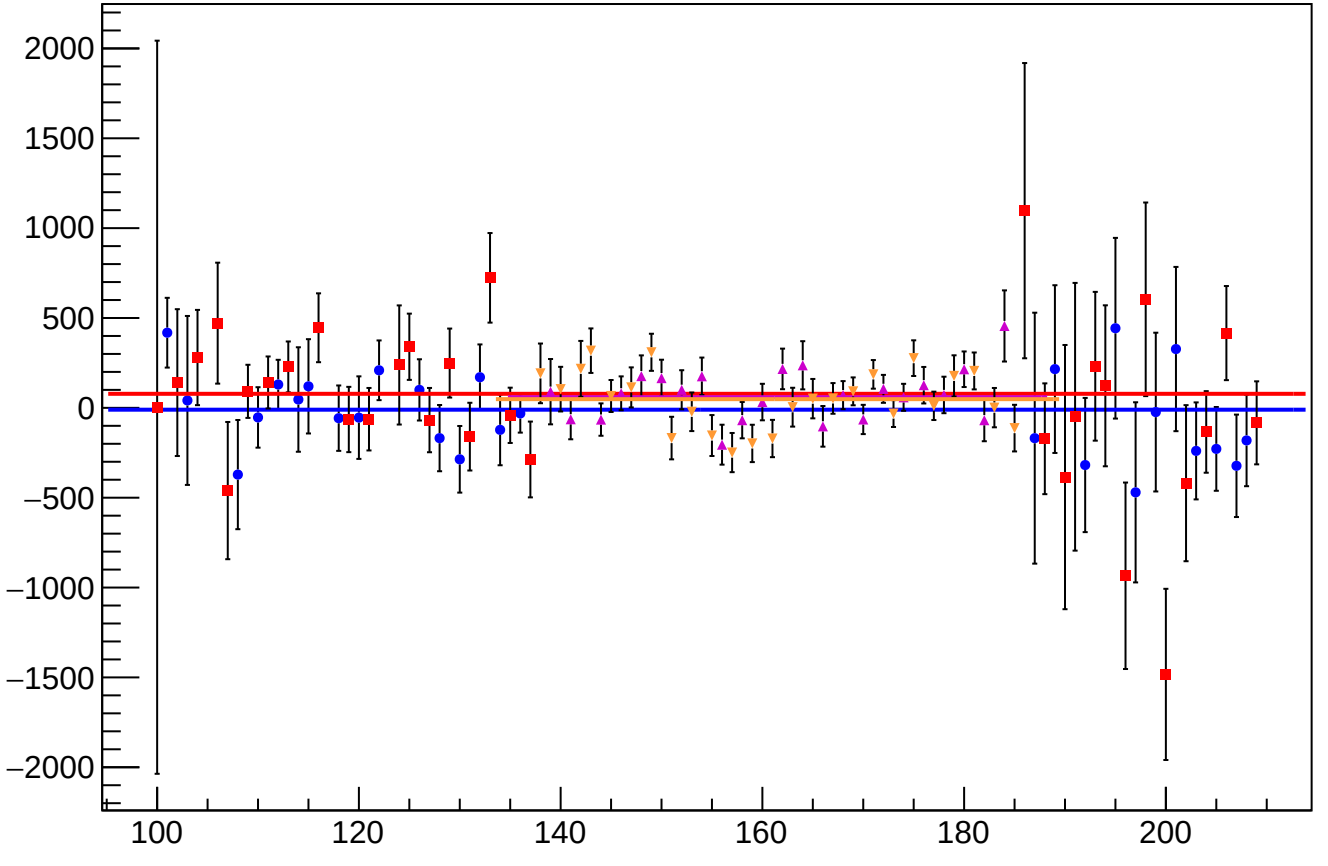
Right: 1976.306+/-0.260 χ^2/NDF: 7645889.1/58

In: 922.500+/-0.126 χ^2/NDF:14290064.1/49

Out: 937.466+/-0.125 χ^2/NDF:16311481.7/56

All: 930.073+/-0.089 χ^2/NDF: 30608645.9/10

cor_asym_sam3_mean vs Slug, Sign Corrected



Right In: -10.271+/-41.877 χ^2/NDF: 20.7/26

Left Out: 48.399+/-20.423 χ^2/NDF:53.6/24

Right Out: 78.107+/-41.803 χ^2/NDF: 48.5/31

Left In: 59.016+/-21.156 χ^2/NDF:30.6/22

Left: 53.521+/-14.694 χ^2/NDF: 84.3/47

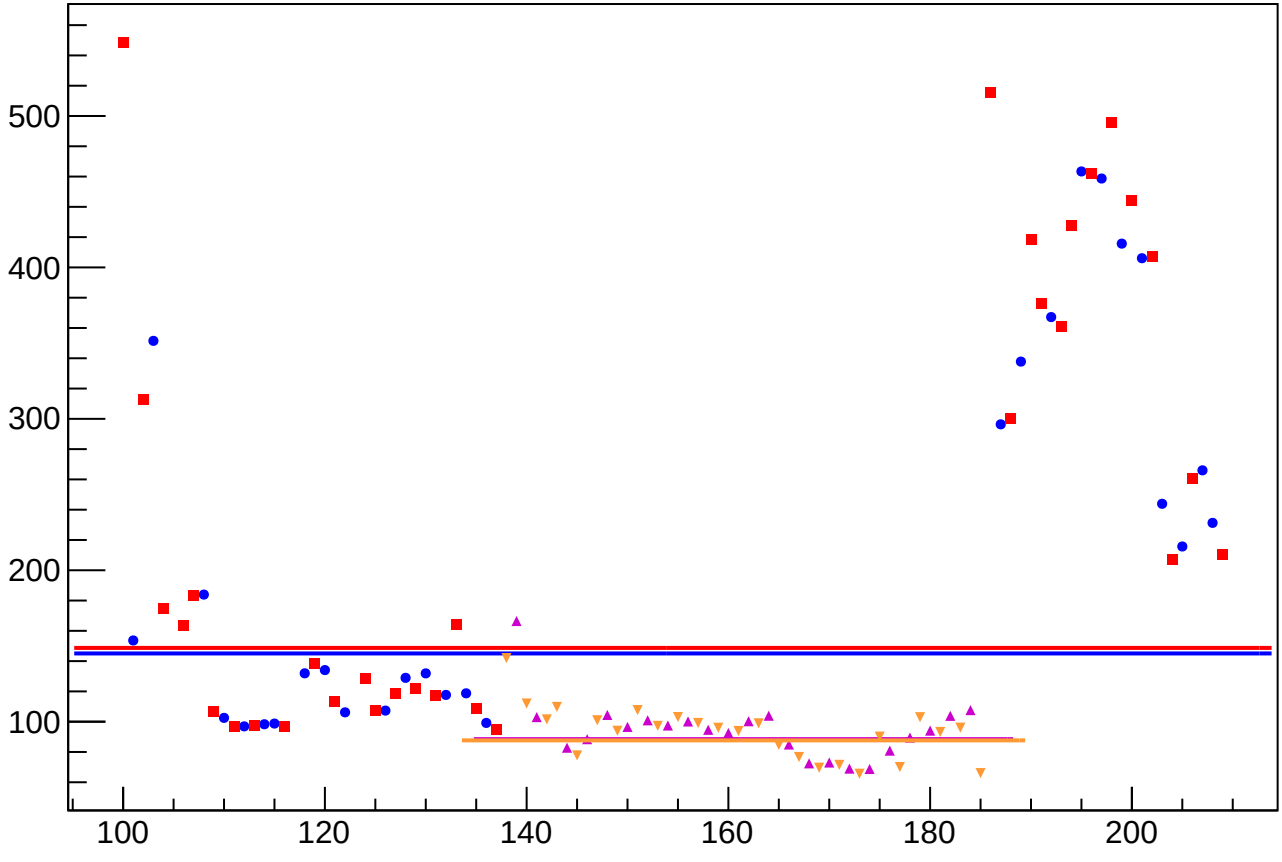
Right: 33.995+/-29.585 χ^2/NDF: 71.4/58

In: 44.928+/-18.883 χ^2/NDF:53.4/49

Out: 54.123+/-18.350 χ^2/NDF:102.4/56

All: 49.657+/-13.160 χ^2/NDF: 156.0/106

cor_asym_sam3_rms vs Slug, Sign Corrected



Right In: 145.066+/-0.030 χ^2/NDF: 6780857.8/26

Left Out: 87.656+/-0.014 χ^2/NDF:1213284.3/24

Right Out: 148.728+/-0.030 χ^2/NDF: 8199602.9/31

Left In: 88.482+/-0.015 χ^2/NDF:1075689.1/22

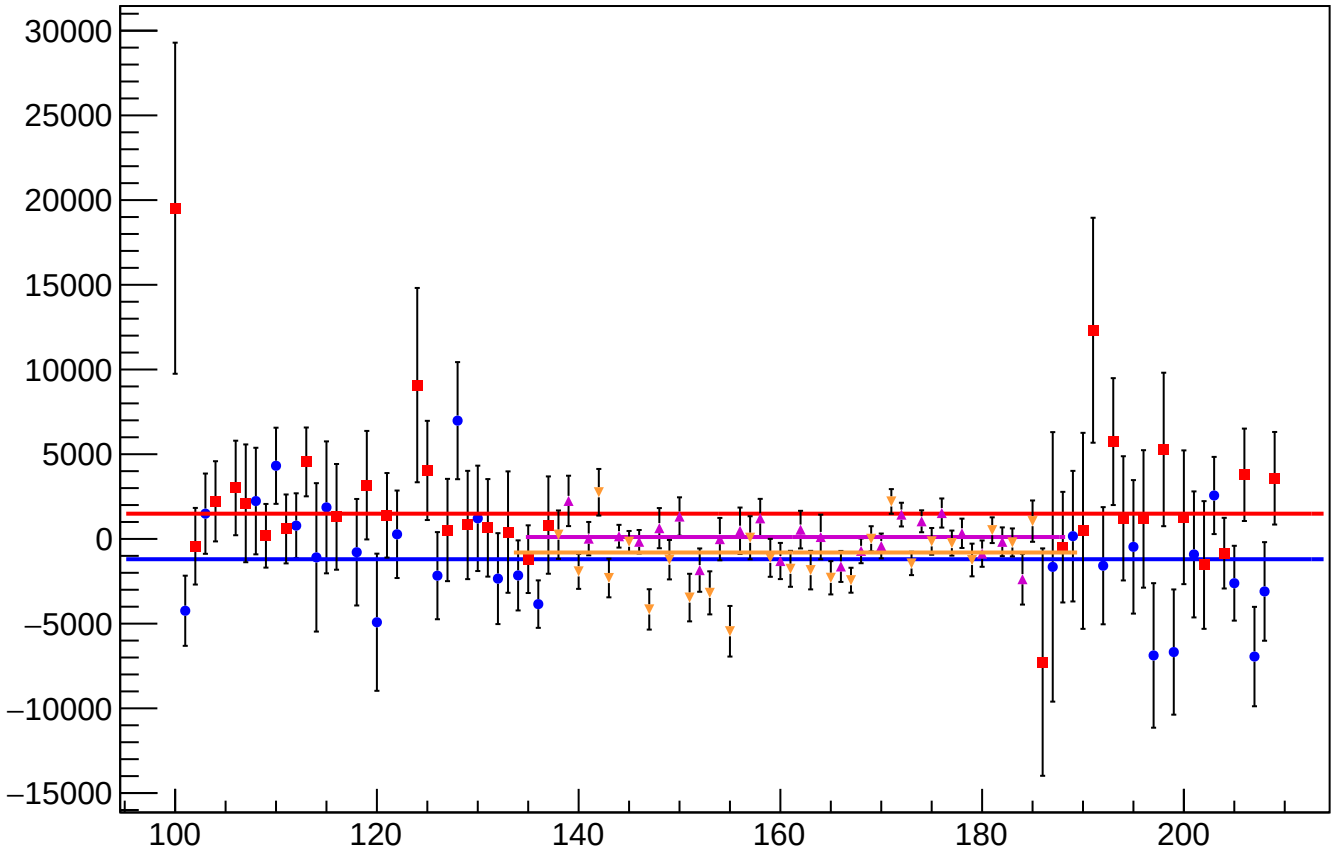
Left: 88.055+/-0.010 χ^2/NDF: 2290553.6/47

Right: 146.900+/-0.021 χ^2/NDF: 14988120.4/58

In: 99.988+/-0.013 χ^2/NDF:10765597.5/49

Out: 99.424+/-0.013 χ^2/NDF:12859053.1/56

All: 99.698+/-0.009 χ^2/NDF: 23625568.2/106



Right In: -1197.882+/-519.959 χ^2/NDF: 35.4/26

Left Out: -801.499+/-187.755 χ^2/NDF:71.9/24

Right Out: 1490.088+/-519.493 χ^2/NDF: 22.4/31

Left In: 112.485+/-190.269 χ^2/NDF:27.1/22

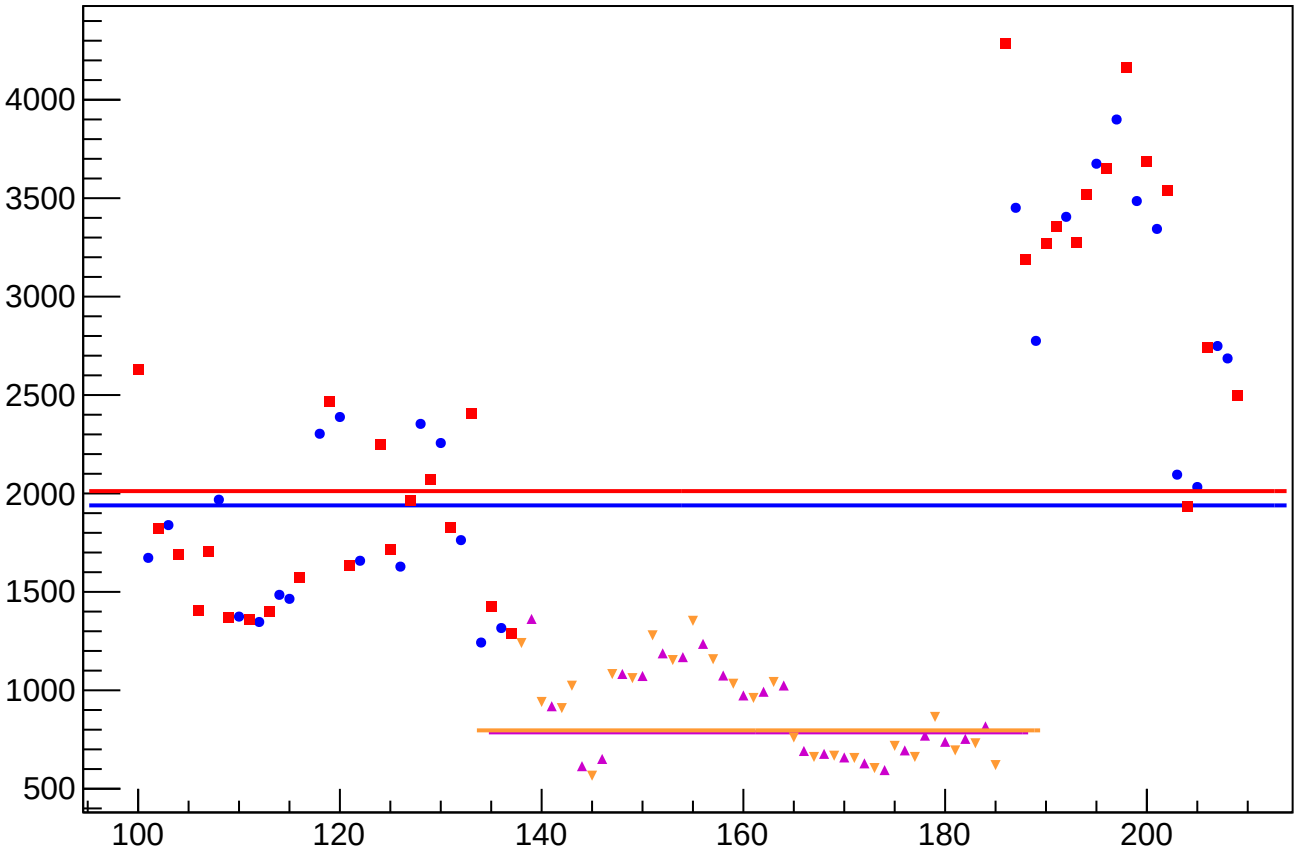
Left: -350.586+/-133.643 χ^2/NDF: 110.6/47

Right: 147.308+/-367.502 χ^2/NDF: 71.2/58

In: -42.260+/-178.682 χ^2/NDF:68.1/49

Out: -536.745+/-176.576 χ^2/NDF:111.5/56

All: -292.433+/-125.596 χ^2/NDF: 183.5/106



Right In: 1939.364+/-0.368 χ^2/NDF: 3460036.5/26

Left Out: 796.523+/-0.133 χ^2/NDF:2417869.7/24

Right Out: 2011.968+/-0.367 χ^2/NDF: 4182760.4/31

Left In: 786.336+/-0.135 χ^2/NDF:2156582.1/22

Left: 791.497+/-0.094 χ^2/NDF: 4577356.9/47

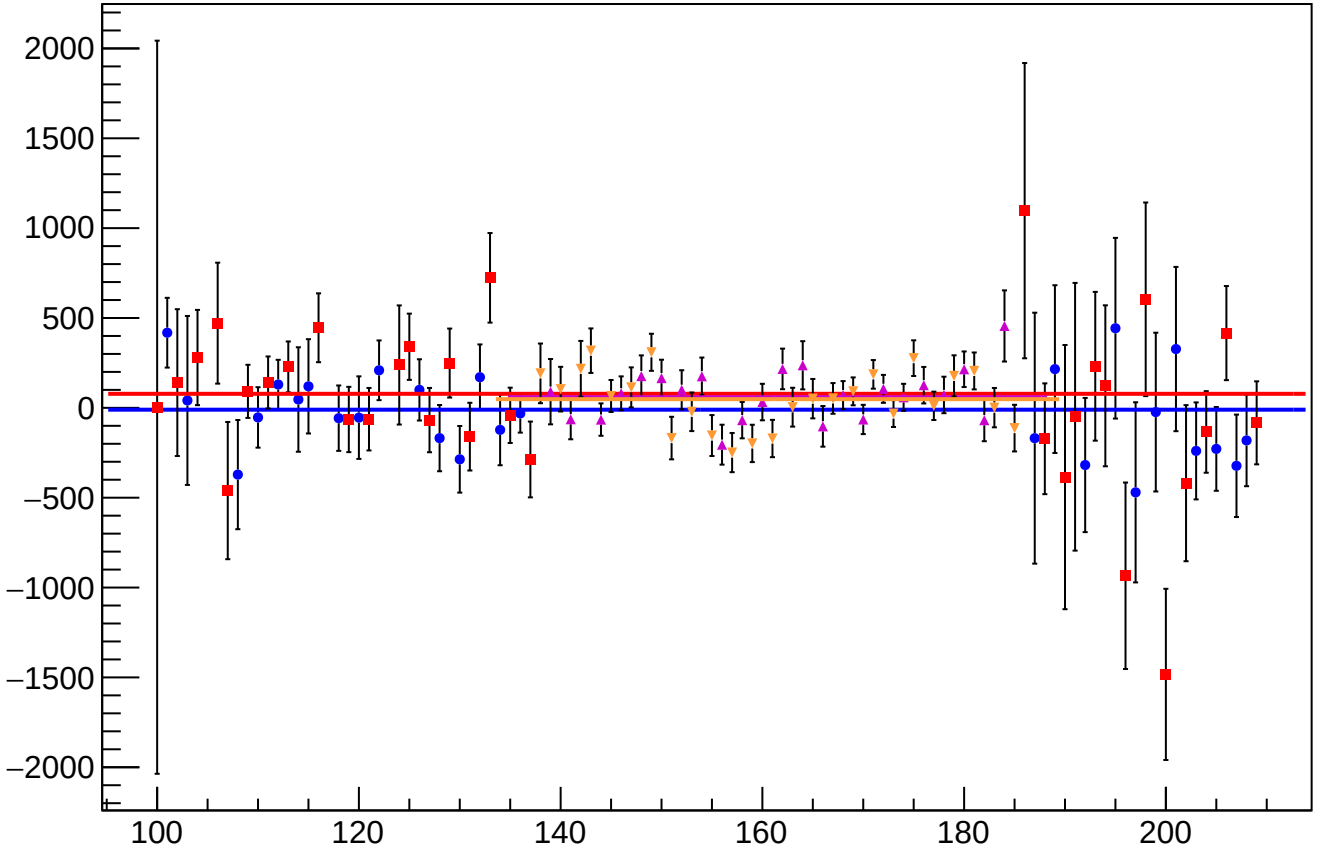
Right: 1975.698+/-0.260 χ^2/NDF: 7662312.3/58

In: 922.500+/-0.126 χ^2/NDF:14290120.7/49

Out: 936.948+/-0.125 χ^2/NDF:16283921.0/56

All: 929.809+/-0.089 χ^2/NDF: 30580657.0/10

eigen_cor_asym_sam3_mean vs Slug, Sign Corrected



Right In: -10.271+/-41.877 χ^2/NDF: 20.7/26

Left Out: 48.399+/-20.423 χ^2/NDF:53.6/24

Right Out: 78.107+/-41.803 χ^2/NDF: 48.5/31

Left In: 59.016+/-21.156 χ^2/NDF:30.6/22

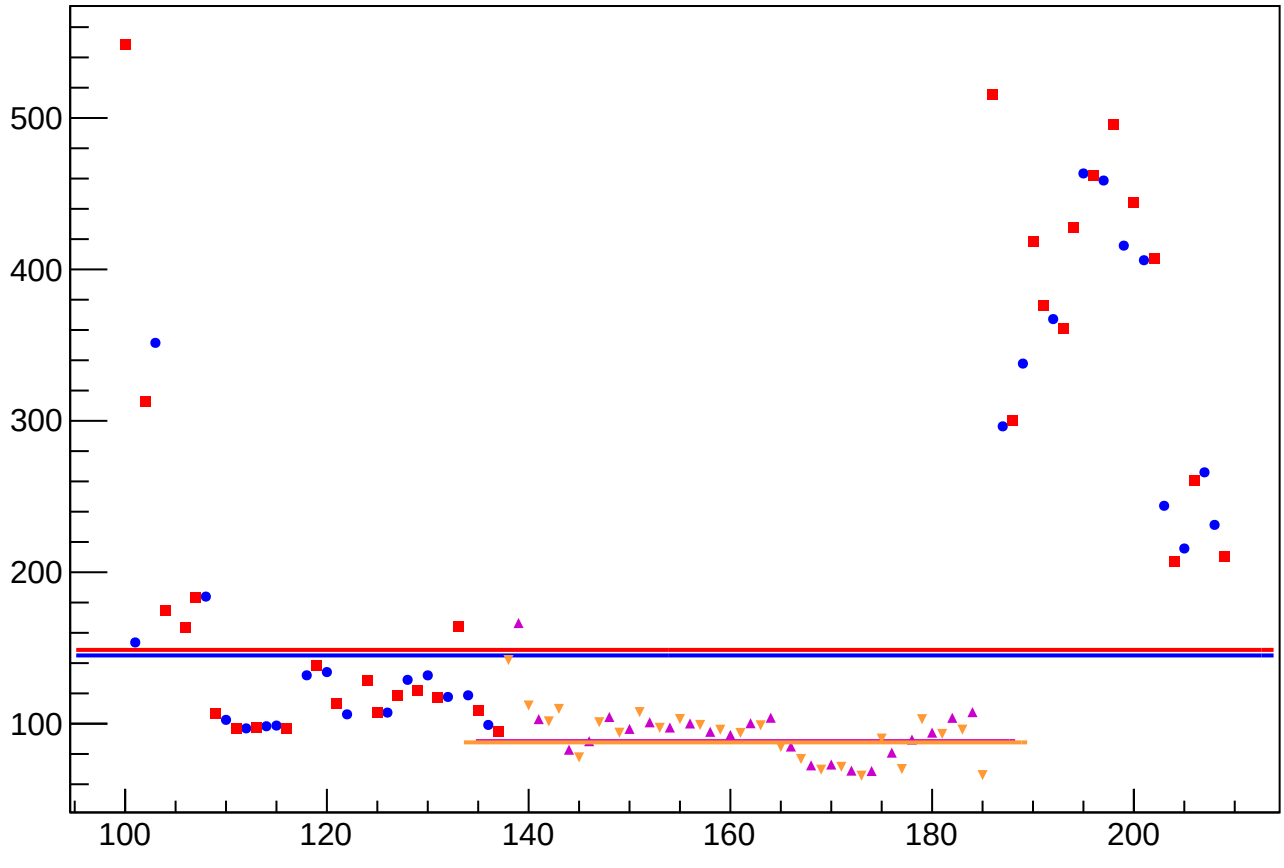
Left: 53.521+/-14.694 χ^2/NDF: 84.3/47

Right: 33.995+/-29.585 χ^2/NDF: 71.4/58

In: 44.928+/-18.883 χ^2/NDF:53.4/49

Out: 54.123+/-18.350 χ^2/NDF:102.4/56

All: 49.657+/-13.160 χ^2/NDF: 156.0/106



Right In: 145.066+/-0.030 χ^2/NDF: 6780857.8/26

Left Out: 87.656+/-0.014 χ^2/NDF:1213284.3/24

Right Out: 148.728+/-0.030 χ^2/NDF: 8199602.9/31

Left In: 88.482+/-0.015 χ^2/NDF:1075689.1/22

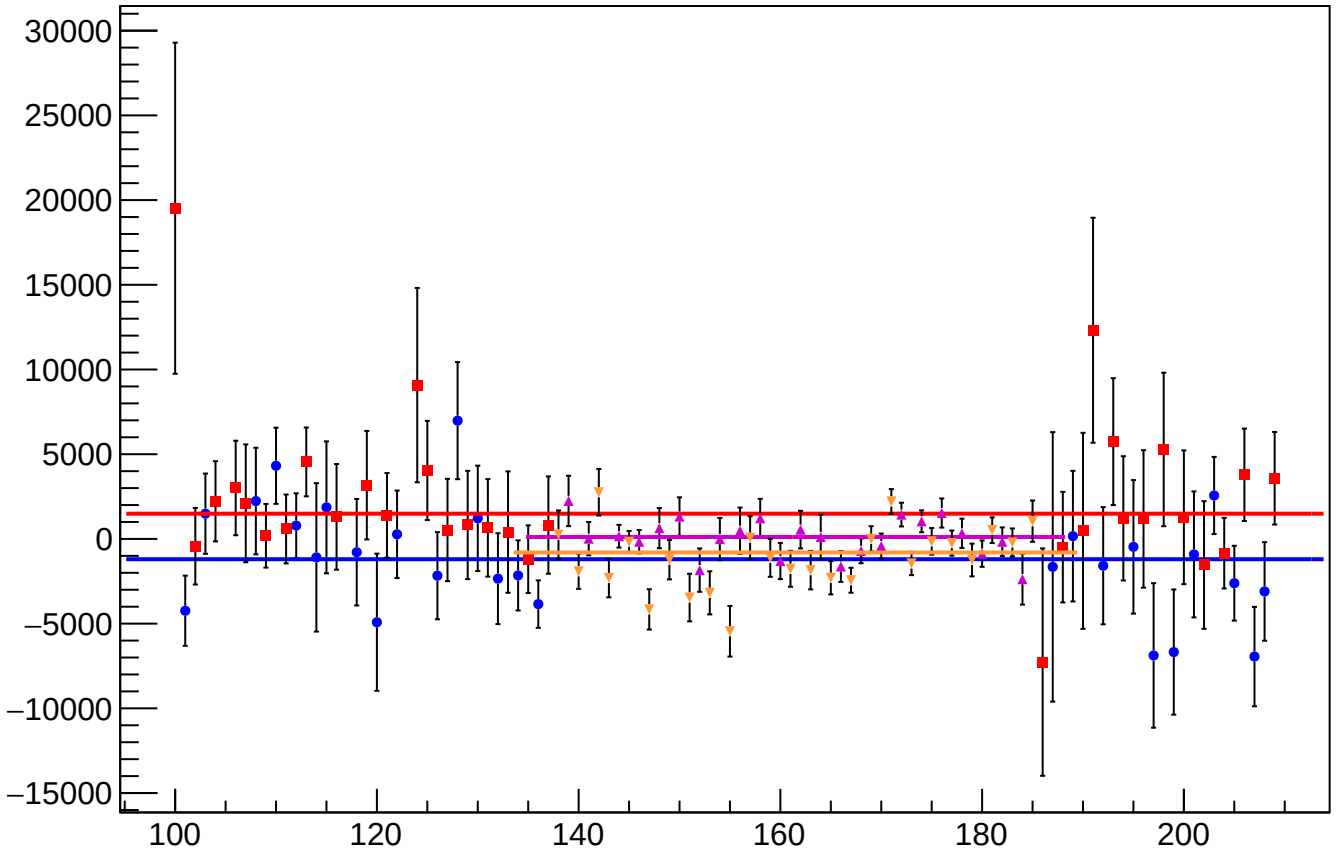
Left: 88.055+/-0.010 χ^2/NDF: 2290553.6/47

Right: 146.900+/-0.021 χ^2/NDF: 14988120.4/58

In: 99.988+/-0.013 χ^2/NDF:10765597.5/49

Out: 99.424+/-0.013 χ^2/NDF:12859053.1/56

All: 99.698+/-0.009 χ^2/NDF: 23625568.2/106



Right In: -1197.882+/-519.959 χ^2/NDF: 35.4/26

Left Out: -801.499+/-187.755 χ^2/NDF:71.9/24

Right Out: 1490.088+/-519.493 χ^2/NDF: 22.4/31

Left In: 112.485+/-190.269 χ^2/NDF:27.1/22

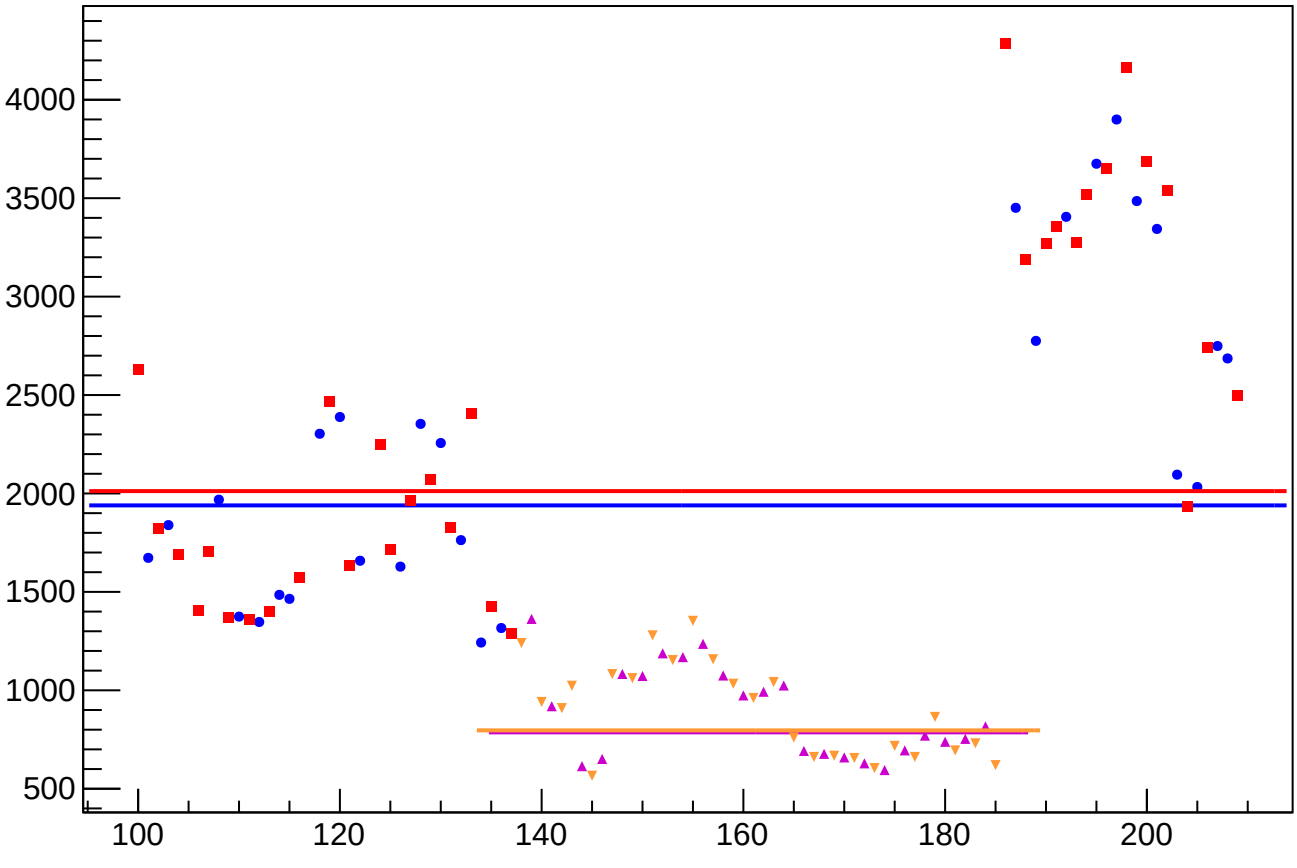
Left: -350.586+/-133.643 χ^2/NDF: 110.6/47

Right: 147.308+/-367.502 χ^2/NDF: 71.2/58

In: -42.260+/-178.682 χ^2/NDF:68.1/49

Out: -536.745+/-176.576 χ^2/NDF:111.5/56

All: -292.433+/-125.596 χ^2/NDF: 183.5/106



Right In: 1939.364+/-0.368 χ^2/NDF: 3460036.5/26

Left Out: 796.523+/-0.133 χ^2/NDF:2417869.7/24

Right Out: 2011.968+/-0.367 χ^2/NDF: 4182760.4/31

Left In: 786.336+/-0.135 χ^2/NDF:2156582.1/22

Left: 791.497+/-0.094 χ^2/NDF: 4577356.9/47

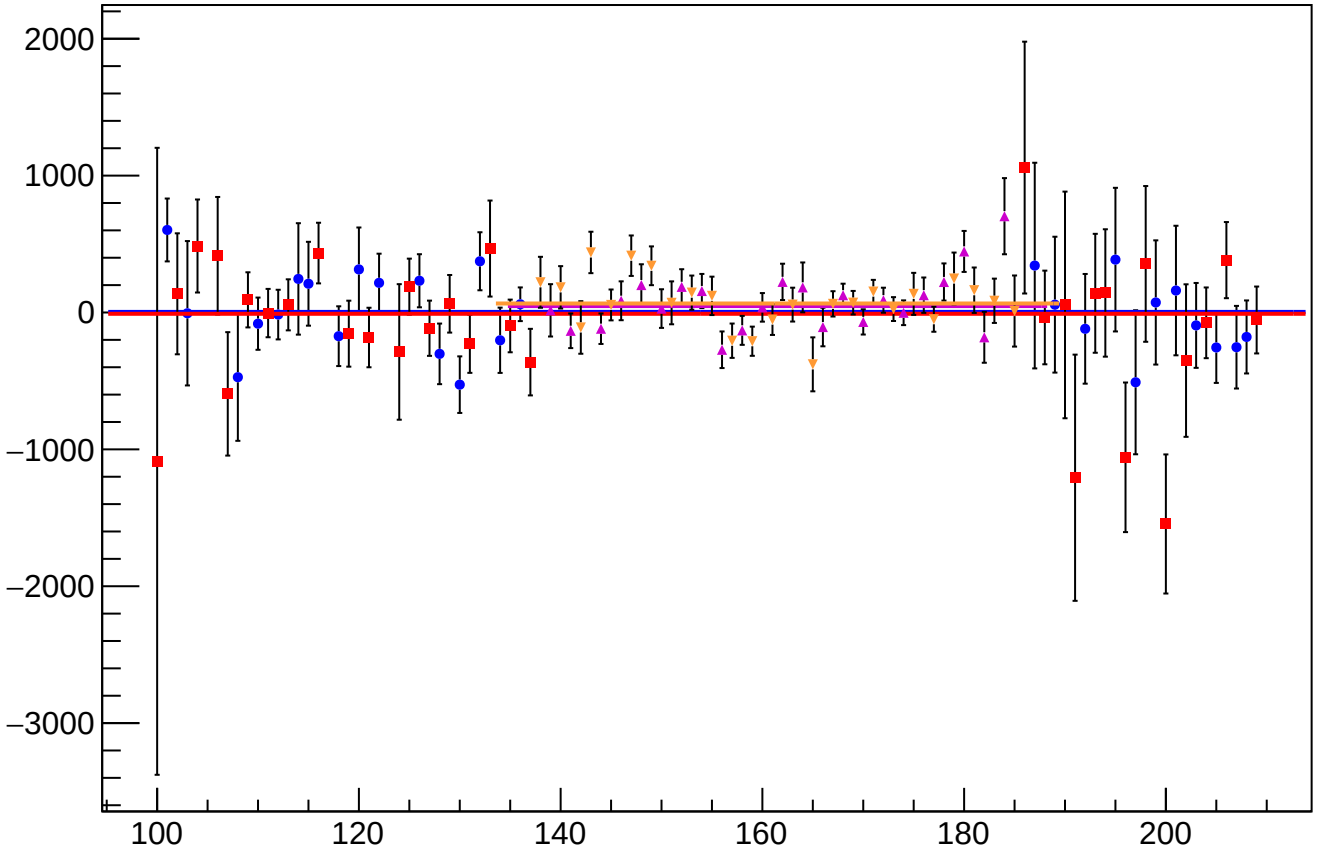
Right: 1975.698+/-0.260 χ^2/NDF: 7662312.3/58

In: 922.500+/-0.126 χ^2/NDF:14290120.7/49

Out: 936.948+/-0.125 χ^2/NDF:16283921.0/56

All: 929.809+/-0.089 χ^2/NDF: 30580657.0/10

dit_asym_sam3_mean vs Slug, Sign Corrected



Right In: 4.243+/-49.347 χ^2/NDF: 29.7/26

Left Out: 65.702+/-25.059 χ^2/NDF:40.0/24

Right Out: -9.527+/-50.102 χ^2/NDF: 36.4/31

Left In: 47.039+/-25.696 χ^2/NDF:38.6/22

Left: 56.605+/-17.941 χ^2/NDF: 78.9/47

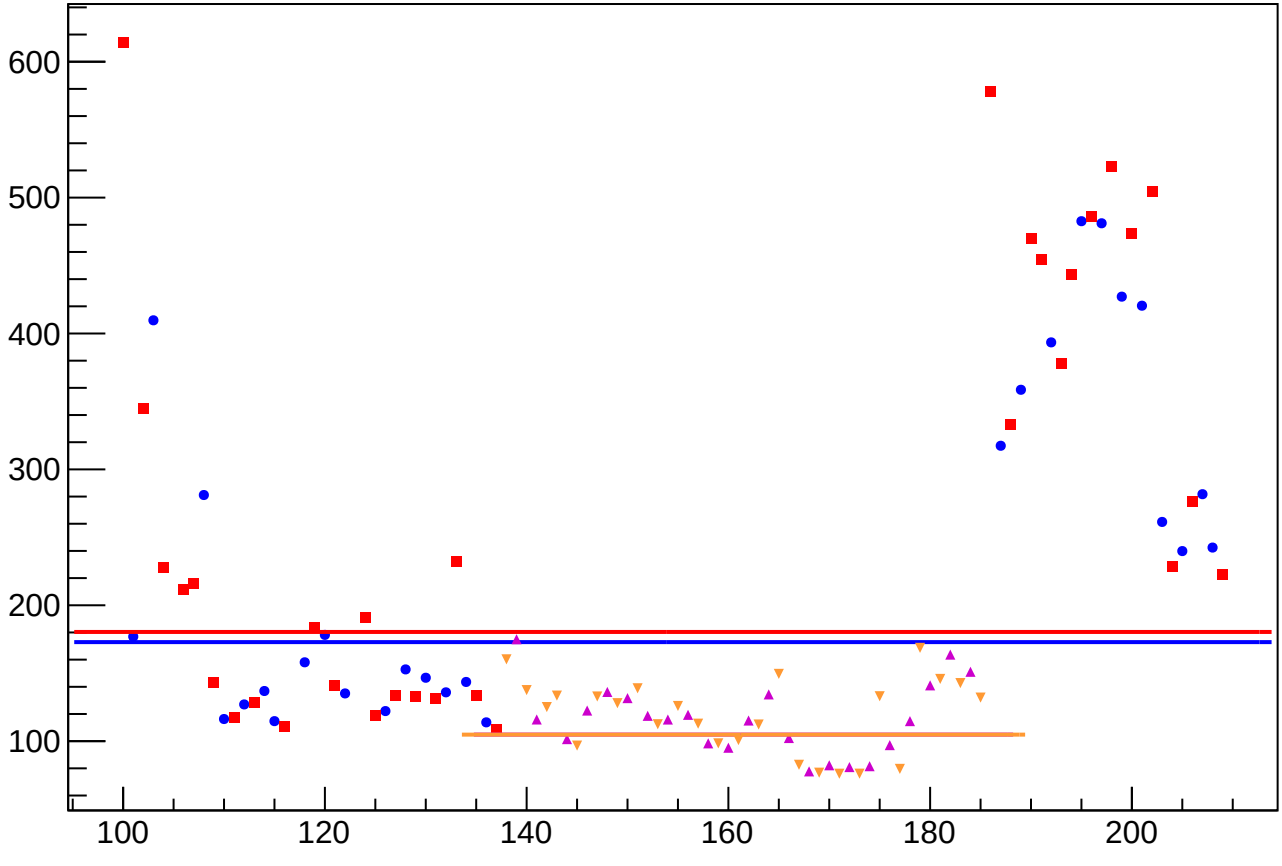
Right: -2.537+/-35.157 χ^2/NDF: 66.2/58

In: 37.910+/-22.791 χ^2/NDF:68.9/49

Out: 50.648+/-22.412 χ^2/NDF:78.3/56

All: 44.386+/-15.980 χ^2/NDF: 147.3/106

dit_asym_sam3_rms vs Slug, Sign Corrected



Right In: 172.892+/-0.035 χ^2/NDF: 5924687.5/26

Left Out: 104.810+/-0.018 χ^2/NDF:2242795.3/24

Right Out: 180.370+/-0.035 χ^2/NDF: 7297532.5/31

Left In: 104.835+/-0.018 χ^2/NDF:1614476.5/22

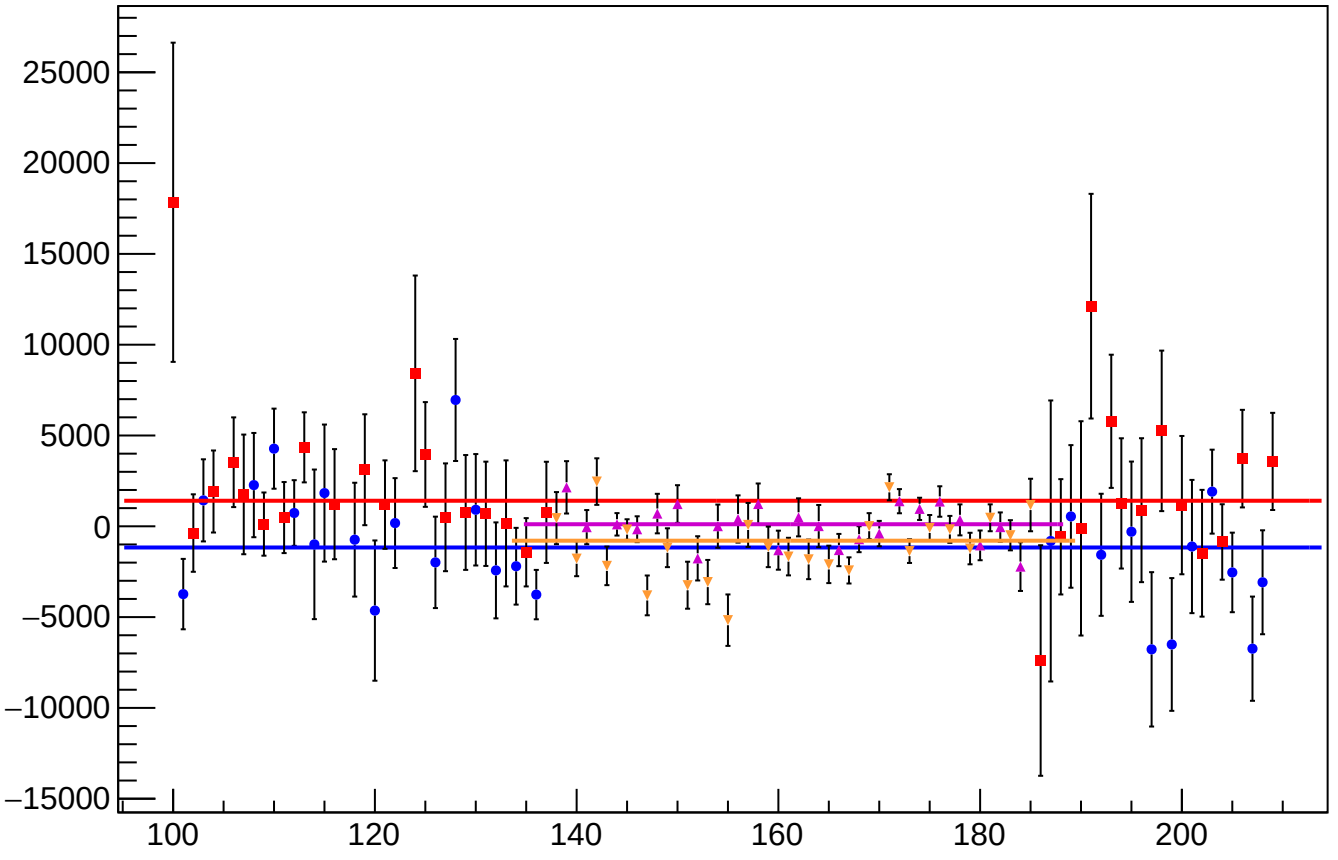
Left: 104.822+/-0.013 χ^2/NDF: 3857272.7/47

Right: 176.574+/-0.025 χ^2/NDF: 13244839.8/58

In: 119.352+/-0.016 χ^2/NDF:10531858.7/49

Out: 119.930+/-0.016 χ^2/NDF:13179036.9/56

All: 119.646+/-0.011 χ^2/NDF: 23711549.8/10



Right In: -1166.594+/-506.519 χ^2/NDF: 34.5/26

Left Out: -793.070+/-179.897 χ^2/NDF:70.0/24

Right Out: 1406.897+/-498.689 χ^2/NDF: 24.4/31

Left In: 113.680+/-183.126 χ^2/NDF:26.3/22

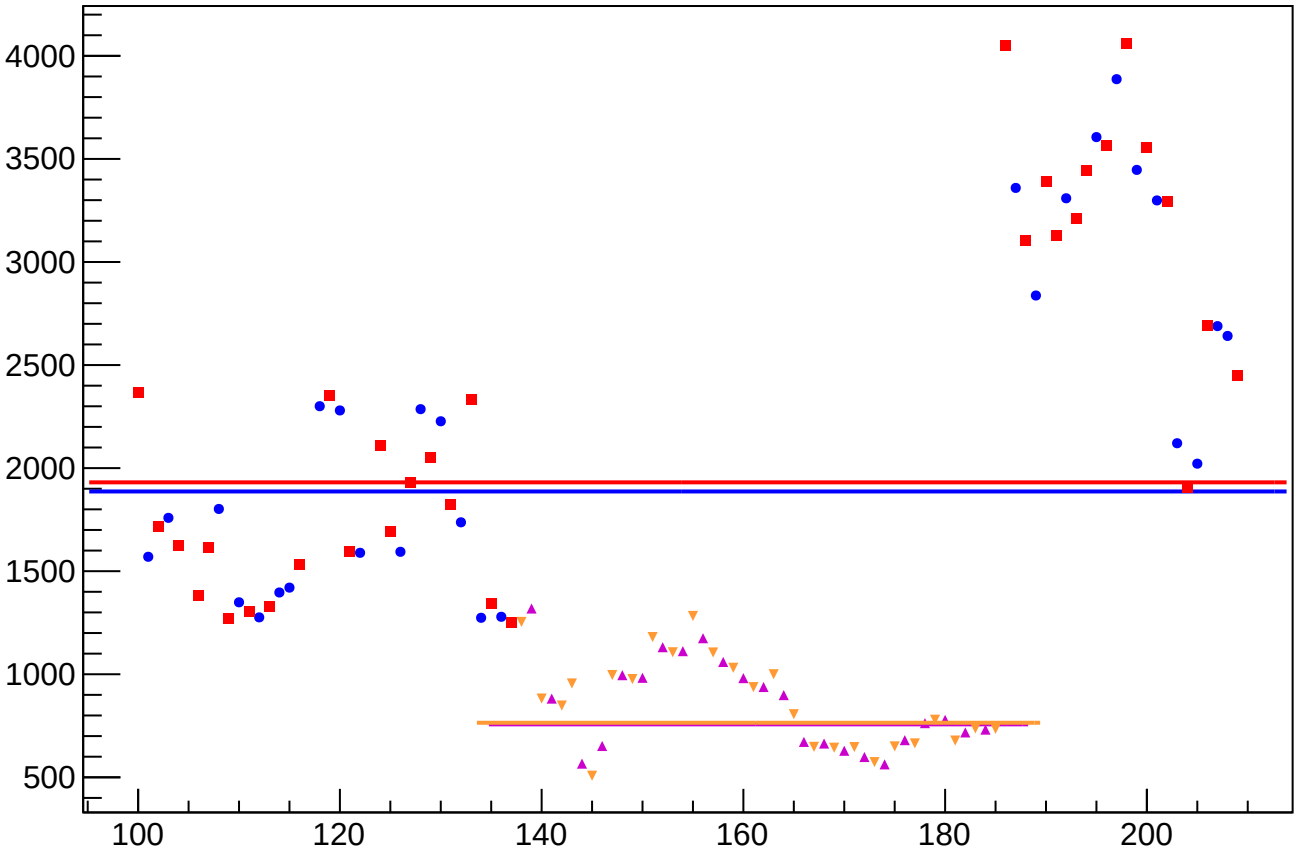
Left: -347.760+/-128.333 χ^2/NDF: 108.8/47

Right: 140.196+/-355.363 χ^2/NDF: 72.0/58

In: -34.319+/-172.216 χ^2/NDF:66.4/49

Out: -539.749+/-169.223 χ^2/NDF:111.7/56

All: -291.465+/-120.703 χ^2/NDF: 182.5/106



Right In: 1886.763+/-0.358 χ^2/NDF: 3577697.7/26

Left Out: 764.734+/-0.127 χ^2/NDF:2425556.5/24

Right Out: 1930.996+/-0.353 χ^2/NDF: 4343048.2/31

Left In: 756.927+/-0.129 χ^2/NDF:2115280.1/22

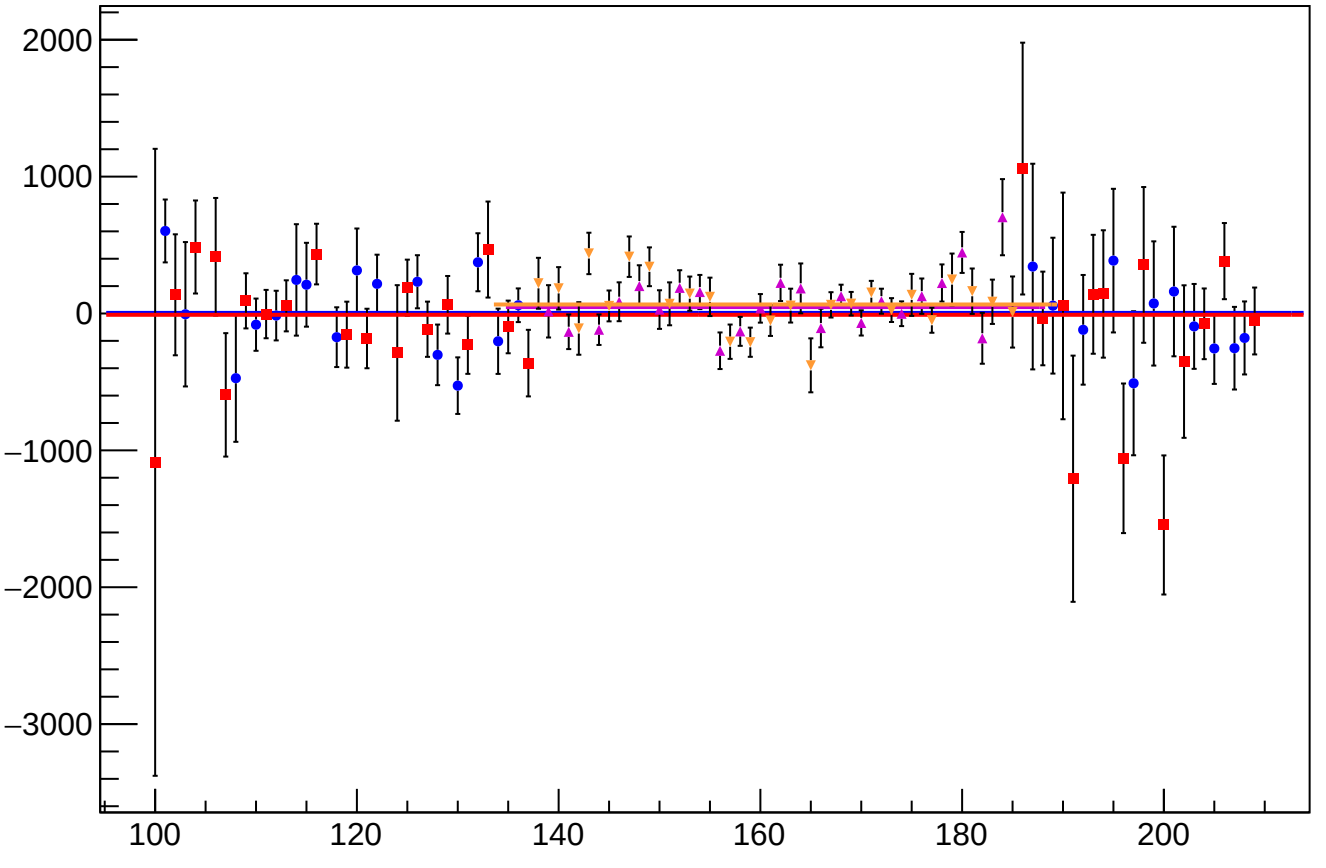
Left: 760.900+/-0.091 χ^2/NDF: 4542686.7/47

Right: 1909.224+/-0.251 χ^2/NDF: 7928490.6/58

In: 887.535+/-0.122 χ^2/NDF:14493701.6/49

Out: 899.027+/-0.120 χ^2/NDF:16447646.2/56

All: 893.382+/-0.085 χ^2/NDF: 30945878.7/10



Right In: 4.243+/-49.347 χ^2/NDF: 29.7/26

Left Out: 65.703+/-25.059 χ^2/NDF:40.0/24

Right Out: -9.530+/-50.102 χ^2/NDF: 36.4/31

Left In: 47.038+/-25.696 χ^2/NDF:38.6/22

Left: 56.604+/-17.941 χ^2/NDF: 78.9/47

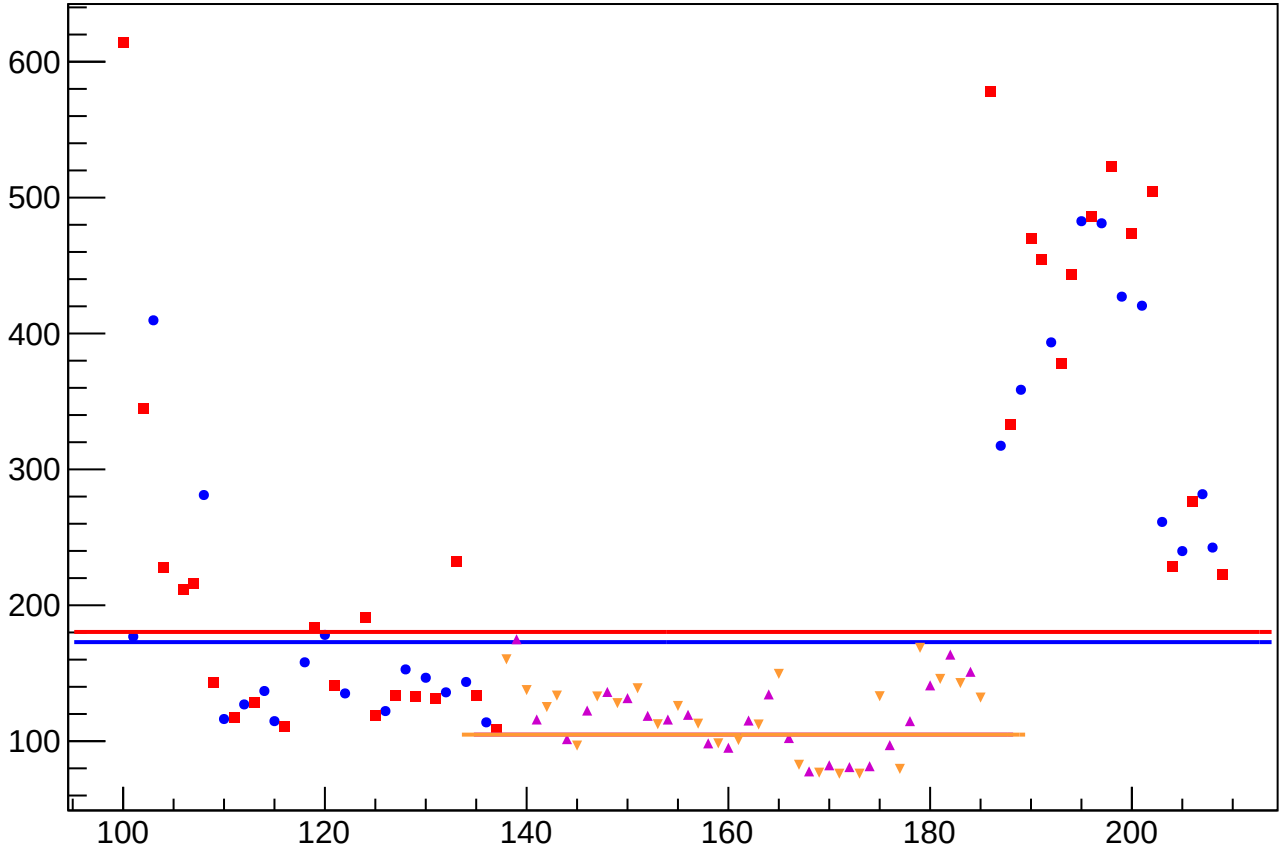
Right: -2.539+/-35.157 χ^2/NDF: 66.2/58

In: 37.909+/-22.791 χ^2/NDF:68.9/49

Out: 50.648+/-22.412 χ^2/NDF:78.3/56

All: 44.385+/-15.980 χ^2/NDF: 147.3/106

eigen_dit_asym_sam3_rms vs Slug, Sign Corrected



Right In: 172.892+/-0.035 χ^2/NDF: 5924677.6/26

Left Out: 104.810+/-0.018 χ^2/NDF:2242815.0/24

Right Out: 180.371+/-0.035 χ^2/NDF: 7297516.4/31

Left In: 104.835+/-0.018 χ^2/NDF:1614484.2/22

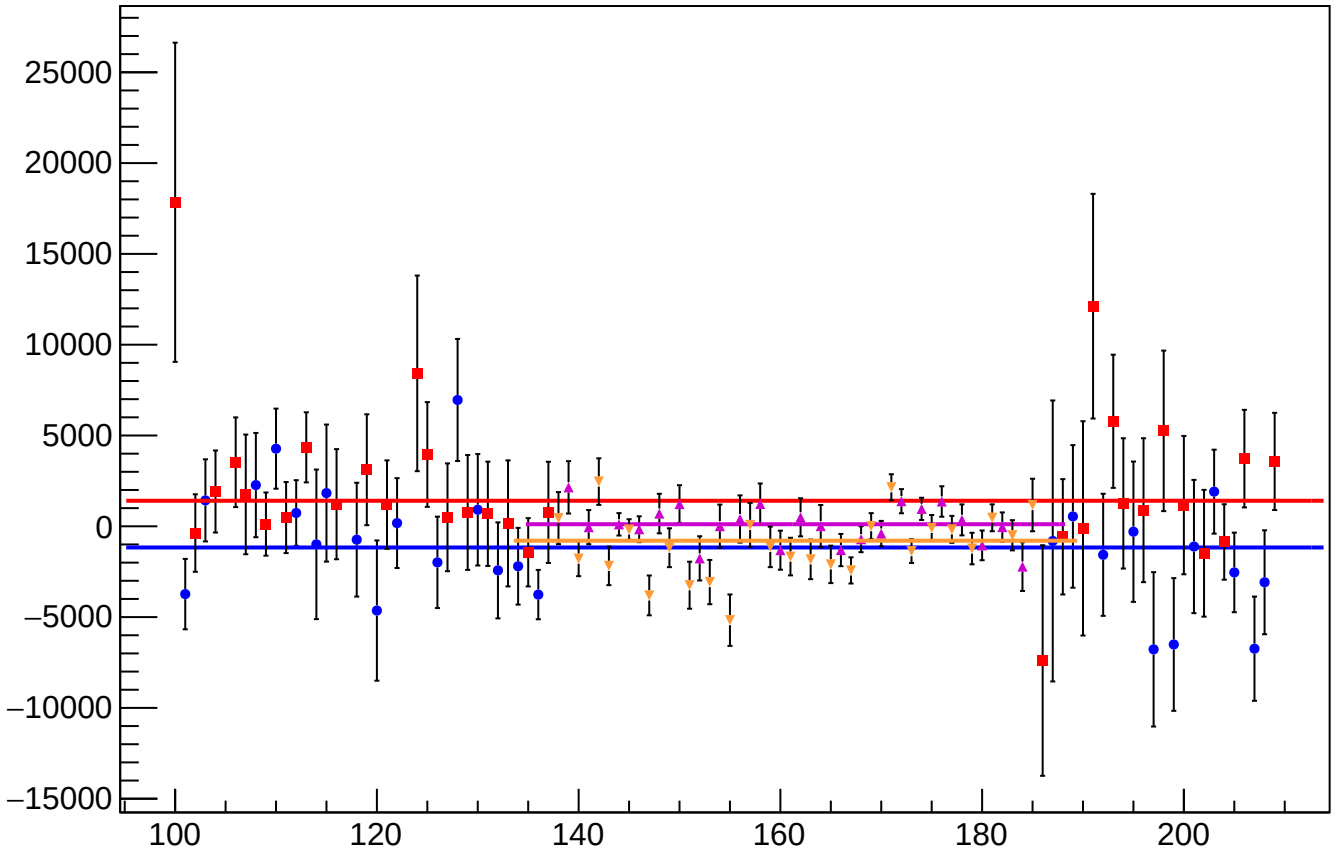
Left: 104.822+/-0.013 χ^2/NDF: 3857300.1/47

Right: 176.575+/-0.025 χ^2/NDF: 13244815.1/58

In: 119.353+/-0.016 χ^2/NDF:10531847.6/49

Out: 119.931+/-0.016 χ^2/NDF:13179042.4/56

All: 119.646+/-0.011 χ^2/NDF: 23711544.2/10



Right In: -1166.591+/-506.519 χ^2/NDF: 34.5/26

Left Out: -793.071+/-179.896 χ^2/NDF:70.0/24

Right Out: 1406.896+/-498.689 χ^2/NDF: 24.4/31

Left In: 113.680+/-183.125 χ^2/NDF:26.3/22

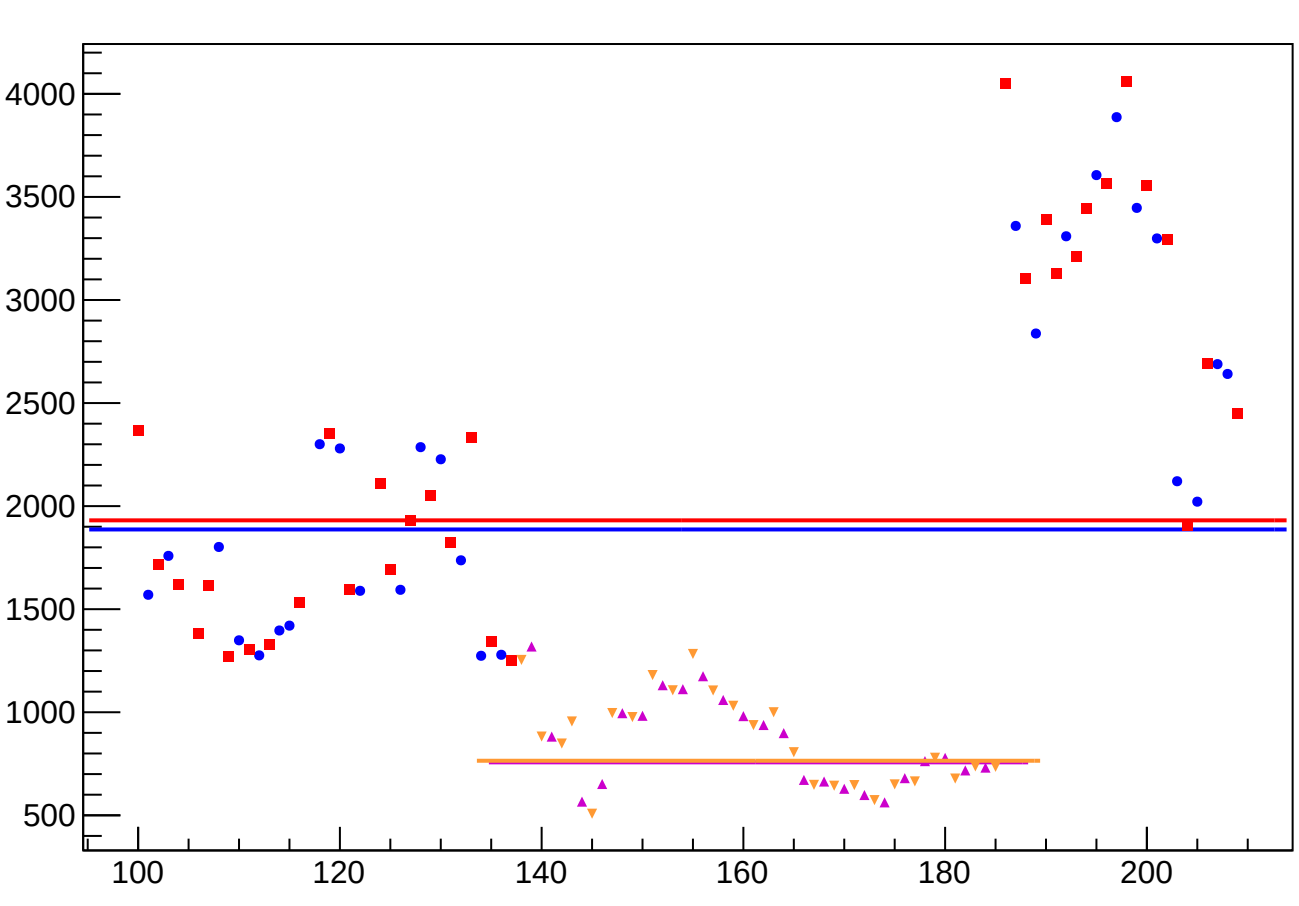
Left: -347.761+/-128.332 χ^2/NDF: 108.8/47

Right: 140.197+/-355.362 χ^2/NDF: 72.0/58

In: -34.319+/-172.216 χ^2/NDF:66.4/49

Out: -539.749+/-169.222 χ^2/NDF:111.7/56

All: -291.465+/-120.703 χ^2/NDF: 182.5/106



Right In: 1886.762+/-0.358 χ^2/NDF: 3577697.2/26

Left Out: 764.734+/-0.127 χ^2/NDF:2425549.9/24

Right Out: 1930.994+/-0.353 χ^2/NDF: 4343049.3/31

Left In: 756.926+/-0.129 χ^2/NDF:2115275.0/22

Left: 760.899+/-0.091 χ^2/NDF: 4542675.0/47

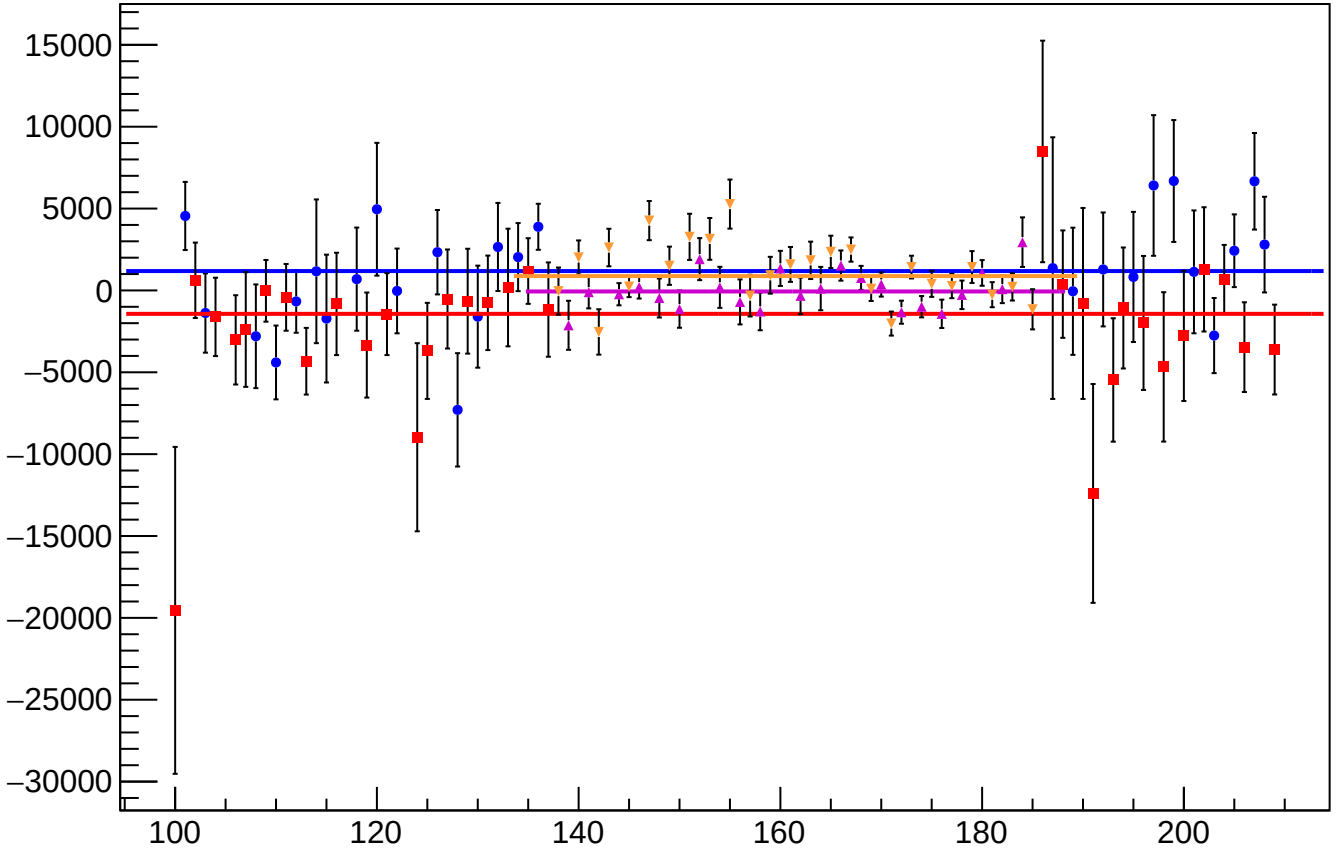
Right: 1909.222+/-0.251 χ^2/NDF: 7928491.0/58

In: 887.534+/-0.122 χ^2/NDF:14493696.4/49

Out: 899.026+/-0.120 χ^2/NDF:16447633.4/56

All: 893.381+/-0.085 χ^2/NDF: 30945860.7/10

asym_sam3_mean vs Slug, Sign Corrected



Right In: 1182.809+/-522.600 χ^2/NDF: 36.0/26

Left Out: 876.482+/-188.998 χ^2/NDF:67.3/24

Right Out: -1430.603+/-521.610 χ^2/NDF: 21.8/31

Left In: -62.754+/-191.596 χ^2/NDF:27.1/22

Left: 413.275+/-134.551 χ^2/NDF: 106.6/47

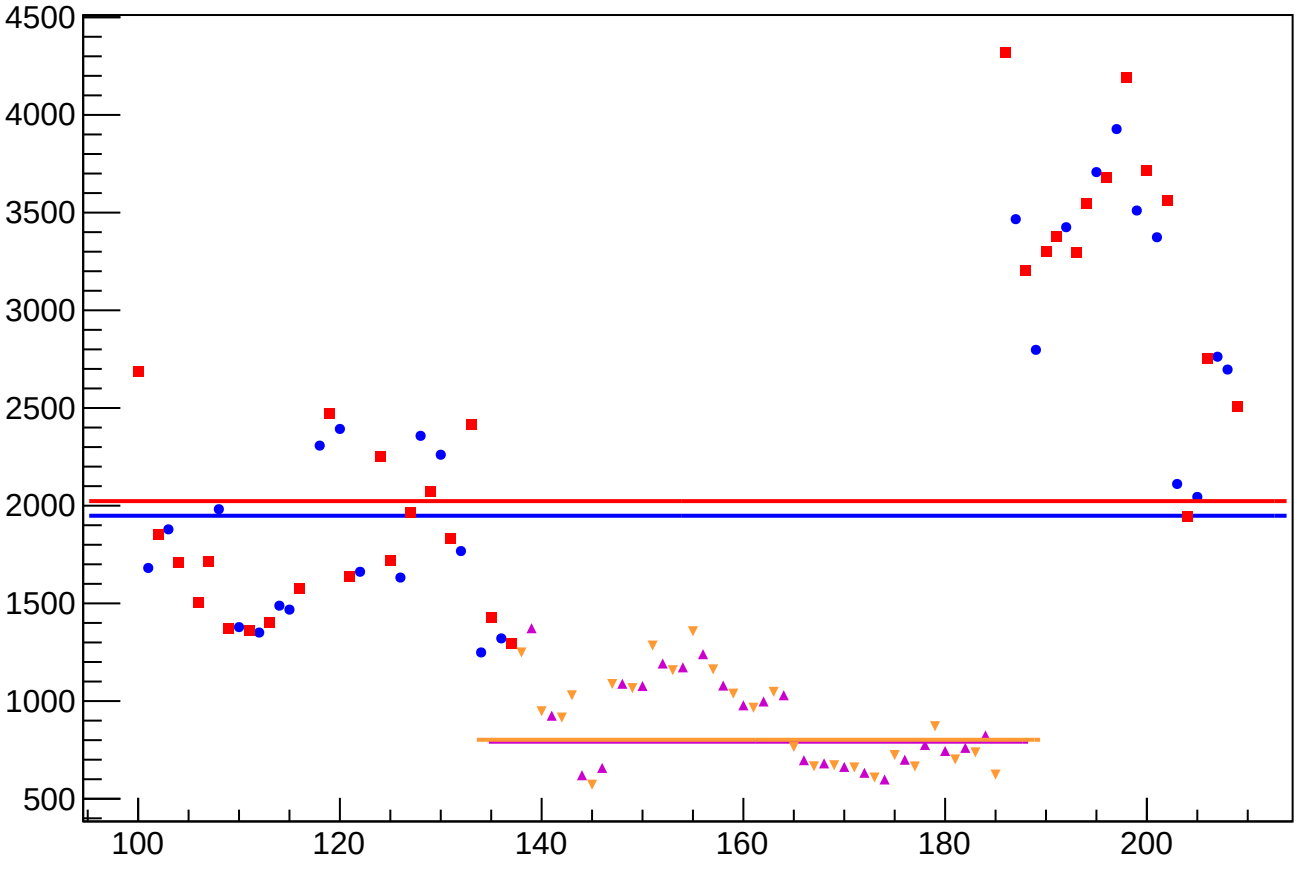
Right: -126.375+/-369.183 χ^2/NDF: 70.3/58

In: 84.827+/-179.888 χ^2/NDF:68.1/49

Out: 608.741+/-177.693 χ^2/NDF:106.4/56

All: 349.999+/-126.417 χ^2/NDF: 178.8/106

asym_sam3_rms vs Slug, Sign Corrected



Right In: 1948.512+/-0.370 χ^2/NDF: 3479467.3/26

Left Out: 802.014+/-0.134 χ^2/NDF:2396024.4/24

Right Out: 2023.441+/-0.369 χ^2/NDF: 4183528.8/31

Left In: 792.060+/-0.135 χ^2/NDF:2135575.6/22

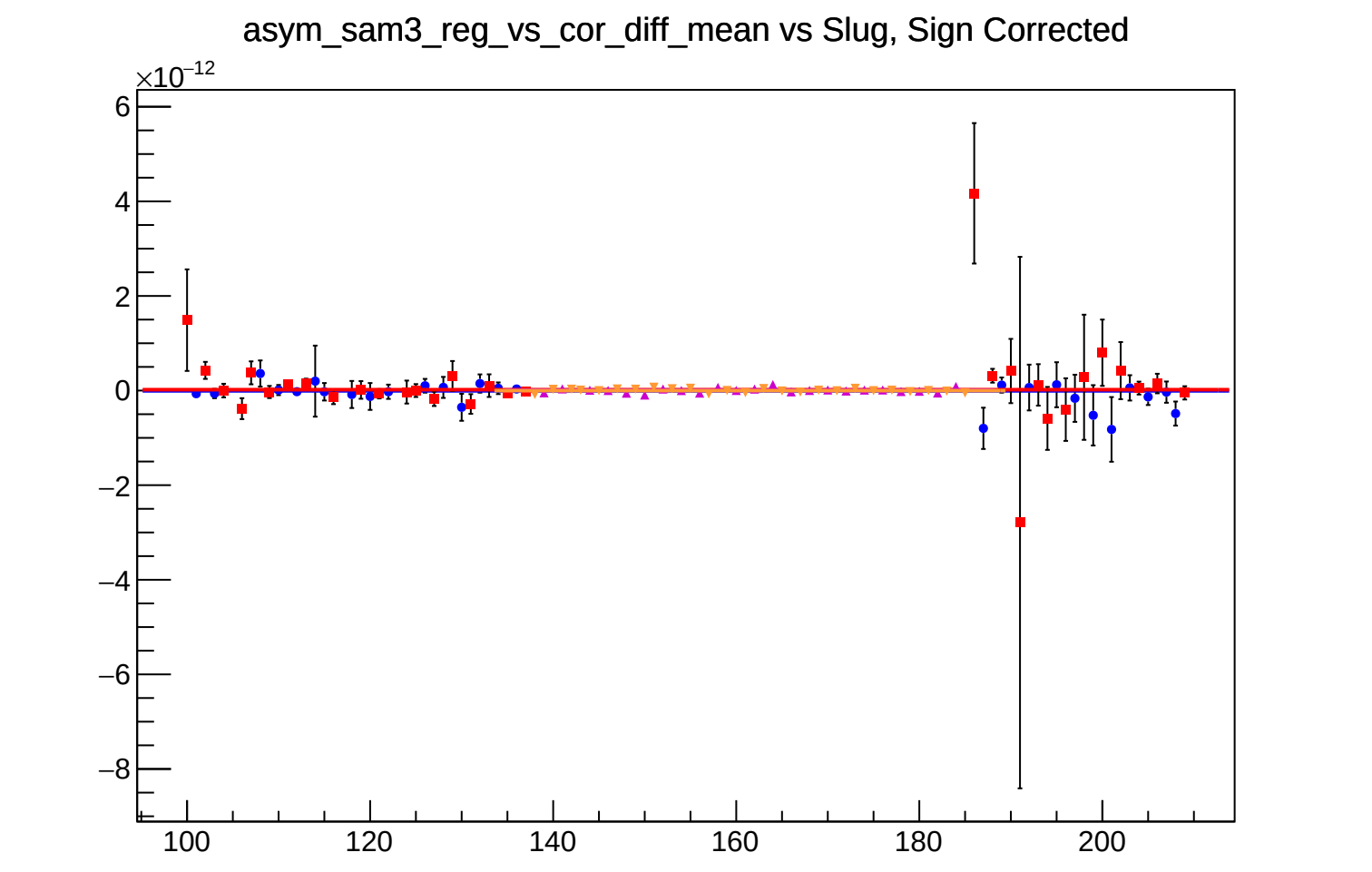
Left: 797.105+/-0.095 χ^2/NDF: 4534335.9/47

Right: 1986.048+/-0.261 χ^2/NDF: 7683592.4/58

In: 929.083+/-0.127 χ^2/NDF:14248331.6/49

Out: 943.763+/-0.126 χ^2/NDF:16273502.6/56

All: 936.513+/-0.089 χ^2/NDF: 30528575.3/10



Right In: -0.000+/-0.000 χ^2/NDF: 17.3/26

Left Out: -0.000+/-0.000 χ^2/NDF:24.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 40.0/31

Left In: 0.000+/-0.000 χ^2/NDF:31.5/22

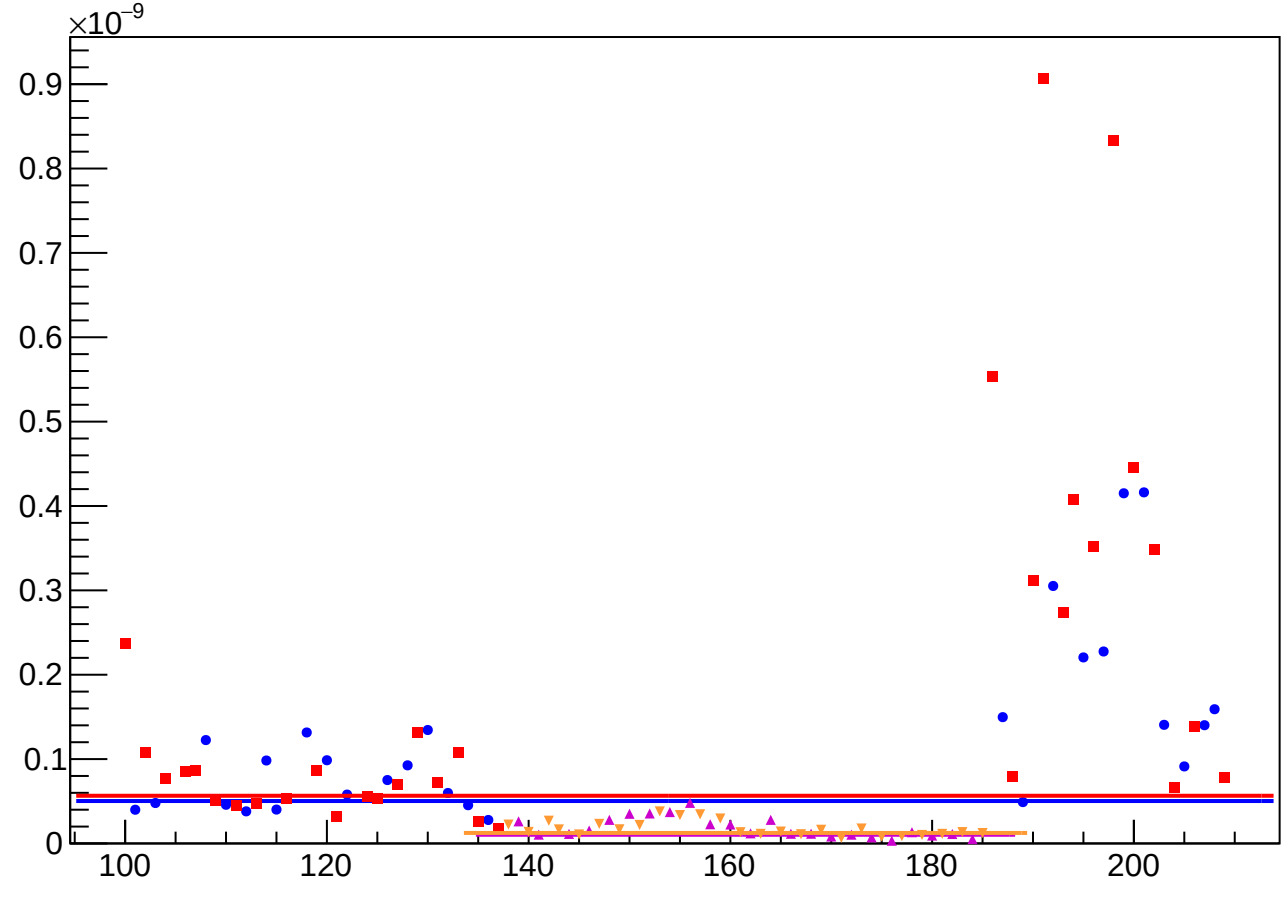
Left: 0.000+/-0.000 χ^2/NDF: 56.6/47

Right: 0.000+/-0.000 χ^2/NDF: 57.7/58

In: 0.000+/-0.000 χ^2/NDF:49.1/49

Out: -0.000+/-0.000 χ^2/NDF:64.4/56

All: 0.000+/-0.000 χ^2/NDF: 114.4/106



Right In: 0.000+/-0.000 χ^2/NDF: 4744986.7/26

Left Out: 0.000+/-0.000 χ^2/NDF:2214354.7/24

Right Out: 0.000+/-0.000 χ^2/NDF: 5800372.4/31

Left In: 0.000+/-0.000 χ^2/NDF:3679061.1/22

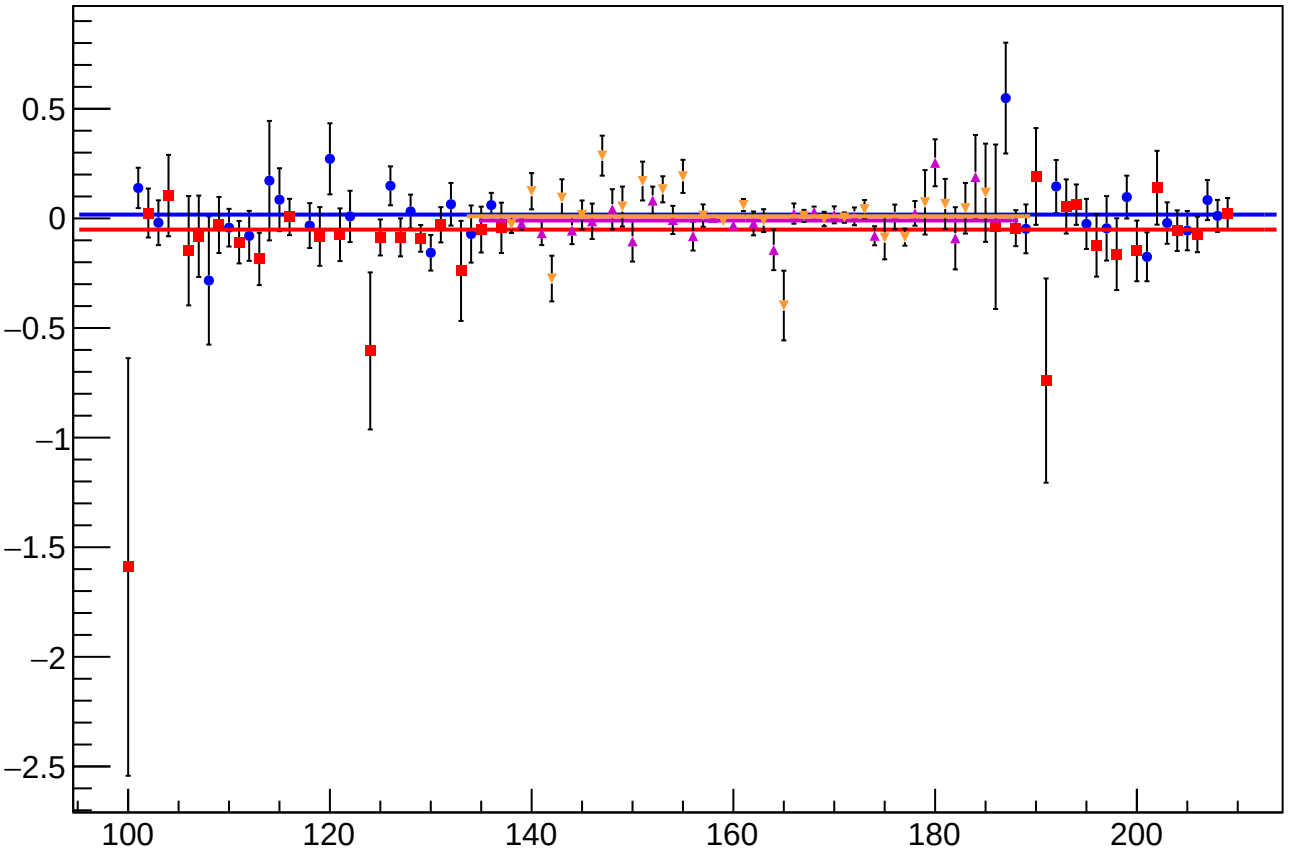
Left: 0.000+/-0.000 χ^2/NDF: 6061170.6/47

Right: 0.000+/-0.000 χ^2/NDF: 10599122.1/58

In: 0.000+/-0.000 χ^2/NDF:13023655.2/49

Out: 0.000+/-0.000 χ^2/NDF:12806082.6/56

All: 0.000+/-0.000 χ^2/NDF: 26038994.5/106



Right In: 0.017+/-0.019 χ^2/NDF: 26.7/26

Left Out: 0.010+/-0.008 χ^2/NDF:54.6/24

Right Out: -0.051+/-0.020 χ^2/NDF: 19.4/31

Left In: -0.009+/-0.008 χ^2/NDF:25.2/22

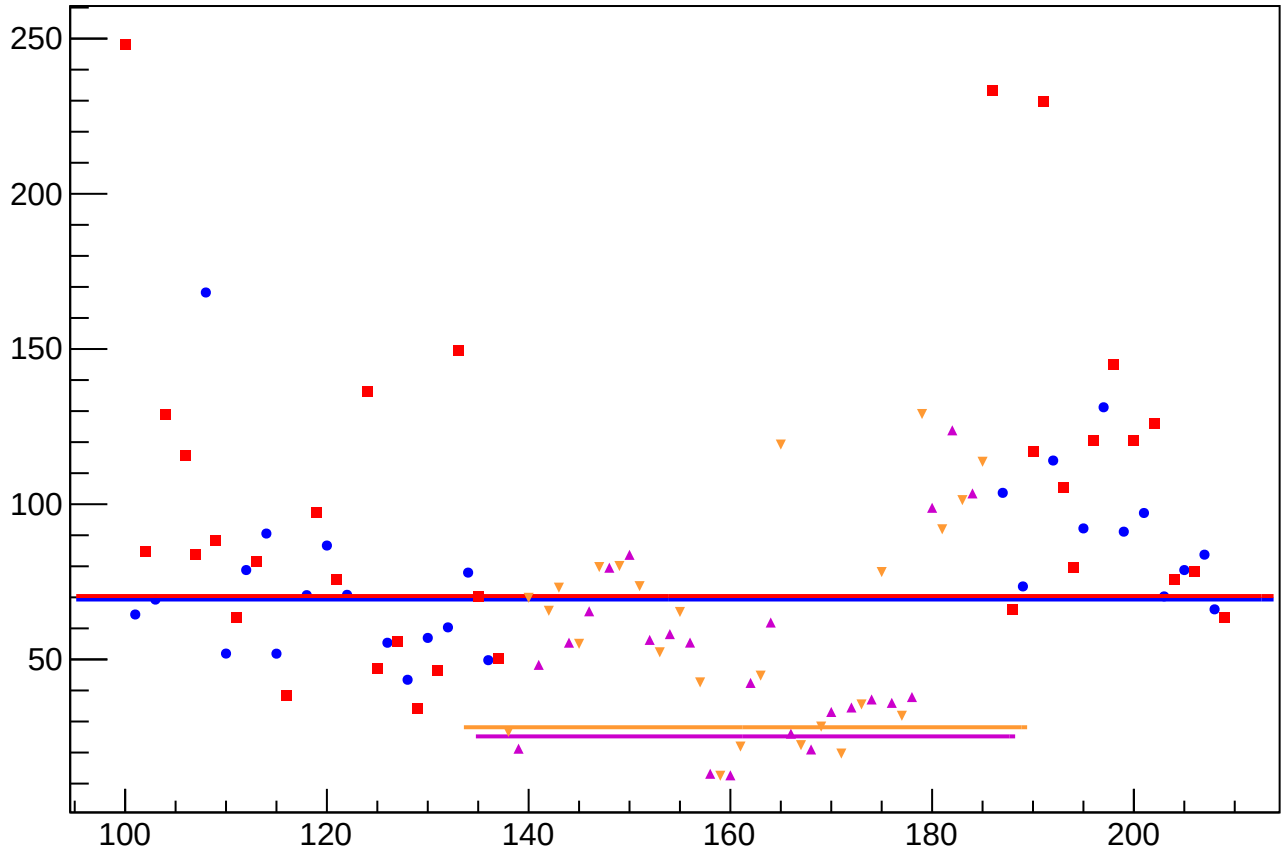
Left: -0.001+/-0.006 χ^2/NDF: 82.5/47

Right: -0.016+/-0.014 χ^2/NDF: 52.2/58

In: -0.006+/-0.007 χ^2/NDF:53.6/49

Out: 0.000+/-0.008 χ^2/NDF:82.0/56

All: -0.003+/-0.005 χ^2/NDF: 135.8/106



Right In: 69.305+/-0.014 χ^2/NDF: 2041213.0/26

Left Out: 28.151+/-0.006 χ^2/NDF:11070747.0/24

Right Out: 70.419+/-0.014 χ^2/NDF: 4370449.0/31

Left In: 25.206+/-0.006 χ^2/NDF:9964049.2/22

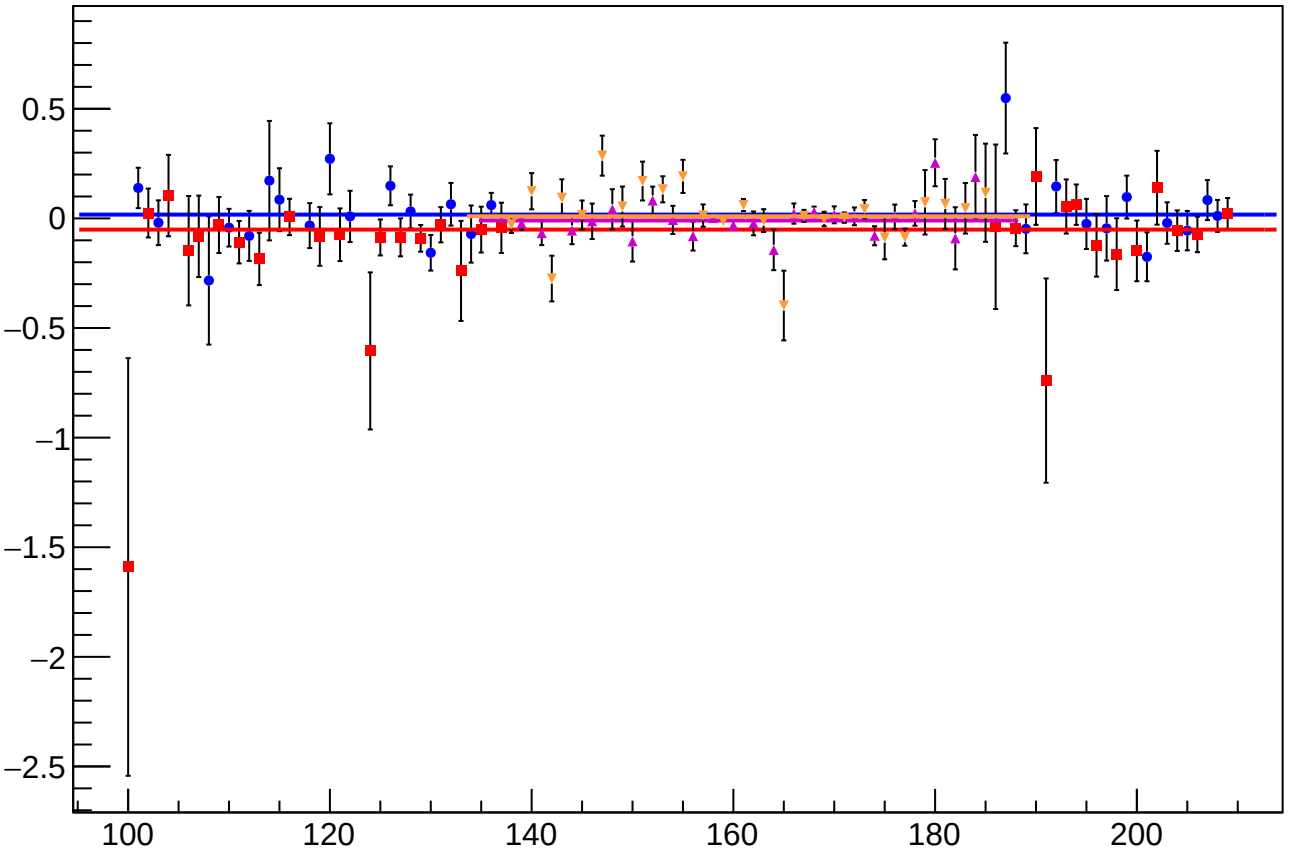
Left: 26.582+/-0.004 χ^2/NDF: 21163962.5/47

Right: 69.852+/-0.010 χ^2/NDF: 6414908.4/58

In: 31.515+/-0.005 χ^2/NDF:20867051.4/49

Out: 34.711+/-0.005 χ^2/NDF:23193910.4/56

All: 33.020+/-0.004 χ^2/NDF: 44239872.8/106



Right In: 0.017+/-0.019 χ^2/NDF: 26.7/26

Left Out: 0.010+/-0.008 χ^2/NDF:54.6/24

Right Out: -0.051+/-0.020 χ^2/NDF: 19.4/31

Left In: -0.009+/-0.008 χ^2/NDF:25.2/22

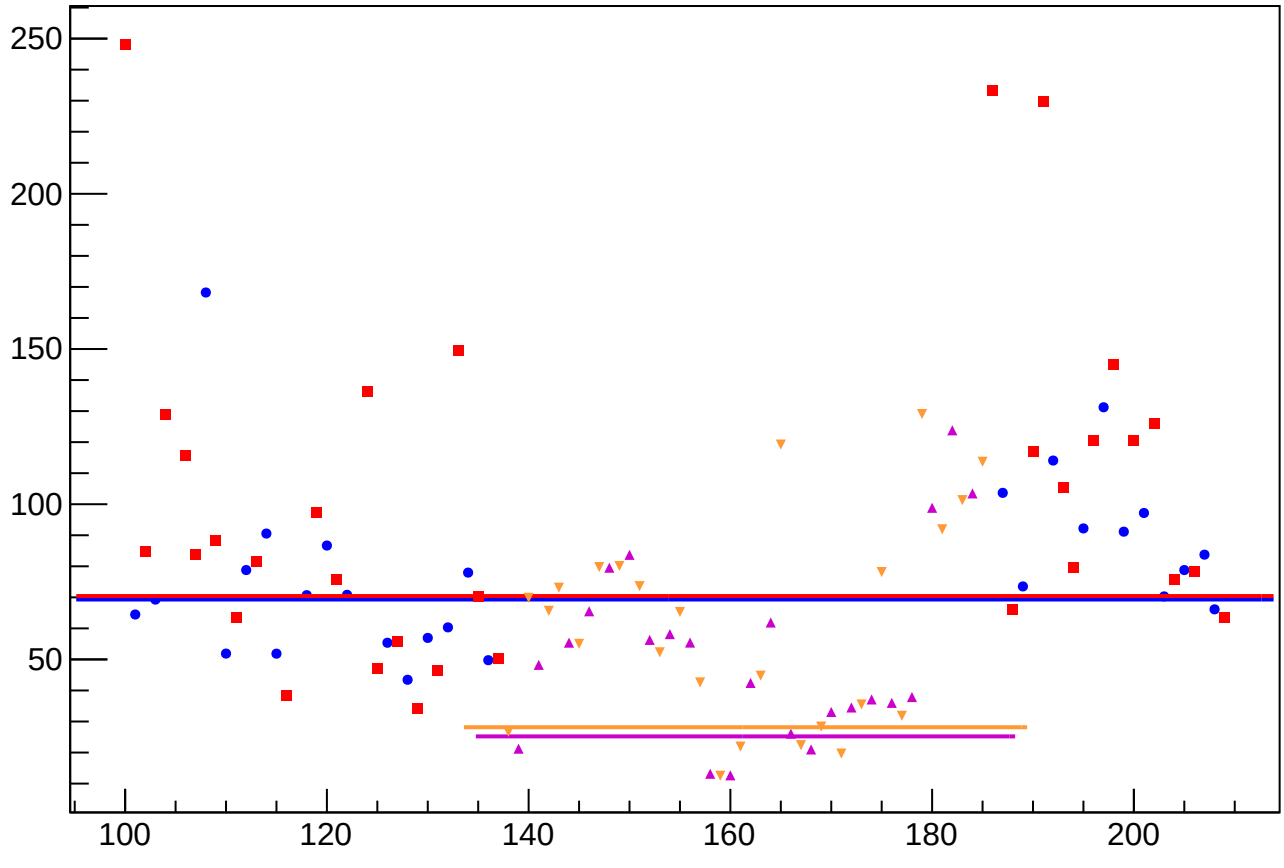
Left: -0.001+/-0.006 χ^2/NDF: 82.5/47

Right: -0.016+/-0.014 χ^2/NDF: 52.2/58

In: -0.006+/-0.007 χ^2/NDF:53.6/49

Out: 0.000+/-0.008 χ^2/NDF:82.0/56

All: -0.003+/-0.005 χ^2/NDF: 135.8/106



Right In: 69.305+/-0.014 χ^2/NDF: 2041213.0/26

Left Out: 28.151+/-0.006 χ^2/NDF:11070747.0/24

Right Out: 70.419+/-0.014 χ^2/NDF: 4370449.0/31

Left In: 25.206+/-0.006 χ^2/NDF:9964049.2/22

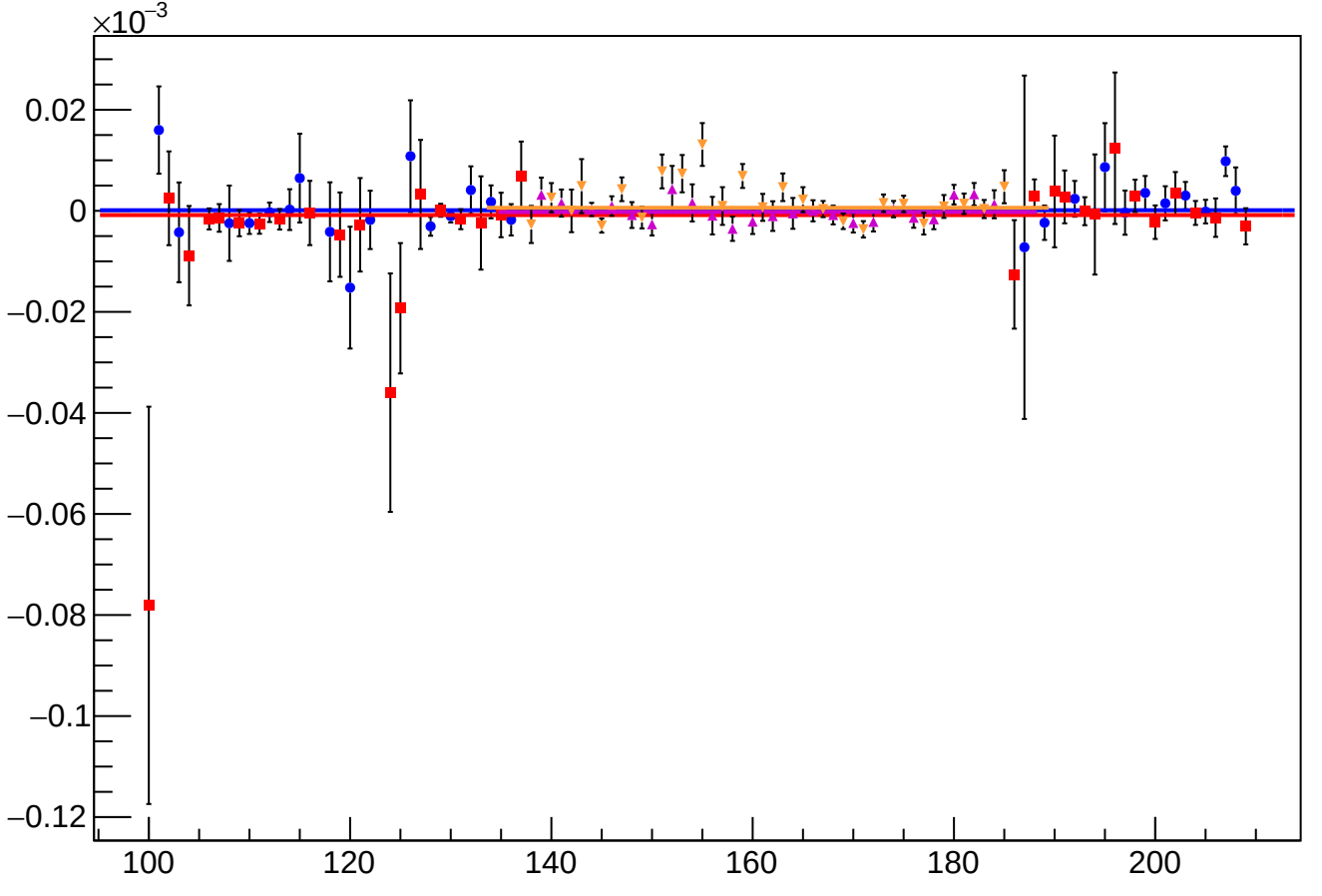
Left: 26.582+/-0.004 χ^2/NDF: 21163962.5/47

Right: 69.852+/-0.010 χ^2/NDF: 6414908.4/58

In: 31.515+/-0.005 χ^2/NDF:20867051.4/49

Out: 34.711+/-0.005 χ^2/NDF:23193910.4/56

All: 33.020+/-0.004 χ^2/NDF: 44239872.8/106



Right In: 0.000+/-0.000 χ^2/NDF: 29.7/26

Left Out: 0.000+/-0.000 χ^2/NDF:52.3/24

Right Out: -0.000+/-0.000 χ^2/NDF: 19.9/31

Left In: -0.000+/-0.000 χ^2/NDF:16.5/22

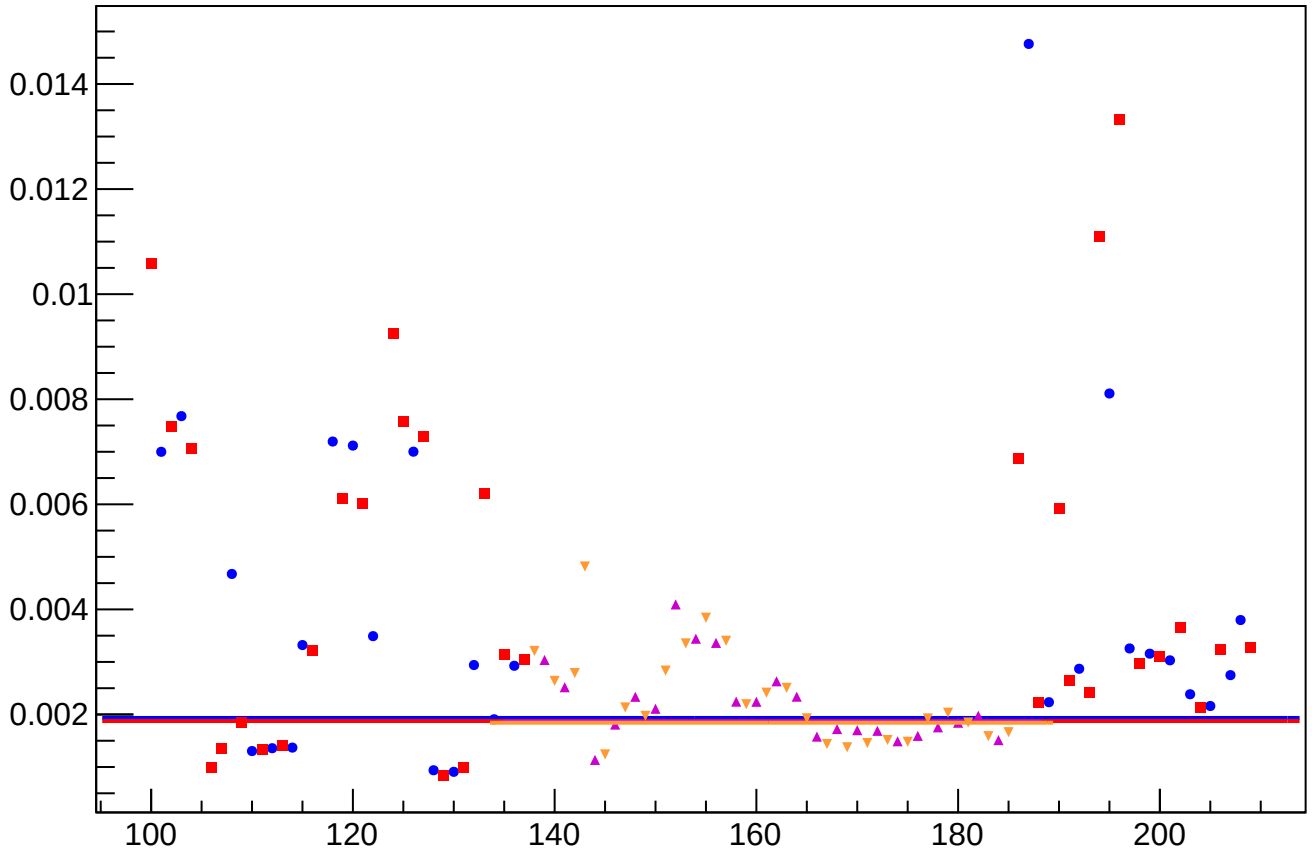
Left: 0.000+/-0.000 χ^2/NDF: 70.6/47

Right: -0.000+/-0.000 χ^2/NDF: 50.8/58

In: -0.000+/-0.000 χ^2/NDF:46.4/49

Out: 0.000+/-0.000 χ^2/NDF:76.0/56

All: -0.000+/-0.000 χ^2/NDF: 122.6/106



Right In: 0.002+/-0.000 χ^2/NDF: 8460860.7/26

Left Out: 0.002+/-0.000 χ^2/NDF:3783185.4/24

Right Out: 0.002+/-0.000 χ^2/NDF: 11221852.3/31

Left In: 0.002+/-0.000 χ^2/NDF:2794135.0/22

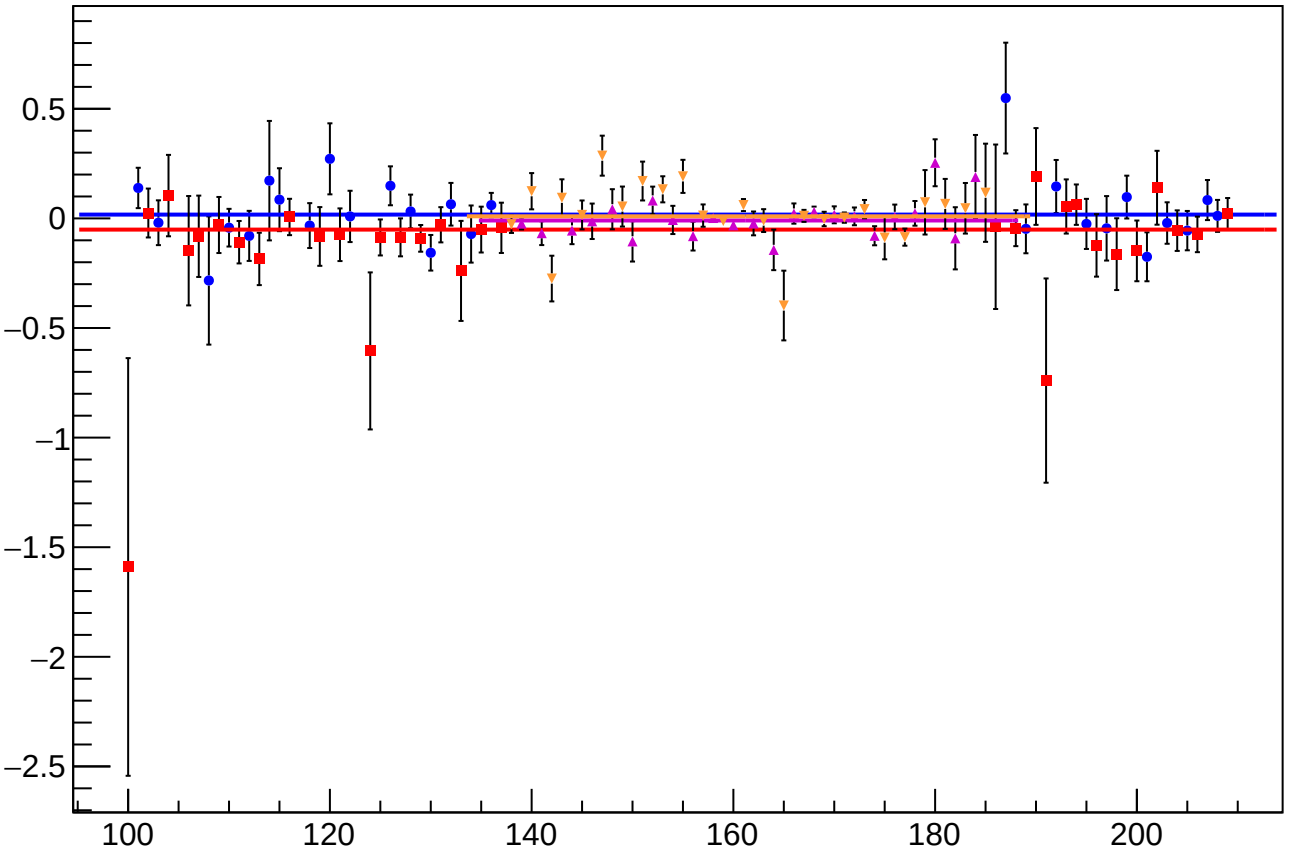
Left: 0.002+/-0.000 χ^2/NDF: 6579632.9/47

Right: 0.002+/-0.000 χ^2/NDF: 19692320.0/58

In: 0.002+/-0.000 χ^2/NDF:11271344.6/49

Out: 0.002+/-0.000 χ^2/NDF:15008799.4/56

All: 0.002+/-0.000 χ^2/NDF: 26289656.0/106



Right In: 0.017+/-0.019 χ^2/NDF: 26.7/26

Left Out: 0.010+/-0.008 χ^2/NDF:54.6/24

Right Out: -0.051+/-0.020 χ^2/NDF: 19.4/31

Left In: -0.009+/-0.008 χ^2/NDF:25.2/22

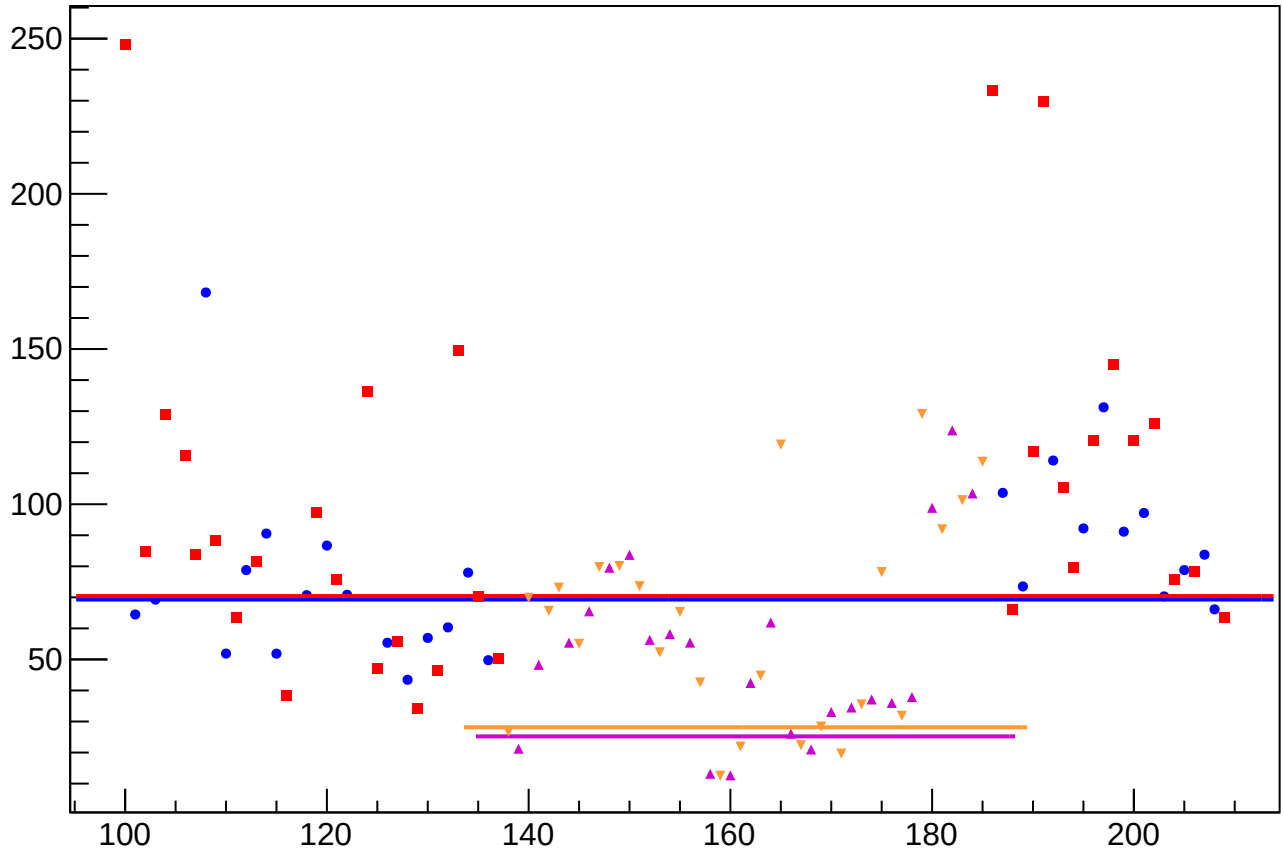
Left: -0.001+/-0.006 χ^2/NDF: 82.5/47

Right: -0.016+/-0.014 χ^2/NDF: 52.2/58

In: -0.006+/-0.007 χ^2/NDF:53.6/49

Out: 0.000+/-0.008 χ^2/NDF:82.0/56

All: -0.003+/-0.005 χ^2/NDF: 135.8/106



Right In: 69.305+/-0.014 χ^2/NDF: 2041194.7/26

Left Out: 28.150+/-0.006 χ^2/NDF:11071818.3/24

Right Out: 70.421+/-0.014 χ^2/NDF: 4370487.5/31

Left In: 25.205+/-0.006 χ^2/NDF:9964548.1/22

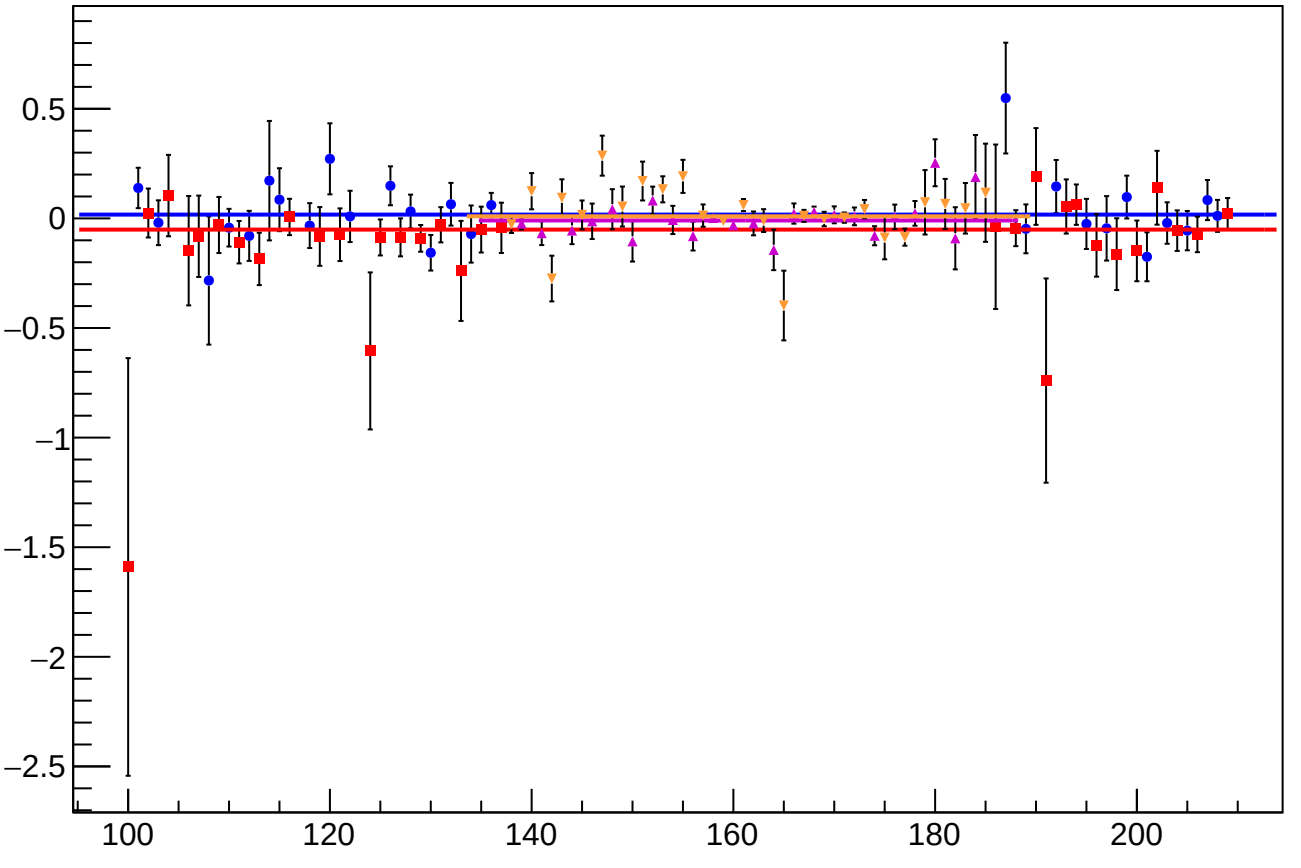
Left: 26.582+/-0.004 χ^2/NDF: 21165461.1/47

Right: 69.853+/-0.010 χ^2/NDF: 6414930.7/58

In: 31.514+/-0.005 χ^2/NDF:20867763.1/49

Out: 34.710+/-0.005 χ^2/NDF:23195693.9/56

All: 33.019+/-0.004 χ^2/NDF: 44242280.6/106



Right In: 0.017+/-0.019 χ^2/NDF: 26.7/26

Left Out: 0.010+/-0.008 χ^2/NDF:54.6/24

Right Out: -0.051+/-0.020 χ^2/NDF: 19.4/31

Left In: -0.009+/-0.008 χ^2/NDF:25.2/22

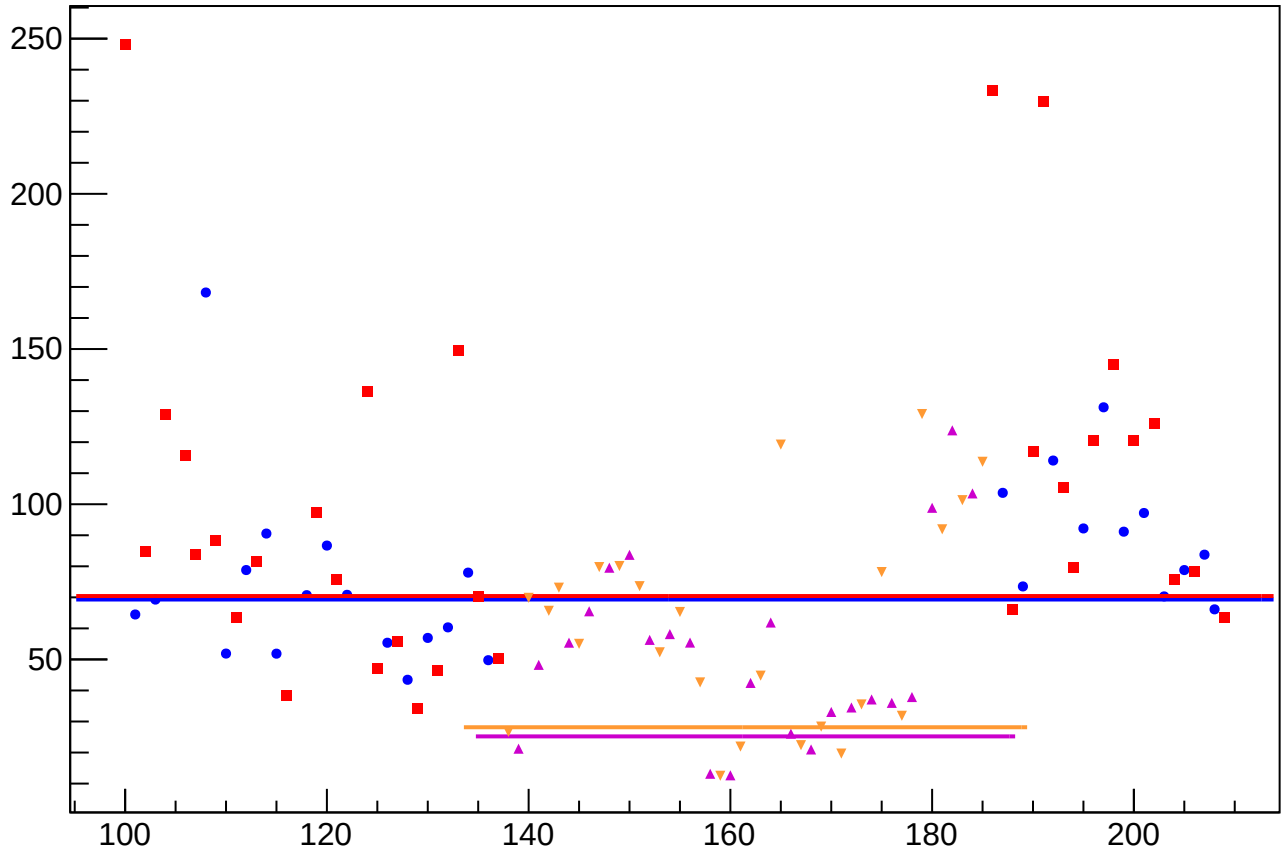
Left: -0.001+/-0.006 χ^2/NDF: 82.5/47

Right: -0.016+/-0.014 χ^2/NDF: 52.2/58

In: -0.006+/-0.007 χ^2/NDF:53.6/49

Out: 0.000+/-0.008 χ^2/NDF:82.0/56

All: -0.003+/-0.005 χ^2/NDF: 135.8/106



Right In: 69.305+/-0.014 χ^2/NDF: 2041194.7/26

Left Out: 28.150+/-0.006 χ^2/NDF:11071818.3/24

Right Out: 70.421+/-0.014 χ^2/NDF: 4370487.5/31

Left In: 25.205+/-0.006 χ^2/NDF:9964548.1/22

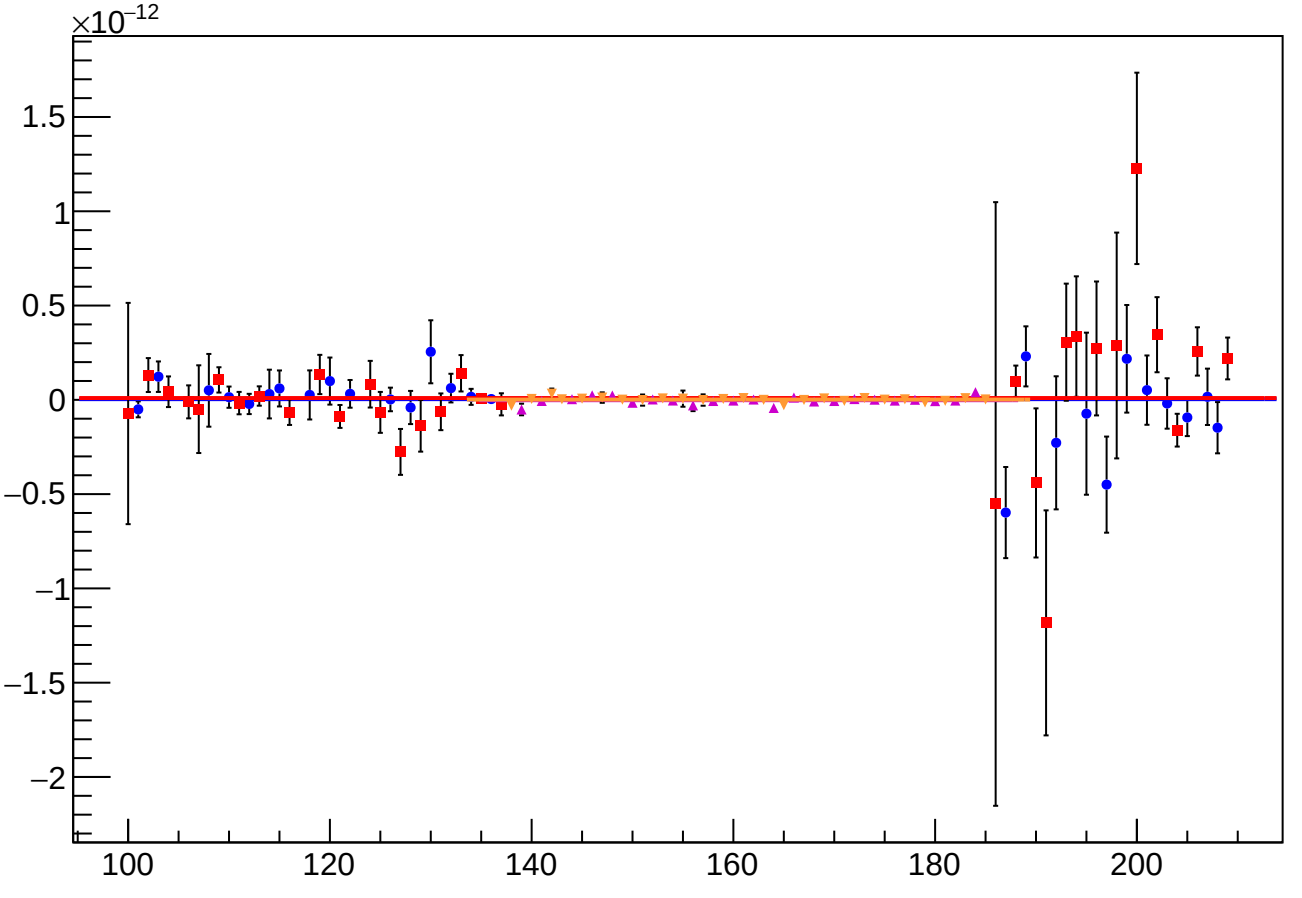
Left: 26.582+/-0.004 χ^2/NDF: 21165461.1/47

Right: 69.853+/-0.010 χ^2/NDF: 6414930.7/58

In: 31.514+/-0.005 χ^2/NDF:20867763.1/49

Out: 34.710+/-0.005 χ^2/NDF:23195693.9/56

All: 33.019+/-0.004 χ^2/NDF: 44242280.6/106



Right In: 0.000+/-0.000 χ^2/NDF: 23.2/26

Left Out: 0.000+/-0.000 χ^2/NDF:11.3/24

Right Out: 0.000+/-0.000 χ^2/NDF: 49.0/31

Left In: -0.000+/-0.000 χ^2/NDF:20.8/22

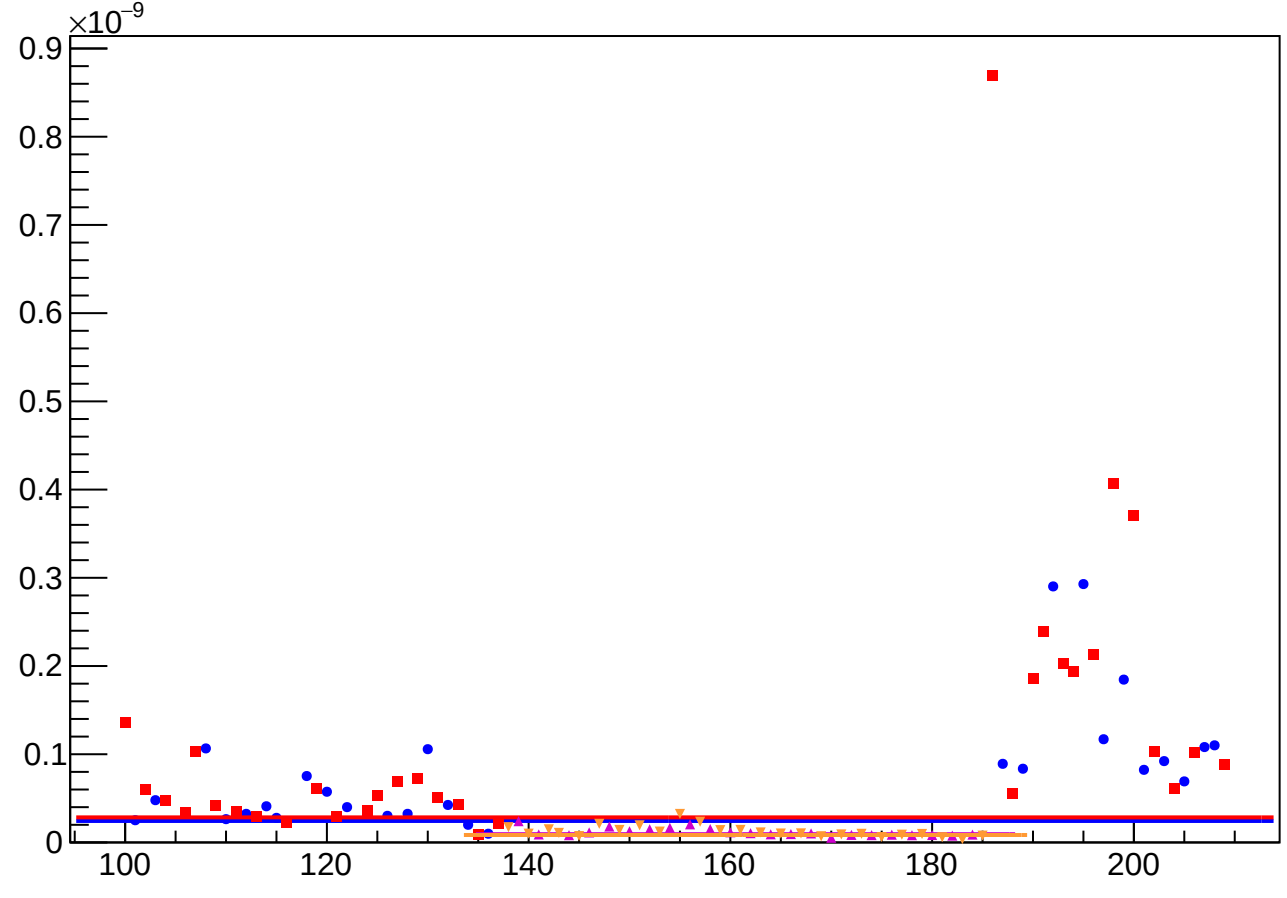
Left: -0.000+/-0.000 χ^2/NDF: 32.7/47

Right: 0.000+/-0.000 χ^2/NDF: 72.3/58

In: -0.000+/-0.000 χ^2/NDF:44.3/49

Out: 0.000+/-0.000 χ^2/NDF:60.6/56

All: 0.000+/-0.000 χ^2/NDF: 105.6/106



Right In: 0.000+/-0.000 χ^2/NDF: 9150831.3/26

Left Out: 0.000+/-0.000 χ^2/NDF:4343727.1/24

Right Out: 0.000+/-0.000 χ^2/NDF: 10393057.0/31

Left In: 0.000+/-0.000 χ^2/NDF:2146041.0/22

Left: 0.000+/-0.000 χ^2/NDF: 6595432.2/47

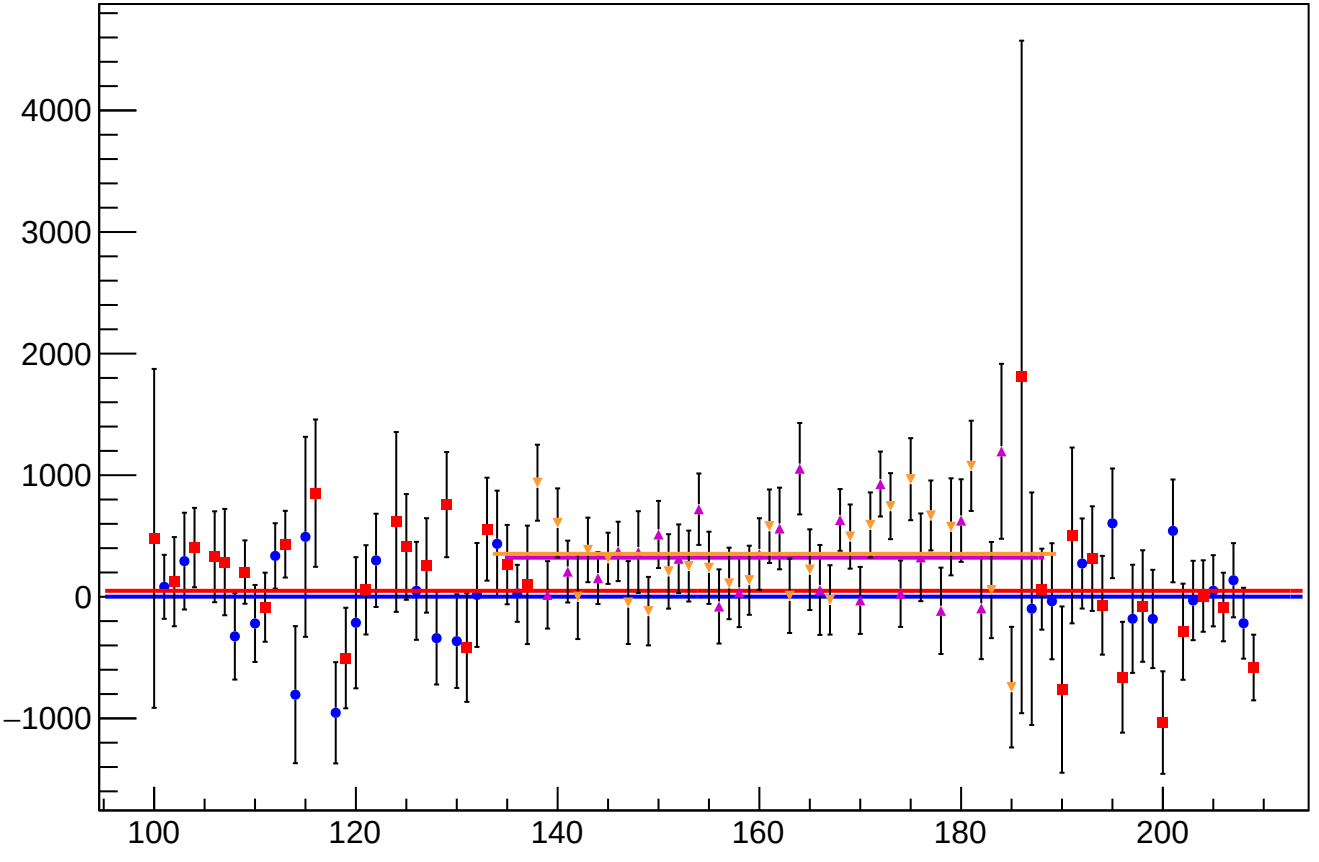
Right: 0.000+/-0.000 χ^2/NDF: 19650772.5/58

In: 0.000+/-0.000 χ^2/NDF:14322965.7/49

Out: 0.000+/-0.000 χ^2/NDF:19278974.9/56

All: 0.000+/-0.000 χ^2/NDF: 33719665.1/106

reg_asym_sam4_mean vs Slug, Sign Corrected



Right In: 1.044+/-70.743 χ^2/NDF: 19.8/26

Left Out: 353.617+/-60.149 χ^2/NDF:32.3/24

Right Out: 49.218+/-68.435 χ^2/NDF: 33.7/31

Left In: 321.510+/-62.113 χ^2/NDF:26.2/22

Left: 338.079+/-43.209 χ^2/NDF: 58.7/47

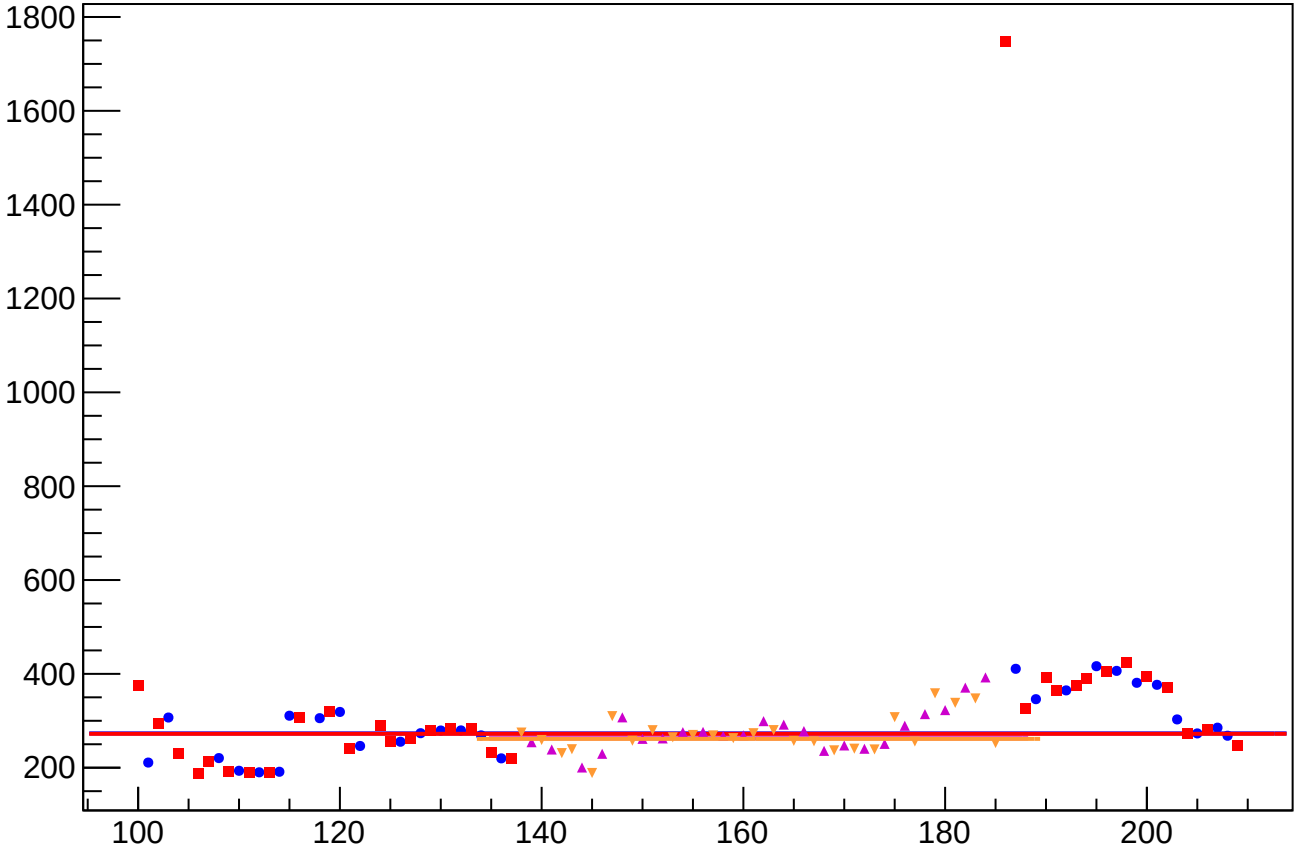
Right: 25.930+/-49.187 χ^2/NDF: 53.8/58

In: 182.006+/-46.675 χ^2/NDF:57.6/49

Out: 220.952+/-45.179 χ^2/NDF:77.2/56

All: 202.114+/-32.462 χ^2/NDF: 135.2/106

reg_asym_sam4_rms vs Slug, Sign Corrected



Right In: 273.165+/-0.050 χ^2/NDF: 1552132.1/26

Left Out: 261.470+/-0.043 χ^2/NDF:715467.9/24

Right Out: 272.228+/-0.048 χ^2/NDF: 2540474.0/31

Left In: 262.616+/-0.044 χ^2/NDF:670646.3/22

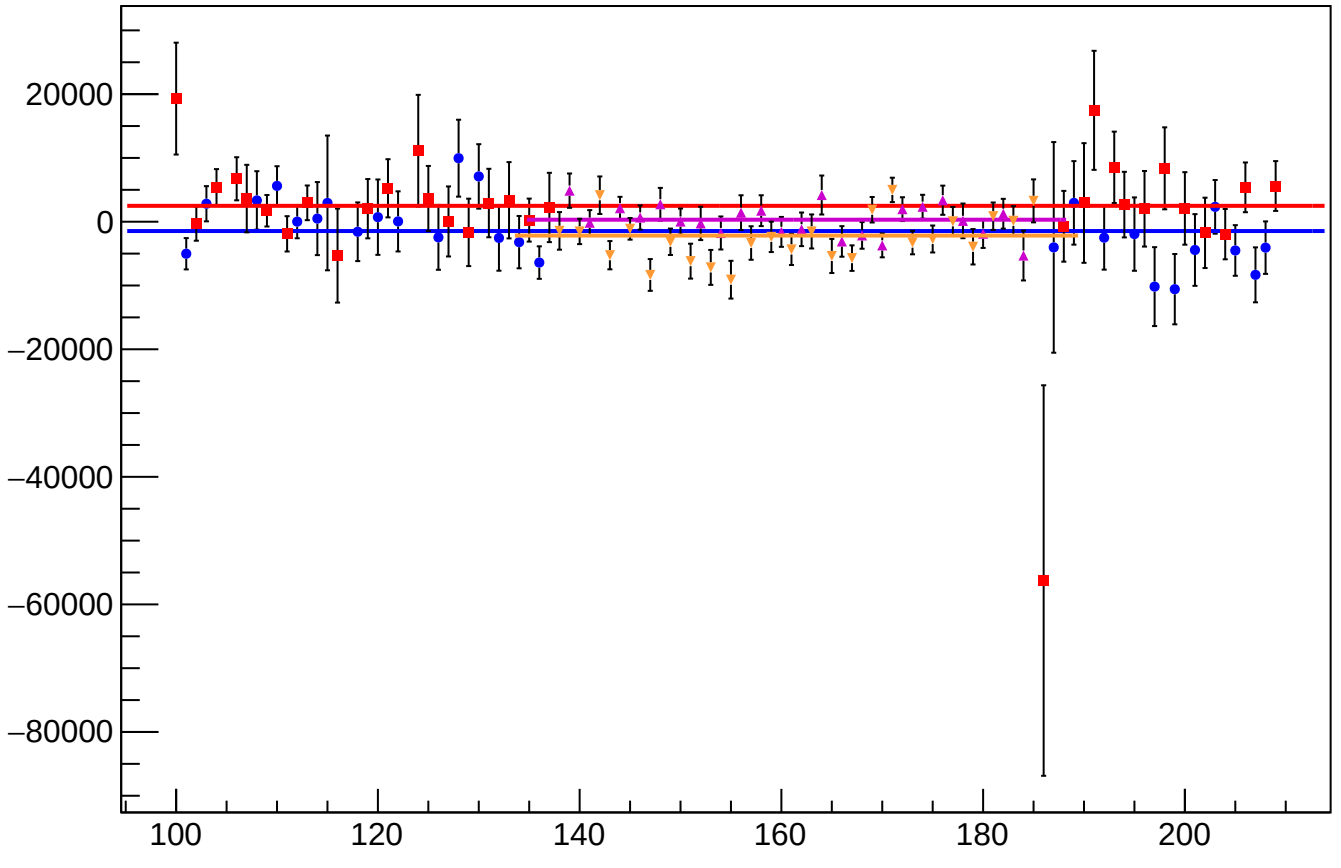
Left: 262.024+/-0.031 χ^2/NDF: 1386465.9/47

Right: 272.681+/-0.035 χ^2/NDF: 4092787.4/58

In: 267.208+/-0.033 χ^2/NDF:2247892.0/49

Out: 266.159+/-0.032 χ^2/NDF:3283828.4/56

All: 266.666+/-0.023 χ^2/NDF: 5532242.7/106



Right In: -1461.995+/-807.200 χ^2/NDF: 32.1/26

Left Out: -2171.840+/-461.649 χ^2/NDF:55.5/24

Right Out: 2489.597+/-769.475 χ^2/NDF: 25.6/31

Left In: 313.739+/-474.086 χ^2/NDF:23.7/22

Left: -962.081+/-330.744 χ^2/NDF: 93.3/47

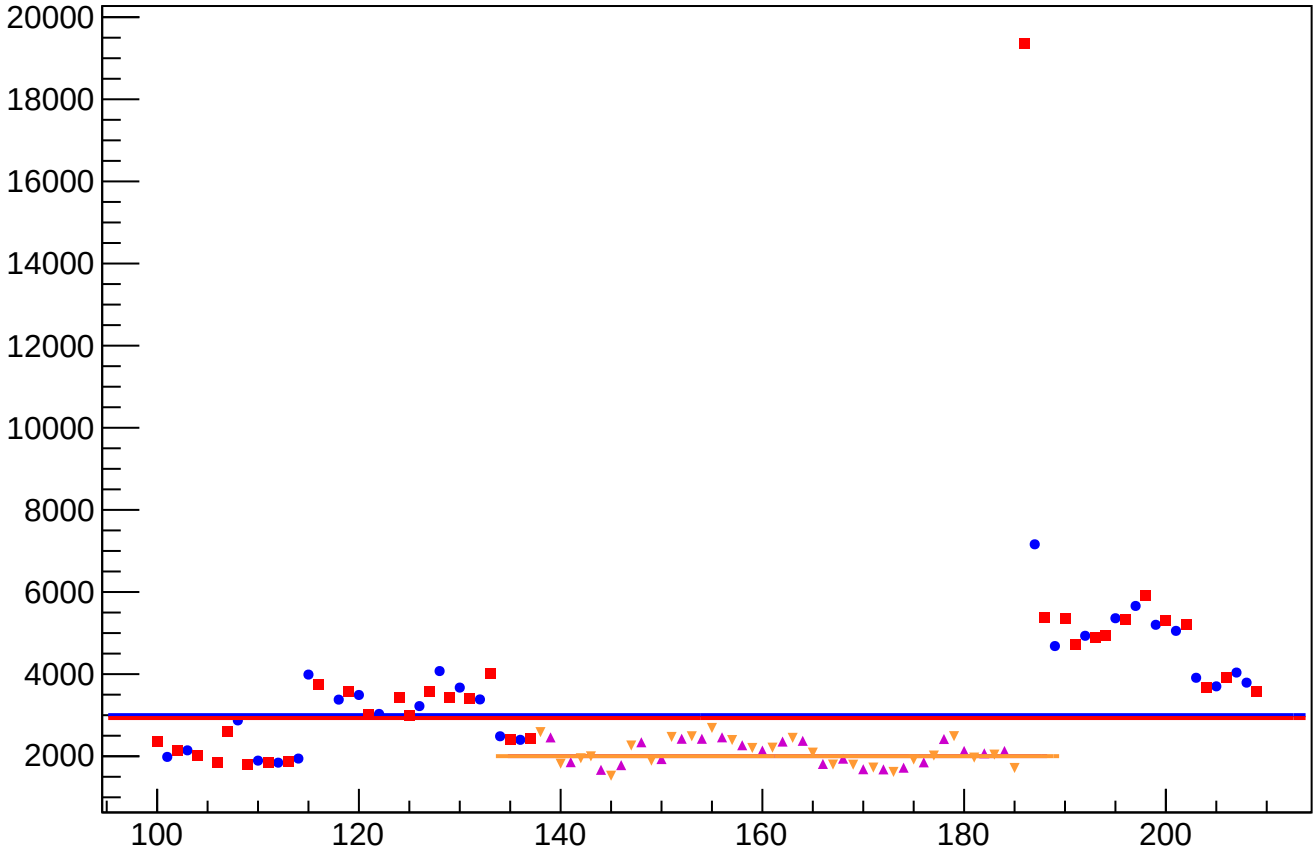
Right: 608.296+/-556.960 χ^2/NDF: 70.2/58

In: -141.695+/-408.794 χ^2/NDF:59.3/49

Out: -938.072+/-395.869 χ^2/NDF:108.1/56

All: -552.672+/-284.381 χ^2/NDF: 169.4/106

asym_sam4_reg_correction_rms vs Slug, Sign Corrected



Right In: 3001.264+/-0.571 χ^2/NDF: 3753810.5/26

Left Out: 2002.229+/-0.326 χ^2/NDF:892707.2/24

Right Out: 2930.356+/-0.544 χ^2/NDF: 5331823.7/31

Left In: 2004.244+/-0.335 χ^2/NDF:704919.9/22

Left: 2003.210+/-0.234 χ^2/NDF: 1597645.7/47

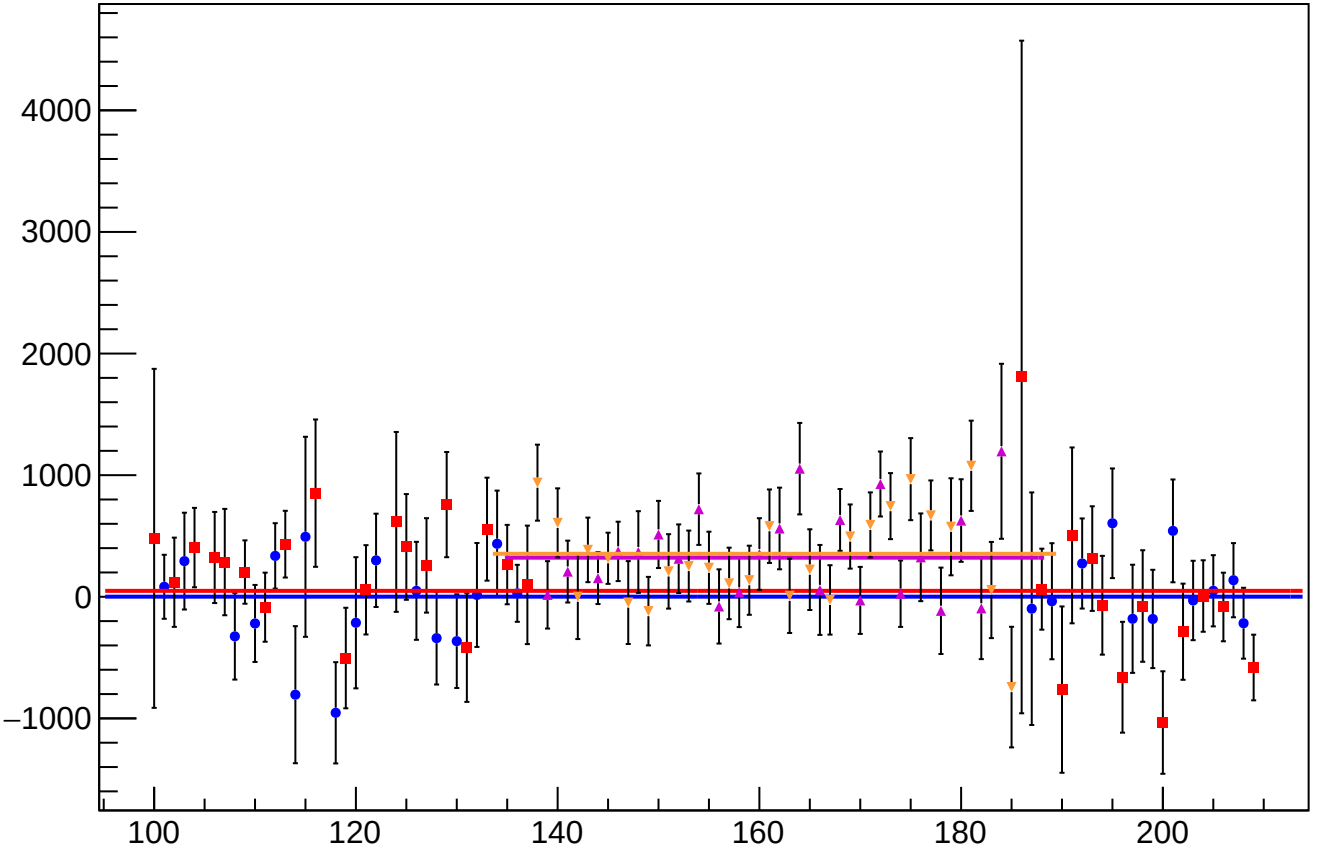
Right: 2964.114+/-0.394 χ^2/NDF: 9093720.0/58

In: 2259.956+/-0.289 χ^2/NDF:6727397.6/49

Out: 2247.881+/-0.280 χ^2/NDF:8364140.8/56

All: 2253.725+/-0.201 χ^2/NDF: 15092438.9/1

cor_asym_sam4_mean vs Slug, Sign Corrected



Right In: 1.029+/-70.743 χ^2/NDF: 19.8/26

Left Out: 353.640+/-60.149 χ^2/NDF:32.3/24

Right Out: 48.802+/-68.441 χ^2/NDF: 33.7/31

Left In: 321.514+/-62.113 χ^2/NDF:26.2/22

Left: 338.093+/-43.209 χ^2/NDF: 58.7/47

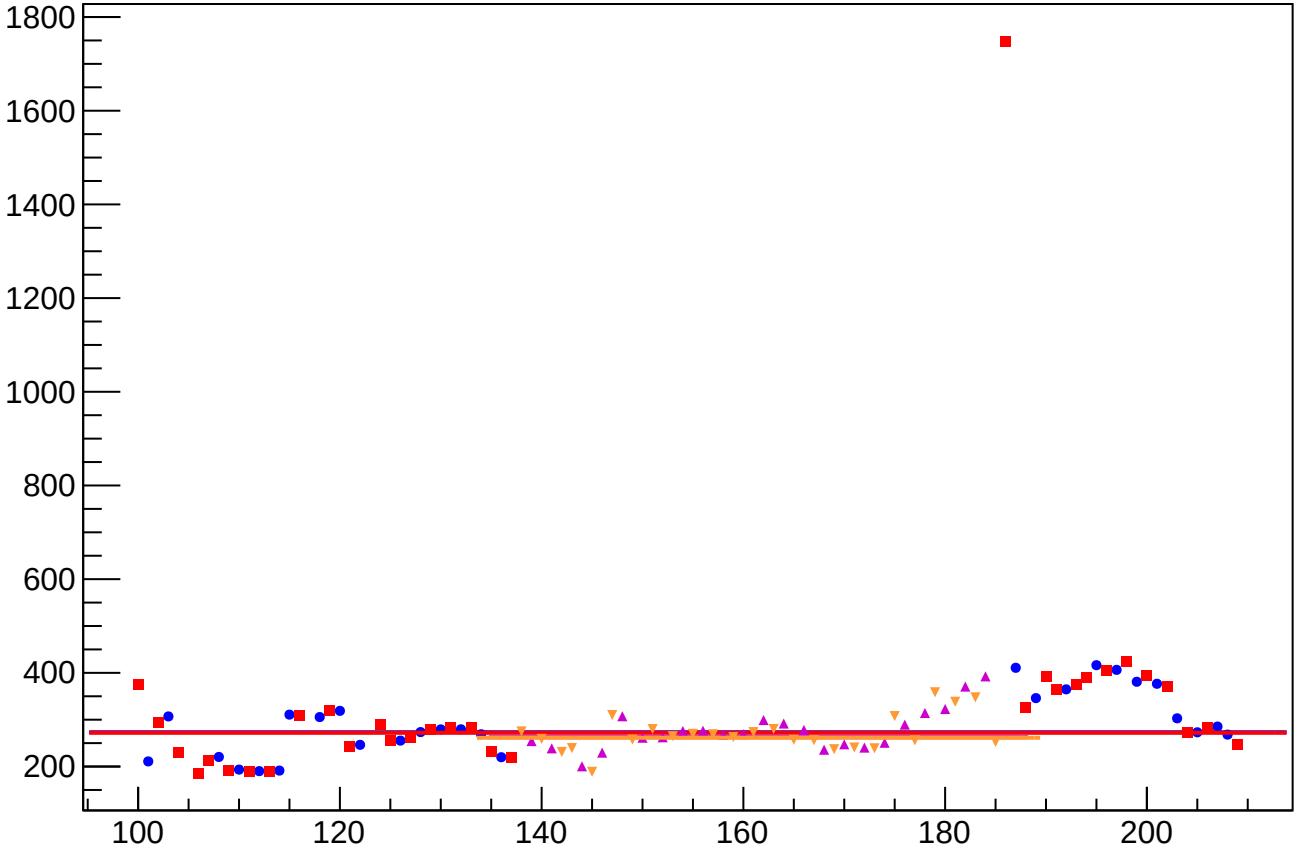
Right: 25.705+/-49.189 χ^2/NDF: 53.7/58

In: 182.002+/-46.675 χ^2/NDF:57.6/49

Out: 220.798+/-45.181 χ^2/NDF:77.2/56

All: 202.031+/-32.463 χ^2/NDF: 135.2/106

cor_asym_sam4_rms vs Slug, Sign Corrected



Right In: 273.165+/-0.050 χ^2/NDF: 1552133.4/26

Left Out: 261.470+/-0.043 χ^2/NDF:715467.9/24

Right Out: 272.162+/-0.048 χ^2/NDF: 2546240.0/31

Left In: 262.616+/-0.044 χ^2/NDF:670646.4/22

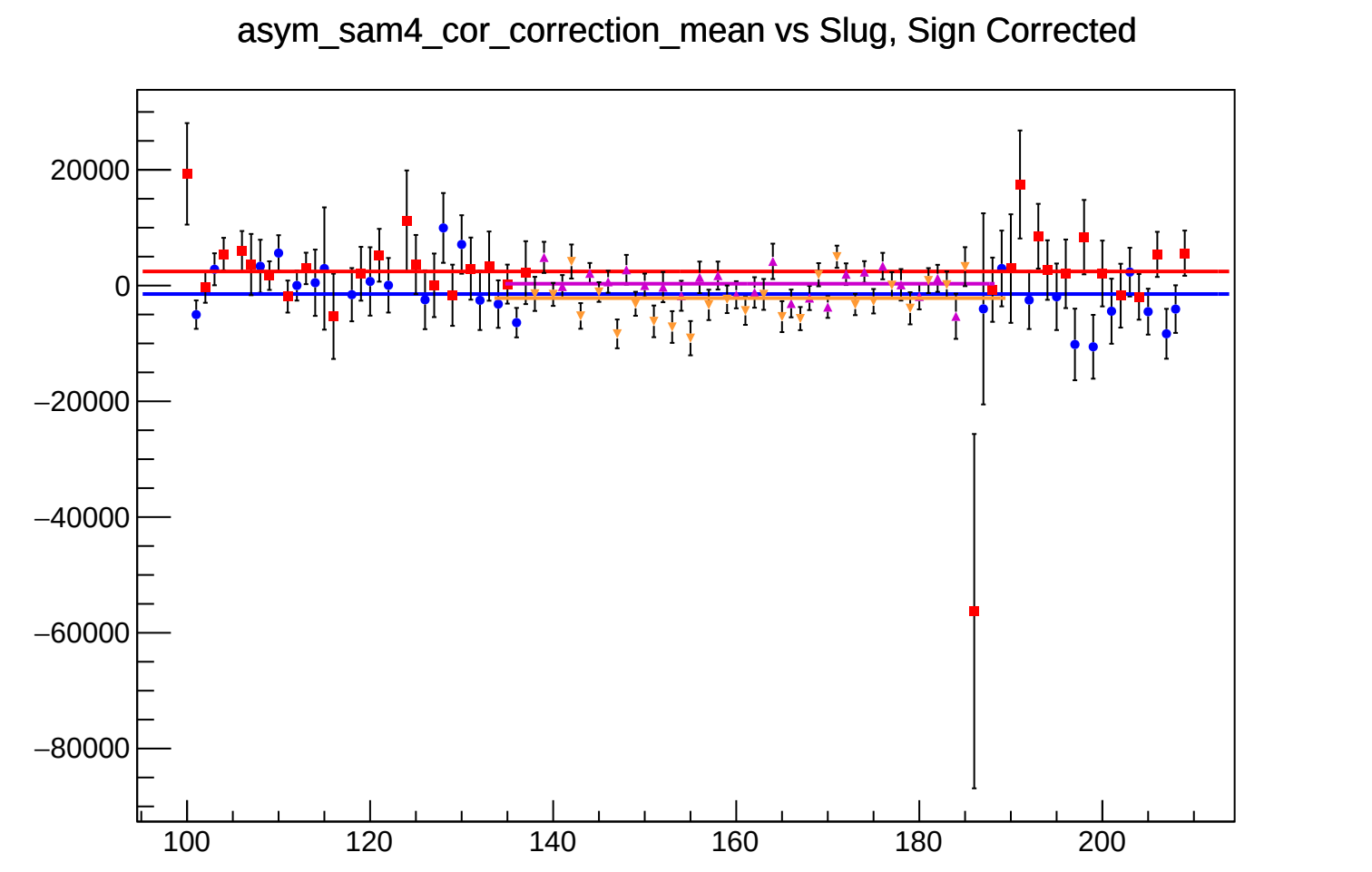
Left: 262.024+/-0.031 χ^2/NDF: 1386465.9/47

Right: 272.647+/-0.035 χ^2/NDF: 4098581.4/58

In: 267.208+/-0.033 χ^2/NDF:2247893.6/49

Out: 266.129+/-0.032 χ^2/NDF:3289246.9/56

All: 266.651+/-0.023 χ^2/NDF: 5537692.7/106



Right In: -1462.126+/-807.205 χ^2/NDF: 32.1/26

Left Out: -2171.811+/-461.649 χ^2/NDF:55.5/24

Right Out: 2440.656+/-770.552 χ^2/NDF: 25.0/31

Left In: 313.745+/-474.086 χ^2/NDF:23.7/22

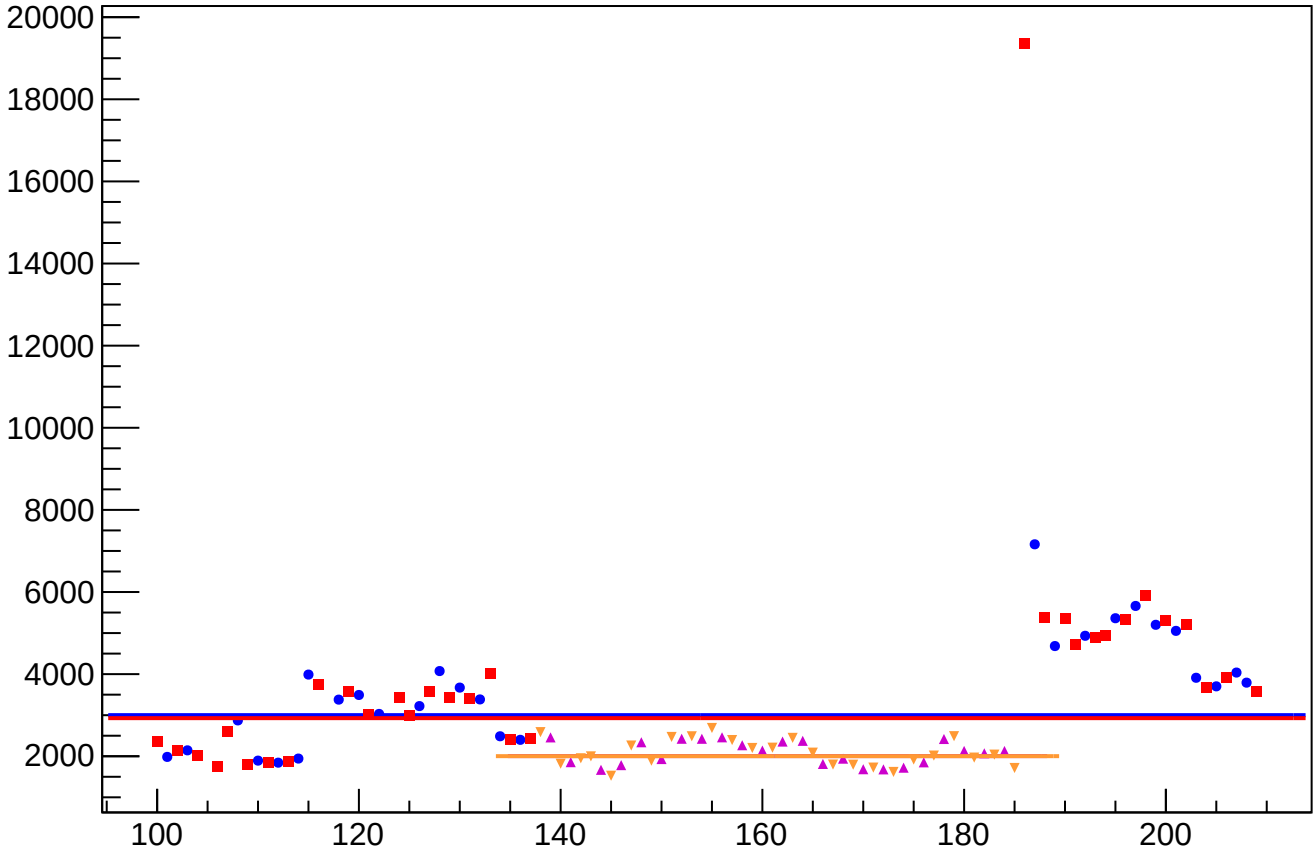
Left: -962.064+/-330.745 χ^2/NDF: 93.3/47

Right: 579.882+/-557.370 χ^2/NDF: 69.3/58

In: -141.720+/-408.795 χ^2/NDF:59.3/49

Out: -953.514+/-396.015 χ^2/NDF:106.9/56

All: -560.504+/-284.436 χ^2/NDF: 168.2/106



Right In: 3001.289+/-0.571 χ^2/NDF: 3753709.1/26

Left Out: 2002.229+/-0.326 χ^2/NDF:892706.8/24

Right Out: 2927.924+/-0.545 χ^2/NDF: 5362573.4/31

Left In: 2004.244+/-0.335 χ^2/NDF:704920.5/22

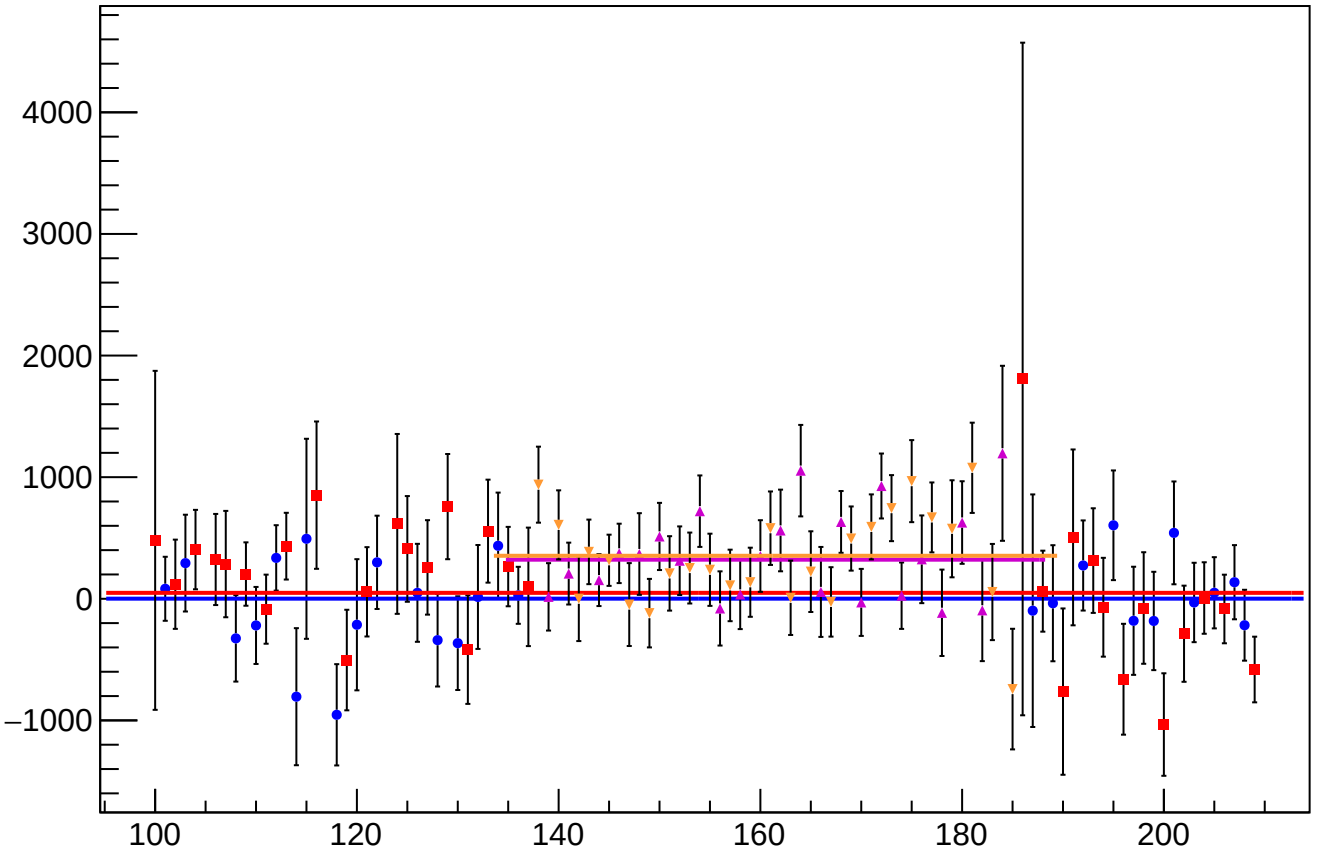
Left: 2003.210+/-0.234 χ^2/NDF: 1597645.9/47

Right: 2962.903+/-0.394 χ^2/NDF: 9124926.7/58

In: 2259.960+/-0.289 χ^2/NDF:6727385.7/49

Out: 2246.734+/-0.280 χ^2/NDF:8379315.8/56

All: 2253.137+/-0.201 χ^2/NDF: 15107781.6/1



Right In: 1.029+/-70.743 χ^2/NDF: 19.8/26

Left Out: 353.640+/-60.149 χ^2/NDF:32.3/24

Right Out: 48.802+/-68.441 χ^2/NDF: 33.7/31

Left In: 321.514+/-62.113 χ^2/NDF:26.2/22

Left: 338.093+/-43.209 χ^2/NDF: 58.7/47

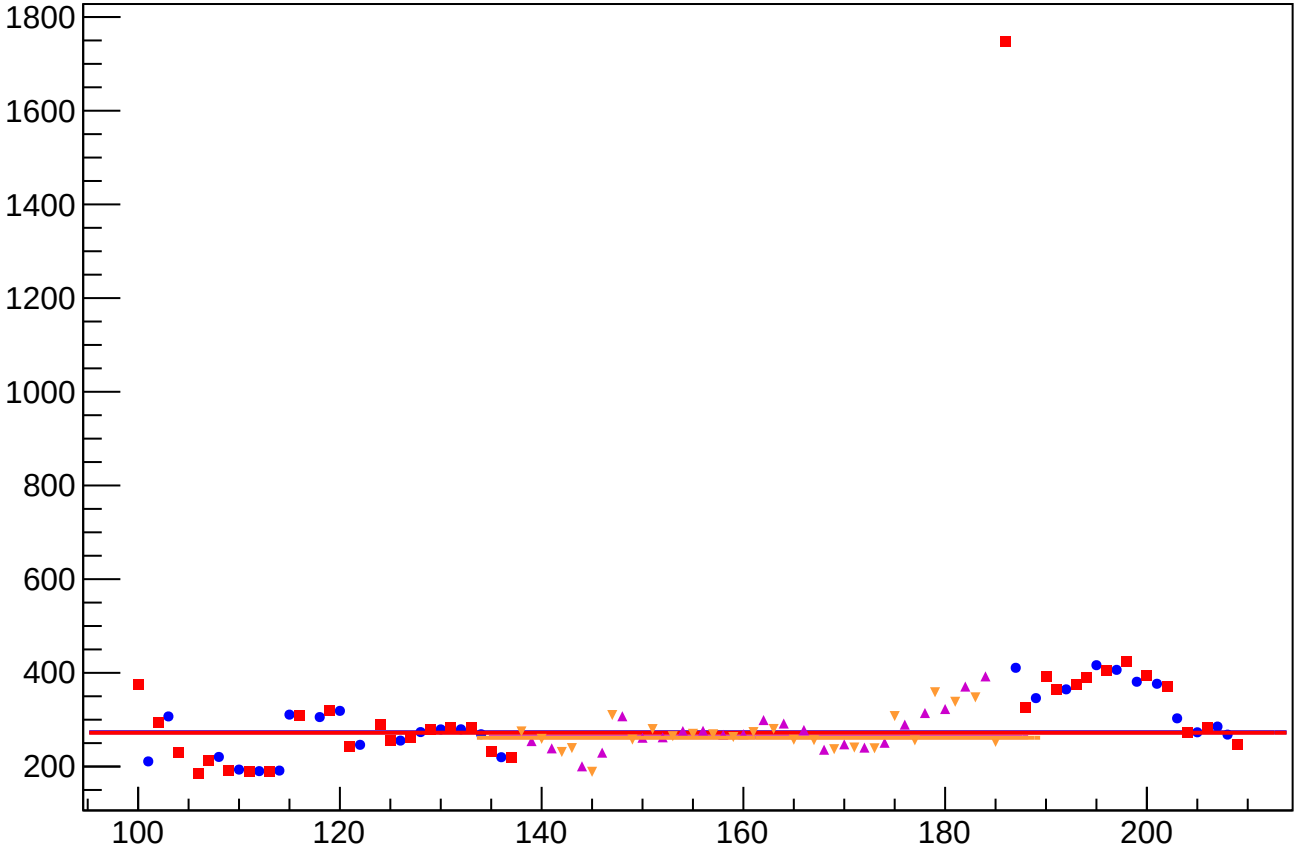
Right: 25.705+/-49.189 χ^2/NDF: 53.7/58

In: 182.002+/-46.675 χ^2/NDF:57.6/49

Out: 220.798+/-45.181 χ^2/NDF:77.2/56

All: 202.031+/-32.463 χ^2/NDF: 135.2/106

eigen_cor_asym_sam4_rms vs Slug, Sign Corrected



Right In: 273.165+/-0.050 χ^2/NDF: 1552133.4/26

Left Out: 261.470+/-0.043 χ^2/NDF:715467.9/24

Right Out: 272.162+/-0.048 χ^2/NDF: 2546240.0/31

Left In: 262.616+/-0.044 χ^2/NDF:670646.4/22

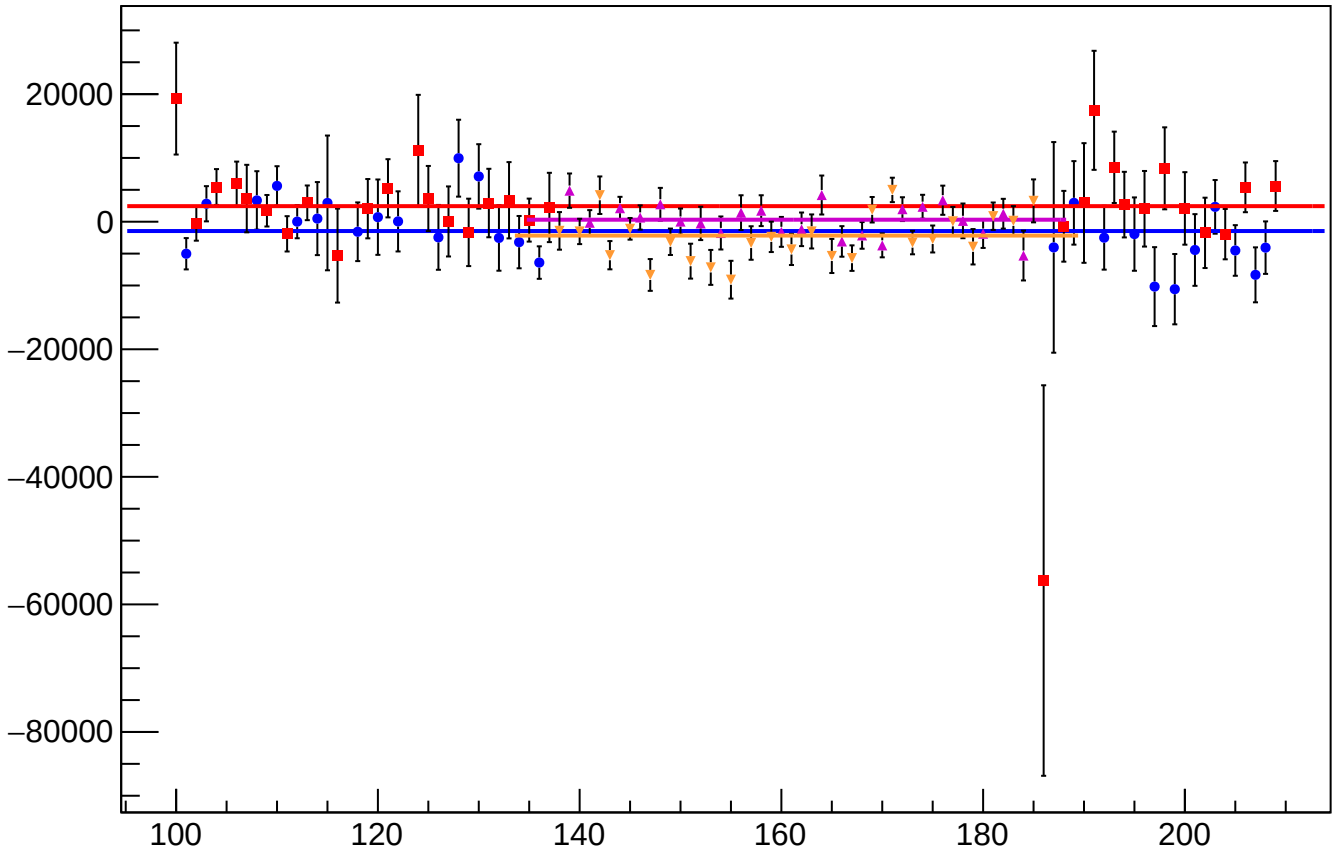
Left: 262.024+/-0.031 χ^2/NDF: 1386465.9/47

Right: 272.647+/-0.035 χ^2/NDF: 4098581.4/58

In: 267.208+/-0.033 χ^2/NDF:2247893.6/49

Out: 266.129+/-0.032 χ^2/NDF:3289246.9/56

All: 266.651+/-0.023 χ^2/NDF: 5537692.7/106



Right In: -1462.126+/-807.205 χ^2/NDF: 32.1/26

Left Out: -2171.811+/-461.649 χ^2/NDF:55.5/24

Right Out: 2440.656+/-770.552 χ^2/NDF: 25.0/31

Left In: 313.745+/-474.086 χ^2/NDF:23.7/22

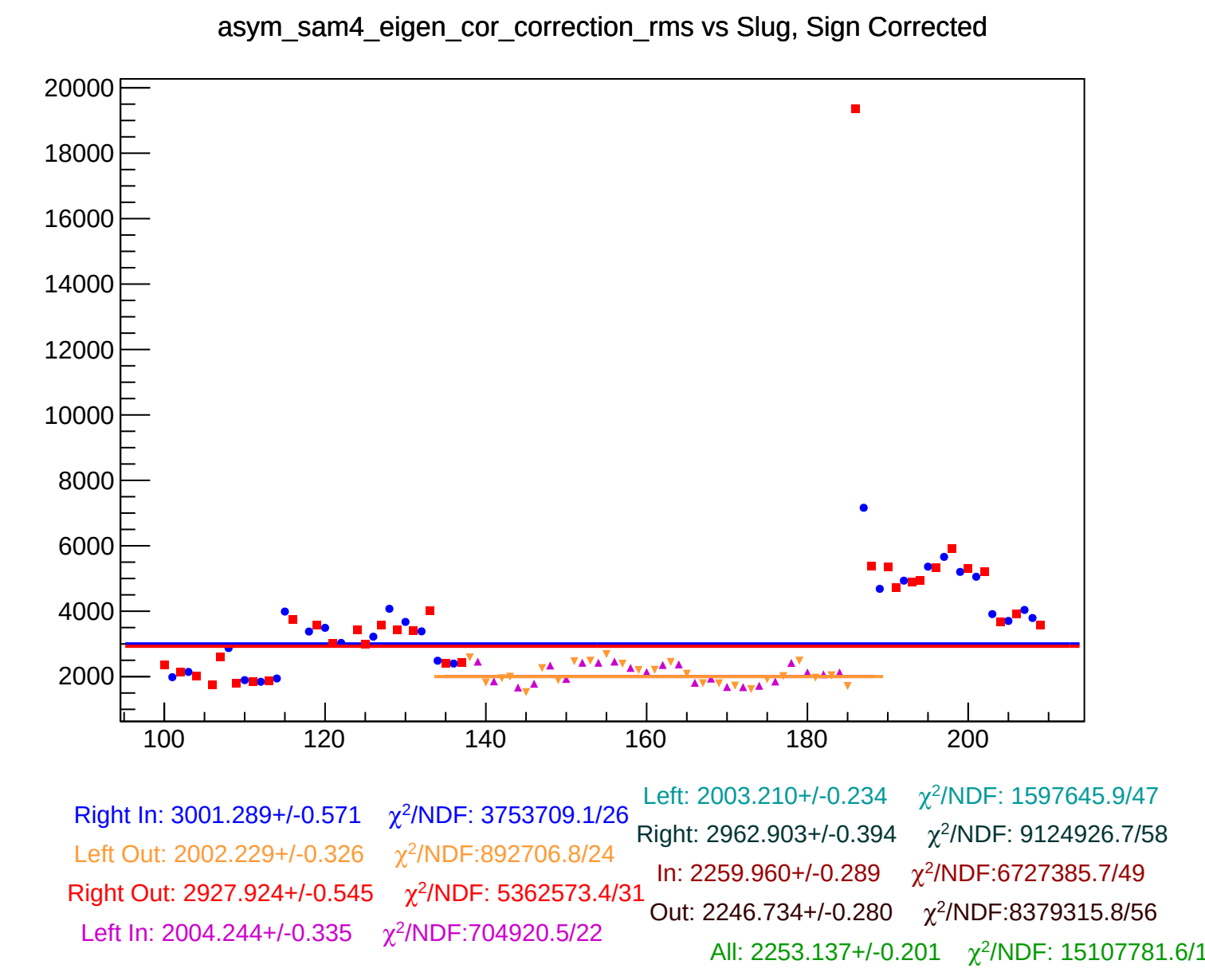
Left: -962.064+/-330.745 χ^2/NDF: 93.3/47

Right: 579.882+/-557.370 χ^2/NDF: 69.3/58

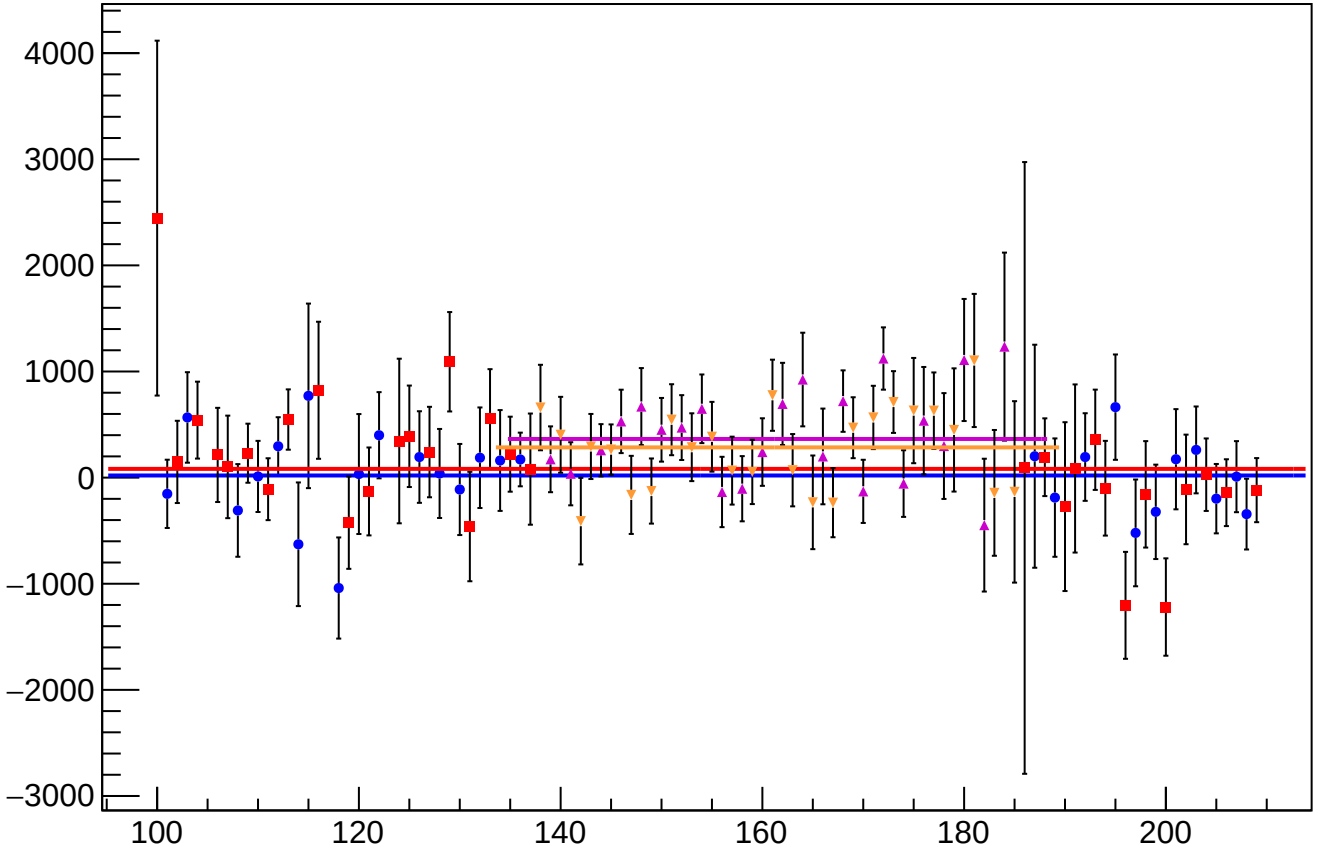
In: -141.720+/-408.795 χ^2/NDF:59.3/49

Out: -953.514+/-396.015 χ^2/NDF:106.9/56

All: -560.504+/-284.436 χ^2/NDF: 168.2/106


asym_sam4_eigen_cor_correction_rms vs Slug, Sign Corrected
20000
18000
16000
14000
12000
10000
8000
6000
4000
2000
100
120
140
160
180
200
Right In: 3001.289+/-0.571 χ²/NDF: 3753709.1/26
Left Out: 2002.229+/-0.326 χ²/NDF:892706.8/24
Right Out: 2927.924+/-0.545 χ²/NDF: 5362573.4/31
Left In: 2004.244+/-0.335 χ²/NDF:704920.5/22
Left: 2003.210+/-0.234 χ²/NDF: 1597645.9/47
Right: 2962.903+/-0.394 χ²/NDF: 9124926.7/58
In: 2259.960+/-0.289 χ²/NDF:6727385.7/49
Out: 2246.734+/-0.280 χ²/NDF:8379315.8/56
All: 2253.137+/-0.201 χ²/NDF: 15107781.6/1

dit_asym_sam4_mean vs Slug, Sign Corrected



Right In: 20.074+/-78.485 χ^2/NDF: 18.0/26

Left Out: 284.913+/-70.036 χ^2/NDF:22.8/24

Right Out: 82.340+/-75.176 χ^2/NDF: 34.3/31

Left In: 364.163+/-71.714 χ^2/NDF:28.2/22

Left: 323.600+/-50.106 χ^2/NDF: 51.7/47

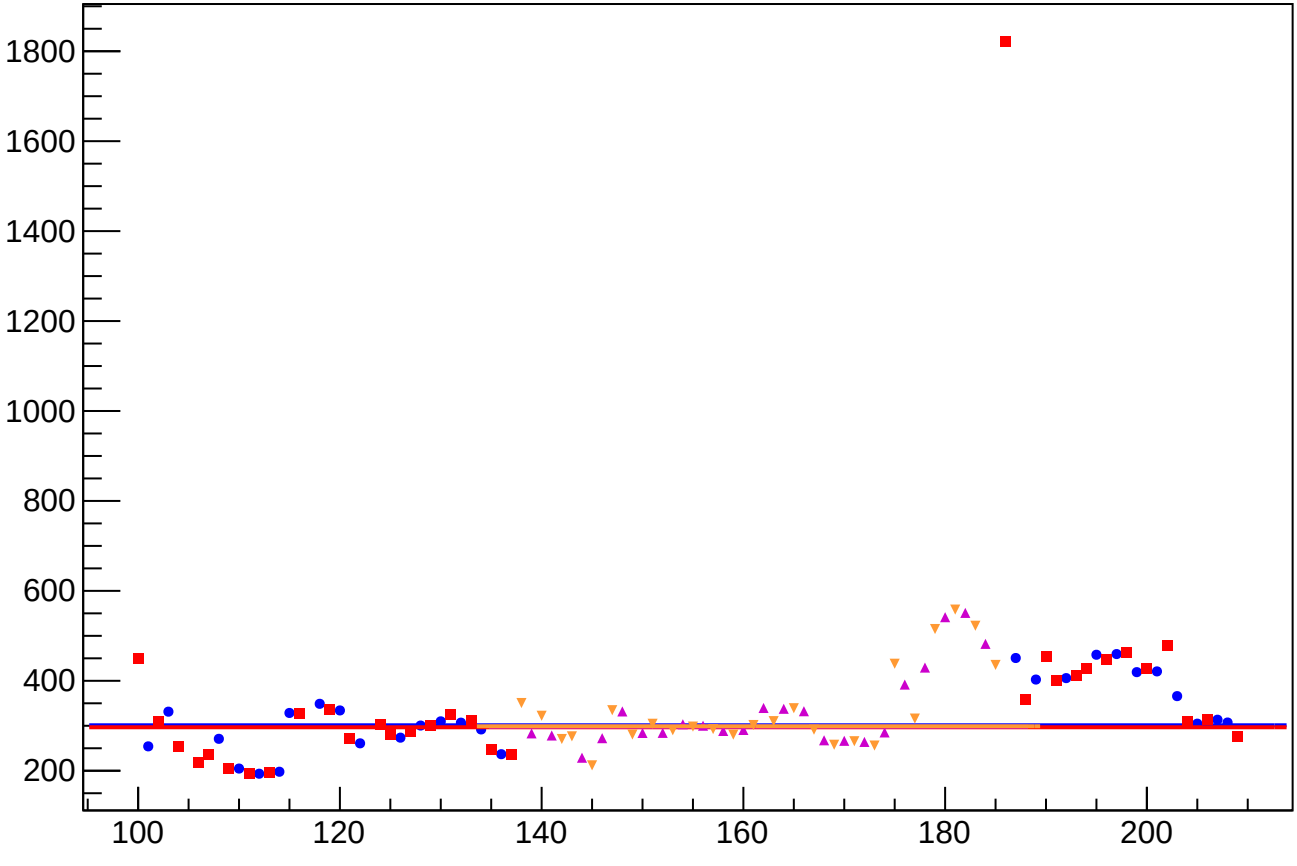
Right: 52.547+/-54.289 χ^2/NDF: 52.7/58

In: 207.600+/-52.942 χ^2/NDF:56.7/49

Out: 190.787+/-51.244 χ^2/NDF:61.1/56

All: 198.919+/-36.820 χ^2/NDF: 117.8/106

dit_asym_sam4_rms vs Slug, Sign Corrected



Right In: 301.093+/-0.055 χ^2/NDF: 1745925.1/26

Left Out: 298.938+/-0.050 χ^2/NDF:1613077.3/24

Right Out: 296.684+/-0.053 χ^2/NDF: 2816283.8/31

Left In: 297.885+/-0.051 χ^2/NDF:1319062.0/22

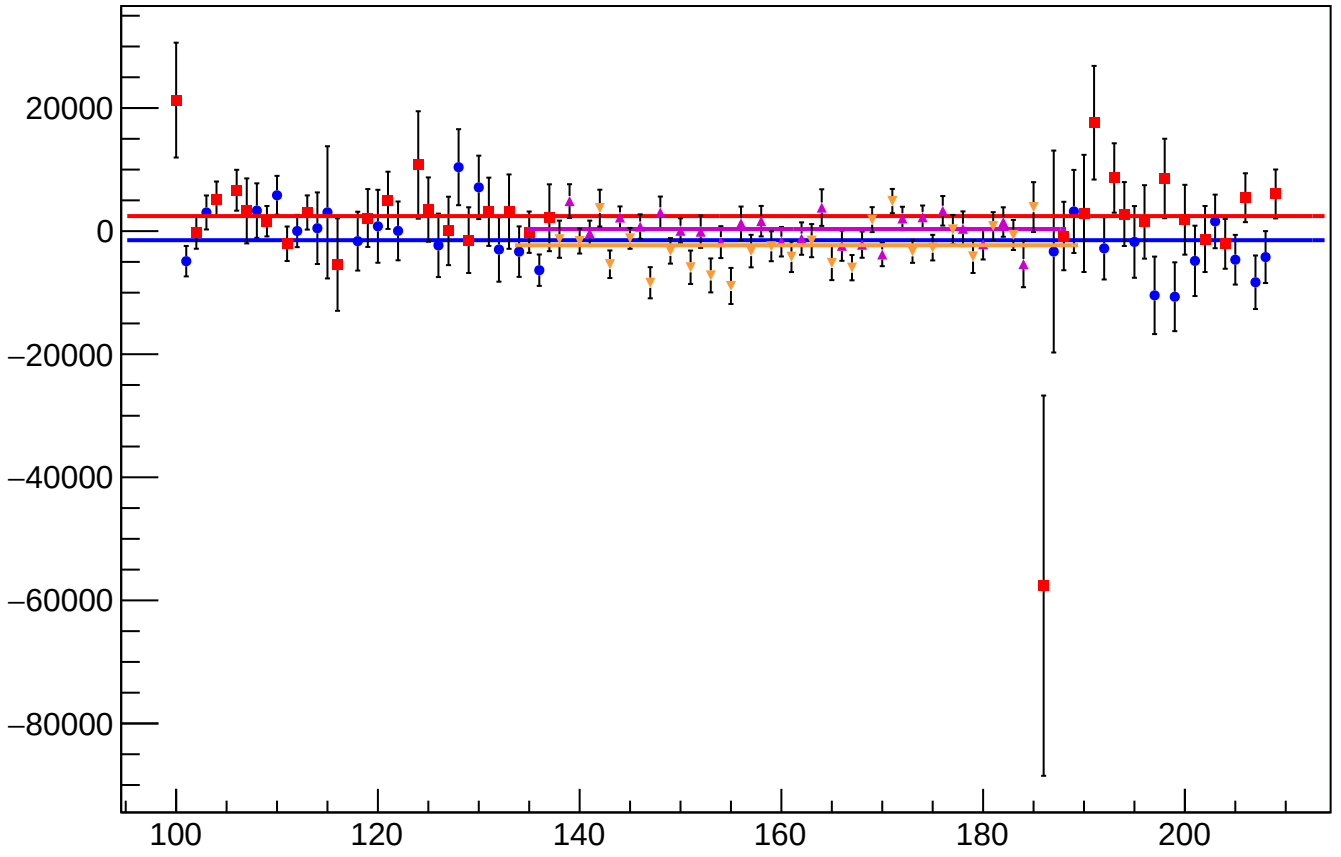
Left: 298.424+/-0.035 χ^2/NDF: 2932359.8/47

Right: 298.794+/-0.038 χ^2/NDF: 4565500.4/58

In: 299.345+/-0.037 χ^2/NDF:3066808.2/49

Out: 297.891+/-0.036 χ^2/NDF:4430323.2/56

All: 298.594+/-0.026 χ^2/NDF: 7497910.4/106



Right In: -1473.198+/-816.145 χ^2/NDF: 32.0/26

Left Out: -2290.992+/-470.518 χ^2/NDF:51.7/24

Right Out: 2444.261+/-775.699 χ^2/NDF: 26.2/31

Left In: 342.609+/-483.605 χ^2/NDF:22.8/22

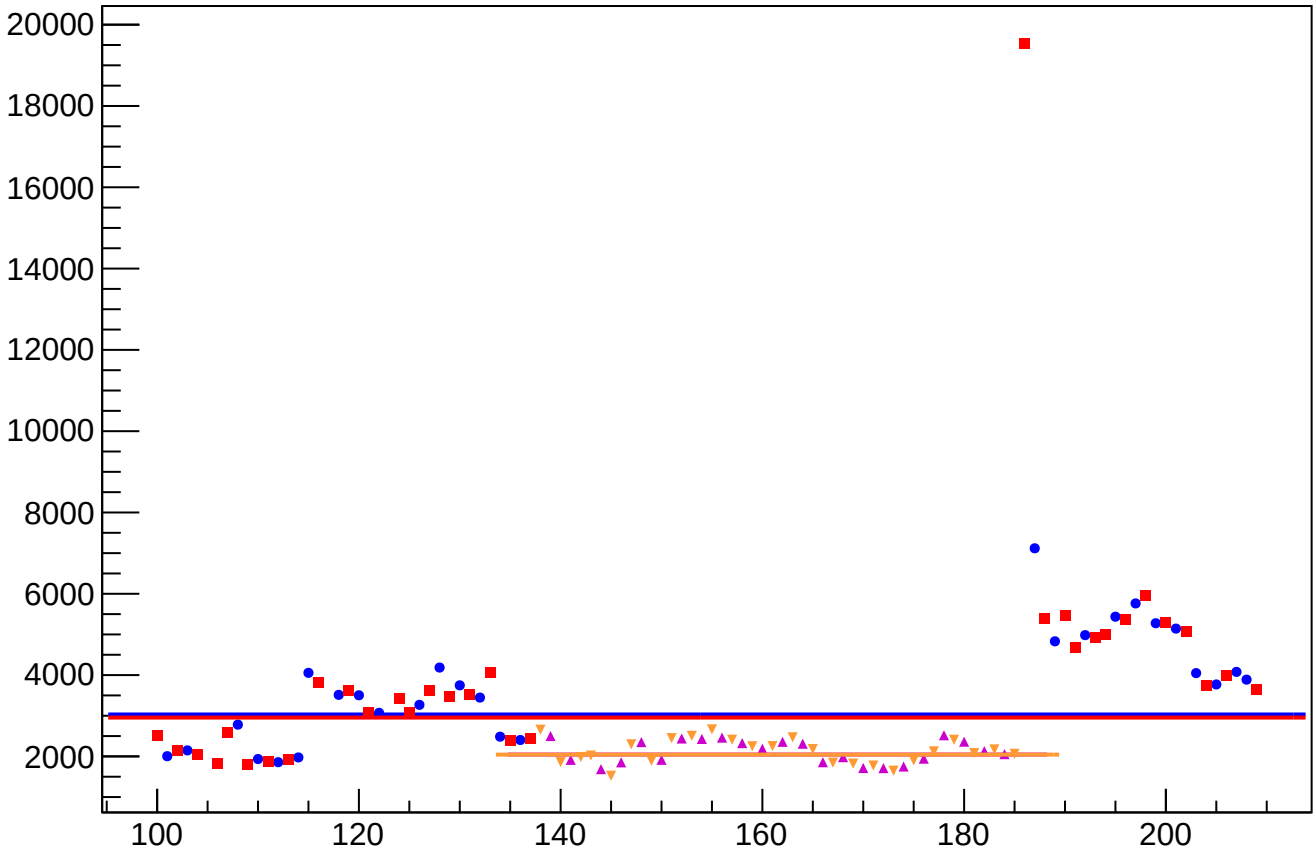
Left: -1010.309+/-337.238 χ^2/NDF: 89.7/47

Right: 585.004+/-562.257 χ^2/NDF: 70.3/58

In: -129.264+/-416.049 χ^2/NDF:58.5/49

Out: -1017.357+/-402.294 χ^2/NDF:105.1/56

All: -588.234+/-289.206 χ^2/NDF: 165.9/106



Right In: 3030.853+/-0.577 χ^2/NDF: 3846618.3/26

Left Out: 2043.746+/-0.333 χ^2/NDF:853391.4/24

Right Out: 2954.615+/-0.549 χ^2/NDF: 5334570.7/31

Left In: 2045.178+/-0.342 χ^2/NDF:690219.7/22

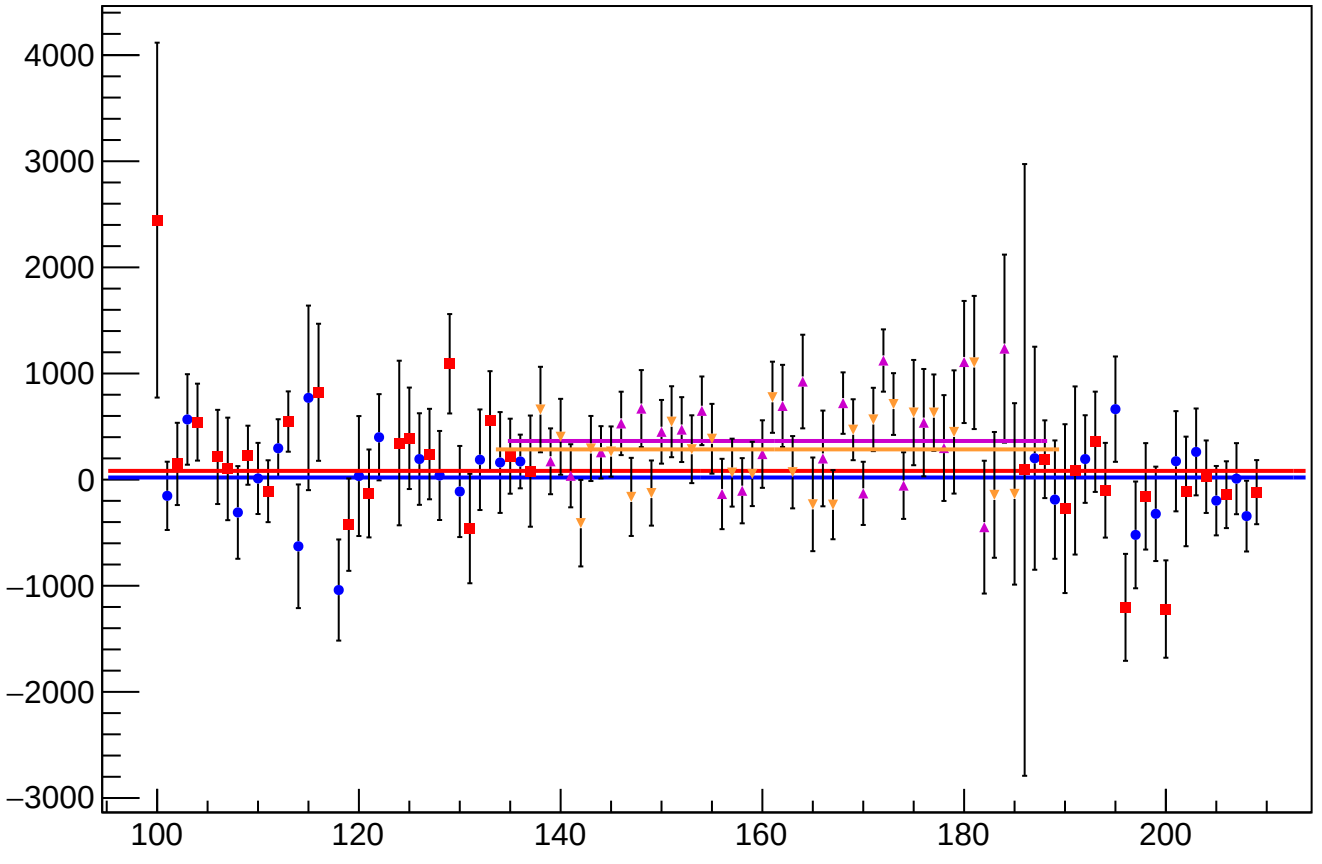
Left: 2044.442+/-0.238 χ^2/NDF: 1543620.1/47

Right: 2990.798+/-0.398 χ^2/NDF: 9190358.0/58

In: 2301.325+/-0.294 χ^2/NDF:6695931.1/49

Out: 2288.741+/-0.284 χ^2/NDF:8203971.0/56

All: 2294.822+/-0.204 χ^2/NDF: 14900847.7/1



Right In: 20.078+/-78.485 χ^2/NDF: 18.0/26

Left Out: 284.918+/-70.036 χ^2/NDF:22.8/24

Right Out: 82.338+/-75.176 χ^2/NDF: 34.3/31

Left In: 364.164+/-71.714 χ^2/NDF:28.2/22

Left: 323.603+/-50.106 χ^2/NDF: 51.7/47

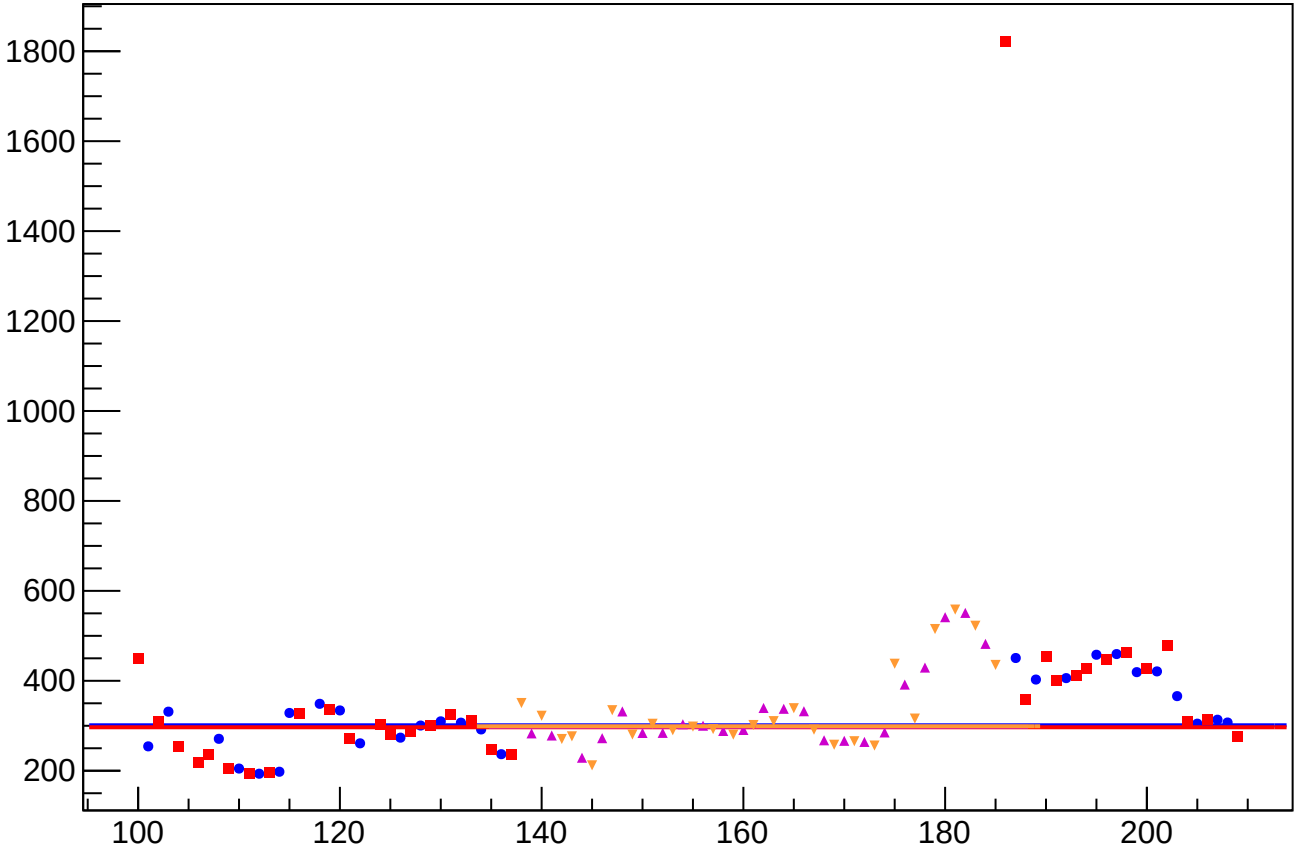
Right: 52.548+/-54.289 χ^2/NDF: 52.7/58

In: 207.602+/-52.942 χ^2/NDF:56.7/49

Out: 190.788+/-51.244 χ^2/NDF:61.1/56

All: 198.921+/-36.820 χ^2/NDF: 117.8/106

eigen_dit_asym_sam4_rms vs Slug, Sign Corrected



Right In: 301.093+/-0.055 χ^2/NDF: 1745912.6/26

Left Out: 298.938+/-0.050 χ^2/NDF:1613074.5/24

Right Out: 296.684+/-0.053 χ^2/NDF: 2816289.5/31

Left In: 297.885+/-0.051 χ^2/NDF:1319043.7/22

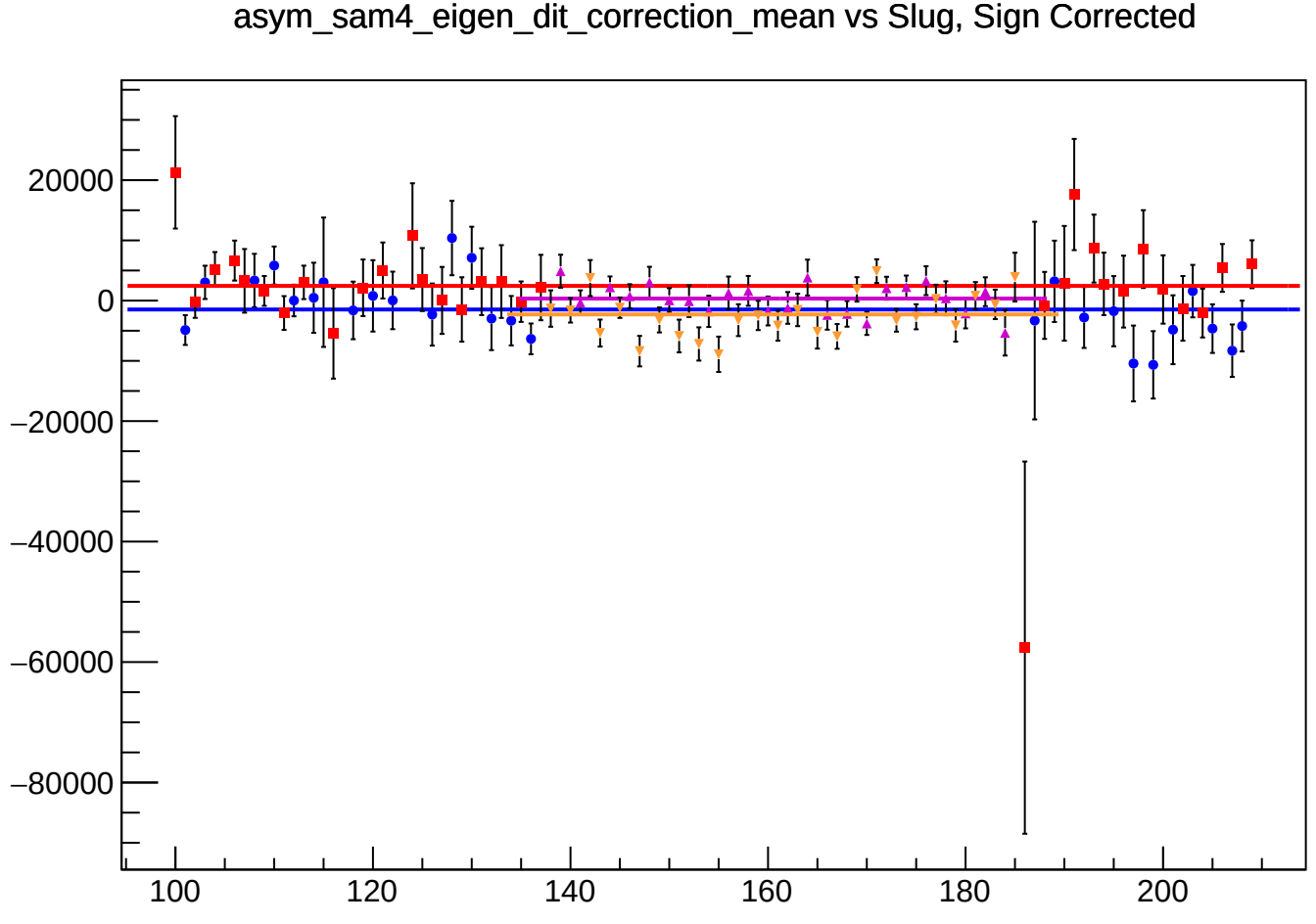
Left: 298.424+/-0.035 χ^2/NDF: 2932338.7/47

Right: 298.794+/-0.038 χ^2/NDF: 4565493.4/58

In: 299.345+/-0.037 χ^2/NDF:3066777.0/49

Out: 297.891+/-0.036 χ^2/NDF:4430326.4/56

All: 298.594+/-0.026 χ^2/NDF: 7497882.2/106



Right In: -1473.195+/-816.144 χ^2/NDF: 32.0/26

Left Out: -2290.986+/-470.517 χ^2/NDF:51.7/24

Right Out: 2444.258+/-775.698 χ^2/NDF: 26.2/31

Left In: 342.606+/-483.604 χ^2/NDF:22.8/22

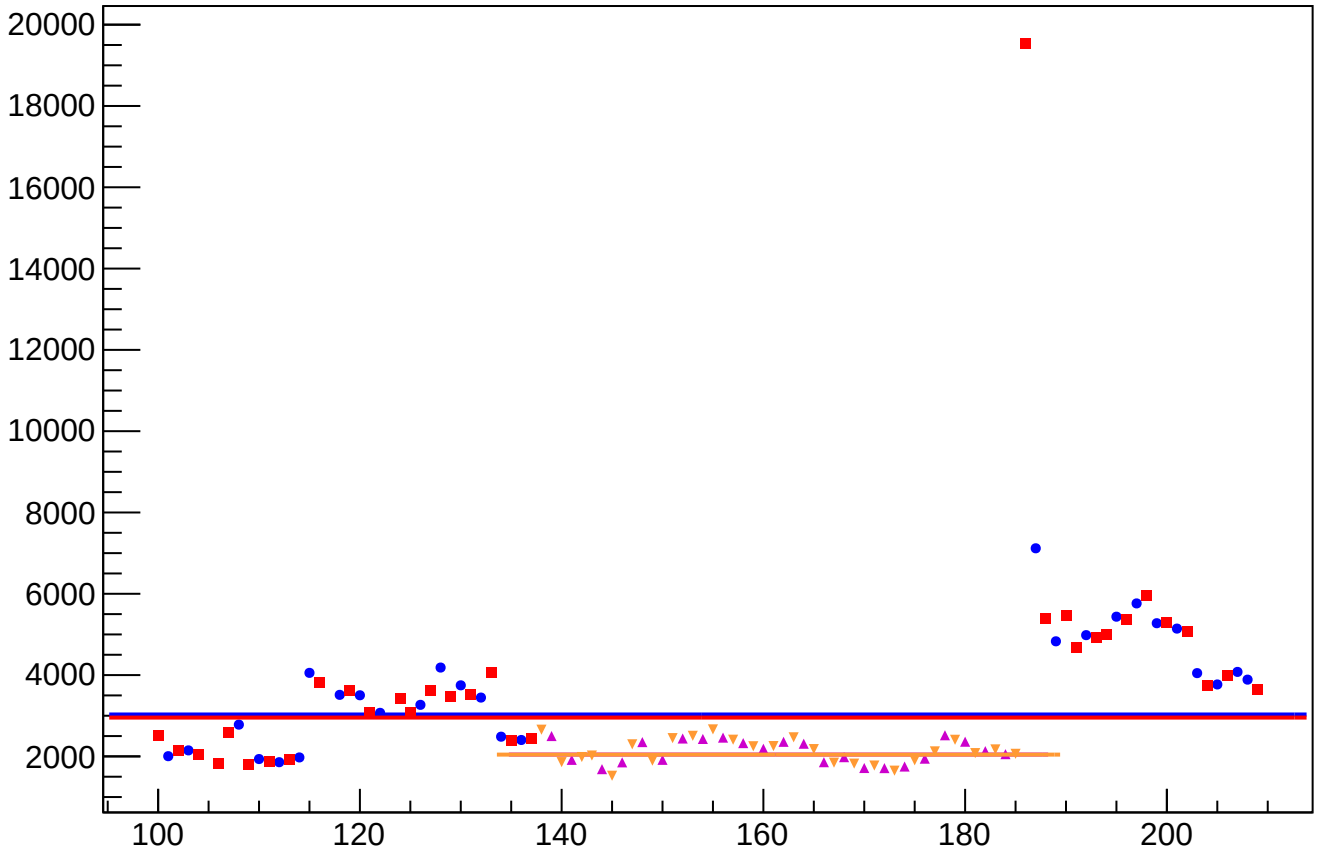
Left: -1010.308+/-337.238 χ^2/NDF: 89.7/47

Right: 585.003+/-562.256 χ^2/NDF: 70.3/58

In: -129.265+/-416.049 χ^2/NDF:58.5/49

Out: -1017.355+/-402.294 χ^2/NDF:105.1/56

All: -588.233+/-289.205 χ^2/NDF: 165.9/106



Right In: 3030.851+/-0.577 χ^2/NDF: 3846617.0/26

Left Out: 2043.742+/-0.333 χ^2/NDF:853393.7/24

Right Out: 2954.613+/-0.549 χ^2/NDF: 5334567.2/31

Left In: 2045.175+/-0.342 χ^2/NDF:690218.2/22

Left: 2044.439+/-0.238 χ^2/NDF: 1543620.9/47

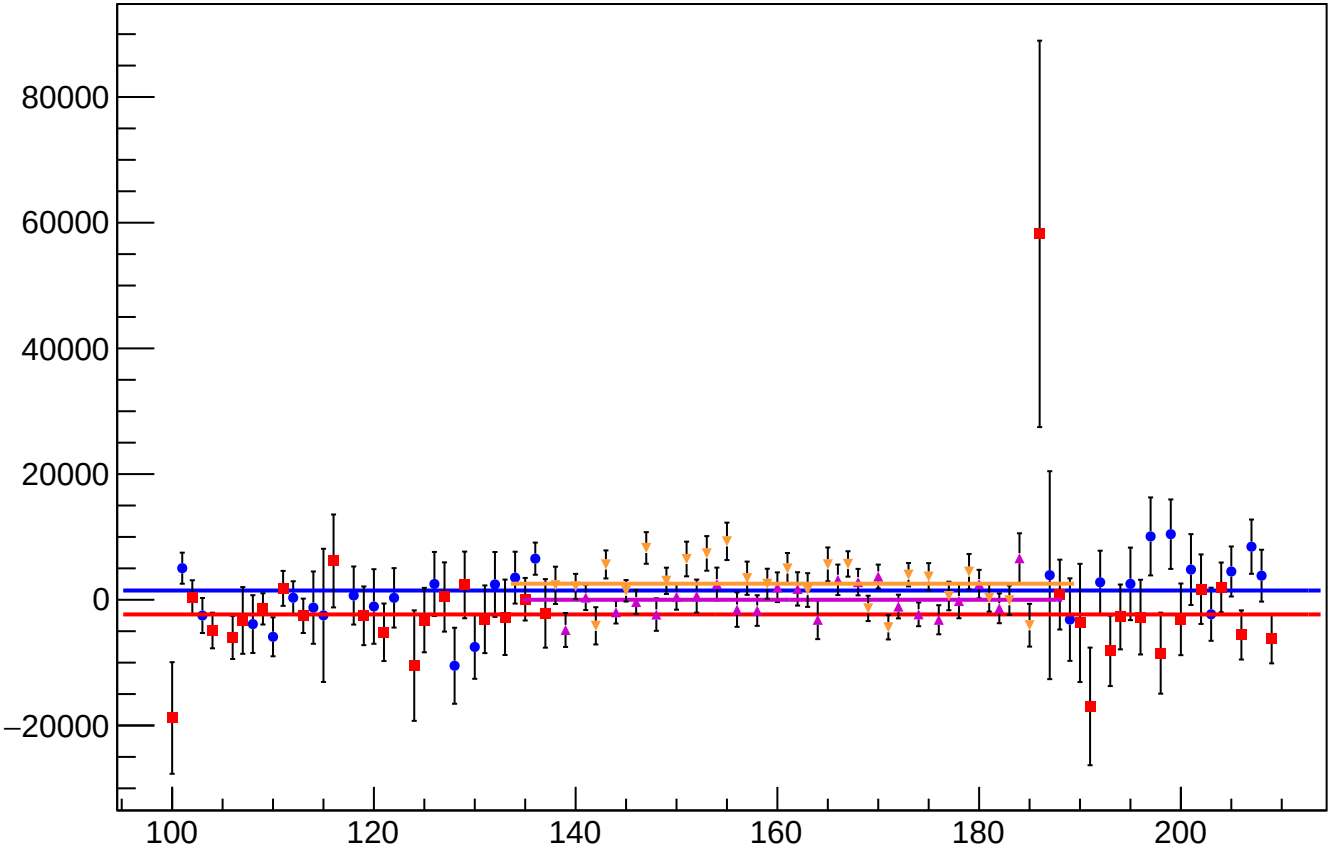
Right: 2990.796+/-0.398 χ^2/NDF: 9190353.2/58

In: 2301.322+/-0.294 χ^2/NDF:6695935.5/49

Out: 2288.738+/-0.284 χ^2/NDF:8203978.1/56

All: 2294.819+/-0.204 χ^2/NDF: 14900859.3/1

asym_sam4_mean vs Slug, Sign Corrected



Right In: 1474.687+/-811.096 χ^2/NDF: 33.1/26

Left Out: 2559.048+/-465.944 χ^2/NDF:52.7/24

Right Out: -2331.688+/-773.546 χ^2/NDF: 25.1/31

Left In: 3.474+/-478.514 χ^2/NDF:24.7/22

Left: 1315.267+/-333.828 χ^2/NDF: 92.0/47

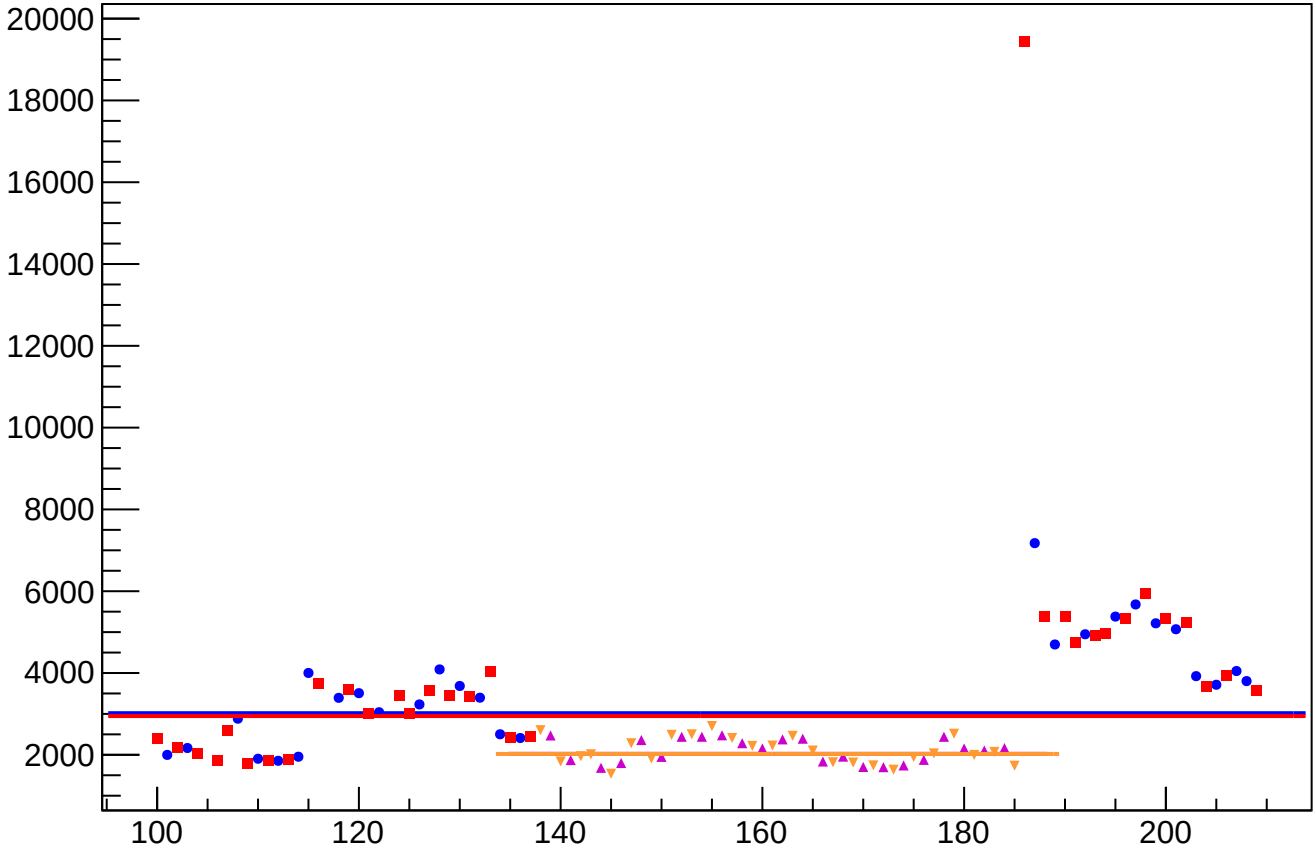
Right: -518.646+/-559.784 χ^2/NDF: 69.7/58

In: 383.325+/-412.137 χ^2/NDF:60.2/49

Out: 1256.992+/-399.130 χ^2/NDF:107.1/56

All: 834.162+/-286.715 χ^2/NDF: 169.6/106

asym_sam4_rms vs Slug, Sign Corrected



Right In: 3017.438+/-0.574 χ^2/NDF: 3723823.1/26

Left Out: 2021.266+/-0.329 χ^2/NDF:881370.9/24

Right Out: 2947.387+/-0.547 χ^2/NDF: 5294060.3/31

Left In: 2023.284+/-0.338 χ^2/NDF:696055.4/22

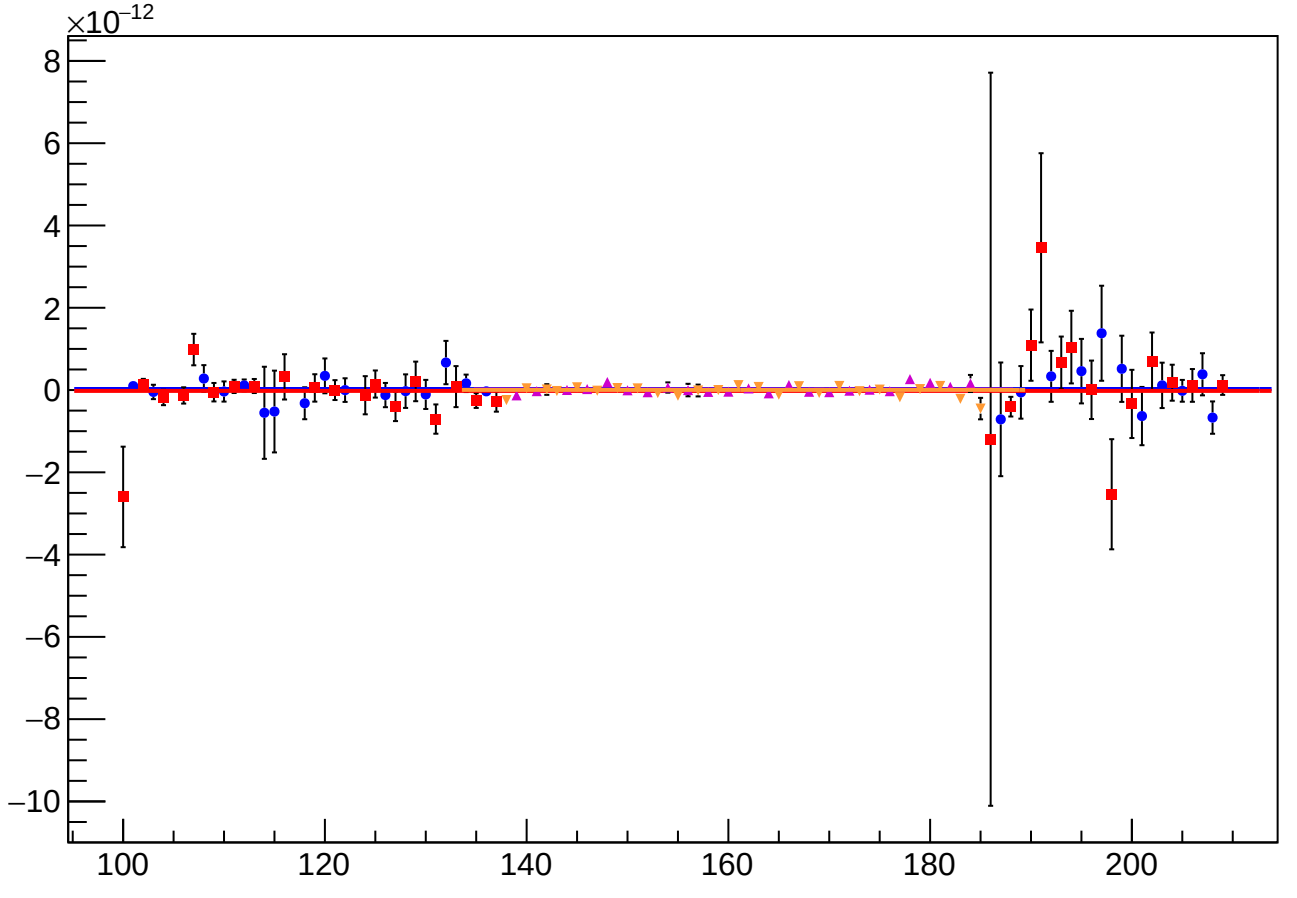
Left: 2022.248+/-0.236 χ^2/NDF: 1577444.6/47

Right: 2980.753+/-0.396 χ^2/NDF: 9025695.8/58

In: 2279.963+/-0.291 χ^2/NDF:6648755.7/49

Out: 2267.826+/-0.282 χ^2/NDF:8278982.1/56

All: 2273.700+/-0.203 χ^2/NDF: 14928632.8/1



Right In: 0.000+/-0.000 χ^2/NDF: 13.3/26

Left Out: 0.000+/-0.000 χ^2/NDF:32.1/24

Right Out: -0.000+/-0.000 χ^2/NDF: 37.7/31

Left In: 0.000+/-0.000 χ^2/NDF:20.8/22

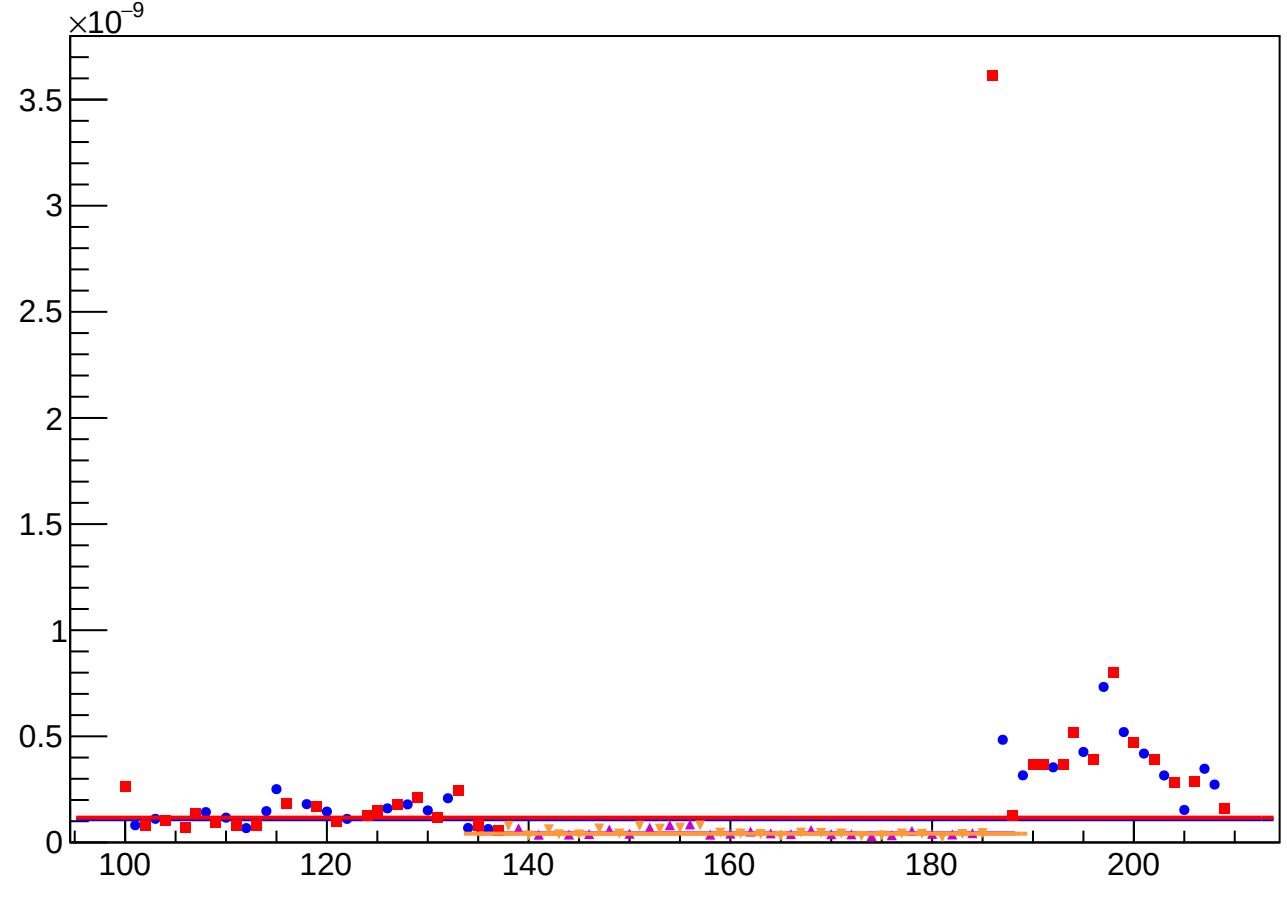
Left: 0.000+/-0.000 χ^2/NDF: 53.0/47

Right: 0.000+/-0.000 χ^2/NDF: 51.4/58

In: 0.000+/-0.000 χ^2/NDF:34.2/49

Out: 0.000+/-0.000 χ^2/NDF:70.0/56

All: 0.000+/-0.000 χ^2/NDF: 104.5/106



Right In: 0.000+/-0.000 χ^2/NDF: 4780083.8/26

Left Out: 0.000+/-0.000 χ^2/NDF:1235677.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 4541549.3/31

Left In: 0.000+/-0.000 χ^2/NDF:931395.8/22

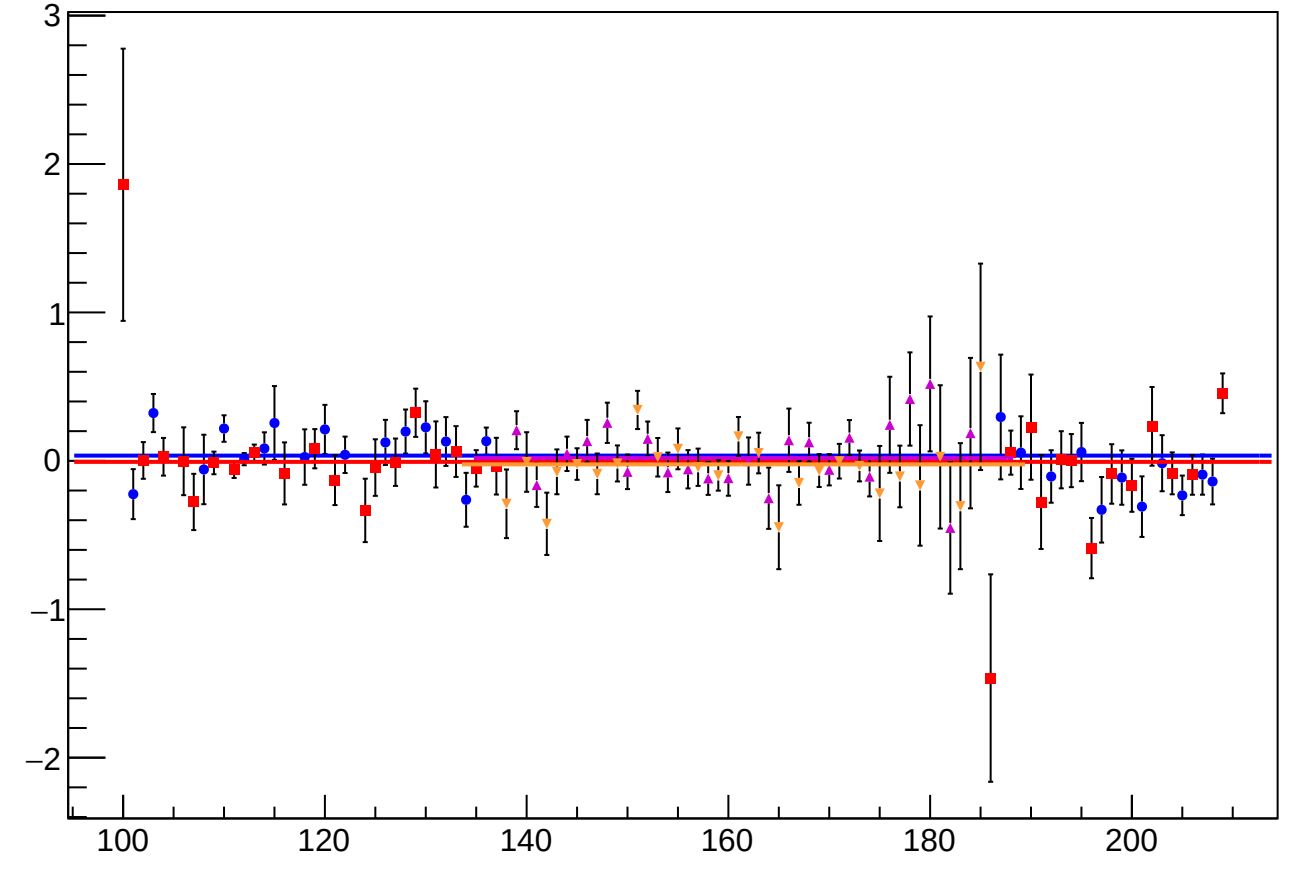
Left: 0.000+/-0.000 χ^2/NDF: 2176066.9/47

Right: 0.000+/-0.000 χ^2/NDF: 9343887.2/58

In: 0.000+/-0.000 χ^2/NDF:8887878.1/49

Out: 0.000+/-0.000 χ^2/NDF:9719917.2/56

All: 0.000+/-0.000 χ^2/NDF: 18623550.5/106



Right In: 0.035+/-0.024 χ^2/NDF: 34.6/26

Left Out: -0.024+/-0.030 χ^2/NDF:22.2/24

Right Out: -0.007+/-0.024 χ^2/NDF: 44.7/31

Left In: 0.019+/-0.030 χ^2/NDF:23.0/22

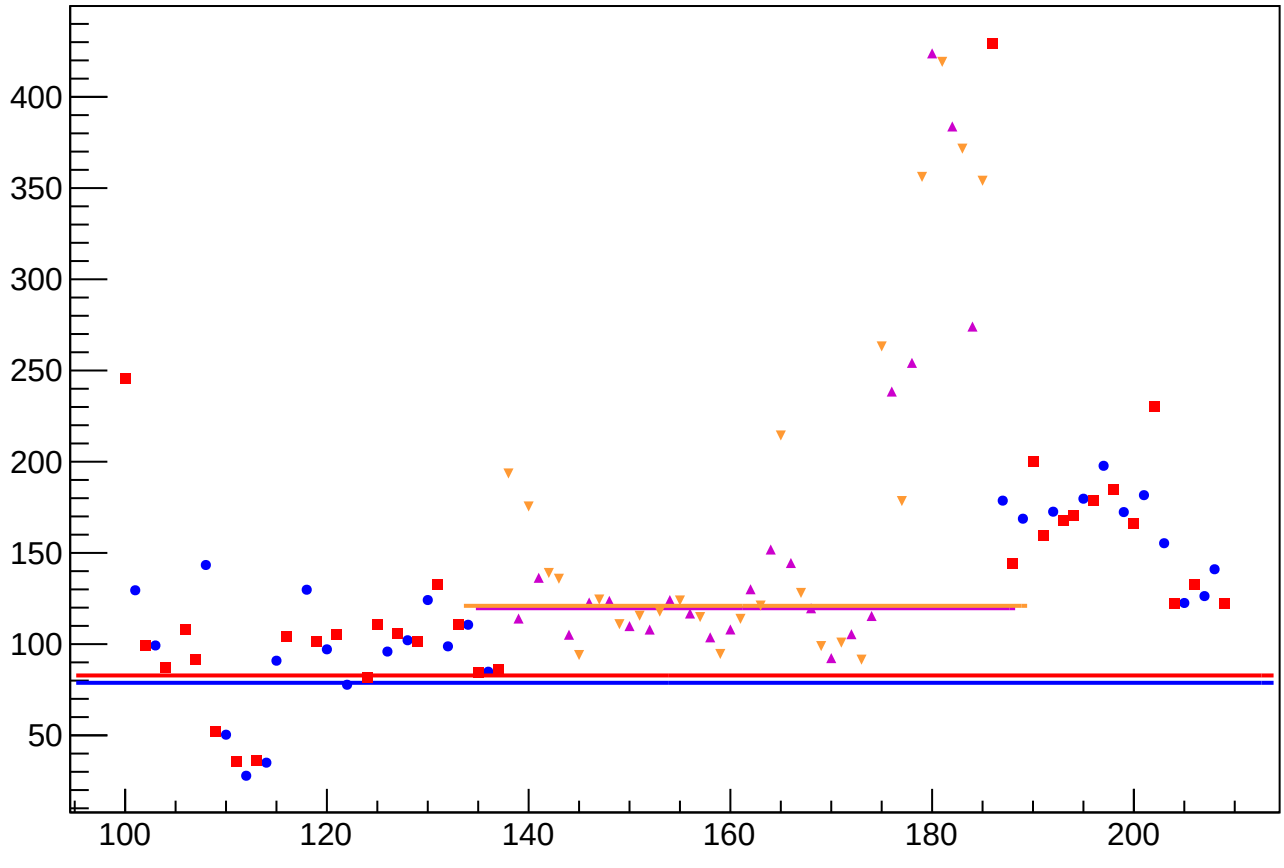
Left: -0.003+/-0.021 χ^2/NDF: 46.2/47

Right: 0.014+/-0.017 χ^2/NDF: 80.8/58

In: 0.029+/-0.019 χ^2/NDF:57.8/49

Out: -0.013+/-0.019 χ^2/NDF:67.1/56

All: 0.007+/-0.013 χ^2/NDF: 127.4/106



Right In: 78.795+/-0.017 χ^2/NDF: 8667787.1/26

Left Out: 120.999+/-0.021 χ^2/NDF:4095266.9/24

Right Out: 82.823+/-0.017 χ^2/NDF: 8349149.3/31

Left In: 119.679+/-0.021 χ^2/NDF:2838257.9/22

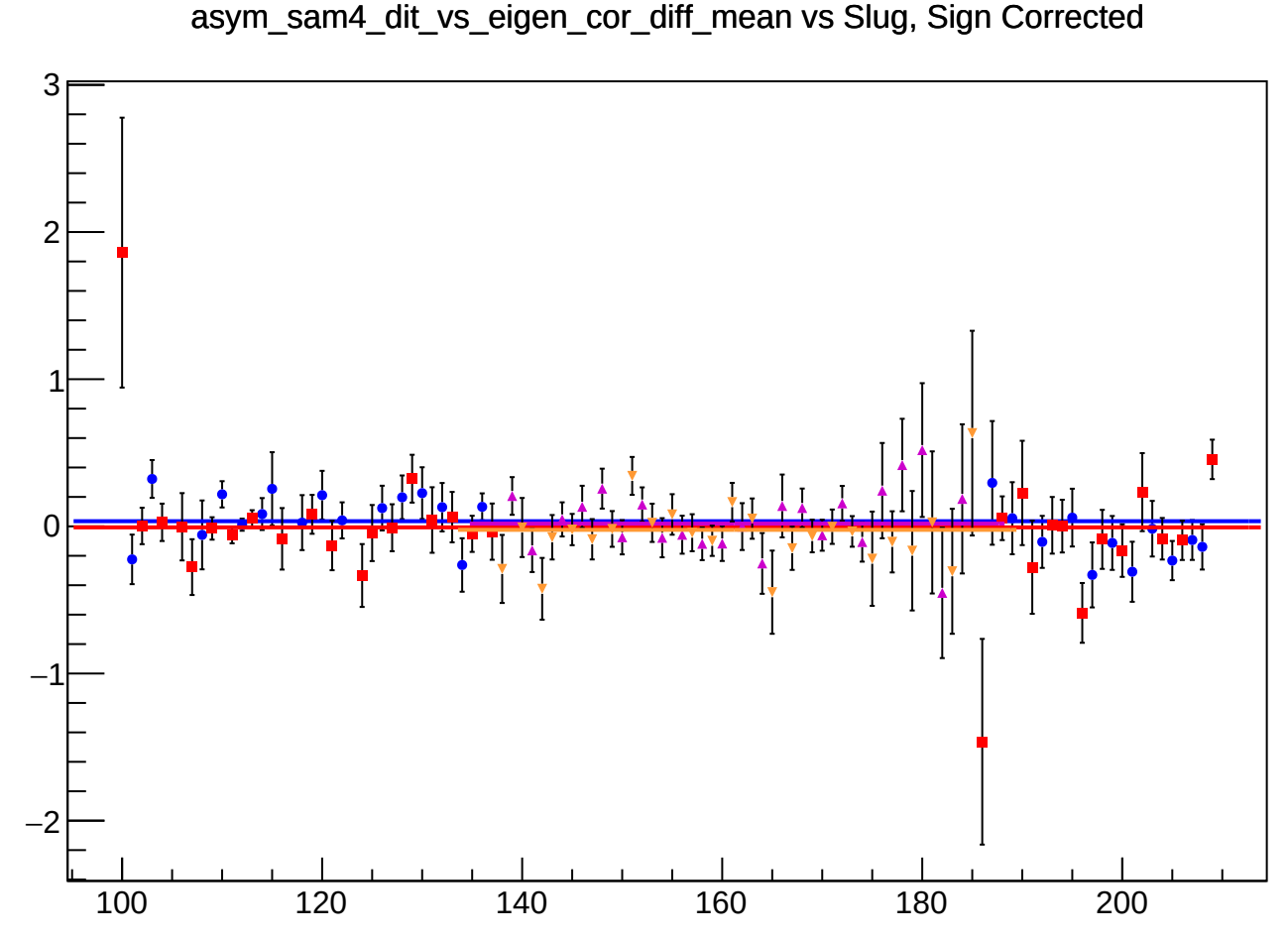
Left: 120.346+/-0.015 χ^2/NDF: 6935453.1/47

Right: 80.845+/-0.012 χ^2/NDF: 17045114.6/58

In: 94.774+/-0.013 χ^2/NDF:13735193.3/49

Out: 97.609+/-0.013 χ^2/NDF:14441679.0/56

All: 96.213+/-0.009 χ^2/NDF: 28199727.1/106



Right In: 0.035+/-0.024 χ^2/NDF: 34.6/26

Left Out: -0.024+/-0.030 χ^2/NDF:22.2/24

Right Out: -0.007+/-0.024 χ^2/NDF: 44.7/31

Left In: 0.019+/-0.030 χ^2/NDF:23.0/22

Left: -0.003+/-0.021 χ^2/NDF: 46.2/47

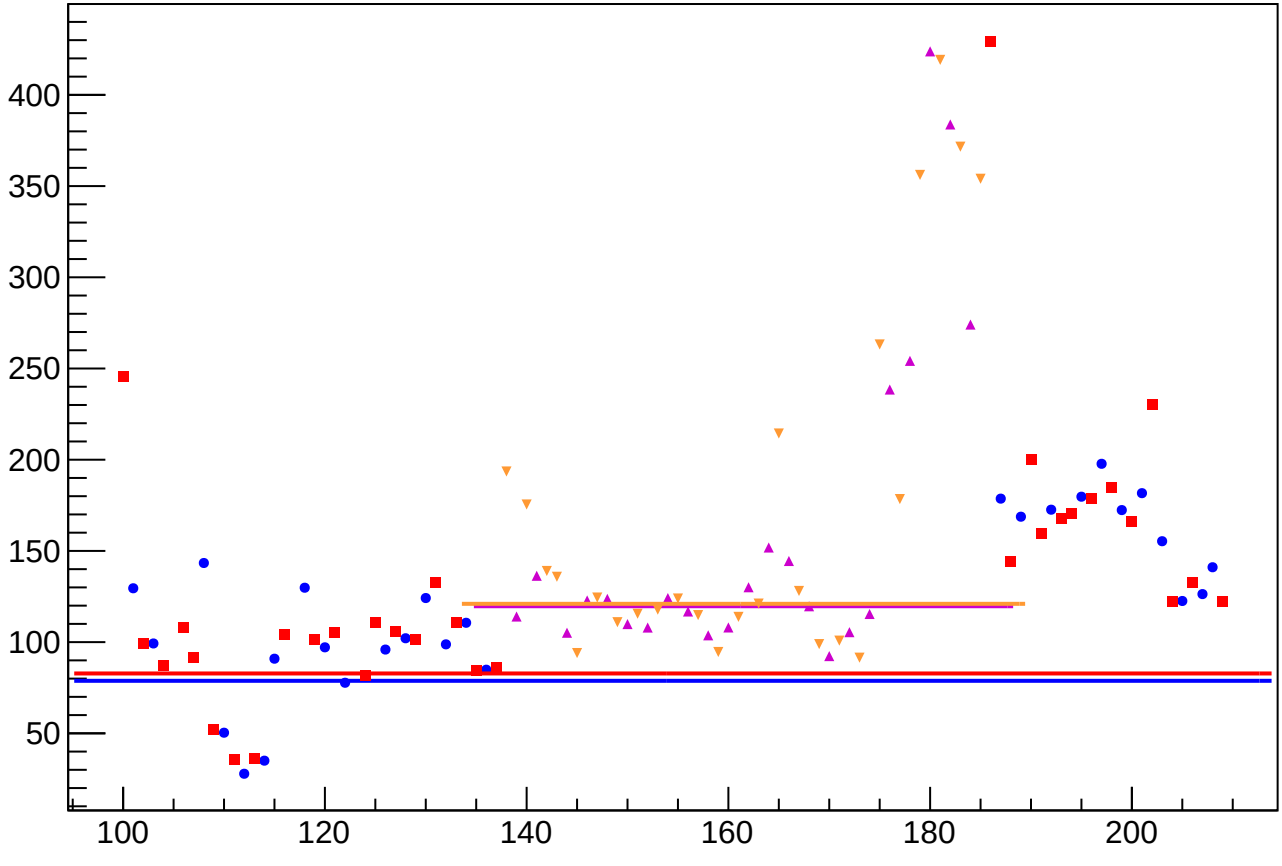
Right: 0.014+/-0.017 χ^2/NDF: 80.8/58

In: 0.029+/-0.019 χ^2/NDF:57.8/49

Out: -0.013+/-0.019 χ^2/NDF:67.1/56

All: 0.007+/-0.013 χ^2/NDF: 127.4/106

asym_sam4_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 78.795+/-0.017 χ^2/NDF: 8667787.1/26

Left Out: 120.999+/-0.021 χ^2/NDF:4095266.9/24

Right Out: 82.823+/-0.017 χ^2/NDF: 8349149.3/31

Left In: 119.679+/-0.021 χ^2/NDF:2838257.9/22

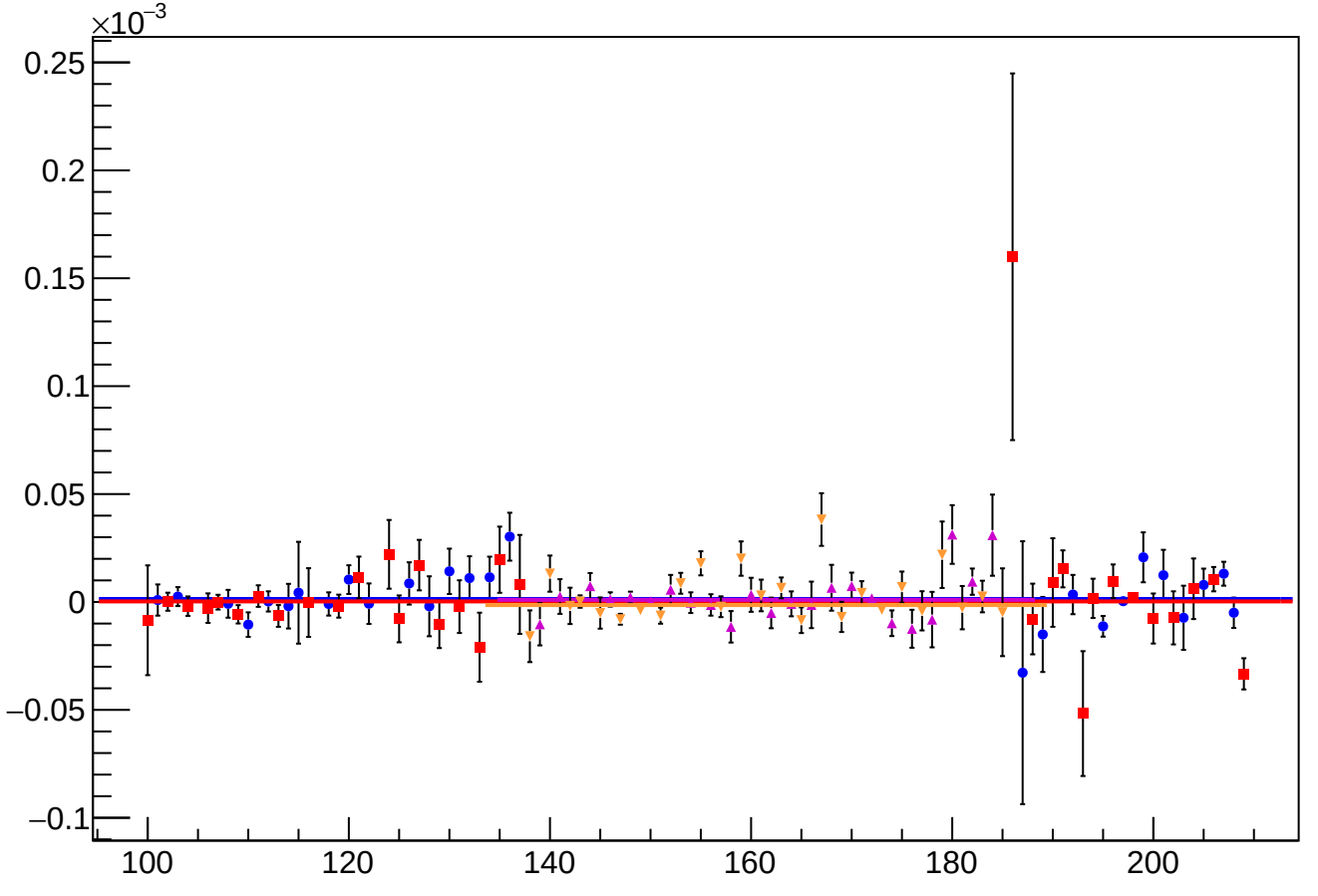
Left: 120.346+/-0.015 χ^2/NDF: 6935453.1/47

Right: 80.845+/-0.012 χ^2/NDF: 17045114.6/58

In: 94.774+/-0.013 χ^2/NDF:13735193.3/49

Out: 97.609+/-0.013 χ^2/NDF:14441679.0/56

All: 96.213+/-0.009 χ^2/NDF: 28199727.1/106



Right In: 0.000+/-0.000 χ^2/NDF: 36.2/26

Left Out: -0.000+/-0.000 χ^2/NDF:60.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 54.1/31

Left In: 0.000+/-0.000 χ^2/NDF:24.5/22

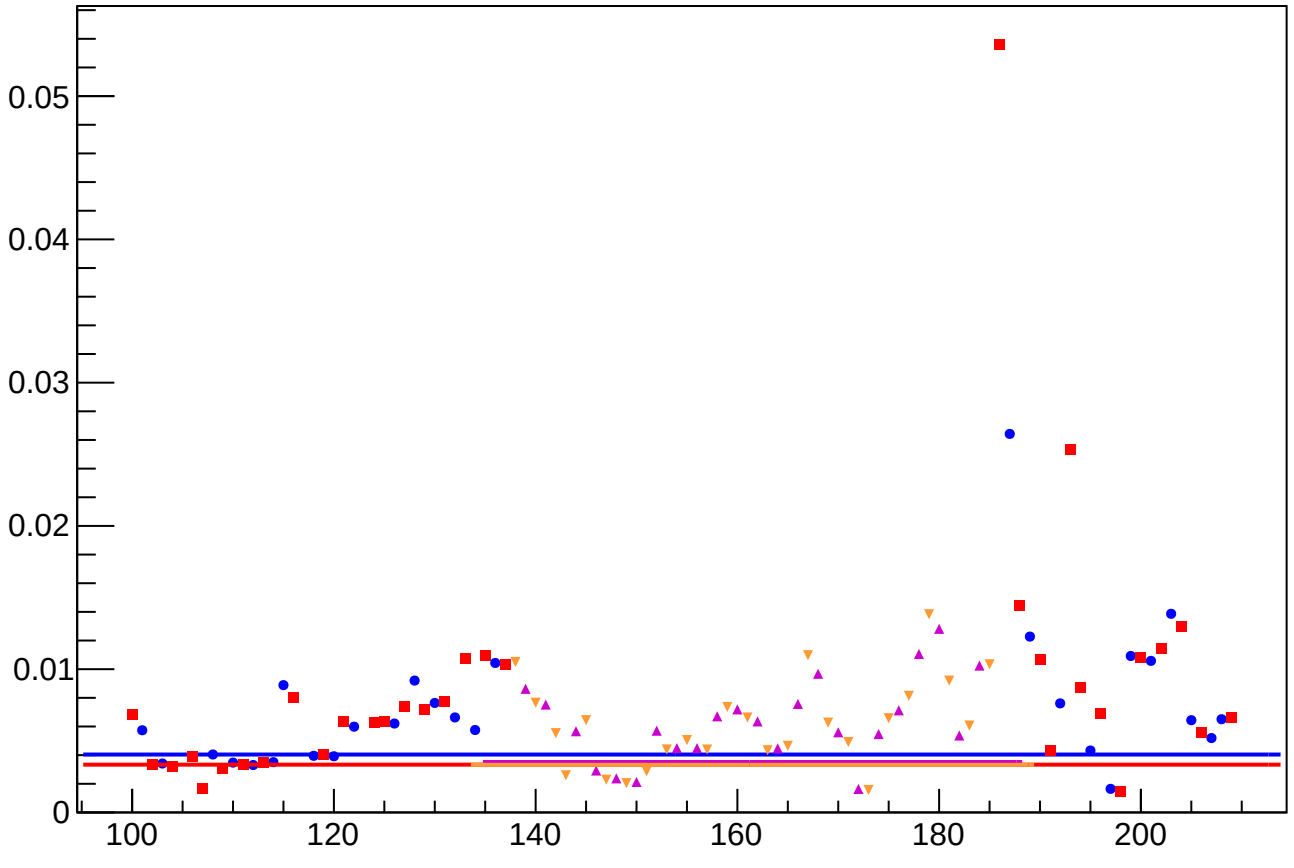
Left: -0.000+/-0.000 χ^2/NDF: 88.2/47

Right: 0.000+/-0.000 χ^2/NDF: 90.7/58

In: 0.000+/-0.000 χ^2/NDF:60.7/49

Out: -0.000+/-0.000 χ^2/NDF:116.0/56

All: 0.000+/-0.000 χ^2/NDF: 180.0/106



Right In: 0.004+/-0.000 χ^2/NDF: 8060907.9/26

Left Out: 0.003+/-0.000 χ^2/NDF:10486084.0/24

Right Out: 0.003+/-0.000 χ^2/NDF: 13101753.0/31

Left In: 0.004+/-0.000 χ^2/NDF:9426441.5/22

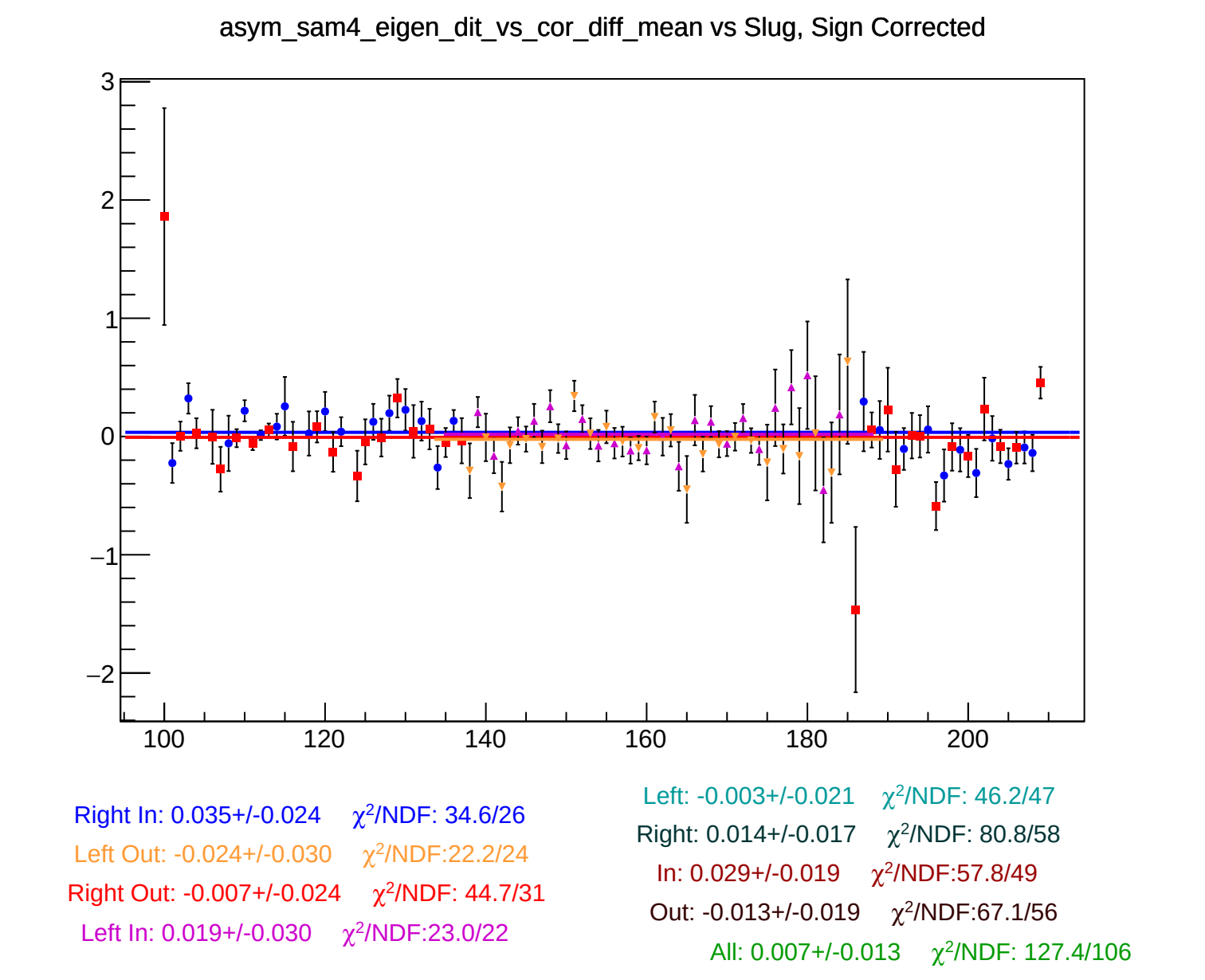
Left: 0.003+/-0.000 χ^2/NDF: 19955580.6/47

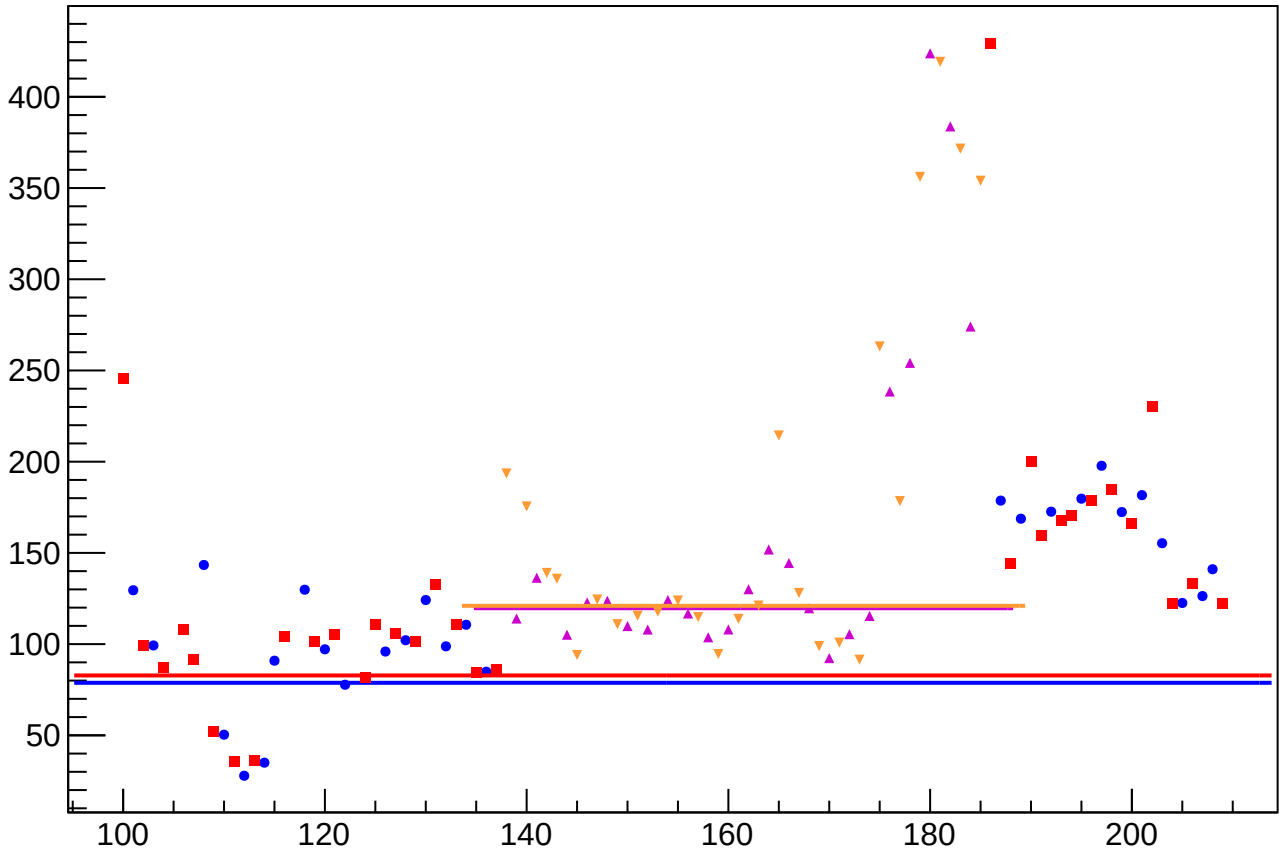
Right: 0.004+/-0.000 χ^2/NDF: 21547634.5/58

In: 0.004+/-0.000 χ^2/NDF:17705797.9/49

Out: 0.003+/-0.000 χ^2/NDF:23587932.4/56

All: 0.004+/-0.000 χ^2/NDF: 41591042.0/106


asym_sam4_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected
3
2
1
0
−1
−2
100
120
140
160
180
200
Right In: 0.035+/-0.024 χ²/NDF: 34.6/26
Left Out: -0.024+/-0.030 χ²/NDF:22.2/24
Right Out: -0.007+/-0.024 χ²/NDF: 44.7/31
Left In: 0.019+/-0.030 χ²/NDF:23.0/22
Left: -0.003+/-0.021 χ²/NDF: 46.2/47
Right: 0.014+/-0.017 χ²/NDF: 80.8/58
In: 0.029+/-0.019 χ²/NDF:57.8/49
Out: -0.013+/-0.019 χ²/NDF:67.1/56
All: 0.007+/-0.013 χ²/NDF: 127.4/106



Right In: 78.793+/-0.017 χ^2/NDF: 8668251.2/26

Left Out: 121.000+/-0.021 χ^2/NDF:4095210.5/24

Right Out: 82.821+/-0.017 χ^2/NDF: 8349658.1/31

Left In: 119.680+/-0.021 χ^2/NDF:2838196.2/22

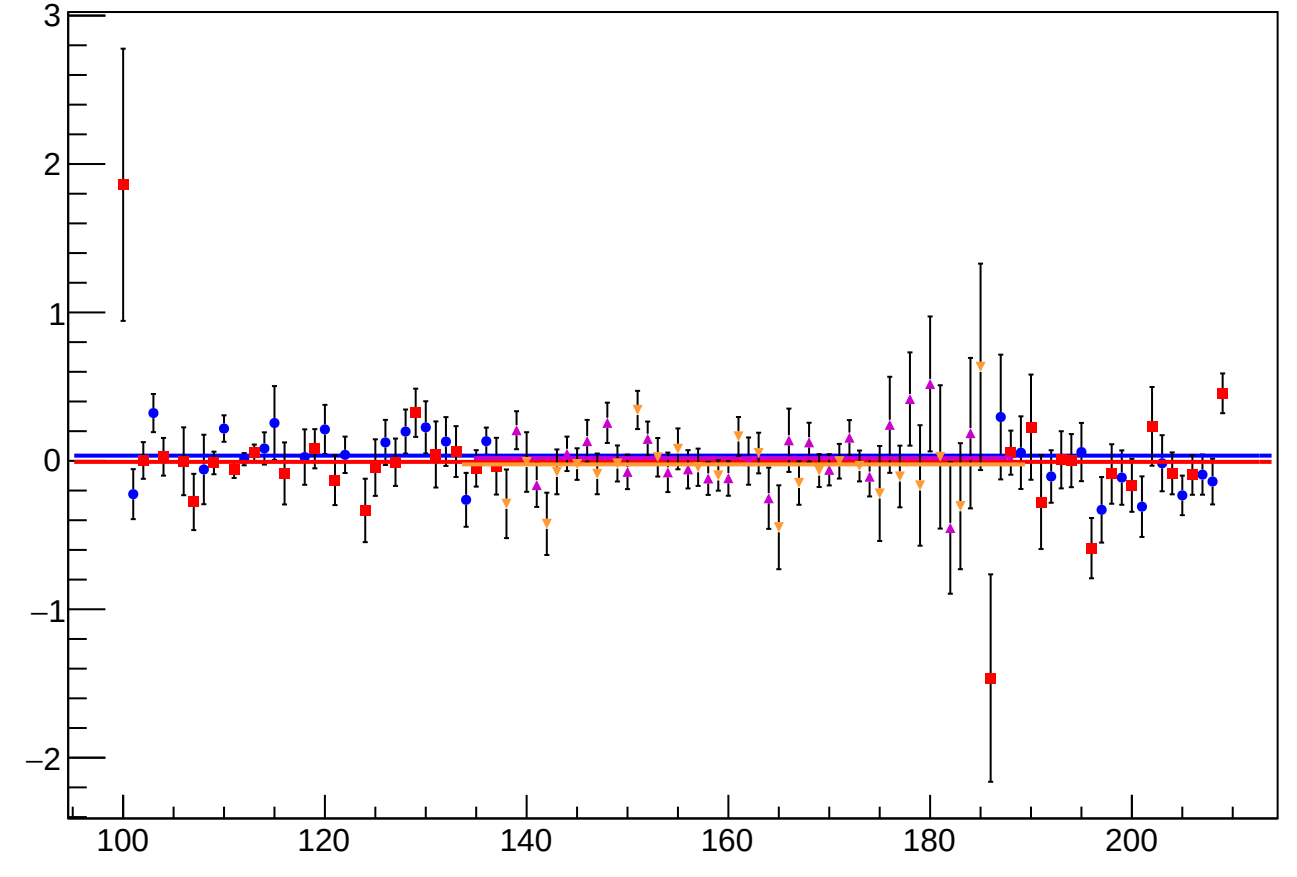
Left: 120.347+/-0.015 χ^2/NDF: 6935335.2/47

Right: 80.843+/-0.012 χ^2/NDF: 17046093.8/58

In: 94.772+/-0.013 χ^2/NDF:13735960.0/49

Out: 97.608+/-0.013 χ^2/NDF:14442436.4/56

All: 96.211+/-0.009 χ^2/NDF: 28201257.5/106



Right In: 0.035+/-0.024 χ^2/NDF: 34.6/26

Left Out: -0.024+/-0.030 χ^2/NDF:22.2/24

Right Out: -0.007+/-0.024 χ^2/NDF: 44.7/31

Left In: 0.019+/-0.030 χ^2/NDF:23.0/22

Left: -0.003+/-0.021 χ^2/NDF: 46.2/47

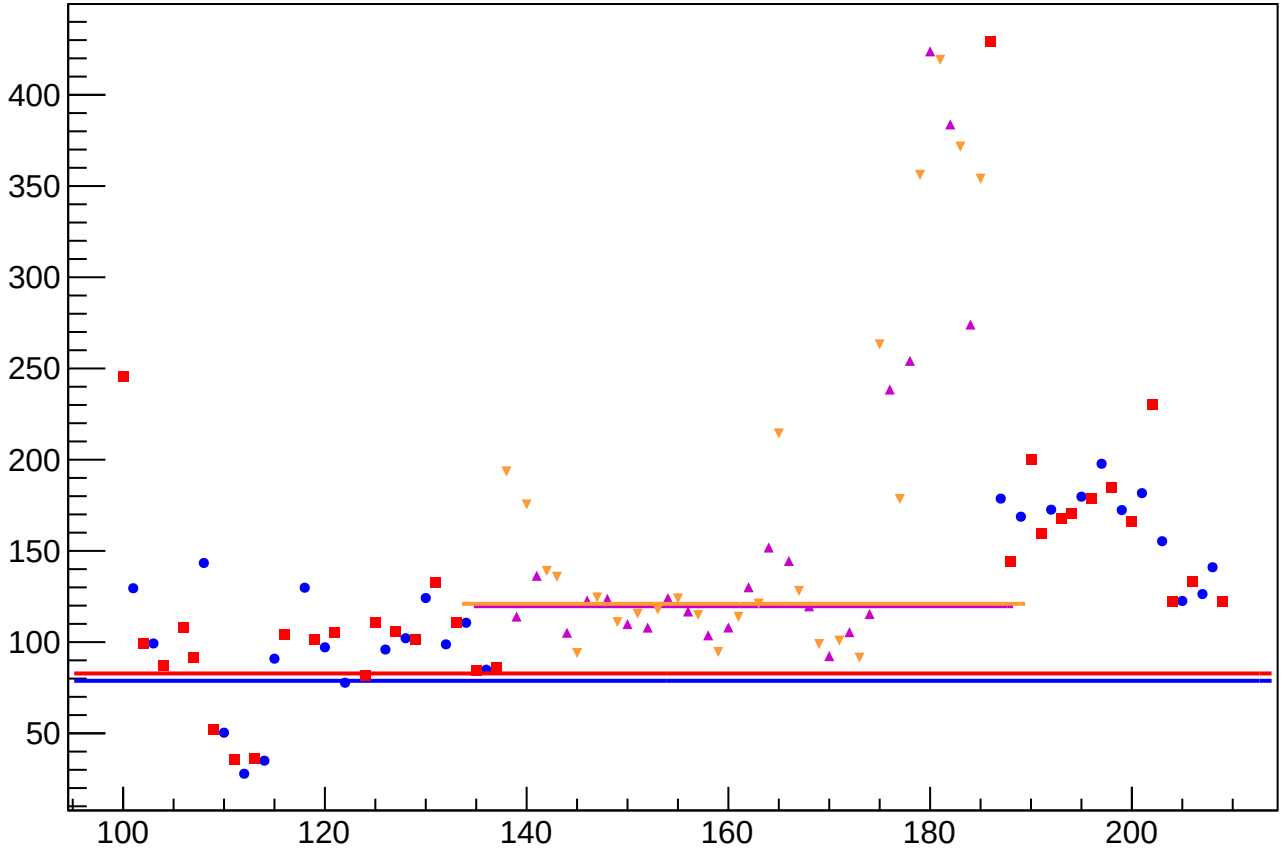
Right: 0.014+/-0.017 χ^2/NDF: 80.8/58

In: 0.029+/-0.019 χ^2/NDF:57.8/49

Out: -0.013+/-0.019 χ^2/NDF:67.1/56

All: 0.007+/-0.013 χ^2/NDF: 127.4/106

asym_sam4_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 78.793+/-0.017 χ^2/NDF: 8668251.2/26

Left Out: 121.000+/-0.021 χ^2/NDF:4095210.5/24

Right Out: 82.821+/-0.017 χ^2/NDF: 8349658.1/31

Left In: 119.680+/-0.021 χ^2/NDF:2838196.2/22

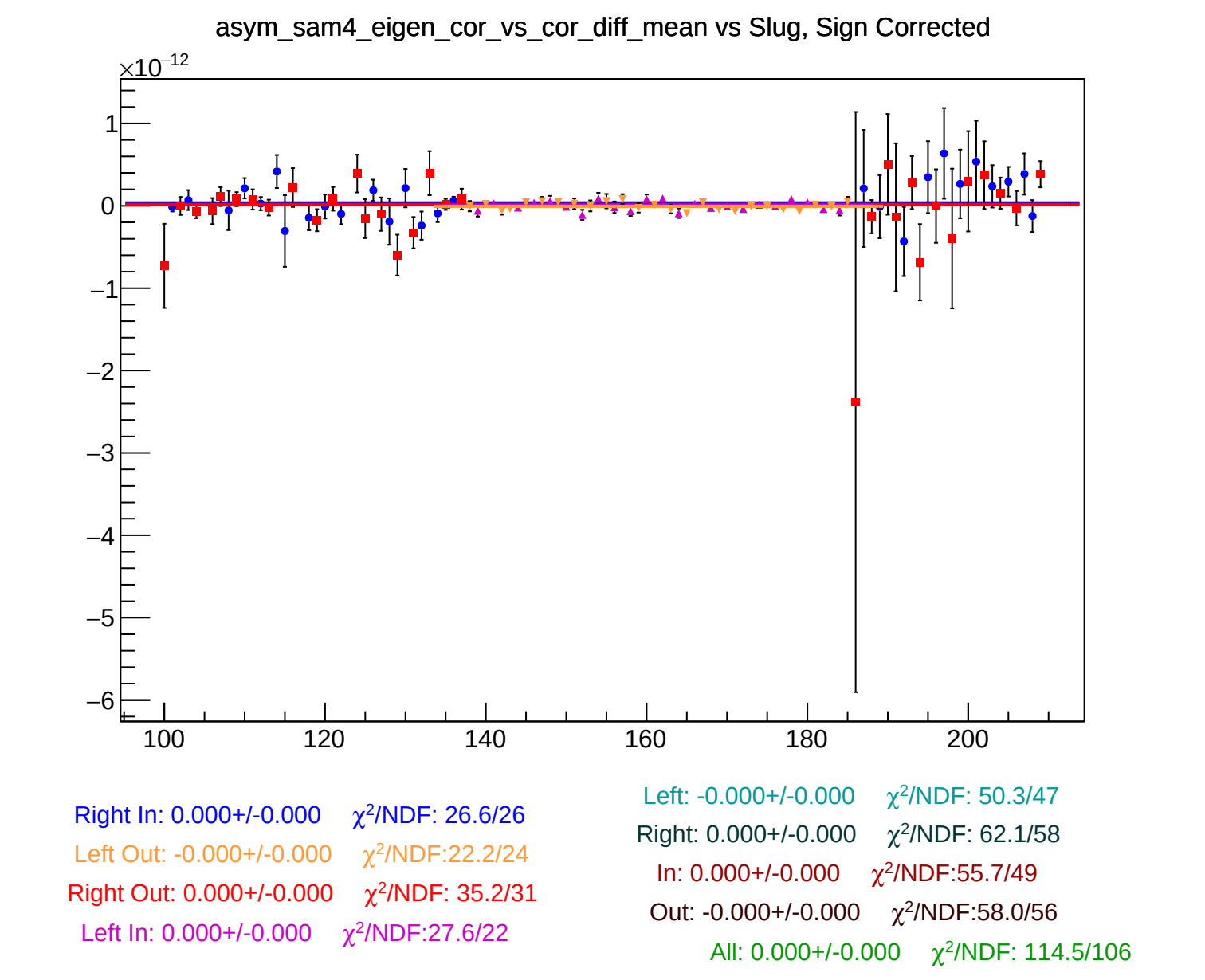
Left: 120.347+/-0.015 χ^2/NDF: 6935335.2/47

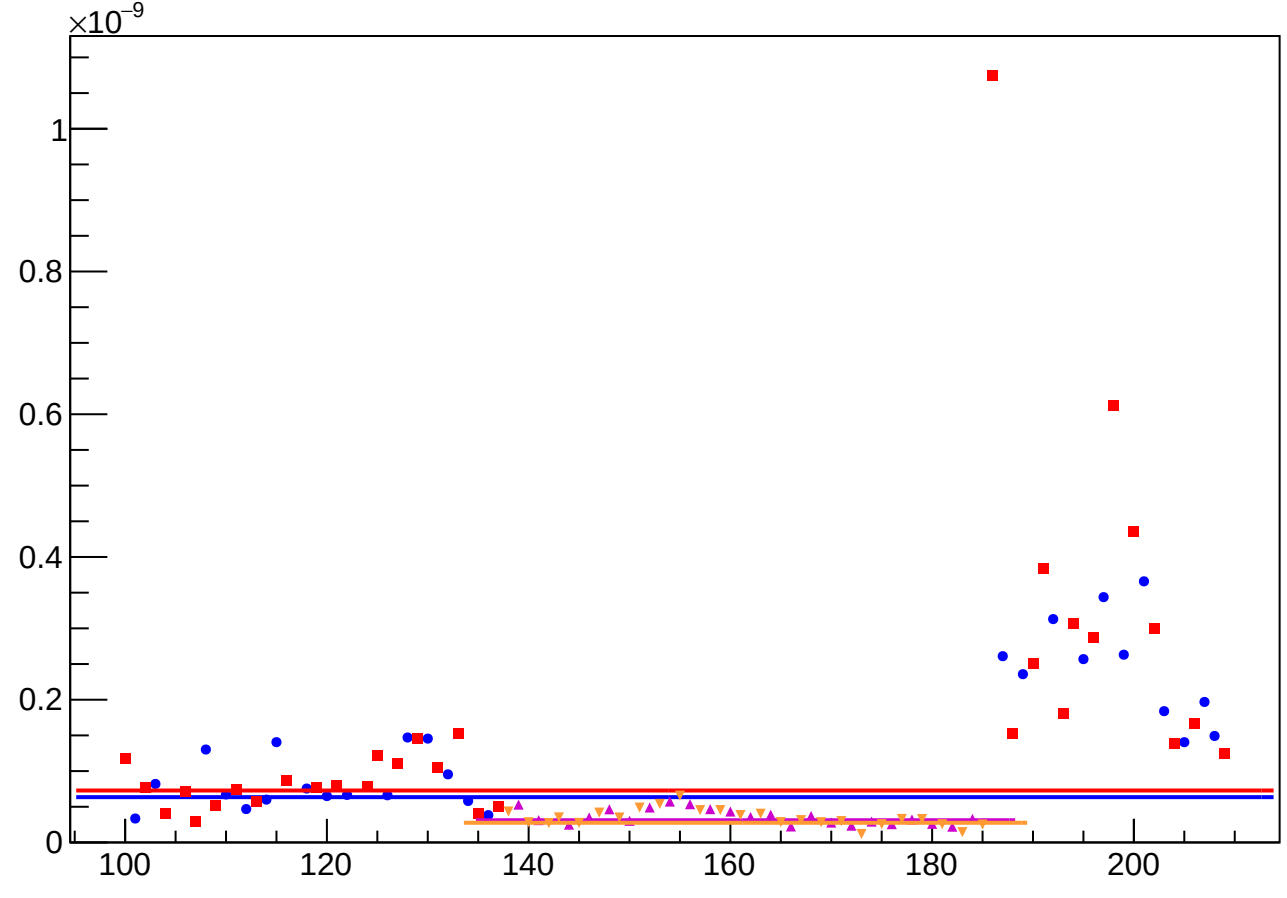
Right: 80.843+/-0.012 χ^2/NDF: 17046093.8/58

In: 94.772+/-0.013 χ^2/NDF:13735960.0/49

Out: 97.608+/-0.013 χ^2/NDF:14442436.4/56

All: 96.211+/-0.009 χ^2/NDF: 28201257.5/106


asym_sam4_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
1
0
−1
−2
−3
−4
−5
−6
100
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 26.6/26
Left Out: -0.000+/-0.000 χ²/NDF:22.2/24
Right Out: 0.000+/-0.000 χ²/NDF: 35.2/31
Left In: 0.000+/-0.000 χ²/NDF:27.6/22
Left: -0.000+/-0.000 χ²/NDF: 50.3/47
Right: 0.000+/-0.000 χ²/NDF: 62.1/58
In: 0.000+/-0.000 χ²/NDF:55.7/49
Out: -0.000+/-0.000 χ²/NDF:58.0/56
All: 0.000+/-0.000 χ²/NDF: 114.5/106



Right In: 0.000+/-0.000 χ^2/NDF: 7144031.2/26

Left Out: 0.000+/-0.000 χ^2/NDF:3691738.1/24

Right Out: 0.000+/-0.000 χ^2/NDF: 6998354.3/31

Left In: 0.000+/-0.000 χ^2/NDF:1937733.7/22

Left: 0.000+/-0.000 χ^2/NDF: 5803061.5/47

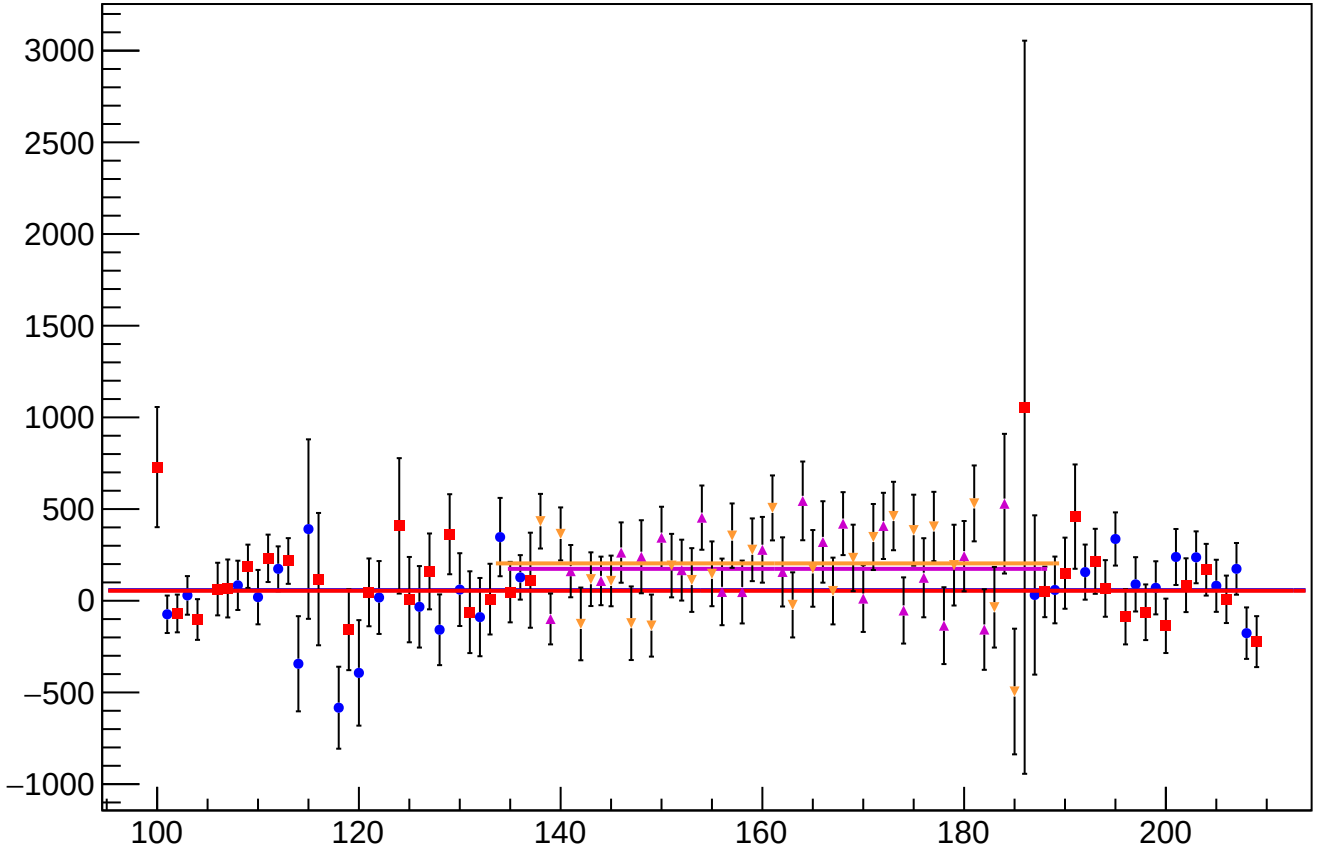
Right: 0.000+/-0.000 χ^2/NDF: 14268694.9/58

In: 0.000+/-0.000 χ^2/NDF:12022485.5/49

Out: 0.000+/-0.000 χ^2/NDF:15760473.8/56

All: 0.000+/-0.000 χ^2/NDF: 27971469.7/106

reg_asym_sam5_mean vs Slug, Sign Corrected



Right In: 57.891+/-30.455 χ^2/NDF: 31.1/26

Left Out: 203.760+/-35.878 χ^2/NDF:32.9/24

Right Out: 54.546+/-28.832 χ^2/NDF: 28.4/31

Left In: 173.974+/-37.405 χ^2/NDF:24.5/22

Left: 189.488+/-25.893 χ^2/NDF: 57.7/47

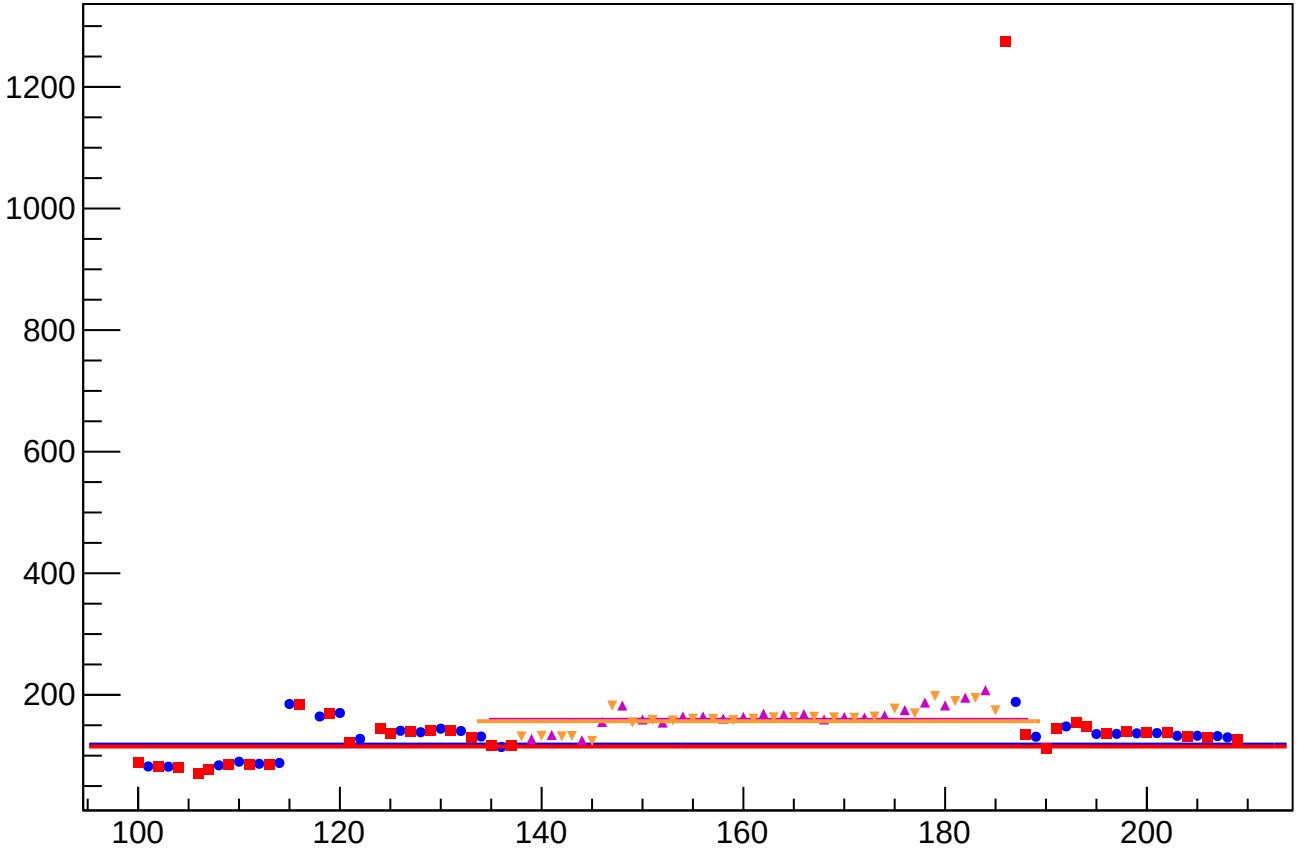
Right: 56.127+/-20.938 χ^2/NDF: 59.5/58

In: 104.167+/-23.617 χ^2/NDF:61.4/49

Out: 113.098+/-22.474 χ^2/NDF:71.8/56

All: 108.854+/-16.281 χ^2/NDF: 133.3/106

reg_asym_sam5_rms vs Slug, Sign Corrected



Right In: 118.176+/-0.022 χ^2/NDF: 1487966.0/26

Left Out: 156.638+/-0.025 χ^2/NDF:582414.4/24

Right Out: 115.024+/-0.020 χ^2/NDF: 2570114.7/31

Left In: 158.952+/-0.026 χ^2/NDF:511321.2/22

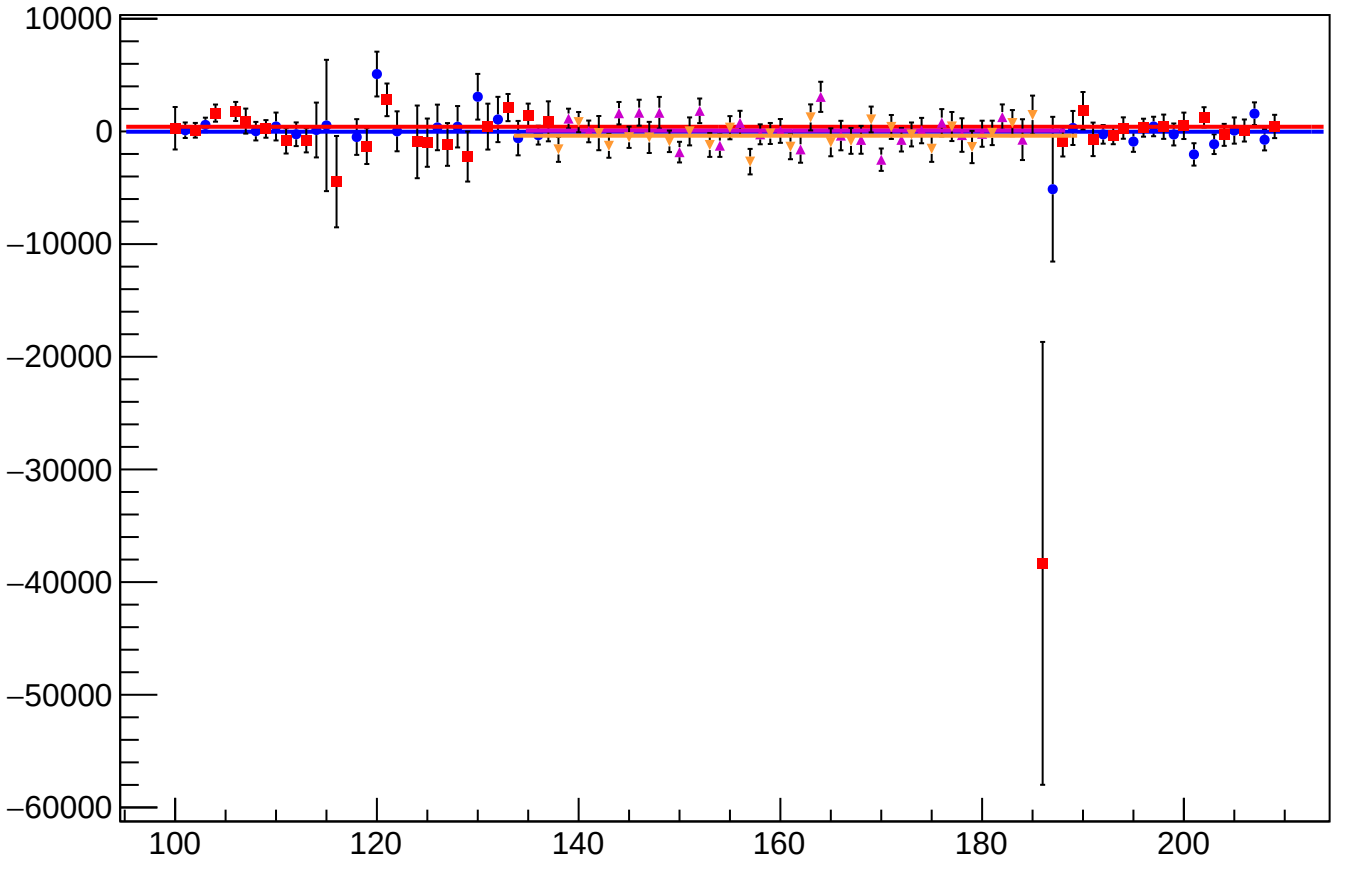
Left: 157.746+/-0.018 χ^2/NDF: 1097721.4/47

Right: 116.514+/-0.015 χ^2/NDF: 4069373.7/58

In: 134.431+/-0.017 χ^2/NDF:3428502.1/49

Out: 131.354+/-0.016 χ^2/NDF:4787322.8/56

All: 132.816+/-0.012 χ^2/NDF: 8233646.0/106



Right In: -25.689+/-211.822 χ^2/NDF: 21.7/26

Left Out: -380.690+/-224.554 χ^2/NDF:18.7/24

Right Out: 413.959+/-198.964 χ^2/NDF: 27.9/31

Left In: 74.440+/-229.788 χ^2/NDF:33.1/22

Left: -158.368+/-160.602 χ^2/NDF: 53.8/47

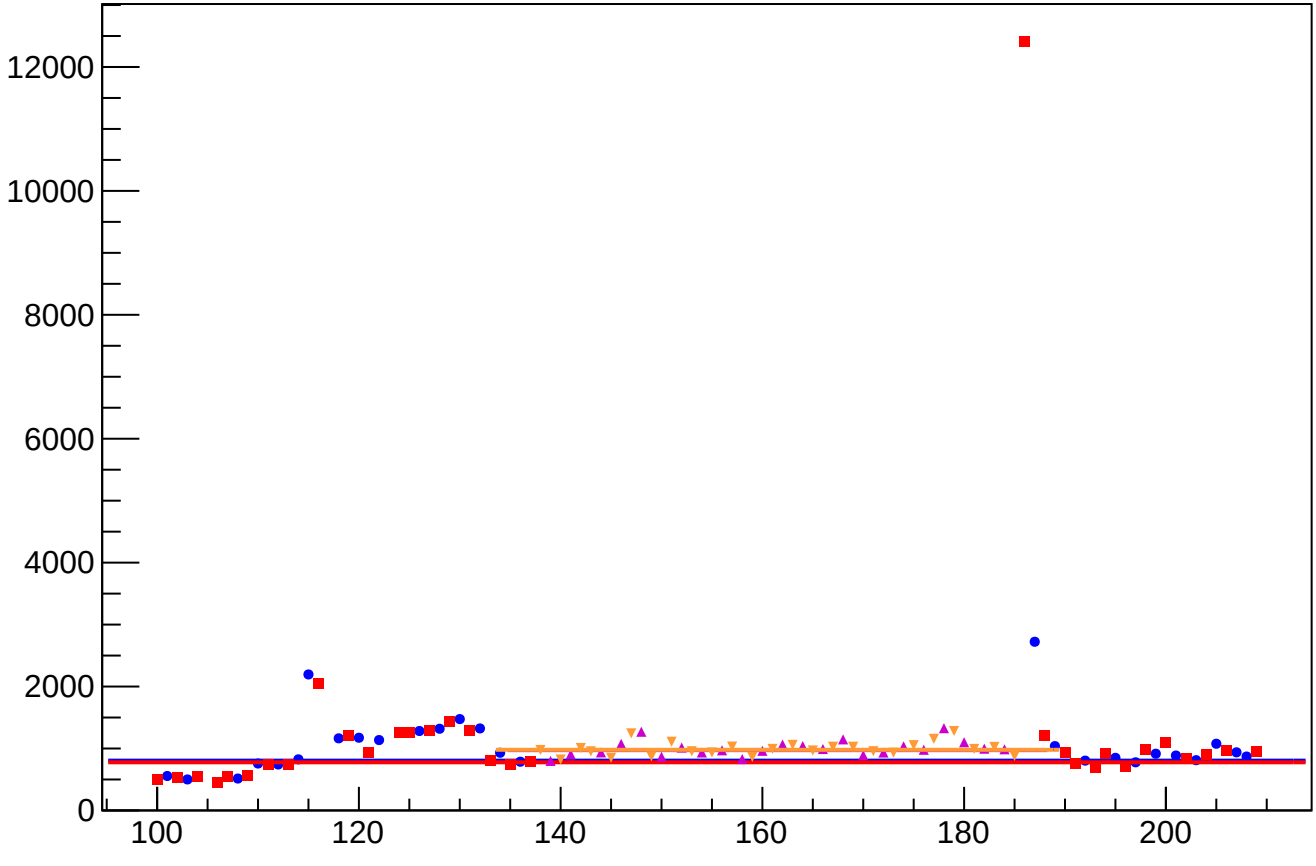
Right: 207.883+/-145.022 χ^2/NDF: 51.8/58

In: 20.309+/-155.746 χ^2/NDF:54.8/49

Out: 64.473+/-148.918 χ^2/NDF:53.6/56

All: 43.380+/-107.634 χ^2/NDF: 108.5/106

asym_sam5_reg_correction_rms vs Slug, Sign Corrected



Right In: 803.972+/-0.150 χ^2/NDF: 2380944.8/26

Left Out: 979.111+/-0.159 χ^2/NDF:429795.3/24

Right Out: 777.132+/-0.141 χ^2/NDF: 3467667.8/31

Left In: 973.818+/-0.162 χ^2/NDF:498612.7/22

Left: 976.526+/-0.114 χ^2/NDF: 928951.0/47

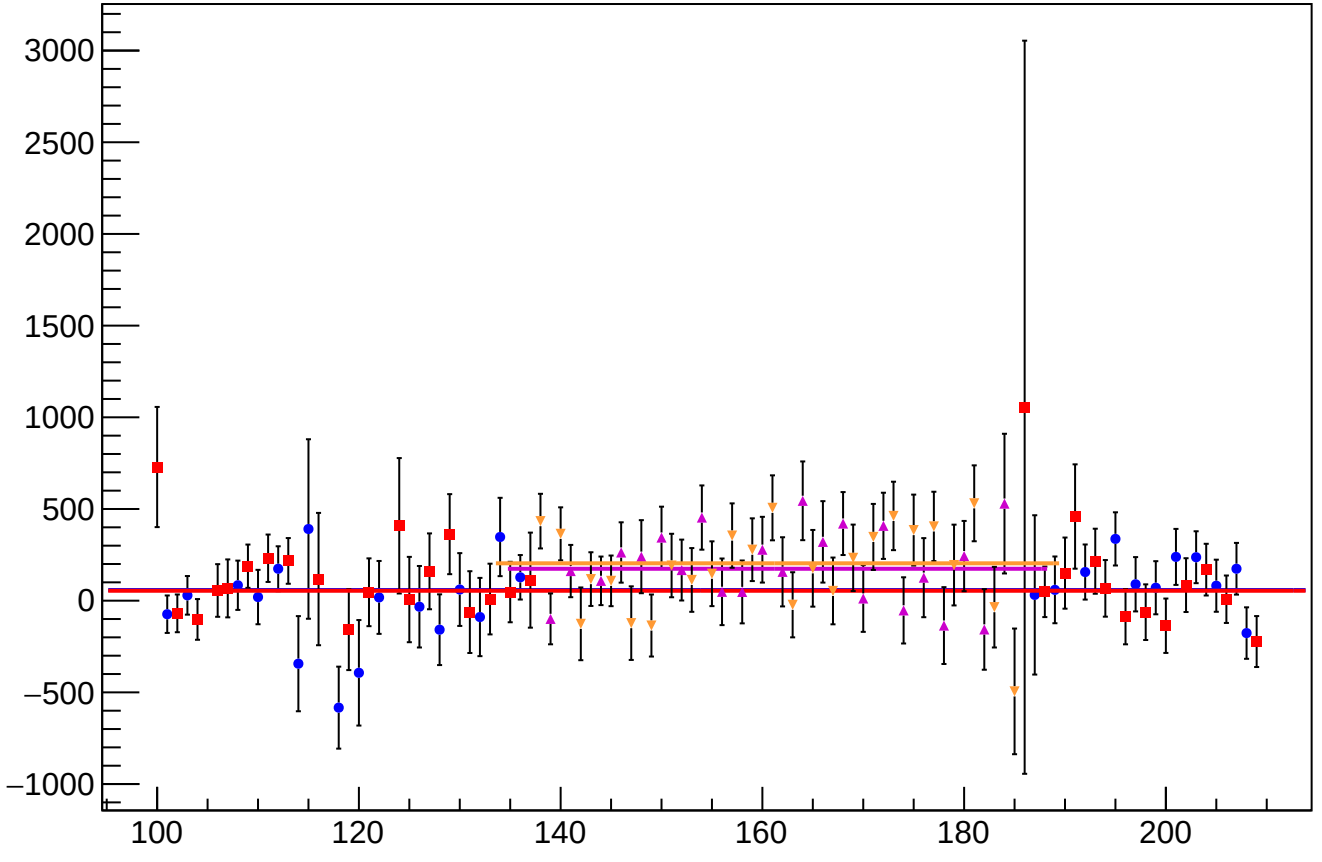
Right: 789.713+/-0.103 χ^2/NDF: 5865671.6/58

In: 881.996+/-0.110 χ^2/NDF:3470267.1/49

Out: 865.962+/-0.105 χ^2/NDF:4803919.9/56

All: 873.620+/-0.076 χ^2/NDF: 8285260.6/106

cor_asym_sam5_mean vs Slug, Sign Corrected



Right In: 57.888+/-30.455 χ^2/NDF: 31.1/26

Left Out: 203.766+/-35.878 χ^2/NDF:32.9/24

Right Out: 54.239+/-28.834 χ^2/NDF: 28.4/31

Left In: 173.978+/-37.405 χ^2/NDF:24.5/22

Left: 189.493+/-25.893 χ^2/NDF: 57.7/47

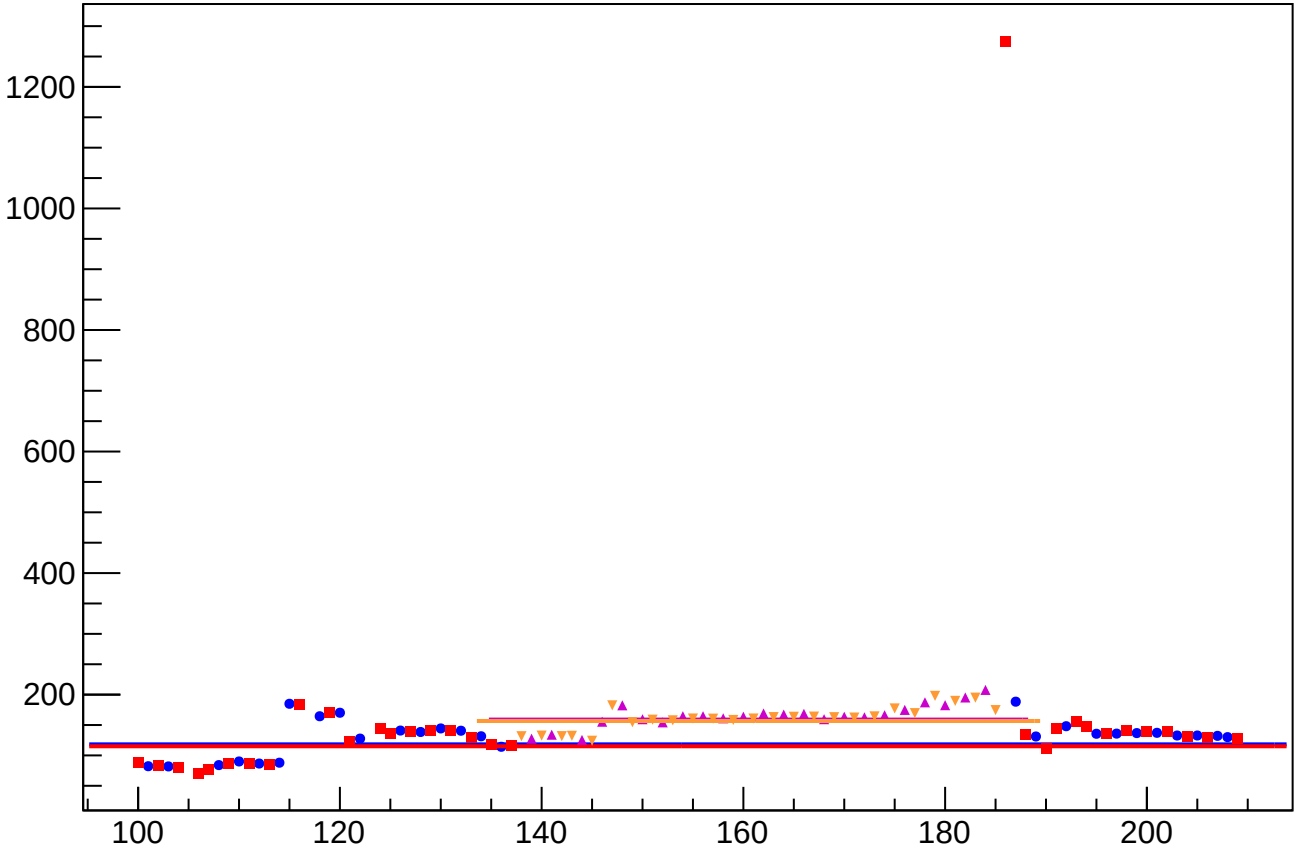
Right: 55.964+/-20.938 χ^2/NDF: 59.5/58

In: 104.168+/-23.617 χ^2/NDF:61.4/49

Out: 112.917+/-22.475 χ^2/NDF:71.8/56

All: 108.759+/-16.281 χ^2/NDF: 133.3/106

cor_asym_sam5_rms vs Slug, Sign Corrected



Right In: 118.176+/-0.022 χ^2/NDF: 1487964.7/26

Left Out: 156.638+/-0.025 χ^2/NDF:582414.5/24

Right Out: 115.012+/-0.020 χ^2/NDF: 2573286.3/31

Left In: 158.952+/-0.026 χ^2/NDF:511321.3/22

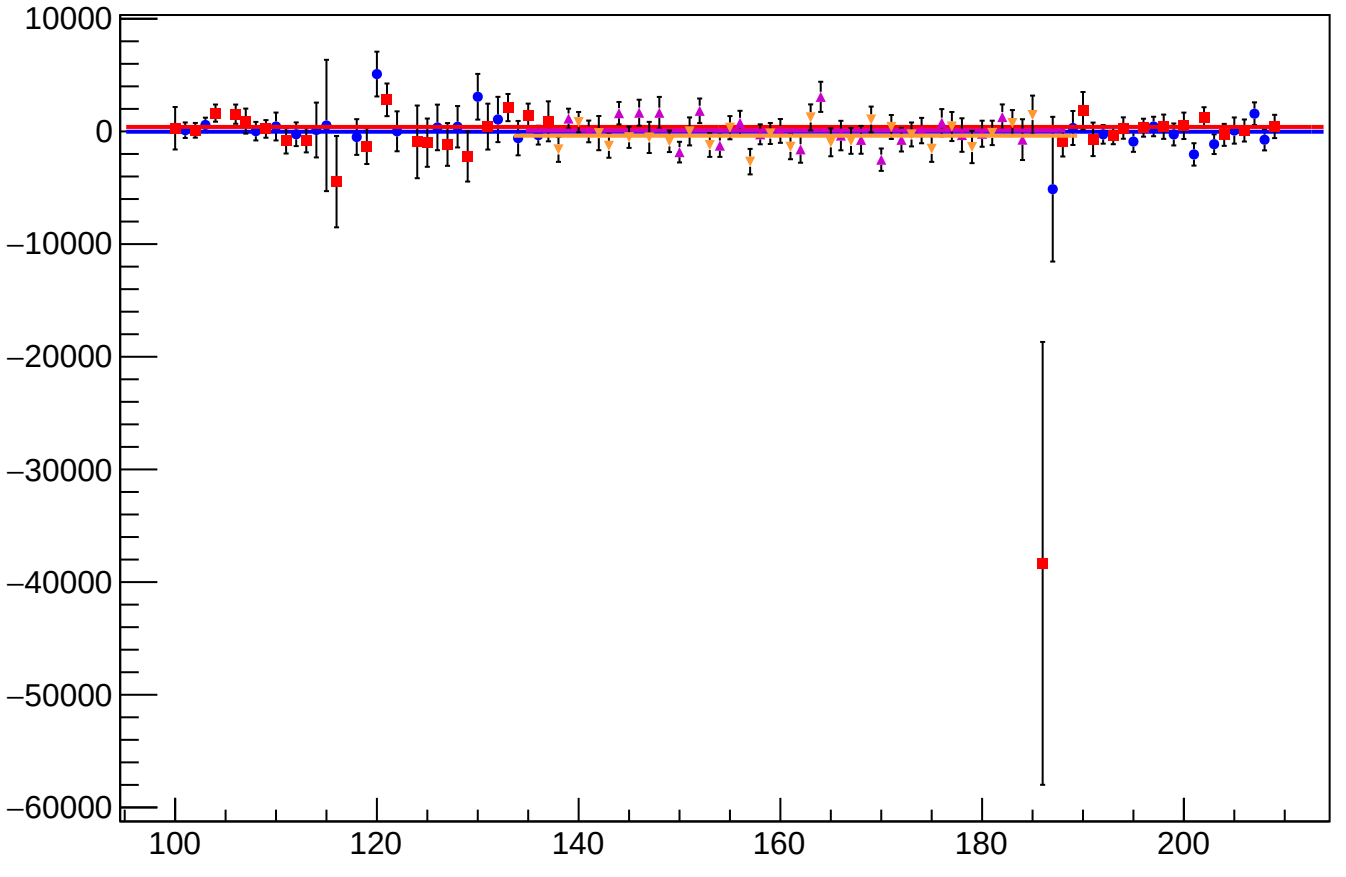
Left: 157.746+/-0.018 χ^2/NDF: 1097721.5/47

Right: 116.507+/-0.015 χ^2/NDF: 4072633.7/58

In: 134.431+/-0.017 χ^2/NDF:3428500.1/49

Out: 131.347+/-0.016 χ^2/NDF:4791428.2/56

All: 132.813+/-0.012 χ^2/NDF: 8237828.0/106



Right In: -25.687+/-211.822 χ^2/NDF: 21.7/26

Left Out: -380.678+/-224.554 χ^2/NDF:18.7/24

Right Out: 399.821+/-199.036 χ^2/NDF: 27.0/31

Left In: 74.438+/-229.788 χ^2/NDF:33.1/22

Left: -158.362+/-160.602 χ^2/NDF: 53.8/47

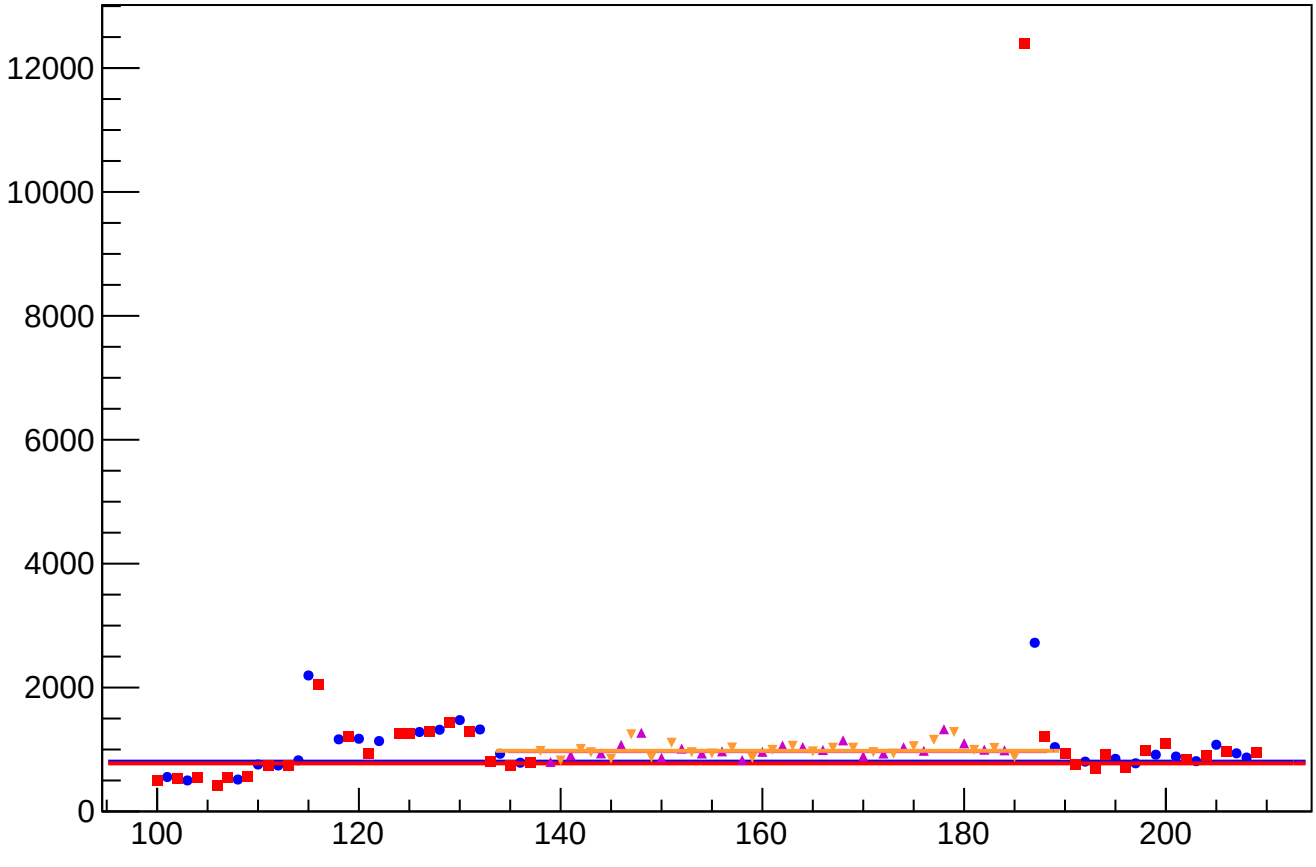
Right: 200.296+/-145.049 χ^2/NDF: 50.8/58

In: 20.309+/-155.746 χ^2/NDF:54.8/49

Out: 56.420+/-148.948 χ^2/NDF:52.5/56

All: 39.170+/-107.645 χ^2/NDF: 107.4/106

asym_sam5_cor_correction_rms vs Slug, Sign Corrected



Right In: 803.972+/-0.150 χ^2/NDF: 2380949.0/26

Left Out: 979.112+/-0.159 χ^2/NDF:429793.5/24

Right Out: 776.041+/-0.141 χ^2/NDF: 3509283.9/31

Left In: 973.818+/-0.162 χ^2/NDF:498615.1/22

Left: 976.526+/-0.114 χ^2/NDF: 928951.7/47

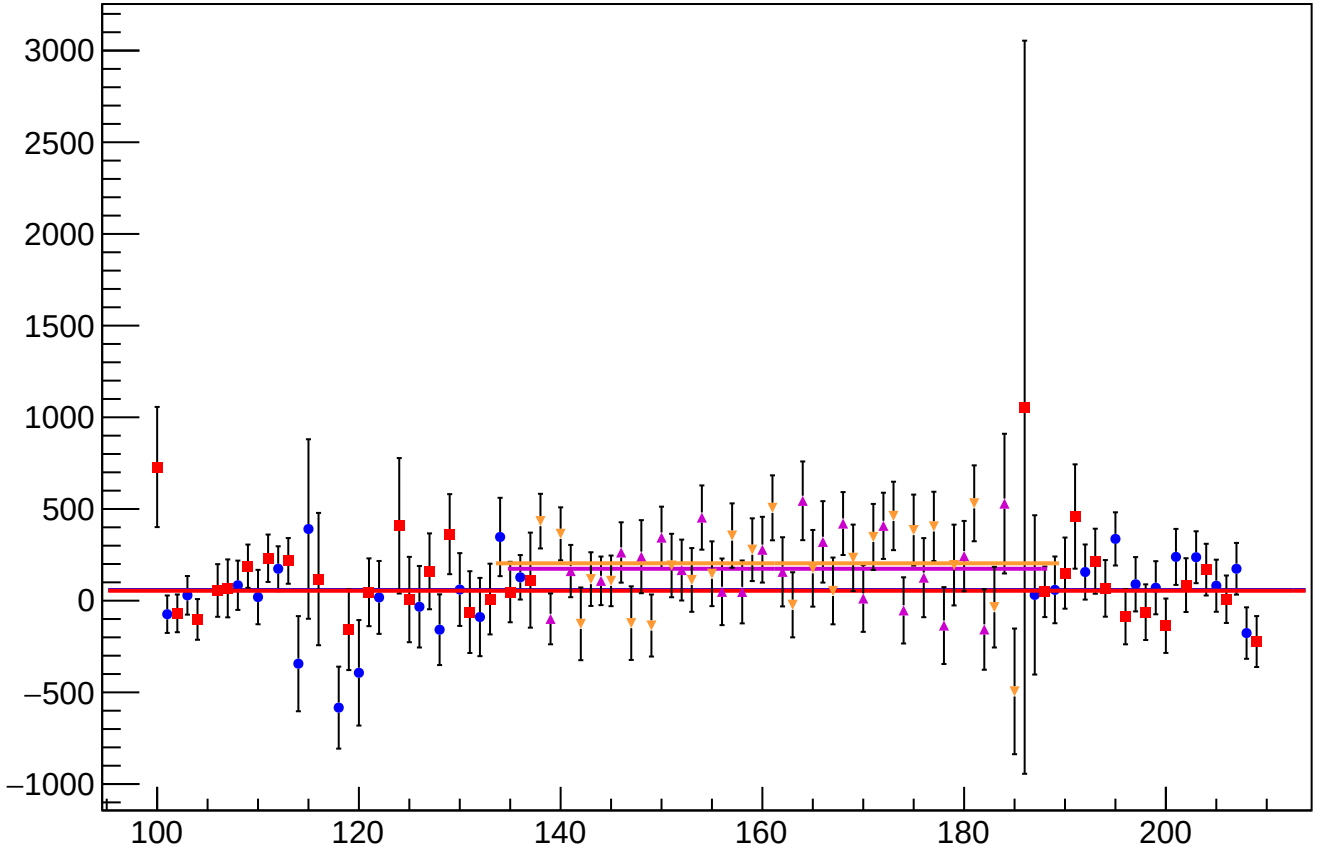
Right: 789.138+/-0.103 χ^2/NDF: 5908700.9/58

In: 881.996+/-0.110 χ^2/NDF:3470274.8/49

Out: 865.387+/-0.105 χ^2/NDF:4855069.0/56

All: 873.321+/-0.076 χ^2/NDF: 8337223.8/106

eigen_cor_asym_sam5_mean vs Slug, Sign Corrected



Right In: 57.888+/-30.455 χ^2/NDF: 31.1/26

Left Out: 203.766+/-35.878 χ^2/NDF:32.9/24

Right Out: 54.239+/-28.834 χ^2/NDF: 28.4/31

Left In: 173.978+/-37.405 χ^2/NDF:24.5/22

Left: 189.493+/-25.893 χ^2/NDF: 57.7/47

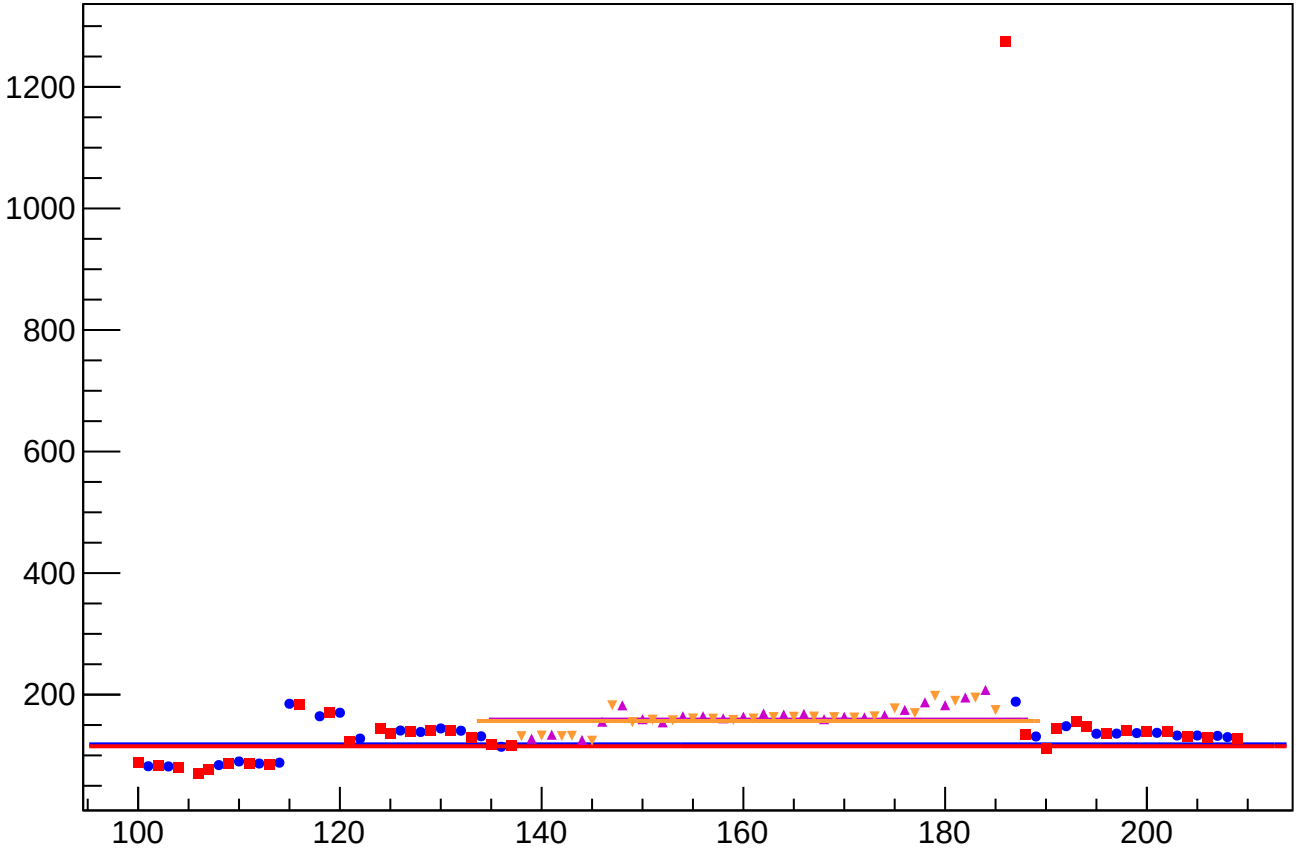
Right: 55.964+/-20.938 χ^2/NDF: 59.5/58

In: 104.168+/-23.617 χ^2/NDF:61.4/49

Out: 112.917+/-22.475 χ^2/NDF:71.8/56

All: 108.759+/-16.281 χ^2/NDF: 133.3/106

eigen_cor_asym_sam5_rms vs Slug, Sign Corrected



Right In: 118.176+/-0.022 χ^2/NDF: 1487964.7/26

Left Out: 156.638+/-0.025 χ^2/NDF:582414.5/24

Right Out: 115.012+/-0.020 χ^2/NDF: 2573286.3/31

Left In: 158.952+/-0.026 χ^2/NDF:511321.3/22

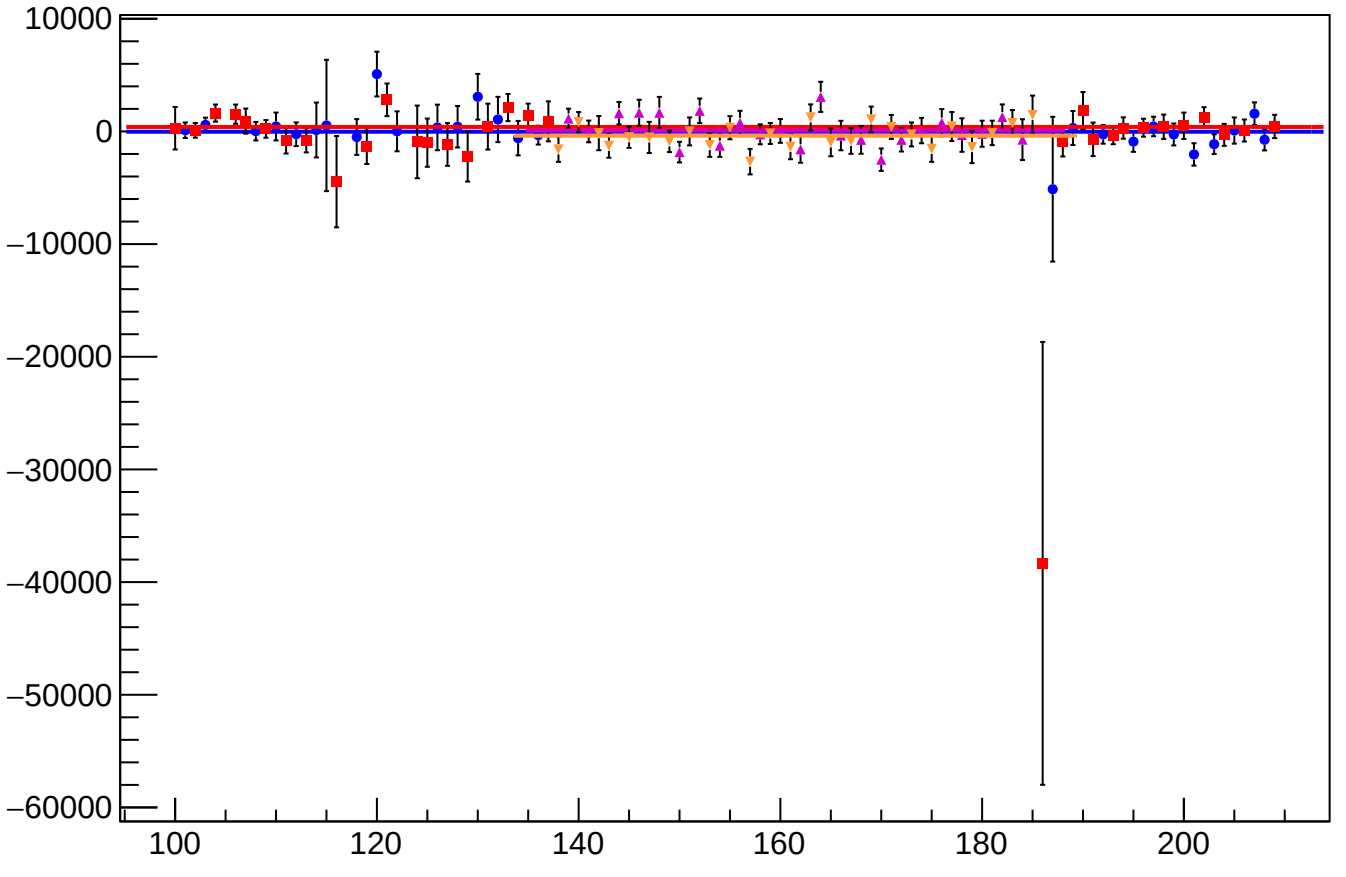
Left: 157.746+/-0.018 χ^2/NDF: 1097721.5/47

Right: 116.507+/-0.015 χ^2/NDF: 4072633.7/58

In: 134.431+/-0.017 χ^2/NDF:3428500.1/49

Out: 131.347+/-0.016 χ^2/NDF:4791428.2/56

All: 132.813+/-0.012 χ^2/NDF: 8237828.0/106



Right In: -25.687+/-211.822 χ^2/NDF: 21.7/26

Left Out: -380.678+/-224.554 χ^2/NDF:18.7/24

Right Out: 399.821+/-199.036 χ^2/NDF: 27.0/31

Left In: 74.438+/-229.788 χ^2/NDF:33.1/22

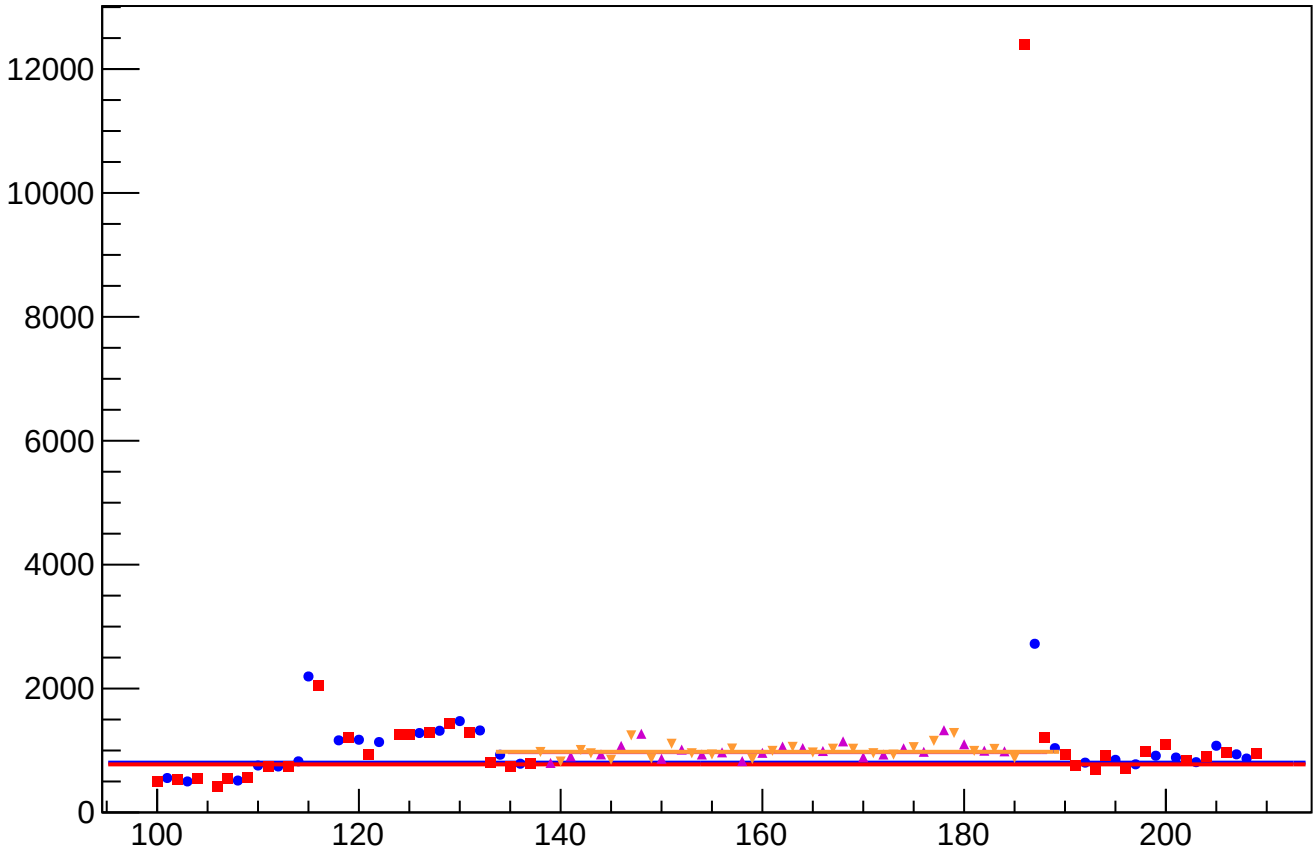
Left: -158.362+/-160.602 χ^2/NDF: 53.8/47

Right: 200.296+/-145.049 χ^2/NDF: 50.8/58

In: 20.309+/-155.746 χ^2/NDF:54.8/49

Out: 56.420+/-148.948 χ^2/NDF:52.5/56

All: 39.170+/-107.645 χ^2/NDF: 107.4/106



Right In: 803.972+/-0.150 χ^2/NDF: 2380949.0/26

Left Out: 979.112+/-0.159 χ^2/NDF:429793.5/24

Right Out: 776.041+/-0.141 χ^2/NDF: 3509283.9/31

Left In: 973.818+/-0.162 χ^2/NDF:498615.1/22

Left: 976.526+/-0.114 χ^2/NDF: 928951.7/47

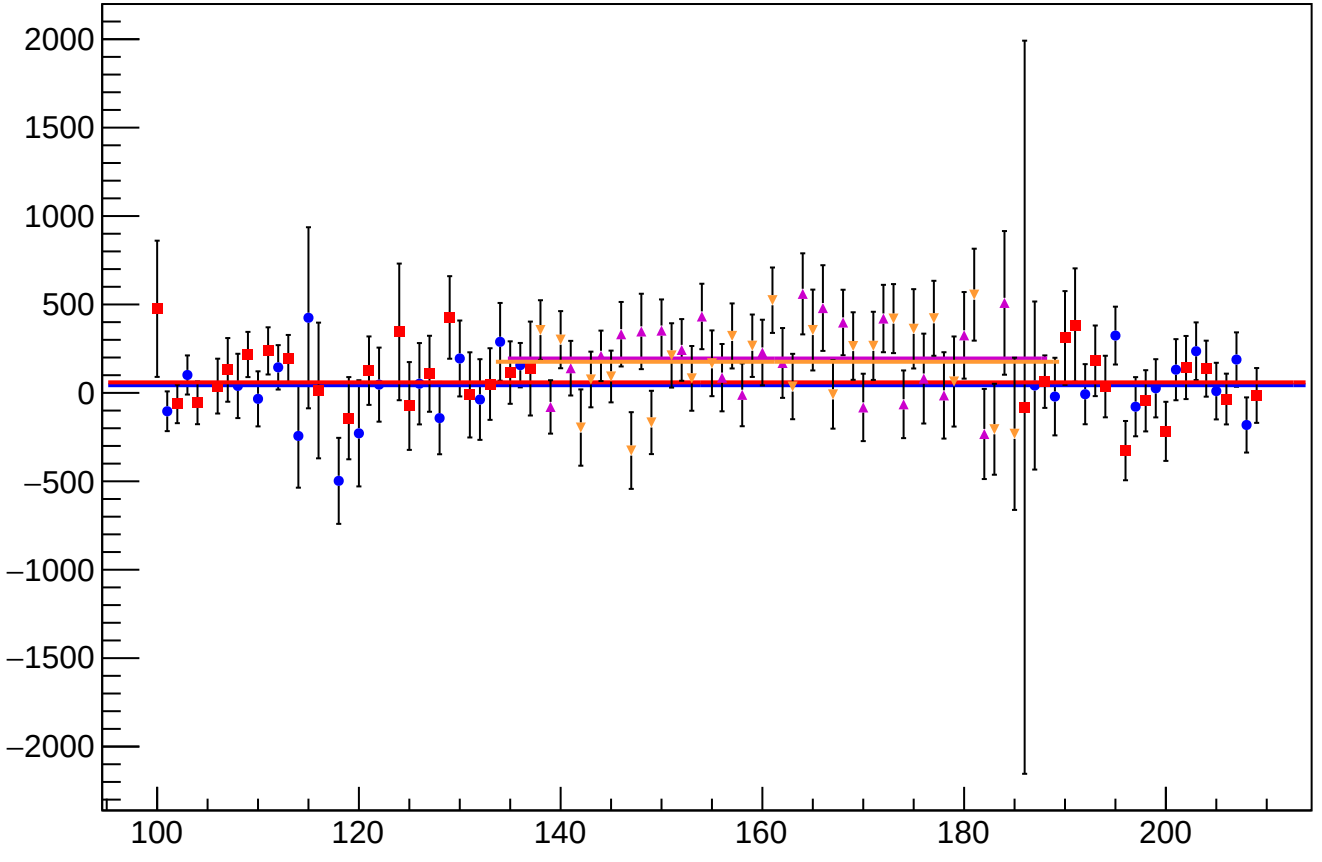
Right: 789.138+/-0.103 χ^2/NDF: 5908700.9/58

In: 881.996+/-0.110 χ^2/NDF:3470274.8/49

Out: 865.387+/-0.105 χ^2/NDF:4855069.0/56

All: 873.321+/-0.076 χ^2/NDF: 8337223.8/106

dit_asym_sam5_mean vs Slug, Sign Corrected



Right In: 43.454+/-33.458 χ^2/NDF: 22.0/26

Left Out: 176.010+/-38.838 χ^2/NDF:30.8/24

Right Out: 59.521+/-31.584 χ^2/NDF: 24.2/31

Left In: 194.324+/-40.384 χ^2/NDF:23.8/22

Left: 184.810+/-27.993 χ^2/NDF: 54.7/47

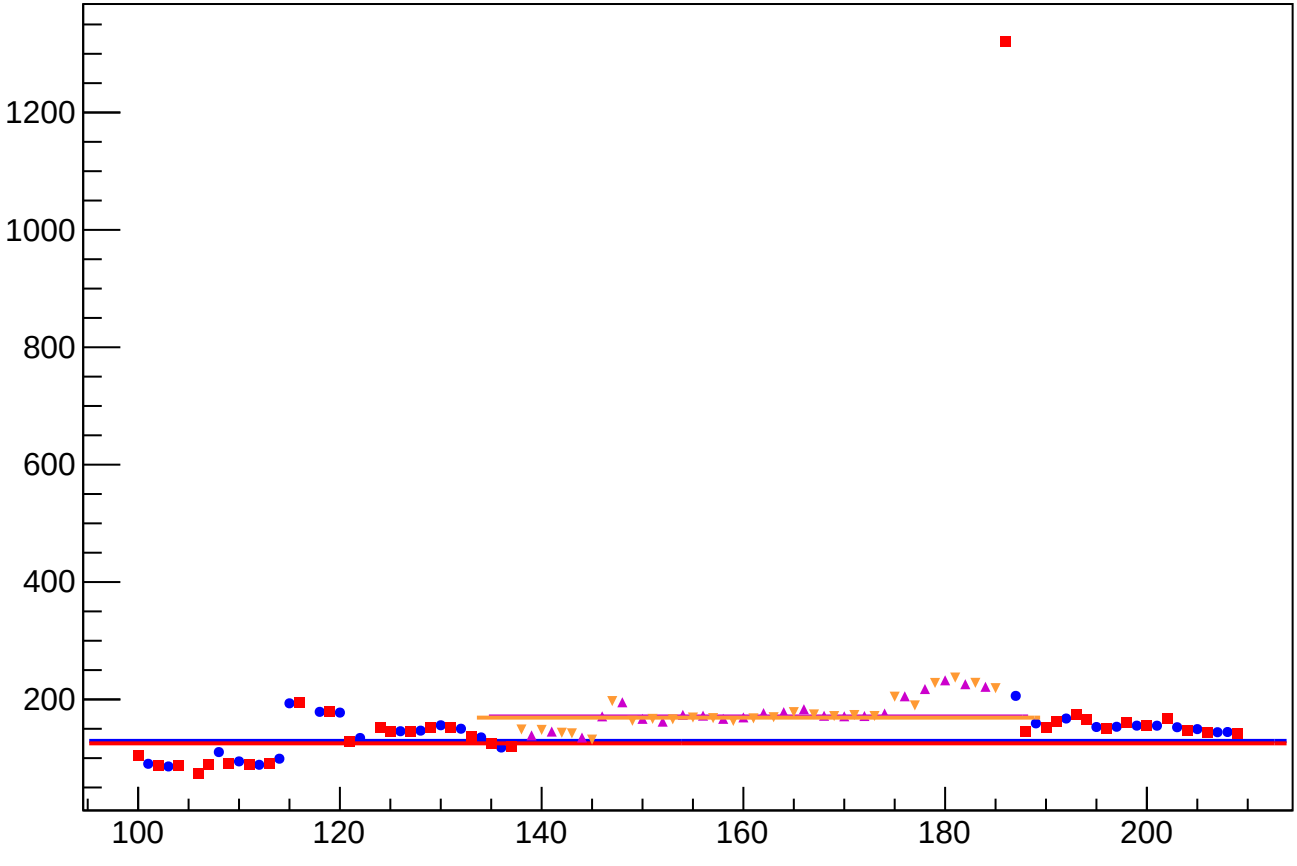
Right: 51.950+/-22.967 χ^2/NDF: 46.3/58

In: 104.861+/-25.764 χ^2/NDF:54.1/49

Out: 105.893+/-24.504 χ^2/NDF:60.4/56

All: 105.403+/-17.756 χ^2/NDF: 114.5/106

dit_asym_sam5_rms vs Slug, Sign Corrected



Right In: 129.369+/-0.024 χ^2/NDF: 1639092.7/26

Left Out: 169.009+/-0.027 χ^2/NDF:773937.9/24

Right Out: 125.194+/-0.022 χ^2/NDF: 2839368.4/31

Left In: 171.021+/-0.029 χ^2/NDF:678106.1/22

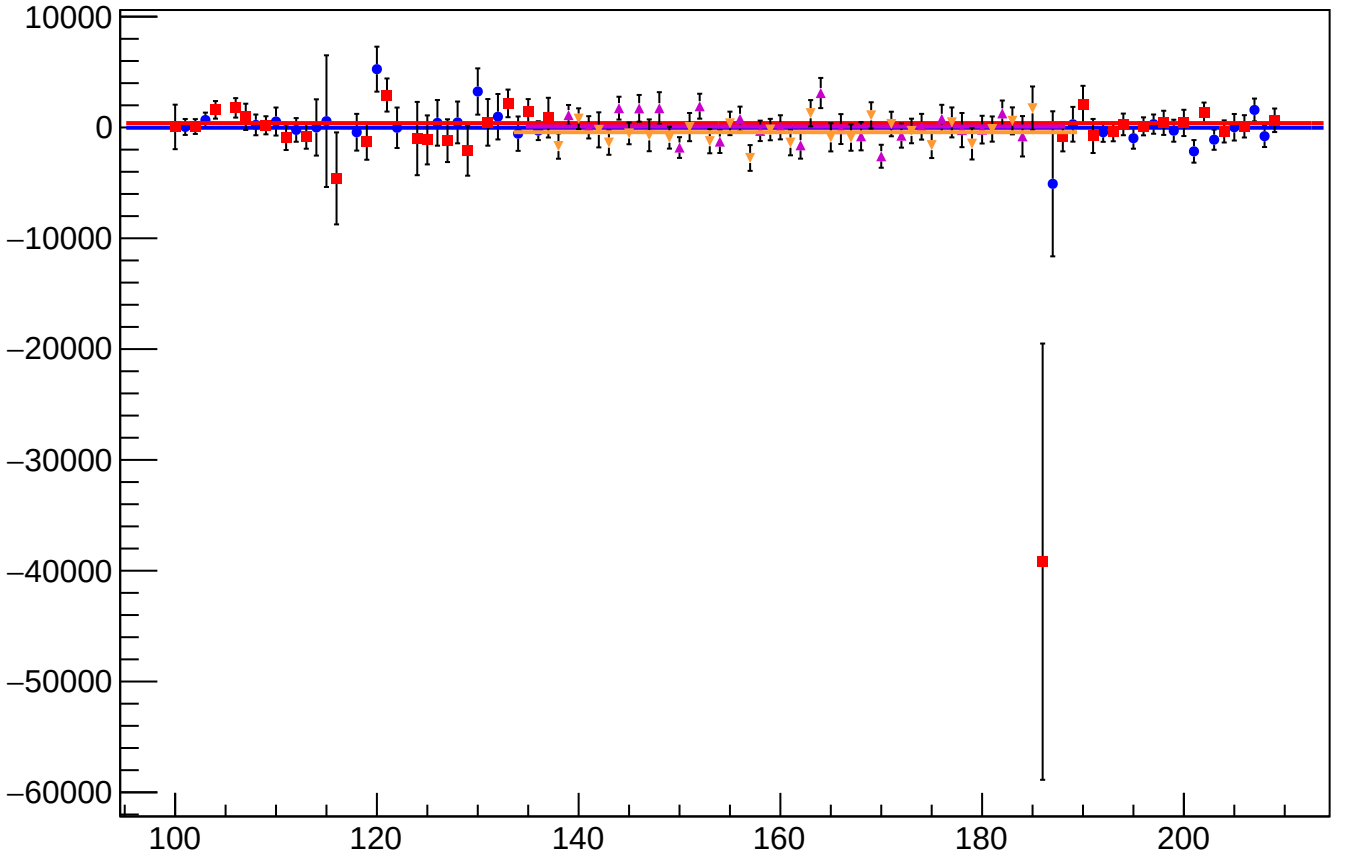
Left: 169.976+/-0.020 χ^2/NDF: 1454622.7/47

Right: 127.161+/-0.016 χ^2/NDF: 4494922.5/58

In: 146.322+/-0.018 χ^2/NDF:3578846.5/49

Out: 142.636+/-0.017 χ^2/NDF:5145472.7/56

All: 144.387+/-0.013 χ^2/NDF: 8745811.0/106



Right In: -24.918+/-219.276 χ^2/NDF: 22.2/26

Left Out: -425.819+/-232.561 χ^2/NDF:18.4/24

Right Out: 396.176+/-205.480 χ^2/NDF: 27.8/31

Left In: 86.486+/-238.155 χ^2/NDF:32.4/22

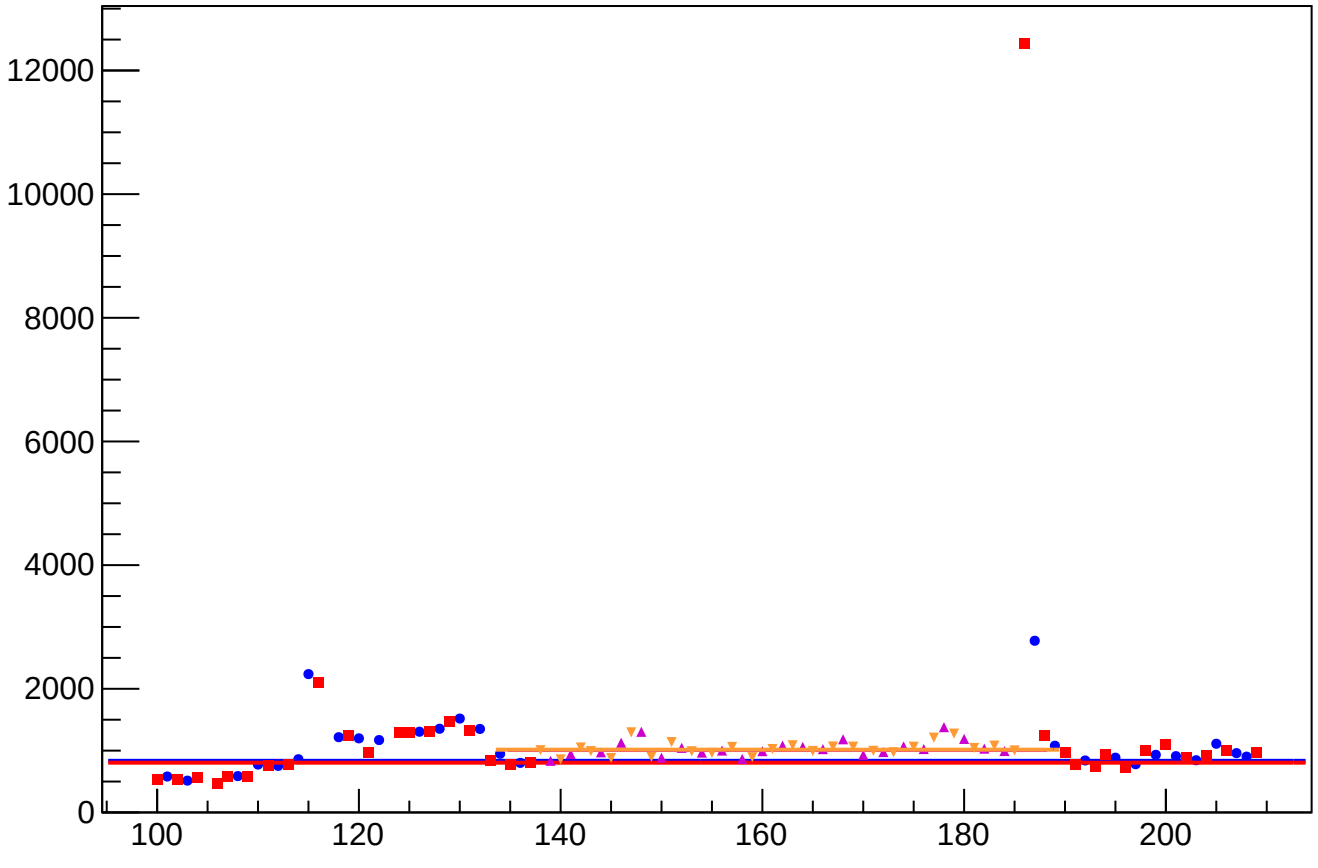
Left: -175.754+/-166.388 χ^2/NDF: 53.2/47

Right: 199.291+/-149.936 χ^2/NDF: 51.9/58

In: 26.194+/-161.313 χ^2/NDF:54.7/49

Out: 35.802+/-153.985 χ^2/NDF:53.2/56

All: 31.221+/-111.384 χ^2/NDF: 107.9/106



Right In: 834.896+/-0.155 χ^2/NDF: 2245861.4/26

Left Out: 1015.046+/-0.164 χ^2/NDF:397966.2/24

Right Out: 804.945+/-0.145 χ^2/NDF: 3345915.9/31

Left In: 1009.672+/-0.168 χ^2/NDF:498783.5/22

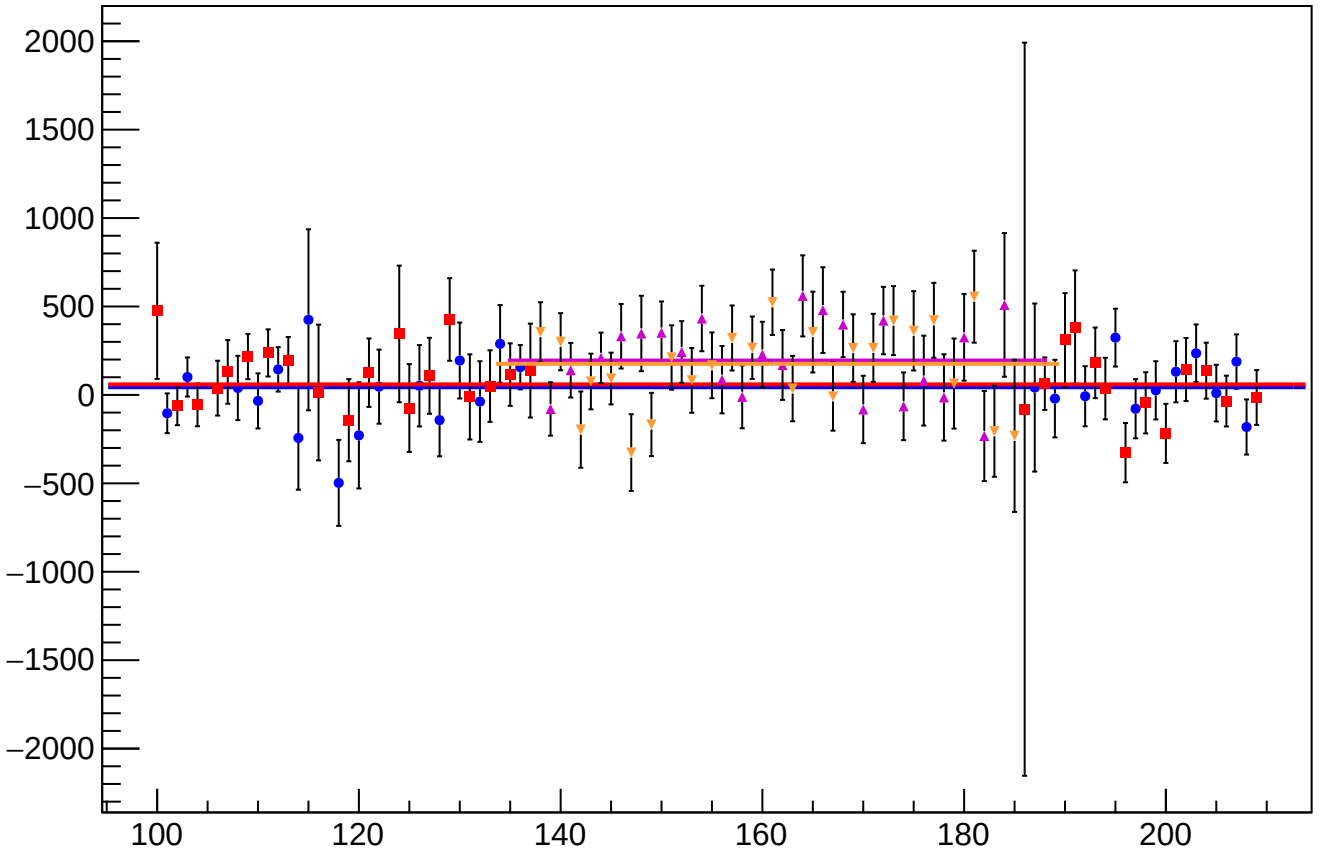
Left: 1012.423+/-0.118 χ^2/NDF: 897271.1/47

Right: 818.949+/-0.106 χ^2/NDF: 5611644.3/58

In: 915.083+/-0.114 χ^2/NDF:3327598.6/49

Out: 897.056+/-0.109 χ^2/NDF:4660586.6/56

All: 905.651+/-0.079 χ^2/NDF: 8001253.3/106



Right In: 43.454+/-33.457 χ^2/NDF: 22.0/26

Left Out: 176.011+/-38.838 χ^2/NDF:30.8/24

Right Out: 59.521+/-31.584 χ^2/NDF: 24.2/31

Left In: 194.324+/-40.384 χ^2/NDF:23.8/22

Left: 184.810+/-27.993 χ^2/NDF: 54.7/47

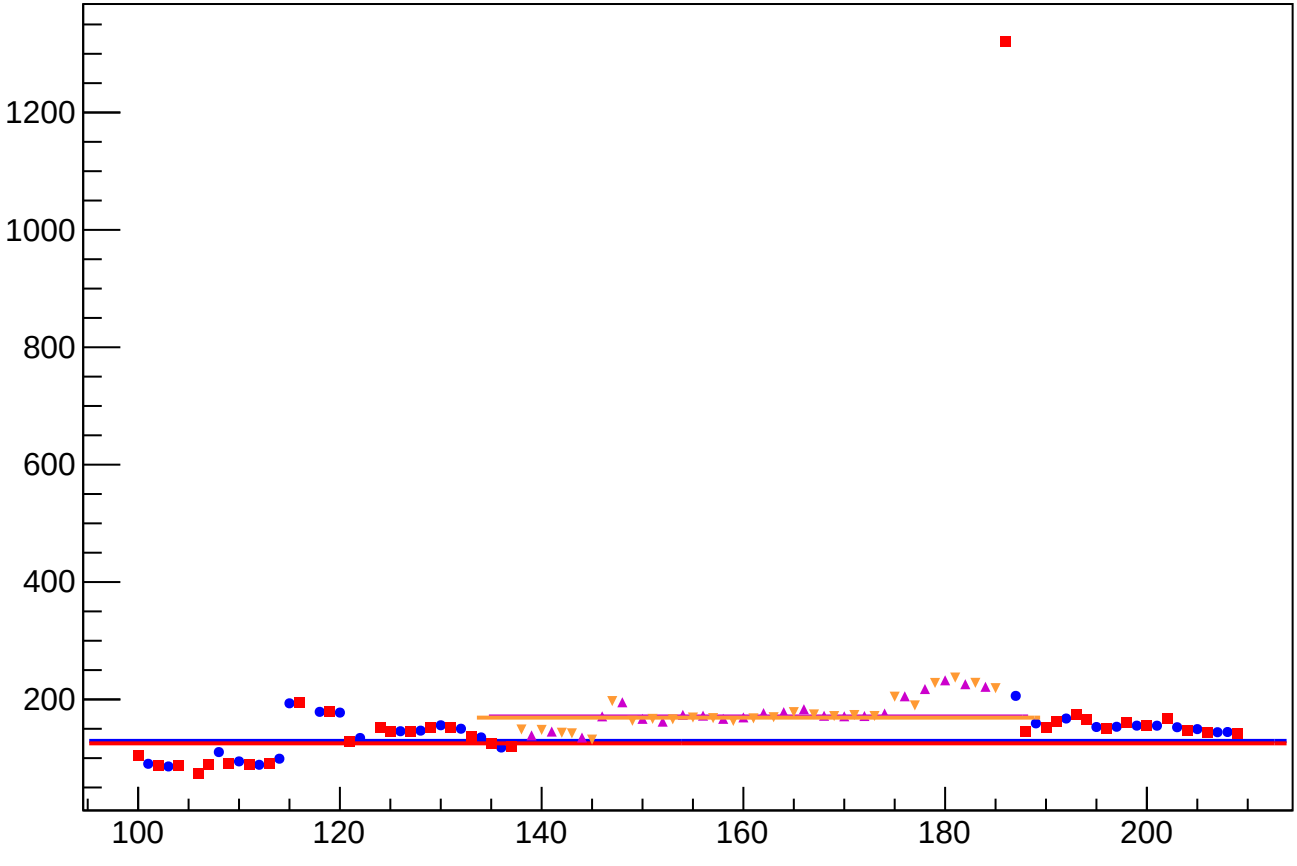
Right: 51.950+/-22.967 χ^2/NDF: 46.3/58

In: 104.861+/-25.764 χ^2/NDF:54.1/49

Out: 105.893+/-24.504 χ^2/NDF:60.4/56

All: 105.403+/-17.756 χ^2/NDF: 114.5/106

eigen_dit_asym_sam5_rms vs Slug, Sign Corrected



Right In: 129.368+/-0.024 χ^2/NDF: 1639097.9/26

Left Out: 169.009+/-0.027 χ^2/NDF:773925.9/24

Right Out: 125.194+/-0.022 χ^2/NDF: 2839371.3/31

Left In: 171.021+/-0.029 χ^2/NDF:678096.1/22

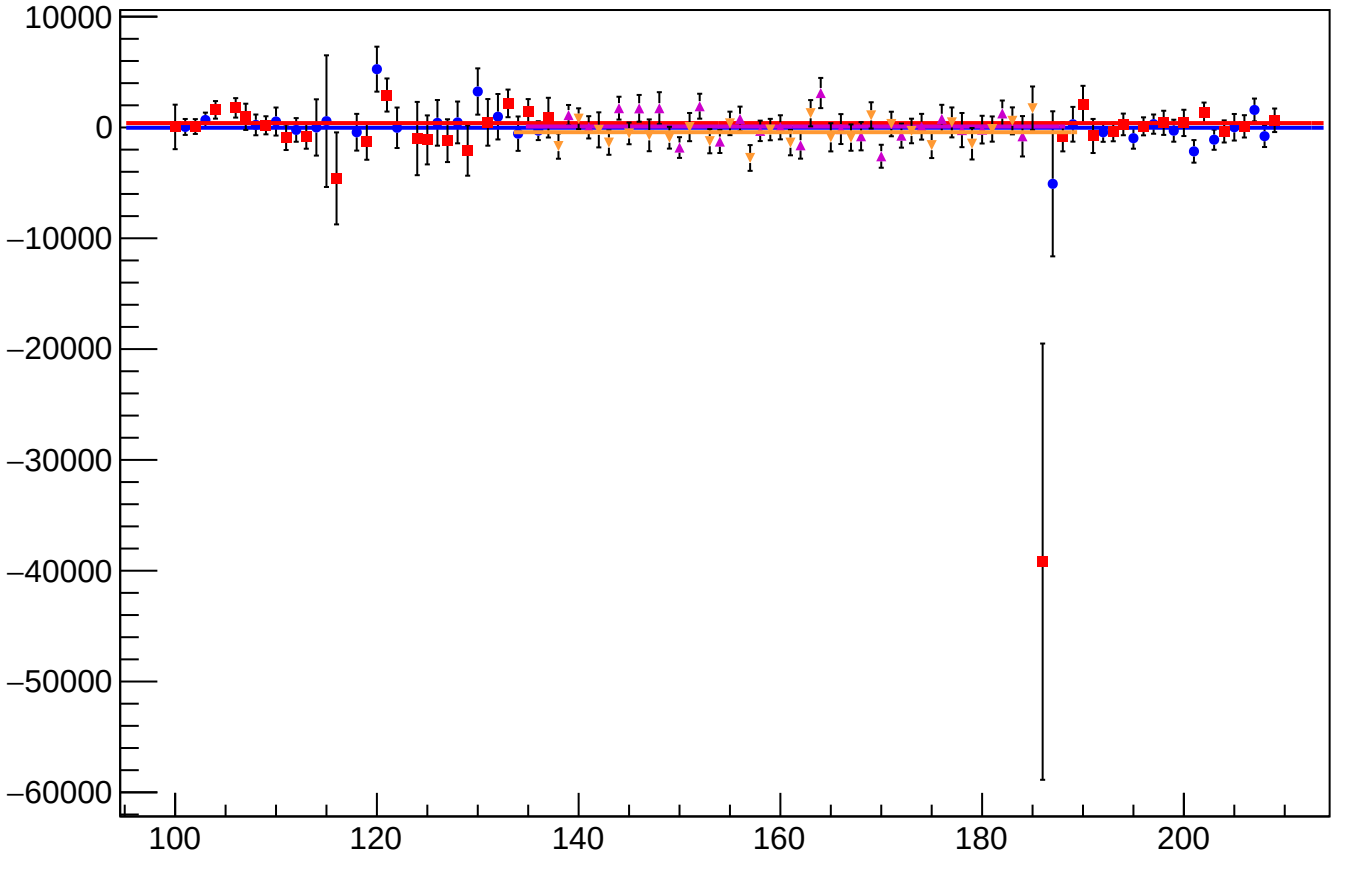
Left: 169.976+/-0.020 χ^2/NDF: 1454601.1/47

Right: 127.161+/-0.016 χ^2/NDF: 4494929.8/58

In: 146.322+/-0.018 χ^2/NDF:3578875.7/49

Out: 142.636+/-0.017 χ^2/NDF:5145485.4/56

All: 144.387+/-0.013 χ^2/NDF: 8745852.7/106



Right In: -24.917+/-219.276 χ^2/NDF: 22.2/26

Left Out: -425.818+/-232.561 χ^2/NDF:18.4/24

Right Out: 396.176+/-205.480 χ^2/NDF: 27.8/31

Left In: 86.487+/-238.155 χ^2/NDF:32.4/22

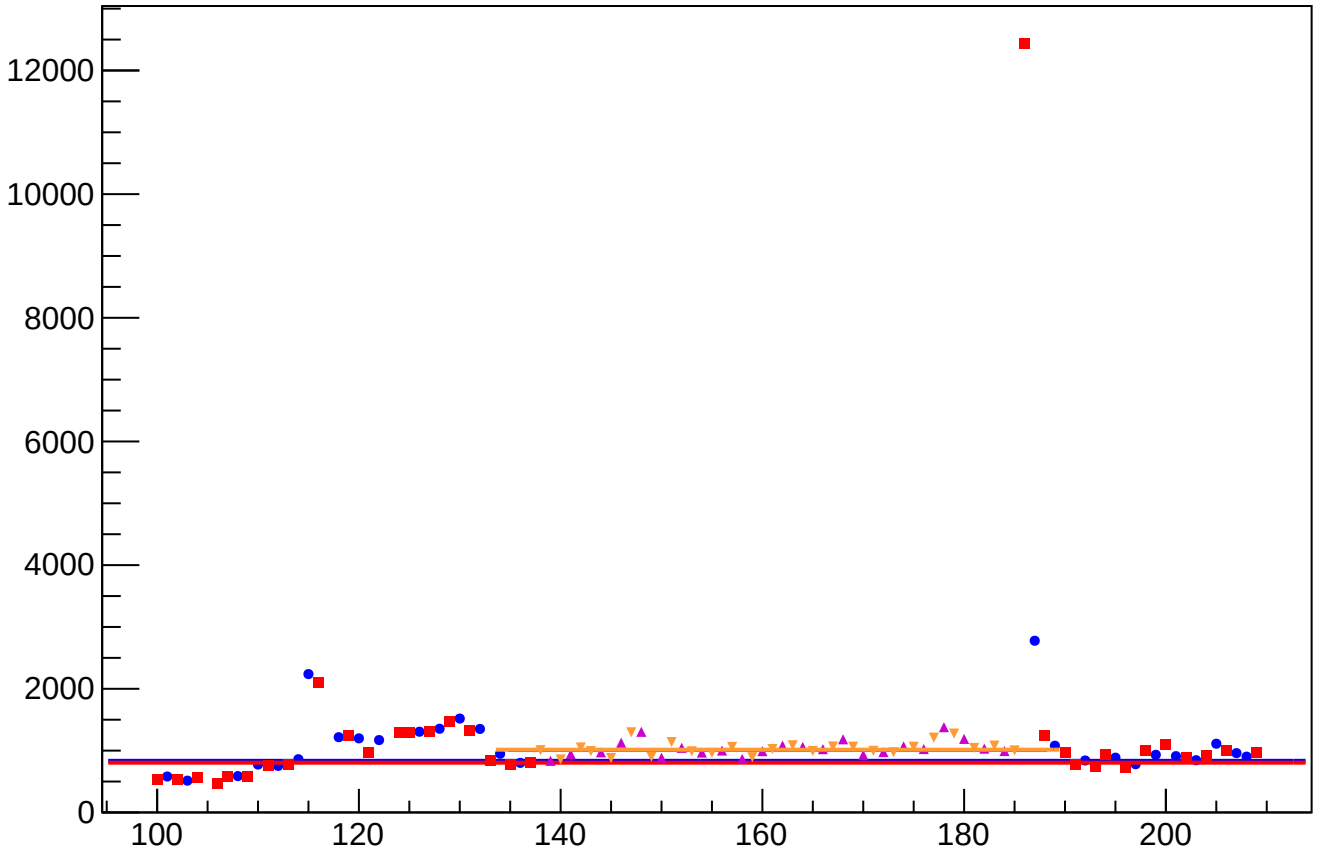
Left: -175.753+/-166.388 χ^2/NDF: 53.2/47

Right: 199.292+/-149.936 χ^2/NDF: 51.9/58

In: 26.195+/-161.313 χ^2/NDF:54.7/49

Out: 35.804+/-153.985 χ^2/NDF:53.2/56

All: 31.222+/-111.384 χ^2/NDF: 107.9/106



Right In: 834.895+/-0.155 χ^2/NDF: 2245860.9/26

Left Out: 1015.047+/-0.164 χ^2/NDF:397964.6/24

Right Out: 804.945+/-0.145 χ^2/NDF: 3345921.9/31

Left In: 1009.673+/-0.168 χ^2/NDF:498783.6/22

Left: 1012.424+/-0.118 χ^2/NDF: 897269.4/47

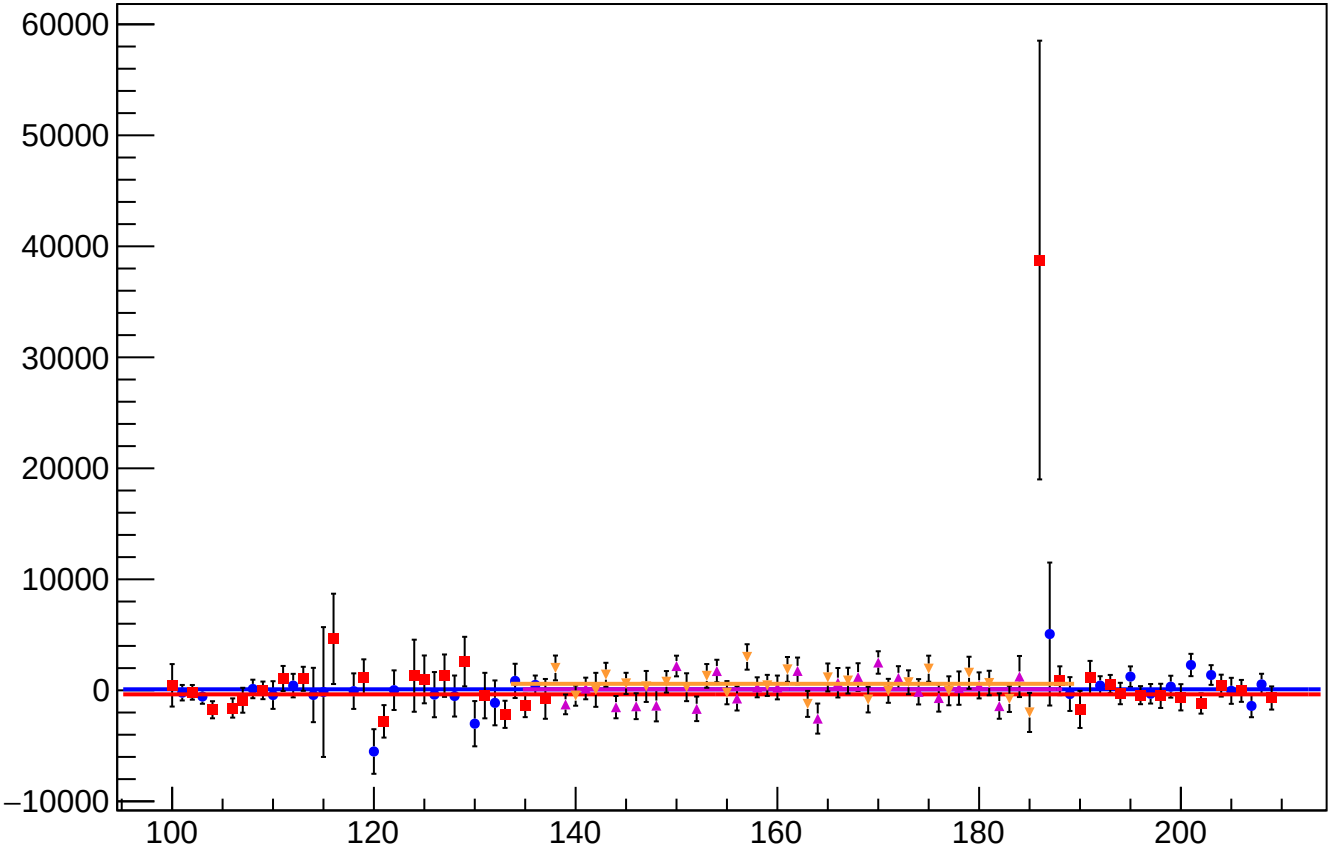
Right: 818.948+/-0.106 χ^2/NDF: 5611649.4/58

In: 915.083+/-0.114 χ^2/NDF:3327611.2/49

Out: 897.056+/-0.109 χ^2/NDF:4660603.8/56

All: 905.651+/-0.079 χ^2/NDF: 8001283.0/106

asym_sam5_mean vs Slug, Sign Corrected



Right In: 92.796+/-214.374 χ^2/NDF: 24.5/26

Left Out: 586.188+/-227.585 χ^2/NDF:20.8/24

Right Out: -362.539+/-201.535 χ^2/NDF: 30.2/31

Left In: 92.688+/-233.019 χ^2/NDF:34.6/22

Left: 345.259+/-162.814 χ^2/NDF: 57.6/47

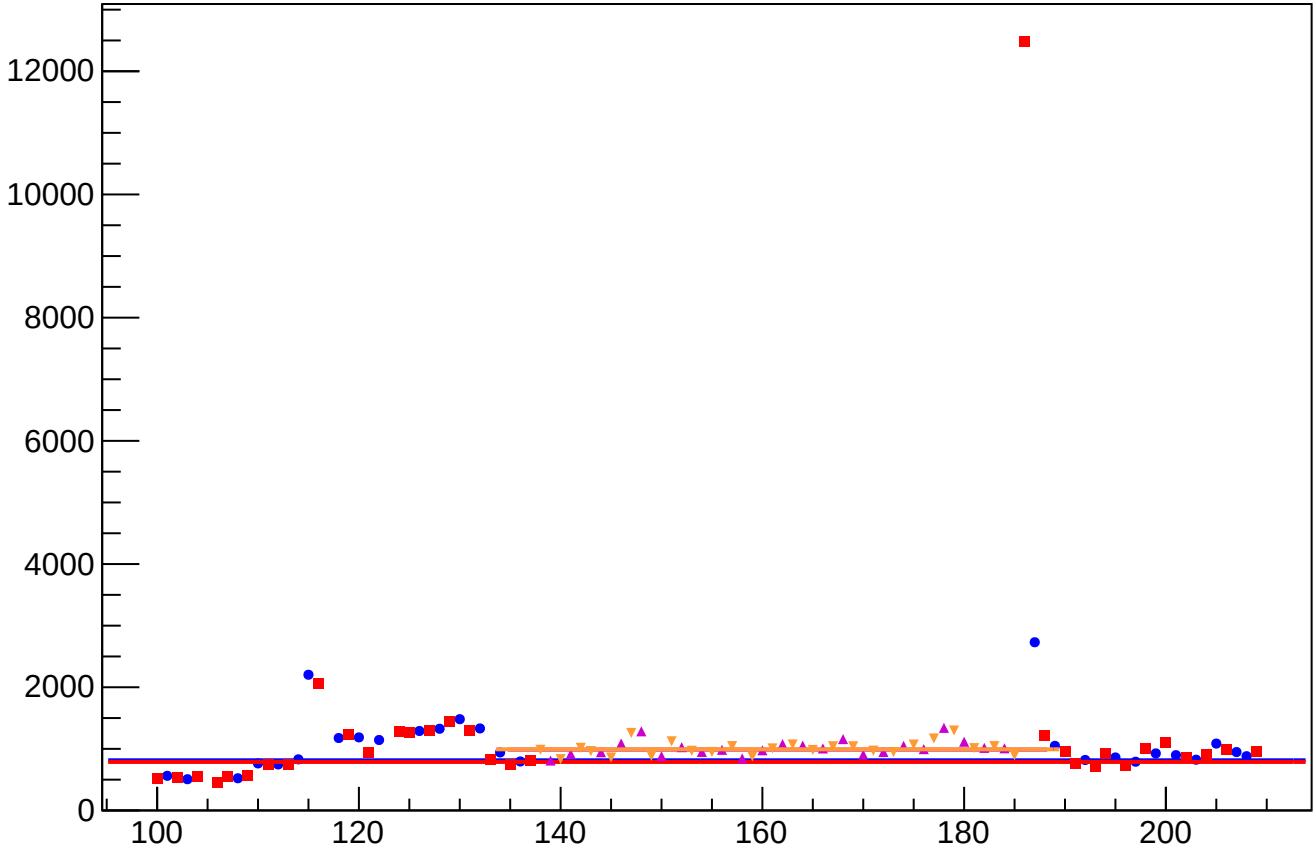
Right: -148.914+/-146.836 χ^2/NDF: 57.1/58

In: 92.746+/-157.766 χ^2/NDF:59.1/49

Out: 54.444+/-150.880 χ^2/NDF:60.7/56

All: 72.741+/-109.041 χ^2/NDF: 119.8/106

asym_sam5_rms vs Slug, Sign Corrected



Right In: 814.217+/-0.152 χ^2/NDF: 2354498.0/26

Left Out: 992.549+/-0.161 χ^2/NDF:424899.6/24

Right Out: 787.582+/-0.143 χ^2/NDF: 3436504.3/31

Left In: 987.784+/-0.165 χ^2/NDF:487733.2/22

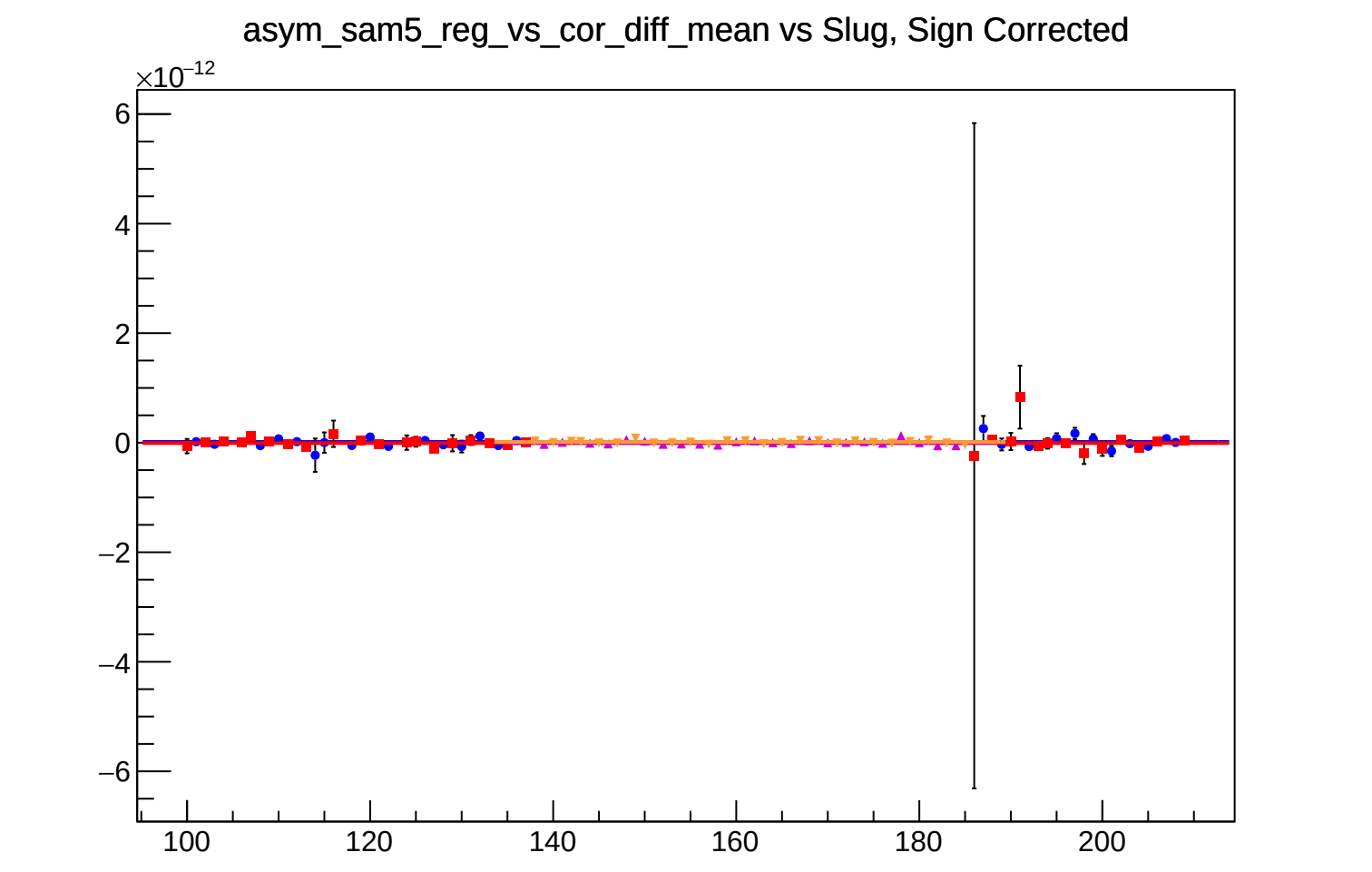
Left: 990.223+/-0.115 χ^2/NDF: 913060.8/47

Right: 800.078+/-0.104 χ^2/NDF: 5807391.0/58

In: 893.779+/-0.112 χ^2/NDF:3443216.9/49

Out: 877.669+/-0.107 χ^2/NDF:4770630.4/56

All: 885.365+/-0.077 χ^2/NDF: 8224740.3/106



Right In: 0.000+/-0.000 χ^2/NDF: 29.8/26

Left Out: 0.000+/-0.000 χ^2/NDF:23.1/24

Right Out: -0.000+/-0.000 χ^2/NDF: 23.6/31

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

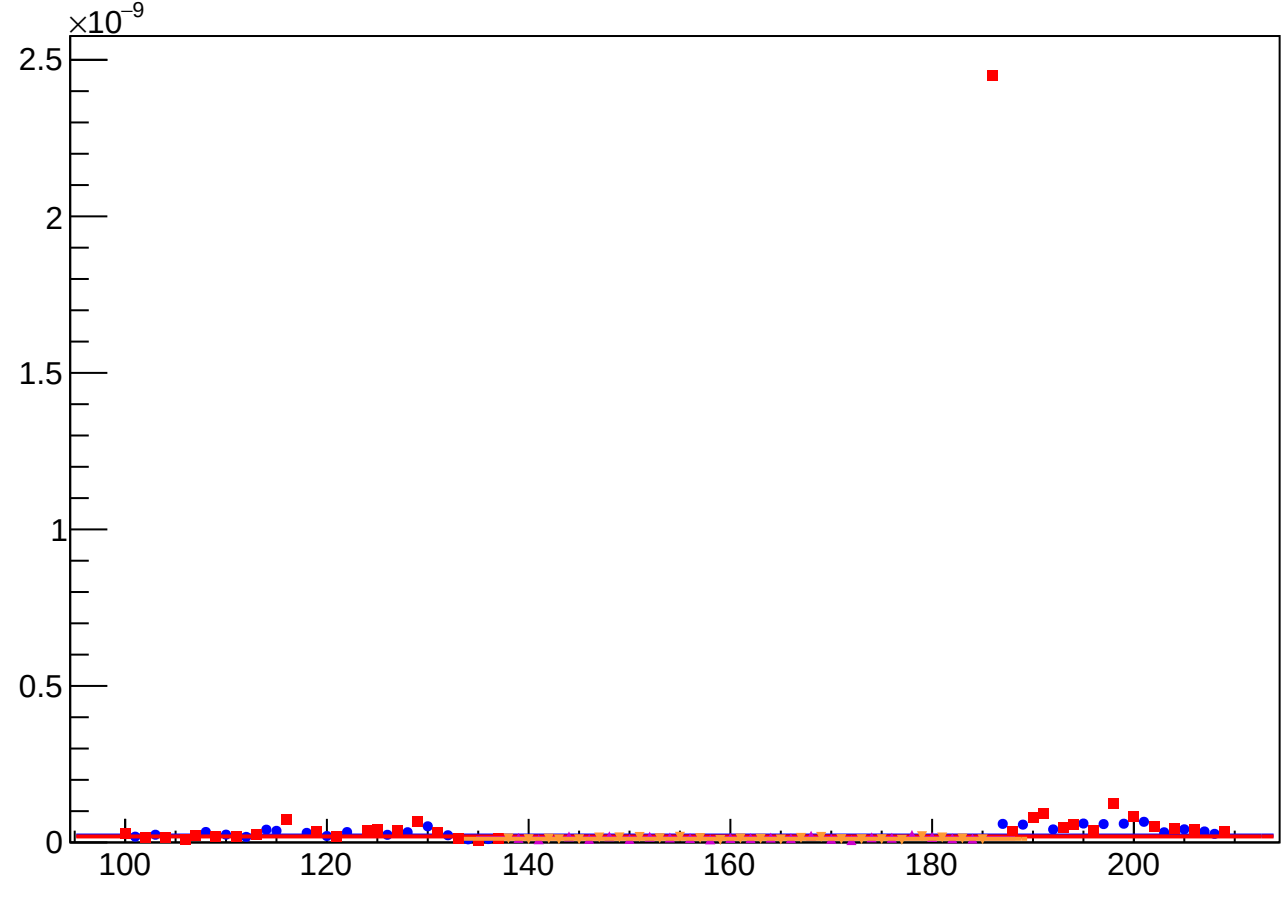
Left: 0.000+/-0.000 χ^2/NDF: 56.5/47

Right: 0.000+/-0.000 χ^2/NDF: 56.2/58

In: 0.000+/-0.000 χ^2/NDF:60.4/49

Out: 0.000+/-0.000 χ^2/NDF:51.3/56

All: 0.000+/-0.000 χ^2/NDF: 113.1/106



Right In: 0.000+/-0.000 χ^2/NDF: 3697386.1/26

Left Out: 0.000+/-0.000 χ^2/NDF:762184.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 5951755.8/31

Left In: 0.000+/-0.000 χ^2/NDF:853838.4/22

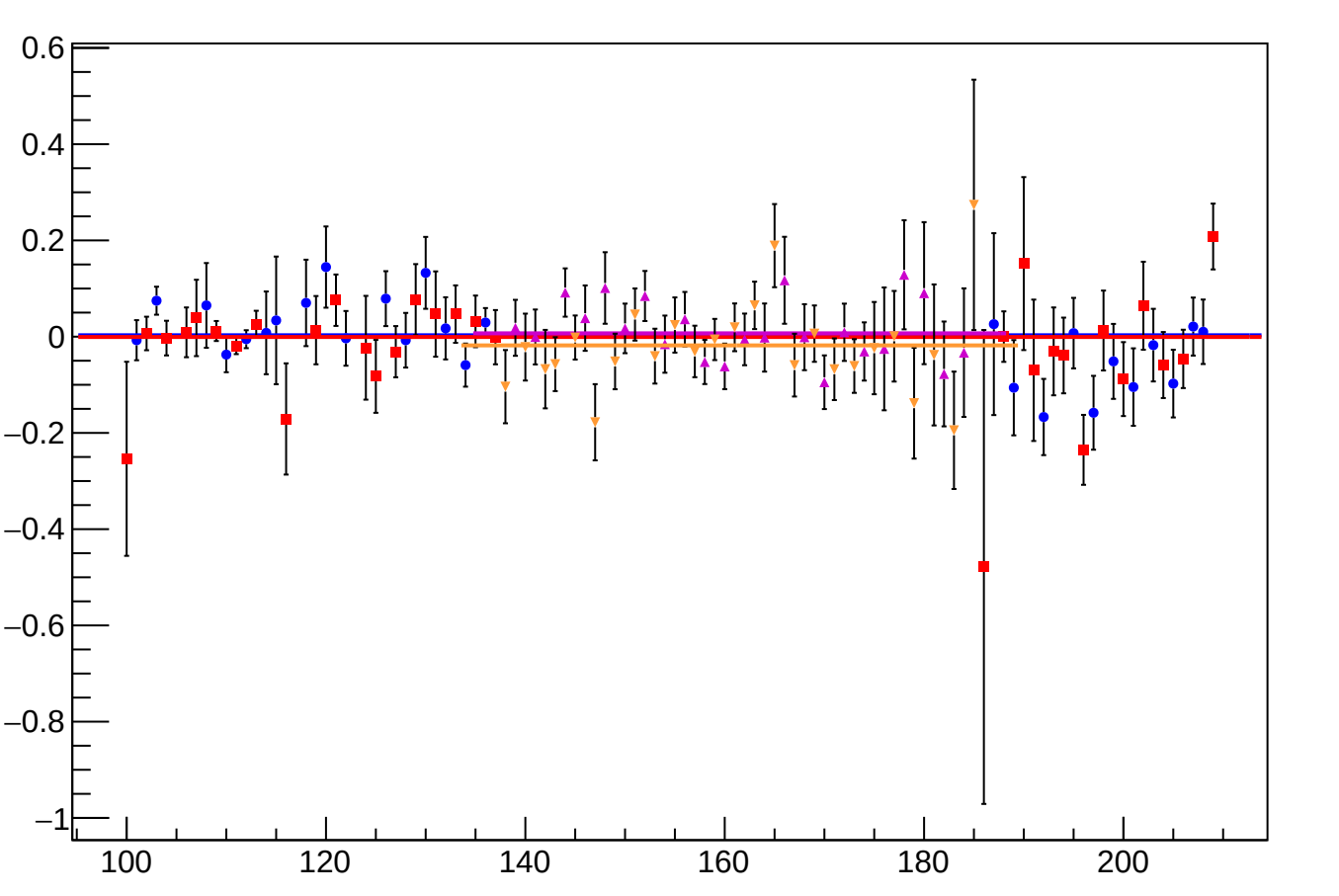
Left: 0.000+/-0.000 χ^2/NDF: 1727958.5/47

Right: 0.000+/-0.000 χ^2/NDF: 9756019.2/58

In: 0.000+/-0.000 χ^2/NDF:5825390.0/49

Out: 0.000+/-0.000 χ^2/NDF:7882048.1/56

All: 0.000+/-0.000 χ^2/NDF: 13945120.3/106



Right In: 0.003+/-0.010 χ^2/NDF: 33.8/26

Left Out: -0.018+/-0.013 χ^2/NDF:24.3/24

Right Out: -0.001+/-0.009 χ^2/NDF: 37.7/31

Left In: 0.007+/-0.013 χ^2/NDF:18.7/22

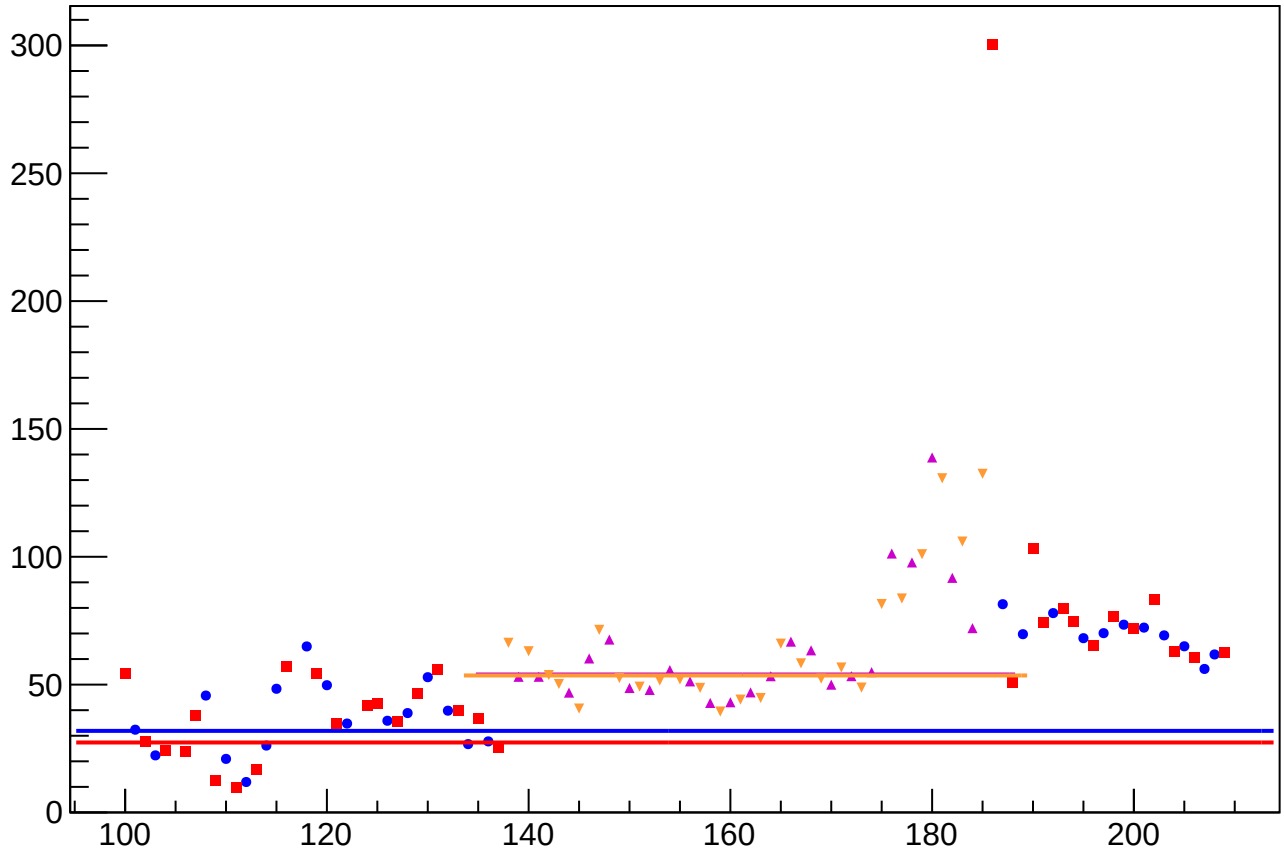
Left: -0.006+/-0.009 χ^2/NDF: 44.9/47

Right: 0.001+/-0.006 χ^2/NDF: 71.5/58

In: 0.004+/-0.008 χ^2/NDF:52.6/49

Out: -0.006+/-0.007 χ^2/NDF:63.3/56

All: -0.001+/-0.005 χ^2/NDF: 116.8/106



Right In: 31.909+/-0.007 χ^2/NDF: 8265352.9/26

Left Out: 53.582+/-0.009 χ^2/NDF:2642509.0/24

Right Out: 27.366+/-0.006 χ^2/NDF: 11996349.8/31

Left In: 53.961+/-0.009 χ^2/NDF:2039530.1/22

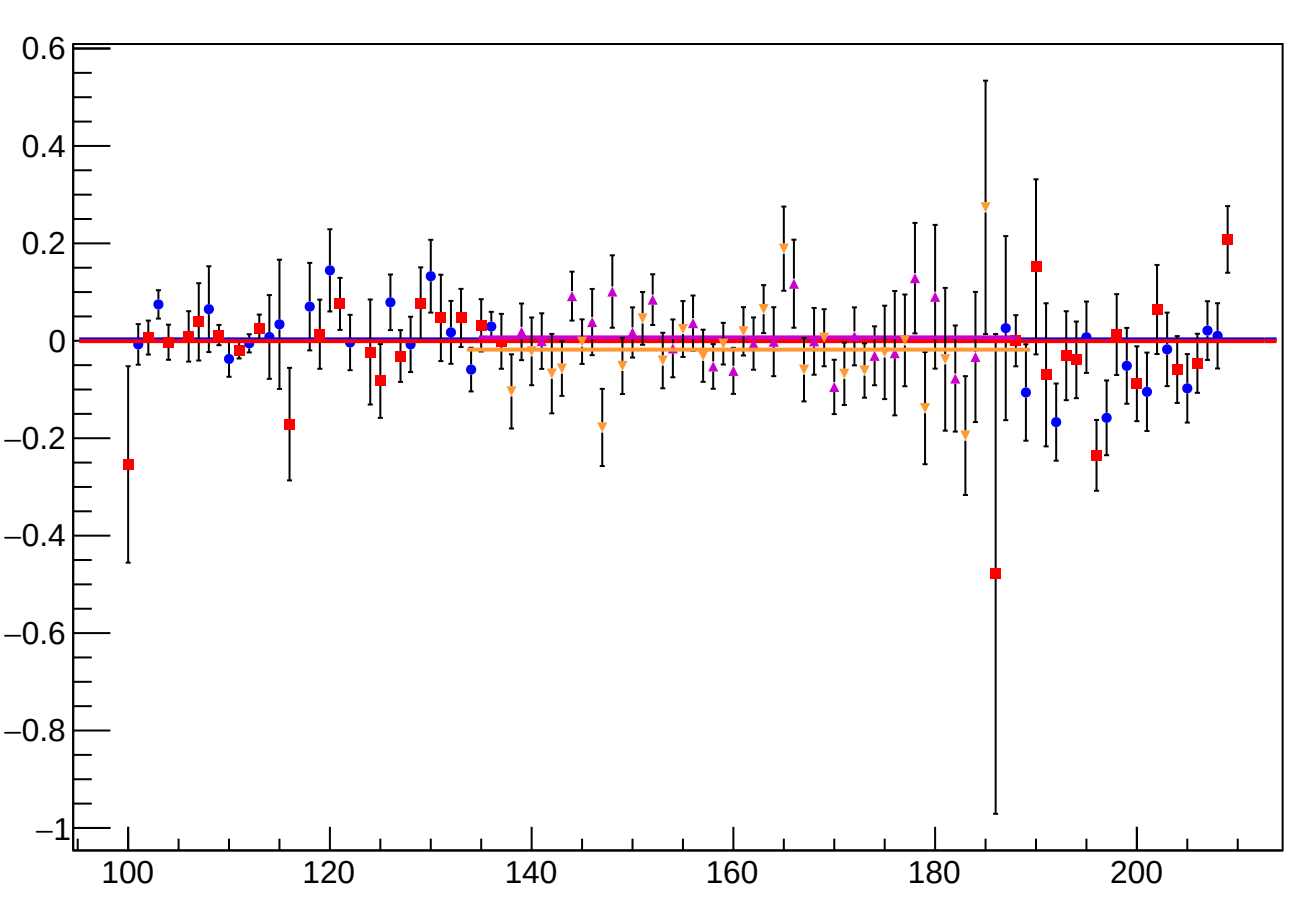
Left: 53.766+/-0.006 χ^2/NDF: 4682889.4/47

Right: 29.357+/-0.005 χ^2/NDF: 20511213.2/58

In: 39.584+/-0.006 χ^2/NDF:13947997.0/49

Out: 35.406+/-0.005 χ^2/NDF:20454734.0/56

All: 37.300+/-0.004 χ^2/NDF: 34717621.4/106



Right In: 0.003+/-0.010 χ^2/NDF: 33.8/26

Left Out: -0.018+/-0.013 χ^2/NDF:24.3/24

Right Out: -0.001+/-0.009 χ^2/NDF: 37.7/31

Left In: 0.007+/-0.013 χ^2/NDF:18.7/22

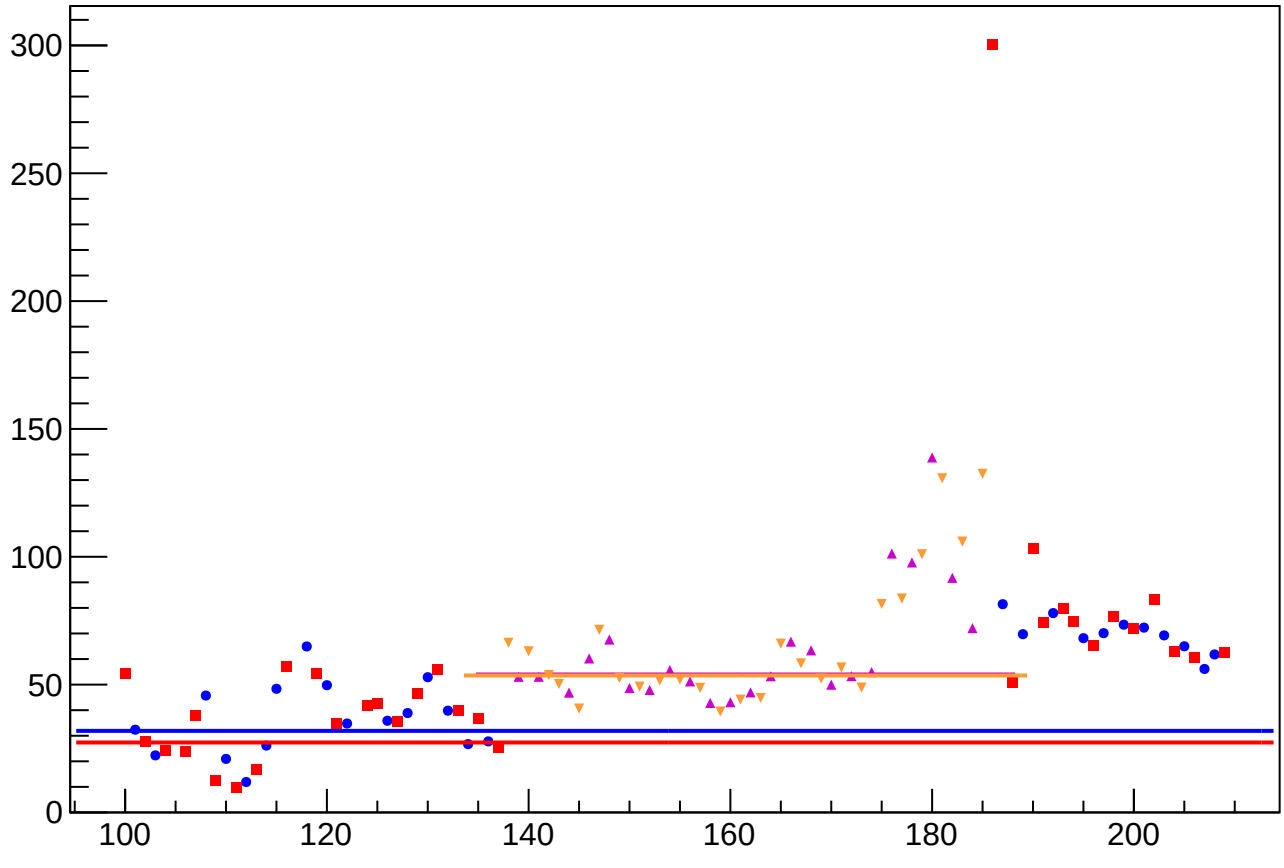
Left: -0.006+/-0.009 χ^2/NDF: 44.9/47

Right: 0.001+/-0.006 χ^2/NDF: 71.5/58

In: 0.004+/-0.008 χ^2/NDF:52.6/49

Out: -0.006+/-0.007 χ^2/NDF:63.3/56

All: -0.001+/-0.005 χ^2/NDF: 116.8/106



Right In: 31.909+/-0.007 χ^2/NDF: 8265352.9/26

Left Out: 53.582+/-0.009 χ^2/NDF:2642509.0/24

Right Out: 27.366+/-0.006 χ^2/NDF: 11996349.8/31

Left In: 53.961+/-0.009 χ^2/NDF:2039530.1/22

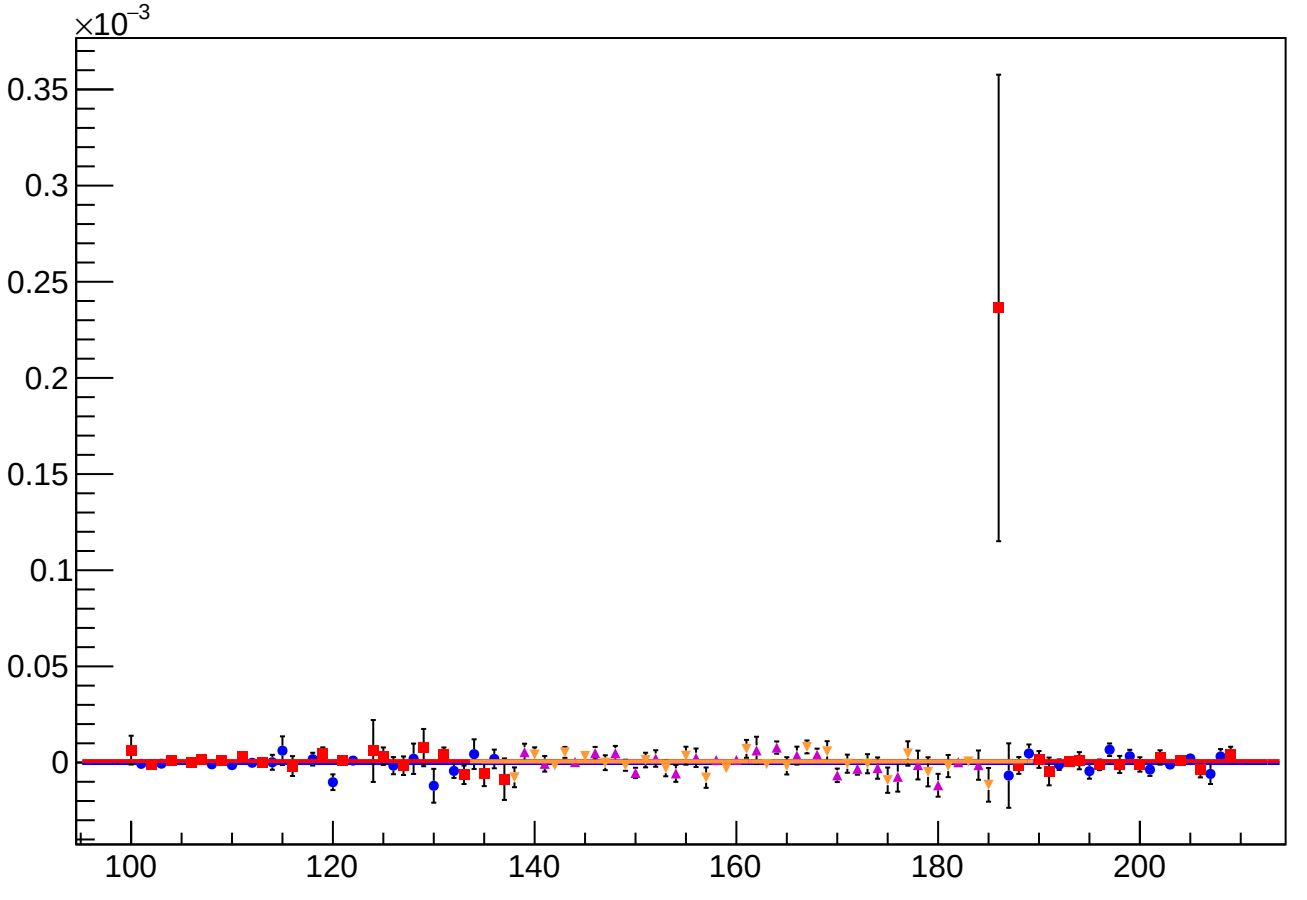
Left: 53.766+/-0.006 χ^2/NDF: 4682889.4/47

Right: 29.357+/-0.005 χ^2/NDF: 20511213.2/58

In: 39.584+/-0.006 χ^2/NDF:13947997.0/49

Out: 35.406+/-0.005 χ^2/NDF:20454734.0/56

All: 37.300+/-0.004 χ^2/NDF: 34717621.4/106



Right In: -0.000+/-0.000 χ^2/NDF: 24.7/26

Left Out: 0.000+/-0.000 χ^2/NDF:31.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 19.6/31

Left In: 0.000+/-0.000 χ^2/NDF:30.9/22

Left: 0.000+/-0.000 χ^2/NDF: 61.9/47

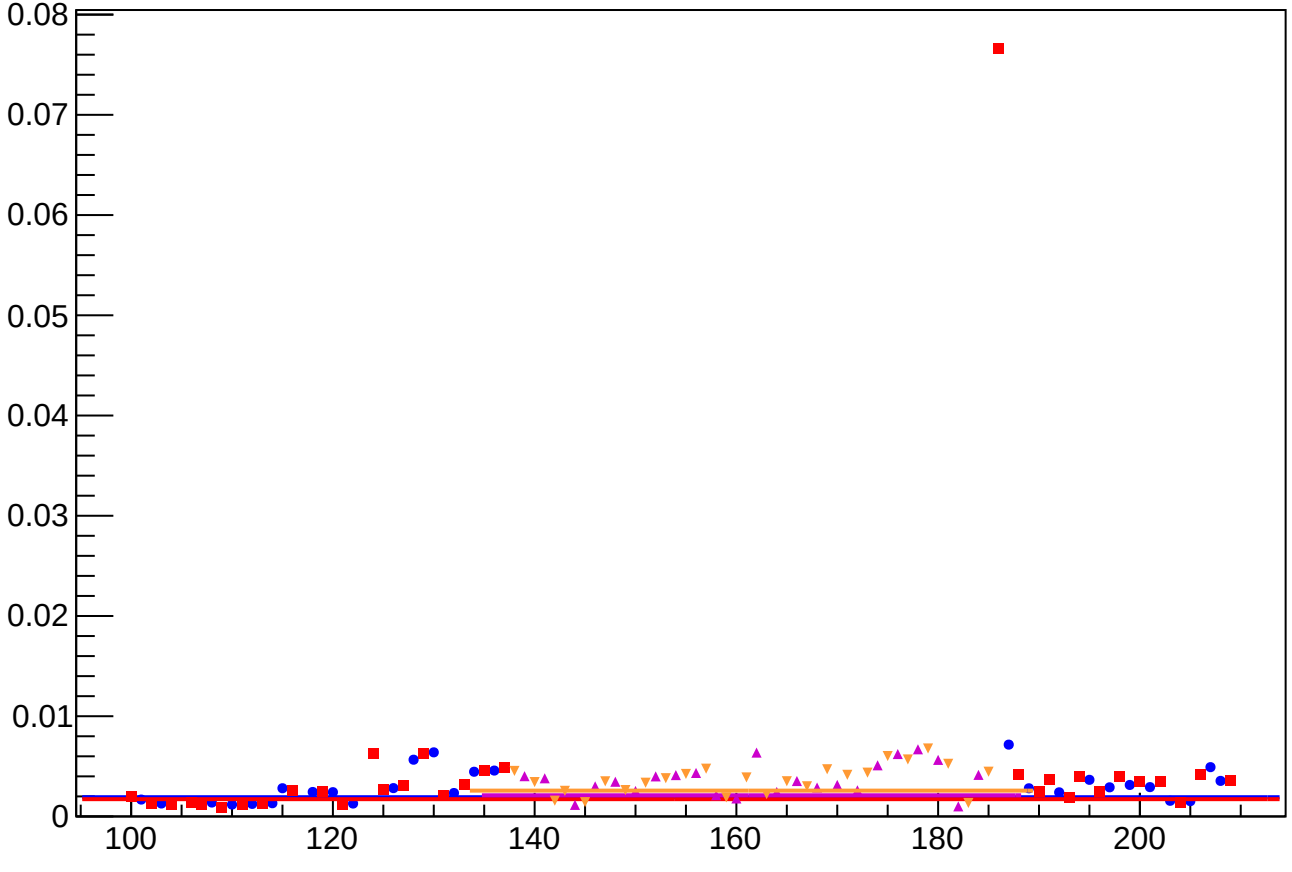
Right: 0.000+/-0.000 χ^2/NDF: 46.2/58

In: 0.000+/-0.000 χ^2/NDF:56.2/49

Out: 0.000+/-0.000 χ^2/NDF:50.6/56

All: 0.000+/-0.000 χ^2/NDF: 108.2/106

asym_sam5_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.002+/-0.000 χ^2/NDF: 5751528.5/26

Left Out: 0.003+/-0.000 χ^2/NDF:7112963.2/24

Right Out: 0.002+/-0.000 χ^2/NDF: 8418804.6/31

Left In: 0.002+/-0.000 χ^2/NDF:9487138.7/22

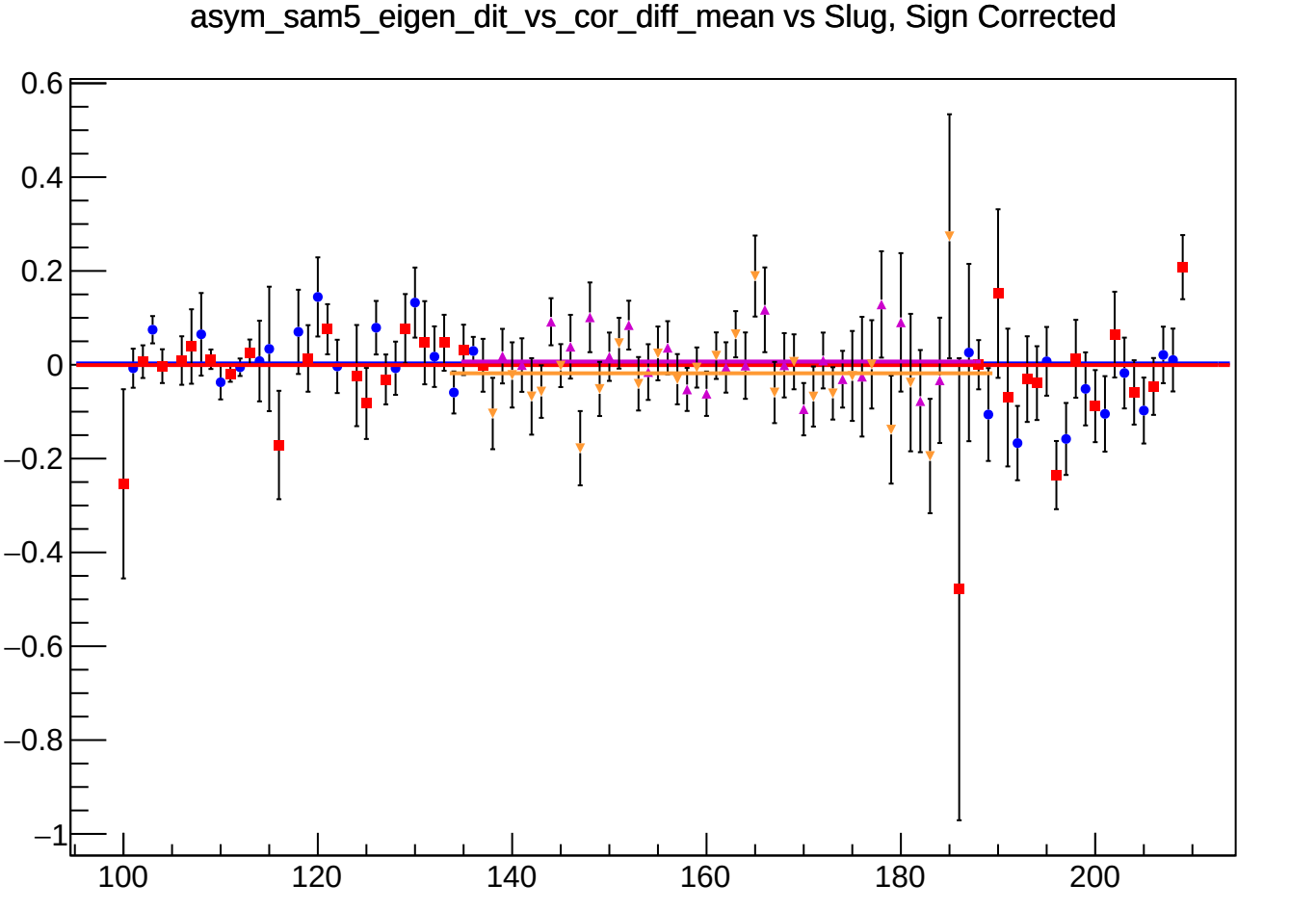
Left: 0.002+/-0.000 χ^2/NDF: 17155413.1/47

Right: 0.002+/-0.000 χ^2/NDF: 14309687.9/58

In: 0.002+/-0.000 χ^2/NDF:15353263.9/49

Out: 0.002+/-0.000 χ^2/NDF:17662482.9/56

All: 0.002+/-0.000 χ^2/NDF: 33017067.8/106



Right In: 0.003+/-0.010 χ^2/NDF: 33.8/26

Left Out: -0.018+/-0.013 χ^2/NDF:24.3/24

Right Out: -0.001+/-0.009 χ^2/NDF: 37.7/31

Left In: 0.007+/-0.013 χ^2/NDF:18.7/22

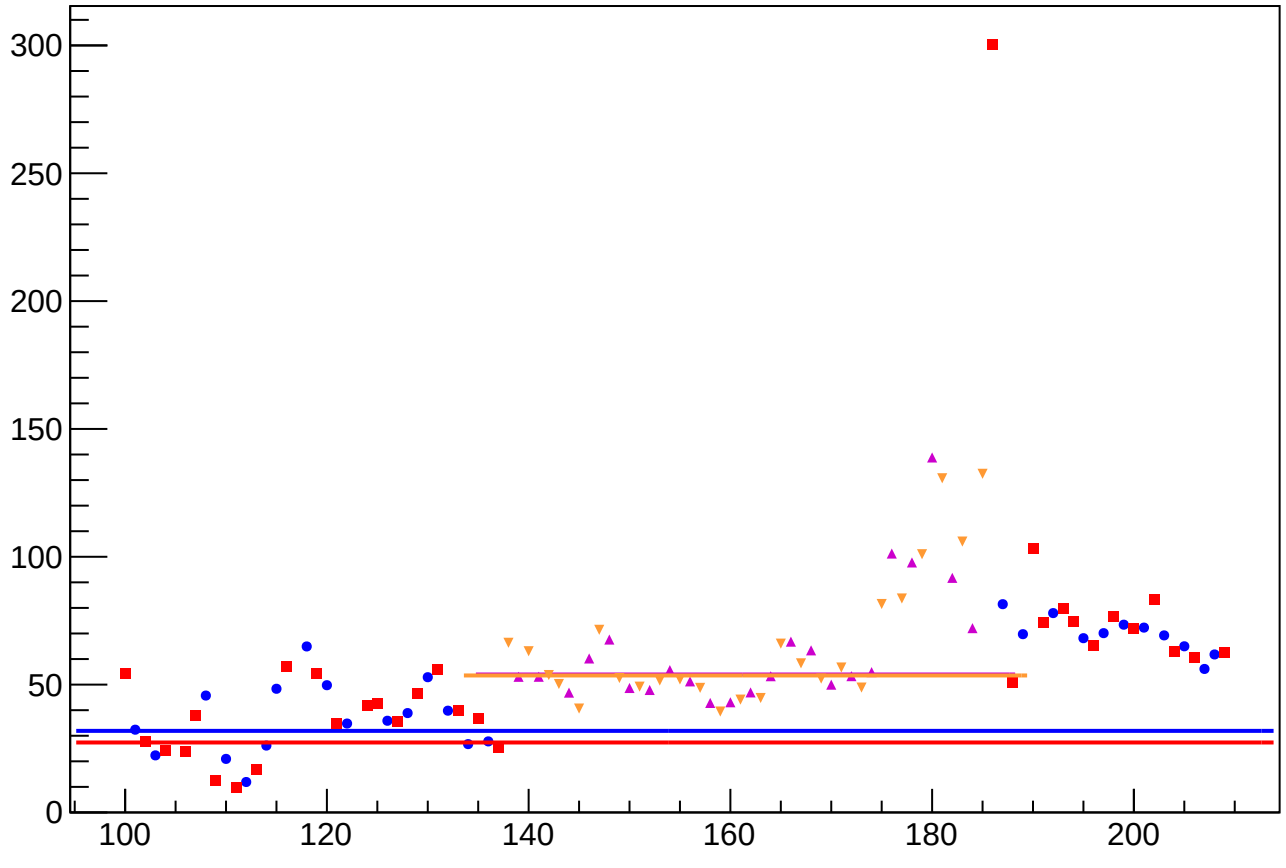
Left: -0.006+/-0.009 χ^2/NDF: 44.9/47

Right: 0.001+/-0.006 χ^2/NDF: 71.5/58

In: 0.004+/-0.008 χ^2/NDF:52.6/49

Out: -0.006+/-0.007 χ^2/NDF:63.3/56

All: -0.001+/-0.005 χ^2/NDF: 116.8/106



Right In: 31.908+/-0.007 χ^2/NDF: 8265423.4/26

Left Out: 53.582+/-0.009 χ^2/NDF:2642554.6/24

Right Out: 27.365+/-0.006 χ^2/NDF: 11996536.4/31

Left In: 53.961+/-0.009 χ^2/NDF:2039571.7/22

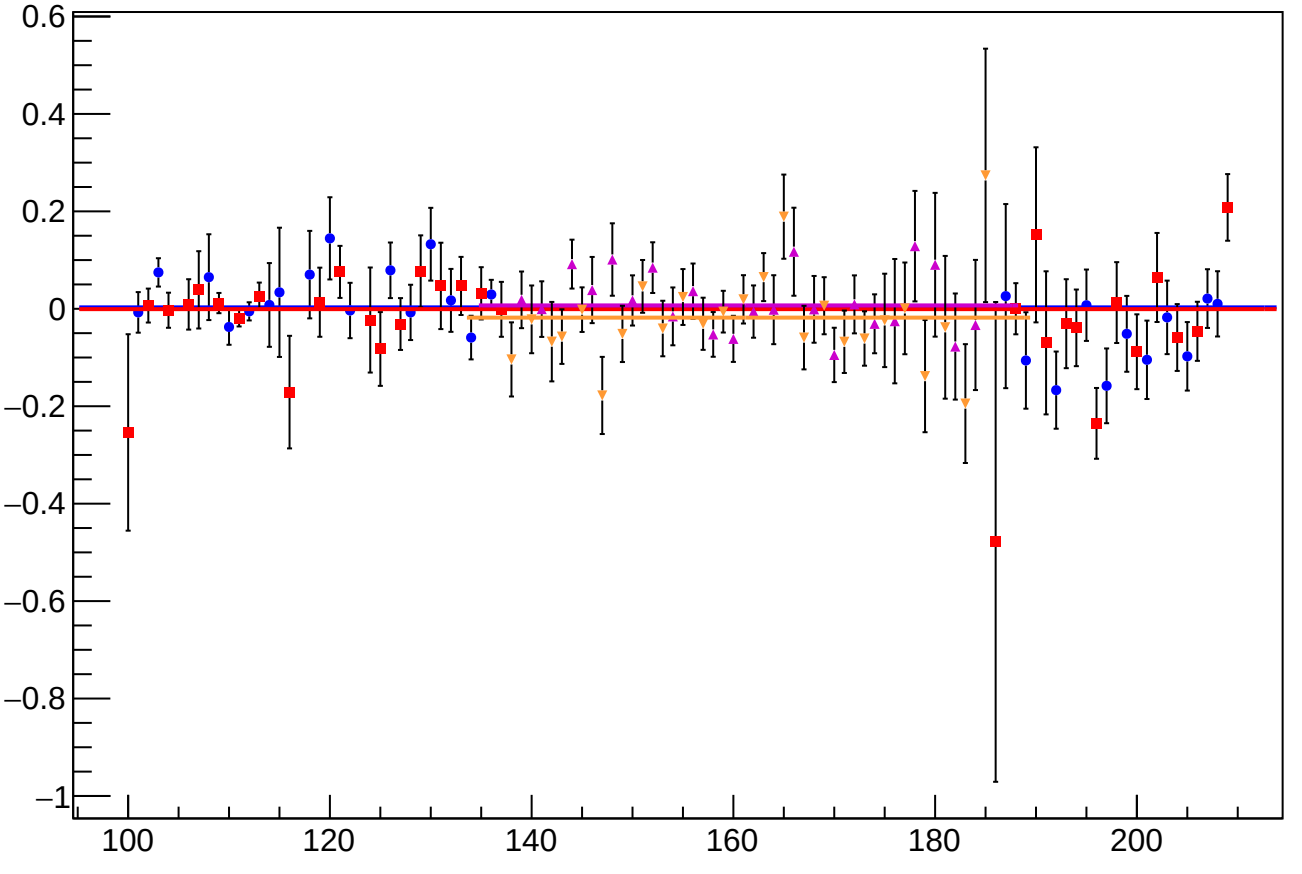
Left: 53.766+/-0.006 χ^2/NDF: 4682976.8/47

Right: 29.356+/-0.005 χ^2/NDF: 20511482.6/58

In: 39.583+/-0.006 χ^2/NDF:13948457.3/49

Out: 35.406+/-0.005 χ^2/NDF:20455430.0/56

All: 37.300+/-0.004 χ^2/NDF: 34718798.0/106



Right In: 0.003+/-0.010 χ^2/NDF: 33.8/26

Left Out: -0.018+/-0.013 χ^2/NDF:24.3/24

Right Out: -0.001+/-0.009 χ^2/NDF: 37.7/31

Left In: 0.007+/-0.013 χ^2/NDF:18.7/22

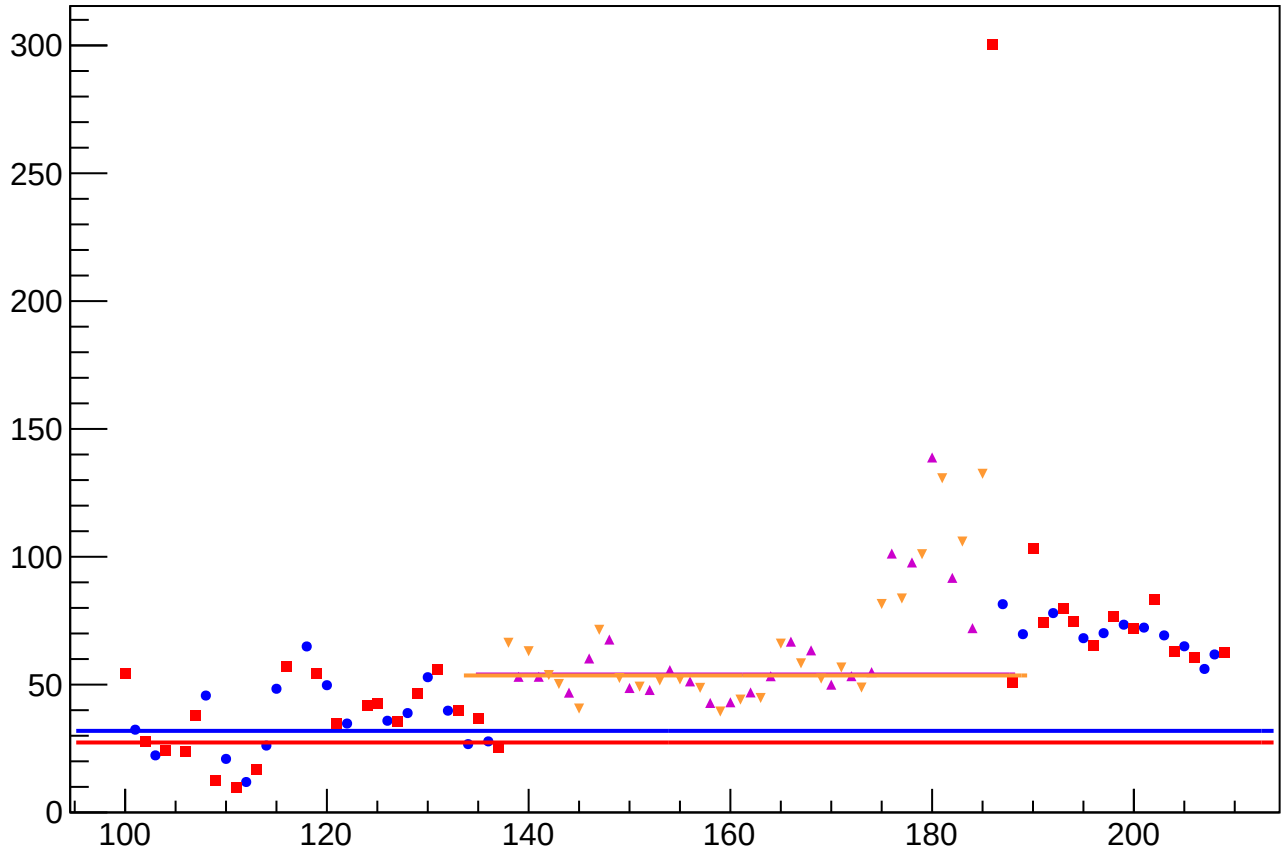
Left: -0.006+/-0.009 χ^2/NDF: 44.9/47

Right: 0.001+/-0.006 χ^2/NDF: 71.5/58

In: 0.004+/-0.008 χ^2/NDF:52.6/49

Out: -0.006+/-0.007 χ^2/NDF:63.3/56

All: -0.001+/-0.005 χ^2/NDF: 116.8/106



Right In: 31.908+/-0.007 χ^2/NDF: 8265423.4/26

Left Out: 53.582+/-0.009 χ^2/NDF:2642554.6/24

Right Out: 27.365+/-0.006 χ^2/NDF: 11996536.4/31

Left In: 53.961+/-0.009 χ^2/NDF:2039571.7/22

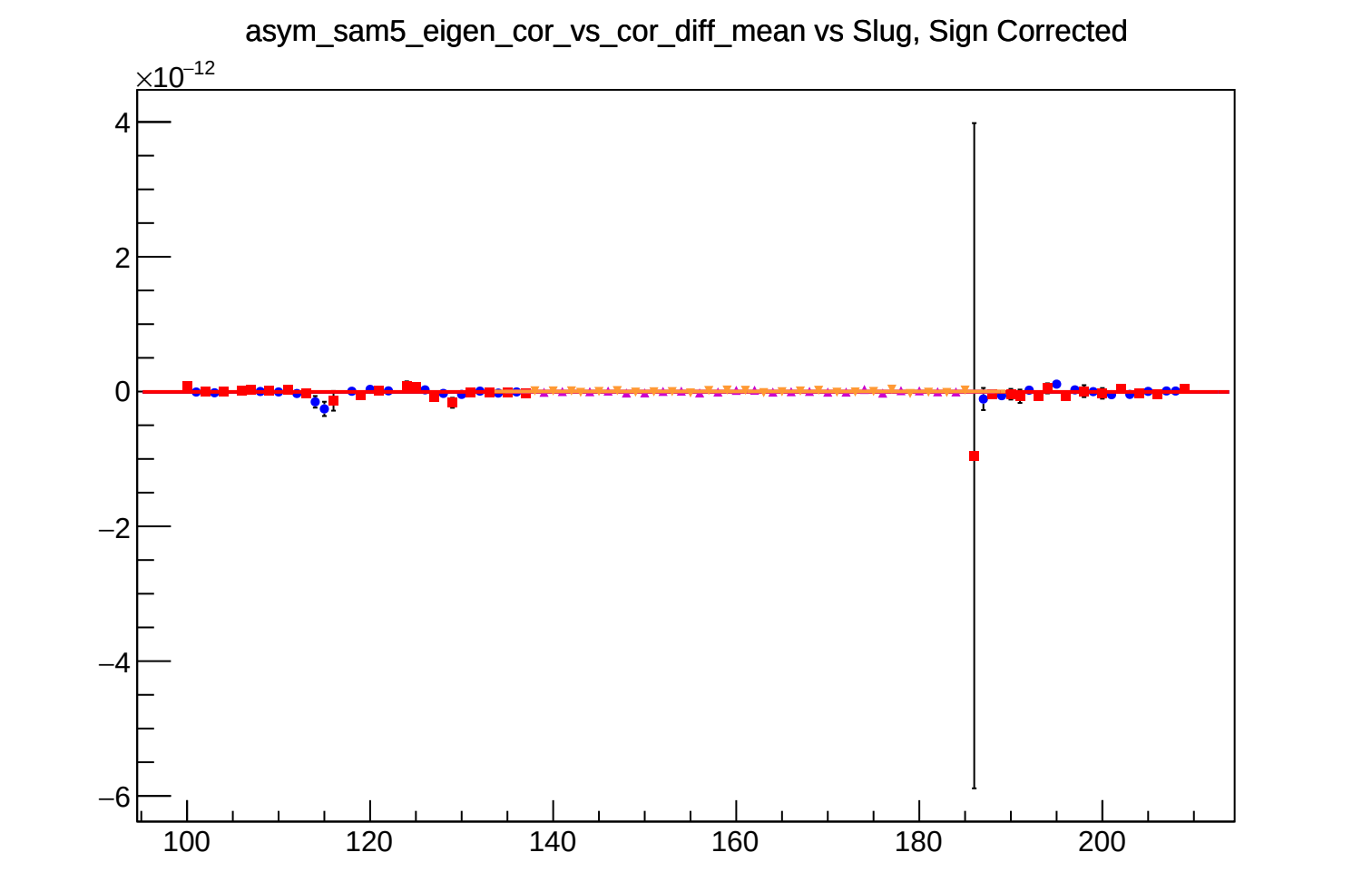
Left: 53.766+/-0.006 χ^2/NDF: 4682976.8/47

Right: 29.356+/-0.005 χ^2/NDF: 20511482.6/58

In: 39.583+/-0.006 χ^2/NDF:13948457.3/49

Out: 35.406+/-0.005 χ^2/NDF:20455430.0/56

All: 37.300+/-0.004 χ^2/NDF: 34718798.0/106



Right In: -0.000+/-0.000 χ^2/NDF: 22.6/26

Left Out: 0.000+/-0.000 χ^2/NDF:27.4/24

Right Out: -0.000+/-0.000 χ^2/NDF: 38.6/31

Left In: -0.000+/-0.000 χ^2/NDF:18.1/22

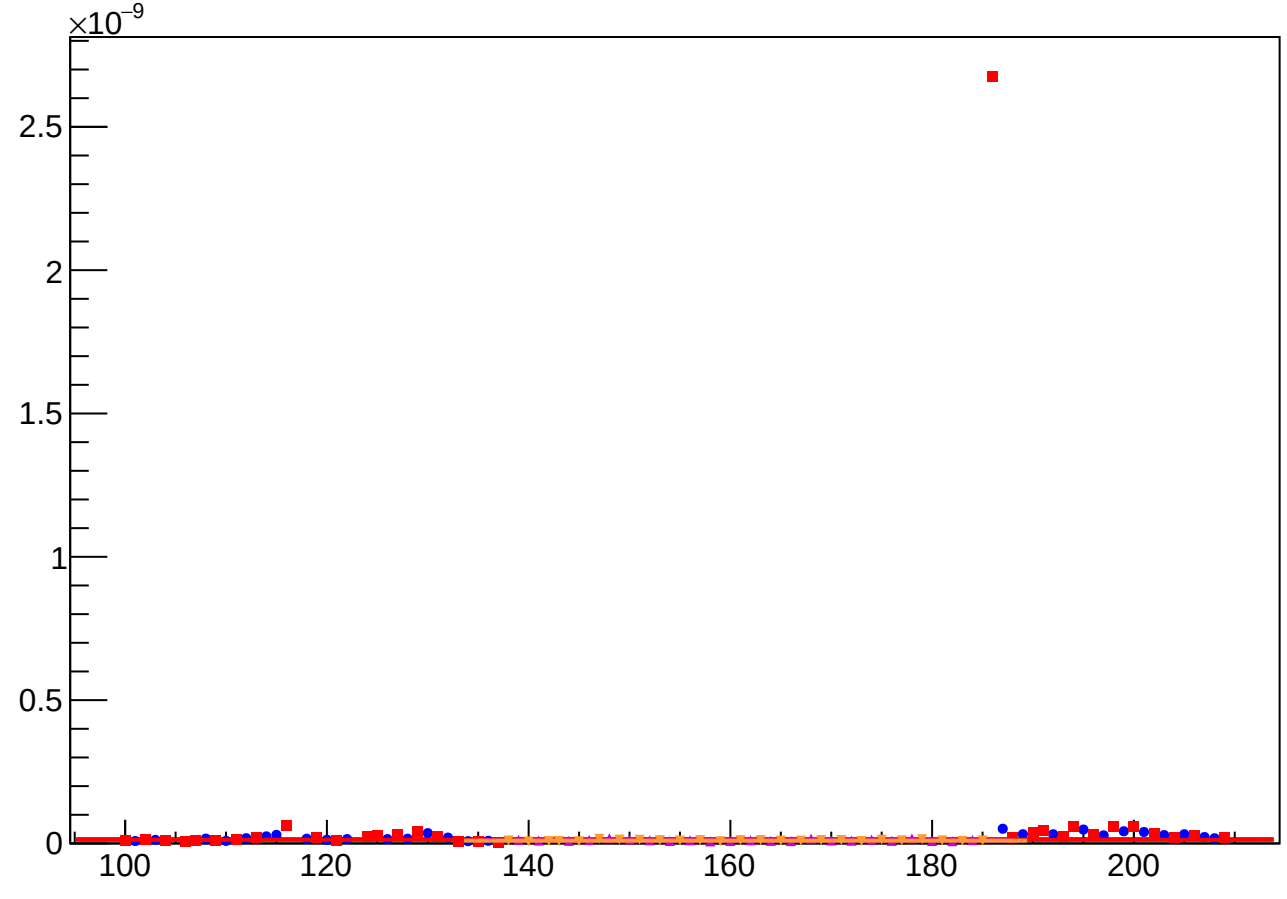
Left: 0.000+/-0.000 χ^2/NDF: 45.7/47

Right: -0.000+/-0.000 χ^2/NDF: 61.2/58

In: -0.000+/-0.000 χ^2/NDF:41.7/49

Out: -0.000+/-0.000 χ^2/NDF:67.4/56

All: -0.000+/-0.000 χ^2/NDF: 109.3/106



Right In: 0.000+/-0.000 χ^2/NDF: 5057756.2/26

Left Out: 0.000+/-0.000 χ^2/NDF:1196110.1/24

Right Out: 0.000+/-0.000 χ^2/NDF: 8152351.8/31

Left In: 0.000+/-0.000 χ^2/NDF:1313644.4/22

Left: 0.000+/-0.000 χ^2/NDF: 2523943.3/47

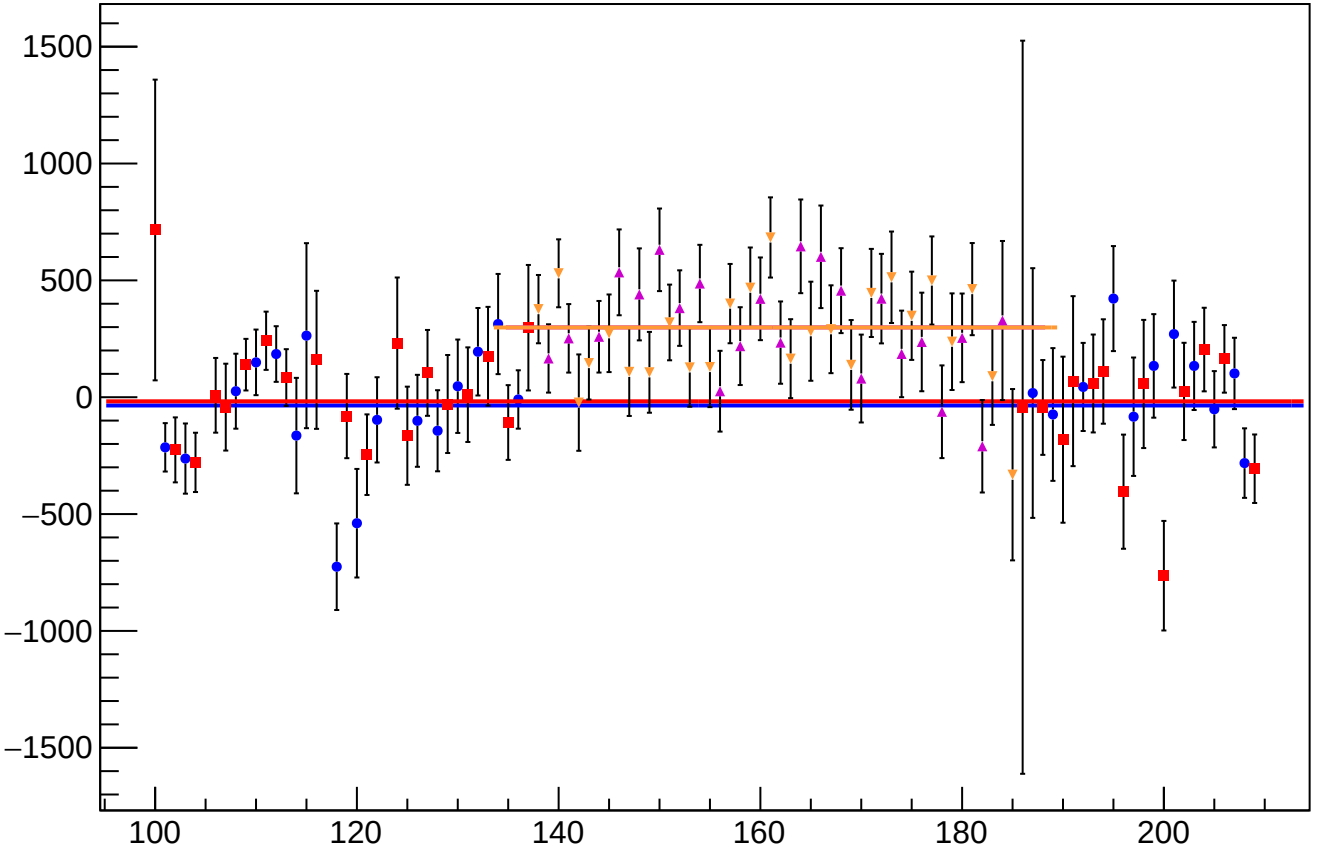
Right: 0.000+/-0.000 χ^2/NDF: 13344442.8/58

In: 0.000+/-0.000 χ^2/NDF:7390395.2/49

Out: 0.000+/-0.000 χ^2/NDF:9869103.2/56

All: 0.000+/-0.000 χ^2/NDF: 17332074.0/106

reg_asym_sam6_mean vs Slug, Sign Corrected



Right In: -35.345+/-33.916 χ^2/NDF: 46.1/26

Left Out: 298.517+/-36.051 χ^2/NDF:26.0/24

Right Out: -17.506+/-32.581 χ^2/NDF: 41.9/31

Left In: 298.675+/-37.727 χ^2/NDF:29.4/22

Left: 298.592+/-26.064 χ^2/NDF: 55.4/47

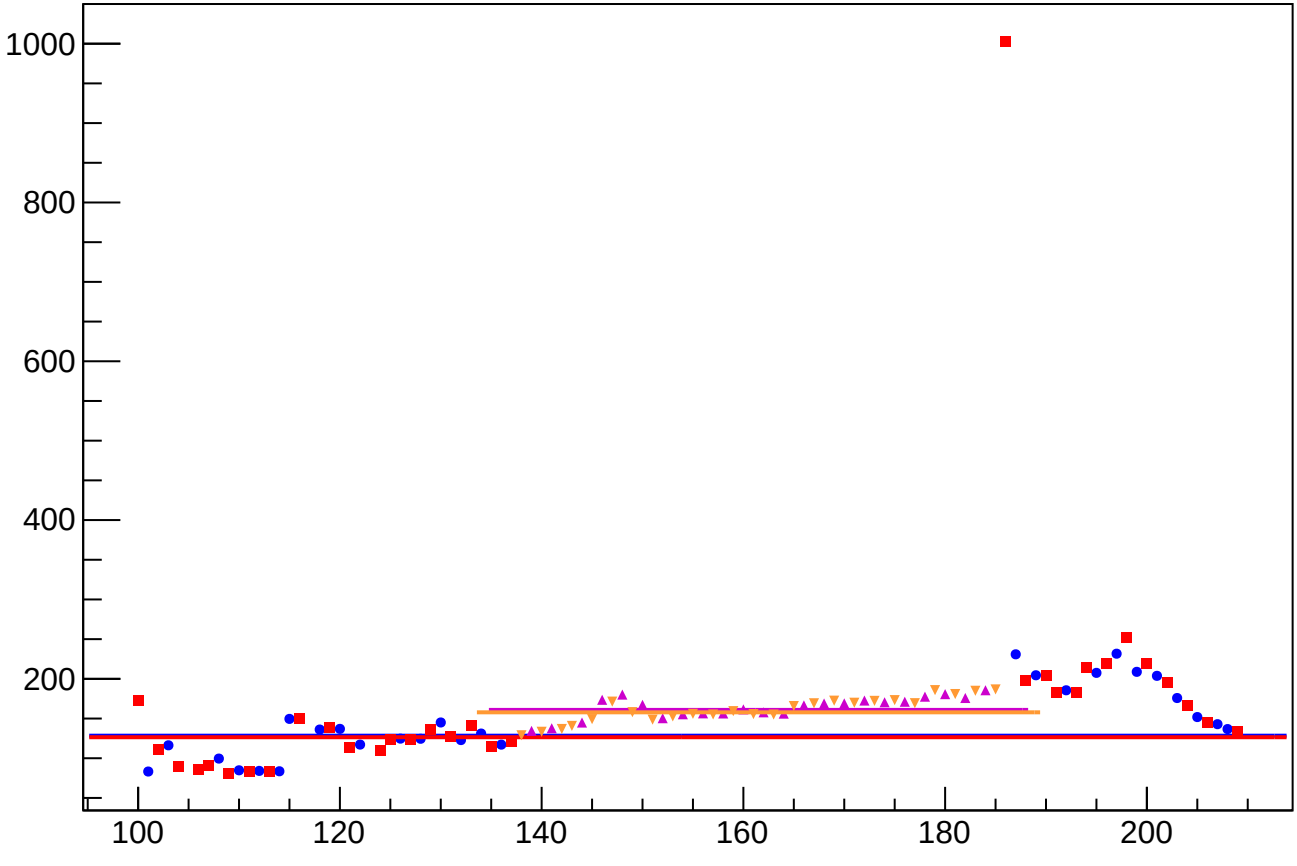
Right: -26.067+/-23.496 χ^2/NDF: 88.1/58

In: 113.947+/-25.222 χ^2/NDF:118.9/49

Out: 124.572+/-24.172 χ^2/NDF:110.1/56

All: 119.485+/-17.452 χ^2/NDF: 229.1/106

reg_asym_sam6_rms vs Slug, Sign Corrected



Right In: 128.396+/-0.024 χ^2/NDF: 2701699.5/26

Left Out: 157.836+/-0.025 χ^2/NDF:377205.2/24

Right Out: 126.457+/-0.023 χ^2/NDF: 4162392.1/31

Left In: 160.874+/-0.027 χ^2/NDF:268330.7/22

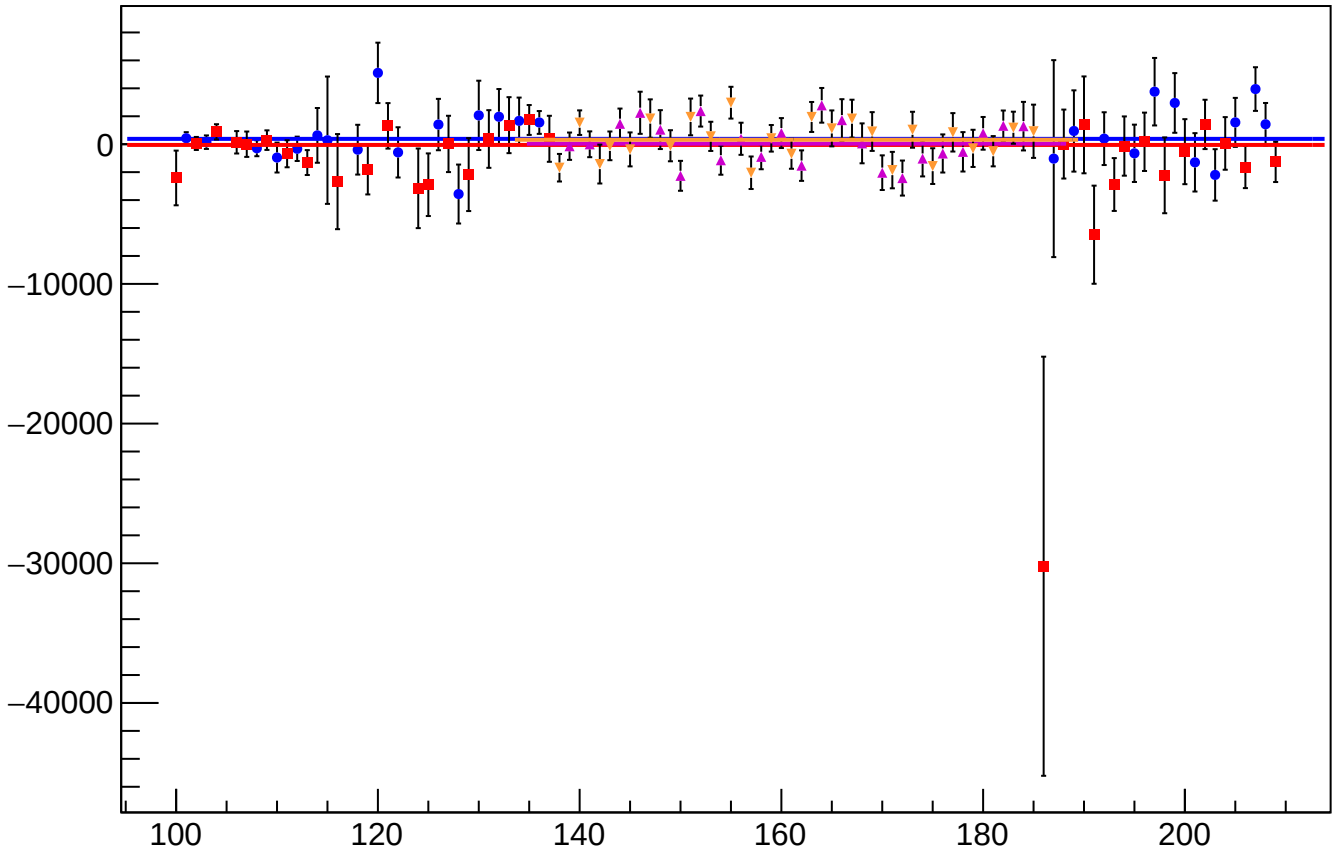
Left: 159.286+/-0.018 χ^2/NDF: 652314.6/47

Right: 127.388+/-0.017 χ^2/NDF: 6867488.1/58

In: 142.912+/-0.018 χ^2/NDF:3789793.8/49

Out: 140.565+/-0.017 χ^2/NDF:5373607.6/56

All: 141.689+/-0.012 χ^2/NDF: 9172430.5/106



Right In: 382.597+/-215.510 χ^2/NDF: 29.2/26

Left Out: 319.947+/-235.084 χ^2/NDF:32.5/24

Right Out: -51.841+/-215.852 χ^2/NDF: 29.4/31

Left In: 39.197+/-244.156 χ^2/NDF:34.8/22

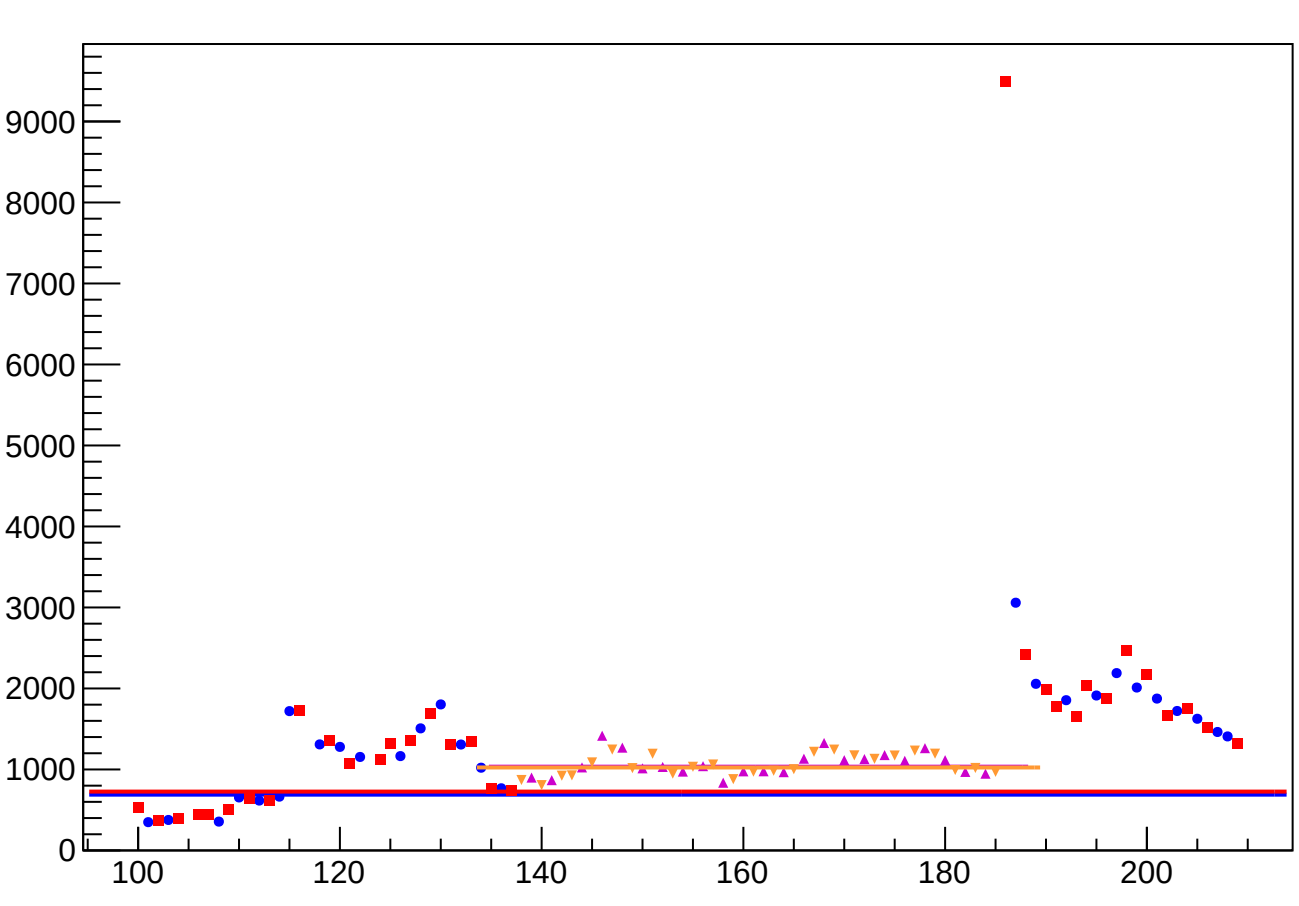
Left: 184.885+/-169.346 χ^2/NDF: 68.0/47

Right: 165.723+/-152.509 χ^2/NDF: 60.6/58

In: 232.215+/-161.572 χ^2/NDF:65.1/49

Out: 118.226+/-158.995 χ^2/NDF:63.2/56

All: 174.304+/-113.327 χ^2/NDF: 128.6/106



Right In: 688.975+/-0.152 χ^2/NDF: 10975853.6/26

Left Out: 1024.493+/-0.166 χ^2/NDF:597629.4/24

Right Out: 726.737+/-0.153 χ^2/NDF: 11643756.1/31

Left In: 1034.428+/-0.173 χ^2/NDF:628477.2/22

Left: 1029.272+/-0.120 χ^2/NDF: 1227824.8/47

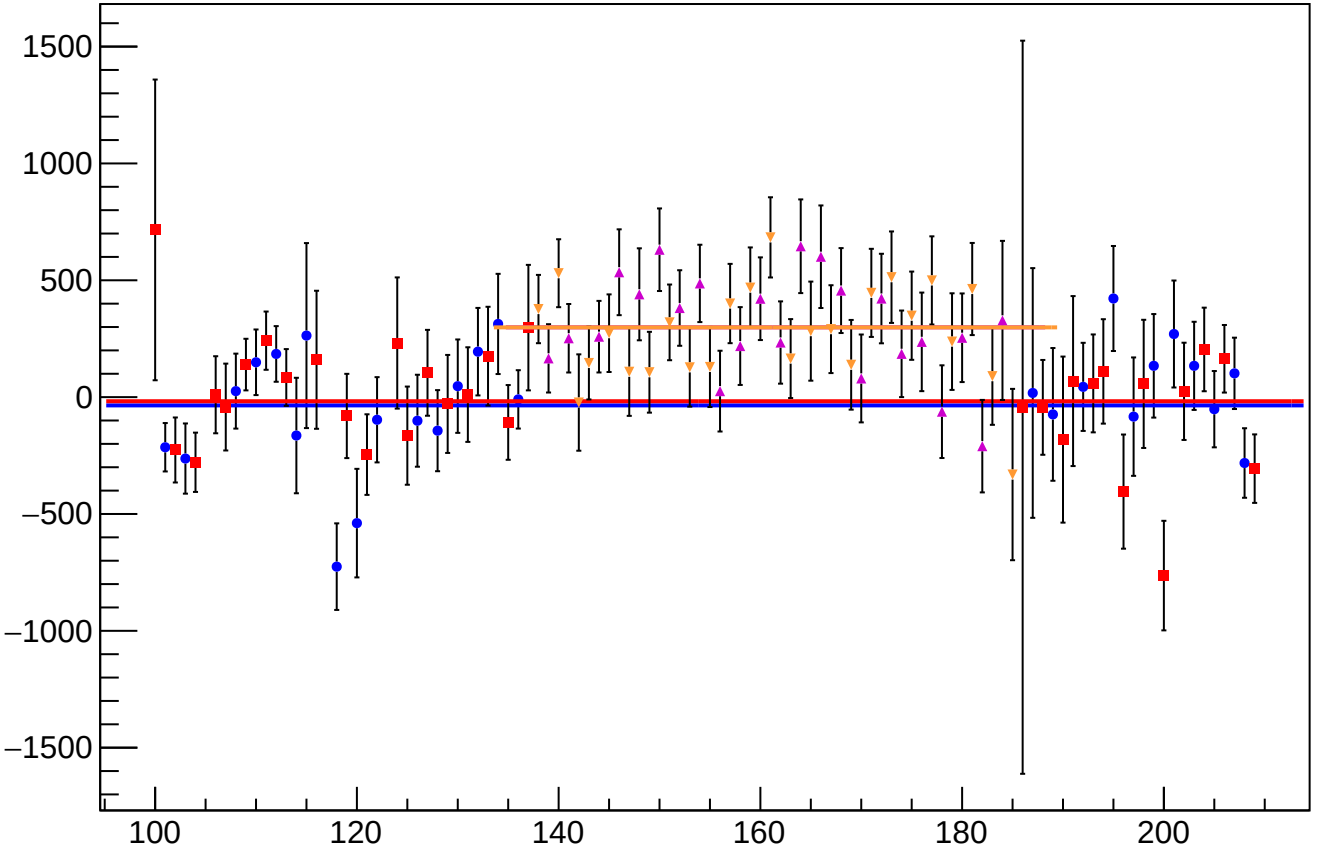
Right: 707.826+/-0.108 χ^2/NDF: 22650262.9/58

In: 840.256+/-0.114 χ^2/NDF:13854775.0/49

Out: 862.939+/-0.112 χ^2/NDF:13982241.8/56

All: 851.780+/-0.080 χ^2/NDF: 27857042.7/10

cor_asym_sam6_mean vs Slug, Sign Corrected



Right In: -35.363+/-33.916 χ^2/NDF: 46.1/26

Left Out: 298.518+/-36.051 χ^2/NDF:26.0/24

Right Out: -17.518+/-32.623 χ^2/NDF: 41.9/31

Left In: 298.682+/-37.727 χ^2/NDF:29.4/22

Left: 298.597+/-26.064 χ^2/NDF: 55.4/47

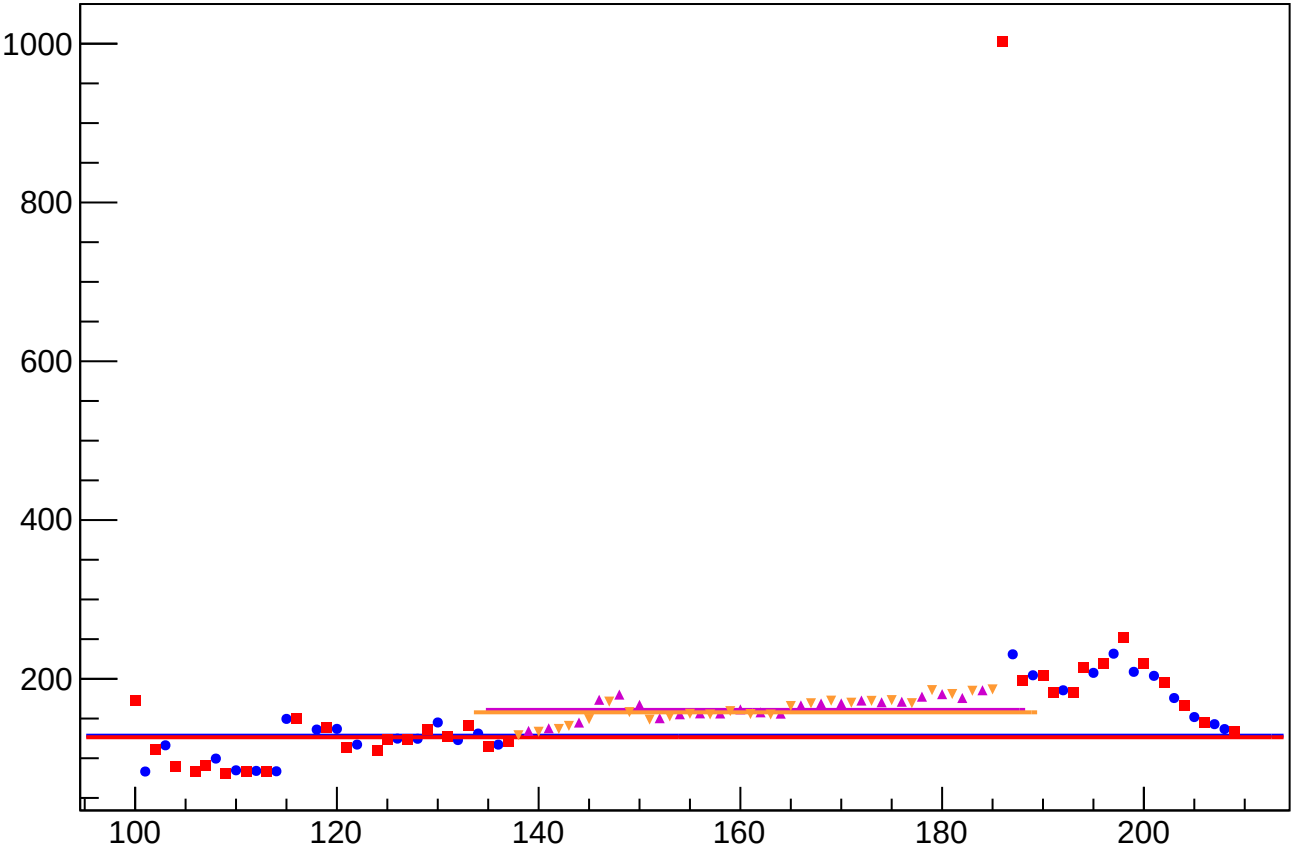
Right: -26.094+/-23.512 χ^2/NDF: 88.1/58

In: 113.940+/-25.222 χ^2/NDF:118.9/49

Out: 124.764+/-24.189 χ^2/NDF:110.1/56

All: 119.578+/-17.458 χ^2/NDF: 229.1/106

cor_asym_sam6_rms vs Slug, Sign Corrected



Right In: 128.396+/-0.024 χ^2/NDF: 2701697.8/26

Left Out: 157.836+/-0.025 χ^2/NDF:377205.2/24

Right Out: 126.437+/-0.023 χ^2/NDF: 4174084.5/31

Left In: 160.874+/-0.027 χ^2/NDF:268330.7/22

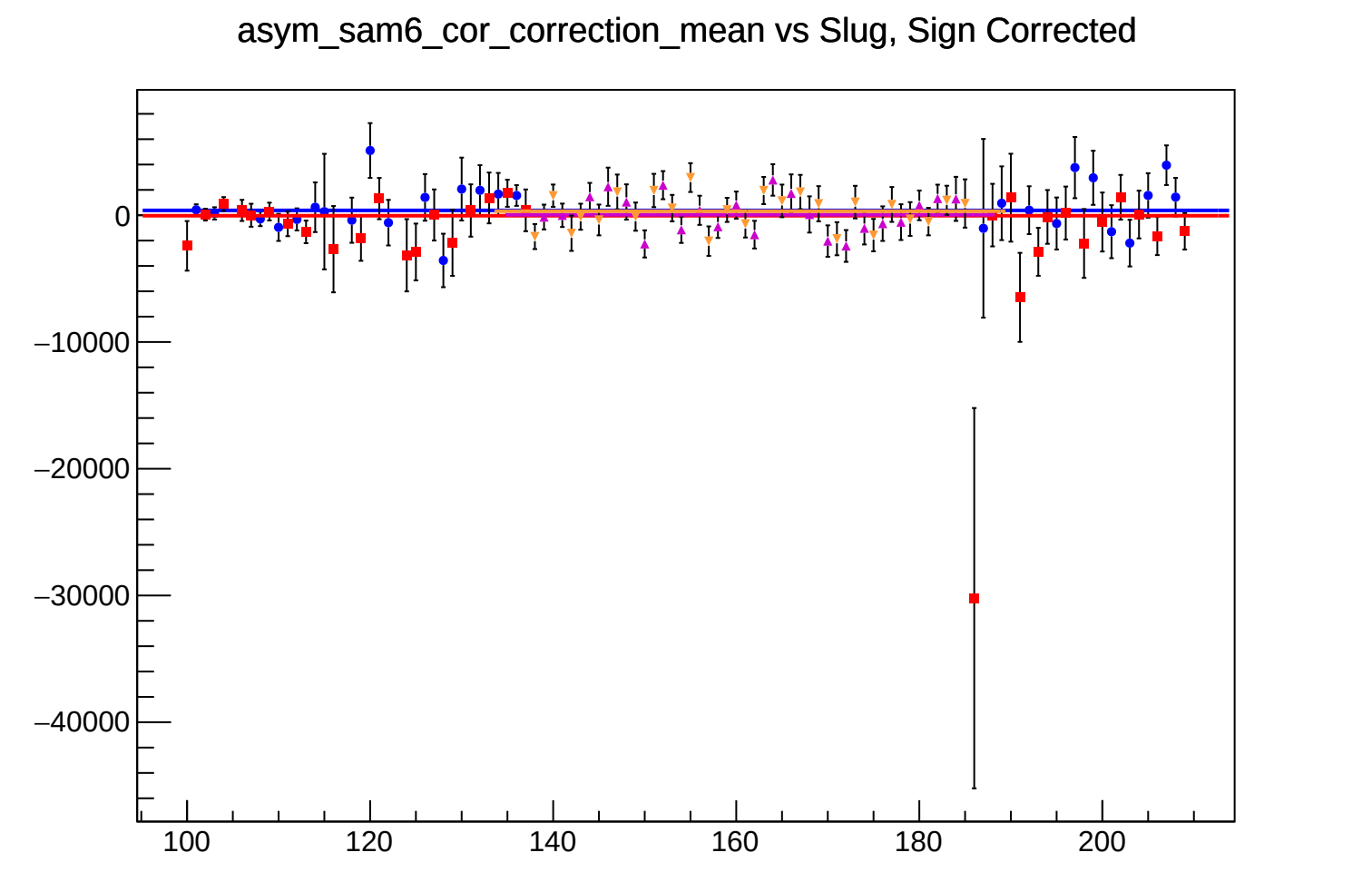
Left: 159.286+/-0.018 χ^2/NDF: 652314.6/47

Right: 127.378+/-0.017 χ^2/NDF: 6879247.2/58

In: 142.912+/-0.018 χ^2/NDF:3789789.5/49

Out: 140.573+/-0.017 χ^2/NDF:5385442.6/56

All: 141.694+/-0.012 χ^2/NDF: 9184191.2/106



Right In: 382.715+/-215.504 χ^2/NDF: 29.2/26

Left Out: 319.953+/-235.084 χ^2/NDF:32.5/24

Right Out: -37.122+/-216.355 χ^2/NDF: 29.6/31

Left In: 39.198+/-244.156 χ^2/NDF:34.8/22

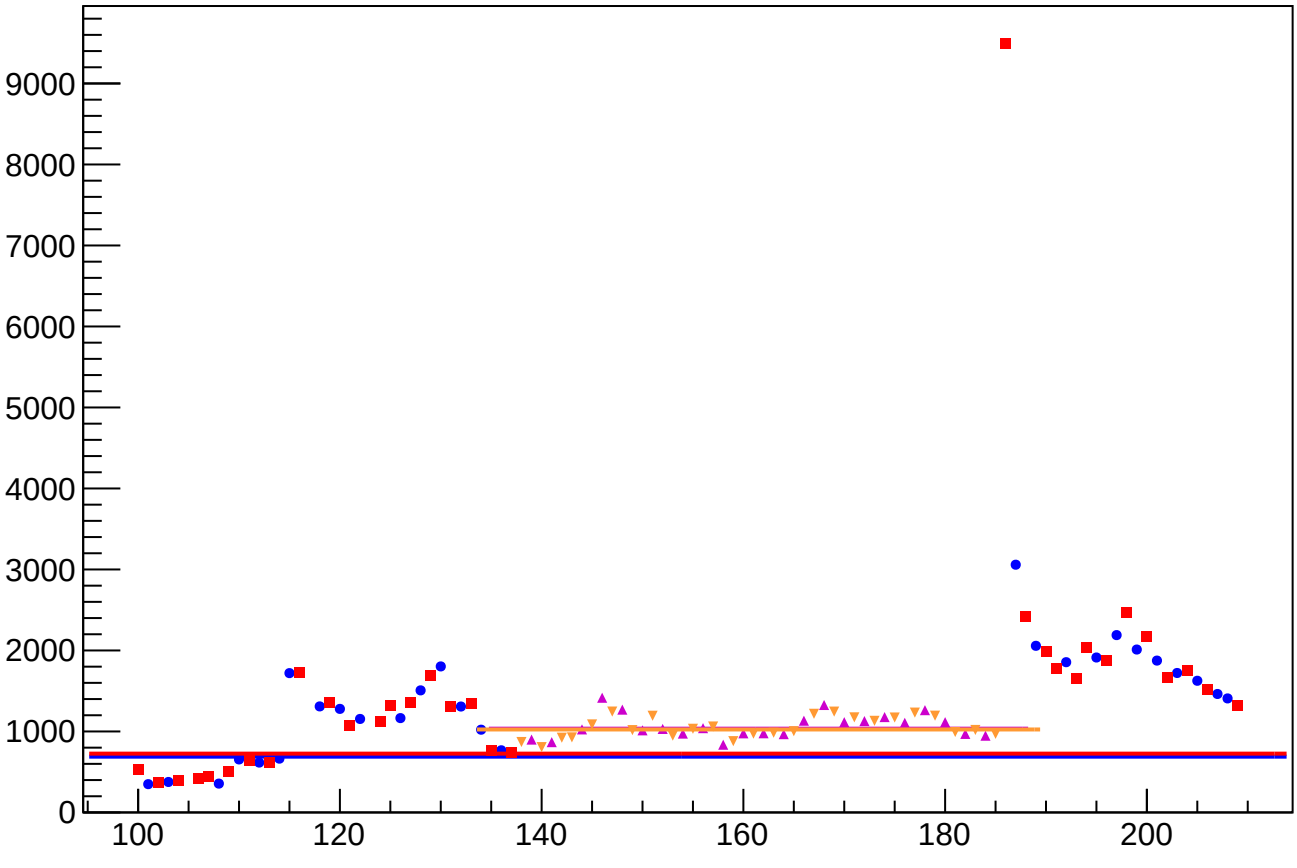
Left: 184.888+/-169.346 χ^2/NDF: 68.0/47

Right: 173.624+/-152.684 χ^2/NDF: 60.6/58

In: 232.286+/-161.569 χ^2/NDF:65.1/49

Out: 126.627+/-159.196 χ^2/NDF:63.3/56

All: 178.675+/-113.398 χ^2/NDF: 128.6/106



Right In: 688.948+/-0.152 χ^2/NDF: 10976358.7/26

Left Out: 1024.493+/-0.166 χ^2/NDF:597629.0/24

Right Out: 726.141+/-0.153 χ^2/NDF: 11677258.4/31

Left In: 1034.428+/-0.173 χ^2/NDF:628474.5/22

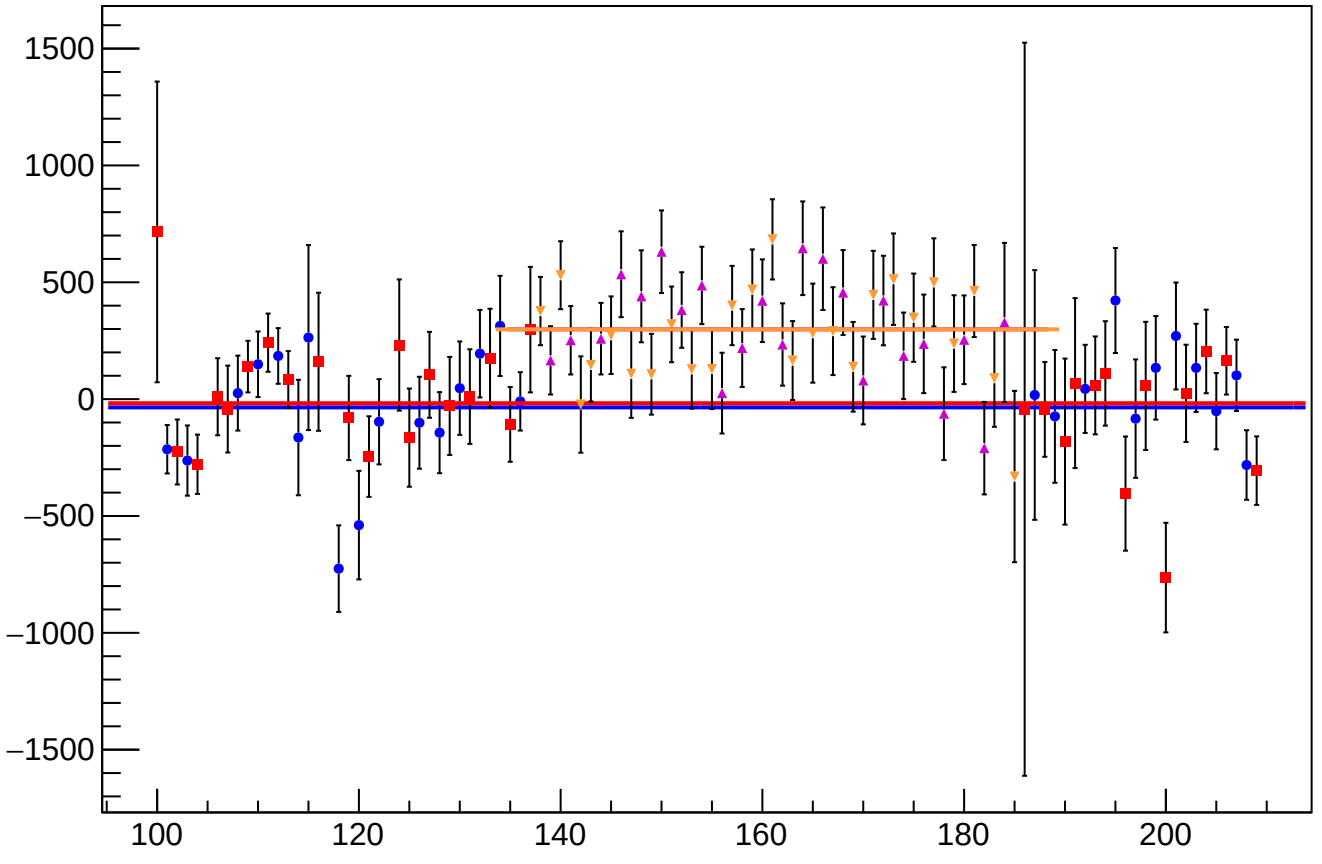
Left: 1029.273+/-0.120 χ^2/NDF: 1227821.8/47

Right: 707.472+/-0.108 χ^2/NDF: 22683286.1/58

In: 840.236+/-0.114 χ^2/NDF:13855686.4/49

Out: 862.961+/-0.113 χ^2/NDF:14018988.7/56

All: 851.767+/-0.080 χ^2/NDF: 27894750.3/10



Right In: -35.363+/-33.916 χ^2/NDF: 46.1/26

Left Out: 298.518+/-36.051 χ^2/NDF:26.0/24

Right Out: -17.518+/-32.623 χ^2/NDF: 41.9/31

Left In: 298.682+/-37.727 χ^2/NDF:29.4/22

Left: 298.597+/-26.064 χ^2/NDF: 55.4/47

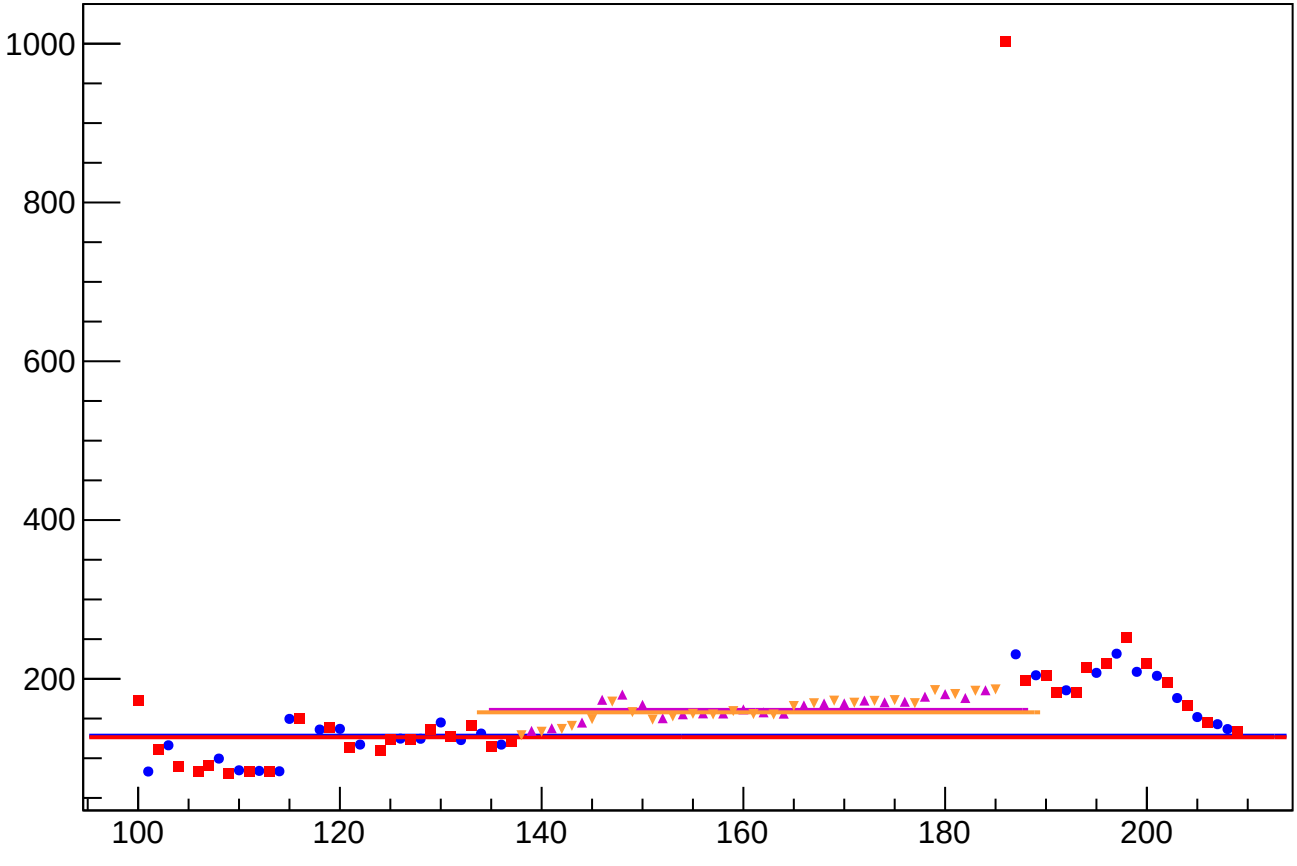
Right: -26.094+/-23.512 χ^2/NDF: 88.1/58

In: 113.940+/-25.222 χ^2/NDF:118.9/49

Out: 124.764+/-24.189 χ^2/NDF:110.1/56

All: 119.578+/-17.458 χ^2/NDF: 229.1/106

eigen_cor_asym_sam6_rms vs Slug, Sign Corrected



Right In: 128.396+/-0.024 χ^2/NDF: 2701697.8/26

Left Out: 157.836+/-0.025 χ^2/NDF:377205.2/24

Right Out: 126.437+/-0.023 χ^2/NDF: 4174084.5/31

Left In: 160.874+/-0.027 χ^2/NDF:268330.7/22

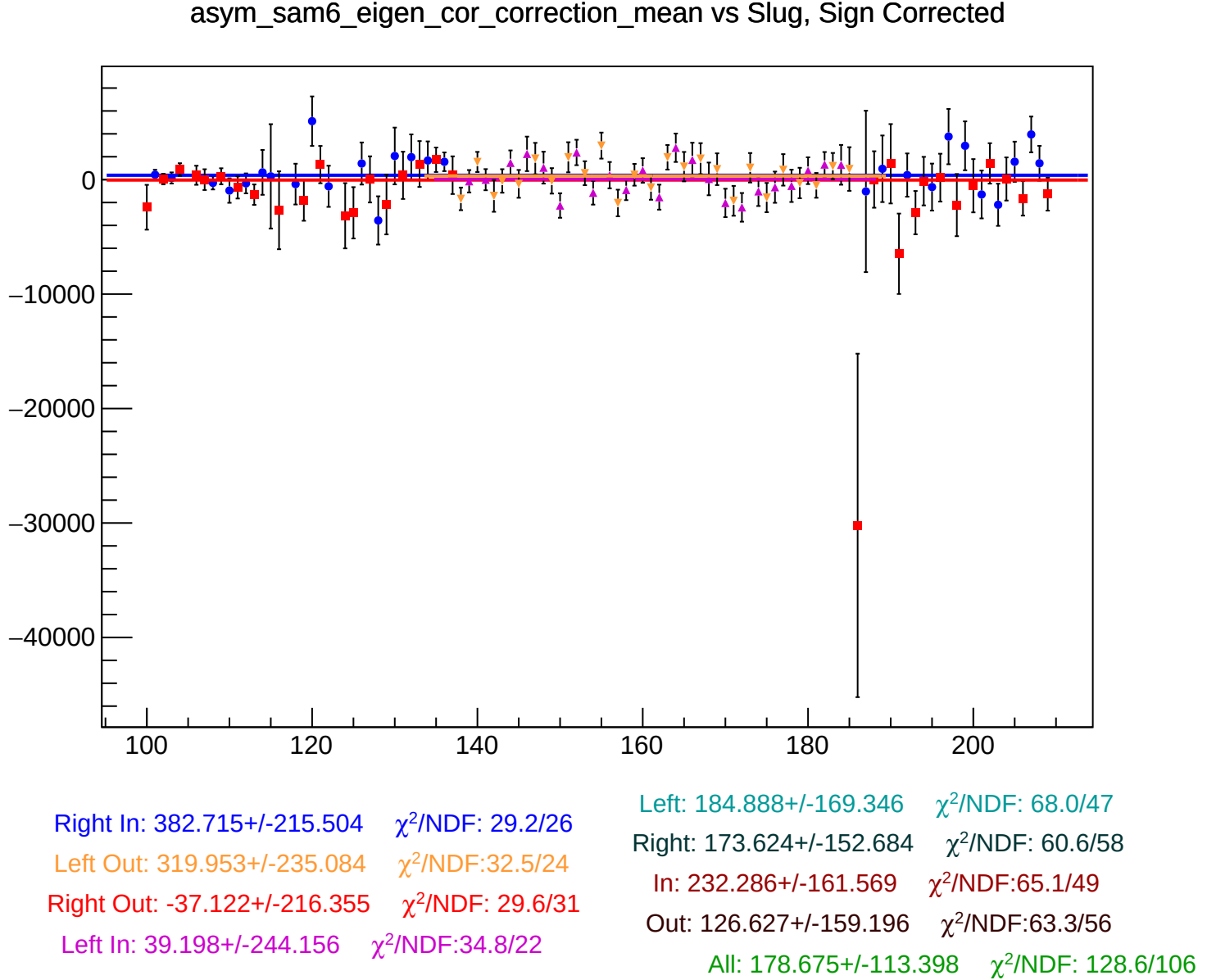
Left: 159.286+/-0.018 χ^2/NDF: 652314.6/47

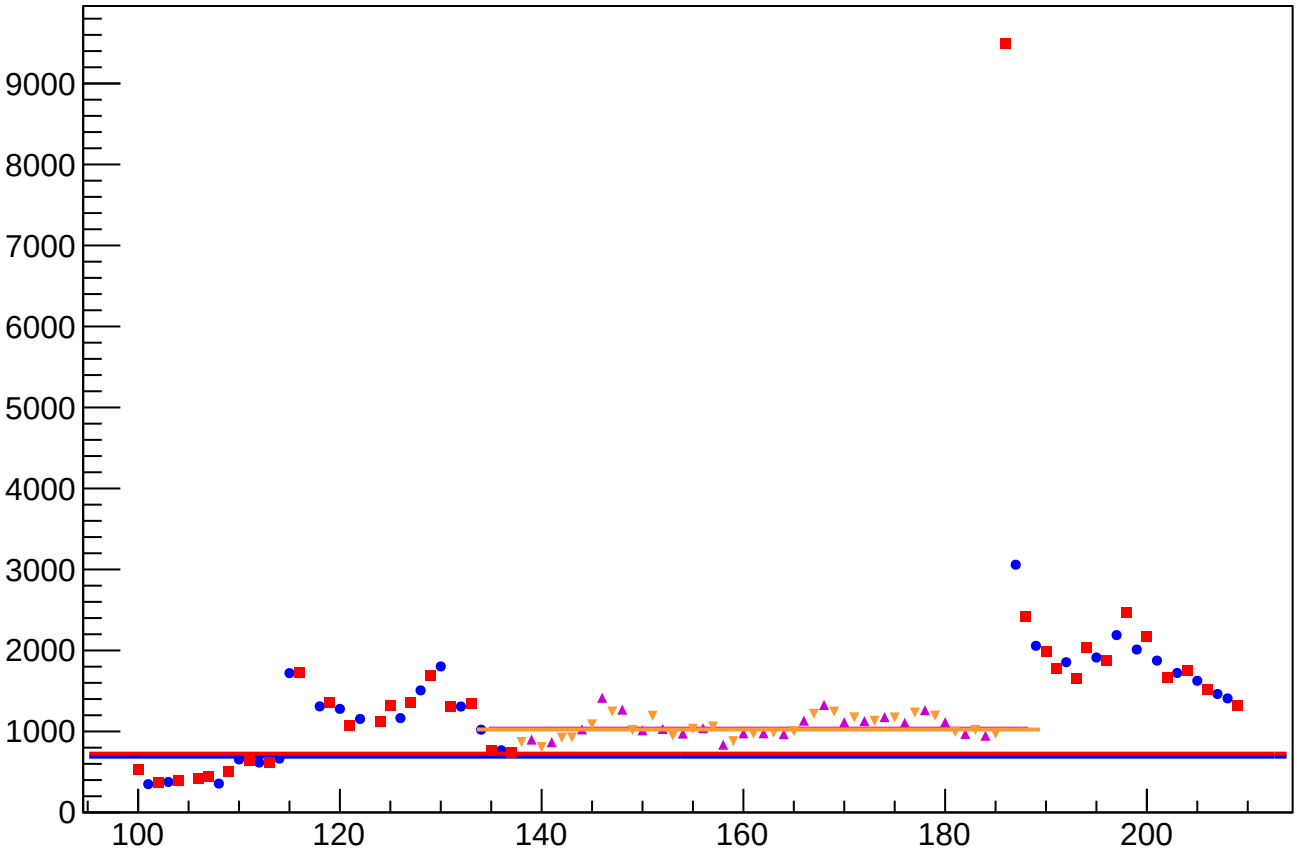
Right: 127.378+/-0.017 χ^2/NDF: 6879247.2/58

In: 142.912+/-0.018 χ^2/NDF:3789789.5/49

Out: 140.573+/-0.017 χ^2/NDF:5385442.6/56

All: 141.694+/-0.012 χ^2/NDF: 9184191.2/106


asym_sam6_eigen_cor_correction_mean vs Slug, Sign Corrected
0
−10000
−20000
−30000
−40000
100
120
140
160
180
200
Right In: 382.715+/-215.504 χ²/NDF: 29.2/26
Left Out: 319.953+/-235.084 χ²/NDF:32.5/24
Right Out: -37.122+/-216.355 χ²/NDF: 29.6/31
Left In: 39.198+/-244.156 χ²/NDF:34.8/22
Left: 184.888+/-169.346 χ²/NDF: 68.0/47
Right: 173.624+/-152.684 χ²/NDF: 60.6/58
In: 232.286+/-161.569 χ²/NDF:65.1/49
Out: 126.627+/-159.196 χ²/NDF:63.3/56
All: 178.675+/-113.398 χ²/NDF: 128.6/106



Right In: 688.948+/-0.152 χ^2/NDF: 10976358.7/26

Left Out: 1024.493+/-0.166 χ^2/NDF:597629.0/24

Right Out: 726.141+/-0.153 χ^2/NDF: 11677258.4/31

Left In: 1034.428+/-0.173 χ^2/NDF:628474.5/22

Left: 1029.273+/-0.120 χ^2/NDF: 1227821.8/47

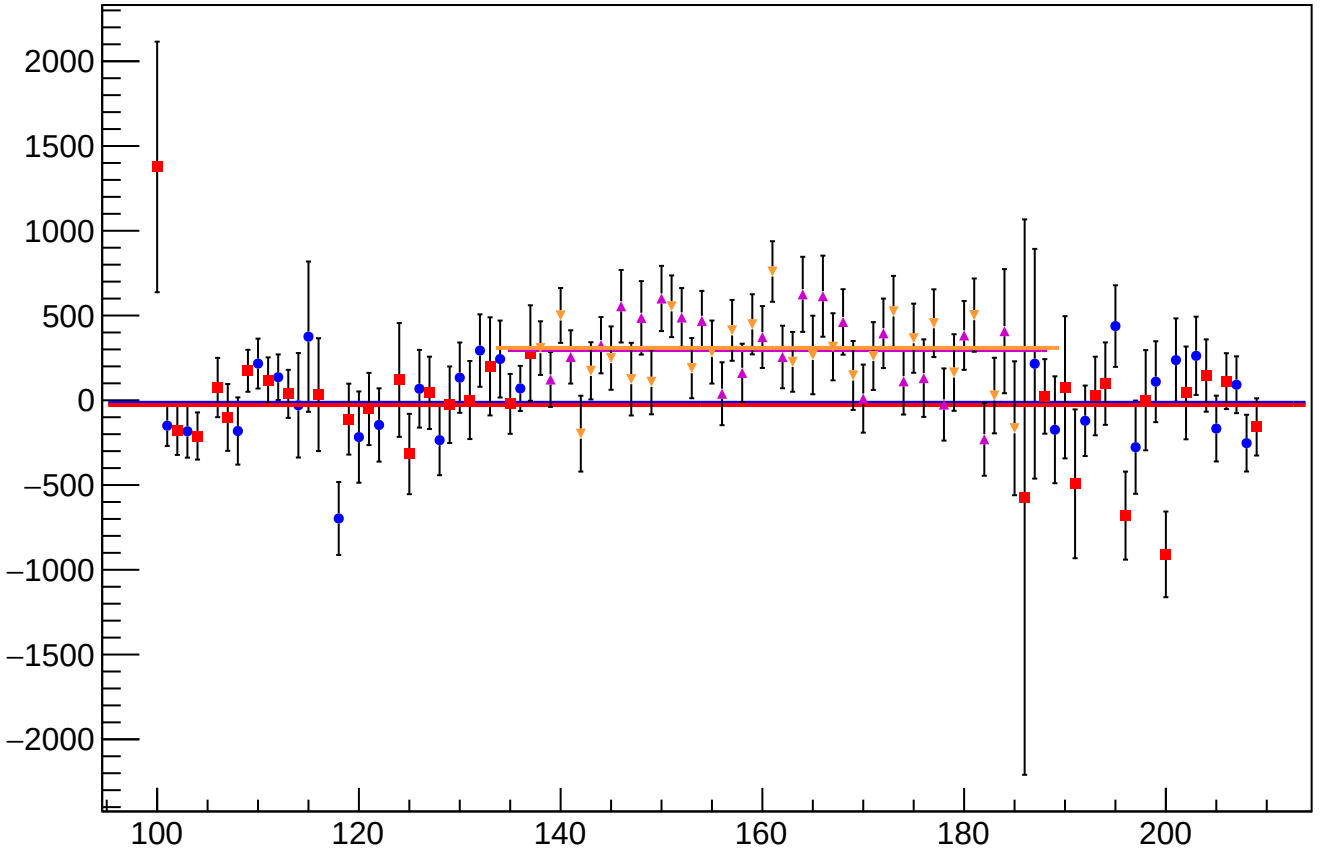
Right: 707.472+/-0.108 χ^2/NDF: 22683286.1/58

In: 840.236+/-0.114 χ^2/NDF:13855686.4/49

Out: 862.961+/-0.113 χ^2/NDF:14018988.7/56

All: 851.767+/-0.080 χ^2/NDF: 27894750.3/10

dit_asym_sam6_mean vs Slug, Sign Corrected



Right In: -14.991+/-38.043 χ^2/NDF: 35.1/26

Left Out: 309.031+/-38.901 χ^2/NDF:25.6/24

Right Out: -27.956+/-36.670 χ^2/NDF: 37.0/31

Left In: 296.497+/-40.607 χ^2/NDF:27.8/22

Left: 303.033+/-28.091 χ^2/NDF: 53.4/47

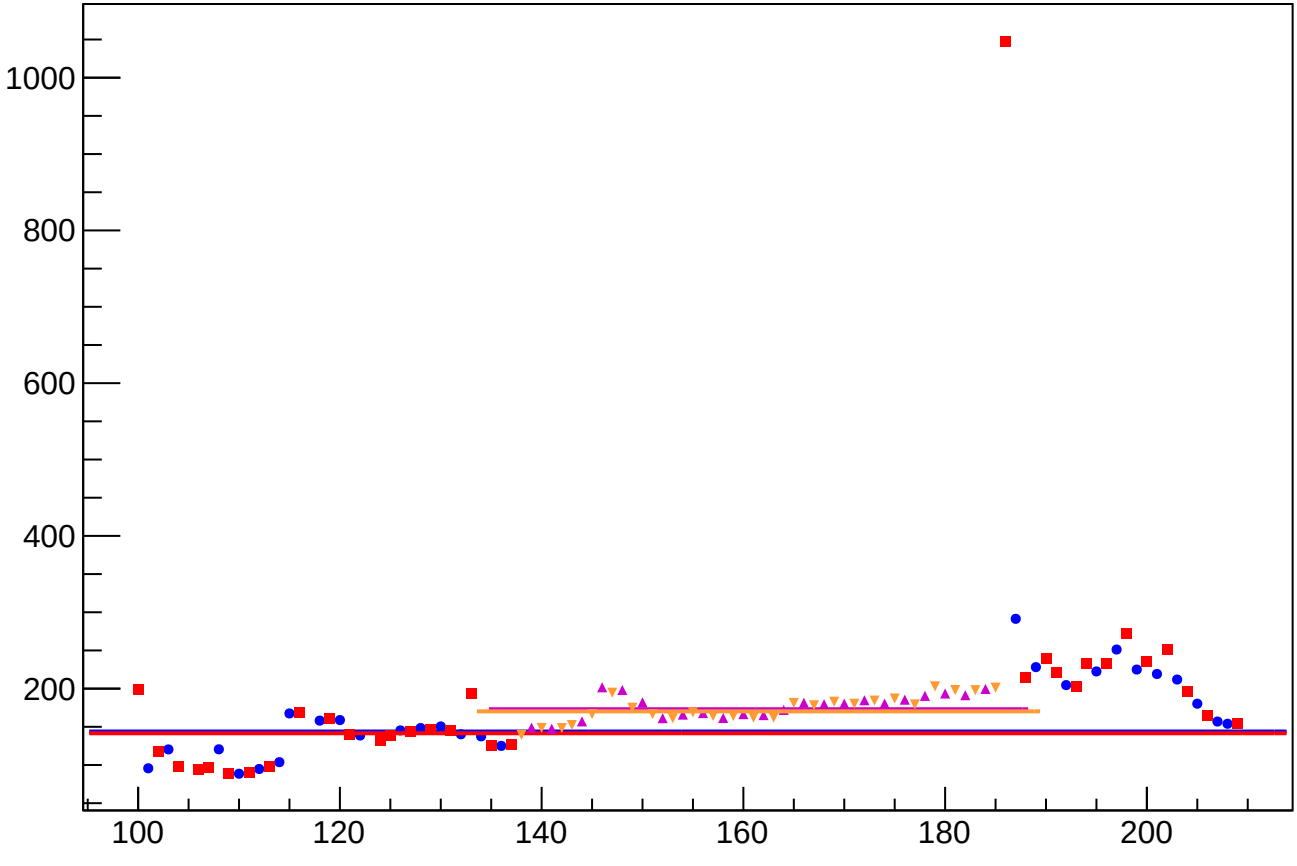
Right: -21.712+/-26.401 χ^2/NDF: 72.1/58

In: 130.610+/-27.763 χ^2/NDF:94.2/49

Out: 130.597+/-26.683 χ^2/NDF:102.2/56

All: 130.603+/-19.238 χ^2/NDF: 196.5/106

dit_asym_sam6_rms vs Slug, Sign Corrected



Right In: 143.841+/-0.027 χ^2/NDF: 2659362.2/26

Left Out: 170.240+/-0.028 χ^2/NDF:366302.5/24

Right Out: 141.552+/-0.026 χ^2/NDF: 4342322.3/31

Left In: 173.024+/-0.029 χ^2/NDF:293702.8/22

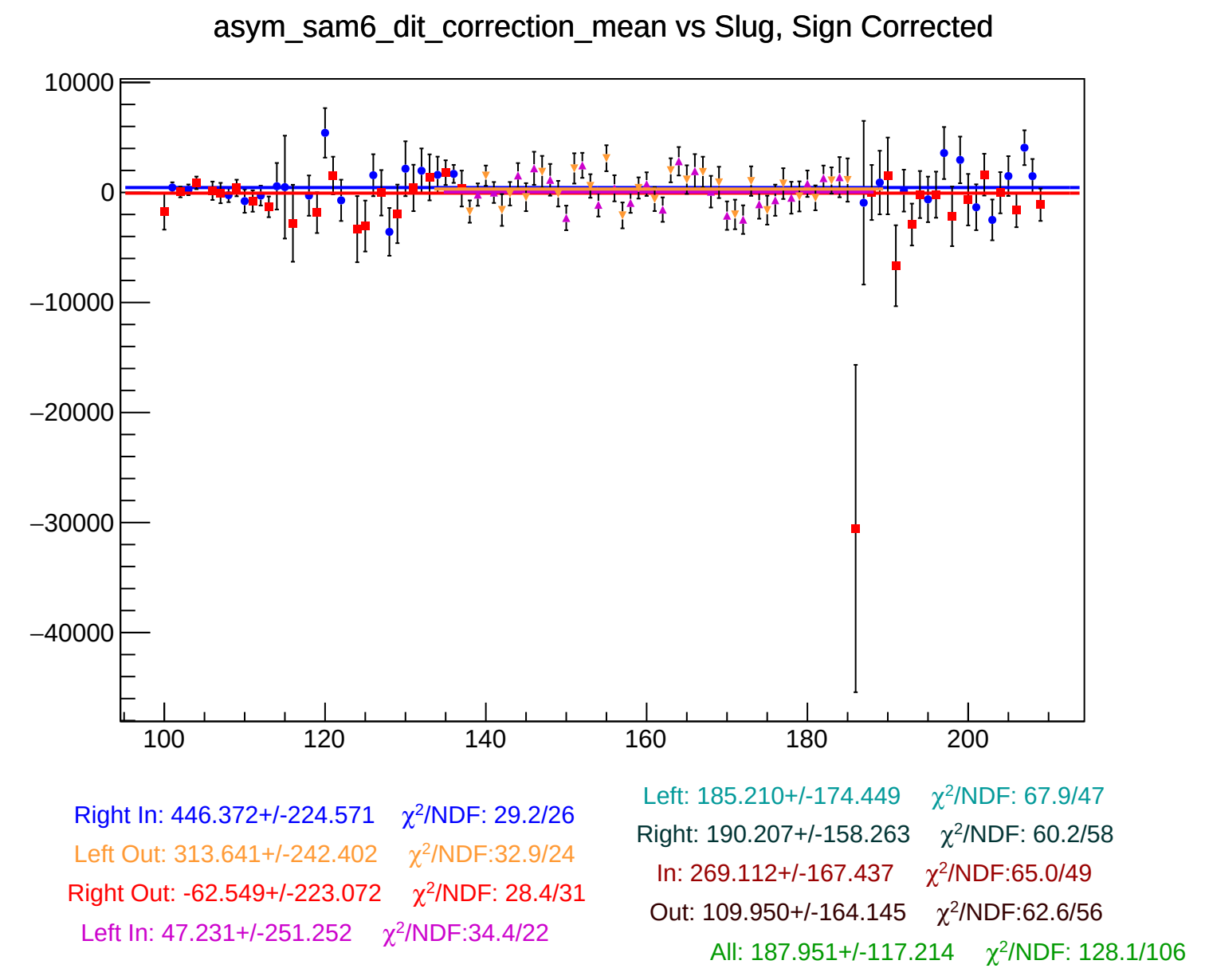
Left: 171.572+/-0.020 χ^2/NDF: 664905.1/47

Right: 142.655+/-0.019 χ^2/NDF: 7005438.3/58

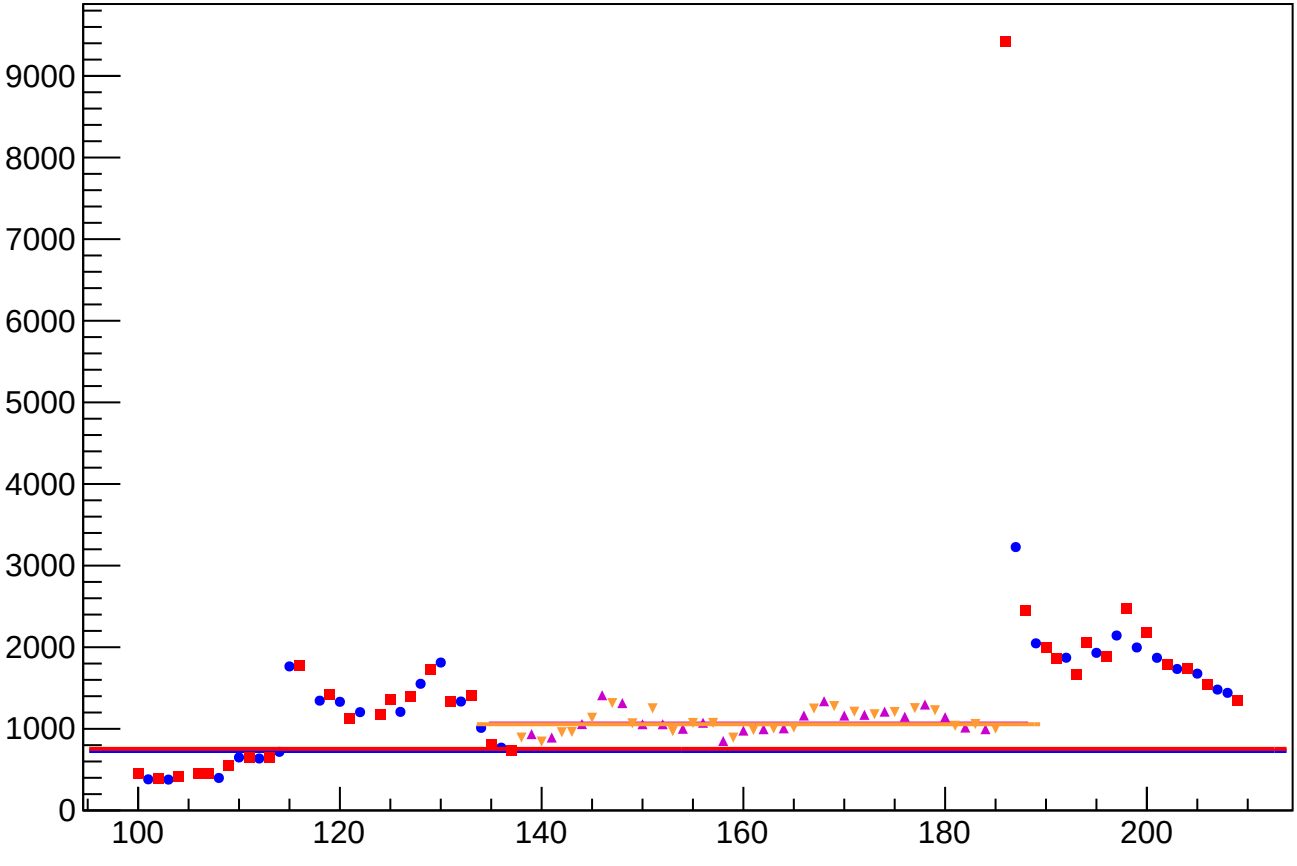
In: 157.482+/-0.020 χ^2/NDF:3503176.1/49

Out: 155.050+/-0.019 χ^2/NDF:5284581.4/56

All: 156.218+/-0.014 χ^2/NDF: 8795736.7/106


asym_sam6_dit_correction_mean vs Slug, Sign Corrected
10000
0
−10000
−20000
−30000
−40000
100
120
140
160
180
200
Right In: 446.372+/-224.571 χ²/NDF: 29.2/26
Left Out: 313.641+/-242.402 χ²/NDF:32.9/24
Right Out: -62.549+/-223.072 χ²/NDF: 28.4/31
Left In: 47.231+/-251.252 χ²/NDF:34.4/22
Left: 185.210+/-174.449 χ²/NDF: 67.9/47
Right: 190.207+/-158.263 χ²/NDF: 60.2/58
In: 269.112+/-167.437 χ²/NDF:65.0/49
Out: 109.950+/-164.145 χ²/NDF:62.6/56
All: 187.951+/-117.214 χ²/NDF: 128.1/106

asym_sam6_dit_correction_rms vs Slug, Sign Corrected



Right In: 728.434+/-0.159 χ^2/NDF: 10409901.0/26

Left Out: 1056.328+/-0.171 χ^2/NDF:610710.4/24

Right Out: 754.581+/-0.158 χ^2/NDF: 11467050.4/31

Left In: 1064.691+/-0.178 χ^2/NDF:611055.8/22

Left: 1060.360+/-0.123 χ^2/NDF: 1222913.7/47

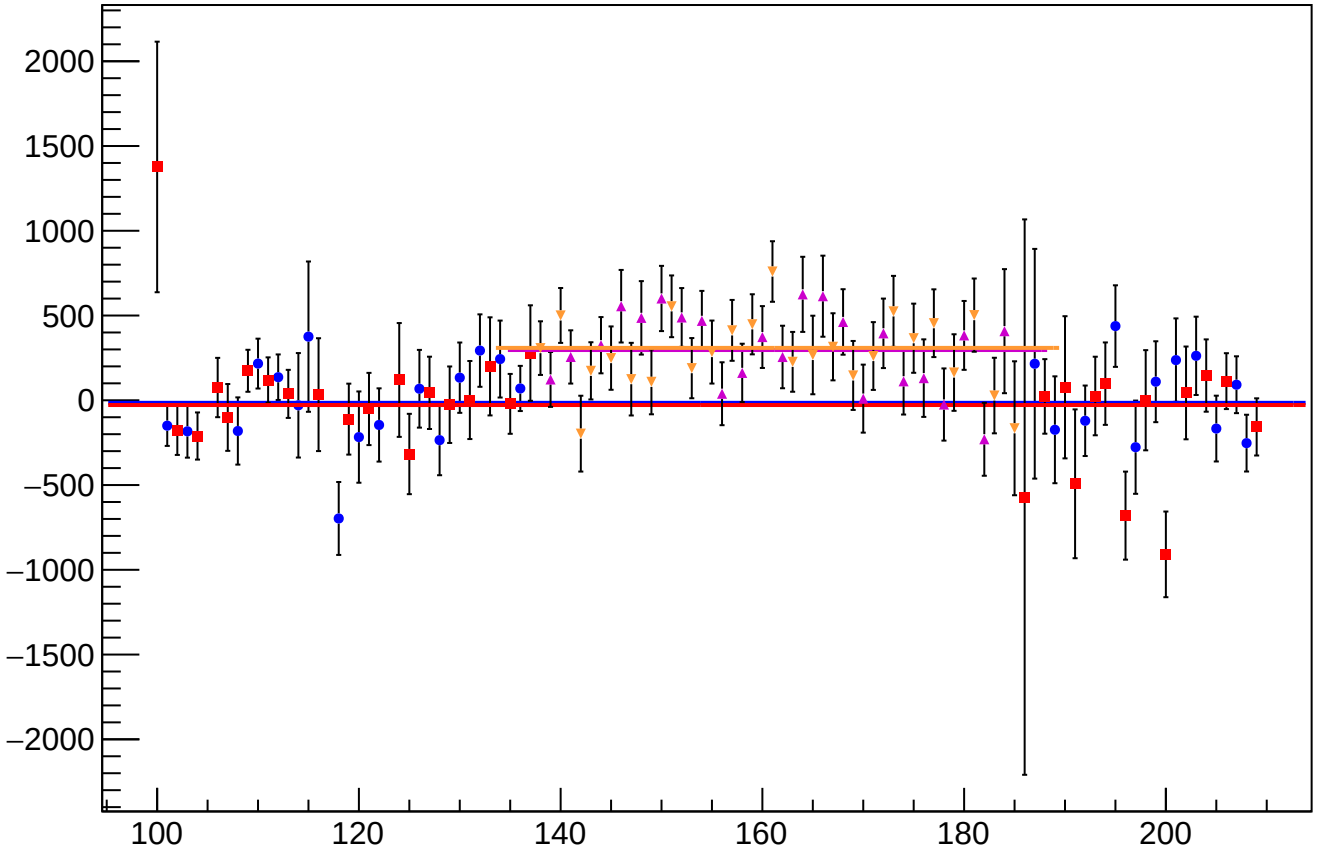
Right: 741.595+/-0.112 χ^2/NDF: 21890598.0/58

In: 877.767+/-0.118 χ^2/NDF:13012313.2/49

Out: 892.945+/-0.116 χ^2/NDF:13755821.1/56

All: 885.507+/-0.083 χ^2/NDF: 26776514.9/10

eigen_dit_asym_sam6_mean vs Slug, Sign Corrected



Right In: -14.993+/-38.043 χ^2/NDF: 35.1/26

Left Out: 309.032+/-38.901 χ^2/NDF:25.6/24

Right Out: -27.956+/-36.670 χ^2/NDF: 37.0/31

Left In: 296.497+/-40.607 χ^2/NDF:27.8/22

Left: 303.033+/-28.091 χ^2/NDF: 53.4/47

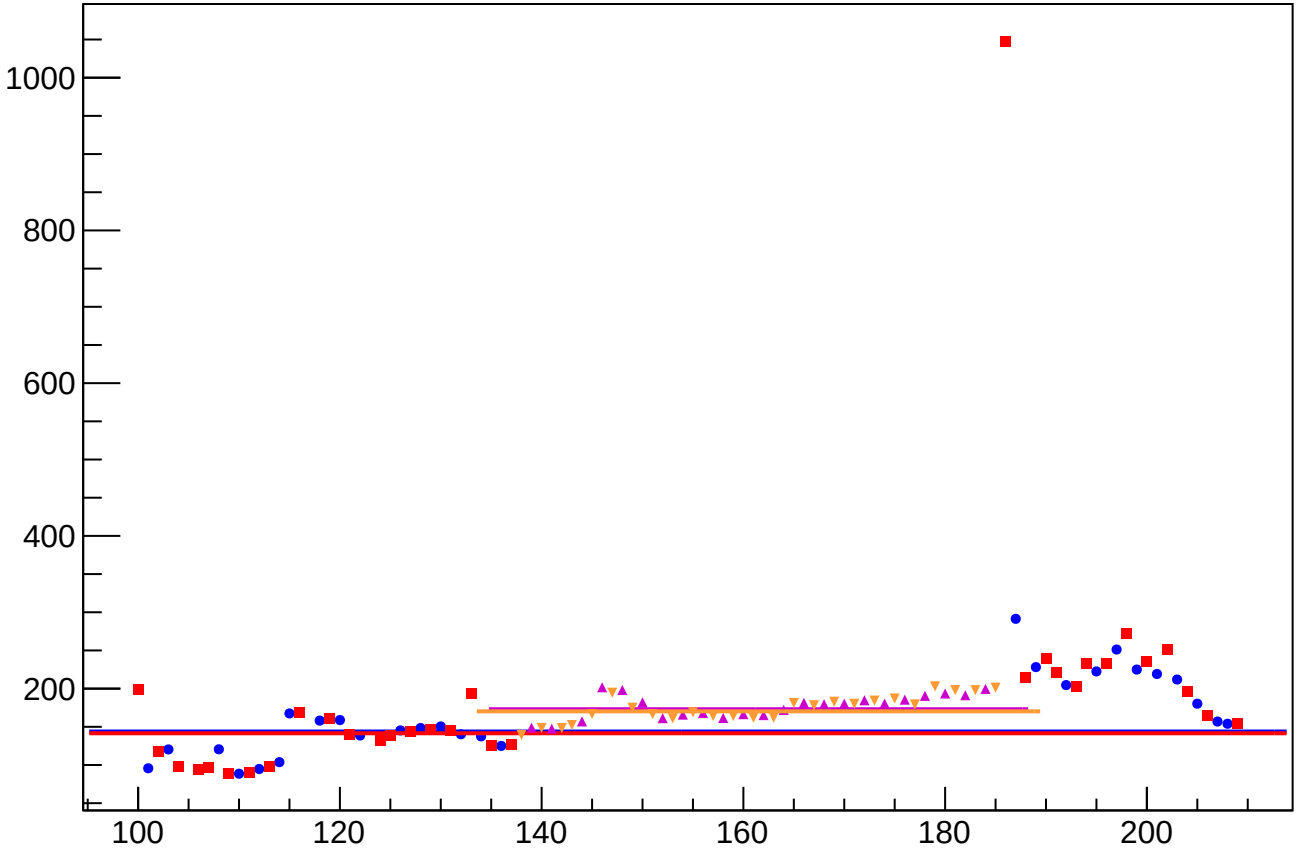
Right: -21.713+/-26.401 χ^2/NDF: 72.1/58

In: 130.609+/-27.762 χ^2/NDF:94.2/49

Out: 130.598+/-26.683 χ^2/NDF:102.2/56

All: 130.603+/-19.238 χ^2/NDF: 196.5/106

eigen_dit_asym_sam6_rms vs Slug, Sign Corrected



Right In: 143.841+/-0.027 χ^2/NDF: 2659380.4/26

Left Out: 170.240+/-0.028 χ^2/NDF:366303.1/24

Right Out: 141.552+/-0.026 χ^2/NDF: 4342328.3/31

Left In: 173.023+/-0.029 χ^2/NDF:293703.4/22

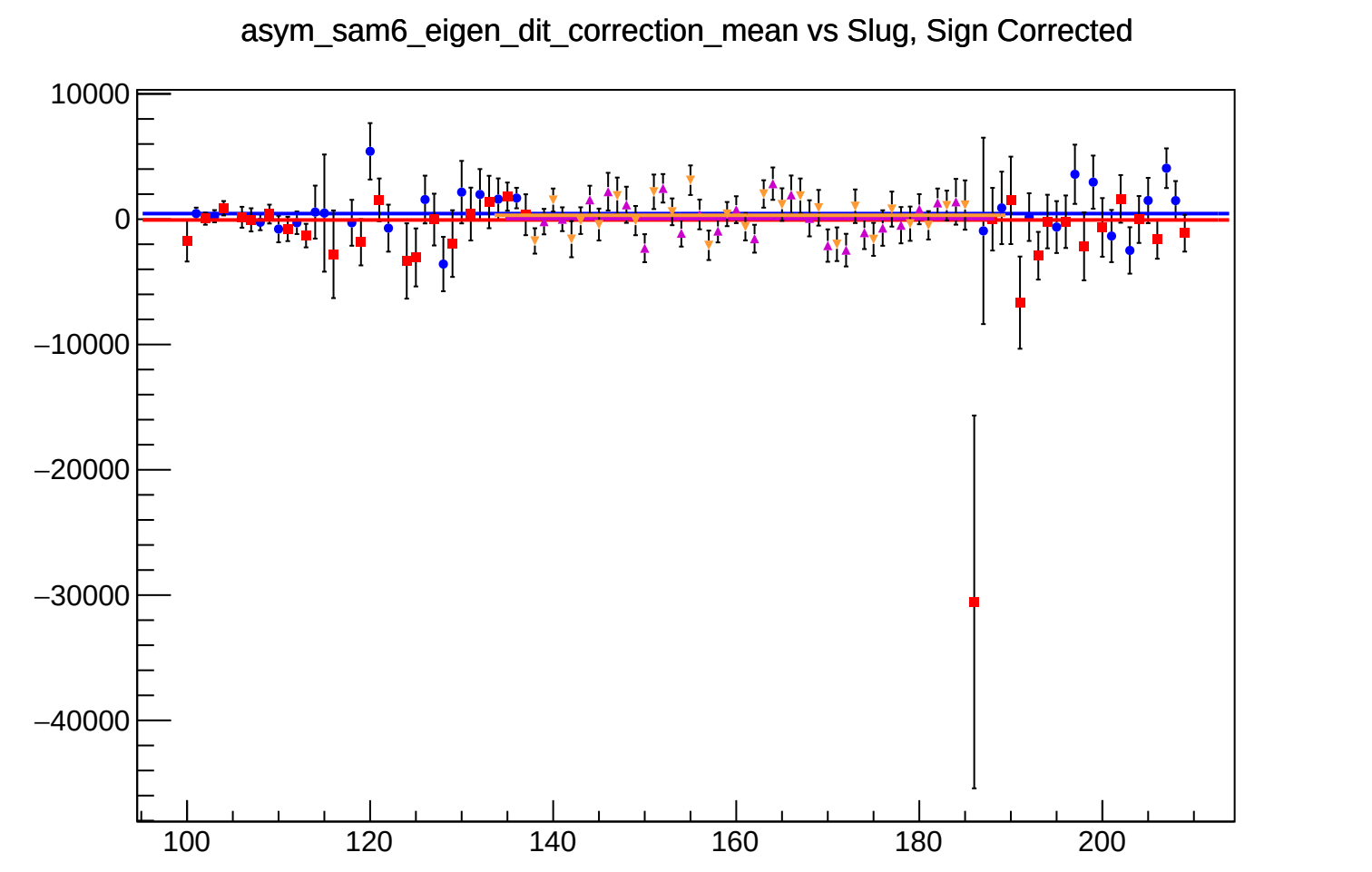
Left: 171.572+/-0.020 χ^2/NDF: 664906.3/47

Right: 142.654+/-0.019 χ^2/NDF: 7005462.4/58

In: 157.482+/-0.020 χ^2/NDF:3503199.3/49

Out: 155.050+/-0.019 χ^2/NDF:5284590.7/56

All: 156.218+/-0.014 χ^2/NDF: 8795769.2/106



Right In: 446.371+/-224.570 χ^2/NDF: 29.2/26

Left Out: 313.641+/-242.402 χ^2/NDF:32.9/24

Right Out: -62.548+/-223.071 χ^2/NDF: 28.4/31

Left In: 47.231+/-251.252 χ^2/NDF:34.4/22

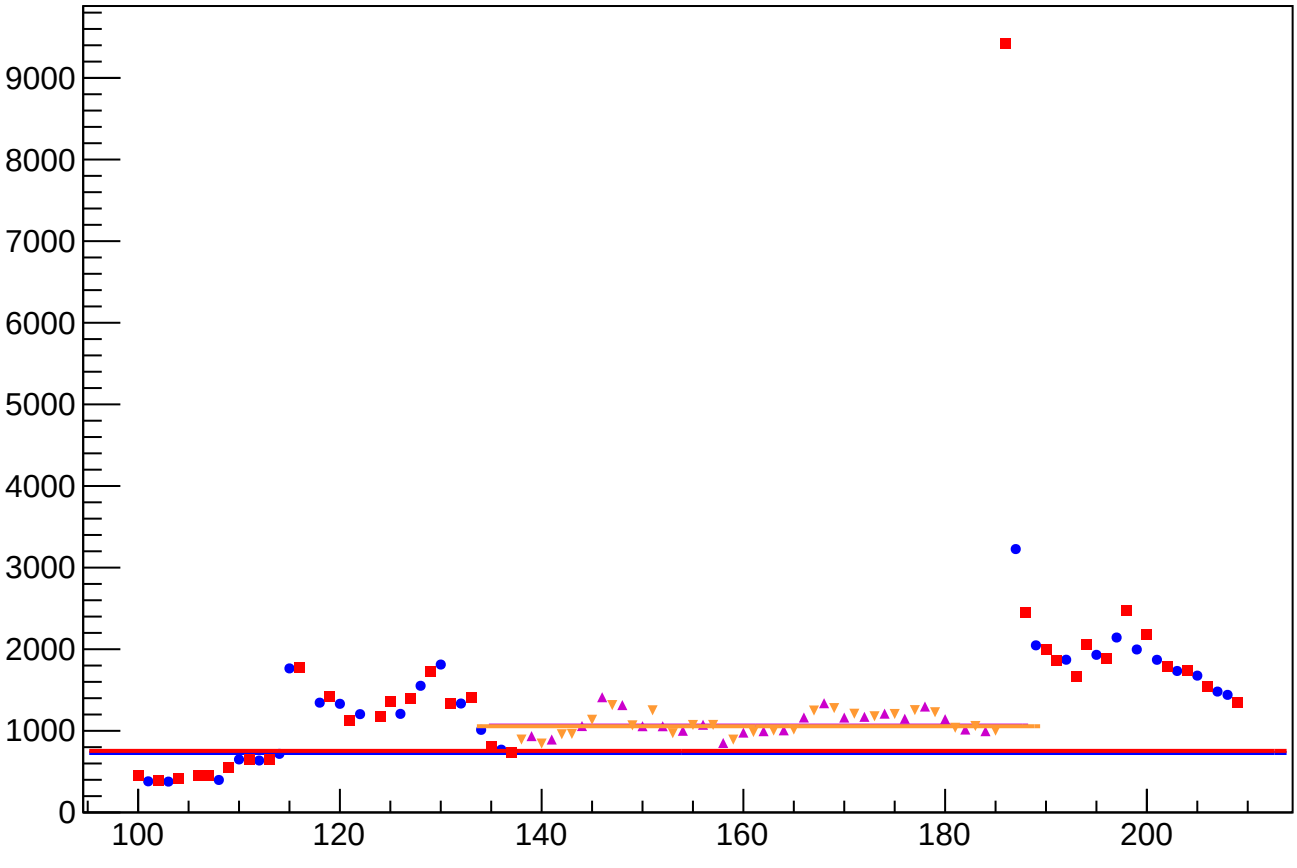
Left: 185.210+/-174.449 χ^2/NDF: 67.9/47

Right: 190.207+/-158.263 χ^2/NDF: 60.2/58

In: 269.112+/-167.436 χ^2/NDF:65.0/49

Out: 109.950+/-164.144 χ^2/NDF:62.6/56

All: 187.951+/-117.214 χ^2/NDF: 128.1/106



Right In: 728.434+/-0.159 χ^2/NDF: 10409912.4/26

Left Out: 1056.328+/-0.171 χ^2/NDF:610715.5/24

Right Out: 754.580+/-0.158 χ^2/NDF: 11467054.0/31

Left In: 1064.691+/-0.178 χ^2/NDF:611059.3/22

Left: 1060.360+/-0.123 χ^2/NDF: 1222922.4/47

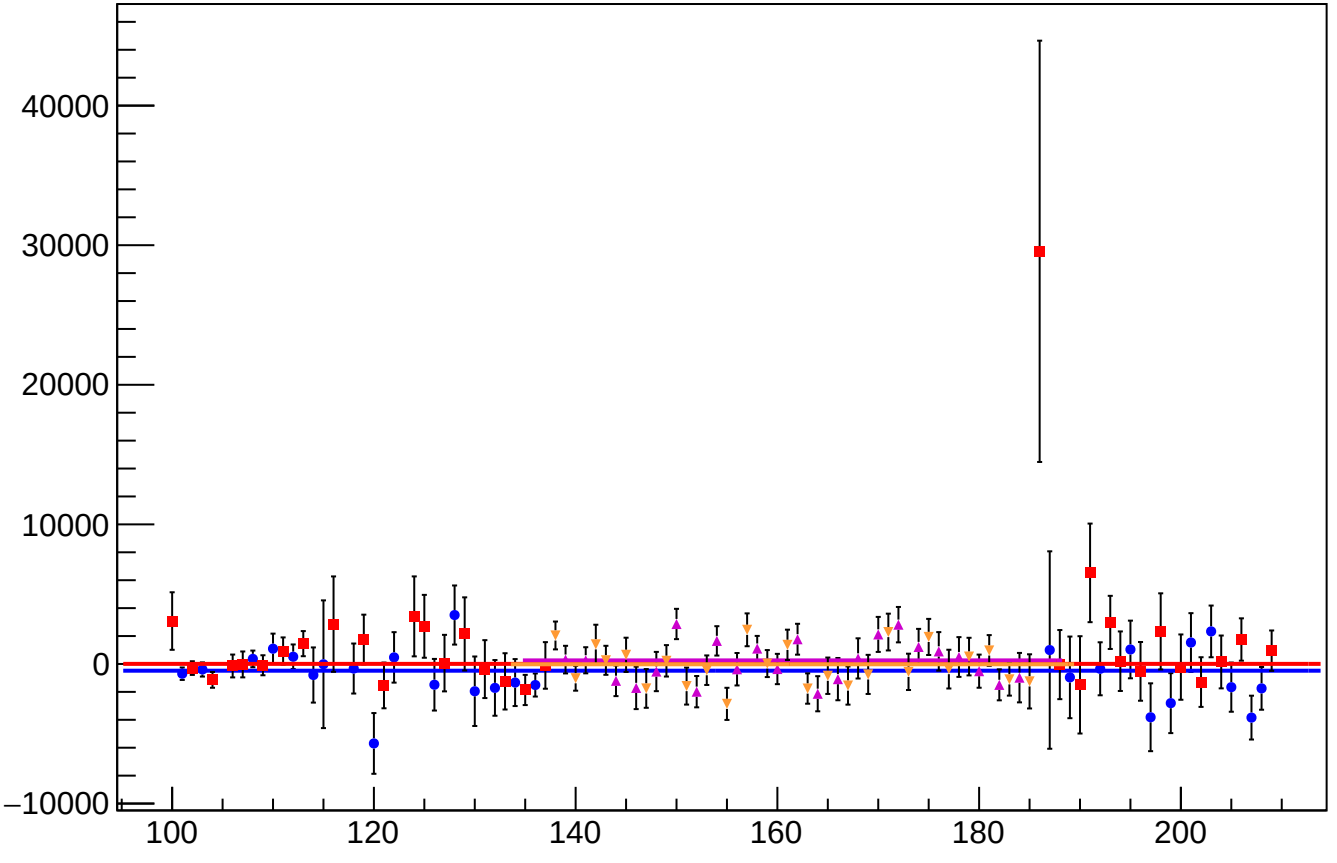
Right: 741.595+/-0.112 χ^2/NDF: 21890613.3/58

In: 877.766+/-0.118 χ^2/NDF:13012340.8/49

Out: 892.945+/-0.116 χ^2/NDF:13755840.1/56

All: 885.506+/-0.083 χ^2/NDF: 26776561.9/10

asym_sam6_mean vs Slug, Sign Corrected



Right In: -482.759+/-221.231 χ^2/NDF: 30.7/26

Left Out: -21.861+/-237.972 χ^2/NDF:34.5/24

Right Out: 5.920+/-220.891 χ^2/NDF: 32.7/31

Left In: 255.399+/-247.203 χ^2/NDF:33.6/22

Left: 111.496+/-171.442 χ^2/NDF: 68.7/47

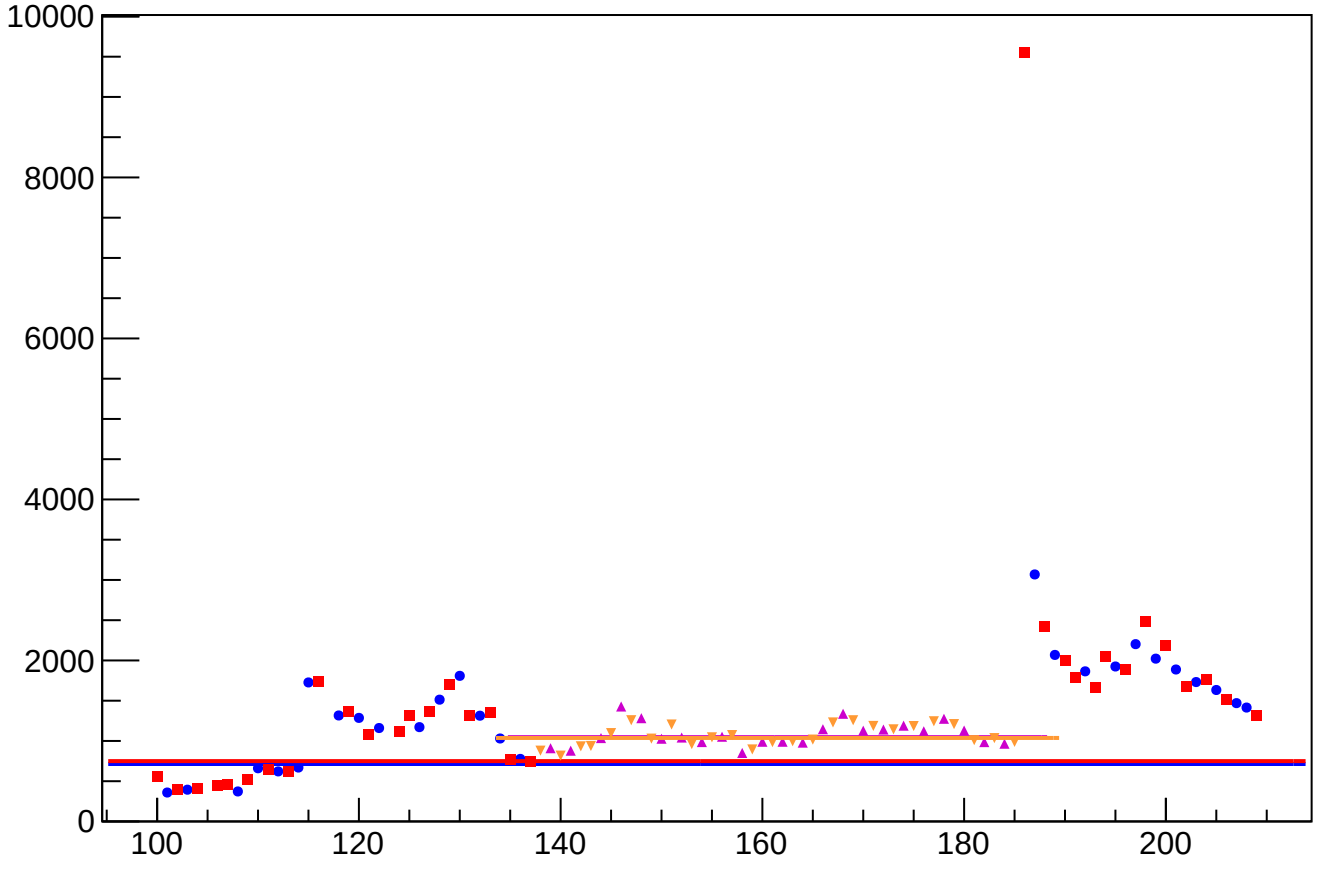
Right: -238.044+/-156.314 χ^2/NDF: 65.8/58

In: -154.481+/-164.854 χ^2/NDF:69.2/49

Out: -6.938+/-161.896 χ^2/NDF:67.2/56

All: -79.374+/-115.509 χ^2/NDF: 136.8/106

asym_sam6_rms vs Slug, Sign Corrected



Right In: 713.754+/-0.156 χ^2/NDF: 10594564.8/26

Left Out: 1037.324+/-0.168 χ^2/NDF:585511.9/24

Right Out: 749.593+/-0.156 χ^2/NDF: 11296836.9/31

Left In: 1047.629+/-0.175 χ^2/NDF:613357.0/22

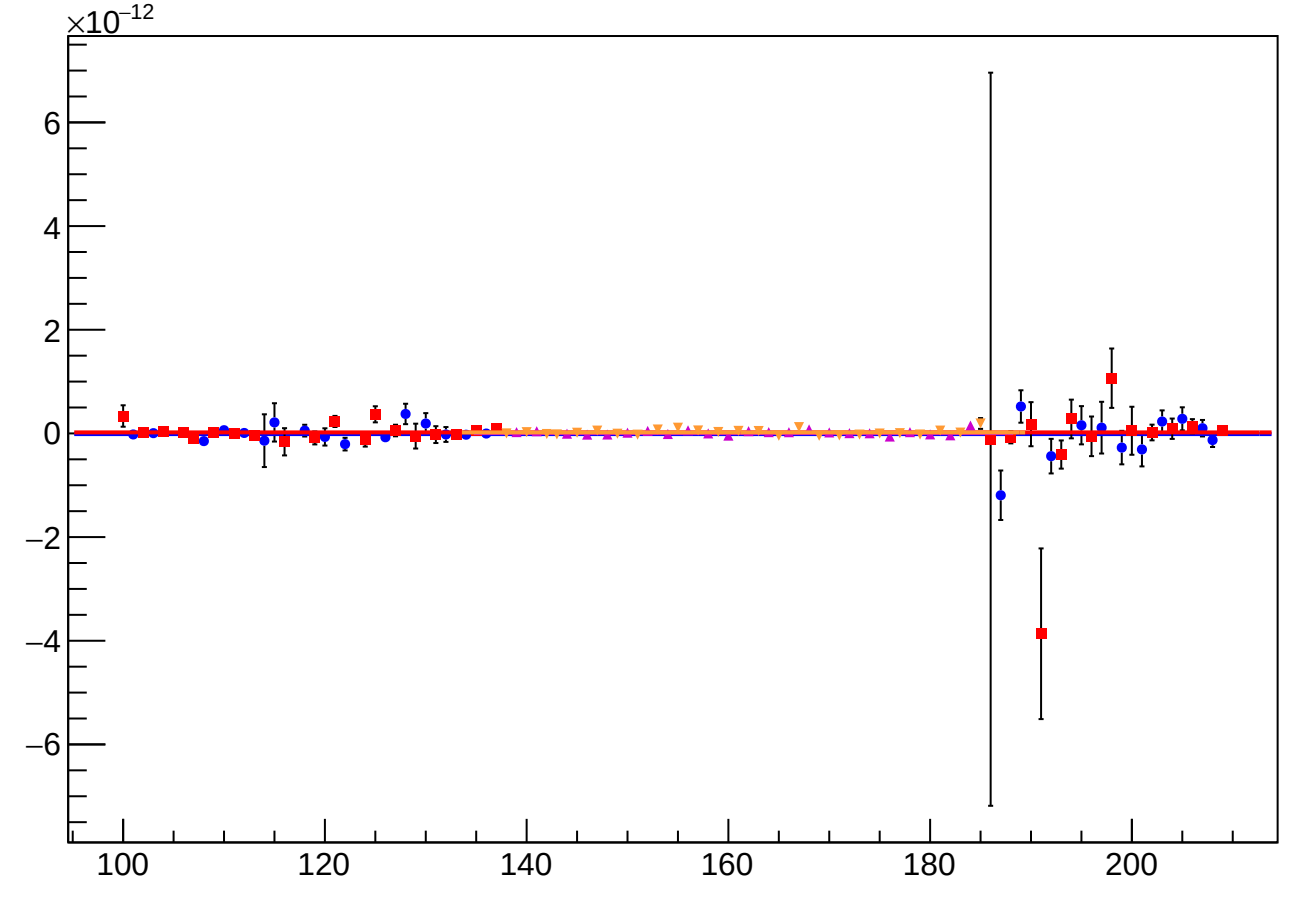
Left: 1042.281+/-0.121 χ^2/NDF: 1200672.6/47

Right: 731.701+/-0.111 χ^2/NDF: 21917685.2/58

In: 862.237+/-0.117 χ^2/NDF:13233736.8/49

Out: 882.763+/-0.114 χ^2/NDF:13452955.9/56

All: 872.686+/-0.082 χ^2/NDF: 26702476.3/10



Right In: -0.000+/-0.000 χ^2/NDF: 32.6/26

Left Out: 0.000+/-0.000 χ^2/NDF:30.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 33.5/31

Left In: 0.000+/-0.000 χ^2/NDF:18.6/22

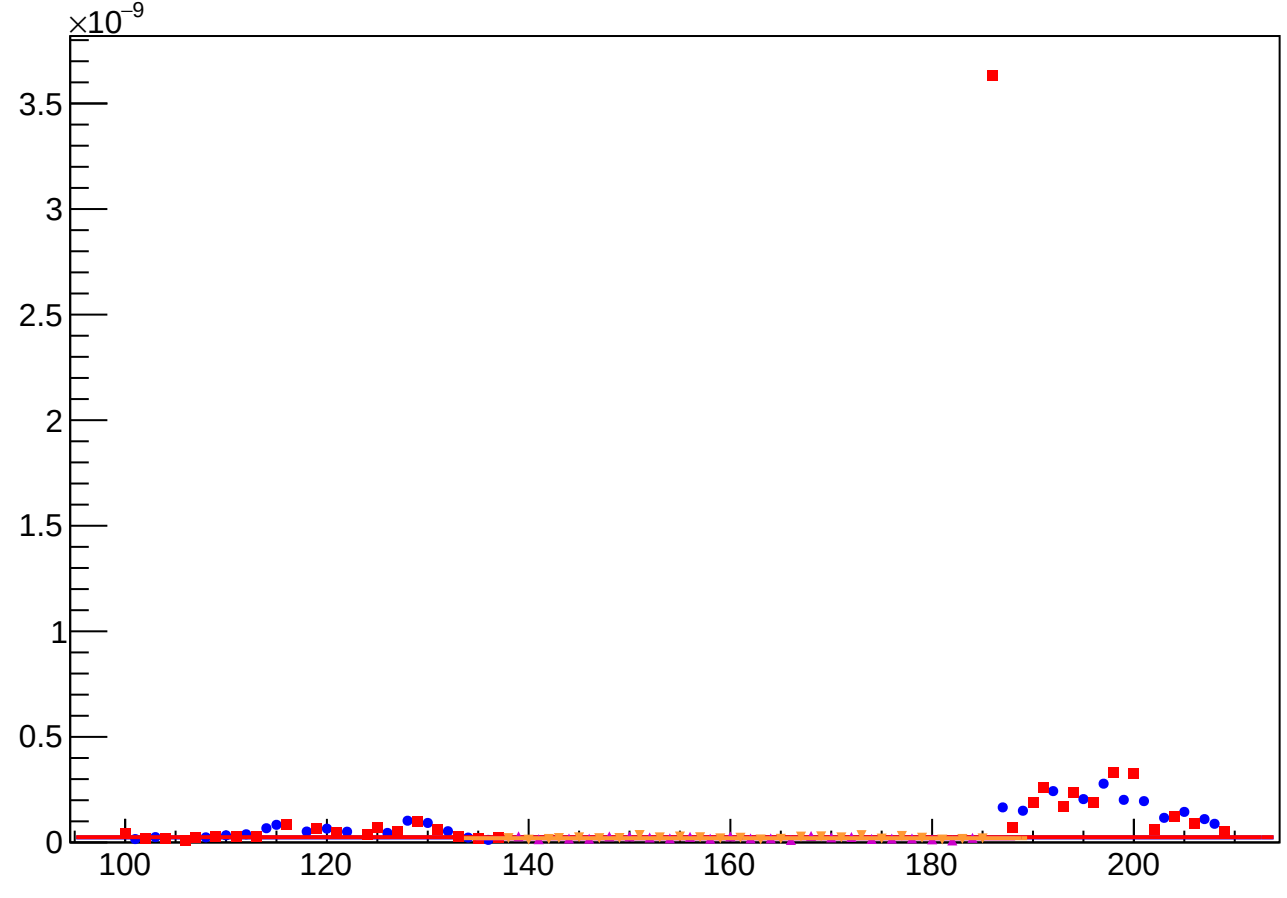
Left: 0.000+/-0.000 χ^2/NDF: 50.1/47

Right: 0.000+/-0.000 χ^2/NDF: 69.2/58

In: 0.000+/-0.000 χ^2/NDF:52.9/49

Out: 0.000+/-0.000 χ^2/NDF:63.5/56

All: 0.000+/-0.000 χ^2/NDF: 120.2/106



Right In: 0.000+/-0.000 χ^2/NDF: 7714842.9/26

Left Out: 0.000+/-0.000 χ^2/NDF:993542.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 7437988.7/31

Left In: 0.000+/-0.000 χ^2/NDF:1048721.4/22

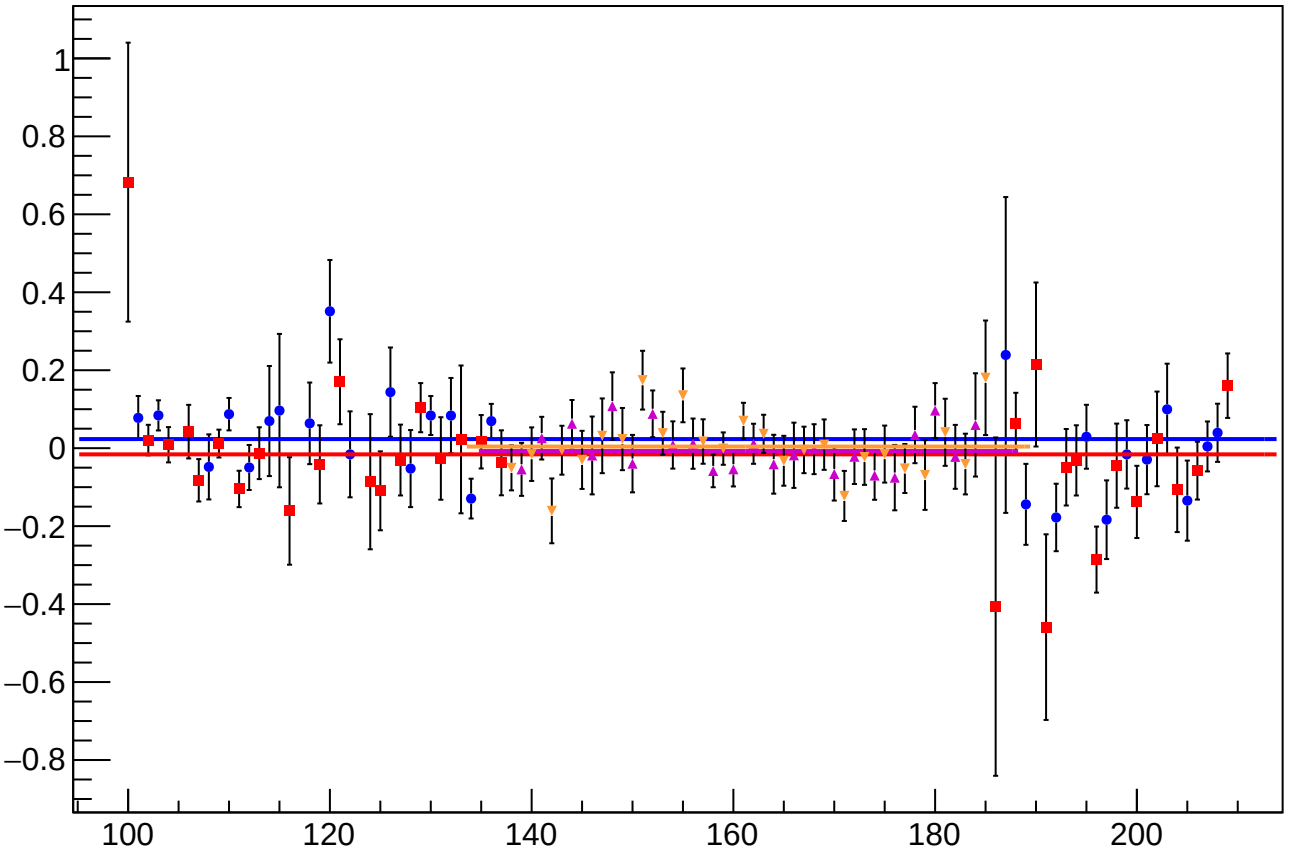
Left: 0.000+/-0.000 χ^2/NDF: 2058189.4/47

Right: 0.000+/-0.000 χ^2/NDF: 15162466.9/58

In: 0.000+/-0.000 χ^2/NDF:8951487.1/49

Out: 0.000+/-0.000 χ^2/NDF:8631679.1/56

All: 0.000+/-0.000 χ^2/NDF: 17603019.0/106



Right In: 0.023+/-0.014 χ^2/NDF: 44.4/26

Left Out: 0.004+/-0.013 χ^2/NDF:24.8/24

Right Out: -0.016+/-0.013 χ^2/NDF: 44.7/31

Left In: -0.007+/-0.014 χ^2/NDF:15.1/22

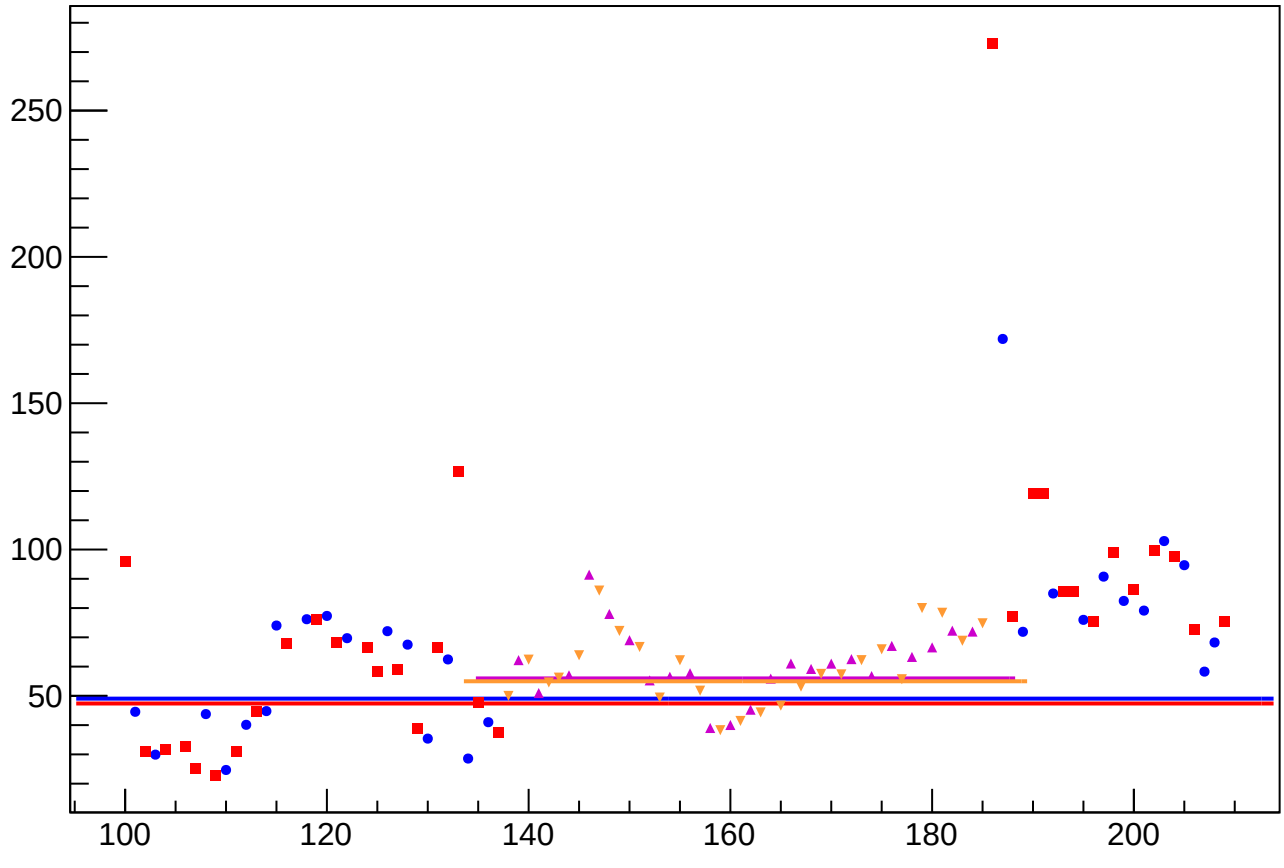
Left: -0.001+/-0.009 χ^2/NDF: 40.2/47

Right: 0.003+/-0.010 χ^2/NDF: 93.2/58

In: 0.008+/-0.010 χ^2/NDF:61.9/49

Out: -0.006+/-0.009 χ^2/NDF:70.7/56

All: 0.001+/-0.007 χ^2/NDF: 133.6/106



Right In: 49.052+/-0.010 χ^2/NDF: 4994177.9/26

Left Out: 54.986+/-0.009 χ^2/NDF:1566844.0/24

Right Out: 47.392+/-0.009 χ^2/NDF: 7286385.3/31

Left In: 55.956+/-0.010 χ^2/NDF:1406142.1/22

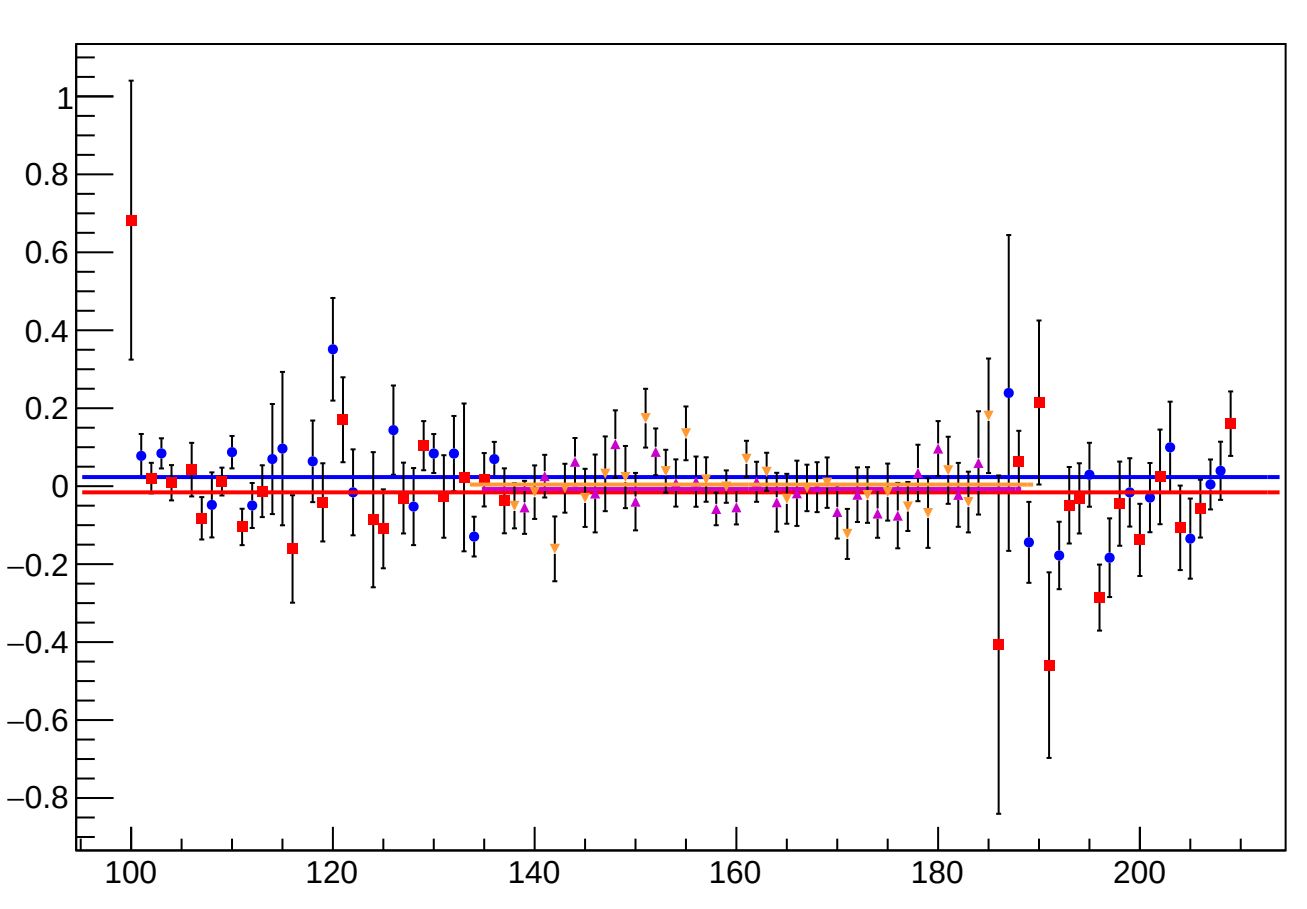
Left: 55.451+/-0.007 χ^2/NDF: 2978352.9/47

Right: 48.191+/-0.007 χ^2/NDF: 12295498.7/58

In: 52.585+/-0.007 χ^2/NDF:6655074.4/49

Out: 51.296+/-0.007 χ^2/NDF:9187200.1/56

All: 51.915+/-0.005 χ^2/NDF: 15860737.4/106



Right In: 0.023+/-0.014 χ^2/NDF: 44.4/26

Left Out: 0.004+/-0.013 χ^2/NDF:24.8/24

Right Out: -0.016+/-0.013 χ^2/NDF: 44.7/31

Left In: -0.007+/-0.014 χ^2/NDF:15.1/22

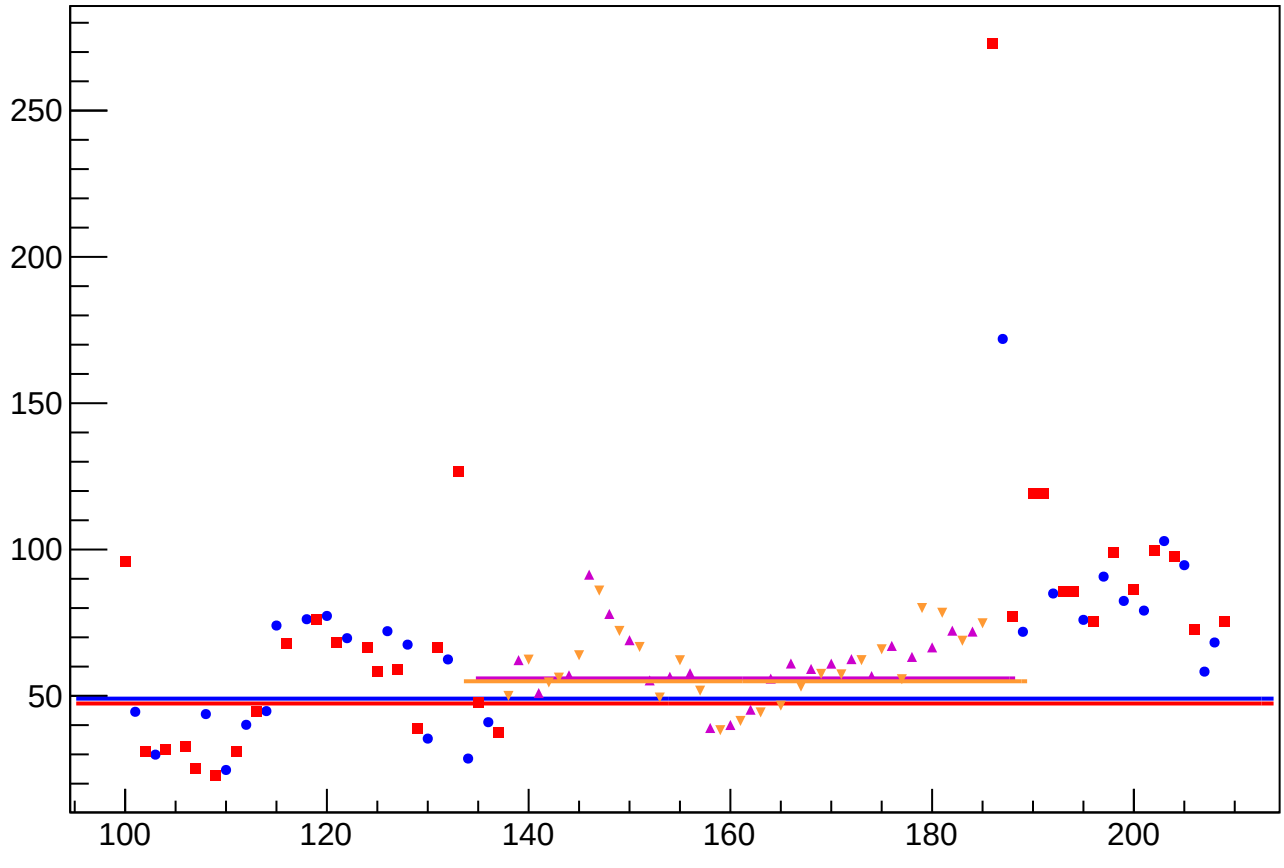
Left: -0.001+/-0.009 χ^2/NDF: 40.2/47

Right: 0.003+/-0.010 χ^2/NDF: 93.2/58

In: 0.008+/-0.010 χ^2/NDF:61.9/49

Out: -0.006+/-0.009 χ^2/NDF:70.7/56

All: 0.001+/-0.007 χ^2/NDF: 133.6/106



Right In: 49.052+/-0.010 χ^2/NDF: 4994177.9/26

Left Out: 54.986+/-0.009 χ^2/NDF:1566844.0/24

Right Out: 47.392+/-0.009 χ^2/NDF: 7286385.3/31

Left In: 55.956+/-0.010 χ^2/NDF:1406142.1/22

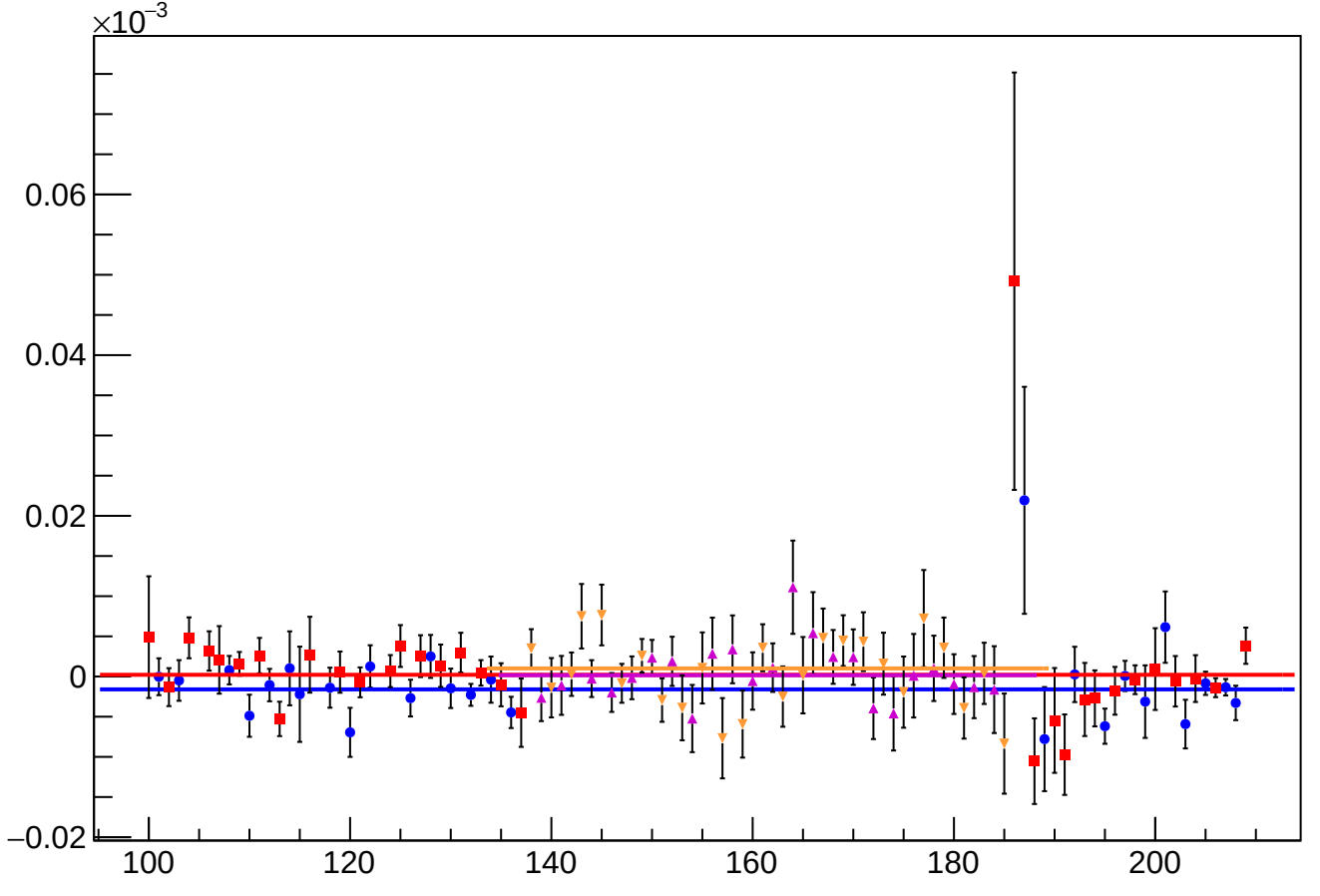
Left: 55.451+/-0.007 χ^2/NDF: 2978352.9/47

Right: 48.191+/-0.007 χ^2/NDF: 12295498.7/58

In: 52.585+/-0.007 χ^2/NDF:6655074.4/49

Out: 51.296+/-0.007 χ^2/NDF:9187200.1/56

All: 51.915+/-0.005 χ^2/NDF: 15860737.4/106



Right In: -0.000+/-0.000 χ^2/NDF: 29.2/26

Left Out: 0.000+/-0.000 χ^2/NDF:28.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 39.1/31

Left In: 0.000+/-0.000 χ^2/NDF:14.0/22

Left: 0.000+/-0.000 χ^2/NDF: 43.3/47

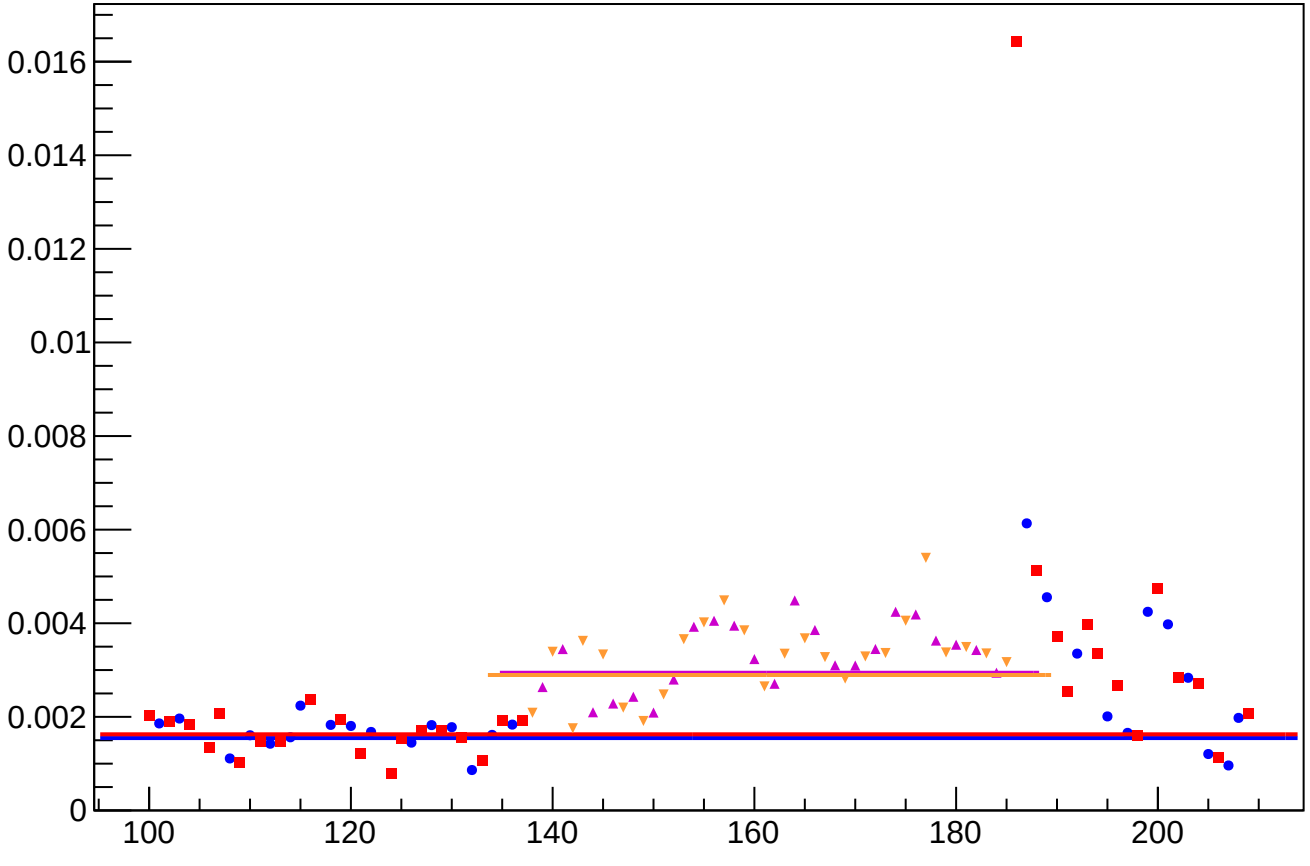
Right: -0.000+/-0.000 χ^2/NDF: 77.1/58

In: -0.000+/-0.000 χ^2/NDF:47.7/49

Out: 0.000+/-0.000 χ^2/NDF:68.6/56

All: -0.000+/-0.000 χ^2/NDF: 125.4/106

asym_sam6_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.002+/-0.000 χ^2/NDF: 4687166.9/26

Left Out: 0.003+/-0.000 χ^2/NDF:2642911.8/24

Right Out: 0.002+/-0.000 χ^2/NDF: 6079429.9/31

Left In: 0.003+/-0.000 χ^2/NDF:1890470.3/22

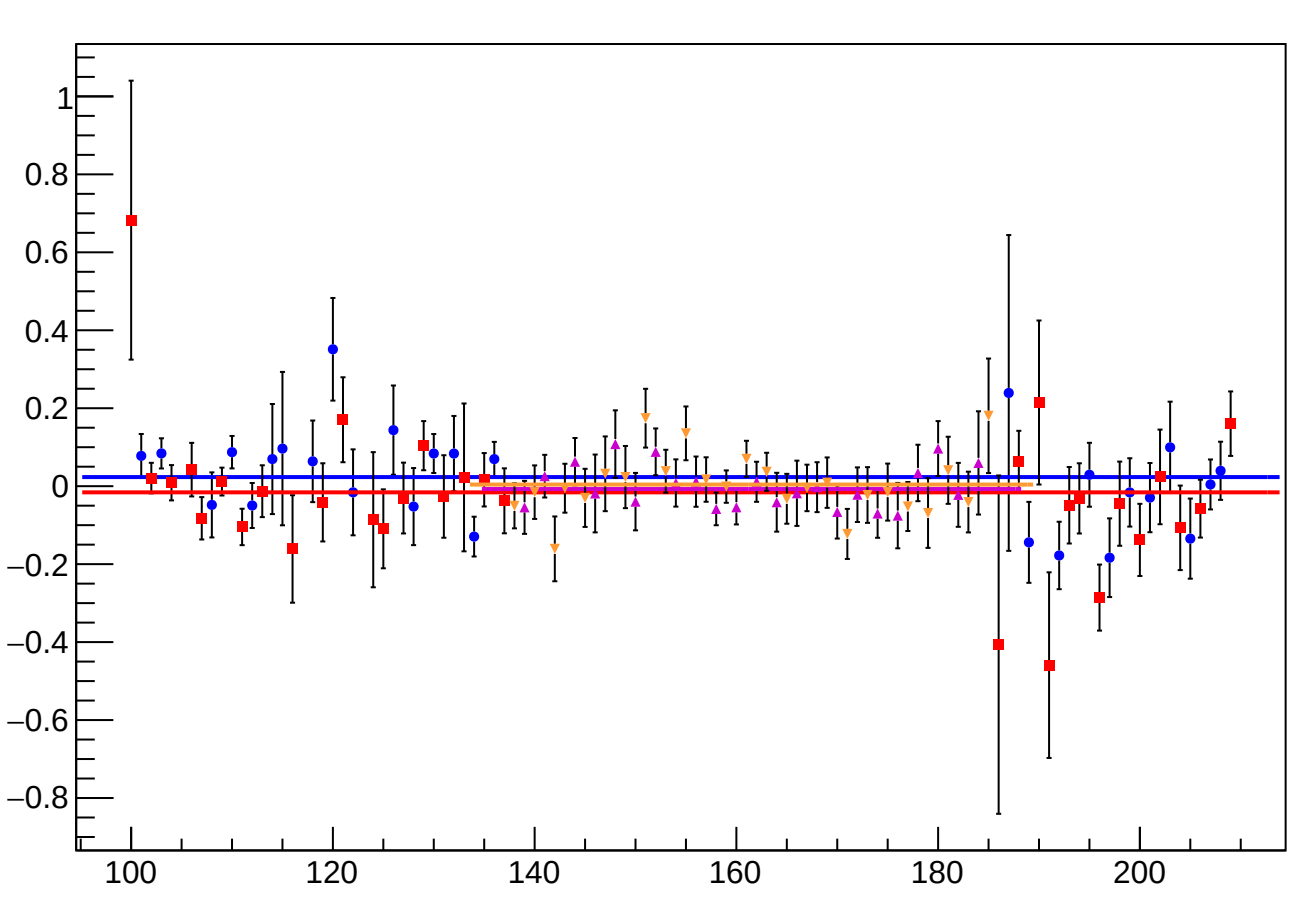
Left: 0.003+/-0.000 χ^2/NDF: 4538040.8/47

Right: 0.002+/-0.000 χ^2/NDF: 10801077.6/58

In: 0.002+/-0.000 χ^2/NDF:12233114.2/49

Out: 0.002+/-0.000 χ^2/NDF:13568601.6/56

All: 0.002+/-0.000 χ^2/NDF: 25841613.5/106



Right In: 0.023+/-0.014 χ^2/NDF: 44.4/26

Left Out: 0.004+/-0.013 χ^2/NDF:24.8/24

Right Out: -0.016+/-0.013 χ^2/NDF: 44.7/31

Left In: -0.007+/-0.014 χ^2/NDF:15.1/22

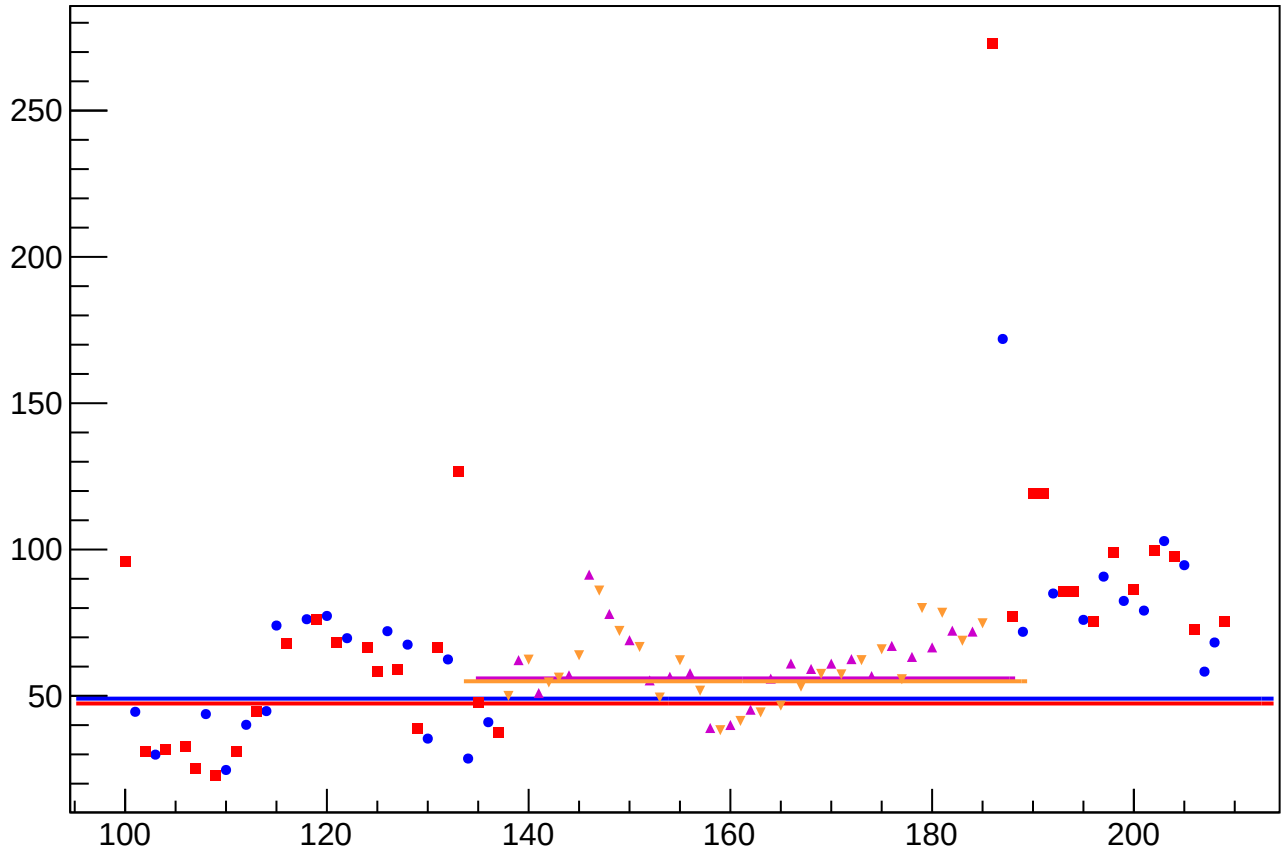
Left: -0.001+/-0.009 χ^2/NDF: 40.2/47

Right: 0.003+/-0.010 χ^2/NDF: 93.2/58

In: 0.008+/-0.010 χ^2/NDF:61.9/49

Out: -0.006+/-0.009 χ^2/NDF:70.7/56

All: 0.001+/-0.007 χ^2/NDF: 133.6/106



Right In: 49.051+/-0.010 χ^2/NDF: 4994296.9/26

Left Out: 54.985+/-0.009 χ^2/NDF:1566963.9/24

Right Out: 47.391+/-0.009 χ^2/NDF: 7286394.8/31

Left In: 55.955+/-0.010 χ^2/NDF:1406309.5/22

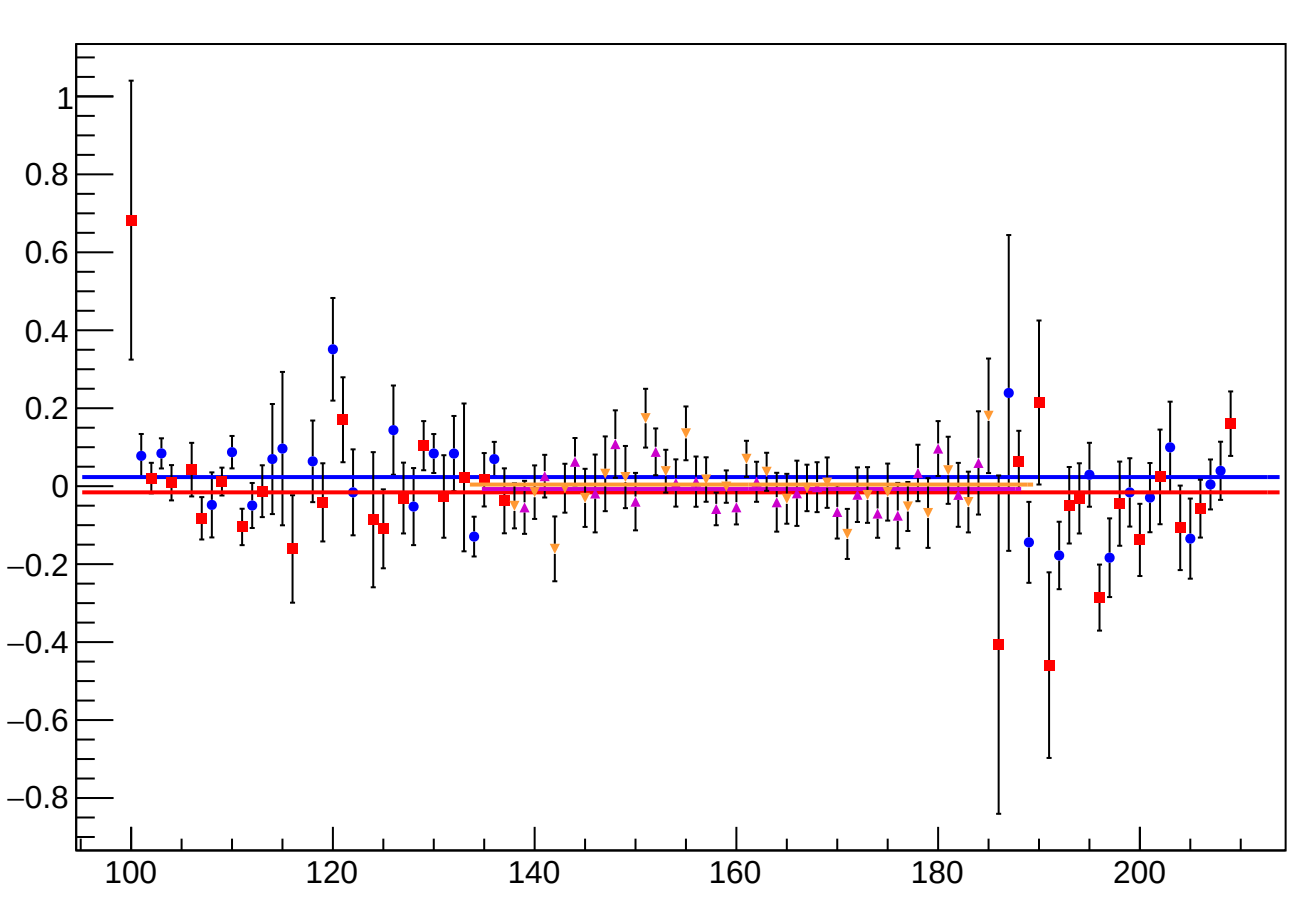
Left: 55.449+/-0.007 χ^2/NDF: 2978638.3/47

Right: 48.190+/-0.007 χ^2/NDF: 12295623.0/58

In: 52.584+/-0.007 χ^2/NDF:6655325.5/49

Out: 51.296+/-0.007 χ^2/NDF:9187280.7/56

All: 51.914+/-0.005 χ^2/NDF: 15861063.4/106



Right In: 0.023+/-0.014 χ^2/NDF: 44.4/26

Left Out: 0.004+/-0.013 χ^2/NDF:24.8/24

Right Out: -0.016+/-0.013 χ^2/NDF: 44.7/31

Left In: -0.007+/-0.014 χ^2/NDF:15.1/22

Left: -0.001+/-0.009 χ^2/NDF: 40.2/47

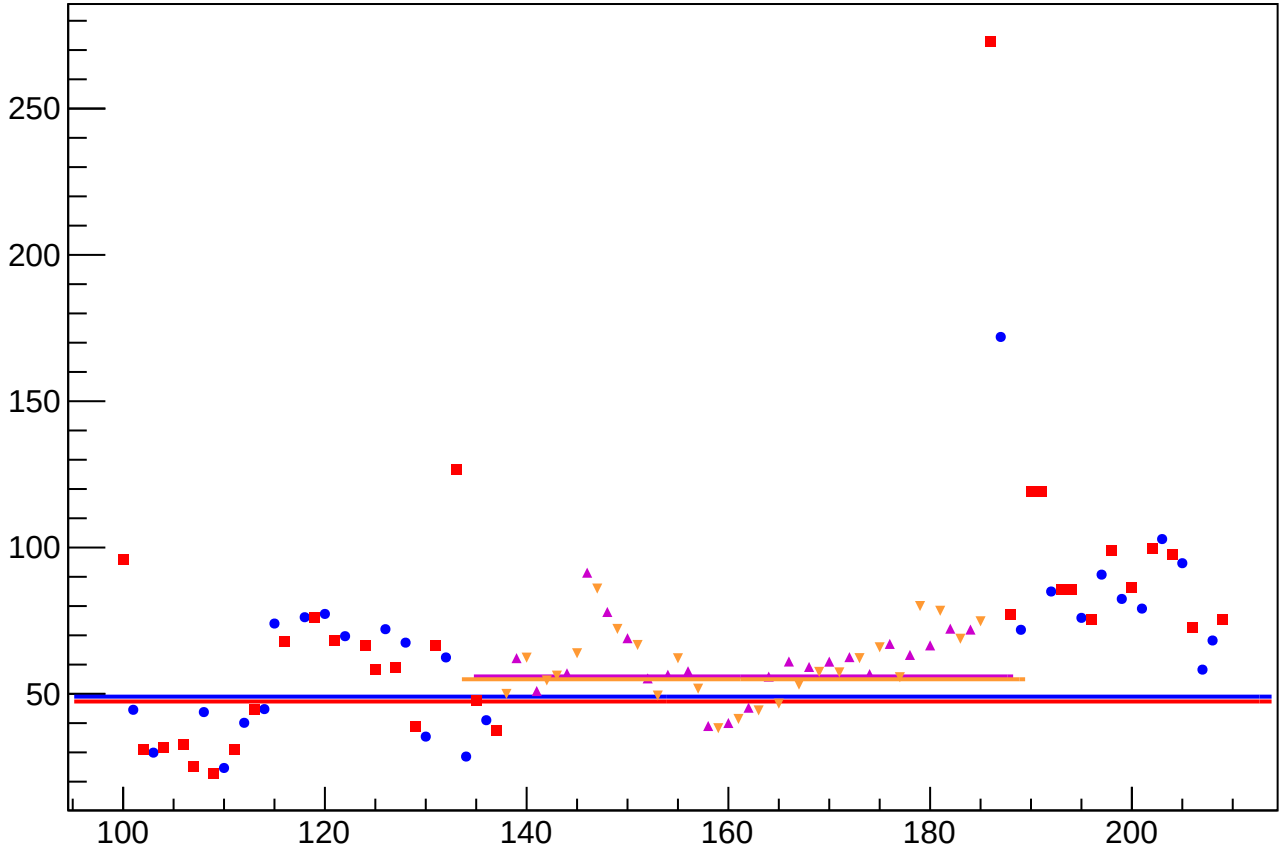
Right: 0.003+/-0.010 χ^2/NDF: 93.2/58

In: 0.008+/-0.010 χ^2/NDF:61.9/49

Out: -0.006+/-0.009 χ^2/NDF:70.7/56

All: 0.001+/-0.007 χ^2/NDF: 133.6/106

asym_sam6_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 49.051+/-0.010 χ^2/NDF: 4994296.9/26

Left Out: 54.985+/-0.009 χ^2/NDF:1566963.9/24

Right Out: 47.391+/-0.009 χ^2/NDF: 7286394.8/31

Left In: 55.955+/-0.010 χ^2/NDF:1406309.5/22

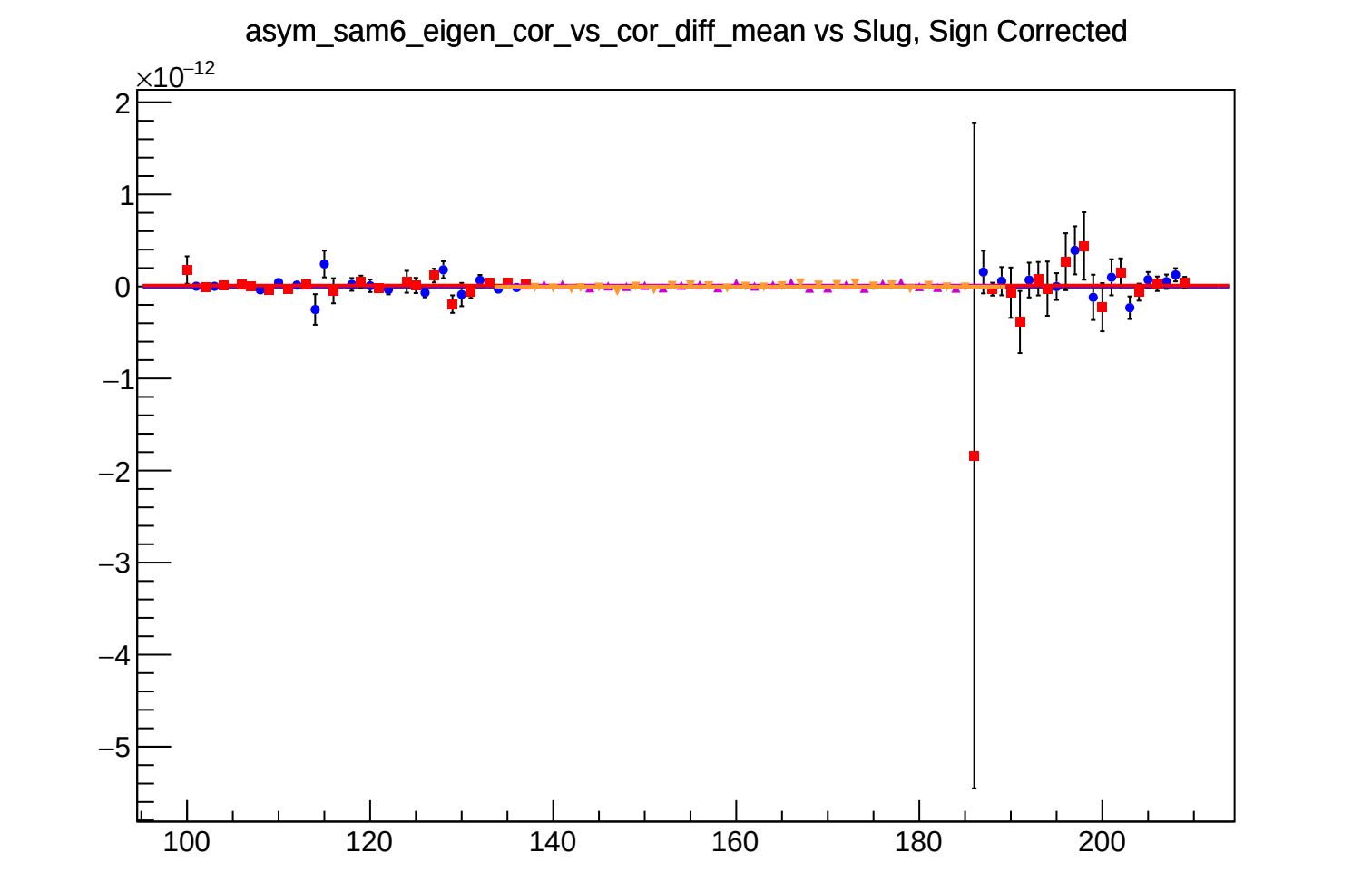
Left: 55.449+/-0.007 χ^2/NDF: 2978638.3/47

Right: 48.190+/-0.007 χ^2/NDF: 12295623.0/58

In: 52.584+/-0.007 χ^2/NDF:6655325.5/49

Out: 51.296+/-0.007 χ^2/NDF:9187280.7/56

All: 51.914+/-0.005 χ^2/NDF: 15861063.4/106



Right In: -0.000+/-0.000 χ^2/NDF: 28.1/26

Left Out: -0.000+/-0.000 χ^2/NDF:19.3/24

Right Out: 0.000+/-0.000 χ^2/NDF: 22.6/31

Left In: 0.000+/-0.000 χ^2/NDF:21.9/22

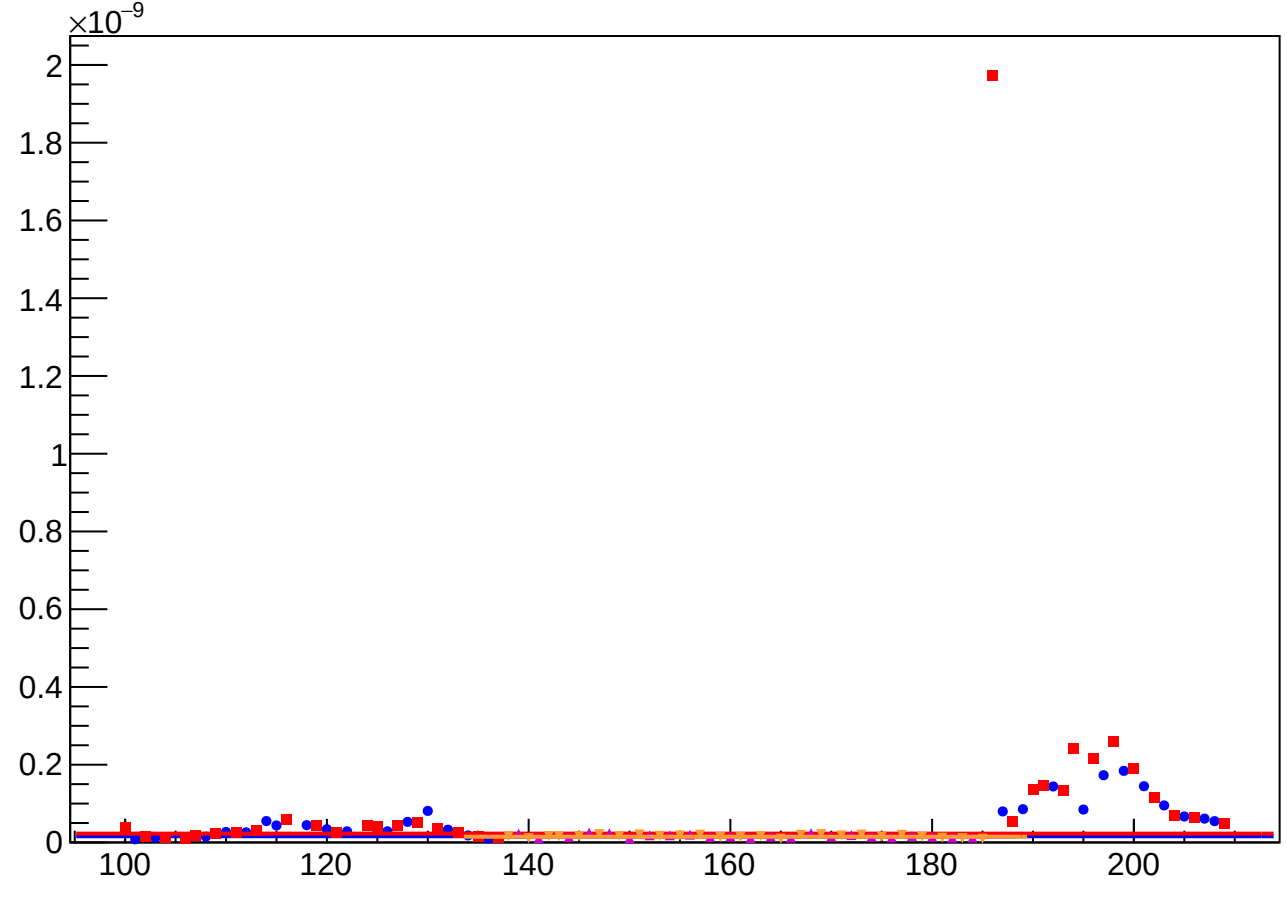
Left: 0.000+/-0.000 χ^2/NDF: 43.6/47

Right: 0.000+/-0.000 χ^2/NDF: 51.7/58

In: 0.000+/-0.000 χ^2/NDF:51.0/49

Out: -0.000+/-0.000 χ^2/NDF:43.4/56

All: 0.000+/-0.000 χ^2/NDF: 95.3/106



Right In: 0.000+/-0.000 χ^2/NDF: 10692765.2/26

Left Out: 0.000+/-0.000 χ^2/NDF:1401850.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 10461870.7/31

Left In: 0.000+/-0.000 χ^2/NDF:1427121.6/22

Left: 0.000+/-0.000 χ^2/NDF: 2830255.7/47

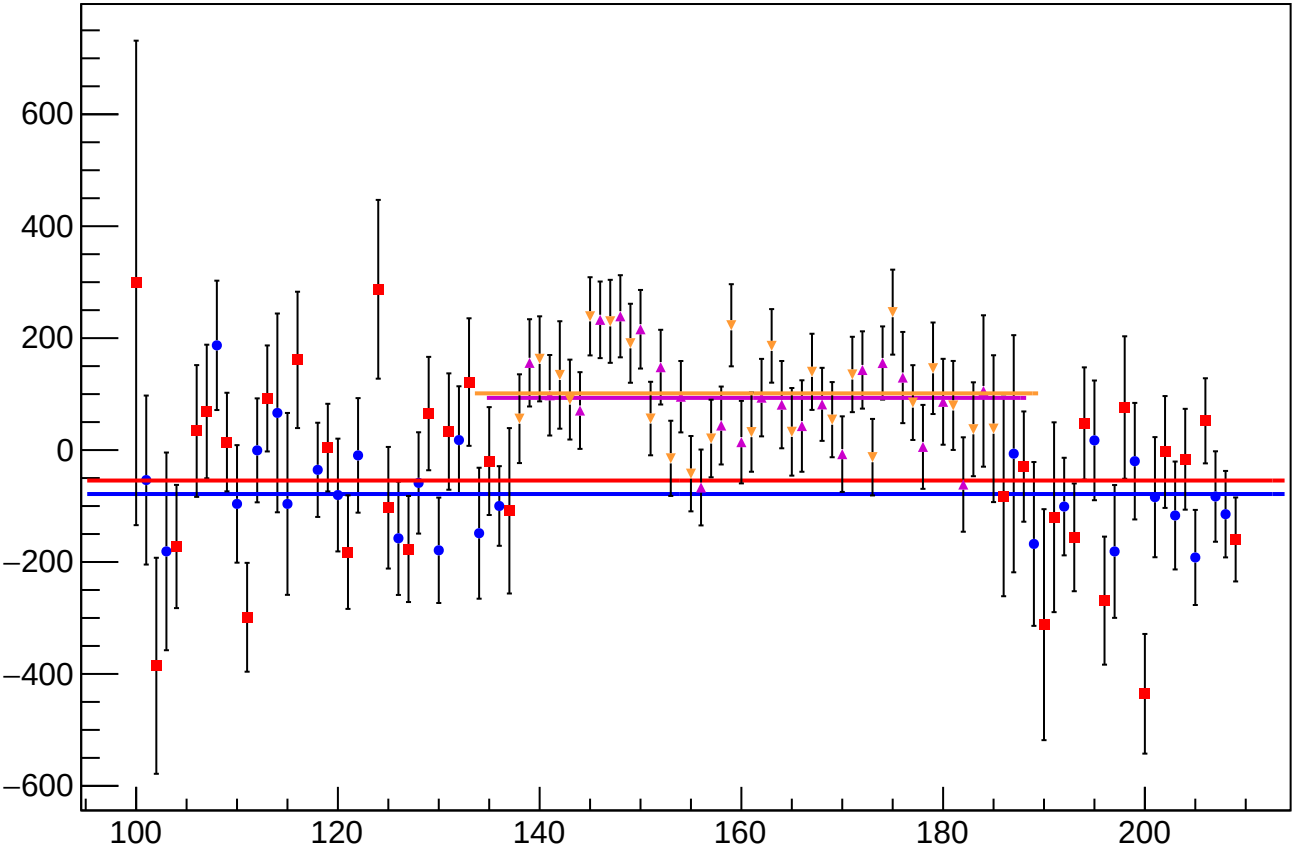
Right: 0.000+/-0.000 χ^2/NDF: 21852303.8/58

In: 0.000+/-0.000 χ^2/NDF:12155057.6/49

Out: 0.000+/-0.000 χ^2/NDF:13200635.0/56

All: 0.000+/-0.000 χ^2/NDF: 25422486.5/106

reg_asym_sam7_mean vs Slug, Sign Corrected



Right In: -78.523+/-19.695 χ^2/NDF: 15.6/26

Left Out: 101.325+/-14.642 χ^2/NDF:33.9/24

Right Out: -54.421+/-18.945 χ^2/NDF: 57.8/31

Left In: 93.236+/-15.137 χ^2/NDF:28.8/22

Left: 97.415+/-10.524 χ^2/NDF: 62.9/47

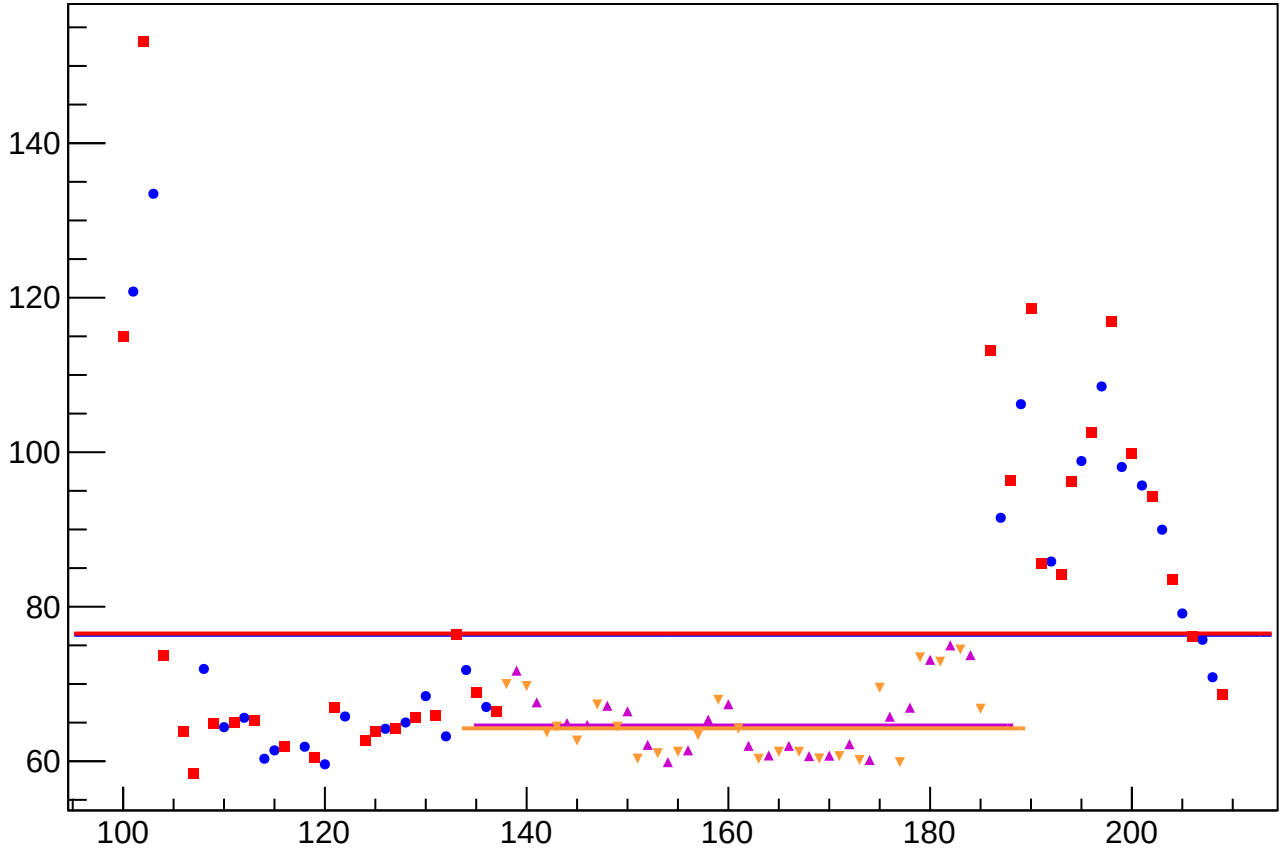
Right: -66.005+/-13.654 χ^2/NDF: 74.2/58

In: 29.454+/-12.001 χ^2/NDF:92.3/49

Out: 43.085+/-11.585 χ^2/NDF:134.0/56

All: 36.511+/-8.335 χ^2/NDF: 226.9/106

reg_asym_sam7_rms vs Slug, Sign Corrected



Right In: 76.369+/-0.014 χ^2/NDF: 1312832.5/26

Left Out: 64.256+/-0.010 χ^2/NDF:177697.9/24

Right Out: 76.528+/-0.013 χ^2/NDF: 1605658.2/31

Left In: 64.621+/-0.011 χ^2/NDF:147201.3/22

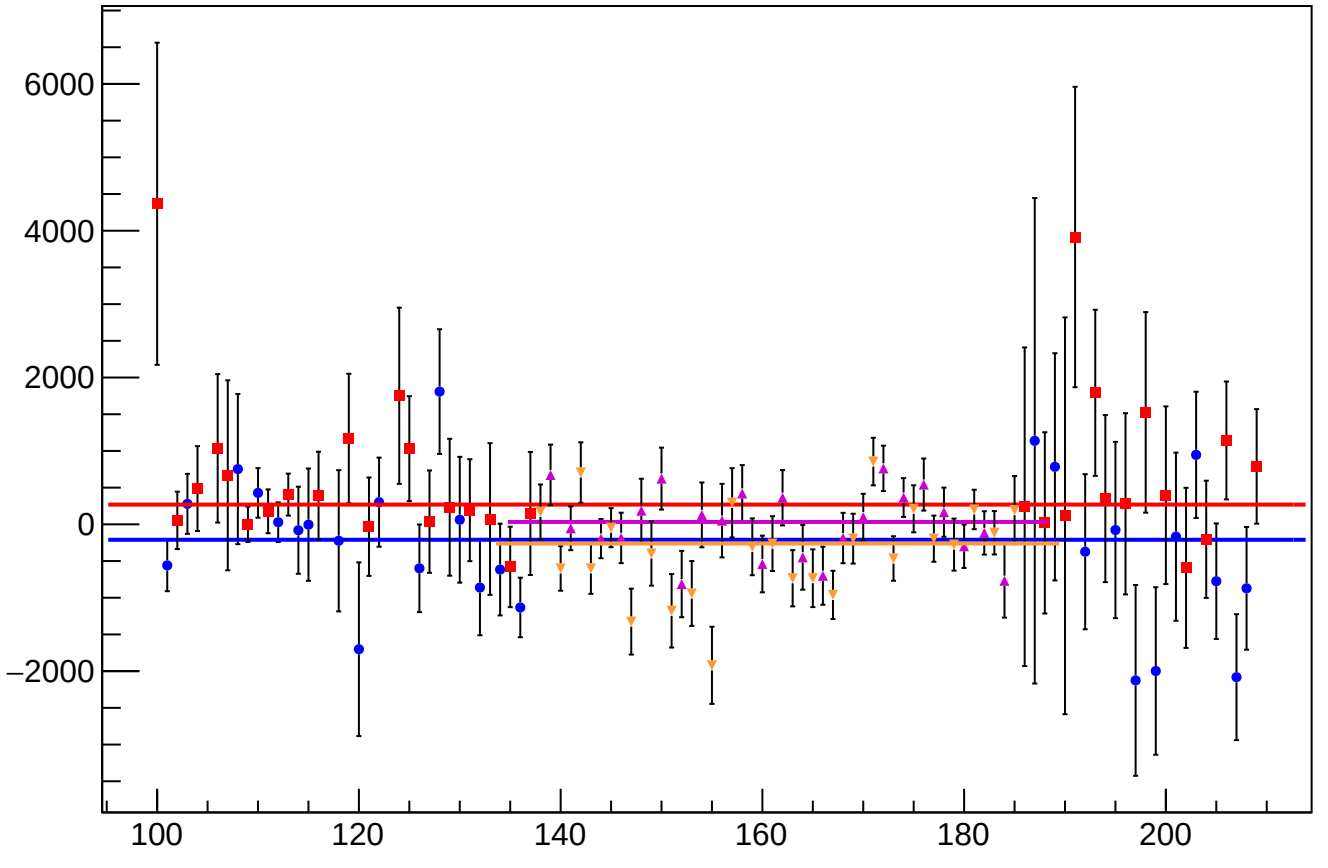
Left: 64.432+/-0.007 χ^2/NDF: 325501.9/47

Right: 76.451+/-0.010 χ^2/NDF: 2918558.8/58

In: 68.983+/-0.008 χ^2/NDF:1907364.8/49

Out: 68.845+/-0.008 χ^2/NDF:2308772.0/56

All: 68.912+/-0.006 χ^2/NDF: 4216275.3/106



Right In: -210.101+/-116.992 χ^2/NDF: 35.8/26

Left Out: -261.124+/-71.268 χ^2/NDF:58.8/24

Right Out: 269.071+/-110.191 χ^2/NDF: 21.2/31

Left In: 32.423+/-73.837 χ^2/NDF:31.7/22

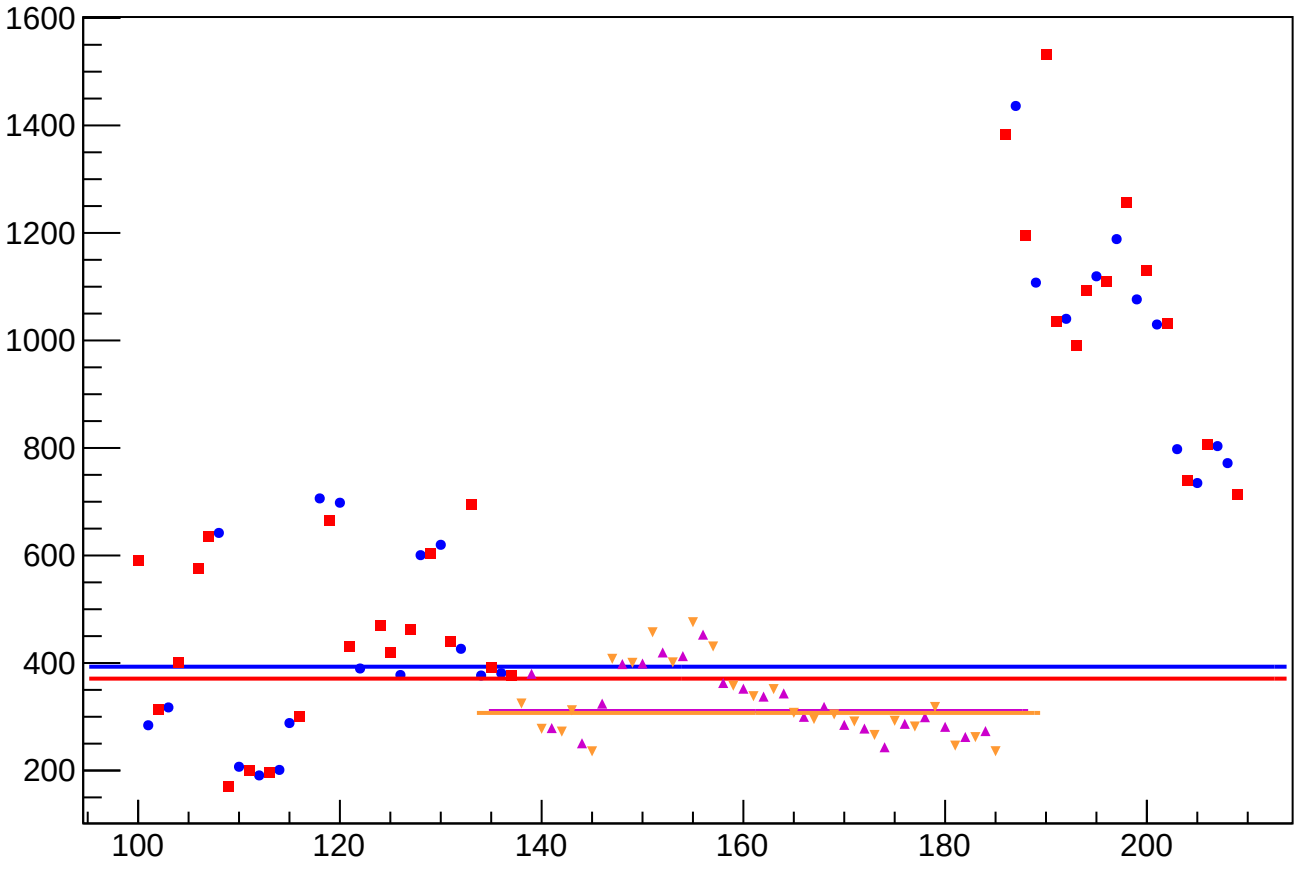
Left: -119.545+/-51.278 χ^2/NDF: 98.7/47

Right: 43.817+/-80.213 χ^2/NDF: 65.9/58

In: -36.662+/-62.441 χ^2/NDF:70.6/49

Out: -104.750+/-59.843 χ^2/NDF:96.3/56

All: -72.152+/-43.205 χ^2/NDF: 167.5/106



Right In: 393.123+/-0.083 χ^2/NDF: 8845876.5/26

Left Out: 307.143+/-0.050 χ^2/NDF:1320151.2/24

Right Out: 370.943+/-0.078 χ^2/NDF: 11490951.9/31

Left In: 310.697+/-0.052 χ^2/NDF:1079476.2/22

Left: 308.857+/-0.036 χ^2/NDF: 2402026.6/47

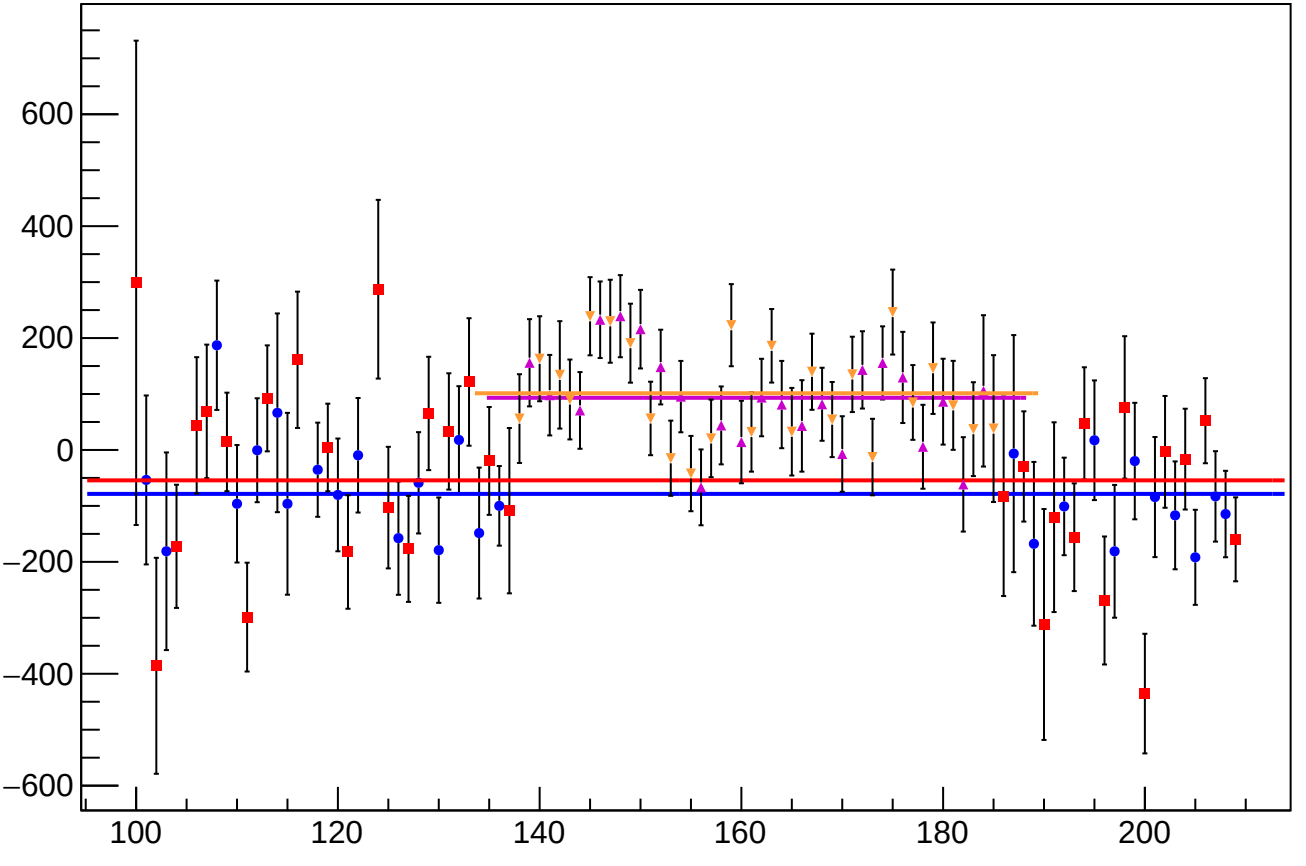
Right: 381.369+/-0.057 χ^2/NDF: 20374921.2/58

In: 334.177+/-0.044 χ^2/NDF:10635308.6/49

Out: 325.960+/-0.042 χ^2/NDF:13283820.4/56

All: 329.894+/-0.031 χ^2/NDF: 23937182.3/10

cor_asym_sam7_mean vs Slug, Sign Corrected



Right In: -78.526+/-19.695 χ^2/NDF: 15.6/26

Left Out: 101.325+/-14.642 χ^2/NDF:33.9/24

Right Out: -54.331+/-18.961 χ^2/NDF: 57.9/31

Left In: 93.235+/-15.137 χ^2/NDF:28.8/22

Left: 97.414+/-10.524 χ^2/NDF: 62.9/47

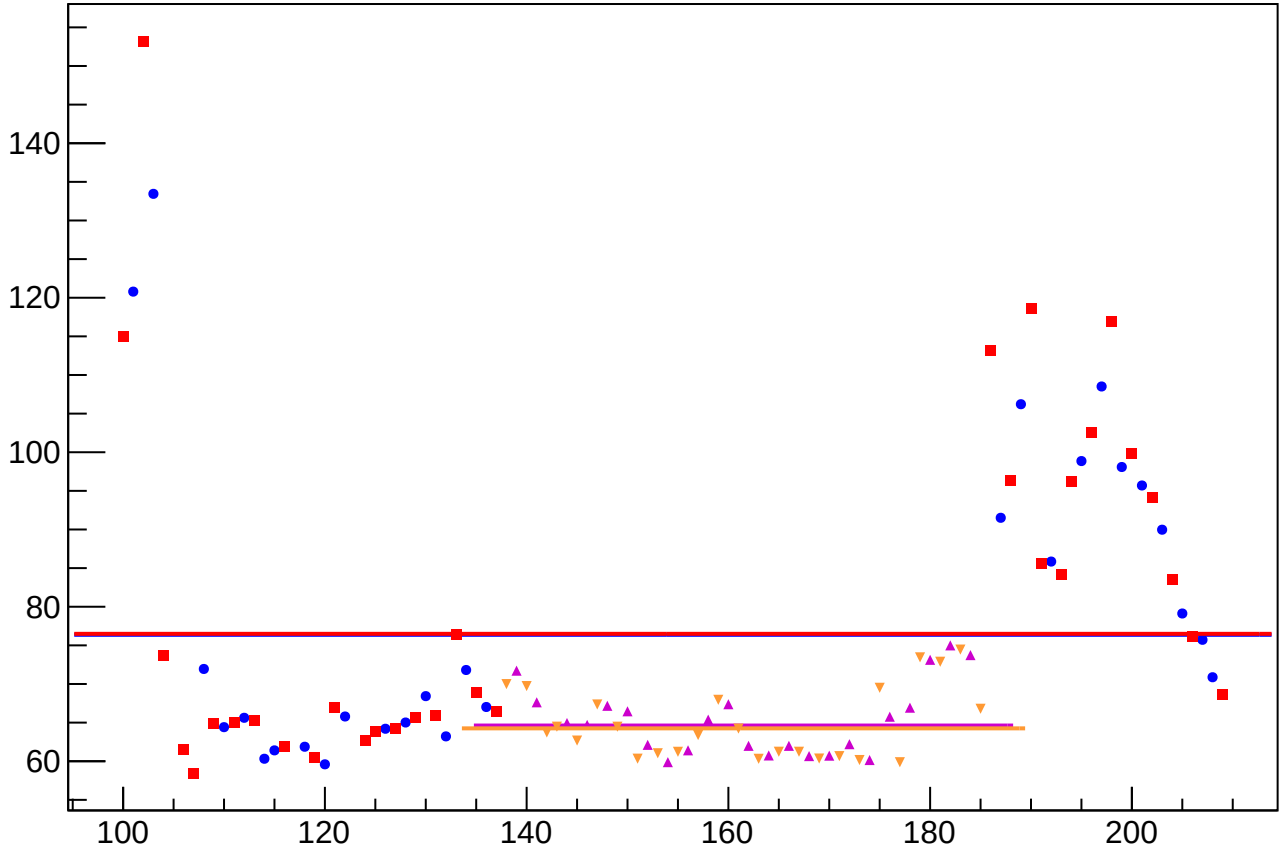
Right: -65.970+/-13.660 χ^2/NDF: 74.3/58

In: 29.453+/-12.001 χ^2/NDF:92.3/49

Out: 43.181+/-11.589 χ^2/NDF:134.0/56

All: 36.557+/-8.337 χ^2/NDF: 226.9/106

cor_asym_sam7_rms vs Slug, Sign Corrected



Right In: 76.369+/-0.014 χ^2/NDF: 1312832.8/26

Left Out: 64.256+/-0.010 χ^2/NDF:177697.9/24

Right Out: 76.492+/-0.013 χ^2/NDF: 1612947.5/31

Left In: 64.621+/-0.011 χ^2/NDF:147201.3/22

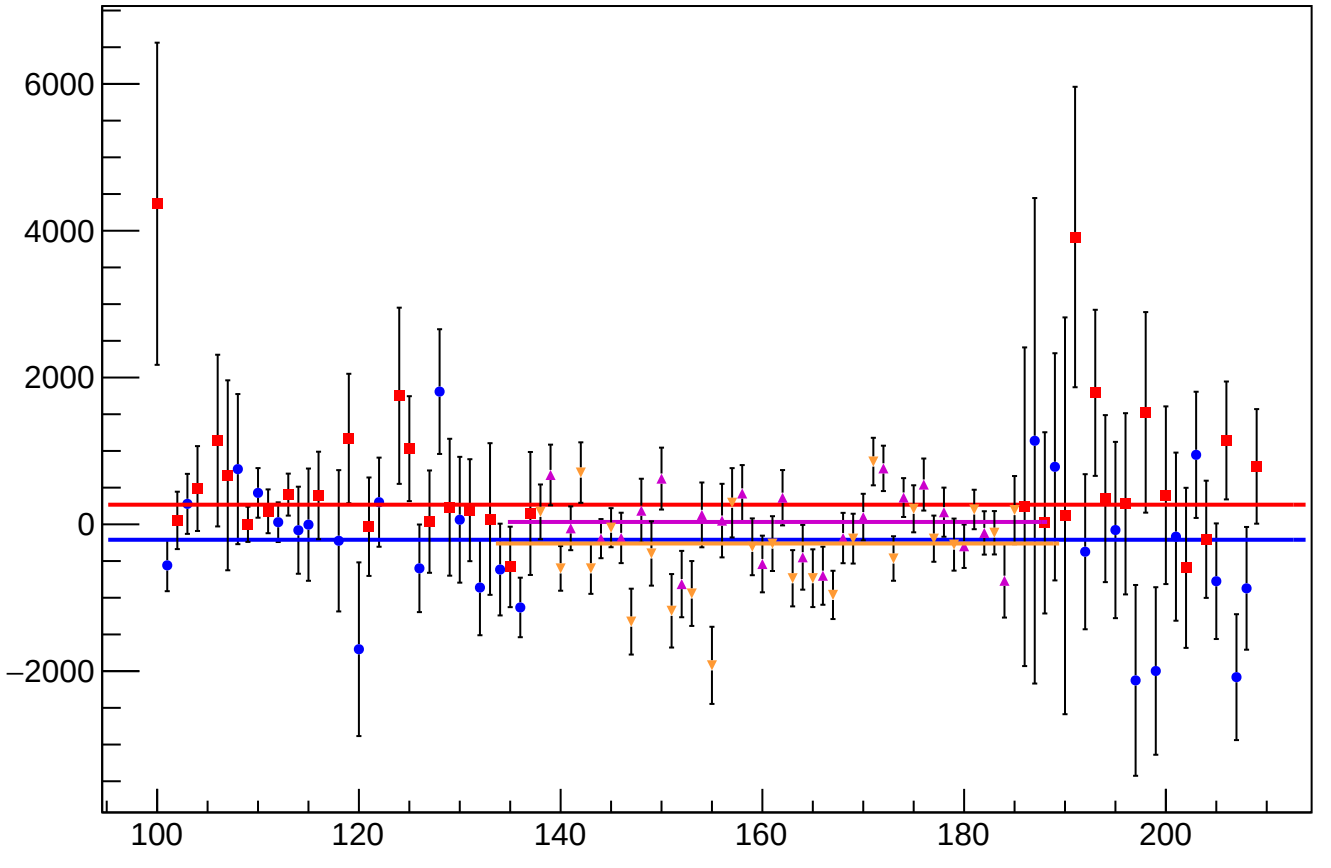
Left: 64.432+/-0.007 χ^2/NDF: 325501.9/47

Right: 76.433+/-0.010 χ^2/NDF: 2925821.3/58

In: 68.983+/-0.008 χ^2/NDF:1907365.2/49

Out: 68.826+/-0.008 χ^2/NDF:2312450.6/56

All: 68.902+/-0.006 χ^2/NDF: 4219992.9/106



Right In: -210.098+/-116.993 χ^2/NDF: 35.8/26

Left Out: -261.124+/-71.268 χ^2/NDF:58.8/24

Right Out: 267.723+/-110.360 χ^2/NDF: 21.2/31

Left In: 32.420+/-73.837 χ^2/NDF:31.7/22

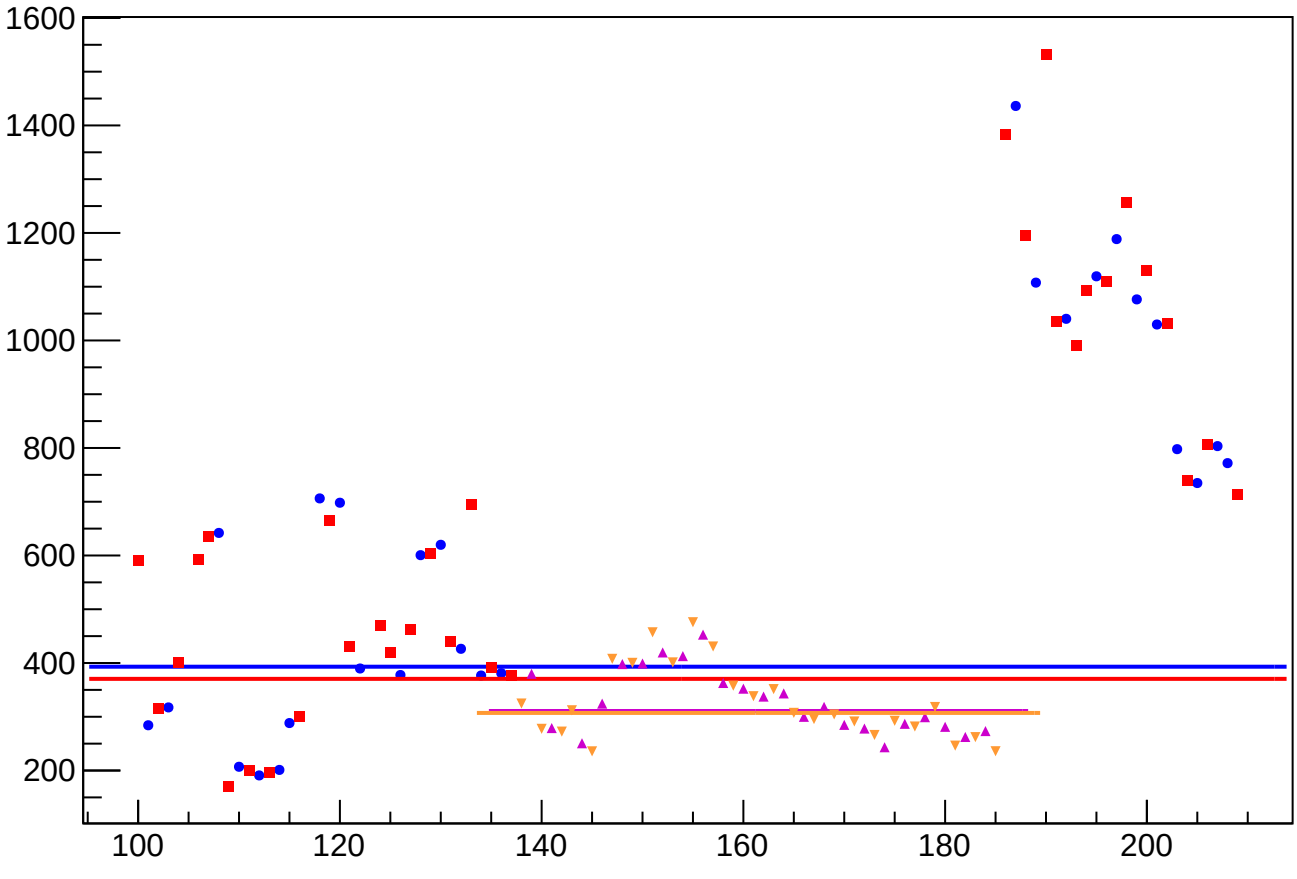
Left: -119.547+/-51.278 χ^2/NDF: 98.7/47

Right: 42.739+/-80.279 χ^2/NDF: 65.8/58

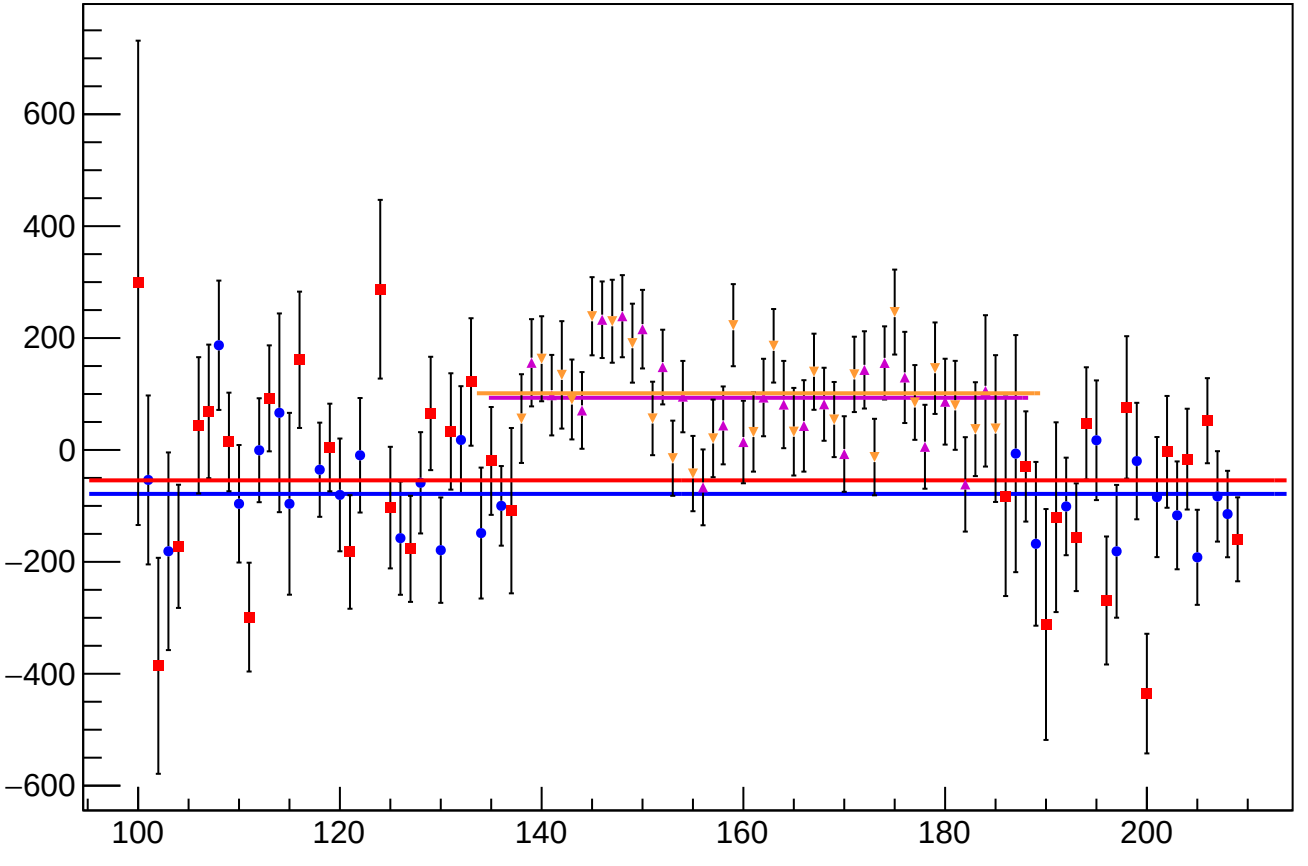
In: -36.663+/-62.441 χ^2/NDF:70.6/49

Out: -105.486+/-59.870 χ^2/NDF:96.2/56

All: -72.521+/-43.215 χ^2/NDF: 167.4/106


asym_sam7_cor_correction_rms vs Slug, Sign Corrected
1600
1400
1200
1000
800
600
400
200
100
120
140
160
180
200
Right In: 393.125+/-0.083 χ²/NDF: 8845828.0/26
Left Out: 307.143+/-0.050 χ²/NDF:1320147.4/24
Right Out: 370.505+/-0.078 χ²/NDF: 11481248.4/31
Left In: 310.698+/-0.052 χ²/NDF:1079479.8/22
Left: 308.857+/-0.036 χ²/NDF: 2402026.6/47
Right: 381.156+/-0.057 χ²/NDF: 20366640.4/58
In: 334.178+/-0.044 χ²/NDF:10635300.0/49
Out: 325.790+/-0.042 χ²/NDF:13266635.8/56
All: 329.808+/-0.031 χ²/NDF: 23920737.4/10

eigen_cor_asym_sam7_mean vs Slug, Sign Corrected



Right In: -78.526+/-19.695 χ^2/NDF: 15.6/26

Left Out: 101.325+/-14.642 χ^2/NDF:33.9/24

Right Out: -54.331+/-18.961 χ^2/NDF: 57.9/31

Left In: 93.235+/-15.137 χ^2/NDF:28.8/22

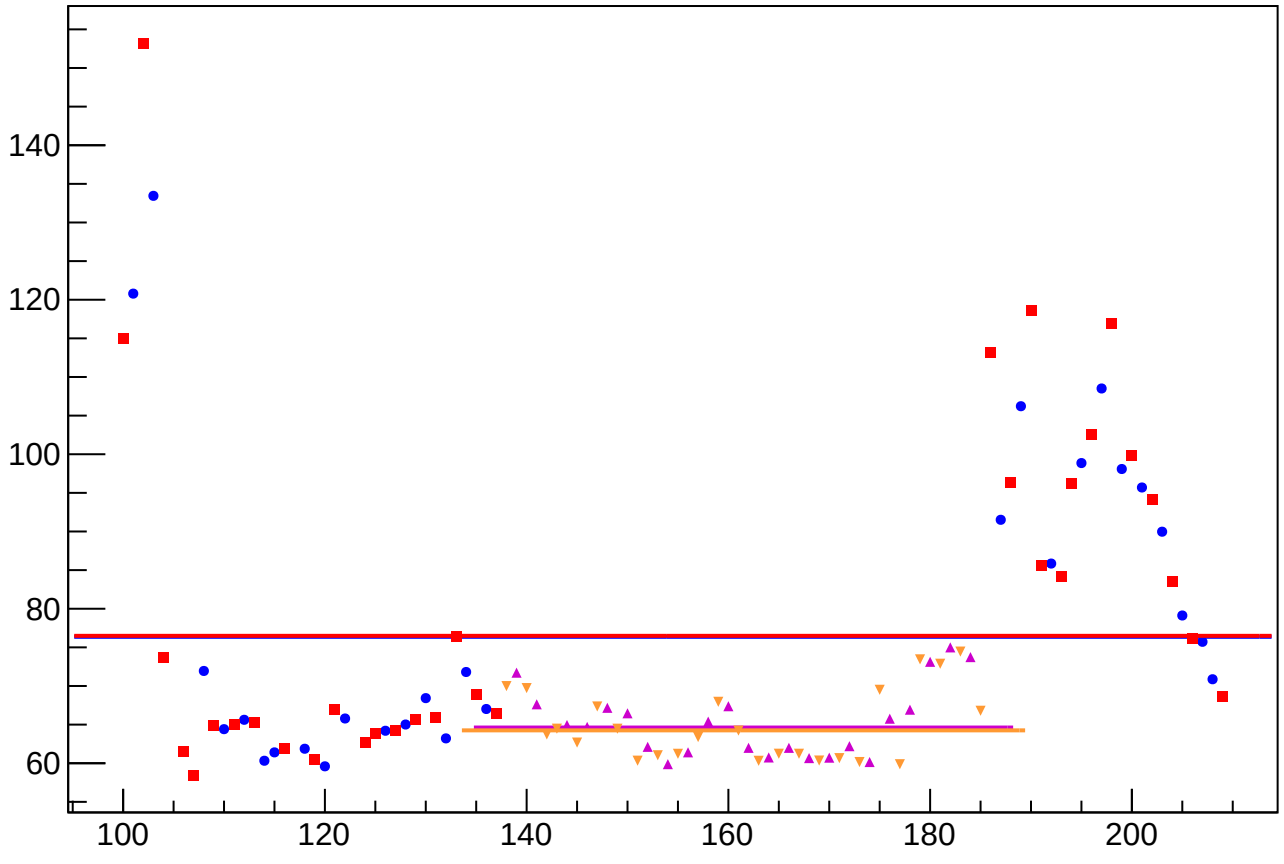
Left: 97.414+/-10.524 χ^2/NDF: 62.9/47

Right: -65.970+/-13.660 χ^2/NDF: 74.3/58

In: 29.453+/-12.001 χ^2/NDF:92.3/49

Out: 43.181+/-11.589 χ^2/NDF:134.0/56

All: 36.557+/-8.337 χ^2/NDF: 226.9/106



Right In: 76.369+/-0.014 χ^2/NDF: 1312832.8/26

Left Out: 64.256+/-0.010 χ^2/NDF:177697.9/24

Right Out: 76.492+/-0.013 χ^2/NDF: 1612947.5/31

Left In: 64.621+/-0.011 χ^2/NDF:147201.3/22

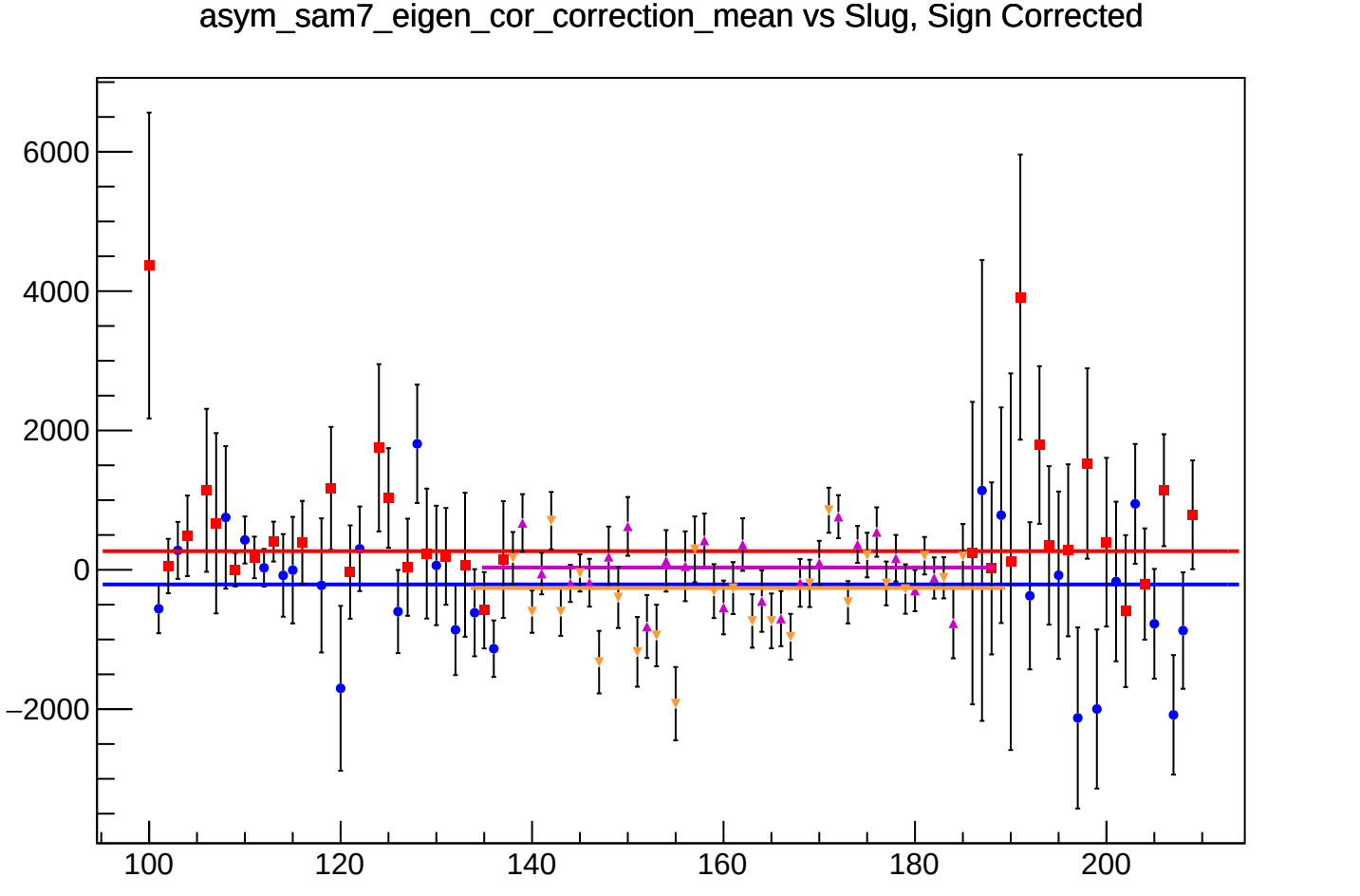
Left: 64.432+/-0.007 χ^2/NDF: 325501.9/47

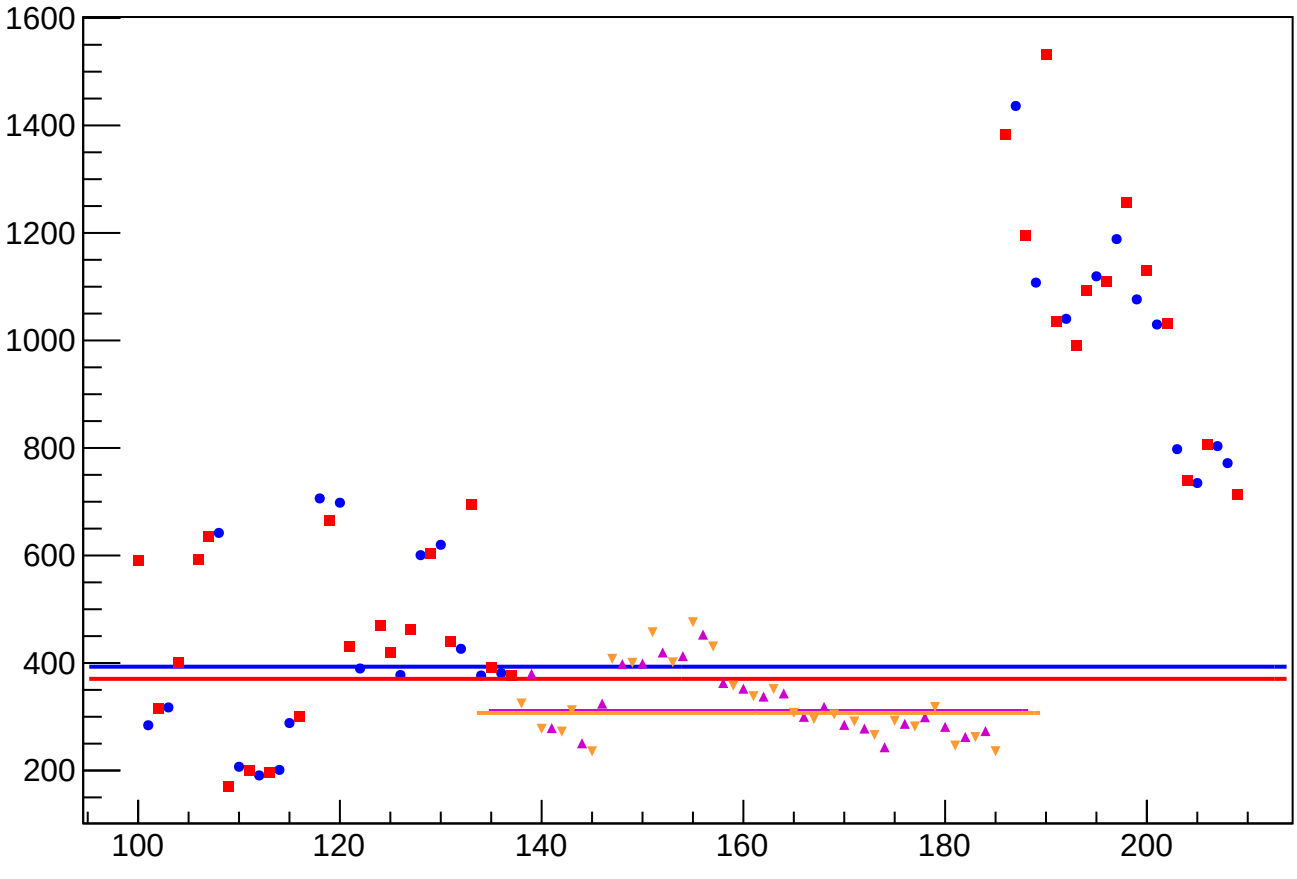
Right: 76.433+/-0.010 χ^2/NDF: 2925821.3/58

In: 68.983+/-0.008 χ^2/NDF:1907365.2/49

Out: 68.826+/-0.008 χ^2/NDF:2312450.6/56

All: 68.902+/-0.006 χ^2/NDF: 4219992.9/106


asym_sam7_eigen_cor_correction_mean vs Slug, Sign Corrected
6000
4000
2000
0
−2000
100
120
140
160
180
200
Right In: -210.098+/-116.993 χ²/NDF: 35.8/26
Left Out: -261.124+/-71.268 χ²/NDF:58.8/24
Right Out: 267.723+/-110.360 χ²/NDF: 21.2/31
Left In: 32.420+/-73.837 χ²/NDF:31.7/22
Left: -119.547+/-51.278 χ²/NDF: 98.7/47
Right: 42.739+/-80.279 χ²/NDF: 65.8/58
In: -36.663+/-62.441 χ²/NDF:70.6/49
Out: -105.486+/-59.870 χ²/NDF:96.2/56
All: -72.521+/-43.215 χ²/NDF: 167.4/106



Right In: 393.125+/-0.083 χ^2/NDF: 8845828.0/26

Left Out: 307.143+/-0.050 χ^2/NDF:1320147.4/24

Right Out: 370.505+/-0.078 χ^2/NDF: 11481248.4/31

Left In: 310.698+/-0.052 χ^2/NDF:1079479.8/22

Left: 308.857+/-0.036 χ^2/NDF: 2402026.6/47

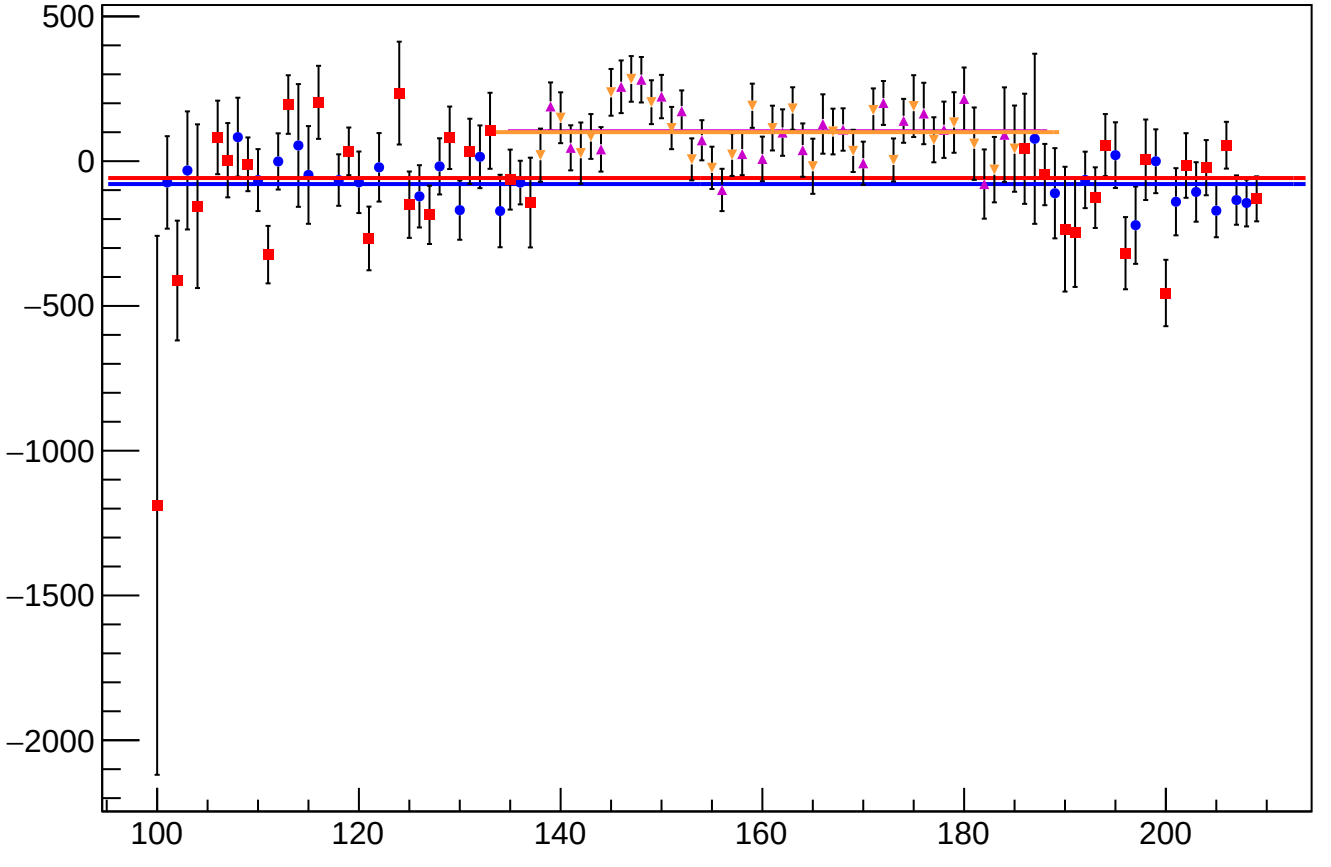
Right: 381.156+/-0.057 χ^2/NDF: 20366640.4/58

In: 334.178+/-0.044 χ^2/NDF:10635300.0/49

Out: 325.790+/-0.042 χ^2/NDF:13266635.8/56

All: 329.808+/-0.031 χ^2/NDF: 23920737.4/10

dit_asym_sam7_mean vs Slug, Sign Corrected



Right In: -79.069+/-21.227 χ^2/NDF: 10.7/26

Left Out: 100.277+/-16.625 χ^2/NDF:27.7/24

Right Out: -58.243+/-20.504 χ^2/NDF: 61.1/31

Left In: 103.363+/-17.260 χ^2/NDF:32.7/22

Left: 101.762+/-11.974 χ^2/NDF: 60.4/47

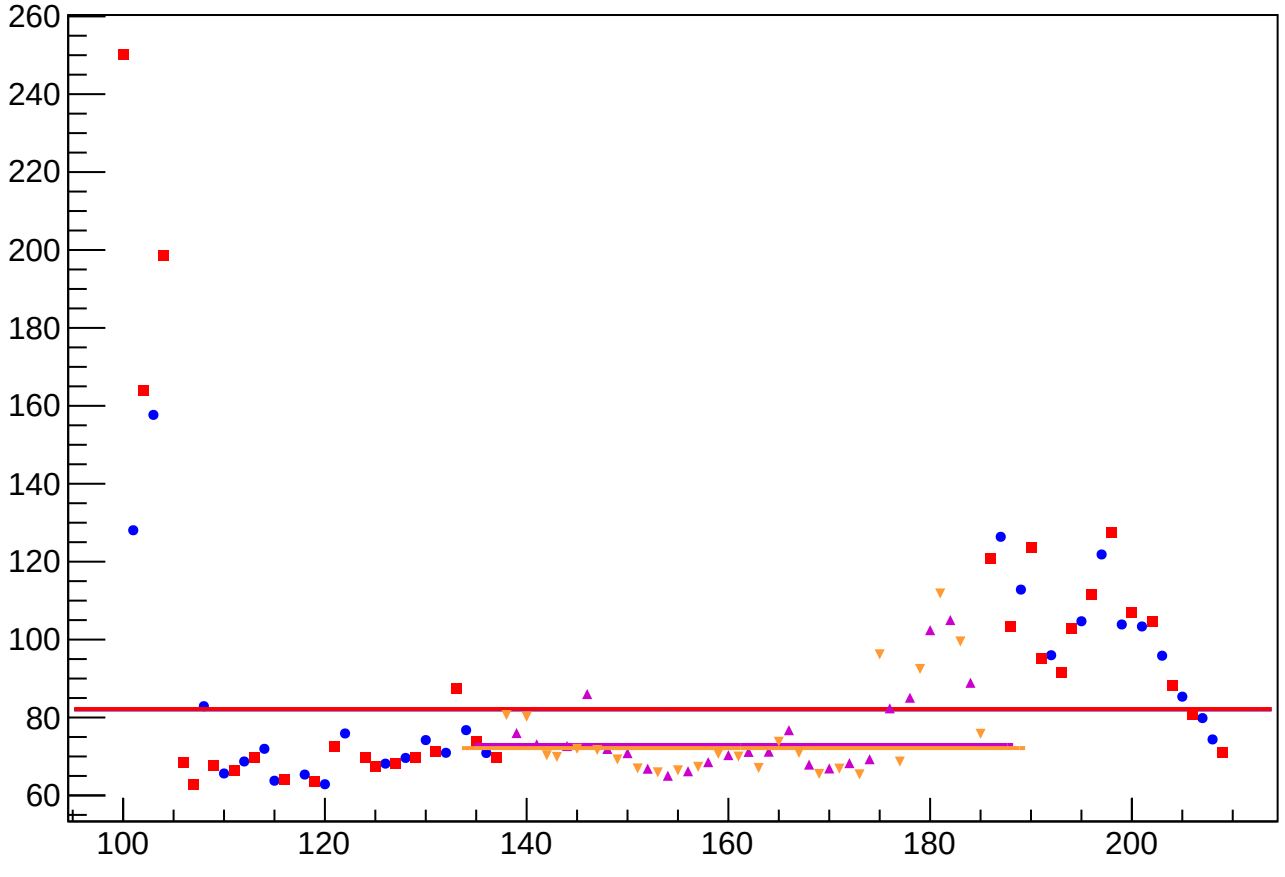
Right: -68.295+/-14.748 χ^2/NDF: 72.2/58

In: 30.752+/-13.392 χ^2/NDF:87.8/49

Out: 37.400+/-12.914 χ^2/NDF:124.8/56

All: 34.197+/-9.296 χ^2/NDF: 212.8/106

dit_asym_sam7_rms vs Slug, Sign Corrected



Right In: 82.064+/-0.015 χ^2/NDF: 1467074.8/26

Left Out: 72.150+/-0.012 χ^2/NDF:641970.1/24

Right Out: 82.168+/-0.014 χ^2/NDF: 2116451.3/31

Left In: 72.948+/-0.012 χ^2/NDF:509028.0/22

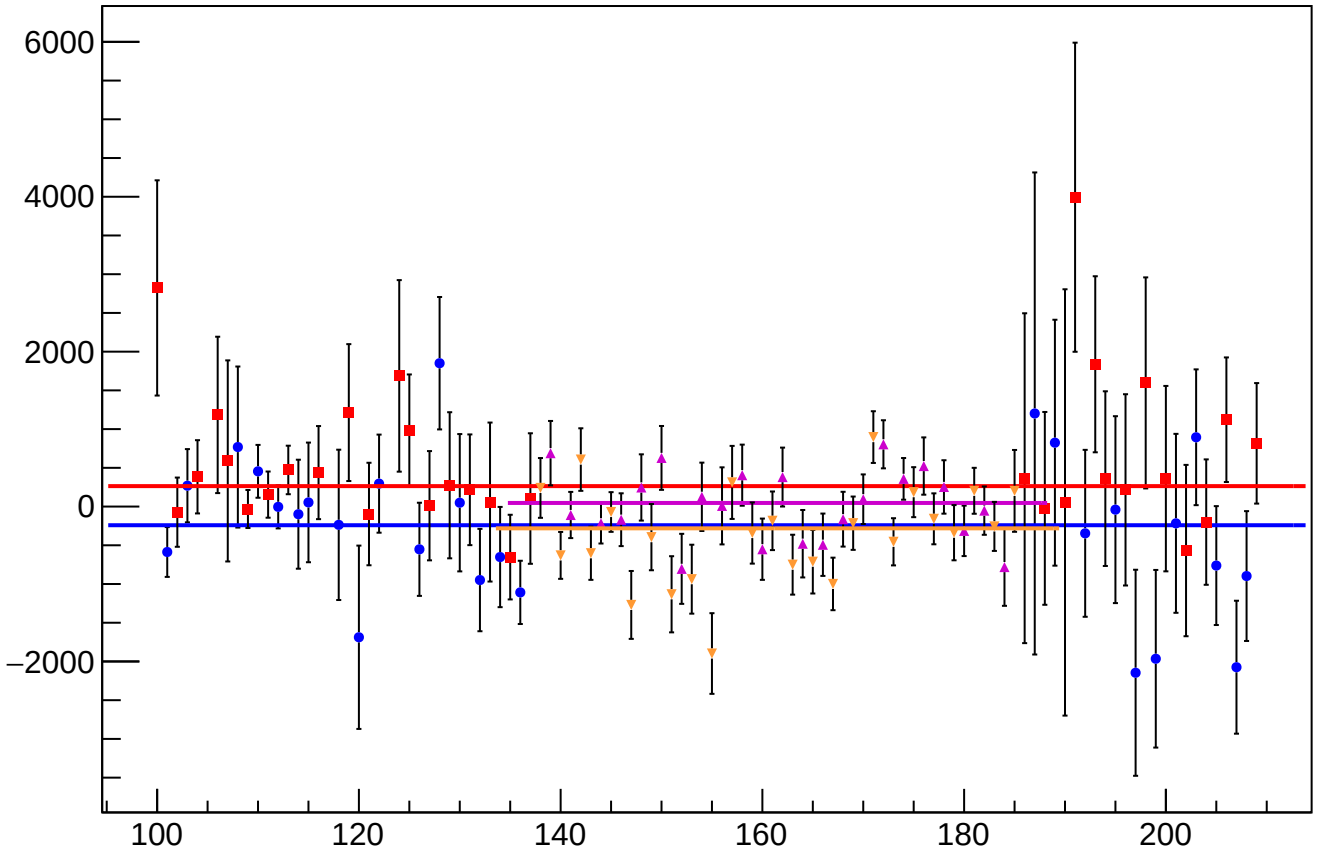
Left: 72.534+/-0.008 χ^2/NDF: 1153218.8/47

Right: 82.118+/-0.010 χ^2/NDF: 3583551.0/58

In: 76.577+/-0.009 χ^2/NDF:2198146.7/49

Out: 76.123+/-0.009 χ^2/NDF:3046506.6/56

All: 76.342+/-0.007 χ^2/NDF: 5245839.4/106



Right In: -241.030+/-119.079 χ^2/NDF: 35.3/26

Left Out: -281.205+/-72.538 χ^2/NDF:56.8/24

Right Out: 263.902+/-112.121 χ^2/NDF: 22.8/31

Left In: 46.569+/-74.897 χ^2/NDF:30.7/22

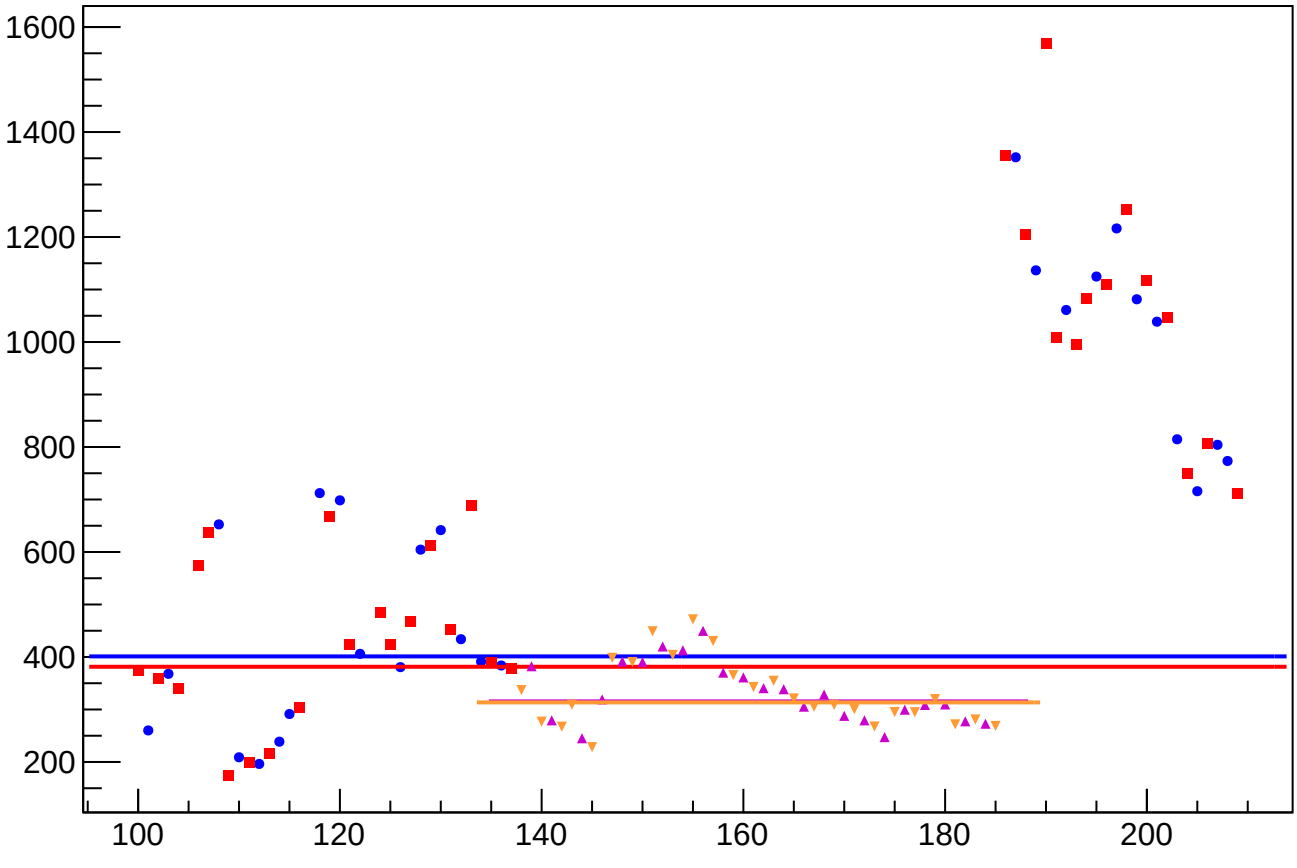
Left: -122.562+/-52.106 χ^2/NDF: 97.4/47

Right: 26.617+/-81.631 χ^2/NDF: 67.6/58

In: -34.955+/-63.399 χ^2/NDF:70.2/49

Out: -120.368+/-60.903 χ^2/NDF:96.3/56

All: -79.376+/-43.921 χ^2/NDF: 167.4/106



Right In: 401.141+/-0.084 χ^2/NDF: 8747099.9/26

Left Out: 313.500+/-0.051 χ^2/NDF:1175529.4/24

Right Out: 381.379+/-0.079 χ^2/NDF: 11076429.6/31

Left In: 315.455+/-0.053 χ^2/NDF:1008523.1/22

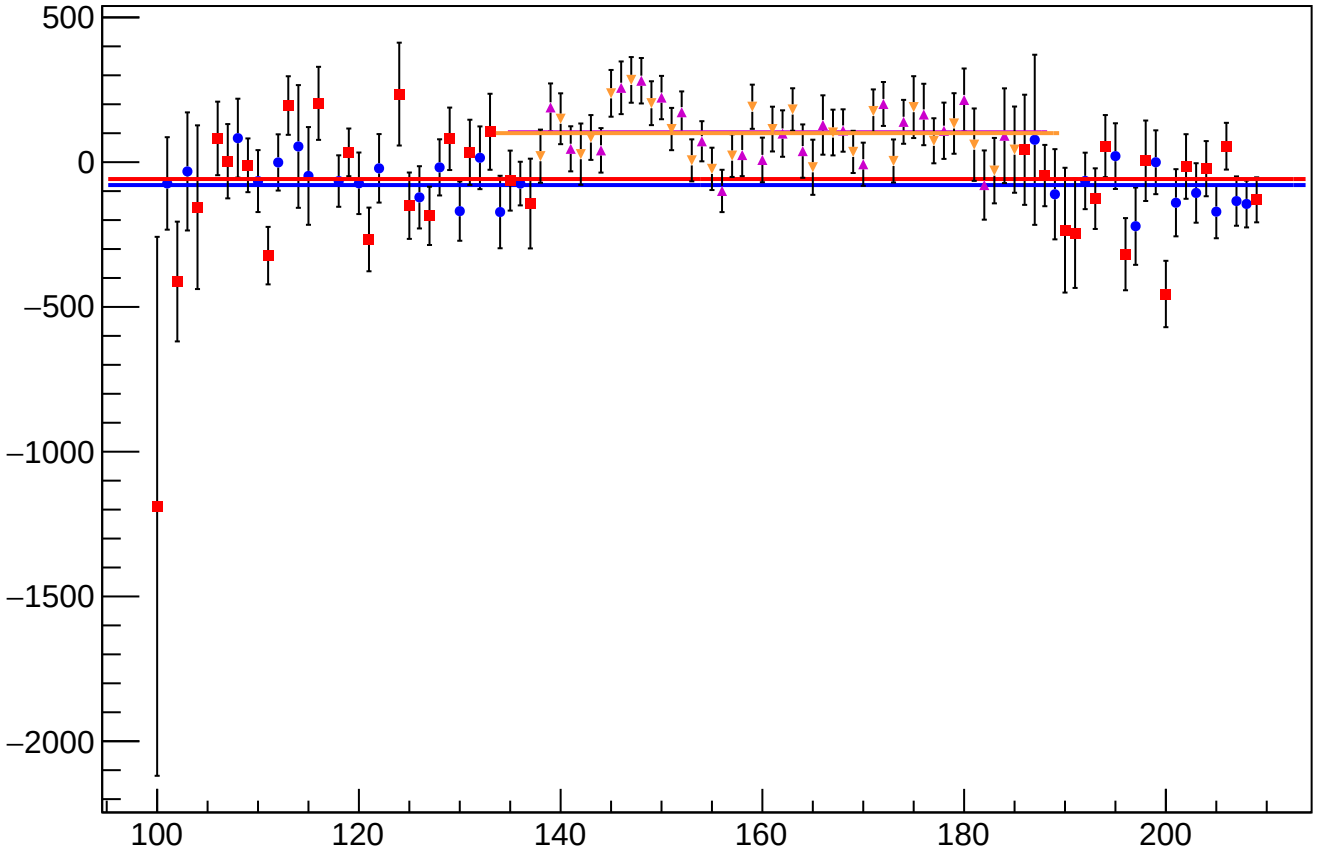
Left: 314.446+/-0.037 χ^2/NDF: 2184755.7/47

Right: 390.666+/-0.058 χ^2/NDF: 19852725.1/58

In: 339.744+/-0.045 χ^2/NDF:10497635.7/49

Out: 333.528+/-0.043 χ^2/NDF:12768709.0/56

All: 336.511+/-0.031 χ^2/NDF: 23276342.4/10



Right In: -79.068+/-21.227 χ^2/NDF: 10.7/26

Left Out: 100.276+/-16.625 χ^2/NDF:27.7/24

Right Out: -58.244+/-20.504 χ^2/NDF: 61.1/31

Left In: 103.363+/-17.260 χ^2/NDF:32.7/22

Left: 101.762+/-11.974 χ^2/NDF: 60.4/47

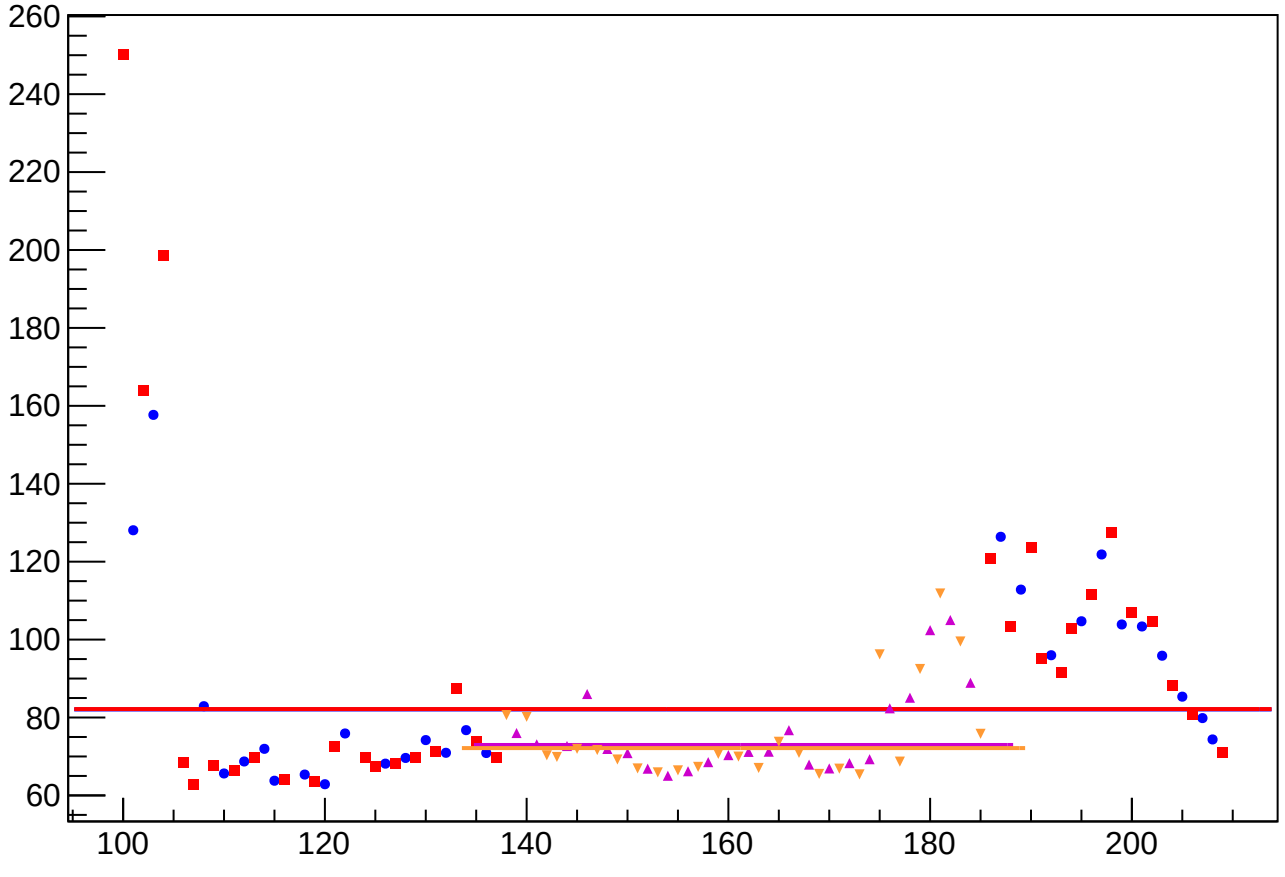
Right: -68.295+/-14.748 χ^2/NDF: 72.2/58

In: 30.752+/-13.392 χ^2/NDF:87.8/49

Out: 37.399+/-12.914 χ^2/NDF:124.8/56

All: 34.196+/-9.296 χ^2/NDF: 212.8/106

eigen_dit_asym_sam7_rms vs Slug, Sign Corrected



Right In: 82.064+/-0.015 χ^2/NDF: 1467082.8/26

Left Out: 72.150+/-0.012 χ^2/NDF:641967.4/24

Right Out: 82.168+/-0.014 χ^2/NDF: 2116453.3/31

Left In: 72.948+/-0.012 χ^2/NDF:509028.7/22

Left: 72.534+/-0.008 χ^2/NDF: 1153216.9/47

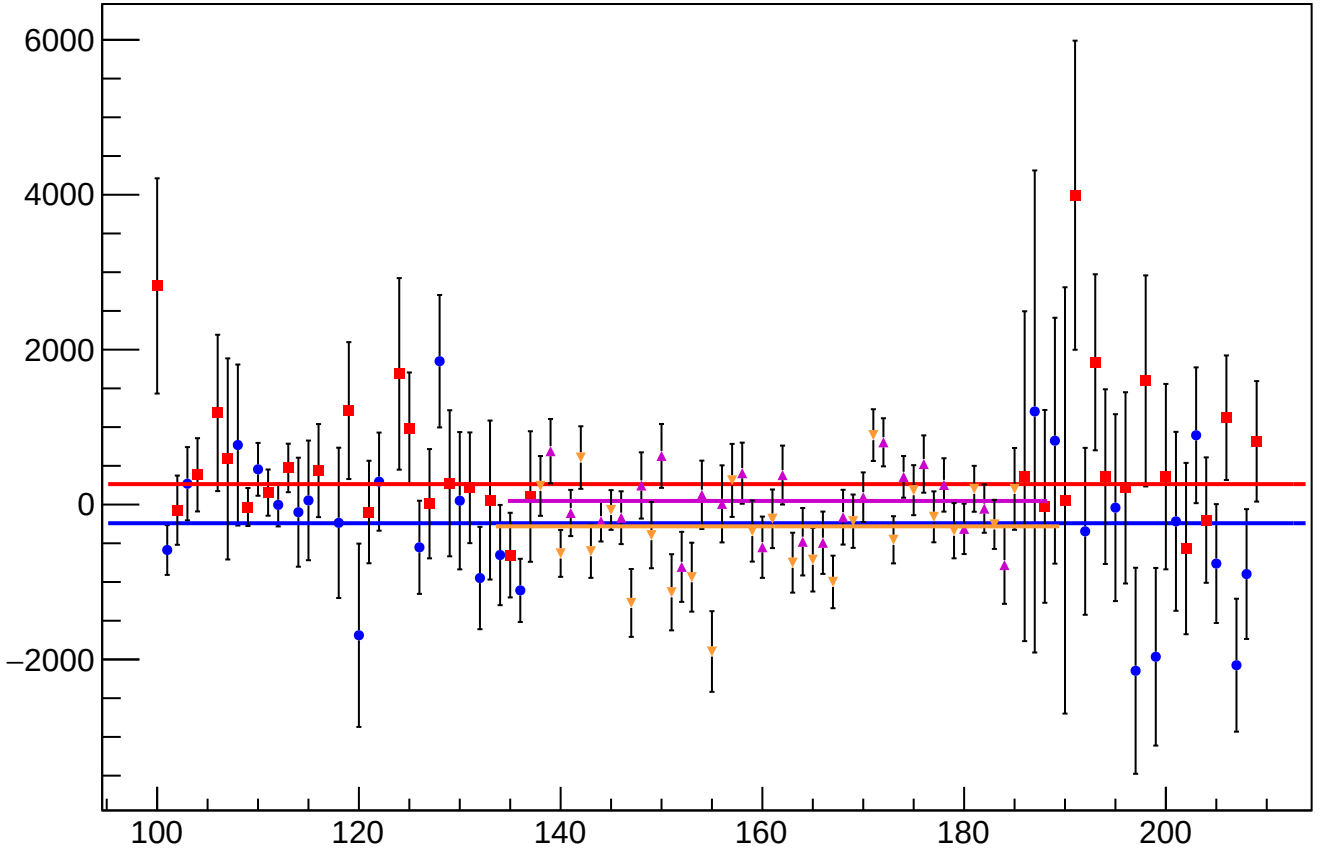
Right: 82.118+/-0.010 χ^2/NDF: 3583561.0/58

In: 76.577+/-0.009 χ^2/NDF:2198149.3/49

Out: 76.123+/-0.009 χ^2/NDF:3046499.8/56

All: 76.342+/-0.007 χ^2/NDF: 5245835.1/106

asym_sam7_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -241.027+/-119.078 χ^2/NDF: 35.3/26

Left Out: -281.205+/-72.538 χ^2/NDF:56.8/24

Right Out: 263.900+/-112.121 χ^2/NDF: 22.8/31

Left In: 46.569+/-74.897 χ^2/NDF:30.7/22

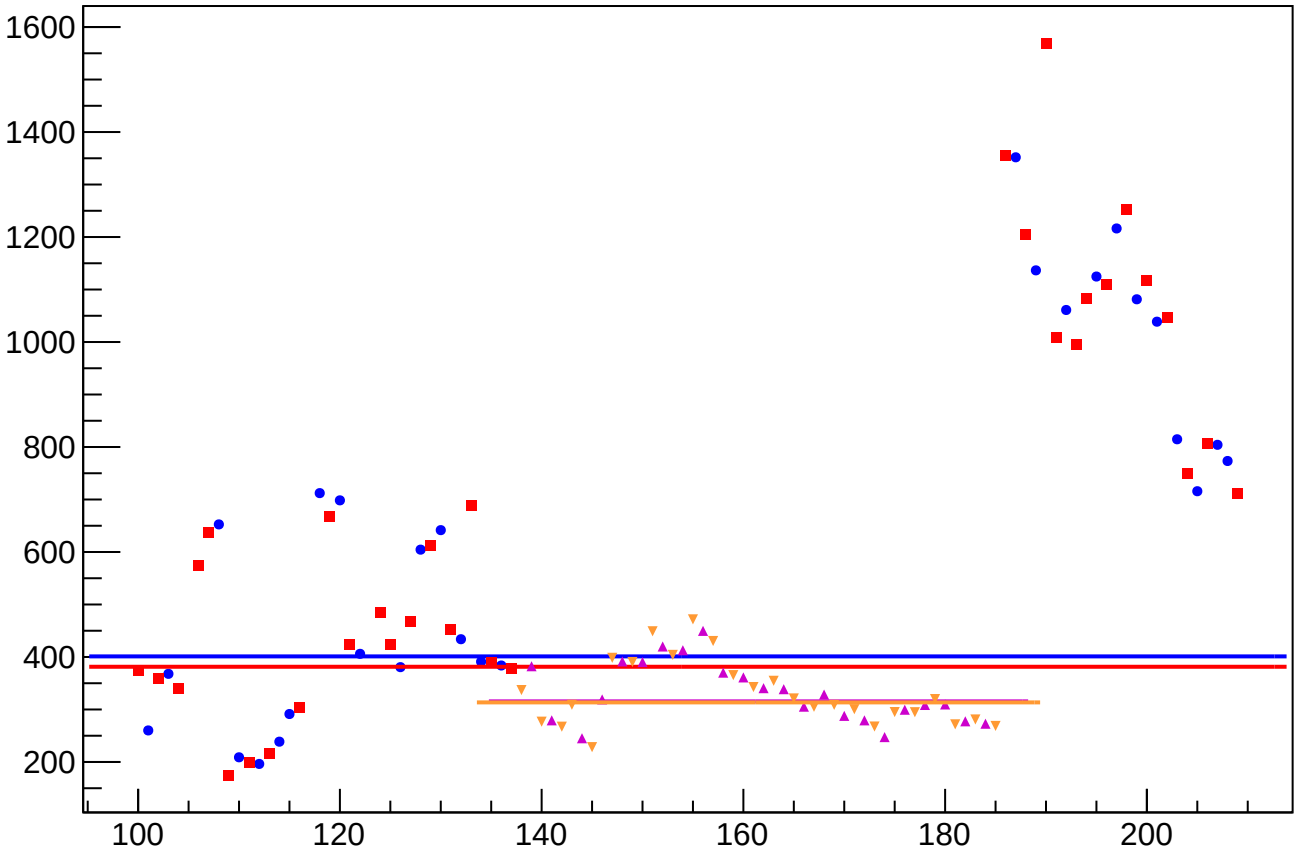
Left: -122.562+/-52.106 χ^2/NDF: 97.4/47

Right: 26.617+/-81.630 χ^2/NDF: 67.6/58

In: -34.955+/-63.399 χ^2/NDF:70.2/49

Out: -120.367+/-60.903 χ^2/NDF:96.3/56

All: -79.376+/-43.921 χ^2/NDF: 167.4/106



Right In: 401.138+/-0.084 χ^2/NDF: 8747189.7/26

Left Out: 313.500+/-0.051 χ^2/NDF:1175534.8/24

Right Out: 381.377+/-0.079 χ^2/NDF: 11076482.0/31

Left In: 315.456+/-0.053 χ^2/NDF:1008521.8/22

Left: 314.447+/-0.037 χ^2/NDF: 2184760.0/47

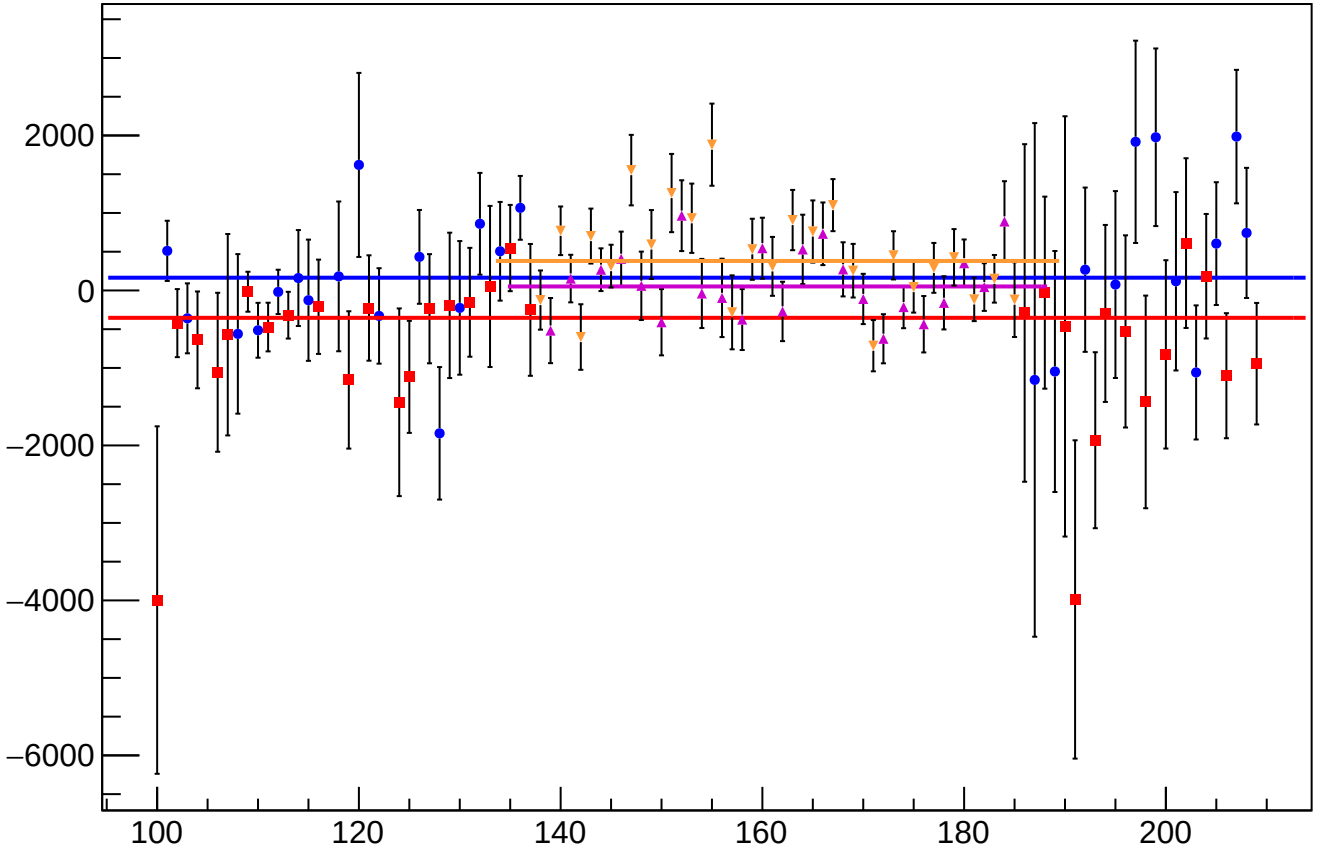
Right: 390.663+/-0.058 χ^2/NDF: 19852864.5/58

In: 339.744+/-0.045 χ^2/NDF:10497673.4/49

Out: 333.528+/-0.043 χ^2/NDF:12768739.4/56

All: 336.511+/-0.031 χ^2/NDF: 23276410.4/10

asym_sam7_mean vs Slug, Sign Corrected



Right In: 164.609+/-121.866 χ^2/NDF: 33.4/26

Left Out: 380.624+/-73.057 χ^2/NDF:55.4/24

Right Out: -353.215+/-115.236 χ^2/NDF: 19.6/31

Left In: 51.474+/-75.629 χ^2/NDF:28.2/22

Left: 221.742+/-52.545 χ^2/NDF: 93.4/47

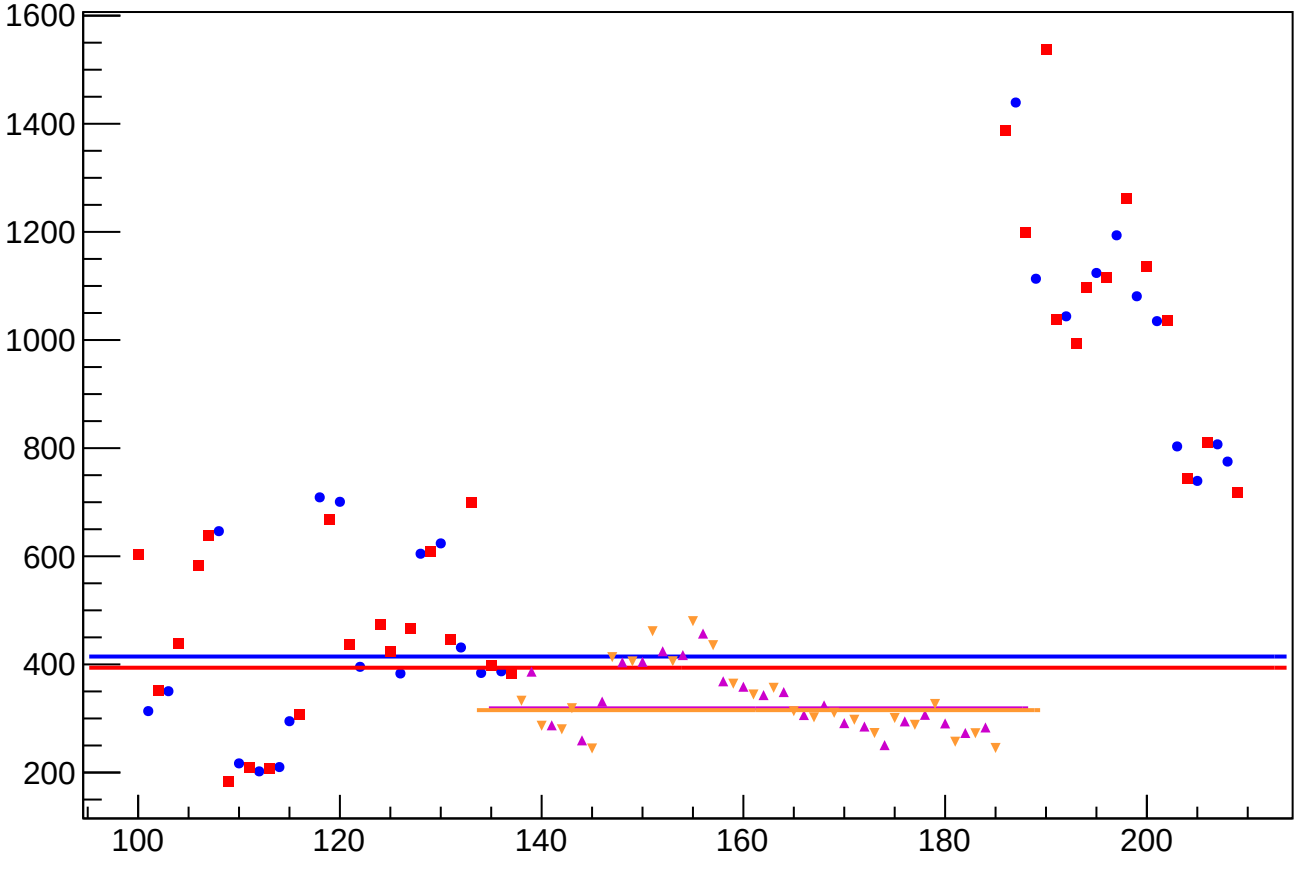
Right: -108.771+/-83.730 χ^2/NDF: 62.5/58

In: 82.931+/-64.260 χ^2/NDF:62.3/49

Out: 170.237+/-61.702 χ^2/NDF:103.9/56

All: 128.357+/-44.507 χ^2/NDF: 167.1/106

asym_sam7_rms vs Slug, Sign Corrected



Right In: 414.545+/-0.086 χ^2/NDF: 8294072.1/26

Left Out: 315.396+/-0.052 χ^2/NDF:1210106.0/24

Right Out: 393.859+/-0.081 χ^2/NDF: 10826276.7/31

Left In: 318.688+/-0.053 χ^2/NDF:991604.7/22

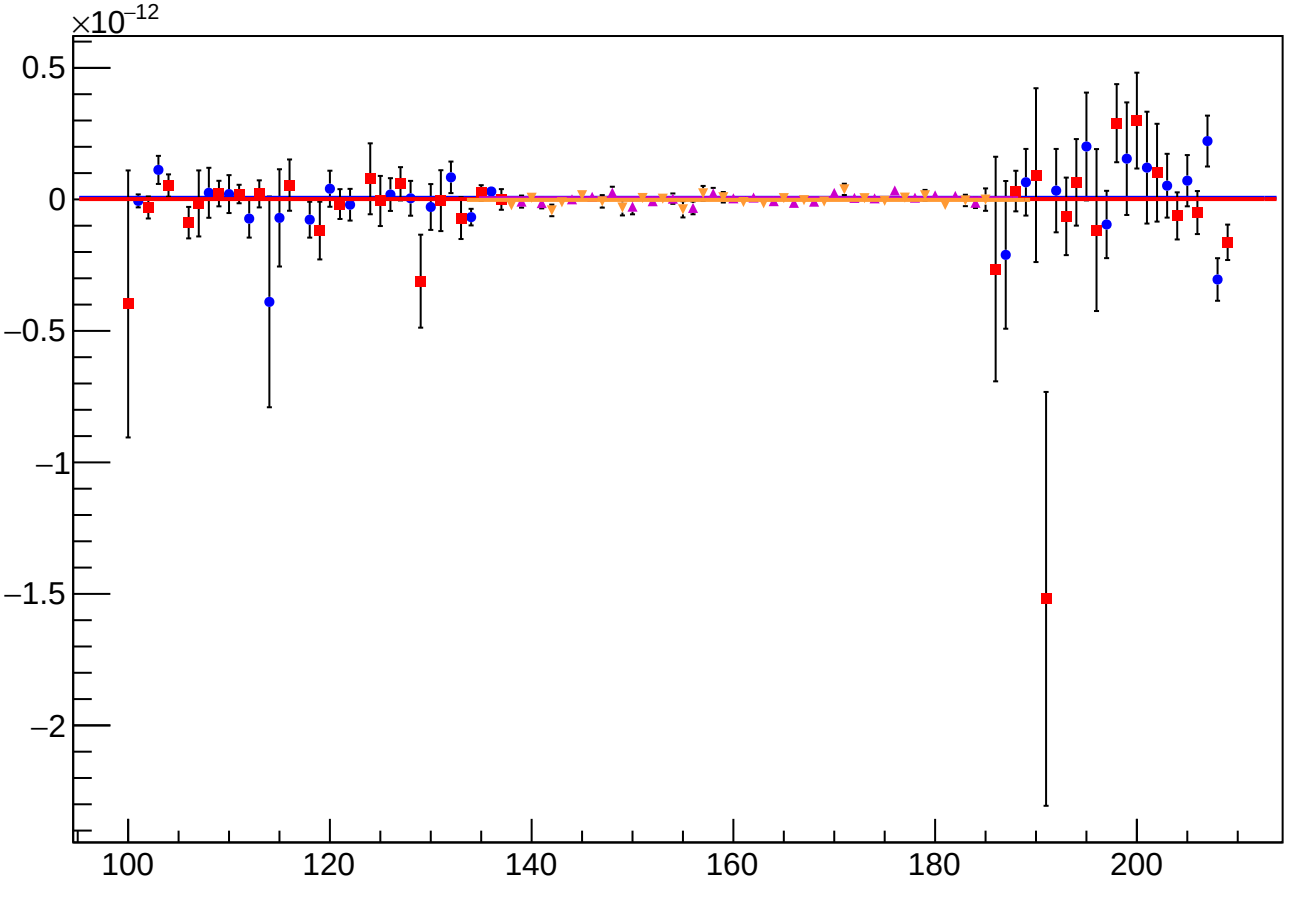
Left: 316.985+/-0.037 χ^2/NDF: 2203671.8/47

Right: 403.624+/-0.059 χ^2/NDF: 19150772.0/58

In: 345.341+/-0.045 χ^2/NDF:10179011.8/49

Out: 337.890+/-0.044 χ^2/NDF:12697773.8/56

All: 341.465+/-0.031 χ^2/NDF: 22890775.1/10



Right In: 0.000+/-0.000 χ^2/NDF: 41.2/26

Left Out: -0.000+/-0.000 χ^2/NDF:19.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 31.4/31

Left In: 0.000+/-0.000 χ^2/NDF:17.7/22

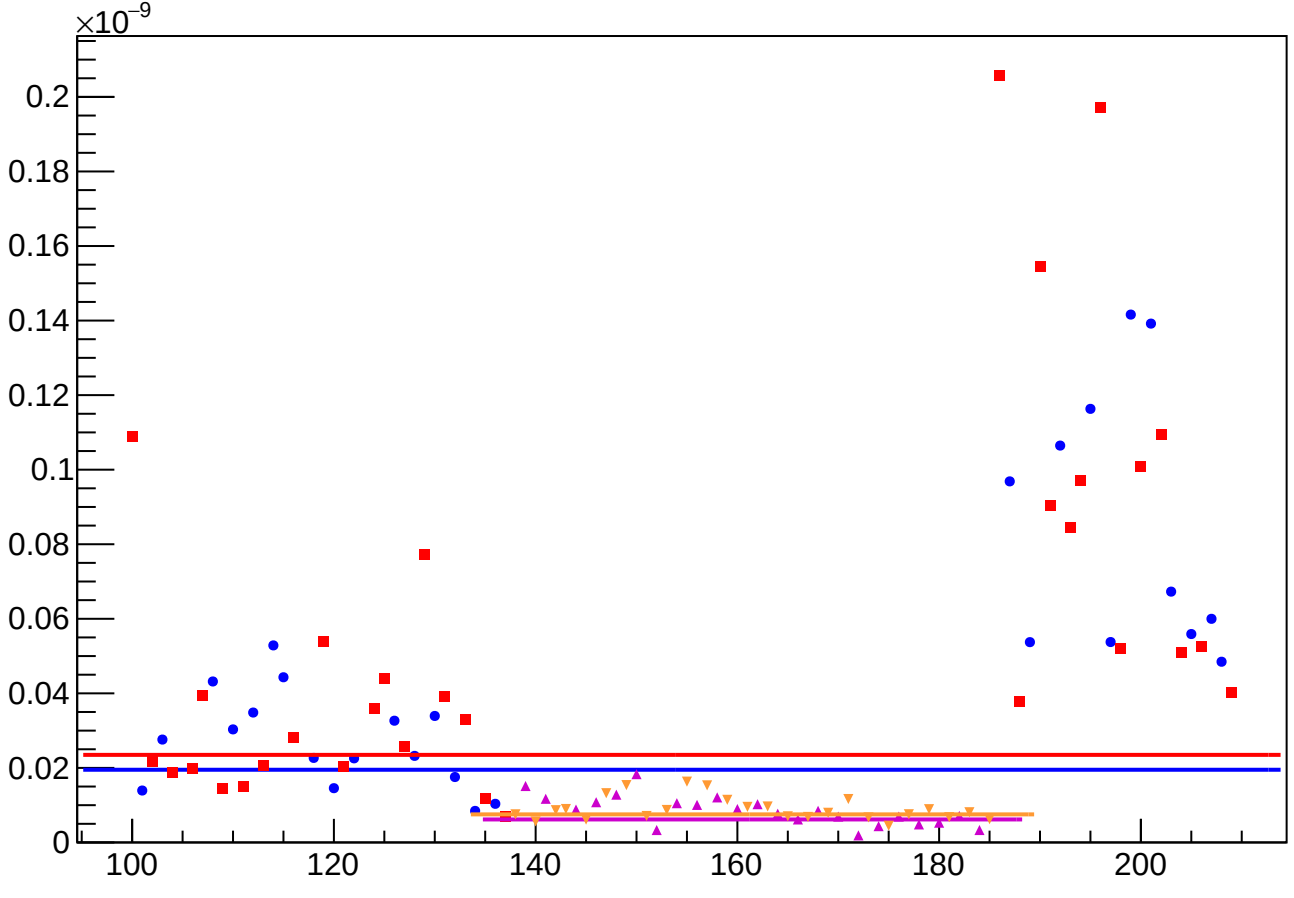
Left: 0.000+/-0.000 χ^2/NDF: 38.8/47

Right: 0.000+/-0.000 χ^2/NDF: 72.6/58

In: 0.000+/-0.000 χ^2/NDF:58.8/49

Out: -0.000+/-0.000 χ^2/NDF:50.4/56

All: 0.000+/-0.000 χ^2/NDF: 111.5/106



Right In: 0.000+/-0.000 χ^2/NDF: 5380973.1/26

Left Out: 0.000+/-0.000 χ^2/NDF:1208953.3/24

Right Out: 0.000+/-0.000 χ^2/NDF: 5083386.9/31

Left In: 0.000+/-0.000 χ^2/NDF:2784673.9/22

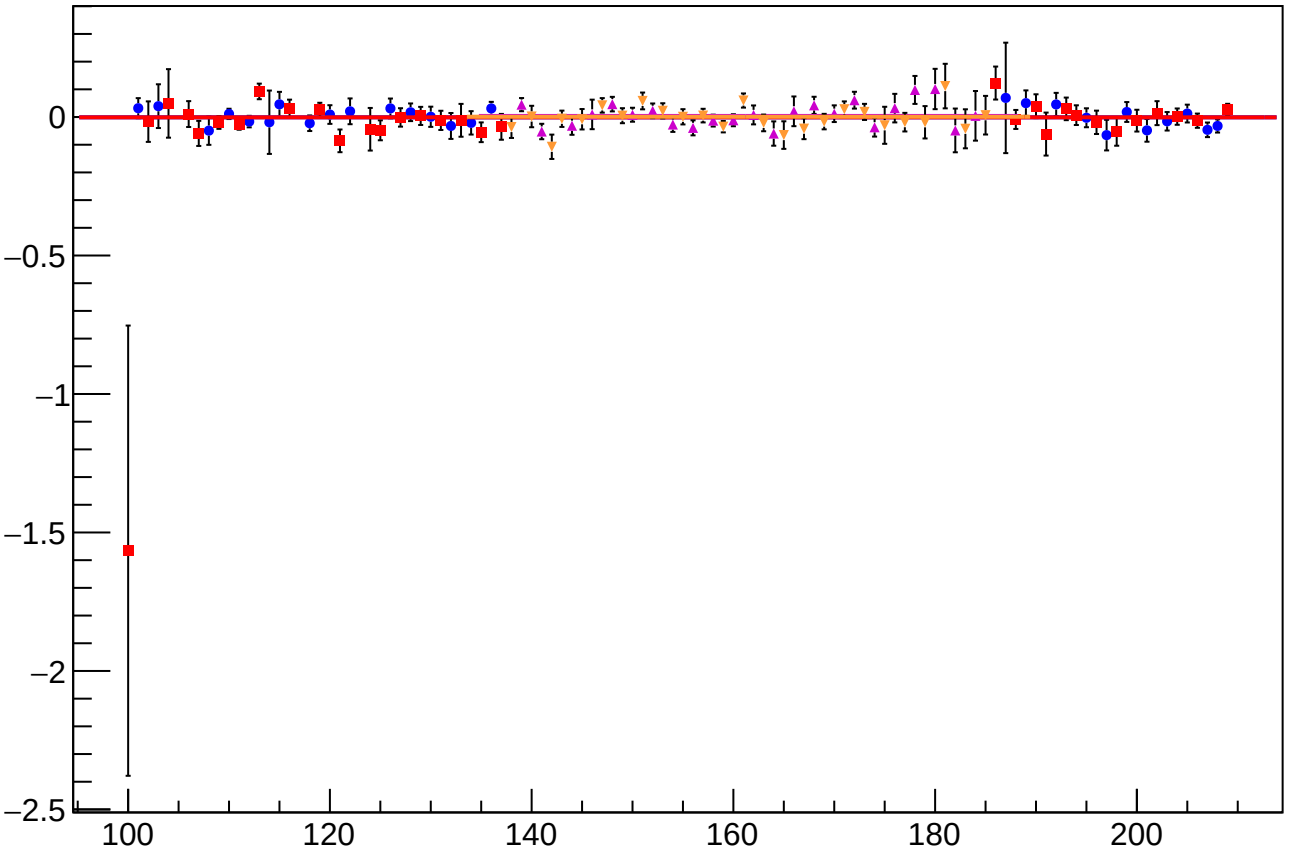
Left: 0.000+/-0.000 χ^2/NDF: 4183311.6/47

Right: 0.000+/-0.000 χ^2/NDF: 10589421.7/58

In: 0.000+/-0.000 χ^2/NDF:11127661.5/49

Out: 0.000+/-0.000 χ^2/NDF:9593492.3/56

All: 0.000+/-0.000 χ^2/NDF: 20946057.1/106



Right In: -0.001+/-0.006 χ^2/NDF: 19.1/26

Left Out: 0.001+/-0.006 χ^2/NDF:30.3/24

Right Out: -0.001+/-0.006 χ^2/NDF: 40.6/31

Left In: 0.004+/-0.007 χ^2/NDF:31.1/22

Left: 0.003+/-0.005 χ^2/NDF: 61.5/47

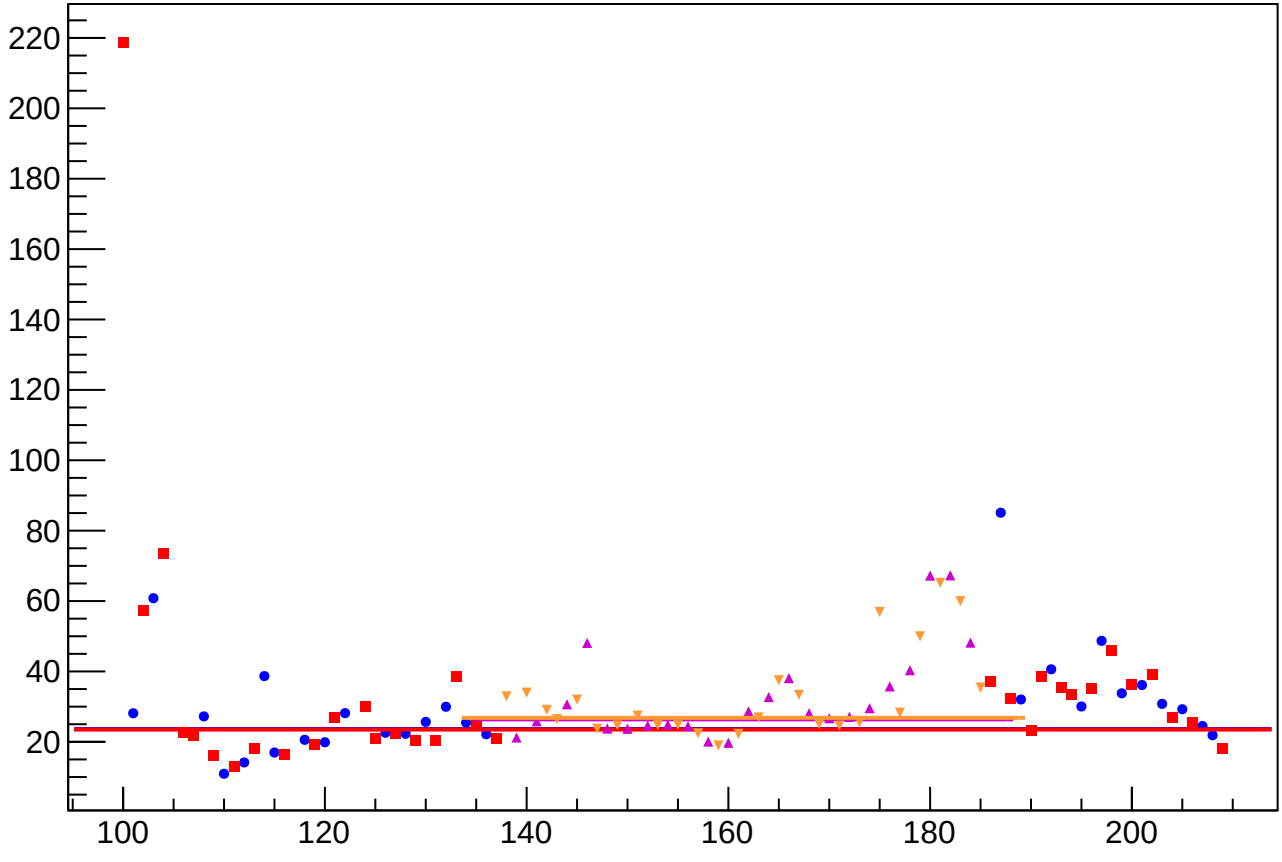
Right: -0.001+/-0.004 χ^2/NDF: 59.8/58

In: 0.001+/-0.005 χ^2/NDF:50.6/49

Out: -0.000+/-0.004 χ^2/NDF:71.0/56

All: 0.001+/-0.003 χ^2/NDF: 121.6/106

asym_sam7_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 23.627+/-0.005 χ^2/NDF: 3618573.0/26

Left Out: 26.820+/-0.005 χ^2/NDF:2469807.6/24

Right Out: 23.494+/-0.004 χ^2/NDF: 3943685.6/31

Left In: 26.376+/-0.005 χ^2/NDF:2566400.7/22

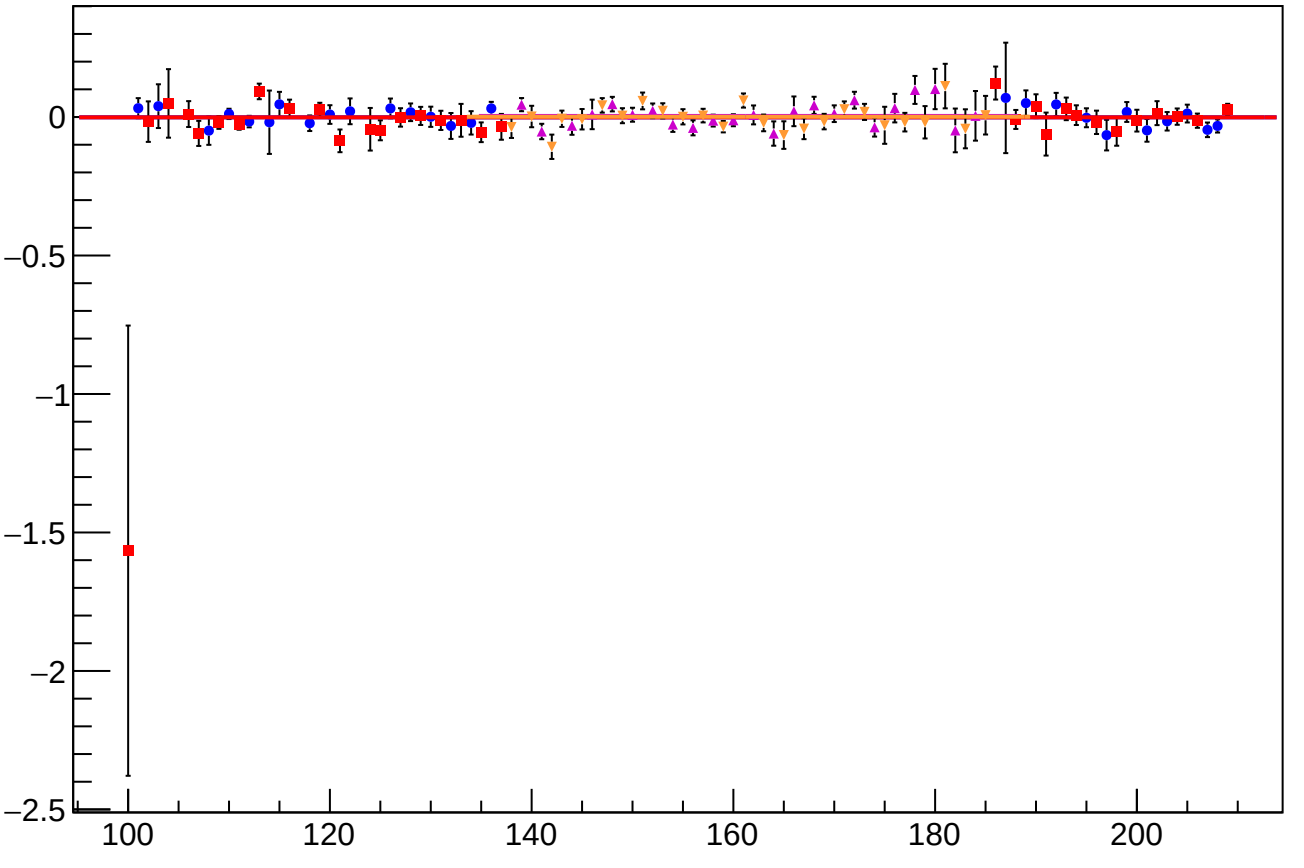
Left: 26.602+/-0.003 χ^2/NDF: 5040807.2/47

Right: 23.558+/-0.003 χ^2/NDF: 7562699.2/58

In: 24.980+/-0.003 χ^2/NDF:6361019.4/49

Out: 25.086+/-0.003 χ^2/NDF:6687099.3/56

All: 25.035+/-0.002 χ^2/NDF: 13048654.6/106



Right In: -0.001+/-0.006 χ^2/NDF: 19.1/26

Left Out: 0.001+/-0.006 χ^2/NDF:30.3/24

Right Out: -0.001+/-0.006 χ^2/NDF: 40.6/31

Left In: 0.004+/-0.007 χ^2/NDF:31.1/22

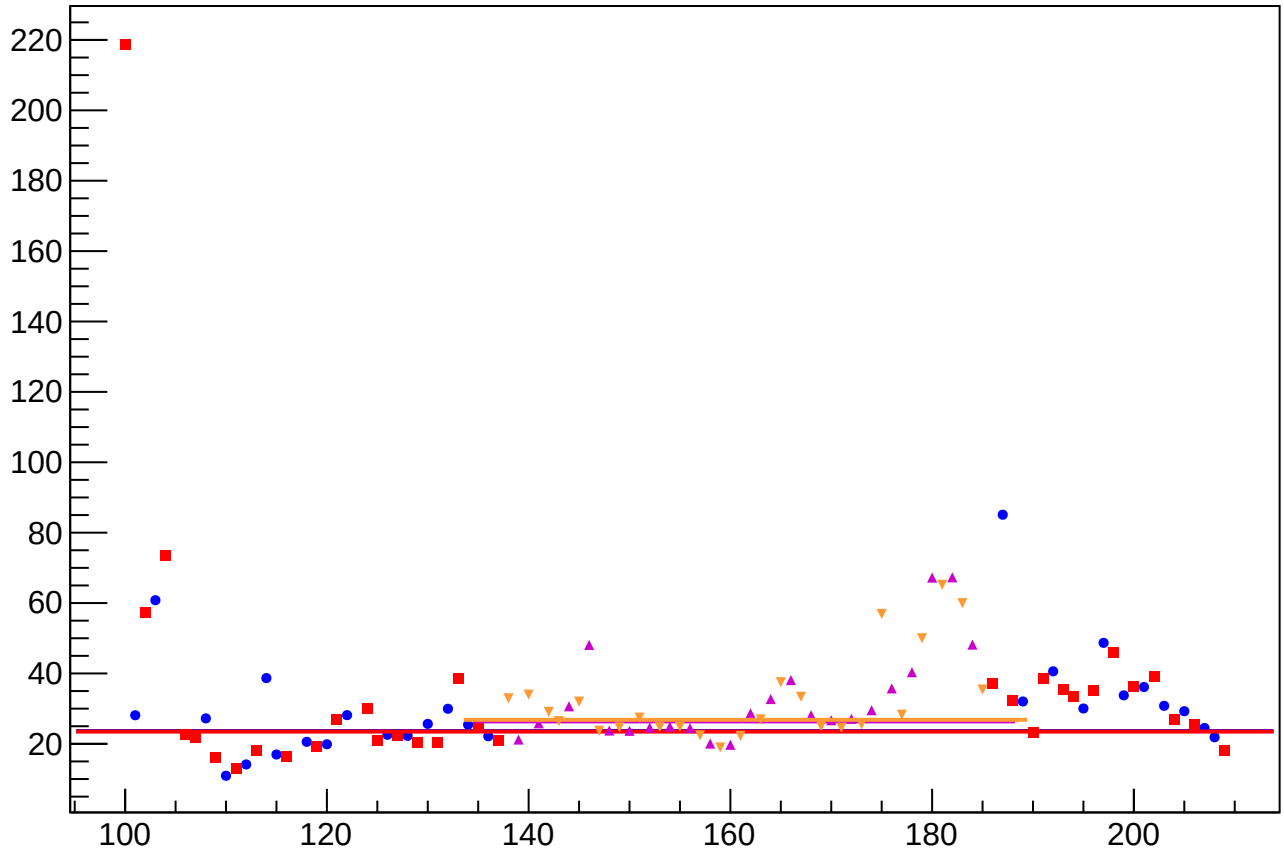
Left: 0.003+/-0.005 χ^2/NDF: 61.5/47

Right: -0.001+/-0.004 χ^2/NDF: 59.8/58

In: 0.001+/-0.005 χ^2/NDF:50.6/49

Out: -0.000+/-0.004 χ^2/NDF:71.0/56

All: 0.001+/-0.003 χ^2/NDF: 121.6/106



Right In: 23.627+/-0.005 χ^2/NDF: 3618573.0/26

Left Out: 26.820+/-0.005 χ^2/NDF:2469807.6/24

Right Out: 23.494+/-0.004 χ^2/NDF: 3943685.6/31

Left In: 26.376+/-0.005 χ^2/NDF:2566400.7/22

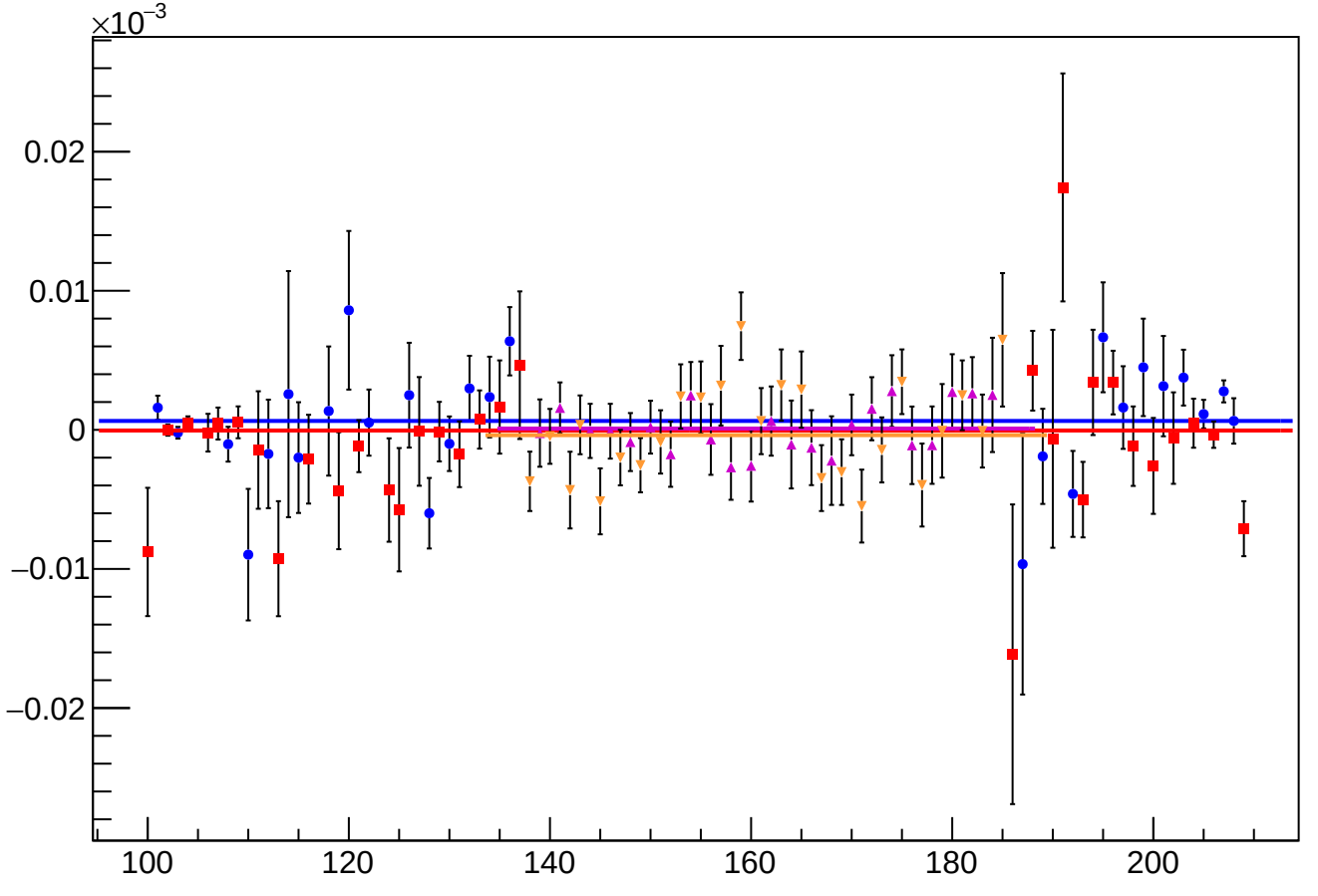
Left: 26.602+/-0.003 χ^2/NDF: 5040807.2/47

Right: 23.558+/-0.003 χ^2/NDF: 7562699.2/58

In: 24.980+/-0.003 χ^2/NDF:6361019.4/49

Out: 25.086+/-0.003 χ^2/NDF:6687099.3/56

All: 25.035+/-0.002 χ^2/NDF: 13048654.6/106



Right In: 0.000+/-0.000 χ^2/NDF: 47.2/26

Left Out: -0.000+/-0.000 χ^2/NDF:43.1/24

Right Out: -0.000+/-0.000 χ^2/NDF: 46.4/31

Left In: 0.000+/-0.000 χ^2/NDF:10.2/22

Left: -0.000+/-0.000 χ^2/NDF: 53.8/47

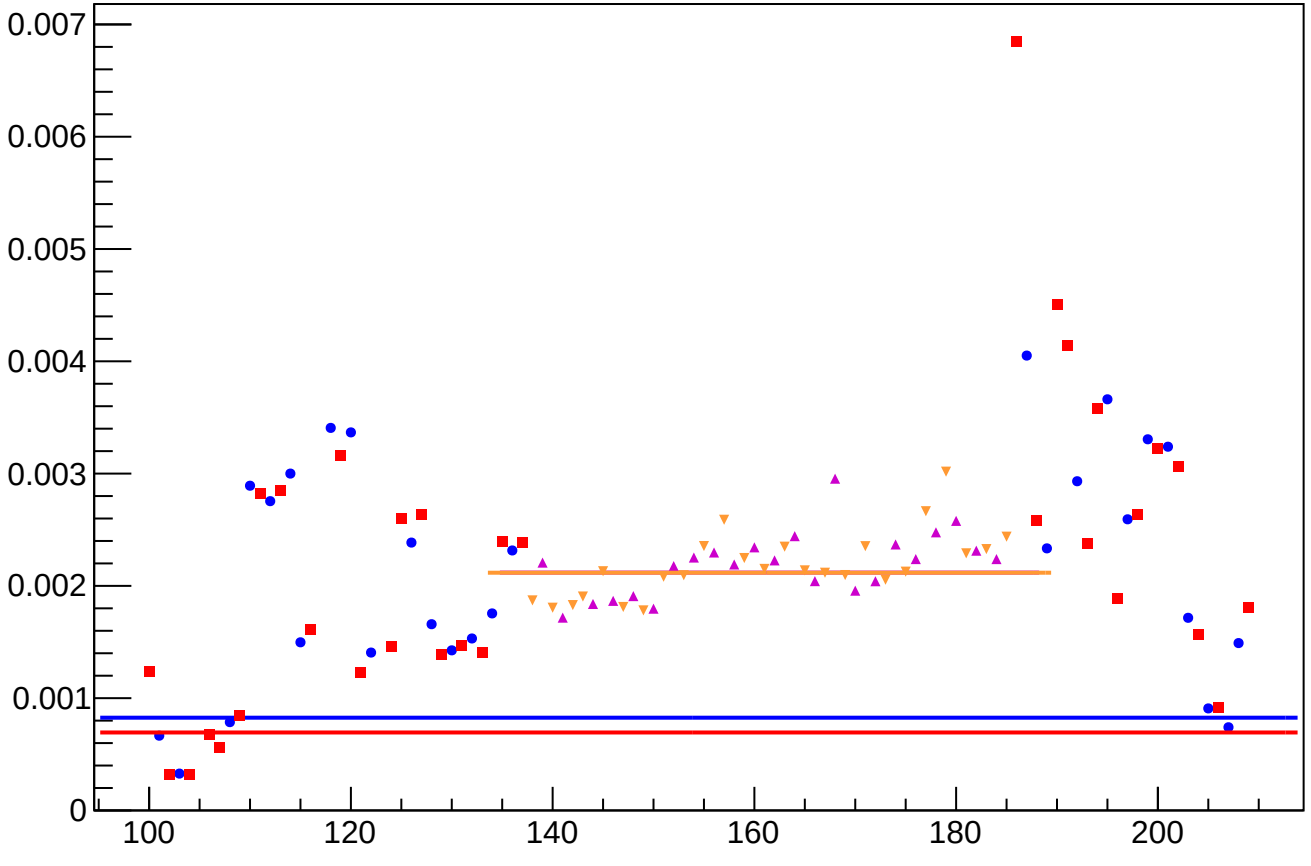
Right: 0.000+/-0.000 χ^2/NDF: 97.0/58

In: 0.000+/-0.000 χ^2/NDF:58.3/49

Out: -0.000+/-0.000 χ^2/NDF:89.9/56

All: 0.000+/-0.000 χ^2/NDF: 151.8/106

asym_sam7_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.001+/-0.000 χ^2/NDF: 12854126.7/26

Left Out: 0.002+/-0.000 χ^2/NDF:578720.8/24

Right Out: 0.001+/-0.000 χ^2/NDF: 16646132.7/31

Left In: 0.002+/-0.000 χ^2/NDF:588580.3/22

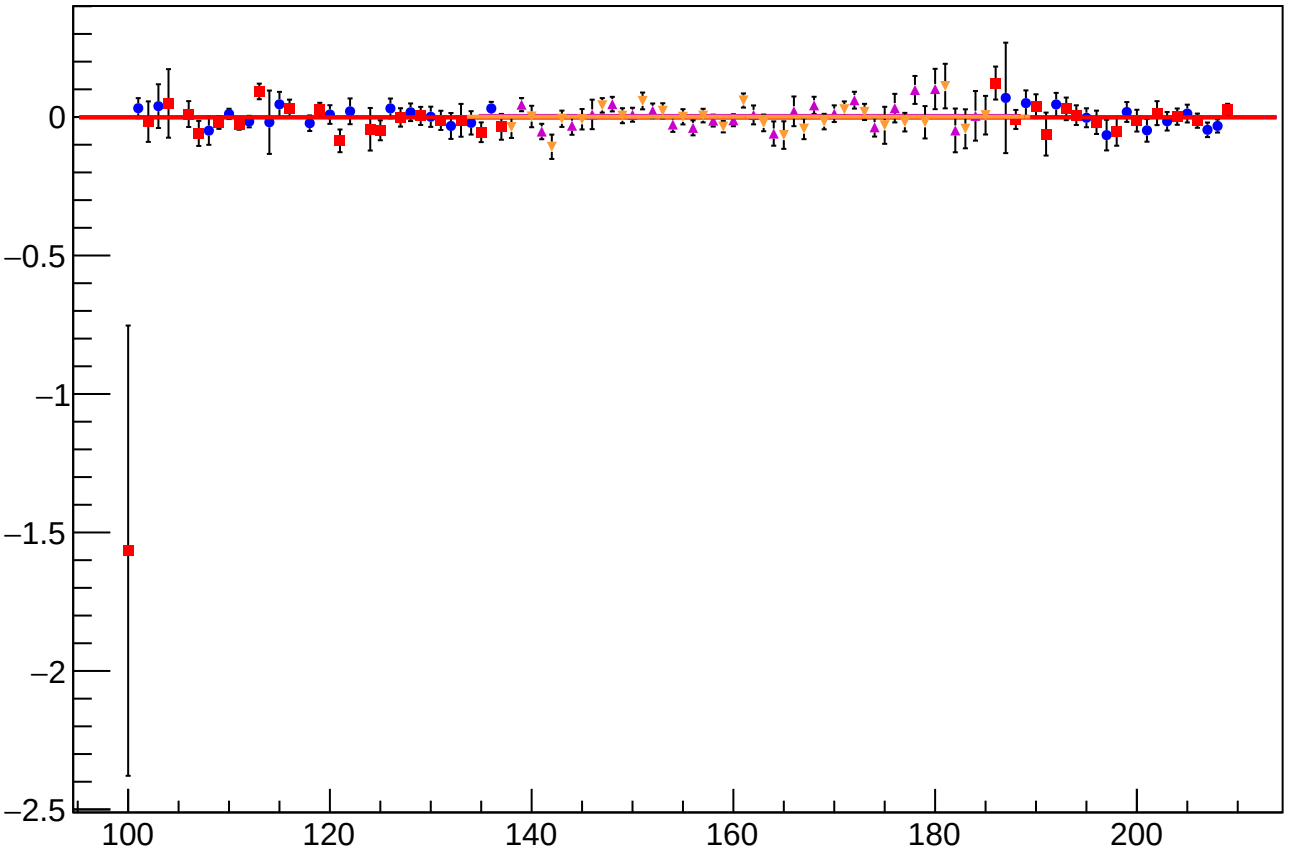
Left: 0.002+/-0.000 χ^2/NDF: 1167305.8/47

Right: 0.001+/-0.000 χ^2/NDF: 29754337.2/58

In: 0.001+/-0.000 χ^2/NDF:23594001.8/49

Out: 0.001+/-0.000 χ^2/NDF:30978431.3/56

All: 0.001+/-0.000 χ^2/NDF: 55064329.7/106



Right In: -0.001+/-0.007 χ^2/NDF: 19.1/26

Left Out: 0.001+/-0.006 χ^2/NDF:30.3/24

Right Out: -0.001+/-0.006 χ^2/NDF: 40.6/31

Left In: 0.004+/-0.007 χ^2/NDF:31.1/22

Left: 0.003+/-0.005 χ^2/NDF: 61.5/47

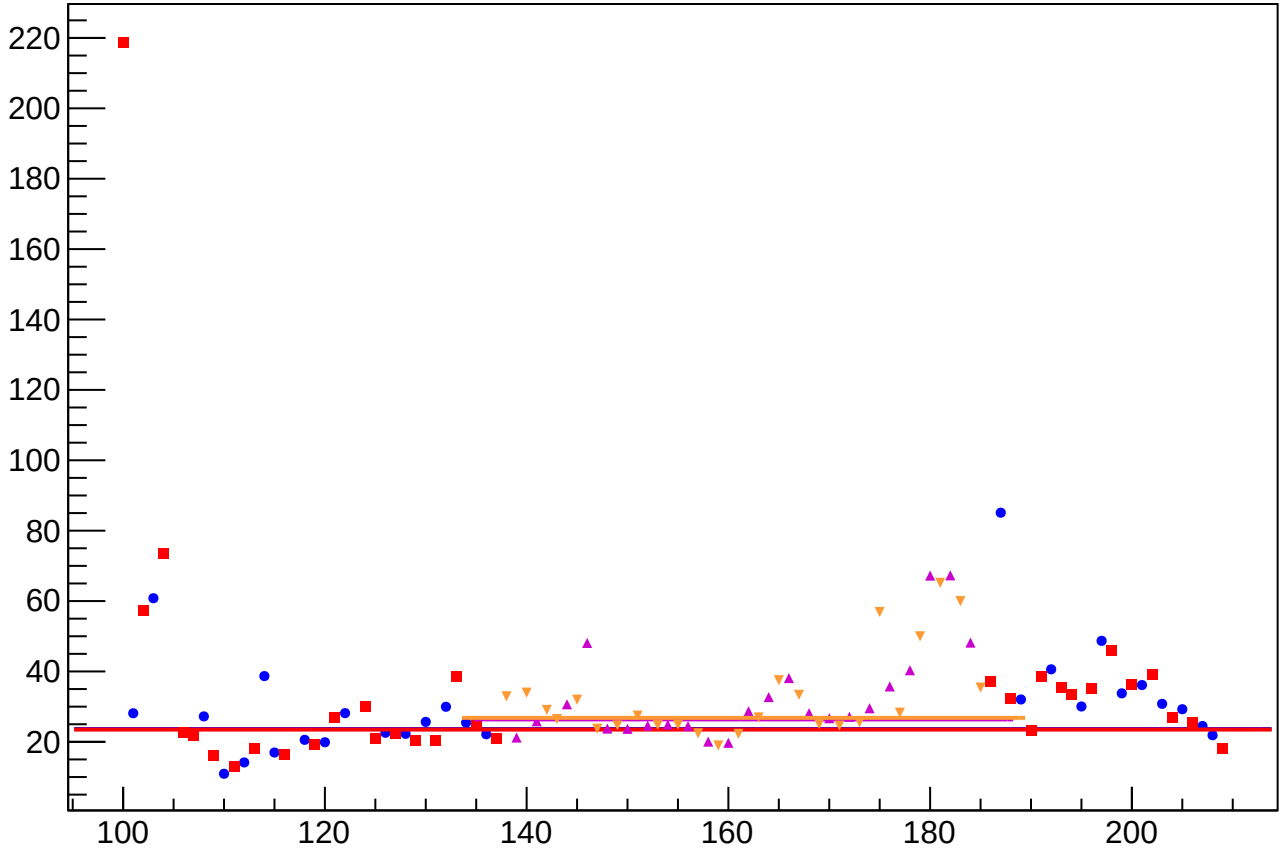
Right: -0.001+/-0.004 χ^2/NDF: 59.8/58

In: 0.001+/-0.005 χ^2/NDF:50.6/49

Out: -0.000+/-0.004 χ^2/NDF:71.0/56

All: 0.001+/-0.003 χ^2/NDF: 121.6/106

asym_sam7_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 23.628+/-0.005 χ^2/NDF: 3618300.4/26

Left Out: 26.820+/-0.005 χ^2/NDF:2469855.0/24

Right Out: 23.494+/-0.004 χ^2/NDF: 3943486.6/31

Left In: 26.376+/-0.005 χ^2/NDF:2566477.5/22

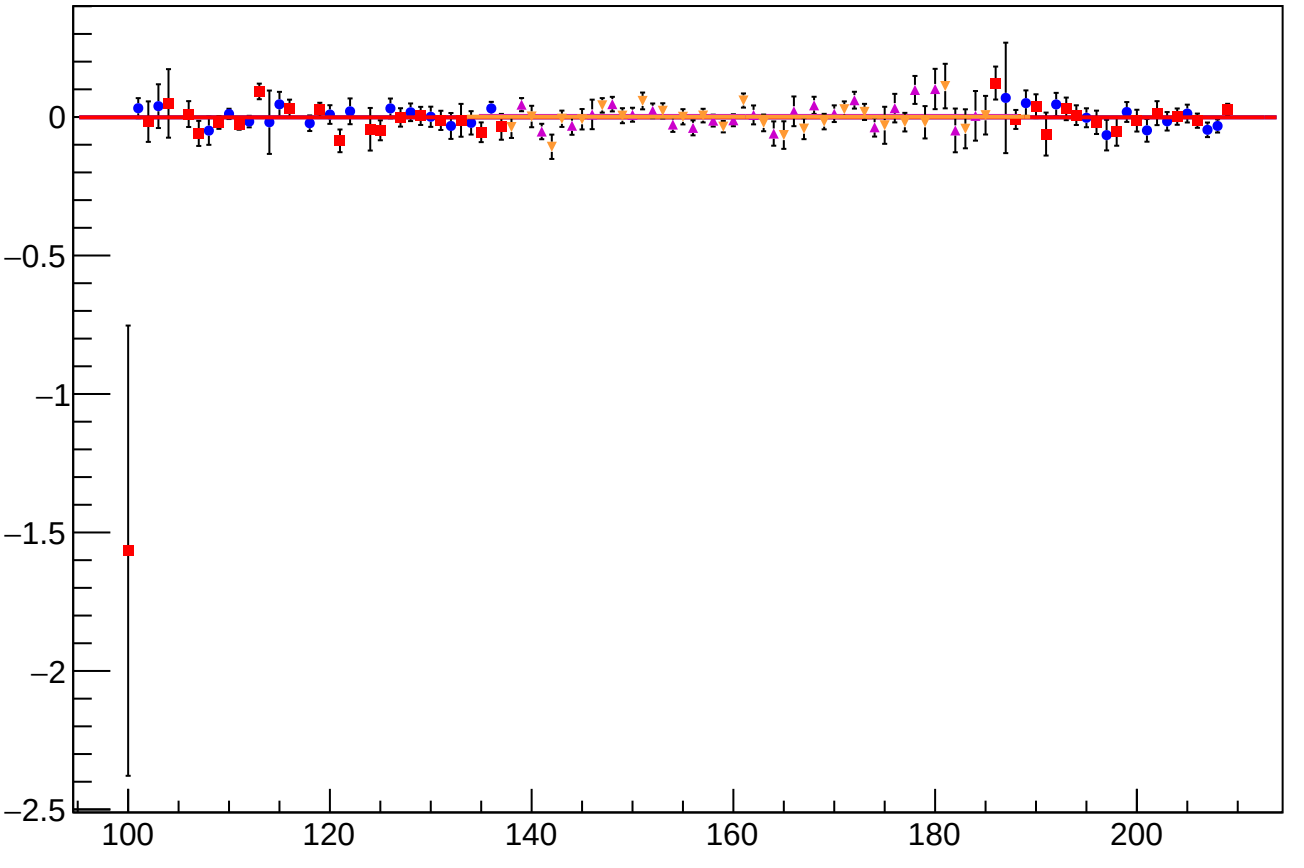
Left: 26.602+/-0.003 χ^2/NDF: 5040932.0/47

Right: 23.558+/-0.003 χ^2/NDF: 7562230.0/58

In: 24.980+/-0.003 χ^2/NDF:6360770.4/49

Out: 25.086+/-0.003 χ^2/NDF:6686949.9/56

All: 25.035+/-0.002 χ^2/NDF: 13048254.3/106



Right In: -0.001+/-0.007 χ^2/NDF: 19.1/26

Left Out: 0.001+/-0.006 χ^2/NDF:30.3/24

Right Out: -0.001+/-0.006 χ^2/NDF: 40.6/31

Left In: 0.004+/-0.007 χ^2/NDF:31.1/22

Left: 0.003+/-0.005 χ^2/NDF: 61.5/47

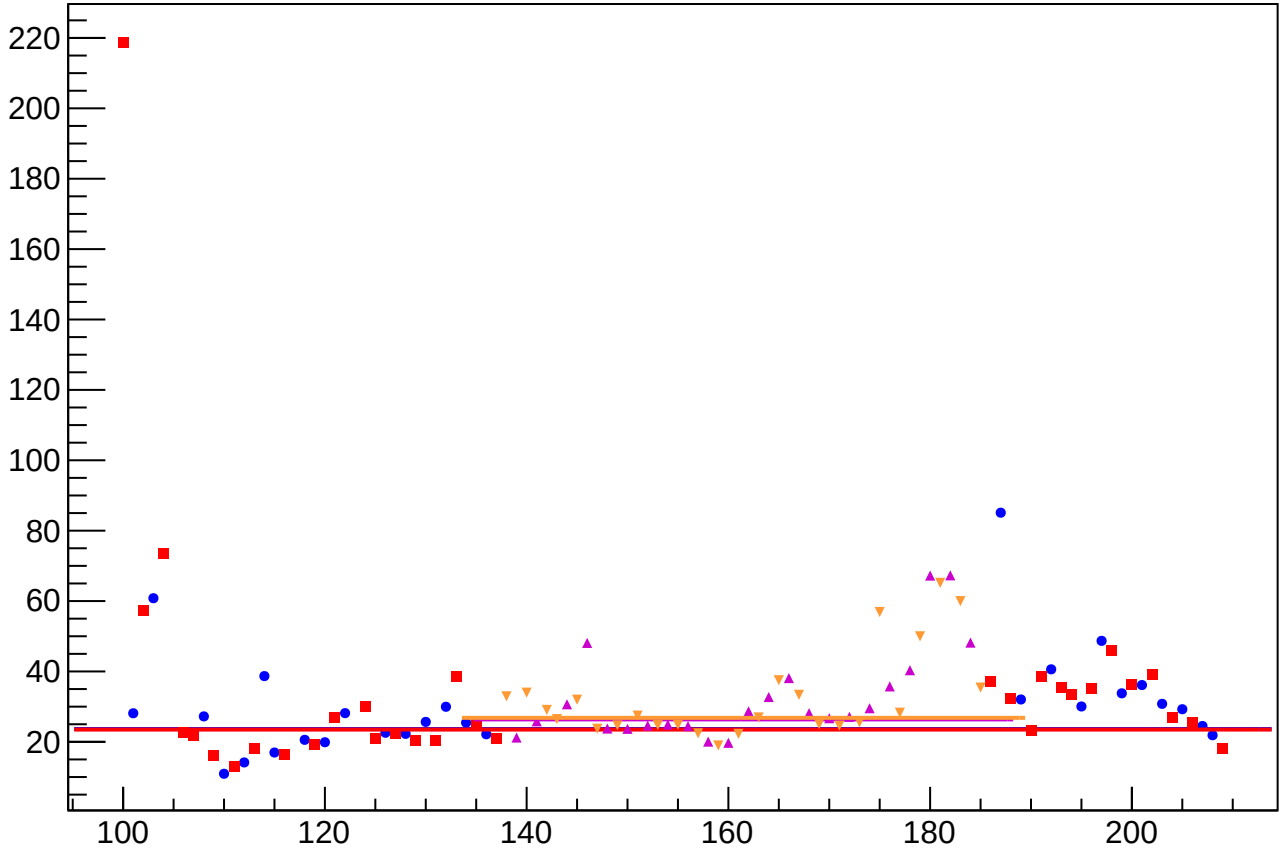
Right: -0.001+/-0.004 χ^2/NDF: 59.8/58

In: 0.001+/-0.005 χ^2/NDF:50.6/49

Out: -0.000+/-0.004 χ^2/NDF:71.0/56

All: 0.001+/-0.003 χ^2/NDF: 121.6/106

asym_sam7_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 23.628+/-0.005 χ^2/NDF: 3618300.4/26

Left Out: 26.820+/-0.005 χ^2/NDF:2469855.0/24

Right Out: 23.494+/-0.004 χ^2/NDF: 3943486.6/31

Left In: 26.376+/-0.005 χ^2/NDF:2566477.5/22

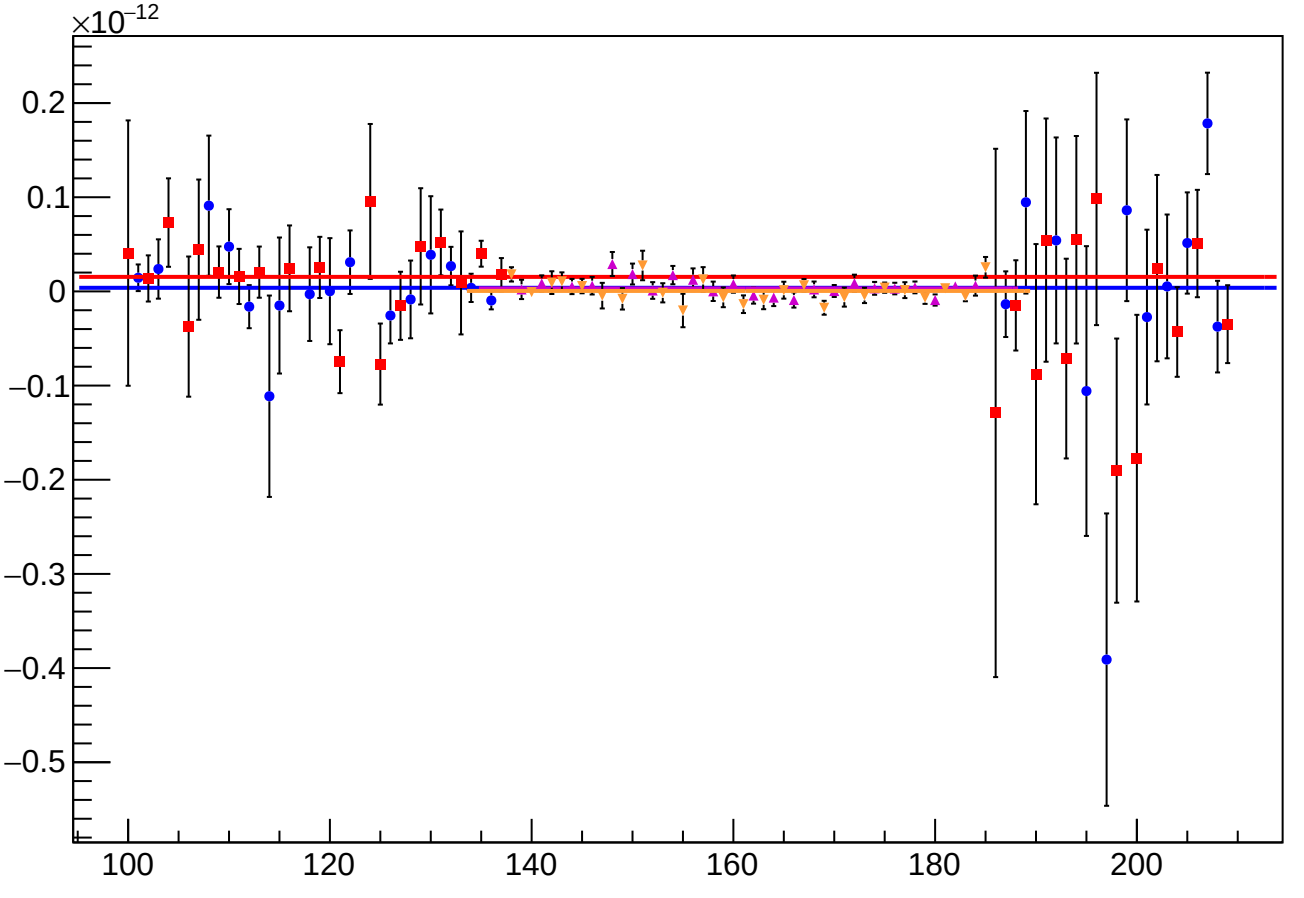
Left: 26.602+/-0.003 χ^2/NDF: 5040932.0/47

Right: 23.558+/-0.003 χ^2/NDF: 7562230.0/58

In: 24.980+/-0.003 χ^2/NDF:6360770.4/49

Out: 25.086+/-0.003 χ^2/NDF:6686949.9/56

All: 25.035+/-0.002 χ^2/NDF: 13048254.3/106



Right In: 0.000+/-0.000 χ^2/NDF: 32.1/26

Left Out: 0.000+/-0.000 χ^2/NDF:32.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 30.2/31

Left In: 0.000+/-0.000 χ^2/NDF:19.1/22

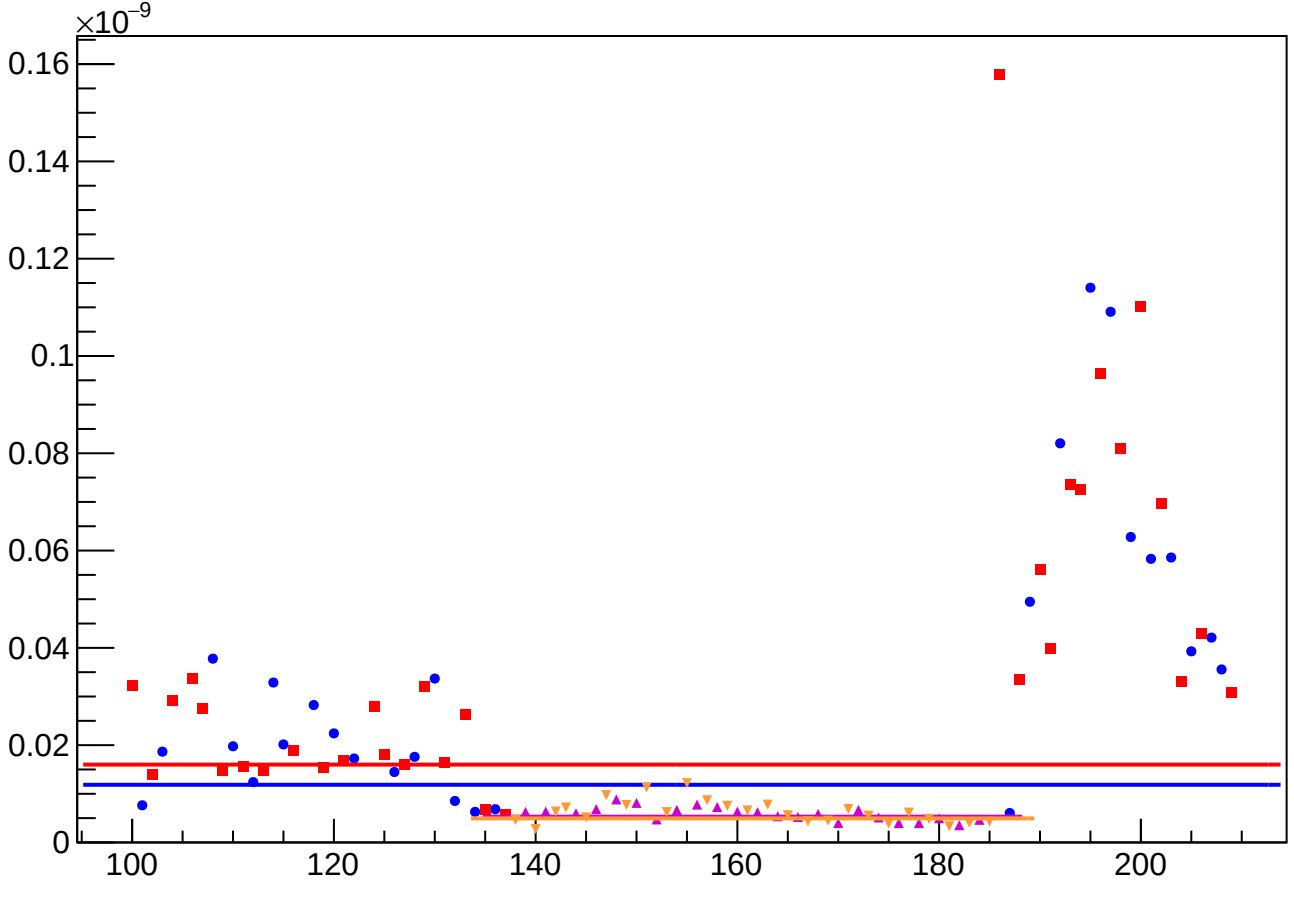
Left: 0.000+/-0.000 χ^2/NDF: 53.0/47

Right: 0.000+/-0.000 χ^2/NDF: 64.1/58

In: 0.000+/-0.000 χ^2/NDF:51.2/49

Out: 0.000+/-0.000 χ^2/NDF:67.5/56

All: 0.000+/-0.000 χ^2/NDF: 119.4/106



Right In: 0.000+/-0.000 χ^2/NDF: 8511588.6/26

Left Out: 0.000+/-0.000 χ^2/NDF:2747591.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 7810179.2/31

Left In: 0.000+/-0.000 χ^2/NDF:1247237.9/22

Left: 0.000+/-0.000 χ^2/NDF: 4044909.4/47

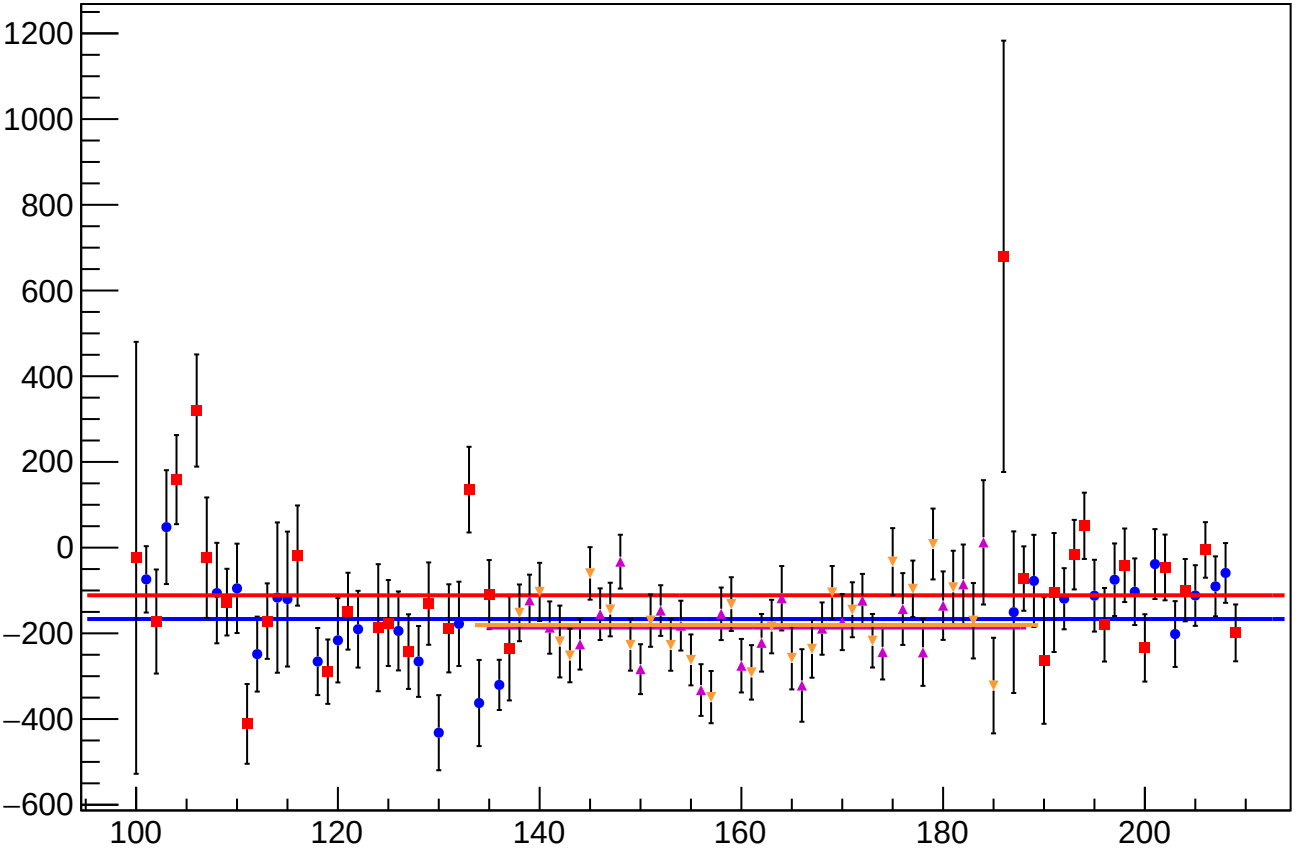
Right: 0.000+/-0.000 χ^2/NDF: 16781852.9/58

In: 0.000+/-0.000 χ^2/NDF:12371026.0/49

Out: 0.000+/-0.000 χ^2/NDF:15750707.1/56

All: 0.000+/-0.000 χ^2/NDF: 28169359.3/106

reg_asym_sam8_mean vs Slug, Sign Corrected



Right In: -166.612+/-16.761 χ^2/NDF: 39.4/26

Left Out: -180.685+/-13.419 χ^2/NDF:38.6/24

Right Out: -111.228+/-16.407 χ^2/NDF: 64.8/31

Left In: -186.567+/-13.860 χ^2/NDF:29.0/22

Left: -183.531+/-9.641 χ^2/NDF: 67.7/47

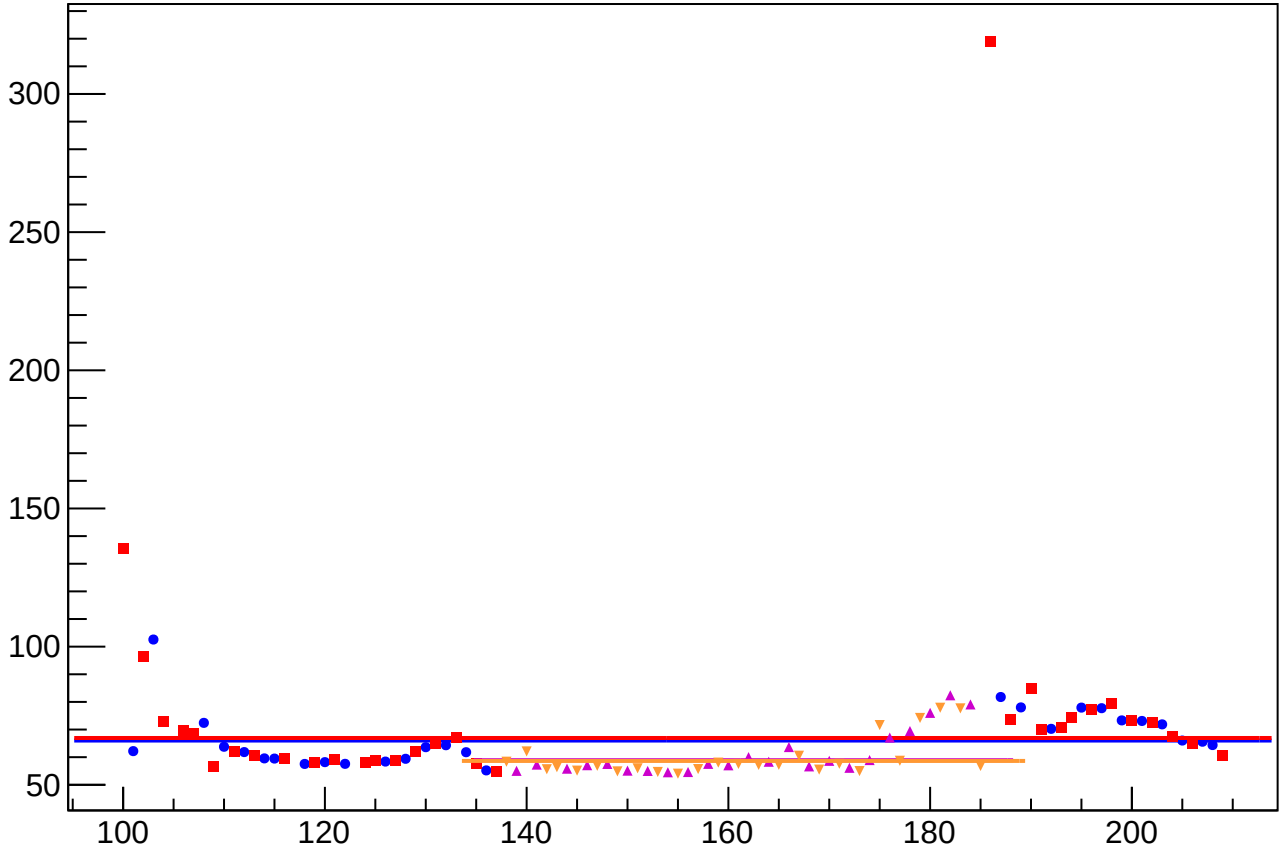
Right: -138.328+/-11.725 χ^2/NDF: 109.7/58

In: -178.464+/-10.681 χ^2/NDF:69.2/49

Out: -152.847+/-10.387 χ^2/NDF:114.1/56

All: -165.298+/-7.447 χ^2/NDF: 186.3/106

reg_asym_sam8_rms vs Slug, Sign Corrected



Right In: 66.021+/-0.012 χ^2/NDF: 497634.1/26

Left Out: 58.644+/-0.009 χ^2/NDF:393880.8/24

Right Out: 66.945+/-0.012 χ^2/NDF: 1039780.5/31

Left In: 58.906+/-0.010 χ^2/NDF:386820.4/22

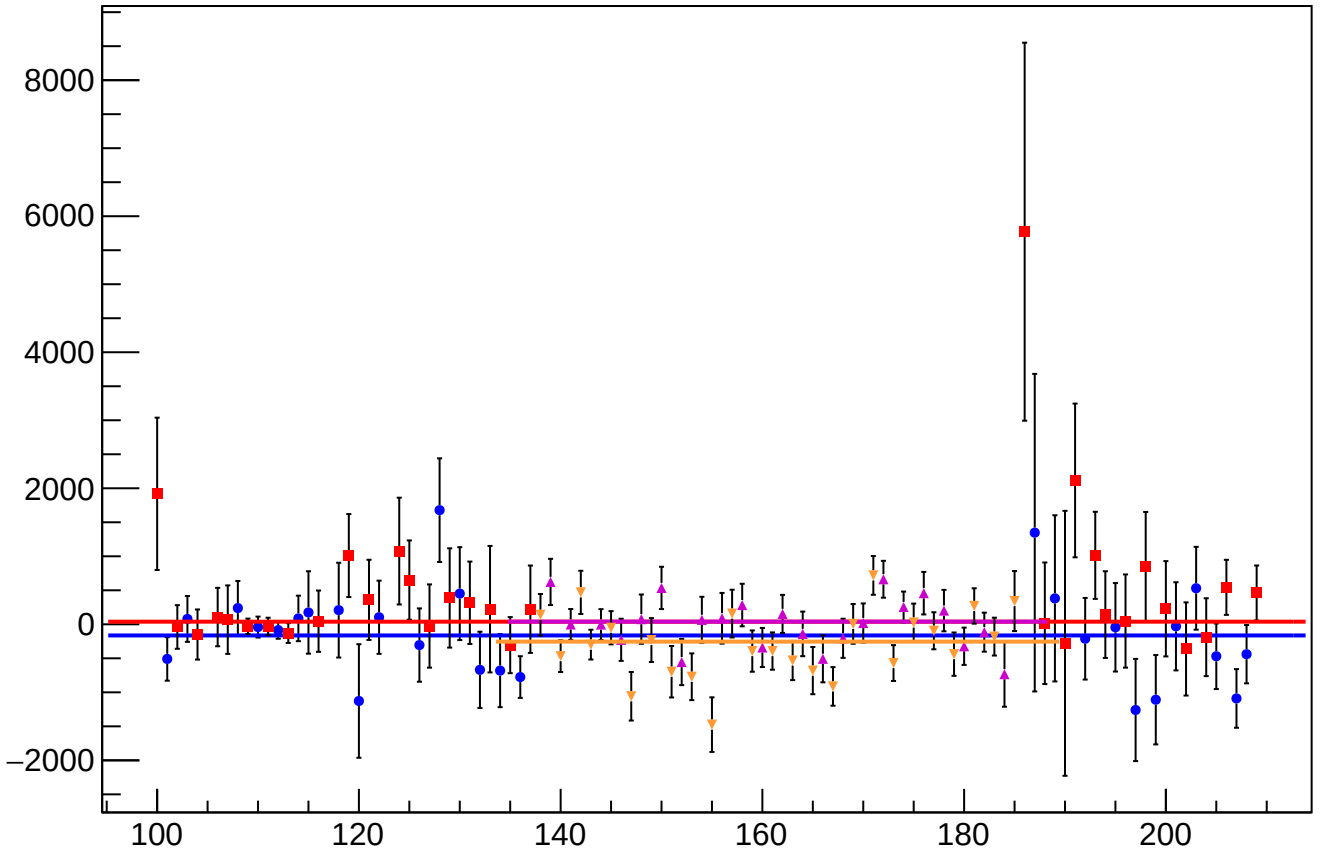
Left: 58.771+/-0.007 χ^2/NDF: 781070.9/47

Right: 66.493+/-0.008 χ^2/NDF: 1540521.3/58

In: 61.795+/-0.008 χ^2/NDF:1098447.3/49

Out: 61.971+/-0.007 χ^2/NDF:1740426.7/56

All: 61.886+/-0.005 χ^2/NDF: 2839152.3/106



Right In: -163.830+/-70.280 χ^2/NDF: 30.5/26

Left Out: -254.628+/-58.877 χ^2/NDF:57.6/24

Right Out: 38.728+/-60.289 χ^2/NDF: 26.4/31

Left In: 39.147+/-61.883 χ^2/NDF:28.3/22

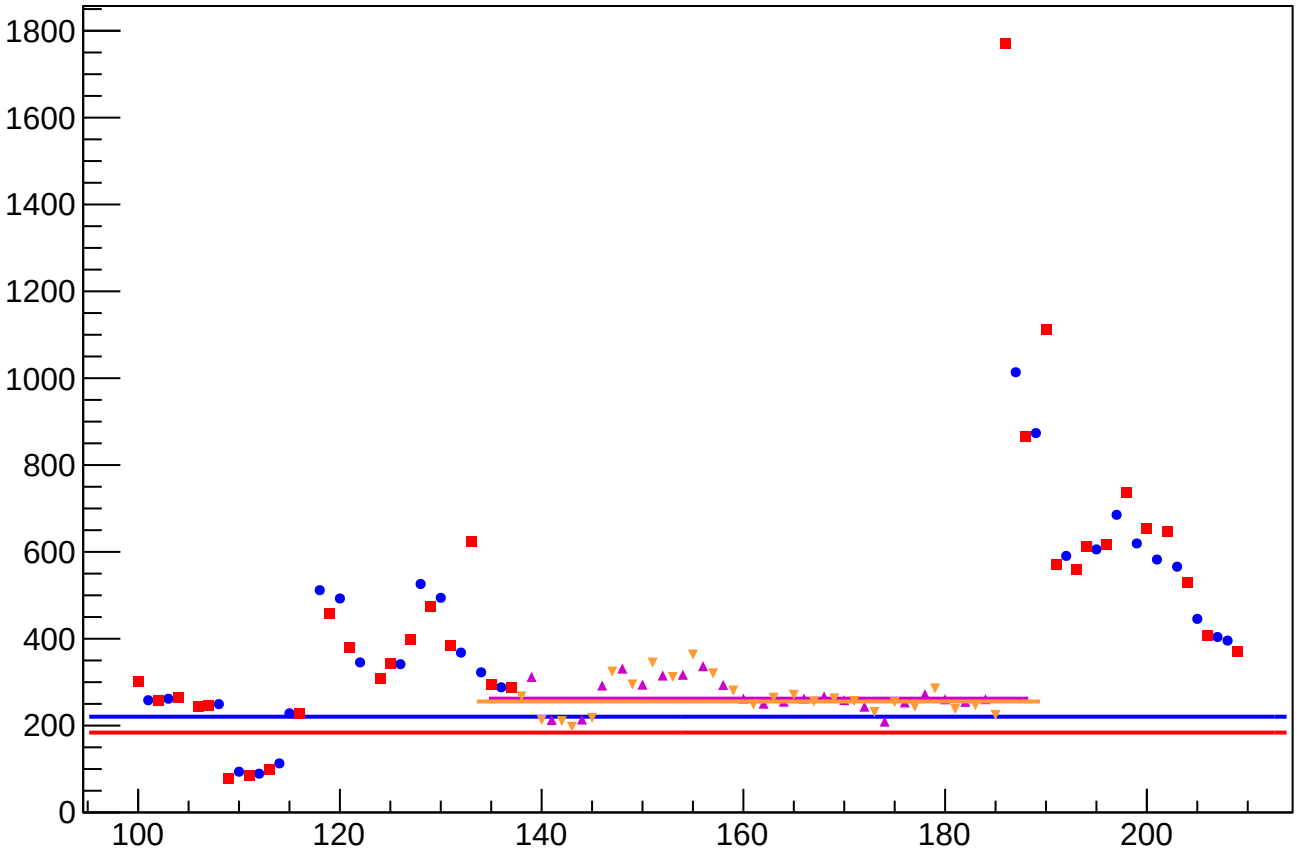
Left: -115.050+/-42.655 χ^2/NDF: 97.8/47

Right: -47.142+/-45.759 χ^2/NDF: 61.7/58

In: -49.497+/-46.444 χ^2/NDF:63.6/49

Out: -111.427+/-42.122 χ^2/NDF:96.1/56

All: -83.477+/-31.201 χ^2/NDF: 160.7/106



Right In: 220.466+/-0.050 χ^2/NDF: 11651773.8/26

Left Out: 255.469+/-0.042 χ^2/NDF:863866.8/24

Right Out: 183.958+/-0.043 χ^2/NDF: 15534382.9/31

Left In: 262.007+/-0.044 χ^2/NDF:670576.2/22

Left: 258.576+/-0.030 χ^2/NDF: 1546159.8/47

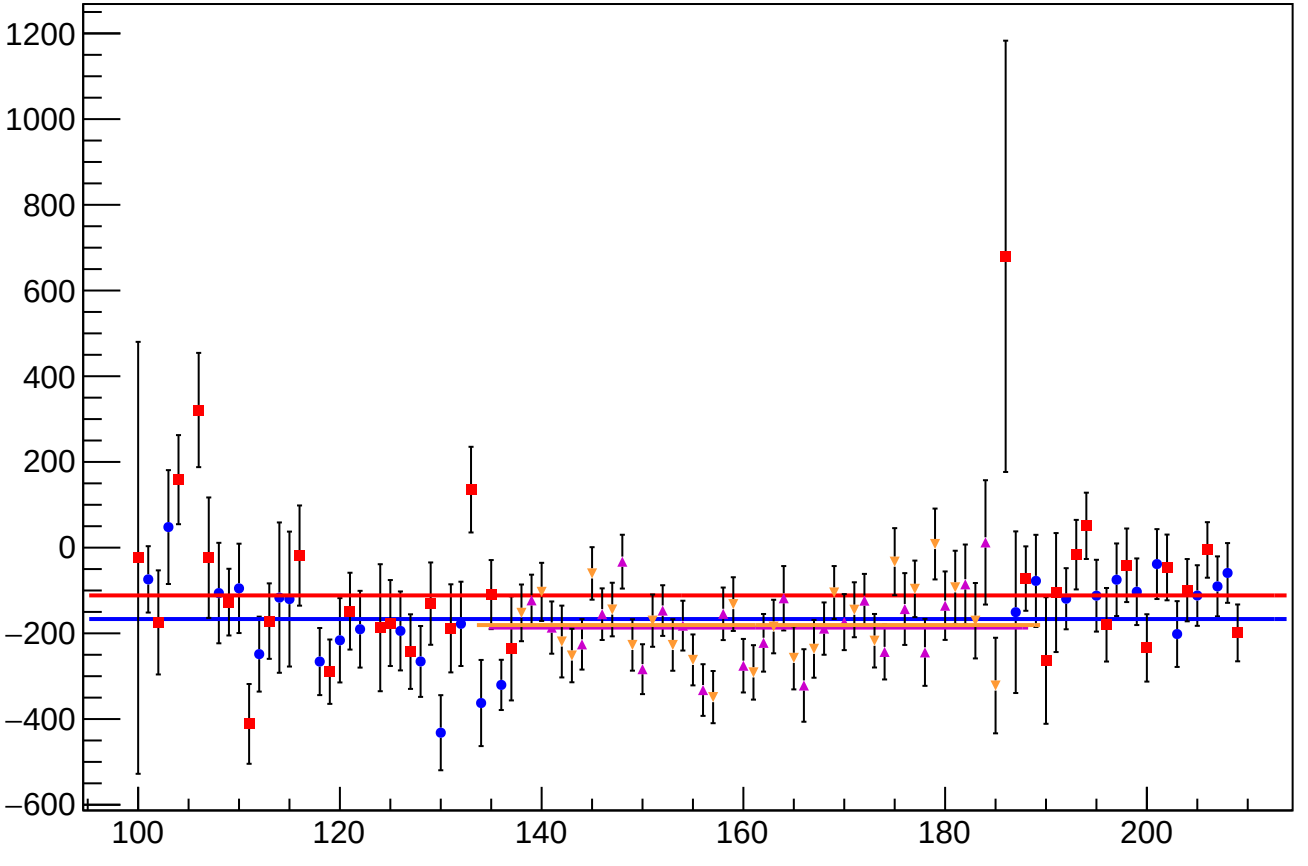
Right: 199.435+/-0.032 χ^2/NDF: 27497042.0/58

In: 243.865+/-0.033 χ^2/NDF:12715951.0/49

Out: 220.561+/-0.030 χ^2/NDF:17838520.5/56

All: 231.079+/-0.022 χ^2/NDF: 30830745.8/10

cor_asym_sam8_mean vs Slug, Sign Corrected



Right In: -166.613+/-16.761 χ^2/NDF: 39.4/26

Left Out: -180.680+/-13.419 χ^2/NDF:38.6/24

Right Out: -111.490+/-16.412 χ^2/NDF: 64.4/31

Left In: -186.567+/-13.860 χ^2/NDF:29.0/22

Left: -183.529+/-9.641 χ^2/NDF: 67.7/47

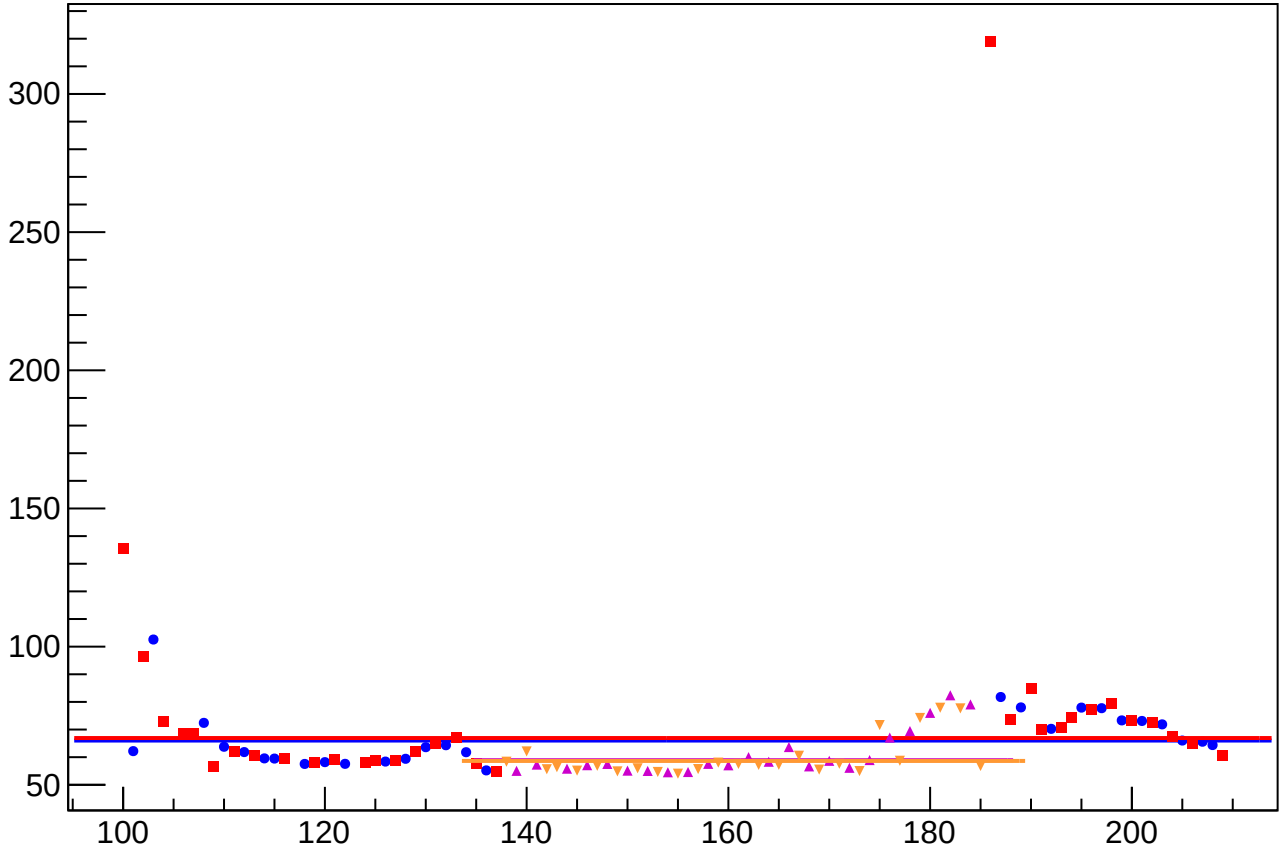
Right: -138.470+/-11.727 χ^2/NDF: 109.4/58

In: -178.464+/-10.681 χ^2/NDF:69.2/49

Out: -152.958+/-10.388 χ^2/NDF:113.7/56

All: -165.357+/-7.447 χ^2/NDF: 185.9/106

cor_asym_sam8_rms vs Slug, Sign Corrected



Right In: 66.021+/-0.012 χ^2/NDF: 497636.5/26

Left Out: 58.644+/-0.009 χ^2/NDF:393880.8/24

Right Out: 66.926+/-0.012 χ^2/NDF: 1039389.3/31

Left In: 58.906+/-0.010 χ^2/NDF:386820.4/22

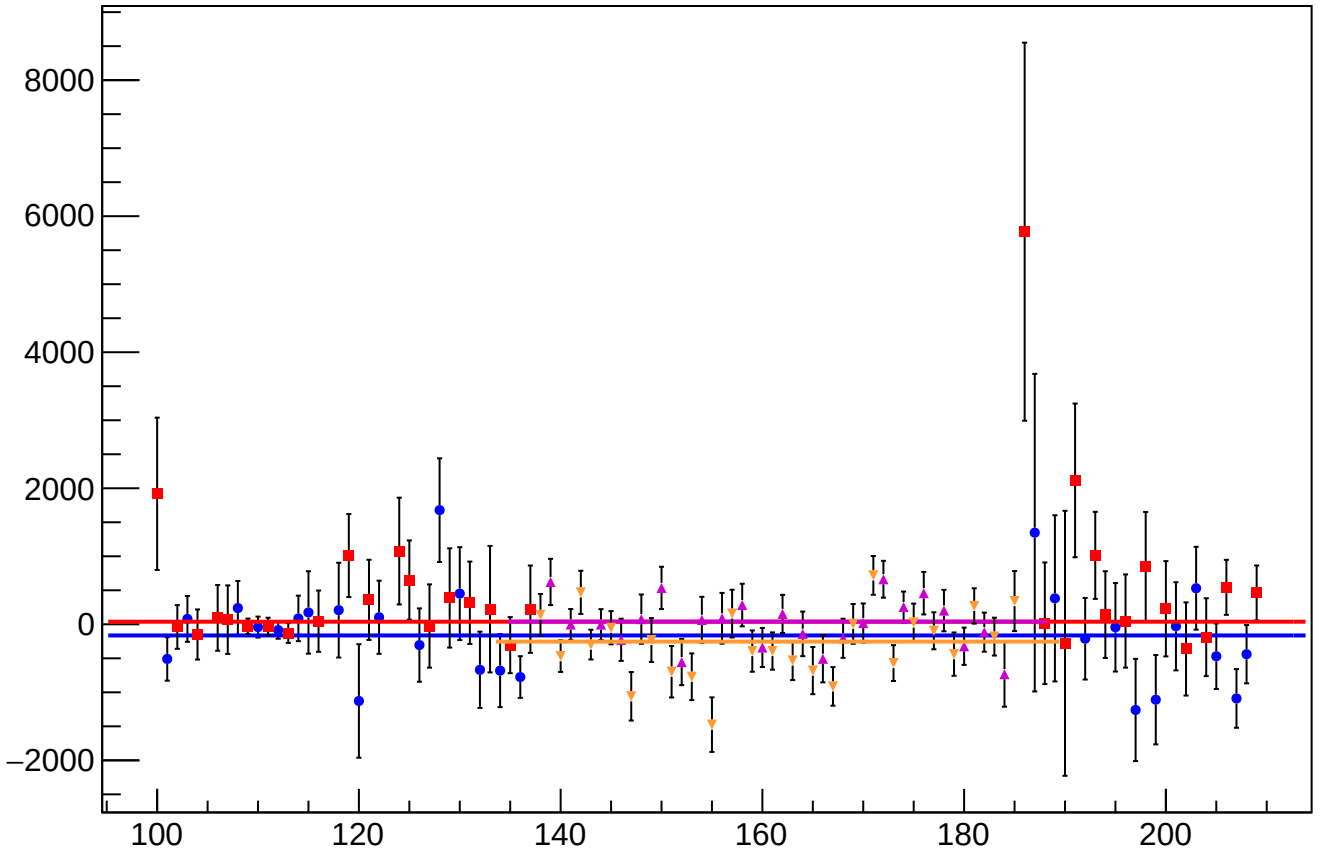
Left: 58.771+/-0.007 χ^2/NDF: 781071.0/47

Right: 66.483+/-0.008 χ^2/NDF: 1540005.5/58

In: 61.795+/-0.008 χ^2/NDF:1098449.9/49

Out: 61.962+/-0.007 χ^2/NDF:1738530.0/56

All: 61.881+/-0.005 χ^2/NDF: 2837231.1/106



Right In: -163.816+/-70.281 χ^2/NDF: 30.5/26

Left Out: -254.625+/-58.877 χ^2/NDF:57.6/24

Right Out: 38.270+/-60.416 χ^2/NDF: 26.3/31

Left In: 39.144+/-61.883 χ^2/NDF:28.3/22

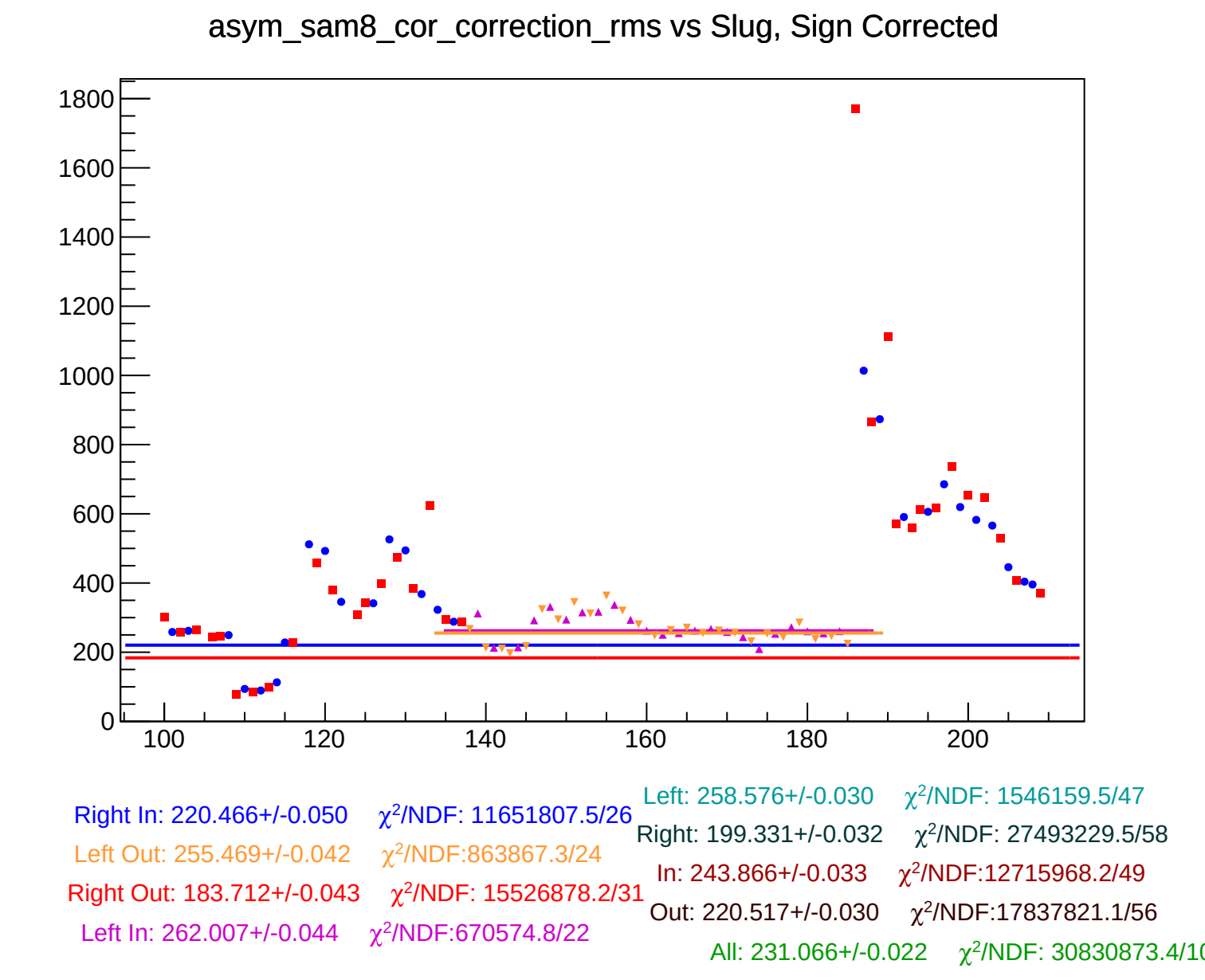
Left: -115.050+/-42.655 χ^2/NDF: 97.8/47

Right: -47.607+/-45.815 χ^2/NDF: 61.6/58

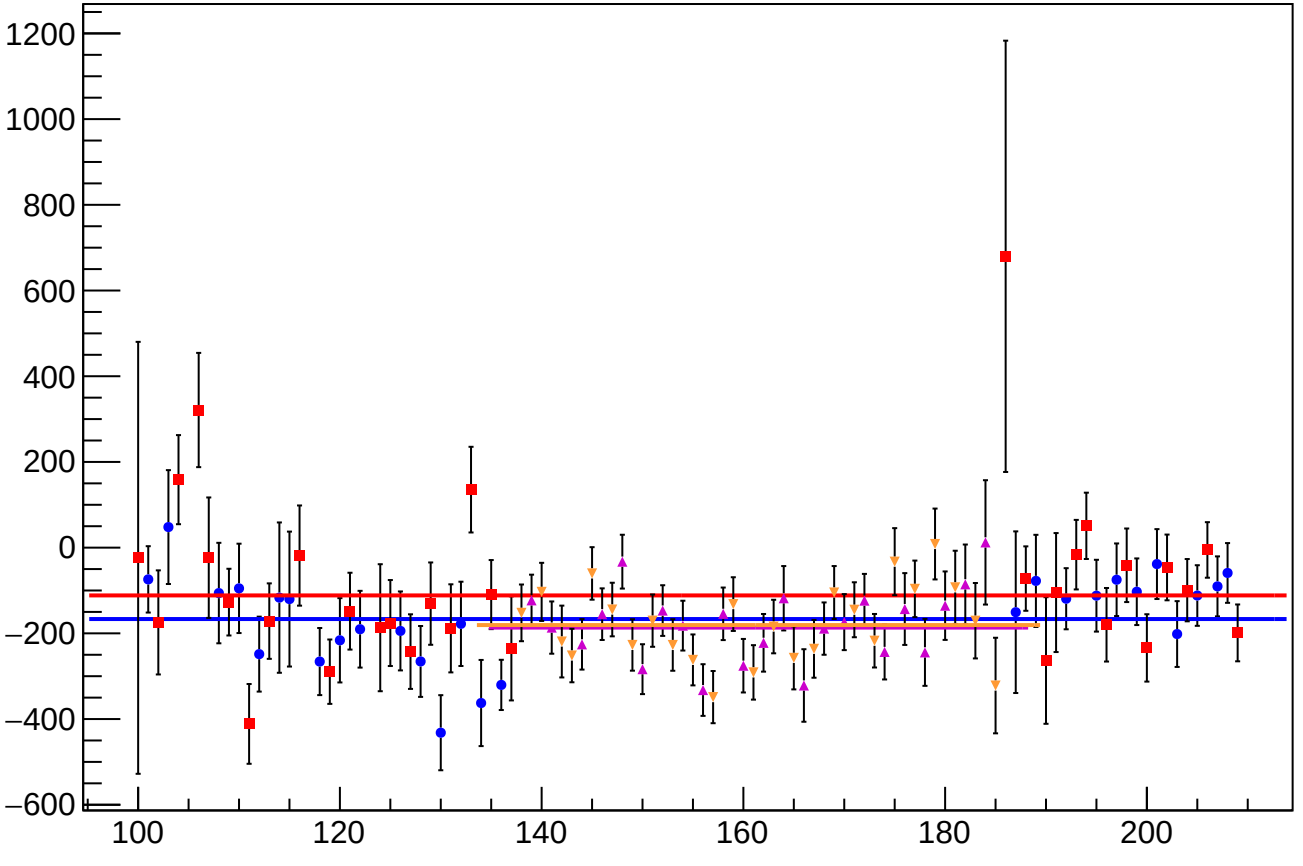
In: -49.492+/-46.445 χ^2/NDF:63.6/49

Out: -111.958+/-42.166 χ^2/NDF:96.0/56

All: -83.734+/-31.219 χ^2/NDF: 160.6/106


asym_sam8_cor_correction_rms vs Slug, Sign Corrected
1800
1600
1400
1200
1000
800
600
400
200
0
100
120
140
160
180
200
Right In: 220.466+/-0.050 χ²/NDF: 11651807.5/26
Left Out: 255.469+/-0.042 χ²/NDF:863867.3/24
Right Out: 183.712+/-0.043 χ²/NDF: 15526878.2/31
Left In: 262.007+/-0.044 χ²/NDF:670574.8/22
Left: 258.576+/-0.030 χ²/NDF: 1546159.5/47
Right: 199.331+/-0.032 χ²/NDF: 27493229.5/58
In: 243.866+/-0.033 χ²/NDF:12715968.2/49
Out: 220.517+/-0.030 χ²/NDF:17837821.1/56
All: 231.066+/-0.022 χ²/NDF: 30830873.4/10

eigen_cor_asym_sam8_mean vs Slug, Sign Corrected



Right In: -166.613+/-16.761 χ^2/NDF: 39.4/26

Left Out: -180.680+/-13.419 χ^2/NDF:38.6/24

Right Out: -111.490+/-16.412 χ^2/NDF: 64.4/31

Left In: -186.567+/-13.860 χ^2/NDF:29.0/22

Left: -183.529+/-9.641 χ^2/NDF: 67.7/47

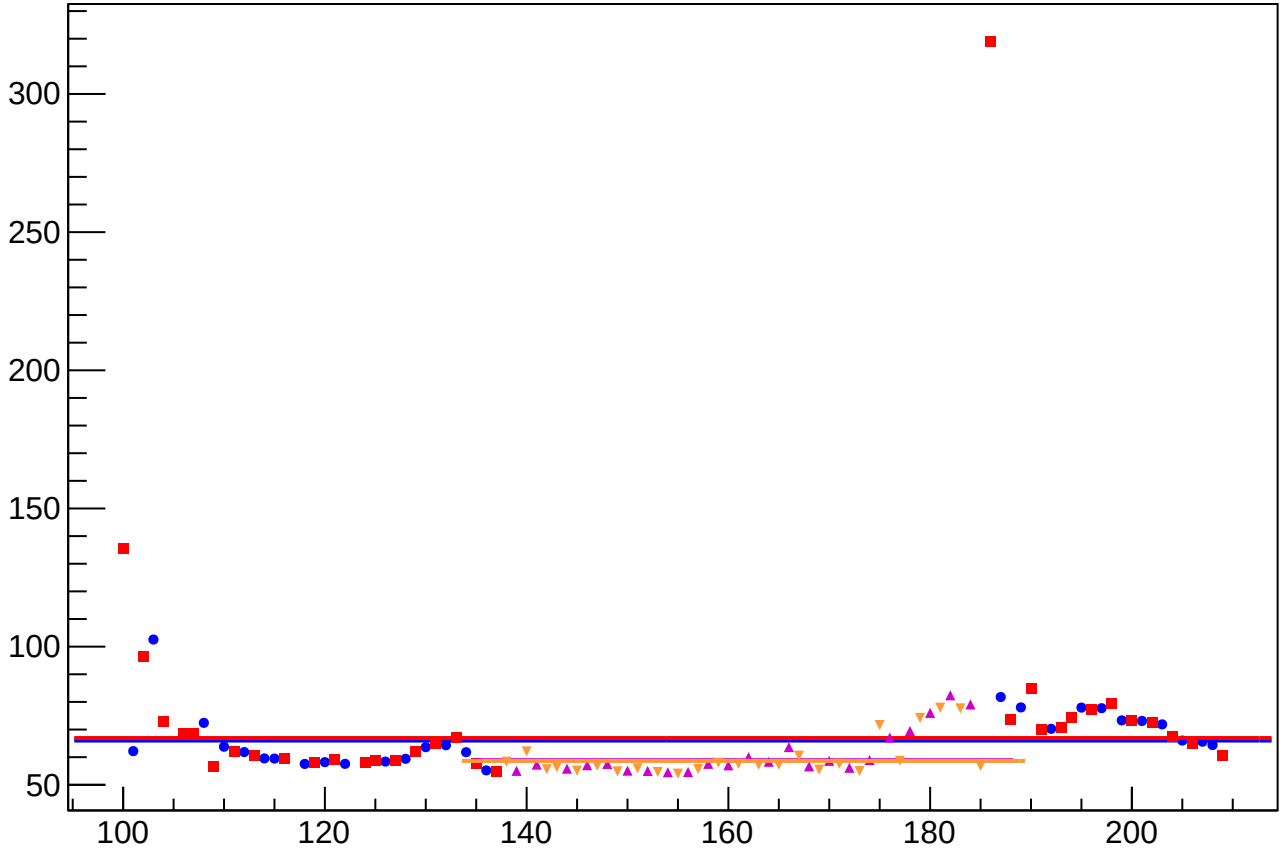
Right: -138.470+/-11.727 χ^2/NDF: 109.4/58

In: -178.464+/-10.681 χ^2/NDF:69.2/49

Out: -152.958+/-10.388 χ^2/NDF:113.7/56

All: -165.357+/-7.447 χ^2/NDF: 185.9/106

eigen_cor_asym_sam8_rms vs Slug, Sign Corrected



Right In: 66.021+/-0.012 χ^2/NDF: 497636.5/26

Left Out: 58.644+/-0.009 χ^2/NDF:393880.8/24

Right Out: 66.926+/-0.012 χ^2/NDF: 1039389.3/31

Left In: 58.906+/-0.010 χ^2/NDF:386820.4/22

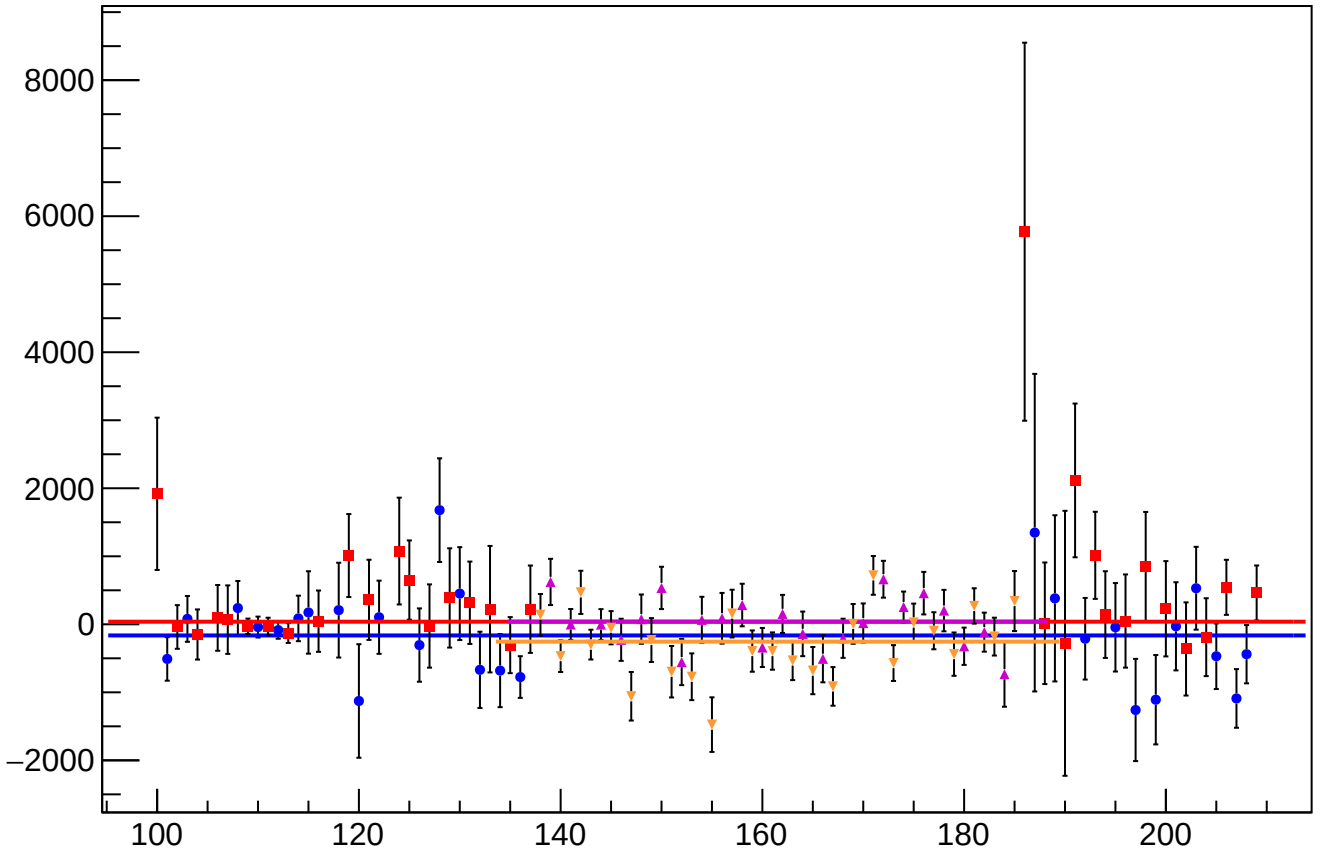
Left: 58.771+/-0.007 χ^2/NDF: 781071.0/47

Right: 66.483+/-0.008 χ^2/NDF: 1540005.5/58

In: 61.795+/-0.008 χ^2/NDF:1098449.9/49

Out: 61.962+/-0.007 χ^2/NDF:1738530.0/56

All: 61.881+/-0.005 χ^2/NDF: 2837231.1/106



Right In: -163.816+/-70.281 χ^2/NDF: 30.5/26

Left Out: -254.625+/-58.877 χ^2/NDF:57.6/24

Right Out: 38.270+/-60.416 χ^2/NDF: 26.3/31

Left In: 39.144+/-61.883 χ^2/NDF:28.3/22

Left: -115.050+/-42.655 χ^2/NDF: 97.8/47

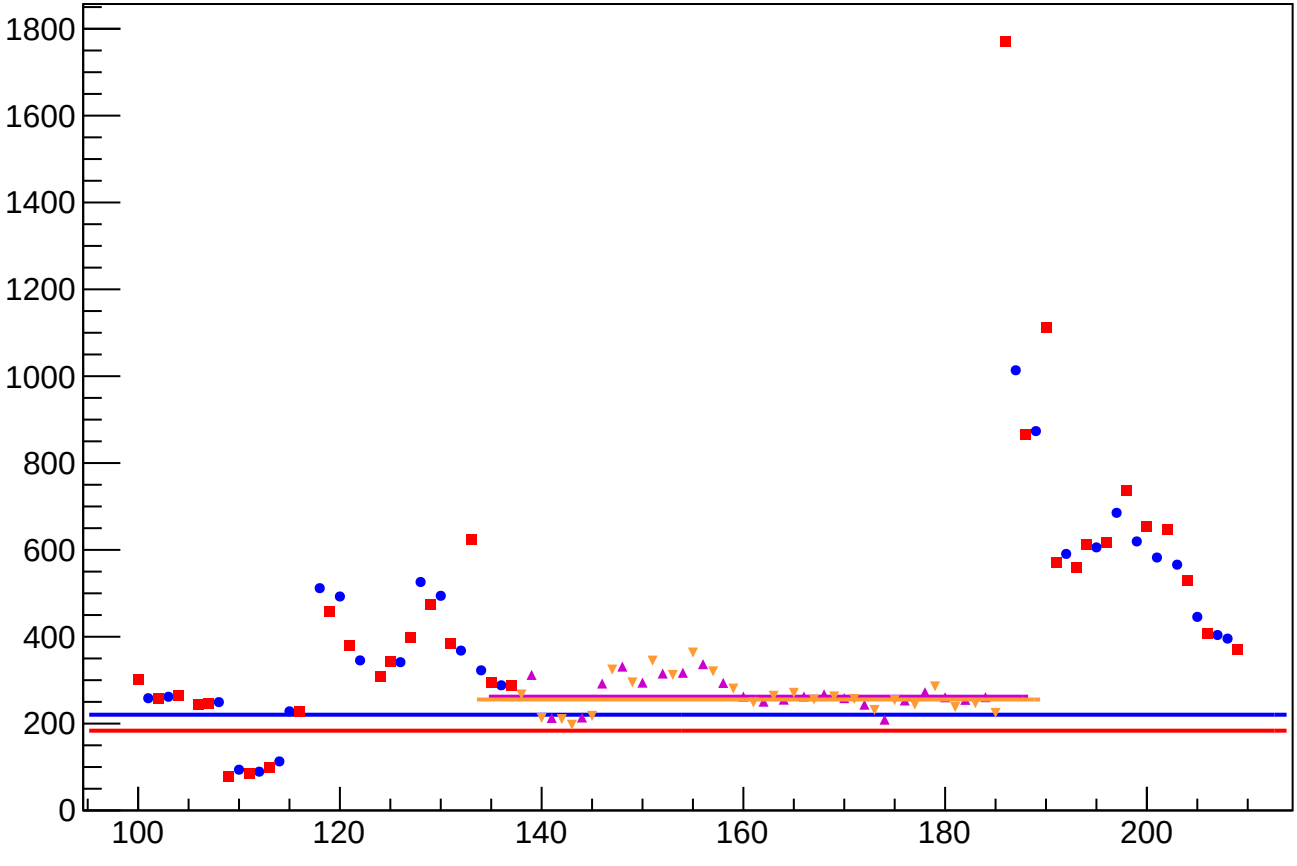
Right: -47.607+/-45.815 χ^2/NDF: 61.6/58

In: -49.492+/-46.445 χ^2/NDF:63.6/49

Out: -111.958+/-42.166 χ^2/NDF:96.0/56

All: -83.734+/-31.219 χ^2/NDF: 160.6/106

asym_sam8_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 220.466+/-0.050 χ^2/NDF: 11651807.5/26

Left Out: 255.469+/-0.042 χ^2/NDF:863867.3/24

Right Out: 183.712+/-0.043 χ^2/NDF: 15526878.2/31

Left In: 262.007+/-0.044 χ^2/NDF:670574.8/22

Left: 258.576+/-0.030 χ^2/NDF: 1546159.5/47

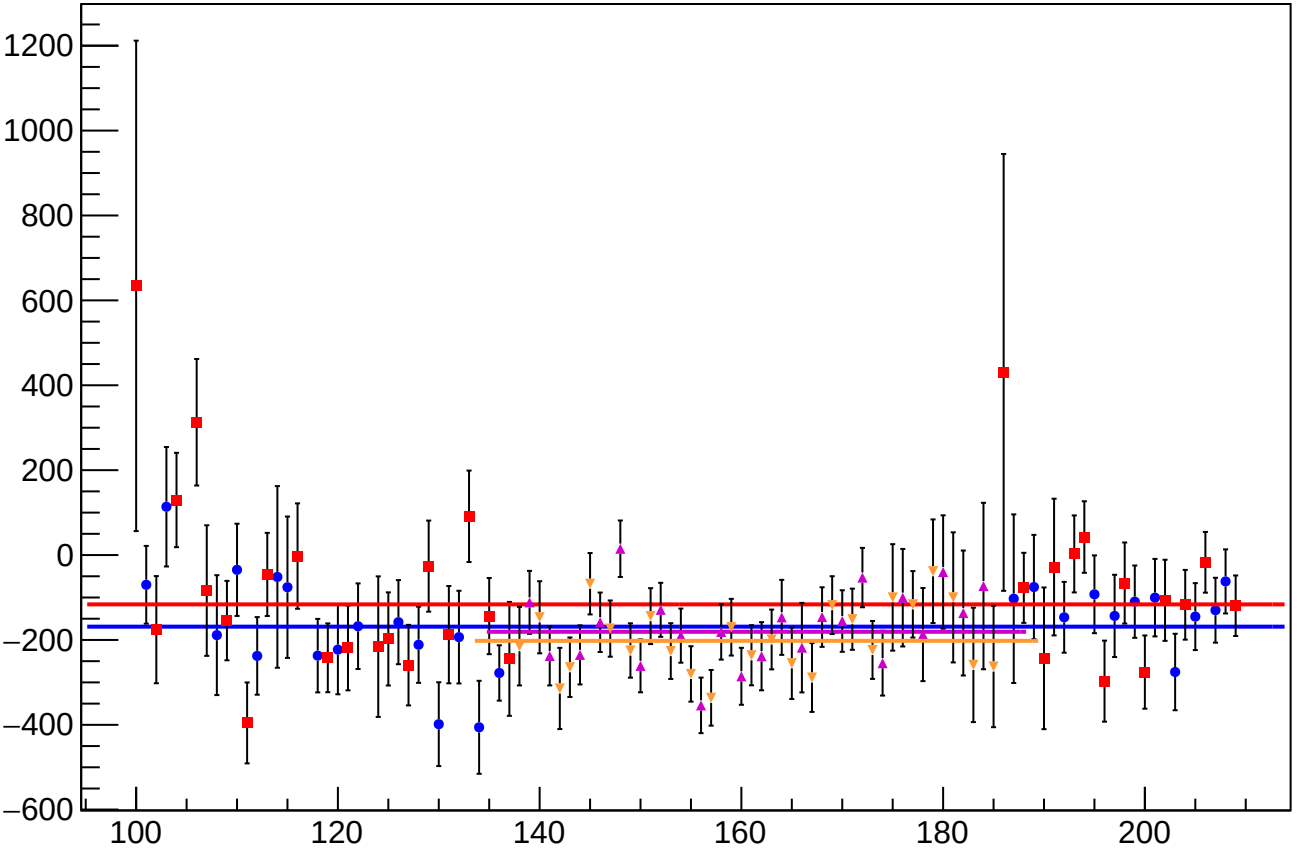
Right: 199.331+/-0.032 χ^2/NDF: 27493229.5/58

In: 243.866+/-0.033 χ^2/NDF:12715968.2/49

Out: 220.517+/-0.030 χ^2/NDF:17837821.1/56

All: 231.066+/-0.022 χ^2/NDF: 30830873.4/10

dit_asym_sam8_mean vs Slug, Sign Corrected



Right In: -168.689+/-18.620 χ^2/NDF: 28.3/26

Left Out: -202.090+/-15.538 χ^2/NDF:21.5/24

Right Out: -116.203+/-18.165 χ^2/NDF: 54.4/31

Left In: -180.784+/-16.019 χ^2/NDF:30.1/22

Left: -191.762+/-11.153 χ^2/NDF: 52.6/47

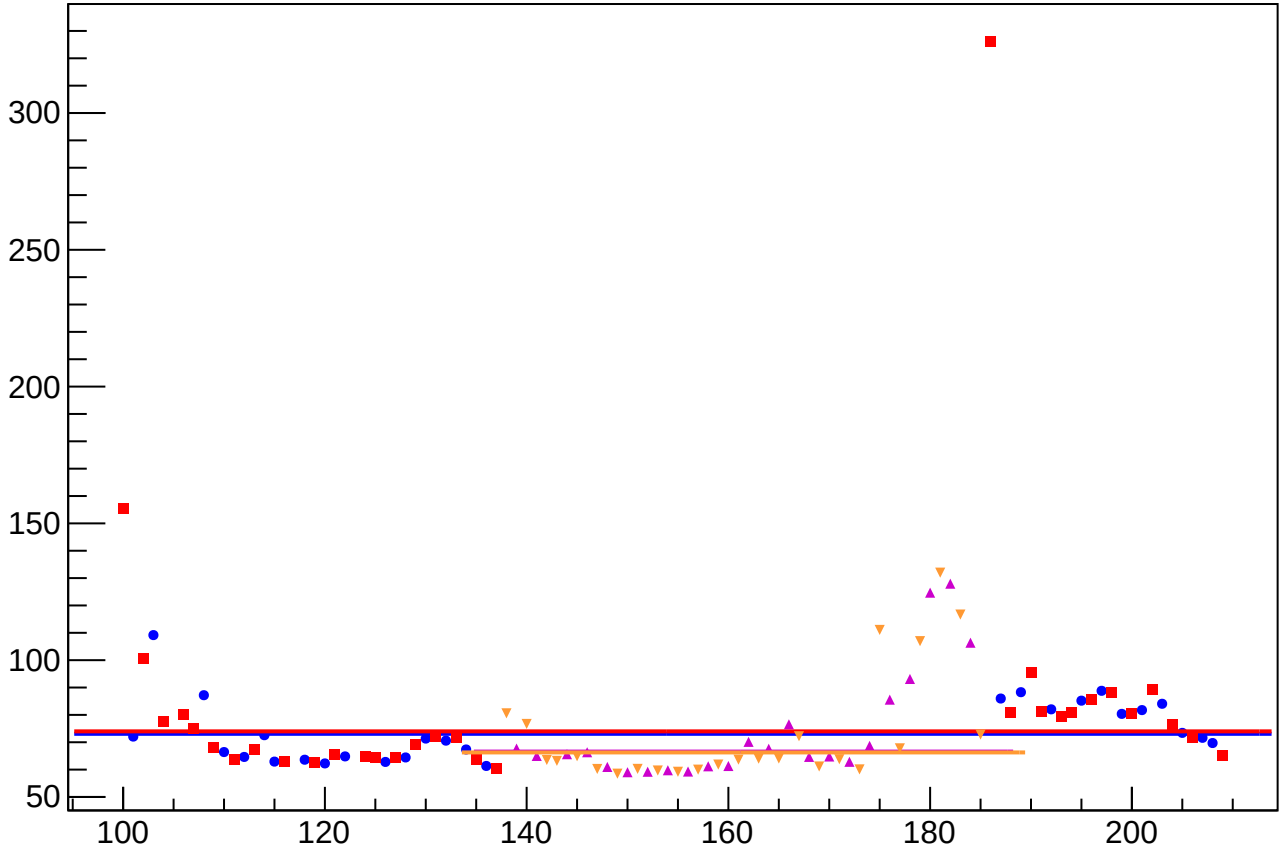
Right: -141.796+/-13.002 χ^2/NDF: 86.8/58

In: -175.640+/-12.143 χ^2/NDF:58.7/49

Out: -165.800+/-11.807 χ^2/NDF:88.8/56

All: -170.582+/-8.465 χ^2/NDF: 147.8/106

dit_asym_sam8_rms vs Slug, Sign Corrected



Right In: 73.084+/-0.013 χ^2/NDF: 571166.0/26

Left Out: 66.279+/-0.011 χ^2/NDF:1393879.2/24

Right Out: 73.980+/-0.013 χ^2/NDF: 1059901.3/31

Left In: 66.585+/-0.011 χ^2/NDF:1158238.0/22

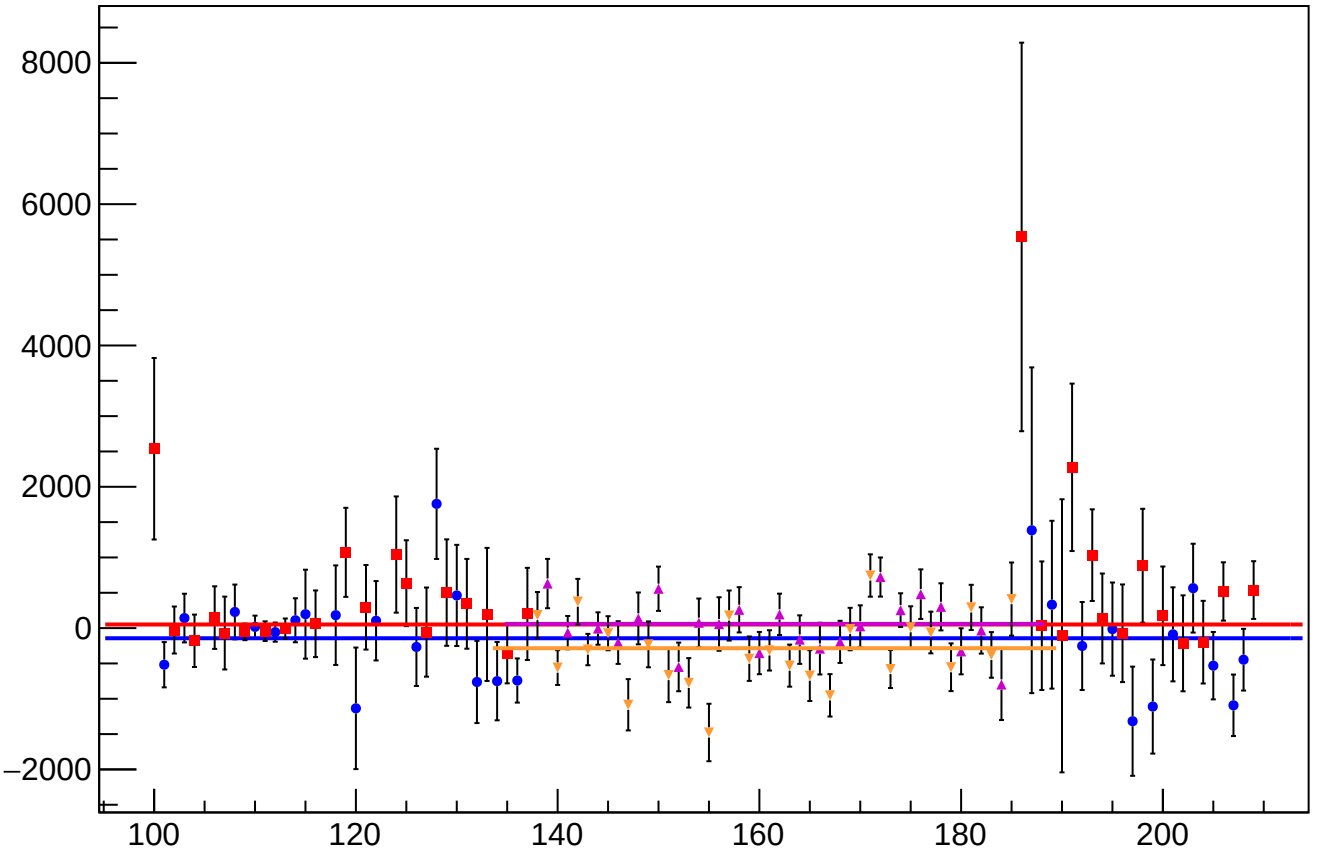
Left: 66.427+/-0.008 χ^2/NDF: 2552494.2/47

Right: 73.543+/-0.009 χ^2/NDF: 1633439.2/58

In: 69.349+/-0.009 χ^2/NDF:1869396.5/49

Out: 69.533+/-0.008 χ^2/NDF:2661347.7/56

All: 69.444+/-0.006 χ^2/NDF: 4530978.7/106



Right In: -143.489+/-72.365 χ^2/NDF: 32.1/26

Left Out: -284.450+/-61.727 χ^2/NDF:54.6/24

Right Out: 51.311+/-62.016 χ^2/NDF: 26.5/31

Left In: 59.160+/-64.636 χ^2/NDF:26.8/22

Left: -120.551+/-44.641 χ^2/NDF: 96.2/47

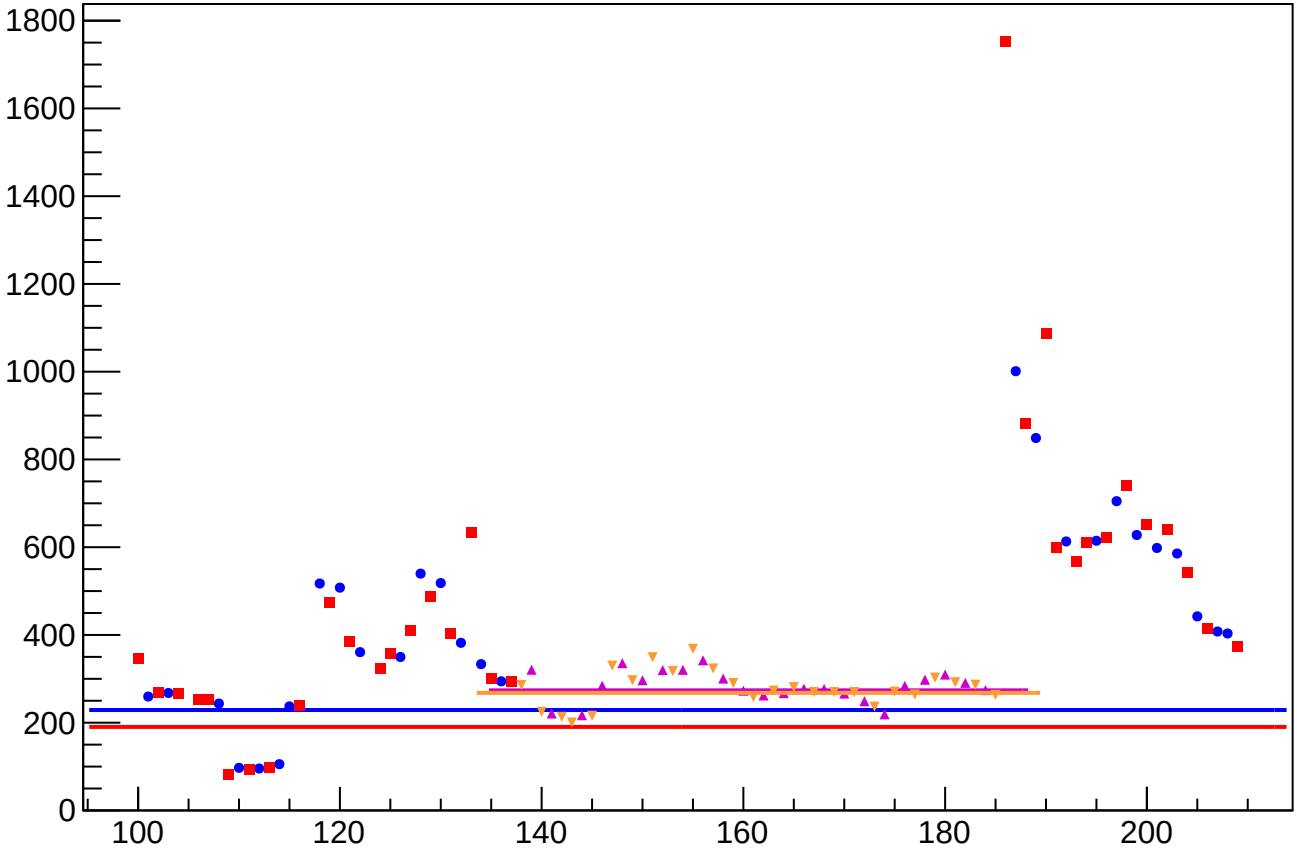
Right: -31.176+/-47.090 χ^2/NDF: 62.8/58

In: -30.769+/-48.206 χ^2/NDF:63.3/49

Out: -117.353+/-43.750 χ^2/NDF:95.9/56

All: -78.248+/-32.397 χ^2/NDF: 160.9/106

asym_sam8_dit_correction_rms vs Slug, Sign Corrected



Right In: 228.906+/-0.051 χ^2/NDF: 11373267.8/26

Left Out: 267.985+/-0.044 χ^2/NDF:862786.9/24

Right Out: 190.408+/-0.044 χ^2/NDF: 15305417.9/31

Left In: 273.751+/-0.046 χ^2/NDF:650295.5/22

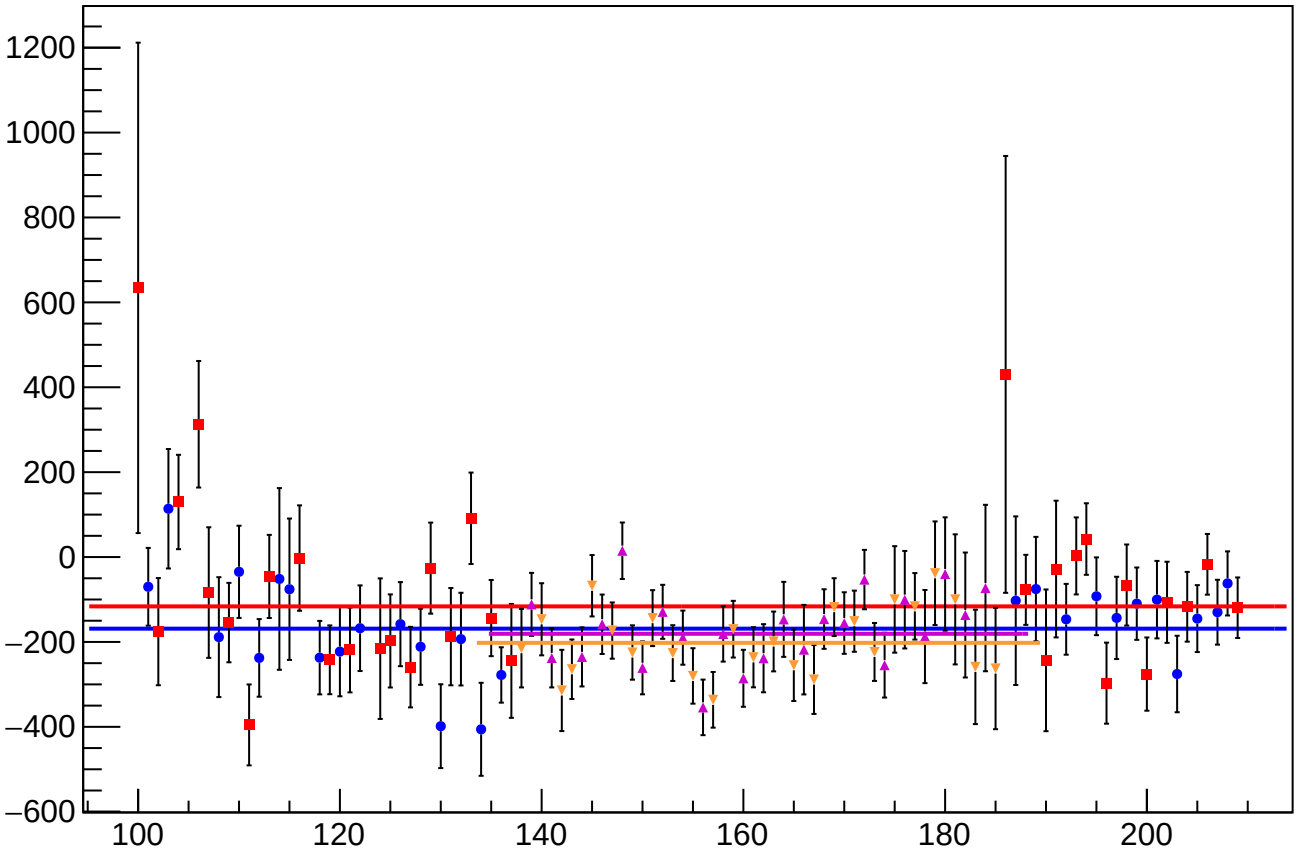
Left: 270.736+/-0.032 χ^2/NDF: 1521404.4/47

Right: 206.709+/-0.033 χ^2/NDF: 27005040.1/58

In: 253.850+/-0.034 χ^2/NDF:12450797.0/49

Out: 229.378+/-0.031 χ^2/NDF:17740328.3/56

All: 240.430+/-0.023 χ^2/NDF: 30473762.6/10



Right In: -168.689+/-18.620 χ^2/NDF: 28.3/26

Left Out: -202.090+/-15.538 χ^2/NDF:21.5/24

Right Out: -116.204+/-18.164 χ^2/NDF: 54.4/31

Left In: -180.785+/-16.019 χ^2/NDF:30.1/22

Left: -191.762+/-11.153 χ^2/NDF: 52.6/47

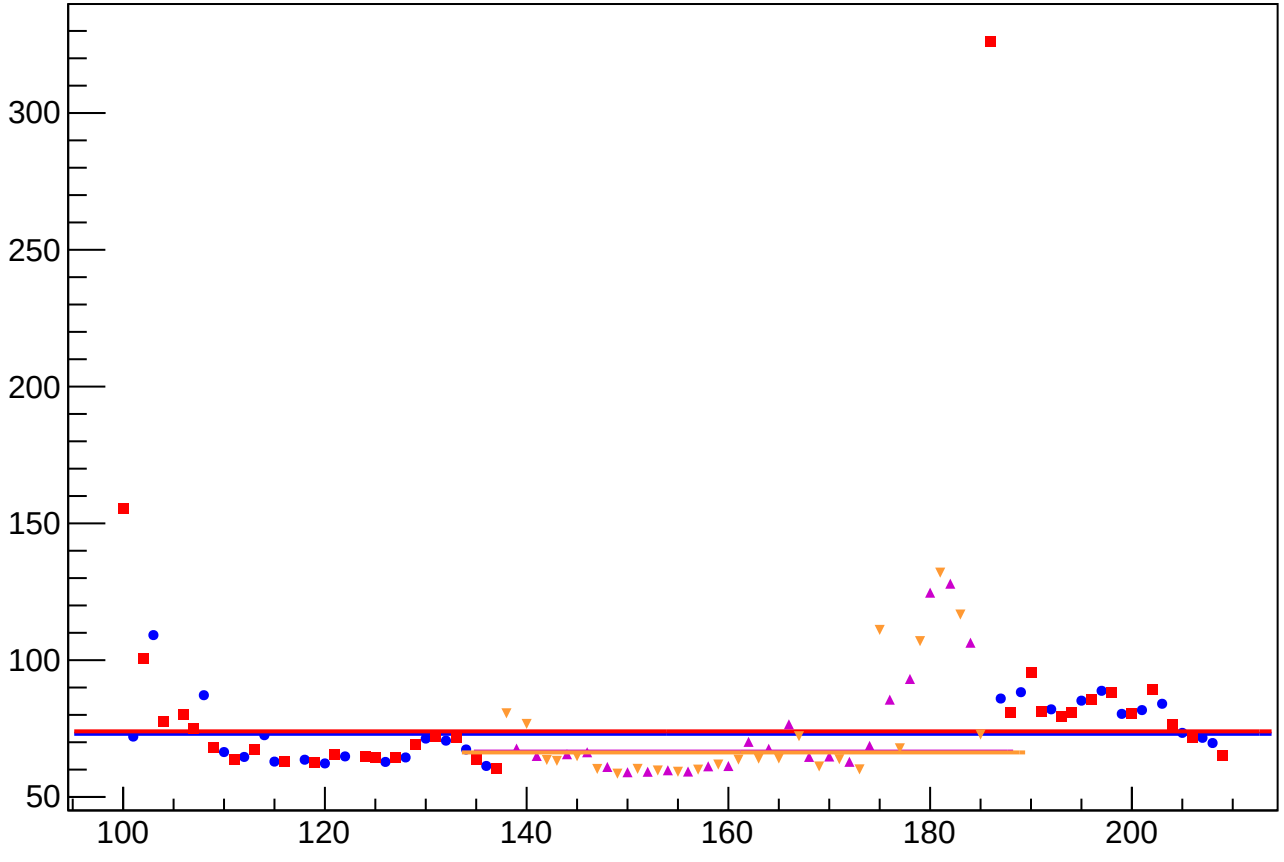
Right: -141.797+/-13.002 χ^2/NDF: 86.8/58

In: -175.640+/-12.143 χ^2/NDF:58.7/49

Out: -165.800+/-11.807 χ^2/NDF:88.8/56

All: -170.582+/-8.465 χ^2/NDF: 147.8/106

eigen_dit_asym_sam8_rms vs Slug, Sign Corrected



Right In: 73.084+/-0.013 χ^2/NDF: 571169.8/26

Left Out: 66.279+/-0.011 χ^2/NDF:1393881.3/24

Right Out: 73.979+/-0.013 χ^2/NDF: 1059905.5/31

Left In: 66.585+/-0.011 χ^2/NDF:1158231.7/22

Left: 66.428+/-0.008 χ^2/NDF: 2552490.1/47

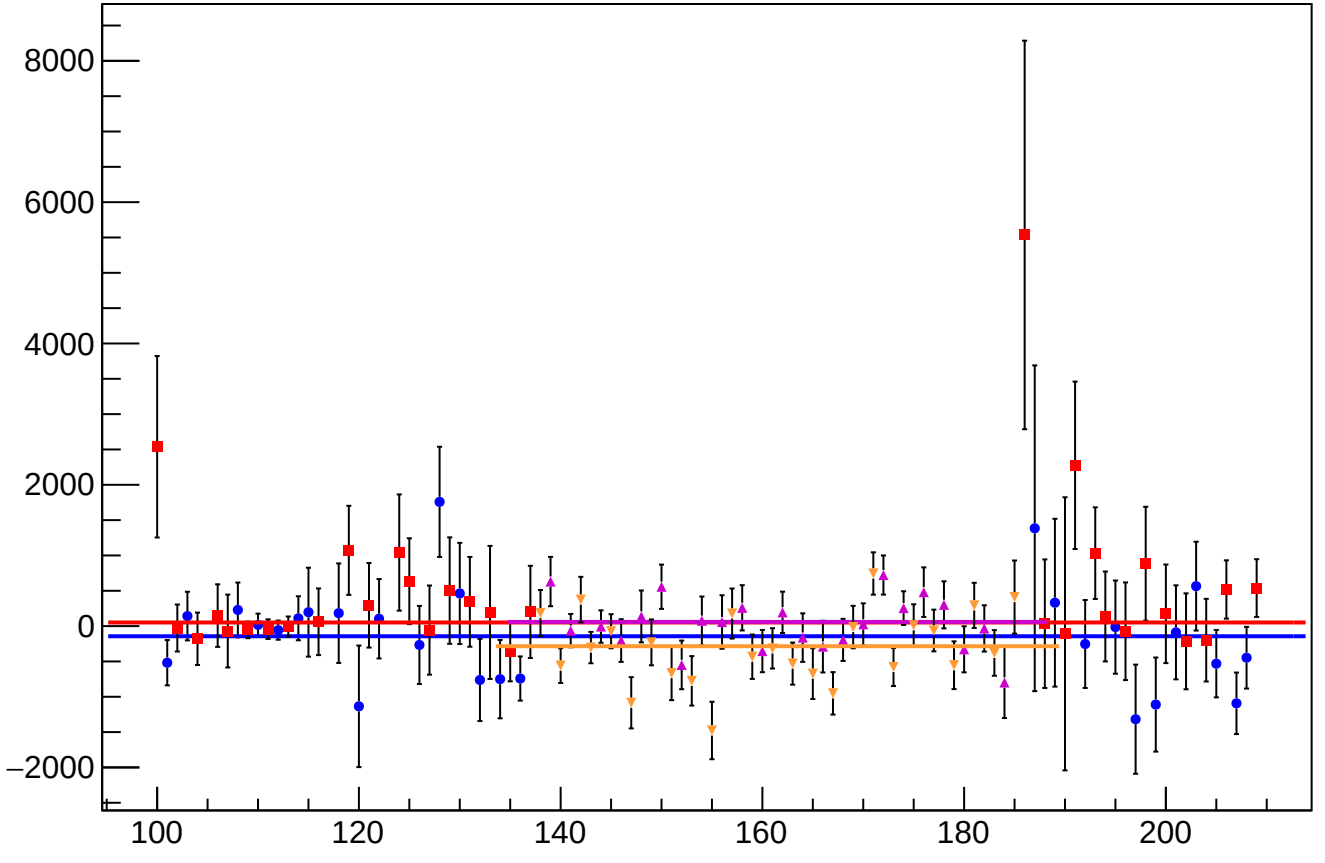
Right: 73.543+/-0.009 χ^2/NDF: 1633447.1/58

In: 69.349+/-0.009 χ^2/NDF:1869387.1/49

Out: 69.533+/-0.008 χ^2/NDF:2661344.8/56

All: 69.444+/-0.006 χ^2/NDF: 4530966.4/106

asym_sam8_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -143.487+/-72.364 χ^2/NDF: 32.1/26

Left Out: -284.450+/-61.727 χ^2/NDF:54.6/24

Right Out: 51.309+/-62.016 χ^2/NDF: 26.5/31

Left In: 59.160+/-64.636 χ^2/NDF:26.8/22

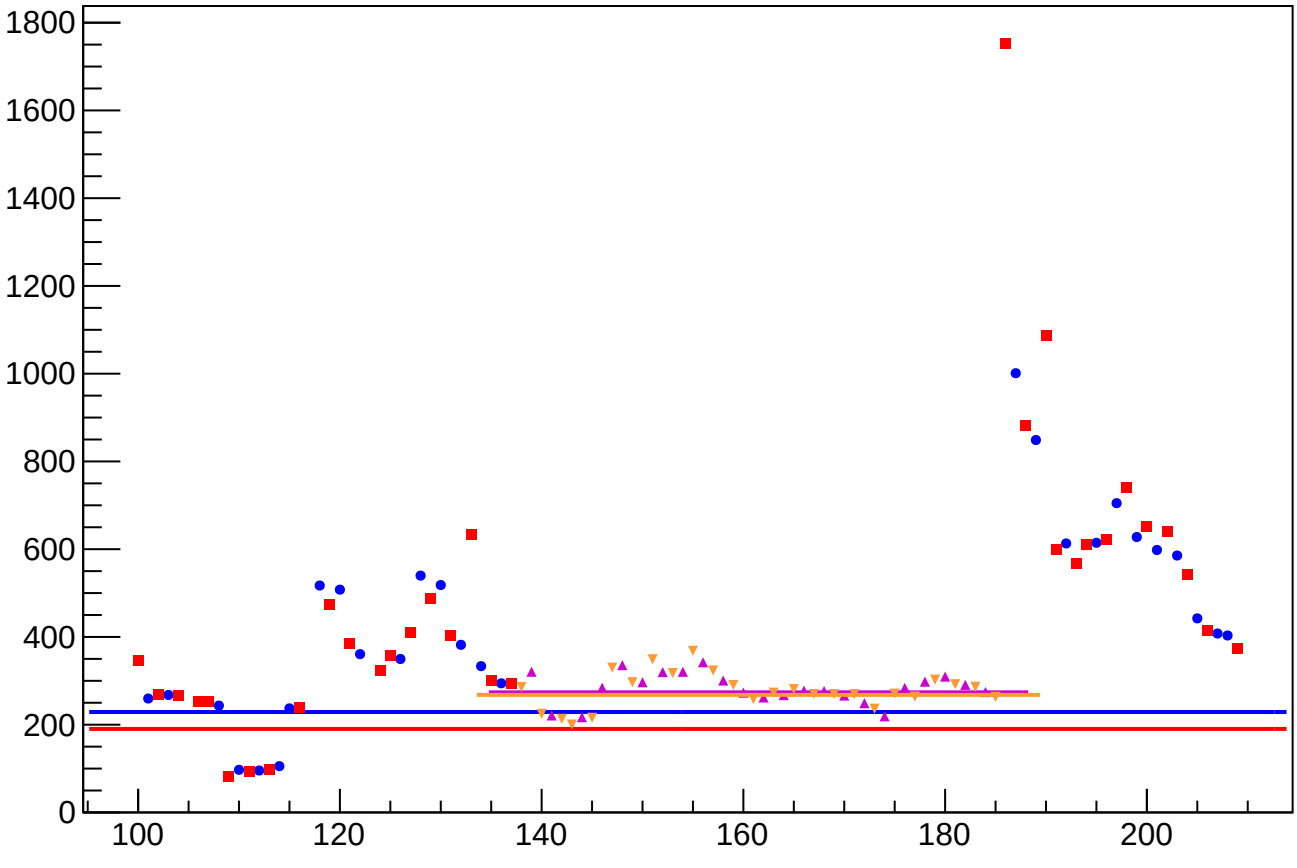
Left: -120.551+/-44.641 χ^2/NDF: 96.2/47

Right: -31.176+/-47.089 χ^2/NDF: 62.8/58

In: -30.768+/-48.206 χ^2/NDF:63.3/49

Out: -117.354+/-43.750 χ^2/NDF:95.9/56

All: -78.248+/-32.397 χ^2/NDF: 160.9/106



Right In: 228.904+/-0.051 χ^2/NDF: 11373341.4/26

Left Out: 267.985+/-0.044 χ^2/NDF:862797.1/24

Right Out: 190.407+/-0.044 χ^2/NDF: 15305407.6/31

Left In: 273.750+/-0.046 χ^2/NDF:650300.9/22

Left: 270.735+/-0.032 χ^2/NDF: 1521420.2/47

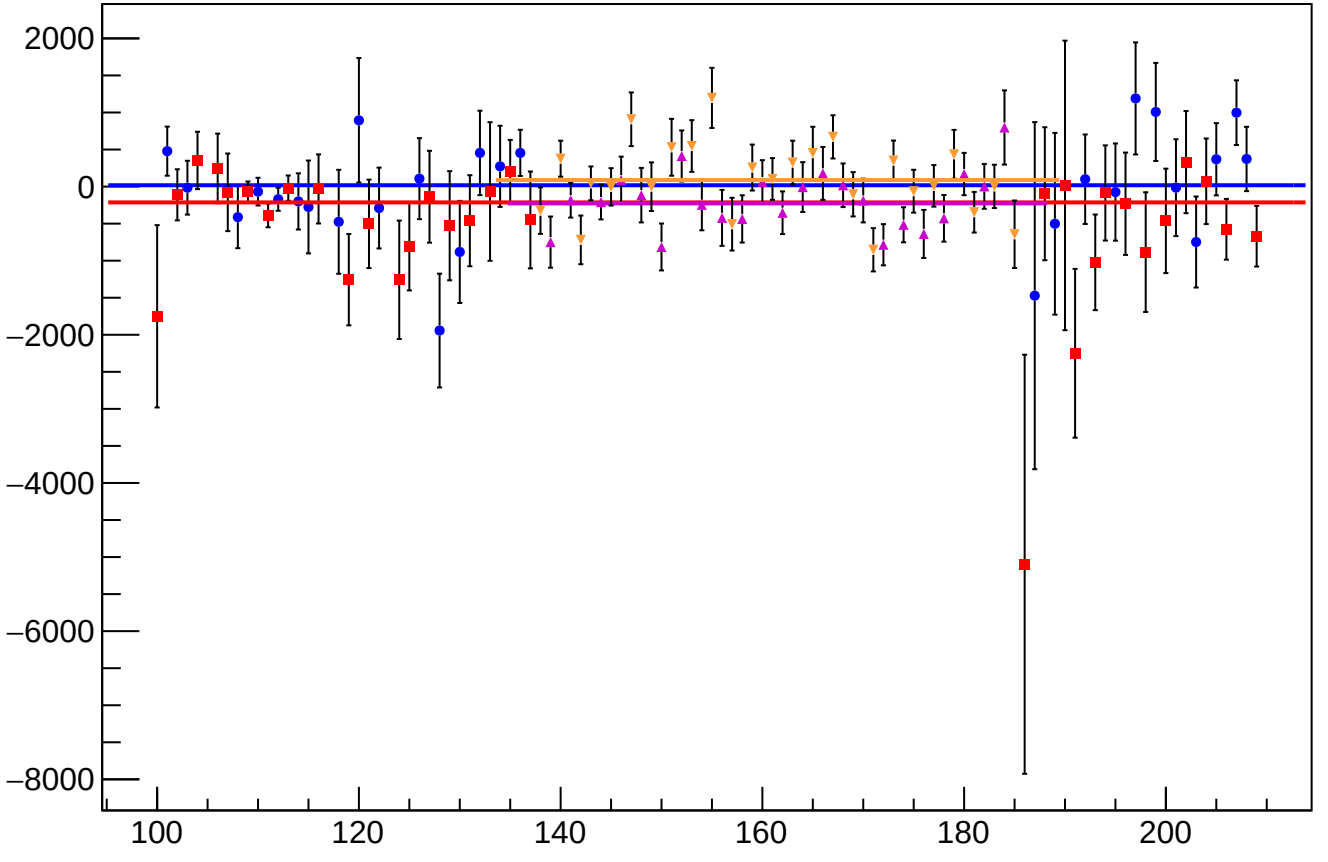
Right: 206.708+/-0.033 χ^2/NDF: 27005084.8/58

In: 253.849+/-0.034 χ^2/NDF:12450894.8/49

Out: 229.377+/-0.031 χ^2/NDF:17740317.1/56

All: 240.429+/-0.023 χ^2/NDF: 30473836.1/10

asym_sam8_mean vs Slug, Sign Corrected



Right In: 18.133+/-78.534 χ^2/NDF: 31.2/26

Left Out: 88.397+/-60.666 χ^2/NDF:52.2/24

Right Out: -213.186+/-69.074 χ^2/NDF: 27.4/31

Left In: -226.867+/-63.677 χ^2/NDF:28.8/22

Left: -61.606+/-43.923 χ^2/NDF: 93.9/47

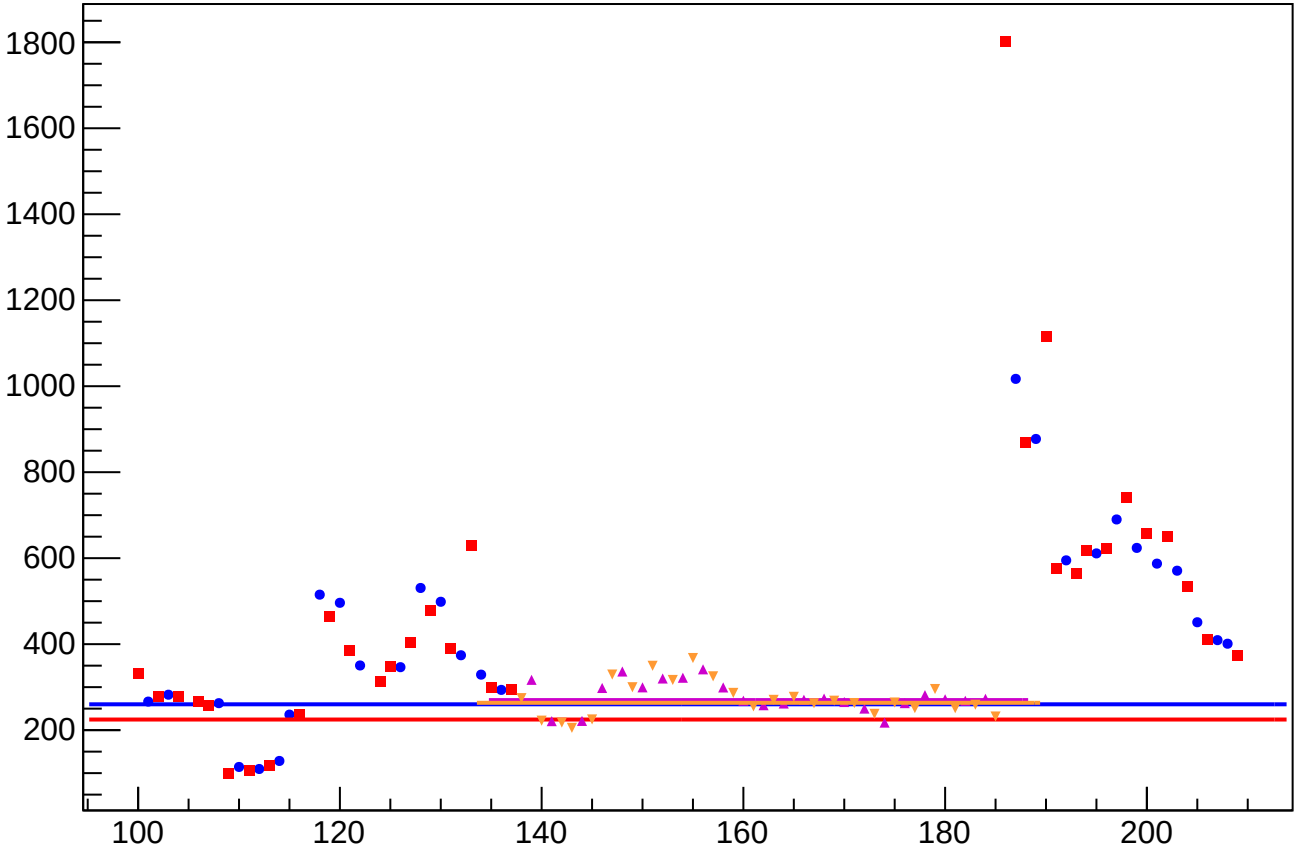
Right: -112.290+/-51.867 χ^2/NDF: 63.5/58

In: -129.686+/-49.461 χ^2/NDF:65.9/49

Out: -42.931+/-45.582 χ^2/NDF:90.4/56

All: -82.774+/-33.519 χ^2/NDF: 157.9/106

asym_sam8_rms vs Slug, Sign Corrected



Right In: 260.092+/-0.056 χ^2/NDF: 9405390.9/26

Left Out: 263.593+/-0.043 χ^2/NDF:779853.4/24

Right Out: 224.673+/-0.049 χ^2/NDF: 13042162.1/31

Left In: 269.898+/-0.045 χ^2/NDF:602244.3/22

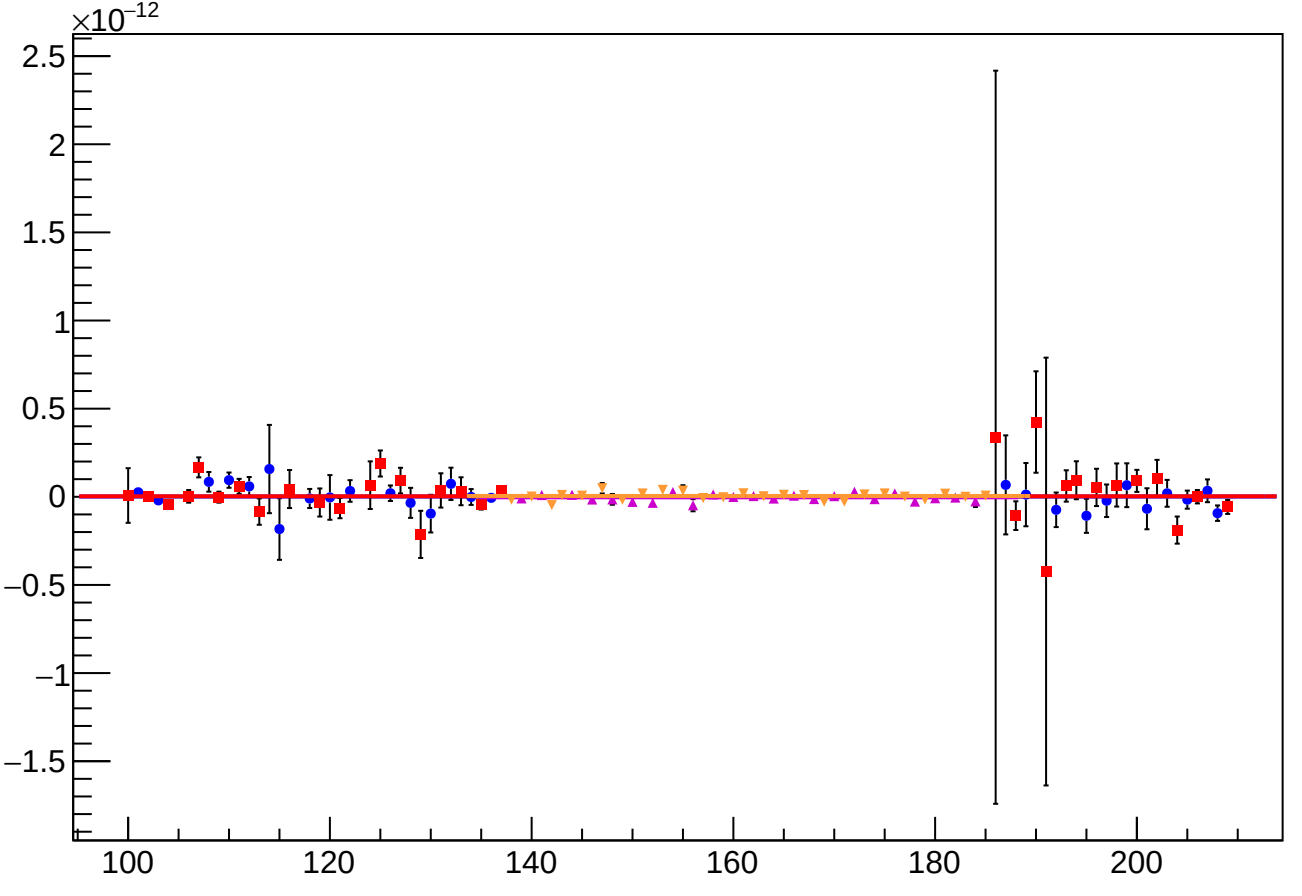
Left: 266.593+/-0.031 χ^2/NDF: 1392375.9/47

Right: 240.122+/-0.037 χ^2/NDF: 22676928.7/58

In: 266.008+/-0.035 χ^2/NDF:10026446.6/49

Out: 246.644+/-0.032 χ^2/NDF:14180474.2/56

All: 255.537+/-0.024 χ^2/NDF: 24372680.2/10



Right In: 0.000+/-0.000 χ^2/NDF: 21.8/26

Left Out: 0.000+/-0.000 χ^2/NDF:27.9/24

Right Out: 0.000+/-0.000 χ^2/NDF: 47.8/31

Left In: -0.000+/-0.000 χ^2/NDF:21.5/22

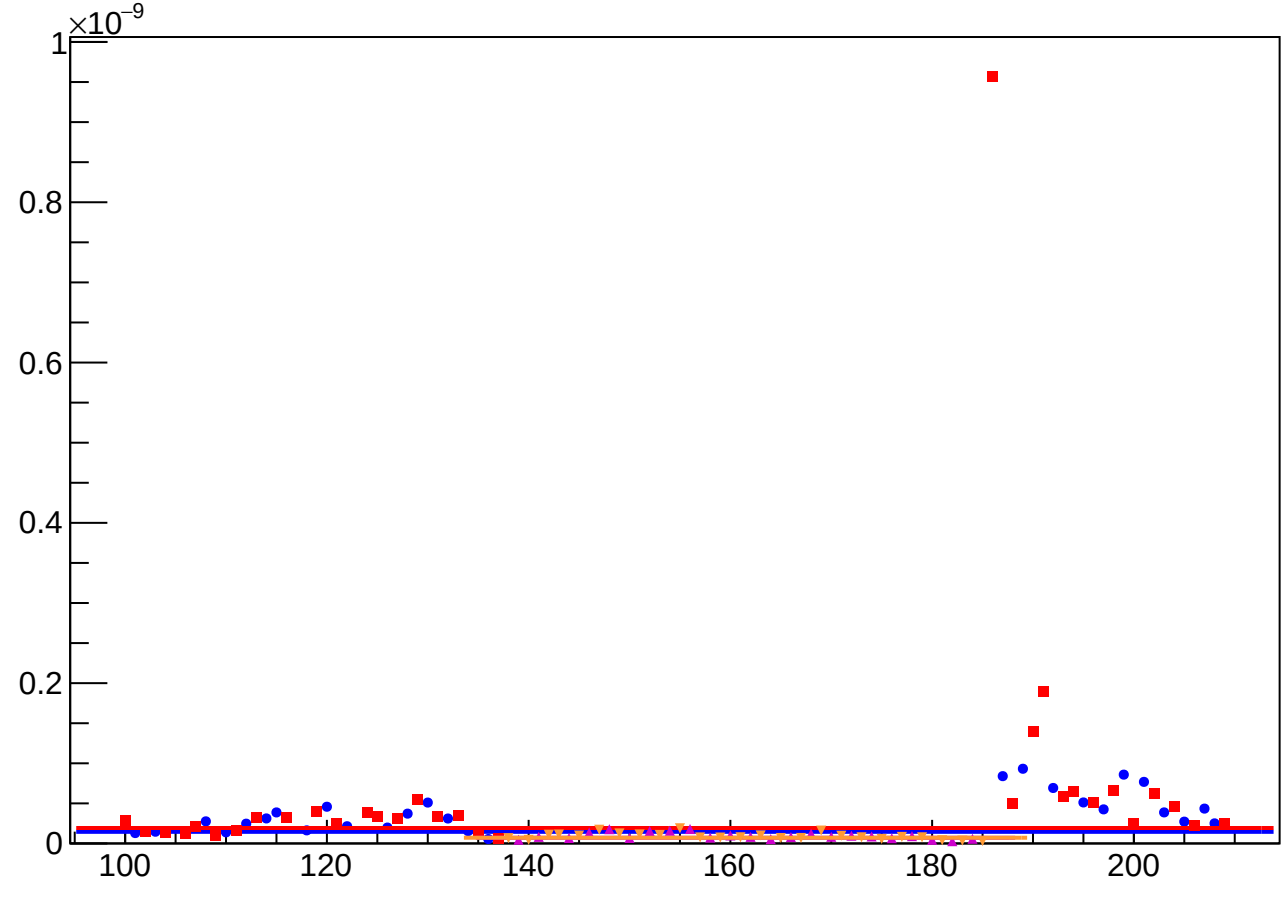
Left: 0.000+/-0.000 χ^2/NDF: 52.6/47

Right: 0.000+/-0.000 χ^2/NDF: 69.6/58

In: -0.000+/-0.000 χ^2/NDF:43.6/49

Out: 0.000+/-0.000 χ^2/NDF:75.7/56

All: 0.000+/-0.000 χ^2/NDF: 122.2/106



Right In: 0.000+/-0.000 χ^2/NDF: 5765126.9/26

Left Out: 0.000+/-0.000 χ^2/NDF:1952087.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 4655525.2/31

Left In: 0.000+/-0.000 χ^2/NDF:2053049.9/22

Left: 0.000+/-0.000 χ^2/NDF: 4005568.1/47

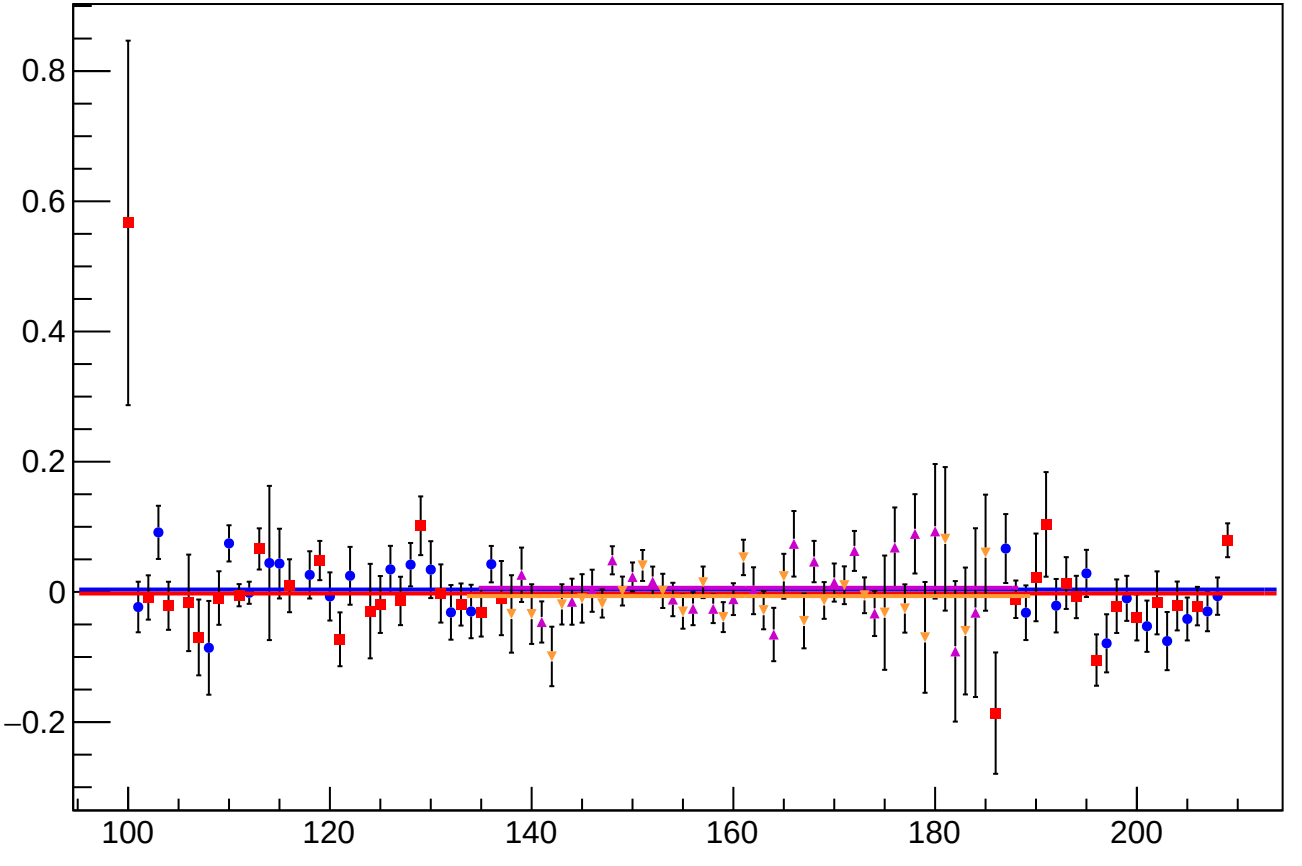
Right: 0.000+/-0.000 χ^2/NDF: 10738350.5/58

In: 0.000+/-0.000 χ^2/NDF:9377390.9/49

Out: 0.000+/-0.000 χ^2/NDF:9797240.3/56

All: 0.000+/-0.000 χ^2/NDF: 19180146.1/106

asym_sam8_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.004+/-0.007 χ^2/NDF: 35.4/26

Left Out: -0.006+/-0.006 χ^2/NDF:22.6/24

Right Out: -0.002+/-0.007 χ^2/NDF: 47.7/31

Left In: 0.006+/-0.007 χ^2/NDF:28.4/22

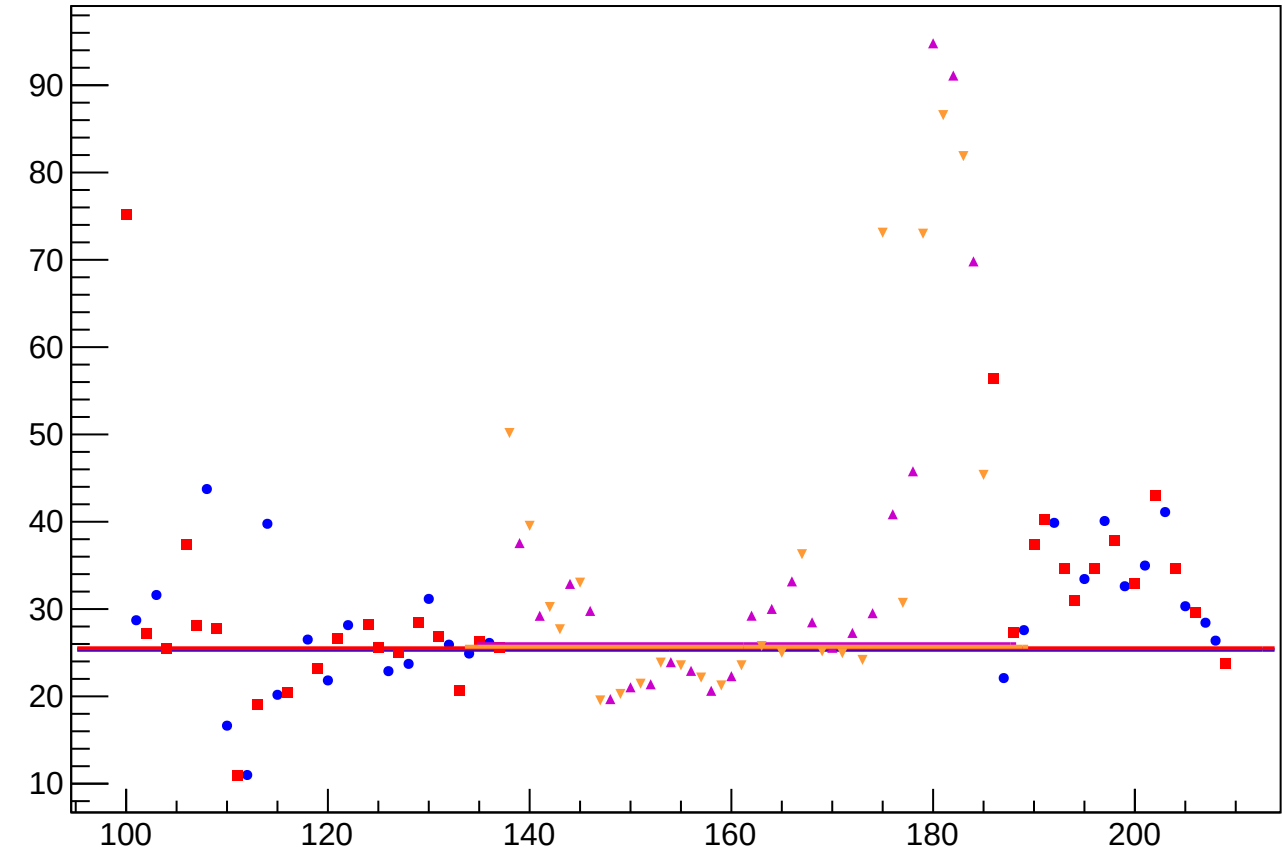
Left: -0.000+/-0.005 χ^2/NDF: 52.9/47

Right: 0.000+/-0.005 χ^2/NDF: 83.5/58

In: 0.005+/-0.005 χ^2/NDF:63.9/49

Out: -0.004+/-0.005 χ^2/NDF:70.4/56

All: 0.000+/-0.003 χ^2/NDF: 136.4/106



Right In: 25.342+/-0.005 χ^2/NDF: 3051684.8/26

Left Out: 25.685+/-0.005 χ^2/NDF:3871541.1/24

Right Out: 25.504+/-0.005 χ^2/NDF: 3103791.3/31

Left In: 25.972+/-0.005 χ^2/NDF:3118335.6/22

Left: 25.823+/-0.003 χ^2/NDF: 6991814.9/47

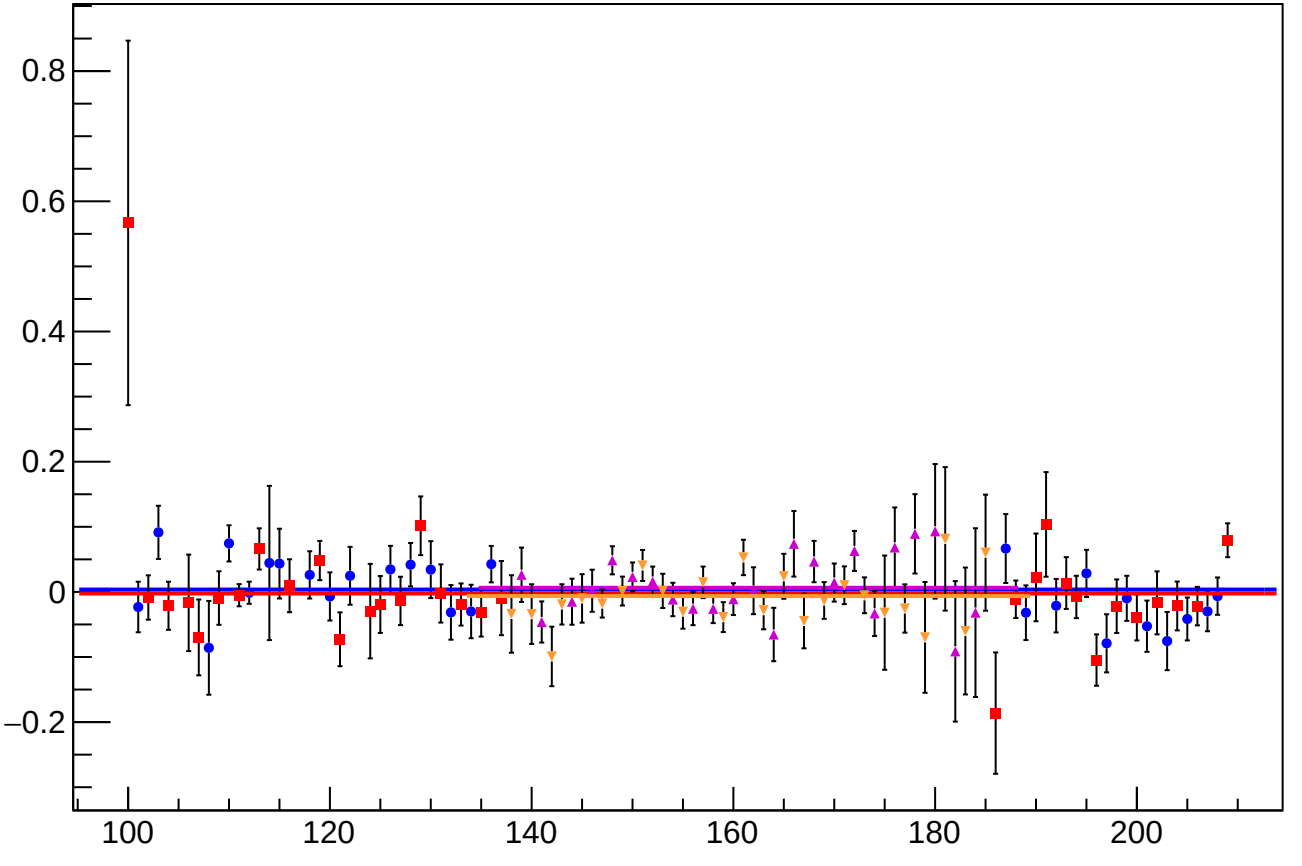
Right: 25.427+/-0.003 χ^2/NDF: 6156054.3/58

In: 25.668+/-0.003 χ^2/NDF:6178719.8/49

Out: 25.598+/-0.003 χ^2/NDF:6976102.4/56

All: 25.632+/-0.002 χ^2/NDF: 13155048.1/106

asym_sam8_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.004+/-0.007 χ^2/NDF: 35.4/26

Left Out: -0.006+/-0.006 χ^2/NDF:22.6/24

Right Out: -0.002+/-0.007 χ^2/NDF: 47.7/31

Left In: 0.006+/-0.007 χ^2/NDF:28.4/22

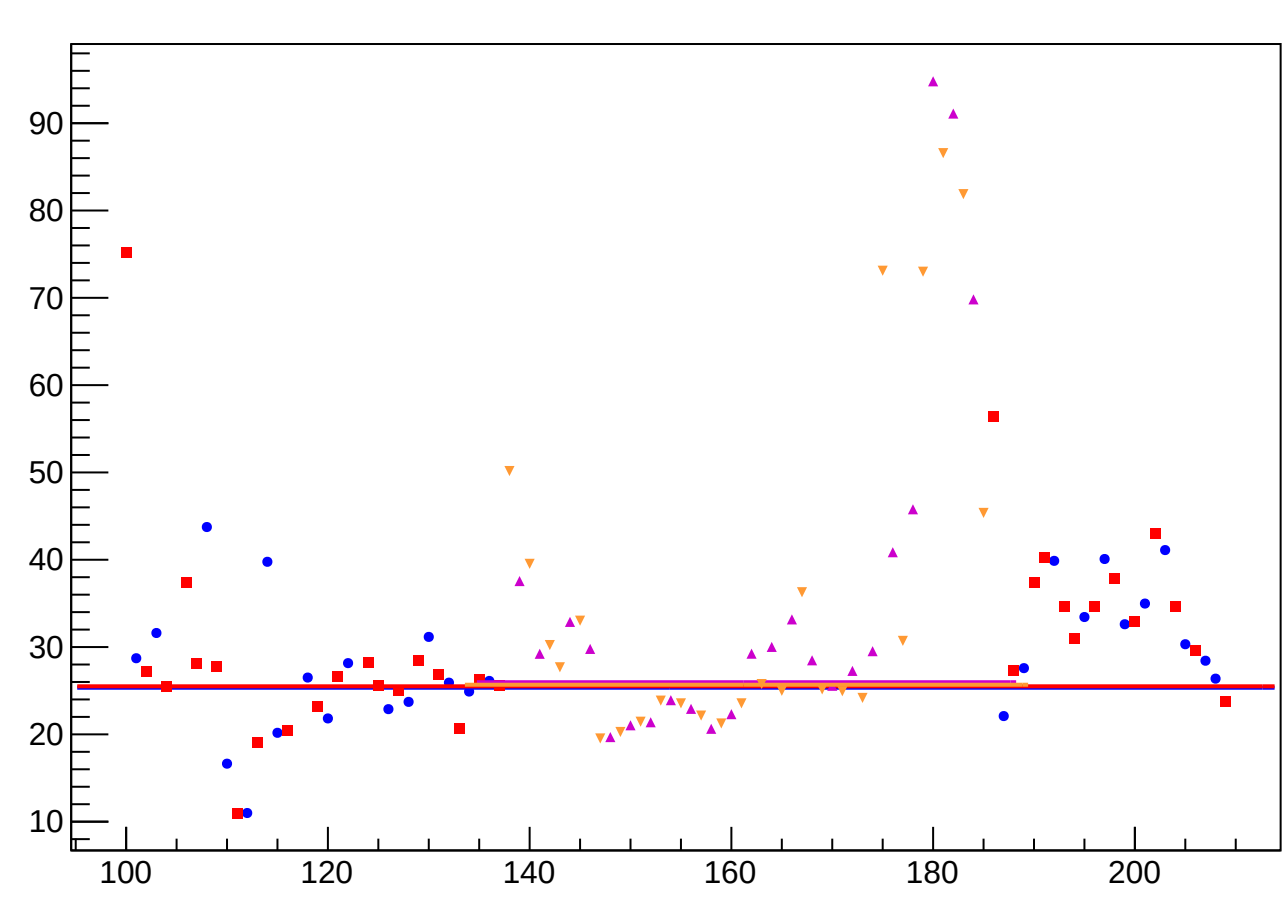
Left: -0.000+/-0.005 χ^2/NDF: 52.9/47

Right: 0.000+/-0.005 χ^2/NDF: 83.5/58

In: 0.005+/-0.005 χ^2/NDF:63.9/49

Out: -0.004+/-0.005 χ^2/NDF:70.4/56

All: 0.000+/-0.003 χ^2/NDF: 136.4/106



Right In: 25.342+/-0.005 χ^2/NDF: 3051684.8/26

Left Out: 25.685+/-0.005 χ^2/NDF:3871541.1/24

Right Out: 25.504+/-0.005 χ^2/NDF: 3103791.3/31

Left In: 25.972+/-0.005 χ^2/NDF:3118335.6/22

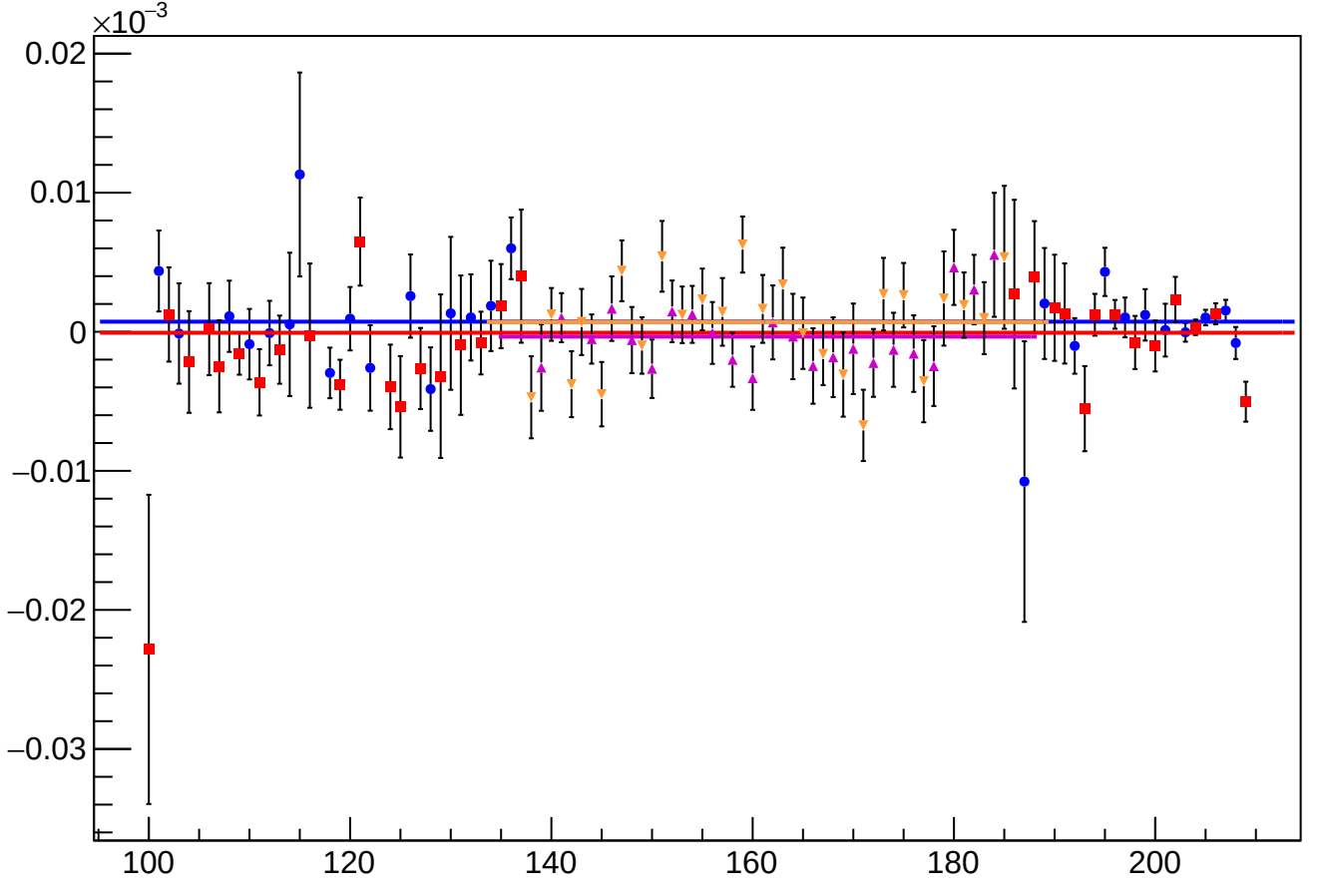
Left: 25.823+/-0.003 χ^2/NDF: 6991814.9/47

Right: 25.427+/-0.003 χ^2/NDF: 6156054.3/58

In: 25.668+/-0.003 χ^2/NDF:6178719.8/49

Out: 25.598+/-0.003 χ^2/NDF:6976102.4/56

All: 25.632+/-0.002 χ^2/NDF: 13155048.1/106



Right In: 0.000+/-0.000 χ^2/NDF: 29.4/26

Left Out: 0.000+/-0.000 χ^2/NDF:44.3/24

Right Out: -0.000+/-0.000 χ^2/NDF: 48.8/31

Left In: -0.000+/-0.000 χ^2/NDF:16.4/22

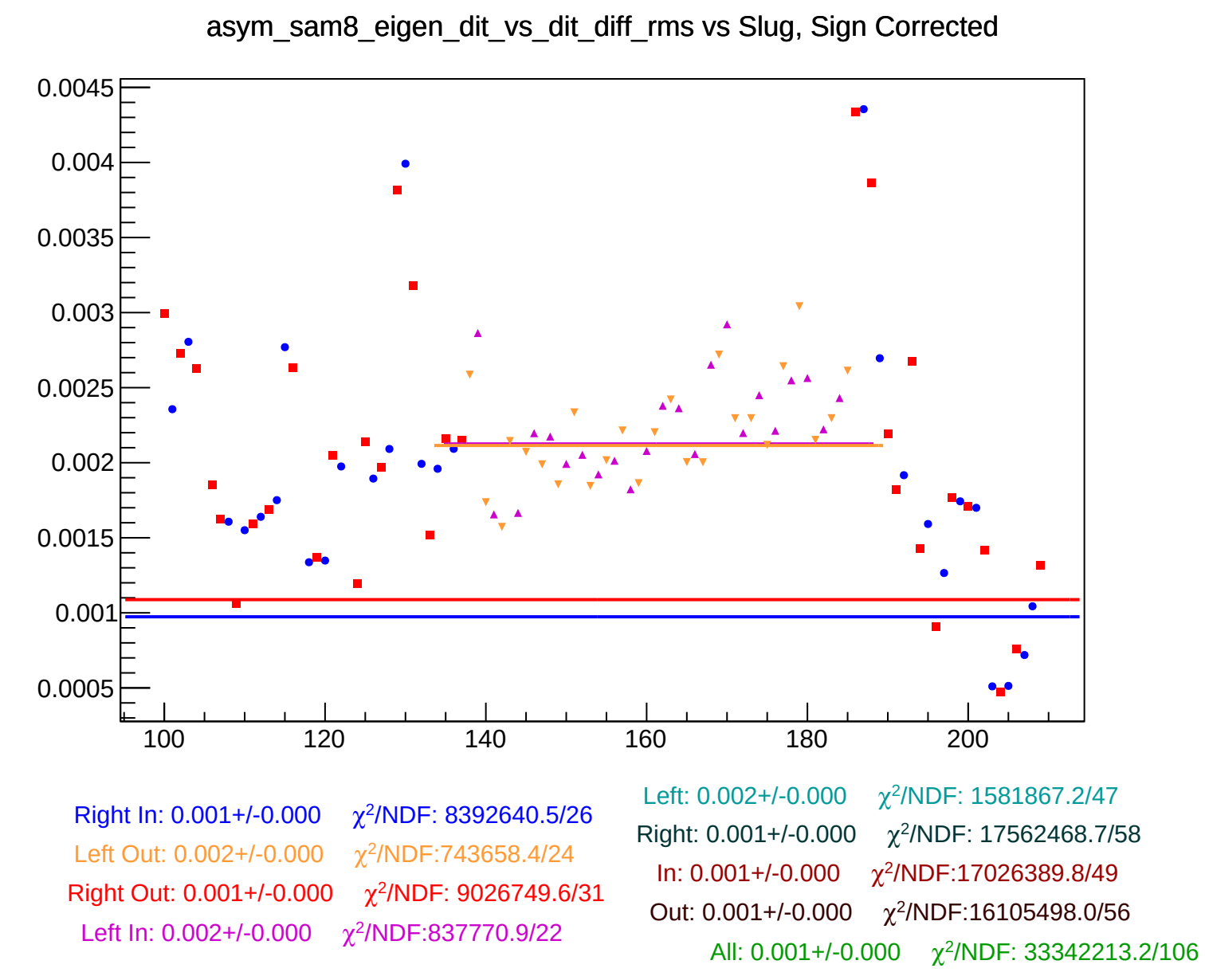
Left: 0.000+/-0.000 χ^2/NDF: 62.9/47

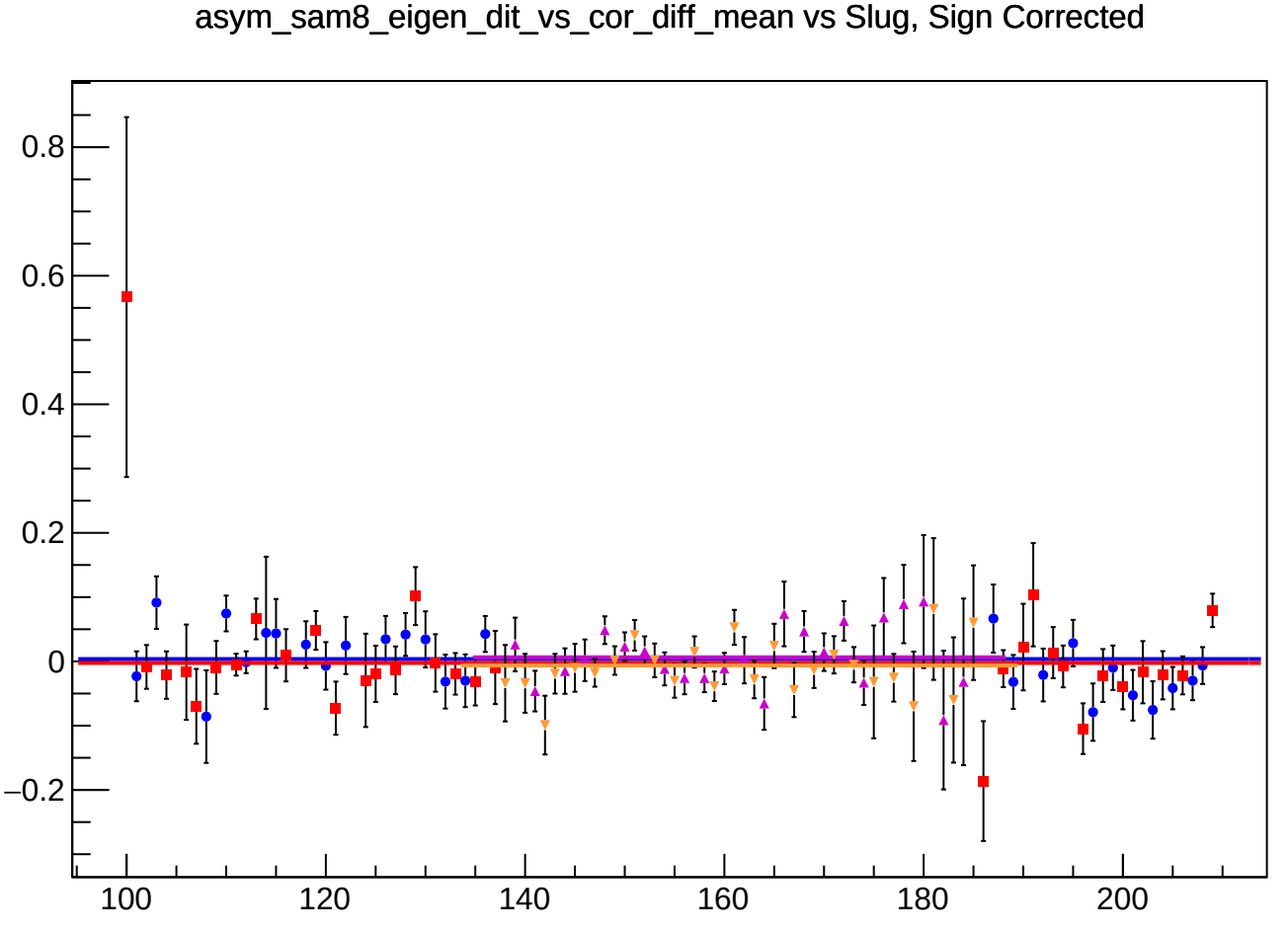
Right: 0.000+/-0.000 χ^2/NDF: 81.6/58

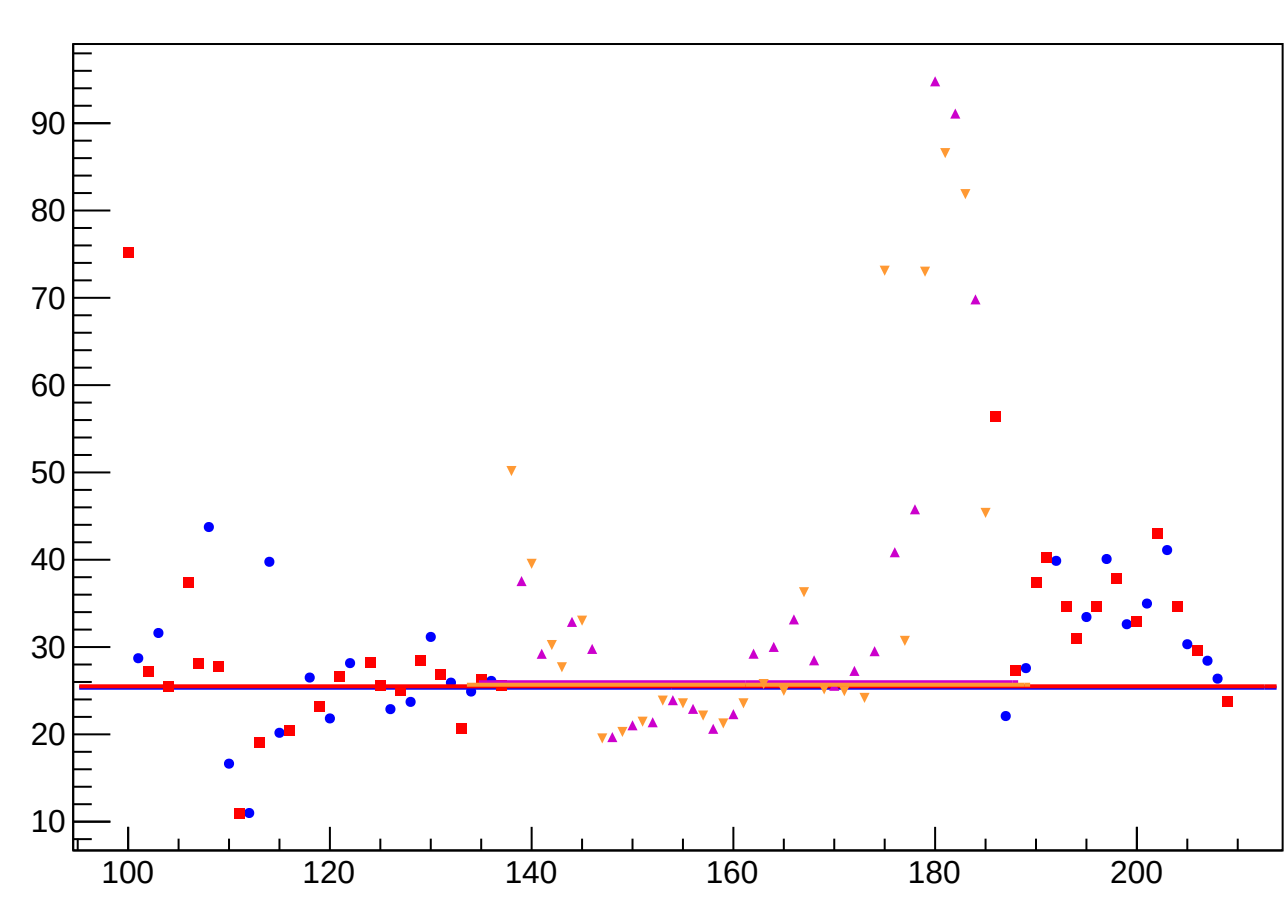
In: 0.000+/-0.000 χ^2/NDF:49.2/49

Out: 0.000+/-0.000 χ^2/NDF:94.9/56

All: 0.000+/-0.000 χ^2/NDF: 144.7/106


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
Right In: 0.001+/-0.000 χ²/NDF: 8392640.5/26
Left Out: 0.002+/-0.000 χ²/NDF:743658.4/24
Right Out: 0.001+/-0.000 χ²/NDF: 9026749.6/31
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: 17562468.7/58
In: 0.001+/-0.000 χ²/NDF:17026389.8/49
Out: 0.001+/-0.000 χ²/NDF:16105498.0/56
All: 0.001+/-0.000 χ²/NDF: 33342213.2/106


asym_sam8_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected
0.8
0.6
0.4
0.2
0
−0.2
100
120
140
160
180
200
Right In: 0.004+/-0.007 χ²/NDF: 35.4/26
Left Out: -0.006+/-0.006 χ²/NDF:22.6/24
Right Out: -0.002+/-0.007 χ²/NDF: 47.7/31
Left In: 0.006+/-0.007 χ²/NDF:28.4/22
Left: -0.000+/-0.005 χ²/NDF: 52.9/47
Right: 0.000+/-0.005 χ²/NDF: 83.5/58
In: 0.005+/-0.005 χ²/NDF:63.9/49
Out: -0.004+/-0.005 χ²/NDF:70.4/56
All: 0.000+/-0.003 χ²/NDF: 136.4/106



Right In: 25.342+/-0.005 χ^2/NDF: 3051964.9/26

Left Out: 25.685+/-0.005 χ^2/NDF:3871544.4/24

Right Out: 25.504+/-0.005 χ^2/NDF: 3104072.4/31

Left In: 25.972+/-0.005 χ^2/NDF:3118315.0/22

Left: 25.823+/-0.003 χ^2/NDF: 6991798.2/47

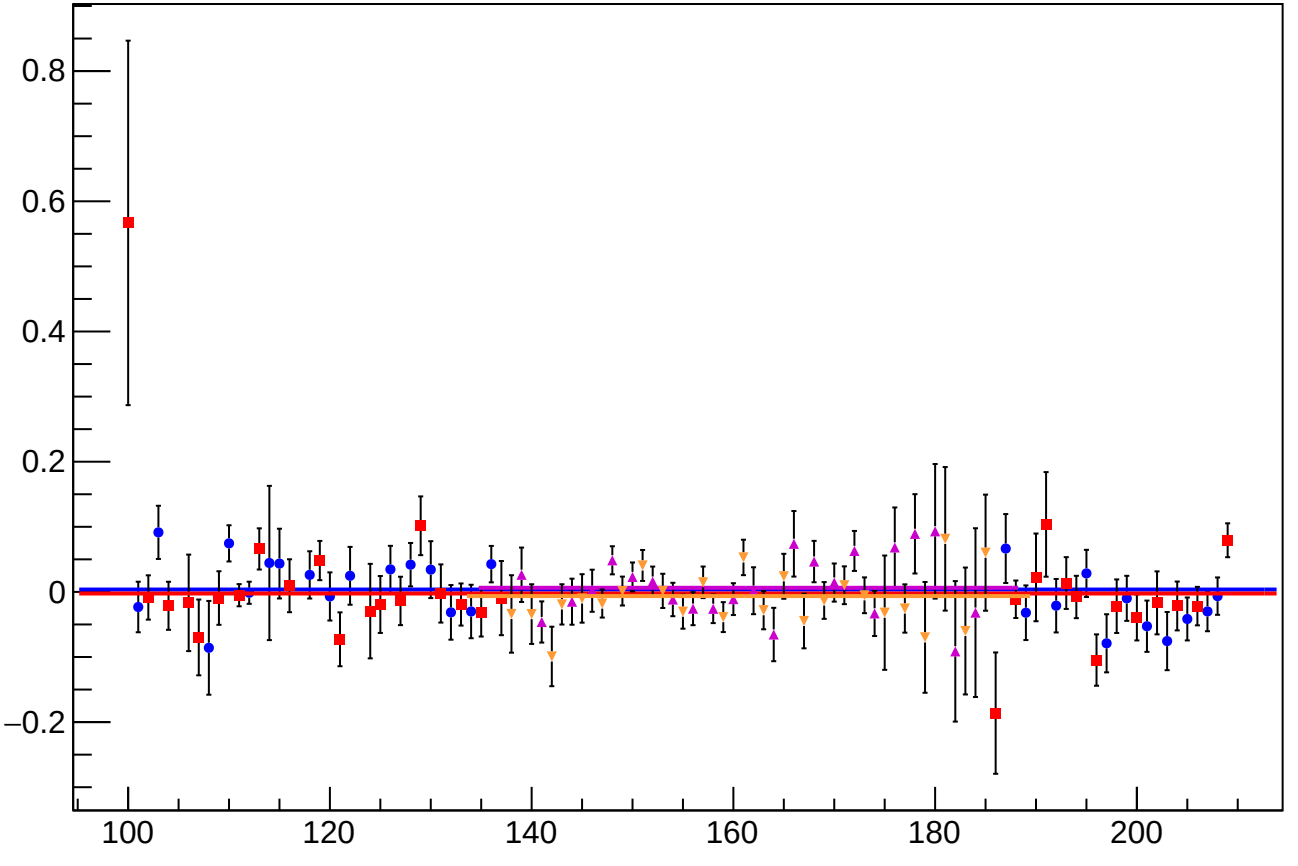
Right: 25.426+/-0.003 χ^2/NDF: 6156614.9/58

In: 25.668+/-0.003 χ^2/NDF:6178996.4/49

Out: 25.597+/-0.003 χ^2/NDF:6976392.3/56

All: 25.631+/-0.002 χ^2/NDF: 13155614.9/106

asym_sam8_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.004+/-0.007 χ^2/NDF: 35.4/26

Left Out: -0.006+/-0.006 χ^2/NDF:22.6/24

Right Out: -0.002+/-0.007 χ^2/NDF: 47.7/31

Left In: 0.006+/-0.007 χ^2/NDF:28.4/22

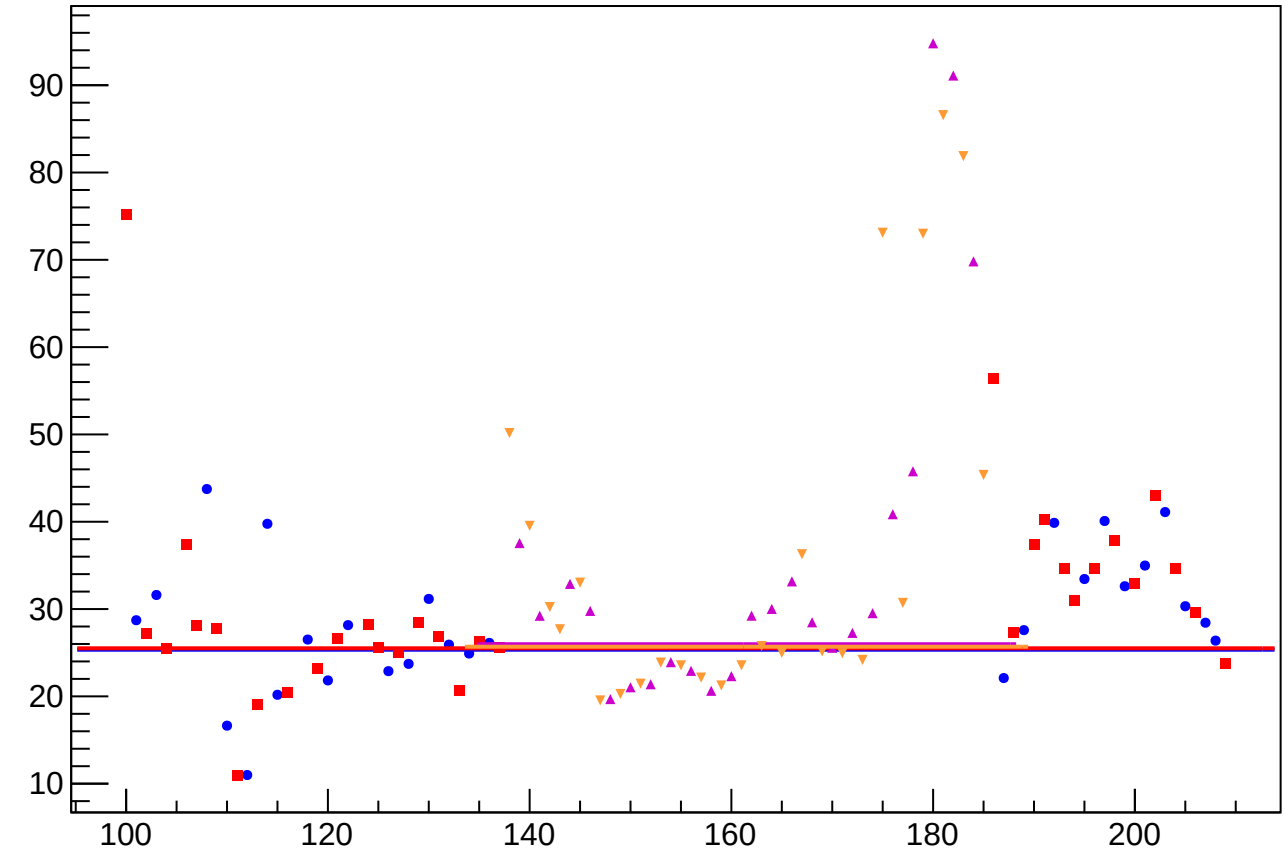
Left: -0.000+/-0.005 χ^2/NDF: 52.9/47

Right: 0.000+/-0.005 χ^2/NDF: 83.5/58

In: 0.005+/-0.005 χ^2/NDF:63.9/49

Out: -0.004+/-0.005 χ^2/NDF:70.4/56

All: 0.000+/-0.003 χ^2/NDF: 136.4/106



Right In: 25.342+/-0.005 χ^2/NDF: 3051964.9/26

Left Out: 25.685+/-0.005 χ^2/NDF:3871544.4/24

Right Out: 25.504+/-0.005 χ^2/NDF: 3104072.4/31

Left In: 25.972+/-0.005 χ^2/NDF:3118315.0/22

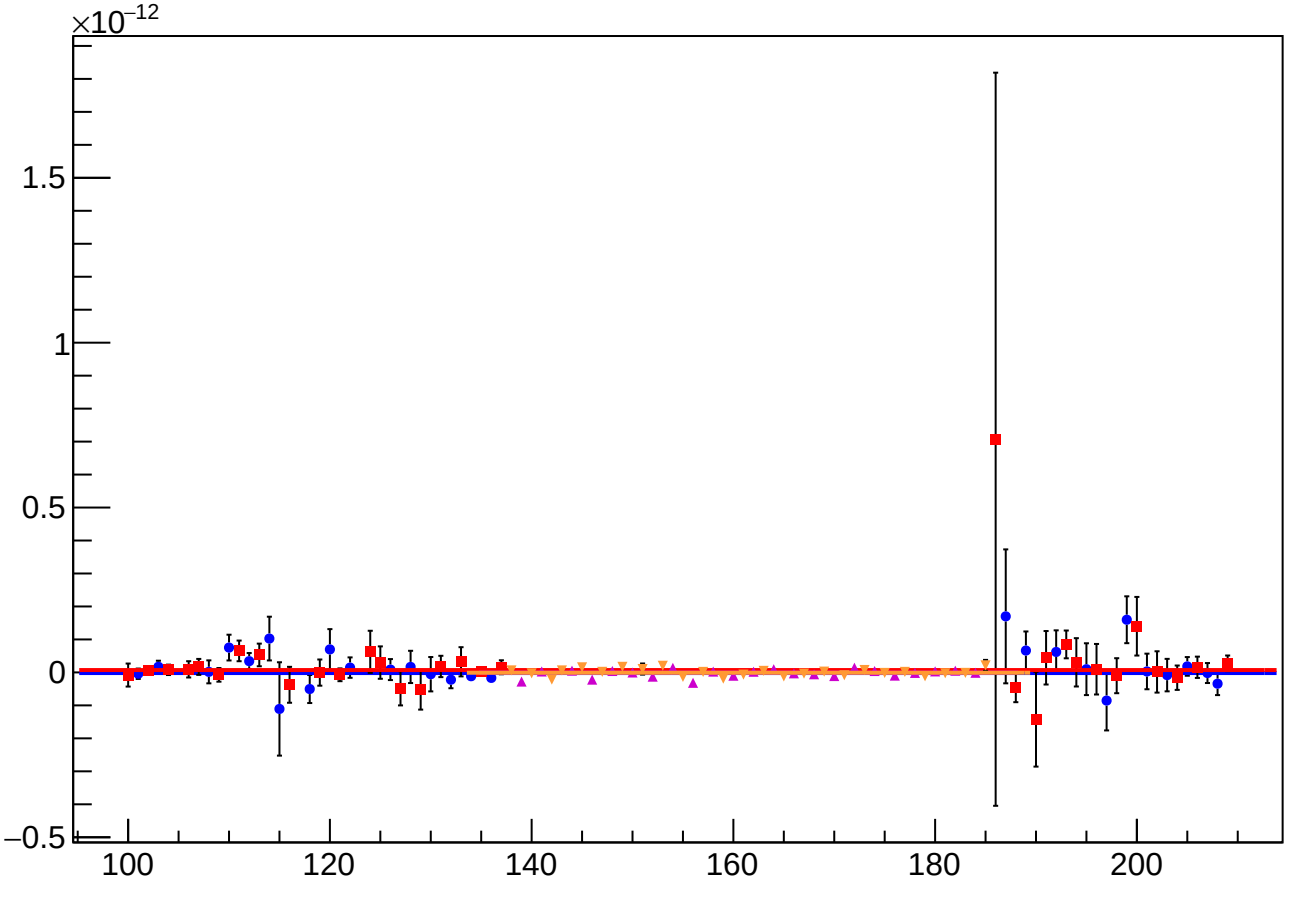
Left: 25.823+/-0.003 χ^2/NDF: 6991798.2/47

Right: 25.426+/-0.003 χ^2/NDF: 6156614.9/58

In: 25.668+/-0.003 χ^2/NDF:6178996.4/49

Out: 25.597+/-0.003 χ^2/NDF:6976392.3/56

All: 25.631+/-0.002 χ^2/NDF: 13155614.9/106



Right In: -0.000+/-0.000 χ^2/NDF: 27.8/26

Left Out: -0.000+/-0.000 χ^2/NDF:28.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 21.5/31

Left In: -0.000+/-0.000 χ^2/NDF:29.7/22

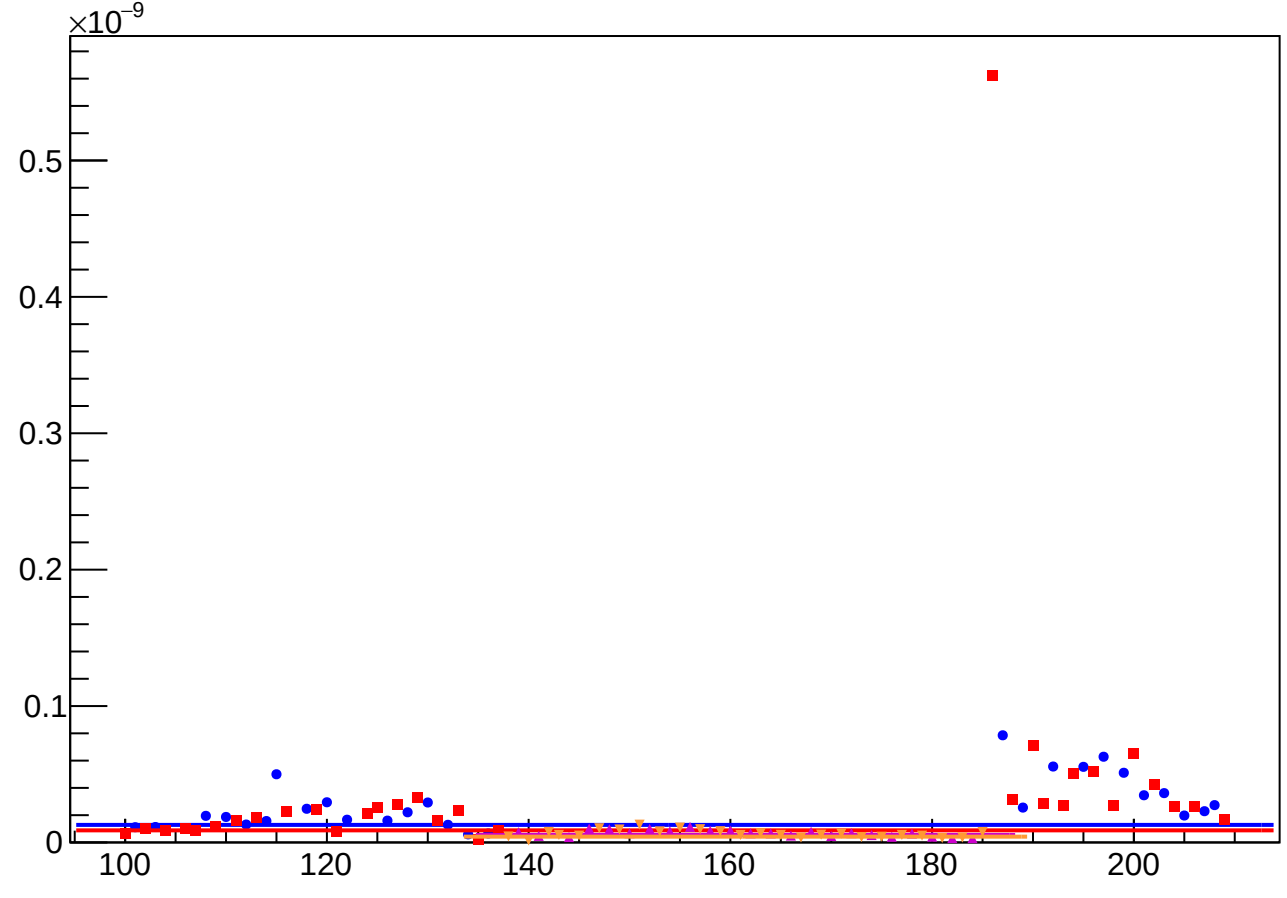
Left: -0.000+/-0.000 χ^2/NDF: 58.5/47

Right: 0.000+/-0.000 χ^2/NDF: 51.2/58

In: -0.000+/-0.000 χ^2/NDF:57.5/49

Out: -0.000+/-0.000 χ^2/NDF:53.8/56

All: -0.000+/-0.000 χ^2/NDF: 111.4/106



Right In: 0.000+/-0.000 χ^2/NDF: 6776958.8/26

Left Out: 0.000+/-0.000 χ^2/NDF:5399109.9/24

Right Out: 0.000+/-0.000 χ^2/NDF: 10517733.4/31

Left In: 0.000+/-0.000 χ^2/NDF:2811616.7/22

Left: 0.000+/-0.000 χ^2/NDF: 8813295.5/47

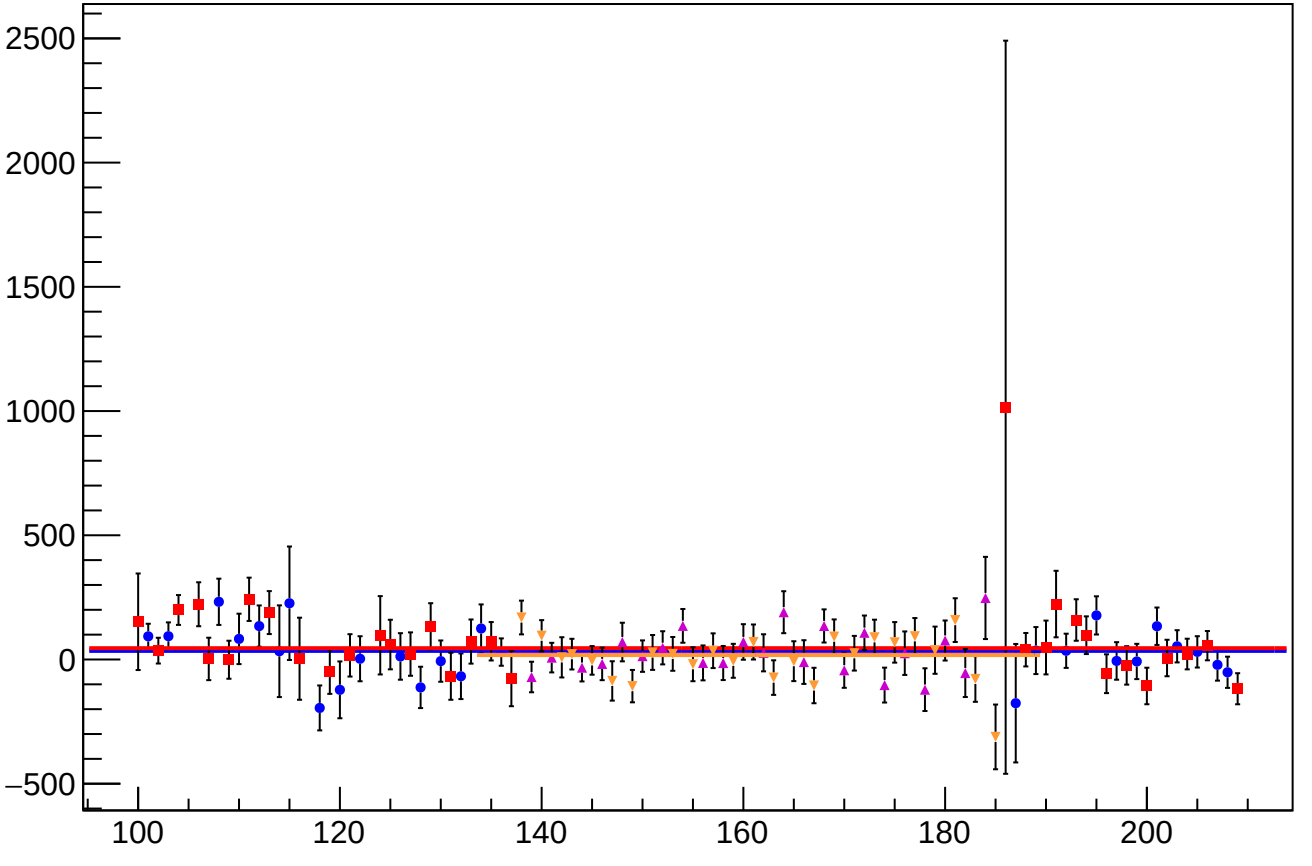
Right: 0.000+/-0.000 χ^2/NDF: 18038021.8/58

In: 0.000+/-0.000 χ^2/NDF:13374242.0/49

Out: 0.000+/-0.000 χ^2/NDF:18170996.0/56

All: 0.000+/-0.000 χ^2/NDF: 32516237.3/106

reg_asym_sam_15_avg_mean vs Slug, Sign Corrected



Right In: 34.694+/-14.993 χ^2/NDF: 32.7/26

Left Out: 17.800+/-14.495 χ^2/NDF:31.6/24

Right Out: 45.465+/-14.529 χ^2/NDF: 43.2/31

Left In: 19.642+/-15.040 χ^2/NDF:26.2/22

Left: 18.687+/-10.437 χ^2/NDF: 57.8/47

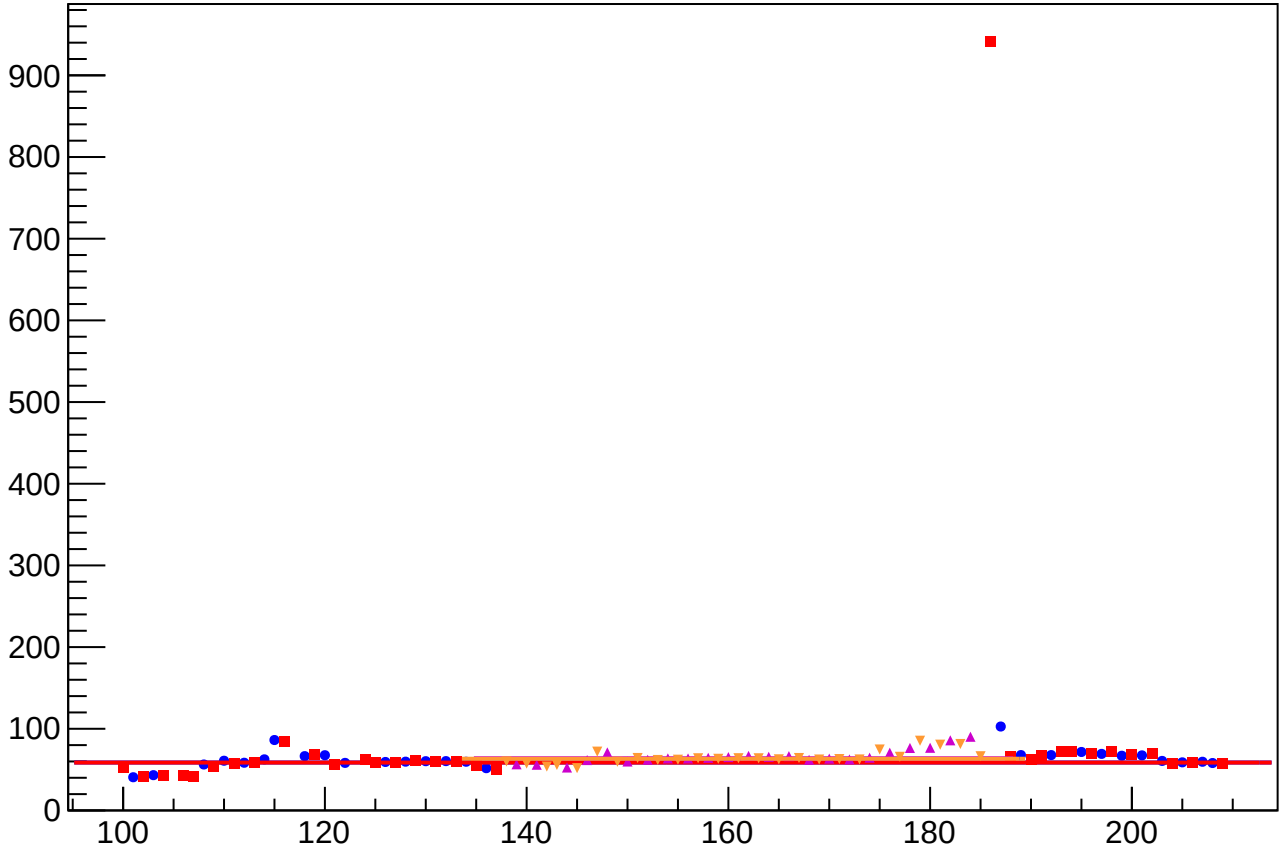
Right: 40.248+/-10.434 χ^2/NDF: 76.2/58

In: 27.192+/-10.618 χ^2/NDF:59.4/49

Out: 31.600+/-10.262 χ^2/NDF:76.6/56

All: 29.471+/-7.379 χ^2/NDF: 136.1/106

reg_asym_sam_15_avg_rms vs Slug, Sign Corrected



Right In: 58.704+/-0.011 χ^2/NDF: 777049.2/26

Left Out: 63.312+/-0.010 χ^2/NDF:497429.6/24

Right Out: 58.623+/-0.010 χ^2/NDF: 1648823.0/31

Left In: 63.918+/-0.011 χ^2/NDF:445309.5/22

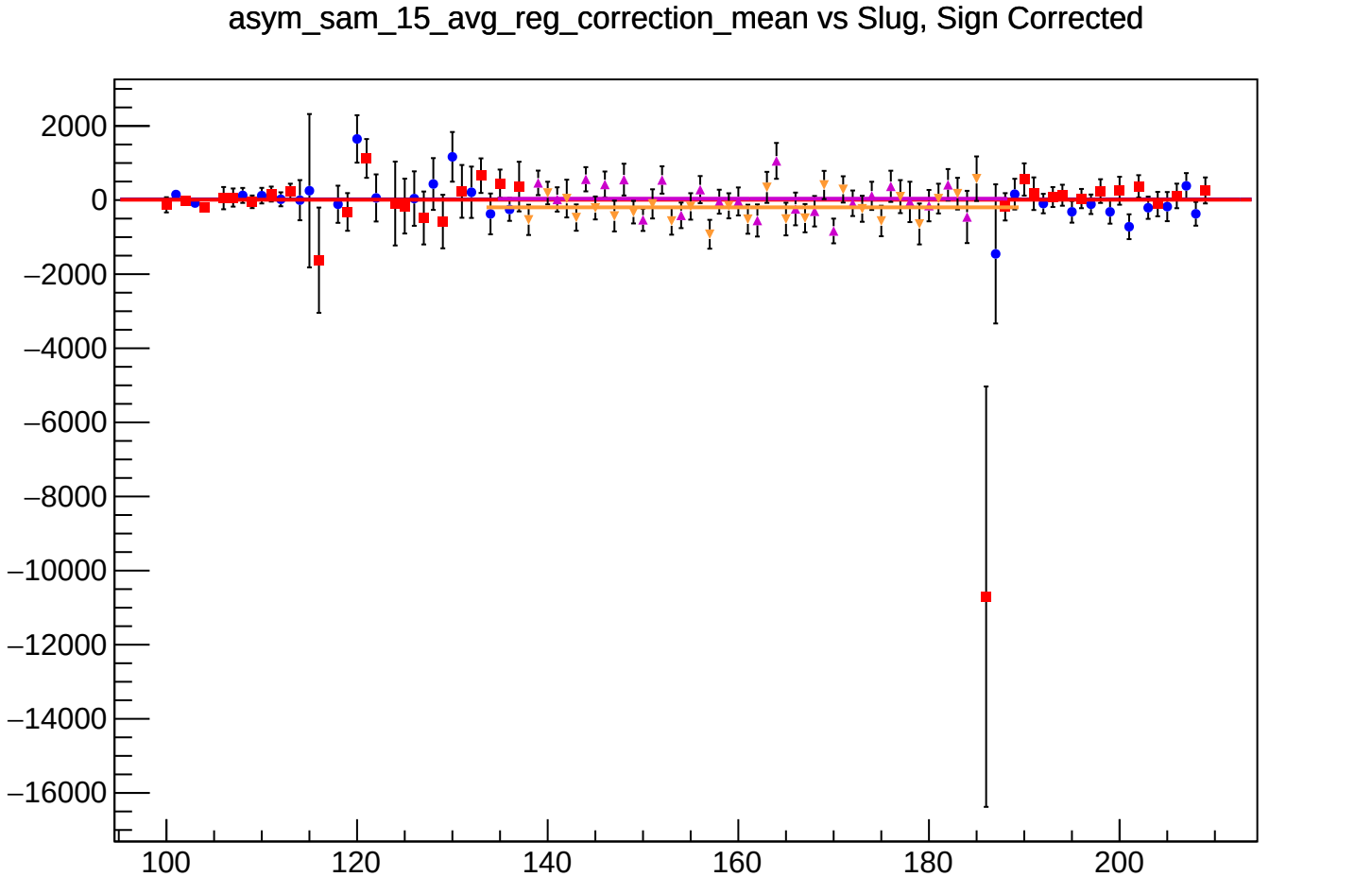
Left: 63.604+/-0.007 χ^2/NDF: 944421.1/47

Right: 58.662+/-0.007 χ^2/NDF: 2425901.8/58

In: 61.303+/-0.008 χ^2/NDF:1342941.7/49

Out: 60.973+/-0.007 χ^2/NDF:2250654.6/56

All: 61.132+/-0.005 χ^2/NDF: 3594591.1/106



Right In: 19.533+/-42.111 χ^2/NDF: 28.6/26

Left Out: -195.947+/-77.088 χ^2/NDF:20.6/24

Right Out: 9.589+/-44.339 χ^2/NDF: 27.5/31

Left In: 36.417+/-79.210 χ^2/NDF:31.1/22

Left: -82.919+/-55.244 χ^2/NDF: 56.1/47

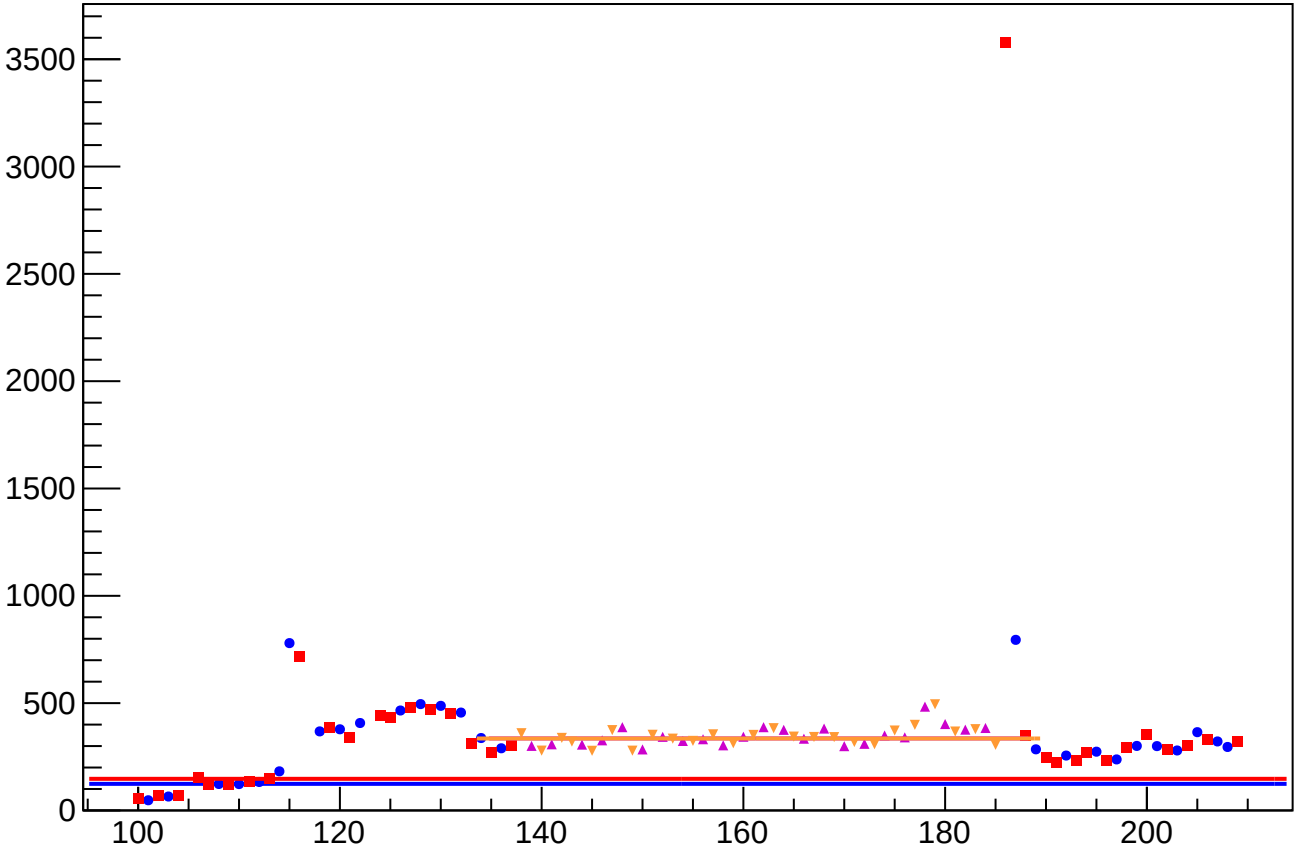
Right: 14.817+/-30.534 χ^2/NDF: 56.1/58

In: 23.253+/-37.183 χ^2/NDF:59.7/49

Out: -41.503+/-38.435 χ^2/NDF:53.4/56

All: -8.053+/-26.724 χ^2/NDF: 114.6/106

asym_sam_15_avg_reg_correction_rms vs Slug, Sign Corrected



Right In: 123.930+/-0.030 χ^2/NDF: 13434629.8/26

Left Out: 335.271+/-0.055 χ^2/NDF:563801.0/24

Right Out: 147.372+/-0.031 χ^2/NDF: 11831716.8/31

Left In: 335.526+/-0.056 χ^2/NDF:495163.6/22

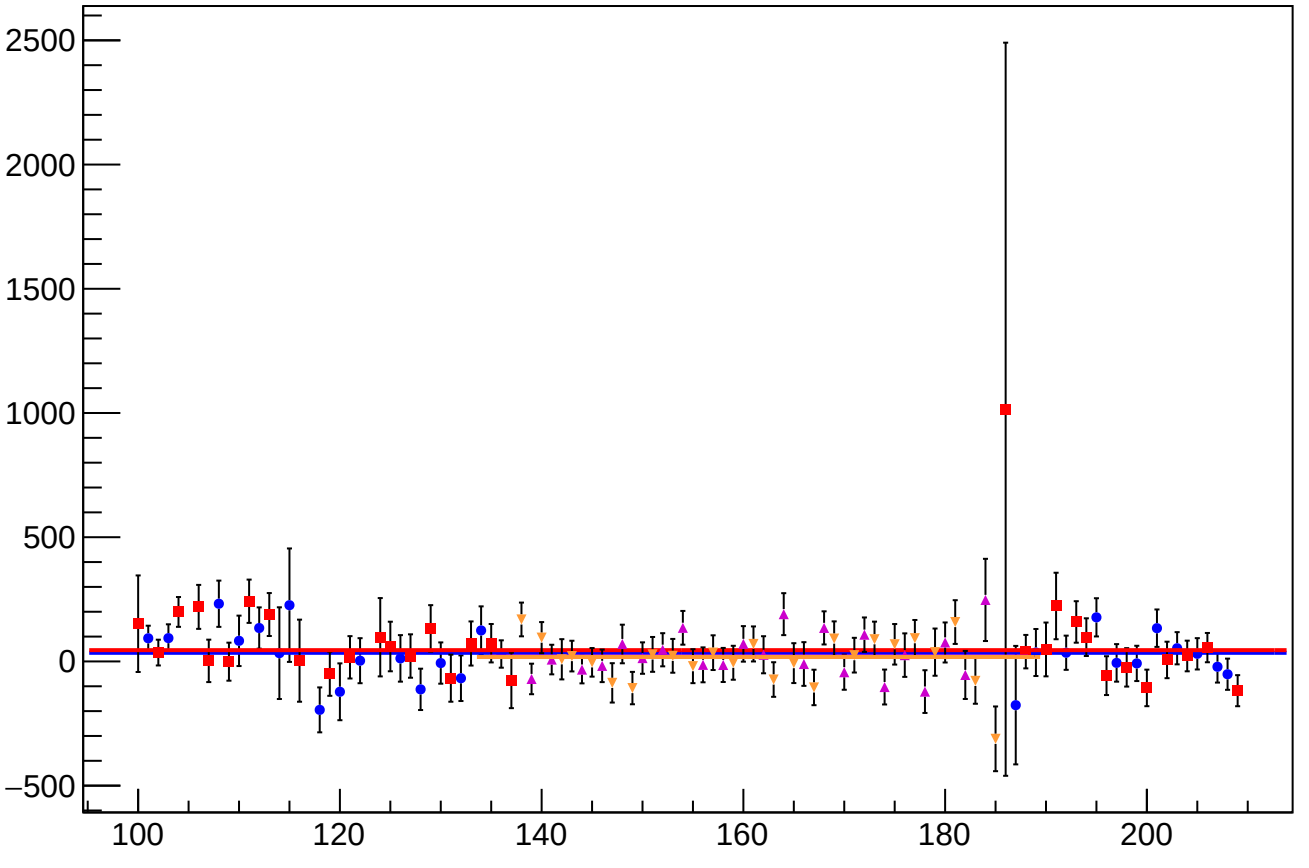
Left: 335.395+/-0.039 χ^2/NDF: 1058975.3/47

Right: 135.048+/-0.022 χ^2/NDF: 25560275.9/58

In: 170.556+/-0.026 χ^2/NDF:25056908.5/49

Out: 194.081+/-0.027 χ^2/NDF:21324130.4/56

All: 181.929+/-0.019 χ^2/NDF: 46768052.8/10



Right In: 34.701+/-14.993 χ^2/NDF: 32.7/26

Left Out: 17.804+/-14.495 χ^2/NDF:31.6/24

Right Out: 45.391+/-14.530 χ^2/NDF: 43.1/31

Left In: 19.642+/-15.040 χ^2/NDF:26.2/22

Left: 18.689+/-10.437 χ^2/NDF: 57.8/47

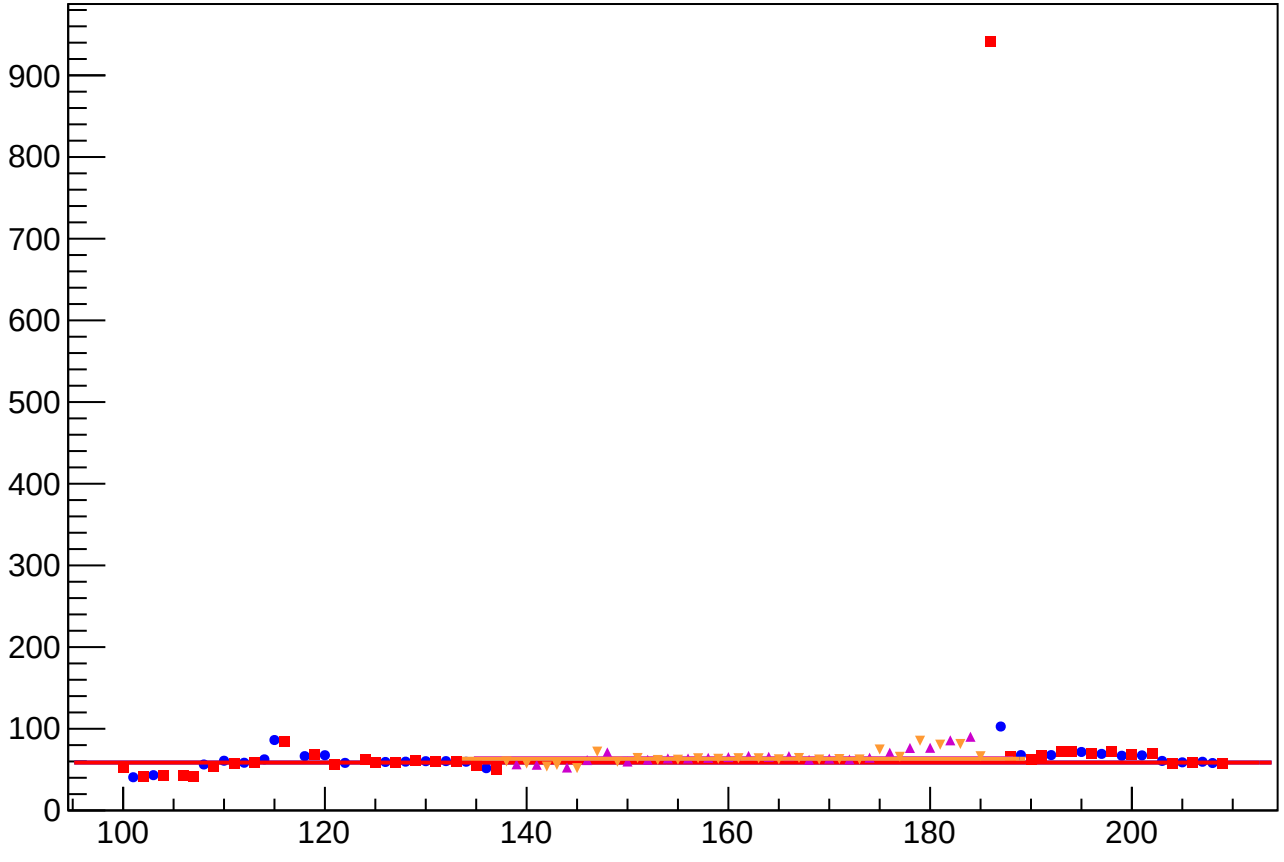
Right: 40.213+/-10.434 χ^2/NDF: 76.1/58

In: 27.195+/-10.618 χ^2/NDF:59.4/49

Out: 31.564+/-10.262 χ^2/NDF:76.5/56

All: 29.454+/-7.379 χ^2/NDF: 136.0/106

cor_asym_sam_15_avg_rms vs Slug, Sign Corrected



Right In: 58.704+/-0.011 χ^2/NDF: 777048.2/26

Left Out: 63.312+/-0.010 χ^2/NDF:497429.6/24

Right Out: 58.623+/-0.010 χ^2/NDF: 1649238.1/31

Left In: 63.918+/-0.011 χ^2/NDF:445309.5/22

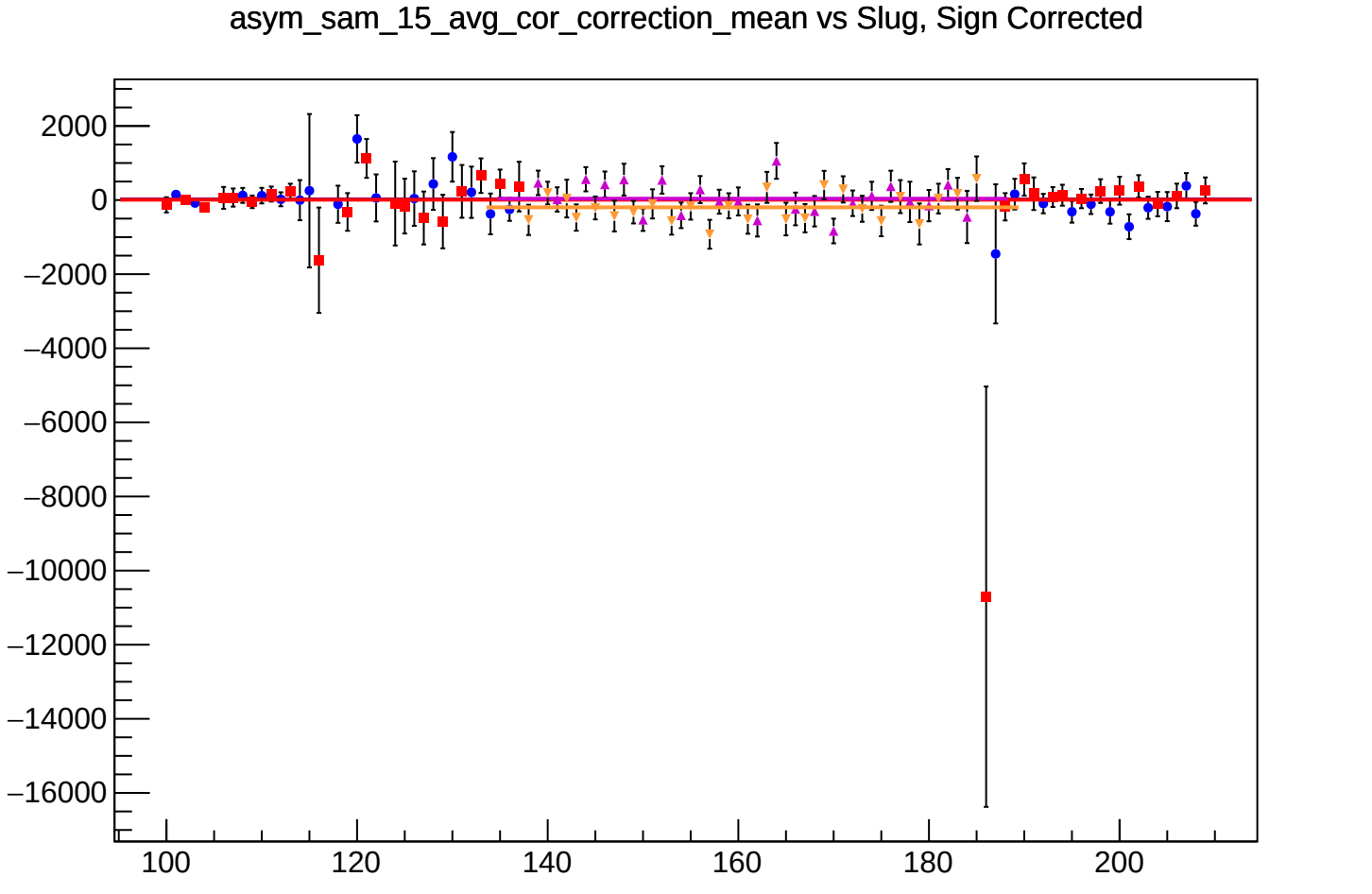
Left: 63.604+/-0.007 χ^2/NDF: 944421.2/47

Right: 58.662+/-0.007 χ^2/NDF: 2426316.6/58

In: 61.303+/-0.008 χ^2/NDF:1342940.6/49

Out: 60.973+/-0.007 χ^2/NDF:2251100.4/56

All: 61.132+/-0.005 χ^2/NDF: 3595037.5/106



Right In: 19.538+/-42.110 χ^2/NDF: 28.6/26

Left Out: -195.942+/-77.088 χ^2/NDF:20.6/24

Right Out: 9.885+/-44.309 χ^2/NDF: 27.5/31

Left In: 36.414+/-79.210 χ^2/NDF:31.1/22

Left: -82.918+/-55.244 χ^2/NDF: 56.1/47

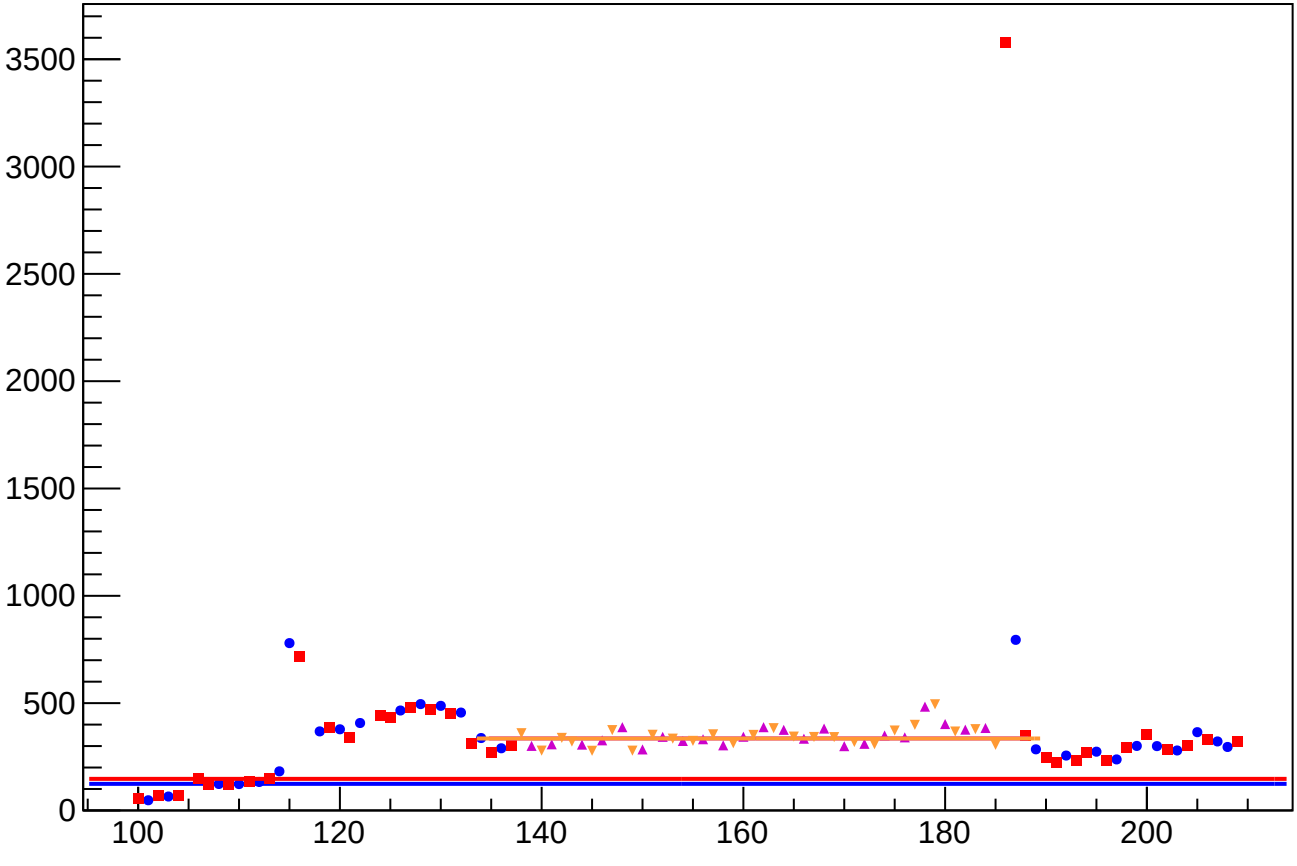
Right: 14.957+/-30.524 χ^2/NDF: 56.1/58

In: 23.256+/-37.182 χ^2/NDF:59.7/49

Out: -41.229+/-38.415 χ^2/NDF:53.5/56

All: -7.935+/-26.717 χ^2/NDF: 114.6/106

asym_sam_15_avg_cor_correction_rms vs Slug, Sign Corrected



Right In: 123.927+/-0.030 χ^2/NDF: 13434931.8/26

Left Out: 335.271+/-0.055 χ^2/NDF:563797.0/24

Right Out: 147.182+/-0.031 χ^2/NDF: 11836791.8/31

Left In: 335.526+/-0.056 χ^2/NDF:495170.0/22

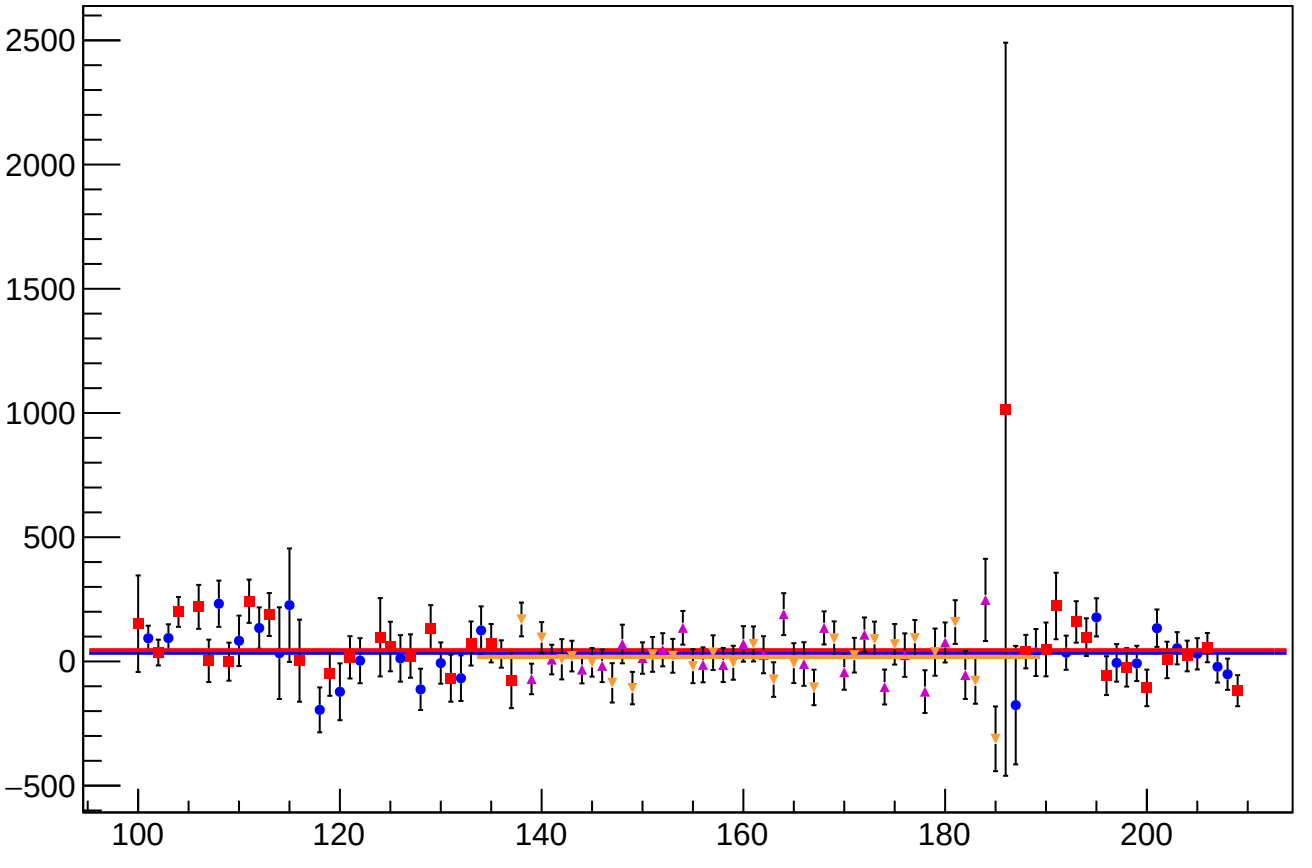
Left: 335.395+/-0.039 χ^2/NDF: 1058977.6/47

Right: 134.963+/-0.022 χ^2/NDF: 25561187.2/58

In: 170.552+/-0.026 χ^2/NDF:25057647.4/49

Out: 193.891+/-0.027 χ^2/NDF:21350256.8/56

All: 181.841+/-0.019 χ^2/NDF: 46789035.8/10



Right In: 34.701+/-14.993 χ^2/NDF: 32.7/26

Left Out: 17.804+/-14.495 χ^2/NDF:31.6/24

Right Out: 45.391+/-14.530 χ^2/NDF: 43.1/31

Left In: 19.642+/-15.040 χ^2/NDF:26.2/22

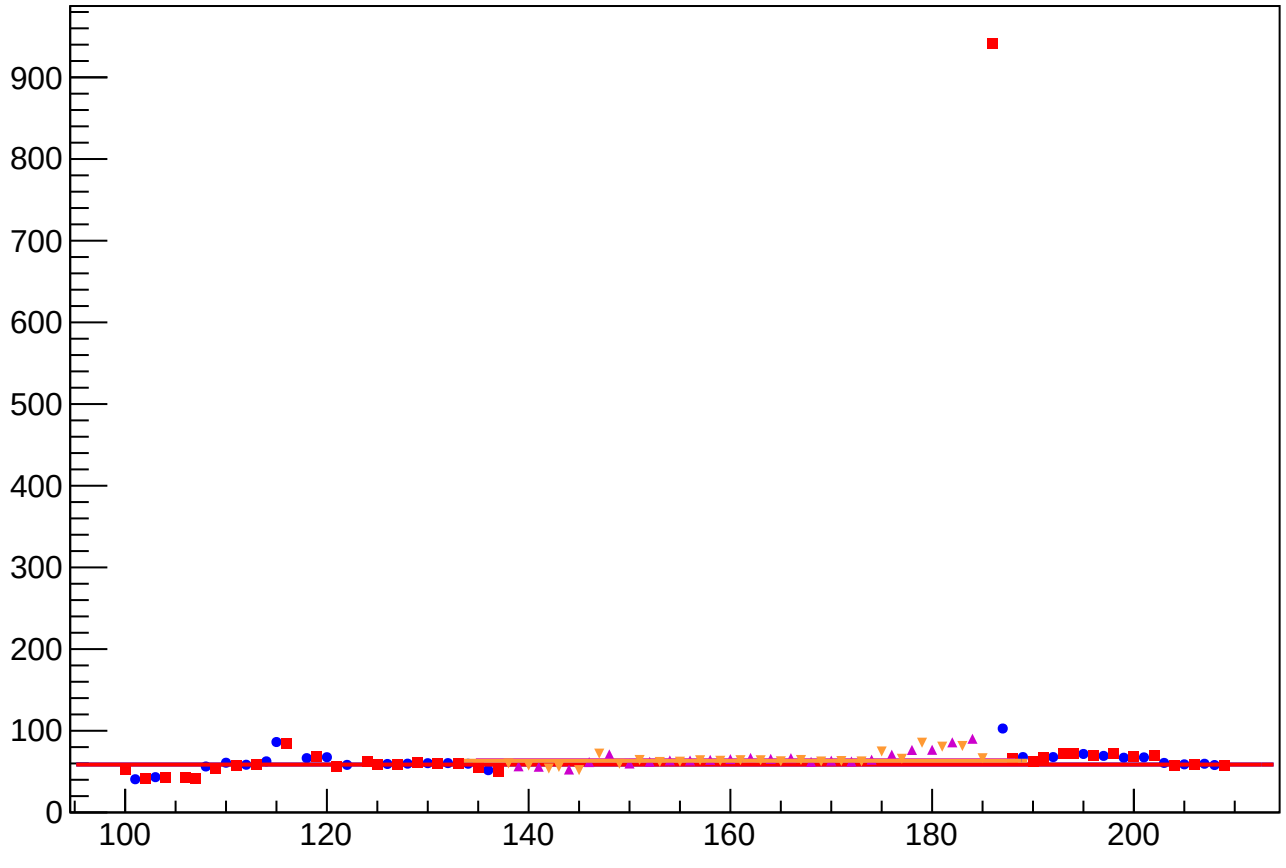
Left: 18.689+/-10.437 χ^2/NDF: 57.8/47

Right: 40.213+/-10.434 χ^2/NDF: 76.1/58

In: 27.195+/-10.618 χ^2/NDF:59.4/49

Out: 31.564+/-10.262 χ^2/NDF:76.5/56

All: 29.454+/-7.379 χ^2/NDF: 136.0/106



Right In: 58.704+/-0.011 χ^2/NDF: 777048.2/26

Left Out: 63.312+/-0.010 χ^2/NDF:497429.6/24

Right Out: 58.623+/-0.010 χ^2/NDF: 1649238.1/31

Left In: 63.918+/-0.011 χ^2/NDF:445309.5/22

Left: 63.604+/-0.007 χ^2/NDF: 944421.2/47

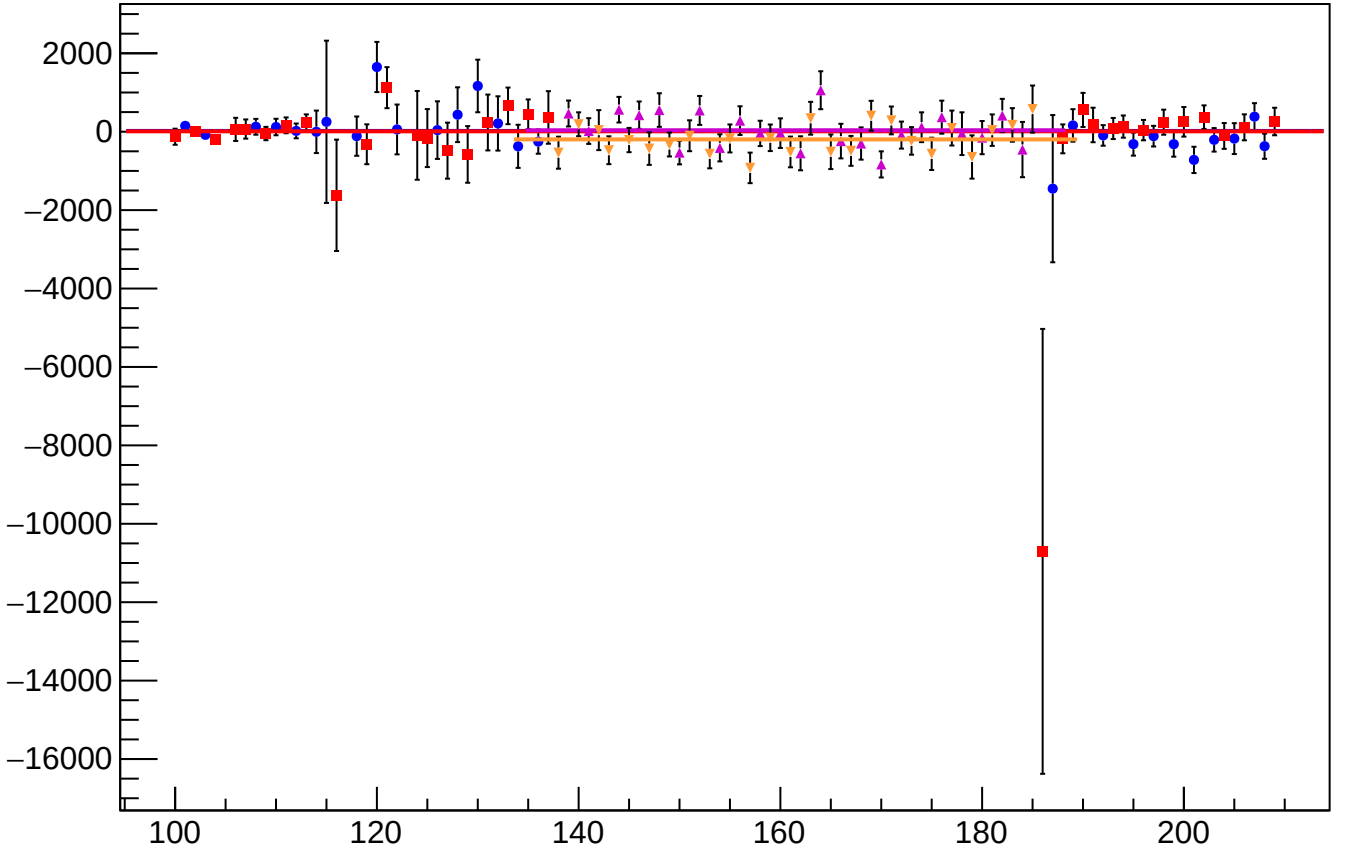
Right: 58.662+/-0.007 χ^2/NDF: 2426316.6/58

In: 61.303+/-0.008 χ^2/NDF:1342940.6/49

Out: 60.973+/-0.007 χ^2/NDF:2251100.4/56

All: 61.132+/-0.005 χ^2/NDF: 3595037.5/106

asym_sam_15_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: 19.538+/-42.110 χ^2/NDF: 28.6/26

Left Out: -195.942+/-77.088 χ^2/NDF:20.6/24

Right Out: 9.885+/-44.309 χ^2/NDF: 27.5/31

Left In: 36.414+/-79.210 χ^2/NDF:31.1/22

Left: -82.918+/-55.244 χ^2/NDF: 56.1/47

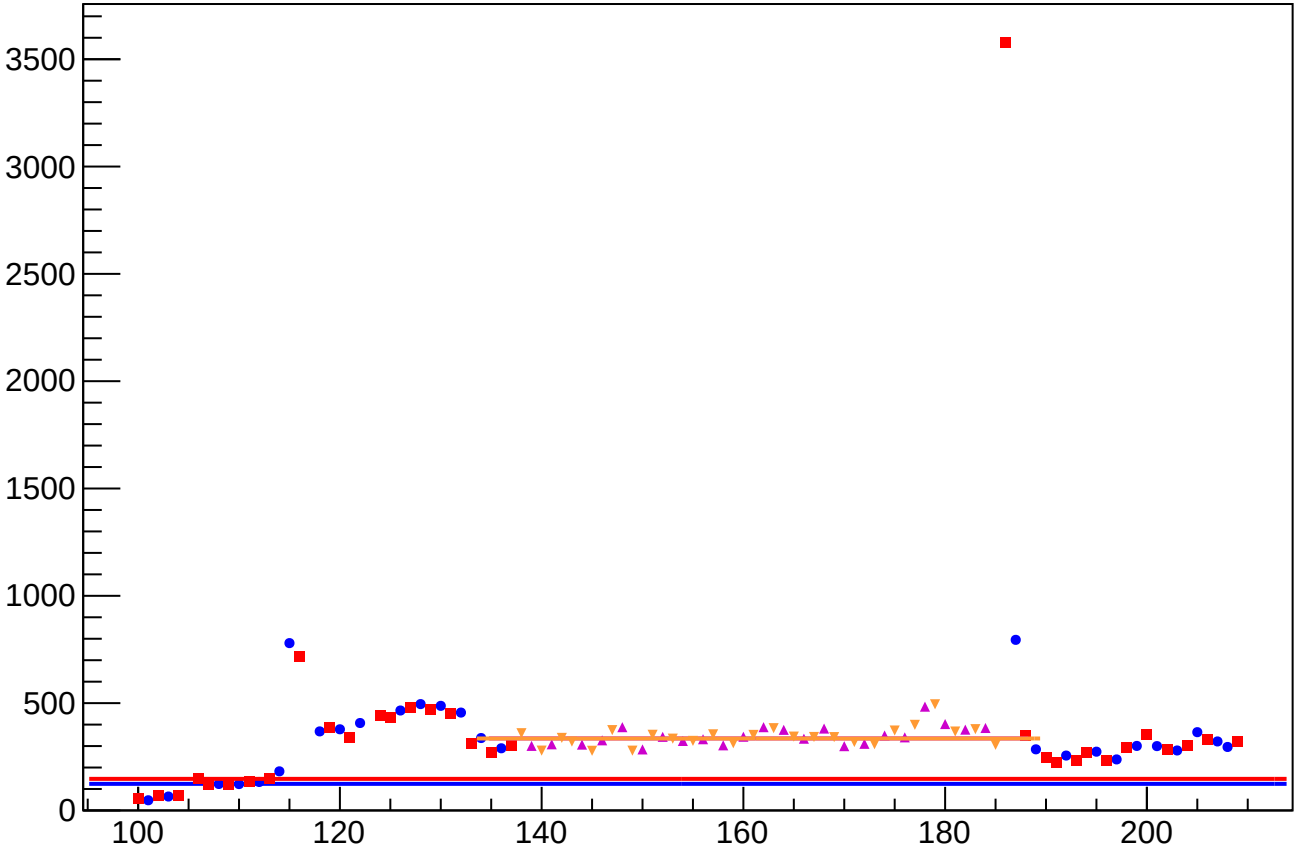
Right: 14.957+/-30.524 χ^2/NDF: 56.1/58

In: 23.256+/-37.182 χ^2/NDF:59.7/49

Out: -41.229+/-38.415 χ^2/NDF:53.5/56

All: -7.935+/-26.717 χ^2/NDF: 114.6/106

asym_sam_15_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 123.927+/-0.030 χ^2/NDF: 13434931.8/26

Left Out: 335.271+/-0.055 χ^2/NDF:563797.0/24

Right Out: 147.182+/-0.031 χ^2/NDF: 11836791.8/31

Left In: 335.526+/-0.056 χ^2/NDF:495170.0/22

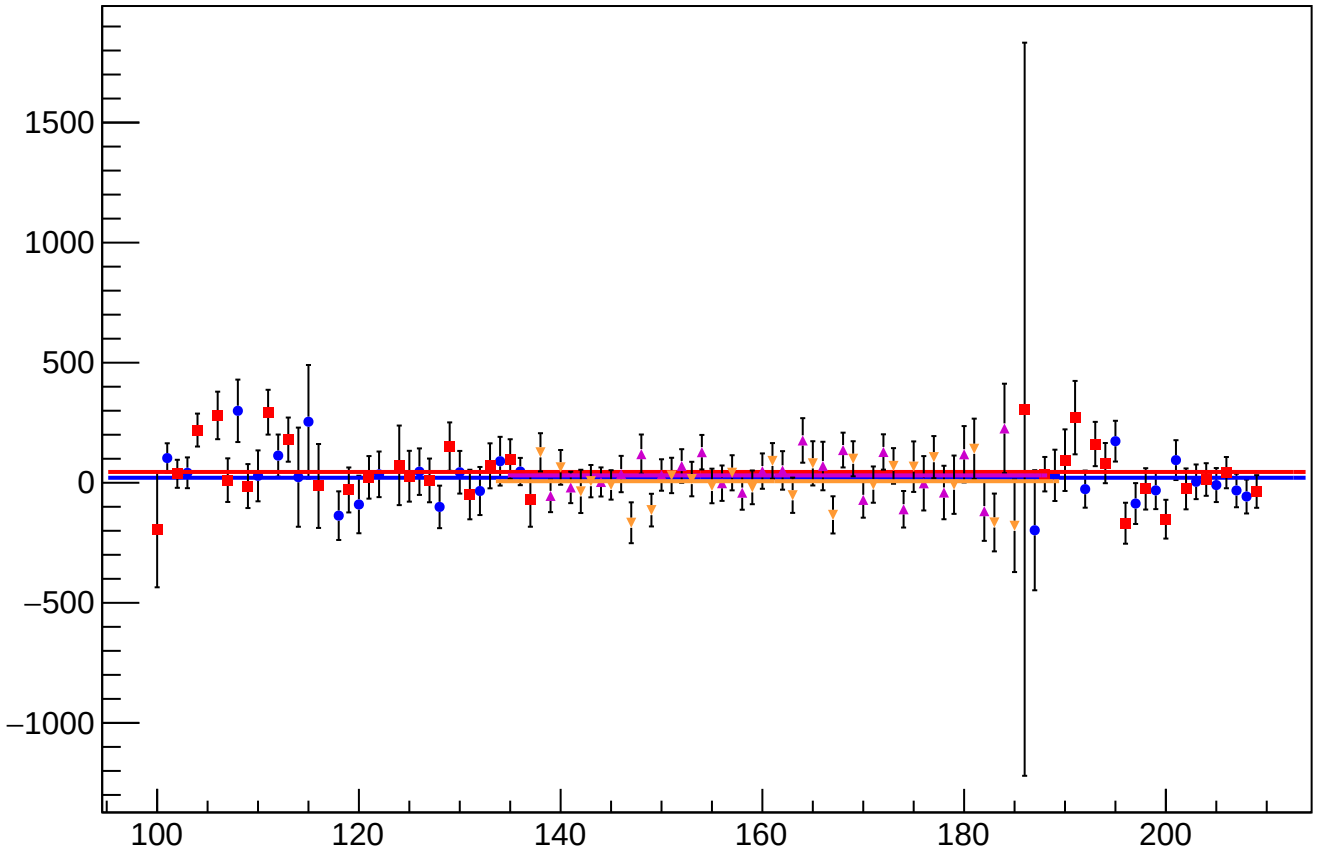
Left: 335.395+/-0.039 χ^2/NDF: 1058977.6/47

Right: 134.963+/-0.022 χ^2/NDF: 25561187.2/58

In: 170.552+/-0.026 χ^2/NDF:25057647.4/49

Out: 193.891+/-0.027 χ^2/NDF:21350256.8/56

All: 181.841+/-0.019 χ^2/NDF: 46789035.8/10



Right In: 20.818+/-16.606 χ^2/NDF: 24.1/26

Left Out: 6.469+/-15.977 χ^2/NDF:25.1/24

Right Out: 44.992+/-15.932 χ^2/NDF: 46.7/31

Left In: 30.662+/-16.503 χ^2/NDF:22.5/22

Left: 18.174+/-11.479 χ^2/NDF: 48.6/47

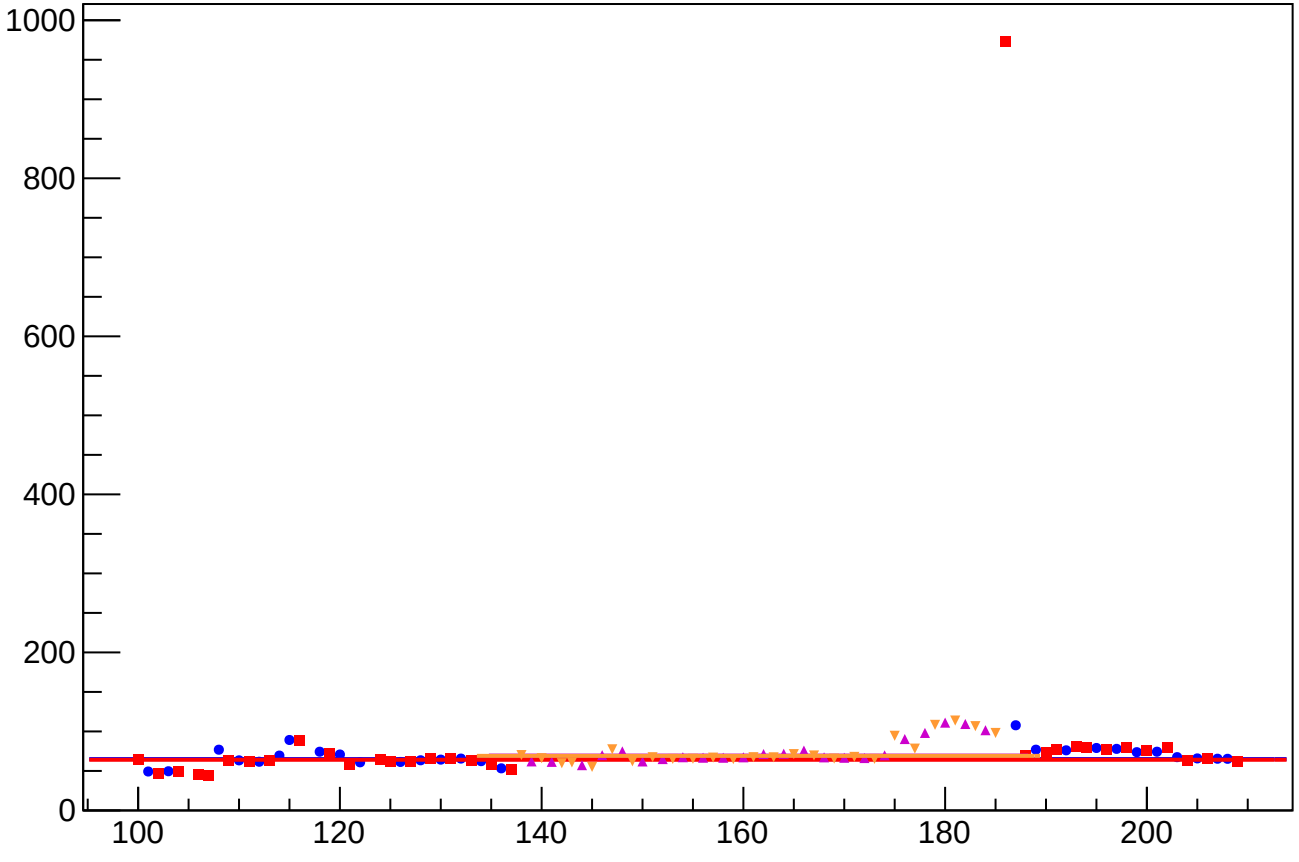
Right: 33.405+/-11.497 χ^2/NDF: 71.9/58

In: 25.771+/-11.706 χ^2/NDF:46.7/49

Out: 25.785+/-11.282 χ^2/NDF:74.7/56

All: 25.778+/-8.123 χ^2/NDF: 121.4/106

dit_asym_sam_15_avg_rms vs Slug, Sign Corrected



Right In: 65.026+/-0.012 χ^2/NDF: 681354.9/26

Left Out: 69.078+/-0.011 χ^2/NDF:1074001.6/24

Right Out: 64.165+/-0.011 χ^2/NDF: 1635583.9/31

Left In: 69.436+/-0.012 χ^2/NDF:924607.6/22

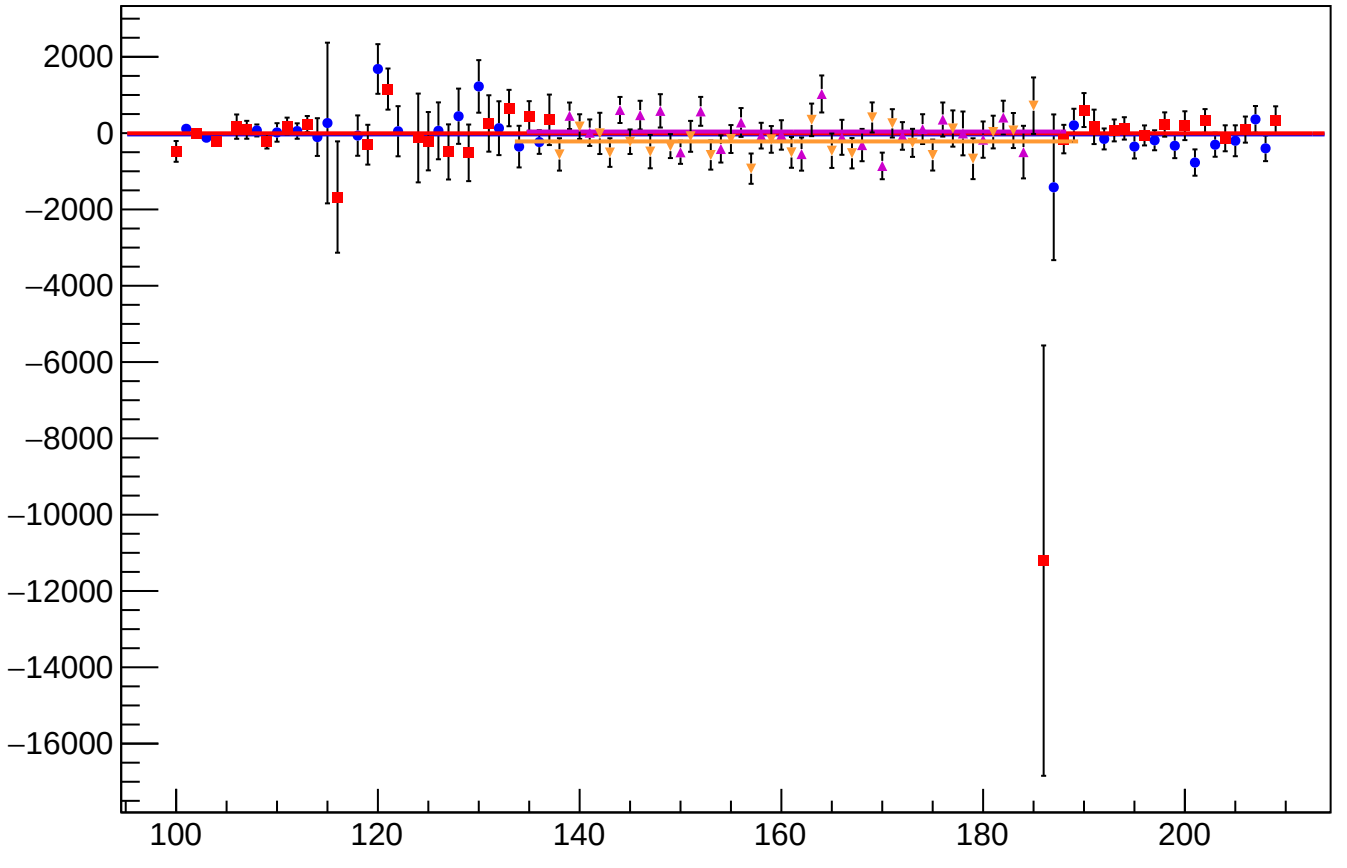
Left: 69.252+/-0.008 χ^2/NDF: 1999094.5/47

Right: 64.578+/-0.008 χ^2/NDF: 2319736.8/58

In: 67.245+/-0.008 χ^2/NDF:1676940.2/49

Out: 66.615+/-0.008 χ^2/NDF:2804422.6/56

All: 66.918+/-0.006 χ^2/NDF: 4484365.4/106



Right In: -33.624+/-47.511 χ^2/NDF: 26.8/26

Left Out: -217.349+/-80.133 χ^2/NDF:19.3/24

Right Out: -4.982+/-46.588 χ^2/NDF: 31.5/31

Left In: 41.512+/-82.256 χ^2/NDF:30.0/22

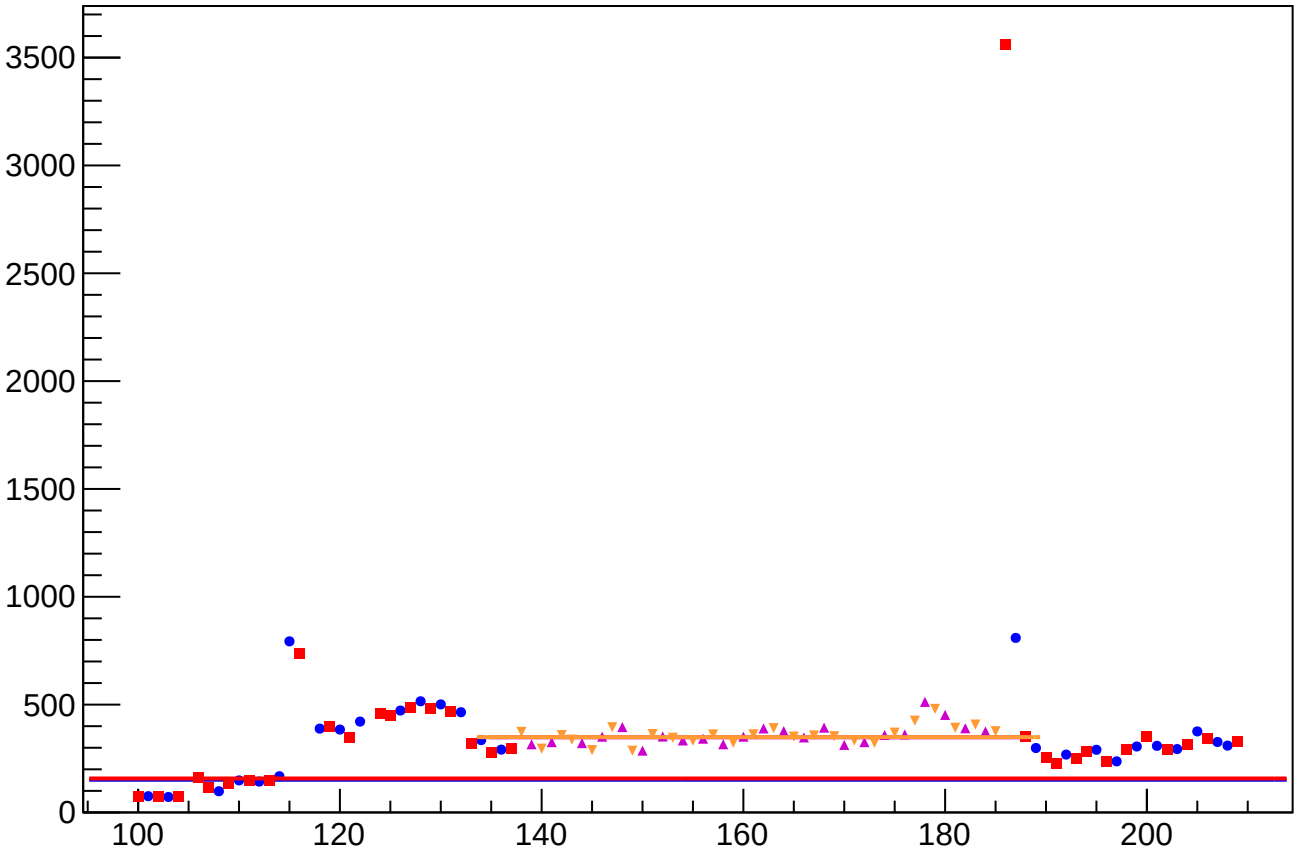
Left: -91.302+/-57.399 χ^2/NDF: 54.4/47

Right: -19.022+/-33.264 χ^2/NDF: 58.5/58

In: -14.828+/-41.141 χ^2/NDF:57.4/49

Out: -58.629+/-40.276 χ^2/NDF:56.1/56

All: -37.194+/-28.780 χ^2/NDF: 114.1/106



Right In: 151.675+/-0.034 χ^2/NDF: 10923880.5/26

Left Out: 349.177+/-0.057 χ^2/NDF:524075.5/24

Right Out: 157.503+/-0.033 χ^2/NDF: 11214411.5/31

Left In: 348.560+/-0.058 χ^2/NDF:525743.6/22

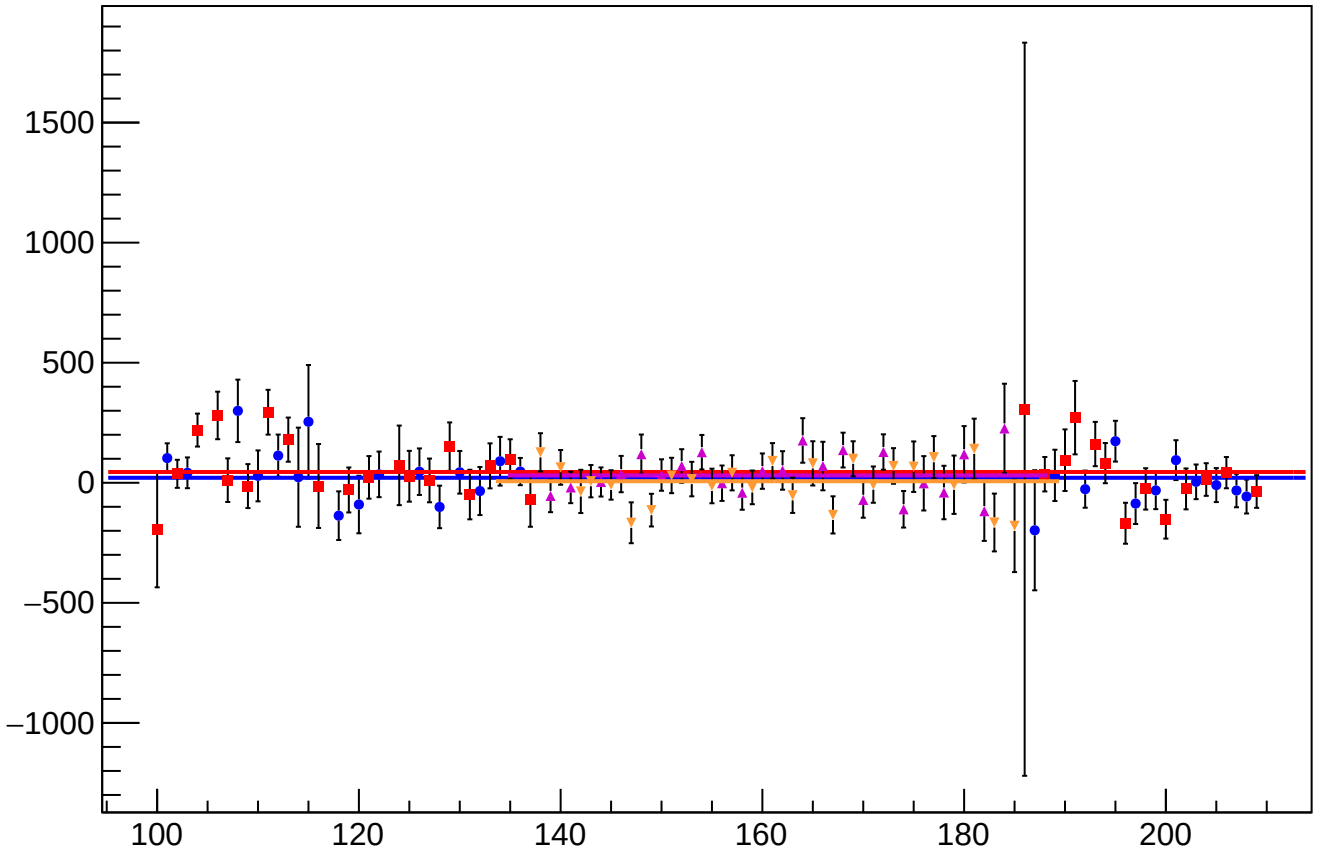
Left: 348.876+/-0.041 χ^2/NDF: 1049876.9/47

Right: 154.646+/-0.024 χ^2/NDF: 22153629.7/58

In: 200.928+/-0.029 χ^2/NDF:20041414.9/49

Out: 205.923+/-0.028 χ^2/NDF:20290629.4/56

All: 203.479+/-0.020 χ^2/NDF: 40347095.1/10



Right In: 20.818+/-16.606 χ^2/NDF: 24.1/26

Left Out: 6.469+/-15.977 χ^2/NDF:25.1/24

Right Out: 44.991+/-15.932 χ^2/NDF: 46.7/31

Left In: 30.662+/-16.503 χ^2/NDF:22.5/22

Left: 18.174+/-11.479 χ^2/NDF: 48.6/47

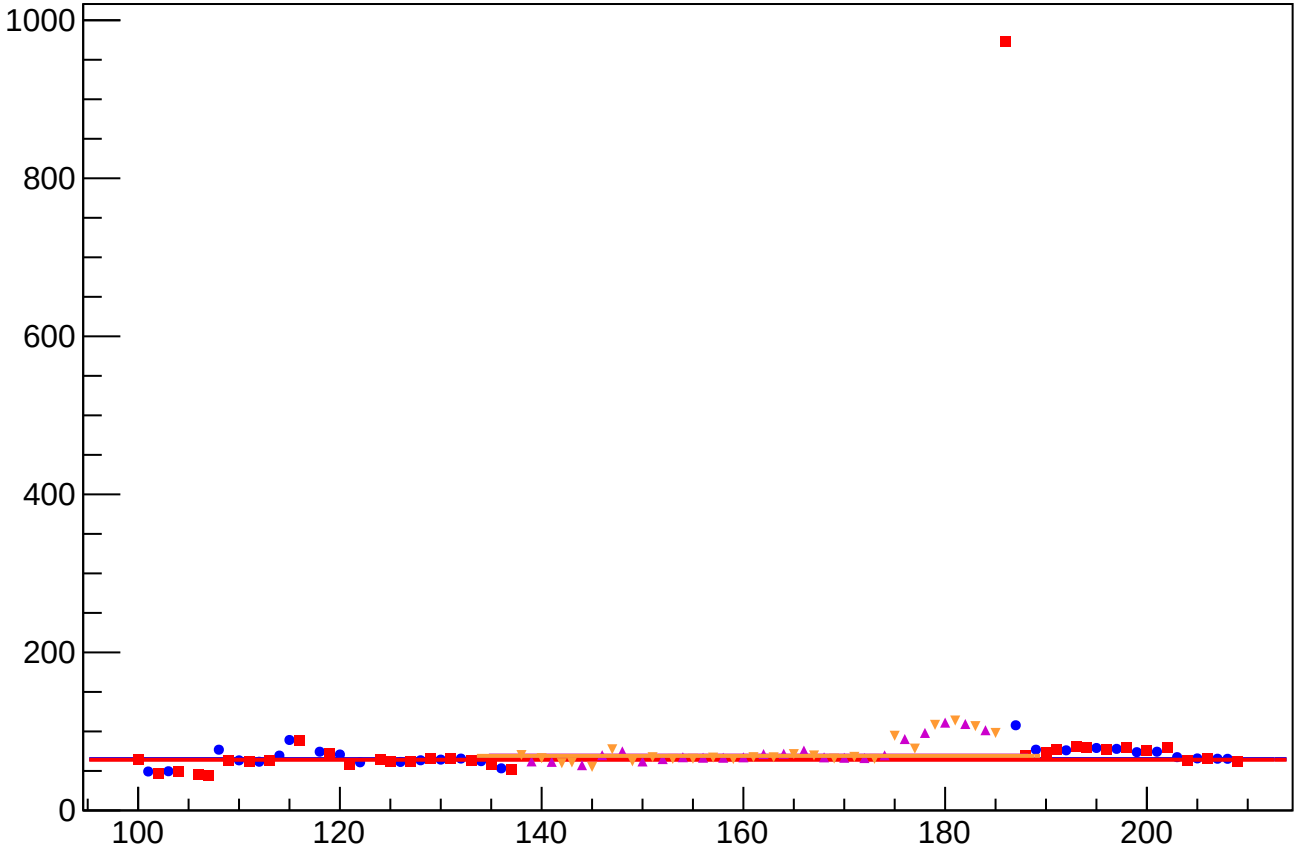
Right: 33.405+/-11.497 χ^2/NDF: 71.9/58

In: 25.771+/-11.706 χ^2/NDF:46.7/49

Out: 25.785+/-11.282 χ^2/NDF:74.7/56

All: 25.778+/-8.123 χ^2/NDF: 121.4/106

eigen_dit_asym_sam_15_avg_rms vs Slug, Sign Corrected



Right In: 65.026+/-0.012 χ^2/NDF: 681355.0/26

Left Out: 69.079+/-0.011 χ^2/NDF:1073983.7/24

Right Out: 64.165+/-0.011 χ^2/NDF: 1635583.8/31

Left In: 69.436+/-0.012 χ^2/NDF:924591.6/22

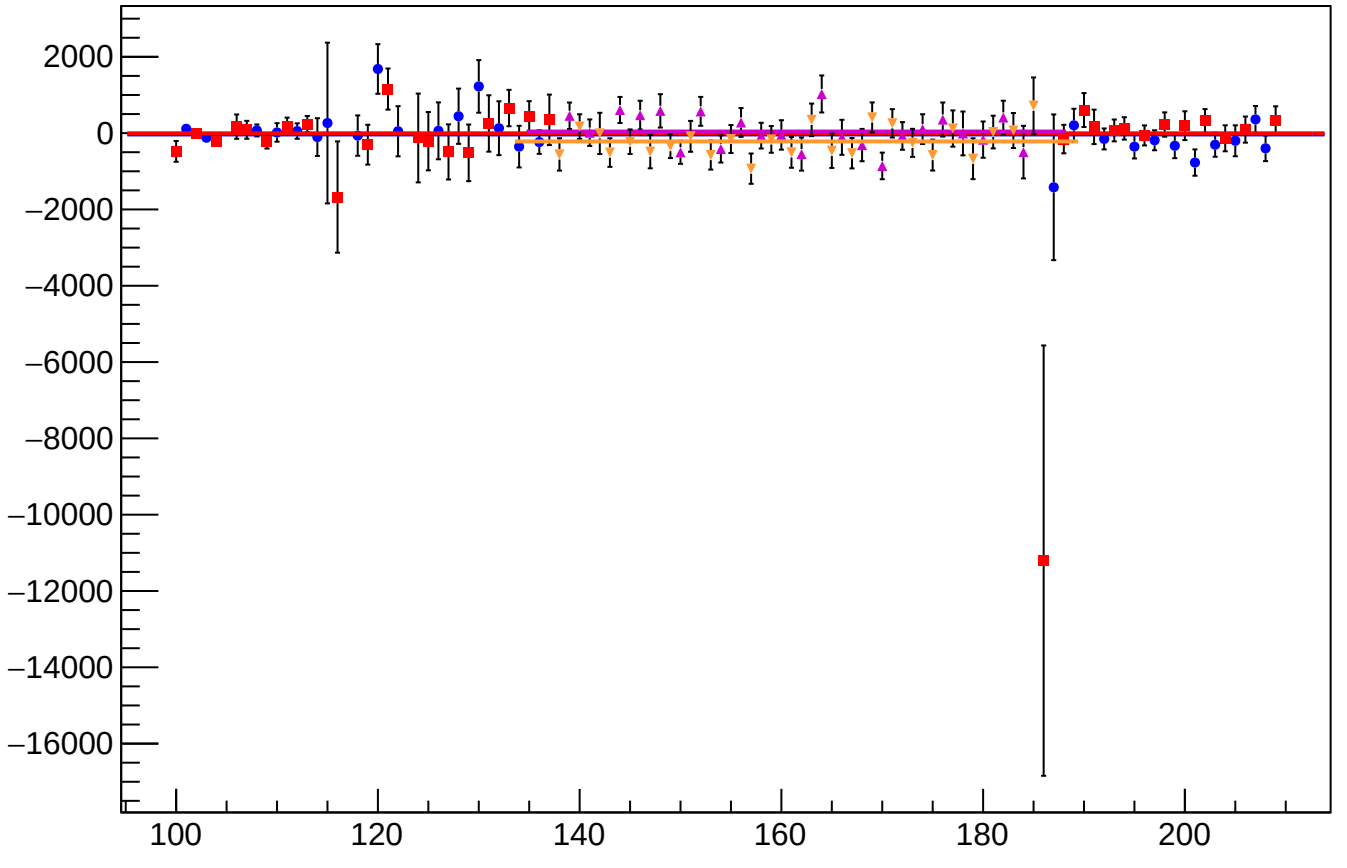
Left: 69.252+/-0.008 χ^2/NDF: 1999060.7/47

Right: 64.578+/-0.008 χ^2/NDF: 2319736.8/58

In: 67.245+/-0.008 χ^2/NDF:1676932.2/49

Out: 66.615+/-0.008 χ^2/NDF:2804411.1/56

All: 66.918+/-0.006 χ^2/NDF: 4484346.1/106



Right In: -33.624+/-47.511 χ^2/NDF: 26.8/26

Left Out: -217.348+/-80.133 χ^2/NDF:19.3/24

Right Out: -4.982+/-46.588 χ^2/NDF: 31.5/31

Left In: 41.512+/-82.256 χ^2/NDF:30.0/22

Left: -91.302+/-57.399 χ^2/NDF: 54.4/47

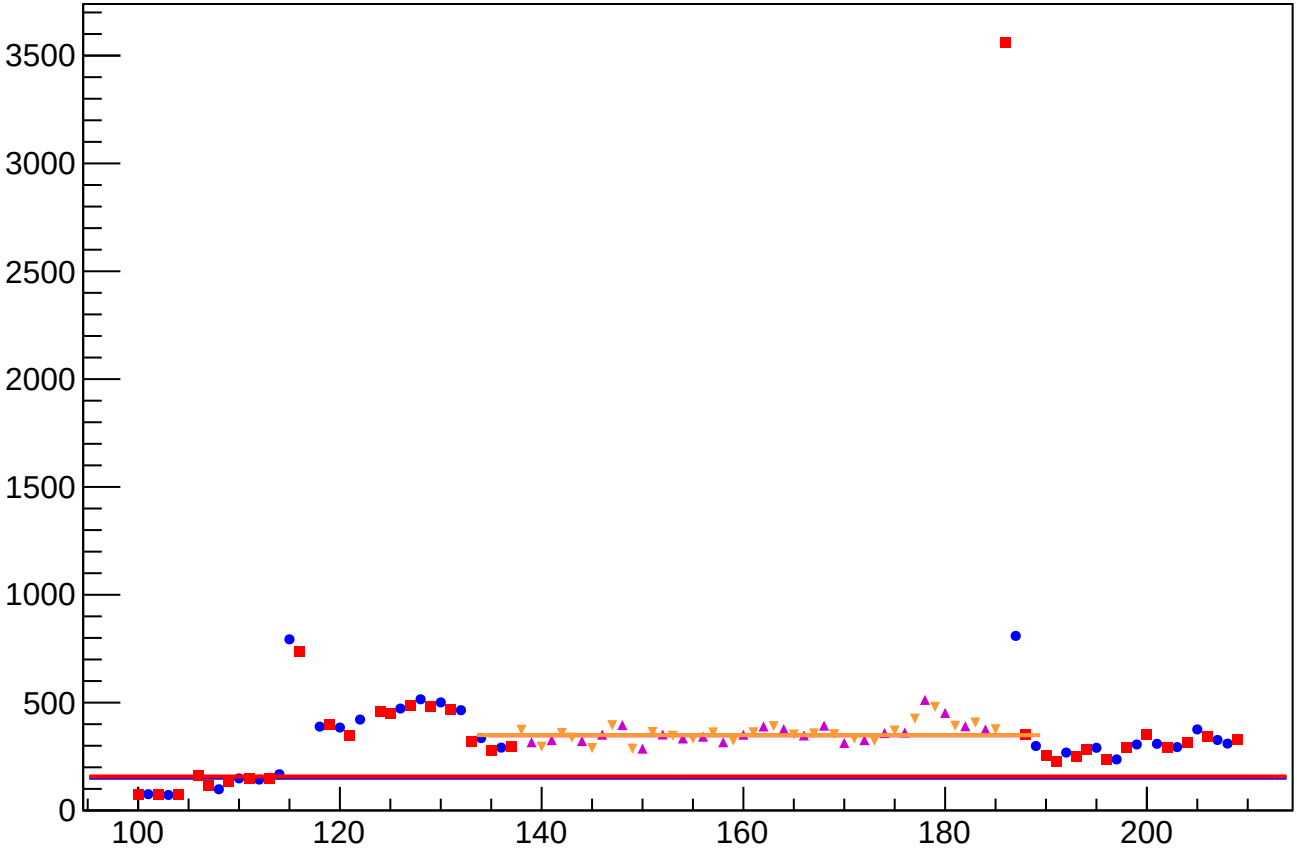
Right: -19.022+/-33.264 χ^2/NDF: 58.5/58

In: -14.828+/-41.141 χ^2/NDF:57.4/49

Out: -58.629+/-40.276 χ^2/NDF:56.1/56

All: -37.194+/-28.780 χ^2/NDF: 114.1/106

asym_sam_15_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 151.675+/-0.034 χ^2/NDF: 10923890.2/26

Left Out: 349.177+/-0.057 χ^2/NDF:524067.1/24

Right Out: 157.502+/-0.033 χ^2/NDF: 11214454.5/31

Left In: 348.560+/-0.058 χ^2/NDF:525736.6/22

Left: 348.877+/-0.041 χ^2/NDF: 1049861.4/47

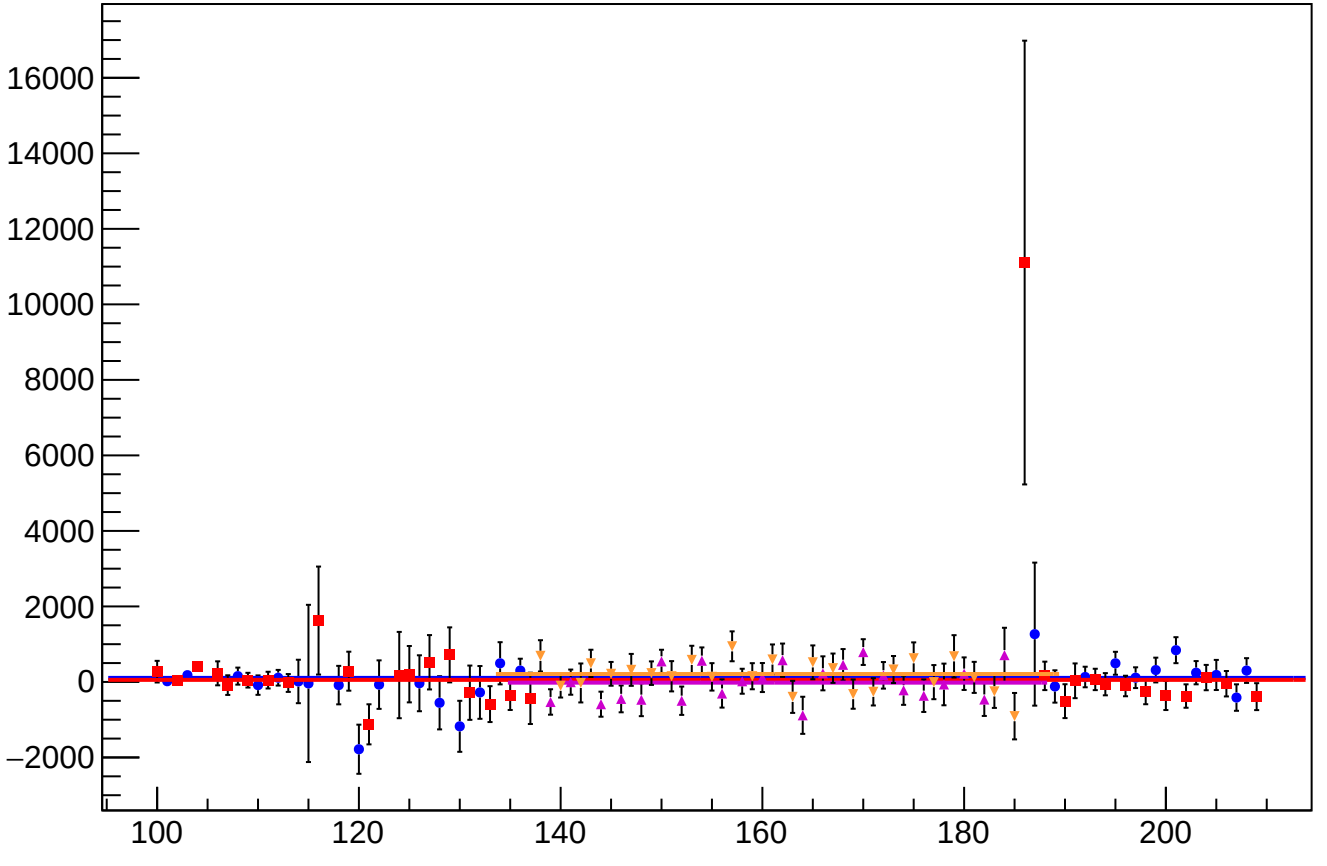
Right: 154.646+/-0.024 χ^2/NDF: 22153681.7/58

In: 200.928+/-0.029 χ^2/NDF:20041482.5/49

Out: 205.922+/-0.028 χ^2/NDF:20290740.0/56

All: 203.478+/-0.020 χ^2/NDF: 40347272.8/10

asym_sam_15_avg_mean vs Slug, Sign Corrected



Right In: 107.253+/-51.235 χ^2/NDF: 26.3/26

Left Out: 209.819+/-78.511 χ^2/NDF:21.4/24

Right Out: 54.954+/-49.738 χ^2/NDF: 33.8/31

Left In: -18.738+/-80.699 χ^2/NDF:32.0/22

Left: 98.681+/-56.273 χ^2/NDF: 57.6/47

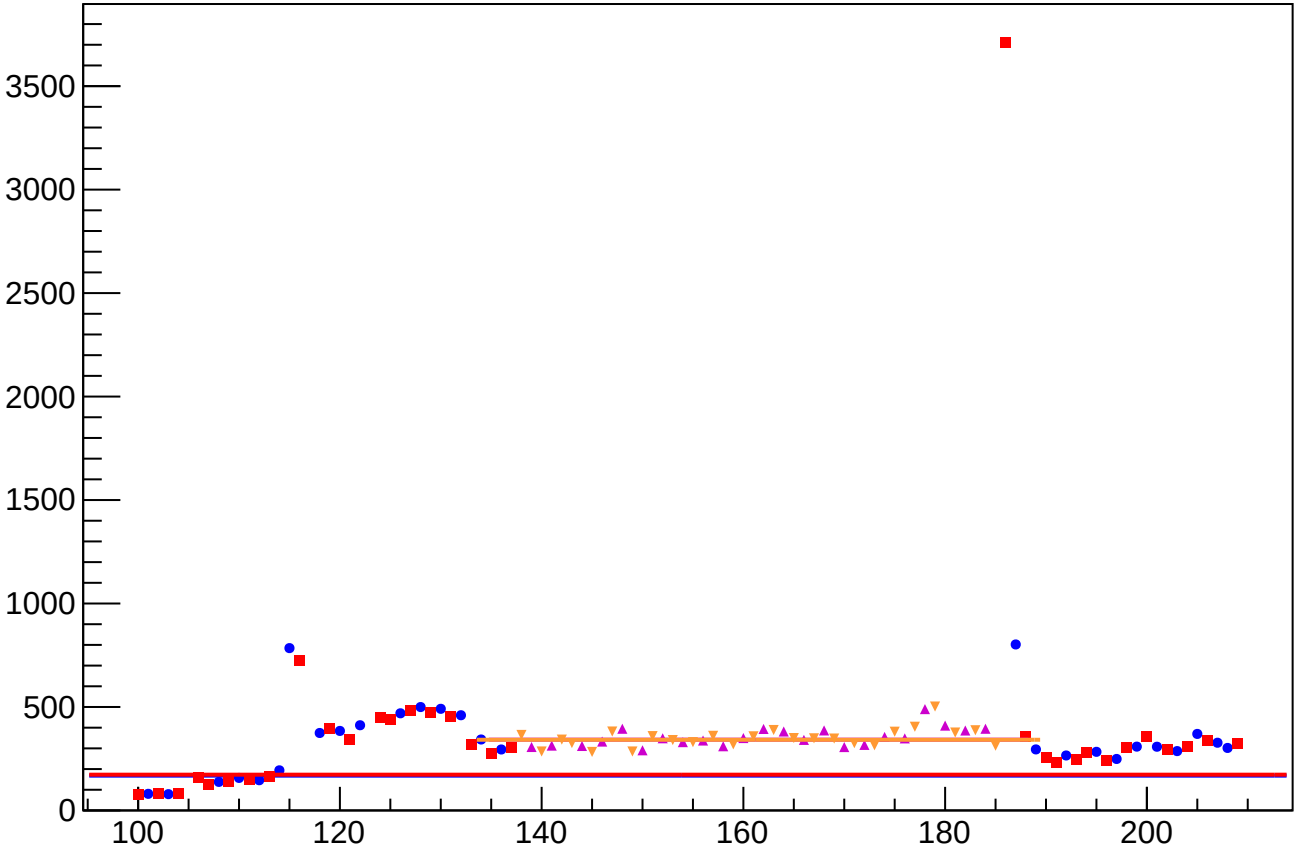
Right: 80.328+/-35.688 χ^2/NDF: 60.6/58

In: 71.058+/-43.254 χ^2/NDF:60.0/49

Out: 99.307+/-42.016 χ^2/NDF:58.0/56

All: 85.592+/-30.138 χ^2/NDF: 118.2/106

asym_sam_15_avg_rms vs Slug, Sign Corrected



Right In: 168.281+/-0.036 χ^2/NDF: 9594107.8/26

Left Out: 341.585+/-0.056 χ^2/NDF:554287.8/24

Right Out: 172.868+/-0.035 χ^2/NDF: 9843781.8/31

Left In: 341.943+/-0.057 χ^2/NDF:485509.1/22

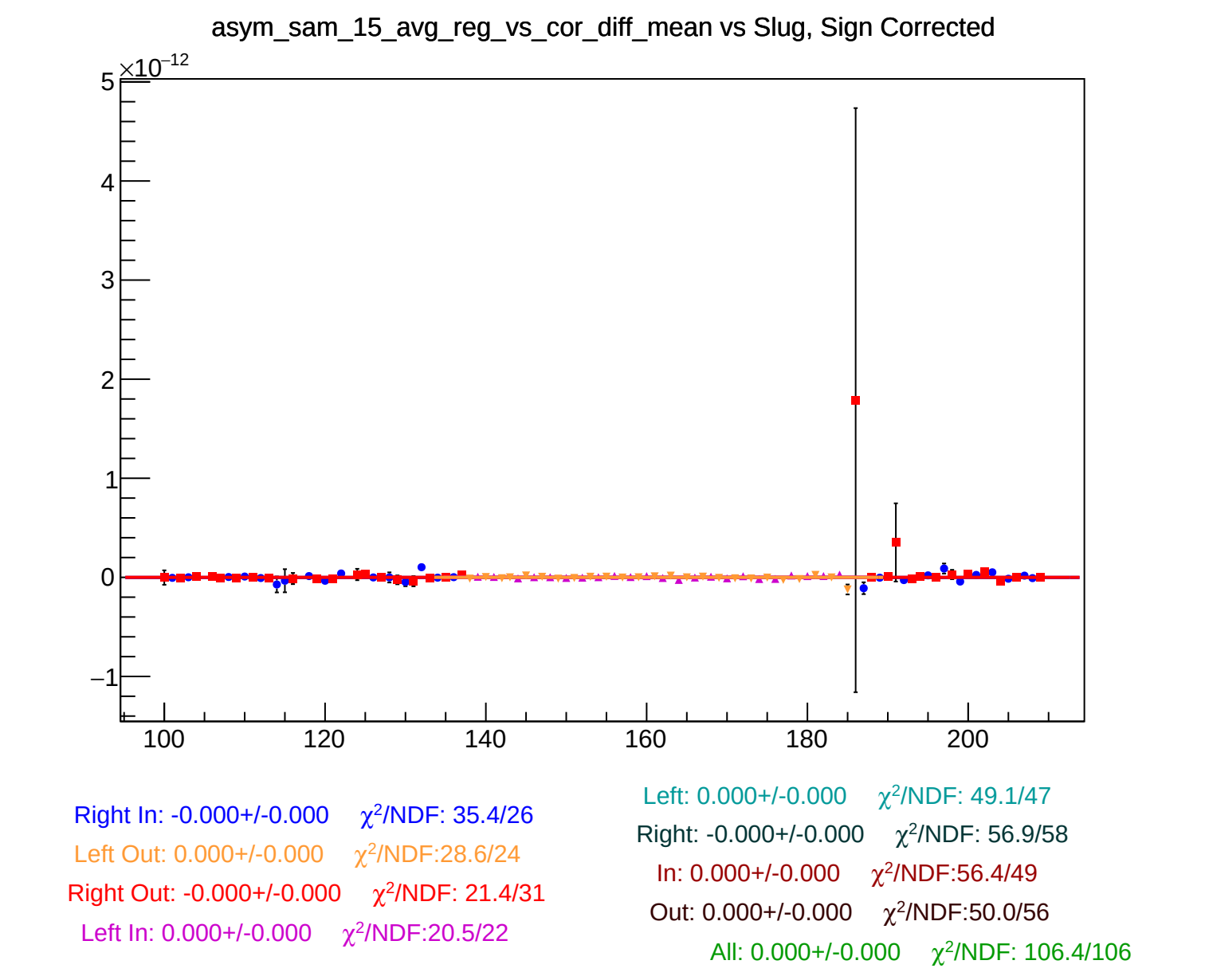
Left: 341.759+/-0.040 χ^2/NDF: 1039817.1/47

Right: 170.643+/-0.025 χ^2/NDF: 19446141.6/58

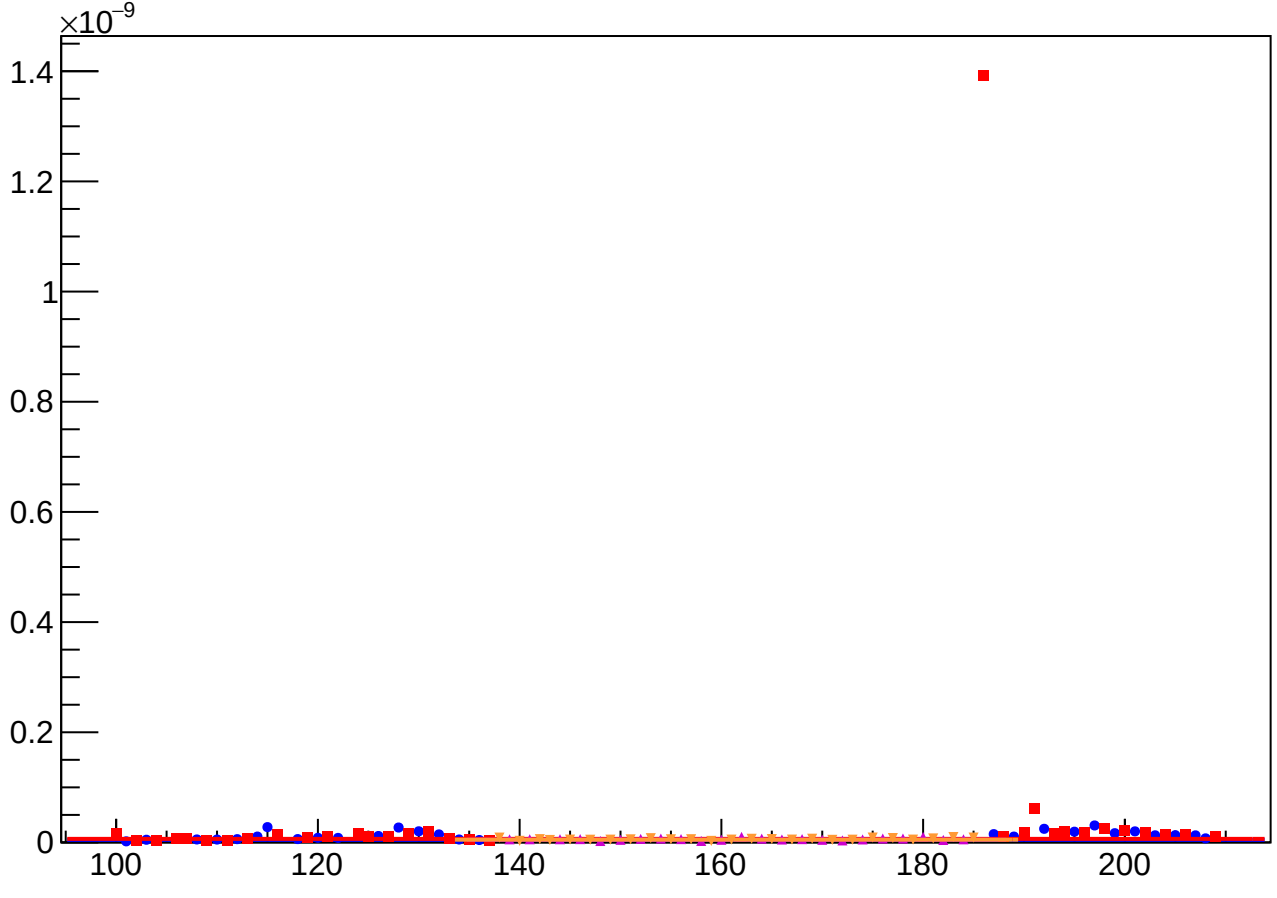
In: 218.171+/-0.031 χ^2/NDF:16680702.9/49

Out: 221.188+/-0.030 χ^2/NDF:16988867.1/56

All: 219.723+/-0.021 χ^2/NDF: 33674574.4/10


asym_sam_15_avg_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
5
4
3
2
1
0
−1
100
120
140
160
180
200
Right In: -0.000+/-0.000 χ²/NDF: 35.4/26
Left Out: 0.000+/-0.000 χ²/NDF:28.6/24
Right Out: -0.000+/-0.000 χ²/NDF: 21.4/31
Left In: 0.000+/-0.000 χ²/NDF:20.5/22
Left: 0.000+/-0.000 χ²/NDF: 49.1/47
Right: -0.000+/-0.000 χ²/NDF: 56.9/58
In: 0.000+/-0.000 χ²/NDF:56.4/49
Out: 0.000+/-0.000 χ²/NDF:50.0/56
All: 0.000+/-0.000 χ²/NDF: 106.4/106

asym_sam_15_avg_reg_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 6090023.7/26

Left Out: 0.000+/-0.000 χ^2/NDF:1294137.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 5079696.5/31

Left In: 0.000+/-0.000 χ^2/NDF:1225248.2/22

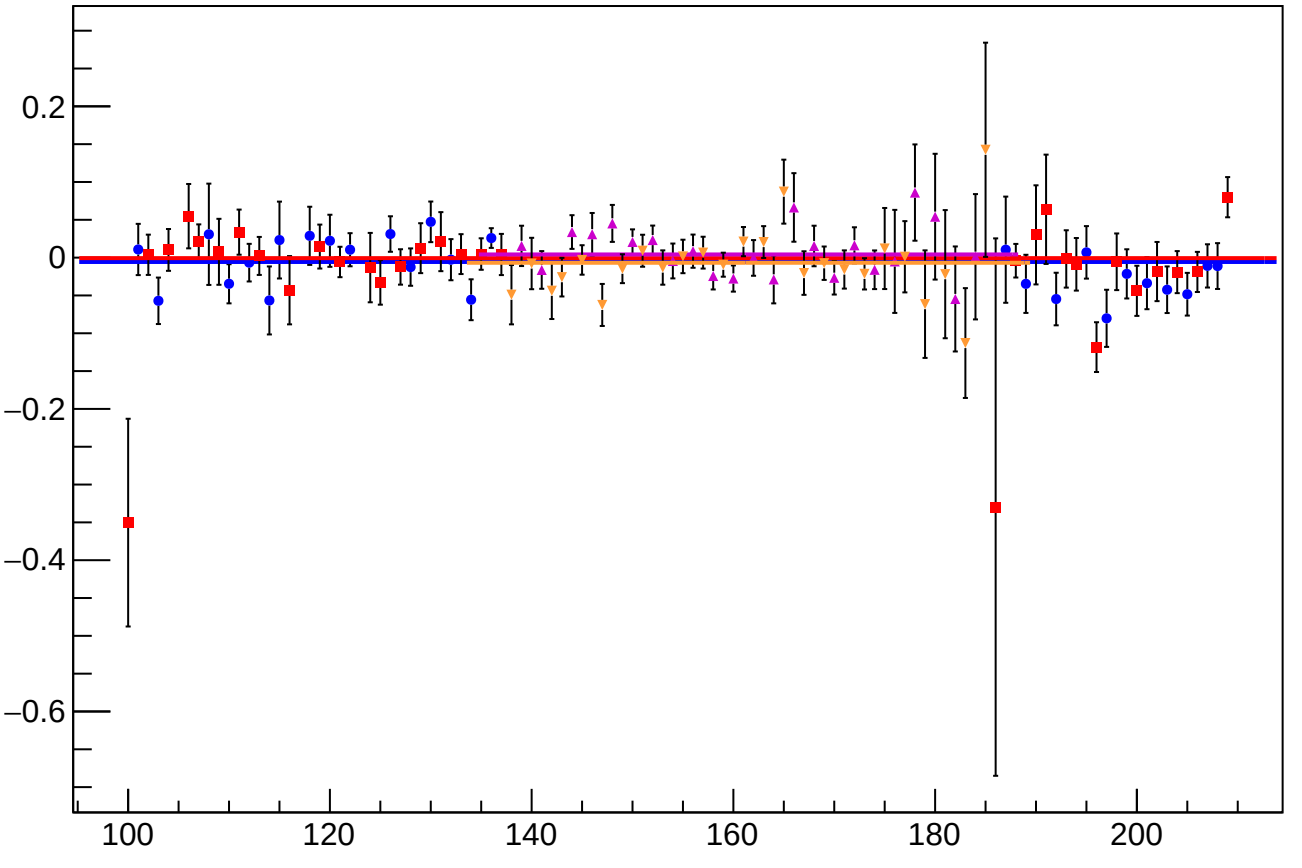
Left: 0.000+/-0.000 χ^2/NDF: 2519997.3/47

Right: 0.000+/-0.000 χ^2/NDF: 11617364.3/58

In: 0.000+/-0.000 χ^2/NDF:7331208.1/49

Out: 0.000+/-0.000 χ^2/NDF:6709347.2/56

All: 0.000+/-0.000 χ^2/NDF: 14196412.6/106



Right In: -0.006+/-0.006 χ^2/NDF: 35.3/26

Left Out: -0.007+/-0.005 χ^2/NDF:21.8/24

Right Out: -0.001+/-0.005 χ^2/NDF: 40.8/31

Left In: 0.004+/-0.005 χ^2/NDF:23.2/22

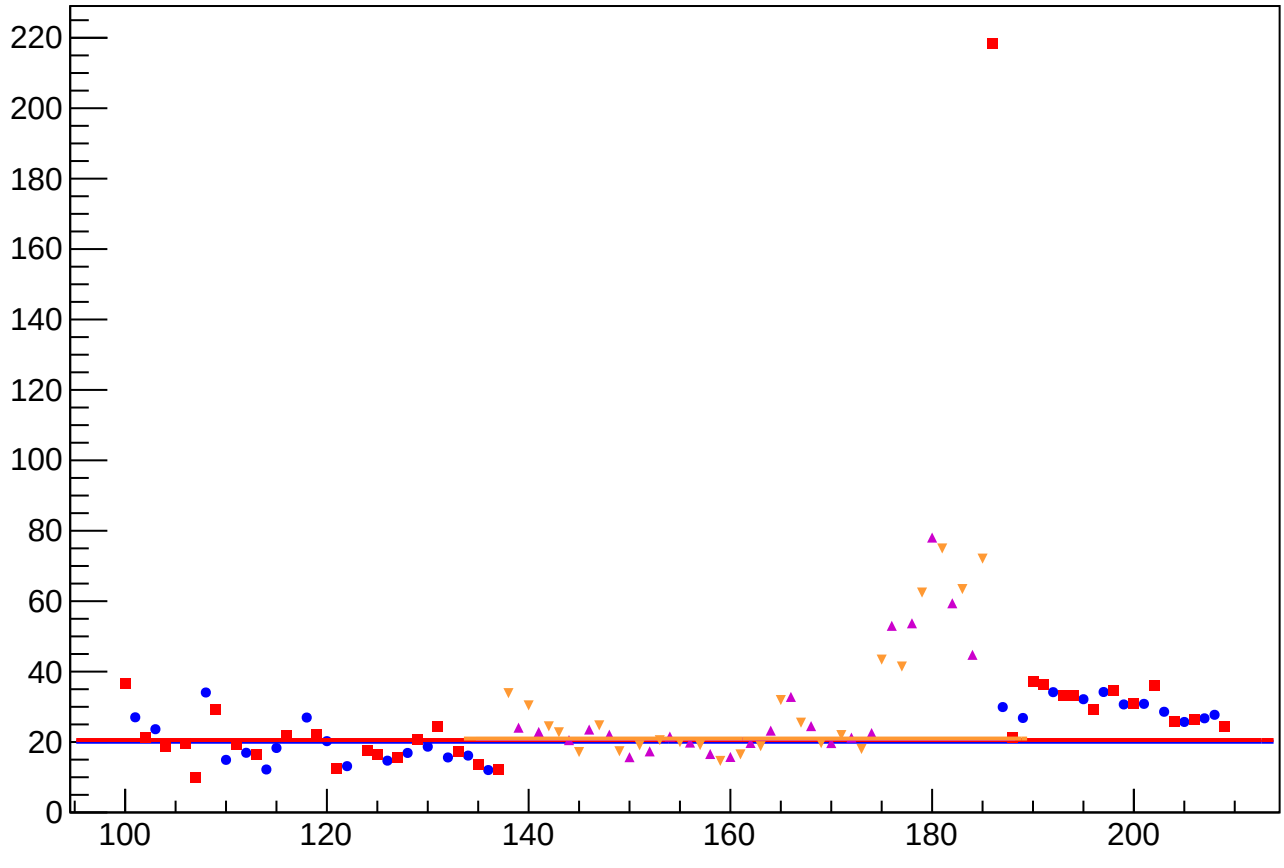
Left: -0.001+/-0.004 χ^2/NDF: 47.1/47

Right: -0.003+/-0.004 χ^2/NDF: 76.5/58

In: -0.001+/-0.004 χ^2/NDF:60.1/49

Out: -0.004+/-0.004 χ^2/NDF:63.2/56

All: -0.002+/-0.003 χ^2/NDF: 123.7/106



Right In: 20.085+/-0.004 χ^2/NDF: 3464382.2/26

Left Out: 20.981+/-0.004 χ^2/NDF:4467011.5/24

Right Out: 20.572+/-0.004 χ^2/NDF: 3987170.3/31

Left In: 20.868+/-0.004 χ^2/NDF:3534877.7/22

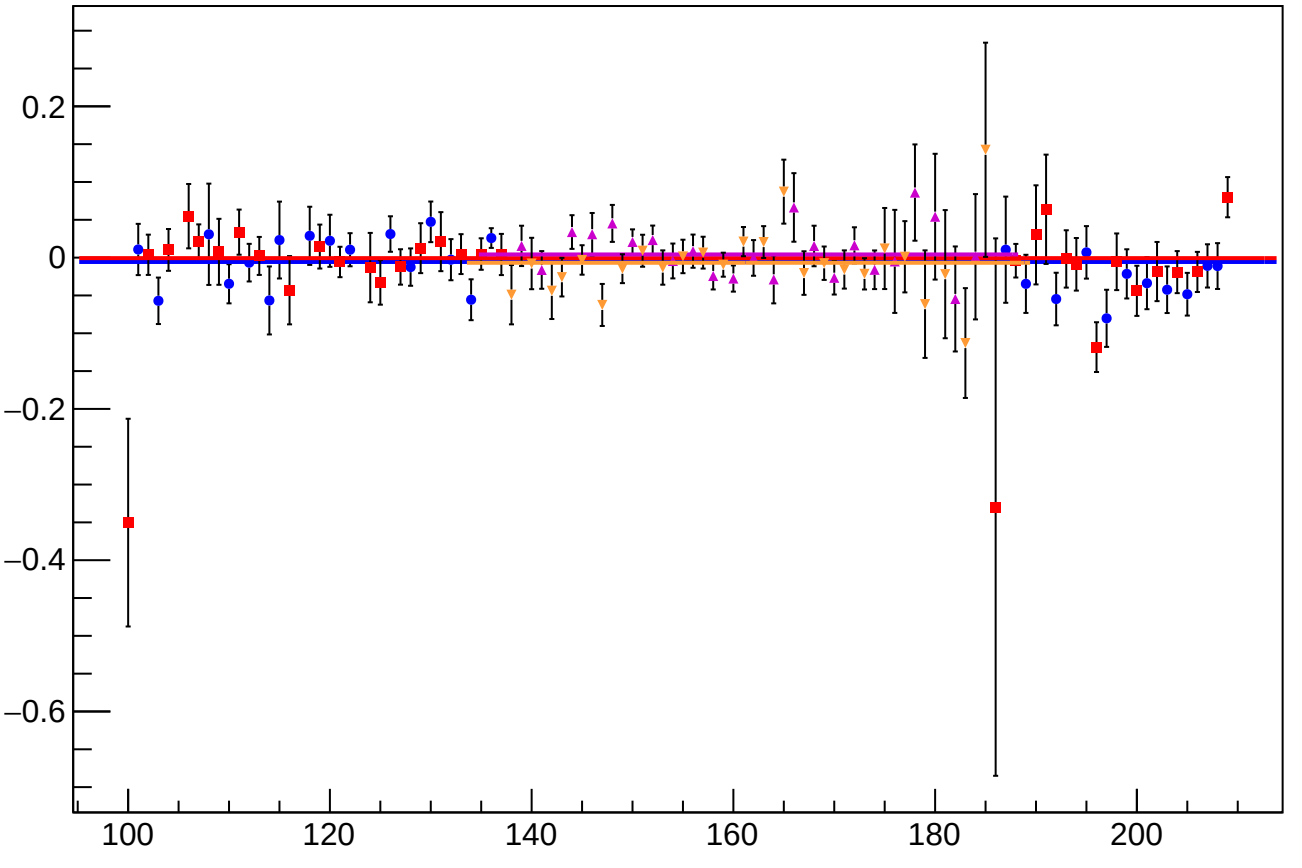
Left: 20.925+/-0.003 χ^2/NDF: 8002354.8/47

Right: 20.333+/-0.003 χ^2/NDF: 7459515.6/58

In: 20.493+/-0.003 χ^2/NDF:7020248.4/49

Out: 20.785+/-0.003 χ^2/NDF:8460096.4/56

All: 20.641+/-0.002 χ^2/NDF: 15486307.0/106



Right In: -0.006+/-0.006 χ^2/NDF: 35.3/26

Left Out: -0.007+/-0.005 χ^2/NDF:21.8/24

Right Out: -0.001+/-0.005 χ^2/NDF: 40.8/31

Left In: 0.004+/-0.005 χ^2/NDF:23.2/22

Left: -0.001+/-0.004 χ^2/NDF: 47.1/47

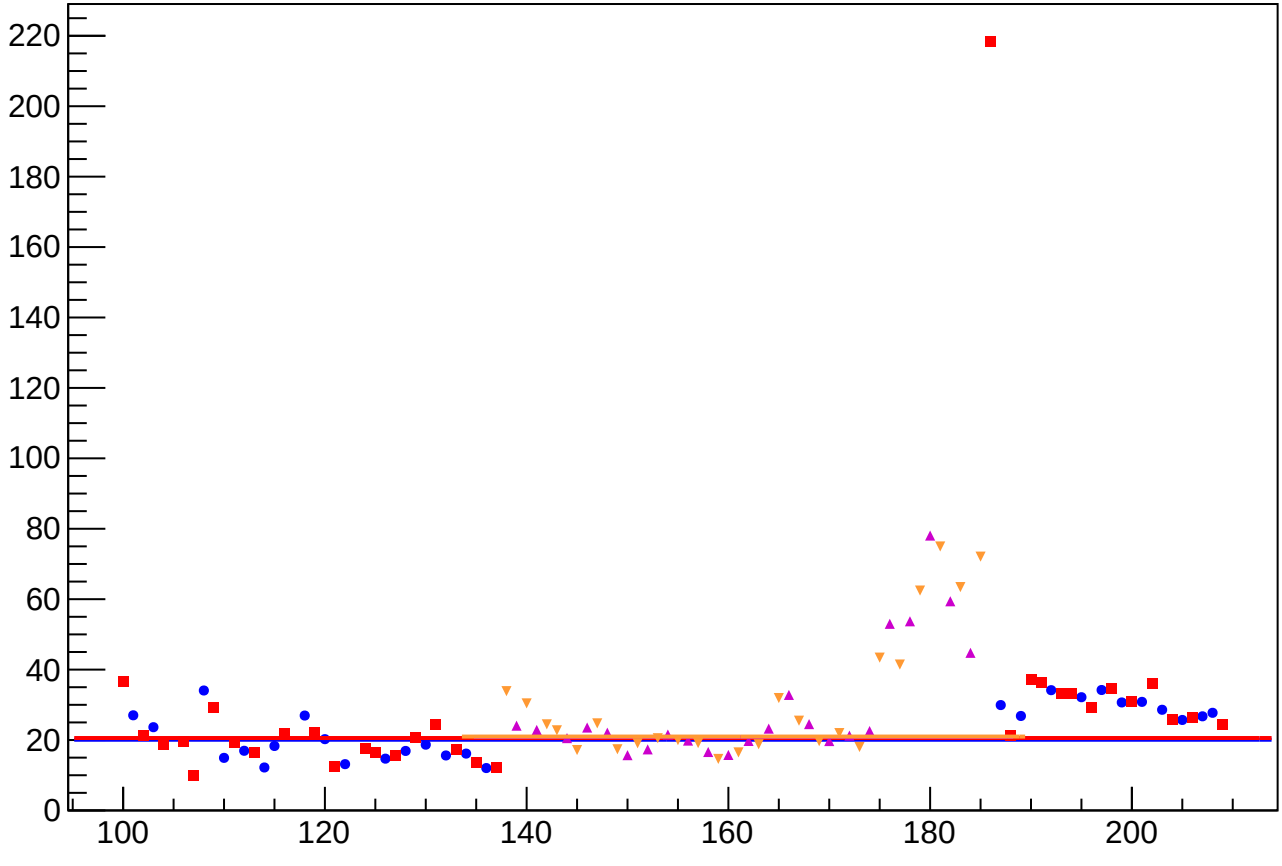
Right: -0.003+/-0.004 χ^2/NDF: 76.5/58

In: -0.001+/-0.004 χ^2/NDF:60.1/49

Out: -0.004+/-0.004 χ^2/NDF:63.2/56

All: -0.002+/-0.003 χ^2/NDF: 123.7/106

asym_sam_15_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 20.085+/-0.004 χ^2/NDF: 3464382.2/26

Left Out: 20.981+/-0.004 χ^2/NDF:4467011.5/24

Right Out: 20.572+/-0.004 χ^2/NDF: 3987170.3/31

Left In: 20.868+/-0.004 χ^2/NDF:3534877.7/22

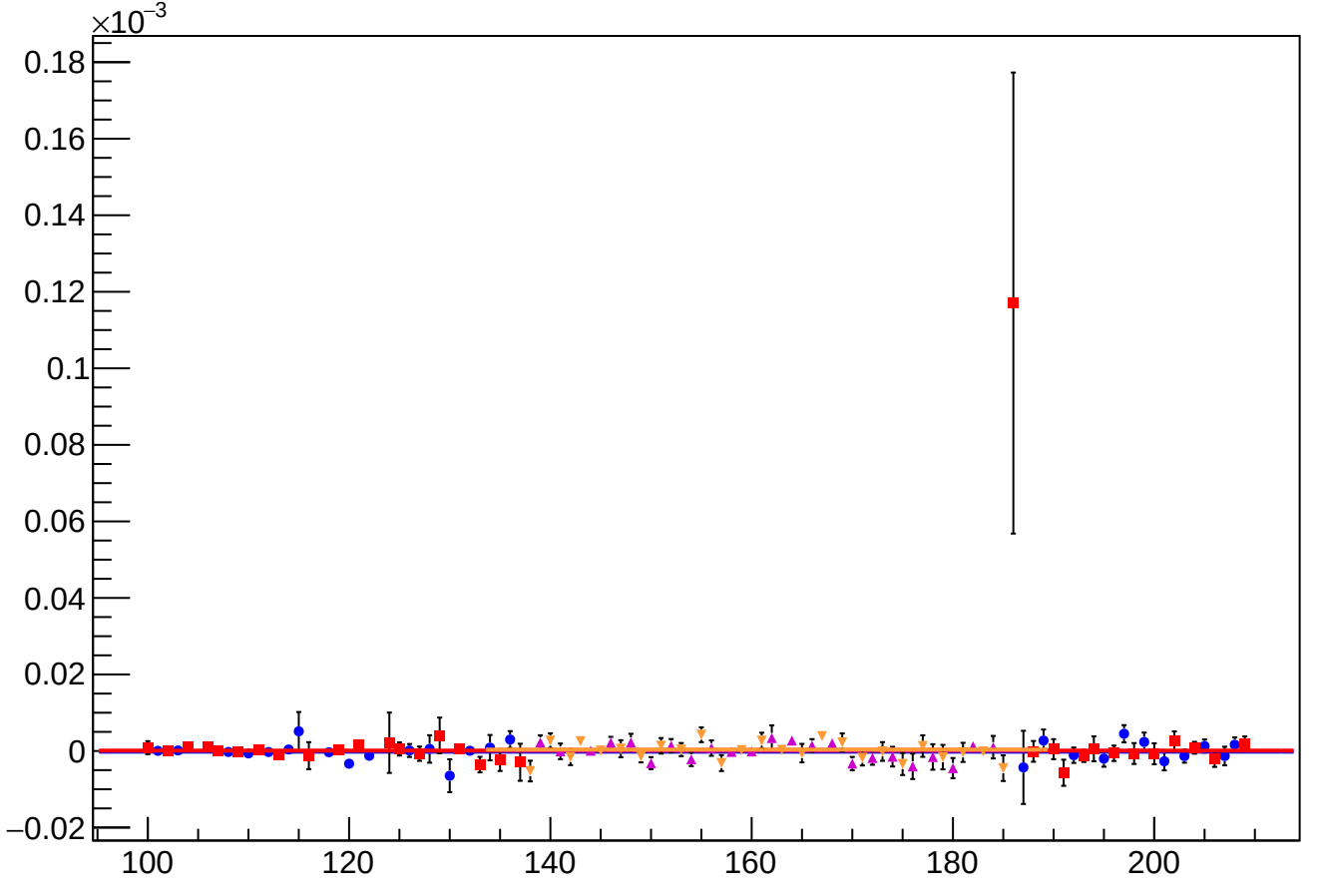
Left: 20.925+/-0.003 χ^2/NDF: 8002354.8/47

Right: 20.333+/-0.003 χ^2/NDF: 7459515.6/58

In: 20.493+/-0.003 χ^2/NDF:7020248.4/49

Out: 20.785+/-0.003 χ^2/NDF:8460096.4/56

All: 20.641+/-0.002 χ^2/NDF: 15486307.0/106



Right In: -0.000+/-0.000 χ^2/NDF: 25.5/26

Left Out: 0.000+/-0.000 χ^2/NDF:34.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 31.2/31

Left In: 0.000+/-0.000 χ^2/NDF:31.6/22

Left: 0.000+/-0.000 χ^2/NDF: 65.9/47

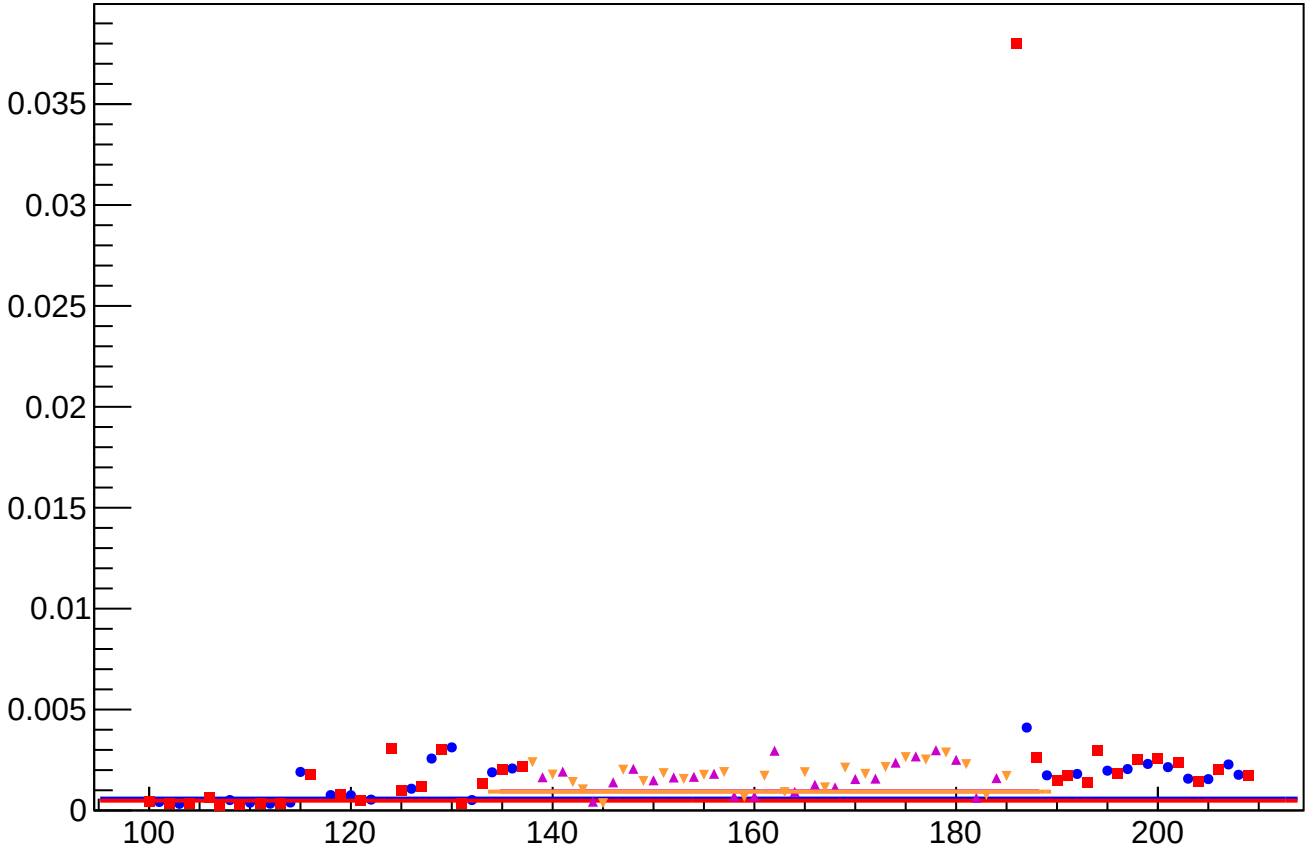
Right: -0.000+/-0.000 χ^2/NDF: 57.8/58

In: -0.000+/-0.000 χ^2/NDF:58.9/49

Out: 0.000+/-0.000 χ^2/NDF:66.2/56

All: 0.000+/-0.000 χ^2/NDF: 125.8/106

asym_sam_15_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.001+/-0.000 χ^2/NDF: 12610884.8/26

Left Out: 0.001+/-0.000 χ^2/NDF:11996378.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 16080718.8/31

Left In: 0.001+/-0.000 χ^2/NDF:9470540.4/22

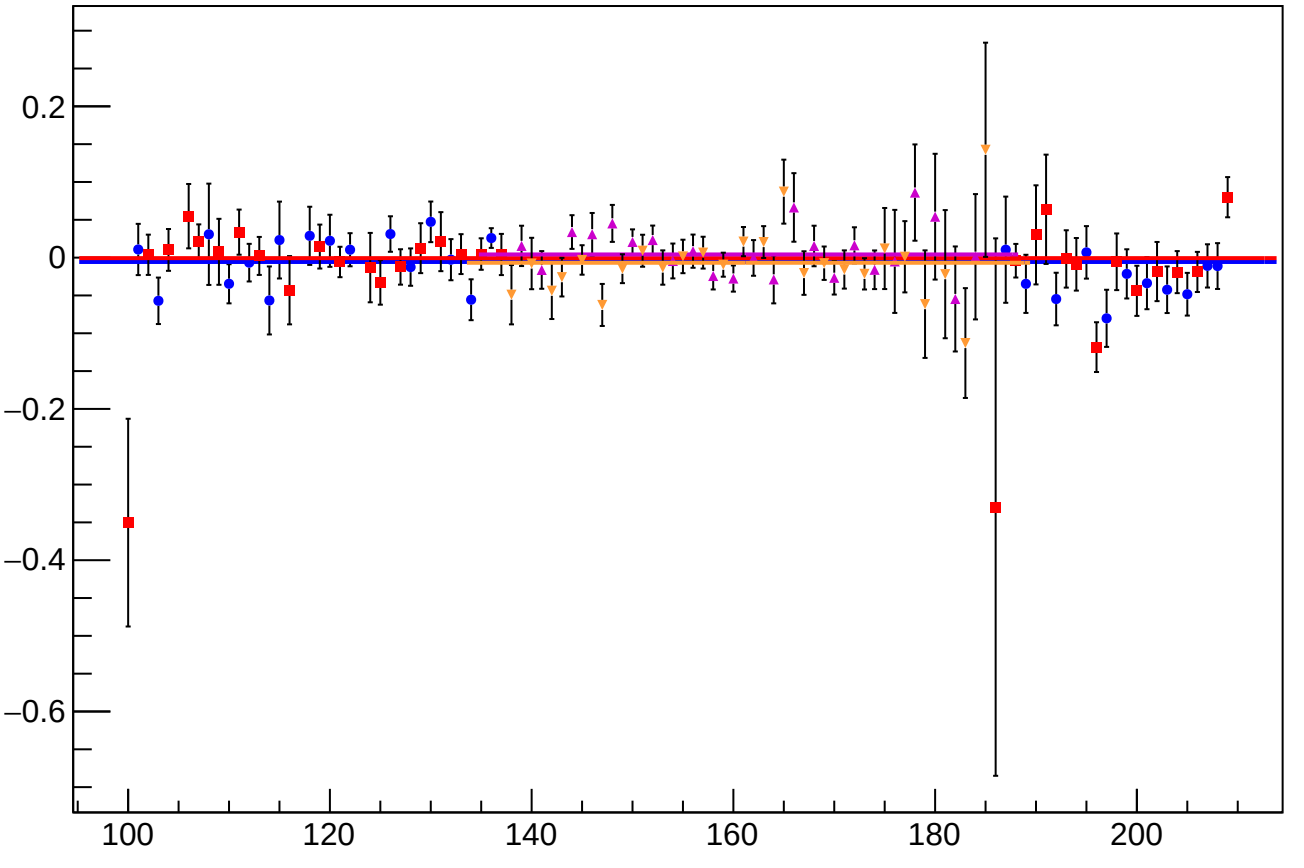
Left: 0.001+/-0.000 χ^2/NDF: 21470091.7/47

Right: 0.001+/-0.000 χ^2/NDF: 29002421.1/58

In: 0.001+/-0.000 χ^2/NDF:24473324.6/49

Out: 0.001+/-0.000 χ^2/NDF:32244308.0/56

All: 0.001+/-0.000 χ^2/NDF: 57192794.6/106



Right In: -0.006+/-0.006 χ^2/NDF: 35.3/26

Left Out: -0.007+/-0.005 χ^2/NDF:21.8/24

Right Out: -0.001+/-0.005 χ^2/NDF: 40.8/31

Left In: 0.004+/-0.005 χ^2/NDF:23.2/22

Left: -0.001+/-0.004 χ^2/NDF: 47.1/47

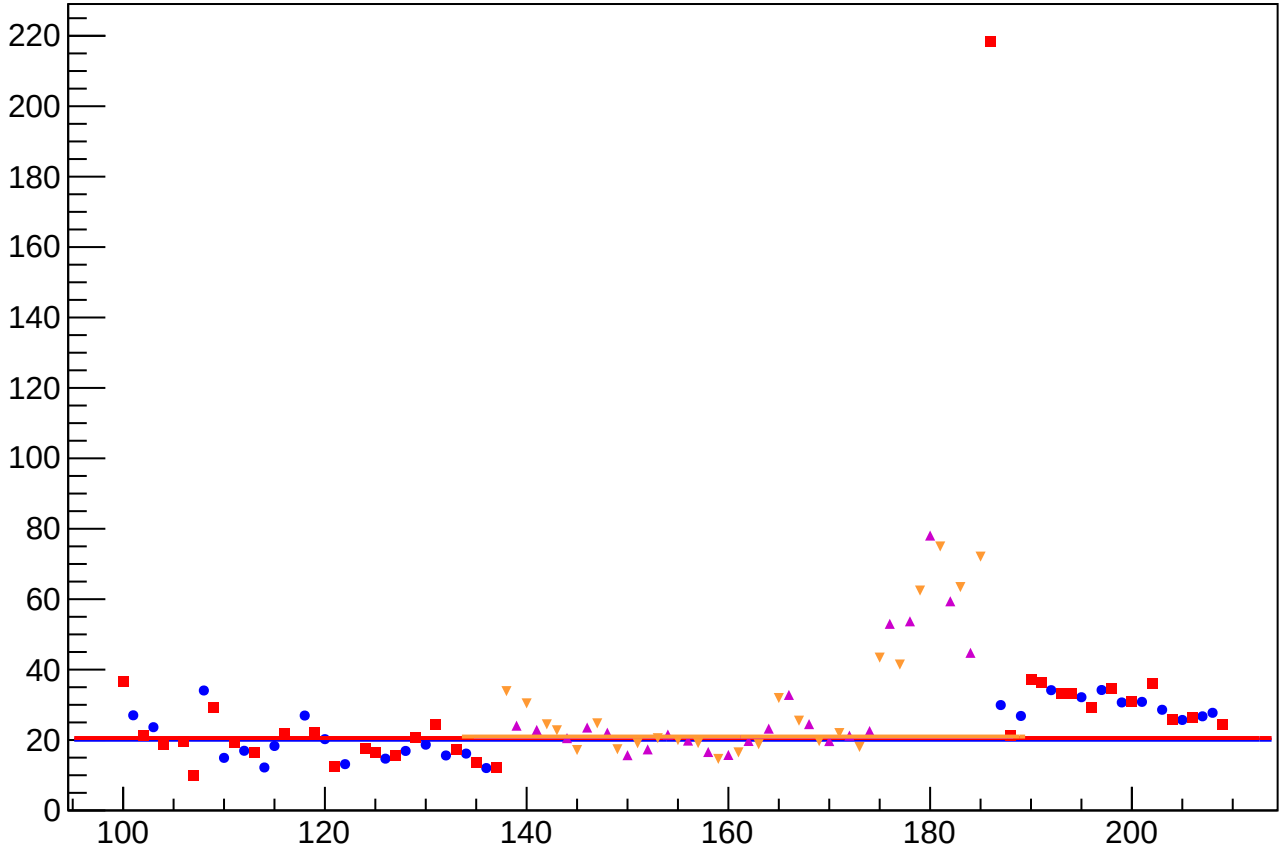
Right: -0.003+/-0.004 χ^2/NDF: 76.5/58

In: -0.001+/-0.004 χ^2/NDF:60.1/49

Out: -0.004+/-0.004 χ^2/NDF:63.2/56

All: -0.002+/-0.003 χ^2/NDF: 123.7/106

asym_sam_15_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 20.084+/-0.004 χ^2/NDF: 3464384.0/26

Left Out: 20.981+/-0.004 χ^2/NDF:4466984.6/24

Right Out: 20.572+/-0.004 χ^2/NDF: 3987192.9/31

Left In: 20.868+/-0.004 χ^2/NDF:3534923.5/22

Left: 20.925+/-0.003 χ^2/NDF: 8002374.3/47

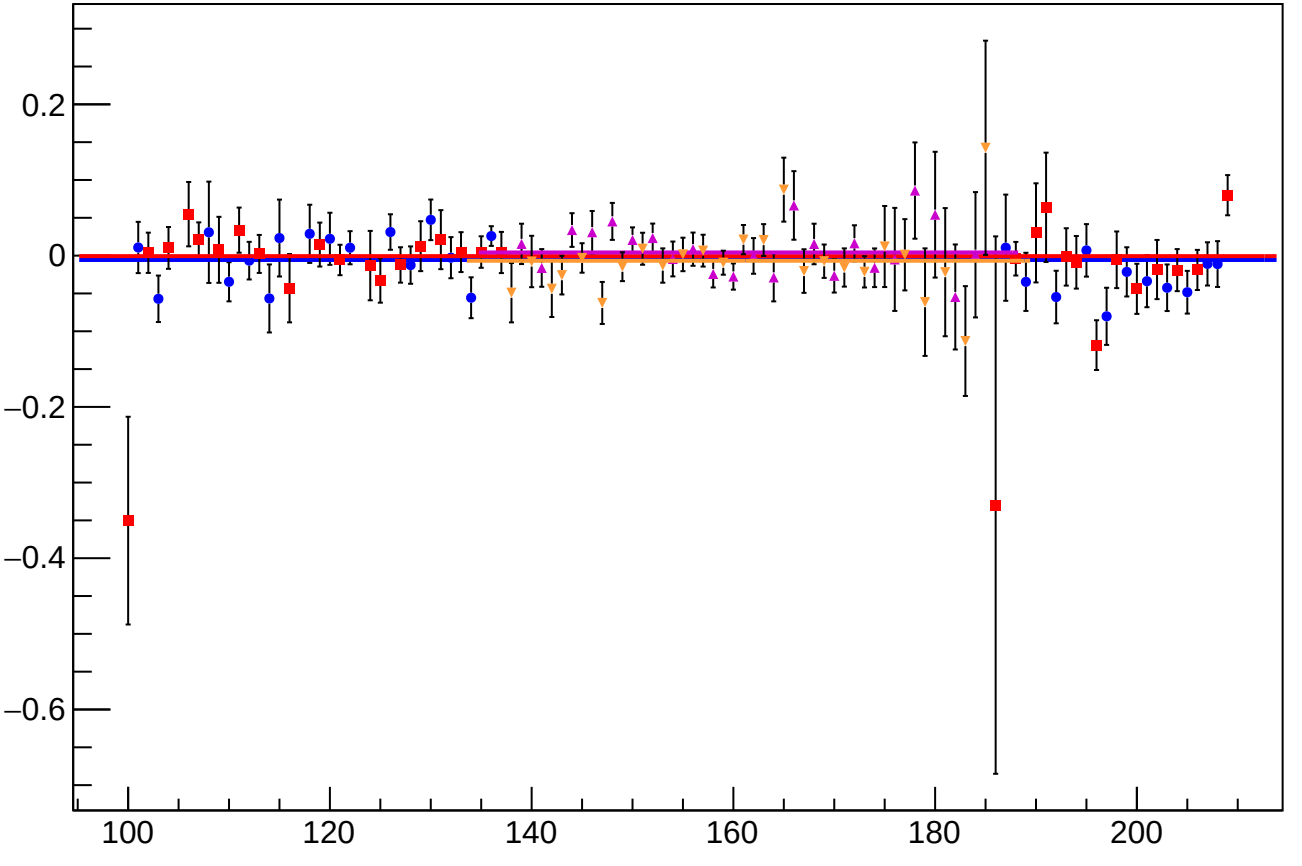
Right: 20.333+/-0.003 χ^2/NDF: 7459538.3/58

In: 20.493+/-0.003 χ^2/NDF:7020311.1/49

Out: 20.785+/-0.003 χ^2/NDF:8460103.7/56

All: 20.641+/-0.002 χ^2/NDF: 15486377.5/106

asym_sam_15_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.006+/-0.006 χ^2/NDF: 35.3/26

Left Out: -0.007+/-0.005 χ^2/NDF:21.8/24

Right Out: -0.001+/-0.005 χ^2/NDF: 40.8/31

Left In: 0.004+/-0.005 χ^2/NDF:23.2/22

Left: -0.001+/-0.004 χ^2/NDF: 47.1/47

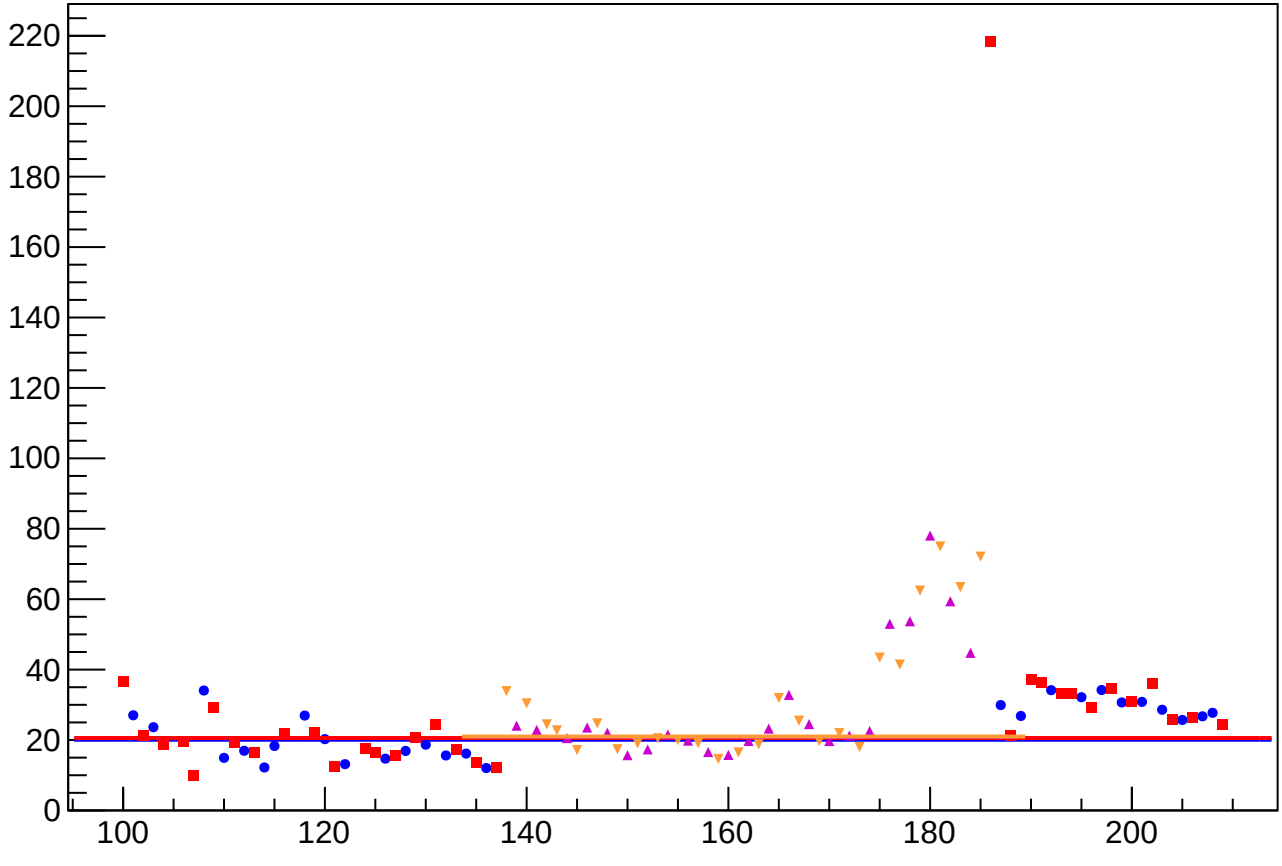
Right: -0.003+/-0.004 χ^2/NDF: 76.5/58

In: -0.001+/-0.004 χ^2/NDF:60.1/49

Out: -0.004+/-0.004 χ^2/NDF:63.2/56

All: -0.002+/-0.003 χ^2/NDF: 123.7/106

asym_sam_15_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 20.084+/-0.004 χ^2/NDF: 3464384.0/26

Left Out: 20.981+/-0.004 χ^2/NDF:4466984.6/24

Right Out: 20.572+/-0.004 χ^2/NDF: 3987192.9/31

Left In: 20.868+/-0.004 χ^2/NDF:3534923.5/22

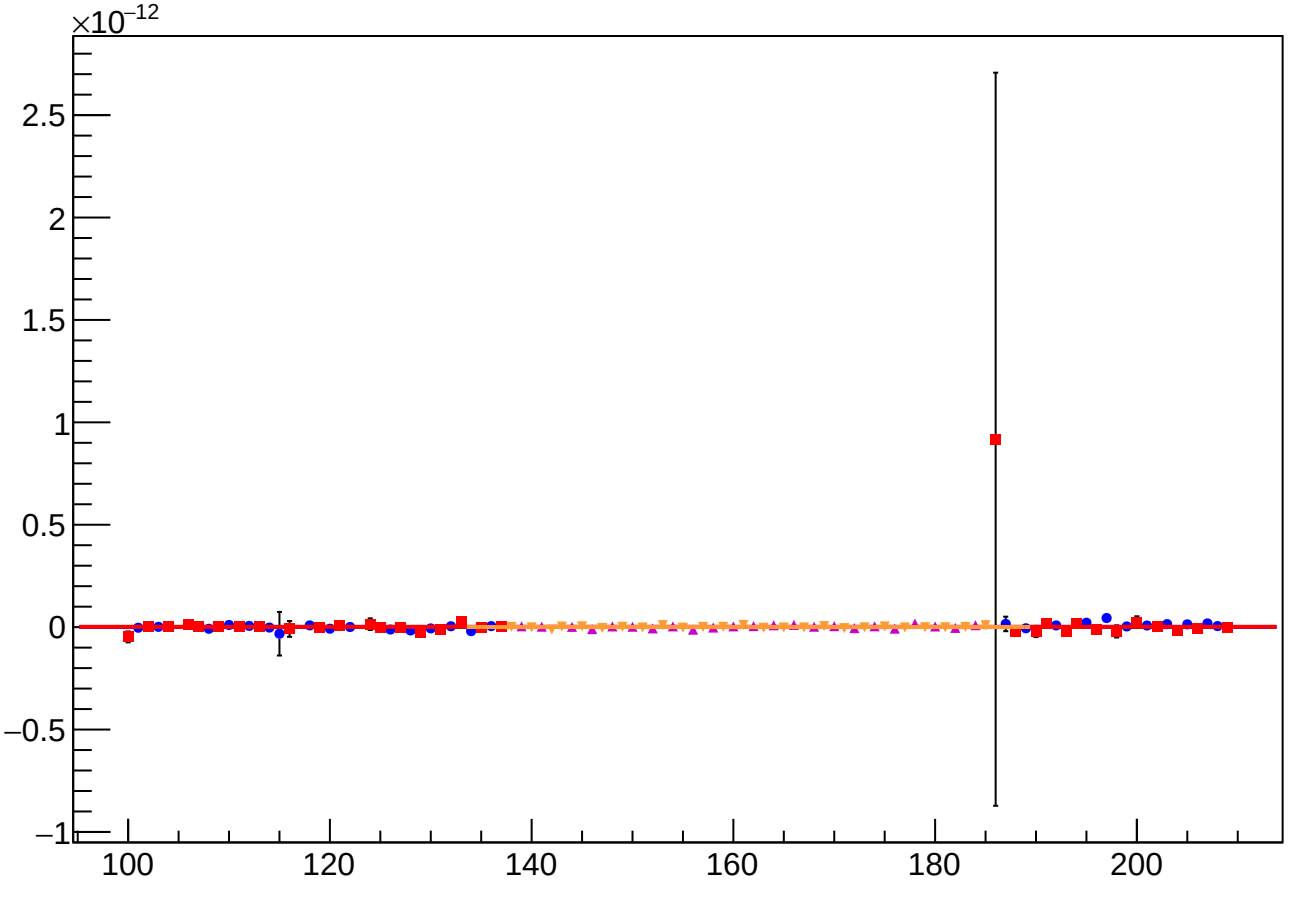
Left: 20.925+/-0.003 χ^2/NDF: 8002374.3/47

Right: 20.333+/-0.003 χ^2/NDF: 7459538.3/58

In: 20.493+/-0.003 χ^2/NDF:7020311.1/49

Out: 20.785+/-0.003 χ^2/NDF:8460103.7/56

All: 20.641+/-0.002 χ^2/NDF: 15486377.5/106



Right In: 0.000+/-0.000 χ^2/NDF: 25.2/26

Left Out: 0.000+/-0.000 χ^2/NDF:14.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 26.1/31

Left In: 0.000+/-0.000 χ^2/NDF:26.5/22

Left: 0.000+/-0.000 χ^2/NDF: 41.0/47

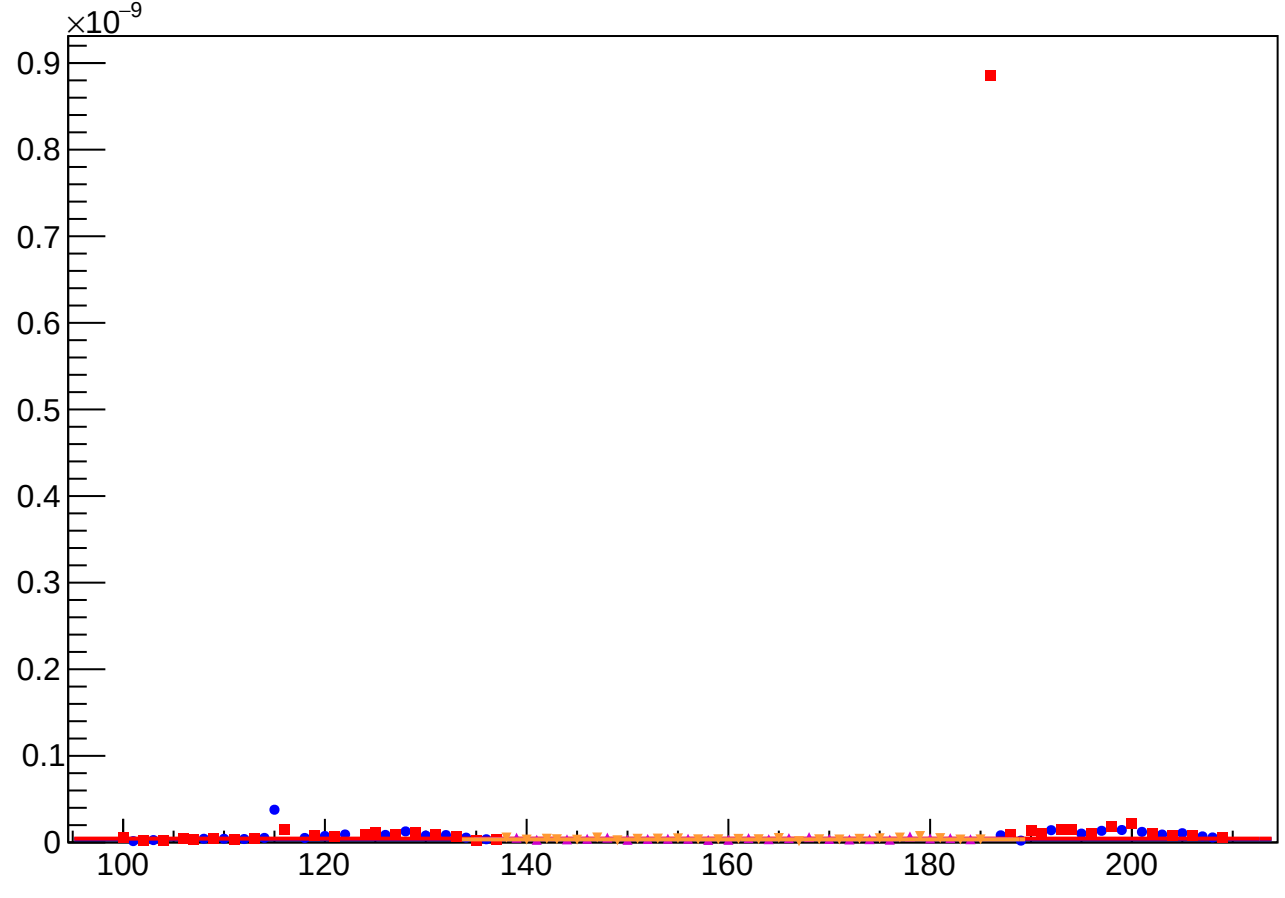
Right: 0.000+/-0.000 χ^2/NDF: 51.3/58

In: 0.000+/-0.000 χ^2/NDF:51.7/49

Out: 0.000+/-0.000 χ^2/NDF:40.9/56

All: 0.000+/-0.000 χ^2/NDF: 92.6/106

asym_sam_15_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 7054744.6/26

Left Out: 0.000+/-0.000 χ^2/NDF:2527443.7/24

Right Out: 0.000+/-0.000 χ^2/NDF: 7546392.1/31

Left In: 0.000+/-0.000 χ^2/NDF:1198286.8/22

Left: 0.000+/-0.000 χ^2/NDF: 3840820.1/47

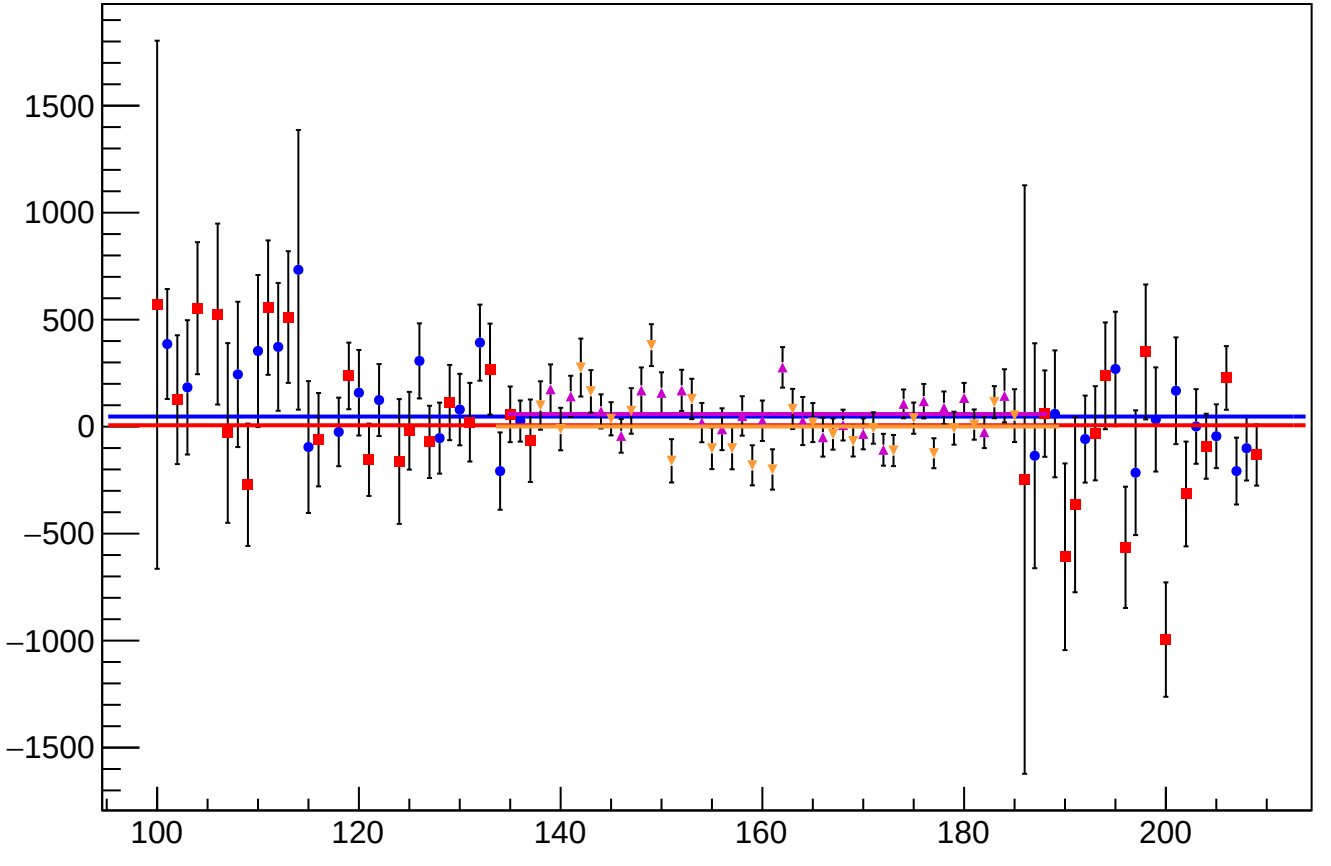
Right: 0.000+/-0.000 χ^2/NDF: 14813352.8/58

In: 0.000+/-0.000 χ^2/NDF:8278322.3/49

Out: 0.000+/-0.000 χ^2/NDF:10485654.0/56

All: 0.000+/-0.000 χ^2/NDF: 18765506.2/106

reg_asym_sam_26_avg_mean vs Slug, Sign Corrected



Right In: 47.151+/-37.756 χ^2/NDF: 20.9/26

Left Out: 0.598+/-17.319 χ^2/NDF:48.6/24

Right Out: 6.410+/-38.502 χ^2/NDF: 46.1/31

Left In: 58.907+/-17.879 χ^2/NDF:25.8/22

Left: 28.825+/-12.440 χ^2/NDF: 79.9/47

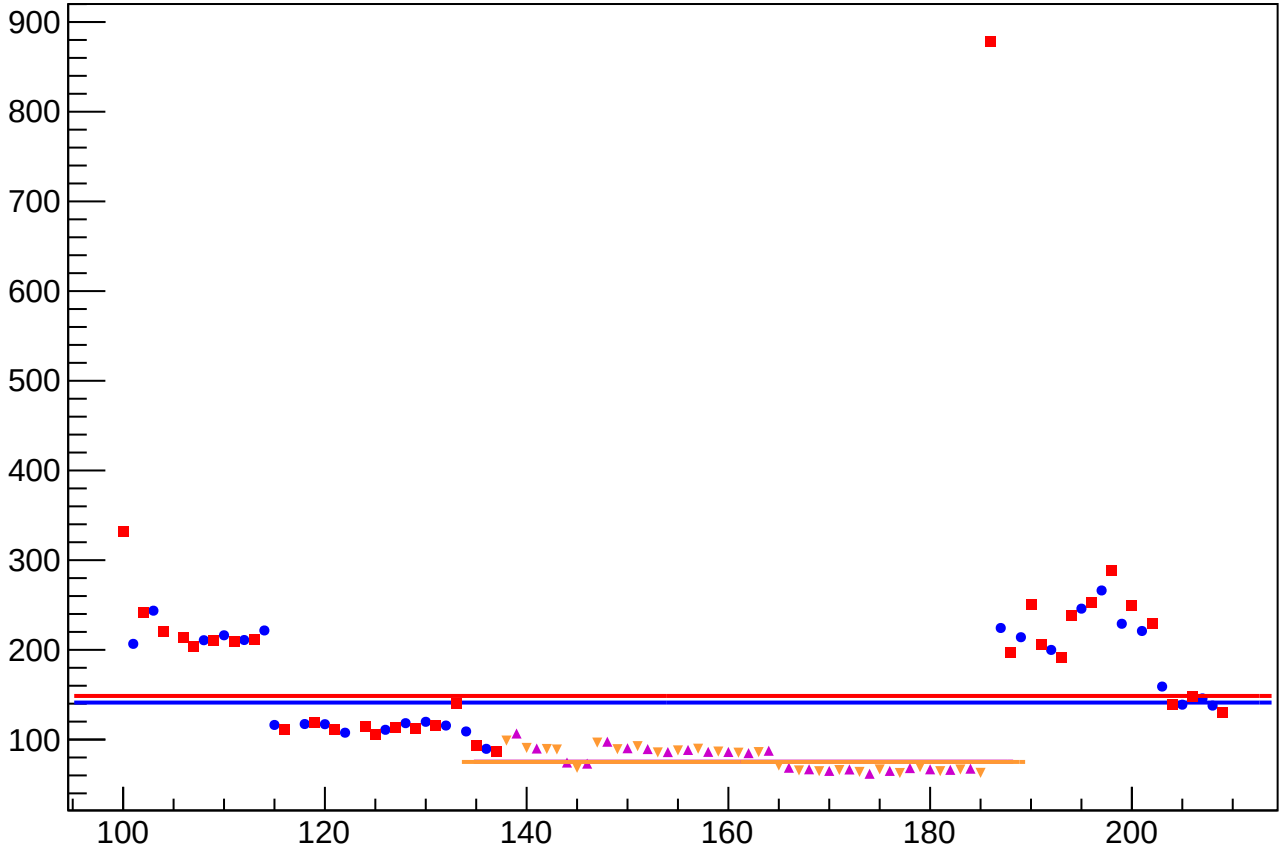
Right: 27.179+/-26.958 χ^2/NDF: 67.5/58

In: 56.753+/-16.159 χ^2/NDF:46.8/49

Out: 1.576+/-15.795 χ^2/NDF:94.7/56

All: 28.536+/-11.295 χ^2/NDF: 147.4/106

reg_asym_sam_26_avg_rms vs Slug, Sign Corrected



Right In: 141.231+/-0.027 χ^2/NDF: 3137293.2/26

Left Out: 75.041+/-0.012 χ^2/NDF:928107.8/24

Right Out: 148.611+/-0.027 χ^2/NDF: 4224281.6/31

Left In: 75.352+/-0.013 χ^2/NDF:837634.2/22

Left: 75.192+/-0.009 χ^2/NDF: 1766053.8/47

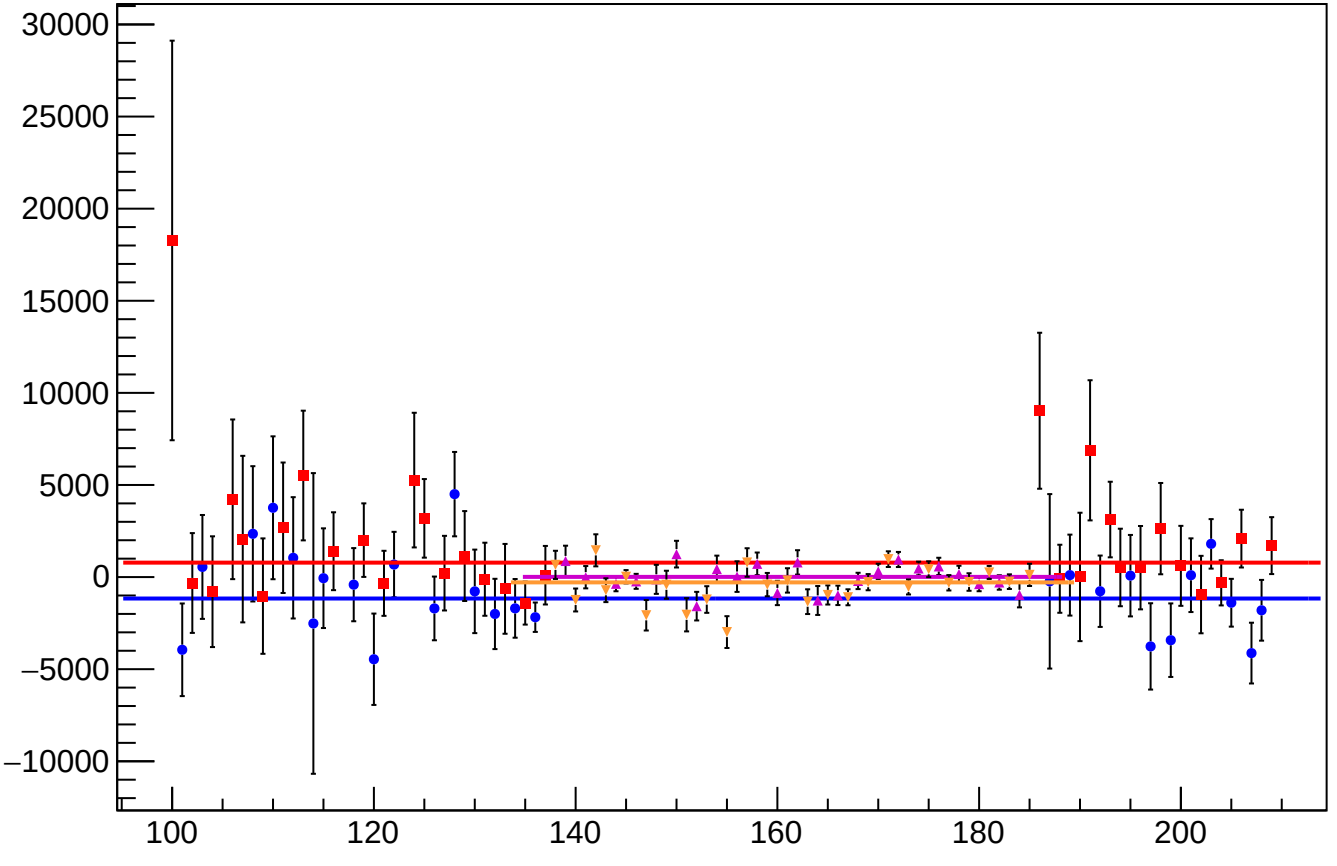
Right: 144.849+/-0.019 χ^2/NDF: 7399024.3/58

In: 87.419+/-0.011 χ^2/NDF:8948734.4/49

Out: 87.422+/-0.011 χ^2/NDF:11225606.1/56

All: 87.421+/-0.008 χ^2/NDF: 20174340.6/106

asym_sam_26_avg_reg_correction_mean vs Slug, Sign Corrected



Right In: -1164.136+/-361.567 χ^2/NDF: 27.9/26

Left Out: -288.079+/-105.231 χ^2/NDF:53.3/24

Right Out: 784.122+/-380.010 χ^2/NDF: 25.2/31

Left In: 10.643+/-107.669 χ^2/NDF:33.4/22

Left: -142.139+/-75.257 χ^2/NDF: 90.6/47

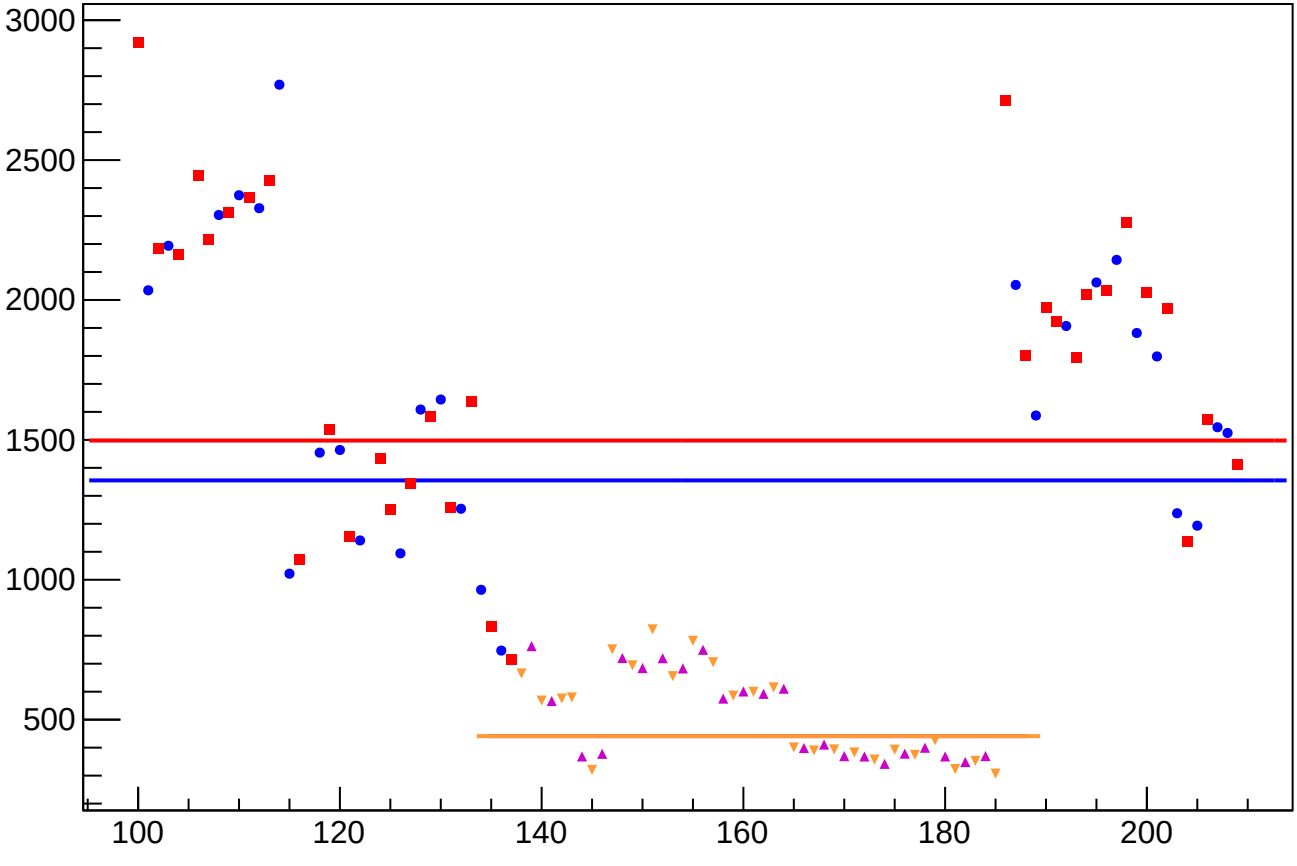
Right: -238.428+/-261.944 χ^2/NDF: 66.9/58

In: -85.046+/-103.191 χ^2/NDF:71.0/49

Out: -211.715+/-101.415 χ^2/NDF:85.9/56

All: -149.481+/-72.331 χ^2/NDF: 157.6/106

asym_sam_26_avg_reg_correction_rms vs Slug, Sign Corrected



Right In: 1355.139+/-0.256 χ^2/NDF: 3278705.6/26

Left Out: 441.128+/-0.074 χ^2/NDF:3234629.2/24

Right Out: 1497.579+/-0.269 χ^2/NDF: 3327381.5/31

Left In: 441.196+/-0.076 χ^2/NDF:2682075.8/22

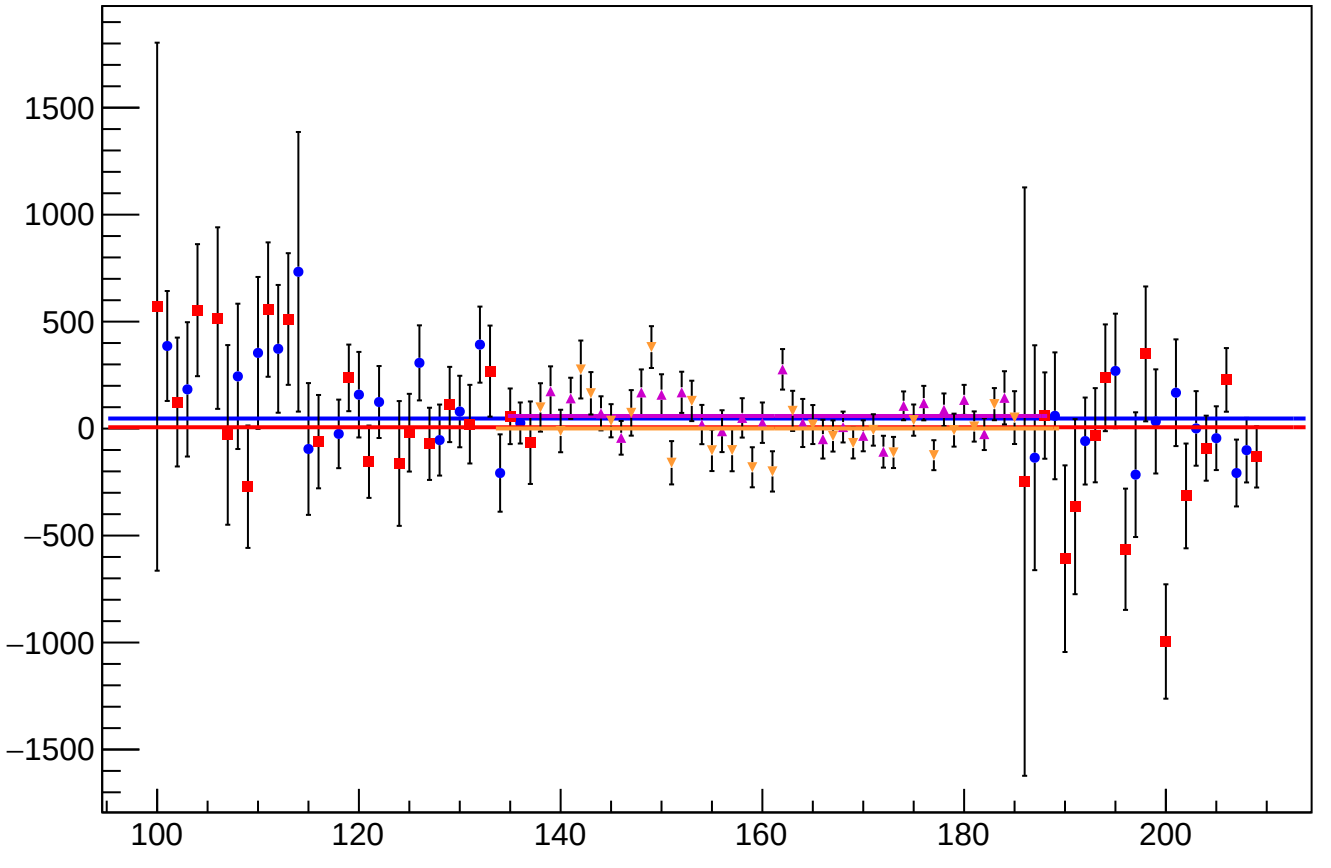
Left: 441.161+/-0.053 χ^2/NDF: 5916705.4/47

Right: 1422.819+/-0.185 χ^2/NDF: 6753570.1/58

In: 515.639+/-0.073 χ^2/NDF:17698690.5/49

Out: 516.371+/-0.072 χ^2/NDF:20918582.7/56

All: 516.011+/-0.051 χ^2/NDF: 38617324.3/10



Right In: 47.135+/-37.756 χ^2/NDF: 20.9/26

Left Out: 0.598+/-17.319 χ^2/NDF:48.6/24

Right Out: 6.269+/-38.504 χ^2/NDF: 46.0/31

Left In: 58.904+/-17.879 χ^2/NDF:25.8/22

Left: 28.824+/-12.440 χ^2/NDF: 79.9/47

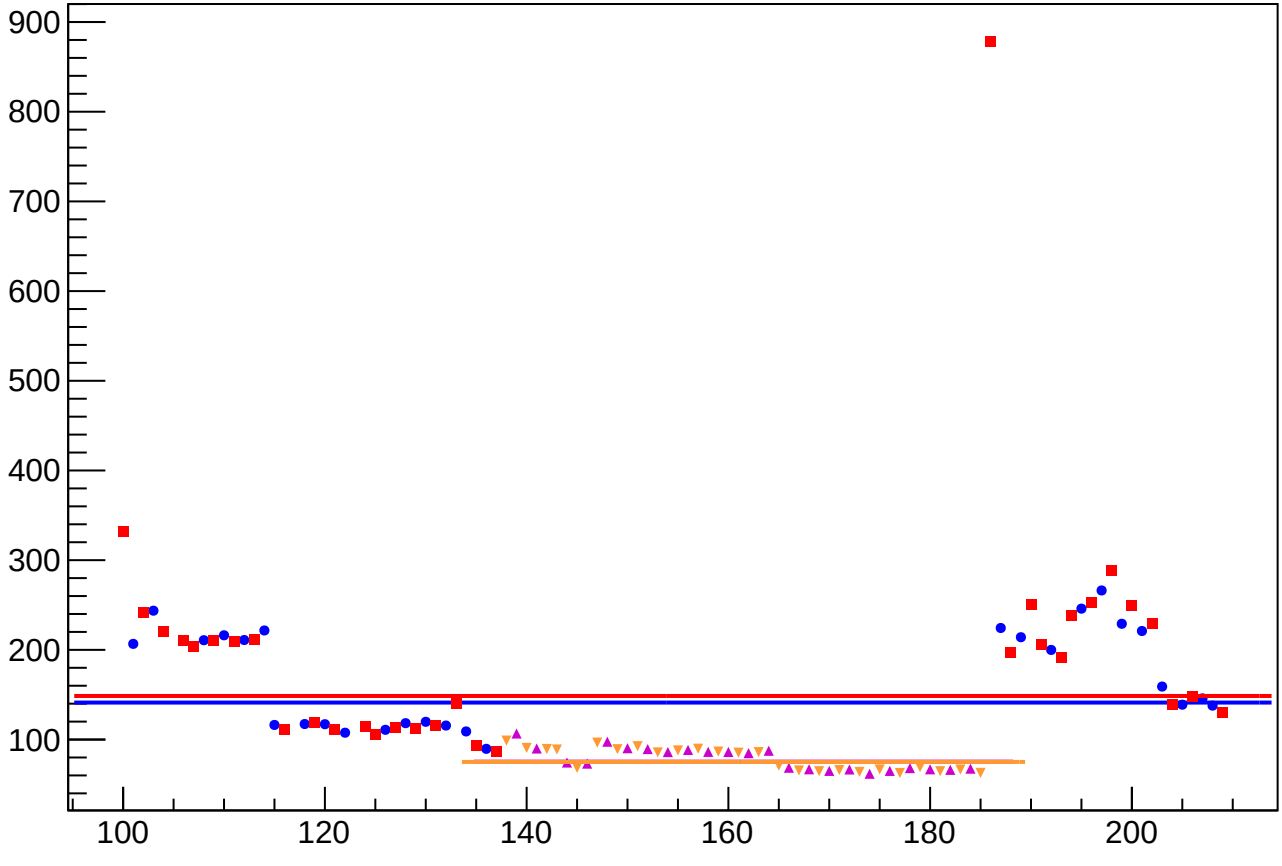
Right: 27.103+/-26.958 χ^2/NDF: 67.4/58

In: 56.748+/-16.159 χ^2/NDF:46.8/49

Out: 1.552+/-15.795 χ^2/NDF:94.6/56

All: 28.522+/-11.295 χ^2/NDF: 147.3/106

cor_asym_sam_26_avg_rms vs Slug, Sign Corrected



Right In: 141.231+/-0.027 χ^2/NDF: 3137295.7/26

Left Out: 75.041+/-0.012 χ^2/NDF:928107.8/24

Right Out: 148.582+/-0.027 χ^2/NDF: 4219901.7/31

Left In: 75.352+/-0.013 χ^2/NDF:837634.2/22

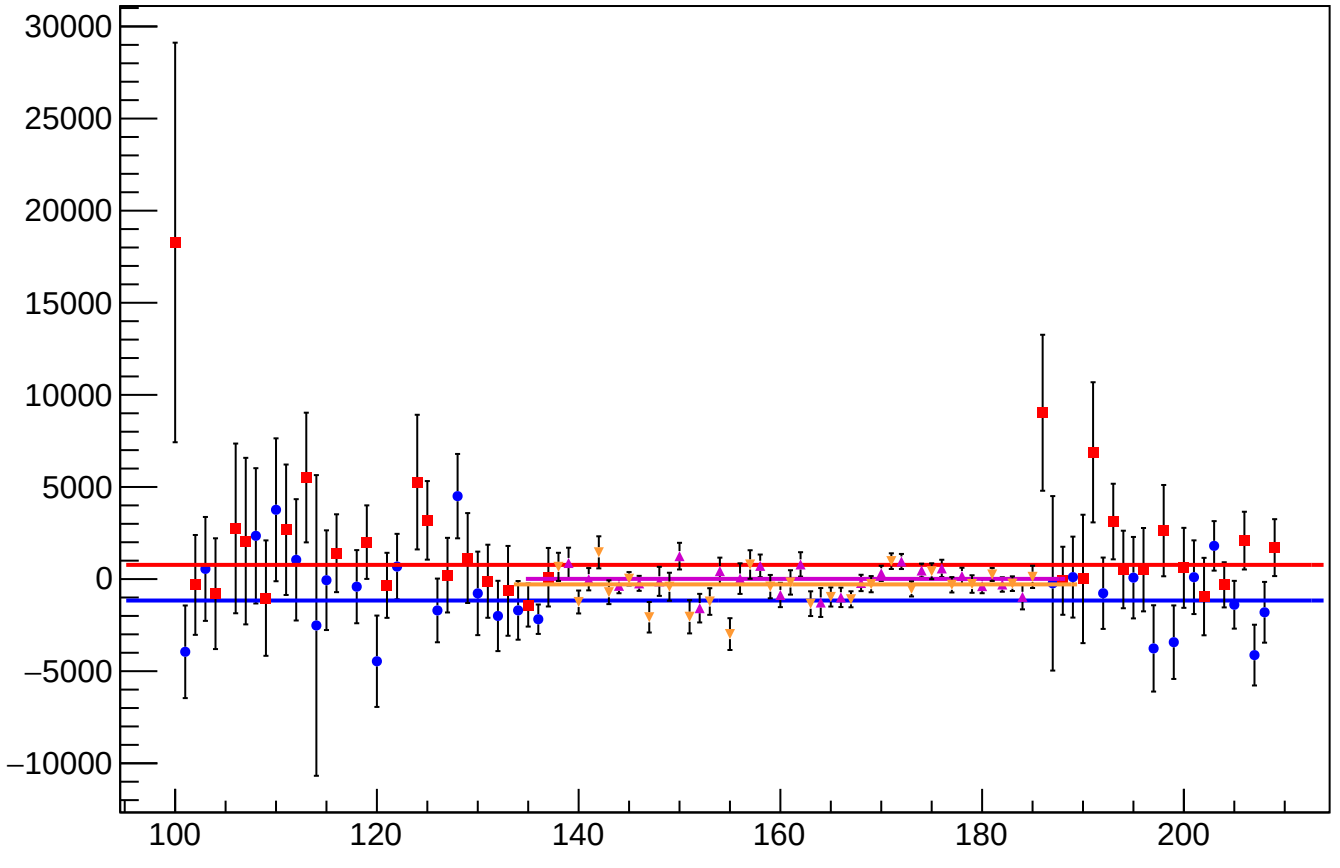
Left: 75.192+/-0.009 χ^2/NDF: 1766053.7/47

Right: 144.835+/-0.019 χ^2/NDF: 7394353.5/58

In: 87.419+/-0.011 χ^2/NDF:8948736.4/49

Out: 87.417+/-0.011 χ^2/NDF:11216084.8/56

All: 87.418+/-0.008 χ^2/NDF: 20164821.2/106



Right In: -1164.129+/-361.568 χ^2/NDF: 27.9/26

Left Out: -288.079+/-105.231 χ^2/NDF:53.3/24

Right Out: 771.200+/-380.183 χ^2/NDF: 24.8/31

Left In: 10.644+/-107.670 χ^2/NDF:33.4/22

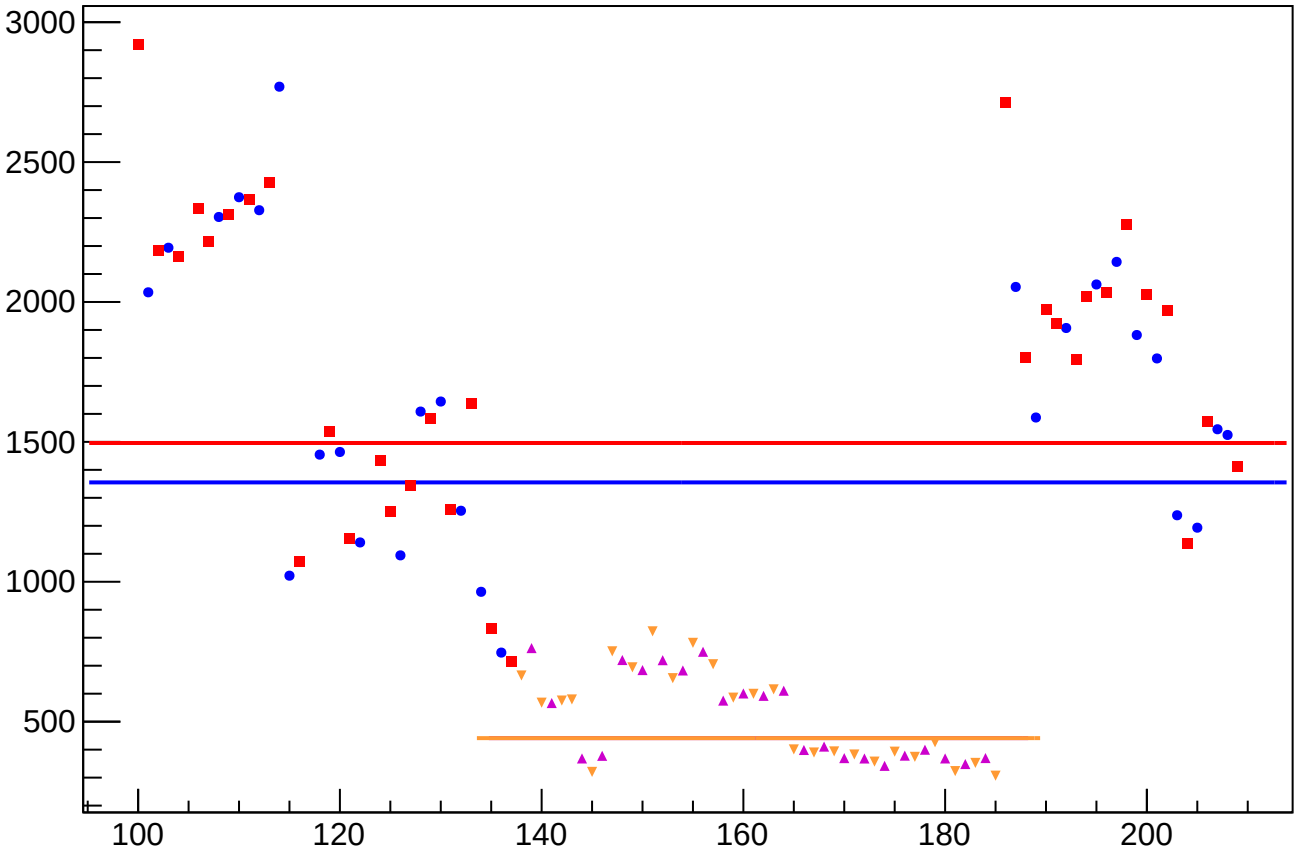
Left: -142.138+/-75.257 χ^2/NDF: 90.6/47

Right: -245.003+/-262.001 χ^2/NDF: 66.2/58

In: -85.045+/-103.191 χ^2/NDF:71.0/49

Out: -212.699+/-101.418 χ^2/NDF:85.3/56

All: -149.978+/-72.332 χ^2/NDF: 157.0/106



Right In: 1355.139+/-0.256 χ^2/NDF: 3278735.8/26

Left Out: 441.128+/-0.074 χ^2/NDF:3234622.5/24

Right Out: 1496.009+/-0.269 χ^2/NDF: 3298342.6/31

Left In: 441.196+/-0.076 χ^2/NDF:2682073.9/22

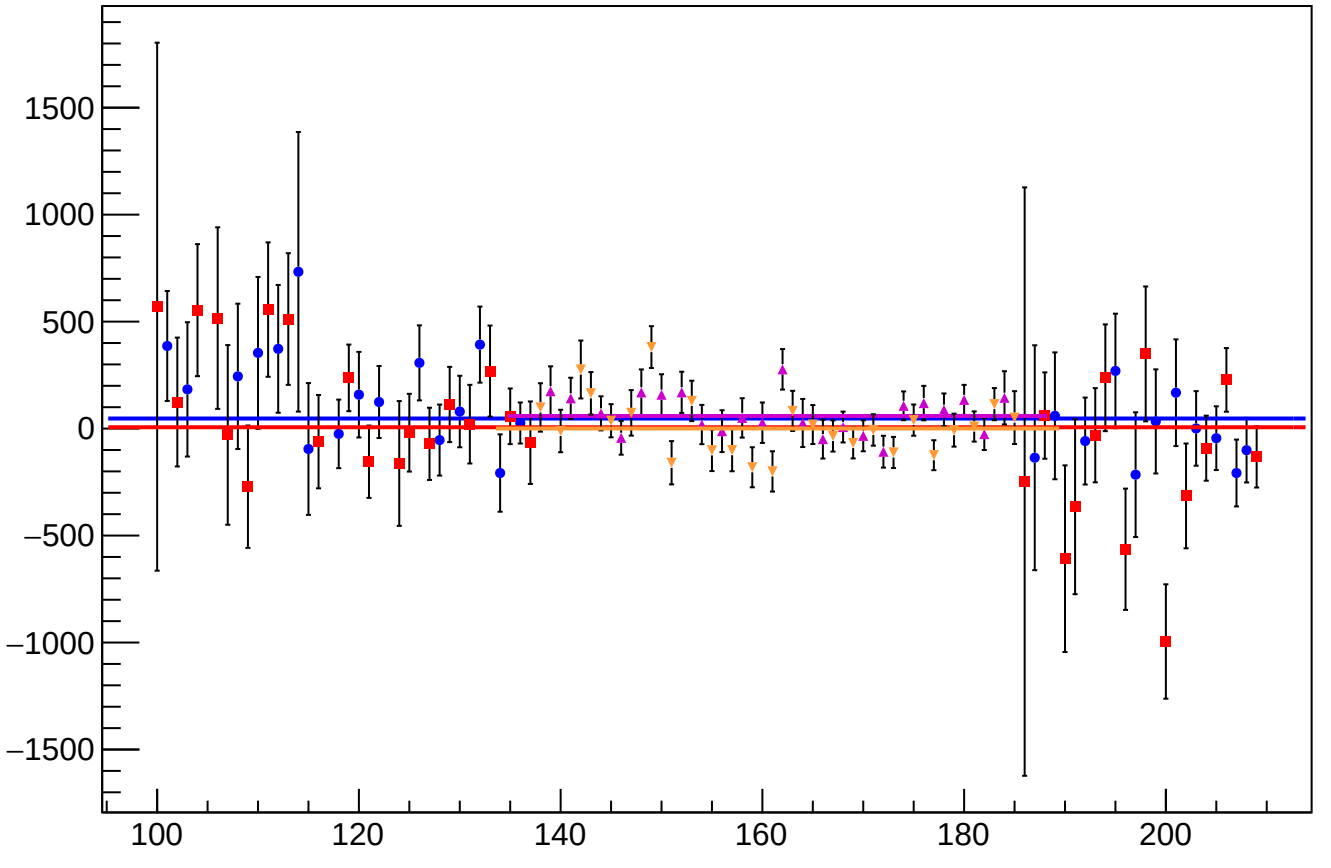
Left: 441.162+/-0.053 χ^2/NDF: 5916696.8/47

Right: 1422.041+/-0.185 χ^2/NDF: 6721258.9/58

In: 515.640+/-0.073 χ^2/NDF:17698699.6/49

Out: 516.195+/-0.072 χ^2/NDF:20834807.2/56

All: 515.922+/-0.051 χ^2/NDF: 38533536.3/10



Right In: 47.135+/-37.756 χ^2/NDF: 20.9/26

Left Out: 0.598+/-17.319 χ^2/NDF:48.6/24

Right Out: 6.269+/-38.504 χ^2/NDF: 46.0/31

Left In: 58.904+/-17.879 χ^2/NDF:25.8/22

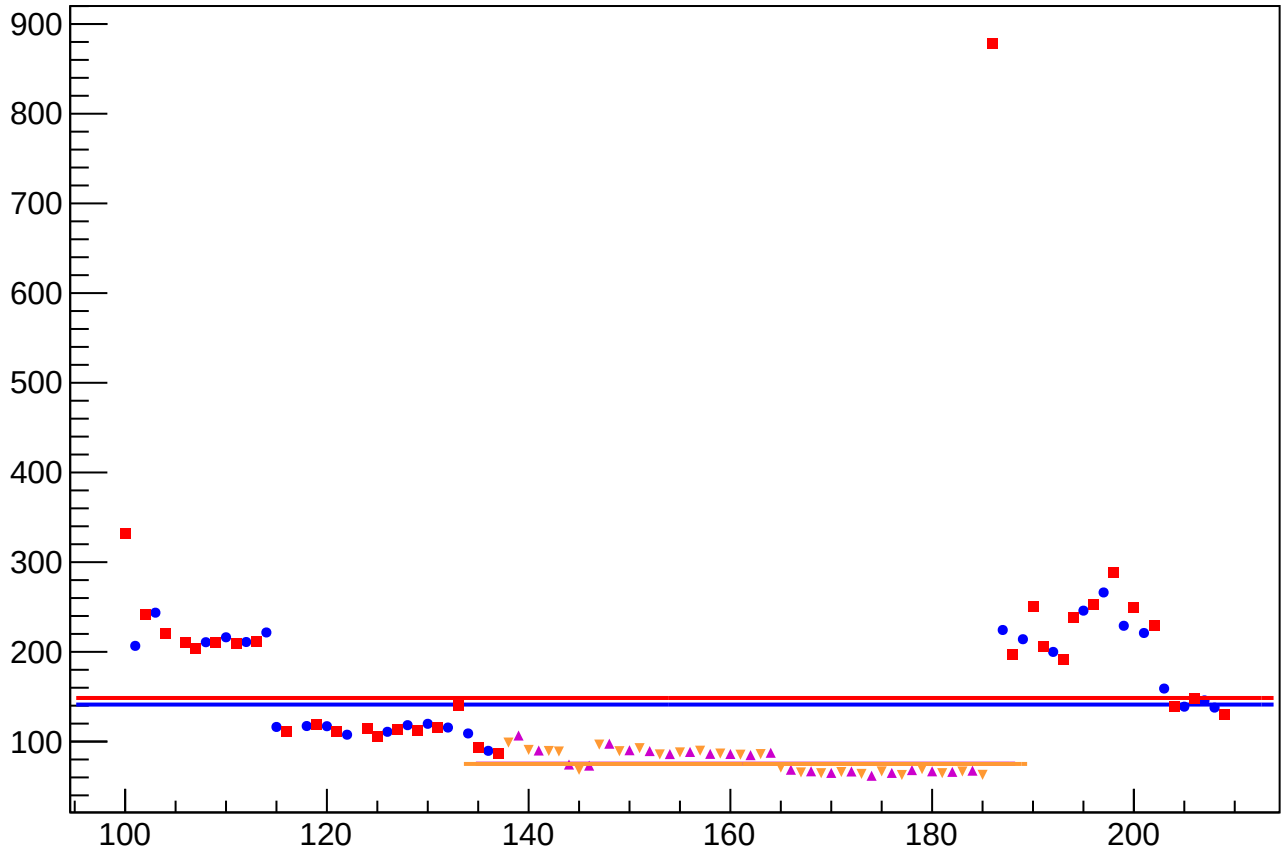
Left: 28.824+/-12.440 χ^2/NDF: 79.9/47

Right: 27.103+/-26.958 χ^2/NDF: 67.4/58

In: 56.748+/-16.159 χ^2/NDF:46.8/49

Out: 1.552+/-15.795 χ^2/NDF:94.6/56

All: 28.522+/-11.295 χ^2/NDF: 147.3/106



Right In: 141.231+/-0.027 χ^2/NDF: 3137295.7/26

Left Out: 75.041+/-0.012 χ^2/NDF:928107.8/24

Right Out: 148.582+/-0.027 χ^2/NDF: 4219901.7/31

Left In: 75.352+/-0.013 χ^2/NDF:837634.2/22

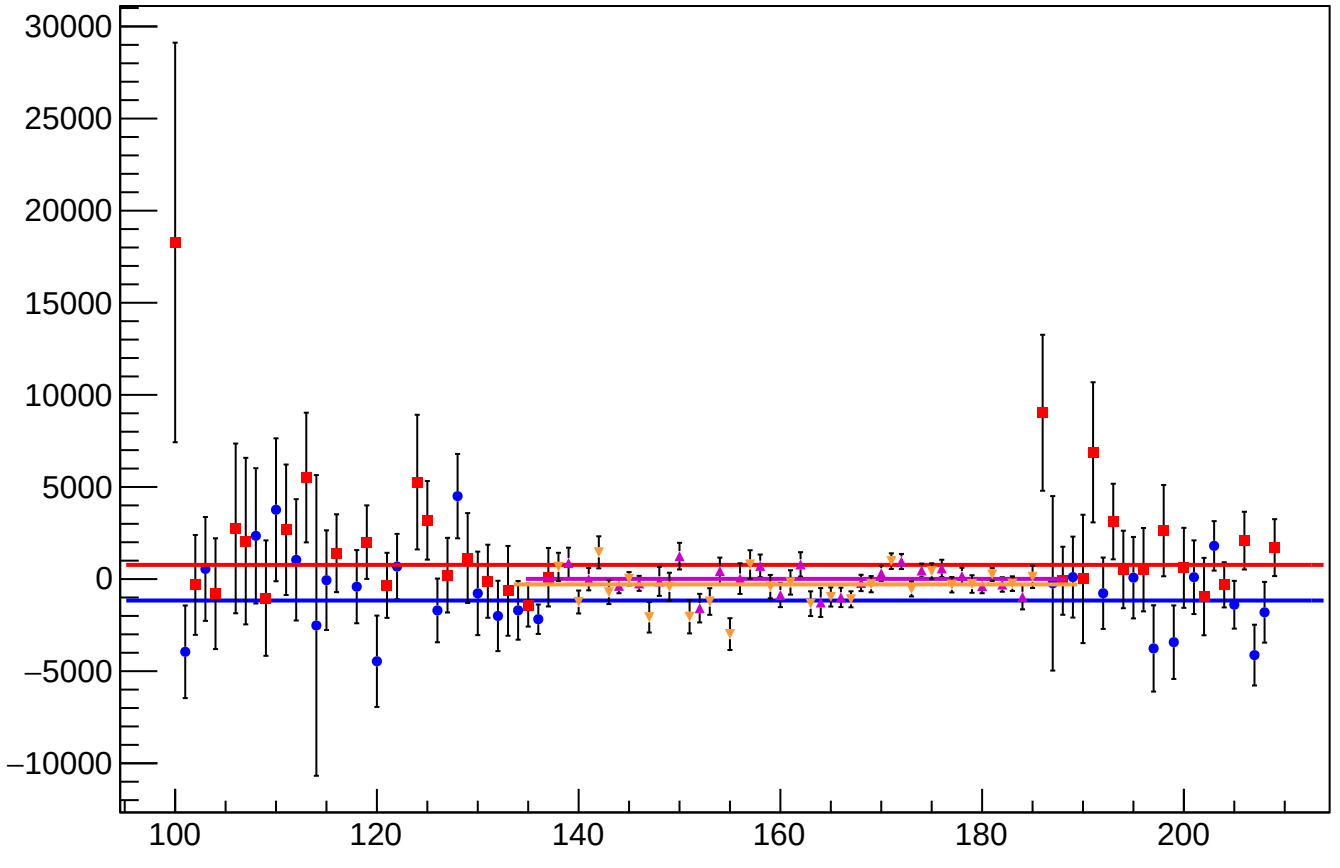
Left: 75.192+/-0.009 χ^2/NDF: 1766053.7/47

Right: 144.835+/-0.019 χ^2/NDF: 7394353.5/58

In: 87.419+/-0.011 χ^2/NDF:8948736.4/49

Out: 87.417+/-0.011 χ^2/NDF:11216084.8/56

All: 87.418+/-0.008 χ^2/NDF: 20164821.2/106



Right In: -1164.129+/-361.568 χ^2/NDF: 27.9/26

Left Out: -288.079+/-105.231 χ^2/NDF:53.3/24

Right Out: 771.200+/-380.183 χ^2/NDF: 24.8/31

Left In: 10.644+/-107.670 χ^2/NDF:33.4/22

Left: -142.138+/-75.257 χ^2/NDF: 90.6/47

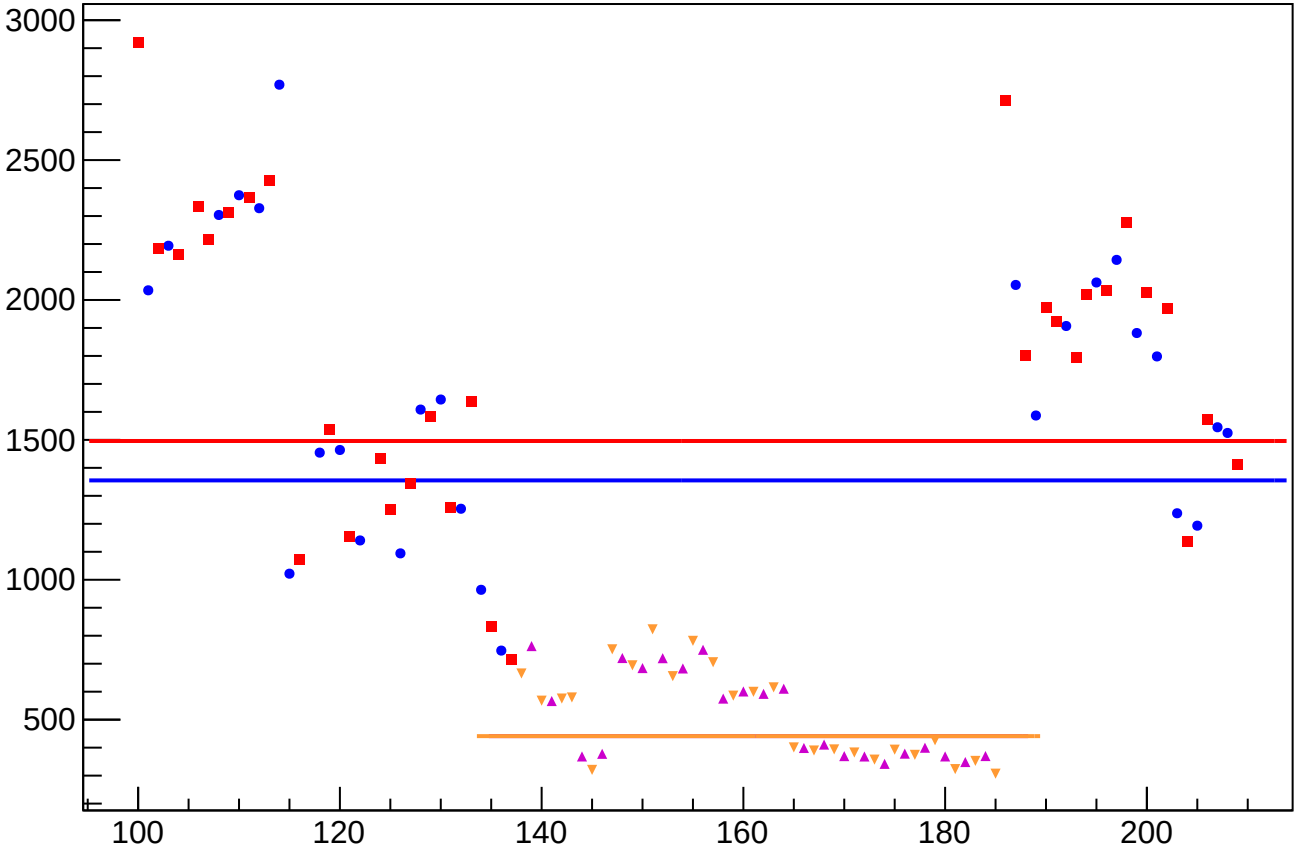
Right: -245.003+/-262.001 χ^2/NDF: 66.2/58

In: -85.045+/-103.191 χ^2/NDF:71.0/49

Out: -212.699+/-101.418 χ^2/NDF:85.3/56

All: -149.978+/-72.332 χ^2/NDF: 157.0/106

asym_sam_26_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 1355.139+/-0.256 χ^2/NDF: 3278735.8/26

Left Out: 441.128+/-0.074 χ^2/NDF:3234622.5/24

Right Out: 1496.009+/-0.269 χ^2/NDF: 3298342.6/31

Left In: 441.196+/-0.076 χ^2/NDF:2682073.9/22

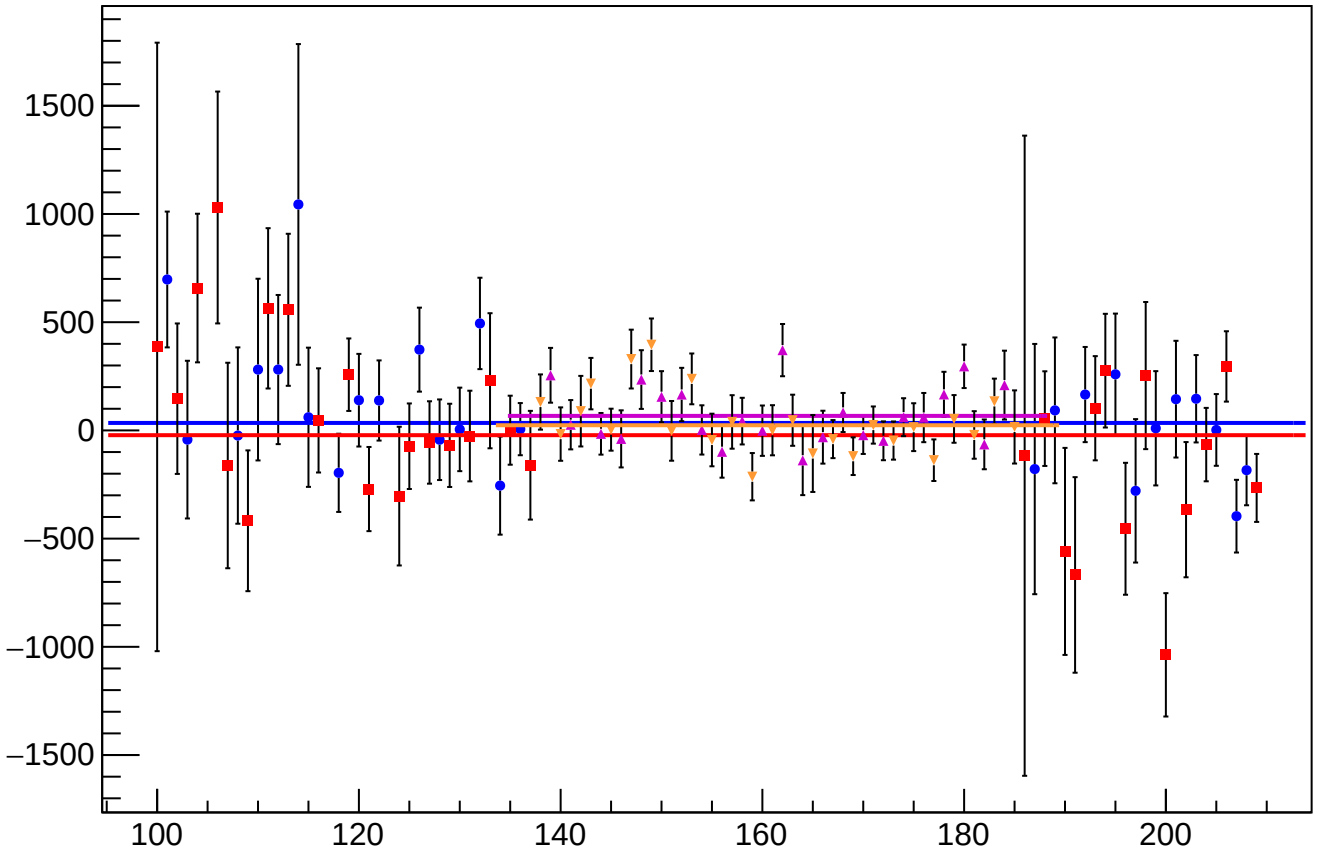
Left: 441.162+/-0.053 χ^2/NDF: 5916696.8/47

Right: 1422.041+/-0.185 χ^2/NDF: 6721258.9/58

In: 515.640+/-0.073 χ^2/NDF:17698699.6/49

Out: 516.195+/-0.072 χ^2/NDF:20834807.2/56

All: 515.922+/-0.051 χ^2/NDF: 38533536.3/10



Right In: 34.516+/-43.005 χ^2/NDF: 30.1/26

Left Out: 23.873+/-22.414 χ^2/NDF:35.2/24

Right Out: -22.073+/-43.639 χ^2/NDF: 49.1/31

Left In: 67.086+/-23.121 χ^2/NDF:28.6/22

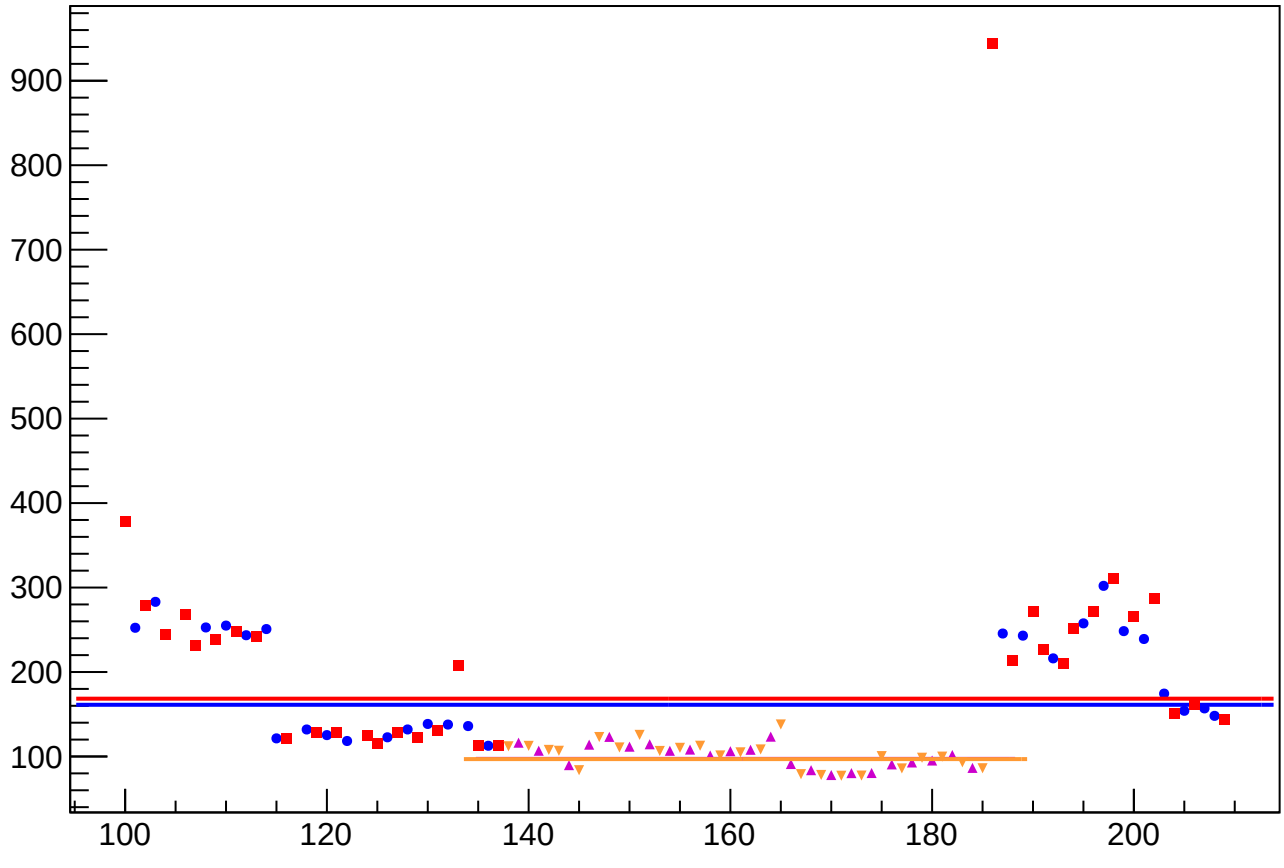
Left: 44.809+/-16.093 χ^2/NDF: 65.6/47

Right: 6.636+/-30.631 χ^2/NDF: 80.1/58

In: 59.782+/-20.364 χ^2/NDF:59.2/49

Out: 14.282+/-19.938 χ^2/NDF:85.2/56

All: 36.551+/-14.247 χ^2/NDF: 146.9/106



Right In: 161.212+/-0.030 χ^2/NDF: 2806509.8/26

Left Out: 96.907+/-0.016 χ^2/NDF:933980.7/24

Right Out: 168.438+/-0.031 χ^2/NDF: 4007877.9/31

Left In: 97.167+/-0.016 χ^2/NDF:674595.2/22

Left: 97.033+/-0.011 χ^2/NDF: 1608706.5/47

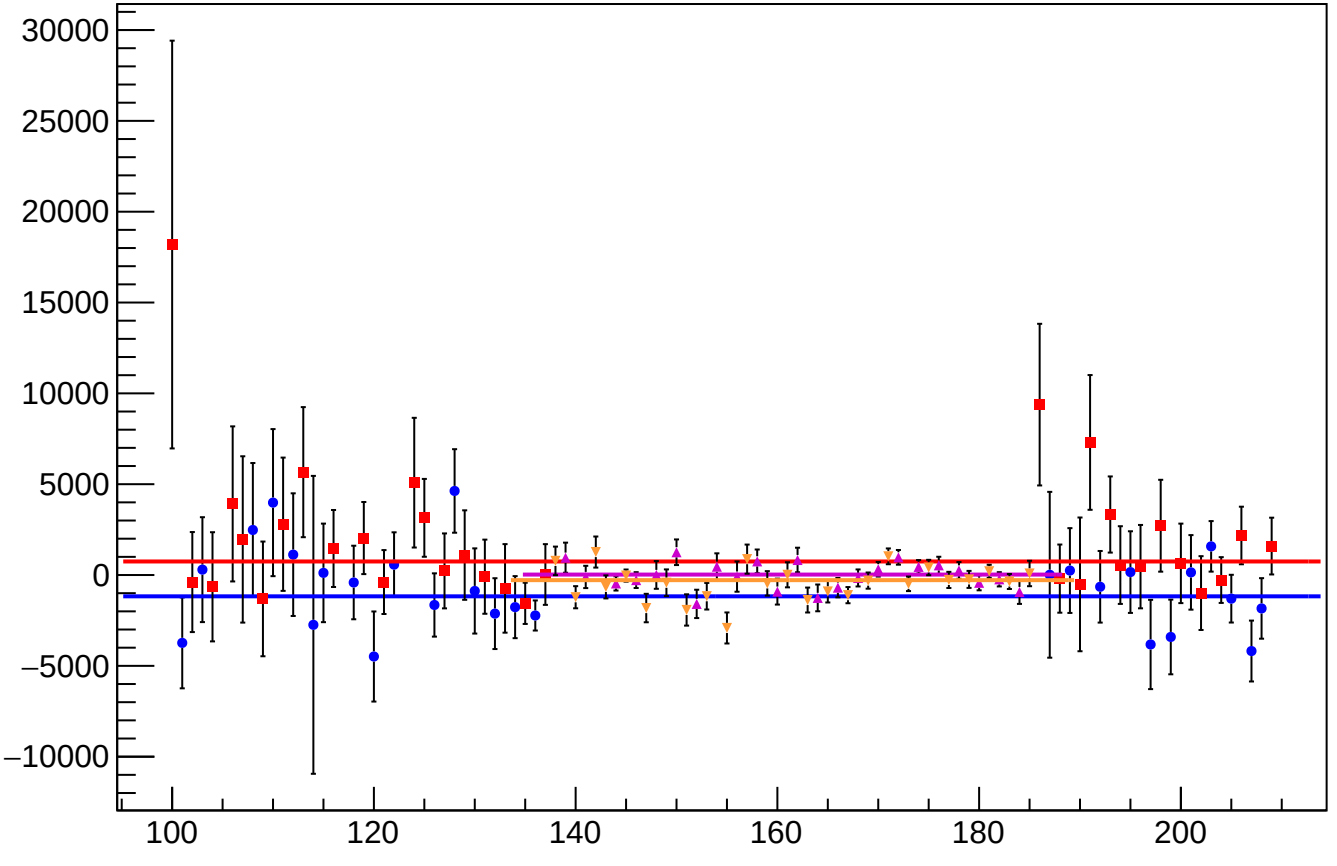
Right: 164.772+/-0.022 χ^2/NDF: 6842207.1/58

In: 111.529+/-0.014 χ^2/NDF:6922148.6/49

Out: 111.839+/-0.014 χ^2/NDF:9193774.2/56

All: 111.687+/-0.010 χ^2/NDF: 16116159.8/10

asym_sam_26_avg_dit_correction_mean vs Slug, Sign Corrected



Right In: -1173.033+/-370.602 χ^2/NDF: 26.9/26

Left Out: -282.422+/-106.394 χ^2/NDF:50.4/24

Right Out: 745.968+/-383.288 χ^2/NDF: 26.6/31

Left In: 24.625+/-108.884 χ^2/NDF:32.9/22

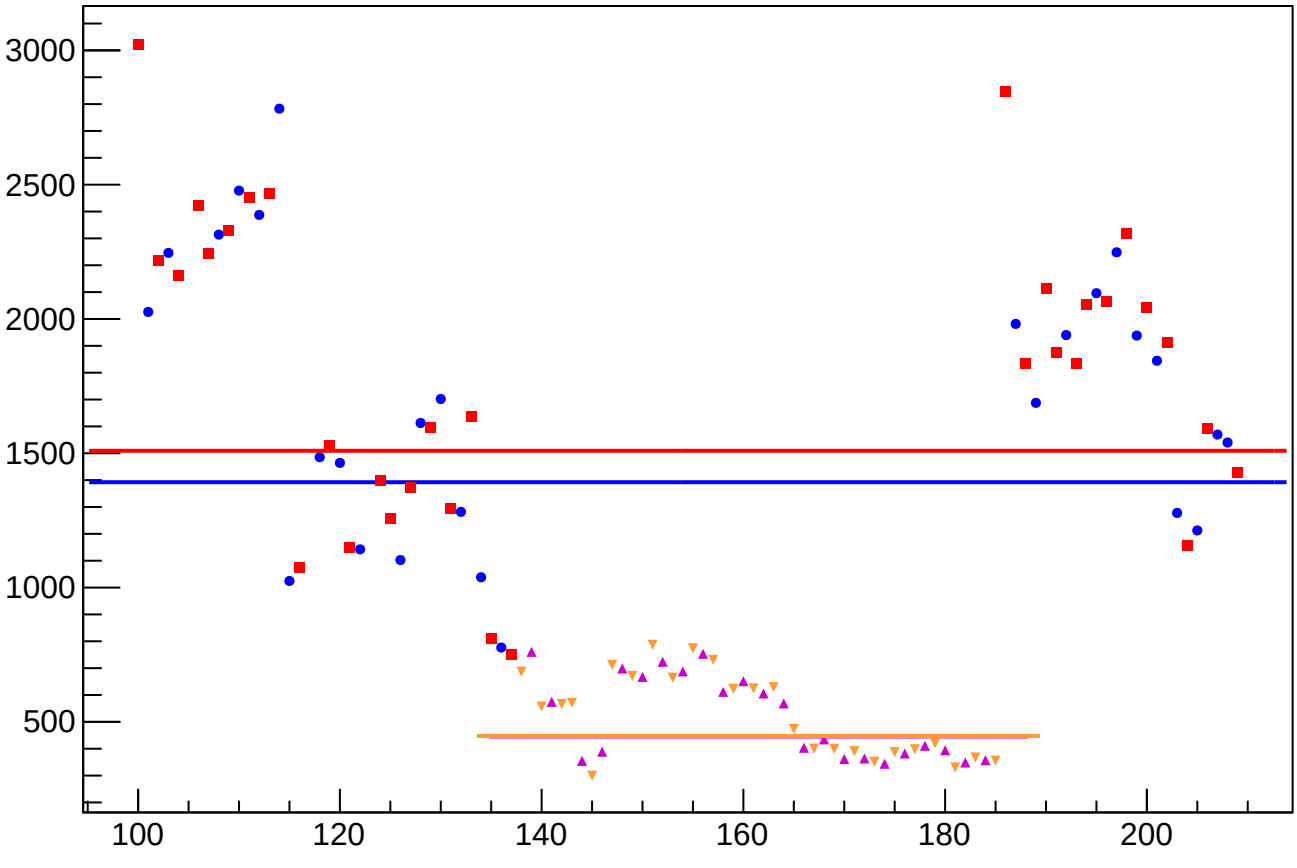
Left: -132.449+/-76.097 χ^2/NDF: 87.4/47

Right: -245.815+/-266.427 χ^2/NDF: 66.4/58

In: -70.541+/-104.468 χ^2/NDF:69.5/49

Out: -208.852+/-102.518 χ^2/NDF:83.7/56

All: -140.999+/-73.171 χ^2/NDF: 154.0/106



Right In: 1392.195+/-0.262 χ^2/NDF: 3178371.0/26

Left Out: 447.386+/-0.075 χ^2/NDF:3197771.9/24

Right Out: 1509.351+/-0.271 χ^2/NDF: 3399193.3/31

Left In: 445.491+/-0.077 χ^2/NDF:2713295.1/22

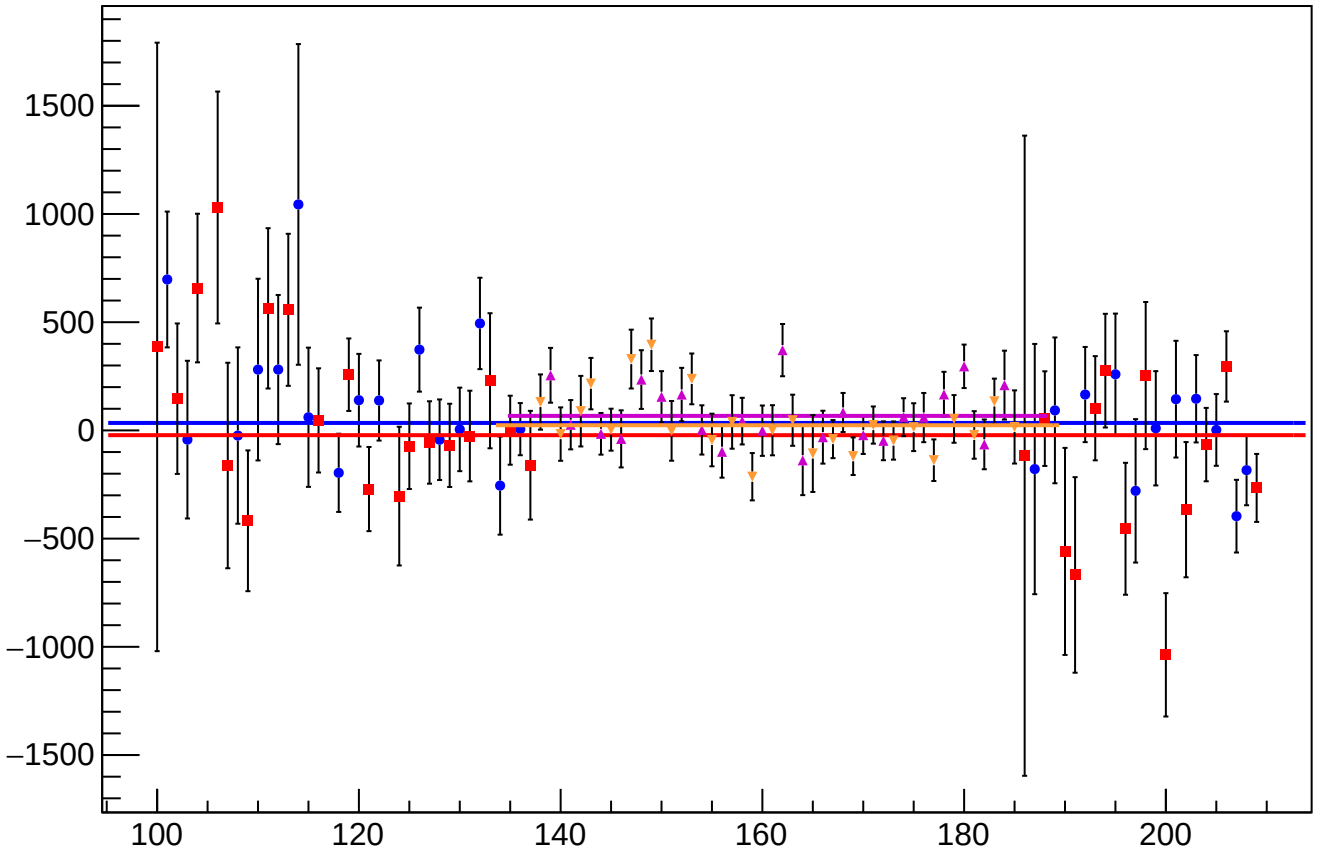
Left: 446.460+/-0.054 χ^2/NDF: 5911376.8/47

Right: 1448.803+/-0.188 χ^2/NDF: 6674136.2/58

In: 520.717+/-0.074 χ^2/NDF:17905589.2/49

Out: 523.359+/-0.072 χ^2/NDF:20851835.3/56

All: 522.063+/-0.052 χ^2/NDF: 38758076.0/10



Right In: 34.519+/-43.005 χ^2/NDF: 30.1/26

Left Out: 23.872+/-22.414 χ^2/NDF:35.2/24

Right Out: -22.072+/-43.639 χ^2/NDF: 49.1/31

Left In: 67.085+/-23.121 χ^2/NDF:28.6/22

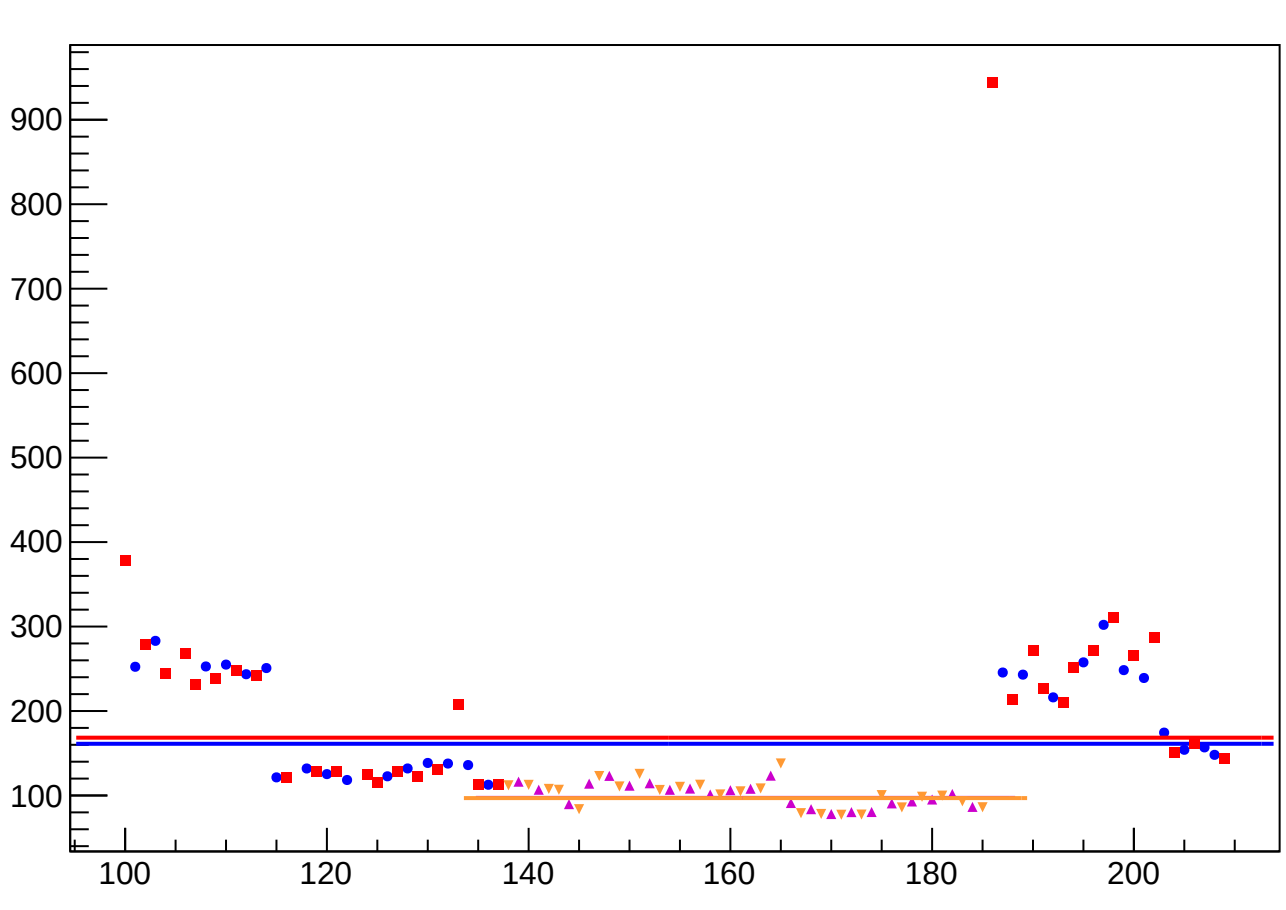
Left: 44.808+/-16.093 χ^2/NDF: 65.6/47

Right: 6.638+/-30.631 χ^2/NDF: 80.1/58

In: 59.783+/-20.364 χ^2/NDF:59.2/49

Out: 14.281+/-19.938 χ^2/NDF:85.2/56

All: 36.551+/-14.247 χ^2/NDF: 146.9/106



Right In: 161.211+/-0.030 χ^2/NDF: 2806518.2/26

Left Out: 96.907+/-0.016 χ^2/NDF:933979.3/24

Right Out: 168.438+/-0.031 χ^2/NDF: 4007879.0/31

Left In: 97.168+/-0.016 χ^2/NDF:674586.0/22

Left: 97.034+/-0.011 χ^2/NDF: 1608696.0/47

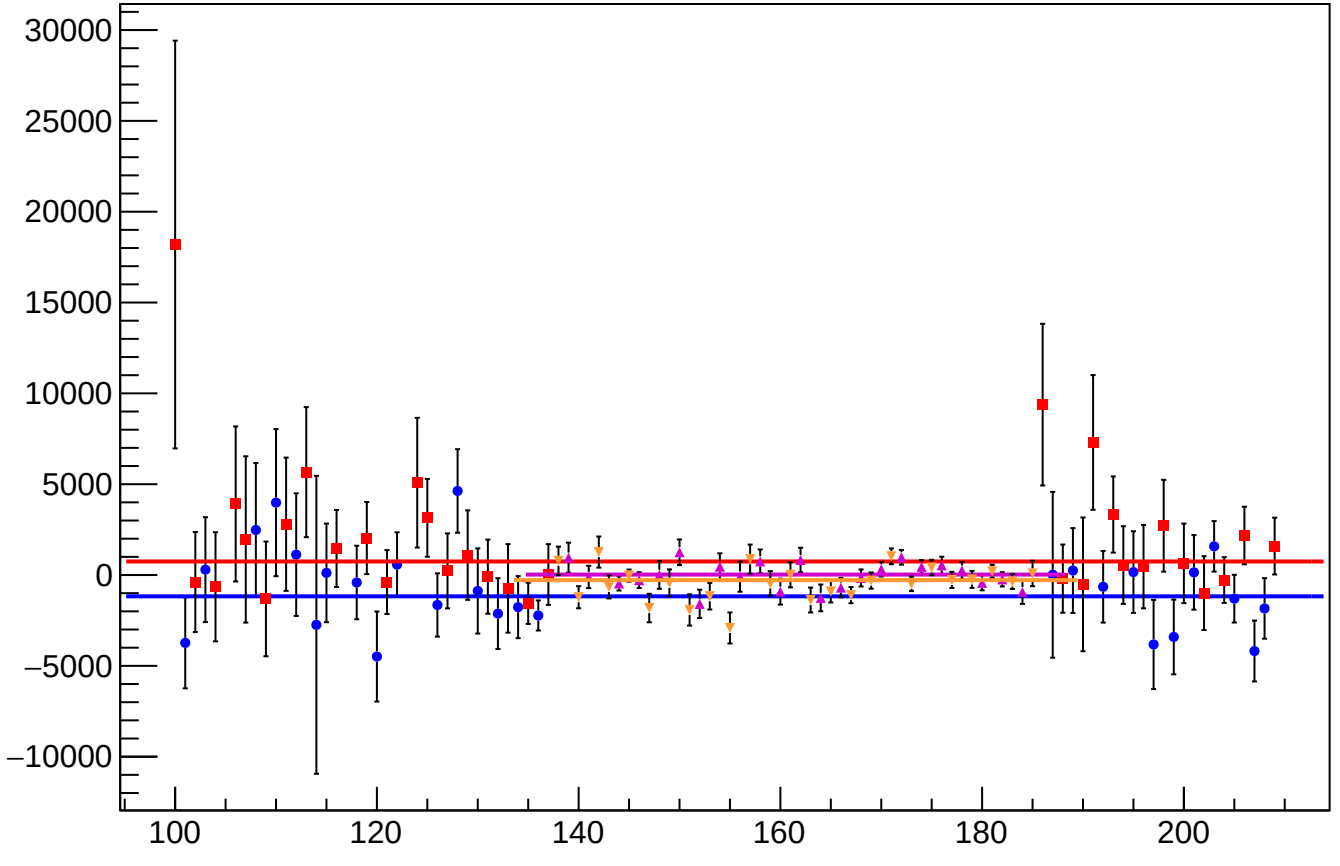
Right: 164.772+/-0.022 χ^2/NDF: 6842219.2/58

In: 111.529+/-0.014 χ^2/NDF:6922062.5/49

Out: 111.839+/-0.014 χ^2/NDF:9193720.8/56

All: 111.687+/-0.010 χ^2/NDF: 16116020.1/10

asym_sam_26_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -1173.031+/-370.602 χ^2/NDF: 26.9/26

Left Out: -282.421+/-106.394 χ^2/NDF:50.4/24

Right Out: 745.970+/-383.288 χ^2/NDF: 26.6/31

Left In: 24.626+/-108.884 χ^2/NDF:32.9/22

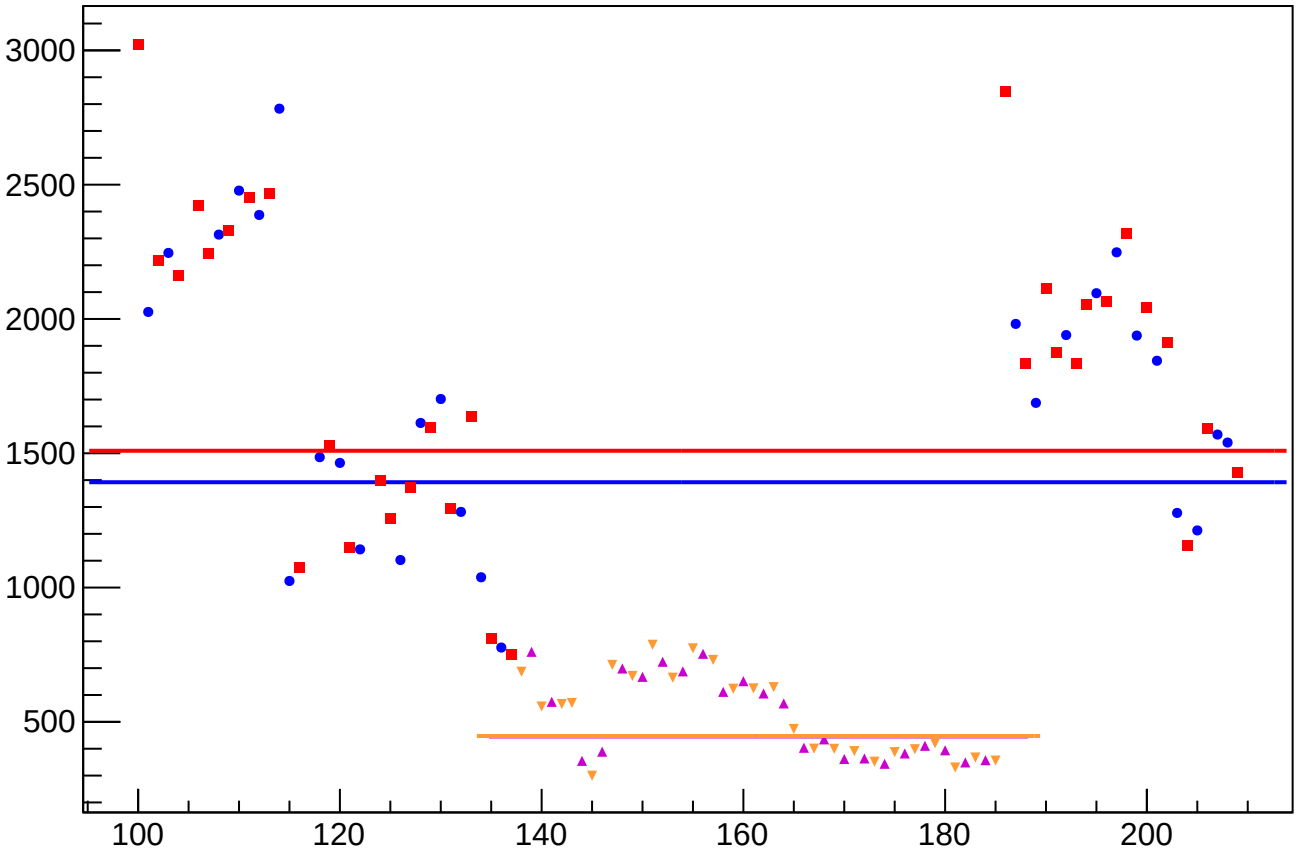
Left: -132.448+/-76.097 χ^2/NDF: 87.4/47

Right: -245.814+/-266.427 χ^2/NDF: 66.4/58

In: -70.541+/-104.468 χ^2/NDF:69.5/49

Out: -208.851+/-102.518 χ^2/NDF:83.7/56

All: -140.999+/-73.171 χ^2/NDF: 154.0/106



Right In: 1392.196+/-0.262 χ^2/NDF: 3178350.9/26

Left Out: 447.385+/-0.075 χ^2/NDF:3197793.9/24

Right Out: 1509.352+/-0.271 χ^2/NDF: 3399176.0/31

Left In: 445.491+/-0.077 χ^2/NDF:2713303.9/22

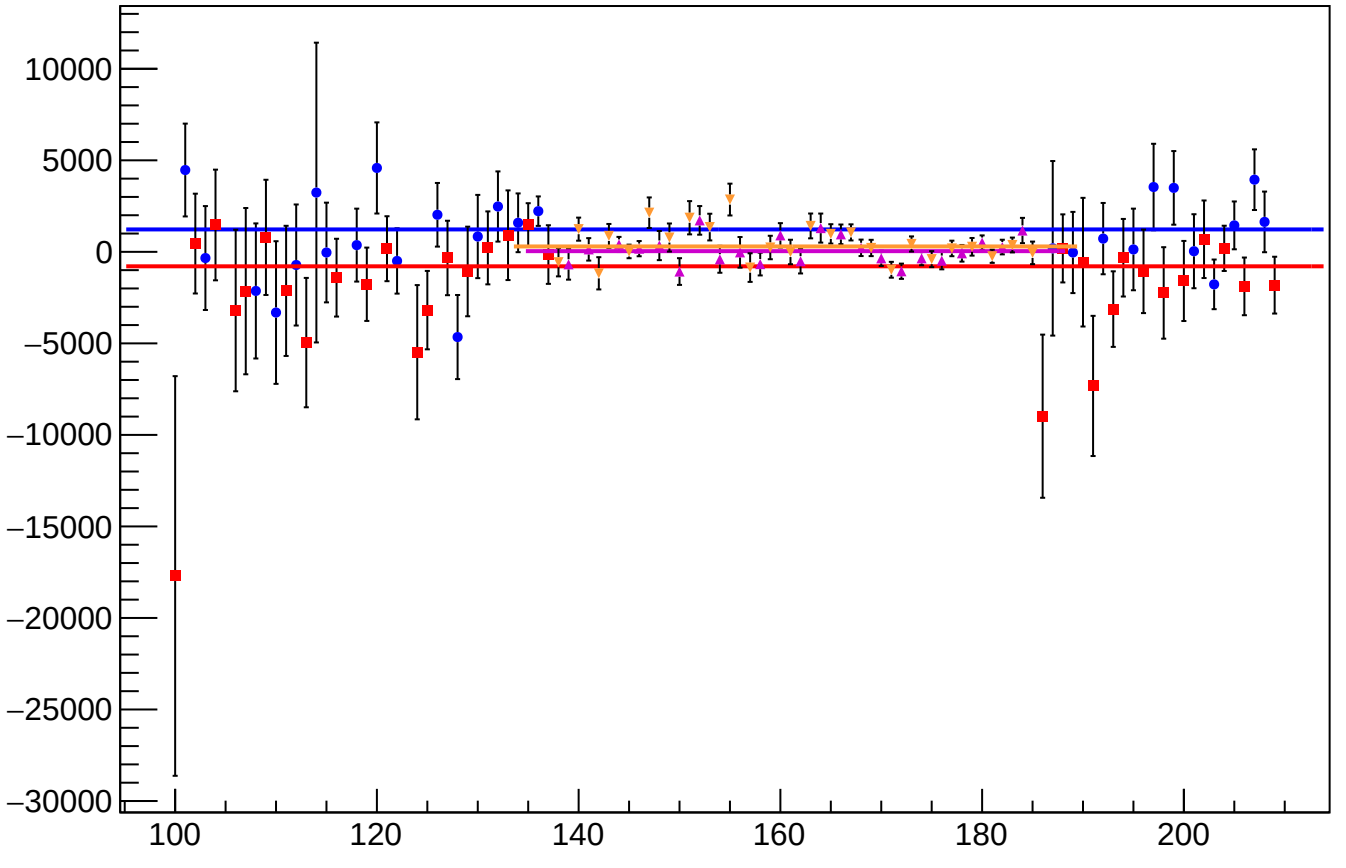
Left: 446.460+/-0.054 χ^2/NDF: 5911407.5/47

Right: 1448.803+/-0.188 χ^2/NDF: 6674098.9/58

In: 520.716+/-0.074 χ^2/NDF:17905599.8/49

Out: 523.358+/-0.072 χ^2/NDF:20851865.7/56

All: 522.062+/-0.052 χ^2/NDF: 38758117.0/10



Right In: 1224.778+/-364.021 χ^2/NDF: 27.4/26

Left Out: 295.006+/-106.810 χ^2/NDF:50.5/24

Right Out: -790.123+/-382.426 χ^2/NDF: 24.0/31

Left In: 38.107+/-109.315 χ^2/NDF:32.9/22

Left: 169.535+/-76.396 χ^2/NDF: 86.3/47

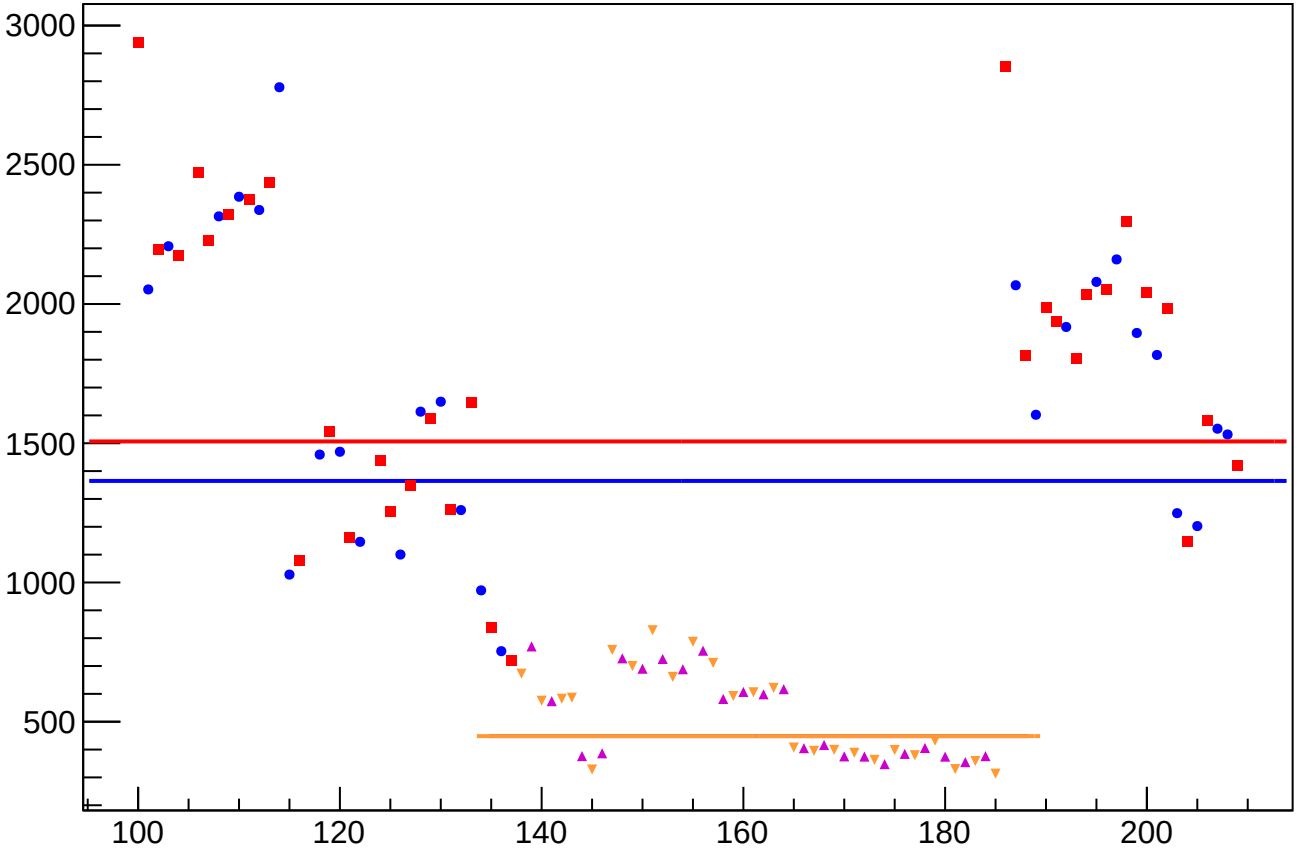
Right: 266.979+/-263.668 χ^2/NDF: 66.0/58

In: 136.268+/-104.697 χ^2/NDF:70.1/49

Out: 216.485+/-102.873 χ^2/NDF:82.0/56

All: 177.082+/-73.378 χ^2/NDF: 152.4/106

asym_sam_26_avg_rms vs Slug, Sign Corrected



Right In: 1364.682+/-0.257 χ^2/NDF: 3266772.3/26

Left Out: 448.278+/-0.076 χ^2/NDF:3156909.8/24

Right Out: 1506.494+/-0.270 χ^2/NDF: 3347043.8/31

Left In: 448.397+/-0.077 χ^2/NDF:2620759.6/22

Left: 448.336+/-0.054 χ^2/NDF: 5777670.6/47

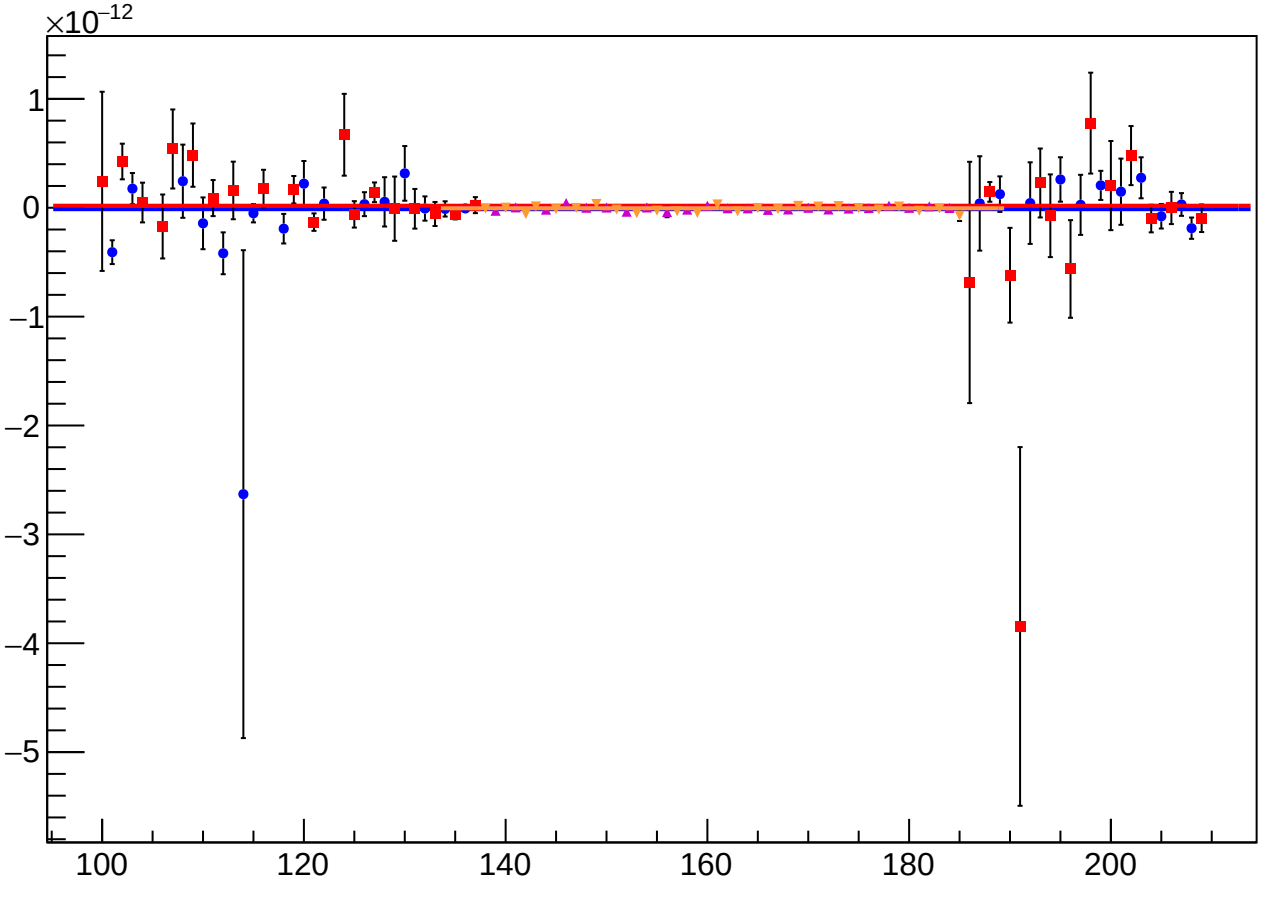
Right: 1432.093+/-0.186 χ^2/NDF: 6758102.6/58

In: 524.192+/-0.074 χ^2/NDF:17511106.9/49

Out: 524.852+/-0.073 χ^2/NDF:20709640.6/56

All: 524.528+/-0.052 χ^2/NDF: 38220787.9/10

asym_sam_26_avg_reg_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.000 χ^2/NDF: 38.4/26

Left Out: -0.000+/-0.000 χ^2/NDF:23.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 45.3/31

Left In: -0.000+/-0.000 χ^2/NDF:16.7/22

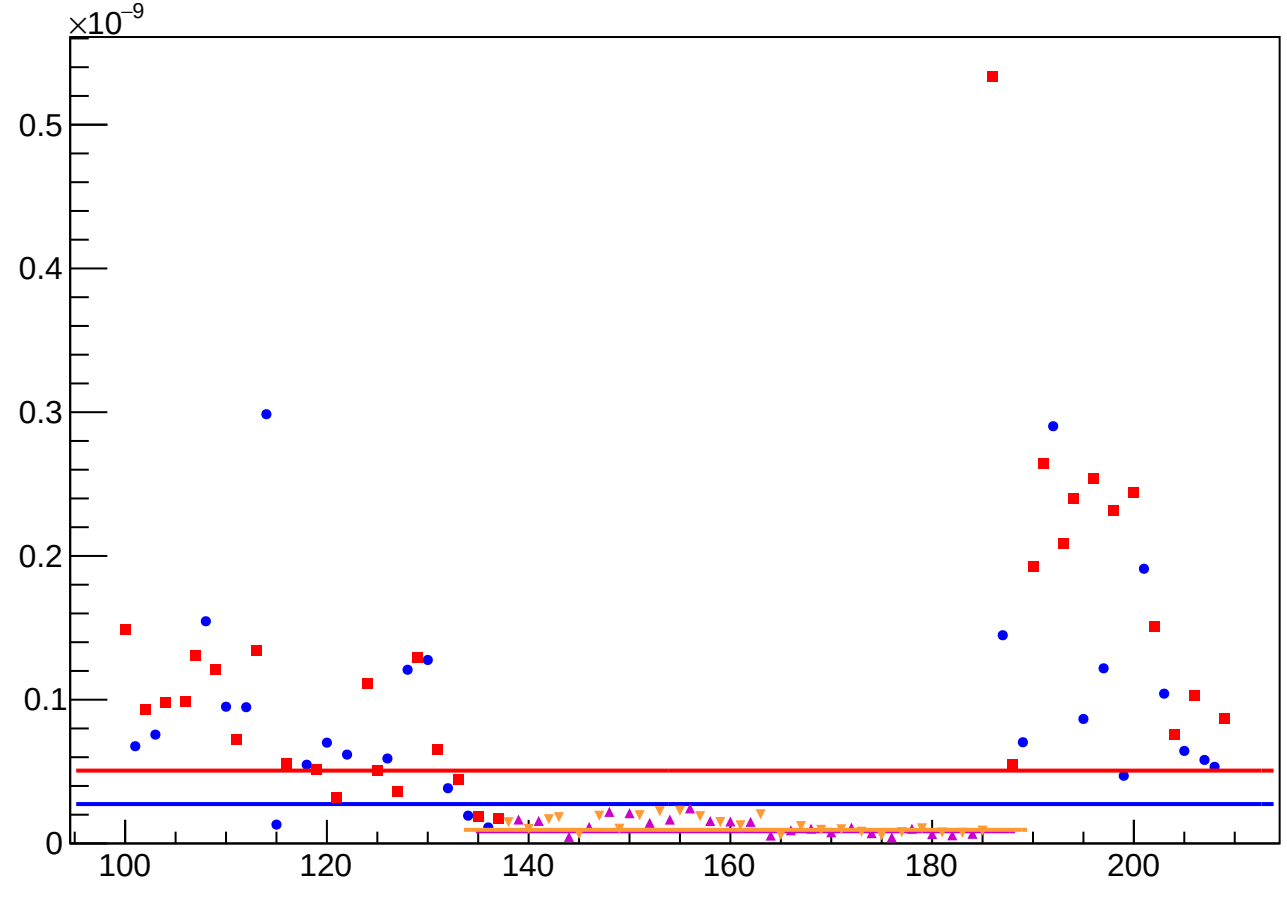
Left: -0.000+/-0.000 χ^2/NDF: 39.9/47

Right: -0.000+/-0.000 χ^2/NDF: 84.9/58

In: -0.000+/-0.000 χ^2/NDF:55.5/49

Out: -0.000+/-0.000 χ^2/NDF:69.4/56

All: -0.000+/-0.000 χ^2/NDF: 124.8/106



Right In: 0.000+/-0.000 χ^2/NDF: 6797225.5/26

Left Out: 0.000+/-0.000 χ^2/NDF:2422094.9/24

Right Out: 0.000+/-0.000 χ^2/NDF: 5983078.2/31

Left In: 0.000+/-0.000 χ^2/NDF:2739291.5/22

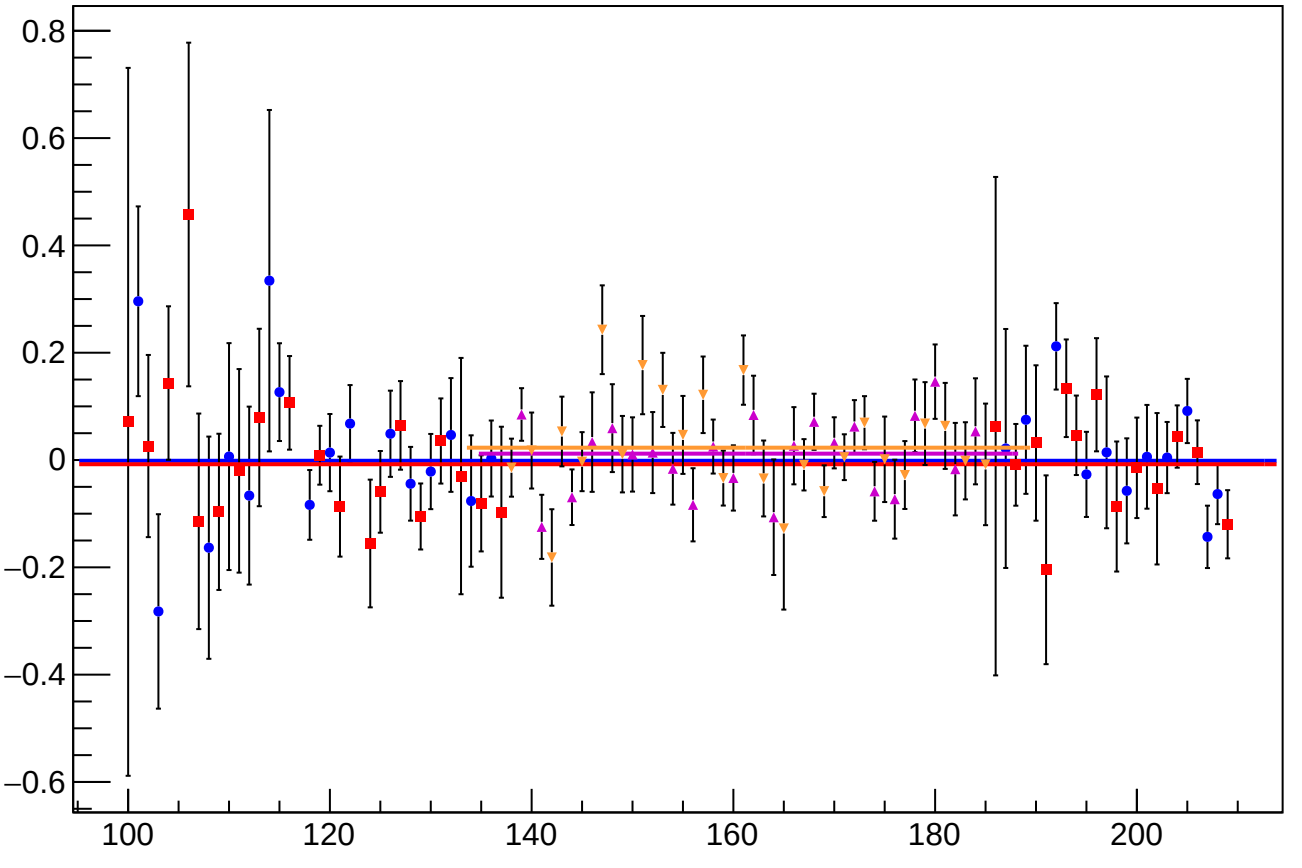
Left: 0.000+/-0.000 χ^2/NDF: 5231856.7/47

Right: 0.000+/-0.000 χ^2/NDF: 14011674.5/58

In: 0.000+/-0.000 χ^2/NDF:11998052.7/49

Out: 0.000+/-0.000 χ^2/NDF:13896179.5/56

All: 0.000+/-0.000 χ^2/NDF: 25979891.5/106



Right In: -0.001+/-0.017 χ^2/NDF: 30.5/26

Left Out: 0.023+/-0.013 χ^2/NDF:34.2/24

Right Out: -0.008+/-0.017 χ^2/NDF: 23.7/31

Left In: 0.012+/-0.013 χ^2/NDF:25.9/22

Left: 0.018+/-0.009 χ^2/NDF: 60.4/47

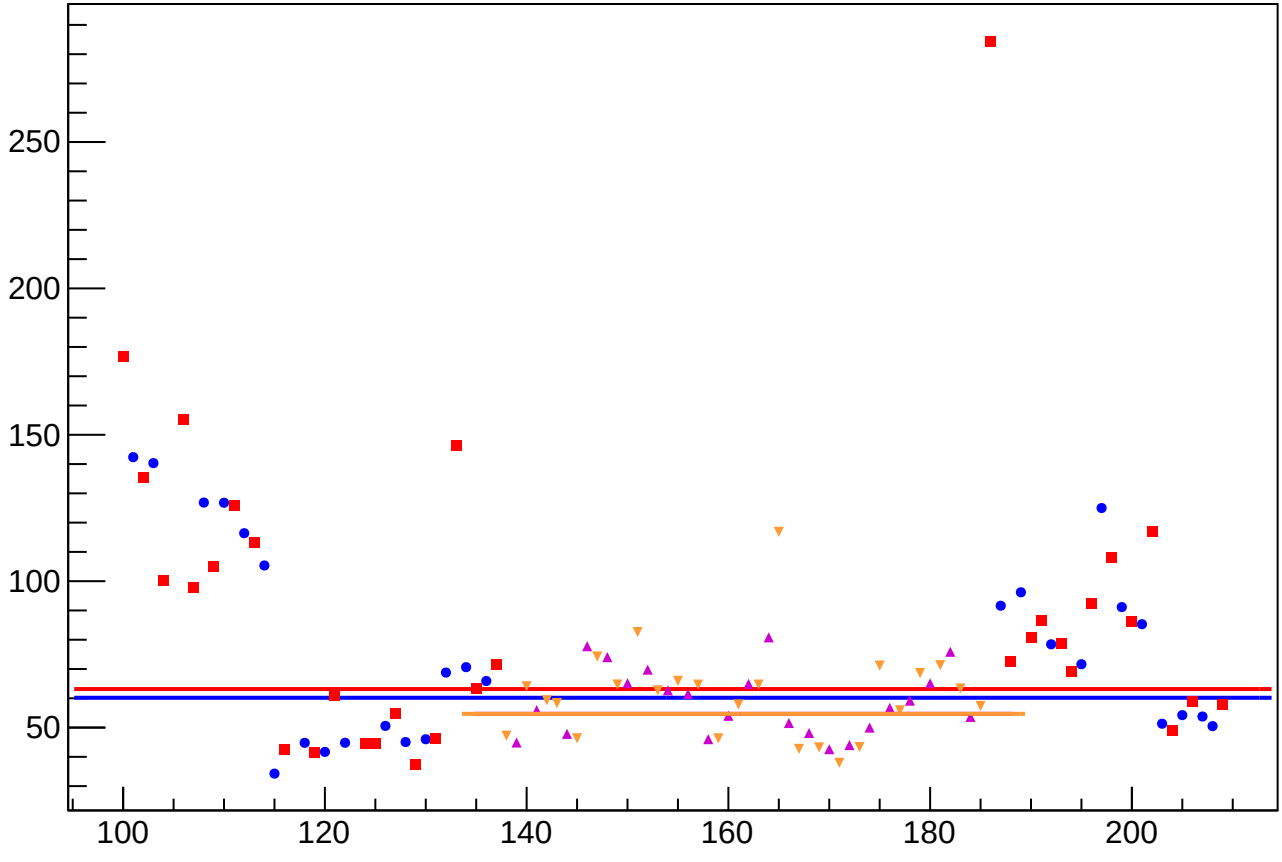
Right: -0.005+/-0.012 χ^2/NDF: 54.2/58

In: 0.007+/-0.010 χ^2/NDF:56.7/49

Out: 0.012+/-0.010 χ^2/NDF:60.0/56

All: 0.009+/-0.007 χ^2/NDF: 116.8/106

asym_sam_26_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 60.178+/-0.012 χ^2/NDF: 3459112.5/26

Left Out: 54.686+/-0.009 χ^2/NDF:1936559.5/24

Right Out: 63.160+/-0.012 χ^2/NDF: 4306985.0/31

Left In: 54.688+/-0.009 χ^2/NDF:1190787.0/22

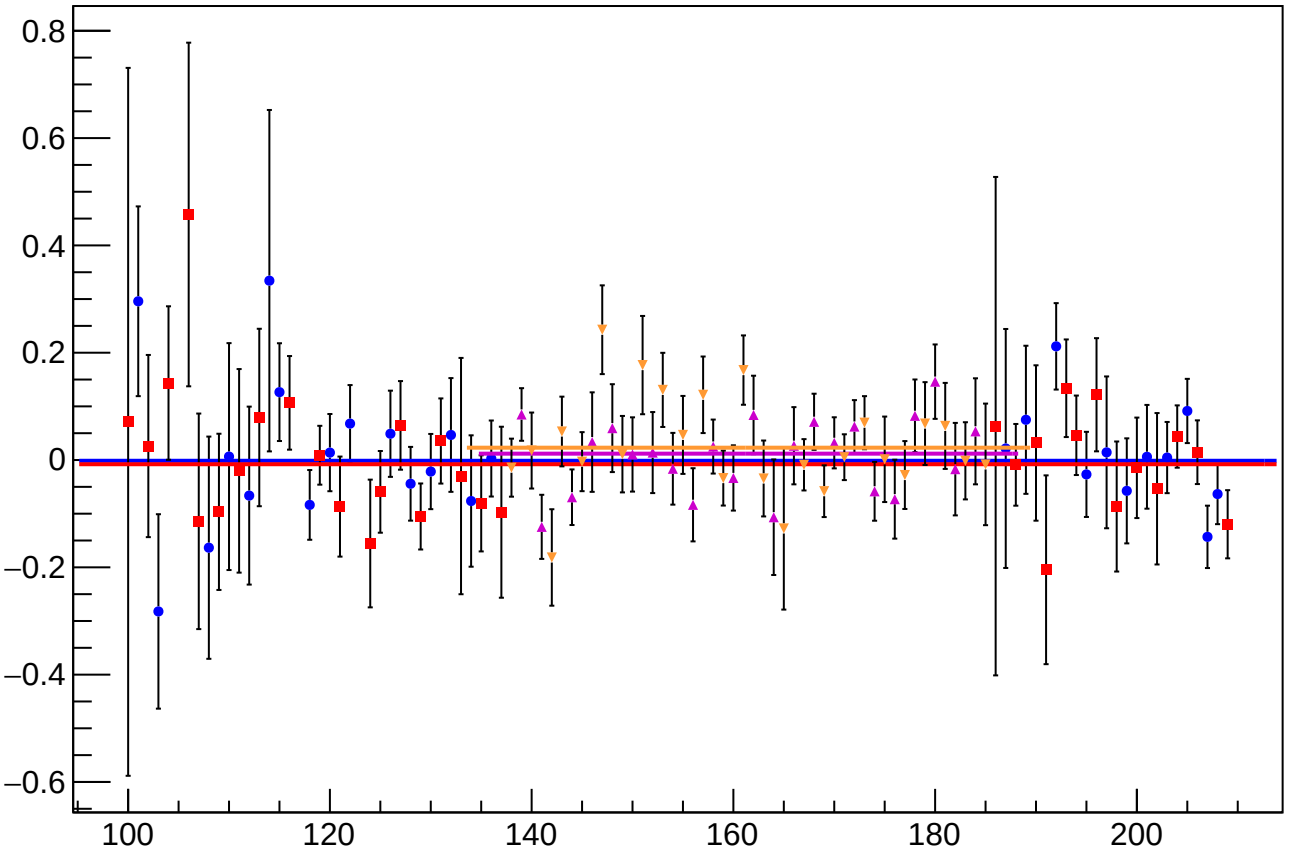
Left: 54.687+/-0.007 χ^2/NDF: 3127346.5/47

Right: 61.654+/-0.008 χ^2/NDF: 7797695.9/58

In: 56.812+/-0.007 χ^2/NDF:4782587.6/49

Out: 57.825+/-0.007 χ^2/NDF:6561741.2/56

All: 57.325+/-0.005 χ^2/NDF: 11353951.9/106



Right In: -0.001+/-0.017 χ^2/NDF: 30.5/26

Left Out: 0.023+/-0.013 χ^2/NDF:34.2/24

Right Out: -0.008+/-0.017 χ^2/NDF: 23.7/31

Left In: 0.012+/-0.013 χ^2/NDF:25.9/22

Left: 0.018+/-0.009 χ^2/NDF: 60.4/47

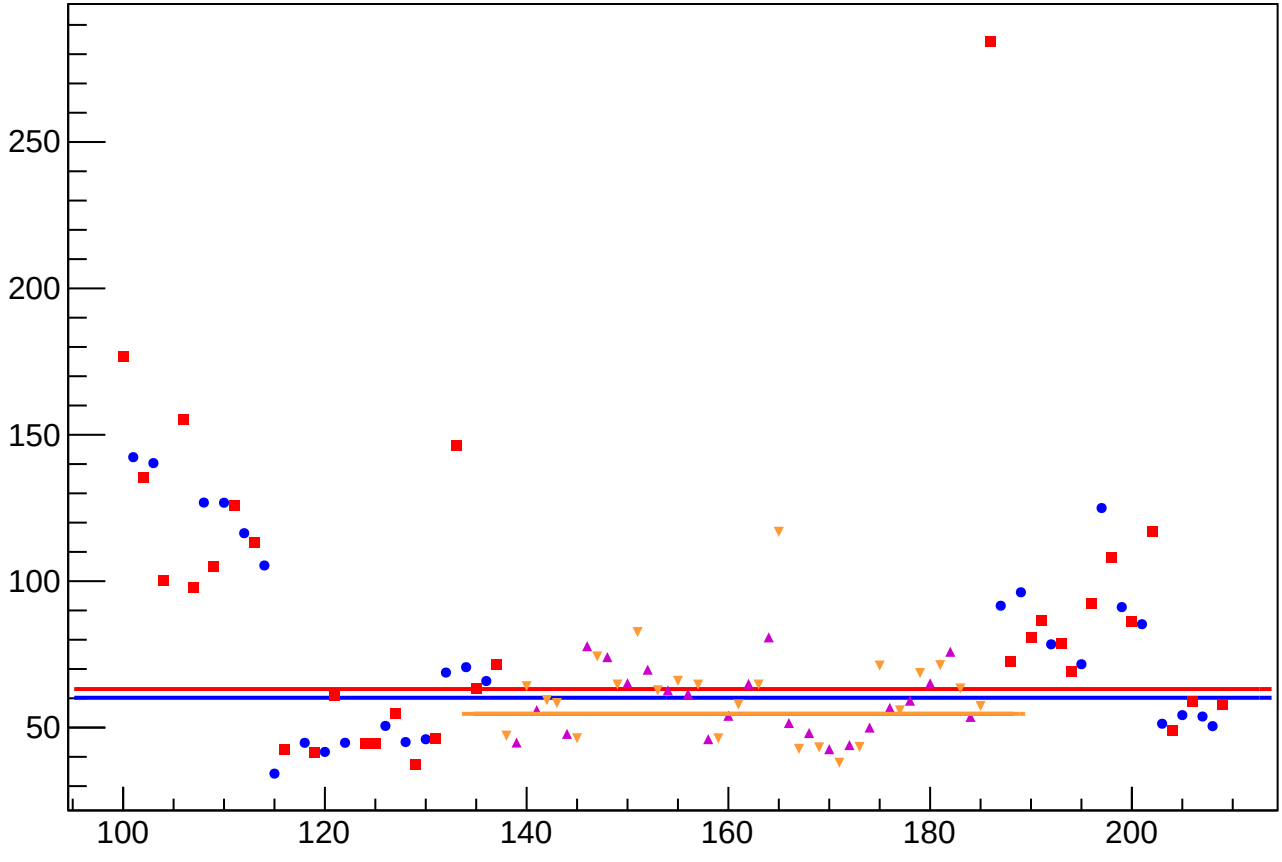
Right: -0.005+/-0.012 χ^2/NDF: 54.2/58

In: 0.007+/-0.010 χ^2/NDF:56.7/49

Out: 0.012+/-0.010 χ^2/NDF:60.0/56

All: 0.009+/-0.007 χ^2/NDF: 116.8/106

asym_sam_26_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 60.178+/-0.012 χ^2/NDF: 3459112.5/26

Left Out: 54.686+/-0.009 χ^2/NDF:1936559.5/24

Right Out: 63.160+/-0.012 χ^2/NDF: 4306985.0/31

Left In: 54.688+/-0.009 χ^2/NDF:1190787.0/22

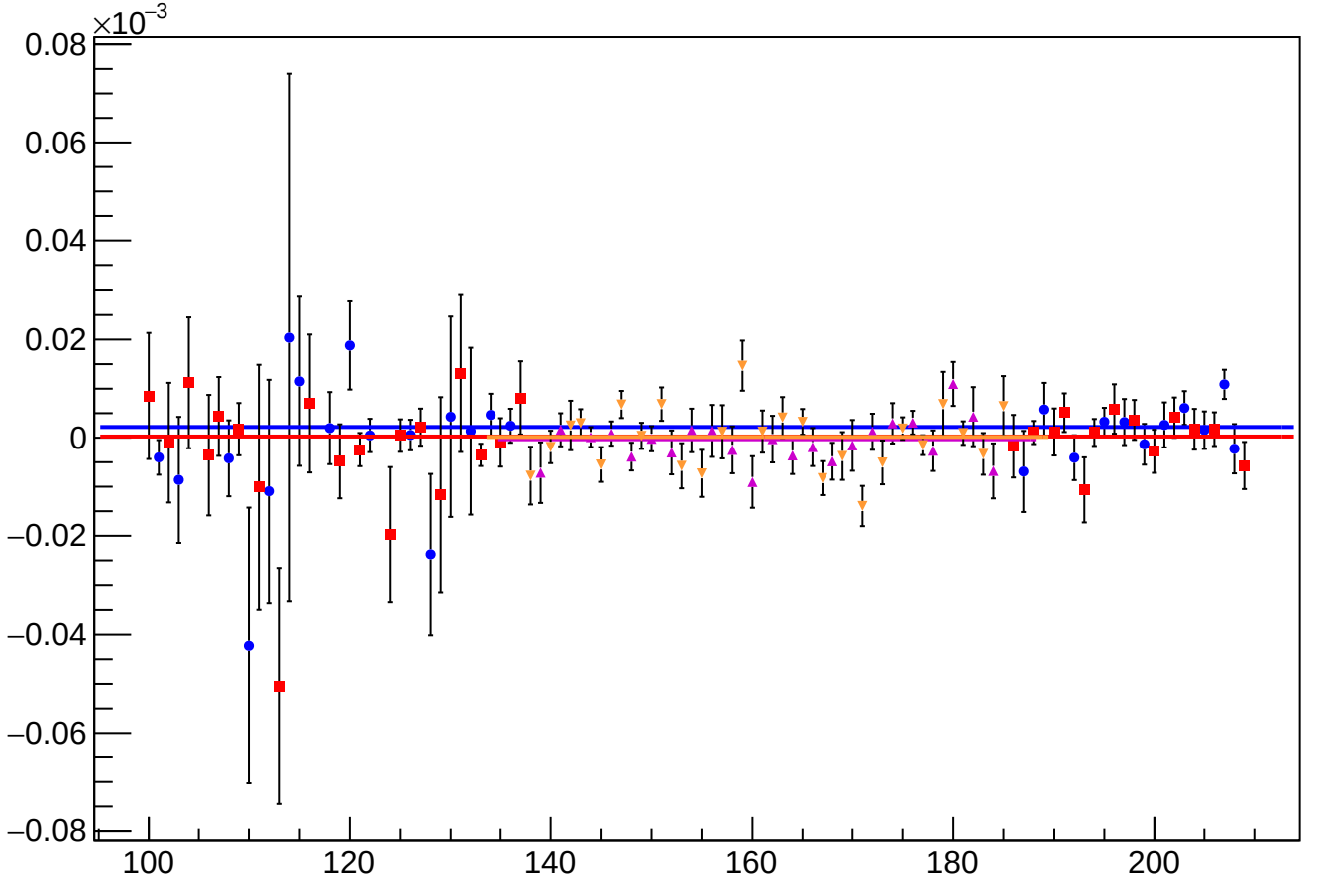
Left: 54.687+/-0.007 χ^2/NDF: 3127346.5/47

Right: 61.654+/-0.008 χ^2/NDF: 7797695.9/58

In: 56.812+/-0.007 χ^2/NDF:4782587.6/49

Out: 57.825+/-0.007 χ^2/NDF:6561741.2/56

All: 57.325+/-0.005 χ^2/NDF: 11353951.9/106



Right In: 0.000+/-0.000 χ^2/NDF: 29.6/26

Left Out: 0.000+/-0.000 χ^2/NDF:53.7/24

Right Out: 0.000+/-0.000 χ^2/NDF: 24.4/31

Left In: -0.000+/-0.000 χ^2/NDF:20.7/22

Left: -0.000+/-0.000 χ^2/NDF: 74.6/47

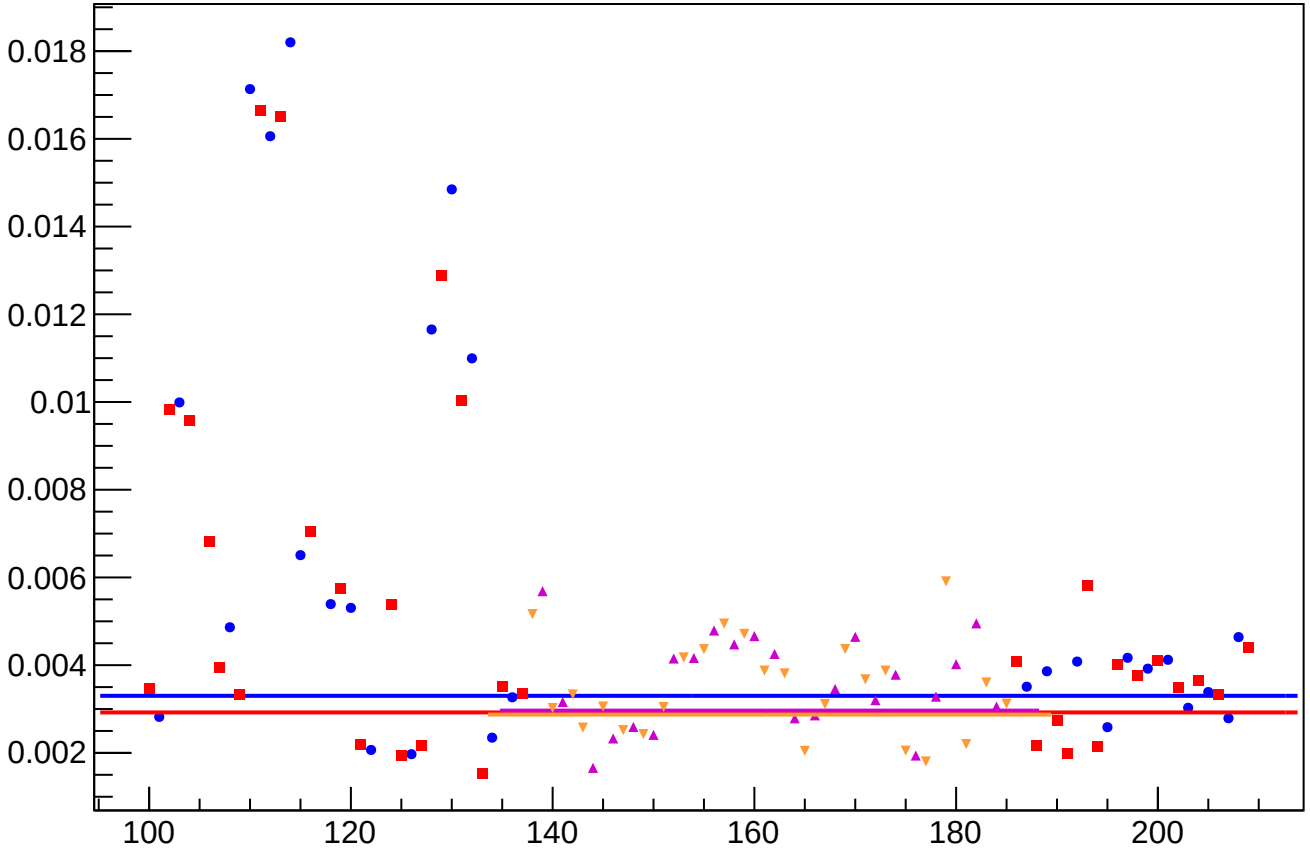
Right: 0.000+/-0.000 χ^2/NDF: 56.5/58

In: 0.000+/-0.000 χ^2/NDF:54.6/49

Out: 0.000+/-0.000 χ^2/NDF:78.2/56

All: 0.000+/-0.000 χ^2/NDF: 133.2/106

asym_sam_26_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.003+/-0.000 χ^2/NDF: 5161210.3/26

Left Out: 0.003+/-0.000 χ^2/NDF:3602368.5/24

Right Out: 0.003+/-0.000 χ^2/NDF: 6759799.1/31

Left In: 0.003+/-0.000 χ^2/NDF:3619016.3/22

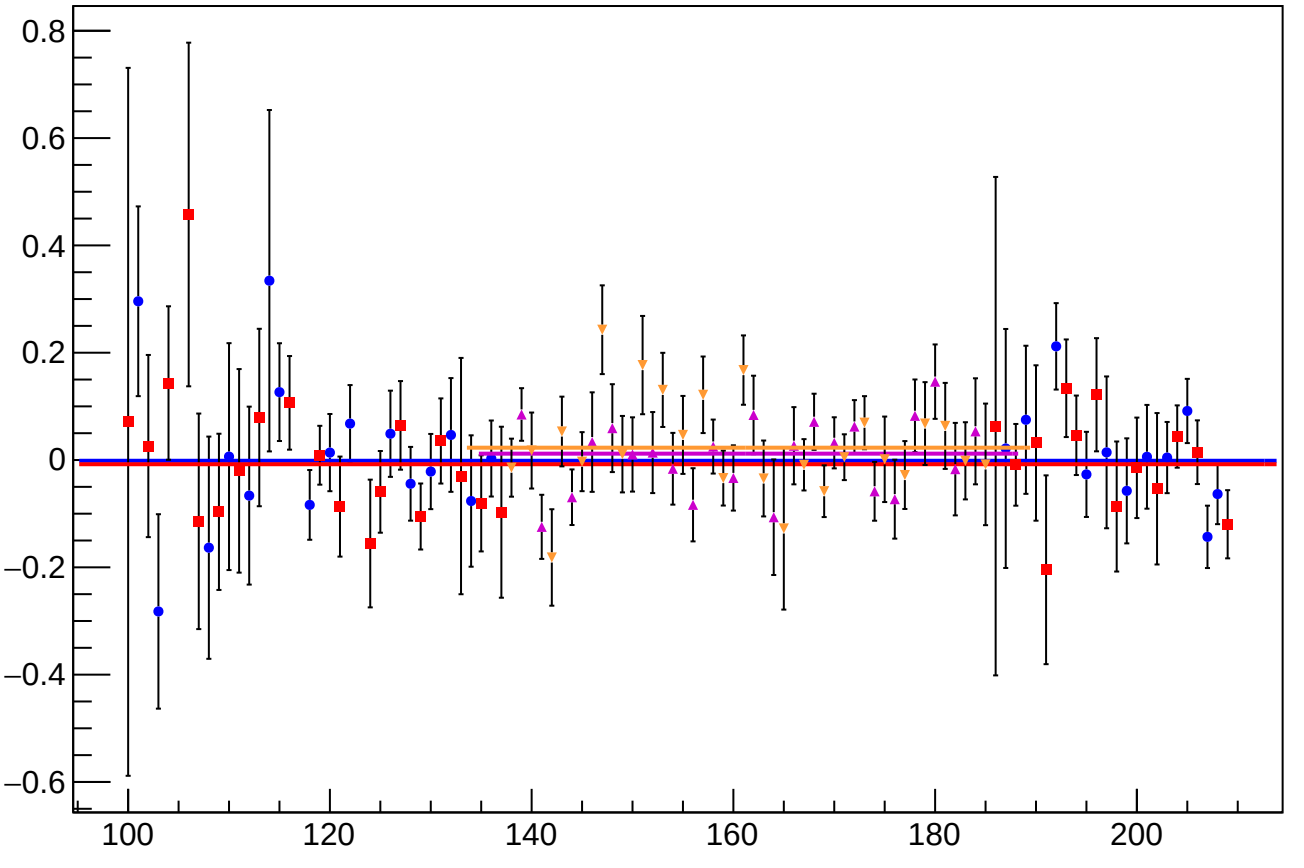
Left: 0.003+/-0.000 χ^2/NDF: 7237301.1/47

Right: 0.003+/-0.000 χ^2/NDF: 12107025.2/58

In: 0.003+/-0.000 χ^2/NDF:8939401.6/49

Out: 0.003+/-0.000 χ^2/NDF:10366389.2/56

All: 0.003+/-0.000 χ^2/NDF: 19438608.1/106



Right In: -0.001+/-0.017 χ^2/NDF: 30.5/26

Left Out: 0.023+/-0.013 χ^2/NDF:34.2/24

Right Out: -0.008+/-0.017 χ^2/NDF: 23.7/31

Left In: 0.012+/-0.013 χ^2/NDF:25.9/22

Left: 0.018+/-0.009 χ^2/NDF: 60.4/47

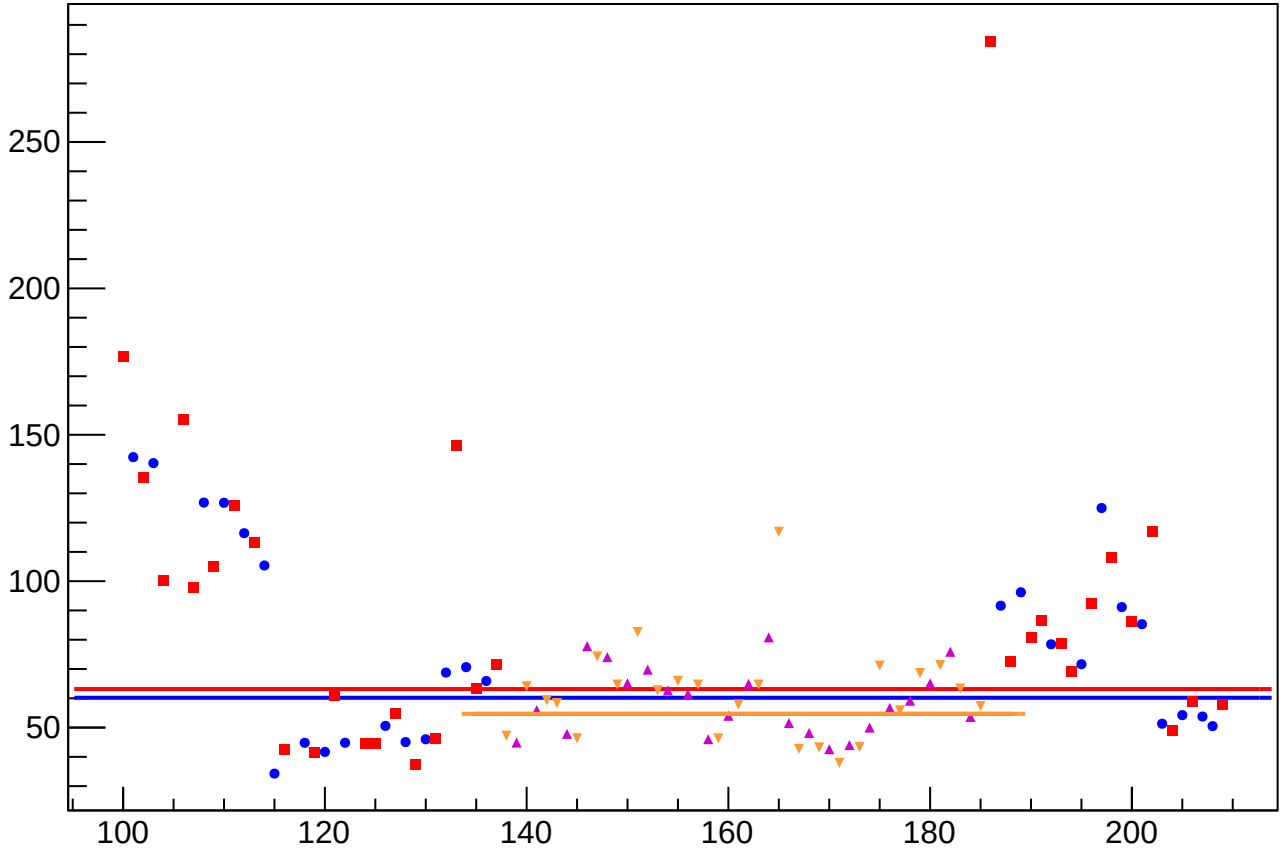
Right: -0.005+/-0.012 χ^2/NDF: 54.2/58

In: 0.007+/-0.010 χ^2/NDF:56.7/49

Out: 0.012+/-0.010 χ^2/NDF:60.0/56

All: 0.009+/-0.007 χ^2/NDF: 116.8/106

asym_sam_26_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 60.178+/-0.012 χ^2/NDF: 3459086.6/26

Left Out: 54.686+/-0.009 χ^2/NDF:1936555.1/24

Right Out: 63.160+/-0.012 χ^2/NDF: 4306980.6/31

Left In: 54.689+/-0.009 χ^2/NDF:1190755.4/22

Left: 54.688+/-0.007 χ^2/NDF: 3127310.5/47

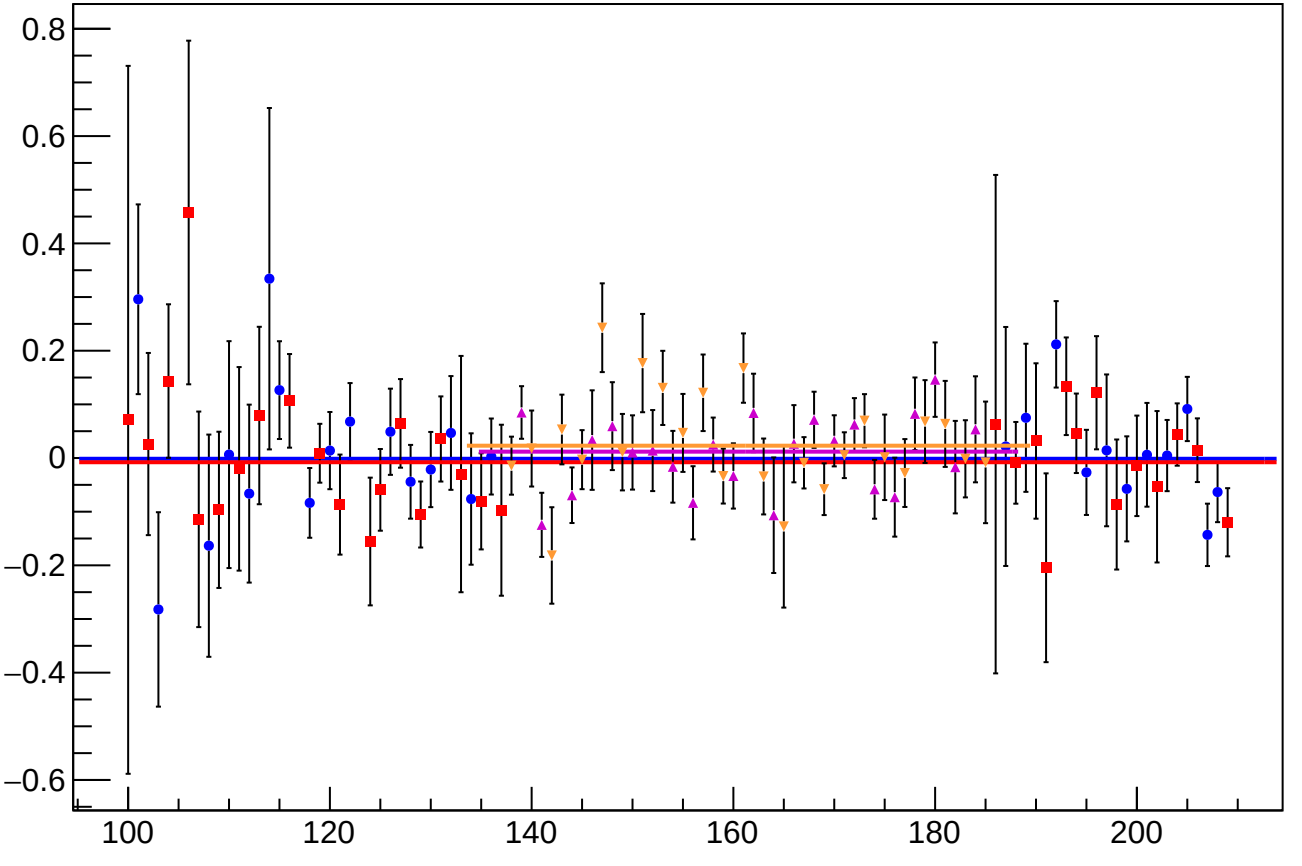
Right: 61.654+/-0.008 χ^2/NDF: 7797666.9/58

In: 56.813+/-0.007 χ^2/NDF:4782493.0/49

Out: 57.825+/-0.007 χ^2/NDF:6561687.7/56

All: 57.325+/-0.005 χ^2/NDF: 11353802.8/106

asym_sam_26_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.001+/-0.017 χ^2/NDF: 30.5/26

Left Out: 0.023+/-0.013 χ^2/NDF:34.2/24

Right Out: -0.008+/-0.017 χ^2/NDF: 23.7/31

Left In: 0.012+/-0.013 χ^2/NDF:25.9/22

Left: 0.018+/-0.009 χ^2/NDF: 60.4/47

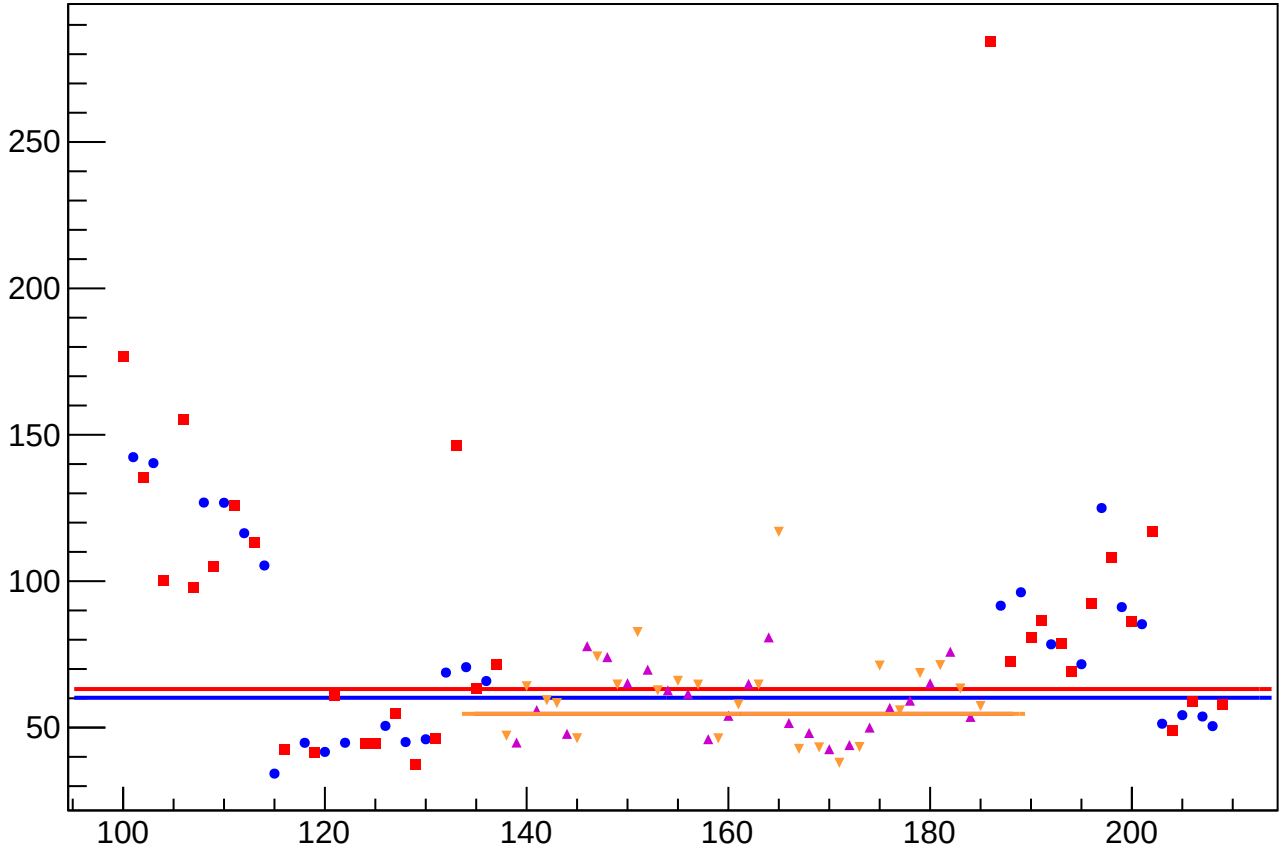
Right: -0.005+/-0.012 χ^2/NDF: 54.2/58

In: 0.007+/-0.010 χ^2/NDF:56.7/49

Out: 0.012+/-0.010 χ^2/NDF:60.0/56

All: 0.009+/-0.007 χ^2/NDF: 116.8/106

asym_sam_26_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 60.178+/-0.012 χ^2/NDF: 3459086.6/26

Left Out: 54.686+/-0.009 χ^2/NDF:1936555.1/24

Right Out: 63.160+/-0.012 χ^2/NDF: 4306980.6/31

Left In: 54.689+/-0.009 χ^2/NDF:1190755.4/22

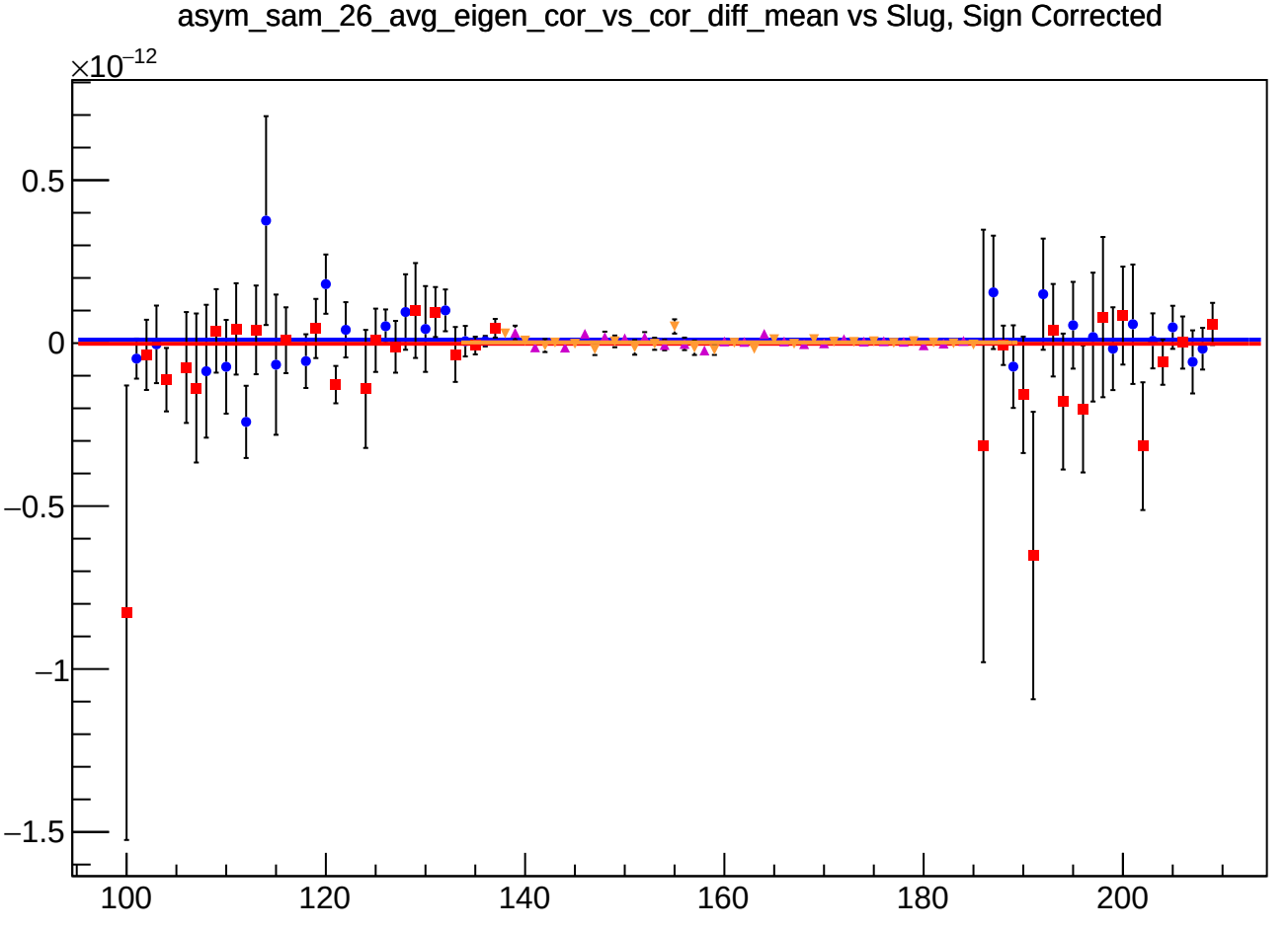
Left: 54.688+/-0.007 χ^2/NDF: 3127310.5/47

Right: 61.654+/-0.008 χ^2/NDF: 7797666.9/58

In: 56.813+/-0.007 χ^2/NDF:4782493.0/49

Out: 57.825+/-0.007 χ^2/NDF:6561687.7/56

All: 57.325+/-0.005 χ^2/NDF: 11353802.8/106



Right In: 0.000+/-0.000 χ^2/NDF: 18.7/26

Left Out: 0.000+/-0.000 χ^2/NDF:20.7/24

Right Out: -0.000+/-0.000 χ^2/NDF: 23.9/31

Left In: 0.000+/-0.000 χ^2/NDF:33.1/22

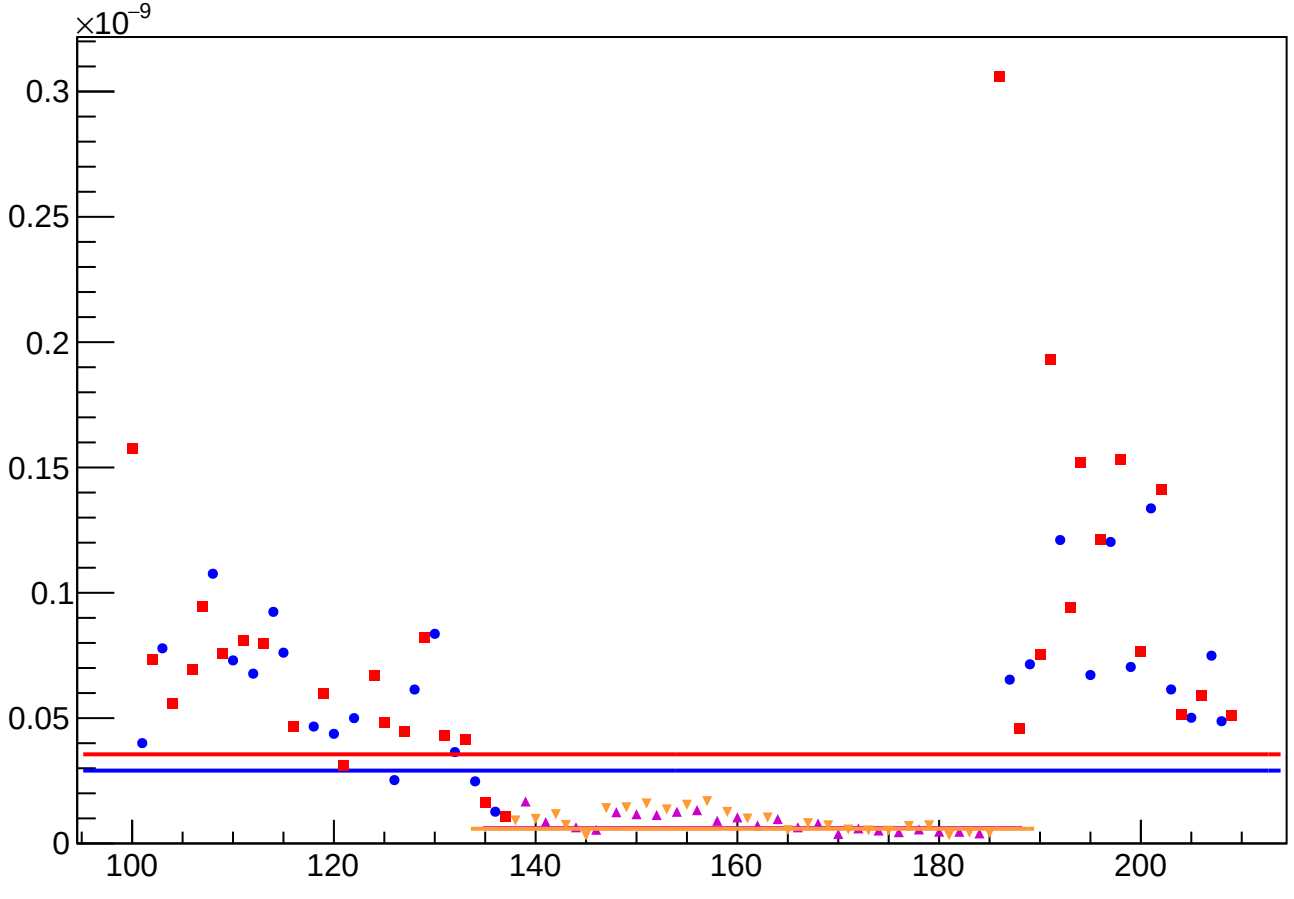
Left: 0.000+/-0.000 χ^2/NDF: 53.9/47

Right: 0.000+/-0.000 χ^2/NDF: 43.1/58

In: 0.000+/-0.000 χ^2/NDF:52.2/49

Out: 0.000+/-0.000 χ^2/NDF:44.7/56

All: 0.000+/-0.000 χ^2/NDF: 97.1/106



Right In: 0.000+/-0.000 χ^2/NDF: 7655190.0/26

Left Out: 0.000+/-0.000 χ^2/NDF:5538819.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 7942456.7/31

Left In: 0.000+/-0.000 χ^2/NDF:3304370.7/22

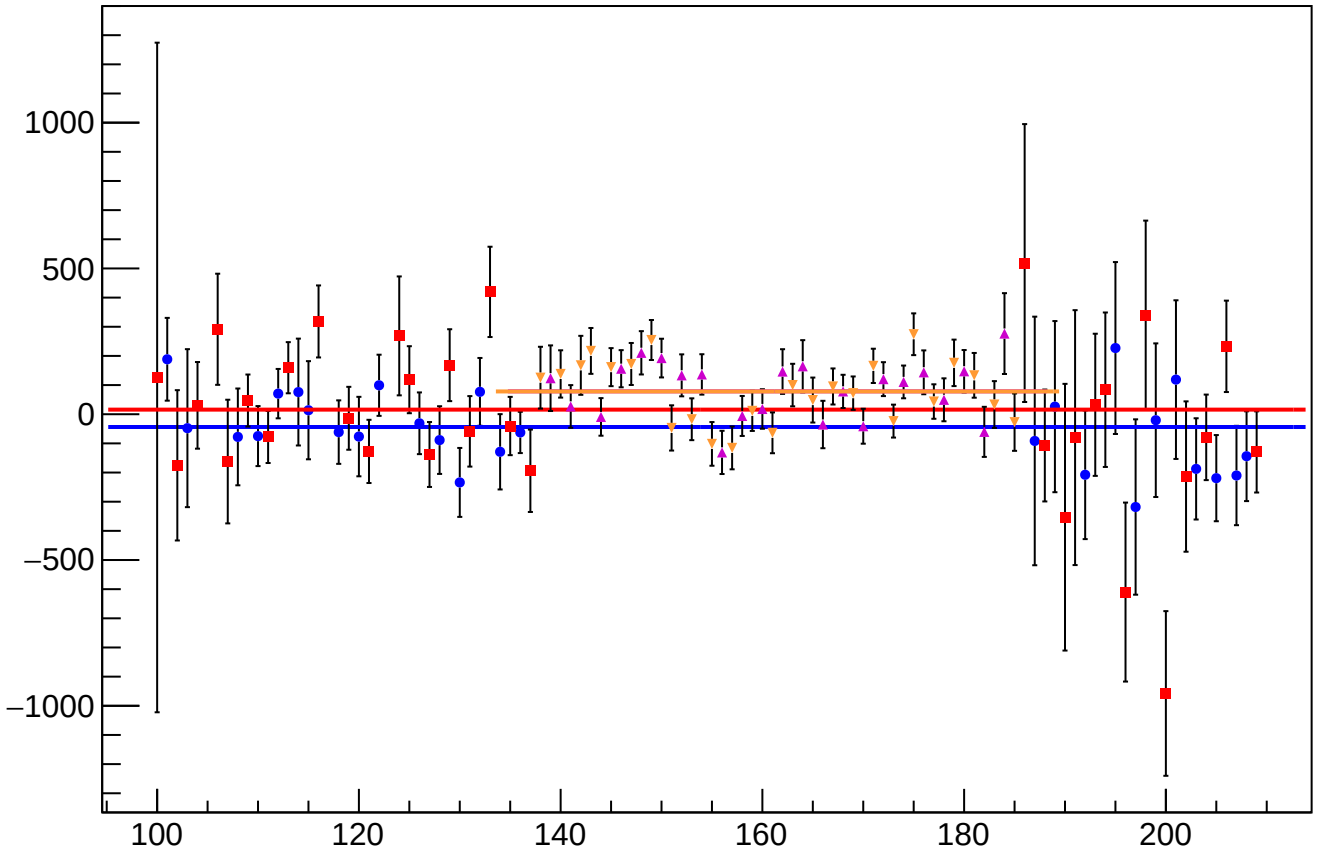
Left: 0.000+/-0.000 χ^2/NDF: 8861543.6/47

Right: 0.000+/-0.000 χ^2/NDF: 15850304.8/58

In: 0.000+/-0.000 χ^2/NDF:18126967.0/49

Out: 0.000+/-0.000 χ^2/NDF:22601562.3/56

All: 0.000+/-0.000 χ^2/NDF: 40756615.1/106



Right In: -43.822+/-26.352 χ^2/NDF: 17.6/26

Left Out: 78.159+/-14.326 χ^2/NDF:53.9/24

Right Out: 15.794+/-25.869 χ^2/NDF: 54.1/31

Left In: 78.506+/-14.811 χ^2/NDF:36.7/22

Left: 78.327+/-10.297 χ^2/NDF: 90.5/47

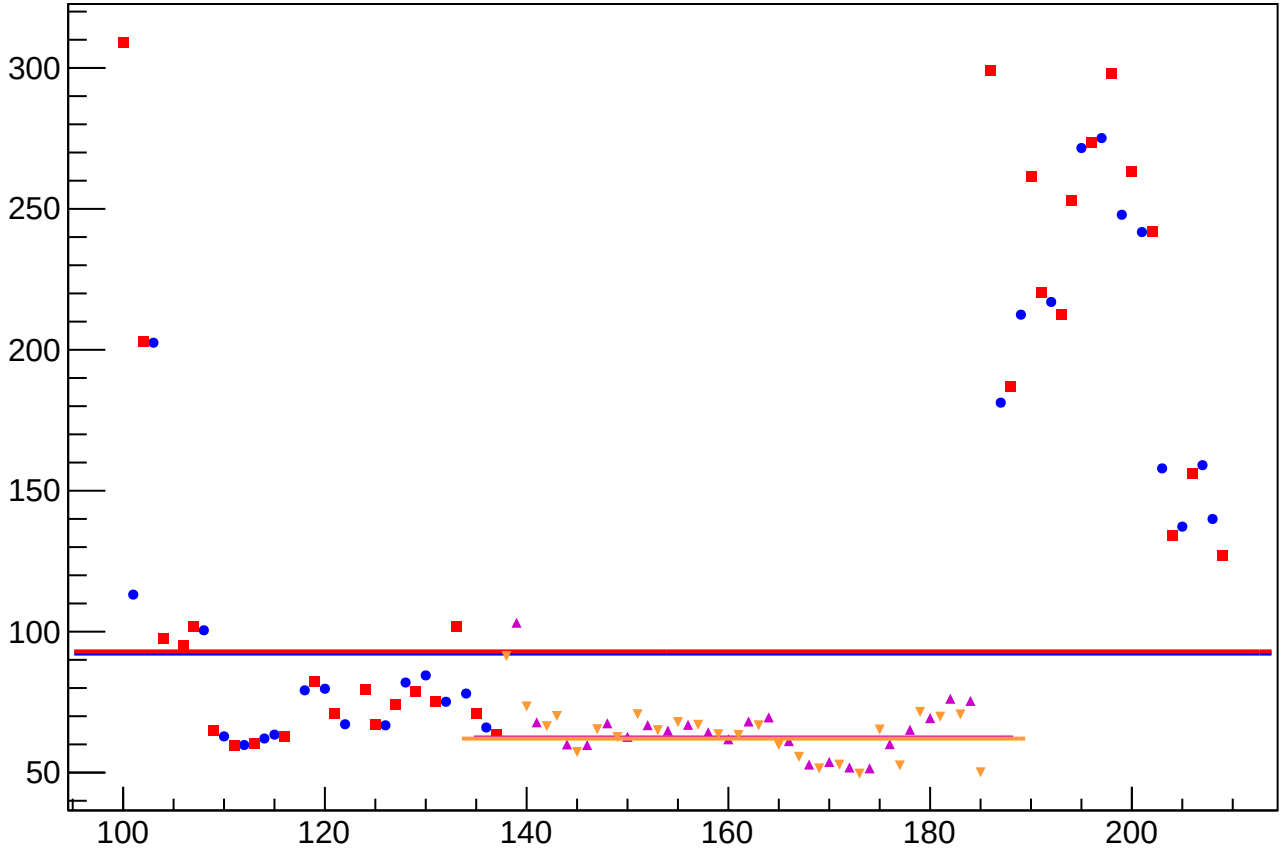
Right: -13.463+/-18.461 χ^2/NDF: 74.3/58

In: 49.140+/-12.912 χ^2/NDF:70.6/49

Out: 63.522+/-12.532 χ^2/NDF:112.5/56

All: 56.545+/-8.993 χ^2/NDF: 183.7/106

reg_asym_sam_37_avg_rms vs Slug, Sign Corrected



Right In: 92.222+/-0.019 χ^2/NDF: 6407824.3/26

Left Out: 62.063+/-0.010 χ^2/NDF:686530.2/24

Right Out: 92.999+/-0.018 χ^2/NDF: 7832546.7/31

Left In: 62.445+/-0.010 χ^2/NDF:664644.9/22

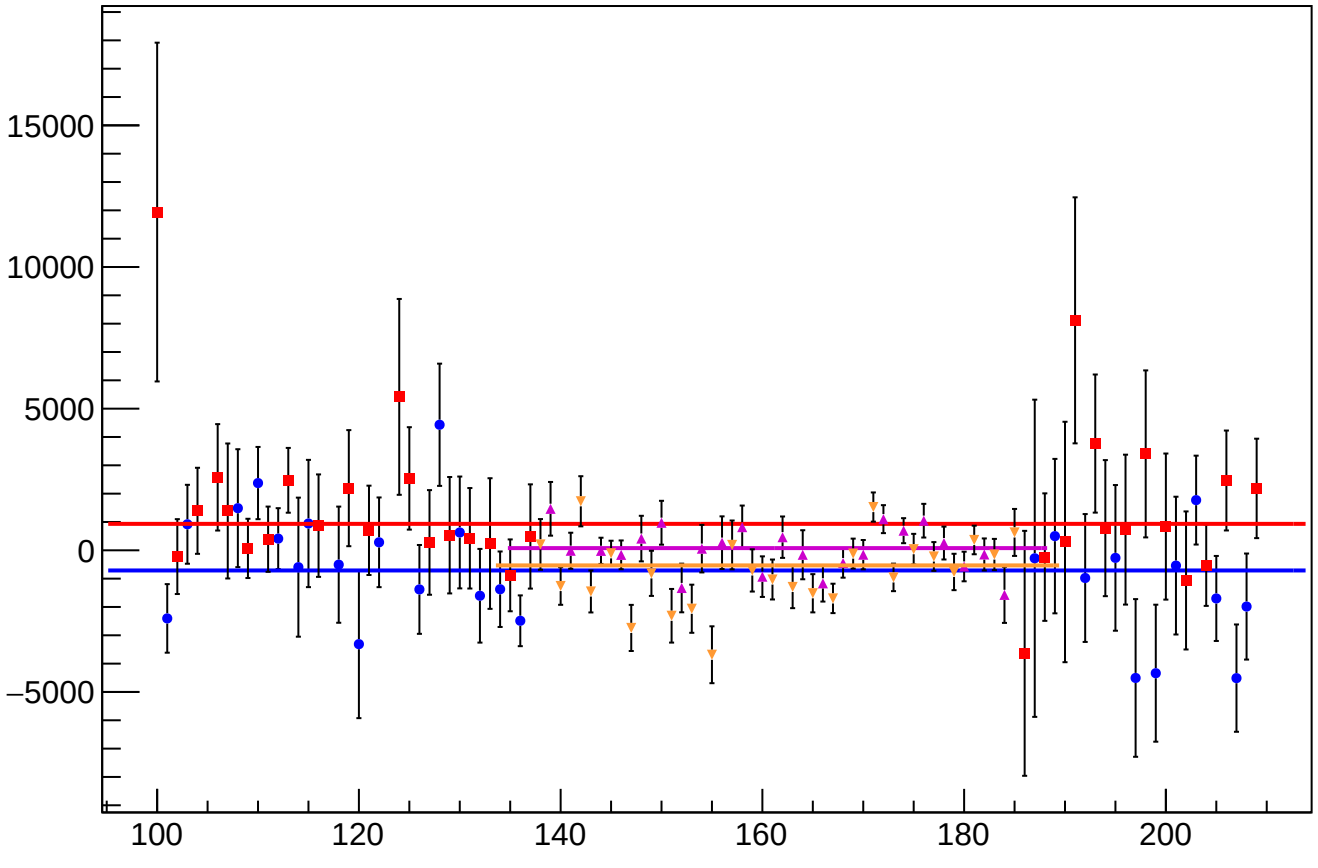
Left: 62.248+/-0.007 χ^2/NDF: 1351864.4/47

Right: 92.618+/-0.013 χ^2/NDF: 14241255.4/58

In: 69.594+/-0.009 χ^2/NDF:9013045.8/49

Out: 69.323+/-0.009 χ^2/NDF:10707999.1/56

All: 69.454+/-0.006 χ^2/NDF: 19721497.0/106



Right In: -711.518+/-324.306 χ^2/NDF: 35.9/26

Left Out: -532.779+/-127.927 χ^2/NDF:69.1/24

Right Out: 933.363+/-322.333 χ^2/NDF: 22.3/31

Left In: 77.393+/-130.317 χ^2/NDF:28.4/22

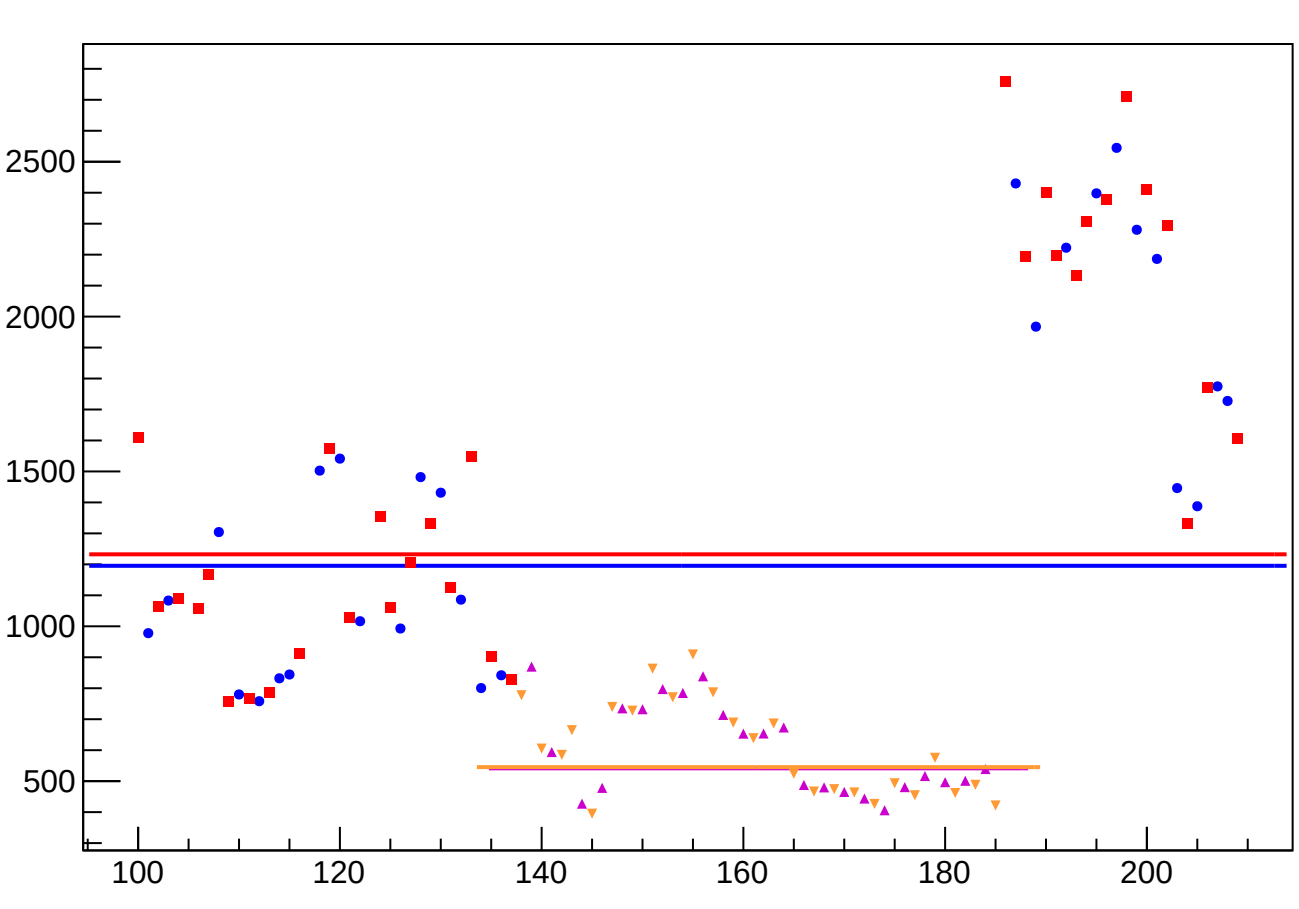
Left: -233.341+/-91.291 χ^2/NDF: 108.6/47

Right: 115.940+/-228.618 χ^2/NDF: 71.1/58

In: -32.284+/-120.920 χ^2/NDF:69.4/49

Out: -333.270+/-118.904 χ^2/NDF:109.2/56

All: -185.306+/-84.782 χ^2/NDF: 181.7/106



Right In: 1195.316+/-0.229 χ^2/NDF: 4164635.5/26

Left Out: 545.304+/-0.090 χ^2/NDF:2083690.3/24

Right Out: 1232.400+/-0.228 χ^2/NDF: 5072423.1/31

Left In: 541.458+/-0.092 χ^2/NDF:1840342.7/22

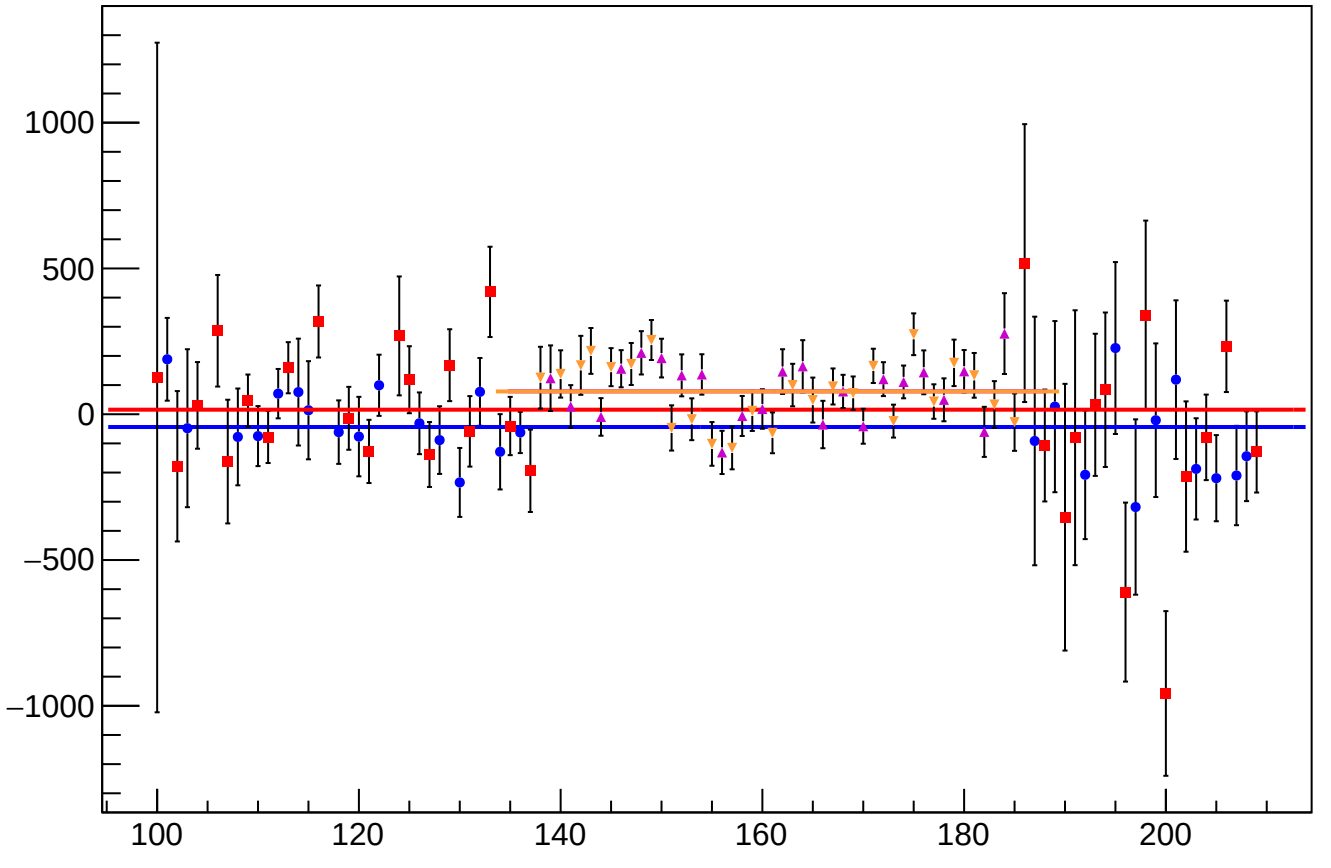
Left: 543.417+/-0.065 χ^2/NDF: 3924920.4/47

Right: 1213.971+/-0.162 χ^2/NDF: 9250213.8/58

In: 632.359+/-0.086 χ^2/NDF:13004690.2/49

Out: 638.802+/-0.084 χ^2/NDF:15007193.4/56

All: 635.635+/-0.060 χ^2/NDF: 28014770.7/10



Right In: -43.831+/-26.352 χ^2/NDF: 17.6/26

Left Out: 78.162+/-14.326 χ^2/NDF:53.9/24

Right Out: 15.626+/-25.871 χ^2/NDF: 54.0/31

Left In: 78.506+/-14.811 χ^2/NDF:36.7/22

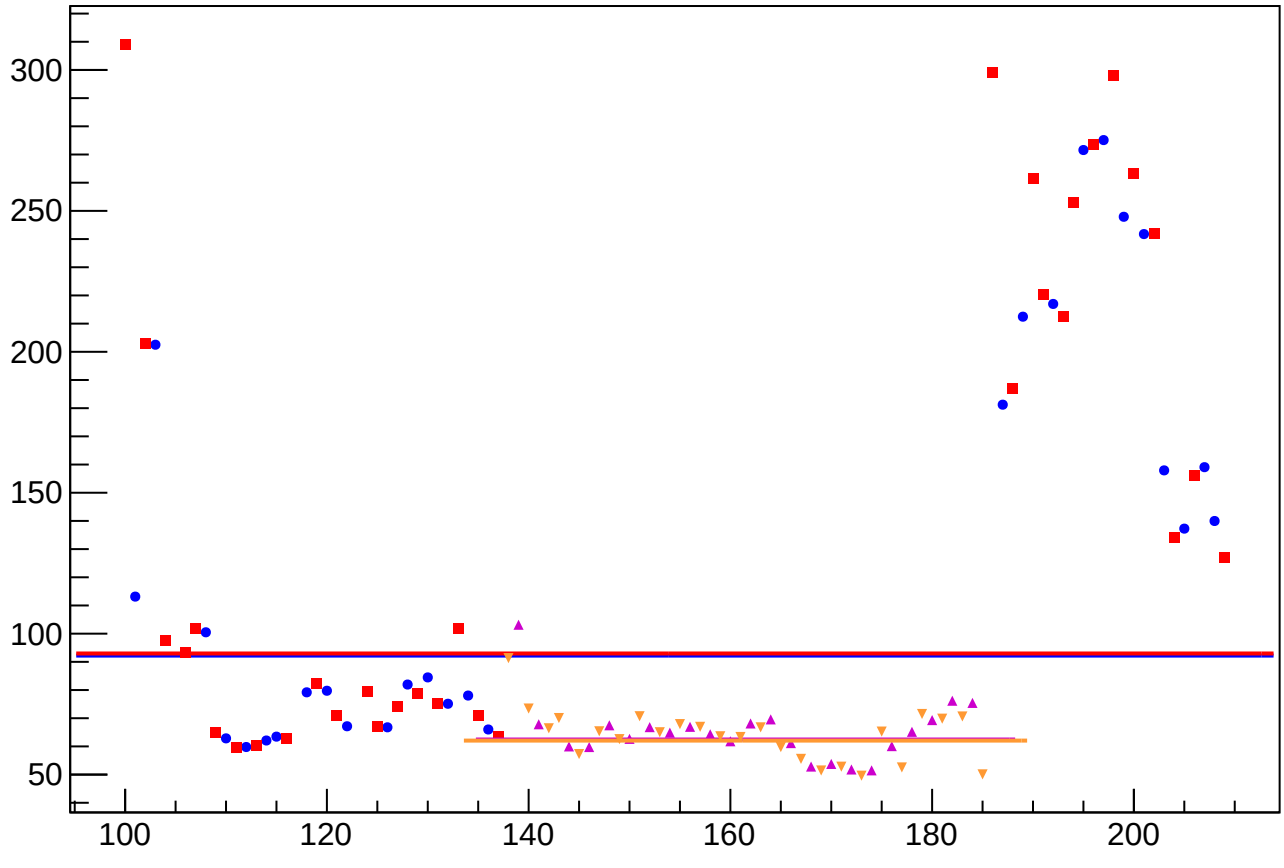
Left: 78.329+/-10.297 χ^2/NDF: 90.5/47

Right: -13.555+/-18.462 χ^2/NDF: 74.2/58

In: 49.138+/-12.912 χ^2/NDF:70.6/49

Out: 63.488+/-12.533 χ^2/NDF:112.4/56

All: 56.526+/-8.993 χ^2/NDF: 183.7/106



Right In: 92.222+/-0.019 χ^2/NDF: 6407826.7/26

Left Out: 62.063+/-0.010 χ^2/NDF:686530.2/24

Right Out: 92.967+/-0.018 χ^2/NDF: 7832546.3/31

Left In: 62.445+/-0.010 χ^2/NDF:664644.9/22

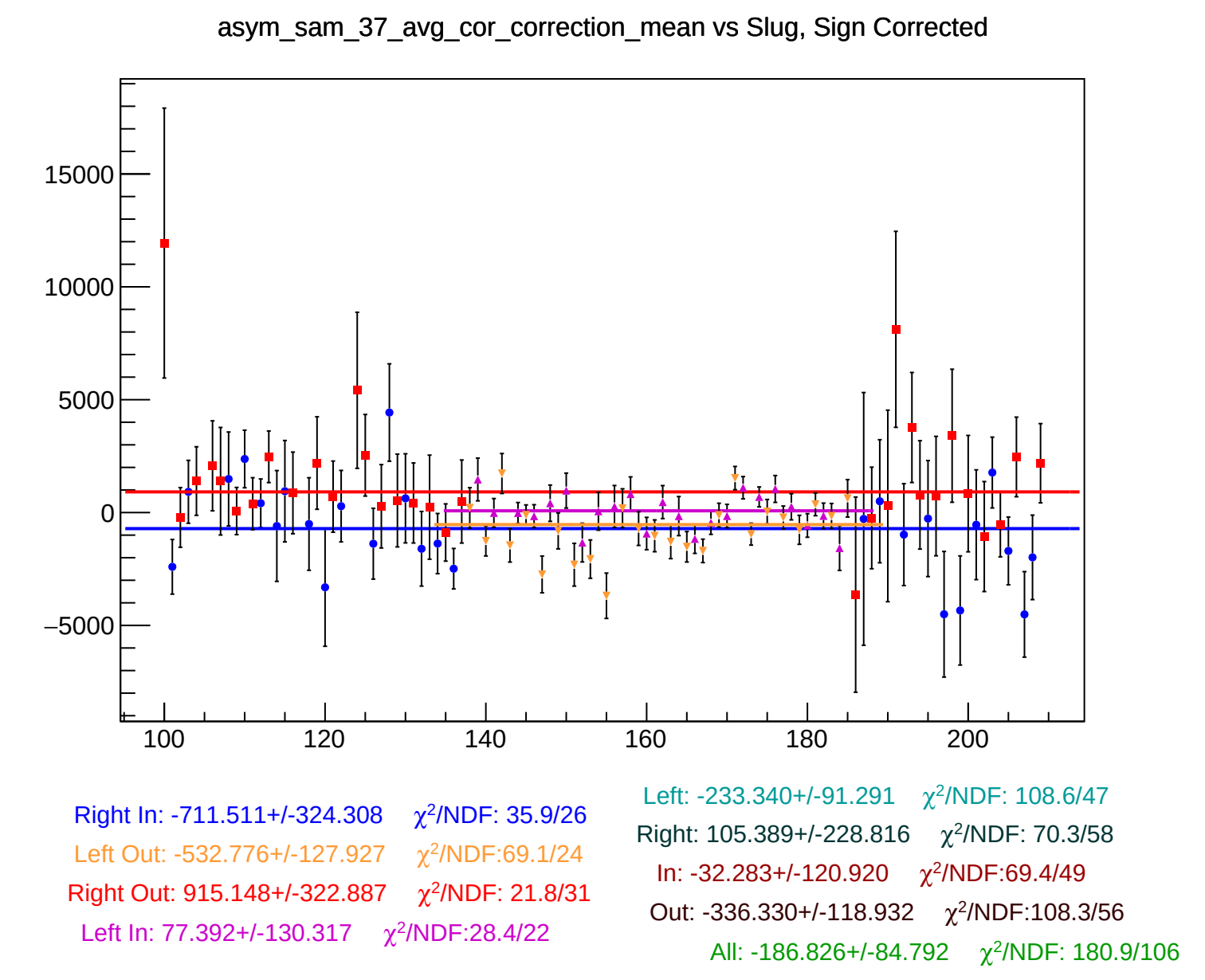
Left: 62.248+/-0.007 χ^2/NDF: 1351864.3/47

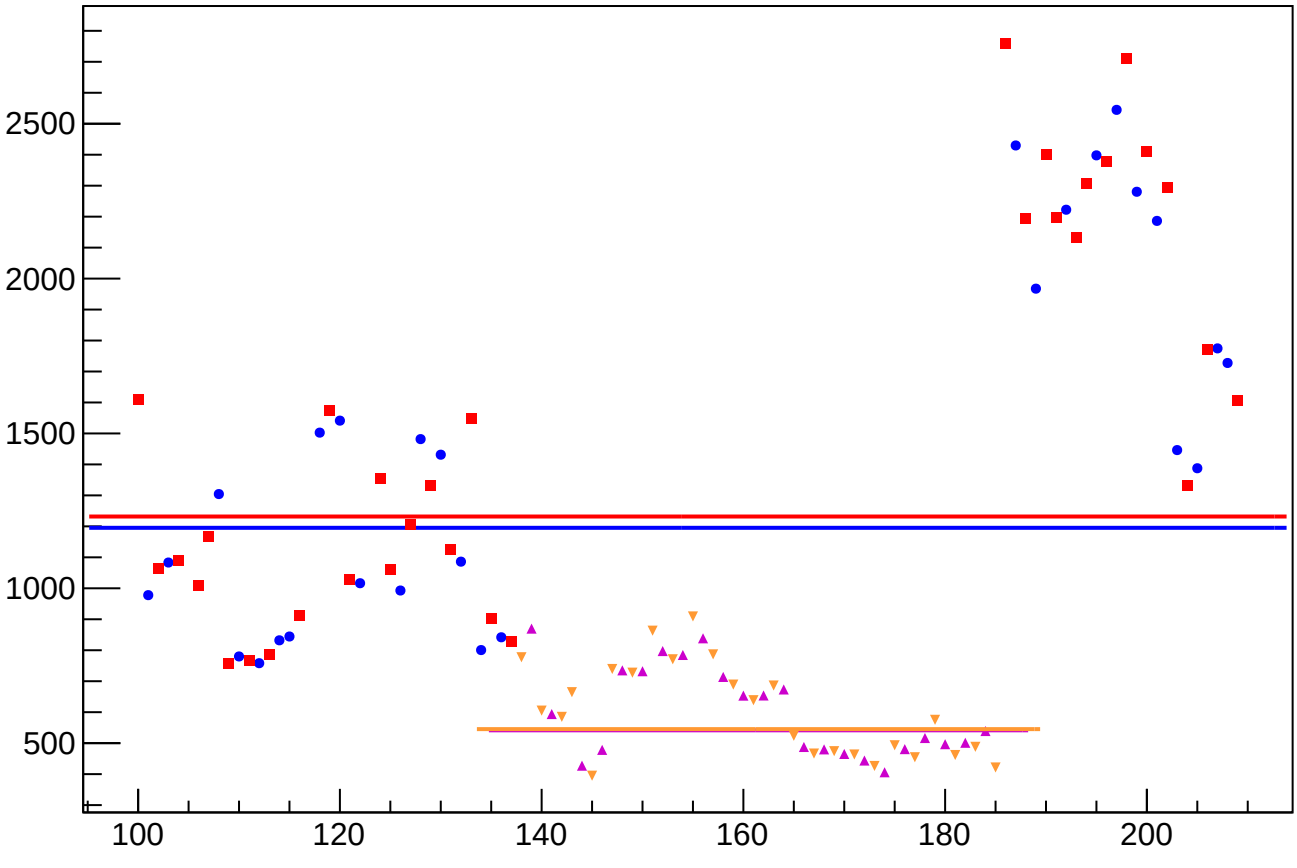
Right: 92.602+/-0.013 χ^2/NDF: 14241187.3/58

In: 69.594+/-0.009 χ^2/NDF:9013047.8/49

Out: 69.315+/-0.009 χ^2/NDF:10703278.4/56

All: 69.450+/-0.006 χ^2/NDF: 19716806.4/106


asym_sam_37_avg_cor_correction_mean vs Slug, Sign Corrected
15000
10000
5000
0
−5000
100
120
140
160
180
200
Right In: -711.511+/-324.308 χ²/NDF: 35.9/26
Left Out: -532.776+/-127.927 χ²/NDF:69.1/24
Right Out: 915.148+/-322.887 χ²/NDF: 21.8/31
Left In: 77.392+/-130.317 χ²/NDF:28.4/22
Left: -233.340+/-91.291 χ²/NDF: 108.6/47
Right: 105.389+/-228.816 χ²/NDF: 70.3/58
In: -32.283+/-120.920 χ²/NDF:69.4/49
Out: -336.330+/-118.932 χ²/NDF:108.3/56
All: -186.826+/-84.792 χ²/NDF: 180.9/106



Right In: 1195.323+/-0.229 χ^2/NDF: 4164612.3/26

Left Out: 545.304+/-0.090 χ^2/NDF:2083686.2/24

Right Out: 1231.785+/-0.228 χ^2/NDF: 5079746.3/31

Left In: 541.458+/-0.092 χ^2/NDF:1840342.7/22

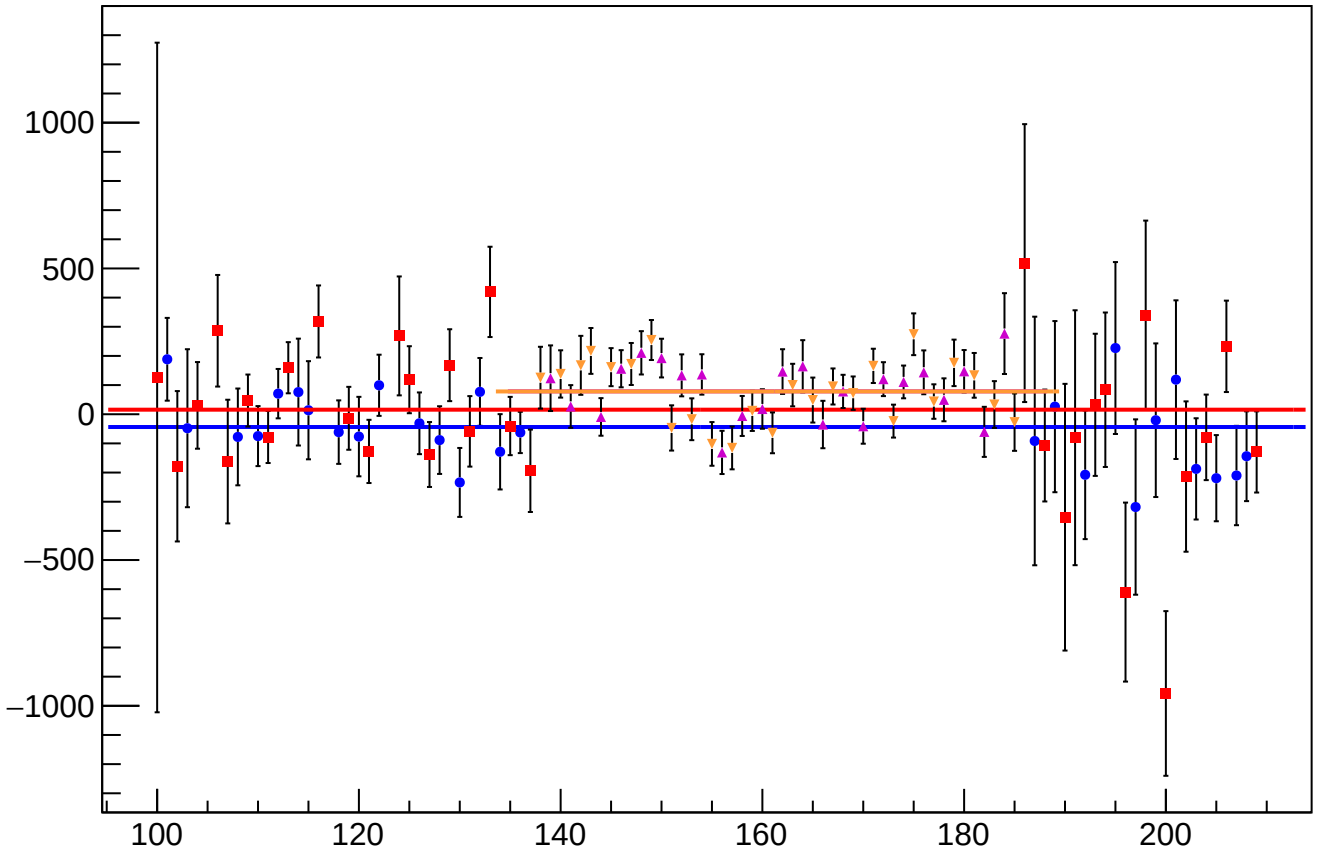
Left: 543.417+/-0.065 χ^2/NDF: 3924916.2/47

Right: 1213.634+/-0.162 χ^2/NDF: 9257054.5/58

In: 632.359+/-0.086 χ^2/NDF:13004745.9/49

Out: 638.442+/-0.084 χ^2/NDF:14977252.9/56

All: 635.451+/-0.060 χ^2/NDF: 27984571.2/10



Right In: -43.831+/-26.352 χ^2/NDF: 17.6/26

Left Out: 78.162+/-14.326 χ^2/NDF:53.9/24

Right Out: 15.626+/-25.871 χ^2/NDF: 54.0/31

Left In: 78.506+/-14.811 χ^2/NDF:36.7/22

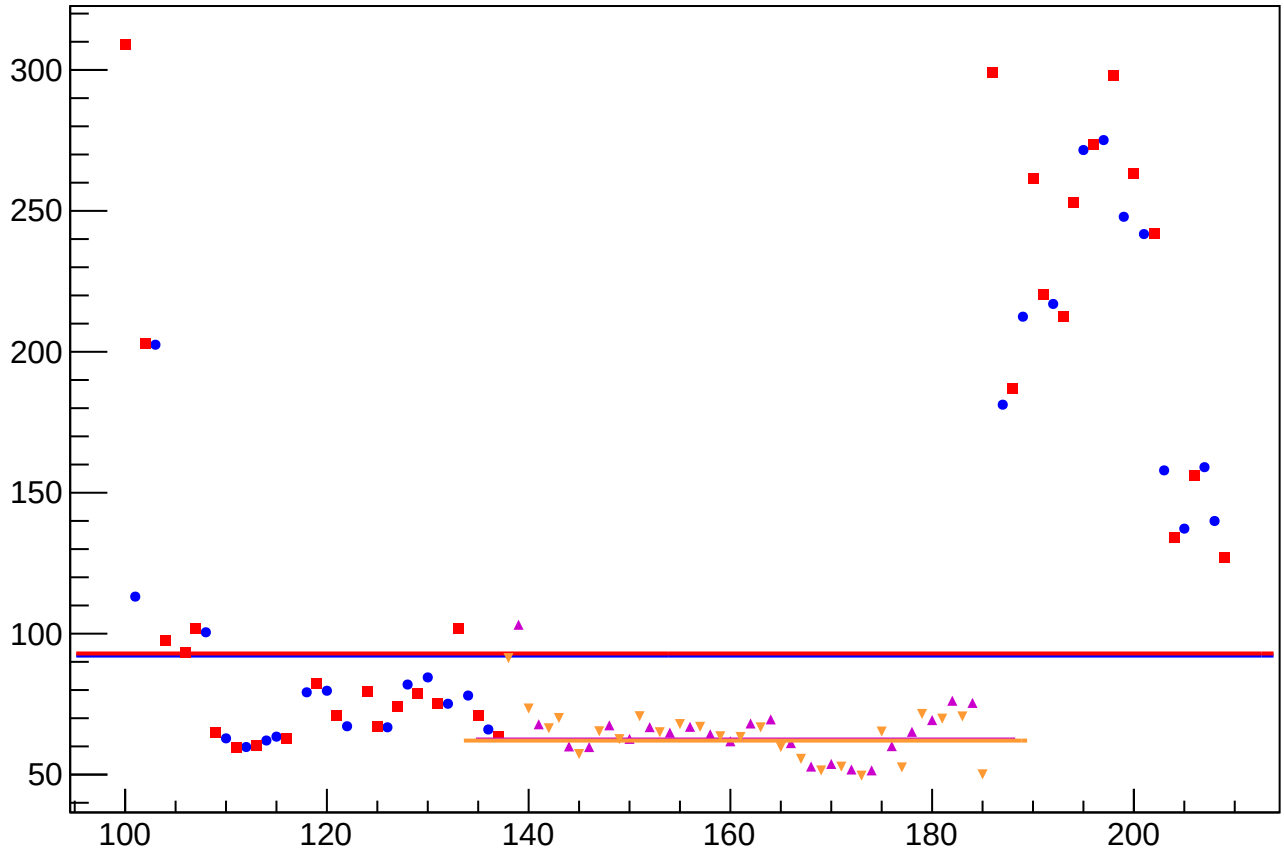
Left: 78.329+/-10.297 χ^2/NDF: 90.5/47

Right: -13.555+/-18.462 χ^2/NDF: 74.2/58

In: 49.138+/-12.912 χ^2/NDF:70.6/49

Out: 63.488+/-12.533 χ^2/NDF:112.4/56

All: 56.526+/-8.993 χ^2/NDF: 183.7/106



Right In: 92.222+/-0.019 χ^2/NDF: 6407826.7/26

Left Out: 62.063+/-0.010 χ^2/NDF:686530.2/24

Right Out: 92.967+/-0.018 χ^2/NDF: 7832546.3/31

Left In: 62.445+/-0.010 χ^2/NDF:664644.9/22

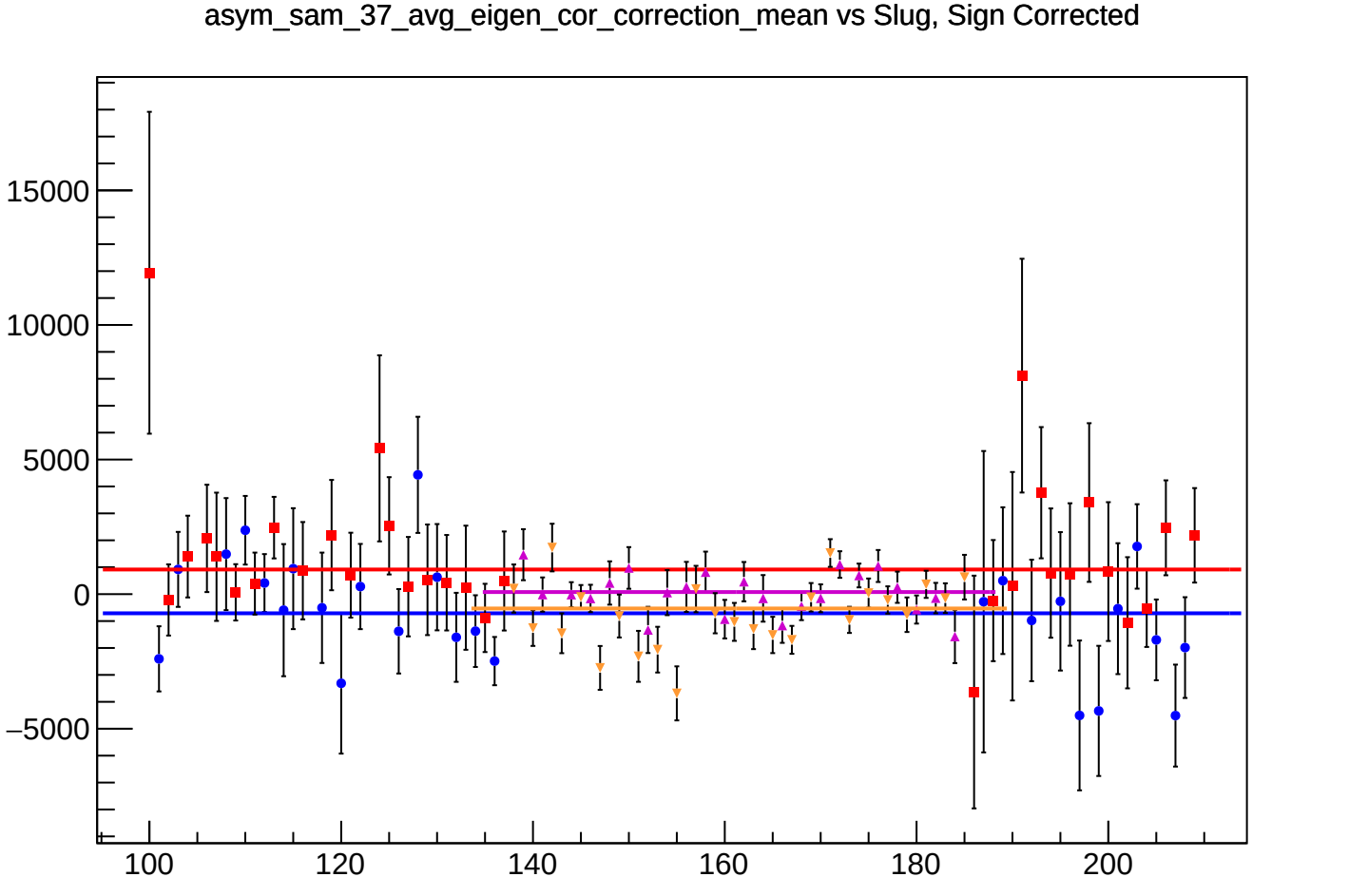
Left: 62.248+/-0.007 χ^2/NDF: 1351864.3/47

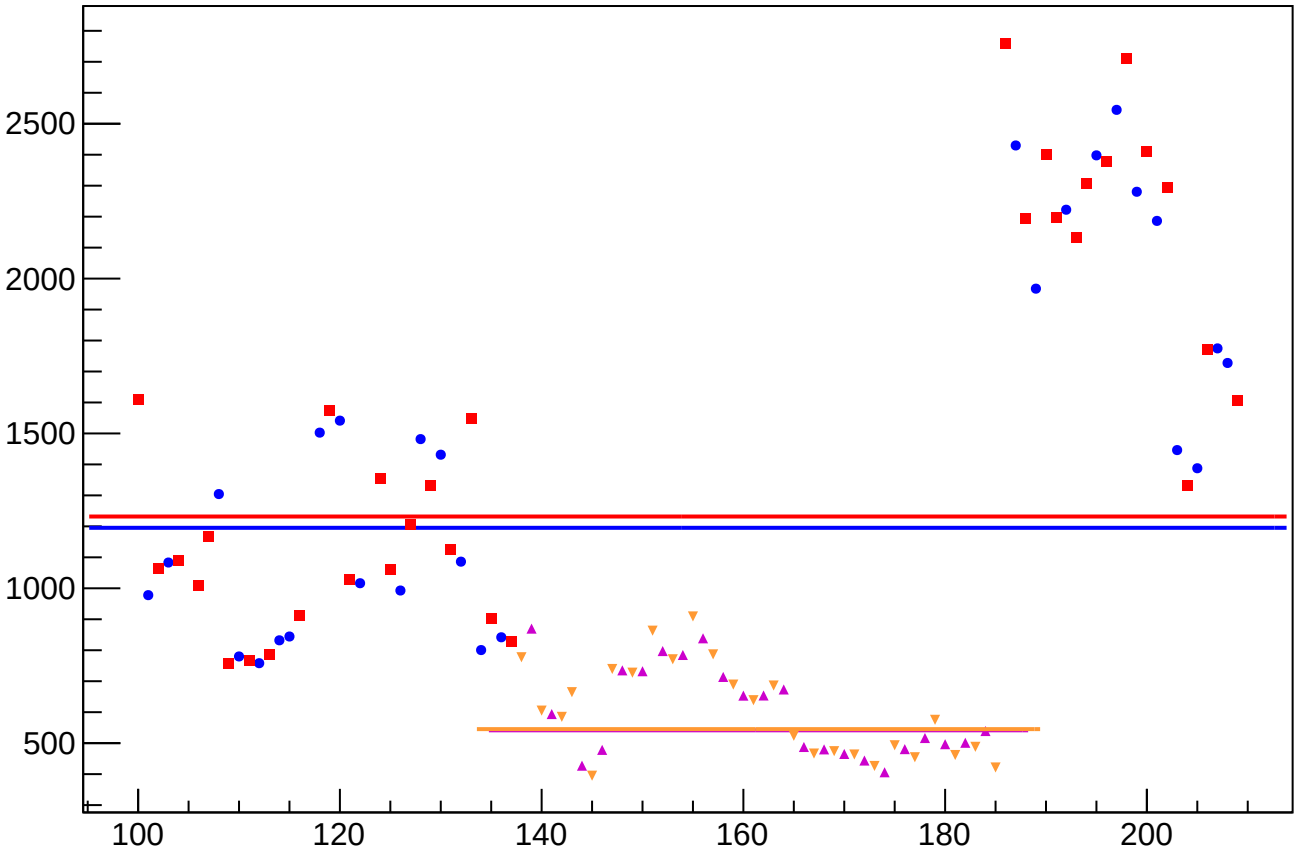
Right: 92.602+/-0.013 χ^2/NDF: 14241187.3/58

In: 69.594+/-0.009 χ^2/NDF:9013047.8/49

Out: 69.315+/-0.009 χ^2/NDF:10703278.4/56

All: 69.450+/-0.006 χ^2/NDF: 19716806.4/106


asym_sam_37_avg_eigen_cor_correction_mean vs Slug, Sign Corrected
15000
10000
5000
0
−5000
100
120
140
160
180
200
Right In: -711.511+/-324.308 χ²/NDF: 35.9/26
Left Out: -532.776+/-127.927 χ²/NDF:69.1/24
Right Out: 915.148+/-322.887 χ²/NDF: 21.8/31
Left In: 77.392+/-130.317 χ²/NDF:28.4/22
Left: -233.340+/-91.291 χ²/NDF: 108.6/47
Right: 105.389+/-228.816 χ²/NDF: 70.3/58
In: -32.283+/-120.920 χ²/NDF:69.4/49
Out: -336.330+/-118.932 χ²/NDF:108.3/56
All: -186.826+/-84.792 χ²/NDF: 180.9/106



Right In: 1195.323+/-0.229 χ^2/NDF: 4164612.3/26

Left Out: 545.304+/-0.090 χ^2/NDF:2083686.2/24

Right Out: 1231.785+/-0.228 χ^2/NDF: 5079746.3/31

Left In: 541.458+/-0.092 χ^2/NDF:1840342.7/22

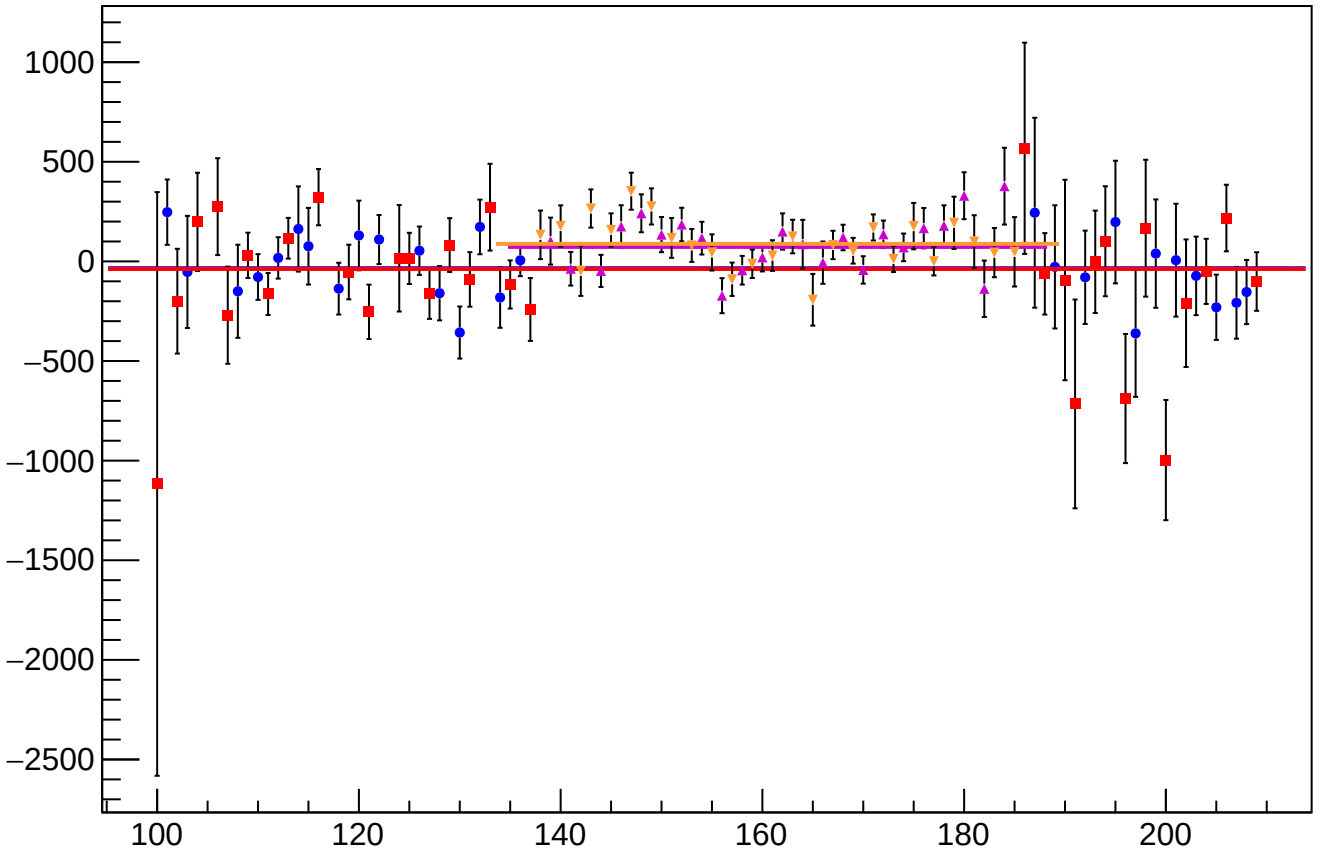
Left: 543.417+/-0.065 χ^2/NDF: 3924916.2/47

Right: 1213.634+/-0.162 χ^2/NDF: 9257054.5/58

In: 632.359+/-0.086 χ^2/NDF:13004745.9/49

Out: 638.442+/-0.084 χ^2/NDF:14977252.9/56

All: 635.451+/-0.060 χ^2/NDF: 27984571.2/10



Right In: -34.352+/-30.301 χ^2/NDF: 23.6/26

Left Out: 88.040+/-17.745 χ^2/NDF:36.9/24

Right Out: -37.861+/-30.386 χ^2/NDF: 44.3/31

Left In: 72.849+/-18.276 χ^2/NDF:38.4/22

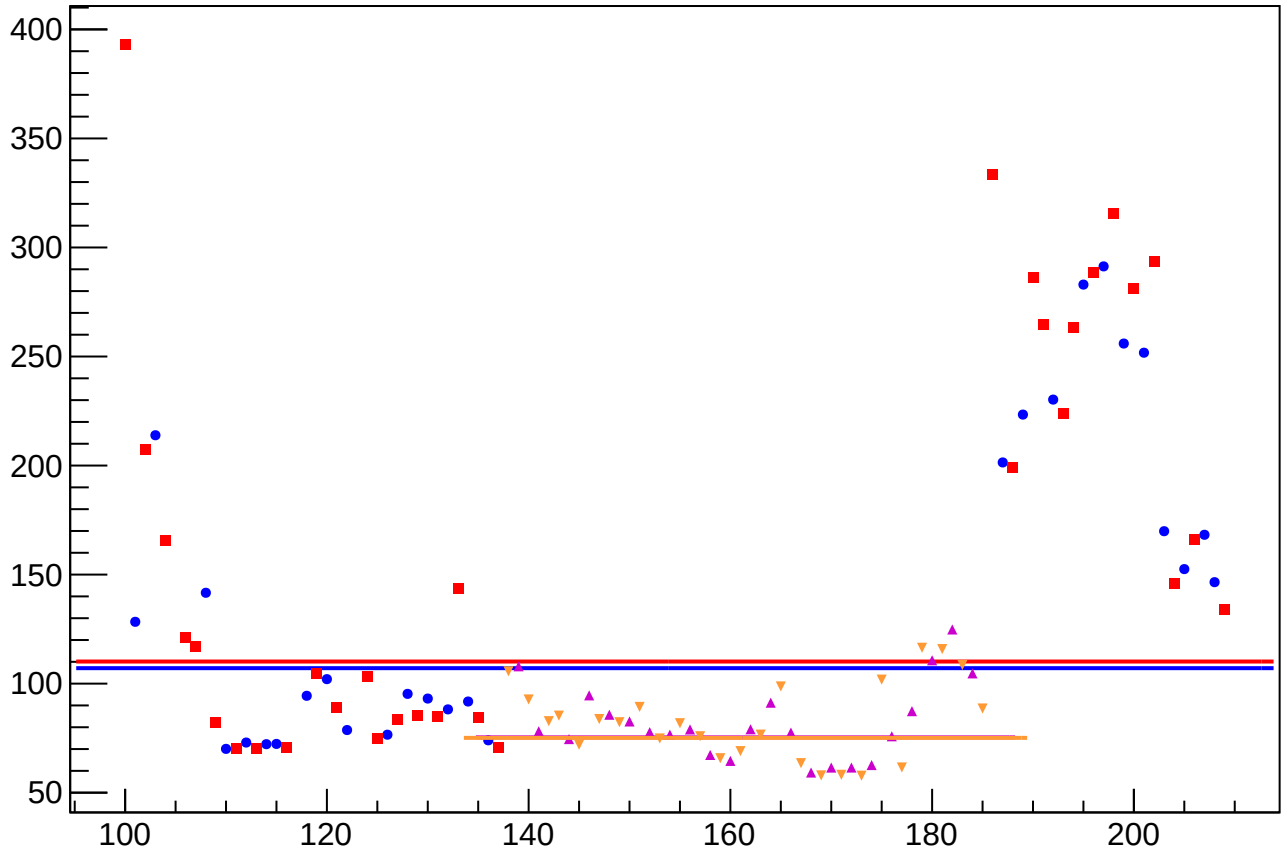
Left: 80.668+/-12.731 χ^2/NDF: 75.7/47

Right: -36.101+/-21.456 χ^2/NDF: 67.9/58

In: 44.254+/-15.650 χ^2/NDF:71.2/49

Out: 56.024+/-15.323 χ^2/NDF:94.0/56

All: 50.263+/-10.949 χ^2/NDF: 165.5/106



Right In: 107.089+/-0.021 χ^2/NDF: 5664502.9/26

Left Out: 75.128+/-0.013 χ^2/NDF:1601461.8/24

Right Out: 110.138+/-0.021 χ^2/NDF: 7154300.3/31

Left In: 75.363+/-0.013 χ^2/NDF:1225318.4/22

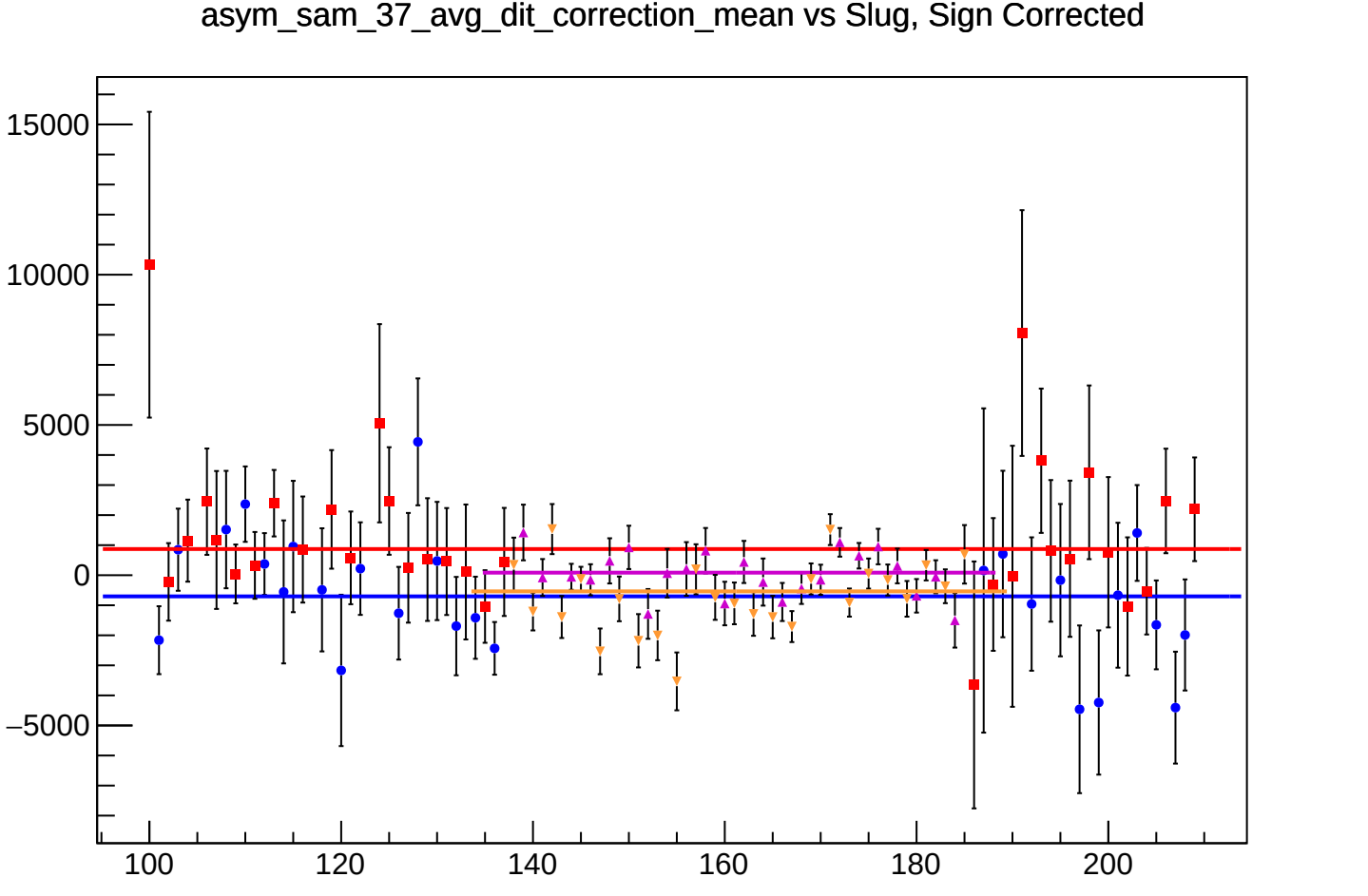
Left: 75.242+/-0.009 χ^2/NDF: 2826950.4/47

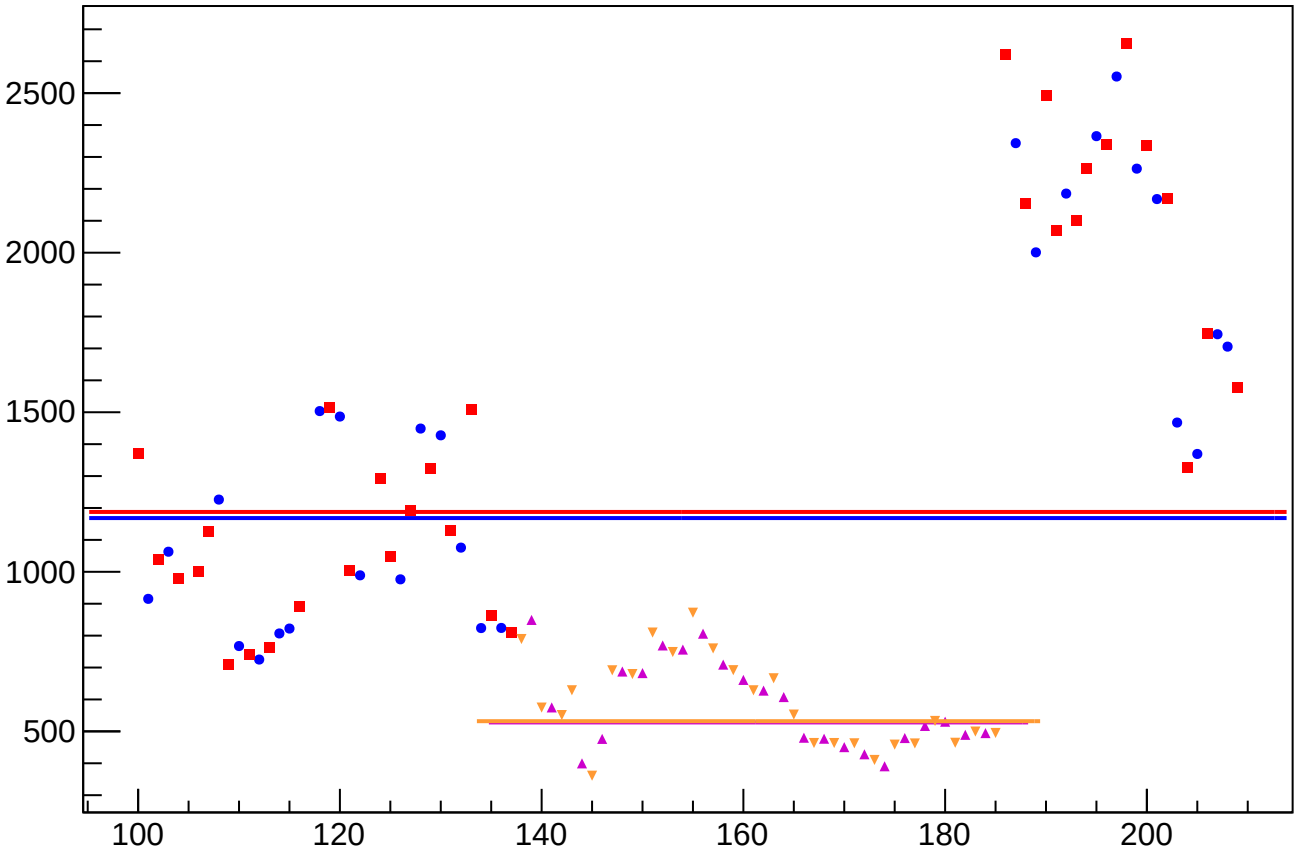
Right: 108.609+/-0.015 χ^2/NDF: 12828898.9/58

In: 83.825+/-0.011 χ^2/NDF:8497455.7/49

Out: 84.031+/-0.011 χ^2/NDF:10735533.9/56

All: 83.930+/-0.008 χ^2/NDF: 19233165.4/106


asym_sam_37_avg_dit_correction_mean vs Slug, Sign Corrected
15000
10000
5000
0
−5000
100
120
140
160
180
200
Right In: -704.174+/-317.642 χ²/NDF: 35.1/26
Left Out: -536.789+/-124.471 χ²/NDF:67.0/24
Right Out: 871.235+/-311.523 χ²/NDF: 23.7/31
Left In: 84.668+/-127.039 χ²/NDF:27.5/22
Left: -232.405+/-88.909 χ²/NDF: 106.7/47
Right: 98.851+/-222.412 χ²/NDF: 71.3/58
In: -24.112+/-117.955 χ²/NDF:67.9/49
Out: -342.949+/-115.586 χ²/NDF:108.3/56
All: -186.764+/-82.557 χ²/NDF: 180.0/106



Right In: 1168.378+/-0.225 χ^2/NDF: 4304546.7/26

Left Out: 531.872+/-0.088 χ^2/NDF:2037750.0/24

Right Out: 1187.577+/-0.220 χ^2/NDF: 5265424.9/31

Left In: 527.986+/-0.090 χ^2/NDF:1800455.5/22

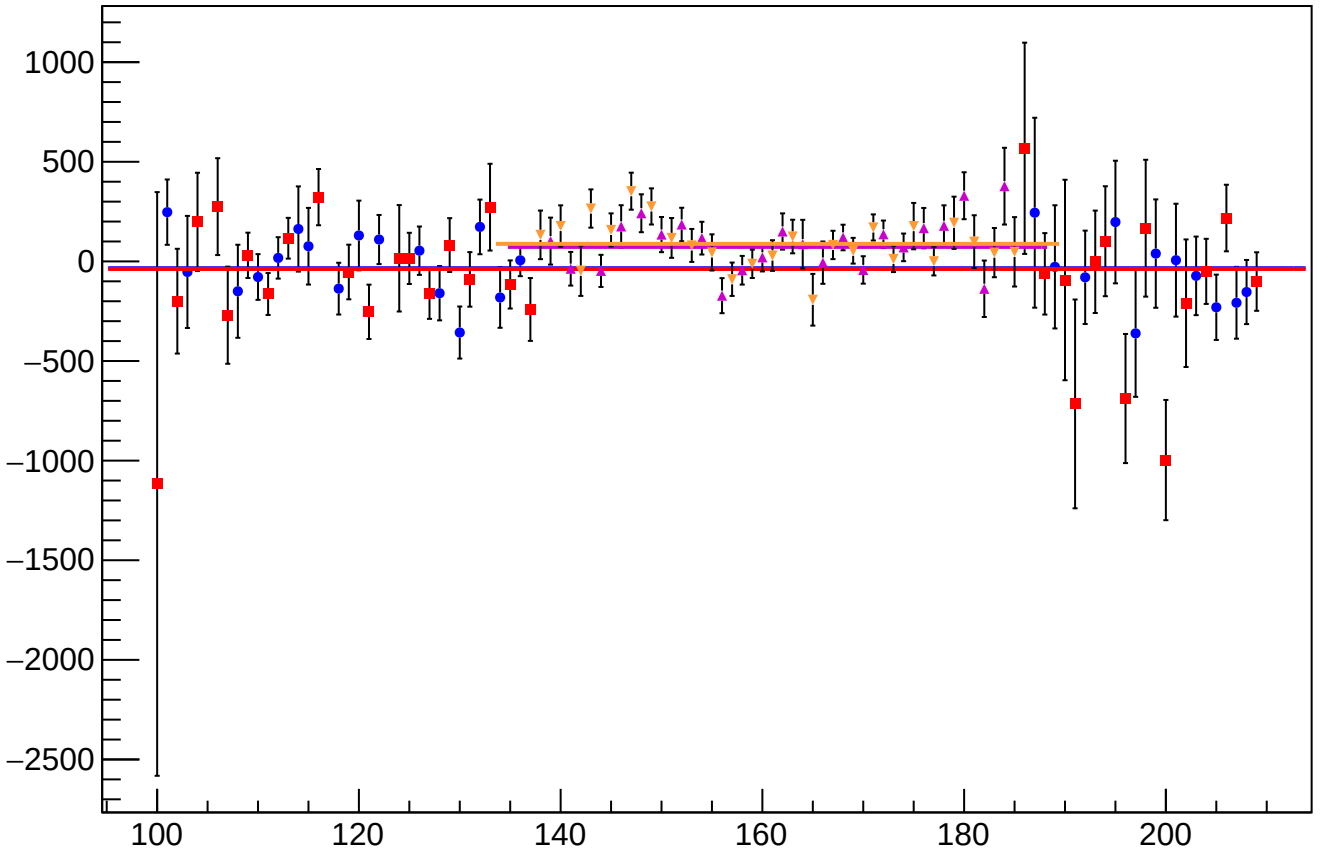
Left: 529.969+/-0.063 χ^2/NDF: 3839160.5/47

Right: 1178.164+/-0.157 χ^2/NDF: 9573695.8/58

In: 616.295+/-0.083 χ^2/NDF:13113162.4/49

Out: 622.142+/-0.082 χ^2/NDF:14943996.4/56

All: 619.277+/-0.058 χ^2/NDF: 28059666.0/10



Right In: -34.352+/-30.301 χ^2/NDF: 23.6/26

Left Out: 88.040+/-17.745 χ^2/NDF:36.9/24

Right Out: -37.864+/-30.386 χ^2/NDF: 44.3/31

Left In: 72.848+/-18.276 χ^2/NDF:38.4/22

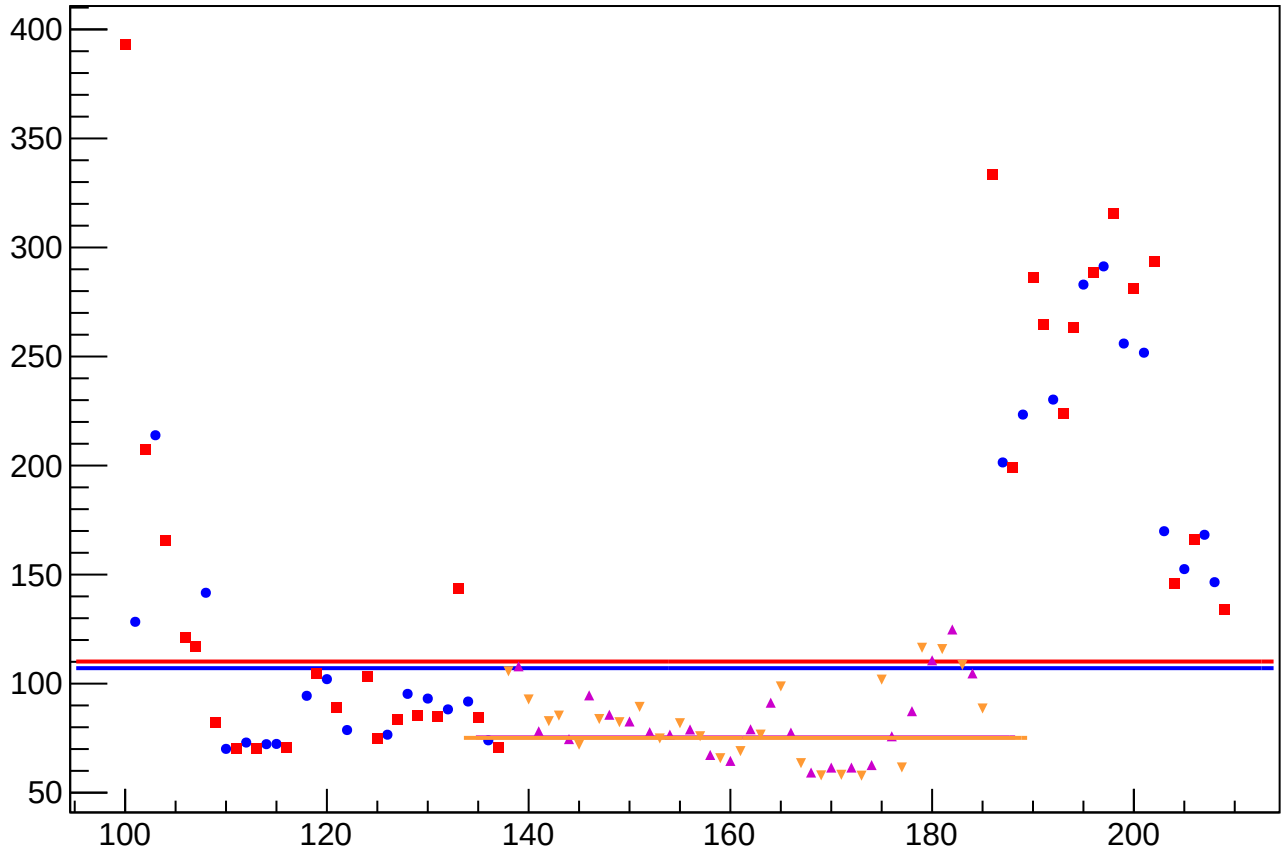
Left: 80.668+/-12.731 χ^2/NDF: 75.7/47

Right: -36.103+/-21.456 χ^2/NDF: 67.9/58

In: 44.254+/-15.650 χ^2/NDF:71.2/49

Out: 56.023+/-15.323 χ^2/NDF:94.0/56

All: 50.263+/-10.949 χ^2/NDF: 165.5/106



Right In: 107.089+/-0.021 χ^2/NDF: 5664465.5/26

Left Out: 75.128+/-0.013 χ^2/NDF:1601462.6/24

Right Out: 110.138+/-0.021 χ^2/NDF: 7154263.7/31

Left In: 75.363+/-0.013 χ^2/NDF:1225319.2/22

Left: 75.242+/-0.009 χ^2/NDF: 2826952.0/47

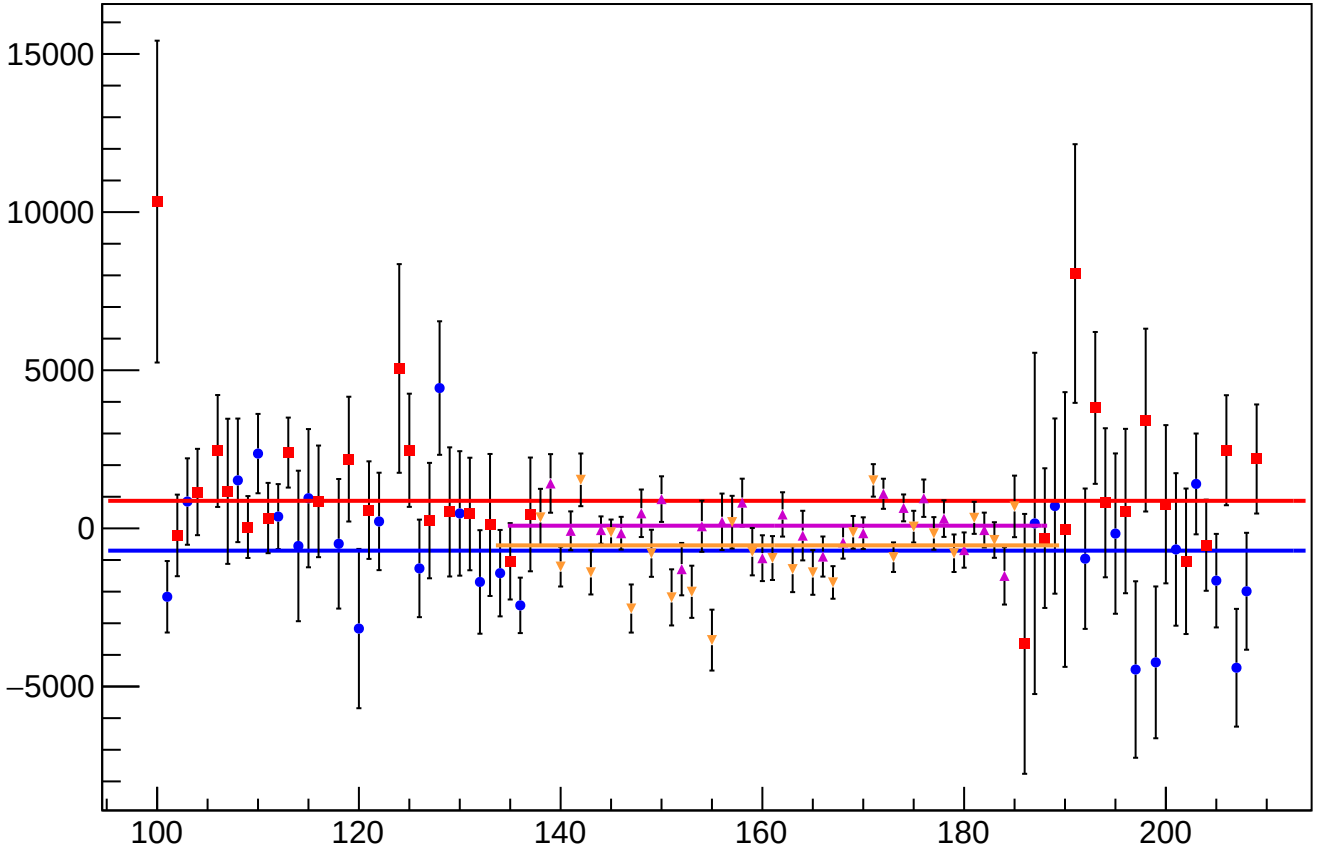
Right: 108.609+/-0.015 χ^2/NDF: 12828825.4/58

In: 83.826+/-0.011 χ^2/NDF:8497430.2/49

Out: 84.031+/-0.011 χ^2/NDF:10735514.7/56

All: 83.931+/-0.008 χ^2/NDF: 19233120.7/106

asym_sam_37_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -704.171+/-317.642 χ^2/NDF: 35.1/26

Left Out: -536.790+/-124.471 χ^2/NDF:67.0/24

Right Out: 871.234+/-311.523 χ^2/NDF: 23.7/31

Left In: 84.668+/-127.039 χ^2/NDF:27.5/22

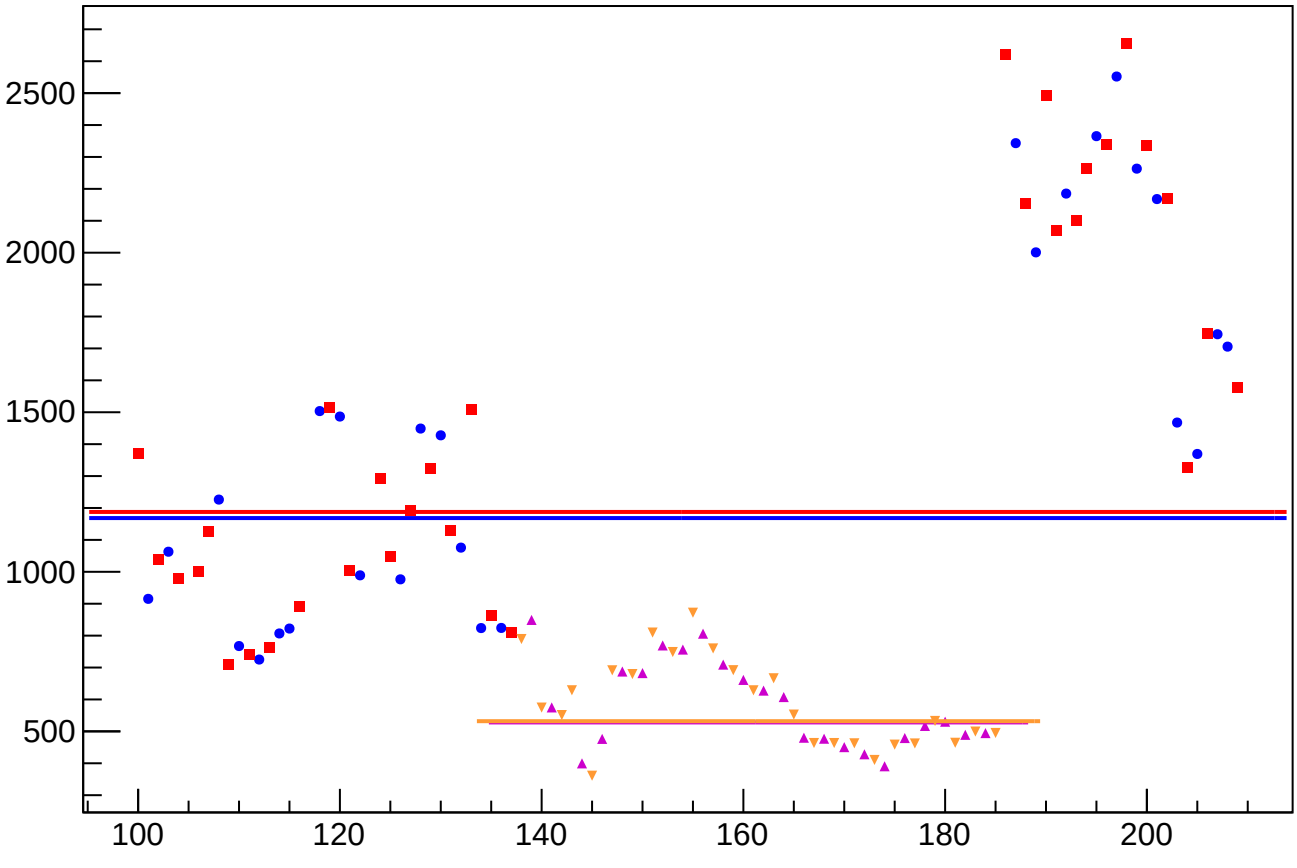
Left: -232.405+/-88.909 χ^2/NDF: 106.7/47

Right: 98.852+/-222.412 χ^2/NDF: 71.3/58

In: -24.112+/-117.955 χ^2/NDF:67.9/49

Out: -342.950+/-115.586 χ^2/NDF:108.3/56

All: -186.764+/-82.557 χ^2/NDF: 180.0/106



Right In: 1168.376+/-0.225 χ^2/NDF: 4304557.6/26

Left Out: 531.872+/-0.088 χ^2/NDF:2037744.9/24

Right Out: 1187.575+/-0.220 χ^2/NDF: 5265434.3/31

Left In: 527.986+/-0.090 χ^2/NDF:1800449.7/22

Left: 529.968+/-0.063 χ^2/NDF: 3839149.6/47

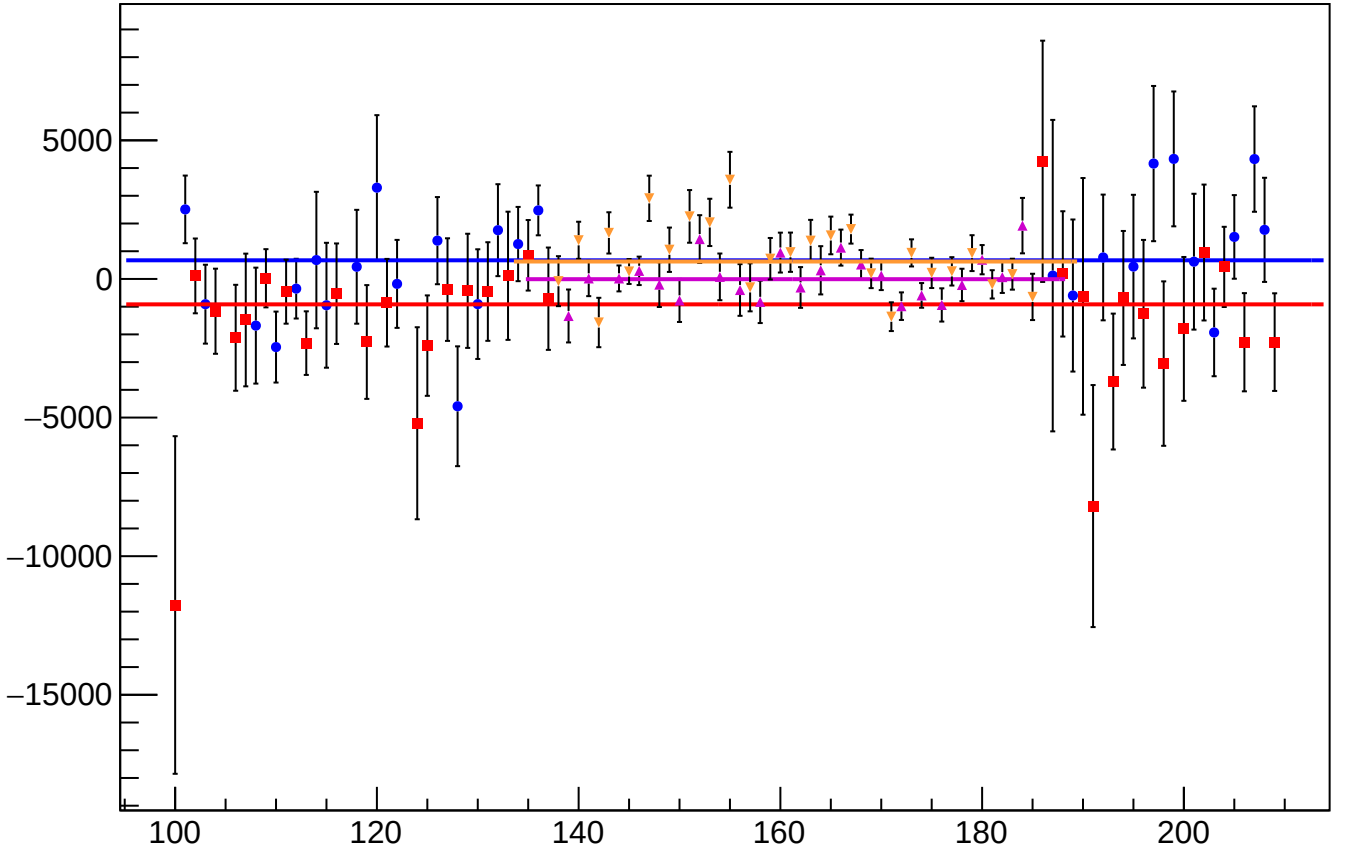
Right: 1178.162+/-0.157 χ^2/NDF: 9573716.1/58

In: 616.294+/-0.083 χ^2/NDF:13113148.4/49

Out: 622.141+/-0.082 χ^2/NDF:14943981.7/56

All: 619.277+/-0.058 χ^2/NDF: 28059637.1/10

asym_sam_37_avg_mean vs Slug, Sign Corrected



Right In: 672.564+/-325.947 χ^2/NDF: 36.0/26

Left Out: 629.379+/-128.853 χ^2/NDF:64.9/24

Right Out: -916.488+/-324.054 χ^2/NDF: 20.7/31

Left In: -8.460+/-131.289 χ^2/NDF:27.3/22

Left: 316.431+/-91.962 χ^2/NDF: 104.2/47

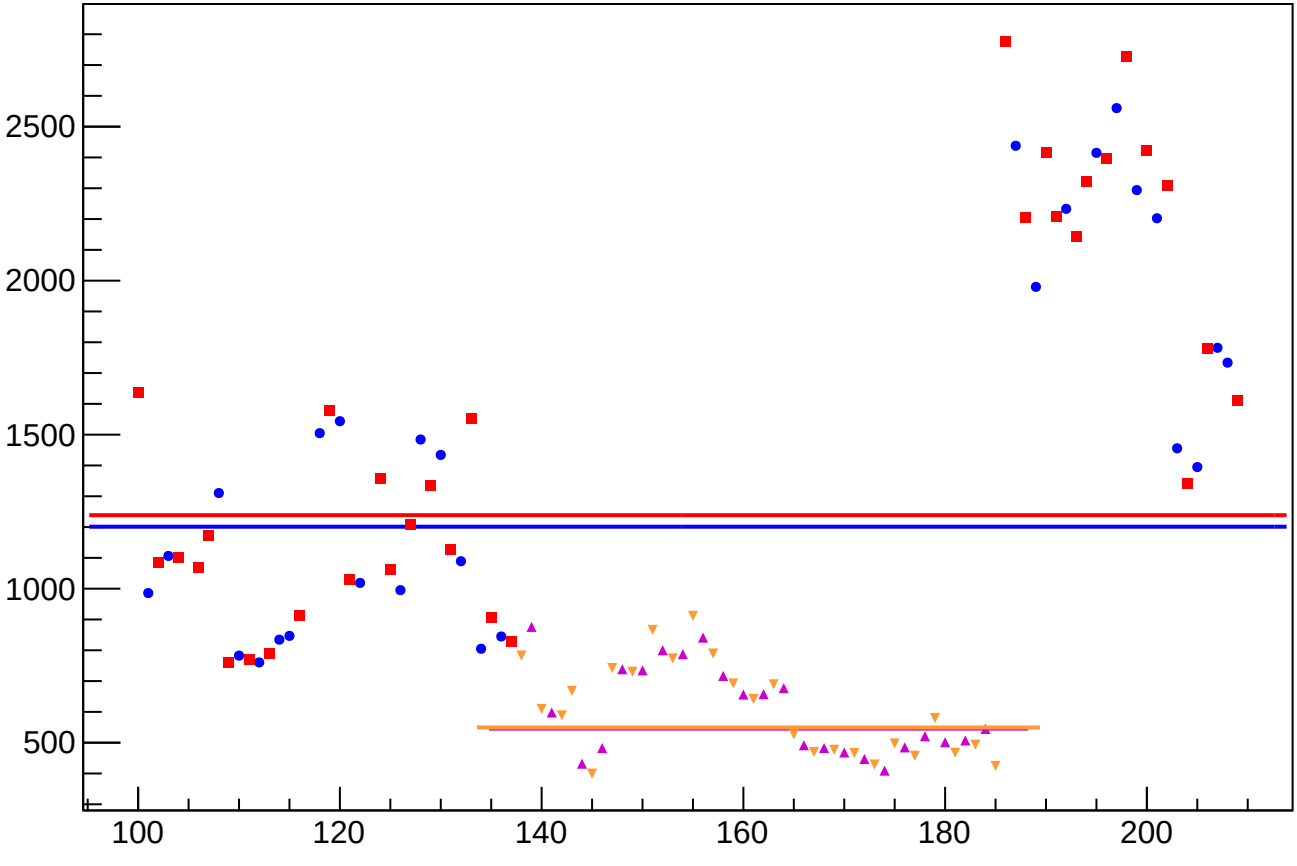
Right: -126.589+/-229.807 χ^2/NDF: 68.7/58

In: 86.607+/-121.781 χ^2/NDF:67.1/49

Out: 418.332+/-119.735 χ^2/NDF:105.3/56

All: 255.280+/-85.380 χ^2/NDF: 176.1/106

asym_sam_37_avg_rms vs Slug, Sign Corrected



Right In: 1201.218+/-0.230 χ^2/NDF: 4171314.1/26

Left Out: 549.475+/-0.091 χ^2/NDF:2053905.8/24

Right Out: 1238.650+/-0.229 χ^2/NDF: 5080732.6/31

Left In: 545.708+/-0.093 χ^2/NDF:1814508.3/22

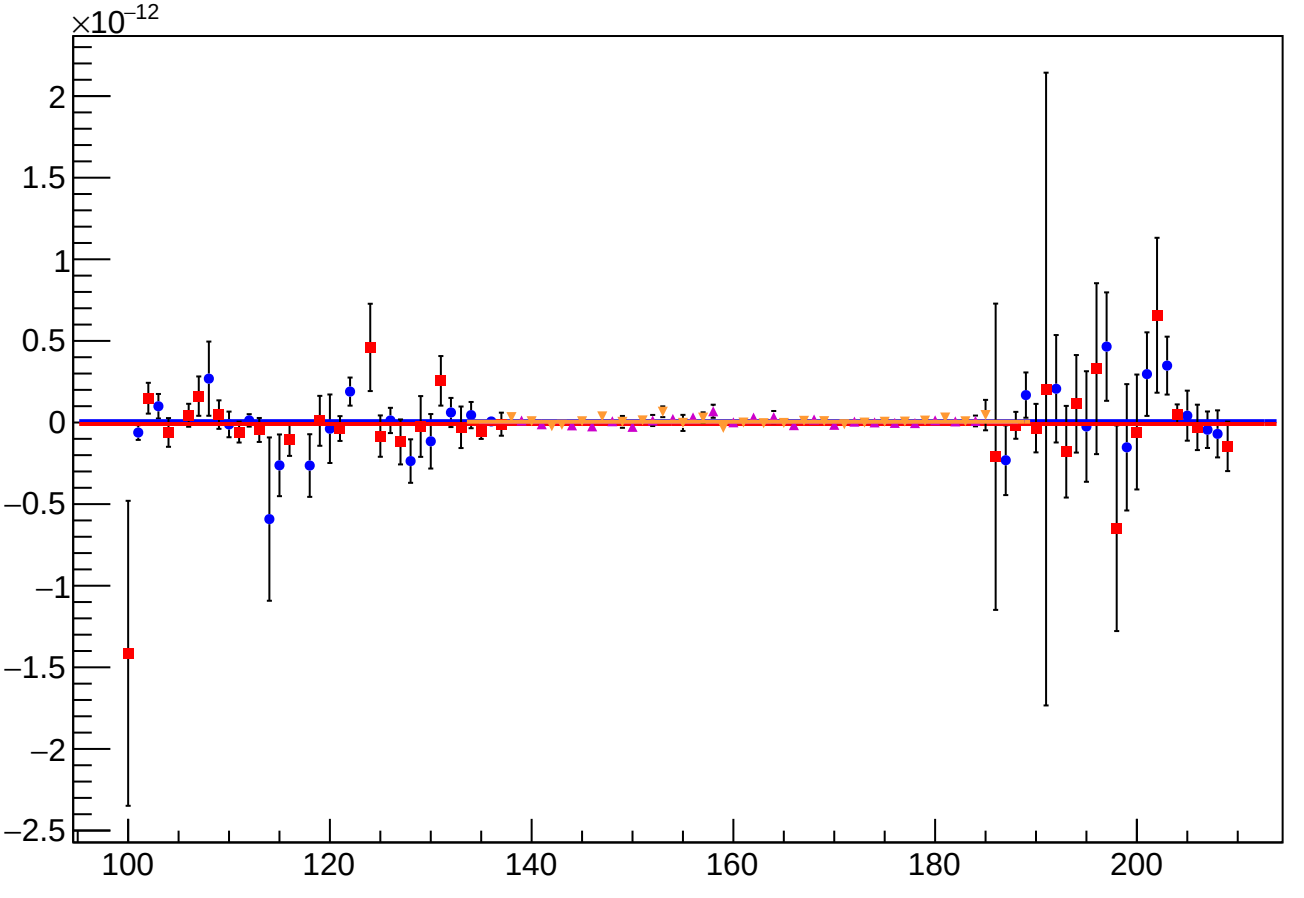
Left: 547.627+/-0.065 χ^2/NDF: 3869252.6/47

Right: 1220.043+/-0.162 χ^2/NDF: 9265311.6/58

In: 637.214+/-0.086 χ^2/NDF:12945661.6/49

Out: 643.563+/-0.085 χ^2/NDF:14945615.7/56

All: 640.442+/-0.060 χ^2/NDF: 27894041.7/10



Right In: 0.000+/-0.000 χ^2/NDF: 30.2/26

Left Out: 0.000+/-0.000 χ^2/NDF:15.6/24

Right Out: -0.000+/-0.000 χ^2/NDF: 24.4/31

Left In: 0.000+/-0.000 χ^2/NDF:20.0/22

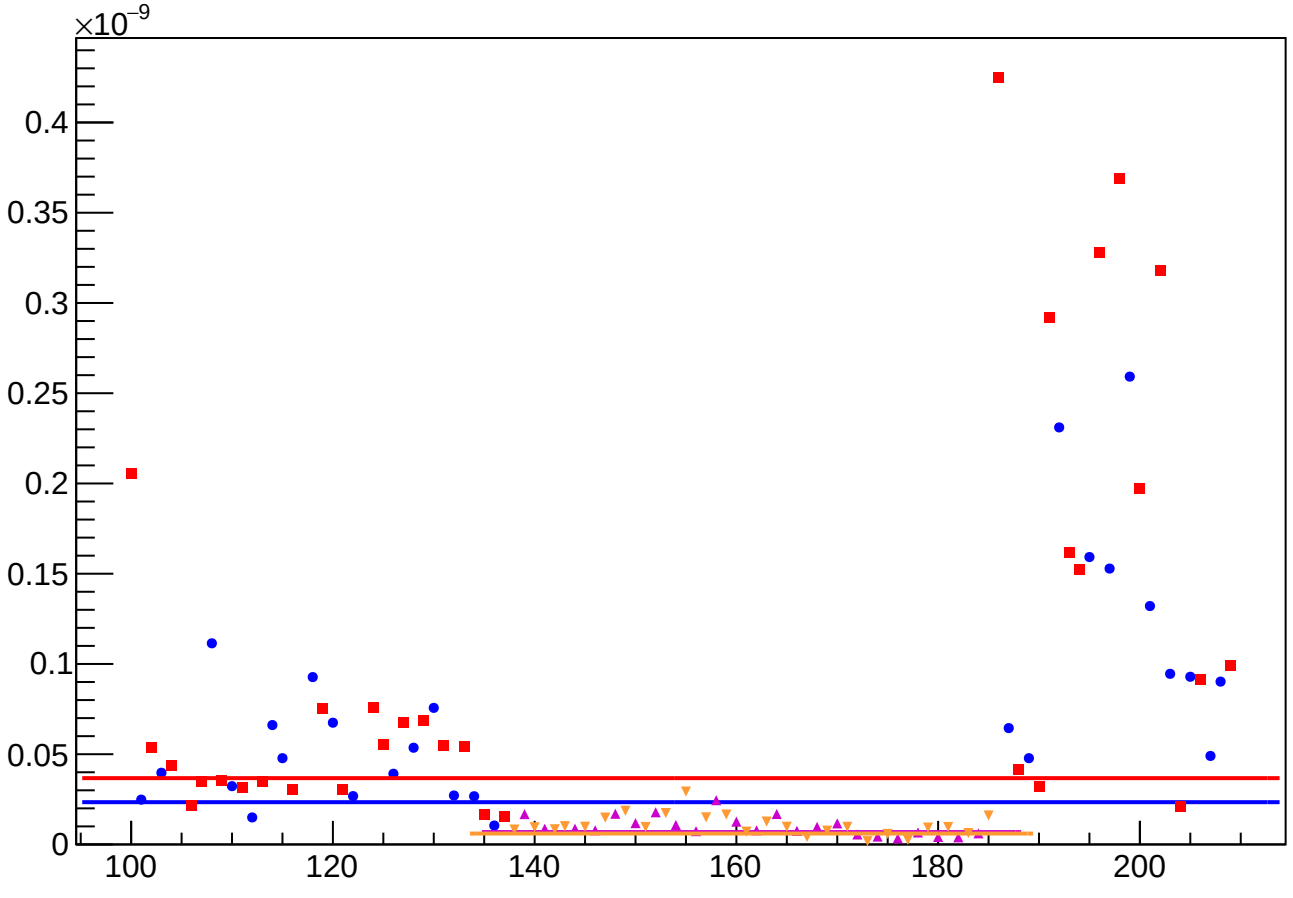
Left: 0.000+/-0.000 χ^2/NDF: 35.9/47

Right: 0.000+/-0.000 χ^2/NDF: 55.2/58

In: 0.000+/-0.000 χ^2/NDF:50.4/49

Out: 0.000+/-0.000 χ^2/NDF:40.6/56

All: 0.000+/-0.000 χ^2/NDF: 91.1/106



Right In: 0.000+/-0.000 χ^2/NDF: 6072560.3/26

Left Out: 0.000+/-0.000 χ^2/NDF:3623754.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 5421174.3/31

Left In: 0.000+/-0.000 χ^2/NDF:2417942.7/22

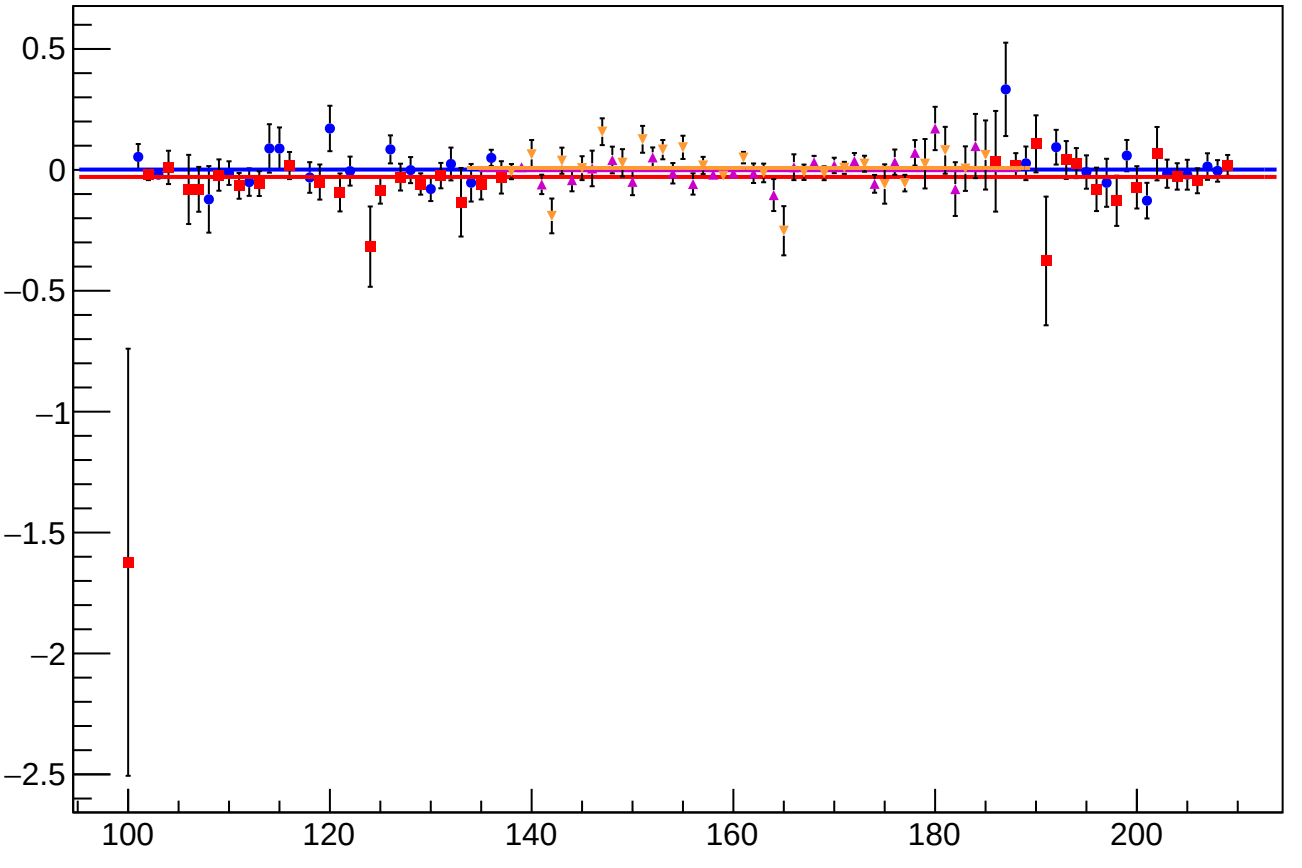
Left: 0.000+/-0.000 χ^2/NDF: 6106655.5/47

Right: 0.000+/-0.000 χ^2/NDF: 12156248.5/58

In: 0.000+/-0.000 χ^2/NDF:11145292.0/49

Out: 0.000+/-0.000 χ^2/NDF:14437222.0/56

All: 0.000+/-0.000 χ^2/NDF: 25665190.8/106



Right In: 0.001+/-0.010 χ^2/NDF: 25.7/26

Left Out: 0.008+/-0.008 χ^2/NDF:47.6/24

Right Out: -0.029+/-0.011 χ^2/NDF: 20.9/31

Left In: -0.001+/-0.007 χ^2/NDF:25.1/22

Left: 0.003+/-0.005 χ^2/NDF: 73.6/47

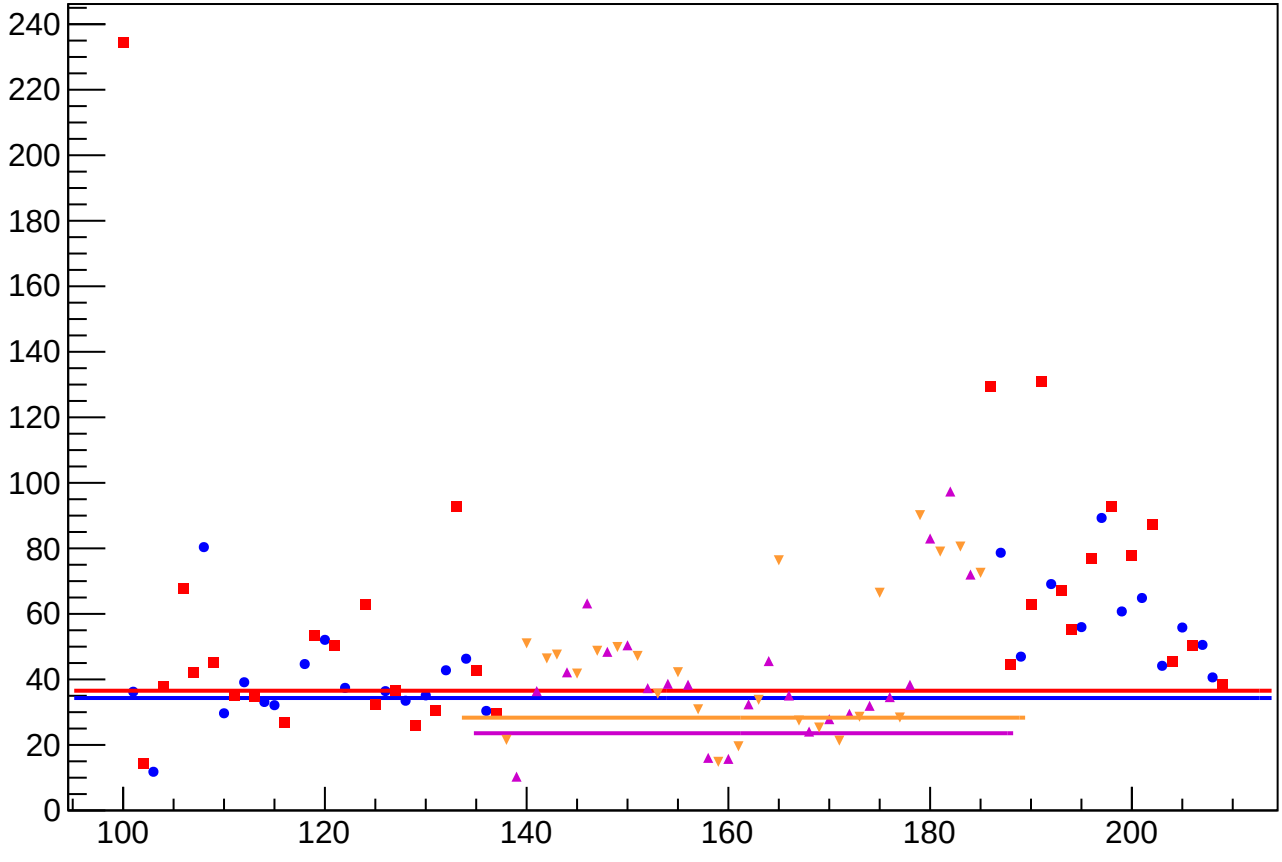
Right: -0.014+/-0.007 χ^2/NDF: 50.9/58

In: -0.001+/-0.006 χ^2/NDF:50.9/49

Out: -0.005+/-0.006 χ^2/NDF:76.6/56

All: -0.002+/-0.004 χ^2/NDF: 127.7/106

asym_sam_37_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 34.320+/-0.007 χ^2/NDF: 5769887.7/26

Left Out: 28.325+/-0.005 χ^2/NDF:6788307.1/24

Right Out: 36.548+/-0.008 χ^2/NDF: 6516145.3/31

Left In: 23.572+/-0.005 χ^2/NDF:8263833.7/22

Left: 25.694+/-0.004 χ^2/NDF: 15487591.2/47

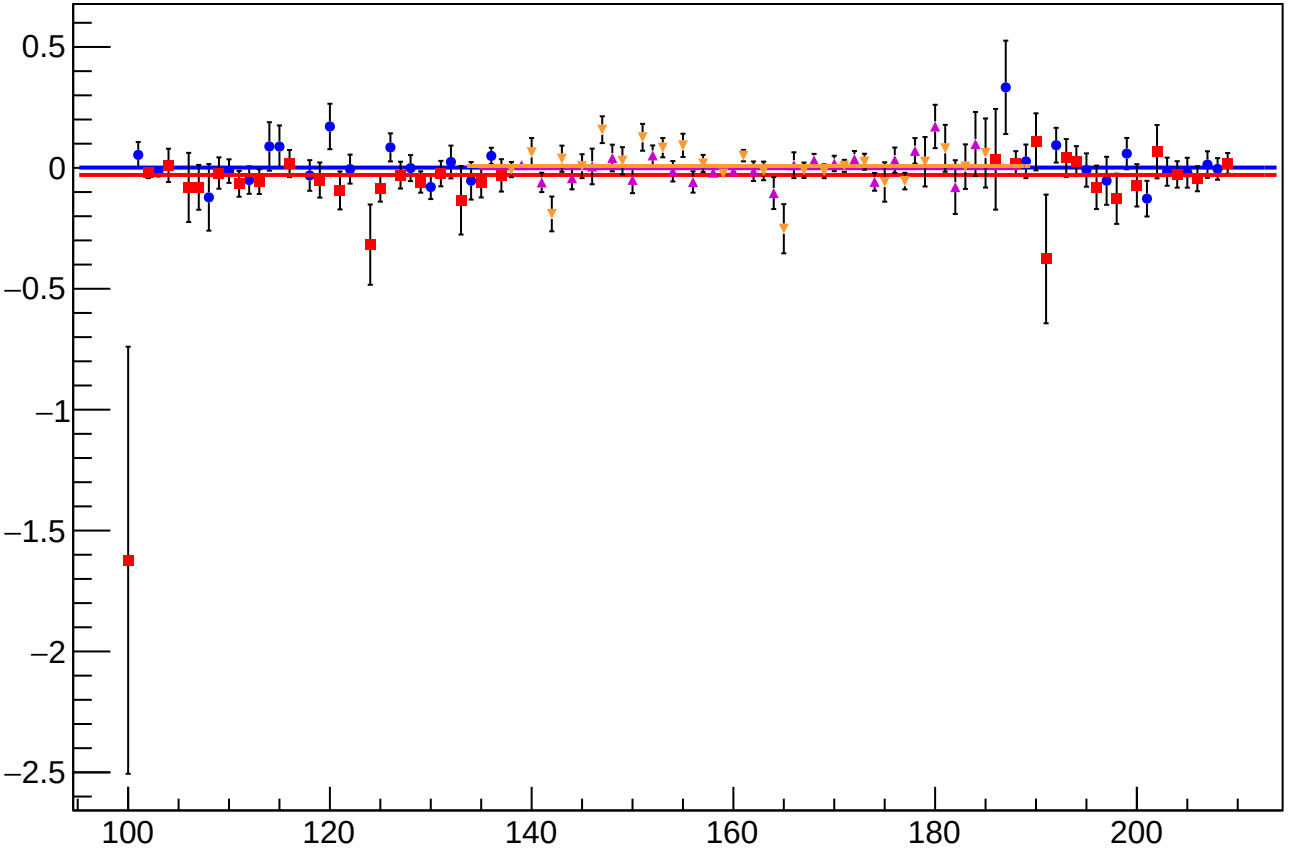
Right: 35.398+/-0.005 χ^2/NDF: 12331479.2/58

In: 26.847+/-0.004 χ^2/NDF:15553473.2/49

Out: 31.100+/-0.004 χ^2/NDF:14099536.7/56

All: 28.798+/-0.003 χ^2/NDF: 30167973.1/106

asym_sam_37_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.001+/-0.010 χ^2/NDF: 25.7/26

Left Out: 0.008+/-0.008 χ^2/NDF:47.6/24

Right Out: -0.029+/-0.011 χ^2/NDF: 20.9/31

Left In: -0.001+/-0.007 χ^2/NDF:25.1/22

Left: 0.003+/-0.005 χ^2/NDF: 73.6/47

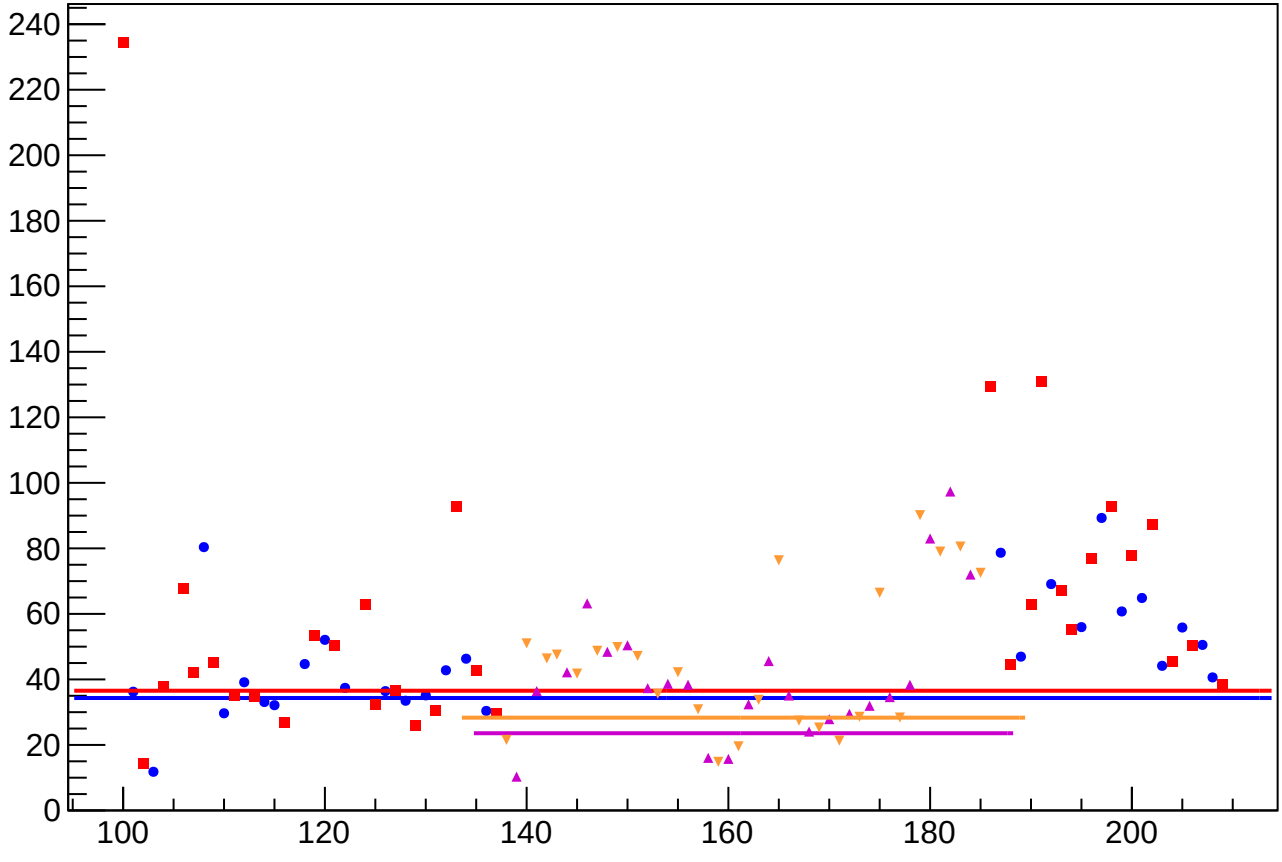
Right: -0.014+/-0.007 χ^2/NDF: 50.9/58

In: -0.001+/-0.006 χ^2/NDF:50.9/49

Out: -0.005+/-0.006 χ^2/NDF:76.6/56

All: -0.002+/-0.004 χ^2/NDF: 127.7/106

asym_sam_37_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 34.320+/-0.007 χ^2/NDF: 5769887.7/26

Left Out: 28.325+/-0.005 χ^2/NDF:6788307.1/24

Right Out: 36.548+/-0.008 χ^2/NDF: 6516145.3/31

Left In: 23.572+/-0.005 χ^2/NDF:8263833.7/22

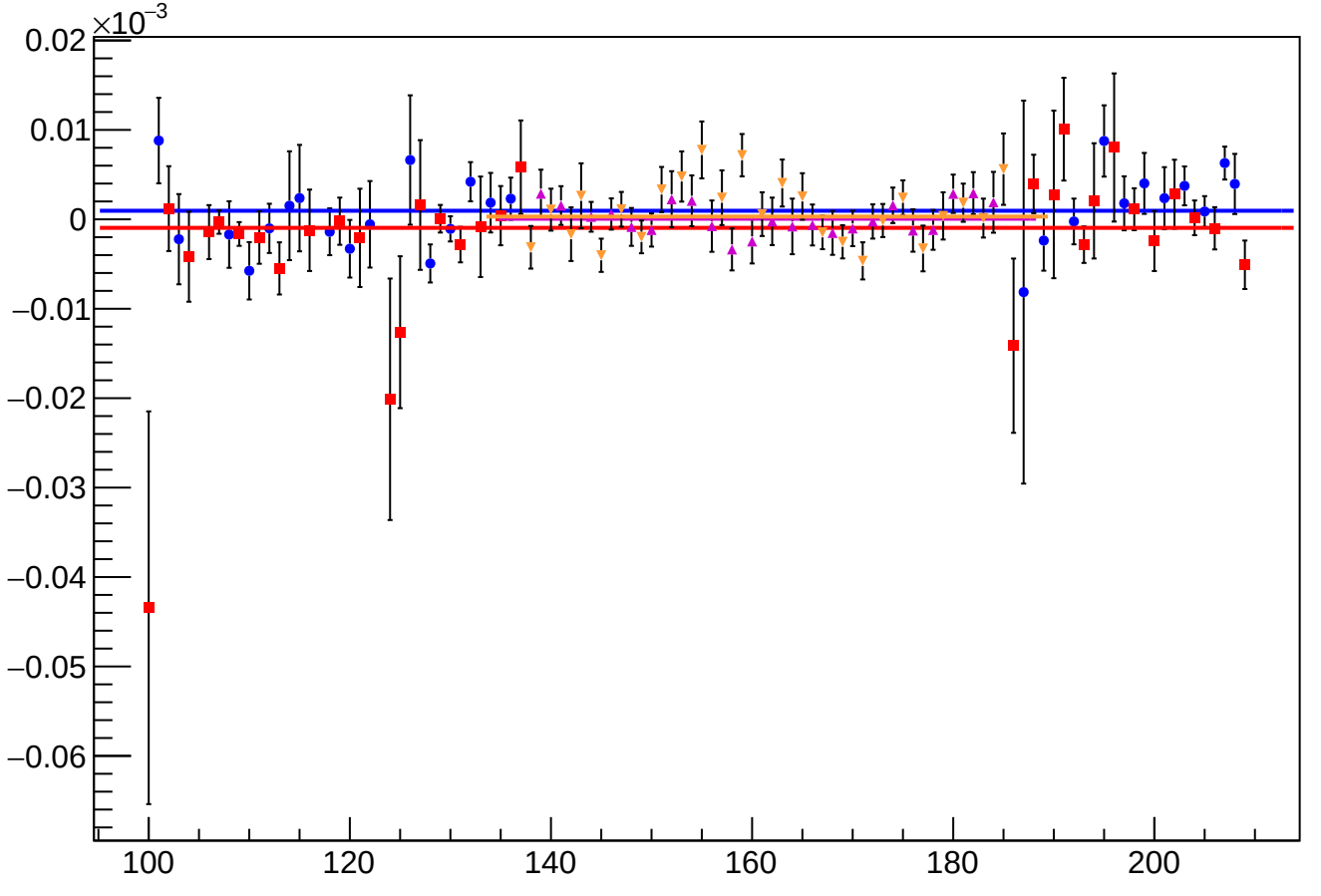
Left: 25.694+/-0.004 χ^2/NDF: 15487591.2/47

Right: 35.398+/-0.005 χ^2/NDF: 12331479.2/58

In: 26.847+/-0.004 χ^2/NDF:15553473.2/49

Out: 31.100+/-0.004 χ^2/NDF:14099536.7/56

All: 28.798+/-0.003 χ^2/NDF: 30167973.1/106



Right In: 0.000+/-0.000 χ^2/NDF: 41.2/26

Left Out: 0.000+/-0.000 χ^2/NDF:45.7/24

Right Out: -0.000+/-0.000 χ^2/NDF: 29.6/31

Left In: 0.000+/-0.000 χ^2/NDF:12.1/22

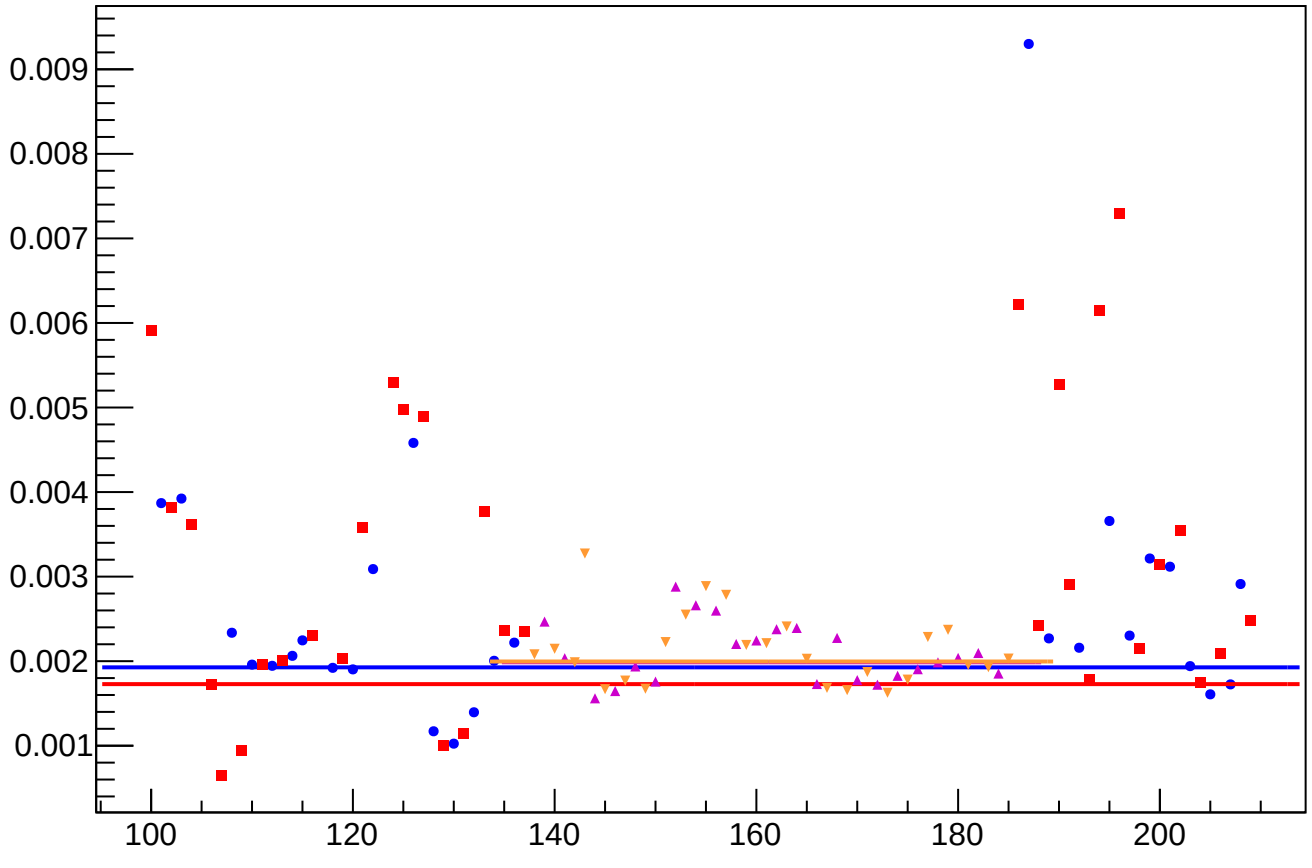
Left: 0.000+/-0.000 χ^2/NDF: 57.9/47

Right: -0.000+/-0.000 χ^2/NDF: 77.6/58

In: 0.000+/-0.000 χ^2/NDF:54.9/49

Out: -0.000+/-0.000 χ^2/NDF:78.6/56

All: 0.000+/-0.000 χ^2/NDF: 135.8/106



Right In: 0.002+/-0.000 χ^2/NDF: 3750695.6/26

Left Out: 0.002+/-0.000 χ^2/NDF:1173308.8/24

Right Out: 0.002+/-0.000 χ^2/NDF: 8707593.1/31

Left In: 0.002+/-0.000 χ^2/NDF:924009.7/22

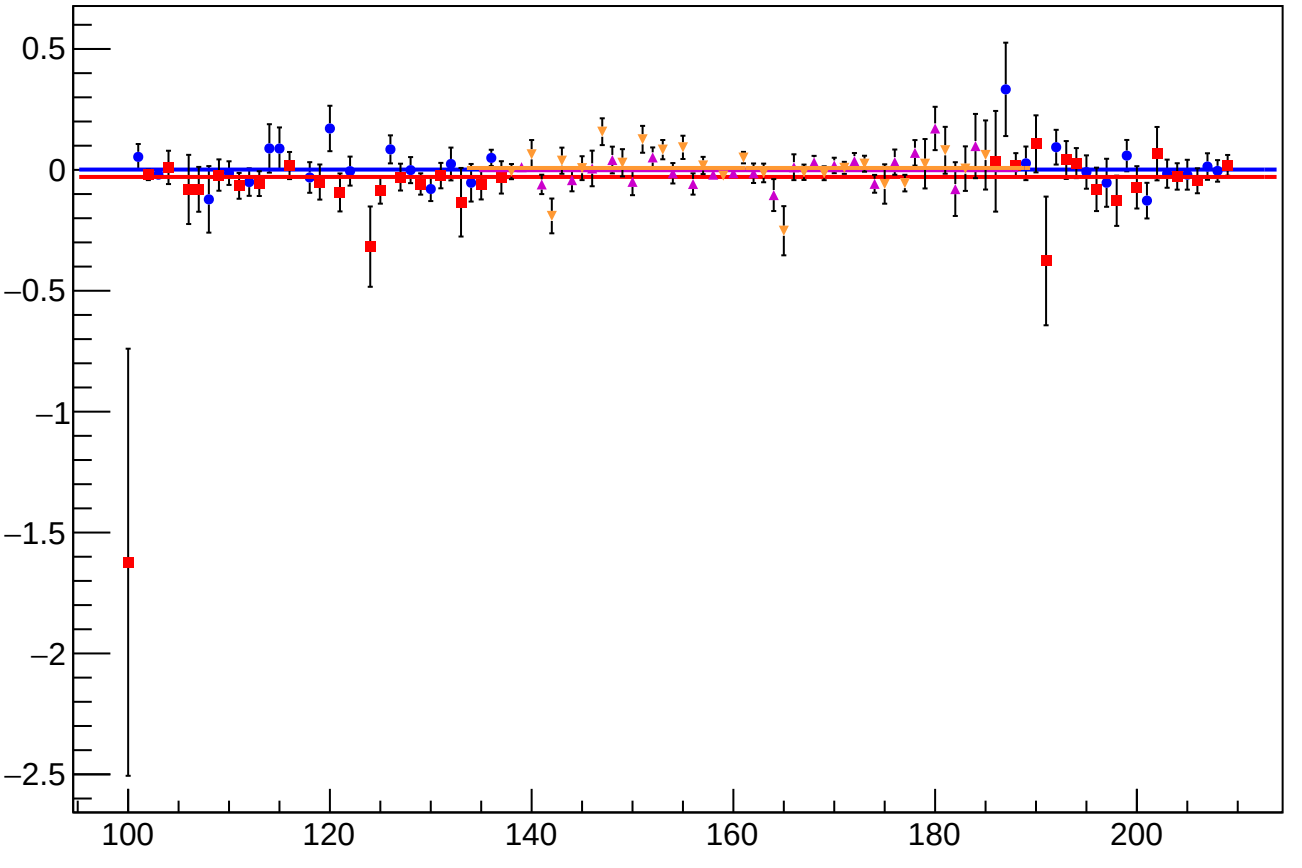
Left: 0.002+/-0.000 χ^2/NDF: 2097693.3/47

Right: 0.002+/-0.000 χ^2/NDF: 12604598.7/58

In: 0.002+/-0.000 χ^2/NDF:4688820.0/49

Out: 0.002+/-0.000 χ^2/NDF:10189780.2/56

All: 0.002+/-0.000 χ^2/NDF: 14943501.0/106



Right In: 0.001+/-0.010 χ^2/NDF: 25.7/26

Left Out: 0.008+/-0.008 χ^2/NDF:47.6/24

Right Out: -0.029+/-0.011 χ^2/NDF: 20.9/31

Left In: -0.001+/-0.007 χ^2/NDF:25.1/22

Left: 0.003+/-0.005 χ^2/NDF: 73.6/47

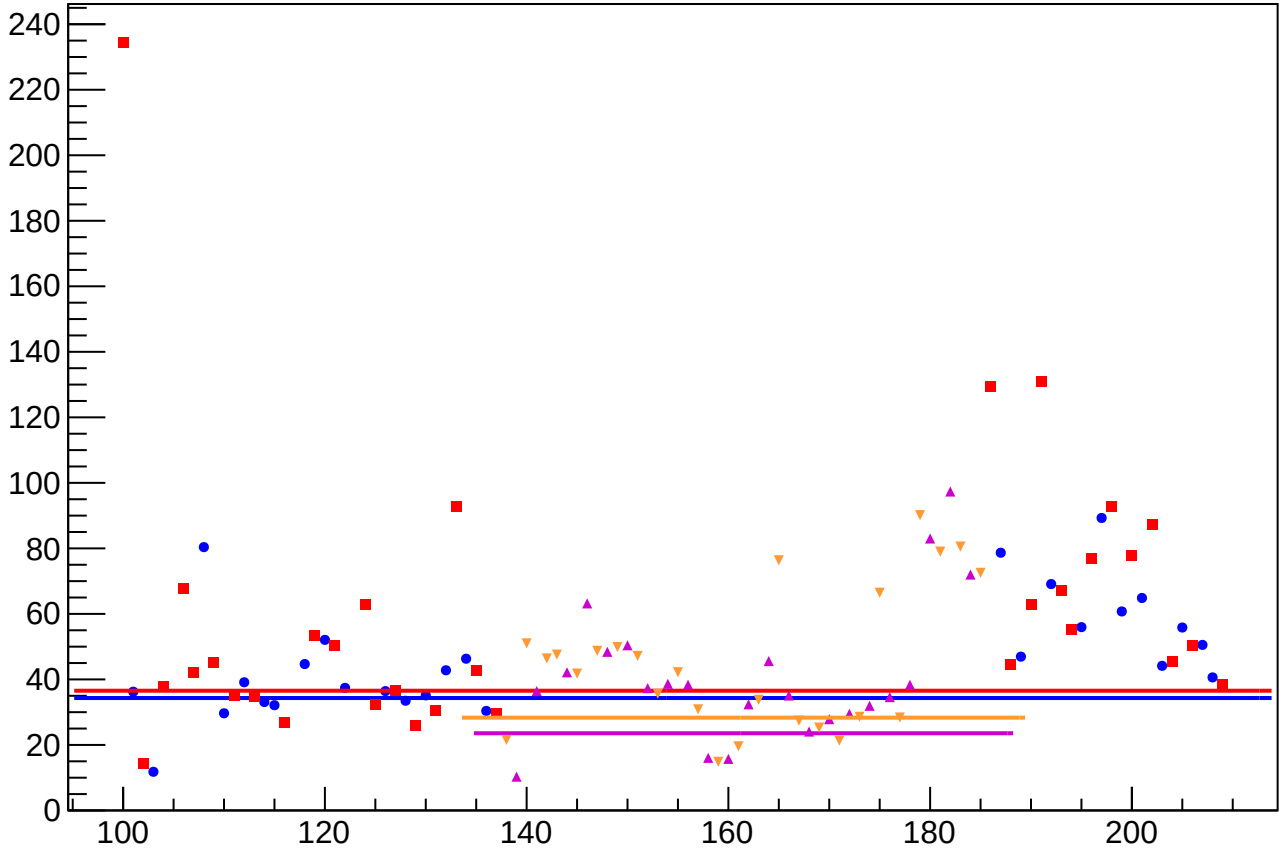
Right: -0.014+/-0.007 χ^2/NDF: 50.9/58

In: -0.001+/-0.006 χ^2/NDF:50.9/49

Out: -0.005+/-0.006 χ^2/NDF:76.6/56

All: -0.002+/-0.004 χ^2/NDF: 127.7/106

asym_sam_37_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 34.320+/-0.007 χ^2/NDF: 5770295.2/26

Left Out: 28.324+/-0.005 χ^2/NDF:6788766.1/24

Right Out: 36.550+/-0.008 χ^2/NDF: 6514966.5/31

Left In: 23.571+/-0.005 χ^2/NDF:8264891.4/22

Left: 25.694+/-0.004 χ^2/NDF: 15489262.5/47

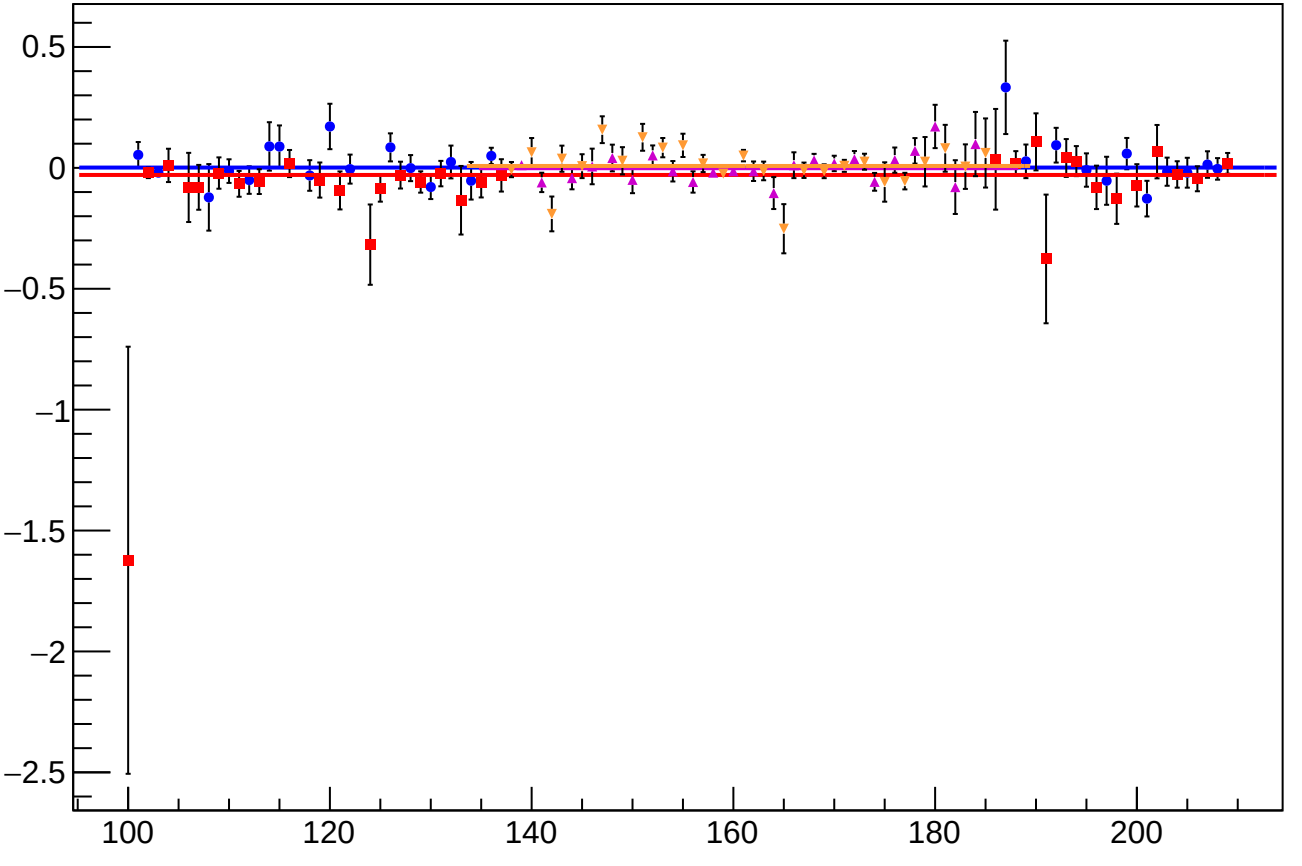
Right: 35.399+/-0.005 χ^2/NDF: 12330838.1/58

In: 26.846+/-0.004 χ^2/NDF:15555102.0/49

Out: 31.101+/-0.004 χ^2/NDF:14099336.7/56

All: 28.797+/-0.003 χ^2/NDF: 30169779.0/106

asym_sam_37_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.001+/-0.010 χ^2/NDF: 25.7/26

Left Out: 0.008+/-0.008 χ^2/NDF:47.6/24

Right Out: -0.029+/-0.011 χ^2/NDF: 20.9/31

Left In: -0.001+/-0.007 χ^2/NDF:25.1/22

Left: 0.003+/-0.005 χ^2/NDF: 73.6/47

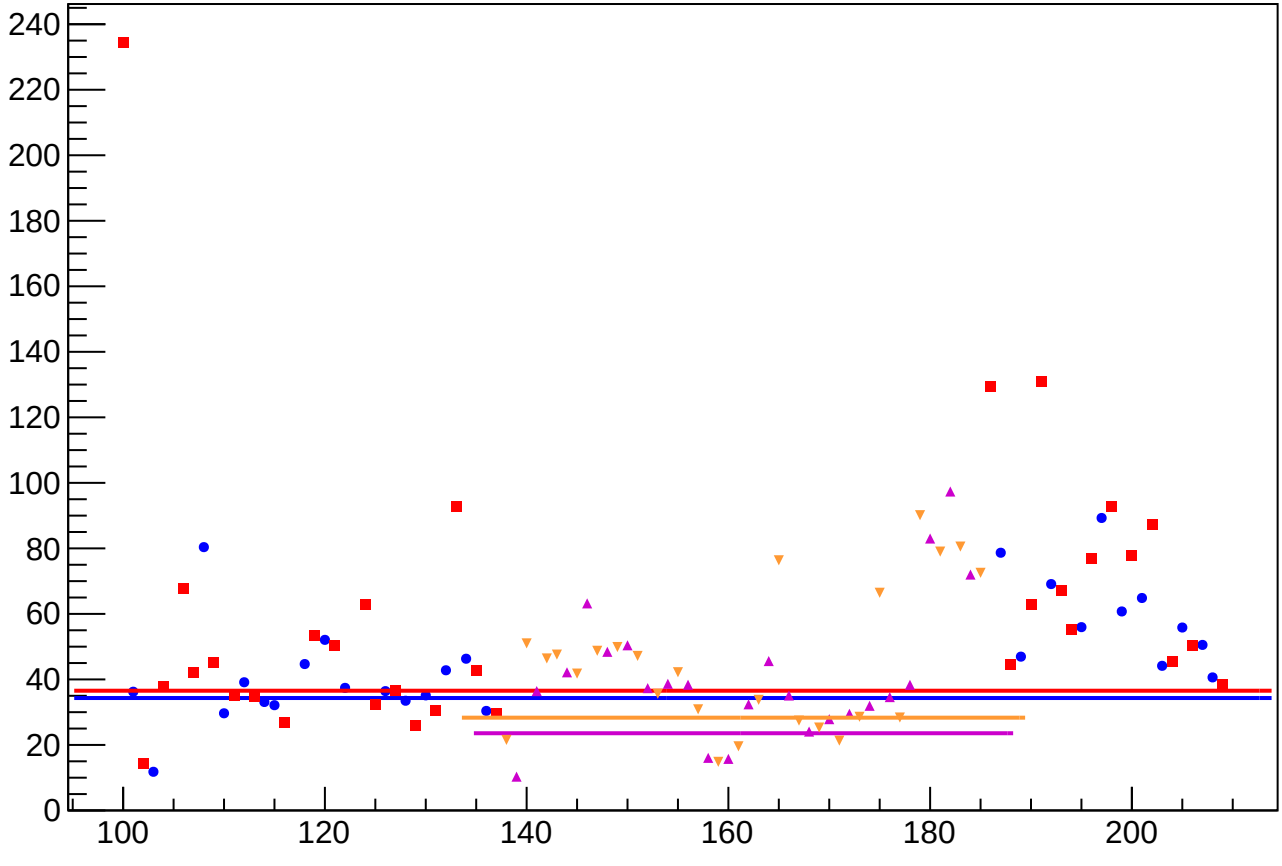
Right: -0.014+/-0.007 χ^2/NDF: 50.9/58

In: -0.001+/-0.006 χ^2/NDF:50.9/49

Out: -0.005+/-0.006 χ^2/NDF:76.6/56

All: -0.002+/-0.004 χ^2/NDF: 127.7/106

asym_sam_37_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 34.320+/-0.007 χ^2/NDF: 5770295.2/26

Left Out: 28.324+/-0.005 χ^2/NDF:6788766.1/24

Right Out: 36.550+/-0.008 χ^2/NDF: 6514966.5/31

Left In: 23.571+/-0.005 χ^2/NDF:8264891.4/22

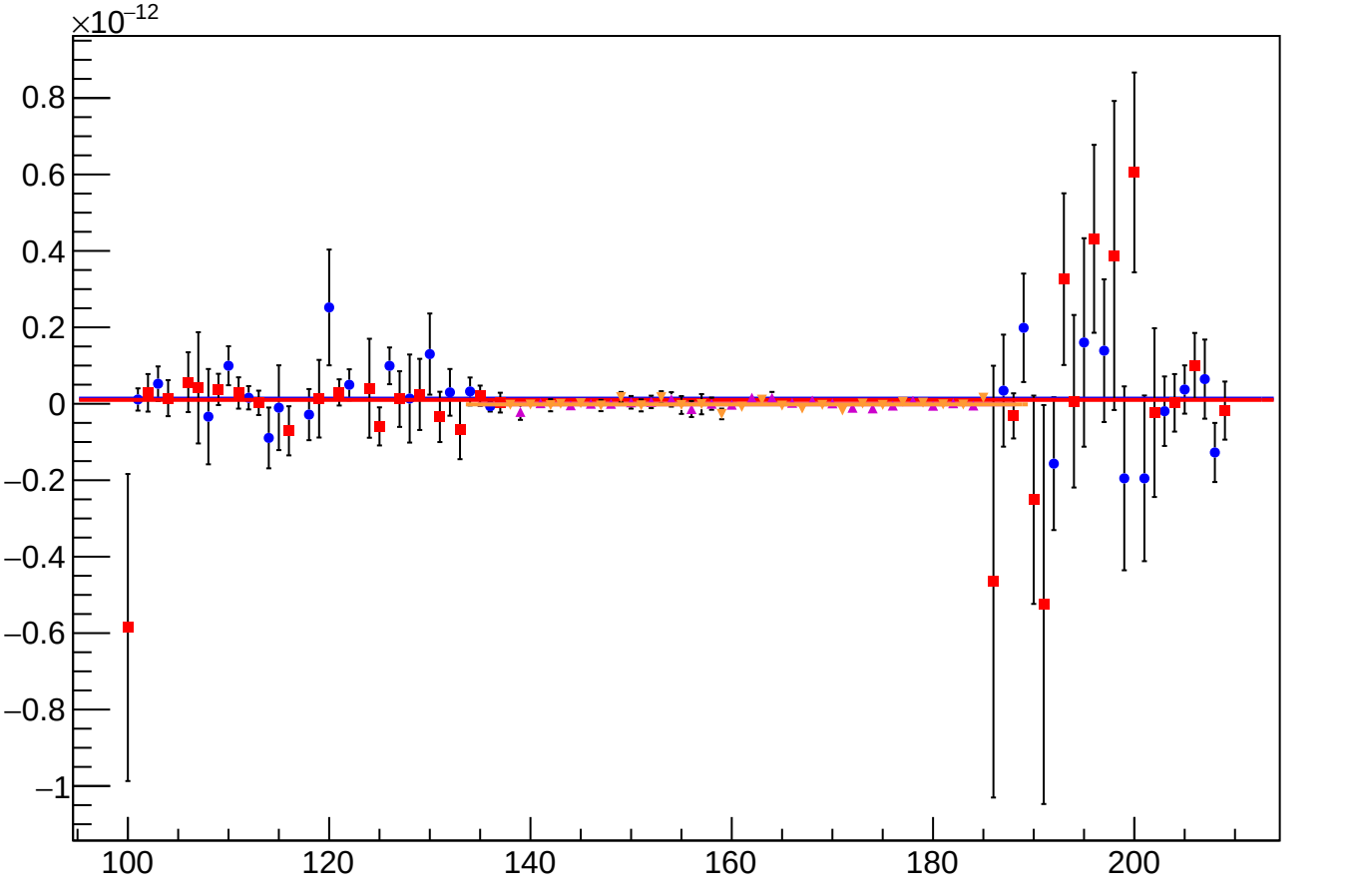
Left: 25.694+/-0.004 χ^2/NDF: 15489262.5/47

Right: 35.399+/-0.005 χ^2/NDF: 12330838.1/58

In: 26.846+/-0.004 χ^2/NDF:15555102.0/49

Out: 31.101+/-0.004 χ^2/NDF:14099336.7/56

All: 28.797+/-0.003 χ^2/NDF: 30169779.0/106



Right In: 0.000+/-0.000 χ^2/NDF: 24.9/26

Left Out: -0.000+/-0.000 χ^2/NDF:17.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 24.4/31

Left In: -0.000+/-0.000 χ^2/NDF:15.9/22

Left: -0.000+/-0.000 χ^2/NDF: 33.5/47

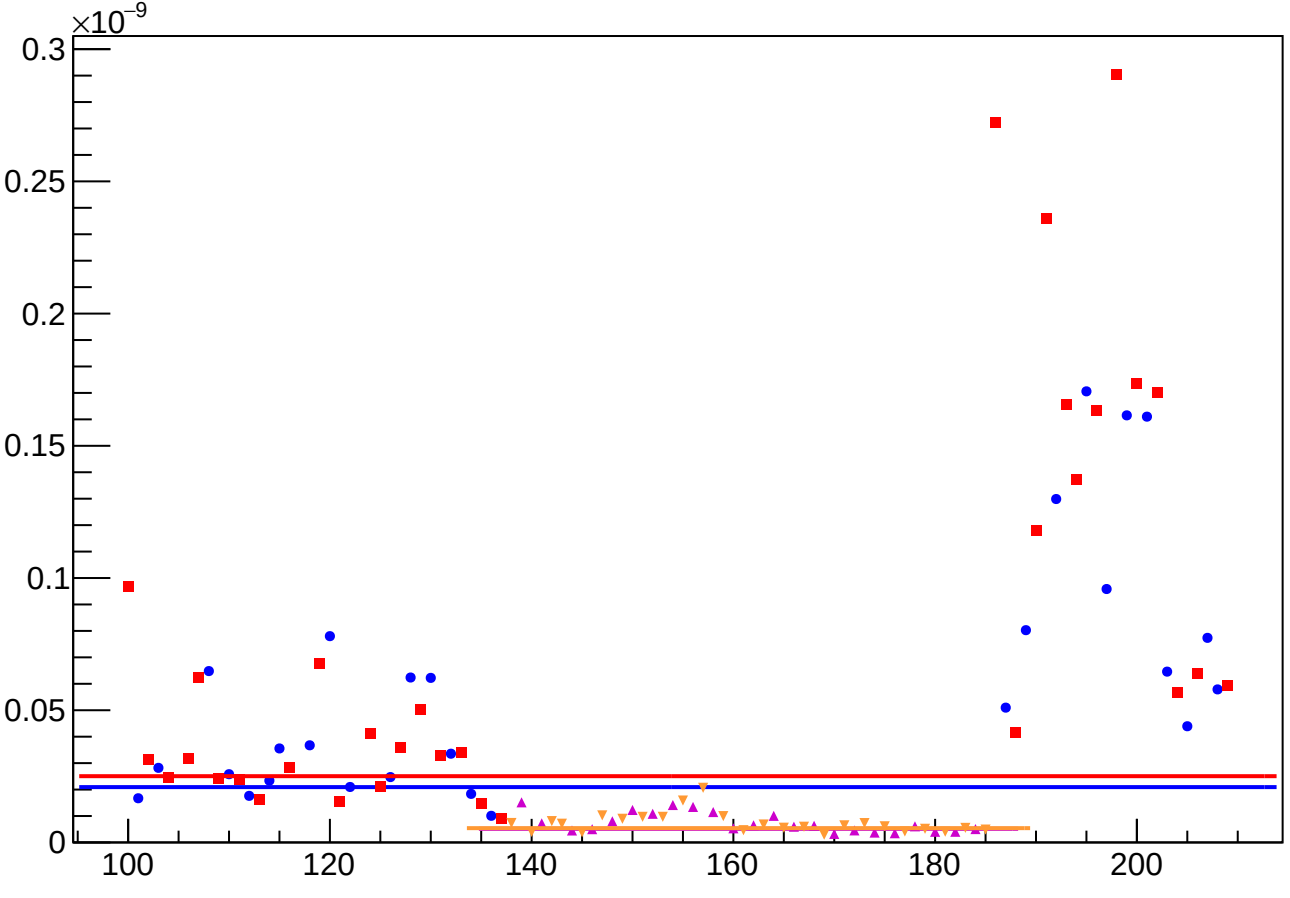
Right: 0.000+/-0.000 χ^2/NDF: 49.4/58

In: -0.000+/-0.000 χ^2/NDF:43.3/49

Out: -0.000+/-0.000 χ^2/NDF:43.2/56

All: -0.000+/-0.000 χ^2/NDF: 86.6/106

asym_sam_37_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 8171051.3/26

Left Out: 0.000+/-0.000 χ^2/NDF:3068356.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 8827140.7/31

Left In: 0.000+/-0.000 χ^2/NDF:3390855.0/22

Left: 0.000+/-0.000 χ^2/NDF: 6479218.4/47

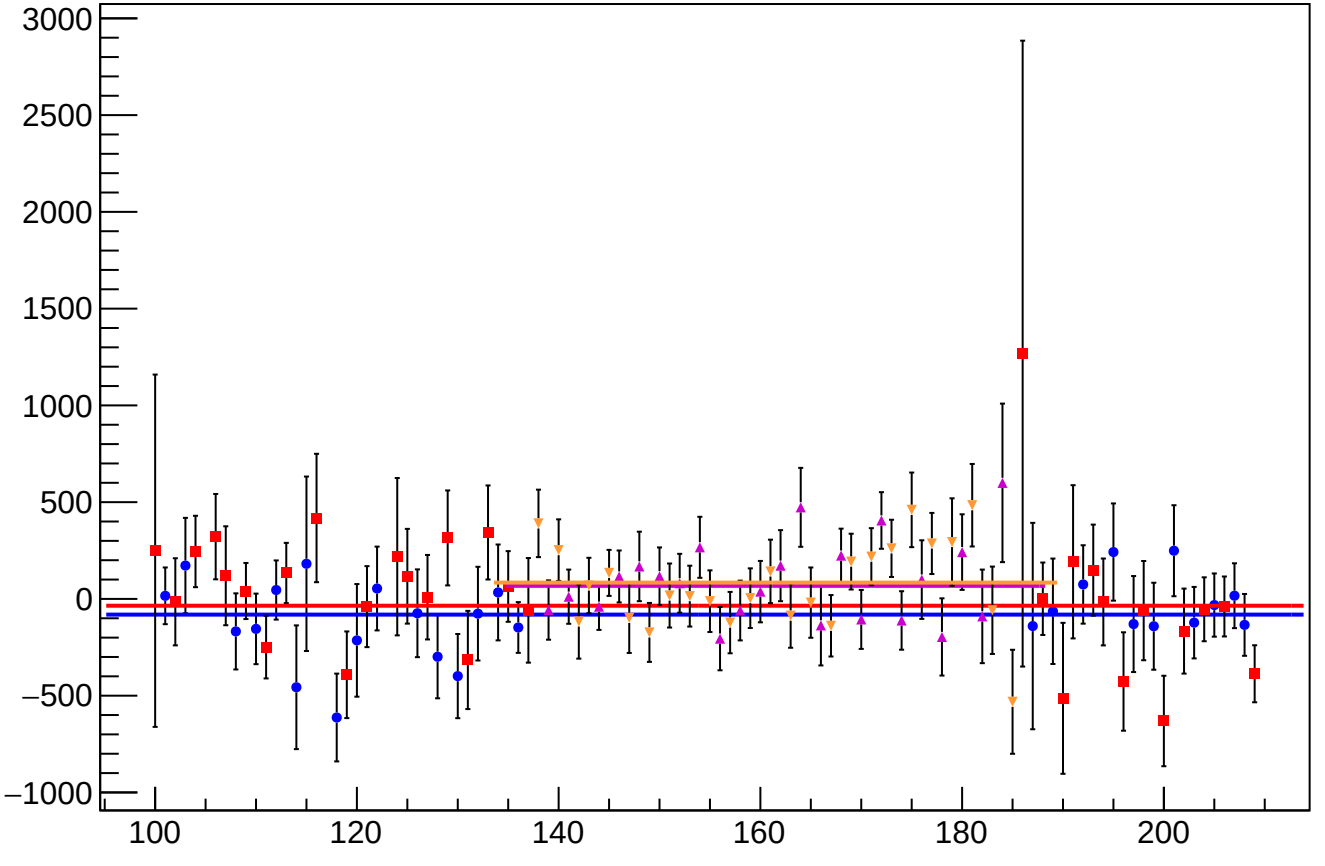
Right: 0.000+/-0.000 χ^2/NDF: 17178587.8/58

In: 0.000+/-0.000 χ^2/NDF:17337074.9/49

Out: 0.000+/-0.000 χ^2/NDF:18962399.7/56

All: 0.000+/-0.000 χ^2/NDF: 36320616.0/106

reg_asym_sam_48_avg_mean vs Slug, Sign Corrected



Right In: -81.086+/-39.657 χ^2/NDF: 18.9/26

Left Out: 84.324+/-33.036 χ^2/NDF:33.8/24

Right Out: -35.143+/-38.479 χ^2/NDF: 37.9/31

Left In: 67.646+/-34.137 χ^2/NDF:26.5/22

Left: 76.258+/-23.739 χ^2/NDF: 60.5/47

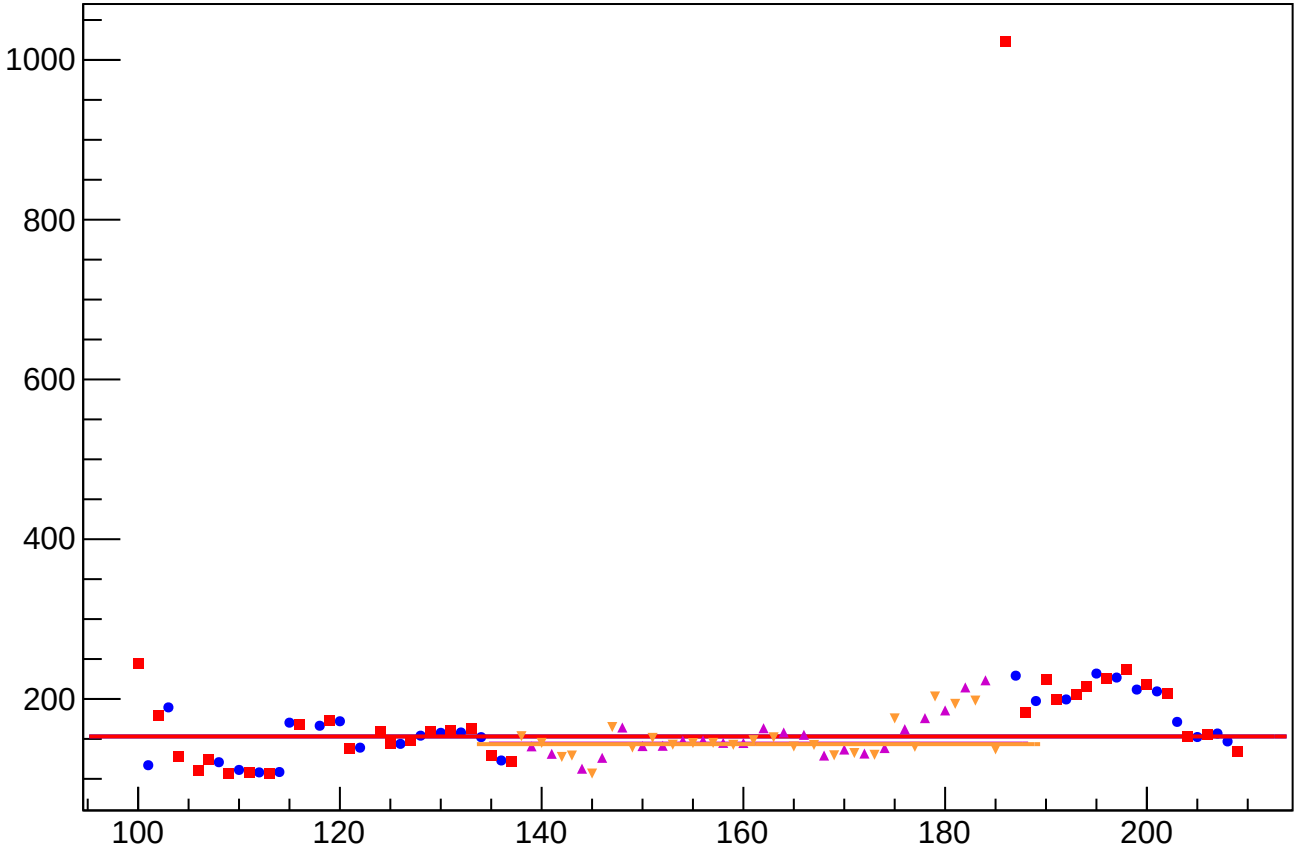
Right: -57.422+/-27.616 χ^2/NDF: 57.5/58

In: 4.343+/-25.872 χ^2/NDF:53.5/49

Out: 33.631+/-25.065 χ^2/NDF:77.3/56

All: 19.451+/-18.002 χ^2/NDF: 131.4/106

reg_asym_sam_48_avg_rms vs Slug, Sign Corrected



Right In: 153.089+/-0.028 χ^2/NDF: 1519950.6/26

Left Out: 143.444+/-0.023 χ^2/NDF:747040.9/24

Right Out: 153.073+/-0.027 χ^2/NDF: 2474995.3/31

Left In: 144.170+/-0.024 χ^2/NDF:702713.8/22

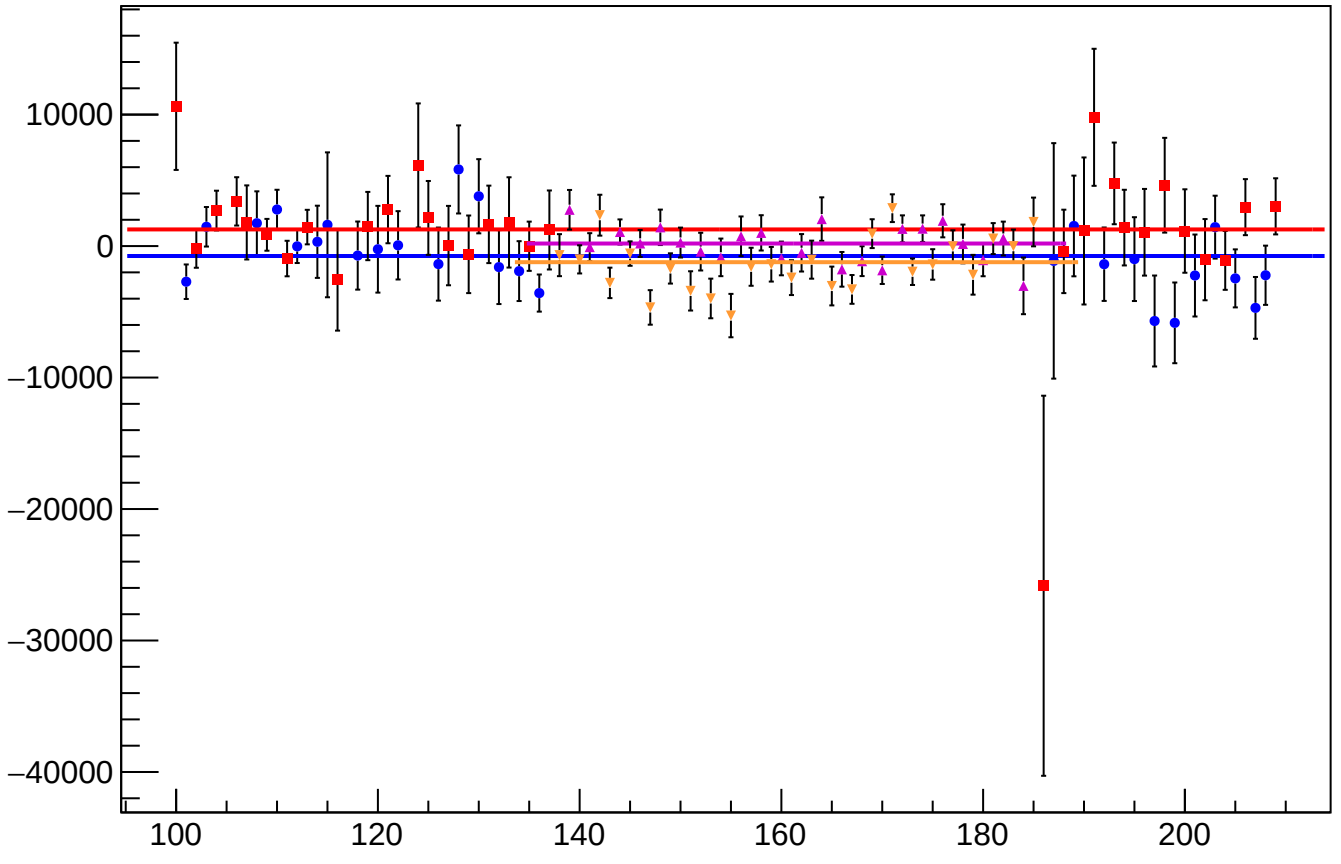
Left: 143.795+/-0.017 χ^2/NDF: 1450223.0/47

Right: 153.081+/-0.020 χ^2/NDF: 3994946.0/58

In: 147.966+/-0.018 χ^2/NDF:2280765.7/49

Out: 147.530+/-0.018 χ^2/NDF:3294145.6/56

All: 147.741+/-0.013 χ^2/NDF: 5575205.3/106



Right In: -755.738+/-432.913 χ^2/NDF: 32.7/26

Left Out: -1225.049+/-251.767 χ^2/NDF:59.3/24

Right Out: 1266.082+/-409.345 χ^2/NDF: 25.1/31

Left In: 193.805+/-258.922 χ^2/NDF:23.3/22

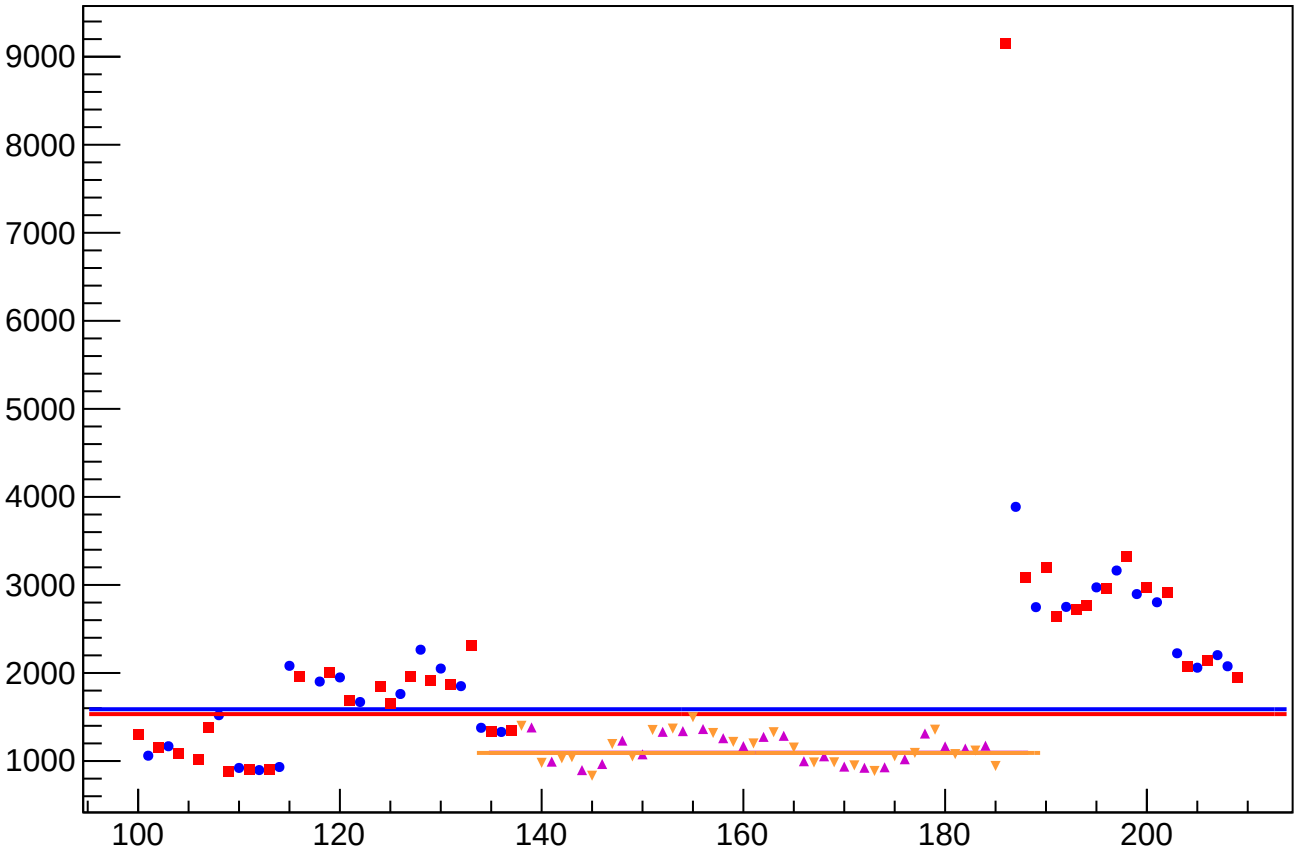
Left: -535.495+/-180.503 χ^2/NDF: 98.0/47

Right: 311.700+/-297.434 χ^2/NDF: 69.3/58

In: -56.369+/-222.210 χ^2/NDF:59.6/49

Out: -541.332+/-214.452 χ^2/NDF:111.2/56

All: -307.465+/-154.310 χ^2/NDF: 173.3/106



Right In: 1588.354+/-0.306 χ^2/NDF: 4482963.9/26

Left Out: 1091.980+/-0.178 χ^2/NDF:892442.4/24

Right Out: 1532.824+/-0.289 χ^2/NDF: 6299719.8/31

Left In: 1094.478+/-0.183 χ^2/NDF:732975.2/22

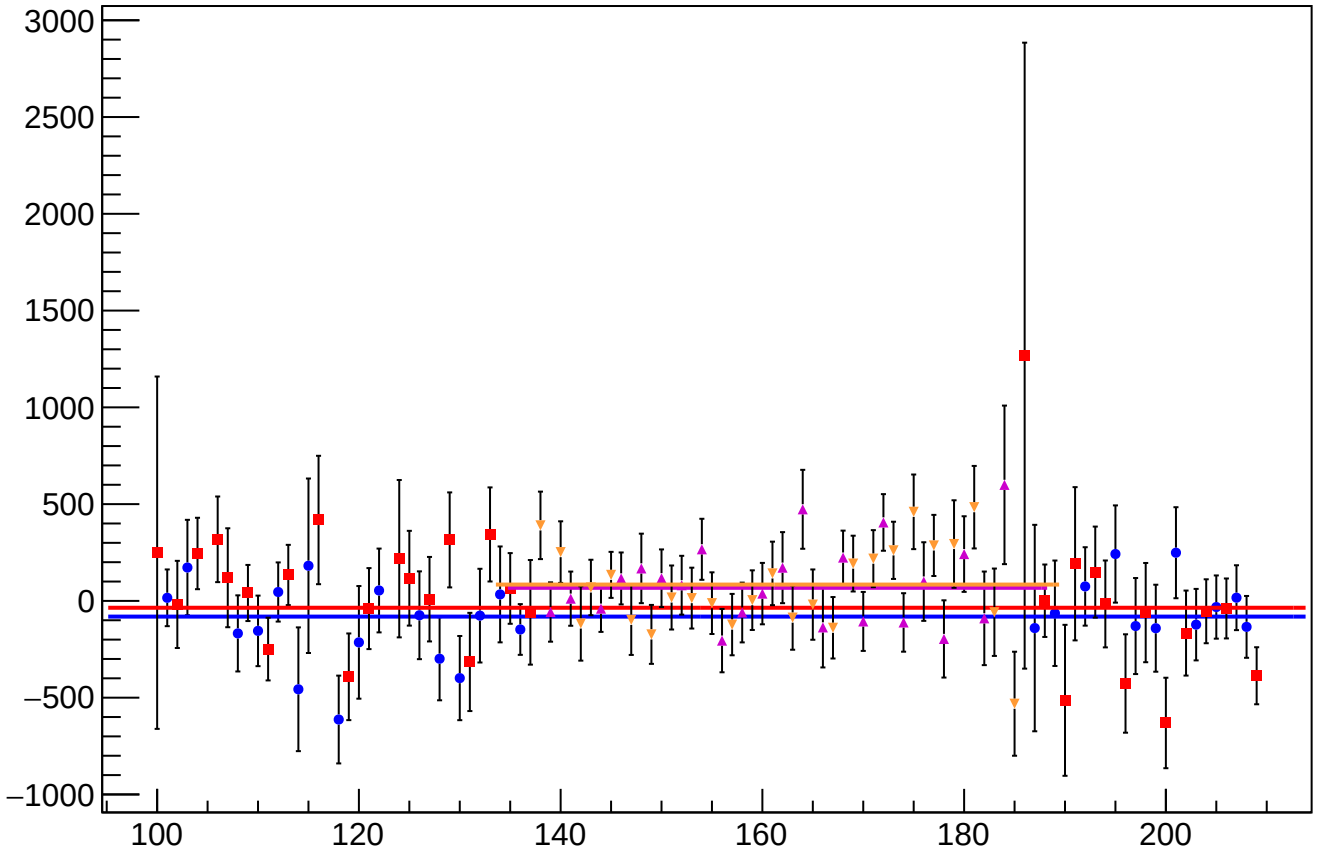
Left: 1093.194+/-0.128 χ^2/NDF: 1625513.3/47

Right: 1559.037+/-0.210 χ^2/NDF: 10800057.2/58

In: 1224.599+/-0.157 χ^2/NDF:7133090.6/49

Out: 1212.974+/-0.152 χ^2/NDF:8875154.2/56

All: 1218.580+/-0.109 χ^2/NDF: 16011078.8/1



Right In: -81.094+/-39.657 χ^2/NDF: 18.9/26

Left Out: 84.338+/-33.036 χ^2/NDF:33.8/24

Right Out: -35.415+/-38.483 χ^2/NDF: 37.8/31

Left In: 67.648+/-34.137 χ^2/NDF:26.5/22

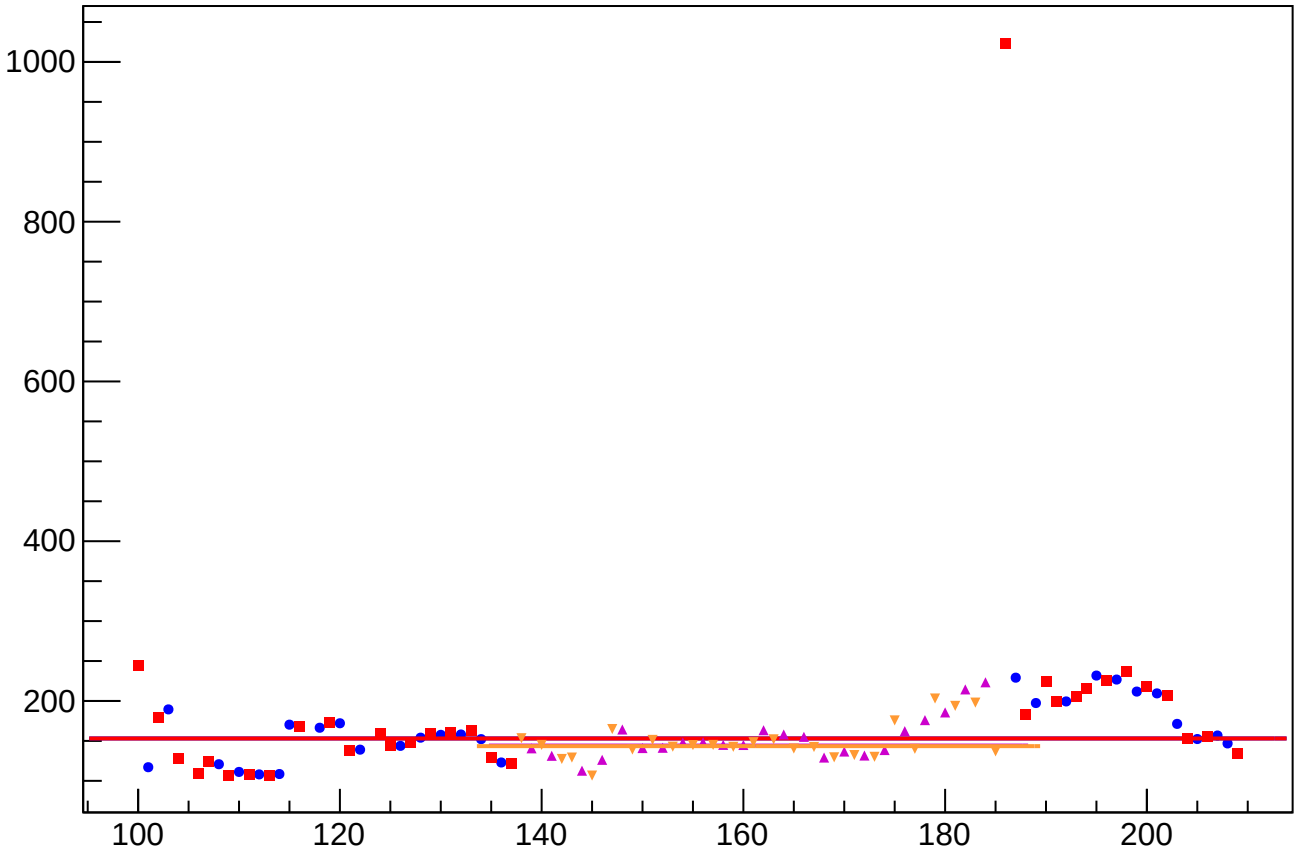
Left: 76.266+/-23.739 χ^2/NDF: 60.5/47

Right: -57.569+/-27.617 χ^2/NDF: 57.4/58

In: 4.341+/-25.872 χ^2/NDF:53.5/49

Out: 33.531+/-25.066 χ^2/NDF:77.2/56

All: 19.397+/-18.003 χ^2/NDF: 131.4/106



Right In: 153.089+/-0.028 χ^2/NDF: 1519952.9/26

Left Out: 143.444+/-0.023 χ^2/NDF:747040.9/24

Right Out: 153.035+/-0.027 χ^2/NDF: 2480342.9/31

Left In: 144.170+/-0.024 χ^2/NDF:702713.8/22

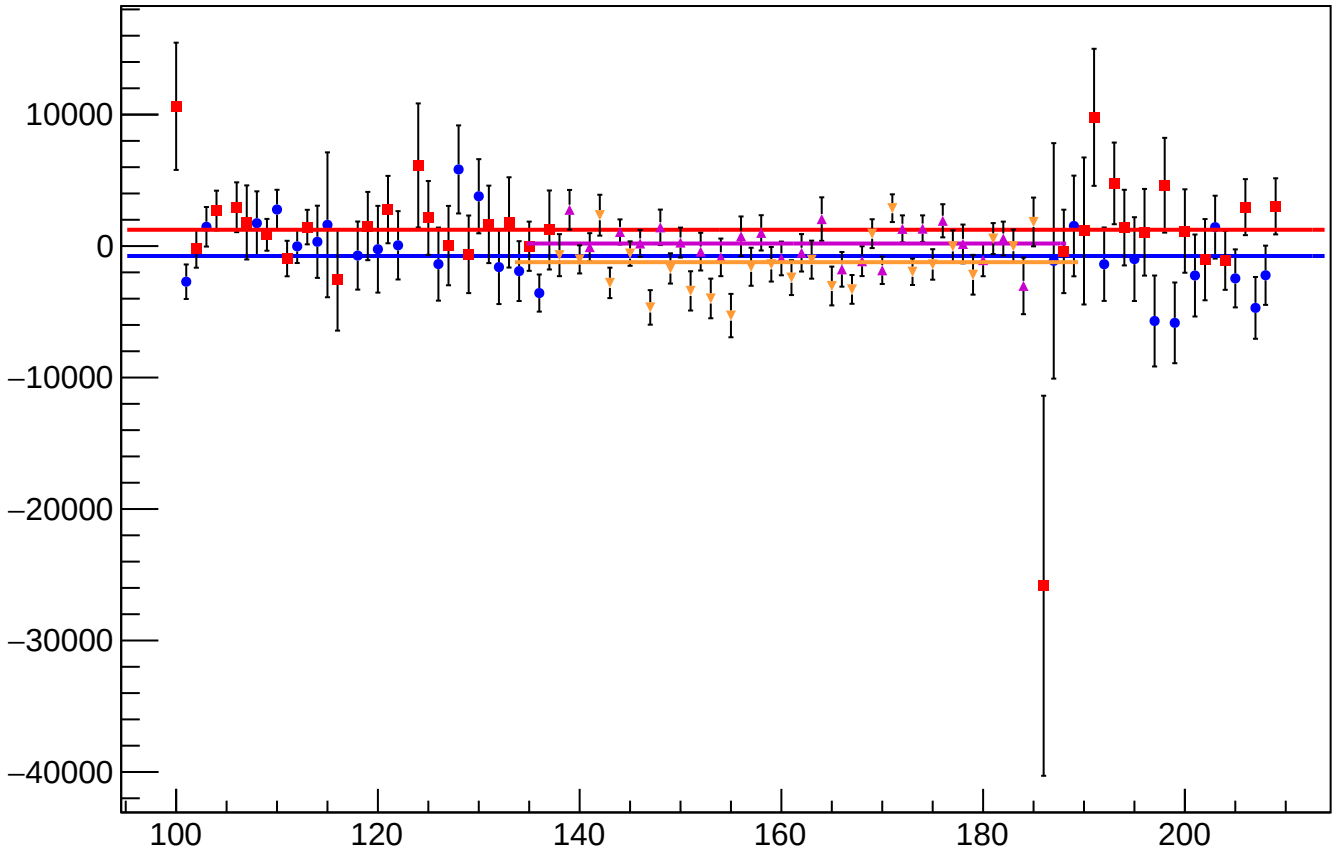
Left: 143.795+/-0.017 χ^2/NDF: 1450223.1/47

Right: 153.061+/-0.020 χ^2/NDF: 4000297.7/58

In: 147.966+/-0.018 χ^2/NDF:2280768.3/49

Out: 147.513+/-0.018 χ^2/NDF:3298906.6/56

All: 147.732+/-0.013 χ^2/NDF: 5579992.0/106



Right In: -755.796+/-432.916 χ^2/NDF: 32.7/26

Left Out: -1225.031+/-251.767 χ^2/NDF:59.3/24

Right Out: 1239.572+/-409.962 χ^2/NDF: 24.5/31

Left In: 193.808+/-258.922 χ^2/NDF:23.3/22

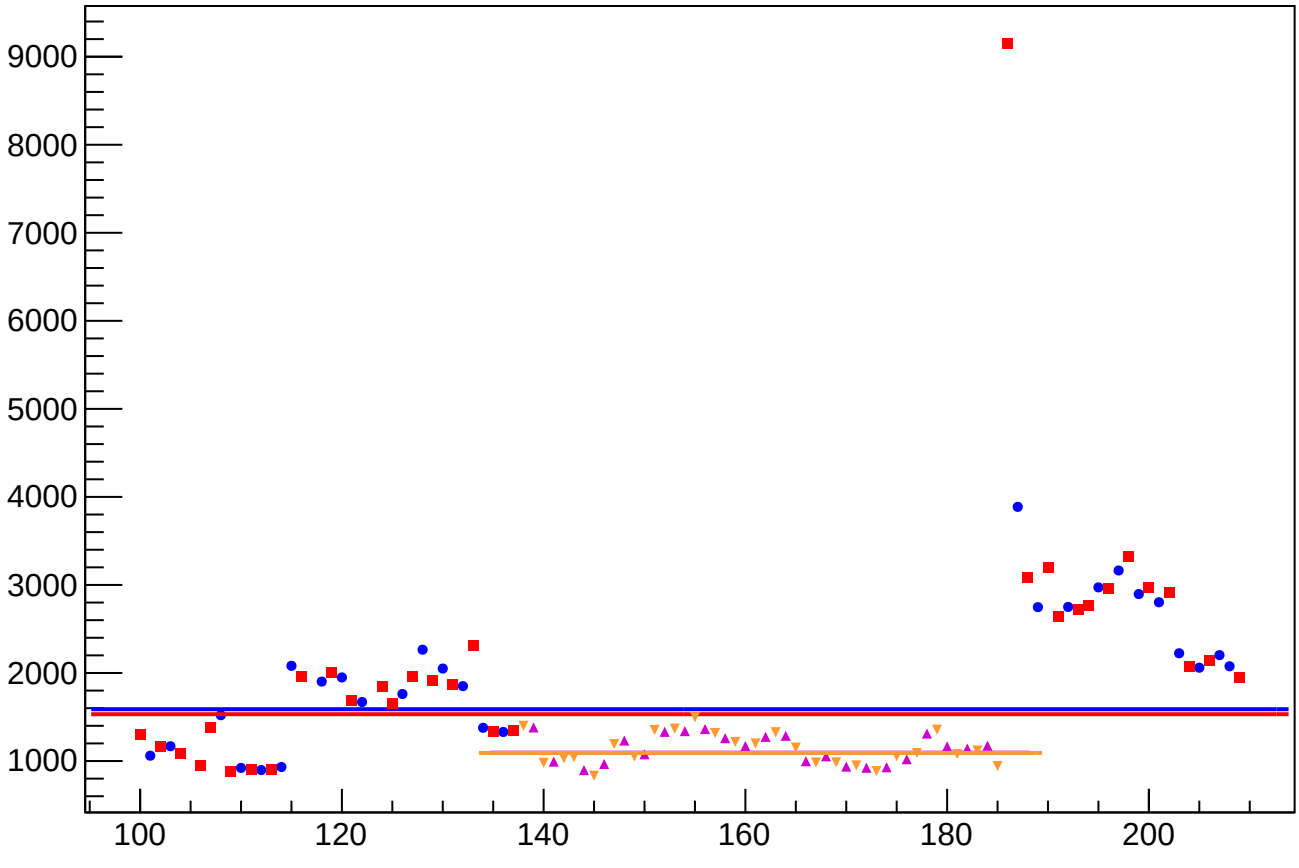
Left: -535.485+/-180.503 χ^2/NDF: 98.0/47

Right: 296.189+/-297.671 χ^2/NDF: 68.5/58

In: -56.379+/-222.211 χ^2/NDF:59.6/49

Out: -550.071+/-214.540 χ^2/NDF:110.0/56

All: -311.893+/-154.343 χ^2/NDF: 172.2/106



Right In: 1588.369+/-0.306 χ^2/NDF: 4482860.2/26

Left Out: 1091.979+/-0.178 χ^2/NDF:892441.9/24

Right Out: 1531.521+/-0.290 χ^2/NDF: 6327587.6/31

Left In: 1094.479+/-0.183 χ^2/NDF:732975.7/22

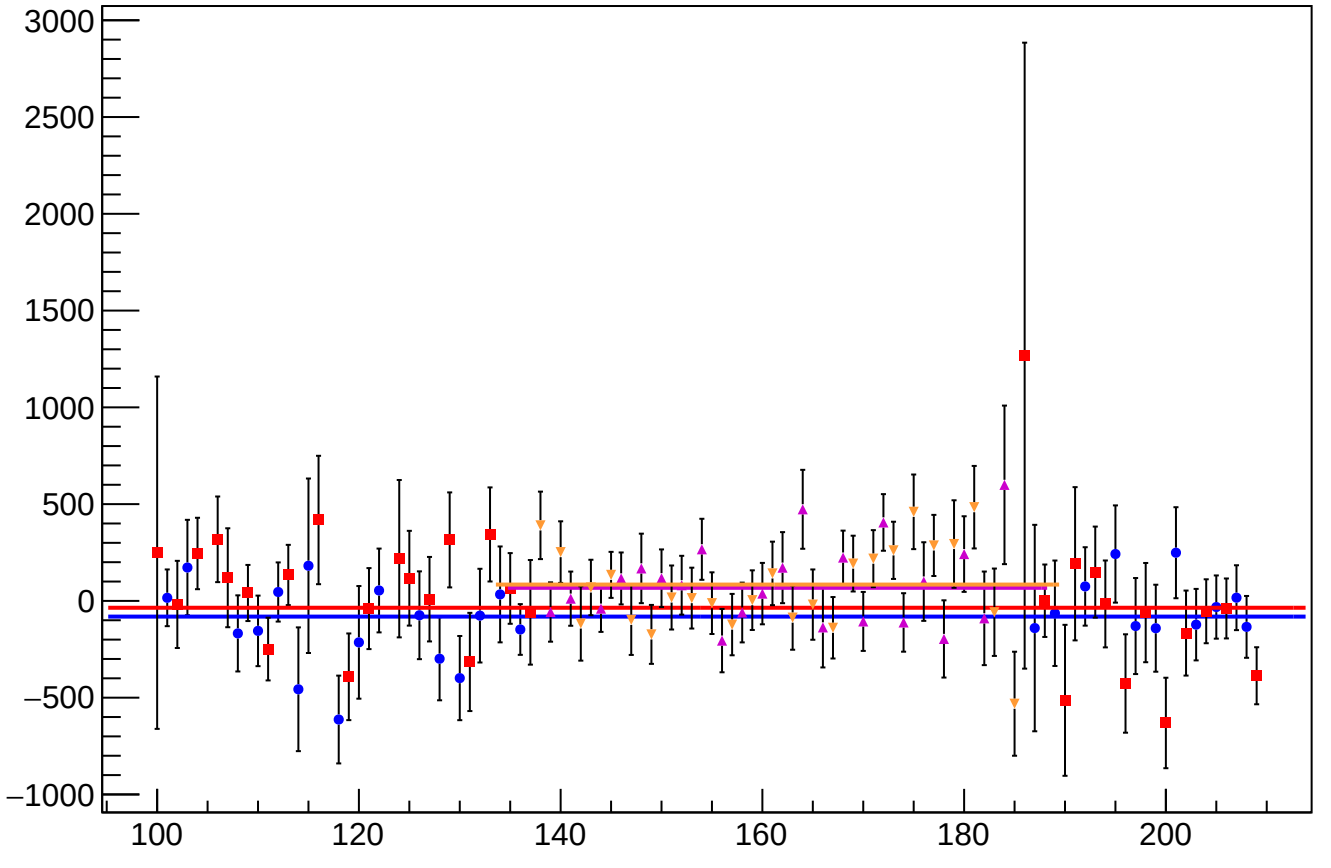
Left: 1093.194+/-0.128 χ^2/NDF: 1625513.3/47

Right: 1558.398+/-0.210 χ^2/NDF: 10828629.6/58

In: 1224.601+/-0.157 χ^2/NDF:7133077.8/49

Out: 1212.353+/-0.152 χ^2/NDF:8889438.7/56

All: 1218.262+/-0.109 χ^2/NDF: 16025661.4/



Right In: -81.094+/-39.657 χ^2/NDF: 18.9/26

Left Out: 84.338+/-33.036 χ^2/NDF:33.8/24

Right Out: -35.415+/-38.483 χ^2/NDF: 37.8/31

Left In: 67.648+/-34.137 χ^2/NDF:26.5/22

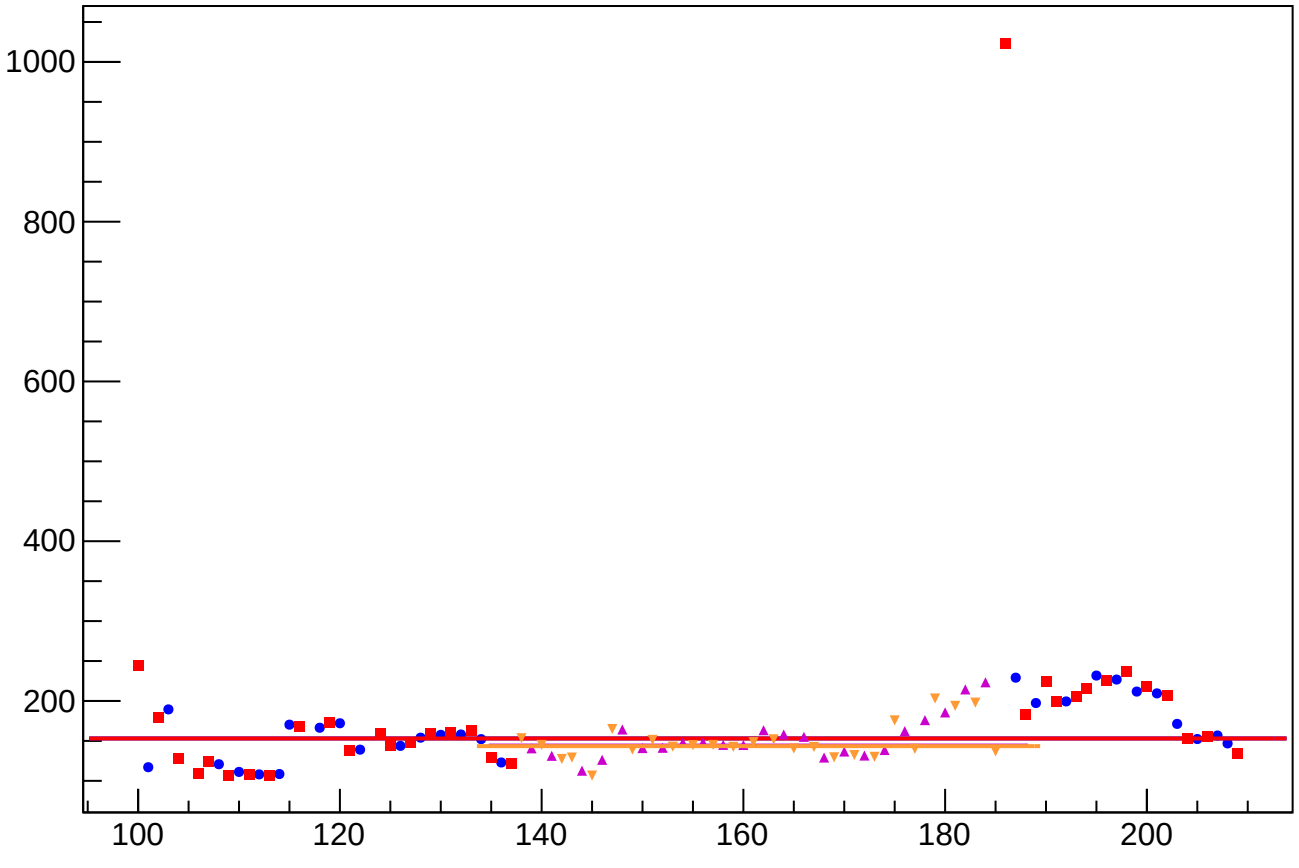
Left: 76.266+/-23.739 χ^2/NDF: 60.5/47

Right: -57.569+/-27.617 χ^2/NDF: 57.4/58

In: 4.341+/-25.872 χ^2/NDF:53.5/49

Out: 33.531+/-25.066 χ^2/NDF:77.2/56

All: 19.397+/-18.003 χ^2/NDF: 131.4/106



Right In: 153.089+/-0.028 χ^2/NDF: 1519952.9/26

Left Out: 143.444+/-0.023 χ^2/NDF:747040.9/24

Right Out: 153.035+/-0.027 χ^2/NDF: 2480342.9/31

Left In: 144.170+/-0.024 χ^2/NDF:702713.8/22

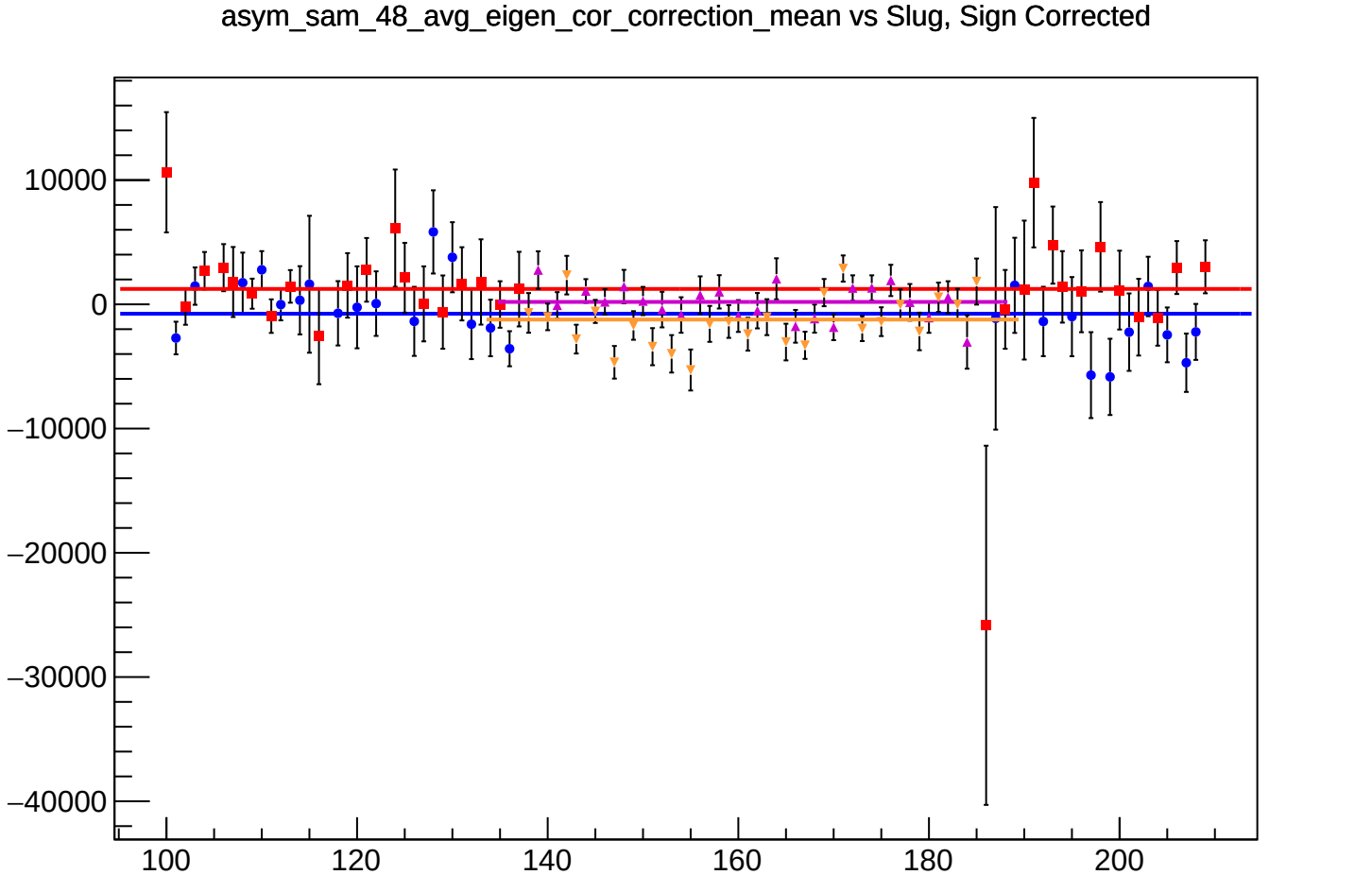
Left: 143.795+/-0.017 χ^2/NDF: 1450223.1/47

Right: 153.061+/-0.020 χ^2/NDF: 4000297.7/58

In: 147.966+/-0.018 χ^2/NDF:2280768.3/49

Out: 147.513+/-0.018 χ^2/NDF:3298906.6/56

All: 147.732+/-0.013 χ^2/NDF: 5579992.0/106



Right In: -755.796+/-432.916 χ^2/NDF: 32.7/26

Left Out: -1225.031+/-251.767 χ^2/NDF:59.3/24

Right Out: 1239.572+/-409.962 χ^2/NDF: 24.5/31

Left In: 193.808+/-258.922 χ^2/NDF:23.3/22

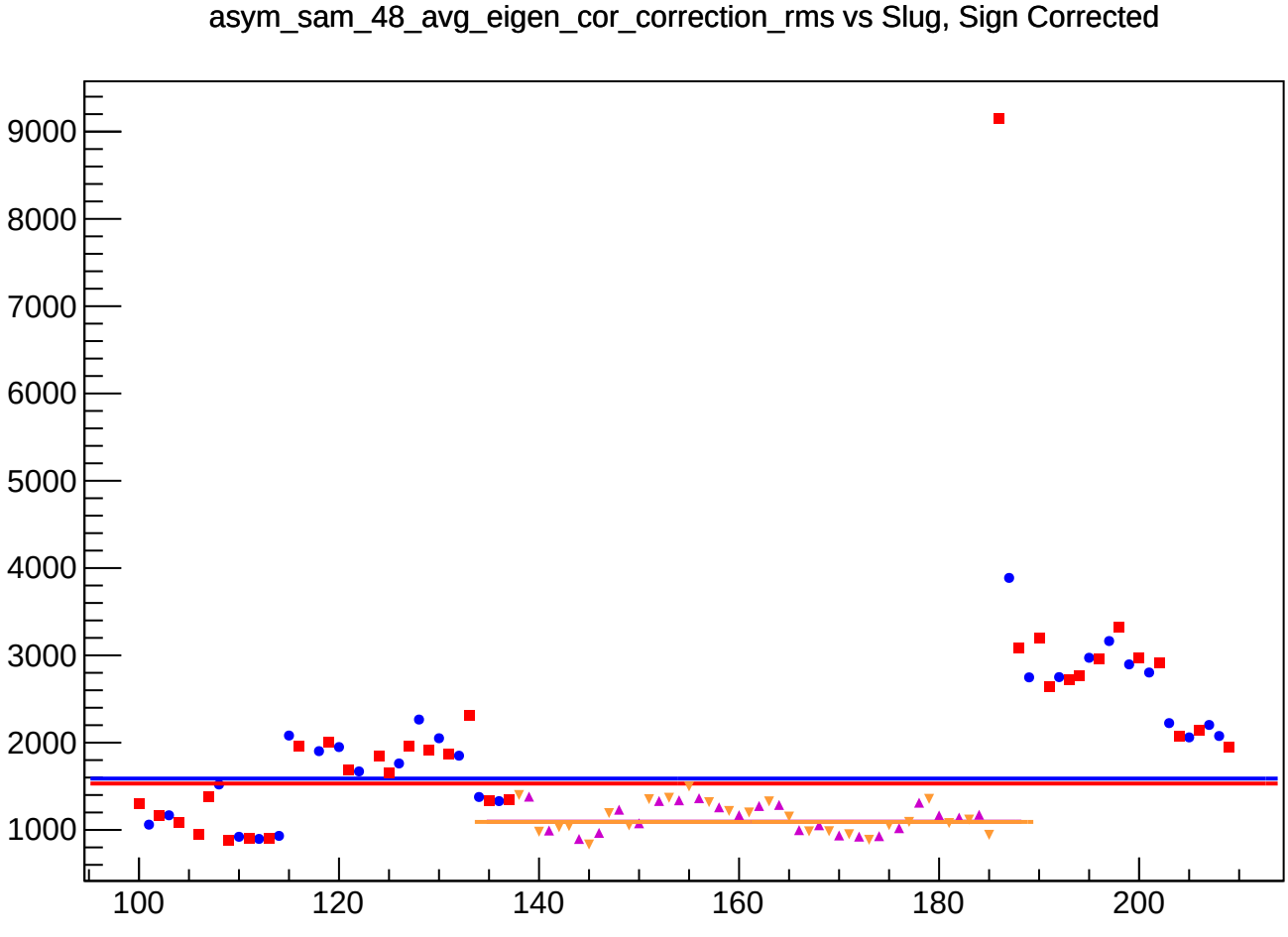
Left: -535.485+/-180.503 χ^2/NDF: 98.0/47

Right: 296.189+/-297.671 χ^2/NDF: 68.5/58

In: -56.379+/-222.211 χ^2/NDF:59.6/49

Out: -550.071+/-214.540 χ^2/NDF:110.0/56

All: -311.893+/-154.343 χ^2/NDF: 172.2/106



Right In: 1588.369+/-0.306 χ^2/NDF: 4482860.2/26

Left Out: 1091.979+/-0.178 χ^2/NDF:892441.9/24

Right Out: 1531.521+/-0.290 χ^2/NDF: 6327587.6/31

Left In: 1094.479+/-0.183 χ^2/NDF:732975.7/22

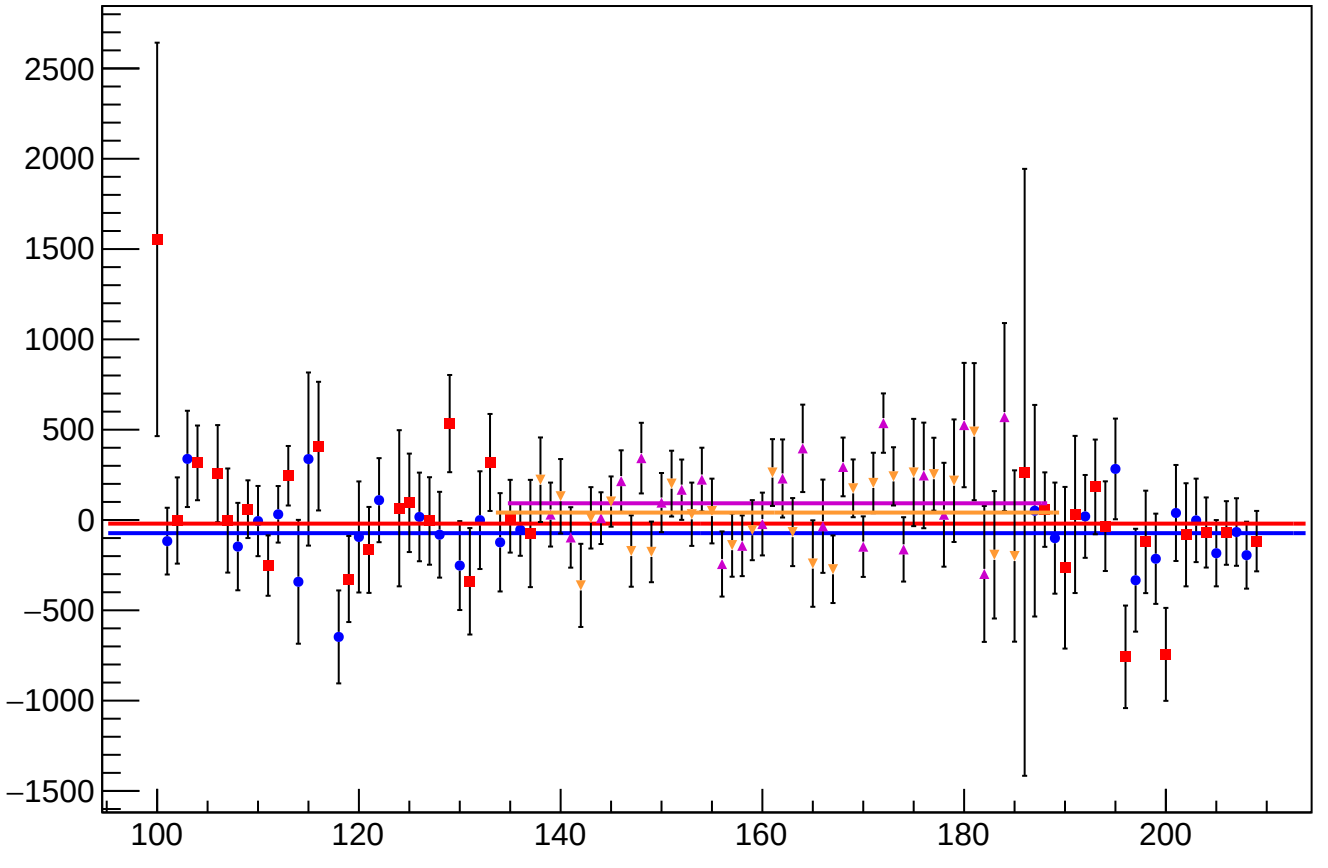
Left: 1093.194+/-0.128 χ^2/NDF: 1625513.3/47

Right: 1558.398+/-0.210 χ^2/NDF: 10828629.6/58

In: 1224.601+/-0.157 χ^2/NDF:7133077.8/49

Out: 1212.353+/-0.152 χ^2/NDF:8889438.7/56

All: 1218.262+/-0.109 χ^2/NDF: 16025661.4/1



Right In: -72.865+/-44.513 χ^2/NDF: 14.9/26

Left Out: 41.086+/-39.177 χ^2/NDF:22.3/24

Right Out: -20.093+/-42.820 χ^2/NDF: 37.8/31

Left In: 92.556+/-40.165 χ^2/NDF:29.5/22

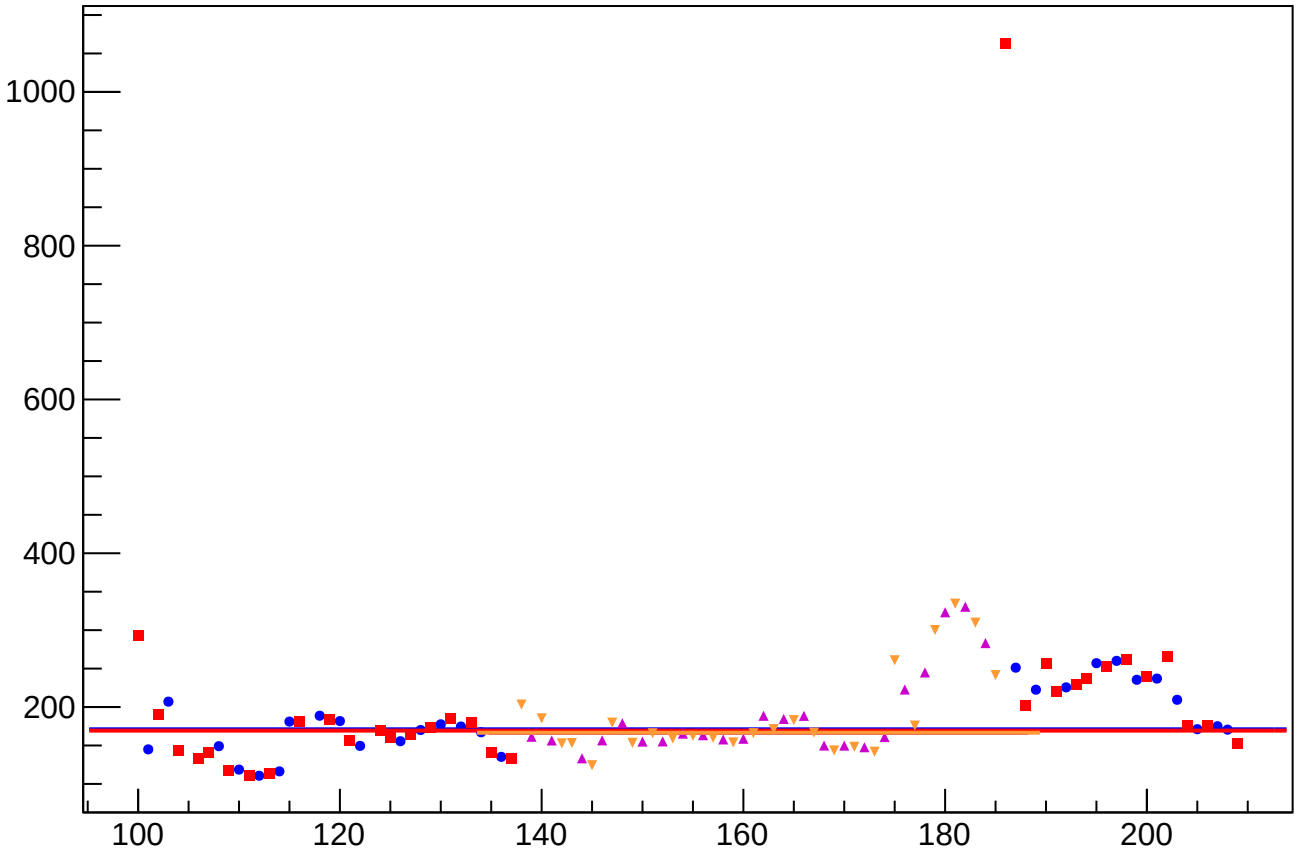
Left: 66.180+/-28.045 χ^2/NDF: 52.7/47

Right: -45.457+/-30.859 χ^2/NDF: 53.4/58

In: 18.315+/-29.820 χ^2/NDF:52.0/49

Out: 13.209+/-28.905 χ^2/NDF:61.2/56

All: 15.683+/-20.755 χ^2/NDF: 113.2/106



Right In: 171.053+/-0.031 χ^2/NDF: 1654340.5/26

Left Out: 166.599+/-0.028 χ^2/NDF:1719835.6/24

Right Out: 169.364+/-0.030 χ^2/NDF: 2666933.9/31

Left In: 166.308+/-0.028 χ^2/NDF:1392466.3/22

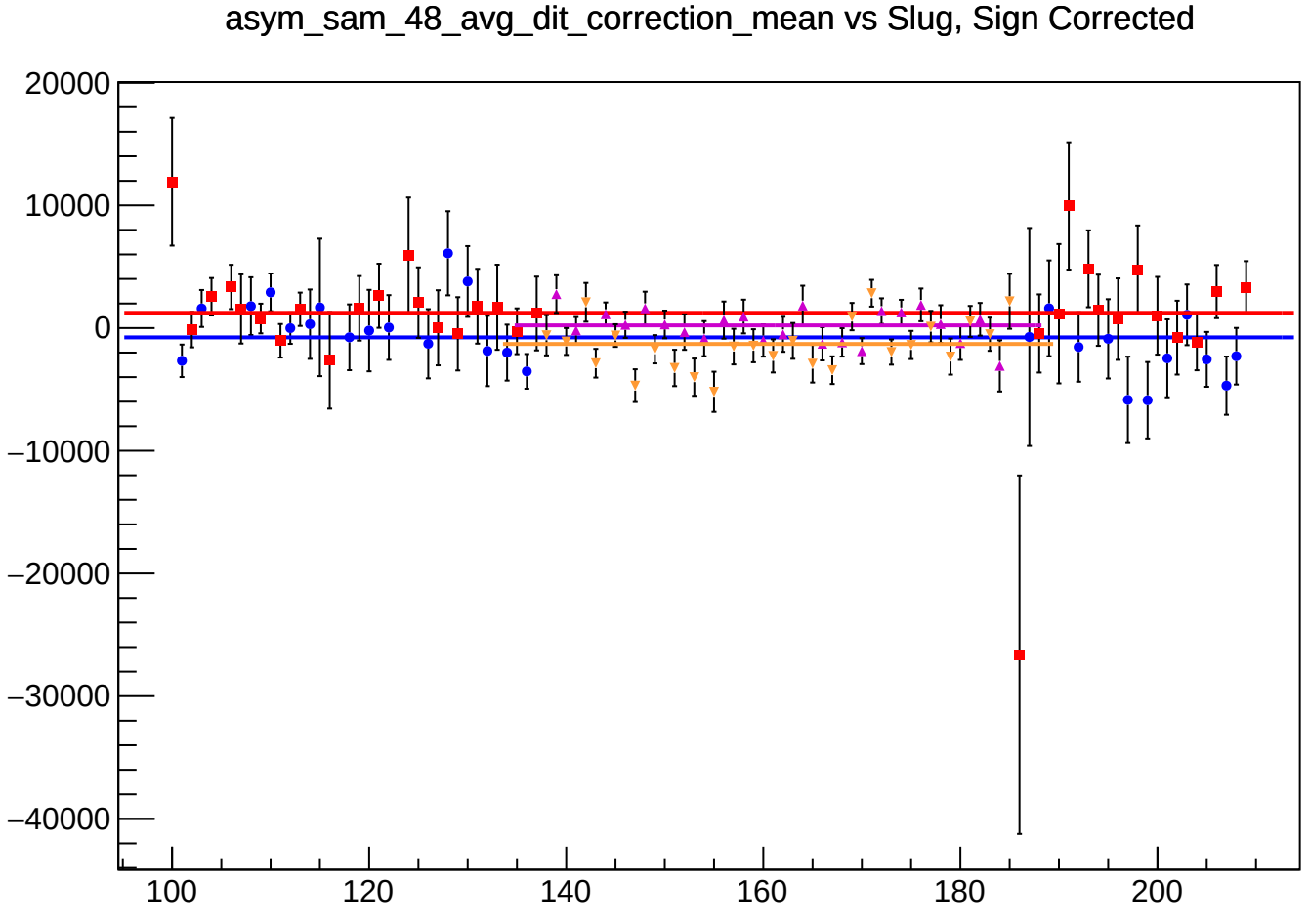
Left: 166.457+/-0.020 χ^2/NDF: 3112355.5/47

Right: 170.176+/-0.022 χ^2/NDF: 4322768.7/58

In: 168.437+/-0.021 χ^2/NDF:3059330.7/49

Out: 167.859+/-0.020 χ^2/NDF:4391311.1/56

All: 168.139+/-0.015 χ^2/NDF: 7451030.2/106



Right In: -761.101+/-437.934 χ^2/NDF: 32.9/26

Left Out: -1298.333+/-256.961 χ^2/NDF:55.1/24

Right Out: 1239.472+/-413.134 χ^2/NDF: 25.8/31

Left In: 217.285+/-264.388 χ^2/NDF:22.2/22

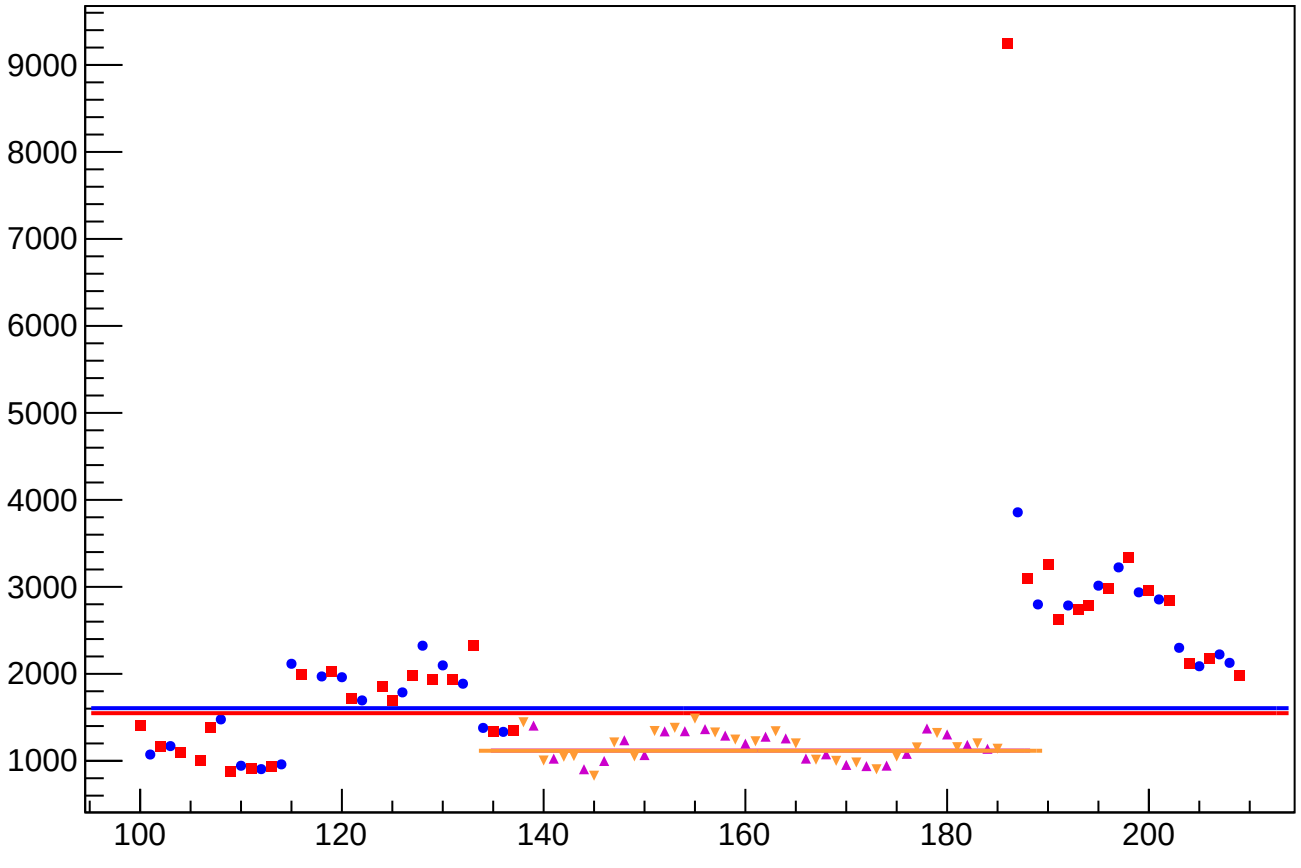
Left: -562.110+/-184.269 χ^2/NDF: 94.2/47

Right: 297.431+/-300.515 χ^2/NDF: 69.8/58

In: -44.059+/-226.339 χ^2/NDF:58.8/49

Out: -590.422+/-218.198 χ^2/NDF:108.1/56

All: -327.242+/-157.089 χ^2/NDF: 170.0/106



Right In: 1605.521+/-0.310 χ^2/NDF: 4549142.0/26

Left Out: 1116.034+/-0.182 χ^2/NDF:867489.3/24

Right Out: 1548.044+/-0.292 χ^2/NDF: 6283158.2/31

Left In: 1117.831+/-0.187 χ^2/NDF:729387.1/22

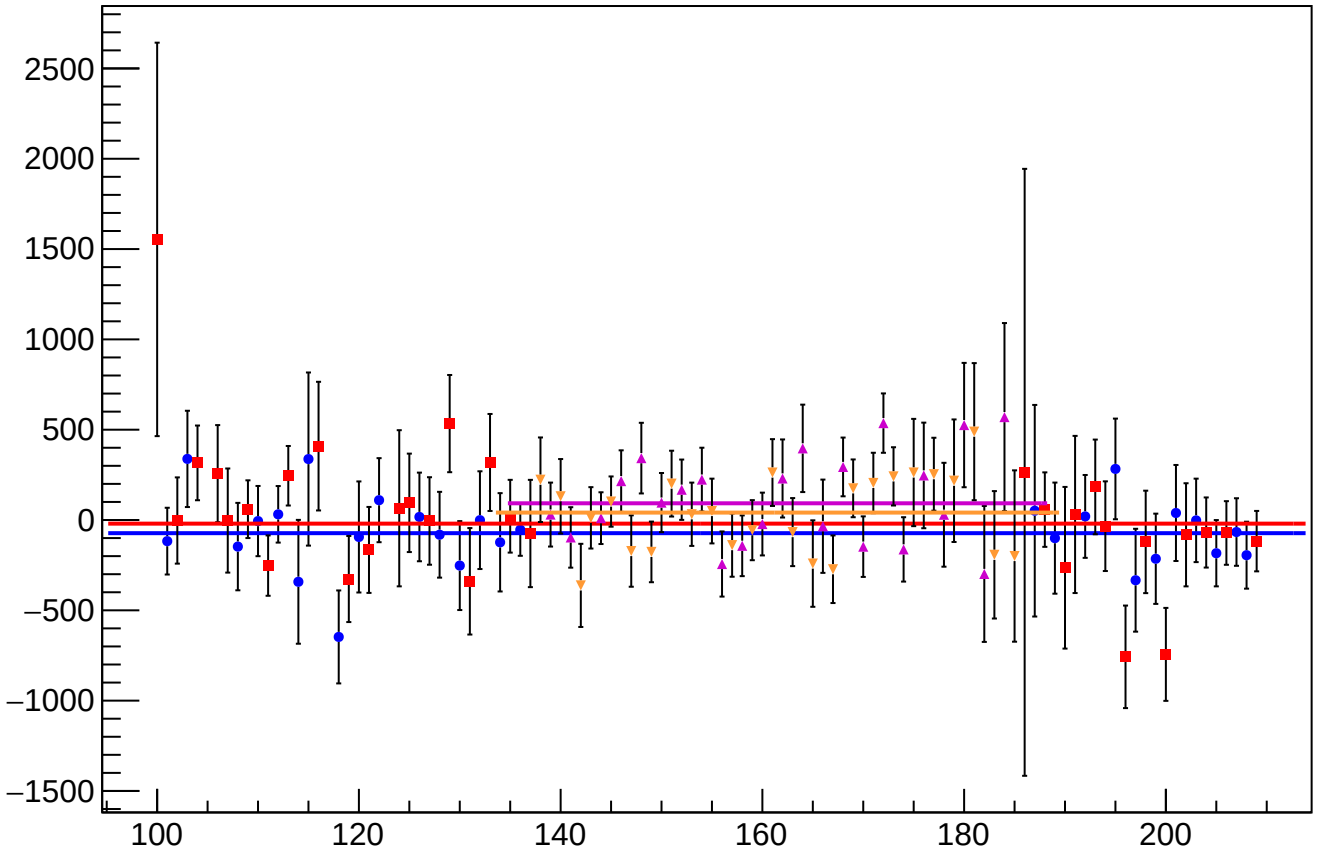
Left: 1116.907+/-0.130 χ^2/NDF: 1596924.0/47

Right: 1575.109+/-0.212 χ^2/NDF: 10850529.0/58

In: 1248.102+/-0.160 χ^2/NDF:7096286.6/49

Out: 1236.541+/-0.154 χ^2/NDF:8727543.2/56

All: 1242.110+/-0.111 χ^2/NDF: 15826534.1/1



Right In: -72.863+/-44.512 χ^2/NDF: 14.9/26

Left Out: 41.088+/-39.177 χ^2/NDF:22.3/24

Right Out: -20.095+/-42.820 χ^2/NDF: 37.8/31

Left In: 92.556+/-40.165 χ^2/NDF:29.5/22

Left: 66.181+/-28.045 χ^2/NDF: 52.7/47

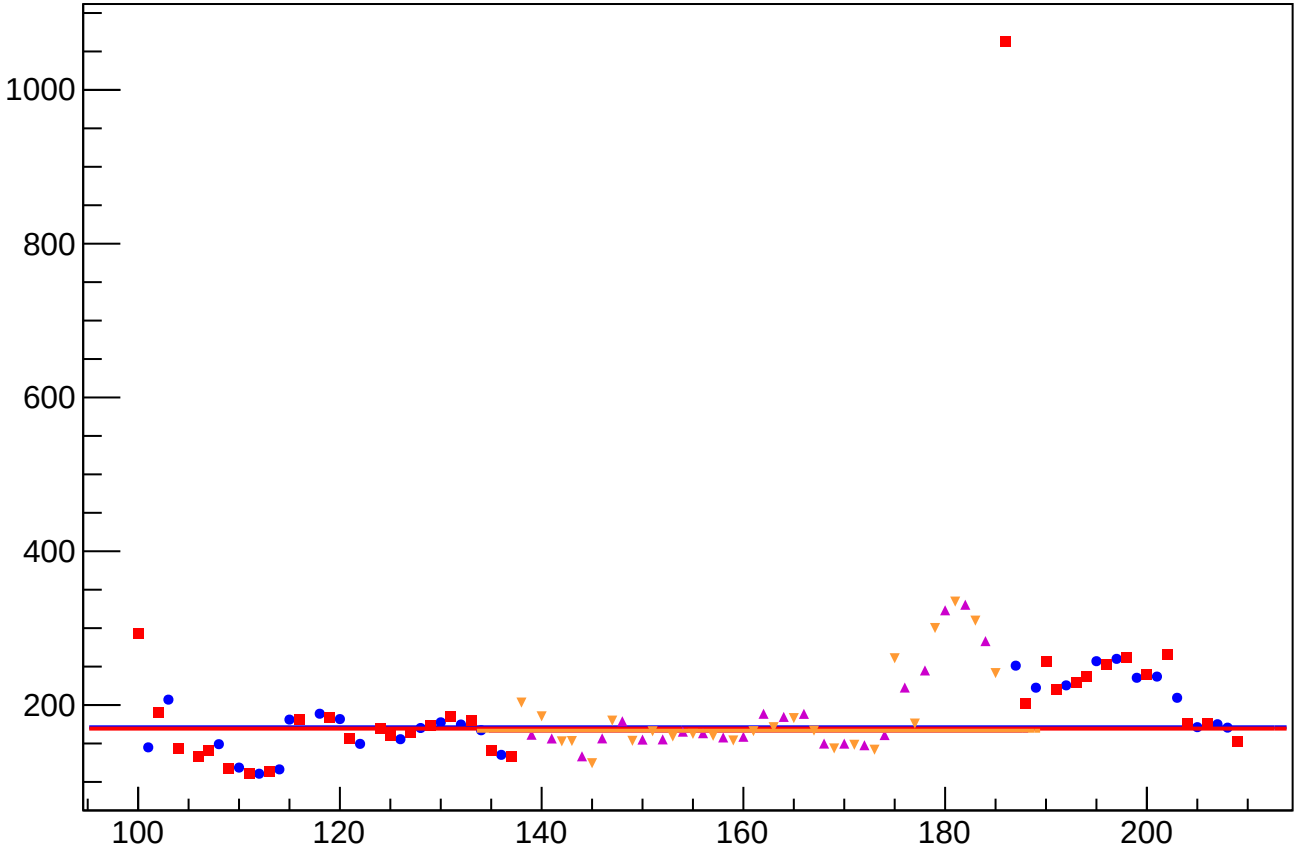
Right: -45.456+/-30.859 χ^2/NDF: 53.4/58

In: 18.316+/-29.820 χ^2/NDF:52.0/49

Out: 13.210+/-28.905 χ^2/NDF:61.2/56

All: 15.684+/-20.755 χ^2/NDF: 113.2/106

eigen_dit_asym_sam_48_avg_rms vs Slug, Sign Corrected



Right In: 171.052+/-0.031 χ^2/NDF: 1654328.5/26

Left Out: 166.599+/-0.028 χ^2/NDF:1719829.4/24

Right Out: 169.364+/-0.030 χ^2/NDF: 2666939.9/31

Left In: 166.308+/-0.028 χ^2/NDF:1392446.1/22

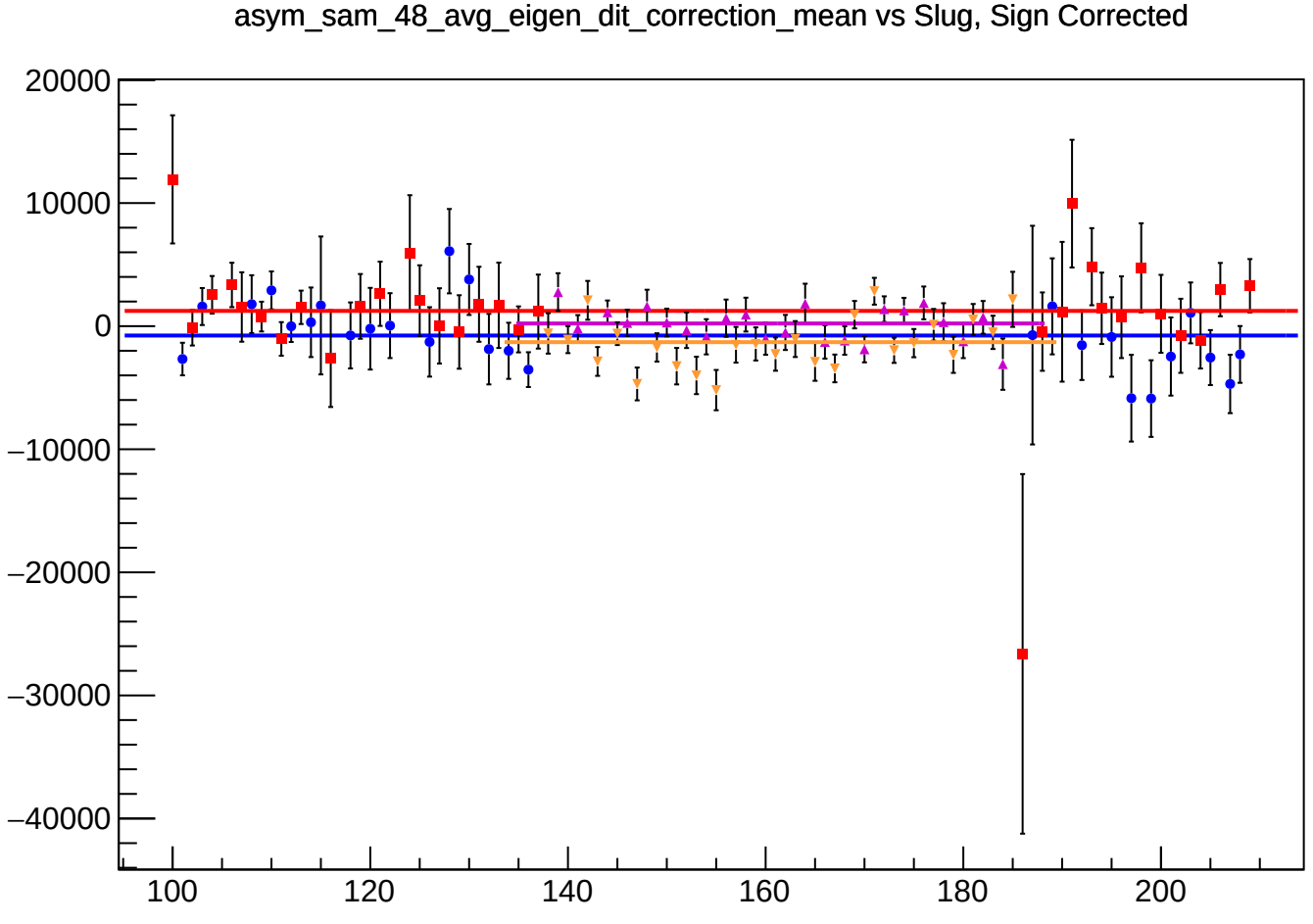
Left: 166.457+/-0.020 χ^2/NDF: 3112329.1/47

Right: 170.176+/-0.022 χ^2/NDF: 4322762.6/58

In: 168.437+/-0.021 χ^2/NDF:3059297.0/49

Out: 167.859+/-0.020 χ^2/NDF:4391310.0/56

All: 168.139+/-0.015 χ^2/NDF: 7450995.2/106



Right In: -761.099+/-437.933 χ^2/NDF: 32.9/26

Left Out: -1298.330+/-256.961 χ^2/NDF:55.1/24

Right Out: 1239.470+/-413.134 χ^2/NDF: 25.8/31

Left In: 217.283+/-264.388 χ^2/NDF:22.2/22

Left: -562.109+/-184.268 χ^2/NDF: 94.2/47

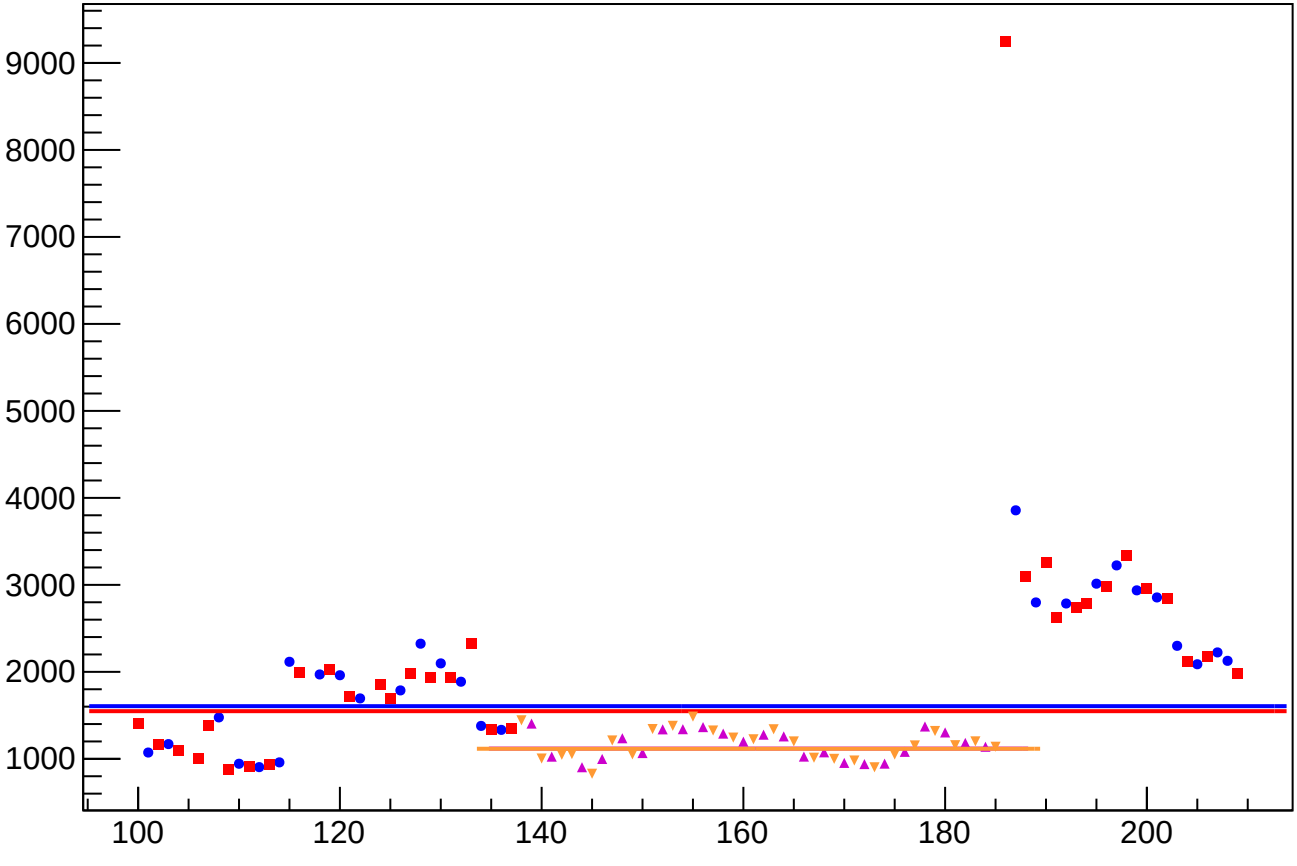
Right: 297.430+/-300.515 χ^2/NDF: 69.8/58

In: -44.059+/-226.339 χ^2/NDF:58.8/49

Out: -590.421+/-218.198 χ^2/NDF:108.1/56

All: -327.242+/-157.088 χ^2/NDF: 170.0/106

asym_sam_48_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 1605.520+/-0.310 χ^2/NDF: 4549144.8/26

Left Out: 1116.032+/-0.182 χ^2/NDF:867491.2/24

Right Out: 1548.042+/-0.292 χ^2/NDF: 6283158.2/31

Left In: 1117.829+/-0.187 χ^2/NDF:729386.0/22

Left: 1116.905+/-0.130 χ^2/NDF: 1596924.8/47

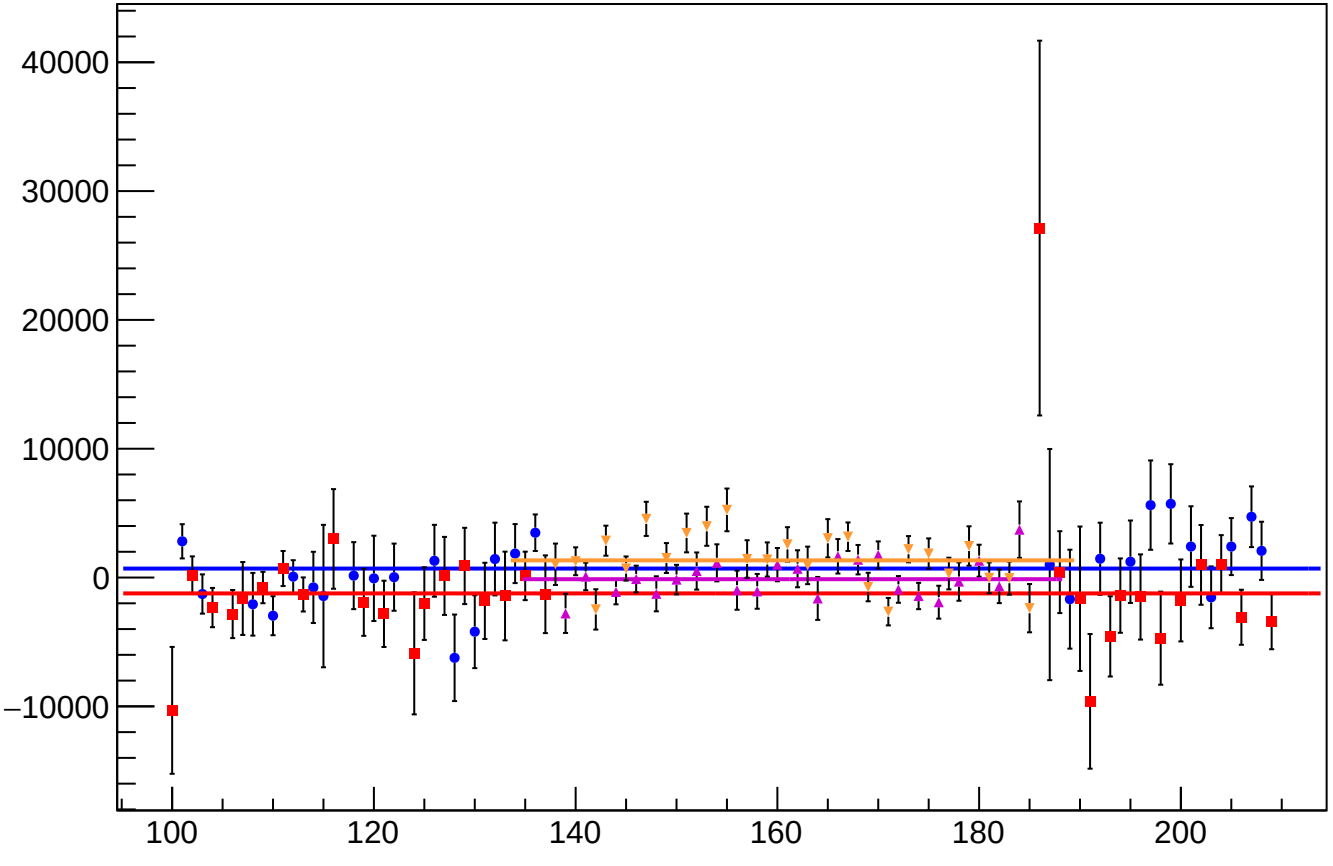
Right: 1575.108+/-0.212 χ^2/NDF: 10850531.8/58

In: 1248.100+/-0.160 χ^2/NDF:7096294.4/49

Out: 1236.539+/-0.154 χ^2/NDF:8727551.9/56

All: 1242.108+/-0.111 χ^2/NDF: 15826550.6/1

asym_sam_48_avg_mean vs Slug, Sign Corrected



Right In: 696.937+/-435.616 χ^2/NDF: 33.9/26

Left Out: 1334.704+/-254.187 χ^2/NDF:55.7/24

Right Out: -1231.751+/-412.015 χ^2/NDF: 23.9/31

Left In: -128.368+/-261.415 χ^2/NDF:24.0/22

Left: 623.675+/-182.239 χ^2/NDF: 95.8/47

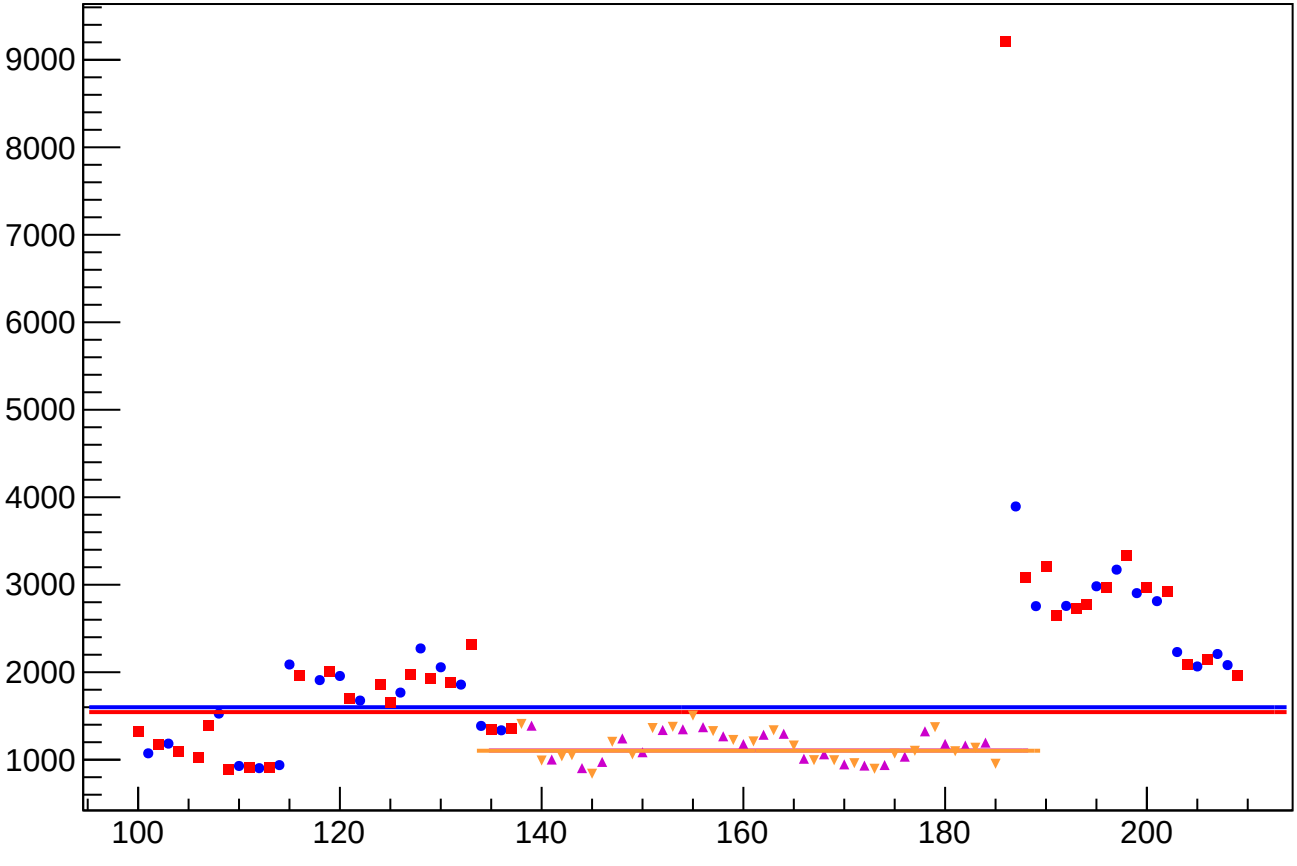
Right: -321.067+/-299.335 χ^2/NDF: 68.1/58

In: 90.151+/-224.151 χ^2/NDF:60.5/49

Out: 627.178+/-216.331 χ^2/NDF:107.6/56

All: 368.197+/-155.660 χ^2/NDF: 171.1/106

asym_sam_48_avg_rms vs Slug, Sign Corrected



Right In: 1599.885+/-0.308 χ^2/NDF: 4428269.7/26

Left Out: 1102.700+/-0.180 χ^2/NDF:880468.6/24

Right Out: 1544.218+/-0.291 χ^2/NDF: 6240293.6/31

Left In: 1105.200+/-0.185 χ^2/NDF:723304.5/22

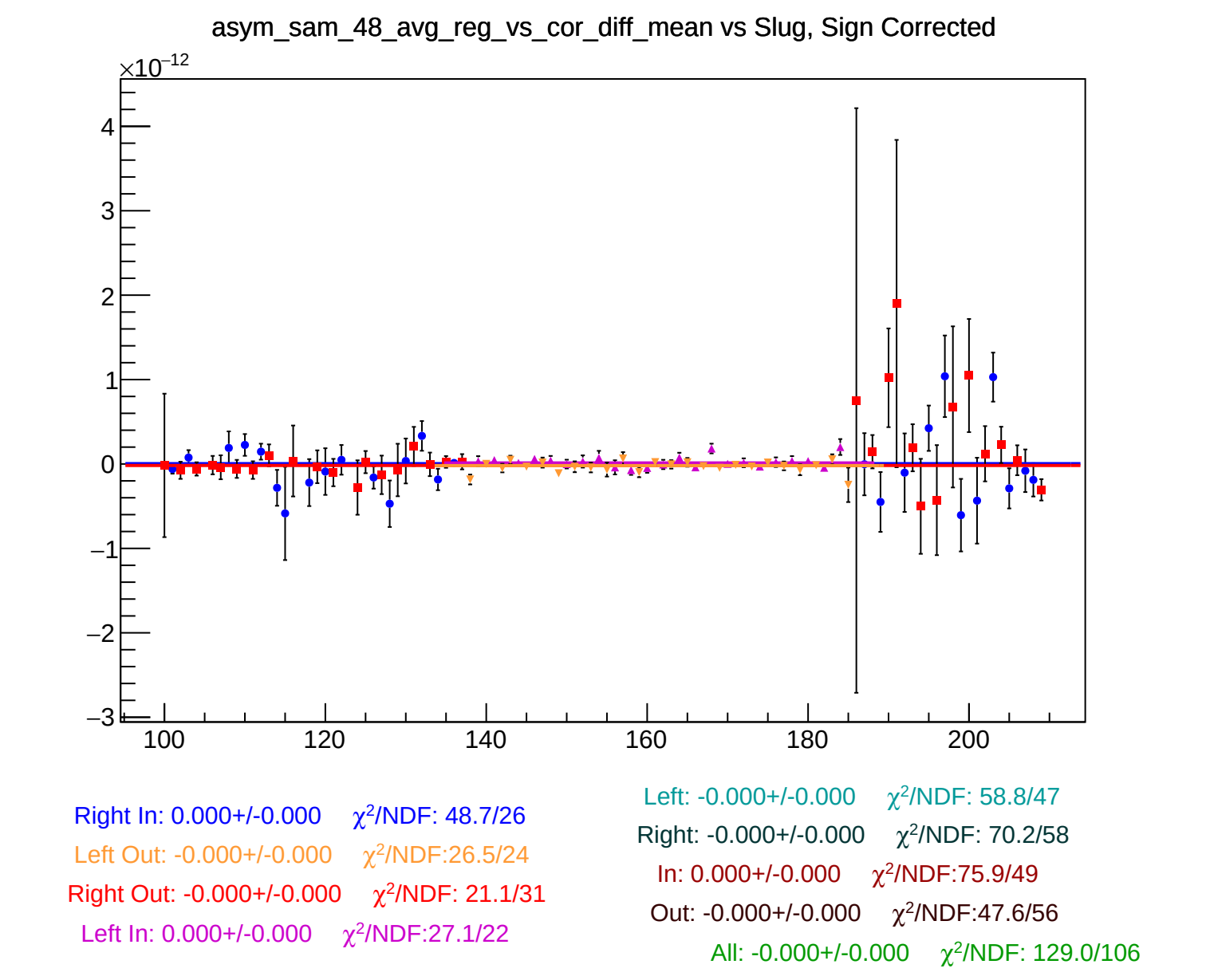
Left: 1103.915+/-0.129 χ^2/NDF: 1603867.1/47

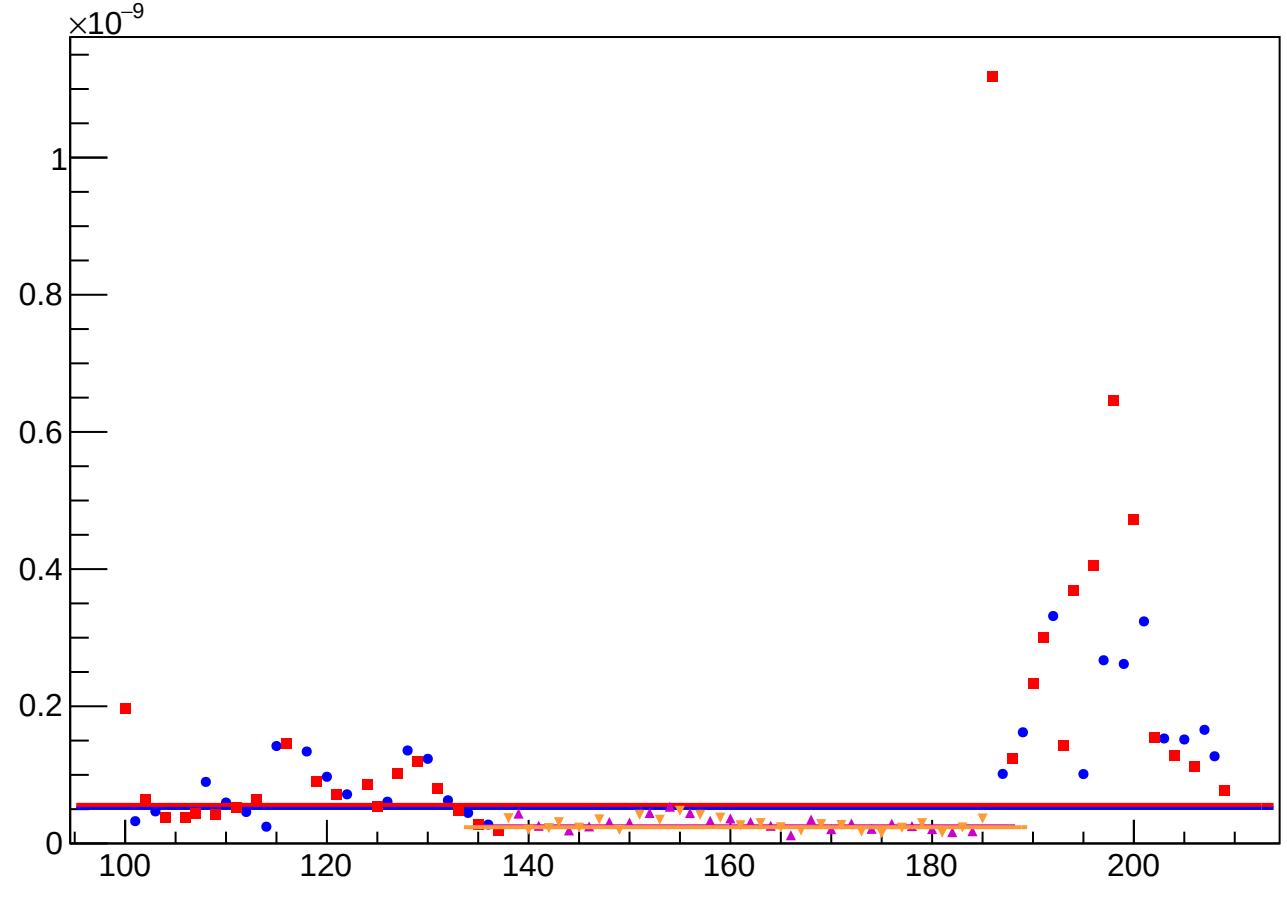
Right: 1570.503+/-0.212 χ^2/NDF: 10685802.0/58

In: 1236.179+/-0.158 χ^2/NDF:7047850.0/49

Out: 1224.419+/-0.153 χ^2/NDF:8784286.5/56

All: 1230.090+/-0.110 χ^2/NDF: 15834987.0/


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
Right In: 0.000+/-0.000 χ²/NDF: 48.7/26
Left Out: -0.000+/-0.000 χ²/NDF:26.5/24
Right Out: -0.000+/-0.000 χ²/NDF: 21.1/31
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: 70.2/58
In: 0.000+/-0.000 χ²/NDF:75.9/49
Out: -0.000+/-0.000 χ²/NDF:47.6/56
All: -0.000+/-0.000 χ²/NDF: 129.0/106



Right In: 0.000+/-0.000 χ^2/NDF: 5349774.7/26

Left Out: 0.000+/-0.000 χ^2/NDF:1433511.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 5572901.8/31

Left In: 0.000+/-0.000 χ^2/NDF:1544727.7/22

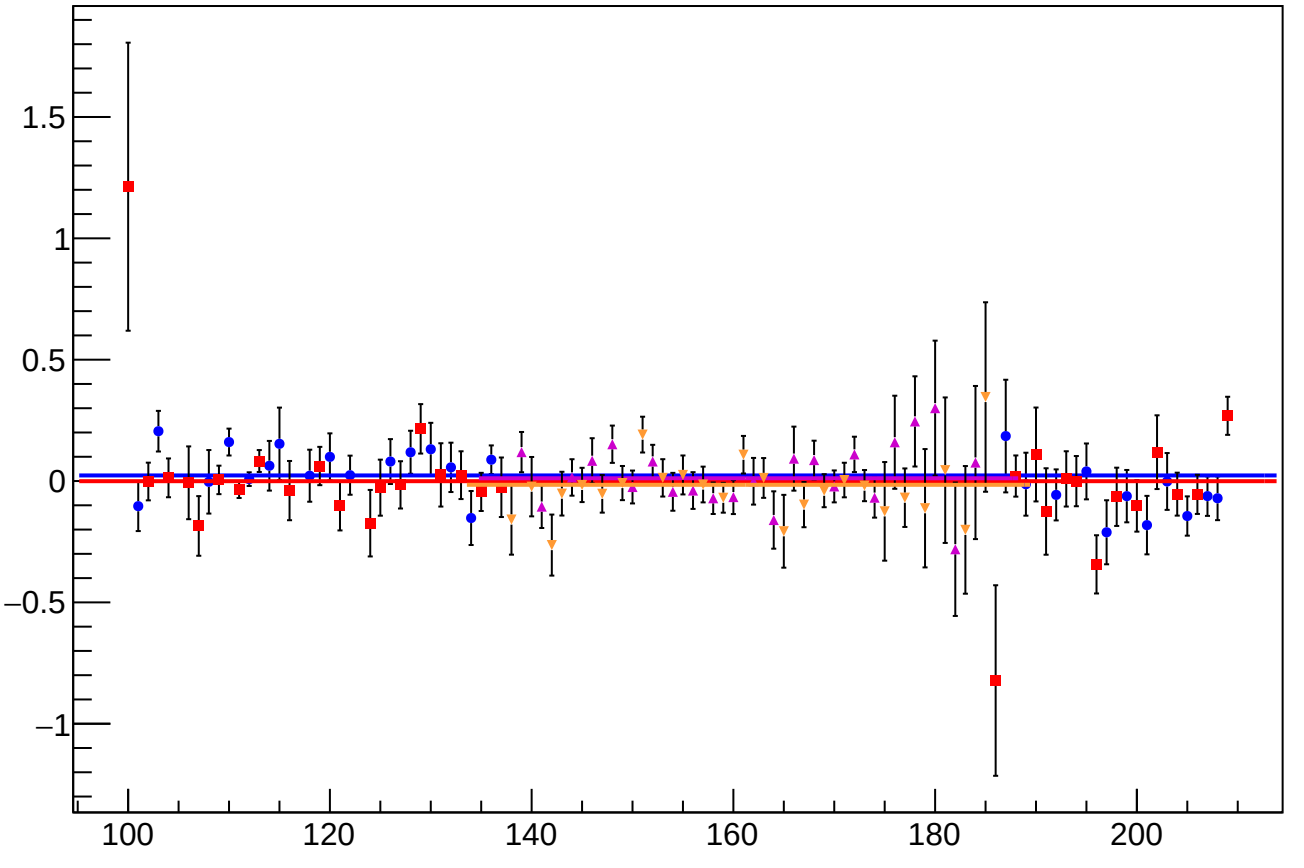
Left: 0.000+/-0.000 χ^2/NDF: 2998078.9/47

Right: 0.000+/-0.000 χ^2/NDF: 10951834.6/58

In: 0.000+/-0.000 χ^2/NDF:8763228.3/49

Out: 0.000+/-0.000 χ^2/NDF:9625828.9/56

All: 0.000+/-0.000 χ^2/NDF: 18418597.4/106



Right In: 0.023+/-0.016 χ^2/NDF: 34.9/26

Left Out: -0.016+/-0.018 χ^2/NDF:21.6/24

Right Out: -0.001+/-0.015 χ^2/NDF: 47.1/31

Left In: 0.011+/-0.018 χ^2/NDF:23.3/22

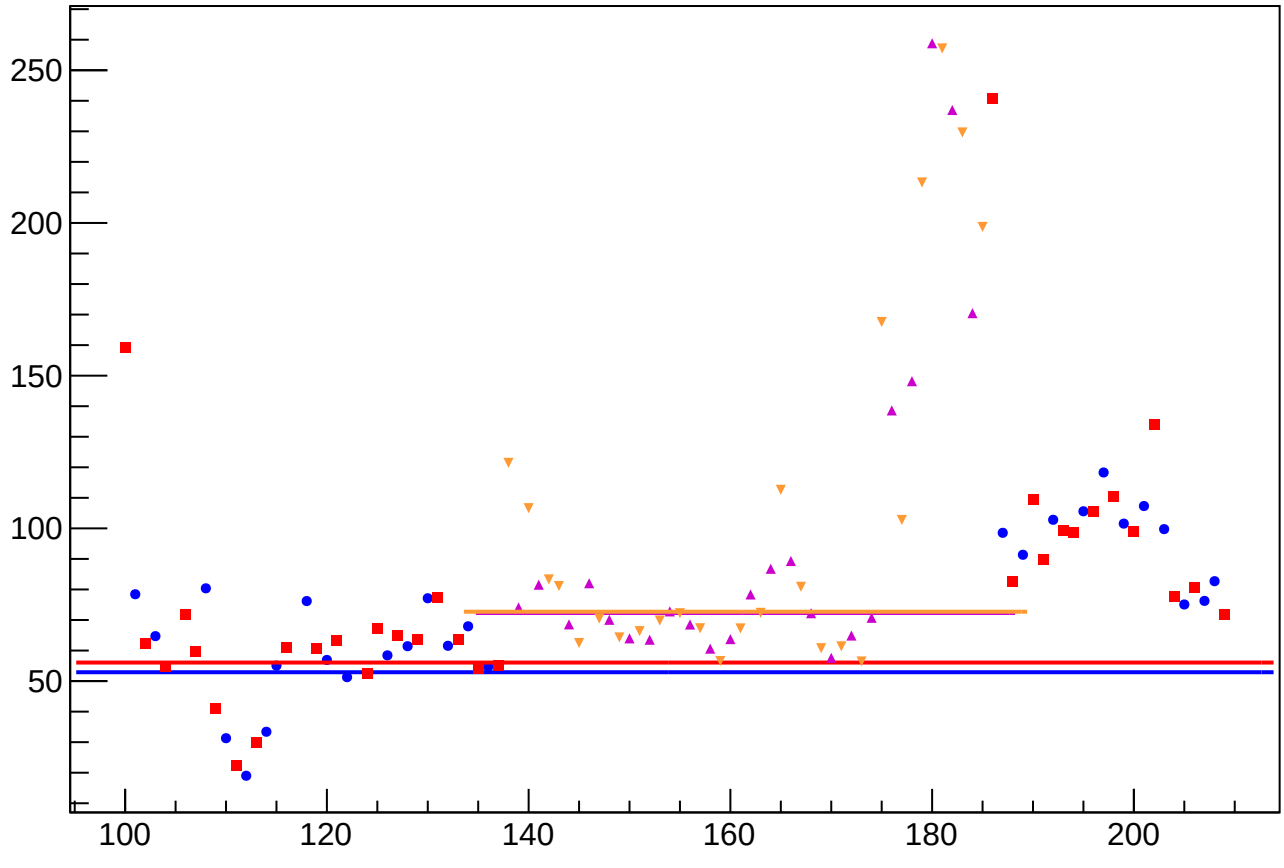
Left: -0.002+/-0.013 χ^2/NDF: 46.1/47

Right: 0.011+/-0.011 χ^2/NDF: 83.2/58

In: 0.018+/-0.012 χ^2/NDF:58.5/49

Out: -0.007+/-0.012 χ^2/NDF:69.1/56

All: 0.005+/-0.008 χ^2/NDF: 129.9/106



Right In: 52.896+/-0.011 χ^2/NDF: 7085722.8/26

Left Out: 72.715+/-0.013 χ^2/NDF:3961158.6/24

Right Out: 56.068+/-0.011 χ^2/NDF: 6458172.0/31

Left In: 72.298+/-0.013 χ^2/NDF:2790214.3/22

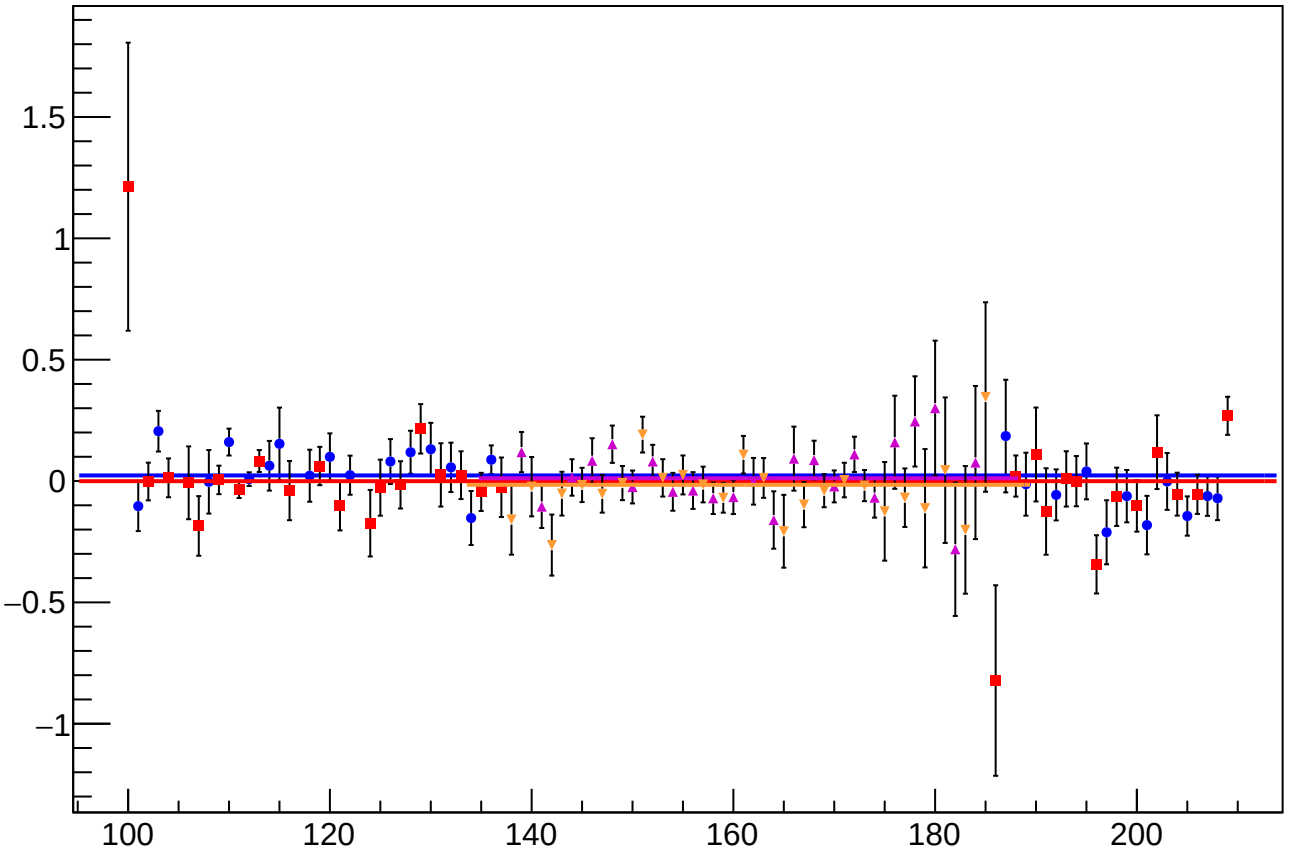
Left: 72.510+/-0.009 χ^2/NDF: 6751905.2/47

Right: 54.498+/-0.008 χ^2/NDF: 13585750.7/58

In: 61.072+/-0.008 χ^2/NDF:11183113.2/49

Out: 63.137+/-0.008 χ^2/NDF:11407844.0/56

All: 62.117+/-0.006 χ^2/NDF: 22621706.6/106



Right In: 0.023+/-0.016 χ^2/NDF: 34.9/26

Left Out: -0.016+/-0.018 χ^2/NDF:21.6/24

Right Out: -0.001+/-0.015 χ^2/NDF: 47.1/31

Left In: 0.011+/-0.018 χ^2/NDF:23.3/22

Left: -0.002+/-0.013 χ^2/NDF: 46.1/47

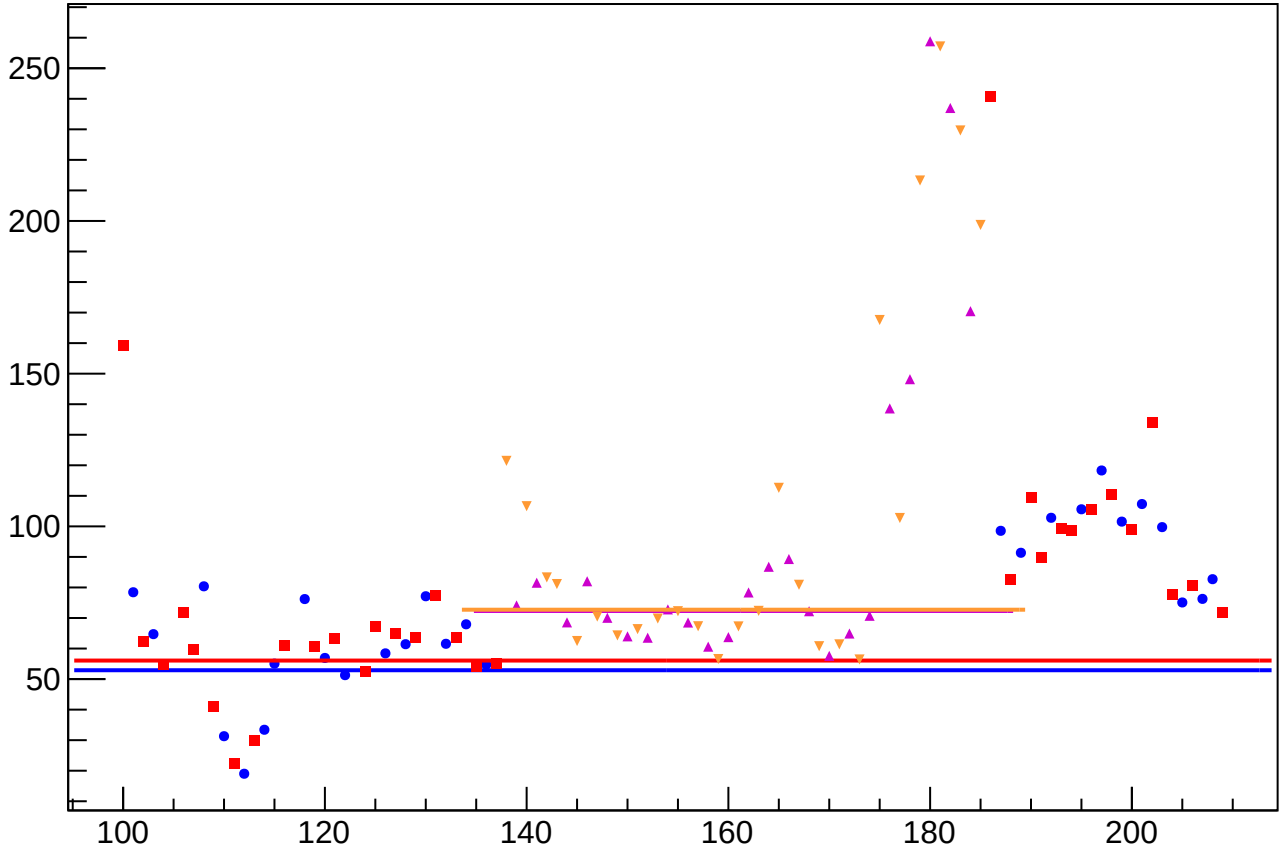
Right: 0.011+/-0.011 χ^2/NDF: 83.2/58

In: 0.018+/-0.012 χ^2/NDF:58.5/49

Out: -0.007+/-0.012 χ^2/NDF:69.1/56

All: 0.005+/-0.008 χ^2/NDF: 129.9/106

asym_sam_48_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 52.896+/-0.011 χ^2/NDF: 7085722.8/26

Left Out: 72.715+/-0.013 χ^2/NDF:3961158.6/24

Right Out: 56.068+/-0.011 χ^2/NDF: 6458172.0/31

Left In: 72.298+/-0.013 χ^2/NDF:2790214.3/22

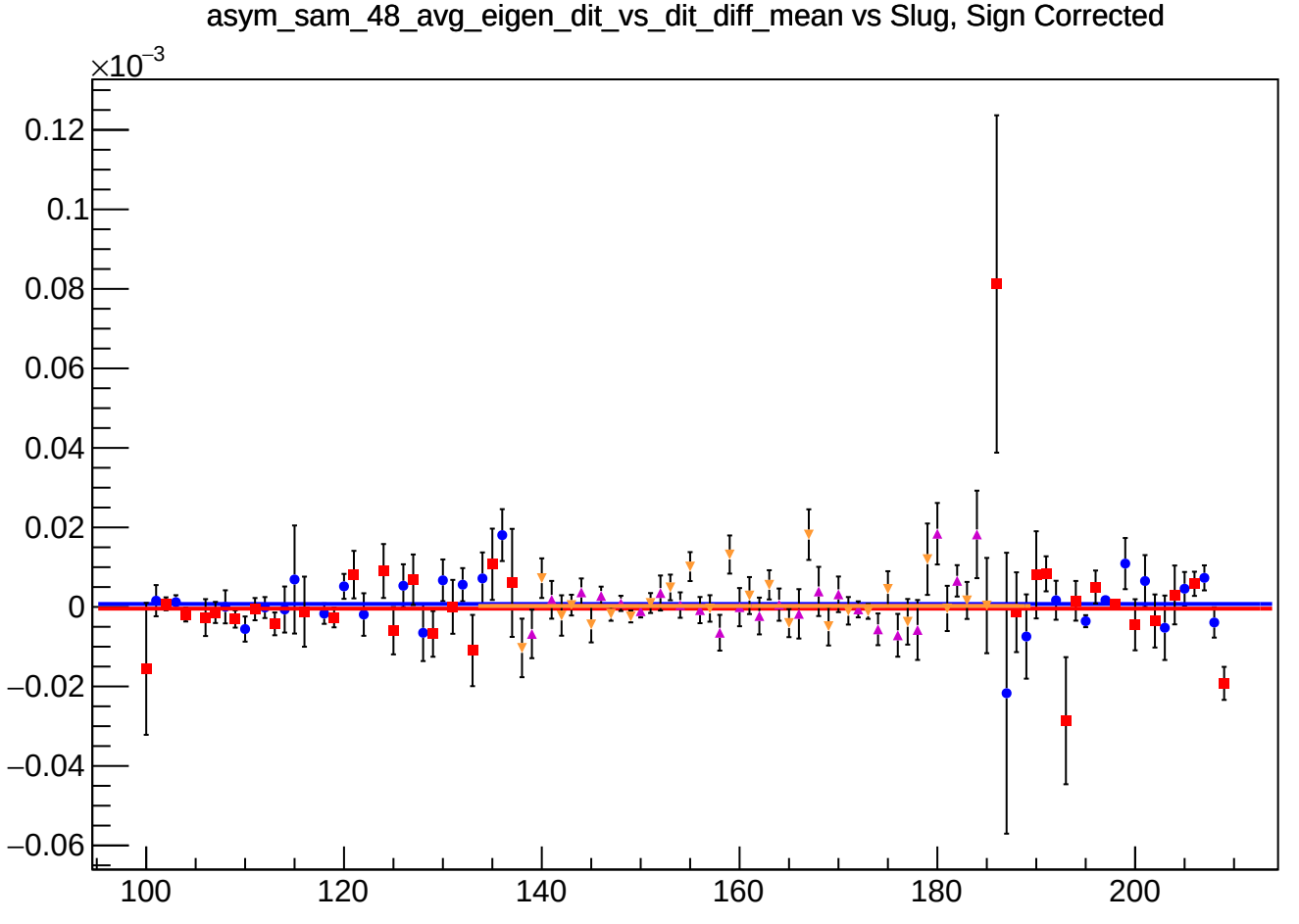
Left: 72.510+/-0.009 χ^2/NDF: 6751905.2/47

Right: 54.498+/-0.008 χ^2/NDF: 13585750.7/58

In: 61.072+/-0.008 χ^2/NDF:11183113.2/49

Out: 63.137+/-0.008 χ^2/NDF:11407844.0/56

All: 62.117+/-0.006 χ^2/NDF: 22621706.6/106



Right In: 0.000+/-0.000 χ^2/NDF: 40.4/26

Left Out: 0.000+/-0.000 χ^2/NDF:43.4/24

Right Out: -0.000+/-0.000 χ^2/NDF: 57.0/31

Left In: 0.000+/-0.000 χ^2/NDF:24.1/22

Left: 0.000+/-0.000 χ^2/NDF: 67.4/47

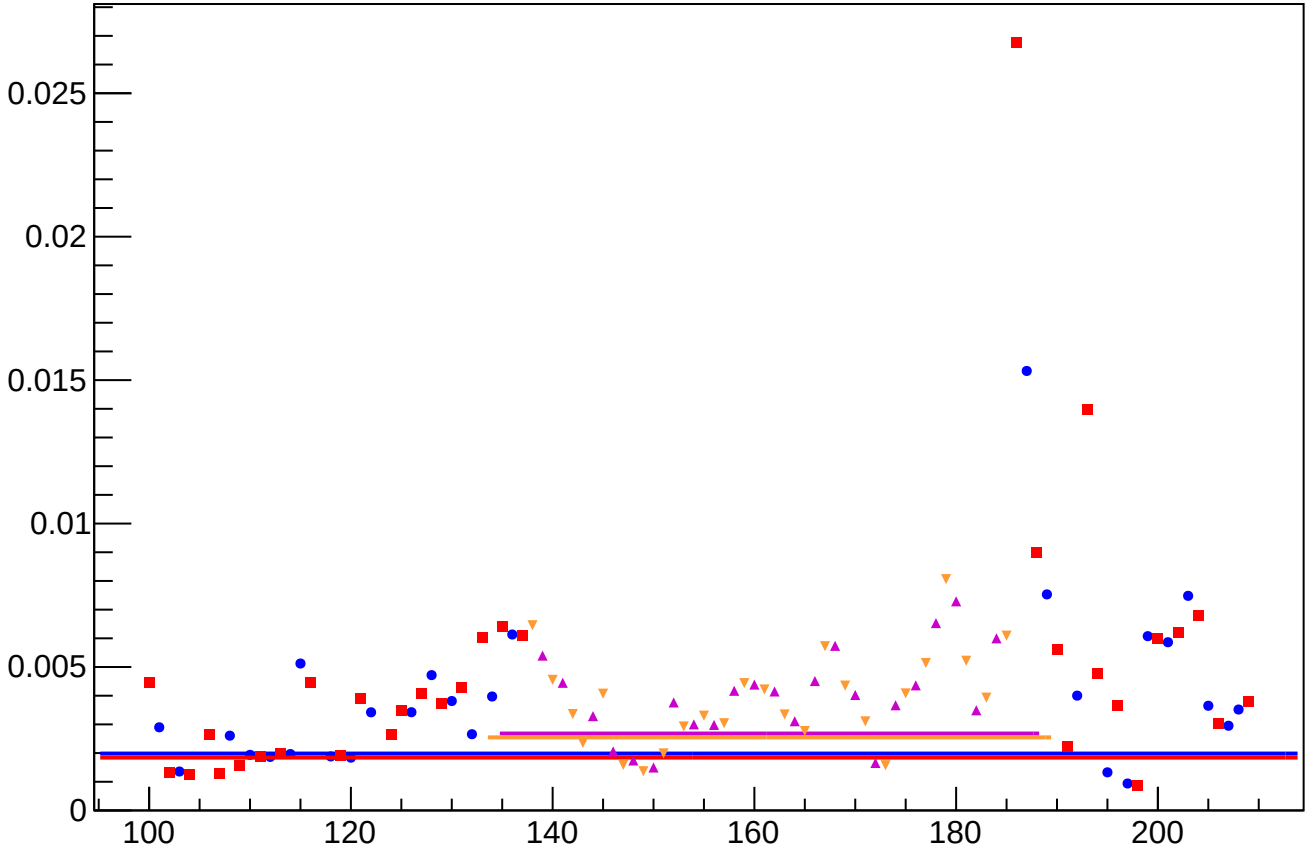
Right: 0.000+/-0.000 χ^2/NDF: 99.4/58

In: 0.000+/-0.000 χ^2/NDF:64.7/49

Out: -0.000+/-0.000 χ^2/NDF:101.0/56

All: 0.000+/-0.000 χ^2/NDF: 166.8/106

asym_sam_48_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.002+/-0.000 χ^2/NDF: 8648711.2/26

Left Out: 0.003+/-0.000 χ^2/NDF:7499900.9/24

Right Out: 0.002+/-0.000 χ^2/NDF: 12512920.6/31

Left In: 0.003+/-0.000 χ^2/NDF:6504235.2/22

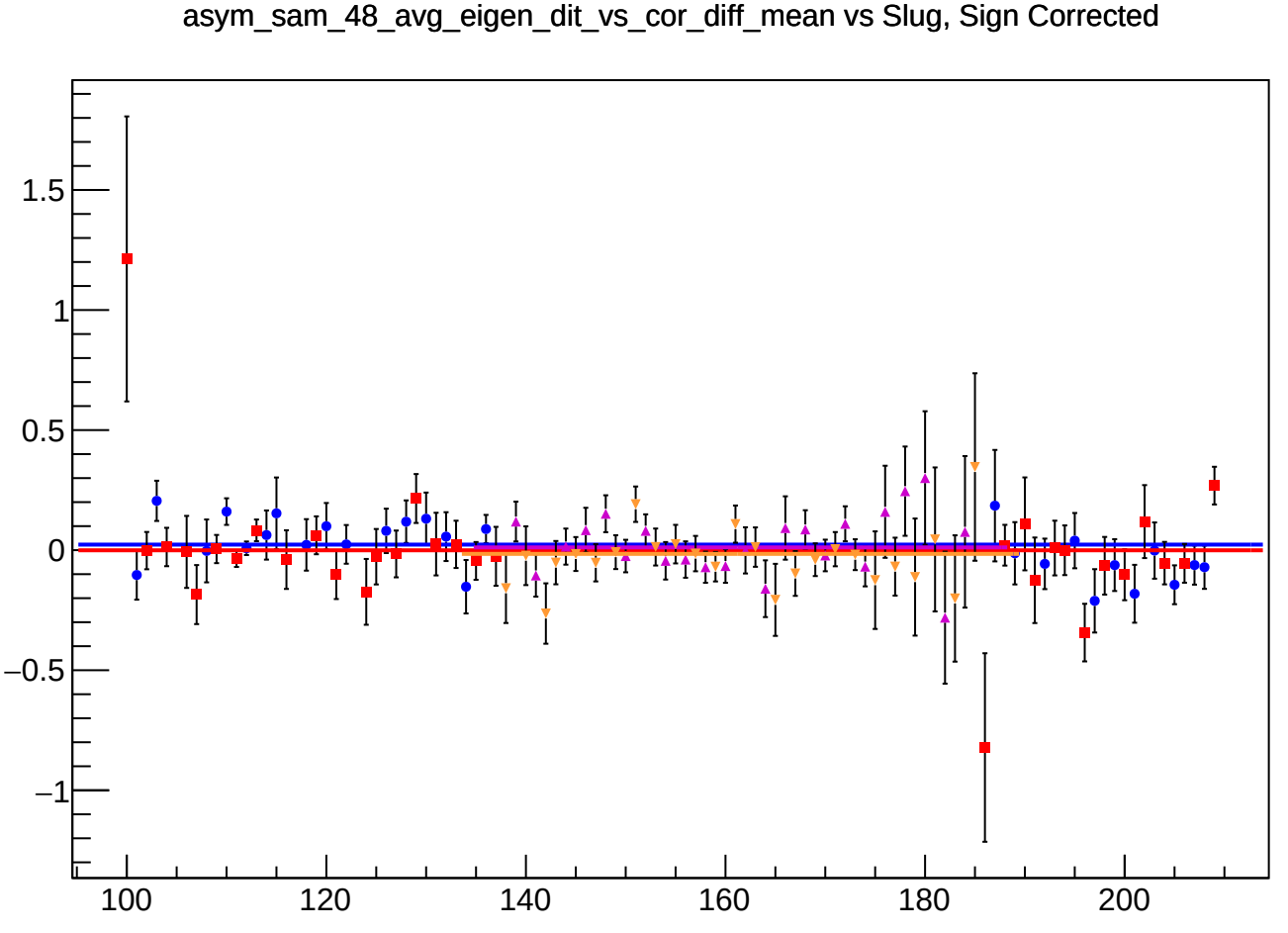
Left: 0.003+/-0.000 χ^2/NDF: 14042947.3/47

Right: 0.002+/-0.000 χ^2/NDF: 21218308.4/58

In: 0.002+/-0.000 χ^2/NDF:16264433.1/49

Out: 0.002+/-0.000 χ^2/NDF:21335486.2/56

All: 0.002+/-0.000 χ^2/NDF: 37695052.2/106



Right In: 0.023+/-0.016 χ^2/NDF: 34.9/26

Left Out: -0.016+/-0.018 χ^2/NDF:21.6/24

Right Out: -0.001+/-0.015 χ^2/NDF: 47.1/31

Left In: 0.011+/-0.018 χ^2/NDF:23.3/22

Left: -0.002+/-0.013 χ^2/NDF: 46.1/47

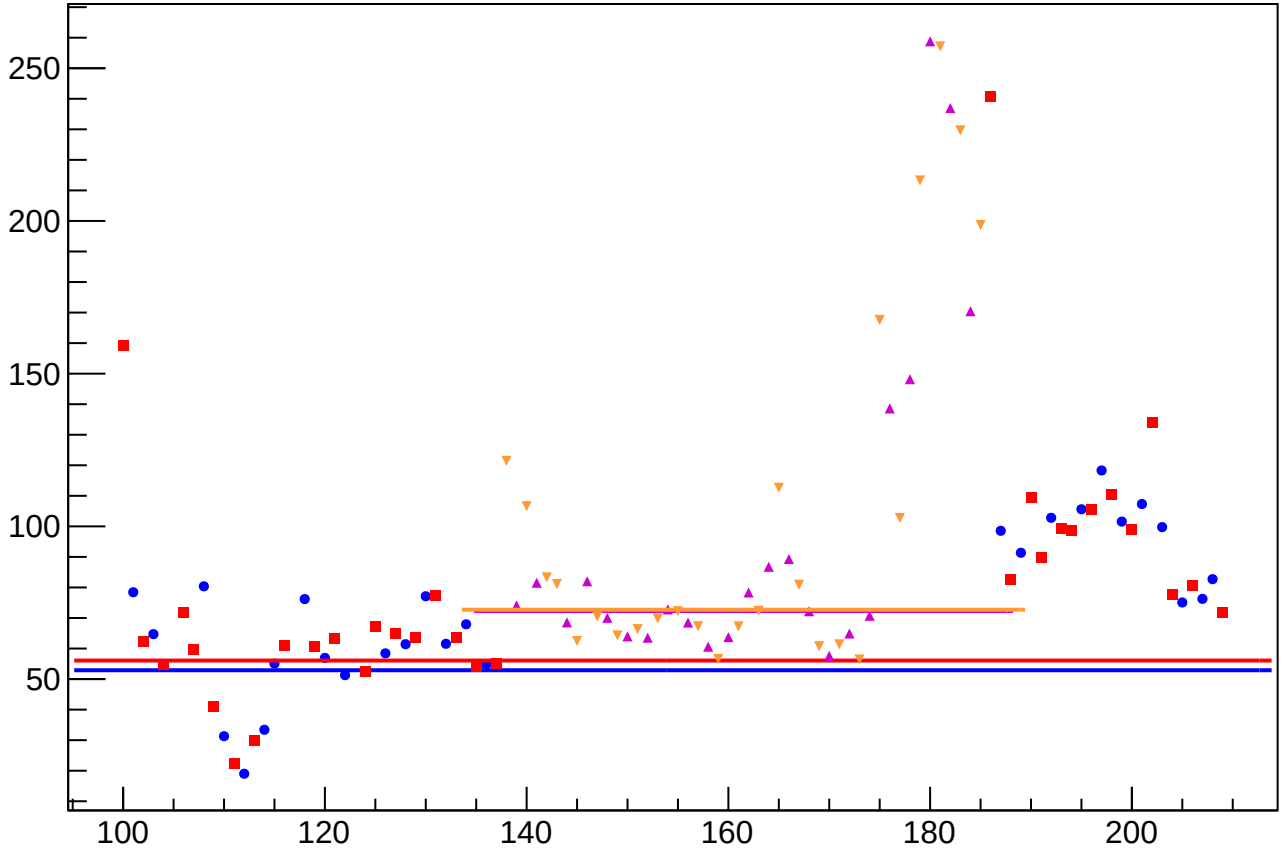
Right: 0.011+/-0.011 χ^2/NDF: 83.2/58

In: 0.018+/-0.012 χ^2/NDF:58.5/49

Out: -0.007+/-0.012 χ^2/NDF:69.1/56

All: 0.005+/-0.008 χ^2/NDF: 129.9/106

asym_sam_48_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 52.895+/-0.011 χ^2/NDF: 7085989.8/26

Left Out: 72.716+/-0.013 χ^2/NDF:3961100.5/24

Right Out: 56.067+/-0.011 χ^2/NDF: 6458499.9/31

Left In: 72.298+/-0.013 χ^2/NDF:2790146.5/22

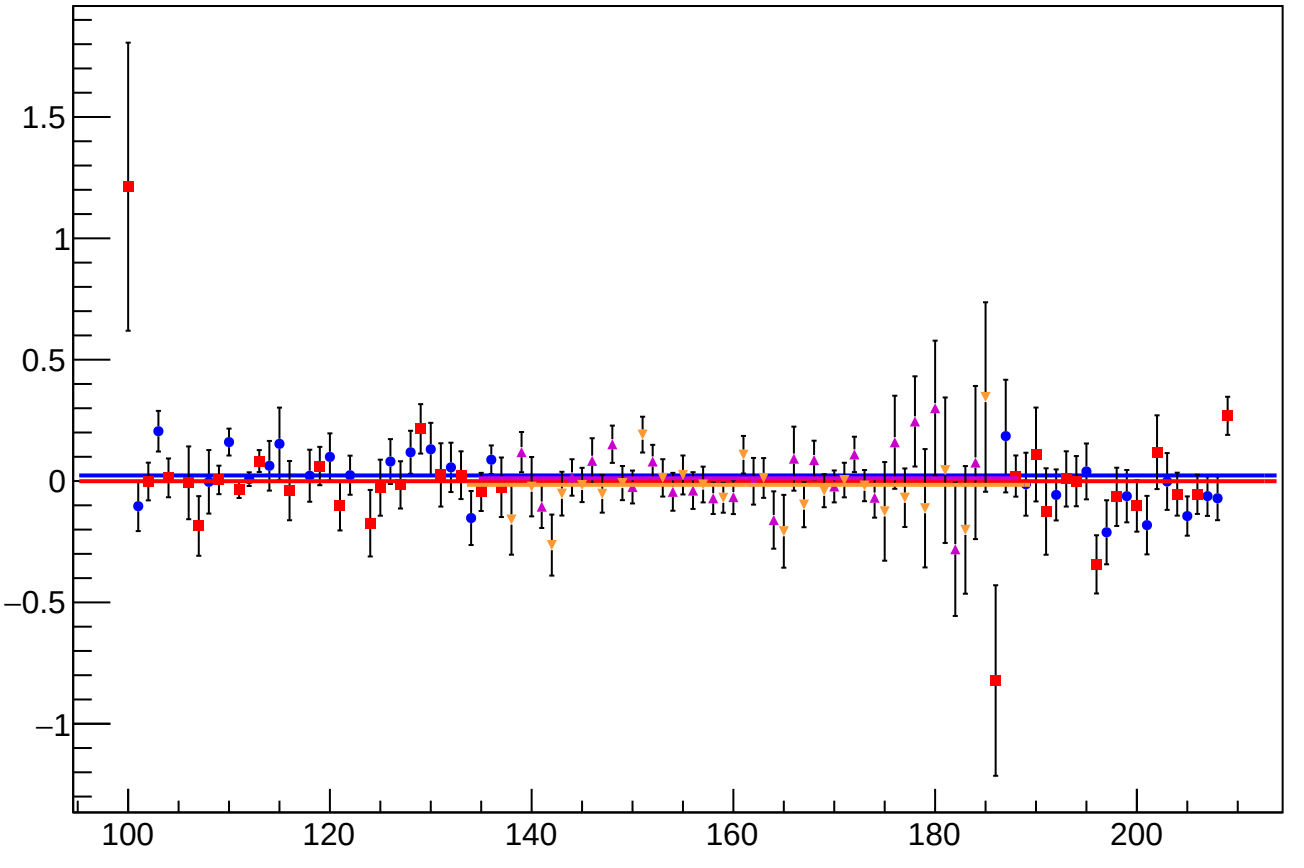
Left: 72.510+/-0.009 χ^2/NDF: 6751779.3/47

Right: 54.497+/-0.008 χ^2/NDF: 13586348.6/58

In: 61.071+/-0.008 χ^2/NDF:11183527.2/49

Out: 63.136+/-0.008 χ^2/NDF:11408292.4/56

All: 62.116+/-0.006 χ^2/NDF: 22622572.4/106



Right In: 0.023+/-0.016 χ^2/NDF: 34.9/26

Left Out: -0.016+/-0.018 χ^2/NDF:21.6/24

Right Out: -0.001+/-0.015 χ^2/NDF: 47.1/31

Left In: 0.011+/-0.018 χ^2/NDF:23.3/22

Left: -0.002+/-0.013 χ^2/NDF: 46.1/47

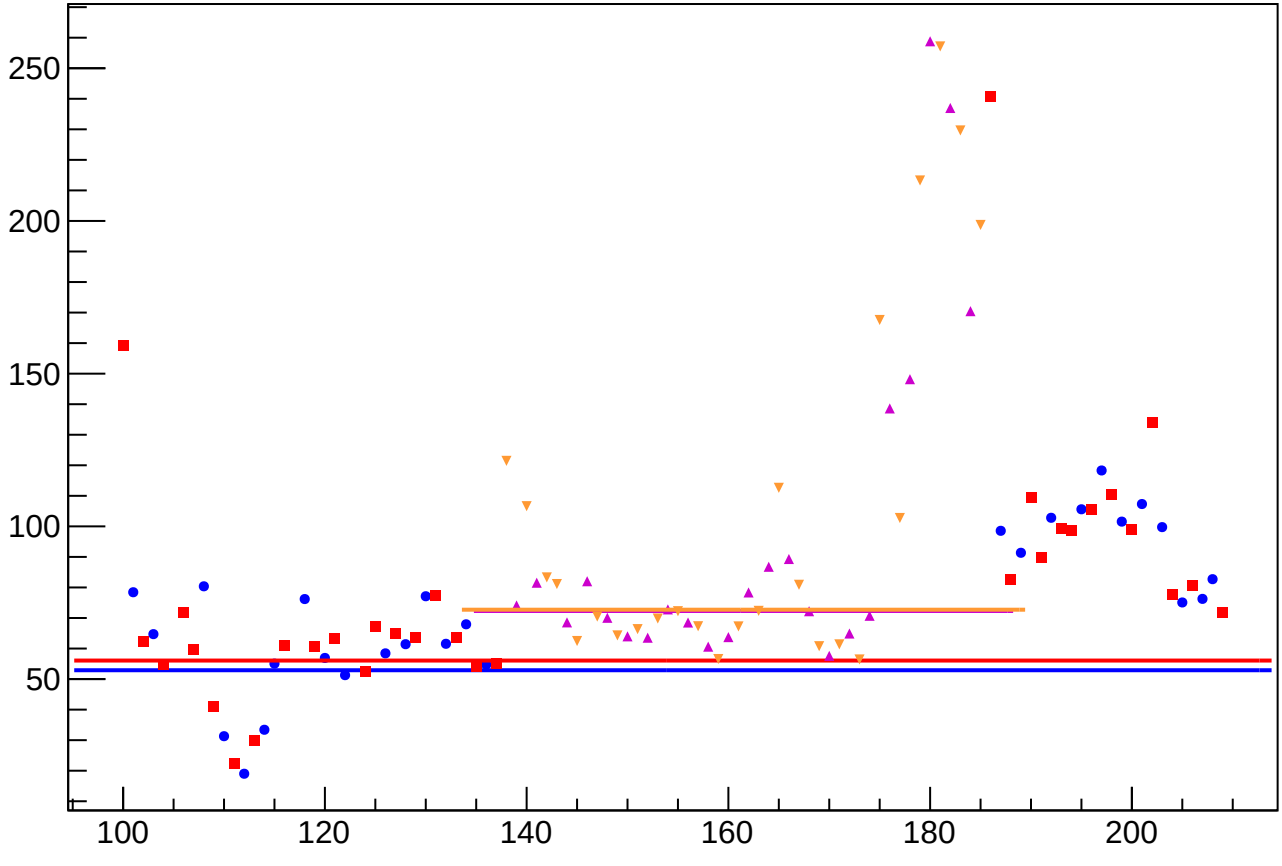
Right: 0.011+/-0.011 χ^2/NDF: 83.2/58

In: 0.018+/-0.012 χ^2/NDF:58.5/49

Out: -0.007+/-0.012 χ^2/NDF:69.1/56

All: 0.005+/-0.008 χ^2/NDF: 129.9/106

asym_sam_48_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 52.895+/-0.011 χ^2/NDF: 7085989.8/26

Left Out: 72.716+/-0.013 χ^2/NDF:3961100.5/24

Right Out: 56.067+/-0.011 χ^2/NDF: 6458499.9/31

Left In: 72.298+/-0.013 χ^2/NDF:2790146.5/22

Left: 72.510+/-0.009 χ^2/NDF: 6751779.3/47

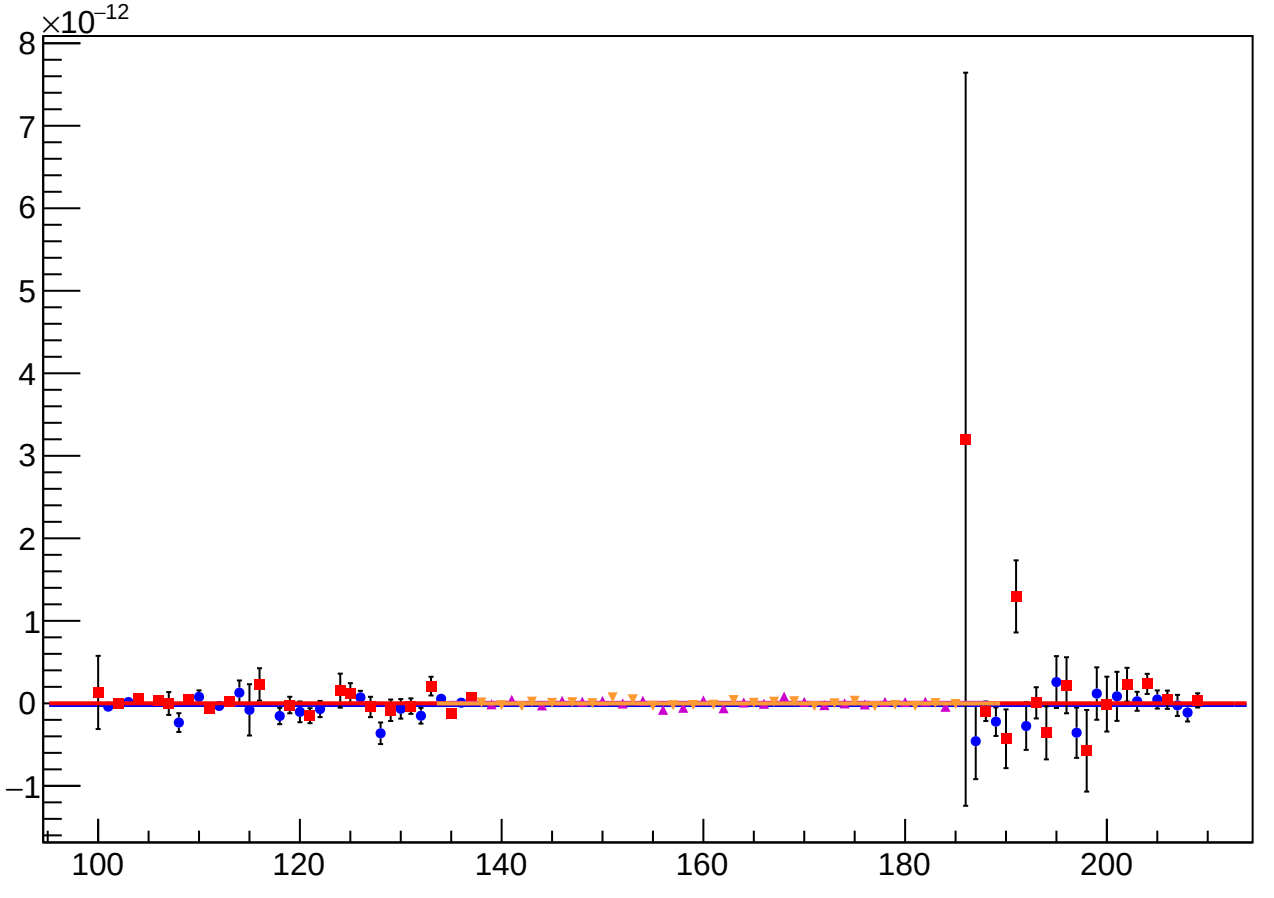
Right: 54.497+/-0.008 χ^2/NDF: 13586348.6/58

In: 61.071+/-0.008 χ^2/NDF:11183527.2/49

Out: 63.136+/-0.008 χ^2/NDF:11408292.4/56

All: 62.116+/-0.006 χ^2/NDF: 22622572.4/106

asym_sam_48_avg_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.000 χ^2/NDF: 29.6/26

Left Out: -0.000+/-0.000 χ^2/NDF:27.9/24

Right Out: 0.000+/-0.000 χ^2/NDF: 43.1/31

Left In: 0.000+/-0.000 χ^2/NDF:38.3/22

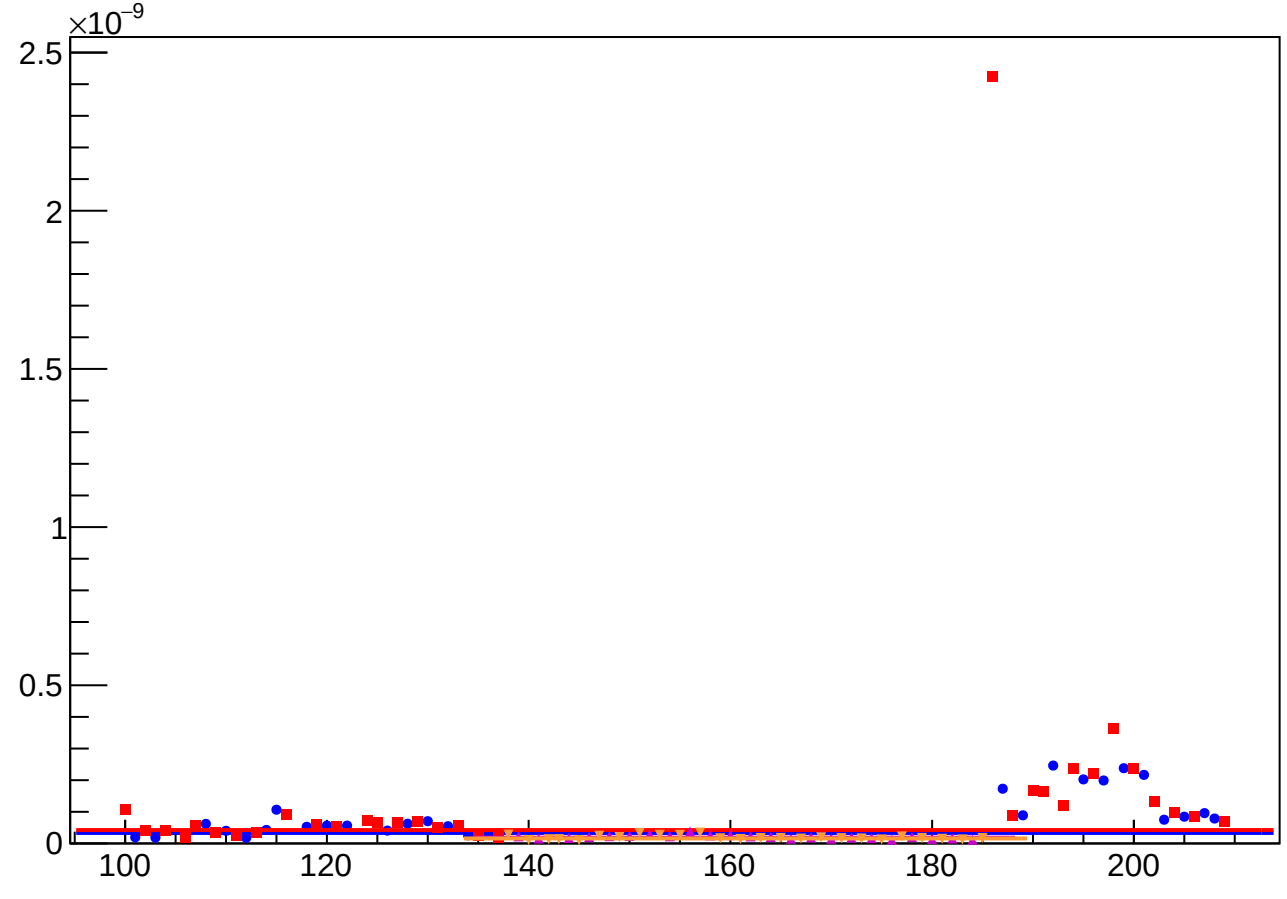
Left: 0.000+/-0.000 χ^2/NDF: 67.2/47

Right: -0.000+/-0.000 χ^2/NDF: 73.7/58

In: 0.000+/-0.000 χ^2/NDF:71.0/49

Out: -0.000+/-0.000 χ^2/NDF:71.0/56

All: 0.000+/-0.000 χ^2/NDF: 142.4/106



Right In: 0.000+/-0.000 χ^2/NDF: 7890285.1/26

Left Out: 0.000+/-0.000 χ^2/NDF:2331257.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 7799814.7/31

Left In: 0.000+/-0.000 χ^2/NDF:1621439.8/22

Left: 0.000+/-0.000 χ^2/NDF: 4185951.3/47

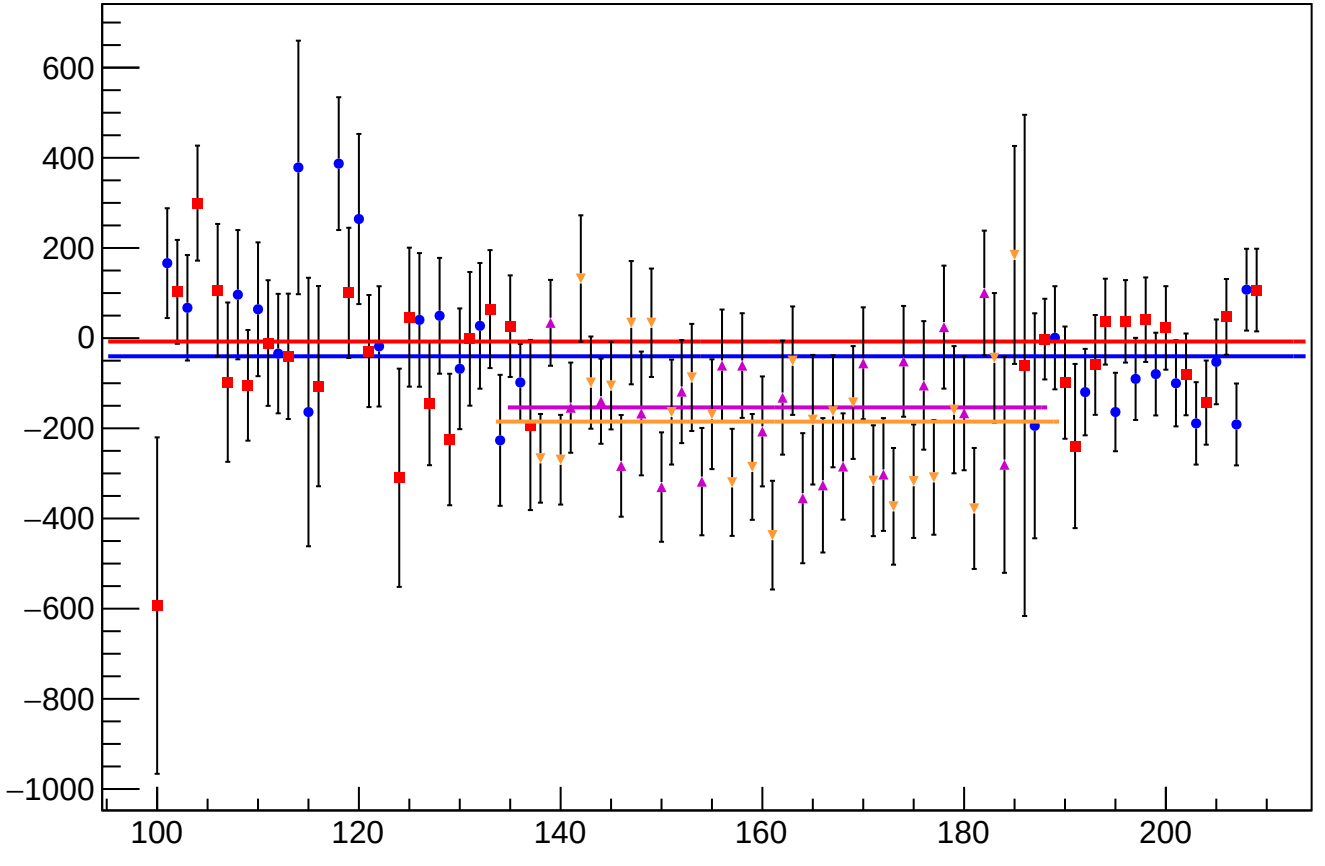
Right: 0.000+/-0.000 χ^2/NDF: 16057855.6/58

In: 0.000+/-0.000 χ^2/NDF:11596796.6/49

Out: 0.000+/-0.000 χ^2/NDF:15335835.4/56

All: 0.000+/-0.000 χ^2/NDF: 27140334.8/106

reg_asym_sam_15_dd_mean vs Slug, Sign Corrected



Right In: -40.226+/-22.354 χ^2/NDF: 33.9/26

Left Out: -185.146+/-24.452 χ^2/NDF:33.1/24

Right Out: -7.530+/-21.531 χ^2/NDF: 25.7/31

Left In: -153.627+/-25.538 χ^2/NDF:23.5/22

Left: -170.071+/-17.662 χ^2/NDF: 57.4/47

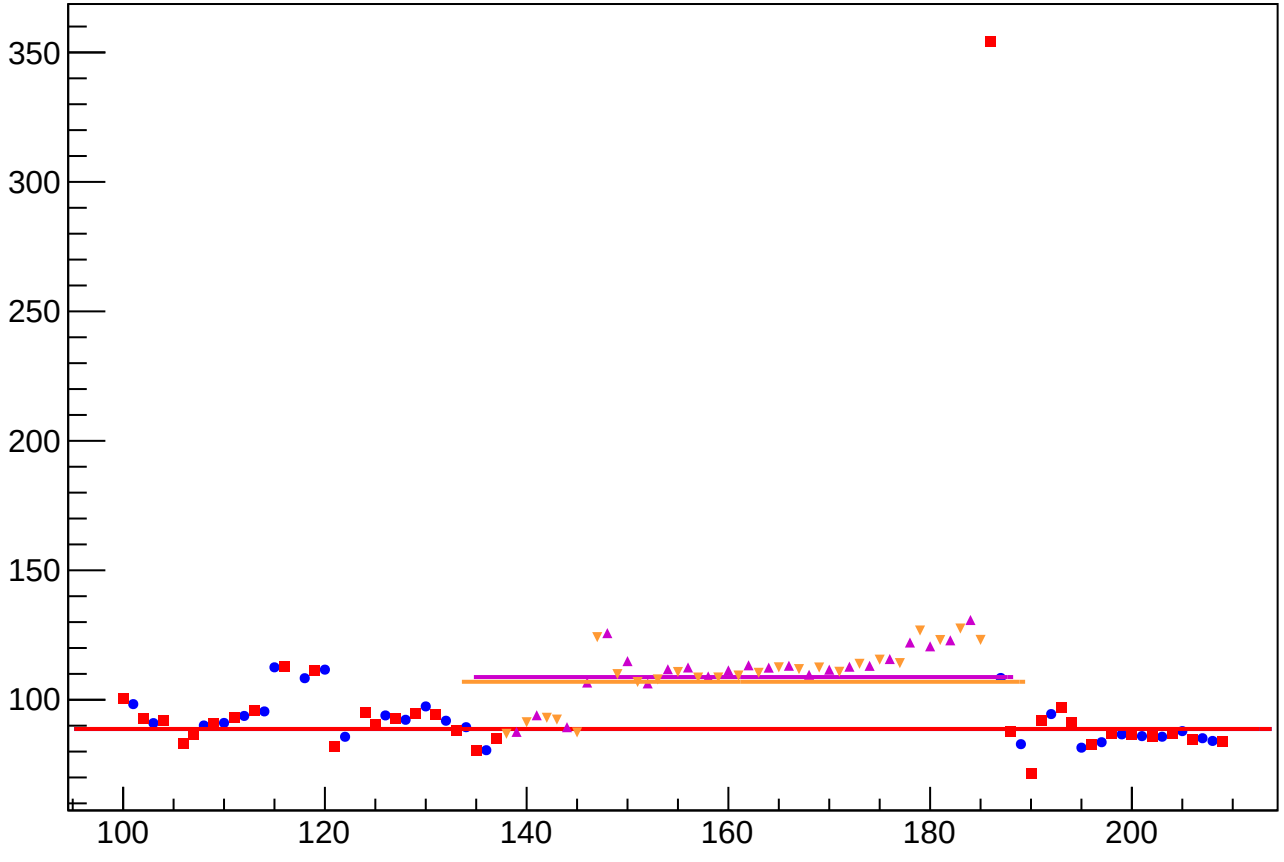
Right: -23.265+/-15.507 χ^2/NDF: 60.8/58

In: -89.420+/-16.820 χ^2/NDF:68.6/49

Out: -85.098+/-16.159 χ^2/NDF:88.5/56

All: -87.173+/-11.653 χ^2/NDF: 157.1/106

reg_asym_sam_15_dd_rms vs Slug, Sign Corrected



Right In: 88.700+/-0.016 χ^2/NDF: 186910.0/26

Left Out: 106.954+/-0.017 χ^2/NDF:464271.3/24

Right Out: 88.737+/-0.015 χ^2/NDF: 648948.6/31

Left In: 108.781+/-0.018 χ^2/NDF:358436.3/22

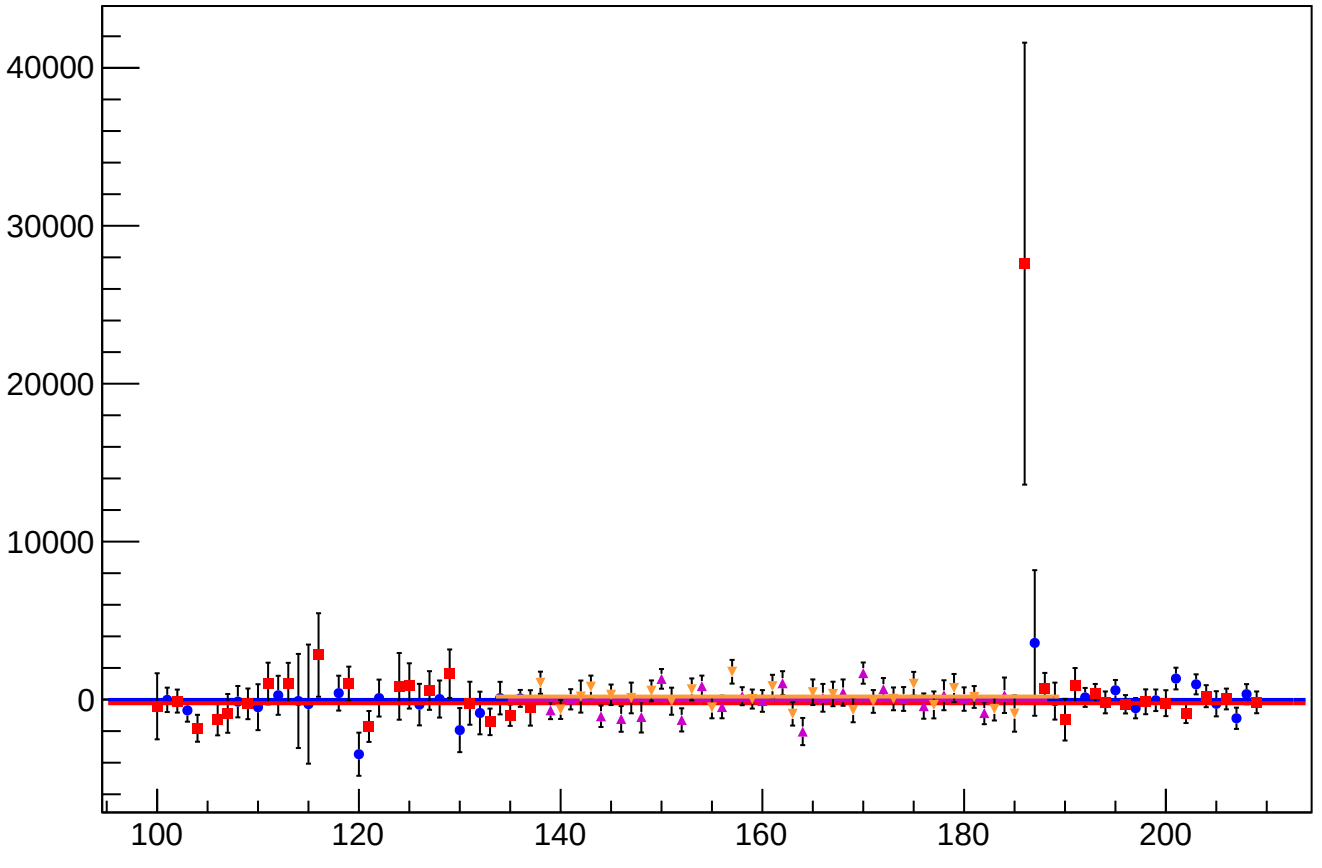
Left: 107.828+/-0.012 χ^2/NDF: 828045.2/47

Right: 88.719+/-0.011 χ^2/NDF: 835861.5/58

In: 97.411+/-0.012 χ^2/NDF:1245483.6/49

Out: 96.693+/-0.011 χ^2/NDF:1738468.3/56

All: 97.038+/-0.008 χ^2/NDF: 2985847.5/106



Right In: -25.446+/-166.274 χ^2/NDF: 21.8/26

Left Out: 186.456+/-148.819 χ^2/NDF:19.1/24

Right Out: -234.653+/-160.452 χ^2/NDF: 27.1/31

Left In: -43.249+/-152.059 χ^2/NDF:33.7/22

Left: 74.077+/-106.358 χ^2/NDF: 53.9/47

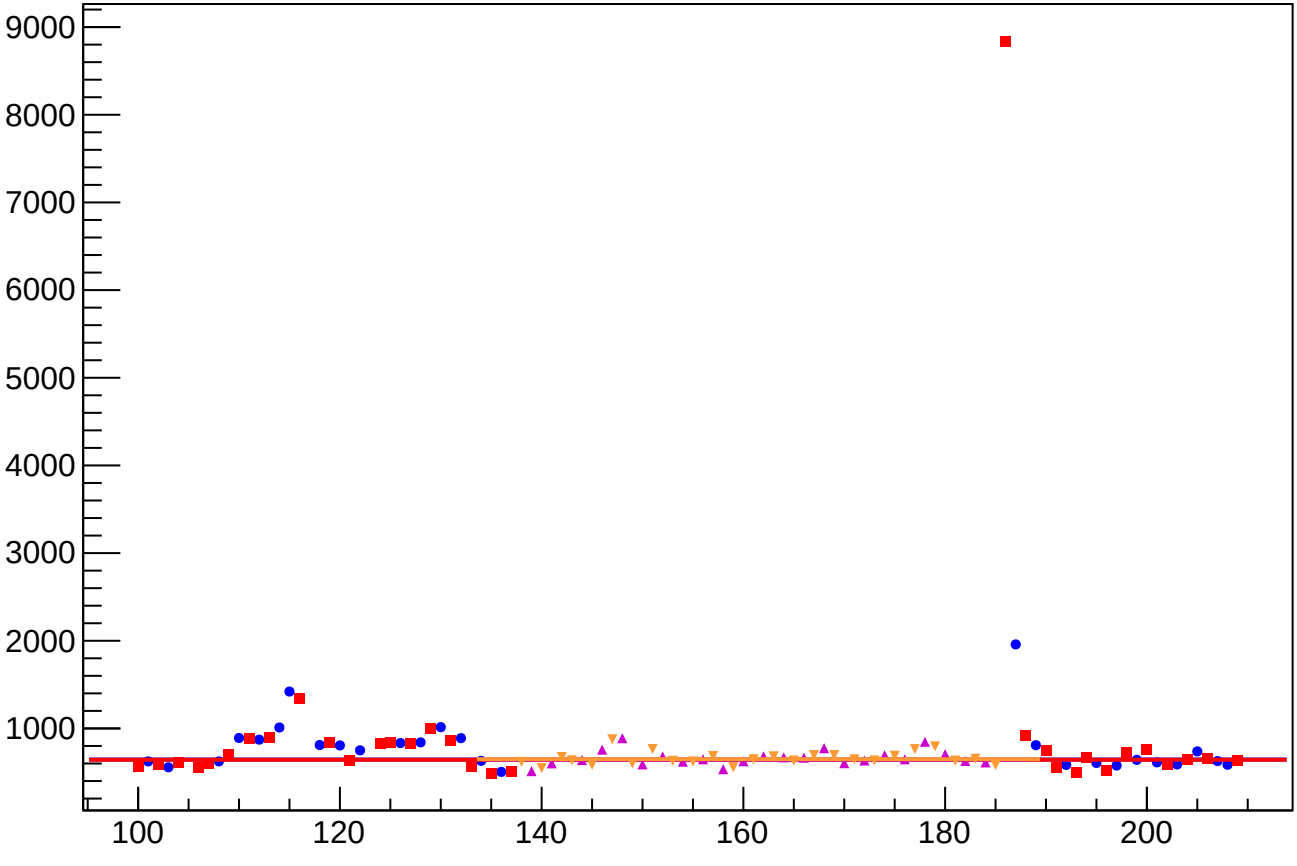
Right: -133.777+/-115.460 χ^2/NDF: 49.8/58

In: -35.141+/-112.211 χ^2/NDF:55.6/49

Out: -8.282+/-109.112 χ^2/NDF:49.9/56

All: -21.335+/-78.227 χ^2/NDF: 105.5/106

asym_sam_15_dd_reg_correction_rms vs Slug, Sign Corrected



Right In: 645.247+/-0.118 χ^2/NDF: 1119981.7/26

Left Out: 649.189+/-0.105 χ^2/NDF:418364.7/24

Right Out: 643.040+/-0.113 χ^2/NDF: 1967610.1/31

Left In: 644.072+/-0.108 χ^2/NDF:559119.9/22

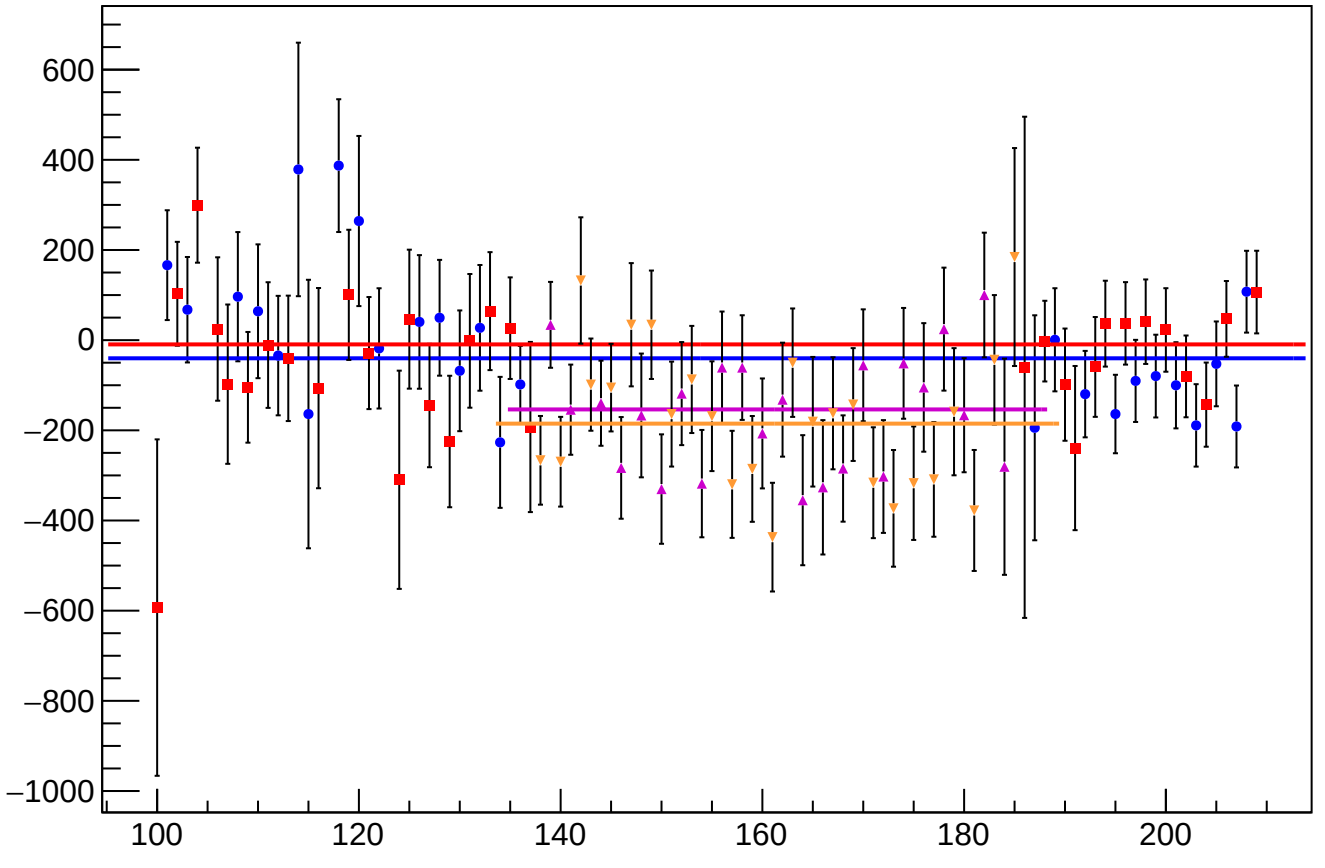
Left: 646.686+/-0.075 χ^2/NDF: 978641.3/47

Right: 644.104+/-0.082 χ^2/NDF: 3087774.3/58

In: 644.607+/-0.079 χ^2/NDF:1679156.0/49

Out: 646.345+/-0.077 χ^2/NDF:2387553.9/56

All: 645.501+/-0.055 χ^2/NDF: 4066956.5/106



Right In: -40.224+/-22.354 χ^2/NDF: 33.9/26

Left Out: -185.148+/-24.452 χ^2/NDF:33.0/24

Right Out: -9.398+/-21.565 χ^2/NDF: 25.1/31

Left In: -153.632+/-25.538 χ^2/NDF:23.5/22

Left: -170.074+/-17.662 χ^2/NDF: 57.4/47

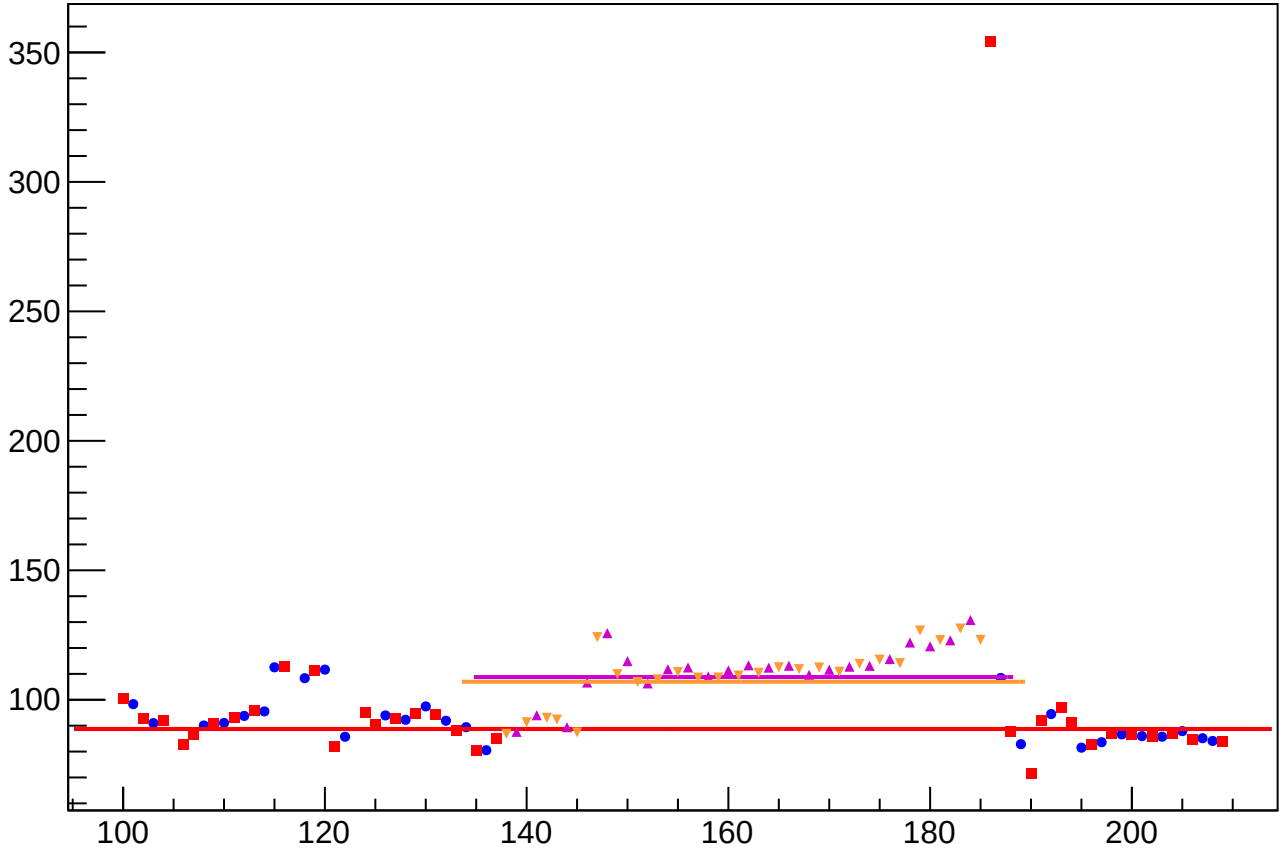
Right: -24.257+/-15.520 χ^2/NDF: 60.1/58

In: -89.421+/-16.820 χ^2/NDF:68.6/49

Out: -86.289+/-16.174 χ^2/NDF:87.3/56

All: -87.794+/-11.658 χ^2/NDF: 155.9/106

cor_asym_sam_15_dd_rms vs Slug, Sign Corrected



Right In: 88.700+/-0.016 χ^2/NDF: 186910.0/26

Left Out: 106.954+/-0.017 χ^2/NDF:464271.4/24

Right Out: 88.745+/-0.015 χ^2/NDF: 649031.2/31

Left In: 108.781+/-0.018 χ^2/NDF:358436.4/22

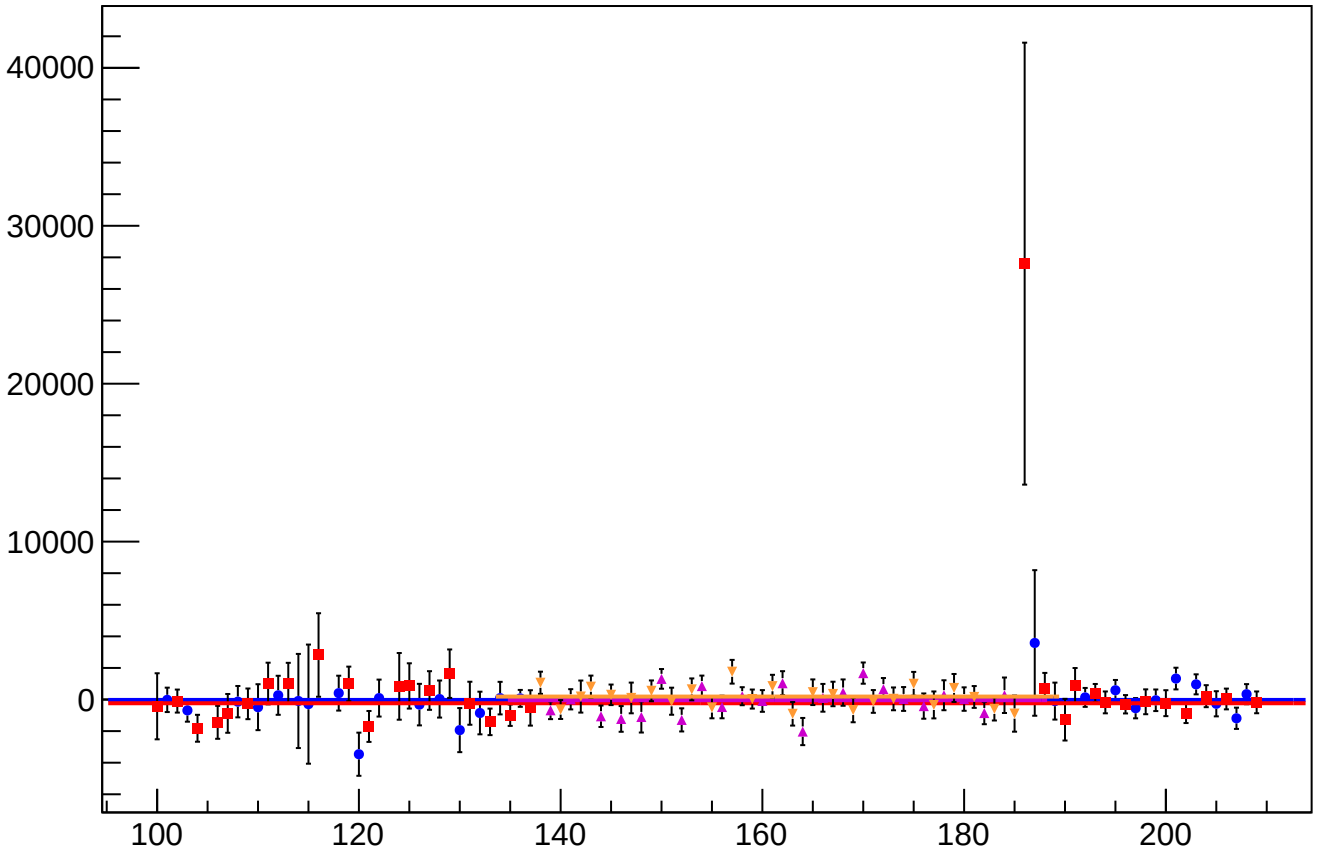
Left: 107.828+/-0.012 χ^2/NDF: 828045.3/47

Right: 88.723+/-0.011 χ^2/NDF: 835945.4/58

In: 97.411+/-0.012 χ^2/NDF:1245483.6/49

Out: 96.711+/-0.011 χ^2/NDF:1737155.1/56

All: 97.048+/-0.008 χ^2/NDF: 2984435.9/106



Right In: -25.447+/-166.274 χ^2/NDF: 21.8/26

Left Out: 186.450+/-148.819 χ^2/NDF:19.1/24

Right Out: -235.601+/-160.673 χ^2/NDF: 27.3/31

Left In: -43.251+/-152.059 χ^2/NDF:33.7/22

Left: 74.072+/-106.358 χ^2/NDF: 53.9/47

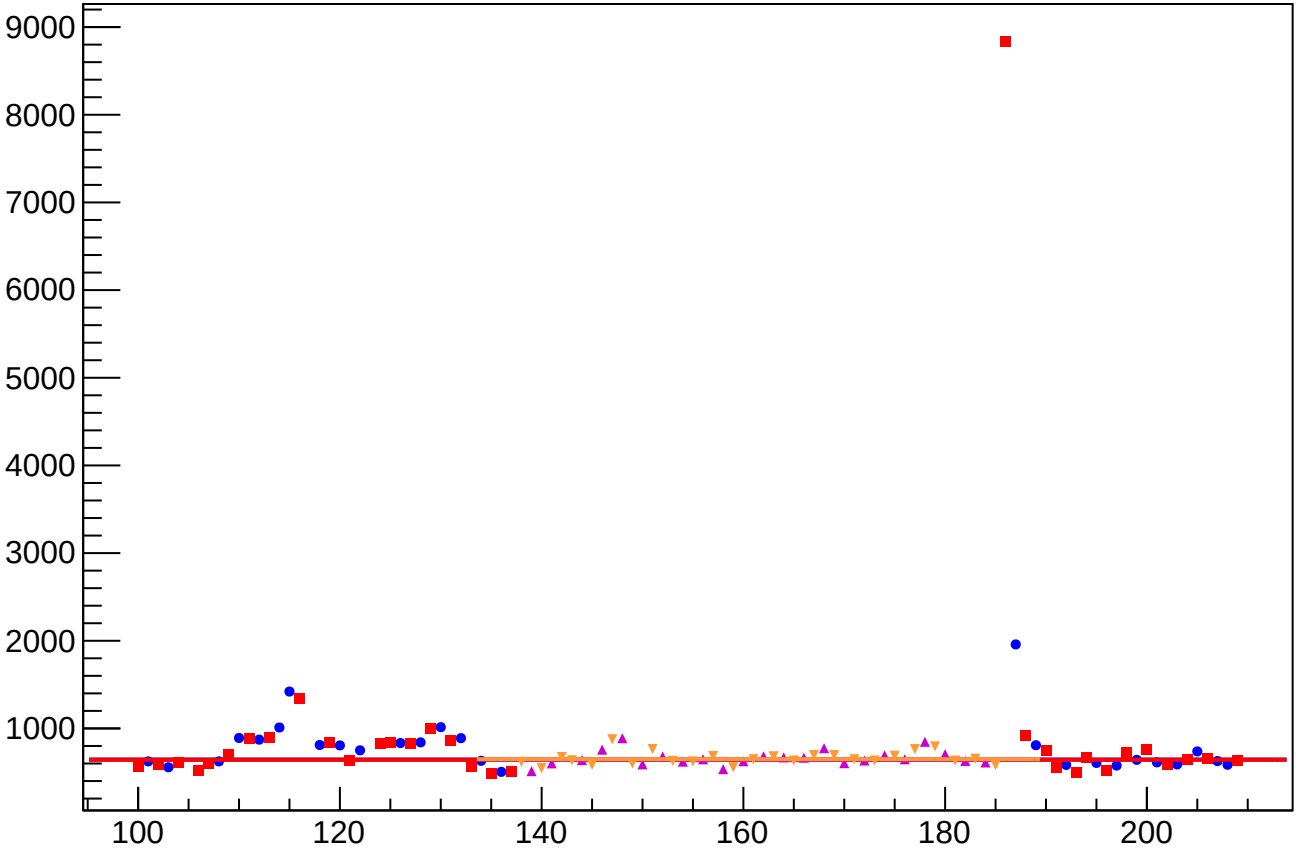
Right: -134.123+/-115.542 χ^2/NDF: 50.0/58

In: -35.143+/-112.212 χ^2/NDF:55.6/49

Out: -8.435+/-109.181 χ^2/NDF:50.1/56

All: -21.423+/-78.252 χ^2/NDF: 105.7/106

asym_sam_15_dd_cor_correction_rms vs Slug, Sign Corrected



Right In: 645.247+/-0.118 χ^2/NDF: 1119982.5/26

Left Out: 649.189+/-0.105 χ^2/NDF:418365.4/24

Right Out: 642.634+/-0.114 χ^2/NDF: 1976684.2/31

Left In: 644.072+/-0.108 χ^2/NDF:559121.0/22

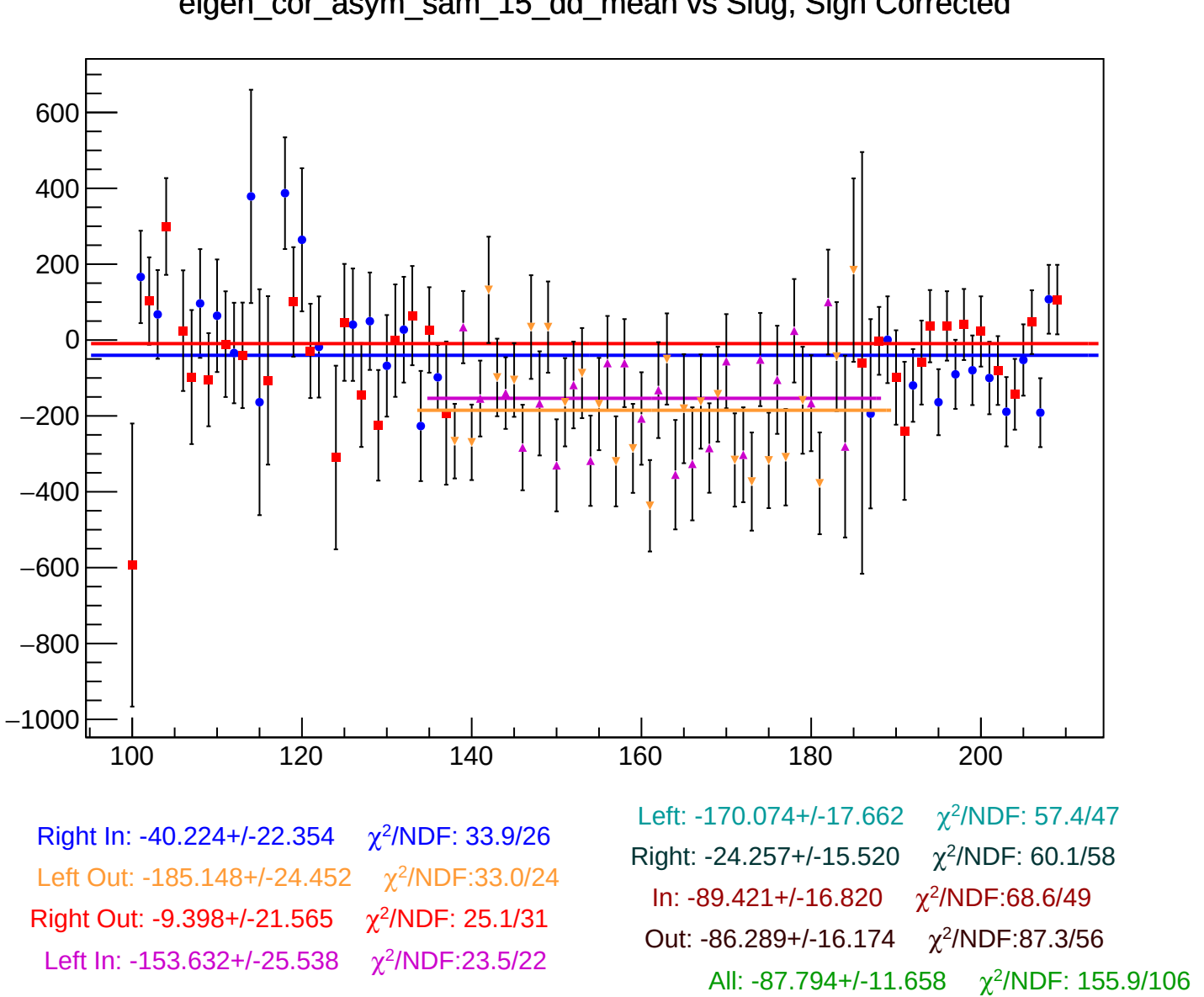
Left: 646.686+/-0.075 χ^2/NDF: 978643.1/47

Right: 643.896+/-0.082 χ^2/NDF: 3096922.0/58

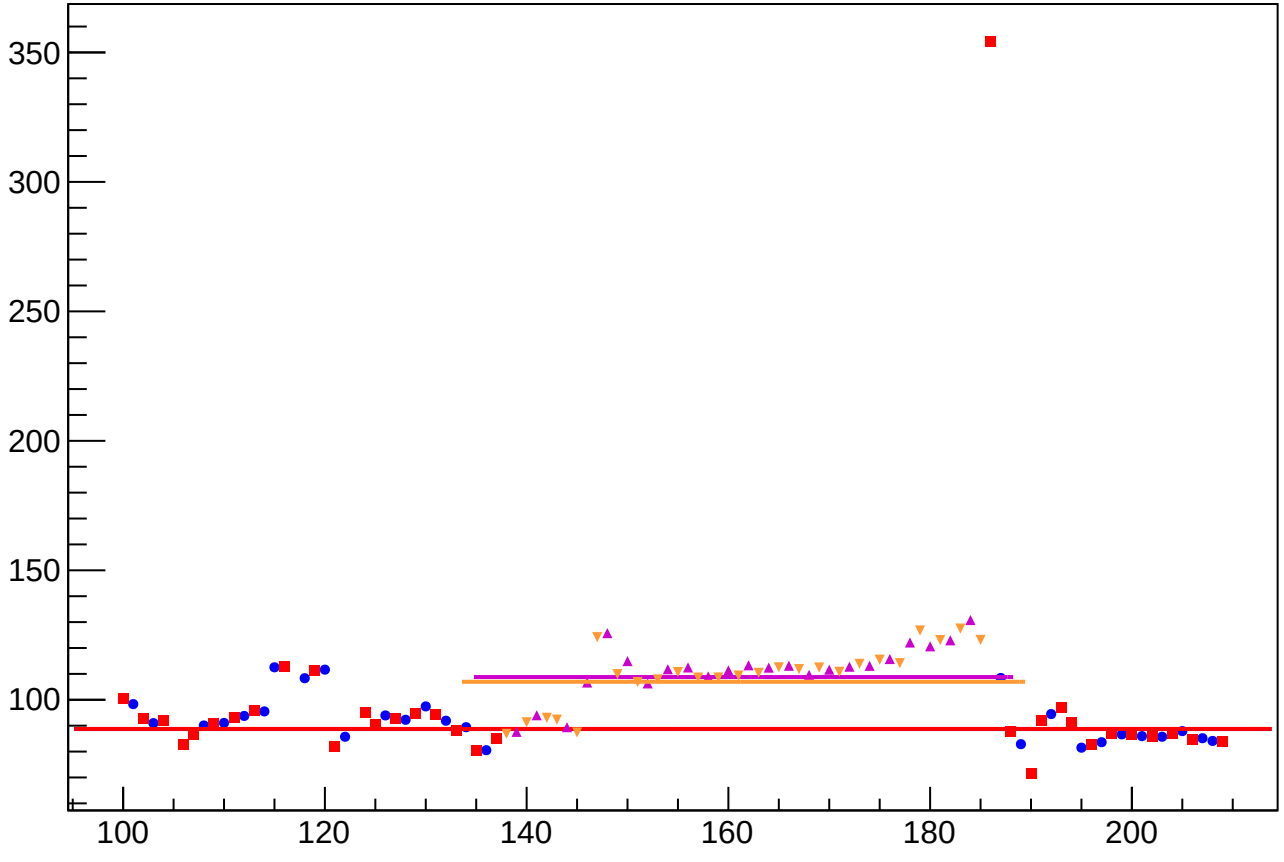
In: 644.607+/-0.079 χ^2/NDF:1679157.8/49

Out: 646.162+/-0.077 χ^2/NDF:2396841.4/56

All: 645.406+/-0.055 χ^2/NDF: 4076196.5/106


eigen_cor_asym_sam_15_dd_mean vs Slug, Sign Corrected
600
400
200
0
−200
−400
−600
−800
−1000
100
120
140
160
180
200
Right In: -40.224+/-22.354 χ²/NDF: 33.9/26
Left Out: -185.148+/-24.452 χ²/NDF:33.0/24
Right Out: -9.398+/-21.565 χ²/NDF: 25.1/31
Left In: -153.632+/-25.538 χ²/NDF:23.5/22
Left: -170.074+/-17.662 χ²/NDF: 57.4/47
Right: -24.257+/-15.520 χ²/NDF: 60.1/58
In: -89.421+/-16.820 χ²/NDF:68.6/49
Out: -86.289+/-16.174 χ²/NDF:87.3/56
All: -87.794+/-11.658 χ²/NDF: 155.9/106

eigen_cor_asym_sam_15_dd_rms vs Slug, Sign Corrected



Right In: 88.700+/-0.016 χ^2/NDF: 186910.0/26

Left Out: 106.954+/-0.017 χ^2/NDF:464271.4/24

Right Out: 88.745+/-0.015 χ^2/NDF: 649031.2/31

Left In: 108.781+/-0.018 χ^2/NDF:358436.4/22

Left: 107.828+/-0.012 χ^2/NDF: 828045.3/47

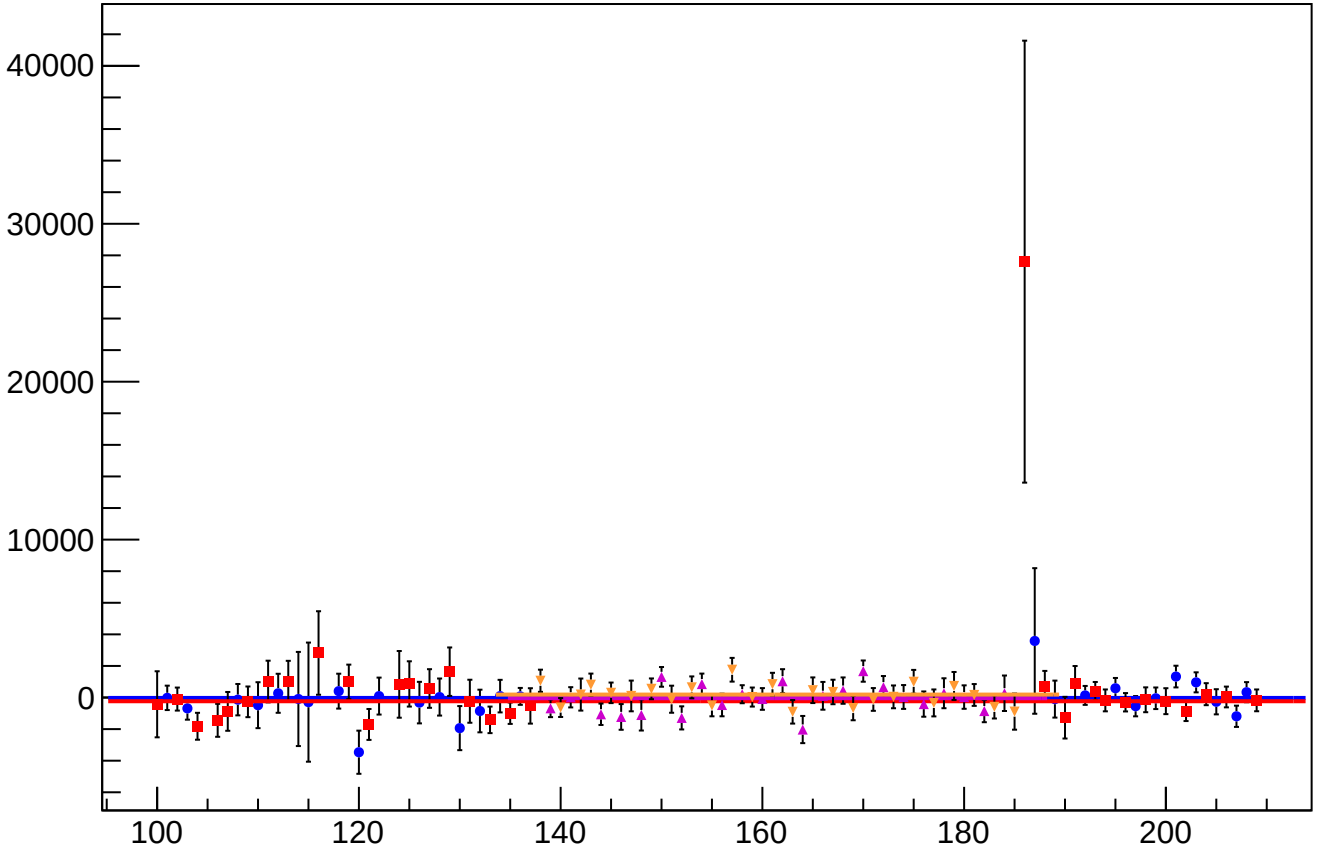
Right: 88.723+/-0.011 χ^2/NDF: 835945.4/58

In: 97.411+/-0.012 χ^2/NDF:1245483.6/49

Out: 96.711+/-0.011 χ^2/NDF:1737155.1/56

All: 97.048+/-0.008 χ^2/NDF: 2984435.9/106

asym_sam_15_dd_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -25.447+/-166.274 χ^2/NDF: 21.8/26

Left Out: 186.450+/-148.819 χ^2/NDF:19.1/24

Right Out: -235.601+/-160.673 χ^2/NDF: 27.3/31

Left In: -43.251+/-152.059 χ^2/NDF:33.7/22

Left: 74.072+/-106.358 χ^2/NDF: 53.9/47

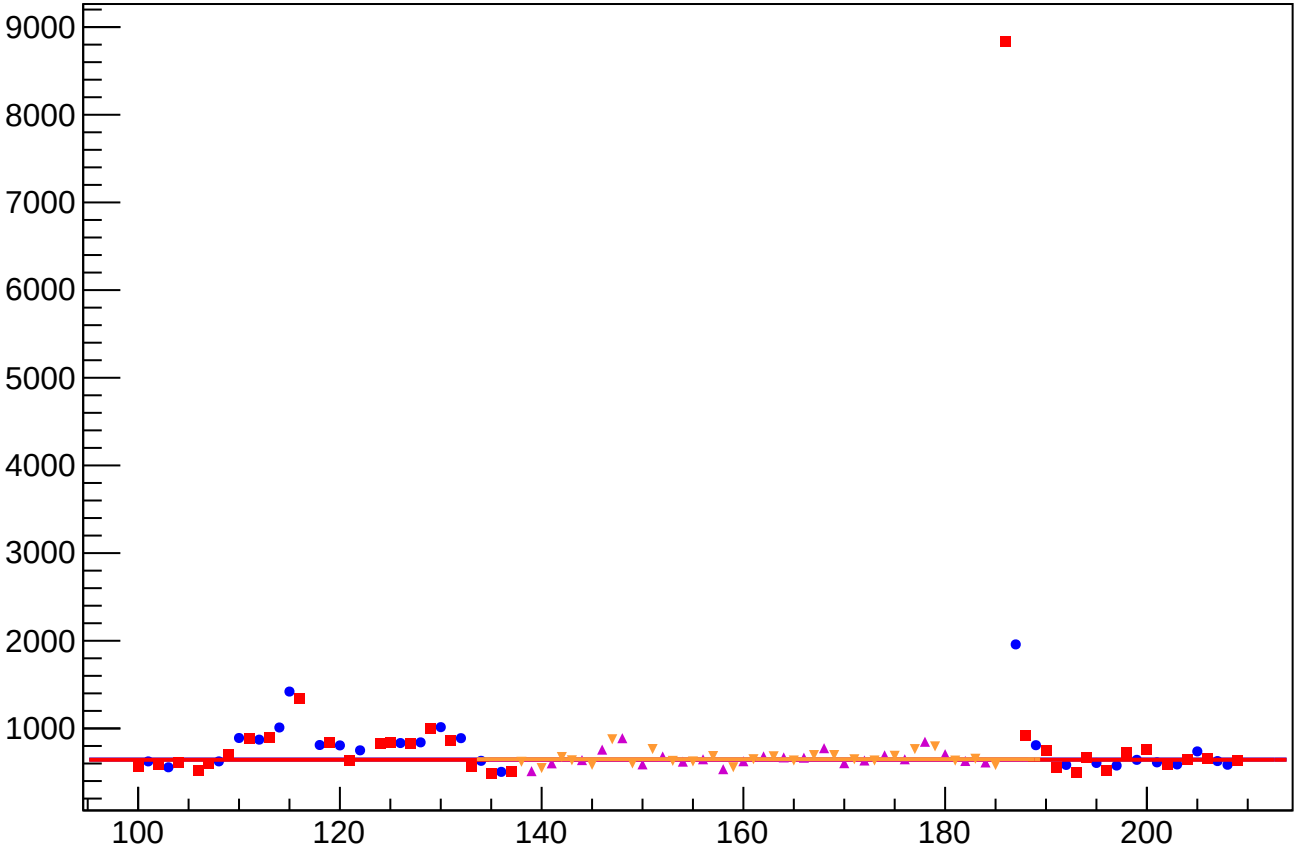
Right: -134.123+/-115.542 χ^2/NDF: 50.0/58

In: -35.143+/-112.212 χ^2/NDF:55.6/49

Out: -8.435+/-109.181 χ^2/NDF:50.1/56

All: -21.423+/-78.252 χ^2/NDF: 105.7/106

asym_sam_15_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 645.247+/-0.118 χ^2/NDF: 1119982.5/26

Left Out: 649.189+/-0.105 χ^2/NDF:418365.4/24

Right Out: 642.634+/-0.114 χ^2/NDF: 1976684.2/31

Left In: 644.072+/-0.108 χ^2/NDF:559121.0/22

Left: 646.686+/-0.075 χ^2/NDF: 978643.1/47

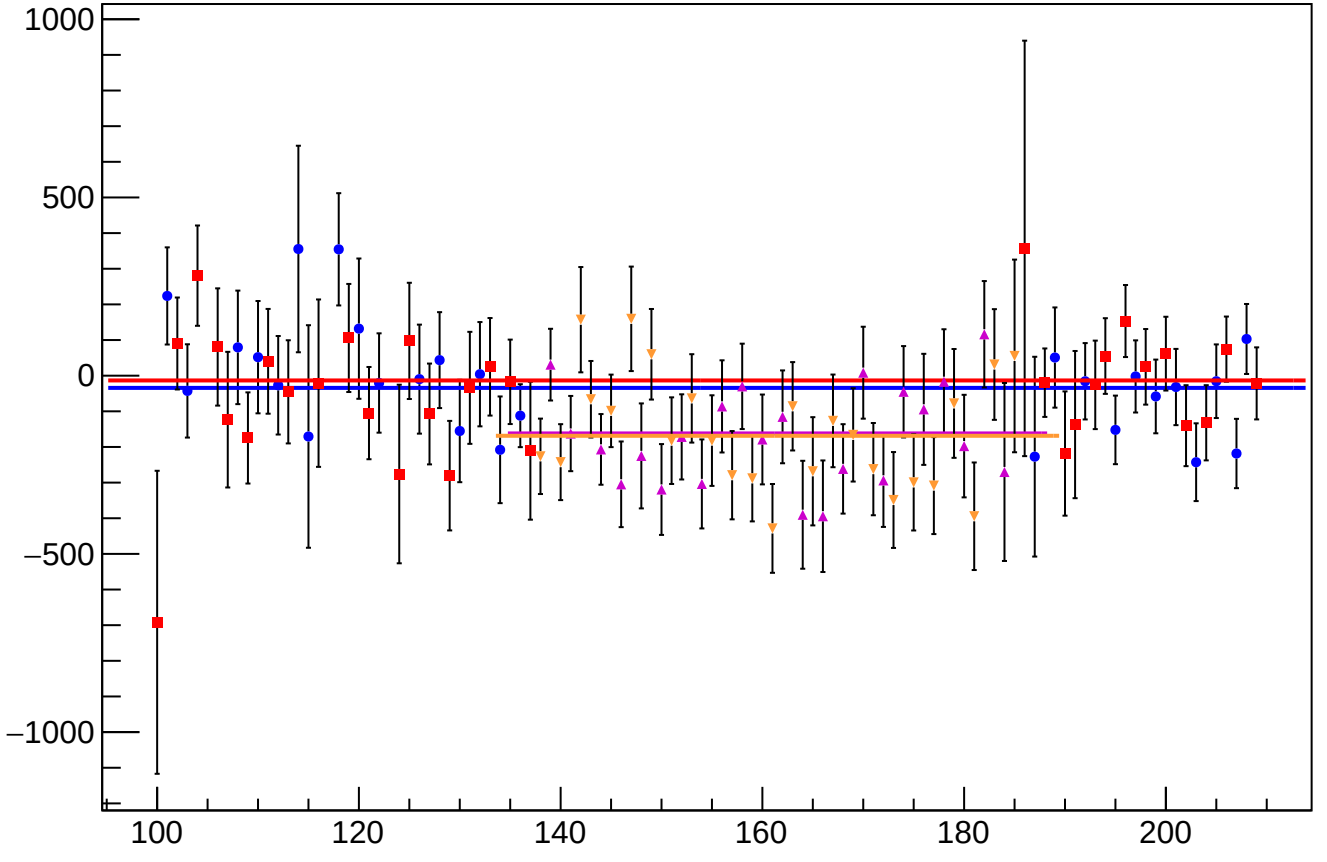
Right: 643.896+/-0.082 χ^2/NDF: 3096922.0/58

In: 644.607+/-0.079 χ^2/NDF:1679157.8/49

Out: 646.162+/-0.077 χ^2/NDF:2396841.4/56

All: 645.406+/-0.055 χ^2/NDF: 4076196.5/106

dit_asym_sam_15_dd_mean vs Slug, Sign Corrected



Right In: -34.258+/-24.437 χ^2/NDF: 28.2/26

Left Out: -168.634+/-25.819 χ^2/NDF:32.4/24

Right Out: -13.372+/-23.690 χ^2/NDF: 26.7/31

Left In: -162.028+/-26.948 χ^2/NDF:23.6/22

Left: -165.472+/-18.643 χ^2/NDF: 56.0/47

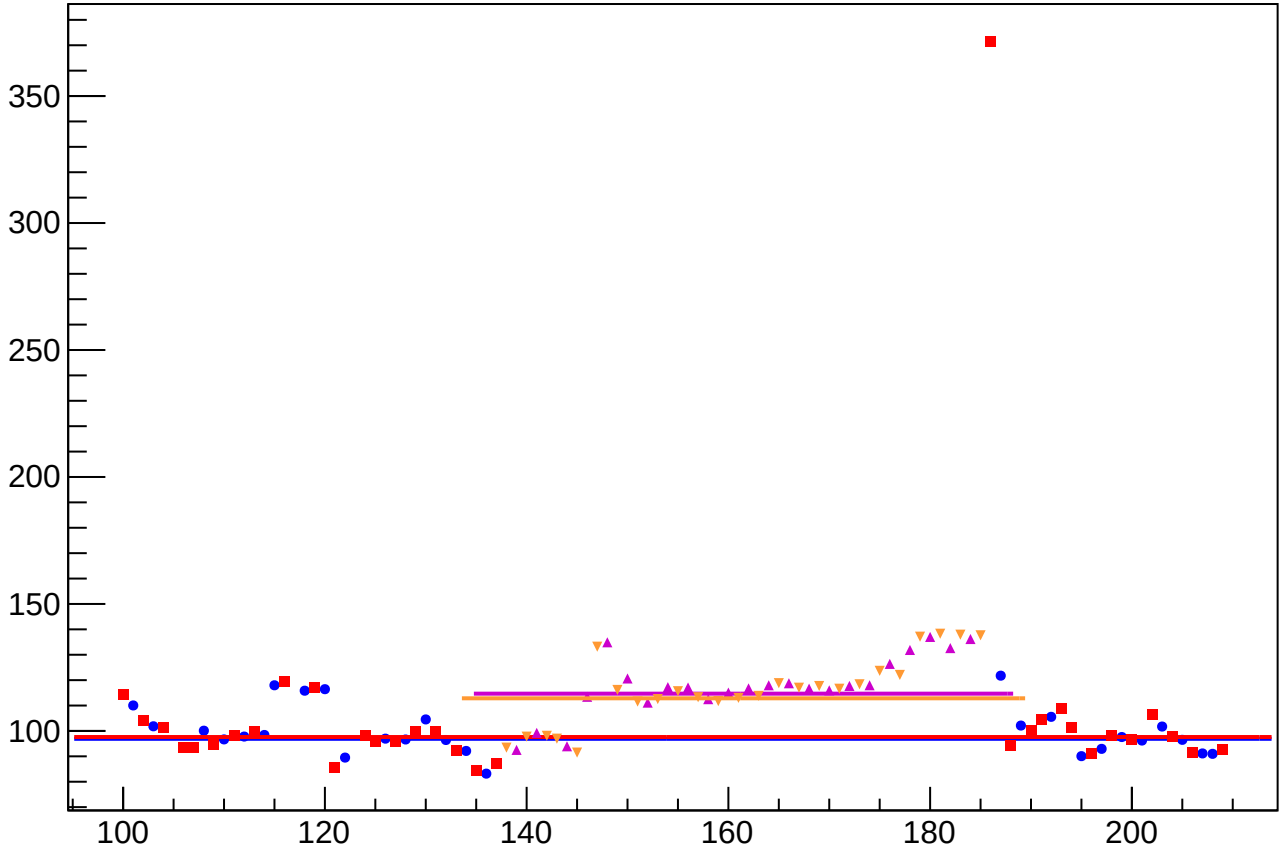
Right: -23.491+/-17.009 χ^2/NDF: 55.3/58

In: -91.915+/-18.102 χ^2/NDF:64.1/49

Out: -84.339+/-17.456 χ^2/NDF:78.7/56

All: -87.989+/-12.565 χ^2/NDF: 142.9/106

dit_asym_sam_15_dd_rms vs Slug, Sign Corrected



Right In: 96.902+/-0.017 χ^2/NDF: 204836.1/26

Left Out: 112.850+/-0.018 χ^2/NDF:512260.6/24

Right Out: 97.601+/-0.017 χ^2/NDF: 614941.6/31

Left In: 114.677+/-0.019 χ^2/NDF:409932.2/22

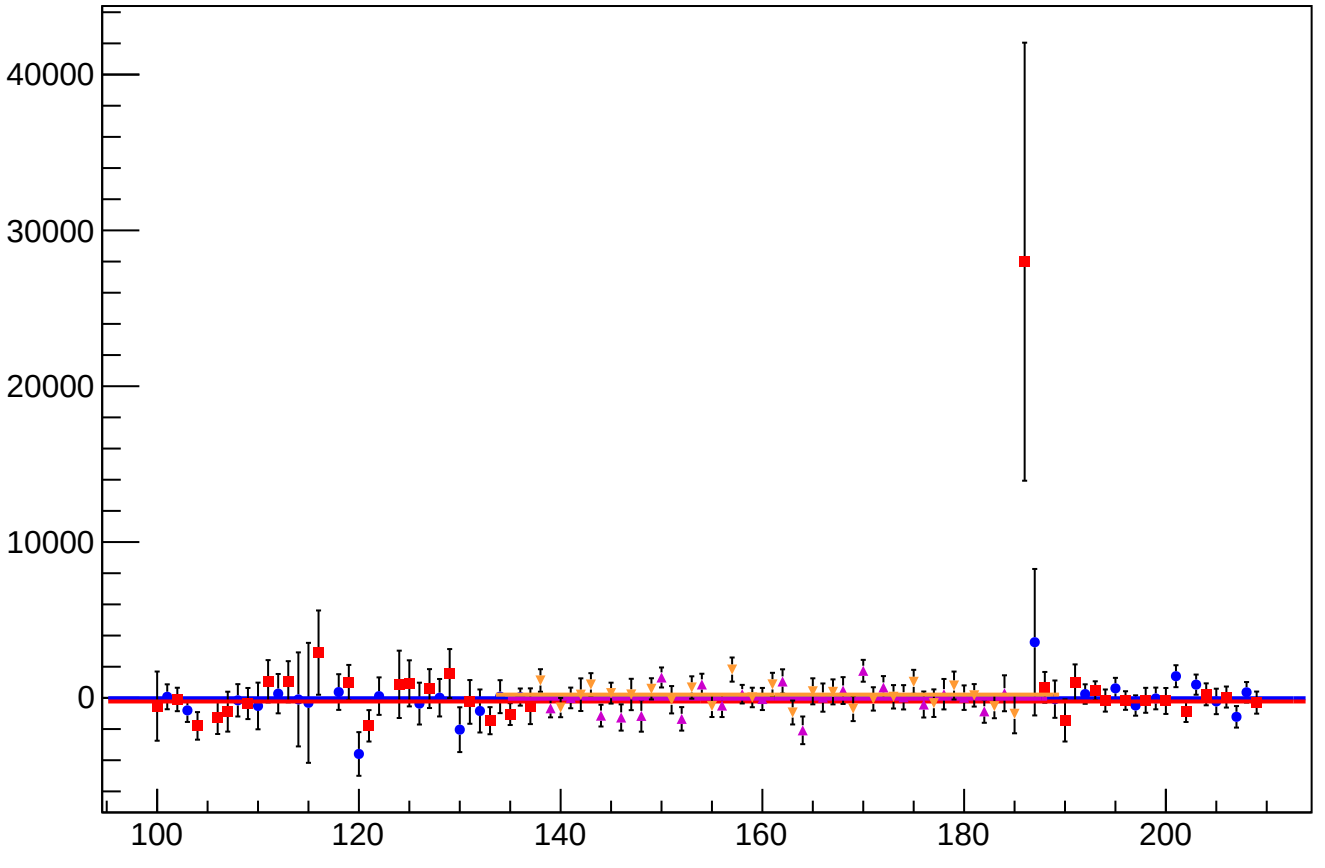
Left: 113.724+/-0.013 χ^2/NDF: 926988.8/47

Right: 97.262+/-0.012 χ^2/NDF: 820622.1/58

In: 104.923+/-0.013 χ^2/NDF:1092295.0/49

Out: 104.571+/-0.012 χ^2/NDF:1505927.1/56

All: 104.741+/-0.009 χ^2/NDF: 2598614.1/106



Right In: -22.412+/-170.991 χ^2/NDF: 21.8/26

Left Out: 209.377+/-153.925 χ^2/NDF:18.9/24

Right Out: -230.532+/-165.496 χ^2/NDF: 27.0/31

Left In: -50.266+/-157.485 χ^2/NDF:33.3/22

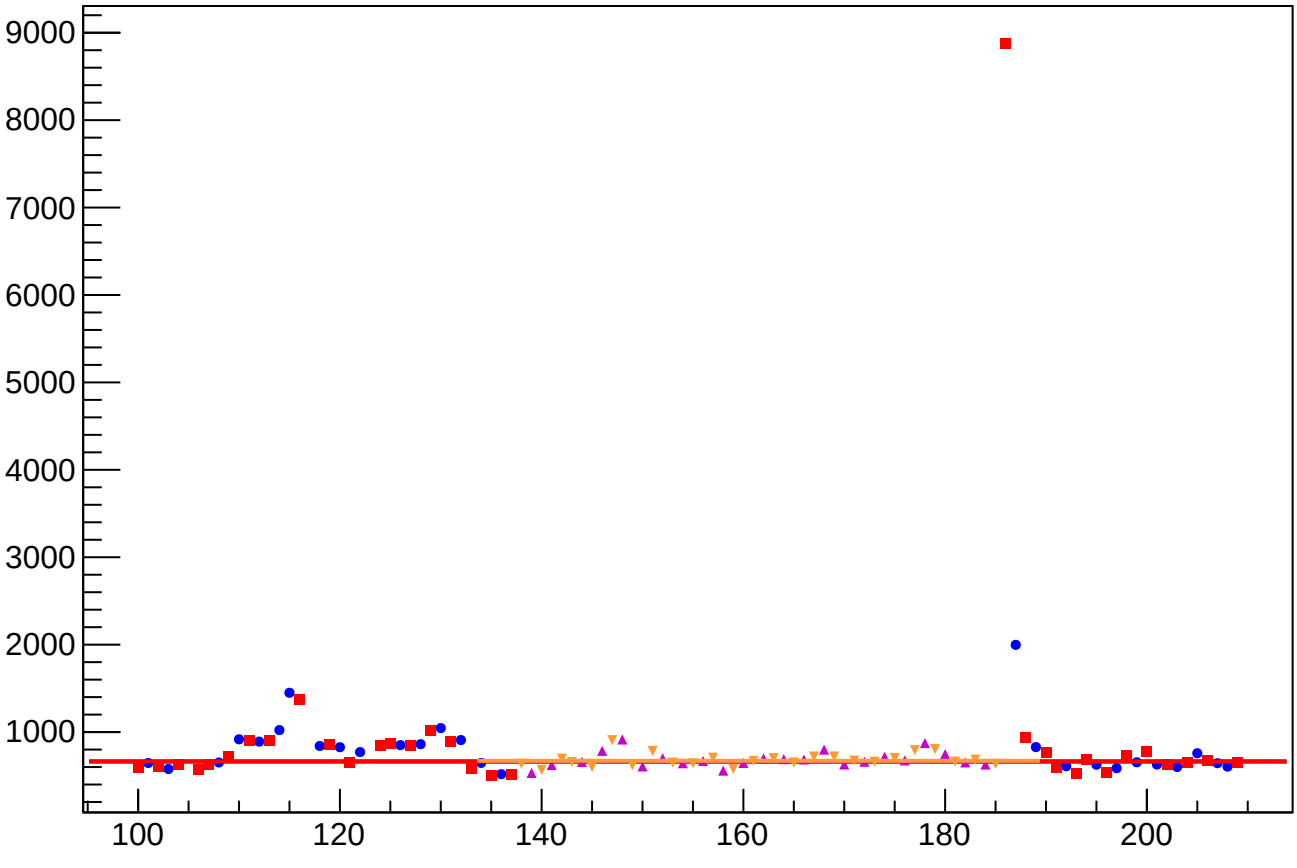
Left: 82.523+/-110.079 χ^2/NDF: 53.6/47

Right: -129.870+/-118.919 χ^2/NDF: 49.6/58

In: -37.482+/-115.840 χ^2/NDF:55.1/49

Out: 5.337+/-112.711 χ^2/NDF:49.7/56

All: -15.487+/-80.782 χ^2/NDF: 104.9/106



Right In: 663.937+/-0.121 χ^2/NDF: 1105907.9/26

Left Out: 671.849+/-0.109 χ^2/NDF:399159.9/24

Right Out: 664.294+/-0.117 χ^2/NDF: 1889886.4/31

Left In: 667.341+/-0.111 χ^2/NDF:546903.6/22

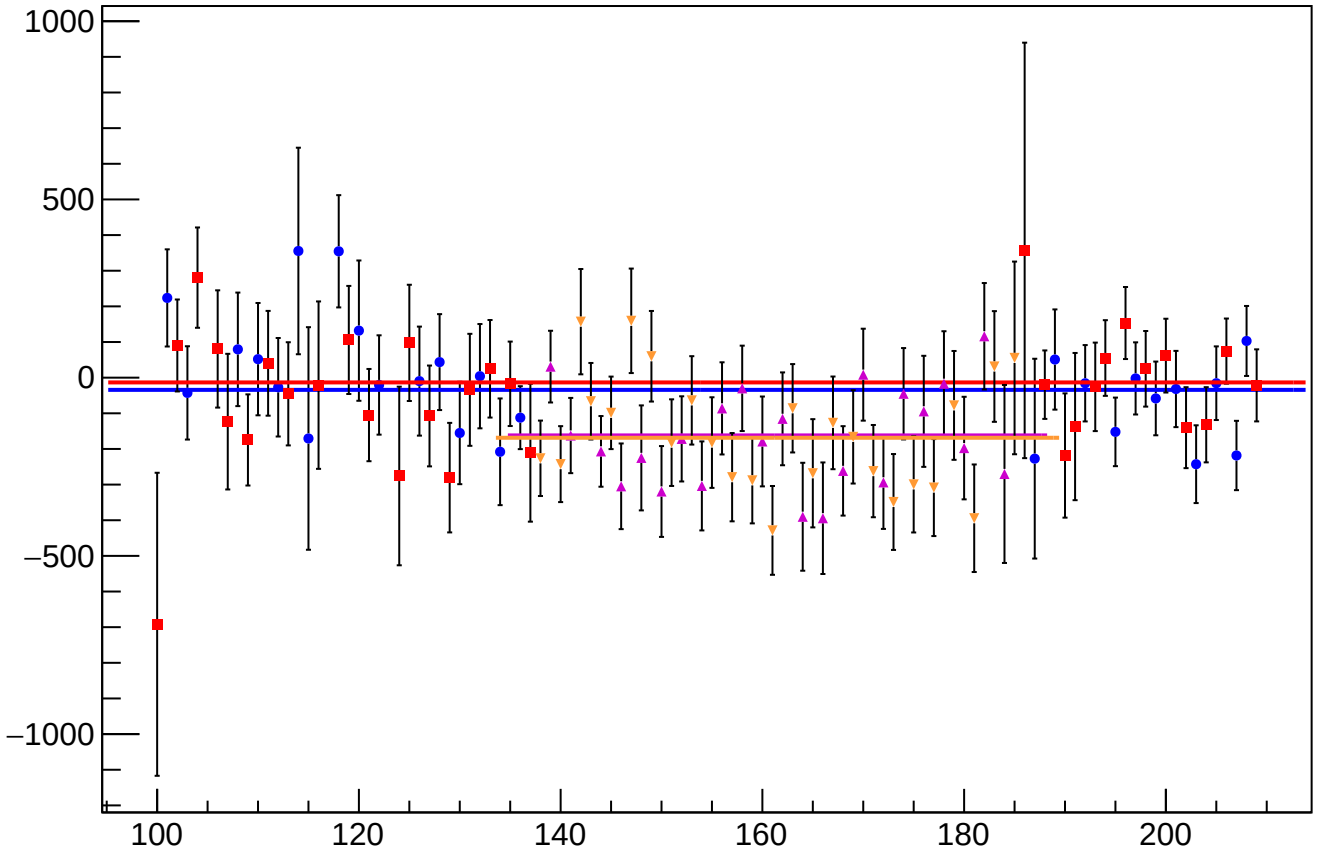
Left: 669.646+/-0.078 χ^2/NDF: 946901.4/47

Right: 664.122+/-0.084 χ^2/NDF: 2995798.8/58

In: 665.779+/-0.082 χ^2/NDF:1653240.3/49

Out: 668.345+/-0.080 χ^2/NDF:2291280.7/56

All: 667.097+/-0.057 χ^2/NDF: 3945025.0/106



Right In: -34.257+/-24.437 χ^2/NDF: 28.2/26

Left Out: -168.635+/-25.819 χ^2/NDF:32.4/24

Right Out: -13.372+/-23.690 χ^2/NDF: 26.7/31

Left In: -162.028+/-26.948 χ^2/NDF:23.6/22

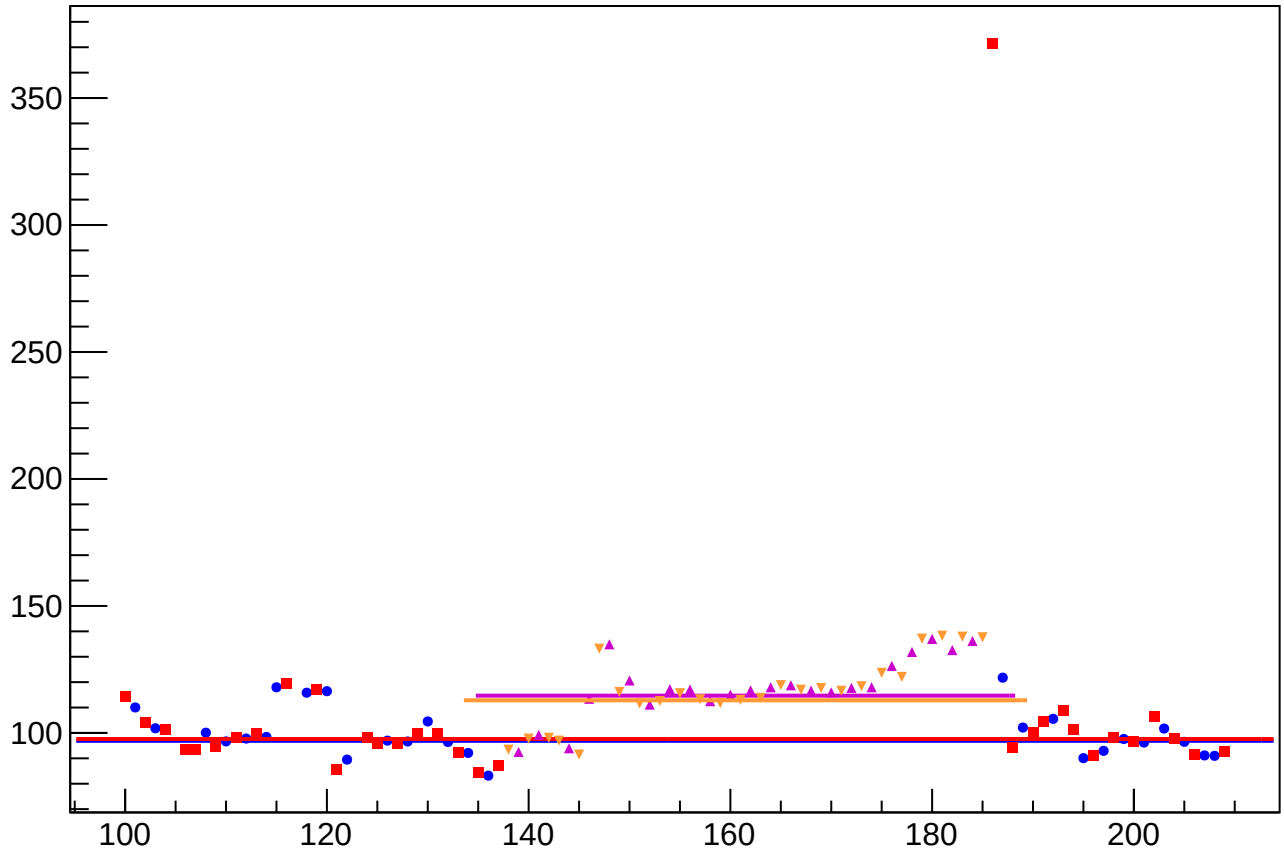
Left: -165.473+/-18.643 χ^2/NDF: 56.0/47

Right: -23.491+/-17.009 χ^2/NDF: 55.3/58

In: -91.914+/-18.102 χ^2/NDF:64.1/49

Out: -84.339+/-17.456 χ^2/NDF:78.7/56

All: -87.989+/-12.565 χ^2/NDF: 142.9/106



Right In: 96.902+/-0.017 χ^2/NDF: 204841.0/26

Left Out: 112.850+/-0.018 χ^2/NDF:512254.2/24

Right Out: 97.601+/-0.017 χ^2/NDF: 614943.0/31

Left In: 114.677+/-0.019 χ^2/NDF:409929.2/22

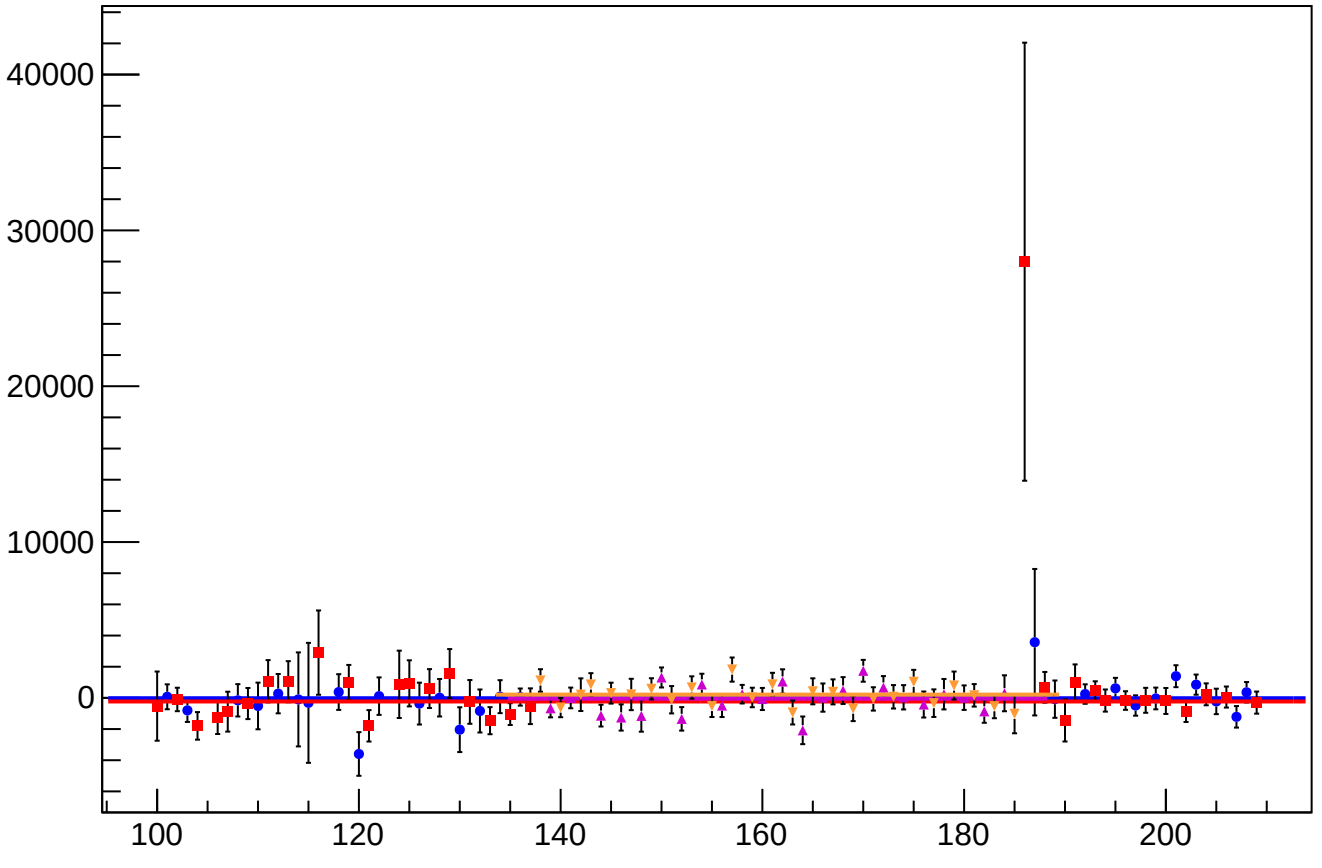
Left: 113.724+/-0.013 χ^2/NDF: 926979.7/47

Right: 97.262+/-0.012 χ^2/NDF: 820628.6/58

In: 104.923+/-0.013 χ^2/NDF:1092312.1/49

Out: 104.571+/-0.012 χ^2/NDF:1505930.5/56

All: 104.740+/-0.009 χ^2/NDF: 2598634.6/106



Right In: -22.412+/-170.991 χ^2/NDF: 21.8/26

Left Out: 209.377+/-153.926 χ^2/NDF:18.9/24

Right Out: -230.532+/-165.496 χ^2/NDF: 27.0/31

Left In: -50.267+/-157.485 χ^2/NDF:33.3/22

Left: 82.523+/-110.079 χ^2/NDF: 53.6/47

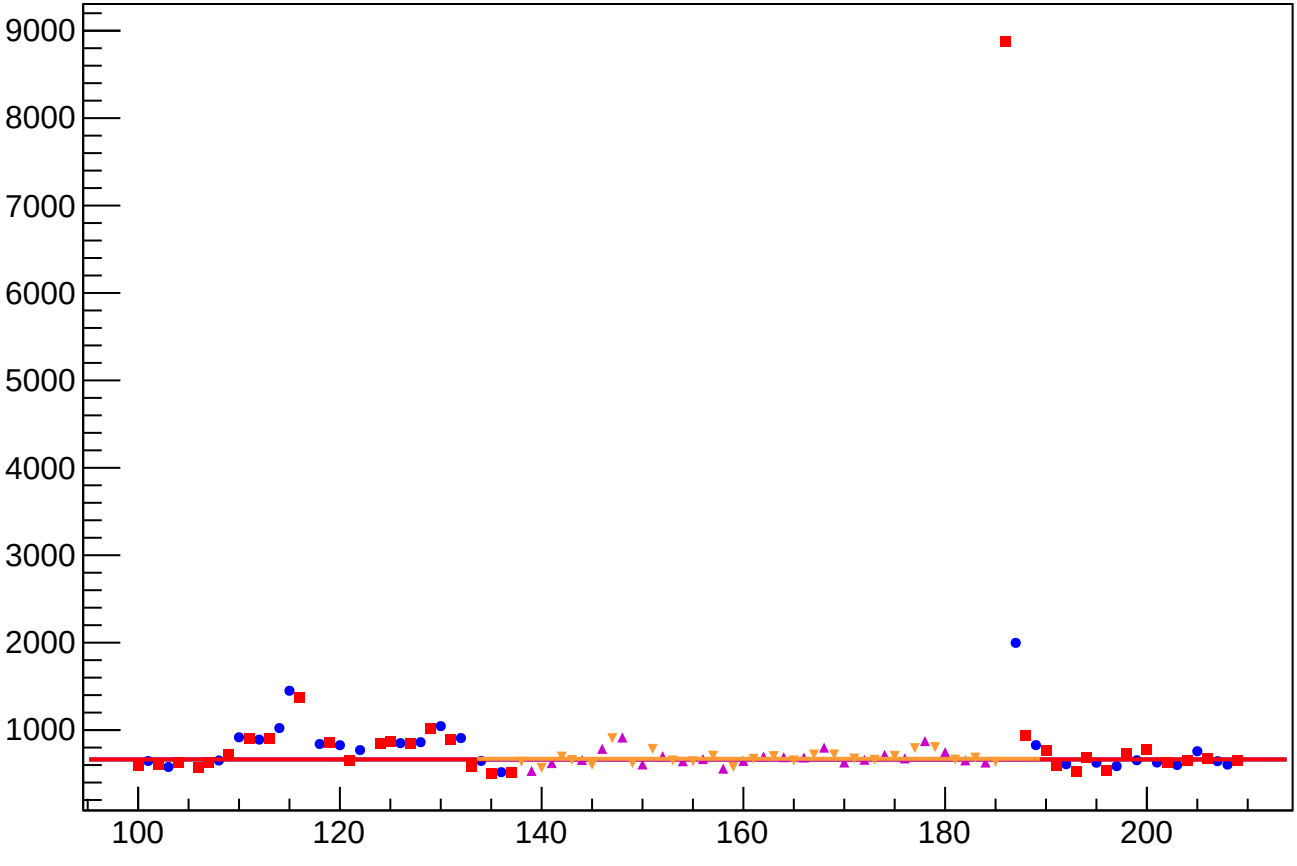
Right: -129.870+/-118.919 χ^2/NDF: 49.6/58

In: -37.483+/-115.840 χ^2/NDF:55.1/49

Out: 5.336+/-112.711 χ^2/NDF:49.7/56

All: -15.487+/-80.782 χ^2/NDF: 104.9/106

asym_sam_15_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 663.937+/-0.121 χ^2/NDF: 1105908.9/26

Left Out: 671.849+/-0.109 χ^2/NDF:399160.3/24

Right Out: 664.294+/-0.117 χ^2/NDF: 1889891.1/31

Left In: 667.342+/-0.111 χ^2/NDF:546905.8/22

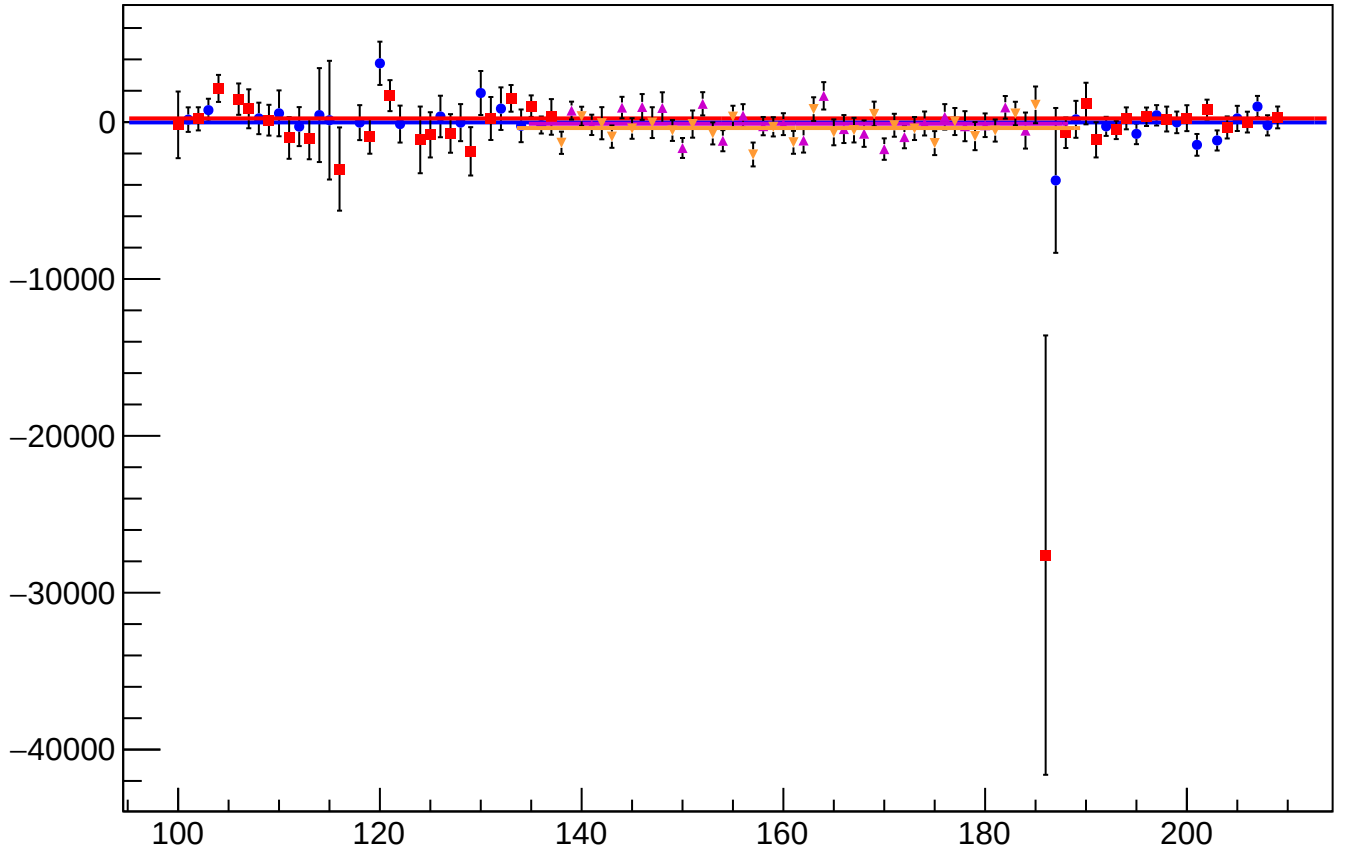
Left: 669.647+/-0.078 χ^2/NDF: 946903.9/47

Right: 664.121+/-0.084 χ^2/NDF: 2995804.4/58

In: 665.779+/-0.082 χ^2/NDF:1653243.8/49

Out: 668.345+/-0.080 χ^2/NDF:2291286.5/56

All: 667.097+/-0.057 χ^2/NDF: 3945034.2/106



Right In: -17.883+/-167.982 χ^2/NDF: 23.8/26

Left Out: -377.221+/-150.952 χ^2/NDF:21.4/24

Right Out: 238.264+/-162.170 χ^2/NDF: 30.3/31

Left In: -103.321+/-154.335 χ^2/NDF:35.5/22

Left: -243.306+/-107.915 χ^2/NDF: 58.5/47

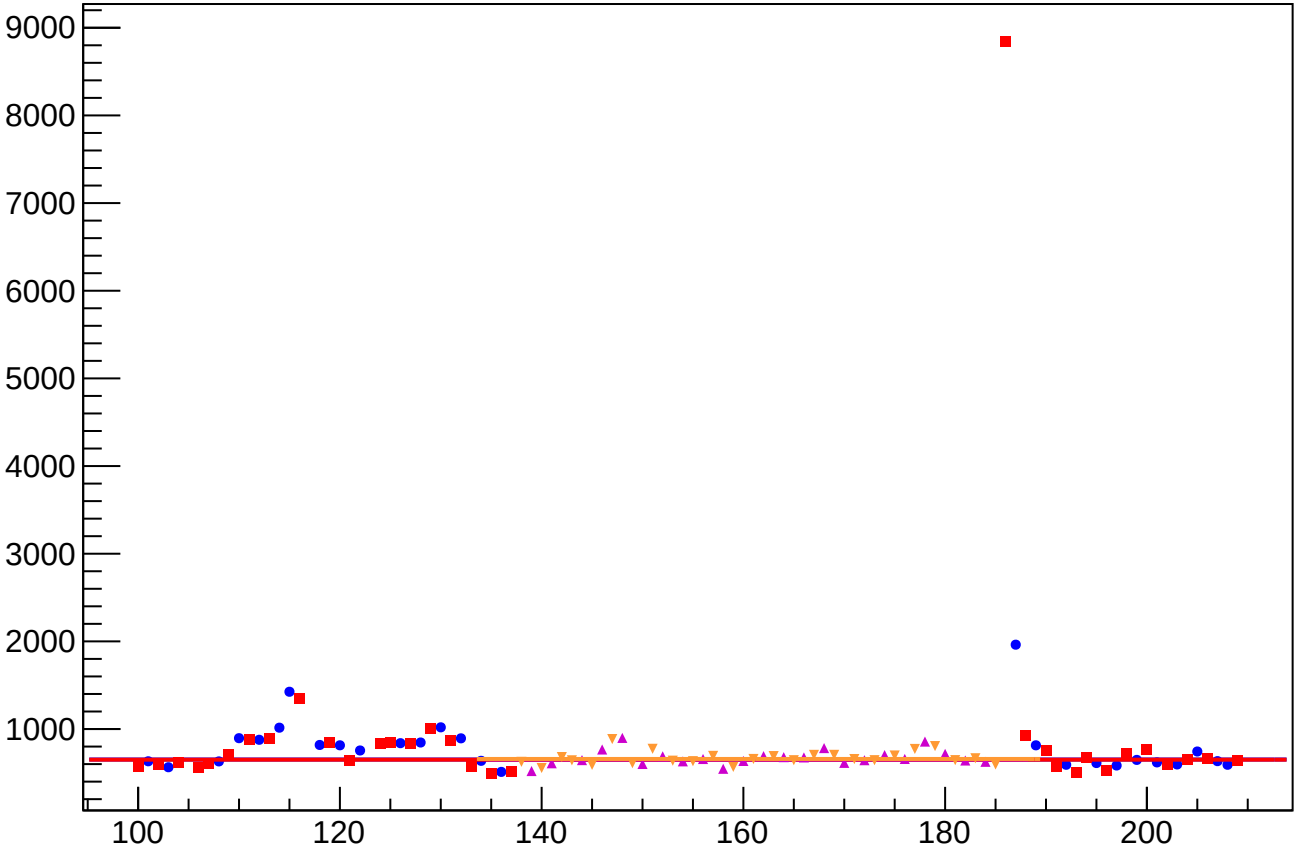
Right: 114.698+/-116.672 χ^2/NDF: 55.4/58

In: -64.213+/-113.650 χ^2/NDF:59.5/49

Out: -91.502+/-110.492 χ^2/NDF:59.4/56

All: -78.242+/-79.223 χ^2/NDF: 119.0/106

asym_sam_15_dd_rms vs Slug, Sign Corrected



Right In: 652.268+/-0.119 χ^2/NDF: 1095923.6/26

Left Out: 658.672+/-0.107 χ^2/NDF:409684.4/24

Right Out: 650.478+/-0.115 χ^2/NDF: 1928485.5/31

Left In: 653.950+/-0.109 χ^2/NDF:542078.1/22

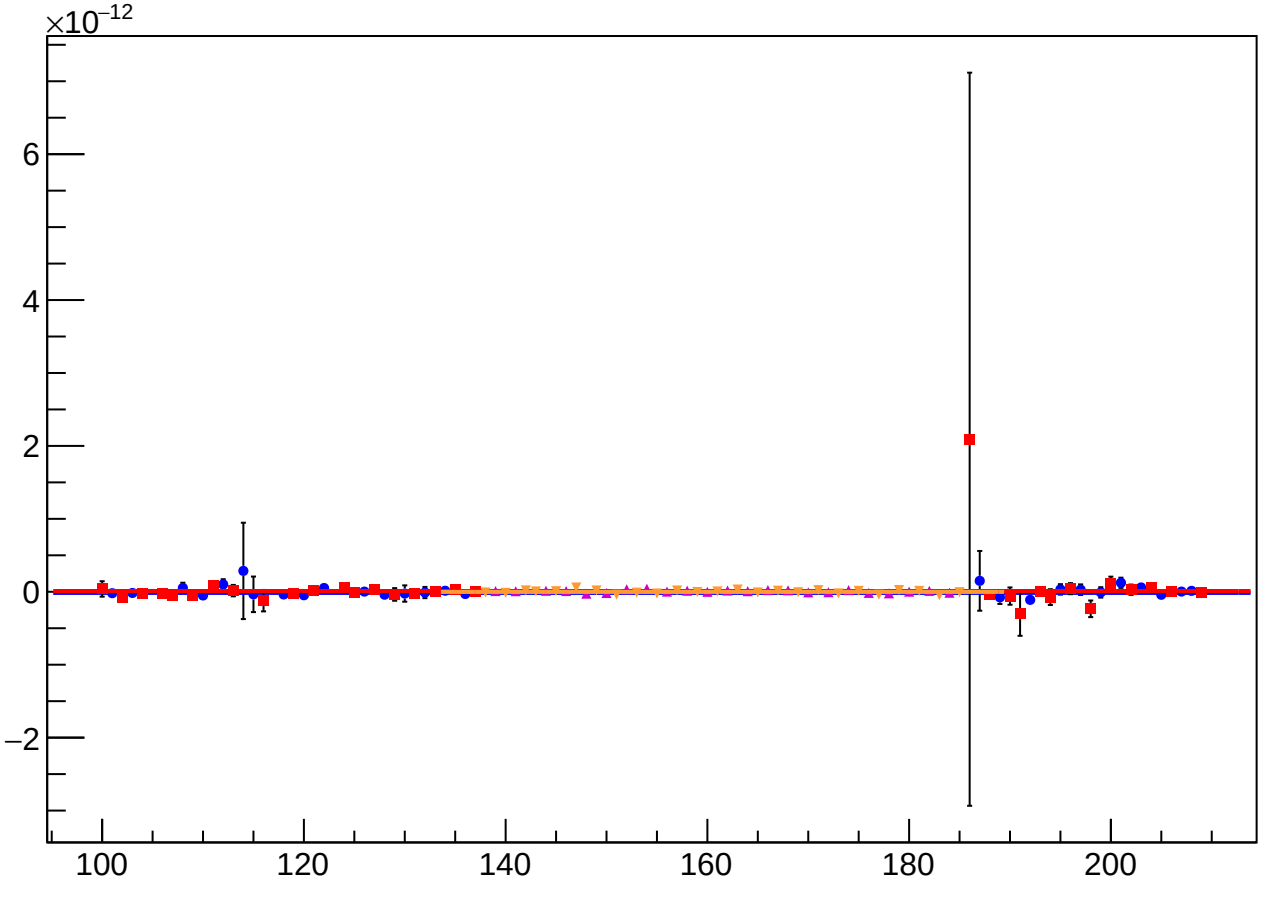
Left: 656.363+/-0.076 χ^2/NDF: 952719.4/47

Right: 651.342+/-0.082 χ^2/NDF: 3024526.6/58

In: 653.180+/-0.080 χ^2/NDF:1638110.5/49

Out: 654.868+/-0.078 χ^2/NDF:2340905.5/56

All: 654.048+/-0.056 χ^2/NDF: 3979243.0/106



Right In: -0.000+/-0.000 χ^2/NDF: 20.9/26

Left Out: -0.000+/-0.000 χ^2/NDF:31.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 26.6/31

Left In: 0.000+/-0.000 χ^2/NDF:15.6/22

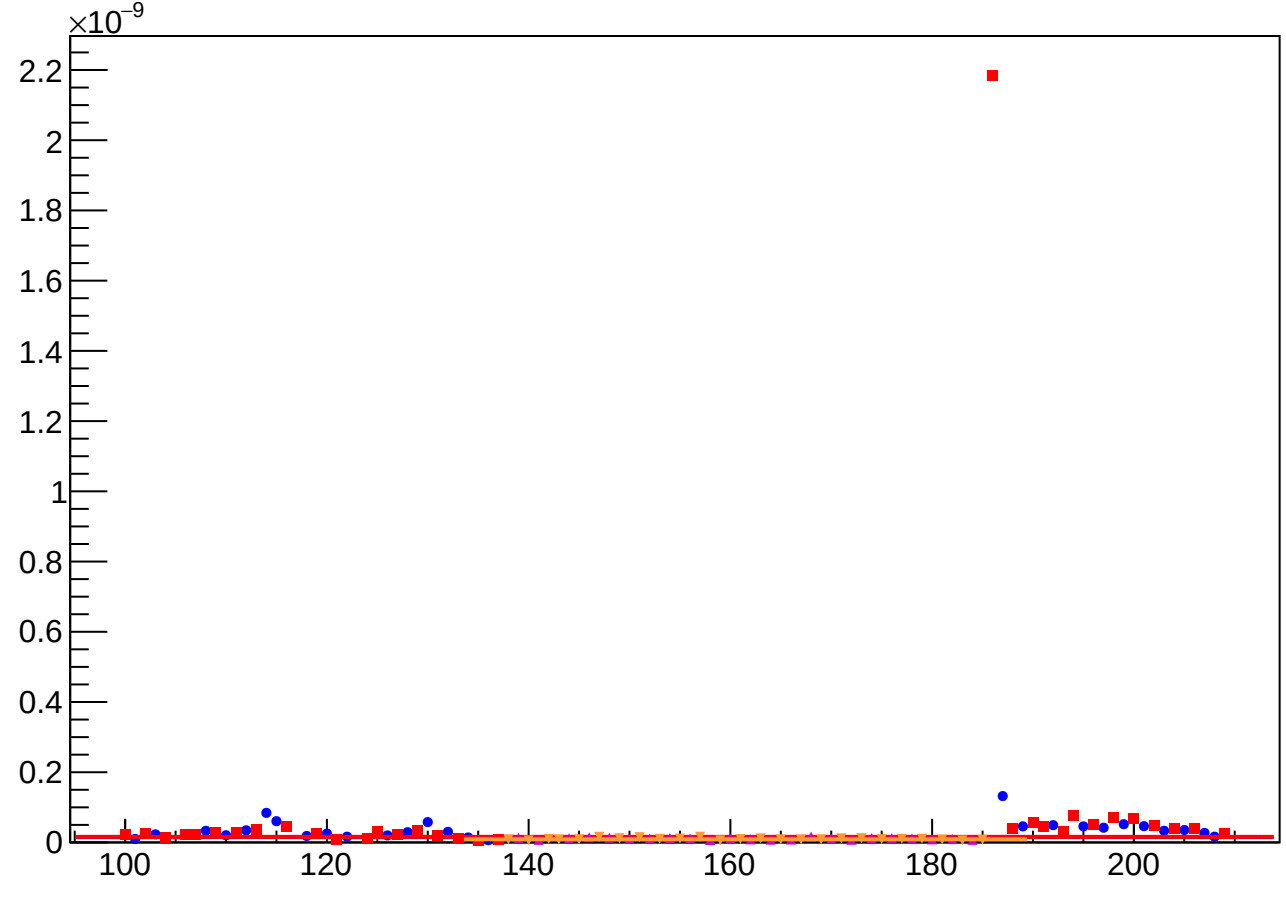
Left: 0.000+/-0.000 χ^2/NDF: 51.0/47

Right: -0.000+/-0.000 χ^2/NDF: 54.2/58

In: 0.000+/-0.000 χ^2/NDF:45.0/49

Out: 0.000+/-0.000 χ^2/NDF:60.8/56

All: 0.000+/-0.000 χ^2/NDF: 106.0/106



Right In: 0.000+/-0.000 χ^2/NDF: 5636618.5/26

Left Out: 0.000+/-0.000 χ^2/NDF:1037287.1/24

Right Out: 0.000+/-0.000 χ^2/NDF: 7221987.0/31

Left In: 0.000+/-0.000 χ^2/NDF:659247.6/22

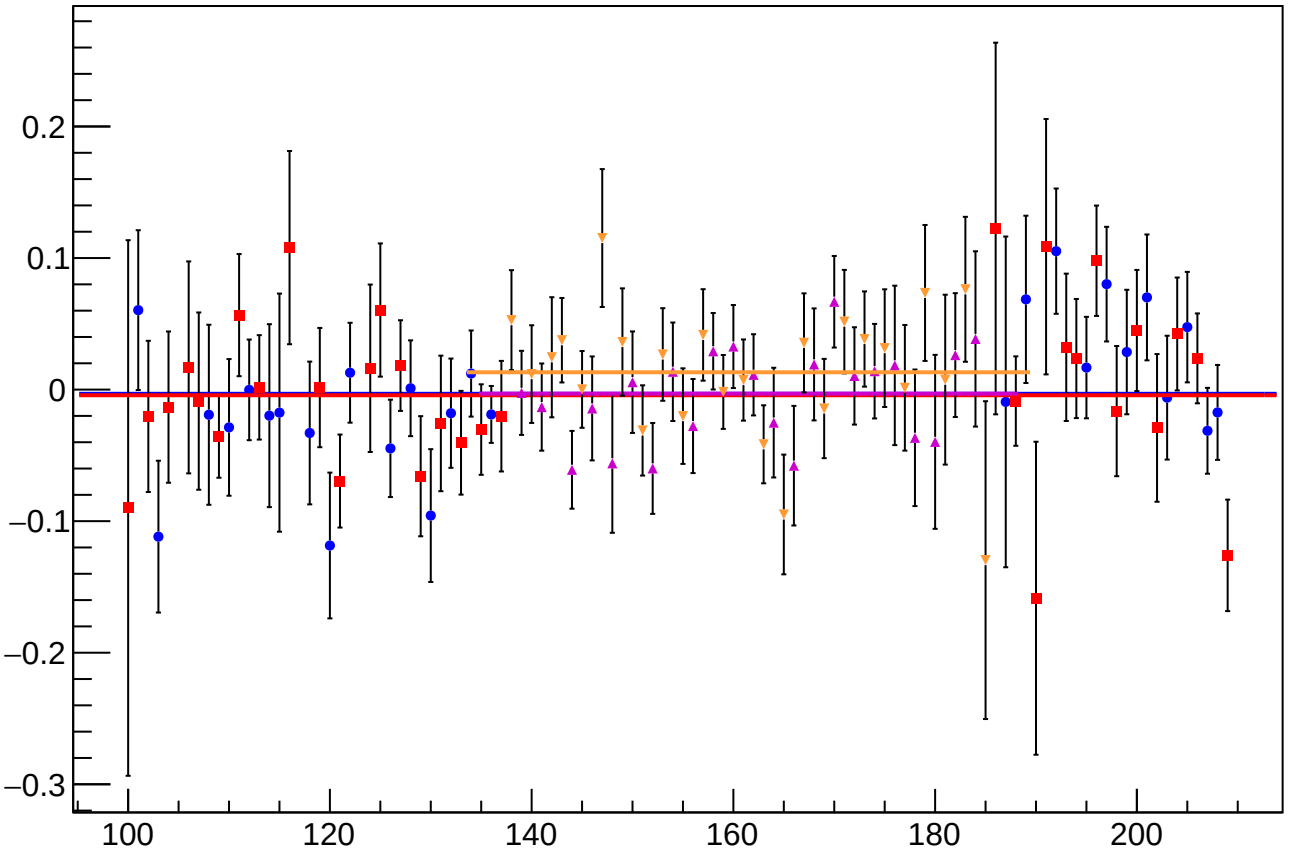
Left: 0.000+/-0.000 χ^2/NDF: 1807691.0/47

Right: 0.000+/-0.000 χ^2/NDF: 12868855.1/58

In: 0.000+/-0.000 χ^2/NDF:7071309.8/49

Out: 0.000+/-0.000 χ^2/NDF:9778011.9/56

All: 0.000+/-0.000 χ^2/NDF: 16968870.4/106



Right In: -0.003+/-0.008 χ^2/NDF: 30.9/26

Left Out: 0.013+/-0.008 χ^2/NDF:25.4/24

Right Out: -0.004+/-0.008 χ^2/NDF: 36.7/31

Left In: -0.003+/-0.008 χ^2/NDF:19.2/22

Left: 0.005+/-0.006 χ^2/NDF: 46.7/47

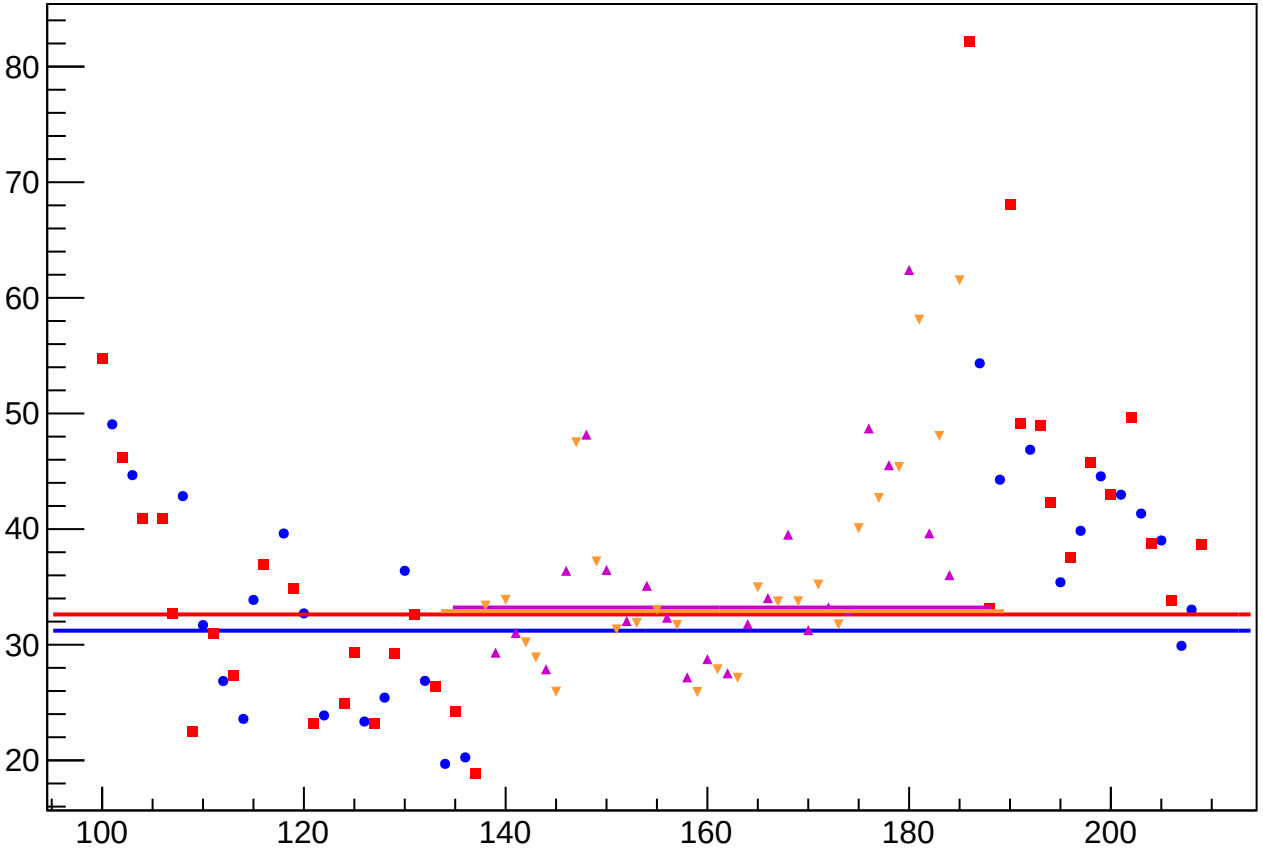
Right: -0.004+/-0.006 χ^2/NDF: 67.6/58

In: -0.003+/-0.006 χ^2/NDF:50.1/49

Out: 0.005+/-0.006 χ^2/NDF:64.5/56

All: 0.001+/-0.004 χ^2/NDF: 115.6/106

asym_sam_15_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 31.217+/-0.006 χ^2/NDF: 2380101.6/26

Left Out: 32.907+/-0.005 χ^2/NDF:1427924.1/24

Right Out: 32.620+/-0.006 χ^2/NDF: 2462984.8/31

Left In: 33.217+/-0.006 χ^2/NDF:1221447.0/22

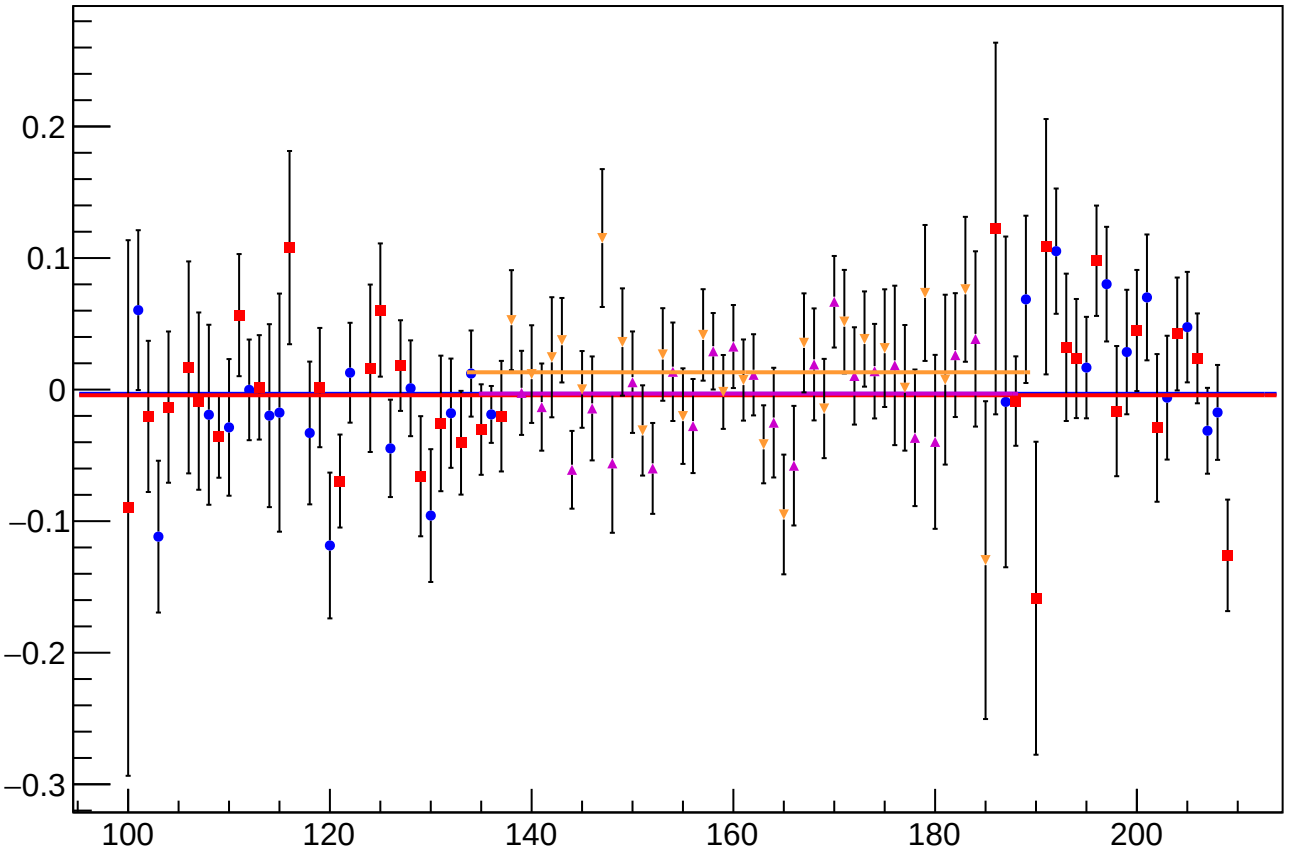
Left: 33.056+/-0.004 χ^2/NDF: 2650936.9/47

Right: 31.918+/-0.004 χ^2/NDF: 4871871.0/58

In: 32.255+/-0.004 χ^2/NDF:3662238.8/49

Out: 32.774+/-0.004 χ^2/NDF:3892205.4/56

All: 32.520+/-0.003 χ^2/NDF: 7562804.4/106



Right In: -0.003+/-0.008 χ^2/NDF: 30.9/26

Left Out: 0.013+/-0.008 χ^2/NDF:25.4/24

Right Out: -0.004+/-0.008 χ^2/NDF: 36.7/31

Left In: -0.003+/-0.008 χ^2/NDF:19.2/22

Left: 0.005+/-0.006 χ^2/NDF: 46.7/47

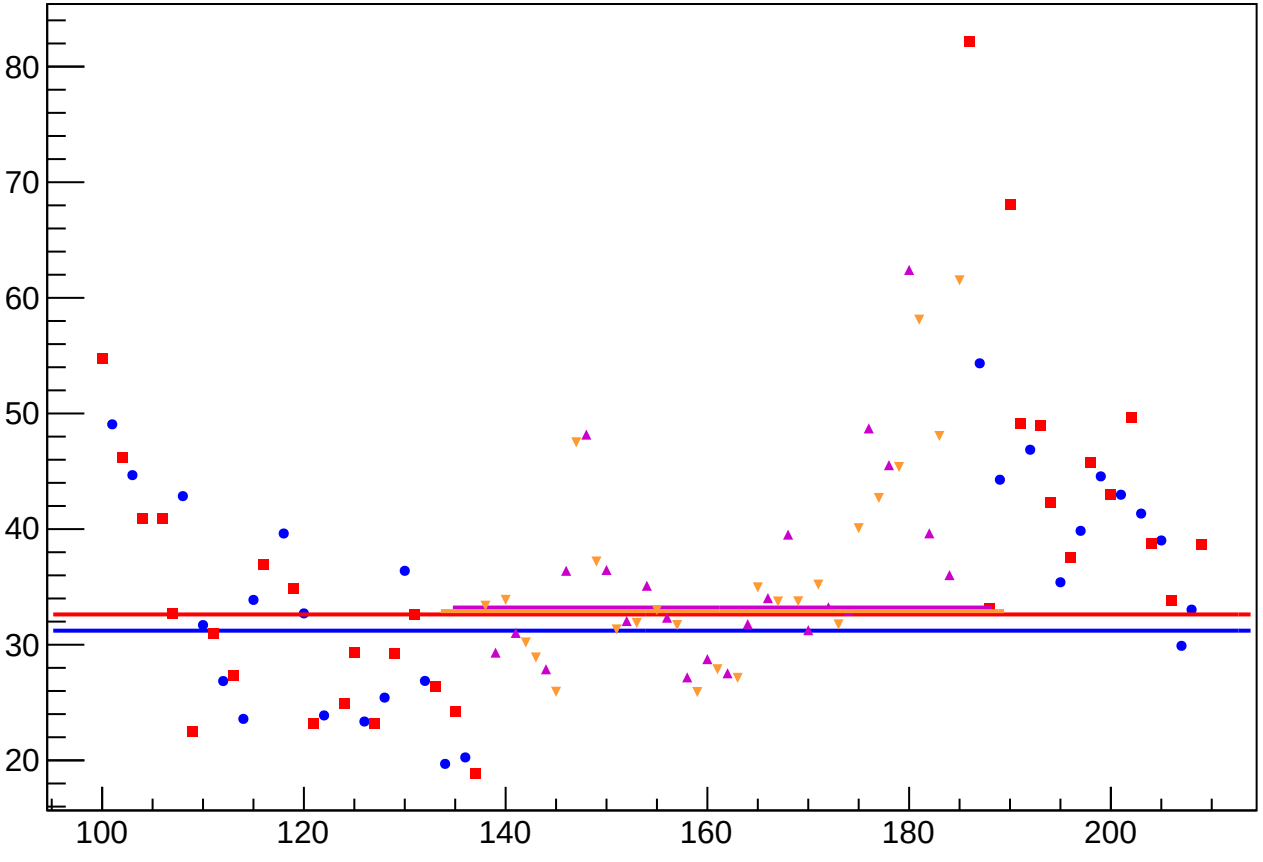
Right: -0.004+/-0.006 χ^2/NDF: 67.6/58

In: -0.003+/-0.006 χ^2/NDF:50.1/49

Out: 0.005+/-0.006 χ^2/NDF:64.5/56

All: 0.001+/-0.004 χ^2/NDF: 115.6/106

asym_sam_15_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 31.217+/-0.006 χ^2/NDF: 2380101.6/26

Left Out: 32.907+/-0.005 χ^2/NDF:1427924.1/24

Right Out: 32.620+/-0.006 χ^2/NDF: 2462984.8/31

Left In: 33.217+/-0.006 χ^2/NDF:1221447.0/22

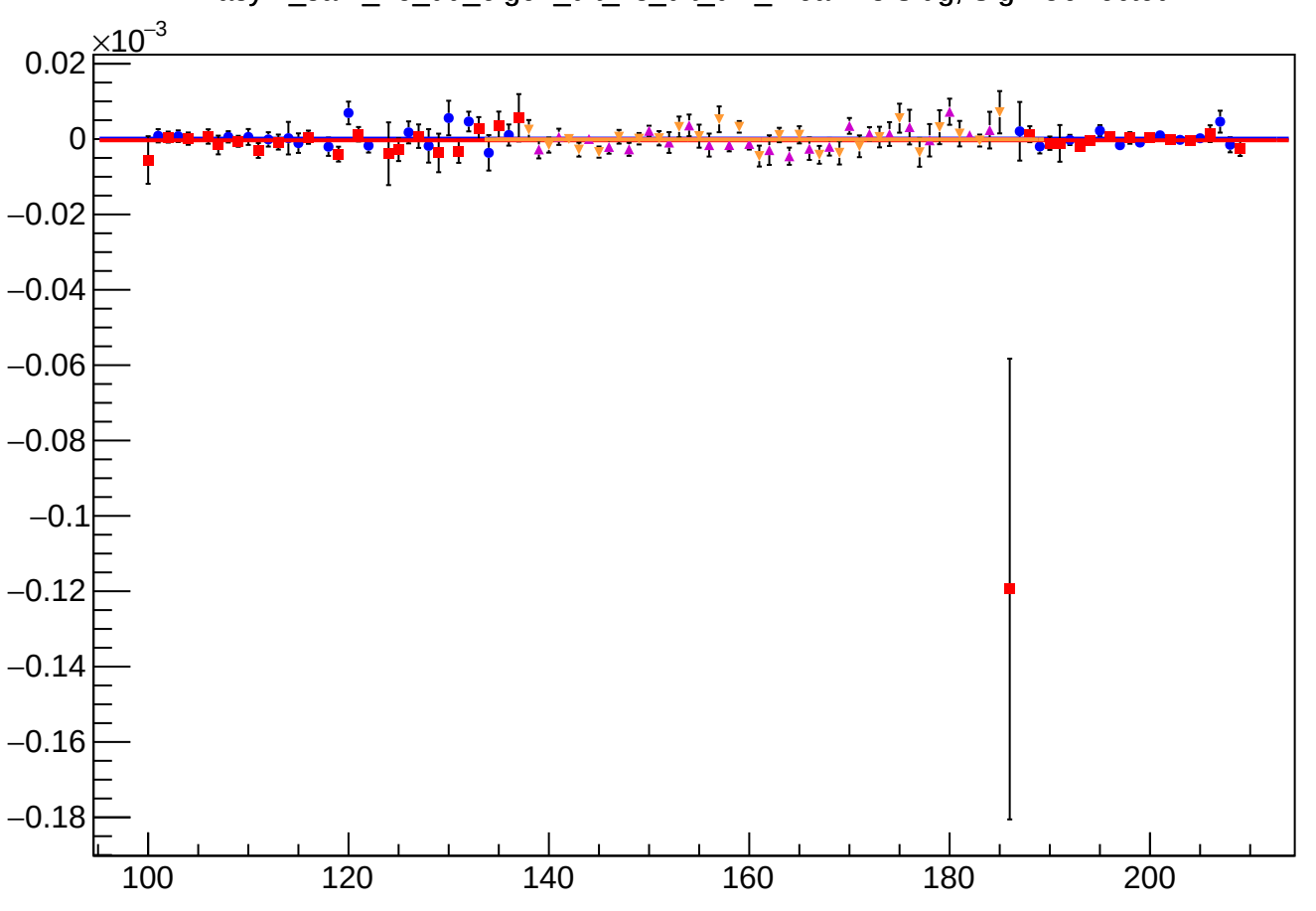
Left: 33.056+/-0.004 χ^2/NDF: 2650936.9/47

Right: 31.918+/-0.004 χ^2/NDF: 4871871.0/58

In: 32.255+/-0.004 χ^2/NDF:3662238.8/49

Out: 32.774+/-0.004 χ^2/NDF:3892205.4/56

All: 32.520+/-0.003 χ^2/NDF: 7562804.4/106



Right In: 0.000+/-0.000 χ^2/NDF: 24.4/26

Left Out: -0.000+/-0.000 χ^2/NDF:31.0/24

Right Out: -0.000+/-0.000 χ^2/NDF: 22.7/31

Left In: -0.000+/-0.000 χ^2/NDF:27.0/22

Left: -0.000+/-0.000 χ^2/NDF: 58.0/47

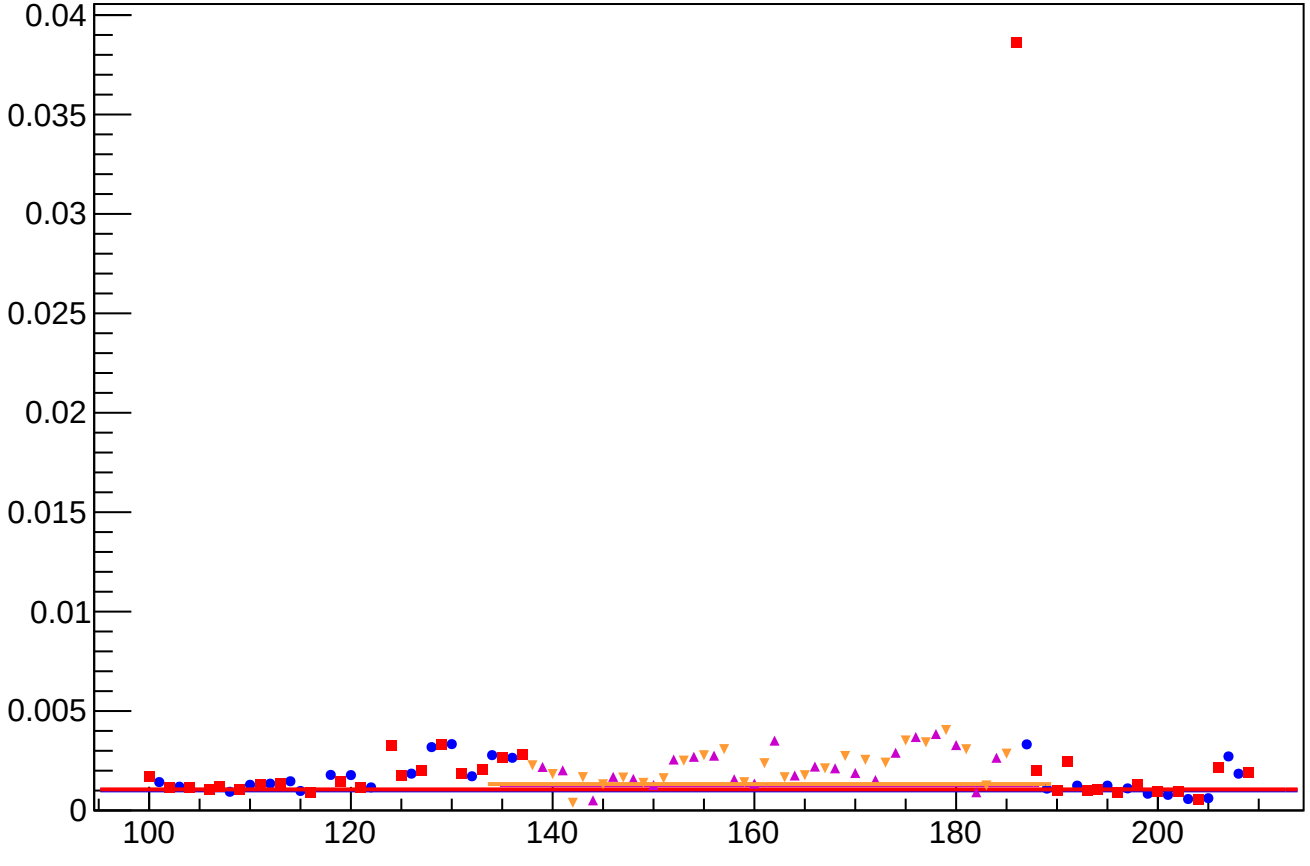
Right: -0.000+/-0.000 χ^2/NDF: 48.2/58

In: 0.000+/-0.000 χ^2/NDF:51.5/49

Out: -0.000+/-0.000 χ^2/NDF:54.0/56

All: -0.000+/-0.000 χ^2/NDF: 106.3/106

asym_sam_15_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.001+/-0.000 χ^2/NDF: 5773760.1/26

Left Out: 0.001+/-0.000 χ^2/NDF:11159347.0/24

Right Out: 0.001+/-0.000 χ^2/NDF: 5756355.6/31

Left In: 0.001+/-0.000 χ^2/NDF:9878422.3/22

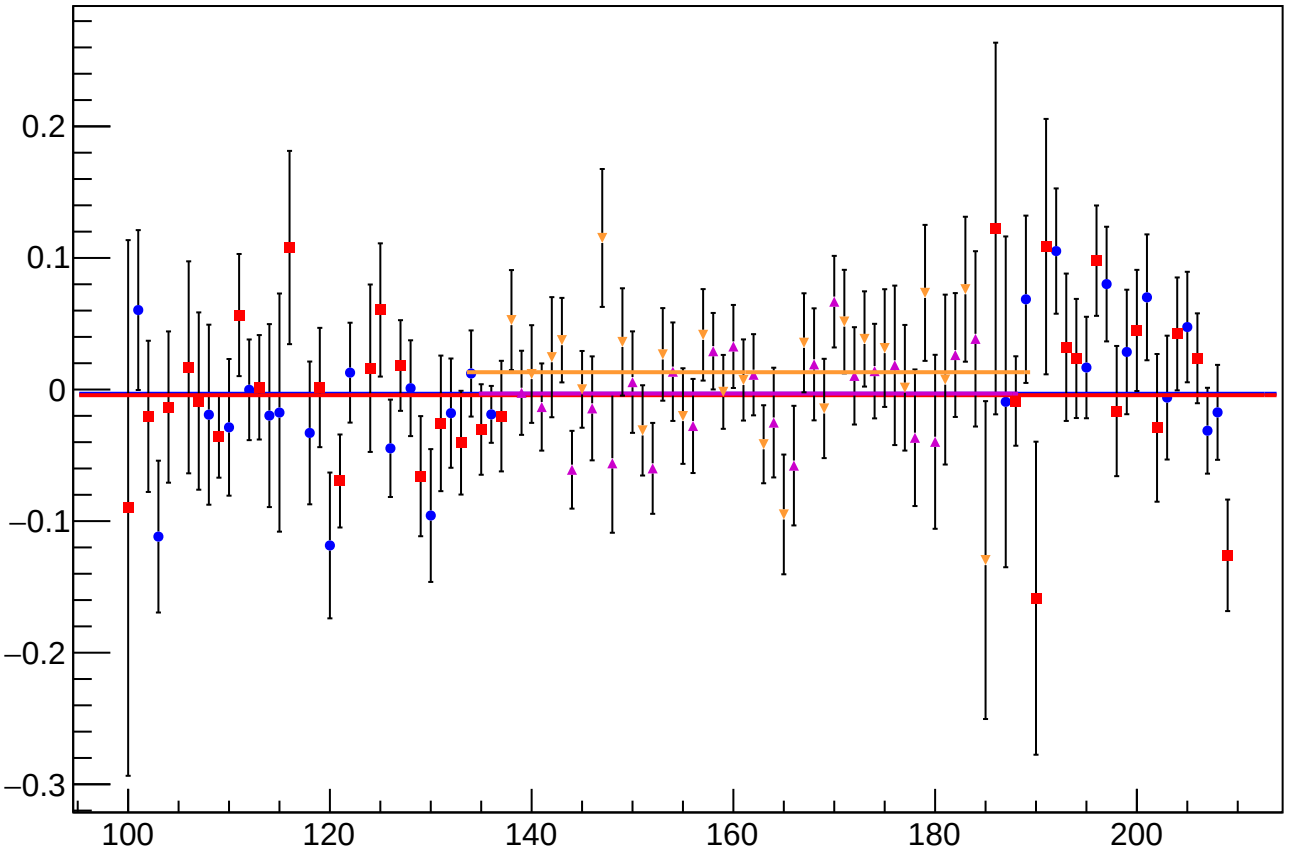
Left: 0.001+/-0.000 χ^2/NDF: 21058948.3/47

Right: 0.001+/-0.000 χ^2/NDF: 11557150.2/58

In: 0.001+/-0.000 χ^2/NDF:16311504.2/49

Out: 0.001+/-0.000 χ^2/NDF:17579994.7/56

All: 0.001+/-0.000 χ^2/NDF: 33928083.6/106



Right In: -0.003+/-0.008 χ^2/NDF: 30.9/26

Left Out: 0.013+/-0.008 χ^2/NDF:25.4/24

Right Out: -0.004+/-0.008 χ^2/NDF: 36.7/31

Left In: -0.003+/-0.008 χ^2/NDF:19.2/22

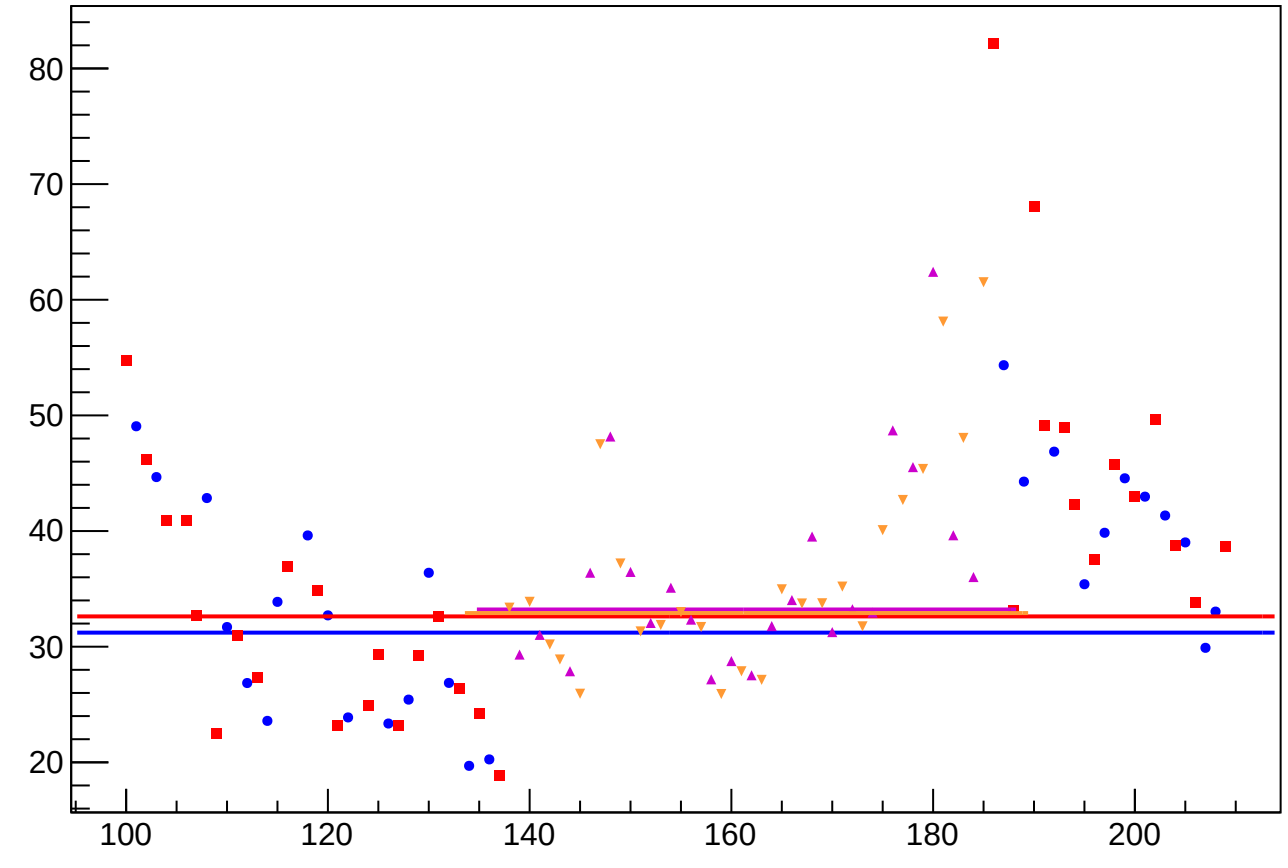
Left: 0.005+/-0.006 χ^2/NDF: 46.7/47

Right: -0.004+/-0.006 χ^2/NDF: 67.6/58

In: -0.003+/-0.006 χ^2/NDF:50.1/49

Out: 0.005+/-0.006 χ^2/NDF:64.5/56

All: 0.001+/-0.004 χ^2/NDF: 115.6/106



Right In: 31.216+/-0.006 χ^2/NDF: 2380302.1/26

Left Out: 32.907+/-0.005 χ^2/NDF:1427993.7/24

Right Out: 32.619+/-0.006 χ^2/NDF: 2463316.4/31

Left In: 33.217+/-0.006 χ^2/NDF:1221516.5/22

Left: 33.056+/-0.004 χ^2/NDF: 2651077.1/47

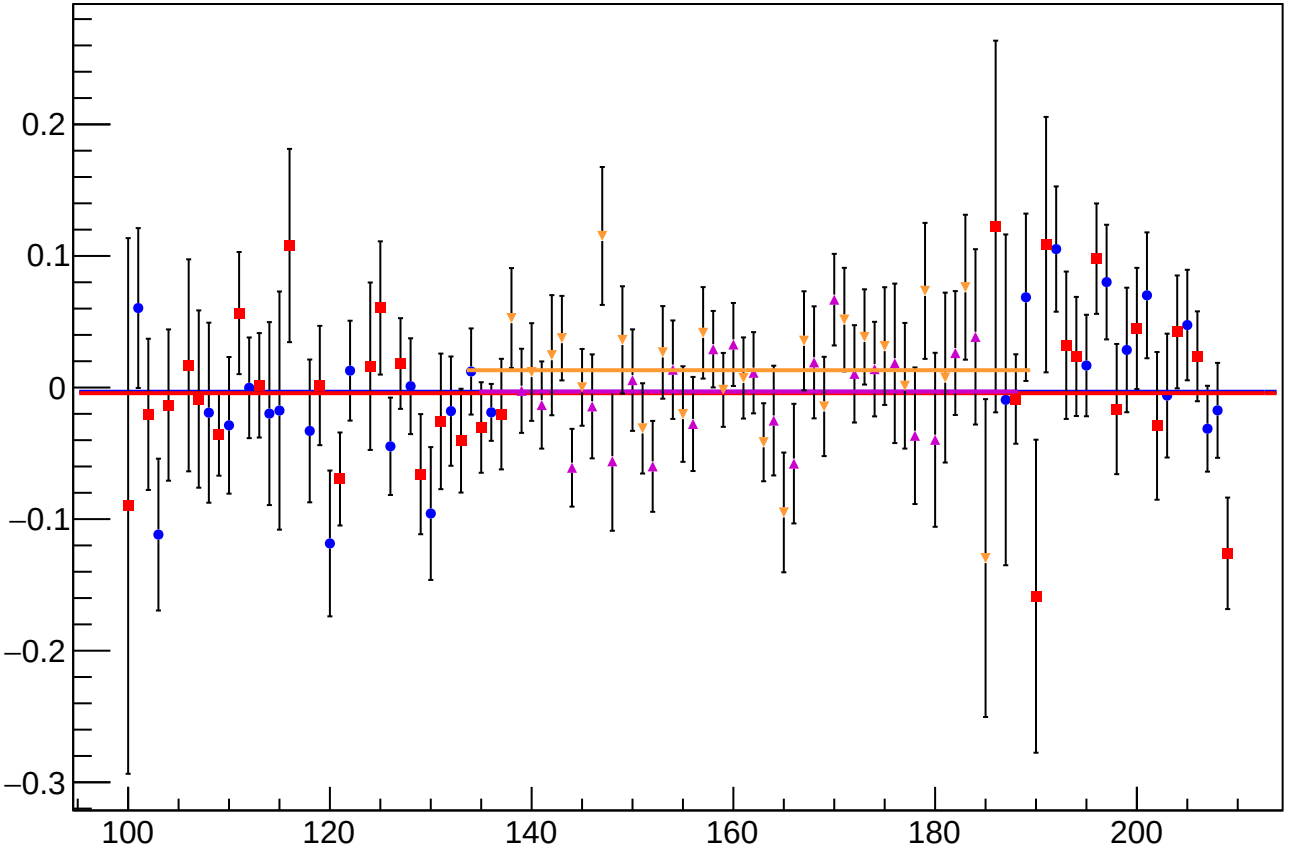
Right: 31.917+/-0.004 χ^2/NDF: 4872395.1/58

In: 32.254+/-0.004 χ^2/NDF:3662565.0/49

Out: 32.774+/-0.004 χ^2/NDF:3892616.1/56

All: 32.519+/-0.003 χ^2/NDF: 7563537.6/106

asym_sam_15_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.003+/-0.008 χ^2/NDF: 30.9/26

Left Out: 0.013+/-0.008 χ^2/NDF:25.4/24

Right Out: -0.004+/-0.008 χ^2/NDF: 36.7/31

Left In: -0.003+/-0.008 χ^2/NDF:19.2/22

Left: 0.005+/-0.006 χ^2/NDF: 46.7/47

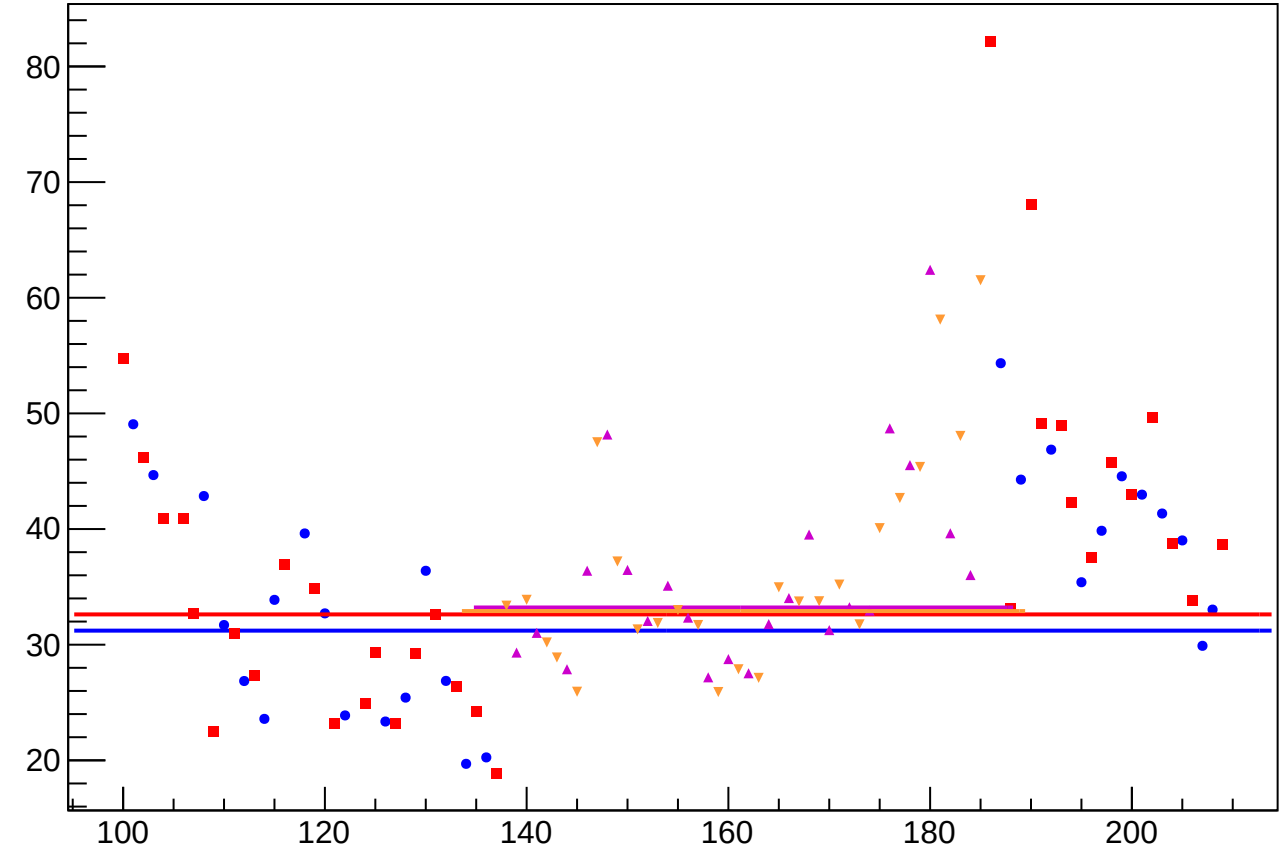
Right: -0.004+/-0.006 χ^2/NDF: 67.6/58

In: -0.003+/-0.006 χ^2/NDF:50.1/49

Out: 0.005+/-0.006 χ^2/NDF:64.5/56

All: 0.001+/-0.004 χ^2/NDF: 115.6/106

asym_sam_15_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 31.216+/-0.006 χ^2/NDF: 2380302.1/26

Left Out: 32.907+/-0.005 χ^2/NDF:1427993.7/24

Right Out: 32.619+/-0.006 χ^2/NDF: 2463316.4/31

Left In: 33.217+/-0.006 χ^2/NDF:1221516.5/22

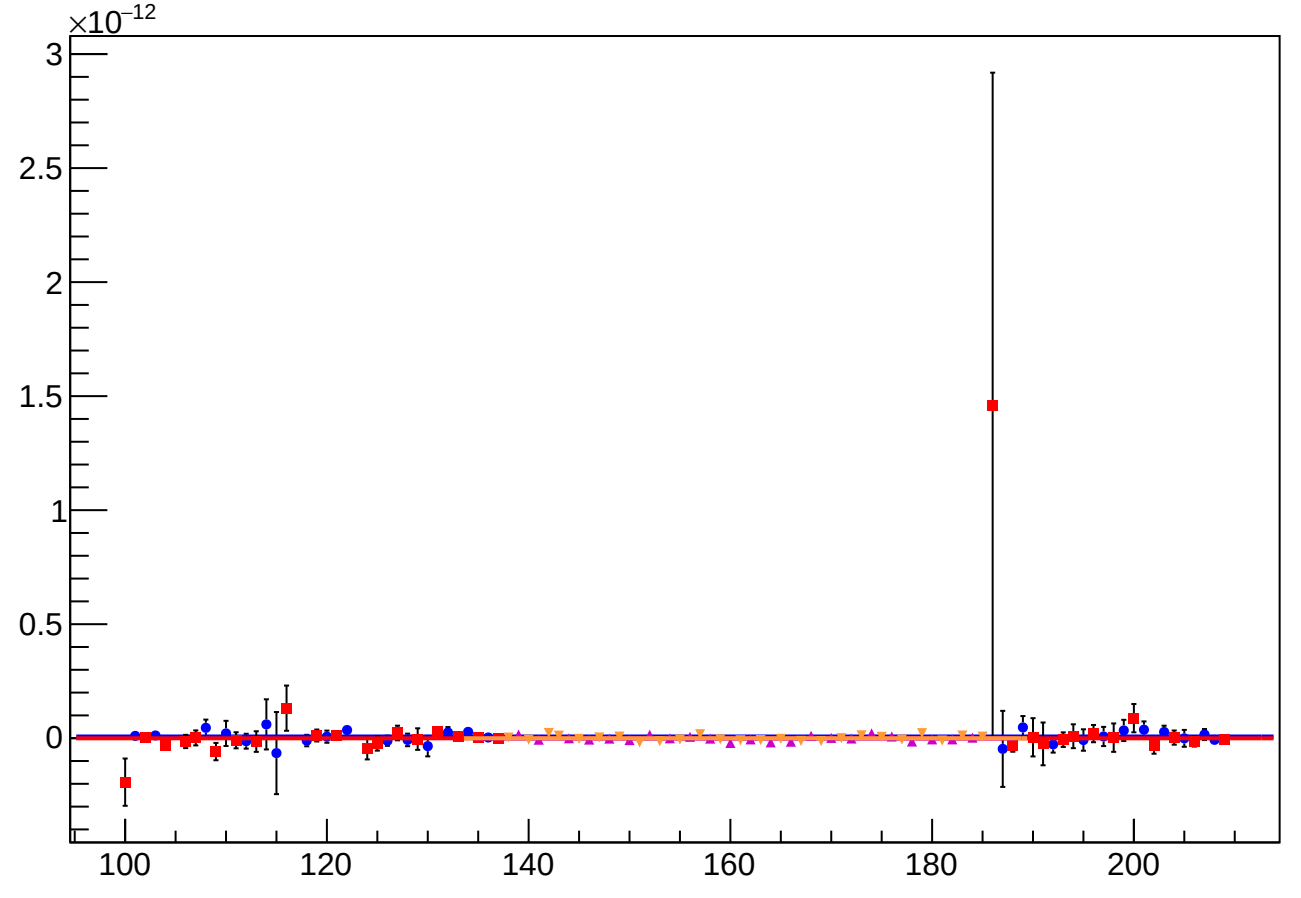
Left: 33.056+/-0.004 χ^2/NDF: 2651077.1/47

Right: 31.917+/-0.004 χ^2/NDF: 4872395.1/58

In: 32.254+/-0.004 χ^2/NDF:3662565.0/49

Out: 32.774+/-0.004 χ^2/NDF:3892616.1/56

All: 32.519+/-0.003 χ^2/NDF: 7563537.6/106



Right In: 0.000+/-0.000 χ^2/NDF: 12.2/26

Left Out: -0.000+/-0.000 χ^2/NDF:31.0/24

Right Out: -0.000+/-0.000 χ^2/NDF: 21.7/31

Left In: -0.000+/-0.000 χ^2/NDF:25.3/22

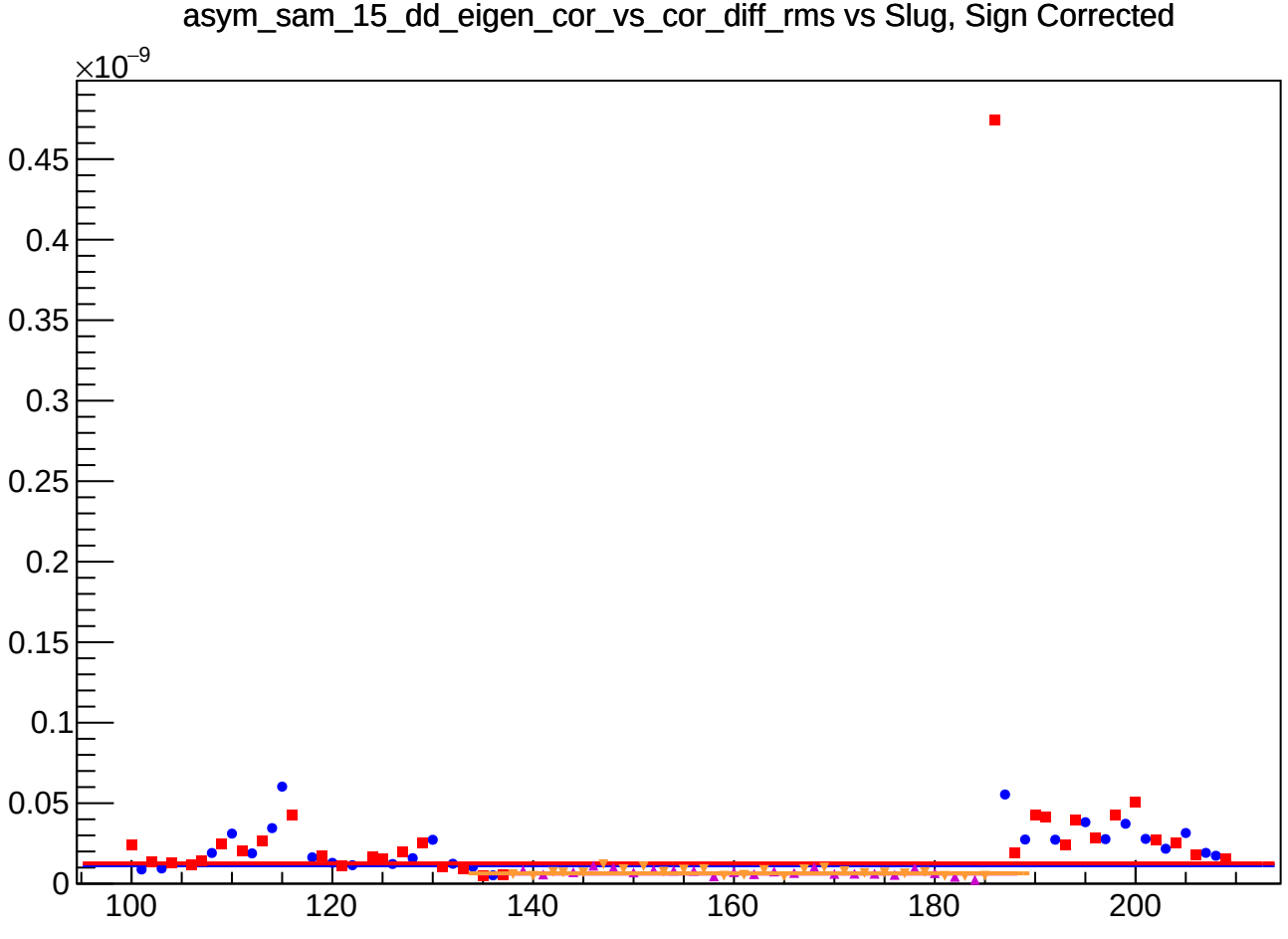
Left: -0.000+/-0.000 χ^2/NDF: 56.5/47

Right: 0.000+/-0.000 χ^2/NDF: 35.7/58

In: 0.000+/-0.000 χ^2/NDF:41.2/49

Out: -0.000+/-0.000 χ^2/NDF:52.8/56

All: -0.000+/-0.000 χ^2/NDF: 94.0/106



Right In: 0.000+/-0.000 χ^2/NDF: 6927311.3/26

Left Out: 0.000+/-0.000 χ^2/NDF:1879116.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 7204270.4/31

Left In: 0.000+/-0.000 χ^2/NDF:2127144.3/22

Left: 0.000+/-0.000 χ^2/NDF: 4010035.8/47

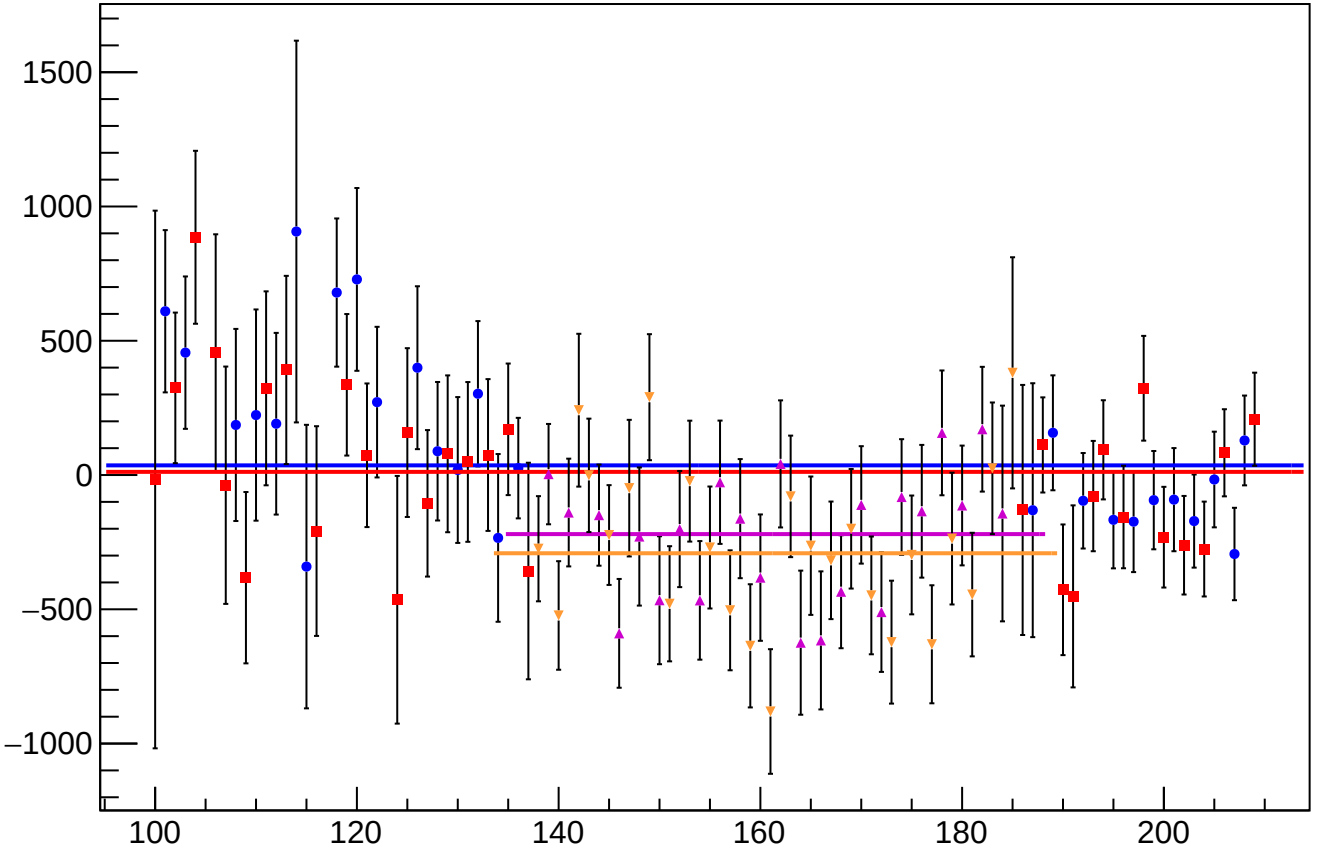
Right: 0.000+/-0.000 χ^2/NDF: 14204652.9/58

In: 0.000+/-0.000 χ^2/NDF:11564684.3/49

Out: 0.000+/-0.000 χ^2/NDF:12463933.4/56

All: 0.000+/-0.000 χ^2/NDF: 24035910.0/106

reg_asym_sam_26_dd_mean vs Slug, Sign Corrected



Right In: 35.964+/-45.336 χ^2/NDF: 31.9/26

Left Out: -291.313+/-45.614 χ^2/NDF:36.4/24

Right Out: 11.808+/-44.233 χ^2/NDF: 35.1/31

Left In: -219.974+/-47.146 χ^2/NDF:23.7/22

Left: -256.821+/-32.782 χ^2/NDF: 61.3/47

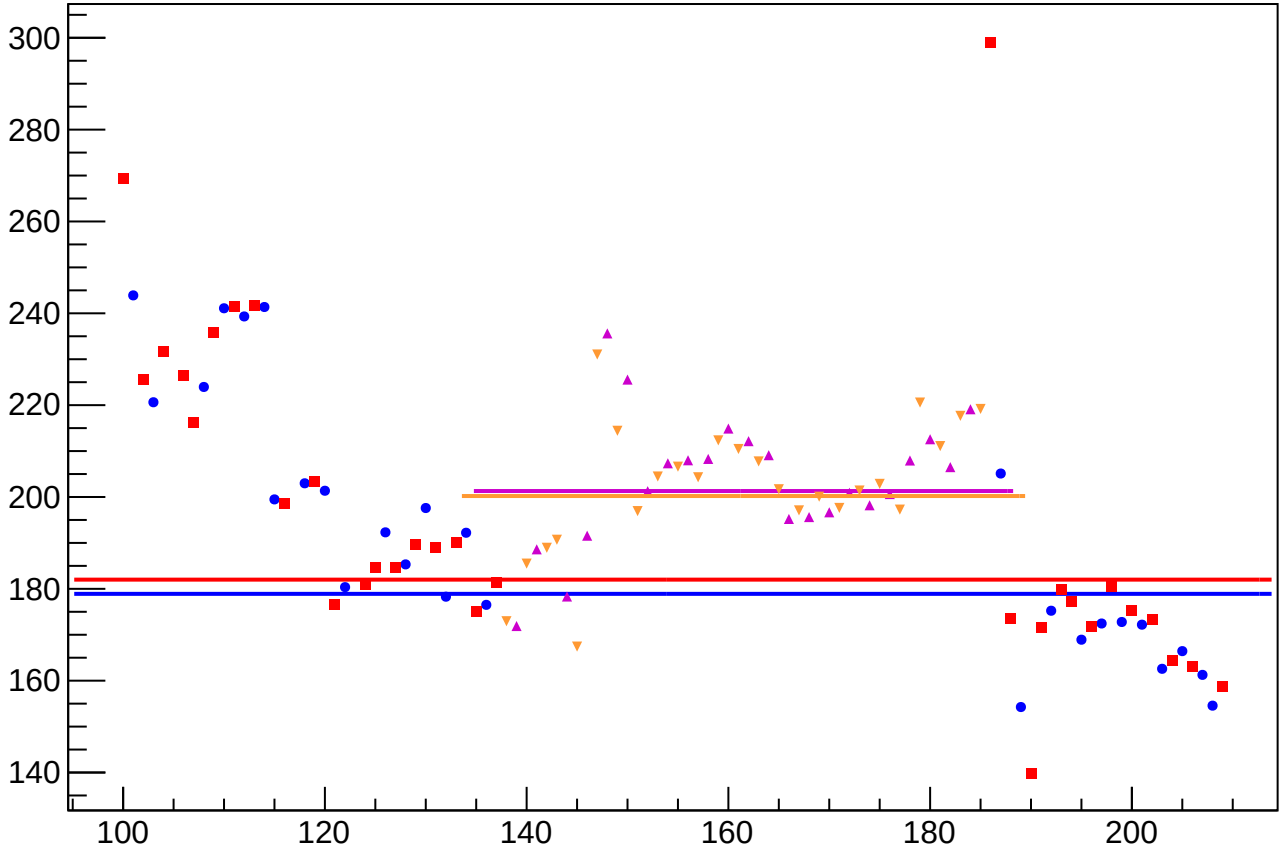
Right: 23.588+/-31.660 χ^2/NDF: 67.1/58

In: -87.000+/-32.679 χ^2/NDF:70.9/49

Out: -135.097+/-31.755 χ^2/NDF:94.2/56

All: -111.738+/-22.774 χ^2/NDF: 166.2/106

reg_asym_sam_26_dd_rms vs Slug, Sign Corrected



Right In: 178.908+/-0.032 χ^2/NDF: 480017.7/26

Left Out: 200.210+/-0.032 χ^2/NDF:204393.9/24

Right Out: 182.004+/-0.031 χ^2/NDF: 626942.9/31

Left In: 201.297+/-0.033 χ^2/NDF:181646.8/22

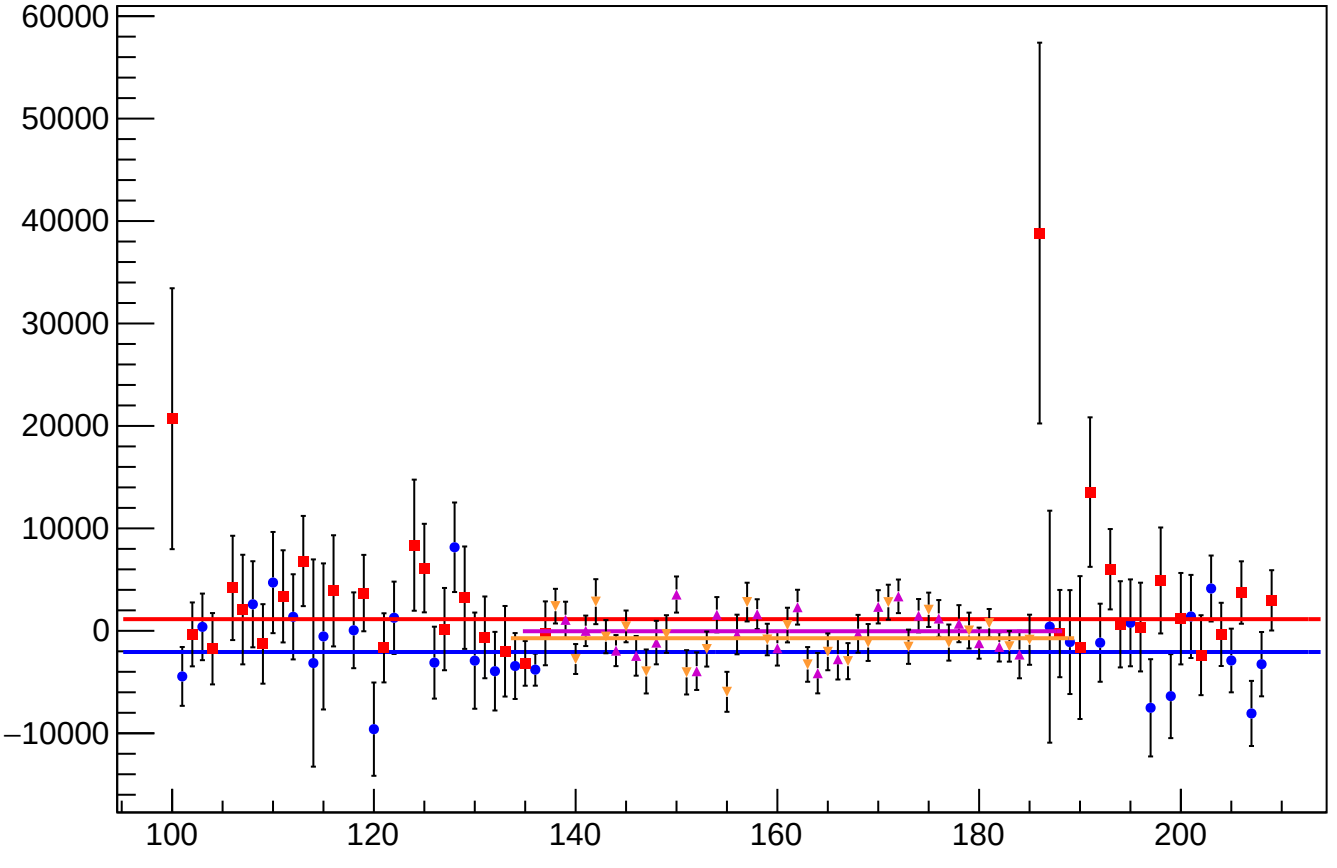
Left: 200.736+/-0.023 χ^2/NDF: 386590.4/47

Right: 180.494+/-0.022 χ^2/NDF: 1111739.8/58

In: 189.665+/-0.023 χ^2/NDF:896017.8/49

Out: 190.827+/-0.022 χ^2/NDF:995534.4/56

All: 190.263+/-0.016 χ^2/NDF: 1892854.4/106



Right In: -2066.456+/-691.476 χ^2/NDF: 27.5/26

Left Out: -720.700+/-346.376 χ^2/NDF:38.3/24

Right Out: 1140.345+/-709.396 χ^2/NDF: 26.6/31

Left In: -39.277+/-359.265 χ^2/NDF:34.4/22

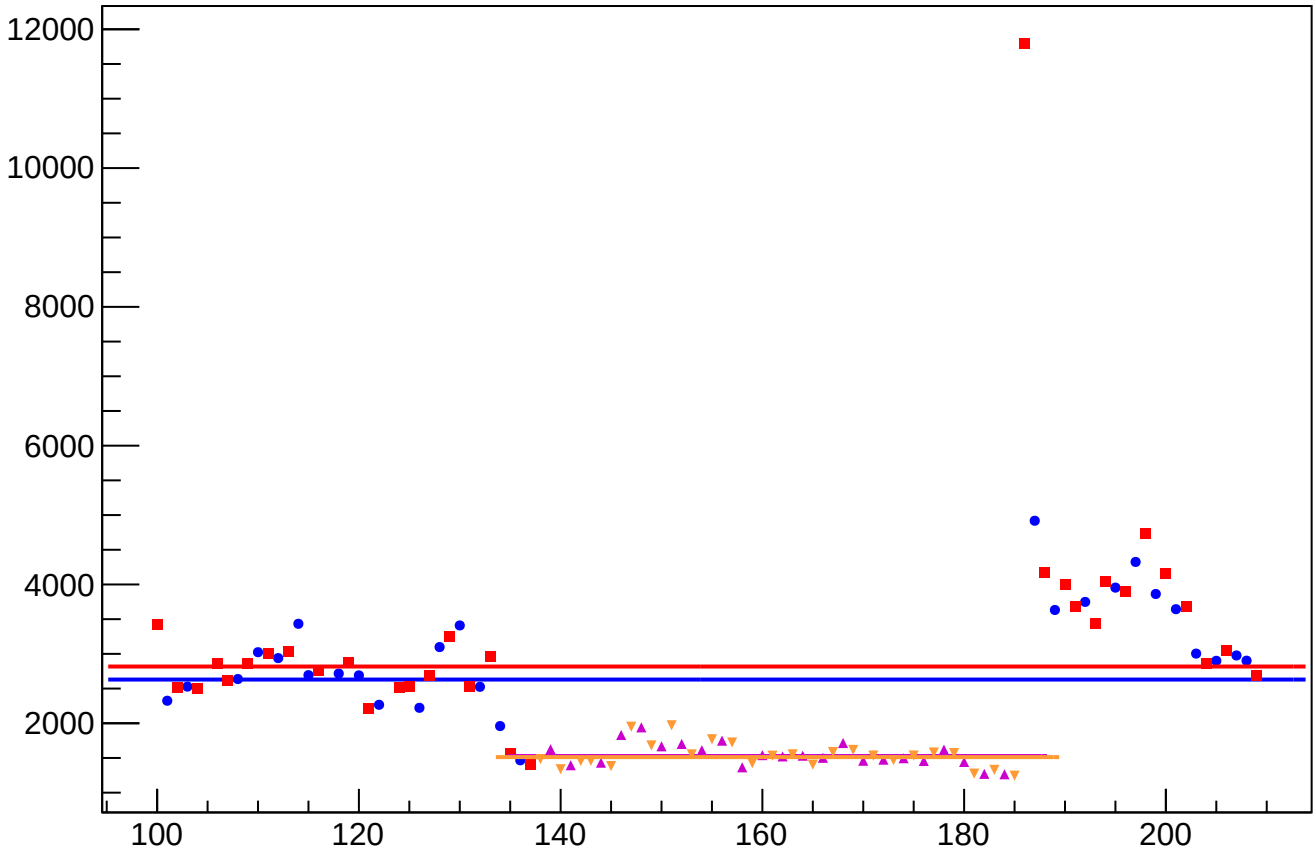
Left: -392.431+/-249.357 χ^2/NDF: 74.6/47

Right: -504.070+/-495.161 χ^2/NDF: 64.6/58

In: -470.183+/-318.803 χ^2/NDF:68.7/49

Out: -362.429+/-311.255 χ^2/NDF:70.4/56

All: -415.016+/-222.711 χ^2/NDF: 139.2/106



Right In: 2629.850+/-0.489 χ^2/NDF: 2553923.8/26

Left Out: 1512.365+/-0.245 χ^2/NDF:442558.0/24

Right Out: 2817.605+/-0.502 χ^2/NDF: 2905592.8/31

Left In: 1527.964+/-0.254 χ^2/NDF:373844.4/22

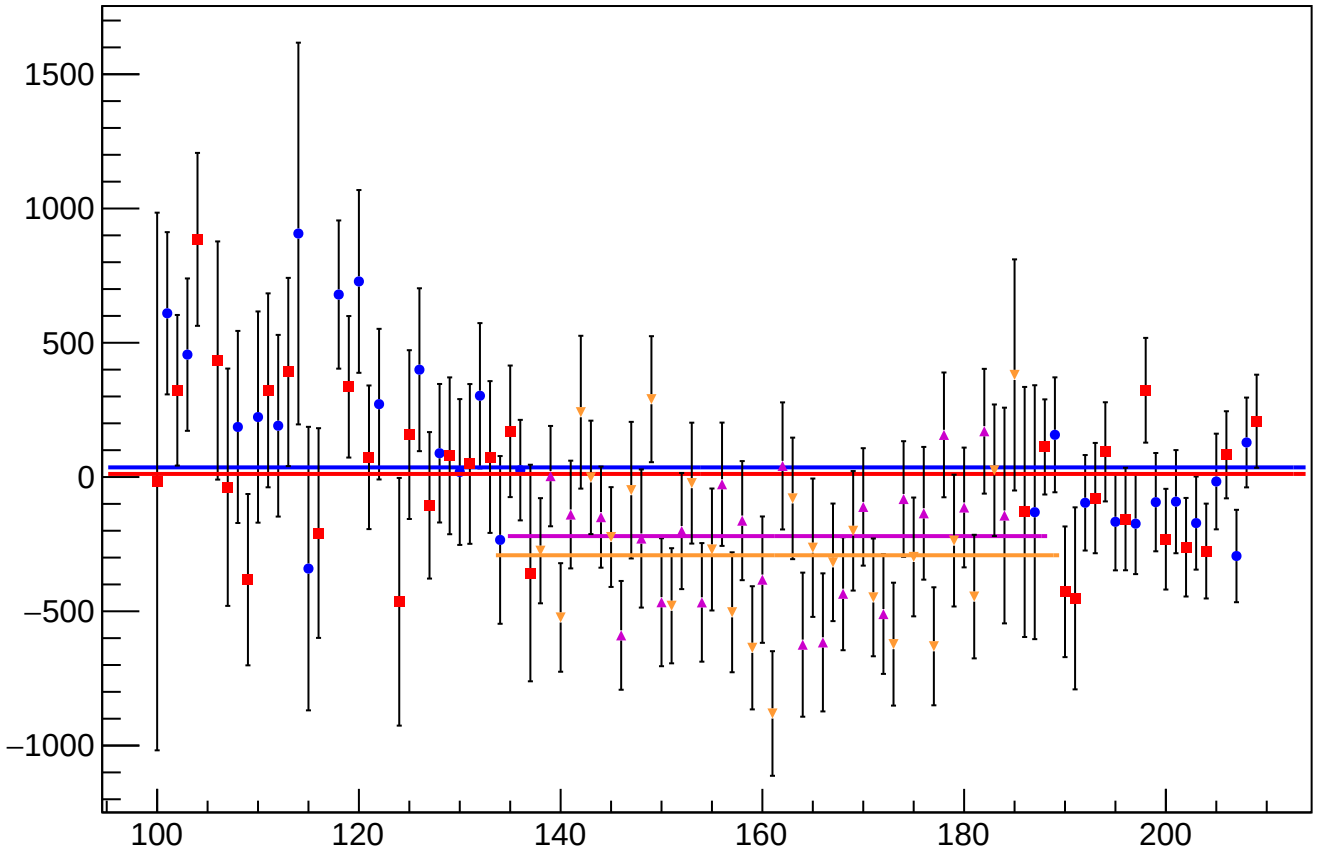
Left: 1519.879+/-0.176 χ^2/NDF: 818356.6/47

Right: 2721.326+/-0.350 χ^2/NDF: 5531357.8/58

In: 1762.186+/-0.225 χ^2/NDF:6926885.6/49

Out: 1763.637+/-0.220 χ^2/NDF:8815418.7/56

All: 1762.929+/-0.157 χ^2/NDF: 15742325.5/1



Right In: 35.954+/-45.336 χ^2/NDF: 31.9/26

Left Out: -291.316+/-45.614 χ^2/NDF:36.4/24

Right Out: 11.515+/-44.236 χ^2/NDF: 34.9/31

Left In: -219.983+/-47.146 χ^2/NDF:23.7/22

Left: -256.827+/-32.782 χ^2/NDF: 61.3/47

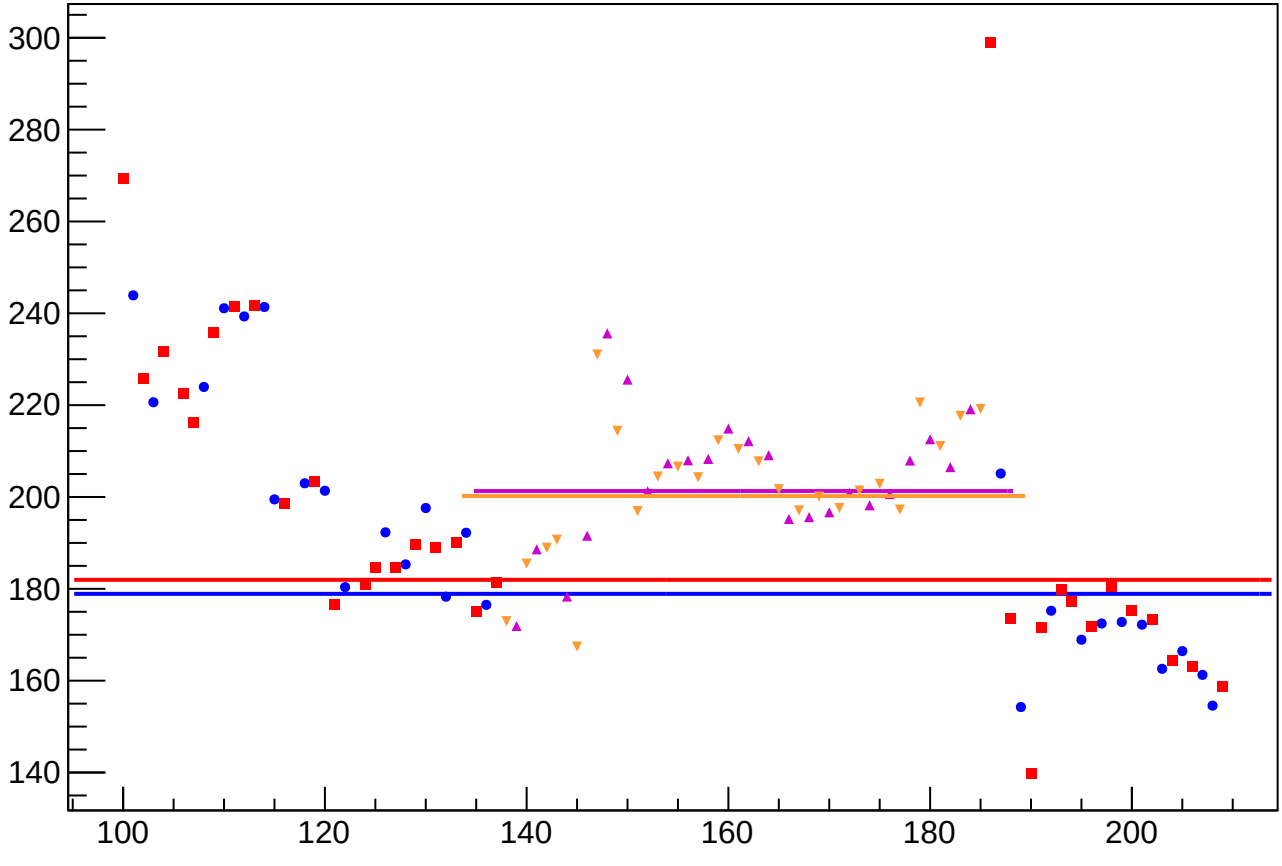
Right: 23.434+/-31.661 χ^2/NDF: 67.0/58

In: -87.009+/-32.679 χ^2/NDF:70.9/49

Out: -135.256+/-31.755 χ^2/NDF:94.0/56

All: -111.824+/-22.774 χ^2/NDF: 166.1/106

cor_asym_sam_26_dd_rms vs Slug, Sign Corrected



Right In: 178.908+/-0.032 χ^2/NDF: 480018.2/26

Left Out: 200.210+/-0.032 χ^2/NDF:204394.0/24

Right Out: 181.962+/-0.031 χ^2/NDF: 623493.0/31

Left In: 201.297+/-0.033 χ^2/NDF:181646.8/22

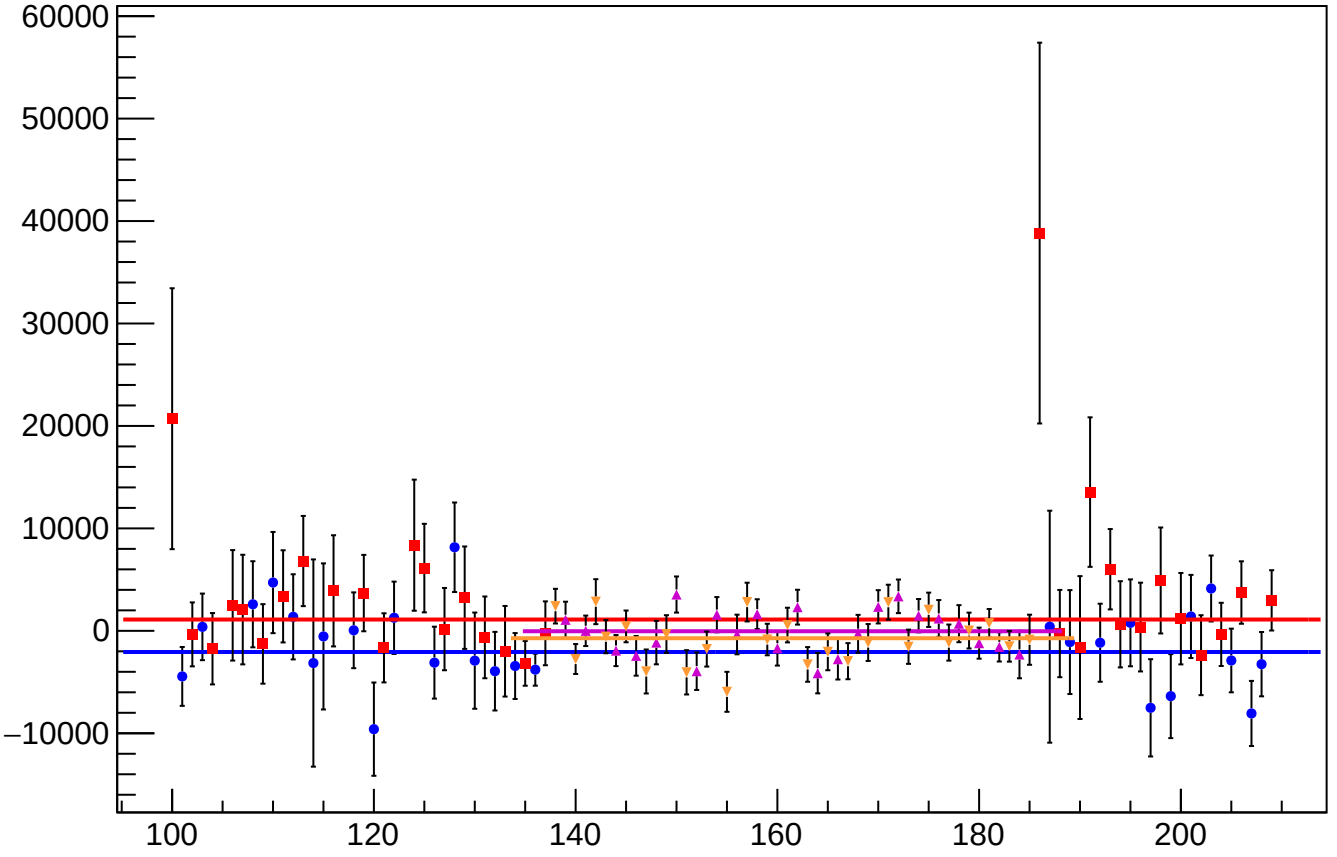
Left: 200.736+/-0.023 χ^2/NDF: 386590.4/47

Right: 180.473+/-0.022 χ^2/NDF: 1108162.1/58

In: 189.665+/-0.023 χ^2/NDF:896018.3/49

Out: 190.806+/-0.022 χ^2/NDF:992831.4/56

All: 190.252+/-0.016 χ^2/NDF: 1890105.0/106



Right In: -2066.441+/-691.477 χ^2/NDF: 27.5/26

Left Out: -720.705+/-346.376 χ^2/NDF:38.3/24

Right Out: 1104.589+/-710.159 χ^2/NDF: 26.3/31

Left In: -39.275+/-359.265 χ^2/NDF:34.4/22

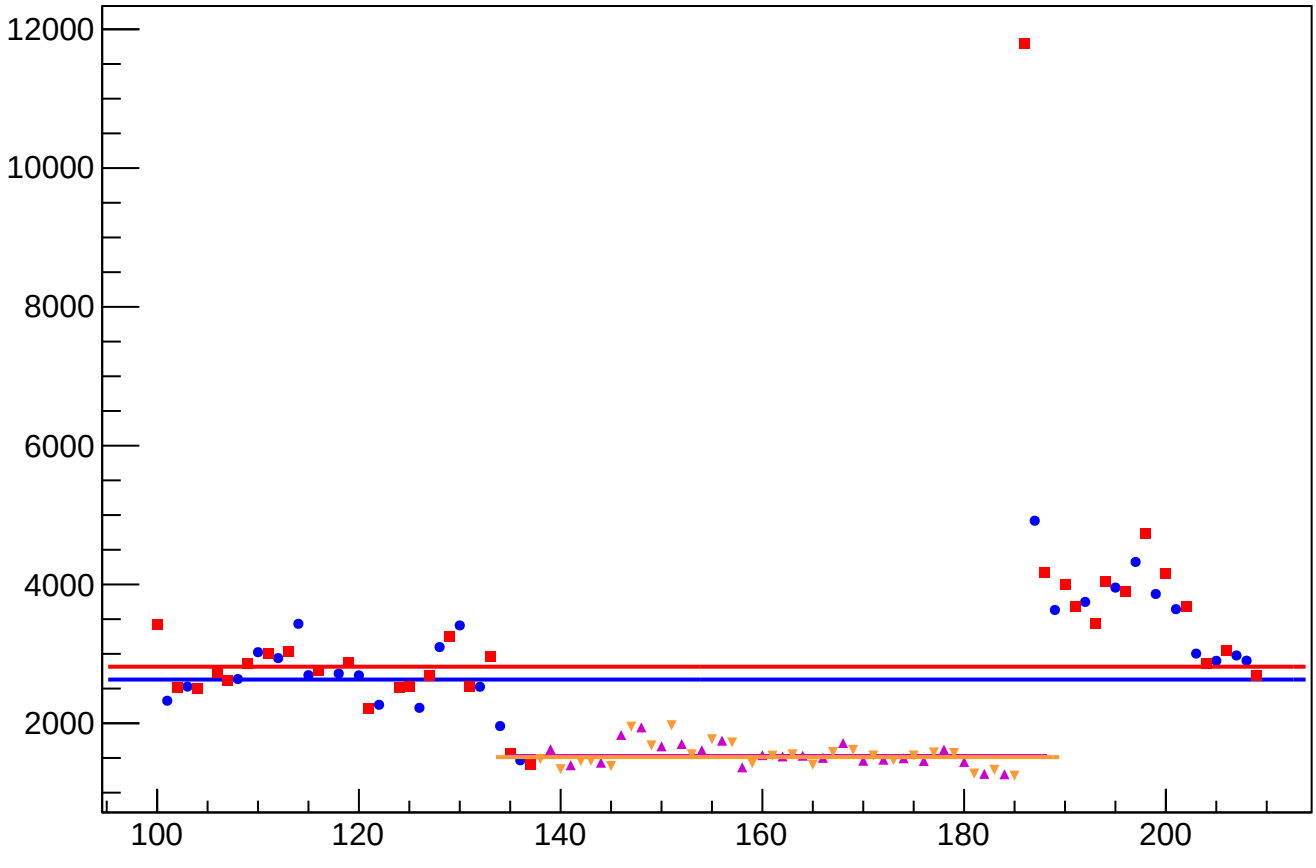
Left: -392.433+/-249.357 χ^2/NDF: 74.6/47

Right: -523.185+/-495.421 χ^2/NDF: 64.0/58

In: -470.178+/-318.803 χ^2/NDF:68.7/49

Out: -369.926+/-311.319 χ^2/NDF:69.9/56

All: -418.861+/-222.735 χ^2/NDF: 138.7/106



Right In: 2629.854+/-0.489 χ^2/NDF: 2553918.4/26

Left Out: 1512.365+/-0.245 χ^2/NDF:442559.1/24

Right Out: 2815.197+/-0.502 χ^2/NDF: 2905770.3/31

Left In: 1527.964+/-0.254 χ^2/NDF:373845.3/22

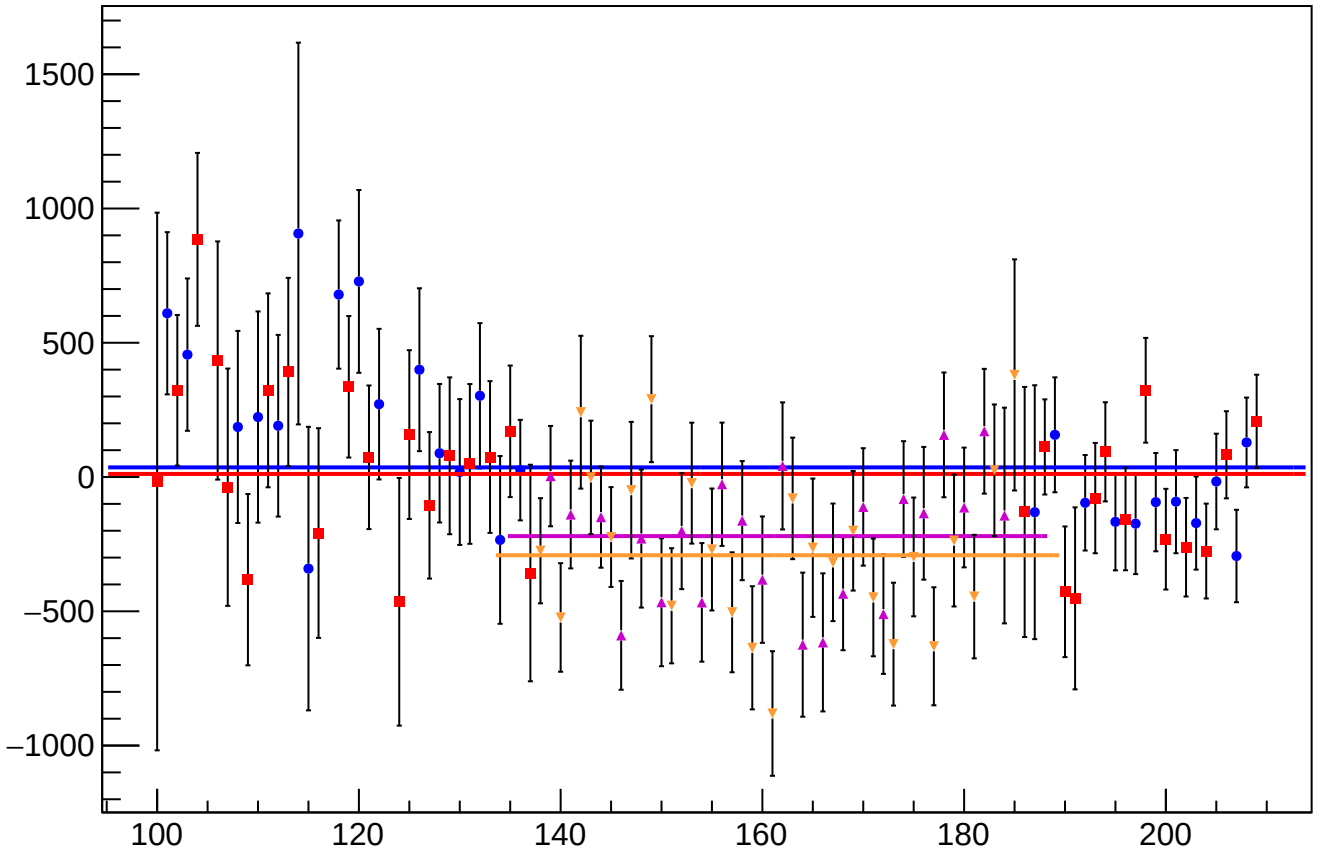
Left: 1519.880+/-0.176 χ^2/NDF: 818358.6/47

Right: 2720.055+/-0.350 χ^2/NDF: 5529619.3/58

In: 1762.186+/-0.225 χ^2/NDF:6926896.2/49

Out: 1762.738+/-0.220 χ^2/NDF:8785988.9/56

All: 1762.469+/-0.157 χ^2/NDF: 15712888.2/



Right In: 35.954+/-45.336 χ^2/NDF: 31.9/26

Left Out: -291.316+/-45.614 χ^2/NDF:36.4/24

Right Out: 11.515+/-44.236 χ^2/NDF: 34.9/31

Left In: -219.983+/-47.146 χ^2/NDF:23.7/22

Left: -256.827+/-32.782 χ^2/NDF: 61.3/47

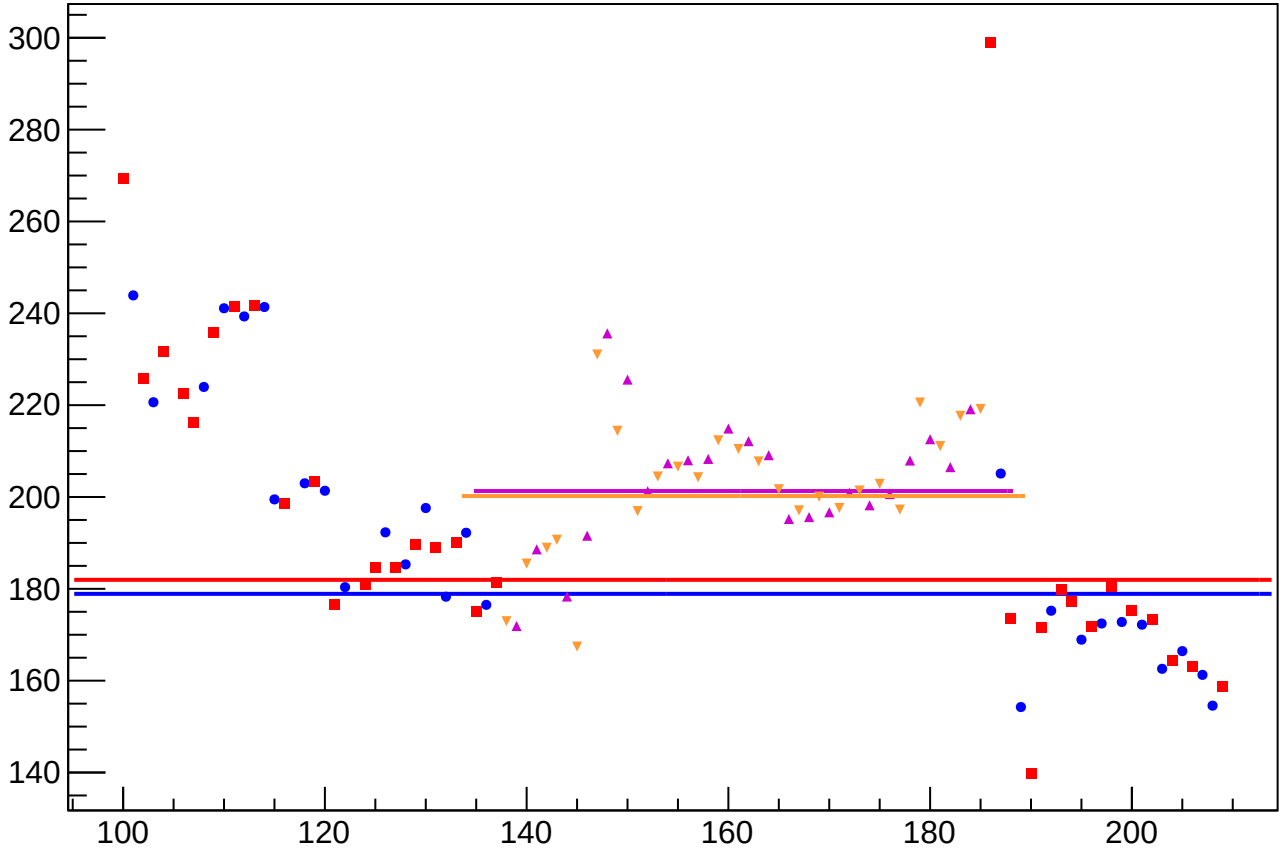
Right: 23.434+/-31.661 χ^2/NDF: 67.0/58

In: -87.009+/-32.679 χ^2/NDF:70.9/49

Out: -135.256+/-31.755 χ^2/NDF:94.0/56

All: -111.824+/-22.774 χ^2/NDF: 166.1/106

eigen_cor_asym_sam_26_dd_rms vs Slug, Sign Corrected



Right In: 178.908+/-0.032 χ^2/NDF: 480018.2/26

Left Out: 200.210+/-0.032 χ^2/NDF:204394.0/24

Right Out: 181.962+/-0.031 χ^2/NDF: 623493.0/31

Left In: 201.297+/-0.033 χ^2/NDF:181646.8/22

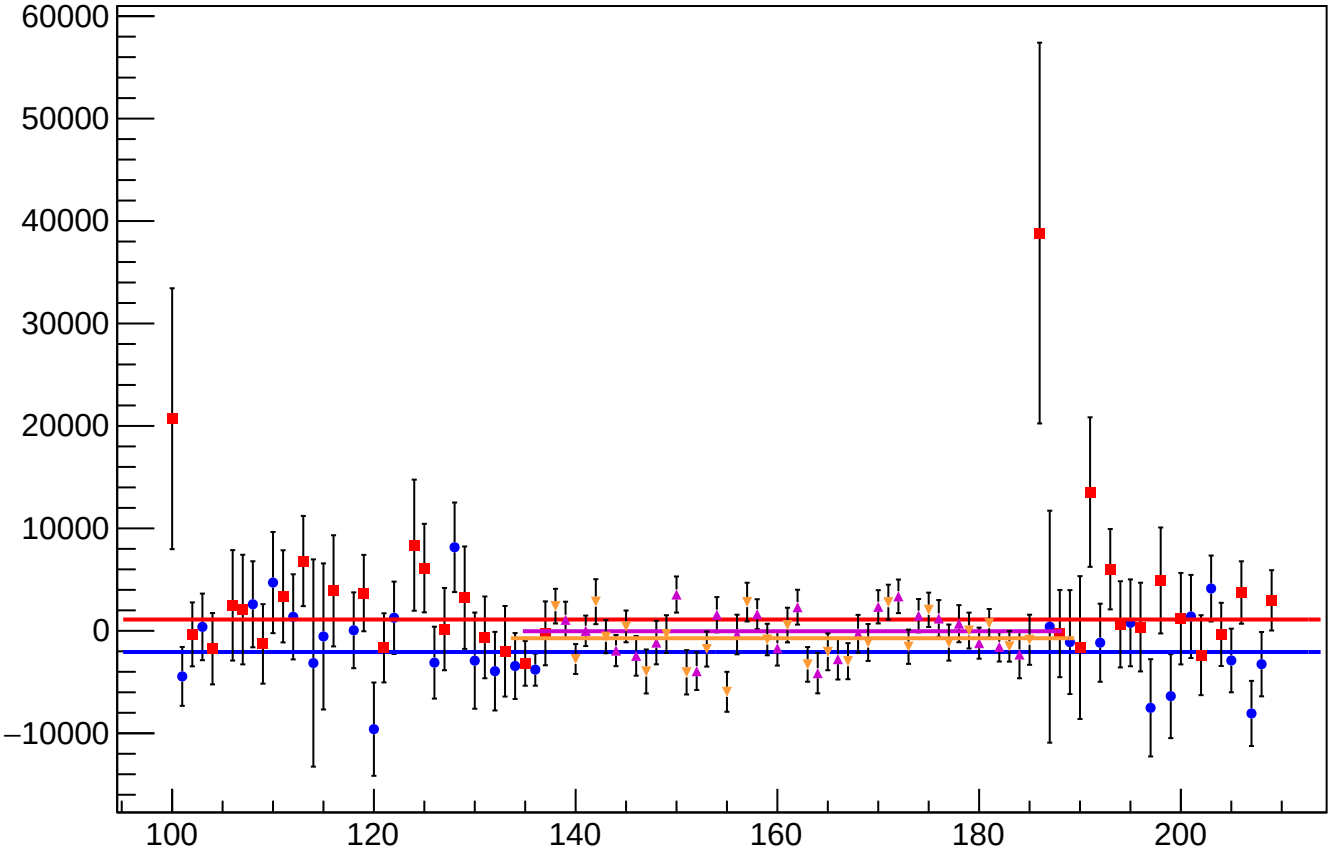
Left: 200.736+/-0.023 χ^2/NDF: 386590.4/47

Right: 180.473+/-0.022 χ^2/NDF: 1108162.1/58

In: 189.665+/-0.023 χ^2/NDF:896018.3/49

Out: 190.806+/-0.022 χ^2/NDF:992831.4/56

All: 190.252+/-0.016 χ^2/NDF: 1890105.0/106



Right In: -2066.441+/-691.477 χ^2/NDF: 27.5/26

Left Out: -720.705+/-346.376 χ^2/NDF:38.3/24

Right Out: 1104.589+/-710.159 χ^2/NDF: 26.3/31

Left In: -39.275+/-359.265 χ^2/NDF:34.4/22

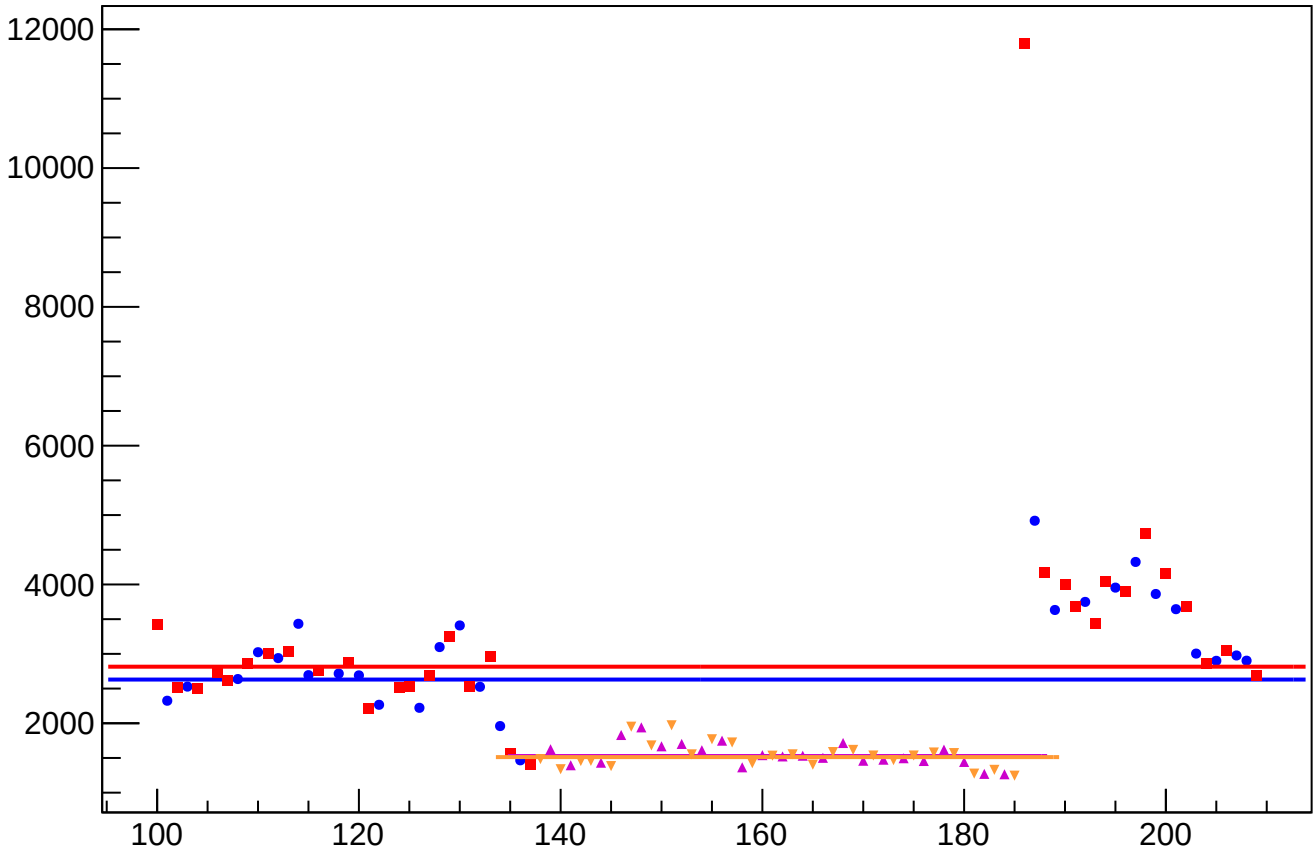
Left: -392.433+/-249.357 χ^2/NDF: 74.6/47

Right: -523.185+/-495.421 χ^2/NDF: 64.0/58

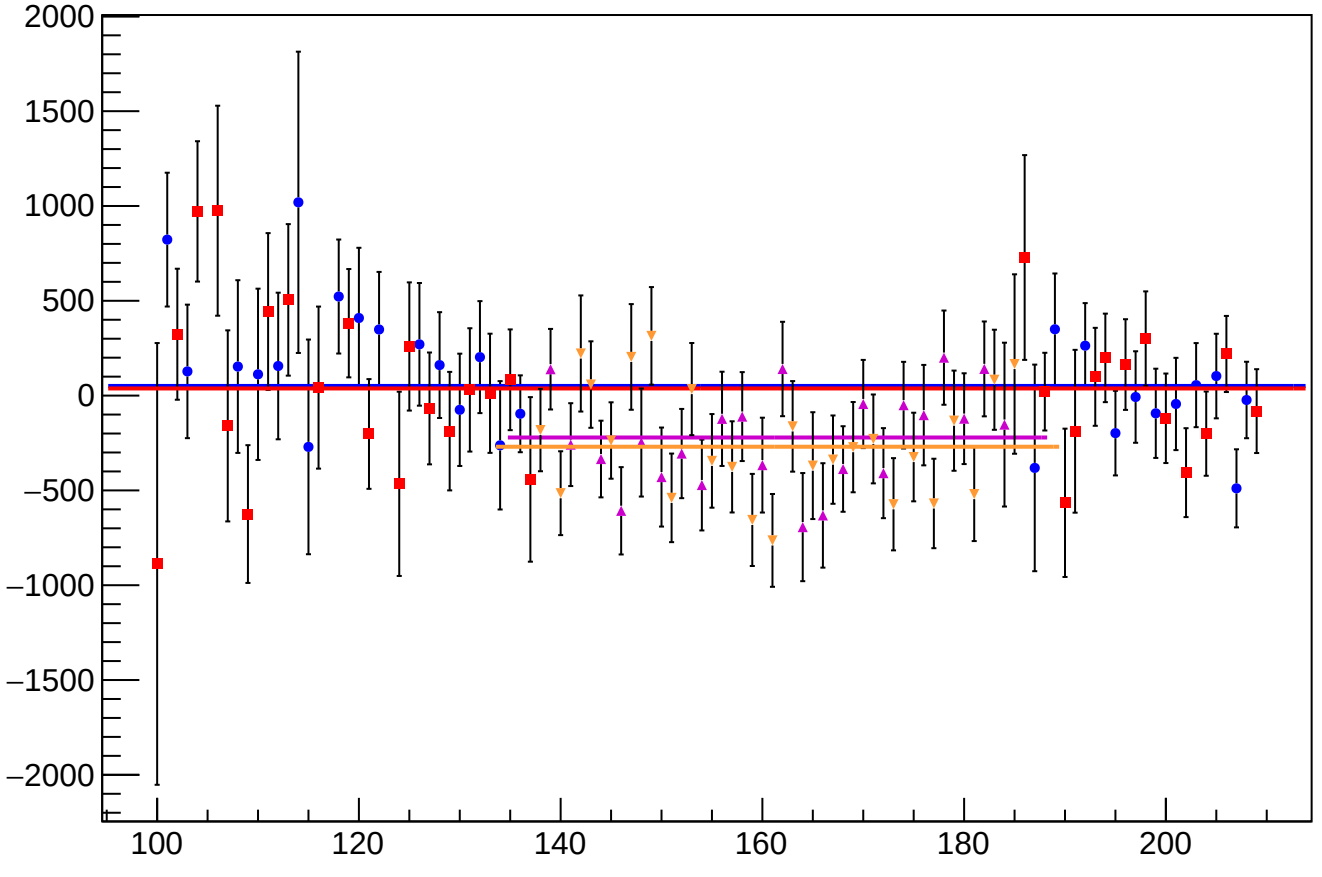
In: -470.178+/-318.803 χ^2/NDF:68.7/49

Out: -369.926+/-311.319 χ^2/NDF:69.9/56

All: -418.861+/-222.735 χ^2/NDF: 138.7/106


asym_sam_26_dd_eigen_cor_correction_rms vs Slug, Sign Corrected
12000
10000
8000
6000
4000
2000
100
120
140
160
180
200
Right In: 2629.854+/-0.489 χ²/NDF: 2553918.4/26
Left Out: 1512.365+/-0.245 χ²/NDF:442559.1/24
Right Out: 2815.197+/-0.502 χ²/NDF: 2905770.3/31
Left In: 1527.964+/-0.254 χ²/NDF:373845.3/22
Left: 1519.880+/-0.176 χ²/NDF: 818358.6/47
Right: 2720.055+/-0.350 χ²/NDF: 5529619.3/58
In: 1762.186+/-0.225 χ²/NDF:6926896.2/49
Out: 1762.738+/-0.220 χ²/NDF:8785988.9/56
All: 1762.469+/-0.157 χ²/NDF: 15712888.2/

dit_asym_sam_26_dd_mean vs Slug, Sign Corrected



Right In: 50.885+/-54.206 χ^2/NDF: 25.0/26

Left Out: -269.678+/-49.158 χ^2/NDF:31.5/24

Right Out: 37.637+/-53.104 χ^2/NDF: 34.4/31

Left In: -220.926+/-50.956 χ^2/NDF:23.4/22

Left: -246.177+/-35.378 χ^2/NDF: 55.3/47

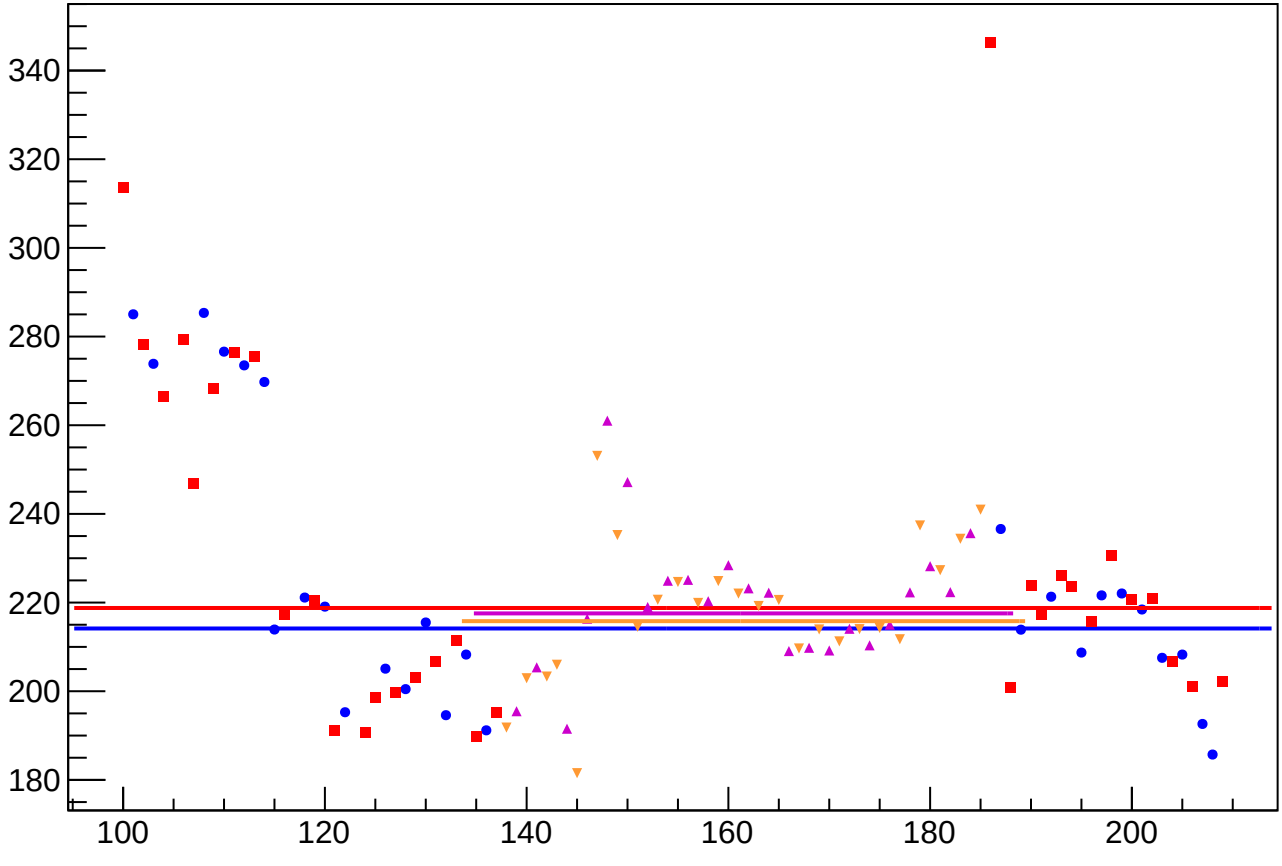
Right: 44.125+/-37.934 χ^2/NDF: 59.5/58

In: -93.413+/-37.127 χ^2/NDF:61.8/49

Out: -127.861+/-36.074 χ^2/NDF:83.9/56

All: -111.132+/-25.872 χ^2/NDF: 146.1/106

dit_asym_sam_26_dd_rms vs Slug, Sign Corrected



Right In: 214.153+/-0.038 χ^2/NDF: 409037.0/26

Left Out: 215.807+/-0.035 χ^2/NDF:188699.2/24

Right Out: 218.778+/-0.038 χ^2/NDF: 499083.5/31

Left In: 217.555+/-0.036 χ^2/NDF:161066.4/22

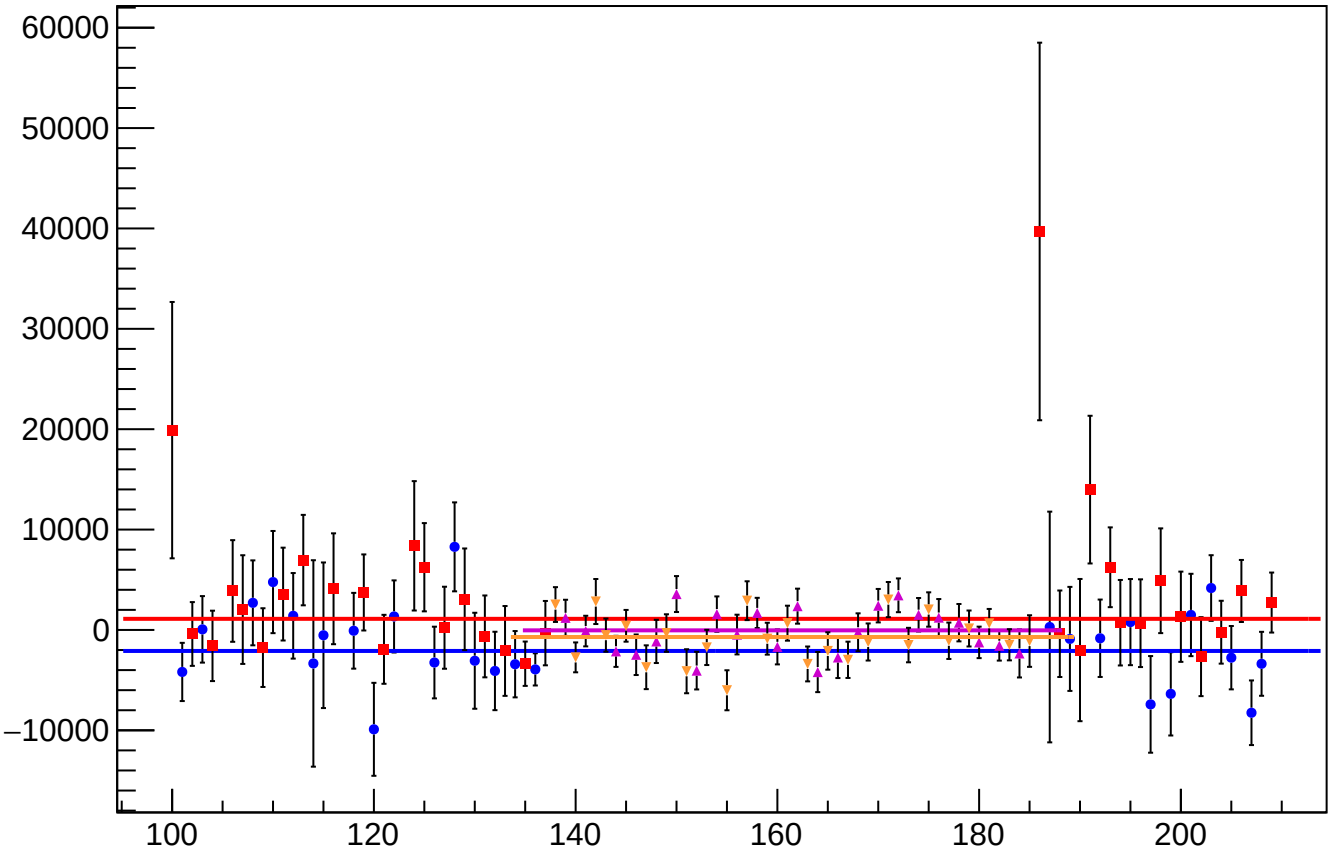
Left: 216.649+/-0.025 χ^2/NDF: 350985.0/47

Right: 216.513+/-0.027 χ^2/NDF: 915550.1/58

In: 215.959+/-0.026 χ^2/NDF:574285.7/49

Out: 217.178+/-0.026 χ^2/NDF:691154.4/56

All: 216.586+/-0.018 χ^2/NDF: 1266549.0/106



Right In: -2092.805+/-704.053 χ^2/NDF: 27.4/26

Left Out: -704.012+/-355.462 χ^2/NDF:37.6/24

Right Out: 1106.967+/-719.753 χ^2/NDF: 27.2/31

Left In: -39.658+/-368.873 χ^2/NDF:34.3/22

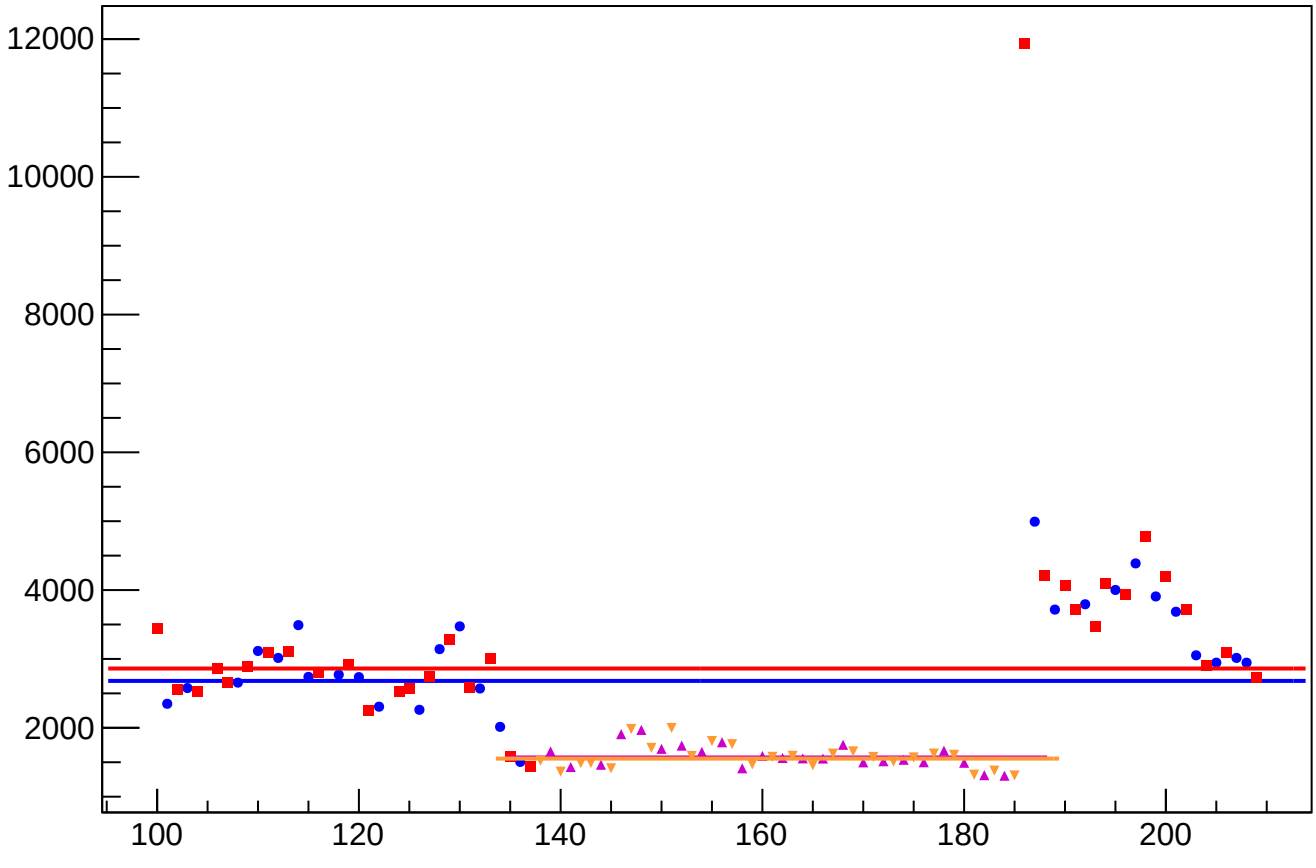
Left: -384.132+/-255.960 χ^2/NDF: 73.6/47

Right: -528.197+/-503.300 χ^2/NDF: 64.7/58

In: -481.863+/-326.744 χ^2/NDF:68.4/49

Out: -348.916+/-318.713 χ^2/NDF:69.9/56

All: -413.736+/-228.150 χ^2/NDF: 138.4/106



Right In: 2681.036+/-0.498 χ^2/NDF: 2491773.9/26

Left Out: 1553.019+/-0.251 χ^2/NDF:409933.8/24

Right Out: 2860.840+/-0.509 χ^2/NDF: 2864211.4/31

Left In: 1569.383+/-0.261 χ^2/NDF:357481.9/22

Left: 1560.898+/-0.181 χ^2/NDF: 769456.5/47

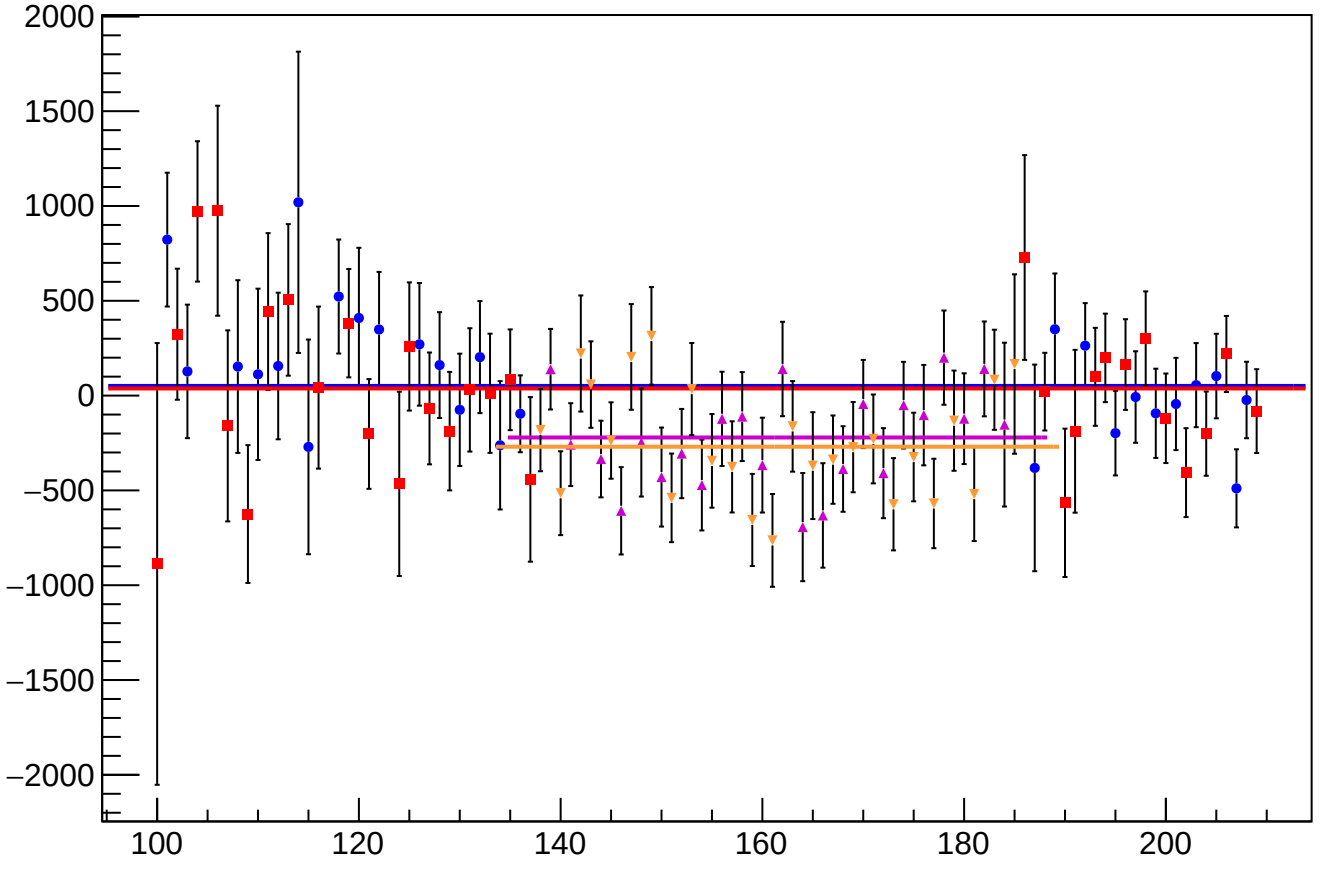
Right: 2768.956+/-0.356 χ^2/NDF: 5419768.2/58

In: 1808.810+/-0.231 χ^2/NDF:6761420.8/49

Out: 1809.456+/-0.225 χ^2/NDF:8582652.4/56

All: 1809.141+/-0.161 χ^2/NDF: 15344077.2/1

eigen_dit_asym_sam_26_dd_mean vs Slug, Sign Corrected



Right In: 50.888+/-54.206 χ^2/NDF: 25.0/26

Left Out: -269.680+/-49.158 χ^2/NDF:31.5/24

Right Out: 37.637+/-53.103 χ^2/NDF: 34.4/31

Left In: -220.927+/-50.956 χ^2/NDF:23.4/22

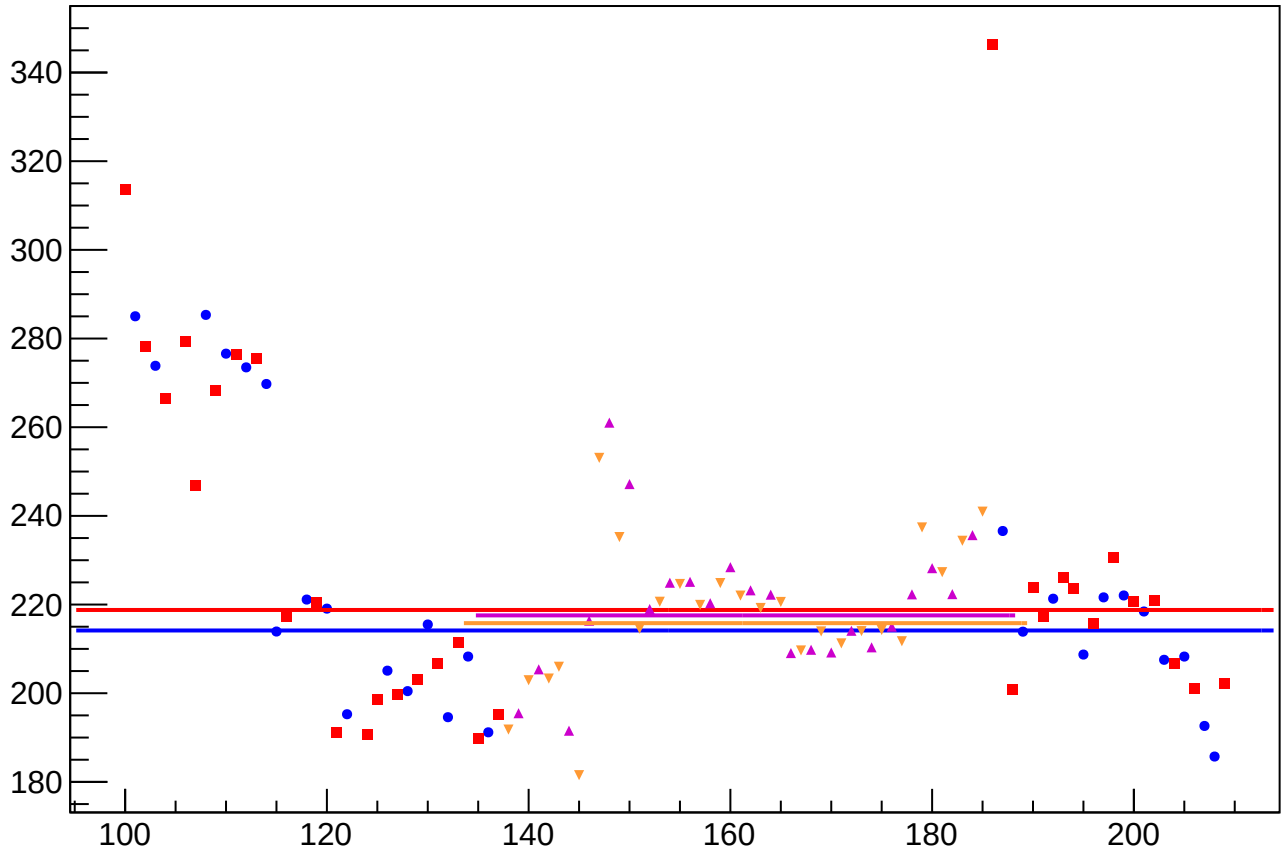
Left: -246.179+/-35.378 χ^2/NDF: 55.3/47

Right: 44.127+/-37.933 χ^2/NDF: 59.5/58

In: -93.412+/-37.127 χ^2/NDF:61.8/49

Out: -127.862+/-36.074 χ^2/NDF:83.9/56

All: -111.132+/-25.872 χ^2/NDF: 146.1/106



Right In: 214.152+/-0.038 χ^2/NDF: 409026.4/26

Left Out: 215.806+/-0.035 χ^2/NDF:188703.4/24

Right Out: 218.777+/-0.038 χ^2/NDF: 499065.7/31

Left In: 217.555+/-0.036 χ^2/NDF:161069.0/22

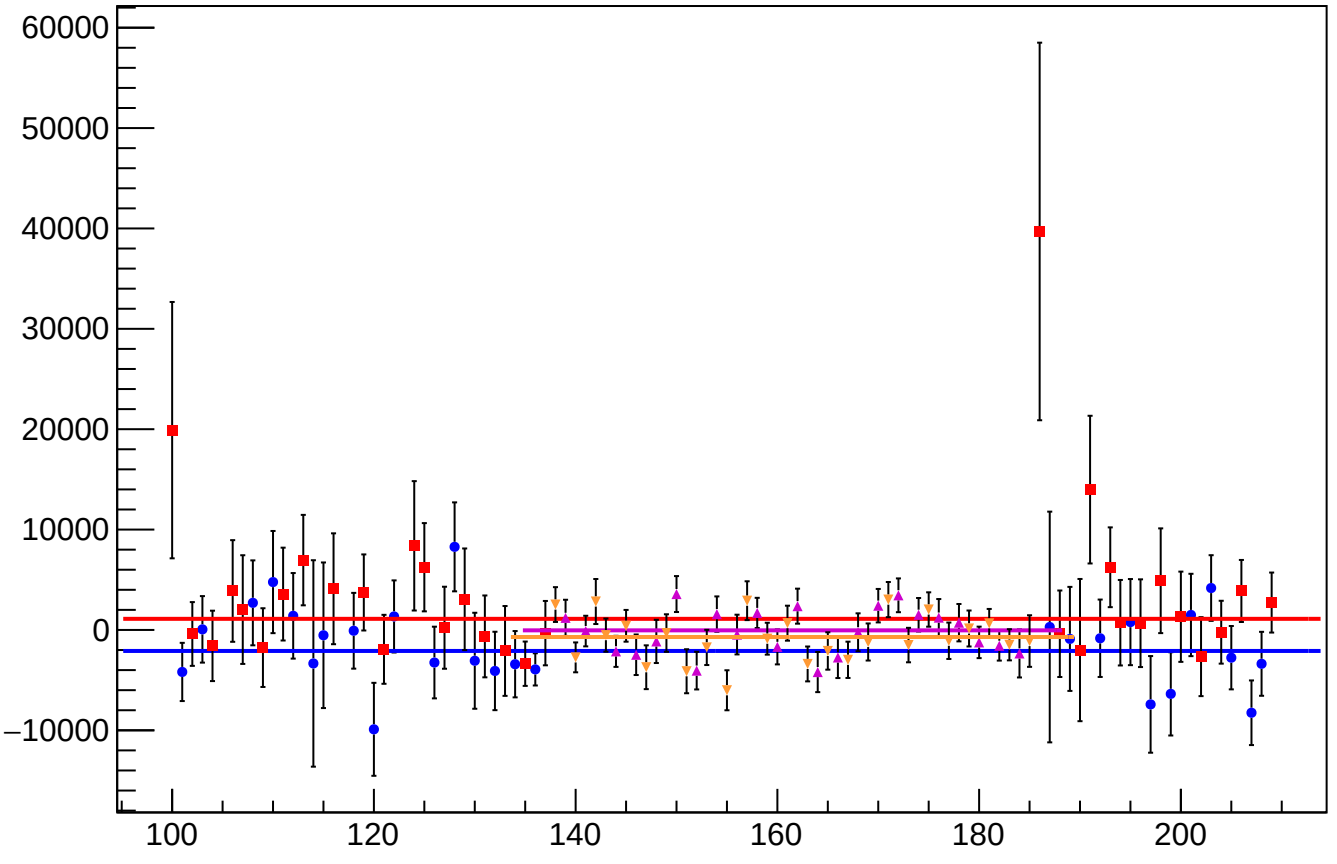
Left: 216.649+/-0.025 χ^2/NDF: 350991.6/47

Right: 216.512+/-0.027 χ^2/NDF: 915522.2/58

In: 215.958+/-0.026 χ^2/NDF:574278.3/49

Out: 217.177+/-0.026 χ^2/NDF:691140.3/56

All: 216.585+/-0.018 χ^2/NDF: 1266527.7/106



Right In: -2092.801+/-704.053 χ^2/NDF: 27.4/26

Left Out: -704.012+/-355.462 χ^2/NDF:37.6/24

Right Out: 1106.968+/-719.753 χ^2/NDF: 27.2/31

Left In: -39.657+/-368.873 χ^2/NDF:34.3/22

Left: -384.131+/-255.960 χ^2/NDF: 73.6/47

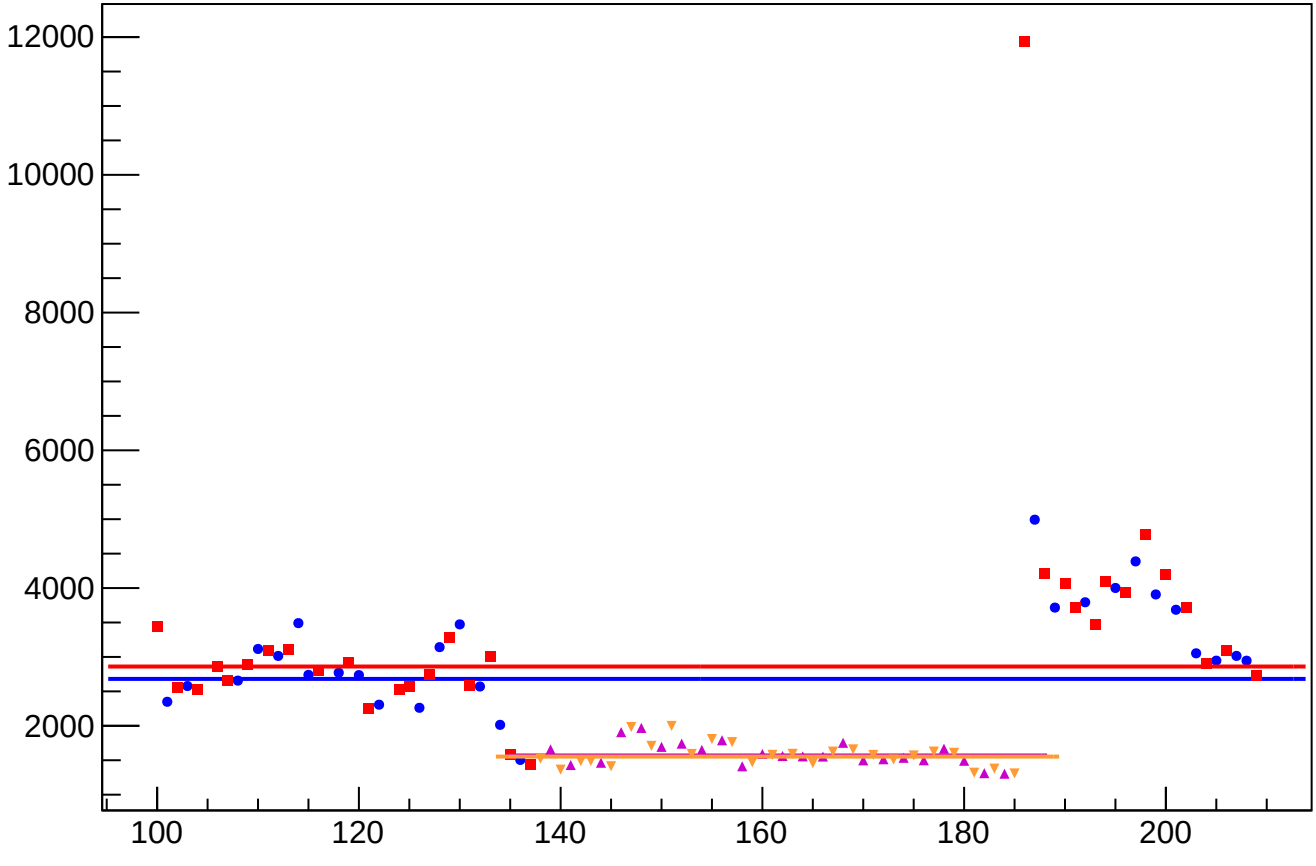
Right: -528.195+/-503.299 χ^2/NDF: 64.7/58

In: -481.862+/-326.744 χ^2/NDF:68.4/49

Out: -348.916+/-318.713 χ^2/NDF:69.9/56

All: -413.735+/-228.150 χ^2/NDF: 138.4/106

asym_sam_26_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 2681.034+/-0.498 χ^2/NDF: 2491771.2/26

Left Out: 1553.020+/-0.251 χ^2/NDF:409936.6/24

Right Out: 2860.837+/-0.509 χ^2/NDF: 2864214.1/31

Left In: 1569.383+/-0.261 χ^2/NDF:357484.6/22

Left: 1560.899+/-0.181 χ^2/NDF: 769461.9/47

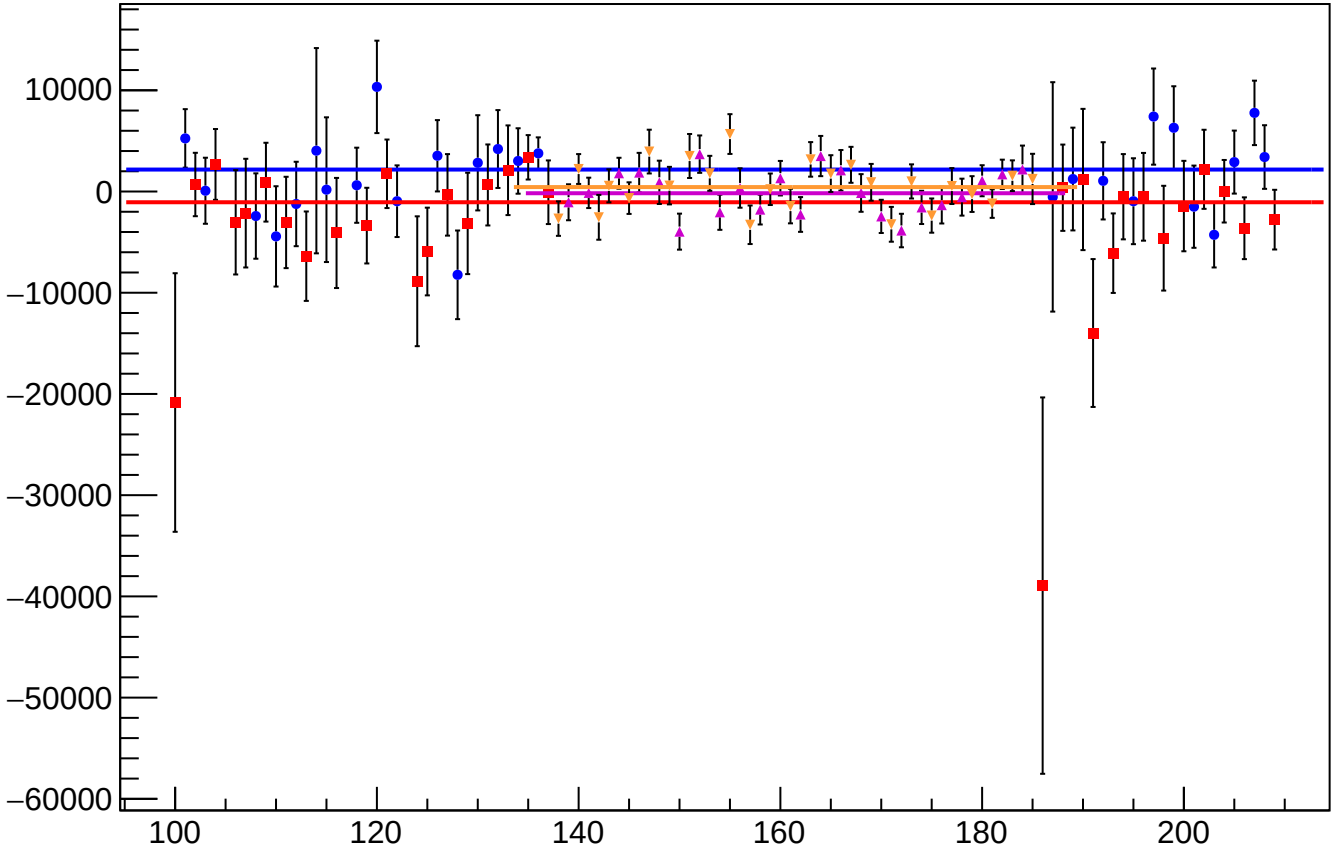
Right: 2768.953+/-0.356 χ^2/NDF: 5419767.9/58

In: 1808.810+/-0.231 χ^2/NDF:6761410.1/49

Out: 1809.456+/-0.225 χ^2/NDF:8582639.8/56

All: 1809.141+/-0.161 χ^2/NDF: 15344053.9/1

asym_sam_26_dd_mean vs Slug, Sign Corrected



Right In: 2169.307+/-693.978 χ^2/NDF: 27.7/26

Left Out: 437.522+/-349.581 χ^2/NDF:38.9/24

Right Out: -1060.824+/-711.676 χ^2/NDF: 26.7/31

Left In: -169.827+/-362.550 χ^2/NDF:33.0/22

Left: 144.904+/-251.651 χ^2/NDF: 73.3/47

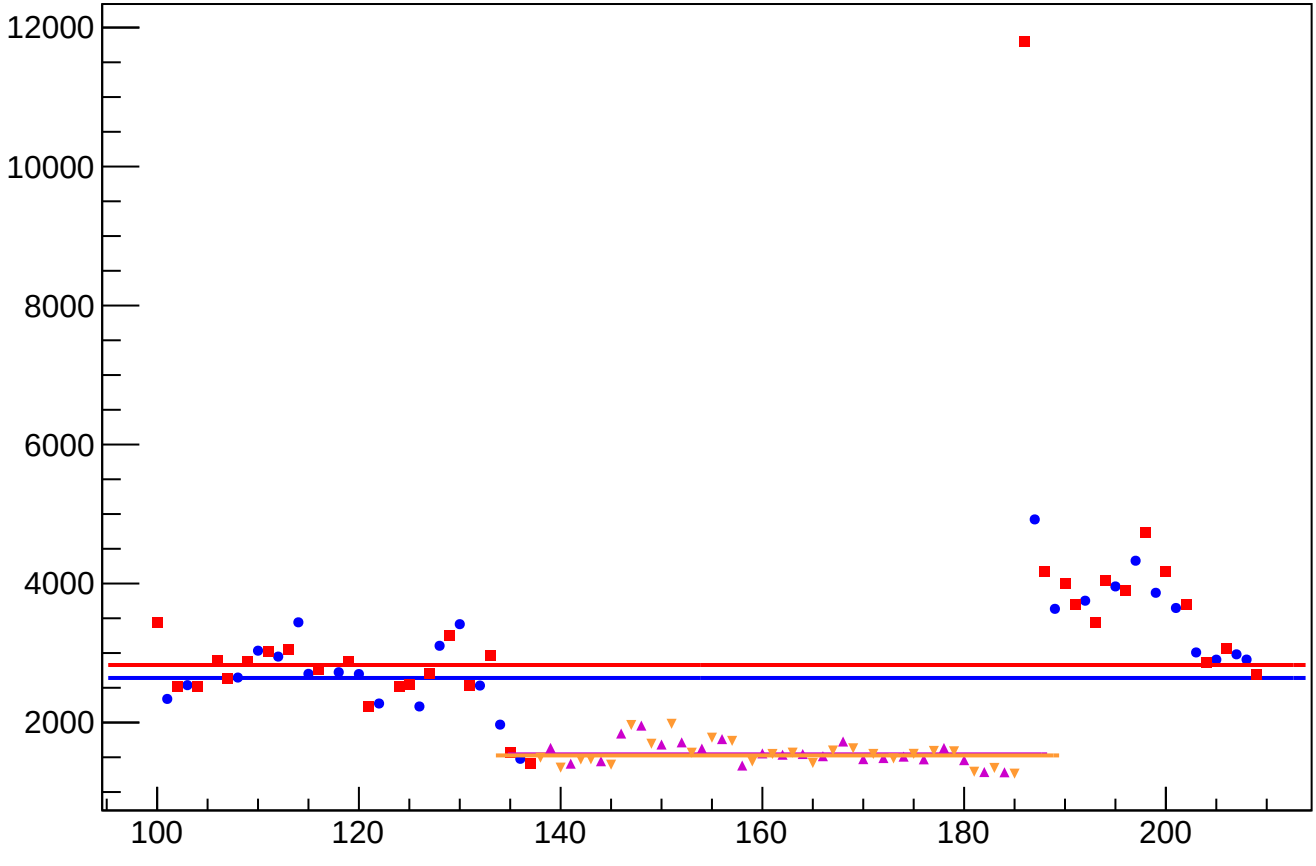
Right: 594.904+/-496.856 χ^2/NDF: 64.9/58

In: 331.702+/-321.341 χ^2/NDF:69.6/49

Out: 146.268+/-313.771 χ^2/NDF:69.1/56

All: 236.775+/-224.498 χ^2/NDF: 138.9/106

asym_sam_26_dd_rms vs Slug, Sign Corrected



Right In: 2641.195+/-0.491 χ^2/NDF: 2515662.1/26

Left Out: 1526.726+/-0.247 χ^2/NDF:429467.0/24

Right Out: 2827.890+/-0.503 χ^2/NDF: 2874037.8/31

Left In: 1542.262+/-0.256 χ^2/NDF:362291.1/22

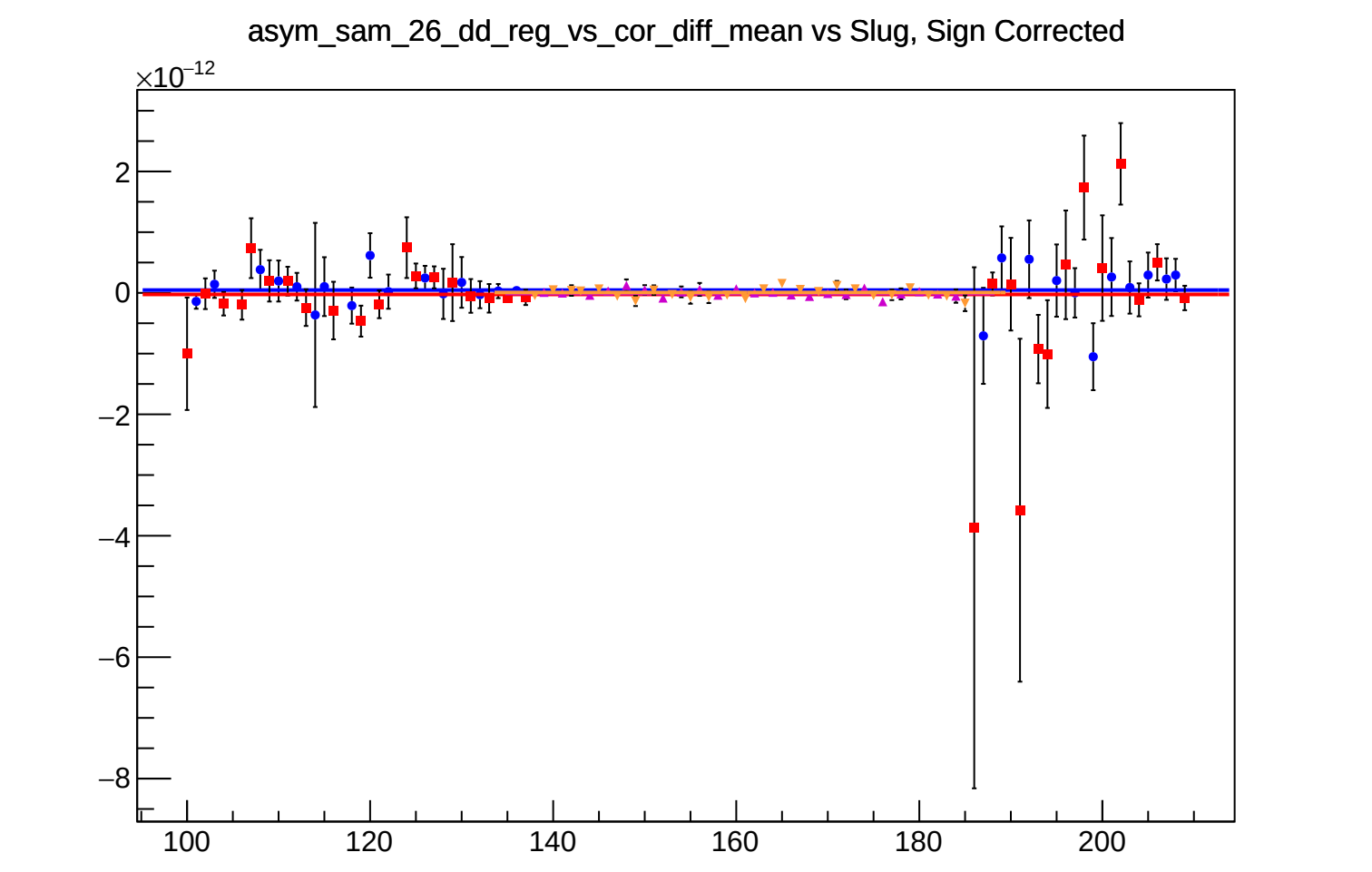
Left: 1534.211+/-0.178 χ^2/NDF: 793661.4/47

Right: 2732.192+/-0.351 χ^2/NDF: 5460250.2/58

In: 1777.882+/-0.227 χ^2/NDF:6817783.3/49

Out: 1779.651+/-0.222 χ^2/NDF:8689395.1/56

All: 1778.788+/-0.159 χ^2/NDF: 15507209.3/1



Right In: 0.000+/-0.000 χ^2/NDF: 16.8/26

Left Out: 0.000+/-0.000 χ^2/NDF:30.8/24

Right Out: -0.000+/-0.000 χ^2/NDF: 43.9/31

Left In: -0.000+/-0.000 χ^2/NDF:17.0/22

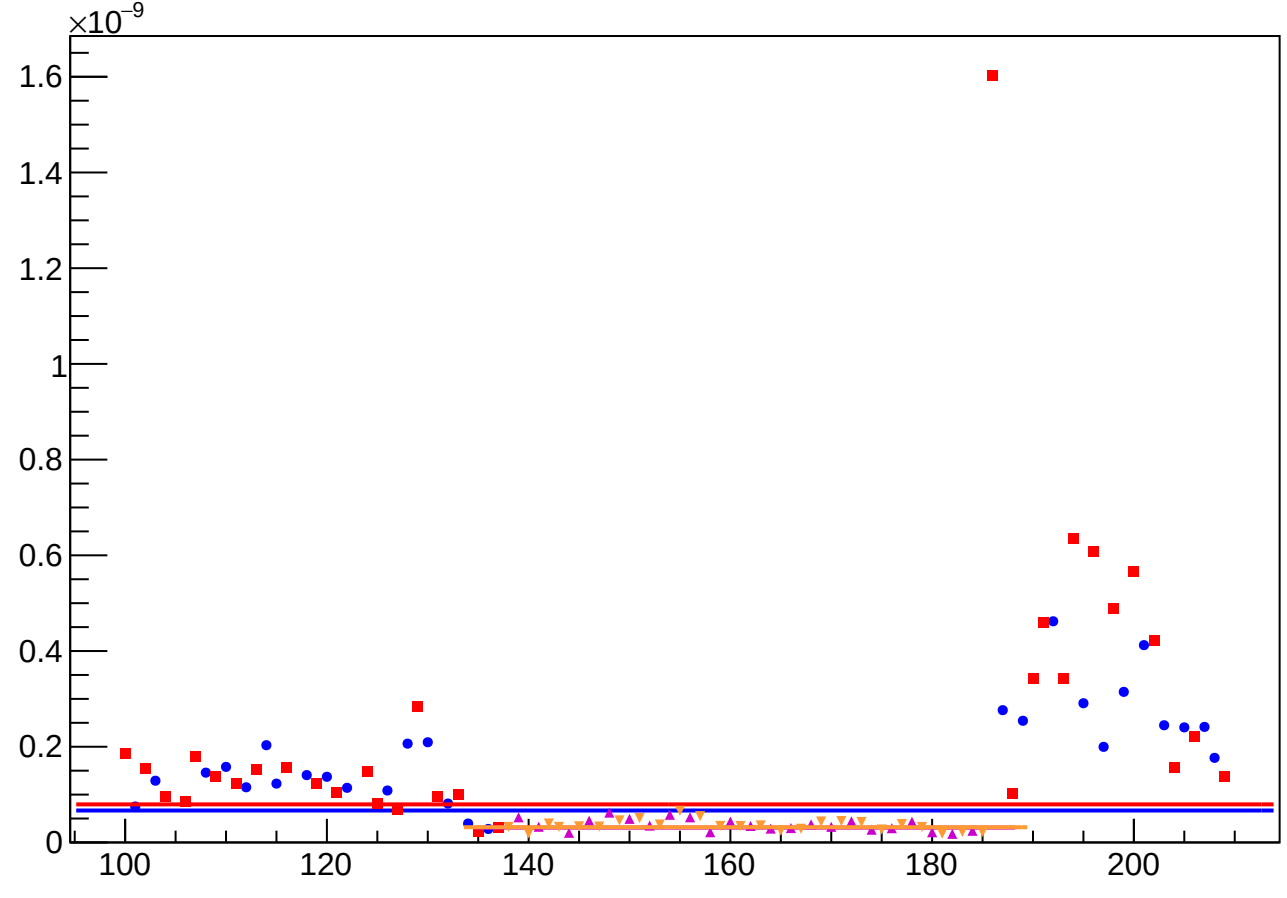
Left: -0.000+/-0.000 χ^2/NDF: 48.6/47

Right: 0.000+/-0.000 χ^2/NDF: 62.5/58

In: -0.000+/-0.000 χ^2/NDF:36.1/49

Out: 0.000+/-0.000 χ^2/NDF:75.3/56

All: 0.000+/-0.000 χ^2/NDF: 111.6/106



Right In: 0.000+/-0.000 χ^2/NDF: 7152168.4/26

Left Out: 0.000+/-0.000 χ^2/NDF:1231140.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 7608803.6/31

Left In: 0.000+/-0.000 χ^2/NDF:1593815.4/22

Left: 0.000+/-0.000 χ^2/NDF: 2829280.6/47

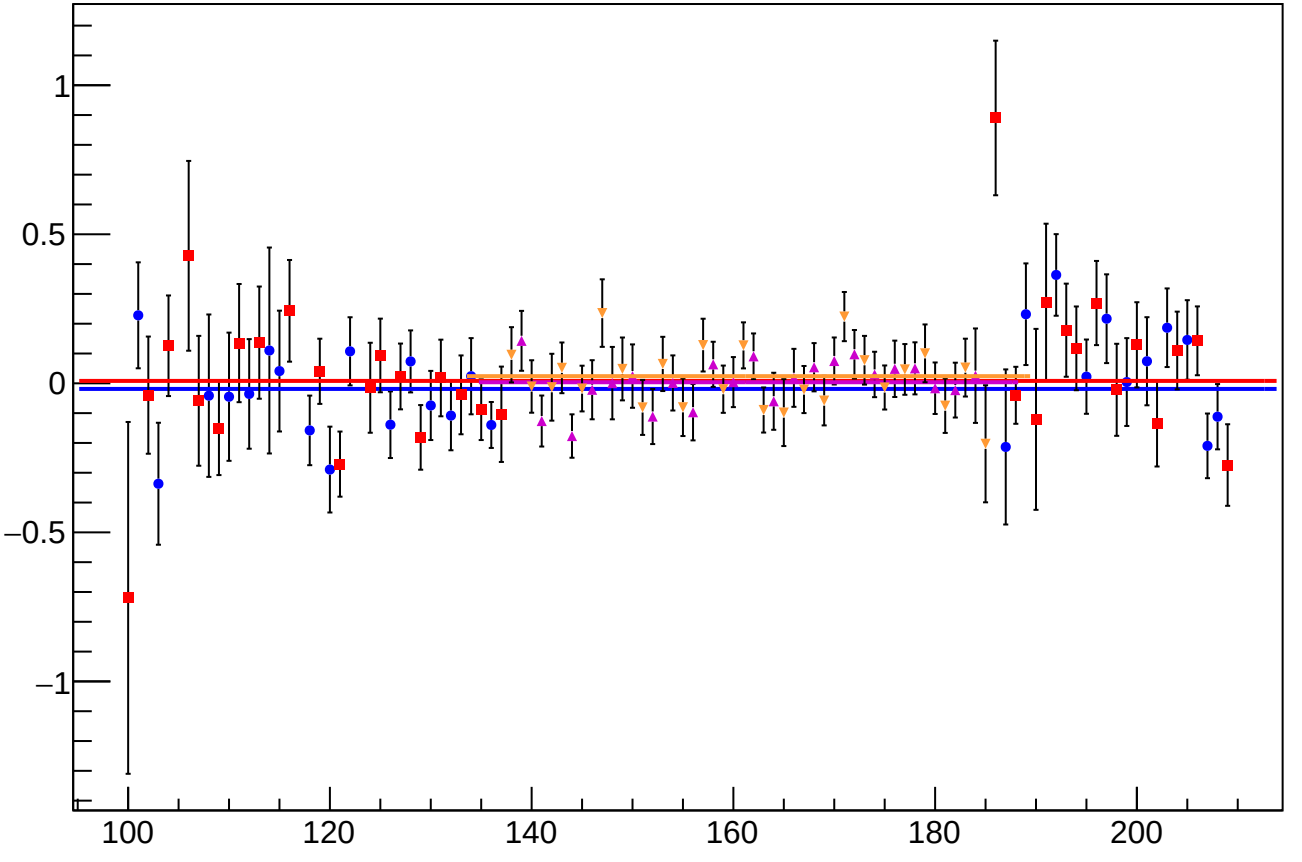
Right: 0.000+/-0.000 χ^2/NDF: 14876615.7/58

In: 0.000+/-0.000 χ^2/NDF:10587561.6/49

Out: 0.000+/-0.000 χ^2/NDF:11435591.2/56

All: 0.000+/-0.000 χ^2/NDF: 22027069.9/106

asym_sam_26_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.019+/-0.026 χ^2/NDF: 37.4/26

Left Out: 0.024+/-0.018 χ^2/NDF:25.5/24

Right Out: 0.008+/-0.025 χ^2/NDF: 45.6/31

Left In: 0.004+/-0.019 χ^2/NDF:18.9/22

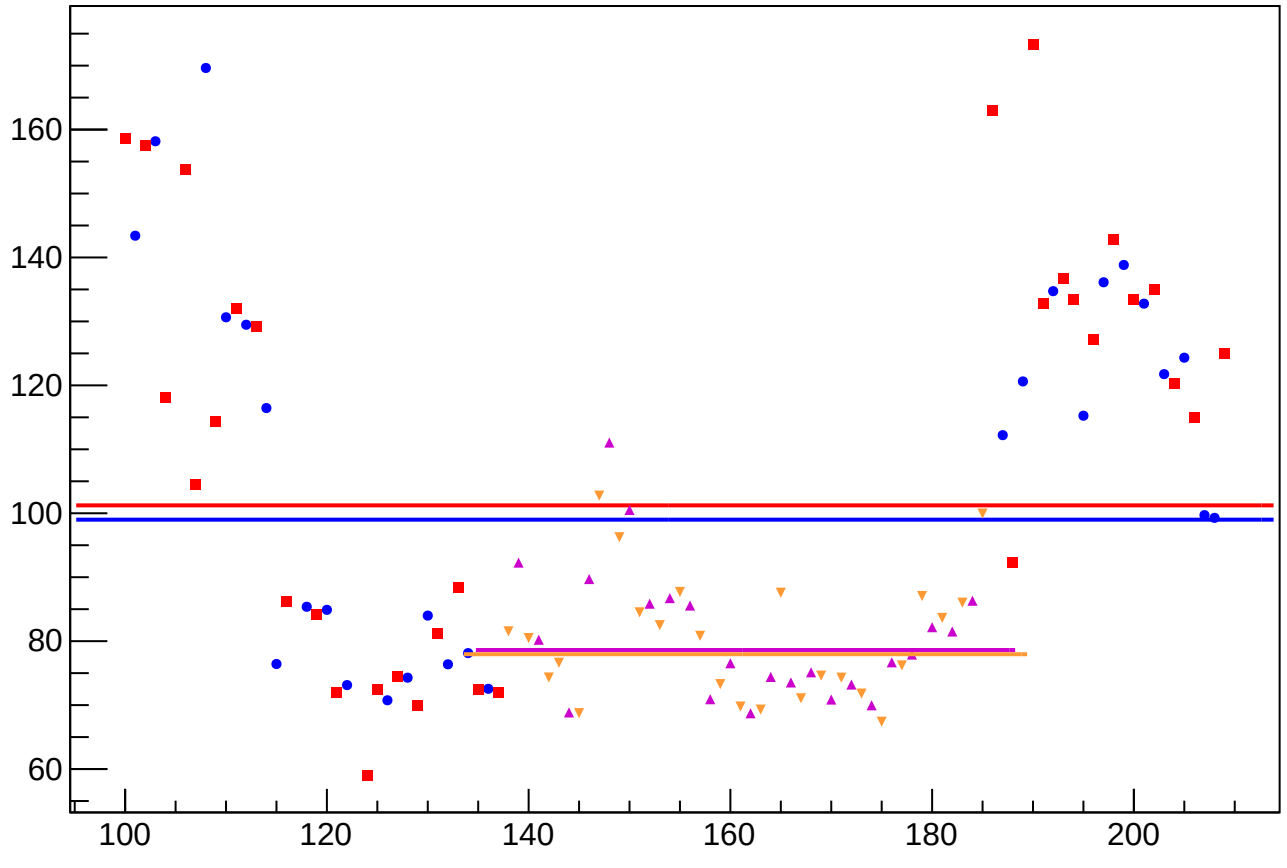
Left: 0.014+/-0.013 χ^2/NDF: 45.0/47

Right: -0.005+/-0.018 χ^2/NDF: 83.6/58

In: -0.004+/-0.015 χ^2/NDF:56.8/49

Out: 0.019+/-0.015 χ^2/NDF:71.4/56

All: 0.008+/-0.011 χ^2/NDF: 129.4/106



Right In: 98.999+/-0.018 χ^2/NDF: 2056633.2/26

Left Out: 77.957+/-0.013 χ^2/NDF:439703.9/24

Right Out: 101.235+/-0.018 χ^2/NDF: 2451453.5/31

Left In: 78.615+/-0.013 χ^2/NDF:497808.4/22

Left: 78.273+/-0.009 χ^2/NDF: 938817.0/47

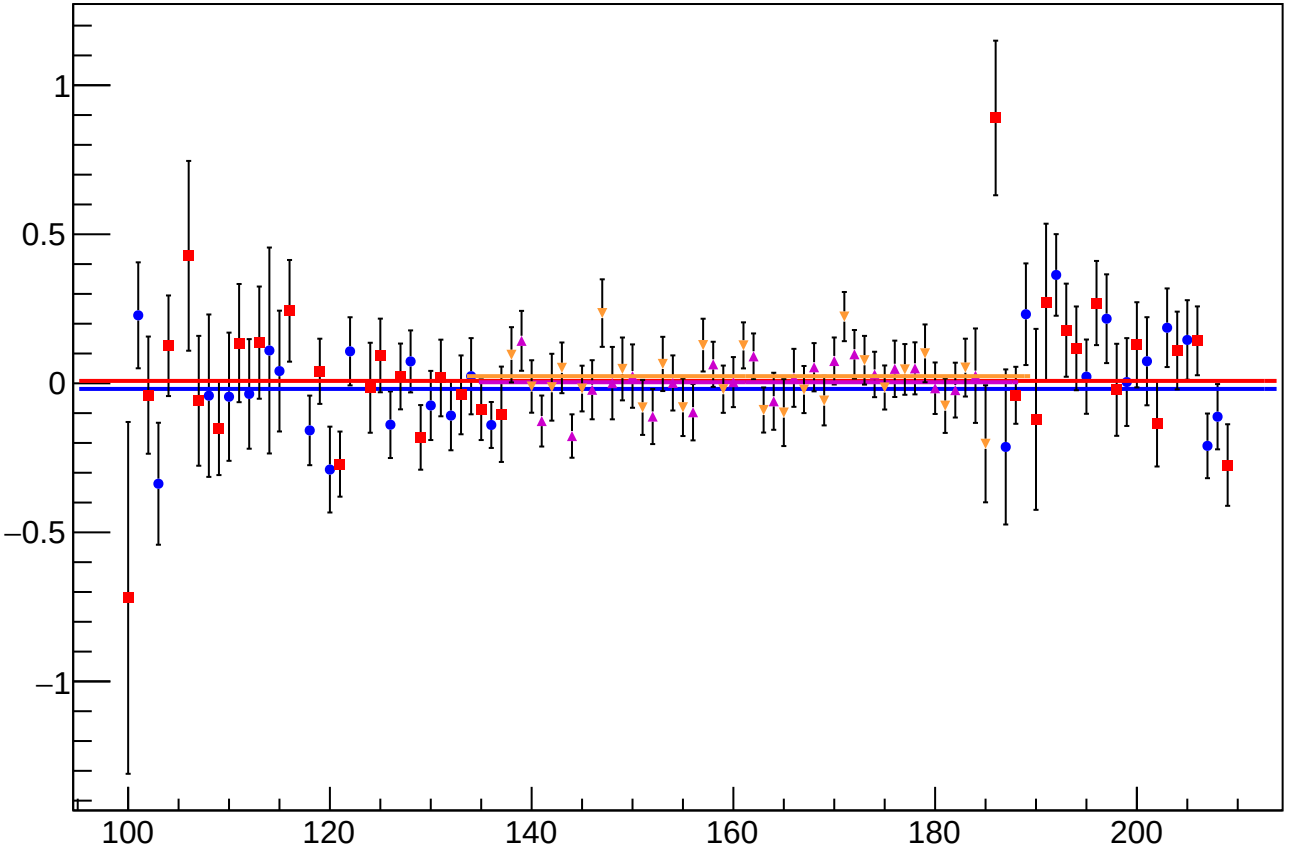
Right: 100.135+/-0.013 χ^2/NDF: 4515649.4/58

In: 85.523+/-0.011 χ^2/NDF:3371578.6/49

Out: 85.618+/-0.010 χ^2/NDF:4009681.1/56

All: 85.572+/-0.007 χ^2/NDF: 7381300.1/106

asym_sam_26_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.019+/-0.026 χ^2/NDF: 37.4/26

Left Out: 0.024+/-0.018 χ^2/NDF:25.5/24

Right Out: 0.008+/-0.025 χ^2/NDF: 45.6/31

Left In: 0.004+/-0.019 χ^2/NDF:18.9/22

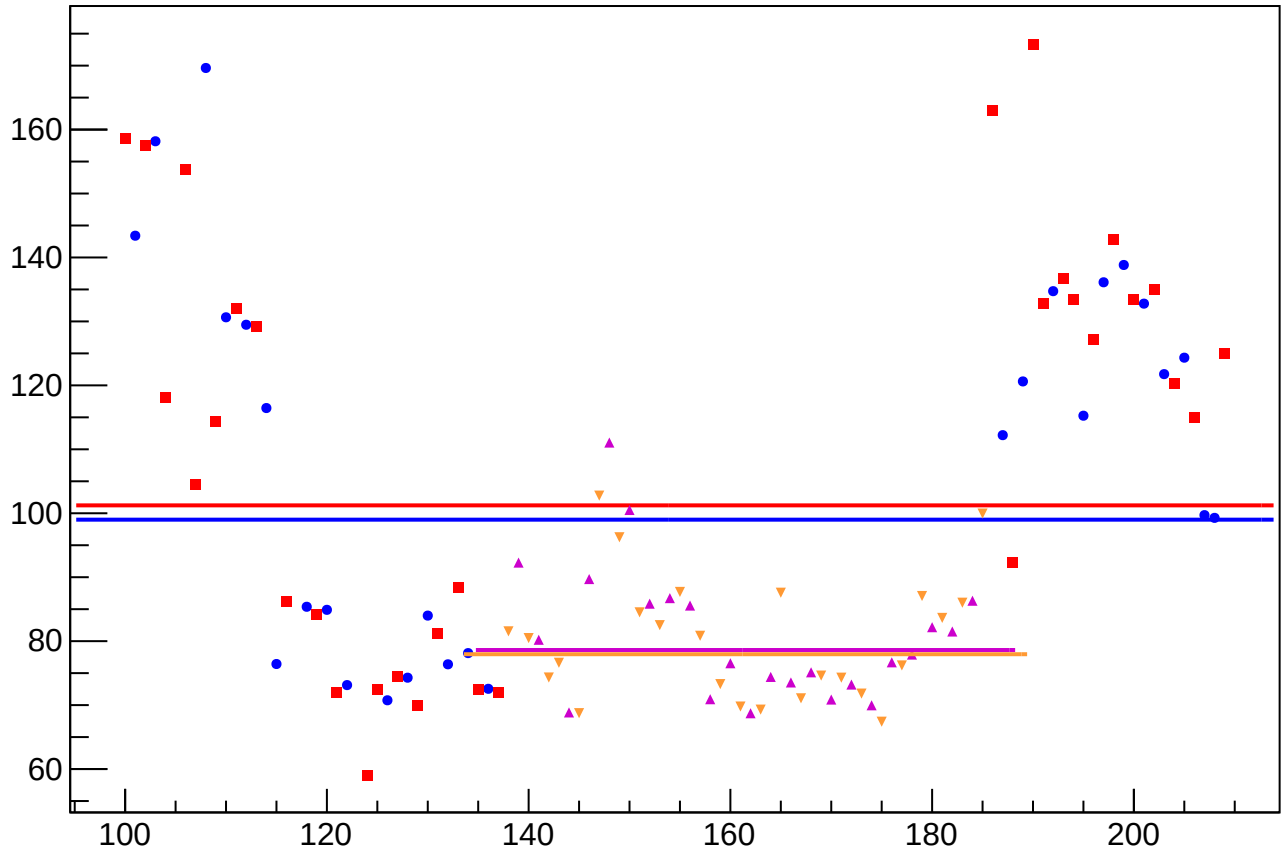
Left: 0.014+/-0.013 χ^2/NDF: 45.0/47

Right: -0.005+/-0.018 χ^2/NDF: 83.6/58

In: -0.004+/-0.015 χ^2/NDF:56.8/49

Out: 0.019+/-0.015 χ^2/NDF:71.4/56

All: 0.008+/-0.011 χ^2/NDF: 129.4/106



Right In: 98.999+/-0.018 χ^2/NDF: 2056633.2/26

Left Out: 77.957+/-0.013 χ^2/NDF:439703.9/24

Right Out: 101.235+/-0.018 χ^2/NDF: 2451453.5/31

Left In: 78.615+/-0.013 χ^2/NDF:497808.4/22

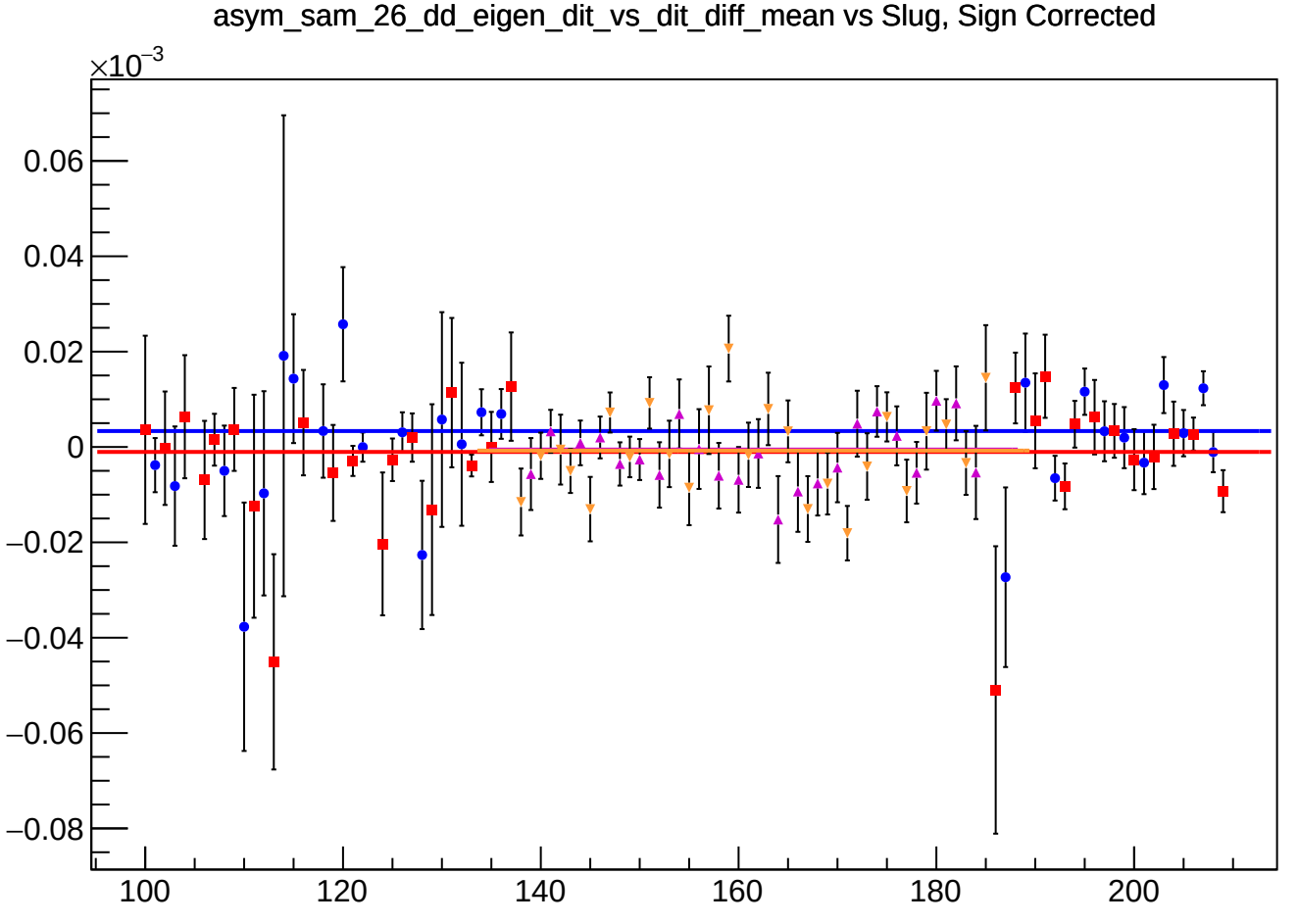
Left: 78.273+/-0.009 χ^2/NDF: 938817.0/47

Right: 100.135+/-0.013 χ^2/NDF: 4515649.4/58

In: 85.523+/-0.011 χ^2/NDF:3371578.6/49

Out: 85.618+/-0.010 χ^2/NDF:4009681.1/56

All: 85.572+/-0.007 χ^2/NDF: 7381300.1/106



Right In: 0.000+/-0.000 χ^2/NDF: 37.6/26

Left Out: -0.000+/-0.000 χ^2/NDF:47.6/24

Right Out: -0.000+/-0.000 χ^2/NDF: 32.1/31

Left In: -0.000+/-0.000 χ^2/NDF:18.6/22

Left: -0.000+/-0.000 χ^2/NDF: 66.2/47

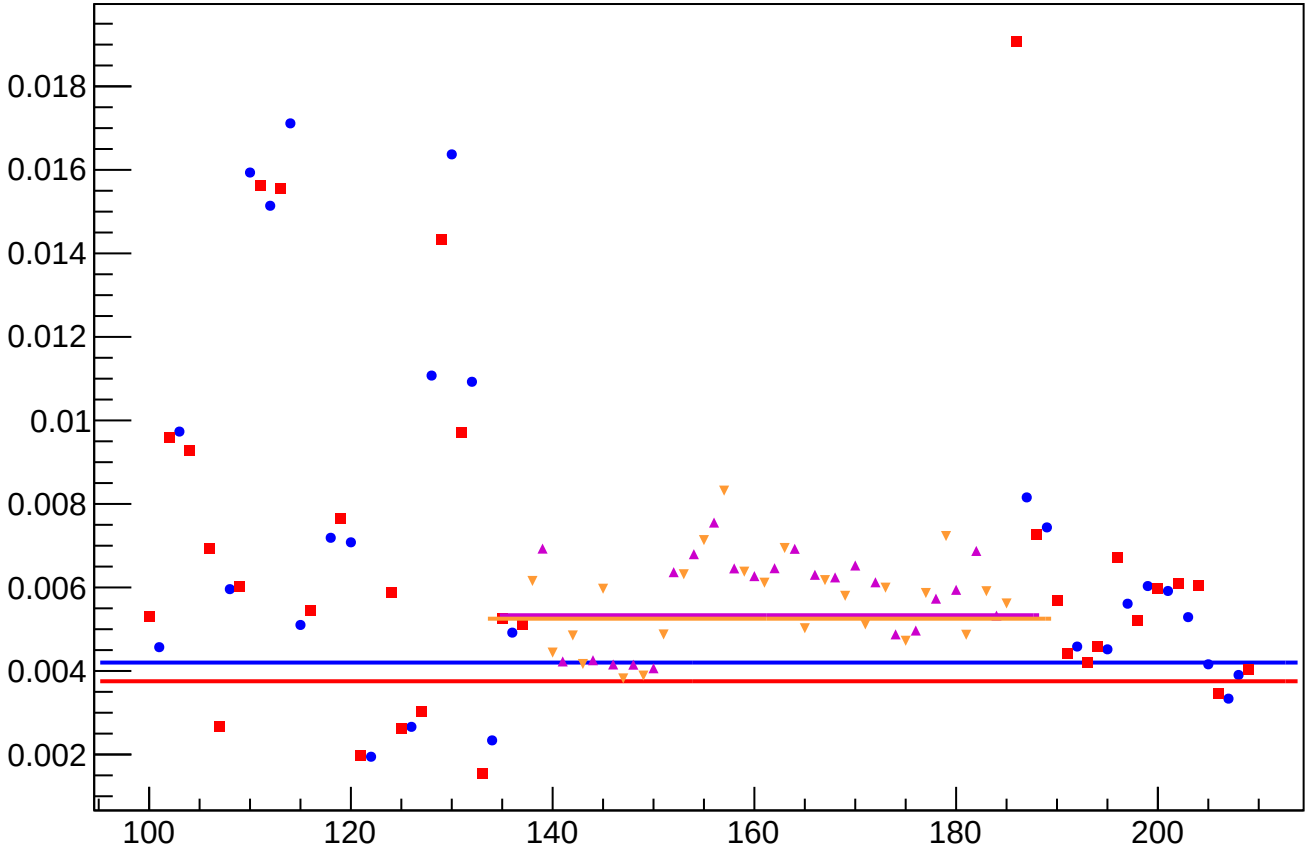
Right: 0.000+/-0.000 χ^2/NDF: 77.3/58

In: 0.000+/-0.000 χ^2/NDF:61.2/49

Out: -0.000+/-0.000 χ^2/NDF:79.7/56

All: 0.000+/-0.000 χ^2/NDF: 145.2/106

asym_sam_26_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.004+/-0.000 χ^2/NDF: 5711209.5/26

Left Out: 0.005+/-0.000 χ^2/NDF:1511867.7/24

Right Out: 0.004+/-0.000 χ^2/NDF: 8468705.7/31

Left In: 0.005+/-0.000 χ^2/NDF:1508187.9/22

Left: 0.005+/-0.000 χ^2/NDF: 3024442.1/47

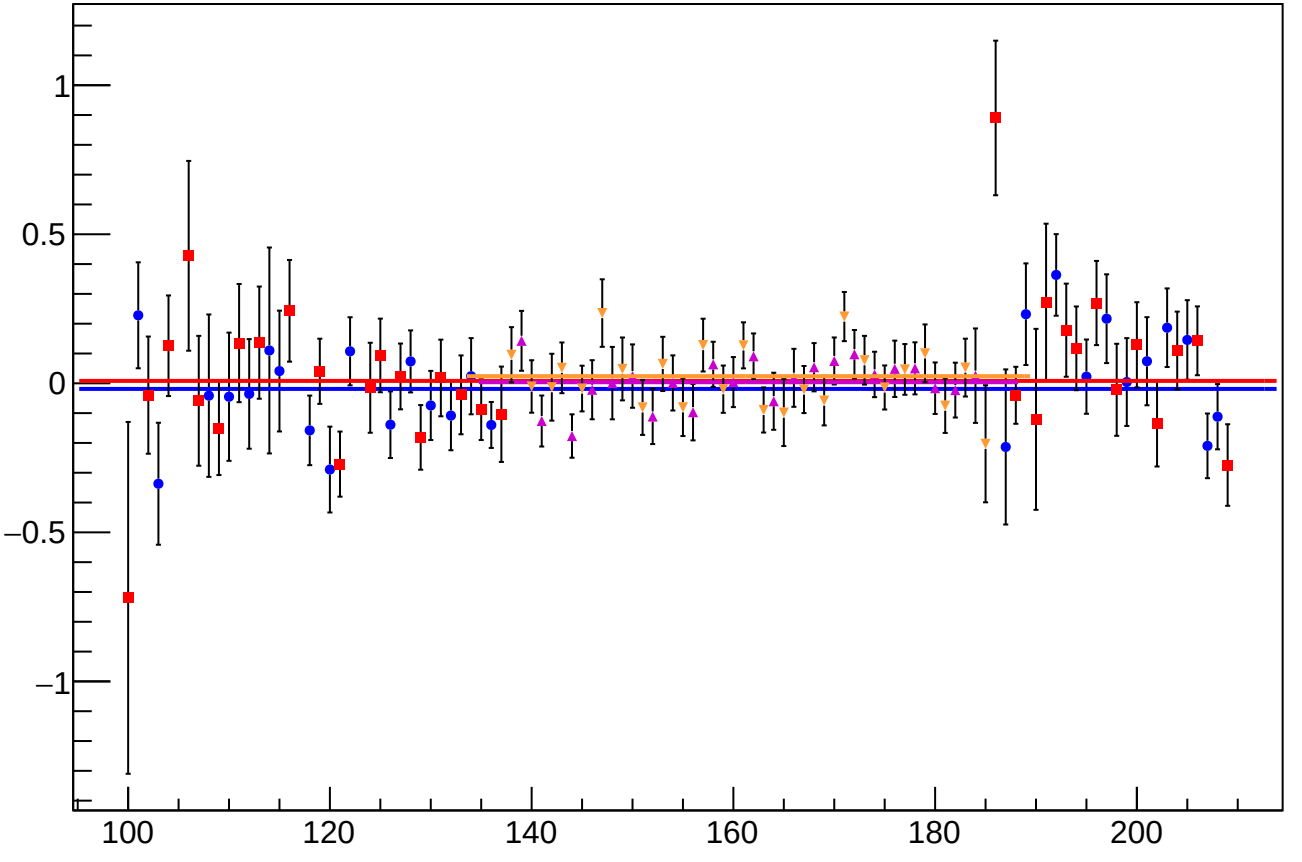
Right: 0.004+/-0.000 χ^2/NDF: 14337522.4/58

In: 0.005+/-0.000 χ^2/NDF:8060060.0/49

Out: 0.004+/-0.000 χ^2/NDF:11690433.4/56

All: 0.005+/-0.000 χ^2/NDF: 19905029.7/106

asym_sam_26_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.019+/-0.026 χ^2/NDF: 37.4/26

Left Out: 0.024+/-0.018 χ^2/NDF:25.5/24

Right Out: 0.008+/-0.025 χ^2/NDF: 45.6/31

Left In: 0.004+/-0.019 χ^2/NDF:18.9/22

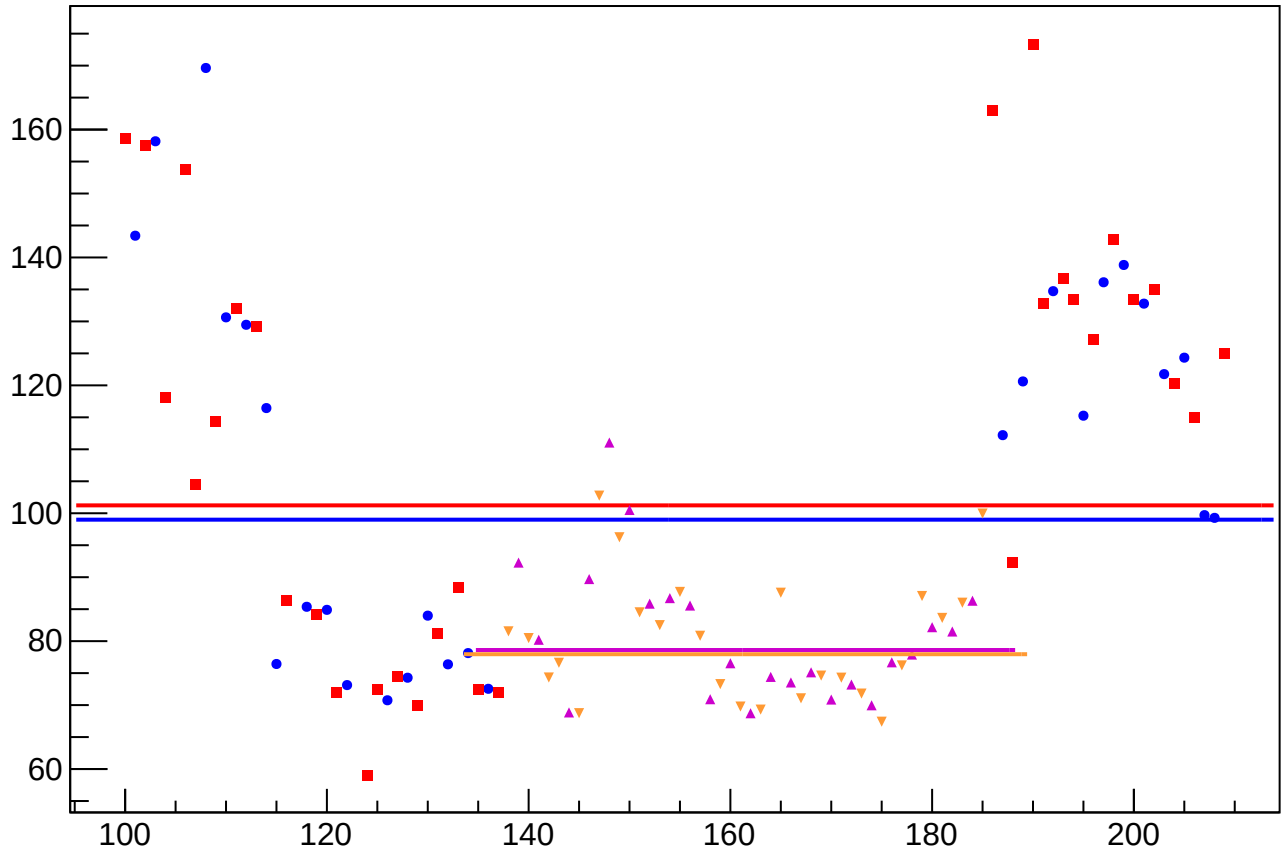
Left: 0.014+/-0.013 χ^2/NDF: 45.0/47

Right: -0.005+/-0.018 χ^2/NDF: 83.6/58

In: -0.004+/-0.015 χ^2/NDF:56.8/49

Out: 0.019+/-0.015 χ^2/NDF:71.4/56

All: 0.008+/-0.011 χ^2/NDF: 129.4/106



Right In: 98.996+/-0.018 χ^2/NDF: 2056749.4/26

Left Out: 77.957+/-0.013 χ^2/NDF:439744.9/24

Right Out: 101.233+/-0.018 χ^2/NDF: 2451565.1/31

Left In: 78.614+/-0.013 χ^2/NDF:497846.3/22

Left: 78.273+/-0.009 χ^2/NDF: 938894.7/47

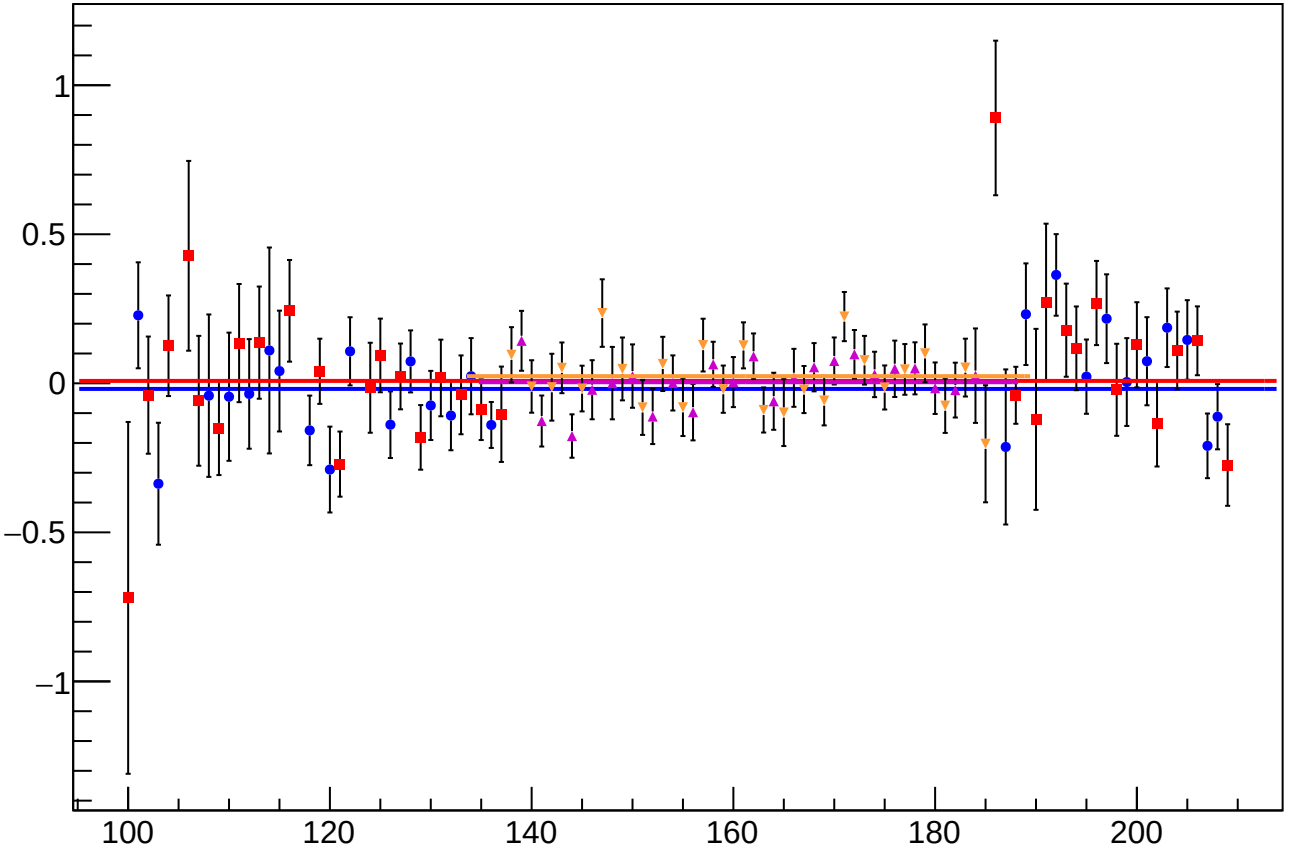
Right: 100.133+/-0.013 χ^2/NDF: 4515878.8/58

In: 85.522+/-0.011 χ^2/NDF:3371650.5/49

Out: 85.617+/-0.010 χ^2/NDF:4009724.9/56

All: 85.571+/-0.007 χ^2/NDF: 7381416.0/106

asym_sam_26_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.019+/-0.026 χ^2/NDF: 37.4/26

Left Out: 0.024+/-0.018 χ^2/NDF:25.5/24

Right Out: 0.008+/-0.025 χ^2/NDF: 45.6/31

Left In: 0.004+/-0.019 χ^2/NDF:18.9/22

Left: 0.014+/-0.013 χ^2/NDF: 45.0/47

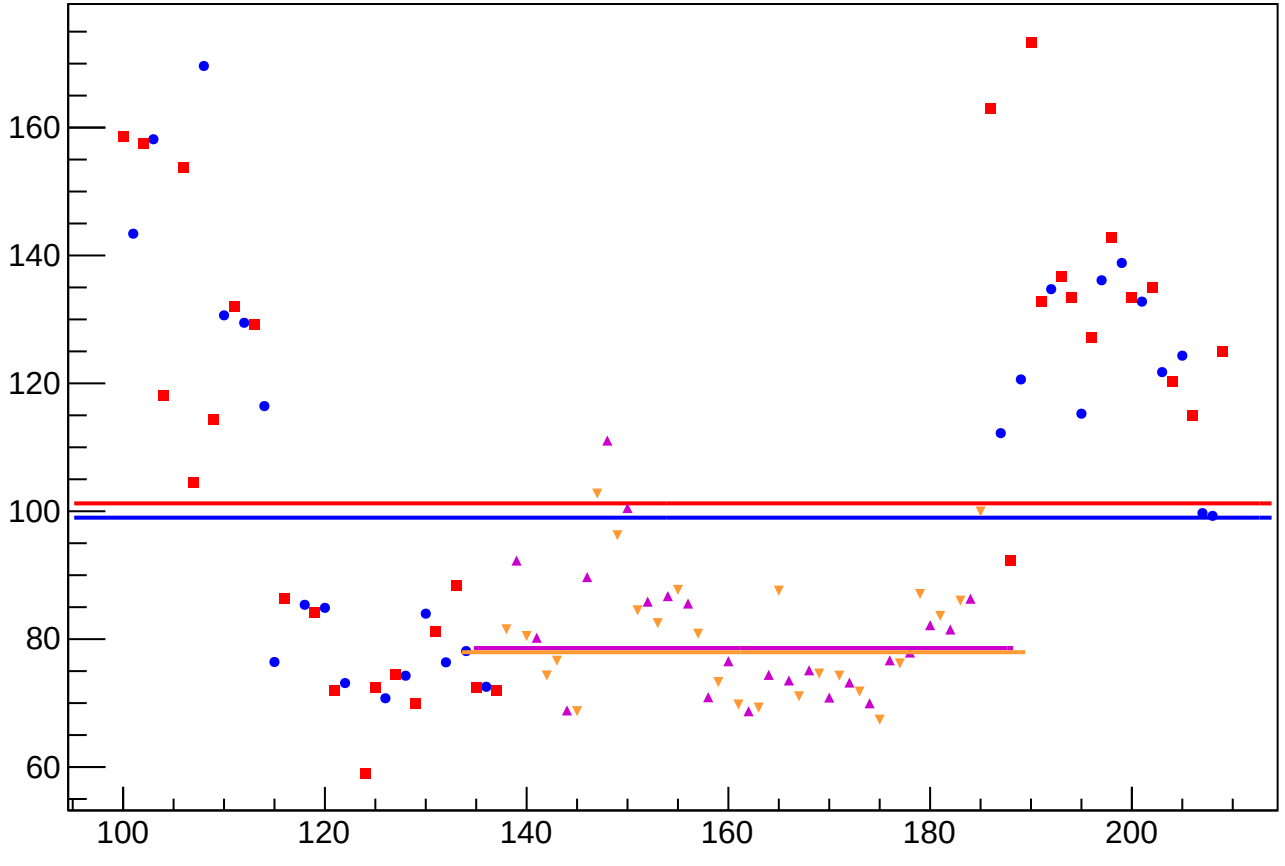
Right: -0.005+/-0.018 χ^2/NDF: 83.6/58

In: -0.004+/-0.015 χ^2/NDF:56.8/49

Out: 0.019+/-0.015 χ^2/NDF:71.4/56

All: 0.008+/-0.011 χ^2/NDF: 129.4/106

asym_sam_26_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 98.996+/-0.018 χ^2/NDF: 2056749.4/26

Left Out: 77.957+/-0.013 χ^2/NDF:439744.9/24

Right Out: 101.233+/-0.018 χ^2/NDF: 2451565.1/31

Left In: 78.614+/-0.013 χ^2/NDF:497846.3/22

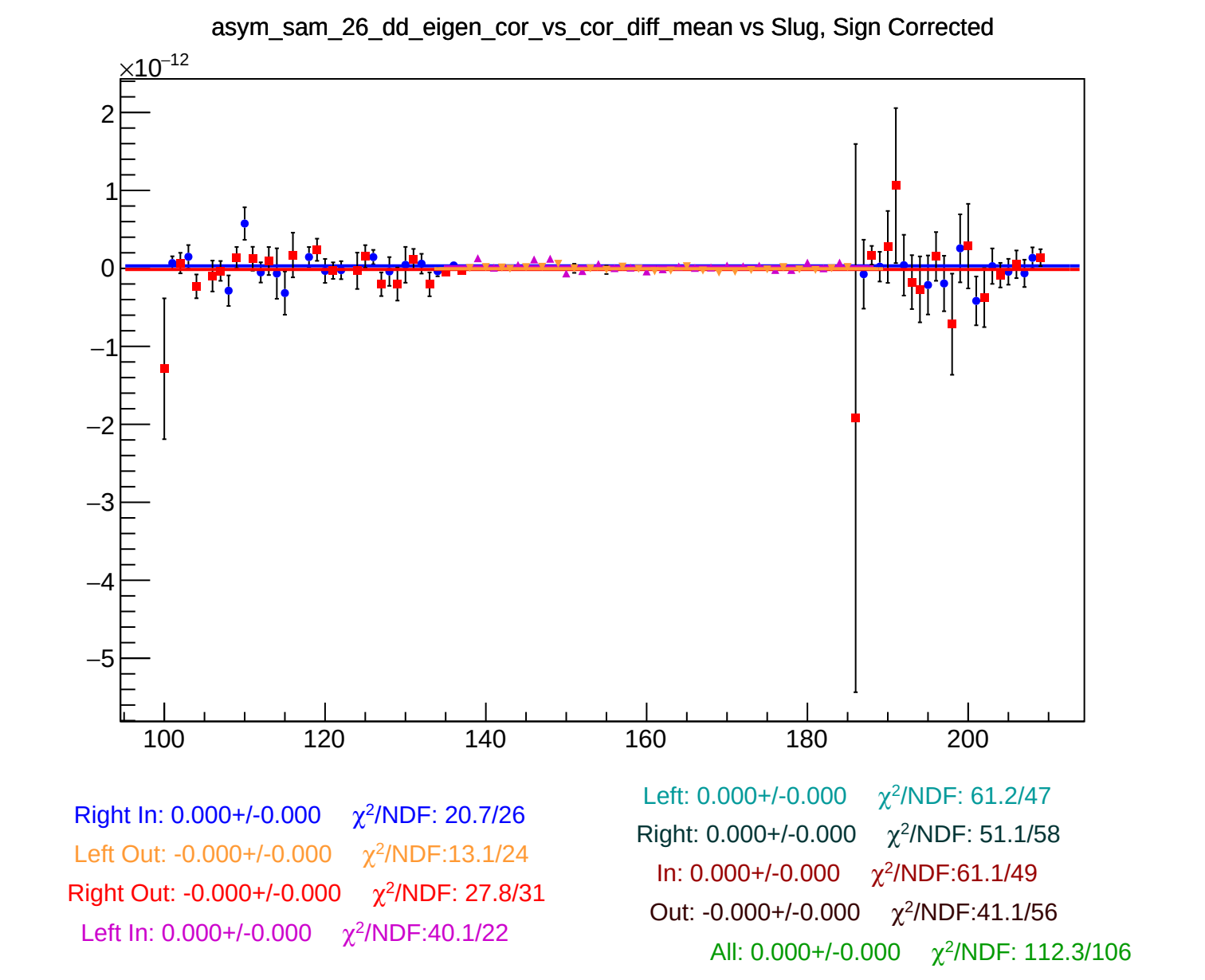
Left: 78.273+/-0.009 χ^2/NDF: 938894.7/47

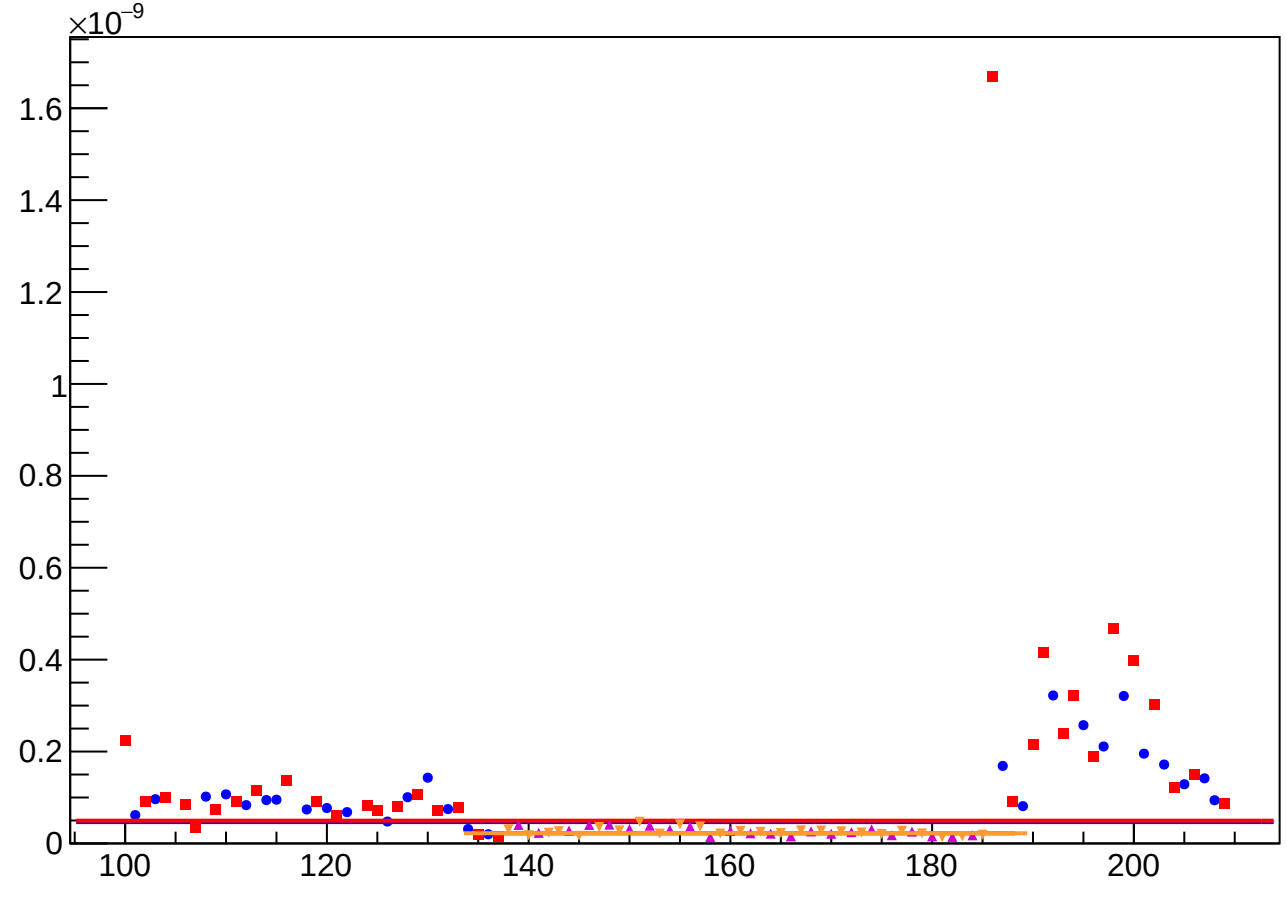
Right: 100.133+/-0.013 χ^2/NDF: 4515878.8/58

In: 85.522+/-0.011 χ^2/NDF:3371650.5/49

Out: 85.617+/-0.010 χ^2/NDF:4009724.9/56

All: 85.571+/-0.007 χ^2/NDF: 7381416.0/106


asym_sam_26_dd_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
2
1
0
−1
−2
−3
−4
−5
100
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 20.7/26
Left Out: -0.000+/-0.000 χ²/NDF:13.1/24
Right Out: -0.000+/-0.000 χ²/NDF: 27.8/31
Left In: 0.000+/-0.000 χ²/NDF:40.1/22
Left: 0.000+/-0.000 χ²/NDF: 61.2/47
Right: 0.000+/-0.000 χ²/NDF: 51.1/58
In: 0.000+/-0.000 χ²/NDF:61.1/49
Out: -0.000+/-0.000 χ²/NDF:41.1/56
All: 0.000+/-0.000 χ²/NDF: 112.3/106



Right In: 0.000+/-0.000 χ^2/NDF: 9259951.7/26

Left Out: 0.000+/-0.000 χ^2/NDF:2302790.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 11485876.5/31

Left In: 0.000+/-0.000 χ^2/NDF:2802318.8/22

Left: 0.000+/-0.000 χ^2/NDF: 5106315.5/47

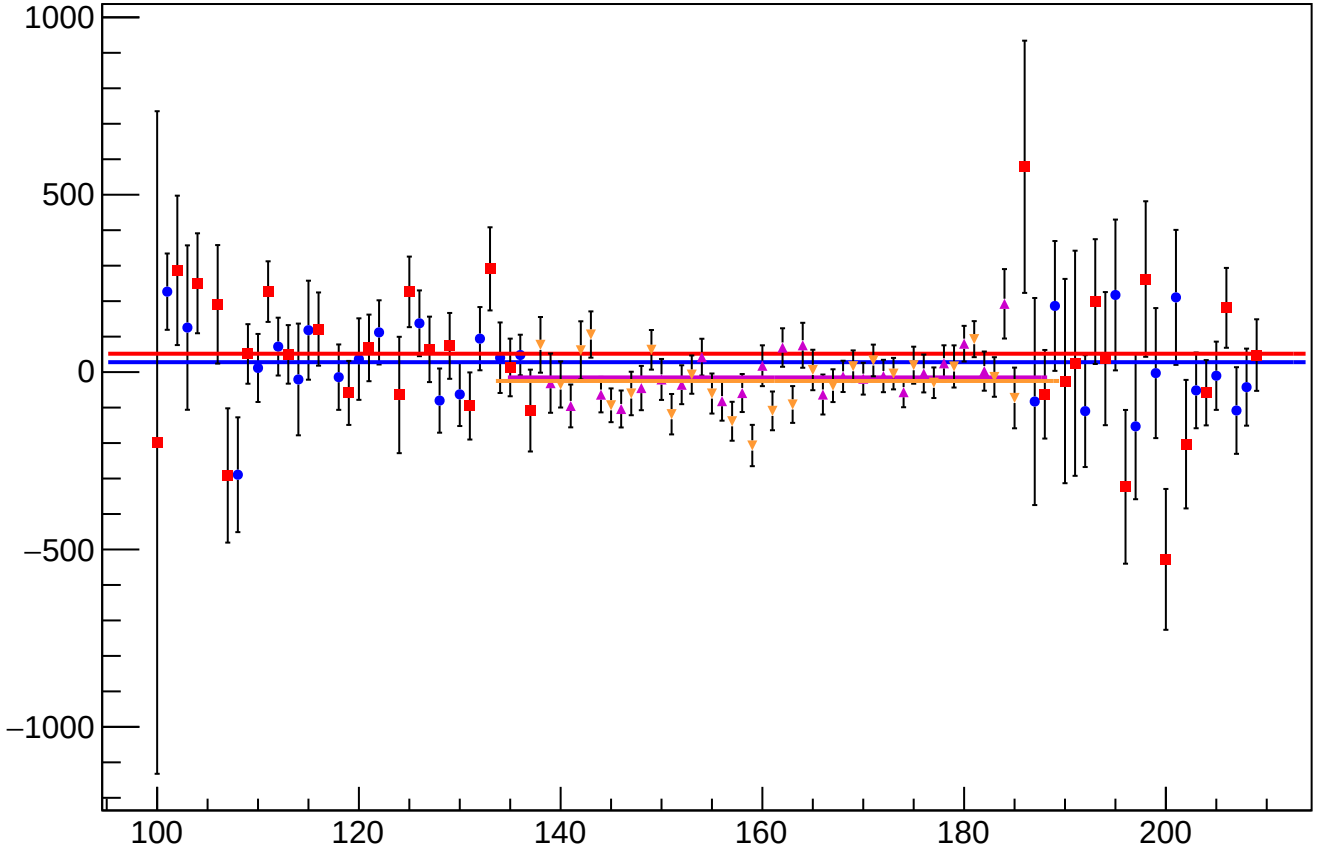
Right: 0.000+/-0.000 χ^2/NDF: 20768880.5/58

In: 0.000+/-0.000 χ^2/NDF:14840778.0/49

Out: 0.000+/-0.000 χ^2/NDF:16950442.6/56

All: 0.000+/-0.000 χ^2/NDF: 31791553.1/106

reg_asym_sam_37_dd_mean vs Slug, Sign Corrected



Right In: 27.977+/-21.132 χ^2/NDF: 20.5/26

Left Out: -24.988+/-10.888 χ^2/NDF:43.1/24

Right Out: 51.817+/-21.199 χ^2/NDF: 46.9/31

Left In: -14.994+/-11.218 χ^2/NDF:24.7/22

Left: -20.140+/-7.813 χ^2/NDF: 68.2/47

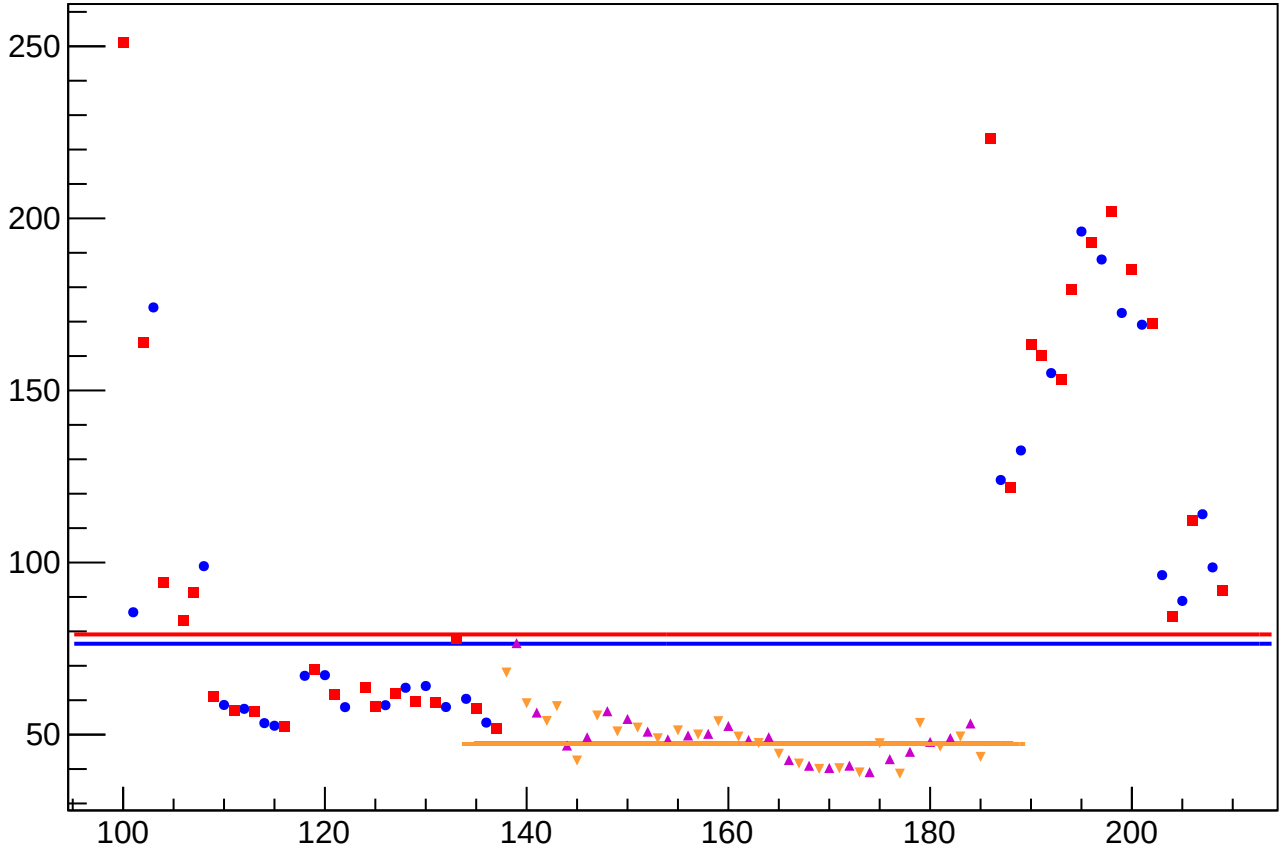
Right: 39.859+/-14.966 χ^2/NDF: 68.0/58

In: -5.546+/-9.908 χ^2/NDF:48.4/49

Out: -8.957+/-9.685 χ^2/NDF:100.4/56

All: -7.291+/-6.926 χ^2/NDF: 148.8/106

reg_asym_sam_37_dd_rms vs Slug, Sign Corrected



Right In: 76.407+/-0.015 χ^2/NDF: 4779407.5/26

Left Out: 47.284+/-0.008 χ^2/NDF:717249.8/24

Right Out: 79.112+/-0.015 χ^2/NDF: 5878335.0/31

Left In: 47.425+/-0.008 χ^2/NDF:655736.9/22

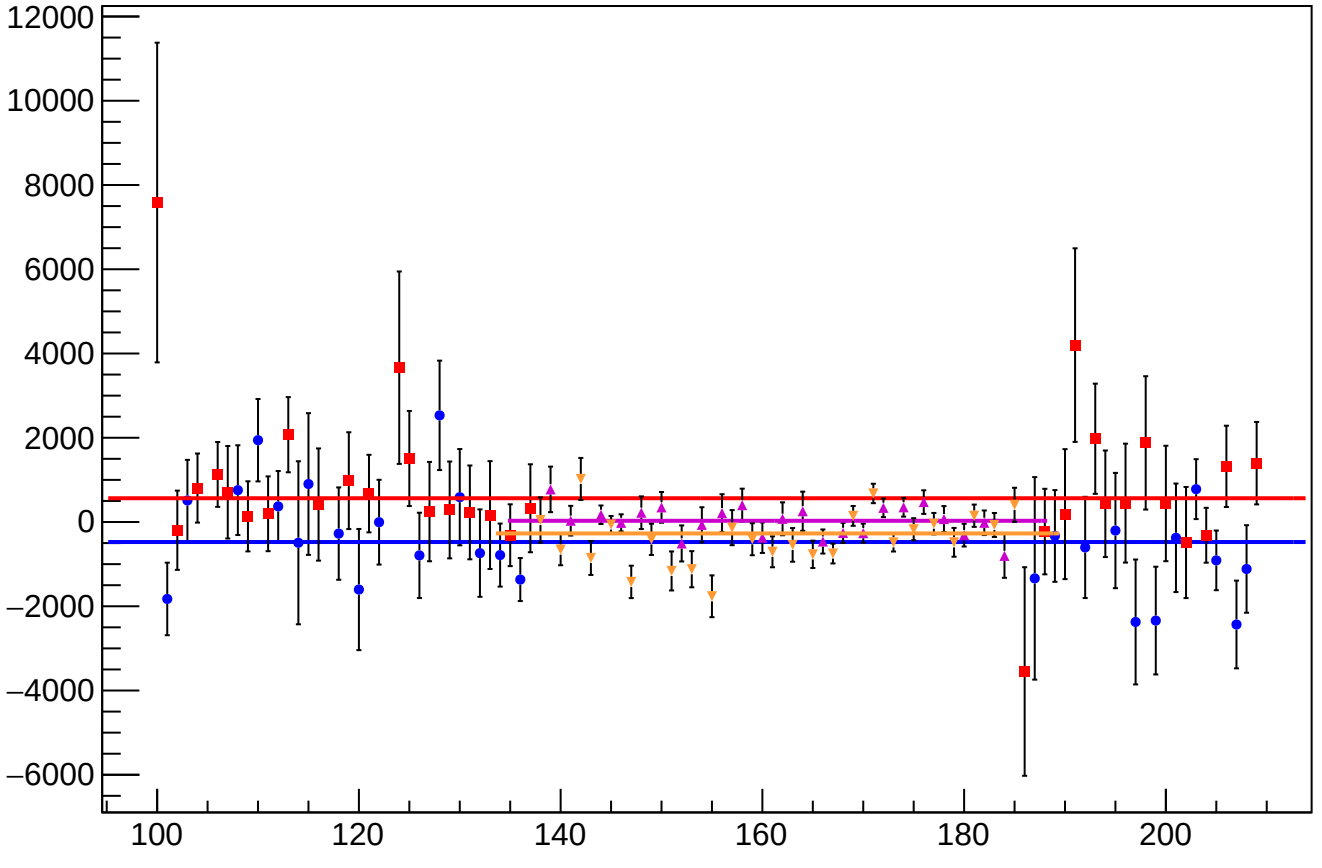
Left: 47.352+/-0.006 χ^2/NDF: 1373150.4/47

Right: 77.755+/-0.011 χ^2/NDF: 10674075.9/58

In: 53.797+/-0.007 χ^2/NDF:8370061.7/49

Out: 53.927+/-0.007 χ^2/NDF:10163006.7/56

All: 53.863+/-0.005 χ^2/NDF: 18533244.0/106



Right In: -475.030+/-191.338 χ^2/NDF: 34.5/26

Left Out: -271.031+/-62.346 χ^2/NDF:73.9/24

Right Out: 564.440+/-189.811 χ^2/NDF: 24.1/31

Left In: 29.200+/-62.671 χ^2/NDF:24.4/22

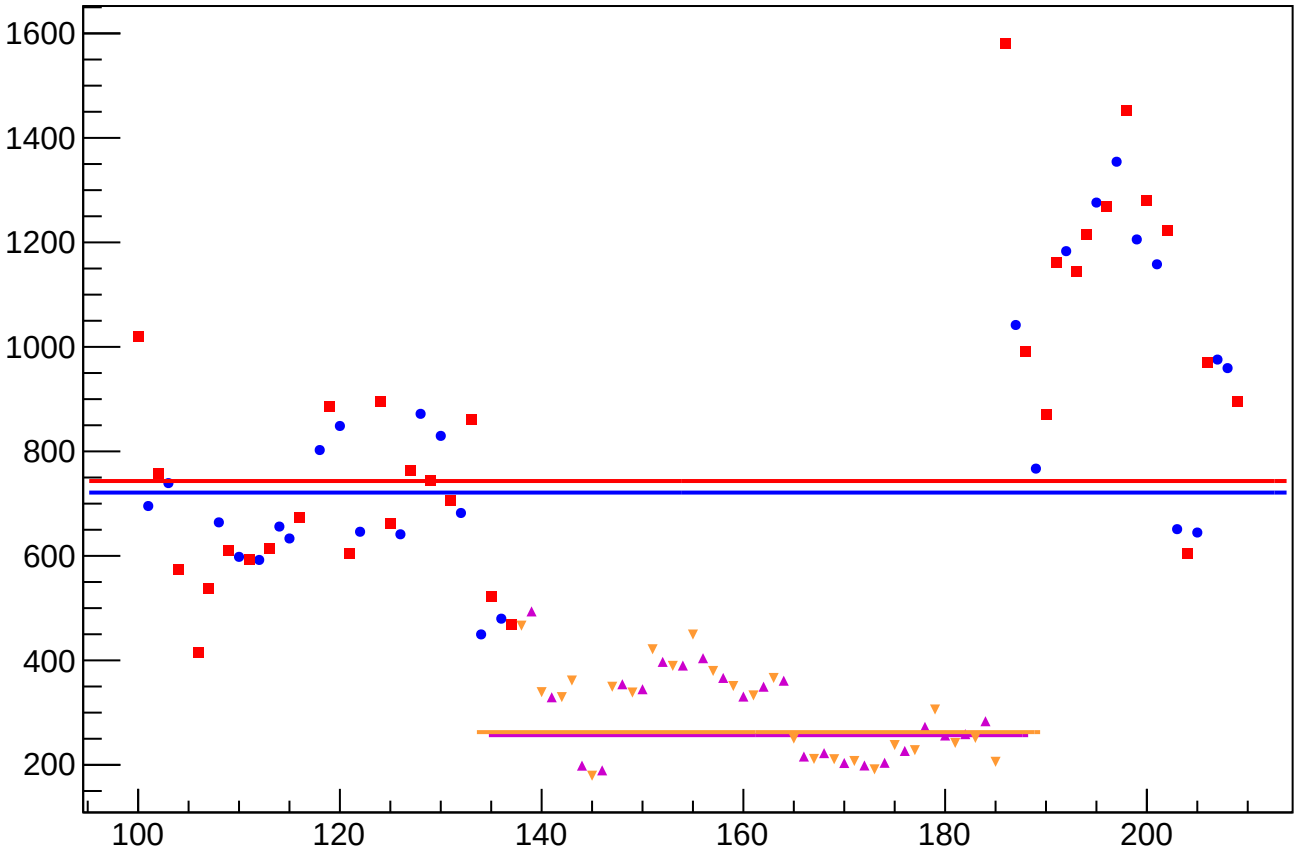
Left: -121.695+/-44.200 χ^2/NDF: 109.8/47

Right: 48.867+/-134.753 χ^2/NDF: 73.5/58

In: -19.653+/-59.557 χ^2/NDF:65.2/49

Out: -189.672+/-59.233 χ^2/NDF:115.5/56

All: -105.128+/-41.998 χ^2/NDF: 184.8/106



Right In: 721.161+/-0.135 χ^2/NDF: 2716463.3/26

Left Out: 262.679+/-0.044 χ^2/NDF:2893255.4/24

Right Out: 743.269+/-0.134 χ^2/NDF: 3515618.8/31

Left In: 256.842+/-0.044 χ^2/NDF:2639200.9/22

Left: 259.776+/-0.031 χ^2/NDF: 5541174.7/47

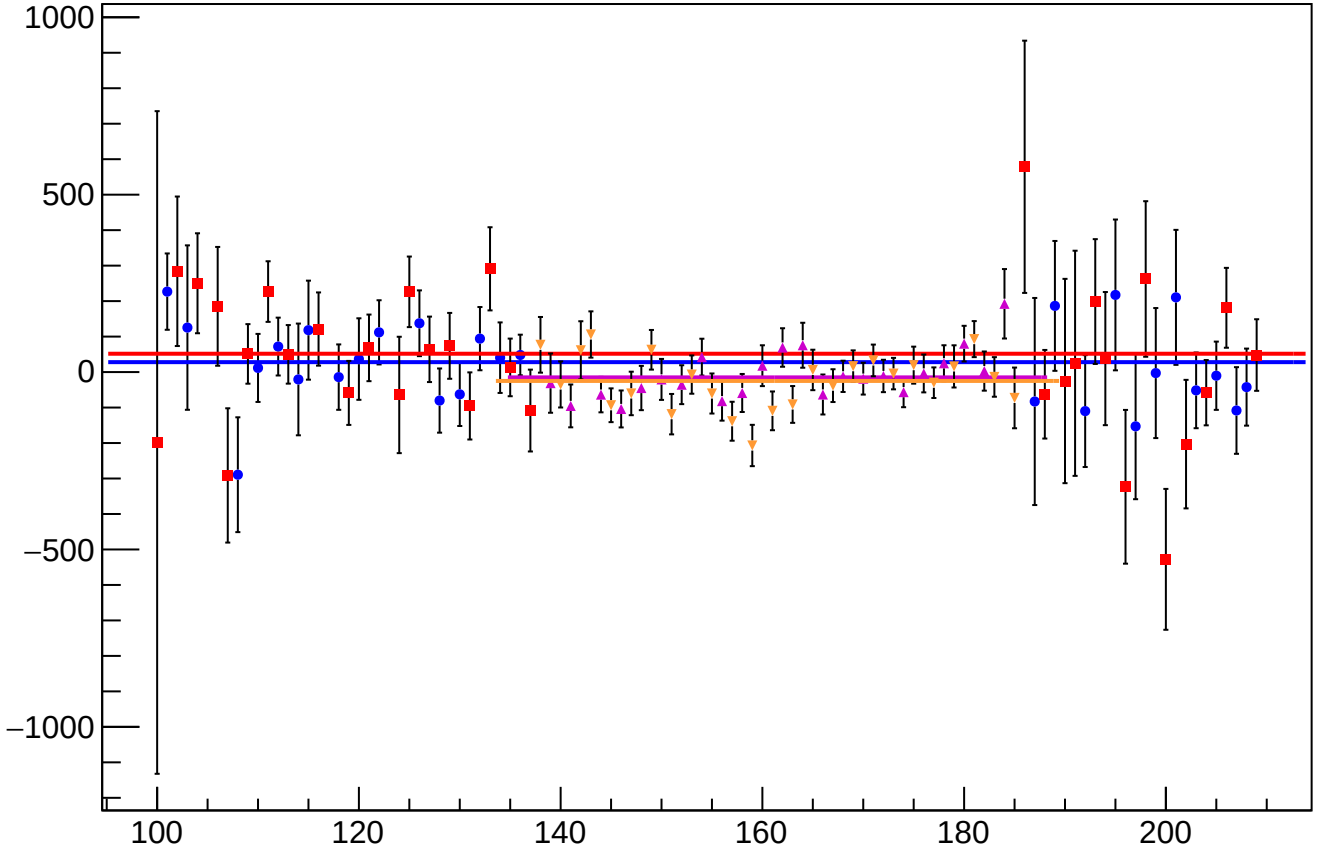
Right: 732.304+/-0.095 χ^2/NDF: 6245539.8/58

In: 301.829+/-0.042 χ^2/NDF:15992273.6/49

Out: 309.479+/-0.042 χ^2/NDF:17981705.5/56

All: 305.675+/-0.030 χ^2/NDF: 33990569.3/10

cor_asym_sam_37_dd_mean vs Slug, Sign Corrected



Right In: 27.970+/-21.132 χ^2/NDF: 20.5/26

Left Out: -24.985+/-10.888 χ^2/NDF:43.1/24

Right Out: 51.679+/-21.200 χ^2/NDF: 46.8/31

Left In: -14.992+/-11.218 χ^2/NDF:24.7/22

Left: -20.138+/-7.813 χ^2/NDF: 68.2/47

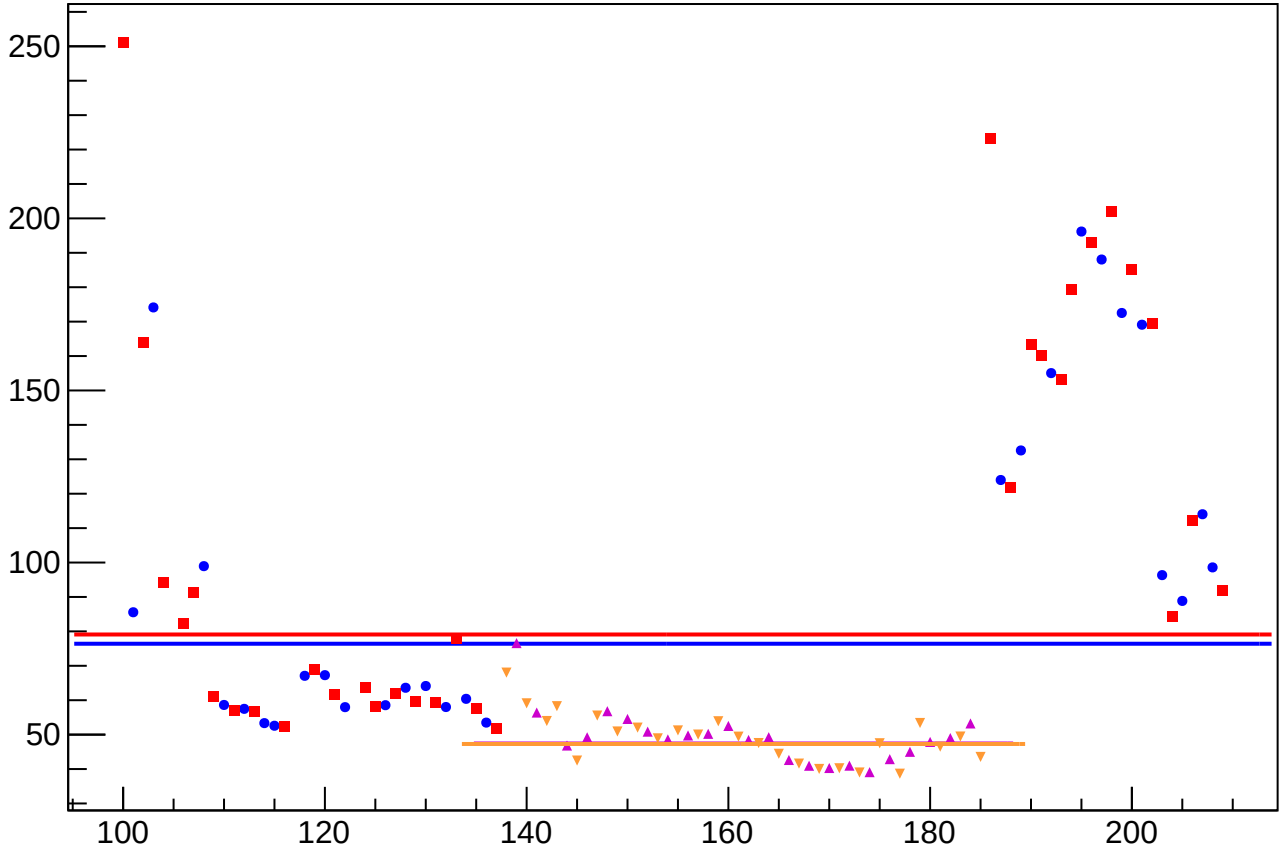
Right: 39.786+/-14.967 χ^2/NDF: 67.9/58

In: -5.547+/-9.908 χ^2/NDF:48.4/49

Out: -8.985+/-9.685 χ^2/NDF:100.2/56

All: -7.305+/-6.926 χ^2/NDF: 148.7/106

cor_asym_sam_37_dd_rms vs Slug, Sign Corrected



Right In: 76.407+/-0.015 χ^2/NDF: 4779409.9/26

Left Out: 47.284+/-0.008 χ^2/NDF:717249.7/24

Right Out: 79.095+/-0.015 χ^2/NDF: 5877986.2/31

Left In: 47.425+/-0.008 χ^2/NDF:655736.9/22

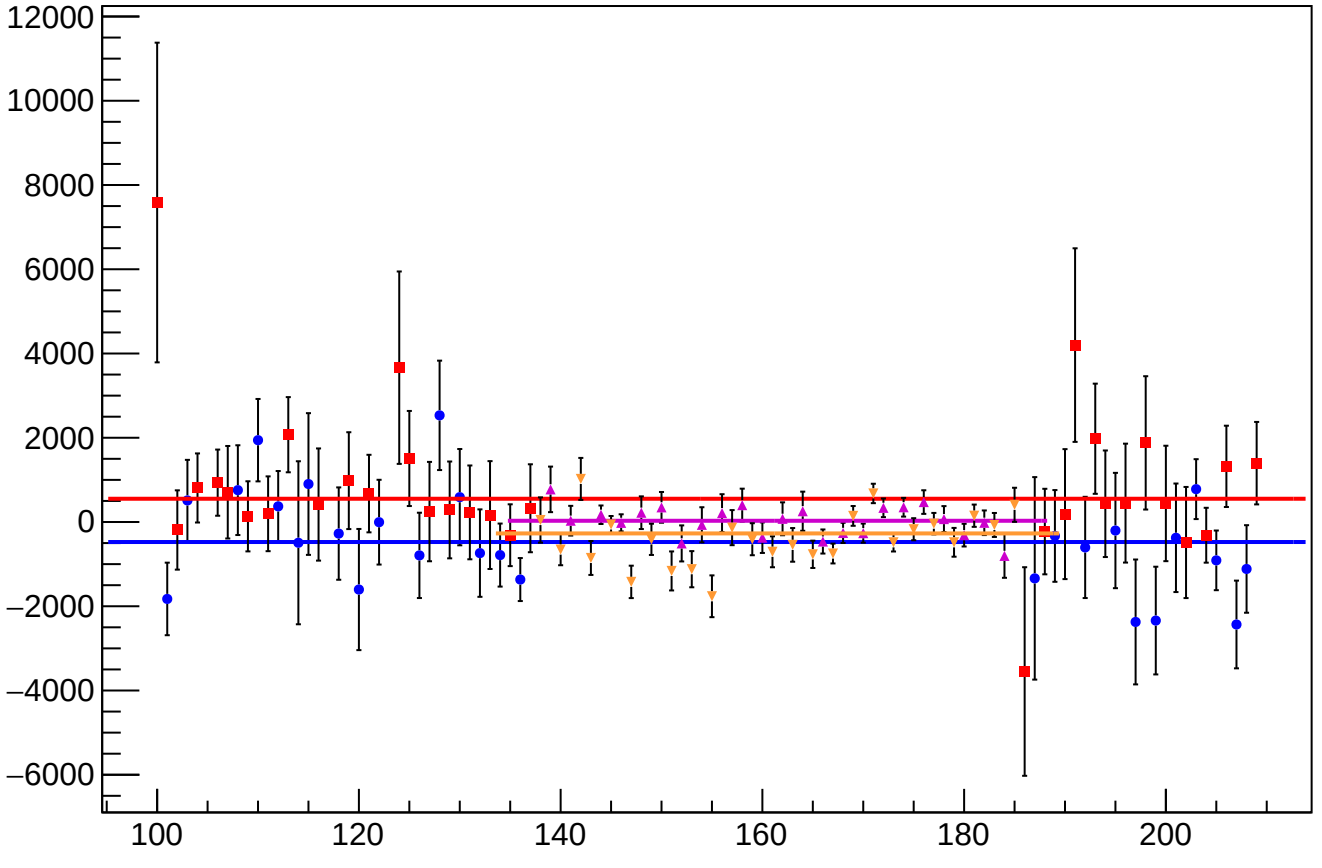
Left: 47.352+/-0.006 χ^2/NDF: 1373150.3/47

Right: 77.747+/-0.011 χ^2/NDF: 10673526.8/58

In: 53.797+/-0.007 χ^2/NDF:8370063.6/49

Out: 53.923+/-0.007 χ^2/NDF:10158639.2/56

All: 53.861+/-0.005 χ^2/NDF: 18528867.7/106



Right In: -475.031+/-191.338 χ^2/NDF: 34.5/26

Left Out: -271.027+/-62.346 χ^2/NDF:73.9/24

Right Out: 552.057+/-190.045 χ^2/NDF: 23.8/31

Left In: 29.202+/-62.671 χ^2/NDF:24.4/22

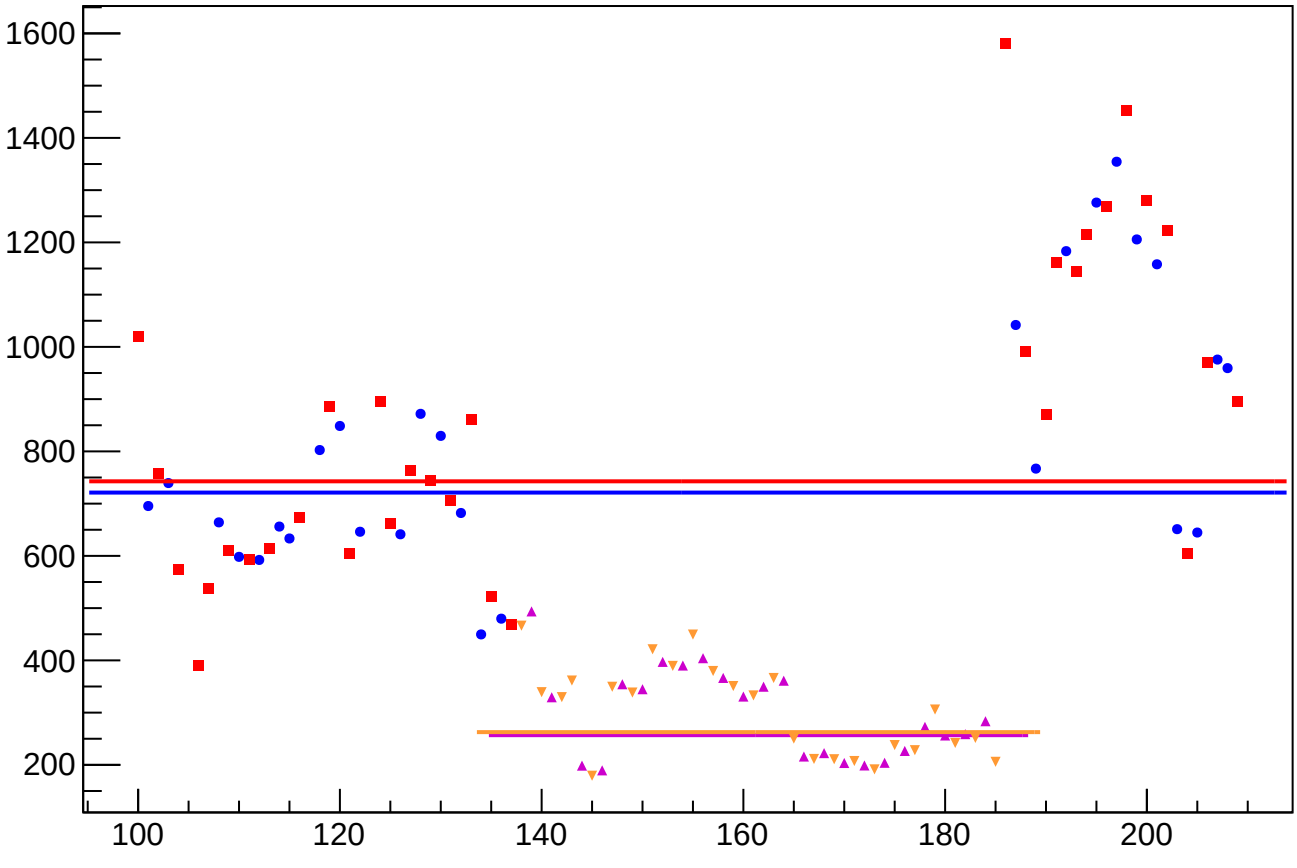
Left: -121.692+/-44.200 χ^2/NDF: 109.8/47

Right: 41.995+/-134.837 χ^2/NDF: 72.8/58

In: -19.652+/-59.557 χ^2/NDF:65.2/49

Out: -191.052+/-59.240 χ^2/NDF:114.6/56

All: -105.810+/-42.001 χ^2/NDF: 184.0/106



Right In: 721.164+/-0.135 χ^2/NDF: 2716468.5/26

Left Out: 262.679+/-0.044 χ^2/NDF:2893257.1/24

Right Out: 742.710+/-0.134 χ^2/NDF: 3553110.5/31

Left In: 256.842+/-0.044 χ^2/NDF:2639196.2/22

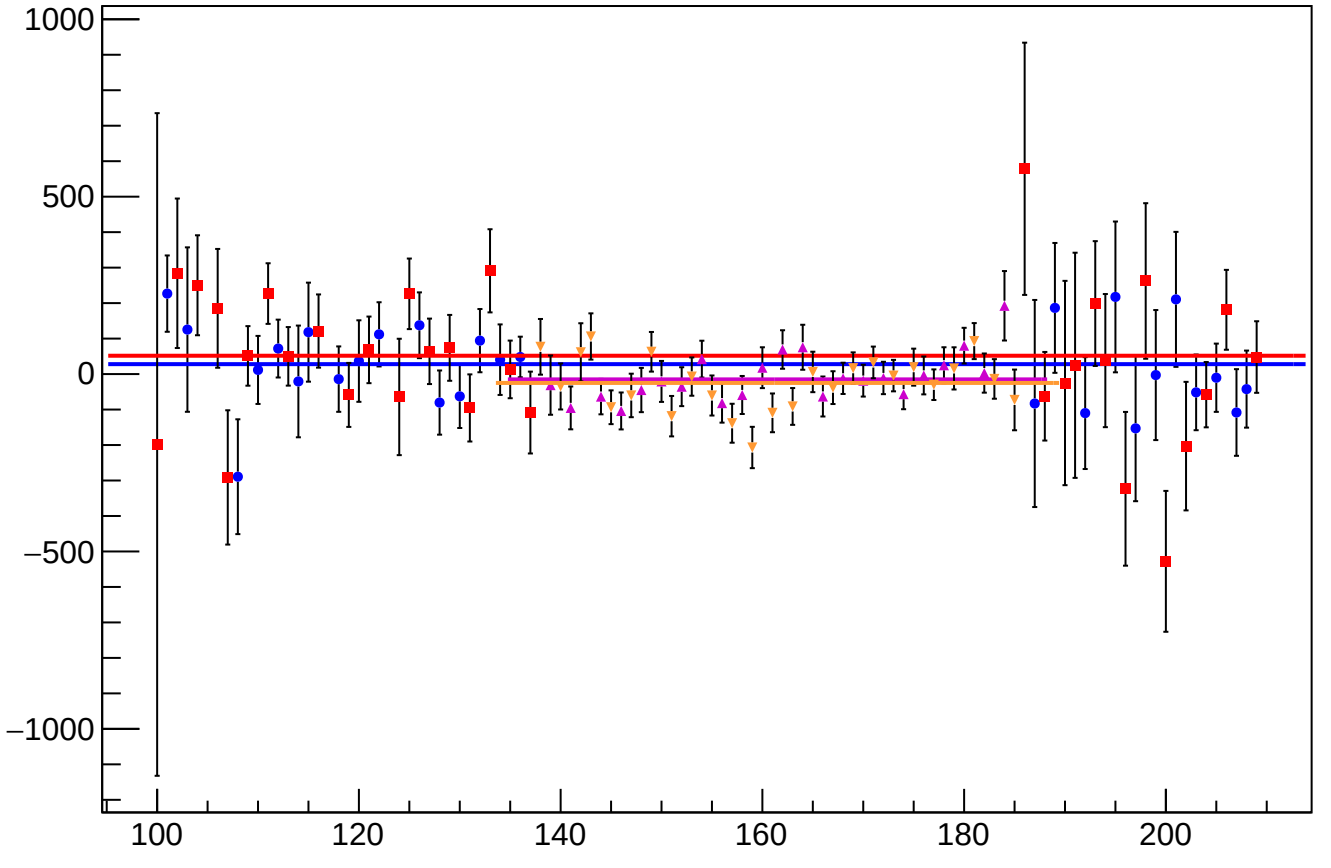
Left: 259.776+/-0.031 χ^2/NDF: 5541171.4/47

Right: 732.010+/-0.095 χ^2/NDF: 6282345.8/58

In: 301.829+/-0.042 χ^2/NDF:15992318.4/49

Out: 309.321+/-0.042 χ^2/NDF:17966651.6/56

All: 305.595+/-0.030 χ^2/NDF: 33974878.7/10



Right In: 27.970+/-21.132 χ^2/NDF: 20.5/26

Left Out: -24.985+/-10.888 χ^2/NDF:43.1/24

Right Out: 51.679+/-21.200 χ^2/NDF: 46.8/31

Left In: -14.992+/-11.218 χ^2/NDF:24.7/22

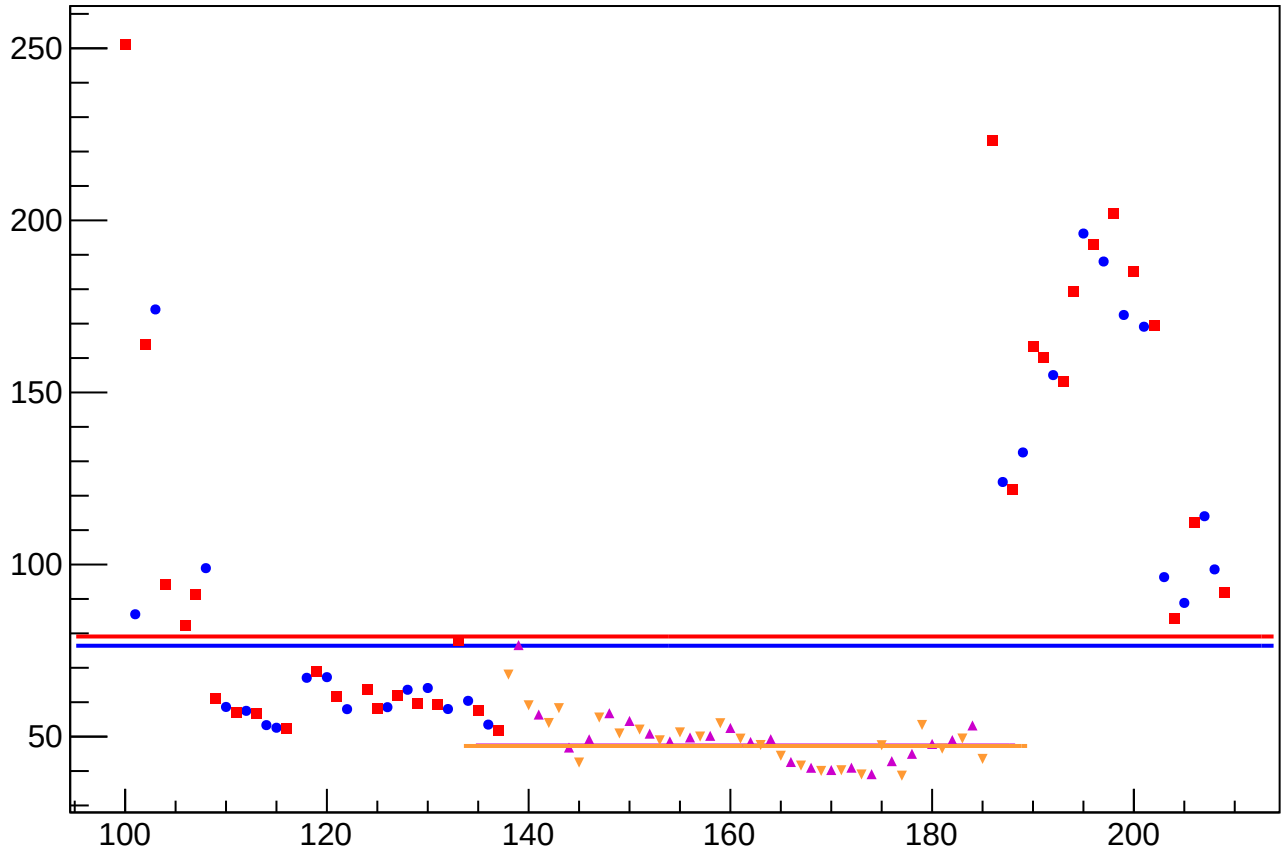
Left: -20.138+/-7.813 χ^2/NDF: 68.2/47

Right: 39.786+/-14.967 χ^2/NDF: 67.9/58

In: -5.547+/-9.908 χ^2/NDF:48.4/49

Out: -8.985+/-9.685 χ^2/NDF:100.2/56

All: -7.305+/-6.926 χ^2/NDF: 148.7/106



Right In: 76.407+/-0.015 χ^2/NDF: 4779409.9/26

Left Out: 47.284+/-0.008 χ^2/NDF:717249.7/24

Right Out: 79.095+/-0.015 χ^2/NDF: 5877986.2/31

Left In: 47.425+/-0.008 χ^2/NDF:655736.9/22

Left: 47.352+/-0.006 χ^2/NDF: 1373150.3/47

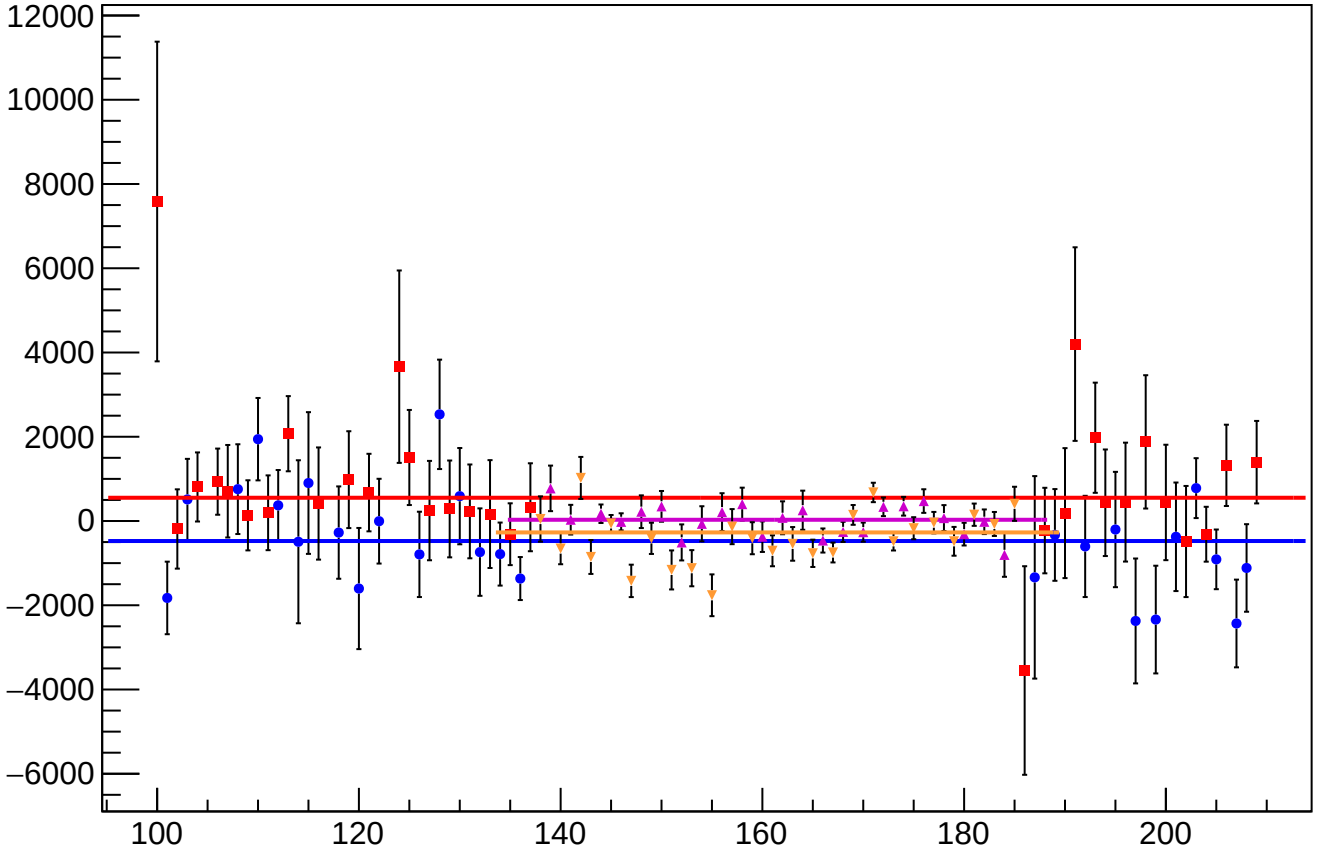
Right: 77.747+/-0.011 χ^2/NDF: 10673526.8/58

In: 53.797+/-0.007 χ^2/NDF:8370063.6/49

Out: 53.923+/-0.007 χ^2/NDF:10158639.2/56

All: 53.861+/-0.005 χ^2/NDF: 18528867.7/106

asym_sam_37_dd_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -475.031+/-191.338 χ^2/NDF: 34.5/26

Left Out: -271.027+/-62.346 χ^2/NDF:73.9/24

Right Out: 552.057+/-190.045 χ^2/NDF: 23.8/31

Left In: 29.202+/-62.671 χ^2/NDF:24.4/22

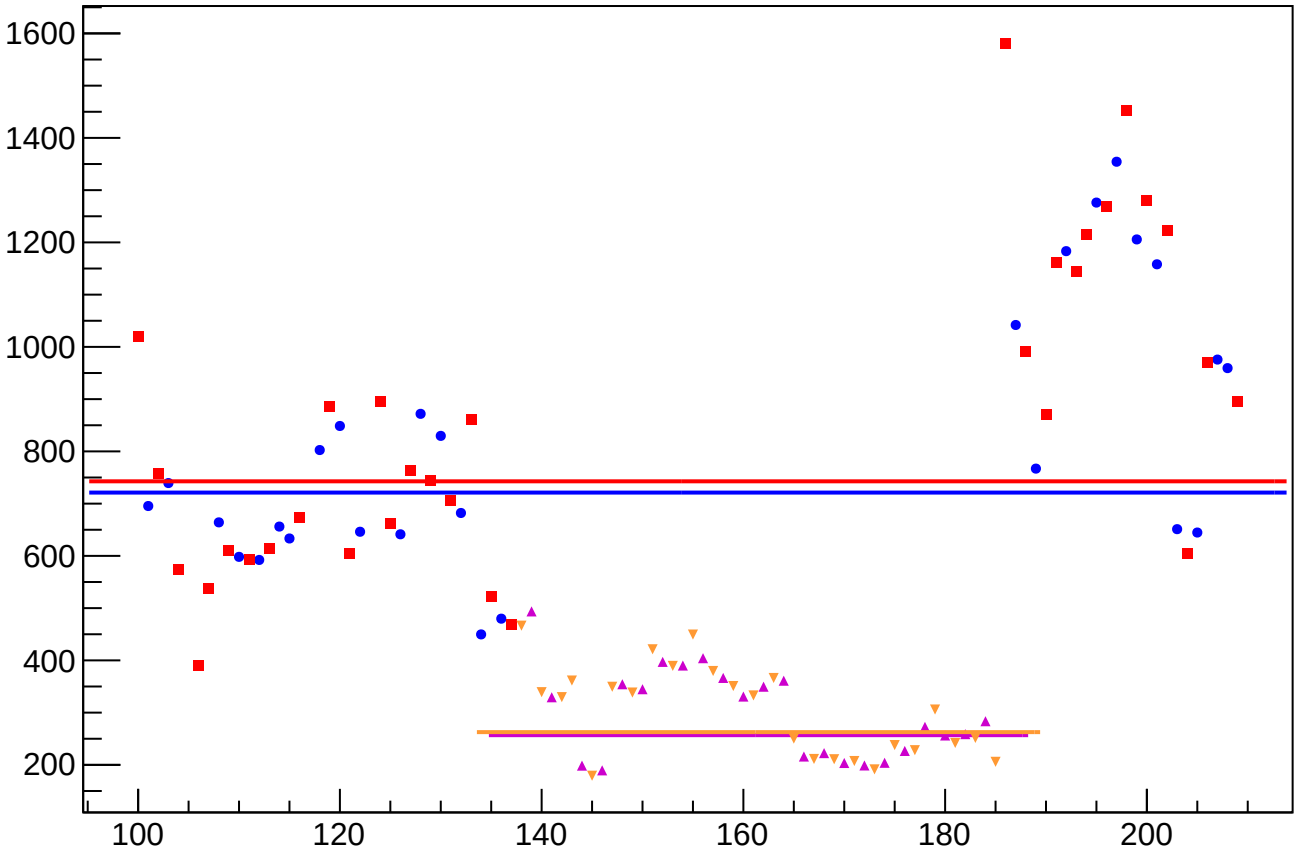
Left: -121.692+/-44.200 χ^2/NDF: 109.8/47

Right: 41.995+/-134.837 χ^2/NDF: 72.8/58

In: -19.652+/-59.557 χ^2/NDF:65.2/49

Out: -191.052+/-59.240 χ^2/NDF:114.6/56

All: -105.810+/-42.001 χ^2/NDF: 184.0/106



Right In: 721.164+/-0.135 χ^2/NDF: 2716468.5/26

Left Out: 262.679+/-0.044 χ^2/NDF:2893257.1/24

Right Out: 742.710+/-0.134 χ^2/NDF: 3553110.5/31

Left In: 256.842+/-0.044 χ^2/NDF:2639196.2/22

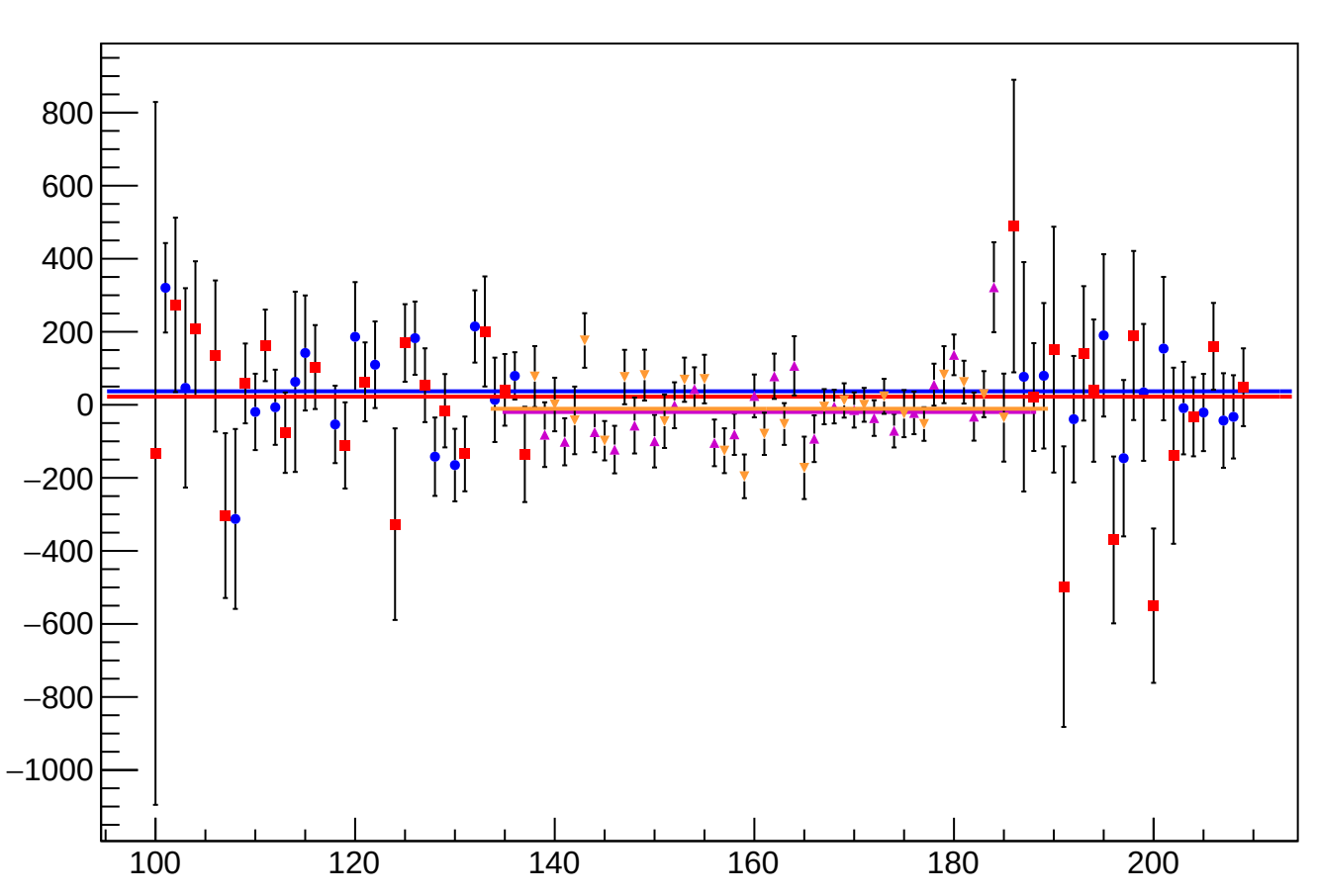
Left: 259.776+/-0.031 χ^2/NDF: 5541171.4/47

Right: 732.010+/-0.095 χ^2/NDF: 6282345.8/58

In: 301.829+/-0.042 χ^2/NDF:15992318.4/49

Out: 309.321+/-0.042 χ^2/NDF:17966651.6/56

All: 305.595+/-0.030 χ^2/NDF: 33974878.7/10



Right In: 37.017+/-24.248 χ^2/NDF: 26.1/26

Left Out: -10.823+/-12.306 χ^2/NDF:40.4/24

Right Out: 22.192+/-24.680 χ^2/NDF: 35.2/31

Left In: -19.597+/-12.546 χ^2/NDF:36.8/22

Left: -15.126+/-8.785 χ^2/NDF: 77.4/47

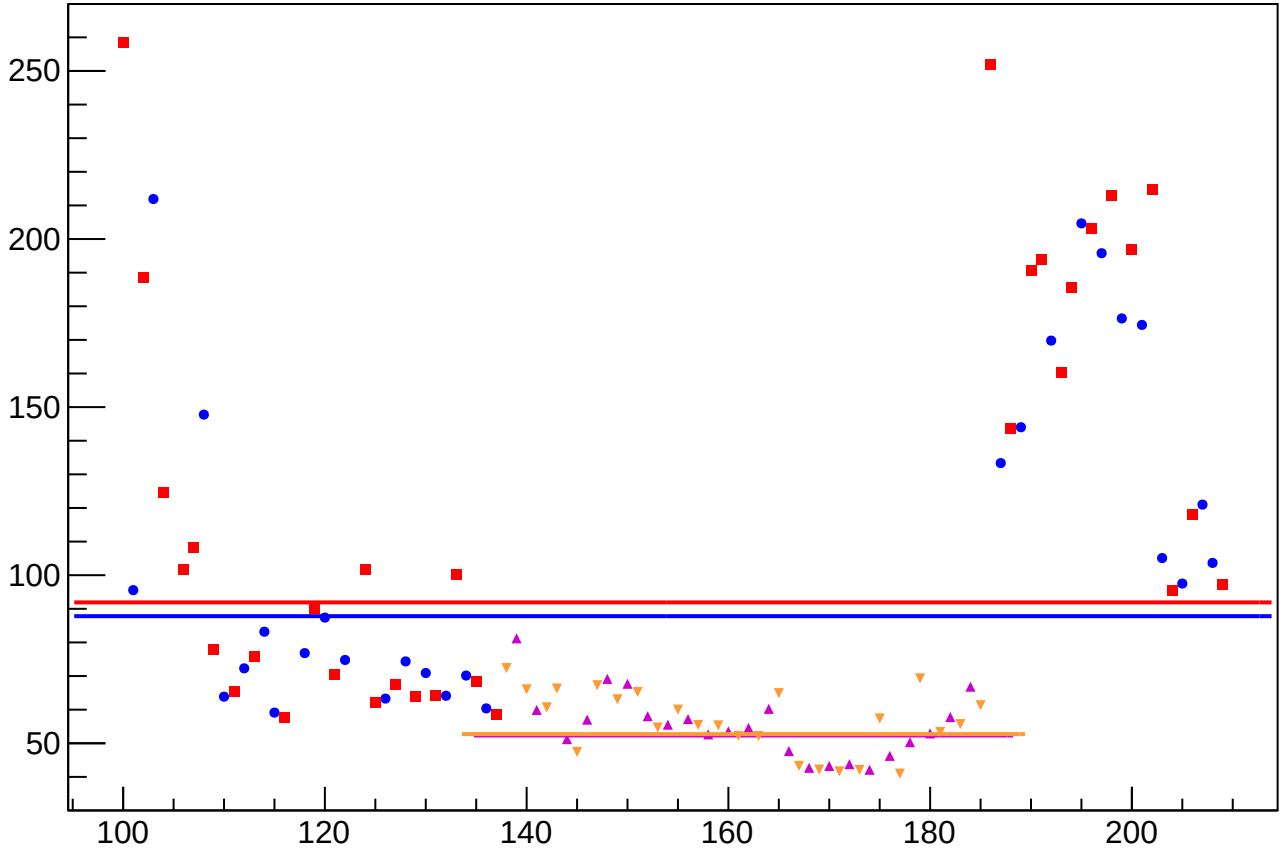
Right: 29.735+/-17.297 χ^2/NDF: 61.5/58

In: -7.643+/-11.143 χ^2/NDF:67.2/49

Out: -4.249+/-11.013 χ^2/NDF:77.1/56

All: -5.926+/-7.833 χ^2/NDF: 144.3/106

dit_asym_sam_37_dd_rms vs Slug, Sign Corrected



Right In: 87.811+/-0.017 χ^2/NDF: 4304129.9/26

Left Out: 52.731+/-0.009 χ^2/NDF:1167195.4/24

Right Out: 91.909+/-0.017 χ^2/NDF: 5532530.0/31

Left In: 52.314+/-0.009 χ^2/NDF:891847.5/22

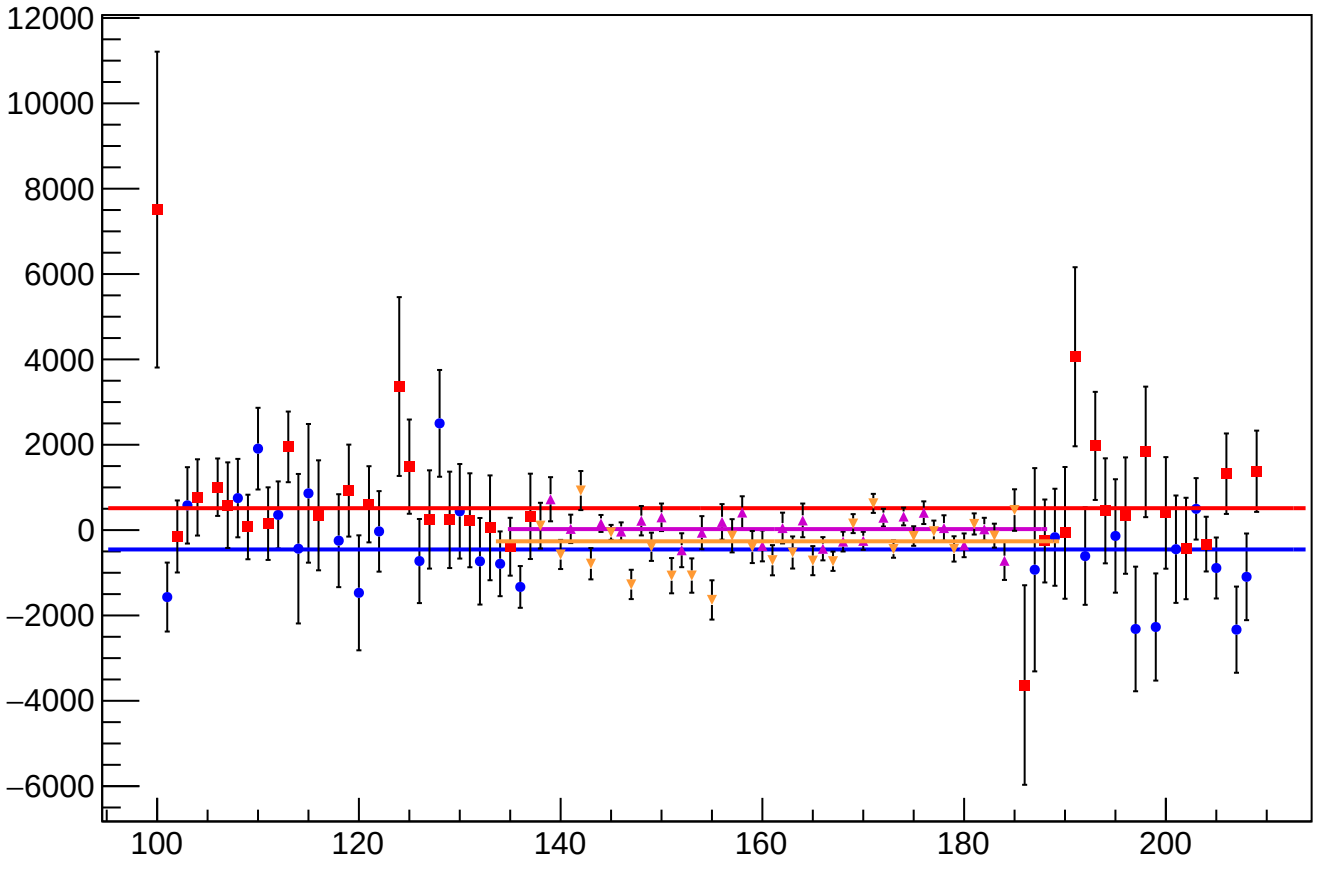
Left: 52.526+/-0.006 χ^2/NDF: 2060169.7/47

Right: 89.824+/-0.012 χ^2/NDF: 9864713.1/58

In: 59.809+/-0.008 χ^2/NDF:8576998.8/49

Out: 60.532+/-0.008 χ^2/NDF:10736232.0/56

All: 60.175+/-0.006 χ^2/NDF: 19317487.6/106



Right In: -453.610+/-185.278 χ^2/NDF: 33.2/26

Left Out: -262.582+/-58.501 χ^2/NDF:72.2/24

Right Out: 513.440+/-180.823 χ^2/NDF: 26.1/31

Left In: 23.469+/-59.397 χ^2/NDF:24.2/22

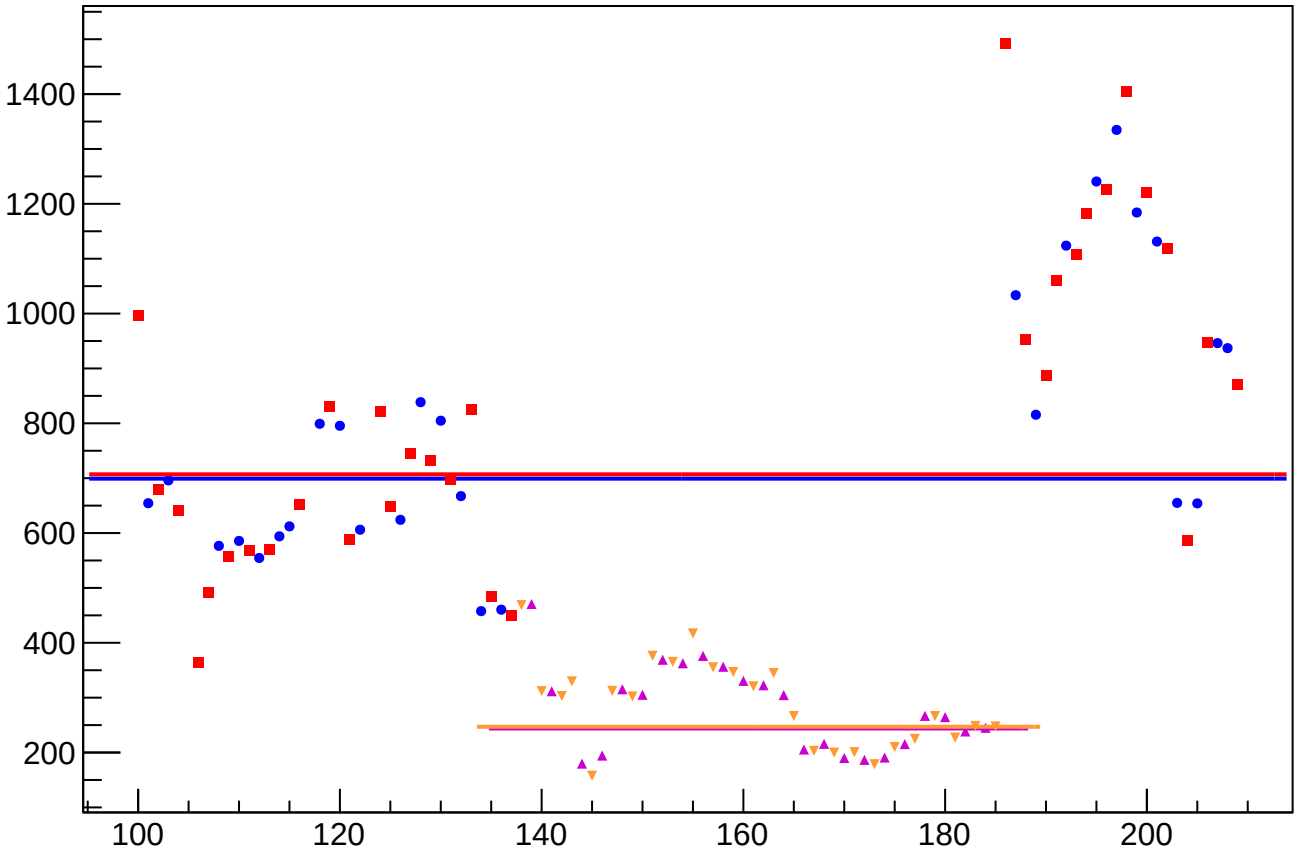
Left: -121.730+/-41.679 χ^2/NDF: 108.2/47

Right: 41.681+/-129.408 χ^2/NDF: 73.3/58

In: -20.992+/-56.561 χ^2/NDF:63.4/49

Out: -189.053+/-55.660 χ^2/NDF:114.9/56

All: -106.371+/-39.673 χ^2/NDF: 182.9/106



Right In: 699.138+/-0.131 χ^2/NDF: 2760281.1/26

Left Out: 246.995+/-0.041 χ^2/NDF:2925691.6/24

Right Out: 707.058+/-0.128 χ^2/NDF: 3725467.7/31

Left In: 243.825+/-0.042 χ^2/NDF:2490545.8/22

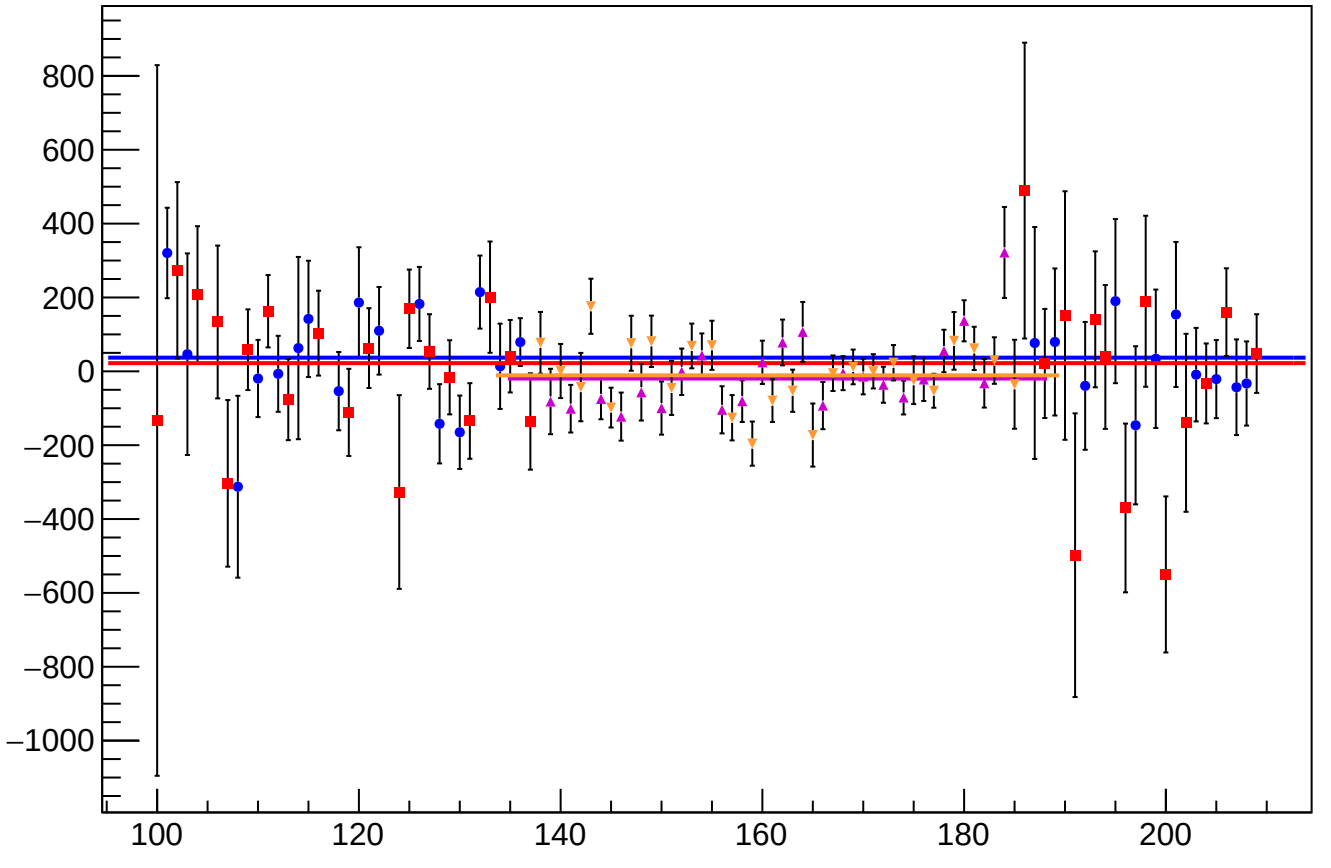
Left: 245.434+/-0.029 χ^2/NDF: 5419129.9/47

Right: 703.194+/-0.092 χ^2/NDF: 6487620.6/58

In: 286.258+/-0.040 χ^2/NDF:16203395.3/49

Out: 290.587+/-0.039 χ^2/NDF:18371064.9/56

All: 288.457+/-0.028 χ^2/NDF: 34580412.7/10



Right In: 37.017+/-24.248 χ^2/NDF: 26.1/26

Left Out: -10.822+/-12.306 χ^2/NDF:40.4/24

Right Out: 22.191+/-24.680 χ^2/NDF: 35.2/31

Left In: -19.598+/-12.546 χ^2/NDF:36.8/22

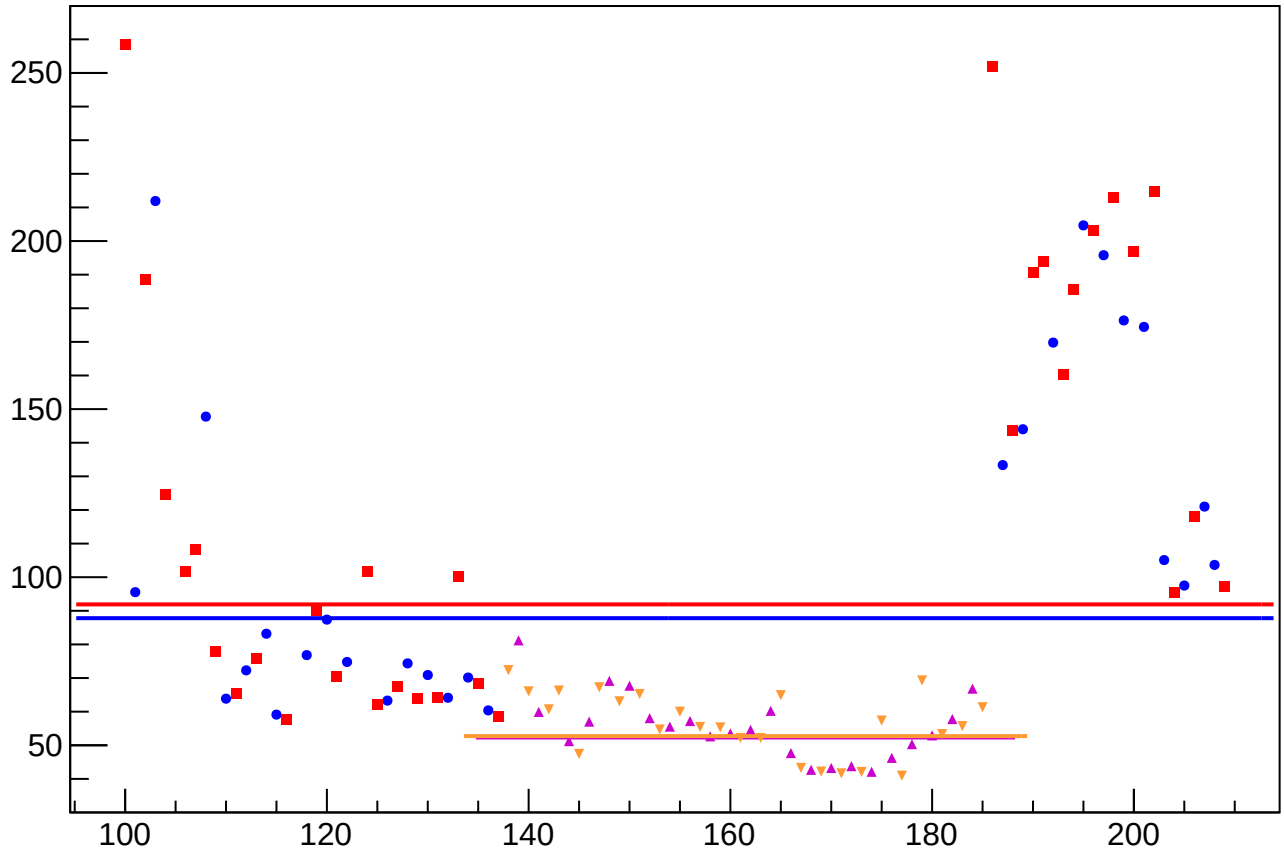
Left: -15.125+/-8.785 χ^2/NDF: 77.4/47

Right: 29.734+/-17.297 χ^2/NDF: 61.5/58

In: -7.643+/-11.143 χ^2/NDF:67.2/49

Out: -4.248+/-11.013 χ^2/NDF:77.1/56

All: -5.926+/-7.833 χ^2/NDF: 144.3/106



Right In: 87.811+/-0.017 χ^2/NDF: 4304154.1/26

Left Out: 52.731+/-0.009 χ^2/NDF:1167223.2/24

Right Out: 91.909+/-0.017 χ^2/NDF: 5532531.9/31

Left In: 52.314+/-0.009 χ^2/NDF:891856.0/22

Left: 52.526+/-0.006 χ^2/NDF: 2060206.1/47

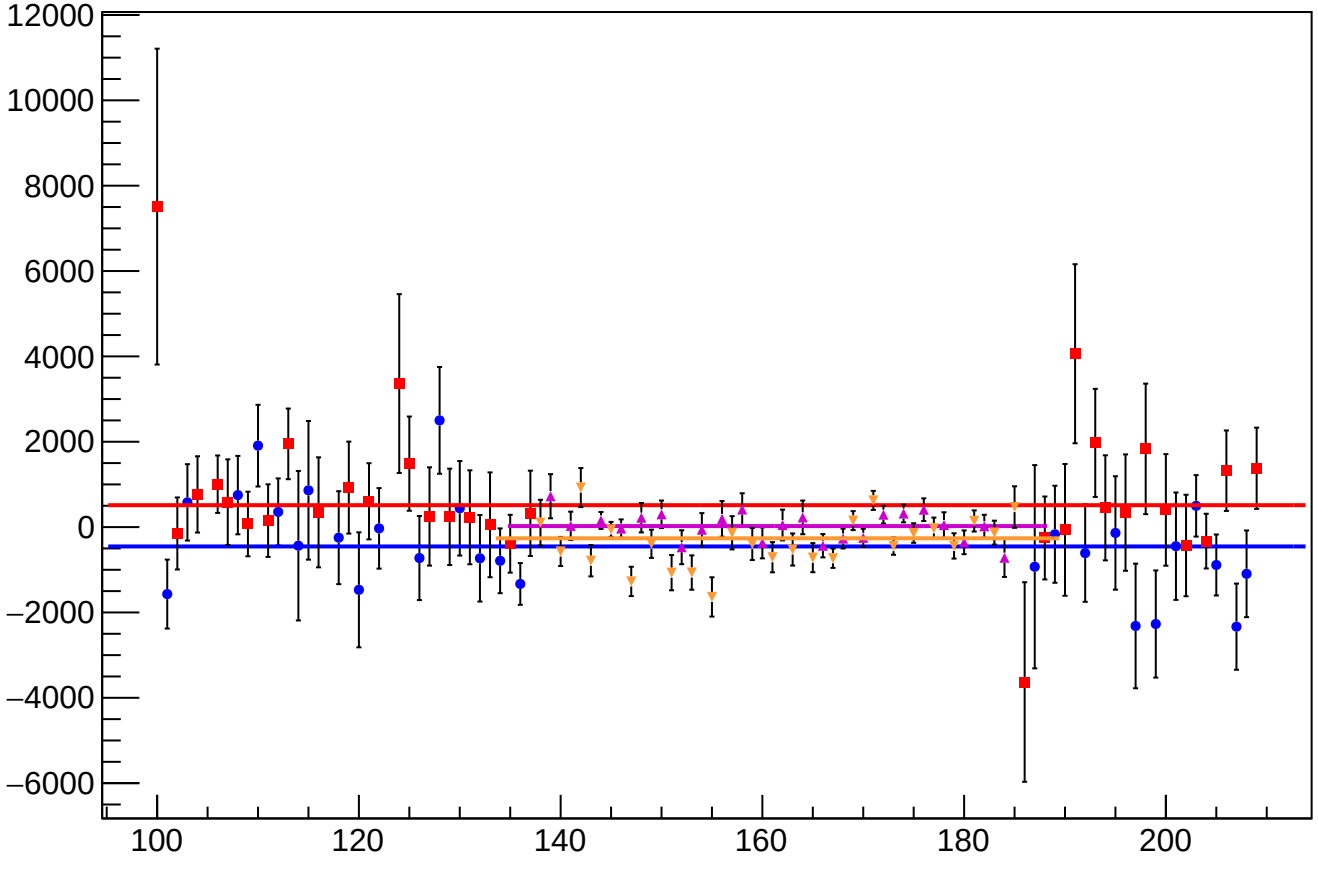
Right: 89.824+/-0.012 χ^2/NDF: 9864740.2/58

In: 59.810+/-0.008 χ^2/NDF:8576996.3/49

Out: 60.532+/-0.008 χ^2/NDF:10736232.6/56

All: 60.175+/-0.006 χ^2/NDF: 19317485.9/106

asym_sam_37_dd_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -453.610+/-185.278 χ^2/NDF: 33.2/26

Left Out: -262.582+/-58.501 χ^2/NDF:72.2/24

Right Out: 513.440+/-180.823 χ^2/NDF: 26.1/31

Left In: 23.469+/-59.397 χ^2/NDF:24.2/22

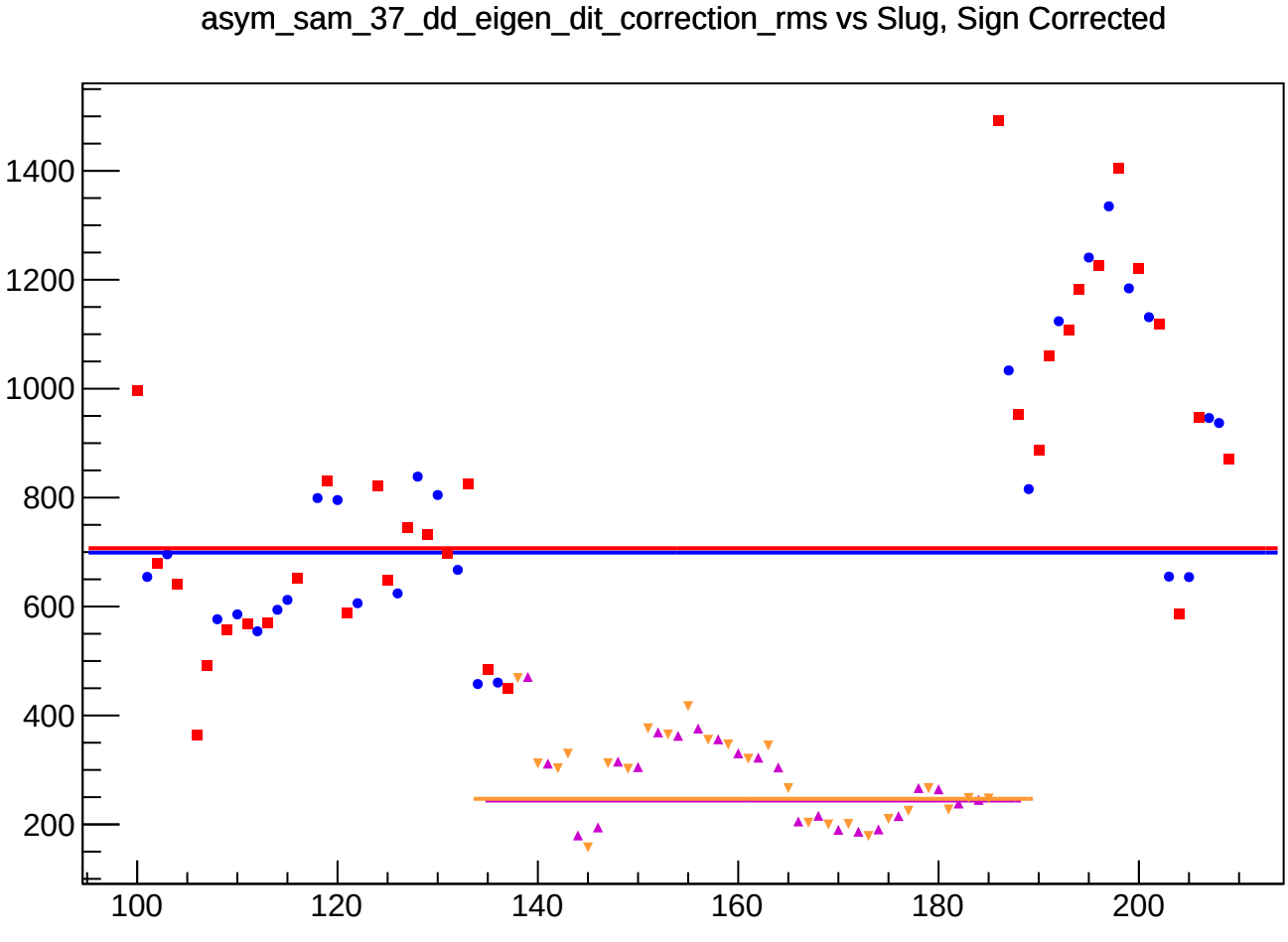
Left: -121.730+/-41.679 χ^2/NDF: 108.2/47

Right: 41.681+/-129.408 χ^2/NDF: 73.3/58

In: -20.992+/-56.561 χ^2/NDF:63.4/49

Out: -189.053+/-55.660 χ^2/NDF:114.9/56

All: -106.372+/-39.672 χ^2/NDF: 182.9/106



Right In: 699.138+/-0.131 χ^2/NDF: 2760267.7/26

Left Out: 246.995+/-0.041 χ^2/NDF:2925680.1/24

Right Out: 707.058+/-0.128 χ^2/NDF: 3725460.0/31

Left In: 243.825+/-0.042 χ^2/NDF:2490539.0/22

Left: 245.434+/-0.029 χ^2/NDF: 5419111.8/47

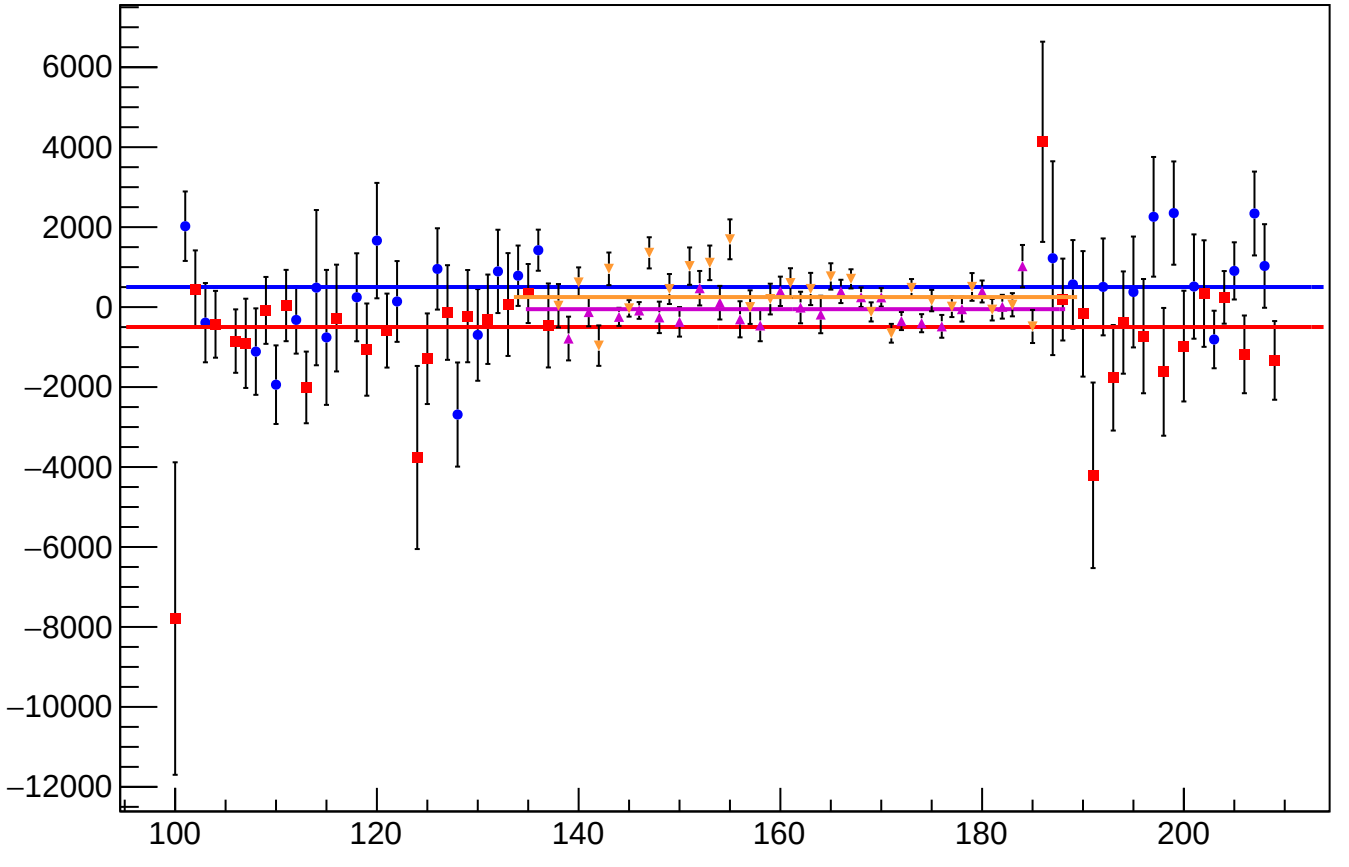
Right: 703.194+/-0.092 χ^2/NDF: 6487599.1/58

In: 286.257+/-0.040 χ^2/NDF:16203396.7/49

Out: 290.587+/-0.039 χ^2/NDF:18371046.6/56

All: 288.457+/-0.028 χ^2/NDF: 34580396.2/10

asym_sam_37_dd_mean vs Slug, Sign Corrected



Right In: 502.247+/-192.999 χ^2/NDF: 35.9/26

Left Out: 251.109+/-63.424 χ^2/NDF:67.5/24

Right Out: -497.988+/-191.718 χ^2/NDF: 23.6/31

Left In: -51.707+/-63.843 χ^2/NDF:26.8/22

Left: 100.699+/-44.995 χ^2/NDF: 105.7/47

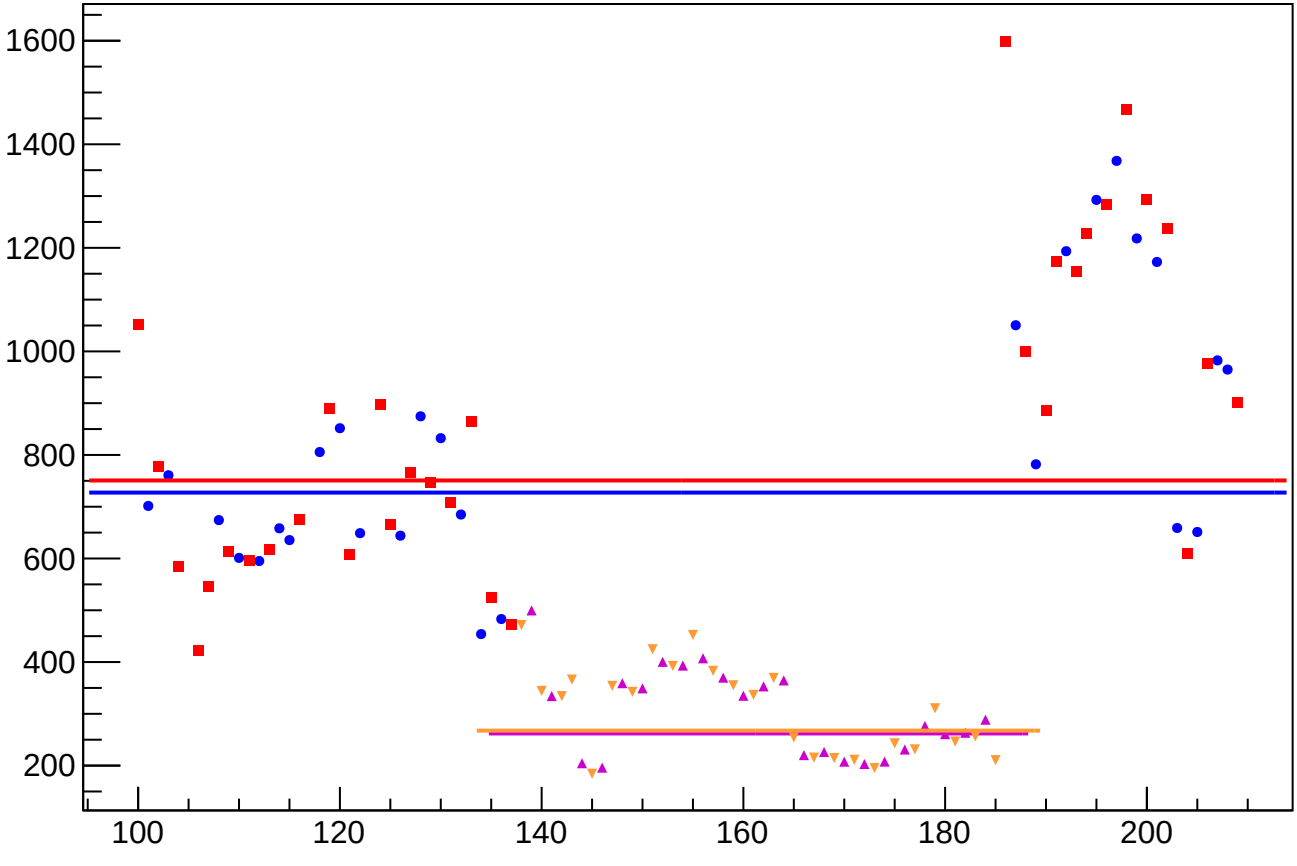
Right: -1.200+/-136.016 χ^2/NDF: 73.0/58

In: 2.931+/-60.613 χ^2/NDF:70.1/49

Out: 177.215+/-60.214 χ^2/NDF:104.9/56

All: 90.648+/-42.718 χ^2/NDF: 179.2/106

asym_sam_37_dd_rms vs Slug, Sign Corrected



Right In: 727.308+/-0.136 χ^2/NDF: 2728721.1/26

Left Out: 267.589+/-0.045 χ^2/NDF:2801460.2/24

Right Out: 750.720+/-0.136 χ^2/NDF: 3503381.6/31

Left In: 262.092+/-0.045 χ^2/NDF:2537465.8/22

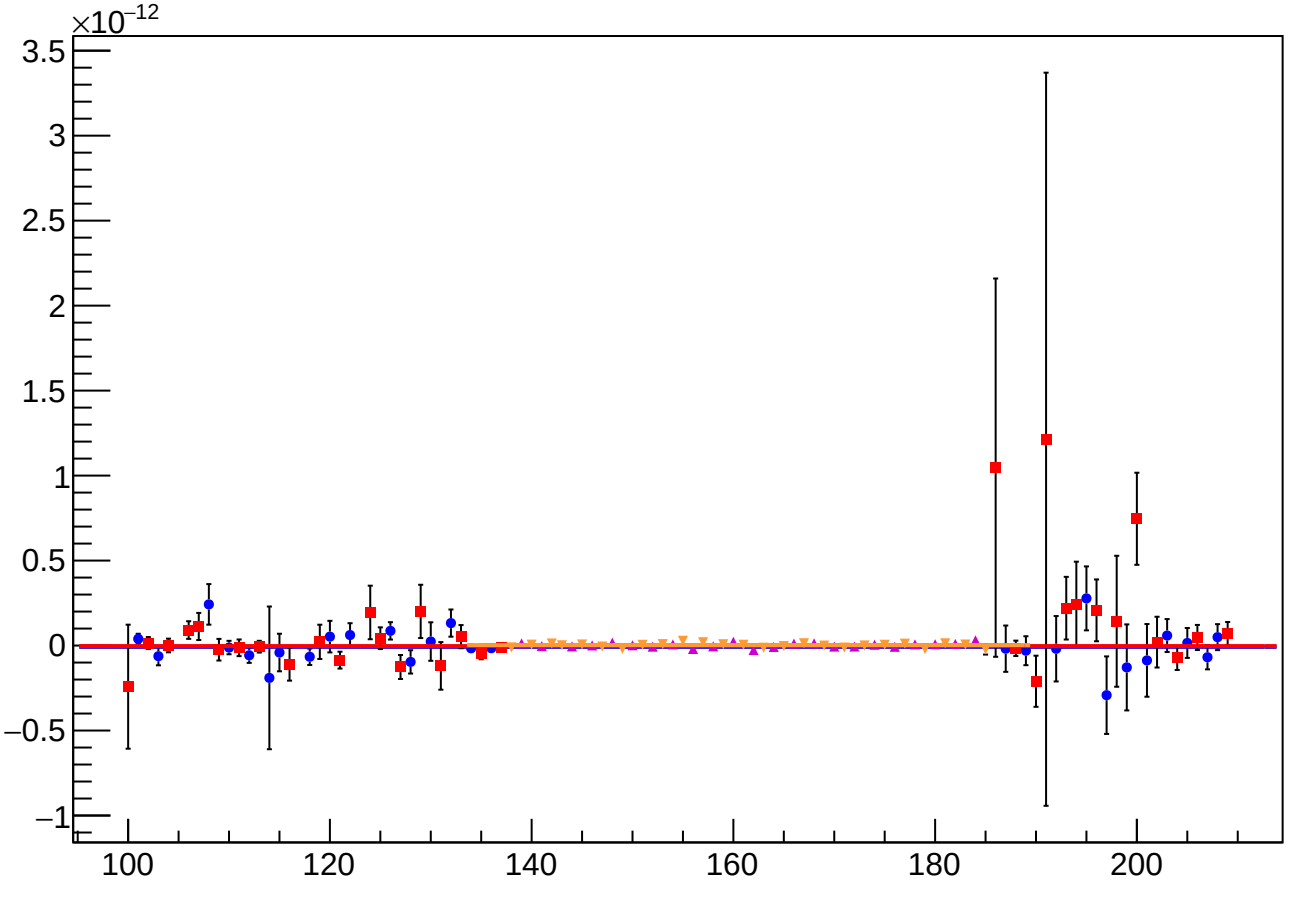
Left: 264.859+/-0.032 χ^2/NDF: 5346387.6/47

Right: 739.092+/-0.096 χ^2/NDF: 6246915.6/58

In: 307.978+/-0.043 χ^2/NDF:15740637.1/49

Out: 315.247+/-0.043 χ^2/NDF:17752821.7/56

All: 311.636+/-0.030 χ^2/NDF: 33507936.7/10



Right In: -0.000+/-0.000 χ^2/NDF: 27.1/26

Left Out: 0.000+/-0.000 χ^2/NDF:15.2/24

Right Out: -0.000+/-0.000 χ^2/NDF: 37.5/31

Left In: 0.000+/-0.000 χ^2/NDF:12.3/22

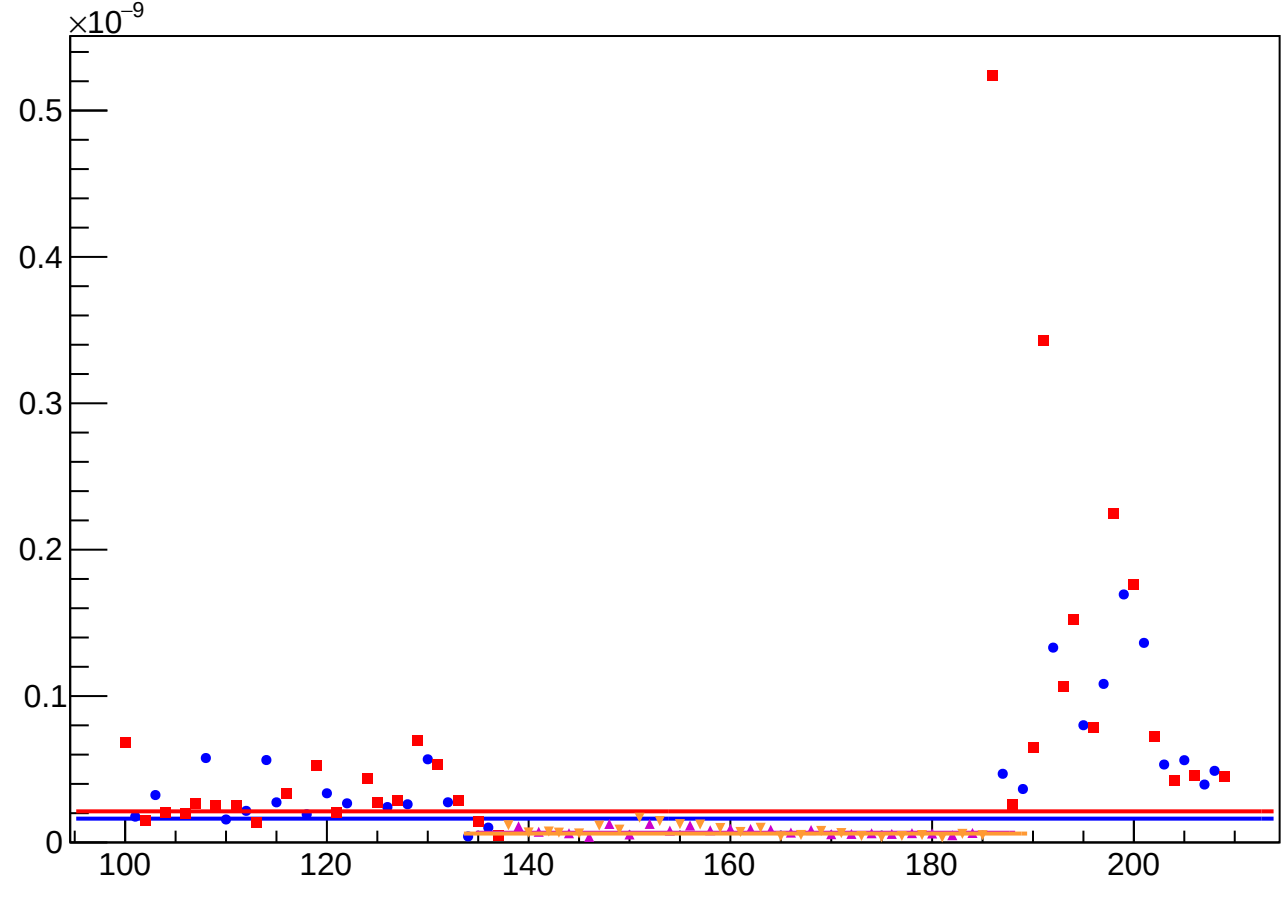
Left: 0.000+/-0.000 χ^2/NDF: 27.6/47

Right: -0.000+/-0.000 χ^2/NDF: 64.7/58

In: 0.000+/-0.000 χ^2/NDF:40.2/49

Out: 0.000+/-0.000 χ^2/NDF:53.0/56

All: 0.000+/-0.000 χ^2/NDF: 93.4/106



Right In: 0.000+/-0.000 χ^2/NDF: 6455880.3/26

Left Out: 0.000+/-0.000 χ^2/NDF:2413933.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 5807777.2/31

Left In: 0.000+/-0.000 χ^2/NDF:1176996.8/22

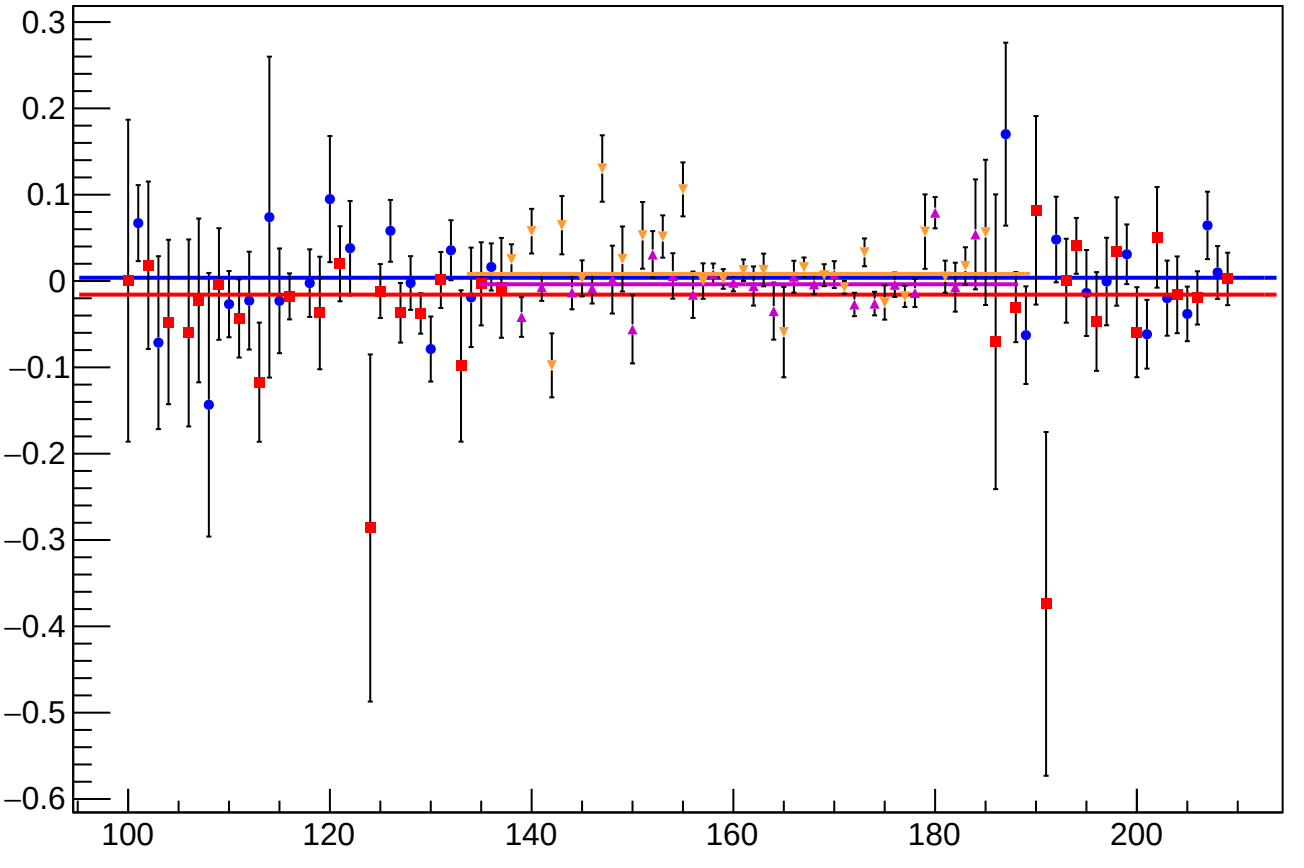
Left: 0.000+/-0.000 χ^2/NDF: 3636937.9/47

Right: 0.000+/-0.000 χ^2/NDF: 12518372.9/58

In: 0.000+/-0.000 χ^2/NDF:9729396.8/49

Out: 0.000+/-0.000 χ^2/NDF:12064767.3/56

All: 0.000+/-0.000 χ^2/NDF: 21847038.3/106



Right In: 0.004+/-0.008 χ^2/NDF: 27.7/26

Left Out: 0.008+/-0.003 χ^2/NDF:58.8/24

Right Out: -0.016+/-0.008 χ^2/NDF: 18.8/31

Left In: -0.004+/-0.004 χ^2/NDF:37.2/22

Left: 0.003+/-0.003 χ^2/NDF: 101.7/47

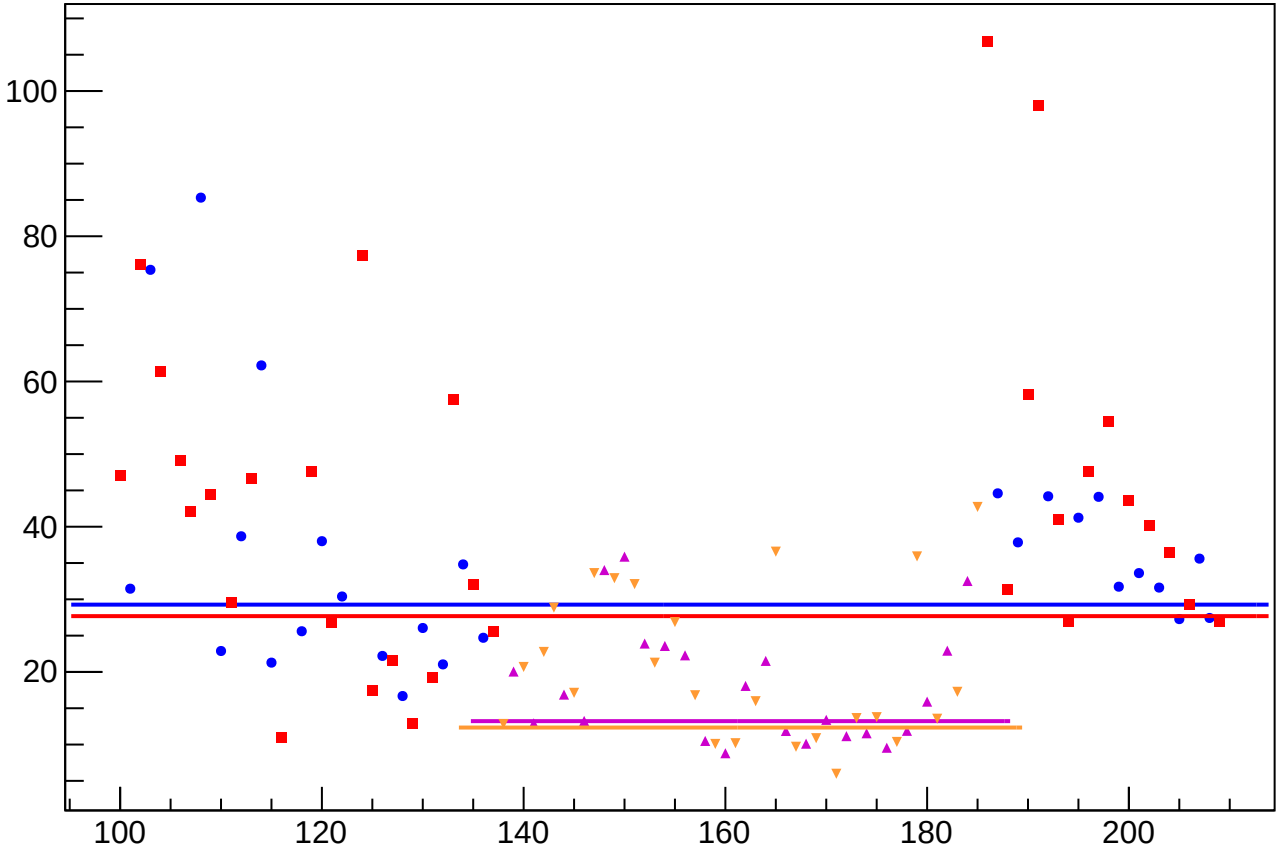
Right: -0.006+/-0.006 χ^2/NDF: 49.3/58

In: -0.003+/-0.003 χ^2/NDF:65.6/49

Out: 0.005+/-0.003 χ^2/NDF:84.9/56

All: 0.001+/-0.002 χ^2/NDF: 152.9/106

asym_sam_37_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 29.269+/-0.006 χ^2/NDF: 2223827.9/26

Left Out: 12.343+/-0.002 χ^2/NDF:6743594.0/24

Right Out: 27.686+/-0.006 χ^2/NDF: 5716139.3/31

Left In: 13.225+/-0.003 χ^2/NDF:3870352.4/22

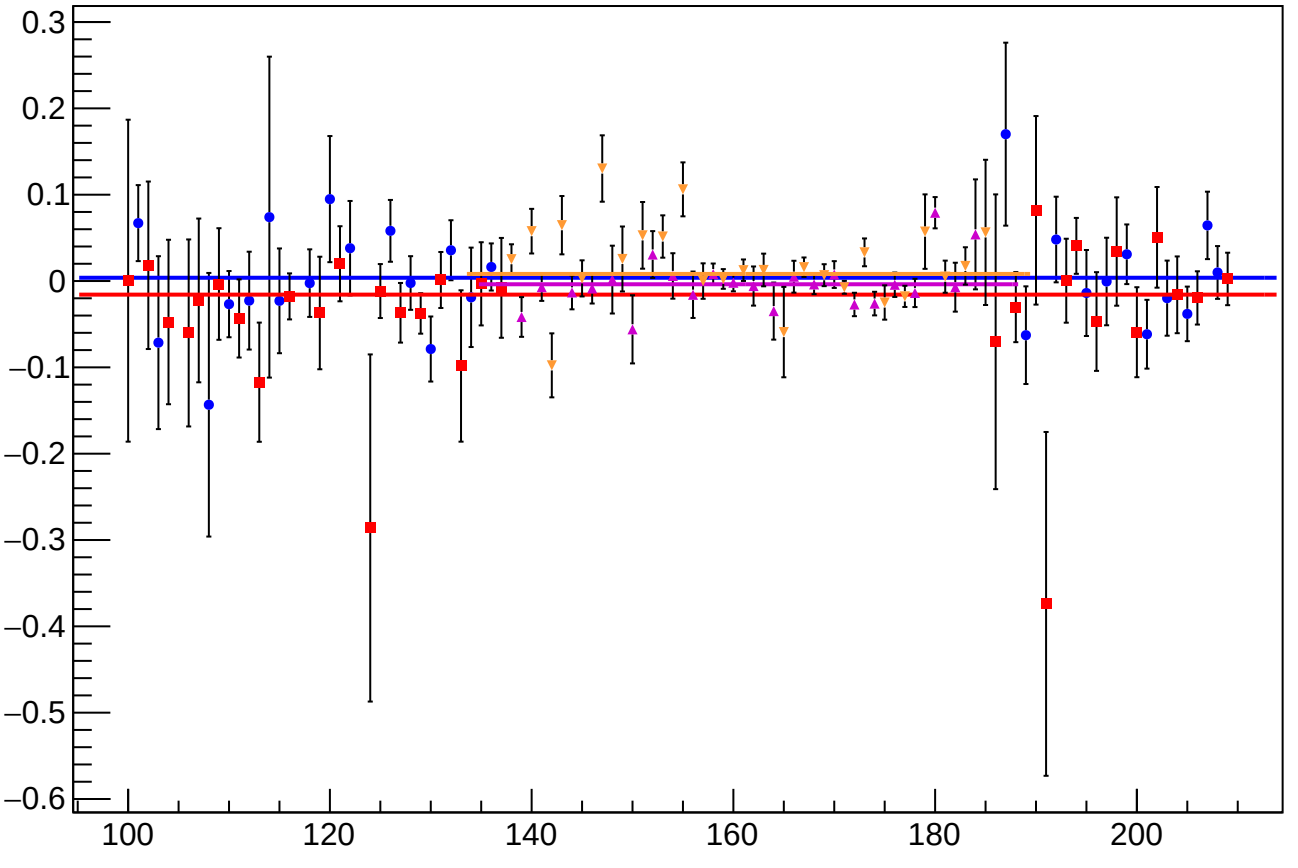
Left: 12.762+/-0.002 χ^2/NDF: 10675886.6/47

Right: 28.461+/-0.004 χ^2/NDF: 7976918.2/58

In: 15.794+/-0.002 χ^2/NDF:12337143.9/49

Out: 14.679+/-0.002 χ^2/NDF:18468622.7/56

All: 15.211+/-0.002 χ^2/NDF: 30922961.2/106



Right In: 0.004+/-0.008 χ^2/NDF: 27.7/26

Left Out: 0.008+/-0.003 χ^2/NDF:58.8/24

Right Out: -0.016+/-0.008 χ^2/NDF: 18.8/31

Left In: -0.004+/-0.004 χ^2/NDF:37.2/22

Left: 0.003+/-0.003 χ^2/NDF: 101.7/47

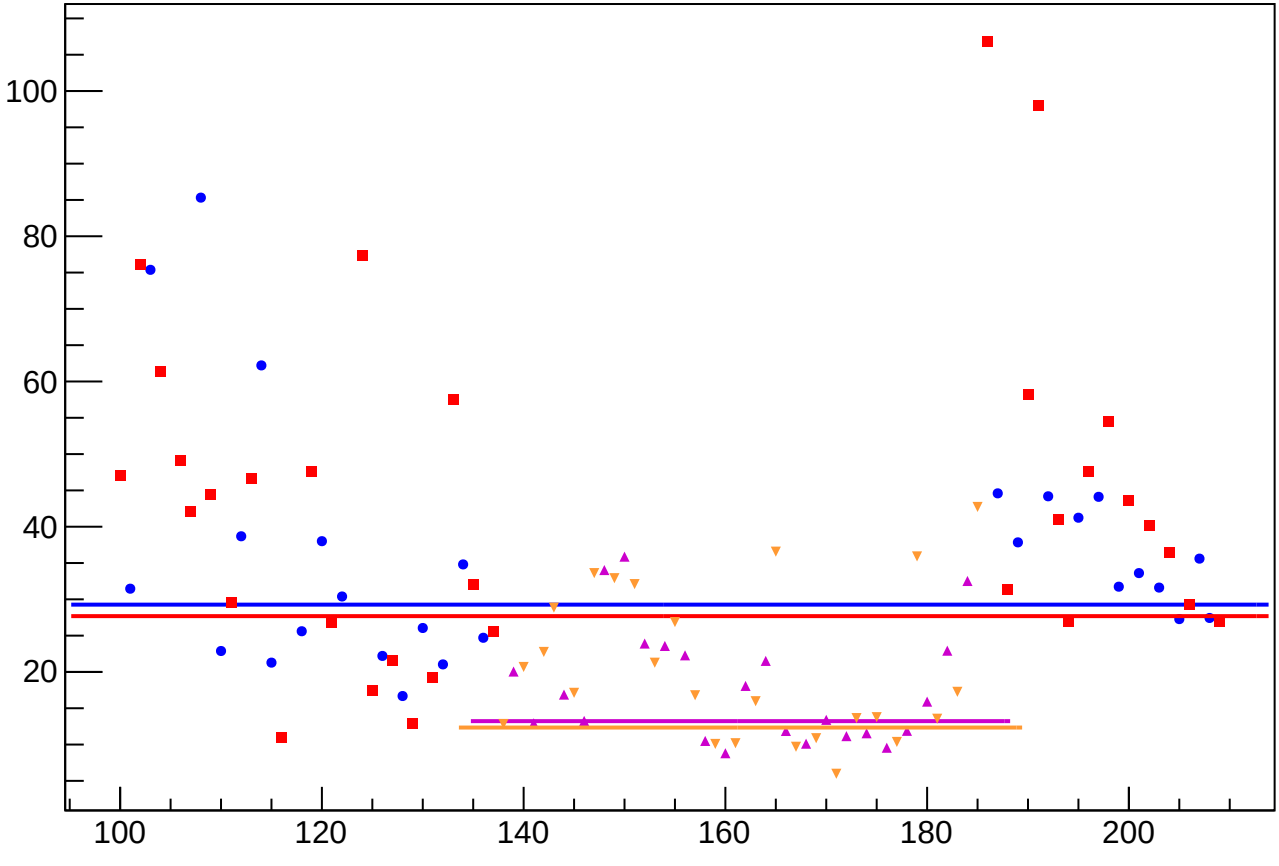
Right: -0.006+/-0.006 χ^2/NDF: 49.3/58

In: -0.003+/-0.003 χ^2/NDF:65.6/49

Out: 0.005+/-0.003 χ^2/NDF:84.9/56

All: 0.001+/-0.002 χ^2/NDF: 152.9/106

asym_sam_37_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 29.269+/-0.006 χ^2/NDF: 2223827.9/26

Left Out: 12.343+/-0.002 χ^2/NDF:6743594.0/24

Right Out: 27.686+/-0.006 χ^2/NDF: 5716139.3/31

Left In: 13.225+/-0.003 χ^2/NDF:3870352.4/22

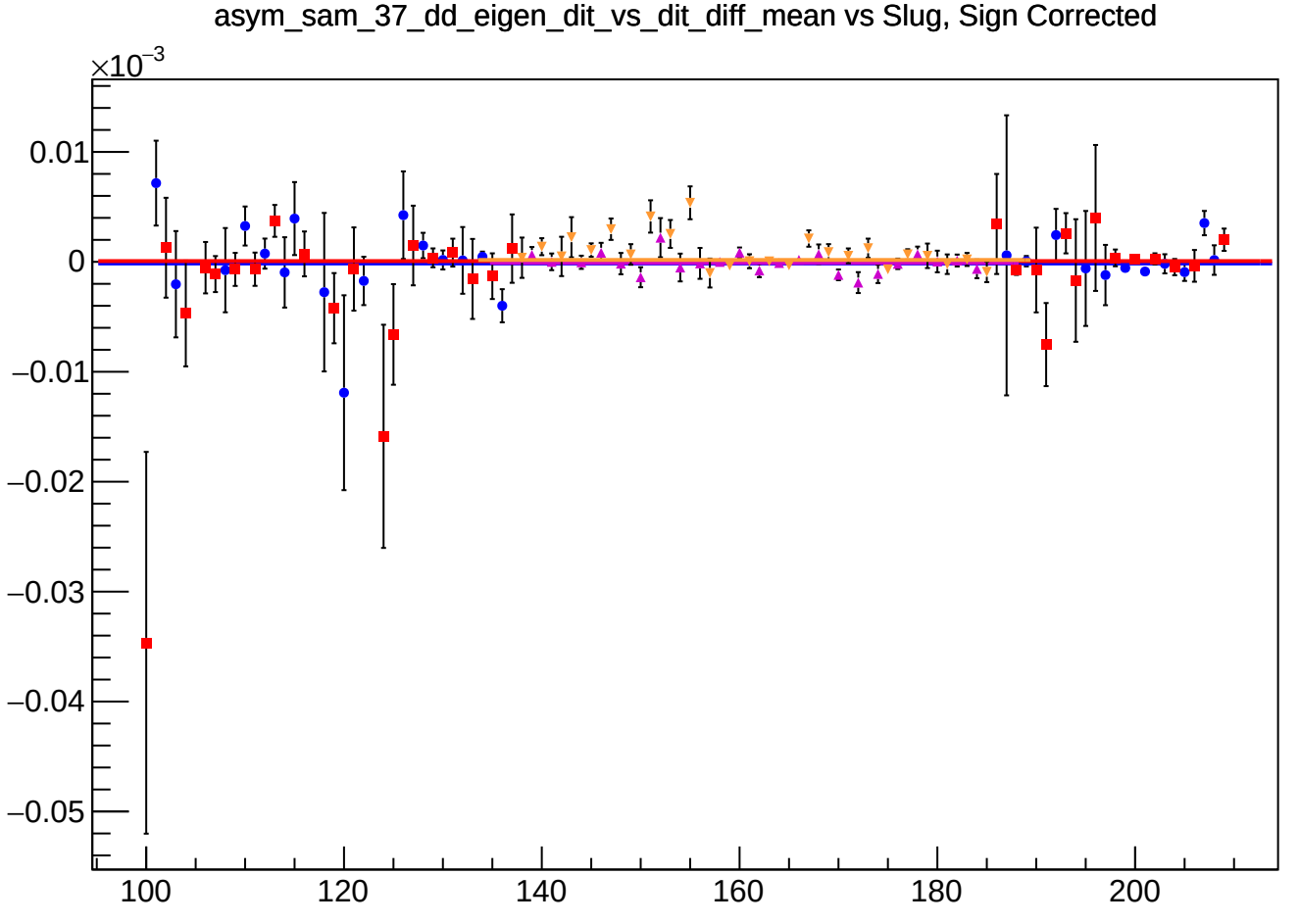
Left: 12.762+/-0.002 χ^2/NDF: 10675886.6/47

Right: 28.461+/-0.004 χ^2/NDF: 7976918.2/58

In: 15.794+/-0.002 χ^2/NDF:12337143.9/49

Out: 14.679+/-0.002 χ^2/NDF:18468622.7/56

All: 15.211+/-0.002 χ^2/NDF: 30922961.2/106



Right In: -0.000+/-0.000 χ^2/NDF: 41.7/26

Left Out: 0.000+/-0.000 χ^2/NDF:61.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 35.1/31

Left In: -0.000+/-0.000 χ^2/NDF:24.5/22

Left: 0.000+/-0.000 χ^2/NDF: 88.8/47

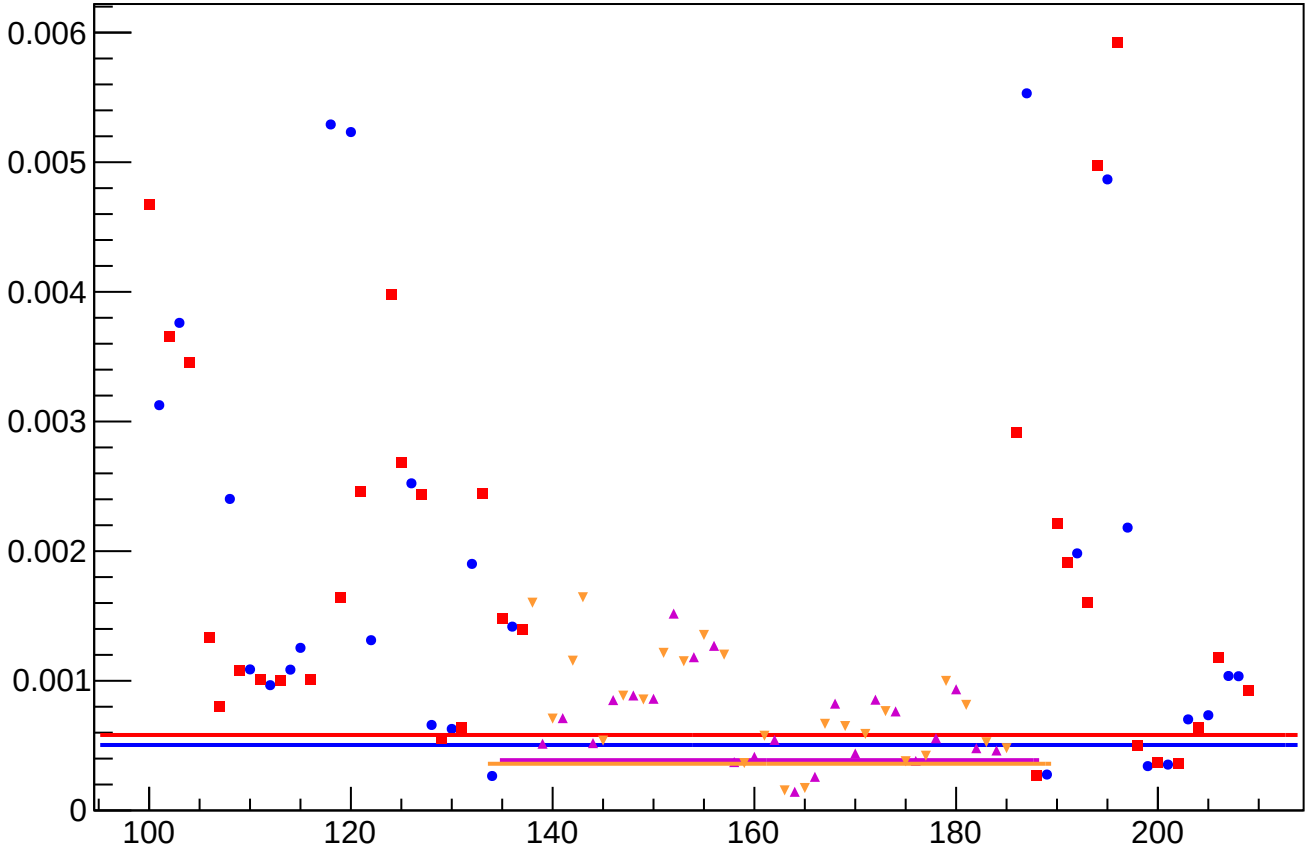
Right: -0.000+/-0.000 χ^2/NDF: 77.4/58

In: -0.000+/-0.000 χ^2/NDF:66.2/49

Out: 0.000+/-0.000 χ^2/NDF:96.8/56

All: 0.000+/-0.000 χ^2/NDF: 166.7/106

asym_sam_37_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.001+/-0.000 χ^2/NDF: 12334851.7/26

Left Out: 0.000+/-0.000 χ^2/NDF:14019628.7/24

Right Out: 0.001+/-0.000 χ^2/NDF: 12281733.4/31

Left In: 0.000+/-0.000 χ^2/NDF:10459340.6/22

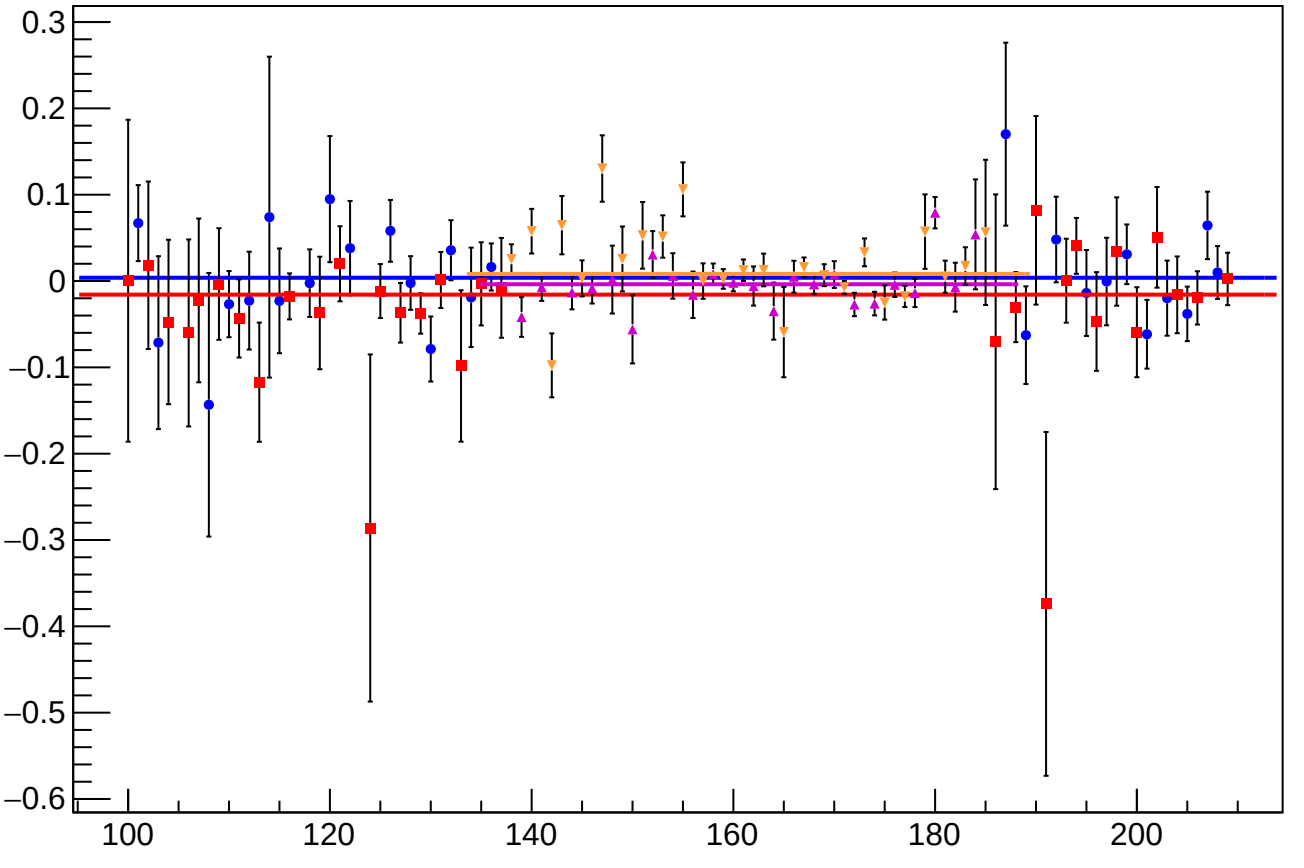
Left: 0.000+/-0.000 χ^2/NDF: 24545127.9/47

Right: 0.001+/-0.000 χ^2/NDF: 24784573.6/58

In: 0.000+/-0.000 χ^2/NDF:23414334.9/49

Out: 0.000+/-0.000 χ^2/NDF:28258459.1/56

All: 0.000+/-0.000 χ^2/NDF: 51691744.2/106



Right In: 0.004+/-0.008 χ^2/NDF: 27.7/26

Left Out: 0.008+/-0.003 χ^2/NDF:58.8/24

Right Out: -0.016+/-0.008 χ^2/NDF: 18.8/31

Left In: -0.004+/-0.004 χ^2/NDF:37.2/22

Left: 0.003+/-0.003 χ^2/NDF: 101.7/47

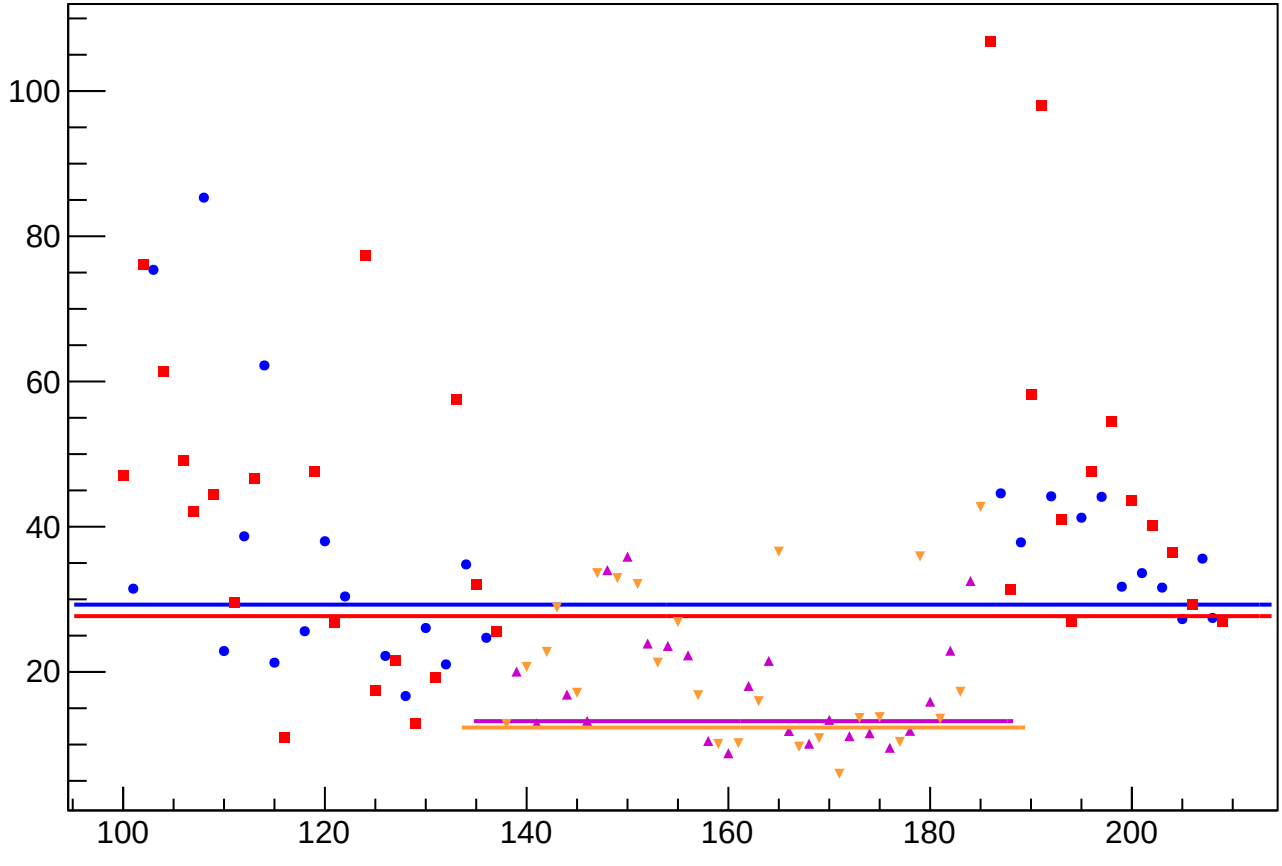
Right: -0.006+/-0.006 χ^2/NDF: 49.3/58

In: -0.003+/-0.003 χ^2/NDF:65.6/49

Out: 0.005+/-0.003 χ^2/NDF:84.9/56

All: 0.001+/-0.002 χ^2/NDF: 152.9/106

asym_sam_37_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 29.270+/-0.006 χ^2/NDF: 2223748.9/26

Left Out: 12.343+/-0.002 χ^2/NDF:6743823.4/24

Right Out: 27.686+/-0.006 χ^2/NDF: 5715815.0/31

Left In: 13.225+/-0.003 χ^2/NDF:3870507.9/22

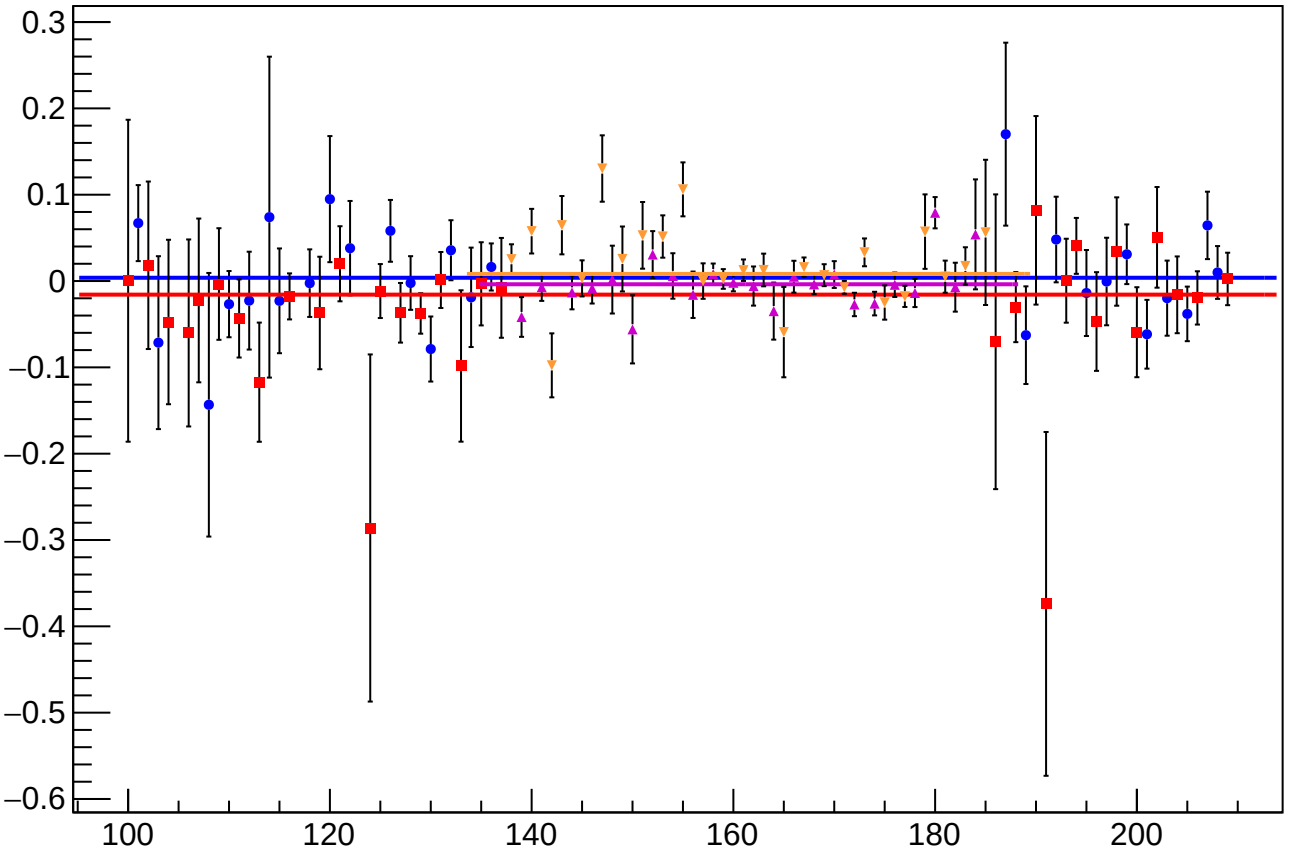
Left: 12.762+/-0.002 χ^2/NDF: 10676265.0/47

Right: 28.461+/-0.004 χ^2/NDF: 7976504.9/58

In: 15.794+/-0.002 χ^2/NDF:12337346.3/49

Out: 14.679+/-0.002 χ^2/NDF:18468740.8/56

All: 15.211+/-0.002 χ^2/NDF: 30923267.5/106



Right In: 0.004+/-0.008 χ^2/NDF: 27.7/26

Left Out: 0.008+/-0.003 χ^2/NDF:58.8/24

Right Out: -0.016+/-0.008 χ^2/NDF: 18.8/31

Left In: -0.004+/-0.004 χ^2/NDF:37.2/22

Left: 0.003+/-0.003 χ^2/NDF: 101.7/47

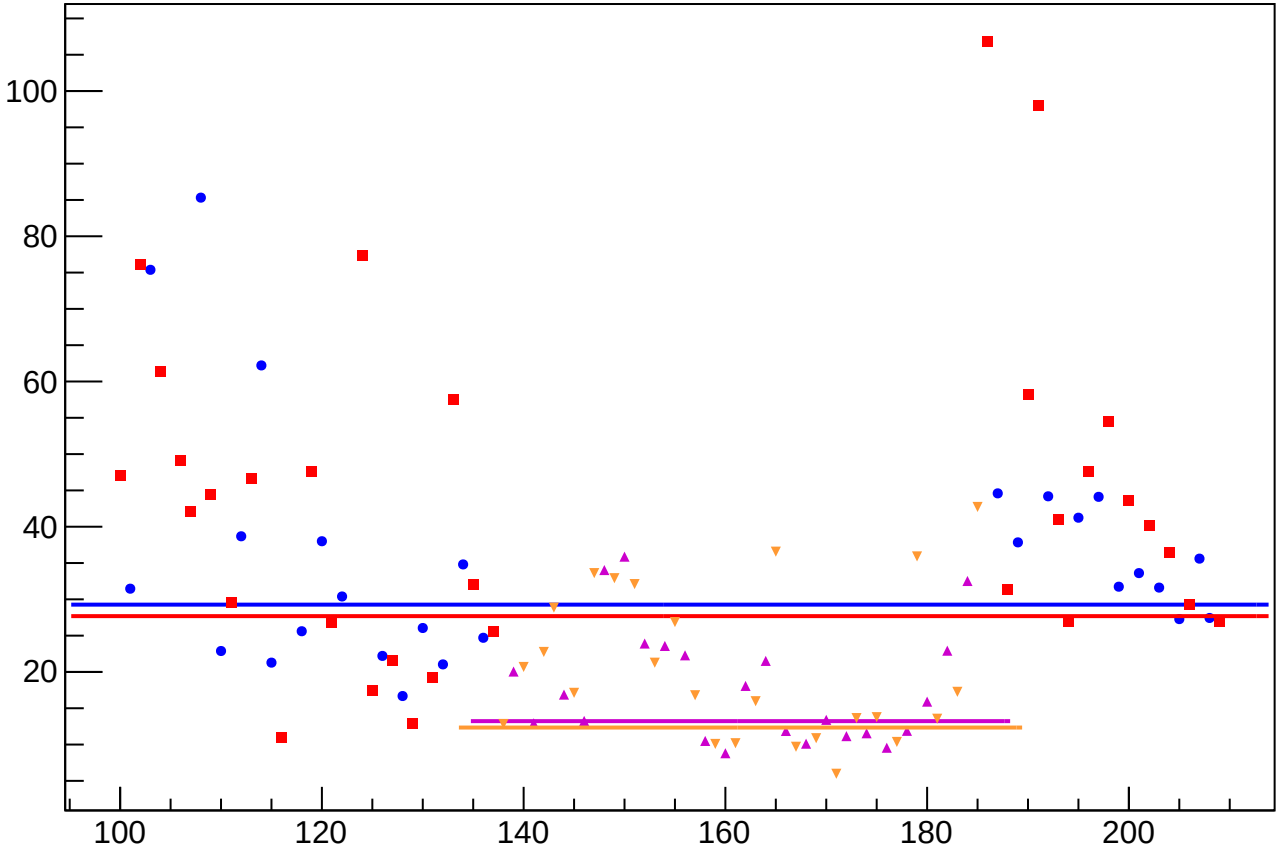
Right: -0.006+/-0.006 χ^2/NDF: 49.3/58

In: -0.003+/-0.003 χ^2/NDF:65.6/49

Out: 0.005+/-0.003 χ^2/NDF:84.9/56

All: 0.001+/-0.002 χ^2/NDF: 152.9/106

asym_sam_37_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 29.270+/-0.006 χ^2/NDF: 2223748.9/26

Left Out: 12.343+/-0.002 χ^2/NDF:6743823.4/24

Right Out: 27.686+/-0.006 χ^2/NDF: 5715815.0/31

Left In: 13.225+/-0.003 χ^2/NDF:3870507.9/22

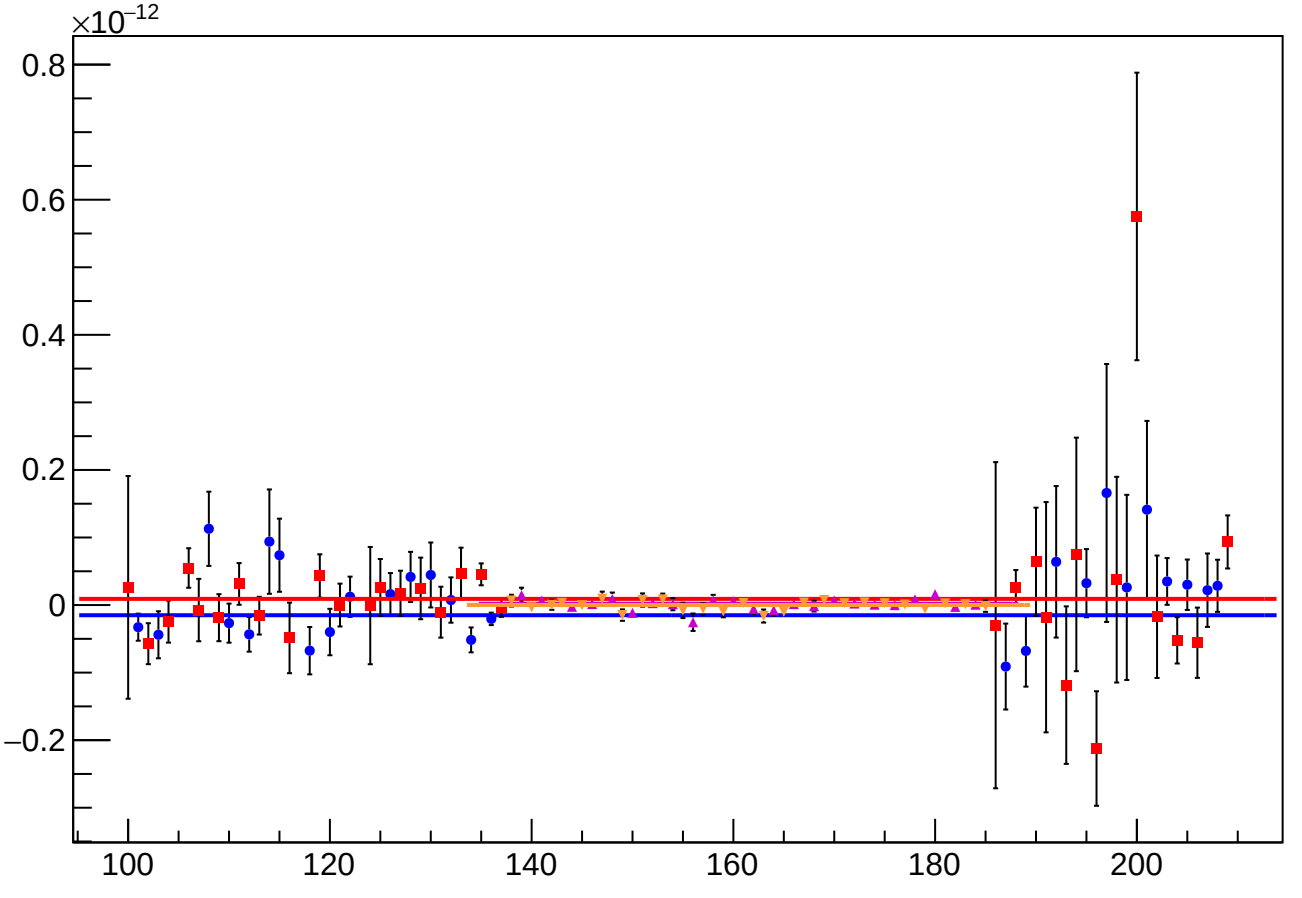
Left: 12.762+/-0.002 χ^2/NDF: 10676265.0/47

Right: 28.461+/-0.004 χ^2/NDF: 7976504.9/58

In: 15.794+/-0.002 χ^2/NDF:12337346.3/49

Out: 14.679+/-0.002 χ^2/NDF:18468740.8/56

All: 15.211+/-0.002 χ^2/NDF: 30923267.5/106



Right In: -0.000+/-0.000 χ^2/NDF: 37.7/26

Left Out: 0.000+/-0.000 χ^2/NDF:21.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 46.0/31

Left In: 0.000+/-0.000 χ^2/NDF:25.4/22

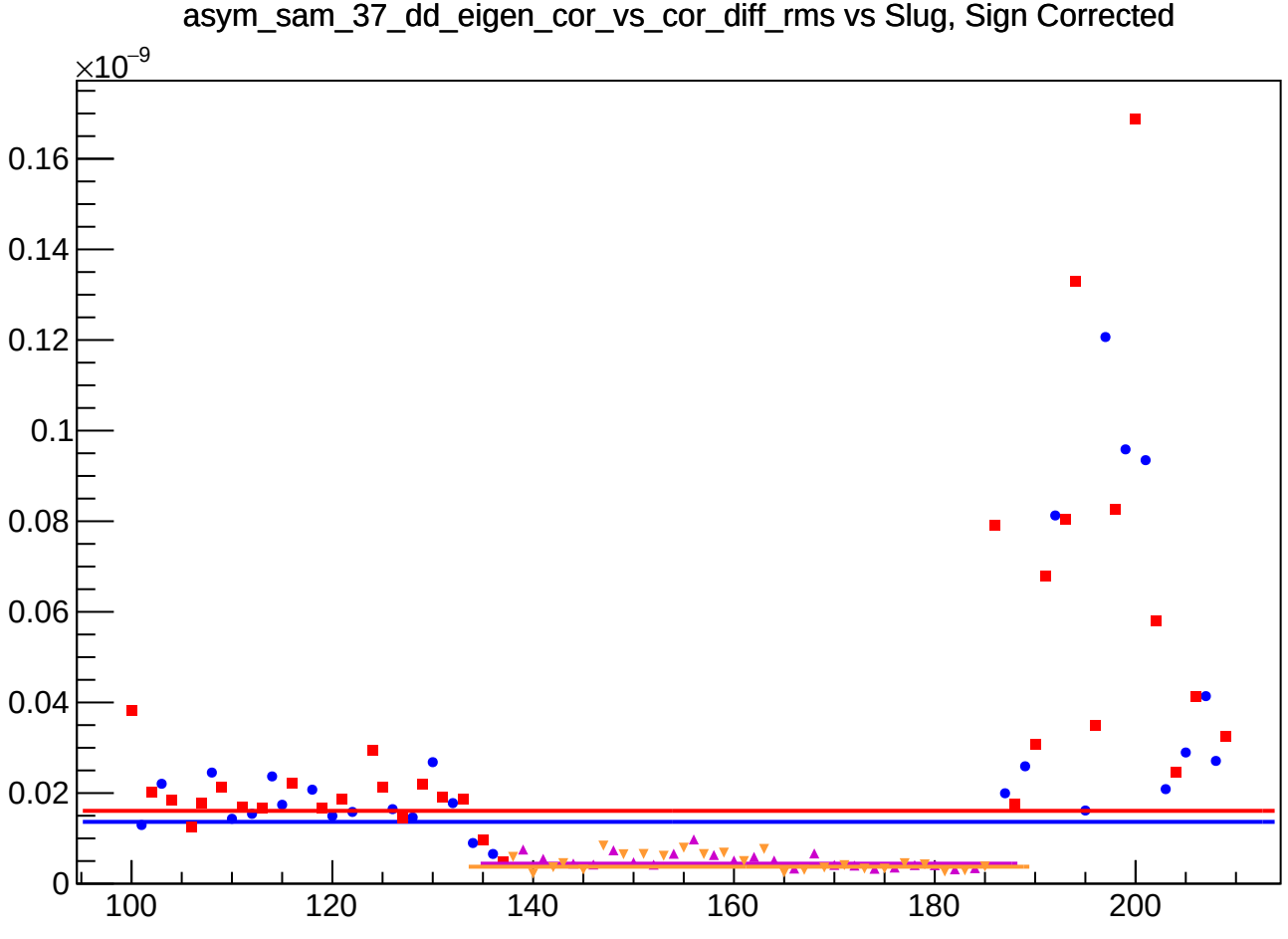
Left: 0.000+/-0.000 χ^2/NDF: 48.0/47

Right: -0.000+/-0.000 χ^2/NDF: 92.0/58

In: 0.000+/-0.000 χ^2/NDF:71.6/49

Out: 0.000+/-0.000 χ^2/NDF:69.6/56

All: 0.000+/-0.000 χ^2/NDF: 141.4/106



Right In: 0.000+/-0.000 χ^2/NDF: 5993144.9/26

Left Out: 0.000+/-0.000 χ^2/NDF:3083424.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 6776184.3/31

Left In: 0.000+/-0.000 χ^2/NDF:1736522.0/22

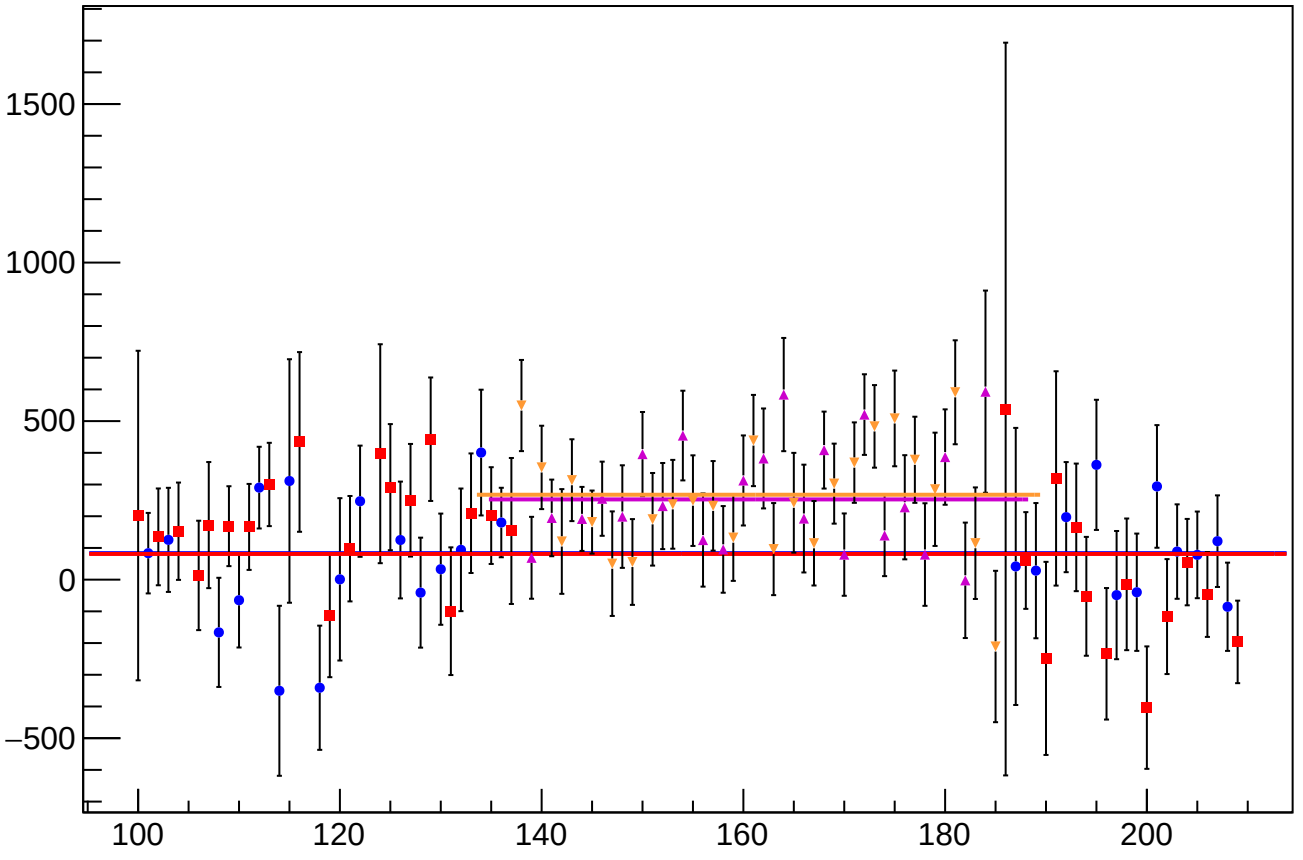
Left: 0.000+/-0.000 χ^2/NDF: 5111609.7/47

Right: 0.000+/-0.000 χ^2/NDF: 12936510.9/58

In: 0.000+/-0.000 χ^2/NDF:12783176.3/49

Out: 0.000+/-0.000 χ^2/NDF:17444589.5/56

All: 0.000+/-0.000 χ^2/NDF: 30591367.2/106



Right In: 83.536+/-32.861 χ^2/NDF: 24.3/26

Left Out: 267.782+/-28.407 χ^2/NDF:31.0/24

Right Out: 81.069+/-31.727 χ^2/NDF: 33.3/31

Left In: 253.048+/-29.313 χ^2/NDF:26.2/22

Left: 260.646+/-20.400 χ^2/NDF: 57.3/47

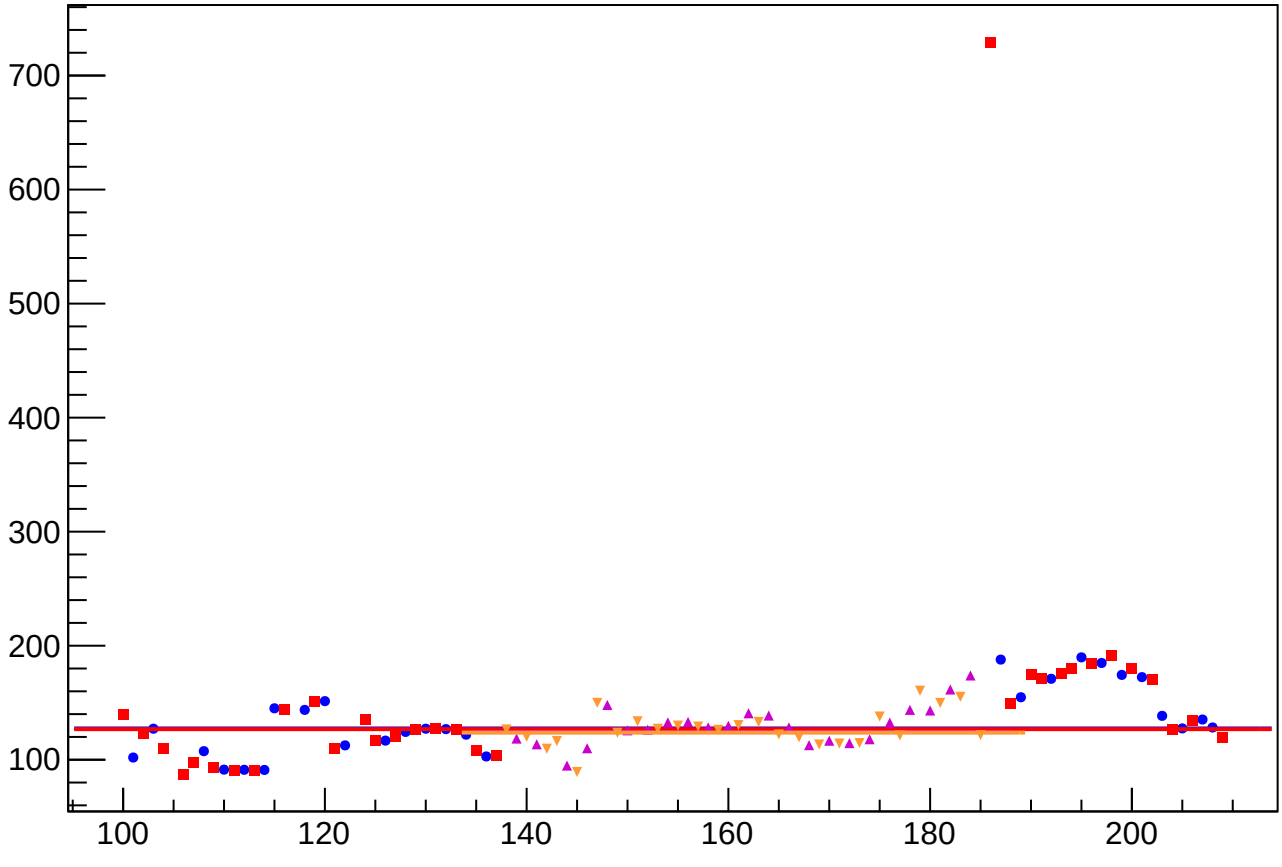
Right: 82.259+/-22.825 χ^2/NDF: 57.6/58

In: 177.935+/-21.875 χ^2/NDF:65.3/49

Out: 184.703+/-21.164 χ^2/NDF:83.5/56

All: 181.431+/-15.210 χ^2/NDF: 148.9/106

reg_asym_sam_48_dd_rms vs Slug, Sign Corrected



Right In: 127.401+/-0.023 χ^2/NDF: 1376220.5/26

Left Out: 123.807+/-0.020 χ^2/NDF:598444.2/24

Right Out: 126.823+/-0.022 χ^2/NDF: 2317450.2/31

Left In: 124.259+/-0.021 χ^2/NDF:557214.9/22

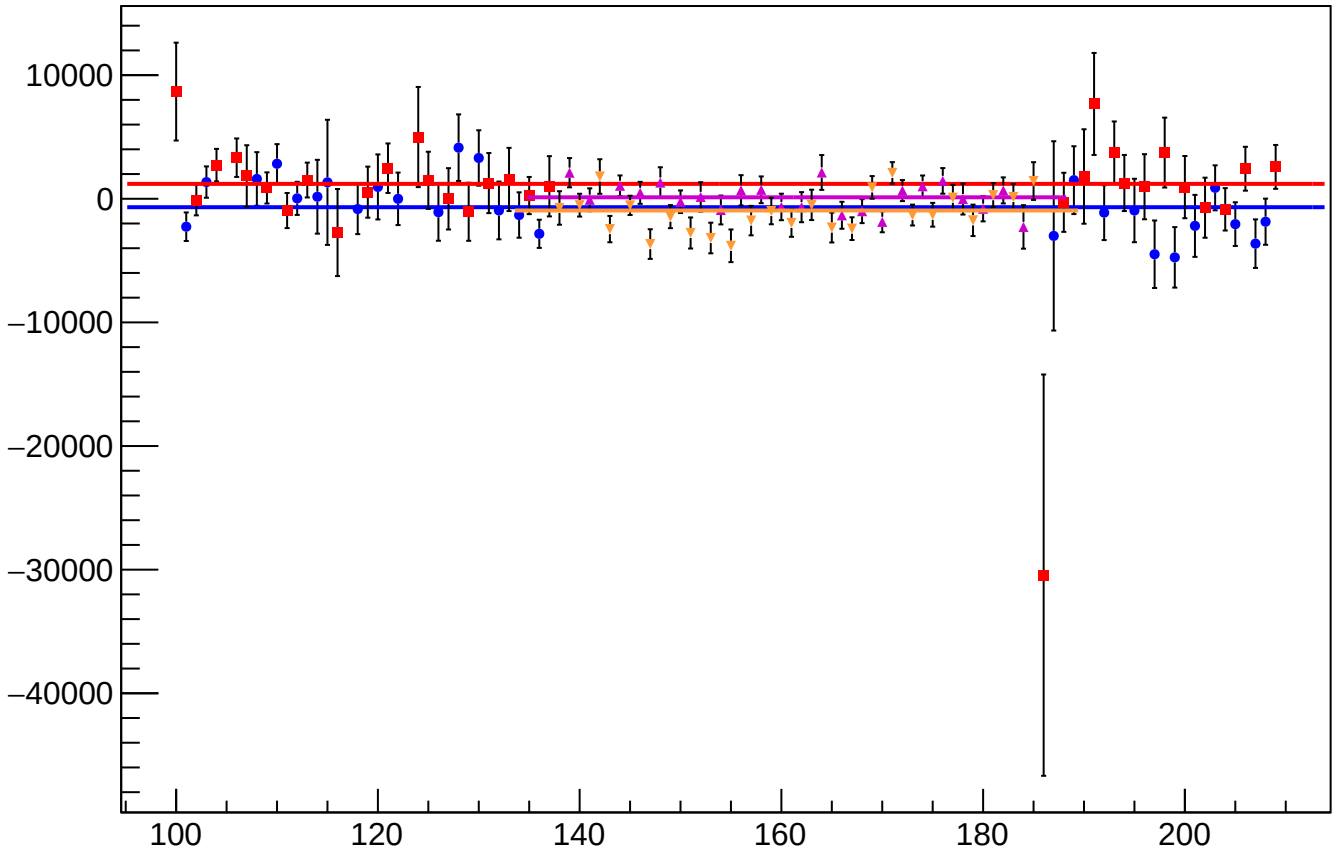
Left: 124.026+/-0.014 χ^2/NDF: 1155903.7/47

Right: 127.102+/-0.016 χ^2/NDF: 3693990.8/58

In: 125.651+/-0.015 χ^2/NDF:1943618.8/49

Out: 125.149+/-0.015 χ^2/NDF:2925924.3/56

All: 125.392+/-0.011 χ^2/NDF: 4870087.0/106



Right In: -682.107+/-372.479 χ^2/NDF: 31.4/26

Left Out: -947.720+/-211.794 χ^2/NDF:50.3/24

Right Out: 1205.273+/-357.561 χ^2/NDF: 26.3/31

Left In: 118.433+/-217.165 χ^2/NDF:24.4/22

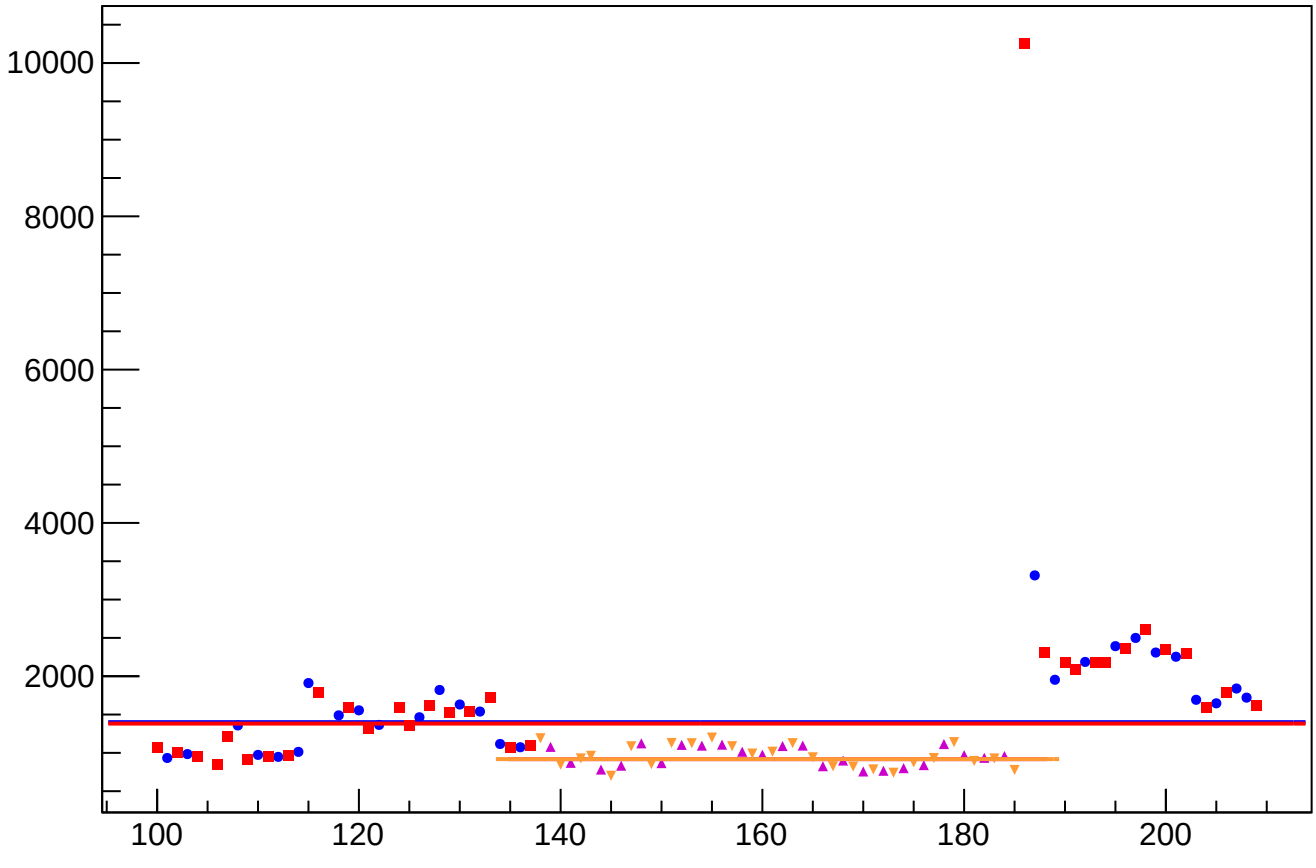
Left: -427.993+/-151.624 χ^2/NDF: 87.0/47

Right: 300.134+/-257.947 χ^2/NDF: 71.0/58

In: -84.654+/-187.608 χ^2/NDF:59.2/49

Out: -388.531+/-182.225 χ^2/NDF:103.4/56

All: -241.014+/-130.714 χ^2/NDF: 164.0/106



Right In: 1400.731+/-0.263 χ^2/NDF: 3109294.0/26

Left Out: 918.501+/-0.150 χ^2/NDF:887820.0/24

Right Out: 1382.087+/-0.253 χ^2/NDF: 4440826.0/31

Left In: 918.214+/-0.154 χ^2/NDF:666262.3/22

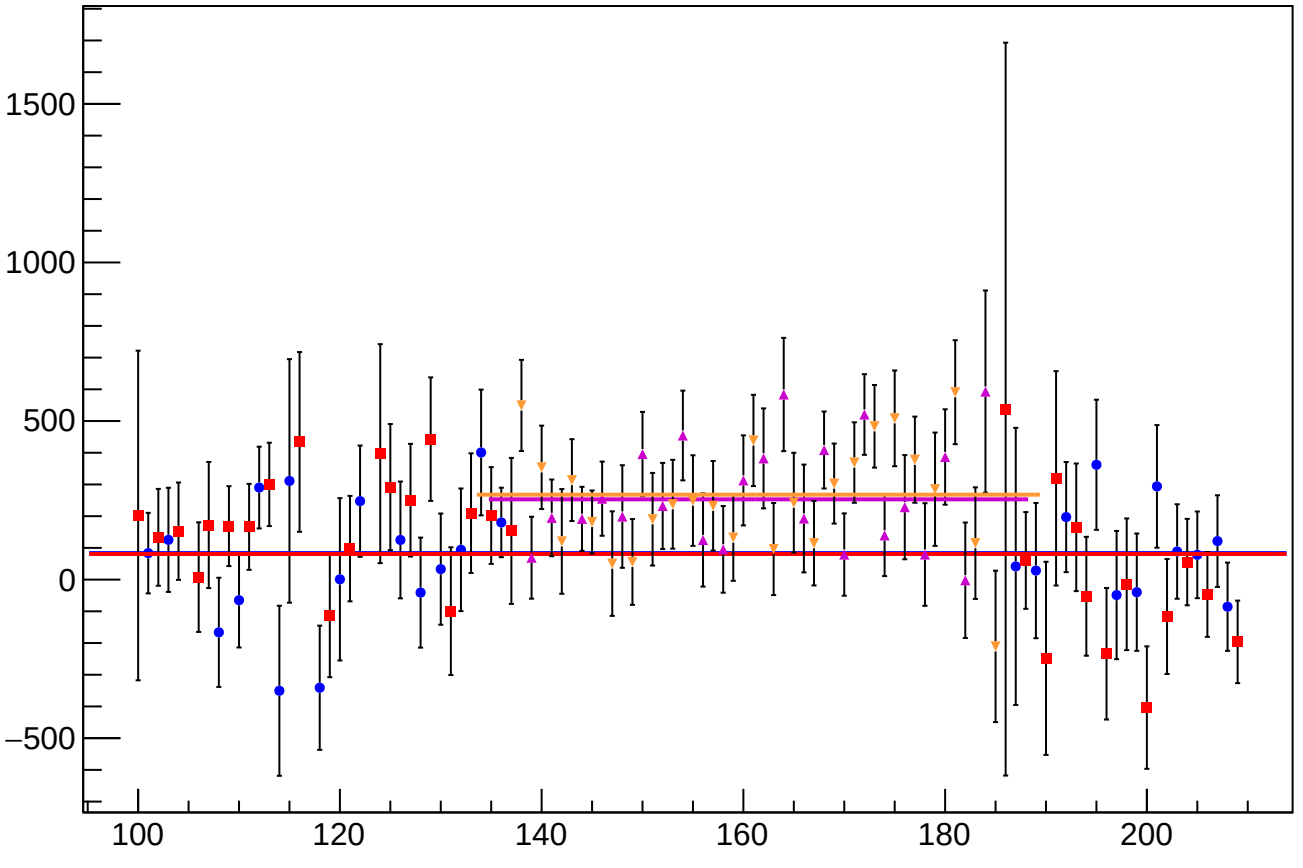
Left: 918.361+/-0.107 χ^2/NDF: 1554084.1/47

Right: 1391.028+/-0.182 χ^2/NDF: 7552727.7/58

In: 1040.622+/-0.133 χ^2/NDF:6280348.4/49

Out: 1038.907+/-0.129 χ^2/NDF:7817391.6/56

All: 1039.740+/-0.092 χ^2/NDF: 14097826.1/1



Right In: 83.528+/-32.861 χ^2/NDF: 24.3/26

Left Out: 267.791+/-28.407 χ^2/NDF:31.0/24

Right Out: 80.821+/-31.730 χ^2/NDF: 33.3/31

Left In: 253.051+/-29.313 χ^2/NDF:26.2/22

Left: 260.652+/-20.400 χ^2/NDF: 57.3/47

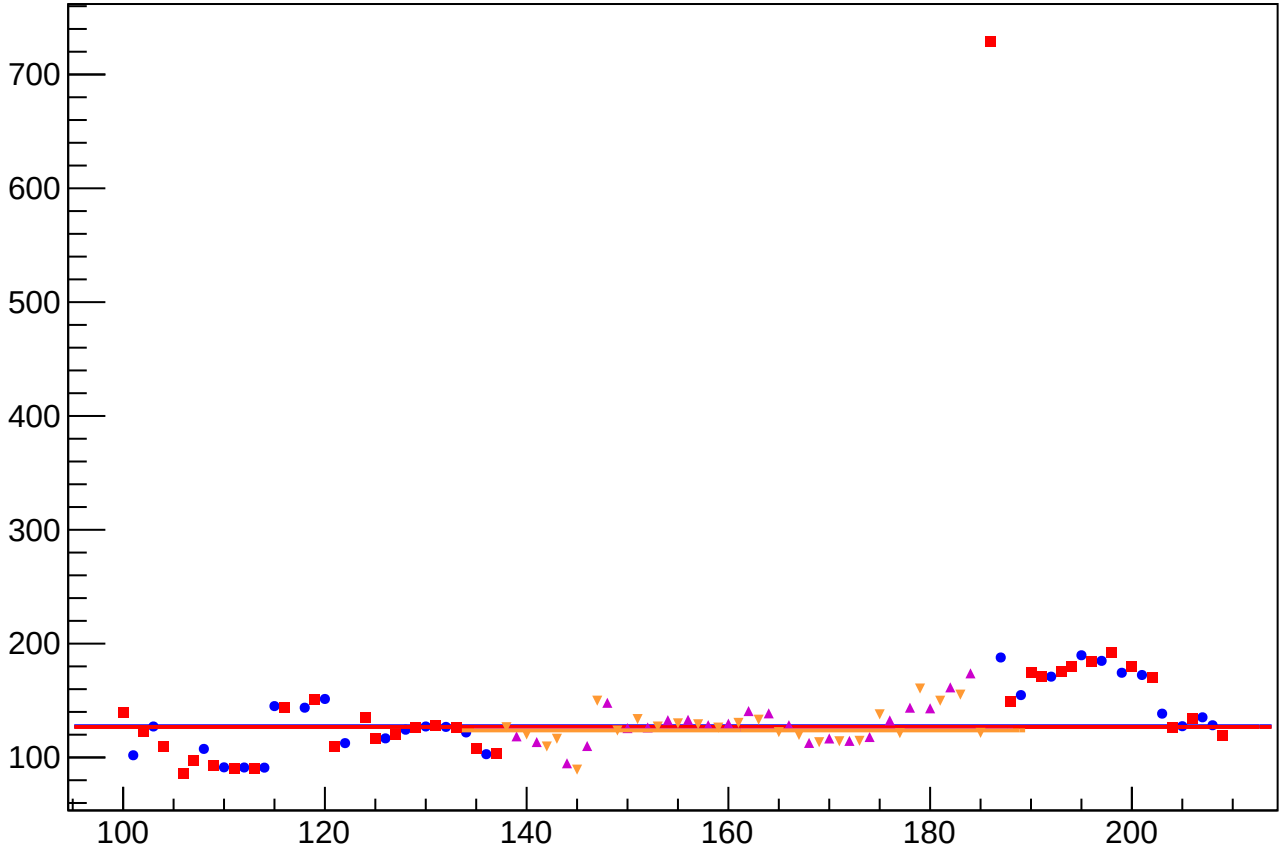
Right: 82.127+/-22.826 χ^2/NDF: 57.6/58

In: 177.933+/-21.875 χ^2/NDF:65.3/49

Out: 184.605+/-21.165 χ^2/NDF:83.6/56

All: 181.379+/-15.211 χ^2/NDF: 149.0/106

cor_asym_sam_48_dd_rms vs Slug, Sign Corrected



Right In: 127.401+/-0.023 χ^2/NDF: 1376220.5/26

Left Out: 123.807+/-0.020 χ^2/NDF:598444.2/24

Right Out: 126.792+/-0.022 χ^2/NDF: 2323215.7/31

Left In: 124.259+/-0.021 χ^2/NDF:557214.9/22

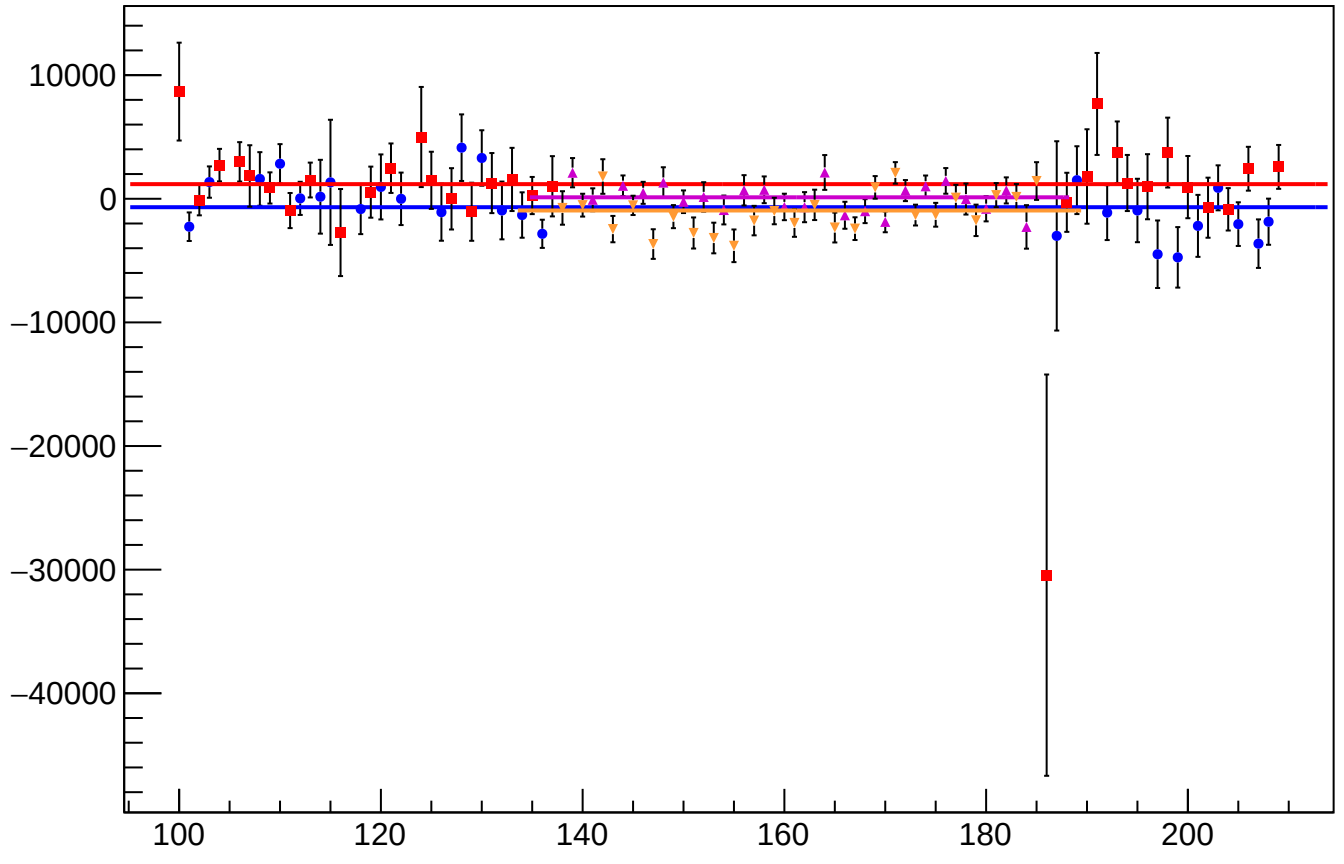
Left: 124.026+/-0.014 χ^2/NDF: 1155903.8/47

Right: 127.086+/-0.016 χ^2/NDF: 3699791.9/58

In: 125.651+/-0.015 χ^2/NDF:1943619.0/49

Out: 125.135+/-0.015 χ^2/NDF:2931482.0/56

All: 125.385+/-0.011 χ^2/NDF: 4875675.7/106



Right In: -682.173+/-372.481 χ^2/NDF: 31.4/26

Left Out: -947.709+/-211.794 χ^2/NDF:50.3/24

Right Out: 1183.550+/-358.005 χ^2/NDF: 25.7/31

Left In: 118.435+/-217.165 χ^2/NDF:24.4/22

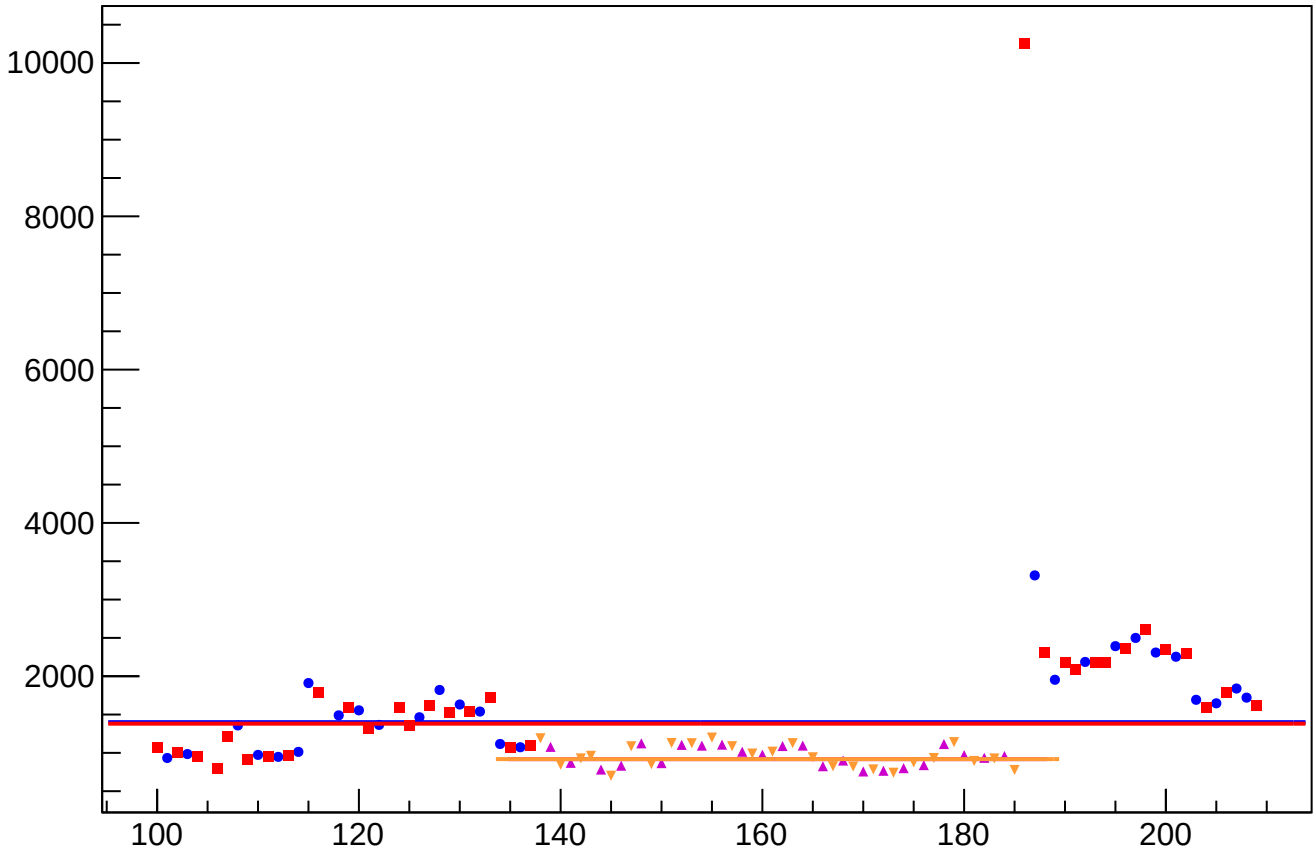
Left: -427.986+/-151.624 χ^2/NDF: 87.0/47

Right: 287.647+/-258.114 χ^2/NDF: 70.1/58

In: -84.667+/-187.608 χ^2/NDF:59.2/49

Out: -395.180+/-182.284 χ^2/NDF:102.2/56

All: -244.392+/-130.736 χ^2/NDF: 162.8/106



Right In: 1400.740+/-0.263 χ^2/NDF: 3109208.4/26

Left Out: 918.501+/-0.150 χ^2/NDF:887819.5/24

Right Out: 1380.881+/-0.253 χ^2/NDF: 4474186.1/31

Left In: 918.214+/-0.154 χ^2/NDF:666263.4/22

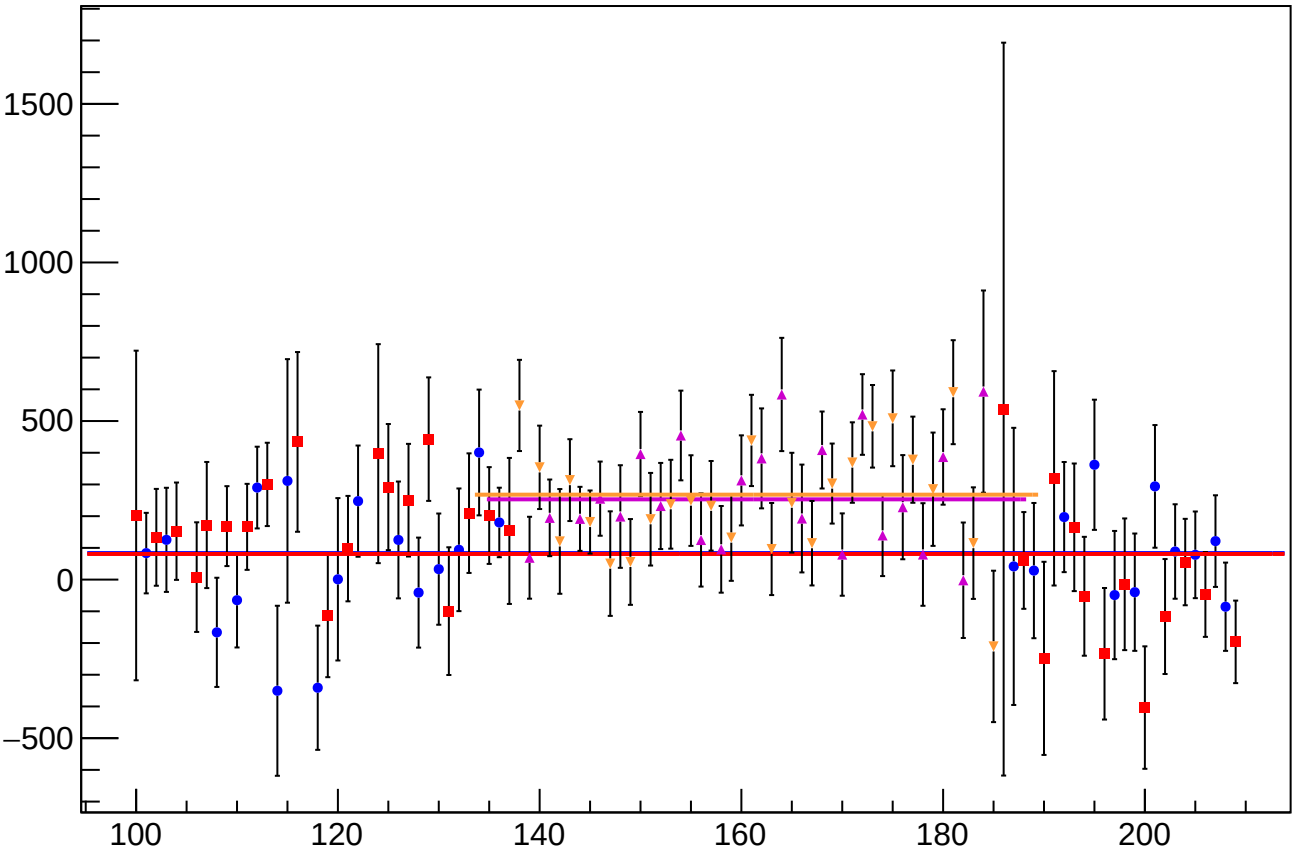
Left: 918.361+/-0.107 χ^2/NDF: 1554084.7/47

Right: 1390.417+/-0.183 χ^2/NDF: 7586349.8/58

In: 1040.624+/-0.133 χ^2/NDF:6280339.3/49

Out: 1038.373+/-0.129 χ^2/NDF:7833271.3/56

All: 1039.466+/-0.092 χ^2/NDF: 14113758.7/1



Right In: 83.528+/-32.861 χ^2/NDF: 24.3/26

Left Out: 267.791+/-28.407 χ^2/NDF:31.0/24

Right Out: 80.821+/-31.730 χ^2/NDF: 33.3/31

Left In: 253.051+/-29.313 χ^2/NDF:26.2/22

Left: 260.652+/-20.400 χ^2/NDF: 57.3/47

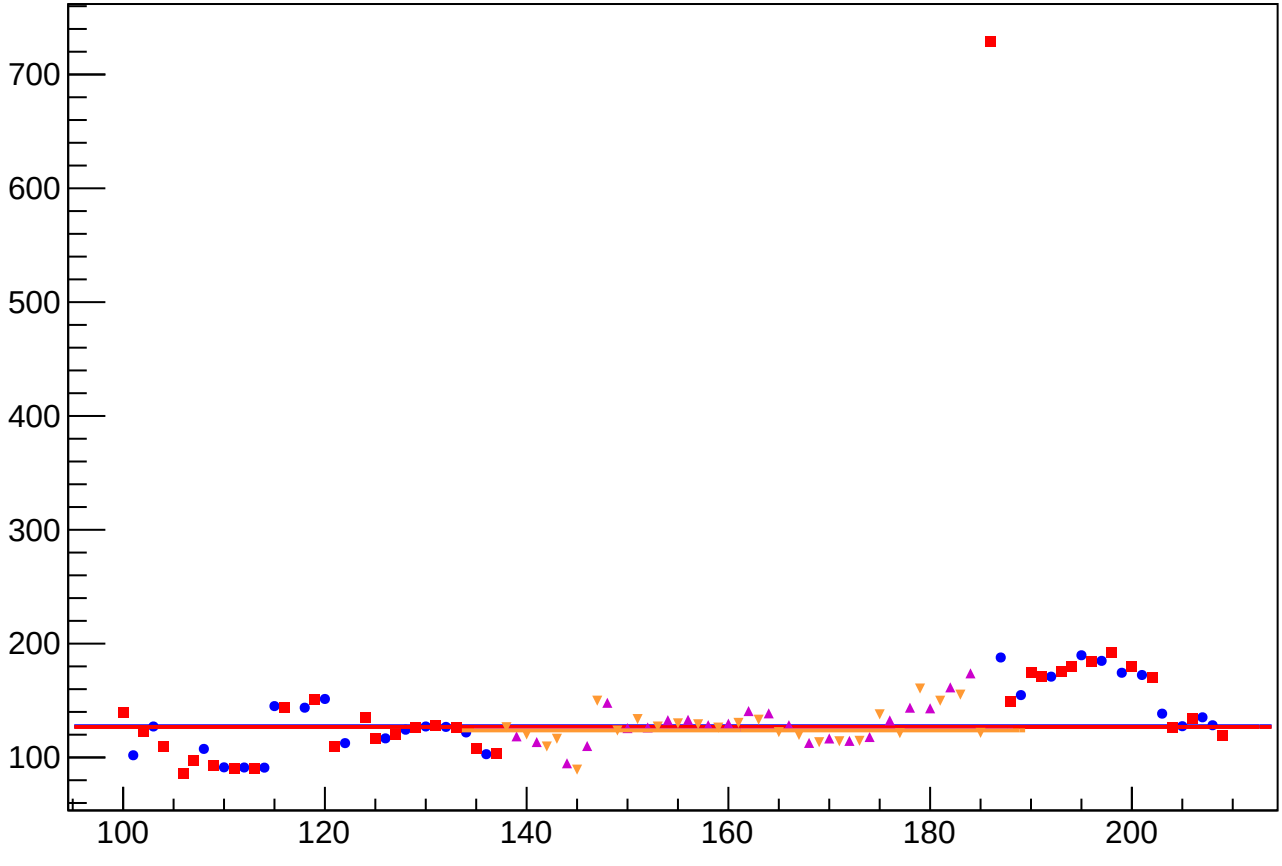
Right: 82.127+/-22.826 χ^2/NDF: 57.6/58

In: 177.933+/-21.875 χ^2/NDF:65.3/49

Out: 184.605+/-21.165 χ^2/NDF:83.6/56

All: 181.379+/-15.211 χ^2/NDF: 149.0/106

eigen_cor_asym_sam_48_dd_rms vs Slug, Sign Corrected



Right In: 127.401+/-0.023 χ^2/NDF: 1376220.5/26

Left Out: 123.807+/-0.020 χ^2/NDF:598444.2/24

Right Out: 126.792+/-0.022 χ^2/NDF: 2323215.7/31

Left In: 124.259+/-0.021 χ^2/NDF:557214.9/22

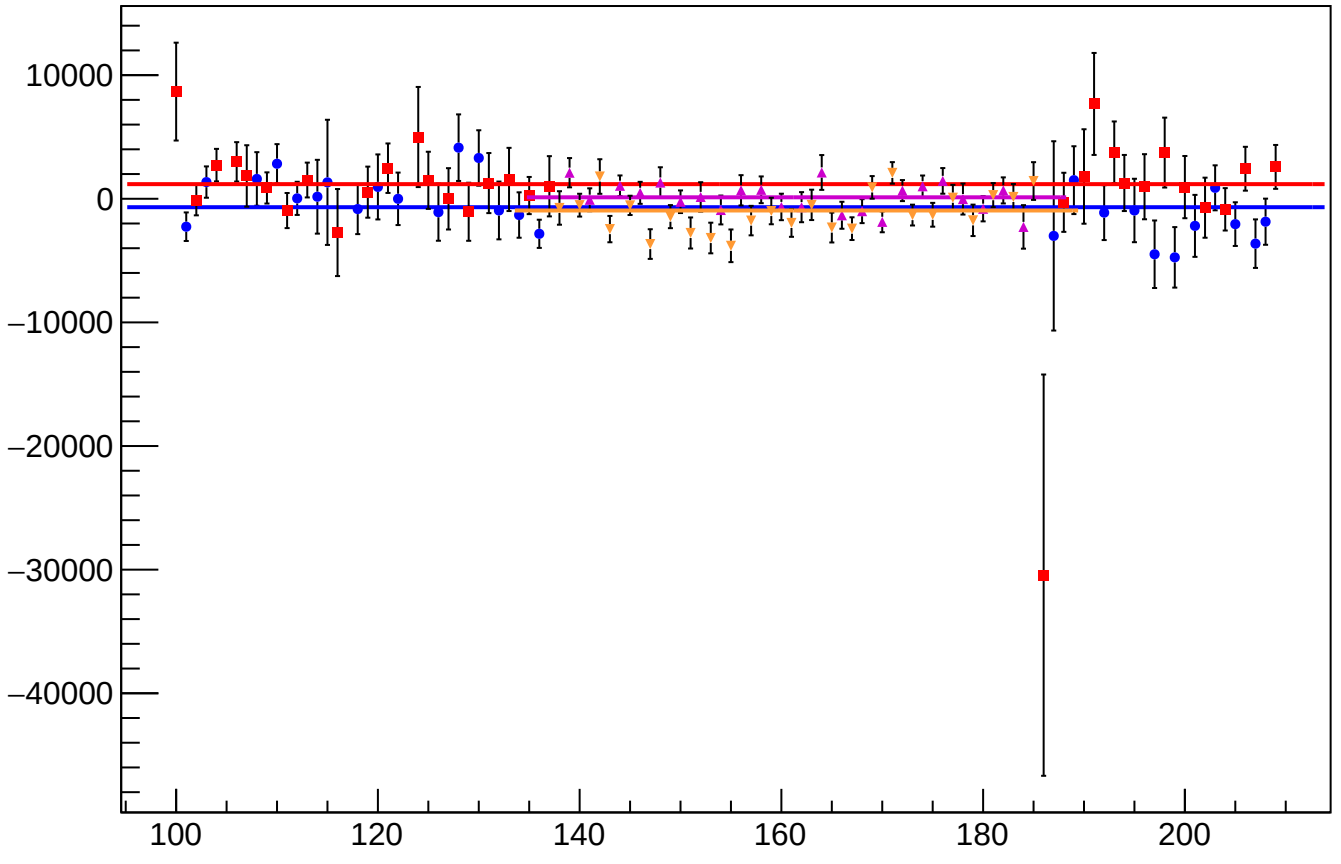
Left: 124.026+/-0.014 χ^2/NDF: 1155903.8/47

Right: 127.086+/-0.016 χ^2/NDF: 3699791.9/58

In: 125.651+/-0.015 χ^2/NDF:1943619.0/49

Out: 125.135+/-0.015 χ^2/NDF:2931482.0/56

All: 125.385+/-0.011 χ^2/NDF: 4875675.7/106



Right In: -682.173+/-372.481 χ^2/NDF: 31.4/26

Left Out: -947.709+/-211.794 χ^2/NDF:50.3/24

Right Out: 1183.550+/-358.005 χ^2/NDF: 25.7/31

Left In: 118.435+/-217.165 χ^2/NDF:24.4/22

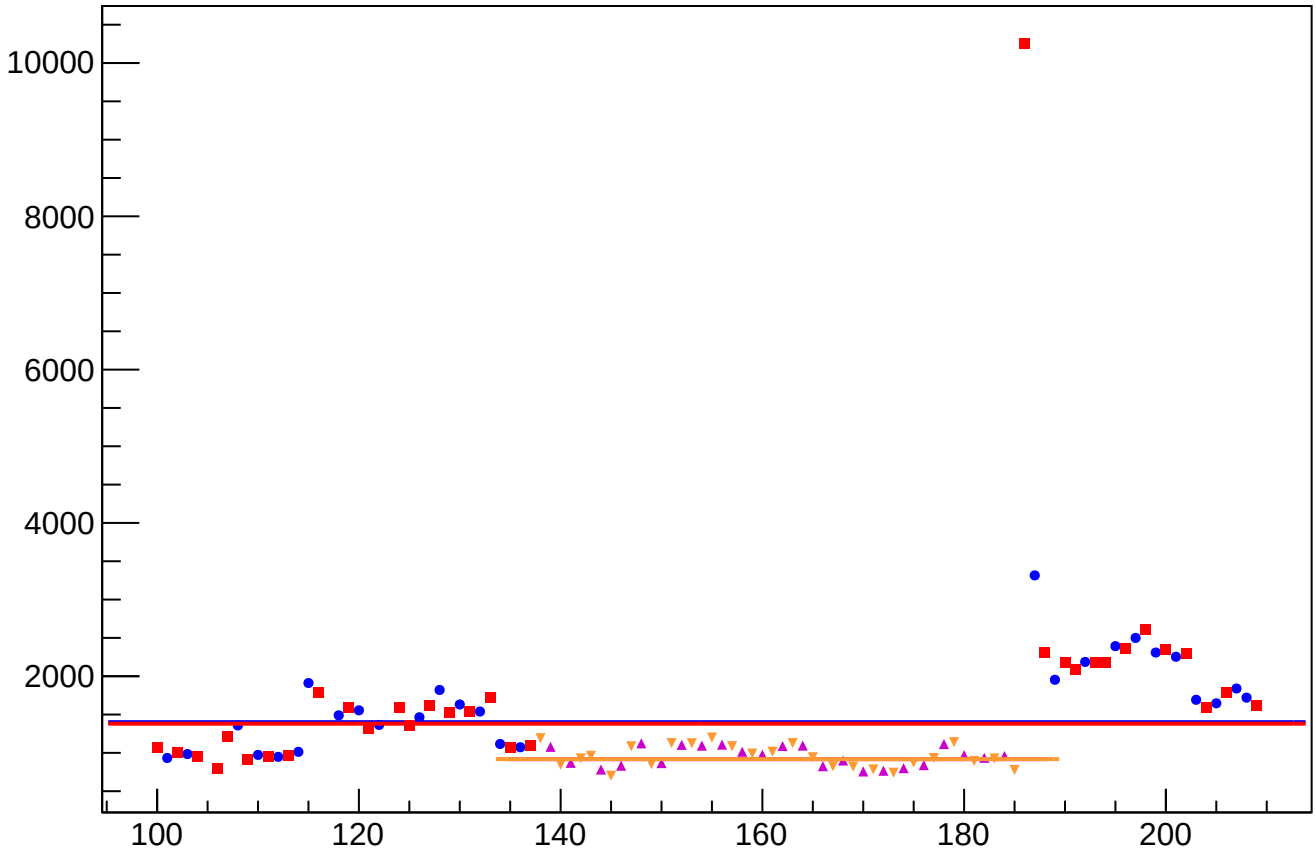
Left: -427.986+/-151.624 χ^2/NDF: 87.0/47

Right: 287.647+/-258.114 χ^2/NDF: 70.1/58

In: -84.667+/-187.608 χ^2/NDF:59.2/49

Out: -395.180+/-182.284 χ^2/NDF:102.2/56

All: -244.392+/-130.736 χ^2/NDF: 162.8/106



Right In: 1400.740+/-0.263 χ^2/NDF: 3109208.4/26

Left Out: 918.501+/-0.150 χ^2/NDF:887819.5/24

Right Out: 1380.881+/-0.253 χ^2/NDF: 4474186.1/31

Left In: 918.214+/-0.154 χ^2/NDF:666263.4/22

Left: 918.361+/-0.107 χ^2/NDF: 1554084.7/47

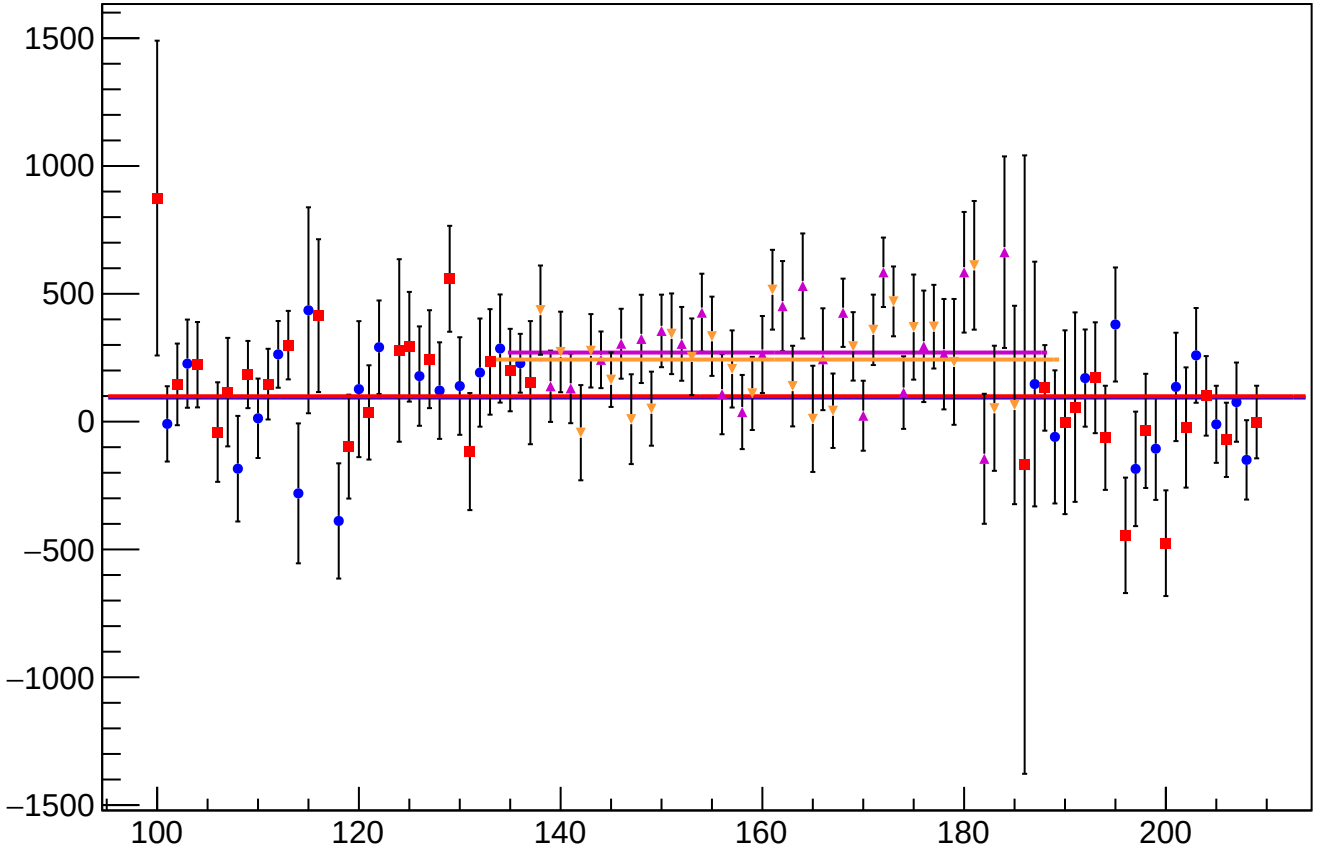
Right: 1390.417+/-0.183 χ^2/NDF: 7586349.8/58

In: 1040.624+/-0.133 χ^2/NDF:6280339.3/49

Out: 1038.373+/-0.129 χ^2/NDF:7833271.3/56

All: 1039.466+/-0.092 χ^2/NDF: 14113758.7/1

dit_asym_sam_48_dd_mean vs Slug, Sign Corrected



Right In: 94.224+/-35.831 χ^2/NDF: 24.4/26

Left Out: 242.890+/-32.138 χ^2/NDF:23.7/24

Right Out: 99.249+/-34.271 χ^2/NDF: 33.0/31

Left In: 270.243+/-32.893 χ^2/NDF:26.7/22

Left: 256.249+/-22.987 χ^2/NDF: 50.7/47

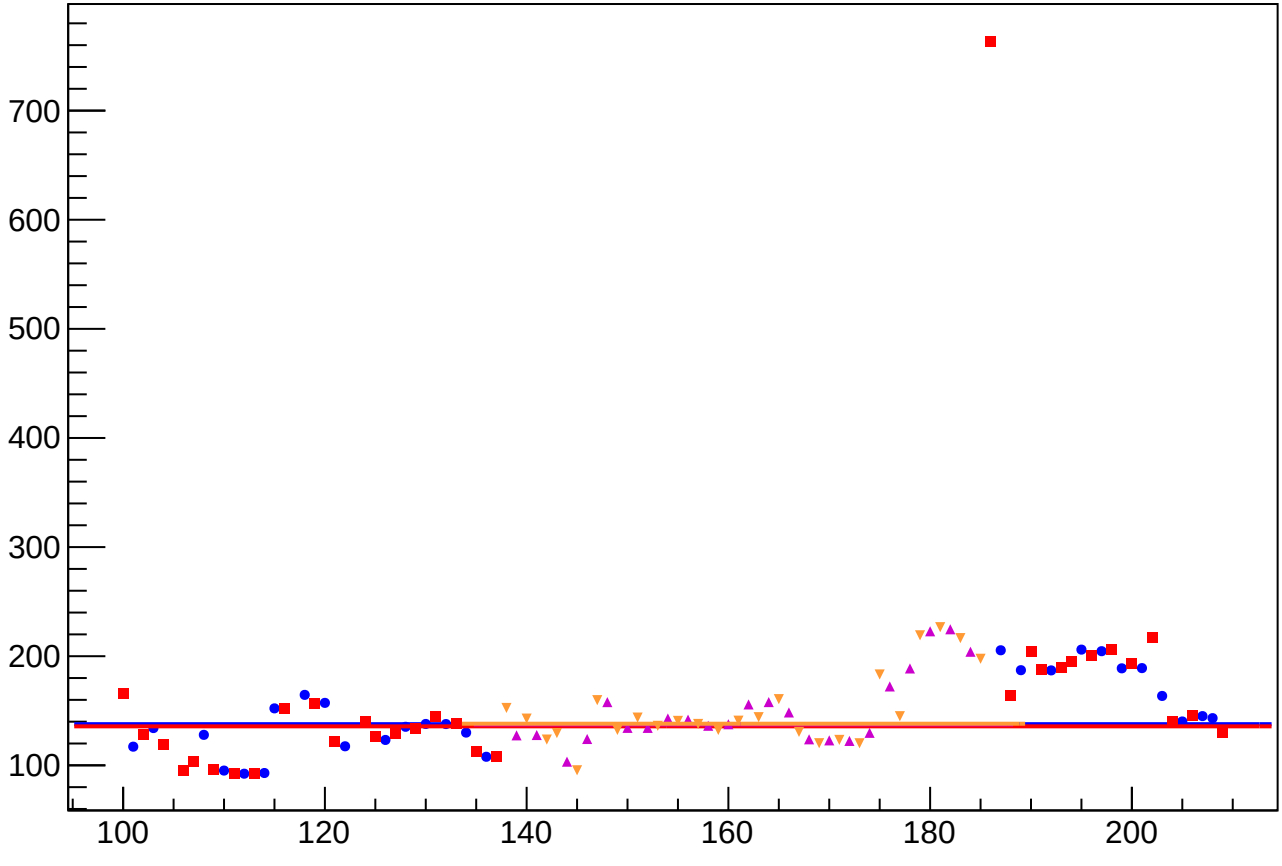
Right: 96.848+/-24.766 χ^2/NDF: 57.4/58

In: 189.745+/-24.231 χ^2/NDF:64.2/49

Out: 175.677+/-23.443 χ^2/NDF:66.0/56

All: 182.478+/-16.848 χ^2/NDF: 130.3/106

dit_asym_sam_48_dd_rms vs Slug, Sign Corrected



Right In: 137.728+/-0.025 χ^2/NDF: 1612040.4/26

Left Out: 138.127+/-0.023 χ^2/NDF:1338308.5/24

Right Out: 135.722+/-0.024 χ^2/NDF: 2632584.1/31

Left In: 137.491+/-0.023 χ^2/NDF:1109333.5/22

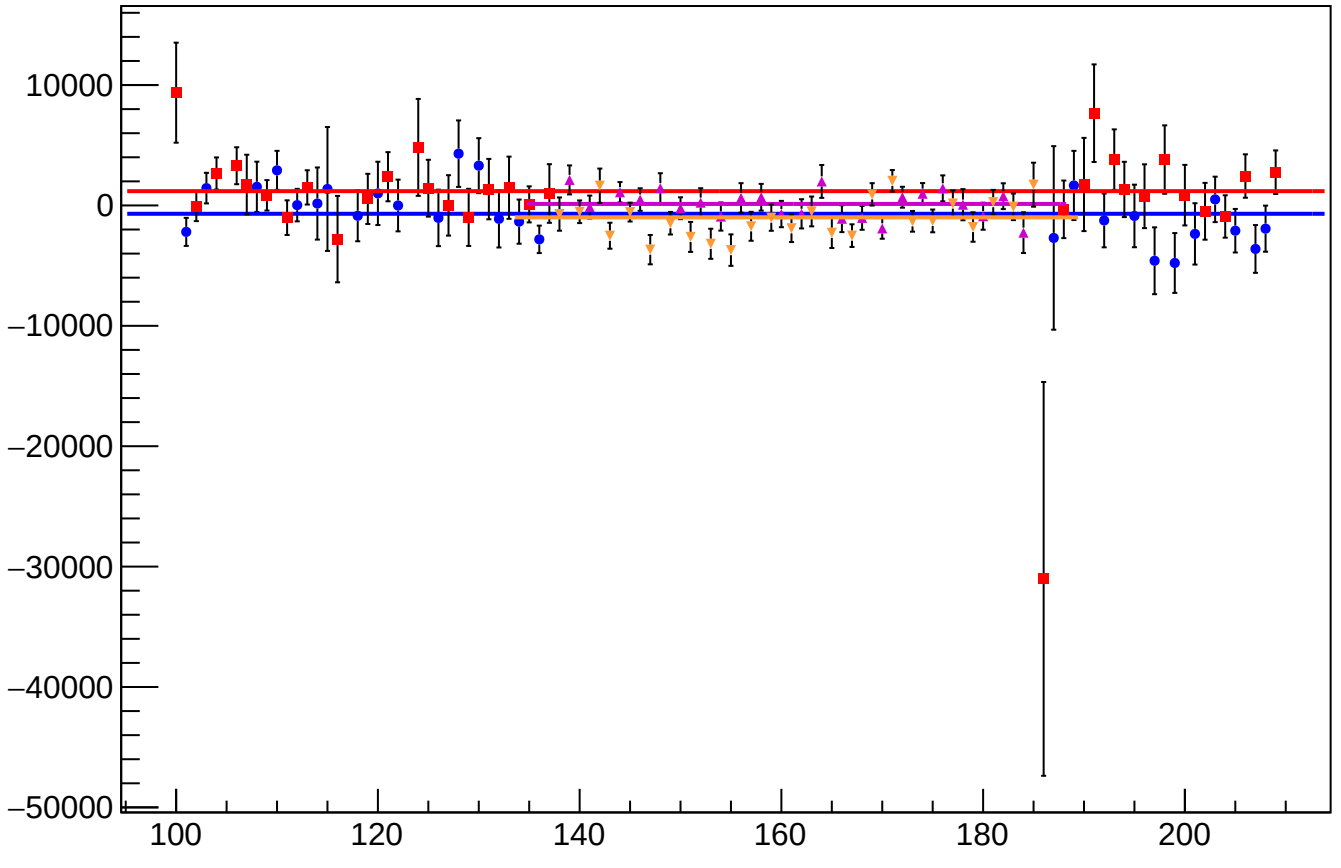
Left: 137.817+/-0.016 χ^2/NDF: 2448024.6/47

Right: 136.680+/-0.018 χ^2/NDF: 4247898.5/58

In: 137.600+/-0.017 χ^2/NDF:2721421.3/49

Out: 137.002+/-0.017 χ^2/NDF:3976134.9/56

All: 137.291+/-0.012 χ^2/NDF: 6698184.9/106



Right In: -693.087+/-376.795 χ^2/NDF: 31.1/26

Left Out: -993.237+/-215.652 χ^2/NDF:46.9/24

Right Out: 1186.531+/-360.222 χ^2/NDF: 26.6/31

Left In: 124.857+/-221.367 χ^2/NDF:23.9/22

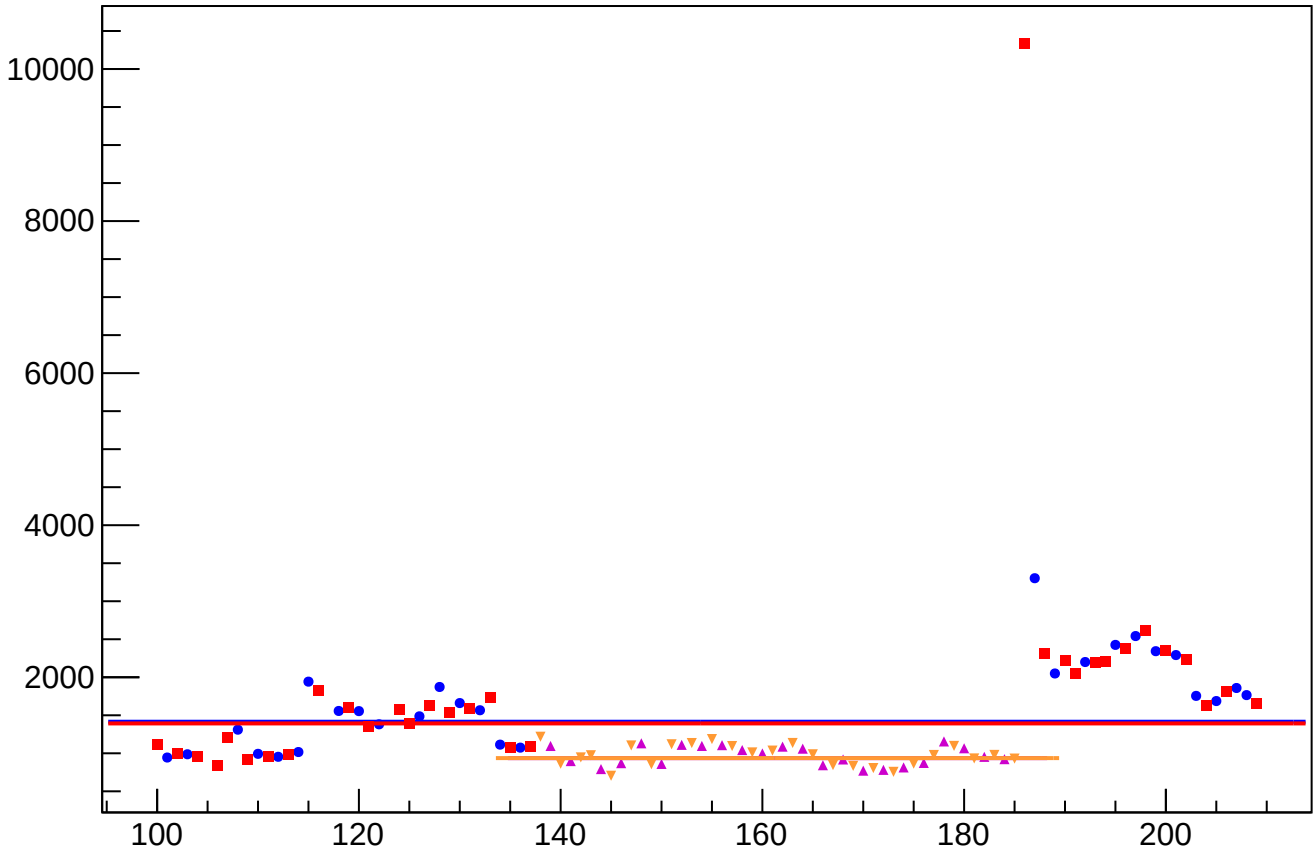
Left: -448.808+/-154.470 χ^2/NDF: 83.9/47

Right: 288.966+/-260.377 χ^2/NDF: 70.8/58

In: -85.021+/-190.865 χ^2/NDF:58.5/49

Out: -418.129+/-185.029 χ^2/NDF:100.5/56

All: -256.745+/-132.851 χ^2/NDF: 160.6/106



Right In: 1415.175+/-0.266 χ^2/NDF: 3211971.7/26

Left Out: 936.743+/-0.152 χ^2/NDF:832449.3/24

Right Out: 1392.782+/-0.255 χ^2/NDF: 4448256.2/31

Left In: 936.380+/-0.157 χ^2/NDF:642749.3/22

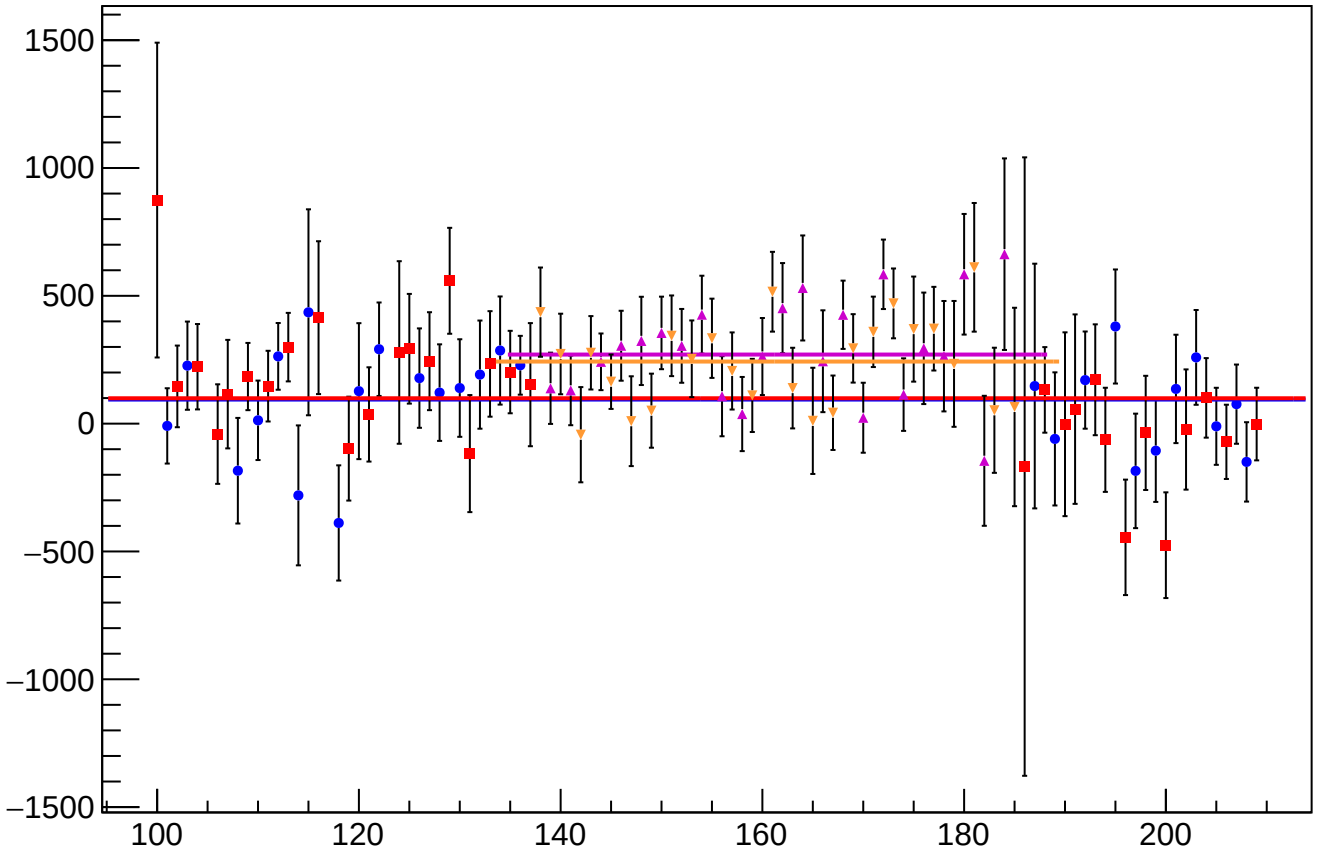
Left: 936.567+/-0.109 χ^2/NDF: 1475201.4/47

Right: 1403.475+/-0.184 χ^2/NDF: 7663918.6/58

In: 1059.235+/-0.135 χ^2/NDF:6255464.8/49

Out: 1057.064+/-0.131 χ^2/NDF:7640448.9/56

All: 1058.116+/-0.094 χ^2/NDF: 13896047.1/1



Right In: 94.226+/-35.831 χ^2/NDF: 24.4/26

Left Out: 242.892+/-32.138 χ^2/NDF:23.7/24

Right Out: 99.248+/-34.271 χ^2/NDF: 33.0/31

Left In: 270.244+/-32.893 χ^2/NDF:26.7/22

Left: 256.251+/-22.987 χ^2/NDF: 50.7/47

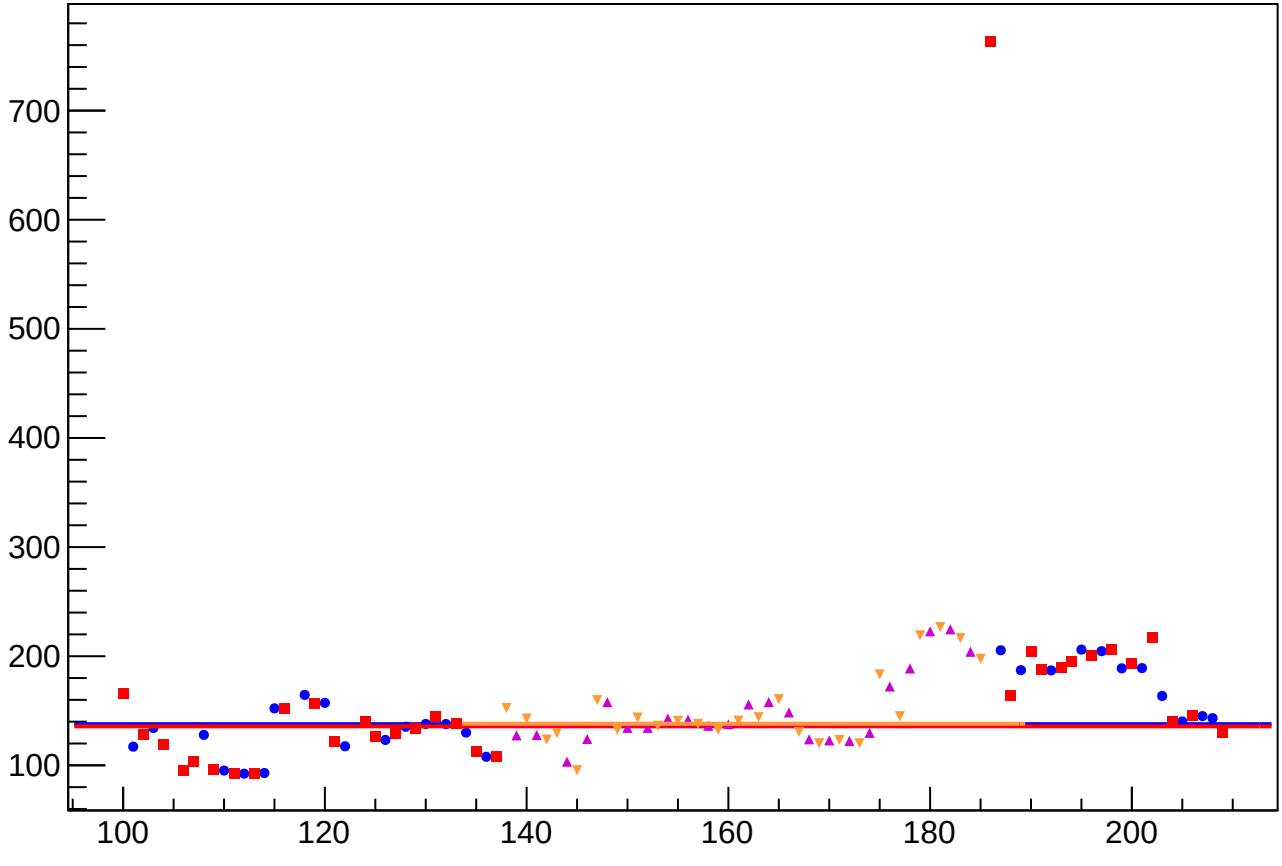
Right: 96.849+/-24.766 χ^2/NDF: 57.4/58

In: 189.747+/-24.231 χ^2/NDF:64.2/49

Out: 175.678+/-23.443 χ^2/NDF:66.0/56

All: 182.480+/-16.848 χ^2/NDF: 130.3/106

eigen_dit_asym_sam_48_dd_rms vs Slug, Sign Corrected



Right In: 137.728+/-0.025 χ^2/NDF: 1612028.5/26

Left Out: 138.127+/-0.023 χ^2/NDF:1338311.7/24

Right Out: 135.722+/-0.024 χ^2/NDF: 2632591.0/31

Left In: 137.491+/-0.023 χ^2/NDF:1109319.8/22

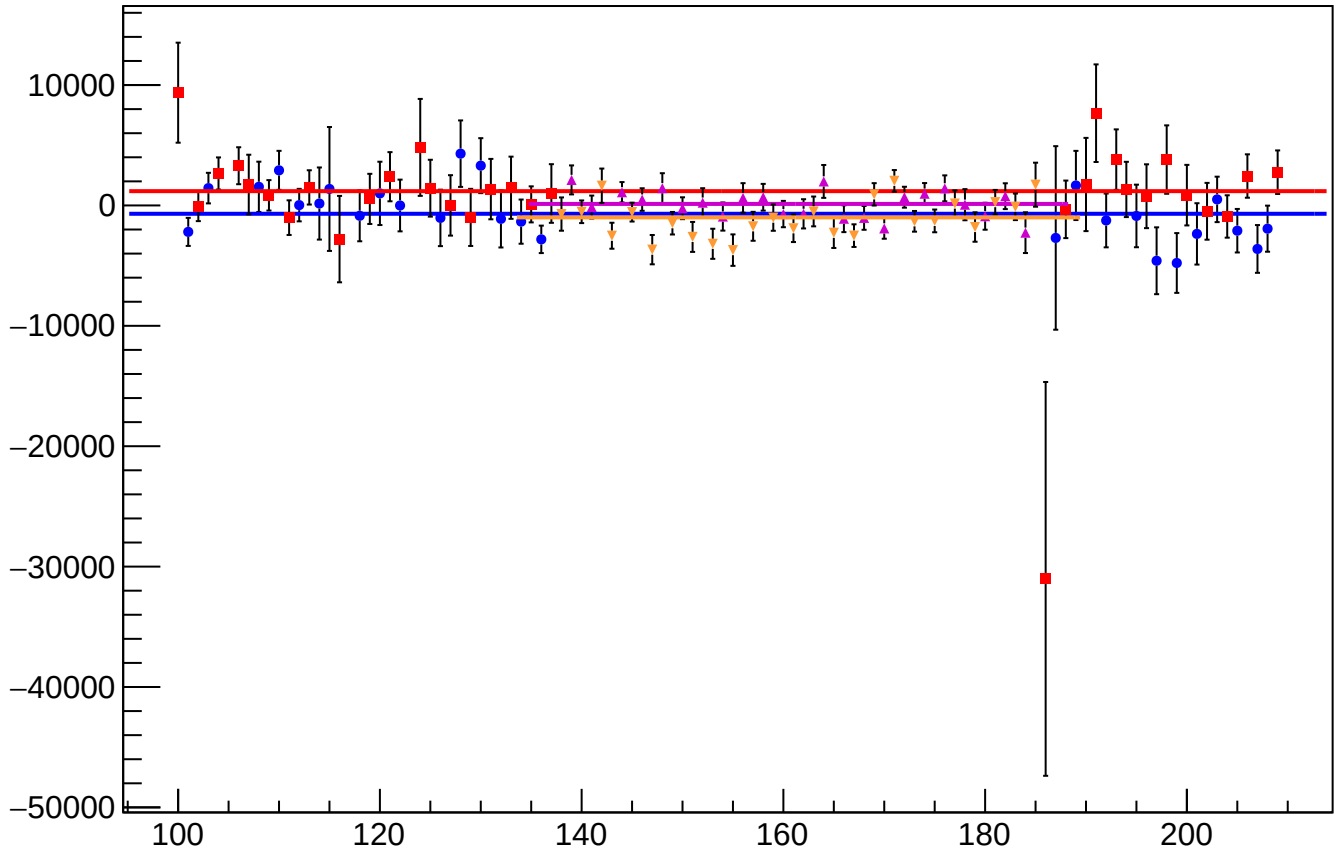
Left: 137.817+/-0.016 χ^2/NDF: 2448014.1/47

Right: 136.680+/-0.018 χ^2/NDF: 4247893.4/58

In: 137.600+/-0.017 χ^2/NDF:2721395.6/49

Out: 137.002+/-0.017 χ^2/NDF:3976144.9/56

All: 137.291+/-0.012 χ^2/NDF: 6698169.2/106



Right In: -693.086+/-376.795 χ^2/NDF: 31.1/26

Left Out: -993.235+/-215.652 χ^2/NDF:46.9/24

Right Out: 1186.529+/-360.222 χ^2/NDF: 26.6/31

Left In: 124.856+/-221.366 χ^2/NDF:23.9/22

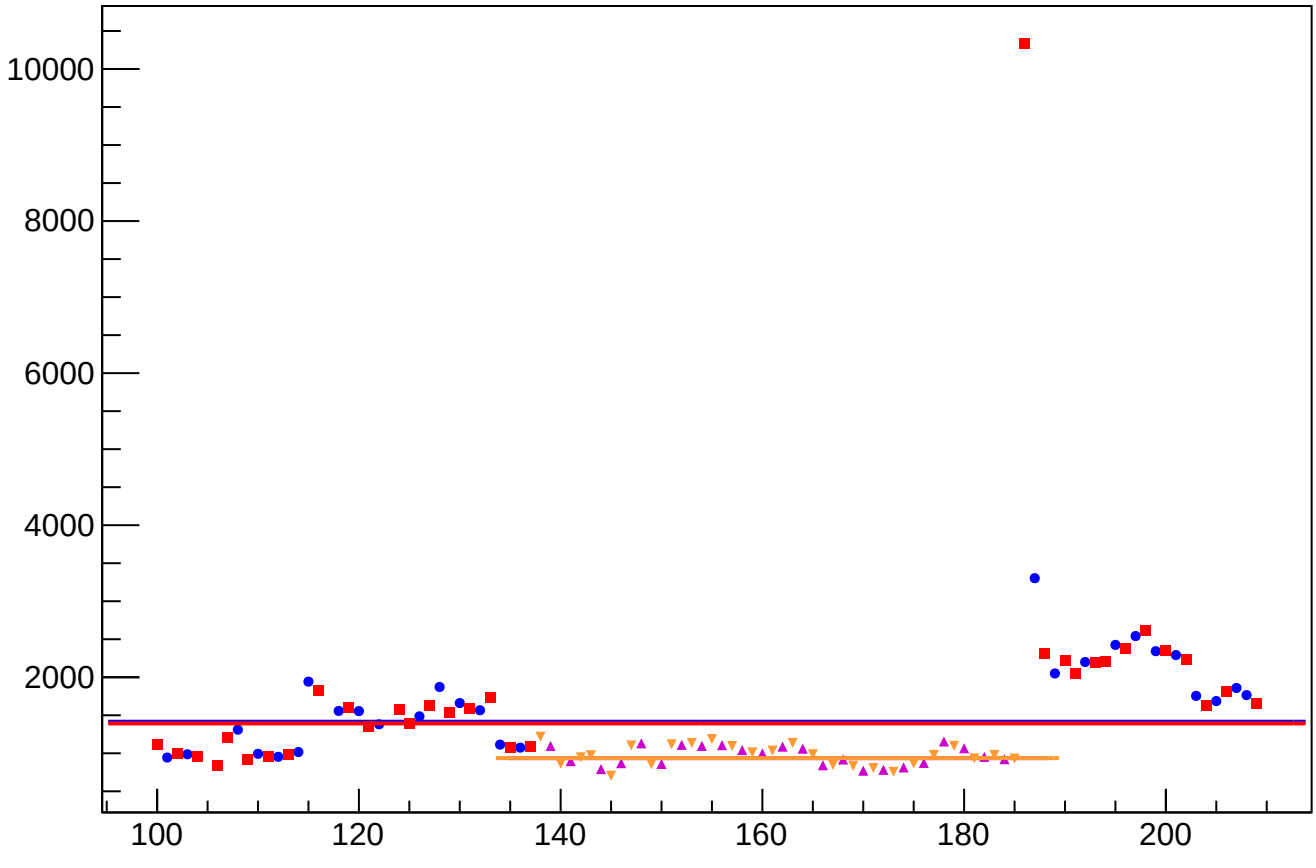
Left: -448.807+/-154.470 χ^2/NDF: 83.9/47

Right: 288.965+/-260.377 χ^2/NDF: 70.8/58

In: -85.021+/-190.865 χ^2/NDF:58.5/49

Out: -418.128+/-185.029 χ^2/NDF:100.5/56

All: -256.745+/-132.850 χ^2/NDF: 160.6/106



Right In: 1415.174+/-0.266 χ^2/NDF: 3211966.1/26

Left Out: 936.742+/-0.152 χ^2/NDF:832452.0/24

Right Out: 1392.782+/-0.255 χ^2/NDF: 4448249.3/31

Left In: 936.379+/-0.157 χ^2/NDF:642748.0/22

Left: 936.566+/-0.109 χ^2/NDF: 1475202.7/47

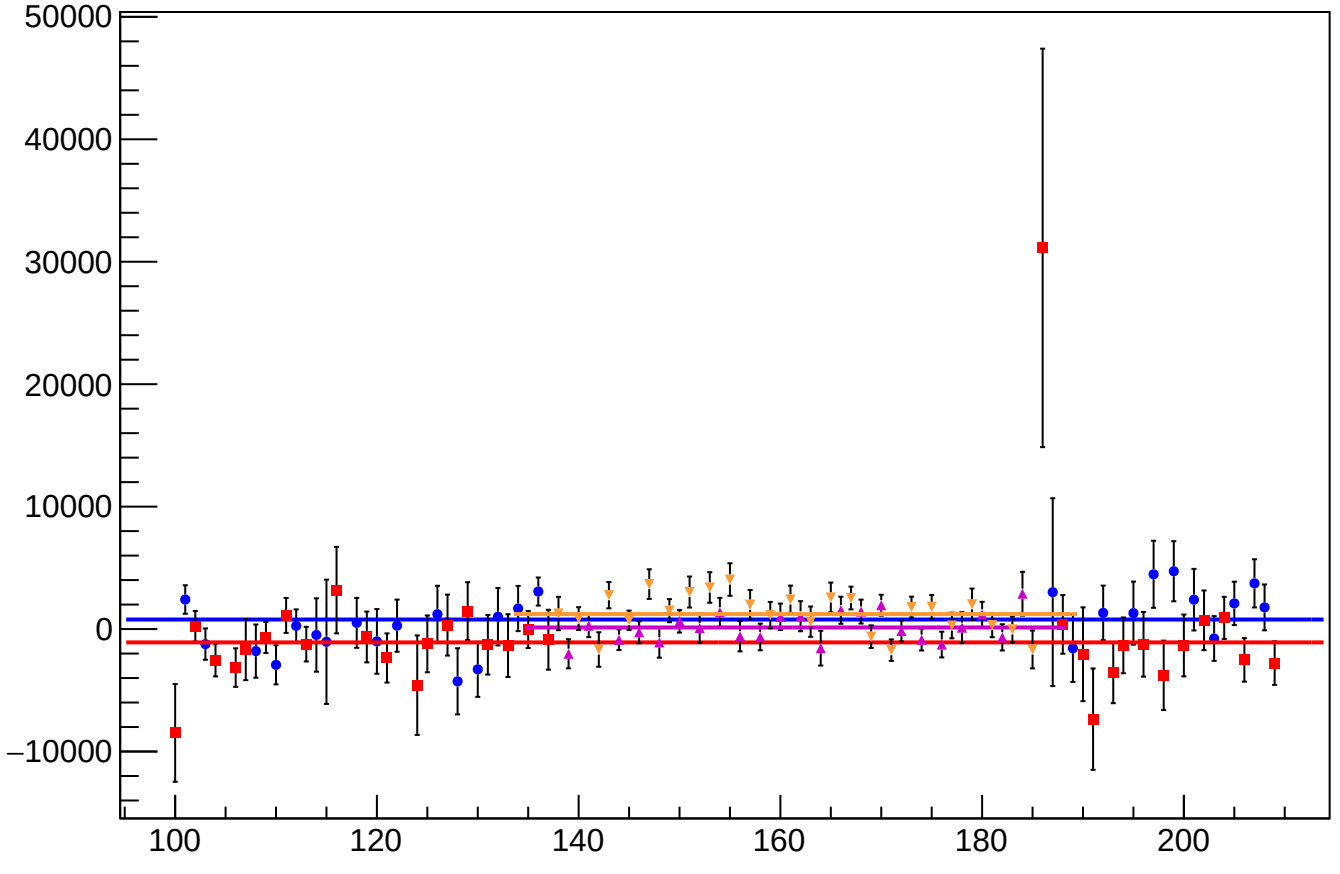
Right: 1403.475+/-0.184 χ^2/NDF: 7663906.0/58

In: 1059.234+/-0.135 χ^2/NDF:6255466.0/49

Out: 1057.063+/-0.131 χ^2/NDF:7640454.2/56

All: 1058.115+/-0.094 χ^2/NDF: 13896053.6/1

asym_sam_48_dd_mean vs Slug, Sign Corrected



Right In: 779.668+/-374.222 χ^2/NDF: 32.8/26

Left Out: 1225.521+/-213.843 χ^2/NDF:48.5/24

Right Out: -1088.498+/-359.298 χ^2/NDF: 26.7/31

Left In: 132.834+/-219.278 χ^2/NDF:25.8/22

Left: 692.887+/-153.095 χ^2/NDF: 87.1/47

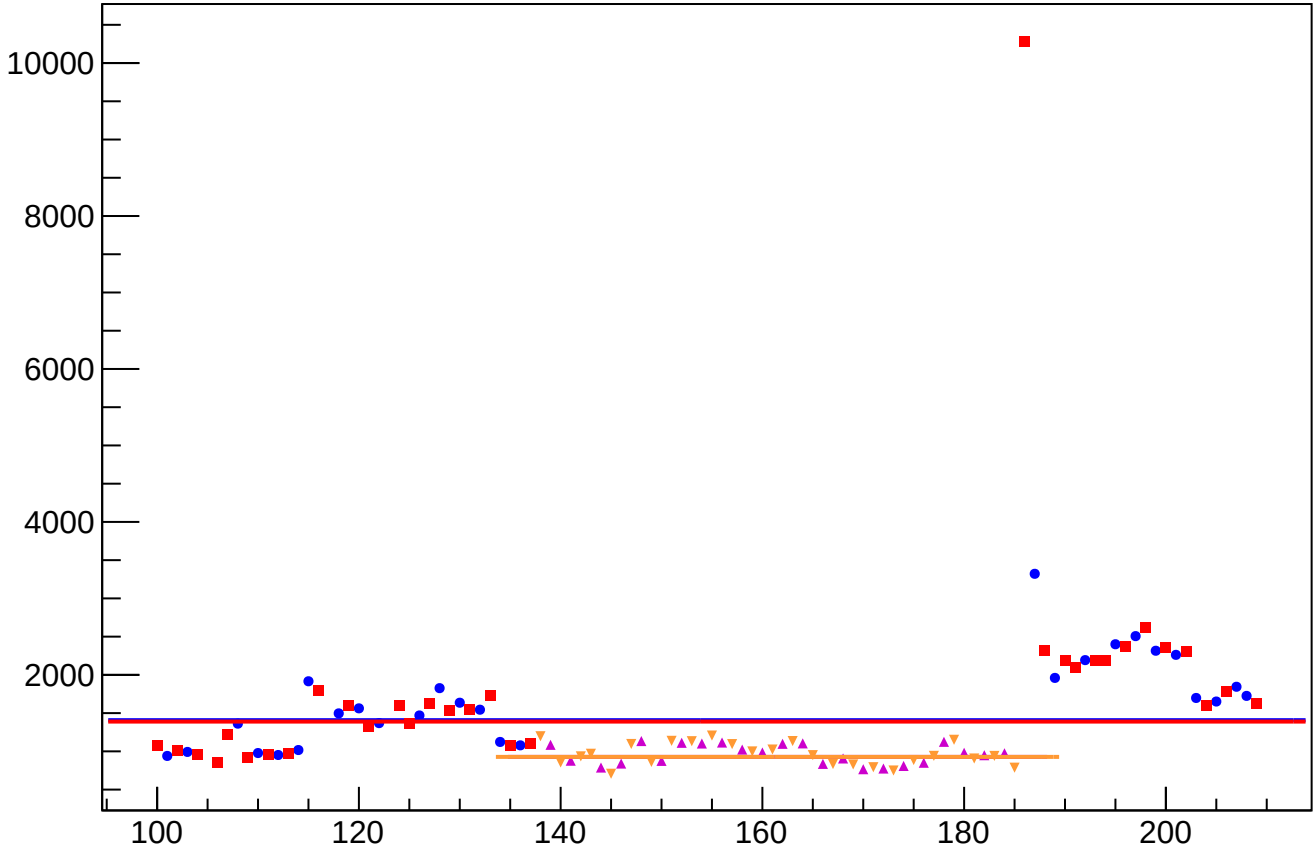
Right: -192.410+/-259.177 χ^2/NDF: 72.4/58

In: 298.158+/-189.191 χ^2/NDF:60.9/49

Out: 620.240+/-183.759 χ^2/NDF:105.8/56

All: 463.889+/-131.816 χ^2/NDF: 168.1/106

asym_sam_48_dd_rms vs Slug, Sign Corrected



Right In: 1407.878+/-0.265 χ^2/NDF: 3085781.1/26

Left Out: 927.610+/-0.151 χ^2/NDF:875127.3/24

Right Out: 1389.272+/-0.254 χ^2/NDF: 4414056.4/31

Left In: 927.321+/-0.155 χ^2/NDF:656539.8/22

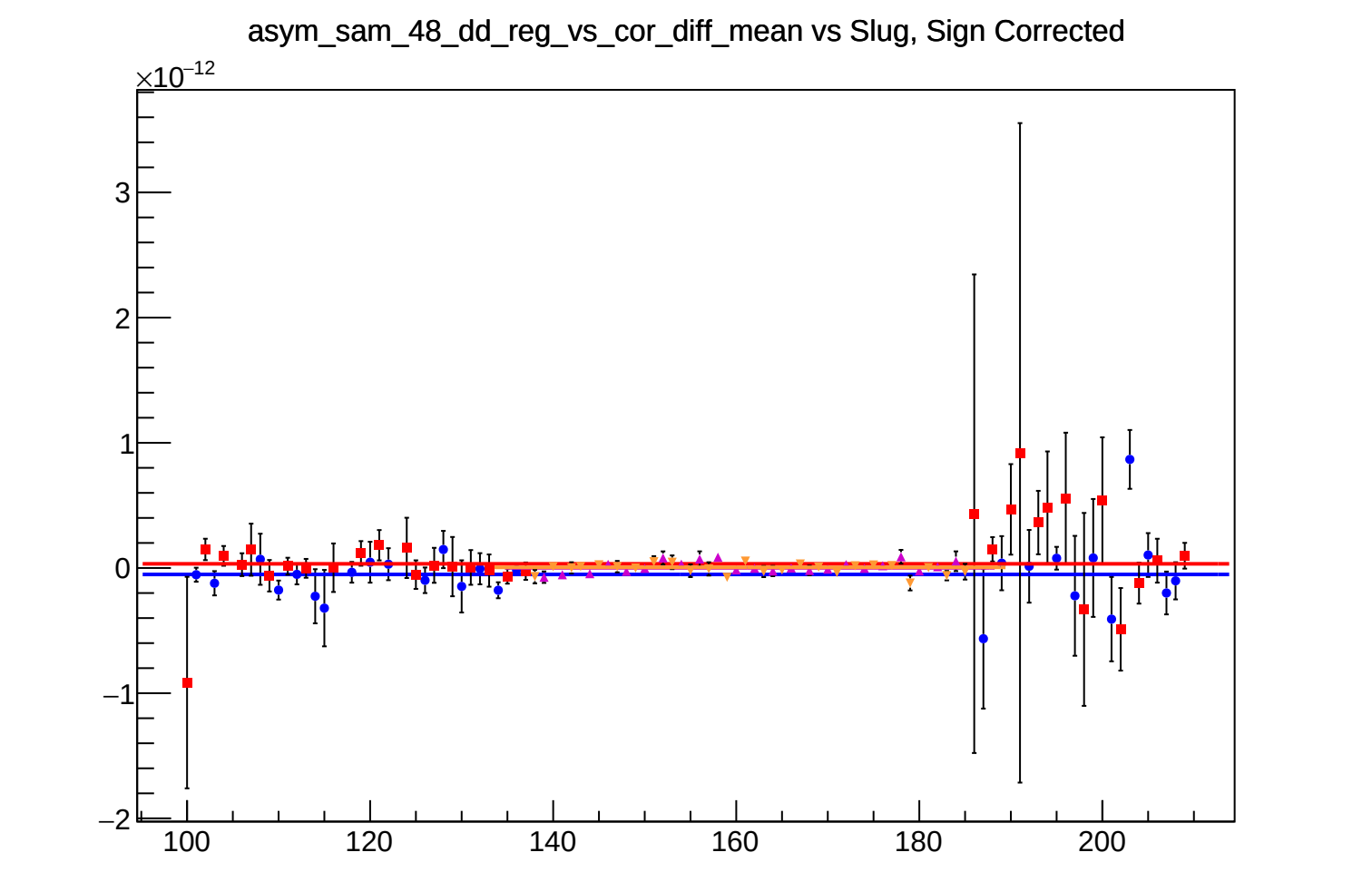
Left: 927.469+/-0.108 χ^2/NDF: 1531668.9/47

Right: 1398.196+/-0.183 χ^2/NDF: 7502410.1/58

In: 1050.146+/-0.134 χ^2/NDF:6197439.6/49

Out: 1048.367+/-0.130 χ^2/NDF:7727433.6/56

All: 1049.231+/-0.093 χ^2/NDF: 13924964.2/1



Right In: -0.000+/-0.000 χ^2/NDF: 34.2/26

Left Out: 0.000+/-0.000 χ^2/NDF:25.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 23.5/31

Left In: 0.000+/-0.000 χ^2/NDF:27.7/22

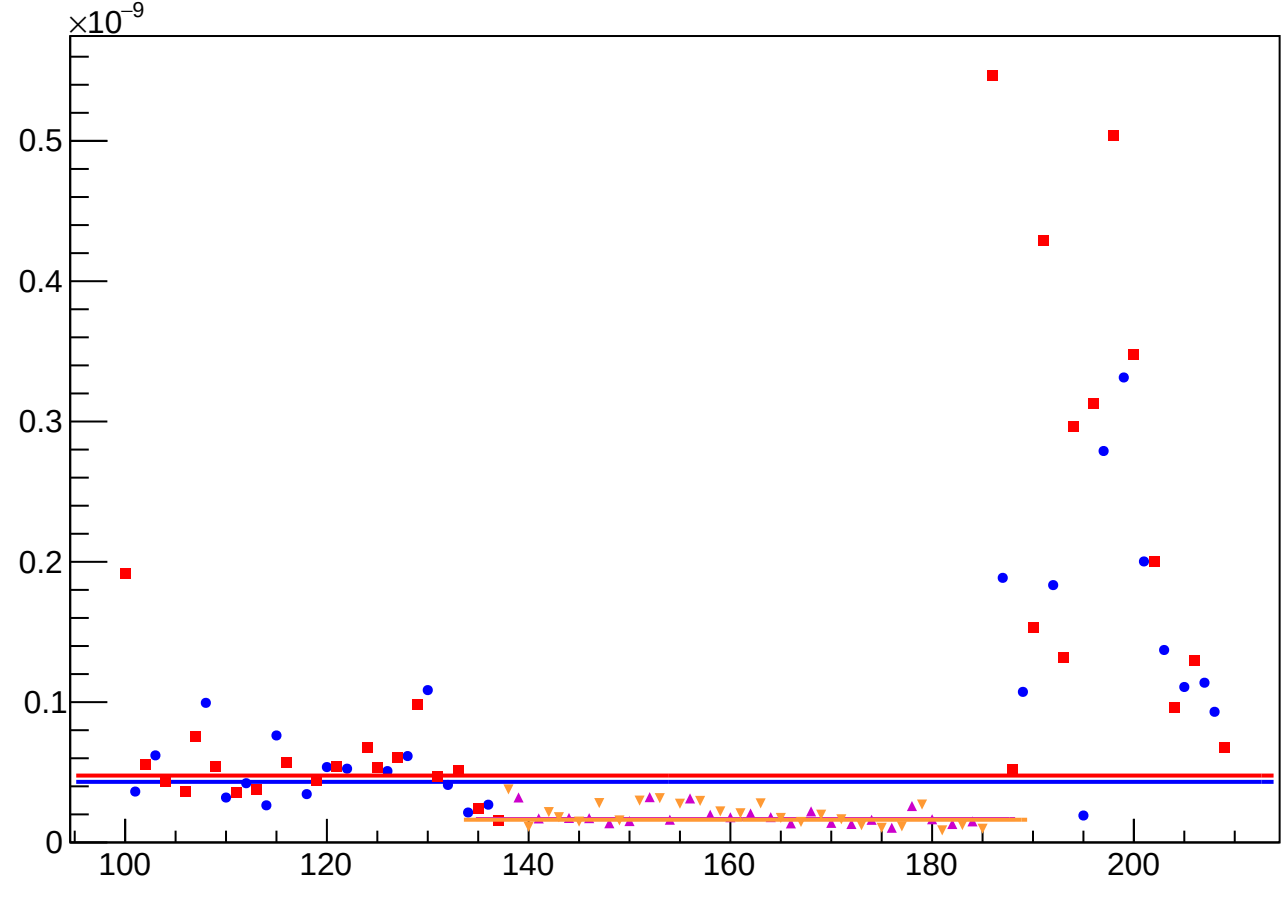
Left: 0.000+/-0.000 χ^2/NDF: 53.3/47

Right: -0.000+/-0.000 χ^2/NDF: 66.0/58

In: -0.000+/-0.000 χ^2/NDF:67.9/49

Out: 0.000+/-0.000 χ^2/NDF:50.5/56

All: 0.000+/-0.000 χ^2/NDF: 120.1/106



Right In: 0.000+/-0.000 χ^2/NDF: 4926387.9/26

Left Out: 0.000+/-0.000 χ^2/NDF:2009728.9/24

Right Out: 0.000+/-0.000 χ^2/NDF: 5356619.0/31

Left In: 0.000+/-0.000 χ^2/NDF:928356.7/22

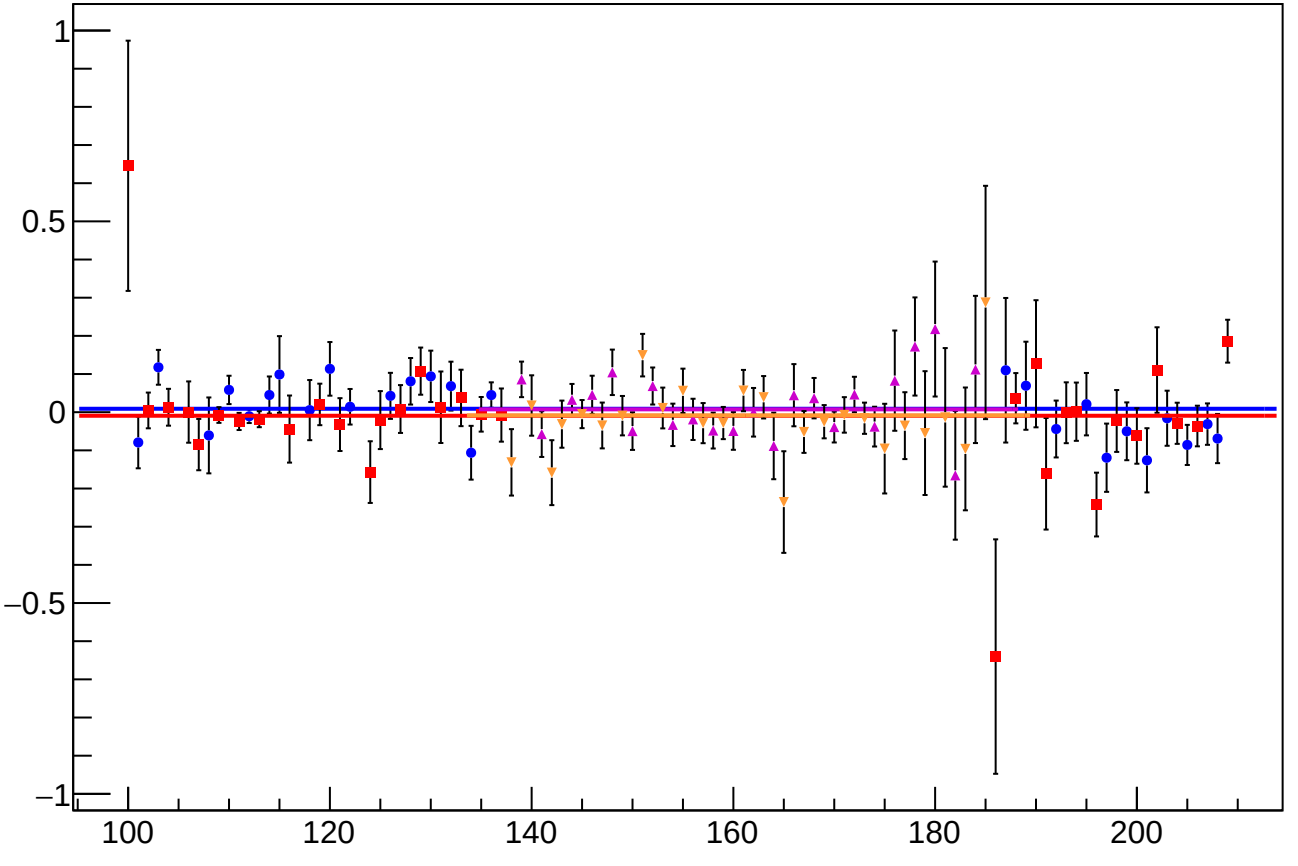
Left: 0.000+/-0.000 χ^2/NDF: 2943547.5/47

Right: 0.000+/-0.000 χ^2/NDF: 10329079.4/58

In: 0.000+/-0.000 χ^2/NDF:8895550.7/49

Out: 0.000+/-0.000 χ^2/NDF:11347717.2/56

All: 0.000+/-0.000 χ^2/NDF: 20250391.5/106



Right In: 0.009+/-0.010 χ^2/NDF: 34.1/26

Left Out: -0.008+/-0.012 χ^2/NDF:23.2/24

Right Out: -0.009+/-0.009 χ^2/NDF: 42.7/31

Left In: 0.007+/-0.012 χ^2/NDF:23.2/22

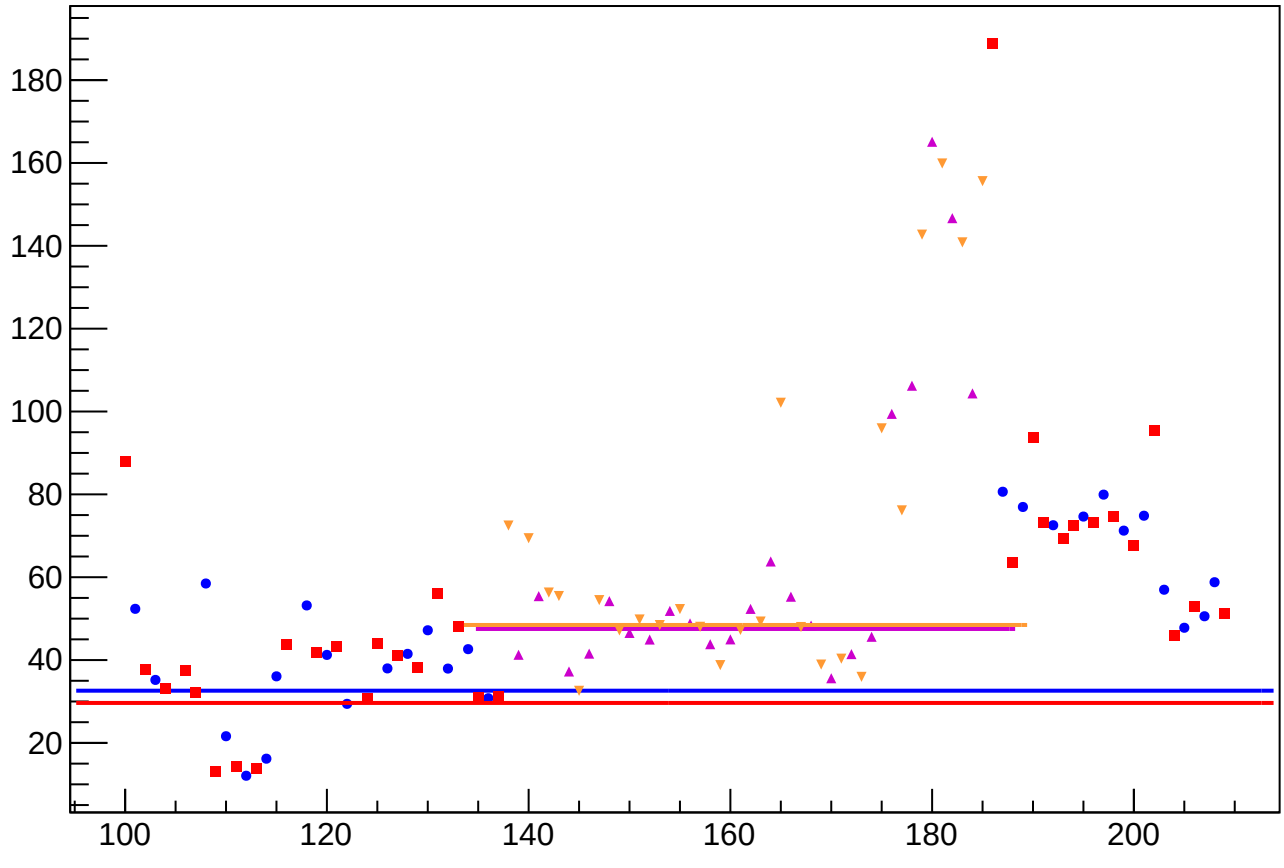
Left: -0.000+/-0.008 χ^2/NDF: 47.3/47

Right: -0.001+/-0.007 χ^2/NDF: 78.7/58

In: 0.008+/-0.008 χ^2/NDF:57.4/49

Out: -0.009+/-0.007 χ^2/NDF:65.9/56

All: -0.001+/-0.005 χ^2/NDF: 126.0/106



Right In: 32.607+/-0.007 χ^2/NDF: 7845955.1/26

Left Out: 48.471+/-0.008 χ^2/NDF:4373812.0/24

Right Out: 29.649+/-0.006 χ^2/NDF: 10106479.3/31

Left In: 47.505+/-0.009 χ^2/NDF:3075161.5/22

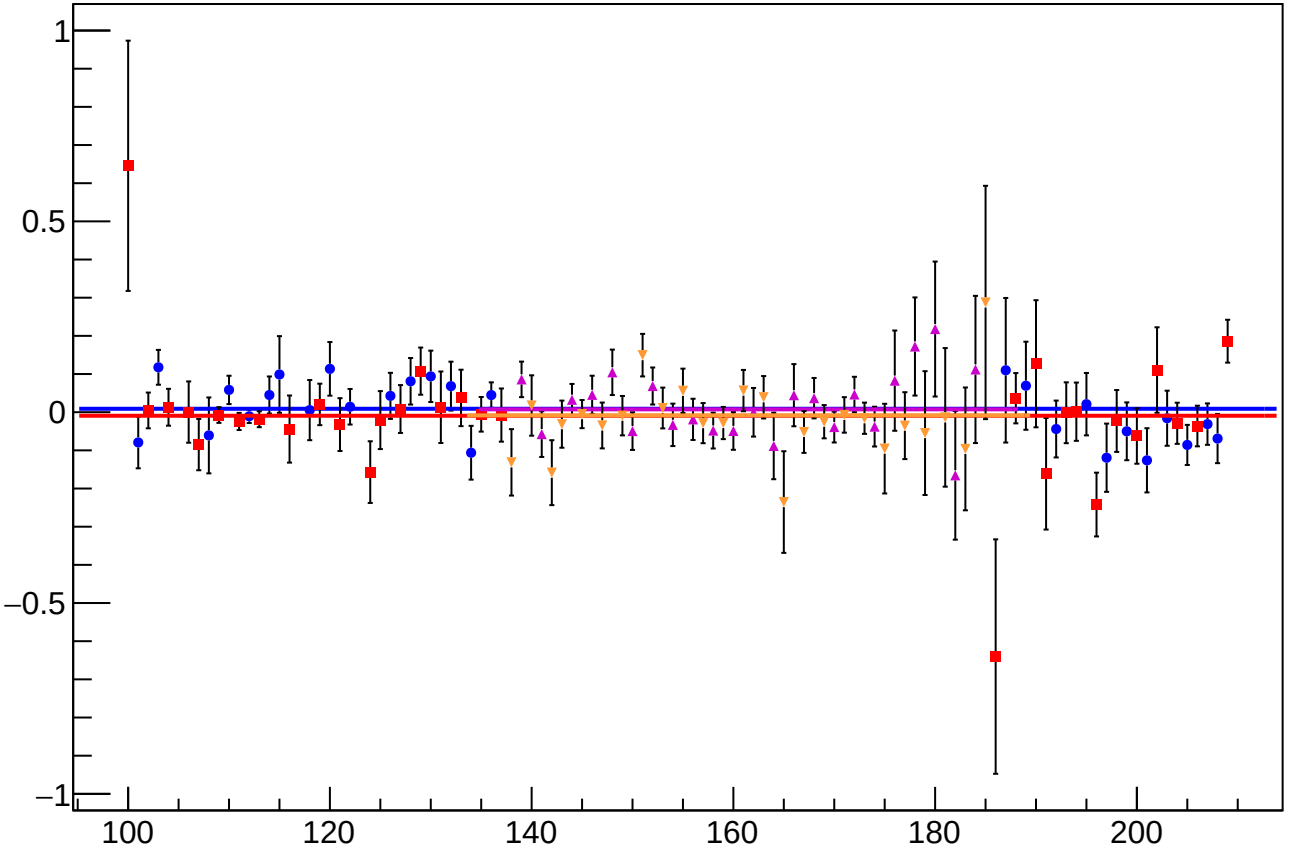
Left: 47.989+/-0.006 χ^2/NDF: 7455439.1/47

Right: 30.968+/-0.005 χ^2/NDF: 18051043.1/58

In: 38.633+/-0.005 χ^2/NDF:12747154.1/49

Out: 36.318+/-0.005 χ^2/NDF:17653538.2/56

All: 37.397+/-0.004 χ^2/NDF: 30498427.8/106



Right In: 0.009+/-0.010 χ^2/NDF: 34.1/26

Left Out: -0.008+/-0.012 χ^2/NDF:23.2/24

Right Out: -0.009+/-0.009 χ^2/NDF: 42.7/31

Left In: 0.007+/-0.012 χ^2/NDF:23.2/22

Left: -0.000+/-0.008 χ^2/NDF: 47.3/47

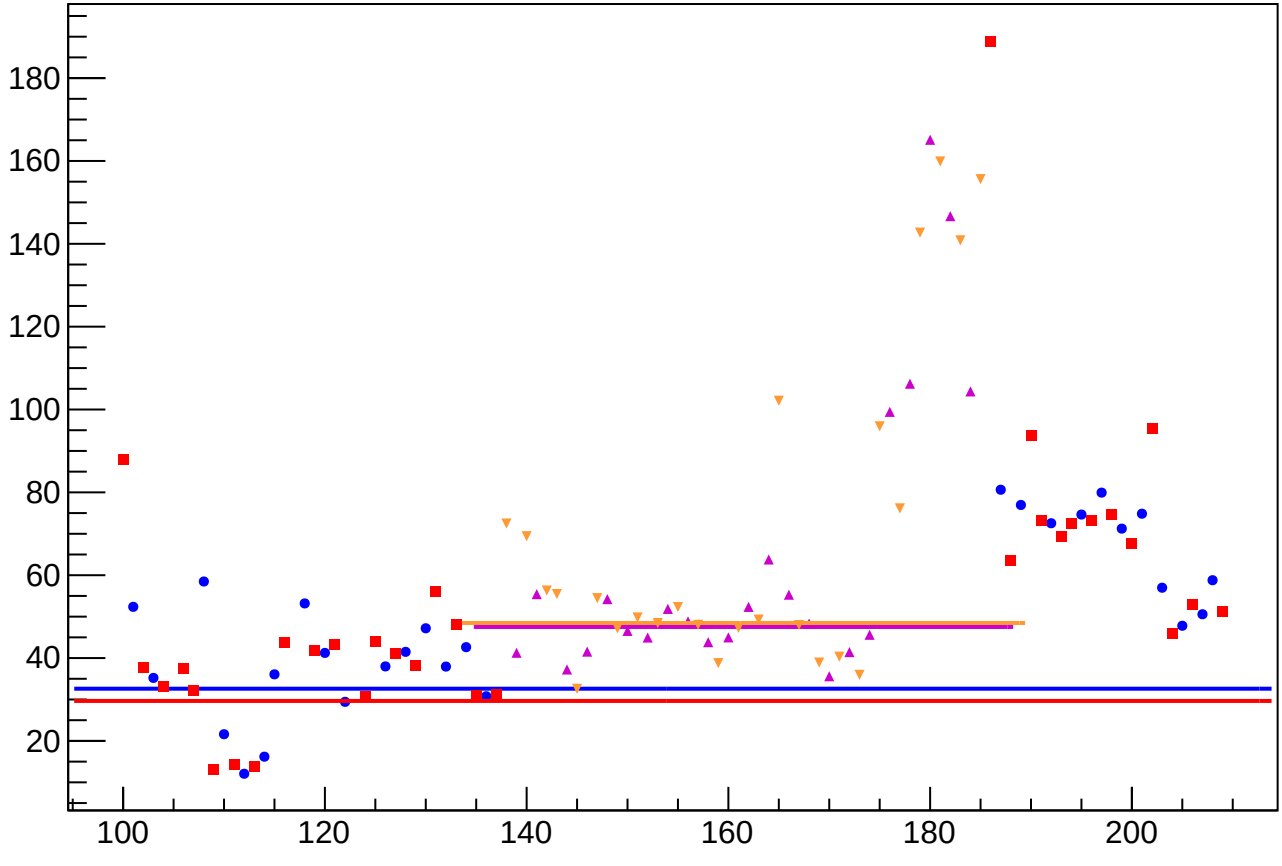
Right: -0.001+/-0.007 χ^2/NDF: 78.7/58

In: 0.008+/-0.008 χ^2/NDF:57.4/49

Out: -0.009+/-0.007 χ^2/NDF:65.9/56

All: -0.001+/-0.005 χ^2/NDF: 126.0/106

asym_sam_48_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 32.607+/-0.007 χ^2/NDF: 7845955.1/26

Left Out: 48.471+/-0.008 χ^2/NDF:4373812.0/24

Right Out: 29.649+/-0.006 χ^2/NDF: 10106479.3/31

Left In: 47.505+/-0.009 χ^2/NDF:3075161.5/22

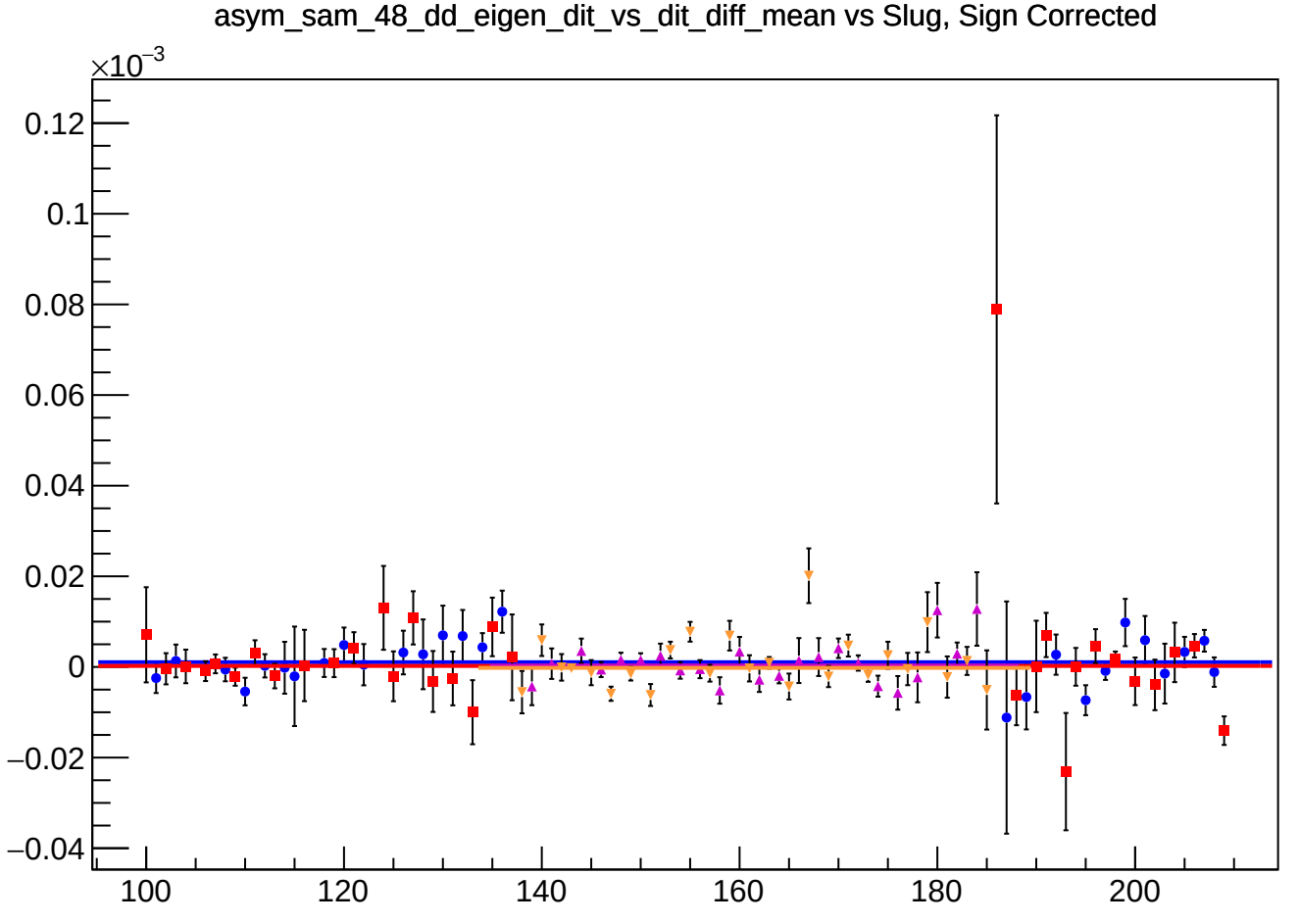
Left: 47.989+/-0.006 χ^2/NDF: 7455439.1/47

Right: 30.968+/-0.005 χ^2/NDF: 18051043.1/58

In: 38.633+/-0.005 χ^2/NDF:12747154.1/49

Out: 36.318+/-0.005 χ^2/NDF:17653538.2/56

All: 37.397+/-0.004 χ^2/NDF: 30498427.8/106



Right In: 0.000+/-0.000 χ^2/NDF: 33.7/26

Left Out: -0.000+/-0.000 χ^2/NDF:71.7/24

Right Out: 0.000+/-0.000 χ^2/NDF: 51.7/31

Left In: 0.000+/-0.000 χ^2/NDF:30.9/22

Left: -0.000+/-0.000 χ^2/NDF: 103.2/47

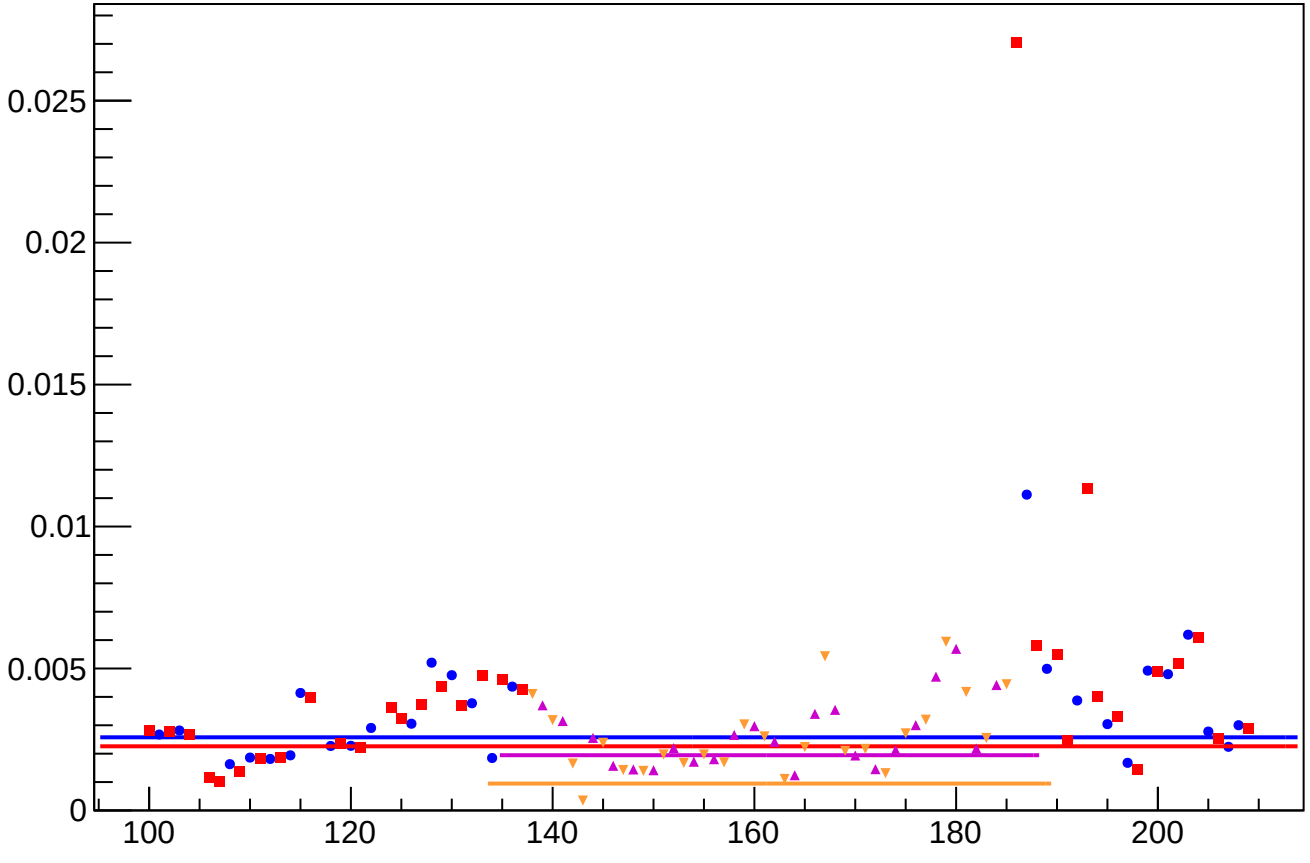
Right: 0.000+/-0.000 χ^2/NDF: 86.2/58

In: 0.000+/-0.000 χ^2/NDF:65.4/49

Out: -0.000+/-0.000 χ^2/NDF:123.7/56

All: 0.000+/-0.000 χ^2/NDF: 190.9/106

asym_sam_48_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.003+/-0.000 χ^2/NDF: 4138862.2/26

Left Out: 0.001+/-0.000 χ^2/NDF:17608951.7/24

Right Out: 0.002+/-0.000 χ^2/NDF: 8328241.7/31

Left In: 0.002+/-0.000 χ^2/NDF:4362371.5/22

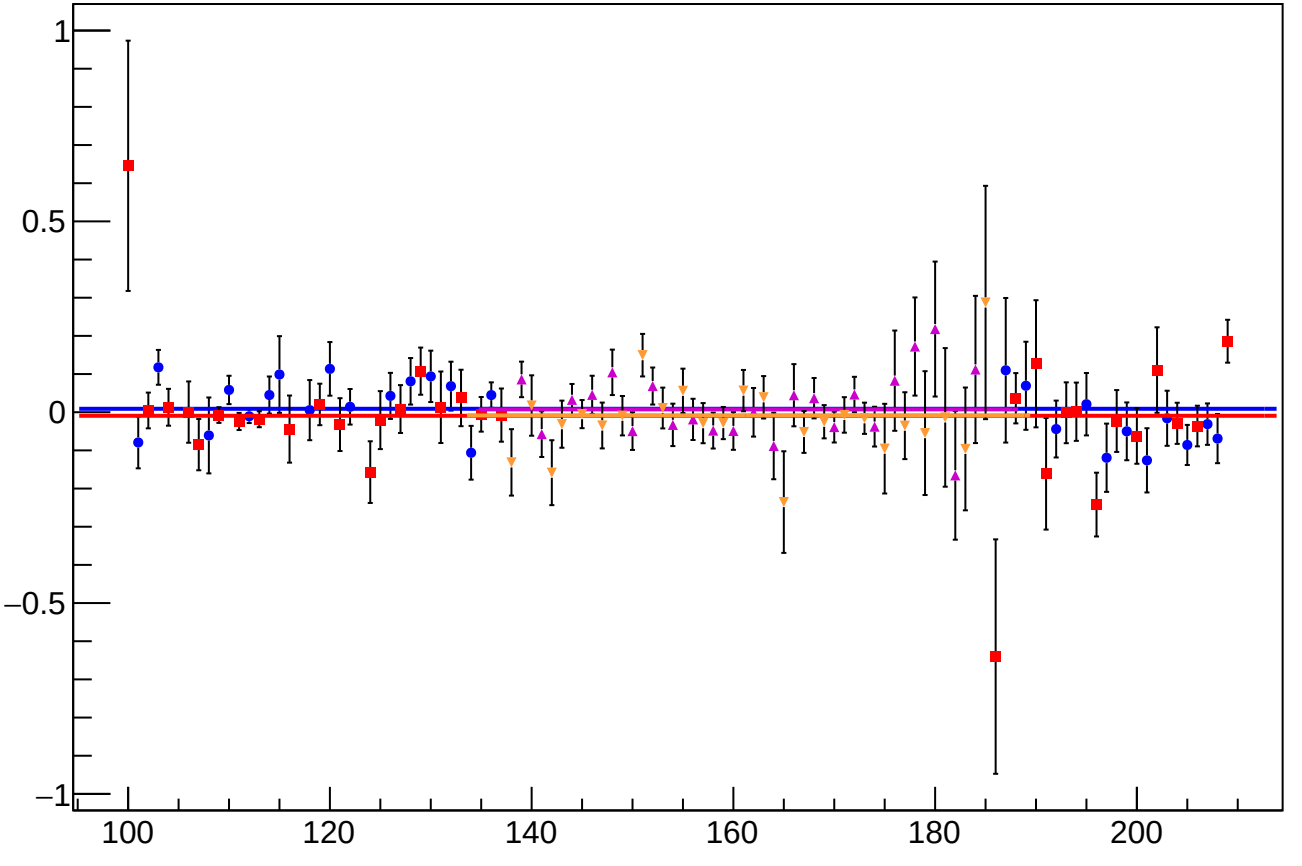
Left: 0.001+/-0.000 χ^2/NDF: 27882769.2/47

Right: 0.002+/-0.000 χ^2/NDF: 12686069.1/58

In: 0.002+/-0.000 χ^2/NDF:9554394.5/49

Out: 0.001+/-0.000 χ^2/NDF:32841774.6/56

All: 0.001+/-0.000 χ^2/NDF: 50170185.6/106



Right In: 0.009+/-0.010 χ^2/NDF: 34.1/26

Left Out: -0.008+/-0.012 χ^2/NDF:23.2/24

Right Out: -0.009+/-0.009 χ^2/NDF: 42.7/31

Left In: 0.007+/-0.012 χ^2/NDF:23.2/22

Left: -0.000+/-0.008 χ^2/NDF: 47.3/47

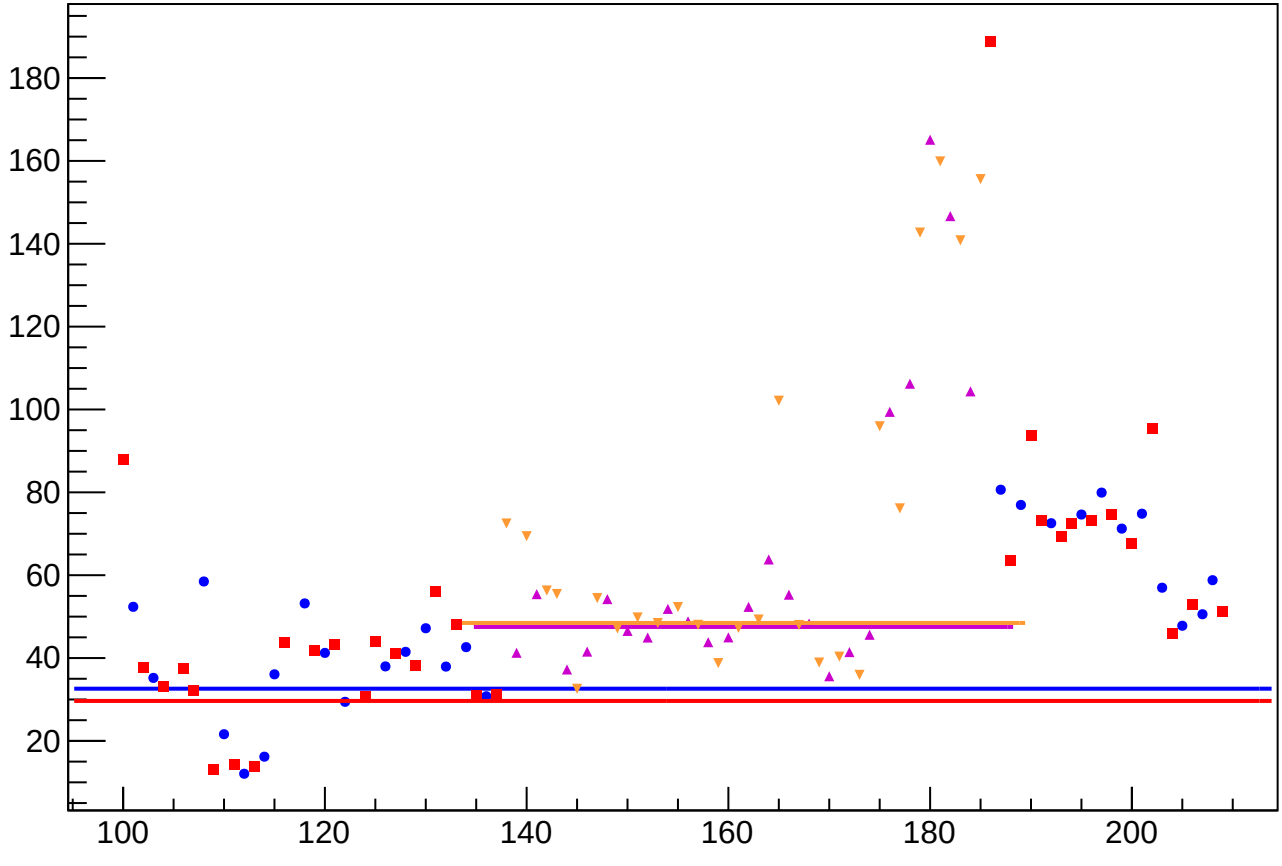
Right: -0.001+/-0.007 χ^2/NDF: 78.7/58

In: 0.008+/-0.008 χ^2/NDF:57.4/49

Out: -0.009+/-0.007 χ^2/NDF:65.9/56

All: -0.001+/-0.005 χ^2/NDF: 126.0/106

asym_sam_48_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 32.605+/-0.007 χ^2/NDF: 7846704.3/26

Left Out: 48.471+/-0.008 χ^2/NDF:4373775.4/24

Right Out: 29.648+/-0.006 χ^2/NDF: 10106772.4/31

Left In: 47.505+/-0.009 χ^2/NDF:3075116.0/22

Left: 47.989+/-0.006 χ^2/NDF: 7455357.0/47

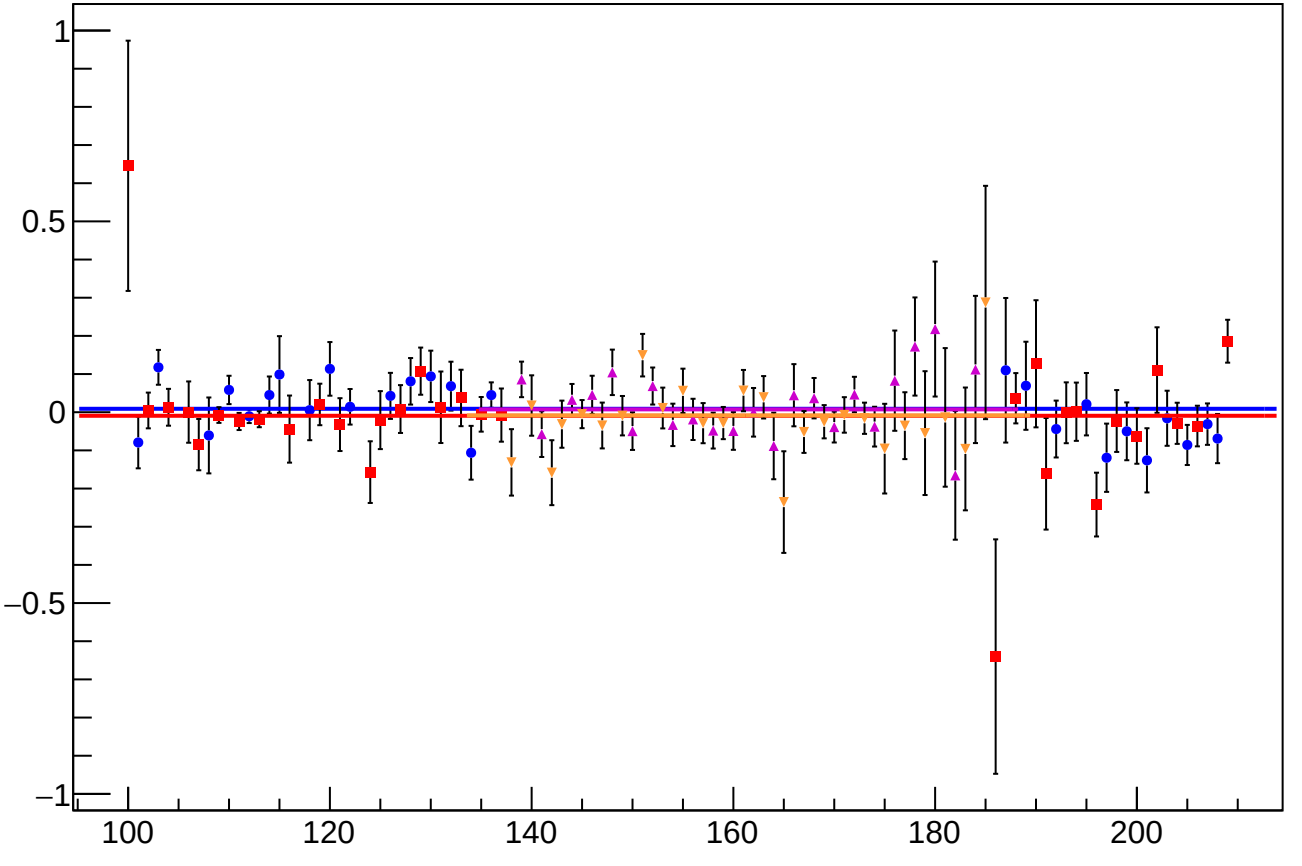
Right: 30.967+/-0.005 χ^2/NDF: 18052017.9/58

In: 38.632+/-0.005 χ^2/NDF:12748294.1/49

Out: 36.318+/-0.005 χ^2/NDF:17653991.9/56

All: 37.396+/-0.004 χ^2/NDF: 30499961.7/106

asym_sam_48_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.009+/-0.010 χ^2/NDF: 34.1/26

Left Out: -0.008+/-0.012 χ^2/NDF:23.2/24

Right Out: -0.009+/-0.009 χ^2/NDF: 42.7/31

Left In: 0.007+/-0.012 χ^2/NDF:23.2/22

Left: -0.000+/-0.008 χ^2/NDF: 47.3/47

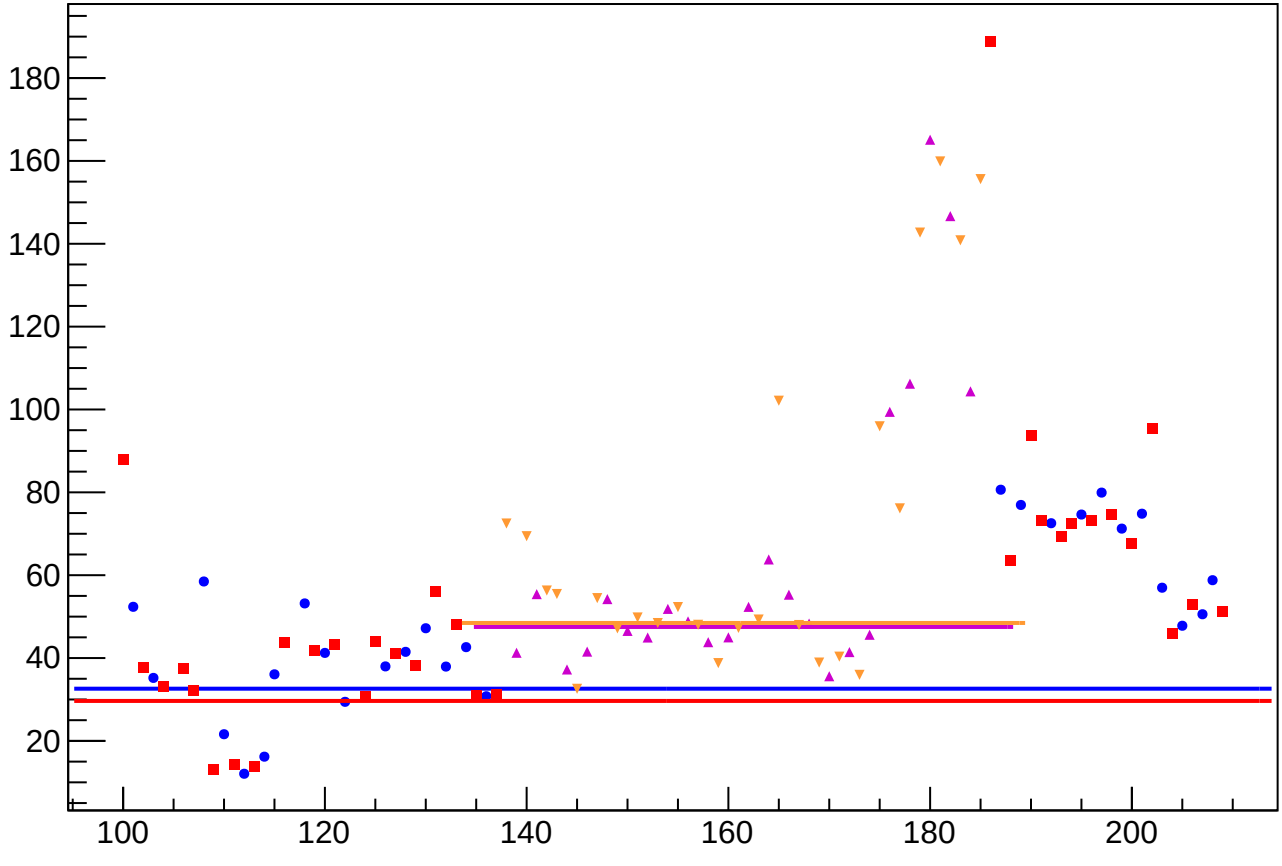
Right: -0.001+/-0.007 χ^2/NDF: 78.7/58

In: 0.008+/-0.008 χ^2/NDF:57.4/49

Out: -0.009+/-0.007 χ^2/NDF:65.9/56

All: -0.001+/-0.005 χ^2/NDF: 126.0/106

asym_sam_48_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 32.605+/-0.007 χ^2/NDF: 7846704.3/26

Left Out: 48.471+/-0.008 χ^2/NDF:4373775.4/24

Right Out: 29.648+/-0.006 χ^2/NDF: 10106772.4/31

Left In: 47.505+/-0.009 χ^2/NDF:3075116.0/22

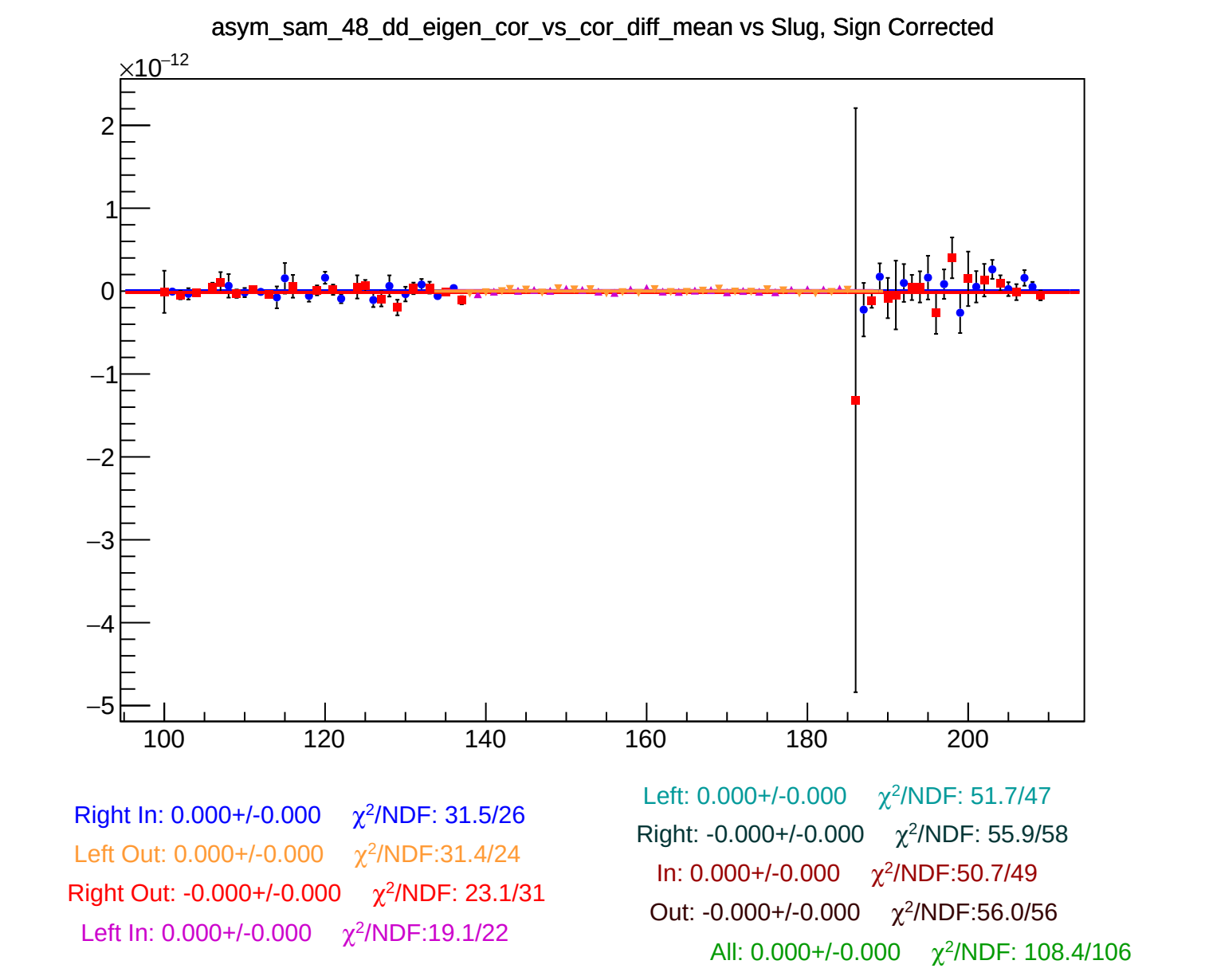
Left: 47.989+/-0.006 χ^2/NDF: 7455357.0/47

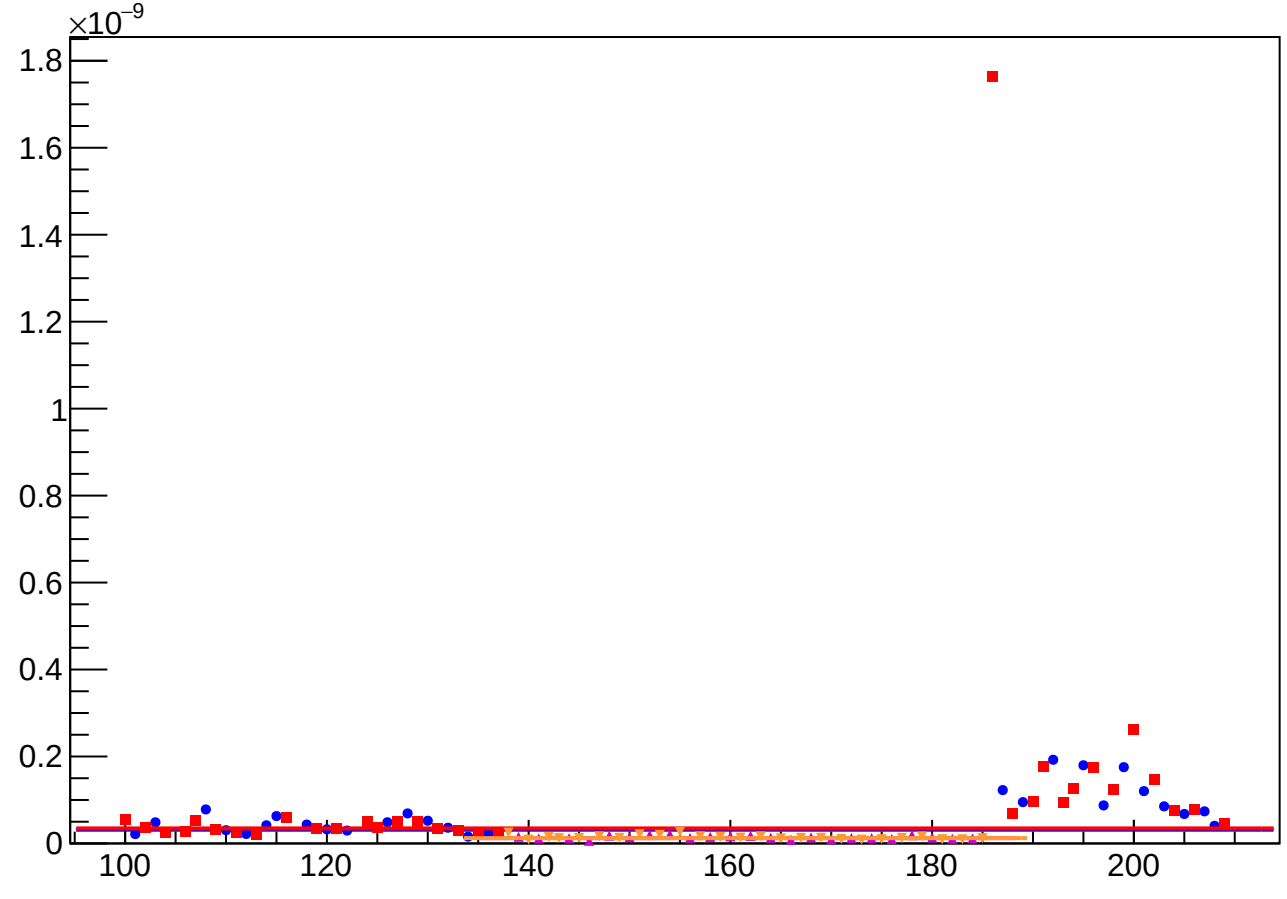
Right: 30.967+/-0.005 χ^2/NDF: 18052017.9/58

In: 38.632+/-0.005 χ^2/NDF:12748294.1/49

Out: 36.318+/-0.005 χ^2/NDF:17653991.9/56

All: 37.396+/-0.004 χ^2/NDF: 30499961.7/106


asym_sam_48_dd_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
2
1
0
−1
−2
−3
−4
−5
100
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 31.5/26
Left Out: 0.000+/-0.000 χ²/NDF:31.4/24
Right Out: -0.000+/-0.000 χ²/NDF: 23.1/31
Left In: 0.000+/-0.000 χ²/NDF:19.1/22
Left: 0.000+/-0.000 χ²/NDF: 51.7/47
Right: -0.000+/-0.000 χ²/NDF: 55.9/58
In: 0.000+/-0.000 χ²/NDF:50.7/49
Out: -0.000+/-0.000 χ²/NDF:56.0/56
All: 0.000+/-0.000 χ²/NDF: 108.4/106



Right In: 0.000+/-0.000 χ^2/NDF: 6695913.7/26

Left Out: 0.000+/-0.000 χ^2/NDF:1915201.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 6524947.8/31

Left In: 0.000+/-0.000 χ^2/NDF:1925839.7/22

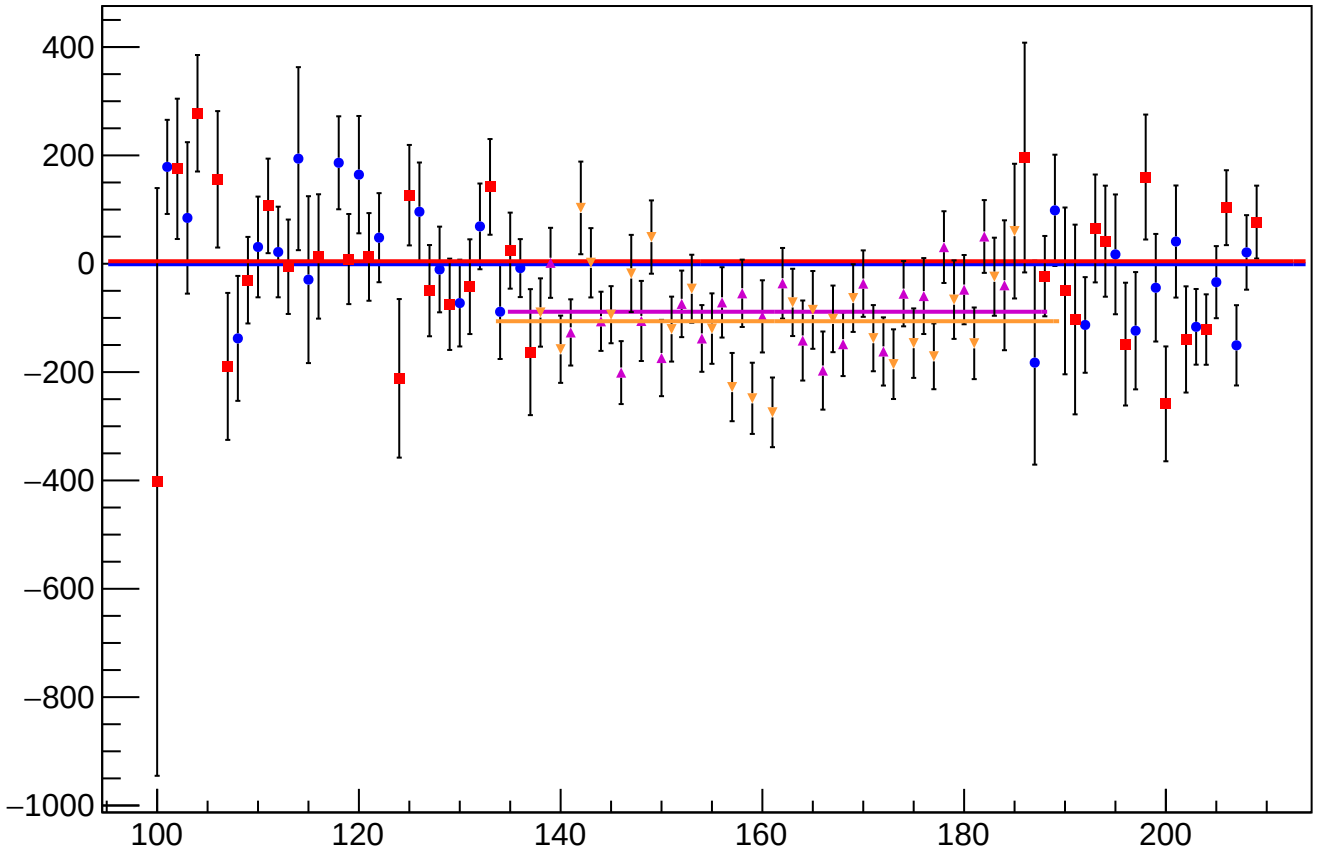
Left: 0.000+/-0.000 χ^2/NDF: 3841224.4/47

Right: 0.000+/-0.000 χ^2/NDF: 13277866.0/58

In: 0.000+/-0.000 χ^2/NDF:13452253.4/49

Out: 0.000+/-0.000 χ^2/NDF:14406440.5/56

All: 0.000+/-0.000 χ^2/NDF: 27859069.6/106



Right In: -0.912+/-16.955 χ^2/NDF: 31.1/26

Left Out: -106.100+/-13.089 χ^2/NDF:40.7/24

Right Out: 4.600+/-16.835 χ^2/NDF: 44.8/31

Left In: -88.619+/-13.566 χ^2/NDF:23.9/22

Left: -97.672+/-9.420 χ^2/NDF: 65.4/47

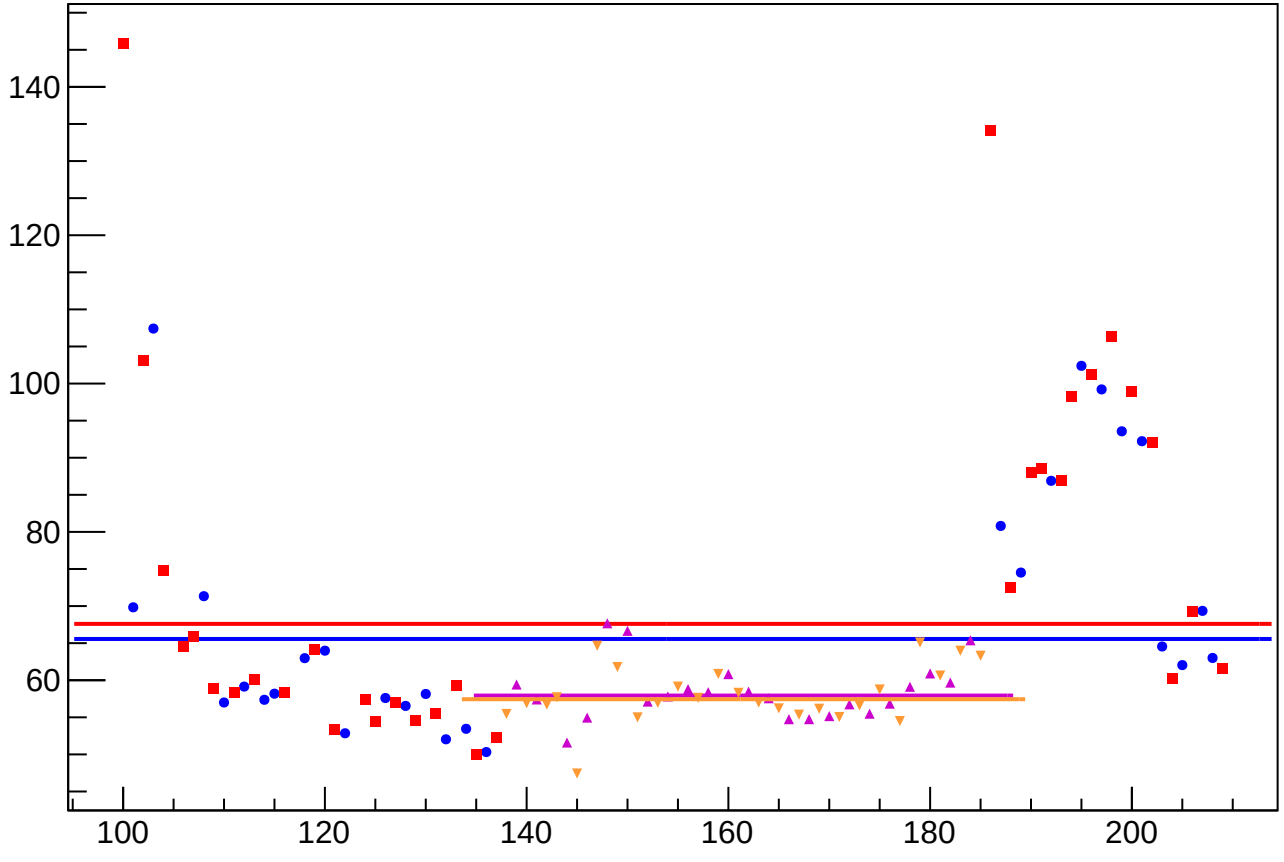
Right: 1.864+/-11.946 χ^2/NDF: 76.0/58

In: -54.385+/-10.593 χ^2/NDF:71.4/49

Out: -64.393+/-10.333 χ^2/NDF:112.4/56

All: -59.513+/-7.397 χ^2/NDF: 184.2/106

reg_asym_sam_13_57_dd_rms vs Slug, Sign Corrected



Right In: 65.564+/-0.012 χ^2/NDF: 1461190.7/26

Left Out: 57.440+/-0.009 χ^2/NDF:174555.9/24

Right Out: 67.600+/-0.012 χ^2/NDF: 1955790.6/31

Left In: 57.933+/-0.010 χ^2/NDF:135903.0/22

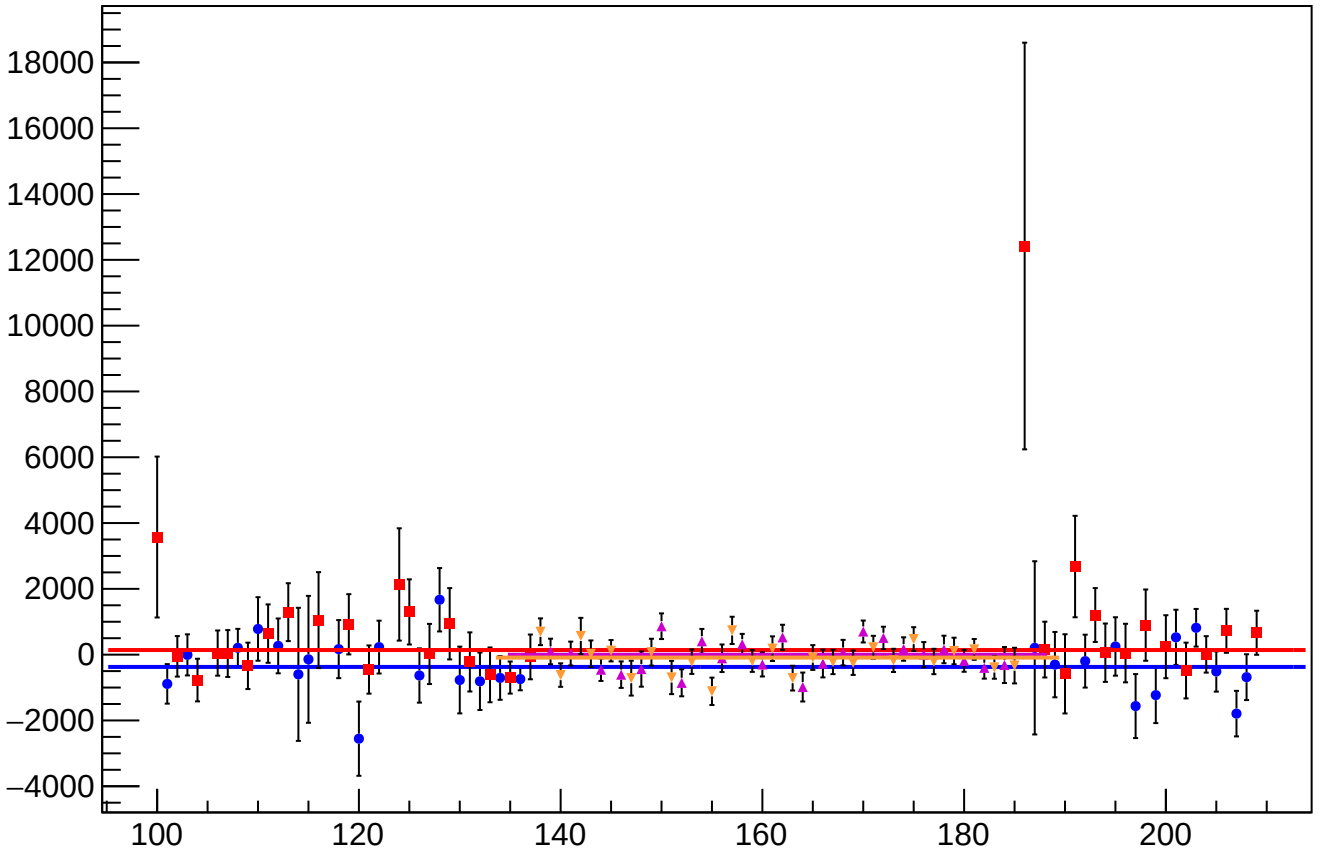
Left: 57.678+/-0.007 χ^2/NDF: 311823.9/47

Right: 66.590+/-0.008 χ^2/NDF: 3431501.5/58

In: 60.912+/-0.007 χ^2/NDF:1844145.2/49

Out: 61.268+/-0.007 χ^2/NDF:2584353.0/56

All: 61.094+/-0.005 χ^2/NDF: 4429659.0/106



Right In: -373.371+/-143.790 χ^2/NDF: 28.3/26

Left Out: -89.059+/-77.011 χ^2/NDF:29.9/24

Right Out: 140.477+/-145.167 χ^2/NDF: 26.9/31

Left In: -3.046+/-79.193 χ^2/NDF:33.6/22

Left: -47.253+/-55.210 χ^2/NDF: 64.1/47

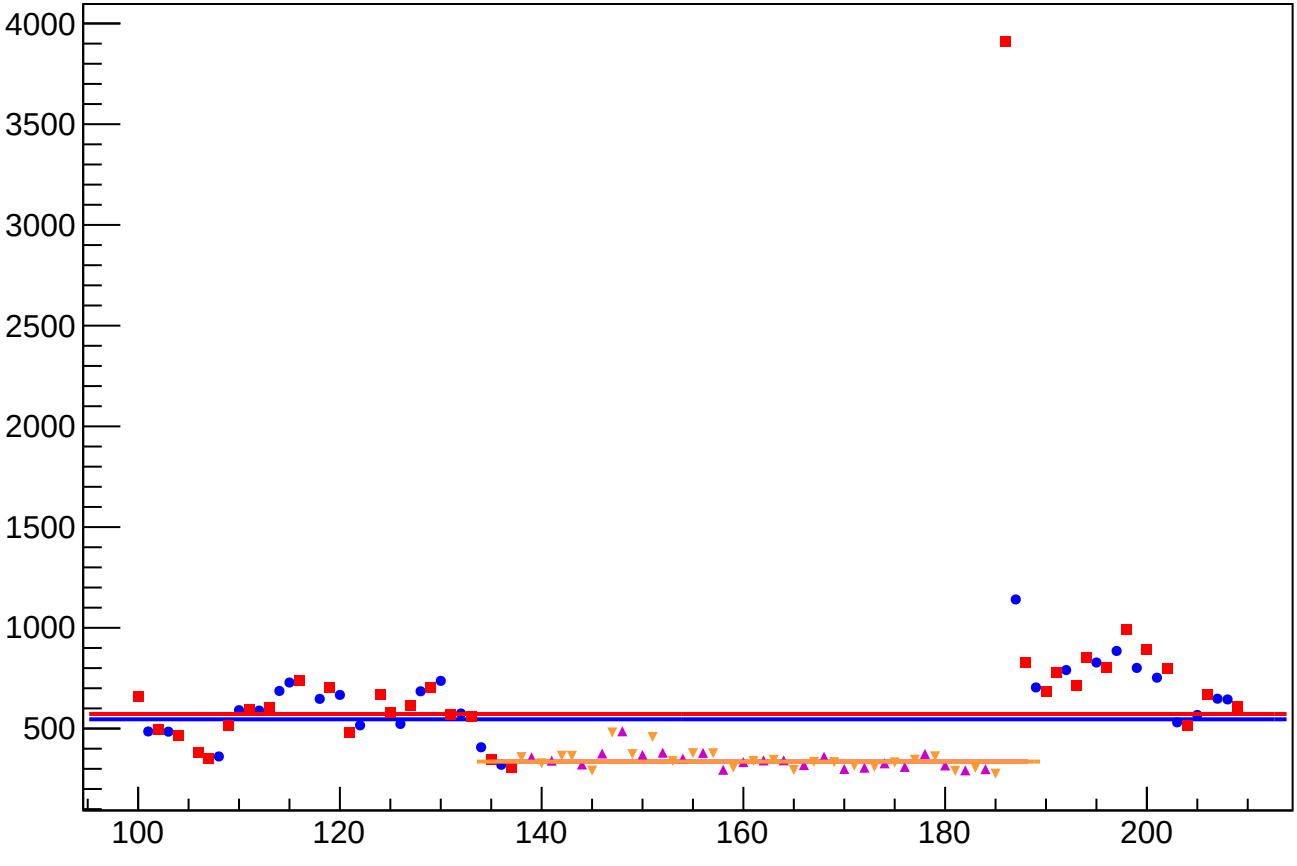
Right: -118.894+/-102.158 χ^2/NDF: 61.5/58

In: -89.233+/-69.368 χ^2/NDF:66.9/49

Out: -38.647+/-68.031 χ^2/NDF:58.7/56

All: -63.448+/-48.571 χ^2/NDF: 125.9/106

asym_sam_13_57_dd_reg_correction_rms vs Slug, Sign Corrected



Right In: 545.859+/-0.102 χ^2/NDF: 2583200.2/26

Left Out: 335.894+/-0.054 χ^2/NDF:533835.0/24

Right Out: 572.256+/-0.103 χ^2/NDF: 3274168.8/31

Left In: 336.343+/-0.056 χ^2/NDF:414202.1/22

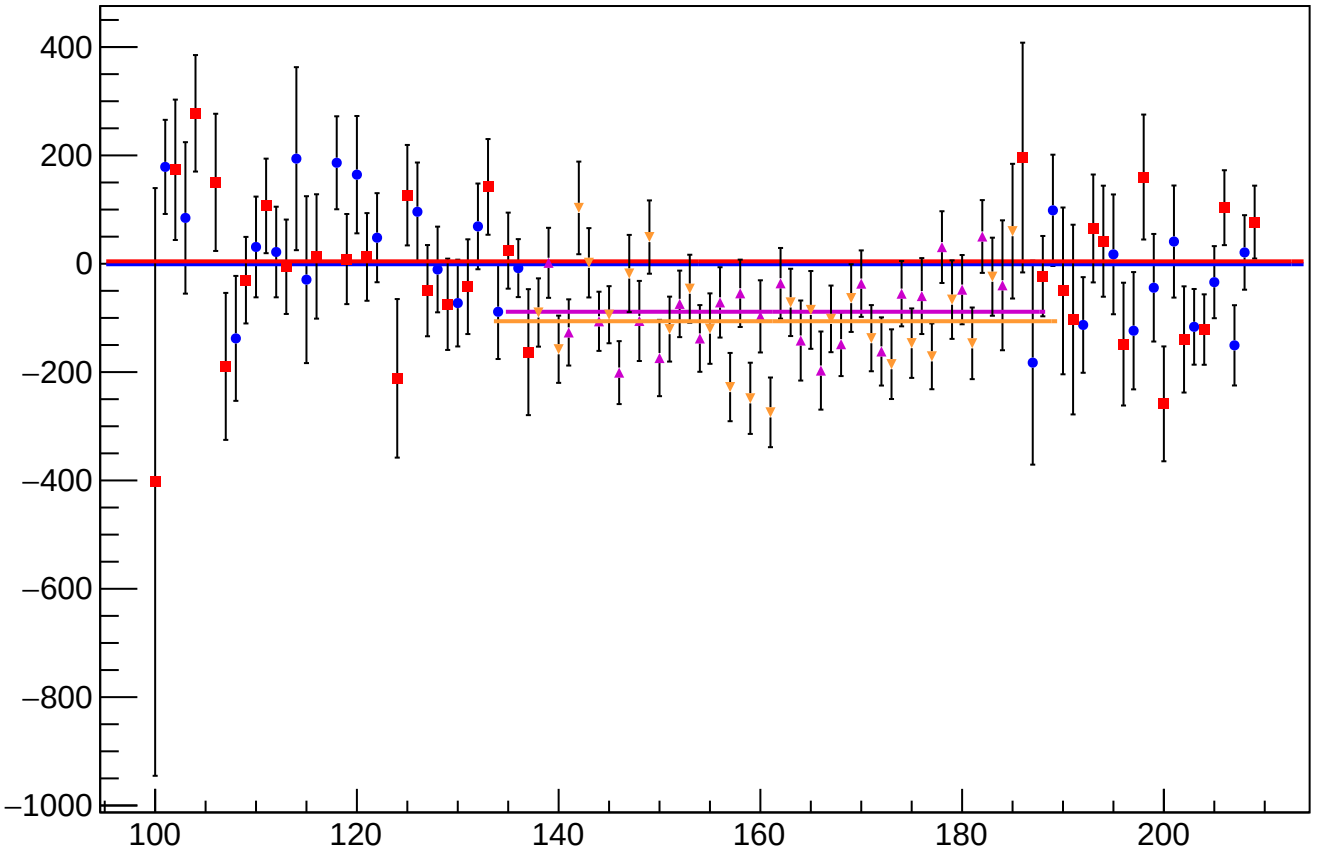
Left: 336.112+/-0.039 χ^2/NDF: 948070.1/47

Right: 558.932+/-0.072 χ^2/NDF: 5890751.2/58

In: 385.105+/-0.049 χ^2/NDF:6255383.6/49

Out: 387.805+/-0.048 χ^2/NDF:7945688.0/56

All: 386.481+/-0.034 χ^2/NDF: 14202616.3/10



Right In: -0.917+/-16.955 χ^2/NDF: 31.1/26

Left Out: -106.099+/-13.089 χ^2/NDF:40.7/24

Right Out: 4.438+/-16.837 χ^2/NDF: 44.6/31

Left In: -88.621+/-13.566 χ^2/NDF:23.9/22

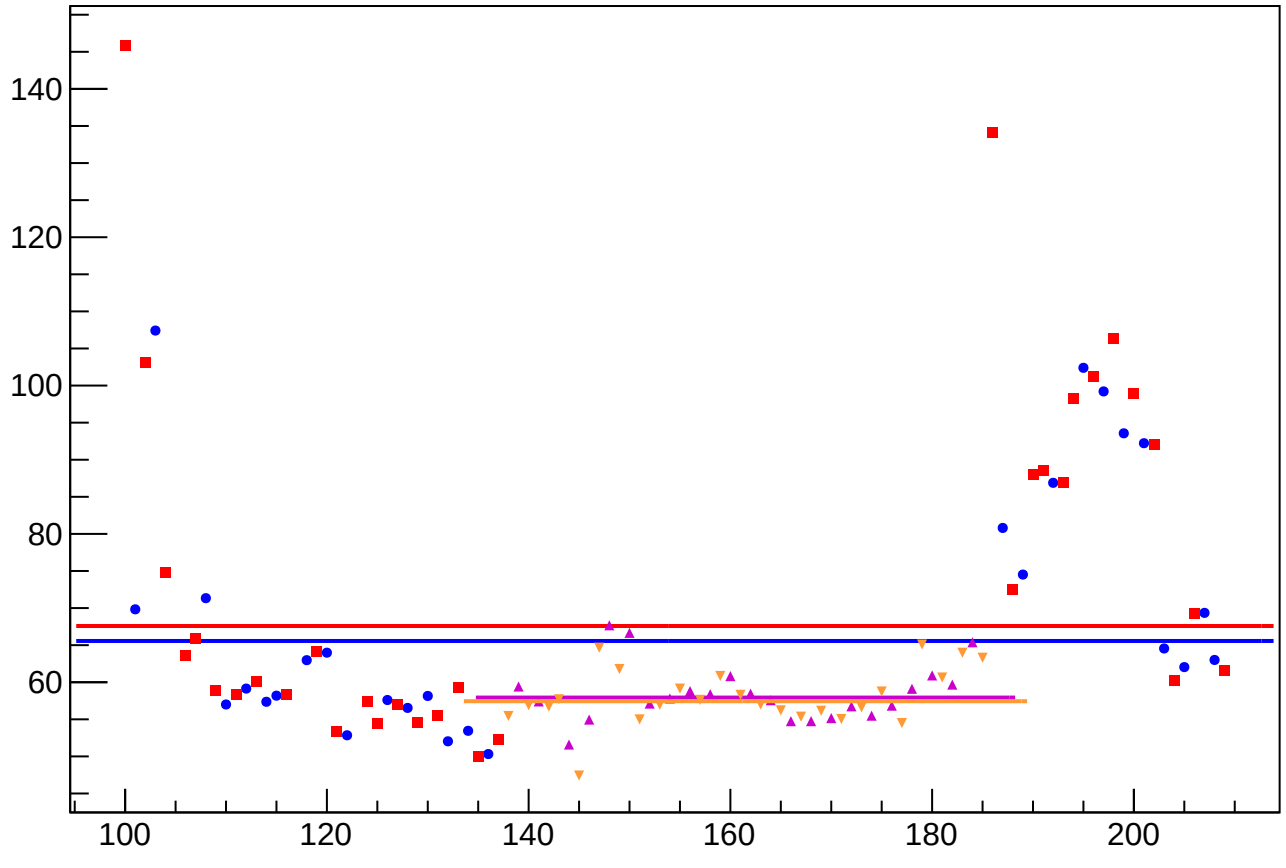
Left: -97.673+/-9.420 χ^2/NDF: 65.4/47

Right: 1.779+/-11.947 χ^2/NDF: 75.8/58

In: -54.388+/-10.593 χ^2/NDF:71.4/49

Out: -64.460+/-10.334 χ^2/NDF:112.2/56

All: -59.549+/-7.397 χ^2/NDF: 184.0/106



Right In: 65.564+/-0.012 χ^2/NDF: 1461192.7/26

Left Out: 57.440+/-0.009 χ^2/NDF:174555.9/24

Right Out: 67.584+/-0.012 χ^2/NDF: 1956851.1/31

Left In: 57.933+/-0.010 χ^2/NDF:135903.0/22

Left: 57.678+/-0.007 χ^2/NDF: 311823.9/47

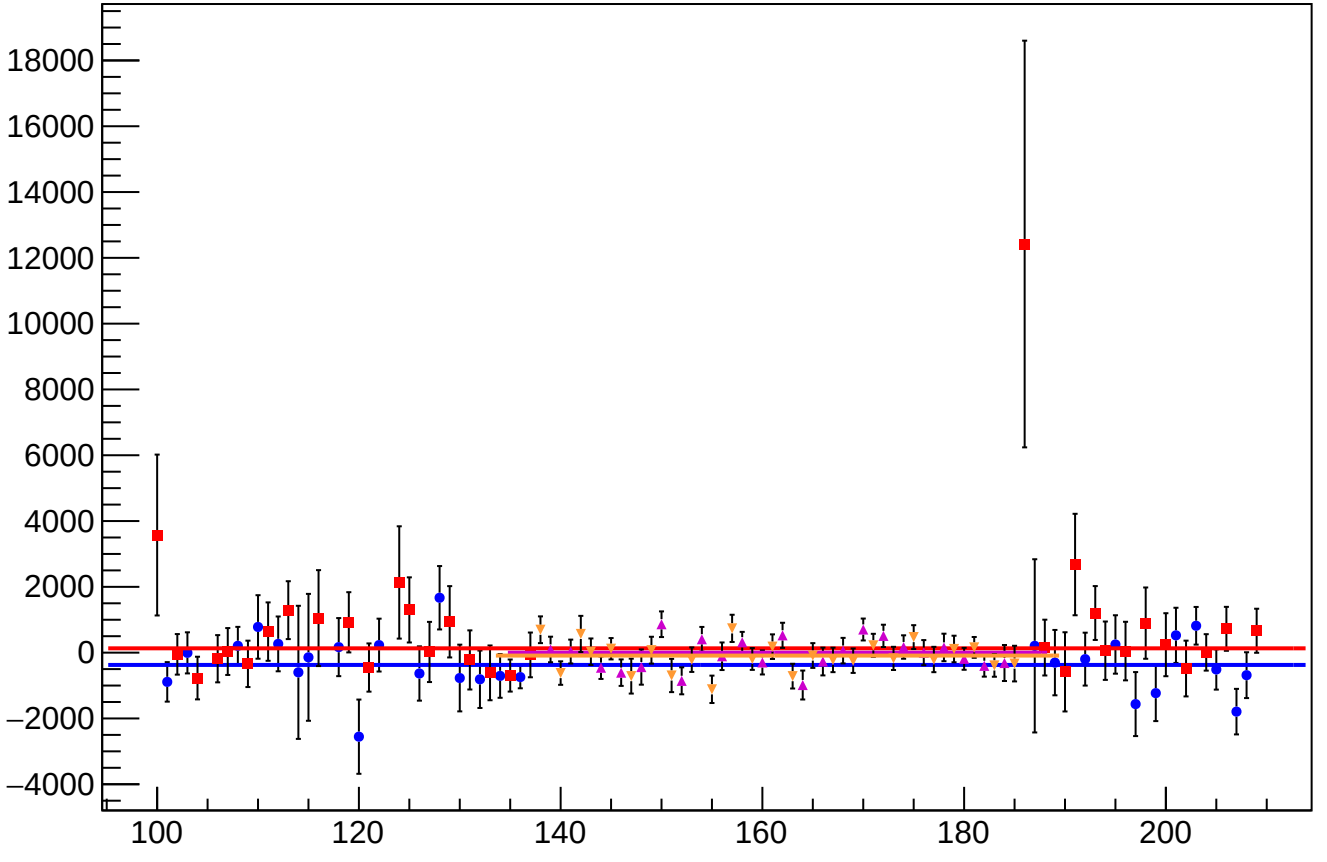
Right: 66.581+/-0.008 χ^2/NDF: 3432325.8/58

In: 60.912+/-0.007 χ^2/NDF:1844147.2/49

Out: 61.261+/-0.007 χ^2/NDF:2583866.3/56

All: 61.091+/-0.005 χ^2/NDF: 4429130.6/106

asym_sam_13_57_dd_cor_correction_mean vs Slug, Sign Corrected



Right In: -373.351+/-143.791 χ^2/NDF: 28.3/26

Left Out: -89.061+/-77.011 χ^2/NDF:29.9/24

Right Out: 131.295+/-145.448 χ^2/NDF: 27.1/31

Left In: -3.047+/-79.193 χ^2/NDF:33.6/22

Left: -47.256+/-55.210 χ^2/NDF: 64.1/47

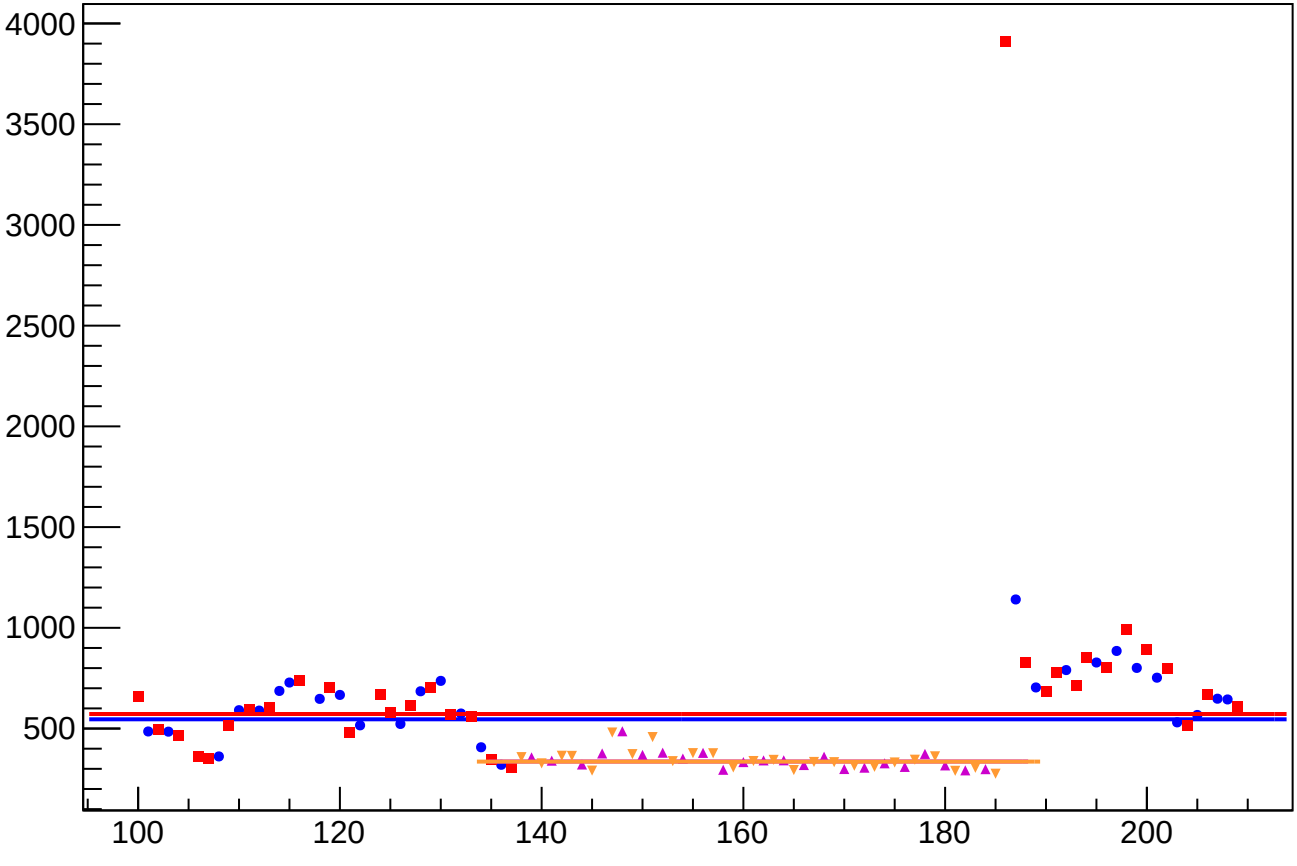
Right: -123.919+/-102.256 χ^2/NDF: 61.4/58

In: -89.230+/-69.368 χ^2/NDF:66.9/49

Out: -40.812+/-68.060 χ^2/NDF:58.8/56

All: -64.560+/-48.581 χ^2/NDF: 125.9/106

asym_sam_13_57_dd_cor_correction_rms vs Slug, Sign Corrected



Right In: 545.861+/-0.102 χ^2/NDF: 2583173.3/26

Left Out: 335.894+/-0.054 χ^2/NDF:533835.9/24

Right Out: 572.151+/-0.103 χ^2/NDF: 3293426.9/31

Left In: 336.343+/-0.056 χ^2/NDF:414205.9/22

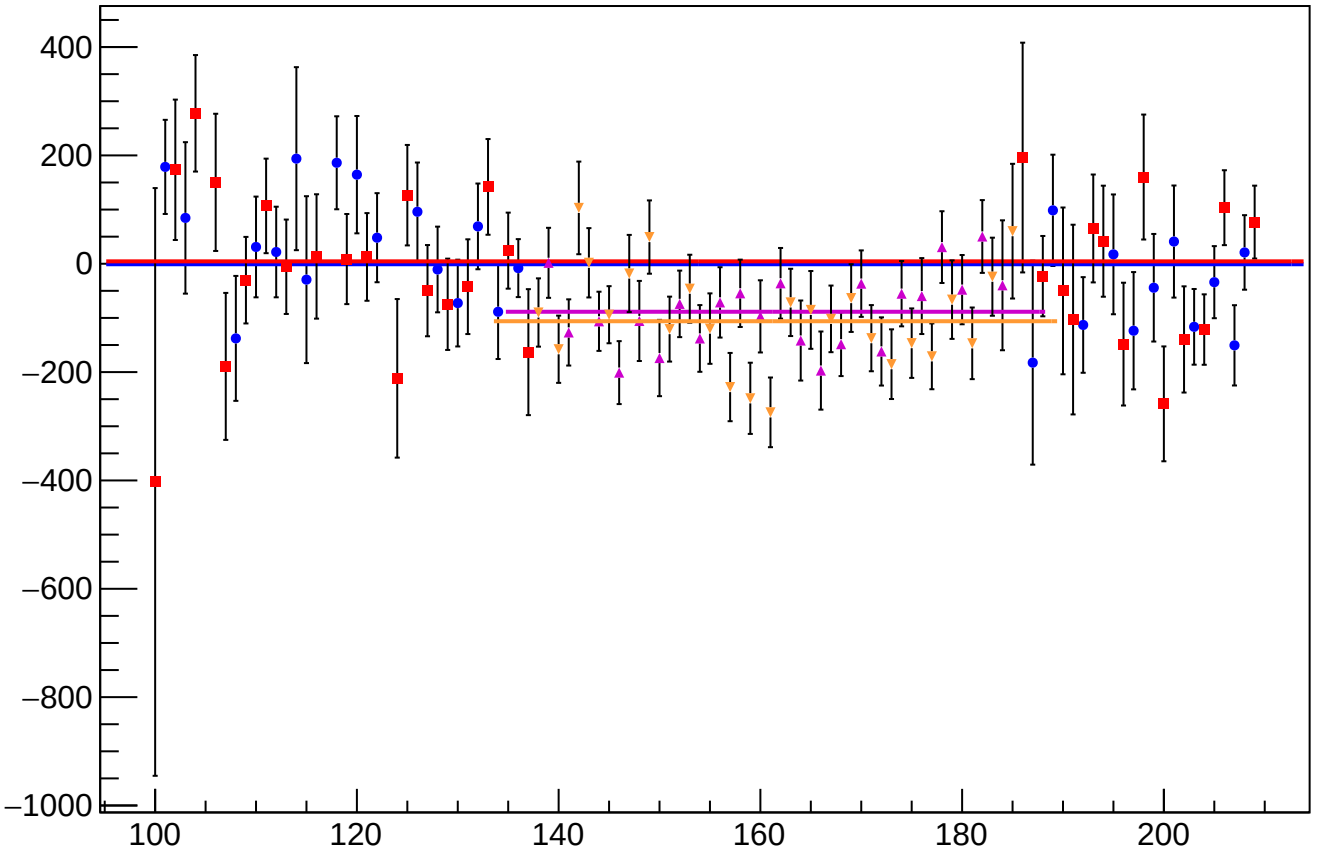
Left: 336.112+/-0.039 χ^2/NDF: 948074.8/47

Right: 558.855+/-0.072 χ^2/NDF: 5909645.4/58

In: 385.105+/-0.049 χ^2/NDF:6255414.5/49

Out: 387.625+/-0.048 χ^2/NDF:7948775.8/56

All: 386.389+/-0.034 χ^2/NDF: 14205535.4/10



Right In: -0.917+/-16.955 χ^2/NDF: 31.1/26

Left Out: -106.099+/-13.089 χ^2/NDF:40.7/24

Right Out: 4.438+/-16.837 χ^2/NDF: 44.6/31

Left In: -88.621+/-13.566 χ^2/NDF:23.9/22

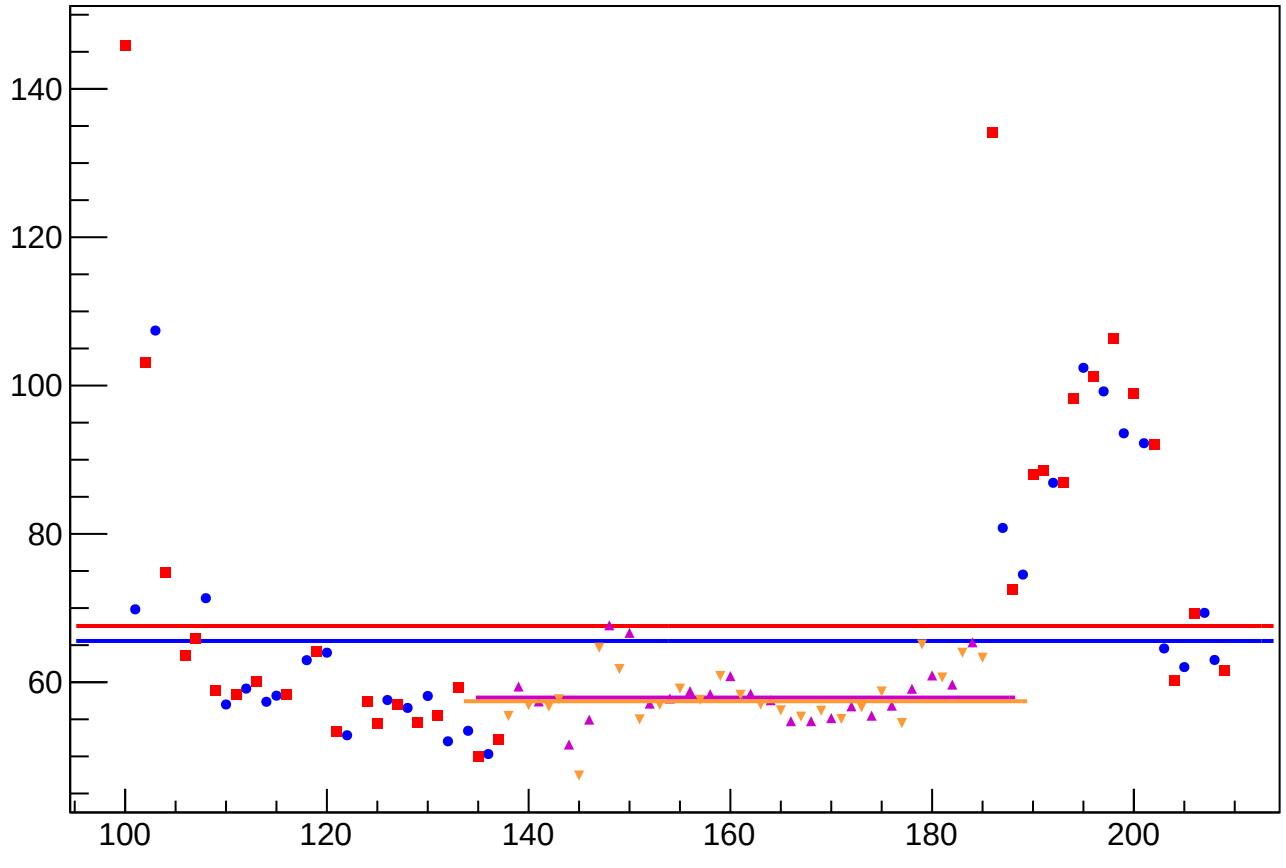
Left: -97.673+/-9.420 χ^2/NDF: 65.4/47

Right: 1.779+/-11.947 χ^2/NDF: 75.8/58

In: -54.388+/-10.593 χ^2/NDF:71.4/49

Out: -64.460+/-10.334 χ^2/NDF:112.2/56

All: -59.549+/-7.397 χ^2/NDF: 184.0/106



Right In: 65.564+/-0.012 χ^2/NDF: 1461192.7/26

Left Out: 57.440+/-0.009 χ^2/NDF:174555.9/24

Right Out: 67.584+/-0.012 χ^2/NDF: 1956851.1/31

Left In: 57.933+/-0.010 χ^2/NDF:135903.0/22

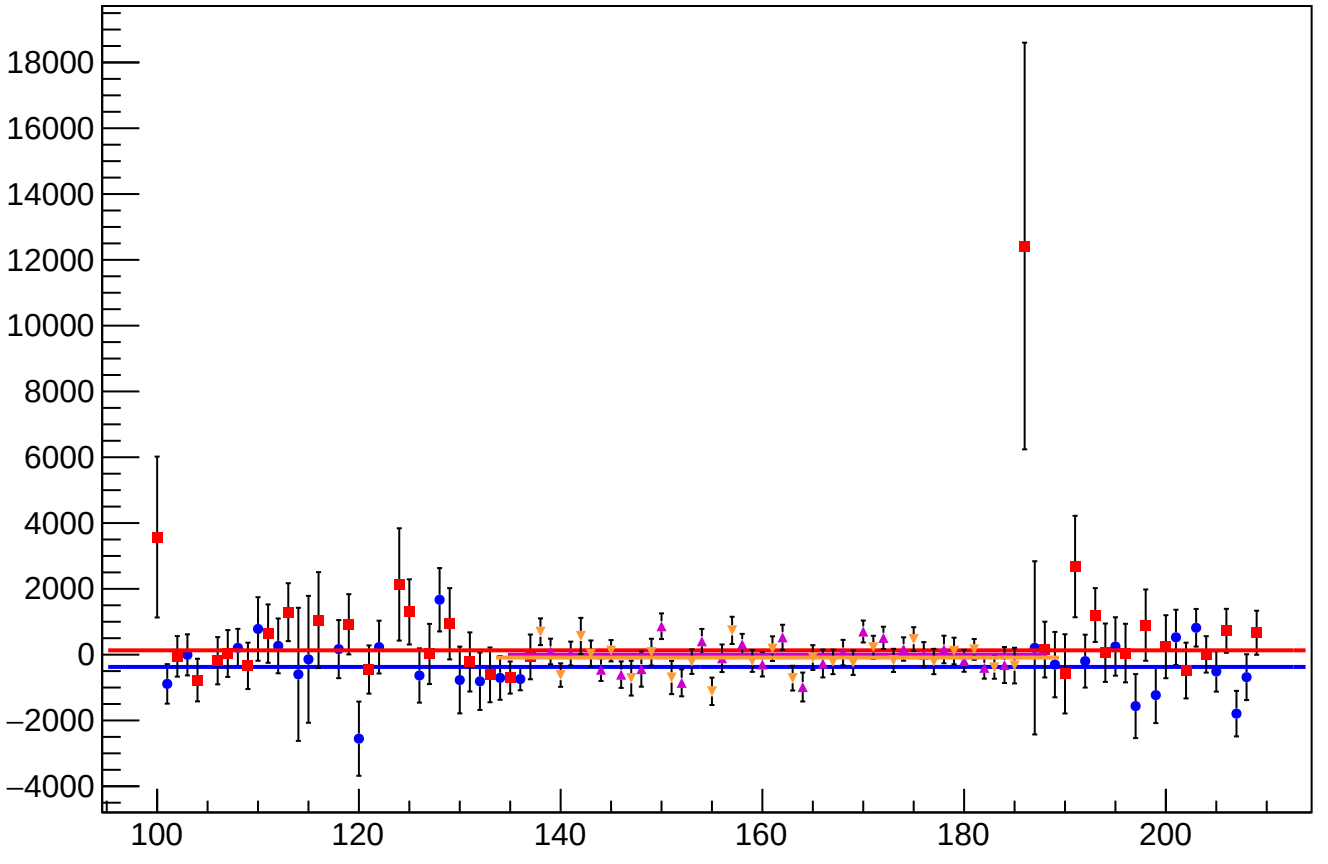
Left: 57.678+/-0.007 χ^2/NDF: 311823.9/47

Right: 66.581+/-0.008 χ^2/NDF: 3432325.8/58

In: 60.912+/-0.007 χ^2/NDF:1844147.2/49

Out: 61.261+/-0.007 χ^2/NDF:2583866.3/56

All: 61.091+/-0.005 χ^2/NDF: 4429130.6/106



Right In: -373.351+/-143.791 χ^2/NDF: 28.3/26

Left Out: -89.061+/-77.011 χ^2/NDF:29.9/24

Right Out: 131.295+/-145.448 χ^2/NDF: 27.1/31

Left In: -3.047+/-79.193 χ^2/NDF:33.6/22

Left: -47.256+/-55.210 χ^2/NDF: 64.1/47

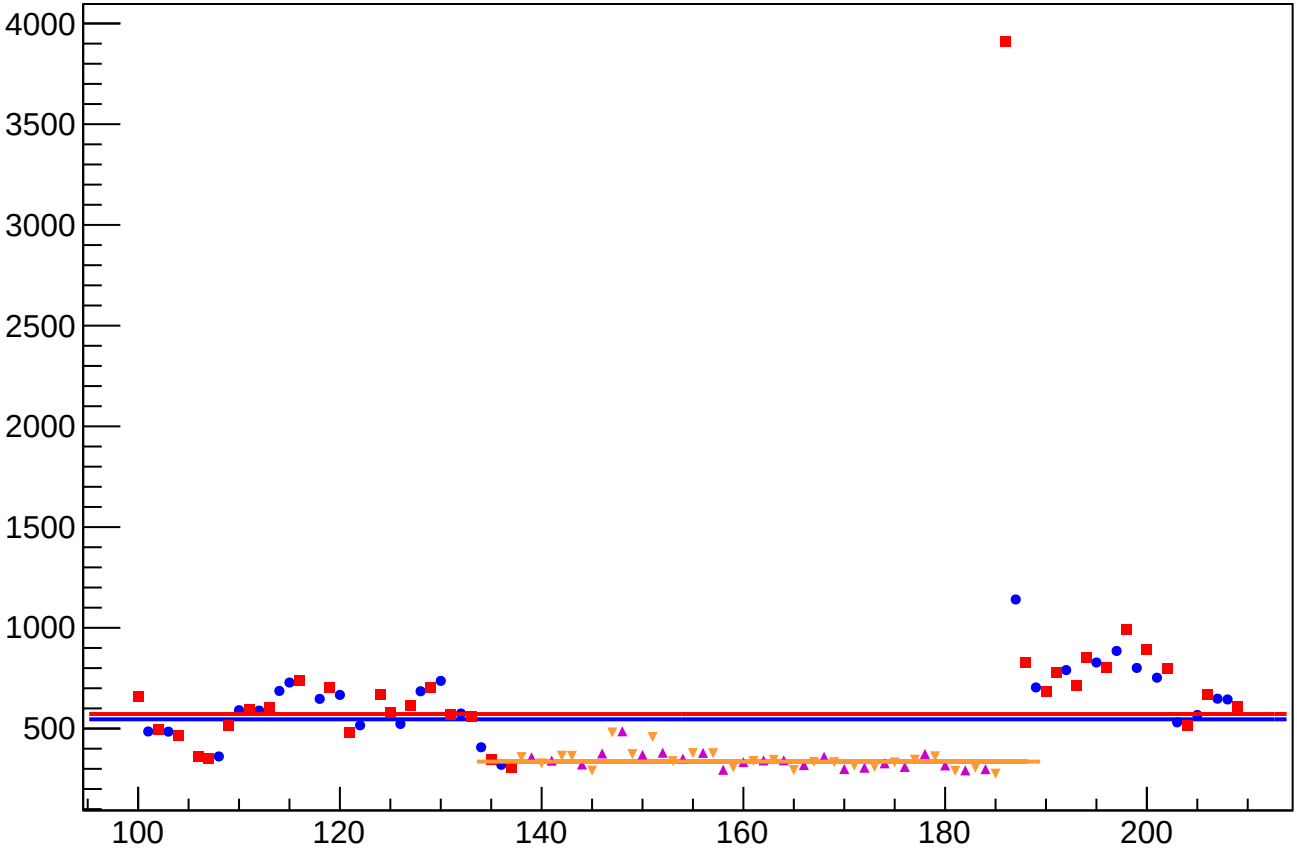
Right: -123.919+/-102.256 χ^2/NDF: 61.4/58

In: -89.230+/-69.368 χ^2/NDF:66.9/49

Out: -40.812+/-68.060 χ^2/NDF:58.8/56

All: -64.560+/-48.581 χ^2/NDF: 125.9/106

asym_sam_13_57_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 545.861+/-0.102 χ^2/NDF: 2583173.3/26

Left Out: 335.894+/-0.054 χ^2/NDF:533835.9/24

Right Out: 572.151+/-0.103 χ^2/NDF: 3293426.9/31

Left In: 336.343+/-0.056 χ^2/NDF:414205.9/22

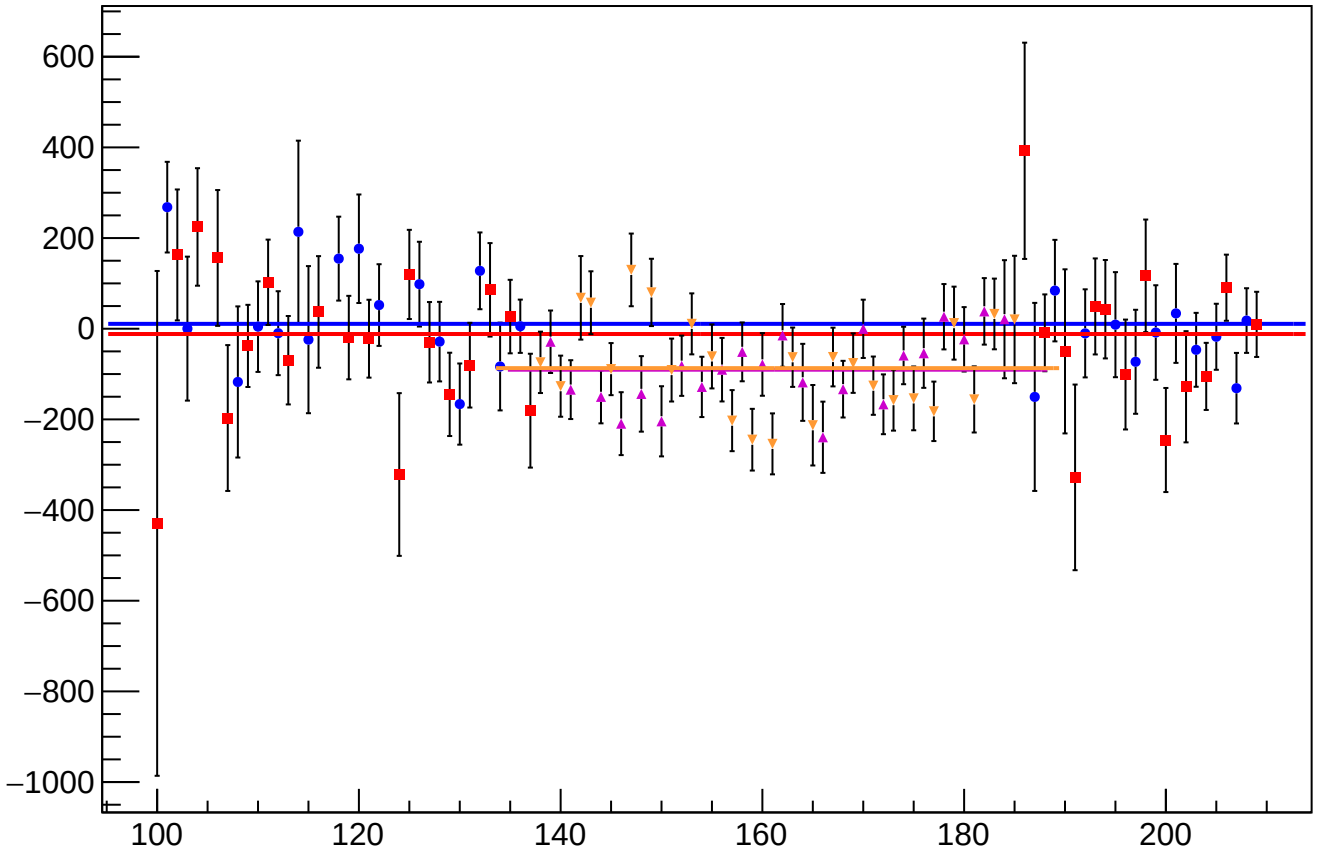
Left: 336.112+/-0.039 χ^2/NDF: 948074.8/47

Right: 558.855+/-0.072 χ^2/NDF: 5909645.4/58

In: 385.105+/-0.049 χ^2/NDF:6255414.5/49

Out: 387.625+/-0.048 χ^2/NDF:7948775.8/56

All: 386.389+/-0.034 χ^2/NDF: 14205535.4/10



Right In: 10.747+/-18.550 χ^2/NDF: 26.4/26

Left Out: -86.957+/-14.175 χ^2/NDF:48.8/24

Right Out: -11.660+/-18.628 χ^2/NDF: 36.6/31

Left In: -90.363+/-14.656 χ^2/NDF:25.0/22

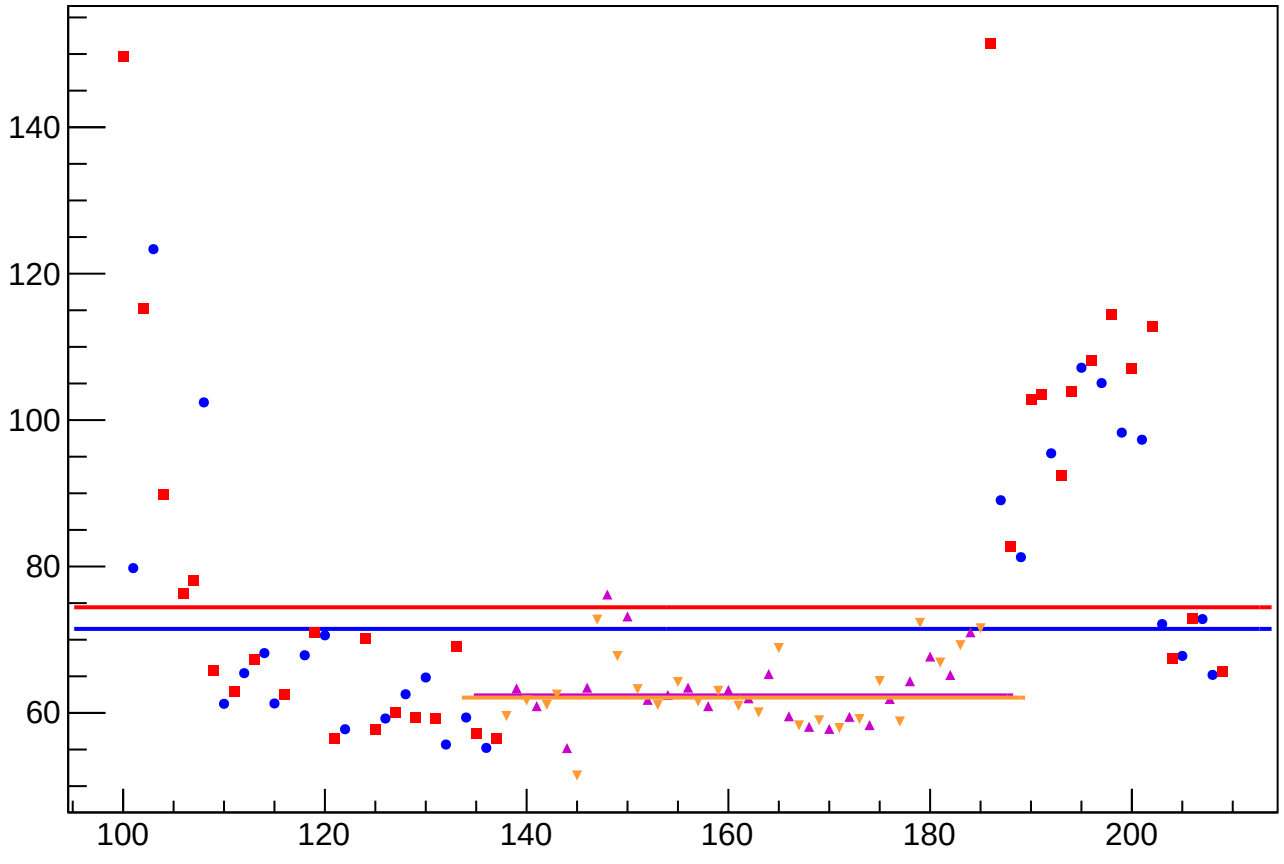
Left: -88.603+/-10.189 χ^2/NDF: 73.9/47

Right: -0.410+/-13.144 χ^2/NDF: 63.7/58

In: -51.503+/-11.500 χ^2/NDF:69.7/49

Out: -59.346+/-11.280 χ^2/NDF:95.7/56

All: -55.500+/-8.053 χ^2/NDF: 165.7/106



Right In: 71.478+/-0.013 χ^2/NDF: 1481311.7/26

Left Out: 62.093+/-0.010 χ^2/NDF:233343.0/24

Right Out: 74.430+/-0.013 χ^2/NDF: 2039340.4/31

Left In: 62.395+/-0.010 χ^2/NDF:188814.3/22

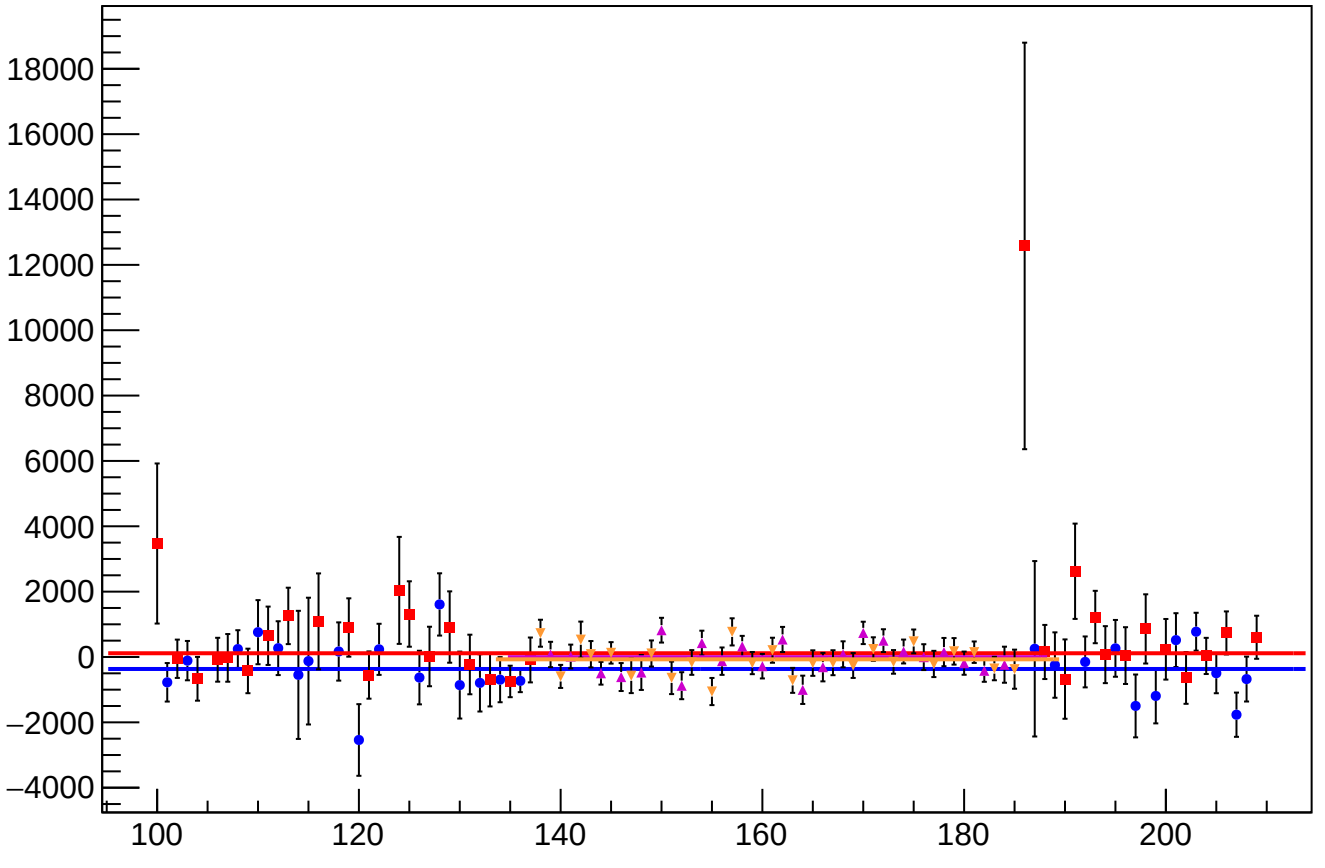
Left: 62.239+/-0.007 χ^2/NDF: 422596.0/47

Right: 72.948+/-0.009 χ^2/NDF: 3545859.3/58

In: 65.886+/-0.008 χ^2/NDF:1965343.4/49

Out: 66.617+/-0.008 χ^2/NDF:2828179.2/56

All: 66.258+/-0.006 χ^2/NDF: 4797638.4/106



Right In: -366.875+/-143.192 χ^2/NDF: 27.4/26

Left Out: -71.324+/-78.399 χ^2/NDF:28.6/24

Right Out: 114.316+/-143.319 χ^2/NDF: 28.3/31

Left In: -6.134+/-80.760 χ^2/NDF:34.0/22

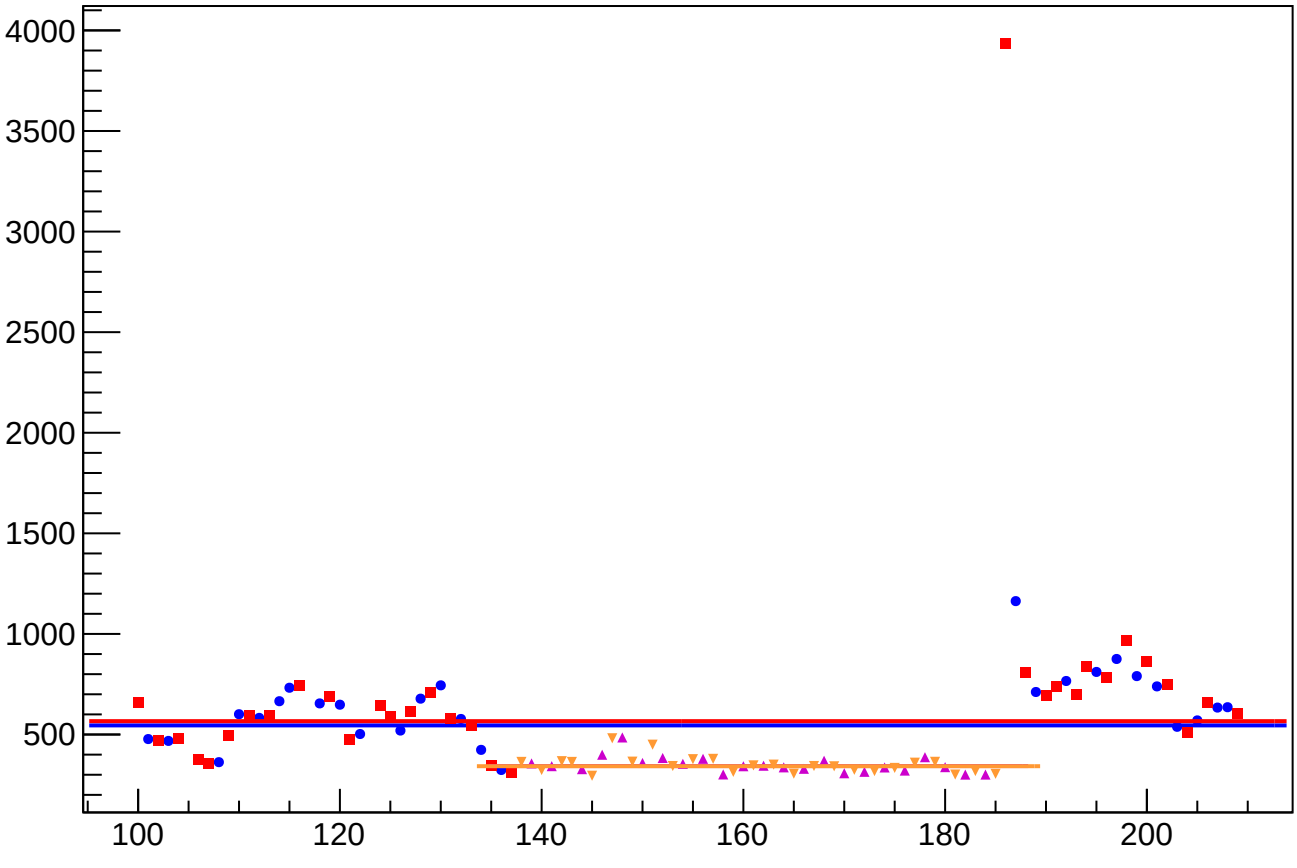
Left: -39.696+/-56.253 χ^2/NDF: 62.9/47

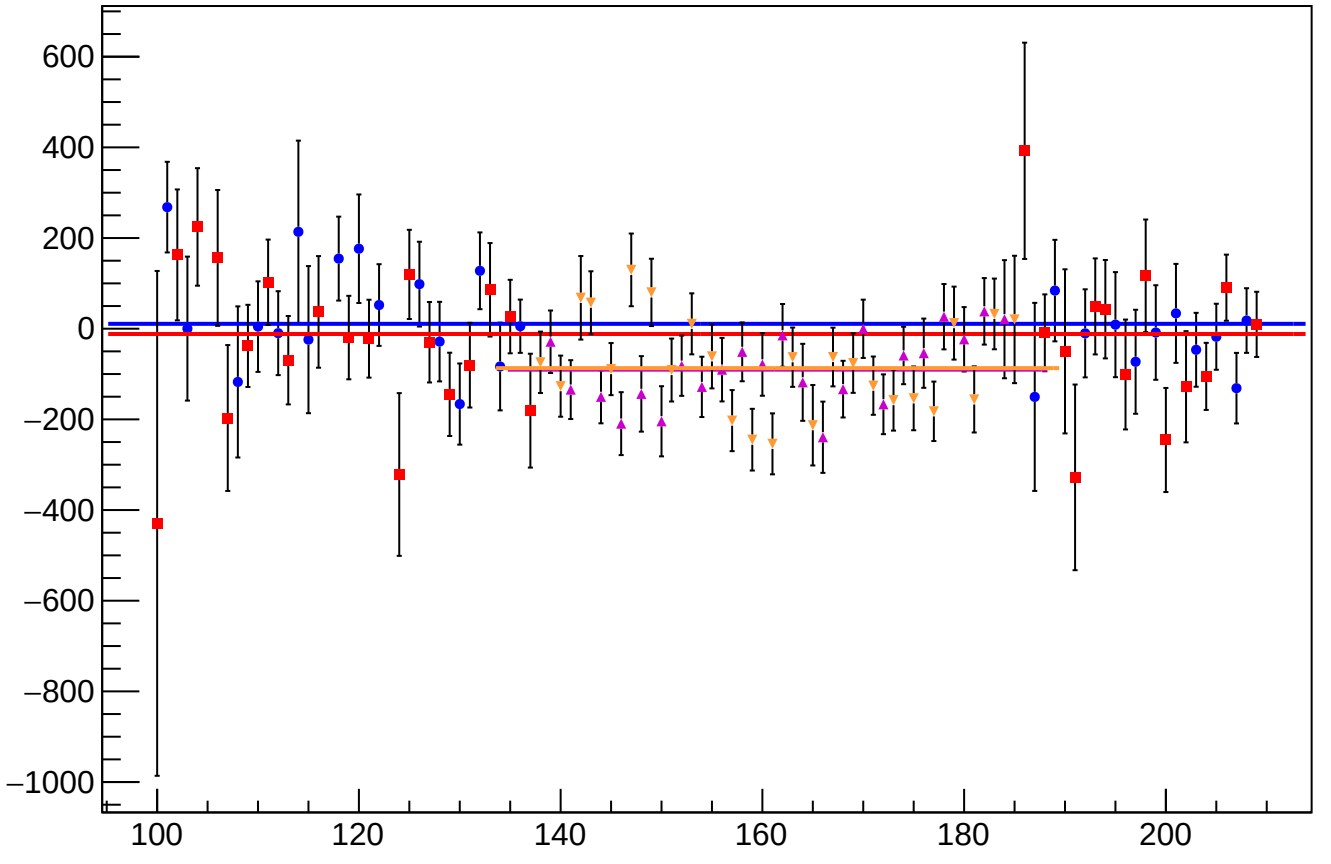
Right: -126.493+/-101.297 χ^2/NDF: 61.3/58

In: -93.192+/-70.343 χ^2/NDF:66.2/49

Out: -28.568+/-68.781 χ^2/NDF:58.1/56

All: -60.154+/-49.179 χ^2/NDF: 124.8/106


asym_sam_13_57_dd_dit_correction_rms vs Slug, Sign Corrected
4000
3500
3000
2500
2000
1500
1000
500
100
120
140
160
180
200
Right In: 545.334+/-0.101 χ²/NDF: 2454999.0/26
Left Out: 342.502+/-0.055 χ²/NDF:434208.3/24
Right Out: 566.430+/-0.101 χ²/NDF: 3134765.0/31
Left In: 343.245+/-0.057 χ²/NDF:372991.6/22
Left: 342.863+/-0.040 χ²/NDF: 807286.9/47
Right: 555.872+/-0.072 χ²/NDF: 5611449.7/58
In: 392.015+/-0.050 χ²/NDF:5850261.2/49
Out: 394.077+/-0.049 χ²/NDF:7326893.7/56
All: 393.069+/-0.035 χ²/NDF: 13178033.7/10



Right In: 10.747+/-18.550 χ^2/NDF: 26.4/26

Left Out: -86.957+/-14.175 χ^2/NDF:48.8/24

Right Out: -11.660+/-18.628 χ^2/NDF: 36.6/31

Left In: -90.363+/-14.656 χ^2/NDF:25.0/22

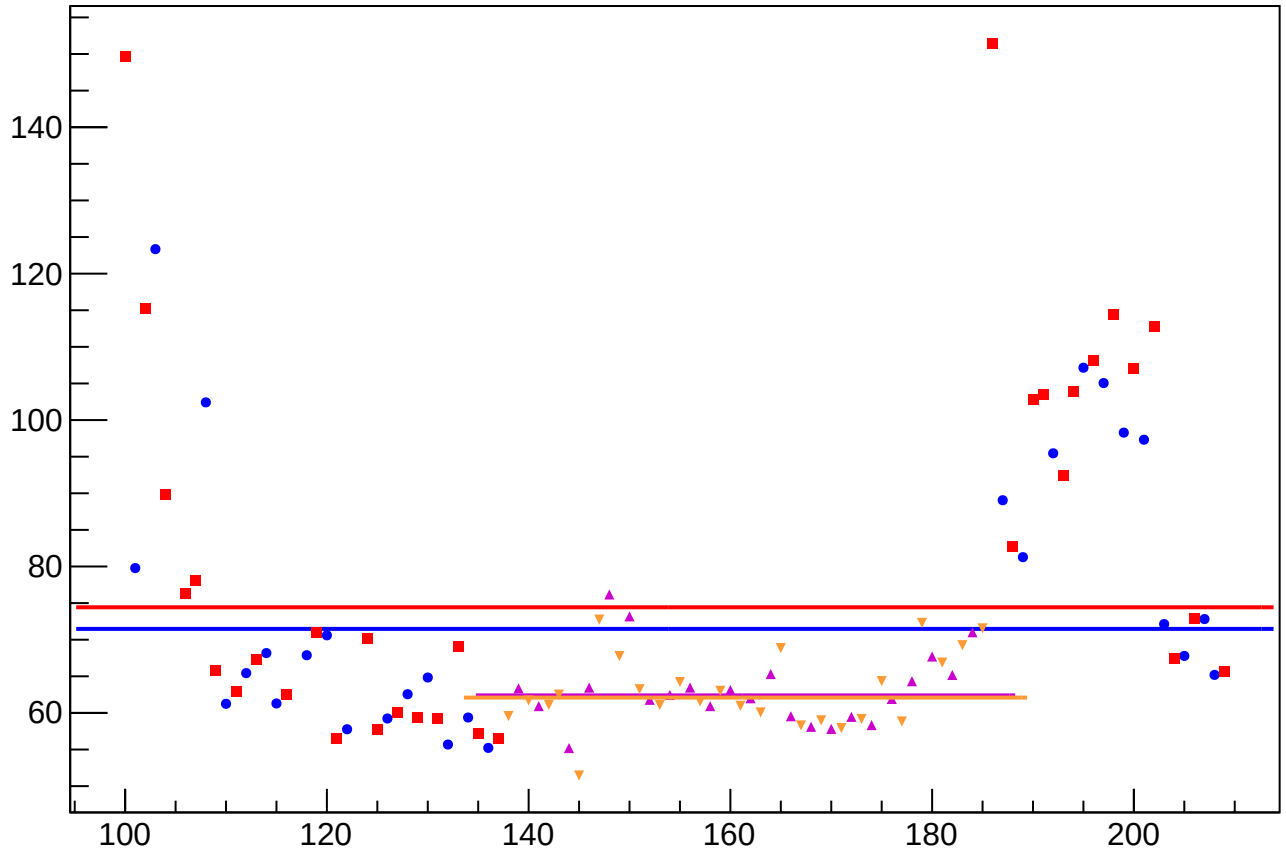
Left: -88.603+/-10.189 χ^2/NDF: 73.9/47

Right: -0.410+/-13.144 χ^2/NDF: 63.7/58

In: -51.503+/-11.500 χ^2/NDF:69.7/49

Out: -59.346+/-11.280 χ^2/NDF:95.7/56

All: -55.500+/-8.053 χ^2/NDF: 165.7/106



Right In: 71.478+/-0.013 χ^2/NDF: 1481332.8/26

Left Out: 62.093+/-0.010 χ^2/NDF:233347.2/24

Right Out: 74.429+/-0.013 χ^2/NDF: 2039343.1/31

Left In: 62.395+/-0.010 χ^2/NDF:188817.4/22

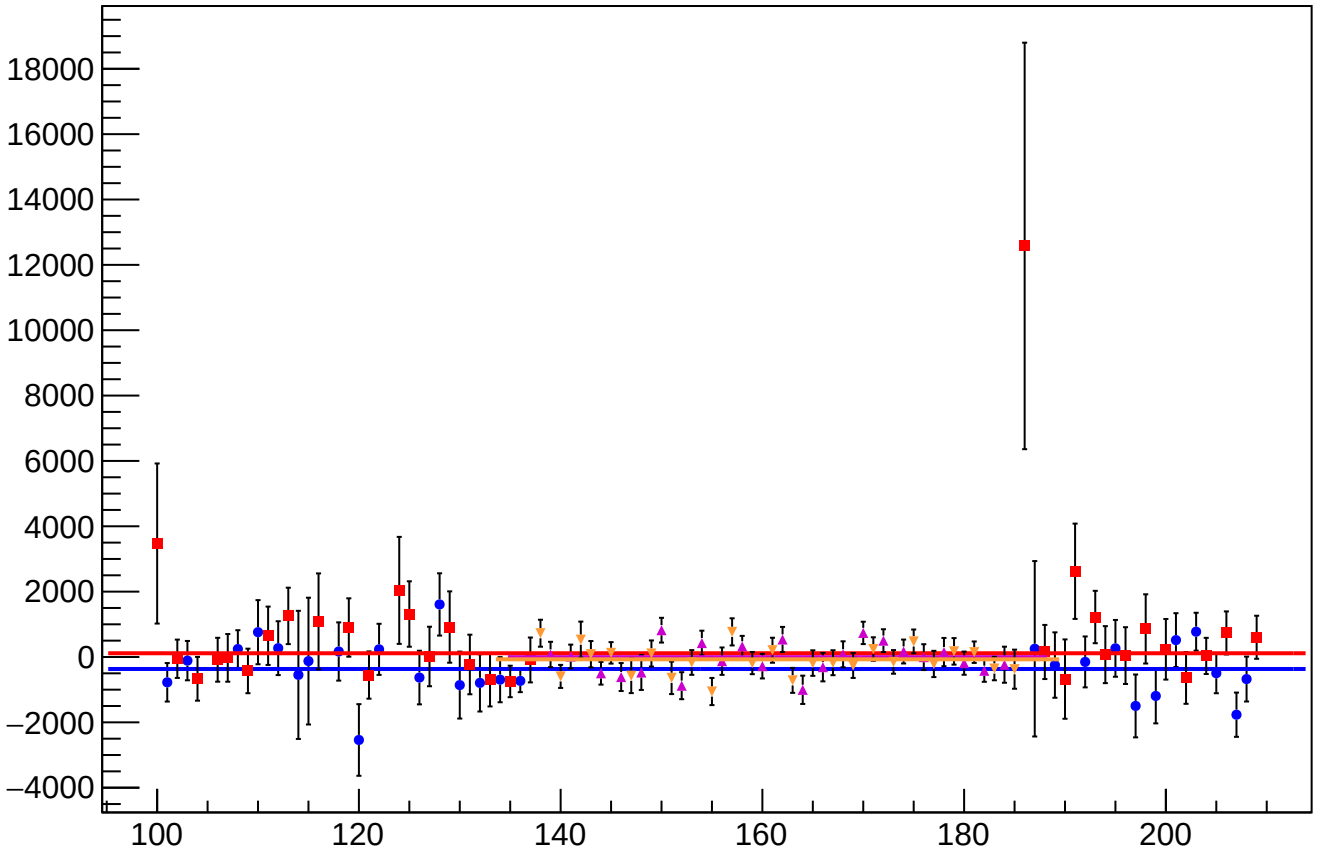
Left: 62.239+/-0.007 χ^2/NDF: 422603.3/47

Right: 72.948+/-0.009 χ^2/NDF: 3545883.2/58

In: 65.886+/-0.008 χ^2/NDF:1965362.1/49

Out: 66.617+/-0.008 χ^2/NDF:2828181.3/56

All: 66.258+/-0.006 χ^2/NDF: 4797659.0/106



Right In: -366.875+/-143.191 χ^2/NDF: 27.4/26

Left Out: -71.324+/-78.399 χ^2/NDF:28.6/24

Right Out: 114.316+/-143.319 χ^2/NDF: 28.3/31

Left In: -6.134+/-80.760 χ^2/NDF:34.0/22

Left: -39.696+/-56.253 χ^2/NDF: 62.9/47

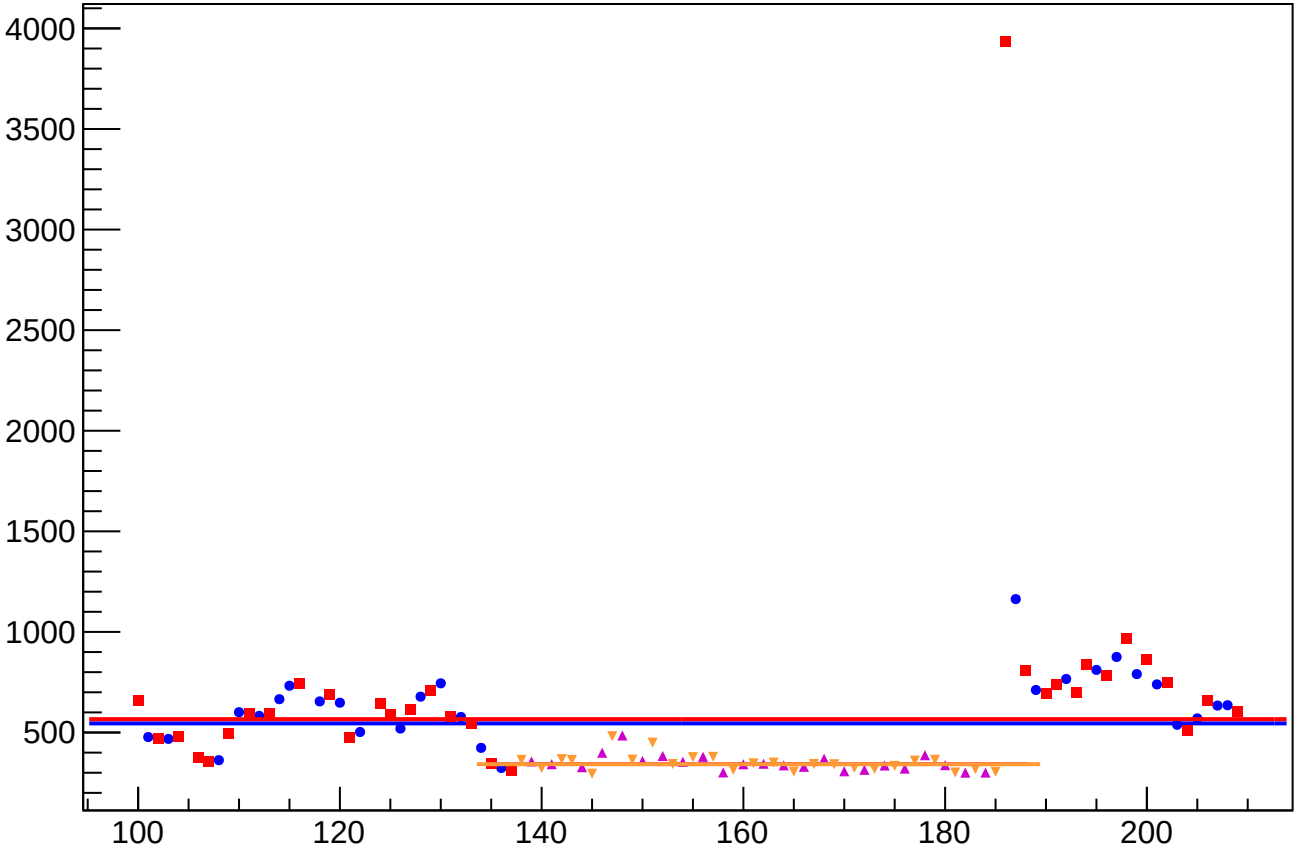
Right: -126.493+/-101.297 χ^2/NDF: 61.3/58

In: -93.192+/-70.343 χ^2/NDF:66.2/49

Out: -28.568+/-68.781 χ^2/NDF:58.1/56

All: -60.154+/-49.179 χ^2/NDF: 124.8/106

asym_sam_13_57_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 545.333+/-0.101 χ^2/NDF: 2455002.5/26

Left Out: 342.502+/-0.055 χ^2/NDF:434210.5/24

Right Out: 566.429+/-0.101 χ^2/NDF: 3134770.7/31

Left In: 343.245+/-0.057 χ^2/NDF:372993.5/22

Left: 342.863+/-0.040 χ^2/NDF: 807291.0/47

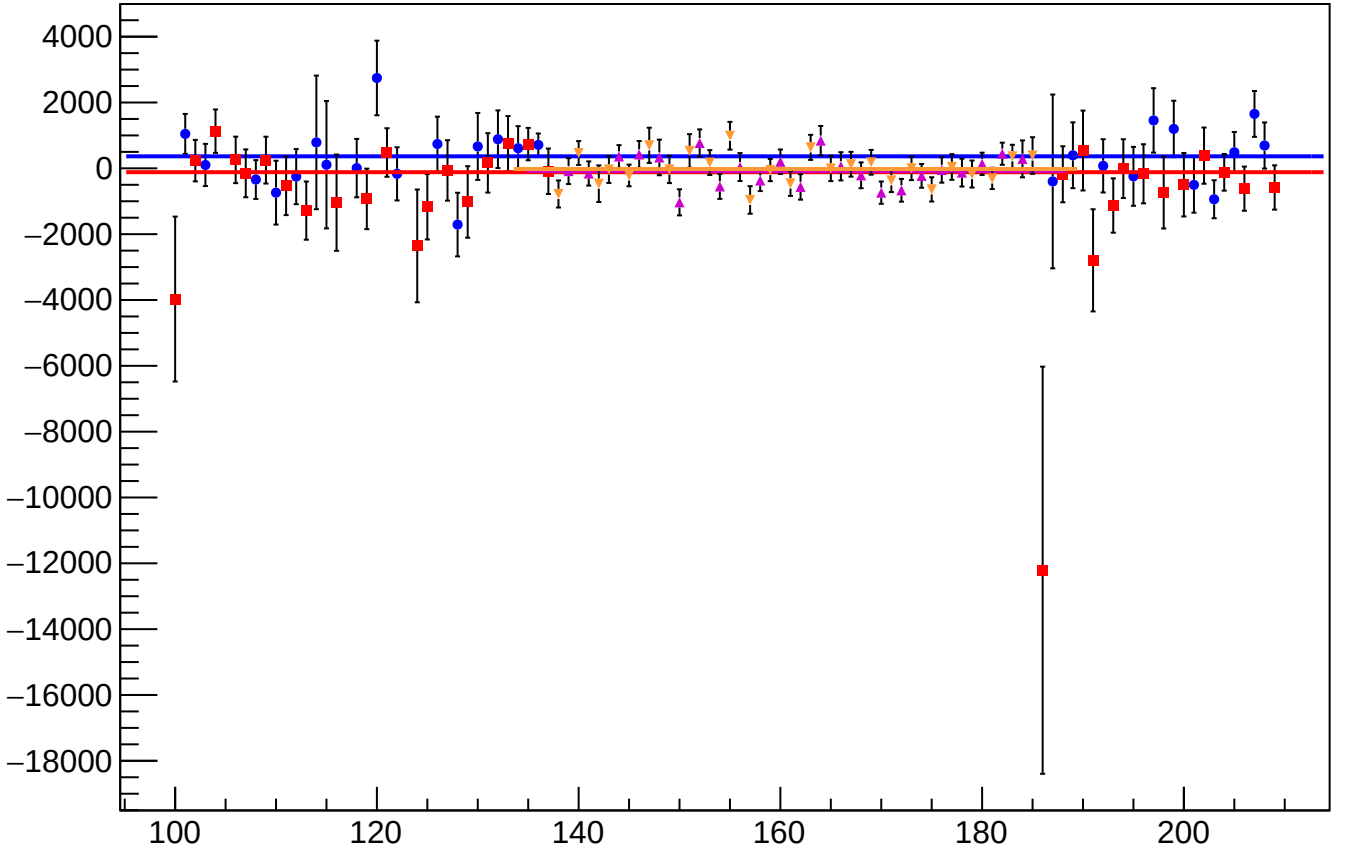
Right: 555.872+/-0.072 χ^2/NDF: 5611458.7/58

In: 392.015+/-0.050 χ^2/NDF:5850249.2/49

Out: 394.077+/-0.049 χ^2/NDF:7326883.1/56

All: 393.069+/-0.035 χ^2/NDF: 13178010.9/10

asym_sam_13_57_dd_mean vs Slug, Sign Corrected



Right In: 364.897+/-145.179 χ^2/NDF: 28.9/26

Left Out: -20.272+/-78.196 χ^2/NDF:31.4/24

Right Out: -116.869+/-146.598 χ^2/NDF: 28.8/31

Left In: -78.719+/-80.410 χ^2/NDF:32.9/22

Left: -48.680+/-56.059 χ^2/NDF: 64.6/47

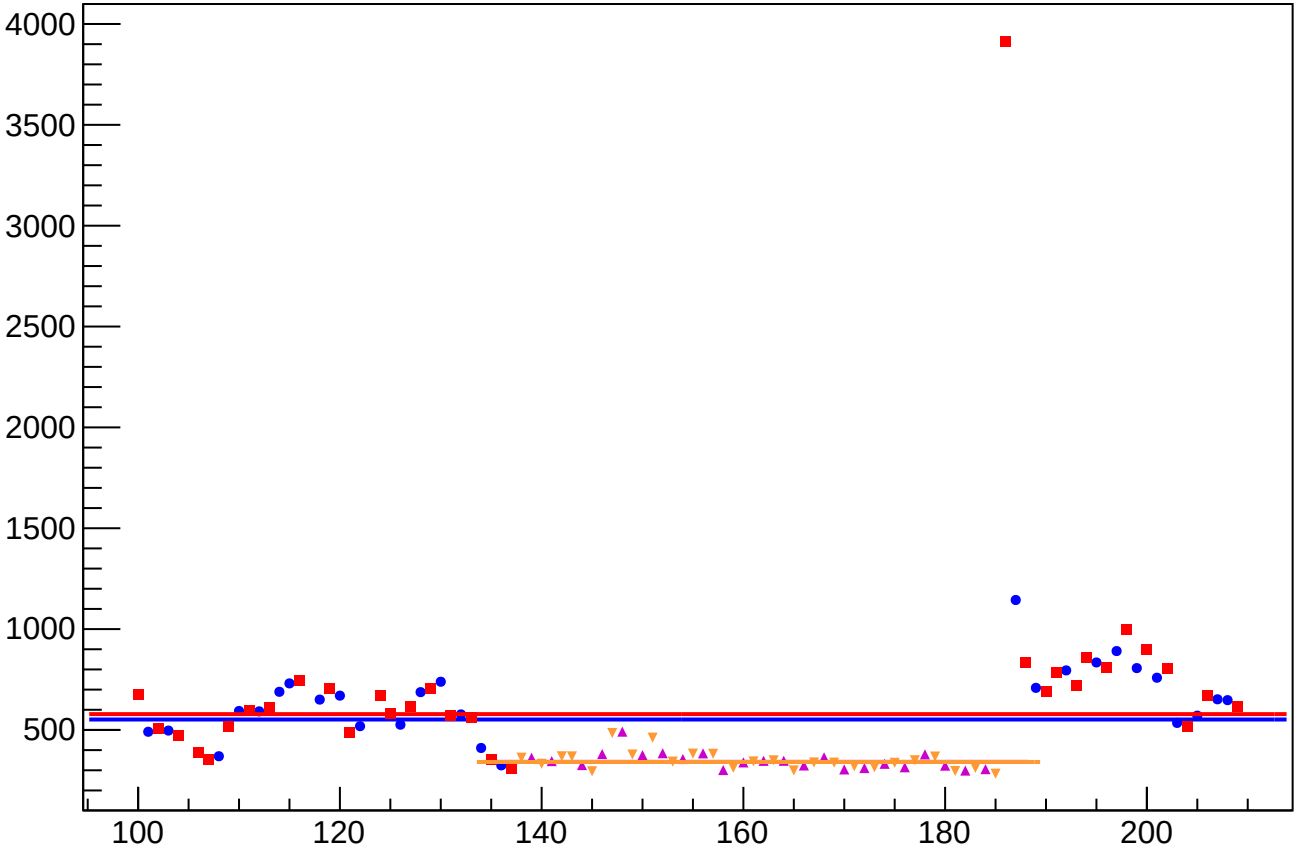
Right: 126.357+/-103.155 χ^2/NDF: 63.1/58

In: 25.422+/-70.341 χ^2/NDF:68.9/49

Out: -41.669+/-68.995 χ^2/NDF:60.6/56

All: -8.772+/-49.256 χ^2/NDF: 129.9/106

asym_sam_13_57_dd_rms vs Slug, Sign Corrected



Right In: 551.722+/-0.103 χ^2/NDF: 2524124.8/26

Left Out: 341.199+/-0.055 χ^2/NDF:510854.5/24

Right Out: 578.418+/-0.104 χ^2/NDF: 3211329.5/31

Left In: 341.622+/-0.057 χ^2/NDF:396885.0/22

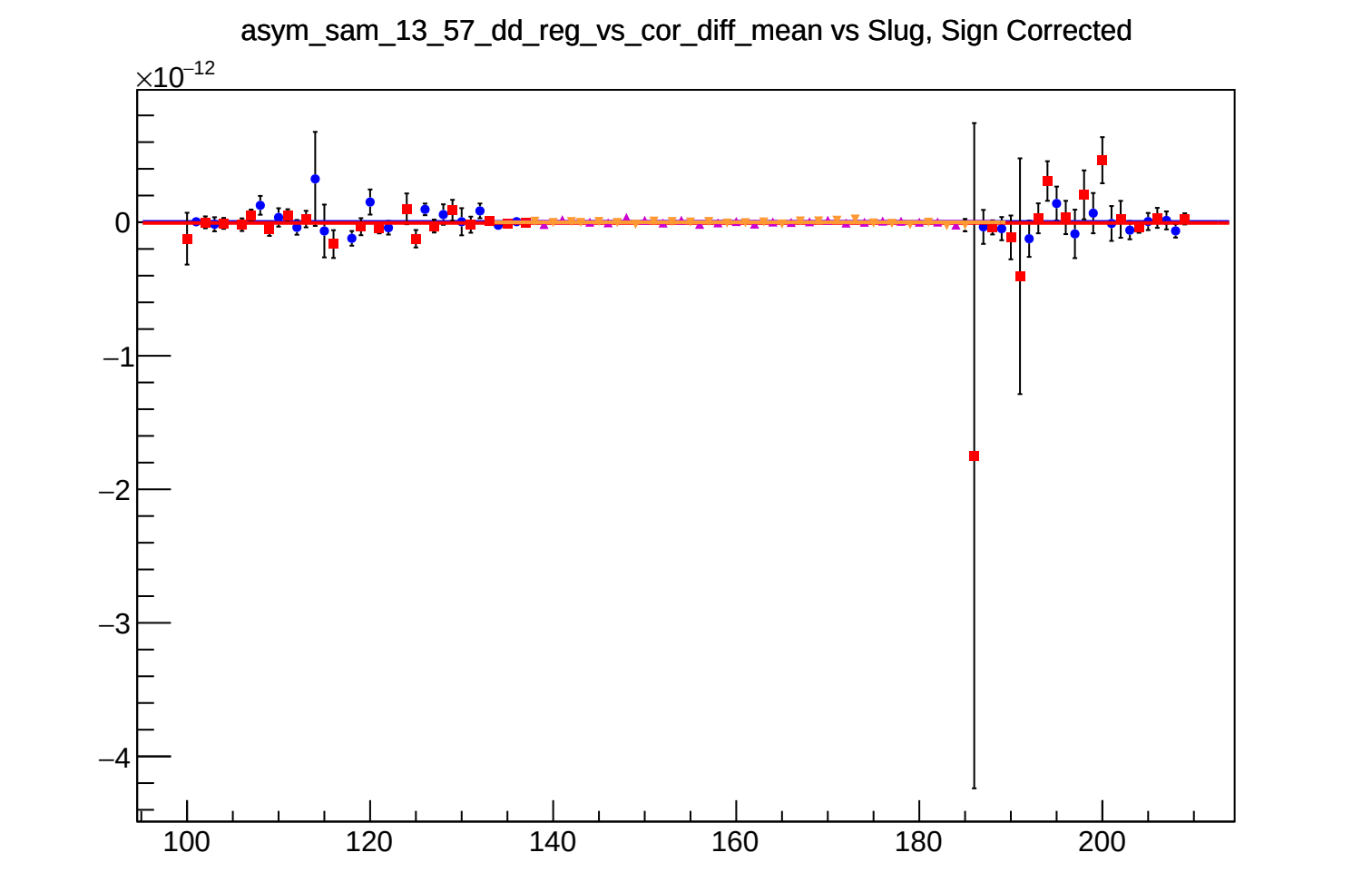
Left: 341.405+/-0.040 χ^2/NDF: 907768.0/47

Right: 564.940+/-0.073 χ^2/NDF: 5768937.6/58

In: 390.944+/-0.050 χ^2/NDF:6126357.3/49

Out: 393.743+/-0.049 χ^2/NDF:7799102.0/56

All: 392.371+/-0.035 χ^2/NDF: 13927073.2/10



Right In: 0.000+/-0.000 χ^2/NDF: 26.8/26

Left Out: -0.000+/-0.000 χ^2/NDF:19.2/24

Right Out: -0.000+/-0.000 χ^2/NDF: 30.6/31

Left In: 0.000+/-0.000 χ^2/NDF:14.4/22

Left: 0.000+/-0.000 χ^2/NDF: 34.2/47

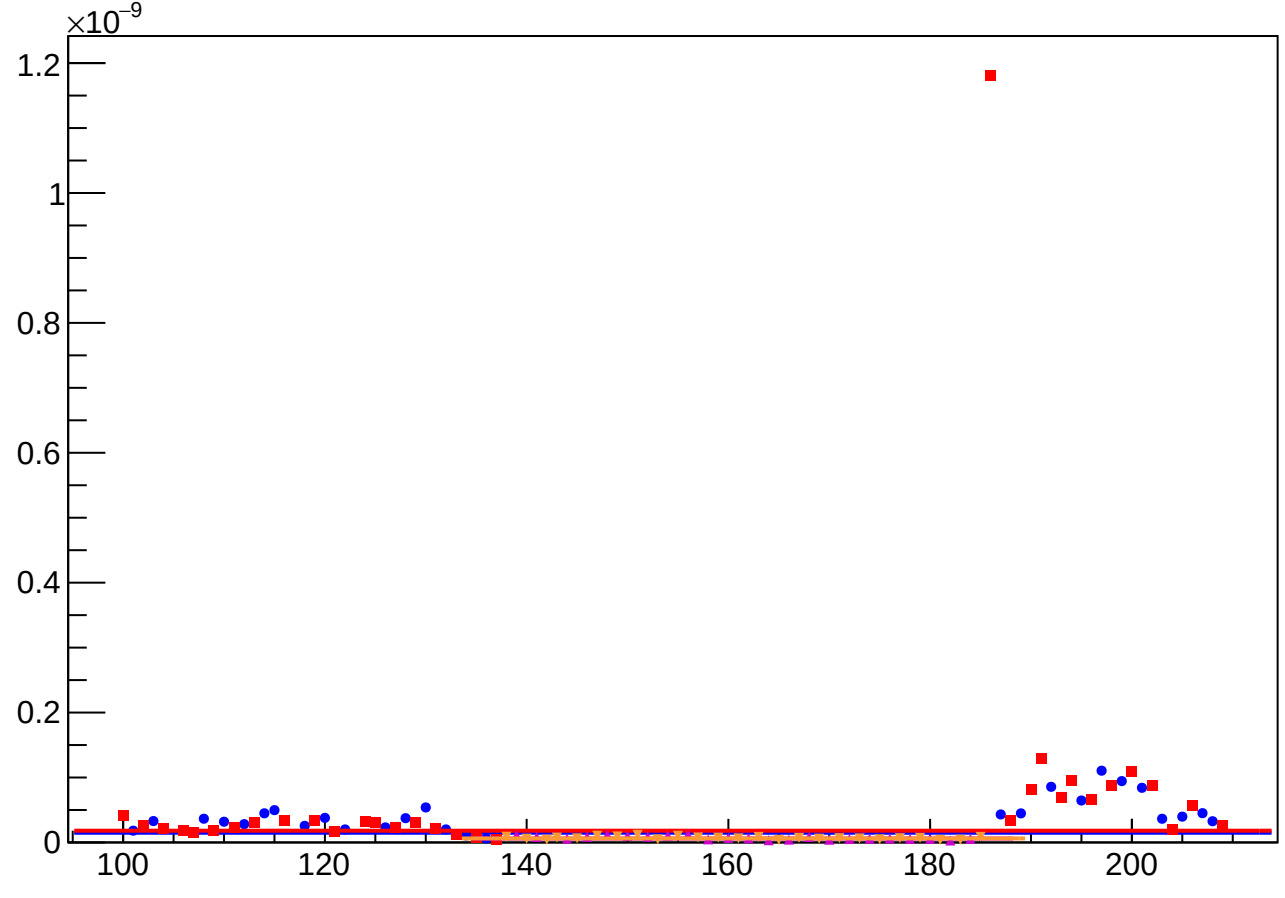
Right: -0.000+/-0.000 χ^2/NDF: 57.9/58

In: 0.000+/-0.000 χ^2/NDF:41.2/49

Out: -0.000+/-0.000 χ^2/NDF:50.1/56

All: 0.000+/-0.000 χ^2/NDF: 92.2/106

asym_sam_13_57_dd_reg_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 7139807.1/26

Left Out: 0.000+/-0.000 χ^2/NDF:1159883.9/24

Right Out: 0.000+/-0.000 χ^2/NDF: 6262759.9/31

Left In: 0.000+/-0.000 χ^2/NDF:1660677.6/22

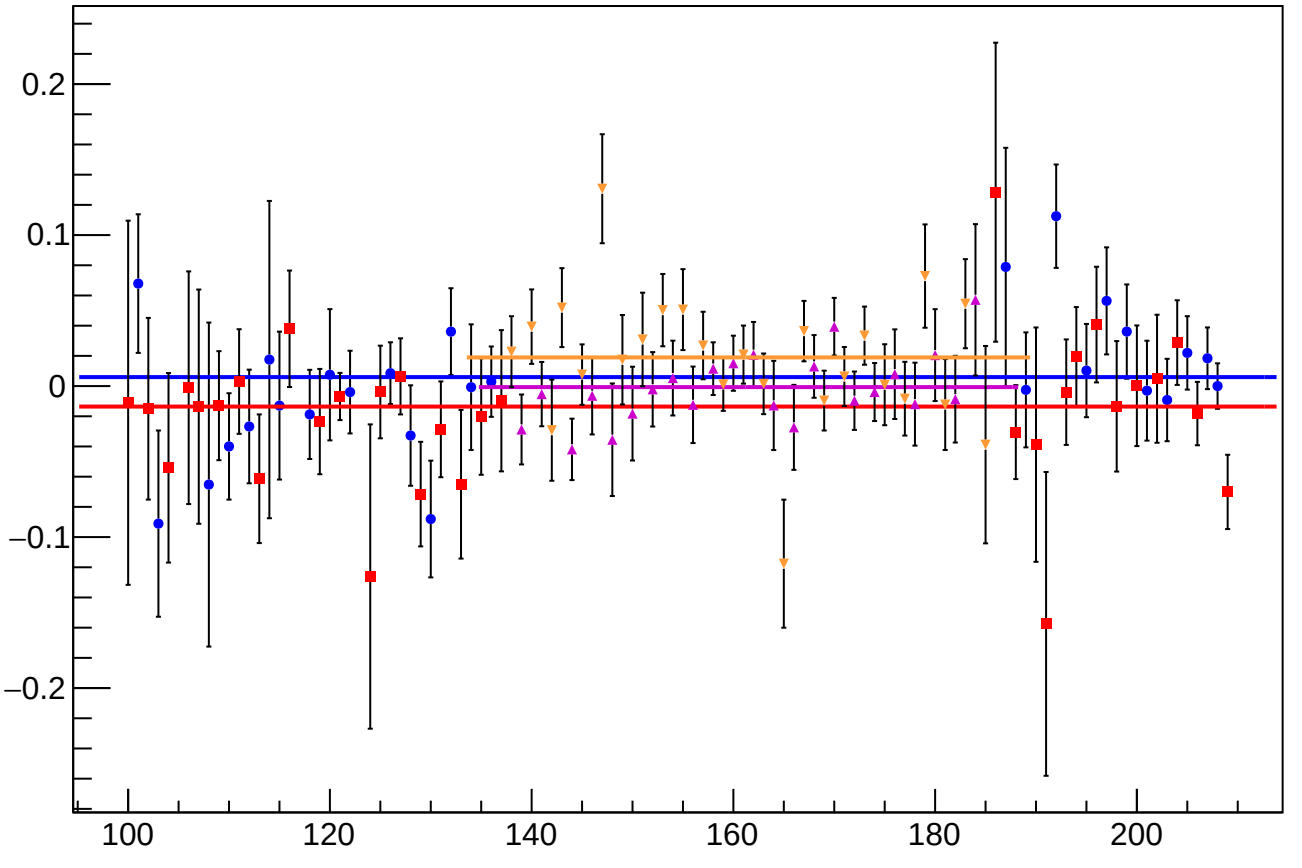
Left: 0.000+/-0.000 χ^2/NDF: 2824480.5/47

Right: 0.000+/-0.000 χ^2/NDF: 13551090.3/58

In: 0.000+/-0.000 χ^2/NDF:11225576.7/49

Out: 0.000+/-0.000 χ^2/NDF:11026006.0/56

All: 0.000+/-0.000 χ^2/NDF: 22258180.2/106



Right In: 0.006+/-0.006 χ^2/NDF: 31.5/26

Left Out: 0.019+/-0.005 χ^2/NDF:41.2/24

Right Out: -0.014+/-0.006 χ^2/NDF: 25.6/31

Left In: -0.001+/-0.005 χ^2/NDF:17.7/22

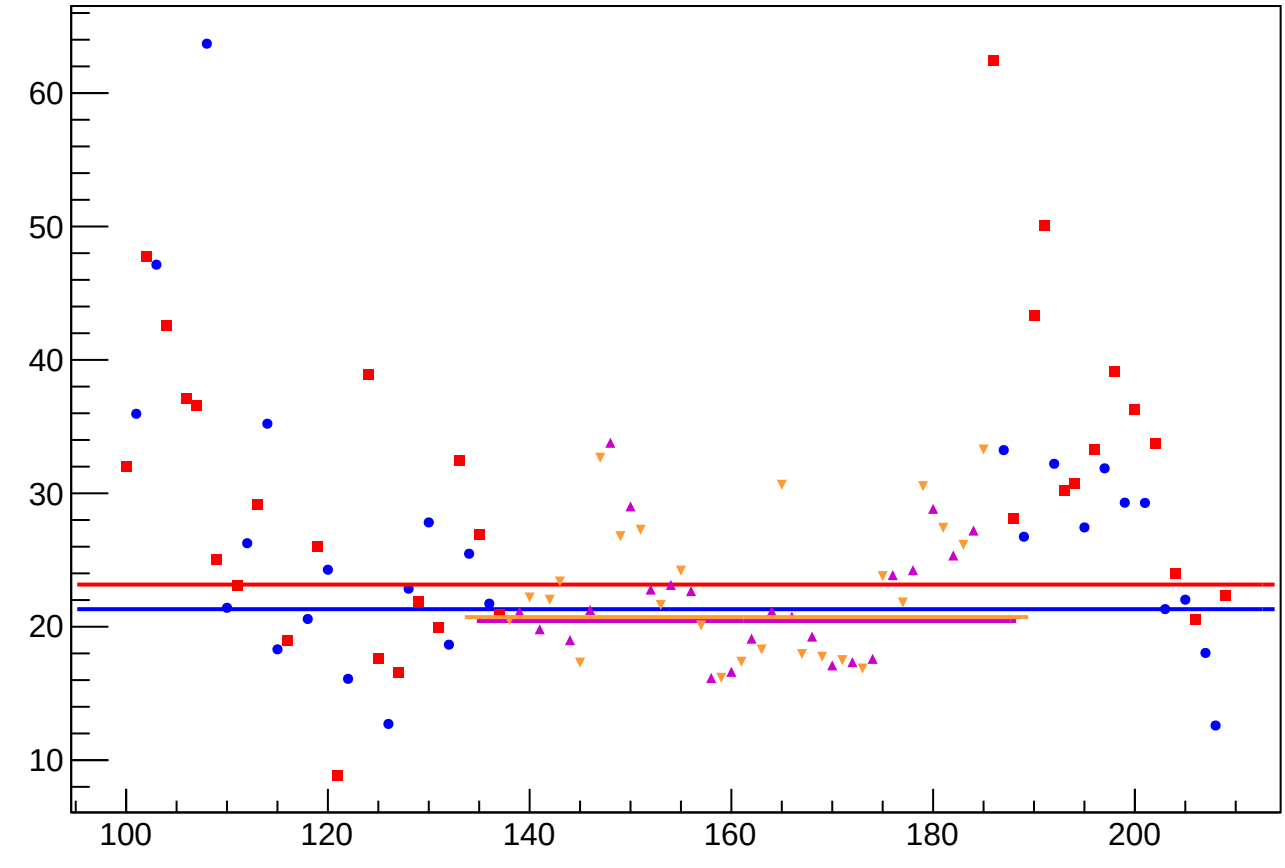
Left: 0.009+/-0.003 χ^2/NDF: 66.9/47

Right: -0.003+/-0.004 χ^2/NDF: 62.3/58

In: 0.002+/-0.004 χ^2/NDF:49.9/49

Out: 0.007+/-0.004 χ^2/NDF:83.6/56

All: 0.004+/-0.003 χ^2/NDF: 134.3/106



Right In: 21.316+/-0.004 χ^2/NDF: 2994923.2/26

Left Out: 20.718+/-0.003 χ^2/NDF:1506374.1/24

Right Out: 23.161+/-0.004 χ^2/NDF: 4413313.2/31

Left In: 20.429+/-0.003 χ^2/NDF:1173949.1/22

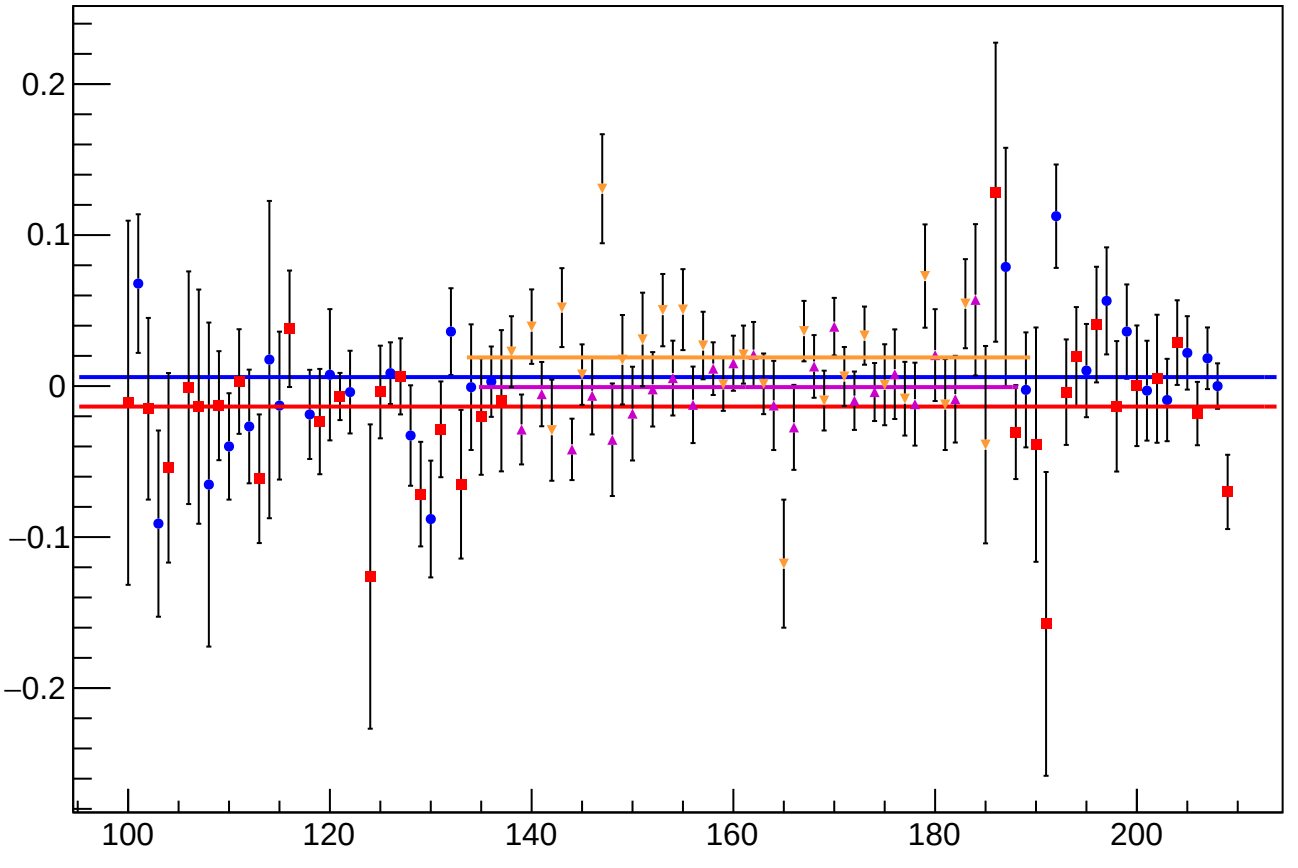
Left: 20.575+/-0.002 χ^2/NDF: 2683801.2/47

Right: 22.183+/-0.003 χ^2/NDF: 7500295.6/58

In: 20.795+/-0.003 χ^2/NDF:4195513.9/49

Out: 21.639+/-0.003 χ^2/NDF:6109438.0/56

All: 21.210+/-0.002 χ^2/NDF: 10353991.2/106



Right In: 0.006+/-0.006 χ^2/NDF: 31.5/26

Left Out: 0.019+/-0.005 χ^2/NDF:41.2/24

Right Out: -0.014+/-0.006 χ^2/NDF: 25.6/31

Left In: -0.001+/-0.005 χ^2/NDF:17.7/22

Left: 0.009+/-0.003 χ^2/NDF: 66.9/47

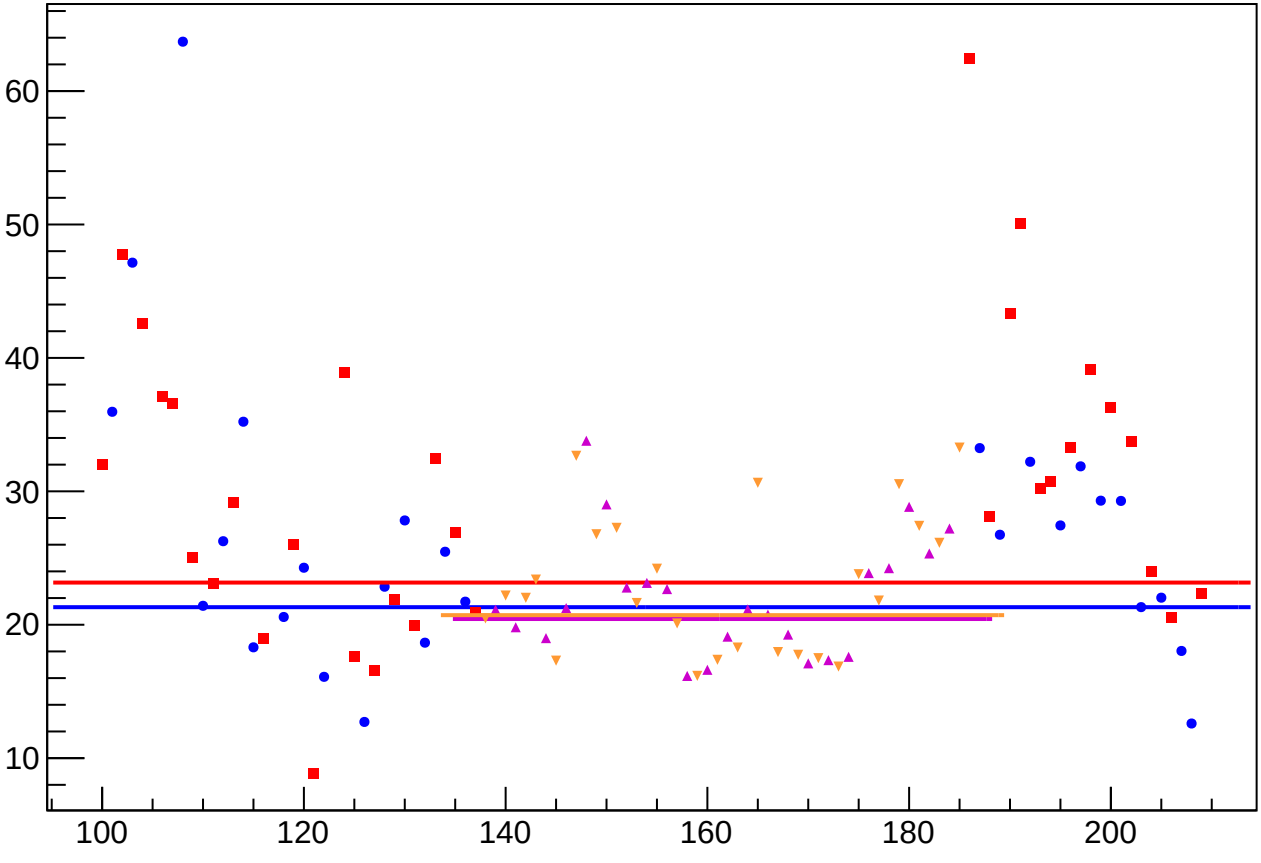
Right: -0.003+/-0.004 χ^2/NDF: 62.3/58

In: 0.002+/-0.004 χ^2/NDF:49.9/49

Out: 0.007+/-0.004 χ^2/NDF:83.6/56

All: 0.004+/-0.003 χ^2/NDF: 134.3/106

asym_sam_13_57_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 21.316+/-0.004 χ^2/NDF: 2994923.2/26

Left Out: 20.718+/-0.003 χ^2/NDF:1506374.1/24

Right Out: 23.161+/-0.004 χ^2/NDF: 4413313.2/31

Left In: 20.429+/-0.003 χ^2/NDF:1173949.1/22

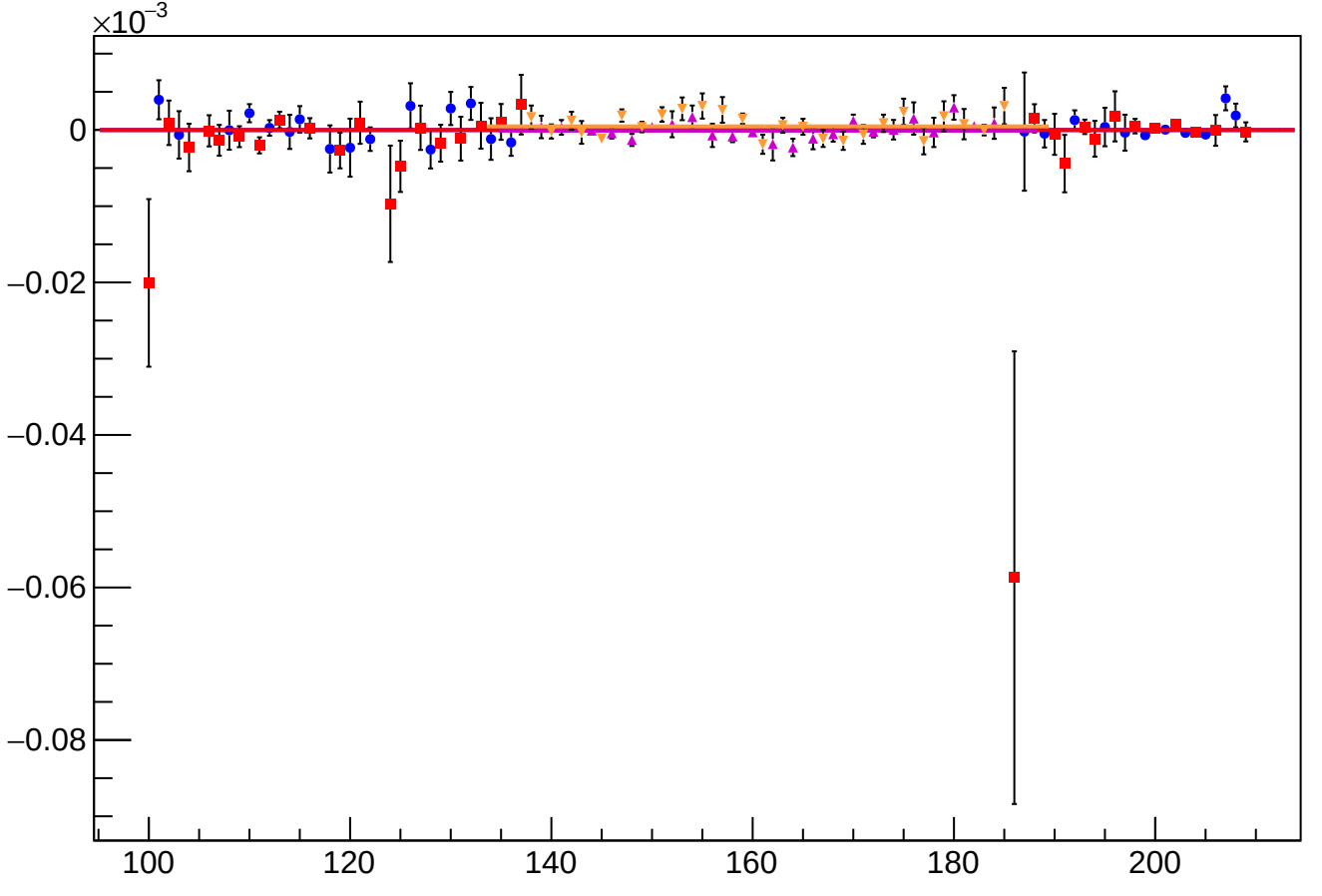
Left: 20.575+/-0.002 χ^2/NDF: 2683801.2/47

Right: 22.183+/-0.003 χ^2/NDF: 7500295.6/58

In: 20.795+/-0.003 χ^2/NDF:4195513.9/49

Out: 21.639+/-0.003 χ^2/NDF:6109438.0/56

All: 21.210+/-0.002 χ^2/NDF: 10353991.2/106



Right In: -0.000+/-0.000 χ^2/NDF: 29.0/26

Left Out: 0.000+/-0.000 χ^2/NDF:36.7/24

Right Out: -0.000+/-0.000 χ^2/NDF: 25.9/31

Left In: -0.000+/-0.000 χ^2/NDF:19.5/22

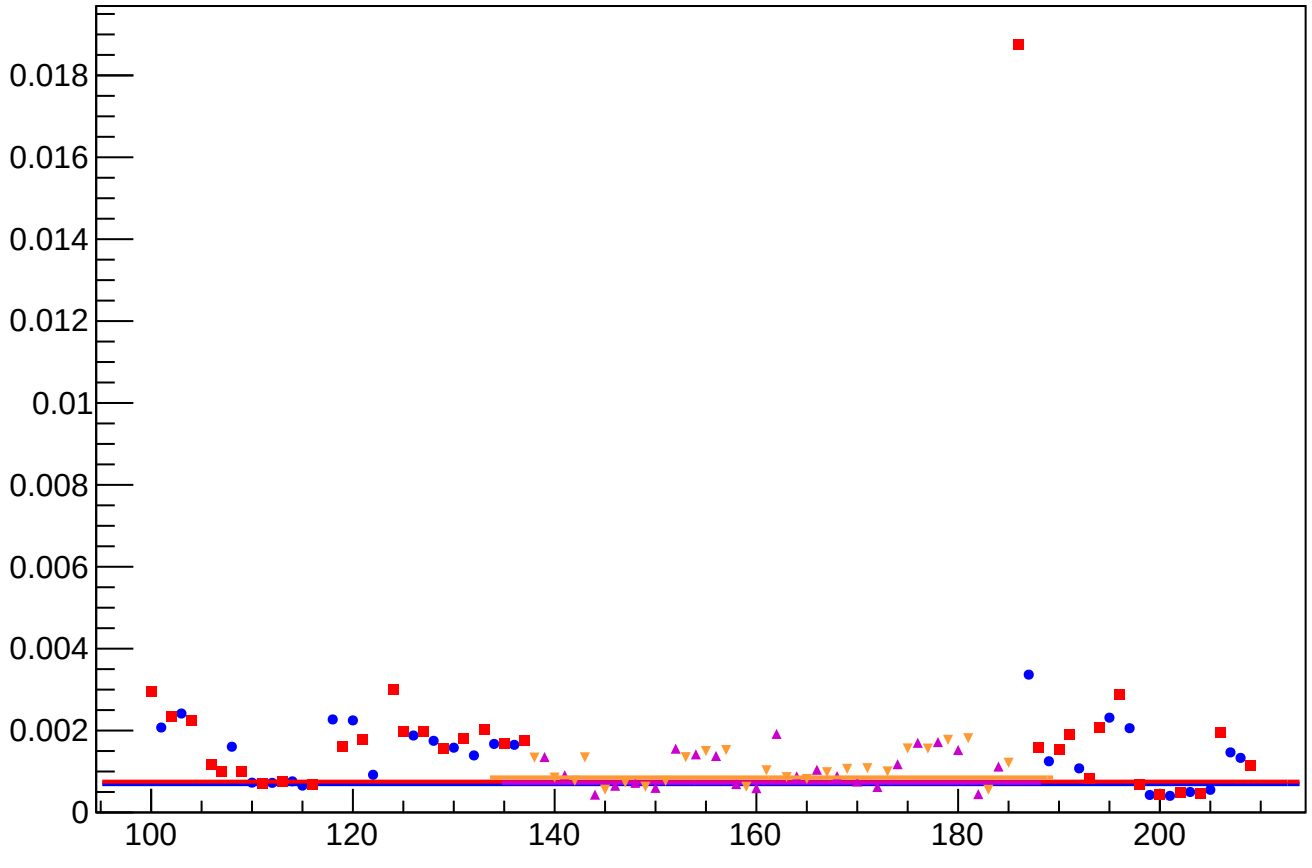
Left: 0.000+/-0.000 χ^2/NDF: 59.9/47

Right: -0.000+/-0.000 χ^2/NDF: 54.9/58

In: -0.000+/-0.000 χ^2/NDF:48.6/49

Out: 0.000+/-0.000 χ^2/NDF:65.0/56

All: 0.000+/-0.000 χ^2/NDF: 115.5/106



Right In: 0.001+/-0.000 χ^2/NDF: 9180029.8/26

Left Out: 0.001+/-0.000 χ^2/NDF:4439075.2/24

Right Out: 0.001+/-0.000 χ^2/NDF: 9744609.5/31

Left In: 0.001+/-0.000 χ^2/NDF:5805288.5/22

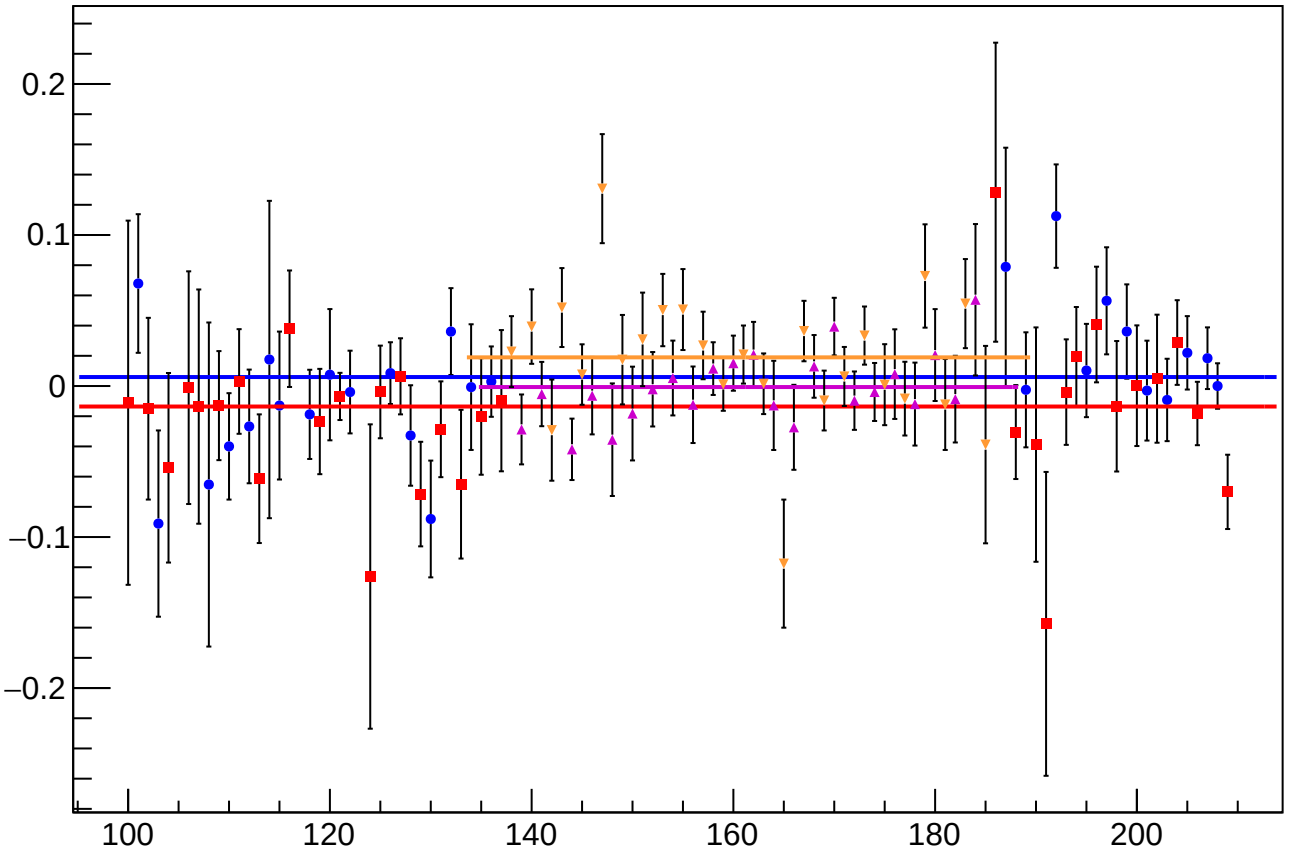
Left: 0.001+/-0.000 χ^2/NDF: 10673329.7/47

Right: 0.001+/-0.000 χ^2/NDF: 19002181.3/58

In: 0.001+/-0.000 χ^2/NDF:15014444.5/49

Out: 0.001+/-0.000 χ^2/NDF:14409293.6/56

All: 0.001+/-0.000 χ^2/NDF: 29854320.1/106



Right In: 0.006+/-0.006 χ^2/NDF: 31.5/26

Left Out: 0.019+/-0.005 χ^2/NDF:41.2/24

Right Out: -0.014+/-0.006 χ^2/NDF: 25.6/31

Left In: -0.001+/-0.005 χ^2/NDF:17.7/22

Left: 0.009+/-0.003 χ^2/NDF: 66.9/47

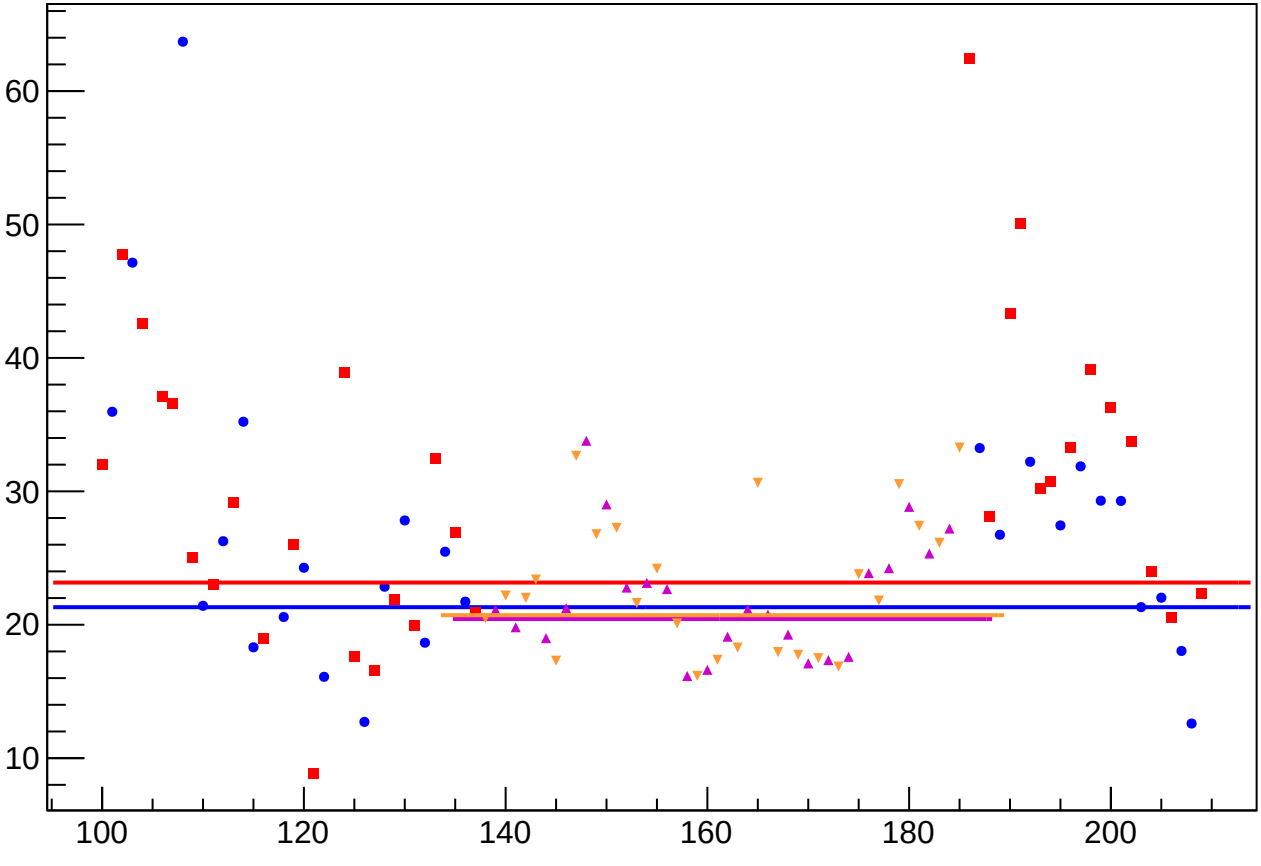
Right: -0.003+/-0.004 χ^2/NDF: 62.3/58

In: 0.002+/-0.004 χ^2/NDF:49.9/49

Out: 0.007+/-0.004 χ^2/NDF:83.6/56

All: 0.004+/-0.003 χ^2/NDF: 134.3/106

asym_sam_13_57_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 21.316+/-0.004 χ^2/NDF: 2994916.4/26

Left Out: 20.718+/-0.003 χ^2/NDF:1506475.9/24

Right Out: 23.161+/-0.004 χ^2/NDF: 4412736.2/31

Left In: 20.429+/-0.003 χ^2/NDF:1173995.4/22

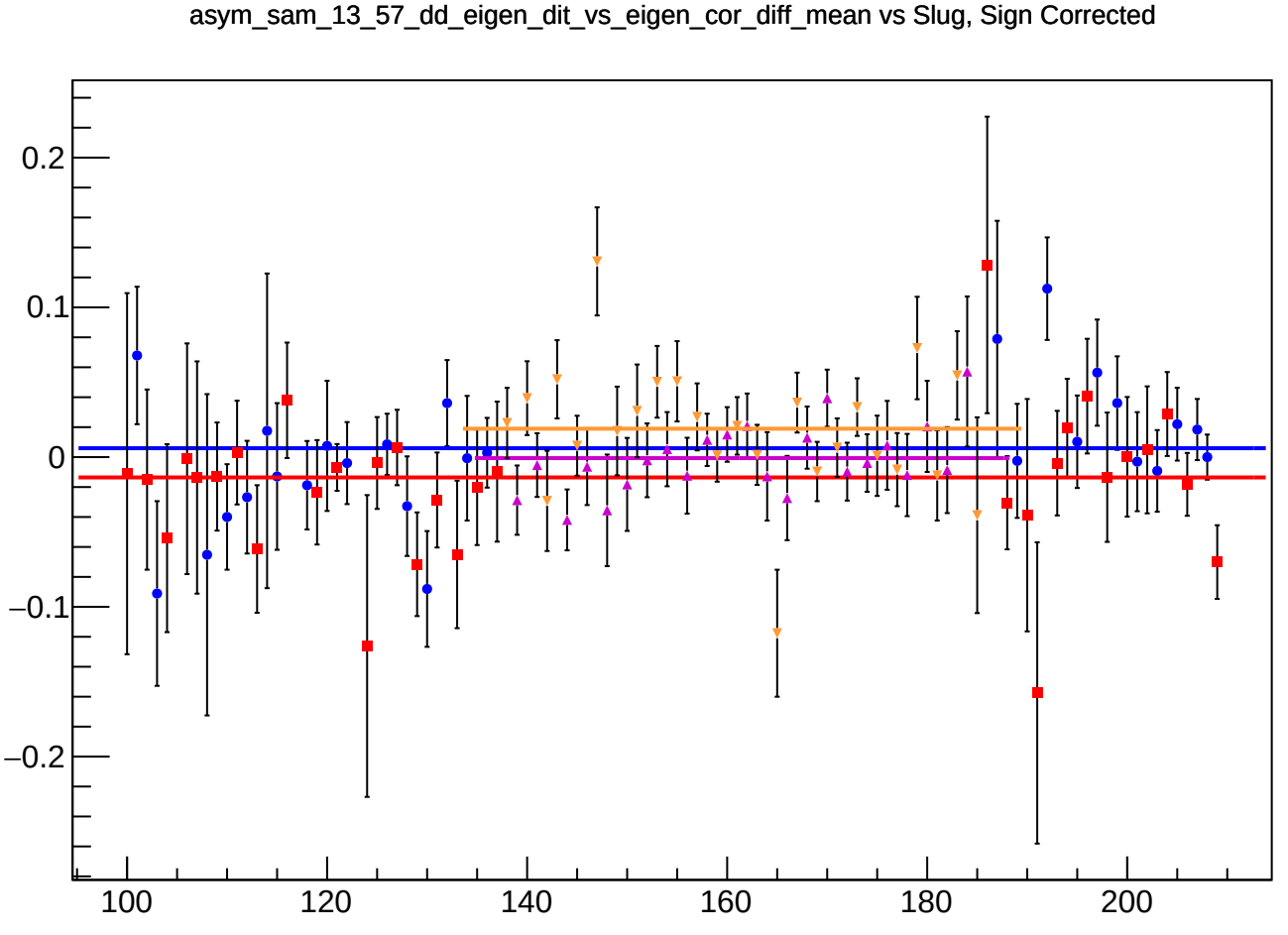
Left: 20.575+/-0.002 χ^2/NDF: 2683947.4/47

Right: 22.183+/-0.003 χ^2/NDF: 7499755.6/58

In: 20.795+/-0.003 χ^2/NDF:4195553.9/49

Out: 21.639+/-0.003 χ^2/NDF:6109045.0/56

All: 21.210+/-0.002 χ^2/NDF: 10353650.1/106



Right In: 0.006+/-0.006 χ^2/NDF: 31.5/26

Left Out: 0.019+/-0.005 χ^2/NDF:41.2/24

Right Out: -0.014+/-0.006 χ^2/NDF: 25.6/31

Left In: -0.001+/-0.005 χ^2/NDF:17.7/22

Left: 0.009+/-0.003 χ^2/NDF: 66.9/47

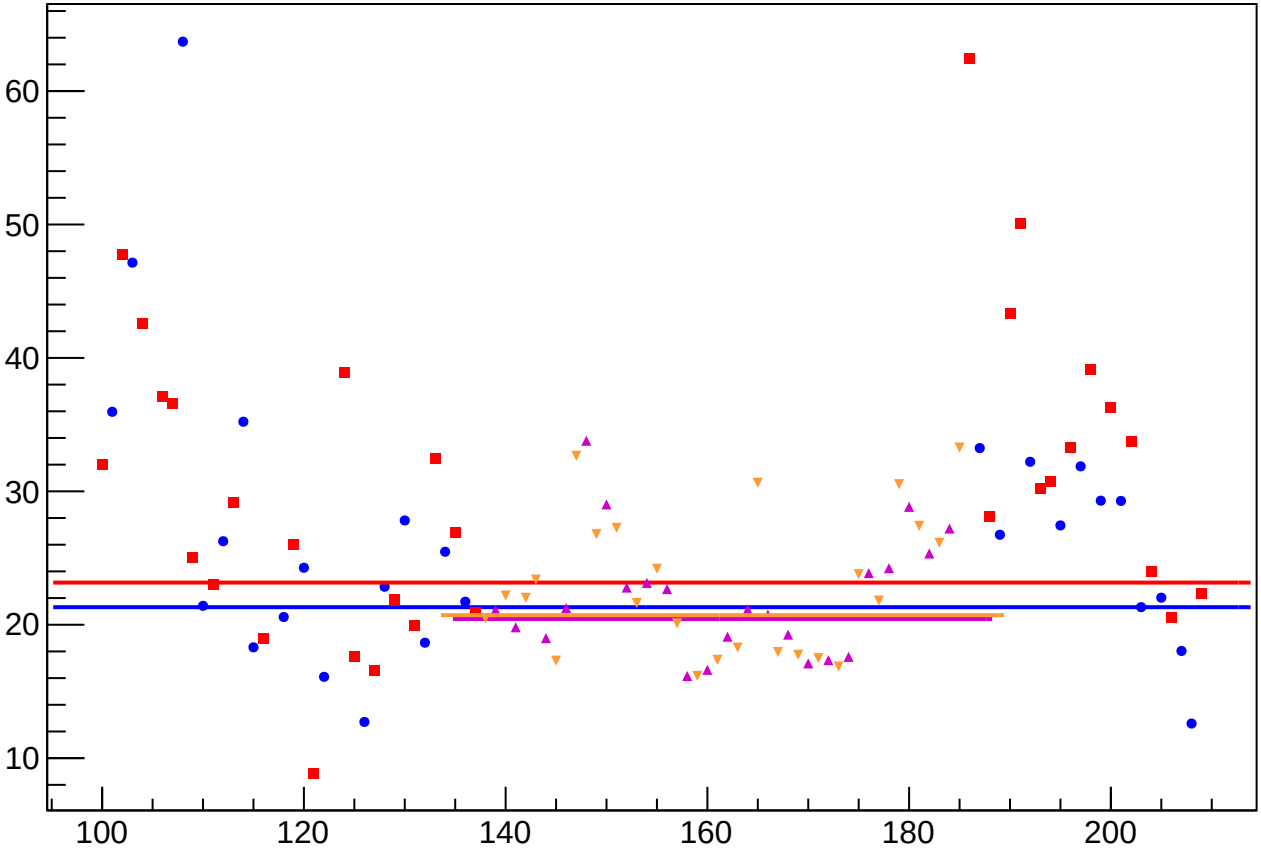
Right: -0.003+/-0.004 χ^2/NDF: 62.3/58

In: 0.002+/-0.004 χ^2/NDF:49.9/49

Out: 0.007+/-0.004 χ^2/NDF:83.6/56

All: 0.004+/-0.003 χ^2/NDF: 134.3/106

asym_sam_13_57_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 21.316+/-0.004 χ^2/NDF: 2994916.4/26

Left Out: 20.718+/-0.003 χ^2/NDF:1506475.9/24

Right Out: 23.161+/-0.004 χ^2/NDF: 4412736.2/31

Left In: 20.429+/-0.003 χ^2/NDF:1173995.4/22

Left: 20.575+/-0.002 χ^2/NDF: 2683947.4/47

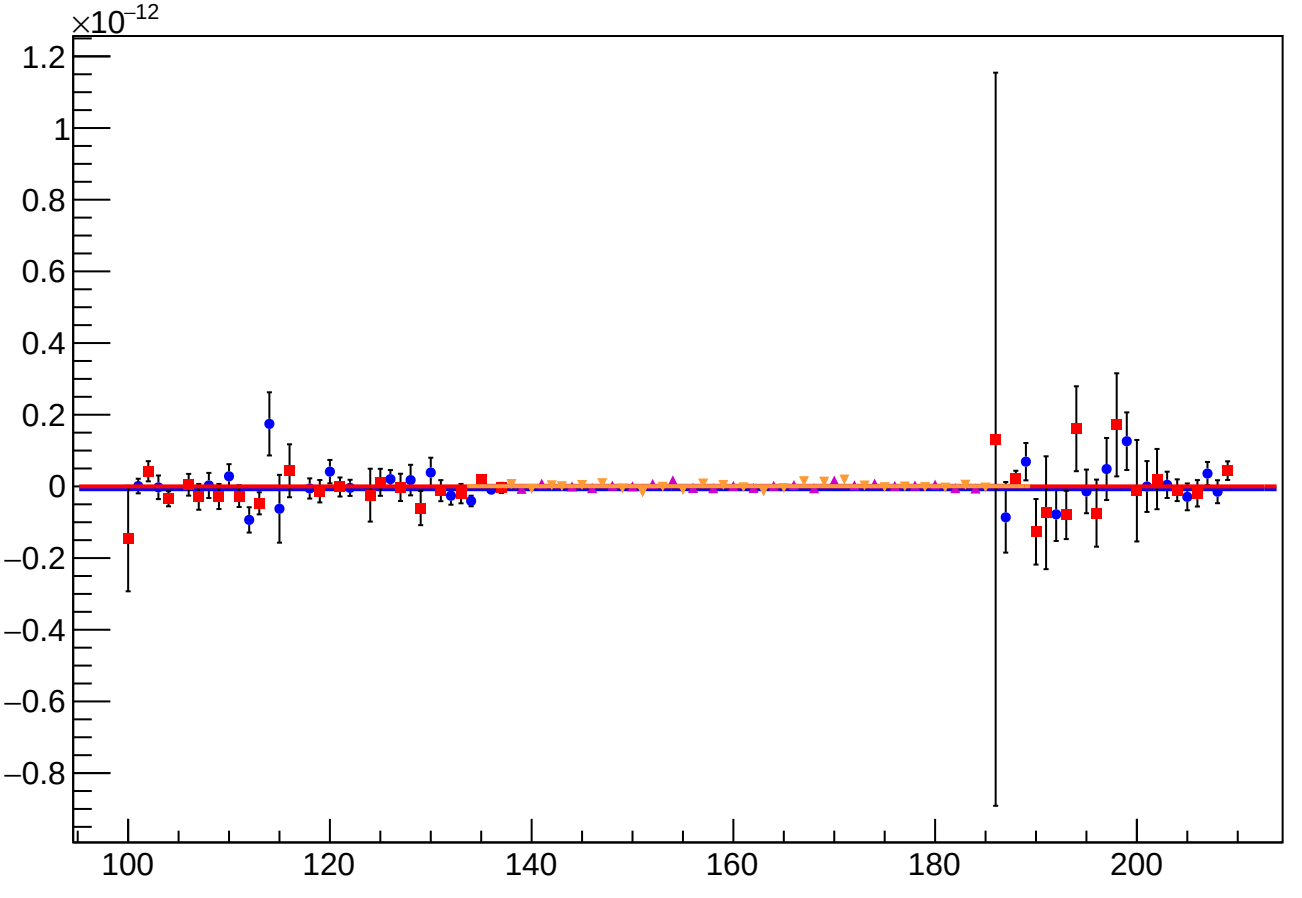
Right: 22.183+/-0.003 χ^2/NDF: 7499755.6/58

In: 20.795+/-0.003 χ^2/NDF:4195553.9/49

Out: 21.639+/-0.003 χ^2/NDF:6109045.0/56

All: 21.210+/-0.002 χ^2/NDF: 10353650.1/106

asym_sam_13_57_dd_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.000 χ^2/NDF: 31.9/26

Left Out: 0.000+/-0.000 χ^2/NDF:29.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 28.7/31

Left In: 0.000+/-0.000 χ^2/NDF:20.6/22

Left: 0.000+/-0.000 χ^2/NDF: 49.9/47

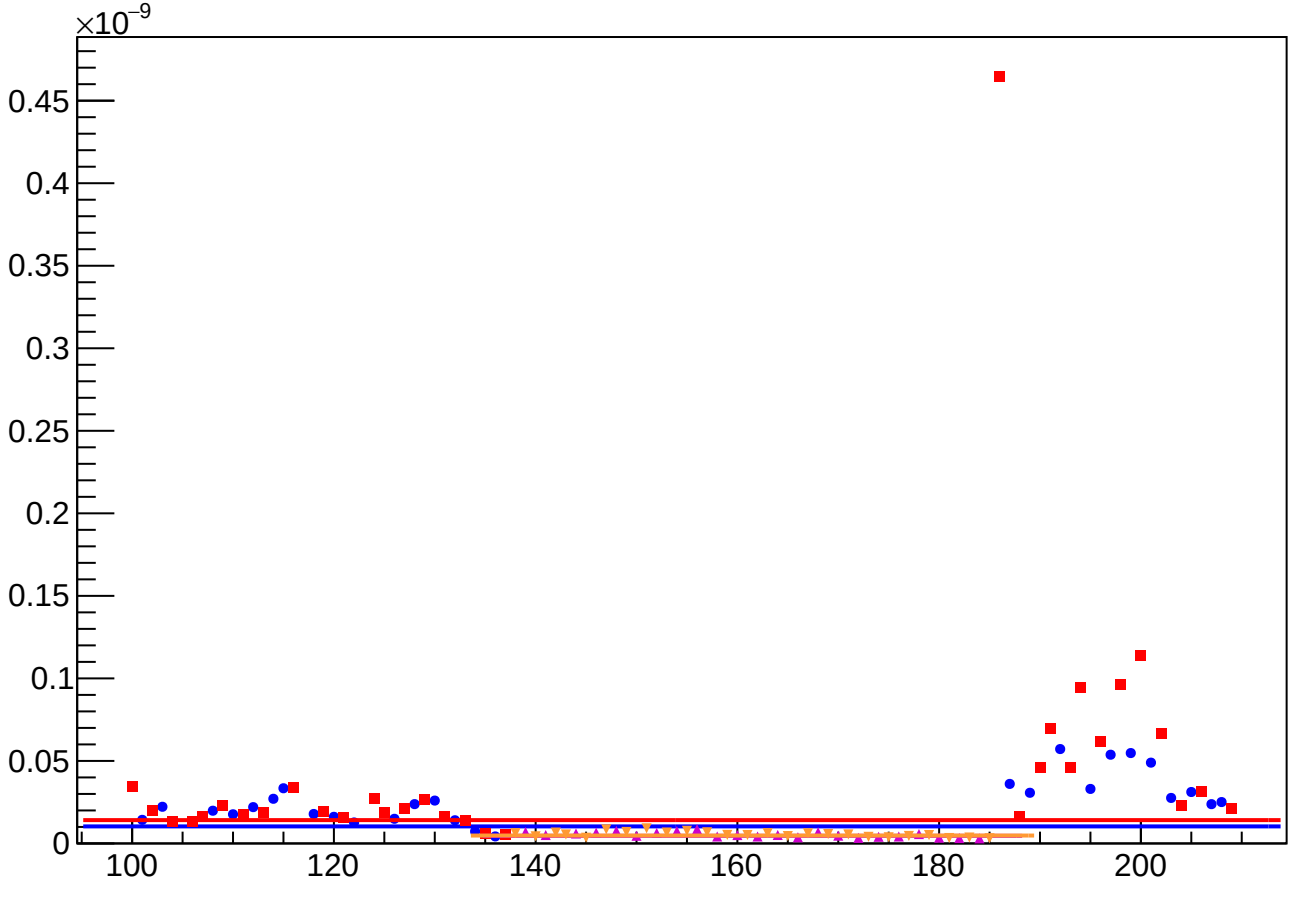
Right: -0.000+/-0.000 χ^2/NDF: 61.9/58

In: 0.000+/-0.000 χ^2/NDF:56.8/49

Out: 0.000+/-0.000 χ^2/NDF:57.8/56

All: 0.000+/-0.000 χ^2/NDF: 114.6/106

asym_sam_13_57_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 9188957.5/26

Left Out: 0.000+/-0.000 χ^2/NDF:2118264.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 8963986.3/31

Left In: 0.000+/-0.000 χ^2/NDF:1908439.7/22

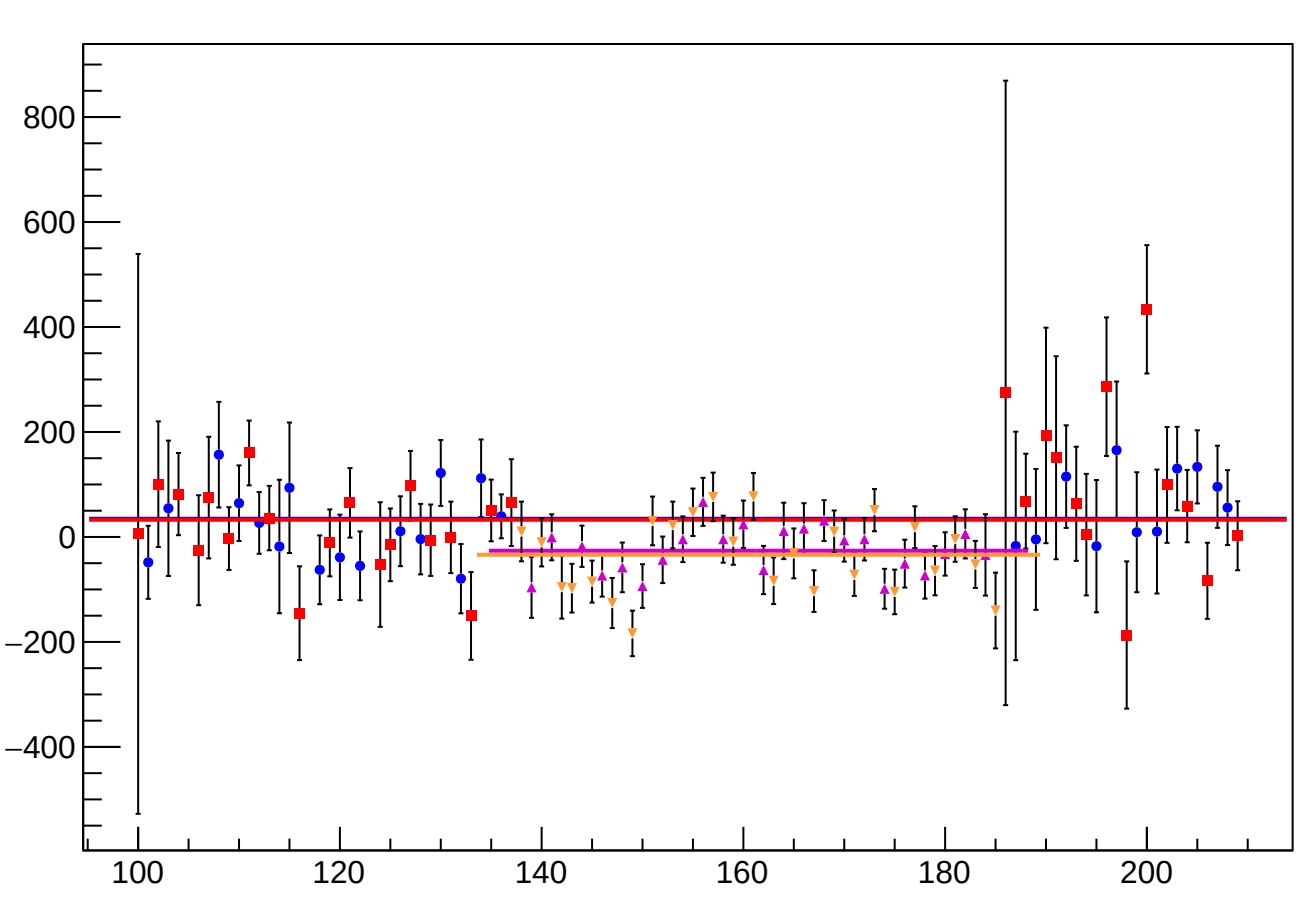
Left: 0.000+/-0.000 χ^2/NDF: 4046117.6/47

Right: 0.000+/-0.000 χ^2/NDF: 18790685.3/58

In: 0.000+/-0.000 χ^2/NDF:14340393.4/49

Out: 0.000+/-0.000 χ^2/NDF:17149717.7/56

All: 0.000+/-0.000 χ^2/NDF: 31527140.2/106



Right In: 34.621+/-14.988 χ^2/NDF: 21.1/26

Left Out: -33.956+/-8.993 χ^2/NDF:58.7/24

Right Out: 32.777+/-14.821 χ^2/NDF: 39.6/31

Left In: -26.267+/-9.271 χ^2/NDF:22.5/22

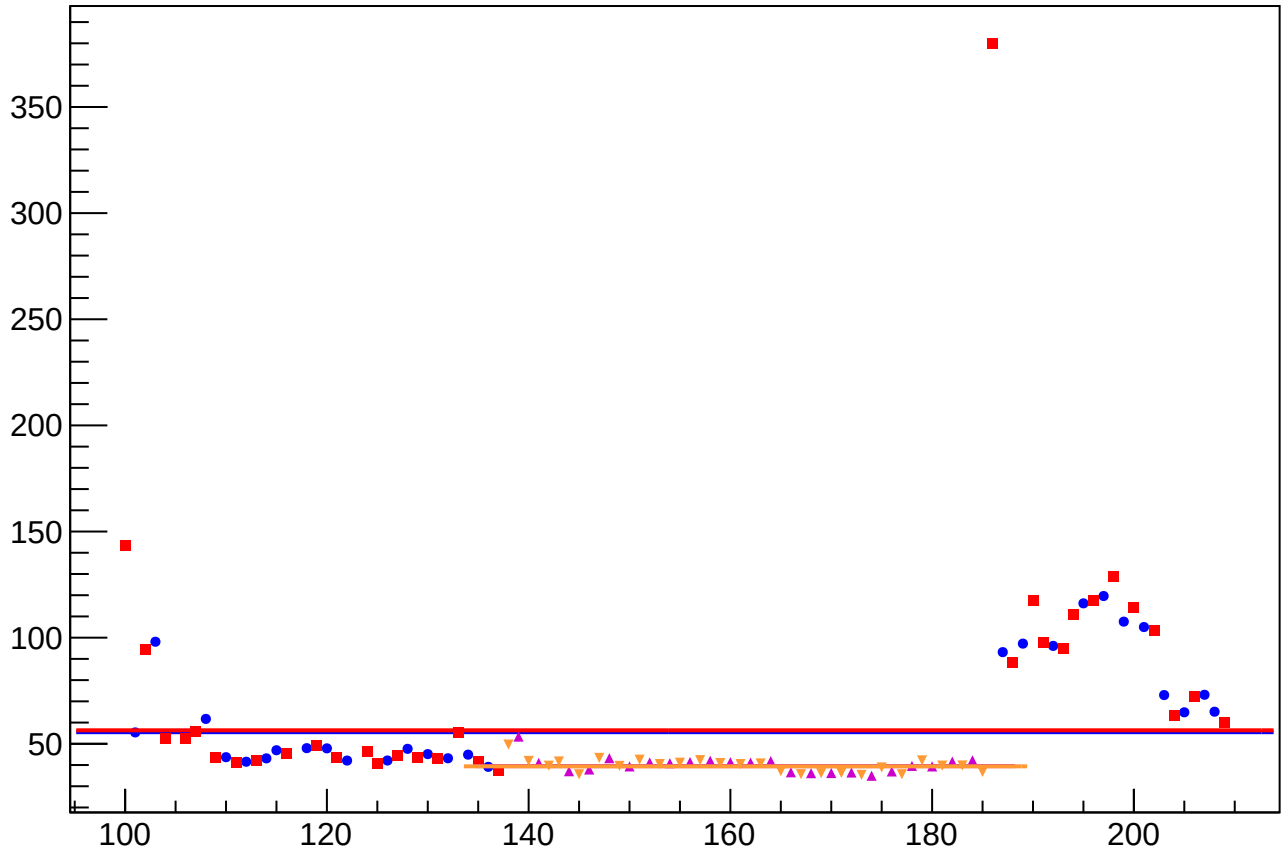
Left: -30.228+/-6.455 χ^2/NDF: 81.6/47

Right: 33.689+/-10.539 χ^2/NDF: 60.8/58

In: -9.415+/-7.885 χ^2/NDF:55.5/49

Out: -15.998+/-7.689 χ^2/NDF:113.2/56

All: -12.789+/-5.505 χ^2/NDF: 169.1/106



Right In: 55.478+/-0.011 χ^2/NDF: 3706939.2/26

Left Out: 39.383+/-0.006 χ^2/NDF:228799.9/24

Right Out: 56.359+/-0.010 χ^2/NDF: 4975763.9/31

Left In: 39.491+/-0.007 χ^2/NDF:251801.8/22

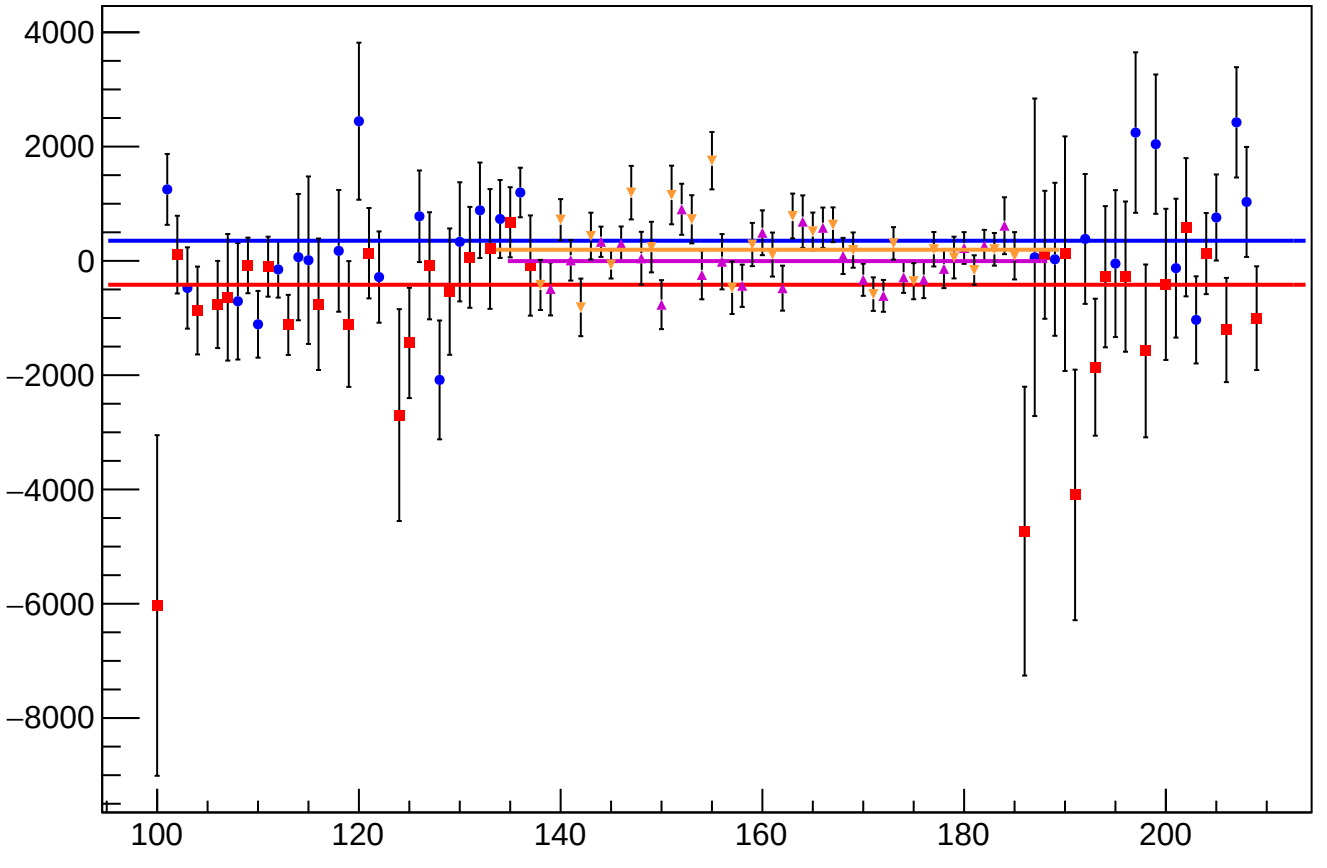
Left: 39.435+/-0.005 χ^2/NDF: 480742.3/47

Right: 55.923+/-0.007 χ^2/NDF: 8686197.1/58

In: 43.915+/-0.006 χ^2/NDF:5604466.3/49

Out: 43.951+/-0.005 χ^2/NDF:7122280.2/56

All: 43.934+/-0.004 χ^2/NDF: 12726767.4/106



Right In: 352.251+/-160.721 χ^2/NDF: 38.0/26

Left Out: 195.029+/-70.093 χ^2/NDF:48.6/24

Right Out: -417.791+/-158.002 χ^2/NDF: 25.6/31

Left In: -4.015+/-71.981 χ^2/NDF:32.4/22

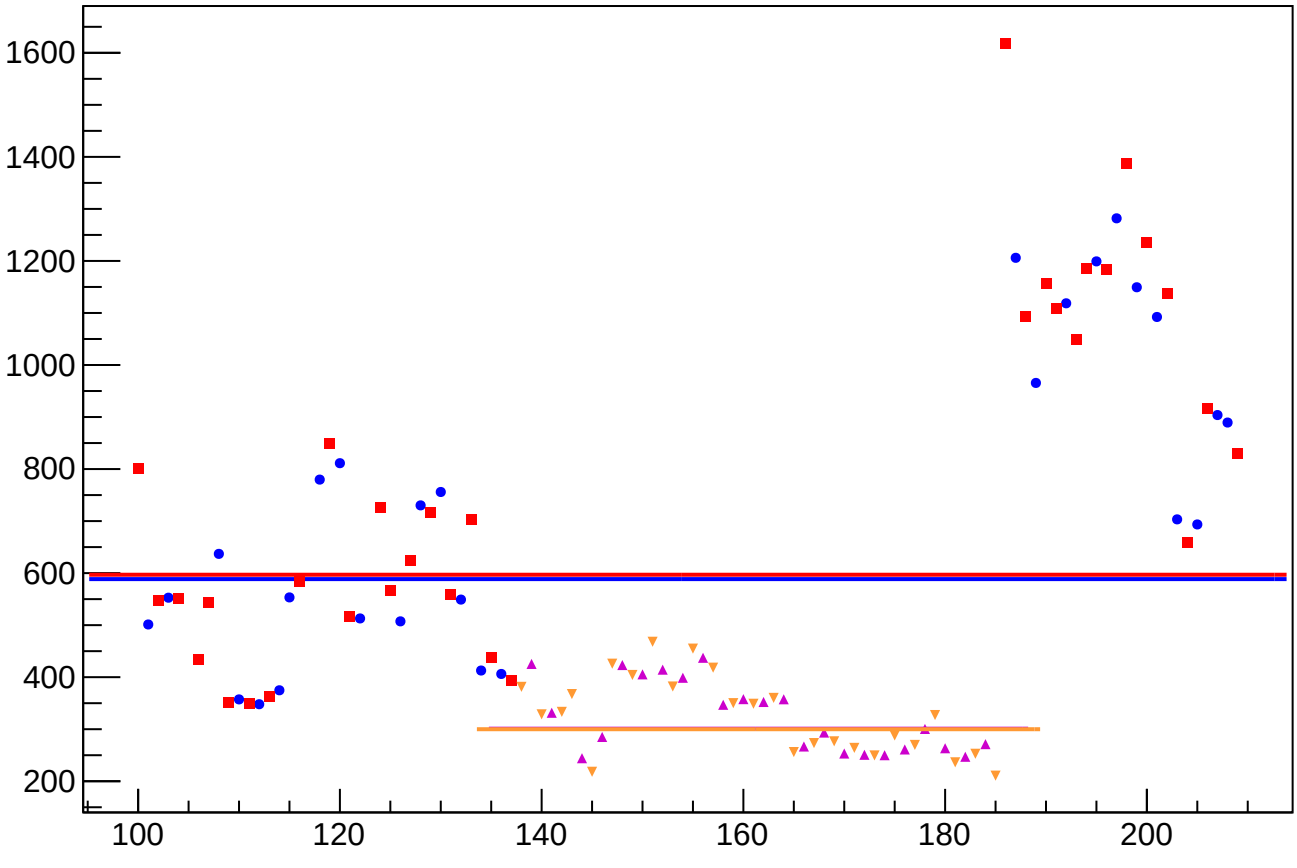
Left: 98.152+/-50.217 χ^2/NDF: 84.9/47

Right: -39.337+/-112.673 χ^2/NDF: 75.2/58

In: 55.507+/-65.693 χ^2/NDF:74.4/49

Out: 94.259+/-64.071 χ^2/NDF:86.8/56

All: 75.367+/-45.868 χ^2/NDF: 161.4/106



Right In: 588.498+/-0.114 χ^2/NDF: 4541648.6/26

Left Out: 299.976+/-0.050 χ^2/NDF:1808461.5/24

Right Out: 596.897+/-0.112 χ^2/NDF: 5820282.1/31

Left In: 301.000+/-0.051 χ^2/NDF:1407198.4/22

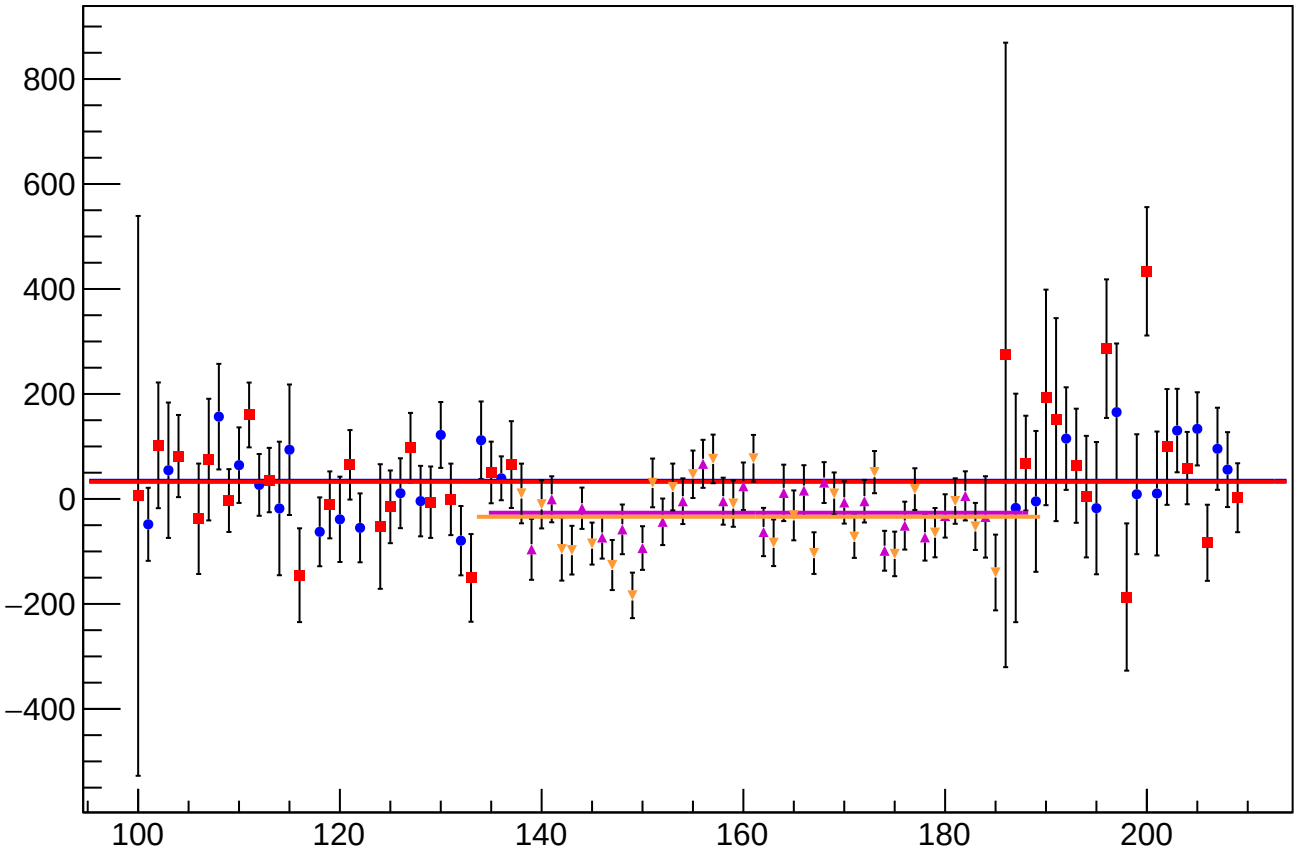
Left: 300.474+/-0.036 χ^2/NDF: 3215867.3/47

Right: 592.769+/-0.080 χ^2/NDF: 10364708.4/58

In: 349.032+/-0.046 χ^2/NDF:11279321.3/49

Out: 348.801+/-0.045 χ^2/NDF:13530275.1/56

All: 348.914+/-0.032 χ^2/NDF: 24809609.1/10



Right In: 34.627+/-14.988 χ^2/NDF: 21.1/26

Left Out: -33.955+/-8.993 χ^2/NDF:58.7/24

Right Out: 32.562+/-14.823 χ^2/NDF: 39.8/31

Left In: -26.267+/-9.271 χ^2/NDF:22.5/22

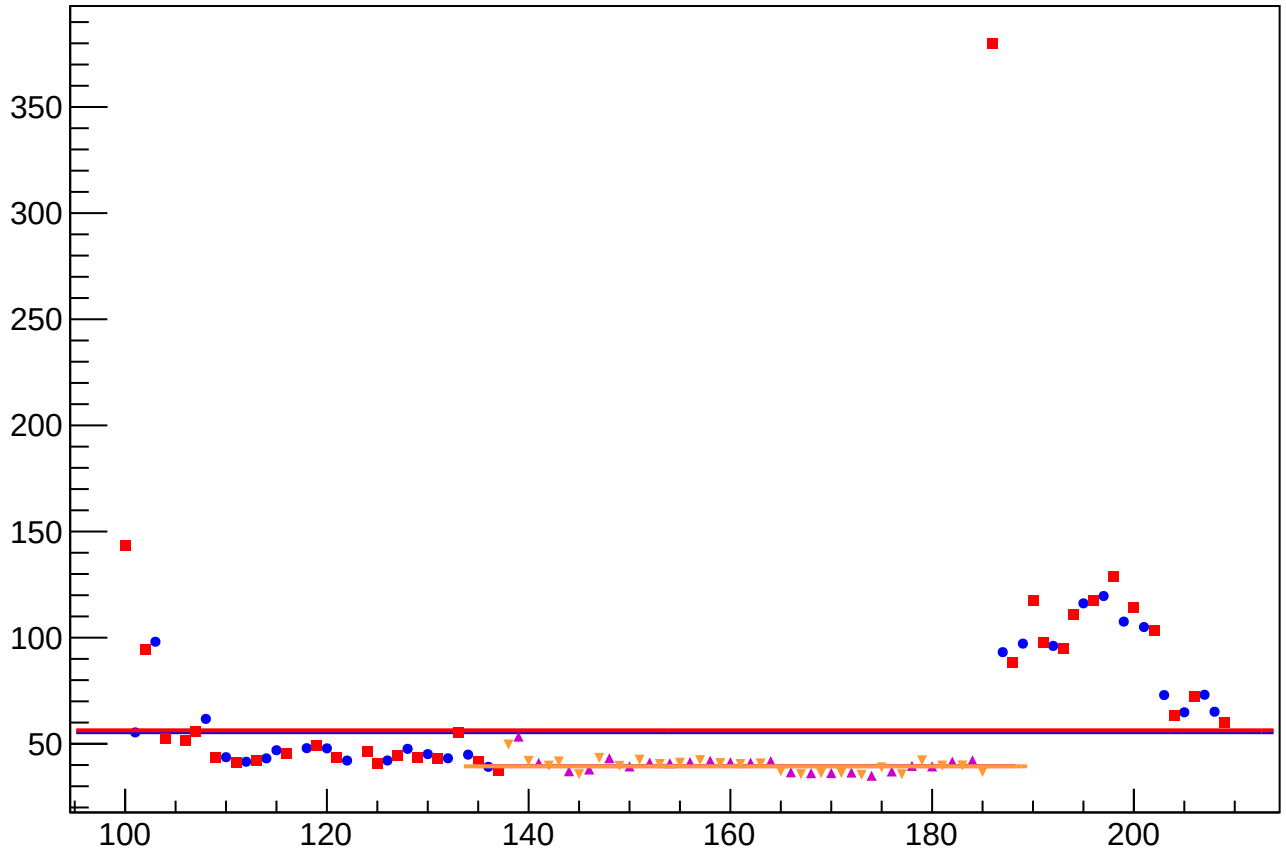
Left: -30.228+/-6.455 χ^2/NDF: 81.6/47

Right: 33.583+/-10.539 χ^2/NDF: 60.9/58

In: -9.414+/-7.885 χ^2/NDF:55.5/49

Out: -16.058+/-7.689 χ^2/NDF:113.2/56

All: -12.819+/-5.505 χ^2/NDF: 169.2/106



Right In: 55.478+/-0.011 χ^2/NDF: 3706942.3/26

Left Out: 39.383+/-0.006 χ^2/NDF:228799.9/24

Right Out: 56.343+/-0.010 χ^2/NDF: 4977225.0/31

Left In: 39.491+/-0.007 χ^2/NDF:251801.8/22

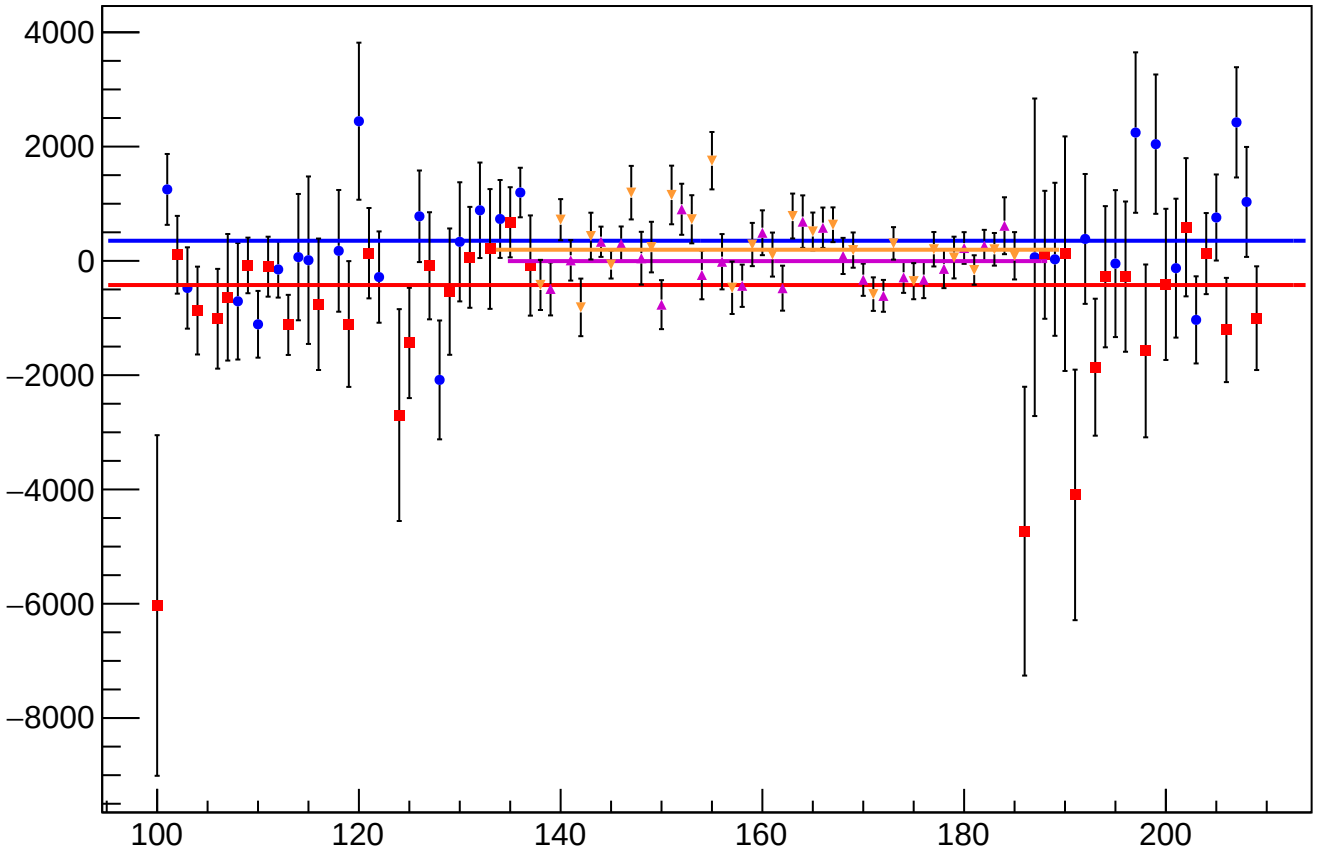
Left: 39.435+/-0.005 χ^2/NDF: 480742.3/47

Right: 55.915+/-0.007 χ^2/NDF: 8687539.6/58

In: 43.915+/-0.006 χ^2/NDF:5604469.3/49

Out: 43.946+/-0.005 χ^2/NDF:7119988.1/56

All: 43.931+/-0.004 χ^2/NDF: 12724473.0/106



Right In: 352.256+/-160.721 χ^2/NDF: 38.0/26

Left Out: 195.028+/-70.093 χ^2/NDF:48.6/24

Right Out: -422.717+/-158.817 χ^2/NDF: 25.9/31

Left In: -4.014+/-71.981 χ^2/NDF:32.4/22

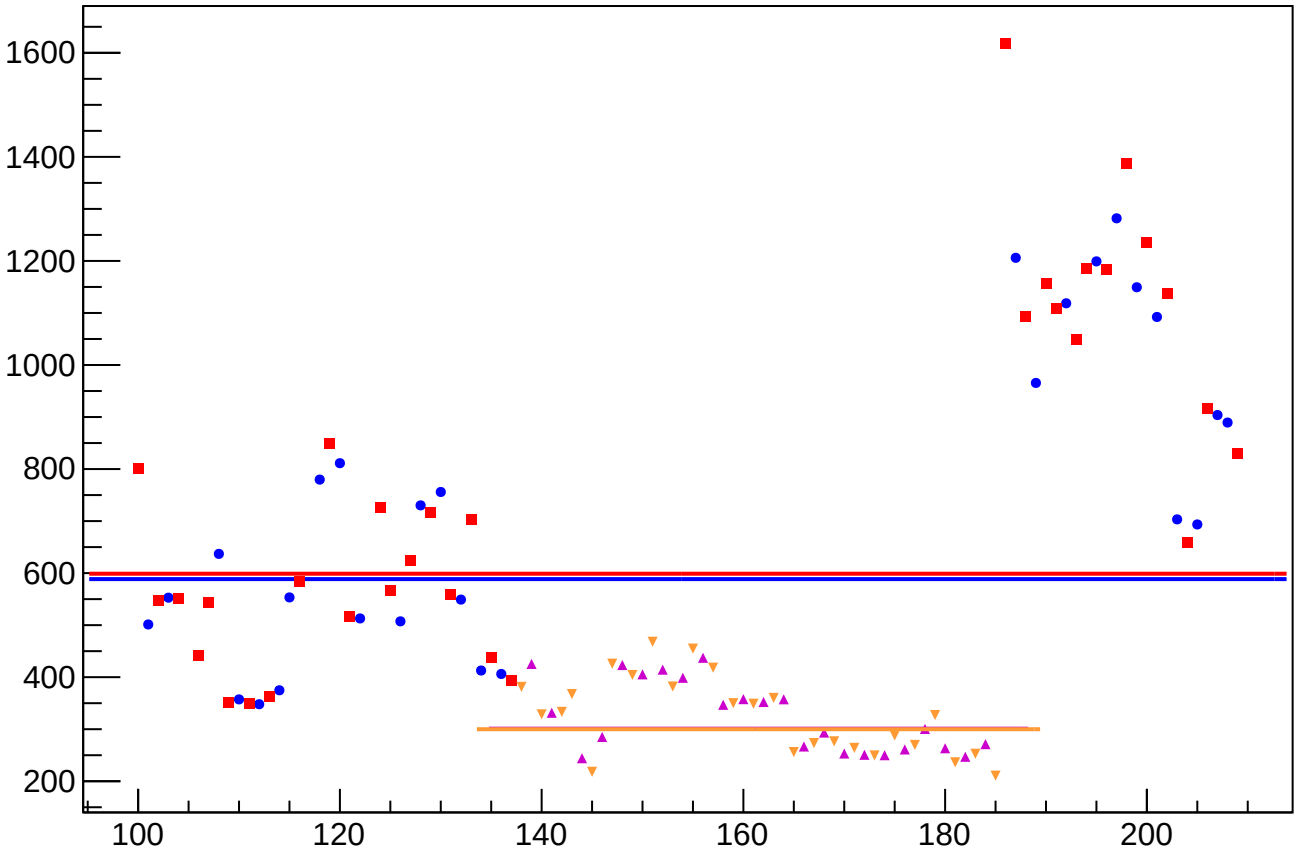
Left: 98.152+/-50.217 χ^2/NDF: 84.9/47

Right: -39.850+/-112.968 χ^2/NDF: 75.6/58

In: 55.507+/-65.693 χ^2/NDF:74.4/49

Out: 94.318+/-64.125 χ^2/NDF:87.1/56

All: 75.381+/-45.888 χ^2/NDF: 161.7/106



Right In: 588.501+/-0.114 χ^2/NDF: 4541640.6/26

Left Out: 299.976+/-0.050 χ^2/NDF:1808454.4/24

Right Out: 598.834+/-0.112 χ^2/NDF: 5792163.5/31

Left In: 300.999+/-0.051 χ^2/NDF:1407206.0/22

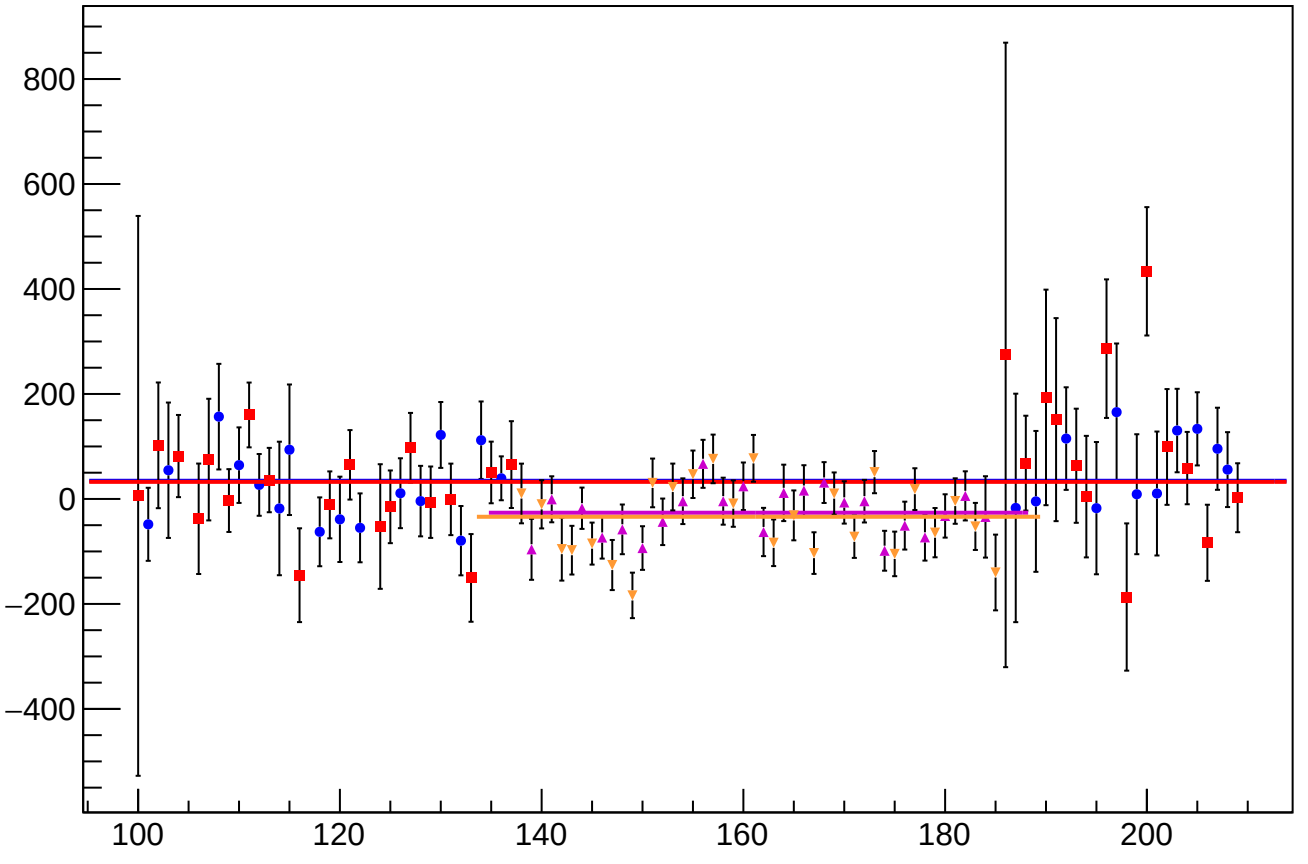
Left: 300.474+/-0.036 χ^2/NDF: 3215867.7/47

Right: 593.729+/-0.080 χ^2/NDF: 10337986.7/58

In: 349.032+/-0.046 χ^2/NDF:11279382.5/49

Out: 348.699+/-0.045 χ^2/NDF:13528183.1/56

All: 348.861+/-0.032 χ^2/NDF: 24807592.0/10



Right In: 34.627+/-14.988 χ^2/NDF: 21.1/26

Left Out: -33.955+/-8.993 χ^2/NDF:58.7/24

Right Out: 32.562+/-14.823 χ^2/NDF: 39.8/31

Left In: -26.267+/-9.271 χ^2/NDF:22.5/22

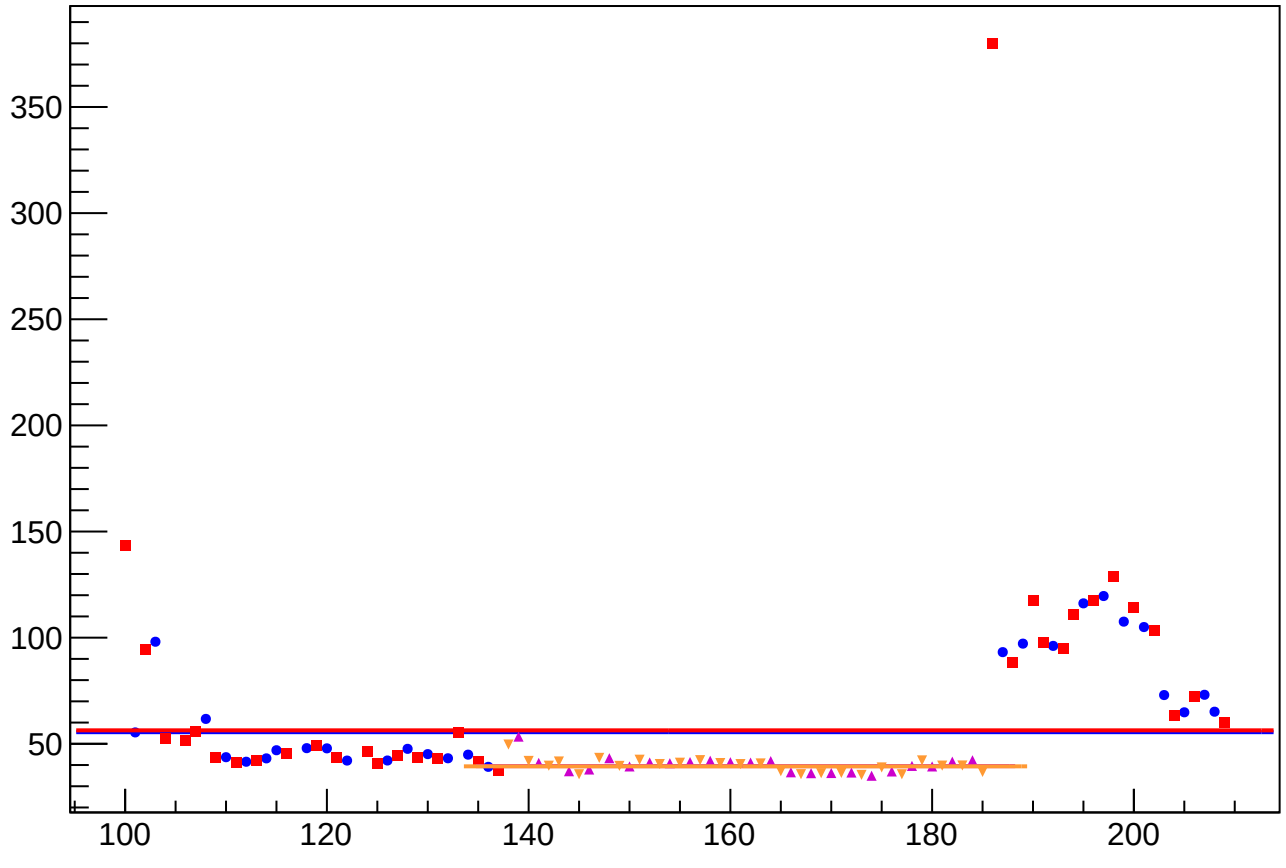
Left: -30.228+/-6.455 χ^2/NDF: 81.6/47

Right: 33.583+/-10.539 χ^2/NDF: 60.9/58

In: -9.414+/-7.885 χ^2/NDF:55.5/49

Out: -16.058+/-7.689 χ^2/NDF:113.2/56

All: -12.819+/-5.505 χ^2/NDF: 169.2/106



Right In: 55.478+/-0.011 χ^2/NDF: 3706942.3/26

Left Out: 39.383+/-0.006 χ^2/NDF:228799.9/24

Right Out: 56.343+/-0.010 χ^2/NDF: 4977225.0/31

Left In: 39.491+/-0.007 χ^2/NDF:251801.8/22

Left: 39.435+/-0.005 χ^2/NDF: 480742.3/47

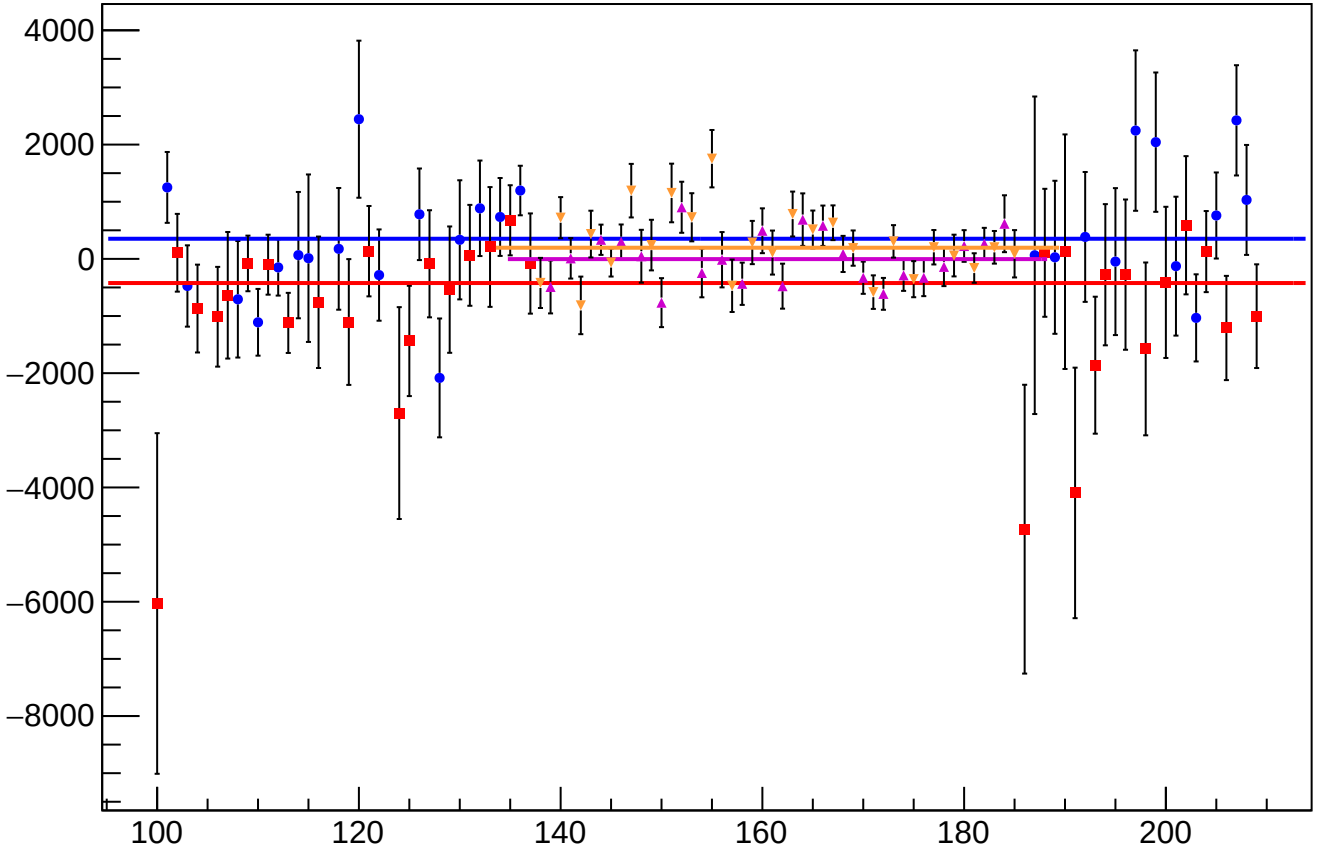
Right: 55.915+/-0.007 χ^2/NDF: 8687539.6/58

In: 43.915+/-0.006 χ^2/NDF:5604469.3/49

Out: 43.946+/-0.005 χ^2/NDF:7119988.1/56

All: 43.931+/-0.004 χ^2/NDF: 12724473.0/106

asym_sam_15_37_dd_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: 352.256+/-160.721 χ^2/NDF: 38.0/26

Left Out: 195.028+/-70.093 χ^2/NDF:48.6/24

Right Out: -422.717+/-158.817 χ^2/NDF: 25.9/31

Left In: -4.014+/-71.981 χ^2/NDF:32.4/22

Left: 98.152+/-50.217 χ^2/NDF: 84.9/47

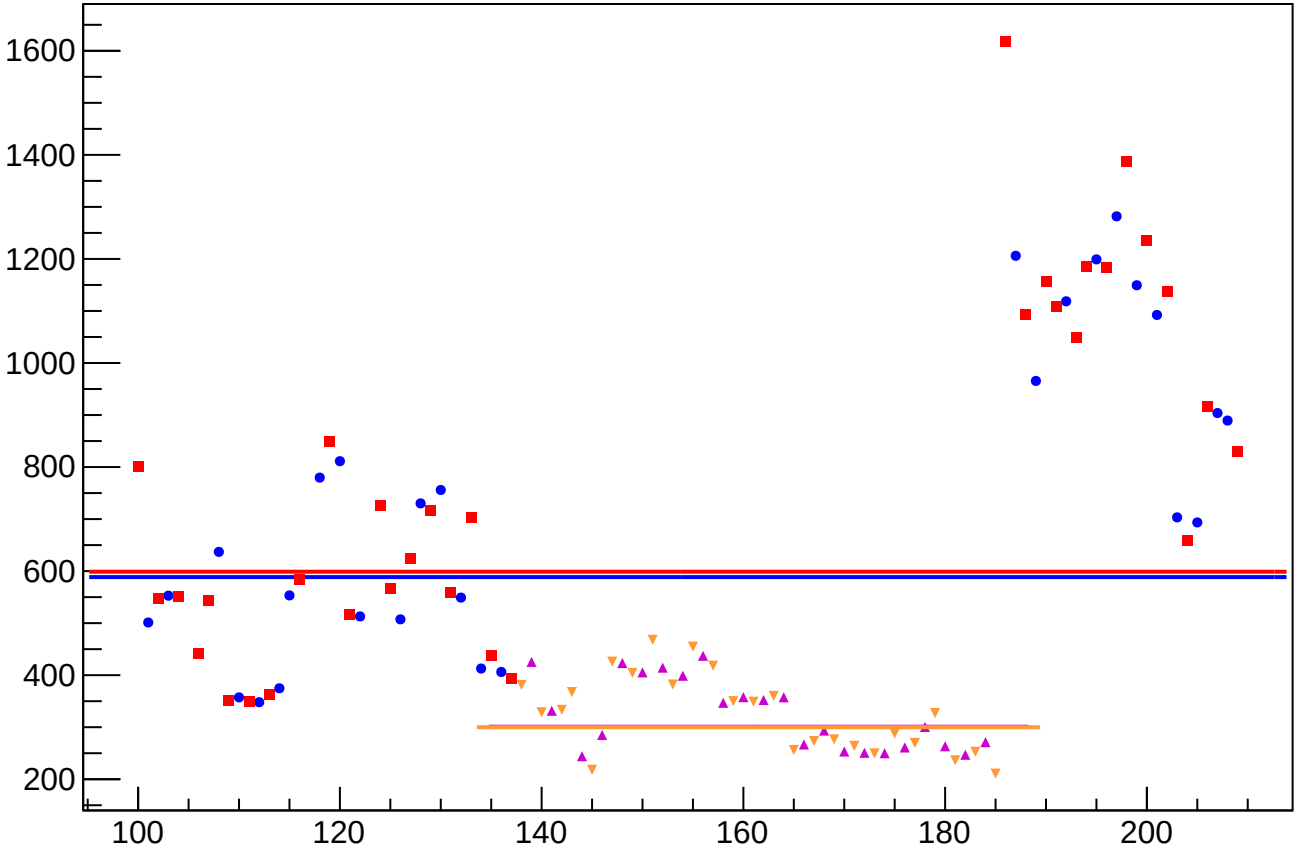
Right: -39.850+/-112.968 χ^2/NDF: 75.6/58

In: 55.507+/-65.693 χ^2/NDF:74.4/49

Out: 94.318+/-64.125 χ^2/NDF:87.1/56

All: 75.381+/-45.888 χ^2/NDF: 161.7/106

asym_sam_15_37_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 588.501+/-0.114 χ^2/NDF: 4541640.6/26

Left Out: 299.976+/-0.050 χ^2/NDF:1808454.4/24

Right Out: 598.834+/-0.112 χ^2/NDF: 5792163.5/31

Left In: 300.999+/-0.051 χ^2/NDF:1407206.0/22

Left: 300.474+/-0.036 χ^2/NDF: 3215867.7/47

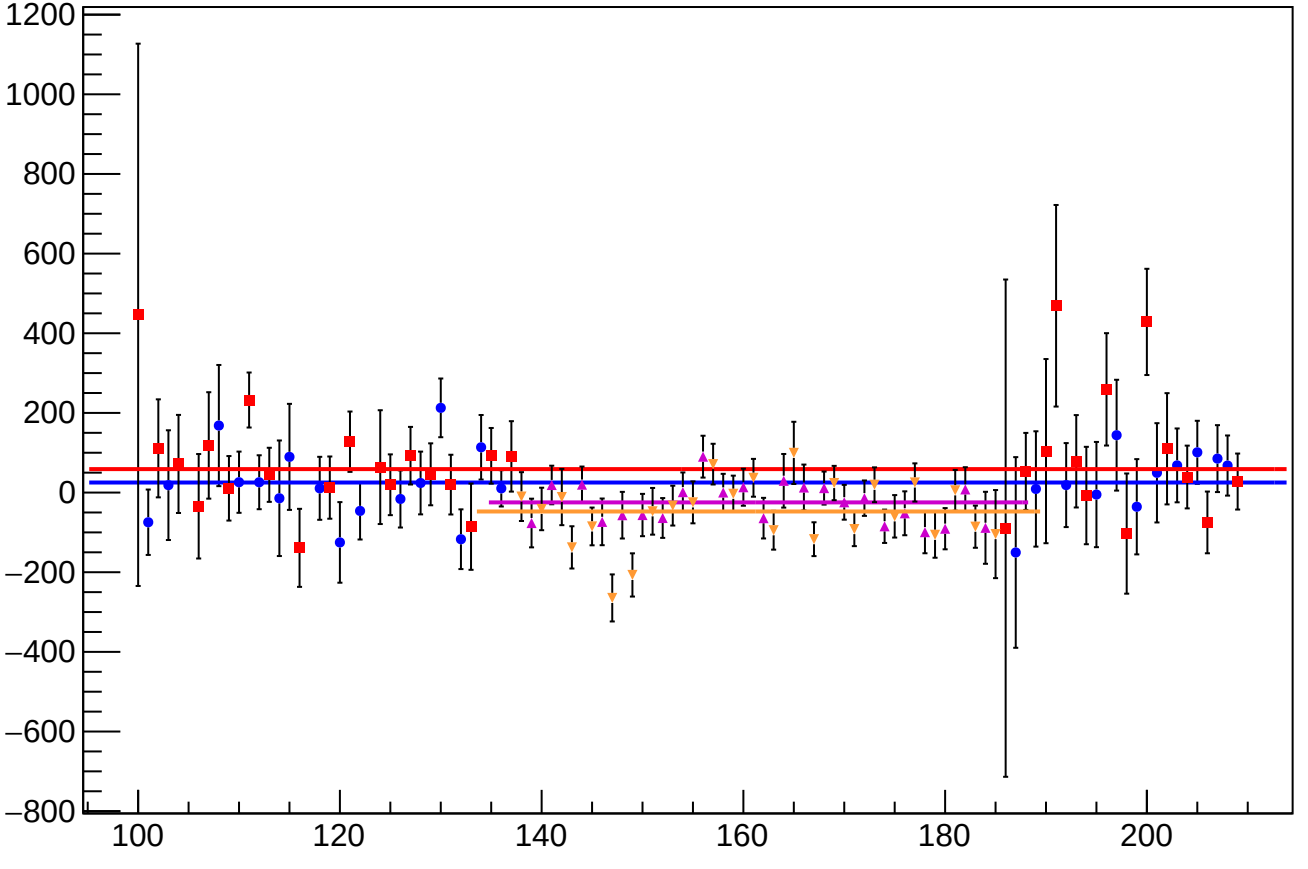
Right: 593.729+/-0.080 χ^2/NDF: 10337986.7/58

In: 349.032+/-0.046 χ^2/NDF:11279382.5/49

Out: 348.699+/-0.045 χ^2/NDF:13528183.1/56

All: 348.861+/-0.032 χ^2/NDF: 24807592.0/10

dit_asym_sam_15_37_dd_mean vs Slug, Sign Corrected



Right In: 25.240+/-16.832 χ^2/NDF: 21.2/26

Left Out: -47.480+/-10.392 χ^2/NDF:54.7/24

Right Out: 58.914+/-17.003 χ^2/NDF: 33.4/31

Left In: -24.687+/-10.660 χ^2/NDF:19.7/22

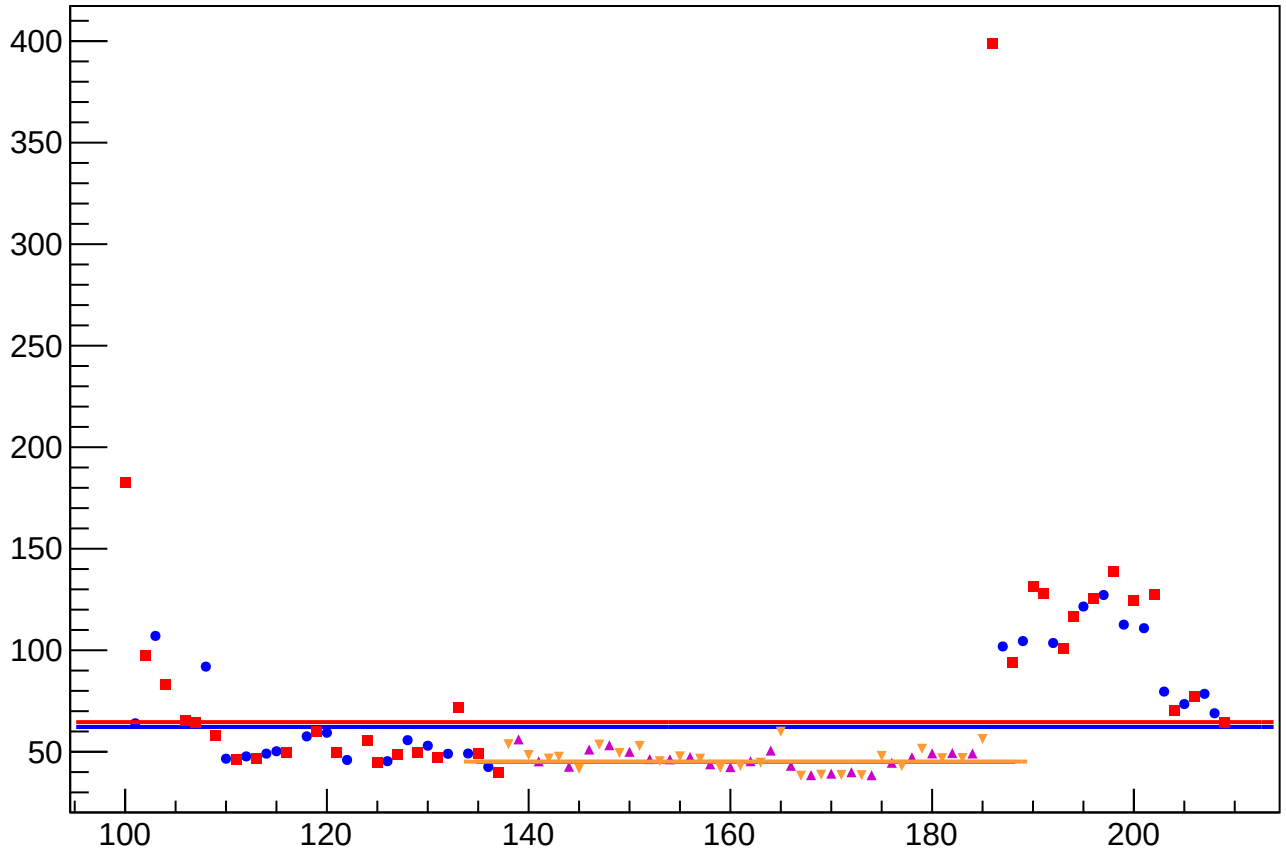
Left: -36.373+/-7.441 χ^2/NDF: 76.7/47

Right: 41.907+/-11.962 χ^2/NDF: 56.5/58

In: -10.395+/-9.006 χ^2/NDF:47.2/49

Out: -18.544+/-8.867 χ^2/NDF:116.6/56

All: -14.533+/-6.318 χ^2/NDF: 164.1/106



Right In: 62.213+/-0.012 χ^2/NDF: 3485563.0/26

Left Out: 45.175+/-0.007 χ^2/NDF:489860.2/24

Right Out: 64.615+/-0.012 χ^2/NDF: 4701879.9/31

Left In: 45.017+/-0.008 χ^2/NDF:372690.8/22

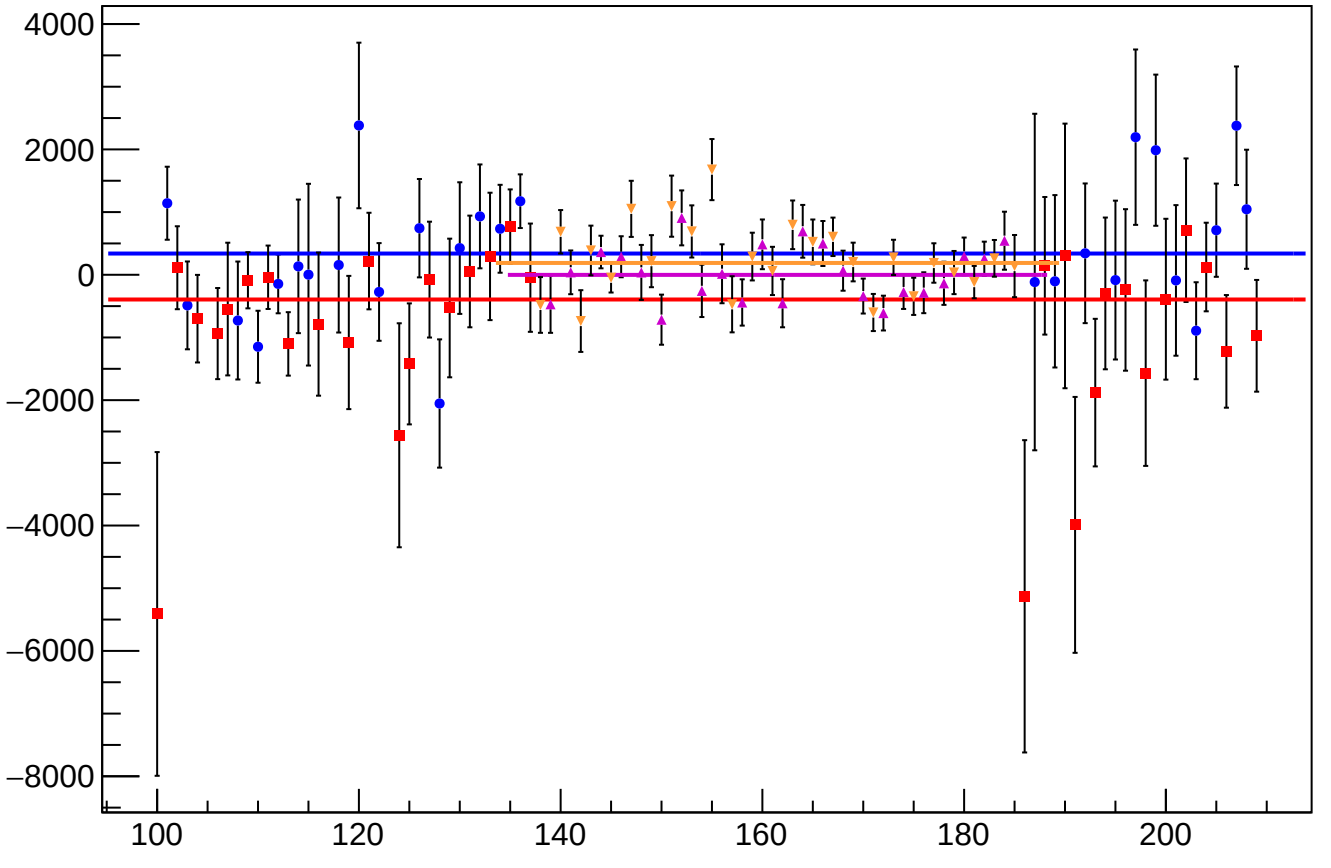
Left: 45.098+/-0.005 χ^2/NDF: 862775.1/47

Right: 63.402+/-0.008 χ^2/NDF: 8207605.1/58

In: 49.940+/-0.006 χ^2/NDF:5347958.5/49

Out: 50.462+/-0.006 χ^2/NDF:7095119.0/56

All: 50.205+/-0.004 χ^2/NDF: 12446494.1/106



Right In: 338.823+/-157.597 χ^2/NDF: 37.8/26

Left Out: 188.812+/-69.714 χ^2/NDF:46.8/24

Right Out: -394.318+/-152.569 χ^2/NDF: 28.7/31

Left In: -1.655+/-71.712 χ^2/NDF:32.2/22

Left: 96.270+/-49.987 χ^2/NDF: 82.6/47

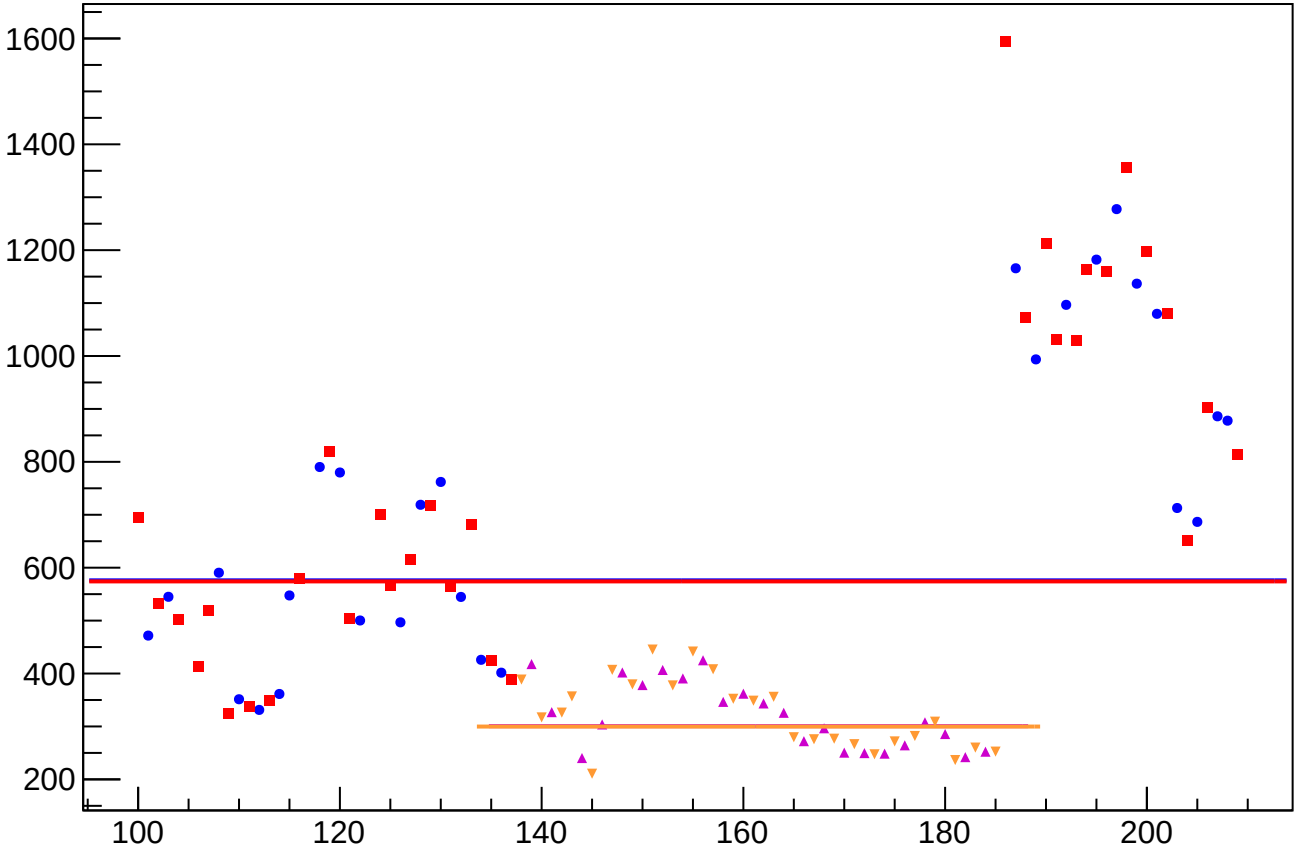
Right: -39.629+/-109.617 χ^2/NDF: 77.7/58

In: 56.751+/-65.272 χ^2/NDF:73.9/49

Out: 88.092+/-63.408 χ^2/NDF:87.5/56

All: 72.875+/-45.481 χ^2/NDF: 161.6/106

asym_sam_15_37_dd_dit_correction_rms vs Slug, Sign Corrected



Right In: 576.094+/-0.111 χ^2/NDF: 4681705.5/26

Left Out: 299.798+/-0.049 χ^2/NDF:1577420.4/24

Right Out: 574.081+/-0.108 χ^2/NDF: 6077401.1/31

Left In: 300.544+/-0.051 χ^2/NDF:1259270.5/22

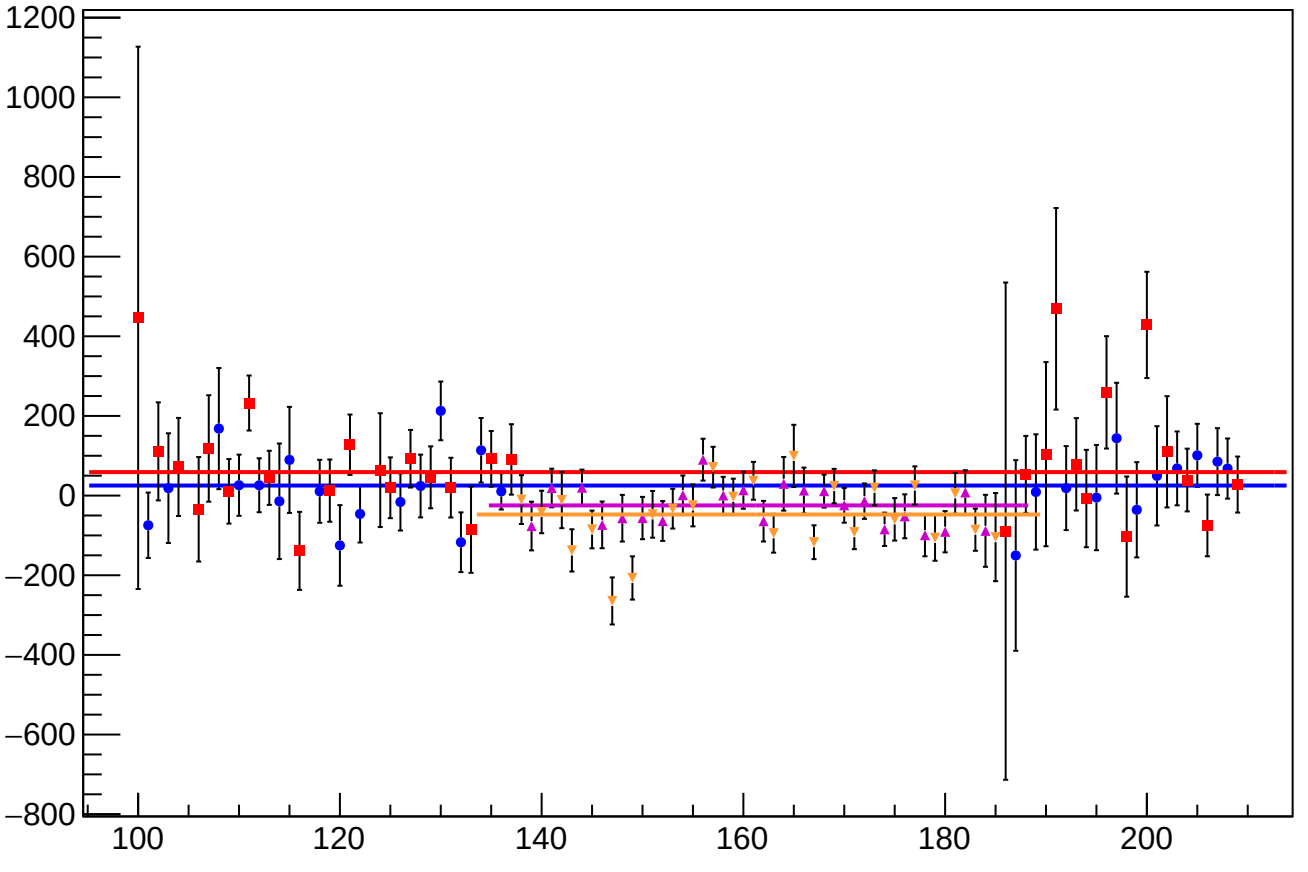
Left: 300.161+/-0.035 χ^2/NDF: 2836802.1/47

Right: 575.055+/-0.078 χ^2/NDF: 10759275.2/58

In: 347.812+/-0.046 χ^2/NDF:11006297.8/49

Out: 347.173+/-0.045 χ^2/NDF:13002218.5/56

All: 347.483+/-0.032 χ^2/NDF: 24008614.7/10



Right In: 25.239+/-16.832 χ^2/NDF: 21.2/26

Left Out: -47.480+/-10.392 χ^2/NDF:54.7/24

Right Out: 58.915+/-17.003 χ^2/NDF: 33.4/31

Left In: -24.687+/-10.660 χ^2/NDF:19.7/22

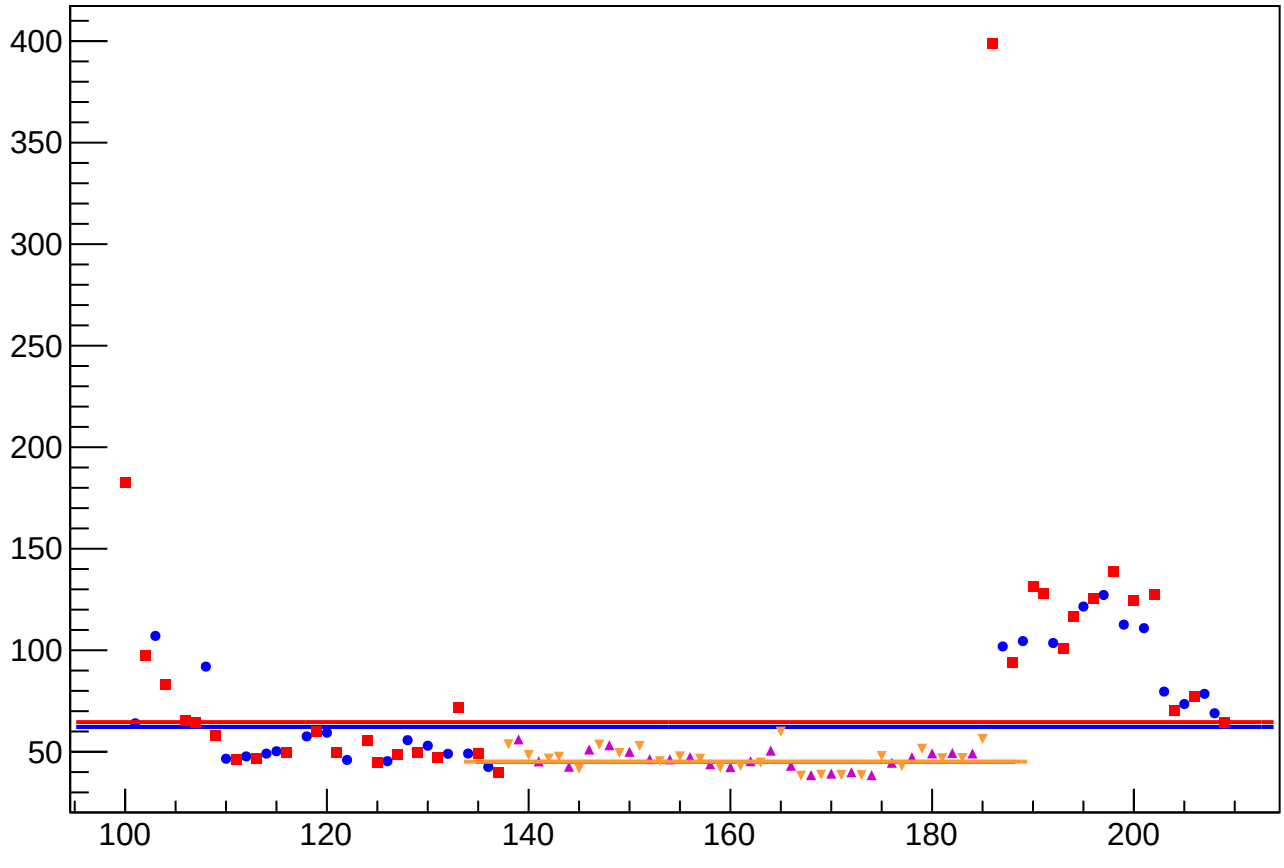
Left: -36.373+/-7.441 χ^2/NDF: 76.7/47

Right: 41.907+/-11.962 χ^2/NDF: 56.5/58

In: -10.395+/-9.006 χ^2/NDF:47.2/49

Out: -18.544+/-8.867 χ^2/NDF:116.6/56

All: -14.533+/-6.318 χ^2/NDF: 164.1/106



Right In: 62.213+/-0.012 χ^2/NDF: 3485568.0/26

Left Out: 45.175+/-0.007 χ^2/NDF:489860.2/24

Right Out: 64.615+/-0.012 χ^2/NDF: 4701884.3/31

Left In: 45.017+/-0.008 χ^2/NDF:372691.9/22

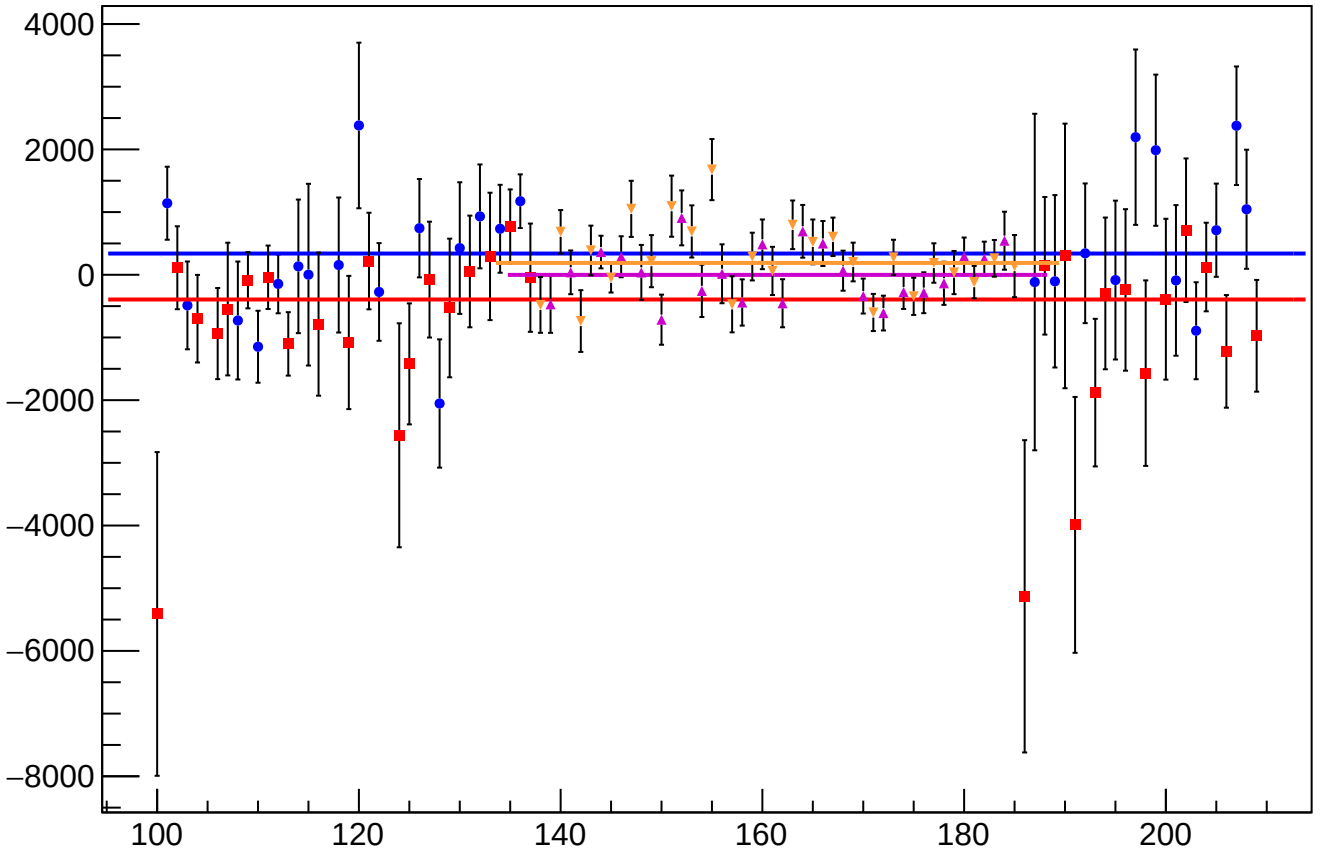
Left: 45.098+/-0.005 χ^2/NDF: 862776.2/47

Right: 63.402+/-0.008 χ^2/NDF: 8207614.9/58

In: 49.940+/-0.006 χ^2/NDF:5347959.7/49

Out: 50.462+/-0.006 χ^2/NDF:7095130.0/56

All: 50.205+/-0.004 χ^2/NDF: 12446505.9/106



Right In: 338.822+/-157.597 χ^2/NDF: 37.8/26

Left Out: 188.813+/-69.714 χ^2/NDF:46.8/24

Right Out: -394.318+/-152.569 χ^2/NDF: 28.7/31

Left In: -1.654+/-71.712 χ^2/NDF:32.2/22

Left: 96.270+/-49.987 χ^2/NDF: 82.6/47

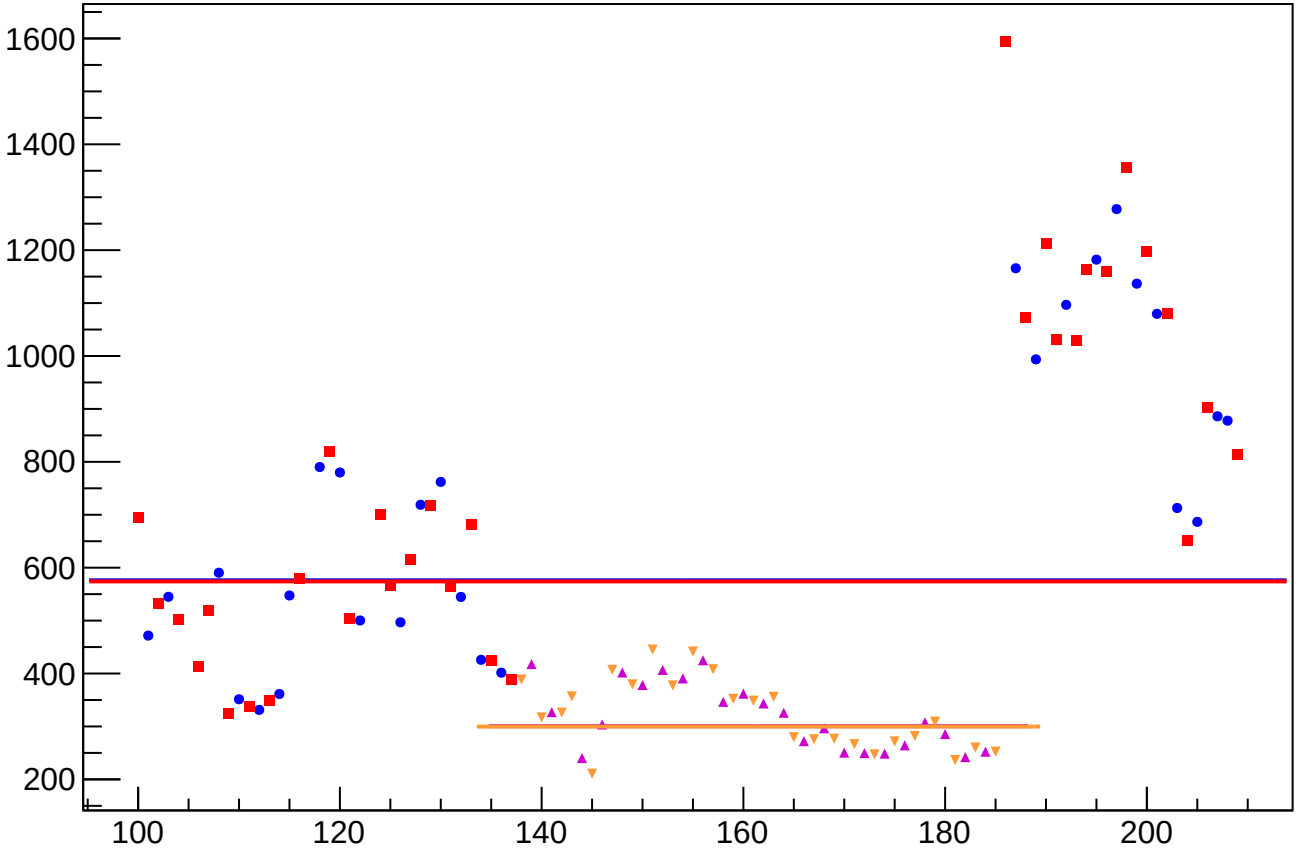
Right: -39.629+/-109.617 χ^2/NDF: 77.7/58

In: 56.751+/-65.273 χ^2/NDF:73.9/49

Out: 88.092+/-63.408 χ^2/NDF:87.5/56

All: 72.875+/-45.481 χ^2/NDF: 161.6/106

asym_sam_15_37_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 576.094+/-0.111 χ^2/NDF: 4681719.3/26

Left Out: 299.798+/-0.049 χ^2/NDF:1577421.4/24

Right Out: 574.080+/-0.108 χ^2/NDF: 6077410.3/31

Left In: 300.544+/-0.051 χ^2/NDF:1259265.2/22

Left: 300.161+/-0.035 χ^2/NDF: 2836797.9/47

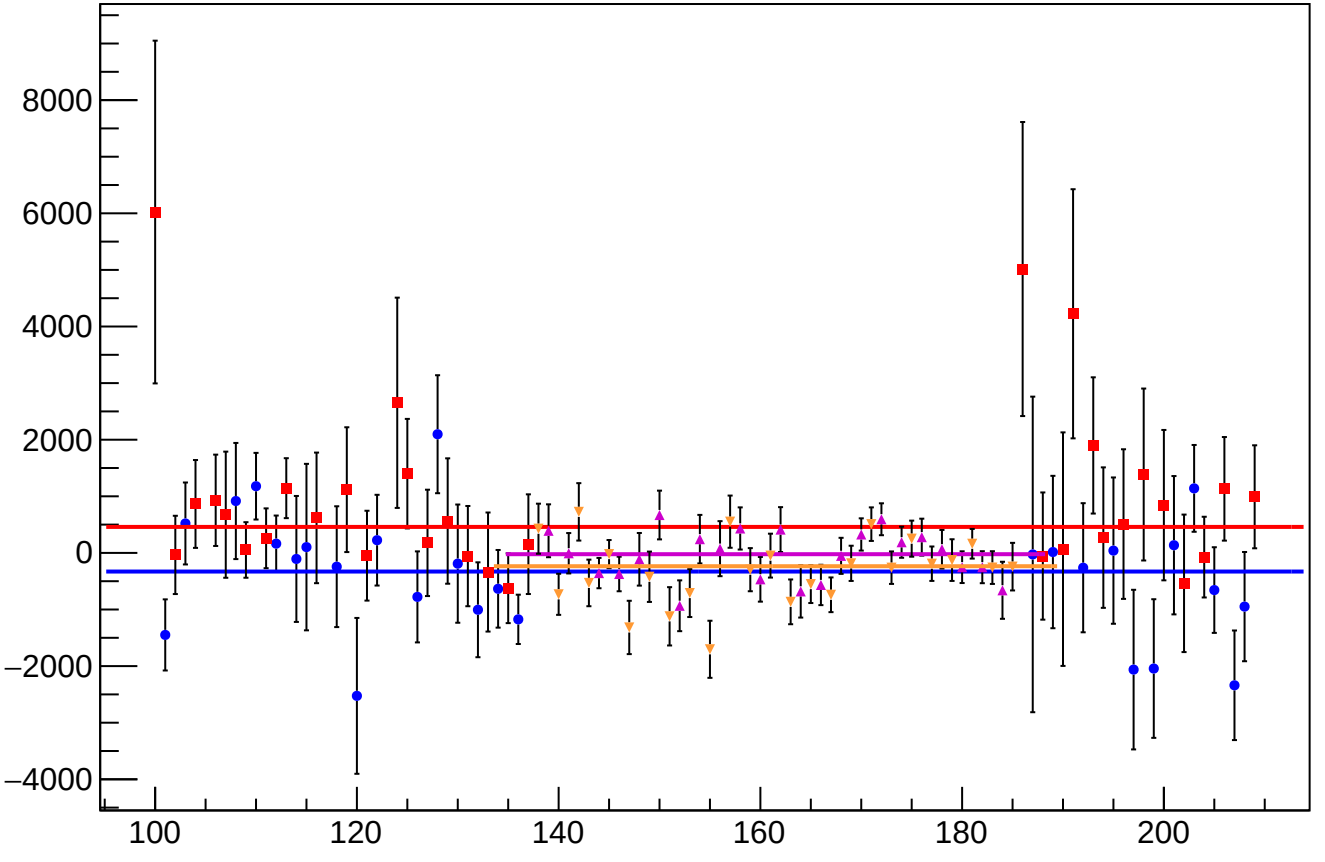
Right: 575.054+/-0.078 χ^2/NDF: 10759298.2/58

In: 347.812+/-0.046 χ^2/NDF:11006268.7/49

Out: 347.174+/-0.045 χ^2/NDF:13002197.5/56

All: 347.484+/-0.032 χ^2/NDF: 24008564.8/10

asym_sam_15_37_dd_mean vs Slug, Sign Corrected



Right In: -329.188+/-161.718 χ^2/NDF: 39.4/26

Left Out: -235.168+/-70.741 χ^2/NDF:47.5/24

Right Out: 459.345+/-159.294 χ^2/NDF: 24.7/31

Left In: -22.662+/-72.642 χ^2/NDF:29.9/22

Left: -131.732+/-50.680 χ^2/NDF: 81.7/47

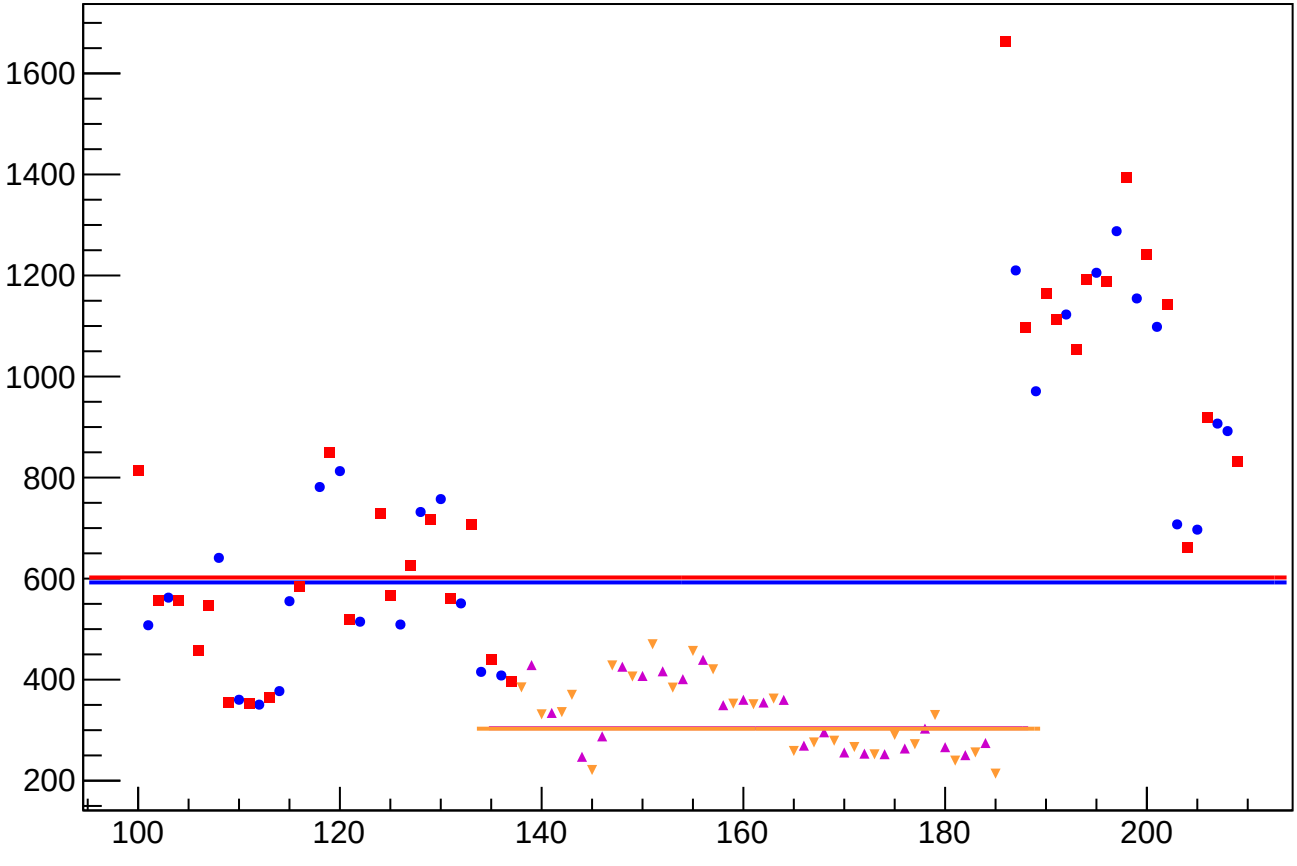
Right: 71.033+/-113.485 χ^2/NDF: 76.2/58

In: -74.127+/-66.264 χ^2/NDF:72.3/49

Out: -120.761+/-64.653 χ^2/NDF:88.0/56

All: -98.018+/-46.276 χ^2/NDF: 160.5/106

asym_sam_15_37_dd_rms vs Slug, Sign Corrected



Right In: 592.423+/-0.114 χ^2/NDF: 4517087.3/26

Left Out: 302.944+/-0.050 χ^2/NDF:1766061.8/24

Right Out: 602.266+/-0.113 χ^2/NDF: 5770073.1/31

Left In: 303.923+/-0.051 χ^2/NDF:1376278.3/22

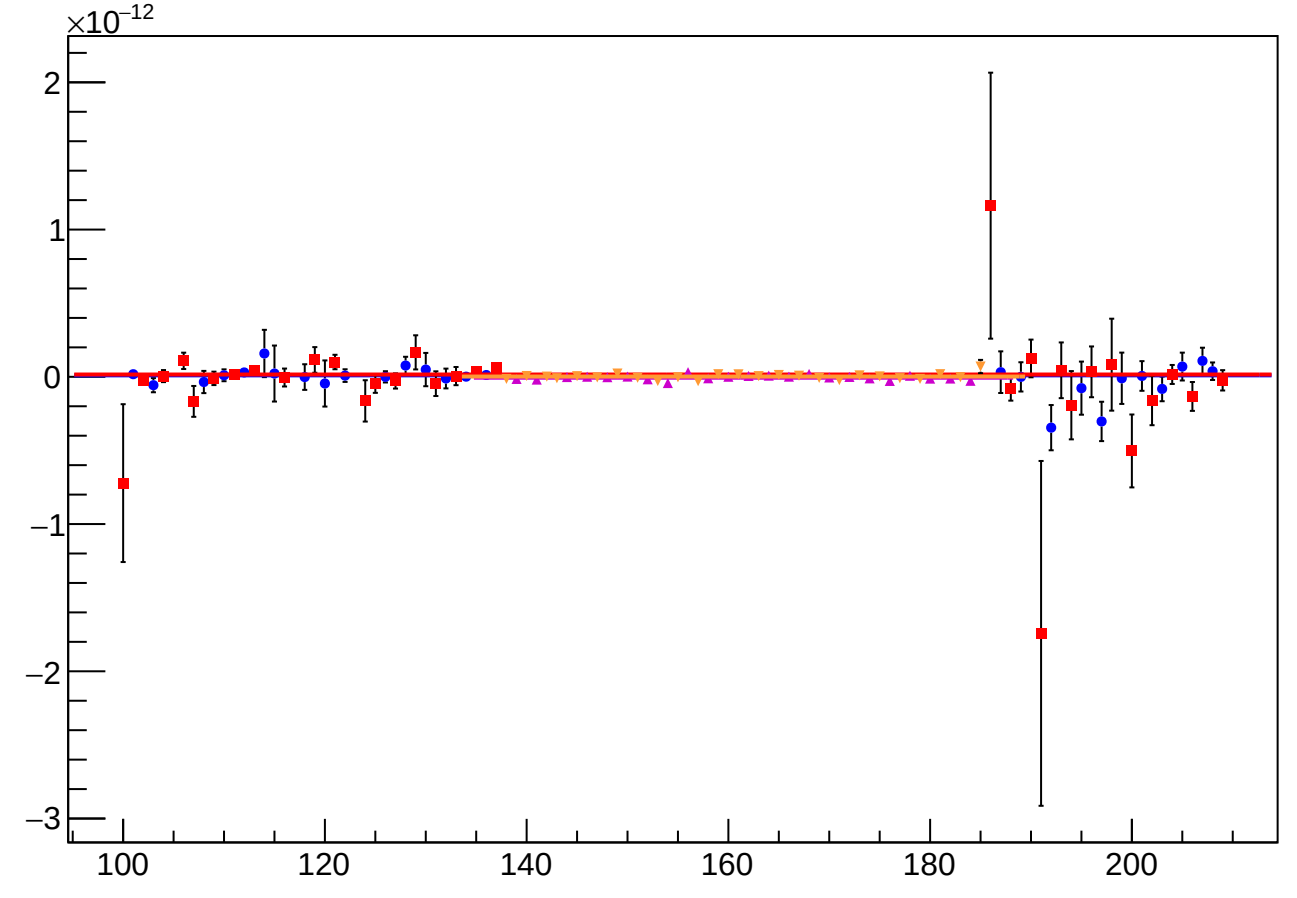
Left: 303.420+/-0.036 χ^2/NDF: 3142526.7/47

Right: 597.419+/-0.080 χ^2/NDF: 10290921.1/58

In: 352.361+/-0.047 χ^2/NDF:11189763.8/49

Out: 352.251+/-0.046 χ^2/NDF:13434555.3/56

All: 352.304+/-0.033 χ^2/NDF: 24624321.9/10



Right In: 0.000+/-0.000 χ^2/NDF: 19.6/26

Left Out: 0.000+/-0.000 χ^2/NDF:22.9/24

Right Out: 0.000+/-0.000 χ^2/NDF: 38.8/31

Left In: -0.000+/-0.000 χ^2/NDF:18.2/22

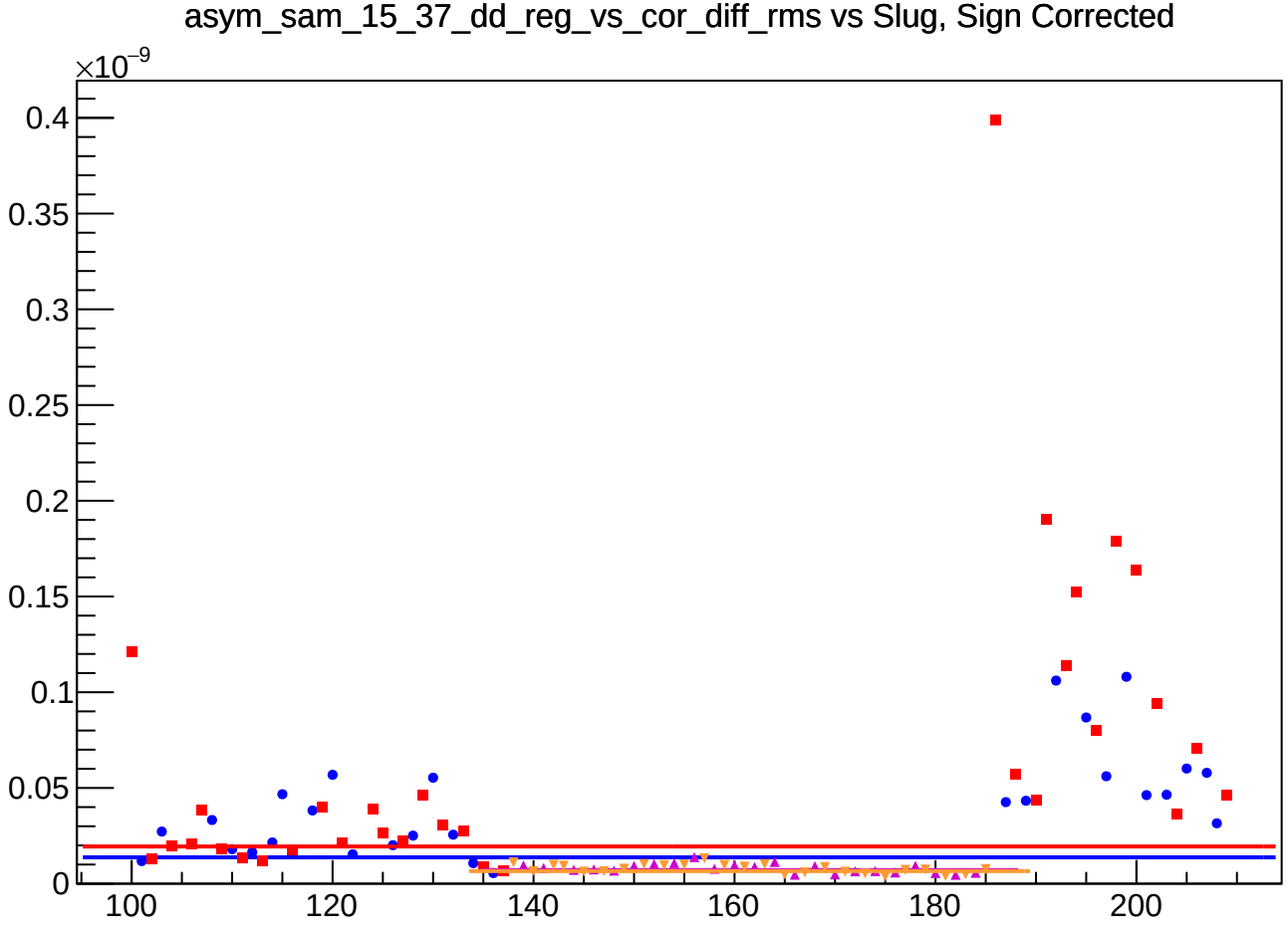
Left: -0.000+/-0.000 χ^2/NDF: 45.3/47

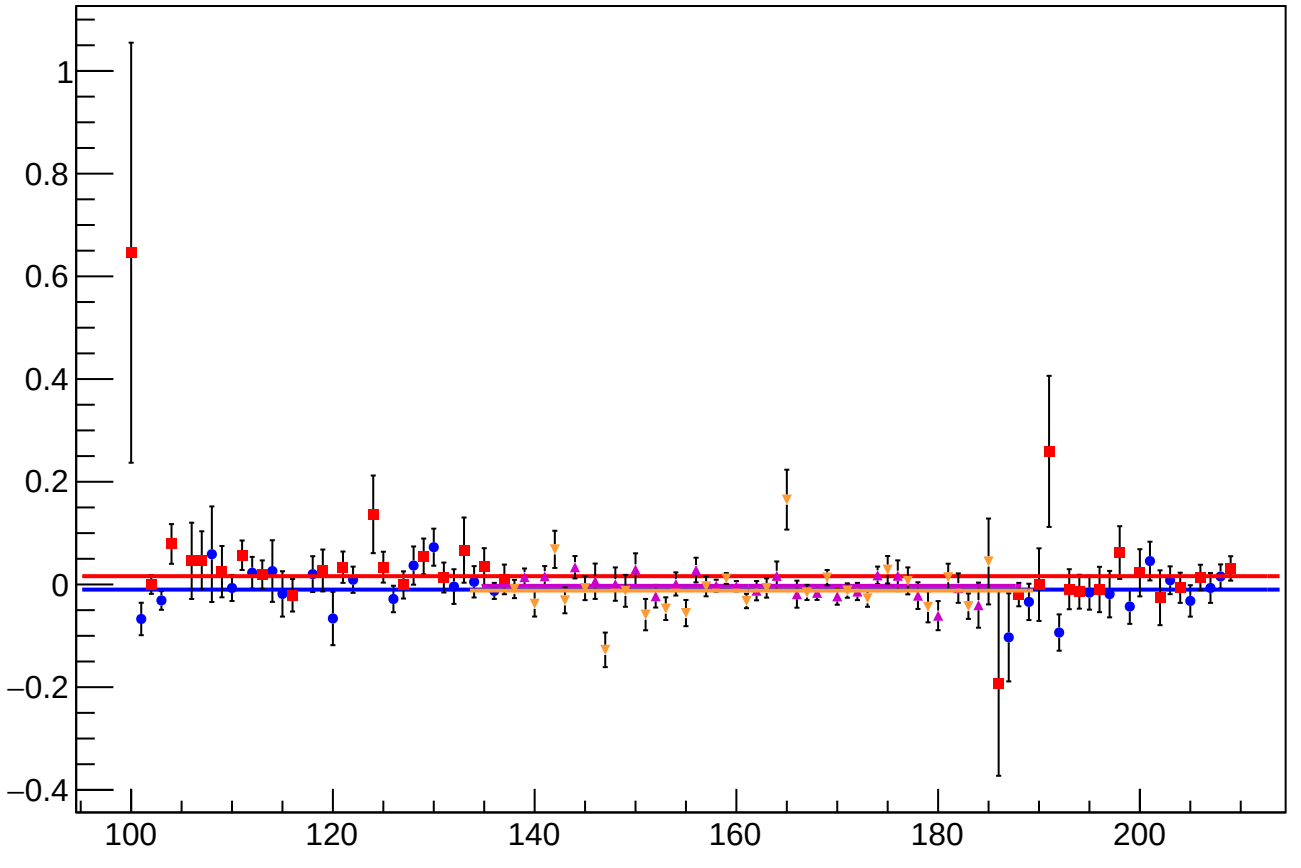
Right: 0.000+/-0.000 χ^2/NDF: 58.6/58

In: -0.000+/-0.000 χ^2/NDF:41.6/49

Out: 0.000+/-0.000 χ^2/NDF:63.5/56

All: -0.000+/-0.000 χ^2/NDF: 108.7/106


asym_sam_15_37_dd_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
0.4
0.35
0.3
0.25
0.2
0.15
0.1
0.05
0
100
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 6059152.8/26
Left Out: 0.000+/-0.000 χ²/NDF:1479029.9/24
Right Out: 0.000+/-0.000 χ²/NDF: 6322769.7/31
Left In: 0.000+/-0.000 χ²/NDF:981529.7/22
Left: 0.000+/-0.000 χ²/NDF: 2496461.4/47
Right: 0.000+/-0.000 χ²/NDF: 12793406.6/58
In: 0.000+/-0.000 χ²/NDF:8349982.2/49
Out: 0.000+/-0.000 χ²/NDF:11006775.6/56
All: 0.000+/-0.000 χ²/NDF: 19386753.1/106



Right In: -0.010+/-0.006 χ^2/NDF: 29.4/26

Left Out: -0.012+/-0.004 χ^2/NDF:53.4/24

Right Out: 0.016+/-0.006 χ^2/NDF: 26.2/31

Left In: -0.003+/-0.004 χ^2/NDF:19.8/22

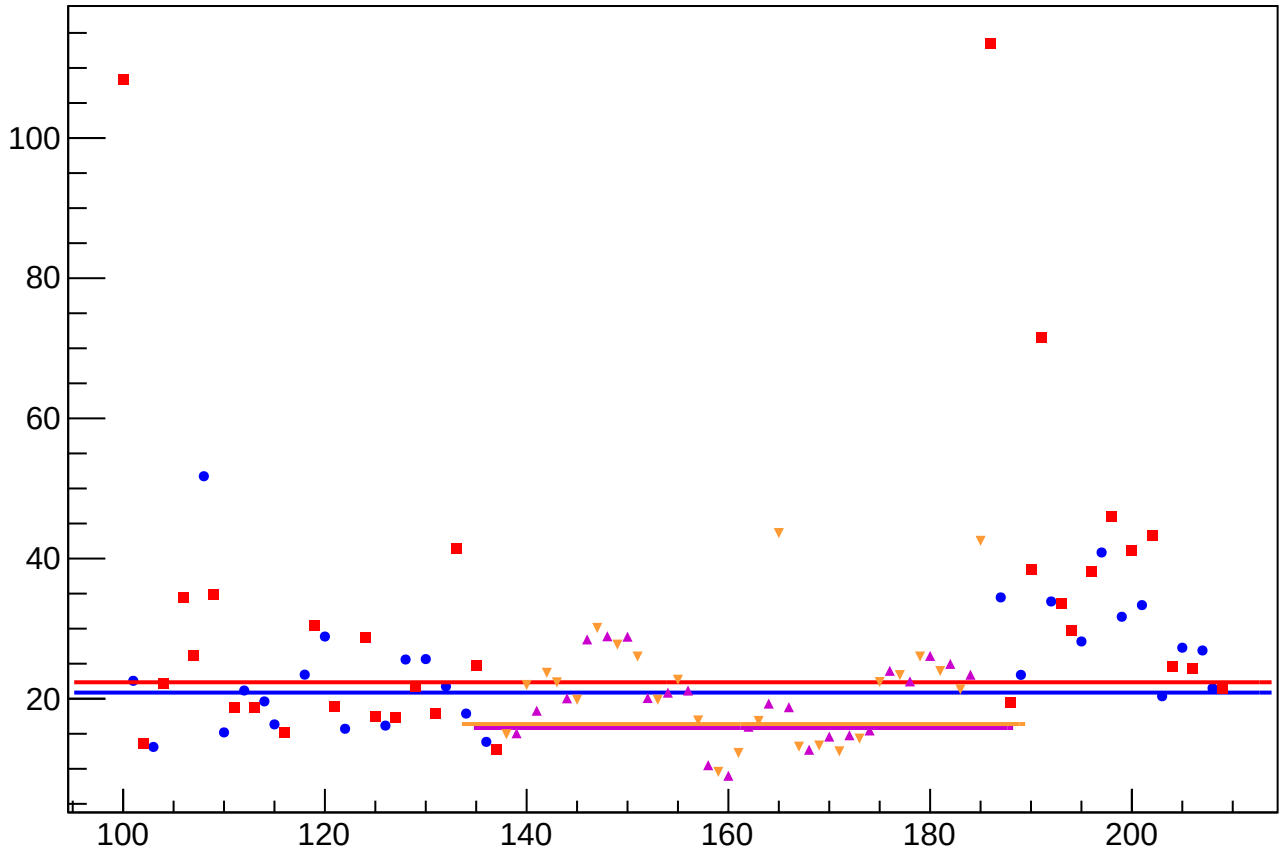
Left: -0.007+/-0.003 χ^2/NDF: 75.7/47

Right: 0.002+/-0.004 χ^2/NDF: 65.2/58

In: -0.005+/-0.003 χ^2/NDF:50.2/49

Out: -0.003+/-0.003 χ^2/NDF:94.2/56

All: -0.004+/-0.002 χ^2/NDF: 144.6/106



Right In: 20.876+/-0.004 χ^2/NDF: 2827780.8/26

Left Out: 16.387+/-0.003 χ^2/NDF:4030028.3/24

Right Out: 22.348+/-0.004 χ^2/NDF: 4098145.8/31

Left In: 15.824+/-0.003 χ^2/NDF:3654469.7/22

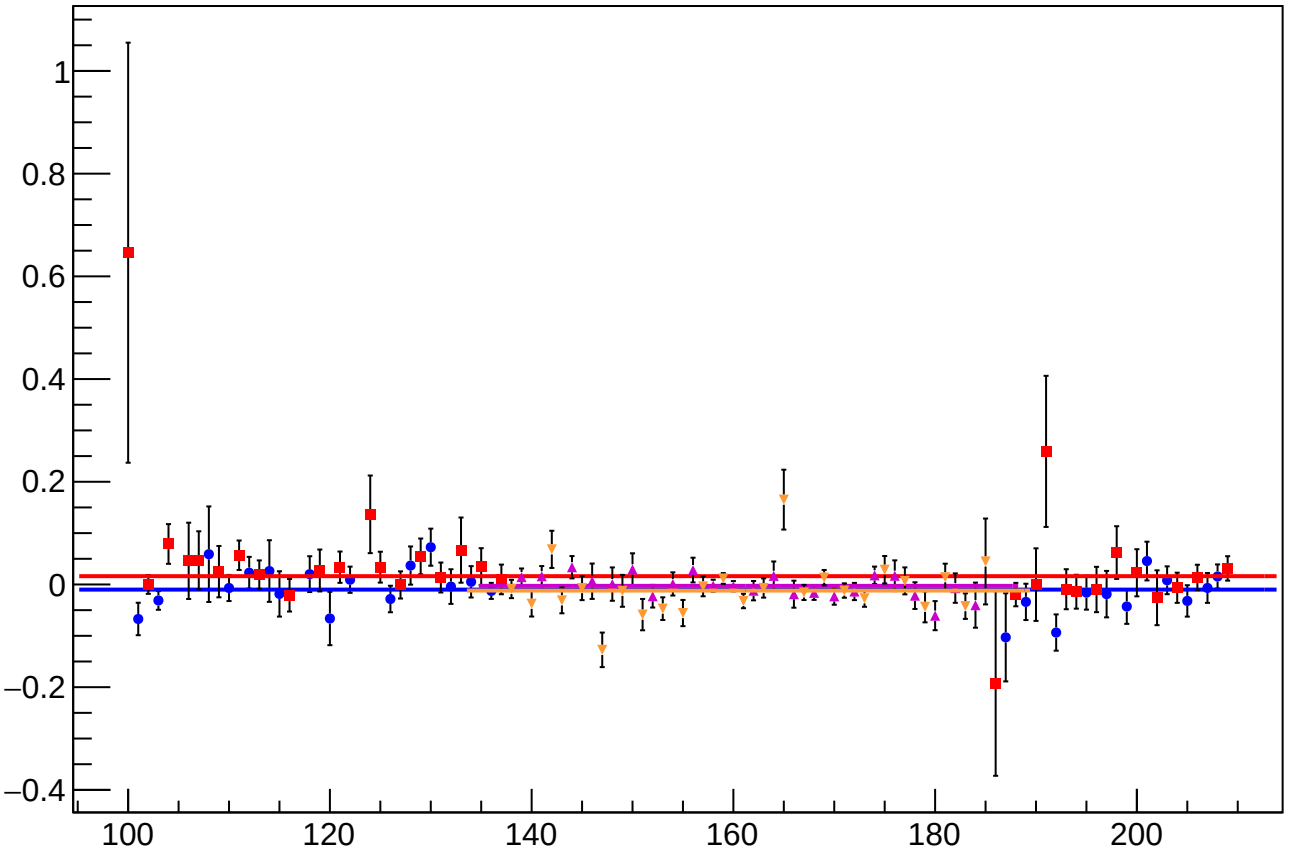
Left: 16.104+/-0.002 χ^2/NDF: 7703852.9/47

Right: 21.577+/-0.003 χ^2/NDF: 6986649.3/58

In: 17.463+/-0.002 χ^2/NDF:7497331.7/49

Out: 18.215+/-0.002 χ^2/NDF:9445926.2/56

All: 17.832+/-0.002 χ^2/NDF: 16993521.6/106



Right In: -0.010+/-0.006 χ^2/NDF: 29.4/26

Left Out: -0.012+/-0.004 χ^2/NDF:53.4/24

Right Out: 0.016+/-0.006 χ^2/NDF: 26.2/31

Left In: -0.003+/-0.004 χ^2/NDF:19.8/22

Left: -0.007+/-0.003 χ^2/NDF: 75.7/47

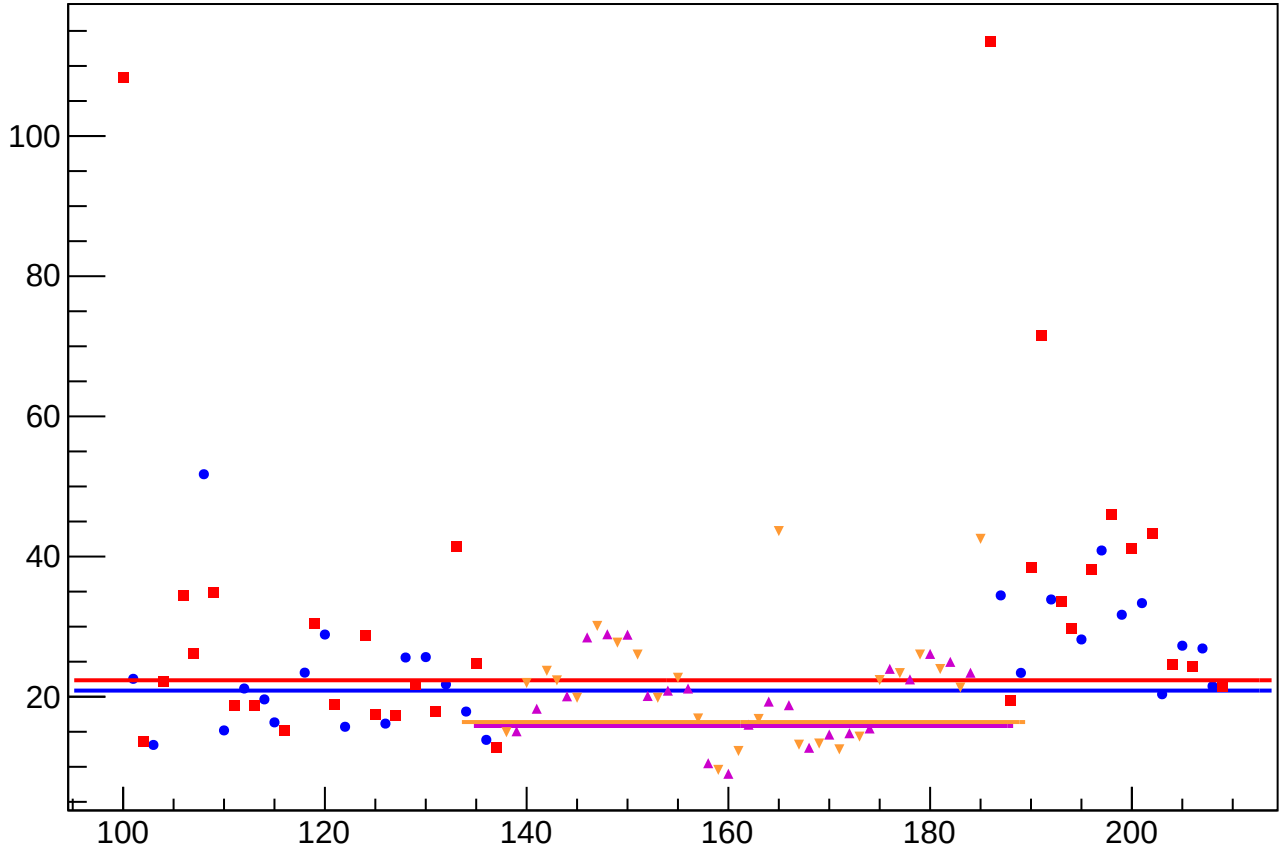
Right: 0.002+/-0.004 χ^2/NDF: 65.2/58

In: -0.005+/-0.003 χ^2/NDF:50.2/49

Out: -0.003+/-0.003 χ^2/NDF:94.2/56

All: -0.004+/-0.002 χ^2/NDF: 144.6/106

asym_sam_15_37_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 20.876+/-0.004 χ^2/NDF: 2827780.8/26

Left Out: 16.387+/-0.003 χ^2/NDF:4030028.3/24

Right Out: 22.348+/-0.004 χ^2/NDF: 4098145.8/31

Left In: 15.824+/-0.003 χ^2/NDF:3654469.7/22

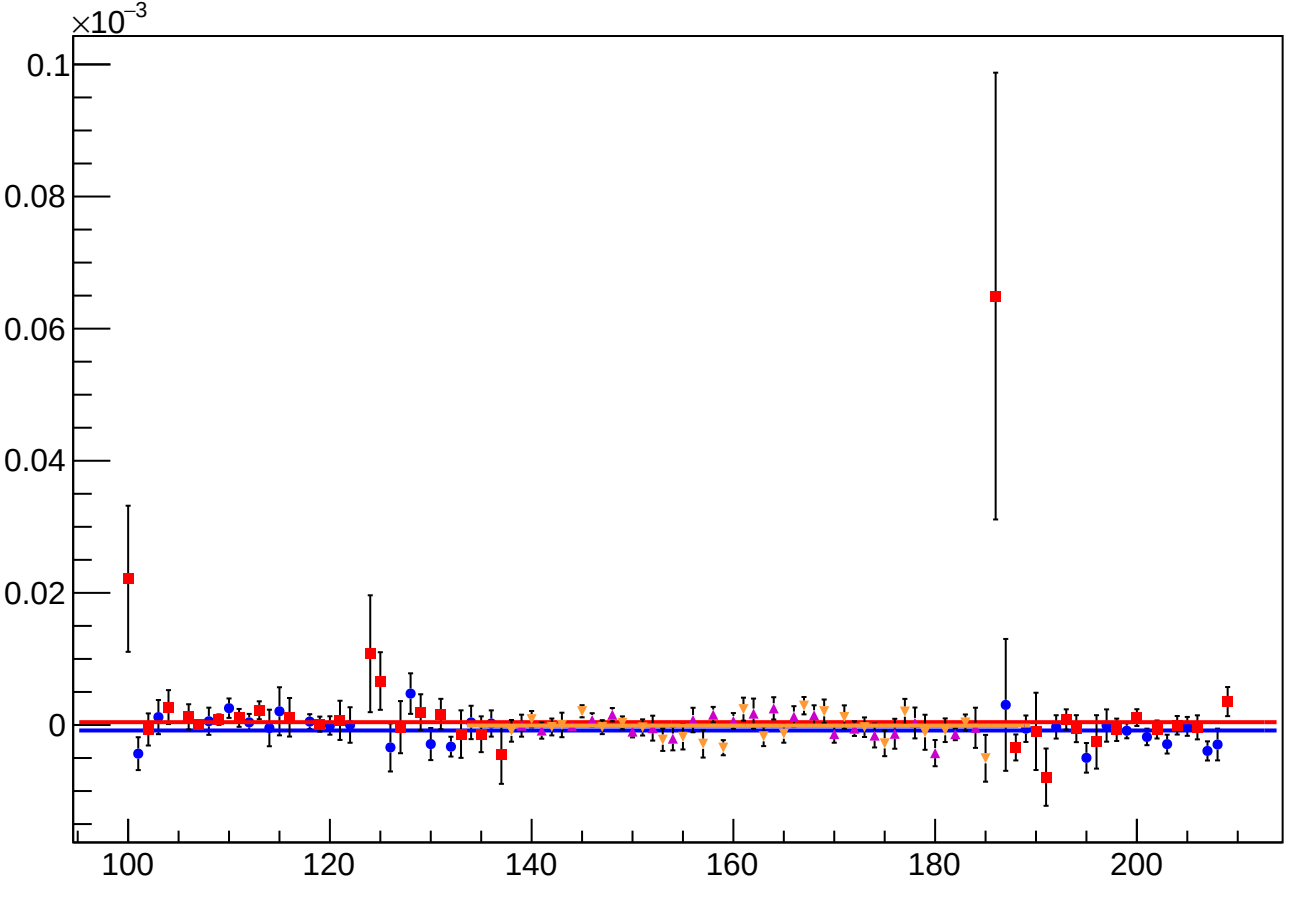
Left: 16.104+/-0.002 χ^2/NDF: 7703852.9/47

Right: 21.577+/-0.003 χ^2/NDF: 6986649.3/58

In: 17.463+/-0.002 χ^2/NDF:7497331.7/49

Out: 18.215+/-0.002 χ^2/NDF:9445926.2/56

All: 17.832+/-0.002 χ^2/NDF: 16993521.6/106



Right In: -0.000+/-0.000 χ^2/NDF: 31.4/26

Left Out: -0.000+/-0.000 χ^2/NDF:36.1/24

Right Out: 0.000+/-0.000 χ^2/NDF: 29.2/31

Left In: -0.000+/-0.000 χ^2/NDF:21.9/22

Left: -0.000+/-0.000 χ^2/NDF: 58.1/47

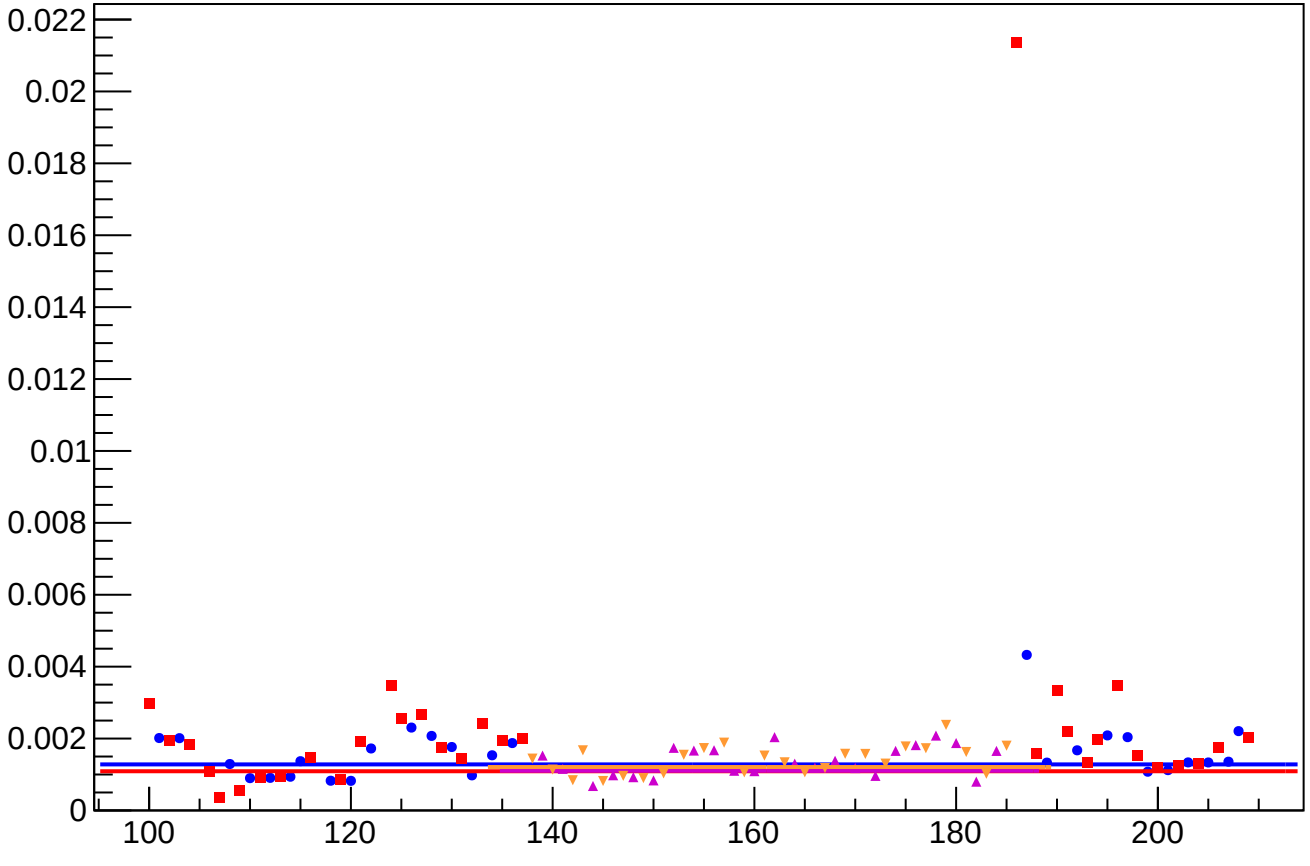
Right: -0.000+/-0.000 χ^2/NDF: 68.1/58

In: -0.000+/-0.000 χ^2/NDF:56.1/49

Out: 0.000+/-0.000 χ^2/NDF:66.9/56

All: -0.000+/-0.000 χ^2/NDF: 126.2/106

asym_sam_15_37_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.001+/-0.000 χ^2/NDF: 3058076.6/26

Left Out: 0.001+/-0.000 χ^2/NDF:2720984.6/24

Right Out: 0.001+/-0.000 χ^2/NDF: 8325480.2/31

Left In: 0.001+/-0.000 χ^2/NDF:3494983.4/22

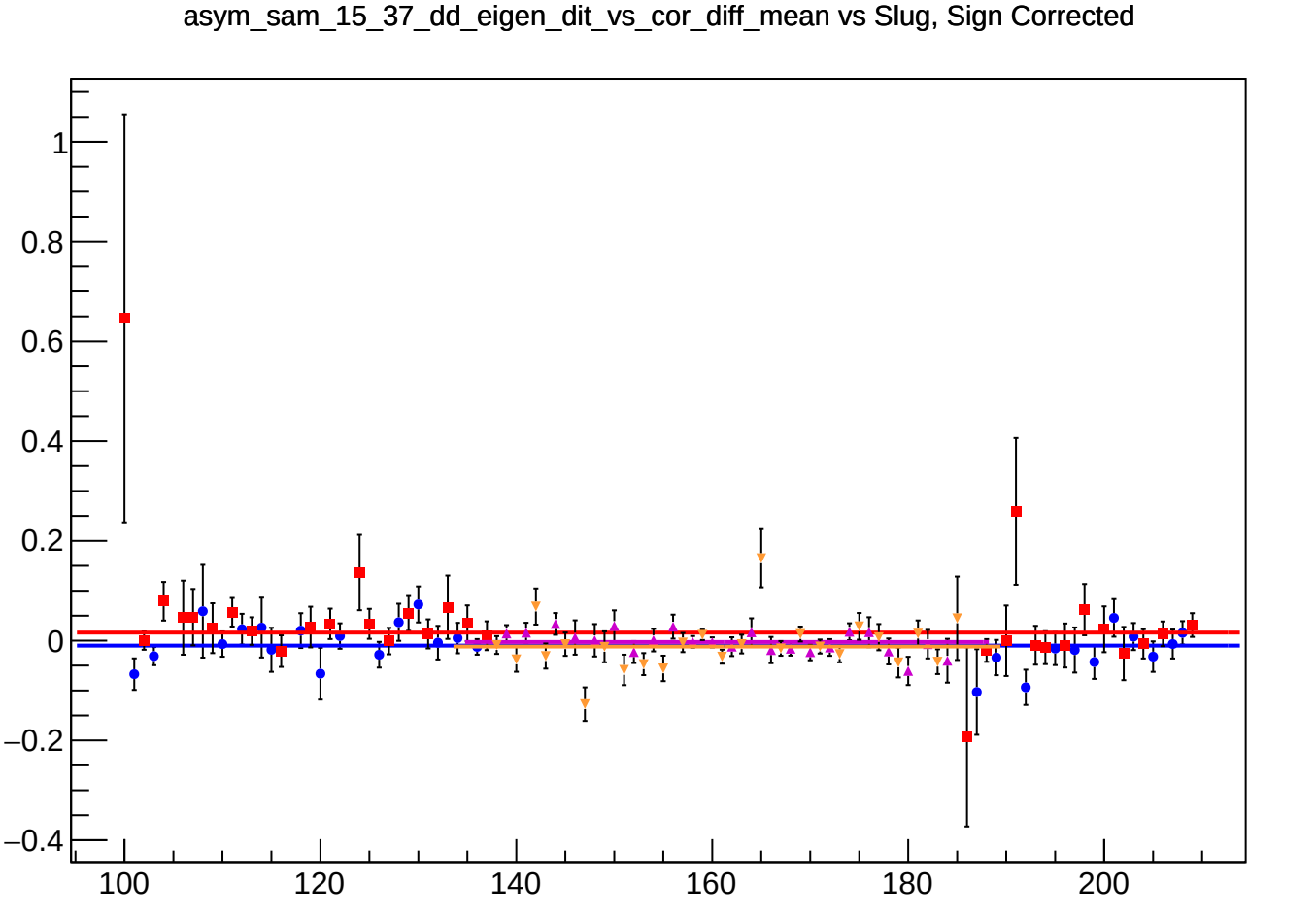
Left: 0.001+/-0.000 χ^2/NDF: 6352461.8/47

Right: 0.001+/-0.000 χ^2/NDF: 11723550.6/58

In: 0.001+/-0.000 χ^2/NDF:6878108.7/49

Out: 0.001+/-0.000 χ^2/NDF:11200580.4/56

All: 0.001+/-0.000 χ^2/NDF: 18087011.5/106



Right In: -0.010+/-0.006 χ^2/NDF: 29.4/26

Left Out: -0.012+/-0.004 χ^2/NDF:53.4/24

Right Out: 0.016+/-0.006 χ^2/NDF: 26.2/31

Left In: -0.003+/-0.004 χ^2/NDF:19.8/22

Left: -0.007+/-0.003 χ^2/NDF: 75.7/47

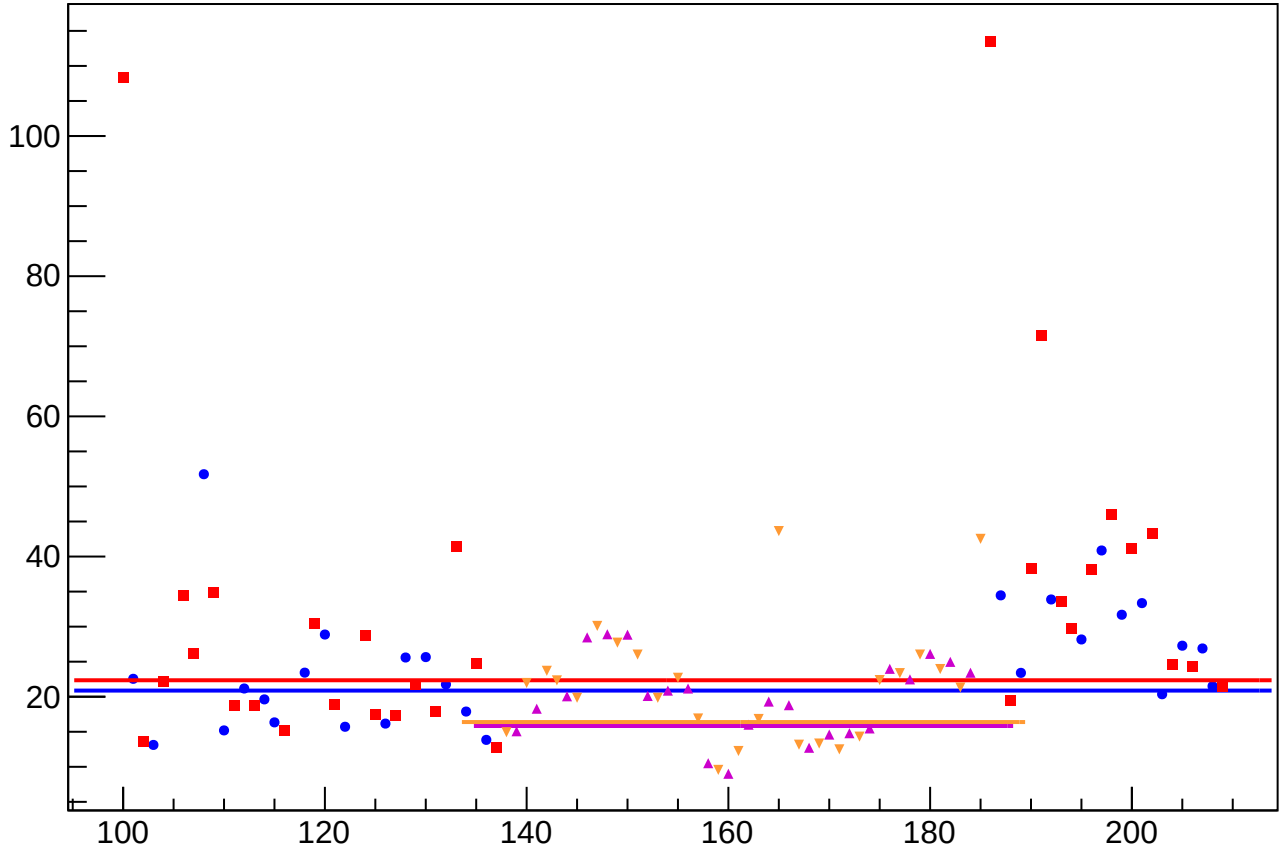
Right: 0.002+/-0.004 χ^2/NDF: 65.2/58

In: -0.005+/-0.003 χ^2/NDF:50.2/49

Out: -0.003+/-0.003 χ^2/NDF:94.2/56

All: -0.004+/-0.002 χ^2/NDF: 144.6/106

asym_sam_15_37_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 20.876+/-0.004 χ^2/NDF: 2827794.7/26

Left Out: 16.387+/-0.003 χ^2/NDF:4030277.2/24

Right Out: 22.349+/-0.004 χ^2/NDF: 4097883.7/31

Left In: 15.823+/-0.003 χ^2/NDF:3654834.3/22

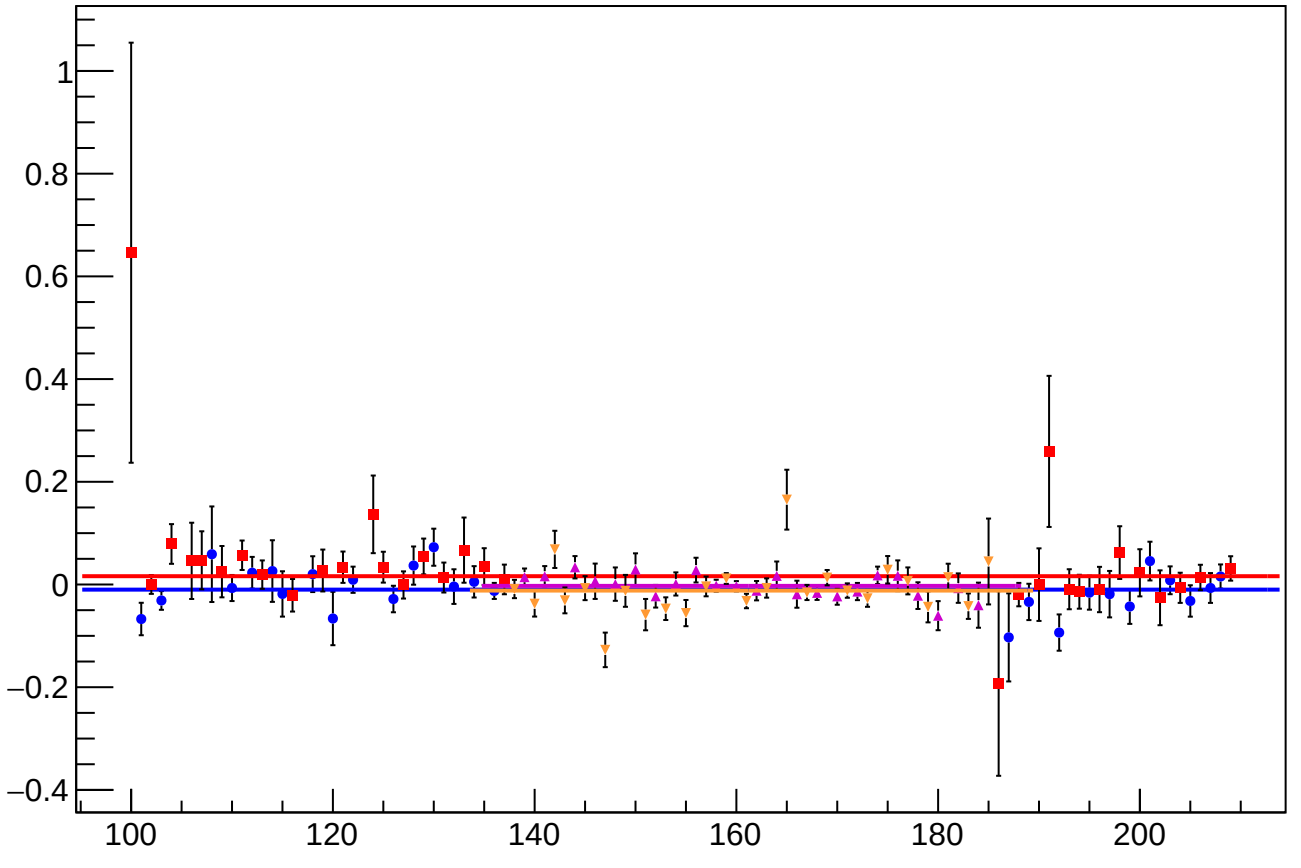
Left: 16.104+/-0.002 χ^2/NDF: 7704470.7/47

Right: 21.577+/-0.003 χ^2/NDF: 6986431.1/58

In: 17.463+/-0.002 χ^2/NDF:7497836.5/49

Out: 18.215+/-0.002 χ^2/NDF:9446174.4/56

All: 17.832+/-0.002 χ^2/NDF: 16994291.5/106



Right In: -0.010+/-0.006 χ^2/NDF: 29.4/26

Left Out: -0.012+/-0.004 χ^2/NDF:53.4/24

Right Out: 0.016+/-0.006 χ^2/NDF: 26.2/31

Left In: -0.003+/-0.004 χ^2/NDF:19.8/22

Left: -0.007+/-0.003 χ^2/NDF: 75.7/47

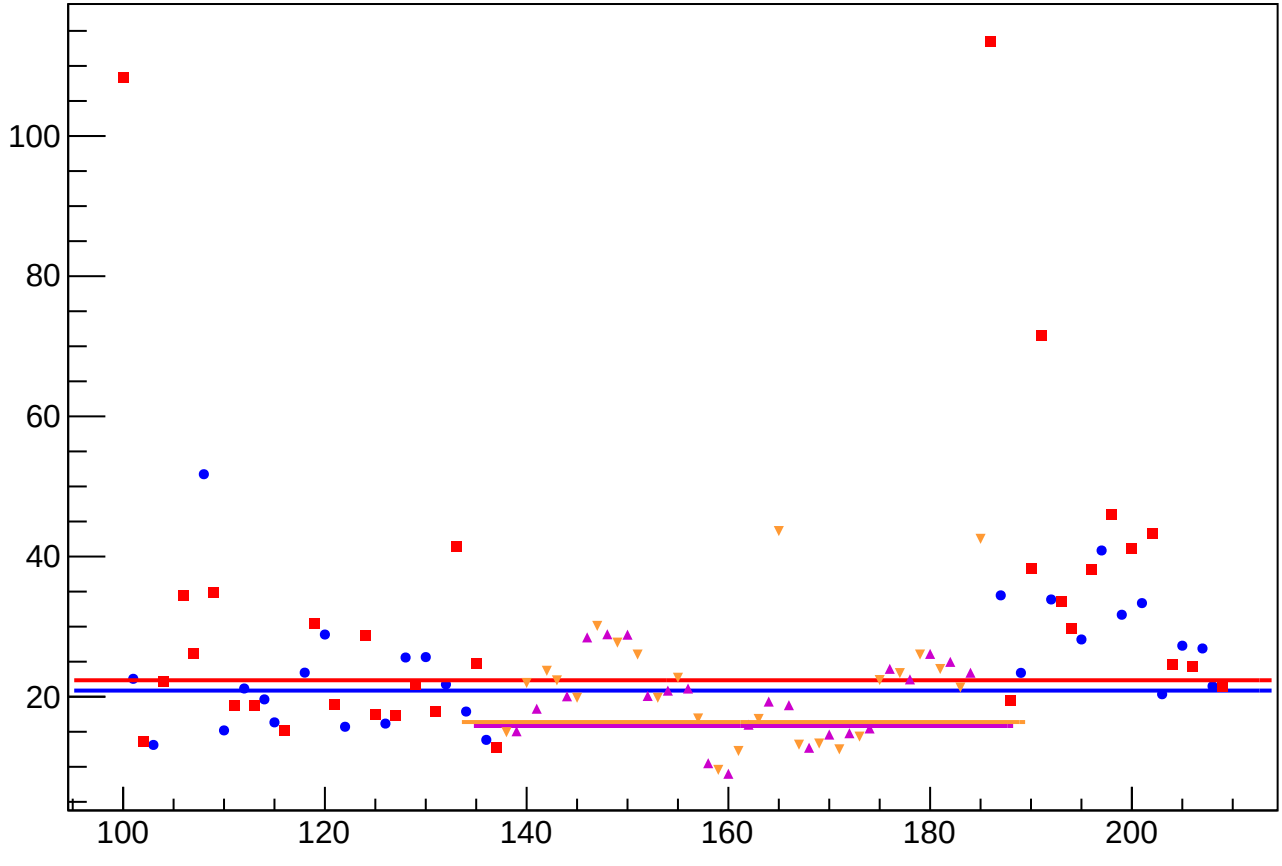
Right: 0.002+/-0.004 χ^2/NDF: 65.2/58

In: -0.005+/-0.003 χ^2/NDF:50.2/49

Out: -0.003+/-0.003 χ^2/NDF:94.2/56

All: -0.004+/-0.002 χ^2/NDF: 144.6/106

asym_sam_15_37_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 20.876+/-0.004 χ^2/NDF: 2827794.7/26

Left Out: 16.387+/-0.003 χ^2/NDF:4030277.2/24

Right Out: 22.349+/-0.004 χ^2/NDF: 4097883.7/31

Left In: 15.823+/-0.003 χ^2/NDF:3654834.3/22

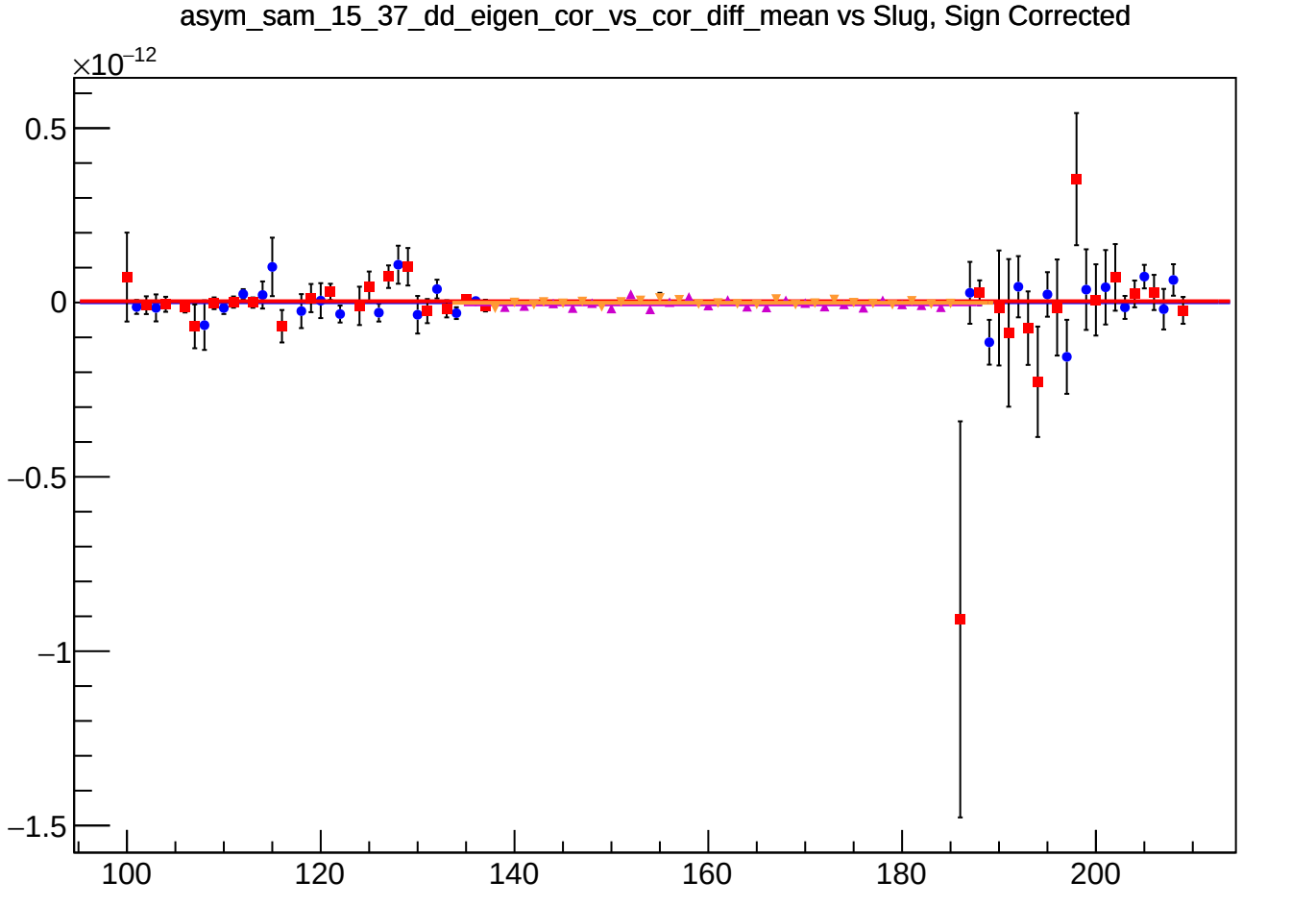
Left: 16.104+/-0.002 χ^2/NDF: 7704470.7/47

Right: 21.577+/-0.003 χ^2/NDF: 6986431.1/58

In: 17.463+/-0.002 χ^2/NDF:7497836.5/49

Out: 18.215+/-0.002 χ^2/NDF:9446174.4/56

All: 17.832+/-0.002 χ^2/NDF: 16994291.5/106



Right In: 0.000+/-0.000 χ^2/NDF: 33.5/26

Left Out: -0.000+/-0.000 χ^2/NDF:19.1/24

Right Out: 0.000+/-0.000 χ^2/NDF: 30.0/31

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

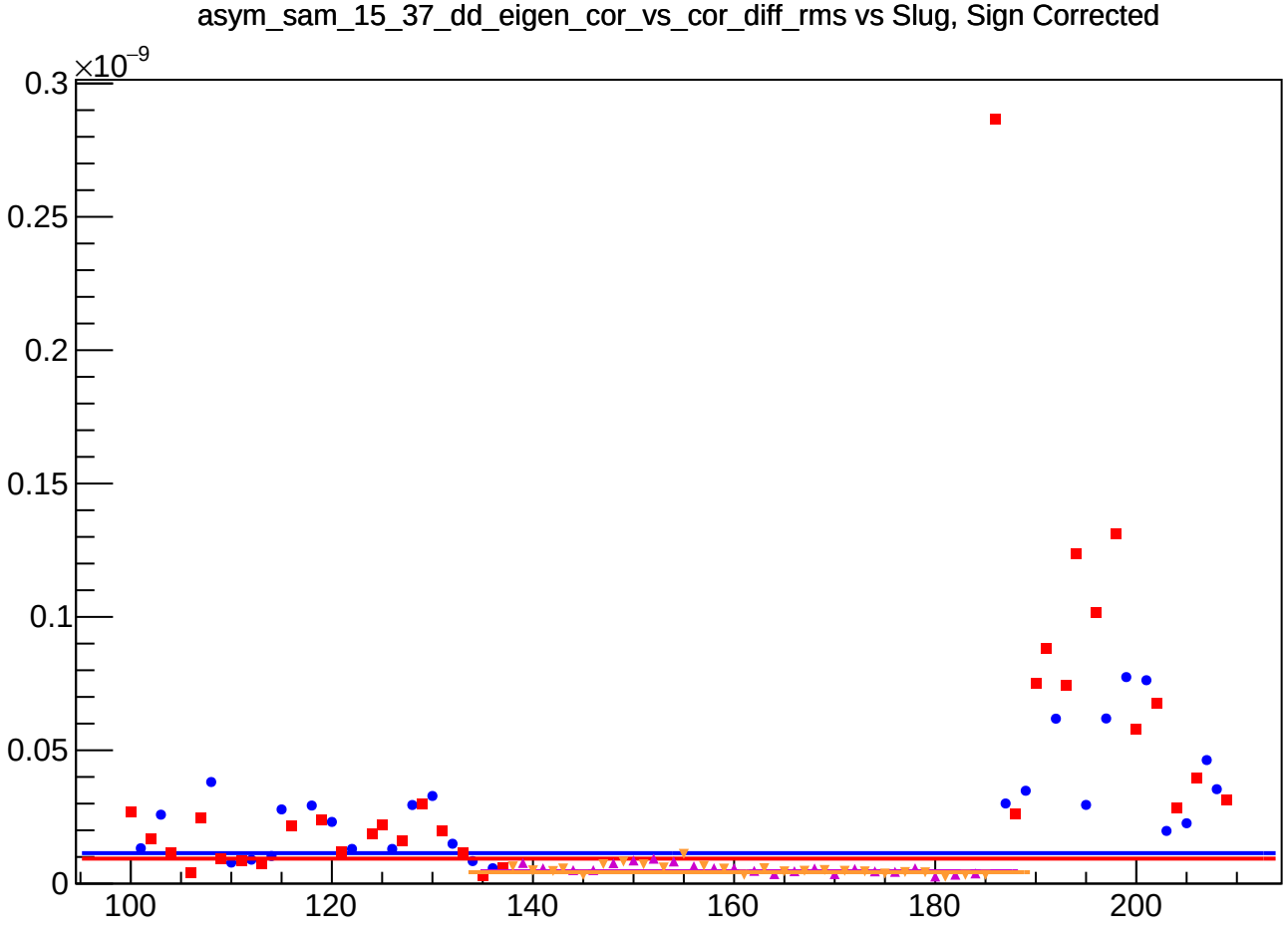
Left: -0.000+/-0.000 χ^2/NDF: 63.0/47

Right: 0.000+/-0.000 χ^2/NDF: 63.7/58

In: -0.000+/-0.000 χ^2/NDF:72.9/49

Out: -0.000+/-0.000 χ^2/NDF:50.1/56

All: -0.000+/-0.000 χ^2/NDF: 129.0/106



Right In: 0.000+/-0.000 χ^2/NDF: 7555727.8/26

Left Out: 0.000+/-0.000 χ^2/NDF:2583638.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 11471941.2/31

Left In: 0.000+/-0.000 χ^2/NDF:2508440.7/22

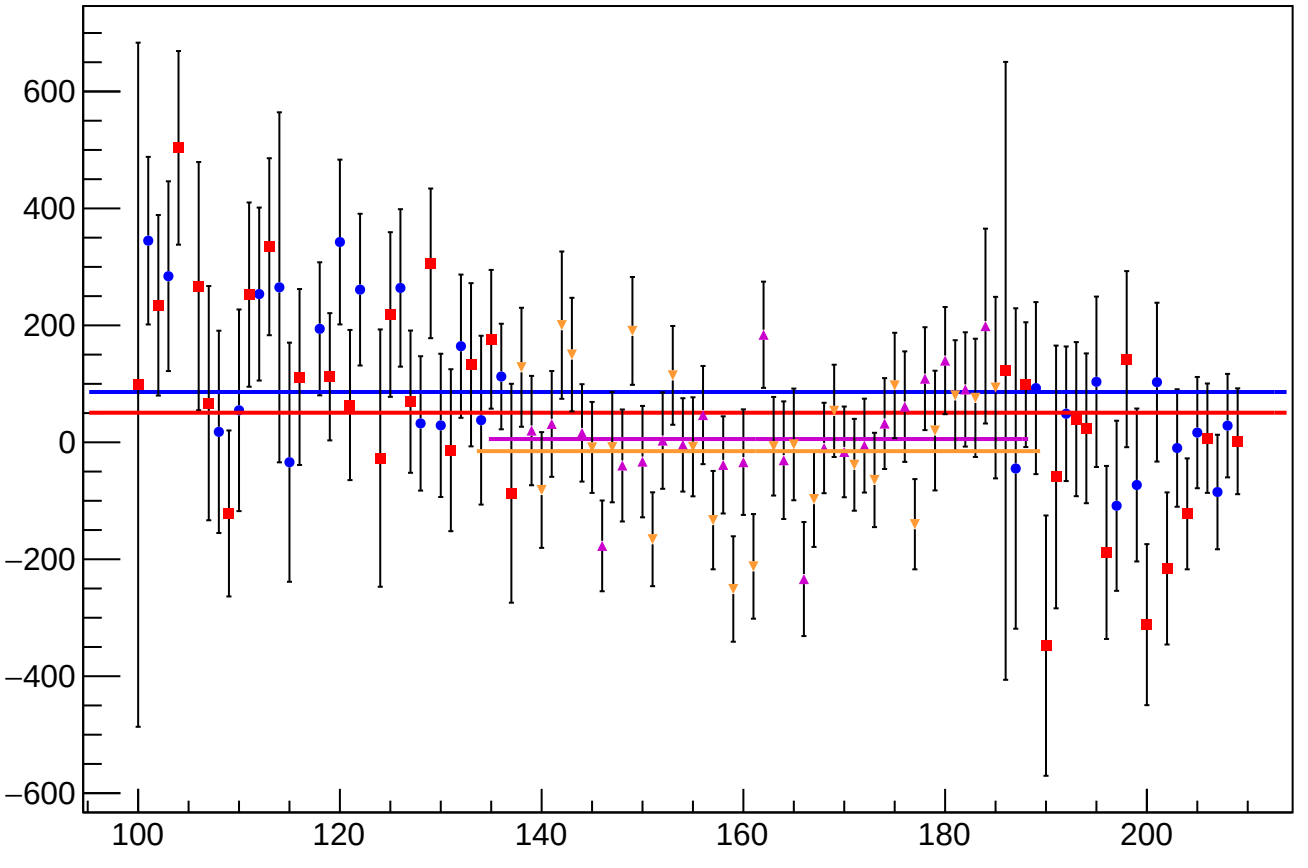
Left: 0.000+/-0.000 χ^2/NDF: 5171958.0/47

Right: 0.000+/-0.000 χ^2/NDF: 19226745.1/58

In: 0.000+/-0.000 χ^2/NDF:13677632.2/49

Out: 0.000+/-0.000 χ^2/NDF:16577757.7/56

All: 0.000+/-0.000 χ^2/NDF: 30399552.6/106



Right In: 86.061+/-24.693 χ^2/NDF: 24.3/26

Left Out: -15.100+/-17.957 χ^2/NDF:41.6/24

Right Out: 50.615+/-24.593 χ^2/NDF: 46.5/31

Left In: 5.629+/-18.382 χ^2/NDF:23.0/22

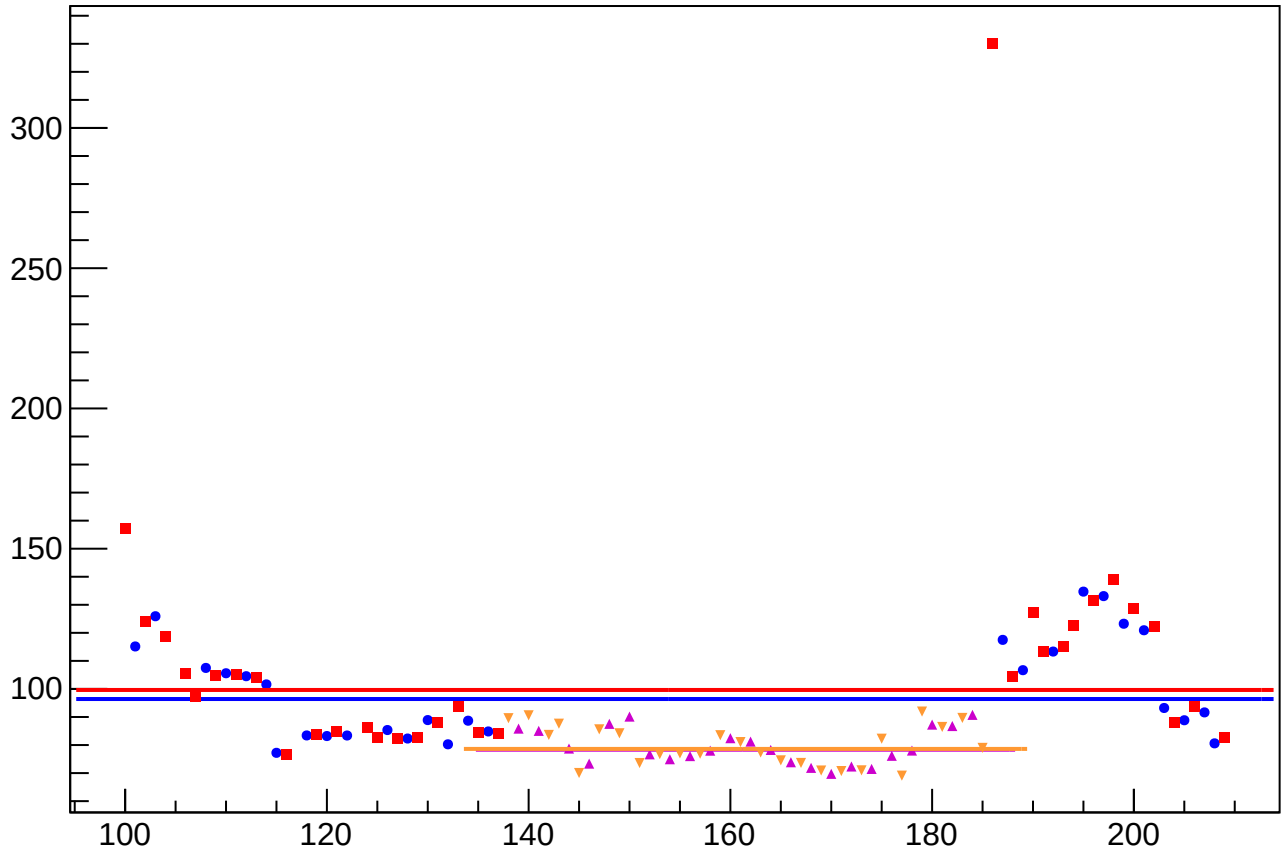
Left: -4.977+/-12.845 χ^2/NDF: 65.3/47

Right: 68.266+/-17.425 χ^2/NDF: 71.8/58

In: 34.308+/-14.745 χ^2/NDF:54.1/49

Out: 7.752+/-14.502 χ^2/NDF:92.8/56

All: 20.810+/-10.339 χ^2/NDF: 148.6/106



Right In: 96.406+/-0.017 χ^2/NDF: 889302.1/26

Left Out: 78.618+/-0.013 χ^2/NDF:307235.6/24

Right Out: 99.635+/-0.017 χ^2/NDF: 1398293.9/31

Left In: 78.334+/-0.013 χ^2/NDF:209146.2/22

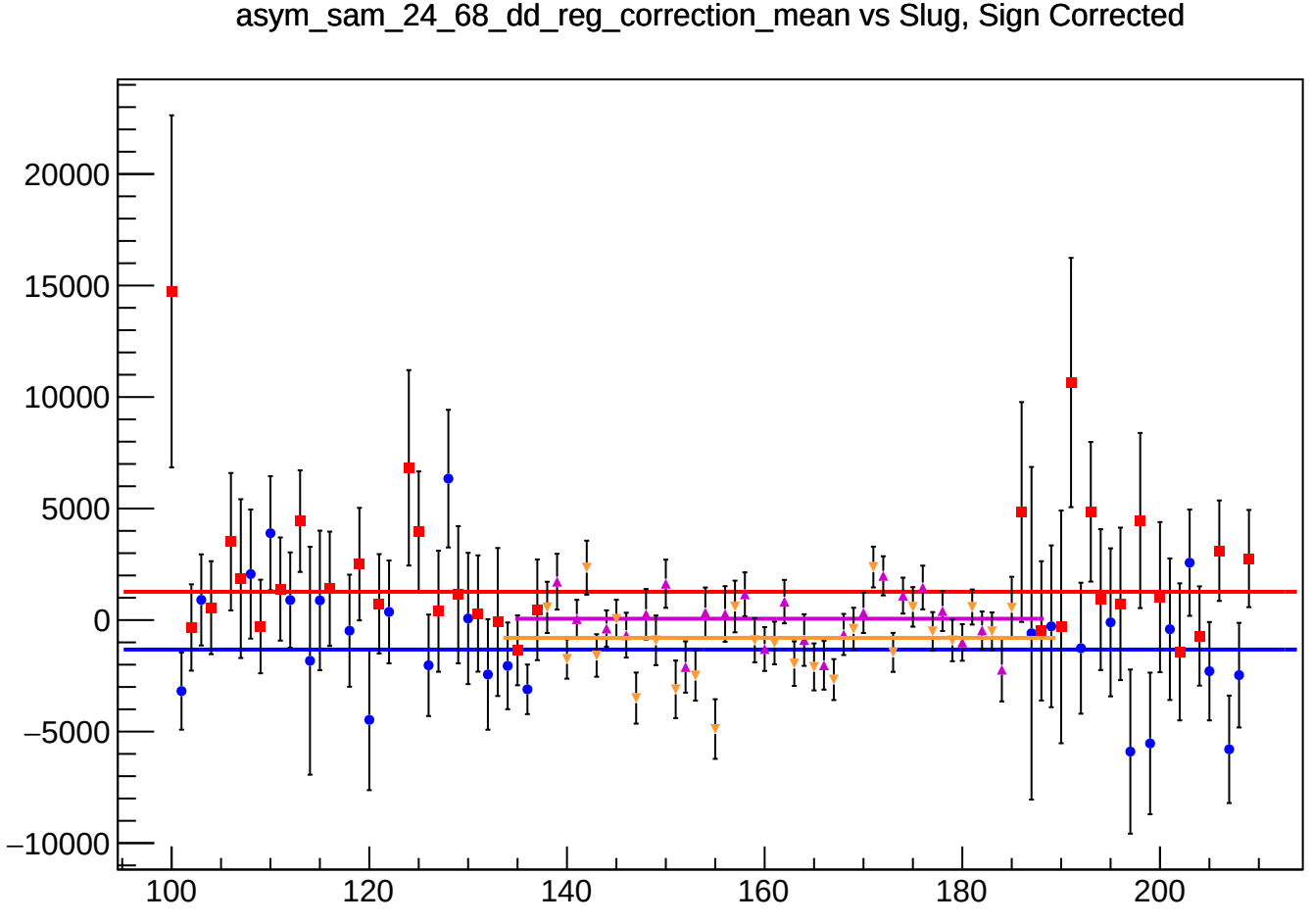
Left: 78.480+/-0.009 χ^2/NDF: 516625.8/47

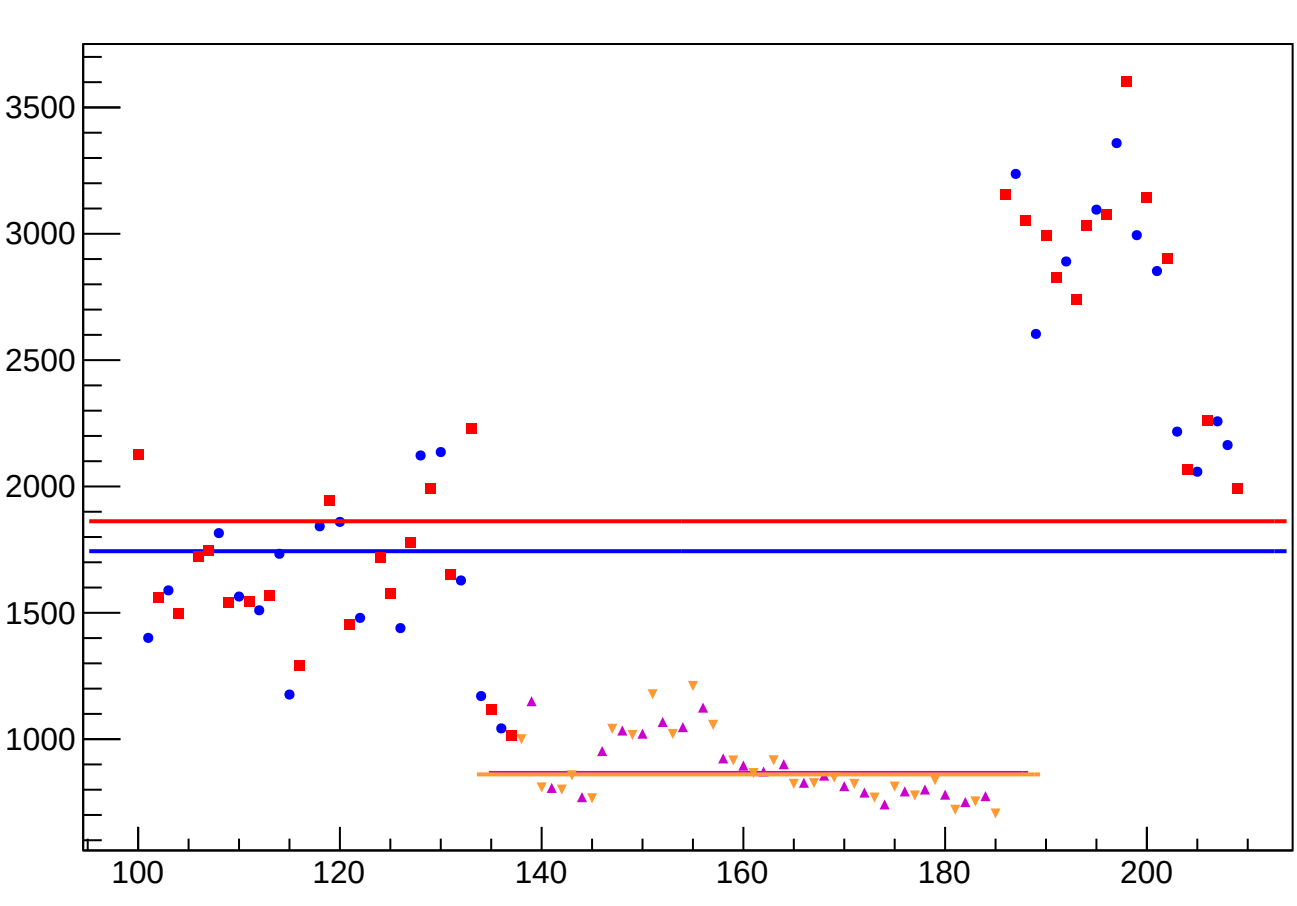
Right: 98.027+/-0.012 χ^2/NDF: 2304764.0/58

In: 84.778+/-0.010 χ^2/NDF:1787742.8/49

Out: 85.927+/-0.010 χ^2/NDF:2658247.3/56

All: 85.362+/-0.007 χ^2/NDF: 4452159.1/106


asym_sam_24_68_dd_reg_correction_mean vs Slug, Sign Corrected
20000
15000
10000
5000
0
−5000
−10000
100
120
140
160
180
200
Right In: -1321.904+/-465.626 χ²/NDF: 30.7/26
Left Out: -797.000+/-197.884 χ²/NDF:59.5/24
Right Out: 1268.699+/-473.610 χ²/NDF: 21.5/31
Left In: 59.494+/-204.437 χ²/NDF:30.5/22
Left: -382.700+/-142.185 χ²/NDF: 99.0/47
Right: -48.622+/-332.034 χ²/NDF: 67.4/58
In: -163.763+/-187.189 χ²/NDF:68.5/49
Out: -489.981+/-182.587 χ²/NDF:97.2/56
All: -330.931+/-130.705 χ²/NDF: 167.2/106



Right In: 1743.838+/-0.329 χ^2/NDF: 3342971.2/26

Left Out: 860.492+/-0.140 χ^2/NDF:699252.0/24

Right Out: 1862.403+/-0.335 χ^2/NDF: 3474232.6/31

Left In: 866.351+/-0.145 χ^2/NDF:613257.7/22

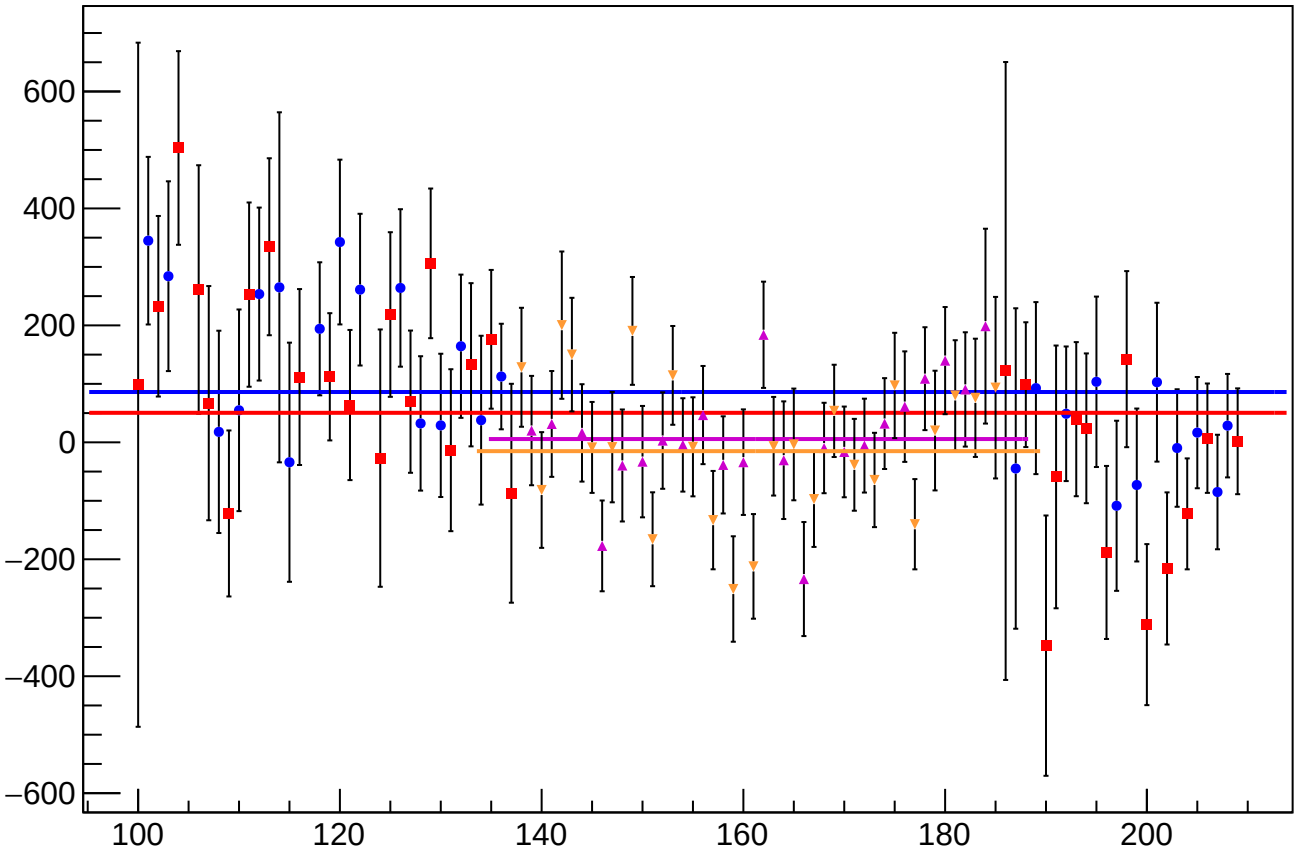
Left: 863.326+/-0.101 χ^2/NDF: 1313357.9/47

Right: 1802.112+/-0.235 χ^2/NDF: 6880941.4/58

In: 1008.168+/-0.132 χ^2/NDF:9911188.6/49

Out: 1009.404+/-0.129 χ^2/NDF:11793679.8/56

All: 1008.801+/-0.092 χ^2/NDF: 21704913.1/1



Right In: 86.054+/-24.693 χ^2/NDF: 24.3/26

Left Out: -15.098+/-17.957 χ^2/NDF:41.6/24

Right Out: 50.479+/-24.594 χ^2/NDF: 46.4/31

Left In: 5.626+/-18.382 χ^2/NDF:23.0/22

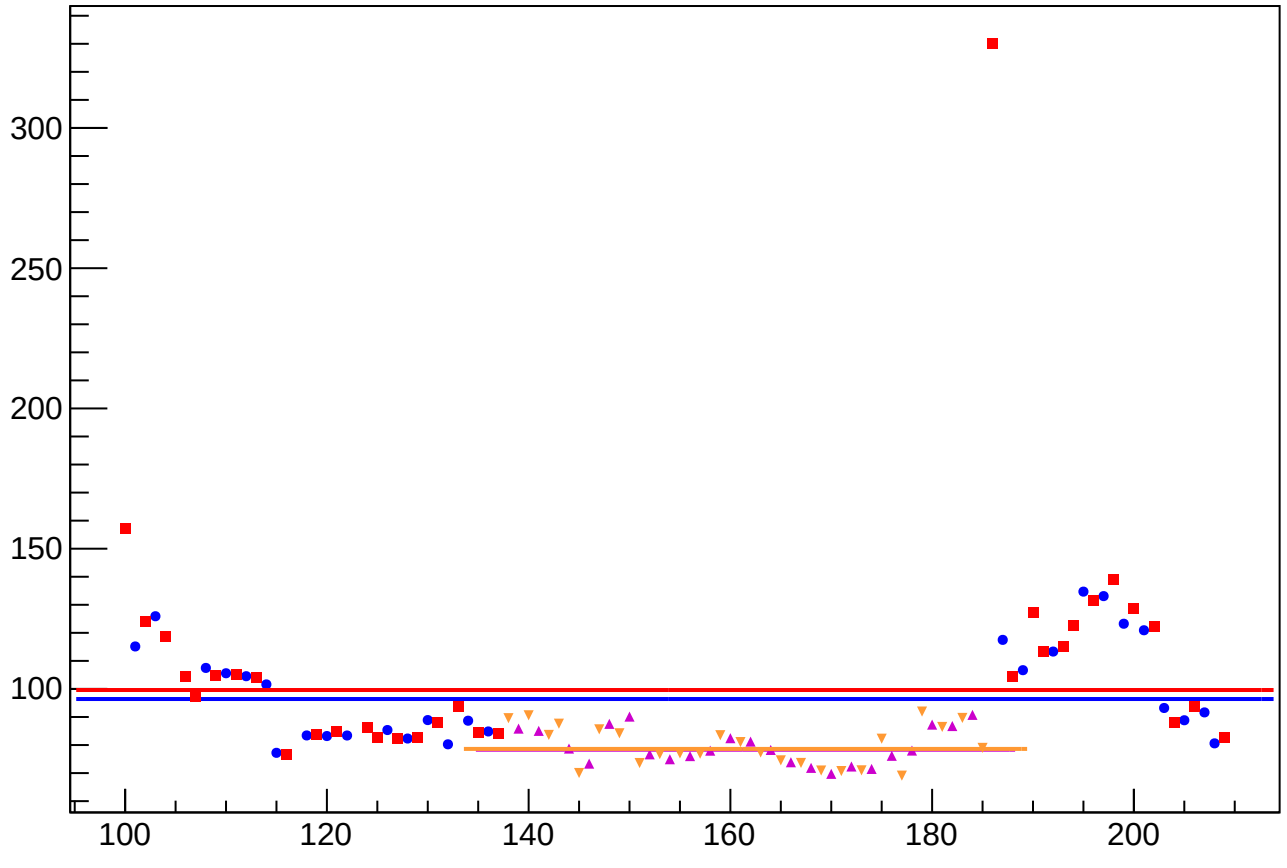
Left: -4.978+/-12.845 χ^2/NDF: 65.3/47

Right: 68.195+/-17.426 χ^2/NDF: 71.7/58

In: 34.303+/-14.745 χ^2/NDF:54.1/49

Out: 7.705+/-14.503 χ^2/NDF:92.7/56

All: 20.784+/-10.339 χ^2/NDF: 148.5/106



Right In: 96.406+/-0.017 χ^2/NDF: 889303.7/26

Left Out: 78.618+/-0.013 χ^2/NDF:307235.6/24

Right Out: 99.619+/-0.017 χ^2/NDF: 1397865.2/31

Left In: 78.334+/-0.013 χ^2/NDF:209146.2/22

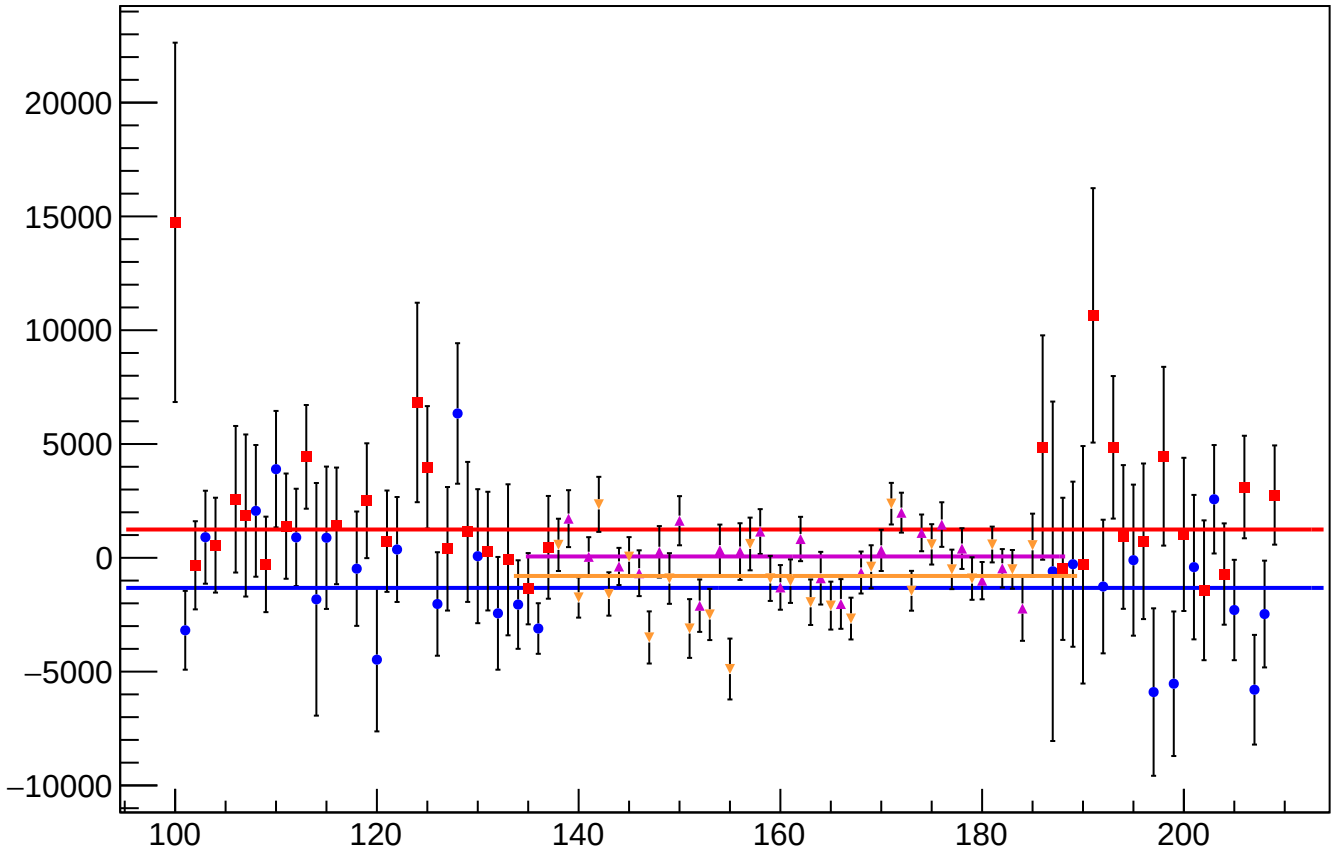
Left: 78.480+/-0.009 χ^2/NDF: 516625.8/47

Right: 98.019+/-0.012 χ^2/NDF: 2304160.3/58

In: 84.778+/-0.010 χ^2/NDF:1787744.8/49

Out: 85.921+/-0.010 χ^2/NDF:2656273.8/56

All: 85.359+/-0.007 χ^2/NDF: 4450122.2/106



Right In: -1321.890+/-465.627 χ^2/NDF: 30.7/26

Left Out: -797.000+/-197.884 χ^2/NDF:59.5/24

Right Out: 1244.130+/-474.093 χ^2/NDF: 21.1/31

Left In: 59.494+/-204.437 χ^2/NDF:30.5/22

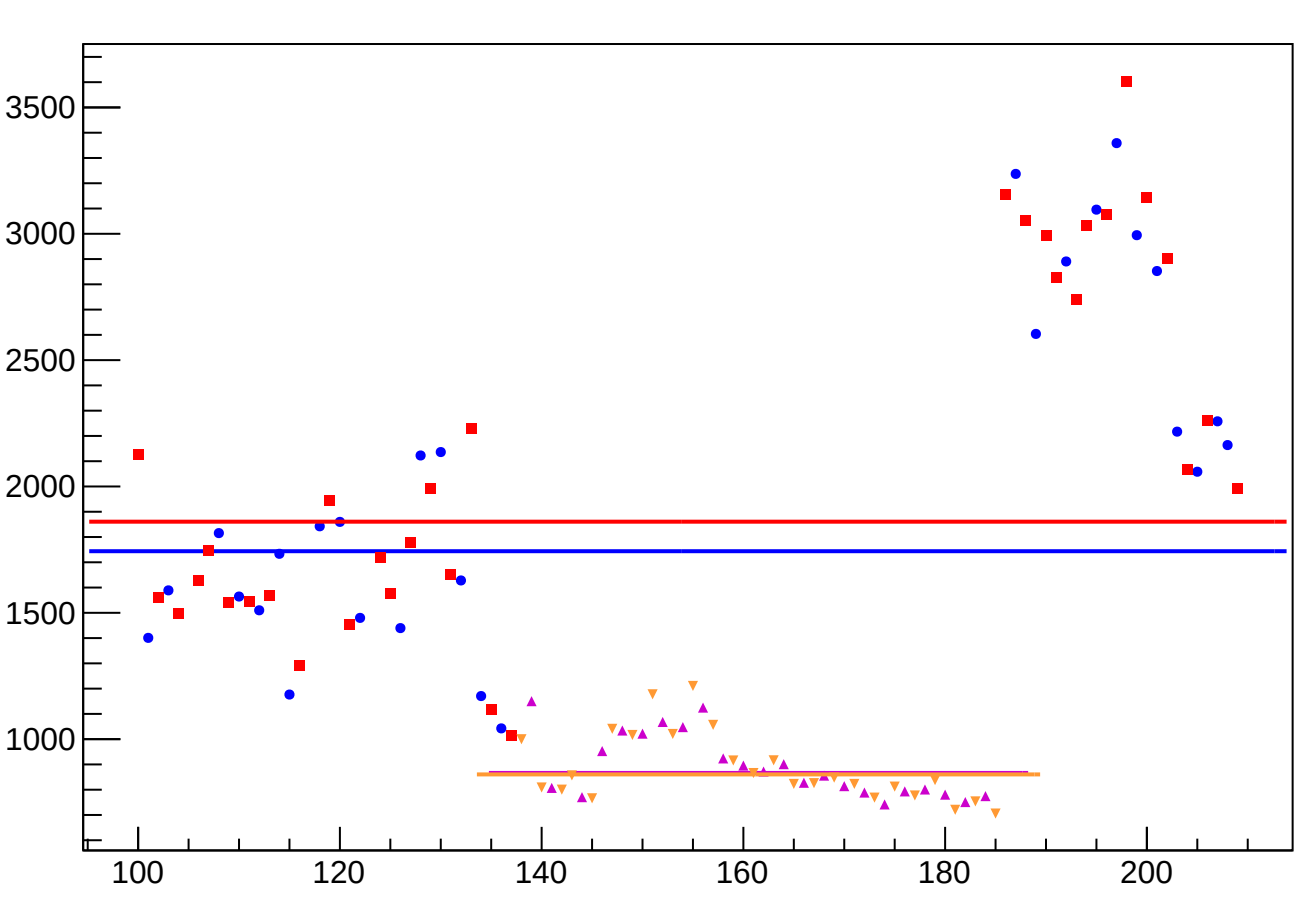
Left: -382.700+/-142.185 χ^2/NDF: 99.0/47

Right: -61.996+/-332.201 χ^2/NDF: 66.7/58

In: -163.760+/-187.189 χ^2/NDF:68.5/49

Out: -494.158+/-182.615 χ^2/NDF:96.4/56

All: -333.045+/-130.715 χ^2/NDF: 166.5/106



Right In: 1743.841+/-0.329 χ^2/NDF: 3342962.0/26

Left Out: 860.492+/-0.140 χ^2/NDF:699250.7/24

Right Out: 1860.697+/-0.335 χ^2/NDF: 3480395.0/31

Left In: 866.352+/-0.145 χ^2/NDF:613256.3/22

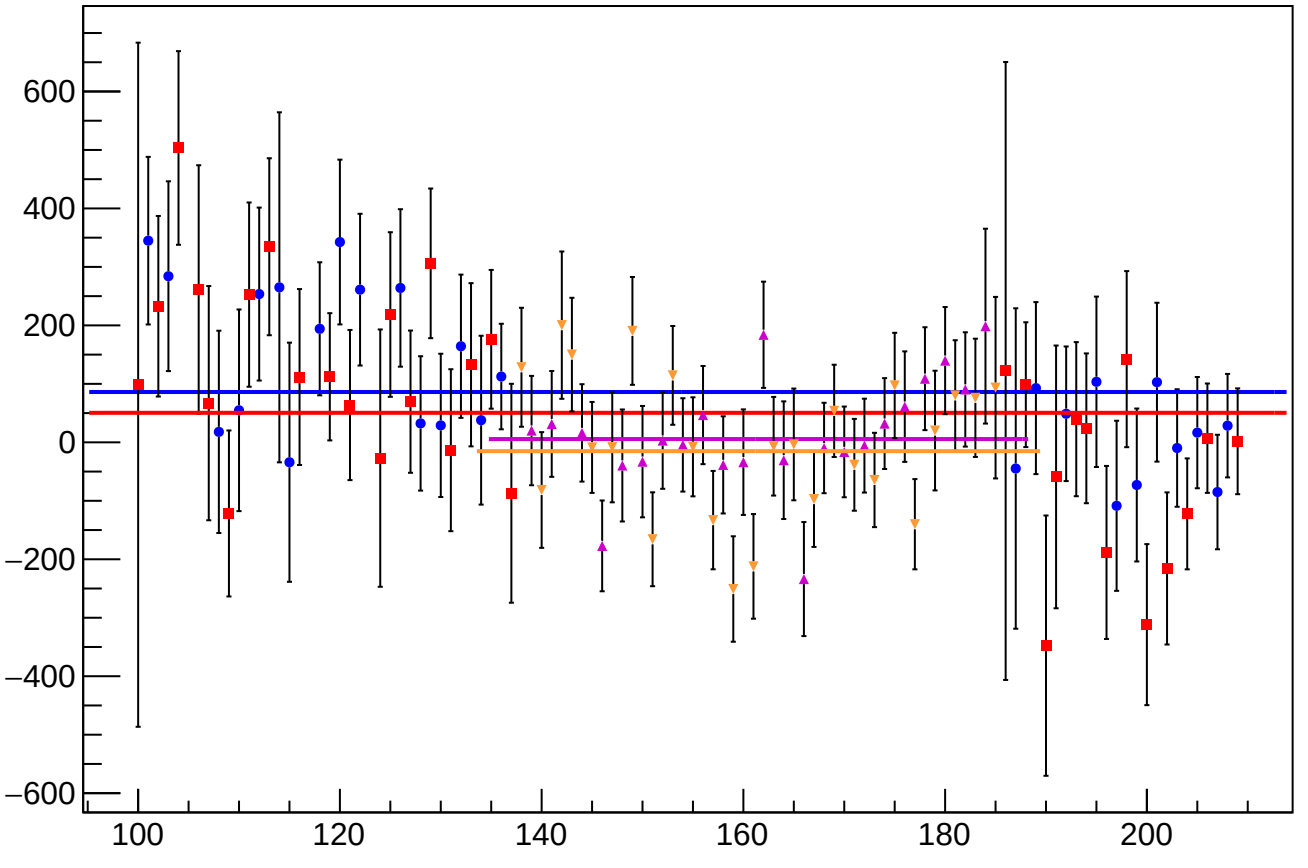
Left: 863.327+/-0.101 χ^2/NDF: 1313355.3/47

Right: 1801.216+/-0.235 χ^2/NDF: 6885204.9/58

In: 1008.168+/-0.132 χ^2/NDF:9911203.4/49

Out: 1008.892+/-0.129 χ^2/NDF:11760735.4/56

All: 1008.539+/-0.092 χ^2/NDF: 21671954.1/1



Right In: 86.054+/-24.693 χ^2/NDF: 24.3/26

Left Out: -15.098+/-17.957 χ^2/NDF:41.6/24

Right Out: 50.479+/-24.594 χ^2/NDF: 46.4/31

Left In: 5.626+/-18.382 χ^2/NDF:23.0/22

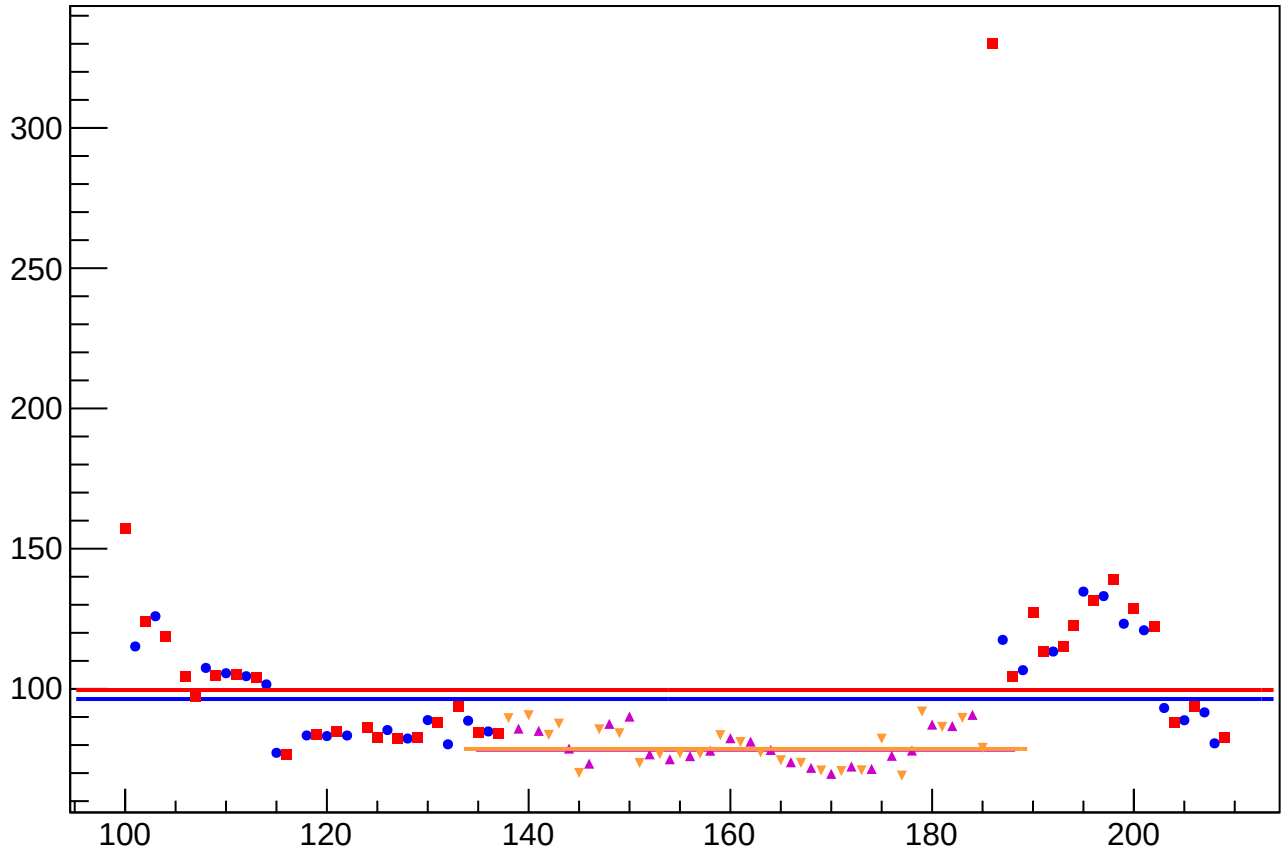
Left: -4.978+/-12.845 χ^2/NDF: 65.3/47

Right: 68.195+/-17.426 χ^2/NDF: 71.7/58

In: 34.303+/-14.745 χ^2/NDF:54.1/49

Out: 7.705+/-14.503 χ^2/NDF:92.7/56

All: 20.784+/-10.339 χ^2/NDF: 148.5/106



Right In: 96.406+/-0.017 χ^2/NDF: 889303.7/26

Left Out: 78.618+/-0.013 χ^2/NDF:307235.6/24

Right Out: 99.619+/-0.017 χ^2/NDF: 1397865.2/31

Left In: 78.334+/-0.013 χ^2/NDF:209146.2/22

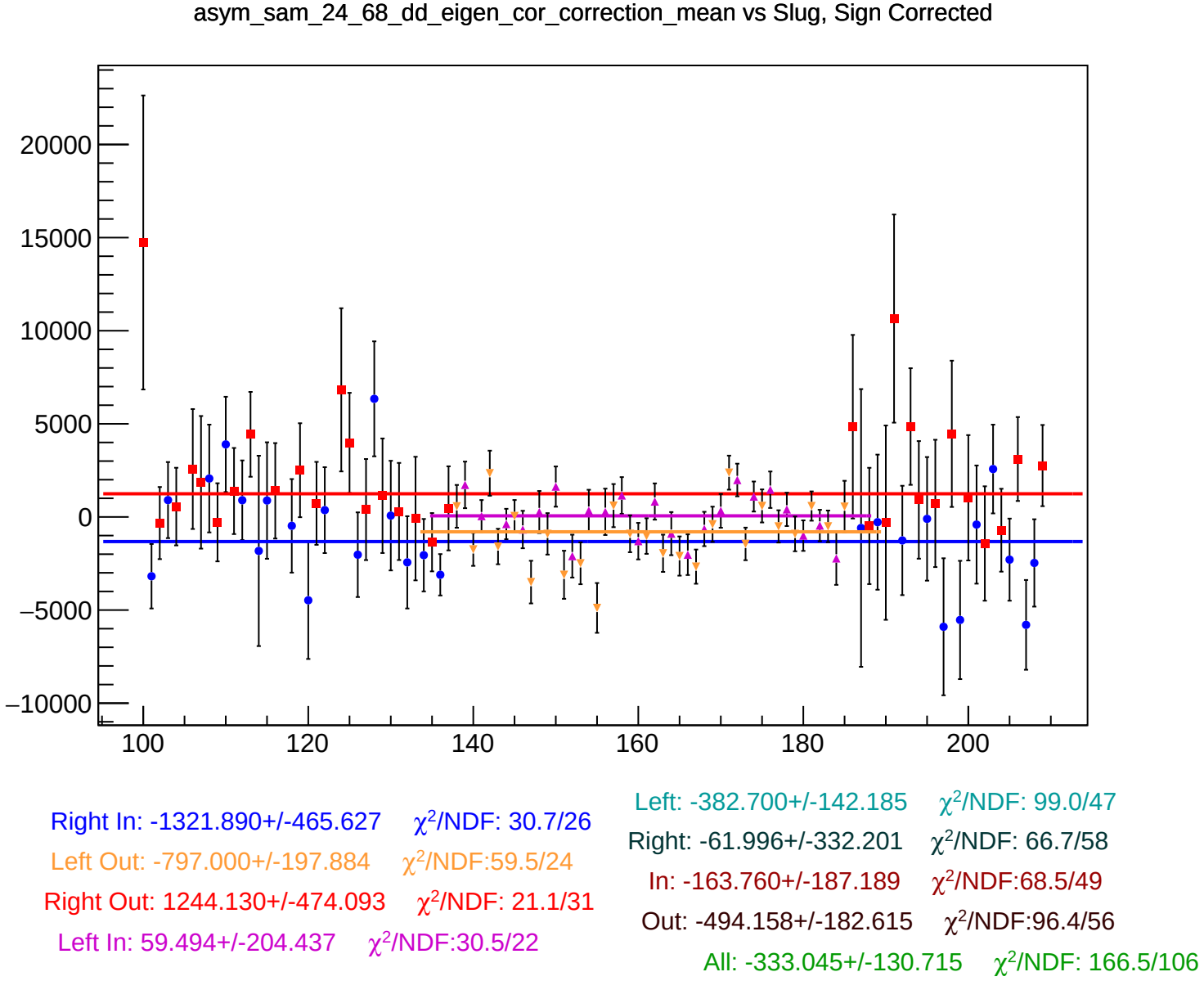
Left: 78.480+/-0.009 χ^2/NDF: 516625.8/47

Right: 98.019+/-0.012 χ^2/NDF: 2304160.3/58

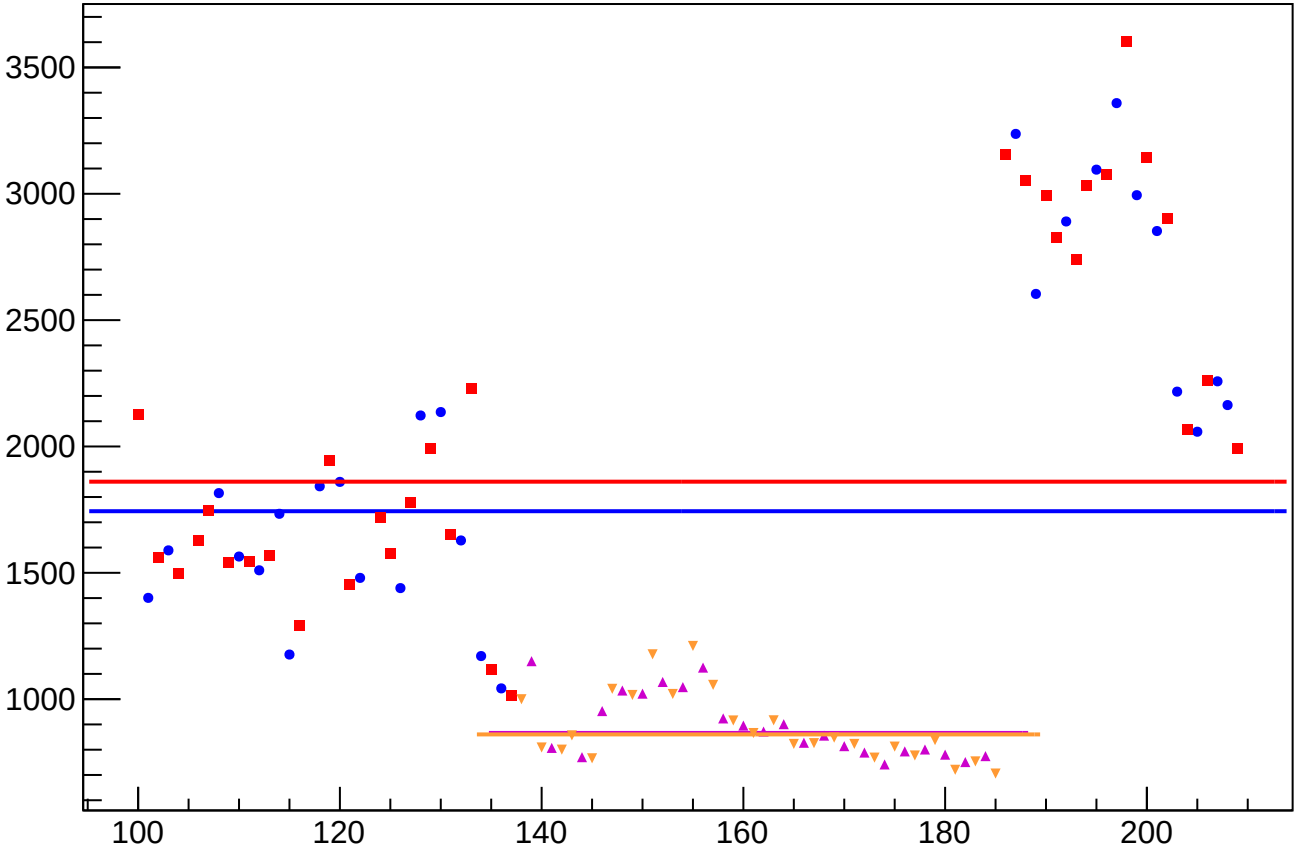
In: 84.778+/-0.010 χ^2/NDF:1787744.8/49

Out: 85.921+/-0.010 χ^2/NDF:2656273.8/56

All: 85.359+/-0.007 χ^2/NDF: 4450122.2/106


asym_sam_24_68_dd_eigen_cor_correction_mean vs Slug, Sign Corrected
20000
15000
10000
5000
0
−5000
−10000
100
120
140
160
180
200
Right In: -1321.890+/-465.627 χ²/NDF: 30.7/26
Left Out: -797.000+/-197.884 χ²/NDF:59.5/24
Right Out: 1244.130+/-474.093 χ²/NDF: 21.1/31
Left In: 59.494+/-204.437 χ²/NDF:30.5/22
Left: -382.700+/-142.185 χ²/NDF: 99.0/47
Right: -61.996+/-332.201 χ²/NDF: 66.7/58
In: -163.760+/-187.189 χ²/NDF:68.5/49
Out: -494.158+/-182.615 χ²/NDF:96.4/56
All: -333.045+/-130.715 χ²/NDF: 166.5/106

asym_sam_24_68_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 1743.841+/-0.329 χ^2/NDF: 3342962.0/26

Left Out: 860.492+/-0.140 χ^2/NDF:699250.7/24

Right Out: 1860.697+/-0.335 χ^2/NDF: 3480395.0/31

Left In: 866.352+/-0.145 χ^2/NDF:613256.3/22

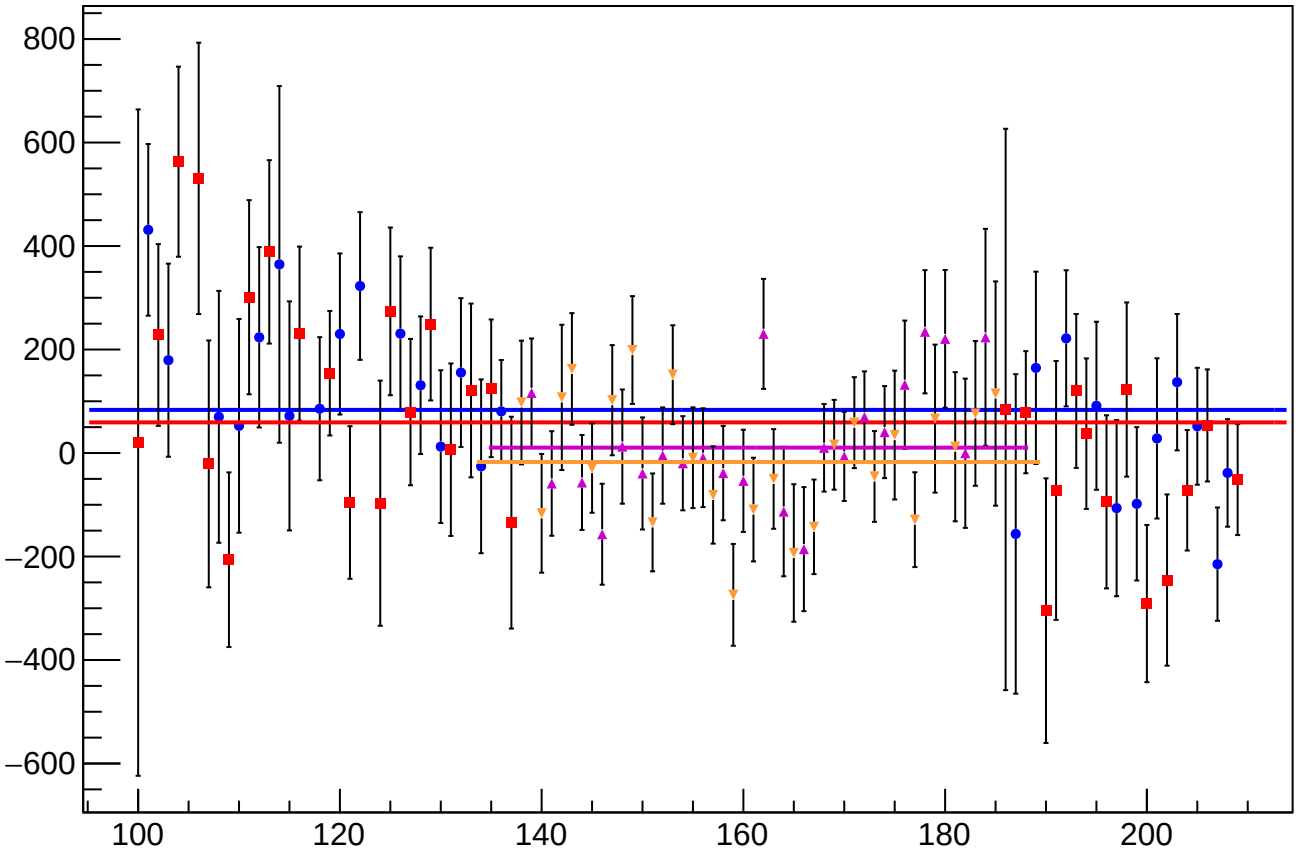
Left: 863.327+/-0.101 χ^2/NDF: 1313355.3/47

Right: 1801.216+/-0.235 χ^2/NDF: 6885204.9/58

In: 1008.168+/-0.132 χ^2/NDF:9911203.4/49

Out: 1008.892+/-0.129 χ^2/NDF:11760735.4/56

All: 1008.539+/-0.092 χ^2/NDF: 21671954.1/1



Right In: 83.341+/-28.729 χ^2/NDF: 25.5/26

Left Out: -17.356+/-20.987 χ^2/NDF:31.2/24

Right Out: 59.210+/-28.373 χ^2/NDF: 41.9/31

Left In: 10.412+/-21.503 χ^2/NDF:22.6/22

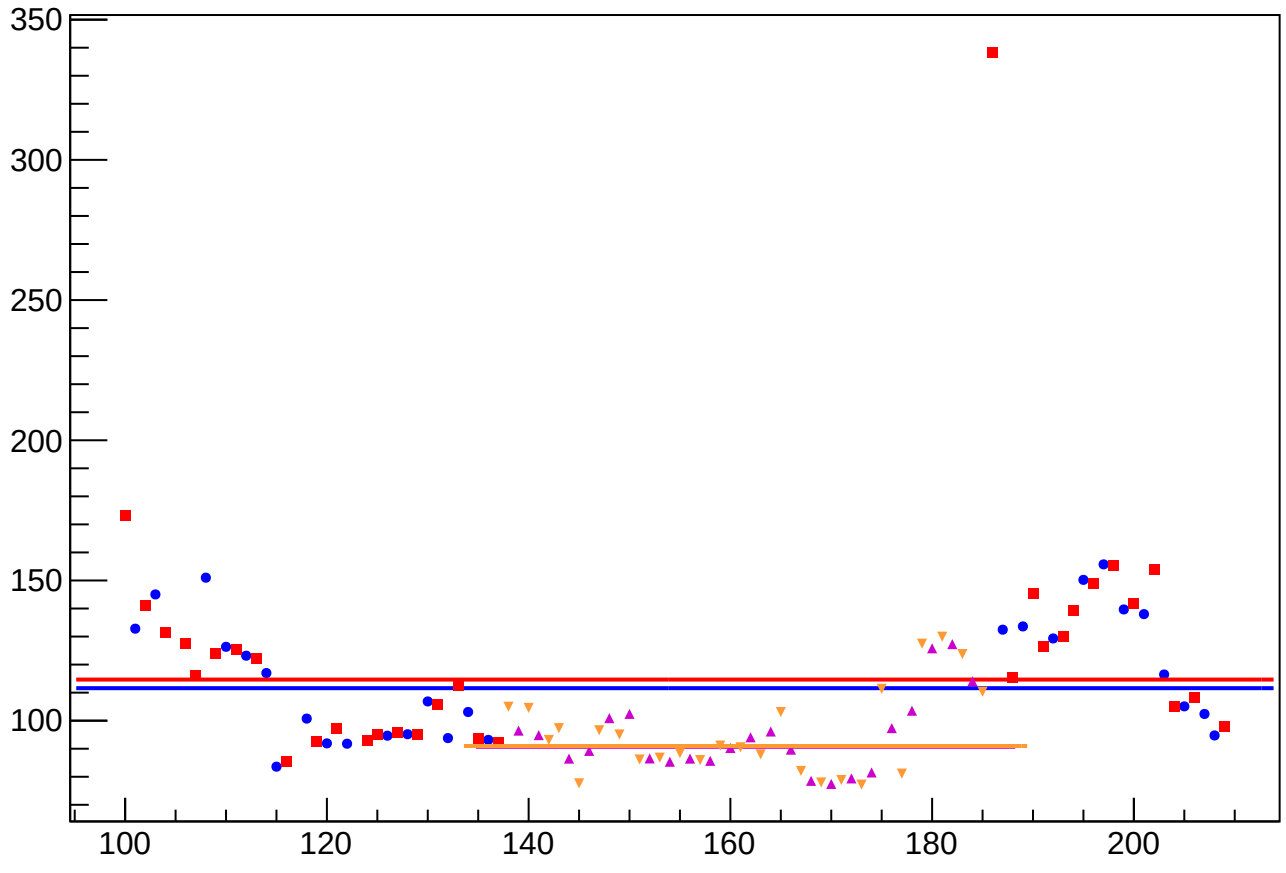
Left: -3.810+/-15.019 χ^2/NDF: 54.7/47

Right: 71.125+/-20.187 χ^2/NDF: 67.8/58

In: 36.599+/-17.215 χ^2/NDF:52.3/49

Out: 9.721+/-16.873 χ^2/NDF:77.9/56

All: 22.890+/-12.050 χ^2/NDF: 131.4/106



Right In: 111.592+/-0.020 χ^2/NDF: 974244.0/26

Left Out: 90.967+/-0.015 χ^2/NDF:784523.6/24

Right Out: 114.662+/-0.020 χ^2/NDF: 1349104.5/31

Left In: 90.690+/-0.015 χ^2/NDF:545969.6/22

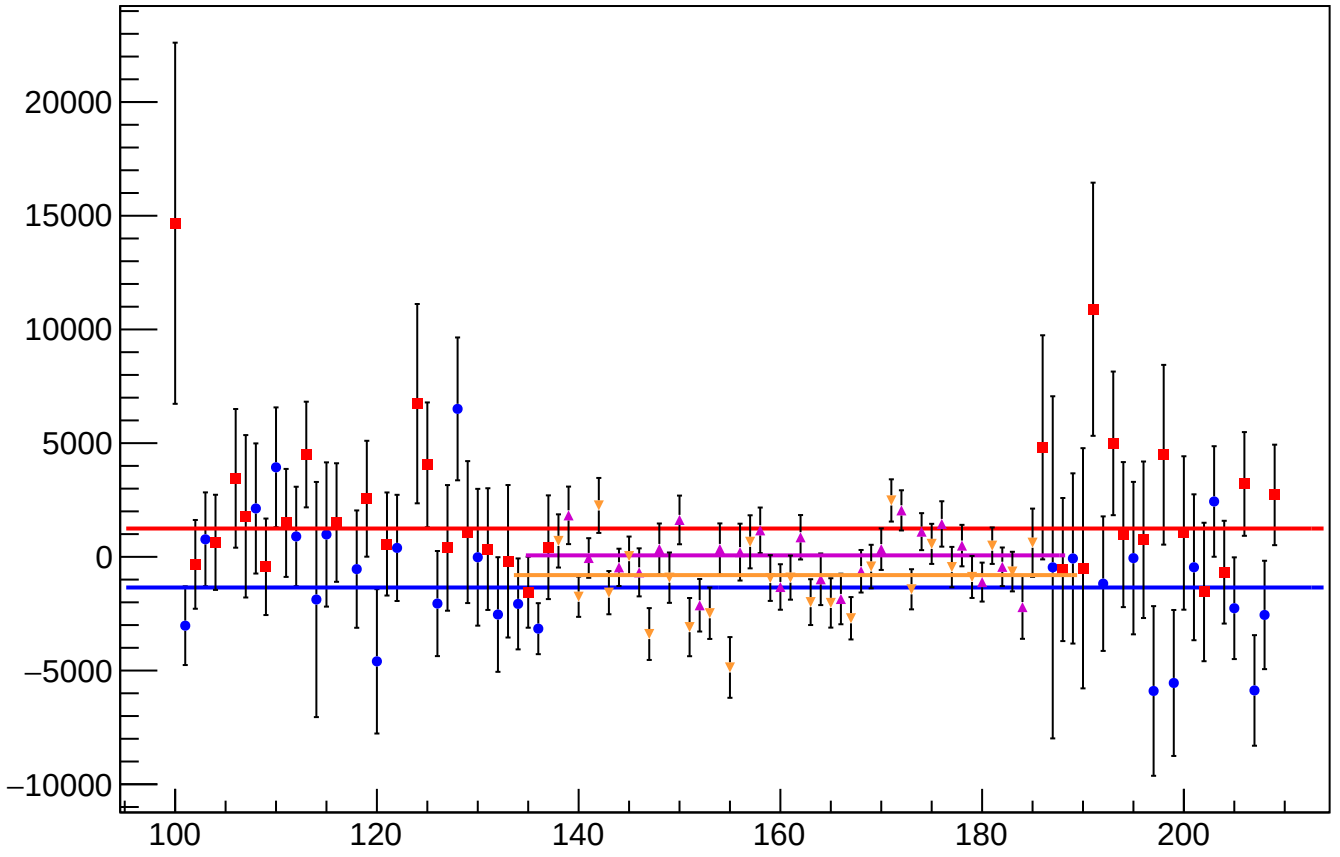
Left: 90.832+/-0.011 χ^2/NDF: 1330663.0/47

Right: 113.146+/-0.014 χ^2/NDF: 2334912.3/58

In: 98.195+/-0.012 χ^2/NDF:2198741.9/49

Out: 99.346+/-0.012 χ^2/NDF:3035255.6/56

All: 98.782+/-0.009 χ^2/NDF: 5238559.0/106



Right In: -1347.666+/-472.003 χ^2/NDF: 30.2/26

Left Out: -802.532+/-199.851 χ^2/NDF:58.3/24

Right Out: 1245.866+/-478.387 χ^2/NDF: 22.3/31

Left In: 65.218+/-206.677 χ^2/NDF:30.7/22

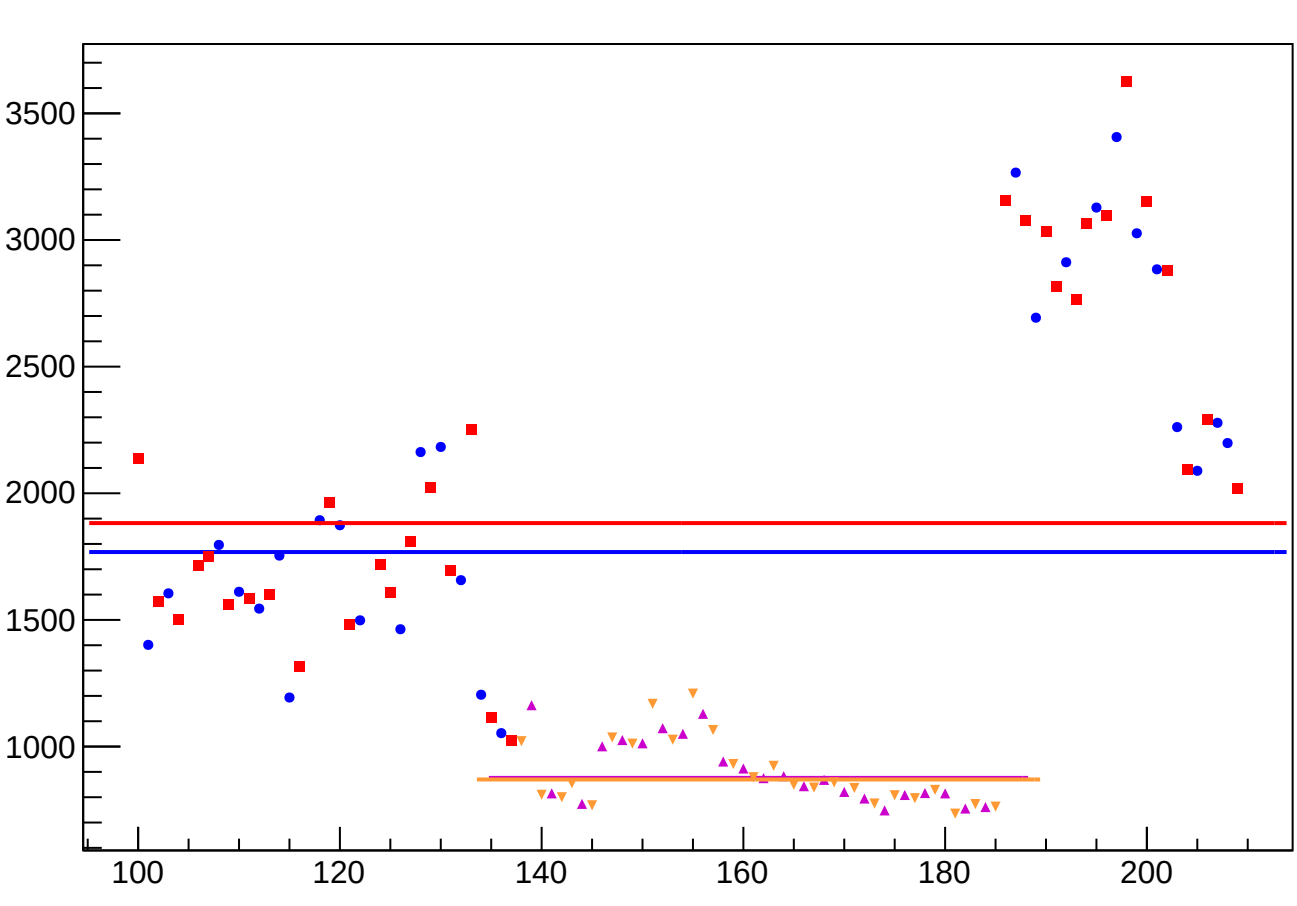
Left: -383.224+/-143.669 χ^2/NDF: 98.1/47

Right: -68.319+/-335.991 χ^2/NDF: 67.4/58

In: -162.094+/-189.323 χ^2/NDF:68.4/49

Out: -498.158+/-184.406 χ^2/NDF:96.2/56

All: -334.547+/-132.099 χ^2/NDF: 166.2/106



Right In: 1768.011+/-0.334 χ^2/NDF: 3351963.4/26

Left Out: 870.009+/-0.141 χ^2/NDF:647274.1/24

Right Out: 1882.305+/-0.338 χ^2/NDF: 3450092.4/31

Left In: 876.273+/-0.146 χ^2/NDF:597200.7/22

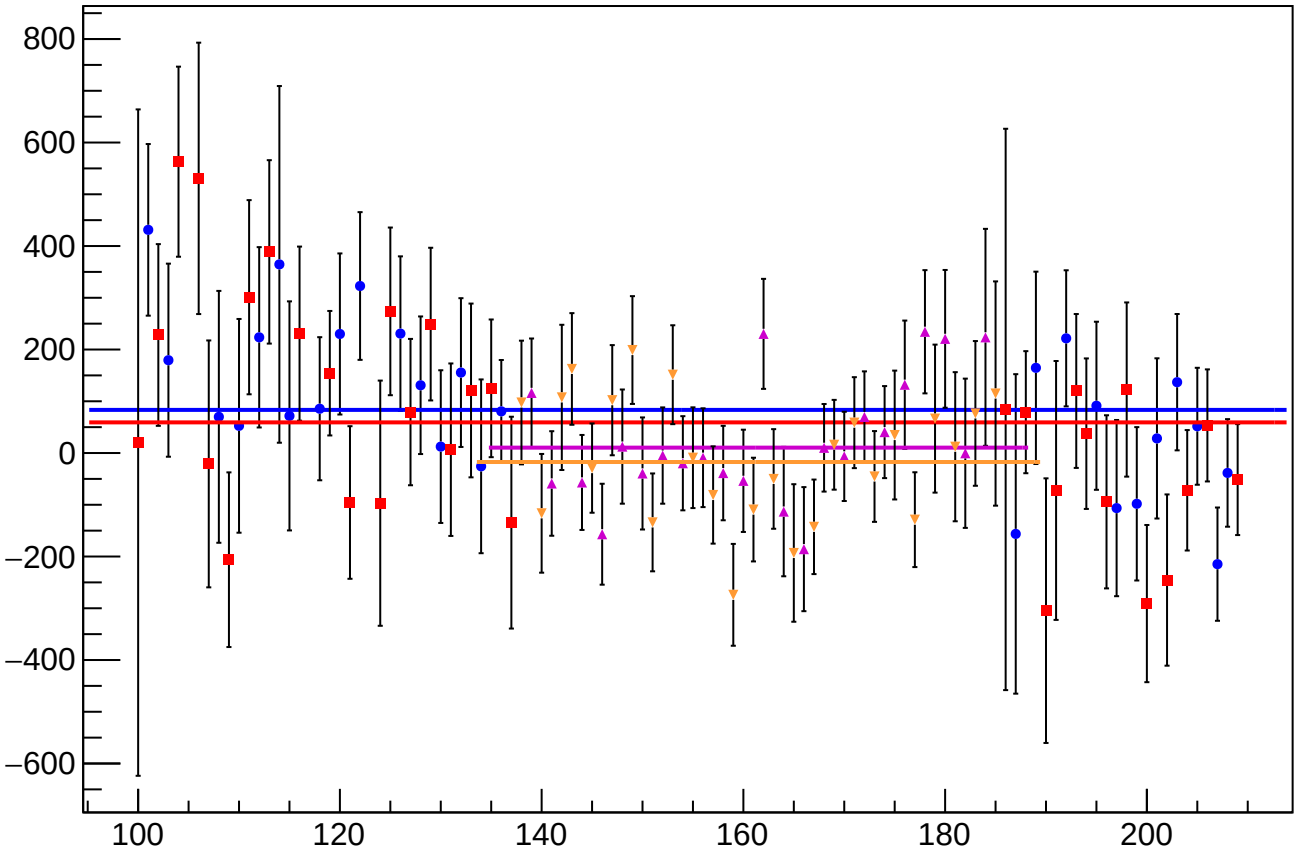
Left: 873.036+/-0.102 χ^2/NDF: 1245424.4/47

Right: 1824.391+/-0.238 χ^2/NDF: 6859903.6/58

In: 1019.741+/-0.134 χ^2/NDF:9939289.0/49

Out: 1020.427+/-0.130 χ^2/NDF:11722120.4/56

All: 1020.093+/-0.093 χ^2/NDF: 21661422.9/1



Right In: 83.344+/-28.729 χ^2/NDF: 25.5/26

Left Out: -17.356+/-20.987 χ^2/NDF:31.2/24

Right Out: 59.210+/-28.373 χ^2/NDF: 41.9/31

Left In: 10.412+/-21.503 χ^2/NDF:22.6/22

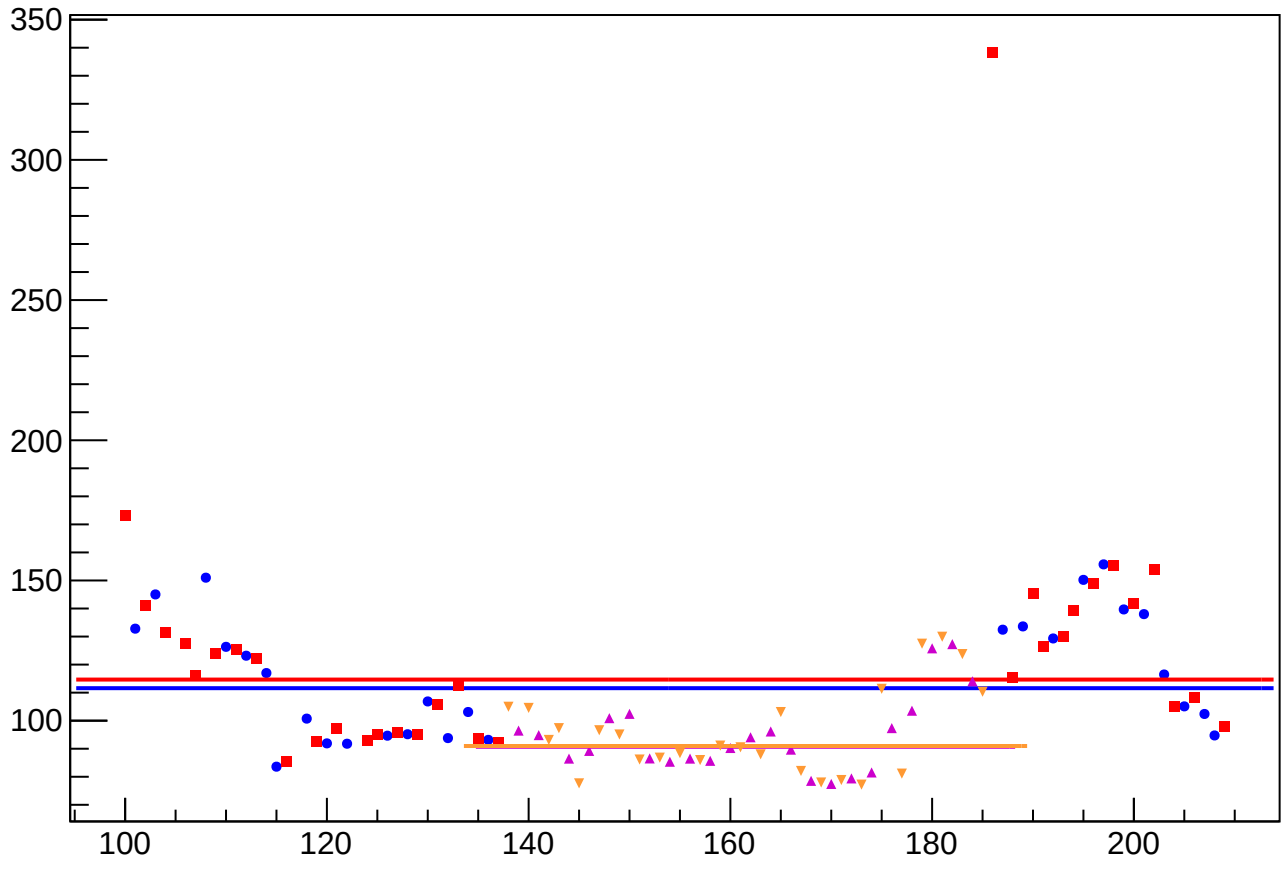
Left: -3.810+/-15.019 χ^2/NDF: 54.7/47

Right: 71.126+/-20.187 χ^2/NDF: 67.8/58

In: 36.600+/-17.215 χ^2/NDF:52.3/49

Out: 9.721+/-16.873 χ^2/NDF:77.9/56

All: 22.890+/-12.050 χ^2/NDF: 131.4/106



Right In: 111.591+/-0.020 χ^2/NDF: 974255.6/26

Left Out: 90.967+/-0.015 χ^2/NDF:784529.9/24

Right Out: 114.662+/-0.020 χ^2/NDF: 1349122.4/31

Left In: 90.690+/-0.015 χ^2/NDF:545960.7/22

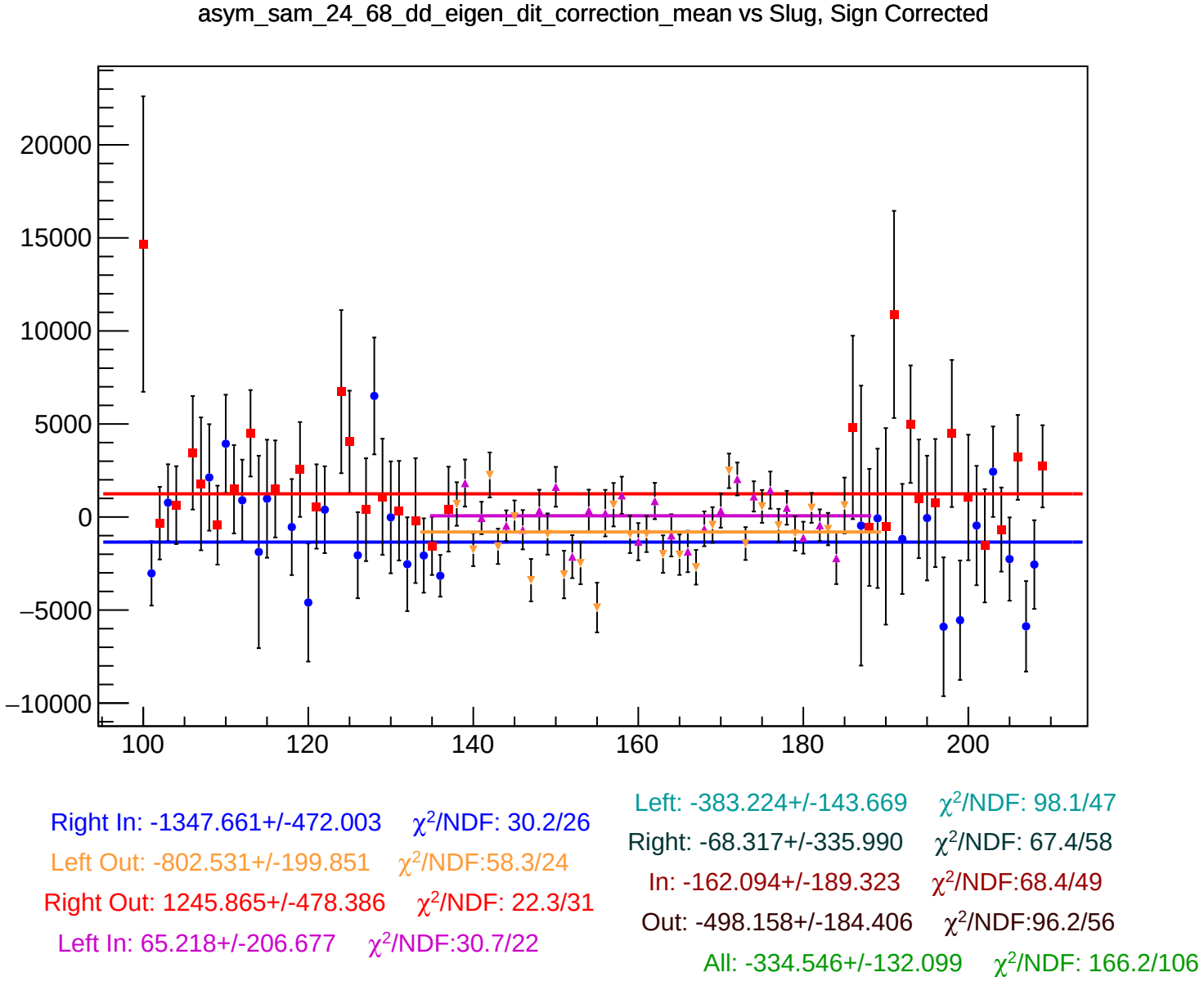
Left: 90.832+/-0.011 χ^2/NDF: 1330660.5/47

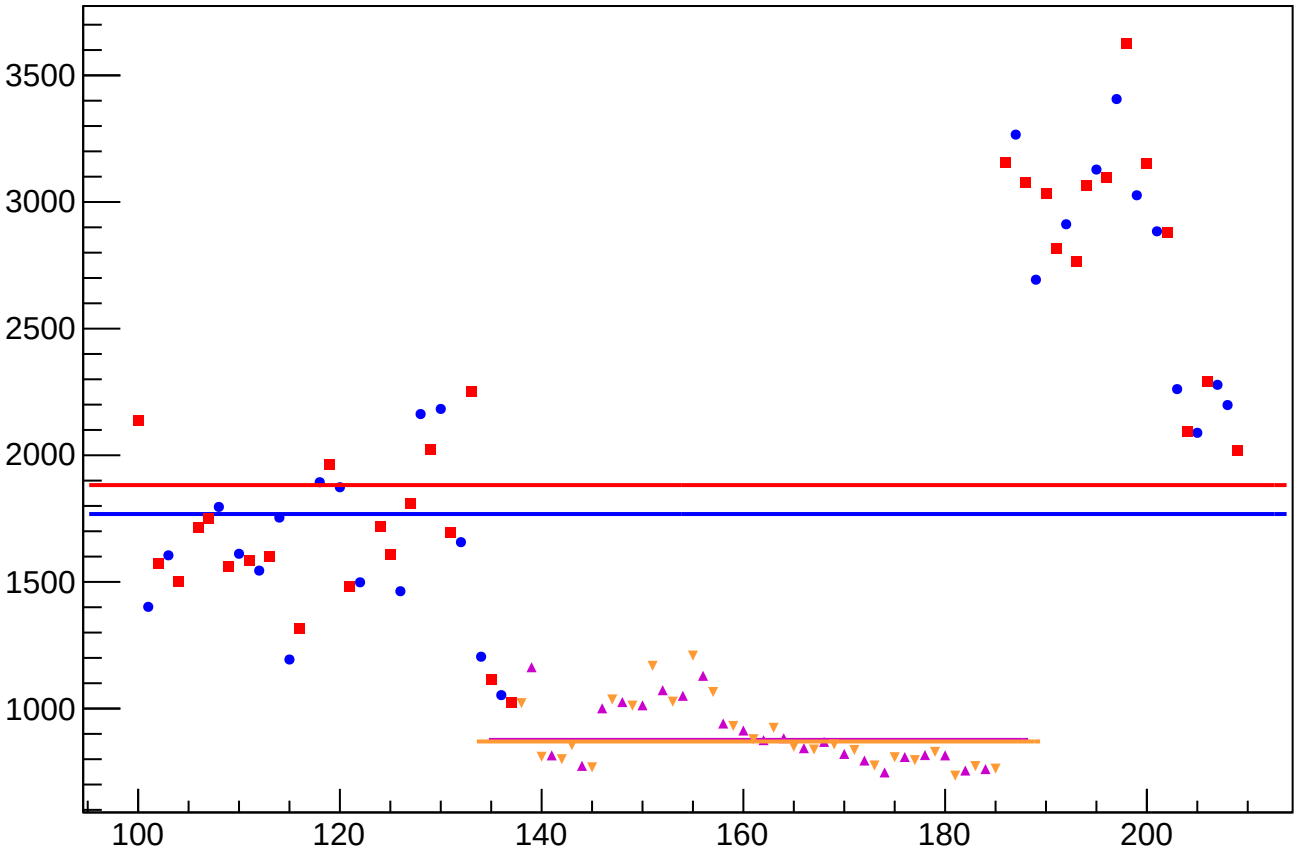
Right: 113.146+/-0.014 χ^2/NDF: 2334943.3/58

In: 98.195+/-0.012 χ^2/NDF:2198710.5/49

Out: 99.346+/-0.012 χ^2/NDF:3035243.2/56

All: 98.782+/-0.009 χ^2/NDF: 5238516.4/106


asym_sam_24_68_dd_eigen_dit_correction_mean vs Slug, Sign Corrected
20000
15000
10000
5000
0
−5000
−10000
100
120
140
160
180
200
Right In: -1347.661+/-472.003 χ²/NDF: 30.2/26
Left Out: -802.531+/-199.851 χ²/NDF:58.3/24
Right Out: 1245.865+/-478.386 χ²/NDF: 22.3/31
Left In: 65.218+/-206.677 χ²/NDF:30.7/22
Left: -383.224+/-143.669 χ²/NDF: 98.1/47
Right: -68.317+/-335.990 χ²/NDF: 67.4/58
In: -162.094+/-189.323 χ²/NDF:68.4/49
Out: -498.158+/-184.406 χ²/NDF:96.2/56
All: -334.546+/-132.099 χ²/NDF: 166.2/106



Right In: 1768.008+/-0.334 χ^2/NDF: 3351970.0/26

Left Out: 870.008+/-0.141 χ^2/NDF:647275.9/24

Right Out: 1882.302+/-0.338 χ^2/NDF: 3450103.9/31

Left In: 876.272+/-0.146 χ^2/NDF:597200.9/22

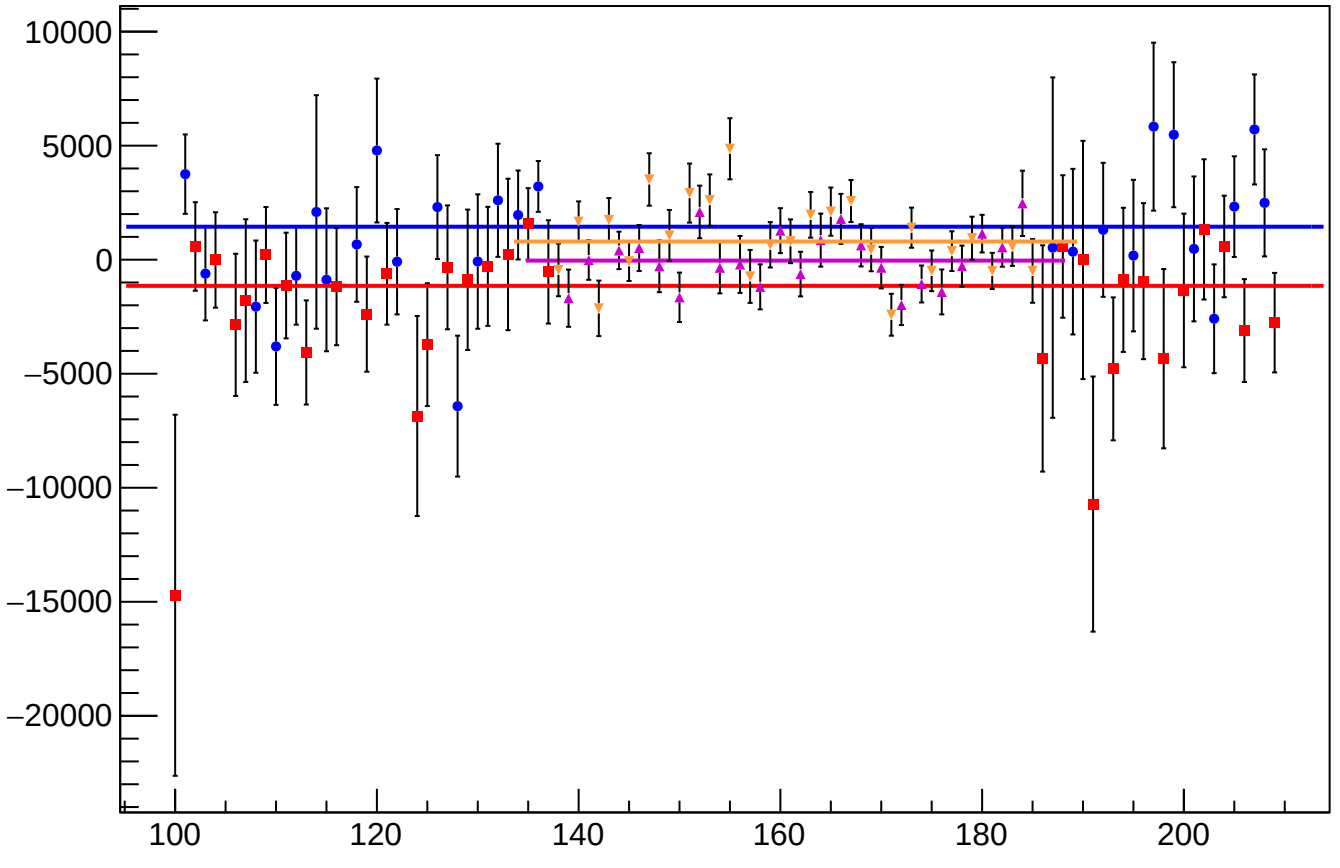
Left: 873.035+/-0.102 χ^2/NDF: 1245426.3/47

Right: 1824.388+/-0.238 χ^2/NDF: 6859921.6/58

In: 1019.740+/-0.134 χ^2/NDF:9939286.7/49

Out: 1020.426+/-0.130 χ^2/NDF:11722119.5/56

All: 1020.092+/-0.093 χ^2/NDF: 21661419.7/1



Right In: 1445.488+/-466.665 χ^2/NDF: 31.1/26

Left Out: 796.287+/-198.802 χ^2/NDF:57.2/24

Right Out: -1146.776+/-474.602 χ^2/NDF: 21.0/31

Left In: -39.746+/-205.349 χ^2/NDF:29.7/22

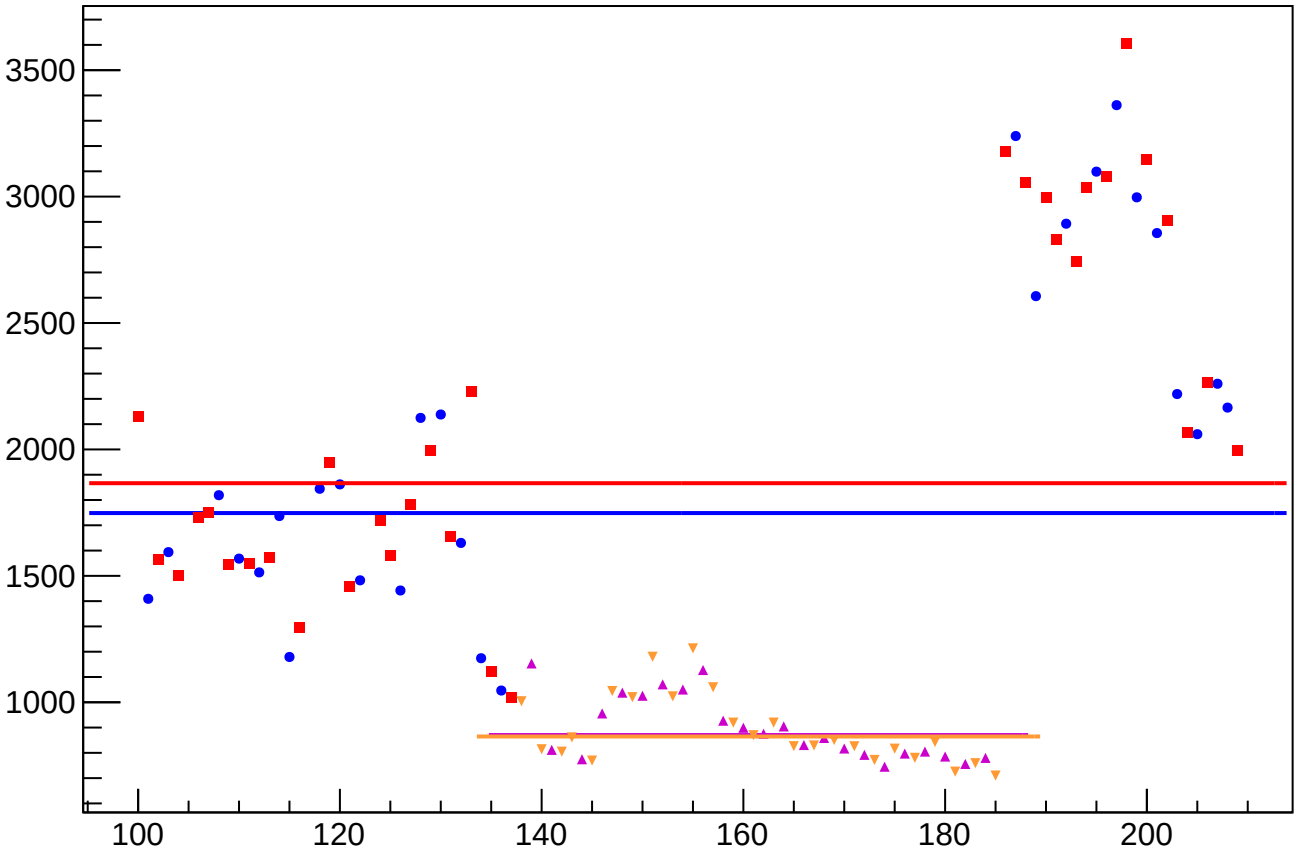
Left: 391.811+/-142.833 χ^2/NDF: 95.5/47

Right: 171.215+/-332.753 χ^2/NDF: 67.2/58

In: 201.190+/-187.957 χ^2/NDF:69.3/49

Out: 506.245+/-183.365 χ^2/NDF:92.5/56

All: 357.489+/-131.252 χ^2/NDF: 163.1/106



Right In: 1748.369+/-0.330 χ^2/NDF: 3323512.5/26

Left Out: 864.637+/-0.141 χ^2/NDF:688948.2/24

Right Out: 1866.490+/-0.336 χ^2/NDF: 3461323.6/31

Left In: 870.346+/-0.145 χ^2/NDF:604520.6/22

Left: 867.399+/-0.101 χ^2/NDF: 1294266.9/47

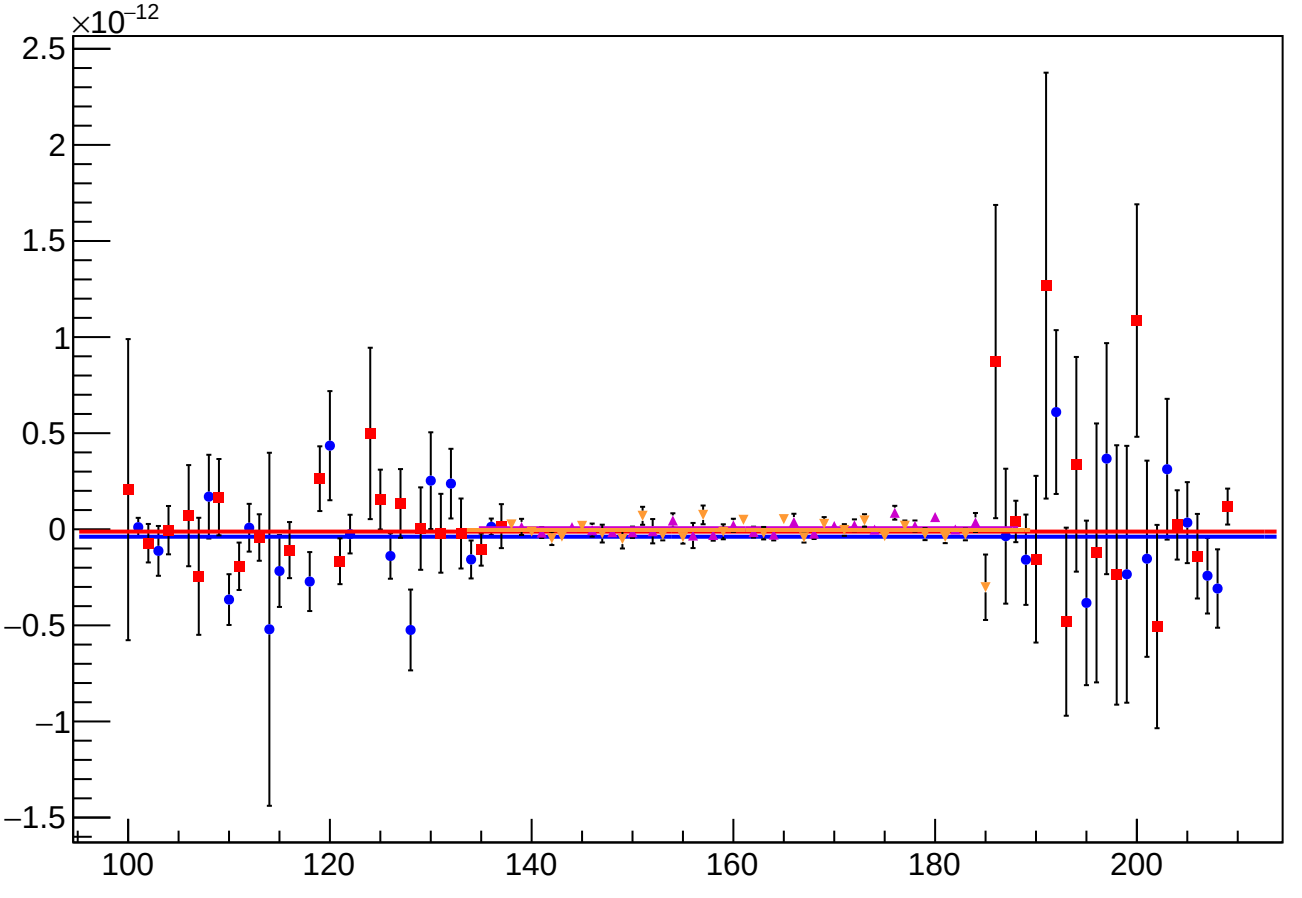
Right: 1806.433+/-0.235 χ^2/NDF: 6847824.5/58

In: 1012.780+/-0.133 χ^2/NDF:9859482.7/49

Out: 1014.184+/-0.130 χ^2/NDF:11732036.3/56

All: 1013.499+/-0.093 χ^2/NDF: 21591576.2/

asym_sam_24_68_dd_reg_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.000 χ^2/NDF: 35.1/26

Left Out: -0.000+/-0.000 χ^2/NDF:38.7/24

Right Out: -0.000+/-0.000 χ^2/NDF: 24.2/31

Left In: 0.000+/-0.000 χ^2/NDF:20.6/22

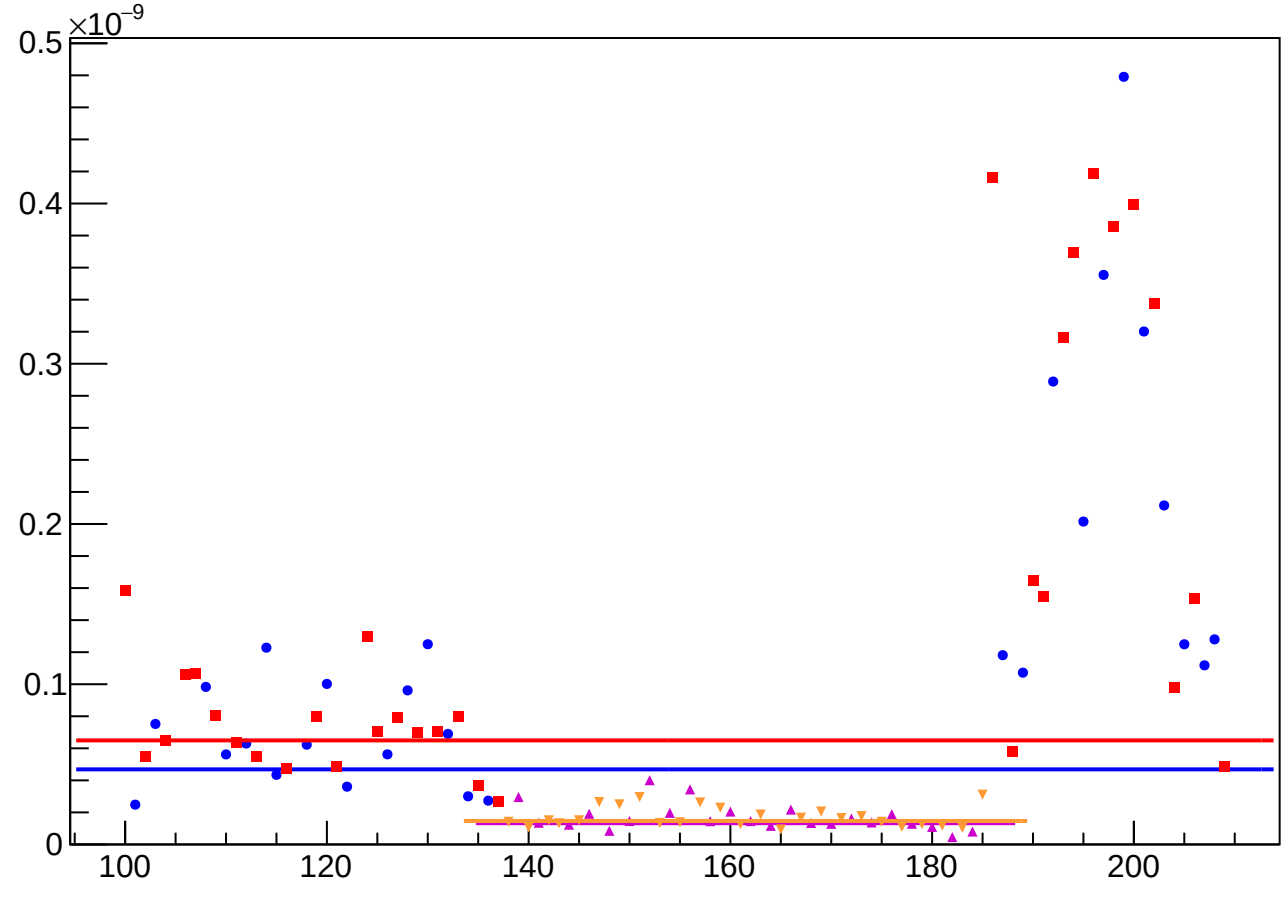
Left: 0.000+/-0.000 χ^2/NDF: 60.6/47

Right: -0.000+/-0.000 χ^2/NDF: 59.8/58

In: 0.000+/-0.000 χ^2/NDF:58.9/49

Out: -0.000+/-0.000 χ^2/NDF:63.0/56

All: -0.000+/-0.000 χ^2/NDF: 122.7/106



Right In: 0.000+/-0.000 χ^2/NDF: 5876785.5/26

Left Out: 0.000+/-0.000 χ^2/NDF:1073691.3/24

Right Out: 0.000+/-0.000 χ^2/NDF: 4988185.2/31

Left In: 0.000+/-0.000 χ^2/NDF:1970835.1/22

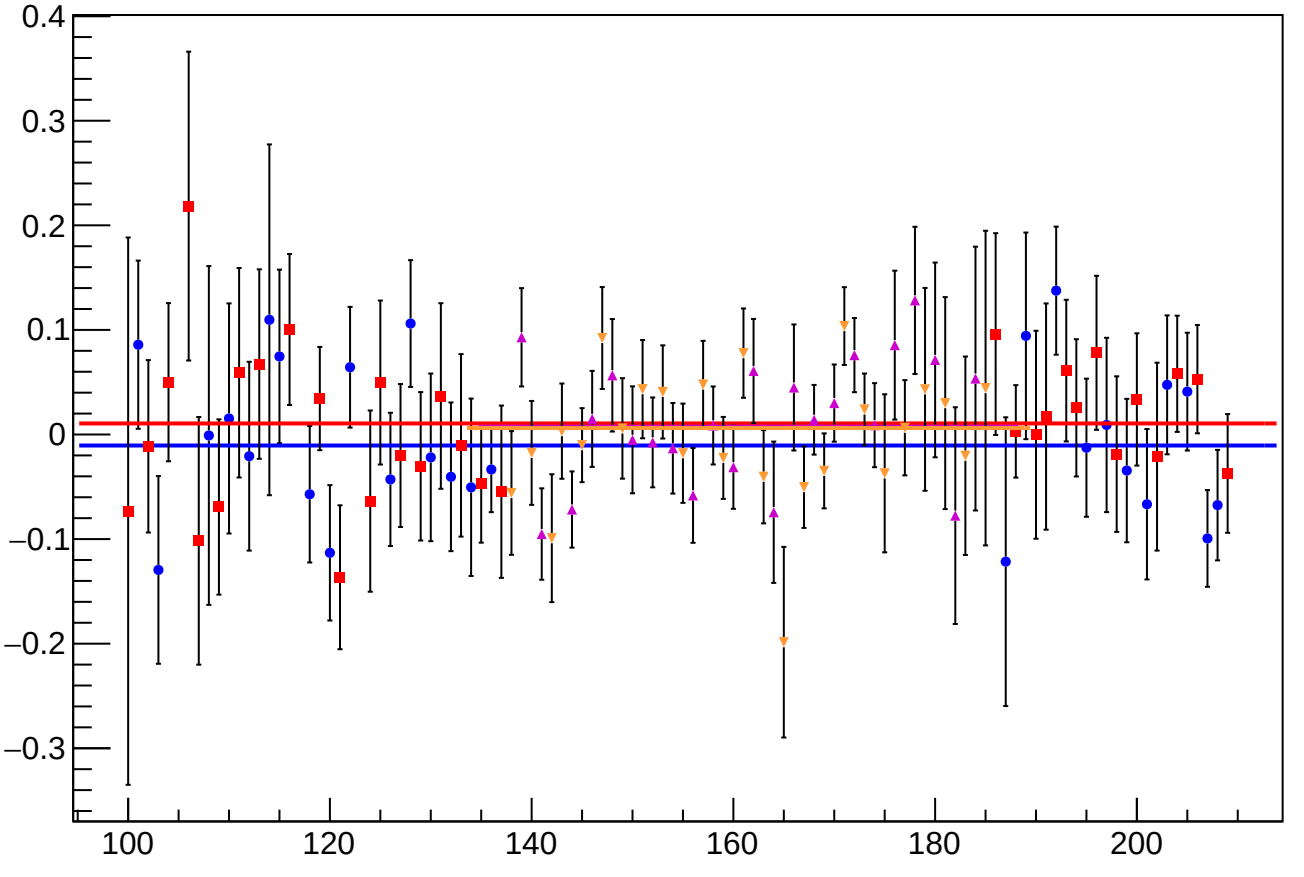
Left: 0.000+/-0.000 χ^2/NDF: 3099270.2/47

Right: 0.000+/-0.000 χ^2/NDF: 11315784.4/58

In: 0.000+/-0.000 χ^2/NDF:11503988.2/49

Out: 0.000+/-0.000 χ^2/NDF:11659111.8/56

All: 0.000+/-0.000 χ^2/NDF: 23223697.8/106



Right In: -0.011+/-0.013 χ^2/NDF: 29.1/26

Left Out: 0.006+/-0.010 χ^2/NDF:30.8/24

Right Out: 0.011+/-0.013 χ^2/NDF: 19.3/31

Left In: 0.007+/-0.010 χ^2/NDF:30.4/22

Left: 0.007+/-0.007 χ^2/NDF: 61.3/47

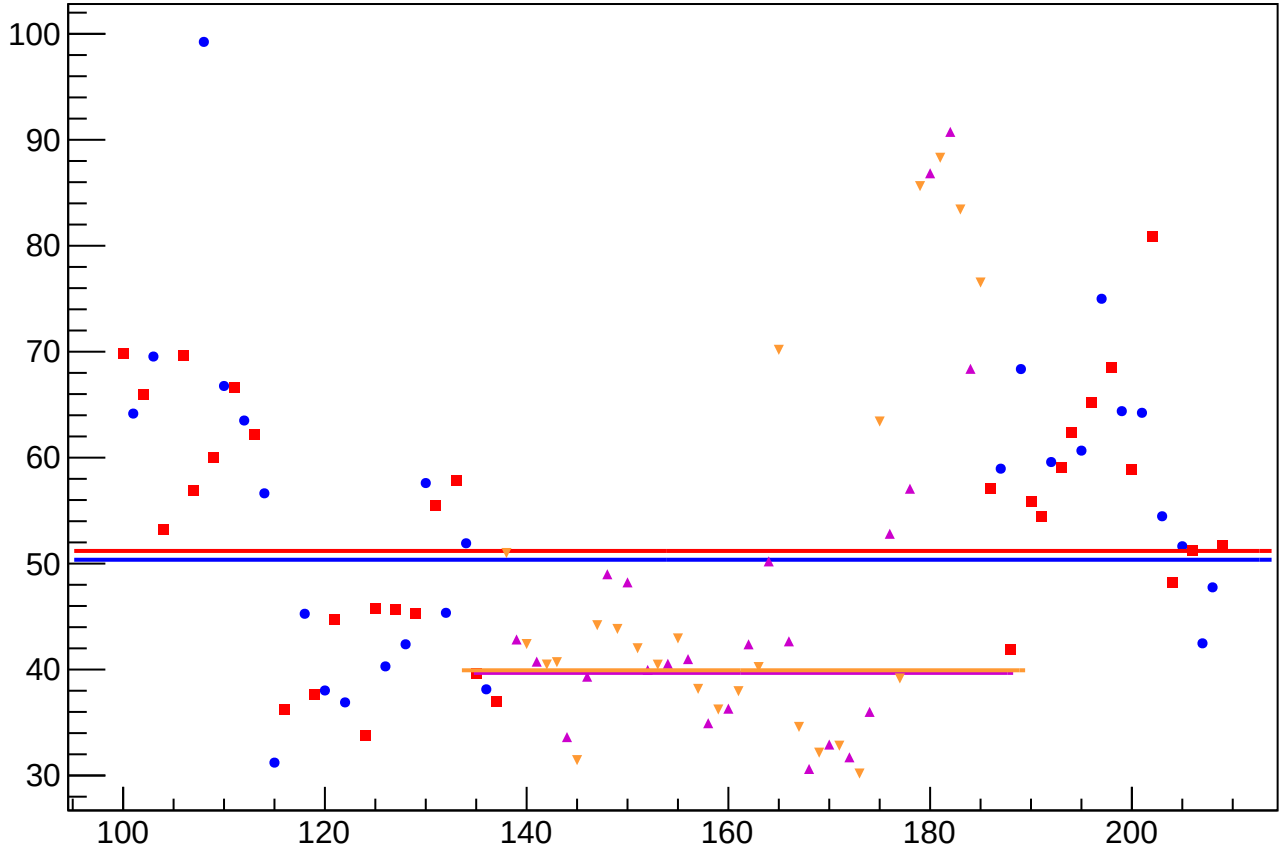
Right: 0.000+/-0.009 χ^2/NDF: 49.7/58

In: 0.001+/-0.008 χ^2/NDF:60.7/49

Out: 0.008+/-0.008 χ^2/NDF:50.2/56

All: 0.005+/-0.005 χ^2/NDF: 111.3/106

asym_sam_24_68_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 50.363+/-0.009 χ^2/NDF: 1586146.4/26

Left Out: 39.930+/-0.007 χ^2/NDF:2475485.4/24

Right Out: 51.195+/-0.009 χ^2/NDF: 1361338.9/31

Left In: 39.686+/-0.007 χ^2/NDF:1915871.4/22

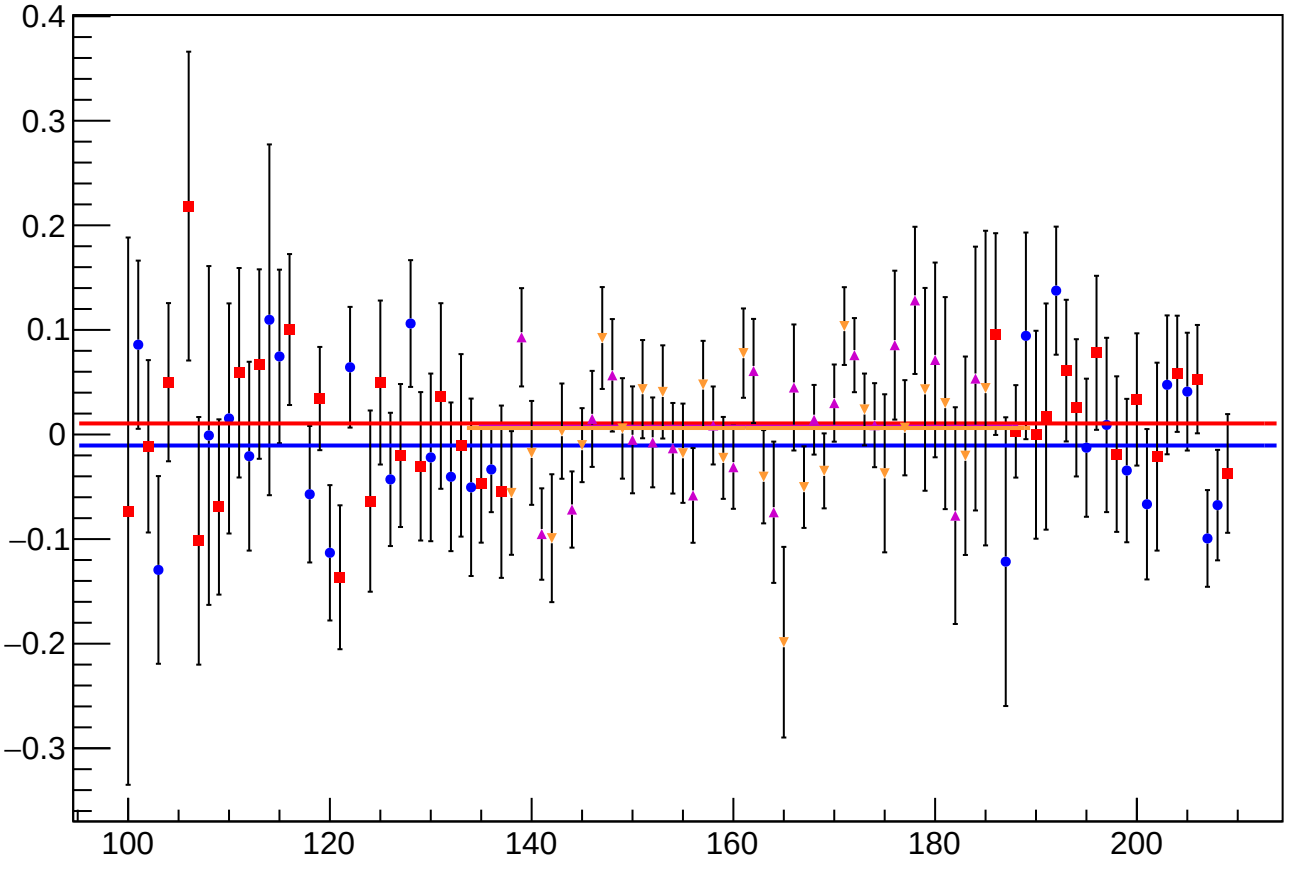
Left: 39.811+/-0.005 χ^2/NDF: 4391996.2/47

Right: 50.793+/-0.007 χ^2/NDF: 2951528.8/58

In: 43.433+/-0.006 χ^2/NDF:4339463.1/49

Out: 43.950+/-0.005 χ^2/NDF:4825407.6/56

All: 43.698+/-0.004 χ^2/NDF: 9169303.3/106



Right In: -0.011+/-0.013 χ^2/NDF: 29.1/26

Left Out: 0.006+/-0.010 χ^2/NDF:30.8/24

Right Out: 0.011+/-0.013 χ^2/NDF: 19.3/31

Left In: 0.007+/-0.010 χ^2/NDF:30.4/22

Left: 0.007+/-0.007 χ^2/NDF: 61.3/47

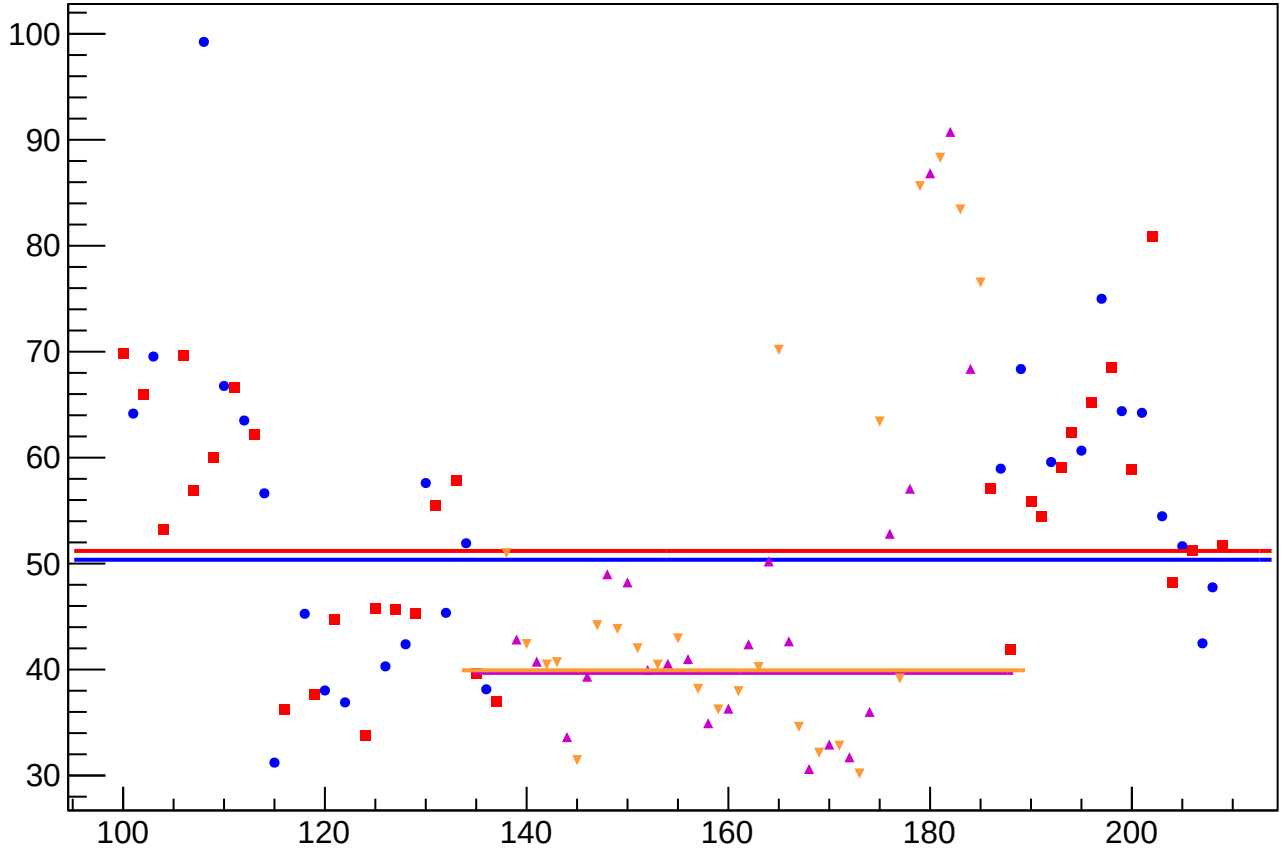
Right: 0.000+/-0.009 χ^2/NDF: 49.7/58

In: 0.001+/-0.008 χ^2/NDF:60.7/49

Out: 0.008+/-0.008 χ^2/NDF:50.2/56

All: 0.005+/-0.005 χ^2/NDF: 111.3/106

asym_sam_24_68_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 50.363+/-0.009 χ^2/NDF: 1586146.4/26

Left Out: 39.930+/-0.007 χ^2/NDF:2475485.4/24

Right Out: 51.195+/-0.009 χ^2/NDF: 1361338.9/31

Left In: 39.686+/-0.007 χ^2/NDF:1915871.4/22

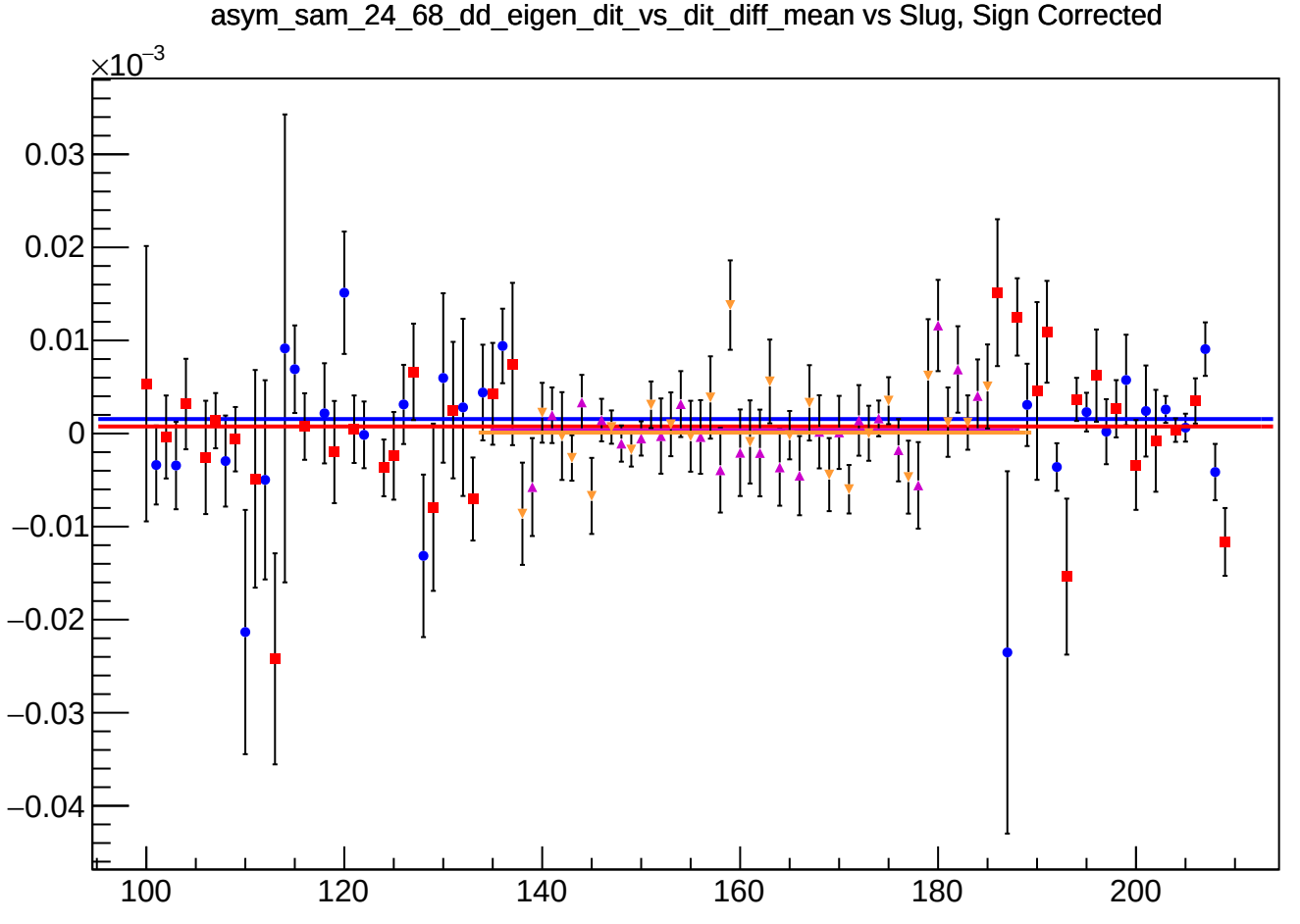
Left: 39.811+/-0.005 χ^2/NDF: 4391996.2/47

Right: 50.793+/-0.007 χ^2/NDF: 2951528.8/58

In: 43.433+/-0.006 χ^2/NDF:4339463.1/49

Out: 43.950+/-0.005 χ^2/NDF:4825407.6/56

All: 43.698+/-0.004 χ^2/NDF: 9169303.3/106



Right In: 0.000+/-0.000 χ^2/NDF: 38.2/26

Left Out: 0.000+/-0.000 χ^2/NDF:33.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 50.8/31

Left In: 0.000+/-0.000 χ^2/NDF:18.7/22

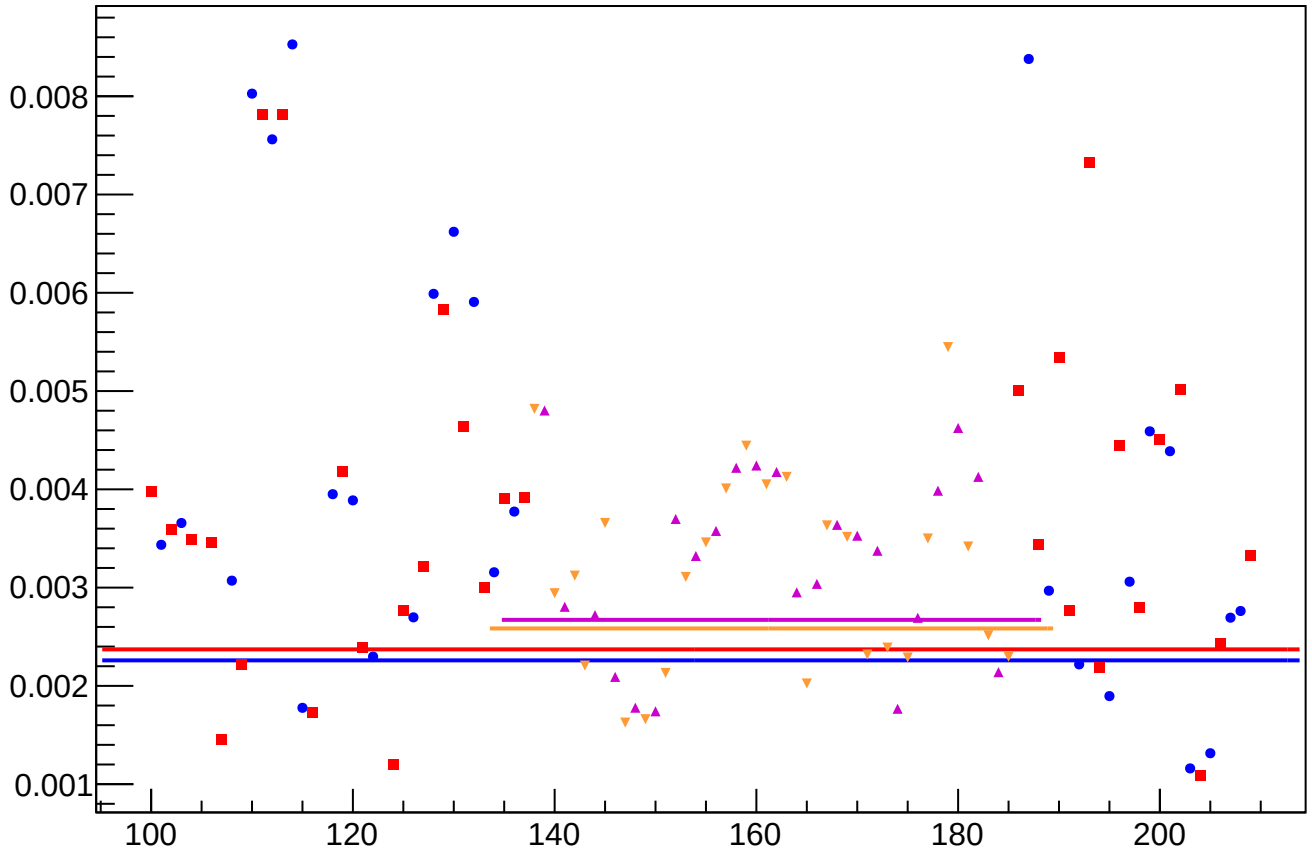
Left: 0.000+/-0.000 χ^2/NDF: 52.0/47

Right: 0.000+/-0.000 χ^2/NDF: 89.7/58

In: 0.000+/-0.000 χ^2/NDF:58.5/49

Out: 0.000+/-0.000 χ^2/NDF:84.5/56

All: 0.000+/-0.000 χ^2/NDF: 143.7/106



Right In: 0.002+/-0.000 χ^2/NDF: 6518265.3/26

Left Out: 0.003+/-0.000 χ^2/NDF:3892707.7/24

Right Out: 0.002+/-0.000 χ^2/NDF: 7572680.0/31

Left In: 0.003+/-0.000 χ^2/NDF:3825662.0/22

Left: 0.003+/-0.000 χ^2/NDF: 7736624.4/47

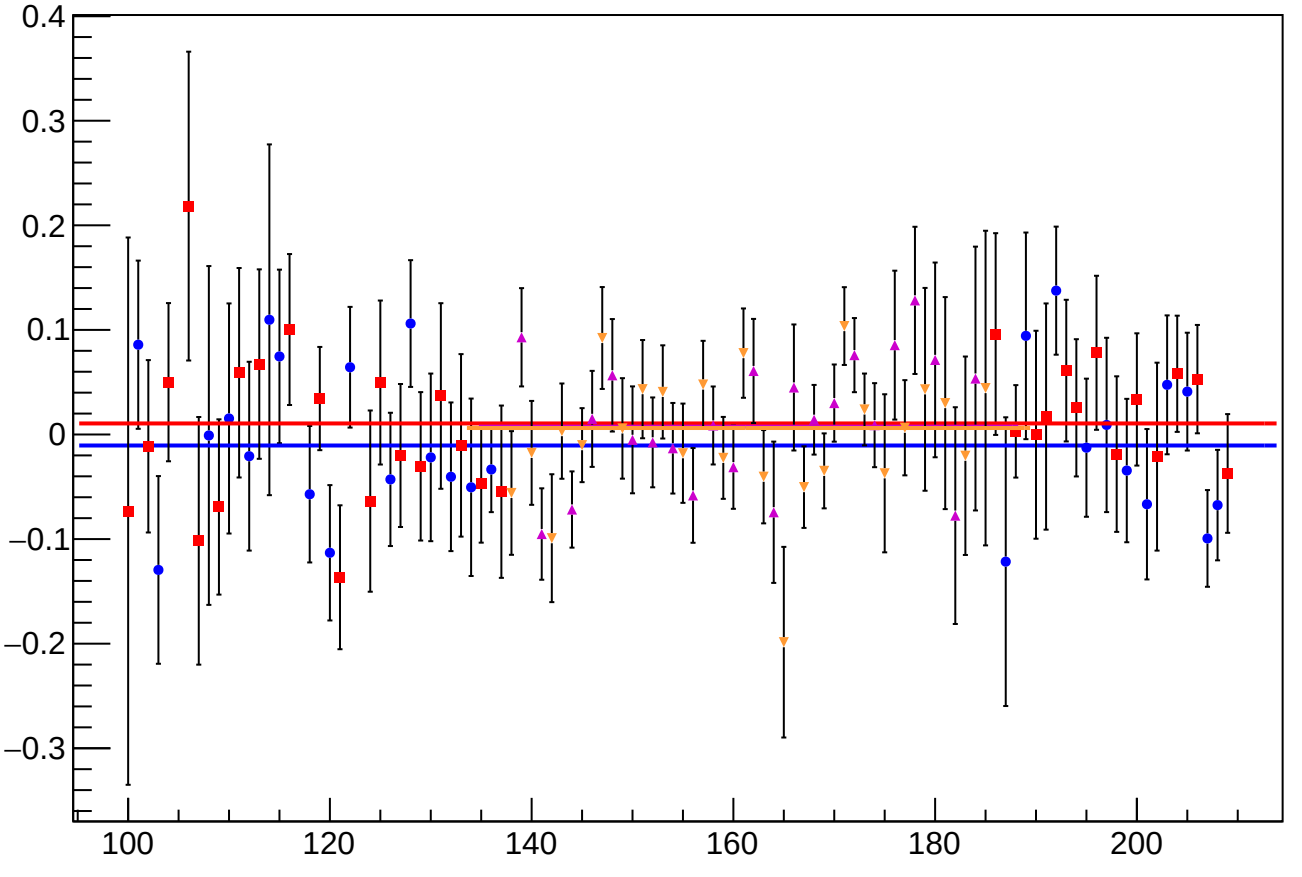
Right: 0.002+/-0.000 χ^2/NDF: 14119410.8/58

In: 0.002+/-0.000 χ^2/NDF:10728186.0/49

Out: 0.002+/-0.000 χ^2/NDF:11573919.0/56

All: 0.002+/-0.000 χ^2/NDF: 22304187.8/106

asym_sam_24_68_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.011+/-0.013 χ^2/NDF: 29.1/26

Left Out: 0.006+/-0.010 χ^2/NDF:30.8/24

Right Out: 0.011+/-0.013 χ^2/NDF: 19.3/31

Left In: 0.007+/-0.010 χ^2/NDF:30.4/22

Left: 0.007+/-0.007 χ^2/NDF: 61.3/47

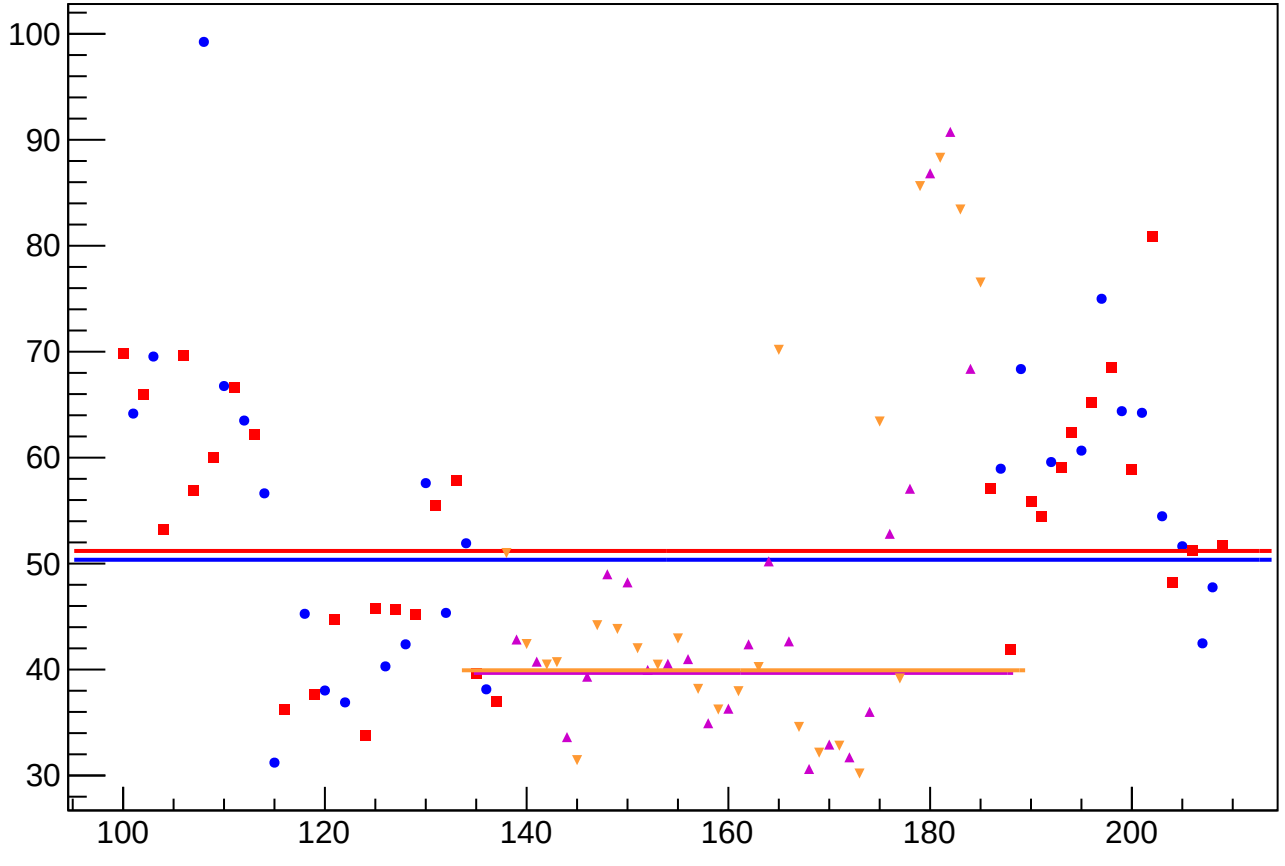
Right: 0.000+/-0.009 χ^2/NDF: 49.7/58

In: 0.001+/-0.008 χ^2/NDF:60.7/49

Out: 0.008+/-0.008 χ^2/NDF:50.2/56

All: 0.005+/-0.005 χ^2/NDF: 111.3/106

asym_sam_24_68_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 50.362+/-0.009 χ^2/NDF: 1586188.3/26

Left Out: 39.930+/-0.007 χ^2/NDF:2475527.1/24

Right Out: 51.194+/-0.009 χ^2/NDF: 1361374.6/31

Left In: 39.685+/-0.007 χ^2/NDF:1915901.2/22

Left: 39.810+/-0.005 χ^2/NDF: 4392069.1/47

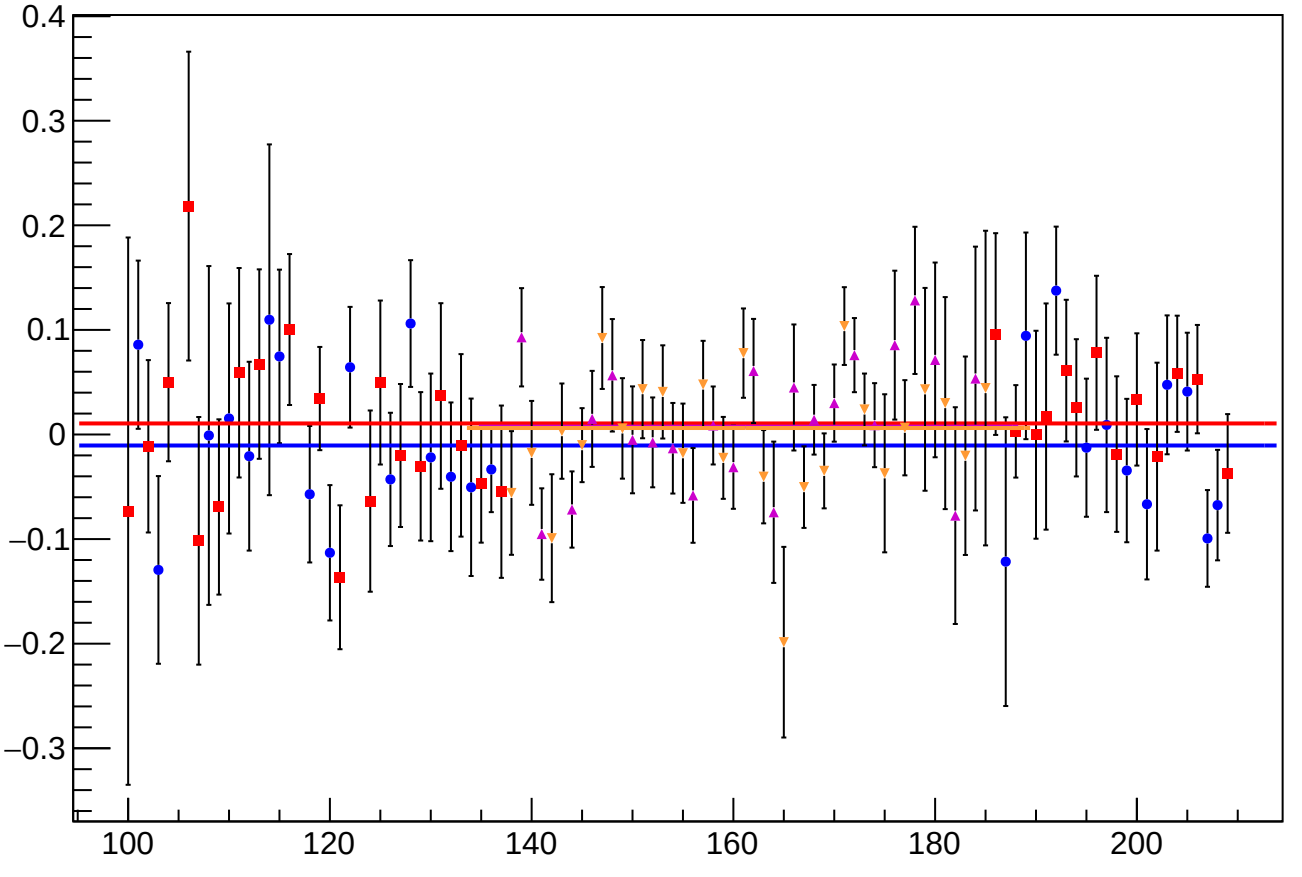
Right: 50.792+/-0.007 χ^2/NDF: 2951611.5/58

In: 43.432+/-0.006 χ^2/NDF:4339414.4/49

Out: 43.950+/-0.005 χ^2/NDF:4825373.2/56

All: 43.698+/-0.004 χ^2/NDF: 9169225.9/106

asym_sam_24_68_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.011+/-0.013 χ^2/NDF: 29.1/26

Left Out: 0.006+/-0.010 χ^2/NDF:30.8/24

Right Out: 0.011+/-0.013 χ^2/NDF: 19.3/31

Left In: 0.007+/-0.010 χ^2/NDF:30.4/22

Left: 0.007+/-0.007 χ^2/NDF: 61.3/47

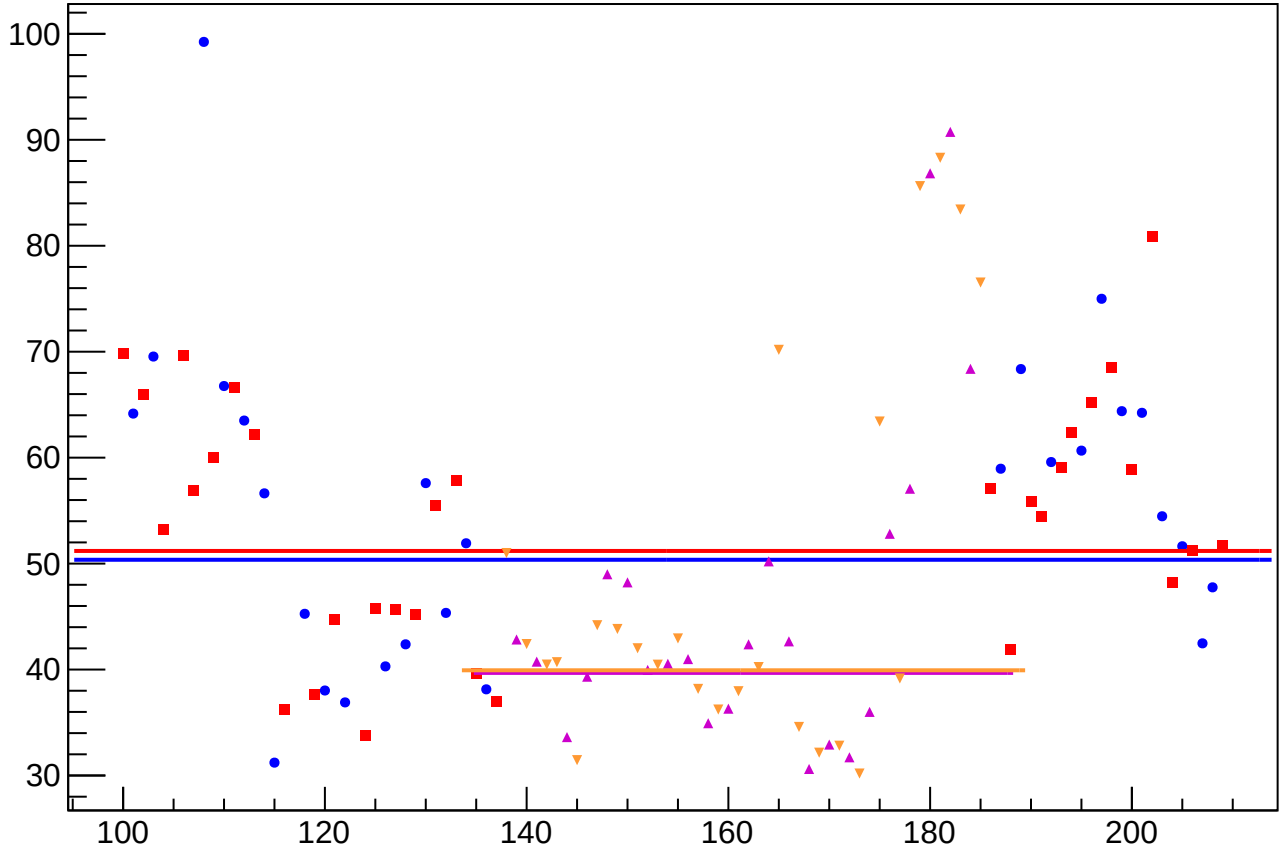
Right: 0.000+/-0.009 χ^2/NDF: 49.7/58

In: 0.001+/-0.008 χ^2/NDF:60.7/49

Out: 0.008+/-0.008 χ^2/NDF:50.2/56

All: 0.005+/-0.005 χ^2/NDF: 111.3/106

asym_sam_24_68_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 50.362+/-0.009 χ^2/NDF: 1586188.3/26

Left Out: 39.930+/-0.007 χ^2/NDF:2475527.1/24

Right Out: 51.194+/-0.009 χ^2/NDF: 1361374.6/31

Left In: 39.685+/-0.007 χ^2/NDF:1915901.2/22

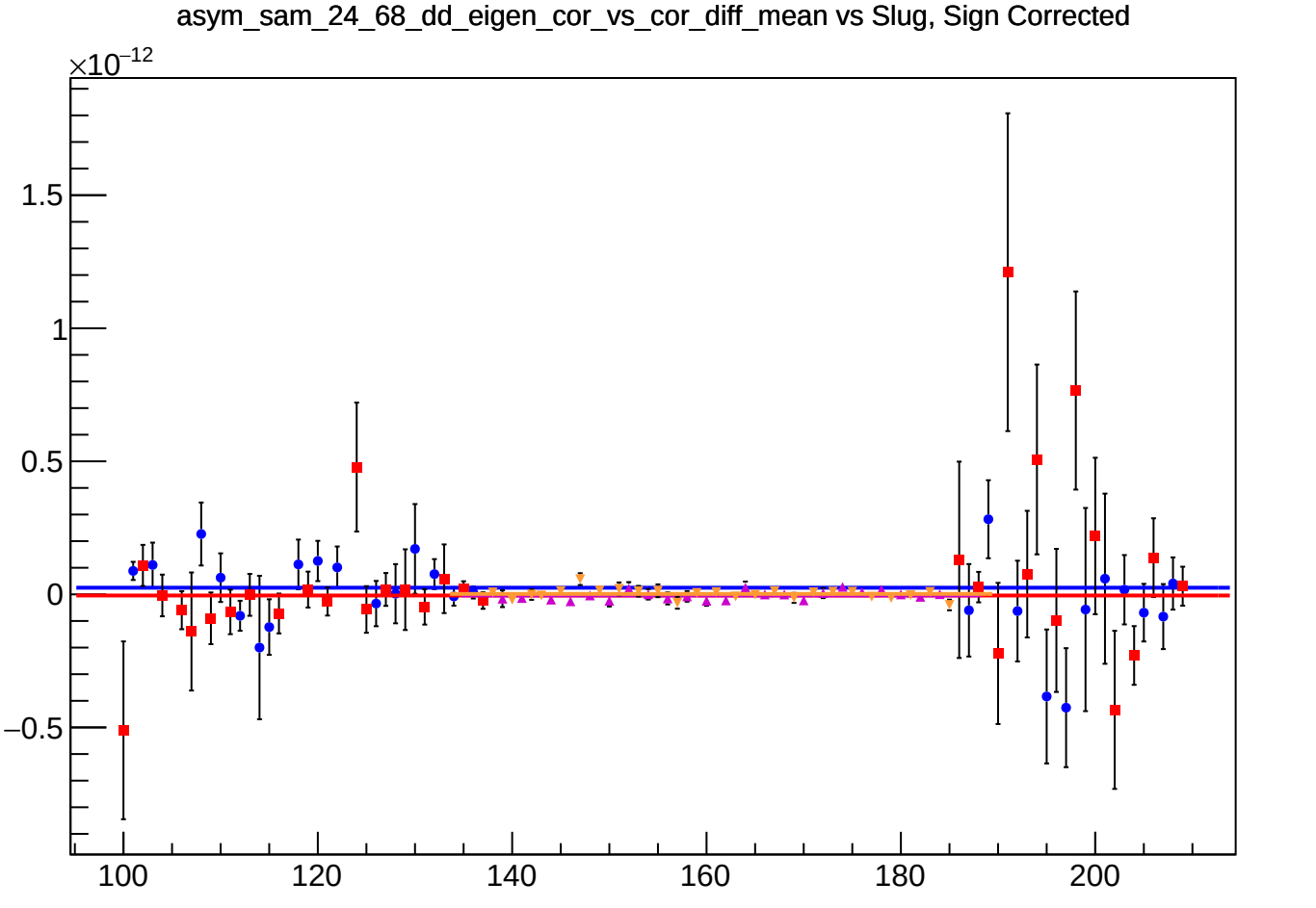
Left: 39.810+/-0.005 χ^2/NDF: 4392069.1/47

Right: 50.792+/-0.007 χ^2/NDF: 2951611.5/58

In: 43.432+/-0.006 χ^2/NDF:4339414.4/49

Out: 43.950+/-0.005 χ^2/NDF:4825373.2/56

All: 43.698+/-0.004 χ^2/NDF: 9169225.9/106



Right In: 0.000+/-0.000 χ^2/NDF: 32.9/26

Left Out: 0.000+/-0.000 χ^2/NDF:28.0/24

Right Out: -0.000+/-0.000 χ^2/NDF: 34.1/31

Left In: -0.000+/-0.000 χ^2/NDF:27.5/22

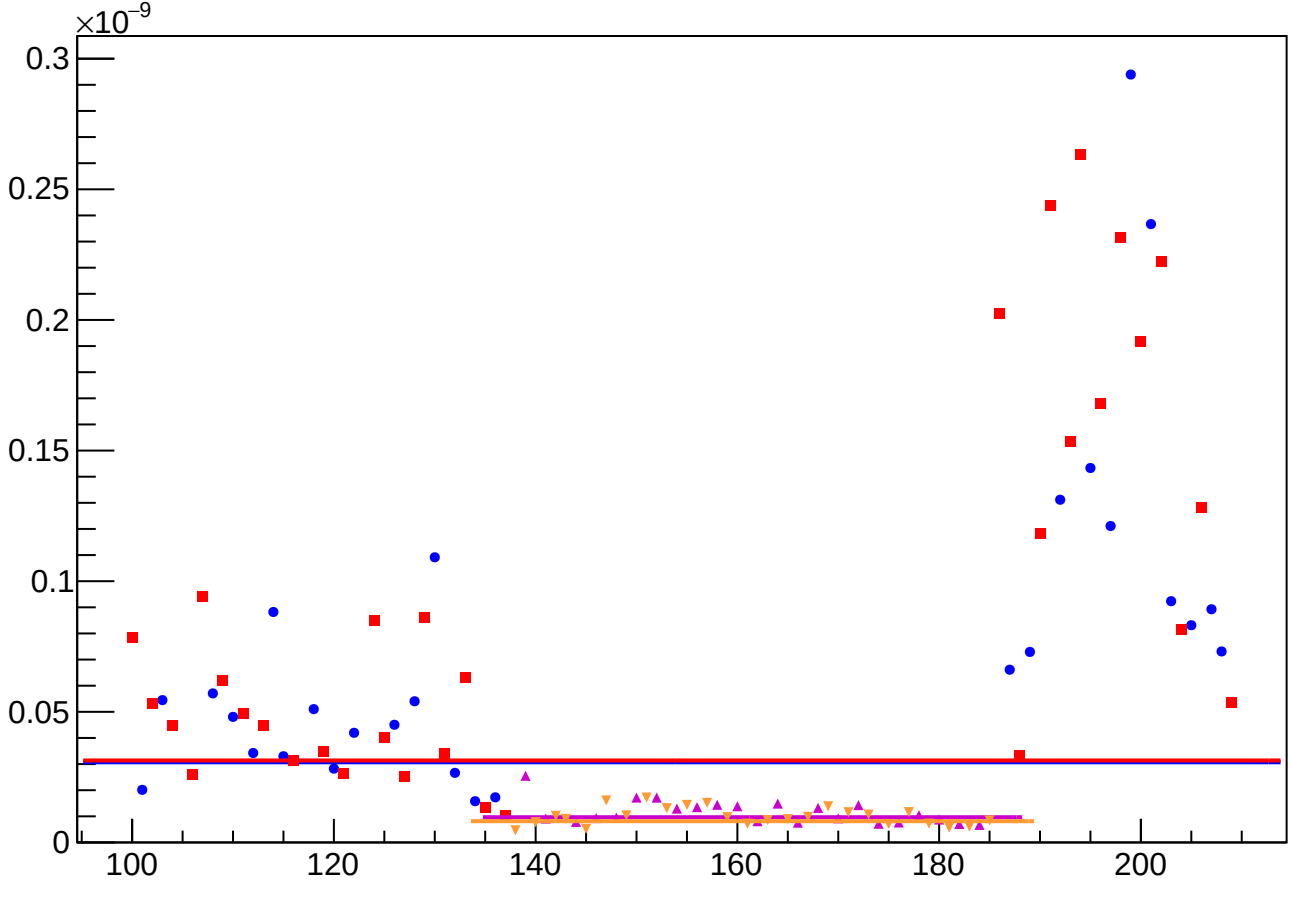
Left: -0.000+/-0.000 χ^2/NDF: 57.5/47

Right: 0.000+/-0.000 χ^2/NDF: 69.4/58

In: -0.000+/-0.000 χ^2/NDF:65.1/49

Out: 0.000+/-0.000 χ^2/NDF:62.3/56

All: -0.000+/-0.000 χ^2/NDF: 128.4/106



Right In: 0.000+/-0.000 χ^2/NDF: 7516956.9/26

Left Out: 0.000+/-0.000 χ^2/NDF:2354980.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 9347508.1/31

Left In: 0.000+/-0.000 χ^2/NDF:2106161.0/22

Left: 0.000+/-0.000 χ^2/NDF: 4748302.8/47

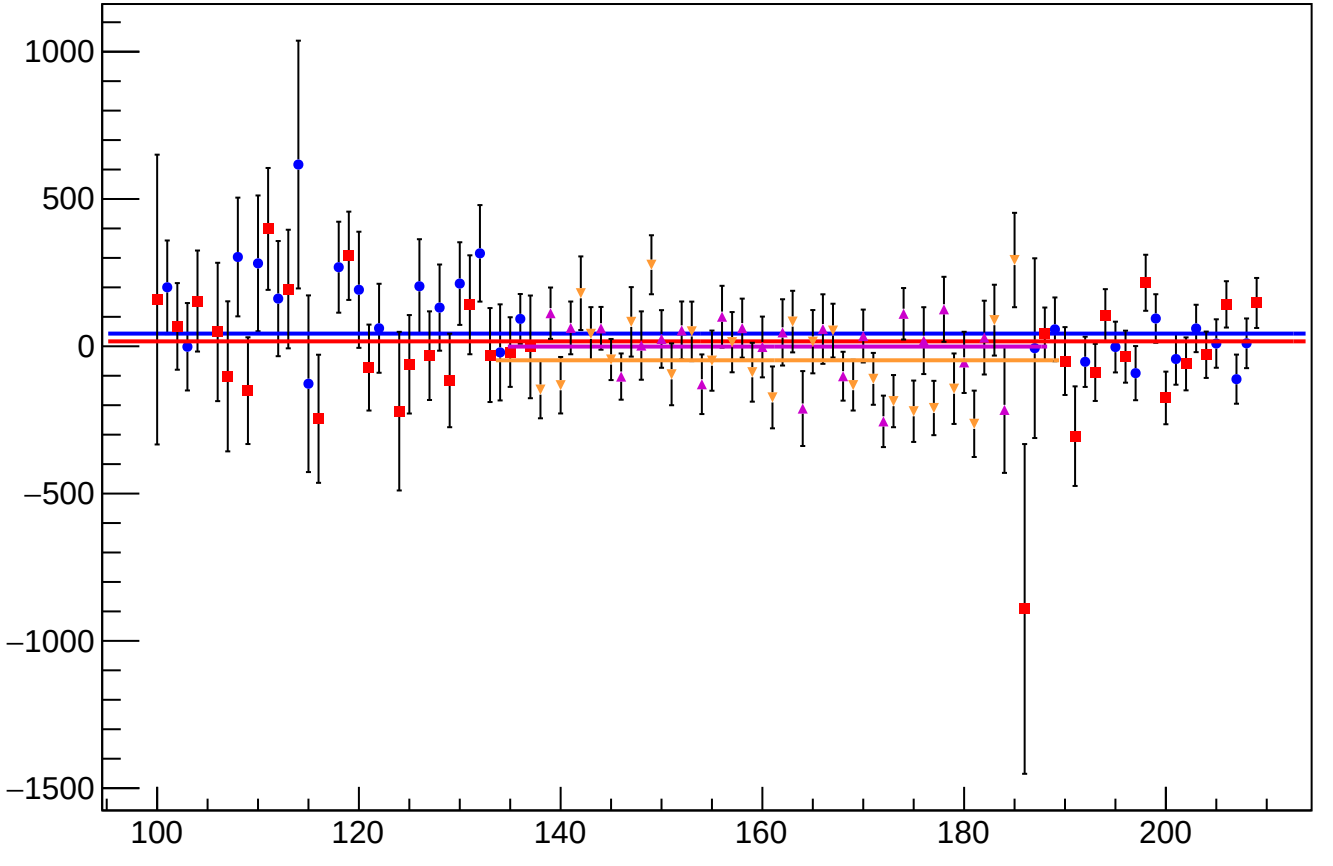
Right: 0.000+/-0.000 χ^2/NDF: 16867332.6/58

In: 0.000+/-0.000 χ^2/NDF:14602925.3/49

Out: 0.000+/-0.000 χ^2/NDF:17512386.1/56

All: 0.000+/-0.000 χ^2/NDF: 32534771.9/106

reg_asym_sam_26_48_dd_mean vs Slug, Sign Corrected



Right In: 43.082+/-22.434 χ^2/NDF: 24.1/26

Left Out: -47.524+/-19.983 χ^2/NDF:44.0/24

Right Out: 16.739+/-22.134 χ^2/NDF: 38.4/31

Left In: -0.986+/-20.604 χ^2/NDF:25.5/22

Left: -24.966+/-14.345 χ^2/NDF: 72.1/47

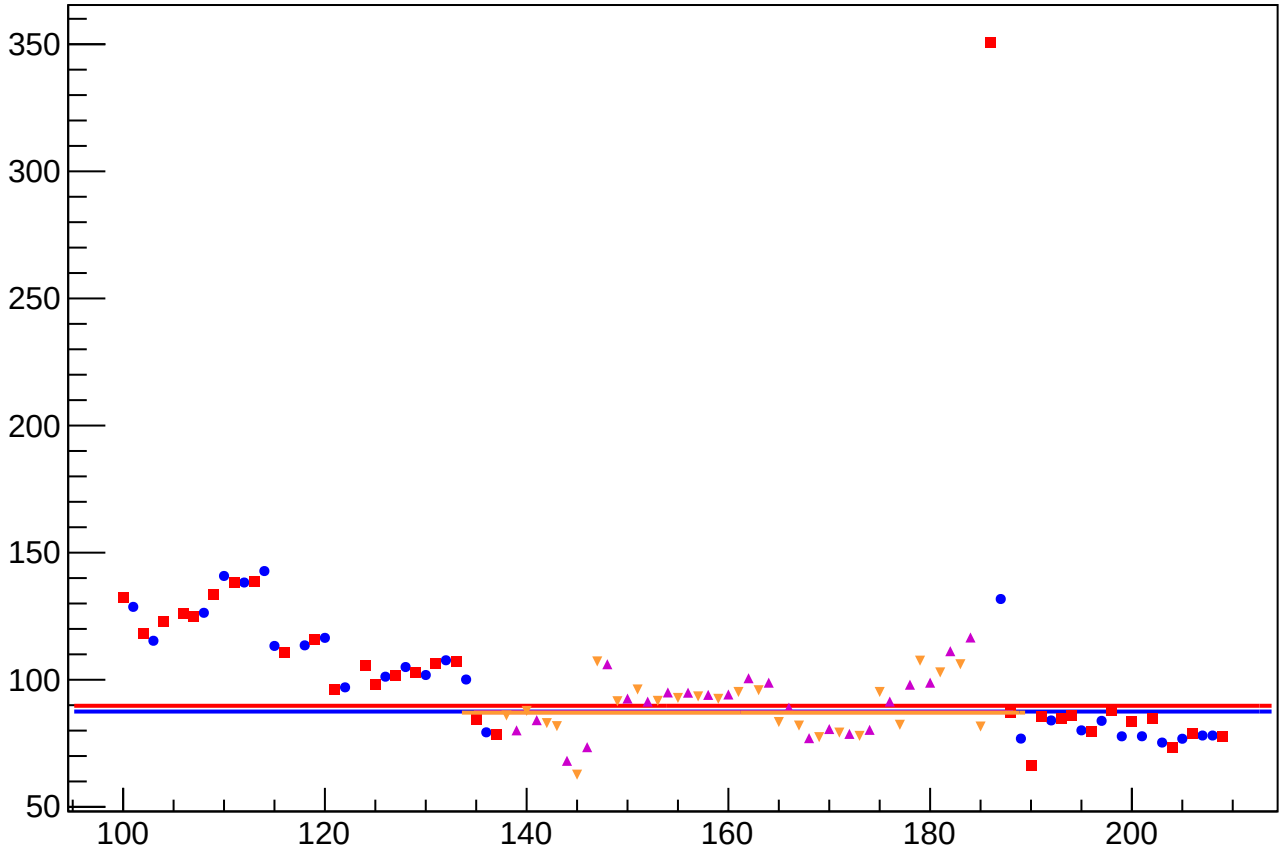
Right: 29.733+/-15.756 χ^2/NDF: 63.1/58

In: 19.177+/-15.175 χ^2/NDF:51.6/49

Out: -18.666+/-14.832 χ^2/NDF:87.0/56

All: -0.176+/-10.607 χ^2/NDF: 141.8/106

reg_asym_sam_26_48_dd_rms vs Slug, Sign Corrected



Right In: 87.497+/-0.016 χ^2/NDF: 1069895.7/26

Left Out: 87.072+/-0.014 χ^2/NDF:620626.5/24

Right Out: 89.767+/-0.016 χ^2/NDF: 1516108.1/31

Left In: 87.257+/-0.015 χ^2/NDF:595793.1/22

Left: 87.161+/-0.010 χ^2/NDF: 1216502.5/47

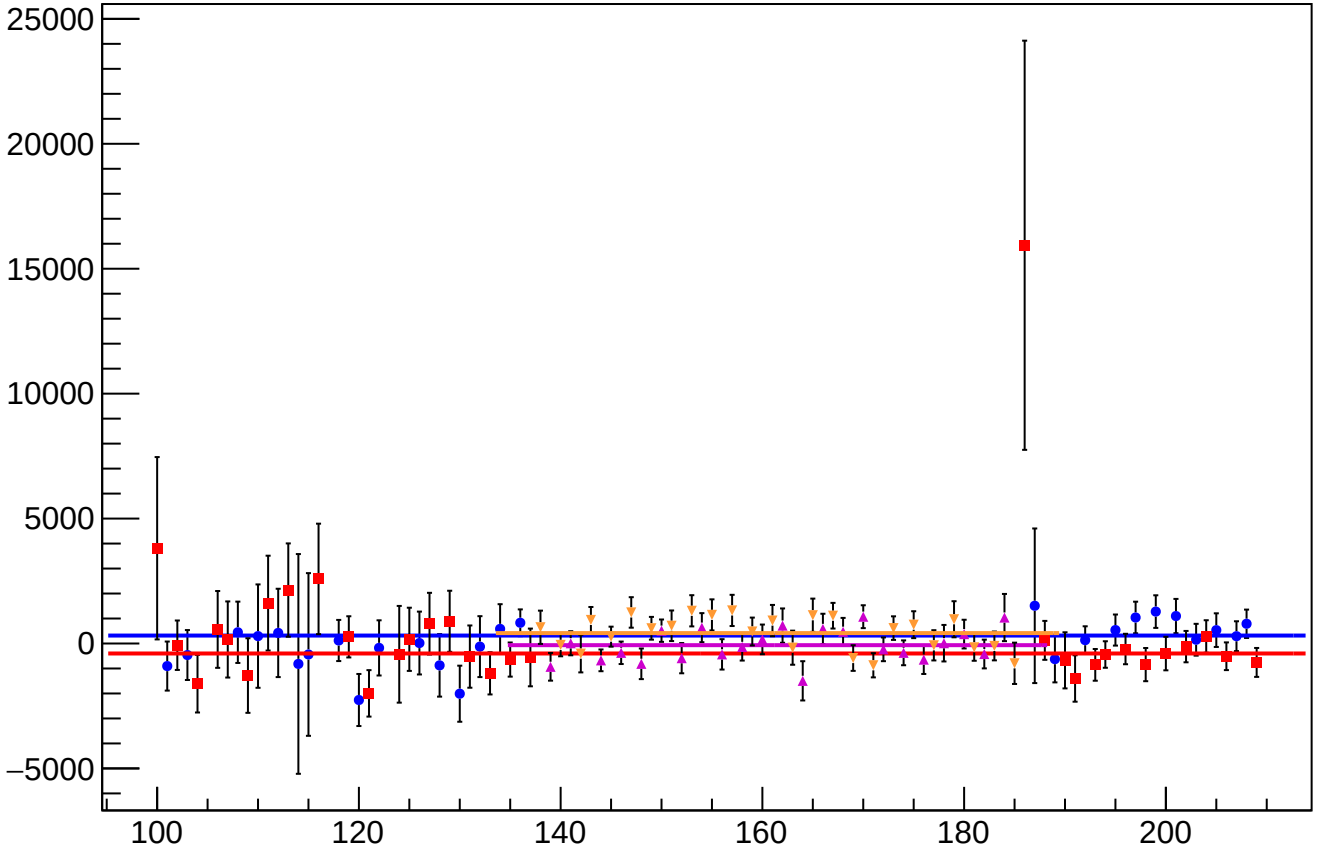
Right: 88.648+/-0.011 χ^2/NDF: 2596380.5/58

In: 87.367+/-0.011 χ^2/NDF:1665813.8/49

Out: 88.282+/-0.010 χ^2/NDF:2153078.5/56

All: 87.835+/-0.008 χ^2/NDF: 3822615.1/106

asym_sam_26_48_dd_reg_correction_mean vs Slug, Sign Corrected



Right In: 318.001+/-161.117 χ^2/NDF: 22.1/26

Left Out: 416.424+/-112.336 χ^2/NDF:32.4/24

Right Out: -399.802+/-154.883 χ^2/NDF: 23.5/31

Left In: -66.675+/-115.419 χ^2/NDF:27.5/22

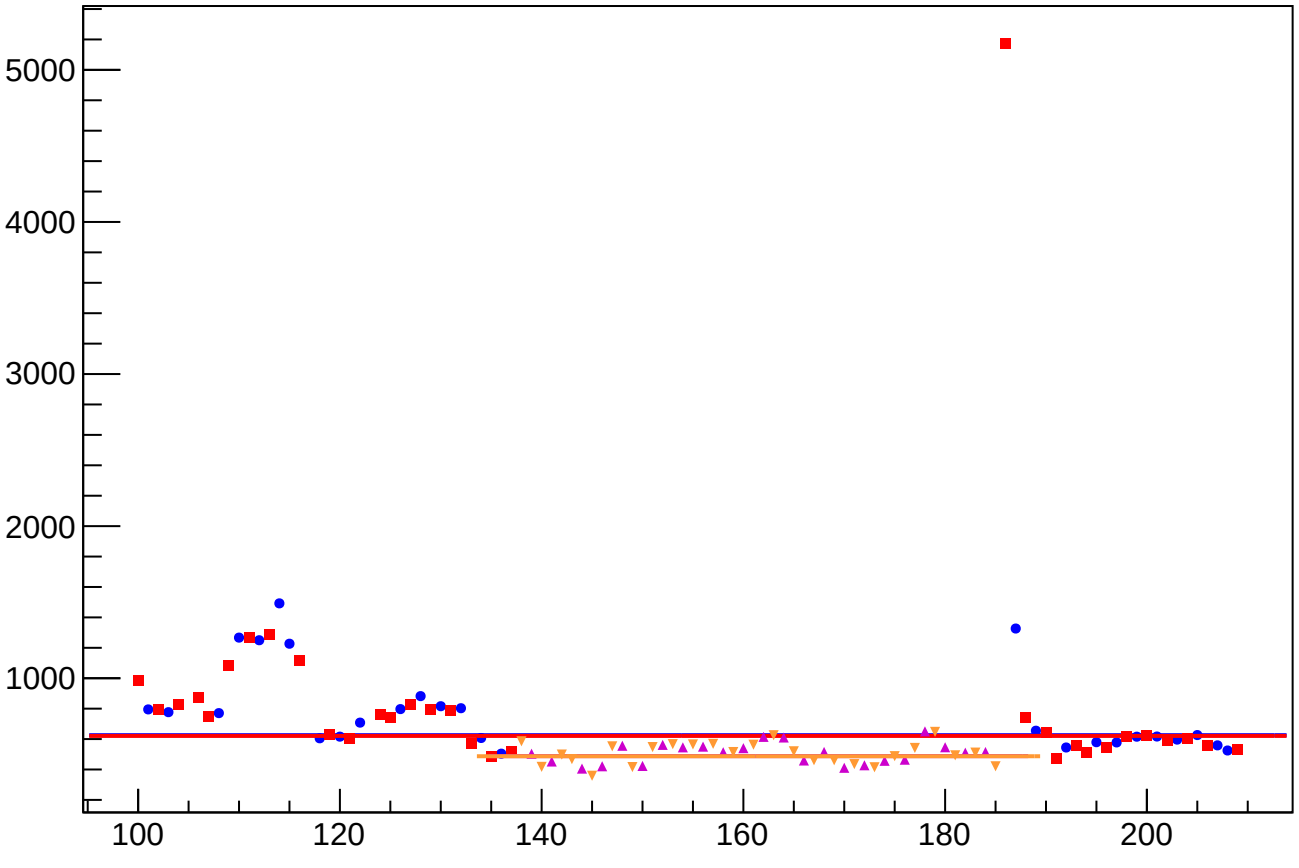
Left: 181.413+/-80.501 χ^2/NDF: 68.9/47

Right: -55.056+/-111.658 χ^2/NDF: 55.9/58

In: 63.784+/-93.828 χ^2/NDF:53.4/49

Out: 135.058+/-90.936 χ^2/NDF:74.2/56

All: 100.536+/-65.300 χ^2/NDF: 127.8/106



Right In: 625.482+/-0.114 χ^2/NDF: 1321474.6/26

Left Out: 487.081+/-0.079 χ^2/NDF:821265.9/24

Right Out: 620.817+/-0.110 χ^2/NDF: 2201831.2/31

Left In: 487.930+/-0.082 χ^2/NDF:634269.5/22

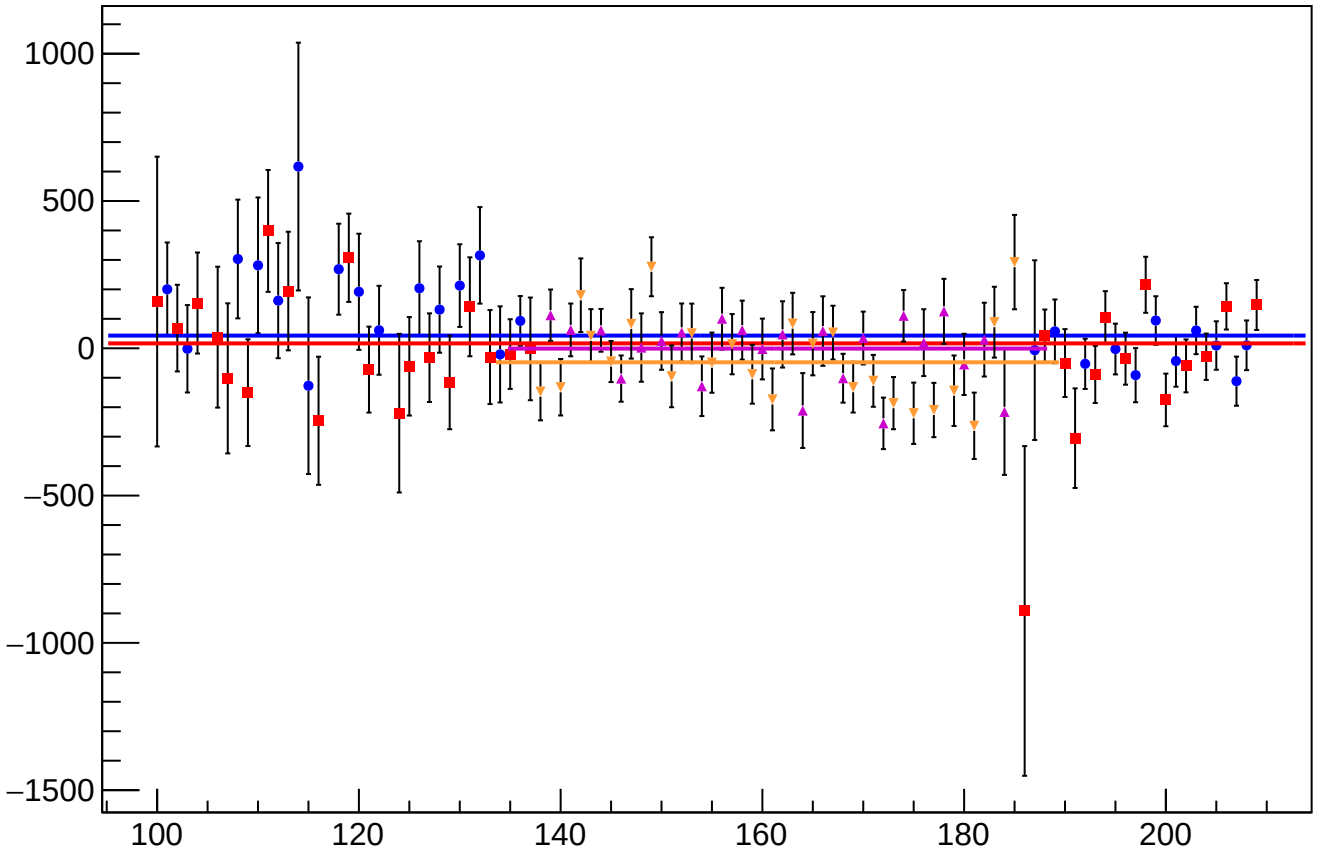
Left: 487.494+/-0.057 χ^2/NDF: 1455591.1/47

Right: 623.058+/-0.079 χ^2/NDF: 3524177.0/58

In: 534.580+/-0.066 χ^2/NDF:2919102.3/49

Out: 533.182+/-0.064 χ^2/NDF:4000232.9/56

All: 533.859+/-0.046 χ^2/NDF: 6919564.1/106



Right In: 43.073+/-22.434 χ^2/NDF: 24.1/26

Left Out: -47.532+/-19.983 χ^2/NDF:44.0/24

Right Out: 16.658+/-22.138 χ^2/NDF: 38.3/31

Left In: -0.988+/-20.604 χ^2/NDF:25.5/22

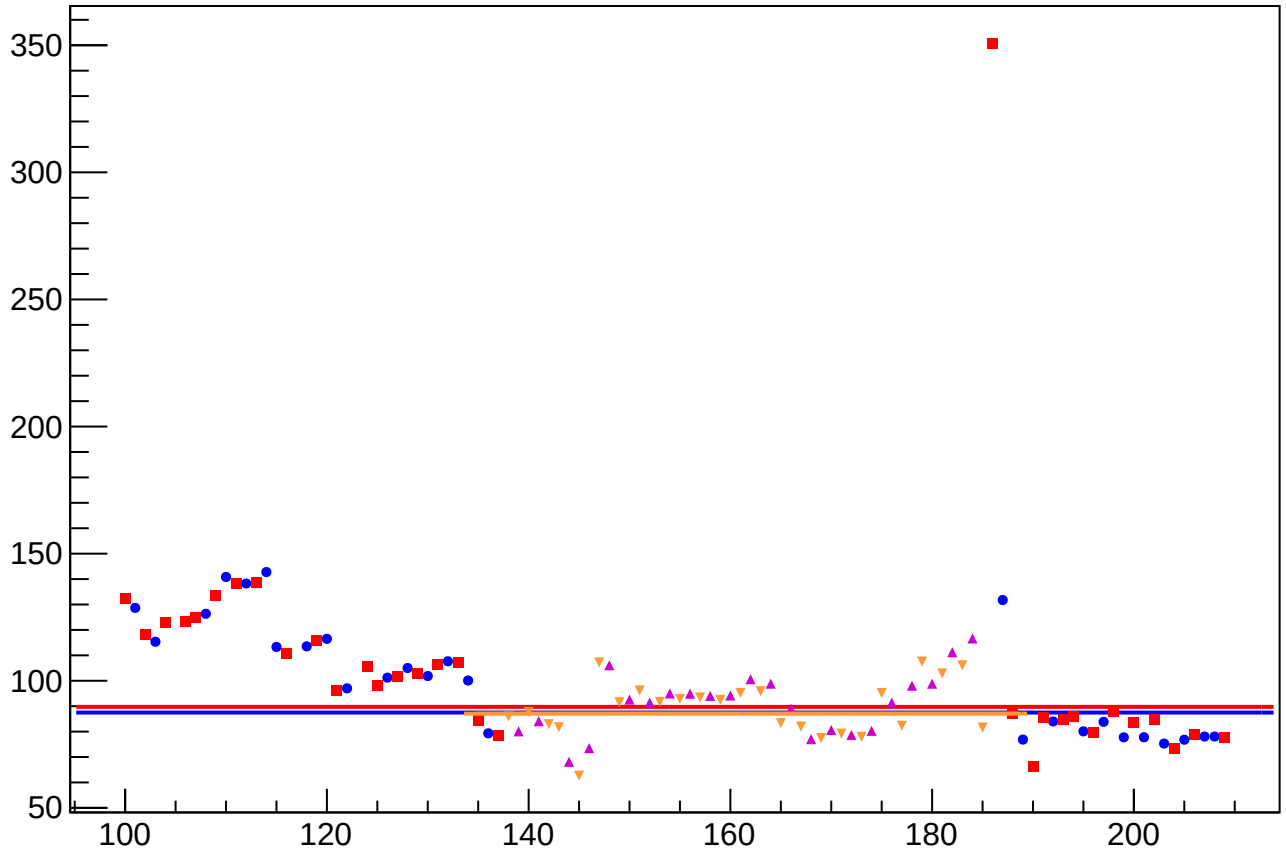
Left: -24.971+/-14.345 χ^2/NDF: 72.1/47

Right: 29.690+/-15.757 χ^2/NDF: 63.1/58

In: 19.172+/-15.175 χ^2/NDF:51.6/49

Out: -18.712+/-14.834 χ^2/NDF:86.9/56

All: -0.201+/-10.607 χ^2/NDF: 141.8/106



Right In: 87.497+/-0.016 χ^2/NDF: 1069896.1/26

Left Out: 87.072+/-0.014 χ^2/NDF:620626.5/24

Right Out: 89.732+/-0.016 χ^2/NDF: 1507611.0/31

Left In: 87.257+/-0.015 χ^2/NDF:595793.1/22

Left: 87.161+/-0.010 χ^2/NDF: 1216502.6/47

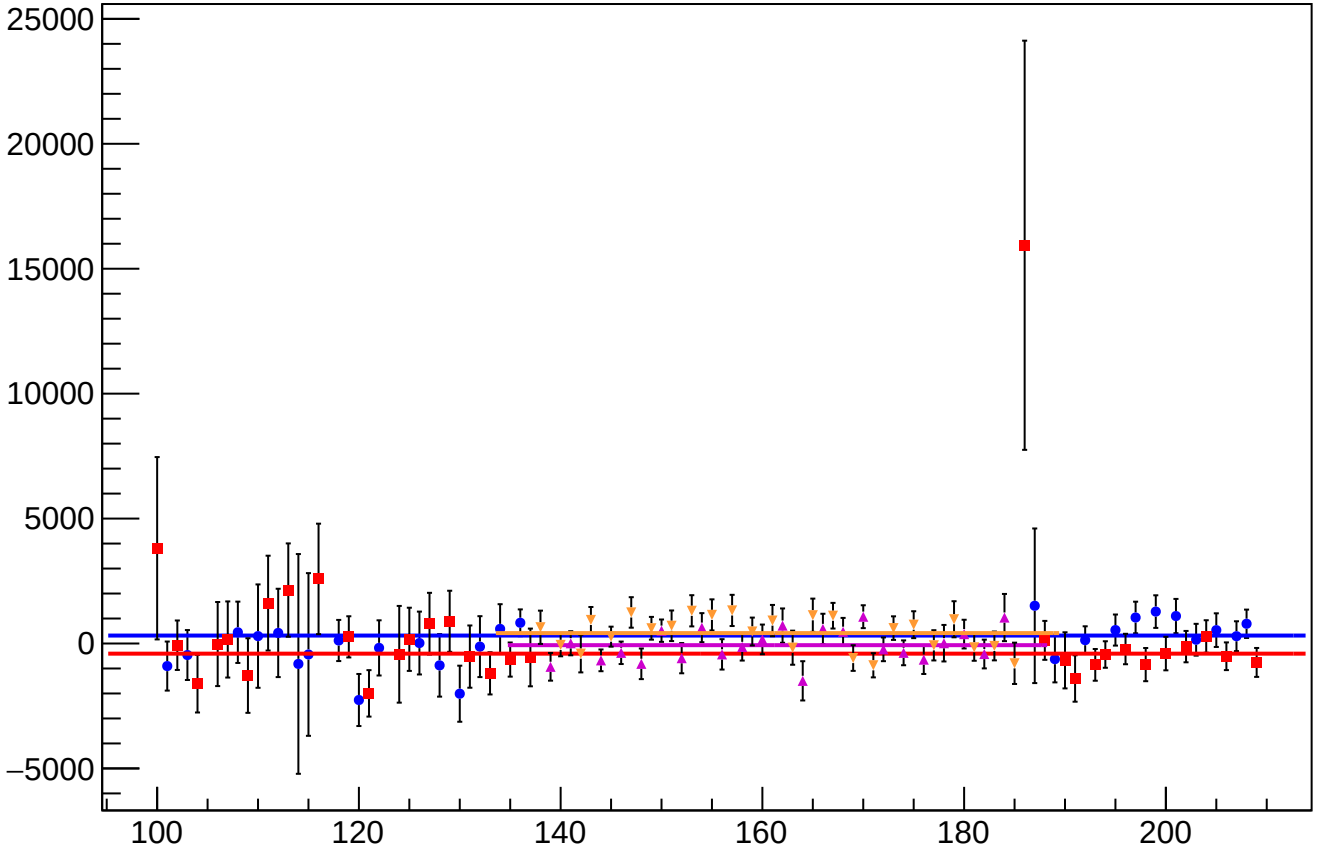
Right: 88.630+/-0.011 χ^2/NDF: 2587559.8/58

In: 87.367+/-0.011 χ^2/NDF:1665814.2/49

Out: 88.266+/-0.010 χ^2/NDF:2144150.4/56

All: 87.827+/-0.008 χ^2/NDF: 3813556.8/106

asym_sam_26_48_dd_cor_correction_mean vs Slug, Sign Corrected



Right In: 317.999+/-161.117 χ^2/NDF: 22.1/26

Left Out: 416.416+/-112.336 χ^2/NDF:32.4/24

Right Out: -406.381+/-155.015 χ^2/NDF: 23.2/31

Left In: -66.674+/-115.419 χ^2/NDF:27.5/22

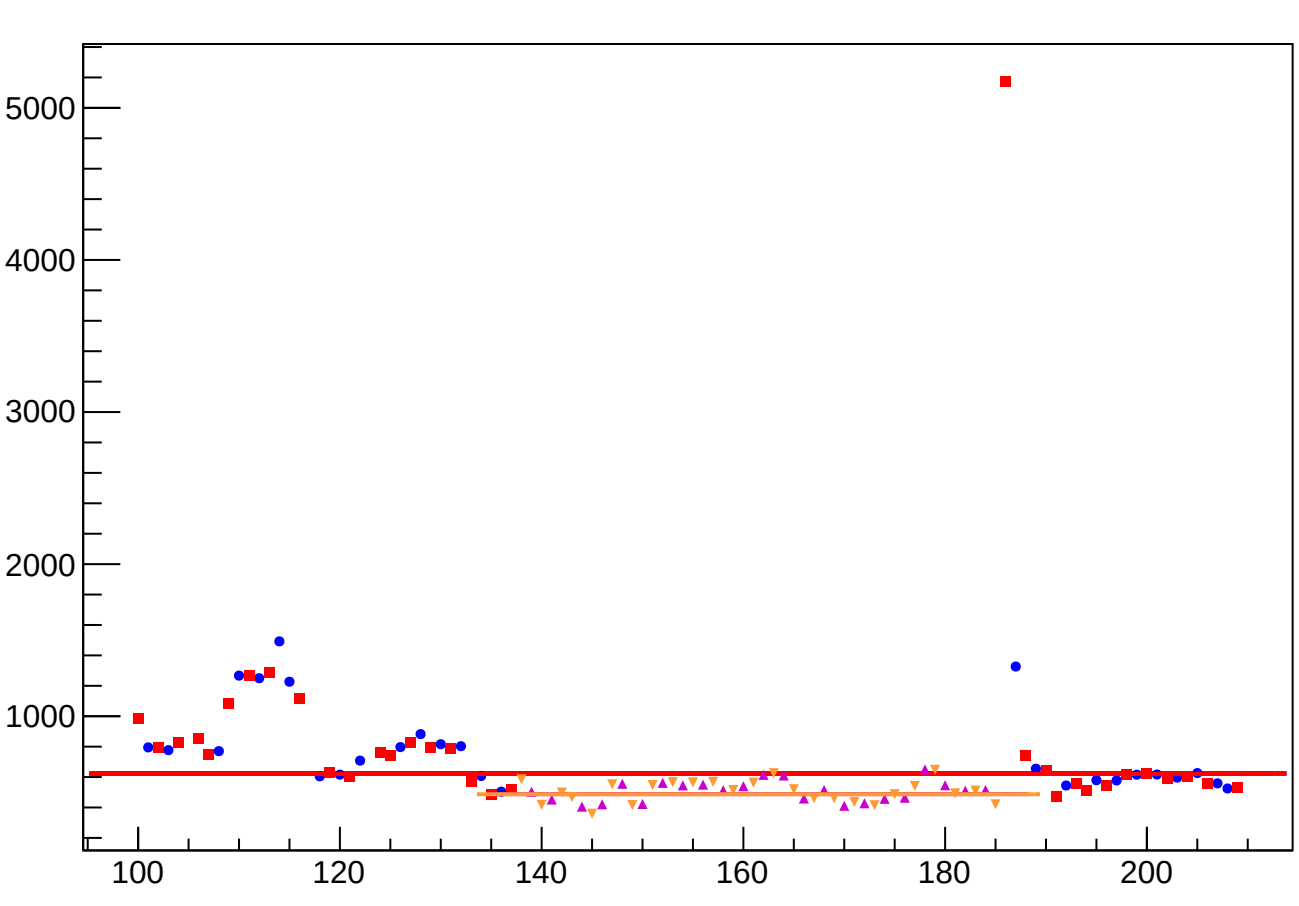
Left: 181.409+/-80.501 χ^2/NDF: 68.9/47

Right: -58.168+/-111.707 χ^2/NDF: 55.8/58

In: 63.784+/-93.828 χ^2/NDF:53.4/49

Out: 133.102+/-90.962 χ^2/NDF:74.1/56

All: 99.518+/-65.310 χ^2/NDF: 127.7/106



Right In: 625.482+/-0.114 χ^2/NDF: 1321486.8/26

Left Out: 487.081+/-0.079 χ^2/NDF:821261.6/24

Right Out: 620.224+/-0.110 χ^2/NDF: 2186089.4/31

Left In: 487.930+/-0.082 χ^2/NDF:634273.3/22

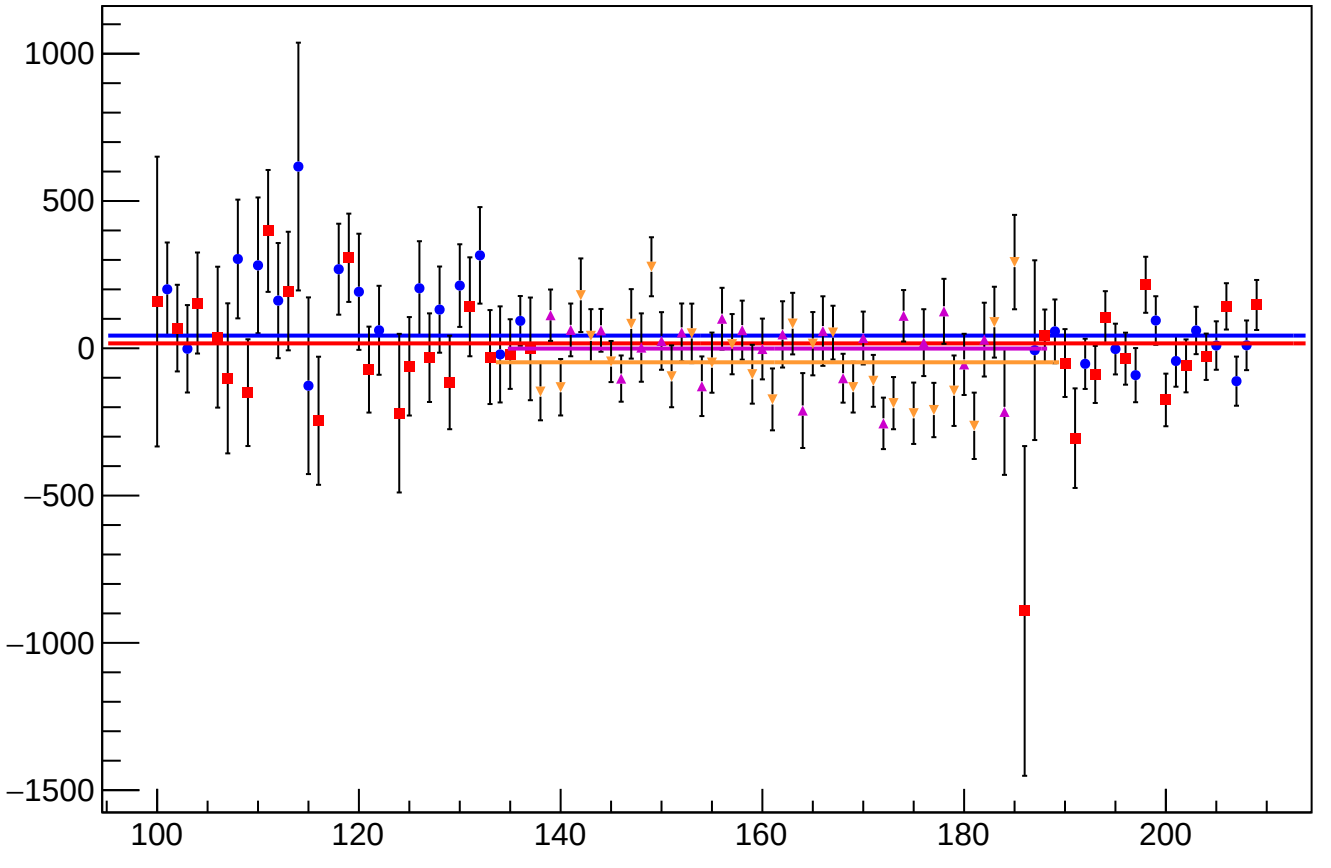
Left: 487.494+/-0.057 χ^2/NDF: 1455590.6/47

Right: 622.752+/-0.079 χ^2/NDF: 3508682.2/58

In: 534.580+/-0.066 χ^2/NDF:2919118.8/49

Out: 532.926+/-0.064 χ^2/NDF:3974751.7/56

All: 533.727+/-0.046 χ^2/NDF: 6894190.7/106



Right In: 43.073+/-22.434 χ^2/NDF: 24.1/26

Left Out: -47.532+/-19.983 χ^2/NDF:44.0/24

Right Out: 16.658+/-22.138 χ^2/NDF: 38.3/31

Left In: -0.988+/-20.604 χ^2/NDF:25.5/22

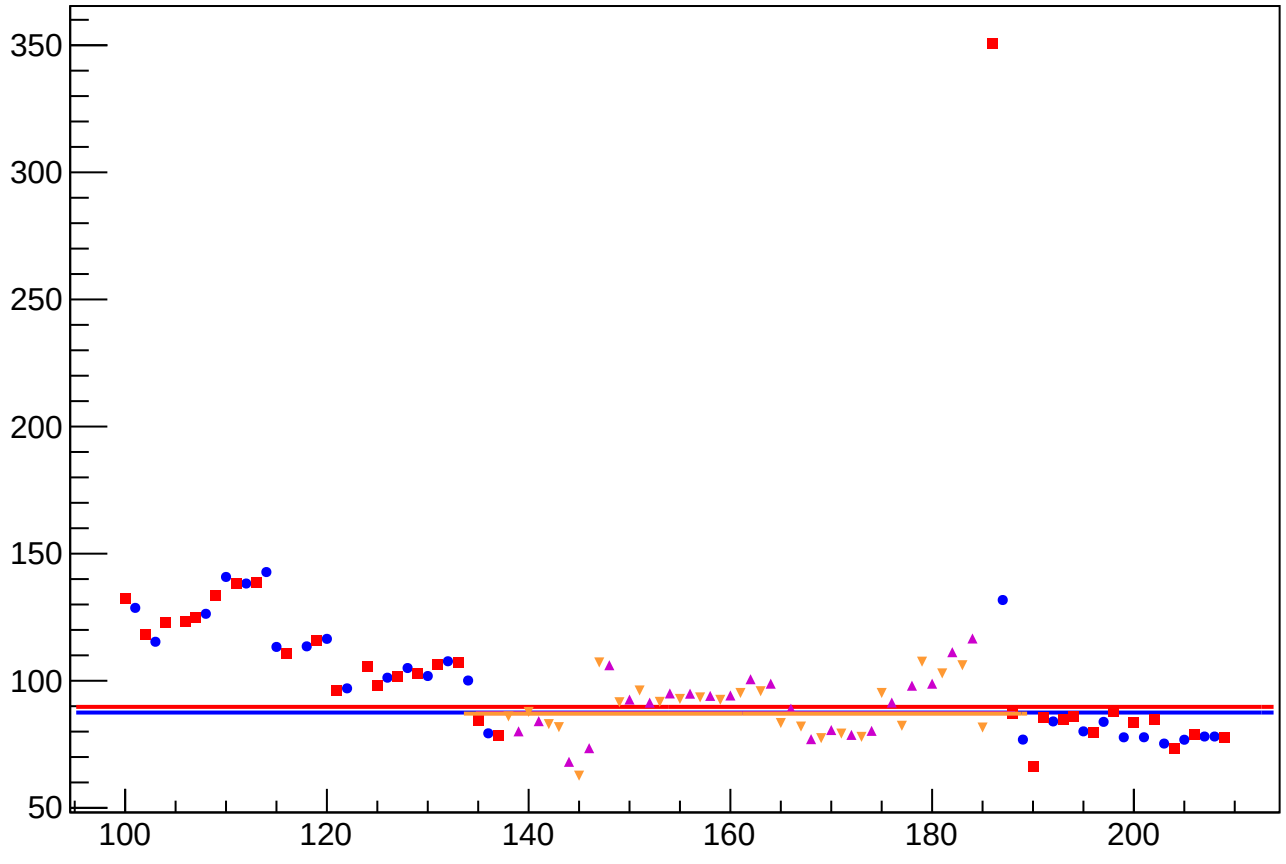
Left: -24.971+/-14.345 χ^2/NDF: 72.1/47

Right: 29.690+/-15.757 χ^2/NDF: 63.1/58

In: 19.172+/-15.175 χ^2/NDF:51.6/49

Out: -18.712+/-14.834 χ^2/NDF:86.9/56

All: -0.201+/-10.607 χ^2/NDF: 141.8/106



Right In: 87.497+/-0.016 χ^2/NDF: 1069896.1/26

Left Out: 87.072+/-0.014 χ^2/NDF:620626.5/24

Right Out: 89.732+/-0.016 χ^2/NDF: 1507611.0/31

Left In: 87.257+/-0.015 χ^2/NDF:595793.1/22

Left: 87.161+/-0.010 χ^2/NDF: 1216502.6/47

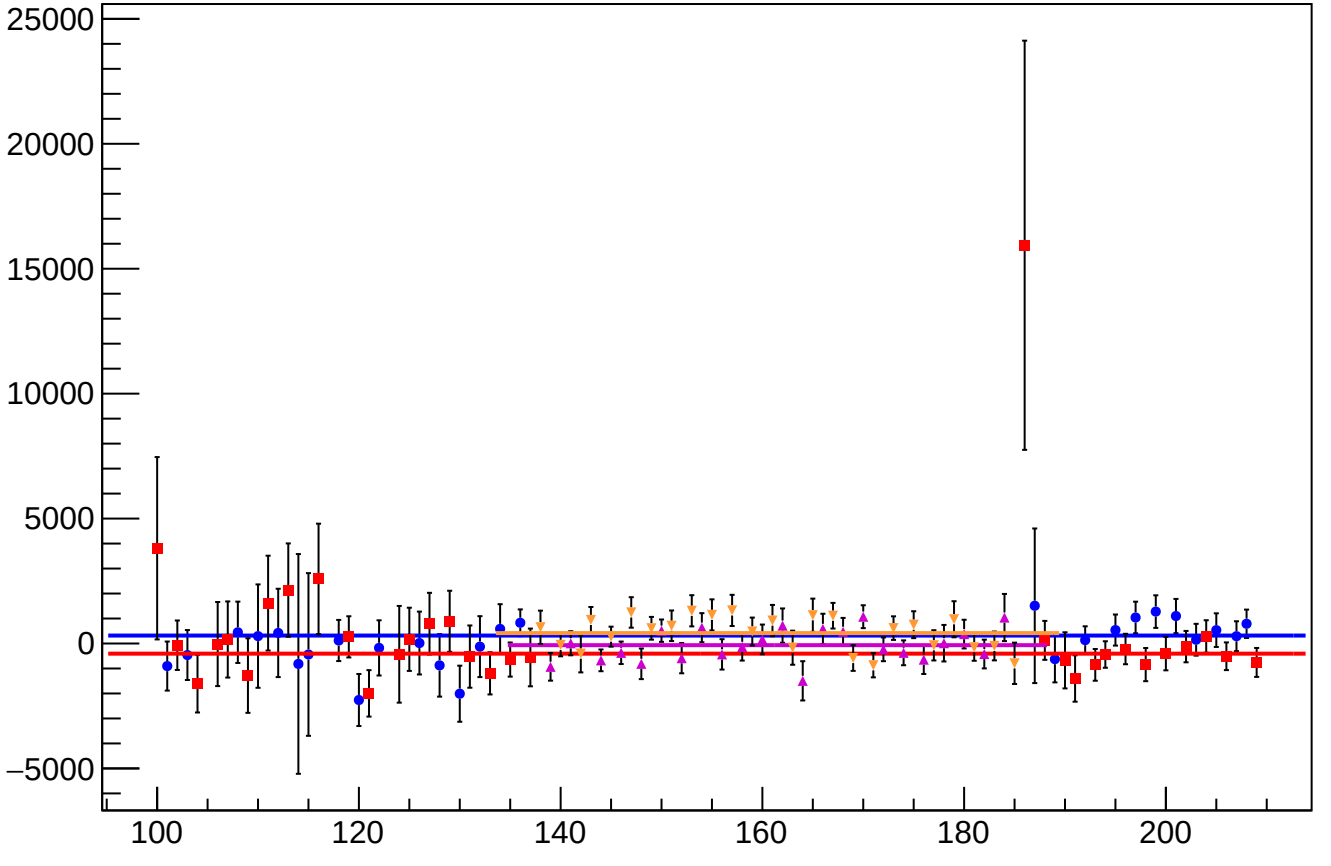
Right: 88.630+/-0.011 χ^2/NDF: 2587559.8/58

In: 87.367+/-0.011 χ^2/NDF:1665814.2/49

Out: 88.266+/-0.010 χ^2/NDF:2144150.4/56

All: 87.827+/-0.008 χ^2/NDF: 3813556.8/106

asym_sam_26_48_dd_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: 317.999+/-161.117 χ^2/NDF: 22.1/26

Left Out: 416.416+/-112.336 χ^2/NDF:32.4/24

Right Out: -406.381+/-155.015 χ^2/NDF: 23.2/31

Left In: -66.674+/-115.419 χ^2/NDF:27.5/22

Left: 181.409+/-80.501 χ^2/NDF: 68.9/47

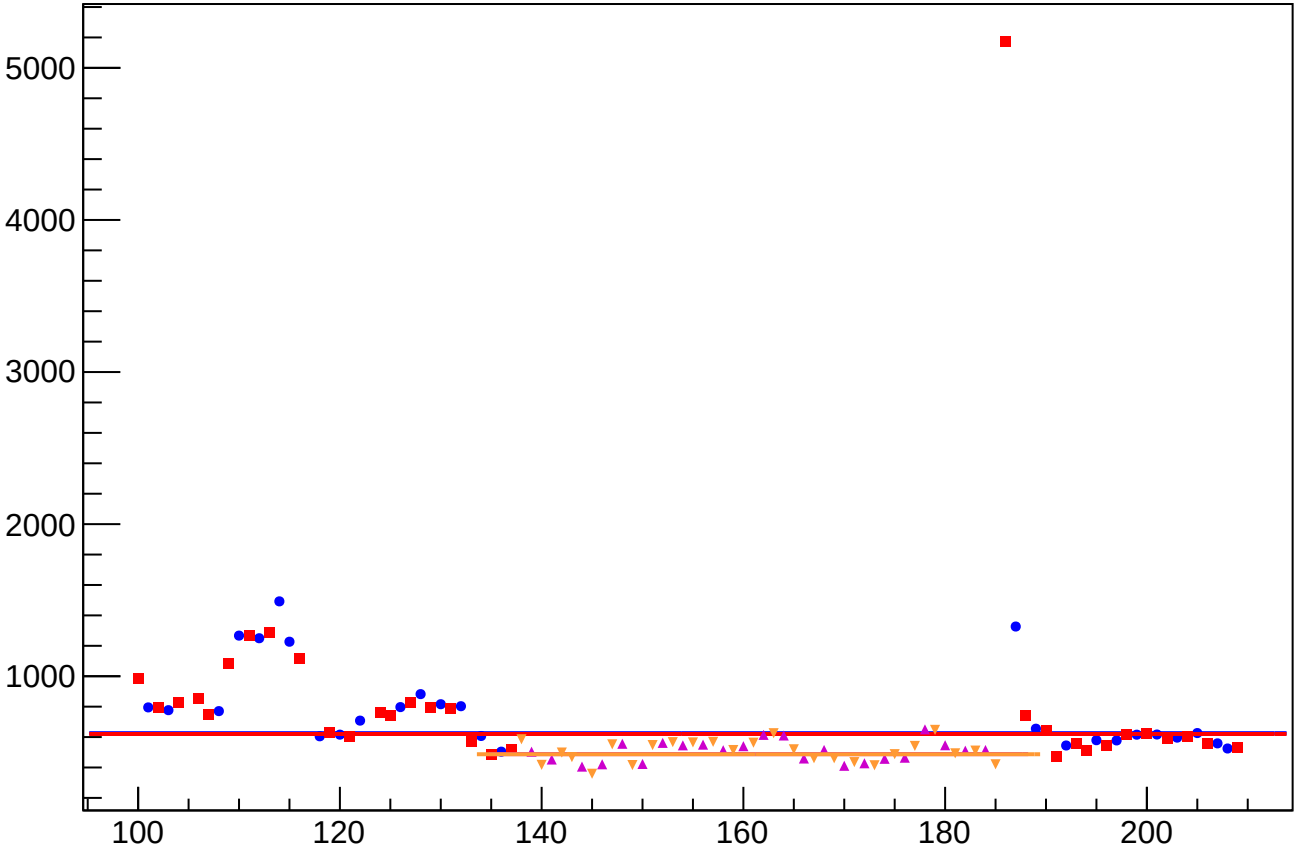
Right: -58.168+/-111.707 χ^2/NDF: 55.8/58

In: 63.784+/-93.828 χ^2/NDF:53.4/49

Out: 133.102+/-90.962 χ^2/NDF:74.1/56

All: 99.518+/-65.310 χ^2/NDF: 127.7/106

asym_sam_26_48_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 625.482+/-0.114 χ^2/NDF: 1321486.8/26

Left Out: 487.081+/-0.079 χ^2/NDF:821261.6/24

Right Out: 620.224+/-0.110 χ^2/NDF: 2186089.4/31

Left In: 487.930+/-0.082 χ^2/NDF:634273.3/22

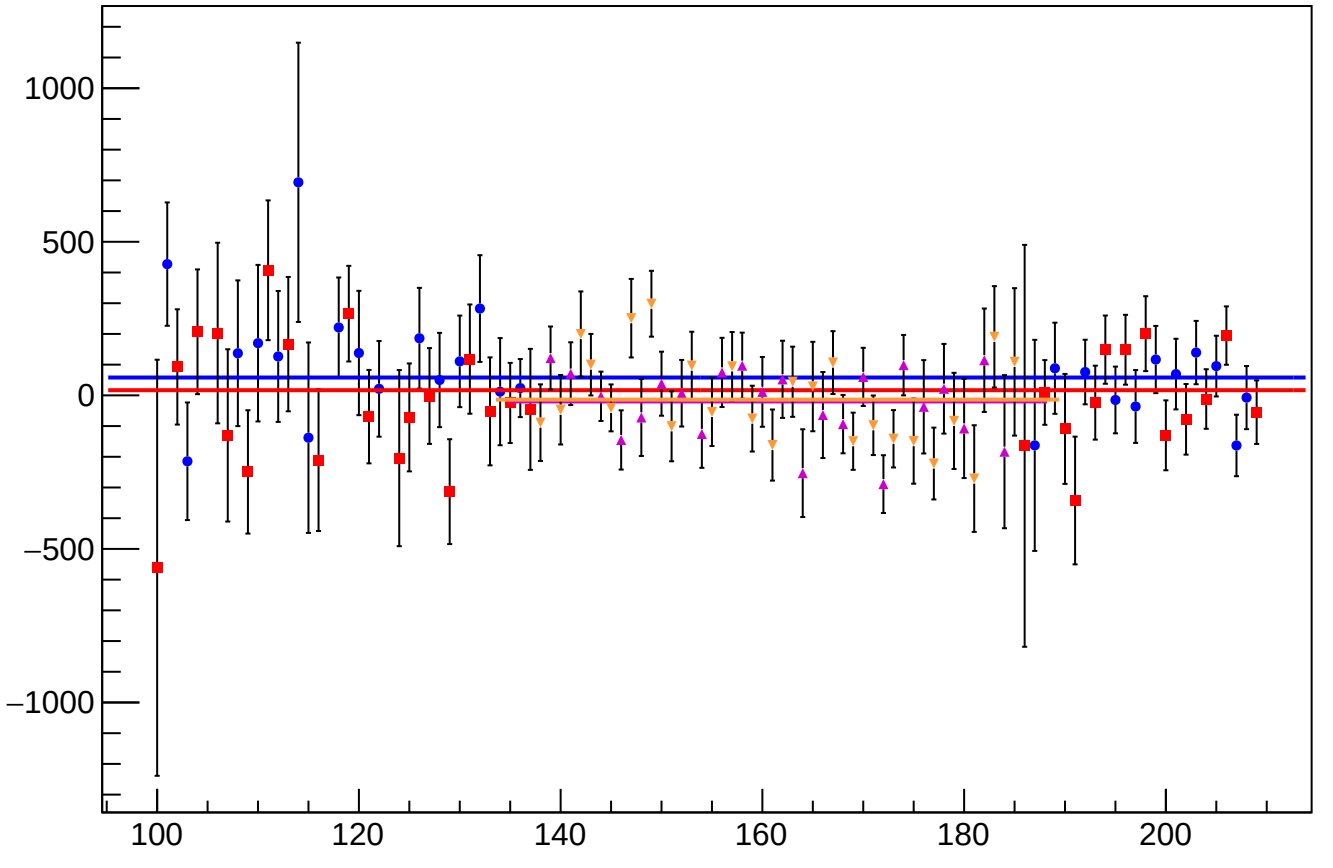
Left: 487.494+/-0.057 χ^2/NDF: 1455590.6/47

Right: 622.752+/-0.079 χ^2/NDF: 3508682.2/58

In: 534.580+/-0.066 χ^2/NDF:2919118.8/49

Out: 532.926+/-0.064 χ^2/NDF:3974751.7/56

All: 533.727+/-0.046 χ^2/NDF: 6894190.7/106



Right In: 58.059+/-26.937 χ^2/NDF: 19.9/26

Left Out: -13.904+/-22.916 χ^2/NDF:36.4/24

Right Out: 16.798+/-26.534 χ^2/NDF: 31.9/31

Left In: -19.805+/-23.571 χ^2/NDF:23.3/22

Left: -16.771+/-16.431 χ^2/NDF: 59.7/47

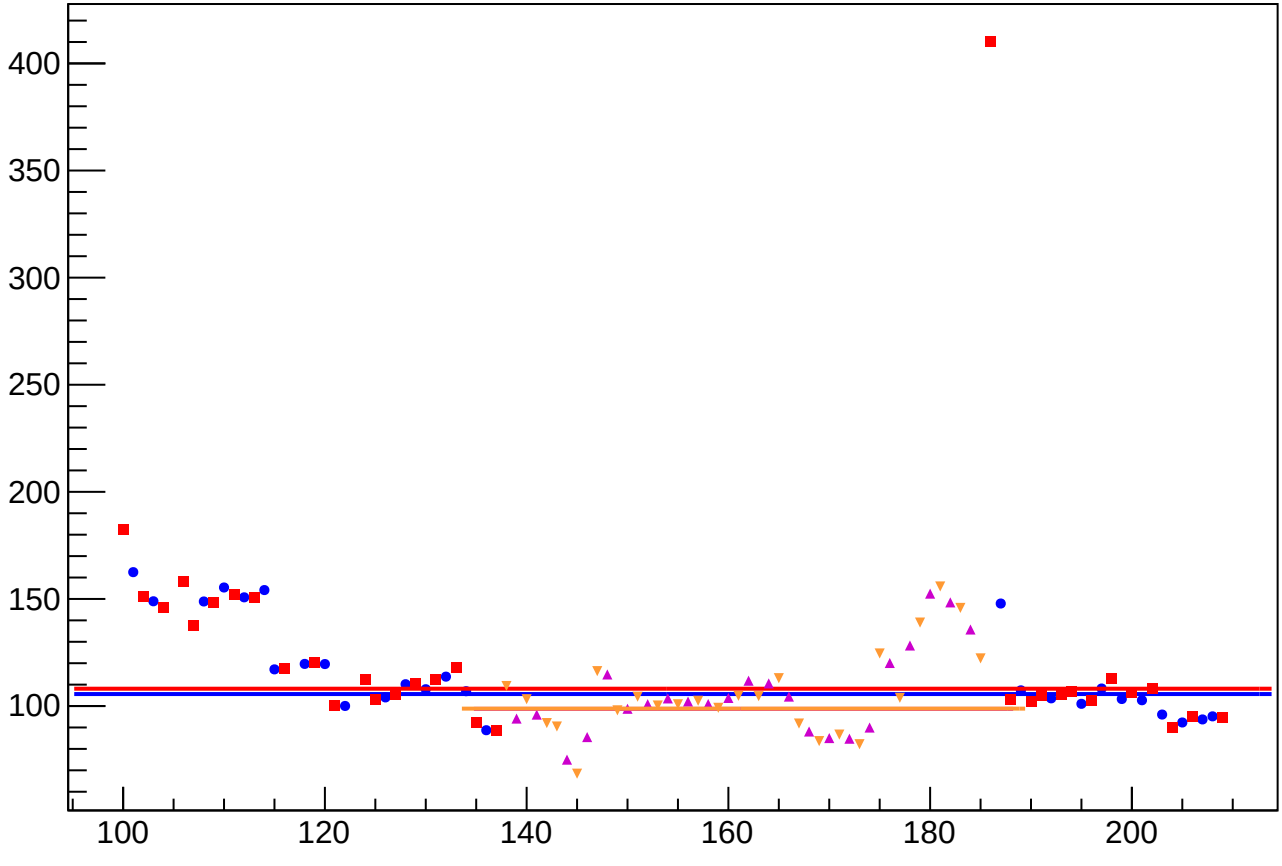
Right: 37.117+/-18.903 χ^2/NDF: 53.0/58

In: 13.961+/-17.739 χ^2/NDF:47.9/49

Out: -0.787+/-17.343 χ^2/NDF:69.0/56

All: 6.420+/-12.401 χ^2/NDF: 117.3/106

dit_asym_sam_26_48_dd_rms vs Slug, Sign Corrected



Right In: 105.602+/-0.019 χ^2/NDF: 758185.2/26

Left Out: 98.799+/-0.016 χ^2/NDF:1185806.0/24

Right Out: 108.098+/-0.019 χ^2/NDF: 1174114.4/31

Left In: 98.673+/-0.017 χ^2/NDF:987817.0/22

Left: 98.738+/-0.012 χ^2/NDF: 2173652.3/47

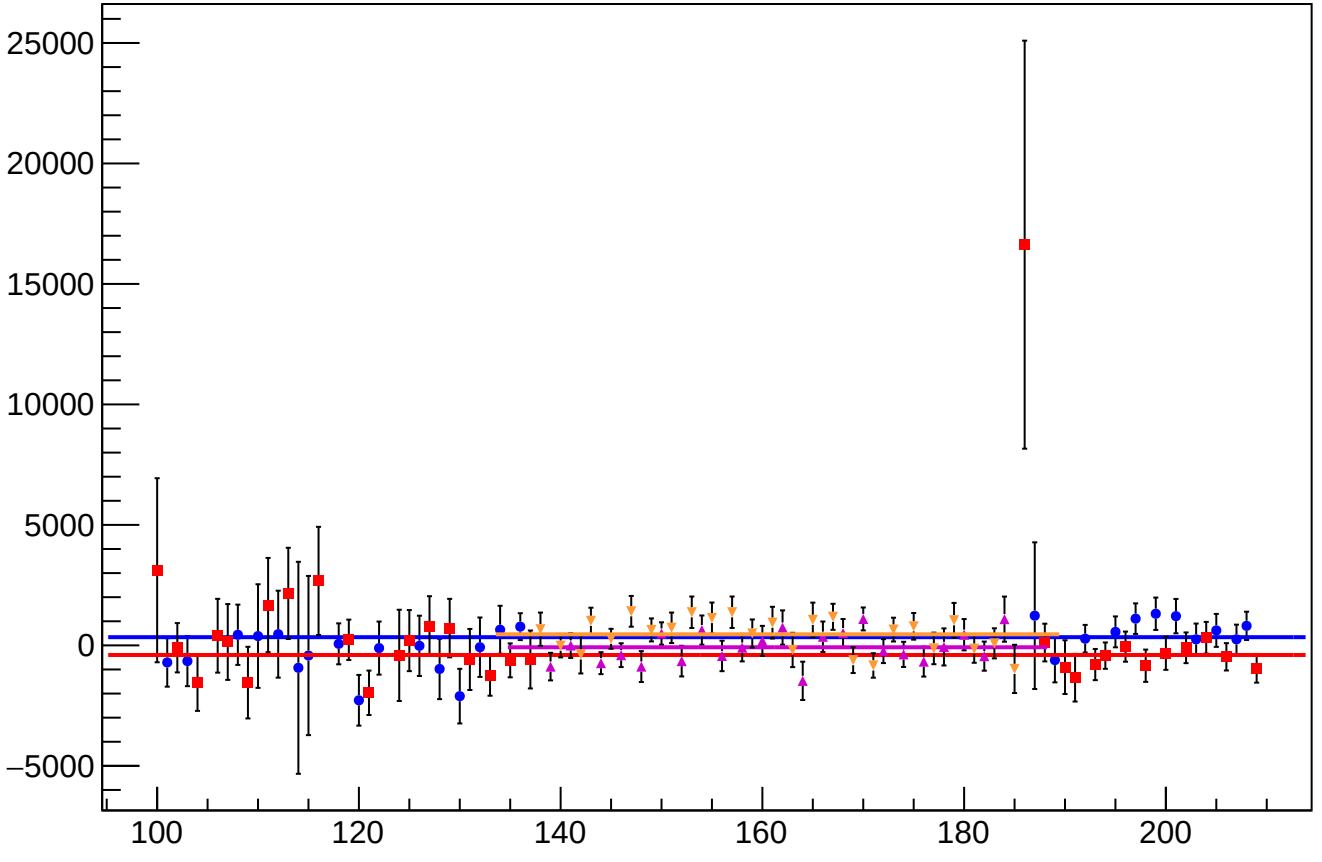
Right: 106.869+/-0.013 χ^2/NDF: 1941016.6/58

In: 101.678+/-0.013 χ^2/NDF:1820952.0/49

Out: 102.772+/-0.012 χ^2/NDF:2500631.7/56

All: 102.237+/-0.009 χ^2/NDF: 4325473.5/106

asym_sam_26_48_dd_dit_correction_mean vs Slug, Sign Corrected



Right In: 340.252+/-164.991 χ^2/NDF: 22.5/26

Left Out: 459.094+/-118.111 χ^2/NDF:30.8/24

Right Out: -399.130+/-157.767 χ^2/NDF: 23.4/31

Left In: -78.791+/-121.436 χ^2/NDF:26.2/22

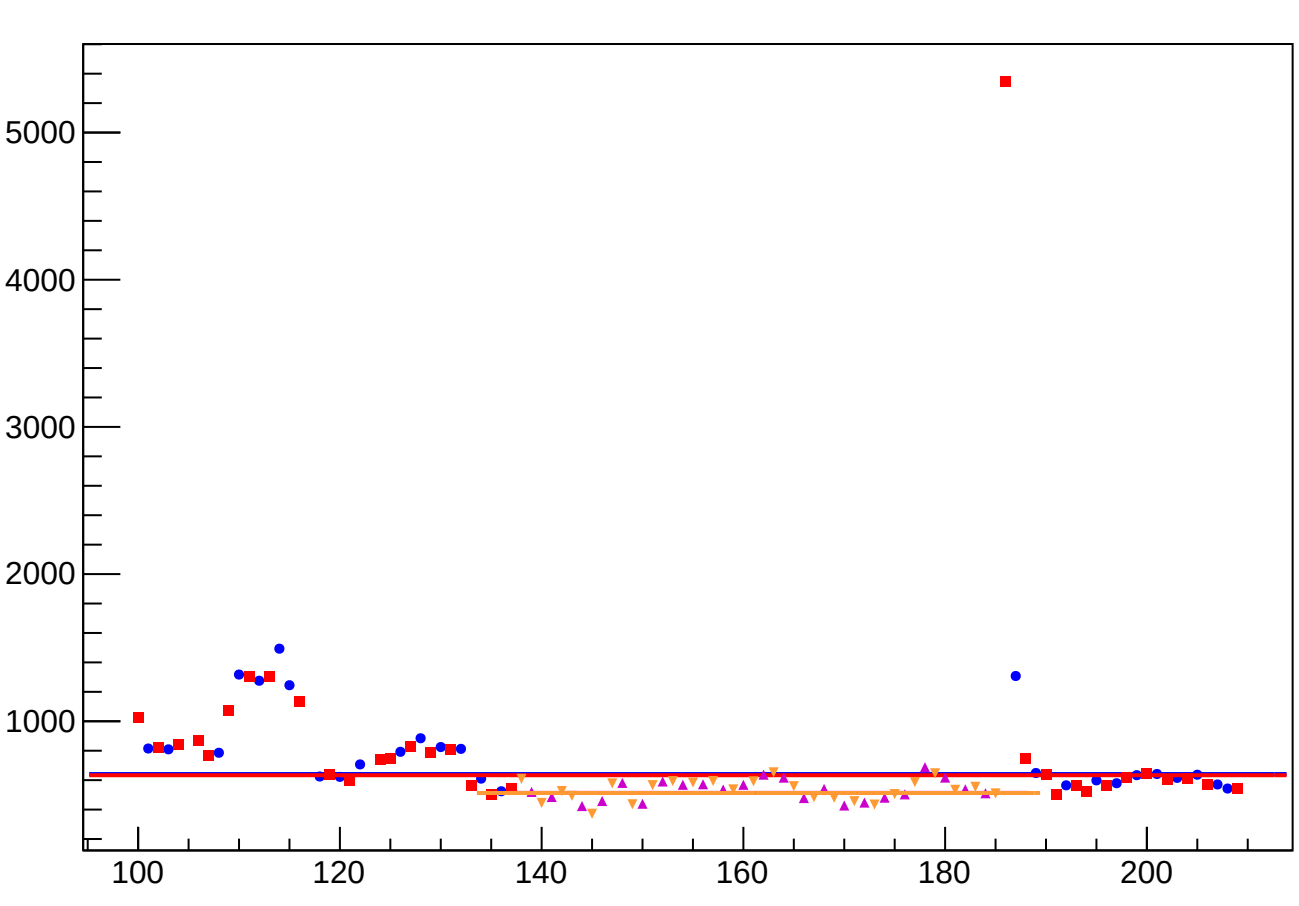
Left: 197.616+/-84.668 χ^2/NDF: 67.1/47

Right: -45.978+/-114.027 χ^2/NDF: 56.3/58

In: 68.451+/-97.802 χ^2/NDF:52.9/49

Out: 150.849+/-94.551 χ^2/NDF:73.1/56

All: 111.042+/-67.978 χ^2/NDF: 126.3/106



Right In: 641.338+/-0.117 χ^2/NDF: 1265128.9/26

Left Out: 512.768+/-0.084 χ^2/NDF:799239.4/24

Right Out: 633.365+/-0.112 χ^2/NDF: 2127417.0/31

Left In: 513.375+/-0.086 χ^2/NDF:634000.2/22

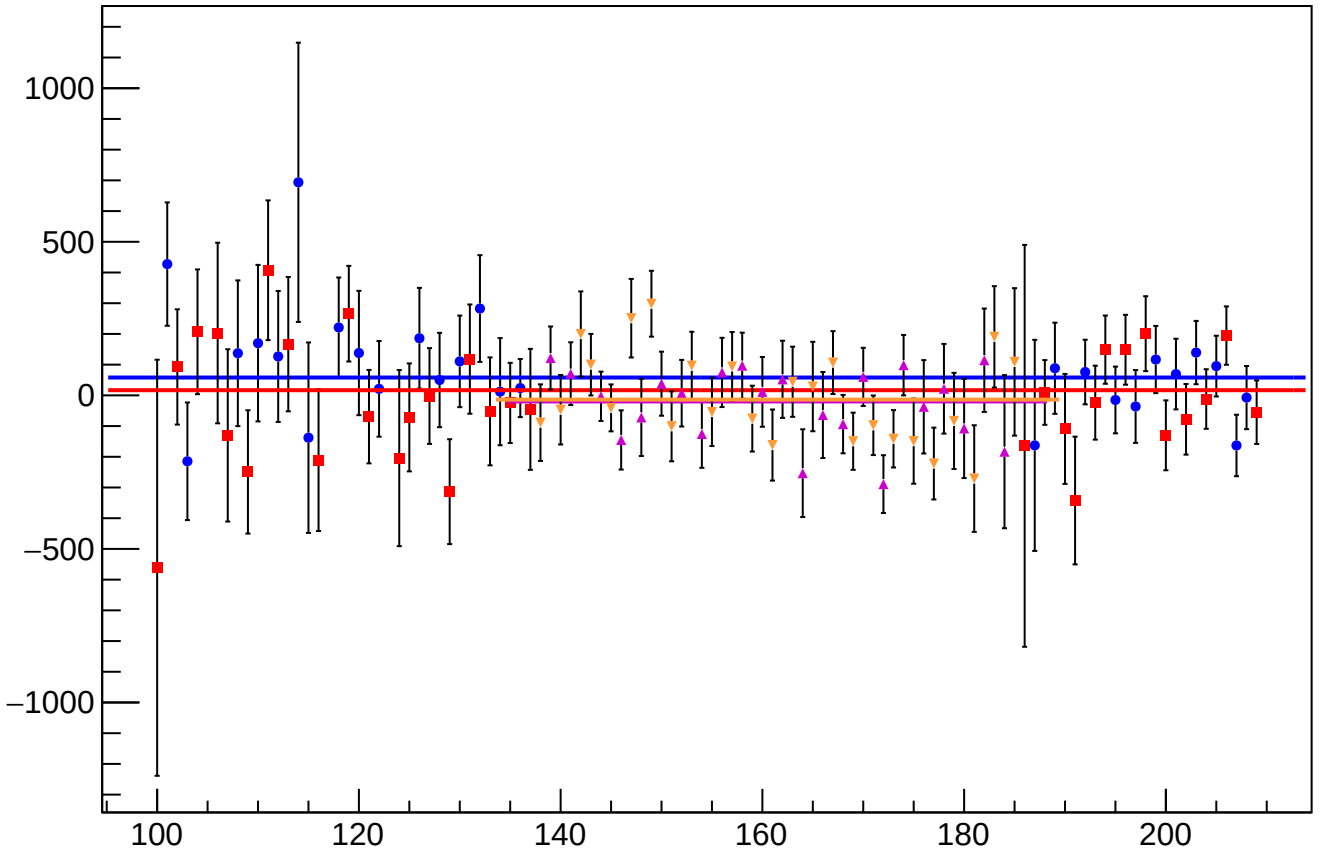
Left: 513.063+/-0.060 χ^2/NDF: 1433265.3/47

Right: 637.173+/-0.081 χ^2/NDF: 3394985.4/58

In: 558.338+/-0.069 χ^2/NDF:2679454.0/49

Out: 556.083+/-0.067 χ^2/NDF:3675538.4/56

All: 557.172+/-0.048 χ^2/NDF: 6355542.1/106



Right In: 58.058+/-26.937 χ^2/NDF: 19.9/26

Left Out: -13.906+/-22.916 χ^2/NDF:36.4/24

Right Out: 16.799+/-26.534 χ^2/NDF: 31.9/31

Left In: -19.805+/-23.571 χ^2/NDF:23.3/22

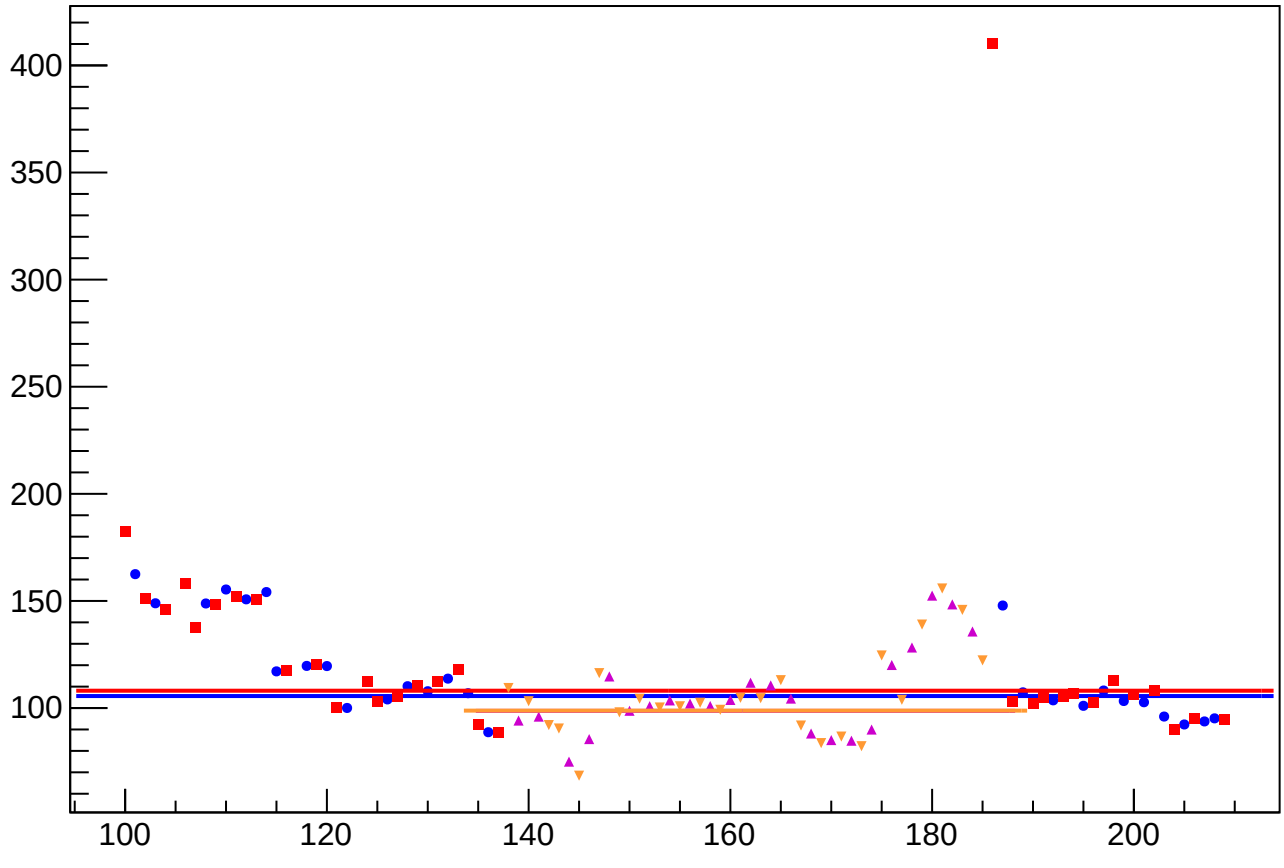
Left: -16.773+/-16.431 χ^2/NDF: 59.7/47

Right: 37.117+/-18.903 χ^2/NDF: 53.0/58

In: 13.960+/-17.739 χ^2/NDF:47.9/49

Out: -0.788+/-17.343 χ^2/NDF:69.0/56

All: 6.420+/-12.401 χ^2/NDF: 117.3/106



Right In: 105.602+/-0.019 χ^2/NDF: 758175.8/26

Left Out: 98.799+/-0.016 χ^2/NDF:1185809.9/24

Right Out: 108.098+/-0.019 χ^2/NDF: 1174101.5/31

Left In: 98.673+/-0.017 χ^2/NDF:987808.4/22

Left: 98.737+/-0.012 χ^2/NDF: 2173647.6/47

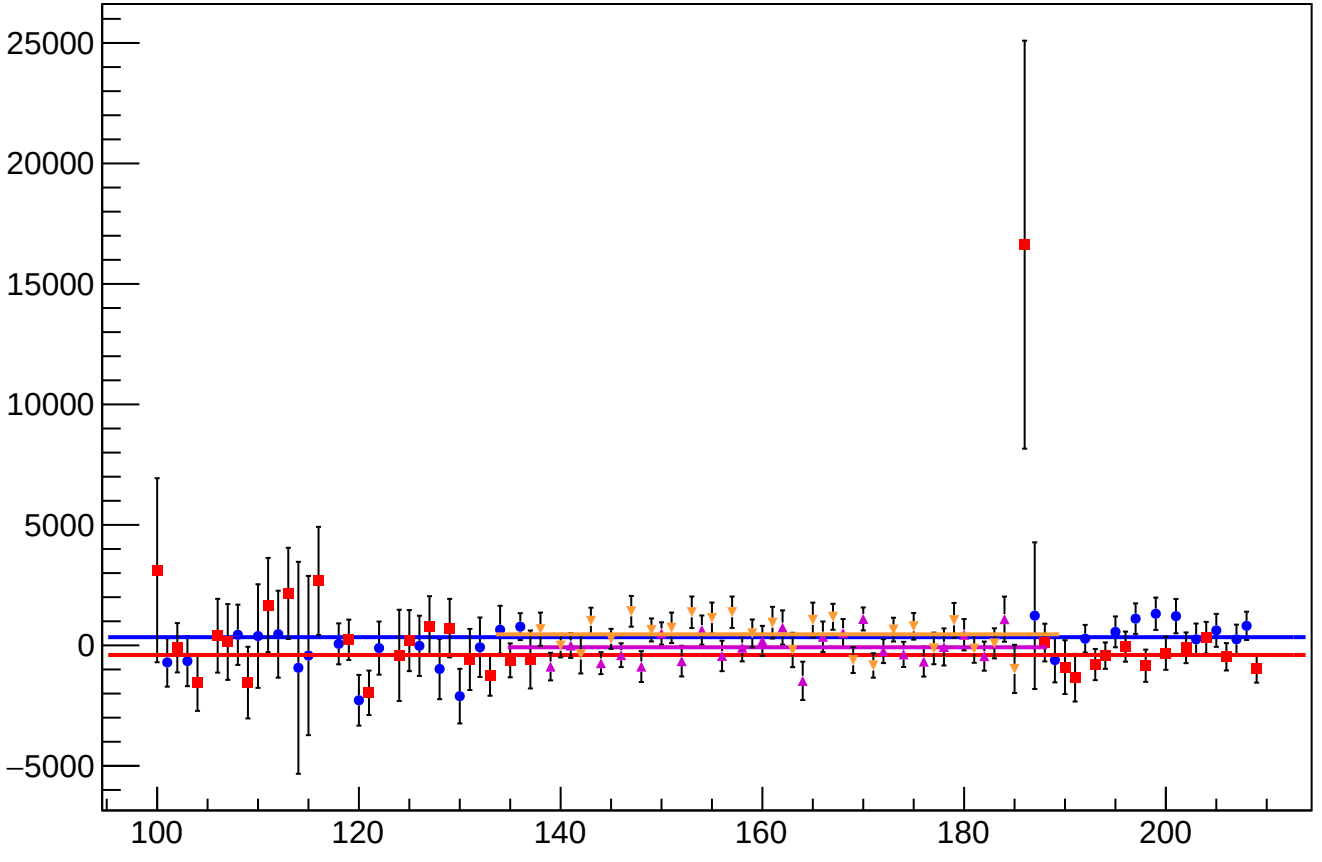
Right: 106.869+/-0.013 χ^2/NDF: 1940994.4/58

In: 101.678+/-0.013 χ^2/NDF:1820935.7/49

Out: 102.772+/-0.012 χ^2/NDF:2500626.5/56

All: 102.237+/-0.009 χ^2/NDF: 4325451.8/106

asym_sam_26_48_dd_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: 340.251+/-164.991 χ^2/NDF: 22.5/26

Left Out: 459.092+/-118.111 χ^2/NDF:30.8/24

Right Out: -399.129+/-157.767 χ^2/NDF: 23.4/31

Left In: -78.791+/-121.436 χ^2/NDF:26.2/22

Left: 197.616+/-84.668 χ^2/NDF: 67.1/47

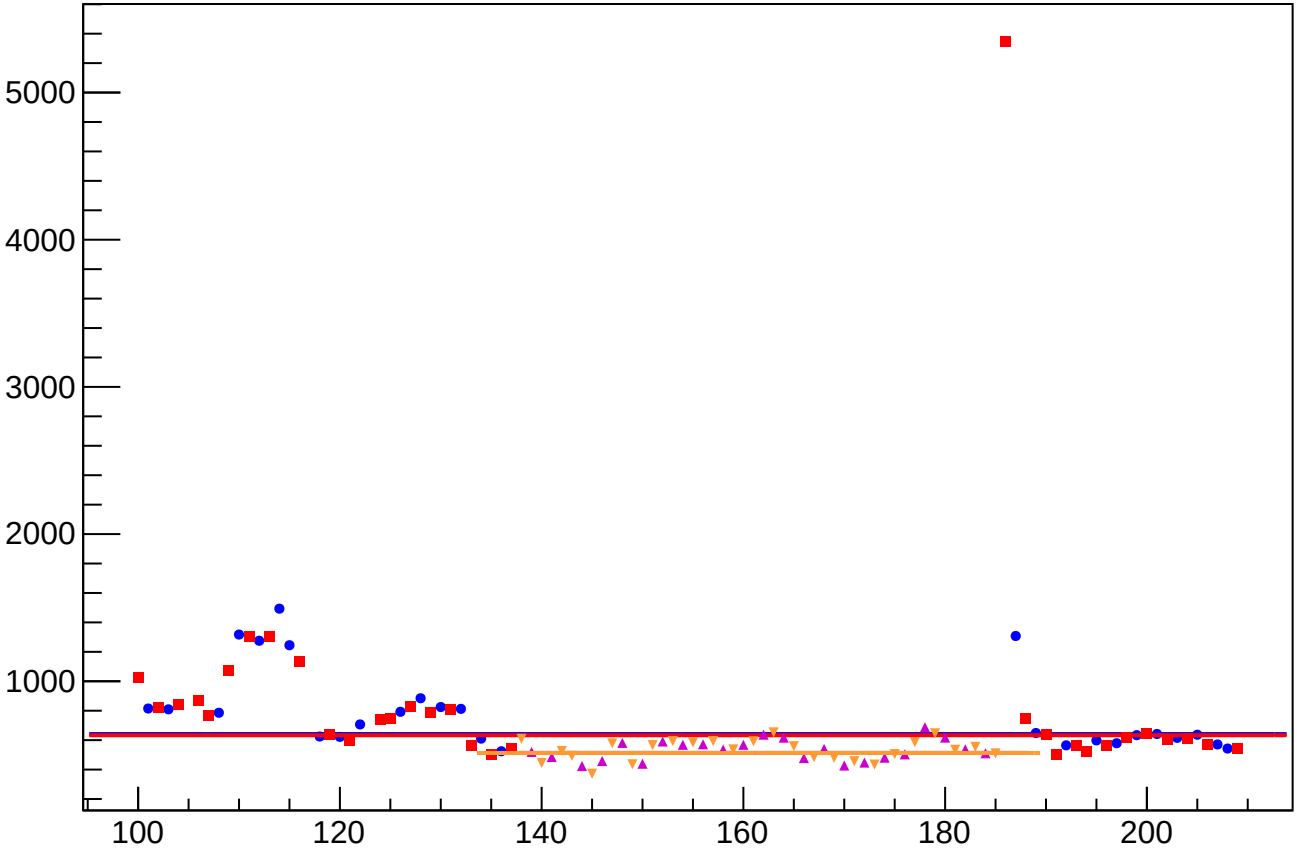
Right: -45.978+/-114.026 χ^2/NDF: 56.3/58

In: 68.451+/-97.801 χ^2/NDF:52.9/49

Out: 150.848+/-94.551 χ^2/NDF:73.1/56

All: 111.042+/-67.978 χ^2/NDF: 126.3/106

asym_sam_26_48_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 641.337+/-0.117 χ^2/NDF: 1265125.5/26

Left Out: 512.768+/-0.084 χ^2/NDF:799239.0/24

Right Out: 633.364+/-0.112 χ^2/NDF: 2127412.4/31

Left In: 513.374+/-0.086 χ^2/NDF:633997.9/22

Left: 513.063+/-0.060 χ^2/NDF: 1433262.5/47

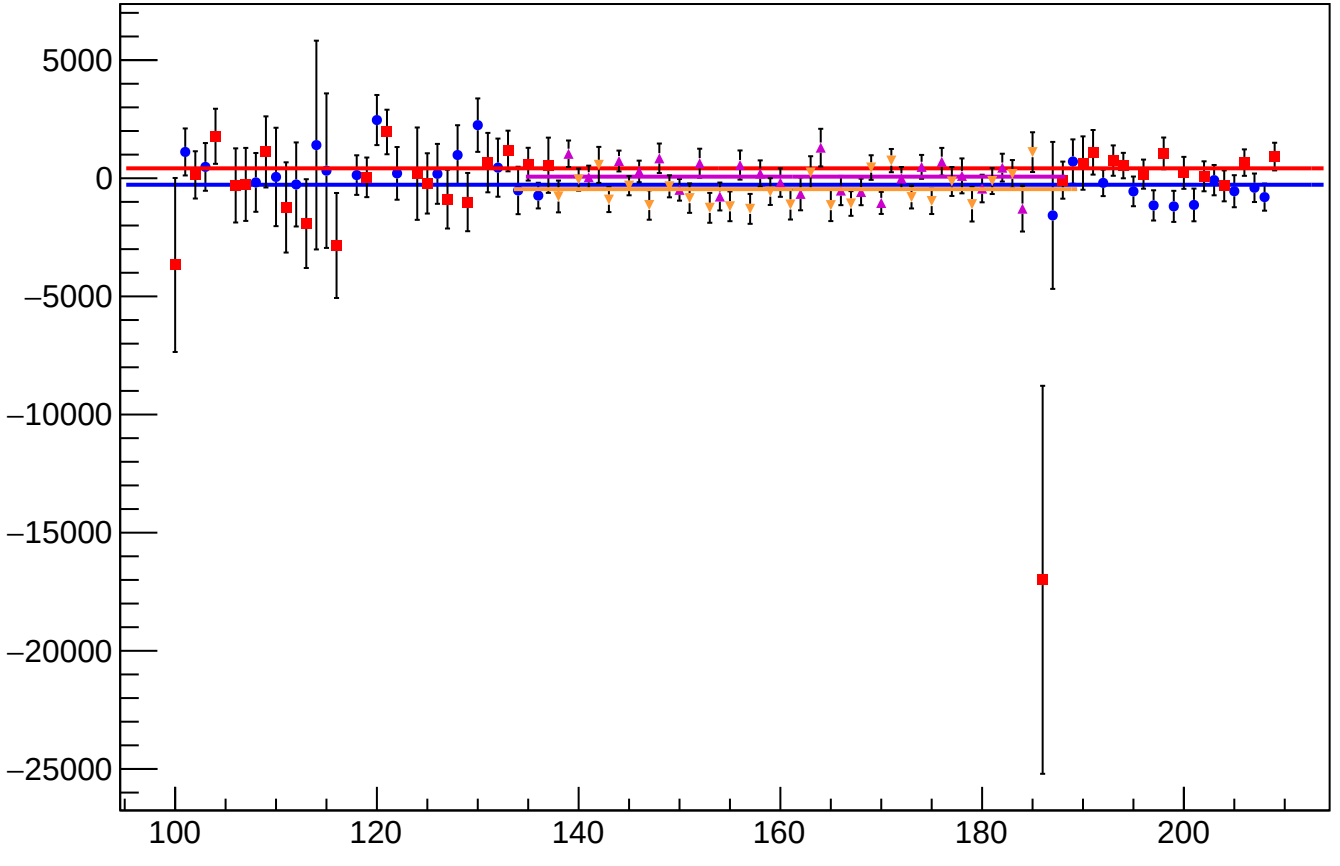
Right: 637.172+/-0.081 χ^2/NDF: 3394977.7/58

In: 558.338+/-0.069 χ^2/NDF:2679441.6/49

Out: 556.082+/-0.067 χ^2/NDF:3675524.1/56

All: 557.172+/-0.048 χ^2/NDF: 6355515.5/106

asym_sam_26_48_dd_mean vs Slug, Sign Corrected



Right In: -274.831+/-162.843 χ^2/NDF: 25.0/26

Left Out: -459.862+/-114.233 χ^2/NDF:30.8/24

Right Out: 419.734+/-156.654 χ^2/NDF: 23.5/31

Left In: 68.043+/-117.366 χ^2/NDF:28.6/22

Left: -203.051+/-81.860 χ^2/NDF: 69.8/47

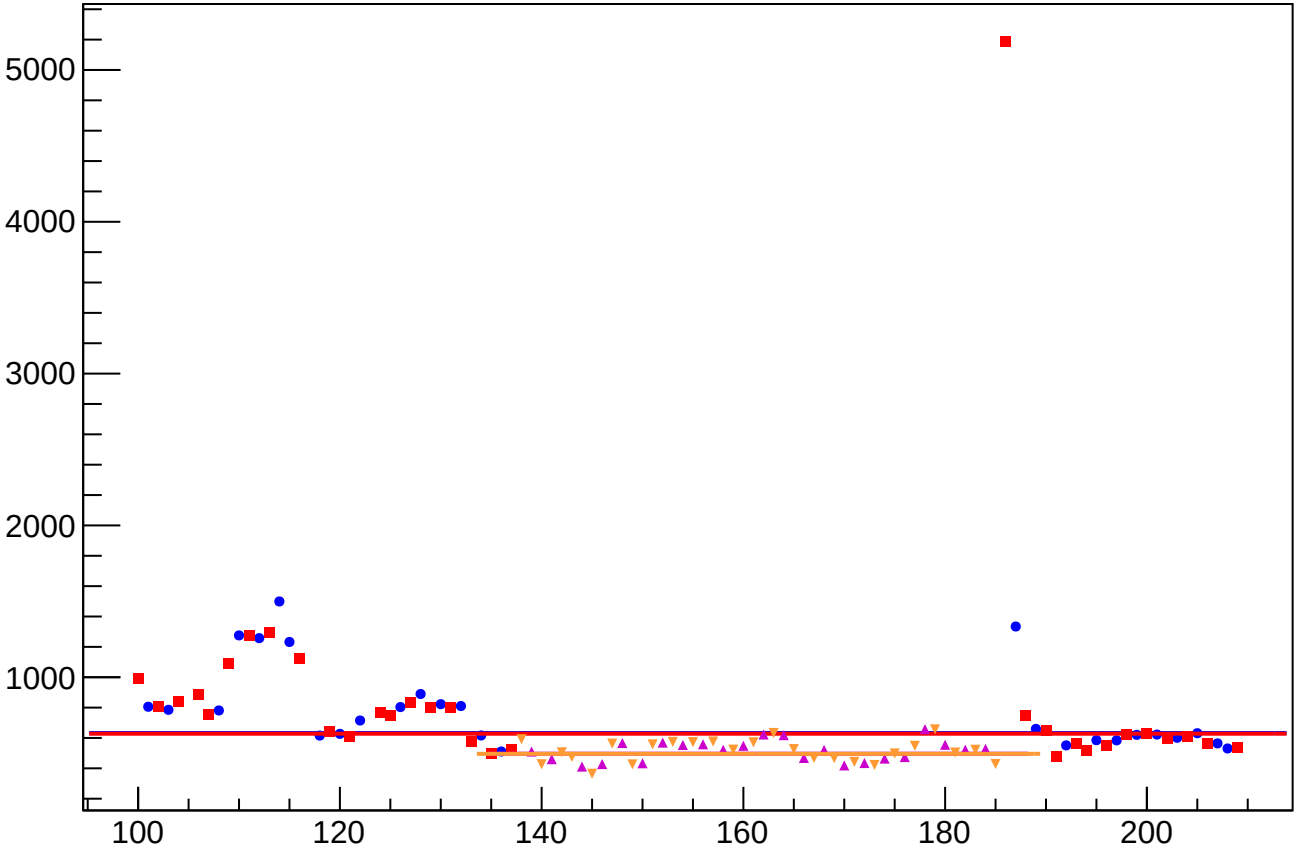
Right: 85.901+/-112.896 χ^2/NDF: 58.0/58

In: -49.175+/-95.214 χ^2/NDF:56.5/49

Out: -154.514+/-92.299 χ^2/NDF:75.0/56

All: -103.481+/-66.272 χ^2/NDF: 132.1/106

asym_sam_26_48_dd_rms vs Slug, Sign Corrected



Right In: 632.346+/-0.115 χ^2/NDF: 1310136.3/26

Left Out: 495.514+/-0.081 χ^2/NDF:804659.4/24

Right Out: 628.161+/-0.111 χ^2/NDF: 2181588.1/31

Left In: 496.307+/-0.083 χ^2/NDF:622356.2/22

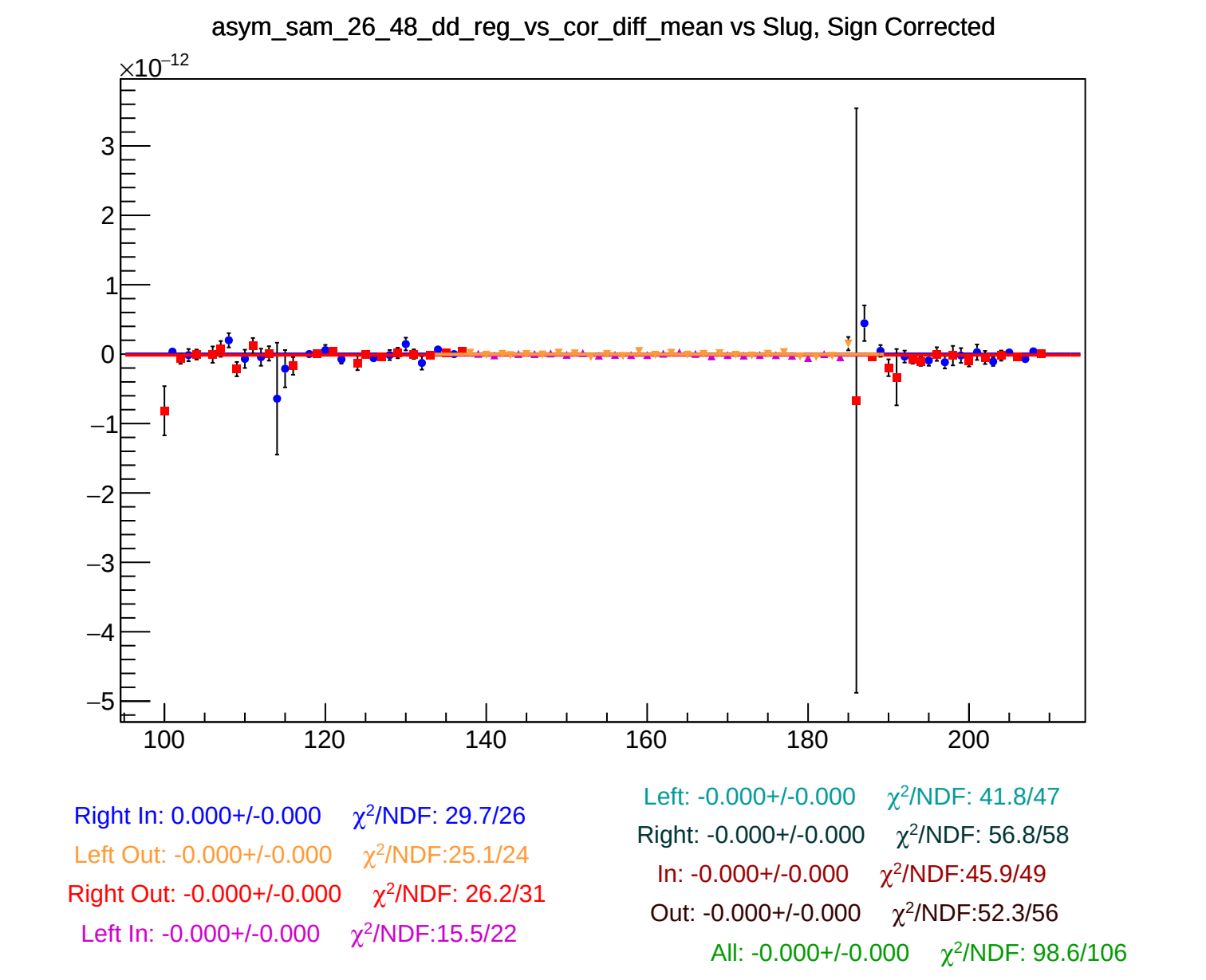
Left: 495.900+/-0.058 χ^2/NDF: 1427062.5/47

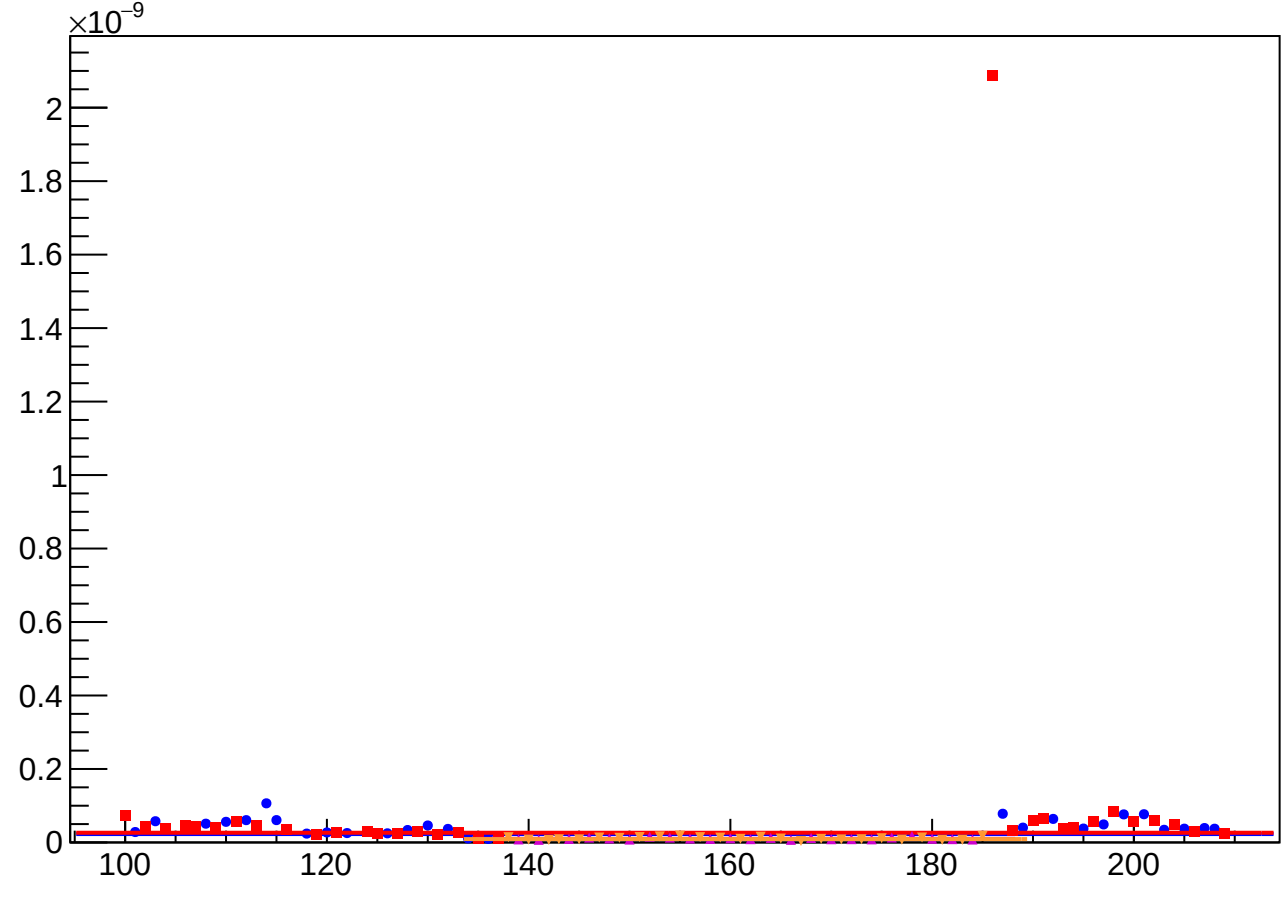
Right: 630.172+/-0.080 χ^2/NDF: 3492410.7/58

In: 542.815+/-0.067 χ^2/NDF:2851101.0/49

Out: 541.562+/-0.065 χ^2/NDF:3922414.7/56

All: 542.169+/-0.047 χ^2/NDF: 6773694.3/106


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
Right In: 0.000+/-0.000 χ²/NDF: 29.7/26
Left Out: -0.000+/-0.000 χ²/NDF:25.1/24
Right Out: -0.000+/-0.000 χ²/NDF: 26.2/31
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: 56.8/58
In: -0.000+/-0.000 χ²/NDF:45.9/49
Out: -0.000+/-0.000 χ²/NDF:52.3/56
All: -0.000+/-0.000 χ²/NDF: 98.6/106



Right In: 0.000+/-0.000 χ^2/NDF: 5221465.0/26

Left Out: 0.000+/-0.000 χ^2/NDF:1832944.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 4065860.6/31

Left In: 0.000+/-0.000 χ^2/NDF:622904.8/22

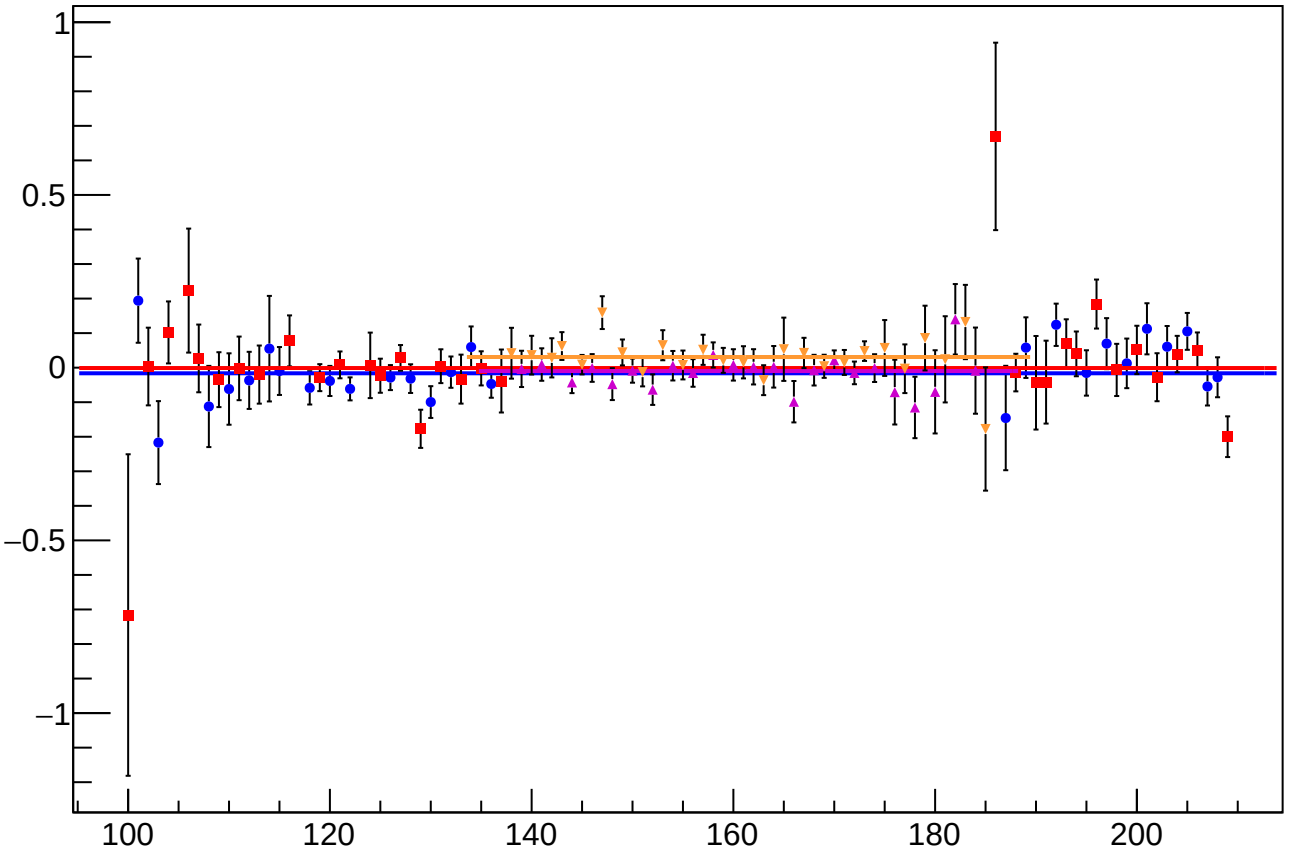
Left: 0.000+/-0.000 χ^2/NDF: 2476959.3/47

Right: 0.000+/-0.000 χ^2/NDF: 9401021.7/58

In: 0.000+/-0.000 χ^2/NDF:8714320.9/49

Out: 0.000+/-0.000 χ^2/NDF:10394789.3/56

All: 0.000+/-0.000 χ^2/NDF: 19126689.1/106



Right In: -0.016+/-0.011 χ^2/NDF: 34.1/26

Left Out: 0.031+/-0.009 χ^2/NDF:17.8/24

Right Out: -0.001+/-0.011 χ^2/NDF: 46.8/31

Left In: -0.010+/-0.009 χ^2/NDF:13.2/22

Left: 0.011+/-0.007 χ^2/NDF: 40.7/47

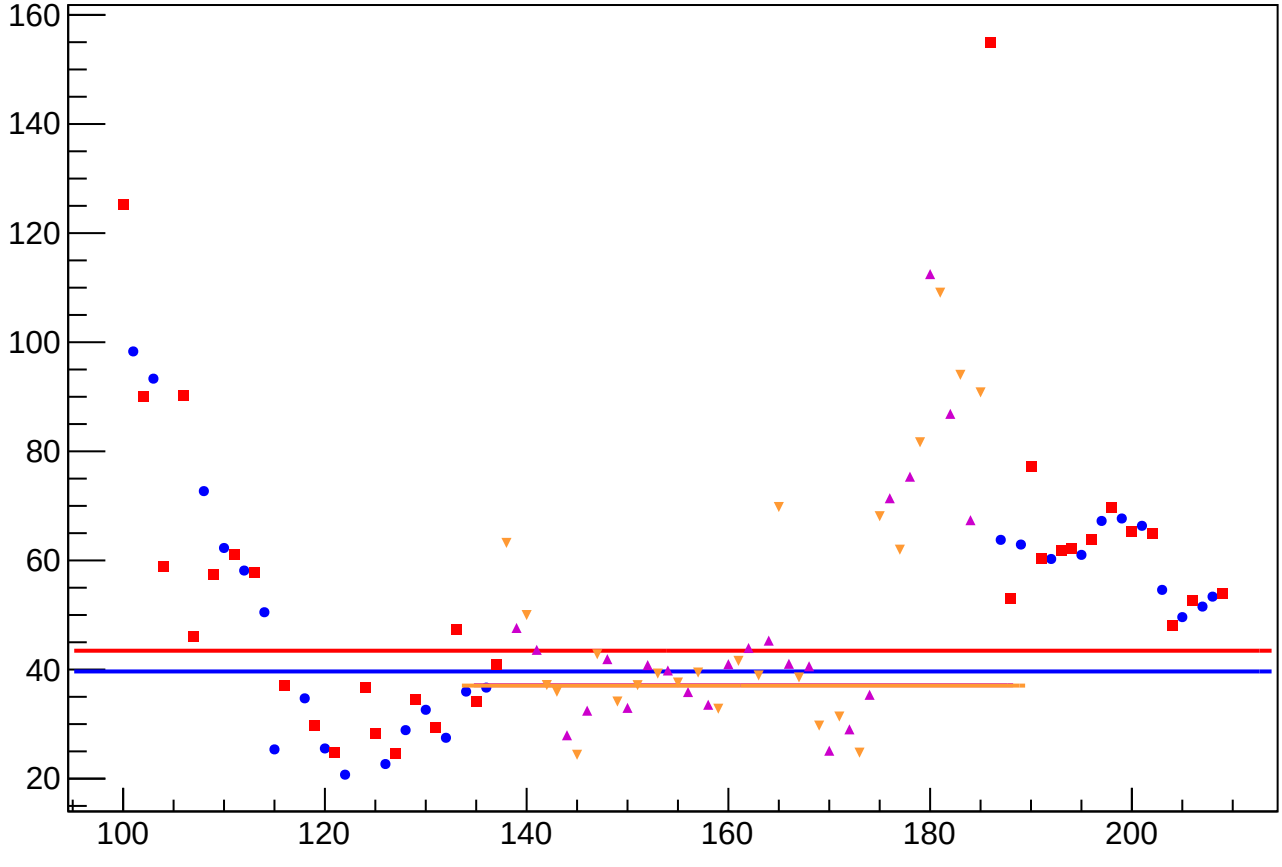
Right: -0.009+/-0.008 χ^2/NDF: 81.9/58

In: -0.013+/-0.007 χ^2/NDF:47.6/49

Out: 0.018+/-0.007 χ^2/NDF:69.4/56

All: 0.003+/-0.005 χ^2/NDF: 126.4/106

asym_sam_26_48_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 39.650+/-0.008 χ^2/NDF: 4846062.7/26

Left Out: 37.057+/-0.006 χ^2/NDF:4053719.8/24

Right Out: 43.451+/-0.008 χ^2/NDF: 4327689.7/31

Left In: 37.127+/-0.007 χ^2/NDF:3012795.5/22

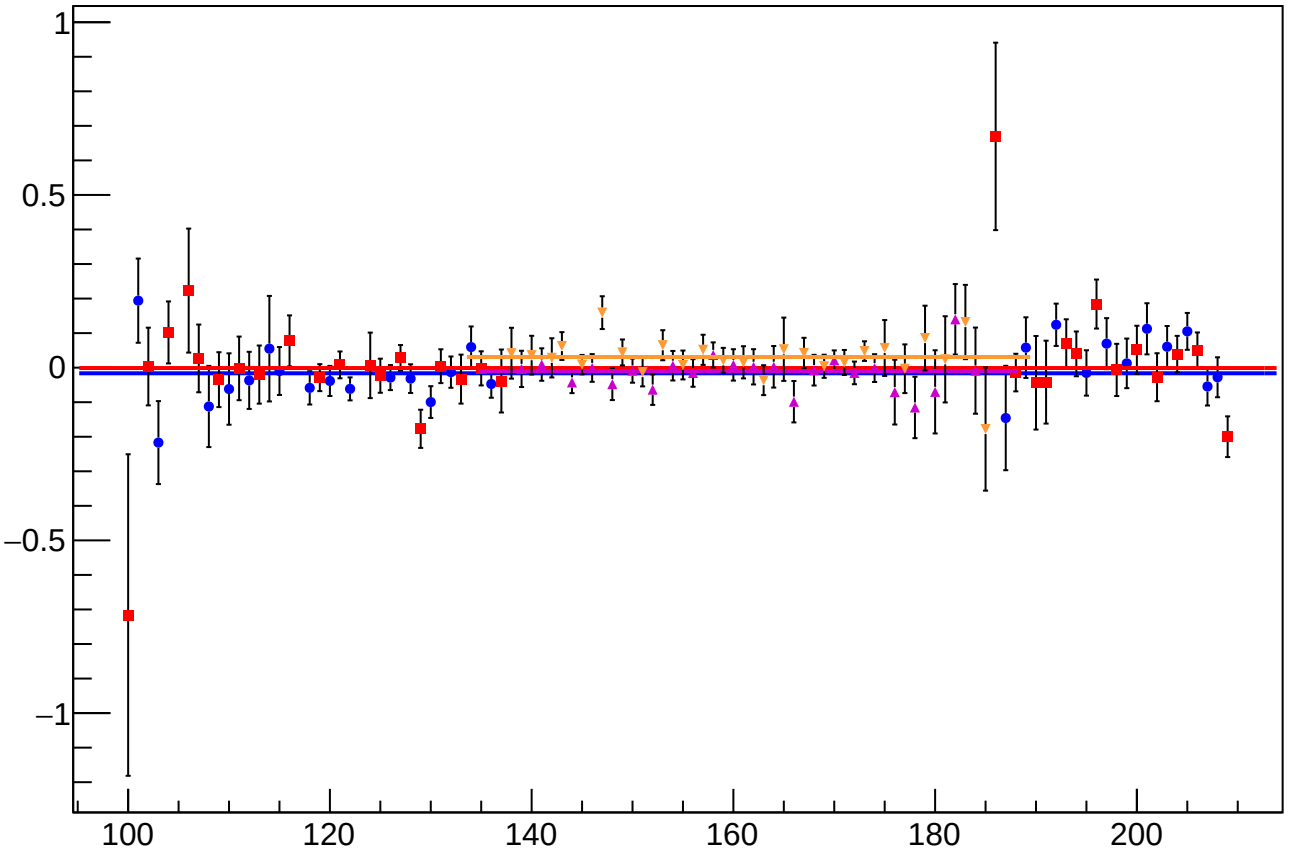
Left: 37.091+/-0.005 χ^2/NDF: 7066571.4/47

Right: 41.483+/-0.006 χ^2/NDF: 9288857.0/58

In: 38.188+/-0.005 χ^2/NDF:7919802.3/49

Out: 39.554+/-0.005 χ^2/NDF:8764719.8/56

All: 38.872+/-0.004 χ^2/NDF: 16721206.6/106



Right In: -0.016+/-0.011 χ^2/NDF: 34.1/26

Left Out: 0.031+/-0.009 χ^2/NDF:17.8/24

Right Out: -0.001+/-0.011 χ^2/NDF: 46.8/31

Left In: -0.010+/-0.009 χ^2/NDF:13.2/22

Left: 0.011+/-0.007 χ^2/NDF: 40.7/47

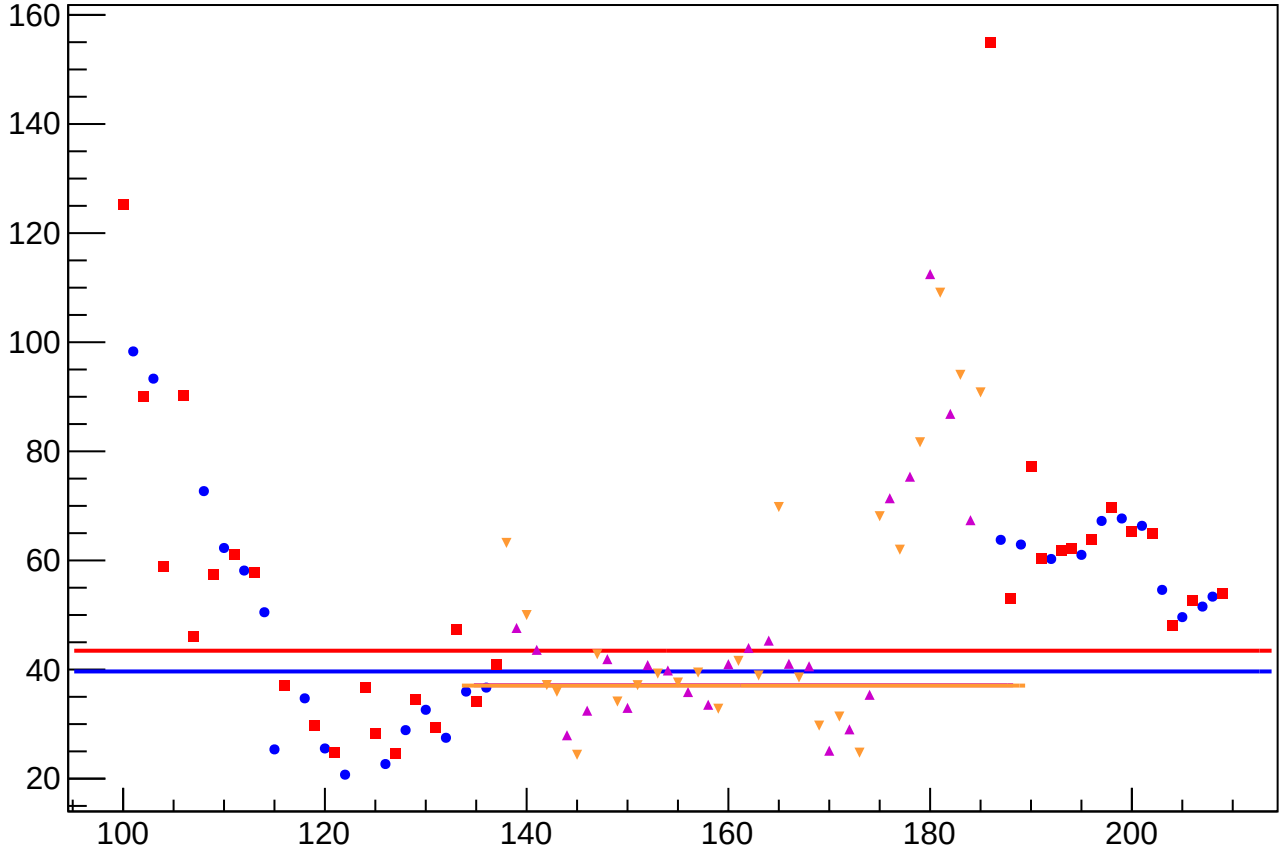
Right: -0.009+/-0.008 χ^2/NDF: 81.9/58

In: -0.013+/-0.007 χ^2/NDF:47.6/49

Out: 0.018+/-0.007 χ^2/NDF:69.4/56

All: 0.003+/-0.005 χ^2/NDF: 126.4/106

asym_sam_26_48_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 39.650+/-0.008 χ^2/NDF: 4846062.7/26

Left Out: 37.057+/-0.006 χ^2/NDF:4053719.8/24

Right Out: 43.451+/-0.008 χ^2/NDF: 4327689.7/31

Left In: 37.127+/-0.007 χ^2/NDF:3012795.5/22

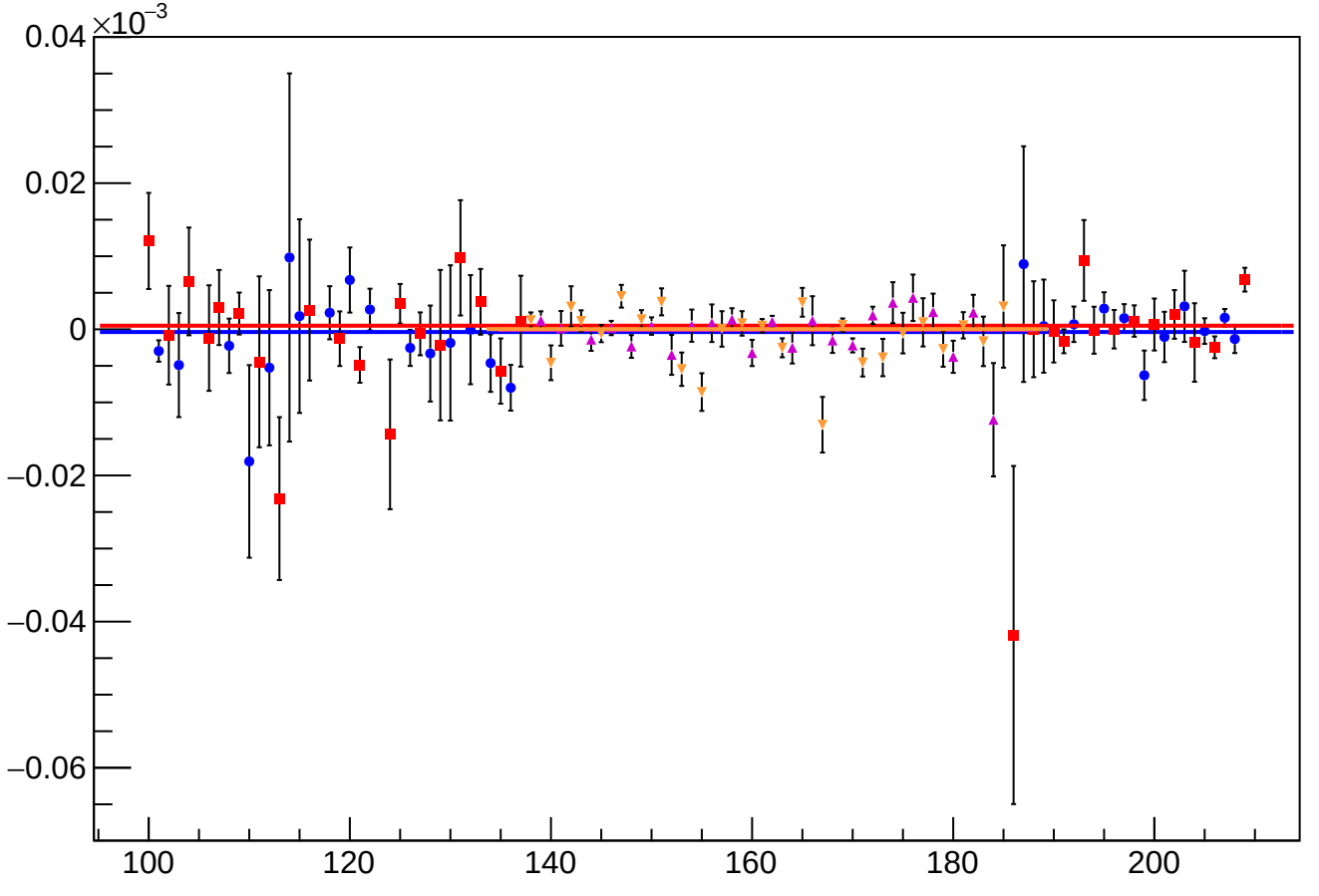
Left: 37.091+/-0.005 χ^2/NDF: 7066571.4/47

Right: 41.483+/-0.006 χ^2/NDF: 9288857.0/58

In: 38.188+/-0.005 χ^2/NDF:7919802.3/49

Out: 39.554+/-0.005 χ^2/NDF:8764719.8/56

All: 38.872+/-0.004 χ^2/NDF: 16721206.6/106



Right In: -0.000+/-0.000 χ^2/NDF: 28.5/26

Left Out: 0.000+/-0.000 χ^2/NDF:67.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 48.9/31

Left In: -0.000+/-0.000 χ^2/NDF:32.2/22

Left: -0.000+/-0.000 χ^2/NDF: 99.9/47

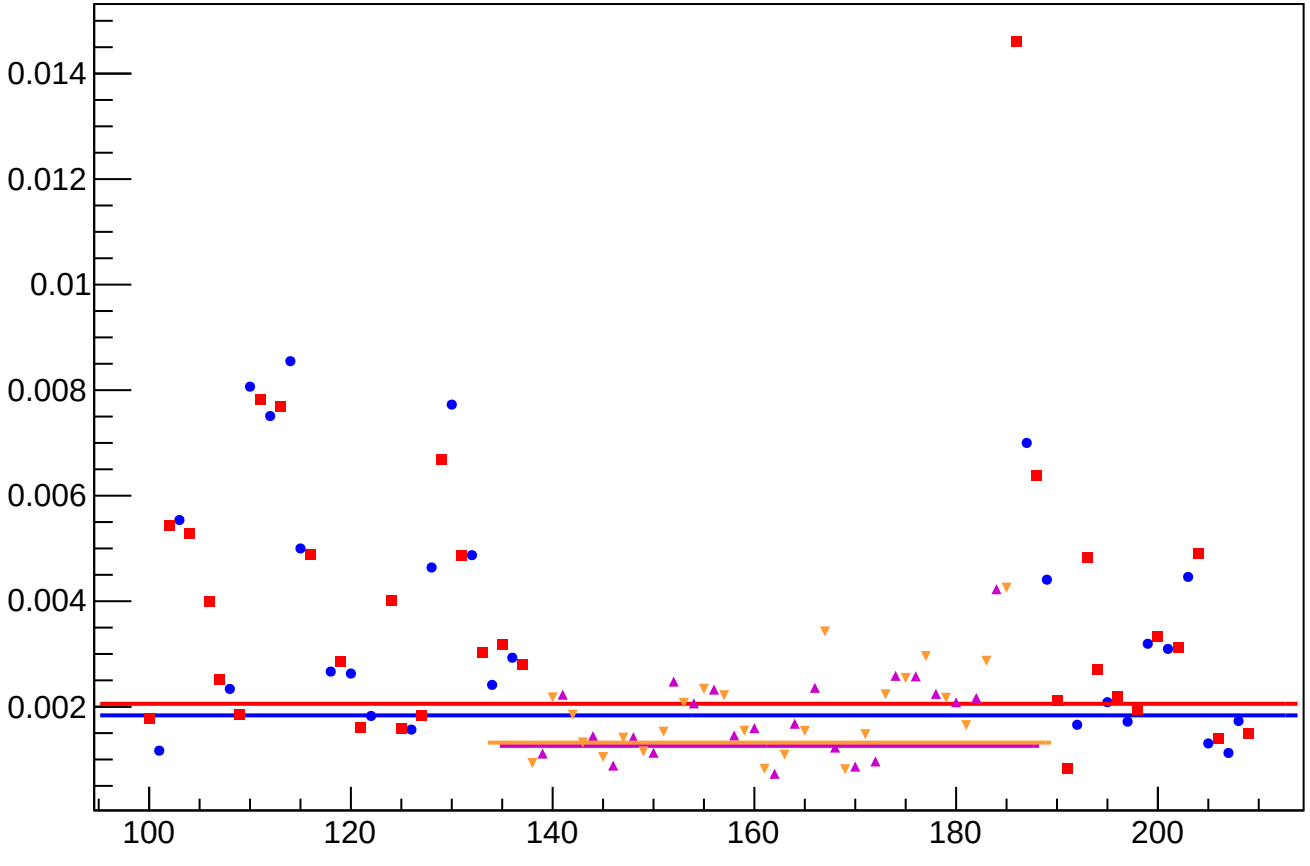
Right: 0.000+/-0.000 χ^2/NDF: 78.5/58

In: -0.000+/-0.000 χ^2/NDF:60.9/49

Out: 0.000+/-0.000 χ^2/NDF:116.9/56

All: -0.000+/-0.000 χ^2/NDF: 178.4/106

asym_sam_26_48_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.002+/-0.000 χ^2/NDF: 6693675.4/26

Left Out: 0.001+/-0.000 χ^2/NDF:5632532.9/24

Right Out: 0.002+/-0.000 χ^2/NDF: 8296370.4/31

Left In: 0.001+/-0.000 χ^2/NDF:5369001.1/22

Left: 0.001+/-0.000 χ^2/NDF: 11036327.2/47

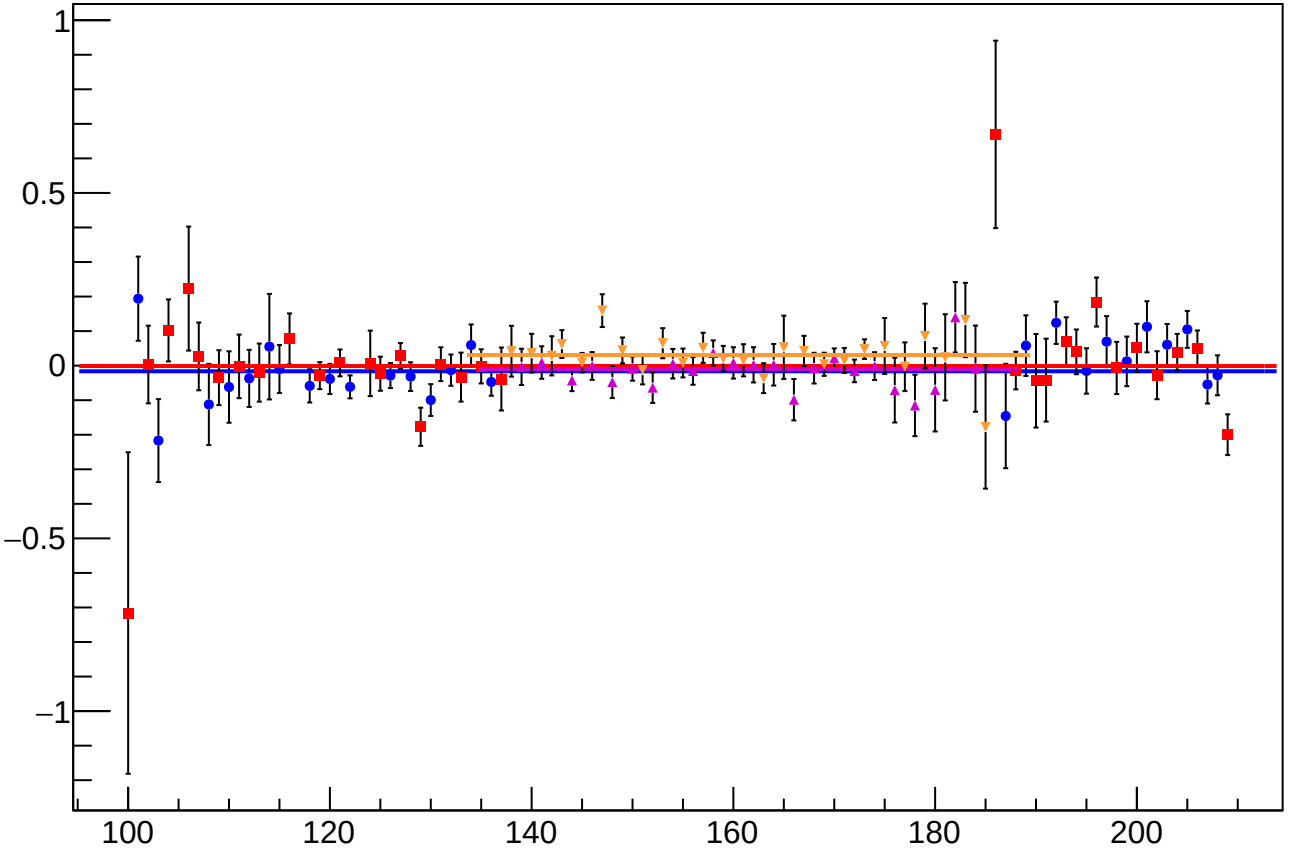
Right: 0.002+/-0.000 χ^2/NDF: 15140326.9/58

In: 0.001+/-0.000 χ^2/NDF:13717649.9/49

Out: 0.001+/-0.000 χ^2/NDF:16308939.0/56

All: 0.001+/-0.000 χ^2/NDF: 30115674.3/106

asym_sam_26_48_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.016+/-0.011 χ^2/NDF: 34.1/26

Left Out: 0.031+/-0.009 χ^2/NDF:17.8/24

Right Out: -0.001+/-0.011 χ^2/NDF: 46.8/31

Left In: -0.010+/-0.009 χ^2/NDF:13.2/22

Left: 0.011+/-0.007 χ^2/NDF: 40.7/47

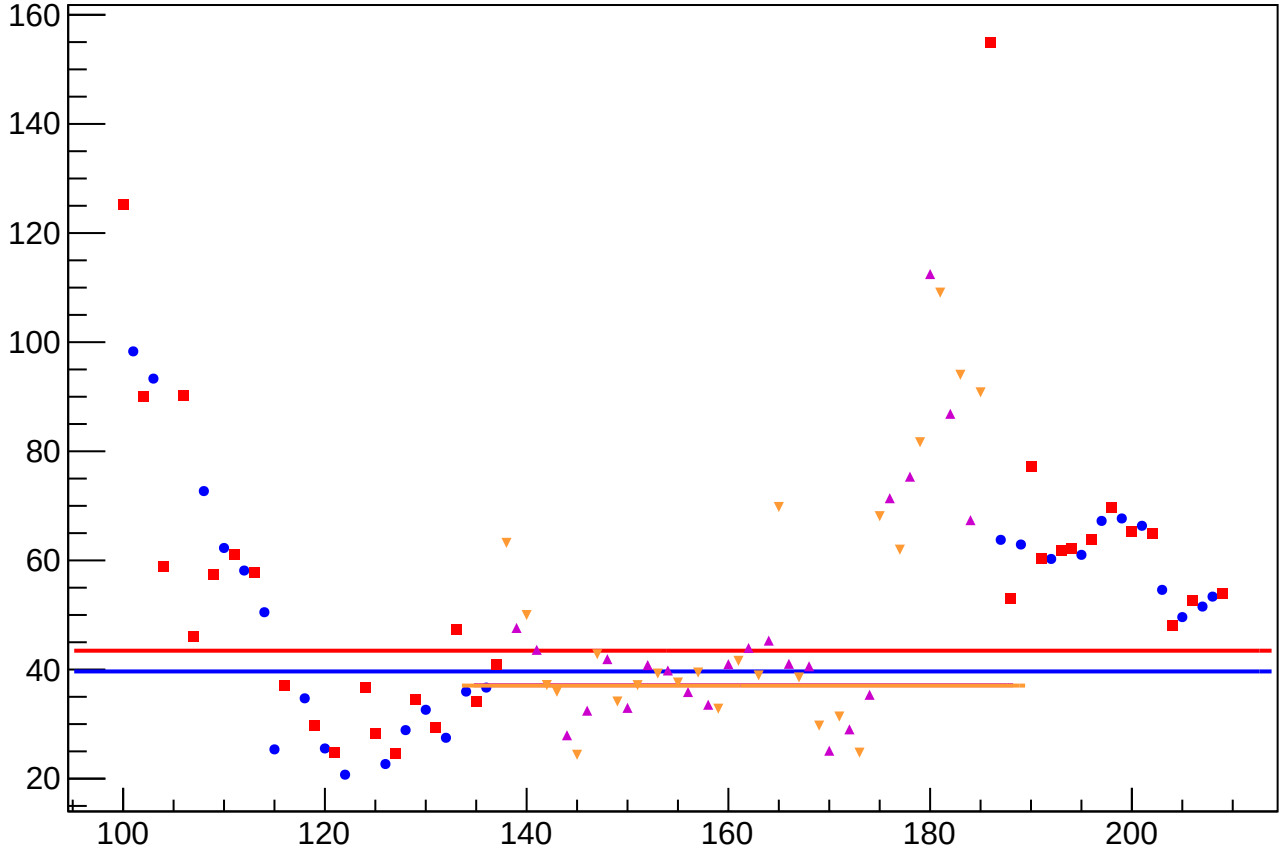
Right: -0.009+/-0.008 χ^2/NDF: 81.8/58

In: -0.013+/-0.007 χ^2/NDF:47.6/49

Out: 0.018+/-0.007 χ^2/NDF:69.4/56

All: 0.003+/-0.005 χ^2/NDF: 126.3/106

asym_sam_26_48_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 39.650+/-0.008 χ^2/NDF: 4845948.8/26

Left Out: 37.057+/-0.006 χ^2/NDF:4053728.9/24

Right Out: 43.452+/-0.008 χ^2/NDF: 4327479.2/31

Left In: 37.127+/-0.007 χ^2/NDF:3012767.1/22

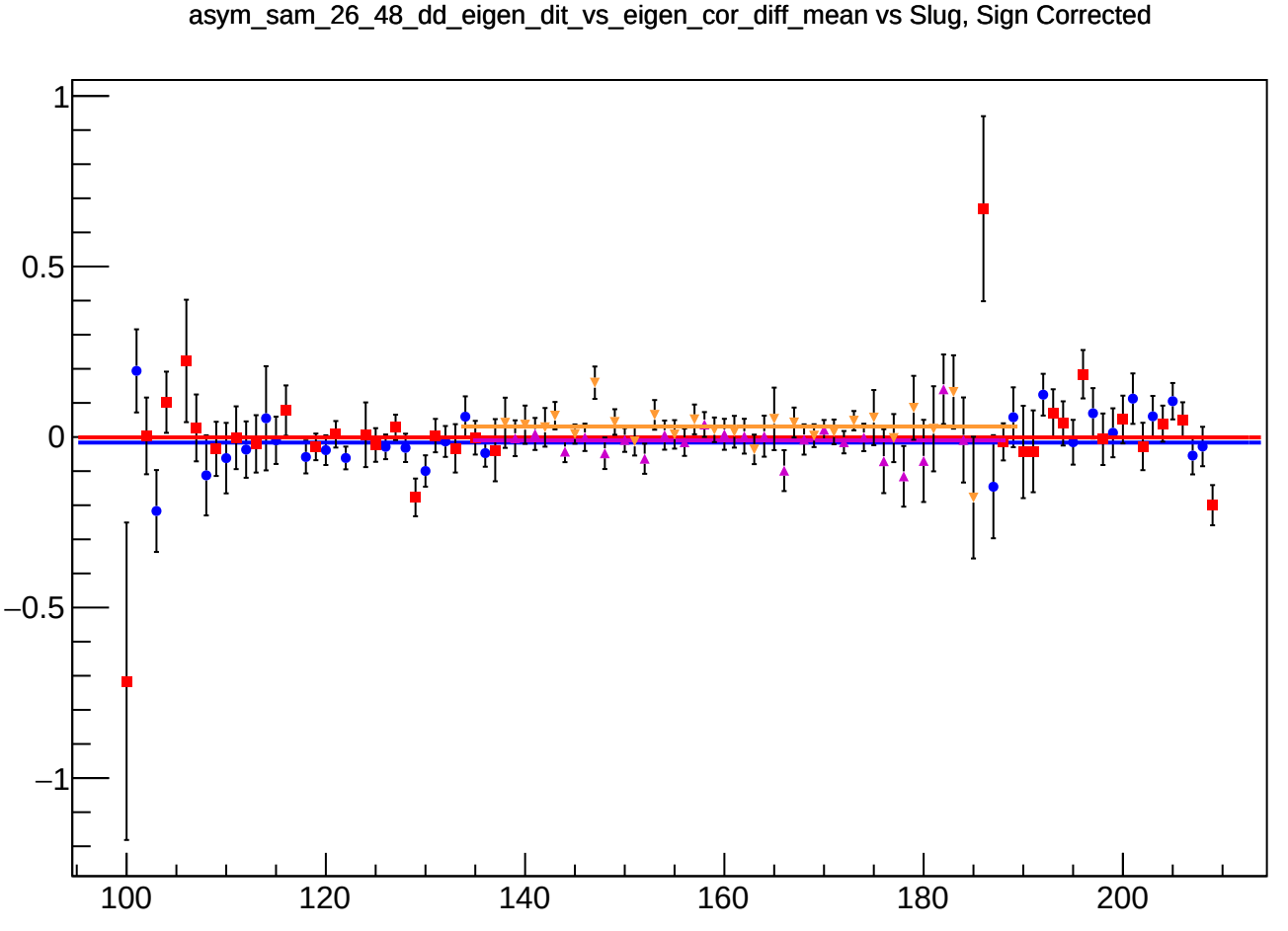
Left: 37.091+/-0.005 χ^2/NDF: 7066552.1/47

Right: 41.483+/-0.006 χ^2/NDF: 9288536.1/58

In: 38.188+/-0.005 χ^2/NDF:7919678.0/49

Out: 39.554+/-0.005 χ^2/NDF:8764568.2/56

All: 38.872+/-0.004 χ^2/NDF: 16720931.6/106



Right In: -0.016+/-0.011 χ^2/NDF: 34.1/26

Left Out: 0.031+/-0.009 χ^2/NDF:17.8/24

Right Out: -0.001+/-0.011 χ^2/NDF: 46.8/31

Left In: -0.010+/-0.009 χ^2/NDF:13.2/22

Left: 0.011+/-0.007 χ^2/NDF: 40.7/47

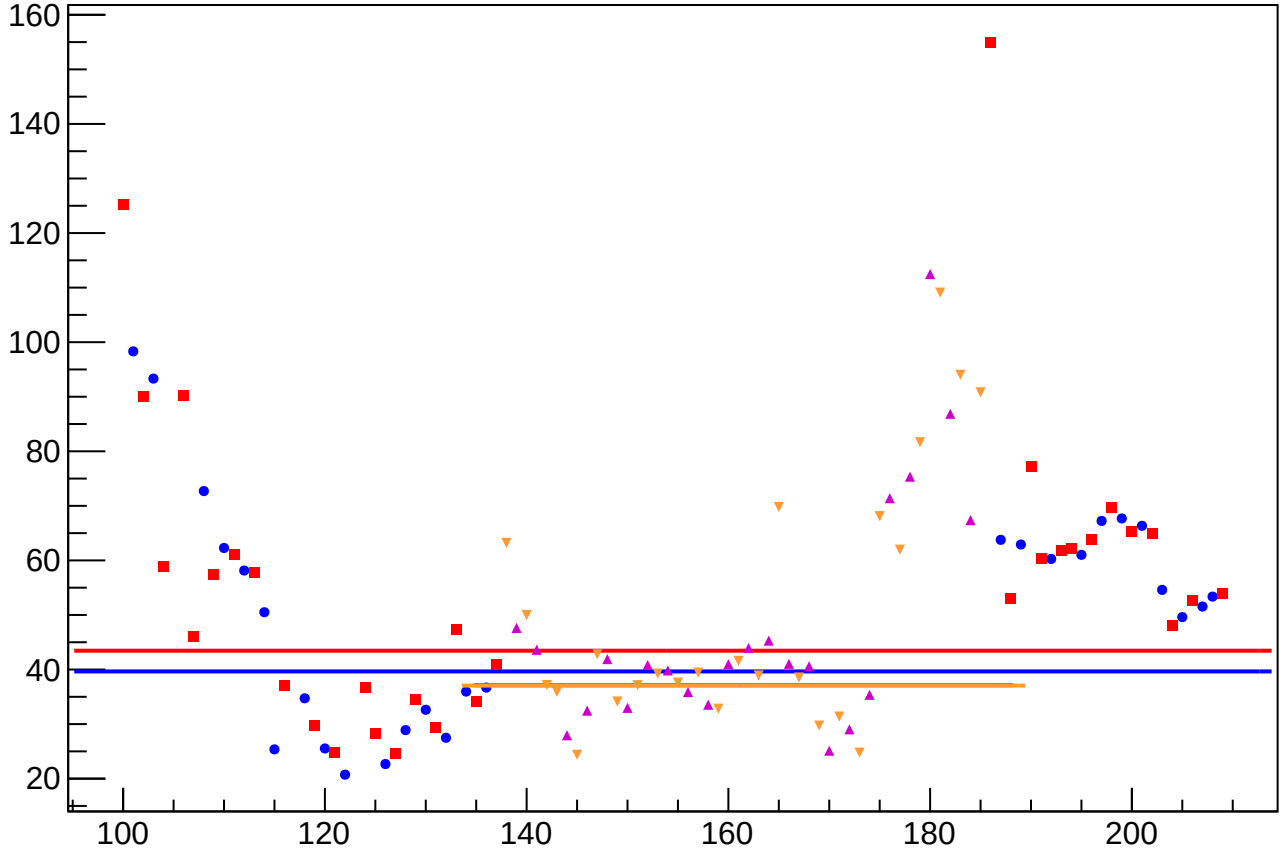
Right: -0.009+/-0.008 χ^2/NDF: 81.8/58

In: -0.013+/-0.007 χ^2/NDF:47.6/49

Out: 0.018+/-0.007 χ^2/NDF:69.4/56

All: 0.003+/-0.005 χ^2/NDF: 126.3/106

asym_sam_26_48_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 39.650+/-0.008 χ^2/NDF: 4845948.8/26

Left Out: 37.057+/-0.006 χ^2/NDF:4053728.9/24

Right Out: 43.452+/-0.008 χ^2/NDF: 4327479.2/31

Left In: 37.127+/-0.007 χ^2/NDF:3012767.1/22

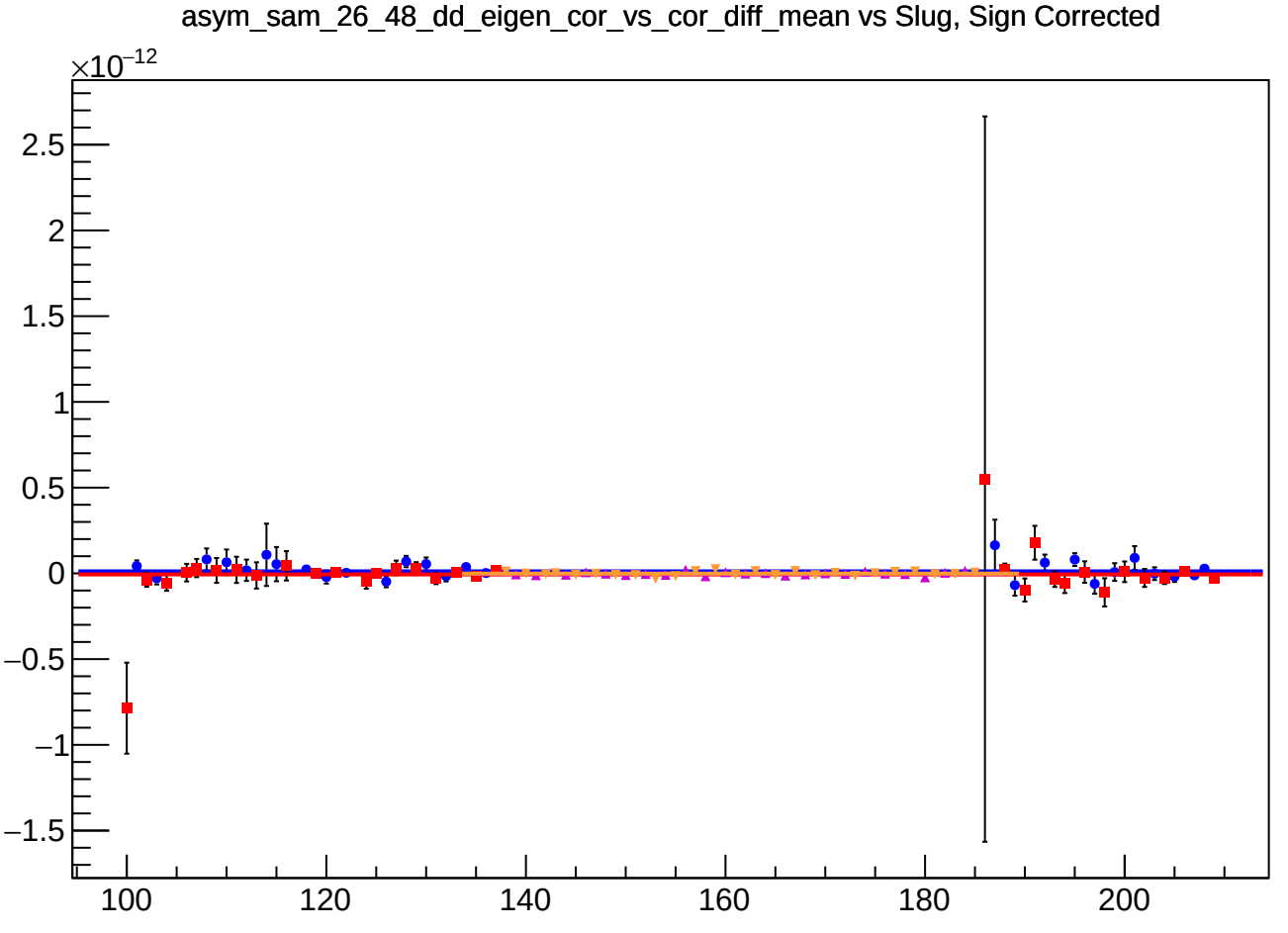
Left: 37.091+/-0.005 χ^2/NDF: 7066552.1/47

Right: 41.483+/-0.006 χ^2/NDF: 9288536.1/58

In: 38.188+/-0.005 χ^2/NDF:7919678.0/49

Out: 39.554+/-0.005 χ^2/NDF:8764568.2/56

All: 38.872+/-0.004 χ^2/NDF: 16720931.6/106



Right In: 0.000+/-0.000 χ^2/NDF: 29.4/26

Left Out: -0.000+/-0.000 χ^2/NDF:26.0/24

Right Out: -0.000+/-0.000 χ^2/NDF: 28.6/31

Left In: -0.000+/-0.000 χ^2/NDF:20.6/22

Left: -0.000+/-0.000 χ^2/NDF: 47.0/47

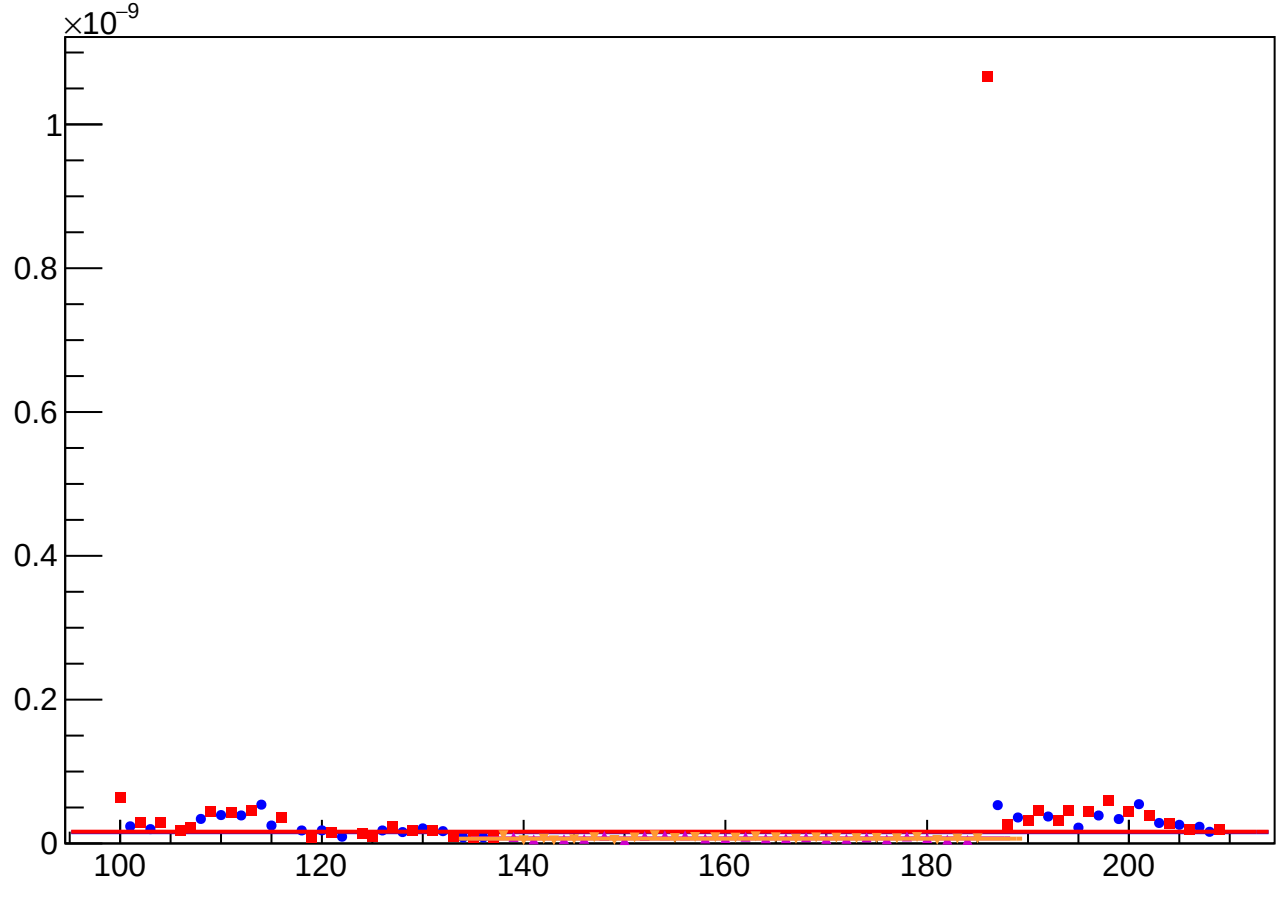
Right: 0.000+/-0.000 χ^2/NDF: 63.0/58

In: -0.000+/-0.000 χ^2/NDF:56.2/49

Out: -0.000+/-0.000 χ^2/NDF:55.2/56

All: -0.000+/-0.000 χ^2/NDF: 111.5/106

asym_sam_26_48_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 5281510.6/26

Left Out: 0.000+/-0.000 χ^2/NDF:1953818.9/24

Right Out: 0.000+/-0.000 χ^2/NDF: 7230073.8/31

Left In: 0.000+/-0.000 χ^2/NDF:1431998.0/22

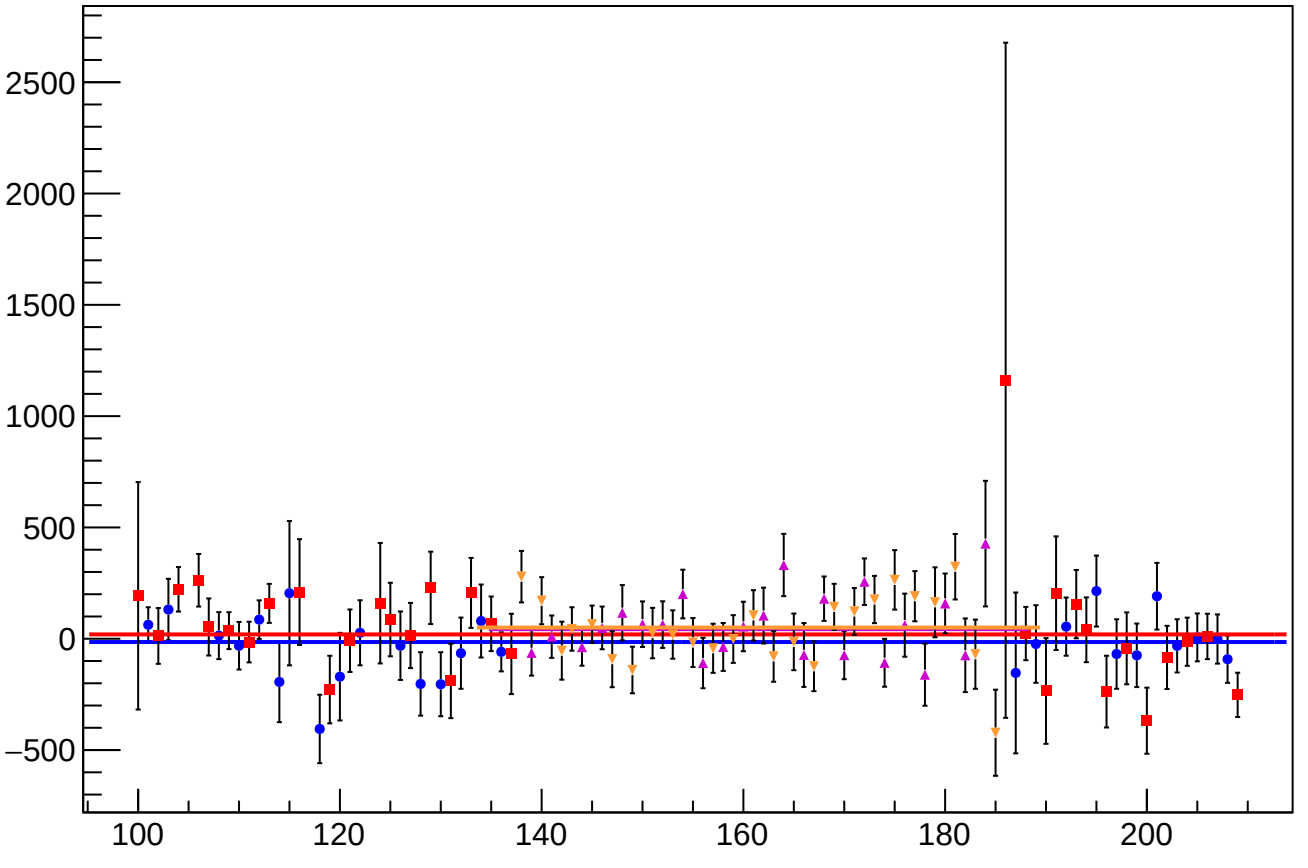
Left: 0.000+/-0.000 χ^2/NDF: 3428981.7/47

Right: 0.000+/-0.000 χ^2/NDF: 12526433.4/58

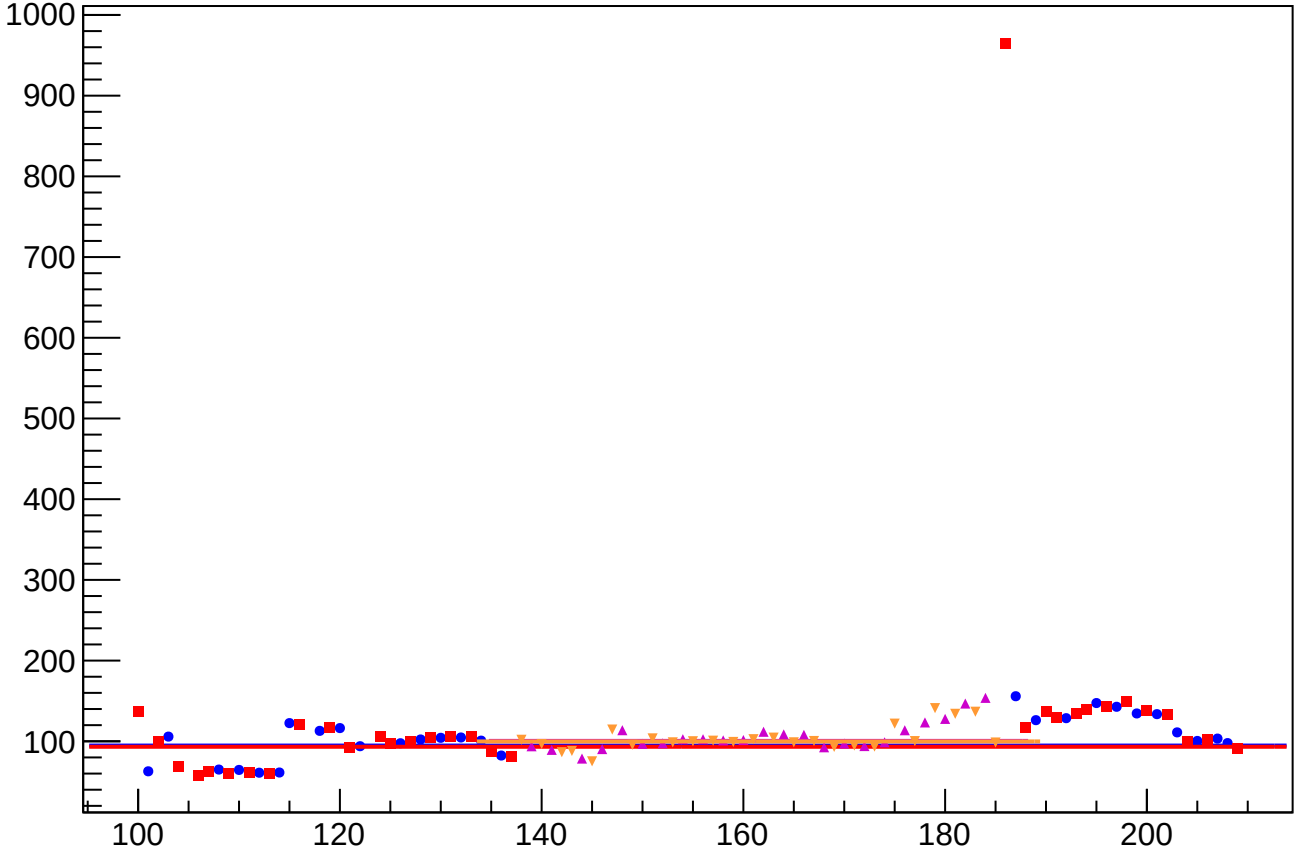
In: 0.000+/-0.000 χ^2/NDF:10814545.4/49

Out: 0.000+/-0.000 χ^2/NDF:14274322.7/56

All: 0.000+/-0.000 χ^2/NDF: 25149039.8/106


reg_asym_sam_1548_avg_mean vs Slug, Sign Corrected
2500
2000
1500
1000
500
0
−500
100
120
140
160
180
200
Right In: -14.738+/-24.802 χ²/NDF: 21.6/26
Left Out: 50.314+/-22.958 χ²/NDF:33.5/24
Right Out: 19.488+/-23.813 χ²/NDF: 40.7/31
Left In: 43.026+/-23.758 χ²/NDF:26.6/22
Left: 46.795+/-16.509 χ²/NDF: 60.1/47
Right: 3.071+/-17.177 χ²/NDF: 63.2/58
In: 15.385+/-17.157 χ²/NDF:51.0/49
Out: 35.464+/-16.528 χ²/NDF:75.0/56
All: 25.800+/-11.903 χ²/NDF: 126.7/106

reg_asym_sam_1548_avg_rms vs Slug, Sign Corrected



Right In: 94.715+/-0.018 χ^2/NDF: 2174760.3/26

Left Out: 99.839+/-0.016 χ^2/NDF:697768.7/24

Right Out: 93.222+/-0.017 χ^2/NDF: 3426611.2/31

Left In: 100.498+/-0.017 χ^2/NDF:656850.1/22

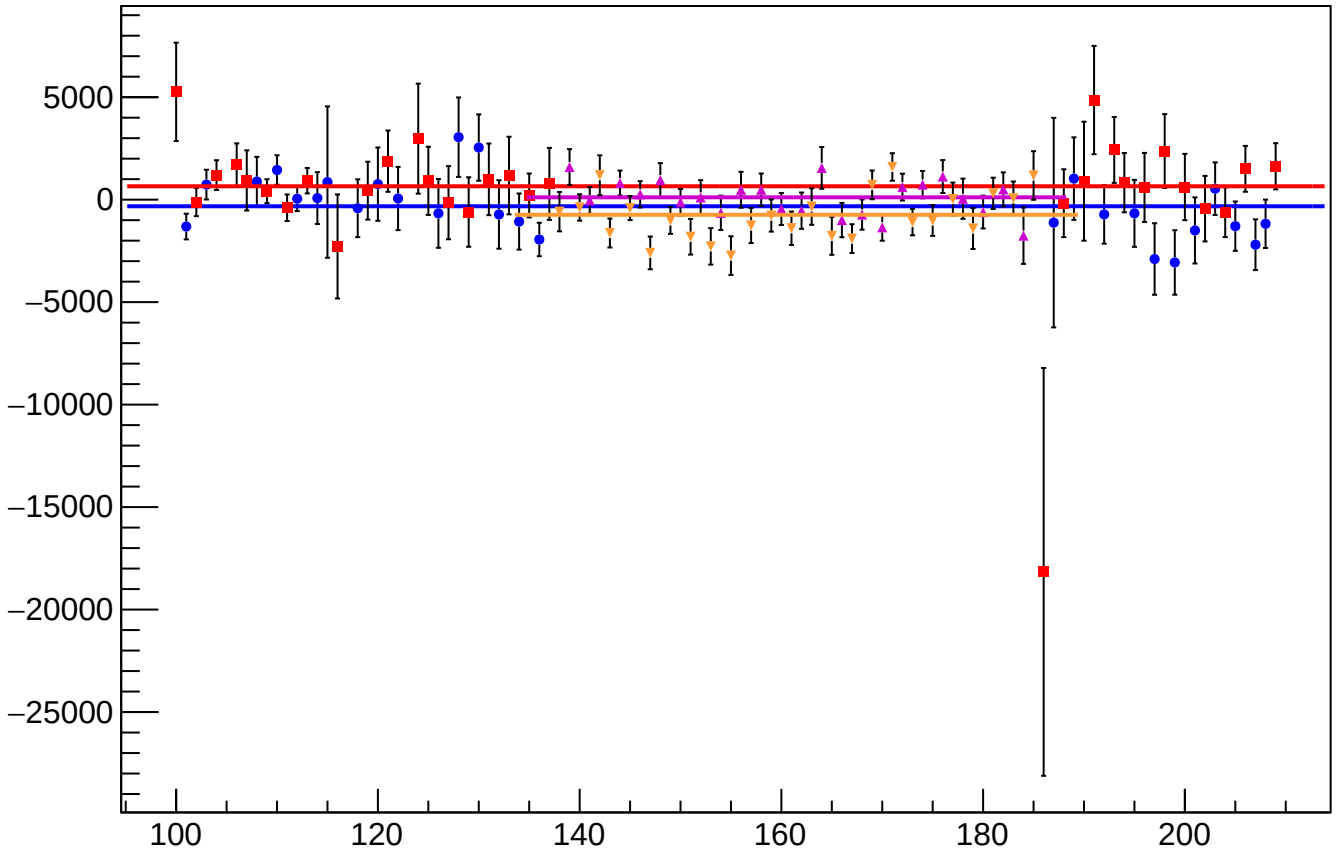
Left: 100.157+/-0.012 χ^2/NDF: 1355414.7/47

Right: 93.938+/-0.012 χ^2/NDF: 5605145.2/58

In: 97.731+/-0.012 χ^2/NDF:2888308.1/49

Out: 96.651+/-0.012 χ^2/NDF:4204423.2/56

All: 97.171+/-0.008 χ^2/NDF: 7096838.6/106



Right In: -321.818+/-223.203 χ^2/NDF: 33.4/26

Left Out: -738.364+/-156.311 χ^2/NDF:49.7/24

Right Out: 653.852+/-209.505 χ^2/NDF: 24.8/31

Left In: 115.639+/-160.990 χ^2/NDF:23.7/22

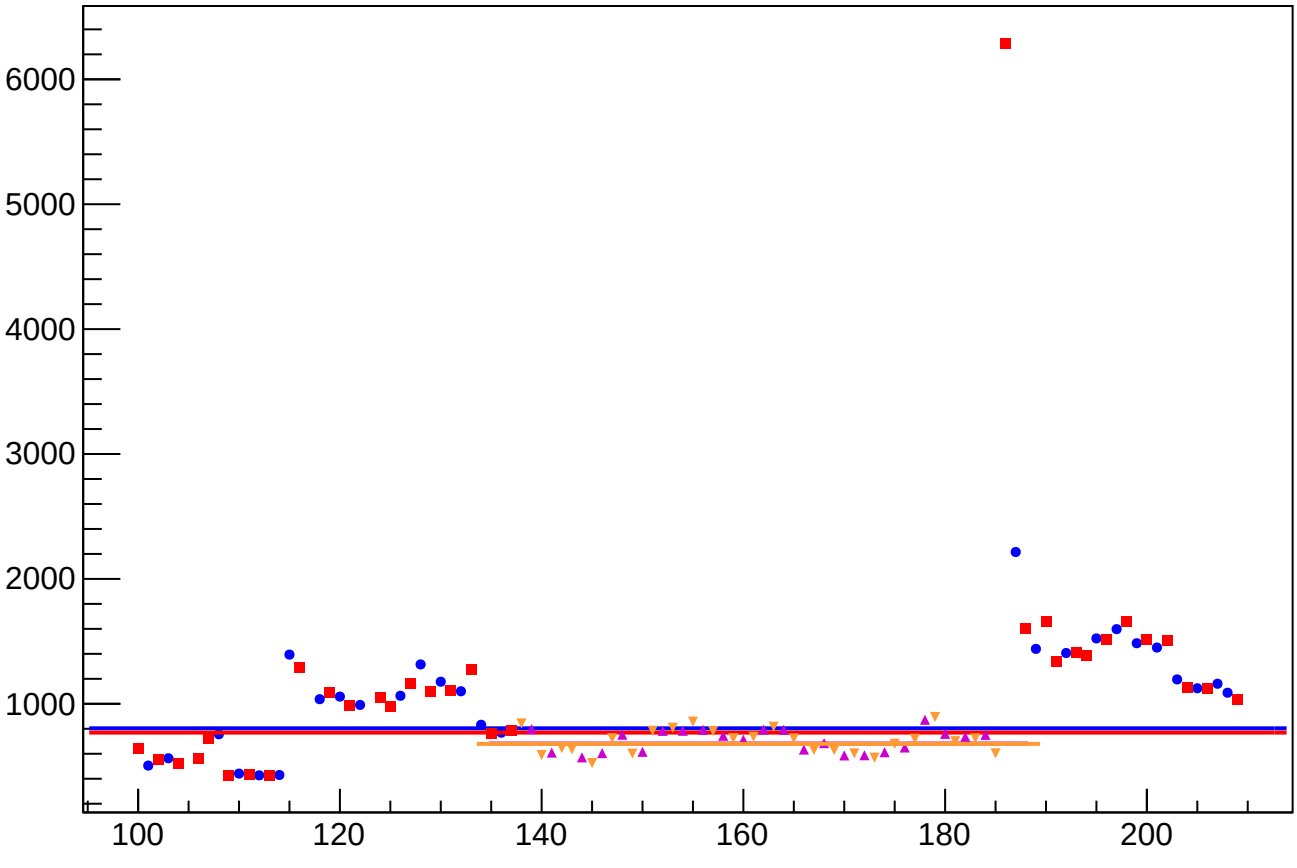
Left: -323.953+/-112.146 χ^2/NDF: 87.9/47

Right: 196.873+/-152.756 χ^2/NDF: 68.4/58

In: -34.061+/-130.570 χ^2/NDF:59.7/49

Out: -240.509+/-125.283 χ^2/NDF:102.9/56

All: -141.549+/-90.400 χ^2/NDF: 163.8/106



Right In: 803.731+/-0.158 χ^2/NDF: 5489391.1/26

Left Out: 679.146+/-0.111 χ^2/NDF:737419.7/24

Right Out: 769.464+/-0.148 χ^2/NDF: 7346681.7/31

Left In: 681.893+/-0.114 χ^2/NDF:573812.4/22

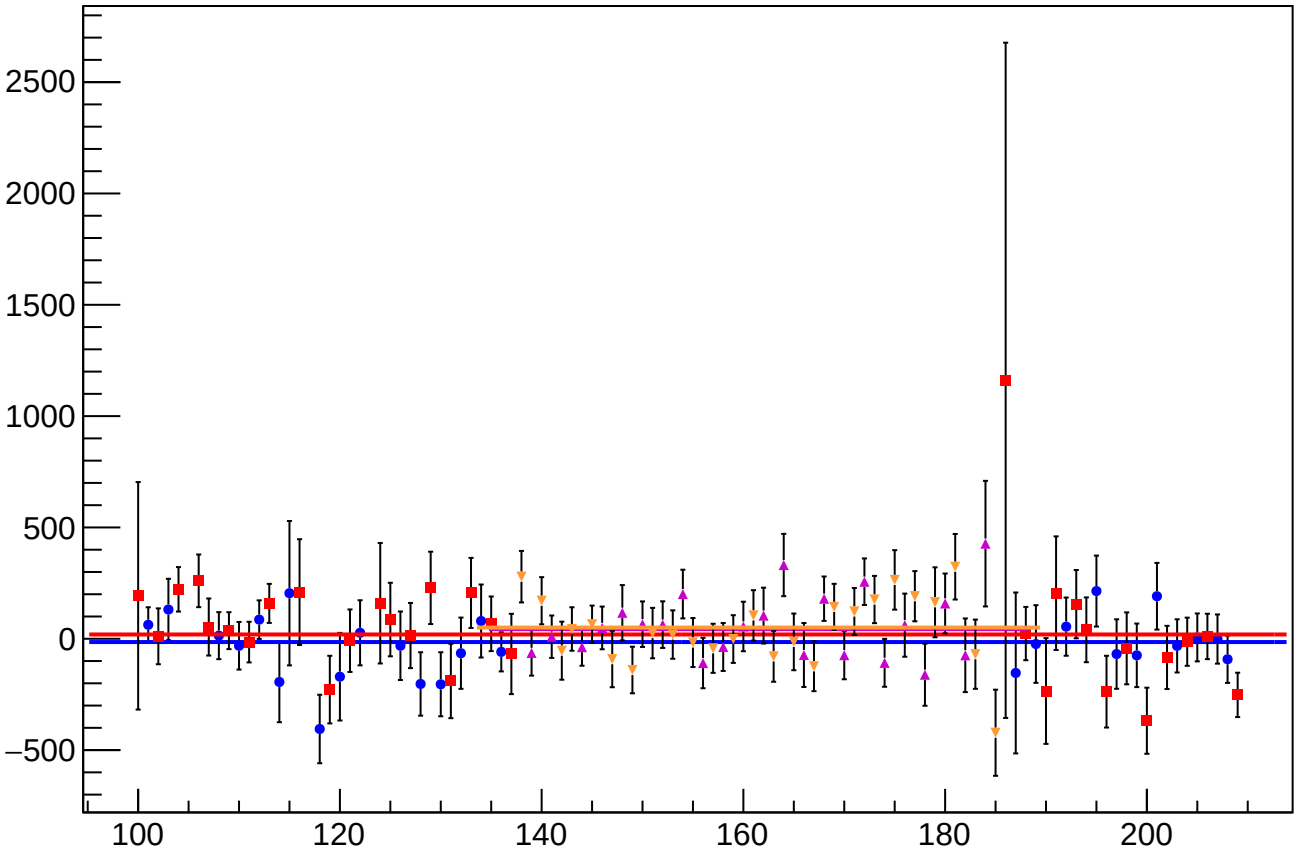
Left: 680.479+/-0.079 χ^2/NDF: 1311531.8/47

Right: 785.514+/-0.108 χ^2/NDF: 12861132.0/58

In: 723.587+/-0.092 χ^2/NDF:6455199.1/49

Out: 711.444+/-0.089 χ^2/NDF:8322881.0/56

All: 717.264+/-0.064 χ^2/NDF: 14787085.8/10



Right In: -14.741+/-24.802 χ^2/NDF: 21.6/26

Left Out: 50.322+/-22.958 χ^2/NDF:33.4/24

Right Out: 19.319+/-23.814 χ^2/NDF: 40.6/31

Left In: 43.026+/-23.758 χ^2/NDF:26.6/22

Left: 46.799+/-16.509 χ^2/NDF: 60.1/47

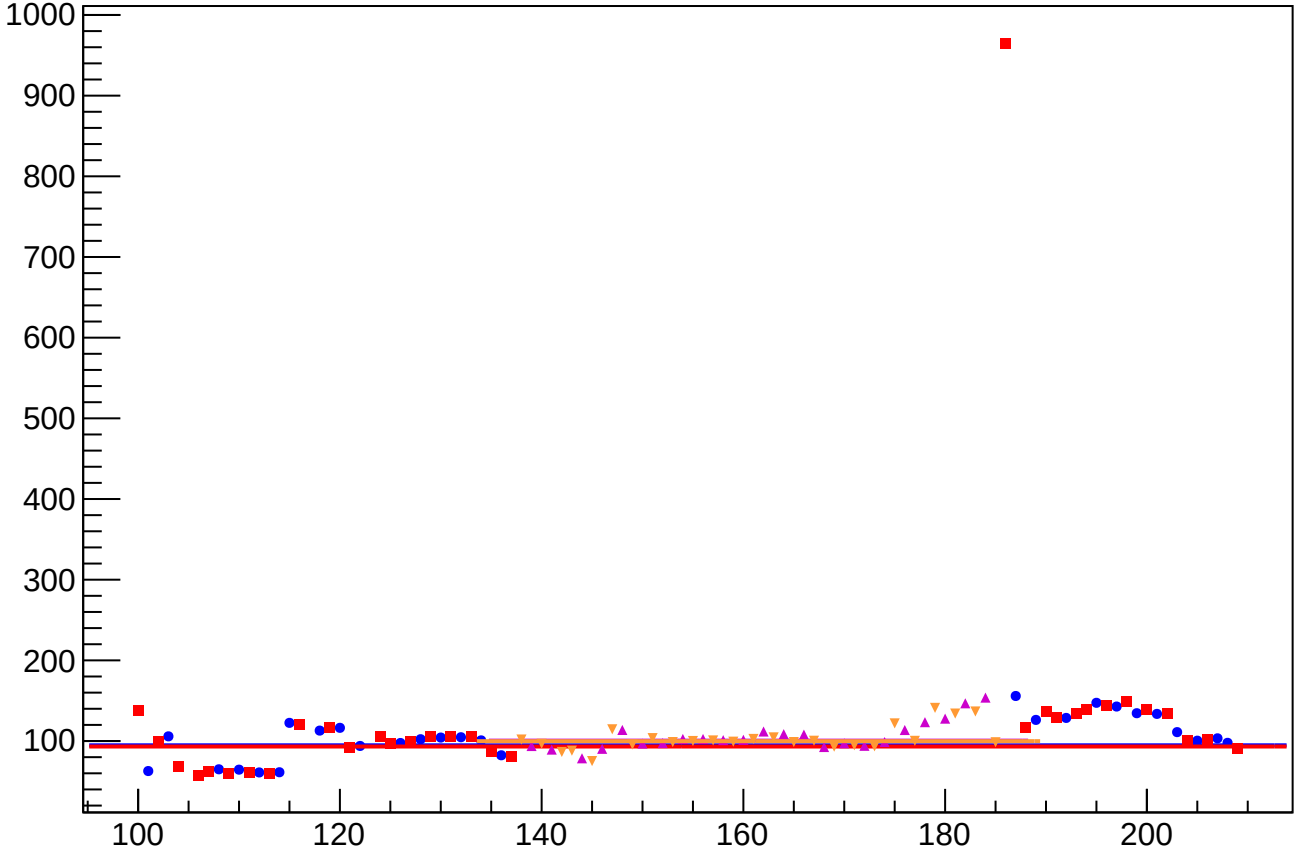
Right: 2.981+/-17.178 χ^2/NDF: 63.1/58

In: 15.384+/-17.157 χ^2/NDF:51.0/49

Out: 35.388+/-16.528 χ^2/NDF:74.9/56

All: 25.759+/-11.903 χ^2/NDF: 126.6/106

cor_asym_sam_1548_avg_rms vs Slug, Sign Corrected



Right In: 94.715+/-0.018 χ^2/NDF: 2174761.5/26

Left Out: 99.839+/-0.016 χ^2/NDF:697768.8/24

Right Out: 93.211+/-0.017 χ^2/NDF: 3429930.8/31

Left In: 100.498+/-0.017 χ^2/NDF:656850.1/22

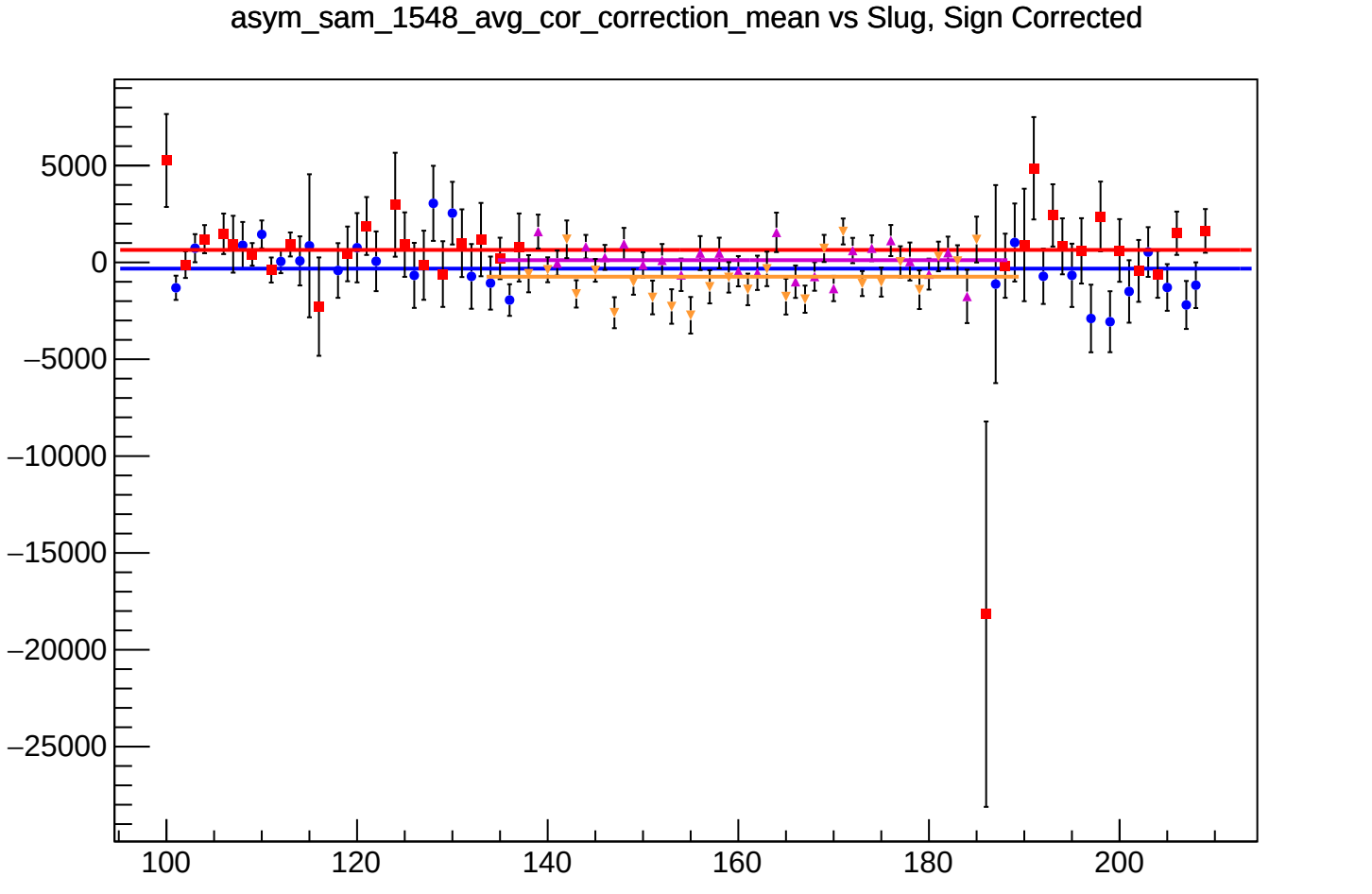
Left: 100.157+/-0.012 χ^2/NDF: 1355414.8/47

Right: 93.933+/-0.012 χ^2/NDF: 5608519.9/58

In: 97.731+/-0.012 χ^2/NDF:2888309.1/49

Out: 96.646+/-0.012 χ^2/NDF:4207997.1/56

All: 97.168+/-0.008 χ^2/NDF: 7100451.5/106



Right In: -321.842+/-223.205 χ^2/NDF: 33.4/26

Left Out: -738.352+/-156.311 χ^2/NDF:49.7/24

Right Out: 643.955+/-209.605 χ^2/NDF: 24.4/31

Left In: 115.639+/-160.990 χ^2/NDF:23.7/22

Left: -323.947+/-112.146 χ^2/NDF: 87.9/47

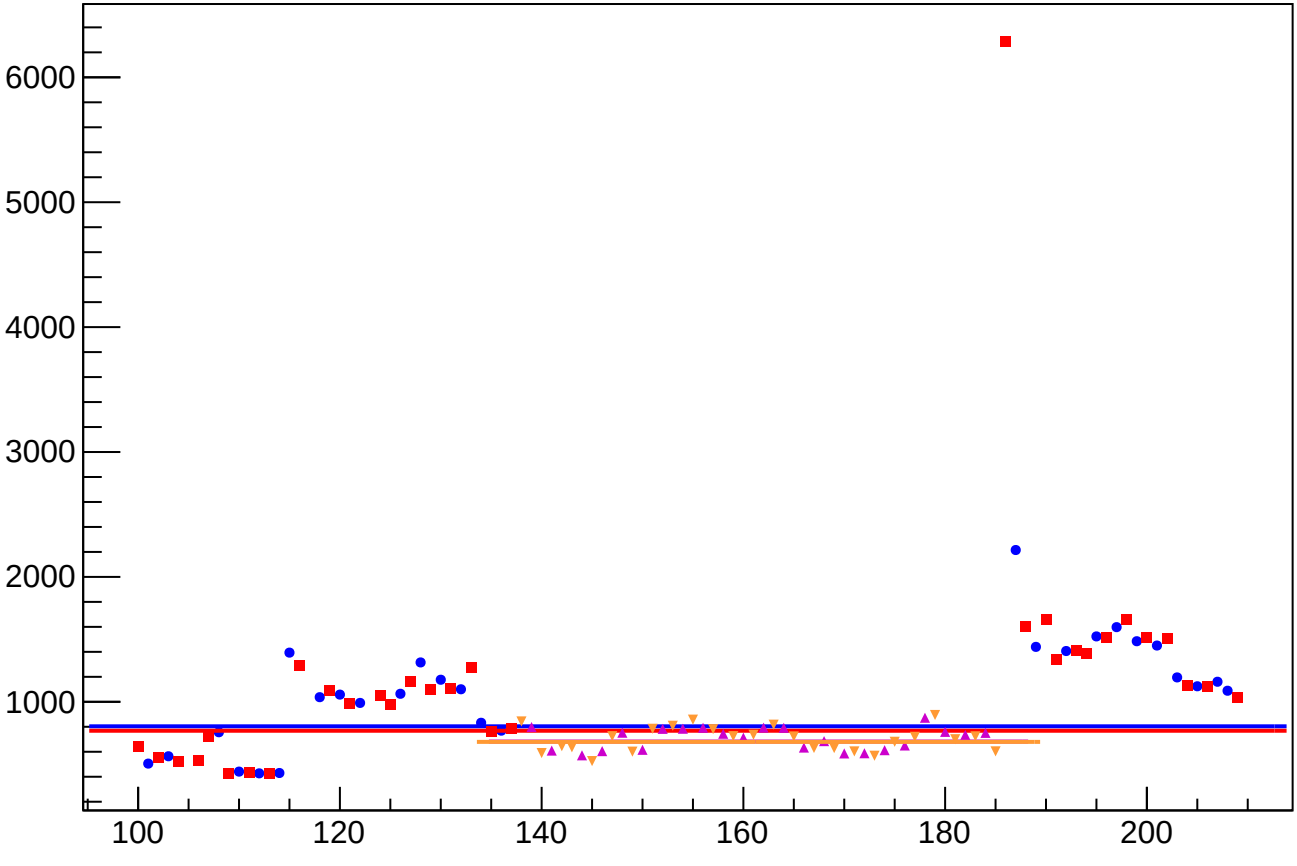
Right: 191.374+/-152.795 χ^2/NDF: 67.8/58

In: -34.067+/-130.571 χ^2/NDF:59.7/49

Out: -244.344+/-125.305 χ^2/NDF:102.0/56

All: -143.532+/-90.408 χ^2/NDF: 163.0/106

asym_sam_1548_avg_cor_correction_rms vs Slug, Sign Corrected



Right In: 803.740+/-0.158 χ^2/NDF: 5489244.2/26

Left Out: 679.146+/-0.111 χ^2/NDF:737418.6/24

Right Out: 768.330+/-0.148 χ^2/NDF: 7372093.9/31

Left In: 681.893+/-0.114 χ^2/NDF:573813.6/22

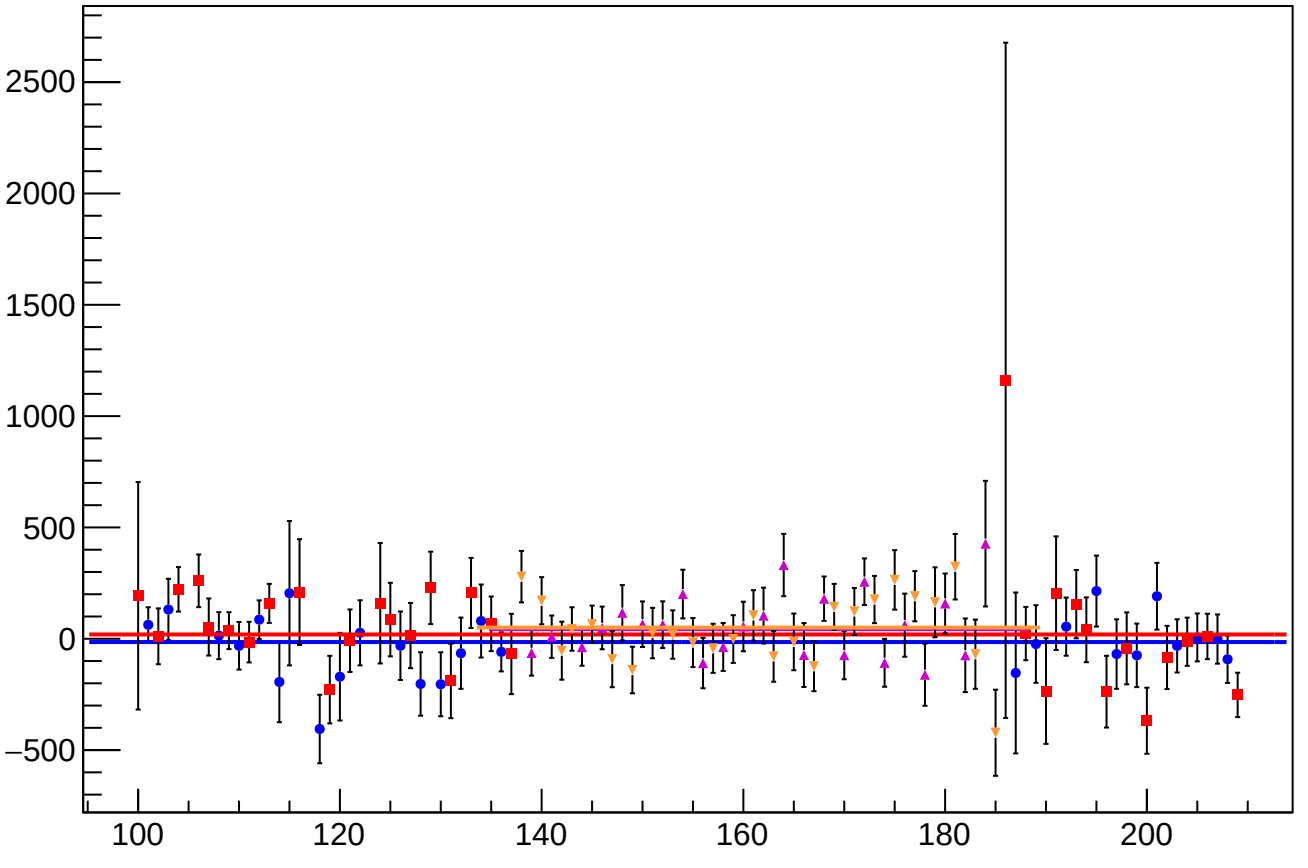
Left: 680.479+/-0.079 χ^2/NDF: 1311532.0/47

Right: 784.923+/-0.108 χ^2/NDF: 12888087.3/58

In: 723.589+/-0.092 χ^2/NDF:6455111.4/49

Out: 711.019+/-0.089 χ^2/NDF:8342185.7/56

All: 717.045+/-0.064 χ^2/NDF: 14806947.7/10



Right In: -14.741+/-24.802 χ^2/NDF: 21.6/26

Left Out: 50.322+/-22.958 χ^2/NDF:33.4/24

Right Out: 19.319+/-23.814 χ^2/NDF: 40.6/31

Left In: 43.026+/-23.758 χ^2/NDF:26.6/22

Left: 46.799+/-16.509 χ^2/NDF: 60.1/47

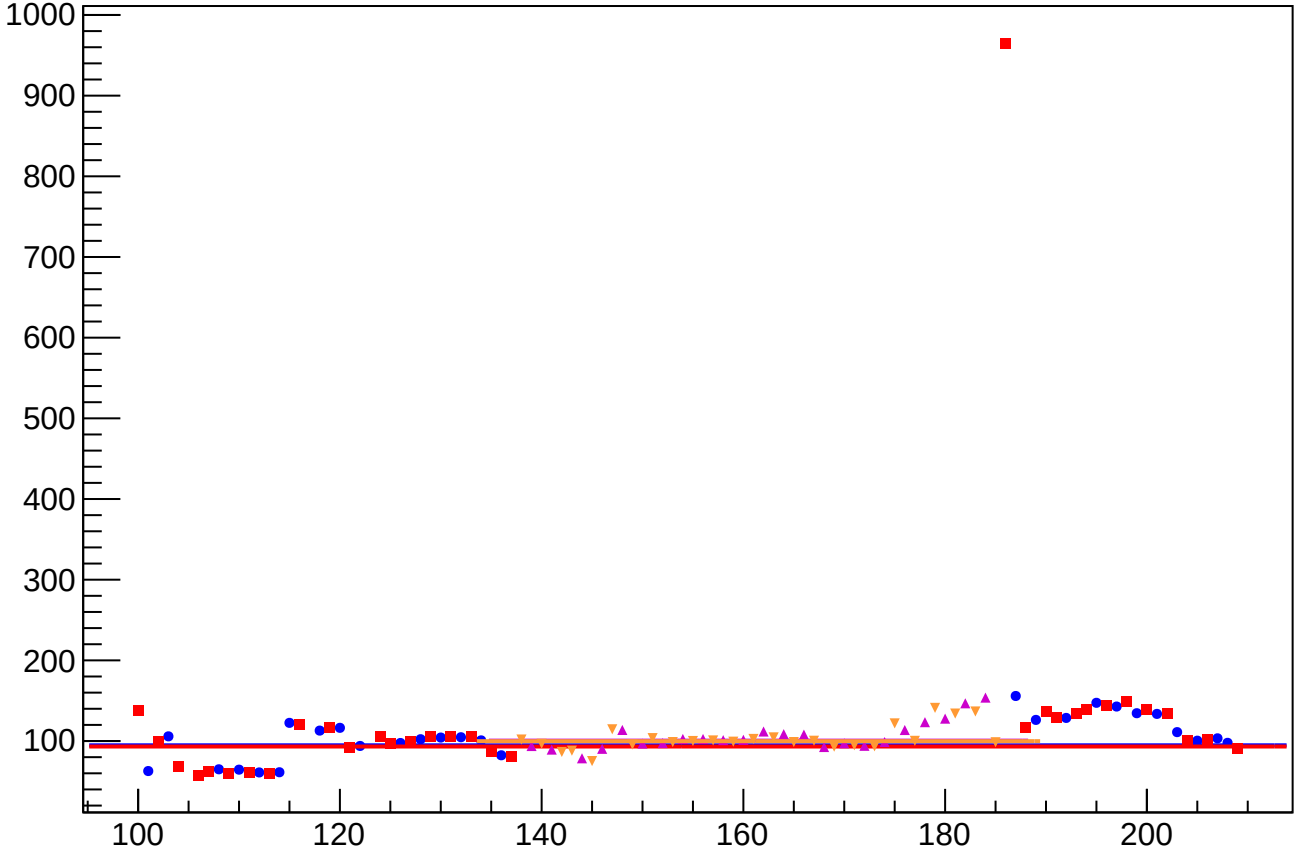
Right: 2.981+/-17.178 χ^2/NDF: 63.1/58

In: 15.384+/-17.157 χ^2/NDF:51.0/49

Out: 35.388+/-16.528 χ^2/NDF:74.9/56

All: 25.759+/-11.903 χ^2/NDF: 126.6/106

eigen_cor_asym_sam_1548_avg_rms vs Slug, Sign Corrected



Right In: 94.715+/-0.018 χ^2/NDF: 2174761.5/26

Left Out: 99.839+/-0.016 χ^2/NDF:697768.8/24

Right Out: 93.211+/-0.017 χ^2/NDF: 3429930.8/31

Left In: 100.498+/-0.017 χ^2/NDF:656850.1/22

Left: 100.157+/-0.012 χ^2/NDF: 1355414.8/47

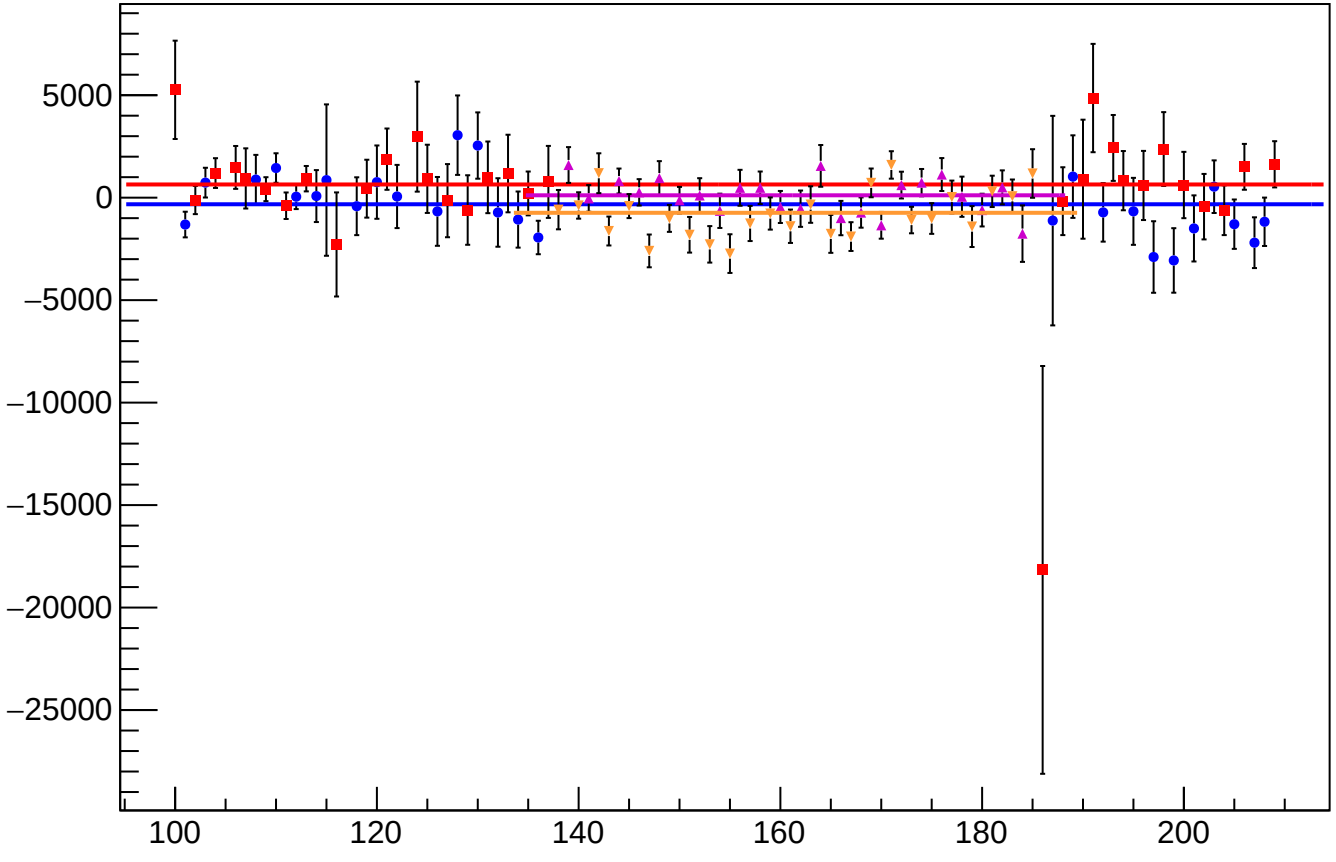
Right: 93.933+/-0.012 χ^2/NDF: 5608519.9/58

In: 97.731+/-0.012 χ^2/NDF:2888309.1/49

Out: 96.646+/-0.012 χ^2/NDF:4207997.1/56

All: 97.168+/-0.008 χ^2/NDF: 7100451.5/106

asym_sam_1548_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -321.842+/-223.205 χ^2/NDF: 33.4/26

Left Out: -738.352+/-156.311 χ^2/NDF:49.7/24

Right Out: 643.955+/-209.605 χ^2/NDF: 24.4/31

Left In: 115.639+/-160.990 χ^2/NDF:23.7/22

Left: -323.947+/-112.146 χ^2/NDF: 87.9/47

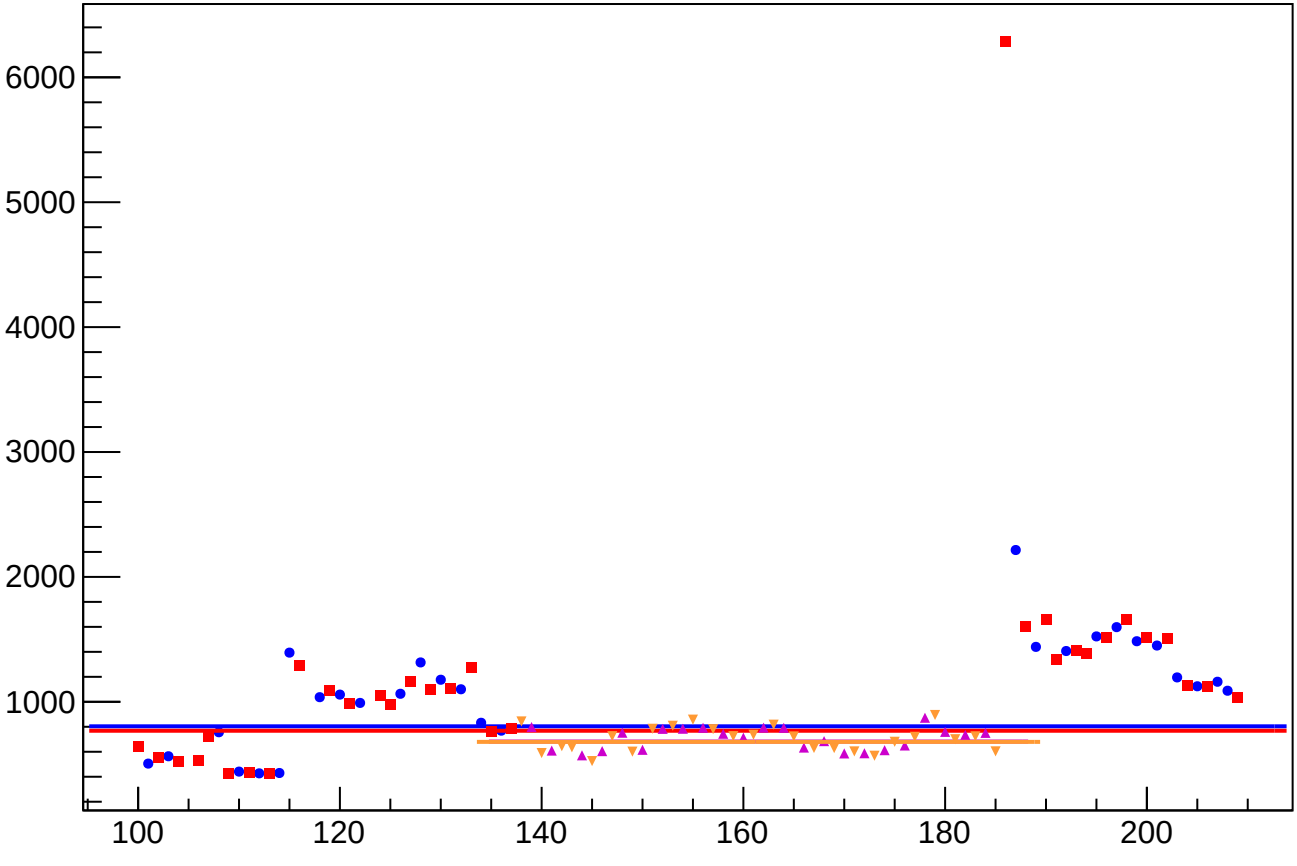
Right: 191.374+/-152.795 χ^2/NDF: 67.8/58

In: -34.067+/-130.571 χ^2/NDF:59.7/49

Out: -244.344+/-125.305 χ^2/NDF:102.0/56

All: -143.532+/-90.408 χ^2/NDF: 163.0/106

asym_sam_1548_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 803.740+/-0.158 χ^2/NDF: 5489244.2/26

Left Out: 679.146+/-0.111 χ^2/NDF:737418.6/24

Right Out: 768.330+/-0.148 χ^2/NDF: 7372093.9/31

Left In: 681.893+/-0.114 χ^2/NDF:573813.6/22

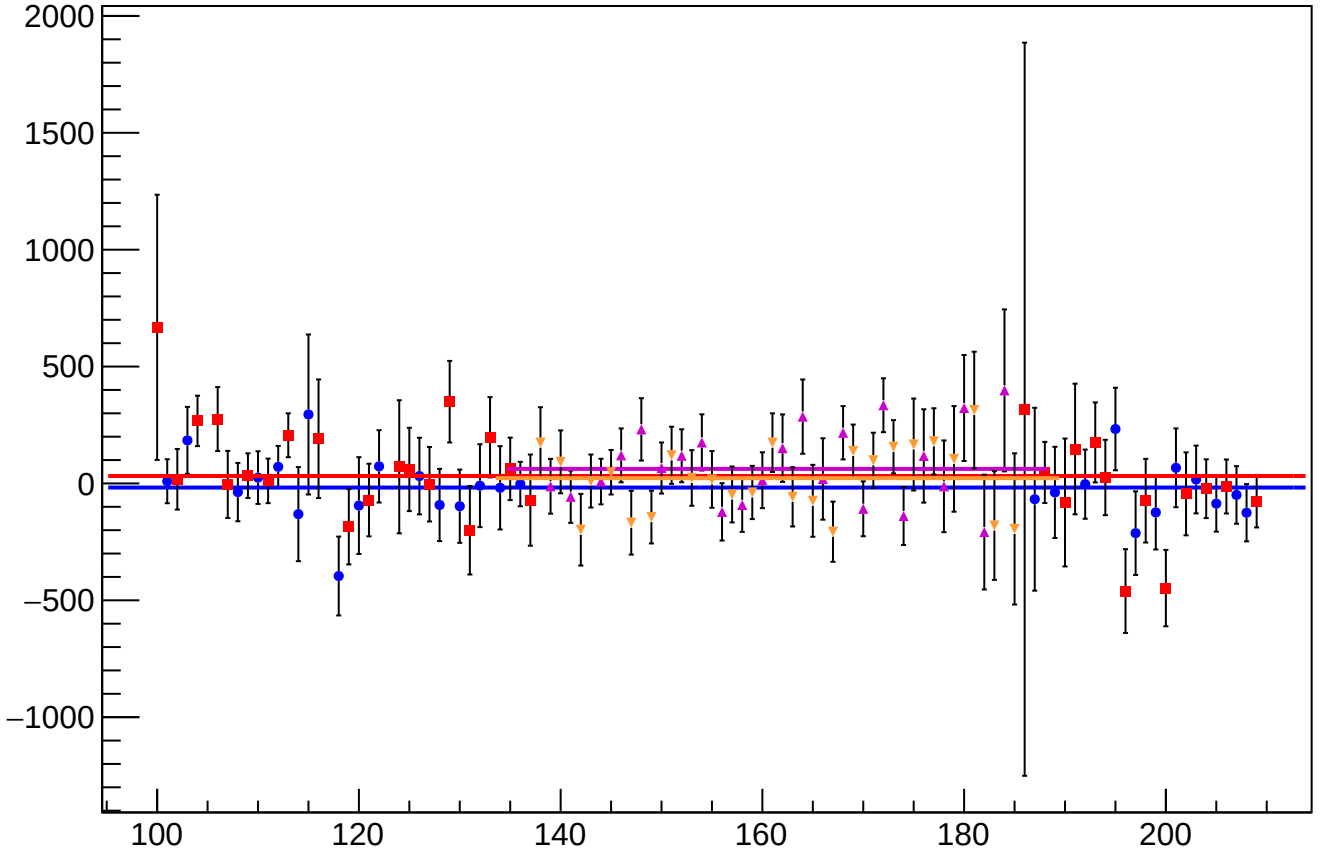
Left: 680.479+/-0.079 χ^2/NDF: 1311532.0/47

Right: 784.923+/-0.108 χ^2/NDF: 12888087.3/58

In: 723.589+/-0.092 χ^2/NDF:6455111.4/49

Out: 711.019+/-0.089 χ^2/NDF:8342185.7/56

All: 717.045+/-0.064 χ^2/NDF: 14806947.7/10



Right In: -17.568+/-27.485 χ^2/NDF: 15.7/26

Left Out: 22.542+/-26.643 χ^2/NDF:21.6/24

Right Out: 31.786+/-26.301 χ^2/NDF: 40.6/31

Left In: 62.169+/-27.339 χ^2/NDF:27.3/22

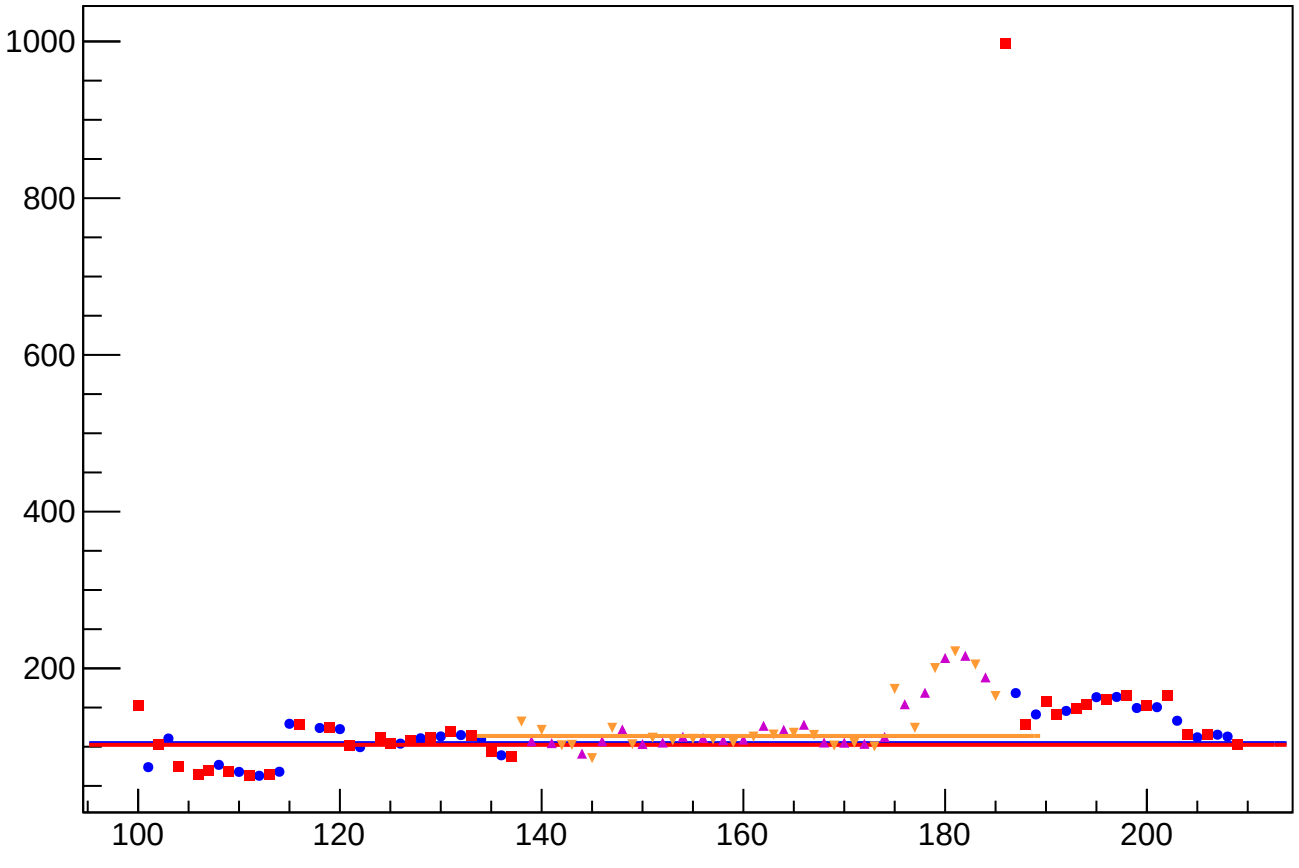
Left: 41.845+/-19.081 χ^2/NDF: 50.0/47

Right: 8.196+/-19.002 χ^2/NDF: 58.0/58

In: 22.514+/-19.383 χ^2/NDF:47.2/49

Out: 27.224+/-18.717 χ^2/NDF:62.3/56

All: 24.951+/-13.464 χ^2/NDF: 109.6/106



Right In: 104.583+/-0.019 χ^2/NDF: 2284957.5/26

Left Out: 113.766+/-0.019 χ^2/NDF:1579920.3/24

Right Out: 102.428+/-0.019 χ^2/NDF: 3585818.0/31

Left In: 113.677+/-0.019 χ^2/NDF:1316044.6/22

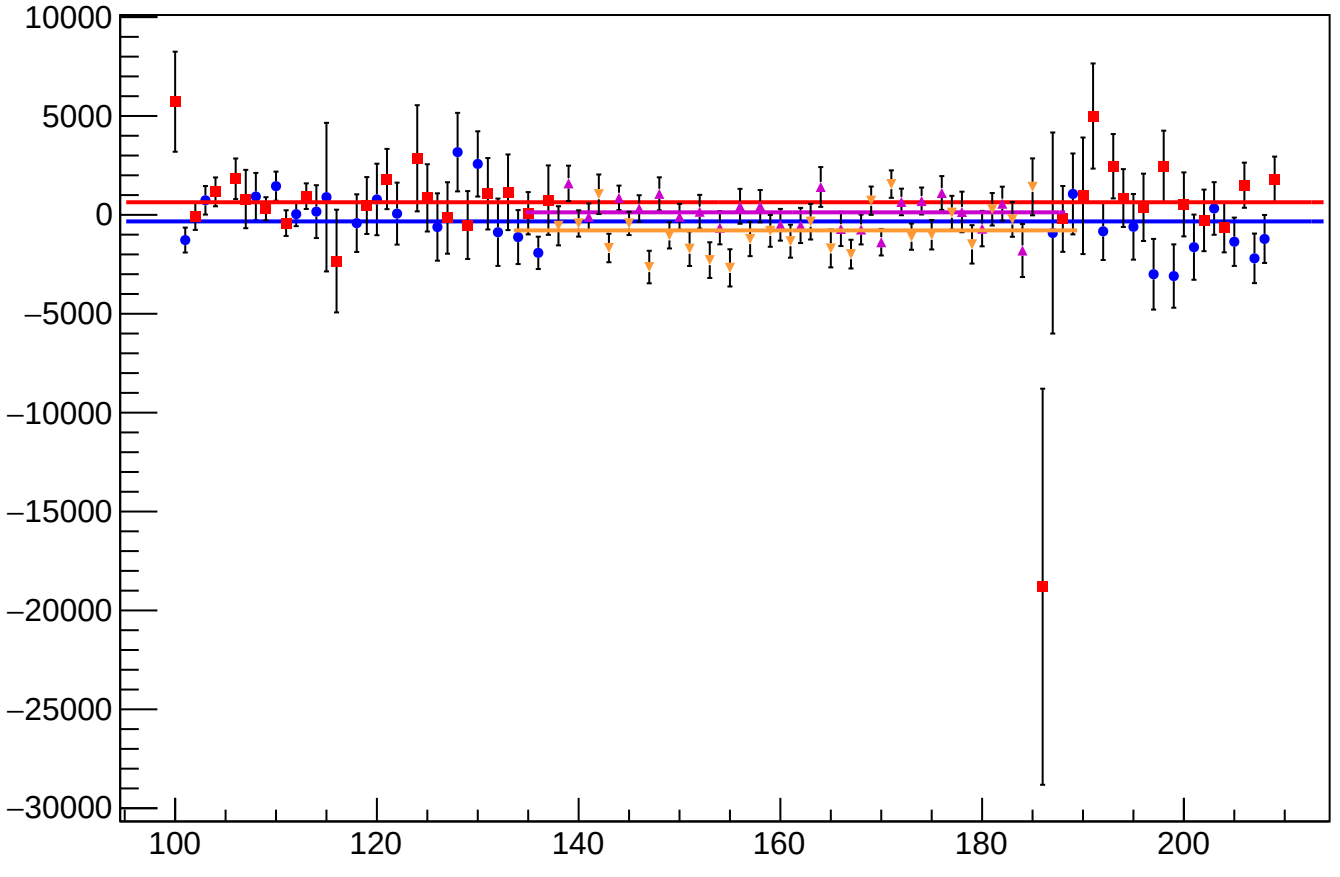
Left: 113.723+/-0.013 χ^2/NDF: 2895975.8/47

Right: 103.458+/-0.013 χ^2/NDF: 5877193.8/58

In: 109.154+/-0.014 χ^2/NDF:3711049.7/49

Out: 108.024+/-0.013 χ^2/NDF:5349169.6/56

All: 108.569+/-0.010 χ^2/NDF: 9063739.5/106



Right In: -330.696+/-225.885 χ^2/NDF: 33.1/26

Left Out: -784.286+/-160.482 χ^2/NDF:45.4/24

Right Out: 638.101+/-211.913 χ^2/NDF: 25.8/31

Left In: 128.155+/-165.255 χ^2/NDF:22.7/22

Left: -341.434+/-115.128 χ^2/NDF: 83.8/47

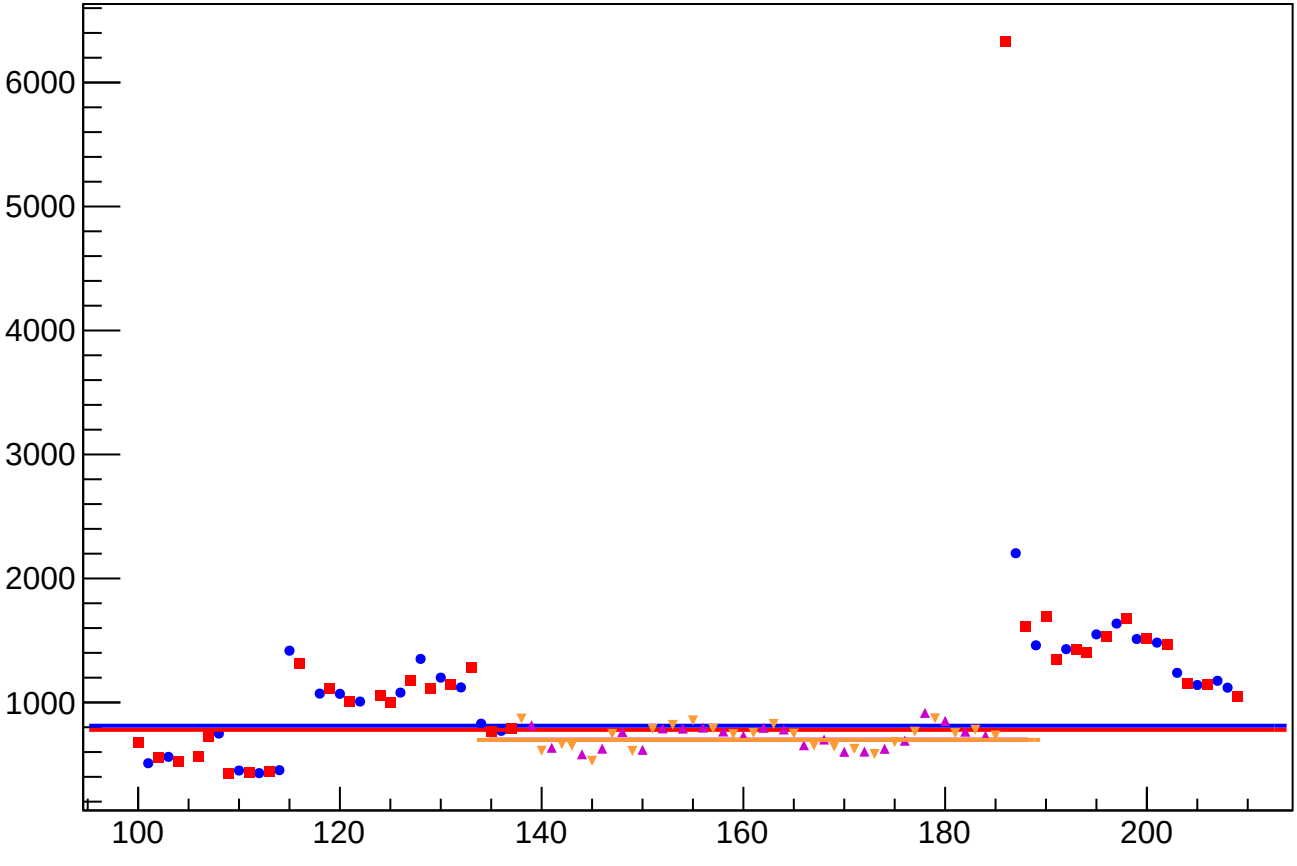
Right: 184.591+/-154.549 χ^2/NDF: 68.7/58

In: -31.813+/-133.373 χ^2/NDF:58.5/49

Out: -265.860+/-127.936 χ^2/NDF:99.9/56

All: -153.705+/-92.327 χ^2/NDF: 160.0/106

asym_sam_1548_avg_dit_correction_rms vs Slug, Sign Corrected



Right In: 812.294+/-0.160 χ^2/NDF: 5583020.3/26

Left Out: 698.237+/-0.113 χ^2/NDF:714686.8/24

Right Out: 779.114+/-0.150 χ^2/NDF: 7319150.6/31

Left In: 700.079+/-0.117 χ^2/NDF:584318.7/22

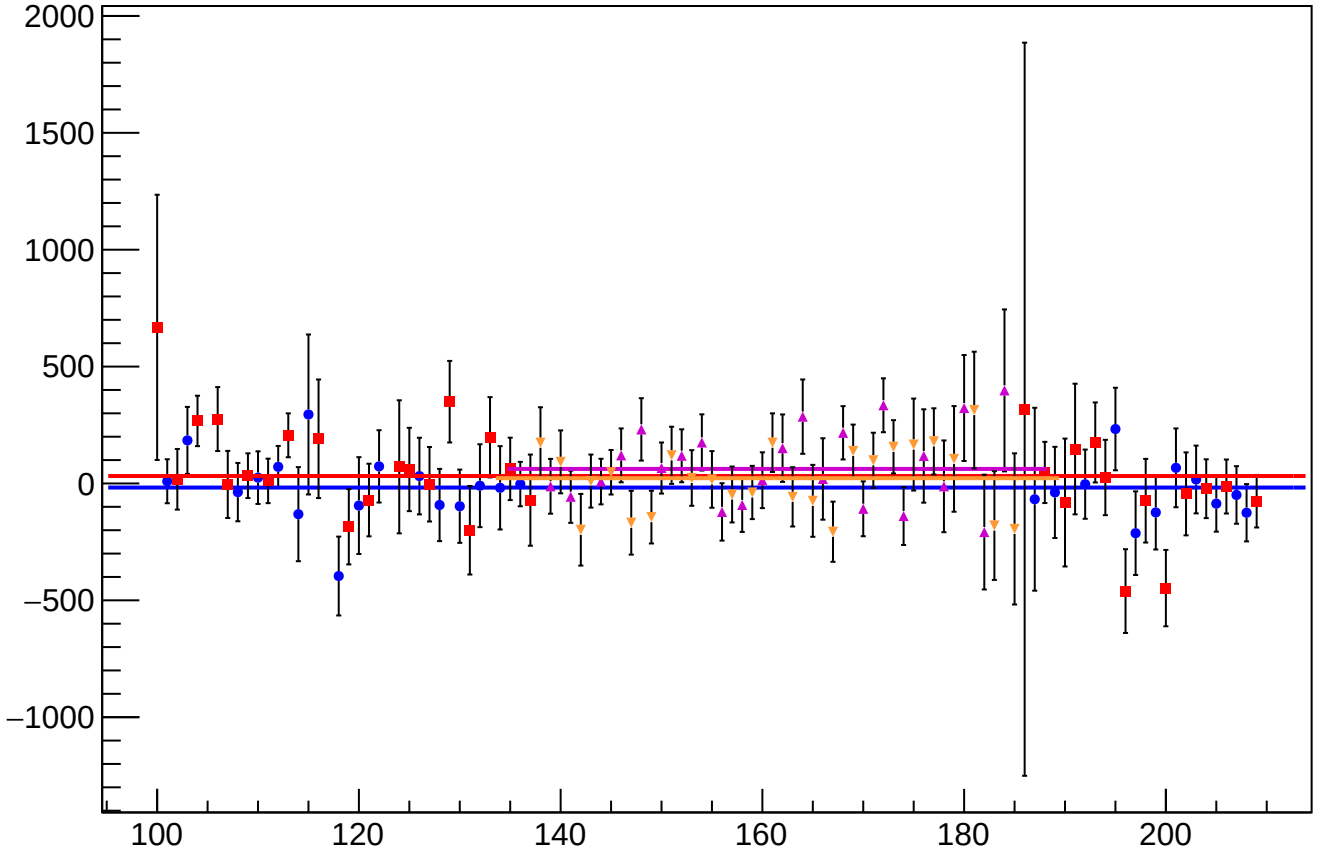
Left: 699.131+/-0.081 χ^2/NDF: 1299133.4/47

Right: 794.646+/-0.109 χ^2/NDF: 12925122.7/58

In: 739.200+/-0.094 χ^2/NDF:6488839.3/49

Out: 727.715+/-0.090 χ^2/NDF:8218976.3/56

All: 733.219+/-0.065 χ^2/NDF: 14715540.0/10



Right In: -17.566+/-27.485 χ^2/NDF: 15.7/26

Left Out: 22.544+/-26.643 χ^2/NDF:21.6/24

Right Out: 31.786+/-26.301 χ^2/NDF: 40.6/31

Left In: 62.169+/-27.339 χ^2/NDF:27.3/22

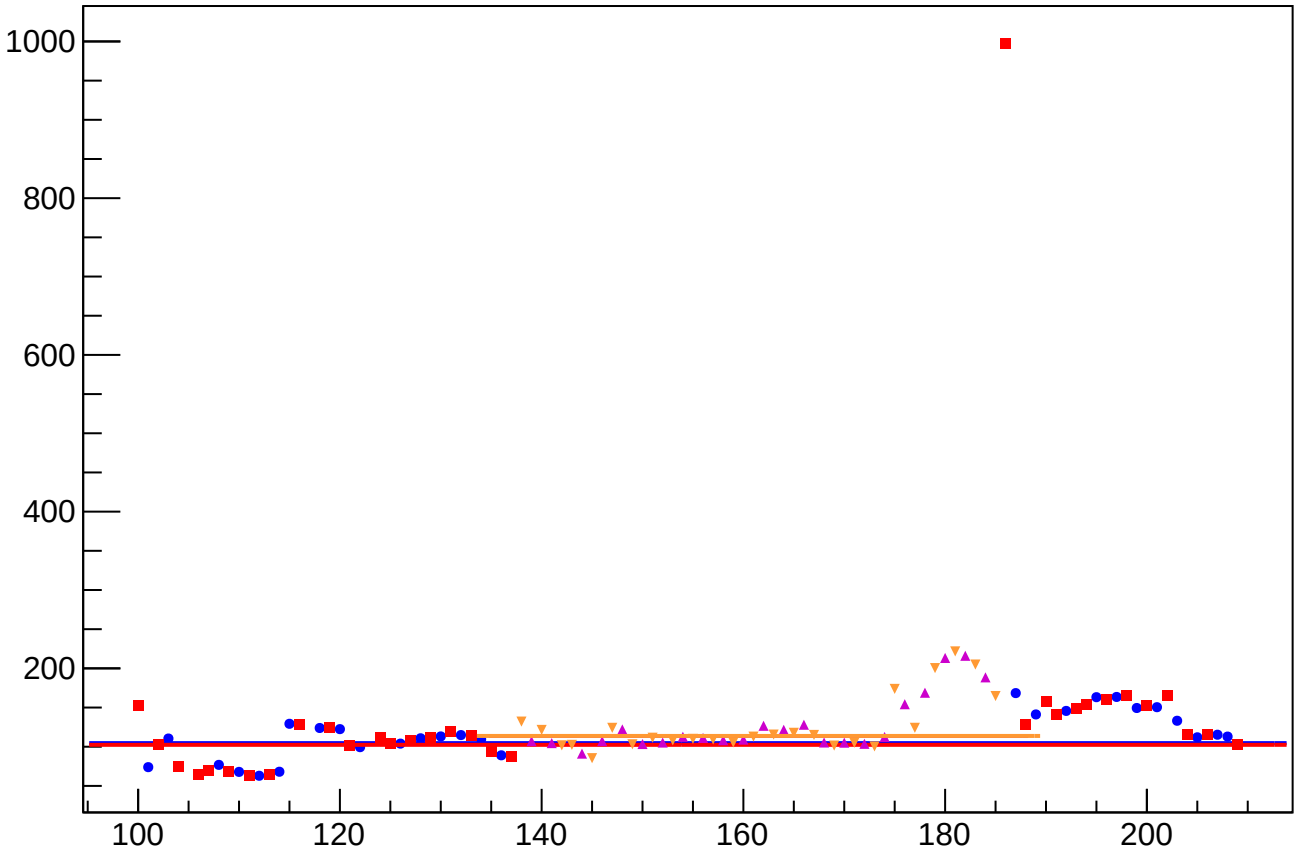
Left: 41.846+/-19.081 χ^2/NDF: 50.0/47

Right: 8.196+/-19.002 χ^2/NDF: 58.0/58

In: 22.514+/-19.383 χ^2/NDF:47.2/49

Out: 27.225+/-18.717 χ^2/NDF:62.3/56

All: 24.952+/-13.464 χ^2/NDF: 109.6/106



Right In: 104.583+/-0.019 χ^2/NDF: 2284944.2/26

Left Out: 113.766+/-0.019 χ^2/NDF:1579910.8/24

Right Out: 102.428+/-0.019 χ^2/NDF: 3585822.4/31

Left In: 113.677+/-0.019 χ^2/NDF:1316023.5/22

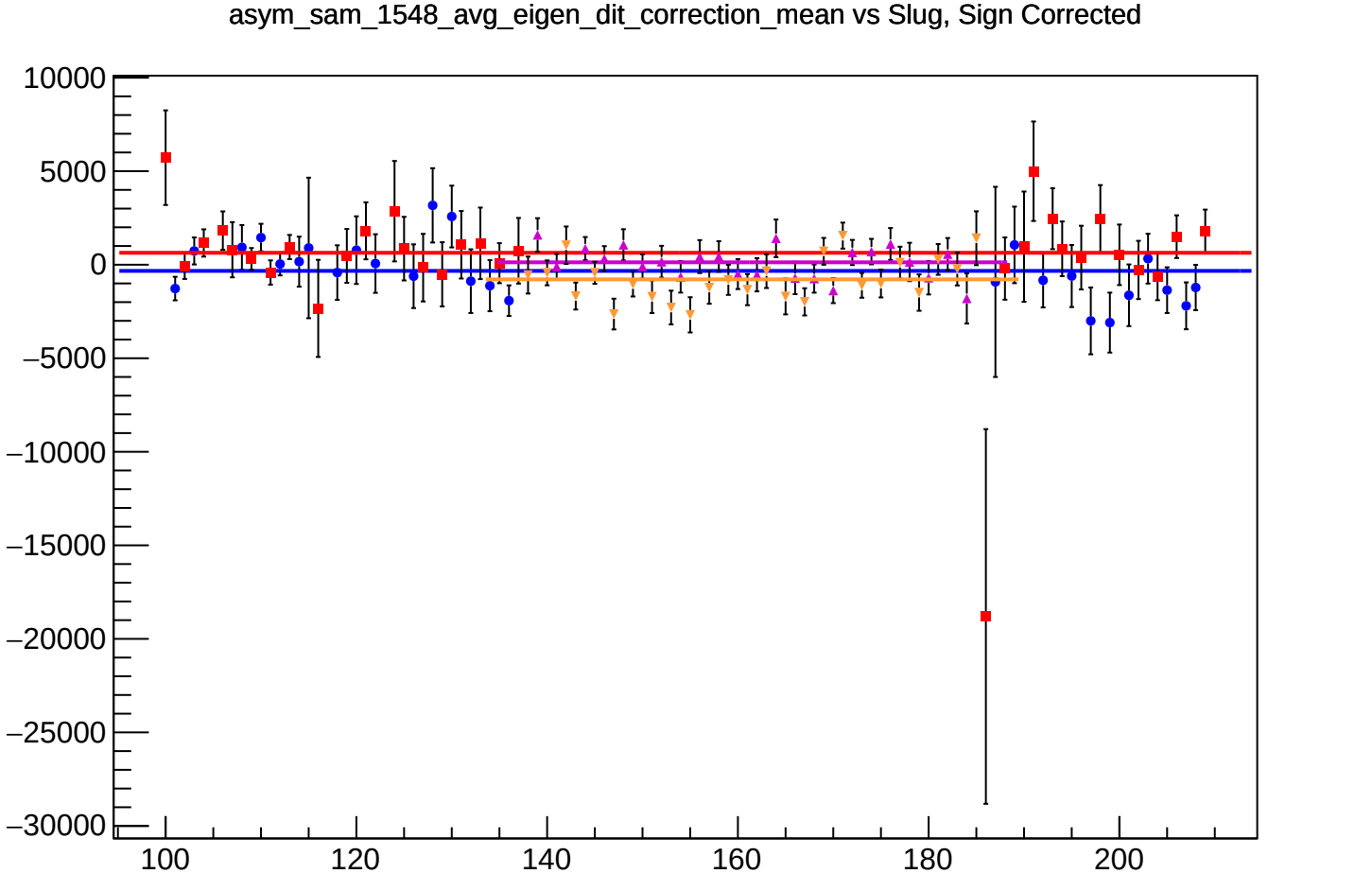
Left: 113.723+/-0.013 χ^2/NDF: 2895945.2/47

Right: 103.458+/-0.013 χ^2/NDF: 5877184.8/58

In: 109.154+/-0.014 χ^2/NDF:3711020.8/49

Out: 108.024+/-0.013 χ^2/NDF:5349169.8/56

All: 108.569+/-0.010 χ^2/NDF: 9063710.8/106



Right In: -330.696+/-225.885 χ^2/NDF: 33.1/26

Left Out: -784.284+/-160.482 χ^2/NDF:45.4/24

Right Out: 638.100+/-211.913 χ^2/NDF: 25.8/31

Left In: 128.154+/-165.255 χ^2/NDF:22.7/22

Left: -341.433+/-115.128 χ^2/NDF: 83.8/47

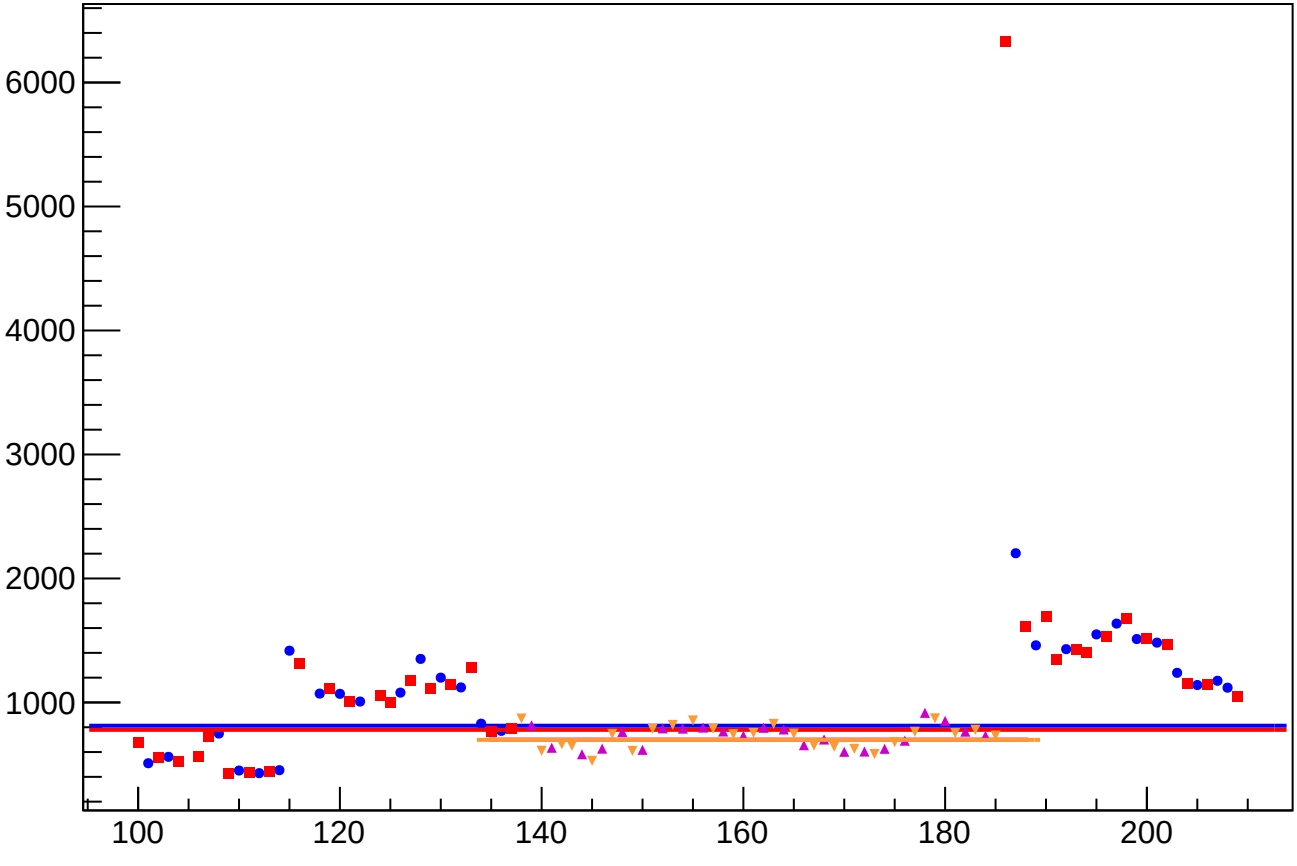
Right: 184.590+/-154.549 χ^2/NDF: 68.7/58

In: -31.814+/-133.373 χ^2/NDF:58.5/49

Out: -265.859+/-127.936 χ^2/NDF:99.9/56

All: -153.705+/-92.327 χ^2/NDF: 160.0/106

asym_sam_1548_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 812.293+/-0.160 χ^2/NDF: 5583021.6/26

Left Out: 698.236+/-0.113 χ^2/NDF:714685.1/24

Right Out: 779.113+/-0.150 χ^2/NDF: 7319147.3/31

Left In: 700.079+/-0.117 χ^2/NDF:584314.1/22

Left: 699.130+/-0.081 χ^2/NDF: 1299127.2/47

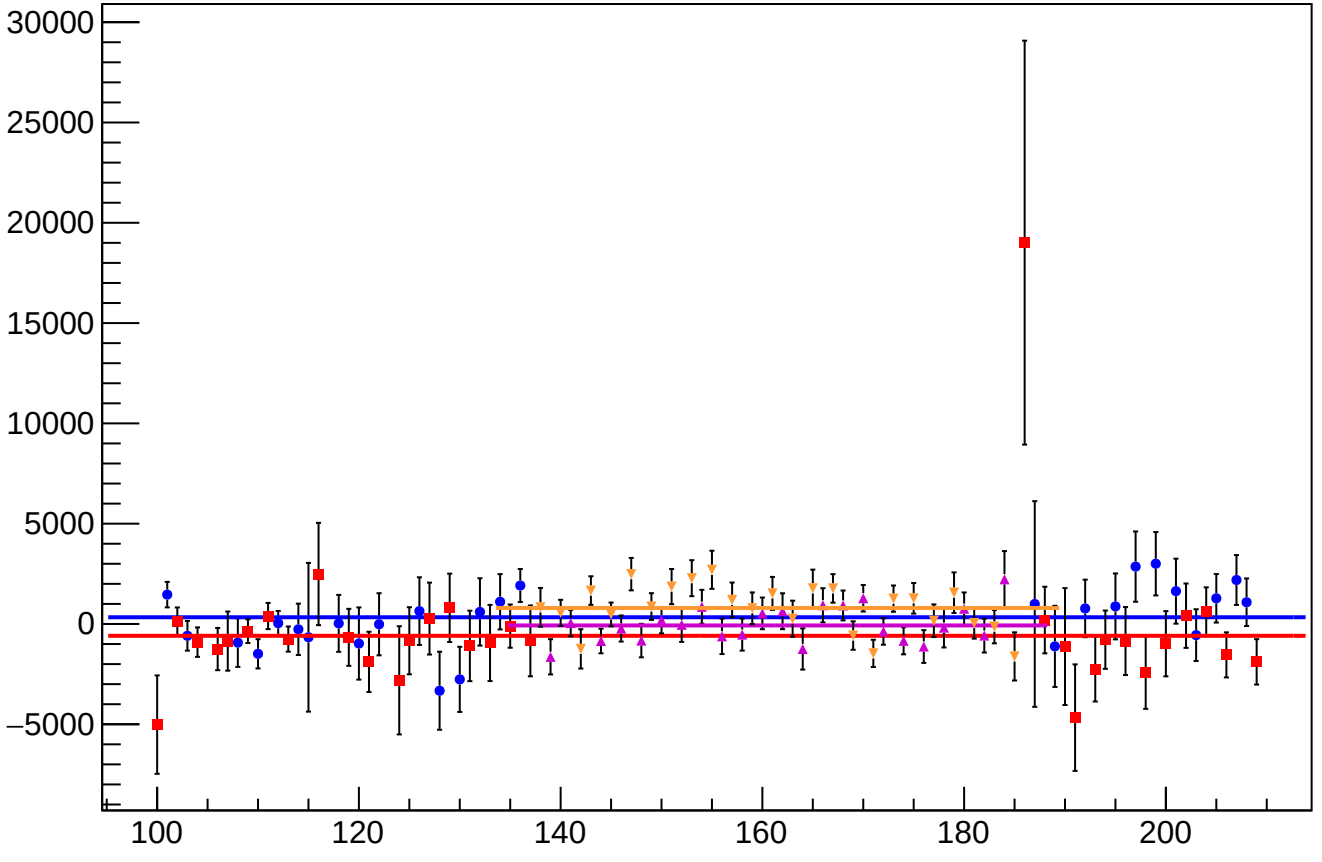
Right: 794.645+/-0.109 χ^2/NDF: 12925120.5/58

In: 739.200+/-0.094 χ^2/NDF:6488834.8/49

Out: 727.714+/-0.090 χ^2/NDF:8218971.4/56

All: 733.218+/-0.065 χ^2/NDF: 14715530.7/10

asym_sam_1548_avg_mean vs Slug, Sign Corrected



Right In: 334.444+/-225.267 χ^2/NDF: 34.5/26

Left Out: 796.905+/-158.142 χ^2/NDF:46.4/24

Right Out: -589.849+/-211.485 χ^2/NDF: 23.5/31

Left In: -73.501+/-162.879 χ^2/NDF:24.9/22

Left: 374.544+/-113.461 χ^2/NDF: 86.0/47

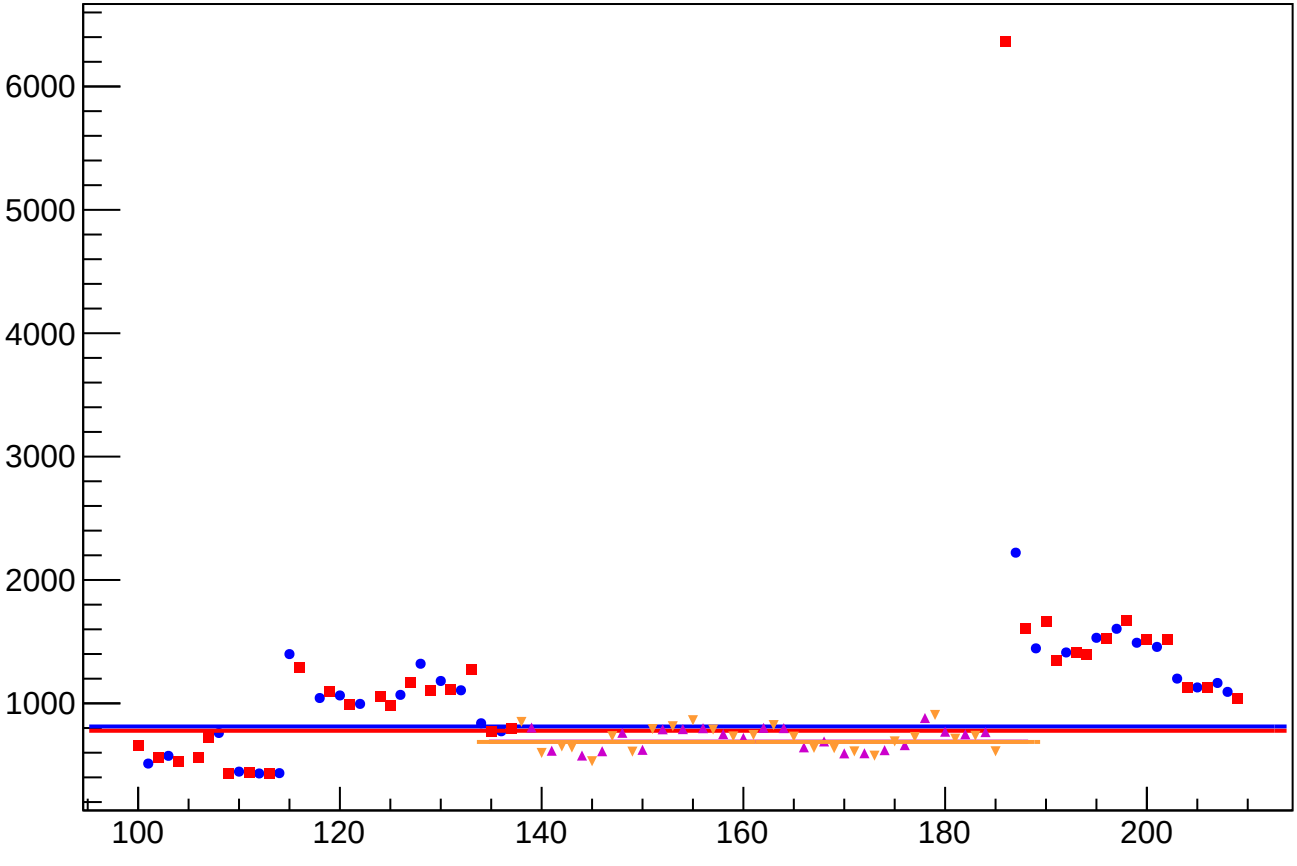
Right: -156.839+/-154.185 χ^2/NDF: 67.0/58

In: 66.553+/-131.991 χ^2/NDF:61.5/49

Out: 299.577+/-126.649 χ^2/NDF:97.5/56

All: 187.876+/-91.385 χ^2/NDF: 160.7/106

asym_sam_1548_avg_rms vs Slug, Sign Corrected



Right In: 812.429+/-0.159 χ^2/NDF: 5402960.2/26

Left Out: 687.243+/-0.112 χ^2/NDF:727994.0/24

Right Out: 777.773+/-0.150 χ^2/NDF: 7258775.4/31

Left In: 689.997+/-0.115 χ^2/NDF:567089.0/22

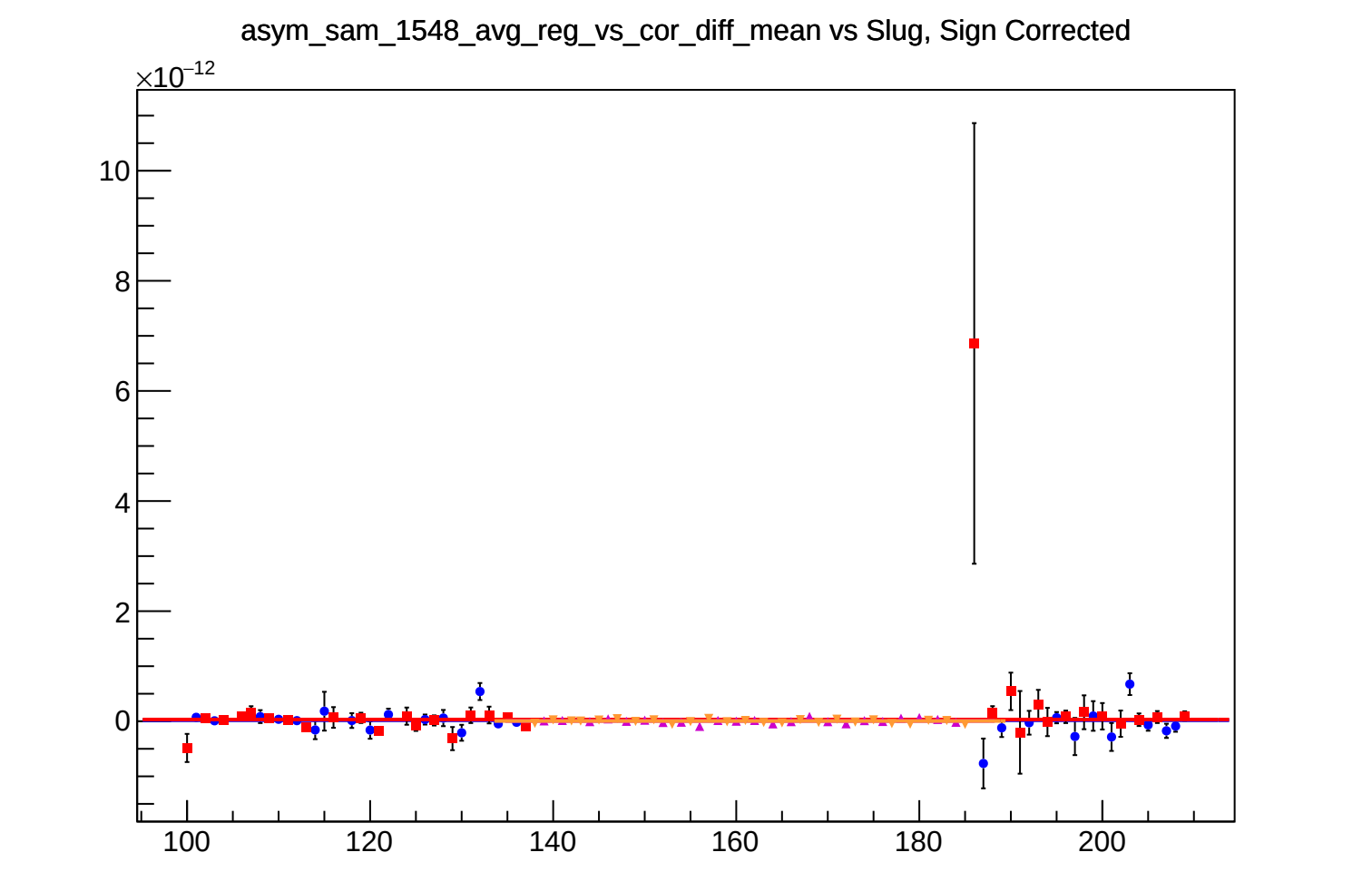
Left: 688.579+/-0.080 χ^2/NDF: 1295377.3/47

Right: 794.009+/-0.109 χ^2/NDF: 12686895.8/58

In: 732.030+/-0.093 χ^2/NDF:6358006.0/49

Out: 719.709+/-0.090 χ^2/NDF:8221822.6/56

All: 725.615+/-0.065 χ^2/NDF: 14588901.1/10



Right In: 0.000+/-0.000 χ^2/NDF: 44.9/26

Left Out: 0.000+/-0.000 χ^2/NDF:22.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 34.9/31

Left In: 0.000+/-0.000 χ^2/NDF:26.4/22

Left: 0.000+/-0.000 χ^2/NDF: 48.4/47

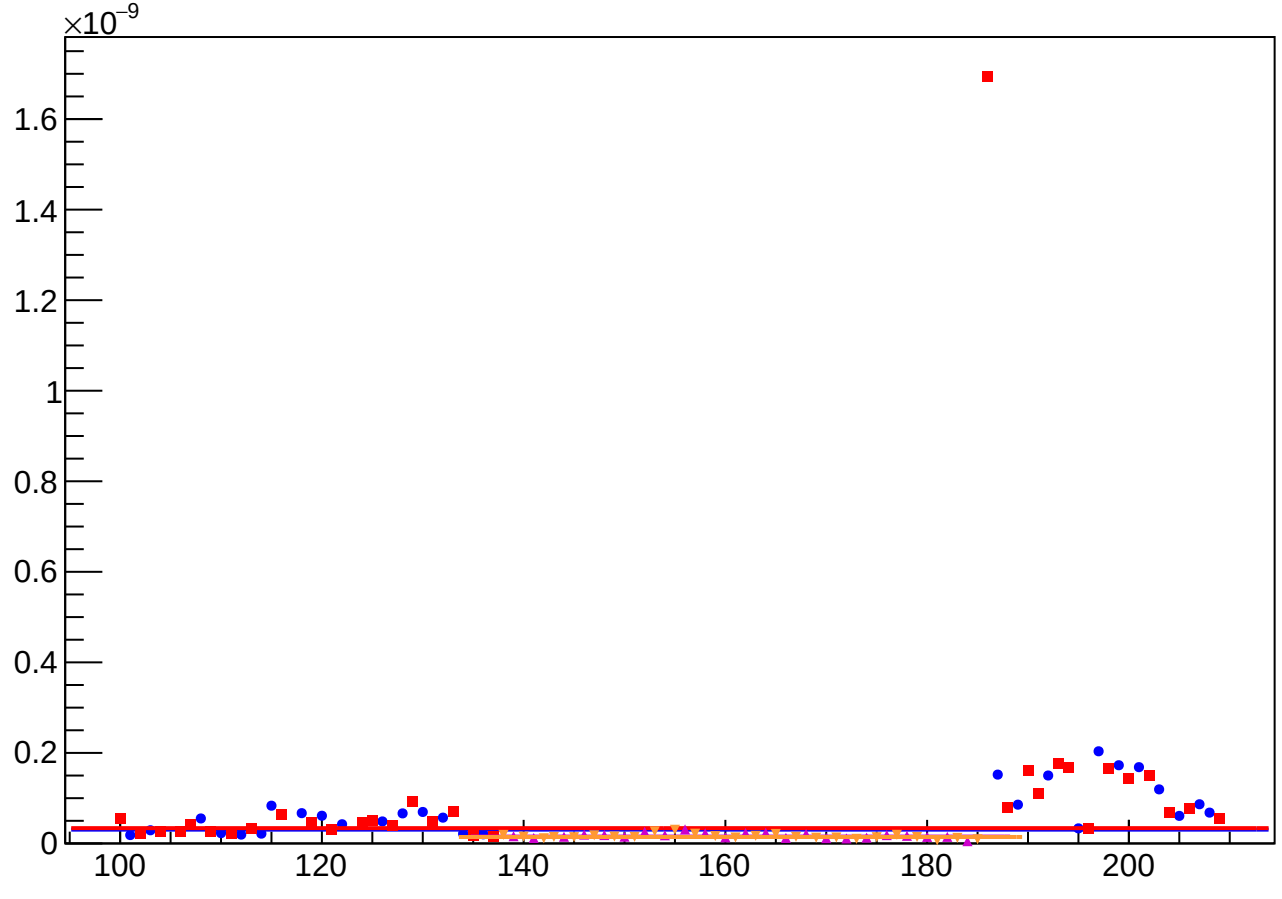
Right: 0.000+/-0.000 χ^2/NDF: 80.2/58

In: 0.000+/-0.000 χ^2/NDF:72.0/49

Out: 0.000+/-0.000 χ^2/NDF:59.5/56

All: 0.000+/-0.000 χ^2/NDF: 131.5/106

asym_sam_1548_avg_reg_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 5427676.0/26

Left Out: 0.000+/-0.000 χ^2/NDF:992947.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 5221938.0/31

Left In: 0.000+/-0.000 χ^2/NDF:1107168.2/22

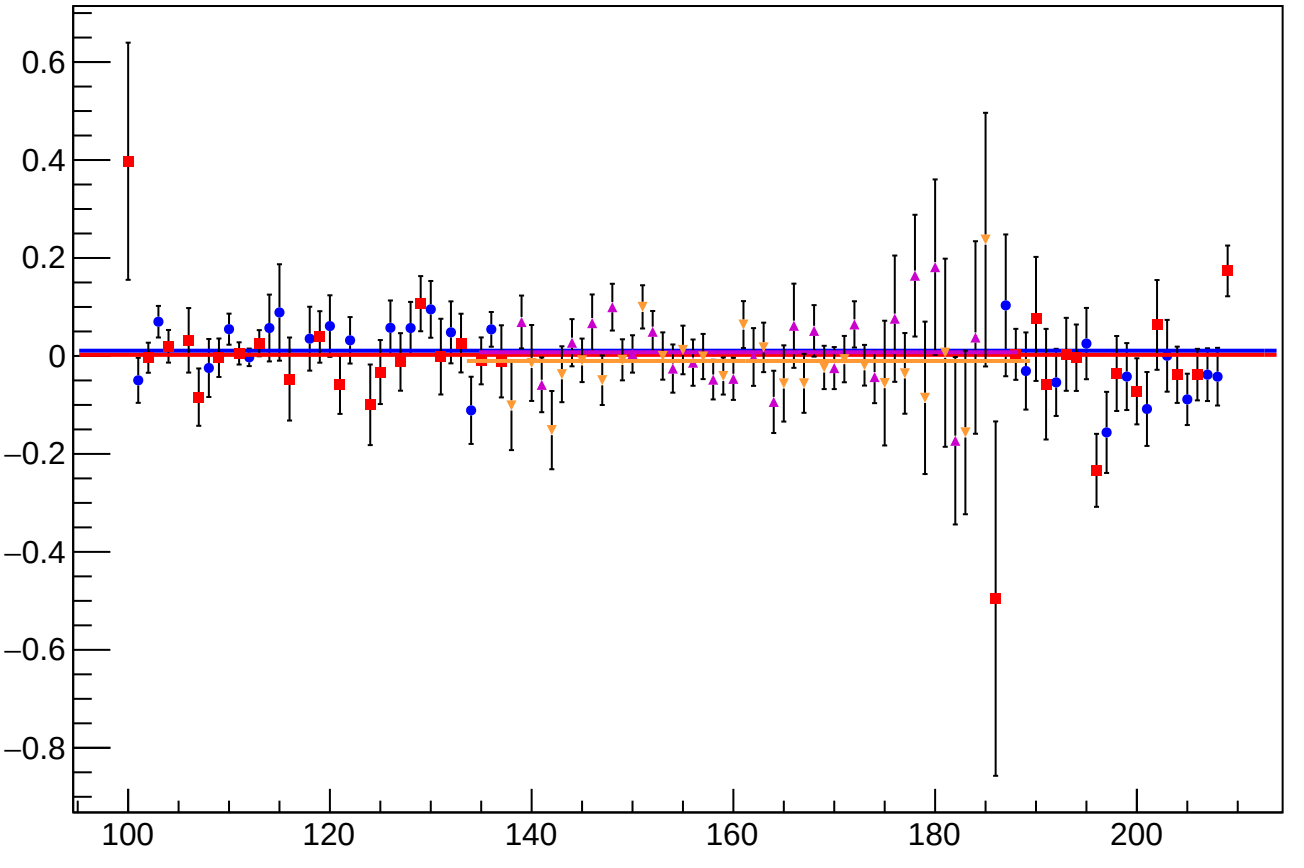
Left: 0.000+/-0.000 χ^2/NDF: 2124302.0/47

Right: 0.000+/-0.000 χ^2/NDF: 10698623.2/58

In: 0.000+/-0.000 χ^2/NDF:8457052.4/49

Out: 0.000+/-0.000 χ^2/NDF:9097426.0/56

All: 0.000+/-0.000 χ^2/NDF: 17580091.9/106



Right In: 0.011+/-0.009 χ^2/NDF: 32.6/26

Left Out: -0.010+/-0.011 χ^2/NDF:18.1/24

Right Out: 0.002+/-0.009 χ^2/NDF: 40.2/31

Left In: 0.008+/-0.011 χ^2/NDF:23.3/22

Left: -0.001+/-0.008 χ^2/NDF: 42.6/47

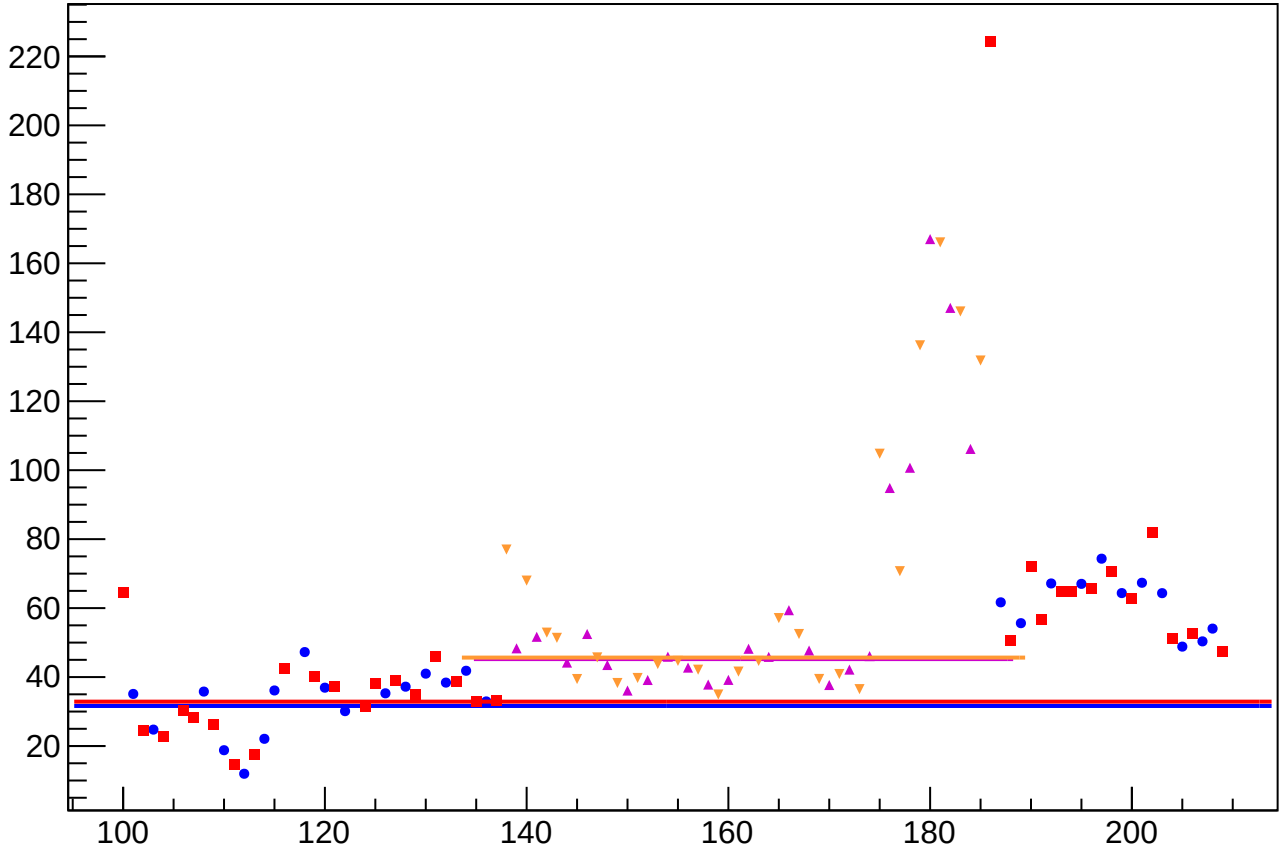
Right: 0.006+/-0.007 χ^2/NDF: 73.2/58

In: 0.009+/-0.007 χ^2/NDF:56.0/49

Out: -0.003+/-0.007 χ^2/NDF:59.0/56

All: 0.003+/-0.005 χ^2/NDF: 116.4/106

asym_sam_1548_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 31.618+/-0.007 χ^2/NDF: 7055783.3/26

Left Out: 45.650+/-0.008 χ^2/NDF:4015230.2/24

Right Out: 32.873+/-0.006 χ^2/NDF: 6970407.6/31

Left In: 45.217+/-0.008 χ^2/NDF:2992534.4/22

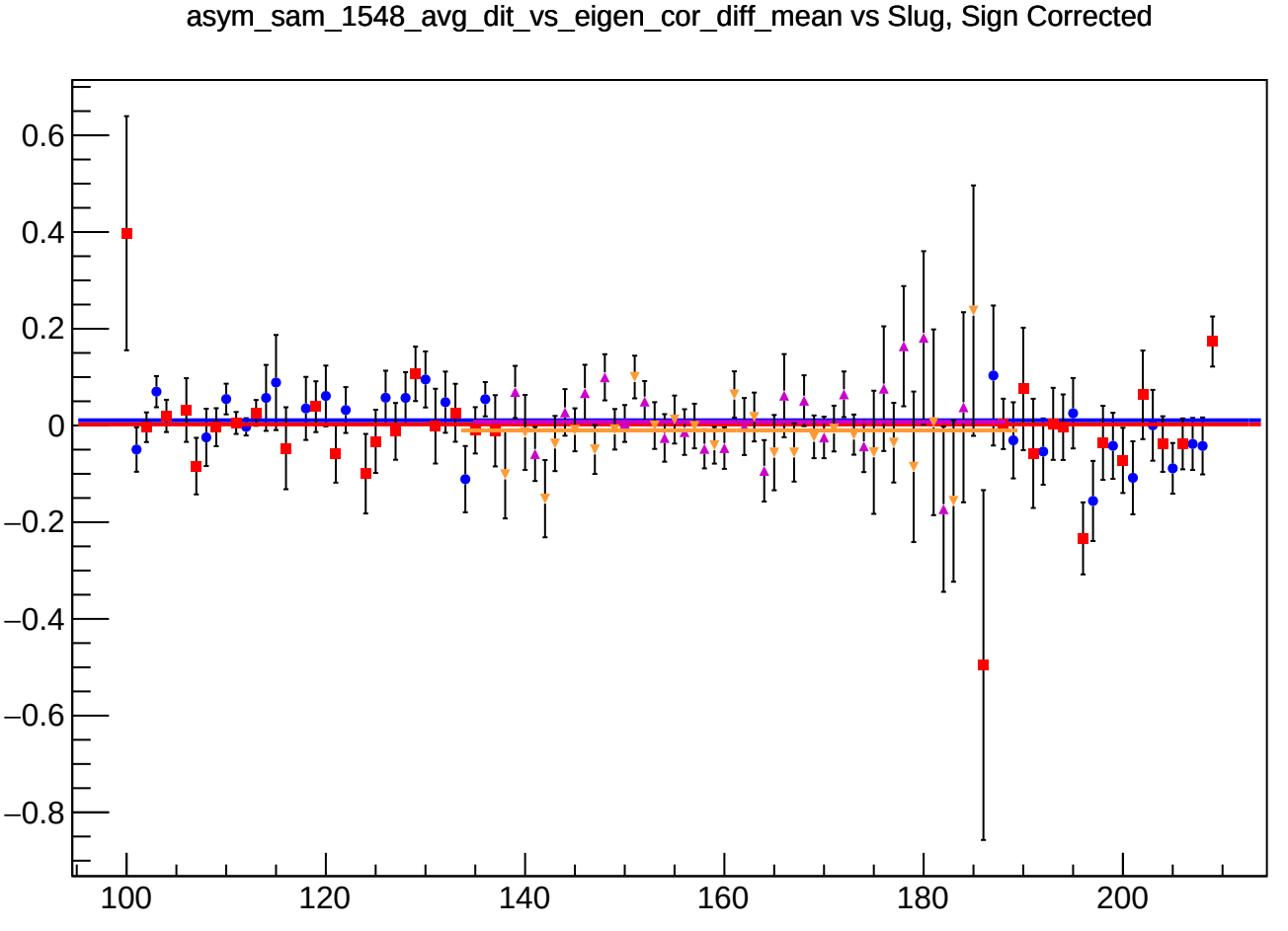
Left: 45.436+/-0.006 χ^2/NDF: 7009219.9/47

Right: 32.255+/-0.005 χ^2/NDF: 14044801.4/58

In: 37.018+/-0.005 χ^2/NDF:11759540.4/49

Out: 37.937+/-0.005 χ^2/NDF:12535945.4/56

All: 37.484+/-0.004 χ^2/NDF: 24312060.2/106



Right In: 0.011+/-0.009 χ^2/NDF: 32.6/26

Left Out: -0.010+/-0.011 χ^2/NDF:18.1/24

Right Out: 0.002+/-0.009 χ^2/NDF: 40.2/31

Left In: 0.008+/-0.011 χ^2/NDF:23.3/22

Left: -0.001+/-0.008 χ^2/NDF: 42.6/47

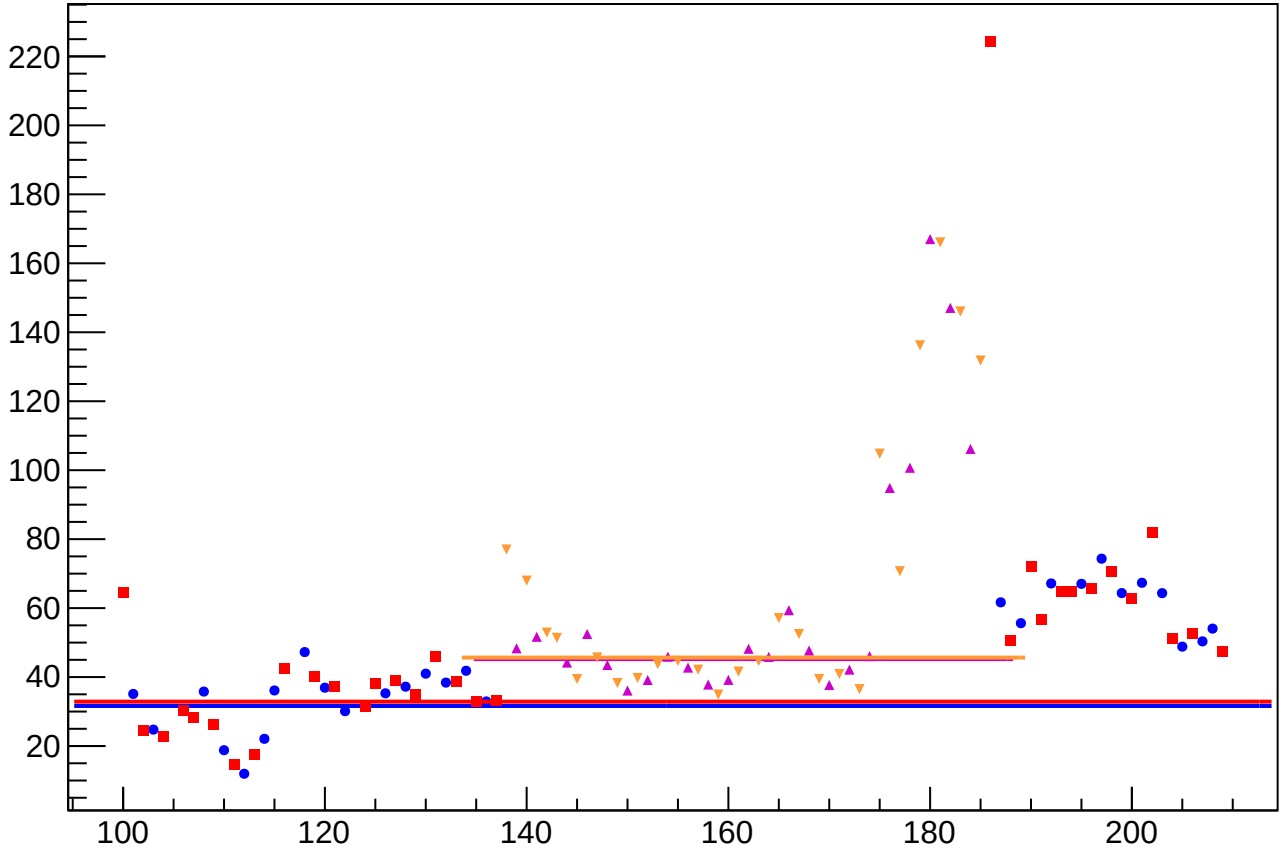
Right: 0.006+/-0.007 χ^2/NDF: 73.2/58

In: 0.009+/-0.007 χ^2/NDF:56.0/49

Out: -0.003+/-0.007 χ^2/NDF:59.0/56

All: 0.003+/-0.005 χ^2/NDF: 116.4/106

asym_sam_1548_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 31.618+/-0.007 χ^2/NDF: 7055783.3/26

Left Out: 45.650+/-0.008 χ^2/NDF:4015230.2/24

Right Out: 32.873+/-0.006 χ^2/NDF: 6970407.6/31

Left In: 45.217+/-0.008 χ^2/NDF:2992534.4/22

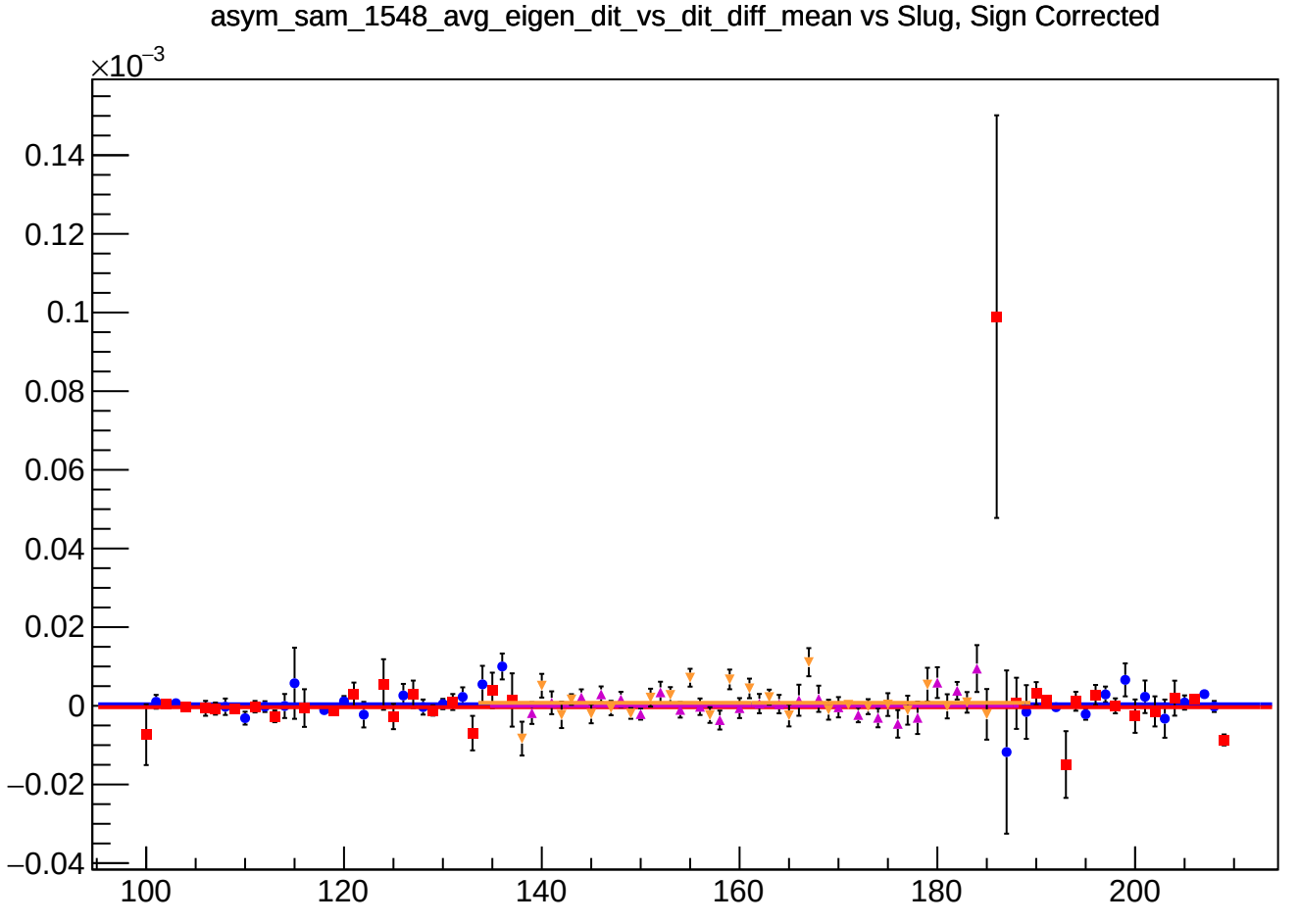
Left: 45.436+/-0.006 χ^2/NDF: 7009219.9/47

Right: 32.255+/-0.005 χ^2/NDF: 14044801.4/58

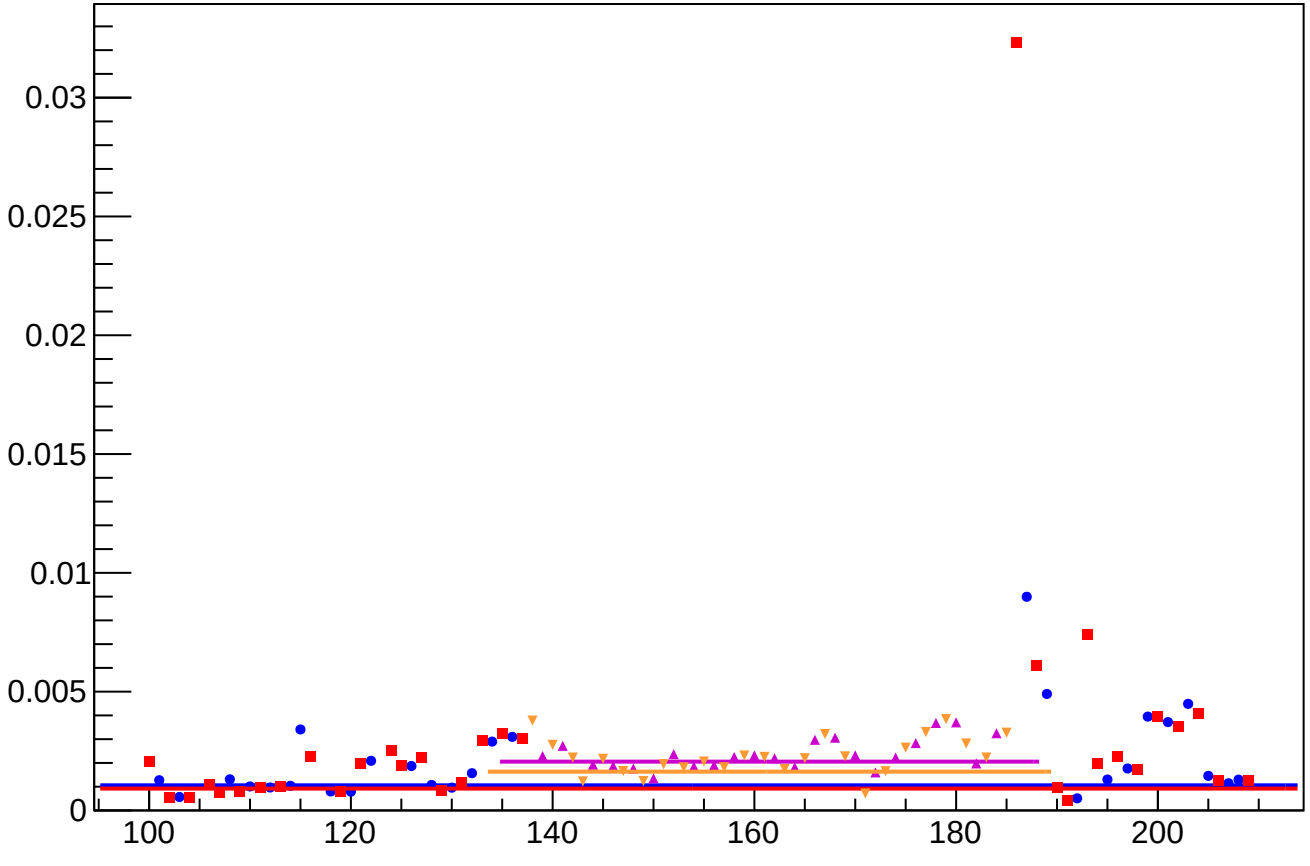
In: 37.018+/-0.005 χ^2/NDF:11759540.4/49

Out: 37.937+/-0.005 χ^2/NDF:12535945.4/56

All: 37.484+/-0.004 χ^2/NDF: 24312060.2/106


asym_sam_1548_avg_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected
×10⁻³
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0
−0.02
−0.04
100
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 32.7/26
Left Out: 0.000+/-0.000 χ²/NDF:46.2/24
Right Out: -0.000+/-0.000 χ²/NDF: 66.1/31
Left In: -0.000+/-0.000 χ²/NDF:24.5/22
Left: 0.000+/-0.000 χ²/NDF: 72.0/47
Right: -0.000+/-0.000 χ²/NDF: 101.7/58
In: 0.000+/-0.000 χ²/NDF:57.6/49
Out: 0.000+/-0.000 χ²/NDF:117.2/56
All: 0.000+/-0.000 χ²/NDF: 175.3/106

asym_sam_1548_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.001+/-0.000 χ^2/NDF: 7512250.8/26

Left Out: 0.002+/-0.000 χ^2/NDF:6495366.7/24

Right Out: 0.001+/-0.000 χ^2/NDF: 12036092.0/31

Left In: 0.002+/-0.000 χ^2/NDF:2093048.8/22

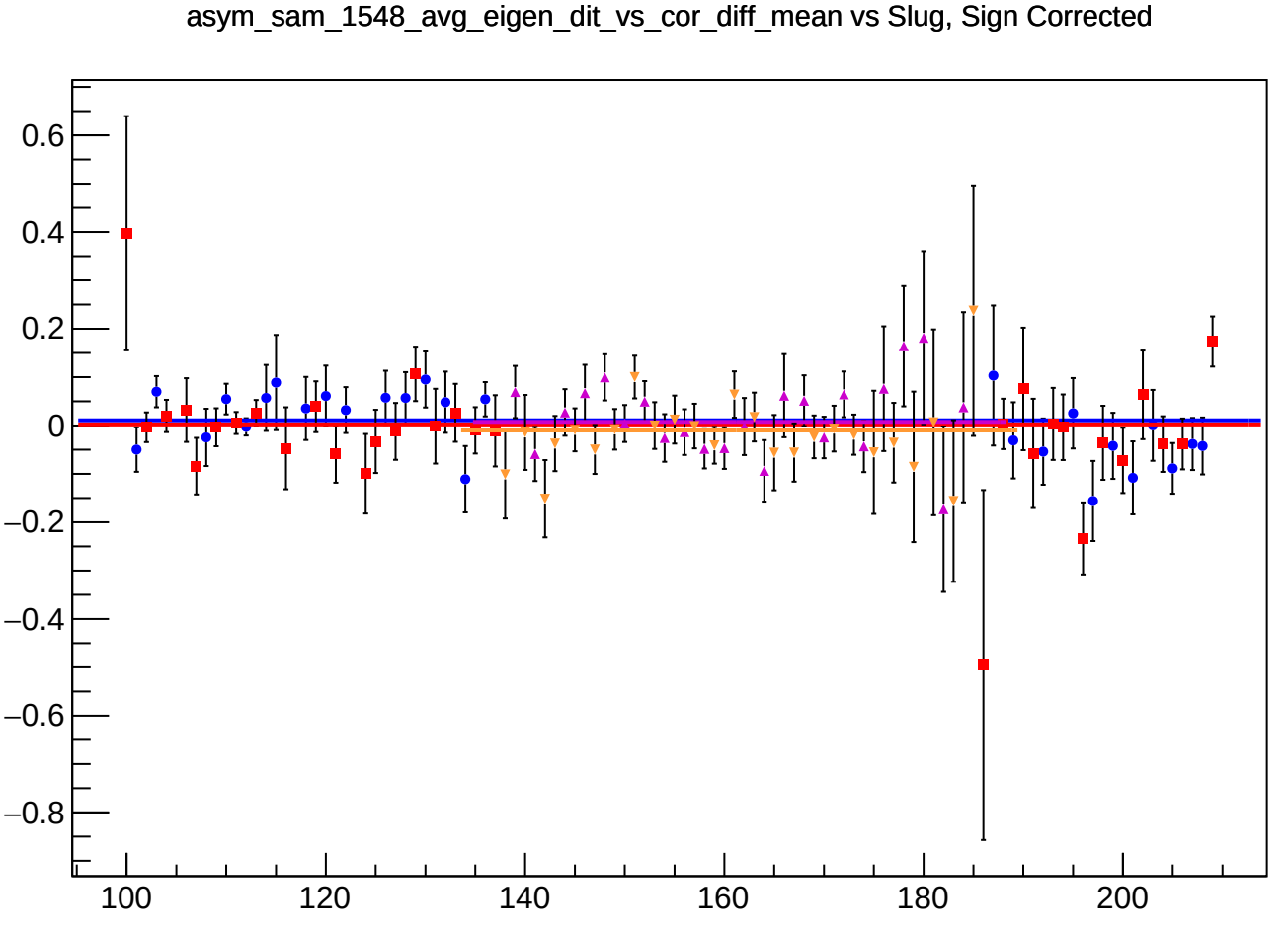
Left: 0.002+/-0.000 χ^2/NDF: 9430299.1/47

Right: 0.001+/-0.000 χ^2/NDF: 19750409.2/58

In: 0.001+/-0.000 χ^2/NDF:15177591.5/49

Out: 0.001+/-0.000 χ^2/NDF:22589660.6/56

All: 0.001+/-0.000 χ^2/NDF: 38388691.9/106



Right In: 0.011+/-0.009 χ^2/NDF: 32.6/26

Left Out: -0.010+/-0.011 χ^2/NDF:18.1/24

Right Out: 0.002+/-0.009 χ^2/NDF: 40.2/31

Left In: 0.008+/-0.011 χ^2/NDF:23.3/22

Left: -0.001+/-0.008 χ^2/NDF: 42.6/47

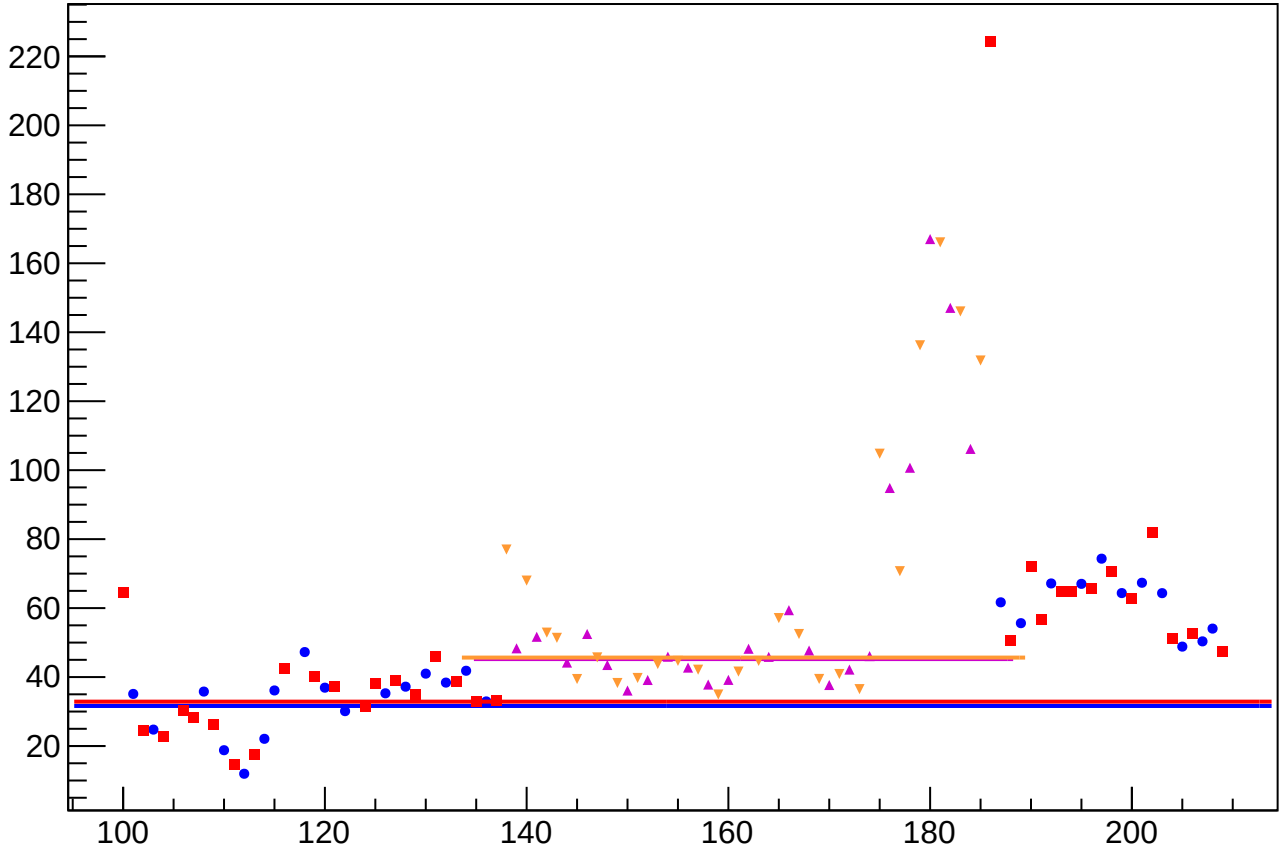
Right: 0.006+/-0.007 χ^2/NDF: 73.2/58

In: 0.009+/-0.007 χ^2/NDF:56.0/49

Out: -0.003+/-0.007 χ^2/NDF:59.0/56

All: 0.003+/-0.005 χ^2/NDF: 116.4/106

asym_sam_1548_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 31.618+/-0.007 χ^2/NDF: 7056055.4/26

Left Out: 45.651+/-0.008 χ^2/NDF:4015154.4/24

Right Out: 32.873+/-0.006 χ^2/NDF: 6970663.9/31

Left In: 45.218+/-0.008 χ^2/NDF:2992449.1/22

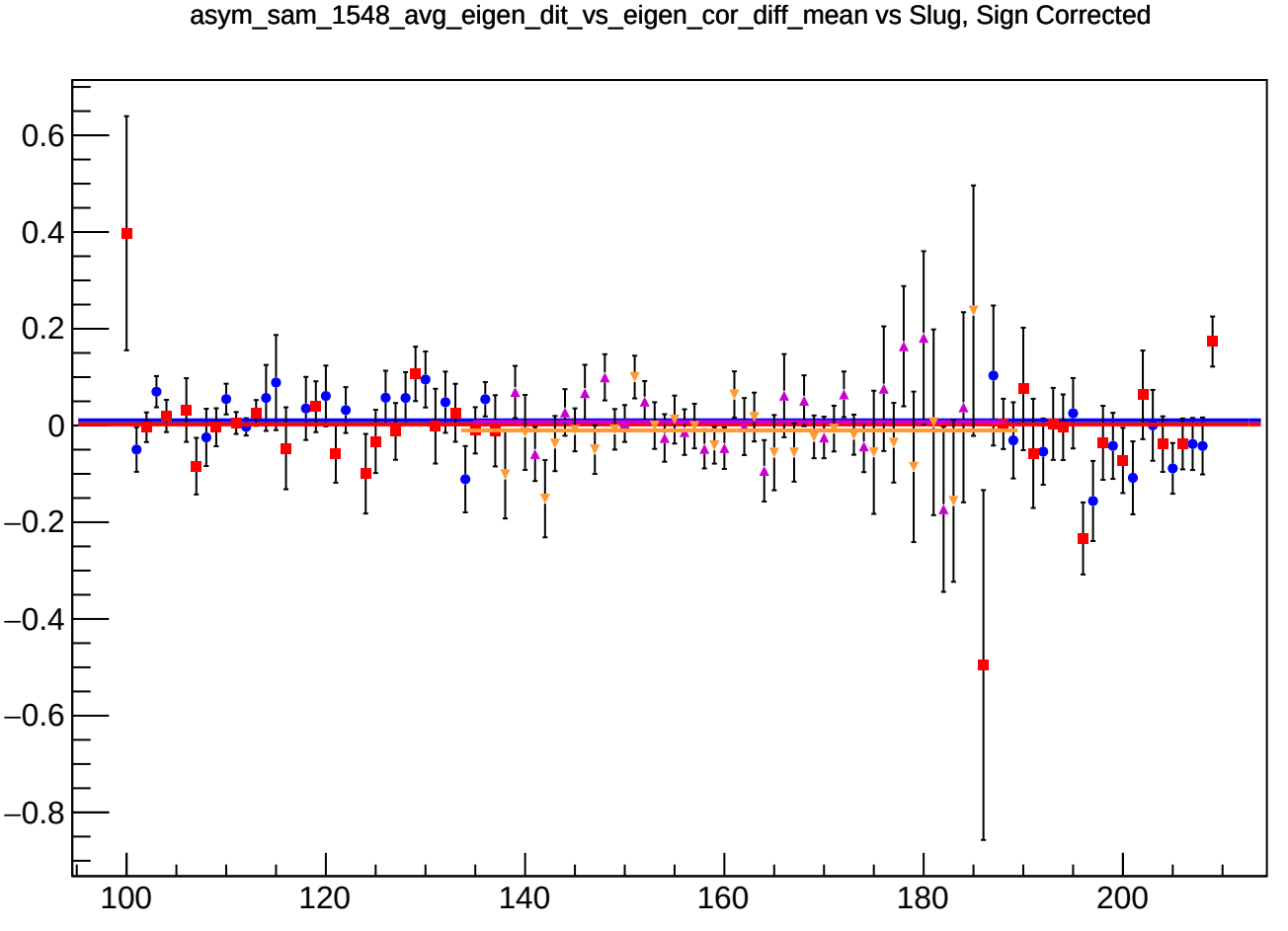
Left: 45.437+/-0.006 χ^2/NDF: 7009058.4/47

Right: 32.254+/-0.005 χ^2/NDF: 14045335.4/58

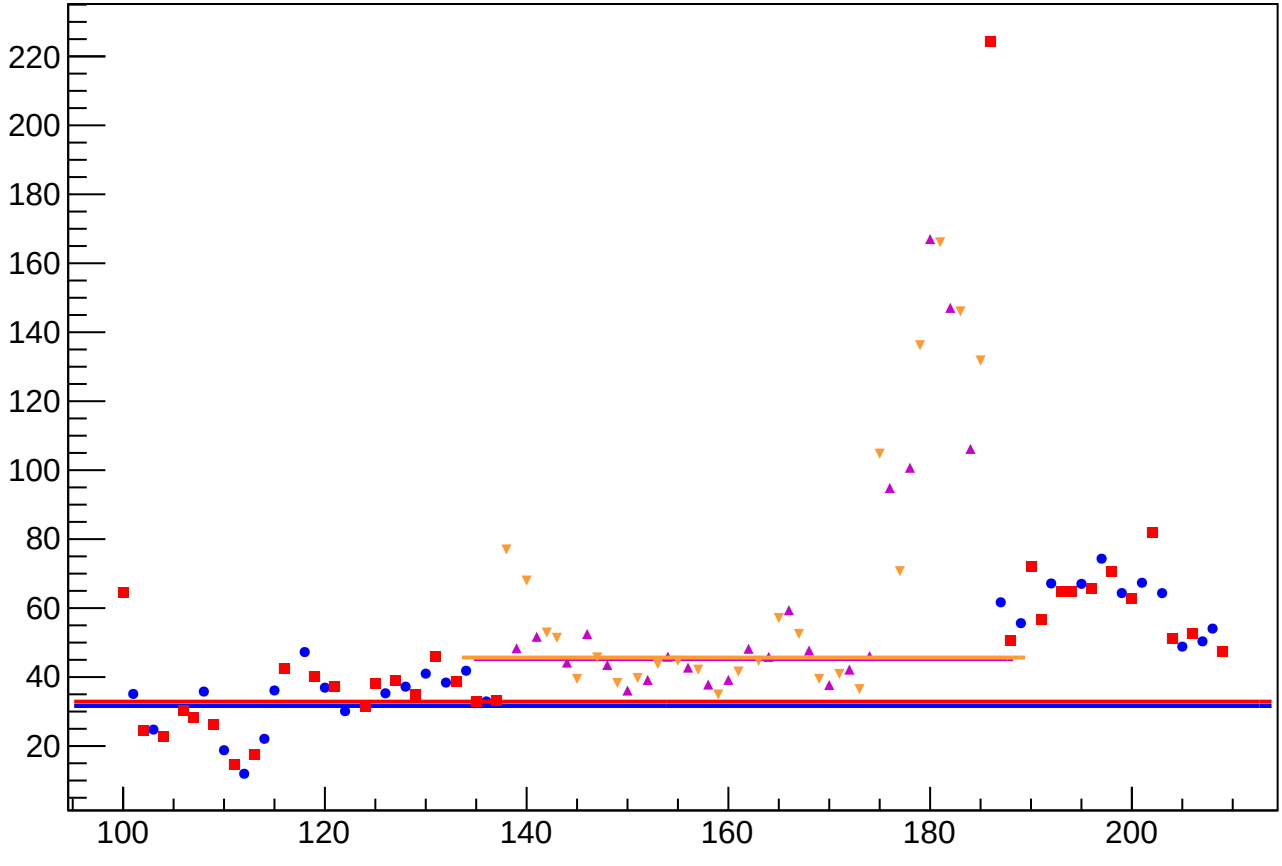
In: 37.017+/-0.005 χ^2/NDF:11759992.9/49

Out: 37.937+/-0.005 χ^2/NDF:12536324.4/56

All: 37.483+/-0.004 χ^2/NDF: 24312896.5/106


asym_sam_1548_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
100
120
140
160
180
200
Right In: 0.011+/-0.009 χ²/NDF: 32.6/26
Left Out: -0.010+/-0.011 χ²/NDF:18.1/24
Right Out: 0.002+/-0.009 χ²/NDF: 40.2/31
Left In: 0.008+/-0.011 χ²/NDF:23.3/22
Left: -0.001+/-0.008 χ²/NDF: 42.6/47
Right: 0.006+/-0.007 χ²/NDF: 73.2/58
In: 0.009+/-0.007 χ²/NDF:56.0/49
Out: -0.003+/-0.007 χ²/NDF:59.0/56
All: 0.003+/-0.005 χ²/NDF: 116.4/106

asym_sam_1548_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 31.618+/-0.007 χ^2/NDF: 7056055.4/26

Left Out: 45.651+/-0.008 χ^2/NDF:4015154.4/24

Right Out: 32.873+/-0.006 χ^2/NDF: 6970663.9/31

Left In: 45.218+/-0.008 χ^2/NDF:2992449.1/22

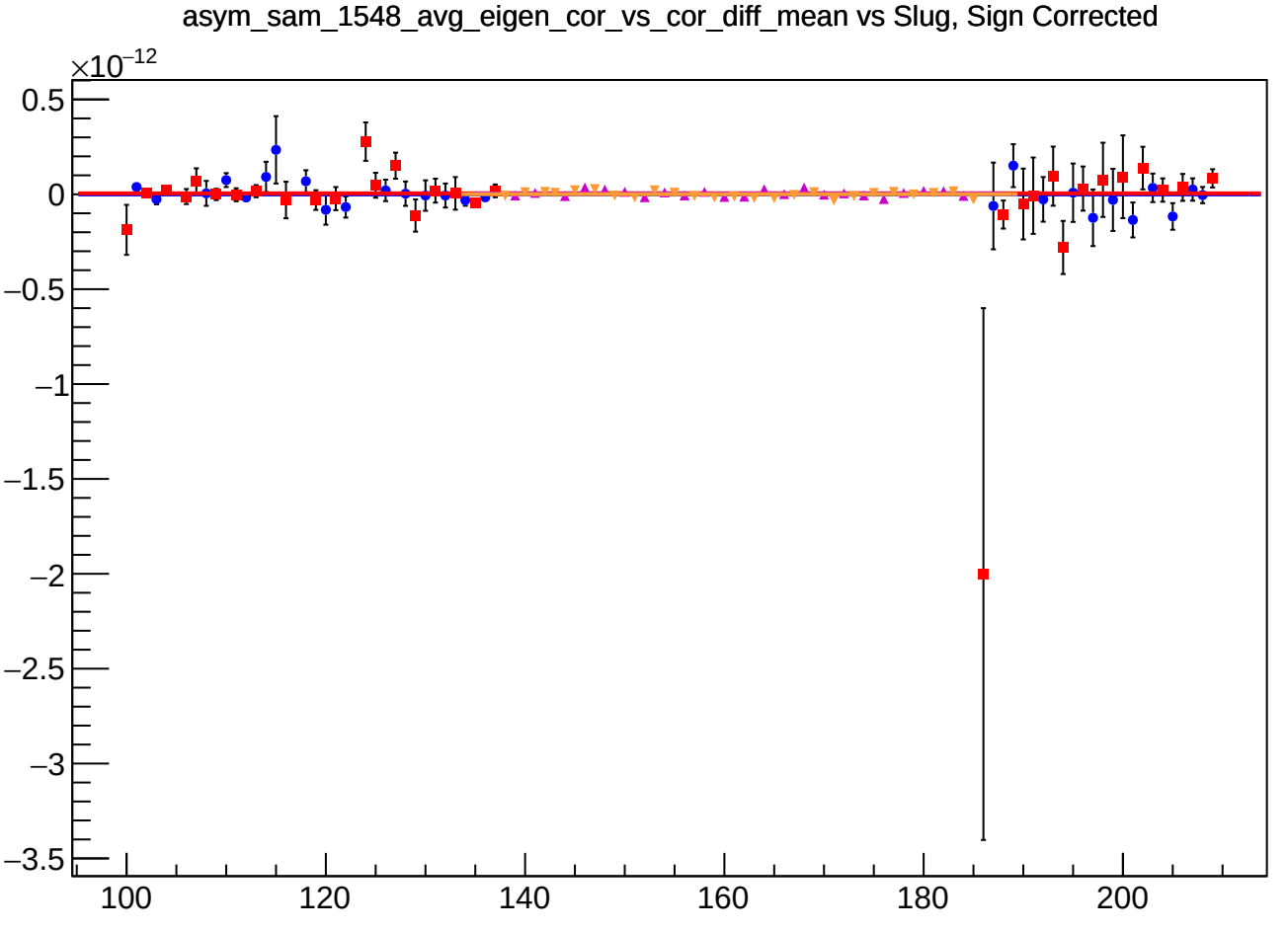
Left: 45.437+/-0.006 χ^2/NDF: 7009058.4/47

Right: 32.254+/-0.005 χ^2/NDF: 14045335.4/58

In: 37.017+/-0.005 χ^2/NDF:11759992.9/49

Out: 37.937+/-0.005 χ^2/NDF:12536324.4/56

All: 37.483+/-0.004 χ^2/NDF: 24312896.5/106



Right In: -0.000+/-0.000 χ^2/NDF: 26.7/26

Left Out: 0.000+/-0.000 χ^2/NDF:25.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 37.2/31

Left In: 0.000+/-0.000 χ^2/NDF:23.7/22

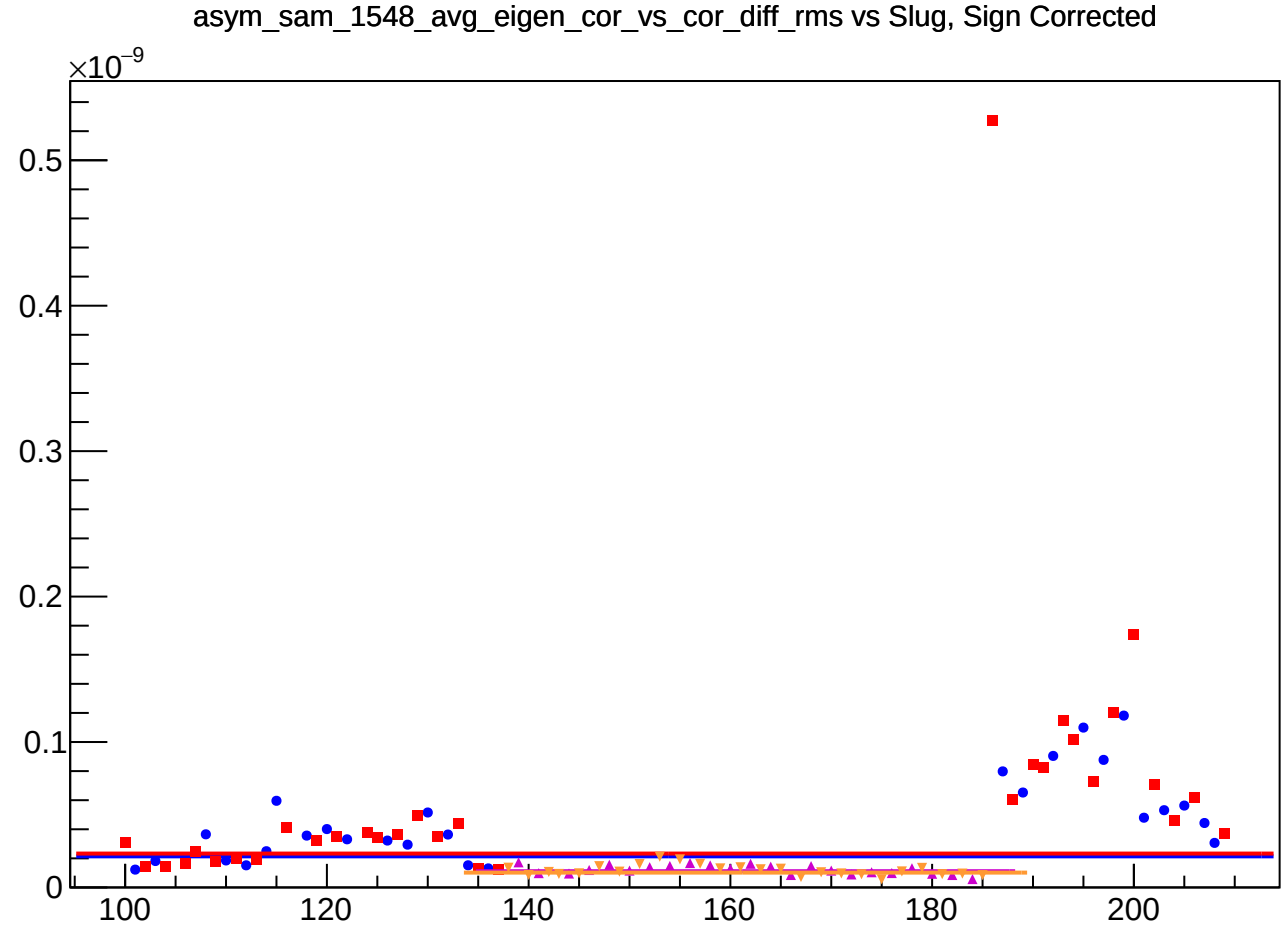
Left: 0.000+/-0.000 χ^2/NDF: 49.9/47

Right: 0.000+/-0.000 χ^2/NDF: 64.1/58

In: 0.000+/-0.000 χ^2/NDF:50.7/49

Out: 0.000+/-0.000 χ^2/NDF:62.8/56

All: 0.000+/-0.000 χ^2/NDF: 114.1/106



Right In: 0.000+/-0.000 χ^2/NDF: 6503842.3/26

Left Out: 0.000+/-0.000 χ^2/NDF:2257651.3/24

Right Out: 0.000+/-0.000 χ^2/NDF: 7721175.3/31

Left In: 0.000+/-0.000 χ^2/NDF:1536588.2/22

Left: 0.000+/-0.000 χ^2/NDF: 3895034.6/47

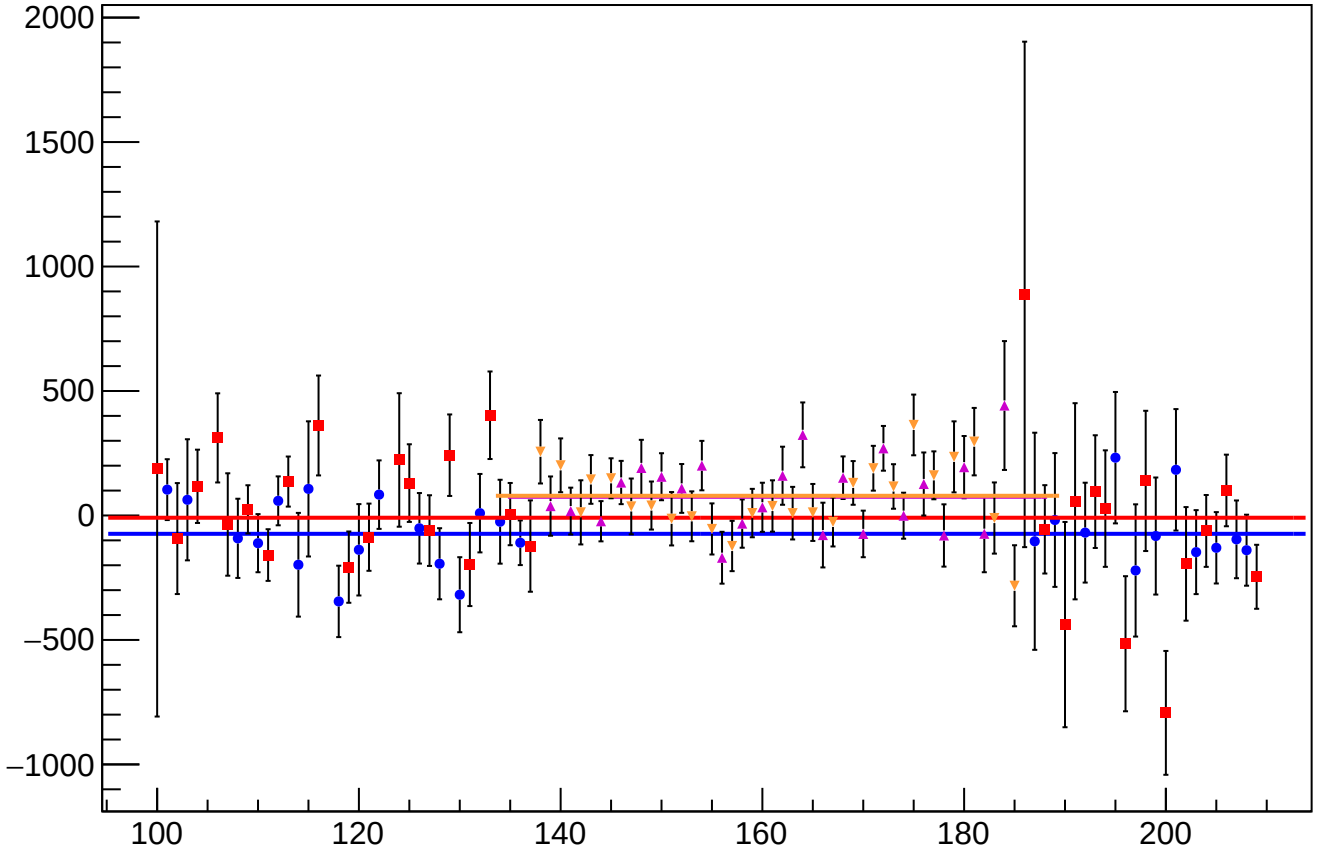
Right: 0.000+/-0.000 χ^2/NDF: 14276467.3/58

In: 0.000+/-0.000 χ^2/NDF:10750390.3/49

Out: 0.000+/-0.000 χ^2/NDF:14104820.4/56

All: 0.000+/-0.000 χ^2/NDF: 24967412.0/106

reg_asym_sam_3748_avg_mean vs Slug, Sign Corrected



Right In: -73.693+/-30.261 χ^2/NDF: 17.4/26

Left Out: 79.098+/-21.102 χ^2/NDF:32.0/24

Right Out: -9.093+/-29.437 χ^2/NDF: 46.0/31

Left In: 75.048+/-21.837 χ^2/NDF:32.6/22

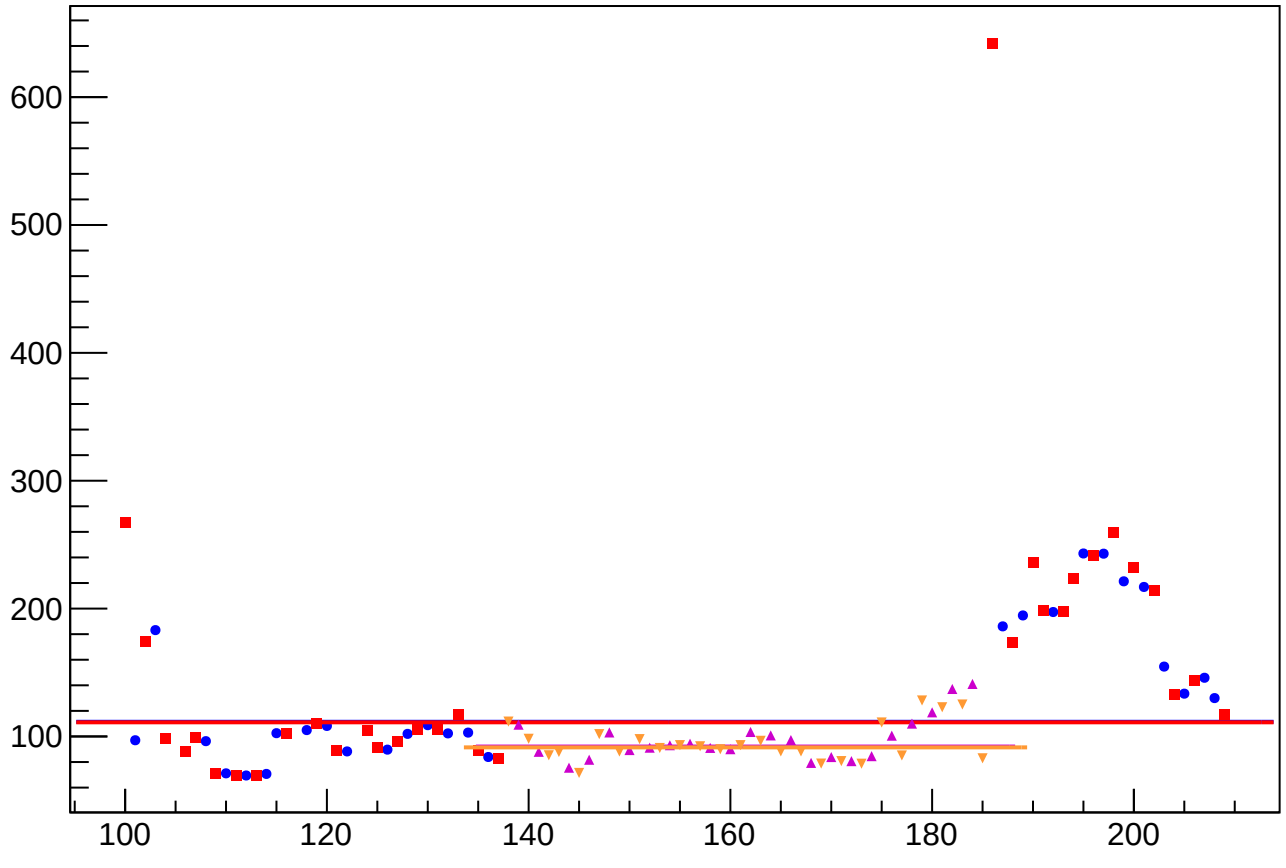
Left: 77.142+/-15.175 χ^2/NDF: 64.6/47

Right: -40.501+/-21.100 χ^2/NDF: 65.7/58

In: 24.116+/-17.708 χ^2/NDF:66.0/49

Out: 49.161+/-17.151 χ^2/NDF:83.9/56

All: 37.039+/-12.320 χ^2/NDF: 150.9/106



Right In: 111.471+/-0.021 χ^2/NDF: 3943820.9/26

Left Out: 91.462+/-0.015 χ^2/NDF:751213.9/24

Right Out: 111.062+/-0.021 χ^2/NDF: 5390684.9/31

Left In: 92.100+/-0.015 χ^2/NDF:699590.1/22

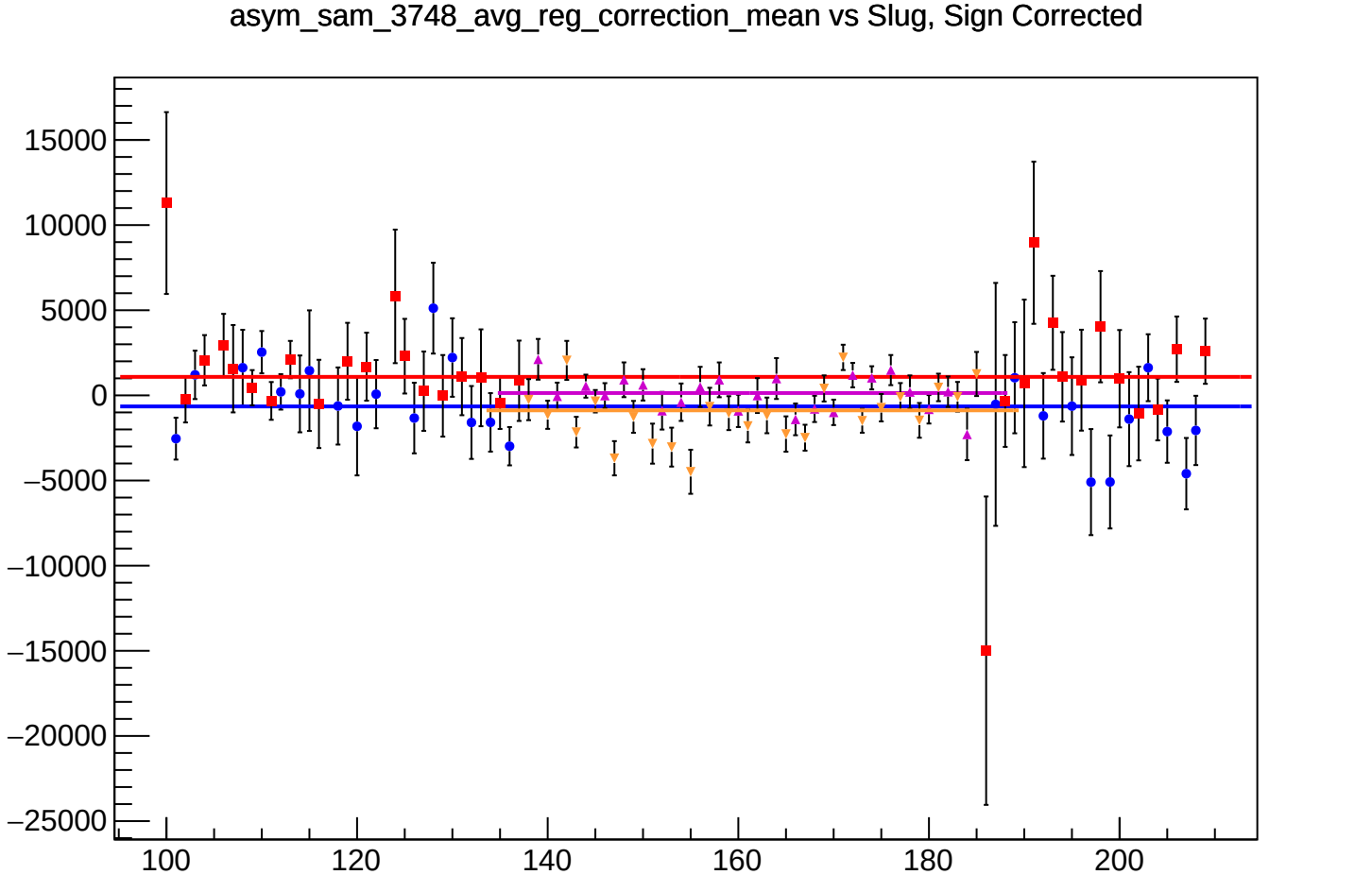
Left: 91.770+/-0.011 χ^2/NDF: 1451688.8/47

Right: 111.261+/-0.015 χ^2/NDF: 9334692.9/58

In: 98.733+/-0.013 χ^2/NDF:5182284.1/49

Out: 98.115+/-0.012 χ^2/NDF:6727637.2/56

All: 98.414+/-0.009 χ^2/NDF: 11911178.5/106



Right In: -649.587+/-365.917 χ^2/NDF: 35.3/26

Left Out: -878.463+/-182.188 χ^2/NDF:67.7/24

Right Out: 1086.838+/-352.564 χ^2/NDF: 24.1/31

Left In: 138.728+/-186.573 χ^2/NDF:24.2/22

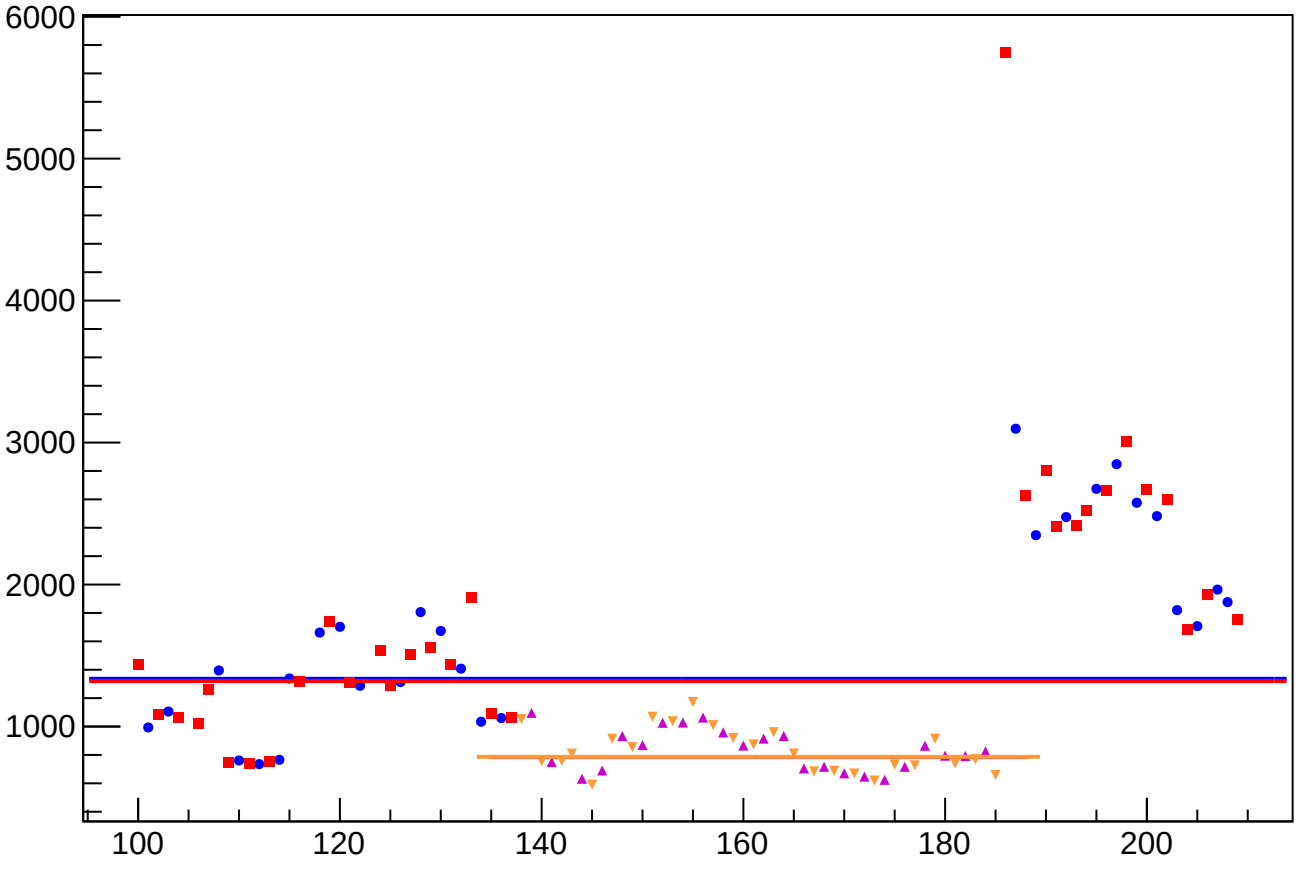
Left: -381.963+/-130.349 χ^2/NDF: 107.1/47

Right: 250.886+/-253.890 χ^2/NDF: 71.1/58

In: -23.929+/-166.214 χ^2/NDF:63.2/49

Out: -464.269+/-161.855 χ^2/NDF:116.3/56

All: -249.949+/-115.959 χ^2/NDF: 183.2/106



Right In: 1336.156+/-0.259 χ^2/NDF: 4711950.2/26

Left Out: 786.758+/-0.129 χ^2/NDF:1210893.0/24

Right Out: 1320.107+/-0.249 χ^2/NDF: 6299668.9/31

Left In: 784.833+/-0.132 χ^2/NDF:1063747.2/22

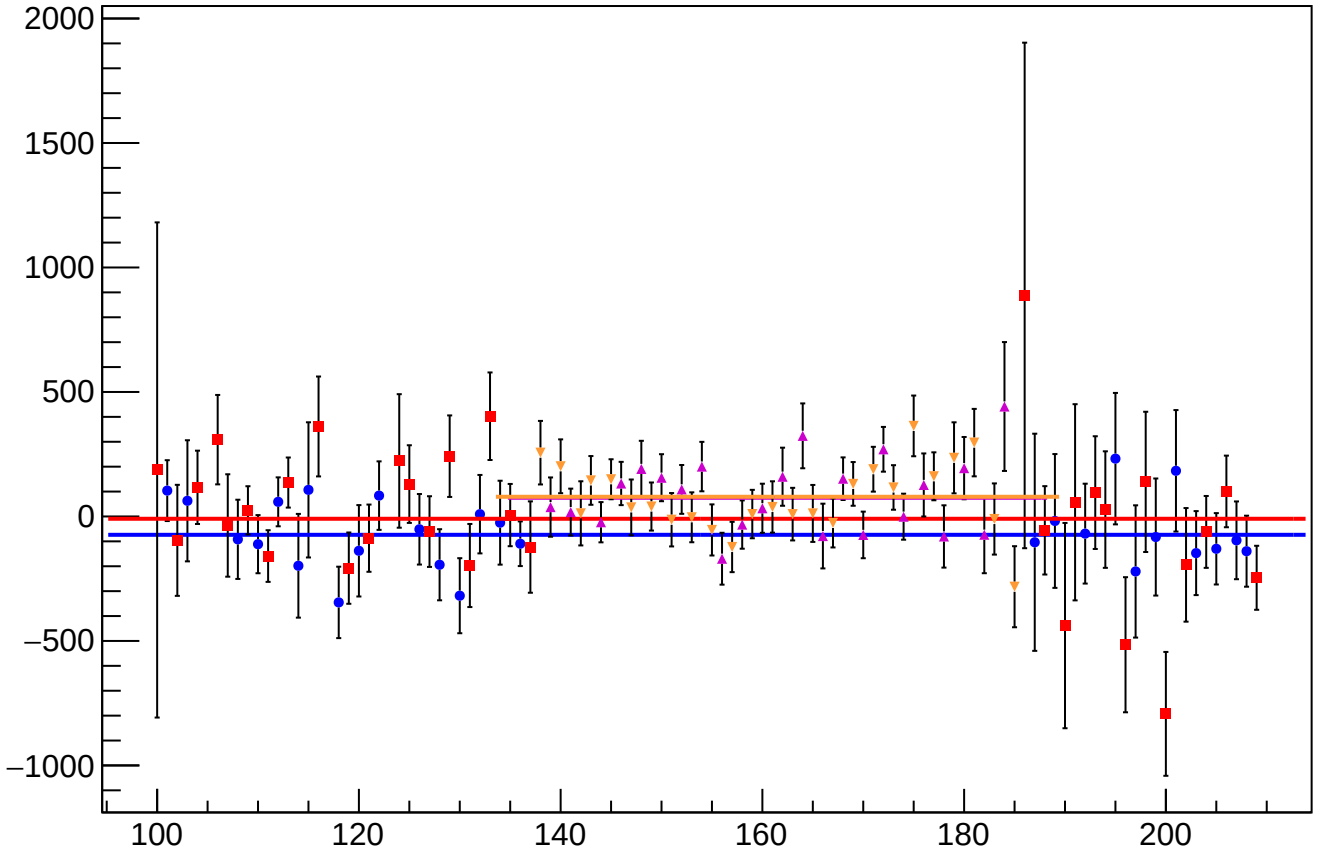
Left: 785.819+/-0.092 χ^2/NDF: 2274749.2/47

Right: 1327.833+/-0.180 χ^2/NDF: 11013614.3/58

In: 898.590+/-0.118 χ^2/NDF:9379110.3/49

Out: 899.163+/-0.114 χ^2/NDF:11122897.9/56

All: 898.884+/-0.082 χ^2/NDF: 20502020.4/10



Right In: -73.705+/-30.261 χ^2/NDF: 17.4/26

Left Out: 79.106+/-21.102 χ^2/NDF:32.0/24

Right Out: -9.283+/-29.439 χ^2/NDF: 45.9/31

Left In: 75.049+/-21.837 χ^2/NDF:32.6/22

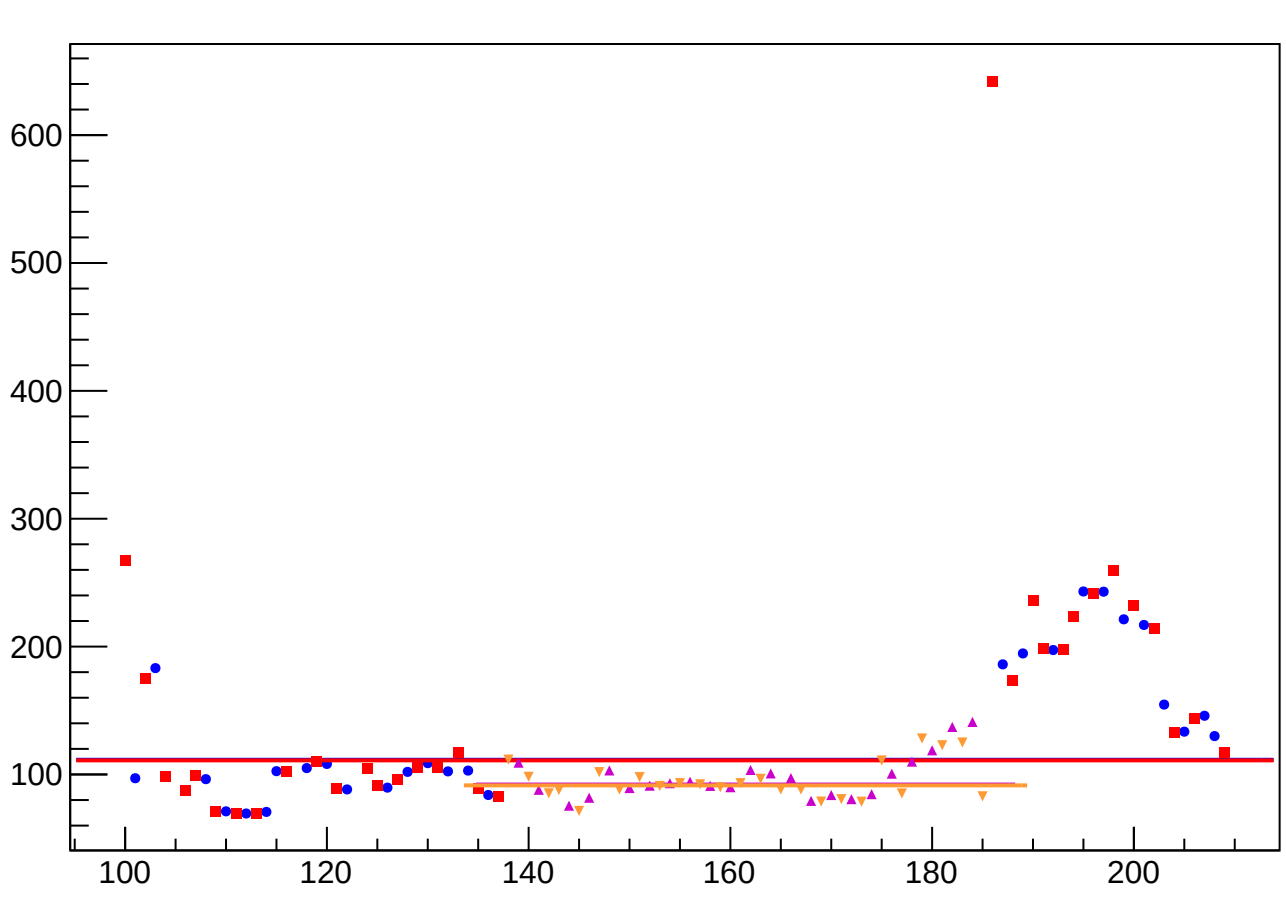
Left: 77.147+/-15.175 χ^2/NDF: 64.6/47

Right: -40.608+/-21.101 χ^2/NDF: 65.6/58

In: 24.112+/-17.708 χ^2/NDF:66.0/49

Out: 49.106+/-17.151 χ^2/NDF:83.8/56

All: 37.008+/-12.320 χ^2/NDF: 150.8/106



Right In: 111.471+/-0.021 χ^2/NDF: 3943823.9/26

Left Out: 91.462+/-0.015 χ^2/NDF:751213.9/24

Right Out: 111.031+/-0.021 χ^2/NDF: 5394477.8/31

Left In: 92.100+/-0.015 χ^2/NDF:699590.1/22

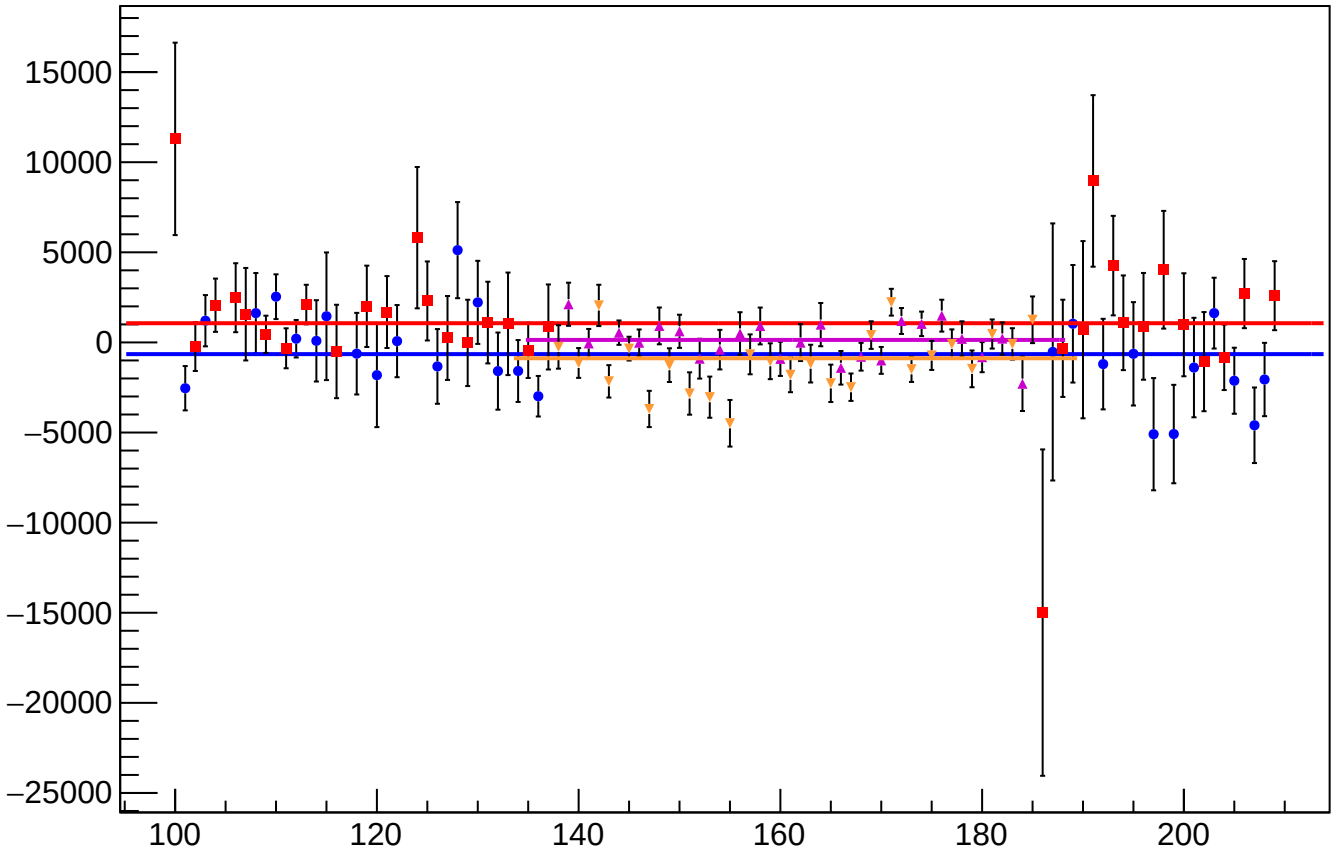
Left: 91.770+/-0.011 χ^2/NDF: 1451688.9/47

Right: 111.245+/-0.015 χ^2/NDF: 9338518.6/58

In: 98.733+/-0.013 χ^2/NDF:5182287.3/49

Out: 98.104+/-0.012 χ^2/NDF:6729493.2/56

All: 98.409+/-0.009 χ^2/NDF: 11913084.4/106



Right In: -649.606+/-365.920 χ^2/NDF: 35.3/26

Left Out: -878.453+/-182.188 χ^2/NDF:67.7/24

Right Out: 1065.736+/-353.114 χ^2/NDF: 23.6/31

Left In: 138.730+/-186.573 χ^2/NDF:24.2/22

Left: -381.957+/-130.349 χ^2/NDF: 107.1/47

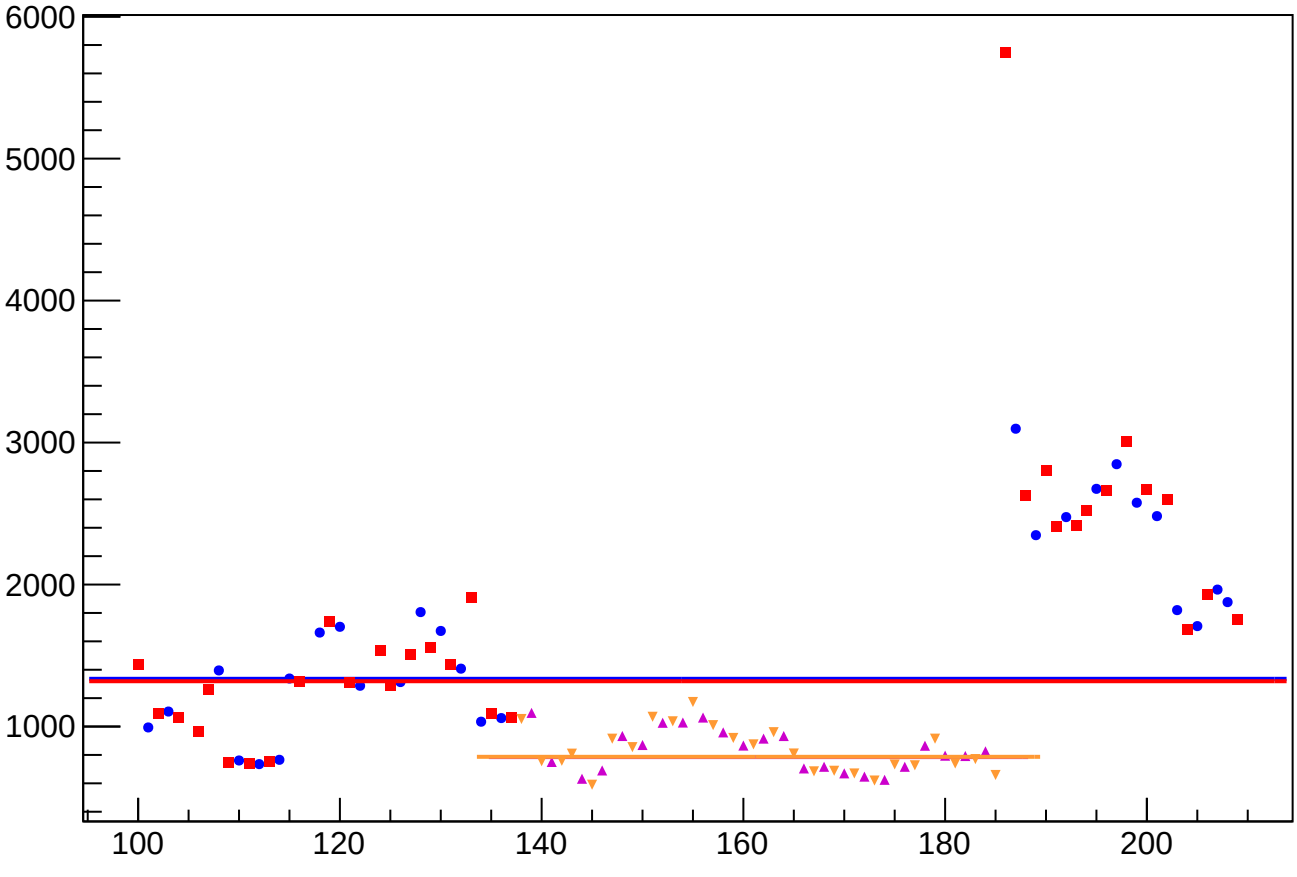
Right: 238.604+/-254.096 χ^2/NDF: 70.3/58

In: -23.929+/-166.215 χ^2/NDF:63.2/49

Out: -469.716+/-161.908 χ^2/NDF:115.2/56

All: -252.673+/-115.979 χ^2/NDF: 182.2/106

asym_sam_3748_avg_cor_correction_rms vs Slug, Sign Corrected



Right In: 1336.166+/-0.259 χ^2/NDF: 4711894.8/26

Left Out: 786.758+/-0.129 χ^2/NDF:1210893.0/24

Right Out: 1319.142+/-0.250 χ^2/NDF: 6315086.2/31

Left In: 784.833+/-0.132 χ^2/NDF:1063746.9/22

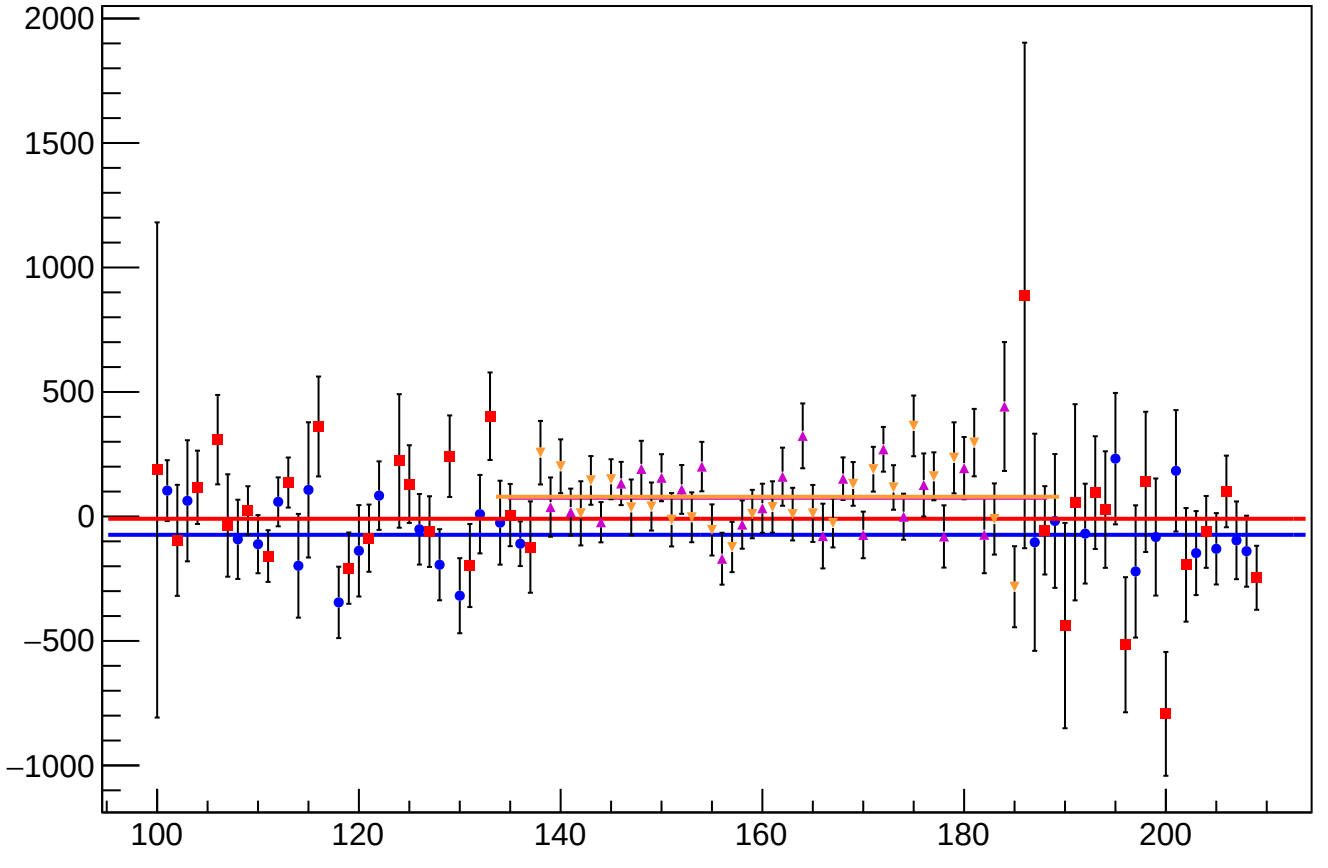
Left: 785.819+/-0.092 χ^2/NDF: 2274748.8/47

Right: 1327.351+/-0.180 χ^2/NDF: 11029222.7/58

In: 898.591+/-0.118 χ^2/NDF:9379144.1/49

Out: 898.684+/-0.114 χ^2/NDF:11116411.4/56

All: 898.639+/-0.082 χ^2/NDF: 20495555.8/10



Right In: -73.705+/-30.261 χ^2/NDF: 17.4/26

Left Out: 79.106+/-21.102 χ^2/NDF:32.0/24

Right Out: -9.283+/-29.439 χ^2/NDF: 45.9/31

Left In: 75.049+/-21.837 χ^2/NDF:32.6/22

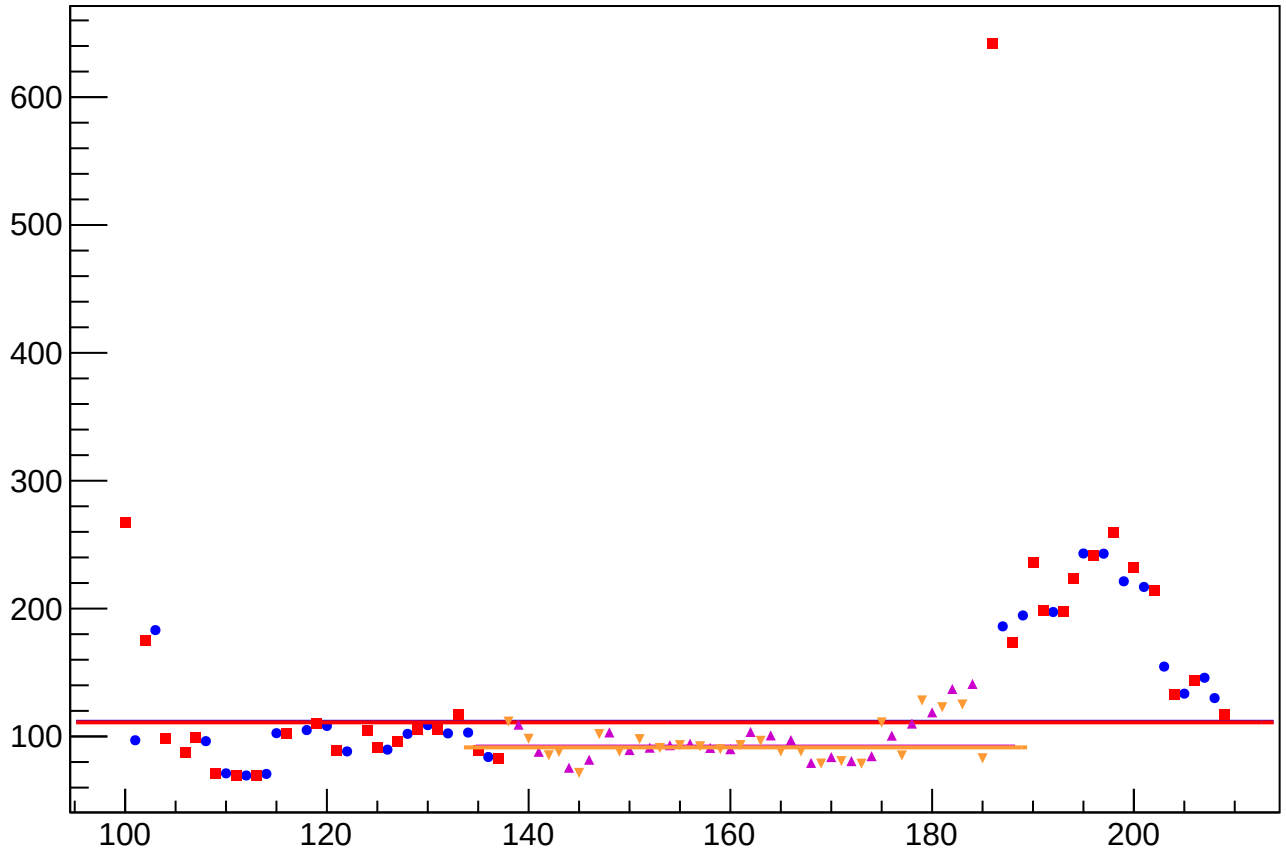
Left: 77.147+/-15.175 χ^2/NDF: 64.6/47

Right: -40.608+/-21.101 χ^2/NDF: 65.6/58

In: 24.112+/-17.708 χ^2/NDF:66.0/49

Out: 49.106+/-17.151 χ^2/NDF:83.8/56

All: 37.008+/-12.320 χ^2/NDF: 150.8/106



Right In: 111.471+/-0.021 χ^2/NDF: 3943823.9/26

Left Out: 91.462+/-0.015 χ^2/NDF:751213.9/24

Right Out: 111.031+/-0.021 χ^2/NDF: 5394477.8/31

Left In: 92.100+/-0.015 χ^2/NDF:699590.1/22

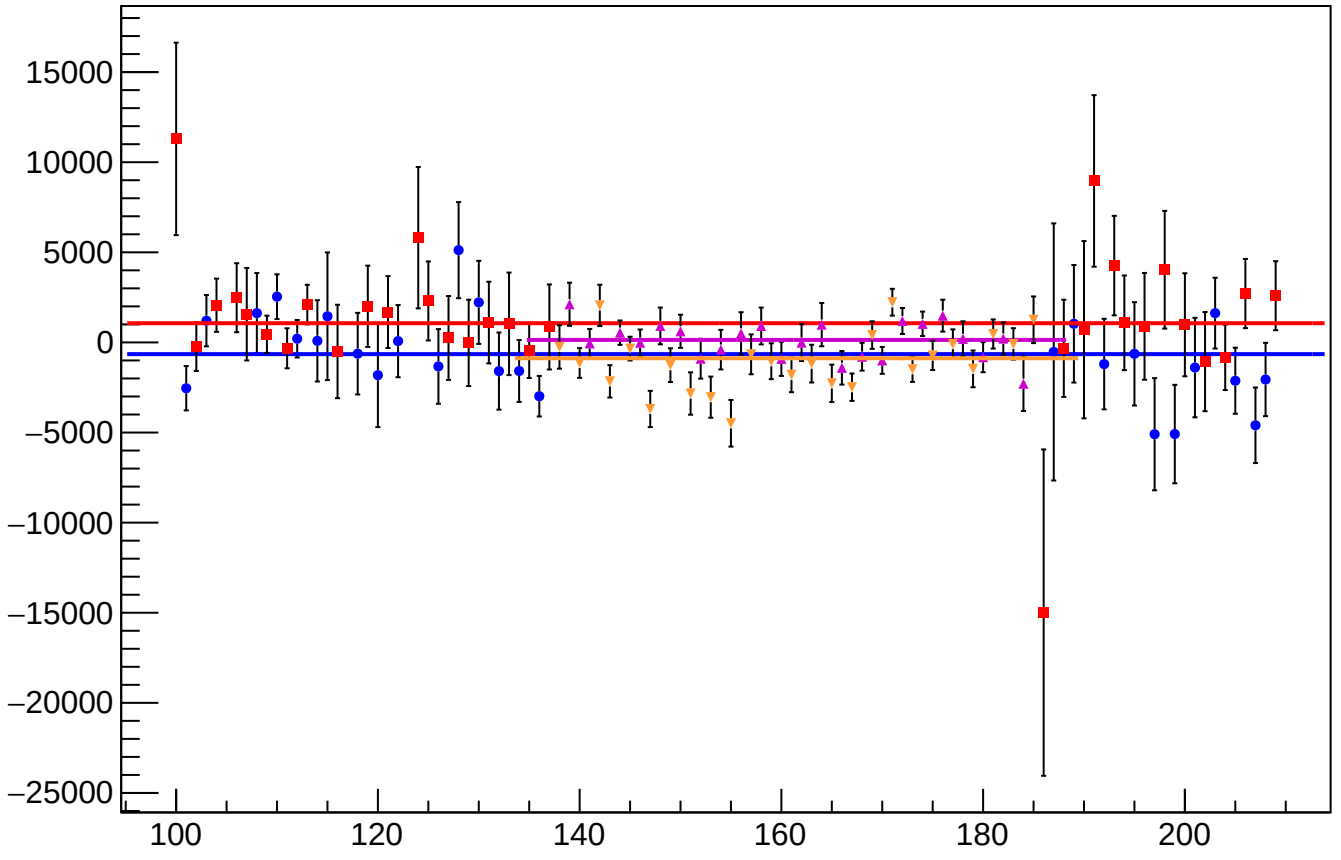
Left: 91.770+/-0.011 χ^2/NDF: 1451688.9/47

Right: 111.245+/-0.015 χ^2/NDF: 9338518.6/58

In: 98.733+/-0.013 χ^2/NDF:5182287.3/49

Out: 98.104+/-0.012 χ^2/NDF:6729493.2/56

All: 98.409+/-0.009 χ^2/NDF: 11913084.4/106



Right In: -649.606+/-365.920 χ^2/NDF: 35.3/26

Left Out: -878.453+/-182.188 χ^2/NDF:67.7/24

Right Out: 1065.736+/-353.114 χ^2/NDF: 23.6/31

Left In: 138.730+/-186.573 χ^2/NDF:24.2/22

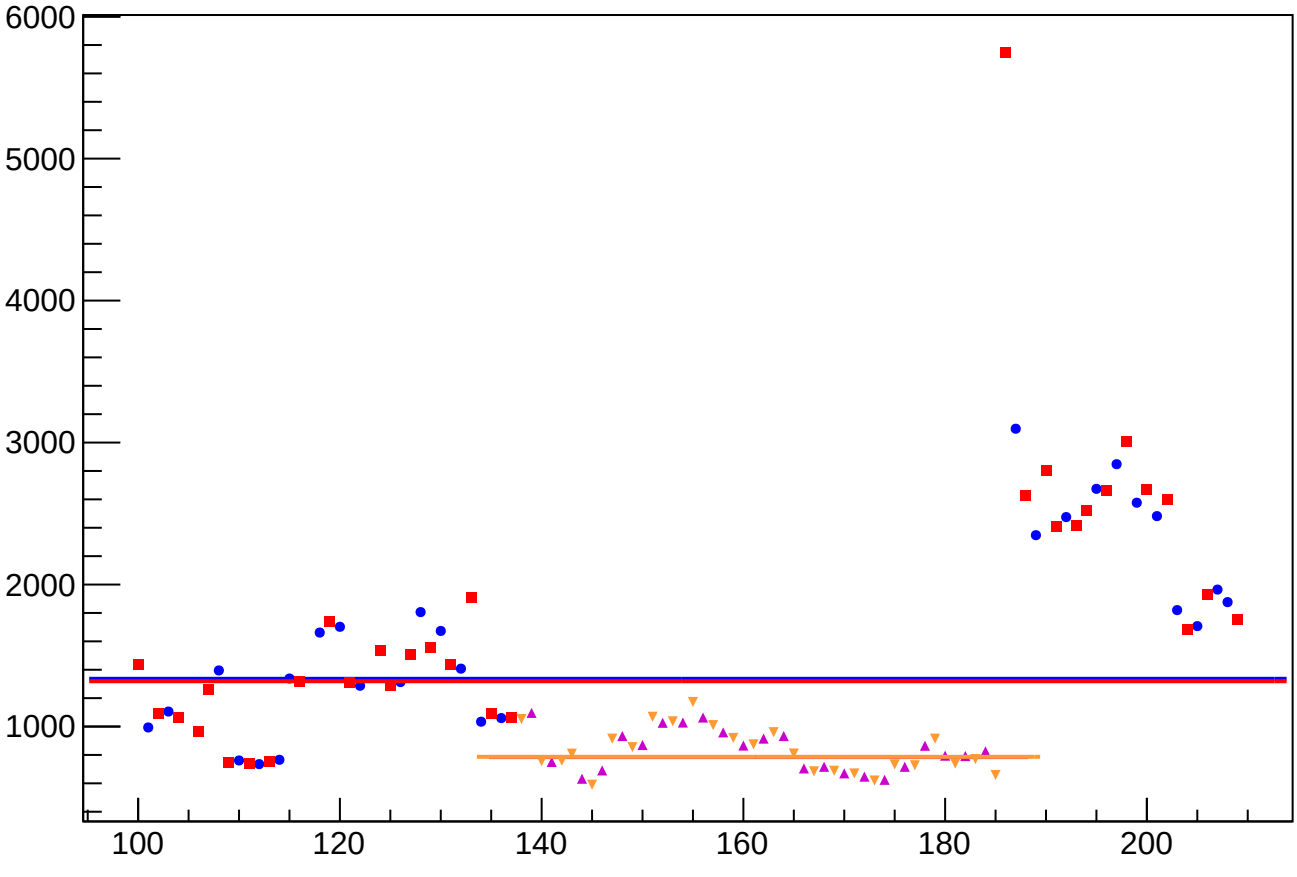
Left: -381.957+/-130.349 χ^2/NDF: 107.1/47

Right: 238.604+/-254.096 χ^2/NDF: 70.3/58

In: -23.929+/-166.215 χ^2/NDF:63.2/49

Out: -469.716+/-161.908 χ^2/NDF:115.2/56

All: -252.673+/-115.979 χ^2/NDF: 182.2/106



Right In: 1336.166+/-0.259 χ^2/NDF: 4711894.8/26

Left Out: 786.758+/-0.129 χ^2/NDF:1210893.0/24

Right Out: 1319.142+/-0.250 χ^2/NDF: 6315086.2/31

Left In: 784.833+/-0.132 χ^2/NDF:1063746.9/22

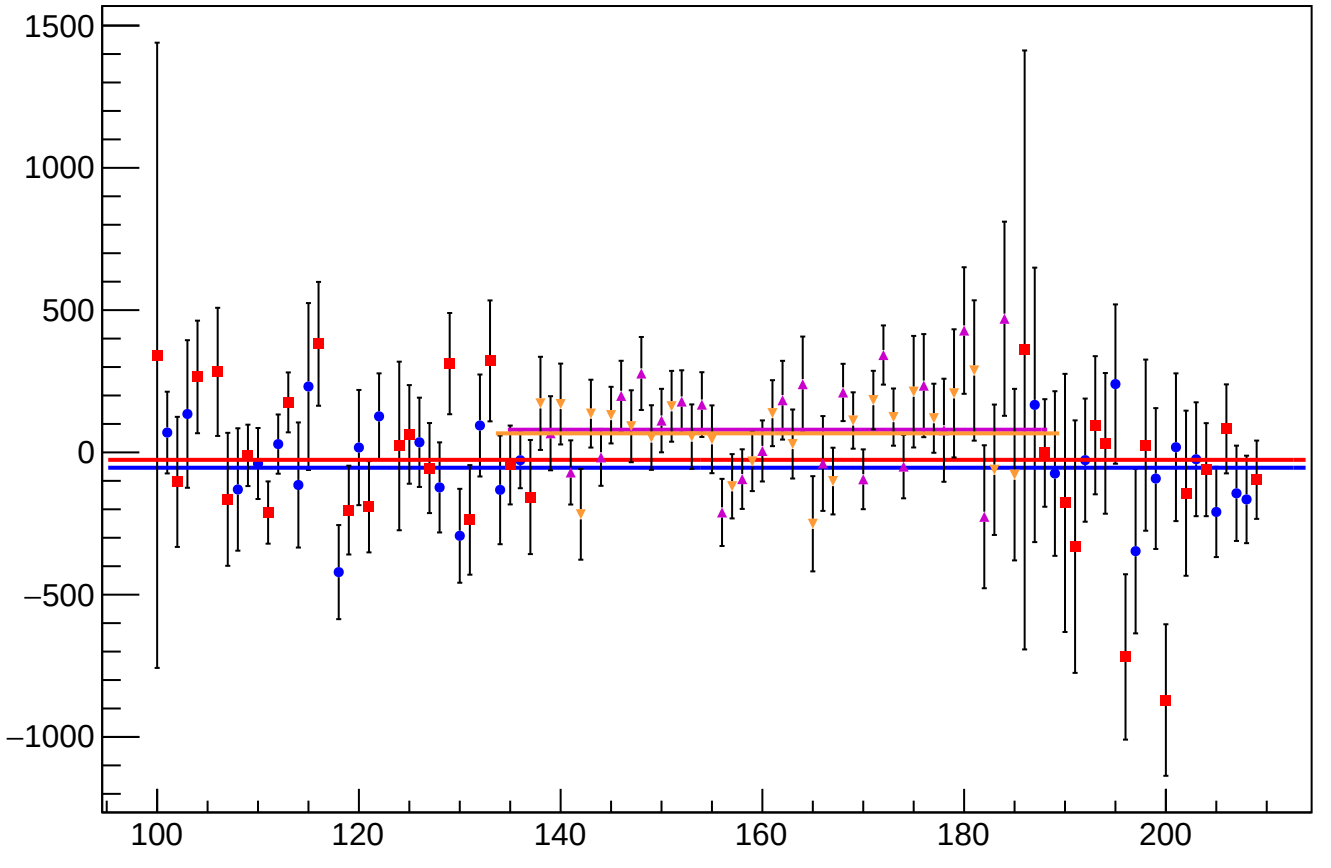
Left: 785.819+/-0.092 χ^2/NDF: 2274748.8/47

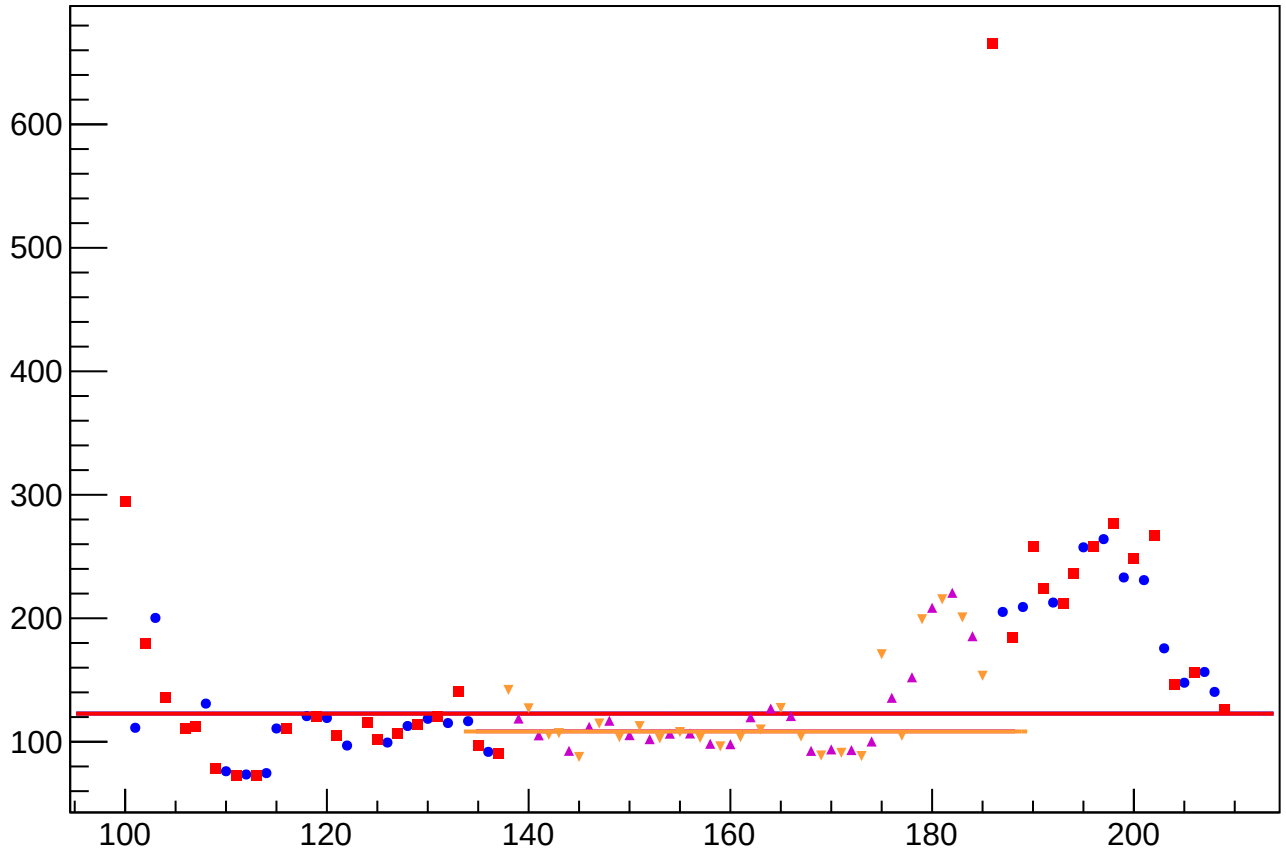
Right: 1327.351+/-0.180 χ^2/NDF: 11029222.7/58

In: 898.591+/-0.118 χ^2/NDF:9379144.1/49

Out: 898.684+/-0.114 χ^2/NDF:11116411.4/56

All: 898.639+/-0.082 χ^2/NDF: 20495555.8/10


dit_asym_sam_3748_avg_mean vs Slug, Sign Corrected
1500
1000
500
0
−500
−1000
100
120
140
160
180
200
Right In: -53.886+/-33.446 χ²/NDF: 17.3/26
Left Out: 66.896+/-25.584 χ²/NDF:19.6/24
Right Out: -26.152+/-32.638 χ²/NDF: 43.1/31
Left In: 79.766+/-26.299 χ²/NDF:36.9/22
Left: 73.154+/-18.338 χ²/NDF: 56.7/47
Right: -39.680+/-23.359 χ²/NDF: 60.8/58
In: 28.703+/-20.673 χ²/NDF:64.2/49
Out: 31.483+/-20.135 χ²/NDF:67.7/56
All: 30.130+/-14.424 χ²/NDF: 131.9/106



Right In: 122.869+/-0.024 χ^2/NDF: 3902551.1/26

Left Out: 108.330+/-0.018 χ^2/NDF:1774599.9/24

Right Out: 122.763+/-0.023 χ^2/NDF: 5367568.2/31

Left In: 108.492+/-0.019 χ^2/NDF:1379398.3/22

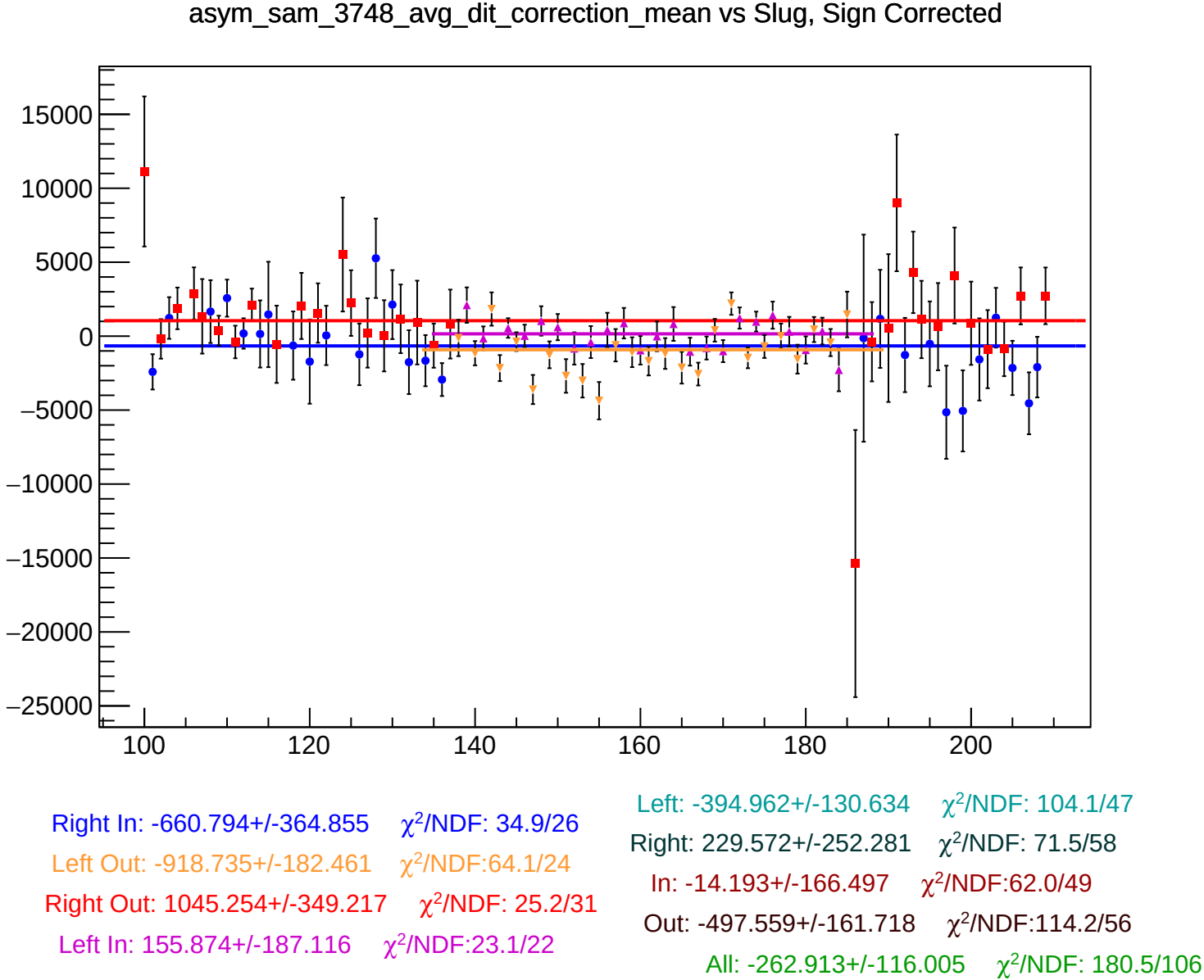
Left: 108.409+/-0.013 χ^2/NDF: 3154037.3/47

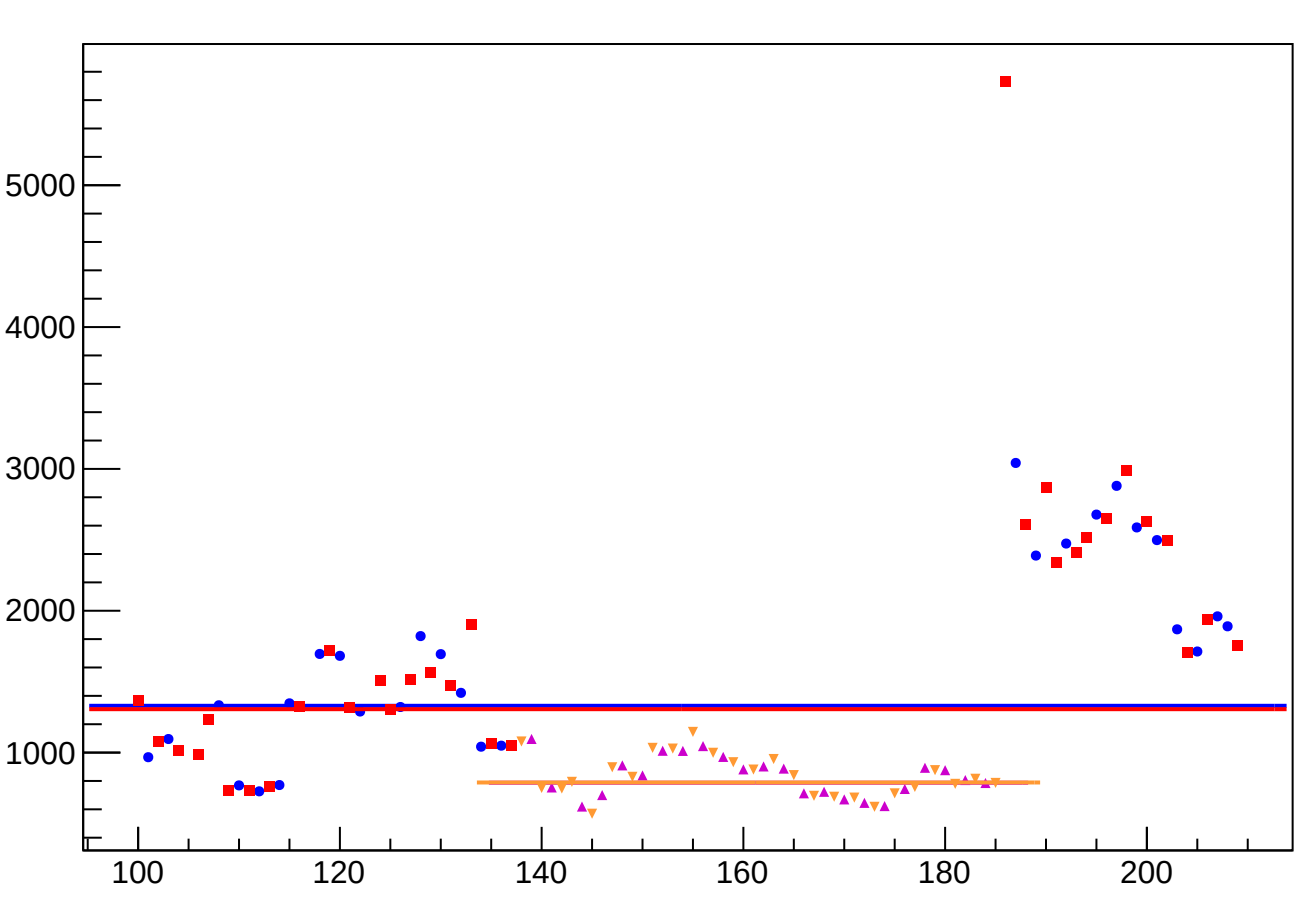
Right: 122.815+/-0.017 χ^2/NDF: 9270129.7/58

In: 113.985+/-0.015 χ^2/NDF:5510310.6/49

Out: 113.823+/-0.014 χ^2/NDF:7384415.5/56

All: 113.902+/-0.010 χ^2/NDF: 12894789.2/10


asym_sam_3748_avg_dit_correction_mean vs Slug, Sign Corrected
15000
10000
5000
0
−5000
−10000
−15000
−20000
−25000
100
120
140
160
180
200
Right In: -660.794+/-364.855 χ²/NDF: 34.9/26
Left Out: -918.735+/-182.461 χ²/NDF:64.1/24
Right Out: 1045.254+/-349.217 χ²/NDF: 25.2/31
Left In: 155.874+/-187.116 χ²/NDF:23.1/22
Left: -394.962+/-130.634 χ²/NDF: 104.1/47
Right: 229.572+/-252.281 χ²/NDF: 71.5/58
In: -14.193+/-166.497 χ²/NDF:62.0/49
Out: -497.559+/-161.718 χ²/NDF:114.2/56
All: -262.913+/-116.005 χ²/NDF: 180.5/106



Right In: 1329.910+/-0.258 χ^2/NDF: 4832758.7/26

Left Out: 789.250+/-0.129 χ^2/NDF:1176799.1/24

Right Out: 1306.034+/-0.247 χ^2/NDF: 6383558.0/31

Left In: 787.390+/-0.132 χ^2/NDF:1041390.9/22

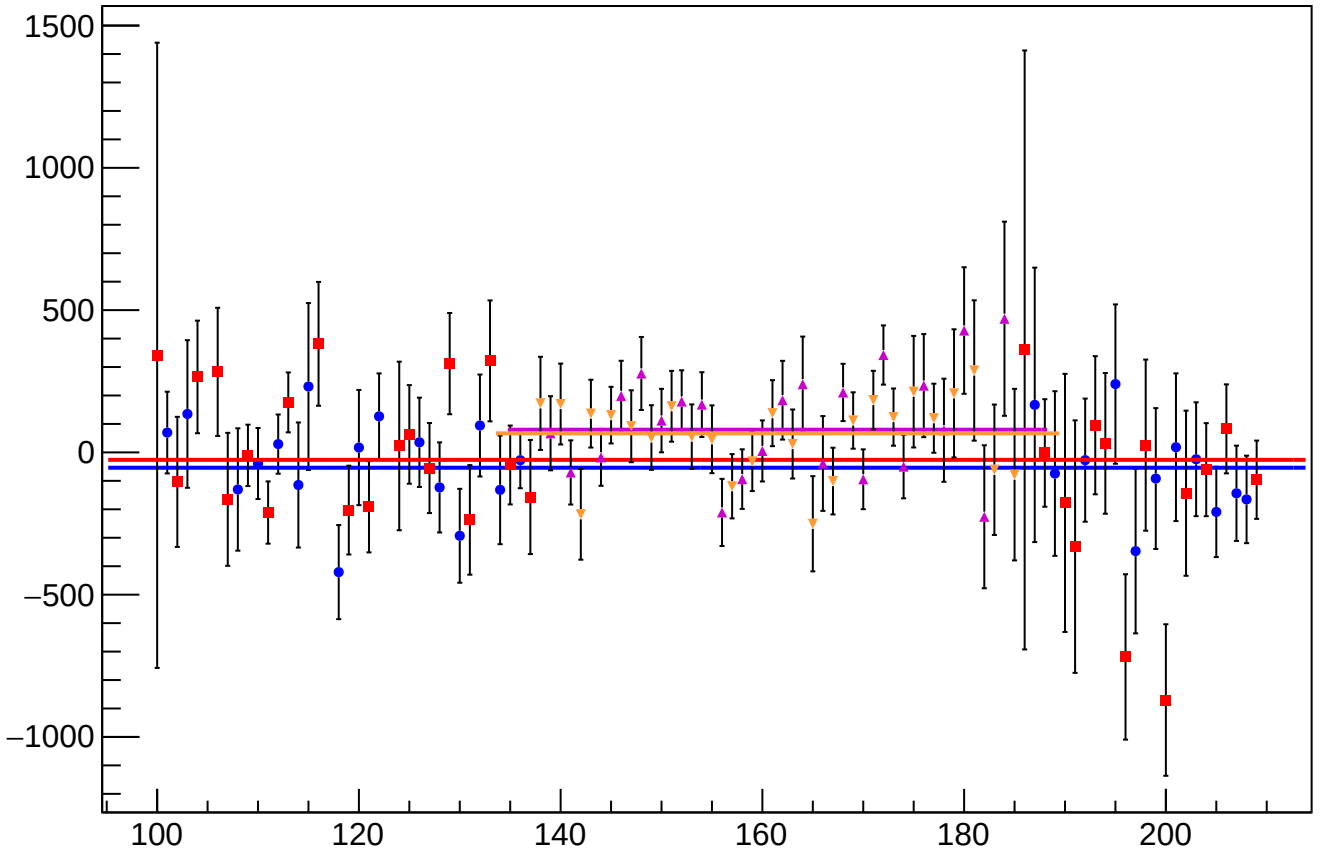
Left: 788.343+/-0.092 χ^2/NDF: 2218291.4/47

Right: 1317.450+/-0.178 χ^2/NDF: 11220786.6/58

In: 900.366+/-0.118 χ^2/NDF:9375327.0/49

Out: 900.074+/-0.114 χ^2/NDF:11000938.7/56

All: 900.216+/-0.082 χ^2/NDF: 20376268.8/10



Right In: -53.885+/-33.446 χ^2/NDF: 17.3/26

Left Out: 66.898+/-25.584 χ^2/NDF:19.6/24

Right Out: -26.154+/-32.638 χ^2/NDF: 43.1/31

Left In: 79.766+/-26.299 χ^2/NDF:36.9/22

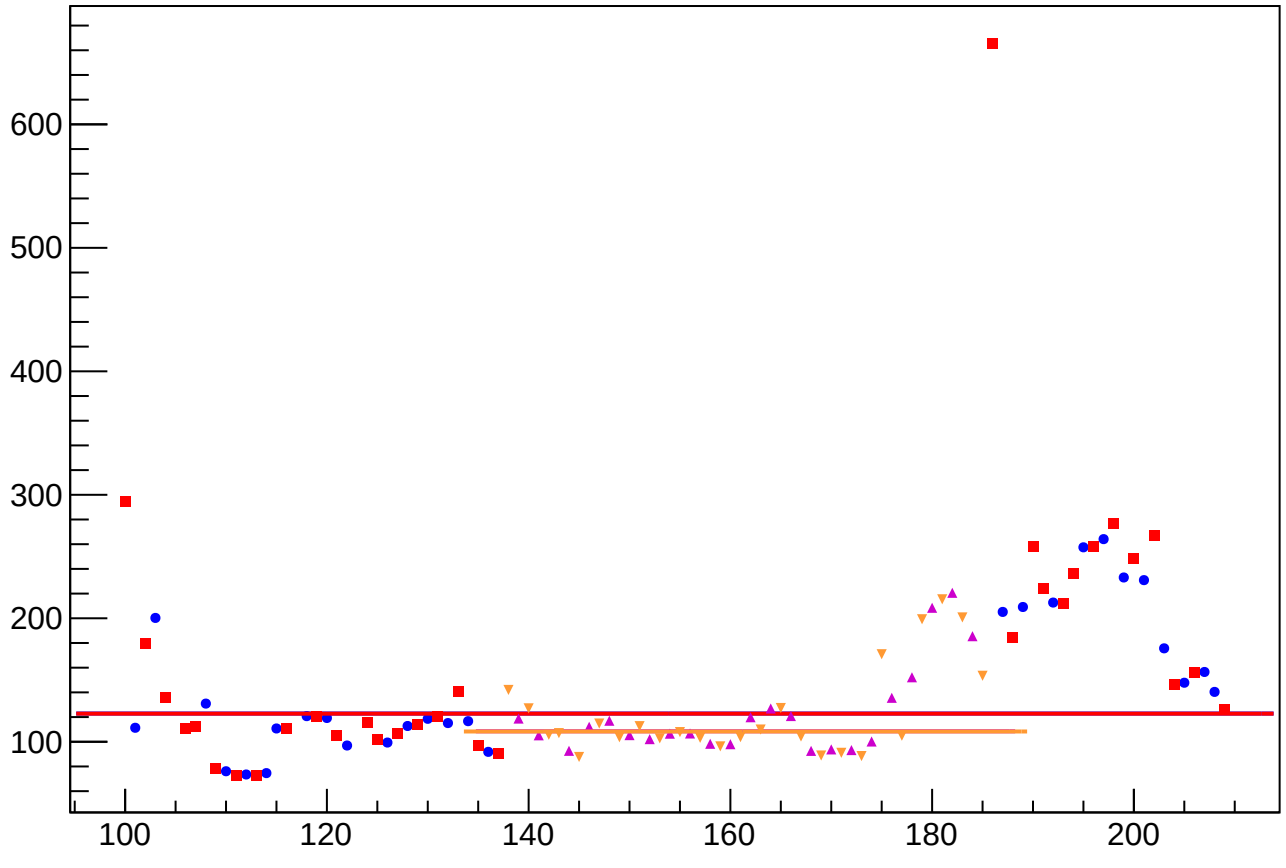
Left: 73.154+/-18.338 χ^2/NDF: 56.7/47

Right: -39.681+/-23.359 χ^2/NDF: 60.8/58

In: 28.703+/-20.673 χ^2/NDF:64.2/49

Out: 31.483+/-20.135 χ^2/NDF:67.7/56

All: 30.130+/-14.424 χ^2/NDF: 131.8/106



Right In: 122.869+/-0.024 χ^2/NDF: 3902539.0/26

Left Out: 108.330+/-0.018 χ^2/NDF:1774594.6/24

Right Out: 122.763+/-0.023 χ^2/NDF: 5367572.0/31

Left In: 108.493+/-0.019 χ^2/NDF:1379379.3/22

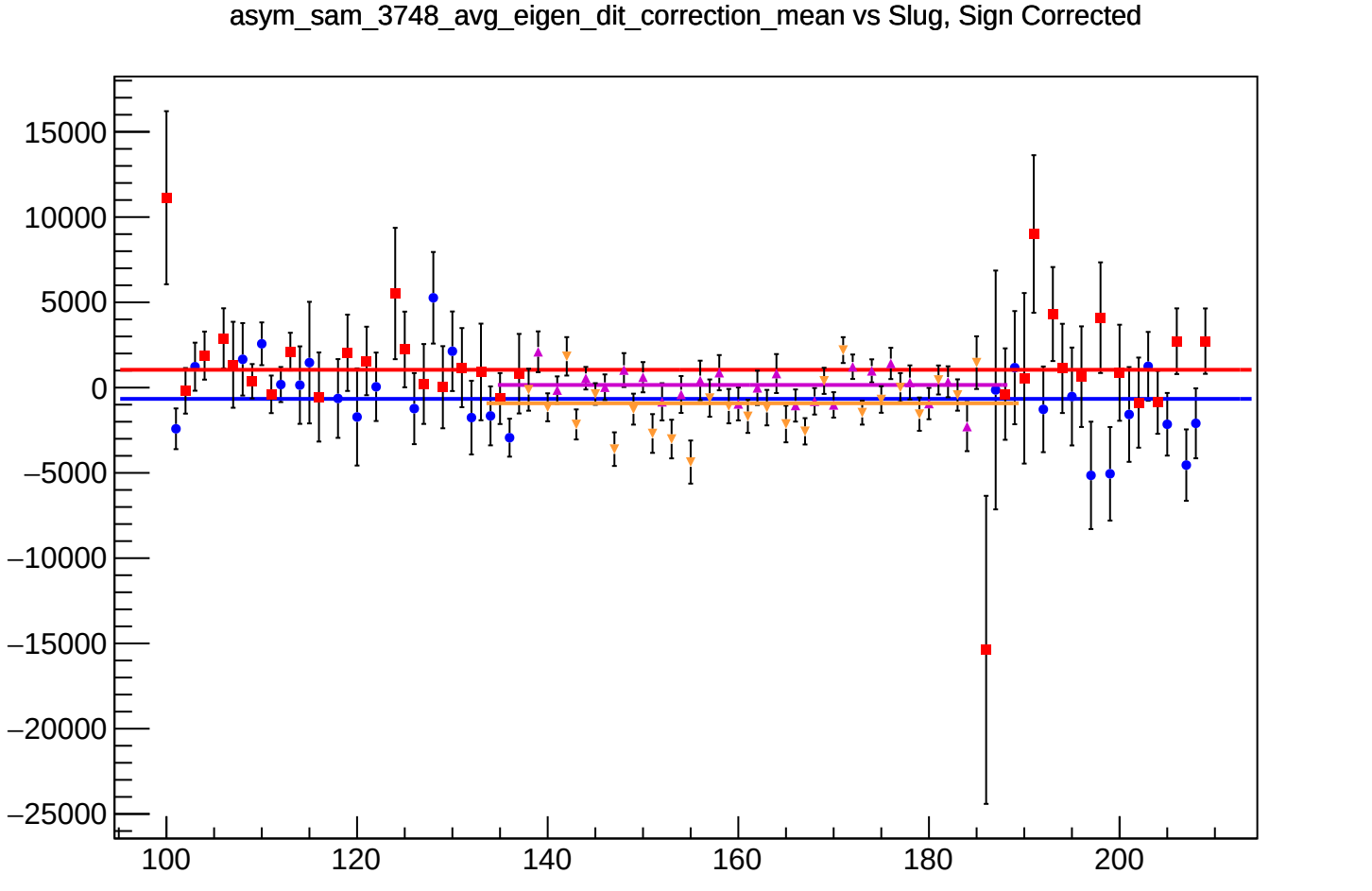
Left: 108.409+/-0.013 χ^2/NDF: 3154013.0/47

Right: 122.815+/-0.017 χ^2/NDF: 9270121.3/58

In: 113.986+/-0.015 χ^2/NDF:5510273.5/49

Out: 113.823+/-0.014 χ^2/NDF:7384408.1/56

All: 113.902+/-0.010 χ^2/NDF: 12894744.8/10



Right In: -660.792+/-364.854 χ^2/NDF: 34.9/26

Left Out: -918.734+/-182.461 χ^2/NDF:64.1/24

Right Out: 1045.252+/-349.217 χ^2/NDF: 25.2/31

Left In: 155.873+/-187.115 χ^2/NDF:23.1/22

Left: -394.962+/-130.634 χ^2/NDF: 104.1/47

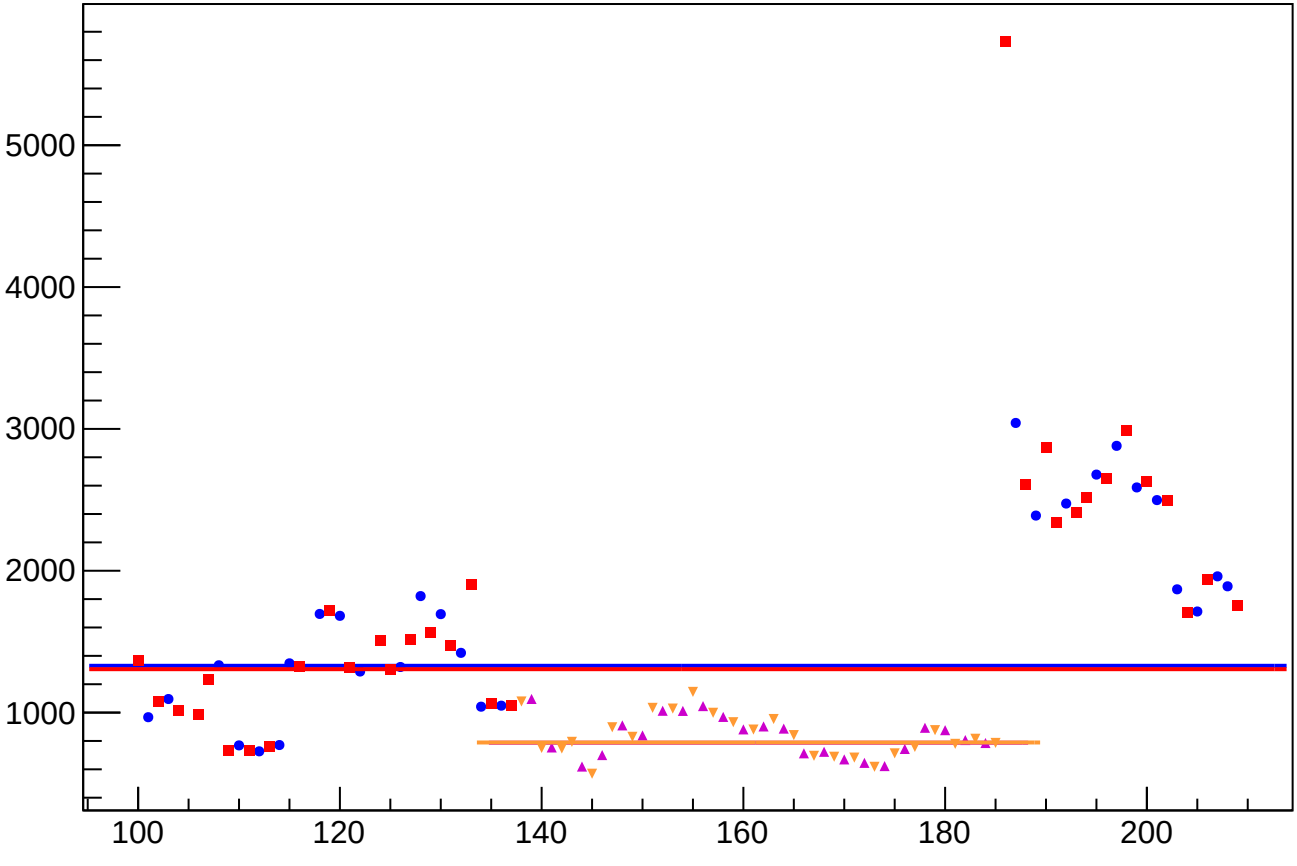
Right: 229.572+/-252.281 χ^2/NDF: 71.5/58

In: -14.193+/-166.497 χ^2/NDF:62.0/49

Out: -497.559+/-161.718 χ^2/NDF:114.2/56

All: -262.913+/-116.004 χ^2/NDF: 180.5/106

asym_sam_3748_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 1329.908+/-0.258 χ^2/NDF: 4832769.8/26

Left Out: 789.248+/-0.129 χ^2/NDF:1176801.9/24

Right Out: 1306.032+/-0.247 χ^2/NDF: 6383564.5/31

Left In: 787.388+/-0.132 χ^2/NDF:1041391.2/22

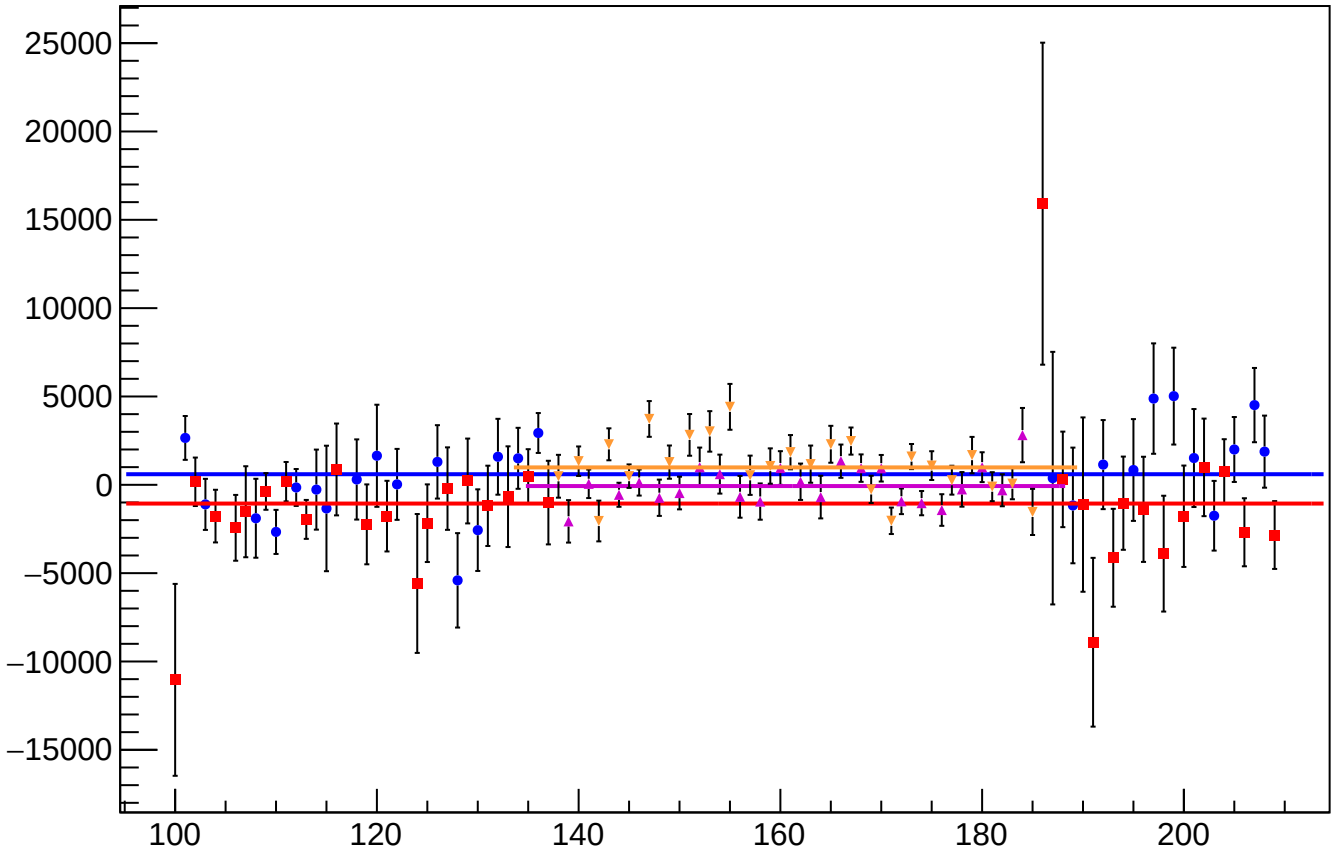
Left: 788.342+/-0.092 χ^2/NDF: 2218294.3/47

Right: 1317.448+/-0.178 χ^2/NDF: 11220804.0/58

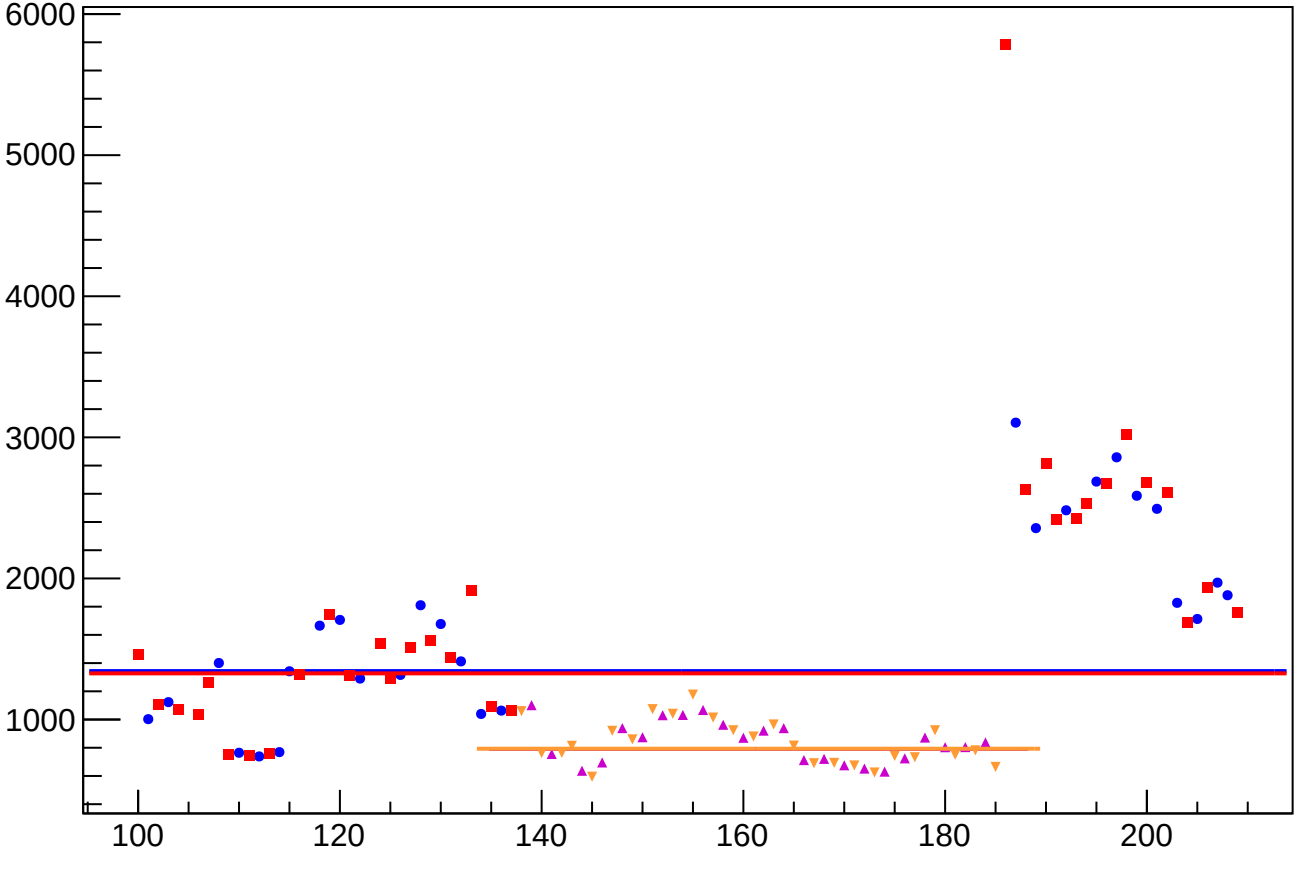
In: 900.365+/-0.118 χ^2/NDF:9375338.0/49

Out: 900.072+/-0.114 χ^2/NDF:11000950.5/56

All: 900.214+/-0.082 χ^2/NDF: 20376291.7/10


asym_sam_3748_avg_mean vs Slug, Sign Corrected
25000
20000
15000
10000
5000
0
−5000
−10000
−15000
100
120
140
160
180
200
Right In: 599.953+/-367.719 χ²/NDF: 36.0/26
Left Out: 985.656+/-183.601 χ²/NDF:63.7/24
Right Out: -1060.880+/-354.380 χ²/NDF: 22.9/31
Left In: -70.089+/-188.036 χ²/NDF:24.4/22
Left: 470.380+/-131.365 χ²/NDF: 104.3/47
Right: -261.134+/-255.170 χ²/NDF: 69.5/58
In: 68.800+/-167.417 χ²/NDF:63.1/49
Out: 552.575+/-163.021 χ²/NDF:112.9/56
All: 317.122+/-116.796 χ²/NDF: 180.3/106

asym_sam_3748_avg_rms vs Slug, Sign Corrected



Right In: 1343.289+/-0.260 χ^2/NDF: 4690625.9/26

Left Out: 793.051+/-0.130 χ^2/NDF:1193972.3/24

Right Out: 1327.204+/-0.251 χ^2/NDF: 6278129.5/31

Left In: 791.155+/-0.133 χ^2/NDF:1049107.7/22

Left: 792.126+/-0.093 χ^2/NDF: 2243184.1/47

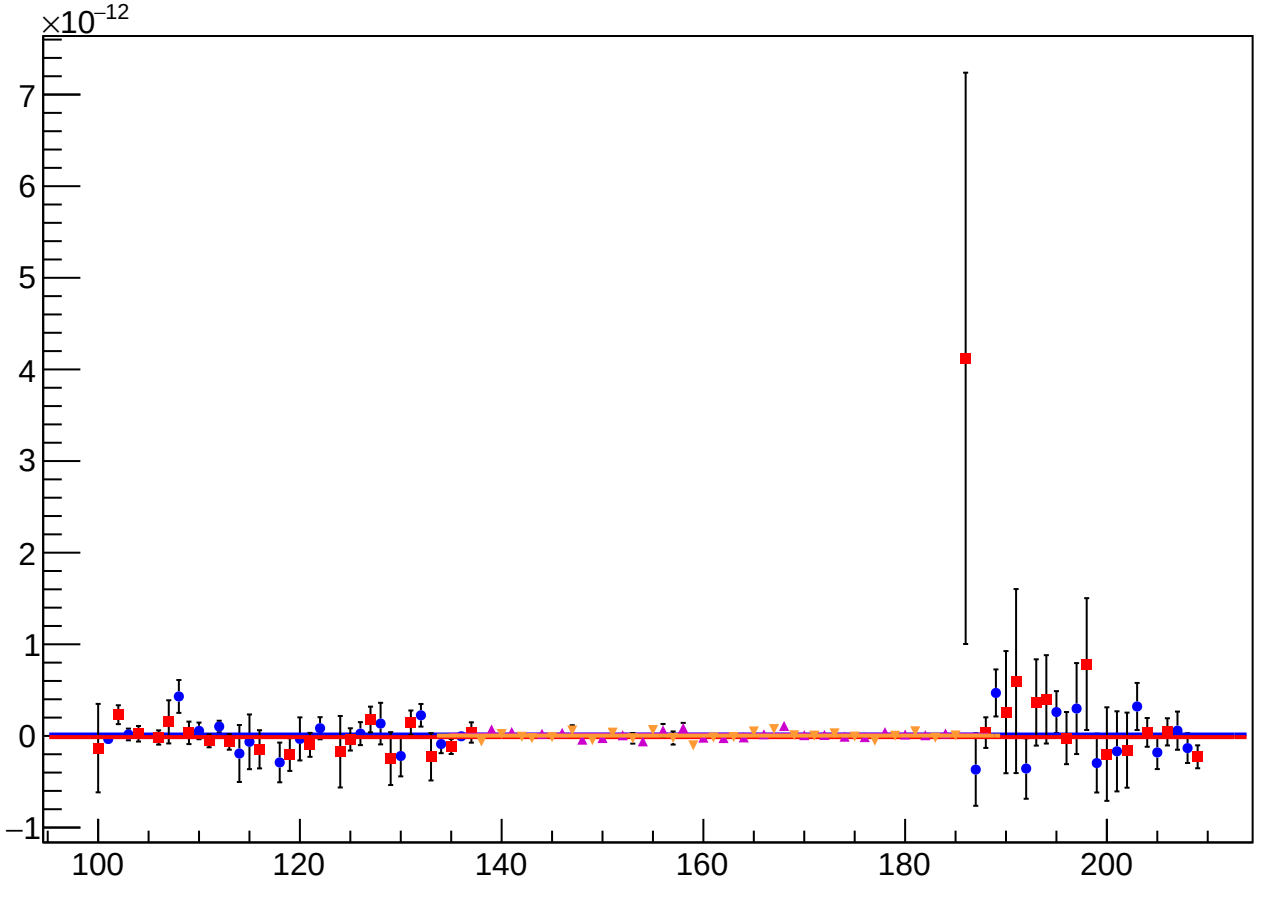
Right: 1334.949+/-0.180 χ^2/NDF: 10970739.4/58

In: 905.604+/-0.118 χ^2/NDF:9314132.6/49

Out: 906.087+/-0.115 χ^2/NDF:11054393.4/56

All: 905.852+/-0.083 χ^2/NDF: 20368534.5/10

asym_sam_3748_avg_reg_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 28.3/26

Left Out: 0.000+/-0.000 χ^2/NDF:34.0/24

Right Out: -0.000+/-0.000 χ^2/NDF: 24.3/31

Left In: 0.000+/-0.000 χ^2/NDF:25.3/22

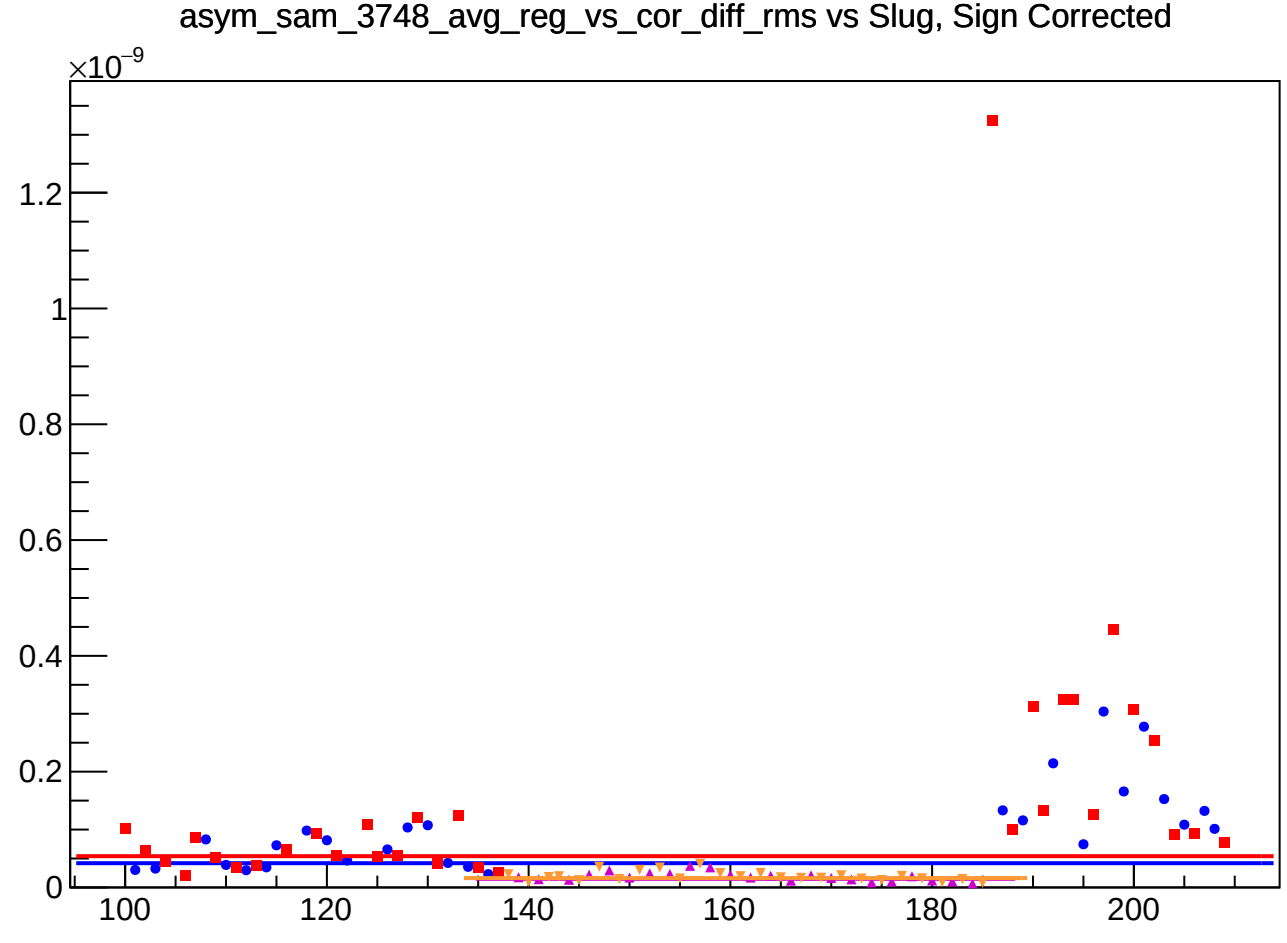
Left: 0.000+/-0.000 χ^2/NDF: 60.1/47

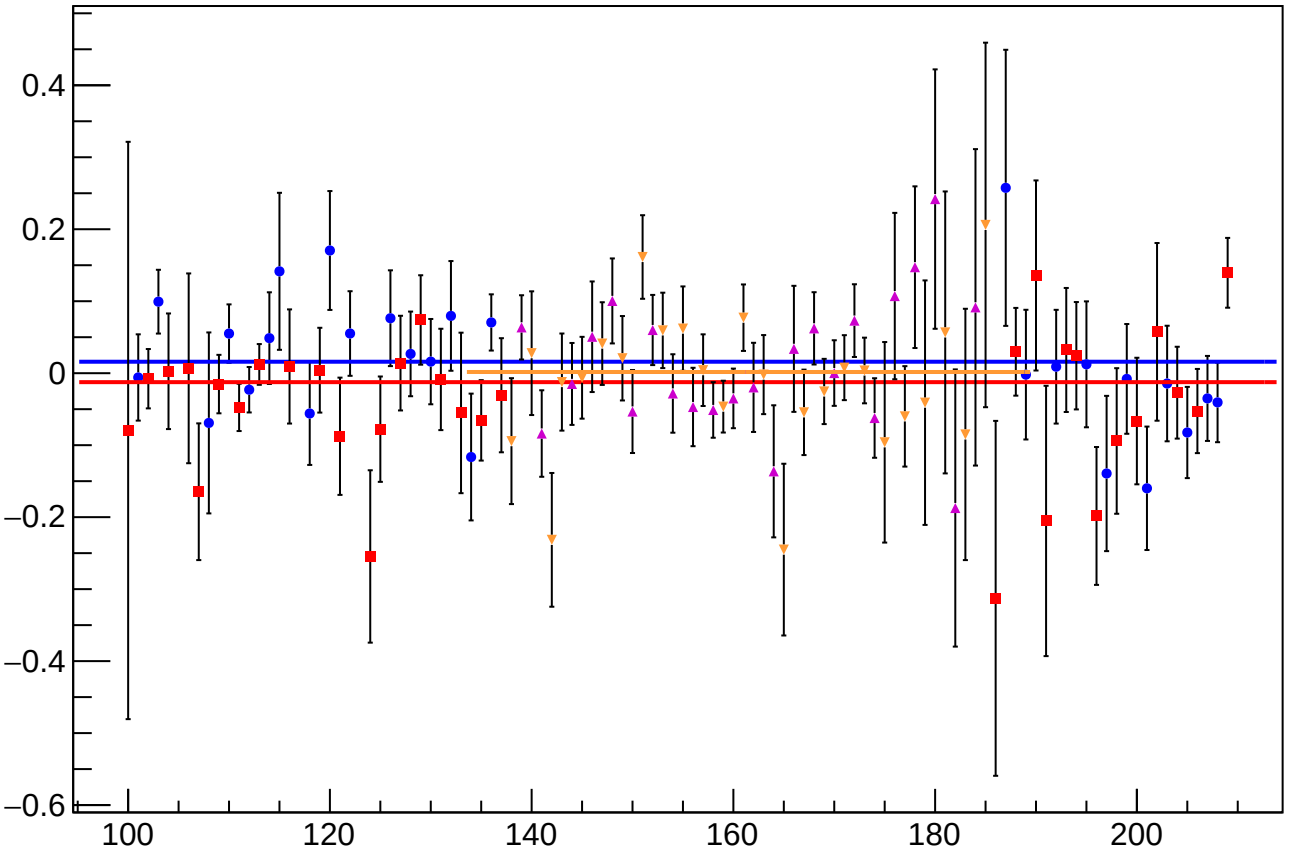
Right: 0.000+/-0.000 χ^2/NDF: 53.3/58

In: 0.000+/-0.000 χ^2/NDF:53.6/49

Out: 0.000+/-0.000 χ^2/NDF:58.6/56

All: 0.000+/-0.000 χ^2/NDF: 113.5/106


asym_sam_3748_avg_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
Right In: 0.000+/-0.000 χ²/NDF: 4994362.7/26
Left Out: 0.000+/-0.000 χ²/NDF:1725685.8/24
Right Out: 0.000+/-0.000 χ²/NDF: 5447535.6/31
Left In: 0.000+/-0.000 χ²/NDF:1661952.2/22
Left: 0.000+/-0.000 χ²/NDF: 3428363.2/47
Right: 0.000+/-0.000 χ²/NDF: 10717600.5/58
In: 0.000+/-0.000 χ²/NDF:9699355.4/49
Out: 0.000+/-0.000 χ²/NDF:11475956.6/56
All: 0.000+/-0.000 χ²/NDF: 21226863.0/106



Right In: 0.016+/-0.012 χ^2/NDF: 31.3/26

Left Out: 0.002+/-0.012 χ^2/NDF:30.4/24

Right Out: -0.012+/-0.011 χ^2/NDF: 33.9/31

Left In: 0.002+/-0.012 χ^2/NDF:26.1/22

Left: 0.002+/-0.009 χ^2/NDF: 56.5/47

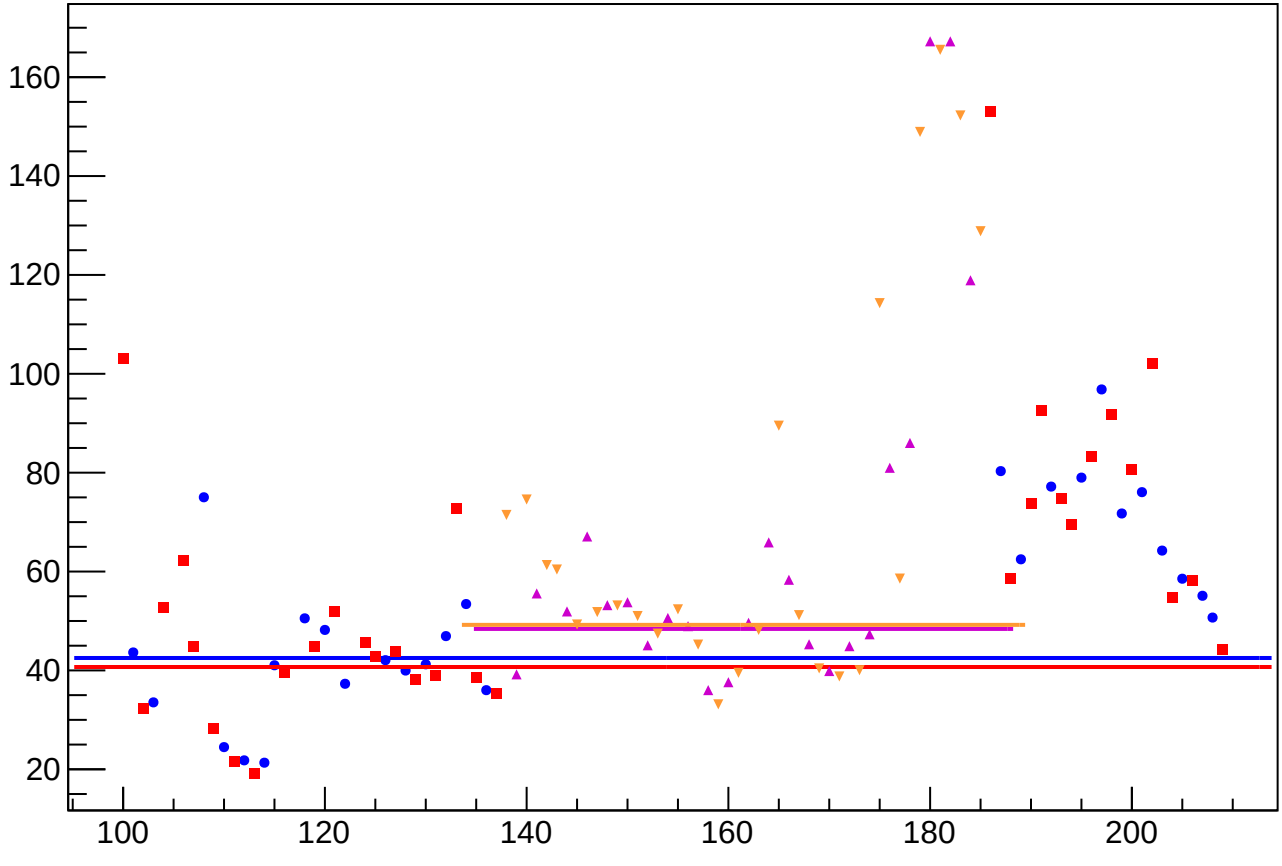
Right: 0.001+/-0.008 χ^2/NDF: 68.2/58

In: 0.009+/-0.009 χ^2/NDF:58.0/49

Out: -0.006+/-0.008 χ^2/NDF:65.0/56

All: 0.001+/-0.006 χ^2/NDF: 124.6/106

asym_sam_3748_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 42.516+/-0.008 χ^2/NDF: 4267708.8/26

Left Out: 49.216+/-0.009 χ^2/NDF:4171670.0/24

Right Out: 40.692+/-0.008 χ^2/NDF: 6078512.2/31

Left In: 48.392+/-0.009 χ^2/NDF:3033240.8/22

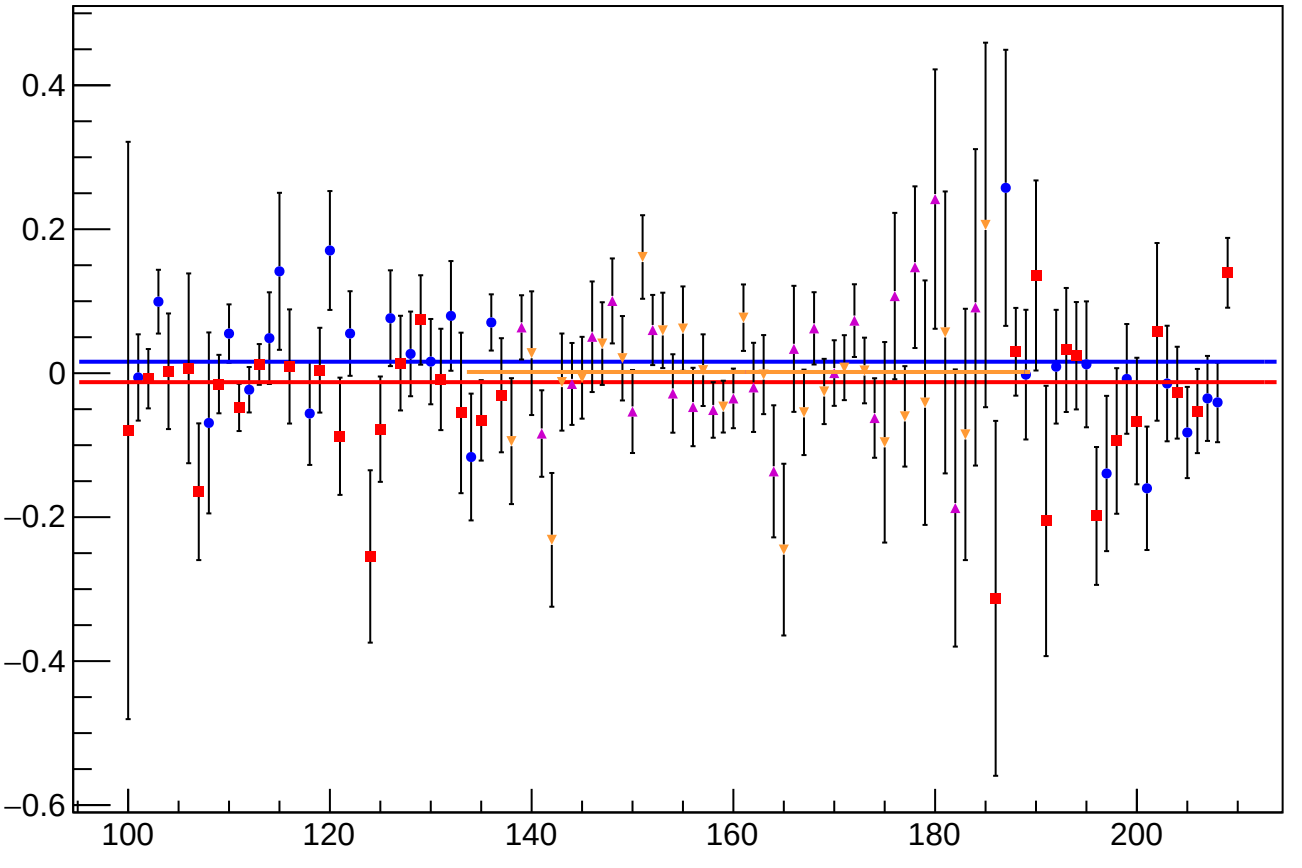
Left: 48.807+/-0.006 χ^2/NDF: 7209372.0/47

Right: 41.554+/-0.006 χ^2/NDF: 10370920.9/58

In: 45.346+/-0.006 χ^2/NDF:7534900.3/49

Out: 44.587+/-0.006 χ^2/NDF:10771978.4/56

All: 44.955+/-0.004 χ^2/NDF: 18314936.4/106



Right In: 0.016+/-0.012 χ^2/NDF: 31.3/26

Left Out: 0.002+/-0.012 χ^2/NDF:30.4/24

Right Out: -0.012+/-0.011 χ^2/NDF: 33.9/31

Left In: 0.002+/-0.012 χ^2/NDF:26.1/22

Left: 0.002+/-0.009 χ^2/NDF: 56.5/47

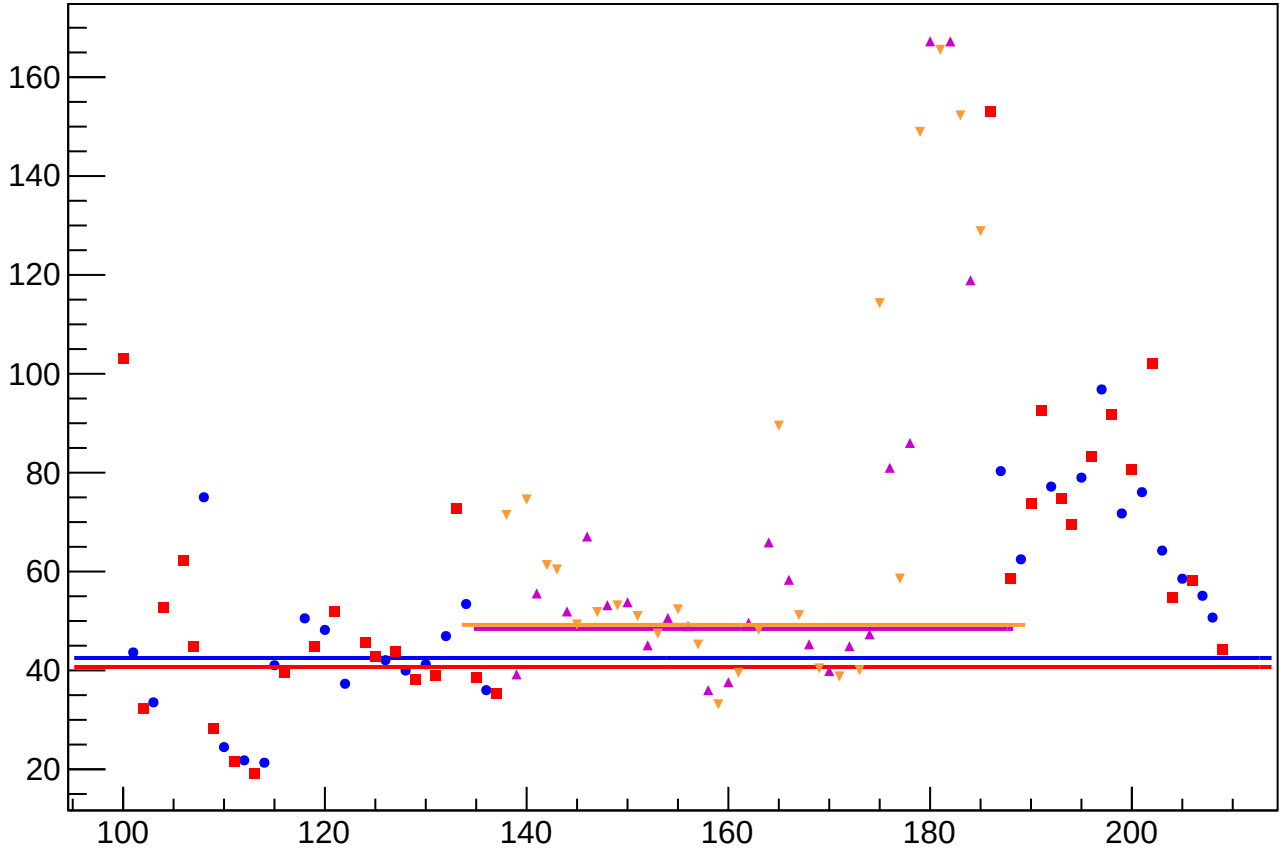
Right: 0.001+/-0.008 χ^2/NDF: 68.2/58

In: 0.009+/-0.009 χ^2/NDF:58.0/49

Out: -0.006+/-0.008 χ^2/NDF:65.0/56

All: 0.001+/-0.006 χ^2/NDF: 124.6/106

asym_sam_3748_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 42.516+/-0.008 χ^2/NDF: 4267708.8/26

Left Out: 49.216+/-0.009 χ^2/NDF:4171670.0/24

Right Out: 40.692+/-0.008 χ^2/NDF: 6078512.2/31

Left In: 48.392+/-0.009 χ^2/NDF:3033240.8/22

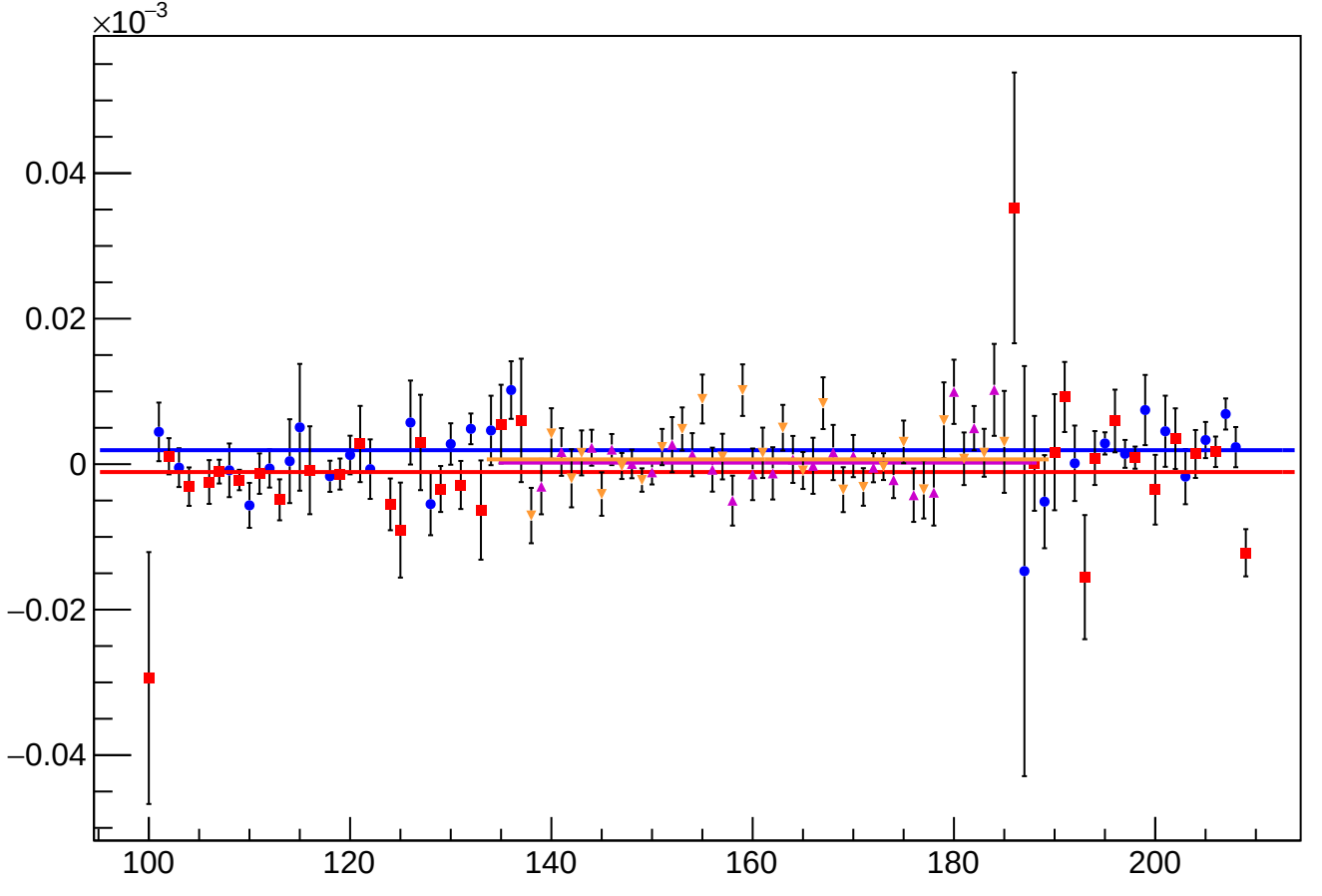
Left: 48.807+/-0.006 χ^2/NDF: 7209372.0/47

Right: 41.554+/-0.006 χ^2/NDF: 10370920.9/58

In: 45.346+/-0.006 χ^2/NDF:7534900.3/49

Out: 44.587+/-0.006 χ^2/NDF:10771978.4/56

All: 44.955+/-0.004 χ^2/NDF: 18314936.4/106



Right In: 0.000+/-0.000 χ^2/NDF: 32.7/26

Left Out: 0.000+/-0.000 χ^2/NDF:41.7/24

Right Out: -0.000+/-0.000 χ^2/NDF: 45.8/31

Left In: 0.000+/-0.000 χ^2/NDF:19.8/22

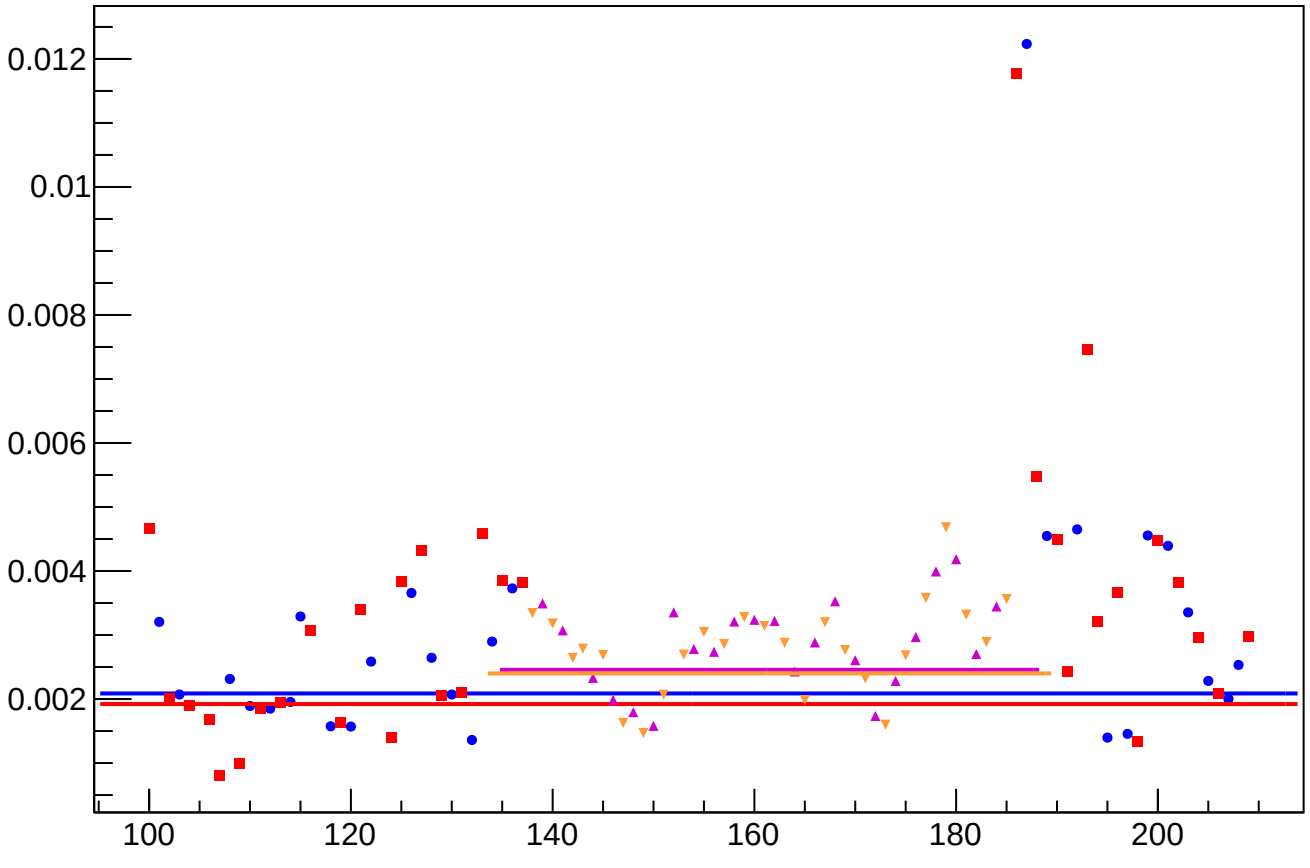
Left: 0.000+/-0.000 χ^2/NDF: 61.7/47

Right: 0.000+/-0.000 χ^2/NDF: 92.9/58

In: 0.000+/-0.000 χ^2/NDF:56.7/49

Out: -0.000+/-0.000 χ^2/NDF:92.4/56

All: 0.000+/-0.000 χ^2/NDF: 154.6/106



Right In: 0.002+/-0.000 χ^2/NDF: 4192902.8/26

Left Out: 0.002+/-0.000 χ^2/NDF:3123870.1/24

Right Out: 0.002+/-0.000 χ^2/NDF: 7794055.5/31

Left In: 0.002+/-0.000 χ^2/NDF:2629718.7/22

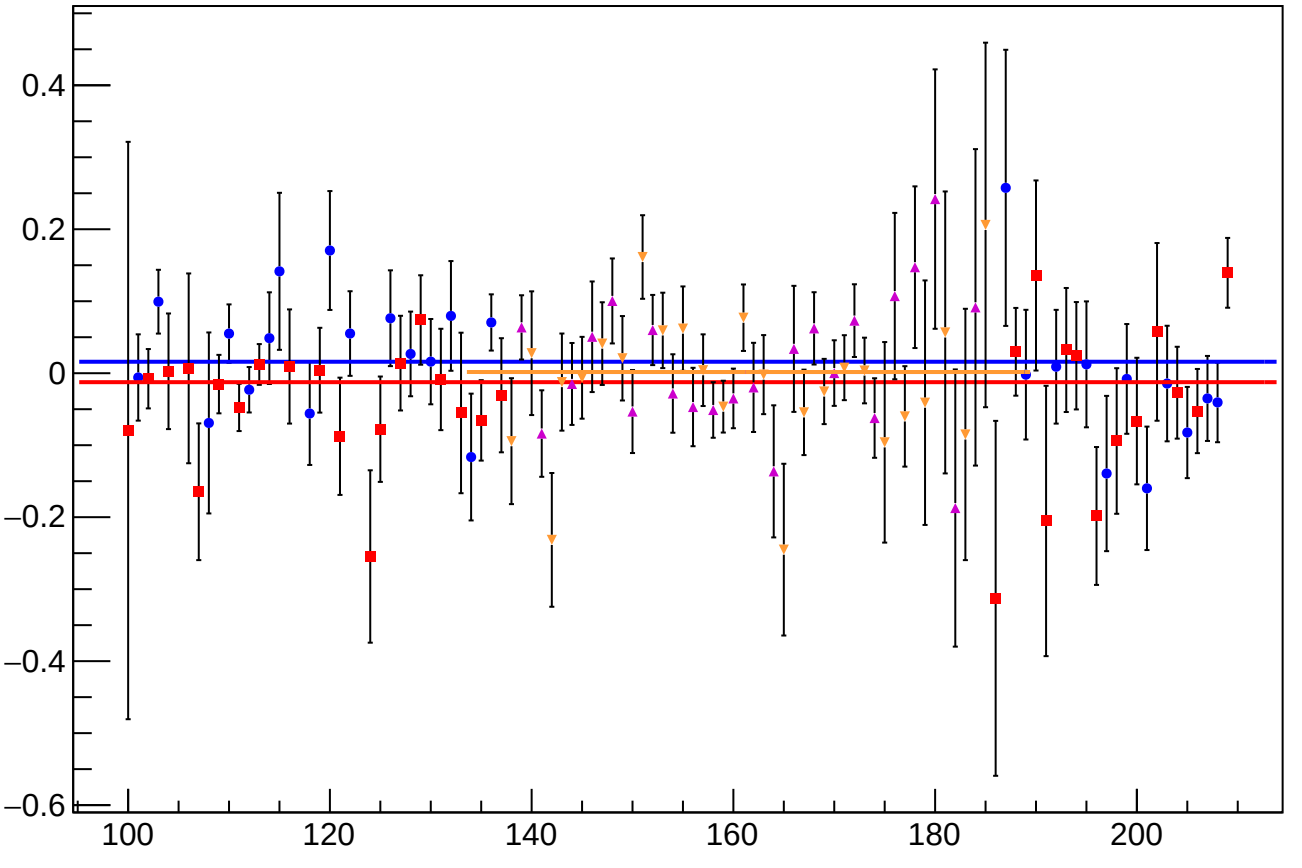
Left: 0.002+/-0.000 χ^2/NDF: 5762873.5/47

Right: 0.002+/-0.000 χ^2/NDF: 12073330.0/58

In: 0.002+/-0.000 χ^2/NDF:7213538.9/49

Out: 0.002+/-0.000 χ^2/NDF:11653250.3/56

All: 0.002+/-0.000 χ^2/NDF: 18950807.2/106



Right In: 0.016+/-0.012 χ^2/NDF: 31.3/26

Left Out: 0.002+/-0.012 χ^2/NDF:30.4/24

Right Out: -0.012+/-0.011 χ^2/NDF: 33.9/31

Left In: 0.002+/-0.012 χ^2/NDF:26.1/22

Left: 0.002+/-0.009 χ^2/NDF: 56.5/47

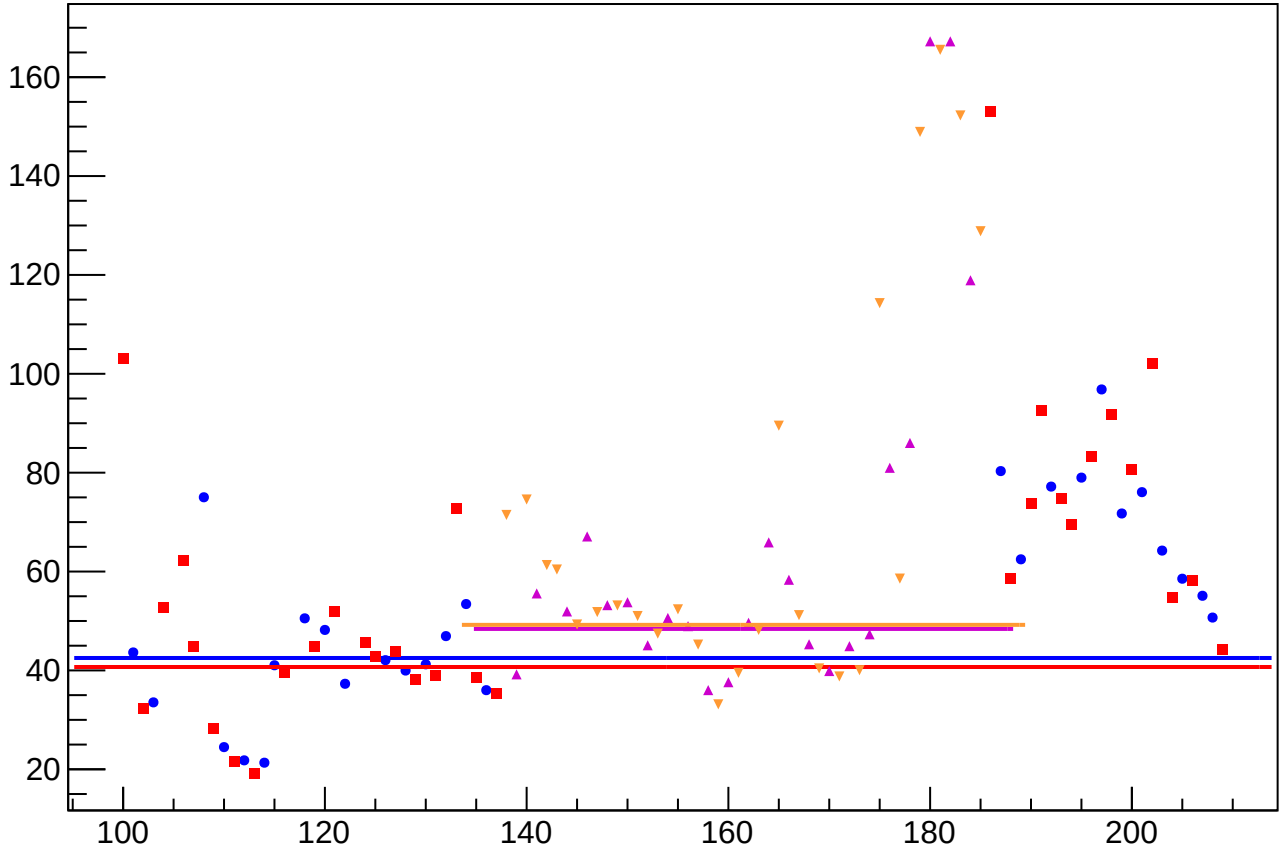
Right: 0.001+/-0.008 χ^2/NDF: 68.1/58

In: 0.009+/-0.009 χ^2/NDF:58.0/49

Out: -0.006+/-0.008 χ^2/NDF:65.0/56

All: 0.001+/-0.006 χ^2/NDF: 124.6/106

asym_sam_3748_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 42.517+/-0.008 χ^2/NDF: 4267587.0/26

Left Out: 49.217+/-0.009 χ^2/NDF:4171640.8/24

Right Out: 40.693+/-0.008 χ^2/NDF: 6078450.8/31

Left In: 48.393+/-0.009 χ^2/NDF:3033208.4/22

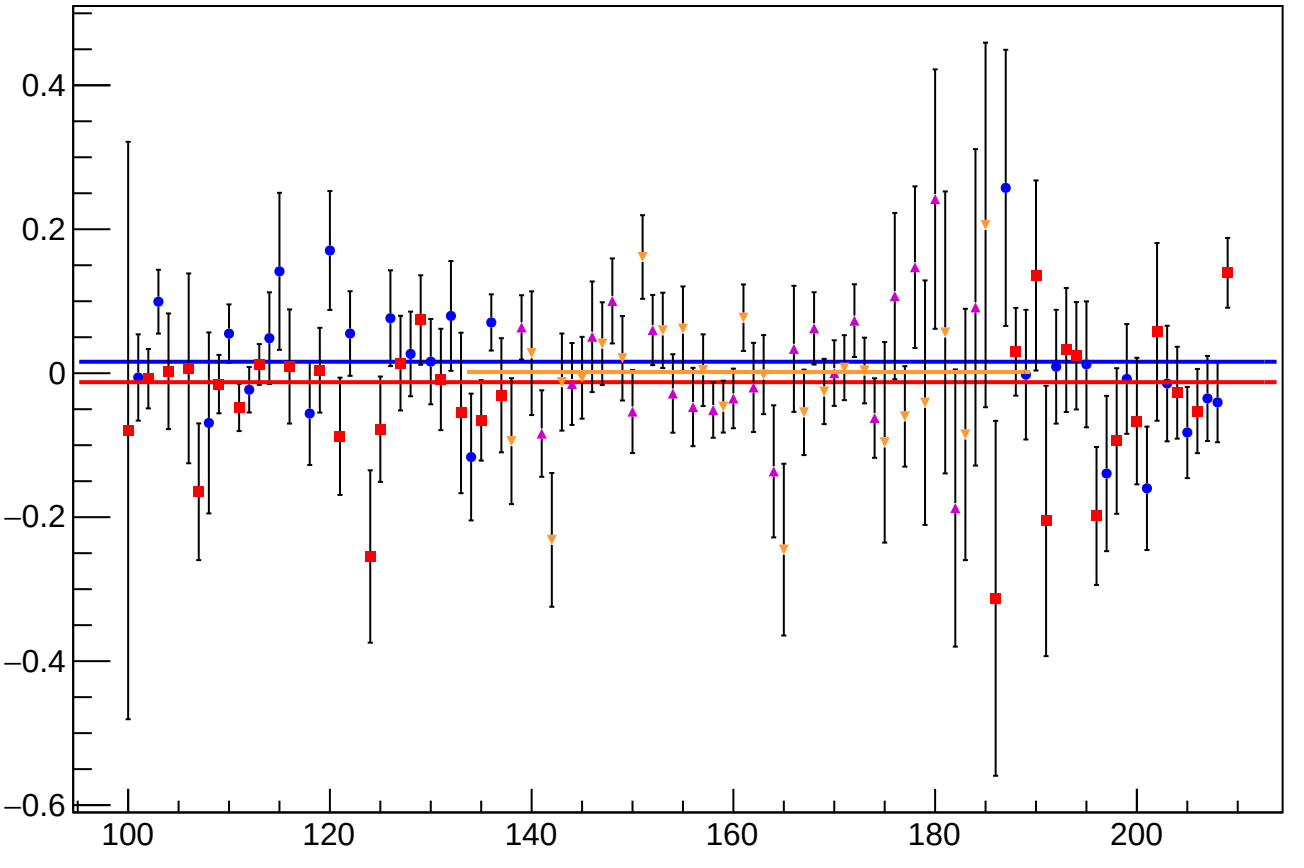
Left: 48.807+/-0.006 χ^2/NDF: 7209310.4/47

Right: 41.554+/-0.006 χ^2/NDF: 10370735.0/58

In: 45.346+/-0.006 χ^2/NDF:7534757.4/49

Out: 44.588+/-0.006 χ^2/NDF:10771893.3/56

All: 44.955+/-0.004 χ^2/NDF: 18314706.9/106



Right In: 0.016+/-0.012 χ^2/NDF: 31.3/26

Left Out: 0.002+/-0.012 χ^2/NDF:30.4/24

Right Out: -0.012+/-0.011 χ^2/NDF: 33.9/31

Left In: 0.002+/-0.012 χ^2/NDF:26.1/22

Left: 0.002+/-0.009 χ^2/NDF: 56.5/47

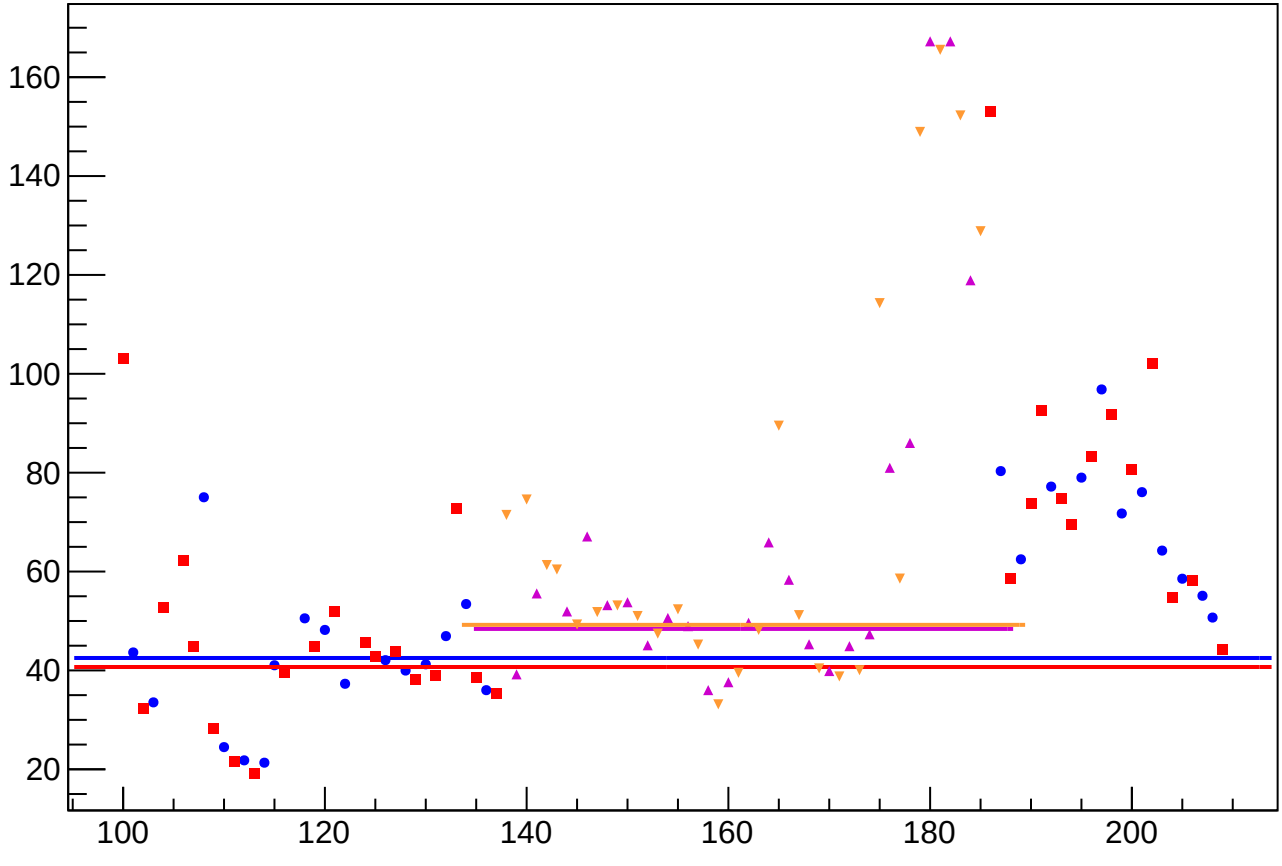
Right: 0.001+/-0.008 χ^2/NDF: 68.1/58

In: 0.009+/-0.009 χ^2/NDF:58.0/49

Out: -0.006+/-0.008 χ^2/NDF:65.0/56

All: 0.001+/-0.006 χ^2/NDF: 124.6/106

asym_sam_3748_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 42.517+/-0.008 χ^2/NDF: 4267587.0/26

Left Out: 49.217+/-0.009 χ^2/NDF:4171640.8/24

Right Out: 40.693+/-0.008 χ^2/NDF: 6078450.8/31

Left In: 48.393+/-0.009 χ^2/NDF:3033208.4/22

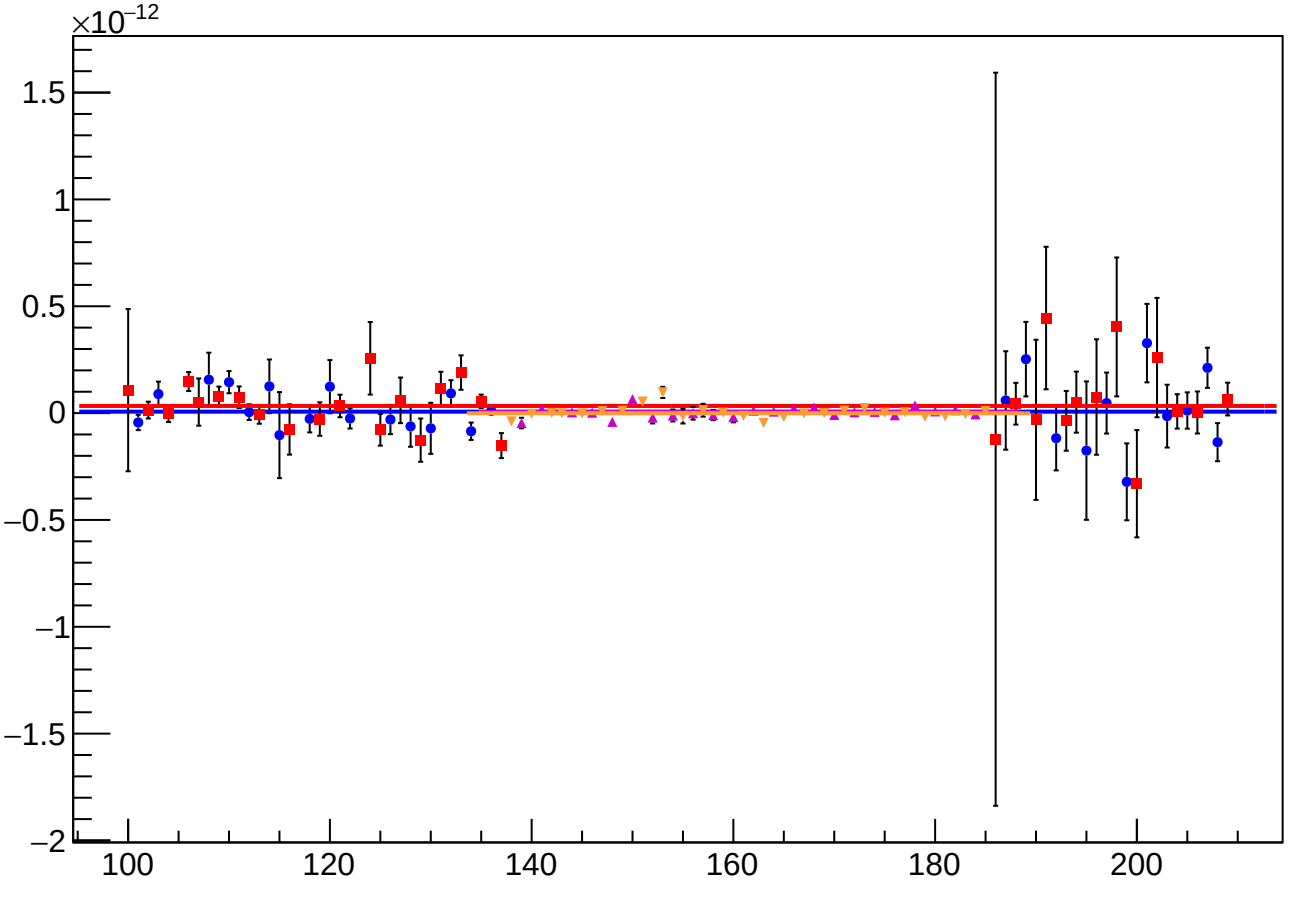
Left: 48.807+/-0.006 χ^2/NDF: 7209310.4/47

Right: 41.554+/-0.006 χ^2/NDF: 10370735.0/58

In: 45.346+/-0.006 χ^2/NDF:7534757.4/49

Out: 44.588+/-0.006 χ^2/NDF:10771893.3/56

All: 44.955+/-0.004 χ^2/NDF: 18314706.9/106



Right In: 0.000+/-0.000 χ^2/NDF: 40.4/26

Left Out: -0.000+/-0.000 χ^2/NDF:37.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 39.8/31

Left In: 0.000+/-0.000 χ^2/NDF:28.4/22

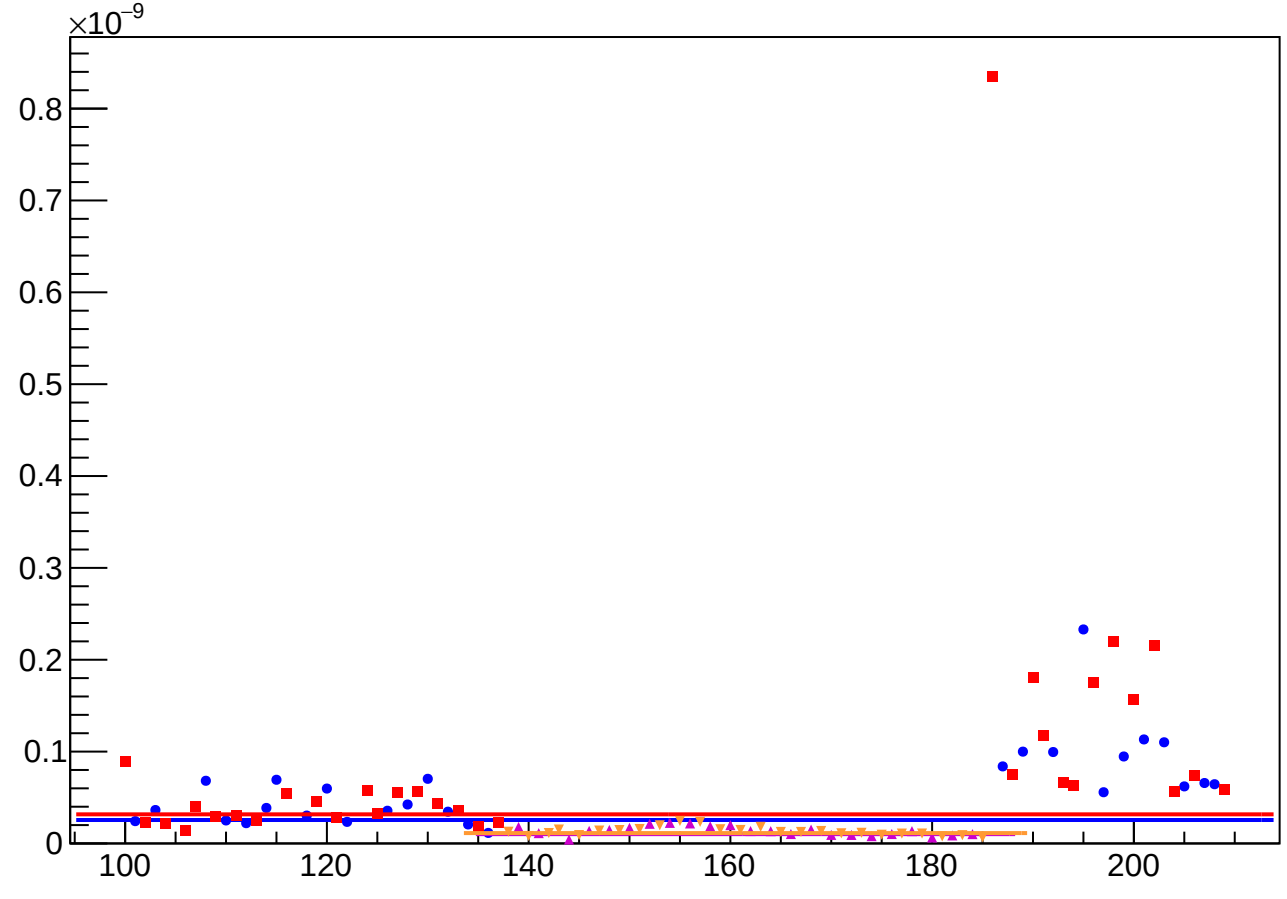
Left: 0.000+/-0.000 χ^2/NDF: 67.2/47

Right: 0.000+/-0.000 χ^2/NDF: 82.8/58

In: 0.000+/-0.000 χ^2/NDF:68.9/49

Out: 0.000+/-0.000 χ^2/NDF:83.9/56

All: 0.000+/-0.000 χ^2/NDF: 153.6/106



Right In: 0.000+/-0.000 χ^2/NDF: 6790397.4/26

Left Out: 0.000+/-0.000 χ^2/NDF:2206266.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 6447287.4/31

Left In: 0.000+/-0.000 χ^2/NDF:4024430.8/22

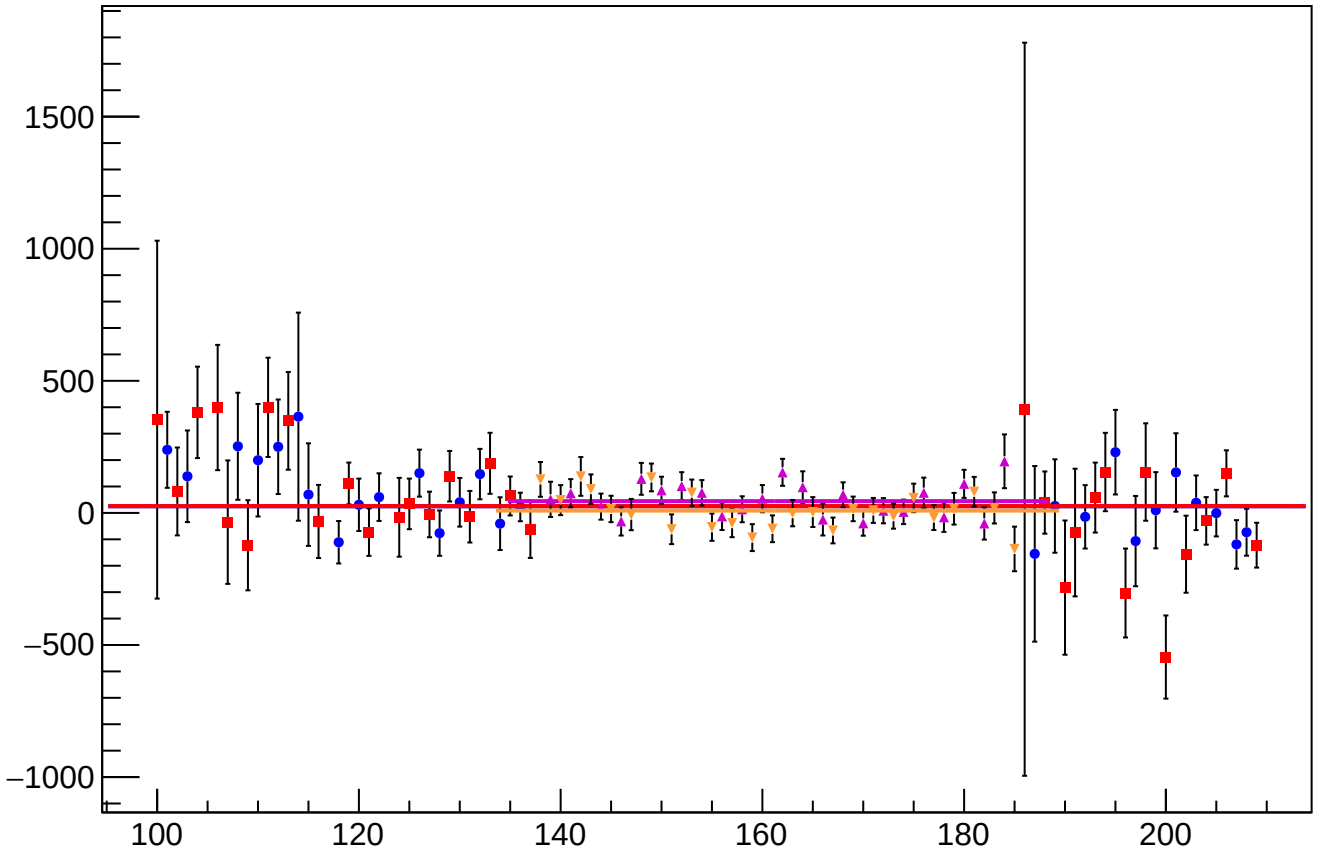
Left: 0.000+/-0.000 χ^2/NDF: 6357070.7/47

Right: 0.000+/-0.000 χ^2/NDF: 13516947.9/58

In: 0.000+/-0.000 χ^2/NDF:14445411.5/49

Out: 0.000+/-0.000 χ^2/NDF:13768964.7/56

All: 0.000+/-0.000 χ^2/NDF: 28389364.0/106



Right In: 25.006+/-21.084 χ^2/NDF: 22.6/26

Left Out: 8.756+/-10.770 χ^2/NDF:34.6/24

Right Out: 25.724+/-21.634 χ^2/NDF: 49.1/31

Left In: 44.541+/-11.149 χ^2/NDF:27.0/22

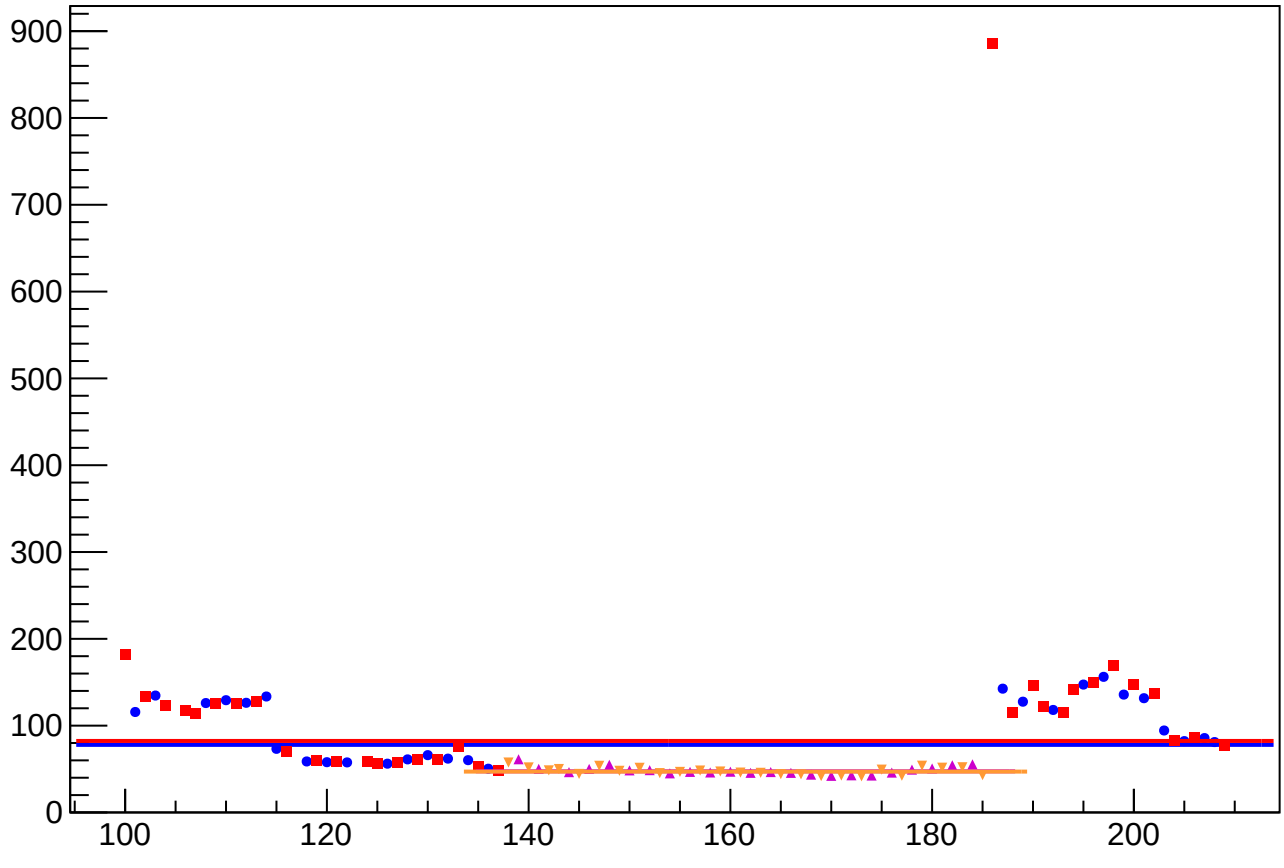
Left: 26.030+/-7.746 χ^2/NDF: 66.9/47

Right: 25.356+/-15.099 χ^2/NDF: 71.8/58

In: 40.273+/-9.856 χ^2/NDF:50.3/49

Out: 12.126+/-9.641 χ^2/NDF:84.2/56

All: 25.889+/-6.892 χ^2/NDF: 138.7/106



Right In: 77.858+/-0.015 χ^2/NDF: 3841208.4/26

Left Out: 47.064+/-0.008 χ^2/NDF:287590.7/24

Right Out: 82.370+/-0.015 χ^2/NDF: 4994305.2/31

Left In: 47.384+/-0.008 χ^2/NDF:271036.5/22

Left: 47.218+/-0.005 χ^2/NDF: 559476.9/47

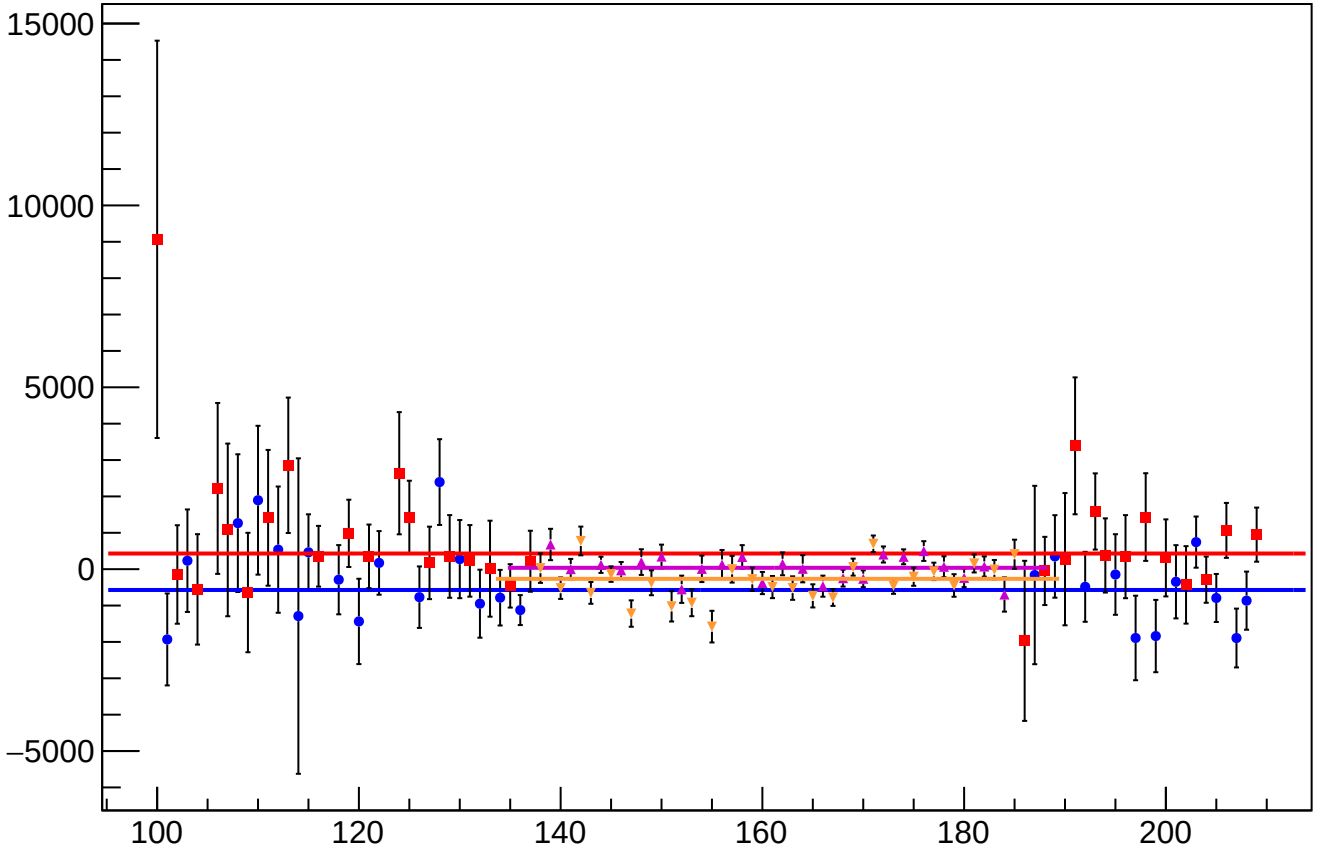
Right: 80.056+/-0.011 χ^2/NDF: 8880126.0/58

In: 54.042+/-0.007 χ^2/NDF:7377624.9/49

Out: 54.076+/-0.007 χ^2/NDF:9550706.1/56

All: 54.059+/-0.005 χ^2/NDF: 16928342.7/106

asym_sam_1526_avg_reg_correction_mean vs Slug, Sign Corrected



Right In: -571.785+/-180.187 χ^2/NDF: 25.9/26

Left Out: -265.684+/-58.031 χ^2/NDF:69.8/24

Right Out: 430.278+/-188.042 χ^2/NDF: 20.8/31

Left In: 37.530+/-59.159 χ^2/NDF:26.6/22

Left: -116.996+/-41.427 χ^2/NDF: 109.8/47

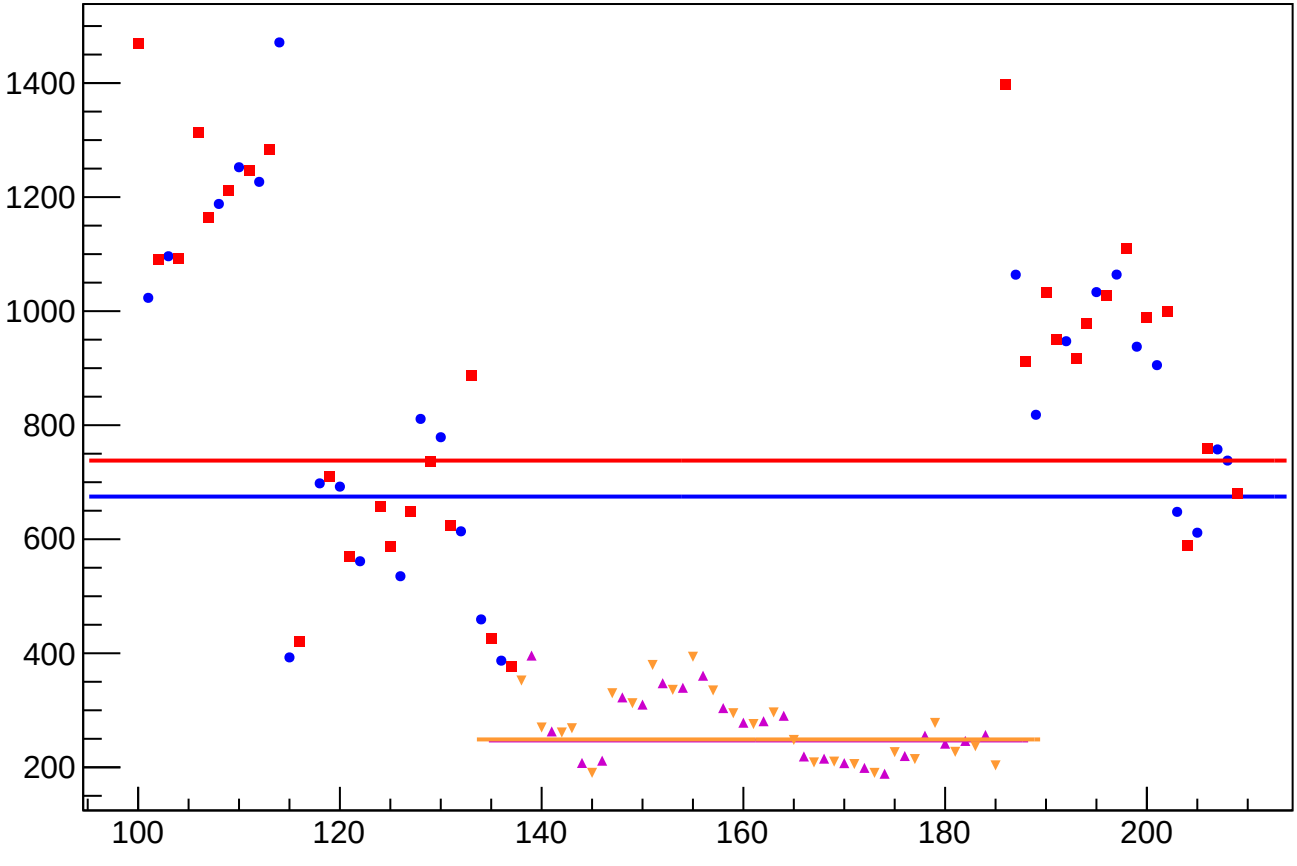
Right: -92.120+/-130.100 χ^2/NDF: 61.5/58

In: -21.761+/-56.208 χ^2/NDF:62.9/49

Out: -205.165+/-55.451 χ^2/NDF:103.1/56

All: -114.706+/-39.474 χ^2/NDF: 171.3/106

asym_sam_1526_avg_reg_correction_rms vs Slug, Sign Corrected



Right In: 674.812+/-0.127 χ^2/NDF: 3306253.5/26

Left Out: 248.891+/-0.041 χ^2/NDF:1663709.5/24

Right Out: 737.951+/-0.133 χ^2/NDF: 3525614.5/31

Left In: 247.109+/-0.042 χ^2/NDF:1484450.6/22

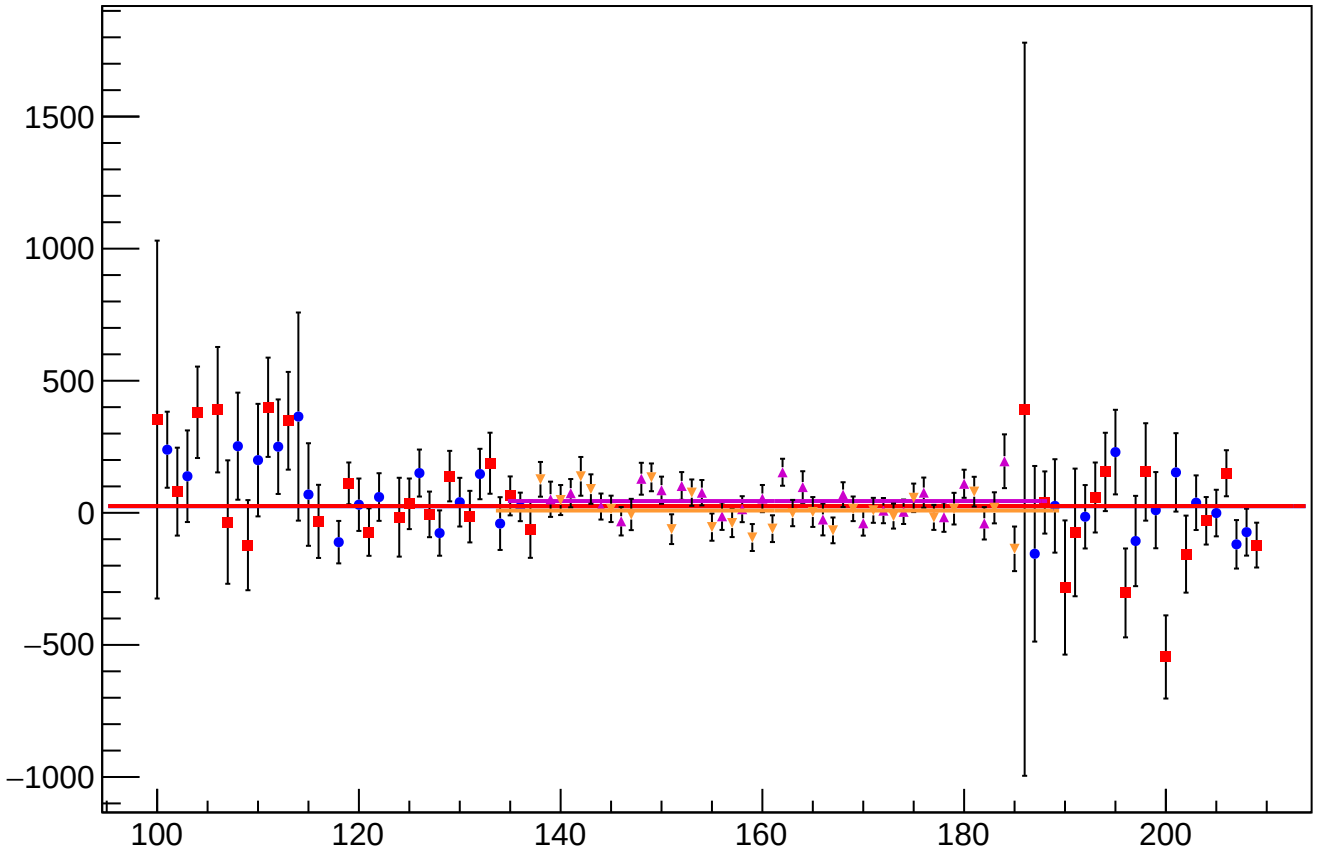
Left: 248.017+/-0.029 χ^2/NDF: 3149084.7/47

Right: 705.035+/-0.092 χ^2/NDF: 6949417.7/58

In: 288.727+/-0.040 χ^2/NDF:14962730.5/49

Out: 291.418+/-0.039 χ^2/NDF:17541242.9/56

All: 290.091+/-0.028 χ^2/NDF: 32506295.9/10



Right In: 24.997+/-21.084 χ^2/NDF: 22.6/26

Left Out: 8.758+/-10.770 χ^2/NDF:34.6/24

Right Out: 25.628+/-21.634 χ^2/NDF: 49.0/31

Left In: 44.540+/-11.149 χ^2/NDF:27.0/22

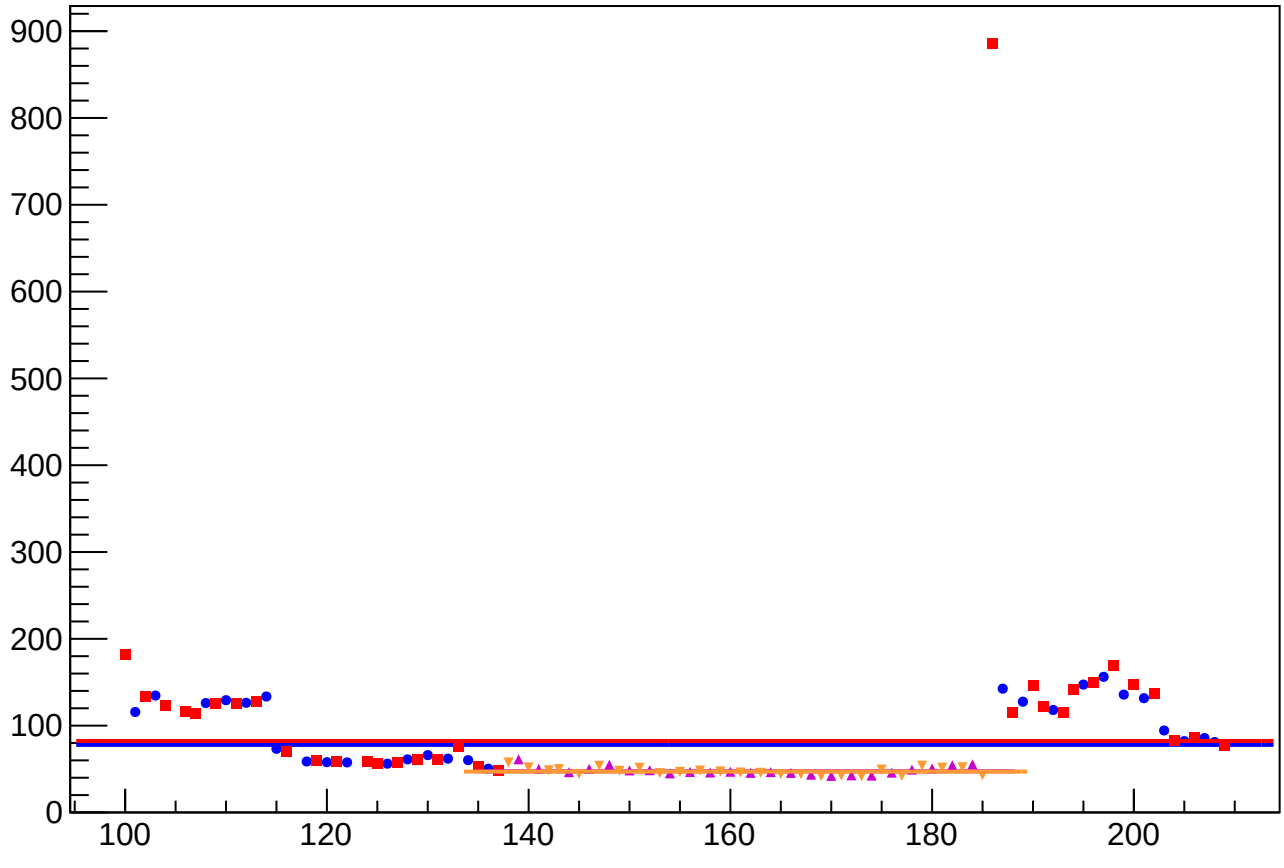
Left: 26.030+/-7.746 χ^2/NDF: 66.9/47

Right: 25.304+/-15.100 χ^2/NDF: 71.6/58

In: 40.270+/-9.856 χ^2/NDF:50.3/49

Out: 12.108+/-9.641 χ^2/NDF:84.1/56

All: 25.879+/-6.892 χ^2/NDF: 138.6/106



Right In: 77.858+/-0.015 χ^2/NDF: 3841210.7/26

Left Out: 47.064+/-0.008 χ^2/NDF:287590.7/24

Right Out: 82.361+/-0.015 χ^2/NDF: 4992026.6/31

Left In: 47.384+/-0.008 χ^2/NDF:271036.5/22

Left: 47.218+/-0.005 χ^2/NDF: 559476.9/47

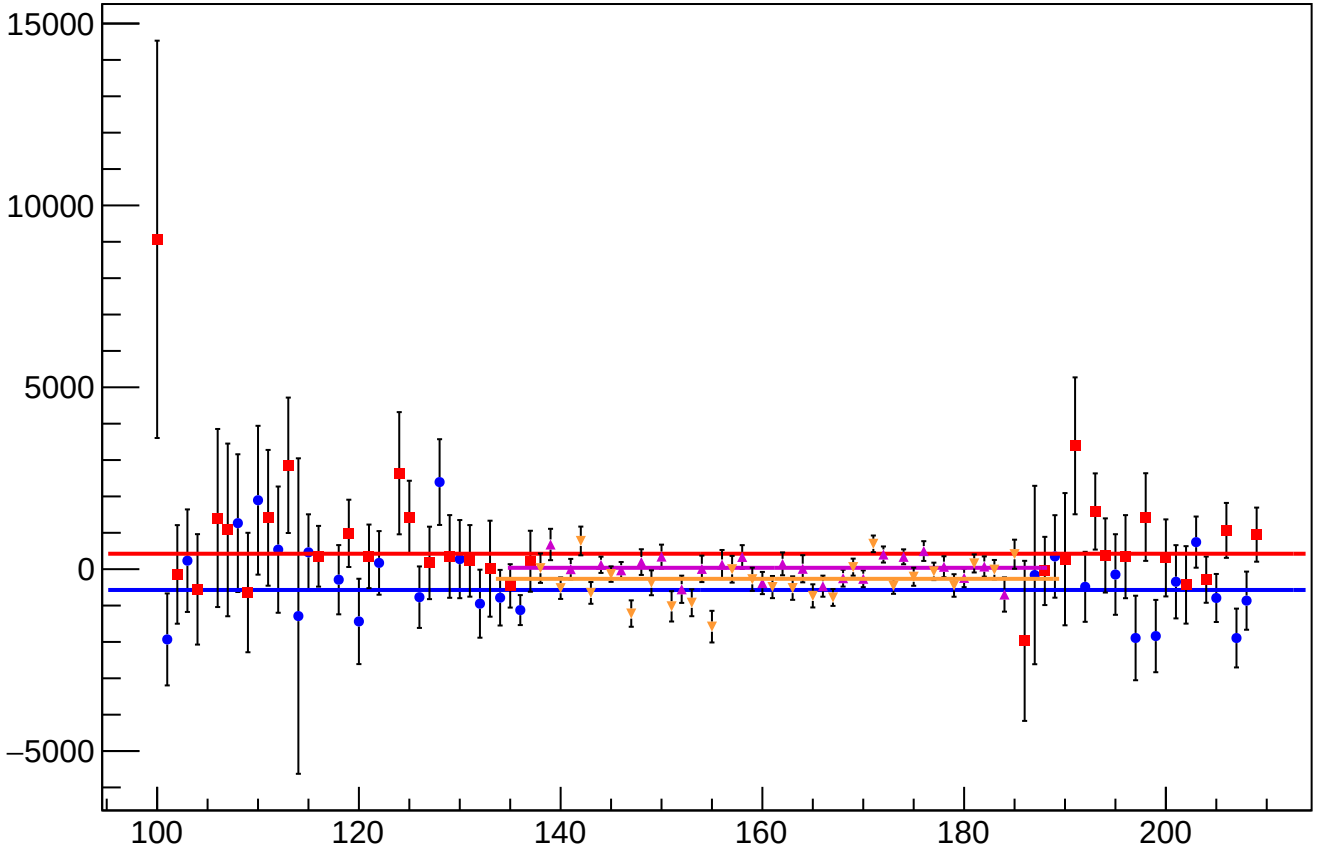
Right: 80.052+/-0.011 χ^2/NDF: 8877674.8/58

In: 54.042+/-0.007 χ^2/NDF:7377627.0/49

Out: 54.074+/-0.007 χ^2/NDF:9546167.9/56

All: 54.058+/-0.005 χ^2/NDF: 16923805.2/106

asym_sam_1526_avg_cor_correction_mean vs Slug, Sign Corrected



Right In: -571.777+/-180.187 χ^2/NDF: 25.9/26

Left Out: -265.680+/-58.031 χ^2/NDF:69.8/24

Right Out: 424.635+/-188.092 χ^2/NDF: 20.3/31

Left In: 37.527+/-59.159 χ^2/NDF:26.6/22

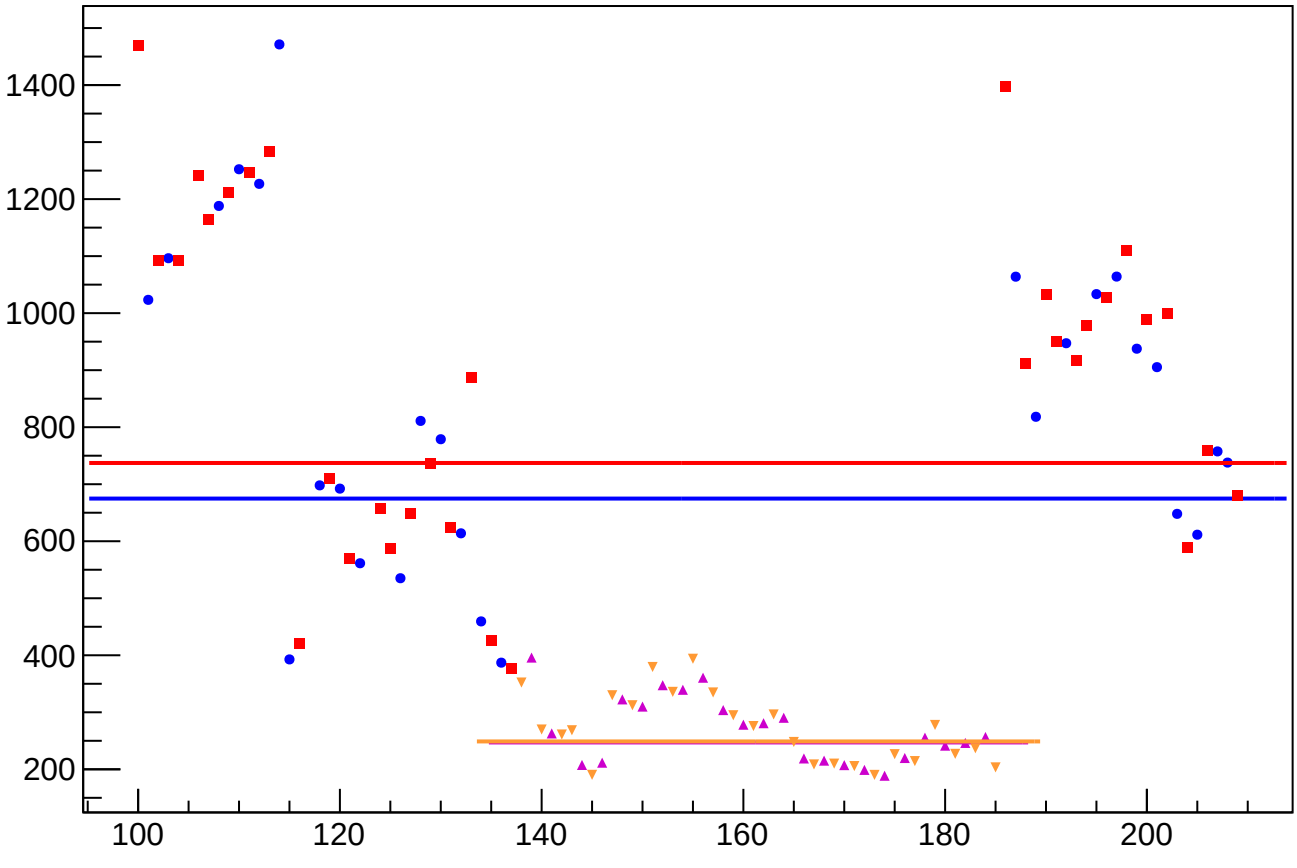
Left: -116.996+/-41.427 χ^2/NDF: 109.8/47

Right: -94.950+/-130.117 χ^2/NDF: 60.9/58

In: -21.763+/-56.208 χ^2/NDF:62.9/49

Out: -205.682+/-55.452 χ^2/NDF:102.4/56

All: -114.967+/-39.475 χ^2/NDF: 170.7/106



Right In: 674.812+/-0.127 χ^2/NDF: 3306293.0/26

Left Out: 248.891+/-0.041 χ^2/NDF:1663717.9/24

Right Out: 737.242+/-0.133 χ^2/NDF: 3490669.1/31

Left In: 247.109+/-0.042 χ^2/NDF:1484445.1/22

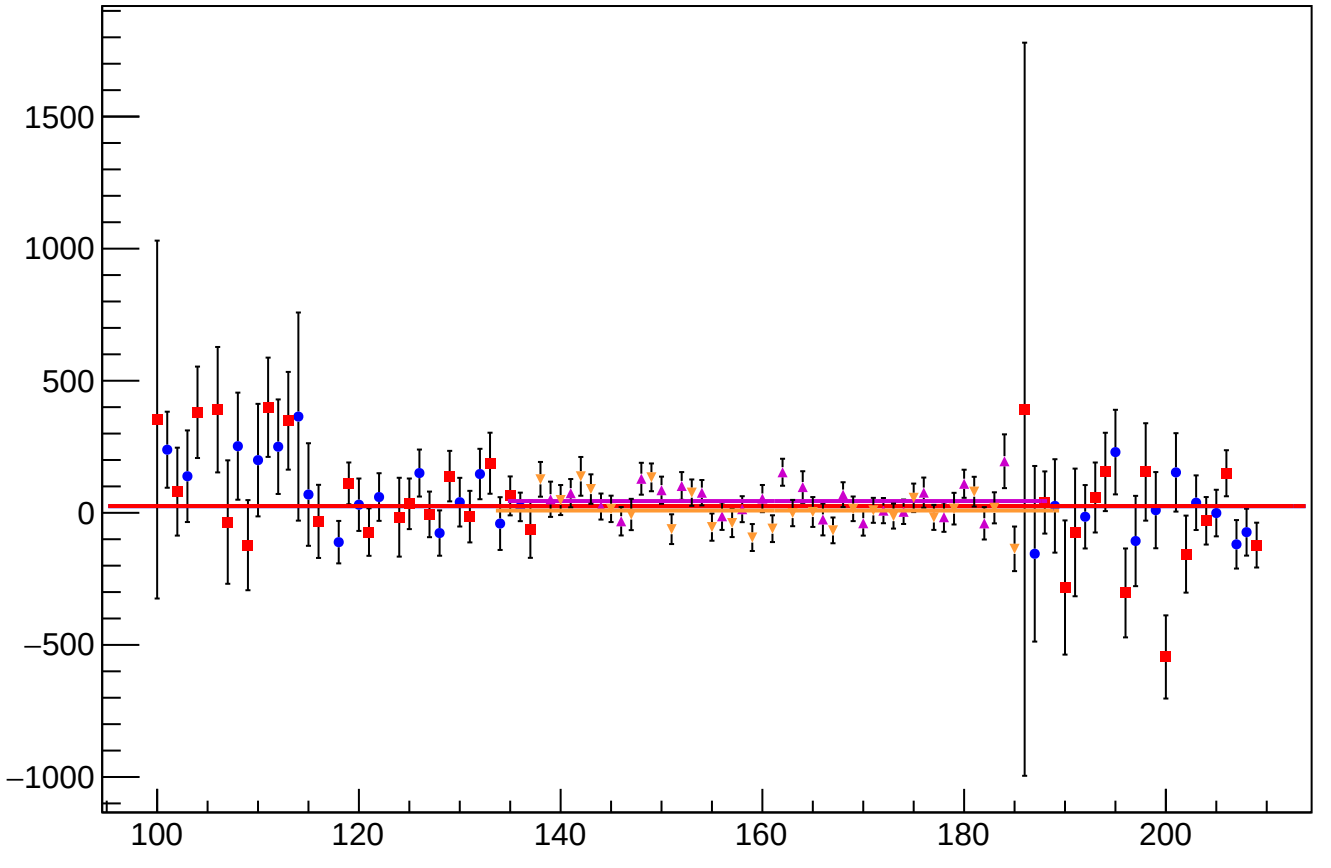
Left: 248.017+/-0.029 χ^2/NDF: 3149087.2/47

Right: 704.688+/-0.092 χ^2/NDF: 6911854.5/58

In: 288.727+/-0.040 χ^2/NDF:14962742.3/49

Out: 291.335+/-0.039 χ^2/NDF:17464546.2/56

All: 290.049+/-0.028 χ^2/NDF: 32429470.7/10



Right In: 24.997+/-21.084 χ^2/NDF: 22.6/26

Left Out: 8.758+/-10.770 χ^2/NDF:34.6/24

Right Out: 25.628+/-21.634 χ^2/NDF: 49.0/31

Left In: 44.540+/-11.149 χ^2/NDF:27.0/22

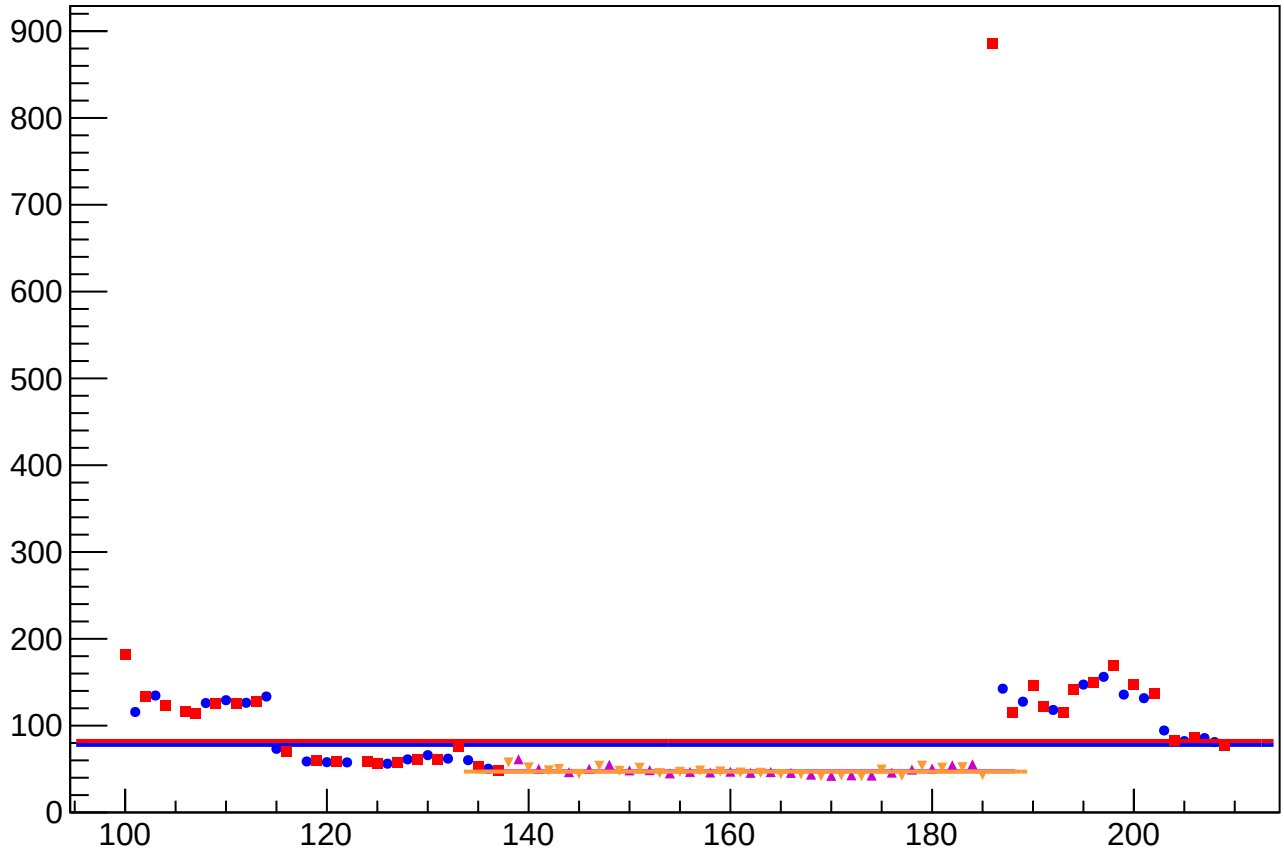
Left: 26.030+/-7.746 χ^2/NDF: 66.9/47

Right: 25.304+/-15.100 χ^2/NDF: 71.6/58

In: 40.270+/-9.856 χ^2/NDF:50.3/49

Out: 12.108+/-9.641 χ^2/NDF:84.1/56

All: 25.879+/-6.892 χ^2/NDF: 138.6/106



Right In: 77.858+/-0.015 χ^2/NDF: 3841210.7/26

Left Out: 47.064+/-0.008 χ^2/NDF:287590.7/24

Right Out: 82.361+/-0.015 χ^2/NDF: 4992026.6/31

Left In: 47.384+/-0.008 χ^2/NDF:271036.5/22

Left: 47.218+/-0.005 χ^2/NDF: 559476.9/47

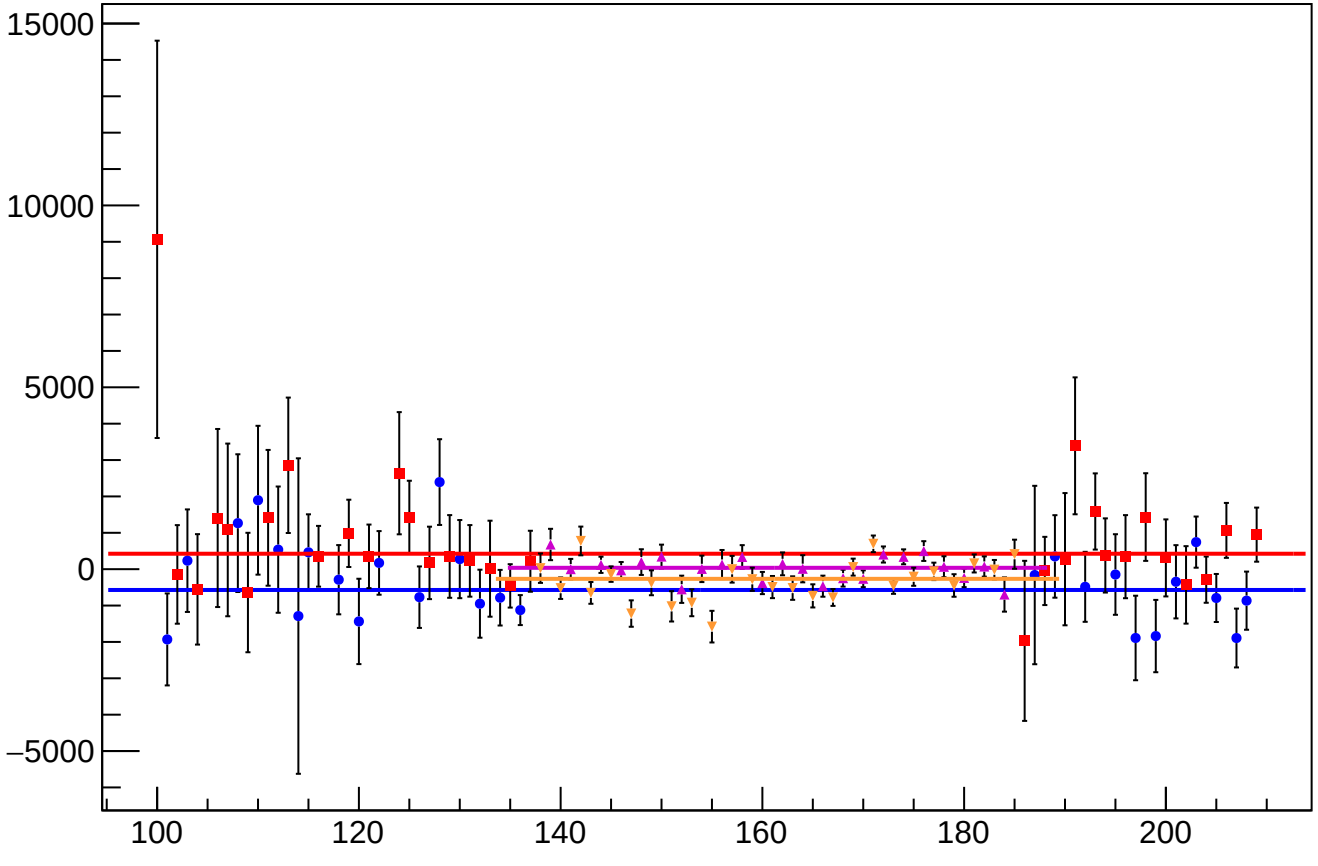
Right: 80.052+/-0.011 χ^2/NDF: 8877674.8/58

In: 54.042+/-0.007 χ^2/NDF:7377627.0/49

Out: 54.074+/-0.007 χ^2/NDF:9546167.9/56

All: 54.058+/-0.005 χ^2/NDF: 16923805.2/106

asym_sam_1526_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -571.777+/-180.187 χ^2/NDF: 25.9/26

Left Out: -265.680+/-58.031 χ^2/NDF:69.8/24

Right Out: 424.635+/-188.092 χ^2/NDF: 20.3/31

Left In: 37.527+/-59.159 χ^2/NDF:26.6/22

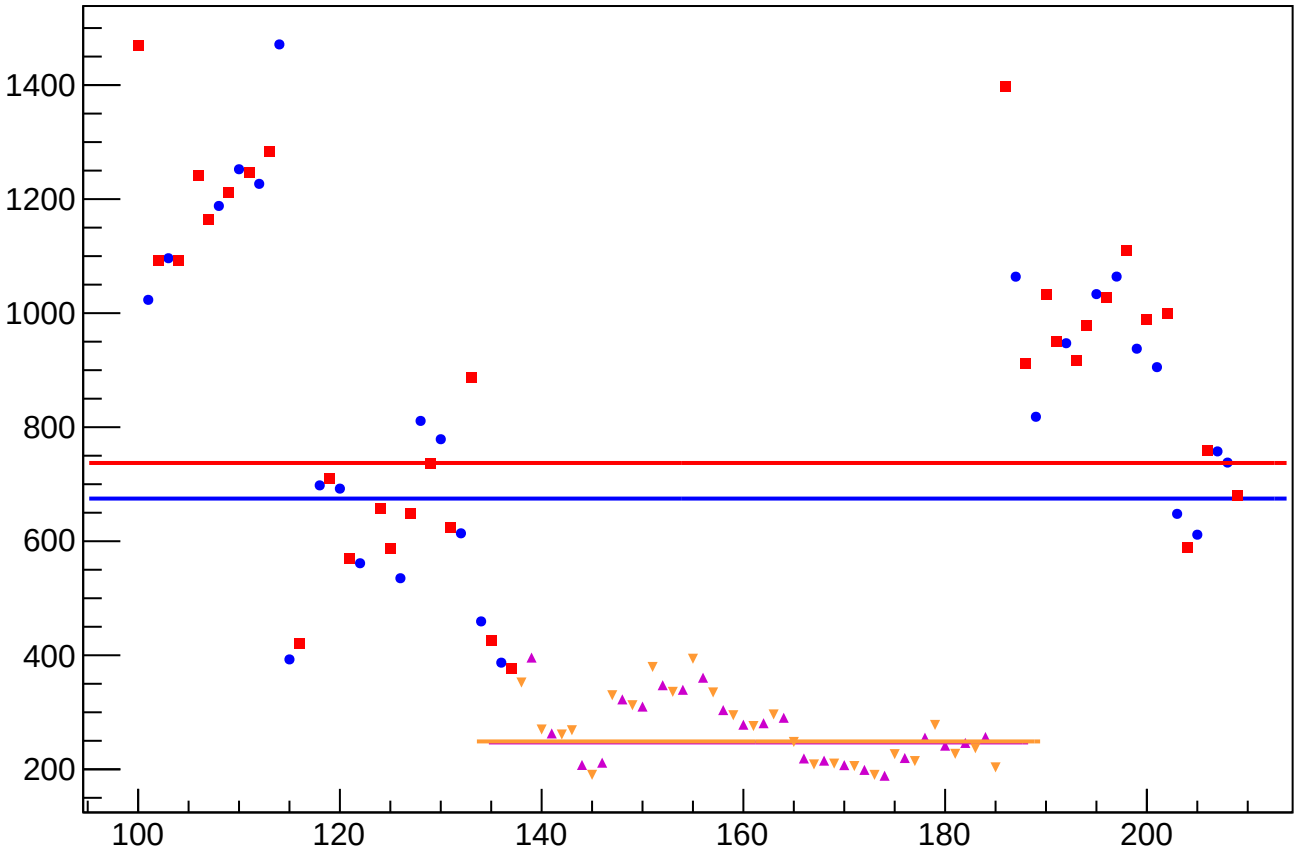
Left: -116.996+/-41.427 χ^2/NDF: 109.8/47

Right: -94.950+/-130.117 χ^2/NDF: 60.9/58

In: -21.763+/-56.208 χ^2/NDF:62.9/49

Out: -205.682+/-55.452 χ^2/NDF:102.4/56

All: -114.967+/-39.475 χ^2/NDF: 170.7/106



Right In: 674.812+/-0.127 χ^2/NDF: 3306293.0/26

Left Out: 248.891+/-0.041 χ^2/NDF:1663717.9/24

Right Out: 737.242+/-0.133 χ^2/NDF: 3490669.1/31

Left In: 247.109+/-0.042 χ^2/NDF:1484445.1/22

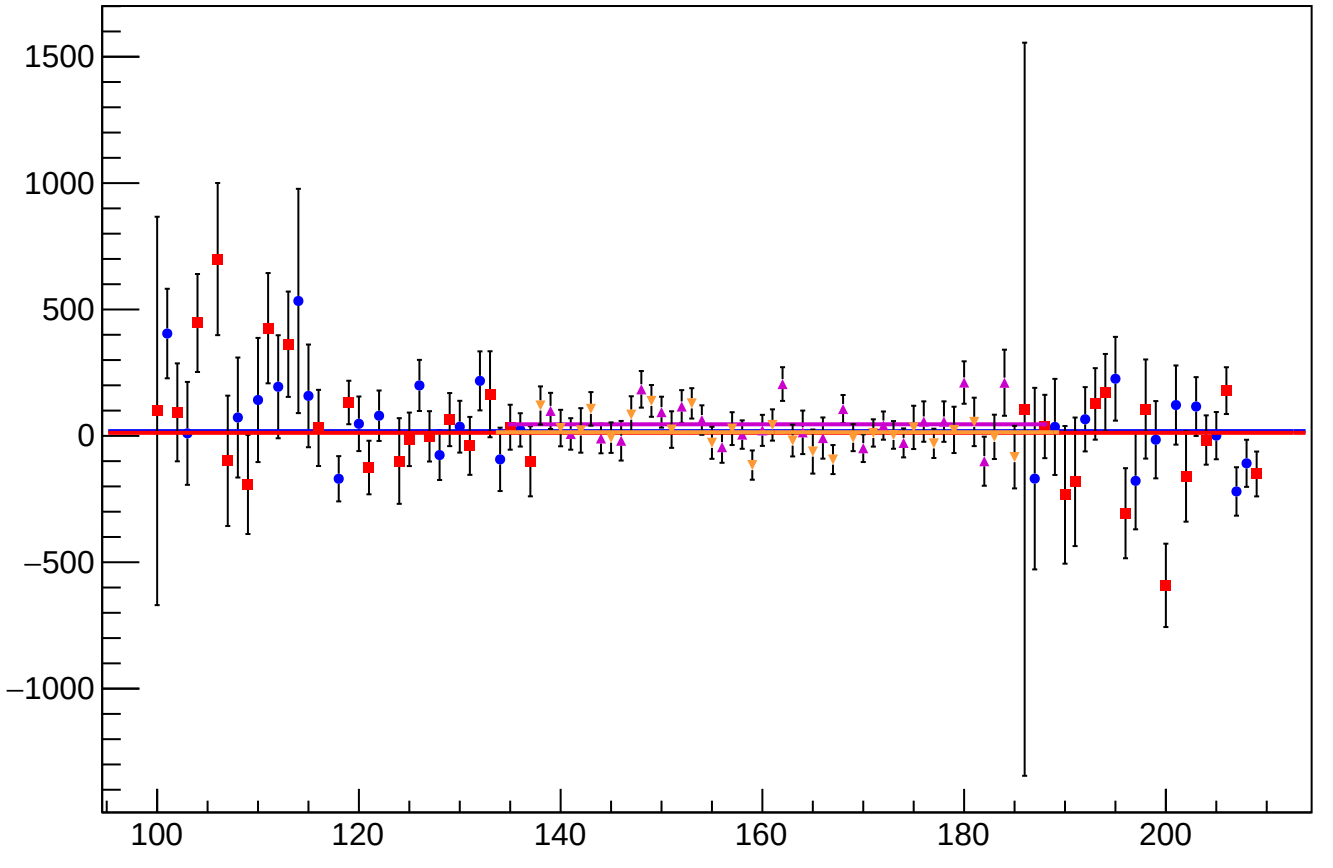
Left: 248.017+/-0.029 χ^2/NDF: 3149087.2/47

Right: 704.688+/-0.092 χ^2/NDF: 6911854.5/58

In: 288.727+/-0.040 χ^2/NDF:14962742.3/49

Out: 291.335+/-0.039 χ^2/NDF:17464546.2/56

All: 290.049+/-0.028 χ^2/NDF: 32429470.7/10



Right In: 18.757+/-23.737 χ^2/NDF: 32.7/26

Left Out: 14.498+/-13.454 χ^2/NDF:24.5/24

Right Out: 12.056+/-24.368 χ^2/NDF: 51.9/31

Left In: 45.806+/-13.931 χ^2/NDF:30.7/22

Left: 29.607+/-9.678 χ^2/NDF: 57.9/47

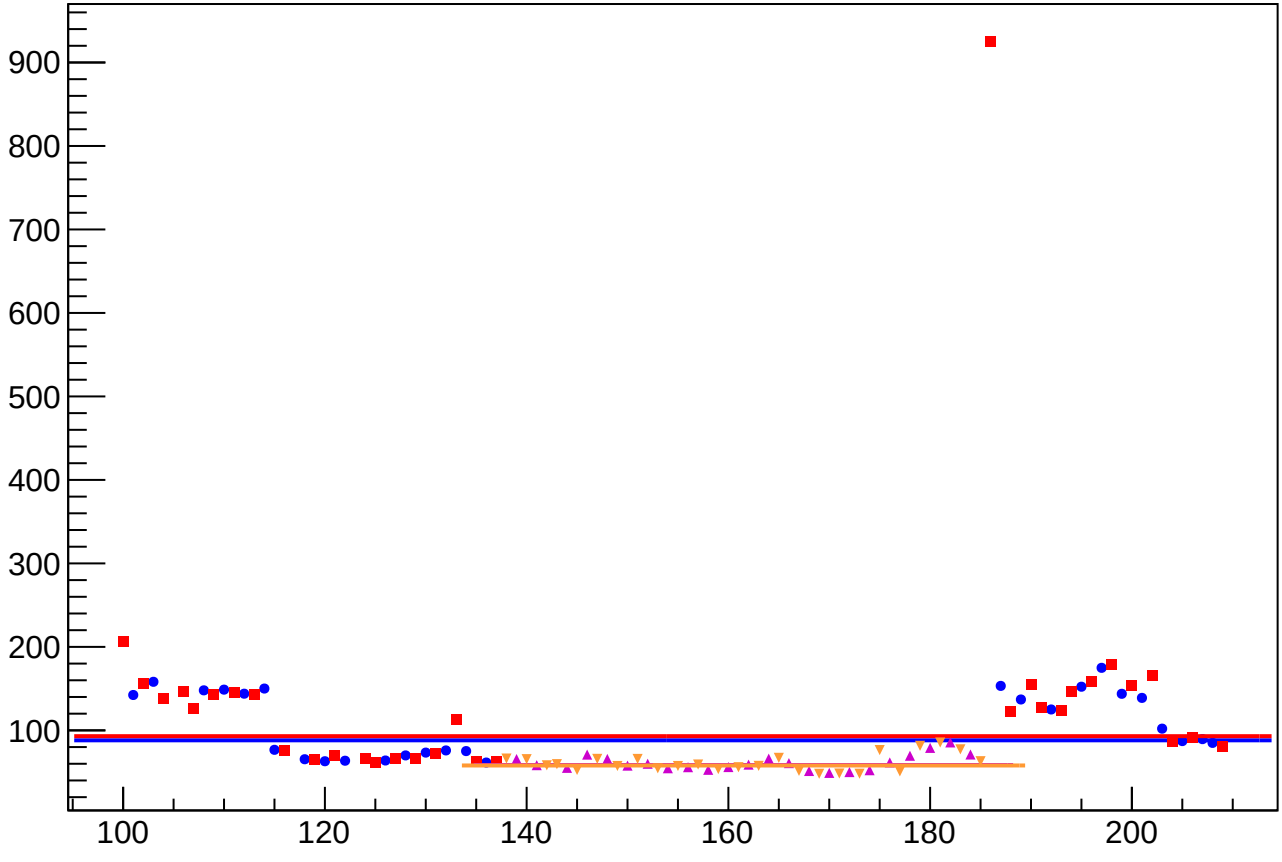
Right: 15.495+/-17.003 χ^2/NDF: 84.6/58

In: 38.876+/-12.015 χ^2/NDF:64.4/49

Out: 13.928+/-11.778 χ^2/NDF:76.4/56

All: 26.154+/-8.411 χ^2/NDF: 143.0/106

dit_asym_sam_1526_avg_rms vs Slug, Sign Corrected



Right In: 88.088+/-0.017 χ^2/NDF: 3402096.7/26

Left Out: 57.965+/-0.010 χ^2/NDF:896947.4/24

Right Out: 93.041+/-0.017 χ^2/NDF: 4601504.8/31

Left In: 58.479+/-0.010 χ^2/NDF:649919.9/22

Left: 58.213+/-0.007 χ^2/NDF: 1548274.7/47

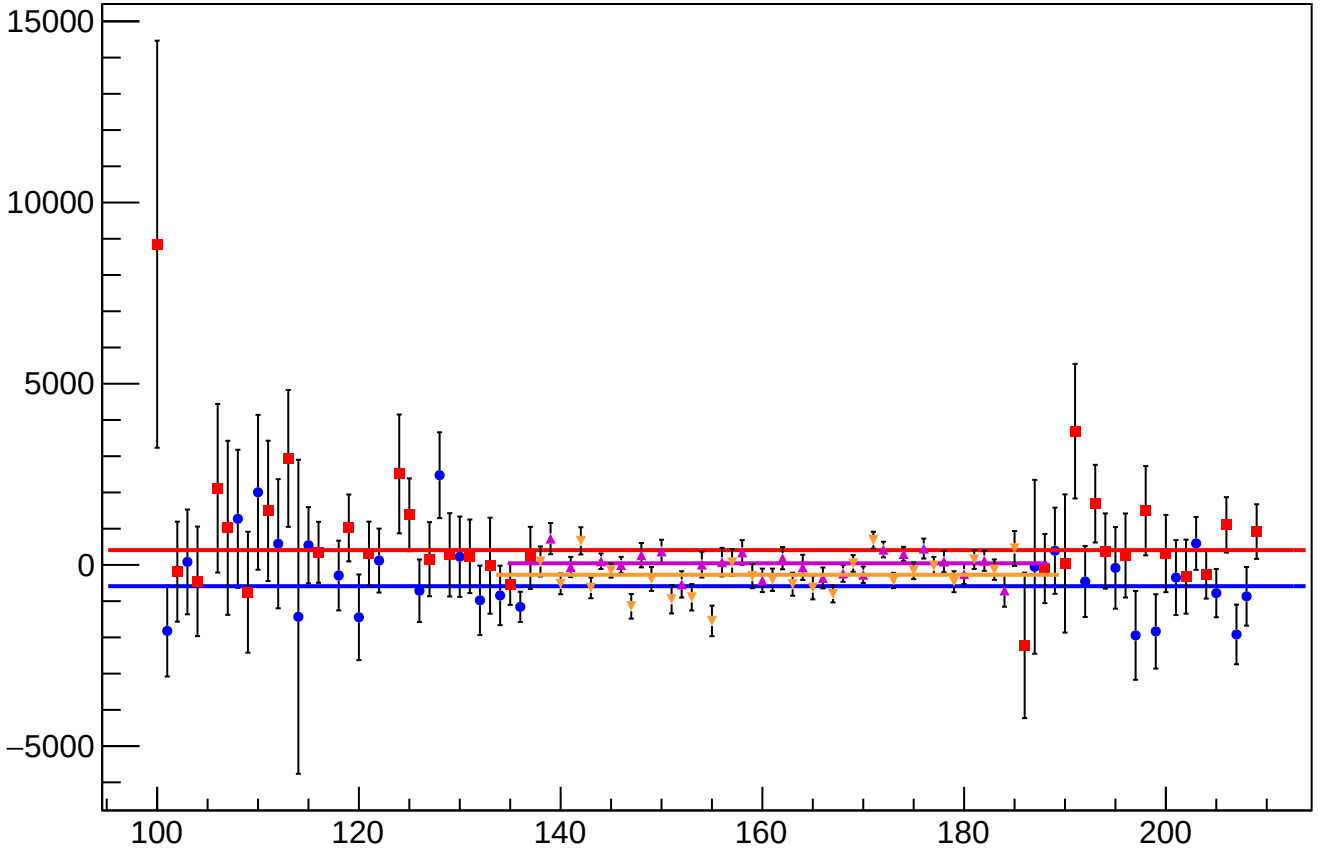
Right: 90.499+/-0.012 χ^2/NDF: 8045997.6/58

In: 66.065+/-0.008 χ^2/NDF:6366674.5/49

Out: 66.160+/-0.008 χ^2/NDF:8674053.6/56

All: 66.113+/-0.006 χ^2/NDF: 15040791.2/106

asym_sam_1526_avg_dit_correction_mean vs Slug, Sign Corrected



Right In: -586.941+/-183.910 χ^2/NDF: 25.0/26

Left Out: -272.513+/-57.274 χ^2/NDF:65.8/24

Right Out: 407.694+/-189.224 χ^2/NDF: 22.3/31

Left In: 44.553+/-58.614 χ^2/NDF:26.5/22

Left: -117.646+/-40.964 χ^2/NDF: 107.2/47

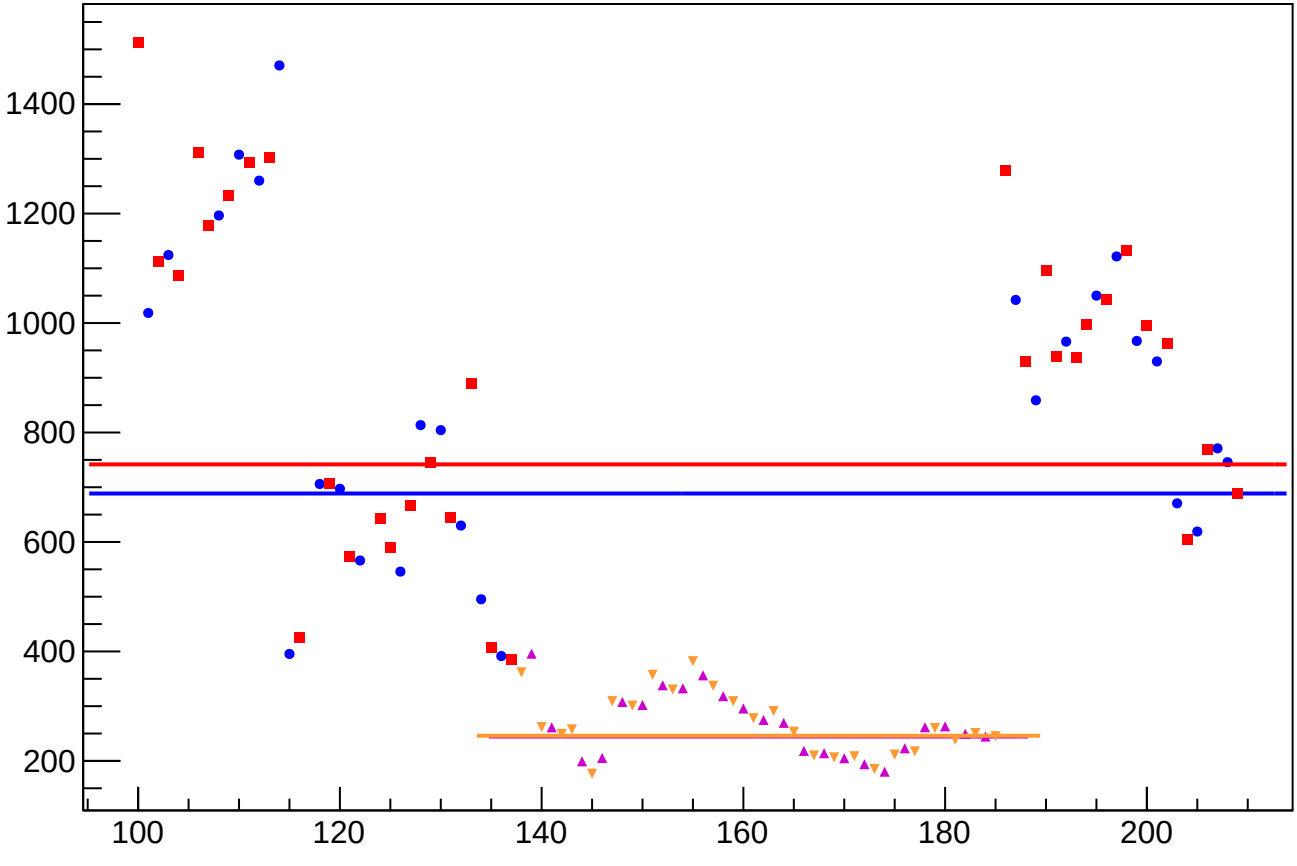
Right: -103.788+/-131.883 χ^2/NDF: 61.5/58

In: -13.678+/-55.846 χ^2/NDF:62.2/49

Out: -215.427+/-54.818 χ^2/NDF:99.9/56

All: -116.427+/-39.121 χ^2/NDF: 168.7/106

asym_sam_1526_avg_dit_correction_rms vs Slug, Sign Corrected



Right In: 688.554+/-0.130 χ^2/NDF: 3339668.4/26

Left Out: 246.017+/-0.040 χ^2/NDF:1680565.1/24

Right Out: 741.736+/-0.134 χ^2/NDF: 3625975.7/31

Left In: 244.450+/-0.041 χ^2/NDF:1596988.0/22

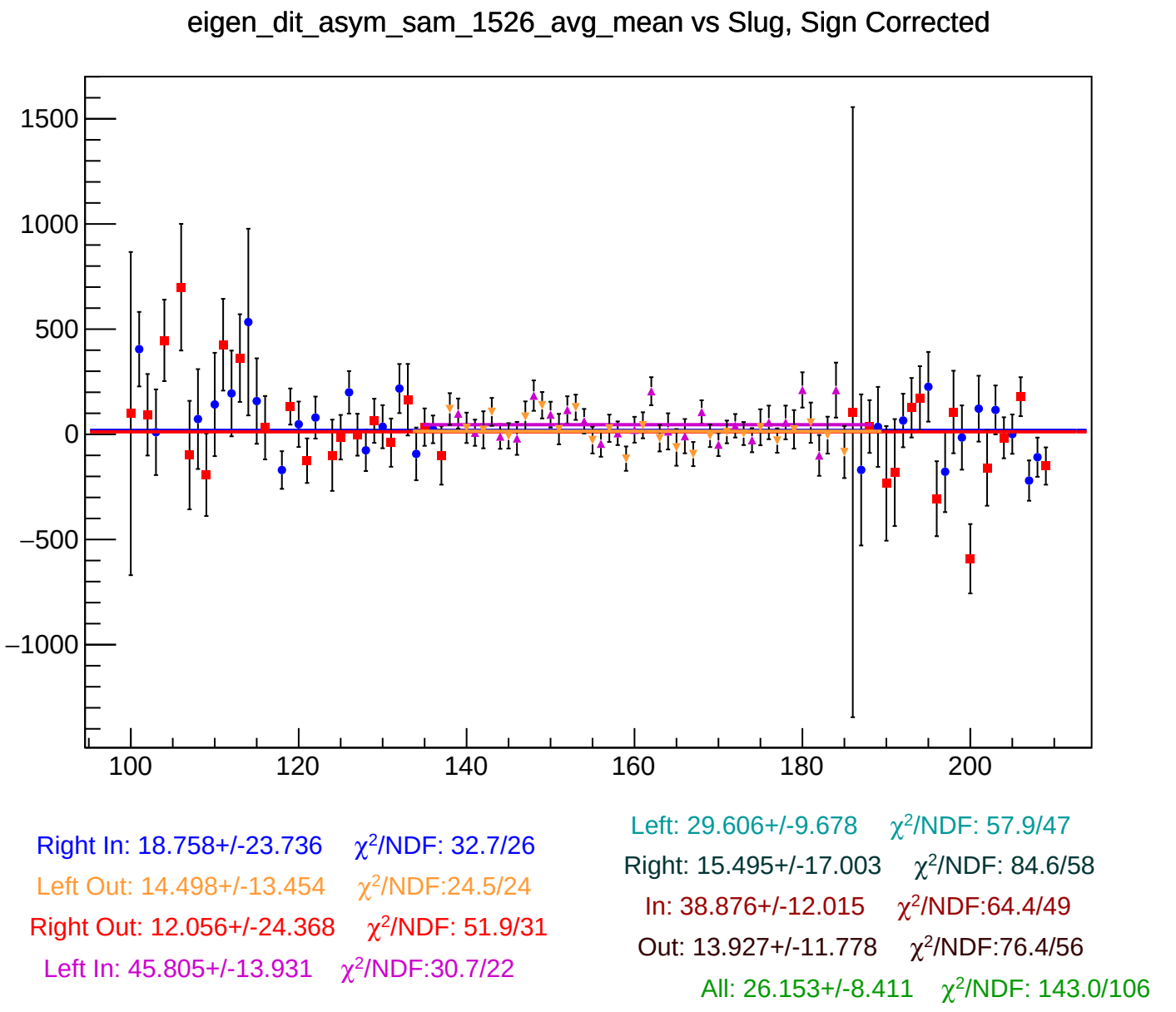
Left: 245.251+/-0.029 χ^2/NDF: 3278284.0/47

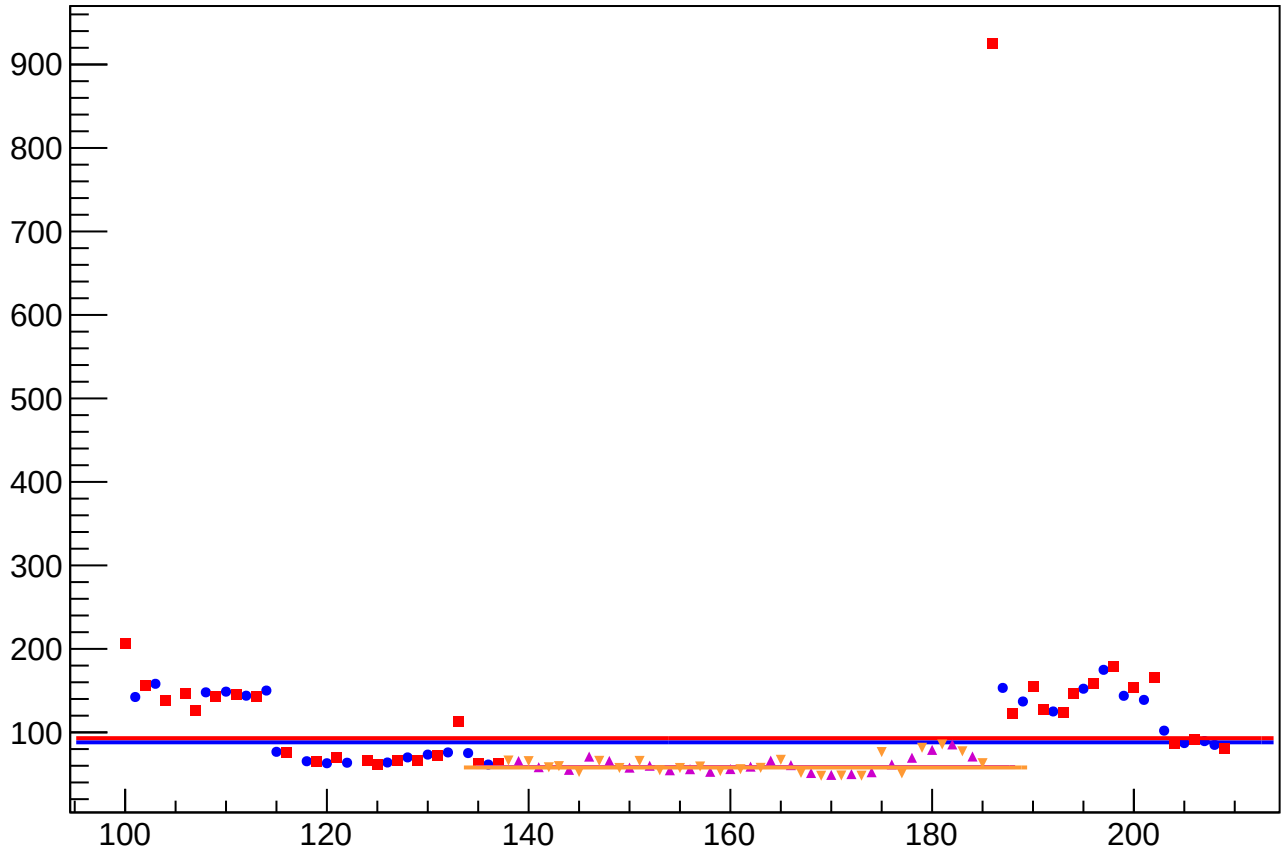
Right: 714.388+/-0.093 χ^2/NDF: 7046884.7/58

In: 285.401+/-0.039 χ^2/NDF:15523706.1/49

Out: 287.620+/-0.039 χ^2/NDF:17880676.9/56

All: 286.531+/-0.028 χ^2/NDF: 33405990.8/10


eigen_dit_asym_sam_1526_avg_mean vs Slug, Sign Corrected
1500
1000
500
0
−500
−1000
100
120
140
160
180
200
Right In: 18.758+/-23.736 χ²/NDF: 32.7/26
Left Out: 14.498+/-13.454 χ²/NDF:24.5/24
Right Out: 12.056+/-24.368 χ²/NDF: 51.9/31
Left In: 45.805+/-13.931 χ²/NDF:30.7/22
Left: 29.606+/-9.678 χ²/NDF: 57.9/47
Right: 15.495+/-17.003 χ²/NDF: 84.6/58
In: 38.876+/-12.015 χ²/NDF:64.4/49
Out: 13.927+/-11.778 χ²/NDF:76.4/56
All: 26.153+/-8.411 χ²/NDF: 143.0/106



Right In: 88.088+/-0.017 χ^2/NDF: 3402098.6/26

Left Out: 57.965+/-0.010 χ^2/NDF:896952.8/24

Right Out: 93.041+/-0.017 χ^2/NDF: 4601516.3/31

Left In: 58.479+/-0.010 χ^2/NDF:649911.4/22

Left: 58.213+/-0.007 χ^2/NDF: 1548272.0/47

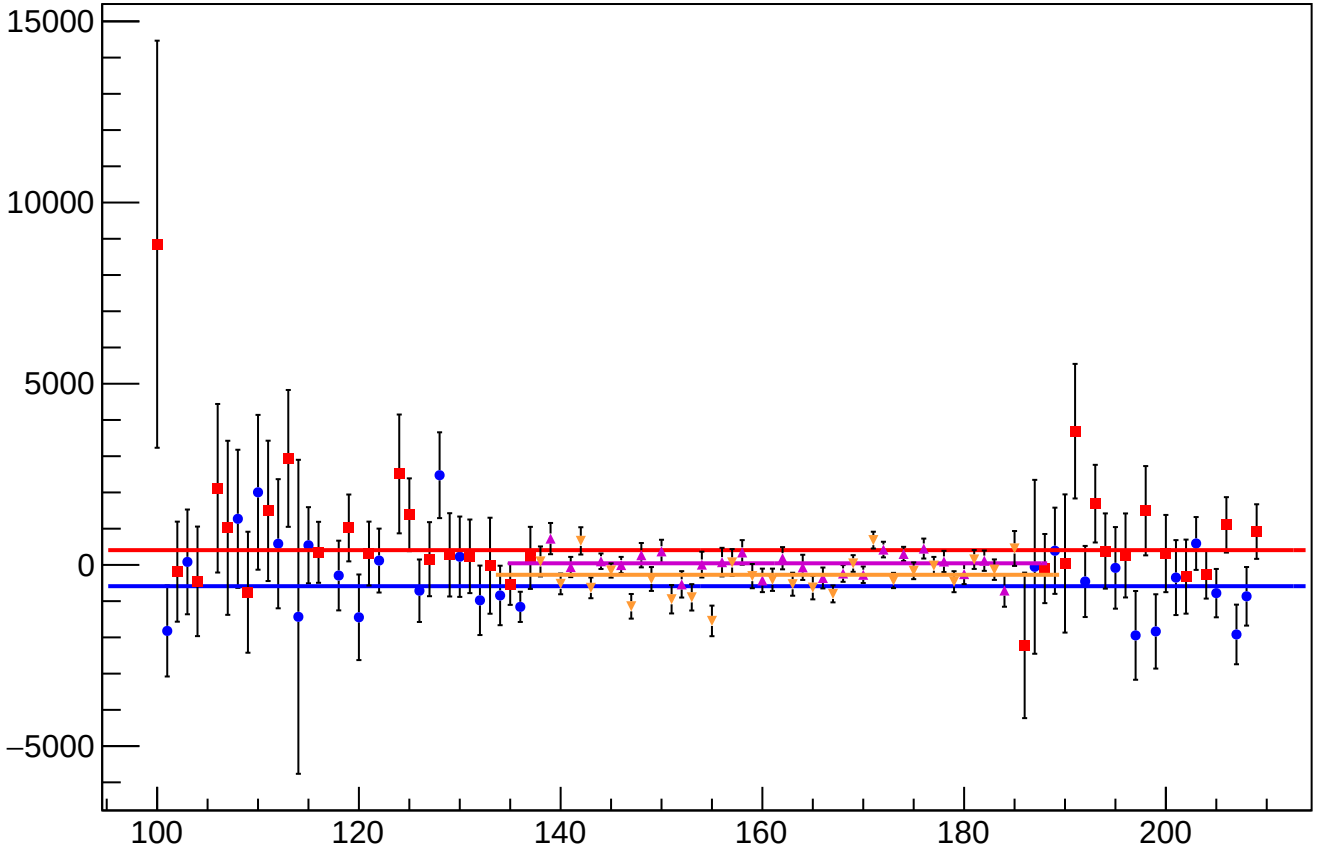
Right: 90.499+/-0.012 χ^2/NDF: 8046012.2/58

In: 66.065+/-0.008 χ^2/NDF:6366605.3/49

Out: 66.160+/-0.008 χ^2/NDF:8674021.6/56

All: 66.113+/-0.006 χ^2/NDF: 15040689.9/106

asym_sam_1526_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -586.940+/-183.910 χ^2/NDF: 25.0/26

Left Out: -272.512+/-57.274 χ^2/NDF:65.8/24

Right Out: 407.695+/-189.224 χ^2/NDF: 22.3/31

Left In: 44.552+/-58.614 χ^2/NDF:26.5/22

Left: -117.646+/-40.964 χ^2/NDF: 107.2/47

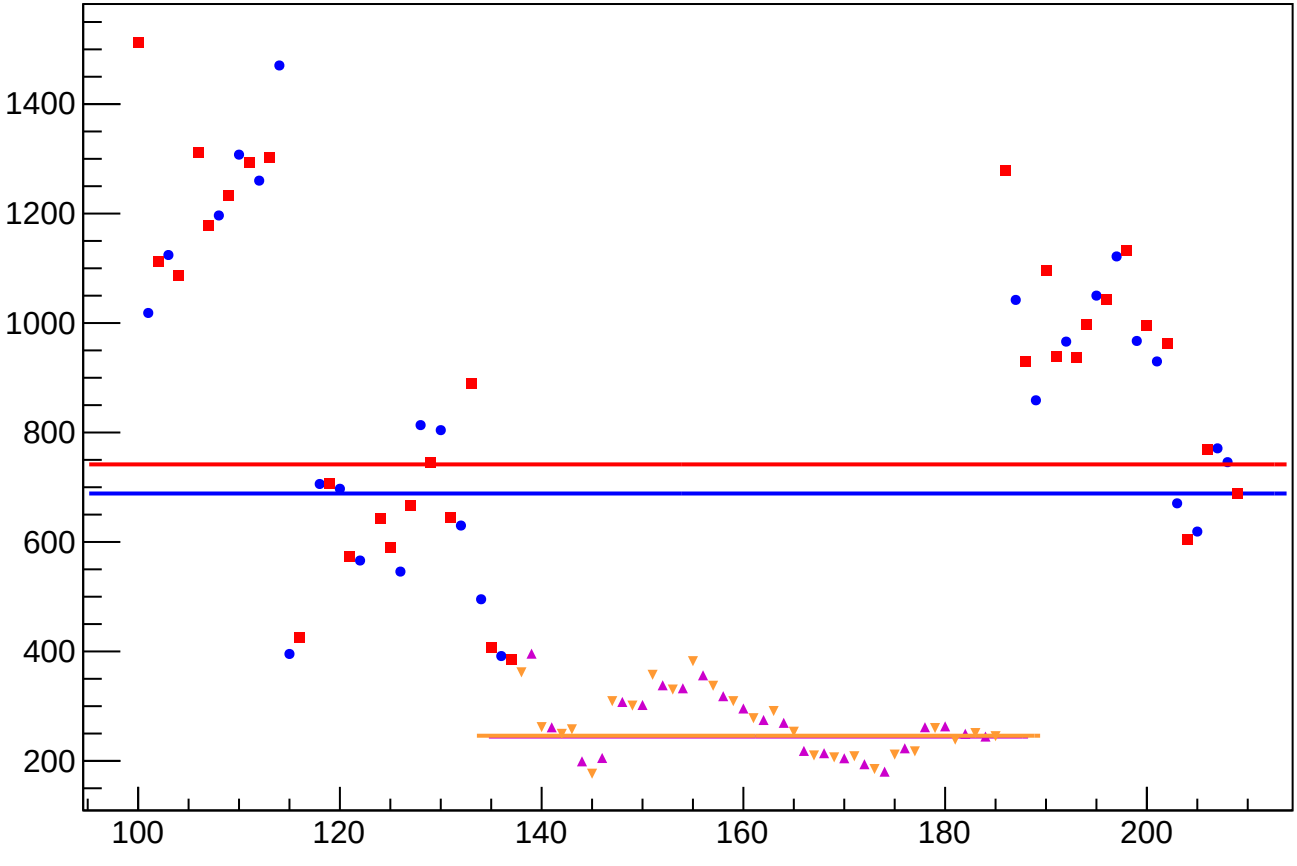
Right: -103.787+/-131.883 χ^2/NDF: 61.5/58

In: -13.678+/-55.846 χ^2/NDF:62.2/49

Out: -215.426+/-54.818 χ^2/NDF:99.9/56

All: -116.427+/-39.121 χ^2/NDF: 168.7/106

asym_sam_1526_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 688.554+/-0.130 χ^2/NDF: 3339651.6/26

Left Out: 246.016+/-0.040 χ^2/NDF:1680566.1/24

Right Out: 741.736+/-0.134 χ^2/NDF: 3625956.1/31

Left In: 244.450+/-0.041 χ^2/NDF:1596977.8/22

Left: 245.251+/-0.029 χ^2/NDF: 3278274.7/47

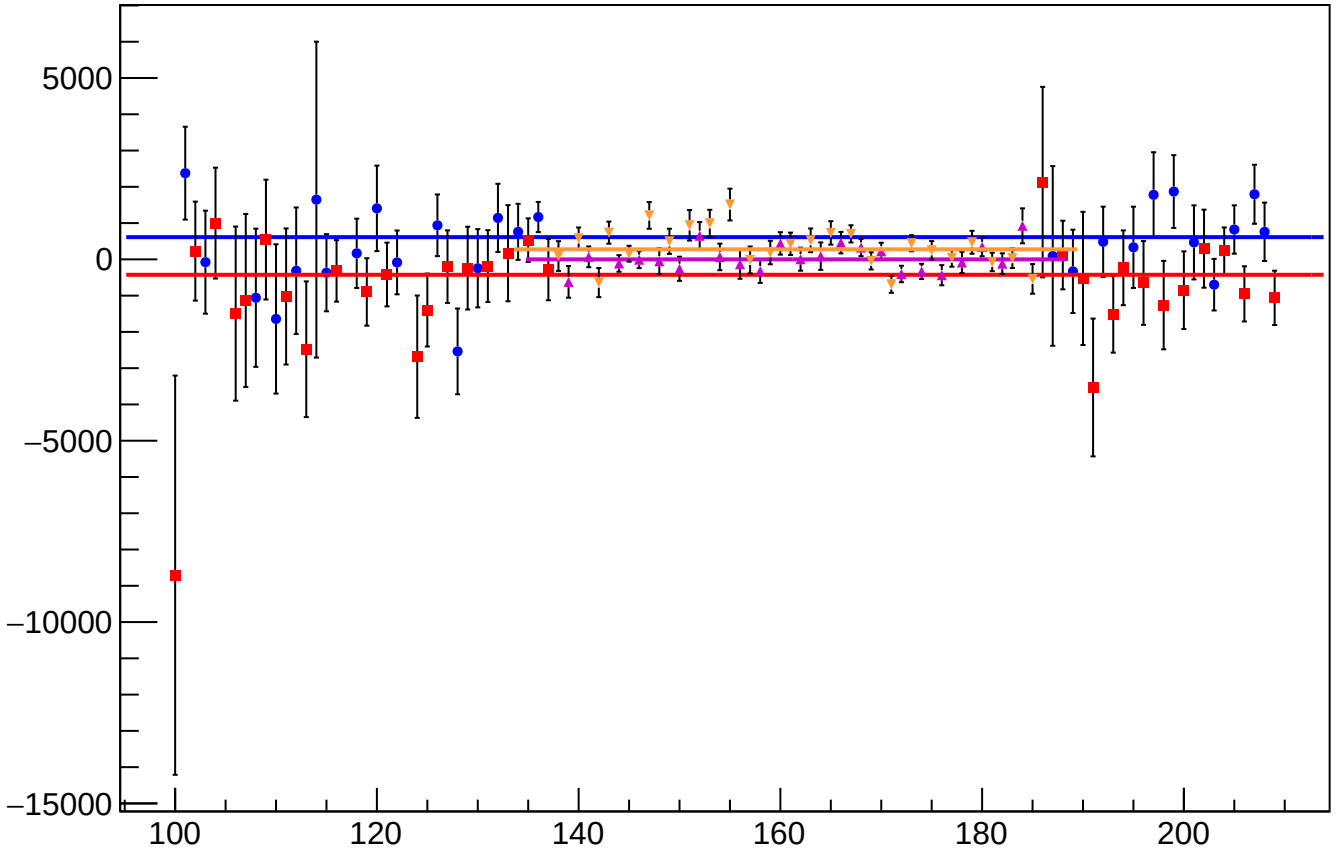
Right: 714.387+/-0.093 χ^2/NDF: 7046848.7/58

In: 285.401+/-0.039 χ^2/NDF:15523694.1/49

Out: 287.619+/-0.039 χ^2/NDF:17880688.2/56

All: 286.531+/-0.028 χ^2/NDF: 33405989.8/10

asym_sam_1526_avg_mean vs Slug, Sign Corrected



Right In: 612.591+/-181.805 χ^2/NDF: 25.6/26

Left Out: 277.077+/-59.149 χ^2/NDF:64.1/24

Right Out: -425.078+/-189.780 χ^2/NDF: 19.6/31

Left In: -0.556+/-60.356 χ^2/NDF:28.1/22

Left: 141.066+/-42.245 χ^2/NDF: 103.0/47

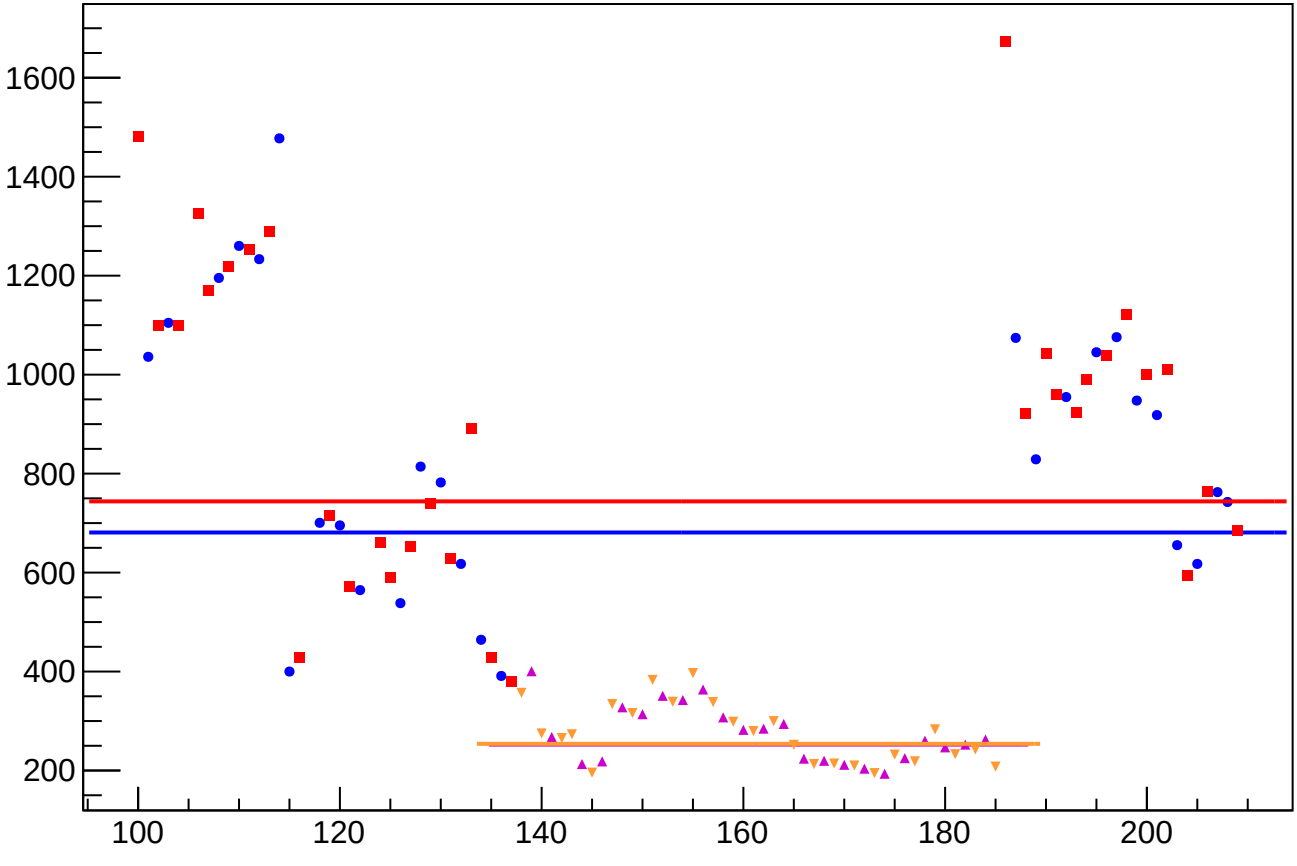
Right: 116.016+/-131.284 χ^2/NDF: 60.8/58

In: 60.312+/-57.282 χ^2/NDF:64.0/49

Out: 214.910+/-56.469 χ^2/NDF:96.2/56

All: 138.716+/-40.214 χ^2/NDF: 163.8/106

asym_sam_1526_avg_rms vs Slug, Sign Corrected



Right In: 681.020+/-0.129 χ^2/NDF: 3294835.1/26

Left Out: 253.953+/-0.042 χ^2/NDF:1590761.5/24

Right Out: 743.876+/-0.134 χ^2/NDF: 3593723.4/31

Left In: 252.390+/-0.043 χ^2/NDF:1412169.8/22

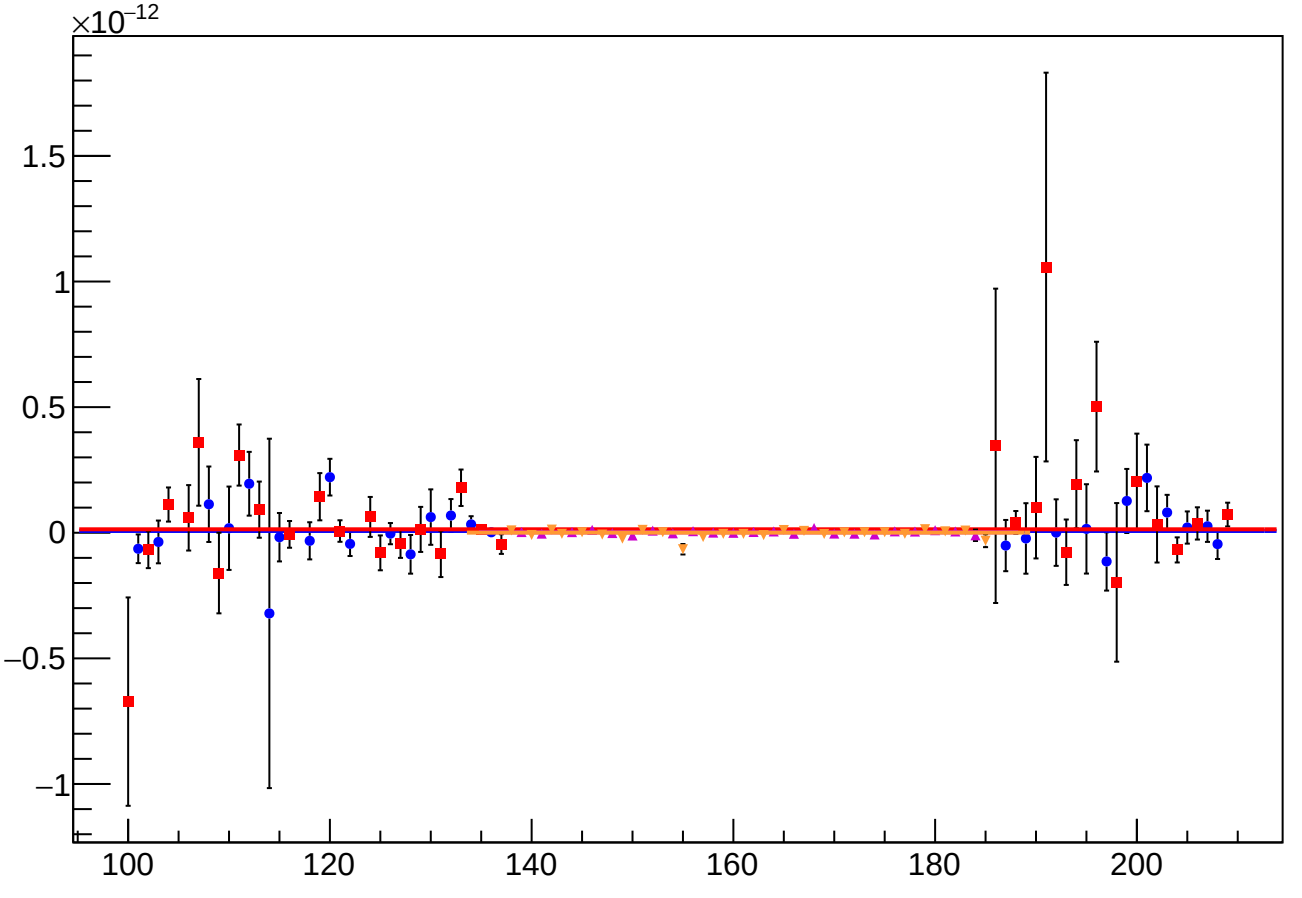
Left: 253.187+/-0.030 χ^2/NDF: 3003615.8/47

Right: 711.099+/-0.093 χ^2/NDF: 7002960.9/58

In: 294.941+/-0.041 χ^2/NDF:14720266.5/49

Out: 297.330+/-0.040 χ^2/NDF:17332994.0/56

All: 296.152+/-0.028 χ^2/NDF: 32055025.0/10



Right In: 0.000+/-0.000 χ^2/NDF: 25.2/26

Left Out: 0.000+/-0.000 χ^2/NDF:26.9/24

Right Out: 0.000+/-0.000 χ^2/NDF: 43.1/31

Left In: 0.000+/-0.000 χ^2/NDF:14.0/22

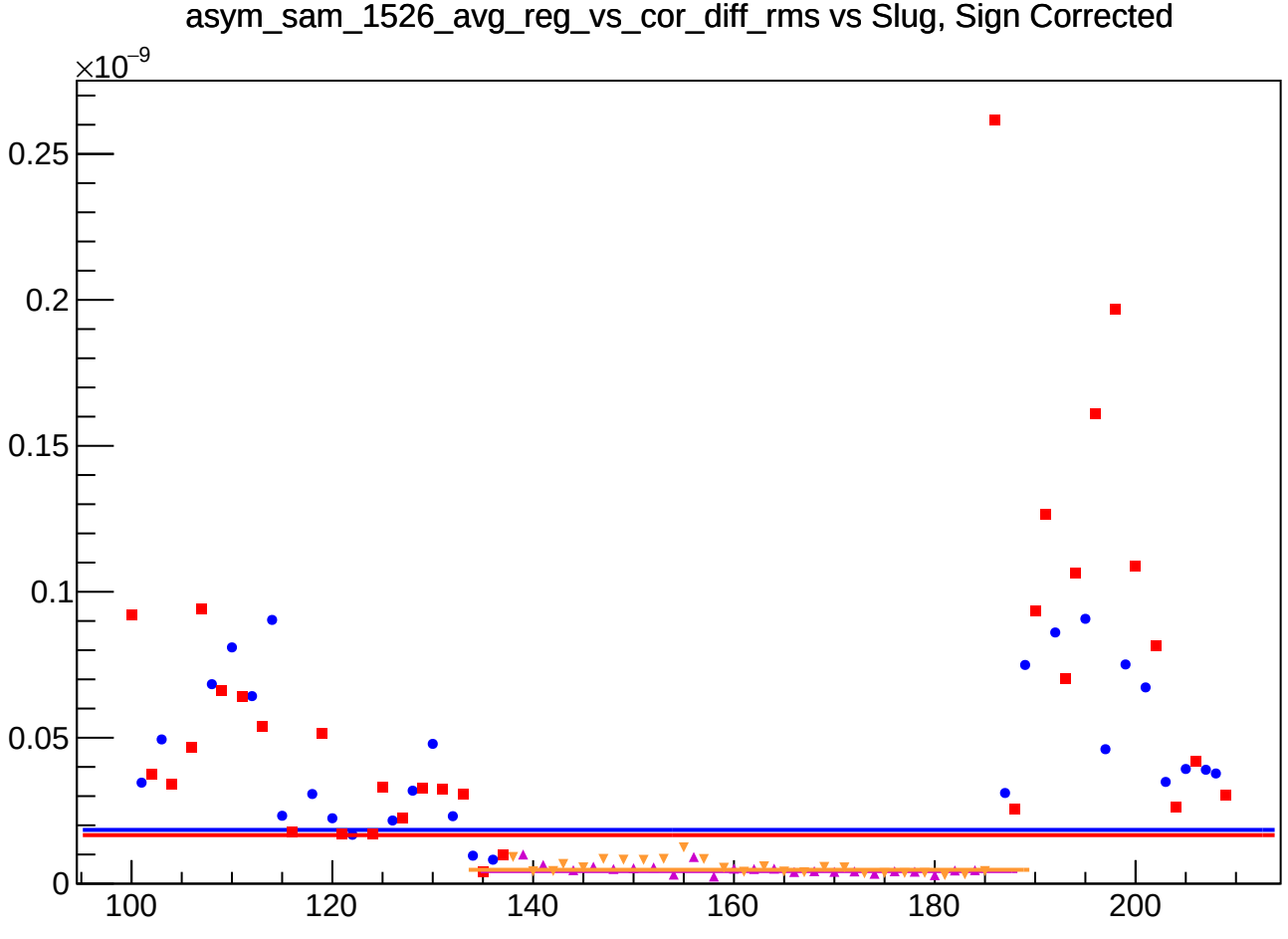
Left: 0.000+/-0.000 χ^2/NDF: 41.0/47

Right: 0.000+/-0.000 χ^2/NDF: 68.5/58

In: 0.000+/-0.000 χ^2/NDF:39.4/49

Out: 0.000+/-0.000 χ^2/NDF:71.9/56

All: 0.000+/-0.000 χ^2/NDF: 111.4/106



Right In: 0.000+/-0.000 χ^2/NDF: 5551678.0/26

Left Out: 0.000+/-0.000 χ^2/NDF:1613401.1/24

Right Out: 0.000+/-0.000 χ^2/NDF: 8046279.8/31

Left In: 0.000+/-0.000 χ^2/NDF:983290.8/22

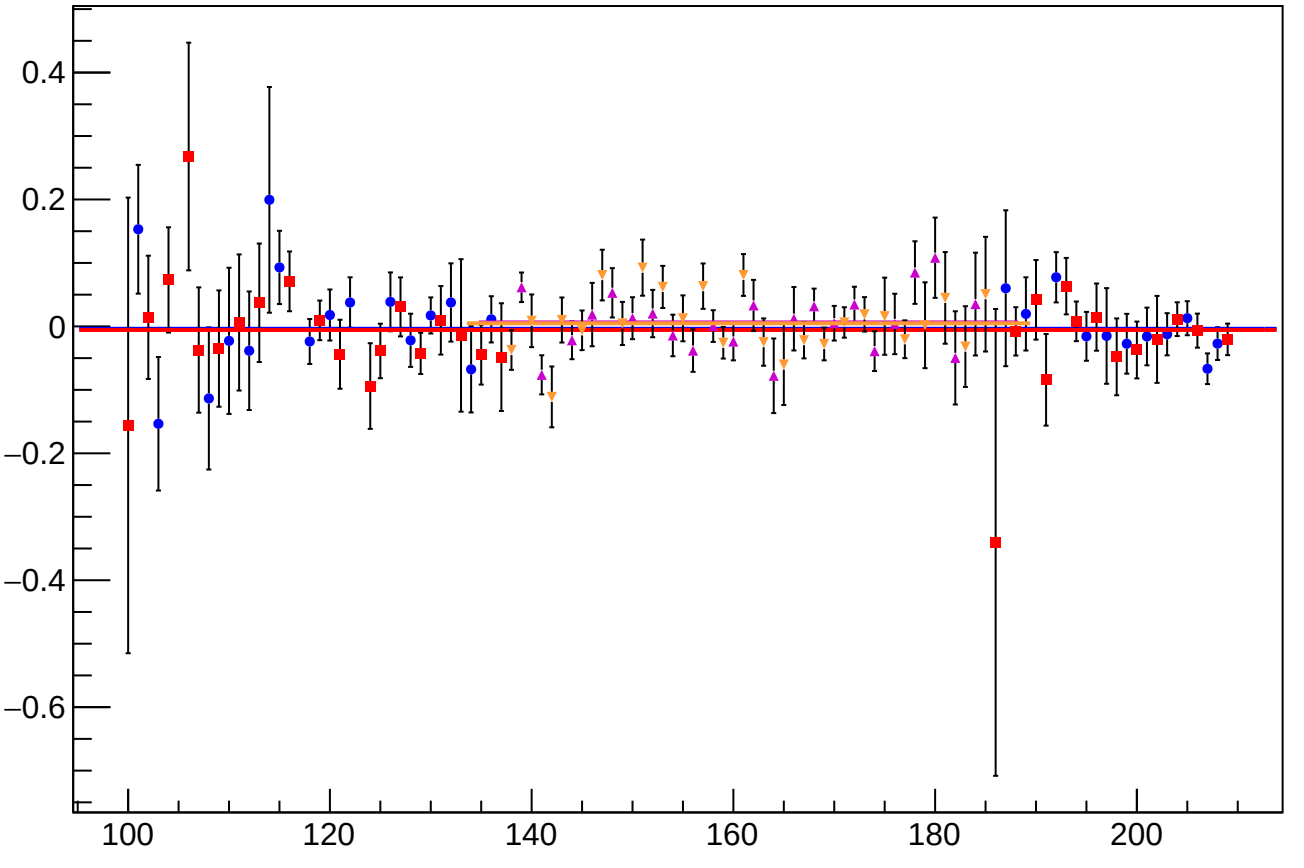
Left: 0.000+/-0.000 χ^2/NDF: 2651852.5/47

Right: 0.000+/-0.000 χ^2/NDF: 13632079.9/58

In: 0.000+/-0.000 χ^2/NDF:10548050.0/49

Out: 0.000+/-0.000 χ^2/NDF:12586215.8/56

All: 0.000+/-0.000 χ^2/NDF: 23180095.1/106



Right In: -0.004+/-0.008 χ^2/NDF: 27.5/26

Left Out: 0.005+/-0.007 χ^2/NDF:34.0/24

Right Out: -0.006+/-0.008 χ^2/NDF: 19.6/31

Left In: 0.006+/-0.007 χ^2/NDF:31.0/22

Left: 0.006+/-0.005 χ^2/NDF: 65.0/47

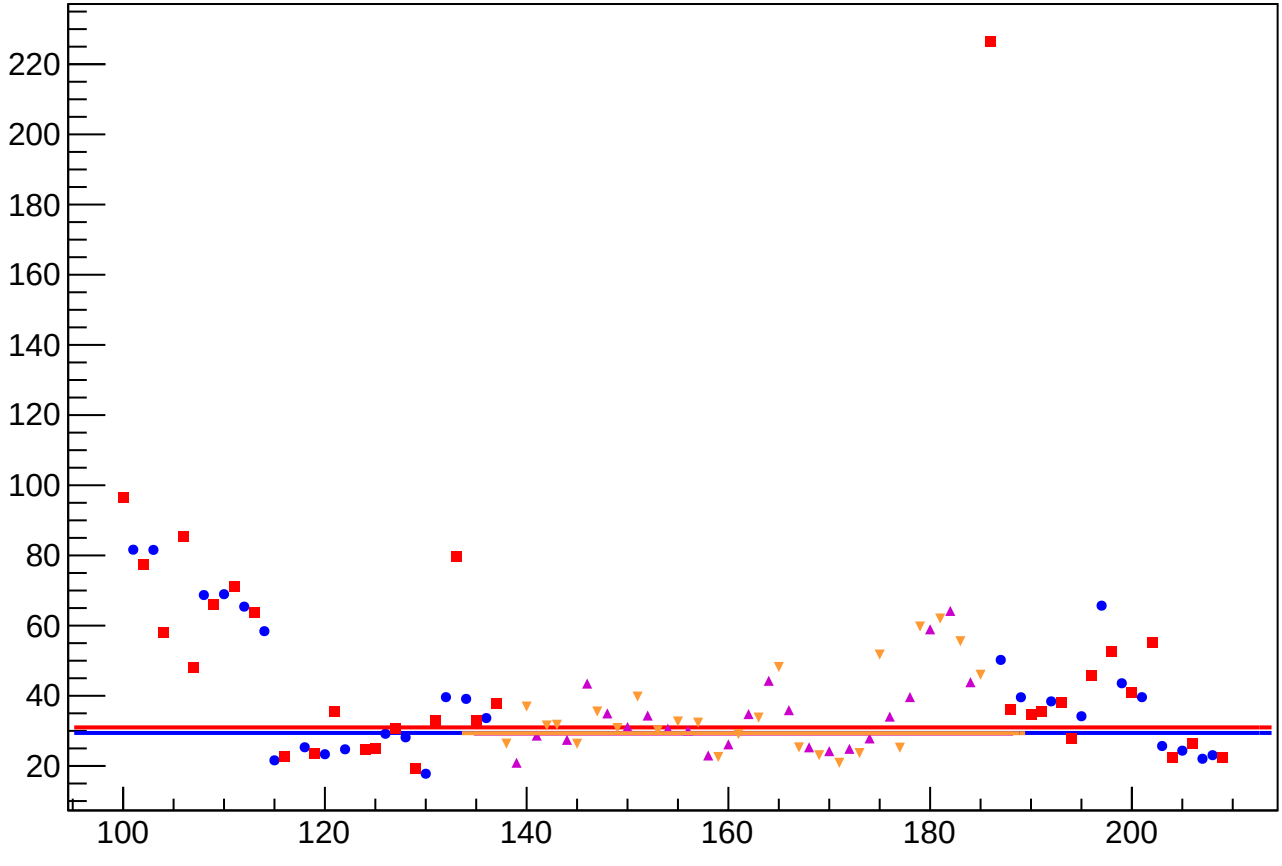
Right: -0.005+/-0.006 χ^2/NDF: 47.2/58

In: 0.002+/-0.005 χ^2/NDF:59.3/49

Out: 0.001+/-0.005 χ^2/NDF:54.5/56

All: 0.001+/-0.004 χ^2/NDF: 113.9/106

asym_sam_1526_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 29.411+/-0.006 χ^2/NDF: 3849088.5/26

Left Out: 29.338+/-0.005 χ^2/NDF:2687159.2/24

Right Out: 30.992+/-0.006 χ^2/NDF: 4614745.9/31

Left In: 29.226+/-0.005 χ^2/NDF:2097657.8/22

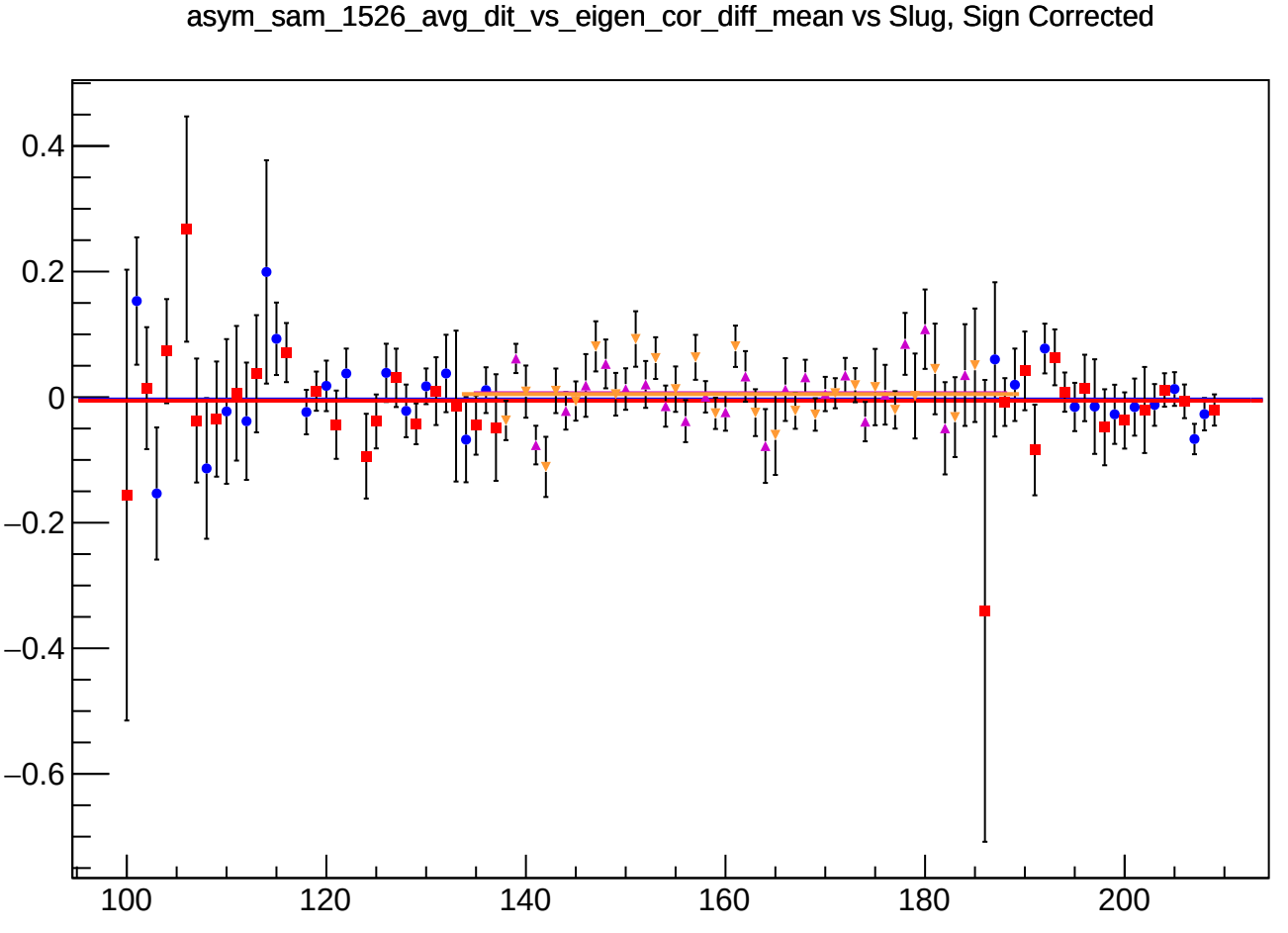
Left: 29.283+/-0.004 χ^2/NDF: 4785056.4/47

Right: 30.188+/-0.004 χ^2/NDF: 8499785.5/58

In: 29.307+/-0.004 χ^2/NDF:5947311.9/49

Out: 30.027+/-0.004 χ^2/NDF:7347085.1/56

All: 29.669+/-0.003 χ^2/NDF: 13311900.6/106



Right In: -0.004+/-0.008 χ^2/NDF: 27.5/26

Left Out: 0.005+/-0.007 χ^2/NDF:34.0/24

Right Out: -0.006+/-0.008 χ^2/NDF: 19.6/31

Left In: 0.006+/-0.007 χ^2/NDF:31.0/22

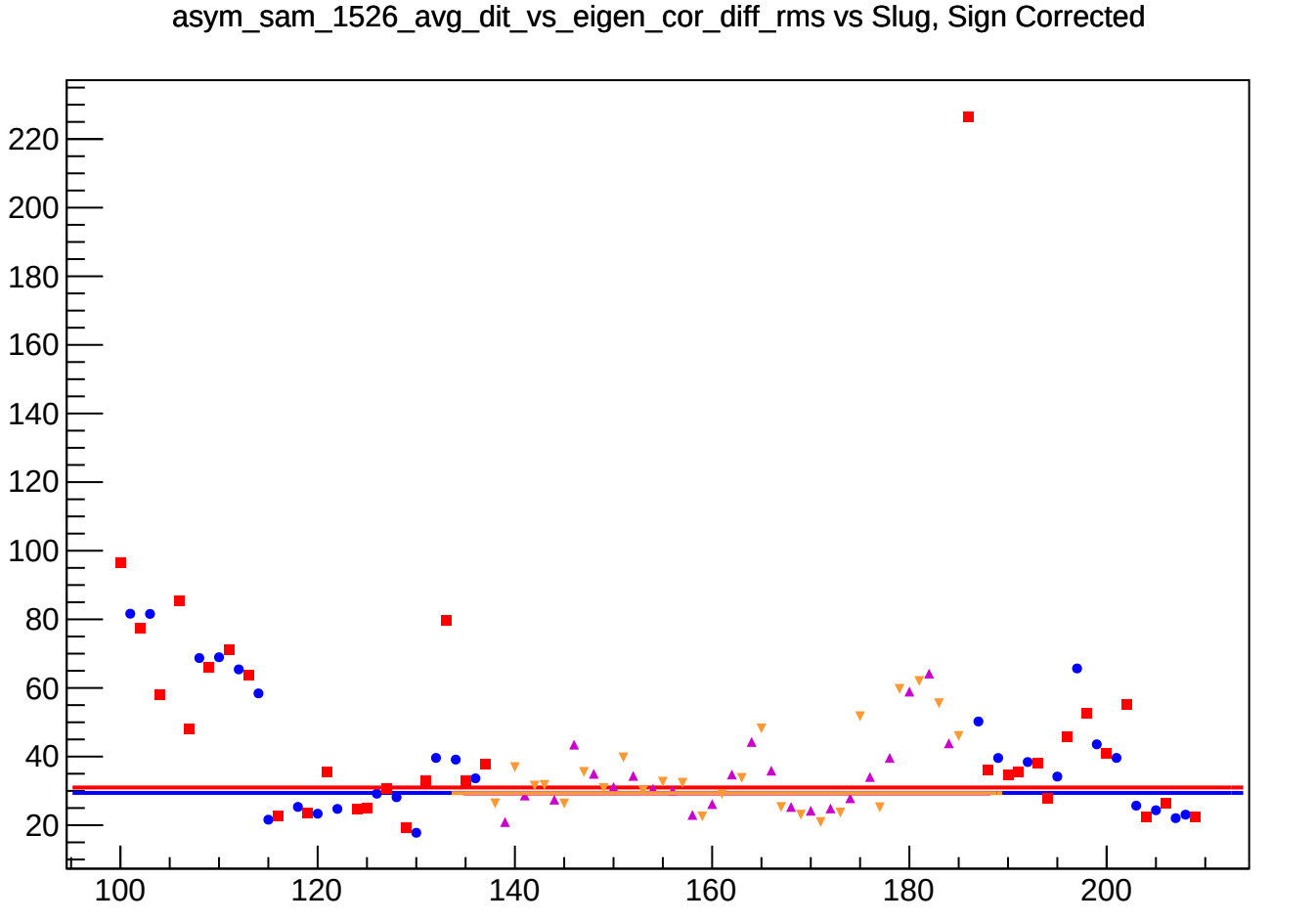
Left: 0.006+/-0.005 χ^2/NDF: 65.0/47

Right: -0.005+/-0.006 χ^2/NDF: 47.2/58

In: 0.002+/-0.005 χ^2/NDF:59.3/49

Out: 0.001+/-0.005 χ^2/NDF:54.5/56

All: 0.001+/-0.004 χ^2/NDF: 113.9/106



Right In: 29.411+/-0.006 χ^2/NDF: 3849088.5/26

Left Out: 29.338+/-0.005 χ^2/NDF:2687159.2/24

Right Out: 30.992+/-0.006 χ^2/NDF: 4614745.9/31

Left In: 29.226+/-0.005 χ^2/NDF:2097657.8/22

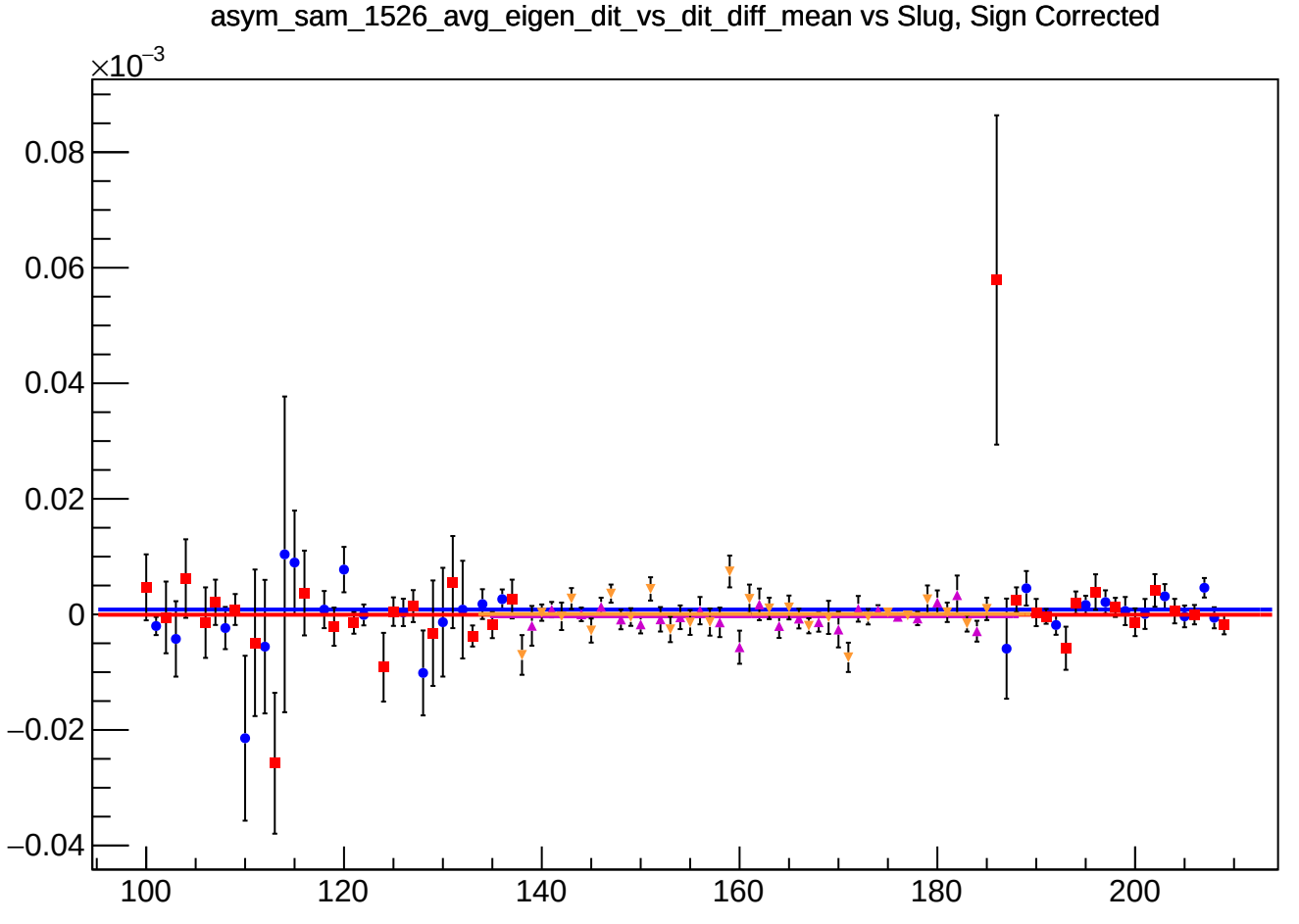
Left: 29.283+/-0.004 χ^2/NDF: 4785056.4/47

Right: 30.188+/-0.004 χ^2/NDF: 8499785.5/58

In: 29.307+/-0.004 χ^2/NDF:5947311.9/49

Out: 30.027+/-0.004 χ^2/NDF:7347085.1/56

All: 29.669+/-0.003 χ^2/NDF: 13311900.6/106



Right In: 0.000+/-0.000 χ^2/NDF: 27.8/26

Left Out: 0.000+/-0.000 χ^2/NDF:43.7/24

Right Out: -0.000+/-0.000 χ^2/NDF: 31.6/31

Left In: -0.000+/-0.000 χ^2/NDF:15.5/22

Left: -0.000+/-0.000 χ^2/NDF: 60.1/47

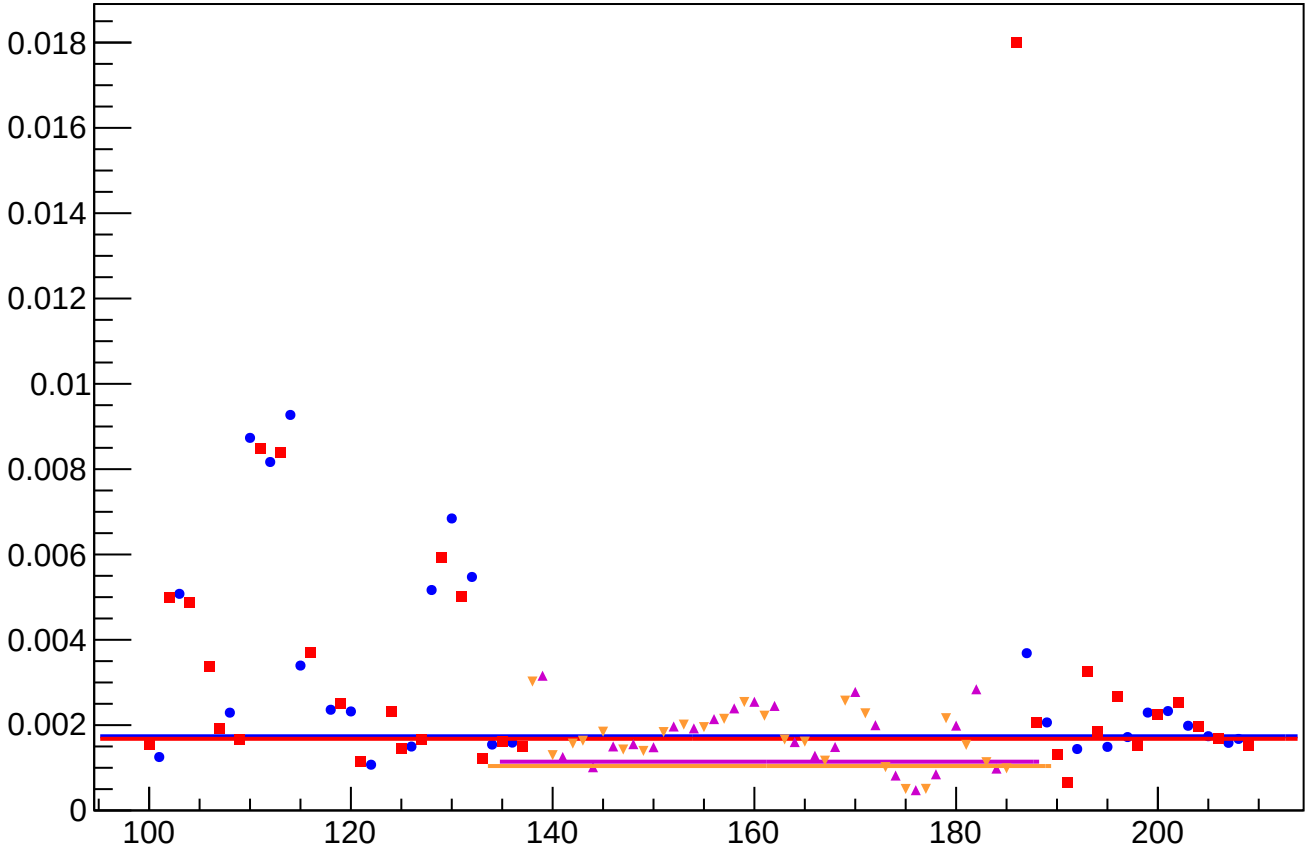
Right: 0.000+/-0.000 χ^2/NDF: 61.3/58

In: 0.000+/-0.000 χ^2/NDF:47.3/49

Out: 0.000+/-0.000 χ^2/NDF:75.4/56

All: 0.000+/-0.000 χ^2/NDF: 122.7/106

asym_sam_1526_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.002+/-0.000 χ^2/NDF: 4422062.4/26

Left Out: 0.001+/-0.000 χ^2/NDF:9825407.0/24

Right Out: 0.002+/-0.000 χ^2/NDF: 6789557.9/31

Left In: 0.001+/-0.000 χ^2/NDF:8291862.8/22

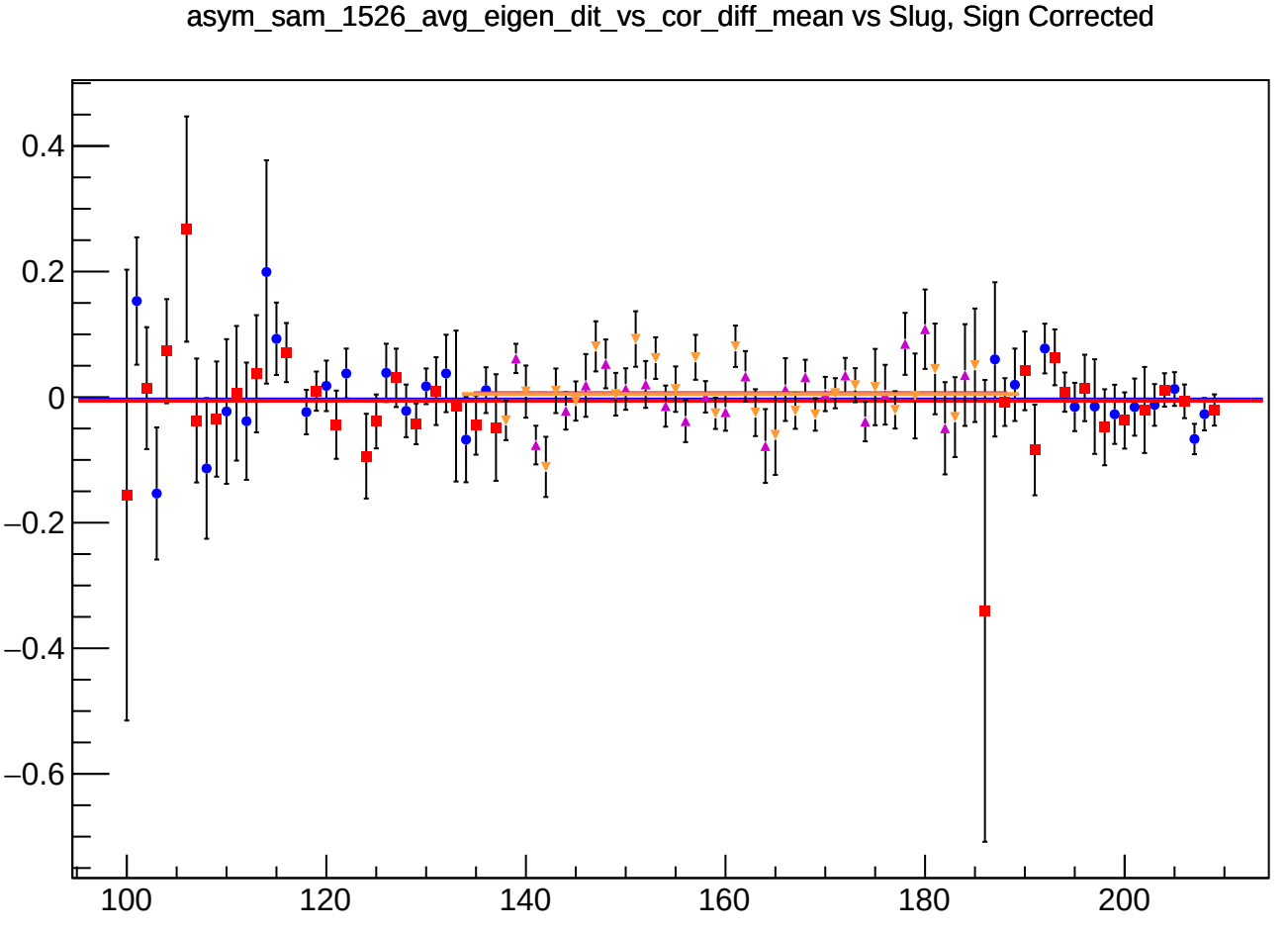
Left: 0.001+/-0.000 χ^2/NDF: 18236927.4/47

Right: 0.002+/-0.000 χ^2/NDF: 11227338.1/58

In: 0.001+/-0.000 χ^2/NDF:14867647.2/49

Out: 0.001+/-0.000 χ^2/NDF:19426089.6/56

All: 0.001+/-0.000 χ^2/NDF: 34471379.1/106



Right In: -0.004+/-0.008 χ^2/NDF: 27.5/26

Left Out: 0.005+/-0.007 χ^2/NDF:34.0/24

Right Out: -0.006+/-0.008 χ^2/NDF: 19.6/31

Left In: 0.006+/-0.007 χ^2/NDF:31.0/22

Left: 0.006+/-0.005 χ^2/NDF: 65.0/47

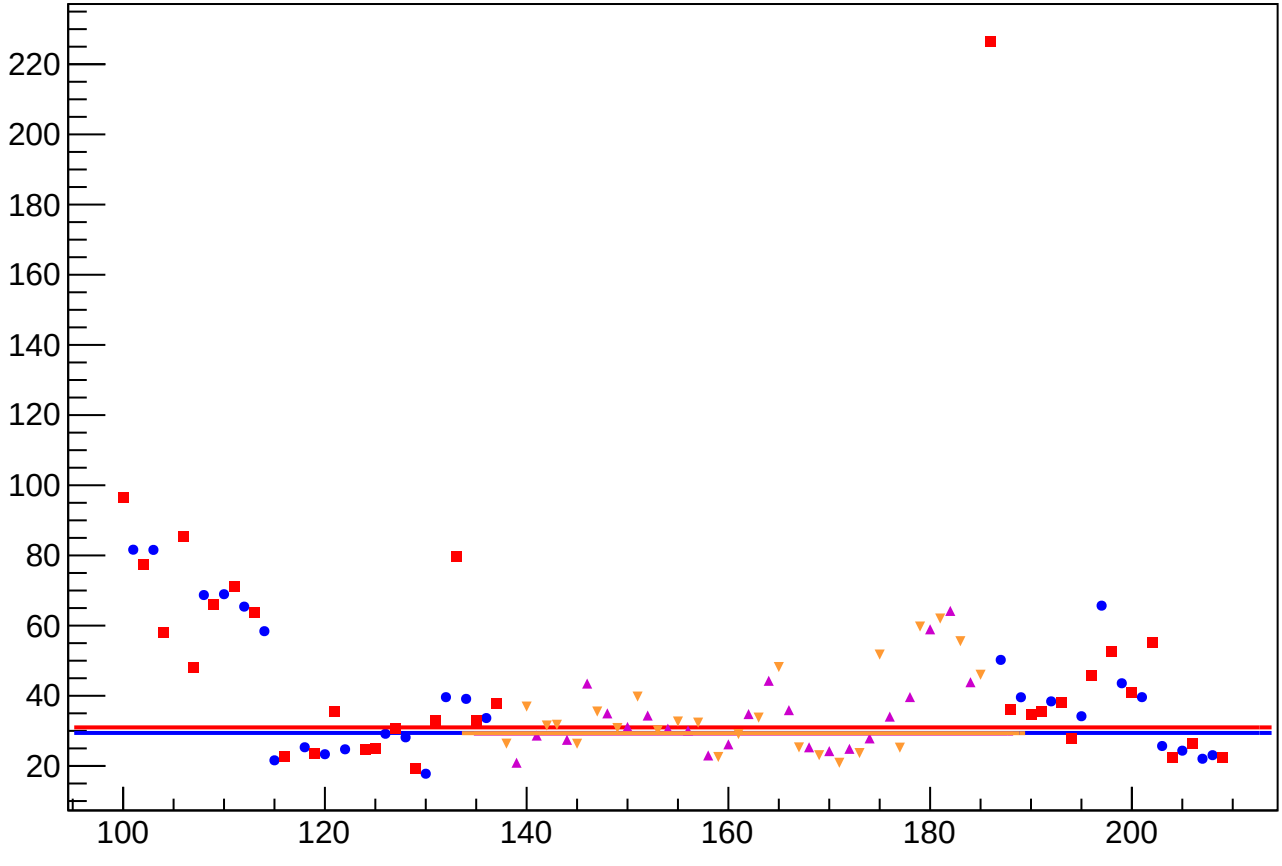
Right: -0.005+/-0.006 χ^2/NDF: 47.2/58

In: 0.002+/-0.005 χ^2/NDF:59.3/49

Out: 0.001+/-0.005 χ^2/NDF:54.5/56

All: 0.001+/-0.004 χ^2/NDF: 113.9/106

asym_sam_1526_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 29.411+/-0.006 χ^2/NDF: 3849322.5/26

Left Out: 29.338+/-0.005 χ^2/NDF:2687200.3/24

Right Out: 30.992+/-0.006 χ^2/NDF: 4614865.2/31

Left In: 29.227+/-0.005 χ^2/NDF:2097621.4/22

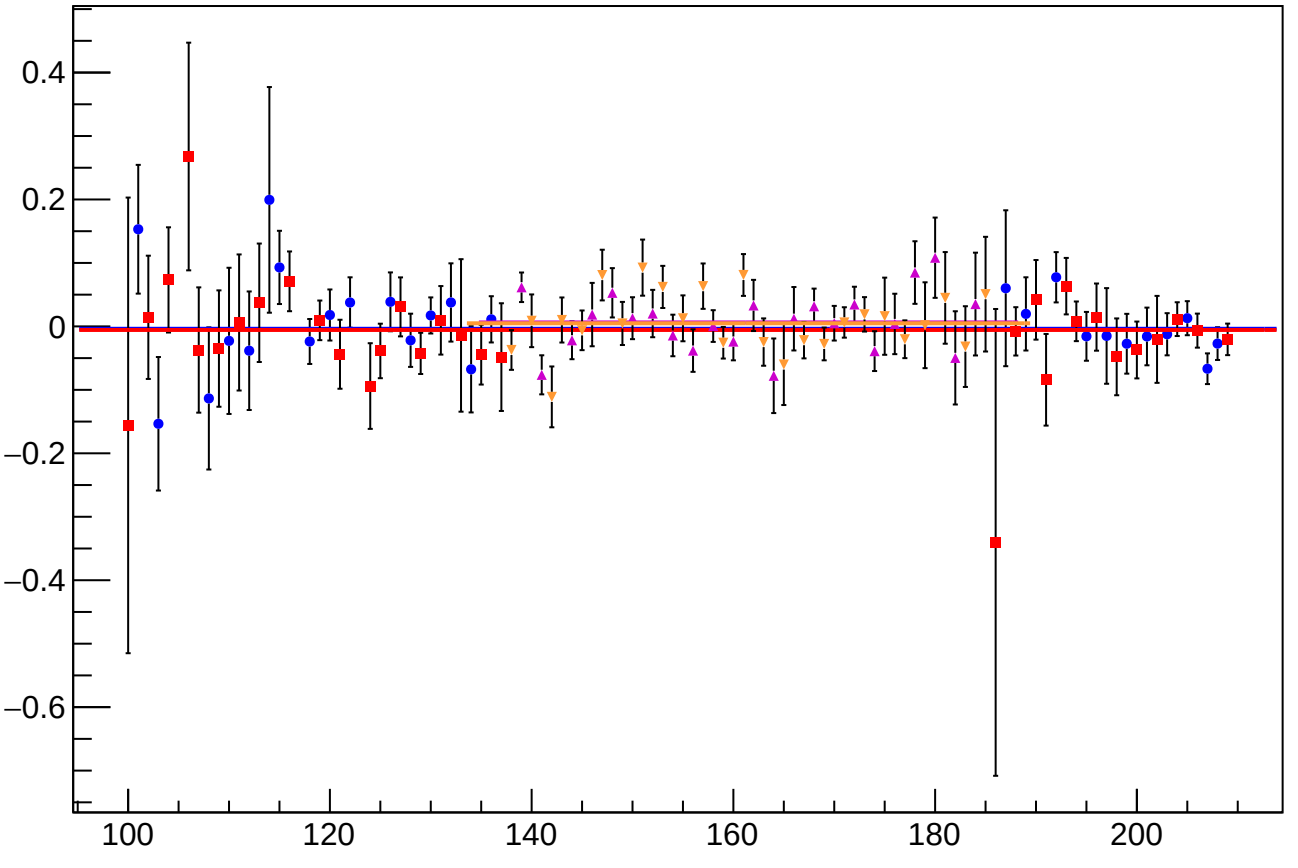
Left: 29.283+/-0.004 χ^2/NDF: 4785060.1/47

Right: 30.188+/-0.004 χ^2/NDF: 8500152.9/58

In: 29.307+/-0.004 χ^2/NDF:5947503.2/49

Out: 30.027+/-0.004 χ^2/NDF:7347216.6/56

All: 29.669+/-0.003 χ^2/NDF: 13312224.5/106



Right In: -0.004+/-0.008 χ^2/NDF: 27.5/26

Left Out: 0.005+/-0.007 χ^2/NDF:34.0/24

Right Out: -0.006+/-0.008 χ^2/NDF: 19.6/31

Left In: 0.006+/-0.007 χ^2/NDF:31.0/22

Left: 0.006+/-0.005 χ^2/NDF: 65.0/47

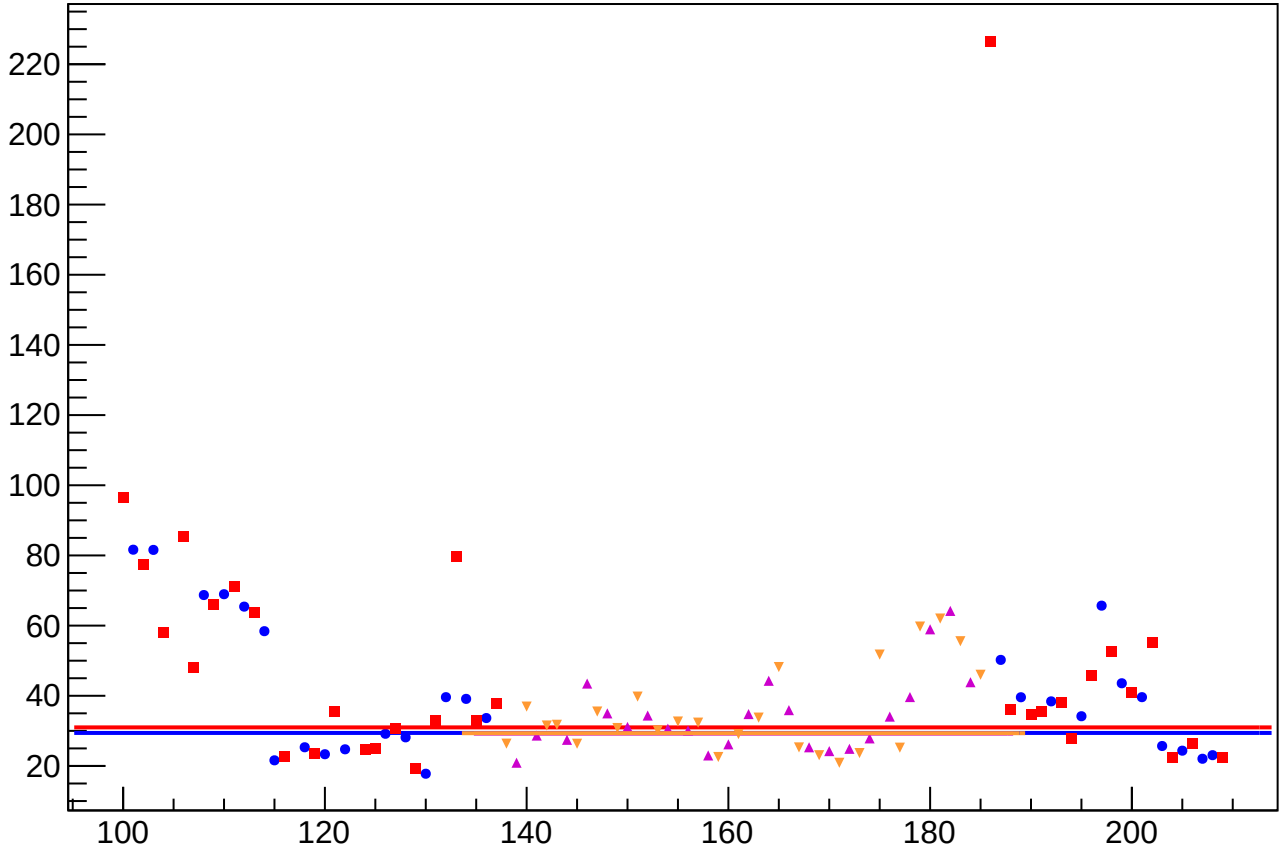
Right: -0.005+/-0.006 χ^2/NDF: 47.2/58

In: 0.002+/-0.005 χ^2/NDF:59.3/49

Out: 0.001+/-0.005 χ^2/NDF:54.5/56

All: 0.001+/-0.004 χ^2/NDF: 113.9/106

asym_sam_1526_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 29.411+/-0.006 χ^2/NDF: 3849322.5/26

Left Out: 29.338+/-0.005 χ^2/NDF:2687200.3/24

Right Out: 30.992+/-0.006 χ^2/NDF: 4614865.2/31

Left In: 29.227+/-0.005 χ^2/NDF:2097621.4/22

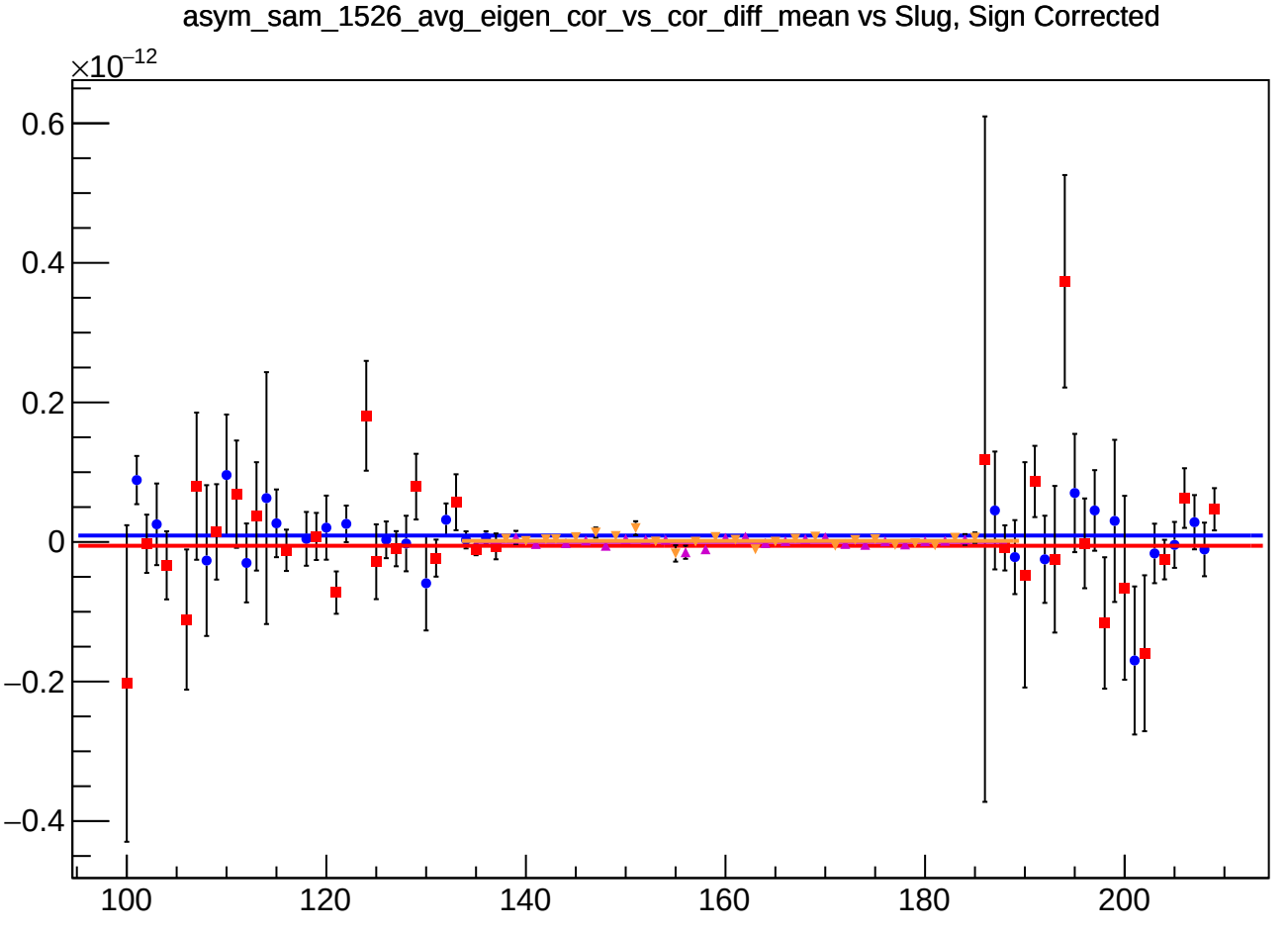
Left: 29.283+/-0.004 χ^2/NDF: 4785060.1/47

Right: 30.188+/-0.004 χ^2/NDF: 8500152.9/58

In: 29.307+/-0.004 χ^2/NDF:5947503.2/49

Out: 30.027+/-0.004 χ^2/NDF:7347216.6/56

All: 29.669+/-0.003 χ^2/NDF: 13312224.5/106



Right In: 0.000+/-0.000 χ^2/NDF: 15.8/26

Left Out: 0.000+/-0.000 χ^2/NDF:35.0/24

Right Out: -0.000+/-0.000 χ^2/NDF: 40.9/31

Left In: 0.000+/-0.000 χ^2/NDF:18.6/22

Left: 0.000+/-0.000 χ^2/NDF: 54.6/47

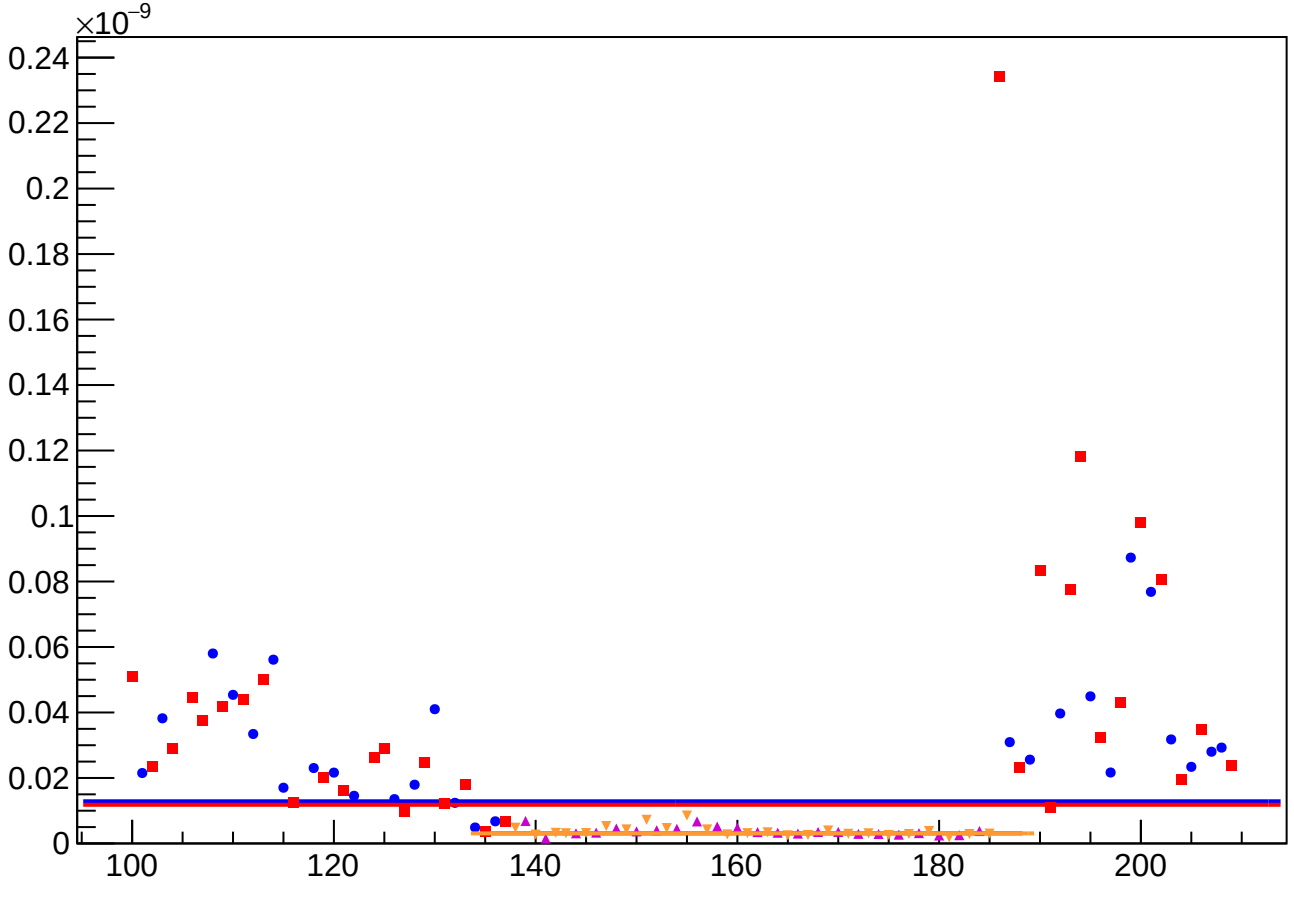
Right: 0.000+/-0.000 χ^2/NDF: 60.1/58

In: 0.000+/-0.000 χ^2/NDF:36.8/49

Out: 0.000+/-0.000 χ^2/NDF:77.4/56

All: 0.000+/-0.000 χ^2/NDF: 114.7/106

asym_sam_1526_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 7618842.3/26

Left Out: 0.000+/-0.000 χ^2/NDF:2024861.7/24

Right Out: 0.000+/-0.000 χ^2/NDF: 10841212.2/31

Left In: 0.000+/-0.000 χ^2/NDF:2149738.1/22

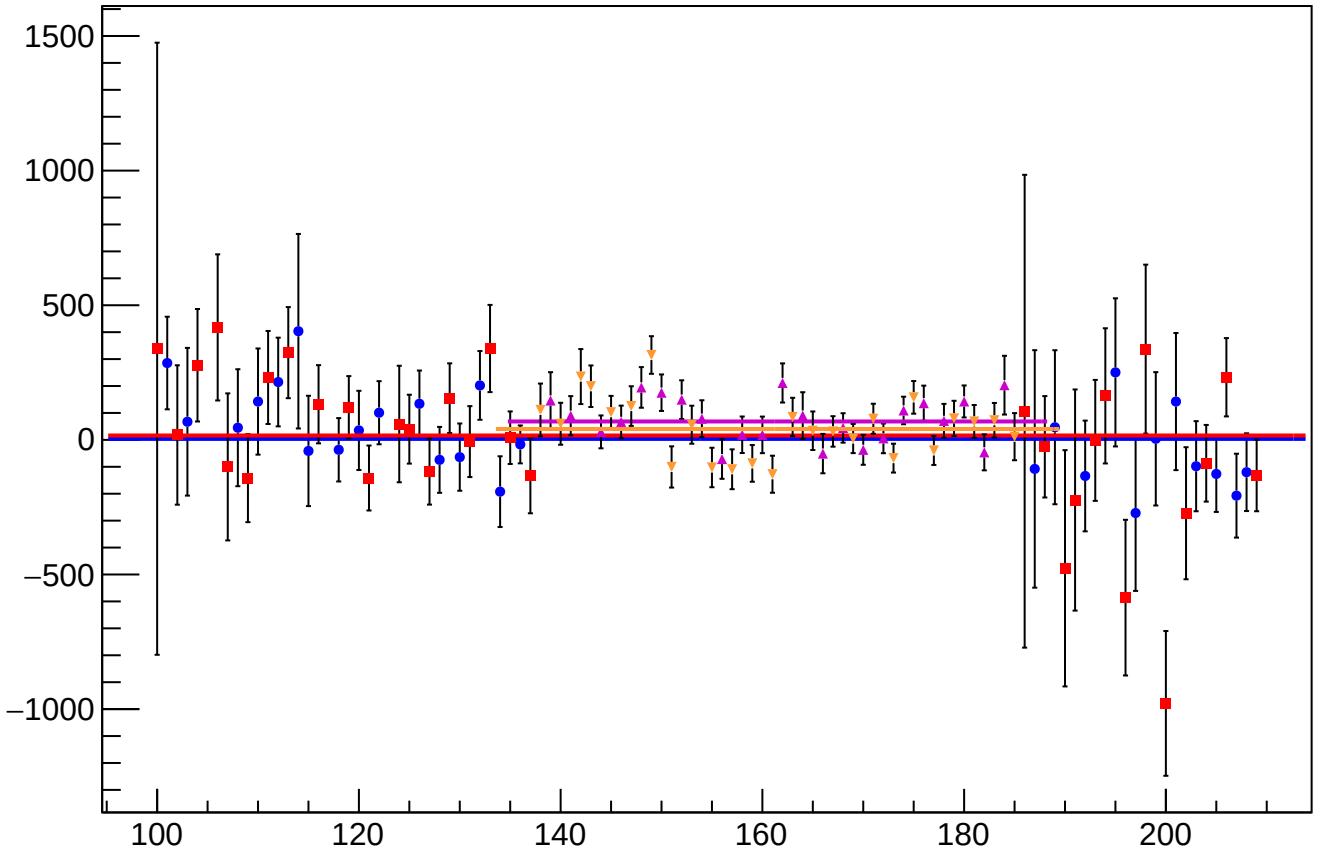
Left: 0.000+/-0.000 χ^2/NDF: 4174620.9/47

Right: 0.000+/-0.000 χ^2/NDF: 18497383.0/58

In: 0.000+/-0.000 χ^2/NDF:15737643.7/49

Out: 0.000+/-0.000 χ^2/NDF:17821127.9/56

All: 0.000+/-0.000 χ^2/NDF: 33560373.4/106



Right In: 3.622+/-29.563 χ^2/NDF: 19.9/26

Left Out: 40.342+/-13.402 χ^2/NDF:59.4/24

Right Out: 16.260+/-30.075 χ^2/NDF: 47.1/31

Left In: 68.344+/-13.866 χ^2/NDF:31.8/22

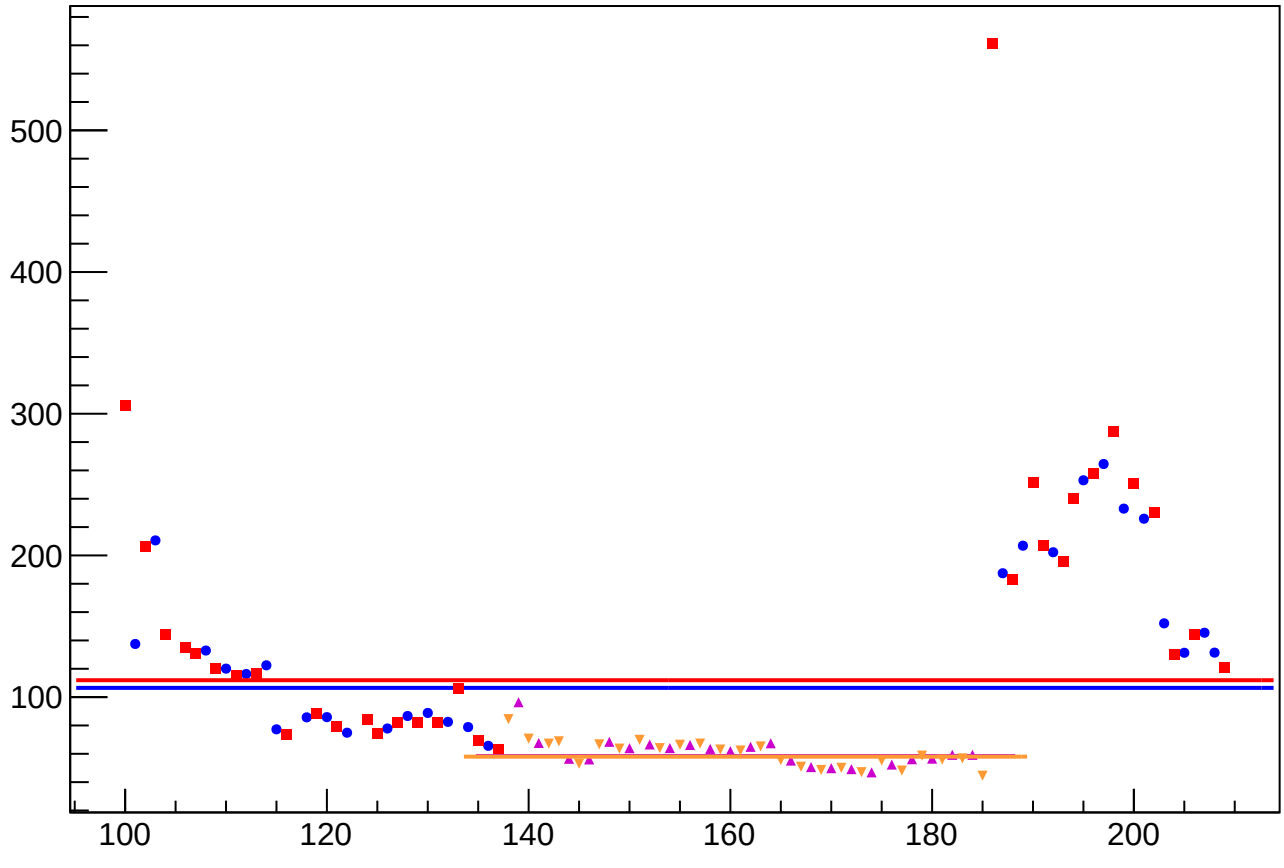
Left: 53.866+/-9.637 χ^2/NDF: 93.3/47

Right: 9.832+/-21.083 χ^2/NDF: 67.1/58

In: 56.673+/-12.554 χ^2/NDF:55.6/49

Out: 36.352+/-12.241 χ^2/NDF:107.0/56

All: 46.257+/-8.764 χ^2/NDF: 163.9/106



Right In: 106.528+/-0.021 χ^2/NDF: 4992287.3/26

Left Out: 57.996+/-0.009 χ^2/NDF:807648.8/24

Right Out: 111.938+/-0.021 χ^2/NDF: 6122678.0/31

Left In: 58.397+/-0.010 χ^2/NDF:735208.2/22

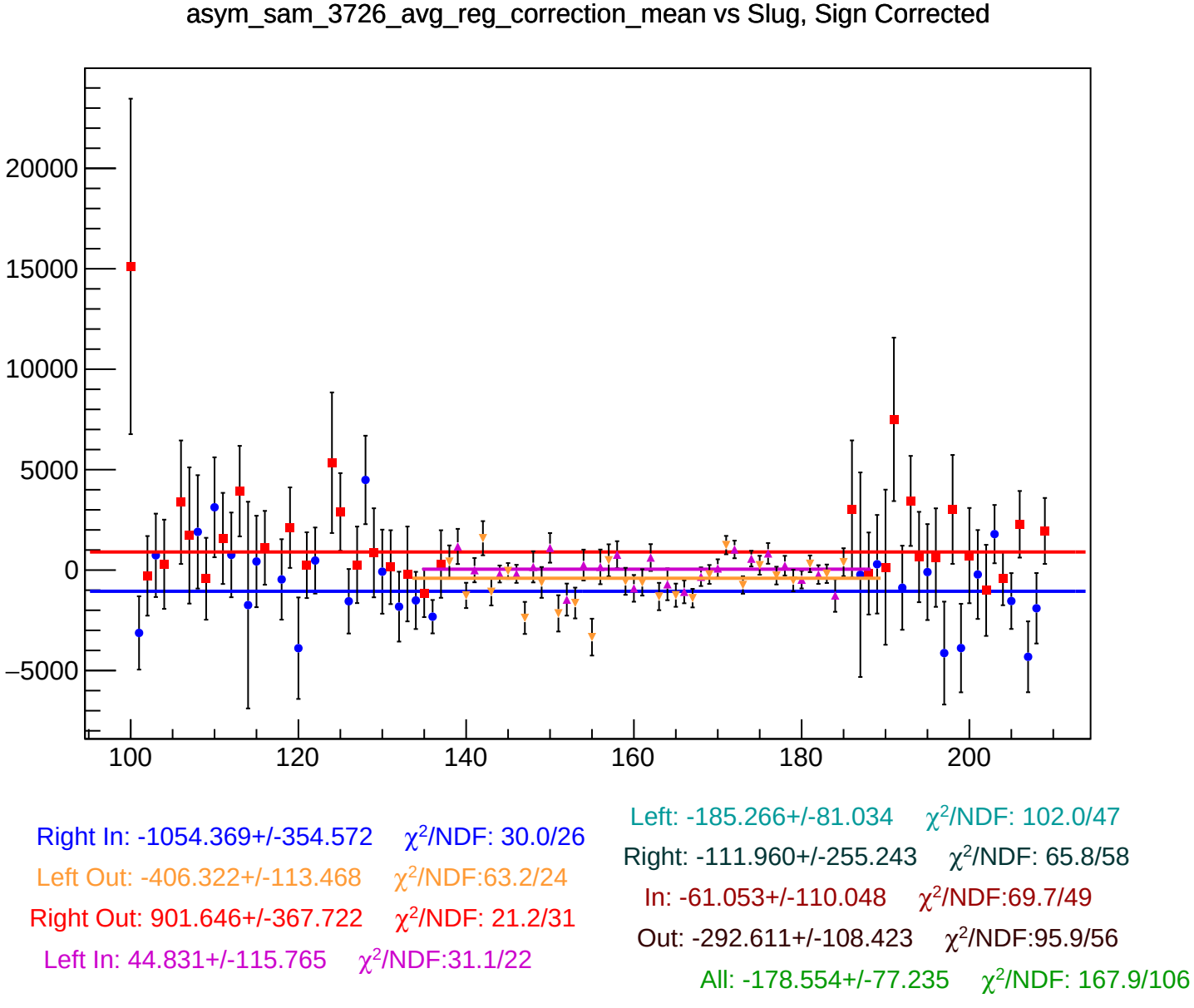
Left: 58.189+/-0.007 χ^2/NDF: 1543722.5/47

Right: 109.187+/-0.015 χ^2/NDF: 11147884.5/58

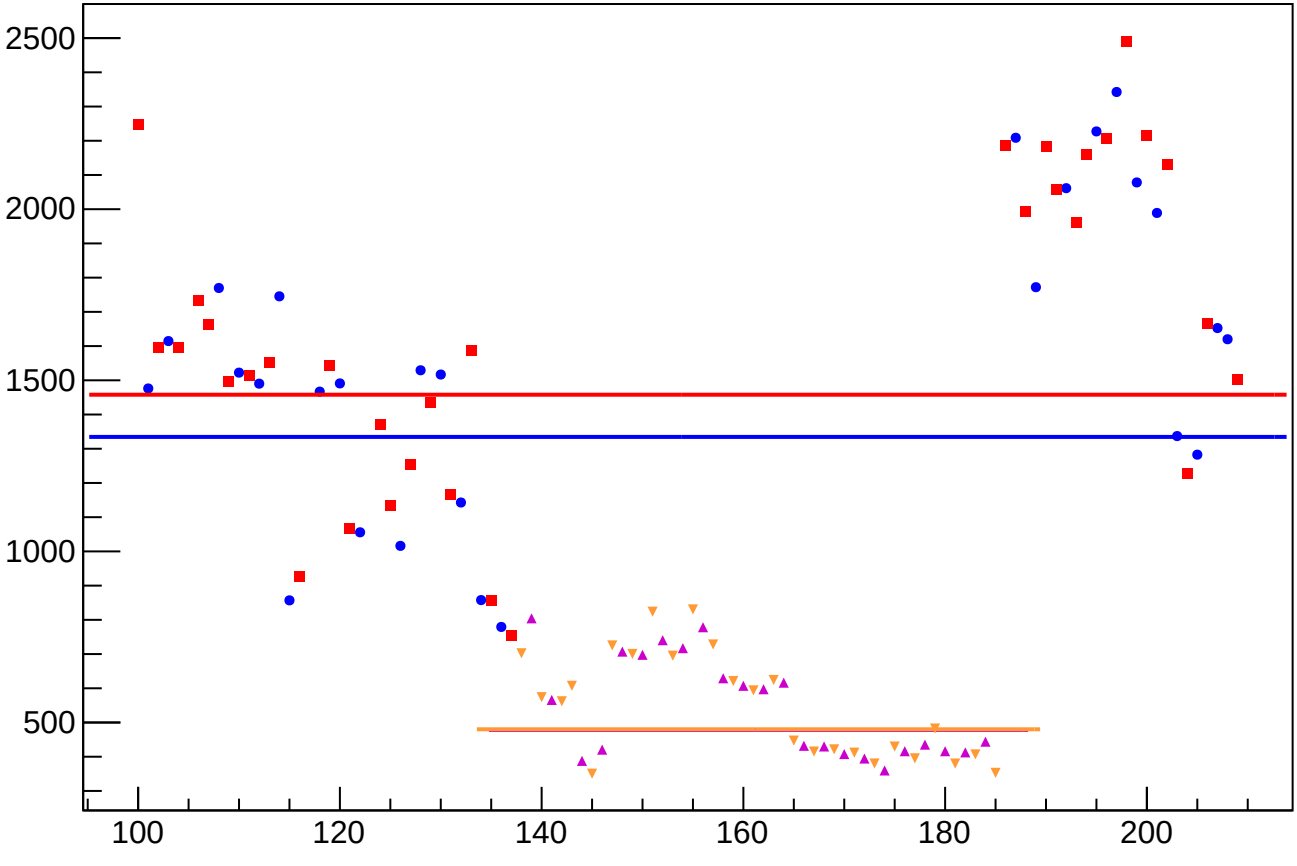
In: 67.076+/-0.009 χ^2/NDF:10072981.1/49

Out: 66.933+/-0.009 χ^2/NDF:12298449.3/56

All: 67.003+/-0.006 χ^2/NDF: 22371564.7/106


asym_sam_3726_avg_reg_correction_mean vs Slug, Sign Corrected
20000
15000
10000
5000
0
−5000
100
120
140
160
180
200
Right In: -1054.369+/-354.572 χ²/NDF: 30.0/26
Left Out: -406.322+/-113.468 χ²/NDF:63.2/24
Right Out: 901.646+/-367.722 χ²/NDF: 21.2/31
Left In: 44.831+/-115.765 χ²/NDF:31.1/22
Left: -185.266+/-81.034 χ²/NDF: 102.0/47
Right: -111.960+/-255.243 χ²/NDF: 65.8/58
In: -61.053+/-110.048 χ²/NDF:69.7/49
Out: -292.611+/-108.423 χ²/NDF:95.9/56
All: -178.554+/-77.235 χ²/NDF: 167.9/106

asym_sam_3726_avg_reg_correction_rms vs Slug, Sign Corrected



Right In: 1334.578+/-0.251 χ^2/NDF: 3019944.4/26

Left Out: 480.162+/-0.080 χ^2/NDF:2582213.9/24

Right Out: 1457.906+/-0.260 χ^2/NDF: 2925102.4/31

Left In: 478.084+/-0.082 χ^2/NDF:2215520.4/22

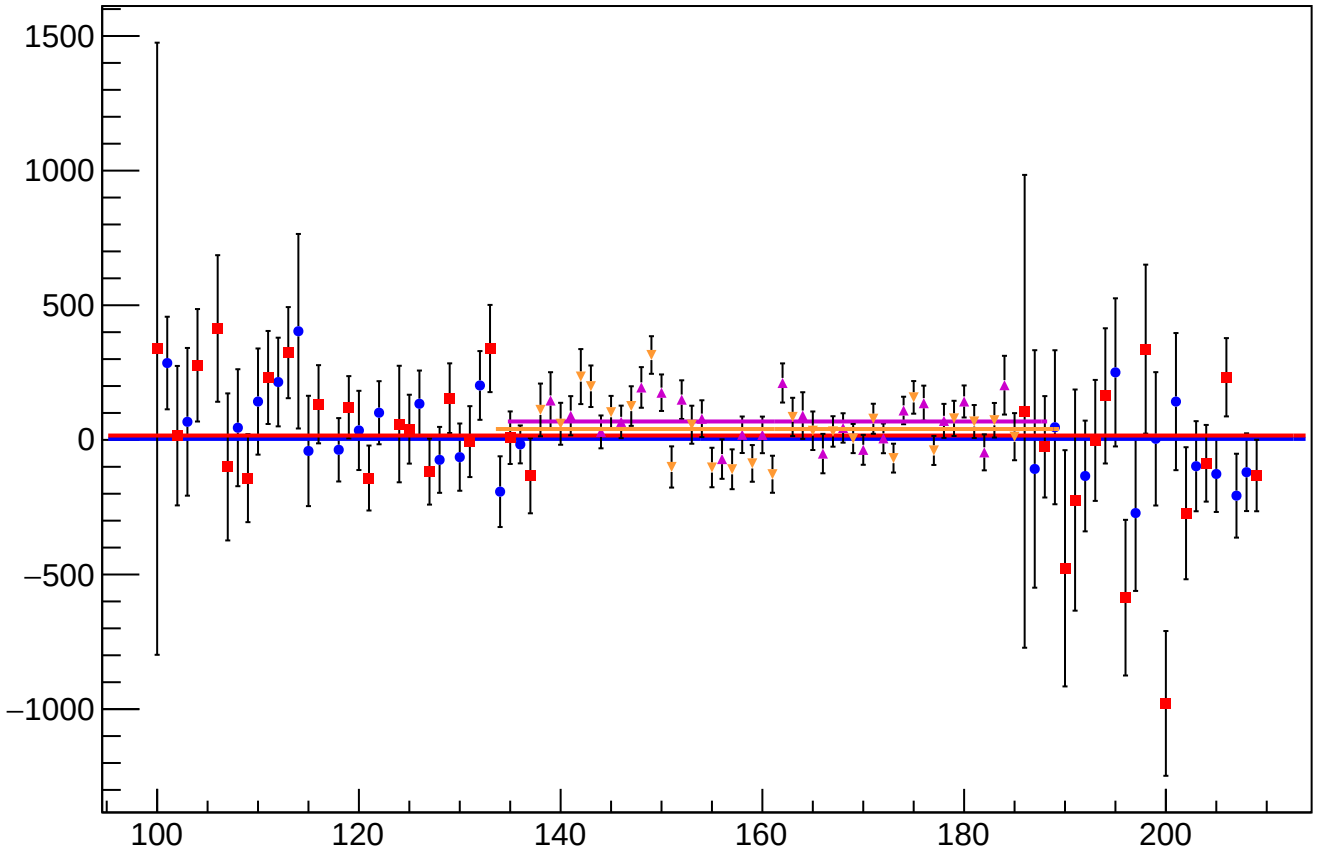
Left: 479.144+/-0.057 χ^2/NDF: 4798063.1/47

Right: 1393.998+/-0.180 χ^2/NDF: 6061624.2/58

In: 560.588+/-0.078 χ^2/NDF:15781266.4/49

Out: 565.164+/-0.077 χ^2/NDF:18417779.2/56

All: 562.910+/-0.055 χ^2/NDF: 34200800.0/10



Right In: 3.611+/-29.563 χ^2/NDF: 19.9/26

Left Out: 40.344+/-13.402 χ^2/NDF:59.4/24

Right Out: 16.147+/-30.076 χ^2/NDF: 47.0/31

Left In: 68.343+/-13.866 χ^2/NDF:31.7/22

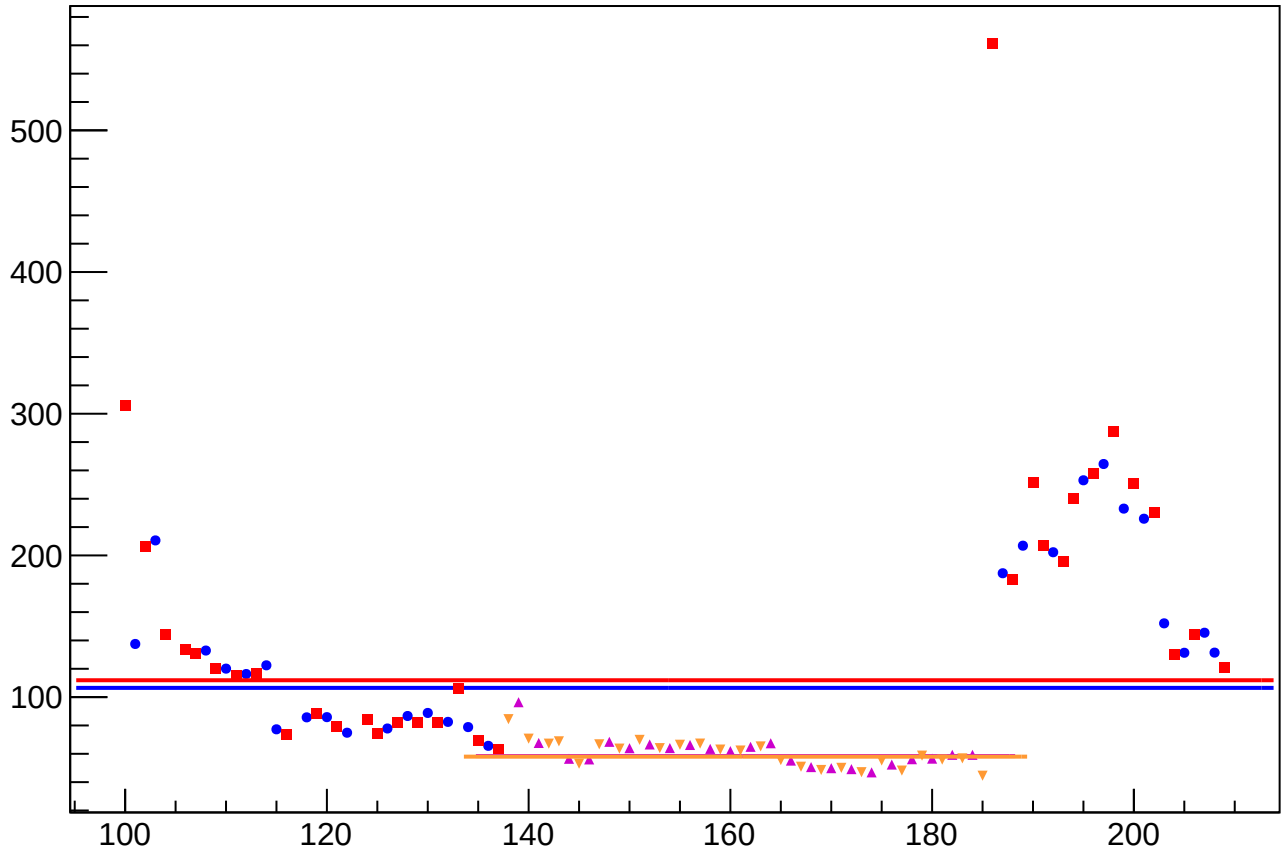
Left: 53.867+/-9.637 χ^2/NDF: 93.3/47

Right: 9.771+/-21.083 χ^2/NDF: 67.0/58

In: 56.670+/-12.554 χ^2/NDF:55.6/49

Out: 36.336+/-12.242 χ^2/NDF:106.9/56

All: 46.247+/-8.764 χ^2/NDF: 163.9/106



Right In: 106.528+/-0.021 χ^2/NDF: 4992290.3/26

Left Out: 57.996+/-0.009 χ^2/NDF:807648.7/24

Right Out: 111.913+/-0.021 χ^2/NDF: 6120549.1/31

Left In: 58.397+/-0.010 χ^2/NDF:735208.2/22

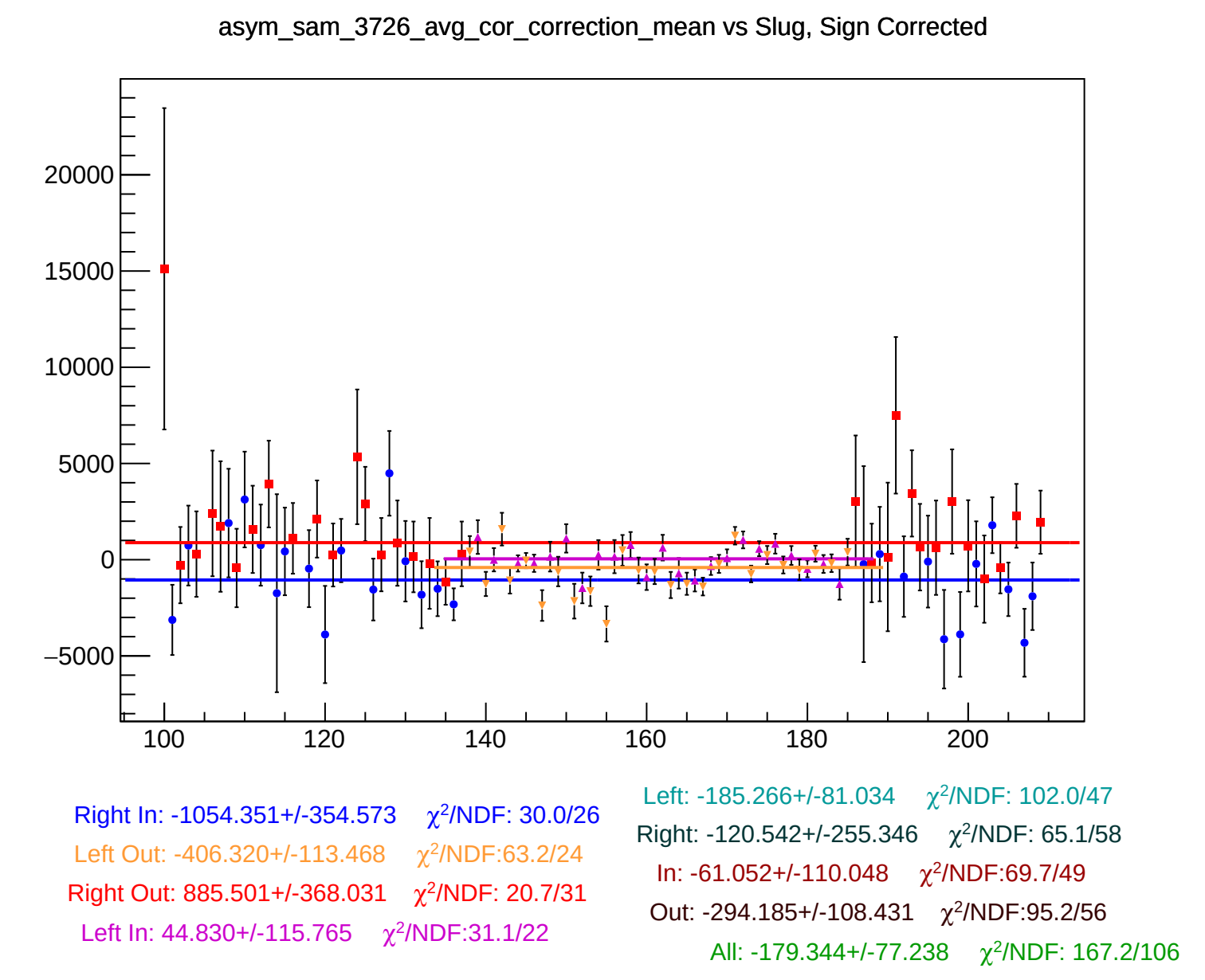
Left: 58.189+/-0.007 χ^2/NDF: 1543722.4/47

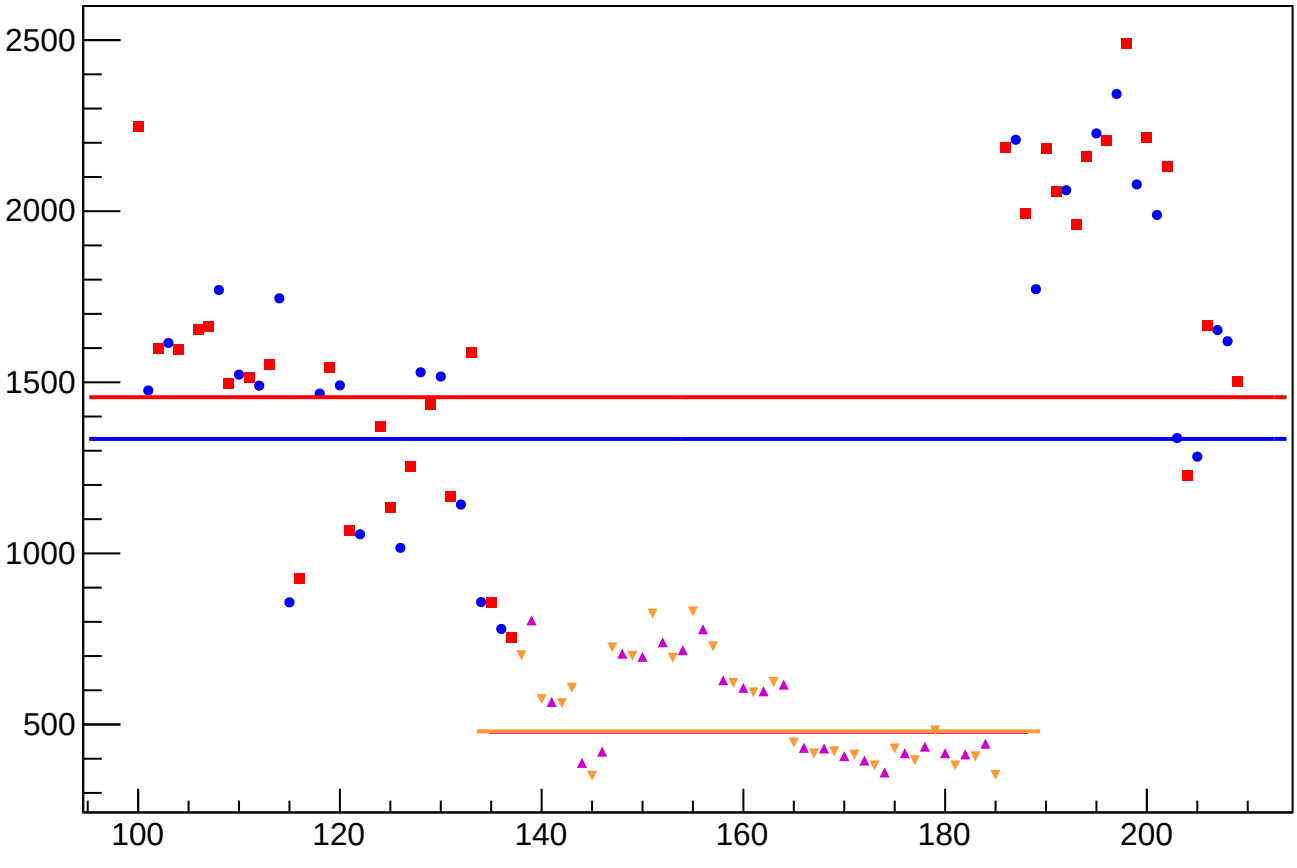
Right: 109.174+/-0.015 χ^2/NDF: 11145446.1/58

In: 67.076+/-0.009 χ^2/NDF:10072983.5/49

Out: 66.928+/-0.009 χ^2/NDF:12290813.5/56

All: 67.000+/-0.006 χ^2/NDF: 22363940.6/106


asym_sam_3726_avg_cor_correction_mean vs Slug, Sign Corrected
20000
15000
10000
5000
0
−5000
100
120
140
160
180
200
Right In: -1054.351+/-354.573 χ²/NDF: 30.0/26
Left Out: -406.320+/-113.468 χ²/NDF:63.2/24
Right Out: 885.501+/-368.031 χ²/NDF: 20.7/31
Left In: 44.830+/-115.765 χ²/NDF:31.1/22
Left: -185.266+/-81.034 χ²/NDF: 102.0/47
Right: -120.542+/-255.346 χ²/NDF: 65.1/58
In: -61.052+/-110.048 χ²/NDF:69.7/49
Out: -294.185+/-108.431 χ²/NDF:95.2/56
All: -179.344+/-77.238 χ²/NDF: 167.2/106



Right In: 1334.580+/-0.251 χ^2/NDF: 3019973.0/26

Left Out: 480.162+/-0.080 χ^2/NDF:2582209.1/24

Right Out: 1456.499+/-0.260 χ^2/NDF: 2916469.8/31

Left In: 478.084+/-0.082 χ^2/NDF:2215518.9/22

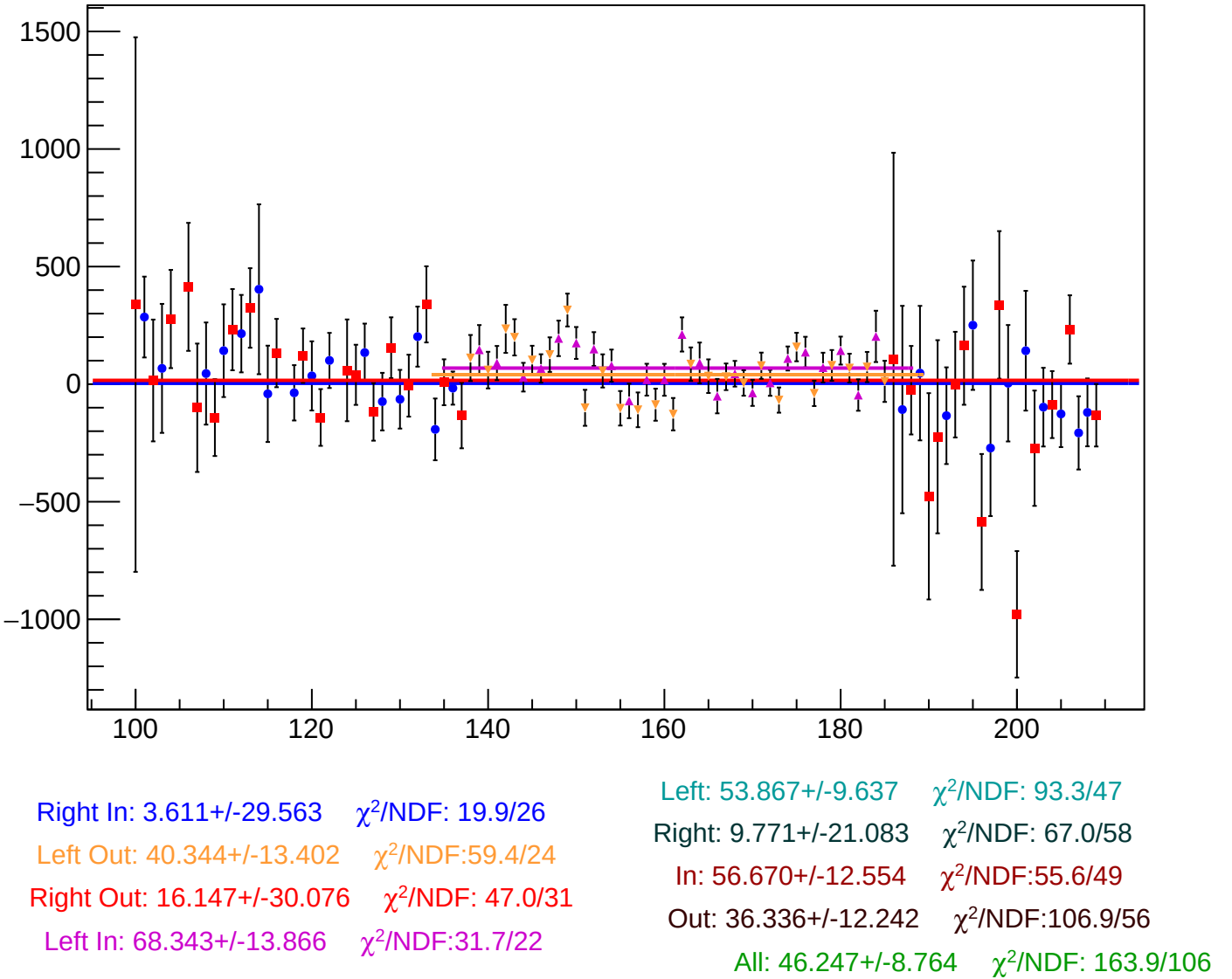
Left: 479.144+/-0.057 χ^2/NDF: 4798056.8/47

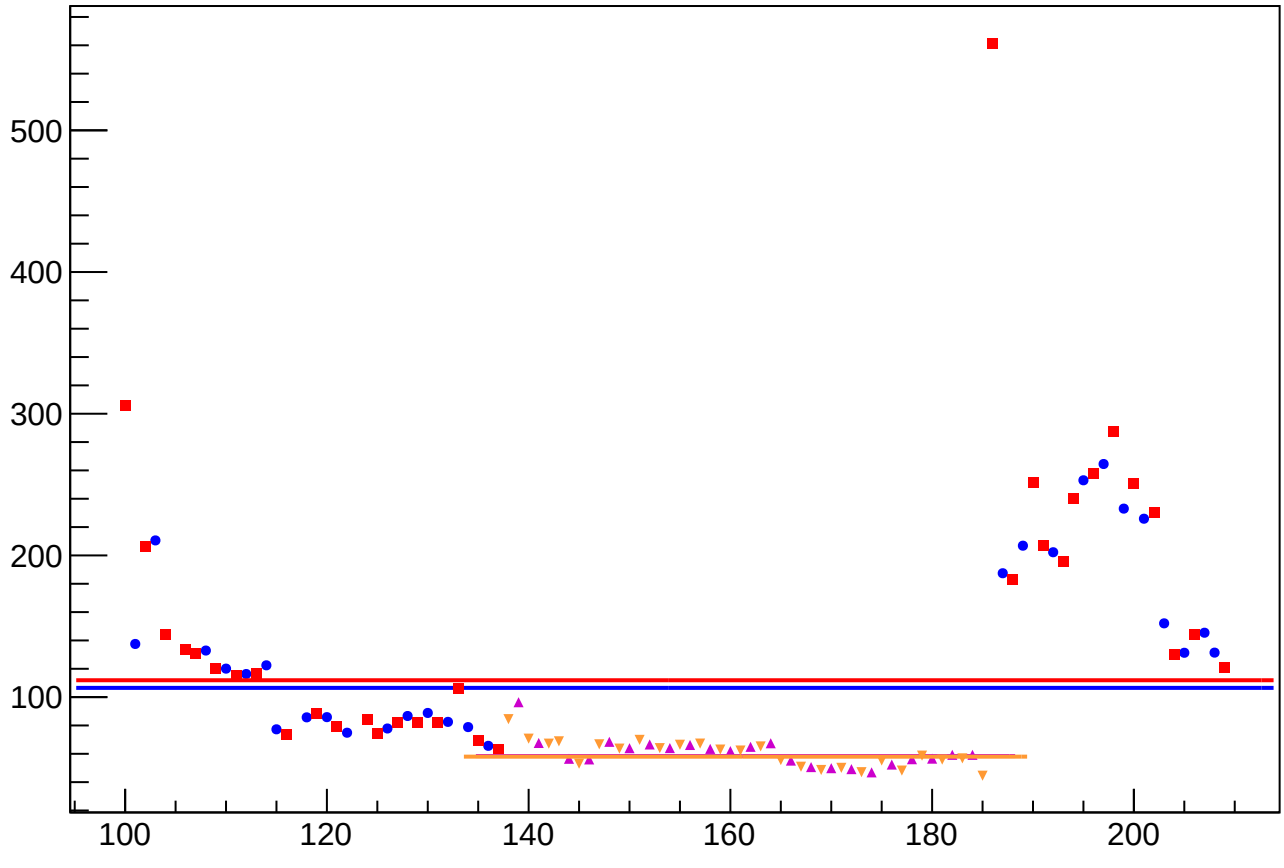
Right: 1393.269+/-0.181 χ^2/NDF: 6050271.5/58

In: 560.588+/-0.078 χ^2/NDF:15781293.2/49

Out: 564.911+/-0.077 χ^2/NDF:18352248.2/56

All: 562.782+/-0.055 χ^2/NDF: 34135107.4/10


eigen_cor_asym_sam_3726_avg_mean vs Slug, Sign Corrected
1500
1000
500
0
−500
−1000
100
120
140
160
180
200
Right In: 3.611+/-29.563 χ²/NDF: 19.9/26
Left Out: 40.344+/-13.402 χ²/NDF:59.4/24
Right Out: 16.147+/-30.076 χ²/NDF: 47.0/31
Left In: 68.343+/-13.866 χ²/NDF:31.7/22
Left: 53.867+/-9.637 χ²/NDF: 93.3/47
Right: 9.771+/-21.083 χ²/NDF: 67.0/58
In: 56.670+/-12.554 χ²/NDF:55.6/49
Out: 36.336+/-12.242 χ²/NDF:106.9/56
All: 46.247+/-8.764 χ²/NDF: 163.9/106



Right In: 106.528+/-0.021 χ^2/NDF: 4992290.3/26

Left Out: 57.996+/-0.009 χ^2/NDF:807648.7/24

Right Out: 111.913+/-0.021 χ^2/NDF: 6120549.1/31

Left In: 58.397+/-0.010 χ^2/NDF:735208.2/22

Left: 58.189+/-0.007 χ^2/NDF: 1543722.4/47

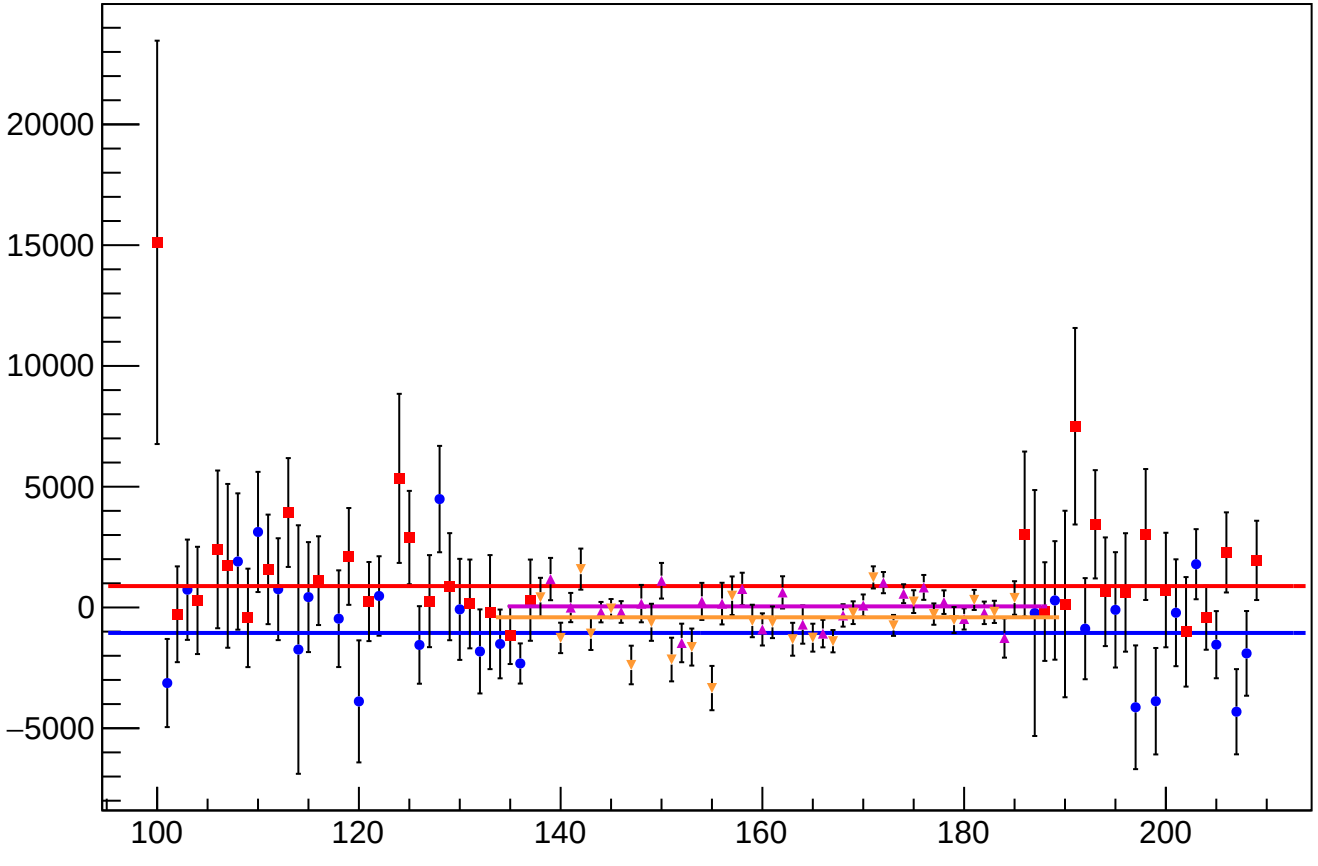
Right: 109.174+/-0.015 χ^2/NDF: 11145446.1/58

In: 67.076+/-0.009 χ^2/NDF:10072983.5/49

Out: 66.928+/-0.009 χ^2/NDF:12290813.5/56

All: 67.000+/-0.006 χ^2/NDF: 22363940.6/106

asym_sam_3726_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -1054.351+/-354.573 χ^2/NDF: 30.0/26

Left Out: -406.320+/-113.468 χ^2/NDF:63.2/24

Right Out: 885.501+/-368.031 χ^2/NDF: 20.7/31

Left In: 44.830+/-115.765 χ^2/NDF:31.1/22

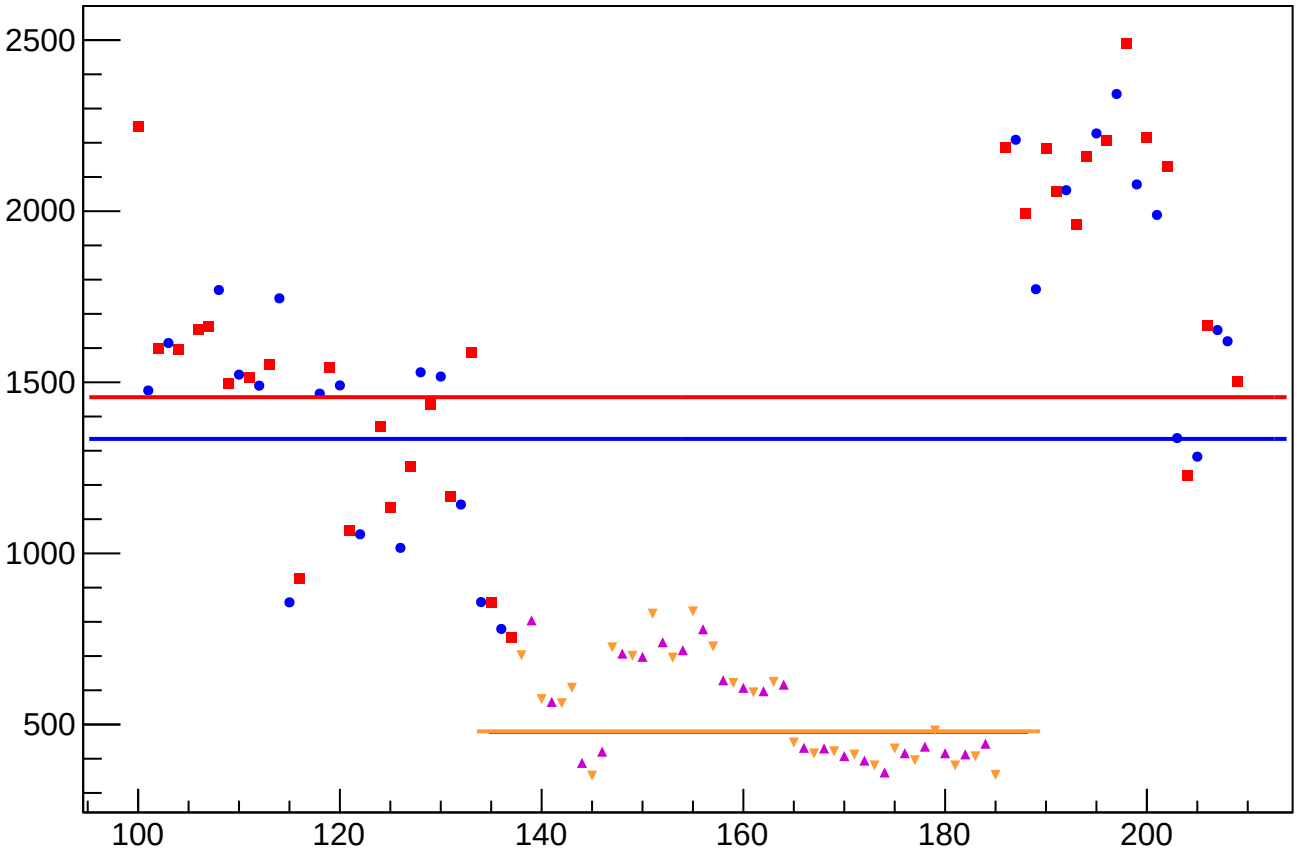
Left: -185.266+/-81.034 χ^2/NDF: 102.0/47

Right: -120.542+/-255.346 χ^2/NDF: 65.1/58

In: -61.052+/-110.048 χ^2/NDF:69.7/49

Out: -294.185+/-108.431 χ^2/NDF:95.2/56

All: -179.344+/-77.238 χ^2/NDF: 167.2/106



Right In: 1334.580+/-0.251 χ^2/NDF: 3019973.0/26

Left Out: 480.162+/-0.080 χ^2/NDF:2582209.1/24

Right Out: 1456.499+/-0.260 χ^2/NDF: 2916469.8/31

Left In: 478.084+/-0.082 χ^2/NDF:2215518.9/22

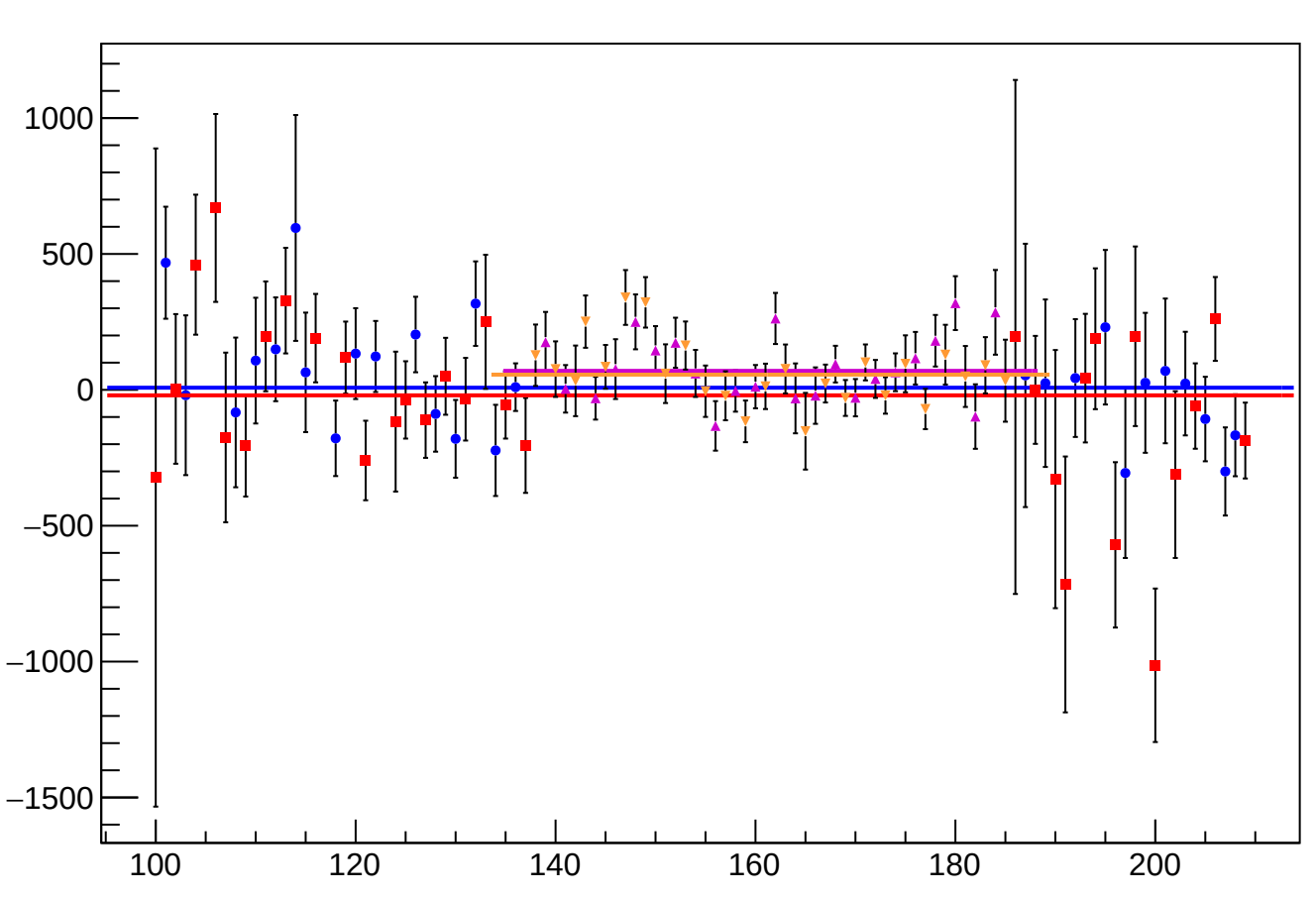
Left: 479.144+/-0.057 χ^2/NDF: 4798056.8/47

Right: 1393.269+/-0.181 χ^2/NDF: 6050271.5/58

In: 560.588+/-0.078 χ^2/NDF:15781293.2/49

Out: 564.911+/-0.077 χ^2/NDF:18352248.2/56

All: 562.782+/-0.055 χ^2/NDF: 34135107.4/10



Right In: 7.840+/-33.992 χ^2/NDF: 28.3/26

Left Out: 55.949+/-17.949 χ^2/NDF:38.3/24

Right Out: -20.272+/-34.538 χ^2/NDF: 47.0/31

Left In: 69.844+/-18.497 χ^2/NDF:34.5/22

Left: 62.687+/-12.881 χ^2/NDF: 73.1/47

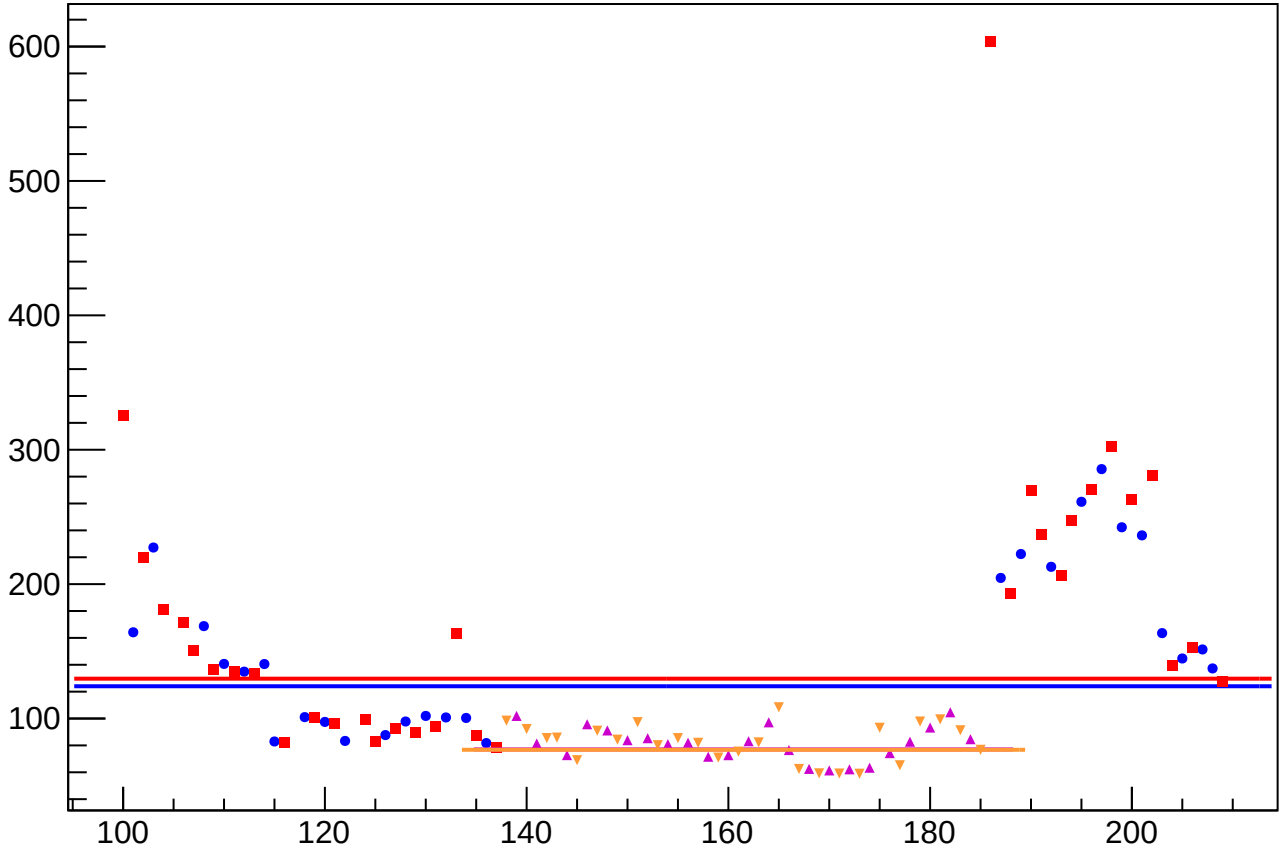
Right: -5.992+/-24.227 χ^2/NDF: 75.7/58

In: 55.679+/-16.247 χ^2/NDF:65.4/49

Out: 39.740+/-15.927 χ^2/NDF:89.2/56

All: 47.551+/-11.373 χ^2/NDF: 155.1/106

dit_asym_sam_3726_avg_rms vs Slug, Sign Corrected



Right In: 124.016+/-0.024 χ^2/NDF: 4136288.9/26

Left Out: 76.744+/-0.013 χ^2/NDF:1234629.1/24

Right Out: 129.655+/-0.024 χ^2/NDF: 5427572.7/31

Left In: 77.018+/-0.013 χ^2/NDF:858871.7/22

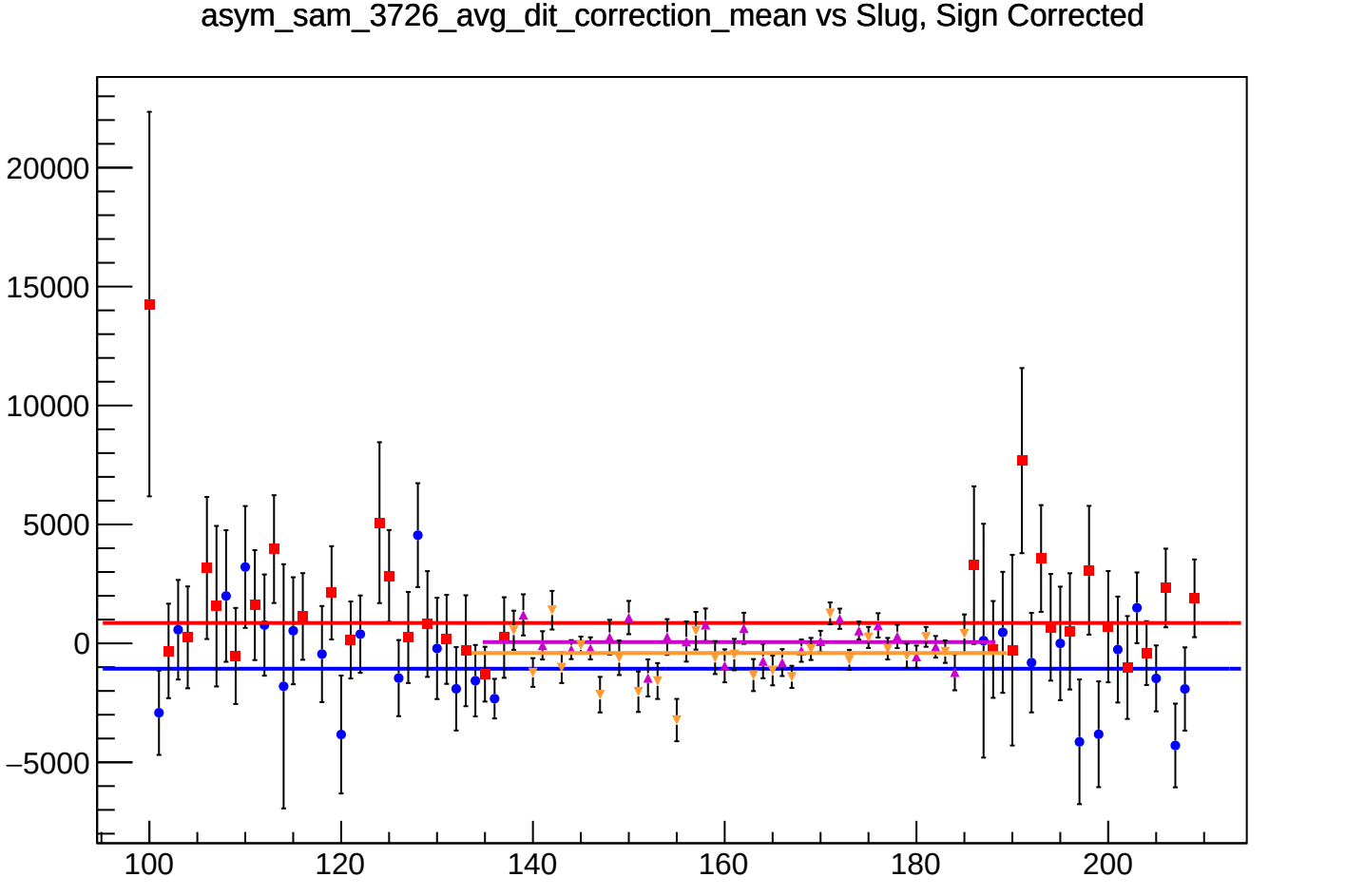
Left: 76.877+/-0.009 χ^2/NDF: 2093727.3/47

Right: 126.791+/-0.017 χ^2/NDF: 9590948.6/58

In: 87.755+/-0.011 χ^2/NDF:7945015.8/49

Out: 87.996+/-0.011 χ^2/NDF:10358069.5/56

All: 87.878+/-0.008 χ^2/NDF: 18303309.4/106



Right In: -1066.040+/-356.358 χ^2/NDF: 28.9/26

Left Out: -403.375+/-111.773 χ^2/NDF:60.7/24

Right Out: 856.594+/-364.825 χ^2/NDF: 22.6/31

Left In: 54.192+/-114.223 χ^2/NDF:30.7/22

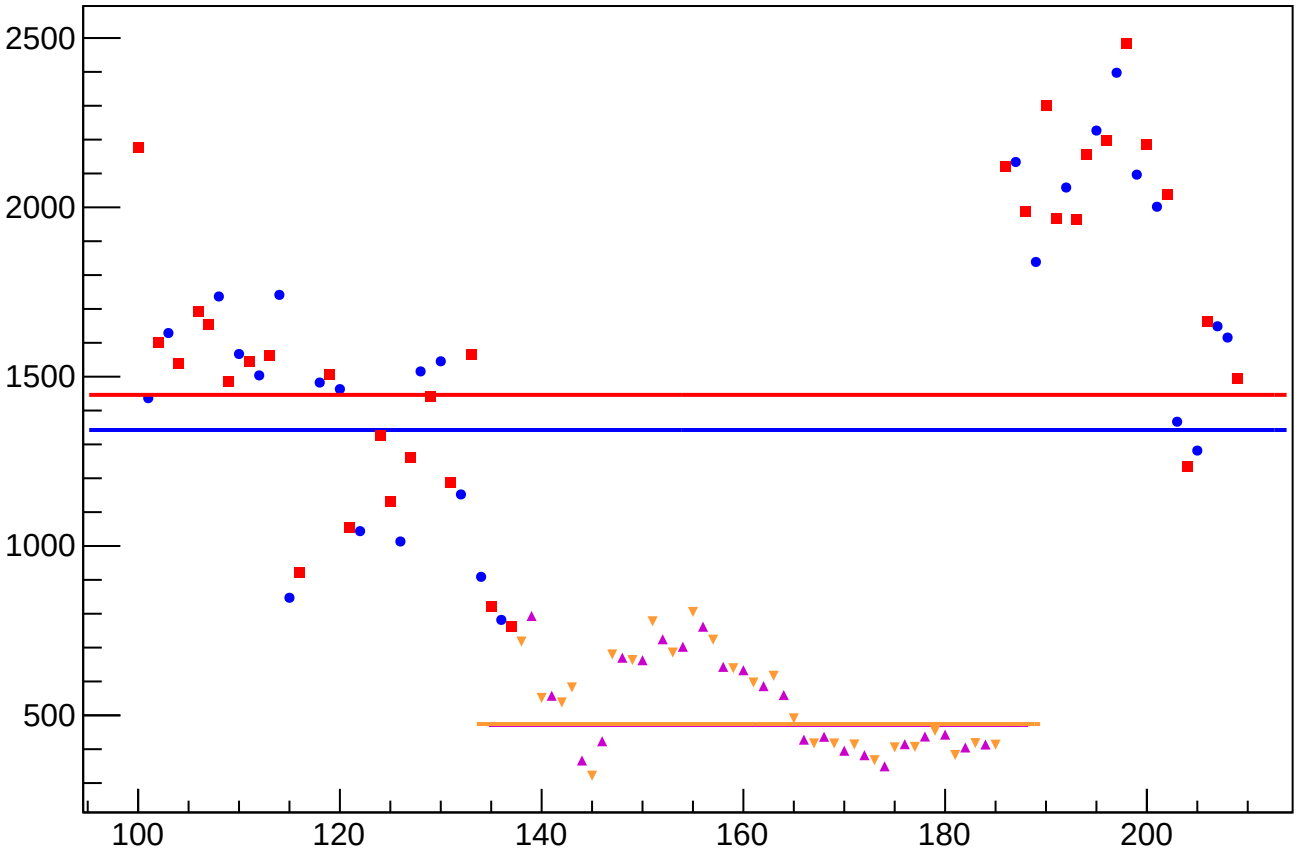
Left: -179.552+/-79.888 χ^2/NDF: 99.6/47

Right: -127.291+/-254.924 χ^2/NDF: 65.7/58

In: -50.177+/-108.772 χ^2/NDF:68.5/49

Out: -295.256+/-106.870 χ^2/NDF:94.3/56

All: -174.878+/-76.232 χ^2/NDF: 165.4/106



Right In: 1342.533+/-0.252 χ^2/NDF: 2993407.1/26

Left Out: 474.294+/-0.079 χ^2/NDF:2538995.4/24

Right Out: 1446.251+/-0.258 χ^2/NDF: 2956245.0/31

Left In: 471.456+/-0.081 χ^2/NDF:2209343.4/22

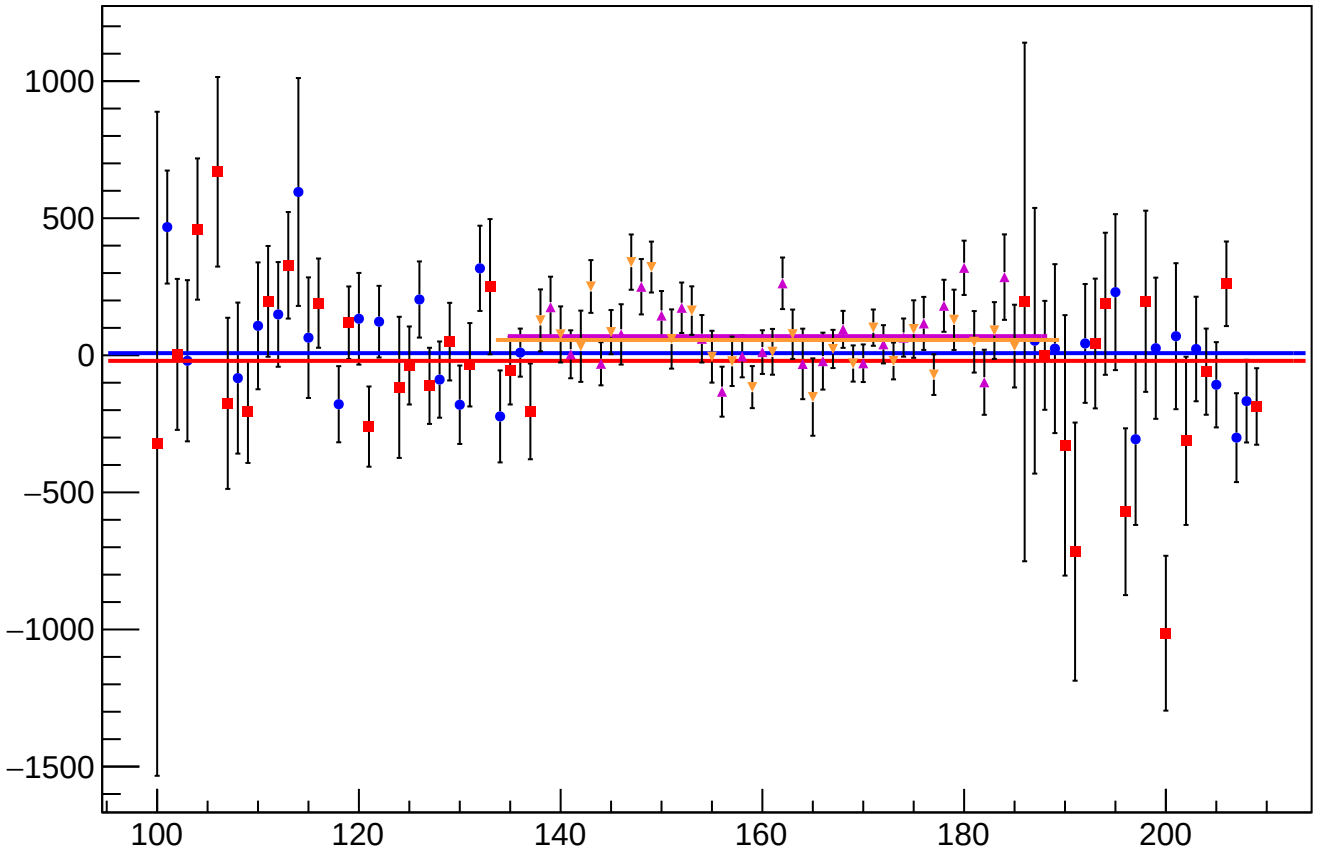
Left: 472.906+/-0.056 χ^2/NDF: 4748969.5/47

Right: 1393.174+/-0.180 χ^2/NDF: 6032374.0/58

In: 552.612+/-0.077 χ^2/NDF:16039429.7/49

Out: 557.699+/-0.076 χ^2/NDF:18472756.7/56

All: 555.200+/-0.054 χ^2/NDF: 34514412.1/10



Right In: 7.841+/-33.992 χ^2/NDF: 28.3/26

Left Out: 55.948+/-17.949 χ^2/NDF:38.3/24

Right Out: -20.274+/-34.538 χ^2/NDF: 47.0/31

Left In: 69.843+/-18.497 χ^2/NDF:34.5/22

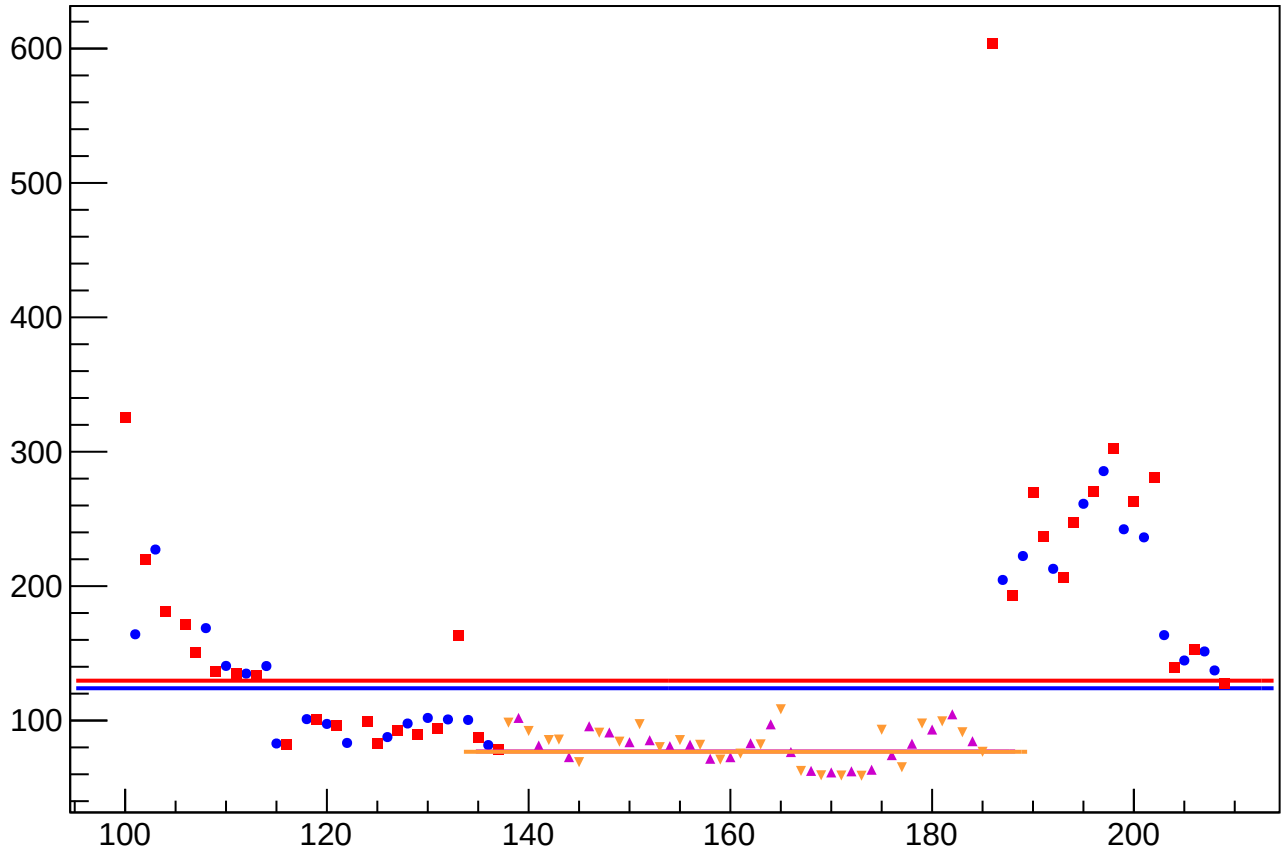
Left: 62.687+/-12.881 χ^2/NDF: 73.1/47

Right: -5.993+/-24.226 χ^2/NDF: 75.7/58

In: 55.678+/-16.247 χ^2/NDF:65.4/49

Out: 39.739+/-15.927 χ^2/NDF:89.2/56

All: 47.550+/-11.373 χ^2/NDF: 155.1/106



Right In: 124.016+/-0.024 χ^2/NDF: 4136297.4/26

Left Out: 76.744+/-0.013 χ^2/NDF:1234627.7/24

Right Out: 129.655+/-0.024 χ^2/NDF: 5427582.4/31

Left In: 77.018+/-0.013 χ^2/NDF:858863.2/22

Left: 76.877+/-0.009 χ^2/NDF: 2093717.5/47

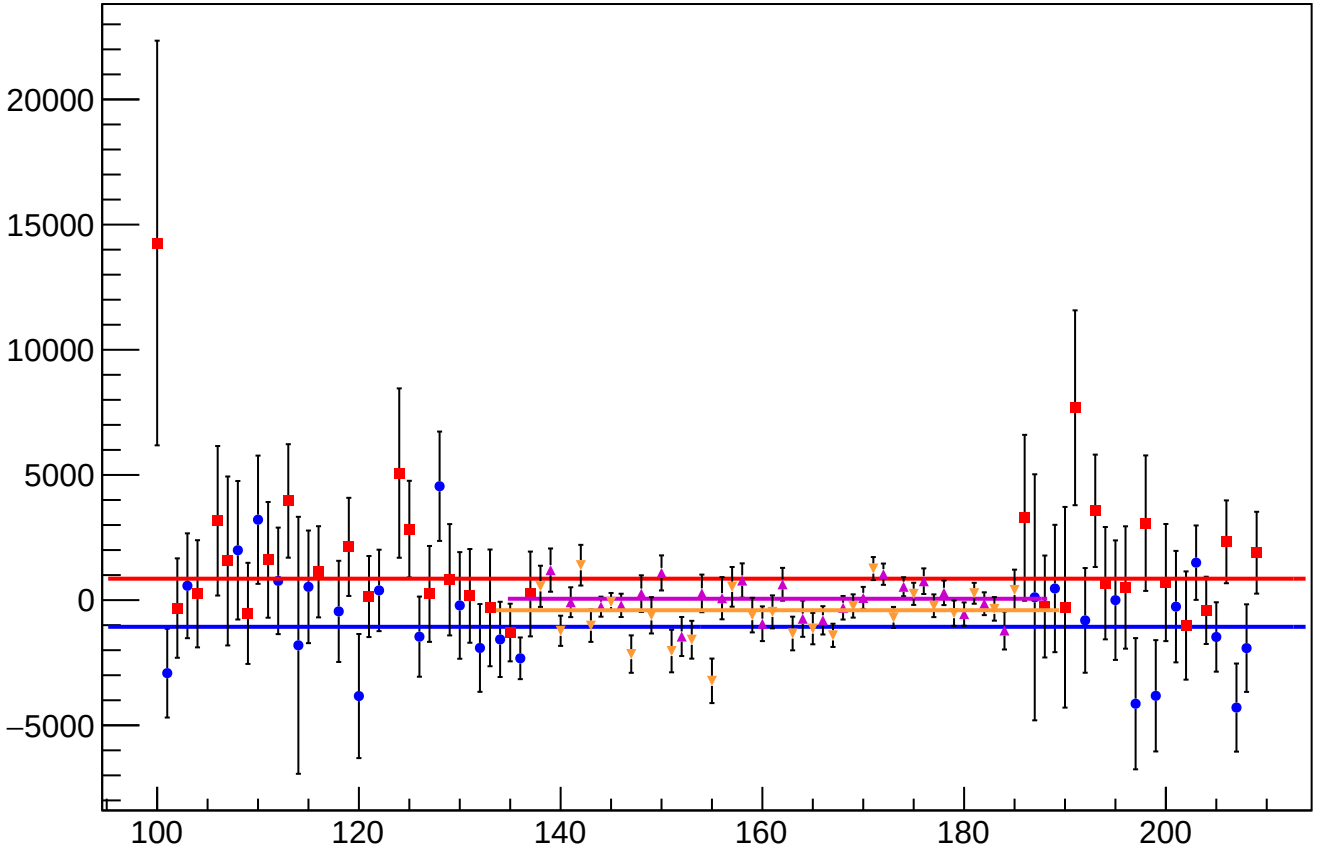
Right: 126.791+/-0.017 χ^2/NDF: 9590968.4/58

In: 87.755+/-0.011 χ^2/NDF:7944951.9/49

Out: 87.996+/-0.011 χ^2/NDF:10358026.2/56

All: 87.878+/-0.008 χ^2/NDF: 18303202.2/106

asym_sam_3726_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -1066.037+/-356.358 χ^2/NDF: 28.9/26

Left Out: -403.375+/-111.773 χ^2/NDF:60.7/24

Right Out: 856.594+/-364.824 χ^2/NDF: 22.6/31

Left In: 54.192+/-114.223 χ^2/NDF:30.7/22

Left: -179.551+/-79.888 χ^2/NDF: 99.6/47

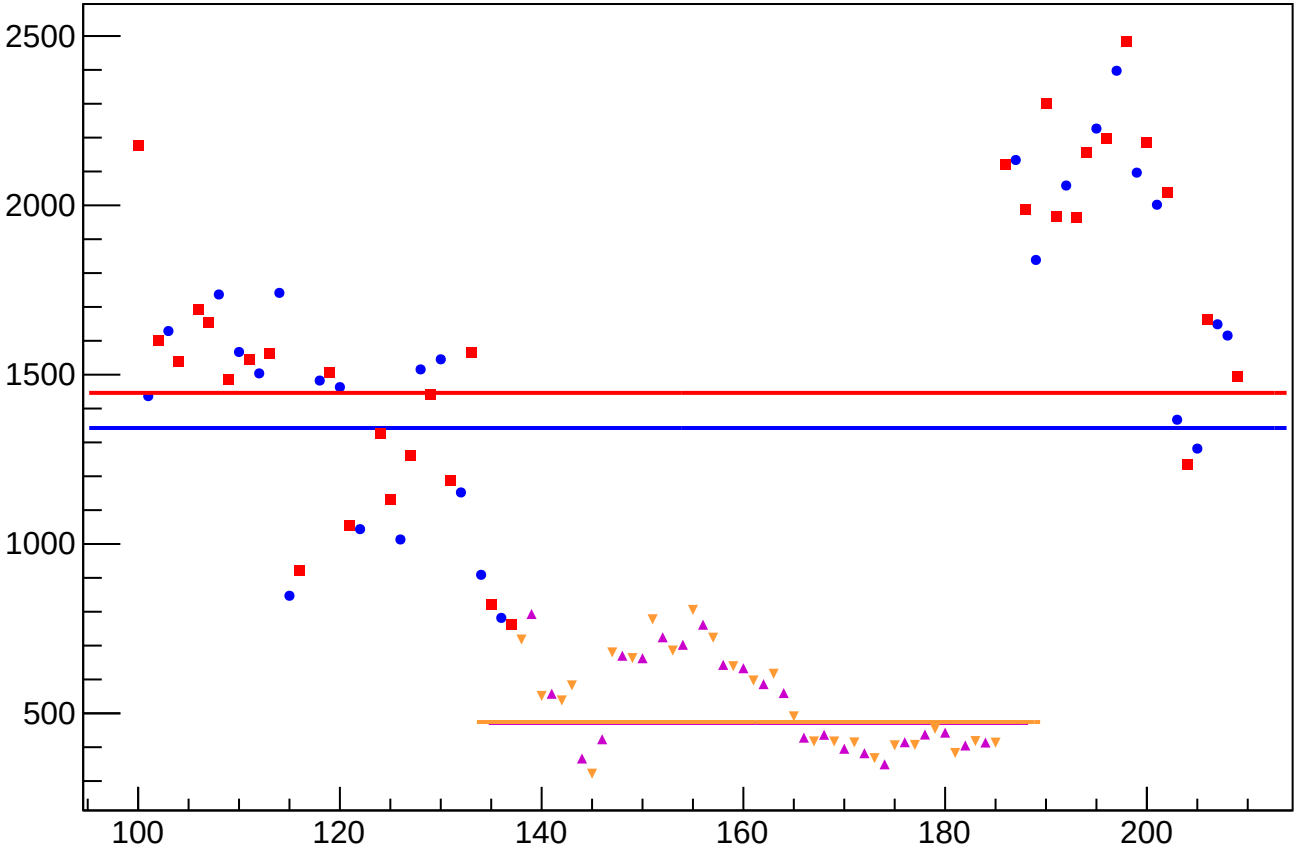
Right: -127.289+/-254.924 χ^2/NDF: 65.7/58

In: -50.177+/-108.772 χ^2/NDF:68.5/49

Out: -295.256+/-106.870 χ^2/NDF:94.3/56

All: -174.878+/-76.232 χ^2/NDF: 165.4/106

asym_sam_3726_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 1342.532+/-0.252 χ^2/NDF: 2993398.3/26

Left Out: 474.294+/-0.079 χ^2/NDF:2538999.2/24

Right Out: 1446.250+/-0.258 χ^2/NDF: 2956240.6/31

Left In: 471.456+/-0.081 χ^2/NDF:2209338.4/22

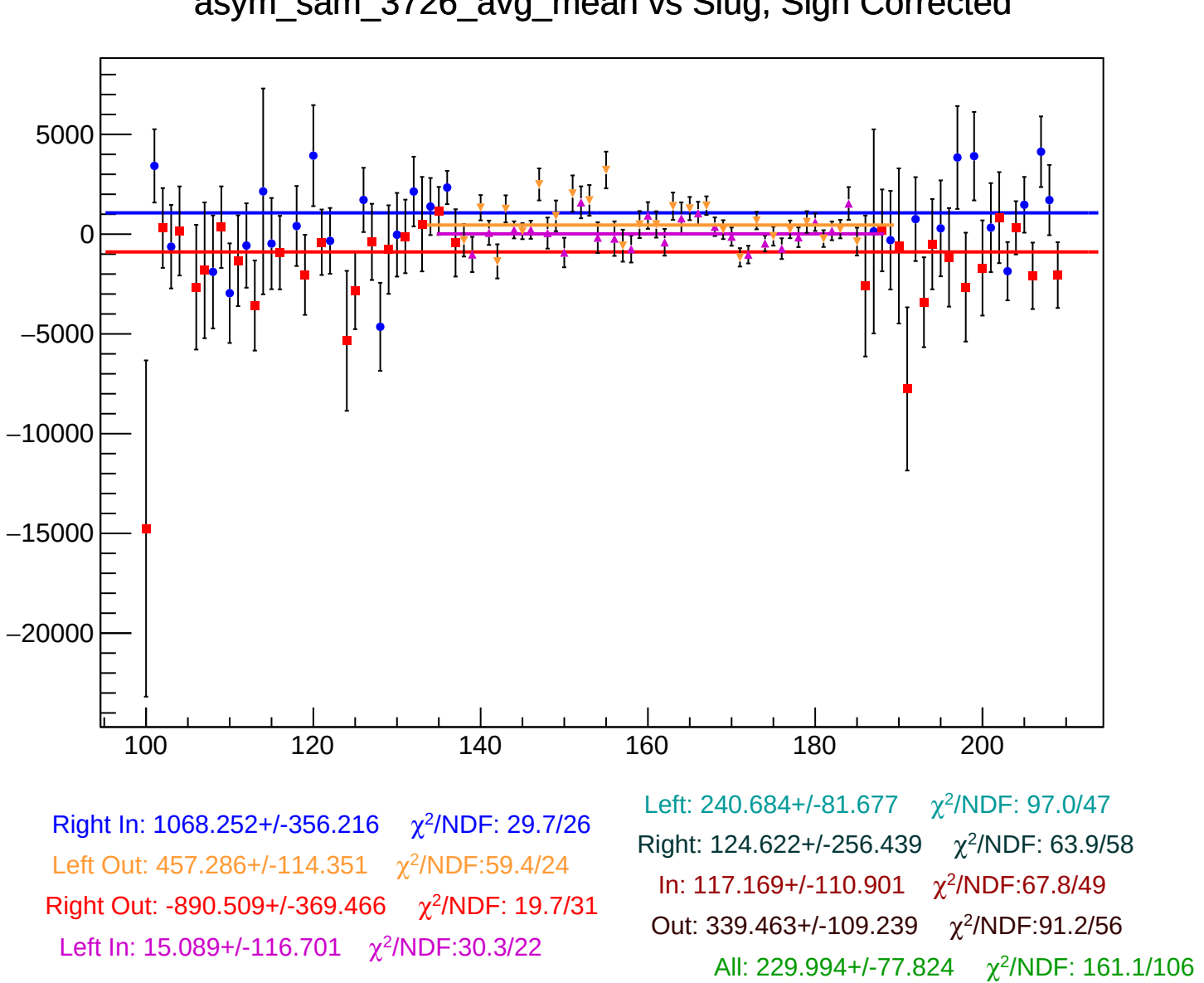
Left: 472.905+/-0.056 χ^2/NDF: 4748968.3/47

Right: 1393.173+/-0.180 χ^2/NDF: 6032360.3/58

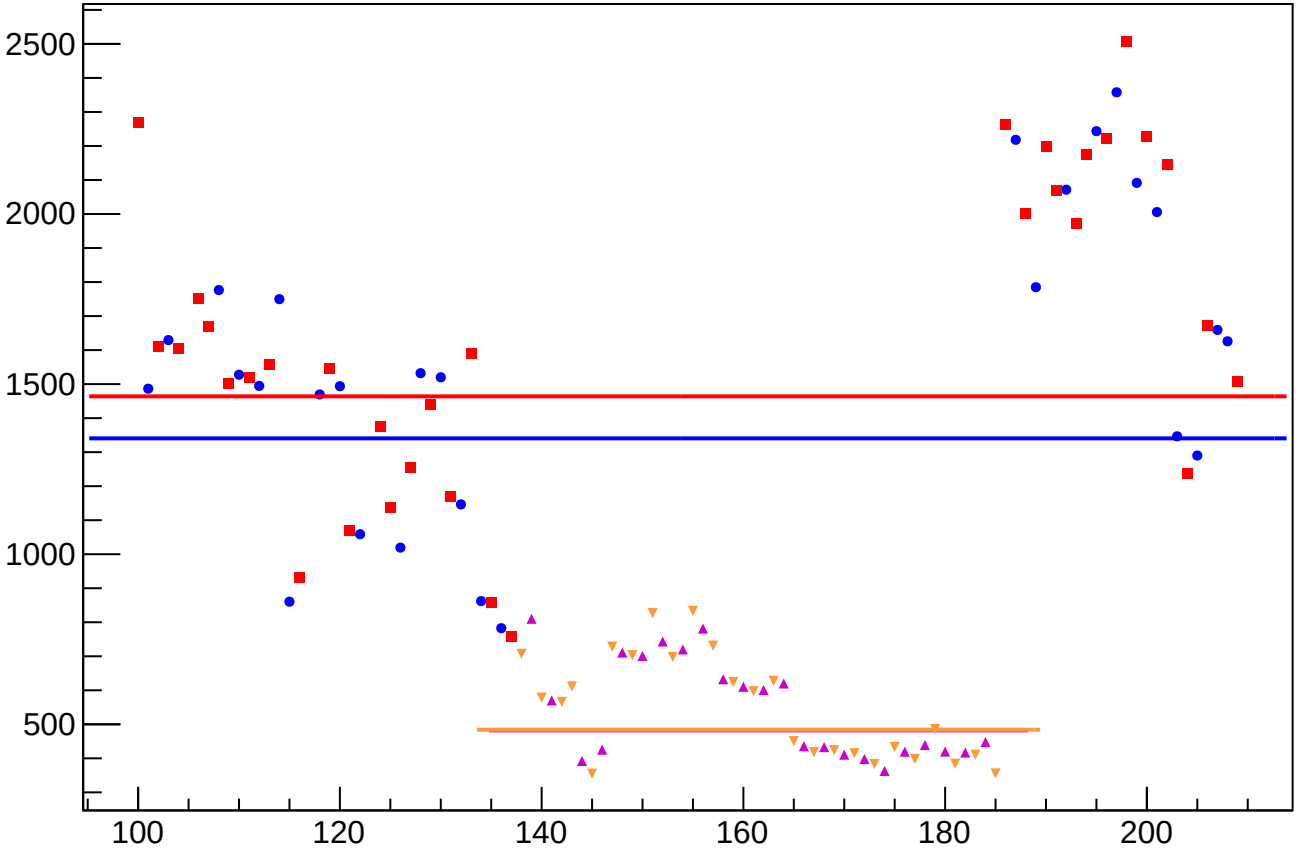
In: 552.611+/-0.077 χ^2/NDF:16039415.2/49

Out: 557.698+/-0.076 χ^2/NDF:18472754.8/56

All: 555.200+/-0.054 χ^2/NDF: 34514395.5/10


asym_sam_3726_avg_mean vs Slug, Sign Corrected
5000
0
−5000
−10000
−15000
−20000
100
120
140
160
180
200
Right In: 1068.252+/-356.216 χ²/NDF: 29.7/26
Left Out: 457.286+/-114.351 χ²/NDF:59.4/24
Right Out: -890.509+/-369.466 χ²/NDF: 19.7/31
Left In: 15.089+/-116.701 χ²/NDF:30.3/22
Left: 240.684+/-81.677 χ²/NDF: 97.0/47
Right: 124.622+/-256.439 χ²/NDF: 63.9/58
In: 117.169+/-110.901 χ²/NDF:67.8/49
Out: 339.463+/-109.239 χ²/NDF:91.2/56
All: 229.994+/-77.824 χ²/NDF: 161.1/106

asym_sam_3726_avg_rms vs Slug, Sign Corrected



Right In: 1340.525+/-0.252 χ^2/NDF: 3030996.1/26

Left Out: 484.128+/-0.081 χ^2/NDF:2548479.4/24

Right Out: 1463.961+/-0.261 χ^2/NDF: 2955751.2/31

Left In: 482.160+/-0.083 χ^2/NDF:2186689.9/22

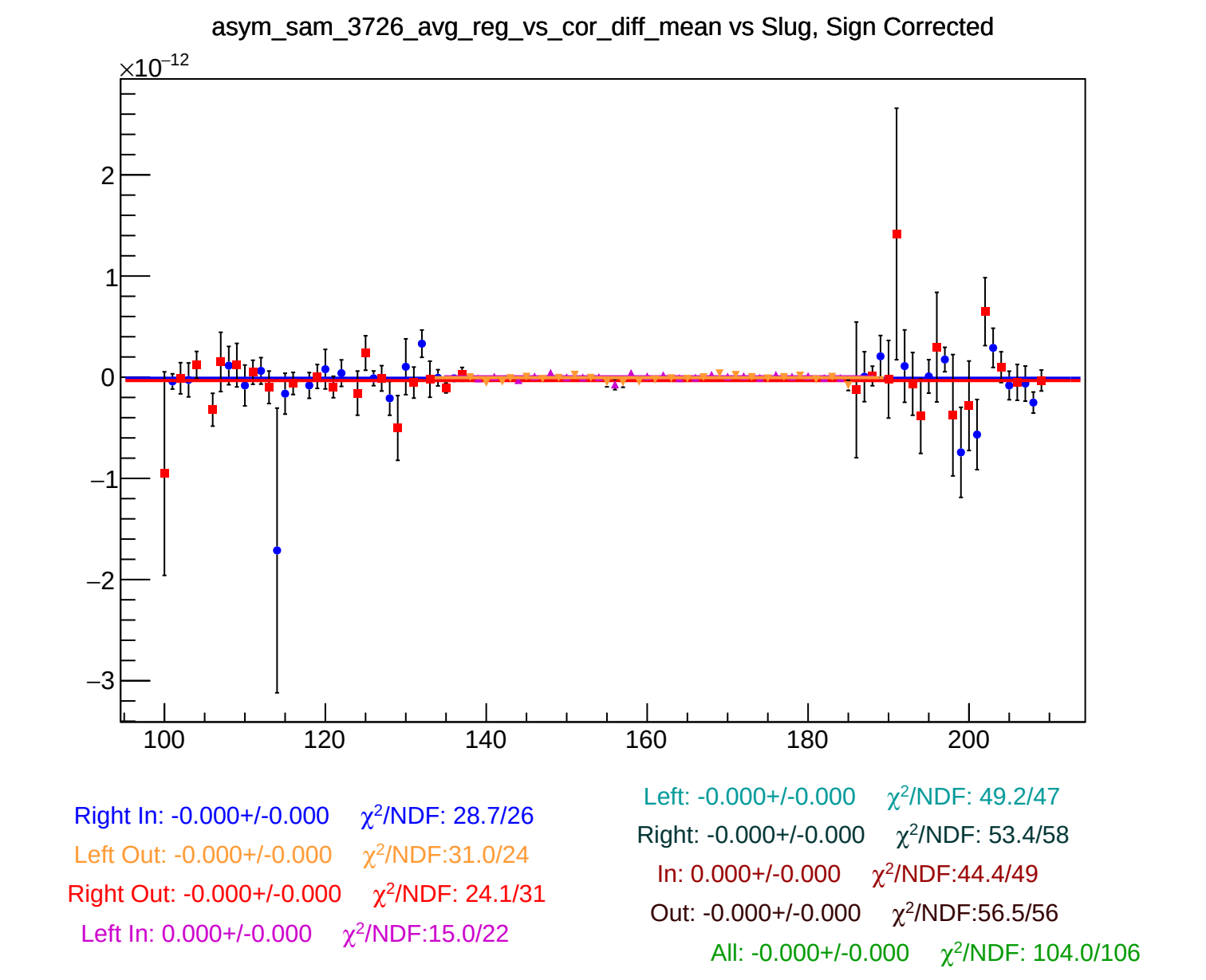
Left: 483.164+/-0.058 χ^2/NDF: 4735459.6/47

Right: 1399.990+/-0.181 χ^2/NDF: 6102439.1/58

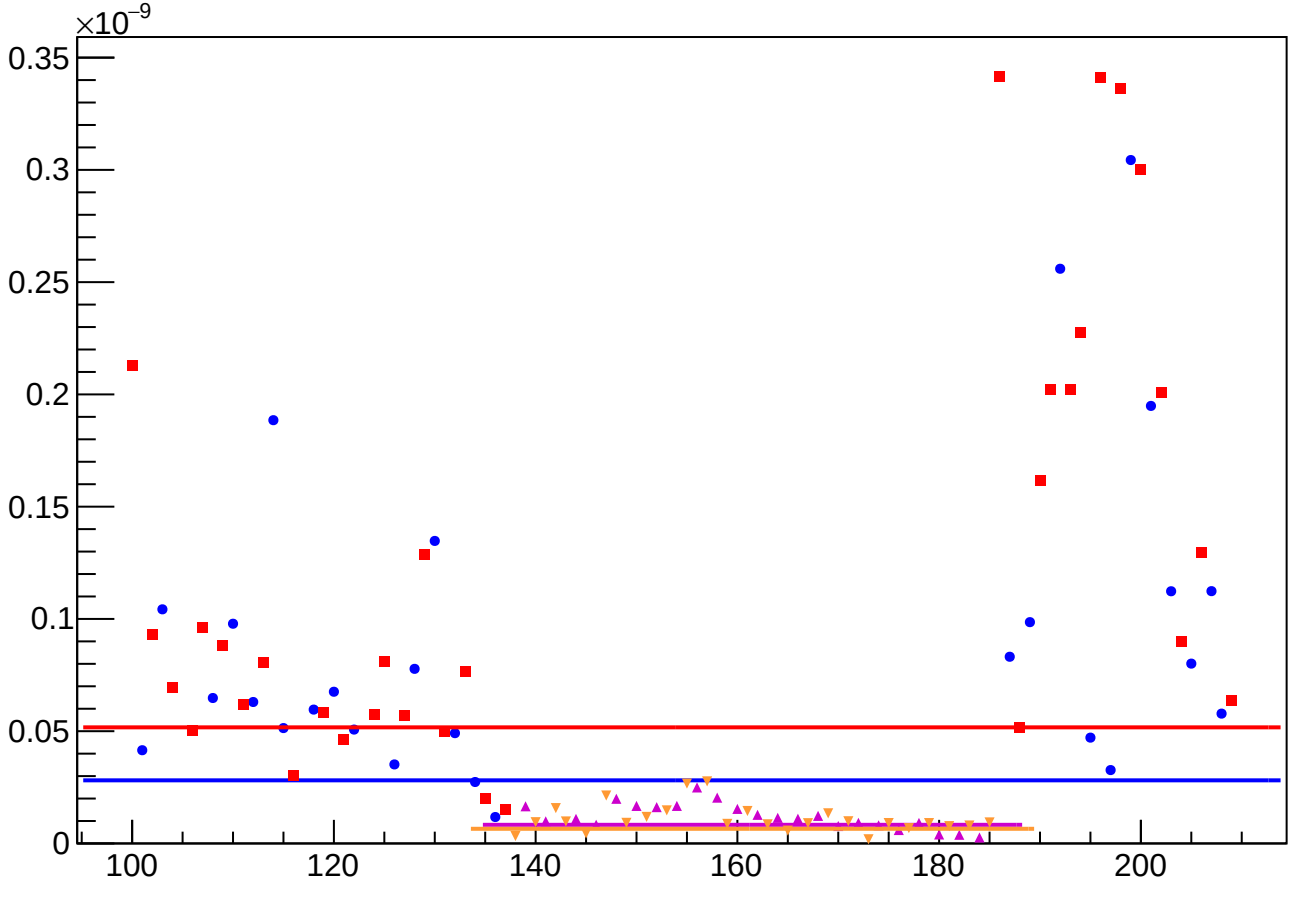
In: 565.358+/-0.078 χ^2/NDF:15705144.0/49

Out: 569.784+/-0.077 χ^2/NDF:18341043.8/56

All: 567.604+/-0.055 χ^2/NDF: 34047804.4/10


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
Right In: -0.000+/-0.000 χ²/NDF: 28.7/26
Left Out: -0.000+/-0.000 χ²/NDF:31.0/24
Right Out: -0.000+/-0.000 χ²/NDF: 24.1/31
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: 53.4/58
In: 0.000+/-0.000 χ²/NDF:44.4/49
Out: -0.000+/-0.000 χ²/NDF:56.5/56
All: -0.000+/-0.000 χ²/NDF: 104.0/106

asym_sam_3726_avg_reg_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 6751917.6/26

Left Out: 0.000+/-0.000 χ^2/NDF:3737127.3/24

Right Out: 0.000+/-0.000 χ^2/NDF: 6218548.3/31

Left In: 0.000+/-0.000 χ^2/NDF:2799238.8/22

Left: 0.000+/-0.000 χ^2/NDF: 6795469.8/47

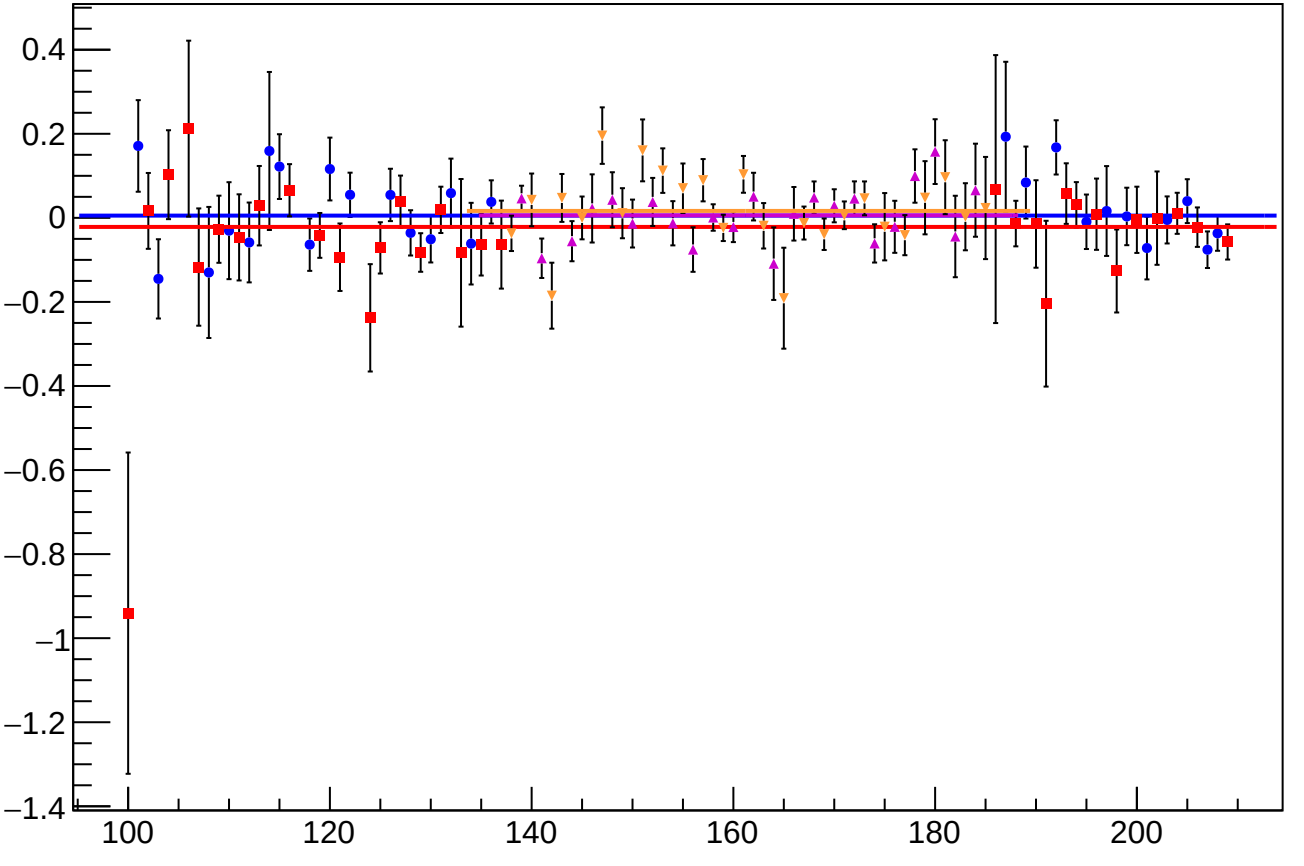
Right: 0.000+/-0.000 χ^2/NDF: 14260524.7/58

In: 0.000+/-0.000 χ^2/NDF:12304326.1/49

Out: 0.000+/-0.000 χ^2/NDF:16732370.5/56

All: 0.000+/-0.000 χ^2/NDF: 29382783.2/106

asym_sam_3726_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.005+/-0.013 χ^2/NDF: 31.3/26

Left Out: 0.016+/-0.010 χ^2/NDF:41.1/24

Right Out: -0.022+/-0.013 χ^2/NDF: 25.3/31

Left In: 0.006+/-0.010 χ^2/NDF:26.0/22

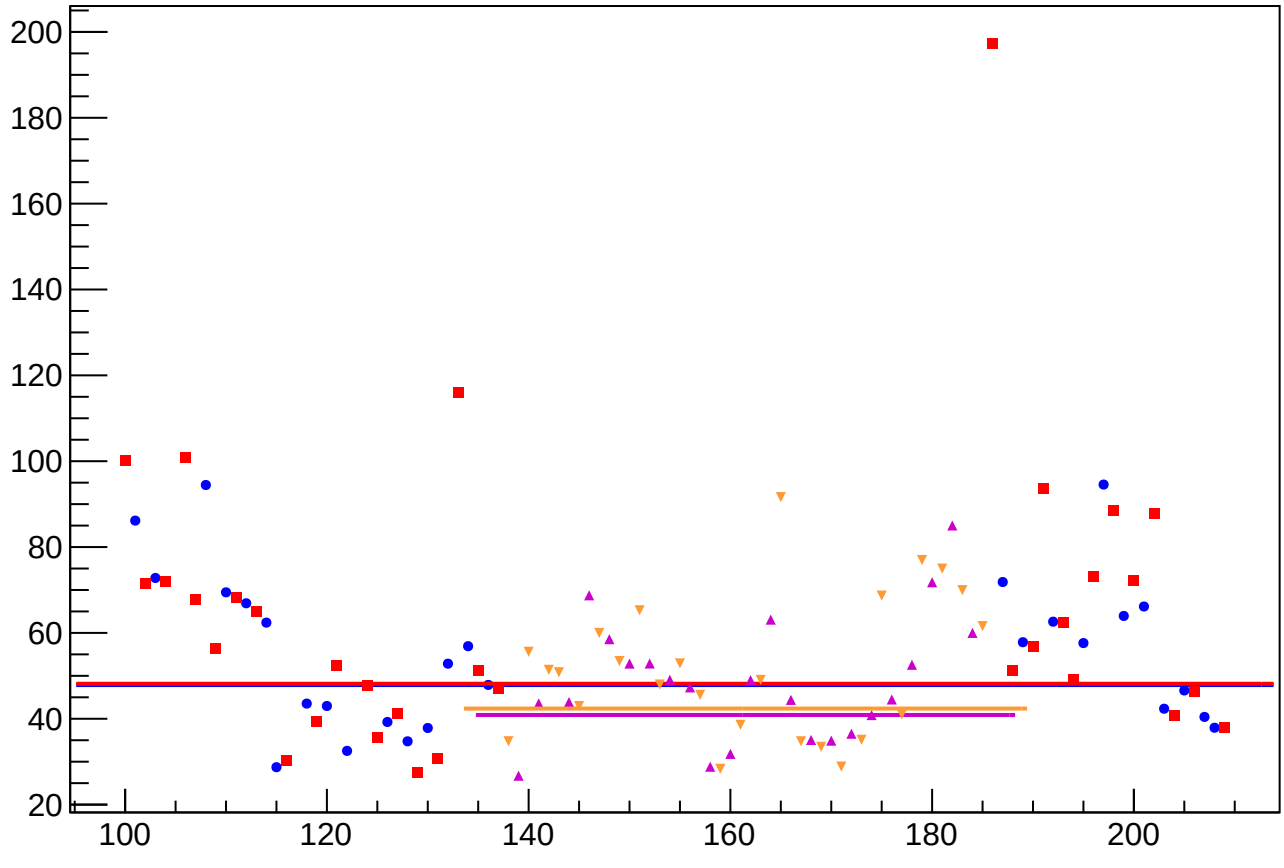
Left: 0.011+/-0.007 χ^2/NDF: 67.5/47

Right: -0.008+/-0.009 χ^2/NDF: 58.9/58

In: 0.006+/-0.008 χ^2/NDF:57.3/49

Out: 0.002+/-0.008 χ^2/NDF:71.7/56

All: 0.004+/-0.006 χ^2/NDF: 129.2/106



Right In: 47.851+/-0.009 χ^2/NDF: 2305942.1/26

Left Out: 42.375+/-0.007 χ^2/NDF:3190972.5/24

Right Out: 48.154+/-0.009 χ^2/NDF: 3602331.1/31

Left In: 40.881+/-0.007 χ^2/NDF:2678327.2/22

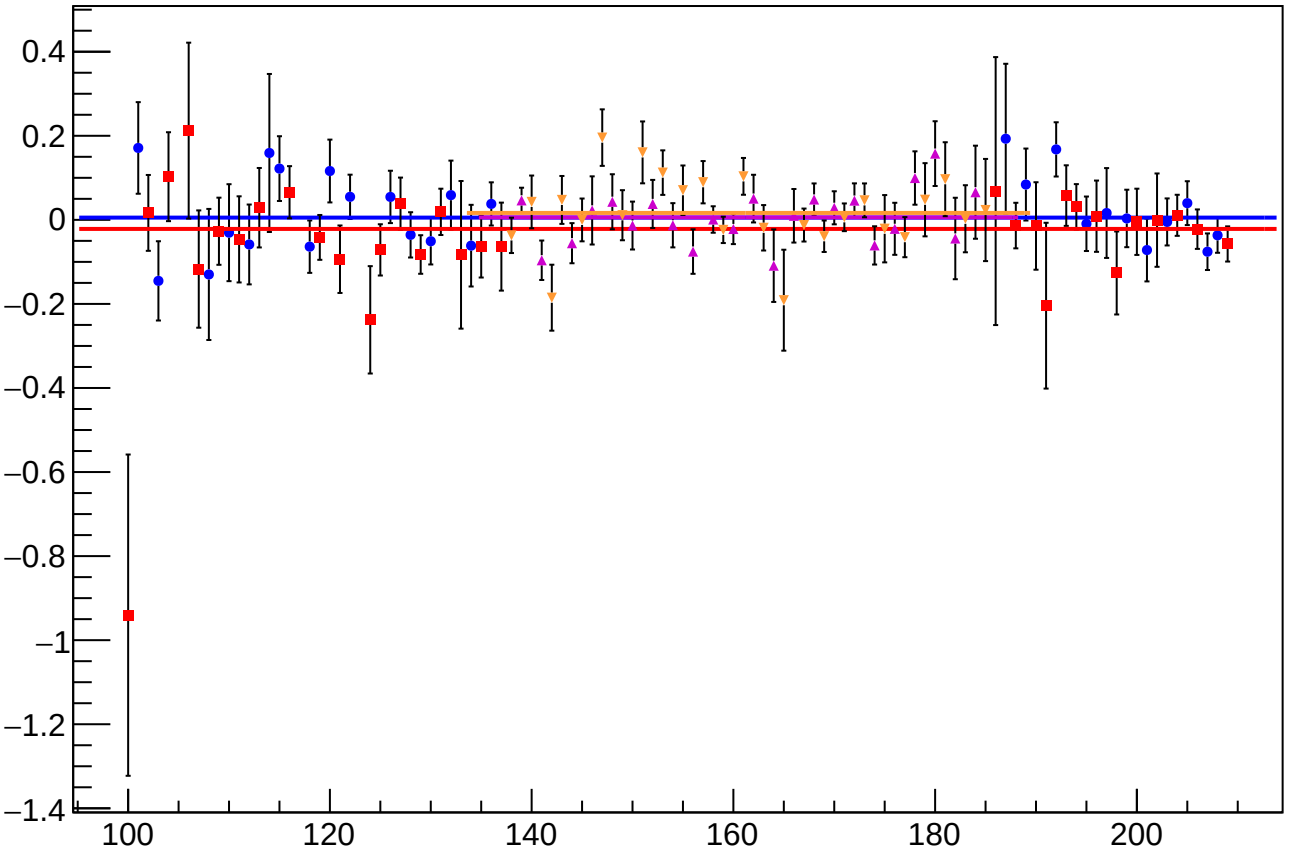
Left: 41.623+/-0.005 χ^2/NDF: 5890281.6/47

Right: 48.005+/-0.006 χ^2/NDF: 5908821.3/58

In: 43.558+/-0.006 χ^2/NDF:5337320.5/49

Out: 44.648+/-0.006 χ^2/NDF:7038718.5/56

All: 44.104+/-0.004 χ^2/NDF: 12394326.8/106



Right In: 0.005+/-0.013 χ^2/NDF: 31.3/26

Left Out: 0.016+/-0.010 χ^2/NDF:41.1/24

Right Out: -0.022+/-0.013 χ^2/NDF: 25.3/31

Left In: 0.006+/-0.010 χ^2/NDF:26.0/22

Left: 0.011+/-0.007 χ^2/NDF: 67.5/47

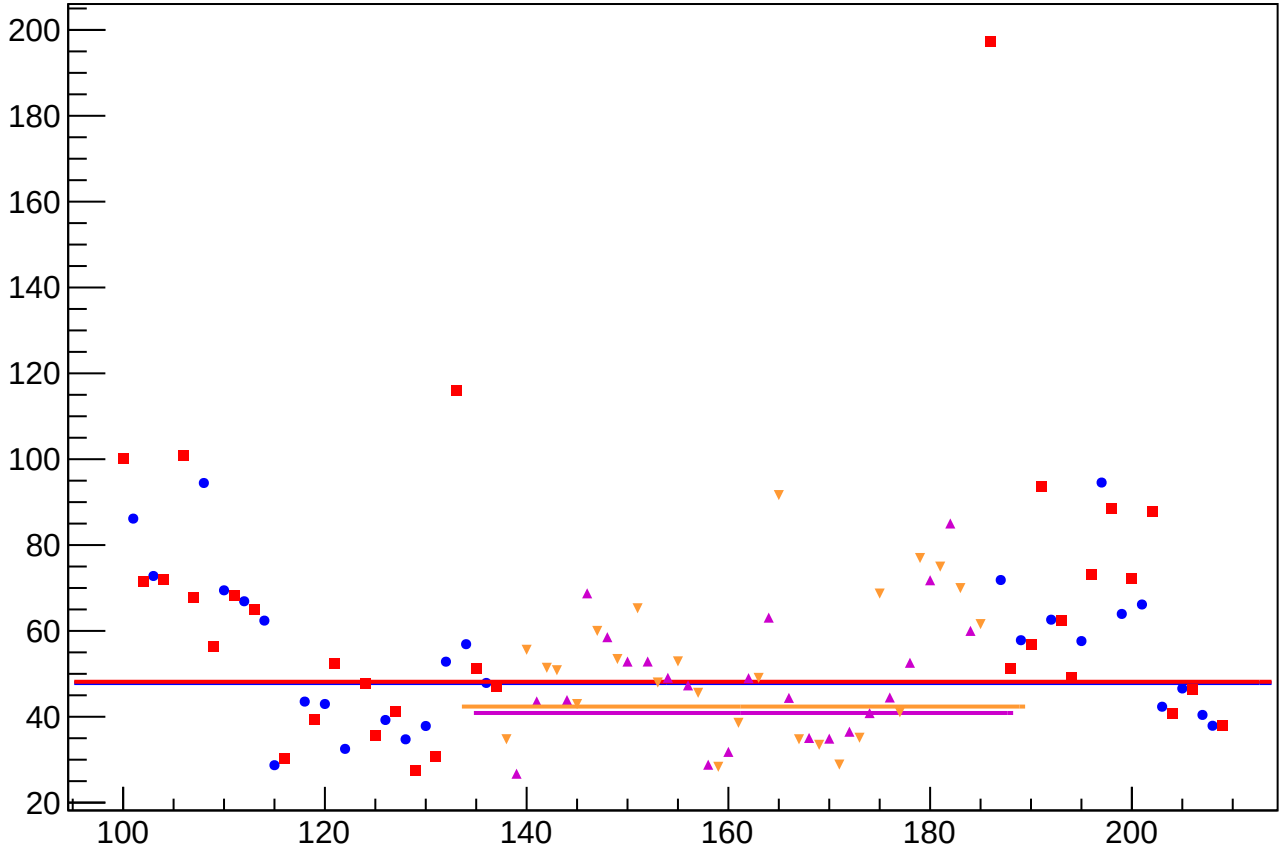
Right: -0.008+/-0.009 χ^2/NDF: 58.9/58

In: 0.006+/-0.008 χ^2/NDF:57.3/49

Out: 0.002+/-0.008 χ^2/NDF:71.7/56

All: 0.004+/-0.006 χ^2/NDF: 129.2/106

asym_sam_3726_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 47.851+/-0.009 χ^2/NDF: 2305942.1/26

Left Out: 42.375+/-0.007 χ^2/NDF:3190972.5/24

Right Out: 48.154+/-0.009 χ^2/NDF: 3602331.1/31

Left In: 40.881+/-0.007 χ^2/NDF:2678327.2/22

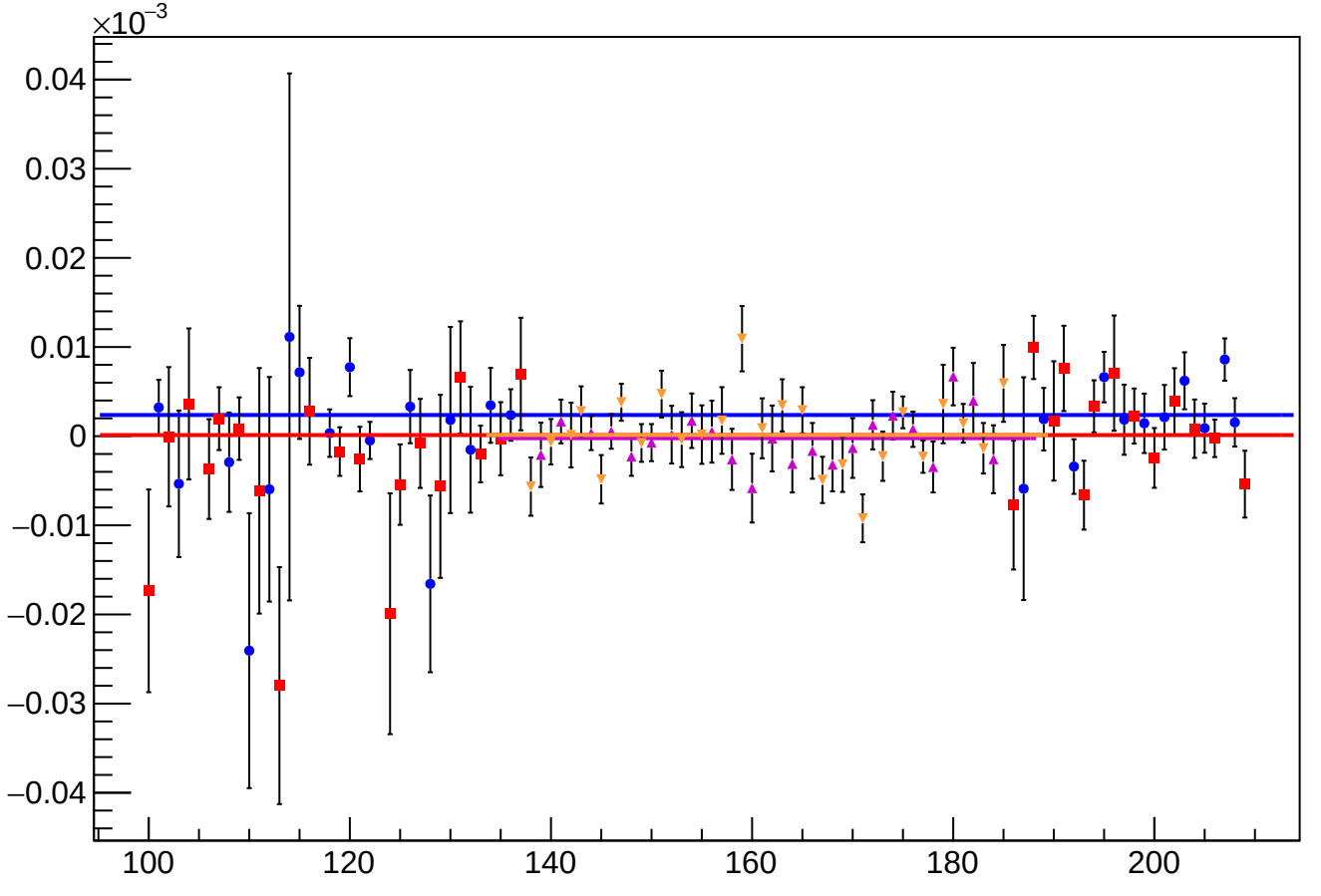
Left: 41.623+/-0.005 χ^2/NDF: 5890281.6/47

Right: 48.005+/-0.006 χ^2/NDF: 5908821.3/58

In: 43.558+/-0.006 χ^2/NDF:5337320.5/49

Out: 44.648+/-0.006 χ^2/NDF:7038718.5/56

All: 44.104+/-0.004 χ^2/NDF: 12394326.8/106



Right In: 0.000+/-0.000 χ^2/NDF: 30.1/26

Left Out: 0.000+/-0.000 χ^2/NDF:49.9/24

Right Out: 0.000+/-0.000 χ^2/NDF: 37.1/31

Left In: -0.000+/-0.000 χ^2/NDF:15.8/22

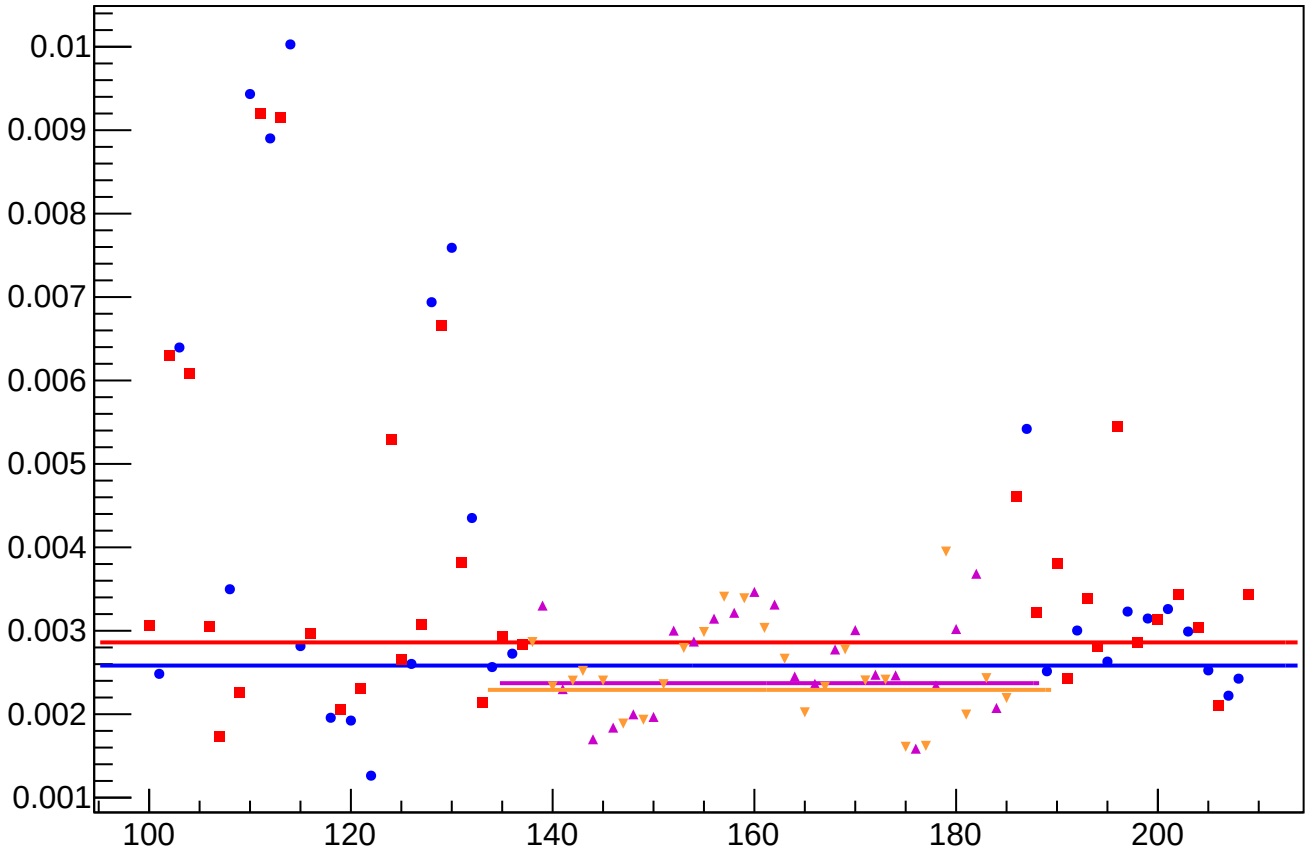
Left: -0.000+/-0.000 χ^2/NDF: 66.0/47

Right: 0.000+/-0.000 χ^2/NDF: 72.0/58

In: 0.000+/-0.000 χ^2/NDF:54.1/49

Out: 0.000+/-0.000 χ^2/NDF:87.0/56

All: 0.000+/-0.000 χ^2/NDF: 142.3/106



Right In: 0.003+/-0.000 χ^2/NDF: 3893479.9/26

Left Out: 0.002+/-0.000 χ^2/NDF:1818891.6/24

Right Out: 0.003+/-0.000 χ^2/NDF: 3457185.6/31

Left In: 0.002+/-0.000 χ^2/NDF:2020314.6/22

Left: 0.002+/-0.000 χ^2/NDF: 3859926.5/47

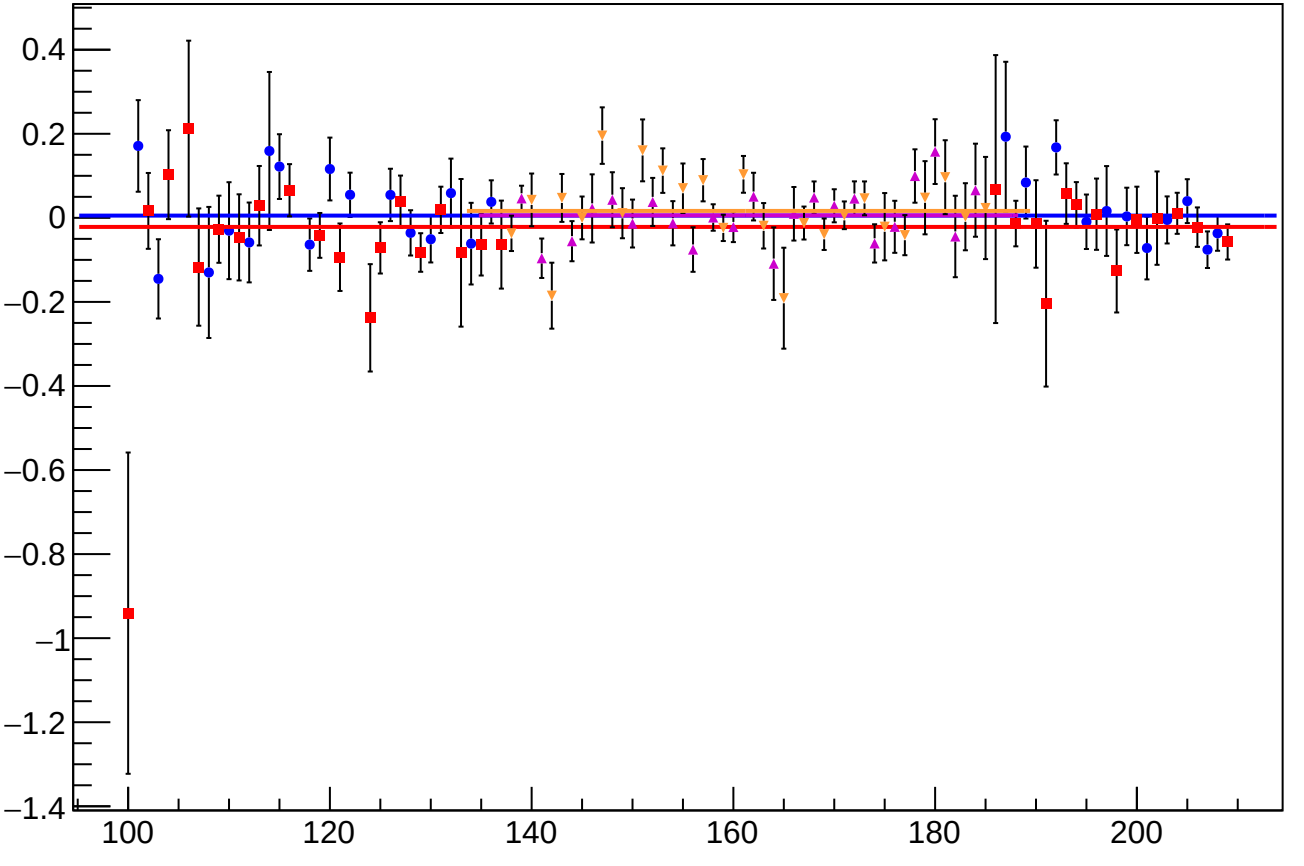
Right: 0.003+/-0.000 χ^2/NDF: 7498115.1/58

In: 0.002+/-0.000 χ^2/NDF:6021161.0/49

Out: 0.002+/-0.000 χ^2/NDF:6049627.1/56

All: 0.002+/-0.000 χ^2/NDF: 12075710.8/106

asym_sam_3726_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.005+/-0.013 χ^2/NDF: 31.3/26

Left Out: 0.016+/-0.010 χ^2/NDF:41.1/24

Right Out: -0.022+/-0.013 χ^2/NDF: 25.3/31

Left In: 0.006+/-0.010 χ^2/NDF:26.0/22

Left: 0.011+/-0.007 χ^2/NDF: 67.5/47

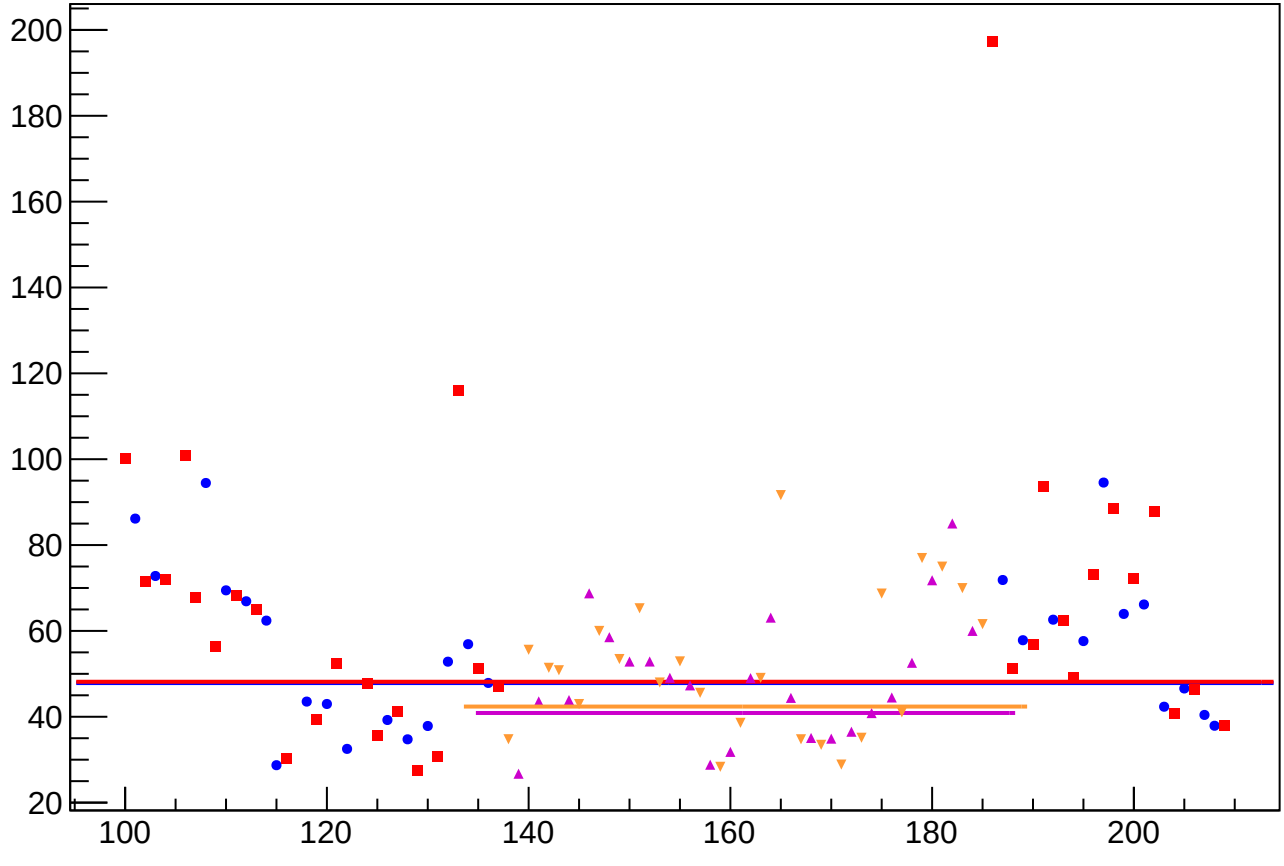
Right: -0.008+/-0.009 χ^2/NDF: 58.9/58

In: 0.006+/-0.008 χ^2/NDF:57.3/49

Out: 0.002+/-0.008 χ^2/NDF:71.7/56

All: 0.004+/-0.006 χ^2/NDF: 129.2/106

asym_sam_3726_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 47.851+/-0.009 χ^2/NDF: 2305903.6/26

Left Out: 42.375+/-0.007 χ^2/NDF:3190999.9/24

Right Out: 48.154+/-0.009 χ^2/NDF: 3602243.5/31

Left In: 40.881+/-0.007 χ^2/NDF:2678344.3/22

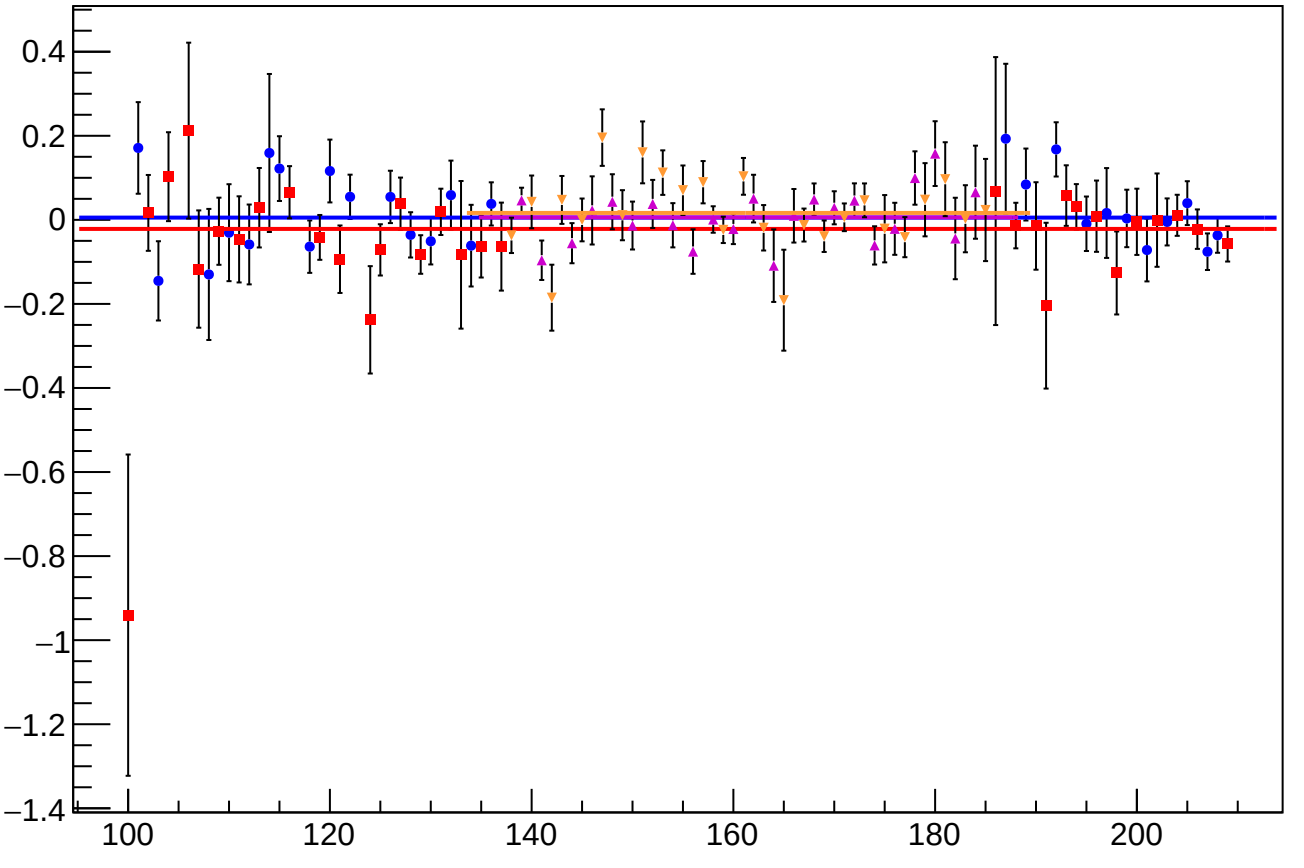
Left: 41.623+/-0.005 χ^2/NDF: 5890324.4/47

Right: 48.005+/-0.006 χ^2/NDF: 5908696.2/58

In: 43.558+/-0.006 χ^2/NDF:5337255.1/49

Out: 44.649+/-0.006 χ^2/NDF:7038646.5/56

All: 44.104+/-0.004 χ^2/NDF: 12394190.7/106



Right In: 0.005+/-0.013 χ^2/NDF: 31.3/26

Left Out: 0.016+/-0.010 χ^2/NDF:41.1/24

Right Out: -0.022+/-0.013 χ^2/NDF: 25.3/31

Left In: 0.006+/-0.010 χ^2/NDF:26.0/22

Left: 0.011+/-0.007 χ^2/NDF: 67.5/47

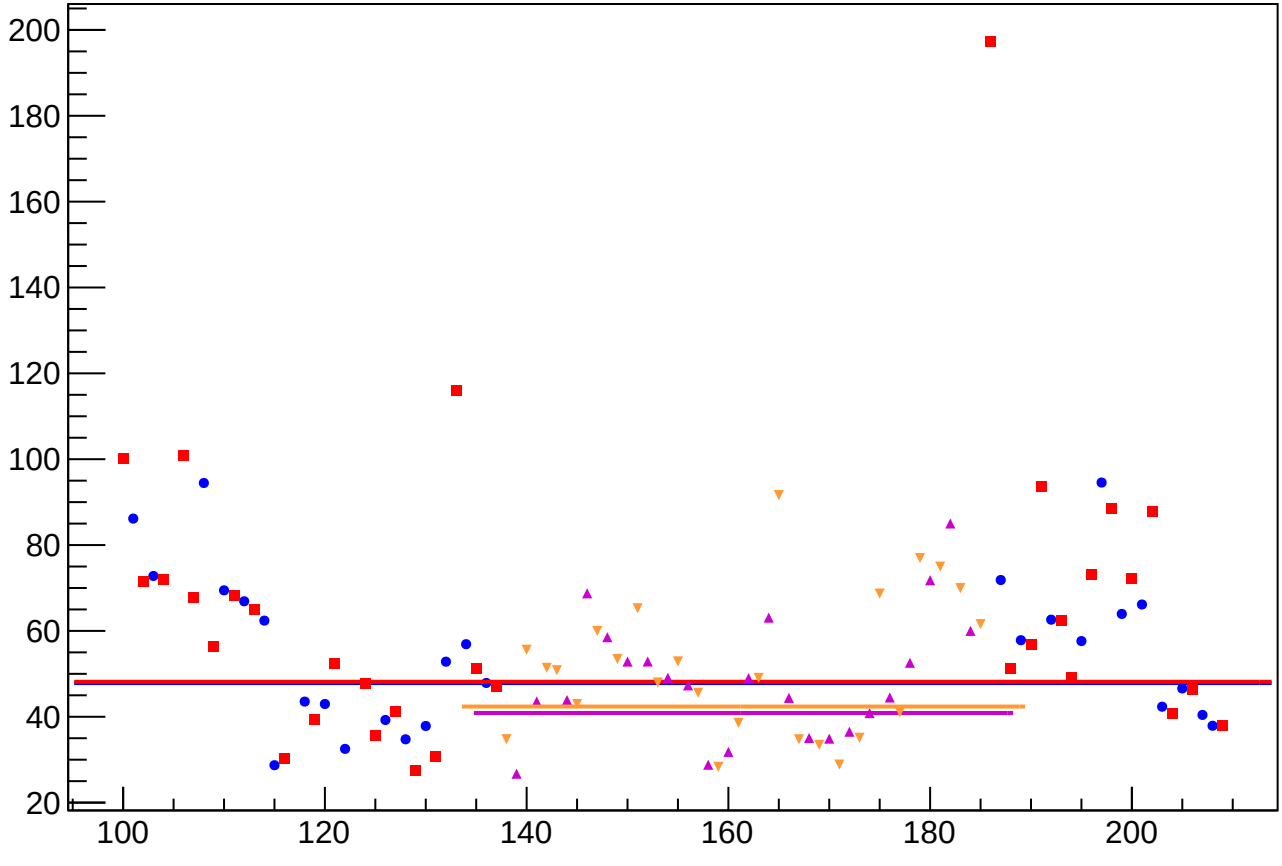
Right: -0.008+/-0.009 χ^2/NDF: 58.9/58

In: 0.006+/-0.008 χ^2/NDF:57.3/49

Out: 0.002+/-0.008 χ^2/NDF:71.7/56

All: 0.004+/-0.006 χ^2/NDF: 129.2/106

asym_sam_3726_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 47.851+/-0.009 χ^2/NDF: 2305903.6/26

Left Out: 42.375+/-0.007 χ^2/NDF:3190999.9/24

Right Out: 48.154+/-0.009 χ^2/NDF: 3602243.5/31

Left In: 40.881+/-0.007 χ^2/NDF:2678344.3/22

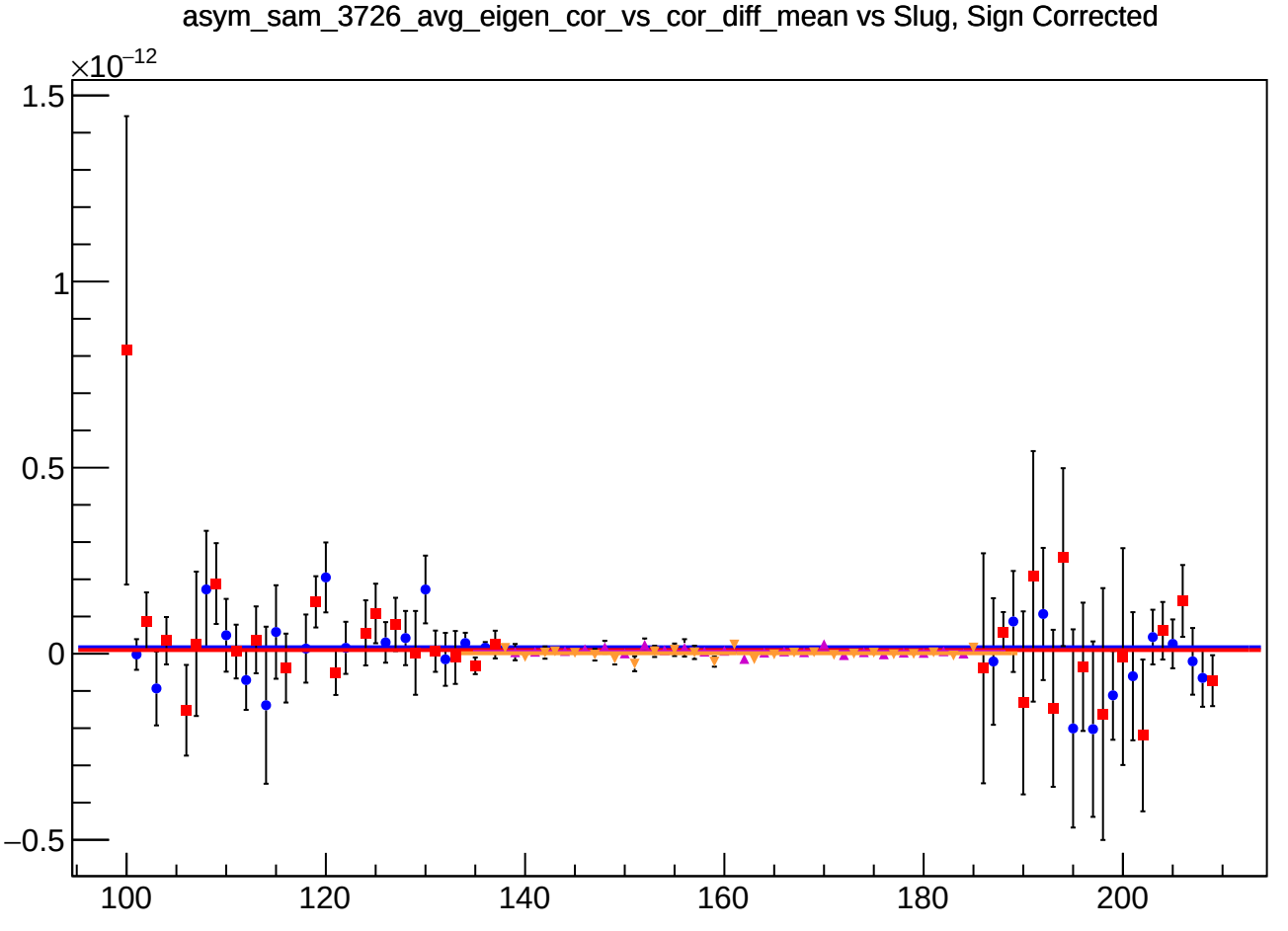
Left: 41.623+/-0.005 χ^2/NDF: 5890324.4/47

Right: 48.005+/-0.006 χ^2/NDF: 5908696.2/58

In: 43.558+/-0.006 χ^2/NDF:5337255.1/49

Out: 44.649+/-0.006 χ^2/NDF:7038646.5/56

All: 44.104+/-0.004 χ^2/NDF: 12394190.7/106



Right In: 0.000+/-0.000 χ^2/NDF: 16.8/26

Left Out: 0.000+/-0.000 χ^2/NDF:19.7/24

Right Out: 0.000+/-0.000 χ^2/NDF: 27.2/31

Left In: 0.000+/-0.000 χ^2/NDF:13.2/22

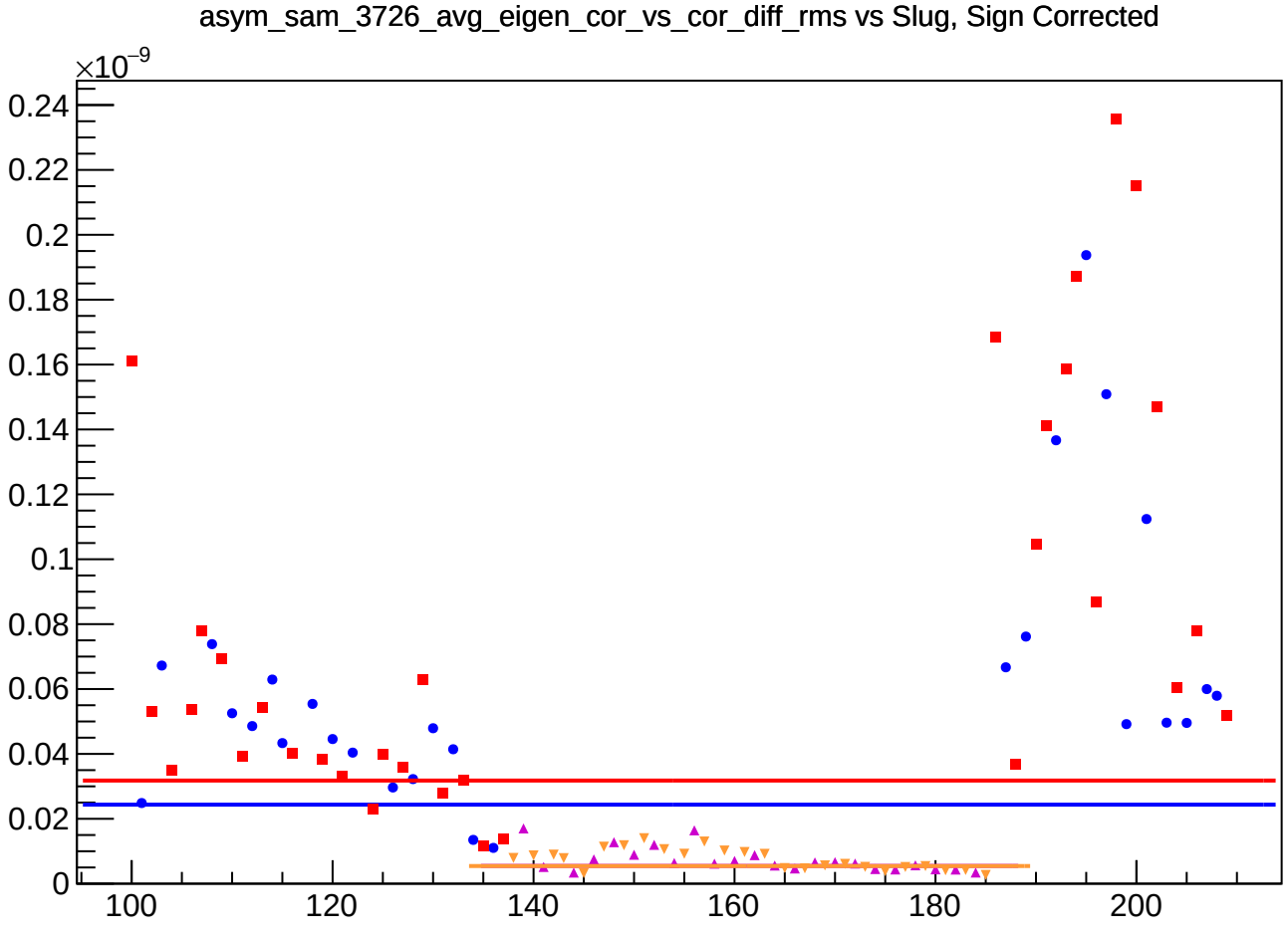
Left: 0.000+/-0.000 χ^2/NDF: 35.1/47

Right: 0.000+/-0.000 χ^2/NDF: 44.2/58

In: 0.000+/-0.000 χ^2/NDF:31.3/49

Out: 0.000+/-0.000 χ^2/NDF:47.3/56

All: 0.000+/-0.000 χ^2/NDF: 81.1/106



Right In: 0.000+/-0.000 χ^2/NDF: 8029782.7/26

Left Out: 0.000+/-0.000 χ^2/NDF:3789045.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 8750523.0/31

Left In: 0.000+/-0.000 χ^2/NDF:2801443.3/22

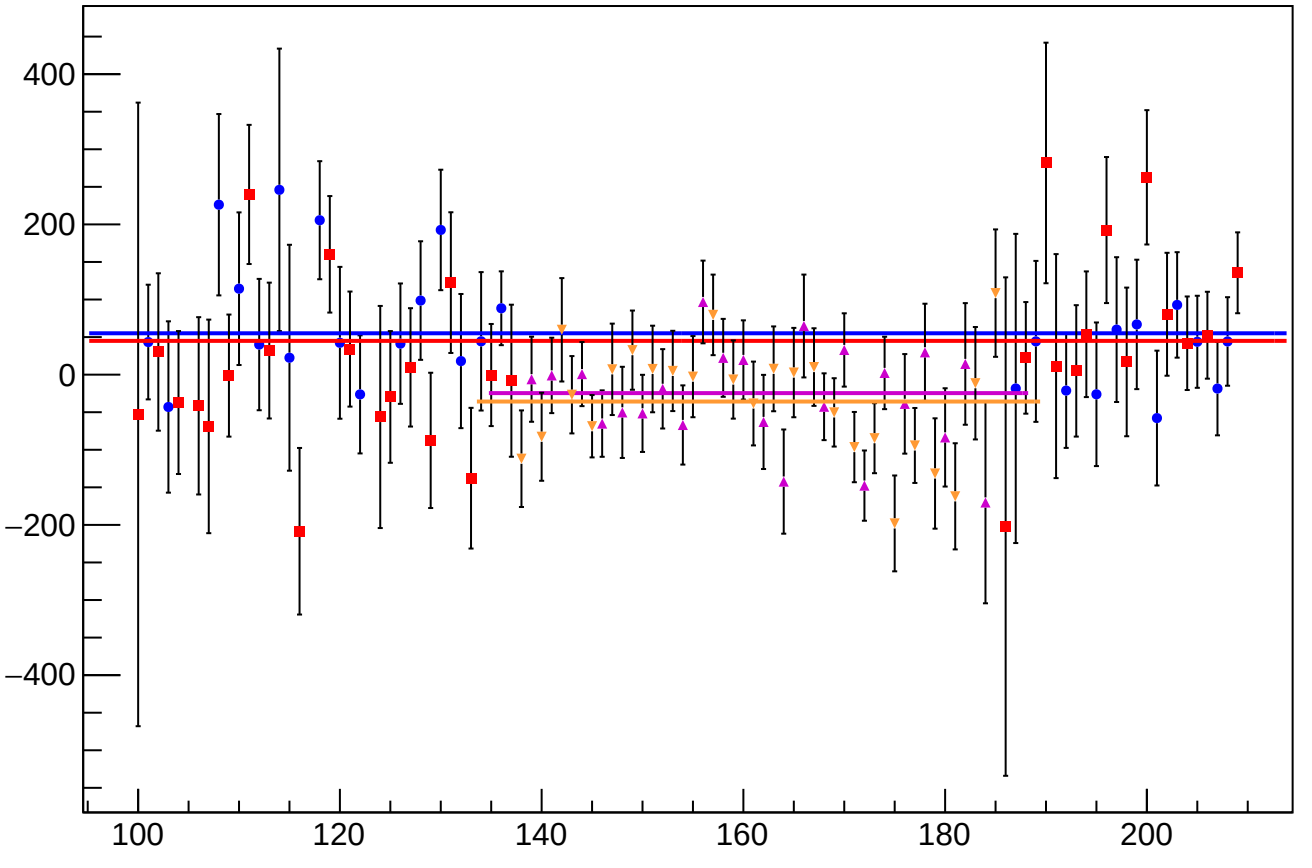
Left: 0.000+/-0.000 χ^2/NDF: 6590870.1/47

Right: 0.000+/-0.000 χ^2/NDF: 17189448.6/58

In: 0.000+/-0.000 χ^2/NDF:17042776.8/49

Out: 0.000+/-0.000 χ^2/NDF:21120232.9/56

All: 0.000+/-0.000 χ^2/NDF: 38164715.4/106



Right In: 55.074+/-15.927 χ^2/NDF: 18.1/26

Left Out: -35.787+/-11.119 χ^2/NDF:33.7/24

Right Out: 44.963+/-15.670 χ^2/NDF: 37.5/31

Left In: -24.572+/-11.471 χ^2/NDF:25.7/22

Left: -30.354+/-7.984 χ^2/NDF: 59.9/47

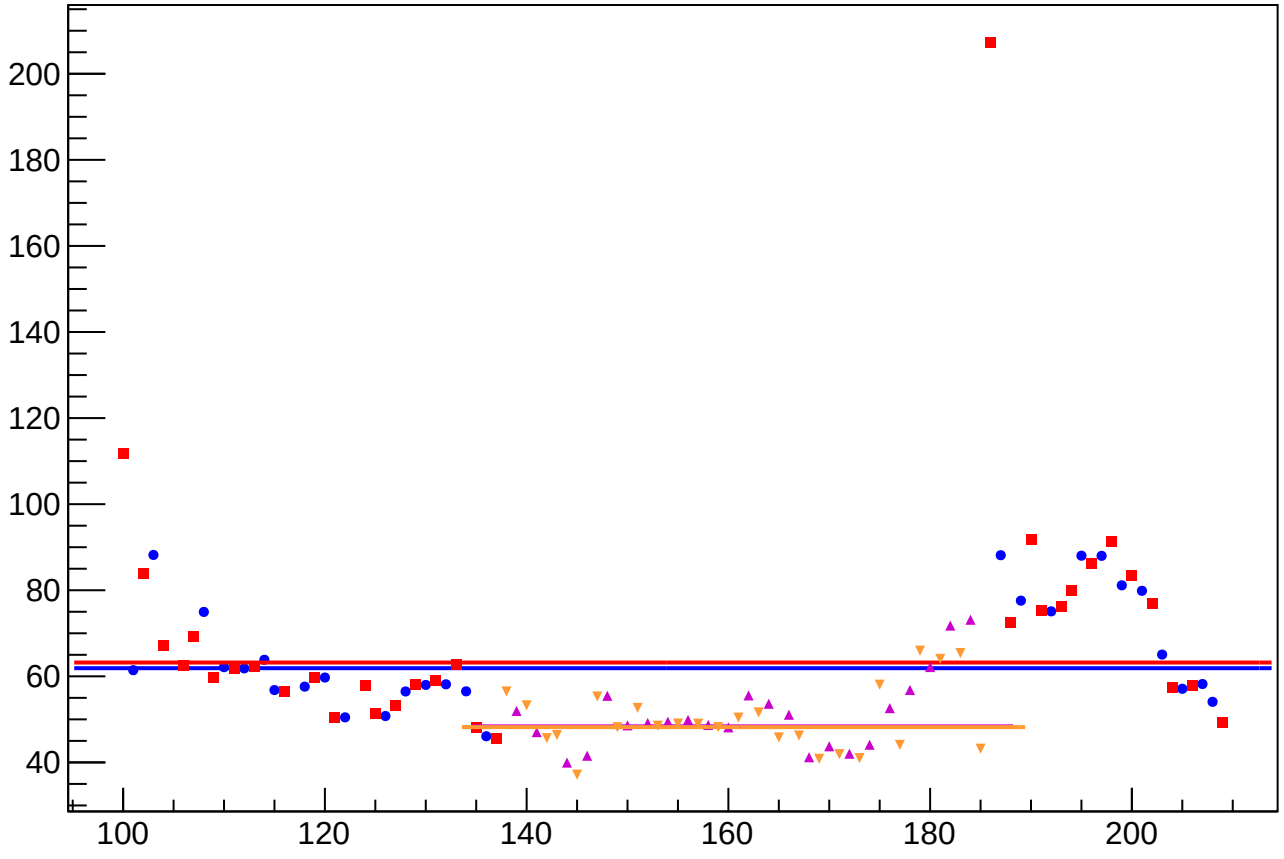
Right: 49.936+/-11.170 χ^2/NDF: 55.8/58

In: 2.632+/-9.308 χ^2/NDF:60.3/49

Out: -8.745+/-9.068 χ^2/NDF:88.8/56

All: -3.205+/-6.495 χ^2/NDF: 149.9/106

reg_asym_sam_15_48_dd_rms vs Slug, Sign Corrected



Right In: 61.891+/-0.011 χ^2/NDF: 1121741.5/26

Left Out: 48.198+/-0.008 χ^2/NDF:780285.2/24

Right Out: 63.204+/-0.011 χ^2/NDF: 1633967.6/31

Left In: 48.381+/-0.008 χ^2/NDF:695381.8/22

Left: 48.287+/-0.006 χ^2/NDF: 1475927.4/47

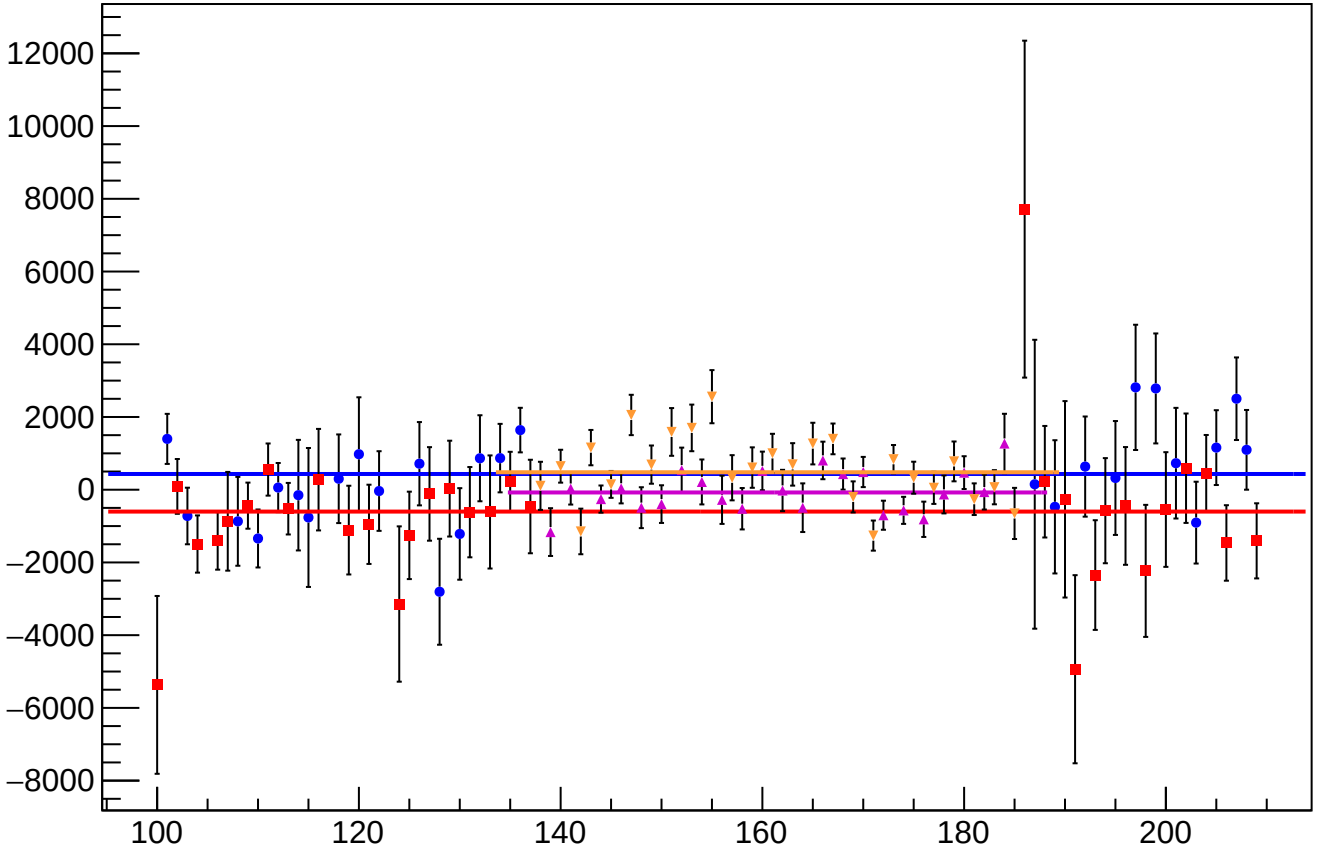
Right: 62.558+/-0.008 χ^2/NDF: 2762624.3/58

In: 52.995+/-0.007 χ^2/NDF:2764693.9/49

Out: 53.224+/-0.006 χ^2/NDF:3634100.8/56

All: 53.112+/-0.005 χ^2/NDF: 6399413.5/106

asym_sam_15_48_dd_reg_correction_mean vs Slug, Sign Corrected



Right In: 432.478+/-208.373 χ^2/NDF: 32.6/26

Left Out: 480.215+/-100.526 χ^2/NDF:69.2/24

Right Out: -601.261+/-198.620 χ^2/NDF: 24.9/31

Left In: -75.662+/-103.128 χ^2/NDF:24.5/22

Left: 209.379+/-71.985 χ^2/NDF: 108.6/47

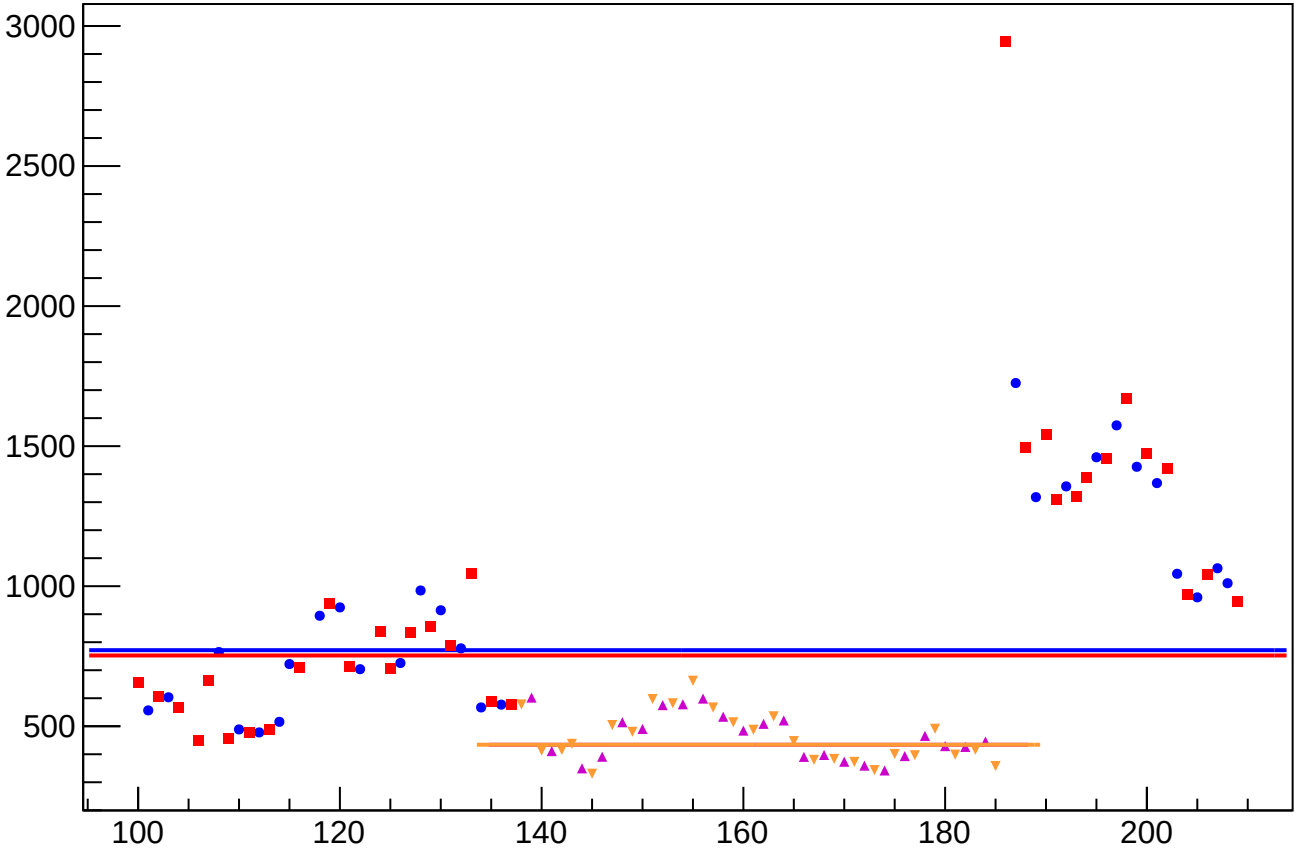
Right: -109.149+/-143.770 χ^2/NDF: 70.4/58

In: 24.316+/-92.428 χ^2/NDF:61.8/49

Out: 259.678+/-89.692 χ^2/NDF:117.7/56

All: 145.532+/-64.367 χ^2/NDF: 182.9/106

asym_sam_15_48_dd_reg_correction_rms vs Slug, Sign Corrected



Right In: 771.490+/-0.147 χ^2/NDF: 3960451.2/26

Left Out: 433.945+/-0.071 χ^2/NDF:1243704.6/24

Right Out: 752.607+/-0.140 χ^2/NDF: 5633151.9/31

Left In: 433.722+/-0.073 χ^2/NDF:1094788.8/22

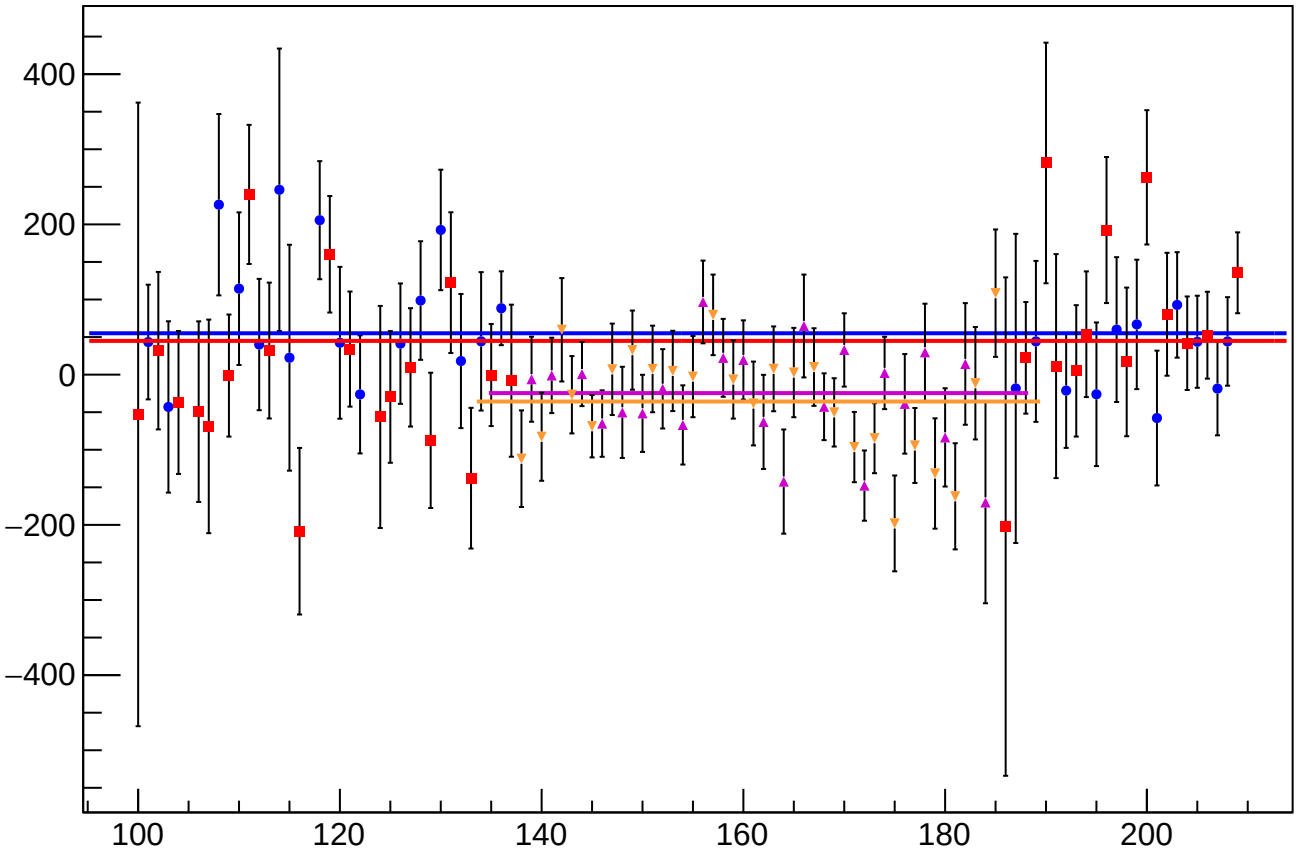
Left: 433.836+/-0.051 χ^2/NDF: 2338498.1/47

Right: 761.596+/-0.102 χ^2/NDF: 9602209.5/58

In: 500.179+/-0.065 χ^2/NDF:9276443.5/49

Out: 498.927+/-0.063 χ^2/NDF:10975121.2/56

All: 499.534+/-0.046 χ^2/NDF: 20251753.5/10



Right In: 55.078+/-15.927 χ^2/NDF: 18.1/26

Left Out: -35.792+/-11.119 χ^2/NDF:33.7/24

Right Out: 44.925+/-15.676 χ^2/NDF: 37.5/31

Left In: -24.573+/-11.471 χ^2/NDF:25.7/22

Left: -30.357+/-7.984 χ^2/NDF: 59.9/47

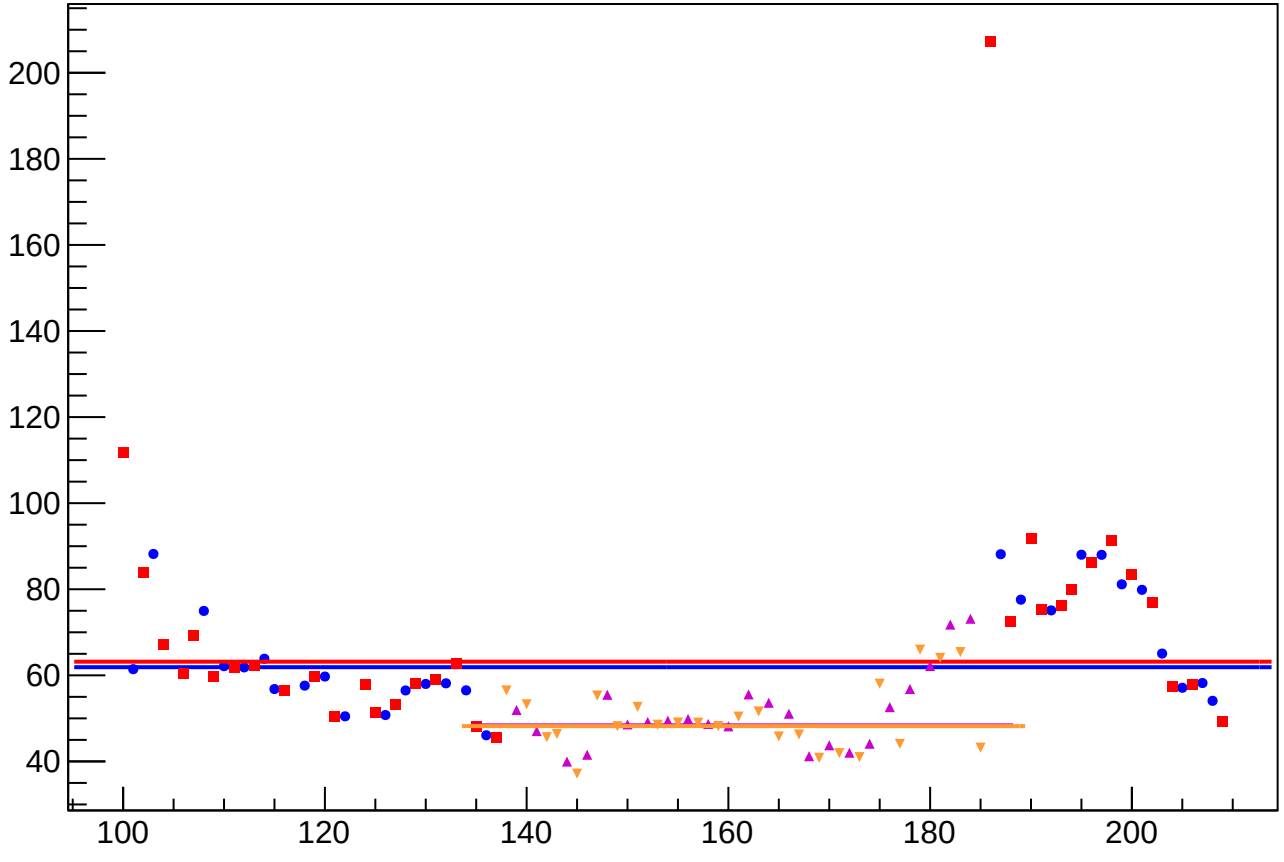
Right: 49.921+/-11.172 χ^2/NDF: 55.9/58

In: 2.633+/-9.308 χ^2/NDF:60.3/49

Out: -8.773+/-9.069 χ^2/NDF:88.9/56

All: -3.218+/-6.496 χ^2/NDF: 150.0/106

cor_asym_sam_15_48_dd_rms vs Slug, Sign Corrected



Right In: 61.891+/-0.011 χ^2/NDF: 1121744.9/26

Left Out: 48.198+/-0.008 χ^2/NDF:780285.2/24

Right Out: 63.171+/-0.011 χ^2/NDF: 1635158.5/31

Left In: 48.381+/-0.008 χ^2/NDF:695381.8/22

Left: 48.287+/-0.006 χ^2/NDF: 1475927.4/47

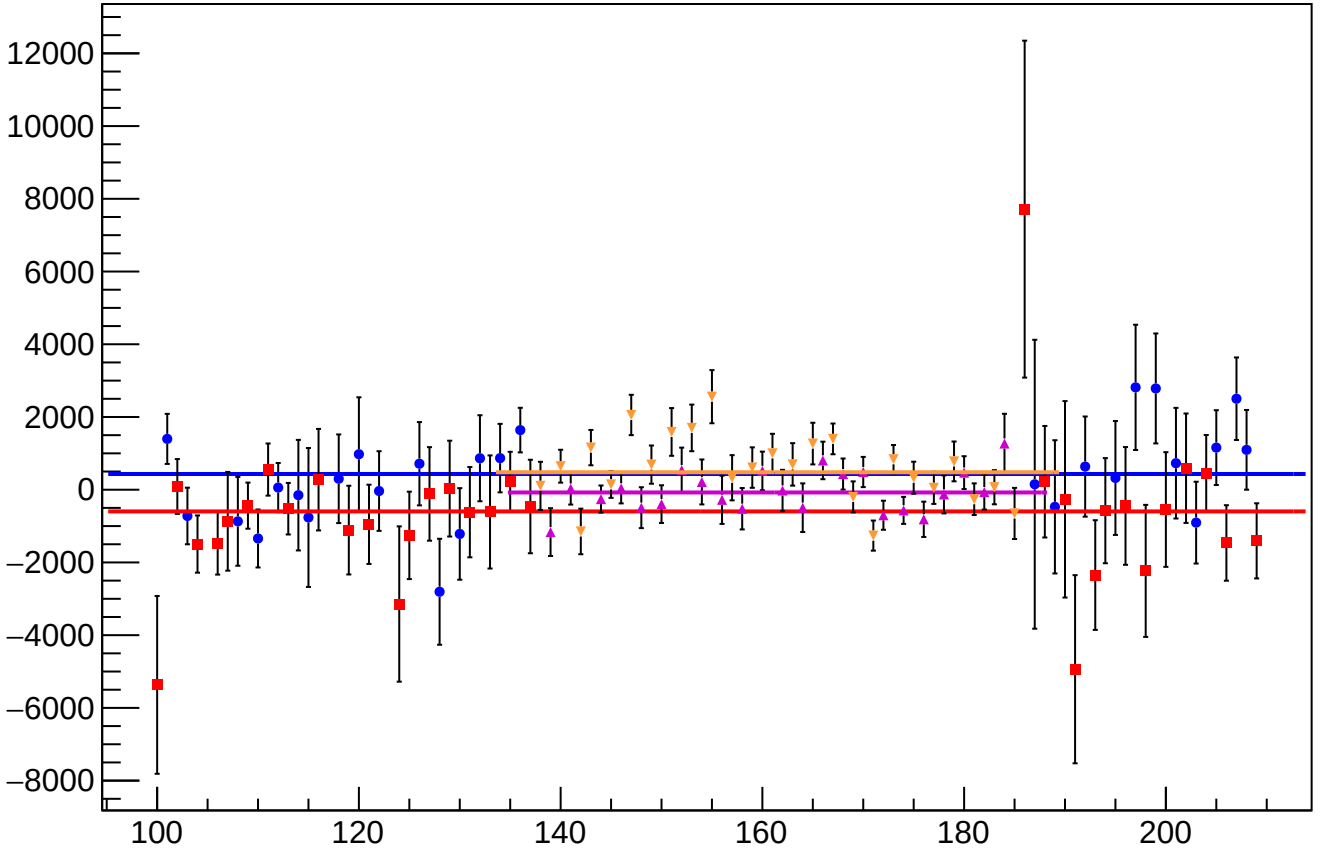
Right: 62.541+/-0.008 χ^2/NDF: 2763465.0/58

In: 52.995+/-0.007 χ^2/NDF:2764697.8/49

Out: 53.210+/-0.006 χ^2/NDF:3629266.2/56

All: 53.105+/-0.005 χ^2/NDF: 6394511.7/106

asym_sam_15_48_dd_cor_correction_mean vs Slug, Sign Corrected



Right In: 432.509+/-208.374 χ^2/NDF: 32.6/26

Left Out: 480.210+/-100.526 χ^2/NDF:69.2/24

Right Out: -596.770+/-199.627 χ^2/NDF: 24.9/31

Left In: -75.665+/-103.128 χ^2/NDF:24.5/22

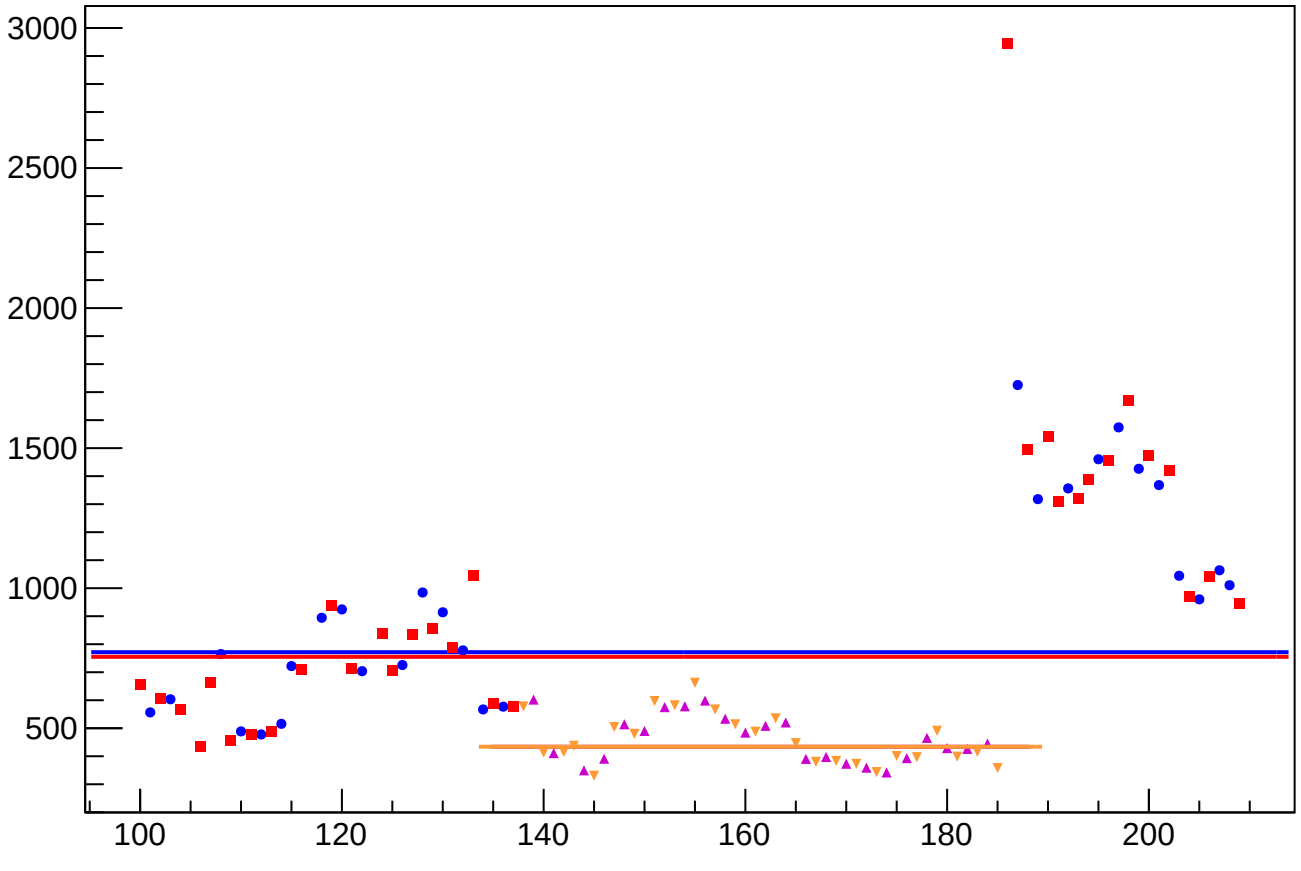
Left: 209.376+/-71.985 χ^2/NDF: 108.6/47

Right: -104.187+/-144.150 χ^2/NDF: 70.2/58

In: 24.319+/-92.428 χ^2/NDF:61.8/49

Out: 262.353+/-89.784 χ^2/NDF:117.3/56

All: 146.789+/-64.401 χ^2/NDF: 182.5/106



Right In: 771.495+/-0.147 χ^2/NDF: 3960386.4/26

Left Out: 433.945+/-0.071 χ^2/NDF:1243702.1/24

Right Out: 755.010+/-0.141 χ^2/NDF: 5607448.6/31

Left In: 433.722+/-0.073 χ^2/NDF:1094788.4/22

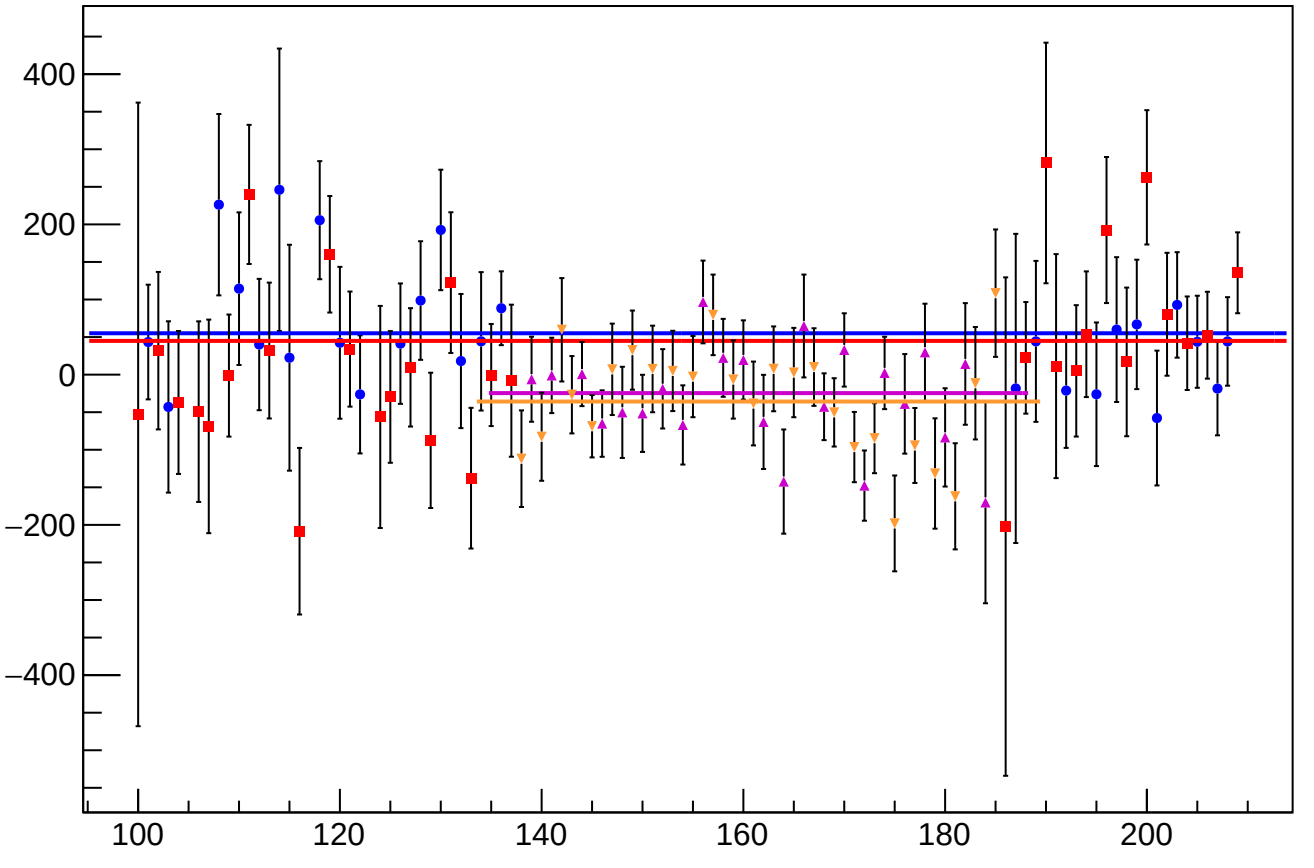
Left: 433.836+/-0.051 χ^2/NDF: 2338495.3/47

Right: 762.900+/-0.102 χ^2/NDF: 9574362.1/58

In: 500.180+/-0.065 χ^2/NDF:9276464.6/49

Out: 498.892+/-0.063 χ^2/NDF:10978083.6/56

All: 499.517+/-0.046 χ^2/NDF: 20254747.9/10



Right In: 55.078+/-15.927 χ^2/NDF: 18.1/26

Left Out: -35.792+/-11.119 χ^2/NDF:33.7/24

Right Out: 44.925+/-15.676 χ^2/NDF: 37.5/31

Left In: -24.573+/-11.471 χ^2/NDF:25.7/22

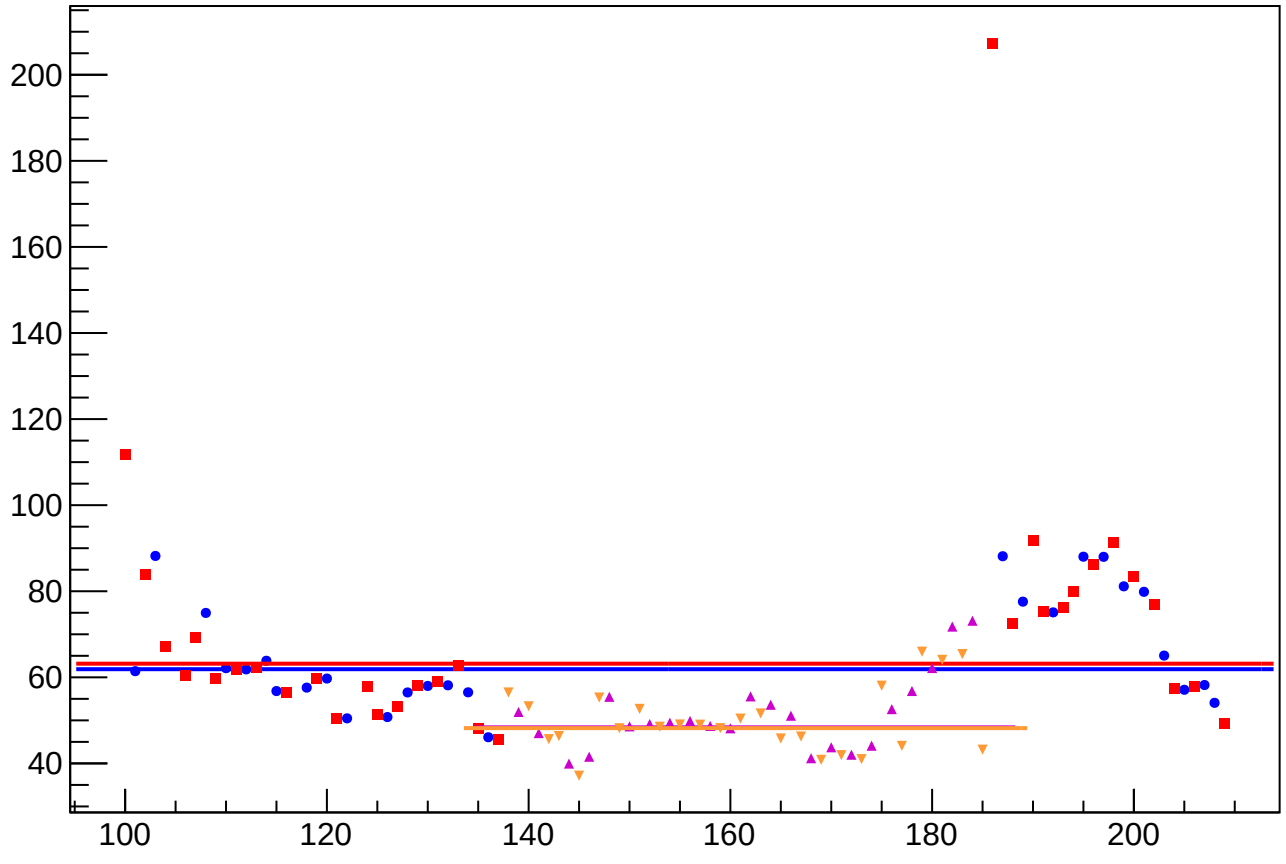
Left: -30.357+/-7.984 χ^2/NDF: 59.9/47

Right: 49.921+/-11.172 χ^2/NDF: 55.9/58

In: 2.633+/-9.308 χ^2/NDF:60.3/49

Out: -8.773+/-9.069 χ^2/NDF:88.9/56

All: -3.218+/-6.496 χ^2/NDF: 150.0/106



Right In: 61.891+/-0.011 χ^2/NDF: 1121744.9/26

Left Out: 48.198+/-0.008 χ^2/NDF:780285.2/24

Right Out: 63.171+/-0.011 χ^2/NDF: 1635158.5/31

Left In: 48.381+/-0.008 χ^2/NDF:695381.8/22

Left: 48.287+/-0.006 χ^2/NDF: 1475927.4/47

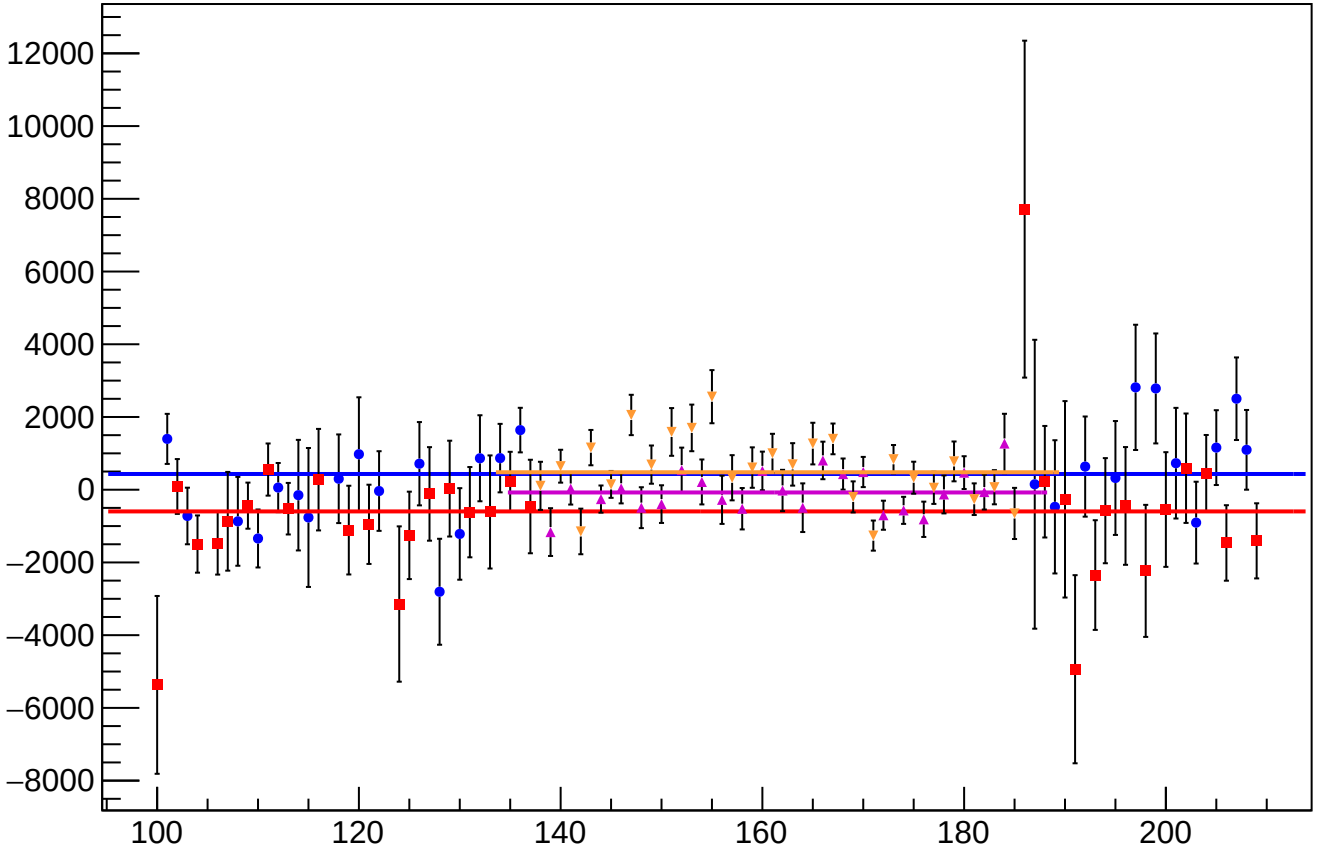
Right: 62.541+/-0.008 χ^2/NDF: 2763465.0/58

In: 52.995+/-0.007 χ^2/NDF:2764697.8/49

Out: 53.210+/-0.006 χ^2/NDF:3629266.2/56

All: 53.105+/-0.005 χ^2/NDF: 6394511.7/106

asym_sam_15_48_dd_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: 432.509+/-208.374 χ^2/NDF: 32.6/26

Left Out: 480.210+/-100.526 χ^2/NDF:69.2/24

Right Out: -596.770+/-199.627 χ^2/NDF: 24.9/31

Left In: -75.665+/-103.128 χ^2/NDF:24.5/22

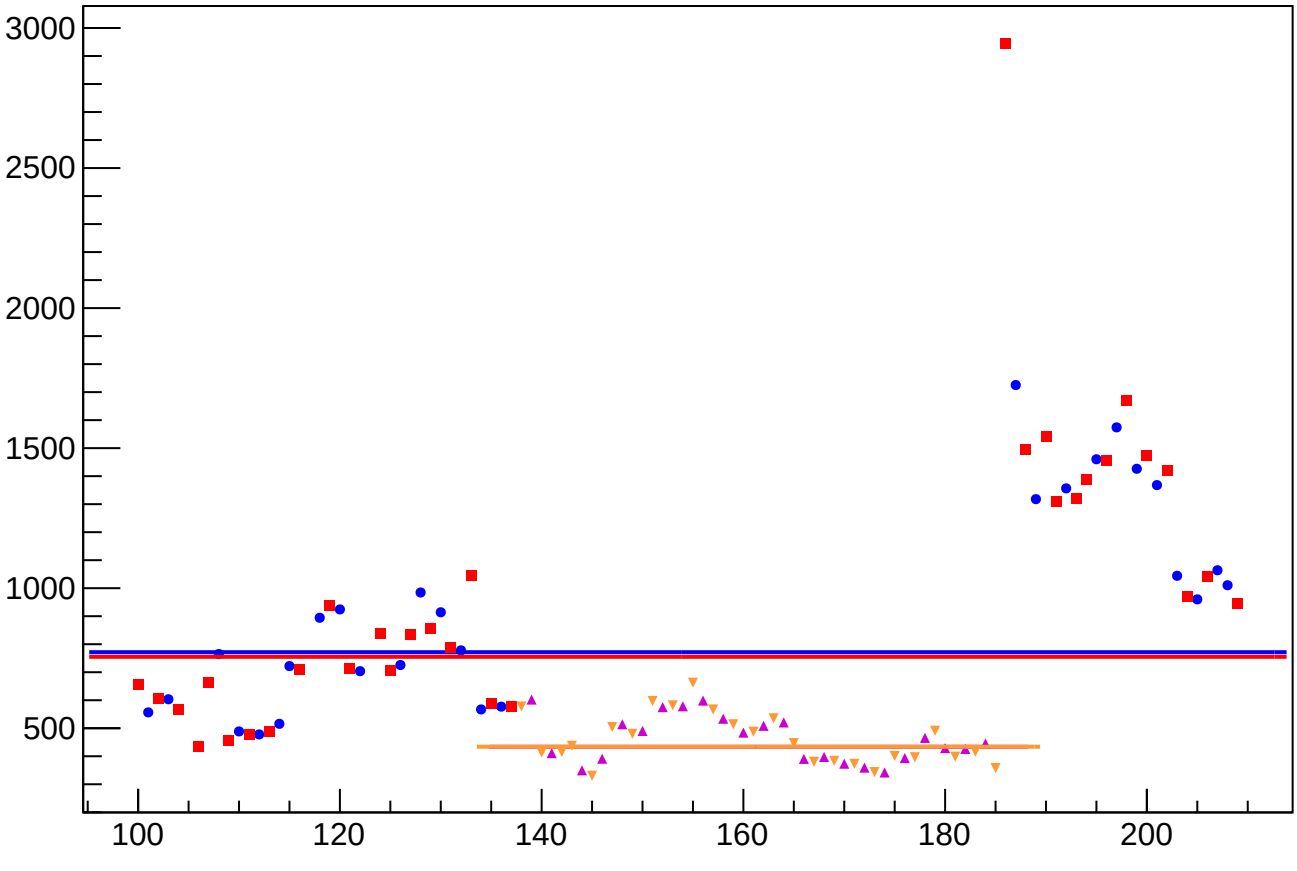
Left: 209.376+/-71.985 χ^2/NDF: 108.6/47

Right: -104.187+/-144.150 χ^2/NDF: 70.2/58

In: 24.319+/-92.428 χ^2/NDF:61.8/49

Out: 262.353+/-89.784 χ^2/NDF:117.3/56

All: 146.789+/-64.401 χ^2/NDF: 182.5/106



Right In: 771.495+/-0.147 χ^2/NDF: 3960386.4/26

Left Out: 433.945+/-0.071 χ^2/NDF:1243702.1/24

Right Out: 755.010+/-0.141 χ^2/NDF: 5607448.6/31

Left In: 433.722+/-0.073 χ^2/NDF:1094788.4/22

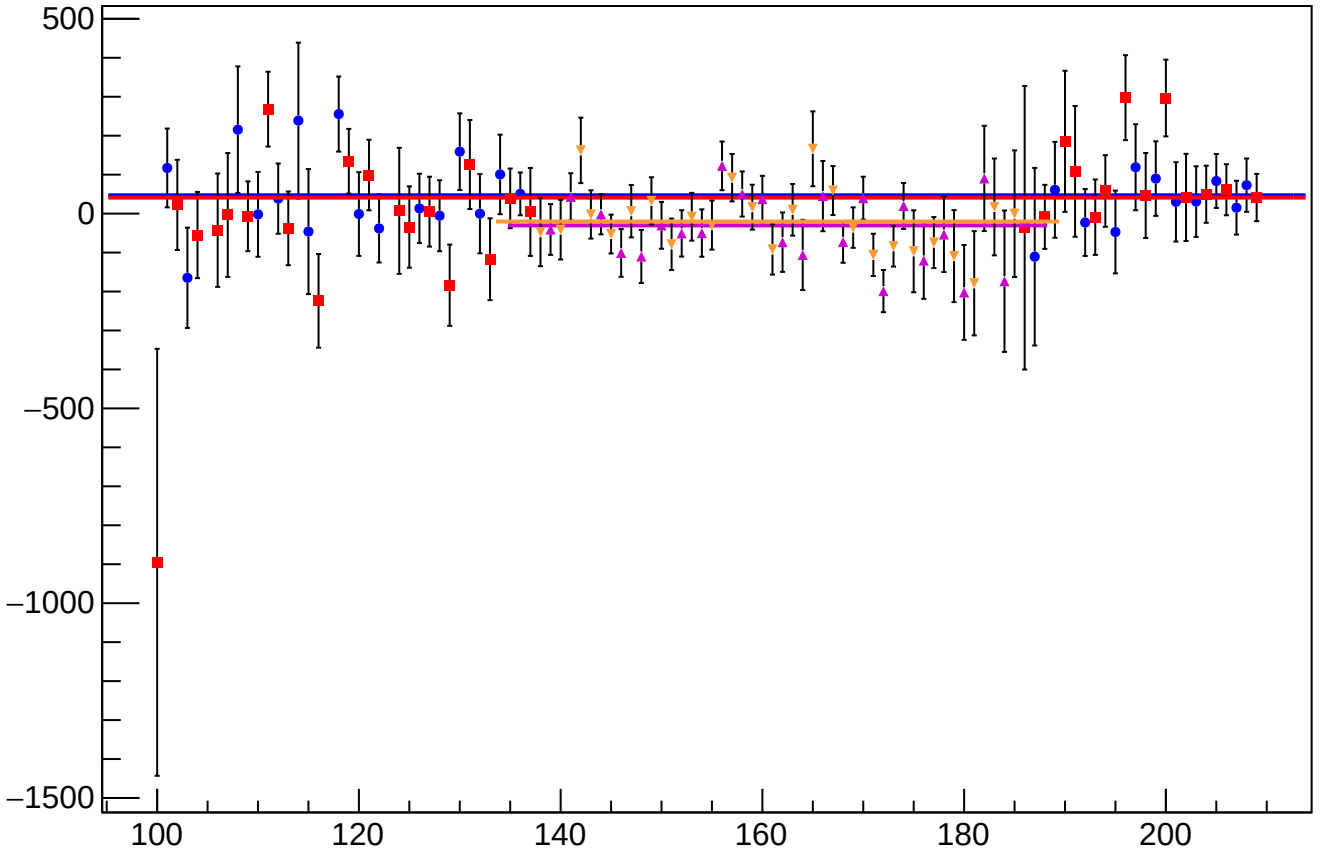
Left: 433.836+/-0.051 χ^2/NDF: 2338495.3/47

Right: 762.900+/-0.102 χ^2/NDF: 9574362.1/58

In: 500.180+/-0.065 χ^2/NDF:9276464.6/49

Out: 498.892+/-0.063 χ^2/NDF:10978083.6/56

All: 499.517+/-0.046 χ^2/NDF: 20254747.9/10



Right In: 47.017+/-18.205 χ^2/NDF: 17.1/26

Left Out: -20.270+/-13.636 χ^2/NDF:25.1/24

Right Out: 41.055+/-17.734 χ^2/NDF: 39.4/31

Left In: -30.318+/-13.979 χ^2/NDF:32.6/22

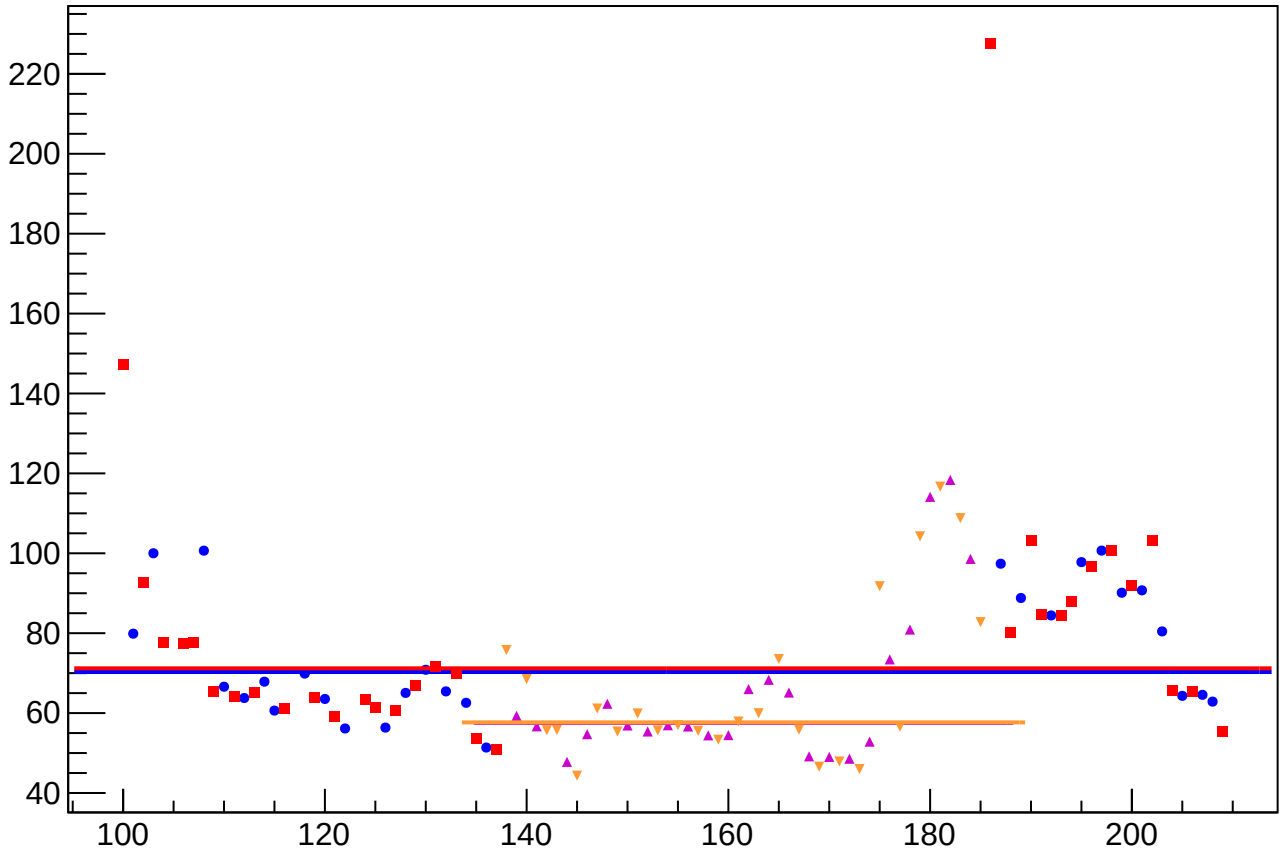
Left: -25.169+/-9.761 χ^2/NDF: 58.0/47

Right: 43.958+/-12.703 χ^2/NDF: 56.6/58

In: -1.635+/-11.087 χ^2/NDF:61.0/49

Out: 2.517+/-10.810 χ^2/NDF:72.1/56

All: 0.494+/-7.740 χ^2/NDF: 133.2/106



Right In: 70.284+/-0.013 χ^2/NDF: 1240841.0/26

Left Out: 57.668+/-0.010 χ^2/NDF:1909743.5/24

Right Out: 71.204+/-0.013 χ^2/NDF: 1677974.0/31

Left In: 57.539+/-0.010 χ^2/NDF:1443279.4/22

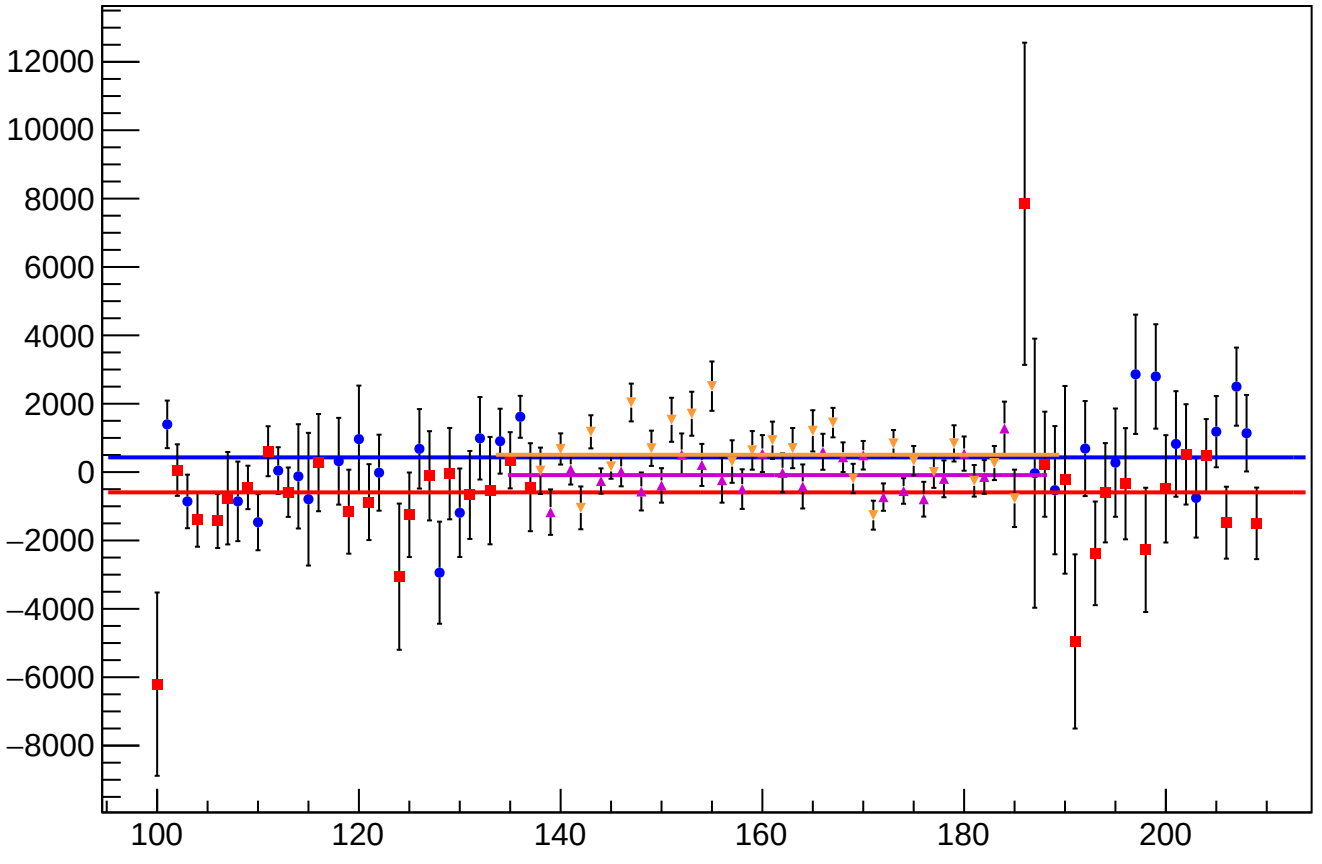
Left: 57.605+/-0.007 χ^2/NDF: 3353109.9/47

Right: 70.756+/-0.009 χ^2/NDF: 2921436.9/58

In: 62.266+/-0.008 χ^2/NDF:3300672.0/49

Out: 62.698+/-0.008 χ^2/NDF:4319909.6/56

All: 62.487+/-0.005 χ^2/NDF: 7622133.4/106



Right In: 430.529+/-210.842 χ^2/NDF: 33.2/26

Left Out: 507.171+/-101.776 χ^2/NDF:65.8/24

Right Out: -592.754+/-200.534 χ^2/NDF: 25.7/31

Left In: -88.471+/-104.542 χ^2/NDF:23.3/22

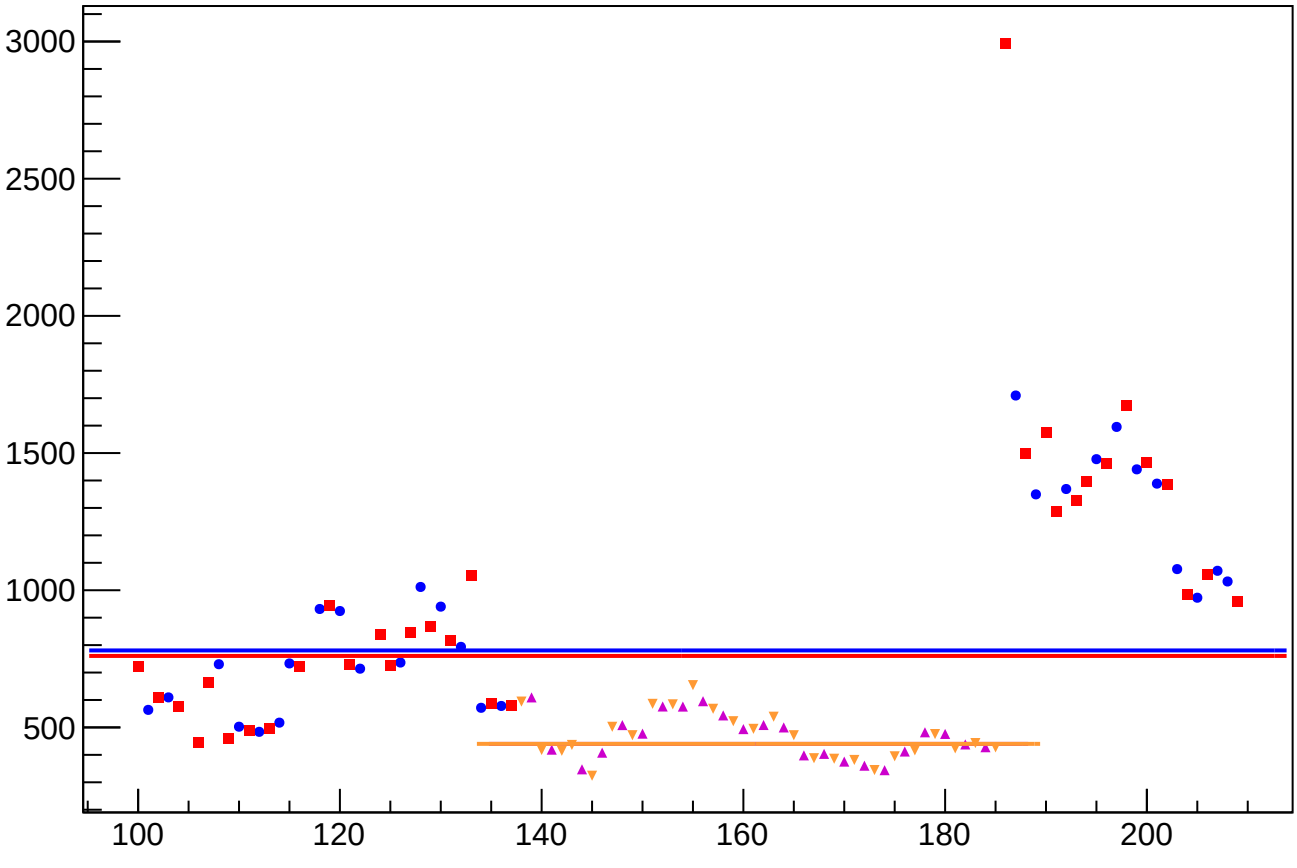
Left: 217.331+/-72.925 χ^2/NDF: 105.8/47

Right: -106.739+/-145.306 χ^2/NDF: 71.3/58

In: 13.944+/-93.661 χ^2/NDF:61.4/49

Out: 281.879+/-90.757 χ^2/NDF:115.4/56

All: 152.130+/-65.177 χ^2/NDF: 181.0/106



Right In: 780.591+/-0.149 χ^2/NDF: 3997126.1/26

Left Out: 440.075+/-0.072 χ^2/NDF:1196985.5/24

Right Out: 760.573+/-0.142 χ^2/NDF: 5587531.5/31

Left In: 439.877+/-0.074 χ^2/NDF:1061910.1/22

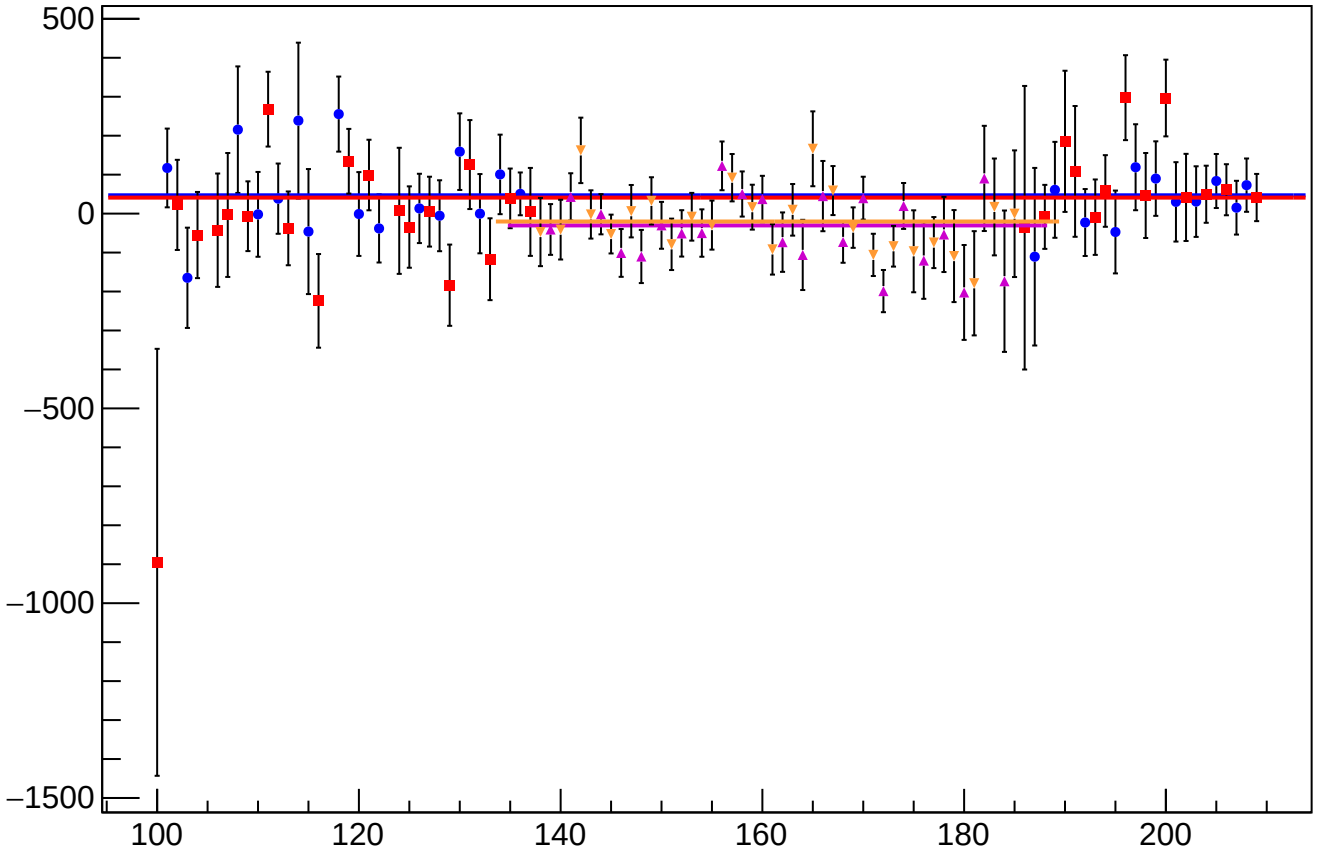
Left: 439.979+/-0.052 χ^2/NDF: 2258899.3/47

Right: 770.081+/-0.103 χ^2/NDF: 9594122.8/58

In: 507.111+/-0.066 χ^2/NDF:9251112.5/49

Out: 505.721+/-0.064 χ^2/NDF:10846786.0/56

All: 506.394+/-0.046 χ^2/NDF: 20098125.6/10



Right In: 47.015+/-18.205 χ^2/NDF: 17.1/26

Left Out: -20.271+/-13.636 χ^2/NDF:25.1/24

Right Out: 41.056+/-17.734 χ^2/NDF: 39.4/31

Left In: -30.318+/-13.979 χ^2/NDF:32.6/22

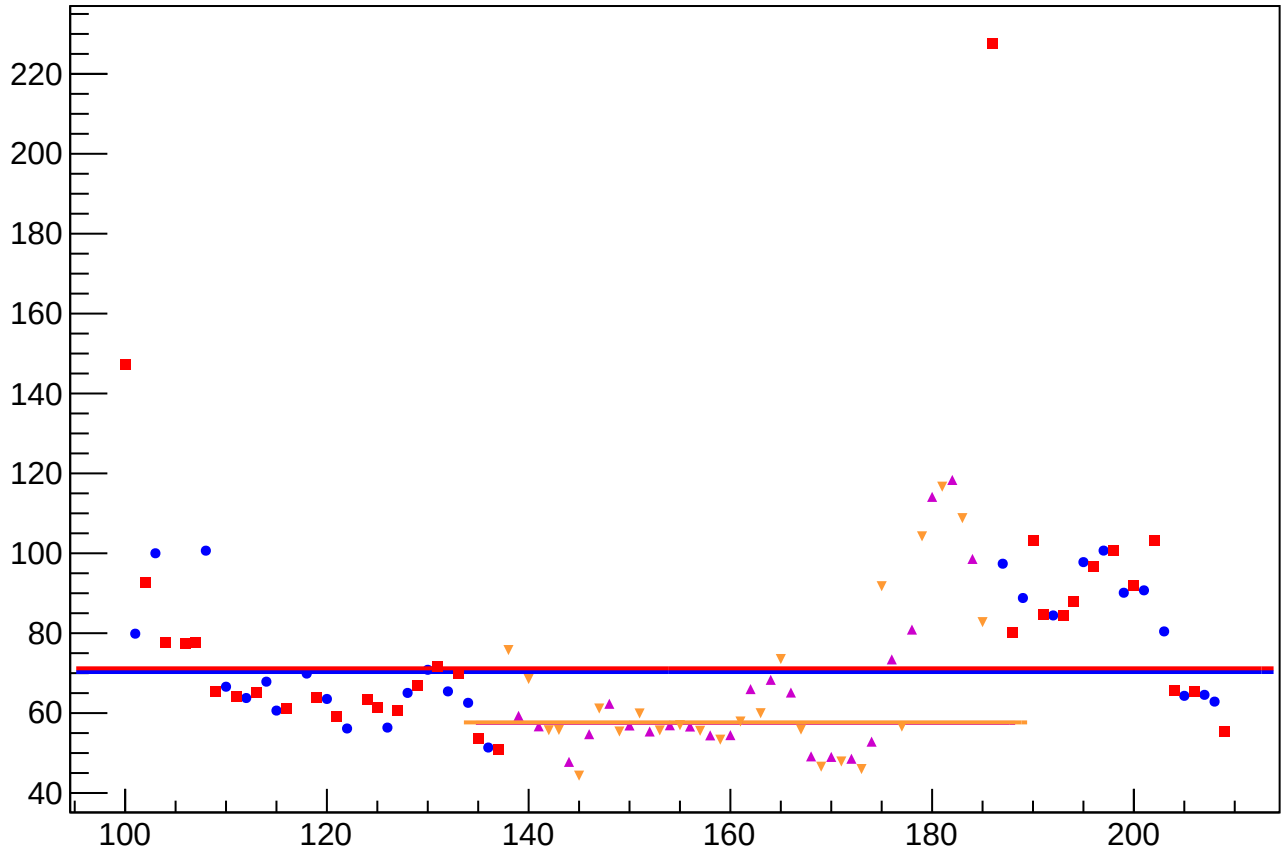
Left: -25.170+/-9.761 χ^2/NDF: 58.0/47

Right: 43.957+/-12.703 χ^2/NDF: 56.6/58

In: -1.635+/-11.087 χ^2/NDF:61.0/49

Out: 2.517+/-10.810 χ^2/NDF:72.1/56

All: 0.493+/-7.740 χ^2/NDF: 133.2/106



Right In: 70.284+/-0.013 χ^2/NDF: 1240823.5/26

Left Out: 57.668+/-0.010 χ^2/NDF:1909739.8/24

Right Out: 71.204+/-0.013 χ^2/NDF: 1677979.3/31

Left In: 57.539+/-0.010 χ^2/NDF:1443262.3/22

Left: 57.605+/-0.007 χ^2/NDF: 3353089.2/47

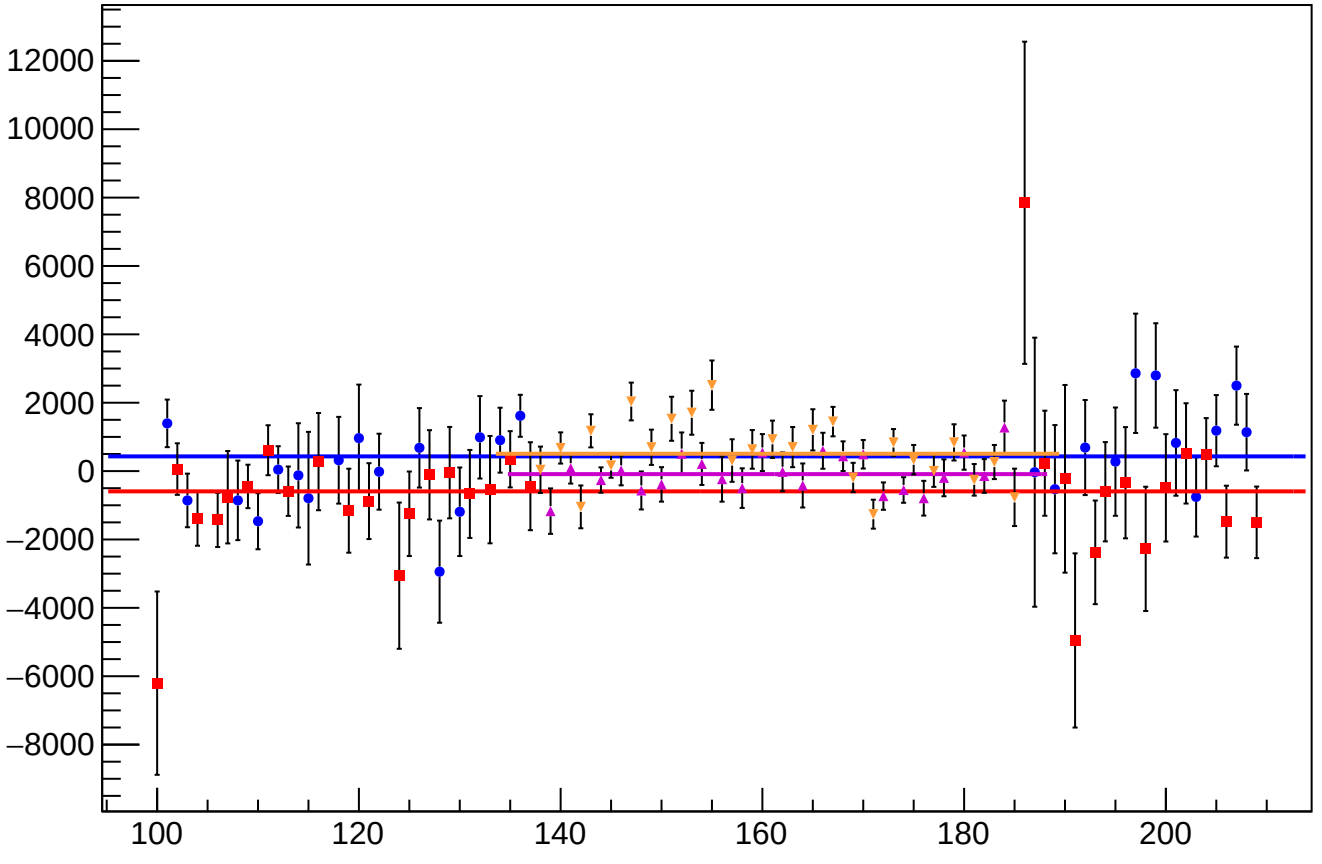
Right: 70.756+/-0.009 χ^2/NDF: 2921424.8/58

In: 62.266+/-0.008 χ^2/NDF:3300629.0/49

Out: 62.698+/-0.008 χ^2/NDF:4319895.4/56

All: 62.487+/-0.005 χ^2/NDF: 7622076.5/106

asym_sam_15_48_dd_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: 430.527+/-210.842 χ^2/NDF: 33.2/26

Left Out: 507.170+/-101.776 χ^2/NDF:65.8/24

Right Out: -592.753+/-200.533 χ^2/NDF: 25.7/31

Left In: -88.471+/-104.541 χ^2/NDF:23.3/22

Left: 217.331+/-72.925 χ^2/NDF: 105.8/47

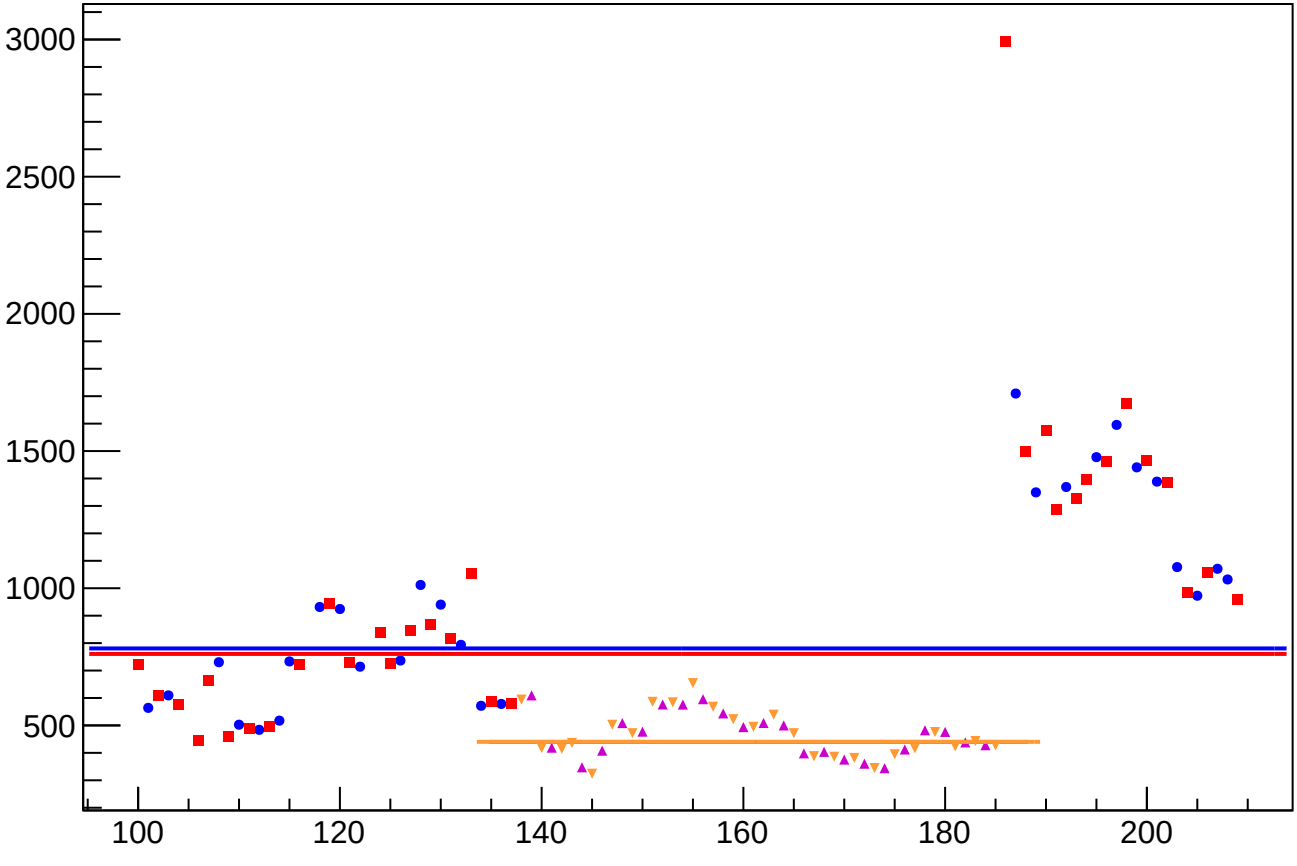
Right: -106.739+/-145.306 χ^2/NDF: 71.3/58

In: 13.944+/-93.660 χ^2/NDF:61.4/49

Out: 281.879+/-90.756 χ^2/NDF:115.4/56

All: 152.129+/-65.177 χ^2/NDF: 181.0/106

asym_sam_15_48_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 780.590+/-0.149 χ^2/NDF: 3997131.5/26

Left Out: 440.074+/-0.072 χ^2/NDF:1196993.4/24

Right Out: 760.572+/-0.142 χ^2/NDF: 5587536.2/31

Left In: 439.876+/-0.074 χ^2/NDF:1061916.6/22

Left: 439.978+/-0.052 χ^2/NDF: 2258913.7/47

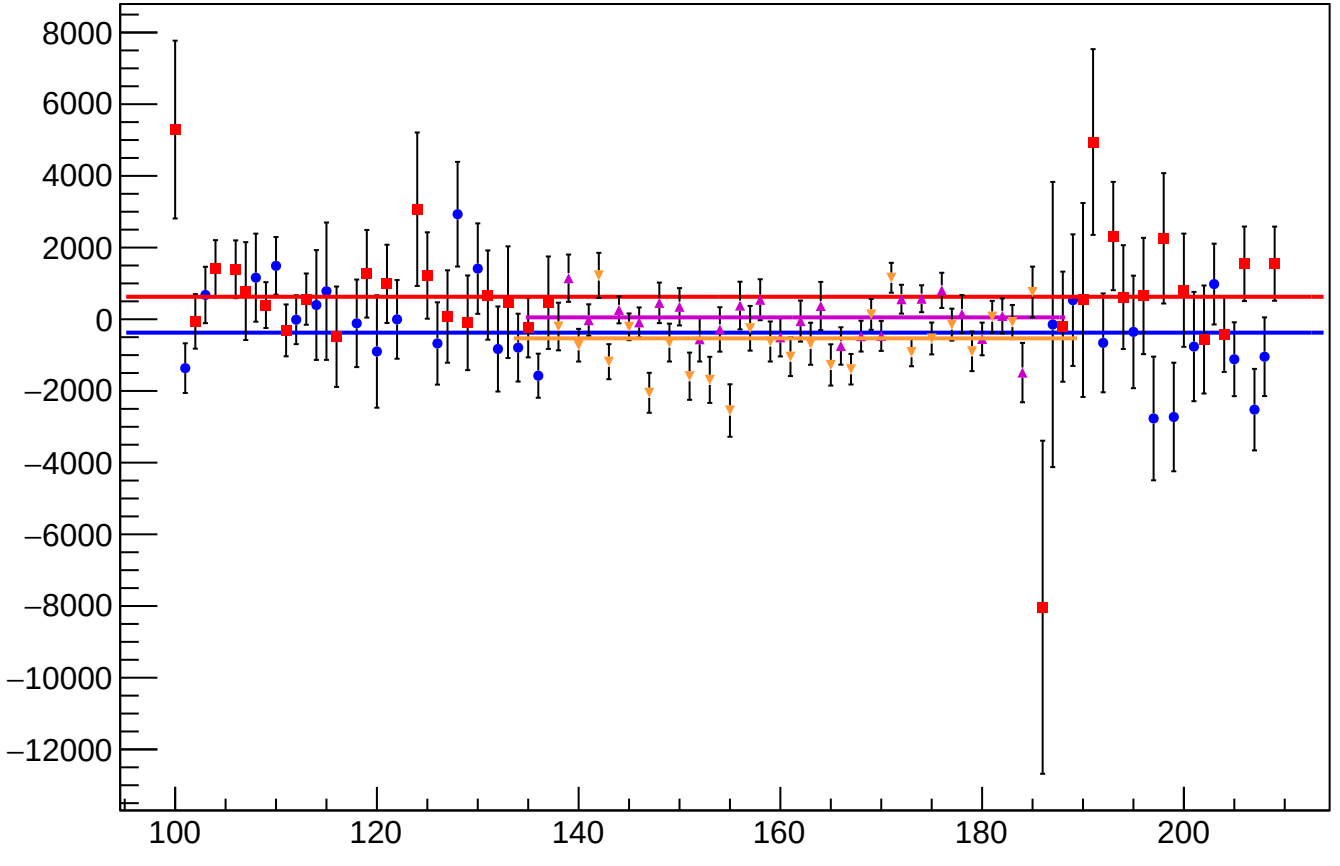
Right: 770.080+/-0.103 χ^2/NDF: 9594132.8/58

In: 507.110+/-0.066 χ^2/NDF:9251143.6/49

Out: 505.720+/-0.064 χ^2/NDF:10846815.5/56

All: 506.393+/-0.046 χ^2/NDF: 20098186.2/10

asym_sam_15_48_dd_mean vs Slug, Sign Corrected



Right In: -373.683+/-209.348 χ^2/NDF: 33.9/26

Left Out: -531.569+/-101.245 χ^2/NDF:65.6/24

Right Out: 626.854+/-199.796 χ^2/NDF: 24.1/31

Left In: 52.554+/-103.870 χ^2/NDF:24.1/22

Left: -246.981+/-72.501 χ^2/NDF: 105.9/47

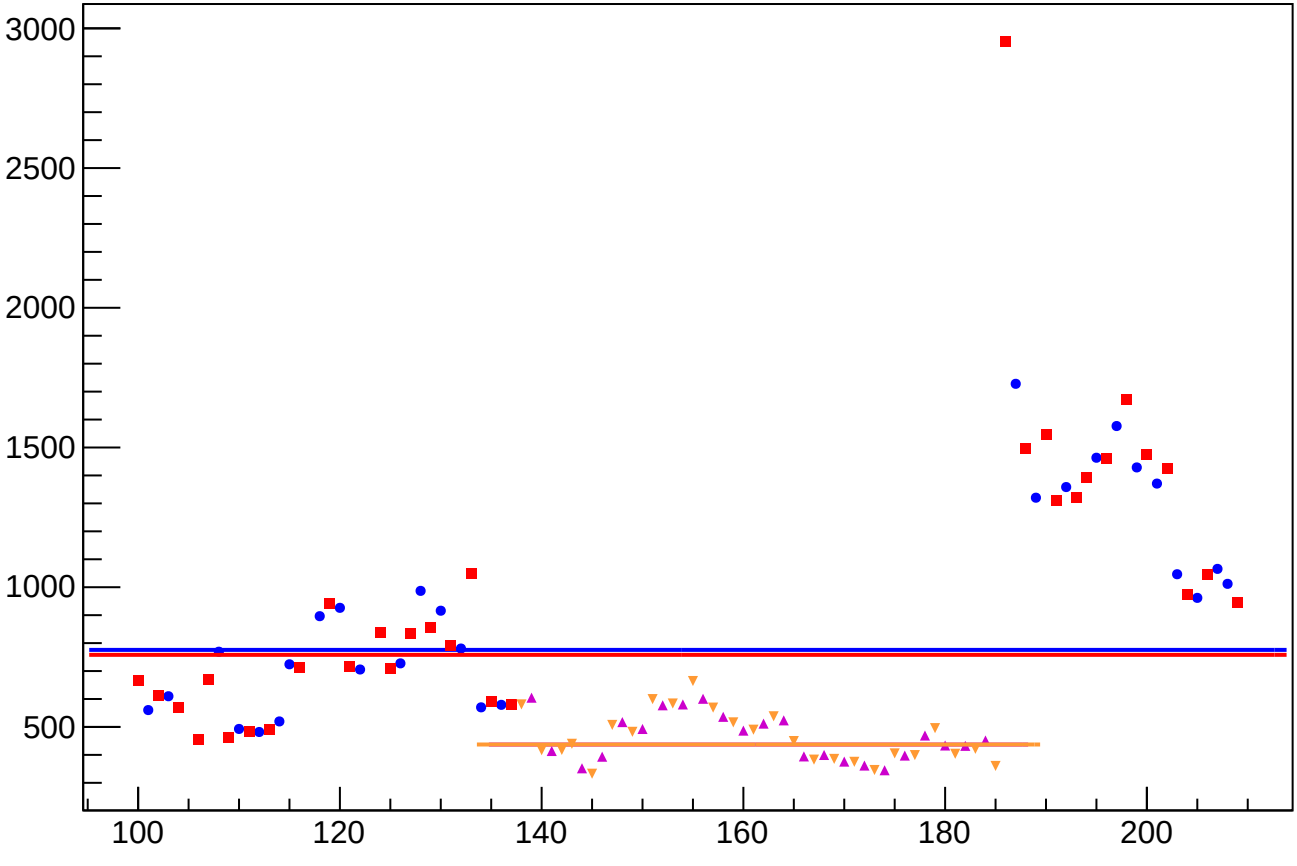
Right: 149.933+/-144.536 χ^2/NDF: 69.9/58

In: -31.647+/-93.047 χ^2/NDF:61.3/49

Out: -294.878+/-90.312 χ^2/NDF:116.4/56

All: -167.188+/-64.805 χ^2/NDF: 181.8/106

asym_sam_15_48_dd_rms vs Slug, Sign Corrected



Right In: 775.739+/-0.148 χ^2/NDF: 3916666.2/26

Left Out: 437.157+/-0.072 χ^2/NDF:1227453.3/24

Right Out: 758.033+/-0.141 χ^2/NDF: 5558658.0/31

Left In: 436.937+/-0.073 χ^2/NDF:1080038.0/22

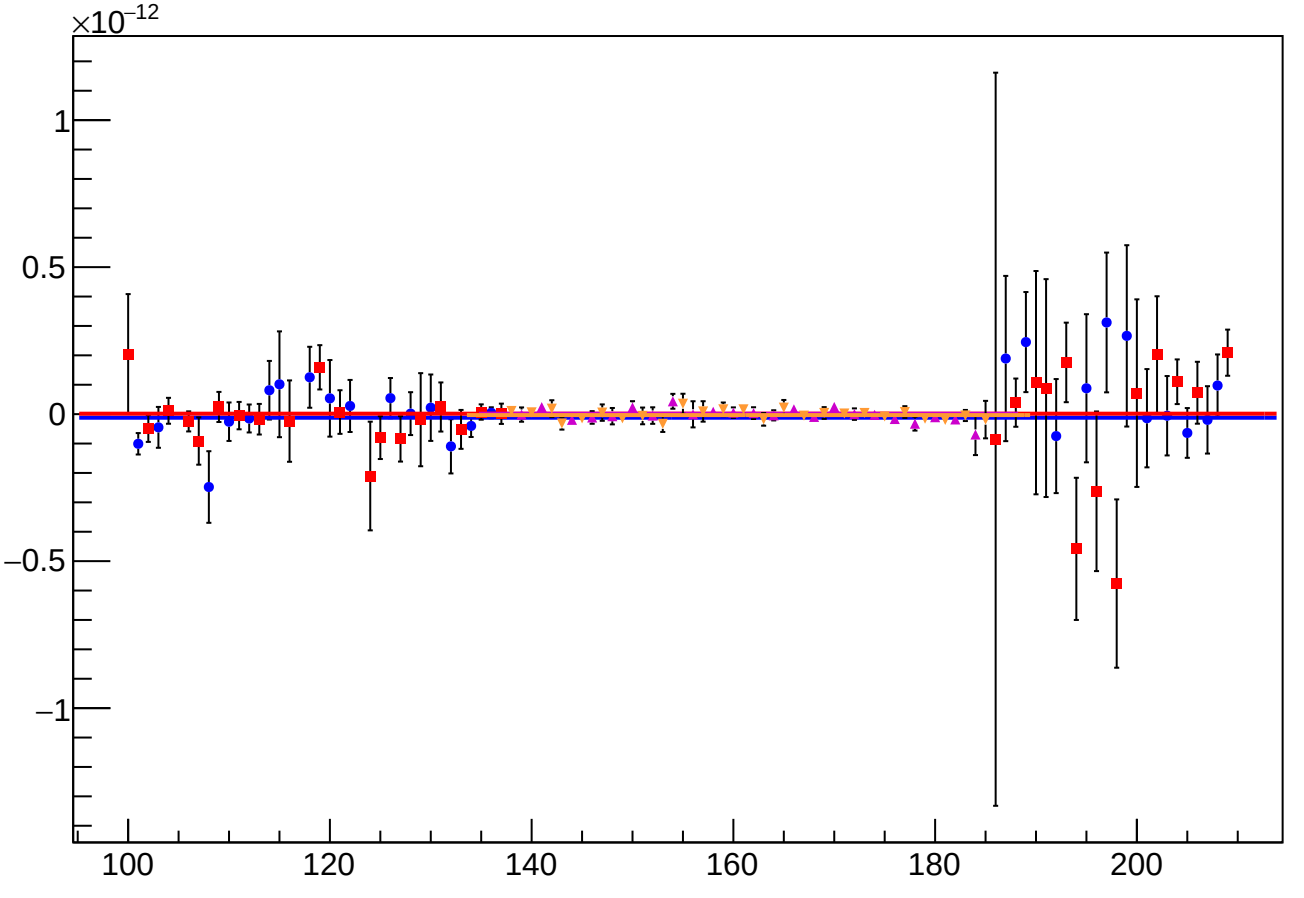
Left: 437.050+/-0.051 χ^2/NDF: 2307495.9/47

Right: 766.473+/-0.102 χ^2/NDF: 9482811.6/58

In: 503.866+/-0.066 χ^2/NDF:9200149.3/49

Out: 502.719+/-0.064 χ^2/NDF:10890704.6/56

All: 503.275+/-0.046 χ^2/NDF: 20091010.4/10



Right In: -0.000+/-0.000 χ^2/NDF: 24.2/26

Left Out: -0.000+/-0.000 χ^2/NDF:14.3/24

Right Out: 0.000+/-0.000 χ^2/NDF: 34.8/31

Left In: 0.000+/-0.000 χ^2/NDF:22.0/22

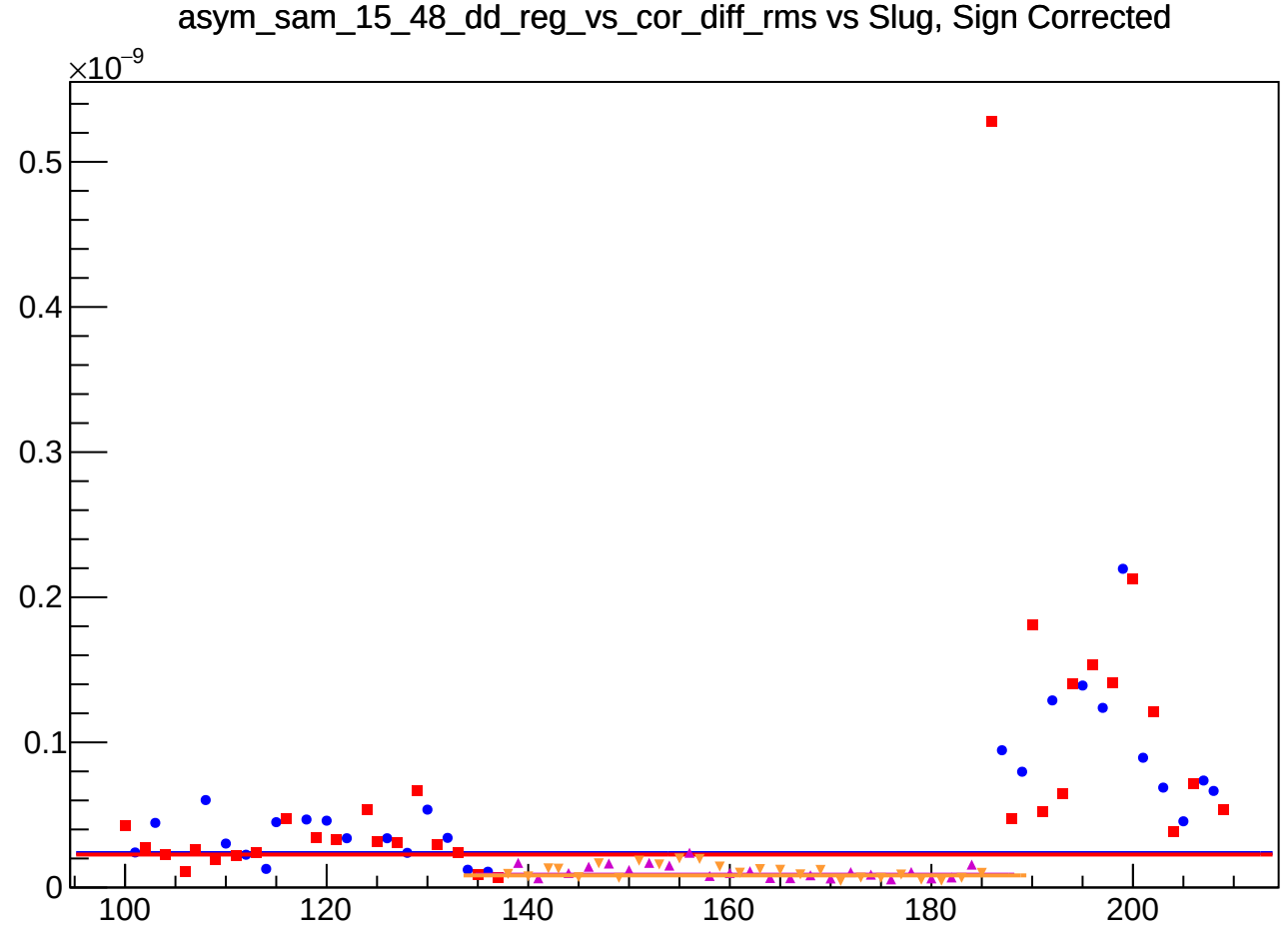
Left: -0.000+/-0.000 χ^2/NDF: 37.2/47

Right: -0.000+/-0.000 χ^2/NDF: 59.6/58

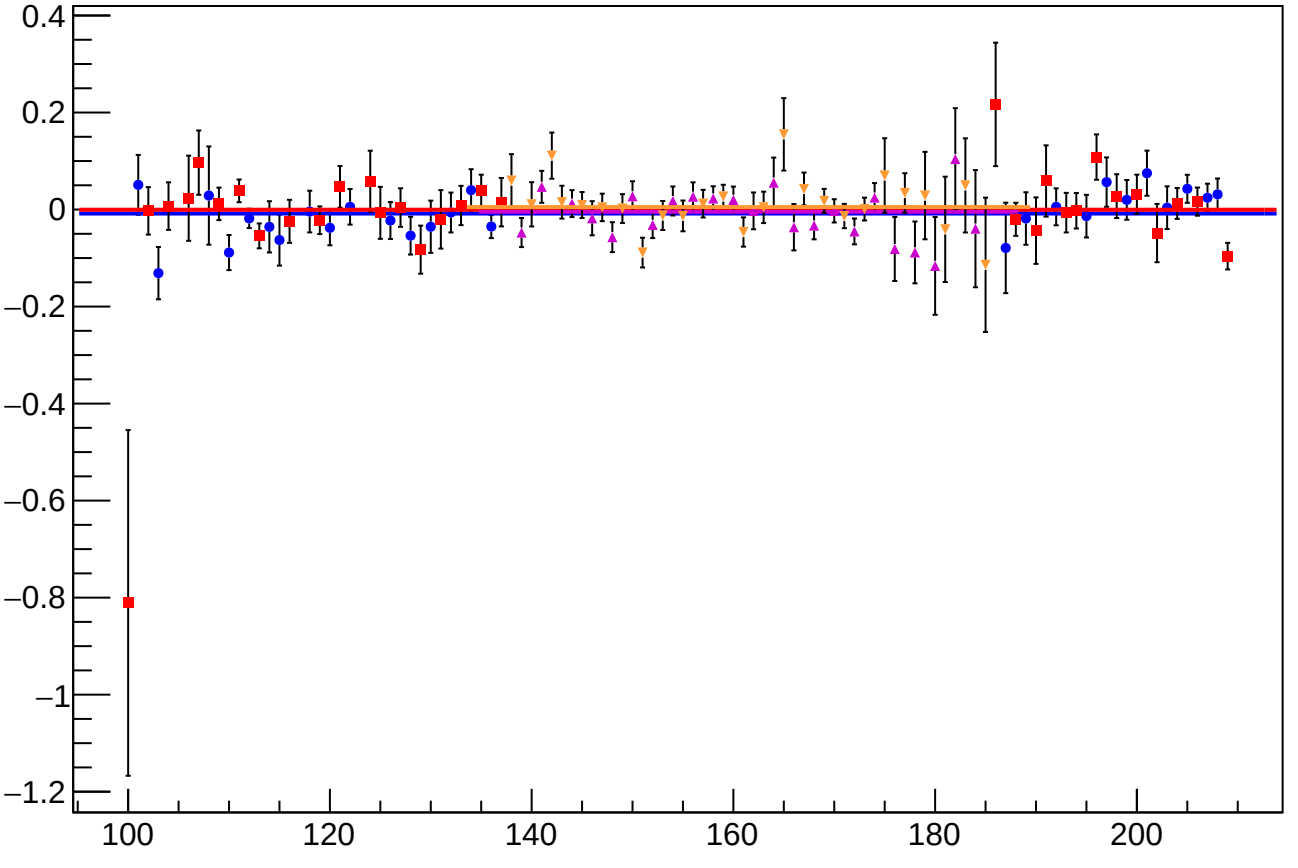
In: 0.000+/-0.000 χ^2/NDF:47.3/49

Out: -0.000+/-0.000 χ^2/NDF:49.2/56

All: -0.000+/-0.000 χ^2/NDF: 97.0/106


asym_sam_15_48_dd_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
0.5
0.4
0.3
0.2
0.1
0
100
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 5851942.2/26
Left Out: 0.000+/-0.000 χ²/NDF:2207304.6/24
Right Out: 0.000+/-0.000 χ²/NDF: 6064159.5/31
Left In: 0.000+/-0.000 χ²/NDF:1644276.1/22
Left: 0.000+/-0.000 χ²/NDF: 3869791.0/47
Right: 0.000+/-0.000 χ²/NDF: 11923262.6/58
In: 0.000+/-0.000 χ²/NDF:10262354.1/49
Out: 0.000+/-0.000 χ²/NDF:11113496.7/56
All: 0.000+/-0.000 χ²/NDF: 21403743.1/106

asym_sam_15_48_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.008+/-0.007 χ^2/NDF: 29.8/26

Left Out: 0.005+/-0.007 χ^2/NDF:28.4/24

Right Out: -0.000+/-0.007 χ^2/NDF: 46.3/31

Left In: -0.005+/-0.007 χ^2/NDF:25.1/22

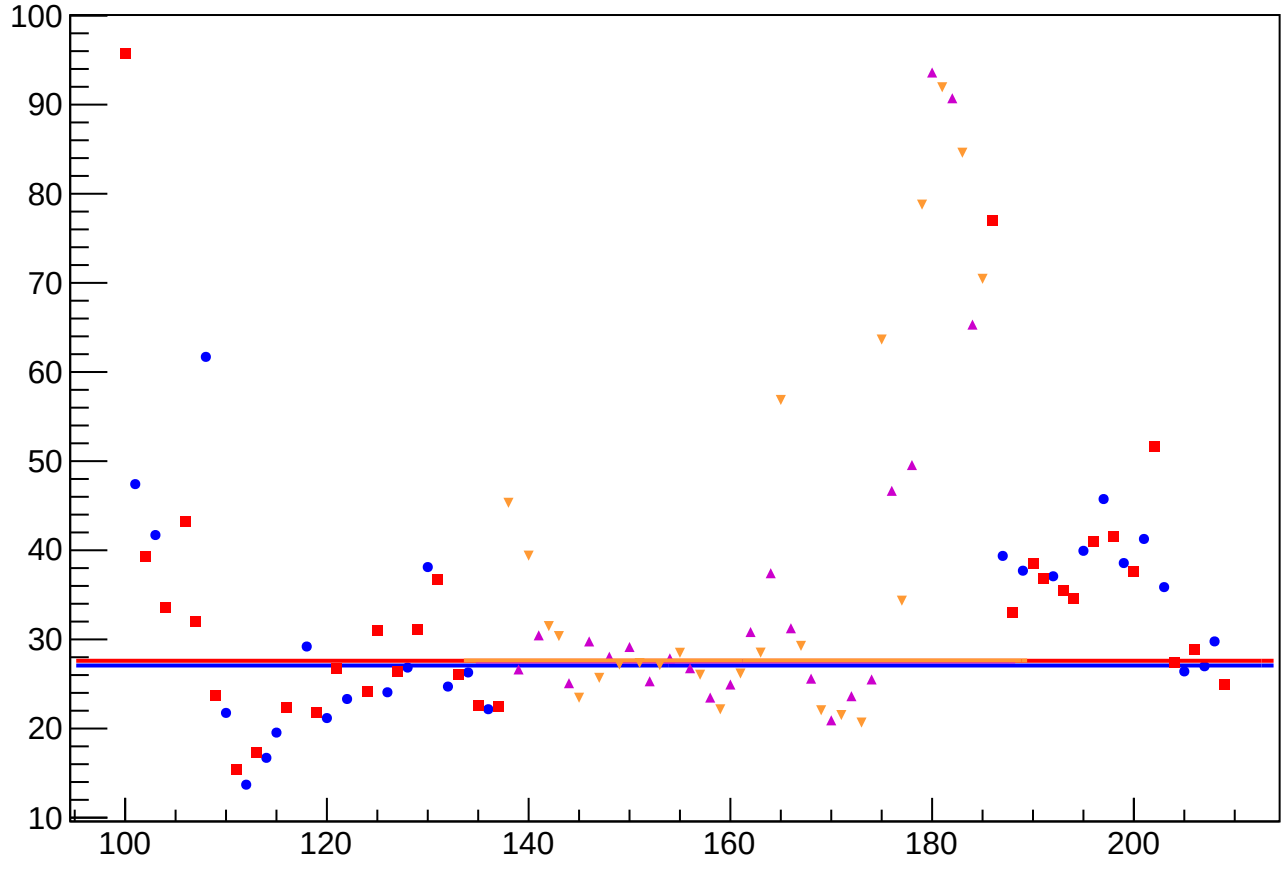
Left: 0.000+/-0.005 χ^2/NDF: 54.5/47

Right: -0.004+/-0.005 χ^2/NDF: 76.7/58

In: -0.006+/-0.005 χ^2/NDF:55.1/49

Out: 0.002+/-0.005 χ^2/NDF:75.0/56

All: -0.002+/-0.004 χ^2/NDF: 131.6/106



Right In: 27.073+/-0.005 χ^2/NDF: 3057802.5/26

Left Out: 27.635+/-0.005 χ^2/NDF:3974084.8/24

Right Out: 27.603+/-0.005 χ^2/NDF: 2842143.3/31

Left In: 27.524+/-0.005 χ^2/NDF:2634540.9/22

Left: 27.581+/-0.003 χ^2/NDF: 6608881.9/47

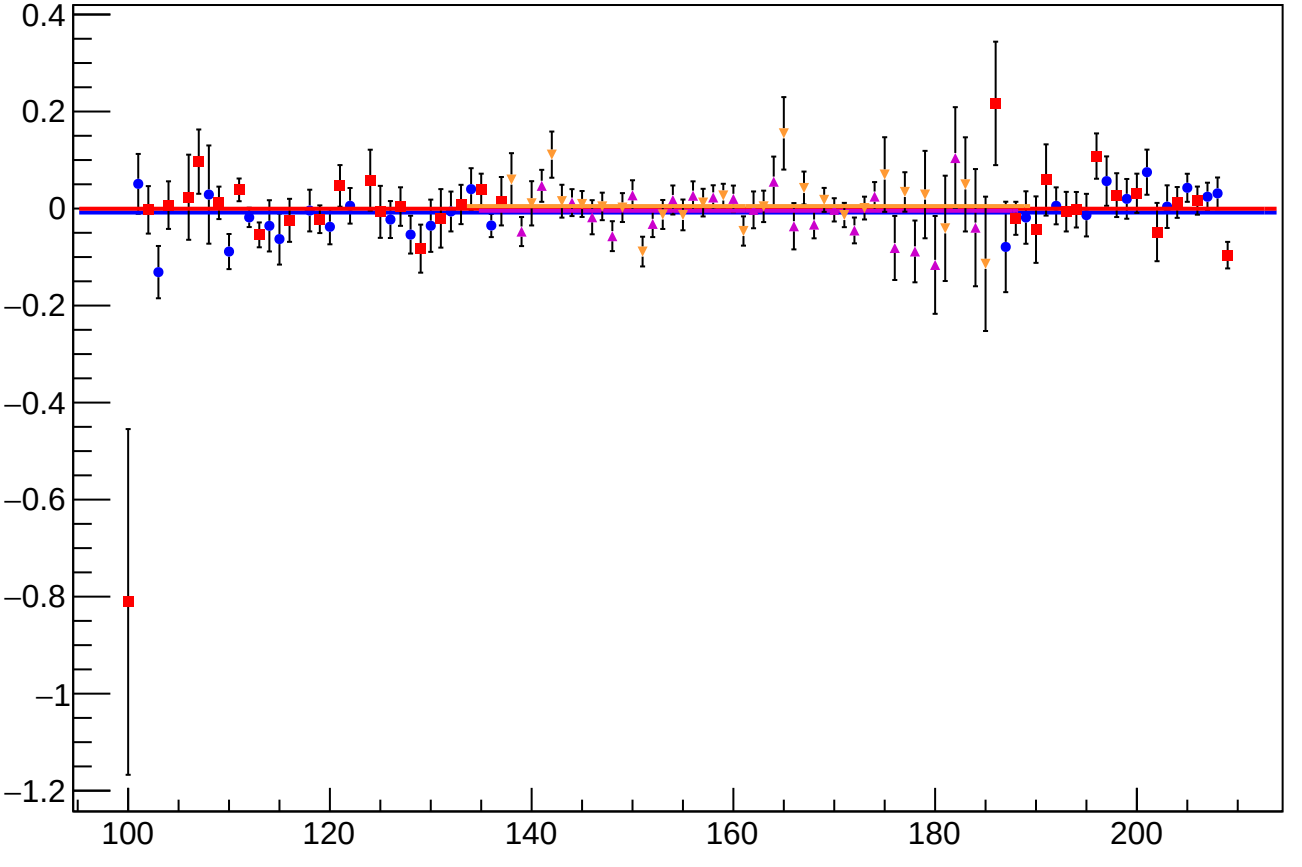
Right: 27.347+/-0.004 χ^2/NDF: 5905273.0/58

In: 27.311+/-0.004 χ^2/NDF:5696284.0/49

Out: 27.620+/-0.003 χ^2/NDF:6816248.4/56

All: 27.470+/-0.003 χ^2/NDF: 12516319.0/106

asym_sam_15_48_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.008+/-0.007 χ^2/NDF: 29.8/26

Left Out: 0.005+/-0.007 χ^2/NDF:28.4/24

Right Out: -0.000+/-0.007 χ^2/NDF: 46.3/31

Left In: -0.005+/-0.007 χ^2/NDF:25.1/22

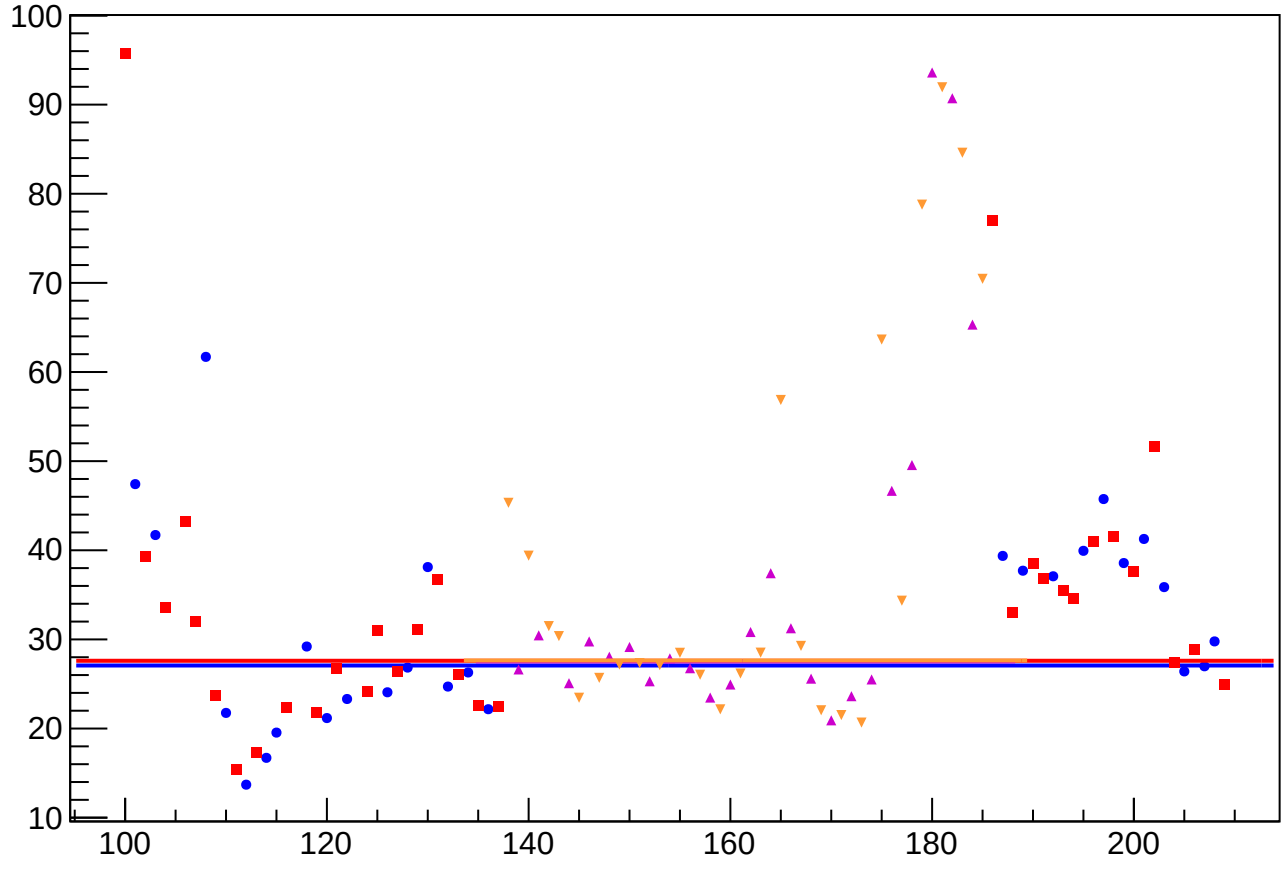
Left: 0.000+/-0.005 χ^2/NDF: 54.5/47

Right: -0.004+/-0.005 χ^2/NDF: 76.7/58

In: -0.006+/-0.005 χ^2/NDF:55.1/49

Out: 0.002+/-0.005 χ^2/NDF:75.0/56

All: -0.002+/-0.004 χ^2/NDF: 131.6/106



Right In: 27.073+/-0.005 χ^2/NDF: 3057802.5/26

Left Out: 27.635+/-0.005 χ^2/NDF:3974084.8/24

Right Out: 27.603+/-0.005 χ^2/NDF: 2842143.3/31

Left In: 27.524+/-0.005 χ^2/NDF:2634540.9/22

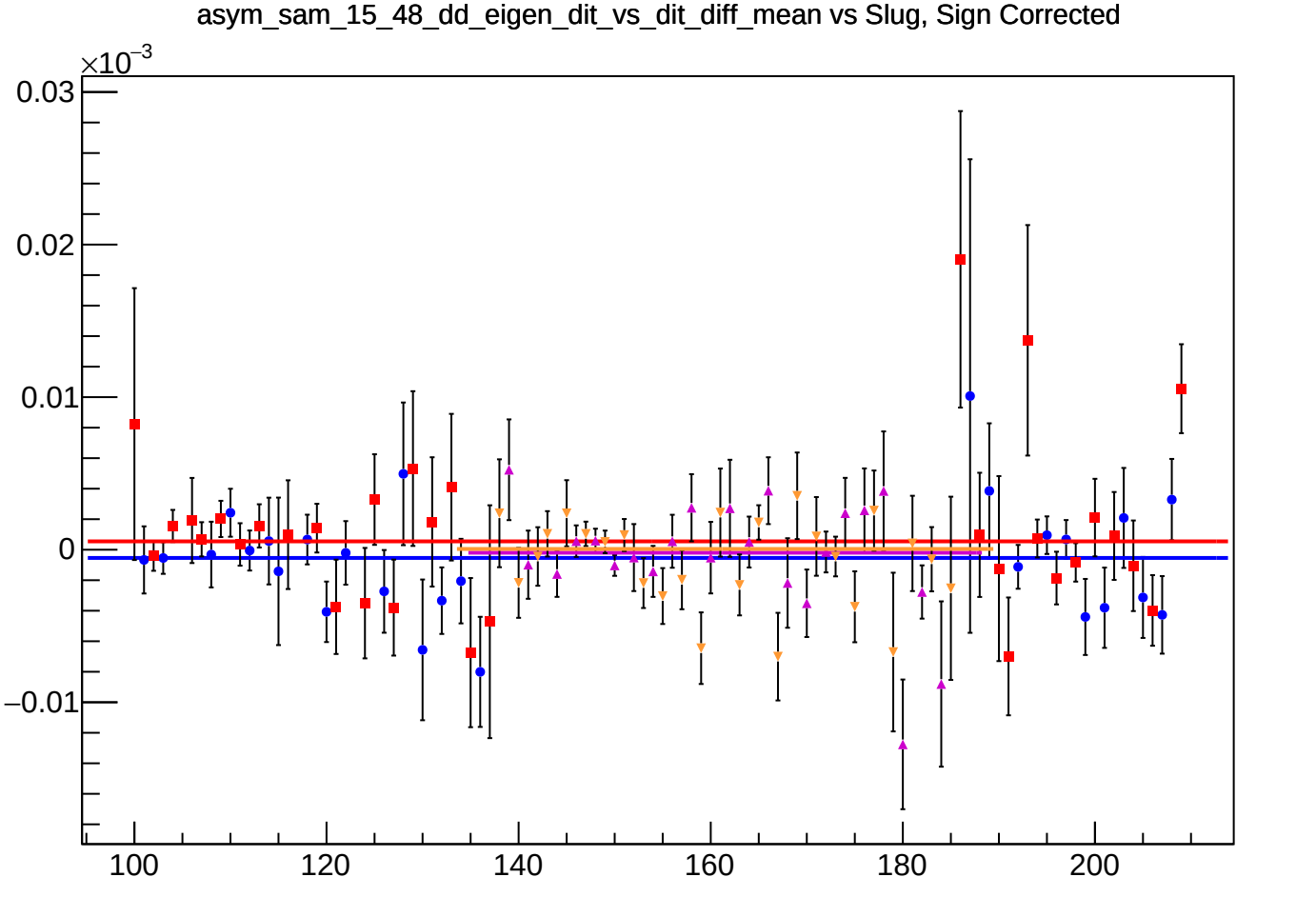
Left: 27.581+/-0.003 χ^2/NDF: 6608881.9/47

Right: 27.347+/-0.004 χ^2/NDF: 5905273.0/58

In: 27.311+/-0.004 χ^2/NDF:5696284.0/49

Out: 27.620+/-0.003 χ^2/NDF:6816248.4/56

All: 27.470+/-0.003 χ^2/NDF: 12516319.0/106



Right In: -0.000+/-0.000 χ^2/NDF: 31.4/26

Left Out: 0.000+/-0.000 χ^2/NDF:37.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 45.5/31

Left In: -0.000+/-0.000 χ^2/NDF:33.3/22

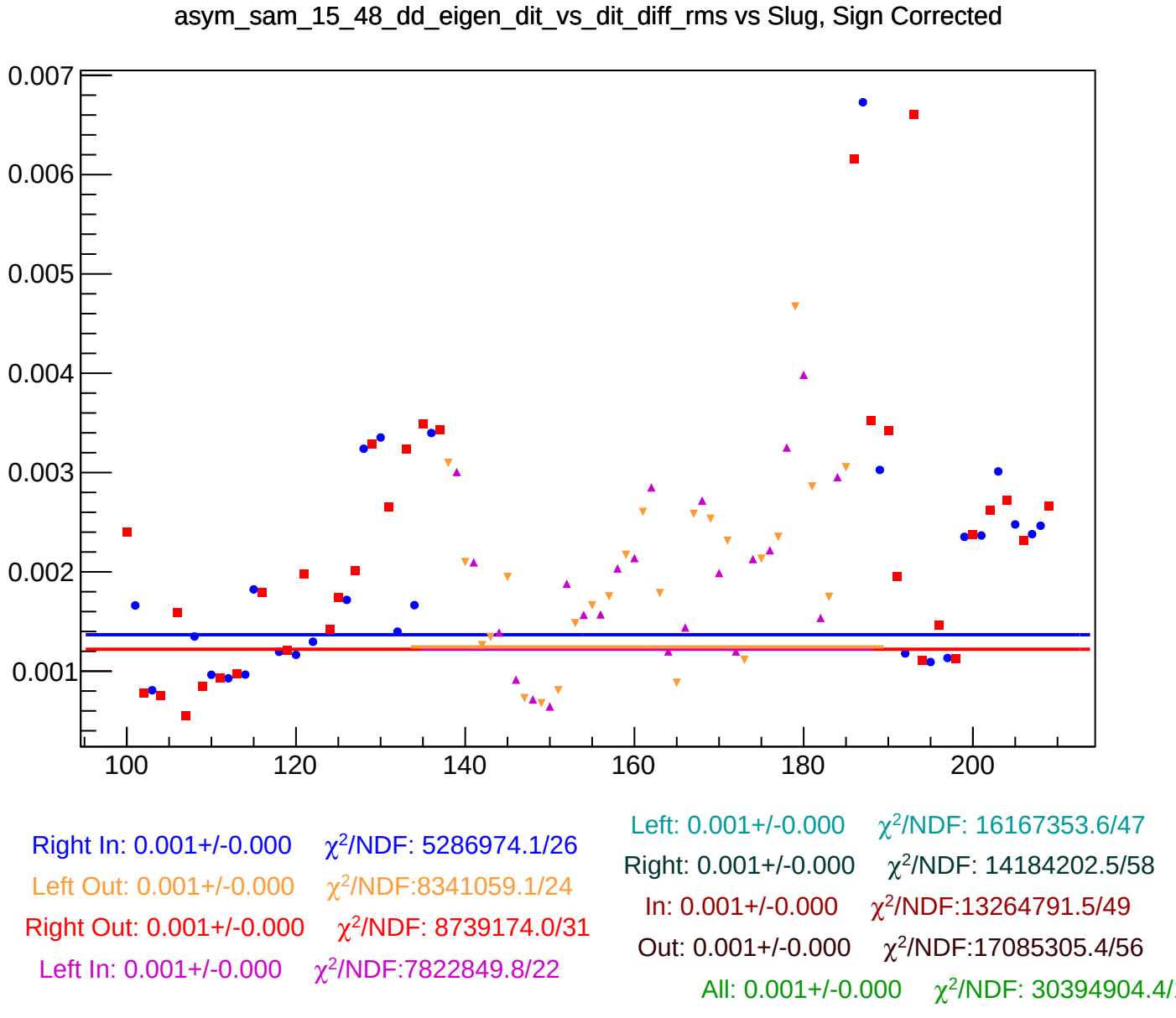
Left: -0.000+/-0.000 χ^2/NDF: 70.5/47

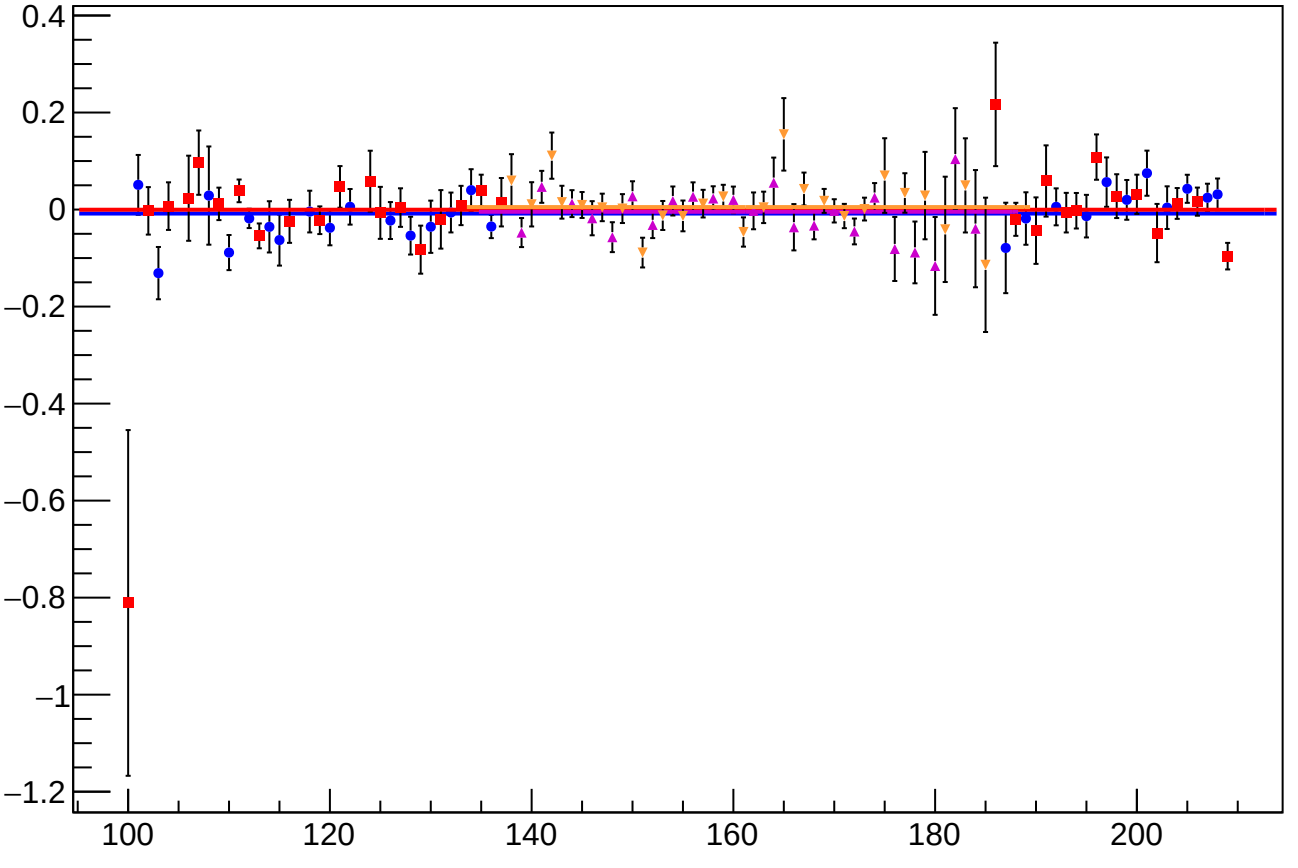
Right: 0.000+/-0.000 χ^2/NDF: 81.2/58

In: -0.000+/-0.000 χ^2/NDF:65.1/49

Out: 0.000+/-0.000 χ^2/NDF:83.6/56

All: -0.000+/-0.000 χ^2/NDF: 151.8/106


asym_sam_15_48_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected
0.007
0.006
0.005
0.004
0.003
0.002
0.001
100
120
140
160
180
200
Right In: 0.001+/-0.000 χ²/NDF: 5286974.1/26
Left Out: 0.001+/-0.000 χ²/NDF:8341059.1/24
Right Out: 0.001+/-0.000 χ²/NDF: 8739174.0/31
Left In: 0.001+/-0.000 χ²/NDF:7822849.8/22
Left: 0.001+/-0.000 χ²/NDF: 16167353.6/47
Right: 0.001+/-0.000 χ²/NDF: 14184202.5/58
In: 0.001+/-0.000 χ²/NDF:13264791.5/49
Out: 0.001+/-0.000 χ²/NDF:17085305.4/56
All: 0.001+/-0.000 χ²/NDF: 30394904.4/106



Right In: -0.008+/-0.007 χ^2/NDF: 29.8/26

Left Out: 0.005+/-0.007 χ^2/NDF:28.4/24

Right Out: -0.000+/-0.007 χ^2/NDF: 46.3/31

Left In: -0.005+/-0.007 χ^2/NDF:25.1/22

Left: 0.000+/-0.005 χ^2/NDF: 54.5/47

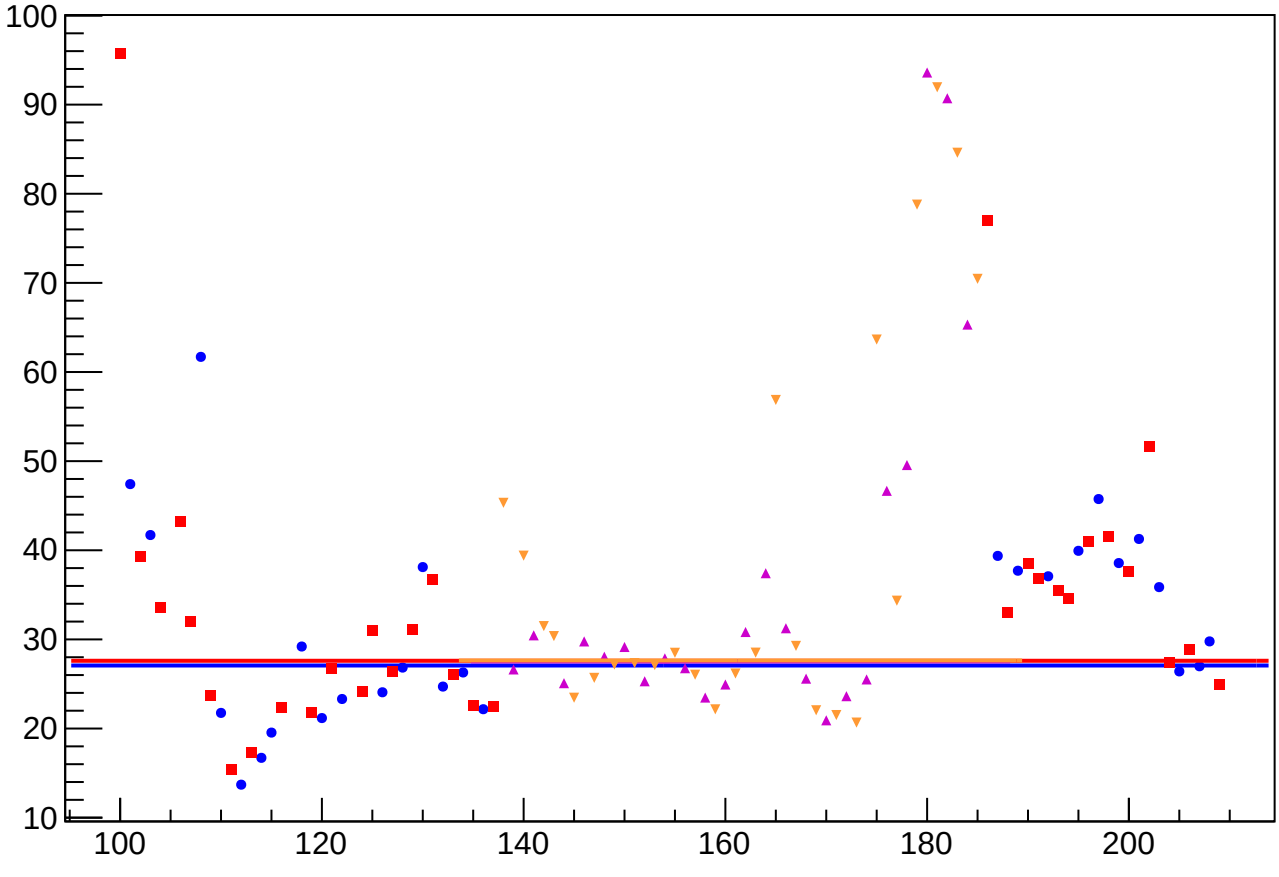
Right: -0.004+/-0.005 χ^2/NDF: 76.7/58

In: -0.006+/-0.005 χ^2/NDF:55.1/49

Out: 0.002+/-0.005 χ^2/NDF:75.0/56

All: -0.002+/-0.004 χ^2/NDF: 131.6/106

asym_sam_15_48_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 27.073+/-0.005 χ^2/NDF: 3057810.2/26

Left Out: 27.635+/-0.005 χ^2/NDF:3974025.3/24

Right Out: 27.603+/-0.005 χ^2/NDF: 2842243.0/31

Left In: 27.524+/-0.005 χ^2/NDF:2634508.8/22

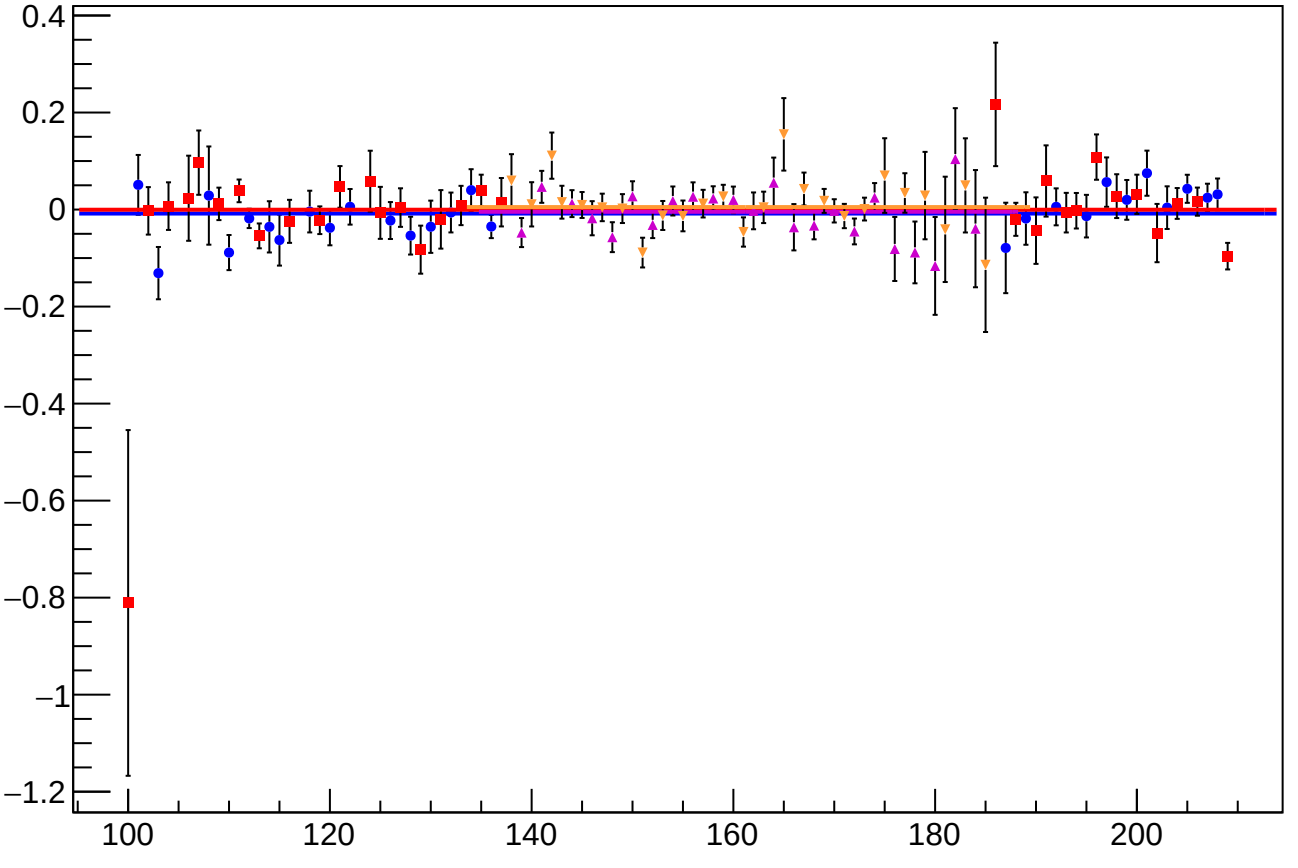
Left: 27.581+/-0.003 χ^2/NDF: 6608790.9/47

Right: 27.347+/-0.004 χ^2/NDF: 5905380.4/58

In: 27.311+/-0.004 χ^2/NDF:5696264.3/49

Out: 27.620+/-0.003 χ^2/NDF:6816289.2/56

All: 27.470+/-0.003 χ^2/NDF: 12516341.7/106



Right In: -0.008+/-0.007 χ^2/NDF: 29.8/26

Left Out: 0.005+/-0.007 χ^2/NDF:28.4/24

Right Out: -0.000+/-0.007 χ^2/NDF: 46.3/31

Left In: -0.005+/-0.007 χ^2/NDF:25.1/22

Left: 0.000+/-0.005 χ^2/NDF: 54.5/47

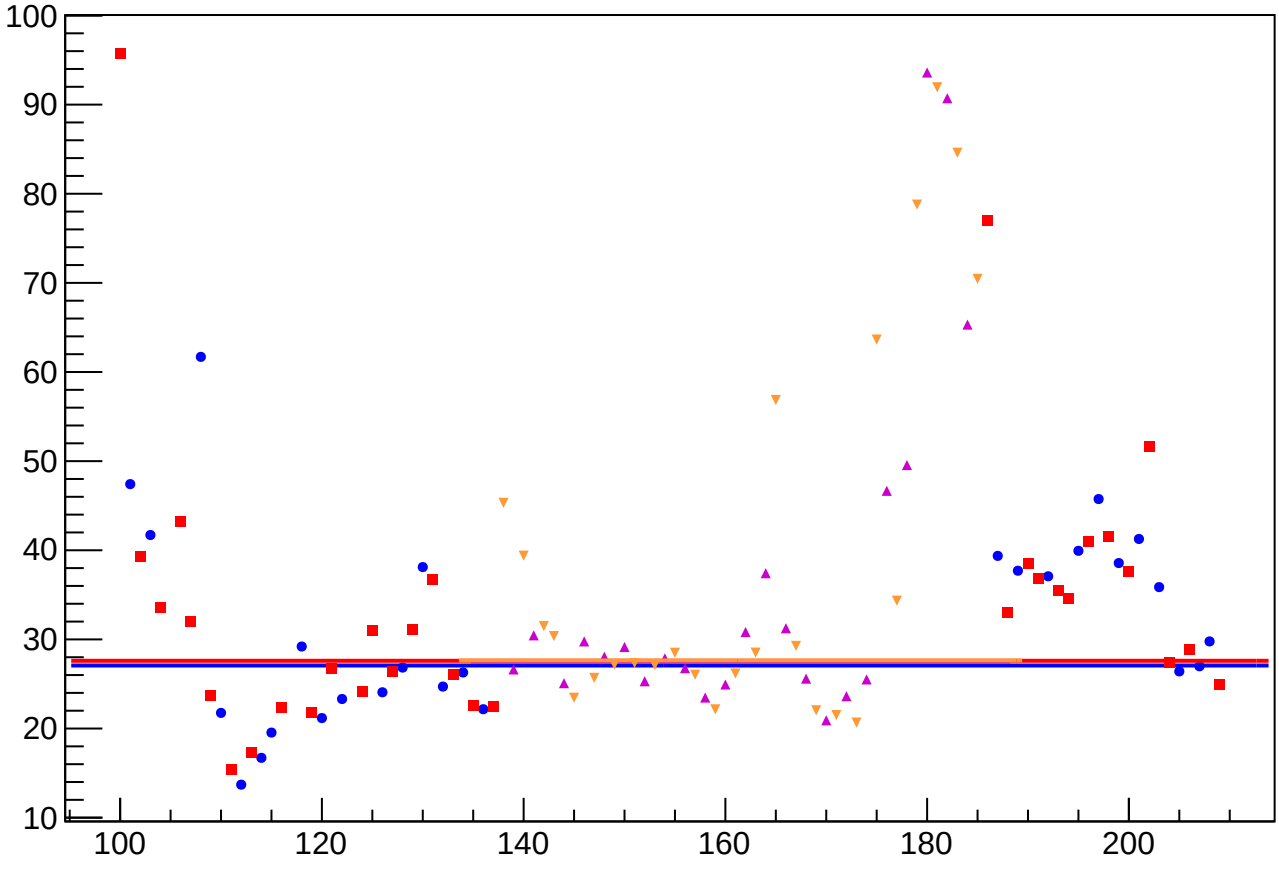
Right: -0.004+/-0.005 χ^2/NDF: 76.7/58

In: -0.006+/-0.005 χ^2/NDF:55.1/49

Out: 0.002+/-0.005 χ^2/NDF:75.0/56

All: -0.002+/-0.004 χ^2/NDF: 131.6/106

asym_sam_15_48_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 27.073+/-0.005 χ^2/NDF: 3057810.2/26

Left Out: 27.635+/-0.005 χ^2/NDF:3974025.3/24

Right Out: 27.603+/-0.005 χ^2/NDF: 2842243.0/31

Left In: 27.524+/-0.005 χ^2/NDF:2634508.8/22

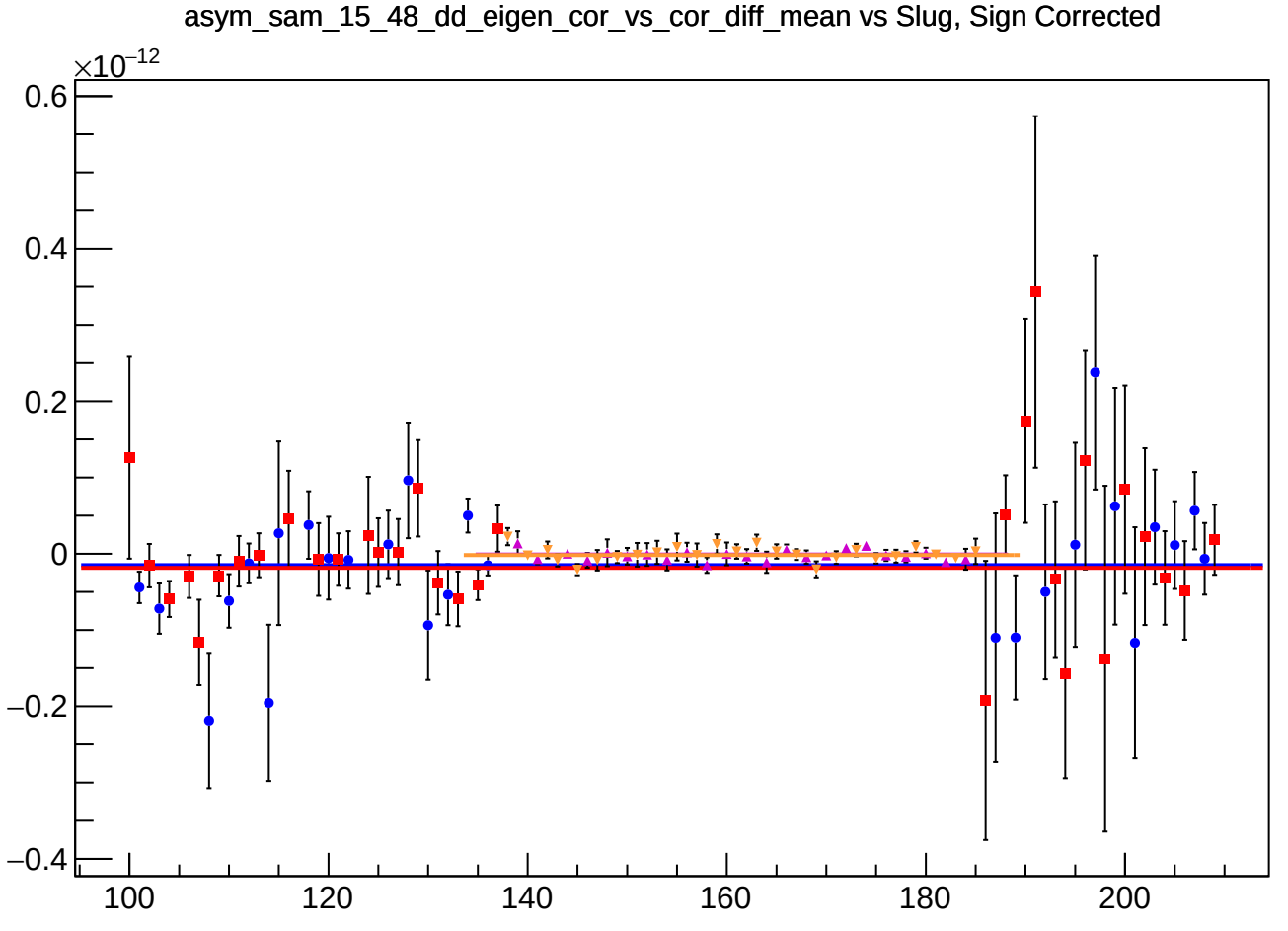
Left: 27.581+/-0.003 χ^2/NDF: 6608790.9/47

Right: 27.347+/-0.004 χ^2/NDF: 5905380.4/58

In: 27.311+/-0.004 χ^2/NDF:5696264.3/49

Out: 27.620+/-0.003 χ^2/NDF:6816289.2/56

All: 27.470+/-0.003 χ^2/NDF: 12516341.7/106



Right In: -0.000+/-0.000 χ^2/NDF: 37.8/26

Left Out: -0.000+/-0.000 χ^2/NDF:24.4/24

Right Out: -0.000+/-0.000 χ^2/NDF: 29.3/31

Left In: -0.000+/-0.000 χ^2/NDF:16.5/22

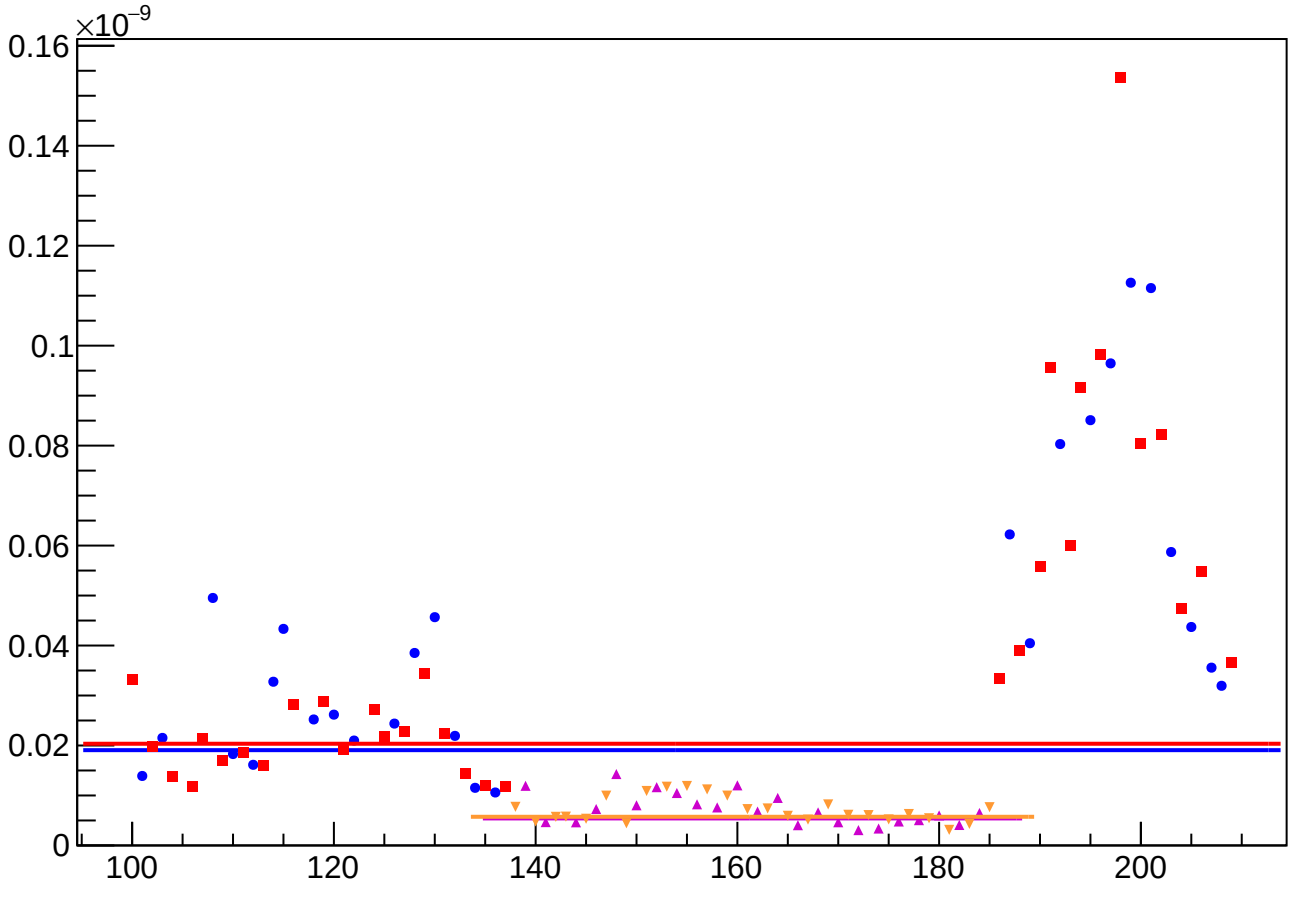
Left: -0.000+/-0.000 χ^2/NDF: 41.0/47

Right: -0.000+/-0.000 χ^2/NDF: 67.3/58

In: -0.000+/-0.000 χ^2/NDF:57.7/49

Out: -0.000+/-0.000 χ^2/NDF:58.5/56

All: -0.000+/-0.000 χ^2/NDF: 116.4/106



Right In: 0.000+/-0.000 χ^2/NDF: 6679620.1/26

Left Out: 0.000+/-0.000 χ^2/NDF:2645460.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 6141036.7/31

Left In: 0.000+/-0.000 χ^2/NDF:3476696.9/22

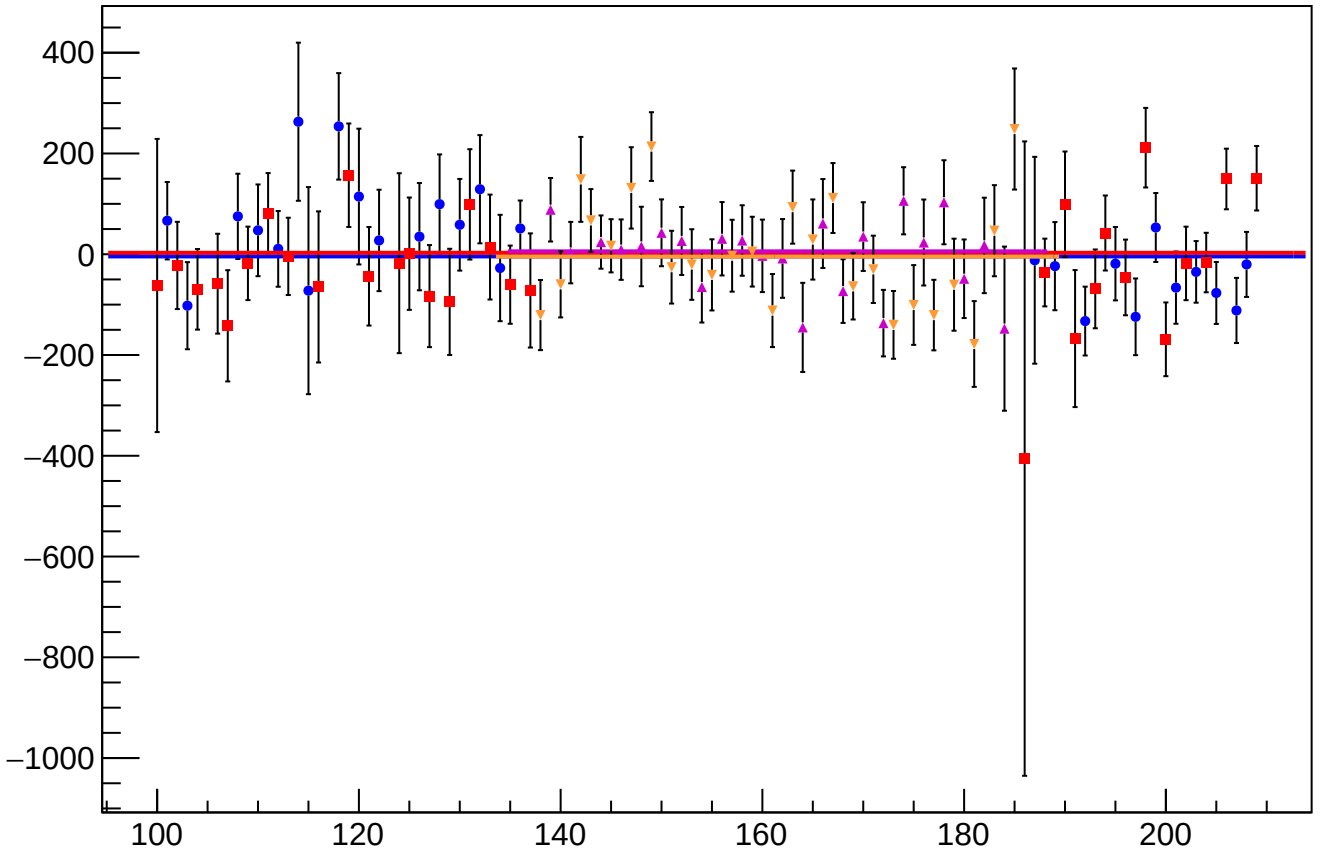
Left: 0.000+/-0.000 χ^2/NDF: 6159899.5/47

Right: 0.000+/-0.000 χ^2/NDF: 12850423.8/58

In: 0.000+/-0.000 χ^2/NDF:16656280.3/49

Out: 0.000+/-0.000 χ^2/NDF:16029035.8/56

All: 0.000+/-0.000 χ^2/NDF: 32732748.1/106



Right In: -4.330+/-15.792 χ^2/NDF: 29.5/26

Left Out: -4.742+/-14.432 χ^2/NDF:47.4/24

Right Out: 2.881+/-15.440 χ^2/NDF: 38.9/31

Left In: 5.776+/-14.931 χ^2/NDF:18.3/22

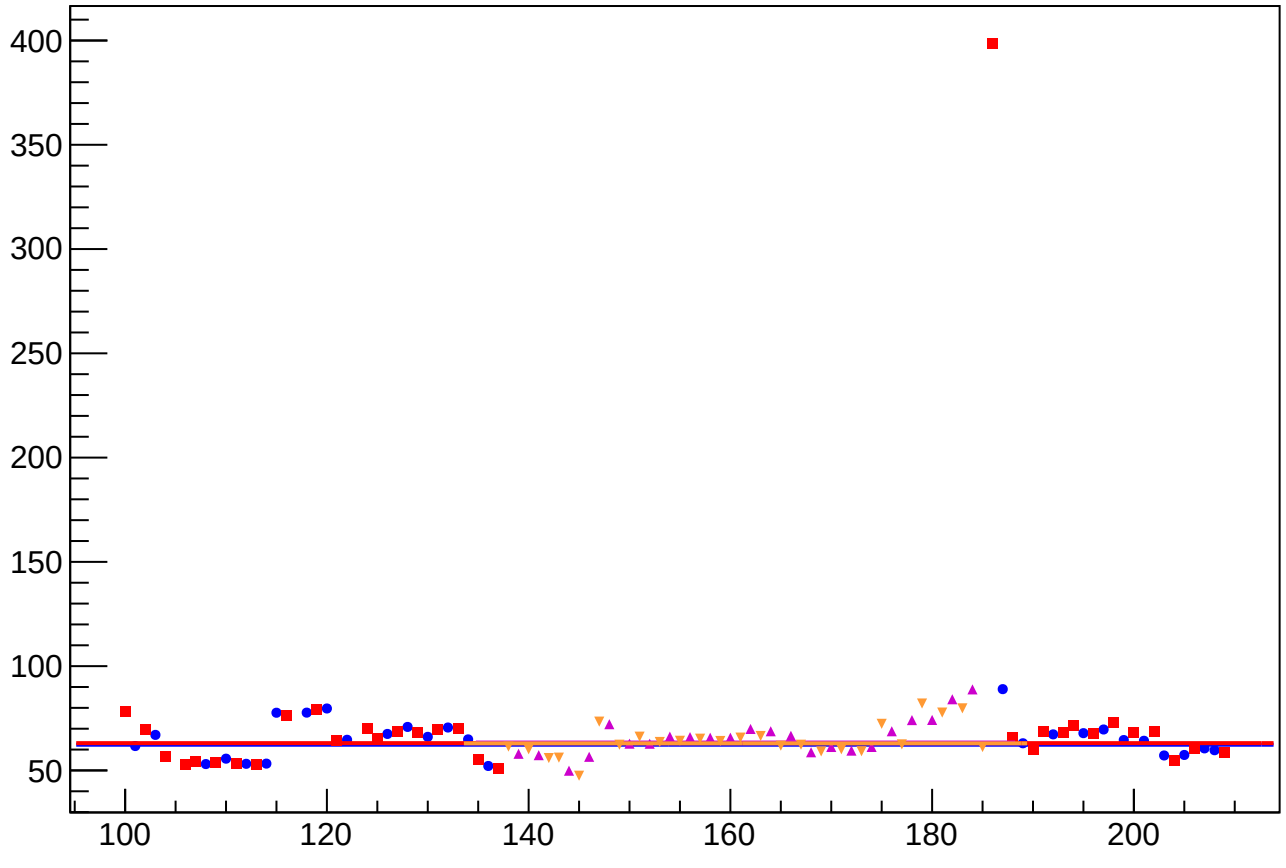
Left: 0.338+/-10.377 χ^2/NDF: 65.9/47

Right: -0.643+/-11.040 χ^2/NDF: 68.6/58

In: 1.006+/-10.849 χ^2/NDF:48.1/49

Out: -1.188+/-10.543 χ^2/NDF:86.4/56

All: -0.122+/-7.561 χ^2/NDF: 134.5/106



Right In: 62.324+/-0.011 χ^2/NDF: 378365.6/26

Left Out: 62.976+/-0.010 χ^2/NDF:526859.8/24

Right Out: 63.088+/-0.011 χ^2/NDF: 1024795.9/31

Left In: 63.365+/-0.011 χ^2/NDF:496926.2/22

Left: 63.164+/-0.007 χ^2/NDF: 1024488.5/47

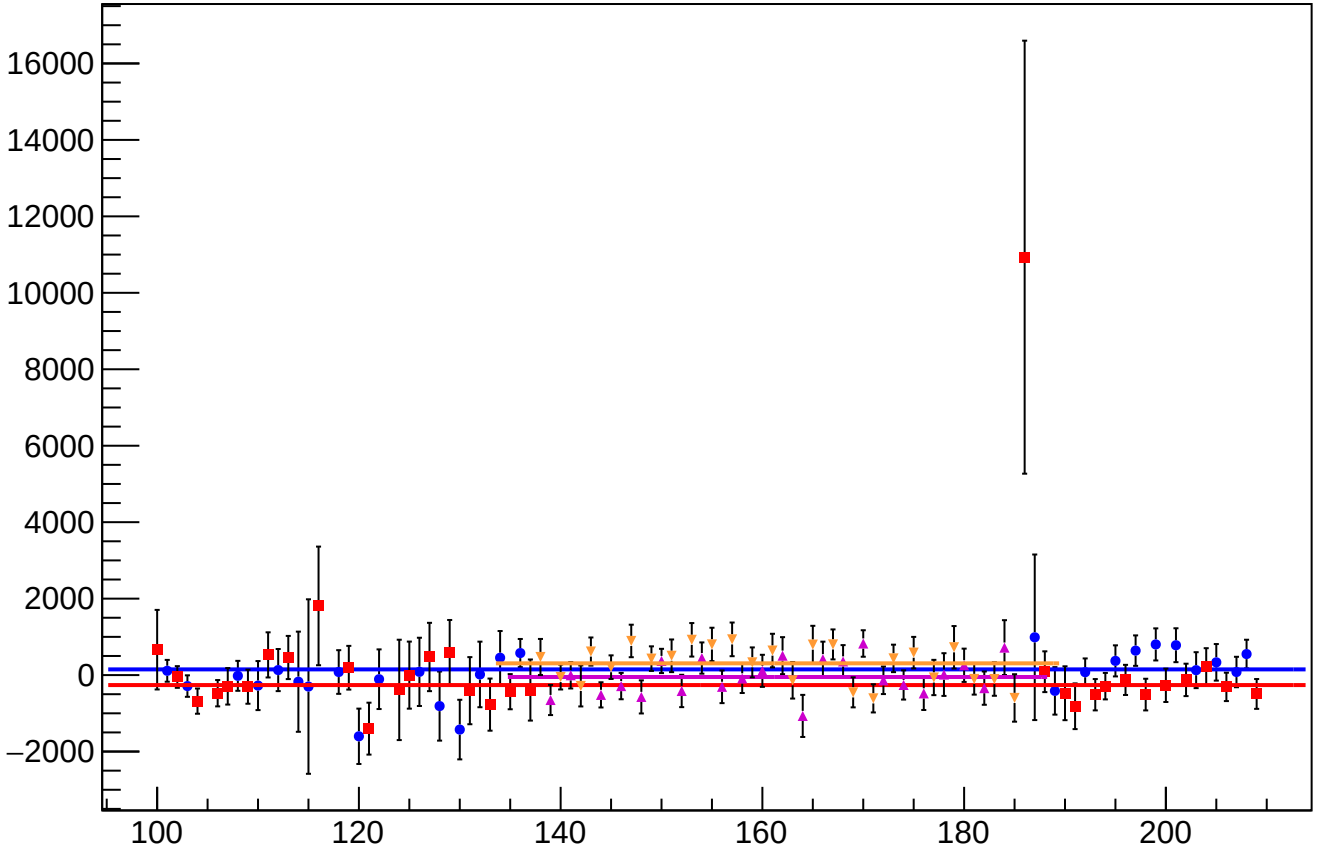
Right: 62.715+/-0.008 χ^2/NDF: 1405555.0/58

In: 62.874+/-0.008 χ^2/NDF:879884.3/49

Out: 63.028+/-0.007 χ^2/NDF:1551711.6/56

All: 62.953+/-0.005 χ^2/NDF: 2431804.5/106

asym_sam_37_48_dd_reg_correction_mean vs Slug, Sign Corrected



Right In: 149.129+/-93.071 χ^2/NDF: 24.5/26

Left Out: 307.183+/-82.361 χ^2/NDF:30.6/24

Right Out: -261.100+/-87.661 χ^2/NDF: 22.2/31

Left In: -50.030+/-84.838 χ^2/NDF:27.3/22

Left: 133.867+/-59.094 χ^2/NDF: 67.0/47

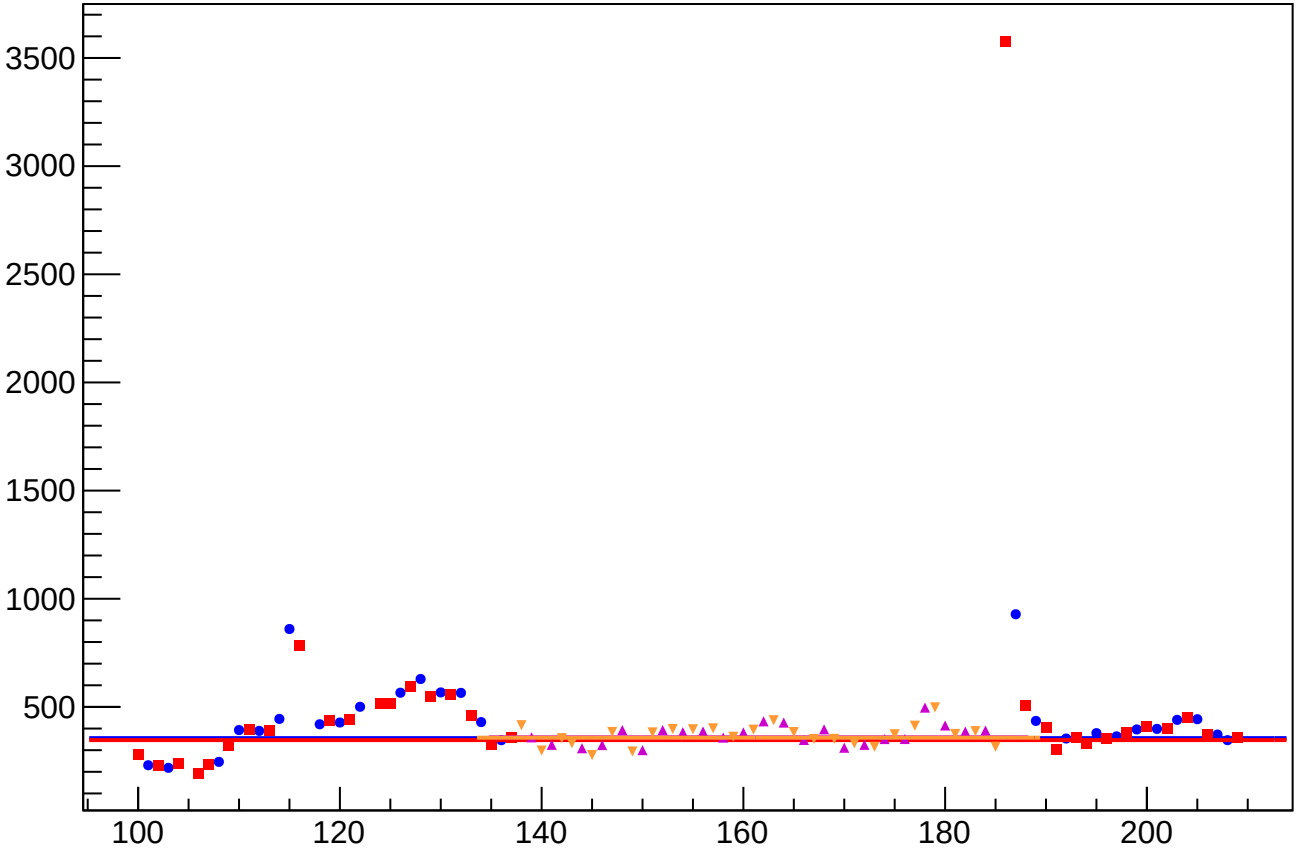
Right: -68.256+/-63.812 χ^2/NDF: 57.0/58

In: 40.353+/-62.699 χ^2/NDF:54.3/49

Out: 40.737+/-60.024 χ^2/NDF:75.1/56

All: 40.553+/-43.358 χ^2/NDF: 129.4/106

asym_sam_37_48_dd_reg_correction_rms vs Slug, Sign Corrected



Right In: 355.674+/-0.066 χ^2/NDF: 2191101.2/26

Left Out: 357.731+/-0.058 χ^2/NDF:683730.4/24

Right Out: 346.682+/-0.062 χ^2/NDF: 2987513.8/31

Left In: 359.350+/-0.060 χ^2/NDF:519759.9/22

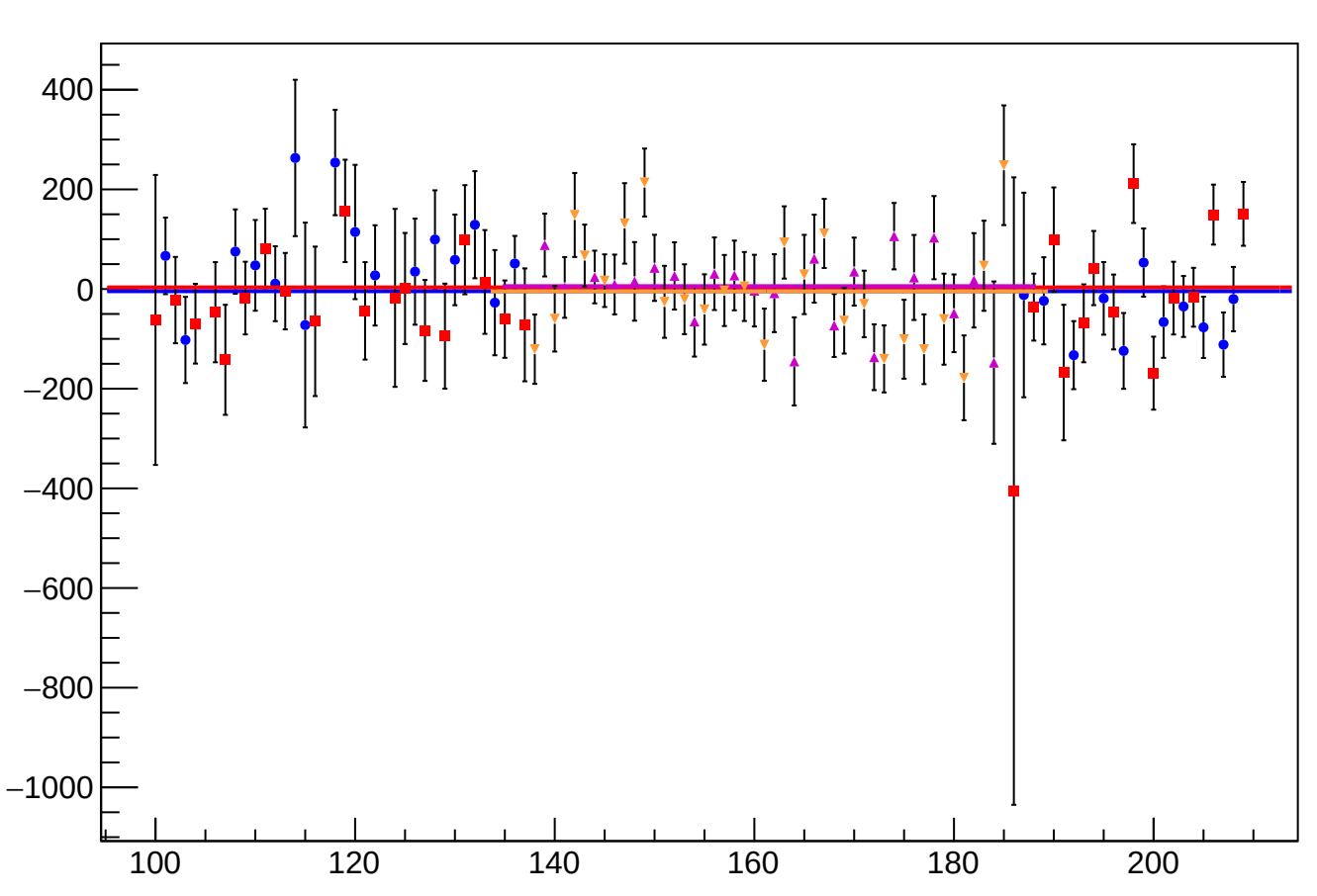
Left: 358.517+/-0.042 χ^2/NDF: 1203865.1/47

Right: 350.909+/-0.045 χ^2/NDF: 5188506.8/58

In: 357.682+/-0.044 χ^2/NDF:2712565.5/49

Out: 352.551+/-0.042 χ^2/NDF:3688121.4/56

All: 355.004+/-0.031 χ^2/NDF: 6407675.0/106



Right In: -4.336+/-15.792 χ^2/NDF: 29.5/26

Left Out: -4.748+/-14.432 χ^2/NDF:47.4/24

Right Out: 3.206+/-15.445 χ^2/NDF: 38.8/31

Left In: 5.775+/-14.931 χ^2/NDF:18.3/22

Left: 0.335+/-10.377 χ^2/NDF: 65.9/47

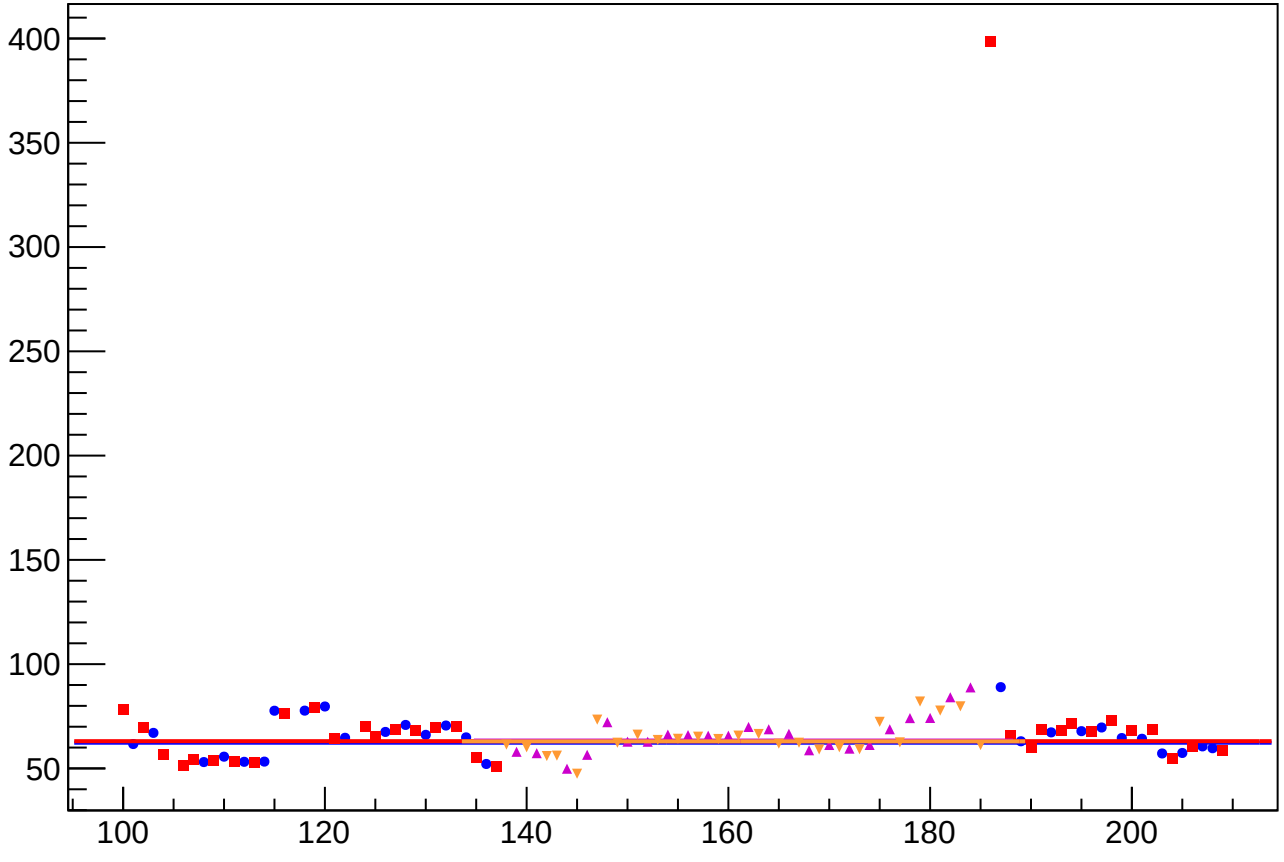
Right: -0.481+/-11.042 χ^2/NDF: 68.4/58

In: 1.003+/-10.849 χ^2/NDF:48.1/49

Out: -1.040+/-10.545 χ^2/NDF:86.3/56

All: -0.048+/-7.562 χ^2/NDF: 134.3/106

cor_asym_sam_37_48_dd_rms vs Slug, Sign Corrected



Right In: 62.324+/-0.011 χ^2/NDF: 378365.8/26

Left Out: 62.976+/-0.010 χ^2/NDF:526859.8/24

Right Out: 63.070+/-0.011 χ^2/NDF: 1028849.3/31

Left In: 63.365+/-0.011 χ^2/NDF:496926.2/22

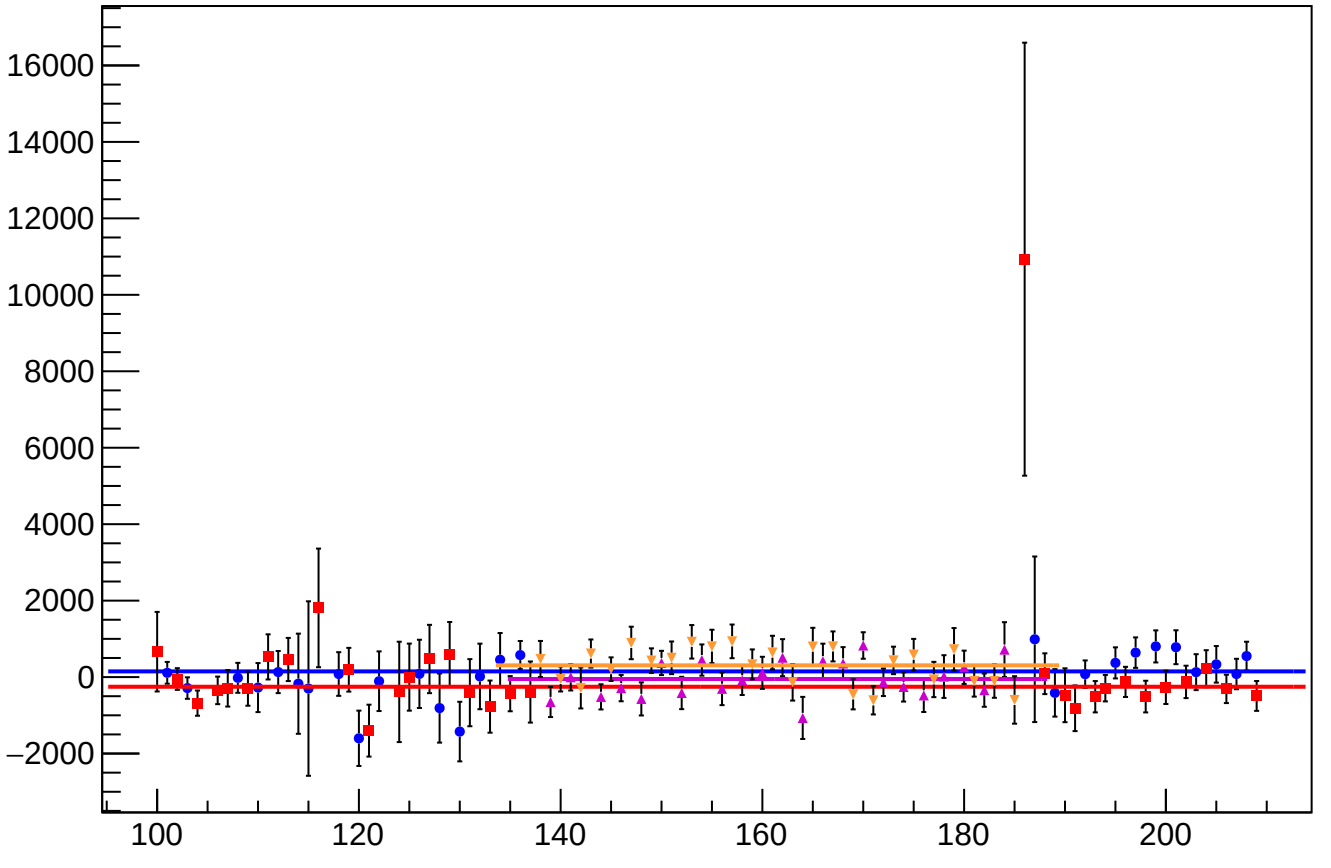
Left: 63.164+/-0.007 χ^2/NDF: 1024488.6/47

Right: 62.705+/-0.008 χ^2/NDF: 1409498.6/58

In: 62.874+/-0.008 χ^2/NDF:879884.5/49

Out: 63.020+/-0.007 χ^2/NDF:1555748.8/56

All: 62.949+/-0.005 χ^2/NDF: 2435820.2/106



Right In: 149.135+/-93.072 χ^2/NDF: 24.5/26

Left Out: 307.177+/-82.361 χ^2/NDF:30.6/24

Right Out: -252.501+/-87.914 χ^2/NDF: 21.8/31

Left In: -50.029+/-84.838 χ^2/NDF:27.3/22

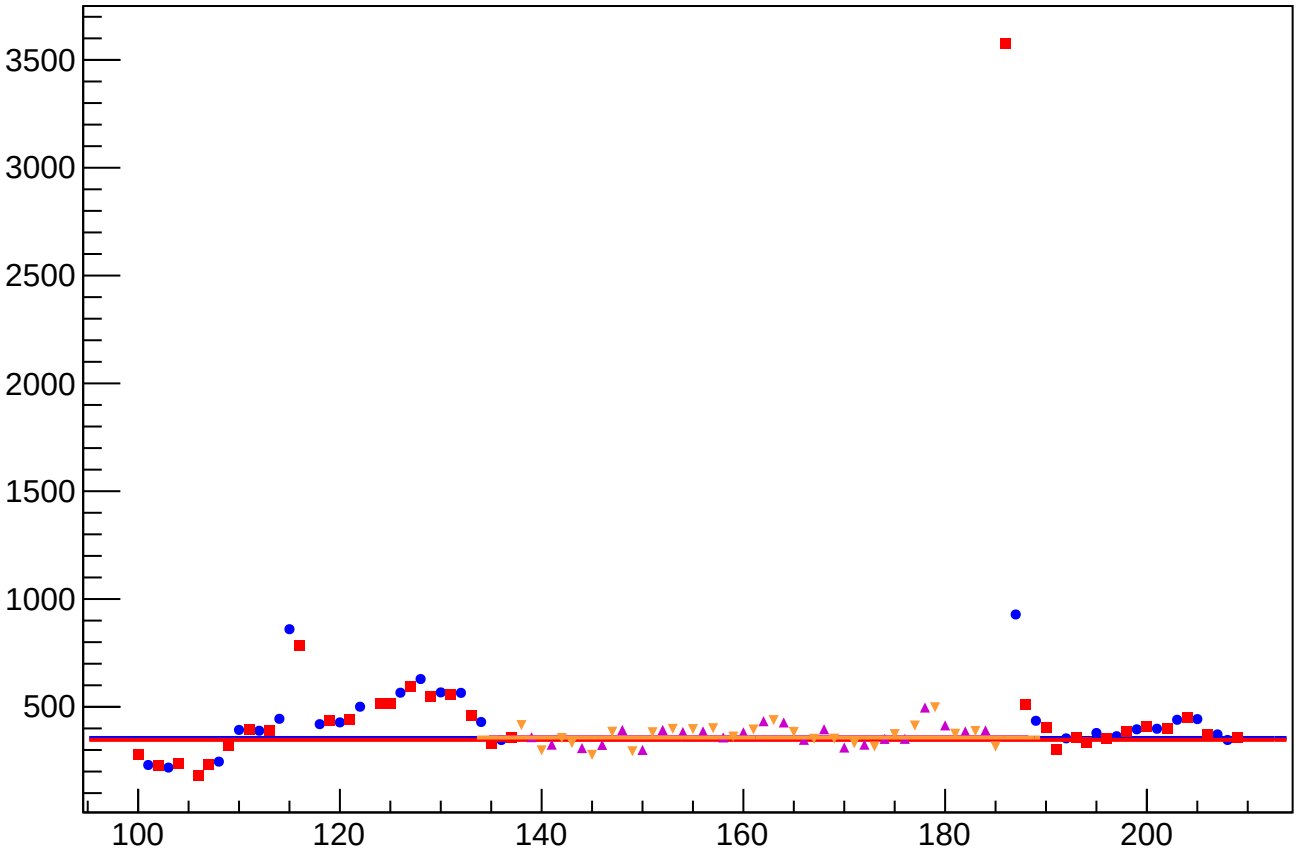
Left: 133.864+/-59.094 χ^2/NDF: 67.0/47

Right: -63.118+/-63.910 χ^2/NDF: 56.2/58

In: 40.356+/-62.699 χ^2/NDF:54.3/49

Out: 45.571+/-60.106 χ^2/NDF:74.1/56

All: 43.073+/-43.389 χ^2/NDF: 128.3/106



Right In: 355.675+/-0.066 χ^2/NDF: 2191019.6/26

Left Out: 357.732+/-0.058 χ^2/NDF:683726.4/24

Right Out: 346.969+/-0.062 χ^2/NDF: 3002655.5/31

Left In: 359.350+/-0.060 χ^2/NDF:519762.7/22

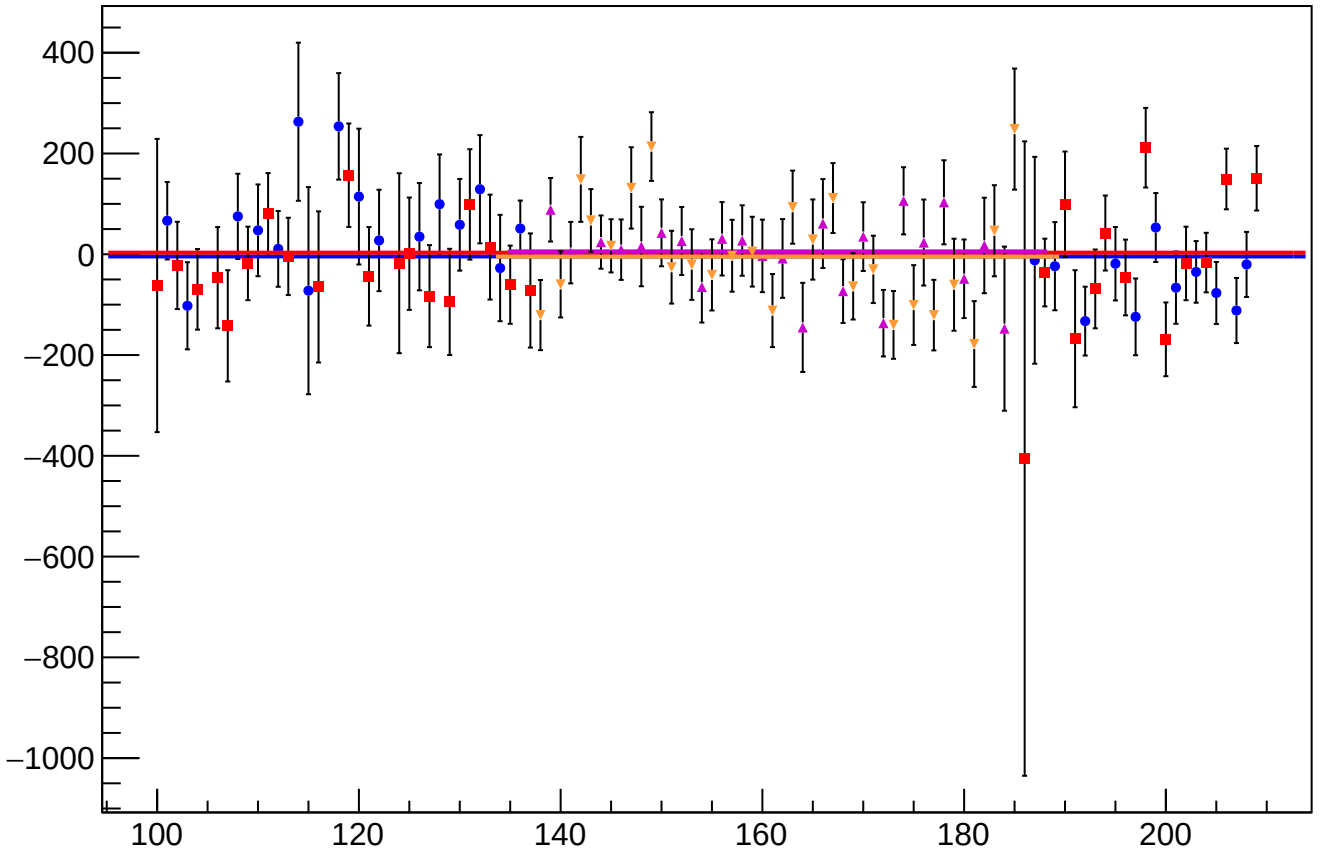
Left: 358.517+/-0.042 χ^2/NDF: 1203863.9/47

Right: 351.074+/-0.045 χ^2/NDF: 5202923.4/58

In: 357.682+/-0.044 χ^2/NDF:2712485.1/49

Out: 352.701+/-0.043 χ^2/NDF:3702344.4/56

All: 355.087+/-0.031 χ^2/NDF: 6421408.2/106



Right In: -4.336+/-15.792 χ^2/NDF: 29.5/26

Left Out: -4.748+/-14.432 χ^2/NDF:47.4/24

Right Out: 3.206+/-15.445 χ^2/NDF: 38.8/31

Left In: 5.775+/-14.931 χ^2/NDF:18.3/22

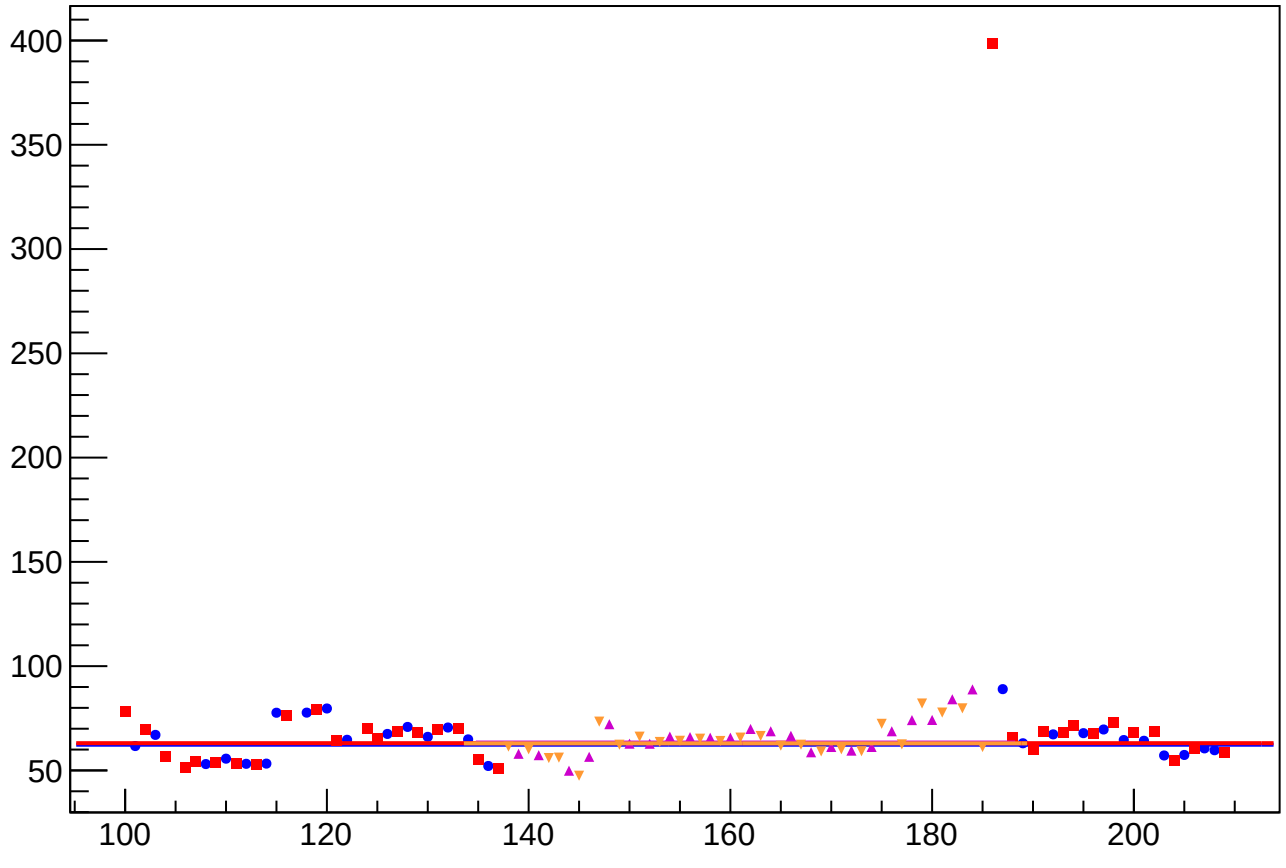
Left: 0.335+/-10.377 χ^2/NDF: 65.9/47

Right: -0.481+/-11.042 χ^2/NDF: 68.4/58

In: 1.003+/-10.849 χ^2/NDF:48.1/49

Out: -1.040+/-10.545 χ^2/NDF:86.3/56

All: -0.048+/-7.562 χ^2/NDF: 134.3/106



Right In: 62.324+/-0.011 χ^2/NDF: 378365.8/26

Left Out: 62.976+/-0.010 χ^2/NDF:526859.8/24

Right Out: 63.070+/-0.011 χ^2/NDF: 1028849.3/31

Left In: 63.365+/-0.011 χ^2/NDF:496926.2/22

Left: 63.164+/-0.007 χ^2/NDF: 1024488.6/47

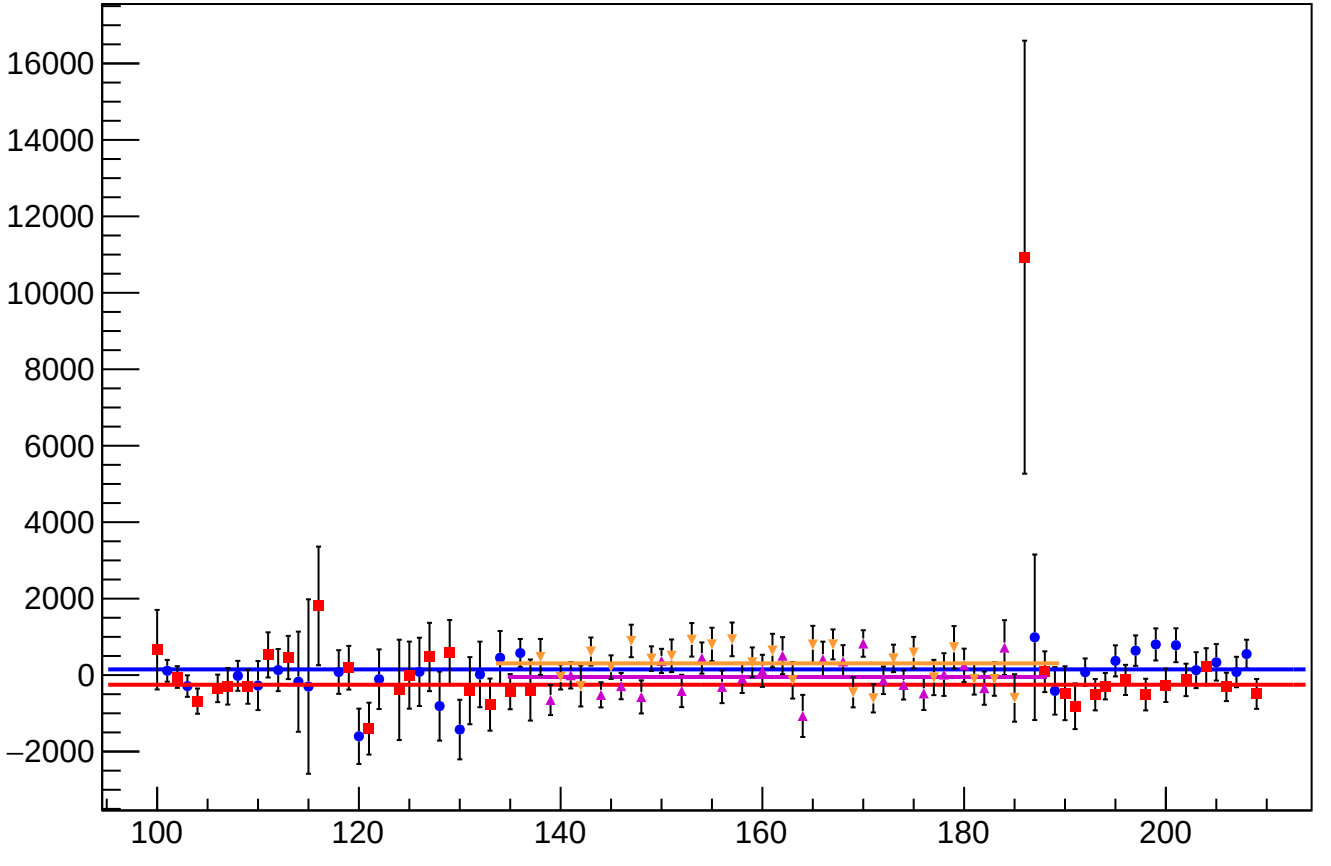
Right: 62.705+/-0.008 χ^2/NDF: 1409498.6/58

In: 62.874+/-0.008 χ^2/NDF:879884.5/49

Out: 63.020+/-0.007 χ^2/NDF:1555748.8/56

All: 62.949+/-0.005 χ^2/NDF: 2435820.2/106

asym_sam_37_48_dd_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: 149.135+/-93.072 χ^2/NDF: 24.5/26

Left Out: 307.177+/-82.361 χ^2/NDF:30.6/24

Right Out: -252.501+/-87.914 χ^2/NDF: 21.8/31

Left In: -50.029+/-84.838 χ^2/NDF:27.3/22

Left: 133.864+/-59.094 χ^2/NDF: 67.0/47

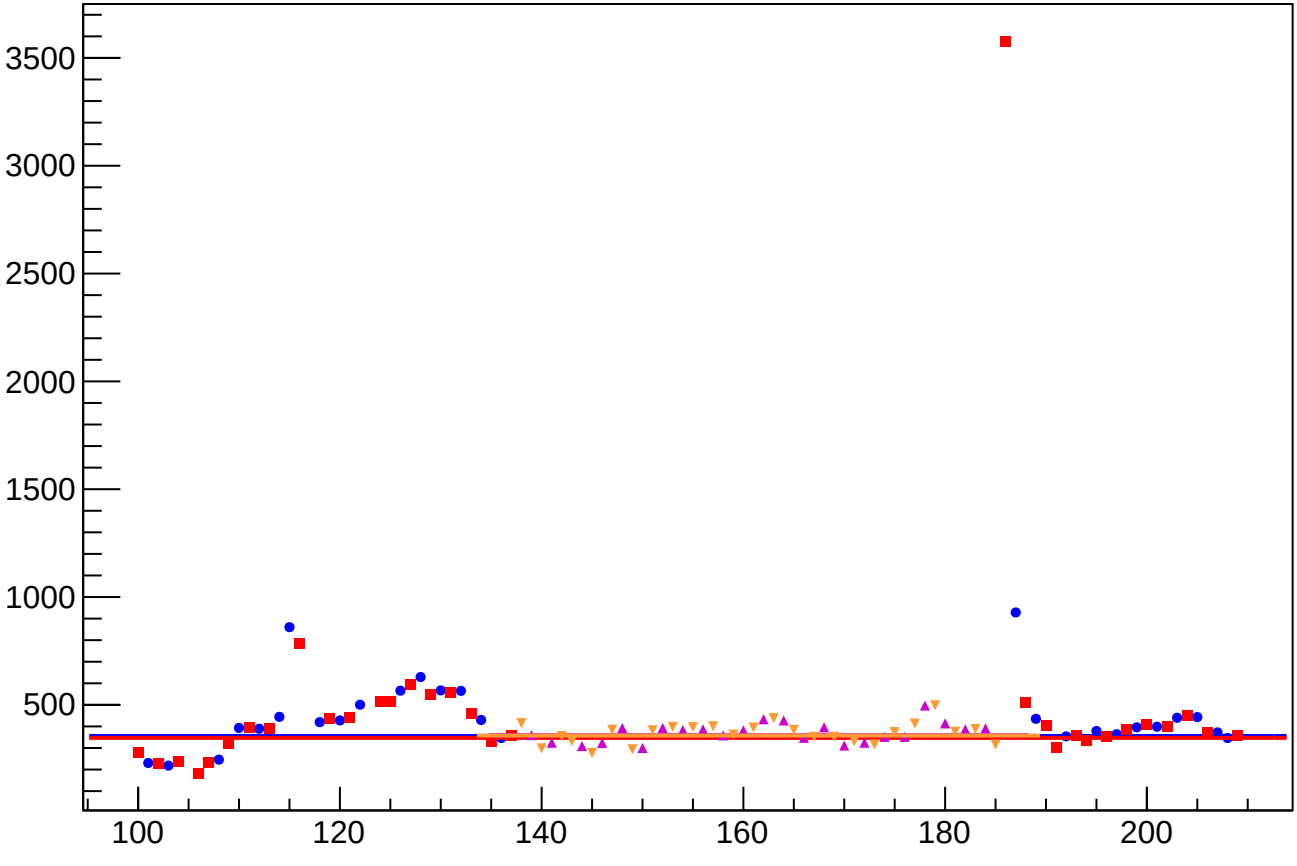
Right: -63.118+/-63.910 χ^2/NDF: 56.2/58

In: 40.356+/-62.699 χ^2/NDF:54.3/49

Out: 45.571+/-60.106 χ^2/NDF:74.1/56

All: 43.073+/-43.389 χ^2/NDF: 128.3/106

asym_sam_37_48_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 355.675+/-0.066 χ^2/NDF: 2191019.6/26

Left Out: 357.732+/-0.058 χ^2/NDF:683726.4/24

Right Out: 346.969+/-0.062 χ^2/NDF: 3002655.5/31

Left In: 359.350+/-0.060 χ^2/NDF:519762.7/22

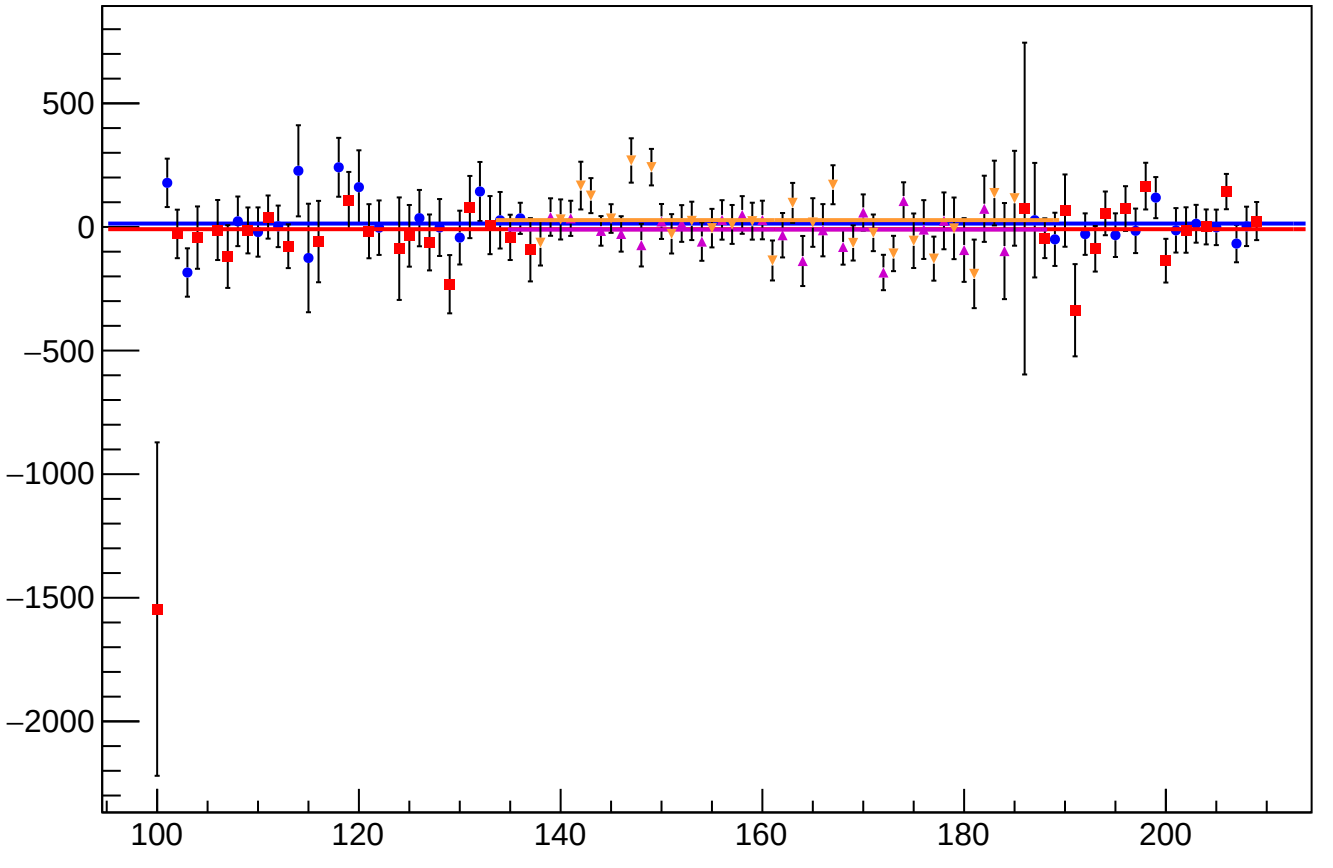
Left: 358.517+/-0.042 χ^2/NDF: 1203863.9/47

Right: 351.074+/-0.045 χ^2/NDF: 5202923.4/58

In: 357.682+/-0.044 χ^2/NDF:2712485.1/49

Out: 352.701+/-0.043 χ^2/NDF:3702344.4/56

All: 355.087+/-0.031 χ^2/NDF: 6421408.2/106



Right In: 13.716+/-18.578 χ^2/NDF: 19.0/26

Left Out: 27.627+/-16.742 χ^2/NDF:42.4/24

Right Out: -9.005+/-18.434 χ^2/NDF: 29.0/31

Left In: -10.521+/-17.225 χ^2/NDF:16.1/22

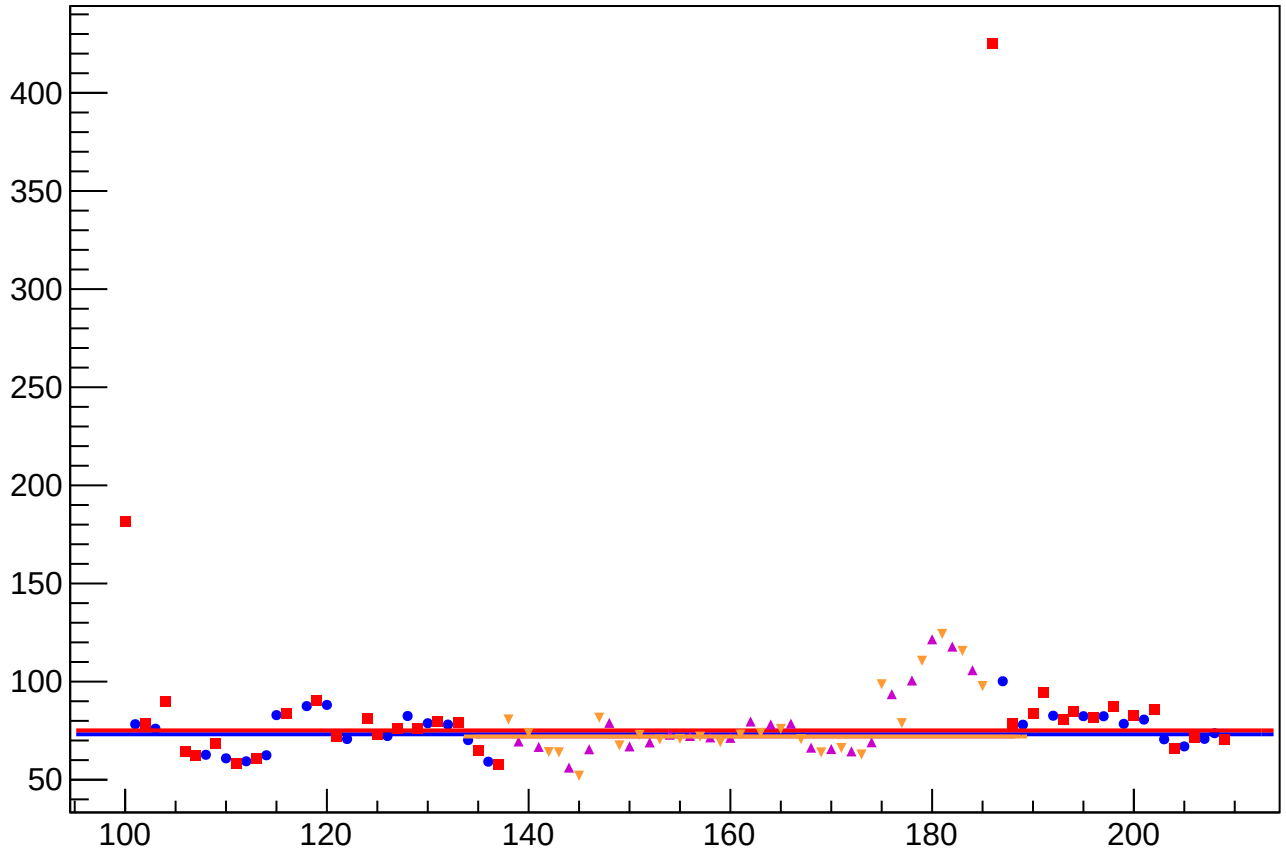
Left: 9.095+/-12.006 χ^2/NDF: 60.9/47

Right: 2.267+/-13.086 χ^2/NDF: 48.8/58

In: 0.683+/-12.631 χ^2/NDF:36.0/49

Out: 11.069+/-12.394 χ^2/NDF:73.5/56

All: 5.975+/-8.846 χ^2/NDF: 109.9/106



Right In: 73.173+/-0.013 χ^2/NDF: 435474.4/26

Left Out: 72.041+/-0.012 χ^2/NDF:1269471.8/24

Right Out: 75.139+/-0.013 χ^2/NDF: 1102732.8/31

Left In: 72.092+/-0.012 χ^2/NDF:1058857.2/22

Left: 72.066+/-0.008 χ^2/NDF: 2328338.2/47

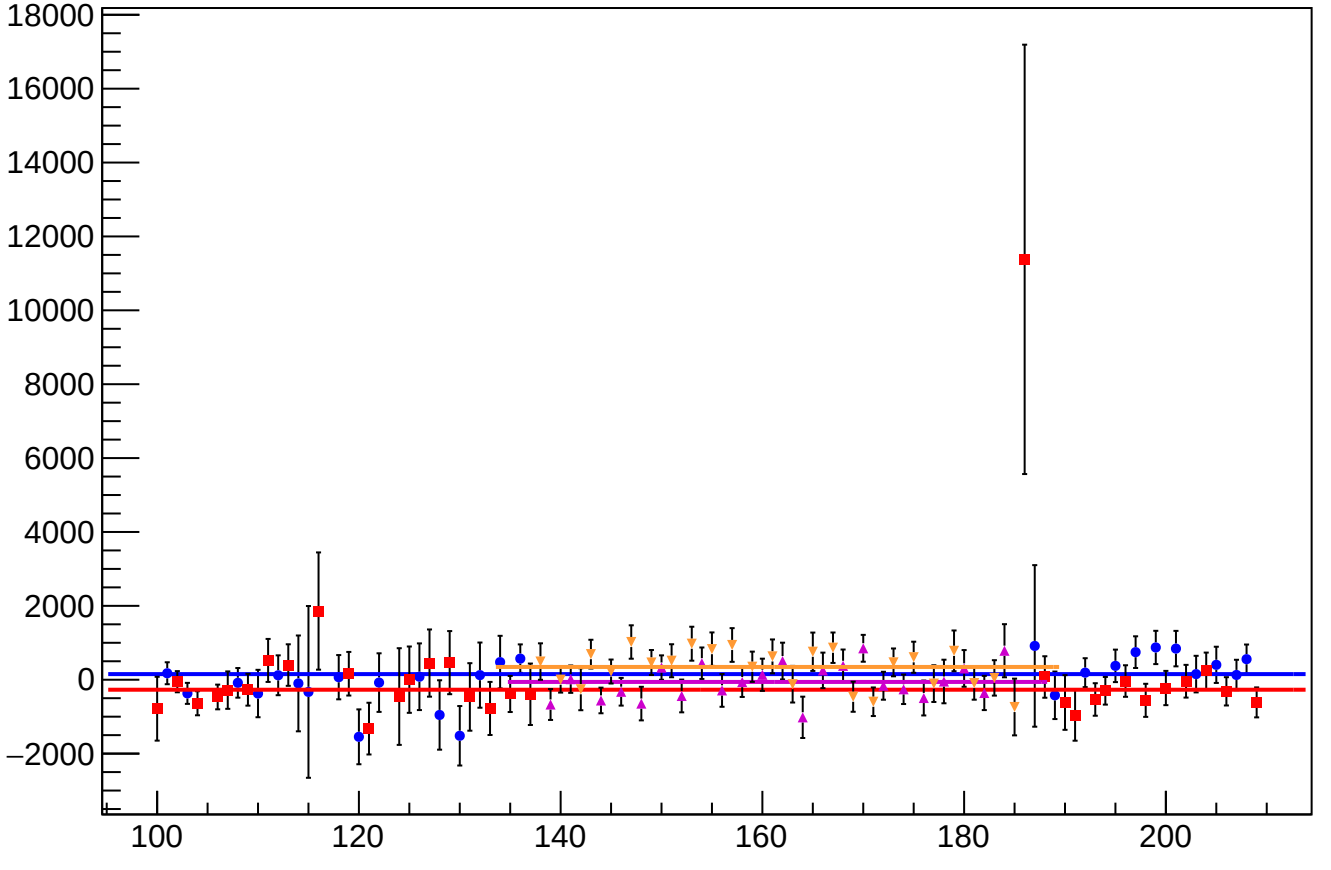
Right: 74.164+/-0.009 χ^2/NDF: 1549497.6/58

In: 72.592+/-0.009 χ^2/NDF:1497970.3/49

Out: 73.441+/-0.009 χ^2/NDF:2403167.7/56

All: 73.025+/-0.006 χ^2/NDF: 3905747.5/106

asym_sam_37_48_dd_dit_correction_mean vs Slug, Sign Corrected



Right In: 152.264+/-97.036 χ^2/NDF: 25.9/26

Left Out: 345.973+/-86.822 χ^2/NDF:28.9/24

Right Out: -270.539+/-90.389 χ^2/NDF: 21.3/31

Left In: -59.908+/-89.411 χ^2/NDF:25.8/22

Left: 148.994+/-62.288 χ^2/NDF: 65.4/47

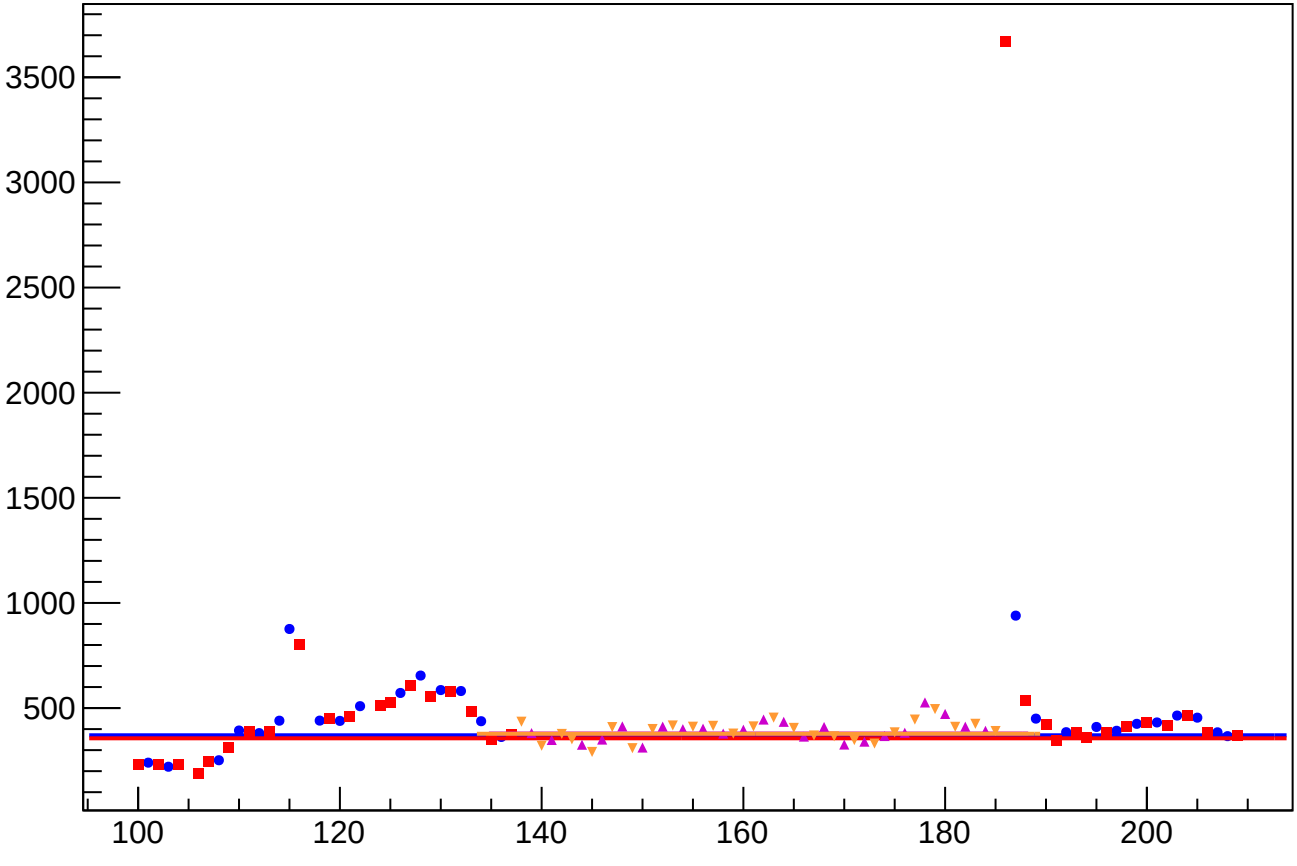
Right: -74.113+/-66.139 χ^2/NDF: 57.4/58

In: 37.517+/-65.754 χ^2/NDF:54.4/49

Out: 50.119+/-62.615 χ^2/NDF:74.4/56

All: 44.126+/-45.345 χ^2/NDF: 128.8/106

asym_sam_37_48_dd_dit_correction_rms vs Slug, Sign Corrected



Right In: 370.611+/-0.069 χ^2/NDF: 2262968.8/26

Left Out: 377.797+/-0.061 χ^2/NDF:636714.9/24

Right Out: 356.181+/-0.064 χ^2/NDF: 3265455.2/31

Left In: 378.869+/-0.063 χ^2/NDF:527685.1/22

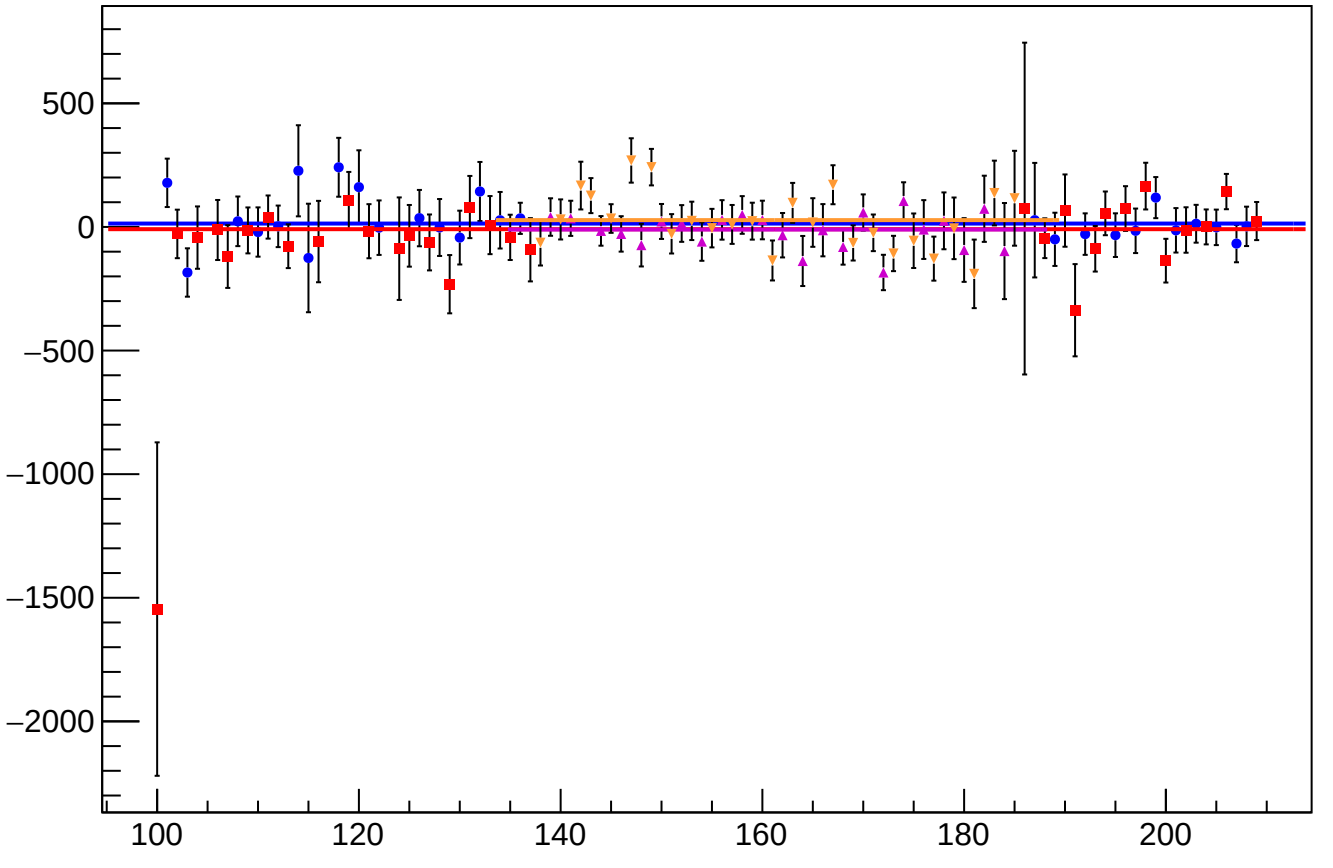
Left: 378.317+/-0.044 χ^2/NDF: 1164548.1/47

Right: 362.885+/-0.047 χ^2/NDF: 5552104.7/58

In: 375.077+/-0.046 χ^2/NDF:2798488.6/49

Out: 367.424+/-0.044 χ^2/NDF:3961661.0/56

All: 371.063+/-0.032 χ^2/NDF: 6774360.1/106



Right In: 13.716+/-18.578 χ^2/NDF: 19.0/26

Left Out: 27.626+/-16.742 χ^2/NDF:42.4/24

Right Out: -9.005+/-18.434 χ^2/NDF: 29.0/31

Left In: -10.521+/-17.225 χ^2/NDF:16.1/22

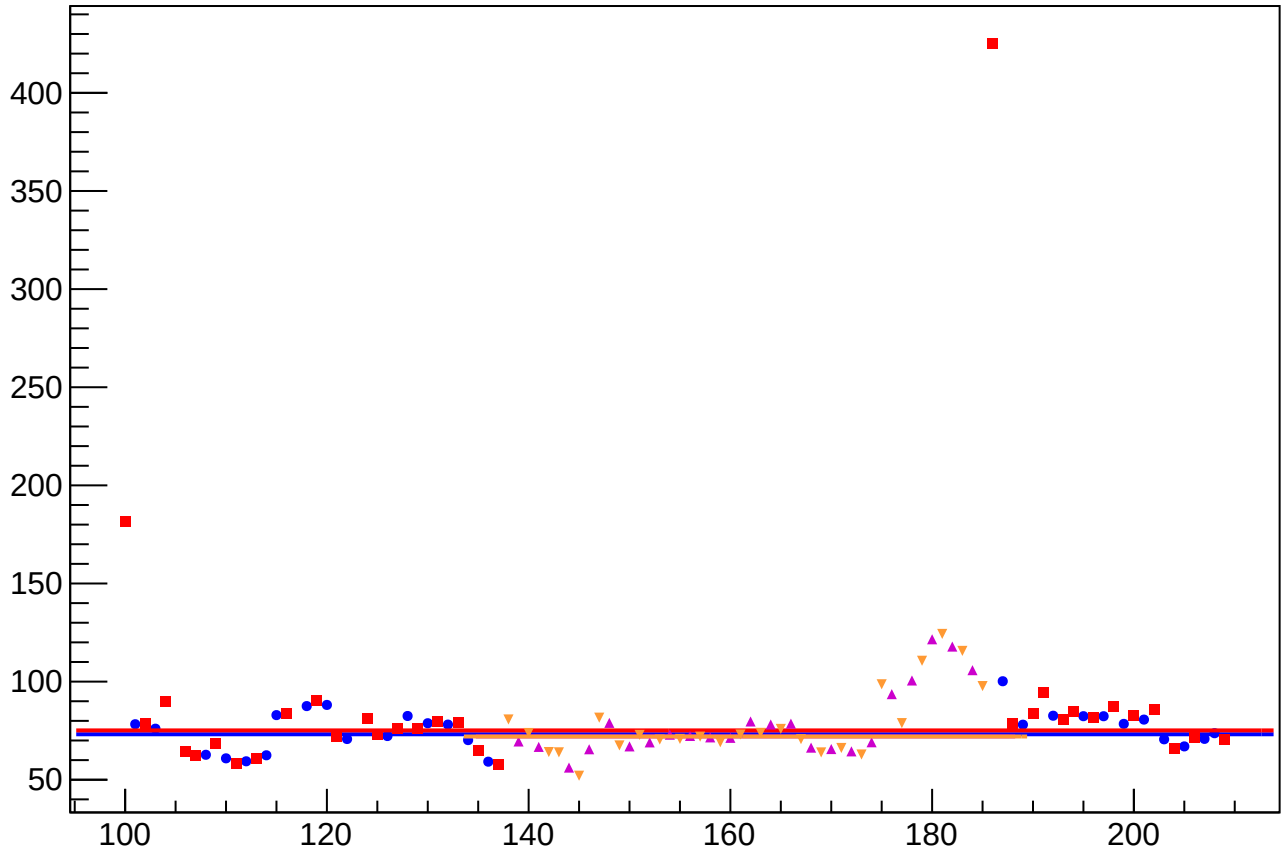
Left: 9.095+/-12.006 χ^2/NDF: 60.9/47

Right: 2.267+/-13.086 χ^2/NDF: 48.8/58

In: 0.683+/-12.631 χ^2/NDF:36.0/49

Out: 11.069+/-12.394 χ^2/NDF:73.5/56

All: 5.974+/-8.846 χ^2/NDF: 109.9/106



Right In: 73.173+/-0.013 χ^2/NDF: 435472.4/26

Left Out: 72.041+/-0.012 χ^2/NDF:1269479.1/24

Right Out: 75.139+/-0.013 χ^2/NDF: 1102733.4/31

Left In: 72.092+/-0.012 χ^2/NDF:1058847.4/22

Left: 72.066+/-0.008 χ^2/NDF: 2328335.7/47

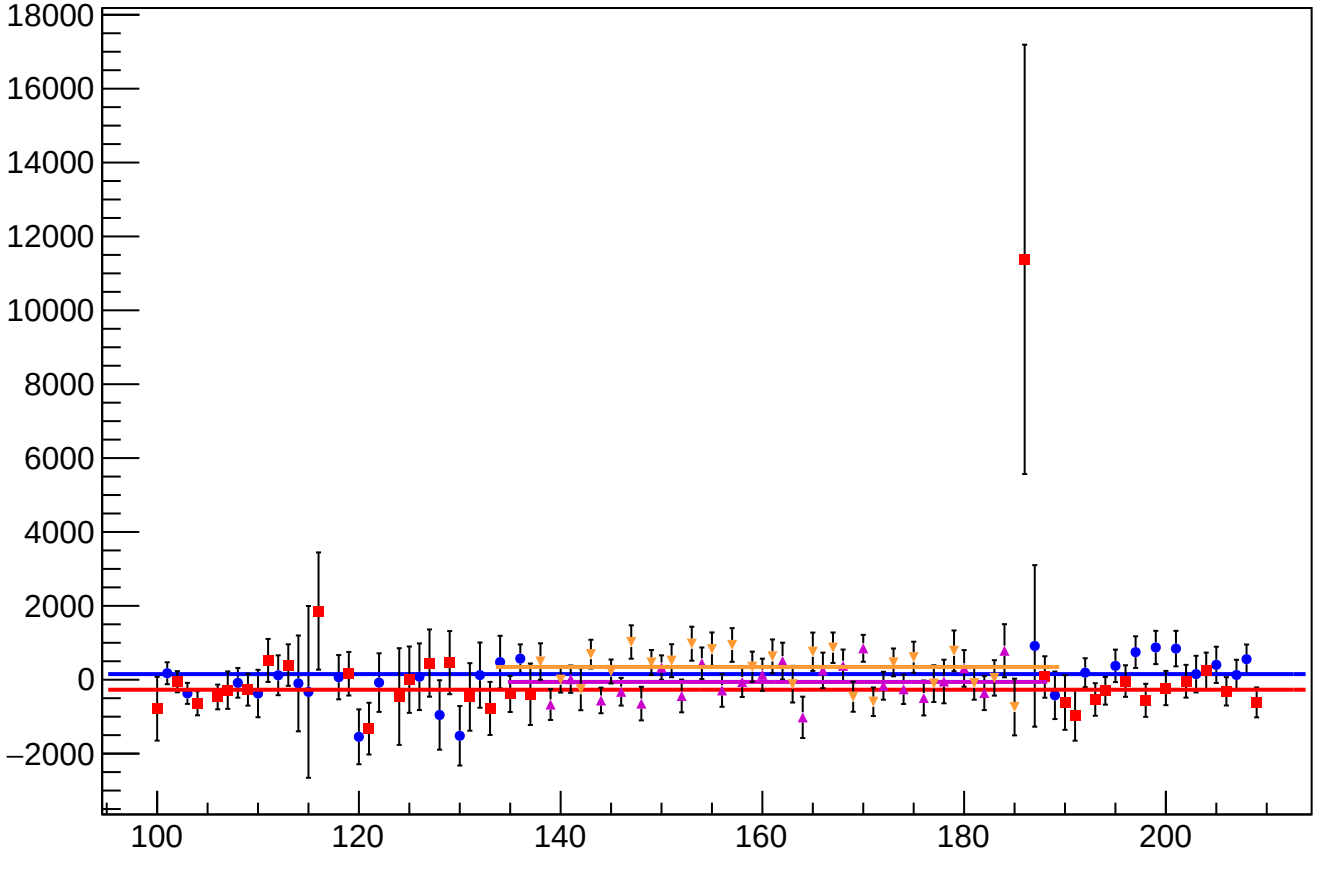
Right: 74.164+/-0.009 χ^2/NDF: 1549495.7/58

In: 72.592+/-0.009 χ^2/NDF:1497958.7/49

Out: 73.441+/-0.009 χ^2/NDF:2403175.5/56

All: 73.024+/-0.006 χ^2/NDF: 3905743.6/106

asym_sam_37_48_dd_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: 152.264+/-97.036 χ^2/NDF: 25.9/26

Left Out: 345.972+/-86.822 χ^2/NDF:28.9/24

Right Out: -270.538+/-90.388 χ^2/NDF: 21.3/31

Left In: -59.907+/-89.411 χ^2/NDF:25.8/22

Left: 148.994+/-62.288 χ^2/NDF: 65.4/47

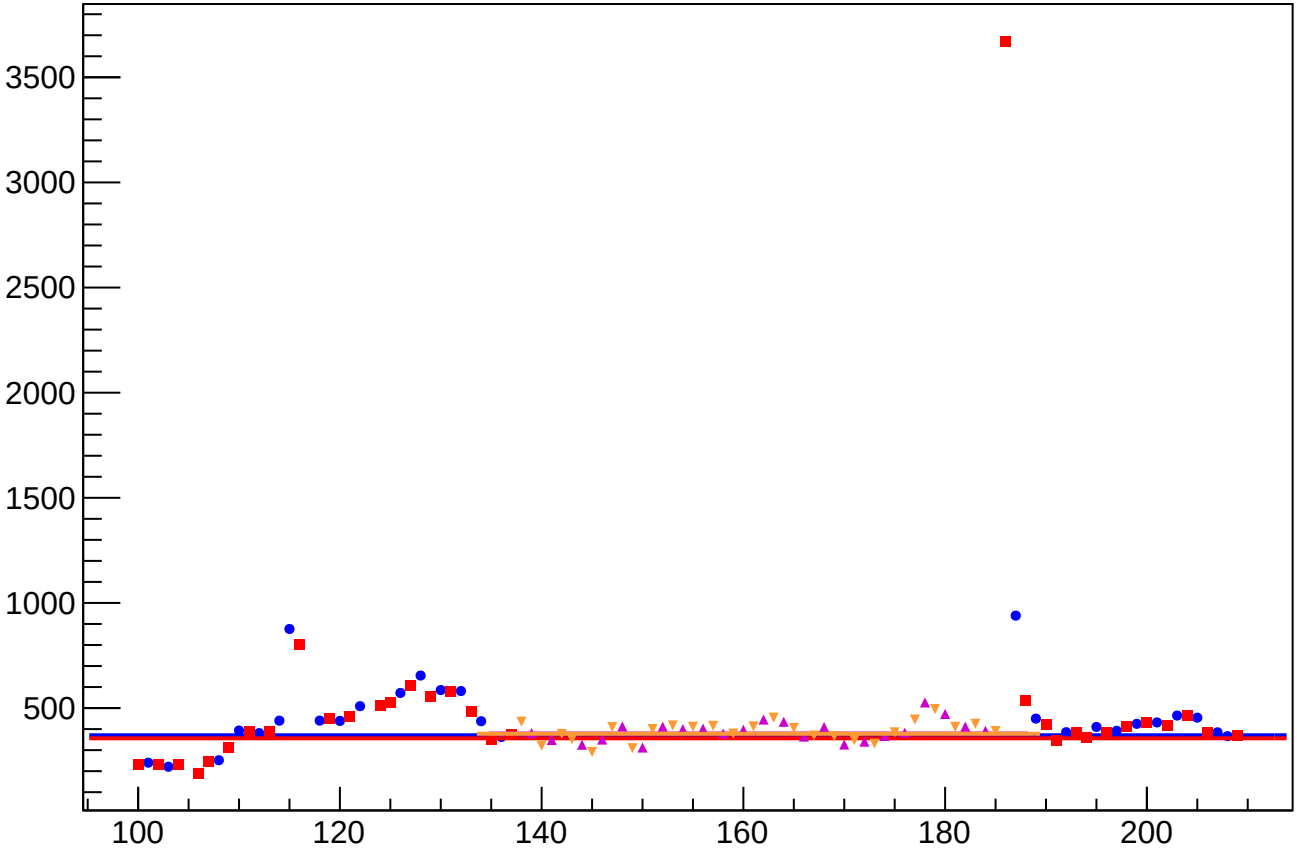
Right: -74.113+/-66.139 χ^2/NDF: 57.4/58

In: 37.516+/-65.754 χ^2/NDF:54.4/49

Out: 50.119+/-62.615 χ^2/NDF:74.4/56

All: 44.125+/-45.345 χ^2/NDF: 128.8/106

asym_sam_37_48_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 370.611+/-0.069 χ^2/NDF: 2262958.8/26

Left Out: 377.796+/-0.061 χ^2/NDF:636714.9/24

Right Out: 356.181+/-0.064 χ^2/NDF: 3265442.1/31

Left In: 378.869+/-0.063 χ^2/NDF:527680.9/22

Left: 378.317+/-0.044 χ^2/NDF: 1164543.9/47

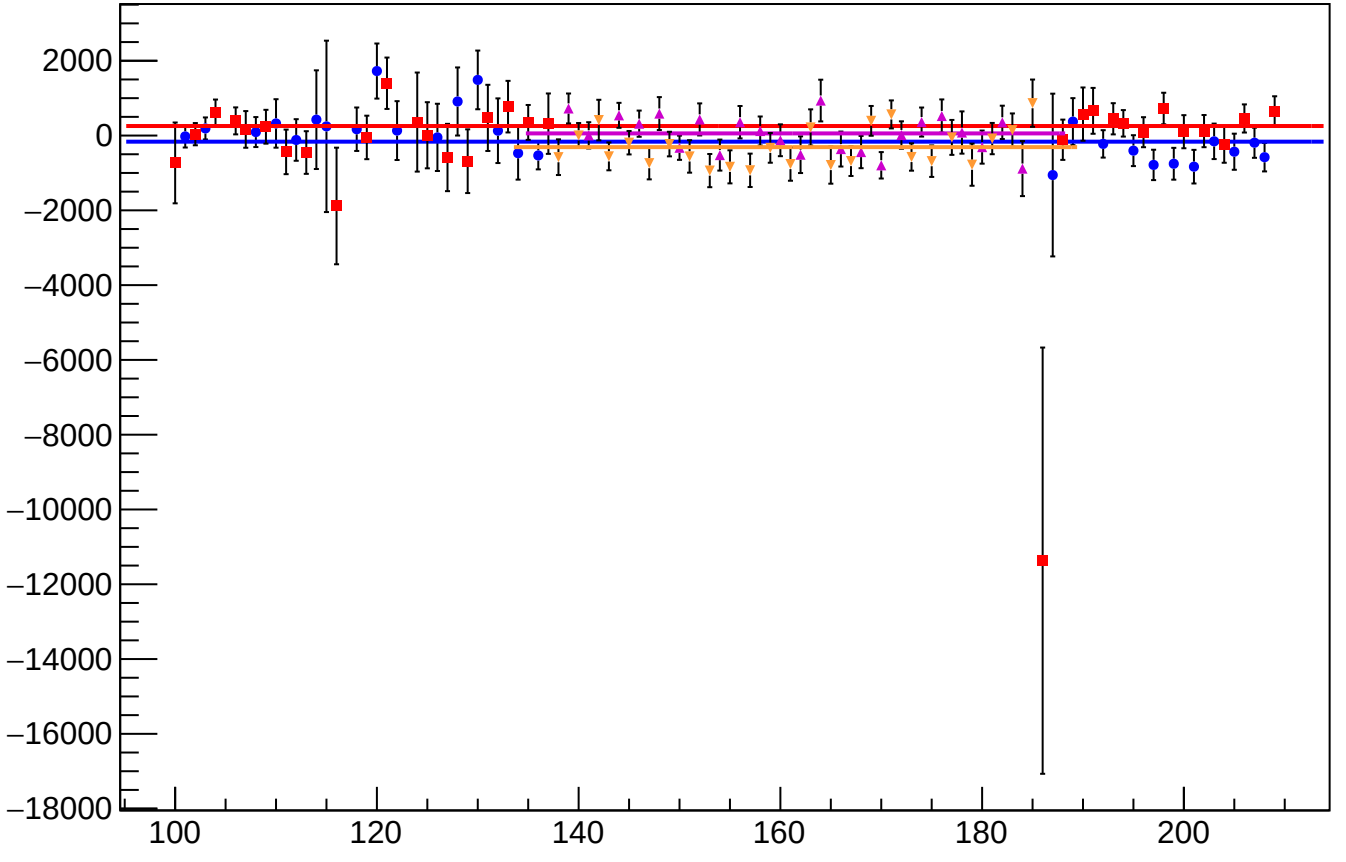
Right: 362.885+/-0.047 χ^2/NDF: 5552082.3/58

In: 375.077+/-0.046 χ^2/NDF:2798473.7/49

Out: 367.423+/-0.044 χ^2/NDF:3961646.6/56

All: 371.063+/-0.032 χ^2/NDF: 6774331.3/106

asym_sam_37_48_dd_mean vs Slug, Sign Corrected



Right In: -163.507+/-94.963 χ^2/NDF: 26.3/26

Left Out: -309.330+/-83.706 χ^2/NDF:30.0/24

Right Out: 255.013+/-89.592 χ^2/NDF: 22.8/31

Left In: 57.543+/-86.225 χ^2/NDF:28.0/22

Left: -131.331+/-60.060 χ^2/NDF: 67.3/47

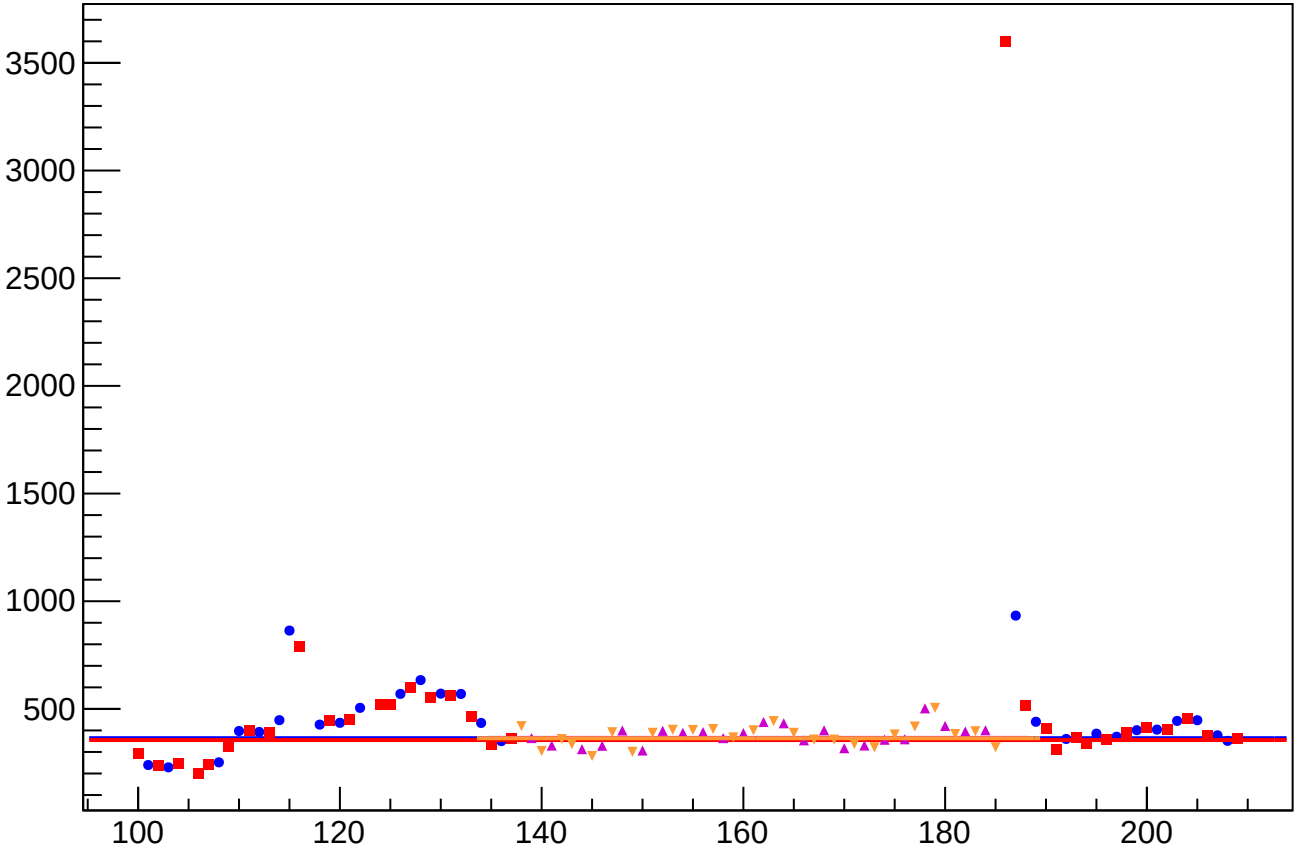
Right: 57.922+/-65.167 χ^2/NDF: 59.4/58

In: -42.346+/-63.836 χ^2/NDF:57.3/49

Out: -46.306+/-61.164 χ^2/NDF:74.0/56

All: -44.411+/-44.164 χ^2/NDF: 131.2/106

asym_sam_37_48_dd_rms vs Slug, Sign Corrected



Right In: 363.897+/-0.067 χ^2/NDF: 2031619.3/26

Left Out: 363.714+/-0.059 χ^2/NDF:669244.7/24

Right Out: 355.388+/-0.063 χ^2/NDF: 2804617.9/31

Left In: 365.324+/-0.061 χ^2/NDF:509496.4/22

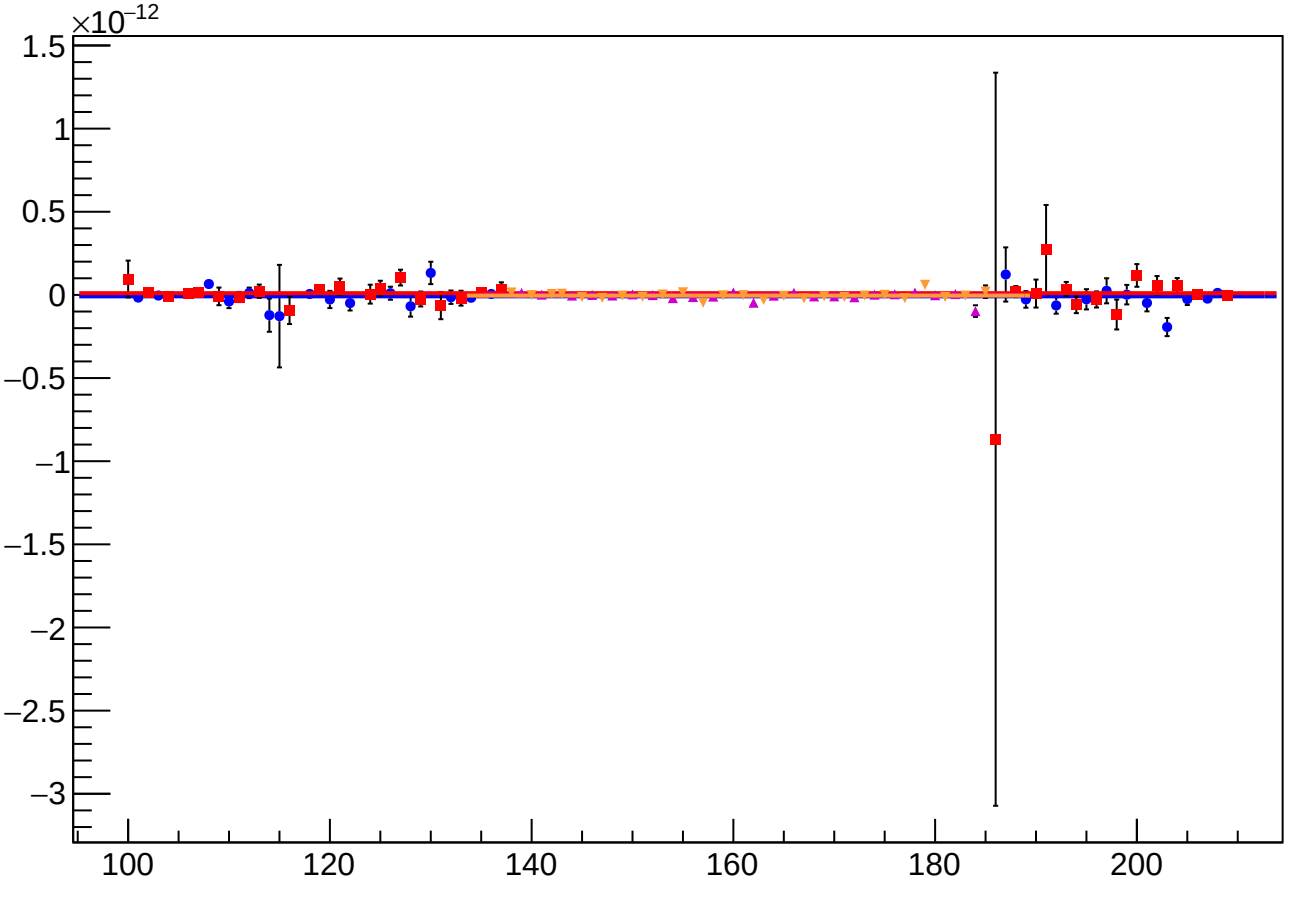
Left: 364.495+/-0.042 χ^2/NDF: 1179100.0/47

Right: 359.395+/-0.046 χ^2/NDF: 4844733.6/58

In: 364.679+/-0.045 χ^2/NDF:2541363.2/49

Out: 359.833+/-0.043 χ^2/NDF:3483085.6/56

All: 362.153+/-0.031 χ^2/NDF: 6030457.3/106



Right In: -0.000+/-0.000 χ^2/NDF: 32.3/26

Left Out: -0.000+/-0.000 χ^2/NDF:21.9/24

Right Out: 0.000+/-0.000 χ^2/NDF: 23.1/31

Left In: -0.000+/-0.000 χ^2/NDF:21.7/22

Left: -0.000+/-0.000 χ^2/NDF: 44.3/47

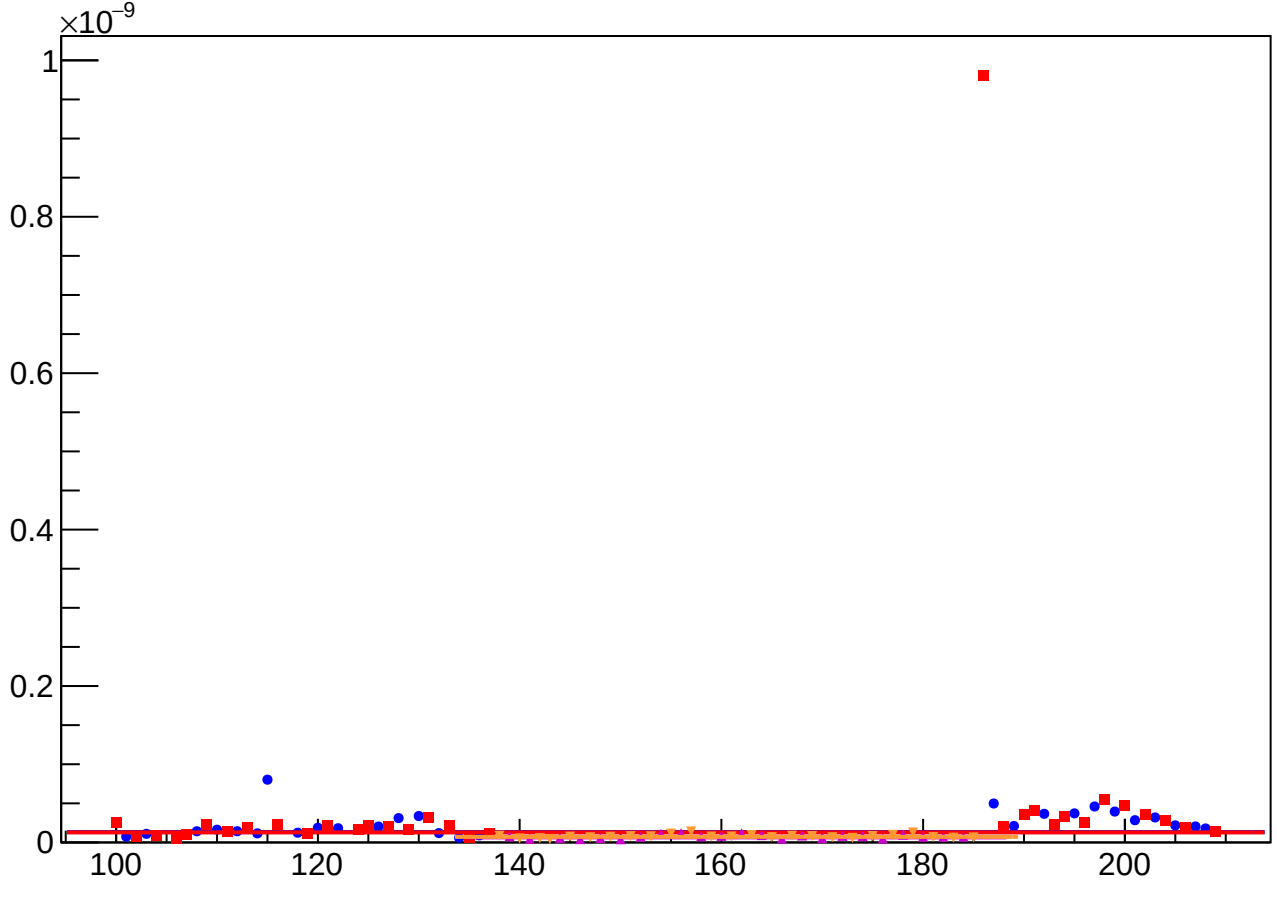
Right: 0.000+/-0.000 χ^2/NDF: 61.0/58

In: -0.000+/-0.000 χ^2/NDF:55.3/49

Out: -0.000+/-0.000 χ^2/NDF:50.6/56

All: -0.000+/-0.000 χ^2/NDF: 106.0/106

asym_sam_37_48_dd_reg_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 3951814.1/26

Left Out: 0.000+/-0.000 χ^2/NDF:872904.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 4688433.7/31

Left In: 0.000+/-0.000 χ^2/NDF:1216388.8/22

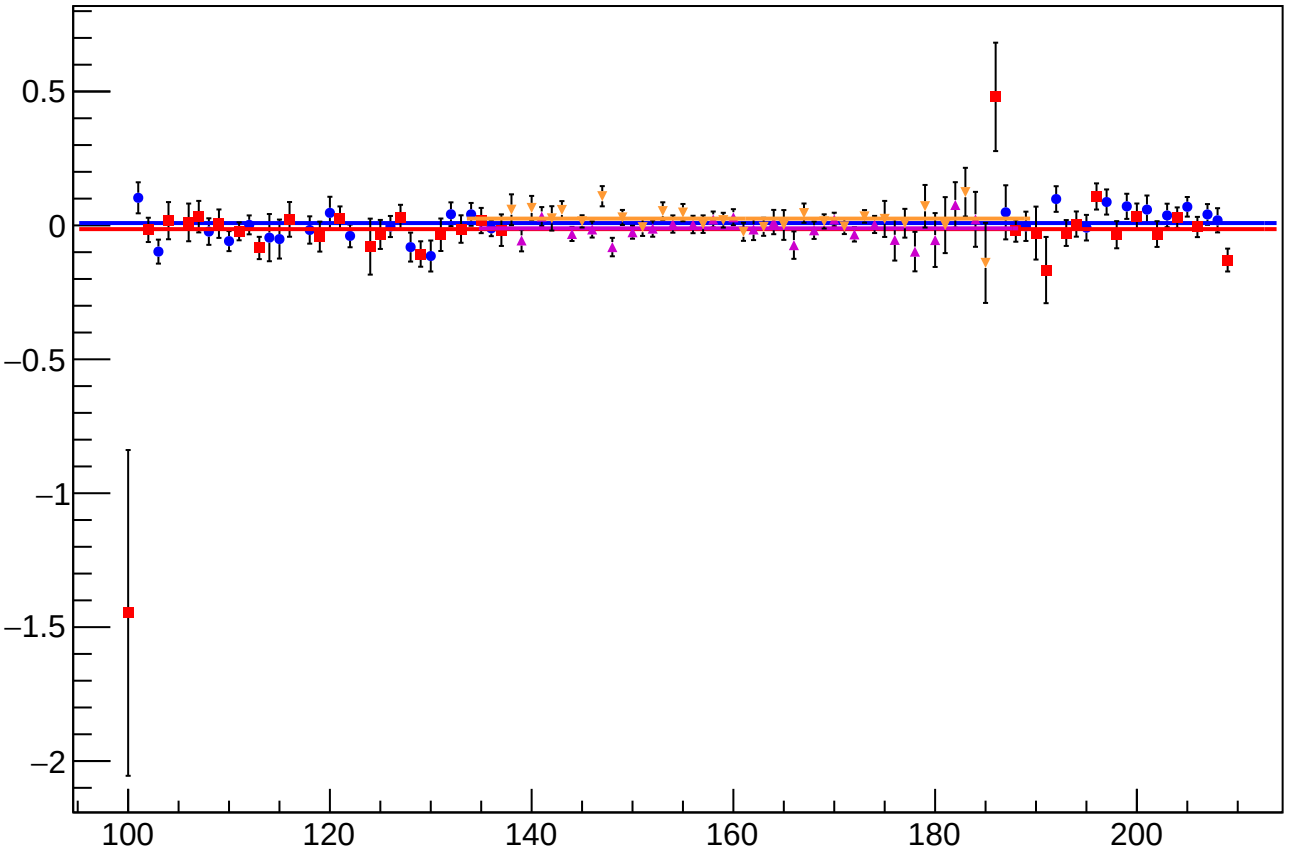
Left: 0.000+/-0.000 χ^2/NDF: 2149252.2/47

Right: 0.000+/-0.000 χ^2/NDF: 8645422.6/58

In: 0.000+/-0.000 χ^2/NDF:7449531.2/49

Out: 0.000+/-0.000 χ^2/NDF:7253301.6/56

All: 0.000+/-0.000 χ^2/NDF: 14755144.1/106



Right In: 0.009+/-0.009 χ^2/NDF: 37.2/26

Left Out: 0.025+/-0.007 χ^2/NDF:17.4/24

Right Out: -0.014+/-0.009 χ^2/NDF: 40.7/31

Left In: -0.011+/-0.007 χ^2/NDF:19.0/22

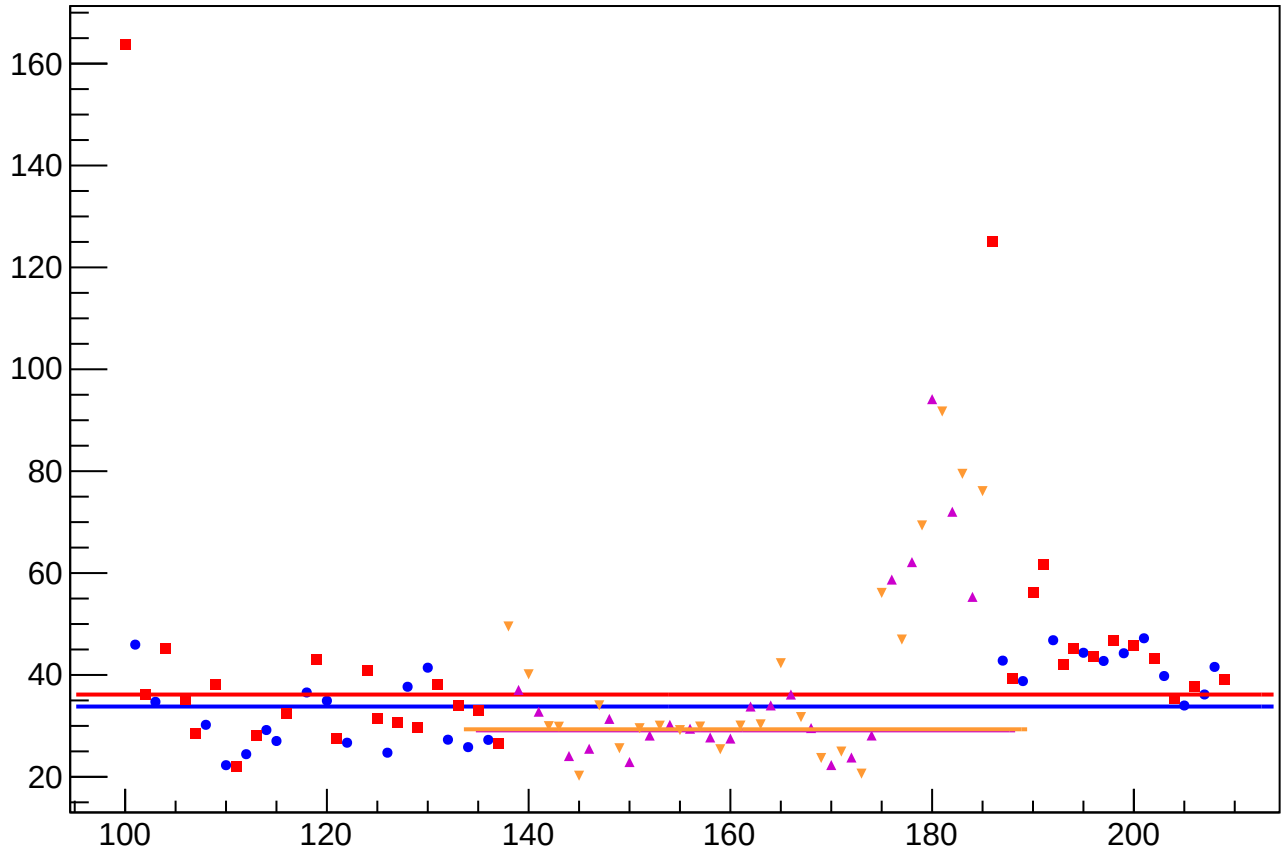
Left: 0.008+/-0.005 χ^2/NDF: 49.0/47

Right: -0.002+/-0.006 χ^2/NDF: 81.1/58

In: -0.003+/-0.006 χ^2/NDF:59.1/49

Out: 0.010+/-0.006 χ^2/NDF:69.6/56

All: 0.004+/-0.004 χ^2/NDF: 131.5/106



Right In: 33.802+/-0.006 χ^2/NDF: 1562124.7/26

Left Out: 29.335+/-0.005 χ^2/NDF:3874774.5/24

Right Out: 36.154+/-0.006 χ^2/NDF: 1791648.8/31

Left In: 29.125+/-0.005 χ^2/NDF:2839115.6/22

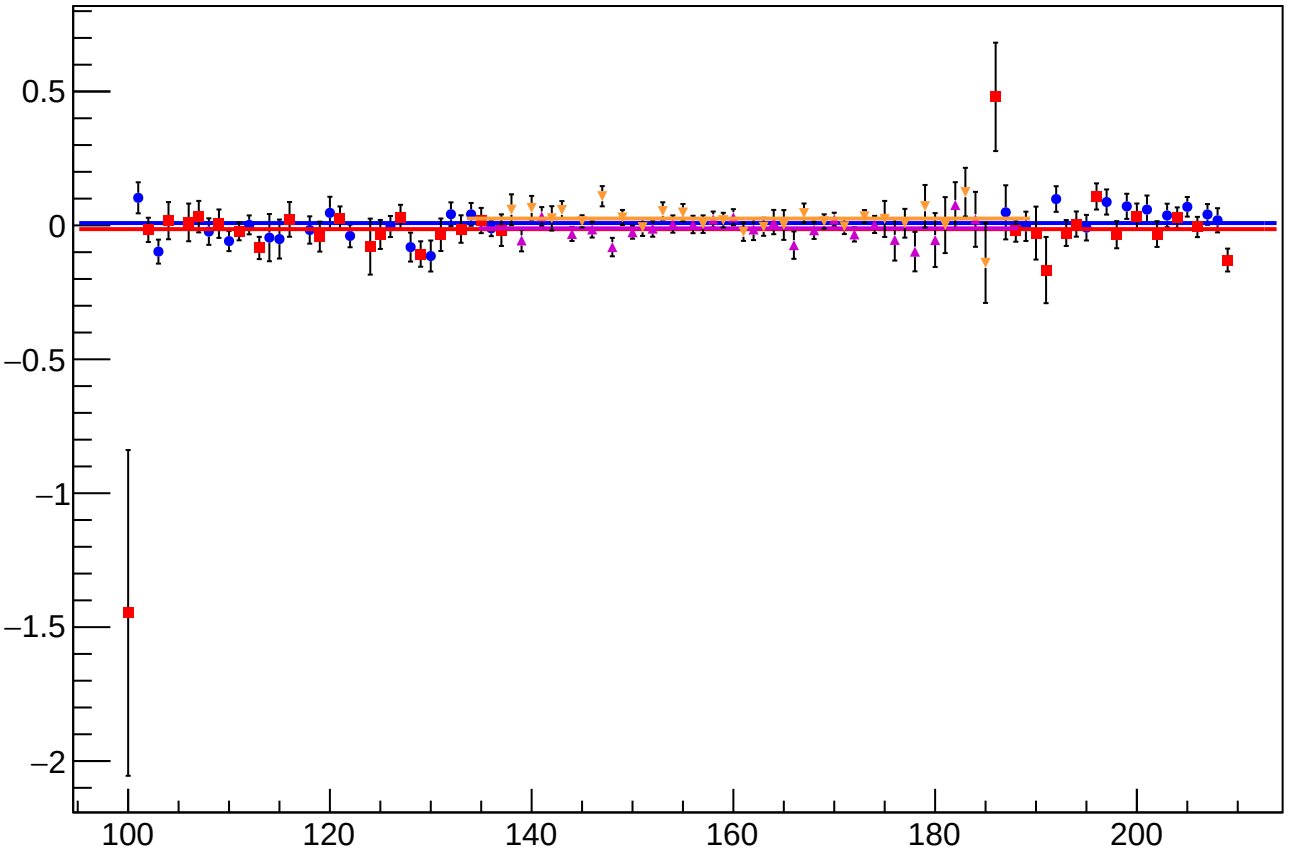
Left: 29.231+/-0.004 χ^2/NDF: 6714732.4/47

Right: 34.946+/-0.004 χ^2/NDF: 3422499.1/58

In: 31.017+/-0.004 χ^2/NDF:4733768.1/49

Out: 31.952+/-0.004 χ^2/NDF:6359127.6/56

All: 31.484+/-0.003 χ^2/NDF: 11120428.7/106



Right In: 0.009+/-0.009 χ^2/NDF: 37.2/26

Left Out: 0.025+/-0.007 χ^2/NDF:17.4/24

Right Out: -0.014+/-0.009 χ^2/NDF: 40.7/31

Left In: -0.011+/-0.007 χ^2/NDF:19.0/22

Left: 0.008+/-0.005 χ^2/NDF: 49.0/47

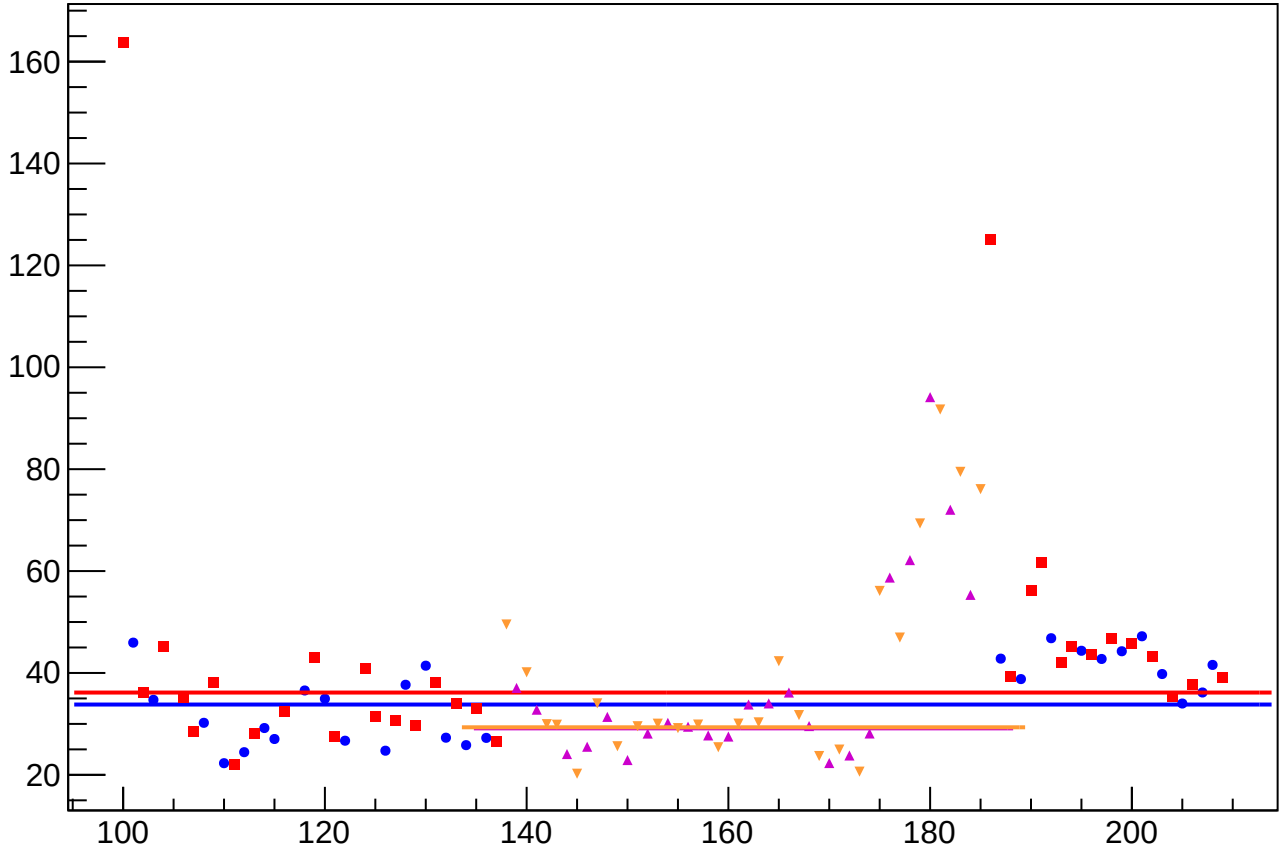
Right: -0.002+/-0.006 χ^2/NDF: 81.1/58

In: -0.003+/-0.006 χ^2/NDF:59.1/49

Out: 0.010+/-0.006 χ^2/NDF:69.6/56

All: 0.004+/-0.004 χ^2/NDF: 131.5/106

asym_sam_37_48_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 33.802+/-0.006 χ^2/NDF: 1562124.7/26

Left Out: 29.335+/-0.005 χ^2/NDF:3874774.5/24

Right Out: 36.154+/-0.006 χ^2/NDF: 1791648.8/31

Left In: 29.125+/-0.005 χ^2/NDF:2839115.6/22

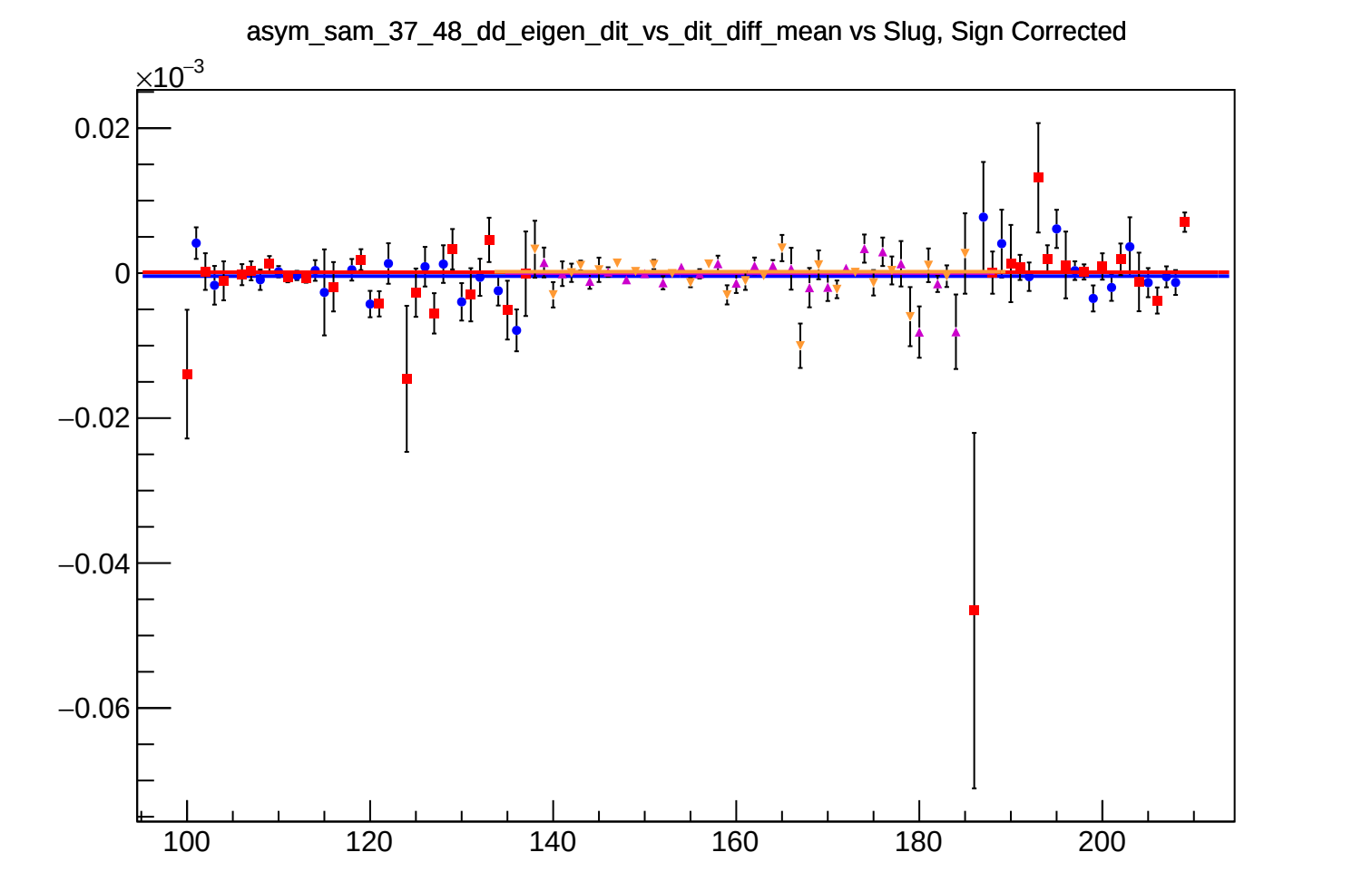
Left: 29.231+/-0.004 χ^2/NDF: 6714732.4/47

Right: 34.946+/-0.004 χ^2/NDF: 3422499.1/58

In: 31.017+/-0.004 χ^2/NDF:4733768.1/49

Out: 31.952+/-0.004 χ^2/NDF:6359127.6/56

All: 31.484+/-0.003 χ^2/NDF: 11120428.7/106



Right In: -0.000+/-0.000 χ^2/NDF: 34.9/26

Left Out: 0.000+/-0.000 χ^2/NDF:52.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 67.7/31

Left In: -0.000+/-0.000 χ^2/NDF:32.9/22

Left: 0.000+/-0.000 χ^2/NDF: 86.2/47

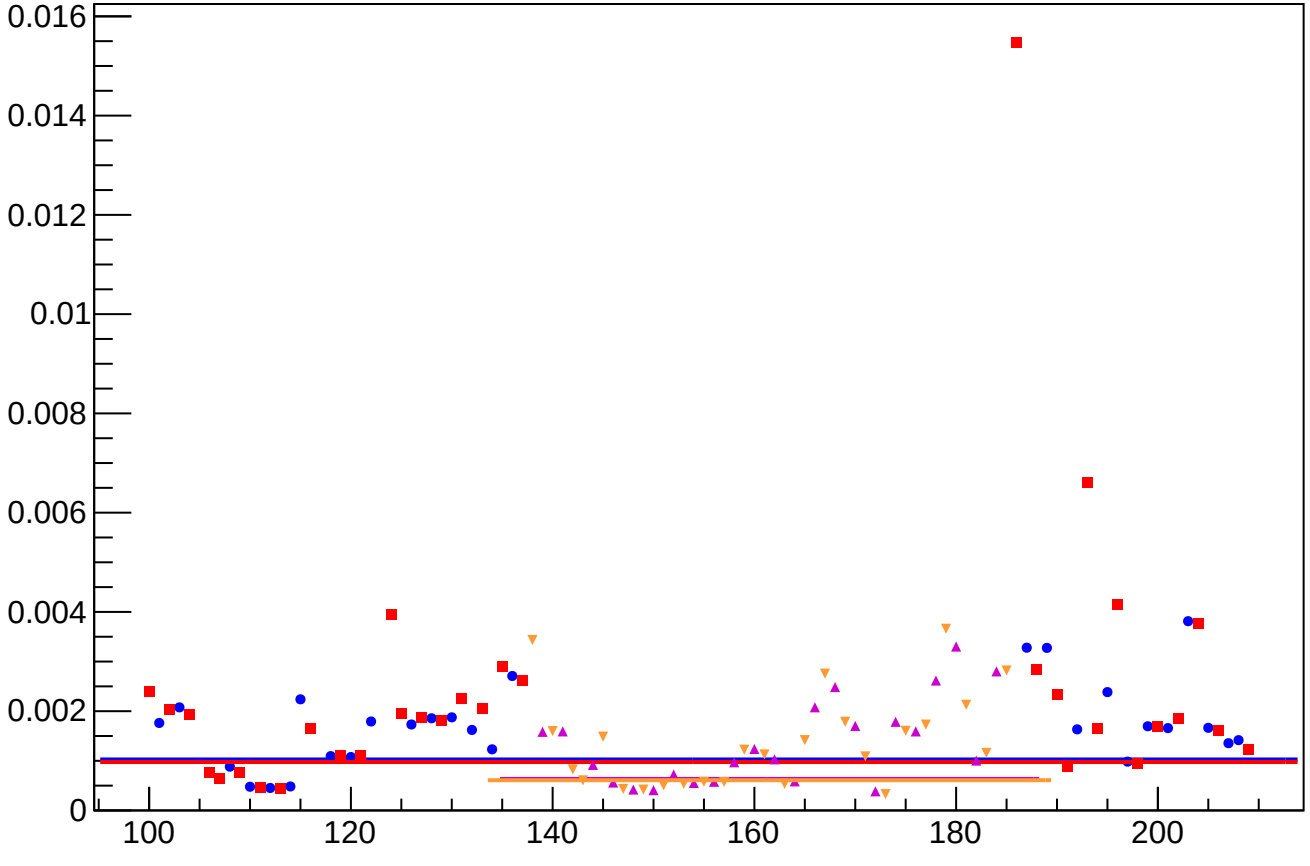
Right: -0.000+/-0.000 χ^2/NDF: 104.2/58

In: -0.000+/-0.000 χ^2/NDF:69.1/49

Out: 0.000+/-0.000 χ^2/NDF:120.4/56

All: 0.000+/-0.000 χ^2/NDF: 191.3/106

asym_sam_37_48_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.001+/-0.000 χ^2/NDF: 8263430.8/26

Left Out: 0.001+/-0.000 χ^2/NDF:10964161.2/24

Right Out: 0.001+/-0.000 χ^2/NDF: 11154712.5/31

Left In: 0.001+/-0.000 χ^2/NDF:9376124.7/22

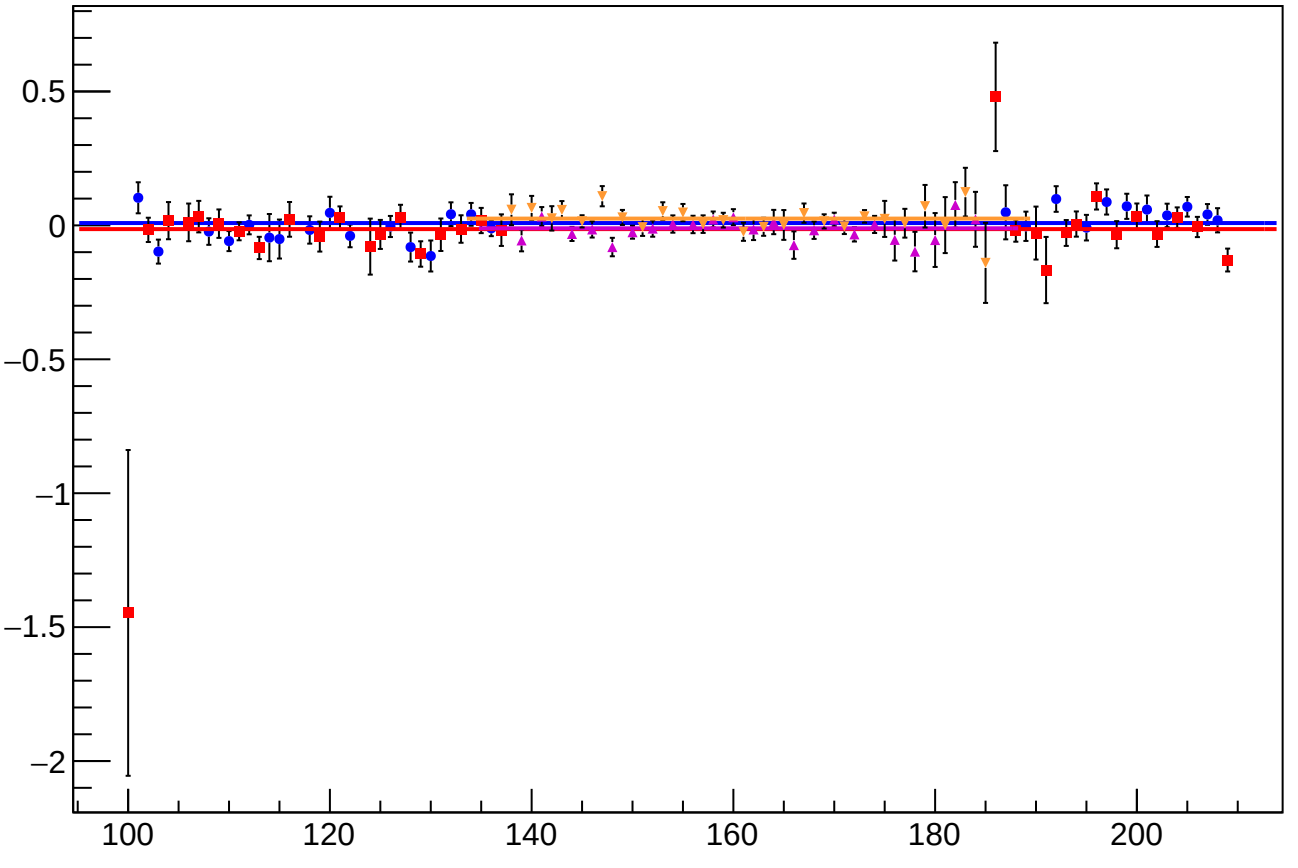
Left: 0.001+/-0.000 χ^2/NDF: 20361960.5/47

Right: 0.001+/-0.000 χ^2/NDF: 19446597.0/58

In: 0.001+/-0.000 χ^2/NDF:19969098.6/49

Out: 0.001+/-0.000 χ^2/NDF:24437401.0/56

All: 0.001+/-0.000 χ^2/NDF: 44456112.6/106



Right In: 0.009+/-0.009 χ^2/NDF: 37.2/26

Left Out: 0.025+/-0.007 χ^2/NDF:17.4/24

Right Out: -0.014+/-0.009 χ^2/NDF: 40.7/31

Left In: -0.011+/-0.007 χ^2/NDF:19.0/22

Left: 0.008+/-0.005 χ^2/NDF: 49.0/47

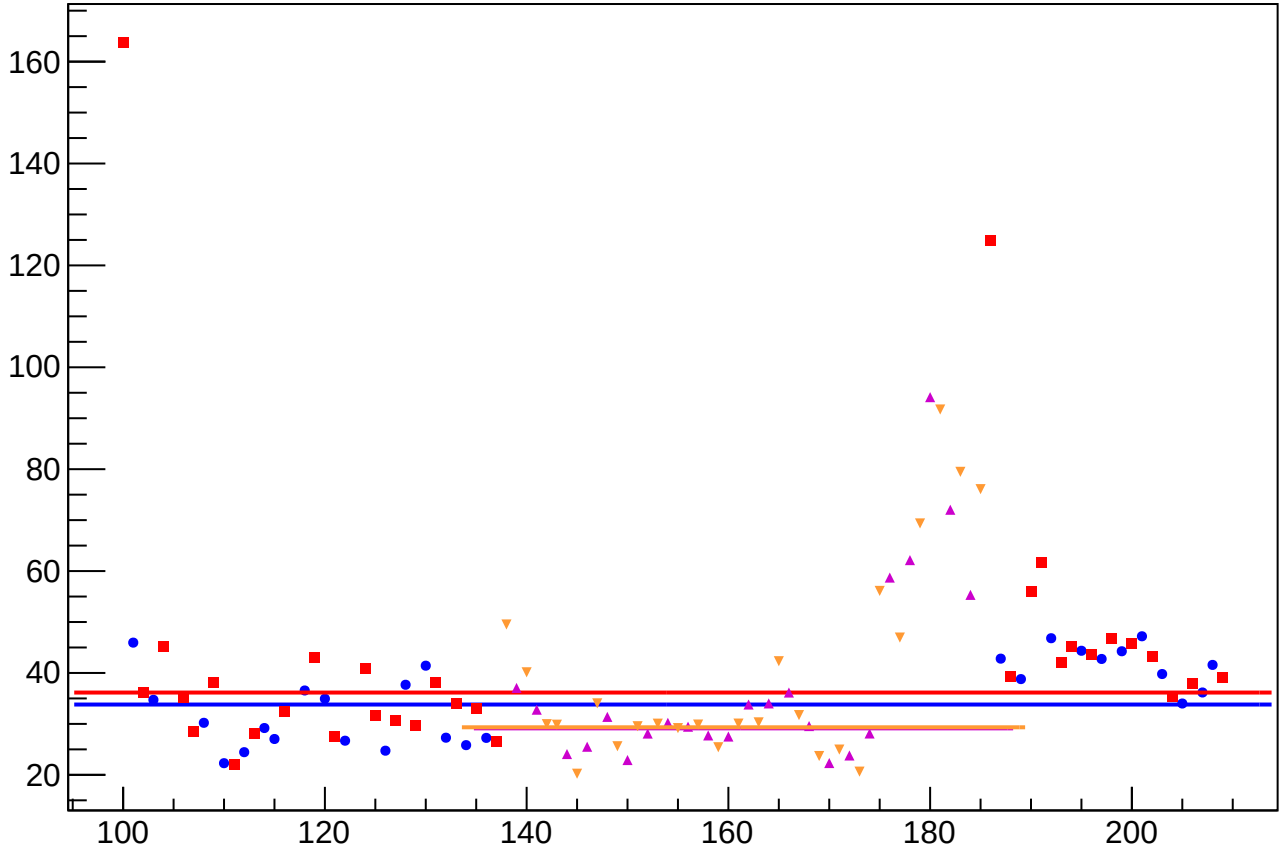
Right: -0.002+/-0.006 χ^2/NDF: 81.1/58

In: -0.003+/-0.006 χ^2/NDF:59.1/49

Out: 0.010+/-0.006 χ^2/NDF:69.6/56

All: 0.004+/-0.004 χ^2/NDF: 131.5/106

asym_sam_37_48_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 33.802+/-0.006 χ^2/NDF: 1562058.7/26

Left Out: 29.334+/-0.005 χ^2/NDF:3874839.0/24

Right Out: 36.154+/-0.006 χ^2/NDF: 1791549.0/31

Left In: 29.124+/-0.005 χ^2/NDF:2839078.4/22

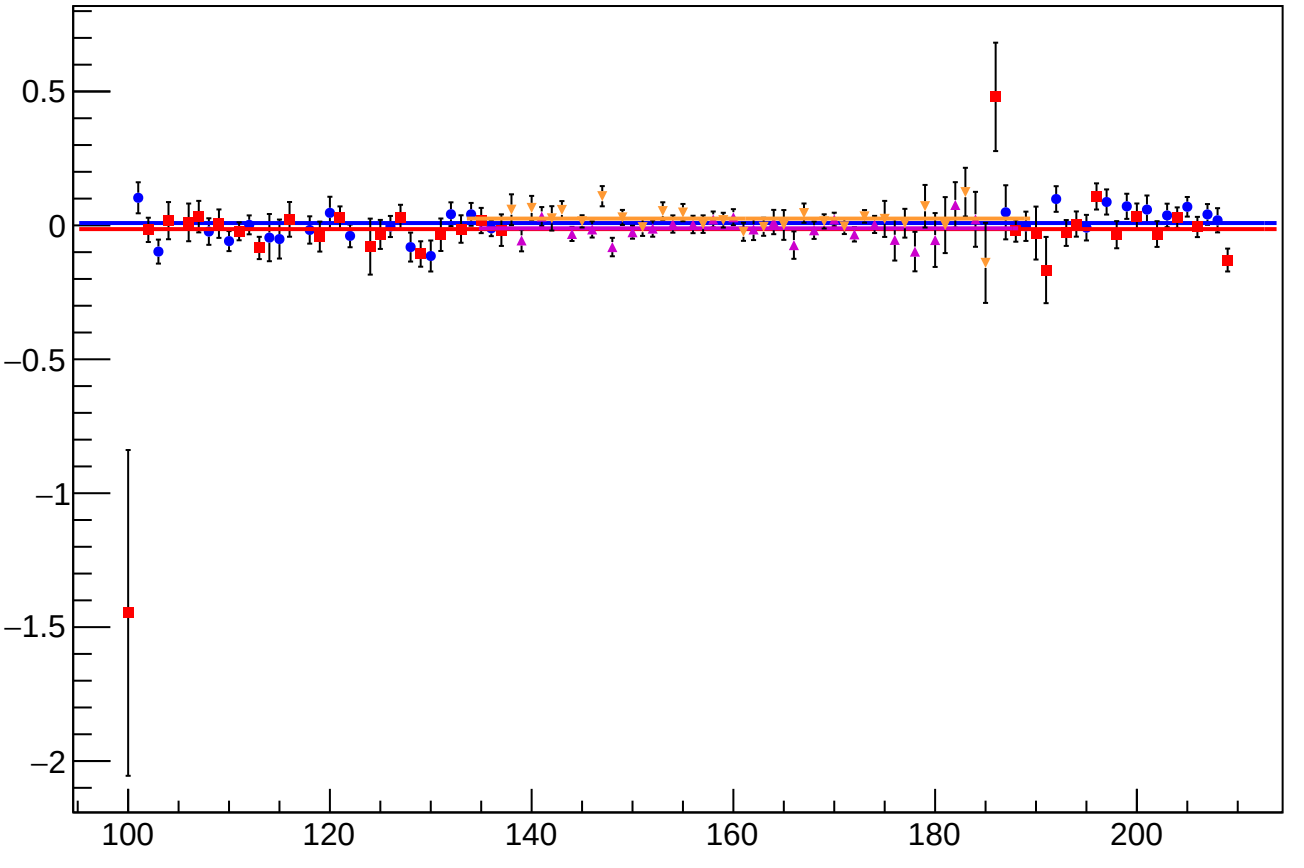
Left: 29.231+/-0.004 χ^2/NDF: 6714759.4/47

Right: 34.946+/-0.004 χ^2/NDF: 3422335.7/58

In: 31.017+/-0.004 χ^2/NDF:4733694.3/49

Out: 31.952+/-0.004 χ^2/NDF:6359151.4/56

All: 31.484+/-0.003 χ^2/NDF: 11120377.8/106



Right In: 0.009+/-0.009 χ^2/NDF: 37.2/26

Left Out: 0.025+/-0.007 χ^2/NDF:17.4/24

Right Out: -0.014+/-0.009 χ^2/NDF: 40.7/31

Left In: -0.011+/-0.007 χ^2/NDF:19.0/22

Left: 0.008+/-0.005 χ^2/NDF: 49.0/47

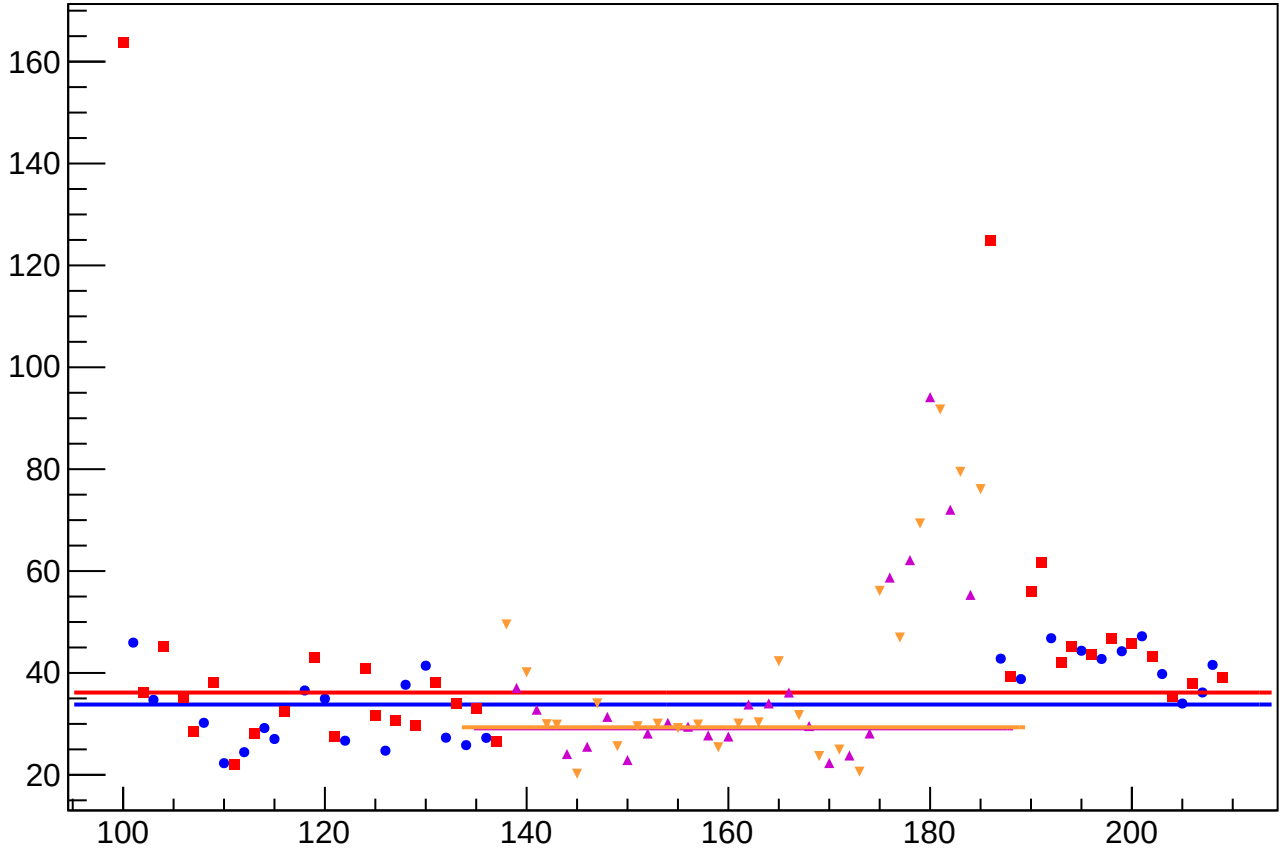
Right: -0.002+/-0.006 χ^2/NDF: 81.1/58

In: -0.003+/-0.006 χ^2/NDF:59.1/49

Out: 0.010+/-0.006 χ^2/NDF:69.6/56

All: 0.004+/-0.004 χ^2/NDF: 131.5/106

asym_sam_37_48_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 33.802+/-0.006 χ^2/NDF: 1562058.7/26

Left Out: 29.334+/-0.005 χ^2/NDF:3874839.0/24

Right Out: 36.154+/-0.006 χ^2/NDF: 1791549.0/31

Left In: 29.124+/-0.005 χ^2/NDF:2839078.4/22

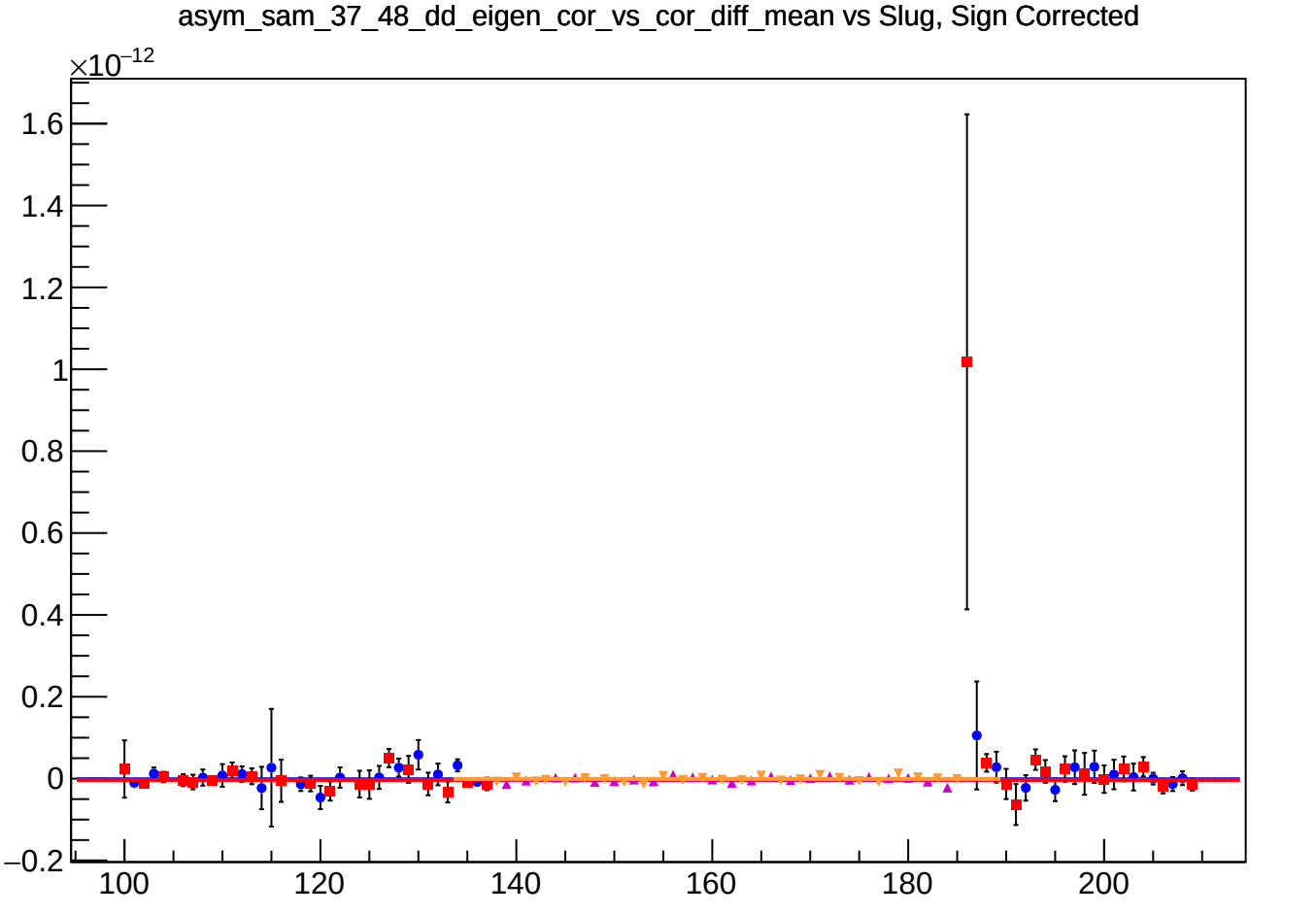
Left: 29.231+/-0.004 χ^2/NDF: 6714759.4/47

Right: 34.946+/-0.004 χ^2/NDF: 3422335.7/58

In: 31.017+/-0.004 χ^2/NDF:4733694.3/49

Out: 31.952+/-0.004 χ^2/NDF:6359151.4/56

All: 31.484+/-0.003 χ^2/NDF: 11120377.8/106



Right In: -0.000+/-0.000 χ^2/NDF: 21.3/26

Left Out: -0.000+/-0.000 χ^2/NDF:15.1/24

Right Out: -0.000+/-0.000 χ^2/NDF: 31.2/31

Left In: -0.000+/-0.000 χ^2/NDF:16.5/22

Left: -0.000+/-0.000 χ^2/NDF: 31.8/47

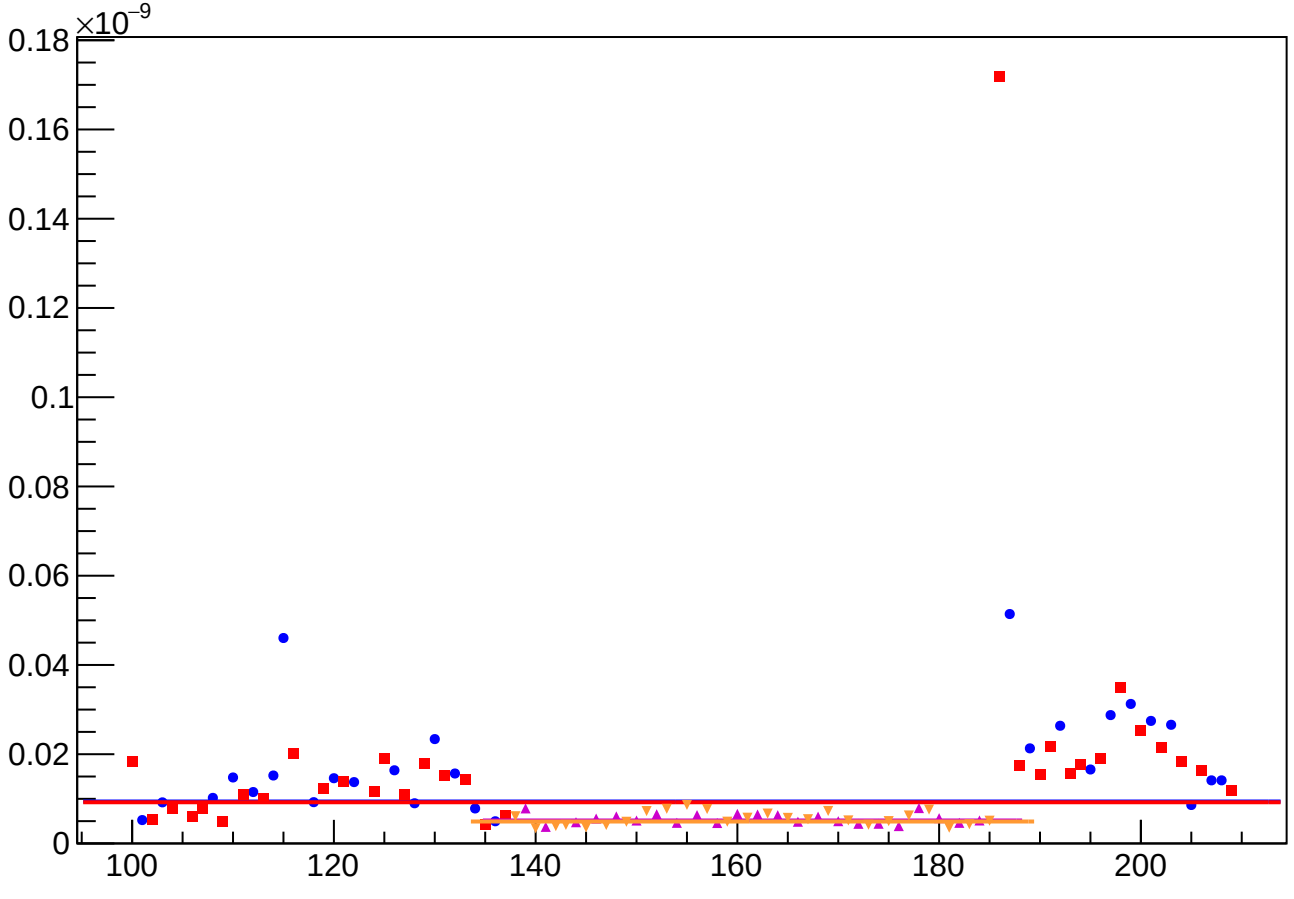
Right: -0.000+/-0.000 χ^2/NDF: 52.6/58

In: -0.000+/-0.000 χ^2/NDF:37.8/49

Out: -0.000+/-0.000 χ^2/NDF:46.7/56

All: -0.000+/-0.000 χ^2/NDF: 84.6/106

asym_sam_37_48_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 6017702.1/26

Left Out: 0.000+/-0.000 χ^2/NDF:1871499.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 5696207.6/31

Left In: 0.000+/-0.000 χ^2/NDF:976775.4/22

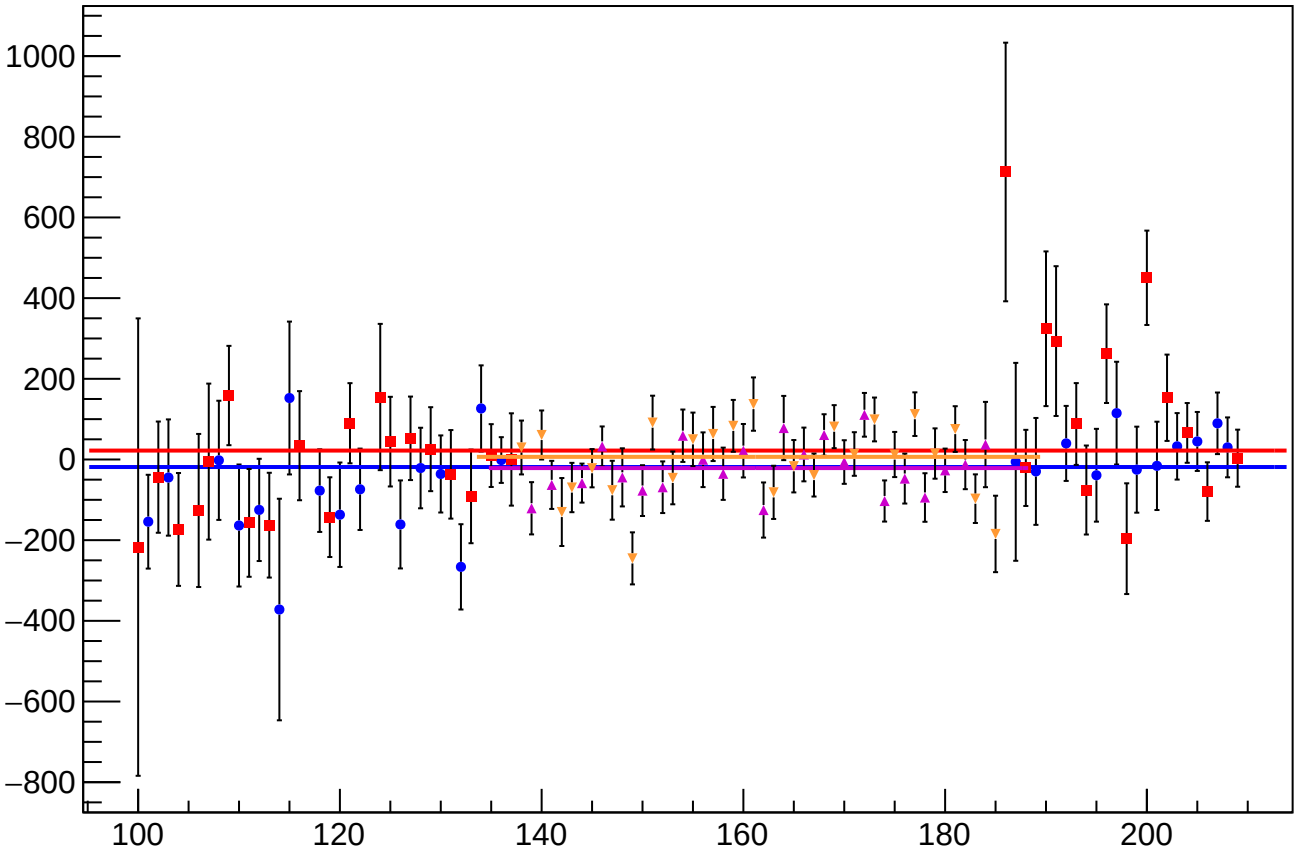
Left: 0.000+/-0.000 χ^2/NDF: 2874002.6/47

Right: 0.000+/-0.000 χ^2/NDF: 11716449.3/58

In: 0.000+/-0.000 χ^2/NDF:9628727.8/49

Out: 0.000+/-0.000 χ^2/NDF:10535643.6/56

All: 0.000+/-0.000 χ^2/NDF: 20193327.2/106


reg_asym_sam_15_26_dd_mean vs Slug, Sign Corrected
1000
800
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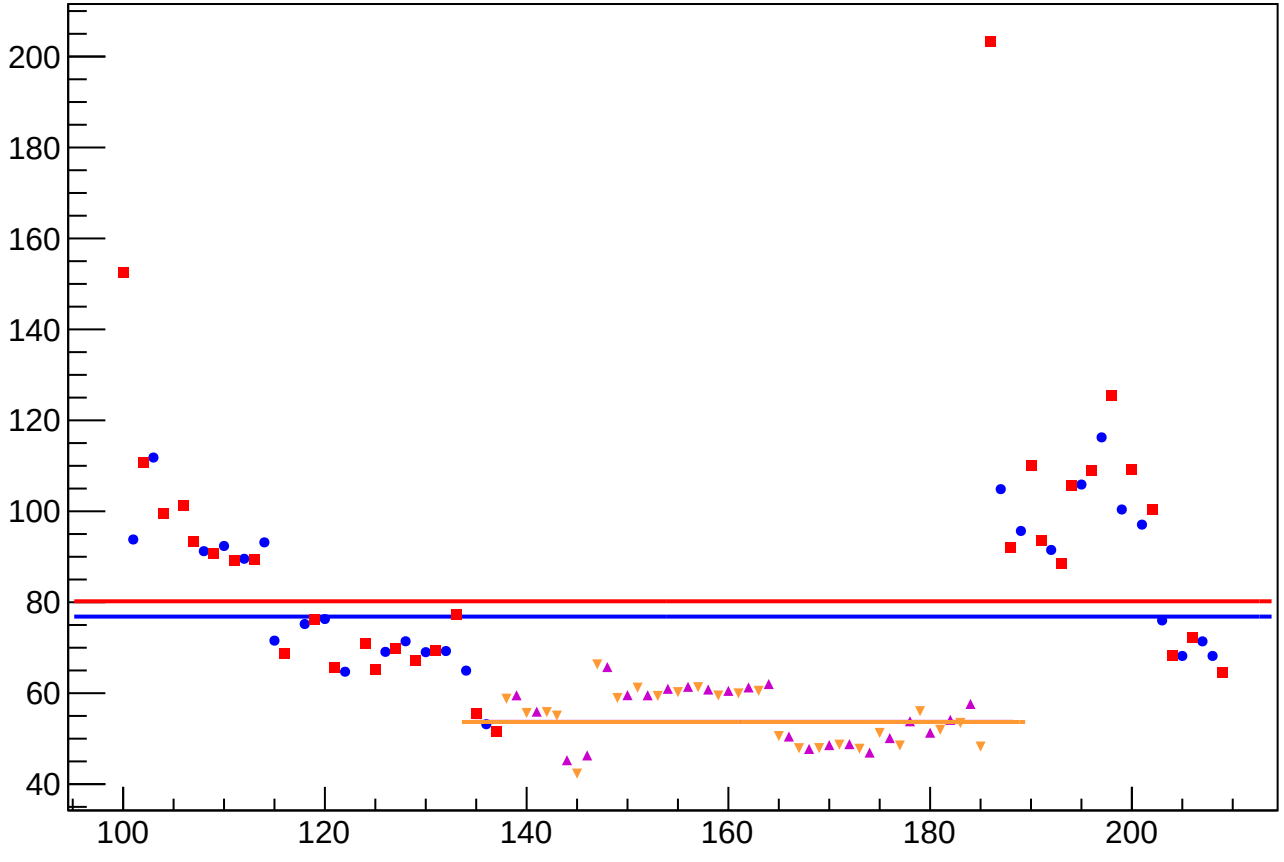
400
200
0
−200
−400
−600
−800
100
120
140
160
180
200
Right In: -18.682+/-19.859 χ²/NDF: 21.2/26
Left Out: 6.523+/-12.287 χ²/NDF:50.6/24
Right Out: 22.100+/-19.973 χ²/NDF: 47.6/31
Left In: -21.336+/-12.649 χ²/NDF:25.4/22
Left: -7.002+/-8.814 χ²/NDF: 78.5/47
Right: 1.593+/-14.083 χ²/NDF: 71.0/58
In: -20.570+/-10.669 χ²/NDF:46.6/49
Out: 10.800+/-10.465 χ²/NDF:98.7/56
All: -4.583+/-7.471 χ²/NDF: 149.7/106

reg_asym_sam_15_26_dd_rms vs Slug, Sign Corrected



Right In: 76.843+/-0.014 χ^2/NDF: 1338151.6/26

Left Out: 53.666+/-0.009 χ^2/NDF:472206.8/24

Right Out: 80.209+/-0.014 χ^2/NDF: 1939814.1/31

Left In: 53.695+/-0.009 χ^2/NDF:471343.7/22

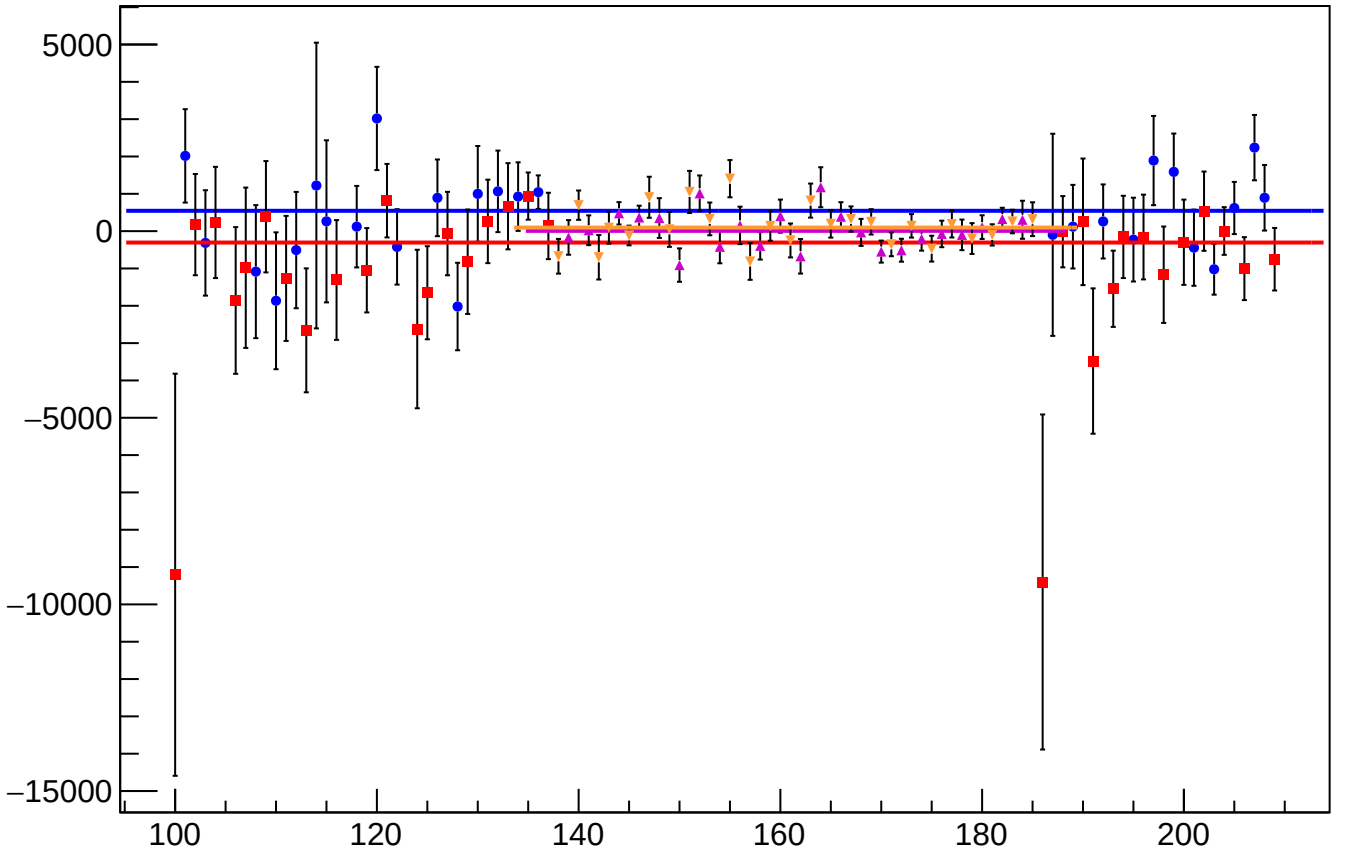
Left: 53.680+/-0.006 χ^2/NDF: 943555.9/47

Right: 78.517+/-0.010 χ^2/NDF: 3306521.2/58

In: 60.376+/-0.008 χ^2/NDF:3742662.2/49

Out: 60.953+/-0.007 χ^2/NDF:4974530.4/56

All: 60.670+/-0.005 χ^2/NDF: 8720179.7/106



Right In: 545.037+/-195.339 χ^2/NDF: 29.0/26

Left Out: 95.456+/-77.134 χ^2/NDF:33.2/24

Right Out: -305.222+/-203.170 χ^2/NDF: 26.8/31

Left In: 7.879+/-79.125 χ^2/NDF:32.3/22

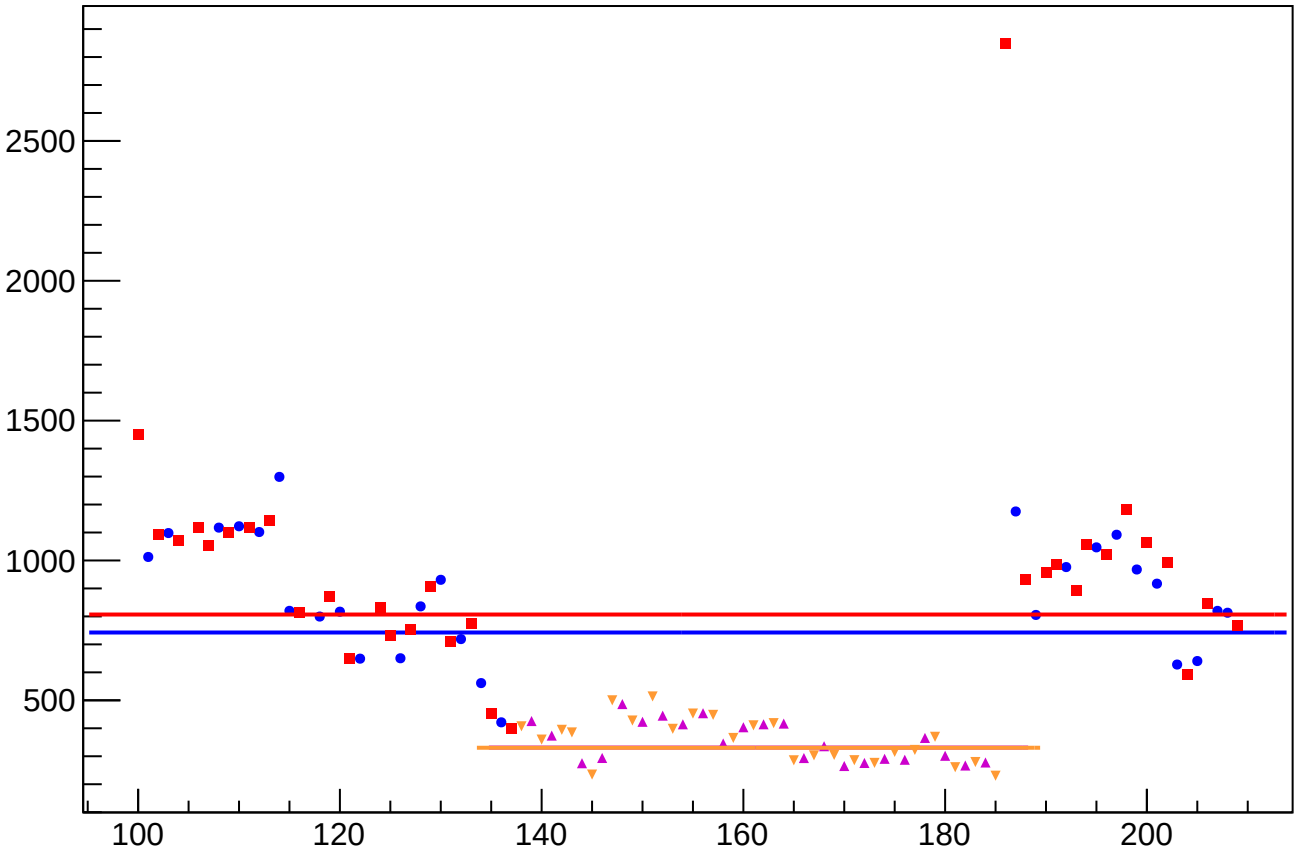
Left: 52.783+/-55.233 χ^2/NDF: 66.1/47

Right: 136.611+/-140.813 χ^2/NDF: 64.8/58

In: 83.593+/-73.337 χ^2/NDF:67.8/49

Out: 44.979+/-72.112 χ^2/NDF:63.3/56

All: 63.961+/-51.419 χ^2/NDF: 131.2/106



Right In: 742.458+/-0.138 χ^2/NDF: 2515403.5/26

Left Out: 330.405+/-0.055 χ^2/NDF:1752470.5/24

Right Out: 806.760+/-0.144 χ^2/NDF: 2872660.0/31

Left In: 331.059+/-0.056 χ^2/NDF:1325602.5/22

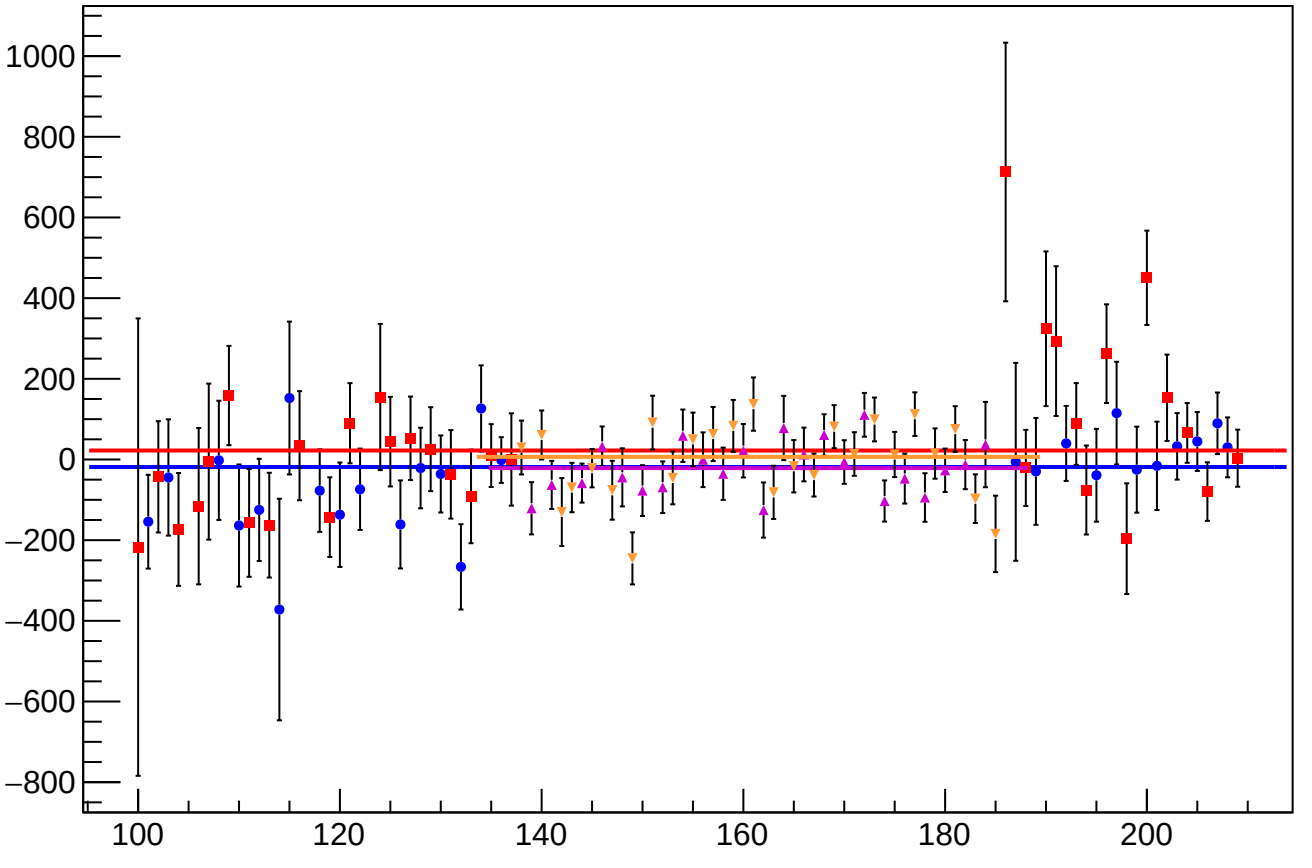
Left: 330.724+/-0.039 χ^2/NDF: 3078142.9/47

Right: 773.345+/-0.100 χ^2/NDF: 5492167.6/58

In: 389.046+/-0.052 χ^2/NDF:11461737.5/49

Out: 390.415+/-0.051 χ^2/NDF:14234435.0/56

All: 389.742+/-0.036 χ^2/NDF: 25696527.0/10


cor_asym_sam_15_26_dd_mean vs Slug, Sign Corrected
1000
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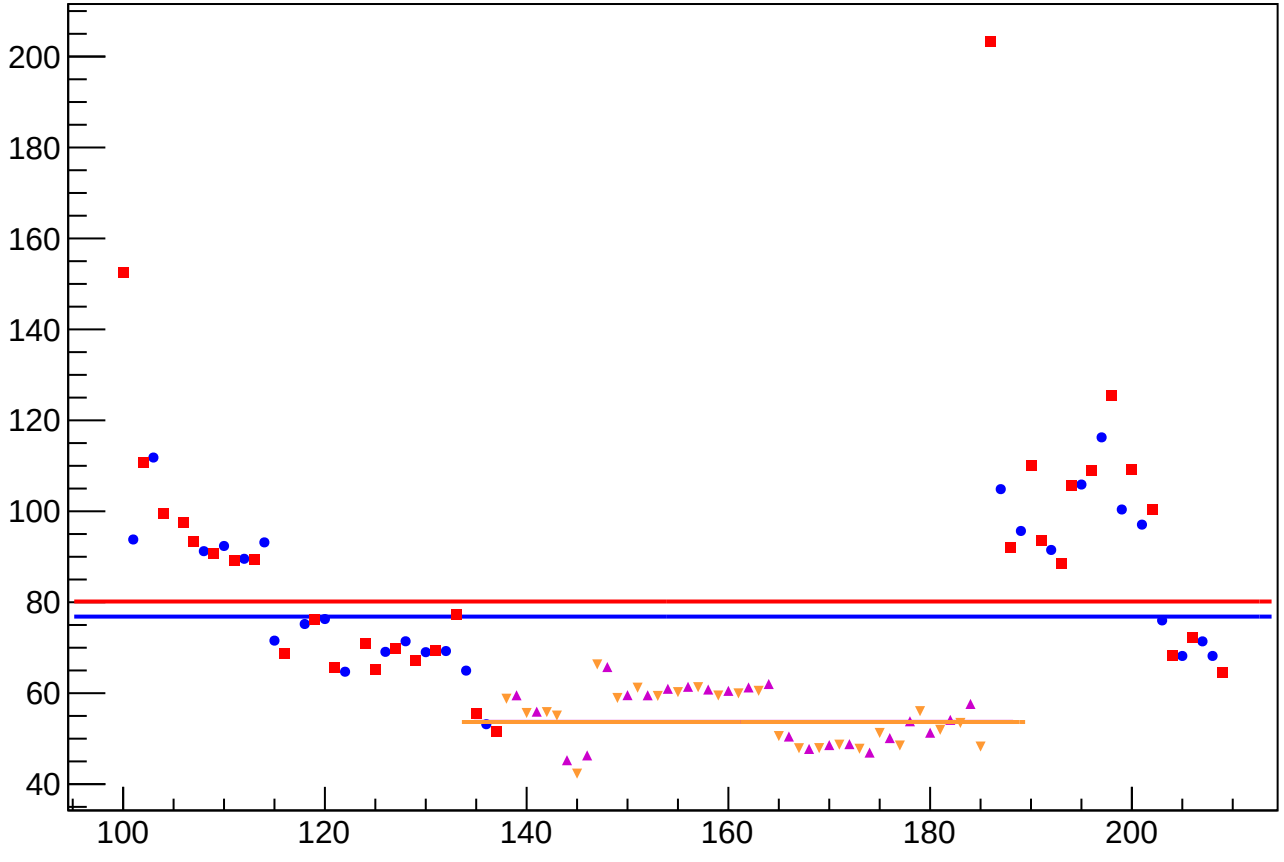
−200
−400
−600
−800
100
120
140
160
180
200
Right In: -18.672+/-19.859 χ²/NDF: 21.2/26
Left Out: 6.526+/-12.287 χ²/NDF:50.6/24
Right Out: 22.301+/-19.978 χ²/NDF: 47.5/31
Left In: -21.335+/-12.649 χ²/NDF:25.4/22
Left: -7.000+/-8.814 χ²/NDF: 78.5/47
Right: 1.693+/-14.084 χ²/NDF: 70.9/58
In: -20.566+/-10.669 χ²/NDF:46.6/49
Out: 10.855+/-10.466 χ²/NDF:98.6/56
All: -4.554+/-7.471 χ²/NDF: 149.6/106

cor_asym_sam_15_26_dd_rms vs Slug, Sign Corrected



Right In: 76.843+/-0.014 χ^2/NDF: 1338153.9/26

Left Out: 53.666+/-0.009 χ^2/NDF:472206.8/24

Right Out: 80.160+/-0.014 χ^2/NDF: 1931514.2/31

Left In: 53.695+/-0.009 χ^2/NDF:471343.7/22

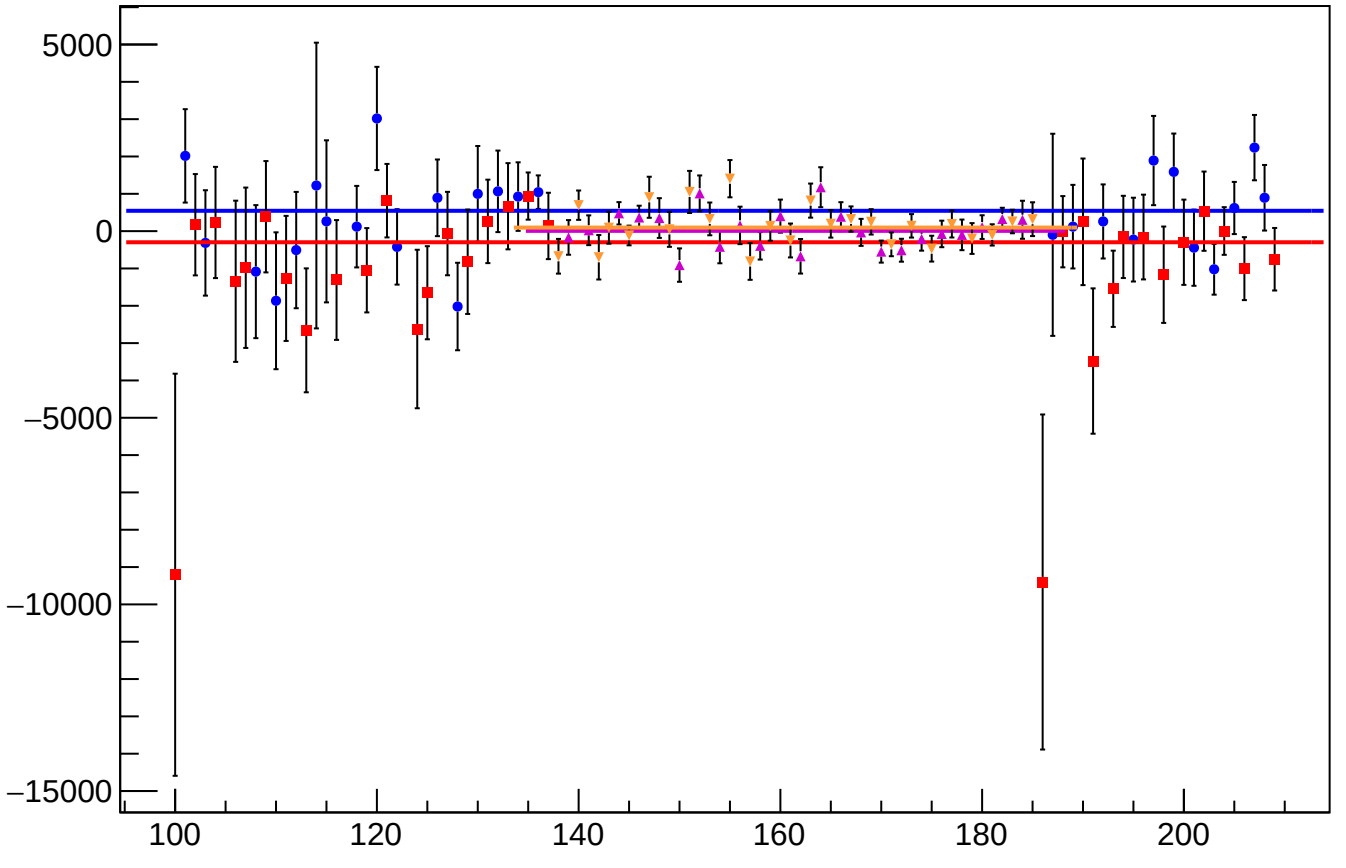
Left: 53.680+/-0.006 χ^2/NDF: 943555.9/47

Right: 78.492+/-0.010 χ^2/NDF: 3297399.4/58

In: 60.376+/-0.008 χ^2/NDF:3742664.8/49

Out: 60.937+/-0.007 χ^2/NDF:4955959.5/56

All: 60.662+/-0.005 χ^2/NDF: 8701448.8/106



Right In: 545.035+/-195.339 χ^2/NDF: 29.0/26

Left Out: 95.458+/-77.134 χ^2/NDF:33.2/24

Right Out: -297.896+/-203.360 χ^2/NDF: 26.4/31

Left In: 7.875+/-79.125 χ^2/NDF:32.3/22

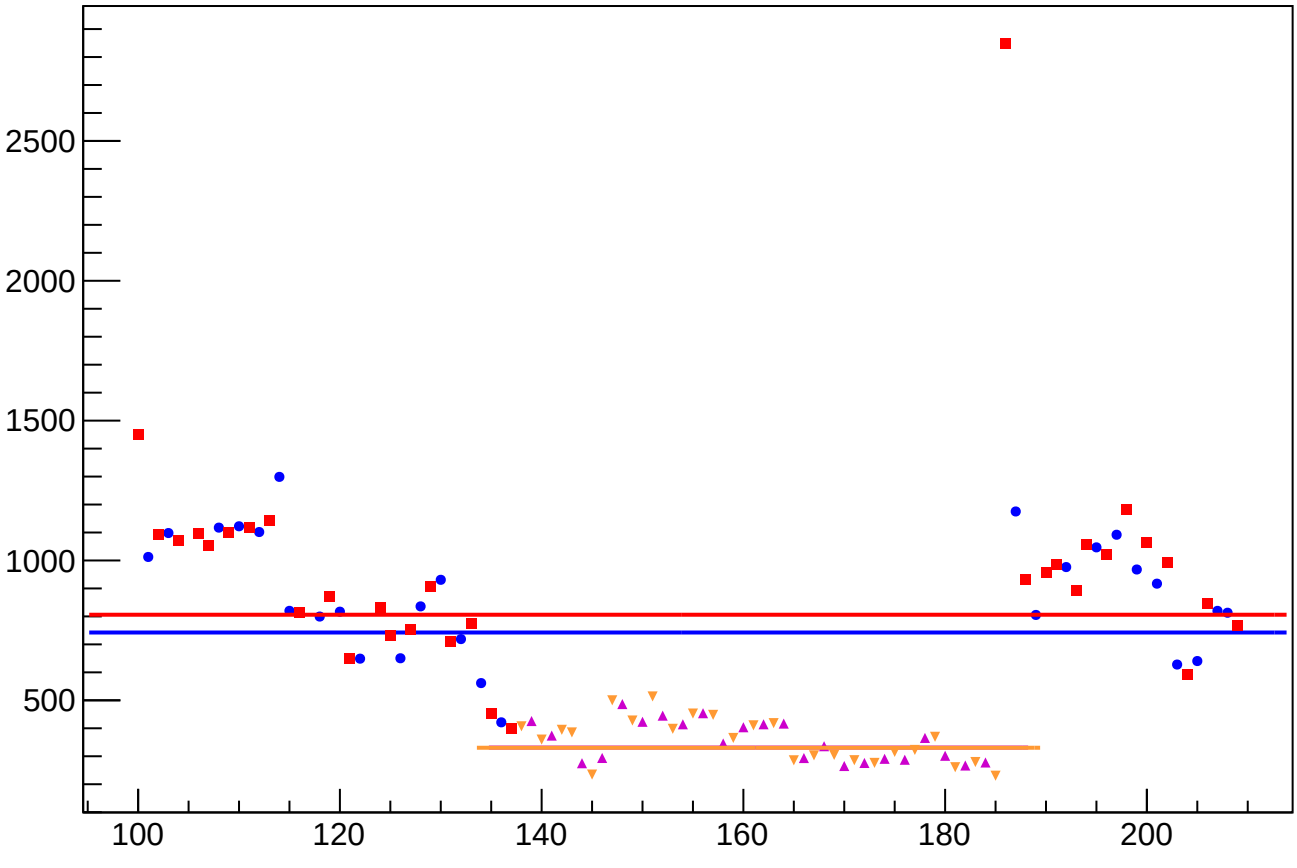
Left: 52.783+/-55.233 χ^2/NDF: 66.1/47

Right: 140.520+/-140.876 χ^2/NDF: 64.3/58

In: 83.589+/-73.337 χ^2/NDF:67.8/49

Out: 45.985+/-72.121 χ^2/NDF:62.8/56

All: 64.473+/-51.422 χ^2/NDF: 130.7/106



Right In: 742.458+/-0.138 χ^2/NDF: 2515426.7/26

Left Out: 330.405+/-0.055 χ^2/NDF:1752469.2/24

Right Out: 805.994+/-0.144 χ^2/NDF: 2858481.7/31

Left In: 331.058+/-0.056 χ^2/NDF:1325610.1/22

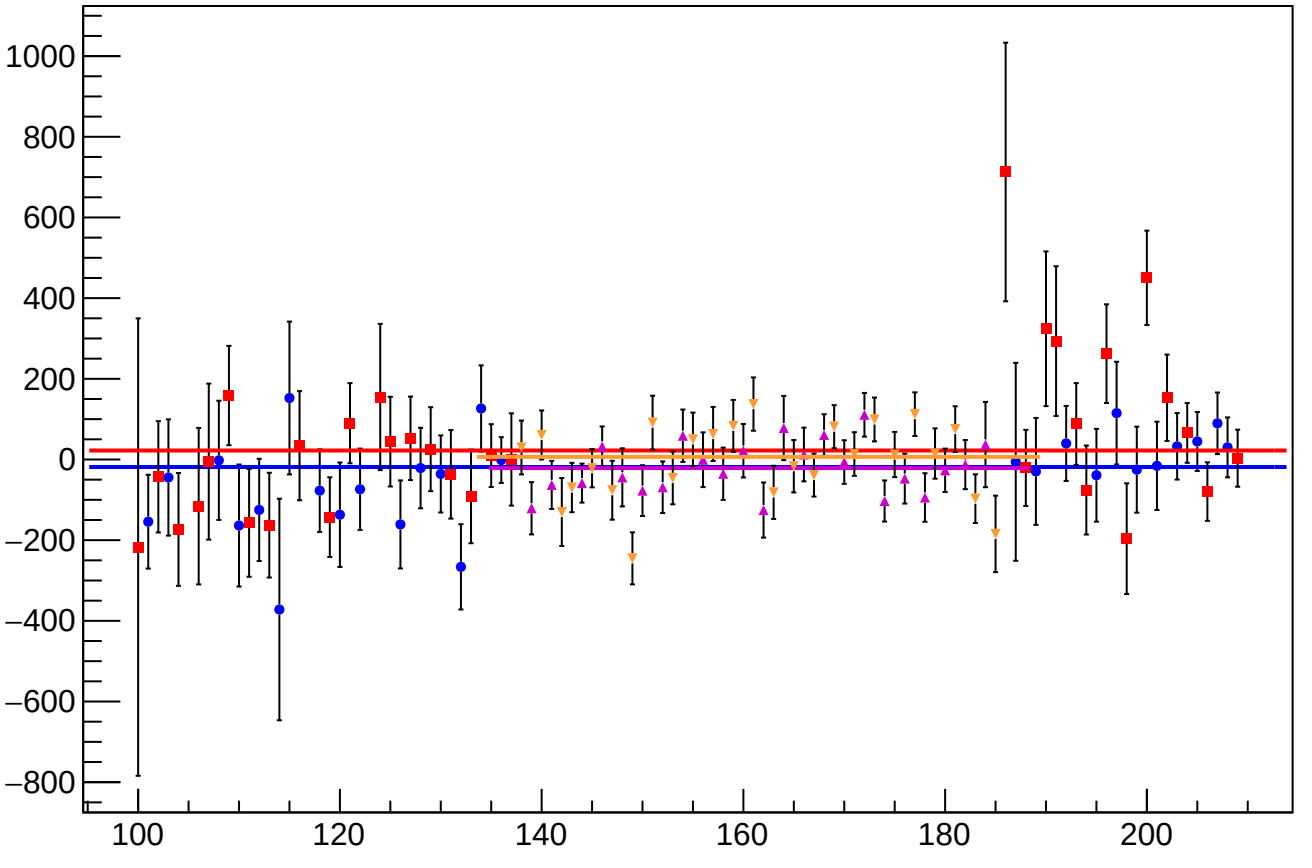
Left: 330.724+/-0.039 χ^2/NDF: 3078149.1/47

Right: 772.948+/-0.100 χ^2/NDF: 5475448.6/58

In: 389.046+/-0.052 χ^2/NDF:11461771.5/49

Out: 390.222+/-0.051 χ^2/NDF:14173811.7/56

All: 389.644+/-0.036 χ^2/NDF: 25635844.4/10



Right In: -18.672+/-19.859 χ^2/NDF: 21.2/26

Left Out: 6.526+/-12.287 χ^2/NDF:50.6/24

Right Out: 22.301+/-19.978 χ^2/NDF: 47.5/31

Left In: -21.335+/-12.649 χ^2/NDF:25.4/22

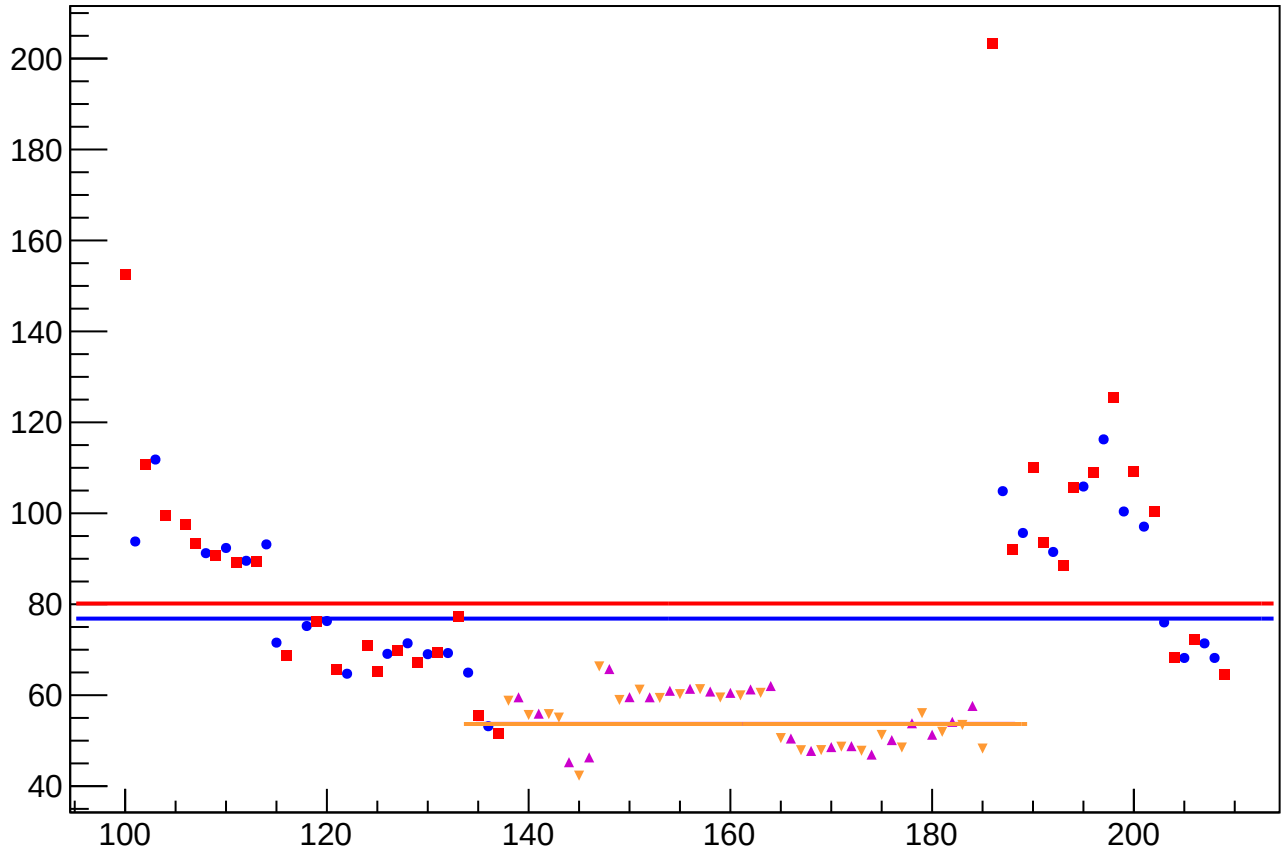
Left: -7.000+/-8.814 χ^2/NDF: 78.5/47

Right: 1.693+/-14.084 χ^2/NDF: 70.9/58

In: -20.566+/-10.669 χ^2/NDF:46.6/49

Out: 10.855+/-10.466 χ^2/NDF:98.6/56

All: -4.554+/-7.471 χ^2/NDF: 149.6/106



Right In: 76.843+/-0.014 χ^2/NDF: 1338153.9/26

Left Out: 53.666+/-0.009 χ^2/NDF:472206.8/24

Right Out: 80.160+/-0.014 χ^2/NDF: 1931514.2/31

Left In: 53.695+/-0.009 χ^2/NDF:471343.7/22

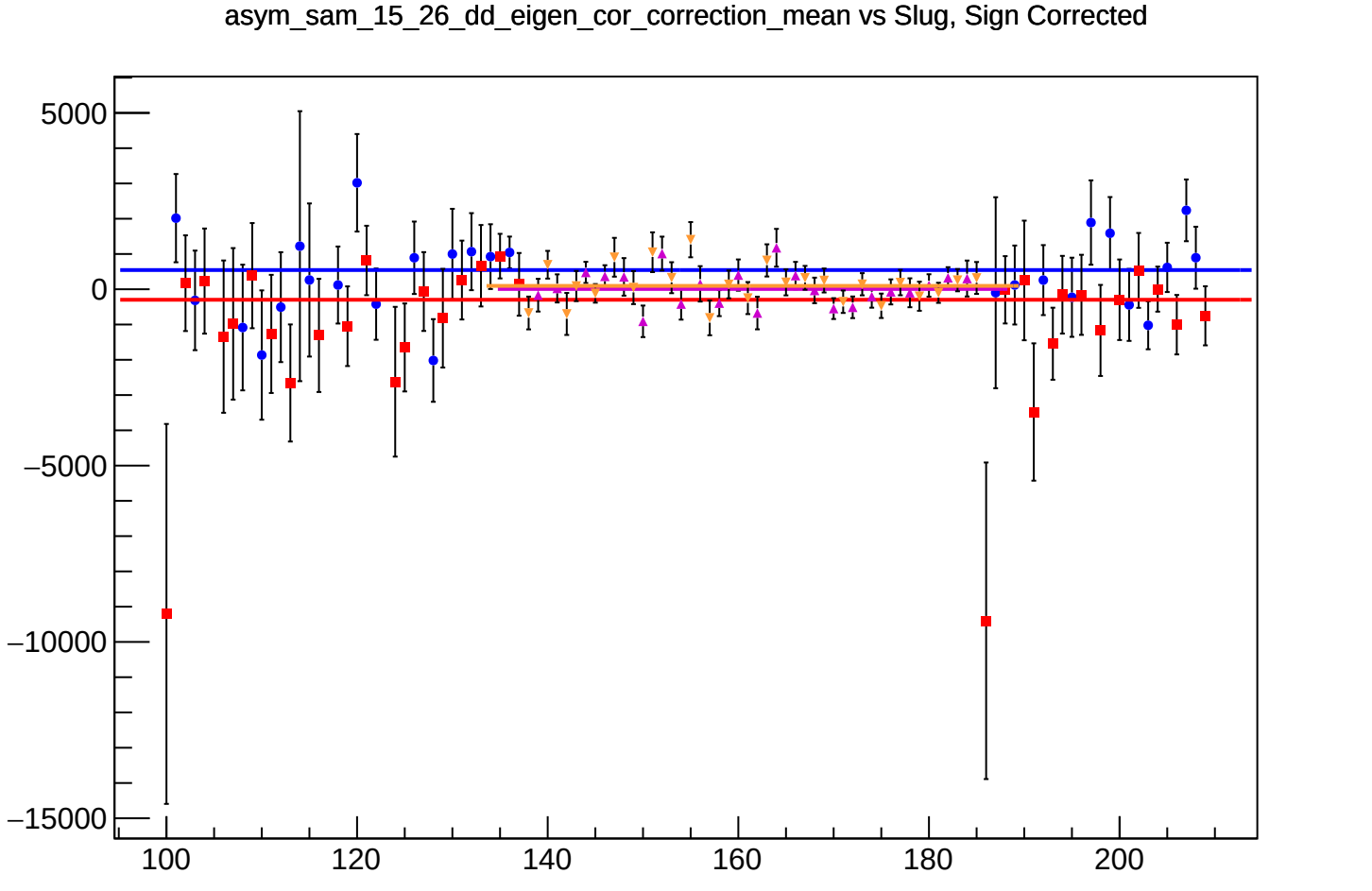
Left: 53.680+/-0.006 χ^2/NDF: 943555.9/47

Right: 78.492+/-0.010 χ^2/NDF: 3297399.4/58

In: 60.376+/-0.008 χ^2/NDF:3742664.8/49

Out: 60.937+/-0.007 χ^2/NDF:4955959.5/56

All: 60.662+/-0.005 χ^2/NDF: 8701448.8/106



Right In: 545.035+/-195.339 χ^2/NDF: 29.0/26

Left Out: 95.458+/-77.134 χ^2/NDF:33.2/24

Right Out: -297.896+/-203.360 χ^2/NDF: 26.4/31

Left In: 7.875+/-79.125 χ^2/NDF:32.3/22

Left: 52.783+/-55.233 χ^2/NDF: 66.1/47

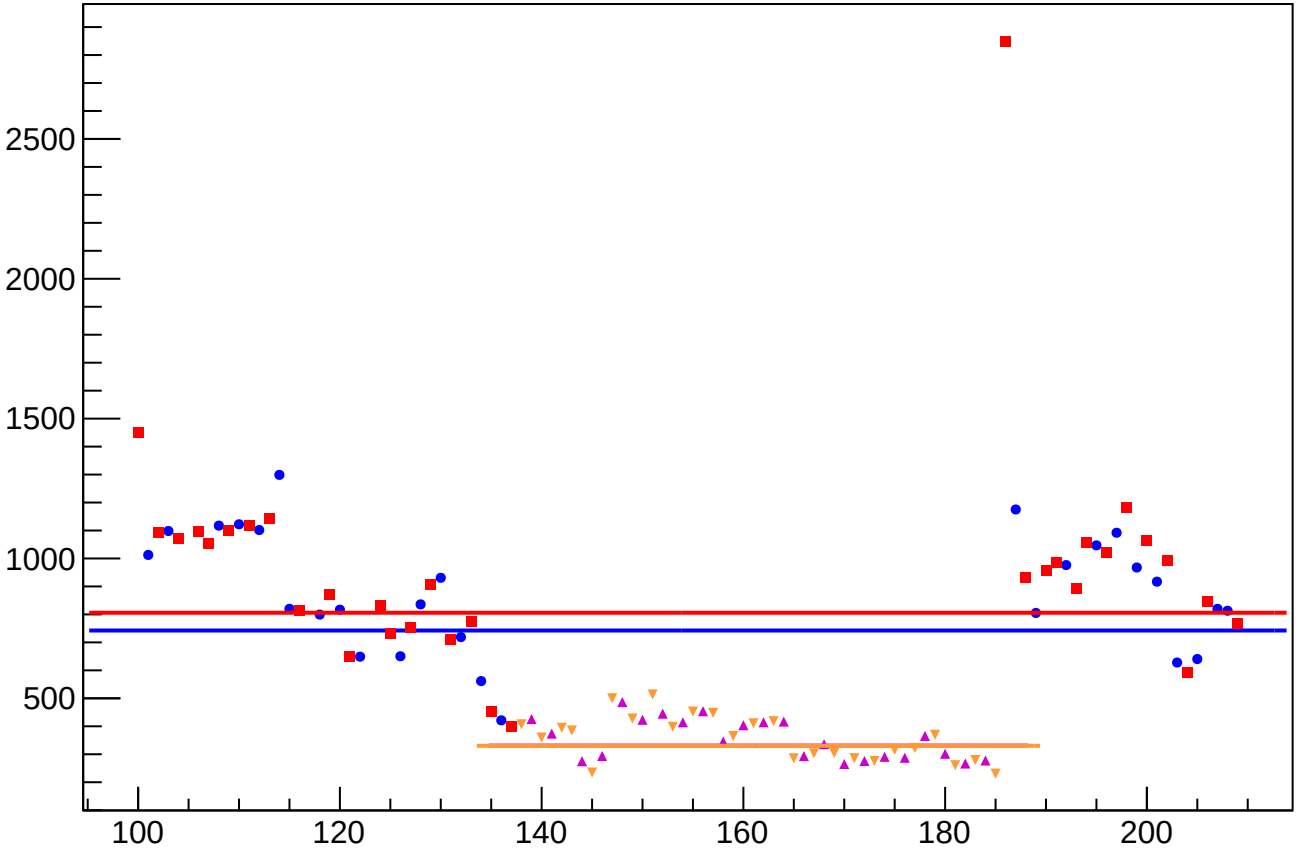
Right: 140.520+/-140.876 χ^2/NDF: 64.3/58

In: 83.589+/-73.337 χ^2/NDF:67.8/49

Out: 45.985+/-72.121 χ^2/NDF:62.8/56

All: 64.473+/-51.422 χ^2/NDF: 130.7/106

asym_sam_15_26_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 742.458+/-0.138 χ^2/NDF: 2515426.7/26

Left Out: 330.405+/-0.055 χ^2/NDF:1752469.2/24

Right Out: 805.994+/-0.144 χ^2/NDF: 2858481.7/31

Left In: 331.058+/-0.056 χ^2/NDF:1325610.1/22

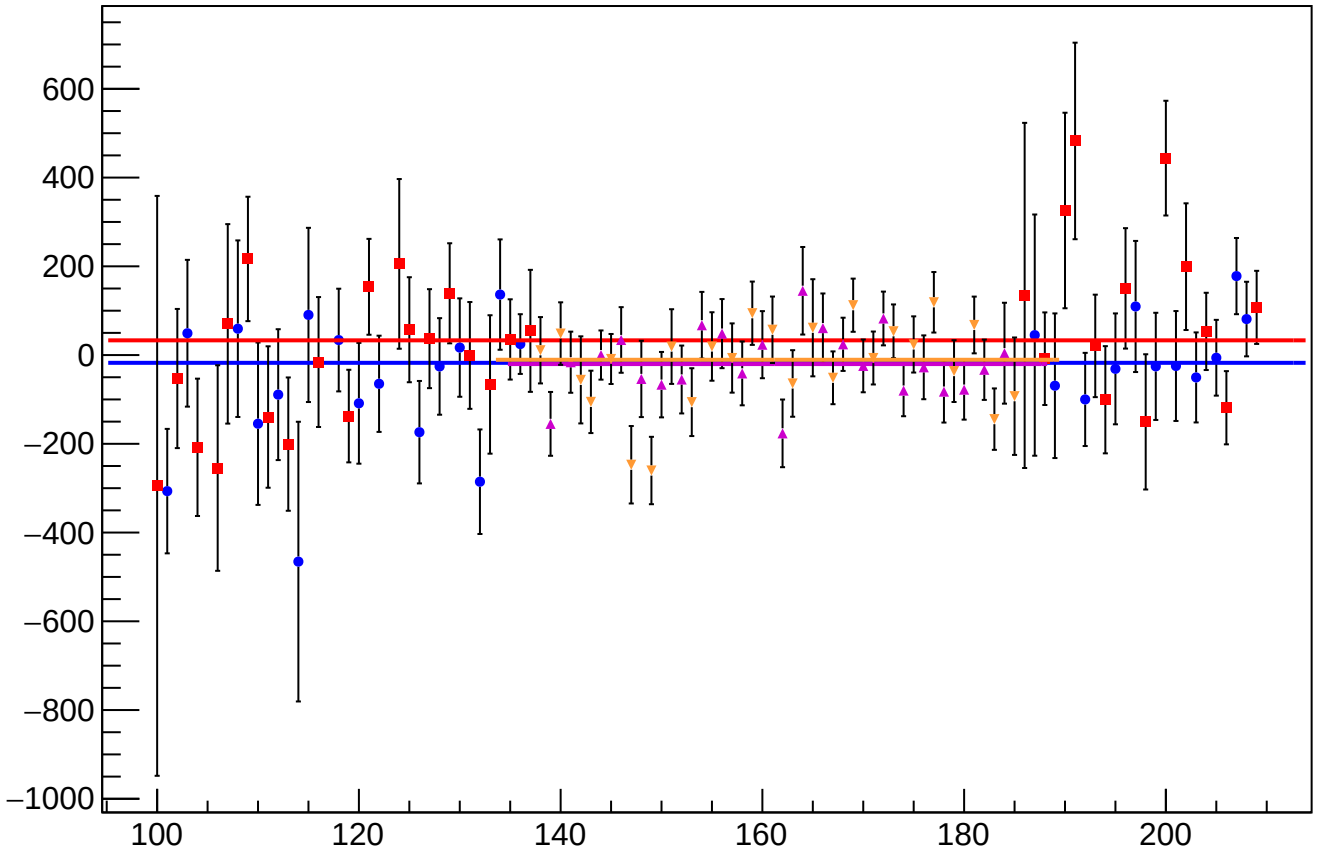
Left: 330.724+/-0.039 χ^2/NDF: 3078149.1/47

Right: 772.948+/-0.100 χ^2/NDF: 5475448.6/58

In: 389.046+/-0.052 χ^2/NDF:11461771.5/49

Out: 390.222+/-0.051 χ^2/NDF:14173811.7/56

All: 389.644+/-0.036 χ^2/NDF: 25635844.4/10



Right In: -17.480+/-22.742 χ^2/NDF: 25.8/26

Left Out: -10.614+/-14.311 χ^2/NDF:42.2/24

Right Out: 33.187+/-22.701 χ^2/NDF: 41.4/31

Left In: -20.306+/-14.750 χ^2/NDF:21.7/22

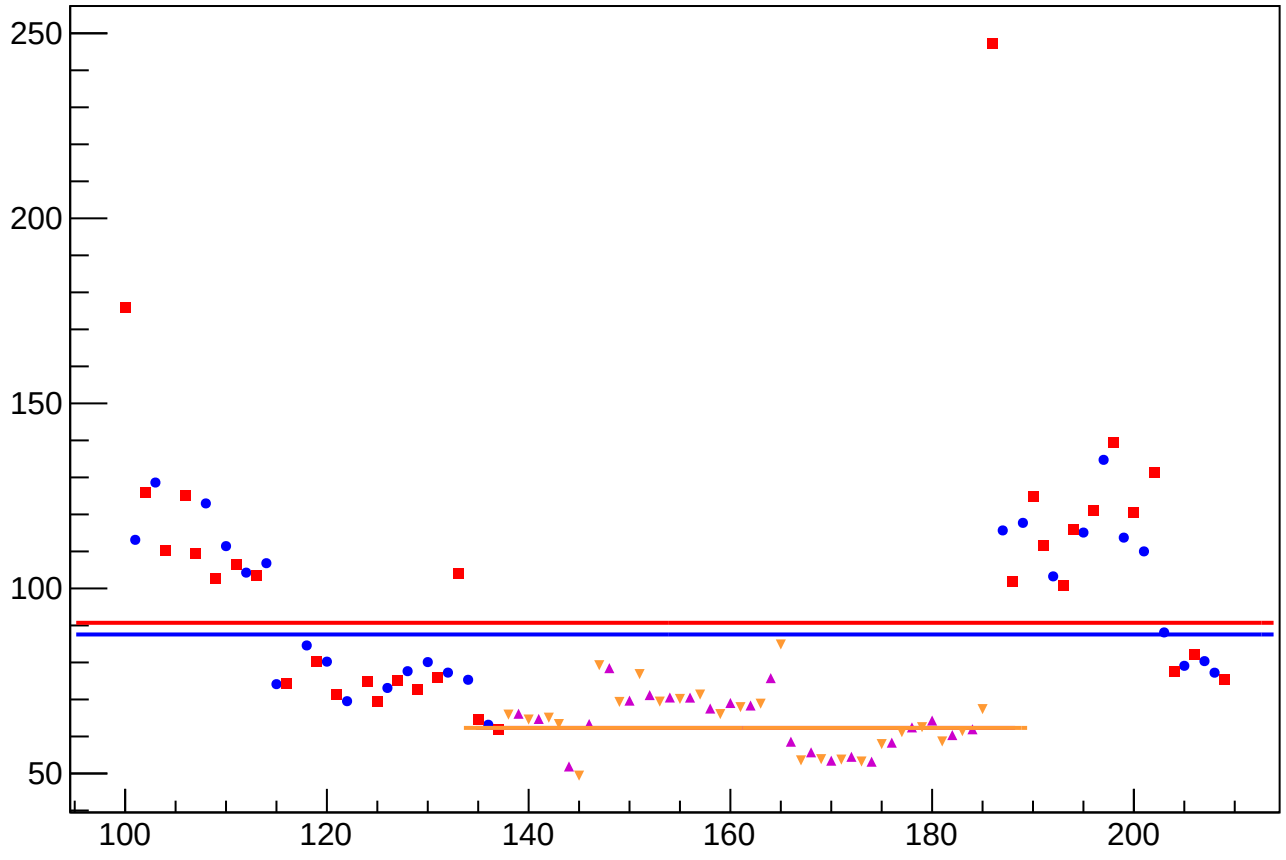
Left: -15.313+/-10.271 χ^2/NDF: 64.1/47

Right: 7.899+/-16.067 χ^2/NDF: 69.6/58

In: -19.469+/-12.375 χ^2/NDF:47.5/49

Out: 1.842+/-12.106 χ^2/NDF:86.3/56

All: -8.579+/-8.654 χ^2/NDF: 135.2/106



Right In: 87.562+/-0.016 χ^2/NDF: 1405553.1/26

Left Out: 62.316+/-0.010 χ^2/NDF:636269.1/24

Right Out: 90.716+/-0.016 χ^2/NDF: 2076090.5/31

Left In: 62.310+/-0.010 χ^2/NDF:484549.5/22

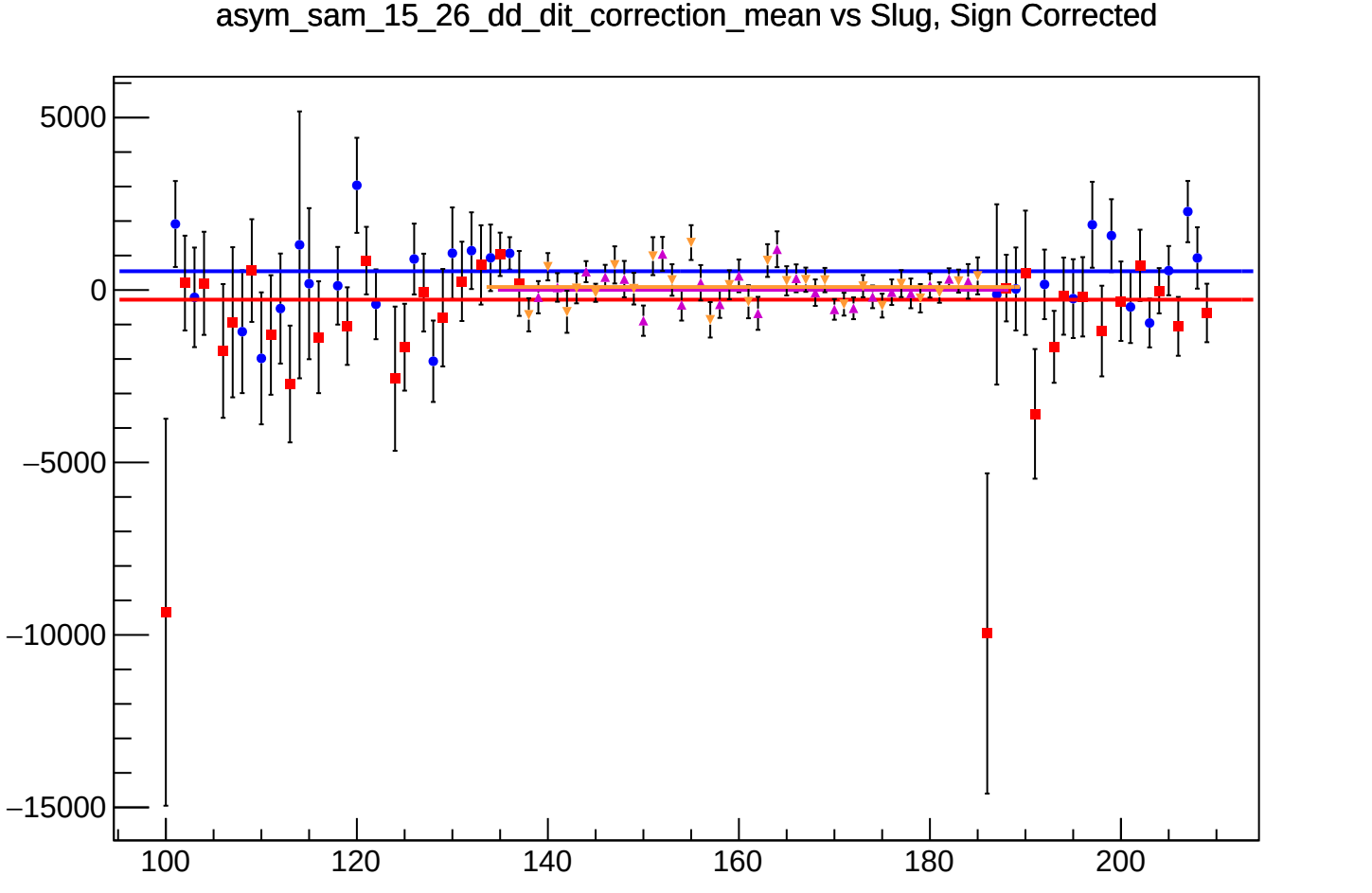
Left: 62.313+/-0.007 χ^2/NDF: 1120818.8/47

Right: 89.142+/-0.011 χ^2/NDF: 3500905.0/58

In: 69.787+/-0.009 χ^2/NDF:3625732.8/49

Out: 70.392+/-0.009 χ^2/NDF:4952229.6/56

All: 70.097+/-0.006 χ^2/NDF: 8580406.4/106



Right In: 544.458+/-200.568 χ^2/NDF: 28.3/26

Left Out: 86.985+/-79.837 χ^2/NDF:31.7/24

Right Out: -279.865+/-205.440 χ^2/NDF: 28.8/31

Left In: 6.497+/-82.111 χ^2/NDF:32.4/22

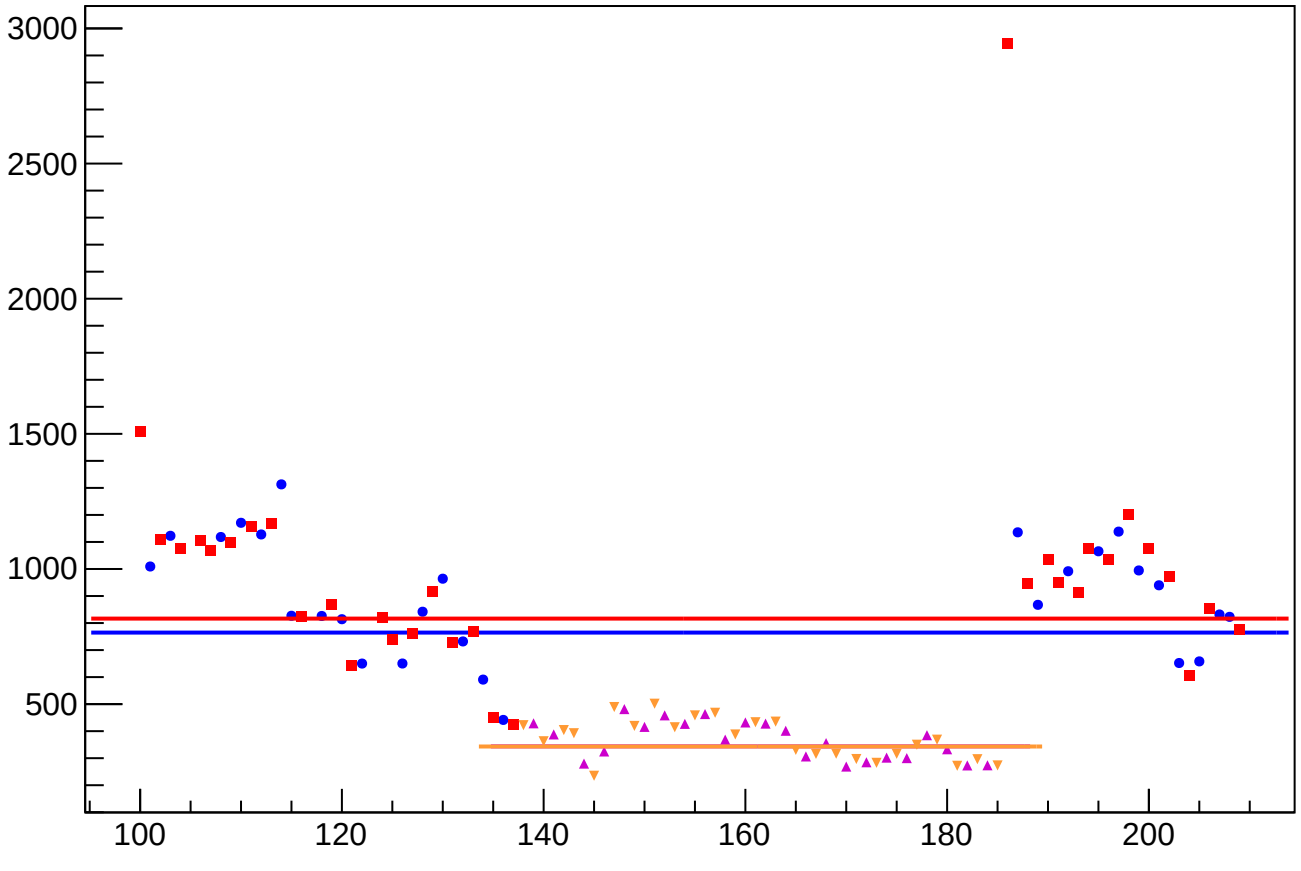
Left: 47.871+/-57.240 χ^2/NDF: 64.6/47

Right: 142.187+/-143.515 χ^2/NDF: 65.4/58

In: 83.717+/-75.989 χ^2/NDF:66.9/49

Out: 38.852+/-74.415 χ^2/NDF:63.2/56

All: 60.815+/-53.167 χ^2/NDF: 130.3/106



Right In: 764.695+/-0.142 χ^2/NDF: 2380515.6/26

Left Out: 343.225+/-0.056 χ^2/NDF:1595394.3/24

Right Out: 816.452+/-0.145 χ^2/NDF: 2849178.7/31

Left In: 343.717+/-0.058 χ^2/NDF:1258376.8/22

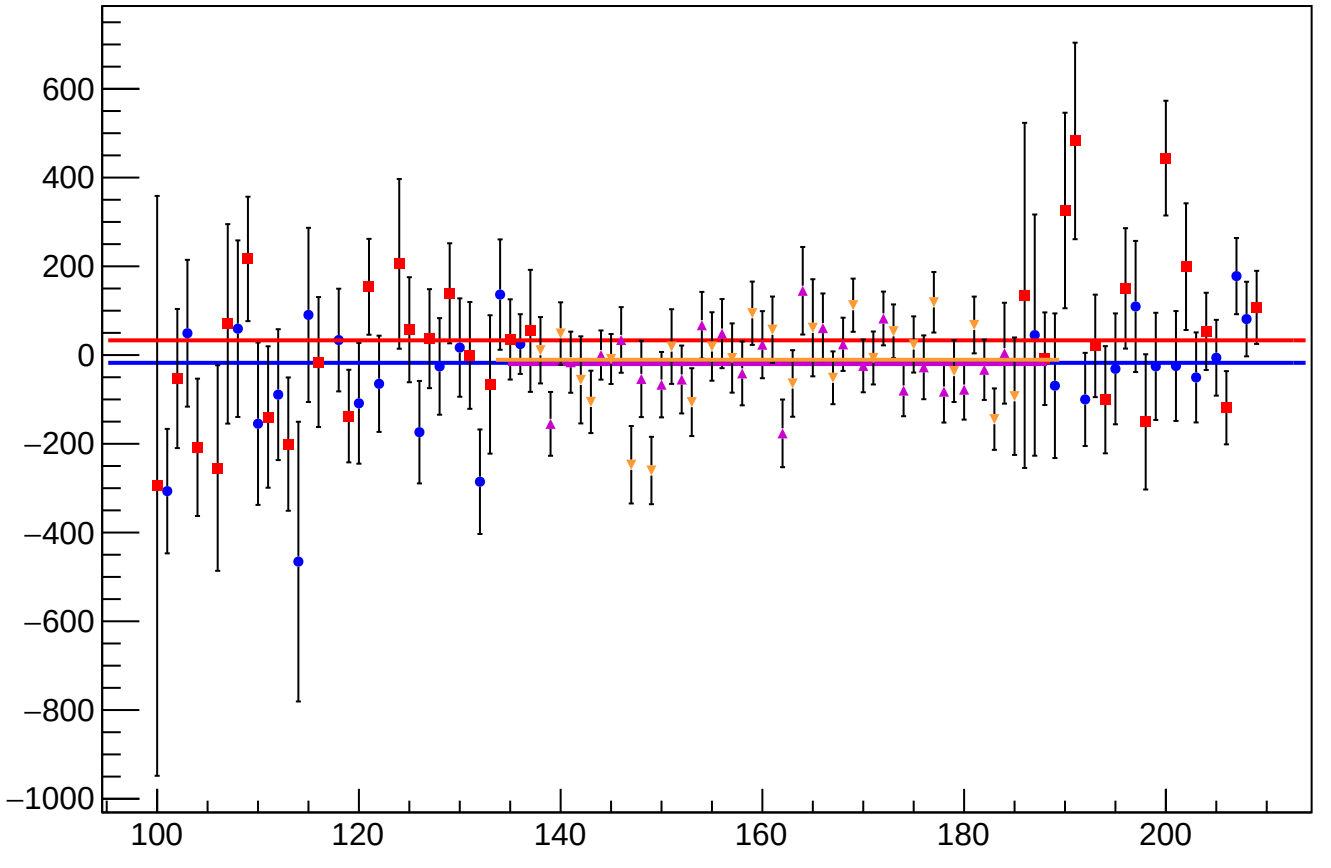
Left: 343.464+/-0.040 χ^2/NDF: 2853808.0/47

Right: 789.952+/-0.101 χ^2/NDF: 5294689.0/58

In: 404.145+/-0.054 χ^2/NDF:11185133.1/49

Out: 405.315+/-0.053 χ^2/NDF:13664257.0/56

All: 404.742+/-0.038 χ^2/NDF: 24849631.9/10



Right In: -17.481+/-22.742 χ^2/NDF: 25.8/26

Left Out: -10.613+/-14.311 χ^2/NDF:42.2/24

Right Out: 33.187+/-22.701 χ^2/NDF: 41.4/31

Left In: -20.306+/-14.750 χ^2/NDF:21.7/22

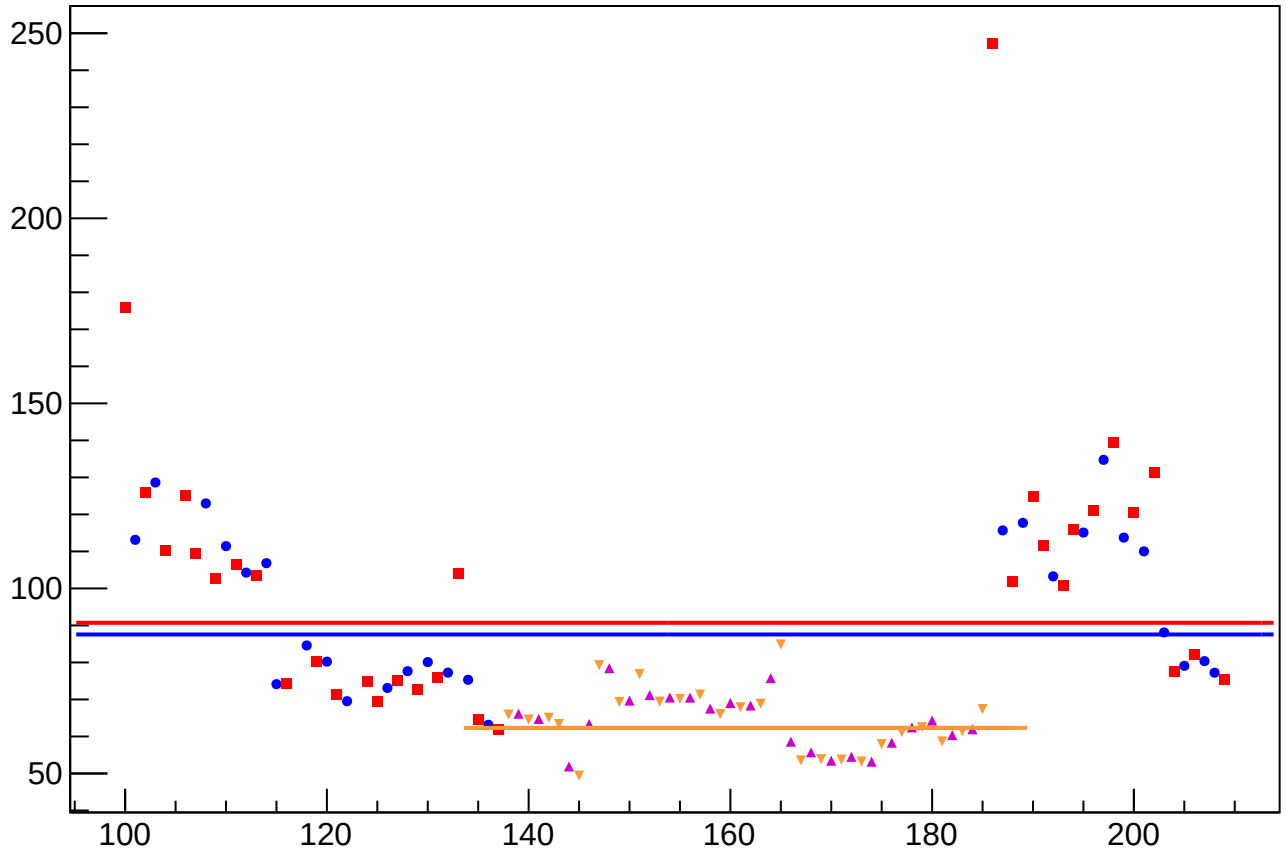
Left: -15.313+/-10.271 χ^2/NDF: 64.1/47

Right: 7.899+/-16.067 χ^2/NDF: 69.6/58

In: -19.469+/-12.375 χ^2/NDF:47.5/49

Out: 1.843+/-12.106 χ^2/NDF:86.3/56

All: -8.579+/-8.654 χ^2/NDF: 135.2/106



Right In: 87.562+/-0.016 χ^2/NDF: 1405568.0/26

Left Out: 62.316+/-0.010 χ^2/NDF:636268.2/24

Right Out: 90.715+/-0.016 χ^2/NDF: 2076084.5/31

Left In: 62.311+/-0.010 χ^2/NDF:484544.3/22

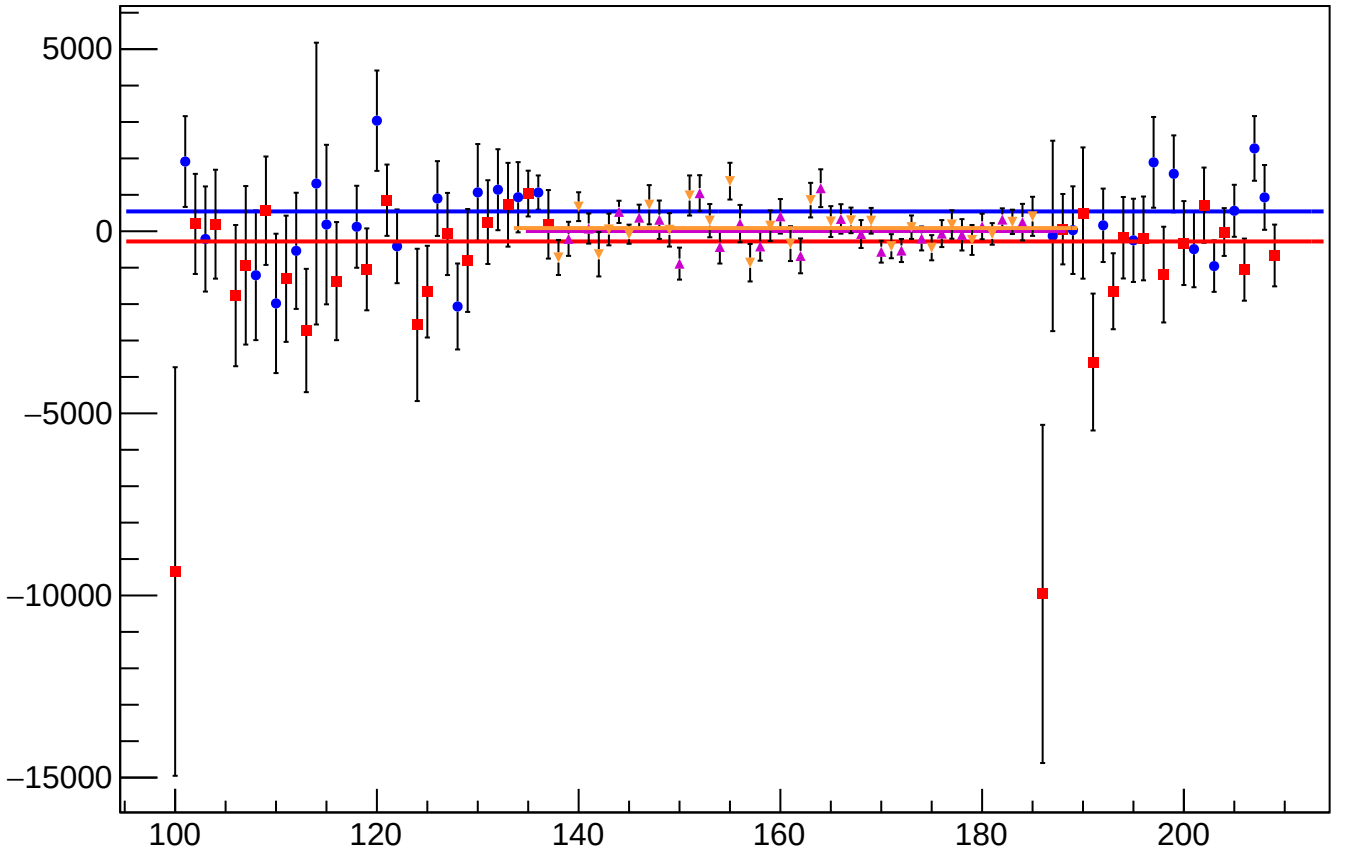
Left: 62.314+/-0.007 χ^2/NDF: 1120812.6/47

Right: 89.141+/-0.011 χ^2/NDF: 3500915.9/58

In: 69.787+/-0.009 χ^2/NDF:3625682.2/49

Out: 70.392+/-0.009 χ^2/NDF:4952197.4/56

All: 70.097+/-0.006 χ^2/NDF: 8580323.0/106



Right In: 544.459+/-200.568 χ^2/NDF: 28.3/26

Left Out: 86.985+/-79.837 χ^2/NDF:31.7/24

Right Out: -279.866+/-205.440 χ^2/NDF: 28.8/31

Left In: 6.497+/-82.111 χ^2/NDF:32.4/22

Left: 47.871+/-57.240 χ^2/NDF: 64.6/47

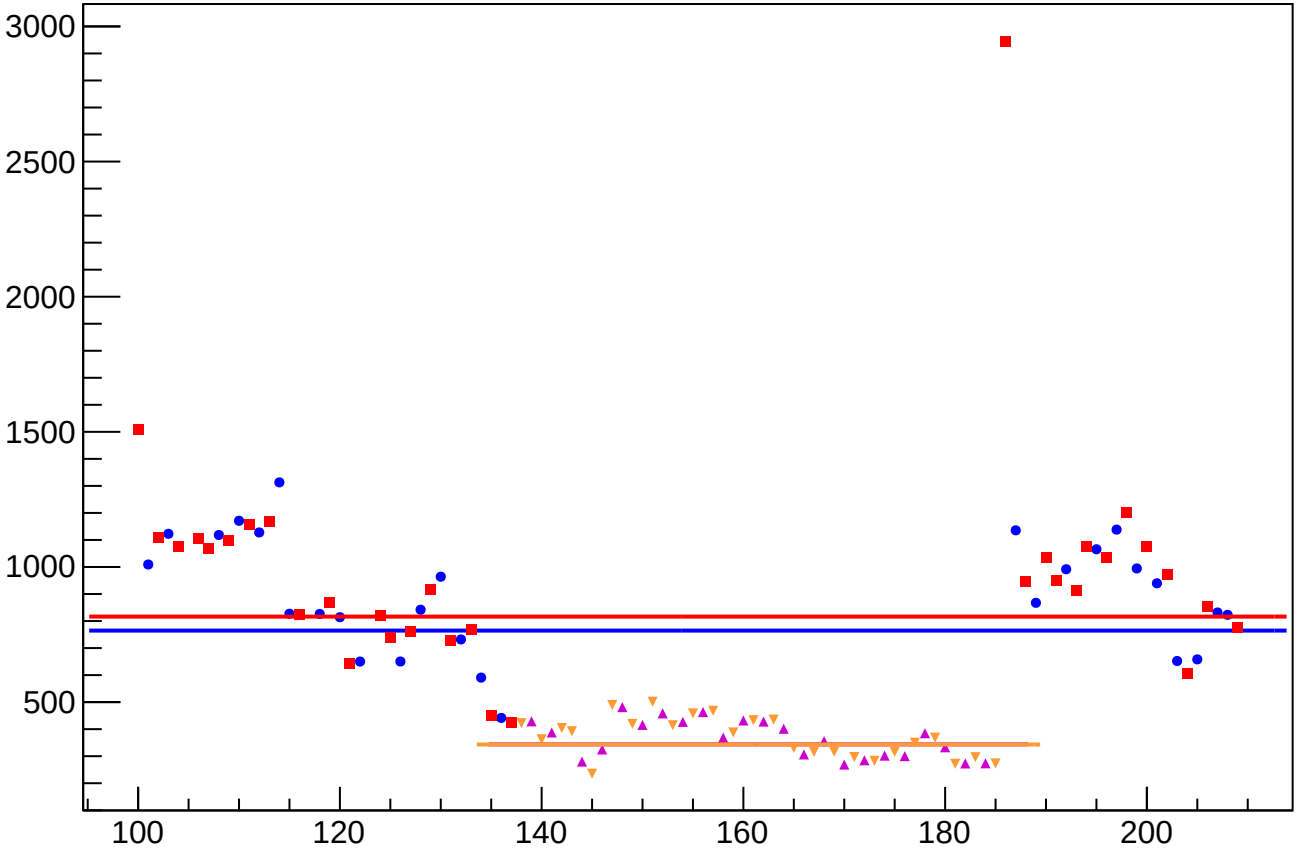
Right: 142.187+/-143.515 χ^2/NDF: 65.4/58

In: 83.718+/-75.989 χ^2/NDF:66.9/49

Out: 38.852+/-74.415 χ^2/NDF:63.2/56

All: 60.815+/-53.167 χ^2/NDF: 130.3/106

asym_sam_15_26_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 764.695+/-0.142 χ^2/NDF: 2380501.9/26

Left Out: 343.225+/-0.056 χ^2/NDF:1595415.4/24

Right Out: 816.453+/-0.145 χ^2/NDF: 2849167.9/31

Left In: 343.717+/-0.058 χ^2/NDF:1258392.0/22

Left: 343.464+/-0.040 χ^2/NDF: 2853844.3/47

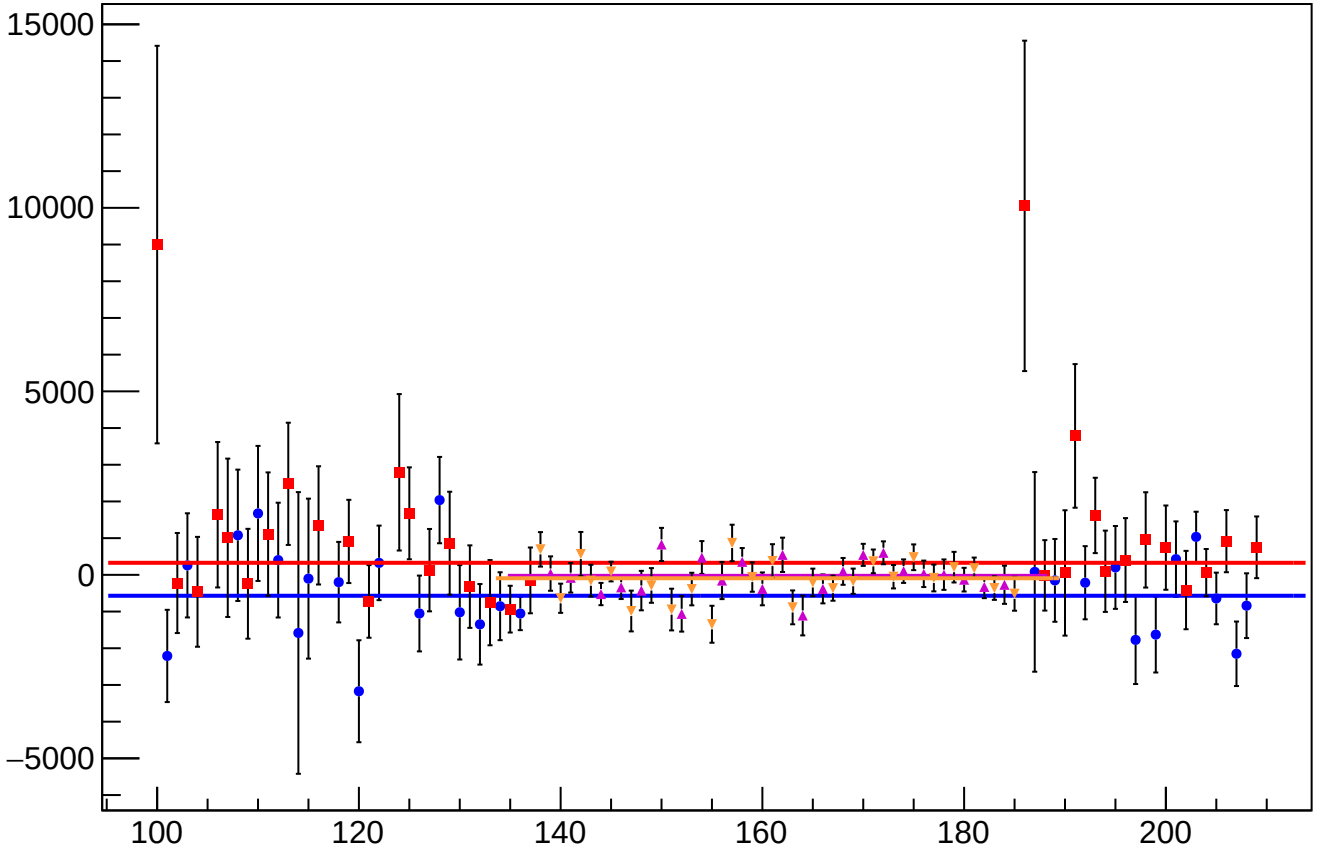
Right: 789.953+/-0.101 χ^2/NDF: 5294664.4/58

In: 404.145+/-0.054 χ^2/NDF:11185132.5/49

Out: 405.315+/-0.053 χ^2/NDF:13664268.9/56

All: 404.742+/-0.038 χ^2/NDF: 24849643.2/10

asym_sam_15_26_dd_mean vs Slug, Sign Corrected



Right In: -569.730+/-196.522 χ^2/NDF: 28.9/26

Left Out: -92.671+/-78.184 χ^2/NDF:34.2/24

Right Out: 328.316+/-204.285 χ^2/NDF: 26.8/31

Left In: -27.173+/-80.207 χ^2/NDF:30.9/22

Left: -60.759+/-55.986 χ^2/NDF: 65.4/47

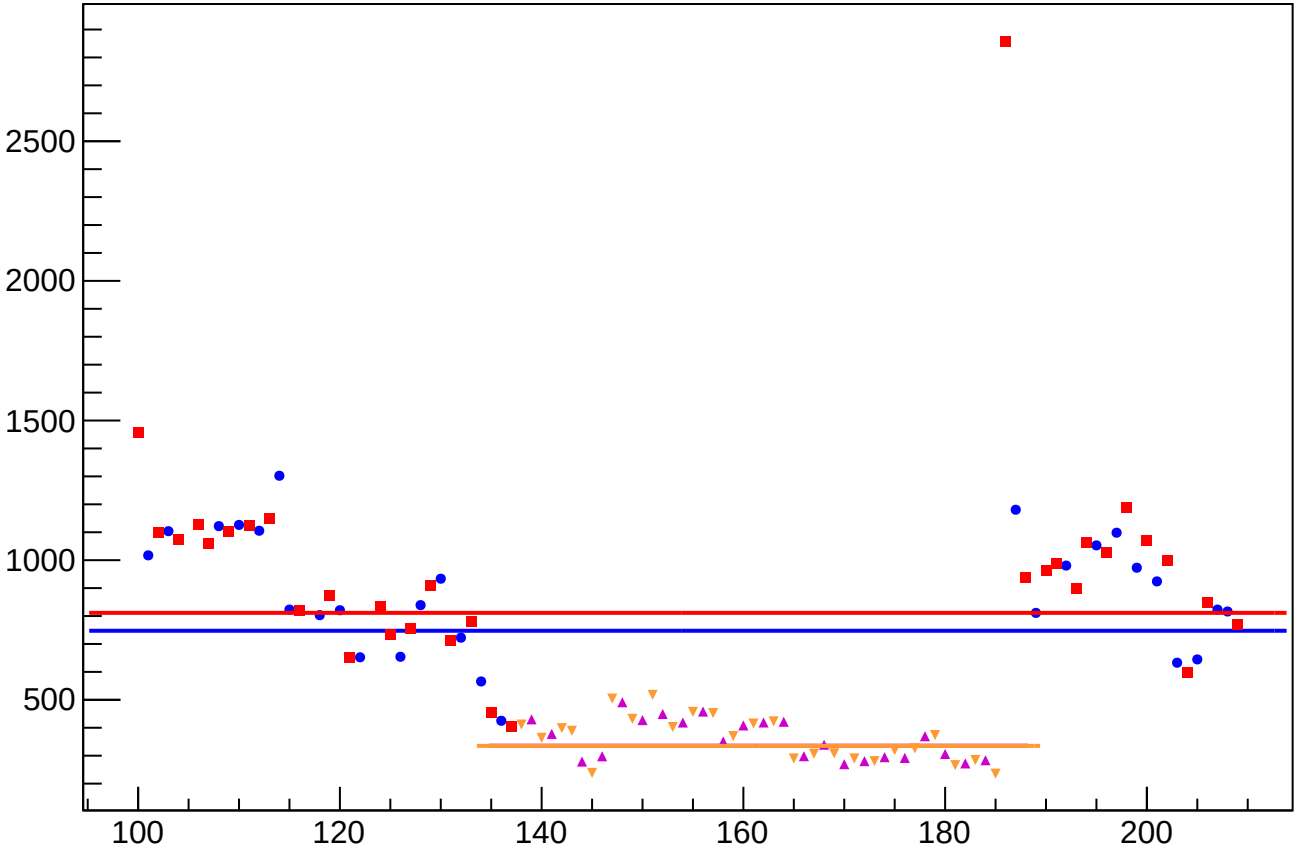
Right: -138.094+/-141.627 χ^2/NDF: 65.7/58

In: -104.644+/-74.261 χ^2/NDF:66.3/49

Out: -38.885+/-73.019 χ^2/NDF:64.7/56

All: -71.210+/-52.066 χ^2/NDF: 131.4/106

asym_sam_15_26_dd_rms vs Slug, Sign Corrected



Right In: 747.283+/-0.139 χ^2/NDF: 2492502.1/26

Left Out: 335.150+/-0.055 χ^2/NDF:1706014.2/24

Right Out: 811.418+/-0.144 χ^2/NDF: 2856505.9/31

Left In: 335.787+/-0.057 χ^2/NDF:1291376.5/22

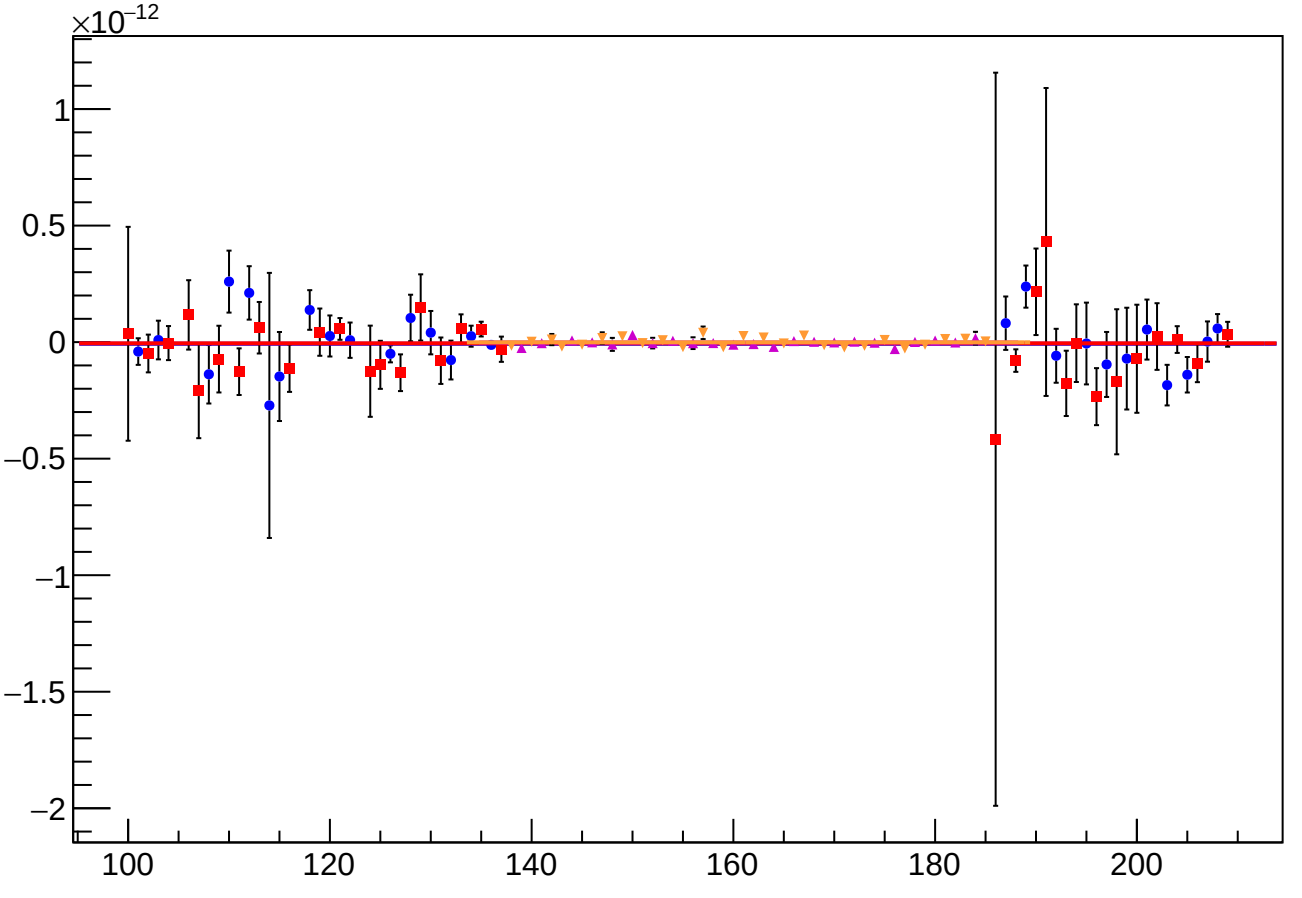
Left: 335.460+/-0.040 χ^2/NDF: 2997455.5/47

Right: 778.109+/-0.100 χ^2/NDF: 5451387.1/58

In: 394.544+/-0.053 χ^2/NDF:11300554.6/49

Out: 395.999+/-0.052 χ^2/NDF:14044418.0/56

All: 395.284+/-0.037 χ^2/NDF: 25345362.7/10



Right In: -0.000+/-0.000 χ^2/NDF: 34.4/26

Left Out: -0.000+/-0.000 χ^2/NDF:33.3/24

Right Out: -0.000+/-0.000 χ^2/NDF: 29.0/31

Left In: -0.000+/-0.000 χ^2/NDF:14.8/22

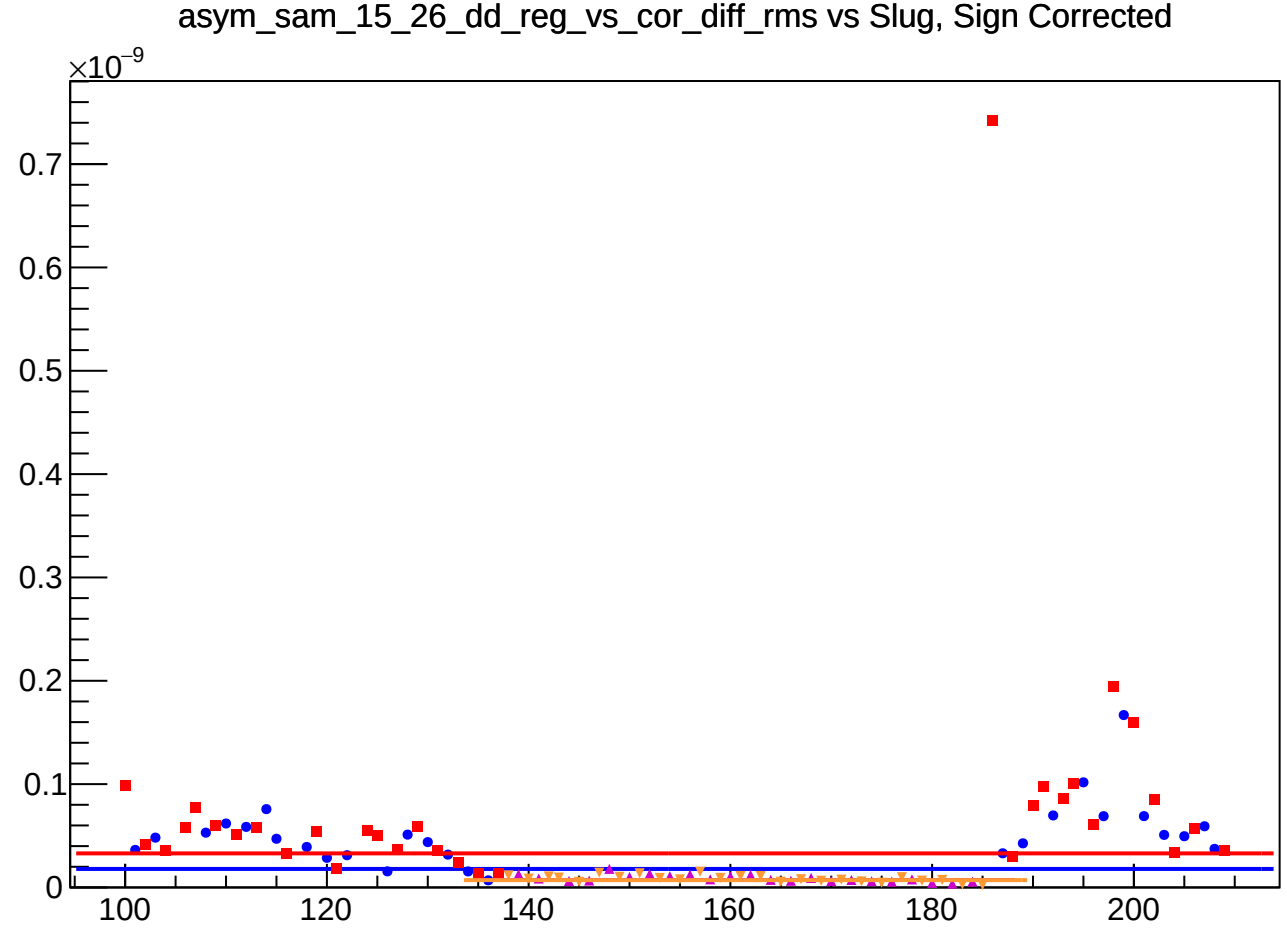
Left: -0.000+/-0.000 χ^2/NDF: 48.1/47

Right: -0.000+/-0.000 χ^2/NDF: 63.4/58

In: -0.000+/-0.000 χ^2/NDF:49.5/49

Out: -0.000+/-0.000 χ^2/NDF:62.3/56

All: -0.000+/-0.000 χ^2/NDF: 111.9/106



Right In: 0.000+/-0.000 χ^2/NDF: 7237103.5/26

Left Out: 0.000+/-0.000 χ^2/NDF:2000233.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 4802419.0/31

Left In: 0.000+/-0.000 χ^2/NDF:1604062.0/22

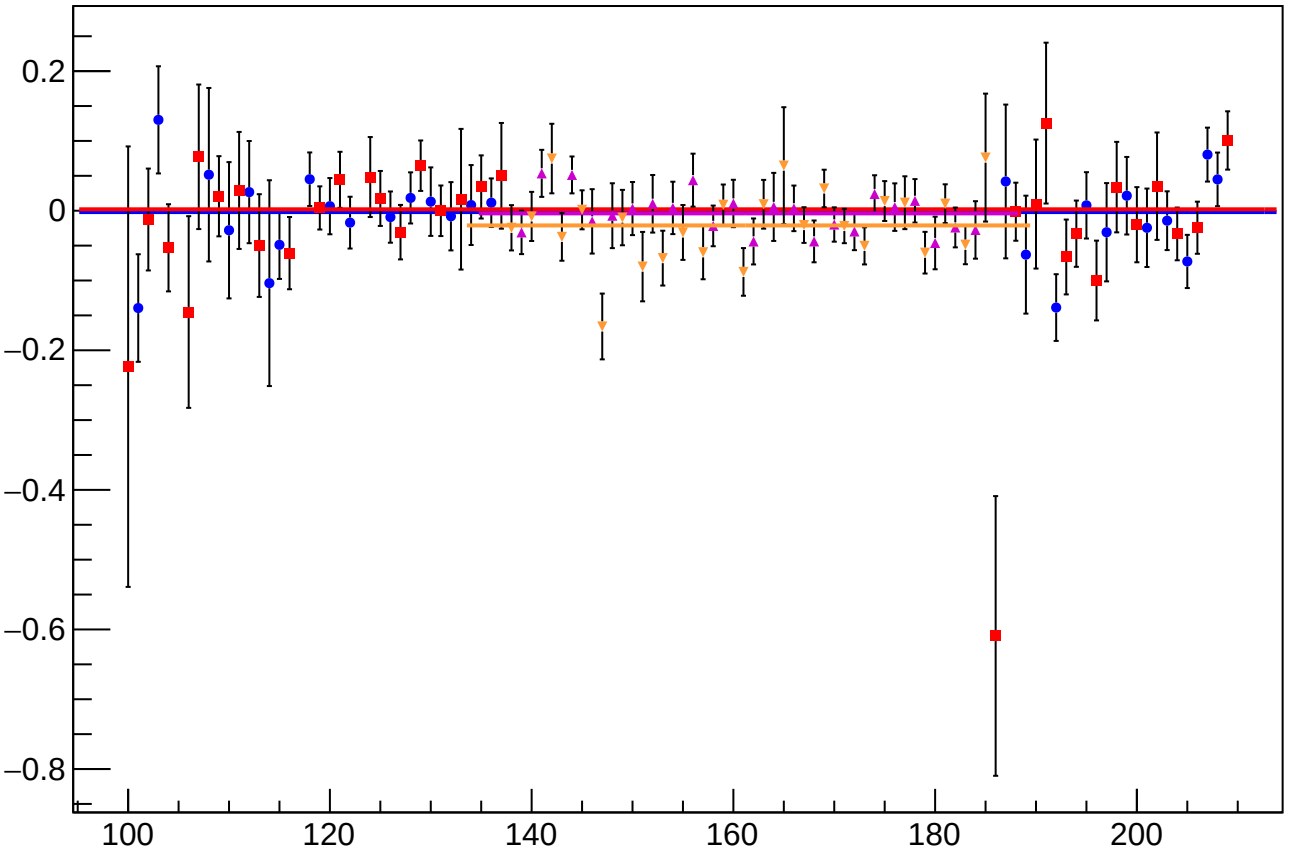
Left: 0.000+/-0.000 χ^2/NDF: 3606525.6/47

Right: 0.000+/-0.000 χ^2/NDF: 13529758.1/58

In: 0.000+/-0.000 χ^2/NDF:11001510.3/49

Out: 0.000+/-0.000 χ^2/NDF:13038398.4/56

All: 0.000+/-0.000 χ^2/NDF: 24040238.4/106



Right In: -0.002+/-0.009 χ^2/NDF: 29.3/26

Left Out: -0.021+/-0.007 χ^2/NDF:37.2/24

Right Out: 0.002+/-0.009 χ^2/NDF: 35.1/31

Left In: -0.004+/-0.007 χ^2/NDF:18.7/22

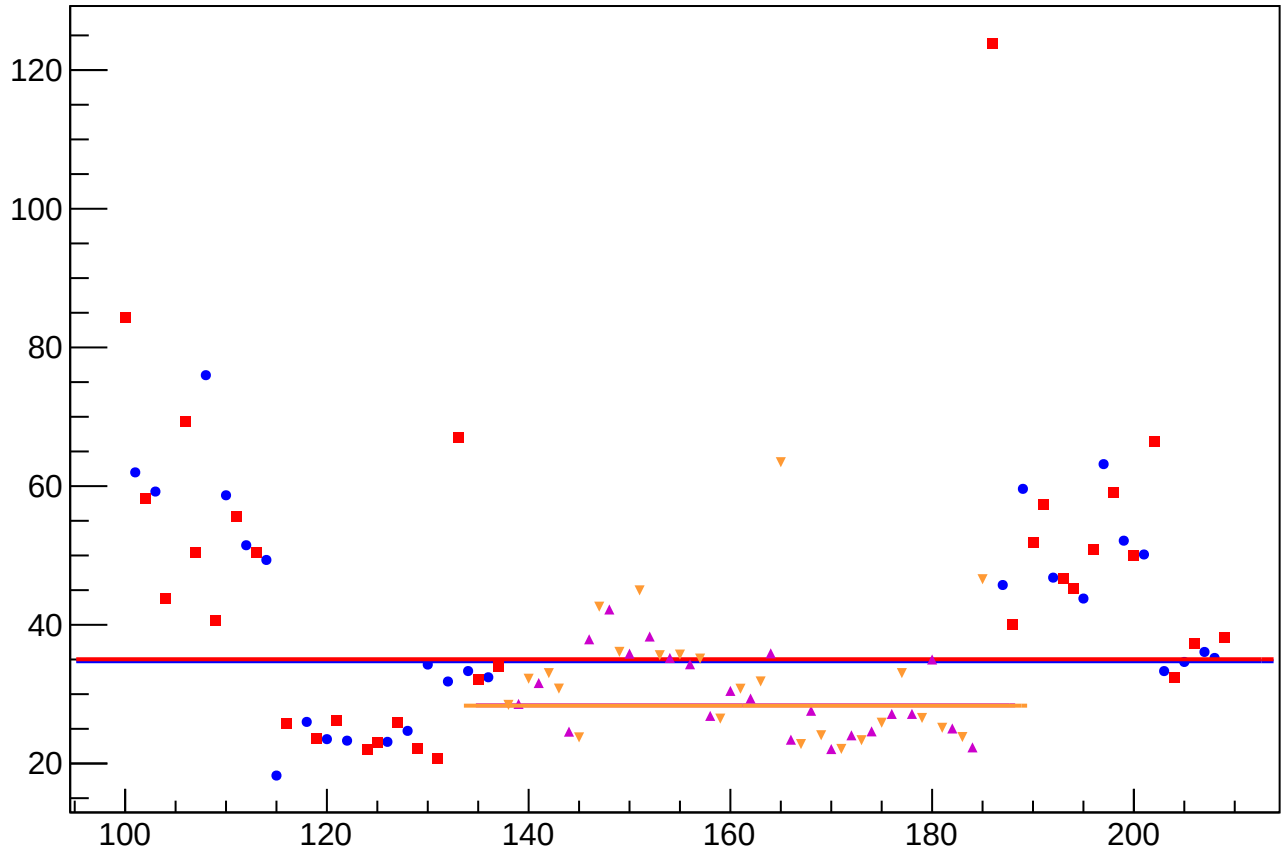
Left: -0.013+/-0.005 χ^2/NDF: 59.1/47

Right: 0.000+/-0.007 χ^2/NDF: 64.5/58

In: -0.003+/-0.006 χ^2/NDF:48.0/49

Out: -0.013+/-0.005 χ^2/NDF:76.4/56

All: -0.008+/-0.004 χ^2/NDF: 126.0/106



Right In: 34.749+/-0.007 χ^2/NDF: 3032615.6/26

Left Out: 28.342+/-0.005 χ^2/NDF:1733592.1/24

Right Out: 35.035+/-0.007 χ^2/NDF: 3989731.2/31

Left In: 28.389+/-0.005 χ^2/NDF:1098849.1/22

Left: 28.365+/-0.003 χ^2/NDF: 2832490.4/47

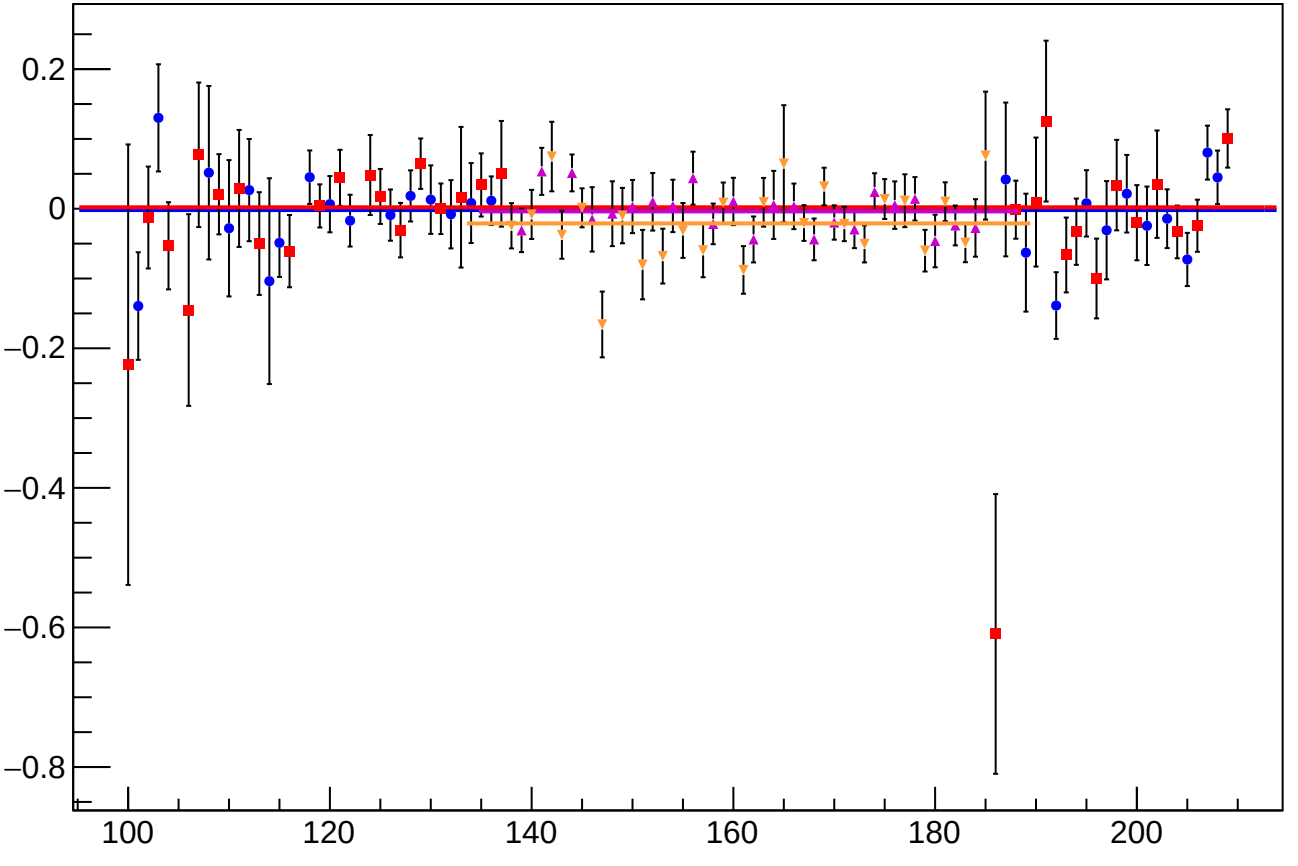
Right: 34.896+/-0.005 χ^2/NDF: 7023287.3/58

In: 30.581+/-0.004 χ^2/NDF:4723807.2/49

Out: 30.646+/-0.004 χ^2/NDF:6416608.5/56

All: 30.614+/-0.003 χ^2/NDF: 11140555.7/106

asym_sam_15_26_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.002+/-0.009 χ^2/NDF: 29.3/26

Left Out: -0.021+/-0.007 χ^2/NDF:37.2/24

Right Out: 0.002+/-0.009 χ^2/NDF: 35.1/31

Left In: -0.004+/-0.007 χ^2/NDF:18.7/22

Left: -0.013+/-0.005 χ^2/NDF: 59.1/47

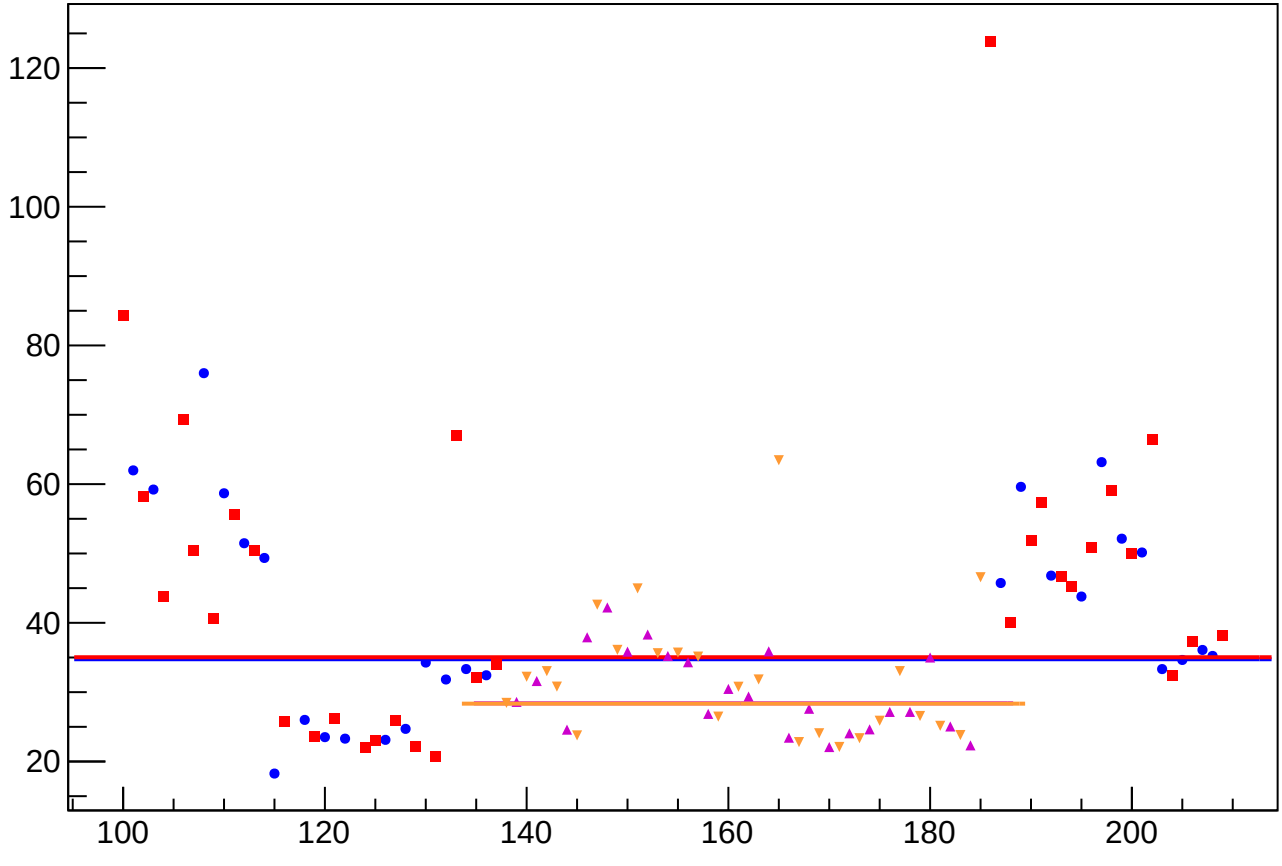
Right: 0.000+/-0.007 χ^2/NDF: 64.5/58

In: -0.003+/-0.006 χ^2/NDF:48.0/49

Out: -0.013+/-0.005 χ^2/NDF:76.4/56

All: -0.008+/-0.004 χ^2/NDF: 126.0/106

asym_sam_15_26_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 34.749+/-0.007 χ^2/NDF: 3032615.6/26

Left Out: 28.342+/-0.005 χ^2/NDF:1733592.1/24

Right Out: 35.035+/-0.007 χ^2/NDF: 3989731.2/31

Left In: 28.389+/-0.005 χ^2/NDF:1098849.1/22

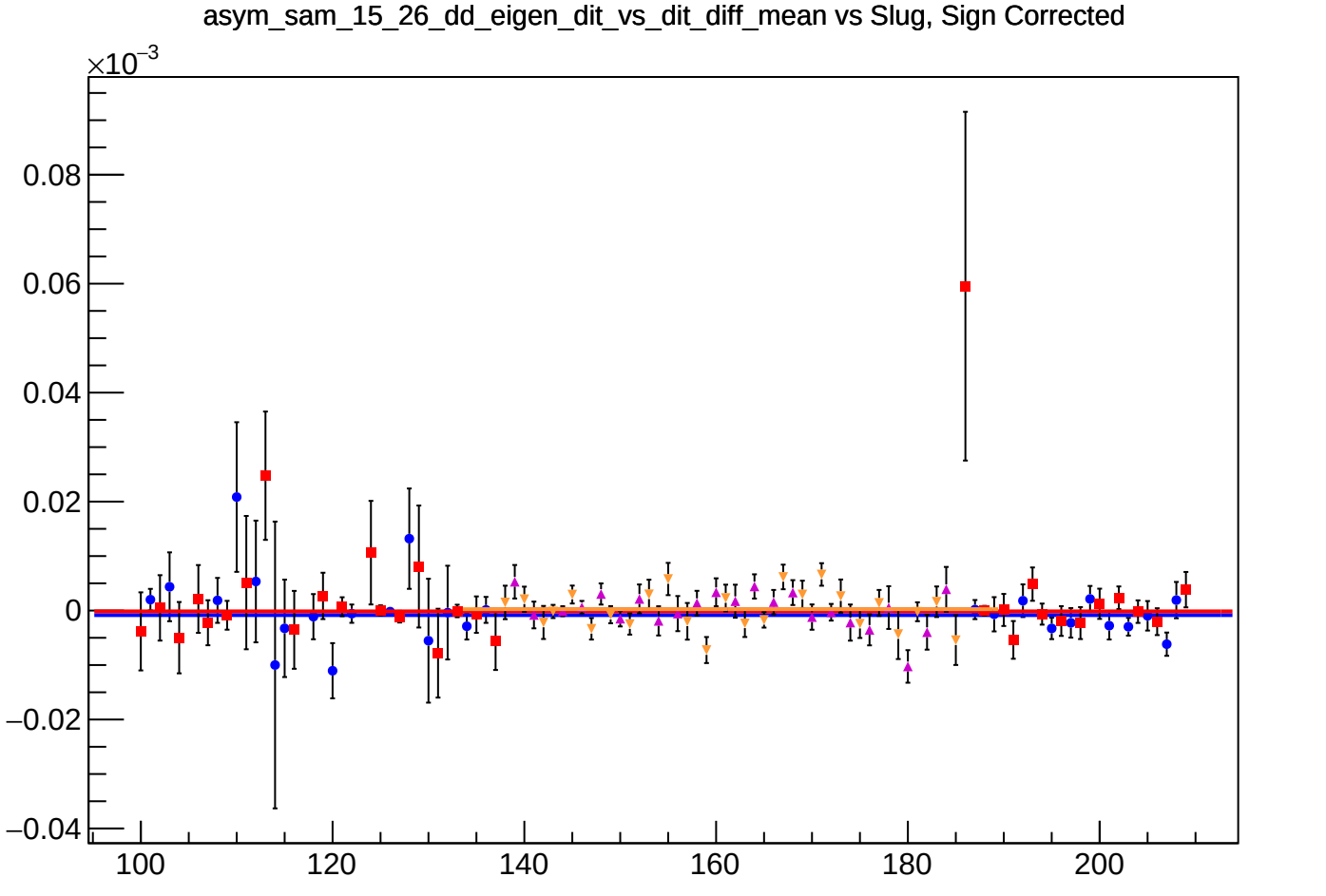
Left: 28.365+/-0.003 χ^2/NDF: 2832490.4/47

Right: 34.896+/-0.005 χ^2/NDF: 7023287.3/58

In: 30.581+/-0.004 χ^2/NDF:4723807.2/49

Out: 30.646+/-0.004 χ^2/NDF:6416608.5/56

All: 30.614+/-0.003 χ^2/NDF: 11140555.7/106



Right In: -0.000+/-0.000 χ^2/NDF: 27.9/26

Left Out: 0.000+/-0.000 χ^2/NDF:50.8/24

Right Out: -0.000+/-0.000 χ^2/NDF: 24.8/31

Left In: 0.000+/-0.000 χ^2/NDF:33.2/22

Left: 0.000+/-0.000 χ^2/NDF: 84.0/47

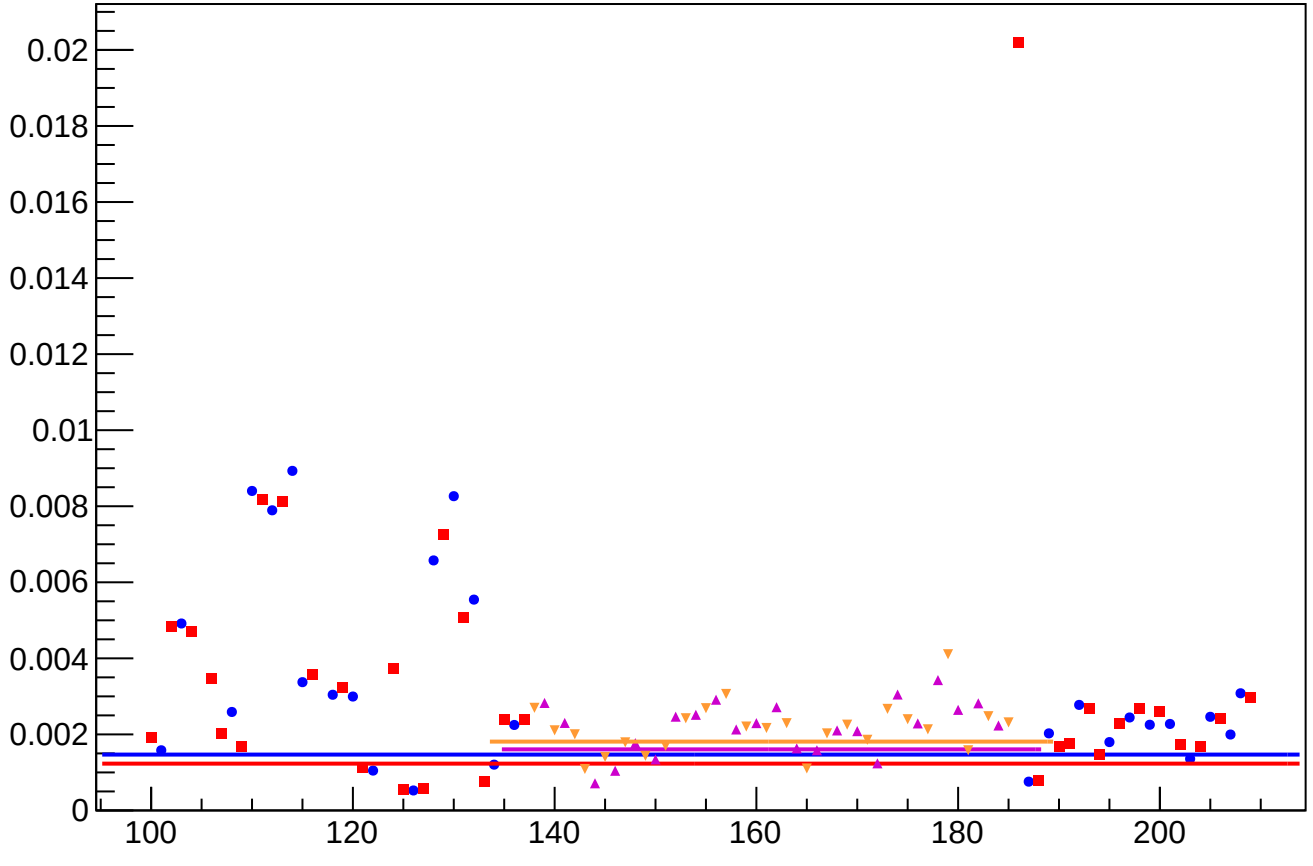
Right: -0.000+/-0.000 χ^2/NDF: 54.0/58

In: -0.000+/-0.000 χ^2/NDF:64.1/49

Out: 0.000+/-0.000 χ^2/NDF:76.0/56

All: -0.000+/-0.000 χ^2/NDF: 140.6/106

asym_sam_15_26_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.001+/-0.000 χ^2/NDF: 9743589.0/26

Left Out: 0.002+/-0.000 χ^2/NDF:3433566.6/24

Right Out: 0.001+/-0.000 χ^2/NDF: 11624444.7/31

Left In: 0.002+/-0.000 χ^2/NDF:6034225.5/22

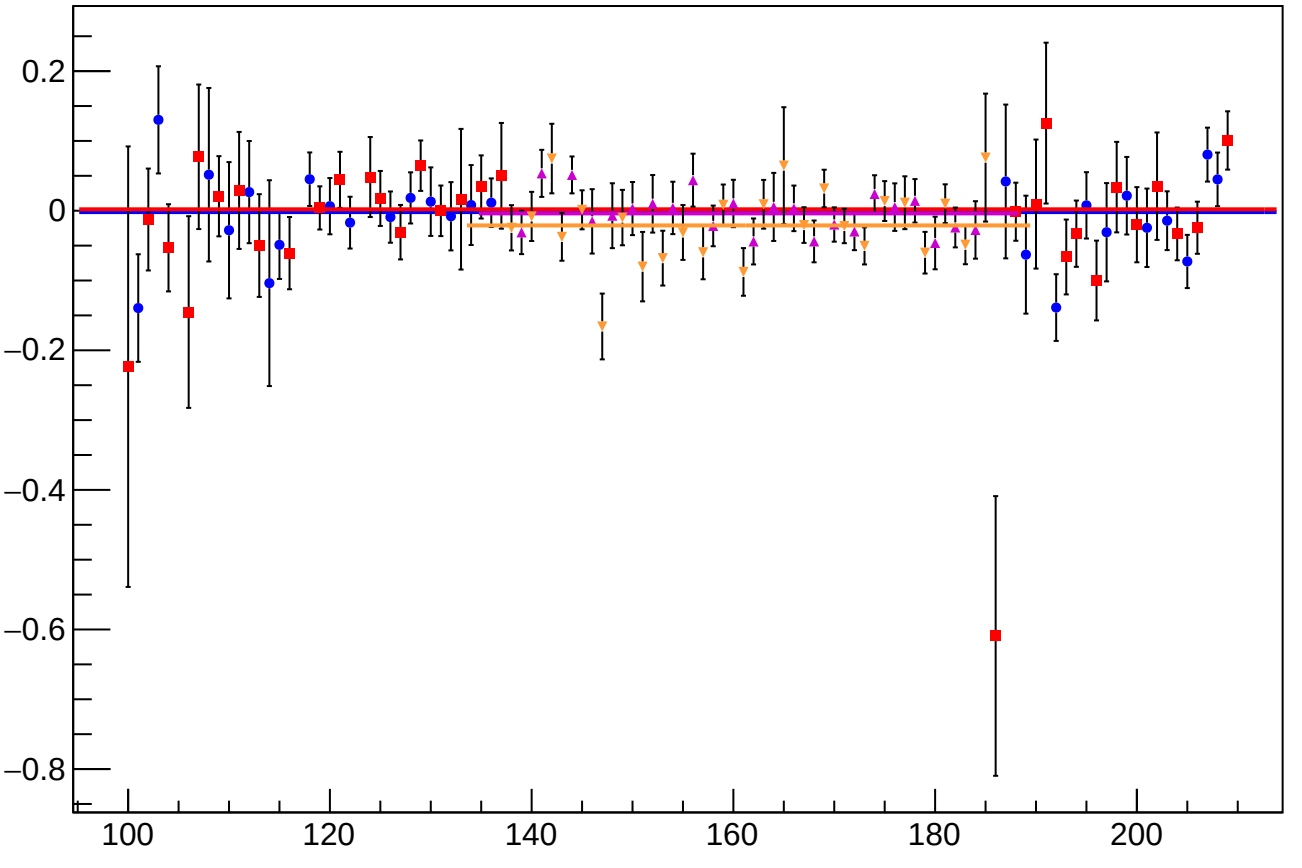
Left: 0.002+/-0.000 χ^2/NDF: 9693636.7/47

Right: 0.001+/-0.000 χ^2/NDF: 21680512.1/58

In: 0.002+/-0.000 χ^2/NDF:15874381.3/49

Out: 0.001+/-0.000 χ^2/NDF:17030437.5/56

All: 0.002+/-0.000 χ^2/NDF: 32937582.4/106



Right In: -0.002+/-0.009 χ^2/NDF: 29.3/26

Left Out: -0.021+/-0.007 χ^2/NDF:37.2/24

Right Out: 0.002+/-0.009 χ^2/NDF: 35.1/31

Left In: -0.004+/-0.007 χ^2/NDF:18.7/22

Left: -0.013+/-0.005 χ^2/NDF: 59.1/47

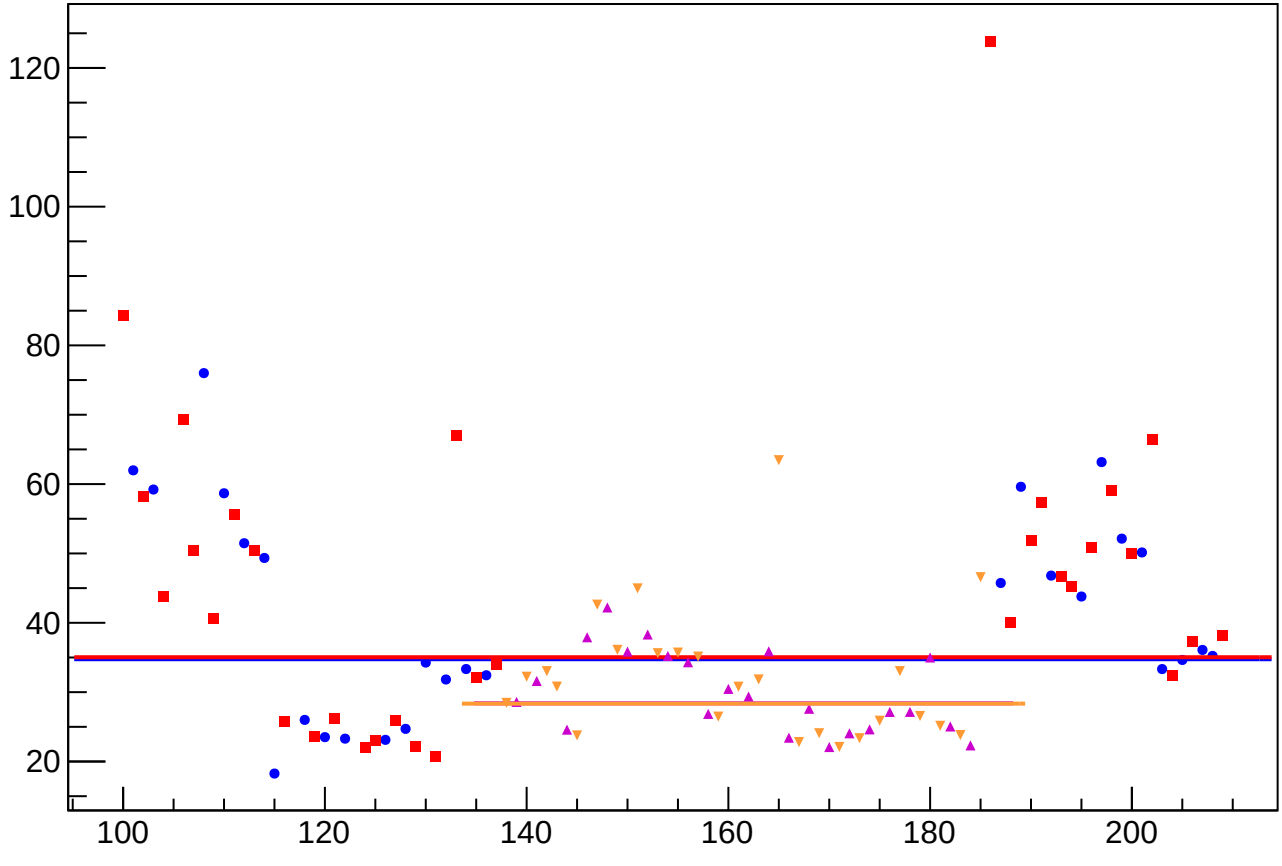
Right: 0.000+/-0.007 χ^2/NDF: 64.5/58

In: -0.003+/-0.006 χ^2/NDF:48.0/49

Out: -0.013+/-0.005 χ^2/NDF:76.4/56

All: -0.008+/-0.004 χ^2/NDF: 126.0/106

asym_sam_15_26_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 34.749+/-0.007 χ^2/NDF: 3032484.8/26

Left Out: 28.342+/-0.005 χ^2/NDF:1733585.3/24

Right Out: 35.035+/-0.007 χ^2/NDF: 3989844.9/31

Left In: 28.389+/-0.005 χ^2/NDF:1098852.1/22

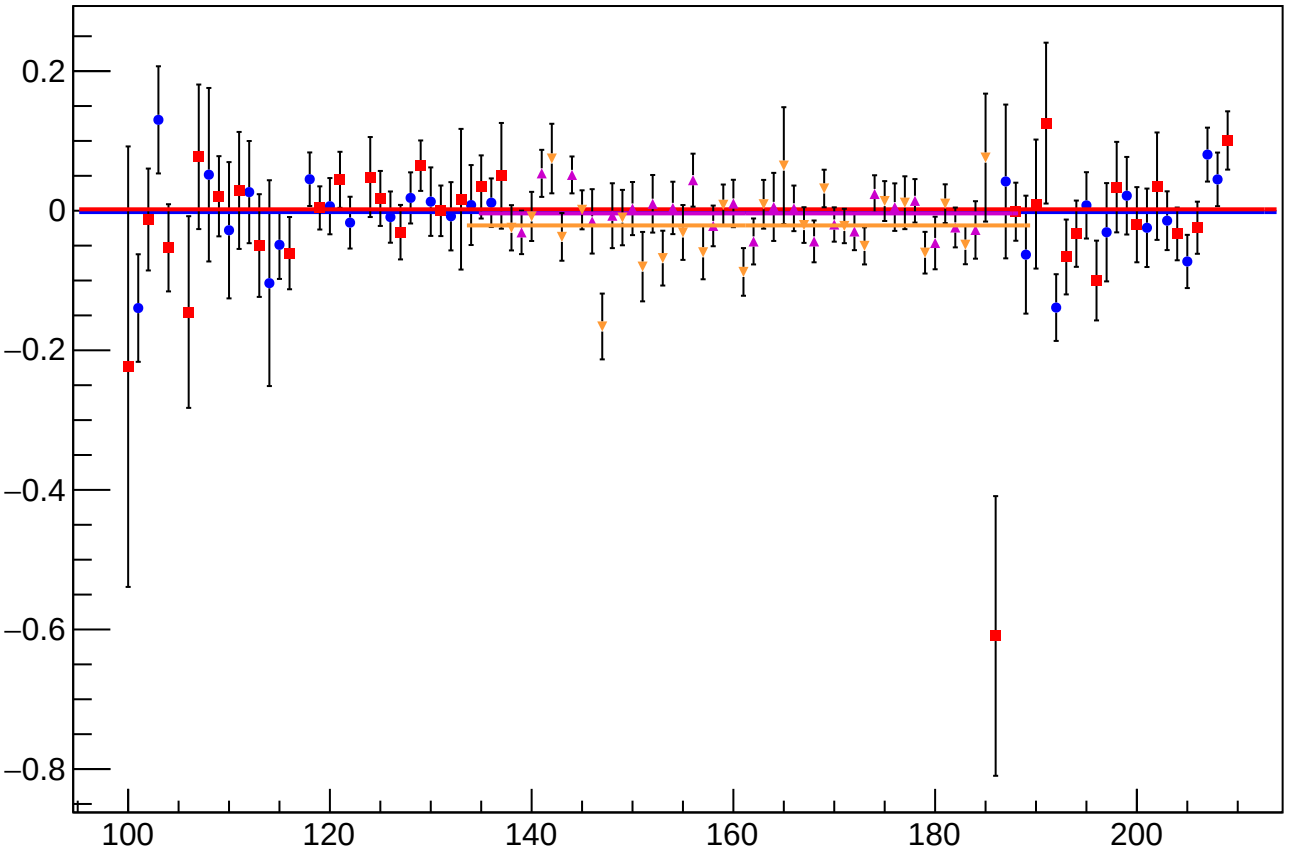
Left: 28.365+/-0.003 χ^2/NDF: 2832487.2/47

Right: 34.896+/-0.005 χ^2/NDF: 7023267.6/58

In: 30.581+/-0.004 χ^2/NDF:4723627.7/49

Out: 30.646+/-0.004 χ^2/NDF:6416622.0/56

All: 30.614+/-0.003 χ^2/NDF: 11140388.6/106



Right In: -0.002+/-0.009 χ^2/NDF: 29.3/26

Left Out: -0.021+/-0.007 χ^2/NDF:37.2/24

Right Out: 0.002+/-0.009 χ^2/NDF: 35.1/31

Left In: -0.004+/-0.007 χ^2/NDF:18.7/22

Left: -0.013+/-0.005 χ^2/NDF: 59.1/47

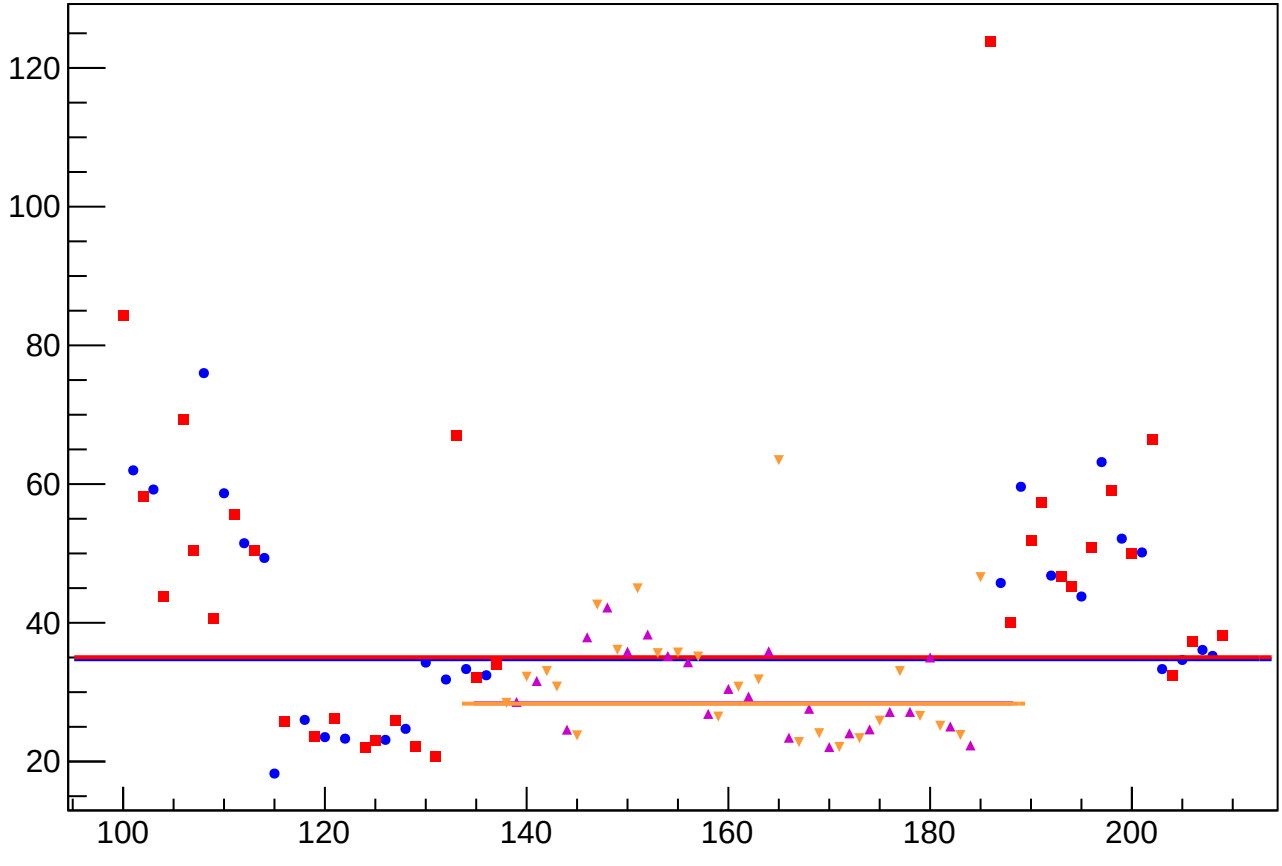
Right: 0.000+/-0.007 χ^2/NDF: 64.5/58

In: -0.003+/-0.006 χ^2/NDF:48.0/49

Out: -0.013+/-0.005 χ^2/NDF:76.4/56

All: -0.008+/-0.004 χ^2/NDF: 126.0/106

asym_sam_15_26_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 34.749+/-0.007 χ^2/NDF: 3032484.8/26

Left Out: 28.342+/-0.005 χ^2/NDF:1733585.3/24

Right Out: 35.035+/-0.007 χ^2/NDF: 3989844.9/31

Left In: 28.389+/-0.005 χ^2/NDF:1098852.1/22

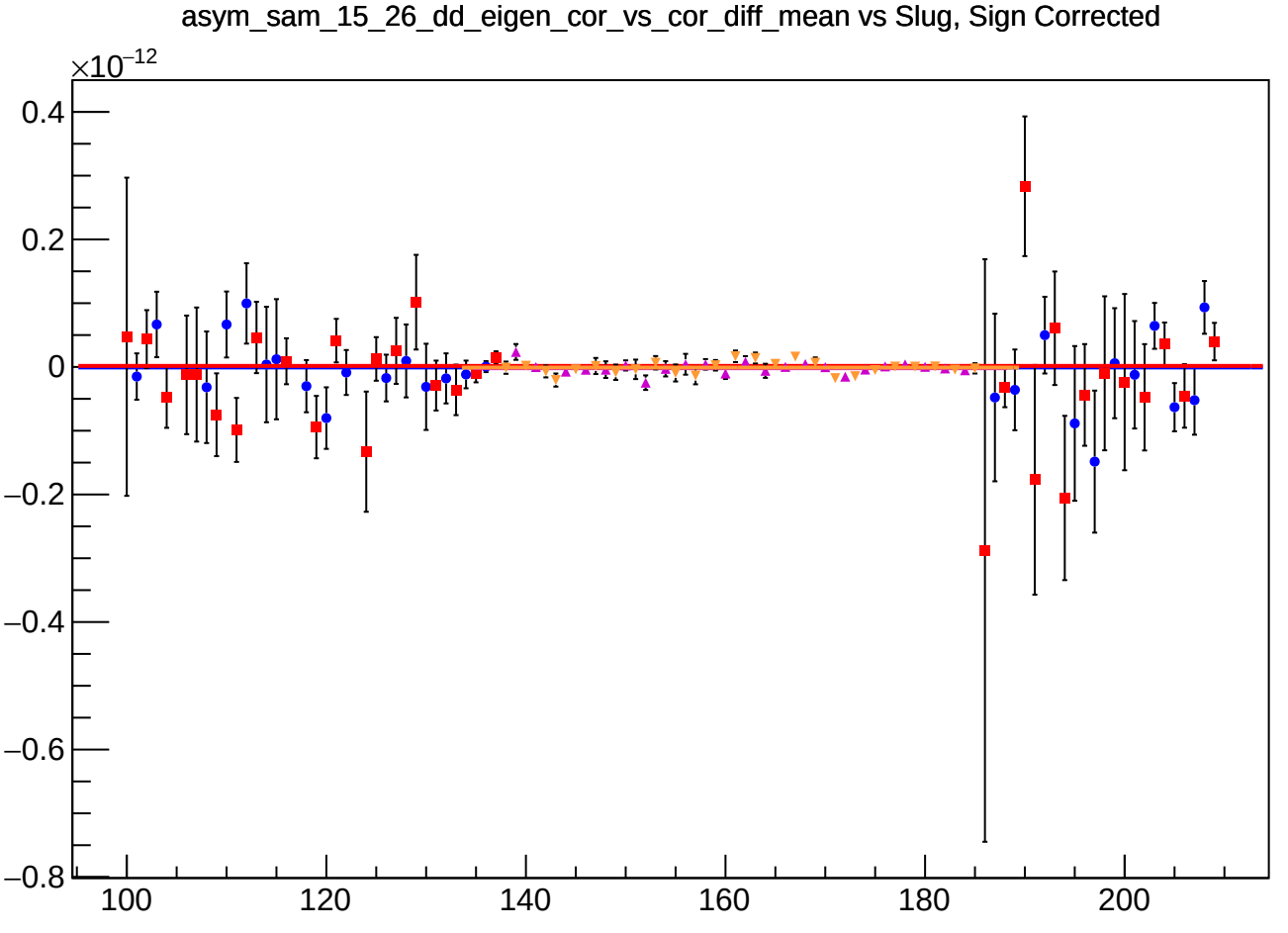
Left: 28.365+/-0.003 χ^2/NDF: 2832487.2/47

Right: 34.896+/-0.005 χ^2/NDF: 7023267.6/58

In: 30.581+/-0.004 χ^2/NDF:4723627.7/49

Out: 30.646+/-0.004 χ^2/NDF:6416622.0/56

All: 30.614+/-0.003 χ^2/NDF: 11140388.6/106



Right In: -0.000+/-0.000 χ^2/NDF: 26.0/26

Left Out: -0.000+/-0.000 χ^2/NDF:34.1/24

Right Out: 0.000+/-0.000 χ^2/NDF: 38.0/31

Left In: -0.000+/-0.000 χ^2/NDF:19.5/22

Left: -0.000+/-0.000 χ^2/NDF: 53.8/47

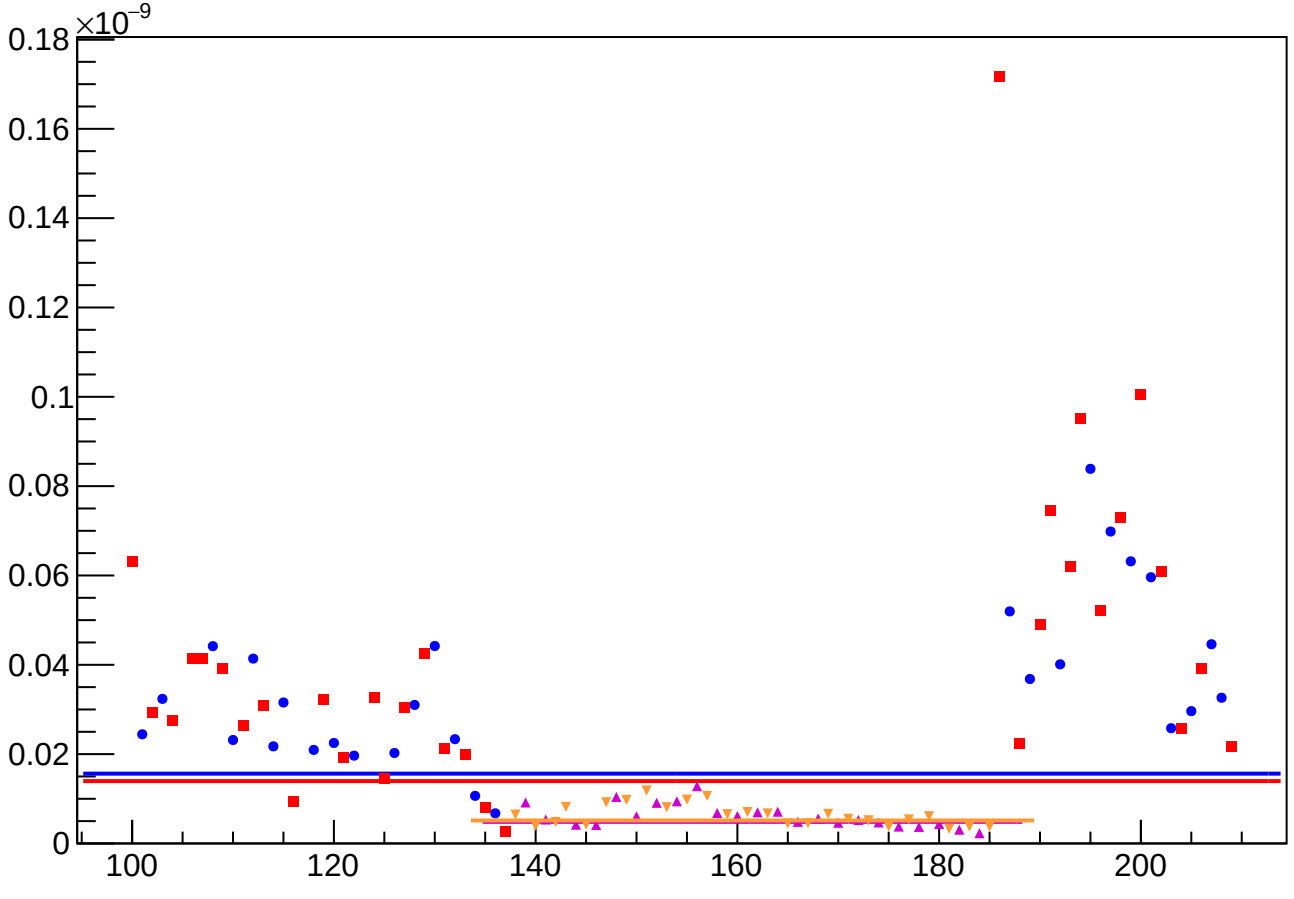
Right: 0.000+/-0.000 χ^2/NDF: 64.1/58

In: -0.000+/-0.000 χ^2/NDF:45.6/49

Out: -0.000+/-0.000 χ^2/NDF:72.3/56

All: -0.000+/-0.000 χ^2/NDF: 118.1/106

asym_sam_15_26_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 8249405.5/26

Left Out: 0.000+/-0.000 χ^2/NDF:3035355.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 10743529.0/31

Left In: 0.000+/-0.000 χ^2/NDF:3040812.9/22

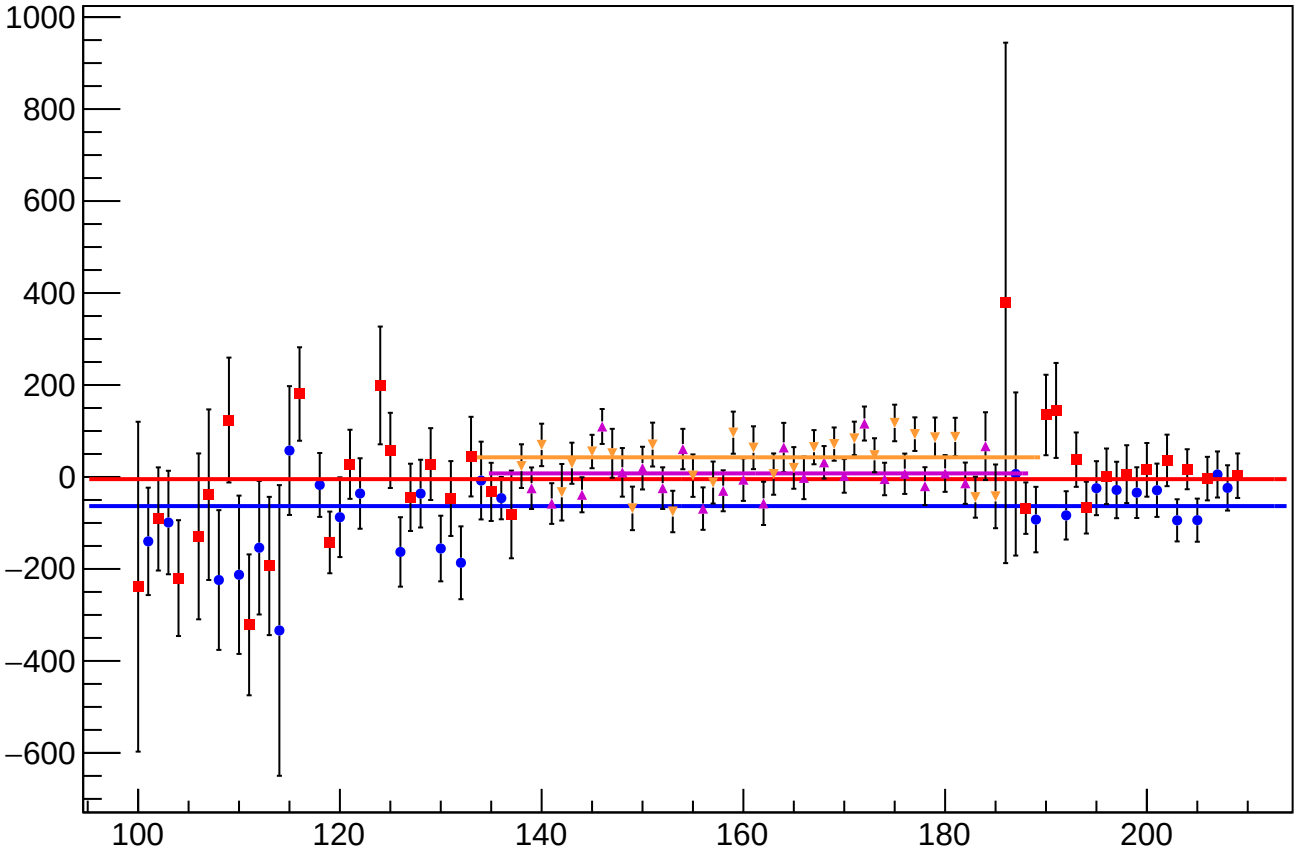
Left: 0.000+/-0.000 χ^2/NDF: 6121355.4/47

Right: 0.000+/-0.000 χ^2/NDF: 19064924.5/58

In: 0.000+/-0.000 χ^2/NDF:16809633.7/49

Out: 0.000+/-0.000 χ^2/NDF:17711179.7/56

All: 0.000+/-0.000 χ^2/NDF: 34552845.1/106



Right In: -63.317+/-13.254 χ^2/NDF: 16.7/26

Left Out: 42.765+/-8.698 χ^2/NDF:34.7/24

Right Out: -4.700+/-13.197 χ^2/NDF: 33.0/31

Left In: 7.783+/-8.974 χ^2/NDF:30.6/22

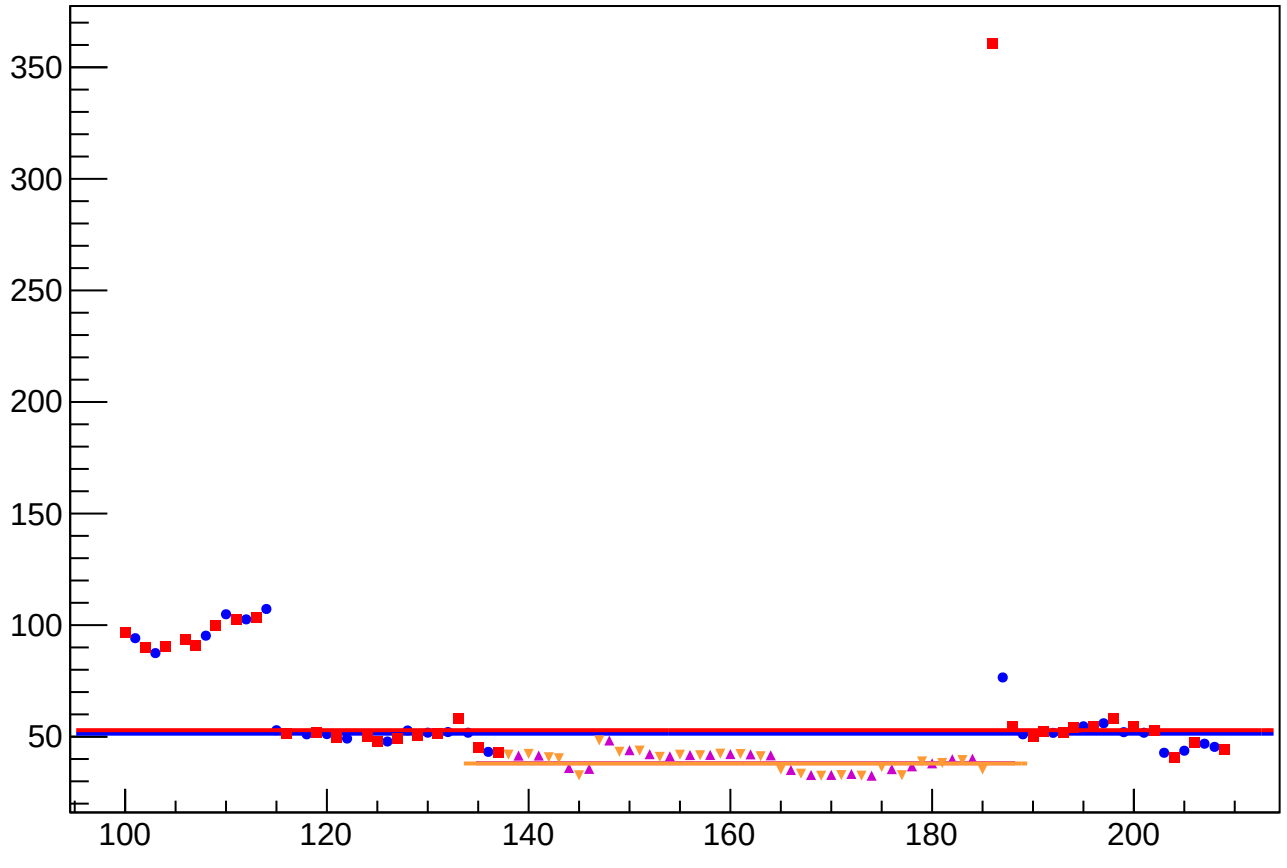
Left: 25.821+/-6.246 χ^2/NDF: 73.2/47

Right: -33.883+/-9.352 χ^2/NDF: 59.5/58

In: -14.567+/-7.431 χ^2/NDF:67.1/49

Out: 28.391+/-7.263 χ^2/NDF:76.7/56

All: 7.404+/-5.194 χ^2/NDF: 160.9/106



Right In: 51.354+/-0.009 χ^2/NDF: 1443586.4/26

Left Out: 37.990+/-0.006 χ^2/NDF:513605.5/24

Right Out: 52.920+/-0.009 χ^2/NDF: 2235660.1/31

Left In: 38.133+/-0.006 χ^2/NDF:428309.7/22

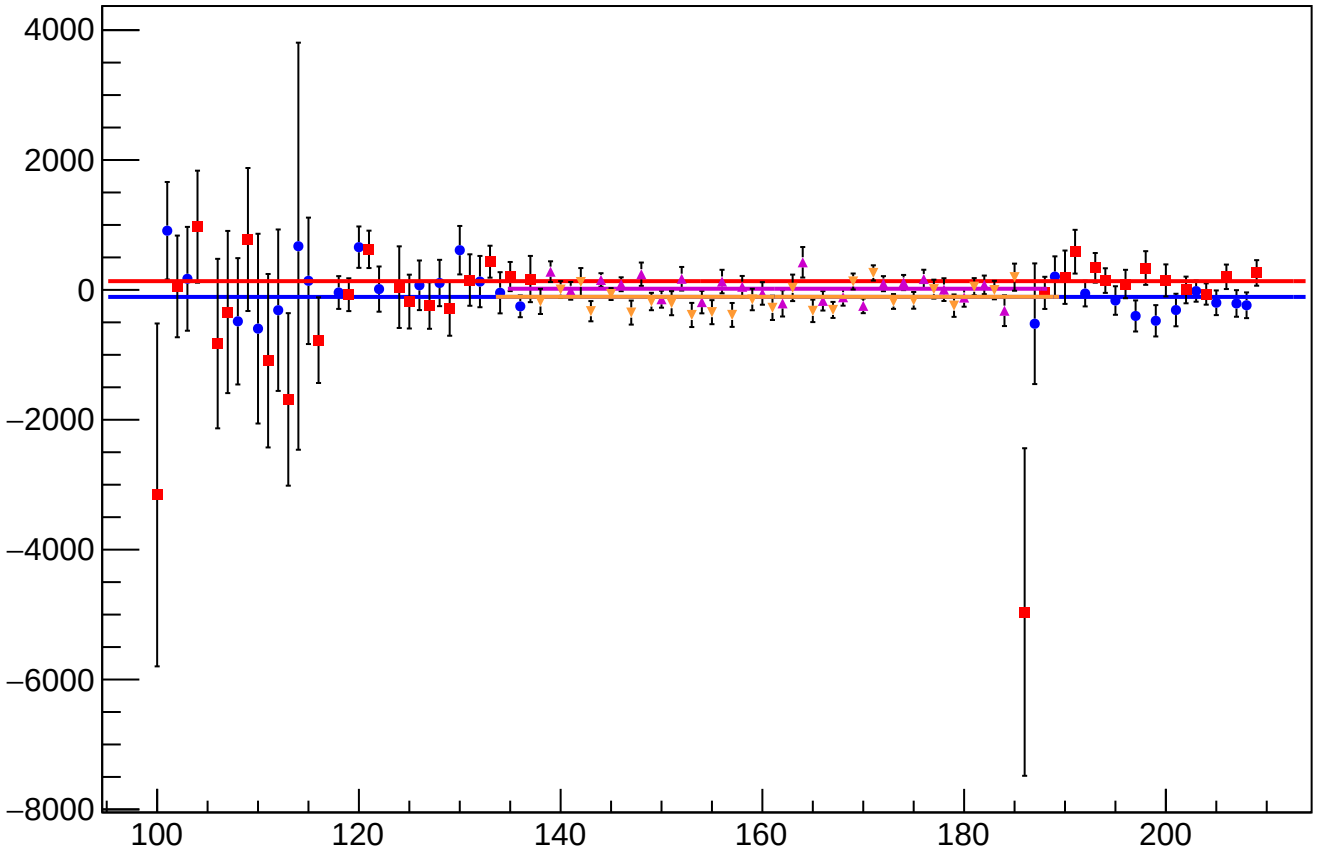
Left: 38.059+/-0.004 χ^2/NDF: 942176.9/47

Right: 52.140+/-0.007 χ^2/NDF: 3693265.5/58

In: 42.289+/-0.005 χ^2/NDF:3236354.6/49

Out: 42.511+/-0.005 χ^2/NDF:4533697.9/56

All: 42.402+/-0.004 χ^2/NDF: 7770968.7/106



Right In: -108.369+/-54.478 χ^2/NDF: 20.8/26

Left Out: -106.506+/-29.563 χ^2/NDF:37.6/24

Right Out: 134.491+/-53.134 χ^2/NDF: 26.4/31

Left In: 17.517+/-30.185 χ^2/NDF:28.2/22

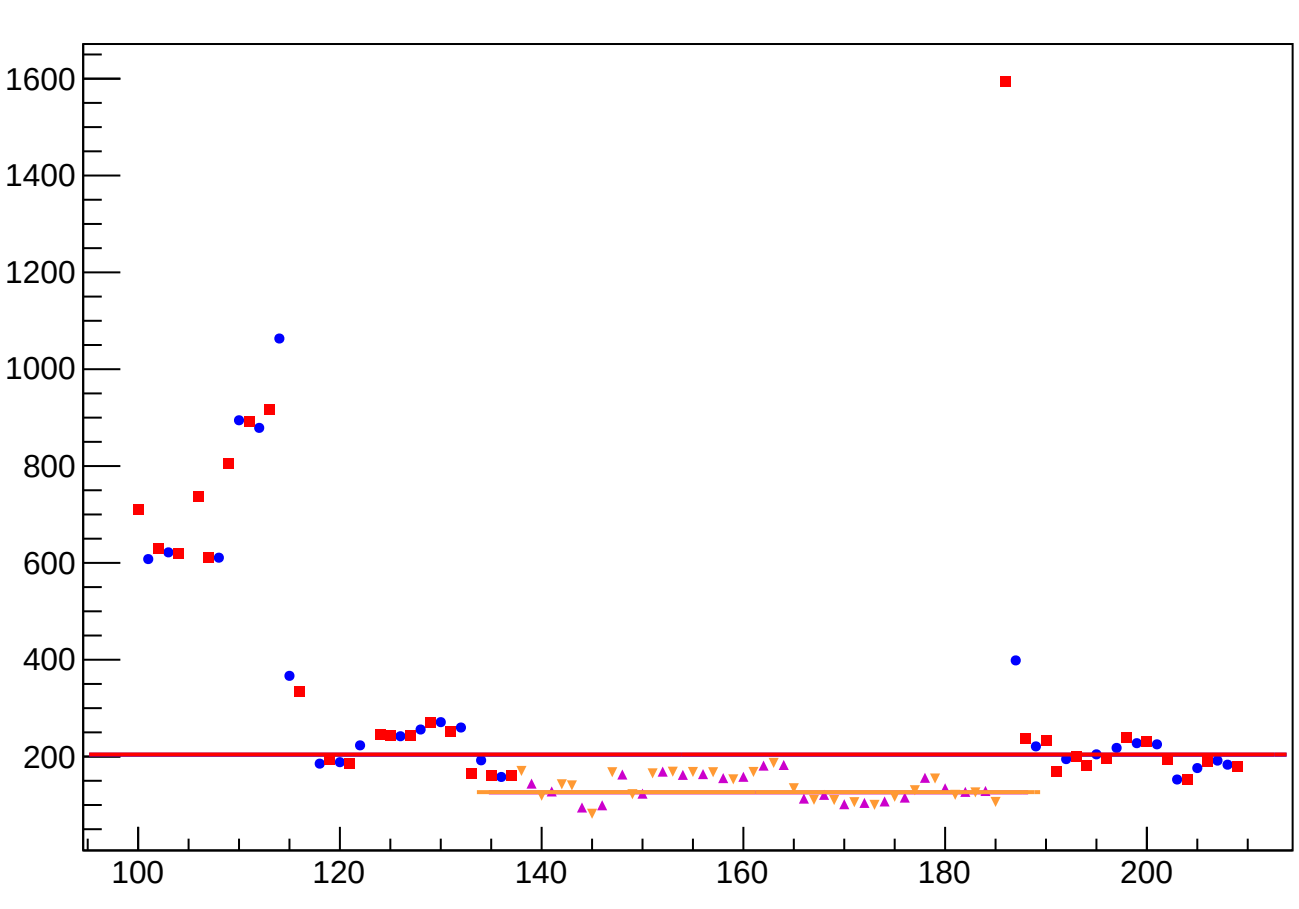
Left: -45.786+/-21.121 χ^2/NDF: 74.5/47

Right: 16.095+/-38.038 χ^2/NDF: 57.4/58

In: -12.053+/-26.403 χ^2/NDF:53.1/49

Out: -49.536+/-25.834 χ^2/NDF:79.7/56

All: -31.203+/-18.465 χ^2/NDF: 133.9/106



Right In: 203.827+/-0.039 χ^2/NDF: 3467645.1/26

Left Out: 126.561+/-0.021 χ^2/NDF:1758158.3/24

Right Out: 204.302+/-0.038 χ^2/NDF: 4768419.5/31

Left In: 126.013+/-0.021 χ^2/NDF:1410655.7/22

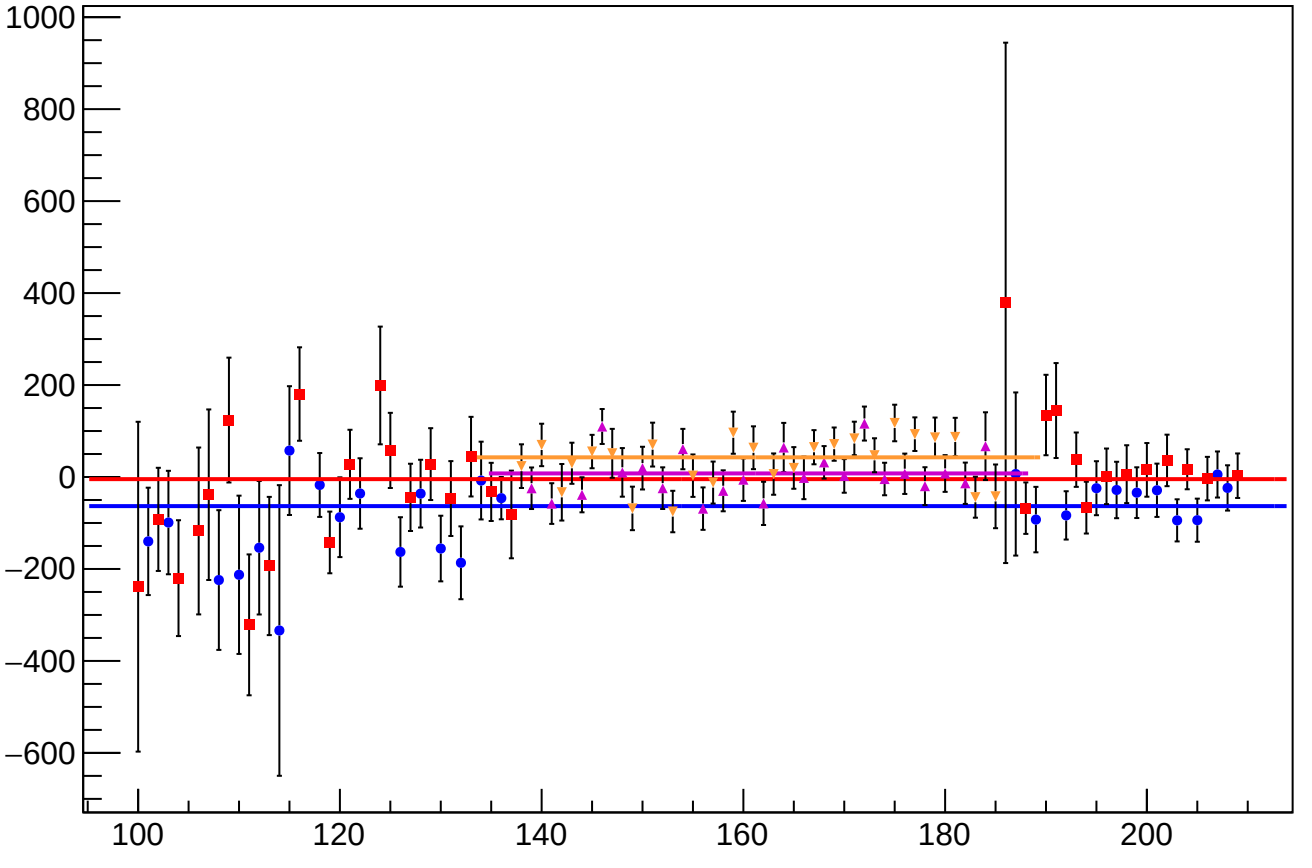
Left: 126.293+/-0.015 χ^2/NDF: 3169149.7/47

Right: 204.071+/-0.027 χ^2/NDF: 8236142.4/58

In: 144.291+/-0.019 χ^2/NDF:8000228.8/49

Out: 144.938+/-0.018 χ^2/NDF:9795924.9/56

All: 144.622+/-0.013 χ^2/NDF: 17796767.3/10



Right In: -63.315+/-13.254 χ^2/NDF: 16.7/26

Left Out: 42.767+/-8.698 χ^2/NDF:34.7/24

Right Out: -4.641+/-13.198 χ^2/NDF: 32.9/31

Left In: 7.785+/-8.974 χ^2/NDF:30.6/22

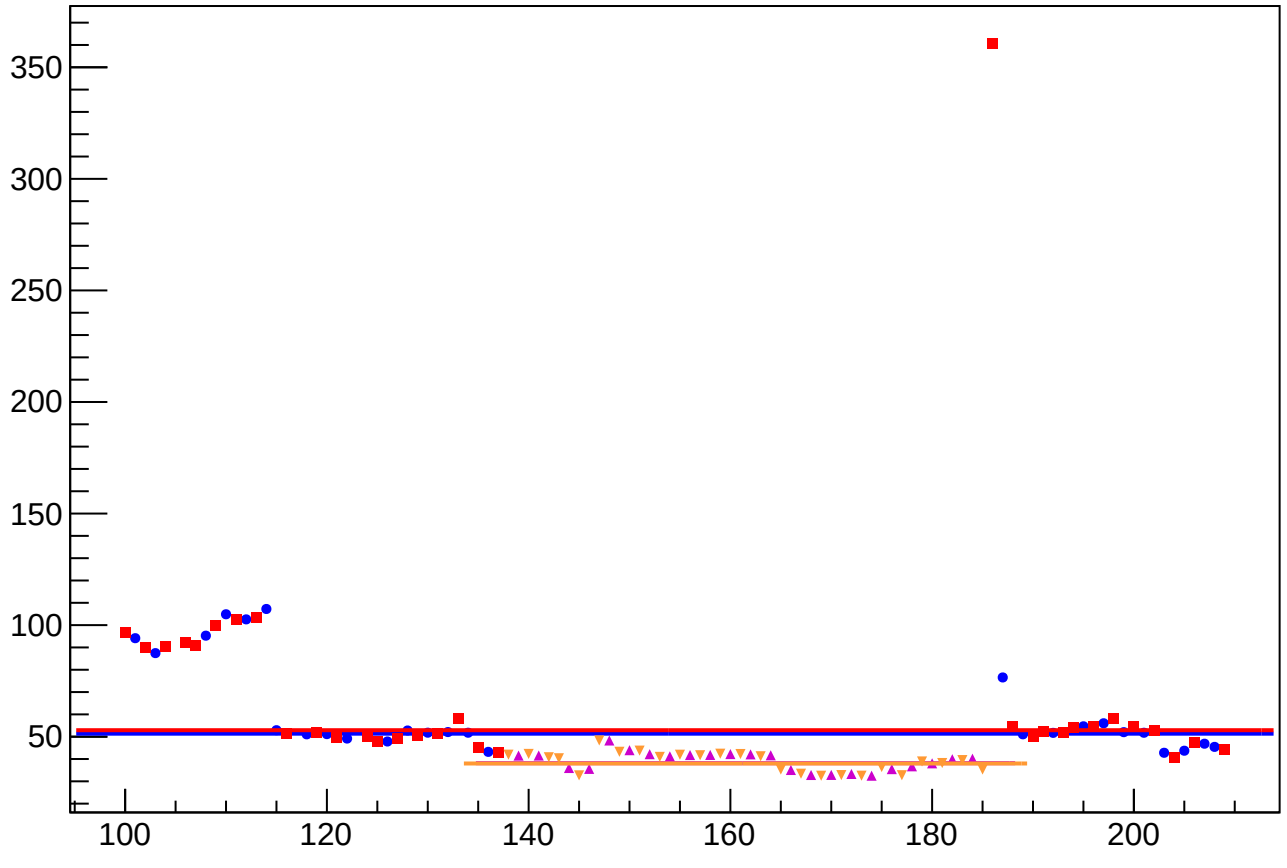
Left: 25.822+/-6.246 χ^2/NDF: 73.2/47

Right: -33.854+/-9.352 χ^2/NDF: 59.5/58

In: -14.566+/-7.431 χ^2/NDF:67.1/49

Out: 28.410+/-7.263 χ^2/NDF:76.6/56

All: 7.415+/-5.194 χ^2/NDF: 160.8/106



Right In: 51.354+/-0.009 χ^2/NDF: 1443586.7/26

Left Out: 37.990+/-0.006 χ^2/NDF:513605.5/24

Right Out: 52.909+/-0.009 χ^2/NDF: 2227149.4/31

Left In: 38.133+/-0.006 χ^2/NDF:428309.7/22

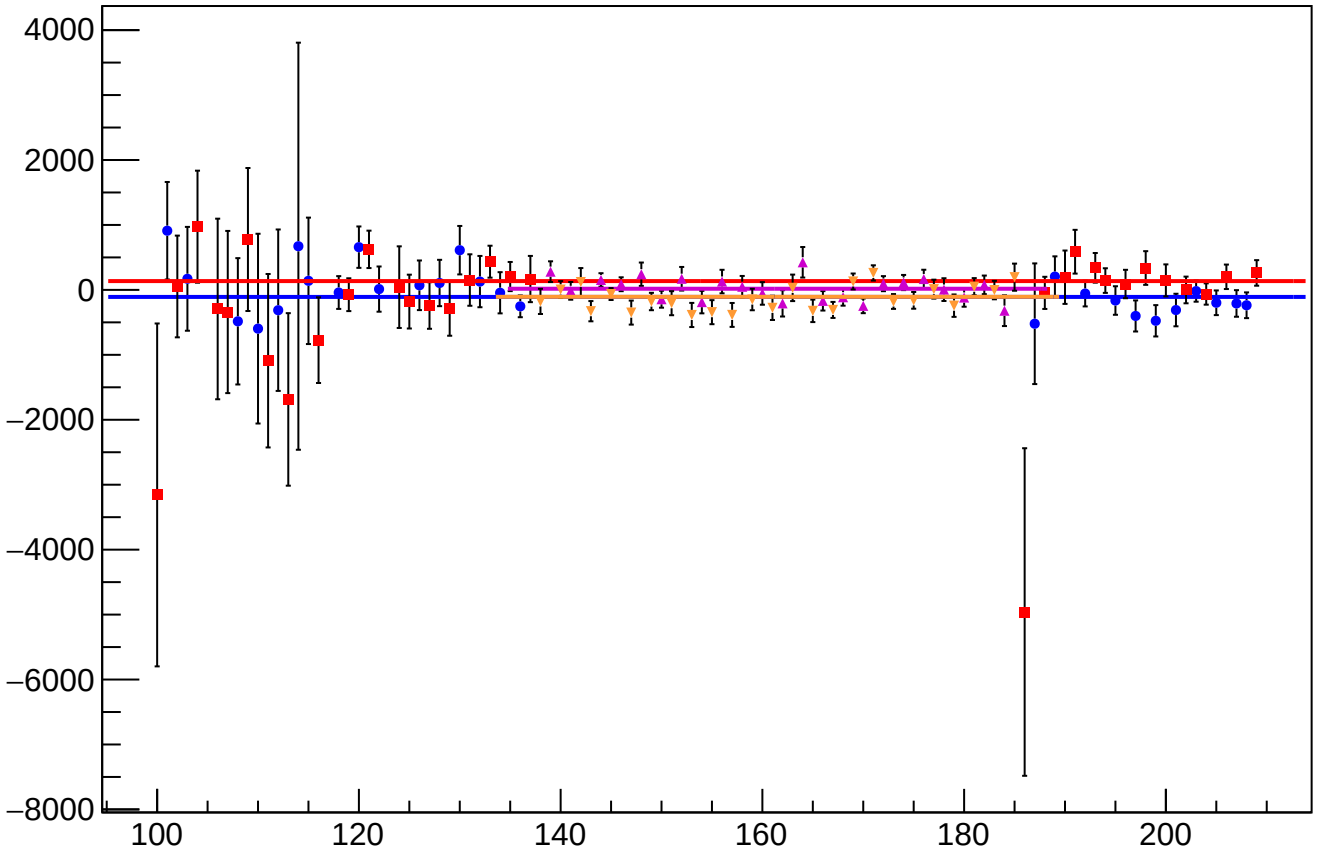
Left: 38.059+/-0.004 χ^2/NDF: 942176.9/47

Right: 52.135+/-0.007 χ^2/NDF: 3684564.7/58

In: 42.289+/-0.005 χ^2/NDF:3236354.8/49

Out: 42.508+/-0.005 χ^2/NDF:4522558.5/56

All: 42.401+/-0.004 χ^2/NDF: 7759801.3/106



Right In: -108.367+/-54.478 χ^2/NDF: 20.8/26

Left Out: -106.505+/-29.563 χ^2/NDF:37.6/24

Right Out: 135.448+/-53.139 χ^2/NDF: 25.9/31

Left In: 17.517+/-30.185 χ^2/NDF:28.2/22

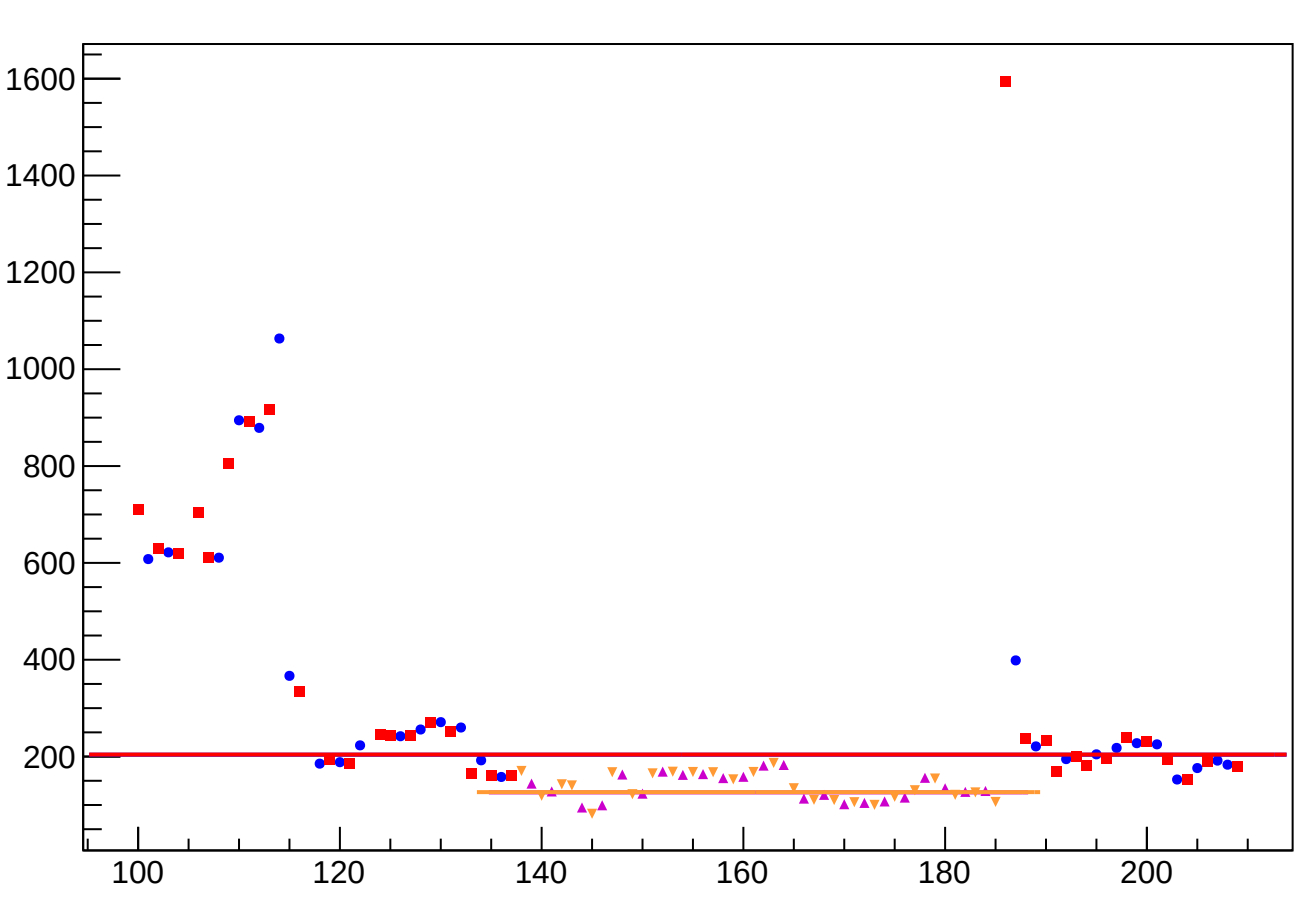
Left: -45.785+/-21.121 χ^2/NDF: 74.5/47

Right: 16.574+/-38.040 χ^2/NDF: 57.0/58

In: -12.052+/-26.403 χ^2/NDF:53.1/49

Out: -49.318+/-25.834 χ^2/NDF:79.4/56

All: -31.091+/-18.465 χ^2/NDF: 133.6/106



Right In: 203.827+/-0.039 χ^2/NDF: 3467654.0/26

Left Out: 126.561+/-0.021 χ^2/NDF:1758151.9/24

Right Out: 204.150+/-0.038 χ^2/NDF: 4694858.5/31

Left In: 126.013+/-0.021 χ^2/NDF:1410664.0/22

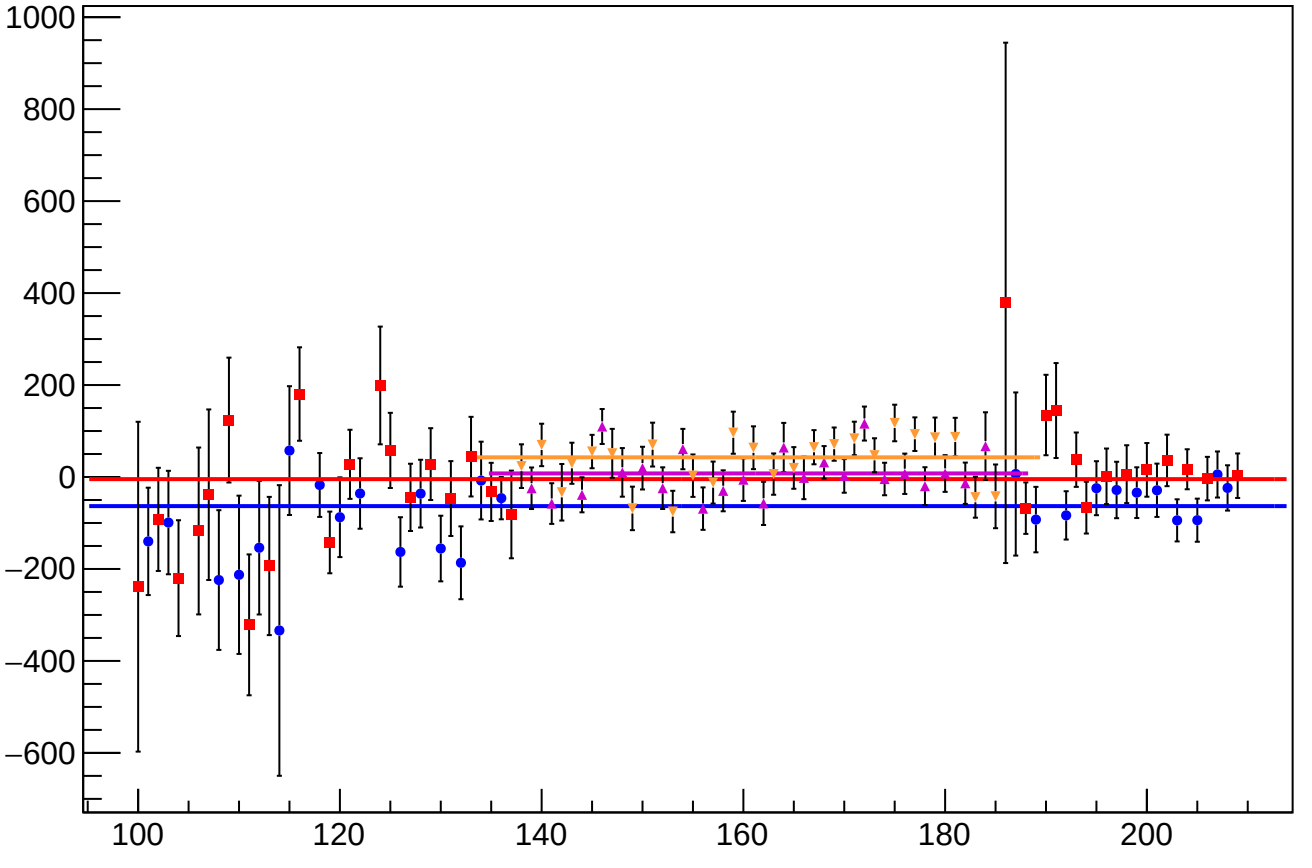
Left: 126.293+/-0.015 χ^2/NDF: 3169151.8/47

Right: 203.993+/-0.027 χ^2/NDF: 8162548.4/58

In: 144.291+/-0.019 χ^2/NDF:8000250.0/49

Out: 144.900+/-0.018 χ^2/NDF:9709068.5/56

All: 144.602+/-0.013 χ^2/NDF: 17709860.9/10



Right In: -63.315+/-13.254 χ^2/NDF: 16.7/26

Left Out: 42.767+/-8.698 χ^2/NDF:34.7/24

Right Out: -4.641+/-13.198 χ^2/NDF: 32.9/31

Left In: 7.785+/-8.974 χ^2/NDF:30.6/22

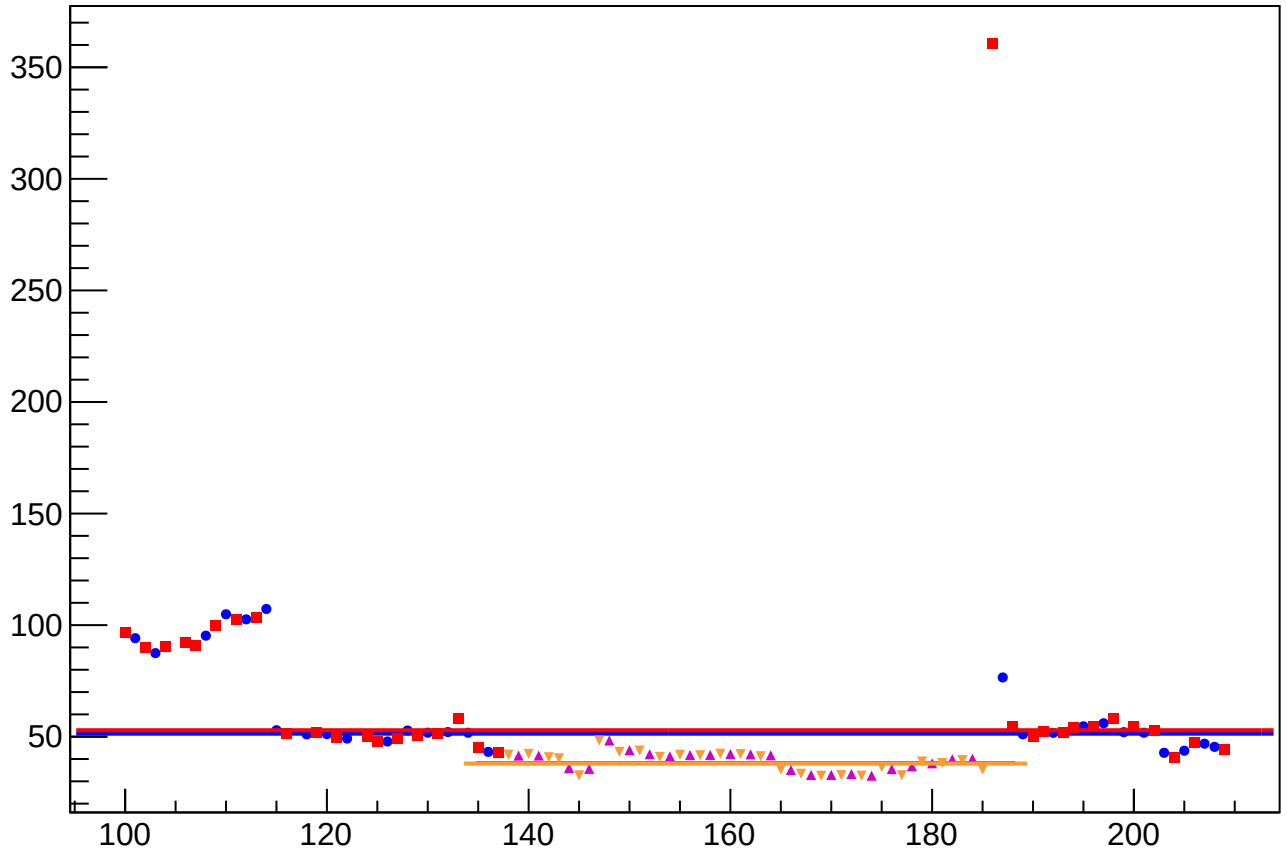
Left: 25.822+/-6.246 χ^2/NDF: 73.2/47

Right: -33.854+/-9.352 χ^2/NDF: 59.5/58

In: -14.566+/-7.431 χ^2/NDF:67.1/49

Out: 28.410+/-7.263 χ^2/NDF:76.6/56

All: 7.415+/-5.194 χ^2/NDF: 160.8/106



Right In: 51.354+/-0.009 χ^2/NDF: 1443586.7/26

Left Out: 37.990+/-0.006 χ^2/NDF:513605.5/24

Right Out: 52.909+/-0.009 χ^2/NDF: 2227149.4/31

Left In: 38.133+/-0.006 χ^2/NDF:428309.7/22

Left: 38.059+/-0.004 χ^2/NDF: 942176.9/47

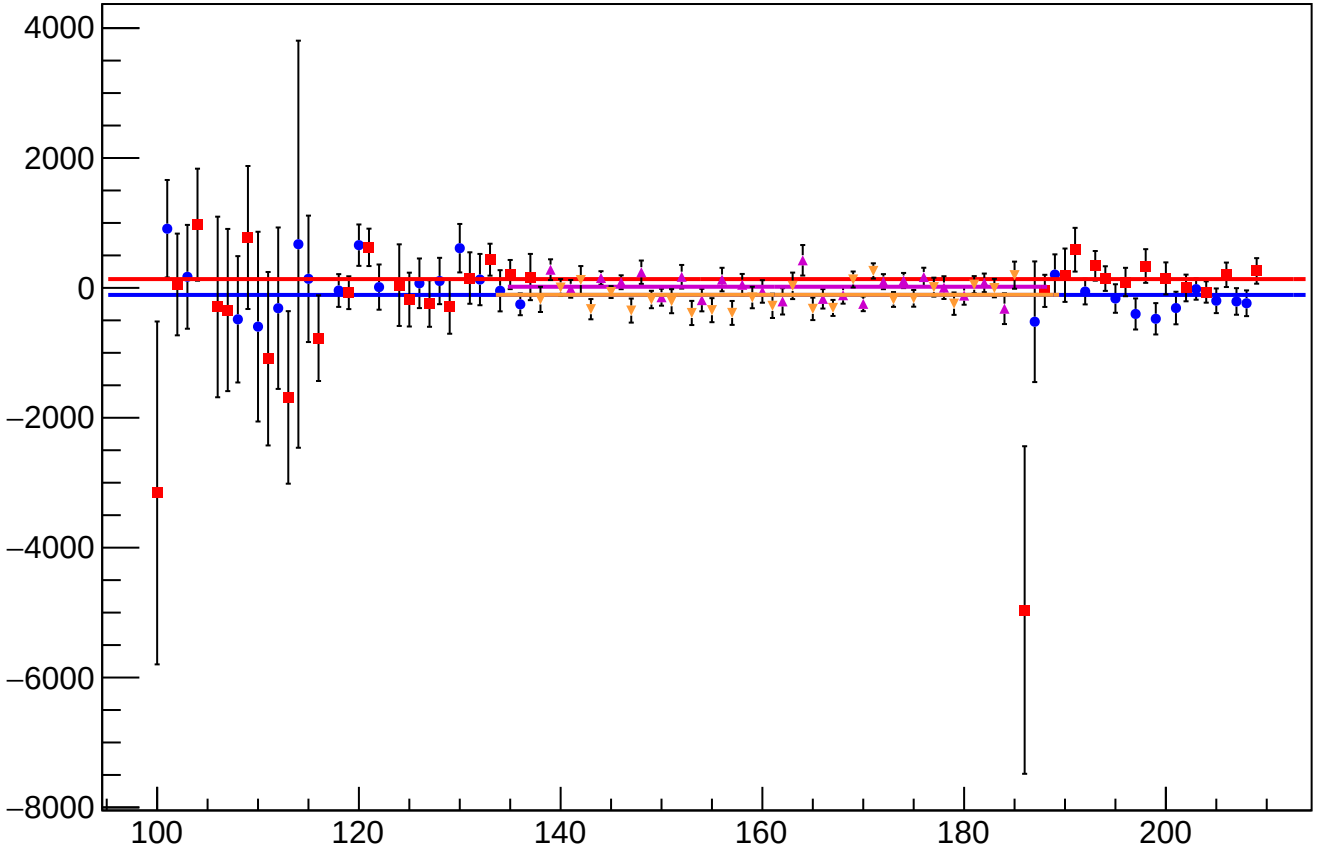
Right: 52.135+/-0.007 χ^2/NDF: 3684564.7/58

In: 42.289+/-0.005 χ^2/NDF:3236354.8/49

Out: 42.508+/-0.005 χ^2/NDF:4522558.5/56

All: 42.401+/-0.004 χ^2/NDF: 7759801.3/106

asym_sam_37_26_dd_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -108.367+/-54.478 χ^2/NDF: 20.8/26

Left Out: -106.505+/-29.563 χ^2/NDF:37.6/24

Right Out: 135.448+/-53.139 χ^2/NDF: 25.9/31

Left In: 17.517+/-30.185 χ^2/NDF:28.2/22

Left: -45.785+/-21.121 χ^2/NDF: 74.5/47

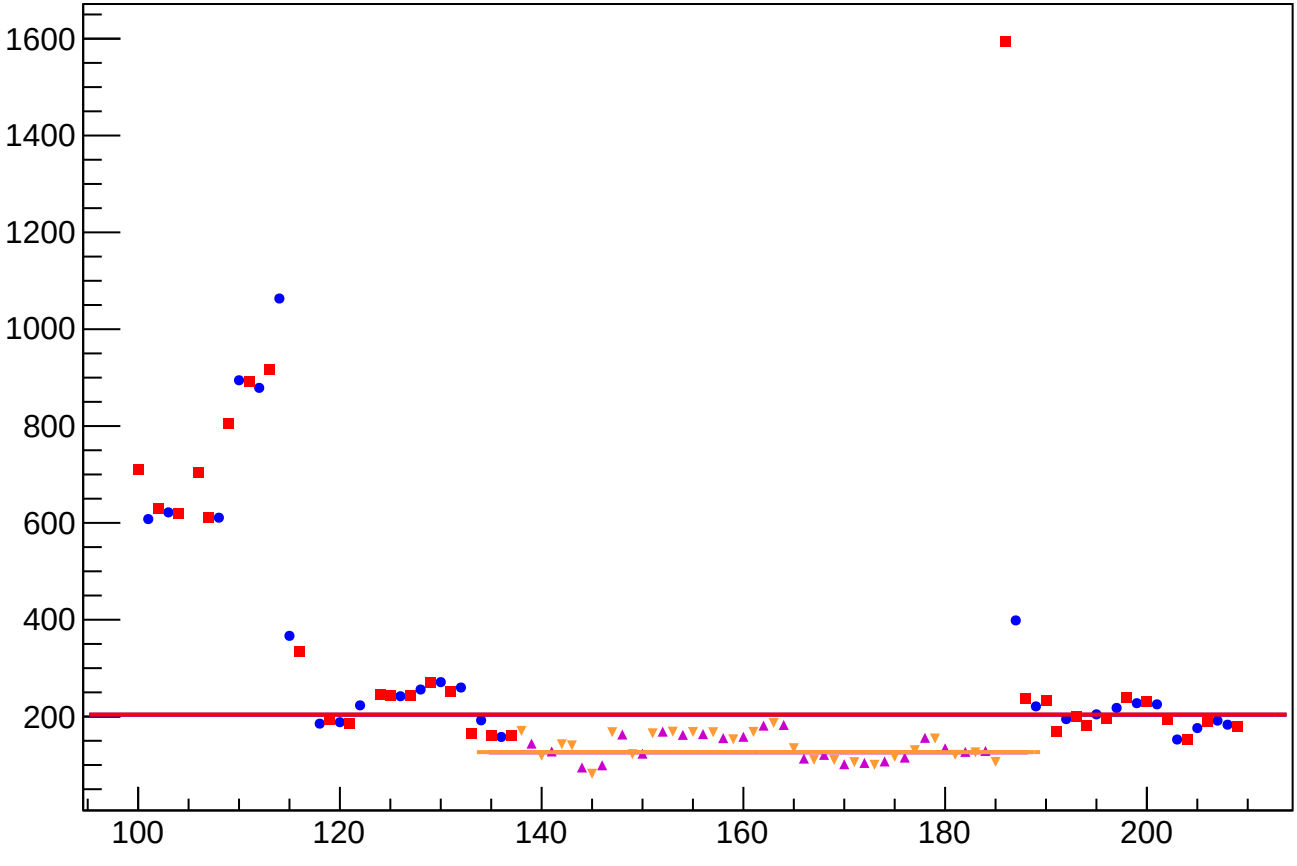
Right: 16.574+/-38.040 χ^2/NDF: 57.0/58

In: -12.052+/-26.403 χ^2/NDF:53.1/49

Out: -49.318+/-25.834 χ^2/NDF:79.4/56

All: -31.091+/-18.465 χ^2/NDF: 133.6/106

asym_sam_37_26_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 203.827+/-0.039 χ^2/NDF: 3467654.0/26

Left Out: 126.561+/-0.021 χ^2/NDF:1758151.9/24

Right Out: 204.150+/-0.038 χ^2/NDF: 4694858.5/31

Left In: 126.013+/-0.021 χ^2/NDF:1410664.0/22

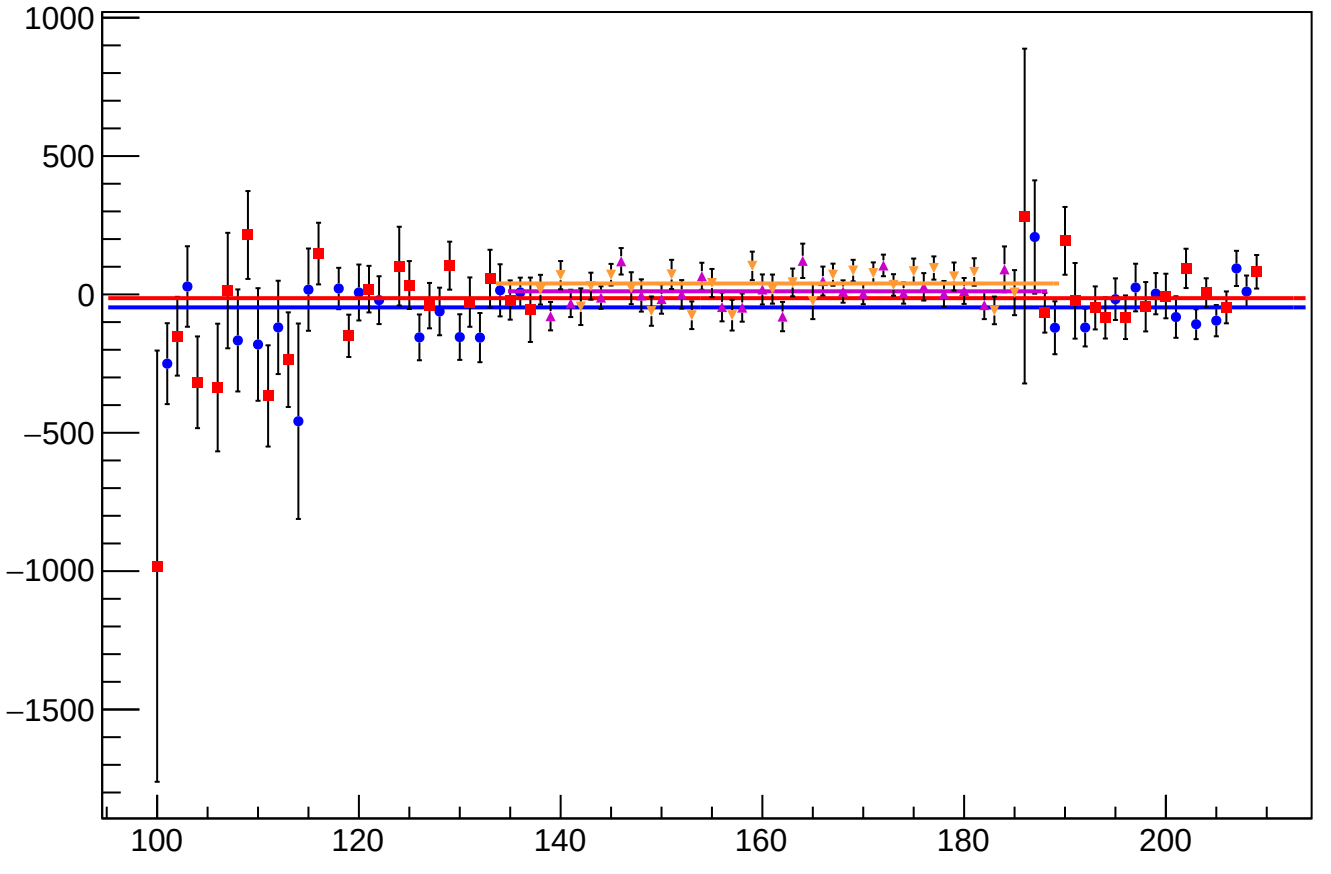
Left: 126.293+/-0.015 χ^2/NDF: 3169151.8/47

Right: 203.993+/-0.027 χ^2/NDF: 8162548.4/58

In: 144.291+/-0.019 χ^2/NDF:8000250.0/49

Out: 144.900+/-0.018 χ^2/NDF:9709068.5/56

All: 144.602+/-0.013 χ^2/NDF: 17709860.9/10



Right In: -46.844+/-16.044 χ^2/NDF: 25.1/26

Left Out: 39.563+/-9.745 χ^2/NDF:29.6/24

Right Out: -13.546+/-16.178 χ^2/NDF: 35.1/31

Left In: 11.306+/-10.077 χ^2/NDF:27.9/22

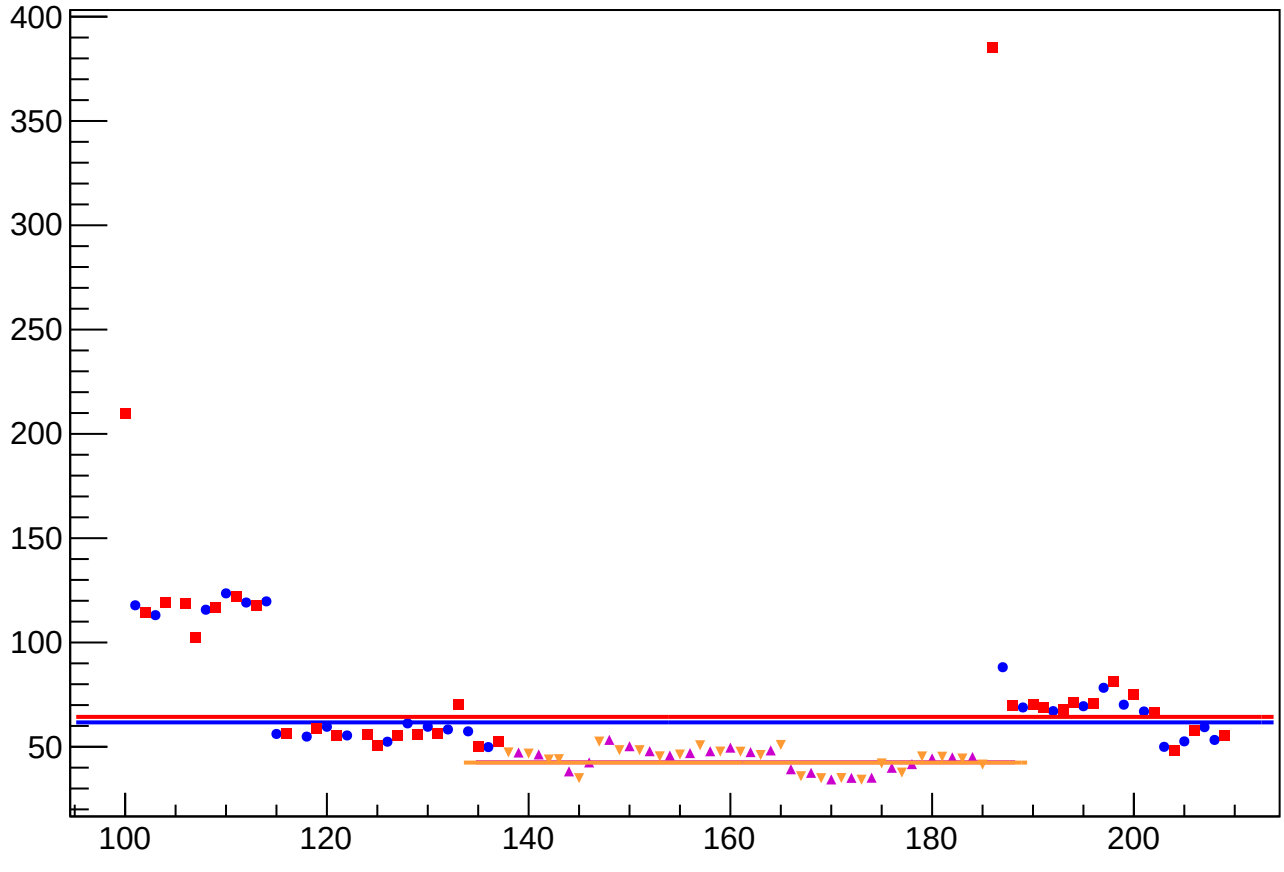
Left: 25.908+/-7.005 χ^2/NDF: 61.6/47

Right: -30.334+/-11.392 χ^2/NDF: 62.3/58

In: -5.145+/-8.533 χ^2/NDF:62.4/49

Out: 25.423+/-8.348 χ^2/NDF:72.7/56

All: 10.475+/-5.967 χ^2/NDF: 141.6/106



Right In: 61.699+/-0.011 χ^2/NDF: 1729101.8/26

Left Out: 42.426+/-0.007 χ^2/NDF:698766.0/24

Right Out: 64.337+/-0.011 χ^2/NDF: 2574054.1/31

Left In: 42.579+/-0.007 χ^2/NDF:589897.0/22

Left: 42.500+/-0.005 χ^2/NDF: 1288900.7/47

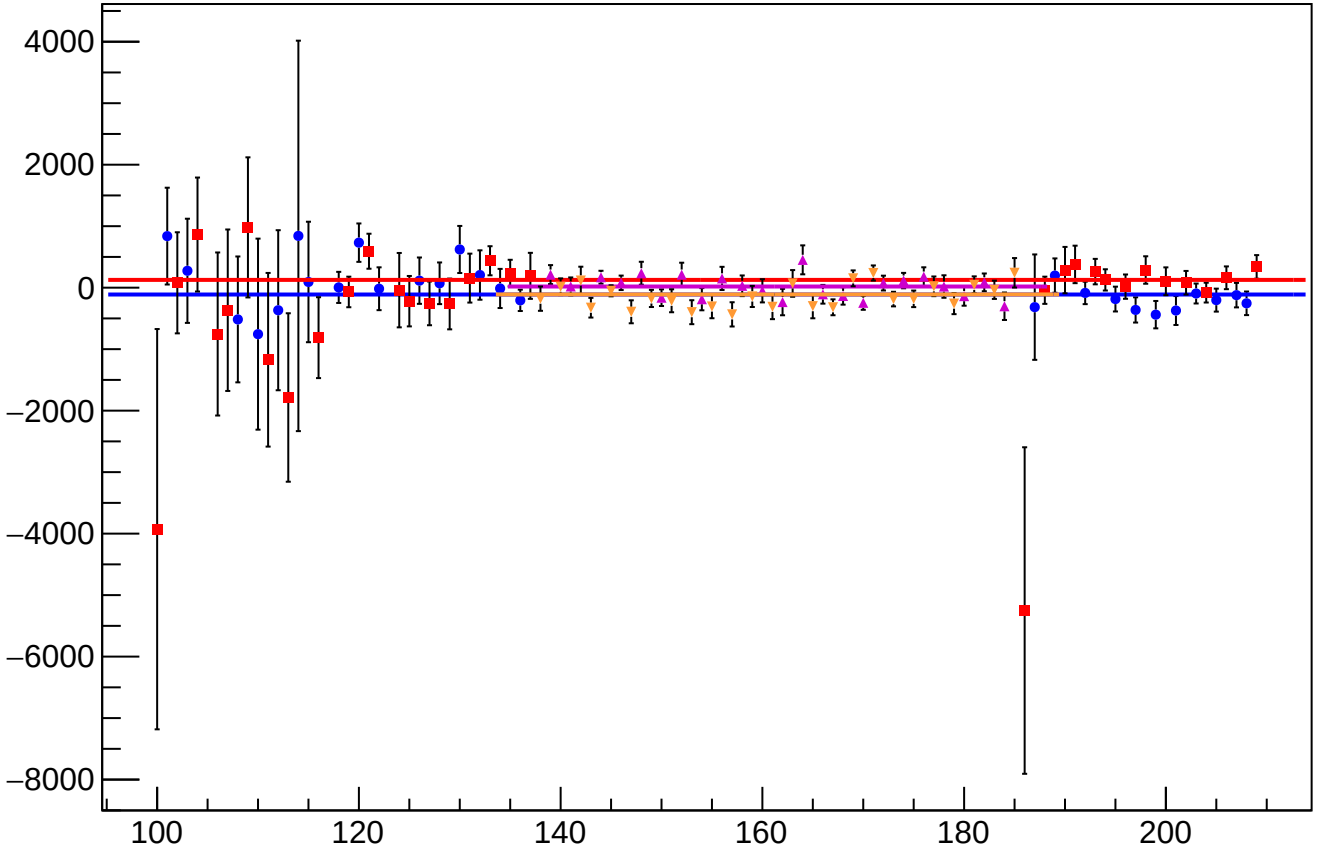
Right: 63.007+/-0.008 χ^2/NDF: 4329959.2/58

In: 47.988+/-0.006 χ^2/NDF:4355949.7/49

Out: 48.260+/-0.006 χ^2/NDF:5964519.3/56

All: 48.127+/-0.004 χ^2/NDF: 10321503.7/106

asym_sam_37_26_dd_dit_correction_mean vs Slug, Sign Corrected



Right In: -111.245+/-52.566 χ^2/NDF: 22.2/26

Left Out: -109.869+/-30.759 χ^2/NDF:36.3/24

Right Out: 126.468+/-50.373 χ^2/NDF: 26.1/31

Left In: 18.838+/-31.477 χ^2/NDF:27.2/22

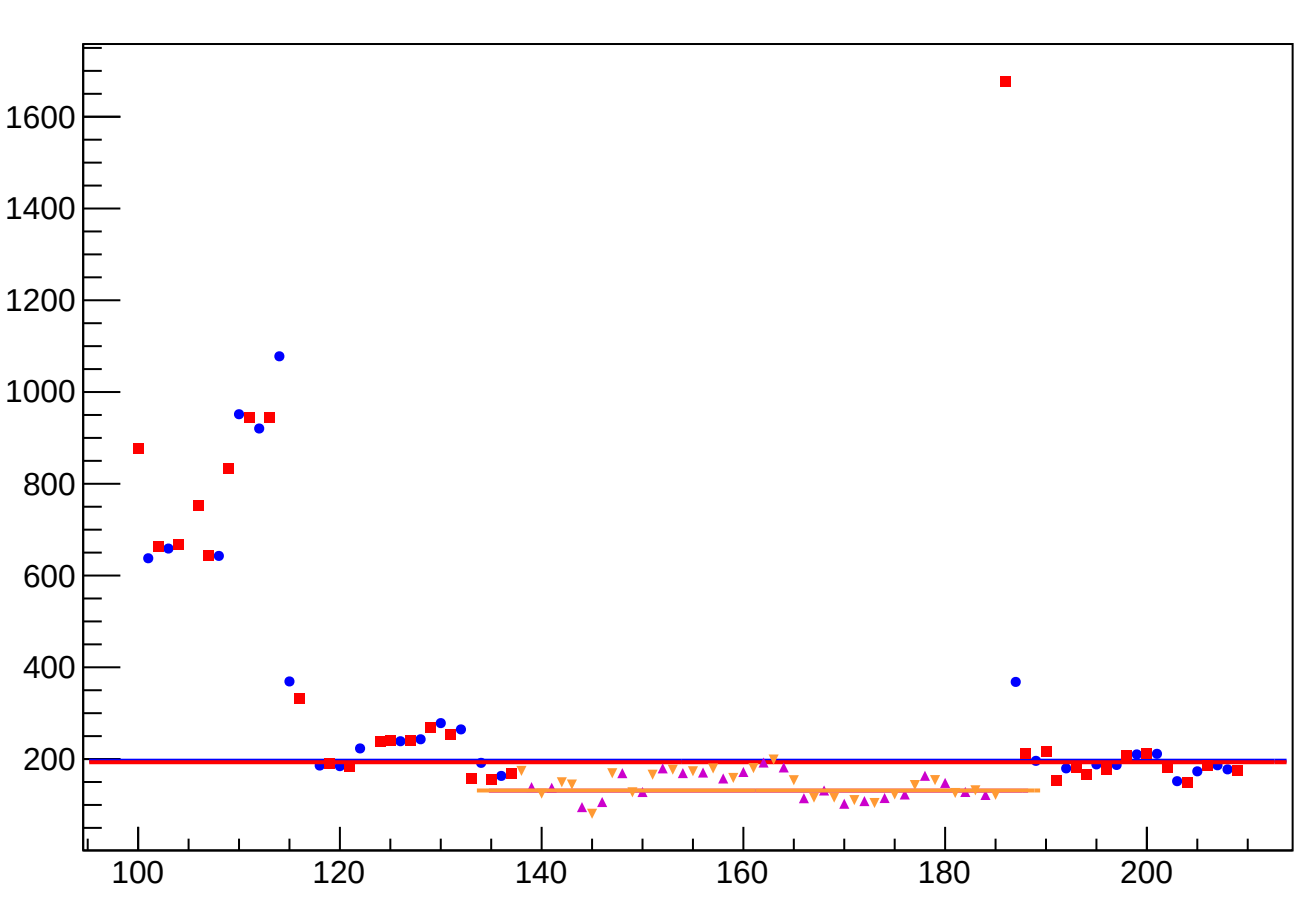
Left: -47.000+/-21.999 χ^2/NDF: 72.0/47

Right: 12.673+/-36.370 χ^2/NDF: 58.9/58

In: -15.494+/-27.005 χ^2/NDF:53.9/49

Out: -45.683+/-26.252 χ^2/NDF:78.4/56

All: -31.016+/-18.824 χ^2/NDF: 132.9/106



Right In: 196.423+/-0.037 χ^2/NDF: 3543712.0/26

Left Out: 131.515+/-0.022 χ^2/NDF:1902958.8/24

Right Out: 193.101+/-0.036 χ^2/NDF: 4984922.6/31

Left In: 131.074+/-0.022 χ^2/NDF:1467806.6/22

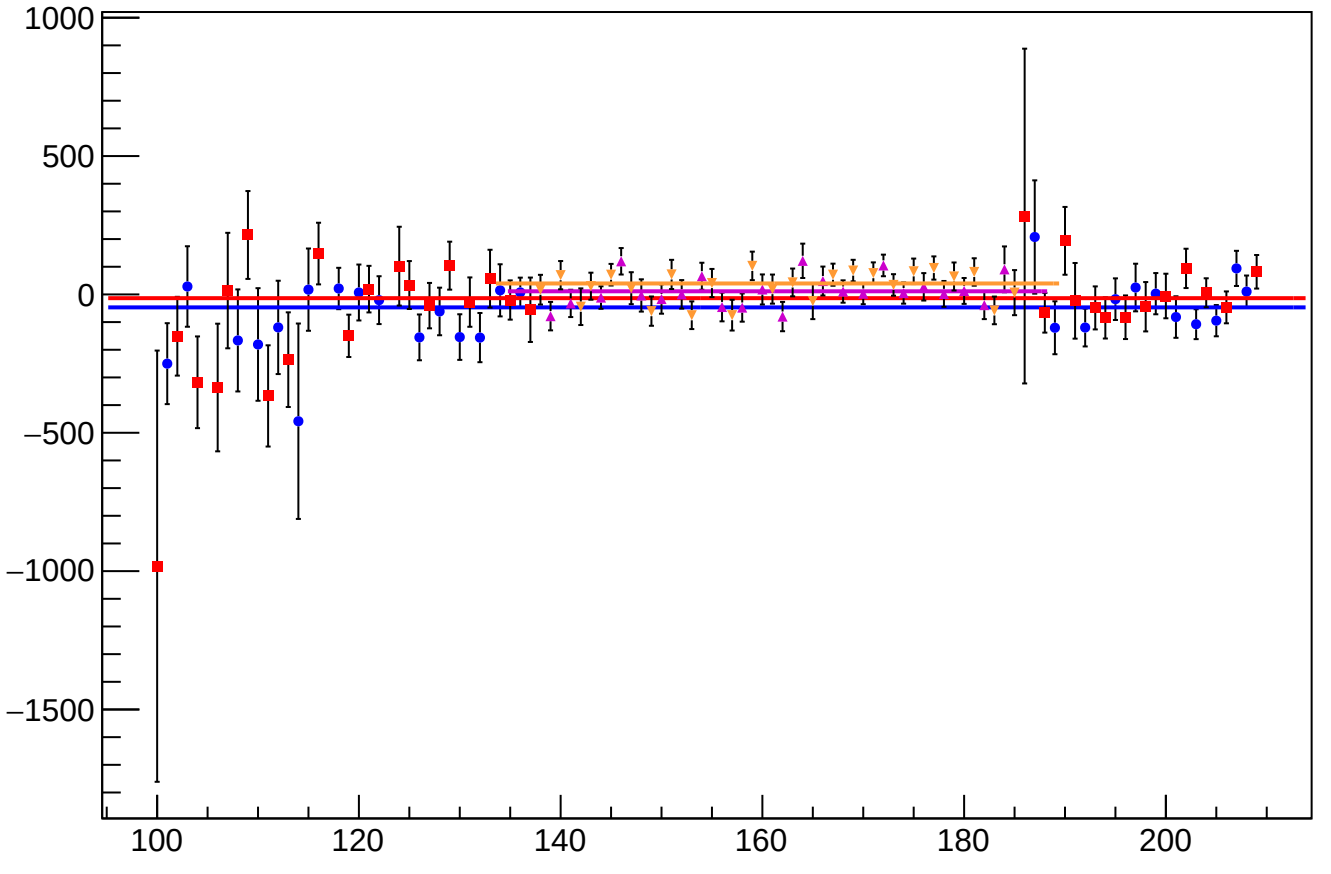
Left: 131.300+/-0.016 χ^2/NDF: 3370966.4/47

Right: 194.691+/-0.026 χ^2/NDF: 8532799.6/58

In: 148.321+/-0.019 χ^2/NDF:7286721.9/49

Out: 148.241+/-0.019 χ^2/NDF:9065418.7/56

All: 148.280+/-0.013 χ^2/NDF: 16352149.7/10



Right In: -46.844+/-16.044 χ^2/NDF: 25.1/26

Left Out: 39.564+/-9.745 χ^2/NDF:29.6/24

Right Out: -13.547+/-16.178 χ^2/NDF: 35.1/31

Left In: 11.306+/-10.077 χ^2/NDF:27.9/22

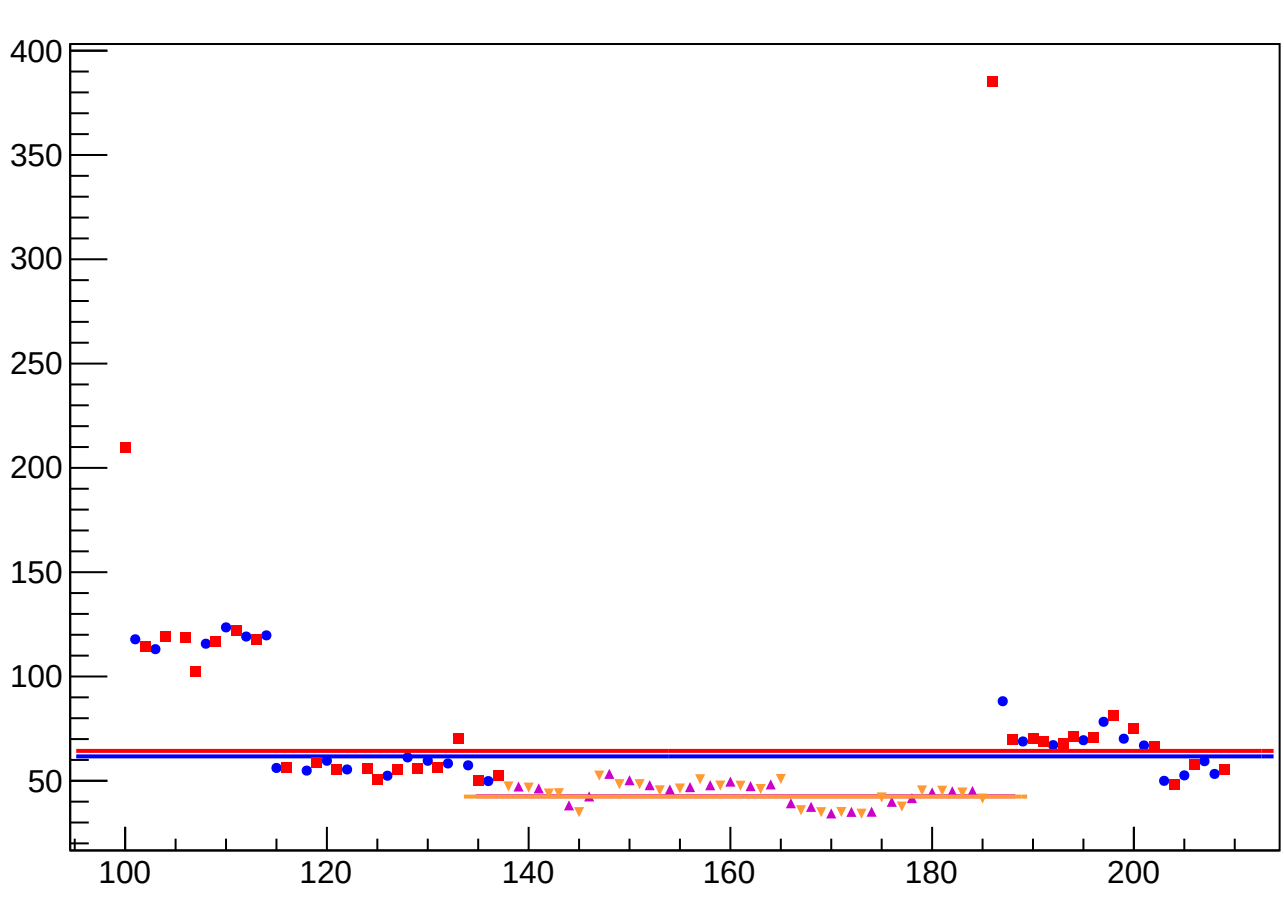
Left: 25.908+/-7.005 χ^2/NDF: 61.6/47

Right: -30.335+/-11.392 χ^2/NDF: 62.3/58

In: -5.145+/-8.533 χ^2/NDF:62.4/49

Out: 25.424+/-8.348 χ^2/NDF:72.7/56

All: 10.476+/-5.967 χ^2/NDF: 141.6/106



Right In: 61.699+/-0.011 χ^2/NDF: 1729085.2/26

Left Out: 42.426+/-0.007 χ^2/NDF:698784.4/24

Right Out: 64.337+/-0.011 χ^2/NDF: 2574029.5/31

Left In: 42.579+/-0.007 χ^2/NDF:589901.9/22

Left: 42.500+/-0.005 χ^2/NDF: 1288924.2/47

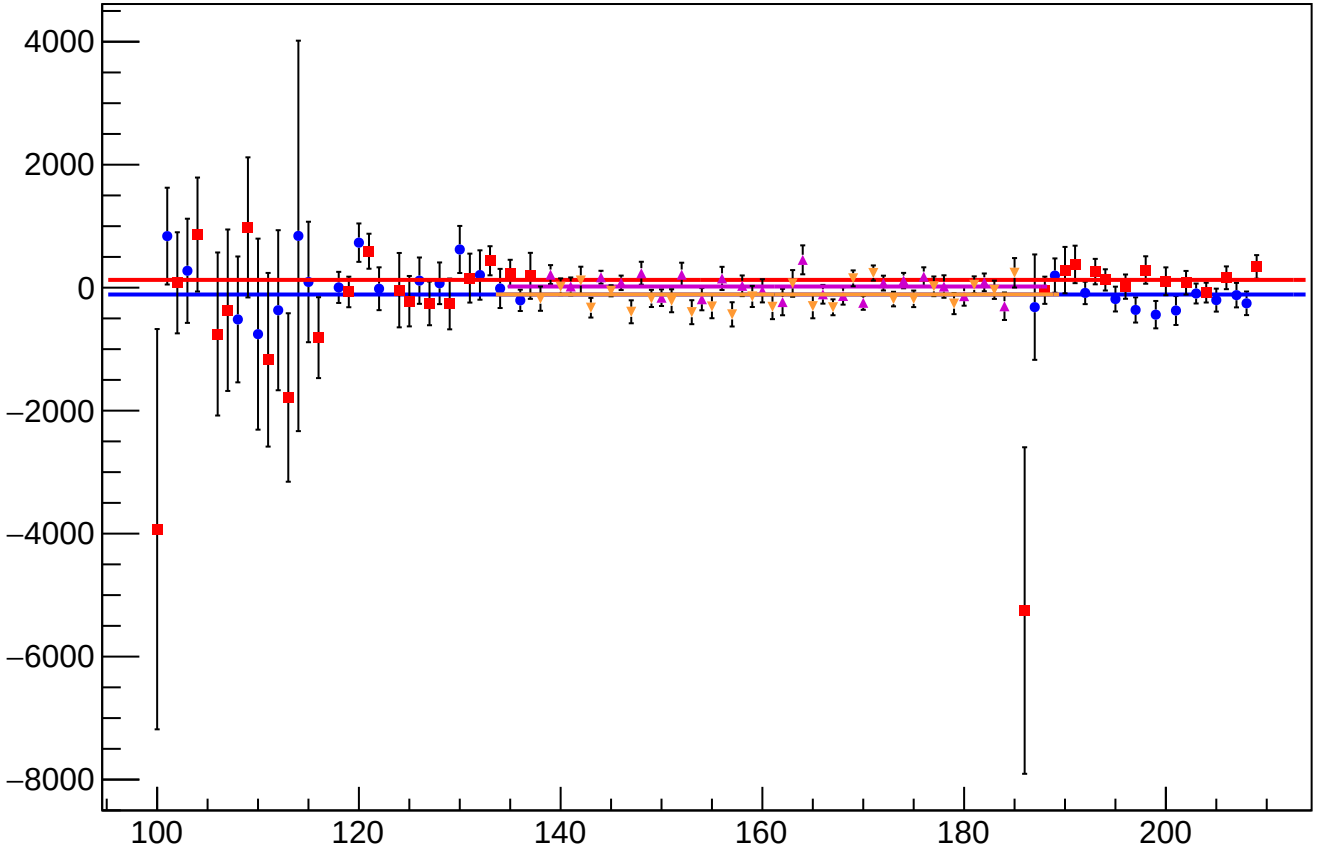
Right: 63.007+/-0.008 χ^2/NDF: 4329922.3/58

In: 47.988+/-0.006 χ^2/NDF:4355932.7/49

Out: 48.260+/-0.006 χ^2/NDF:5964569.9/56

All: 48.127+/-0.004 χ^2/NDF: 10321537.0/106

asym_sam_37_26_dd_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -111.246+/-52.566 χ^2/NDF: 22.2/26

Left Out: -109.869+/-30.759 χ^2/NDF:36.3/24

Right Out: 126.467+/-50.373 χ^2/NDF: 26.1/31

Left In: 18.838+/-31.477 χ^2/NDF:27.2/22

Left: -47.000+/-21.999 χ^2/NDF: 72.0/47

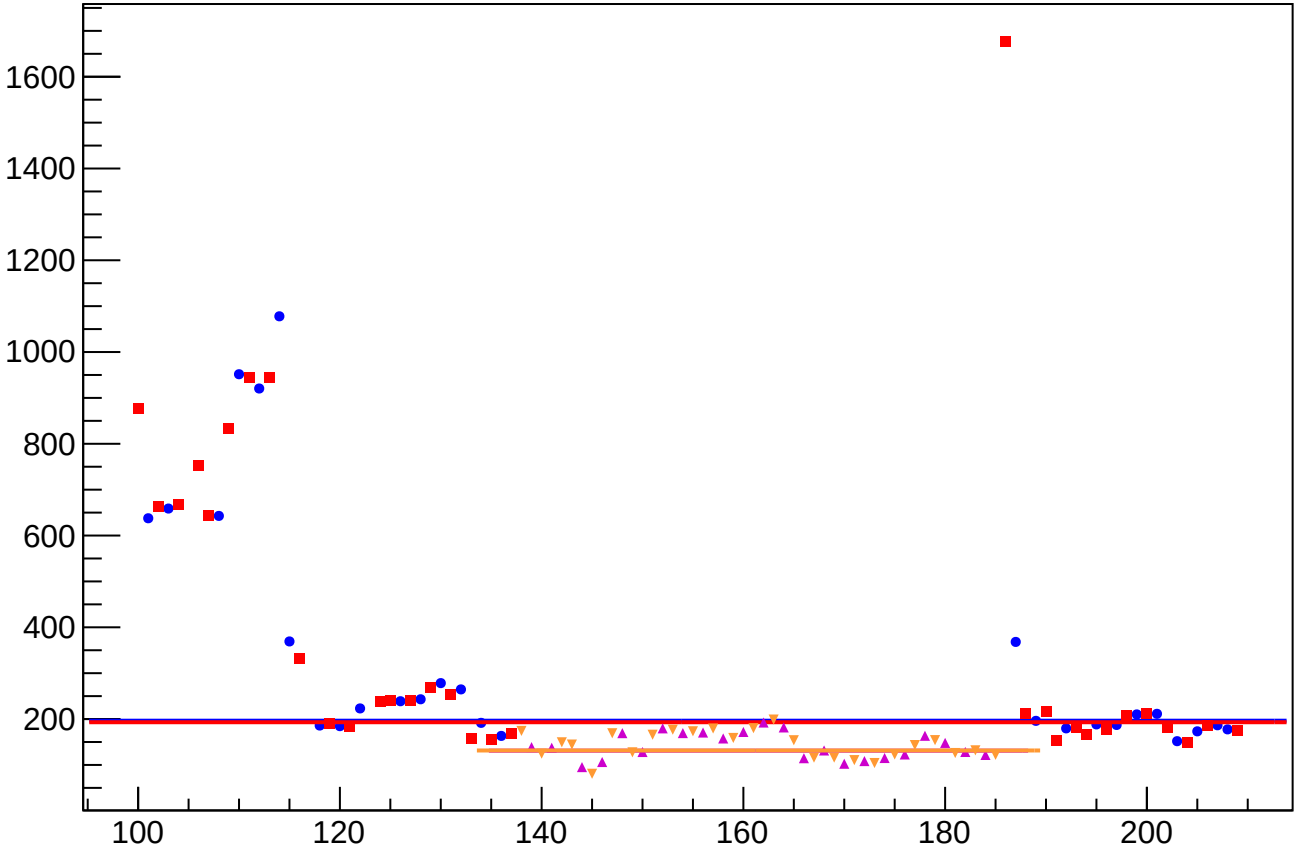
Right: 12.672+/-36.370 χ^2/NDF: 58.9/58

In: -15.495+/-27.005 χ^2/NDF:53.9/49

Out: -45.683+/-26.252 χ^2/NDF:78.4/56

All: -31.016+/-18.824 χ^2/NDF: 132.9/106

asym_sam_37_26_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 196.423+/-0.037 χ^2/NDF: 3543706.4/26

Left Out: 131.515+/-0.022 χ^2/NDF:1902951.8/24

Right Out: 193.100+/-0.036 χ^2/NDF: 4984924.5/31

Left In: 131.074+/-0.022 χ^2/NDF:1467810.7/22

Left: 131.300+/-0.016 χ^2/NDF: 3370963.6/47

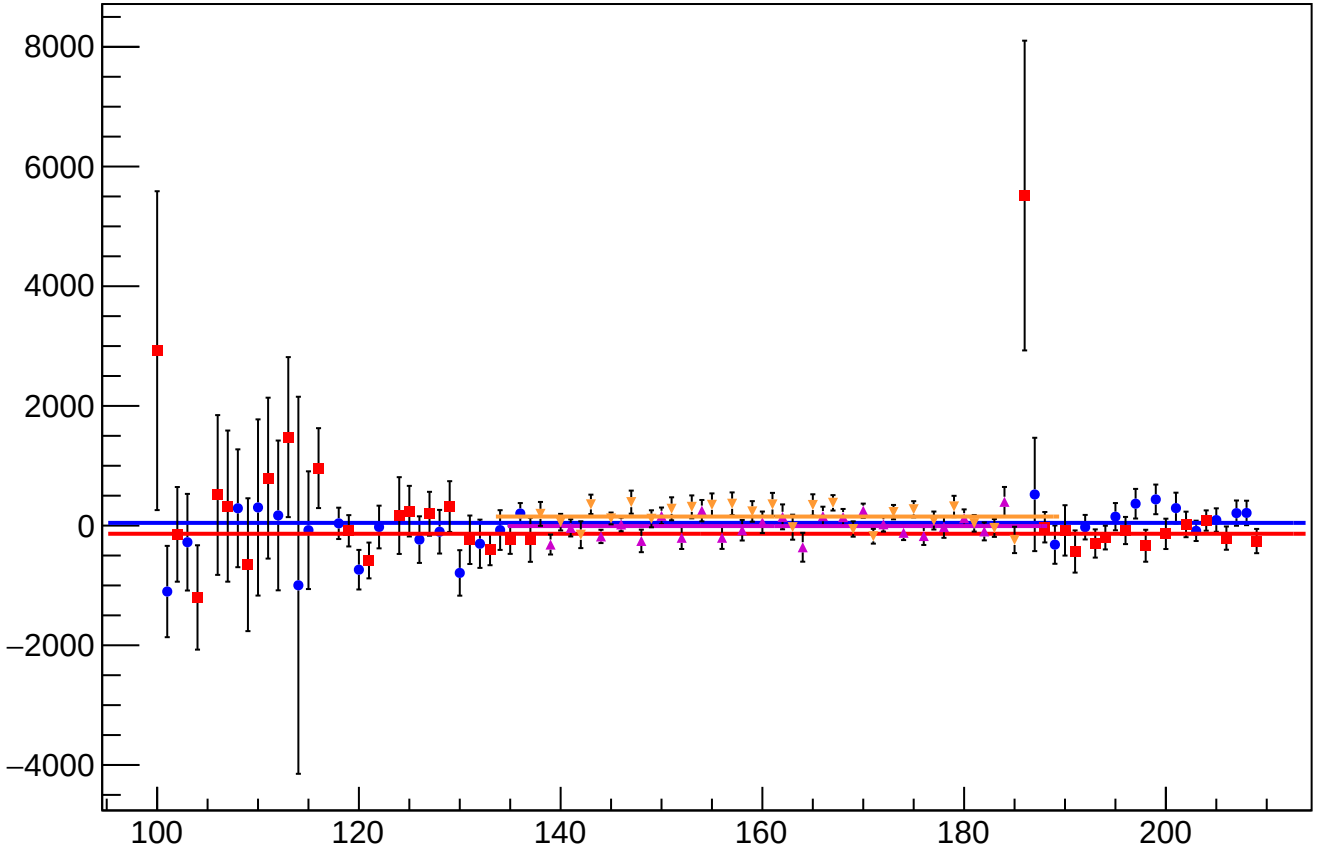
Right: 194.691+/-0.026 χ^2/NDF: 8532796.1/58

In: 148.321+/-0.019 χ^2/NDF:7286671.7/49

Out: 148.241+/-0.019 χ^2/NDF:9065357.6/56

All: 148.280+/-0.013 χ^2/NDF: 16352038.4/10

asym_sam_37_26_dd_mean vs Slug, Sign Corrected



Right In: 45.486+/-56.245 χ^2/NDF: 24.4/26

Left Out: 151.108+/-30.952 χ^2/NDF:33.1/24

Right Out: -136.477+/-54.976 χ^2/NDF: 24.3/31

Left In: -7.941+/-31.621 χ^2/NDF:29.5/22

Left: 73.285+/-22.119 χ^2/NDF: 75.5/47

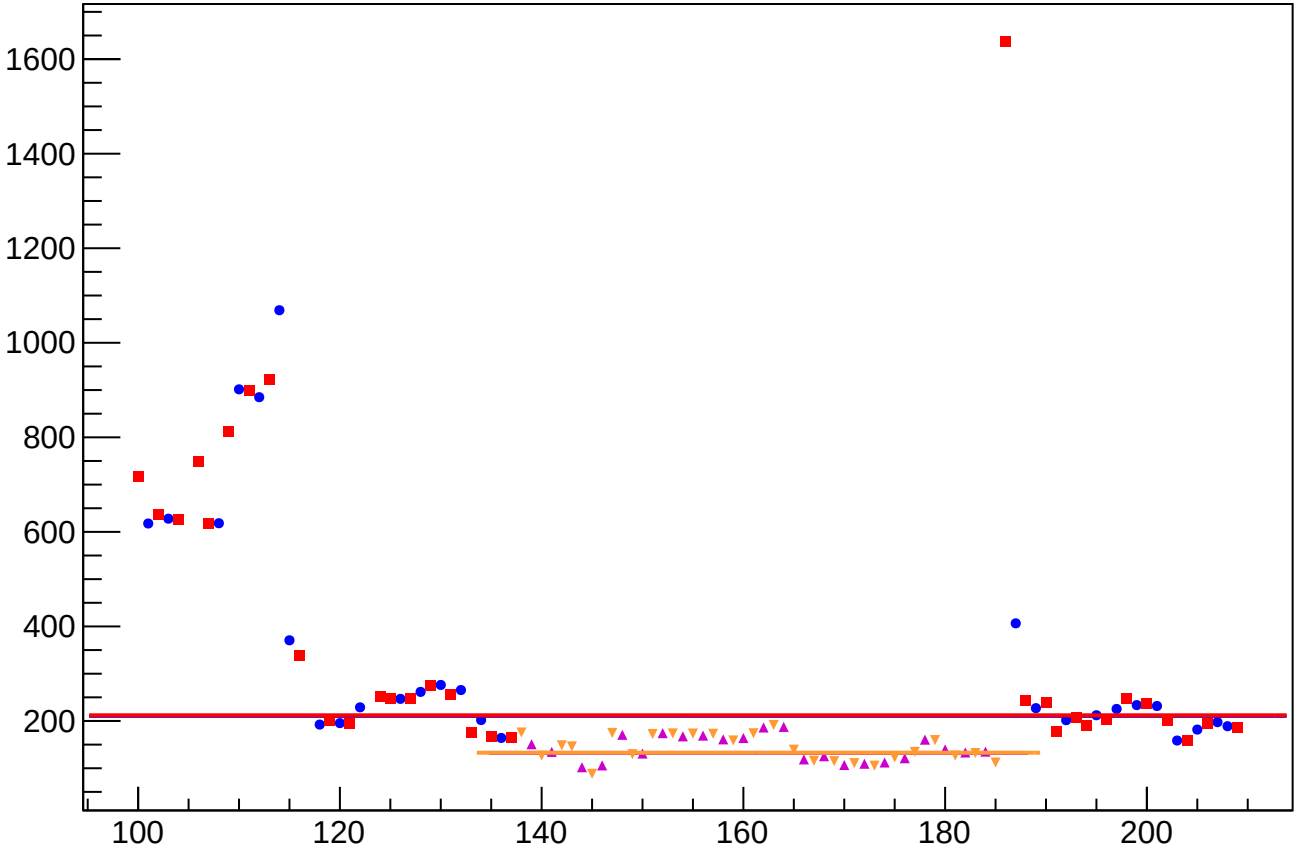
Right: -47.573+/-39.315 χ^2/NDF: 54.0/58

In: 4.890+/-27.564 χ^2/NDF:54.6/49

Out: 81.890+/-26.971 χ^2/NDF:78.1/56

All: 44.227+/-19.277 χ^2/NDF: 136.6/106

asym_sam_37_26_dd_rms vs Slug, Sign Corrected



Right In: 210.831+/-0.040 χ^2/NDF: 3378031.7/26

Left Out: 132.876+/-0.022 χ^2/NDF:1592310.5/24

Right Out: 211.873+/-0.039 χ^2/NDF: 4647317.6/31

Left In: 132.342+/-0.022 χ^2/NDF:1277761.6/22

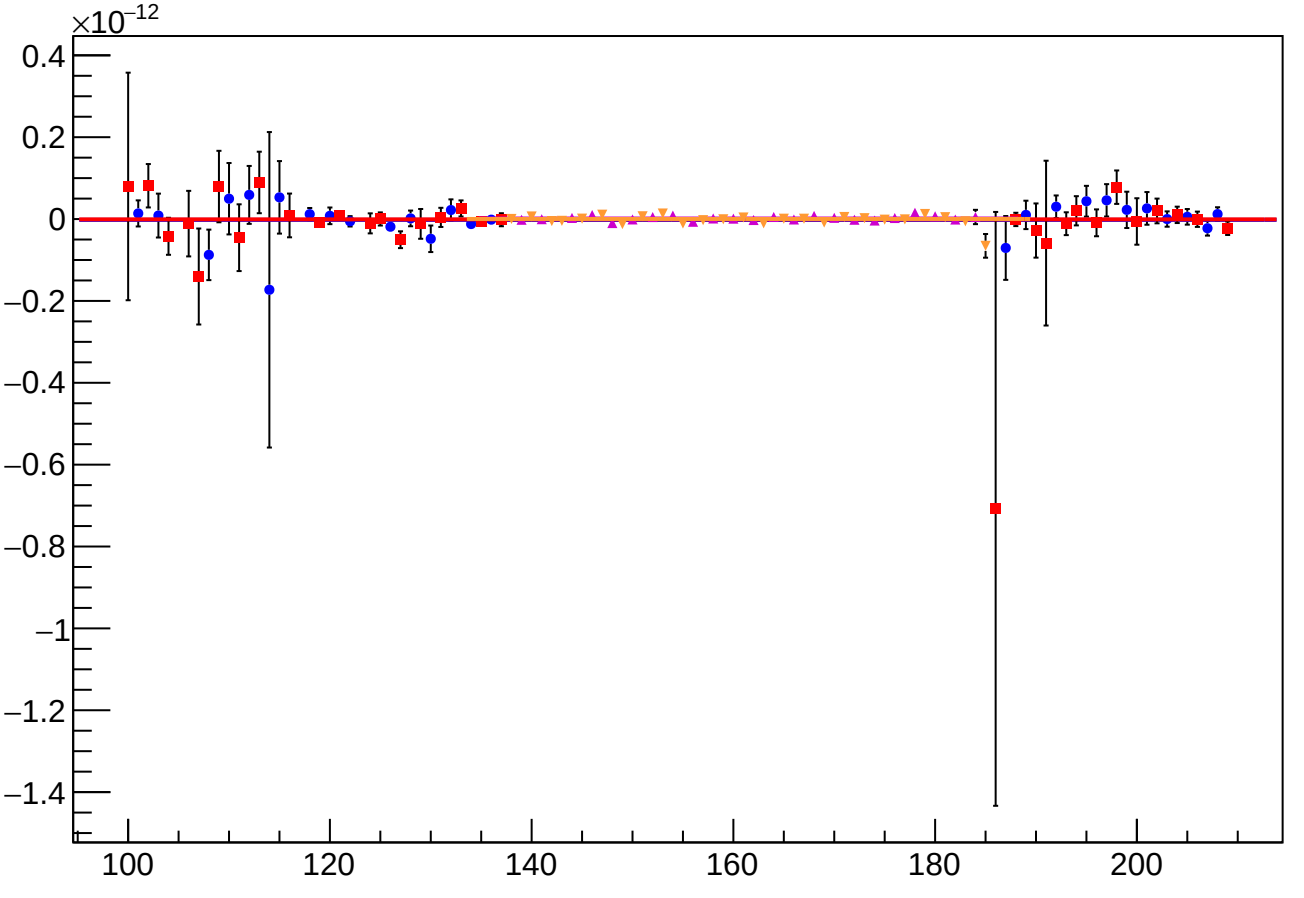
Left: 132.614+/-0.016 χ^2/NDF: 2870363.4/47

Right: 211.364+/-0.028 χ^2/NDF: 8025700.1/58

In: 151.192+/-0.019 χ^2/NDF:7615162.1/49

Out: 151.889+/-0.019 χ^2/NDF:9375310.7/56

All: 151.548+/-0.014 χ^2/NDF: 16991126.7/10



Right In: -0.000+/-0.000 χ^2/NDF: 19.9/26

Left Out: 0.000+/-0.000 χ^2/NDF:32.2/24

Right Out: -0.000+/-0.000 χ^2/NDF: 26.0/31

Left In: 0.000+/-0.000 χ^2/NDF:14.9/22

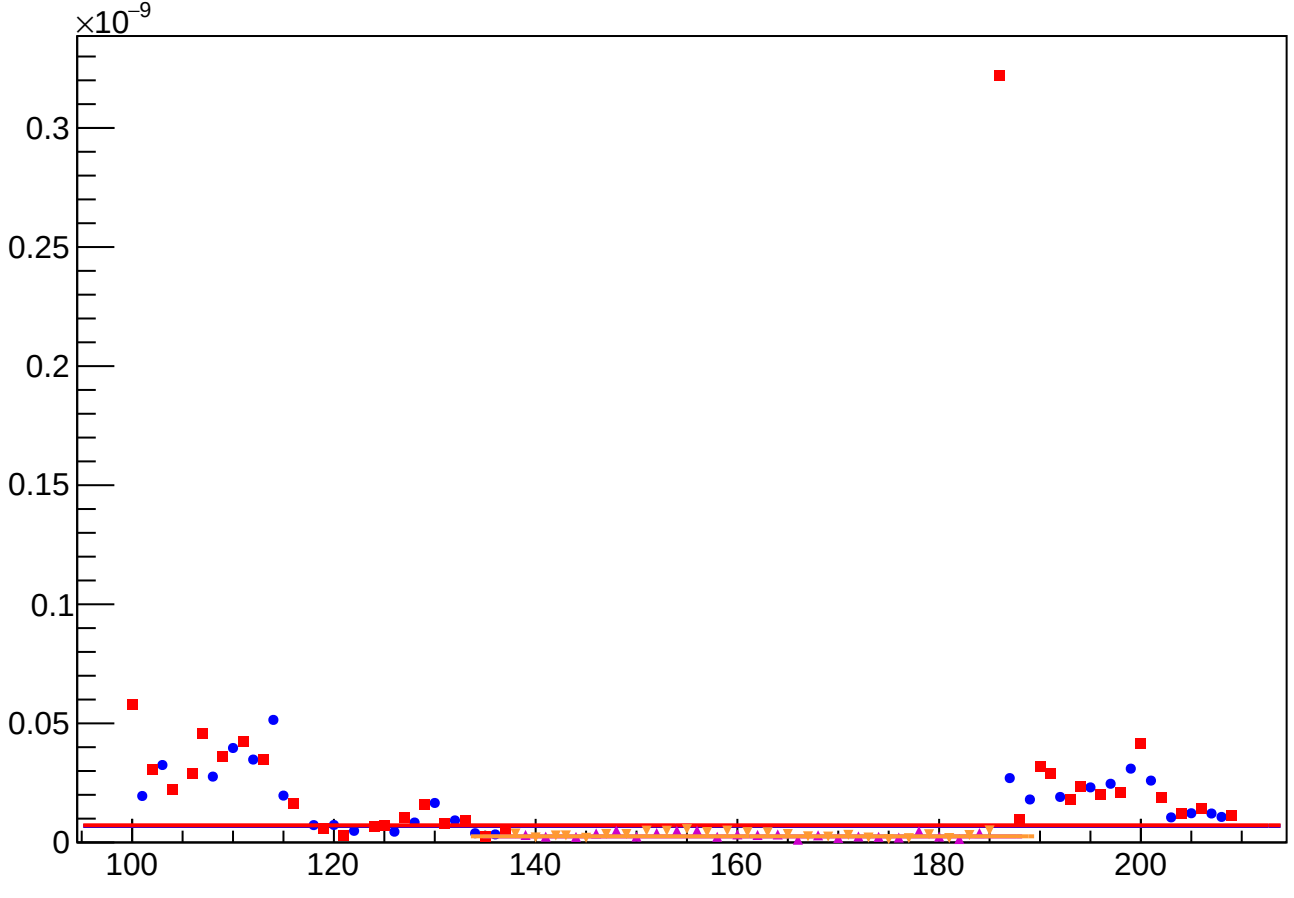
Left: 0.000+/-0.000 χ^2/NDF: 47.6/47

Right: -0.000+/-0.000 χ^2/NDF: 45.9/58

In: 0.000+/-0.000 χ^2/NDF:35.7/49

Out: 0.000+/-0.000 χ^2/NDF:58.3/56

All: 0.000+/-0.000 χ^2/NDF: 94.3/106



Right In: 0.000+/-0.000 χ^2/NDF: 6130986.6/26

Left Out: 0.000+/-0.000 χ^2/NDF:2174042.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 7369274.3/31

Left In: 0.000+/-0.000 χ^2/NDF:1530752.8/22

Left: 0.000+/-0.000 χ^2/NDF: 3707099.3/47

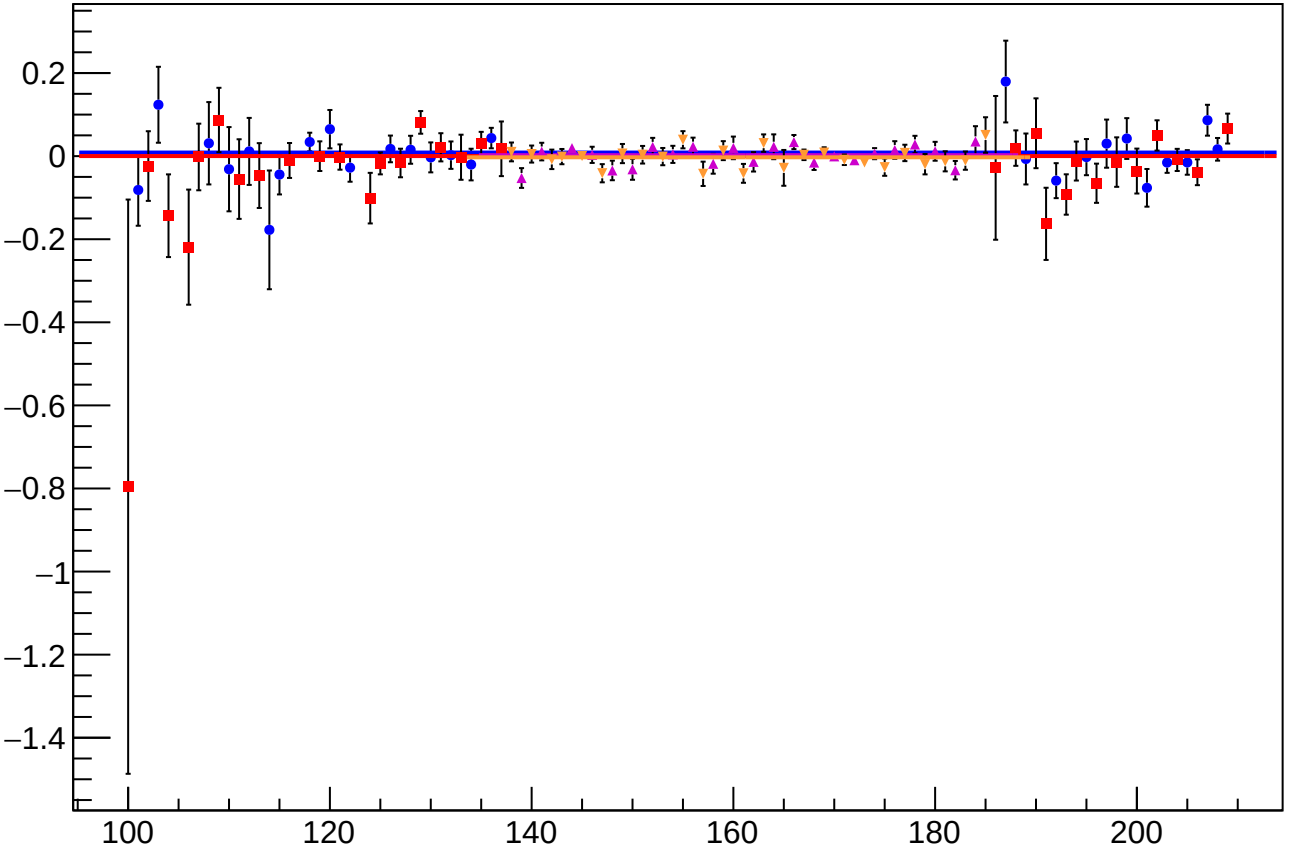
Right: 0.000+/-0.000 χ^2/NDF: 13507216.1/58

In: 0.000+/-0.000 χ^2/NDF:10849534.9/49

Out: 0.000+/-0.000 χ^2/NDF:12762983.2/56

All: 0.000+/-0.000 χ^2/NDF: 23612636.9/106

asym_sam_37_26_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.009+/-0.007 χ^2/NDF: 28.5/26

Left Out: -0.003+/-0.004 χ^2/NDF:22.6/24

Right Out: 0.000+/-0.008 χ^2/NDF: 39.0/31

Left In: 0.002+/-0.004 χ^2/NDF:26.9/22

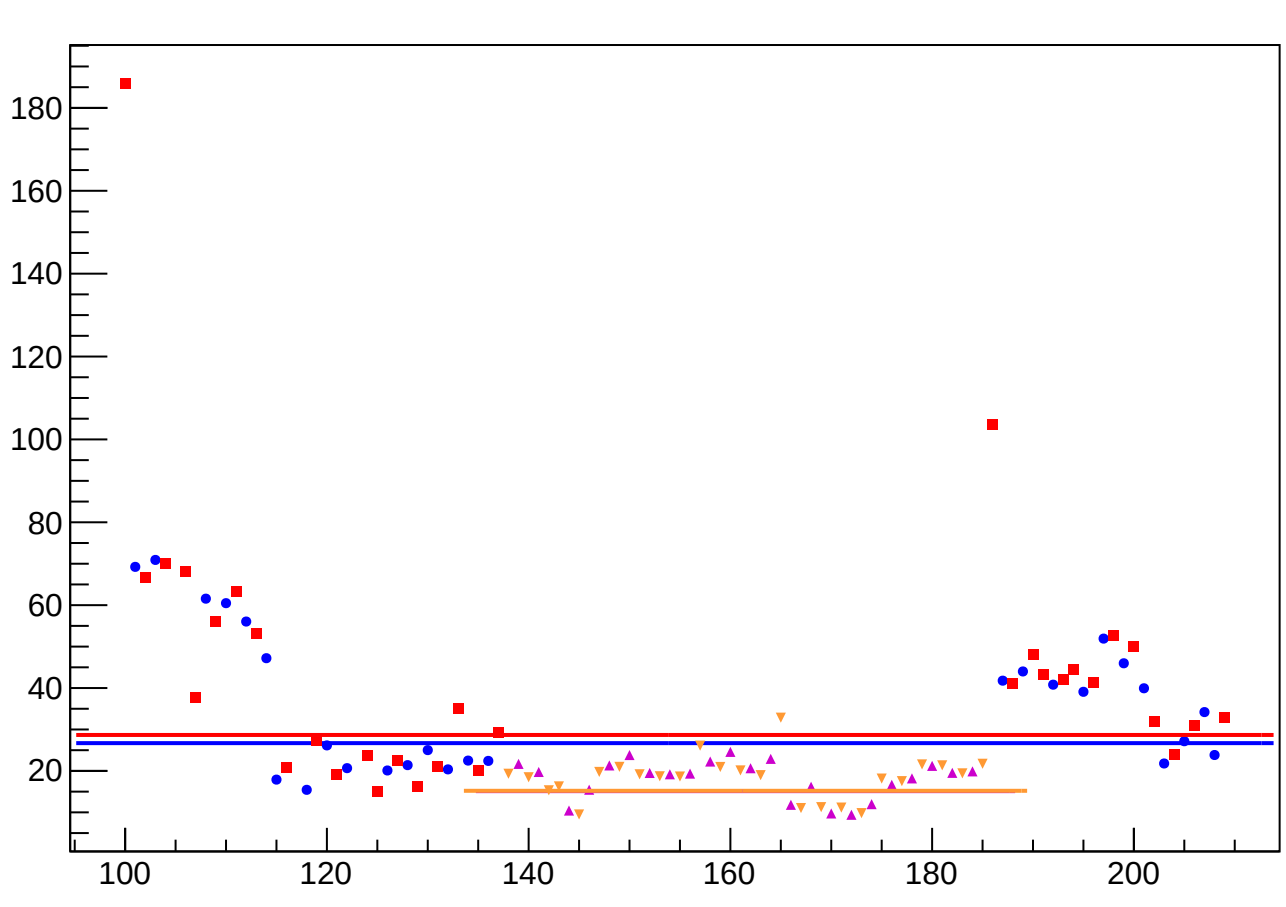
Left: -0.000+/-0.003 χ^2/NDF: 50.5/47

Right: 0.005+/-0.005 χ^2/NDF: 68.1/58

In: 0.004+/-0.003 χ^2/NDF:56.0/49

Out: -0.002+/-0.003 χ^2/NDF:61.8/56

All: 0.001+/-0.002 χ^2/NDF: 119.3/106



Right In: 26.704+/-0.005 χ^2/NDF: 4300584.0/26

Left Out: 15.202+/-0.003 χ^2/NDF:3441921.2/24

Right Out: 28.676+/-0.005 χ^2/NDF: 5343157.1/31

Left In: 15.116+/-0.003 χ^2/NDF:3402288.3/22

Left: 15.161+/-0.002 χ^2/NDF: 6844723.3/47

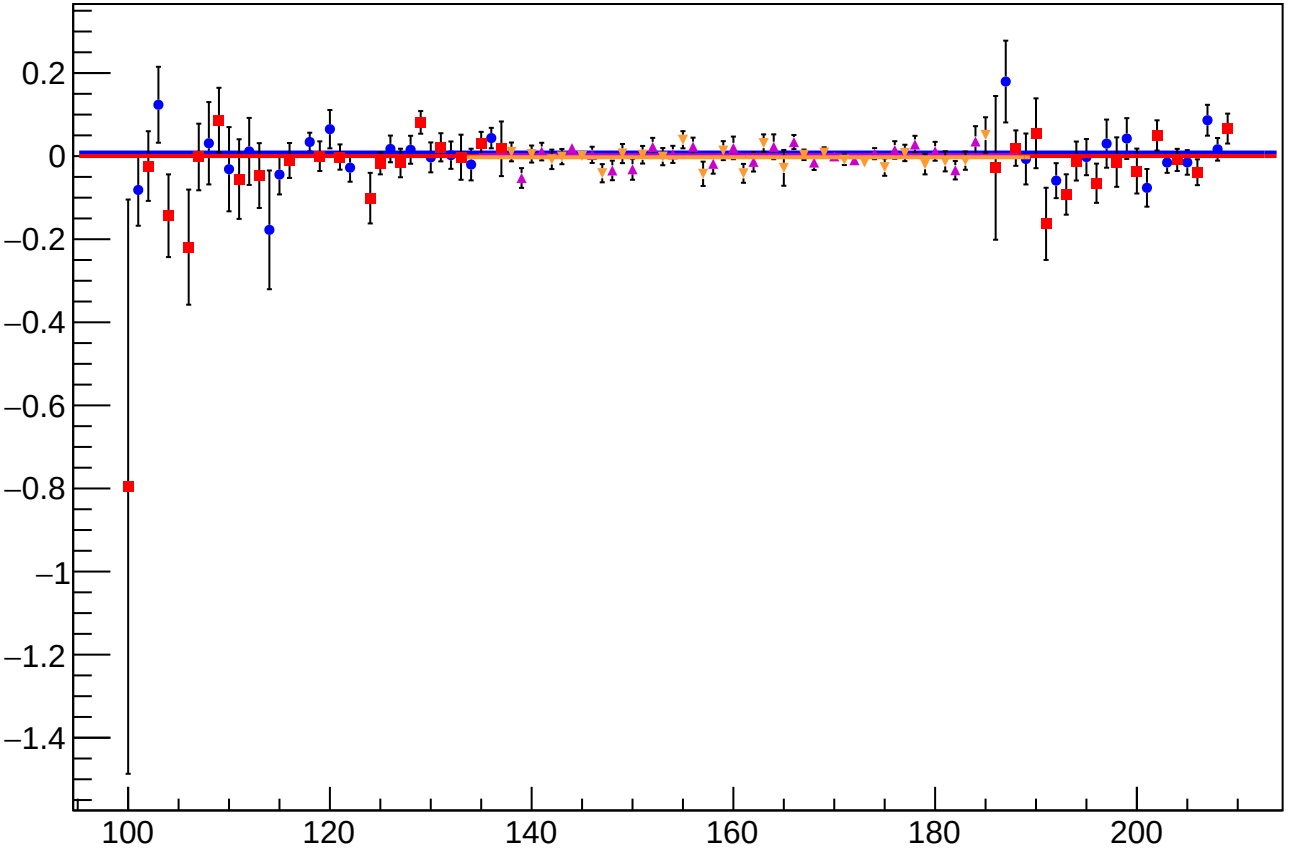
Right: 27.657+/-0.004 χ^2/NDF: 9710646.7/58

In: 17.512+/-0.002 χ^2/NDF:11497558.7/49

Out: 17.707+/-0.002 χ^2/NDF:13704553.7/56

All: 17.612+/-0.002 χ^2/NDF: 25205452.5/106

asym_sam_37_26_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.009+/-0.007 χ^2/NDF: 28.5/26

Left Out: -0.003+/-0.004 χ^2/NDF:22.6/24

Right Out: 0.000+/-0.008 χ^2/NDF: 39.0/31

Left In: 0.002+/-0.004 χ^2/NDF:26.9/22

Left: -0.000+/-0.003 χ^2/NDF: 50.5/47

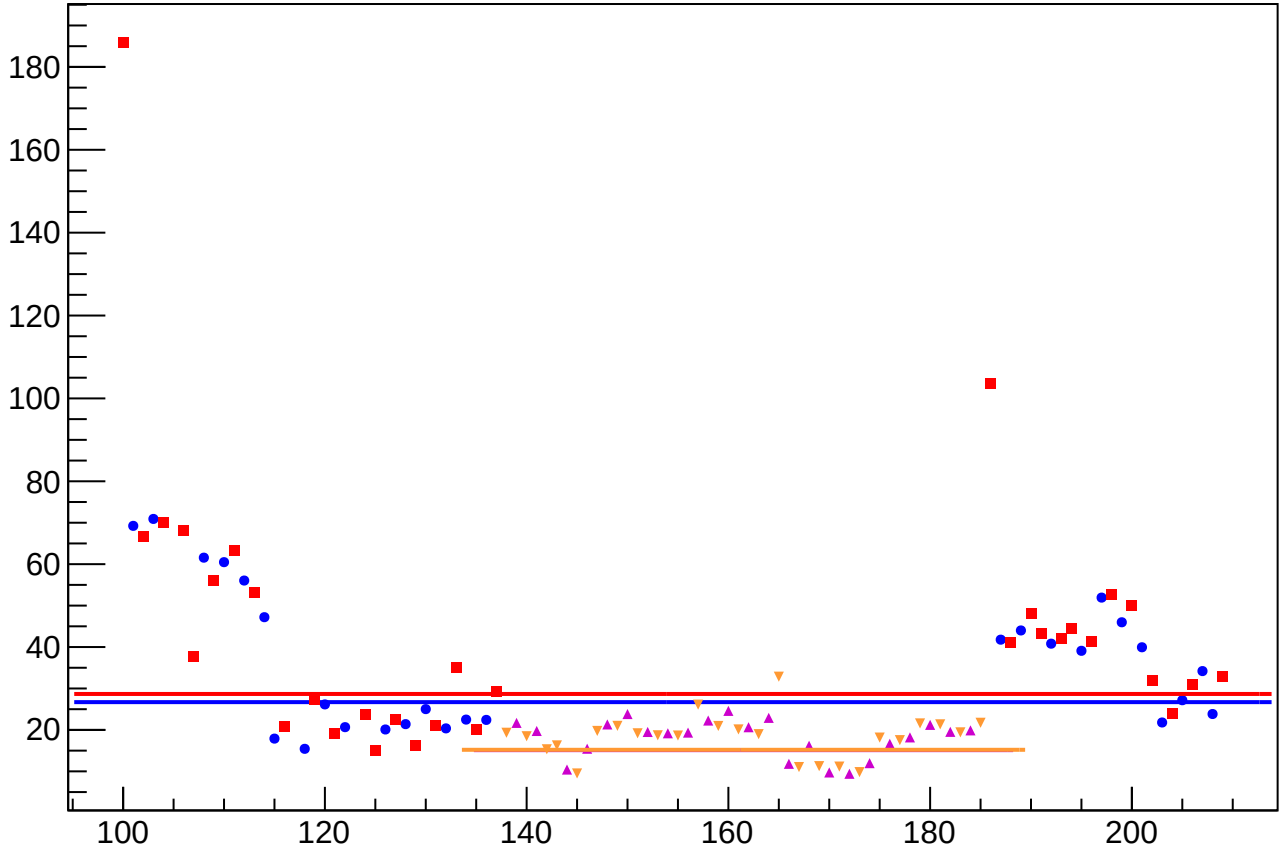
Right: 0.005+/-0.005 χ^2/NDF: 68.1/58

In: 0.004+/-0.003 χ^2/NDF:56.0/49

Out: -0.002+/-0.003 χ^2/NDF:61.8/56

All: 0.001+/-0.002 χ^2/NDF: 119.3/106

asym_sam_37_26_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 26.704+/-0.005 χ^2/NDF: 4300584.0/26

Left Out: 15.202+/-0.003 χ^2/NDF:3441921.2/24

Right Out: 28.676+/-0.005 χ^2/NDF: 5343157.1/31

Left In: 15.116+/-0.003 χ^2/NDF:3402288.3/22

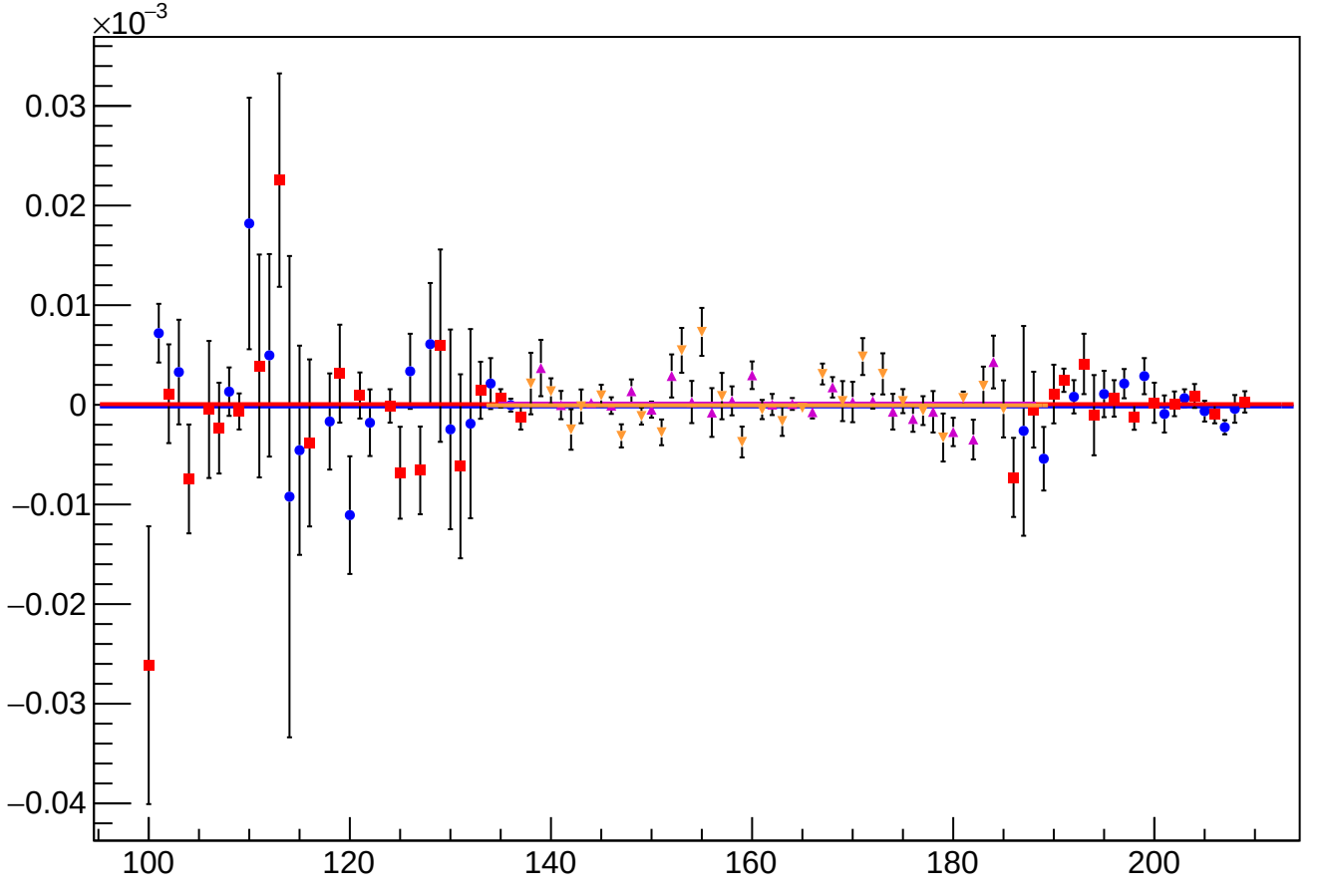
Left: 15.161+/-0.002 χ^2/NDF: 6844723.3/47

Right: 27.657+/-0.004 χ^2/NDF: 9710646.7/58

In: 17.512+/-0.002 χ^2/NDF:11497558.7/49

Out: 17.707+/-0.002 χ^2/NDF:13704553.7/56

All: 17.612+/-0.002 χ^2/NDF: 25205452.5/106



Right In: -0.000+/-0.000 χ^2/NDF: 34.8/26

Left Out: -0.000+/-0.000 χ^2/NDF:62.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 30.5/31

Left In: 0.000+/-0.000 χ^2/NDF:25.5/22

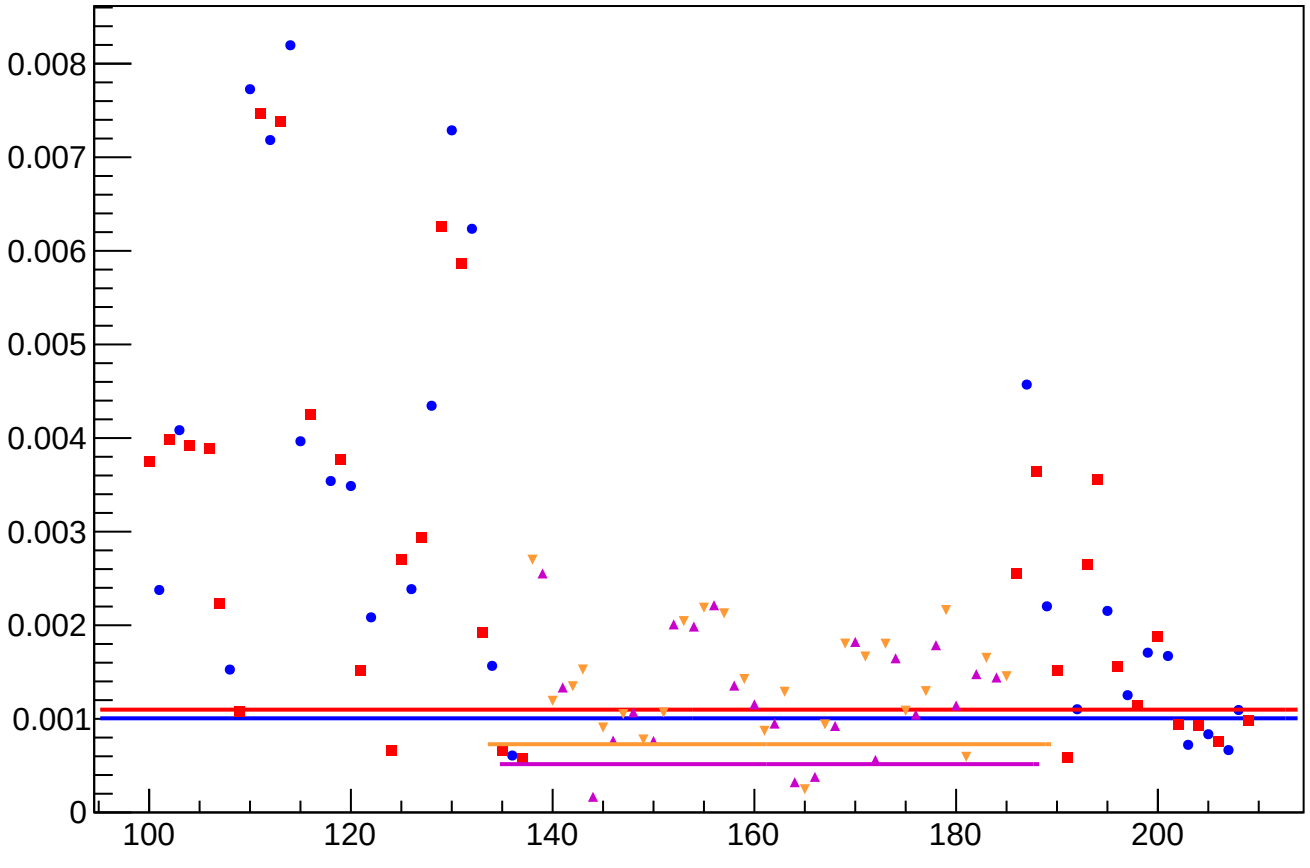
Left: 0.000+/-0.000 χ^2/NDF: 88.7/47

Right: -0.000+/-0.000 χ^2/NDF: 65.5/58

In: 0.000+/-0.000 χ^2/NDF:60.9/49

Out: -0.000+/-0.000 χ^2/NDF:93.4/56

All: 0.000+/-0.000 χ^2/NDF: 154.4/106



Right In: 0.001+/-0.000 χ^2/NDF: 9407573.4/26

Left Out: 0.001+/-0.000 χ^2/NDF:13120515.6/24

Right Out: 0.001+/-0.000 χ^2/NDF: 10425723.8/31

Left In: 0.001+/-0.000 χ^2/NDF:15027708.0/22

Left: 0.001+/-0.000 χ^2/NDF: 29374928.0/47

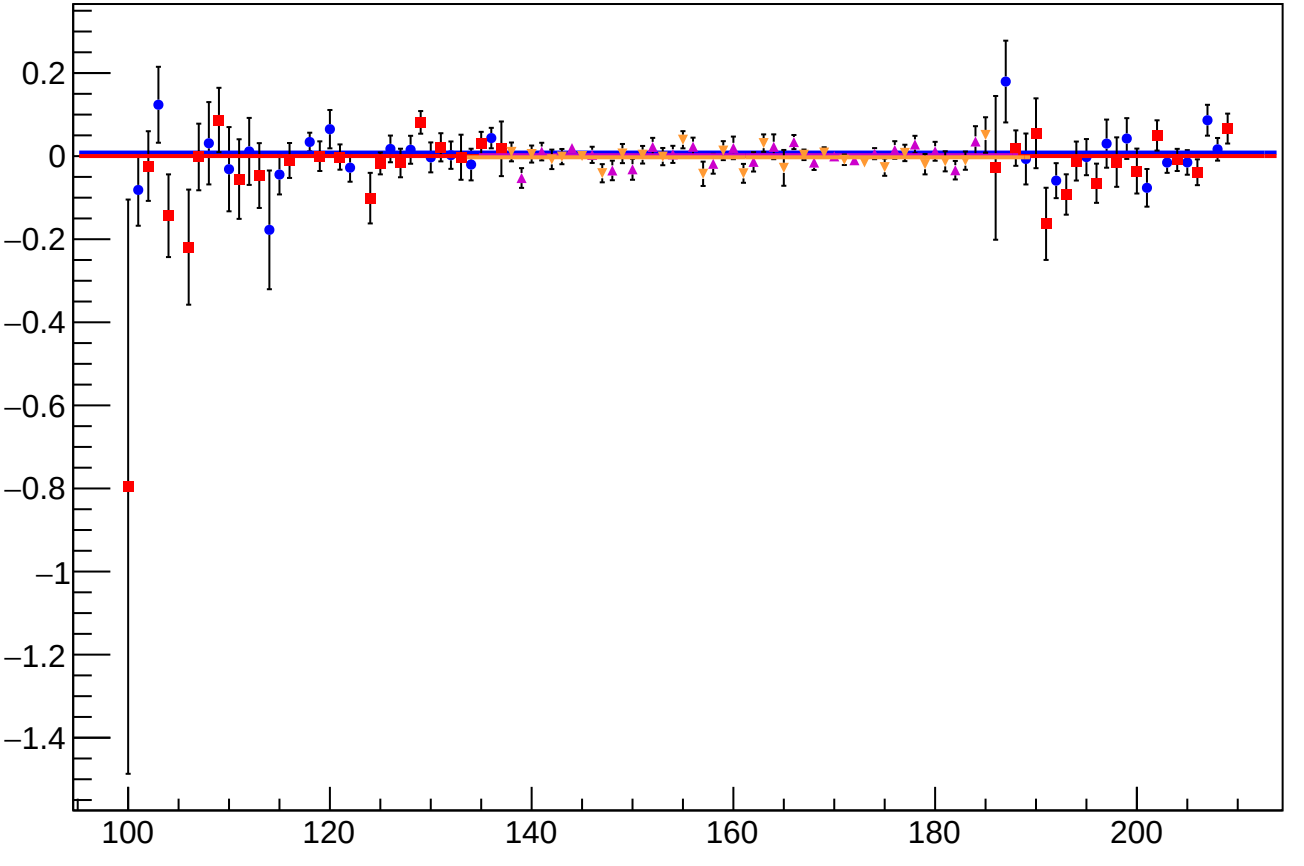
Right: 0.001+/-0.000 χ^2/NDF: 19911460.8/58

In: 0.001+/-0.000 χ^2/NDF:27974315.2/49

Out: 0.001+/-0.000 χ^2/NDF:25274059.0/56

All: 0.001+/-0.000 χ^2/NDF: 54747700.5/106

asym_sam_37_26_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.009+/-0.007 χ^2/NDF: 28.5/26

Left Out: -0.003+/-0.004 χ^2/NDF:22.6/24

Right Out: 0.000+/-0.008 χ^2/NDF: 39.0/31

Left In: 0.002+/-0.004 χ^2/NDF:26.9/22

Left: -0.000+/-0.003 χ^2/NDF: 50.5/47

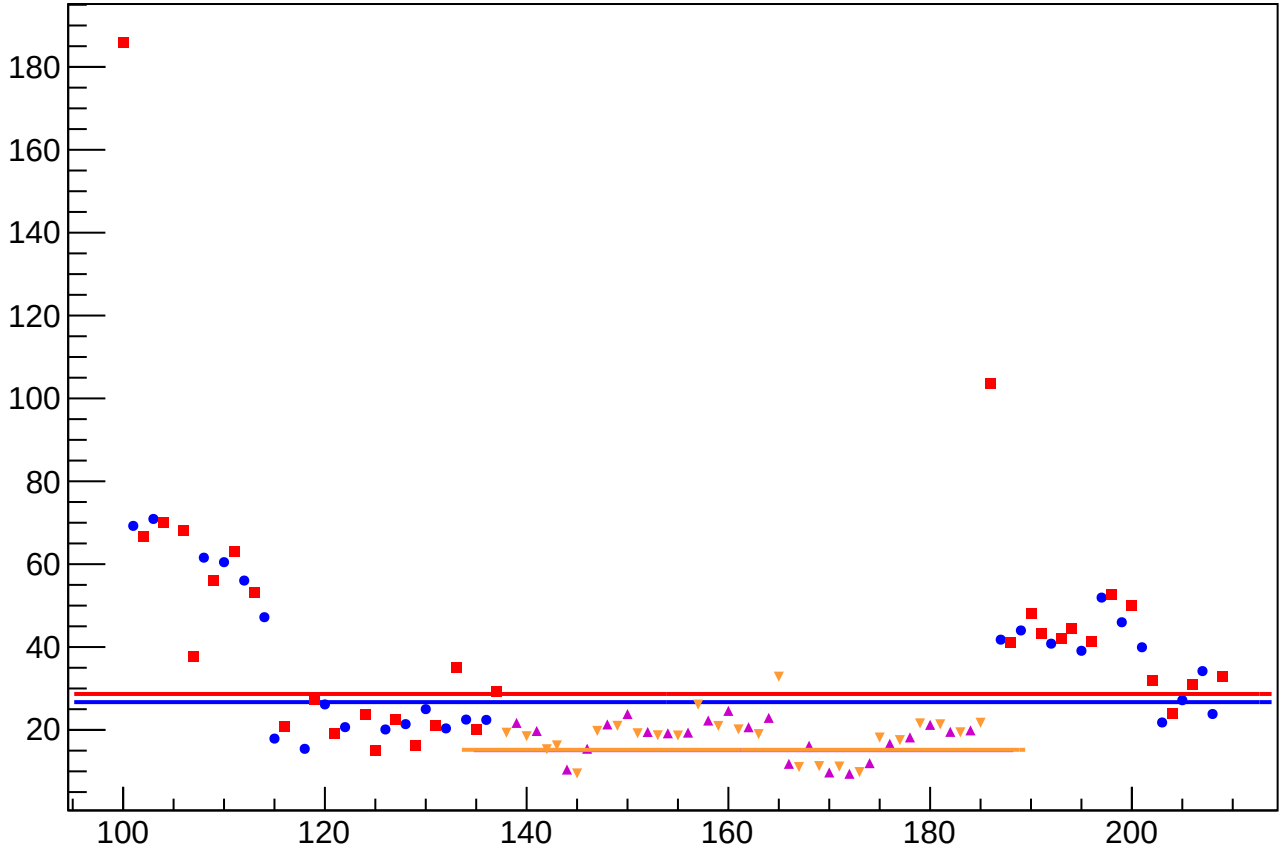
Right: 0.005+/-0.005 χ^2/NDF: 68.1/58

In: 0.004+/-0.003 χ^2/NDF:56.0/49

Out: -0.002+/-0.003 χ^2/NDF:61.8/56

All: 0.001+/-0.002 χ^2/NDF: 119.3/106

asym_sam_37_26_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 26.704+/-0.005 χ^2/NDF: 4300892.0/26

Left Out: 15.202+/-0.003 χ^2/NDF:3442015.2/24

Right Out: 28.676+/-0.005 χ^2/NDF: 5343363.4/31

Left In: 15.117+/-0.003 χ^2/NDF:3402318.1/22

Left: 15.161+/-0.002 χ^2/NDF: 6844846.5/47

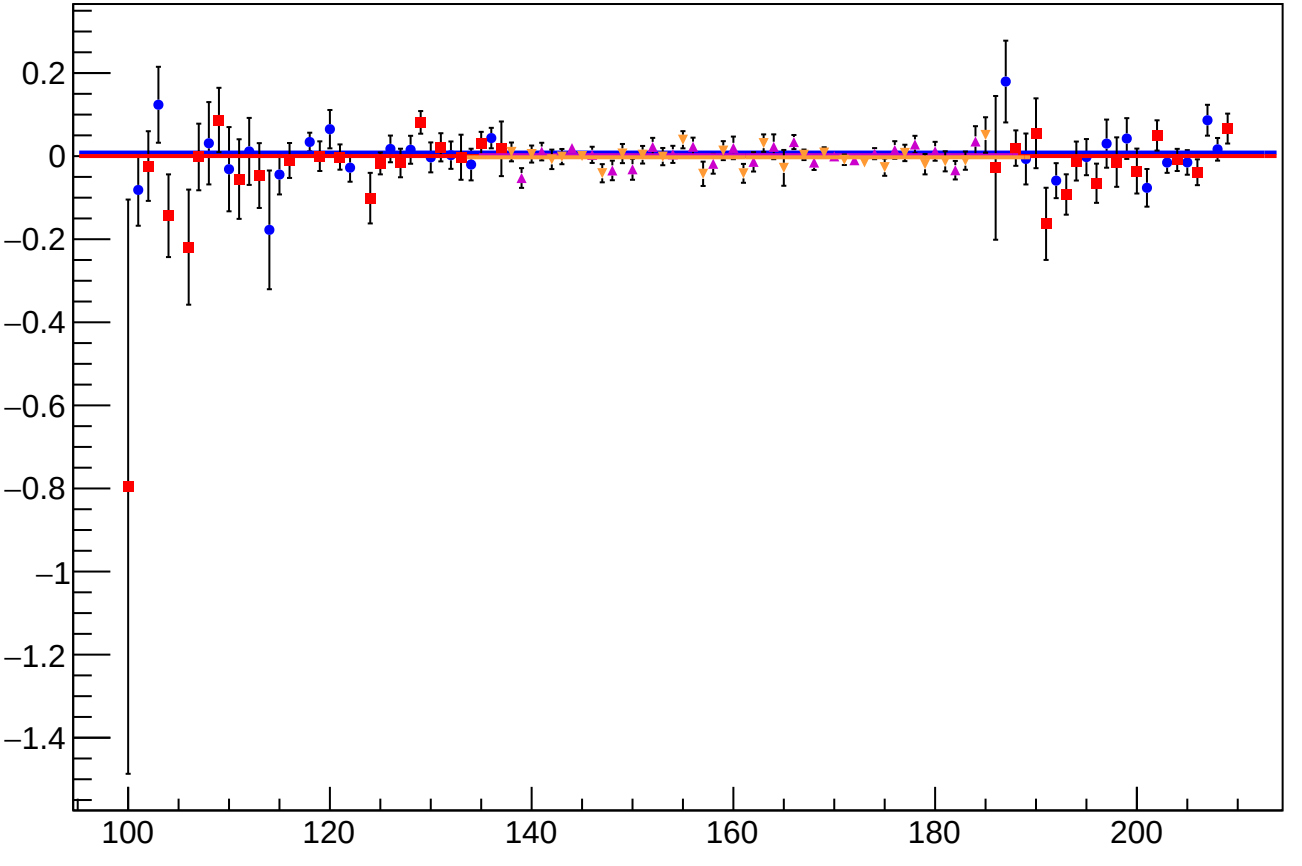
Right: 27.656+/-0.004 χ^2/NDF: 9711200.2/58

In: 17.512+/-0.002 χ^2/NDF:11497450.5/49

Out: 17.707+/-0.002 χ^2/NDF:13704686.8/56

All: 17.612+/-0.002 χ^2/NDF: 25205477.5/106

asym_sam_37_26_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.009+/-0.007 χ^2/NDF: 28.5/26

Left Out: -0.003+/-0.004 χ^2/NDF:22.6/24

Right Out: 0.000+/-0.008 χ^2/NDF: 39.0/31

Left In: 0.002+/-0.004 χ^2/NDF:26.9/22

Left: -0.000+/-0.003 χ^2/NDF: 50.5/47

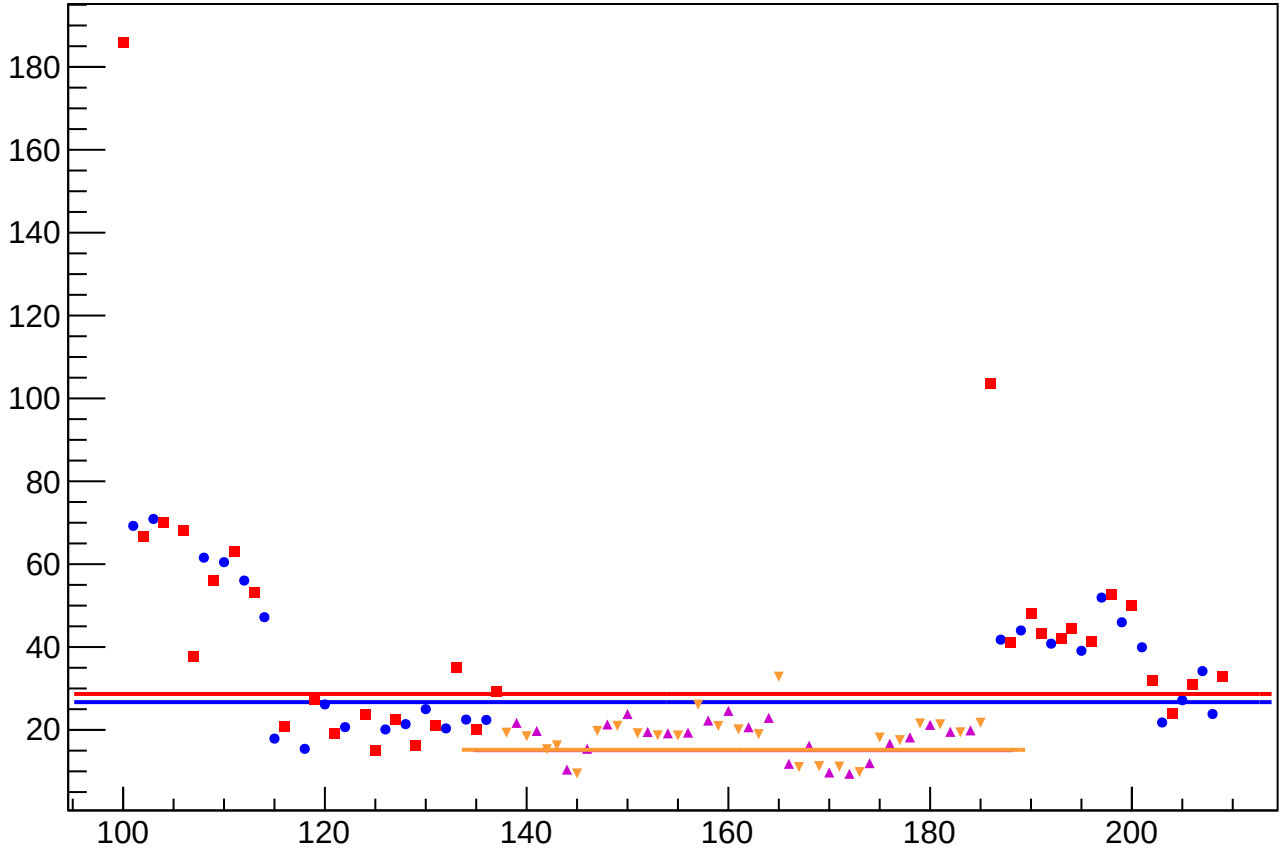
Right: 0.005+/-0.005 χ^2/NDF: 68.1/58

In: 0.004+/-0.003 χ^2/NDF:56.0/49

Out: -0.002+/-0.003 χ^2/NDF:61.8/56

All: 0.001+/-0.002 χ^2/NDF: 119.3/106

asym_sam_37_26_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 26.704+/-0.005 χ^2/NDF: 4300892.0/26

Left Out: 15.202+/-0.003 χ^2/NDF:3442015.2/24

Right Out: 28.676+/-0.005 χ^2/NDF: 5343363.4/31

Left In: 15.117+/-0.003 χ^2/NDF:3402318.1/22

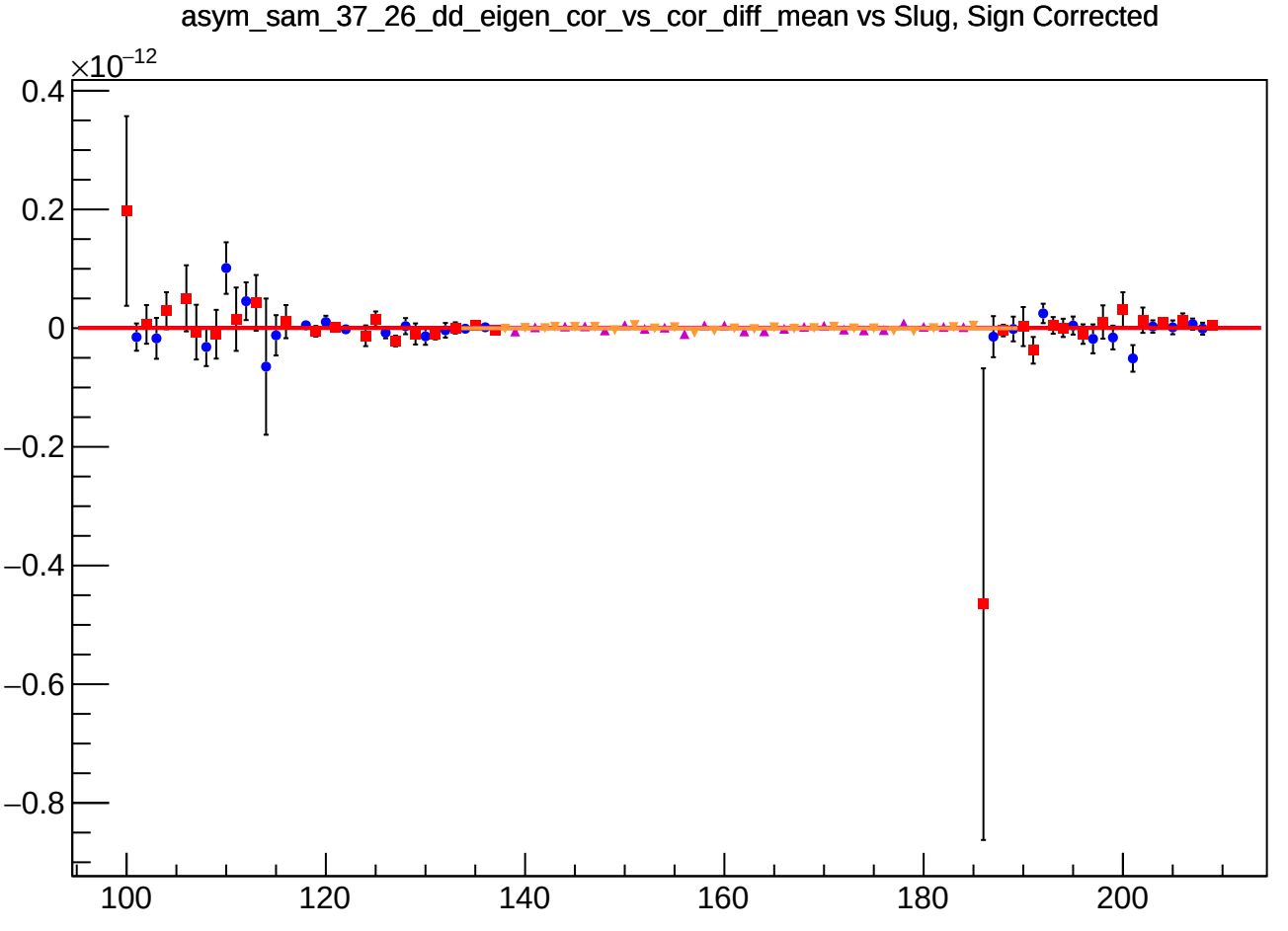
Left: 15.161+/-0.002 χ^2/NDF: 6844846.5/47

Right: 27.656+/-0.004 χ^2/NDF: 9711200.2/58

In: 17.512+/-0.002 χ^2/NDF:11497450.5/49

Out: 17.707+/-0.002 χ^2/NDF:13704686.8/56

All: 17.612+/-0.002 χ^2/NDF: 25205477.5/106



Right In: 0.000+/-0.000 χ^2/NDF: 22.4/26

Left Out: -0.000+/-0.000 χ^2/NDF:21.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 26.3/31

Left In: 0.000+/-0.000 χ^2/NDF:39.5/22

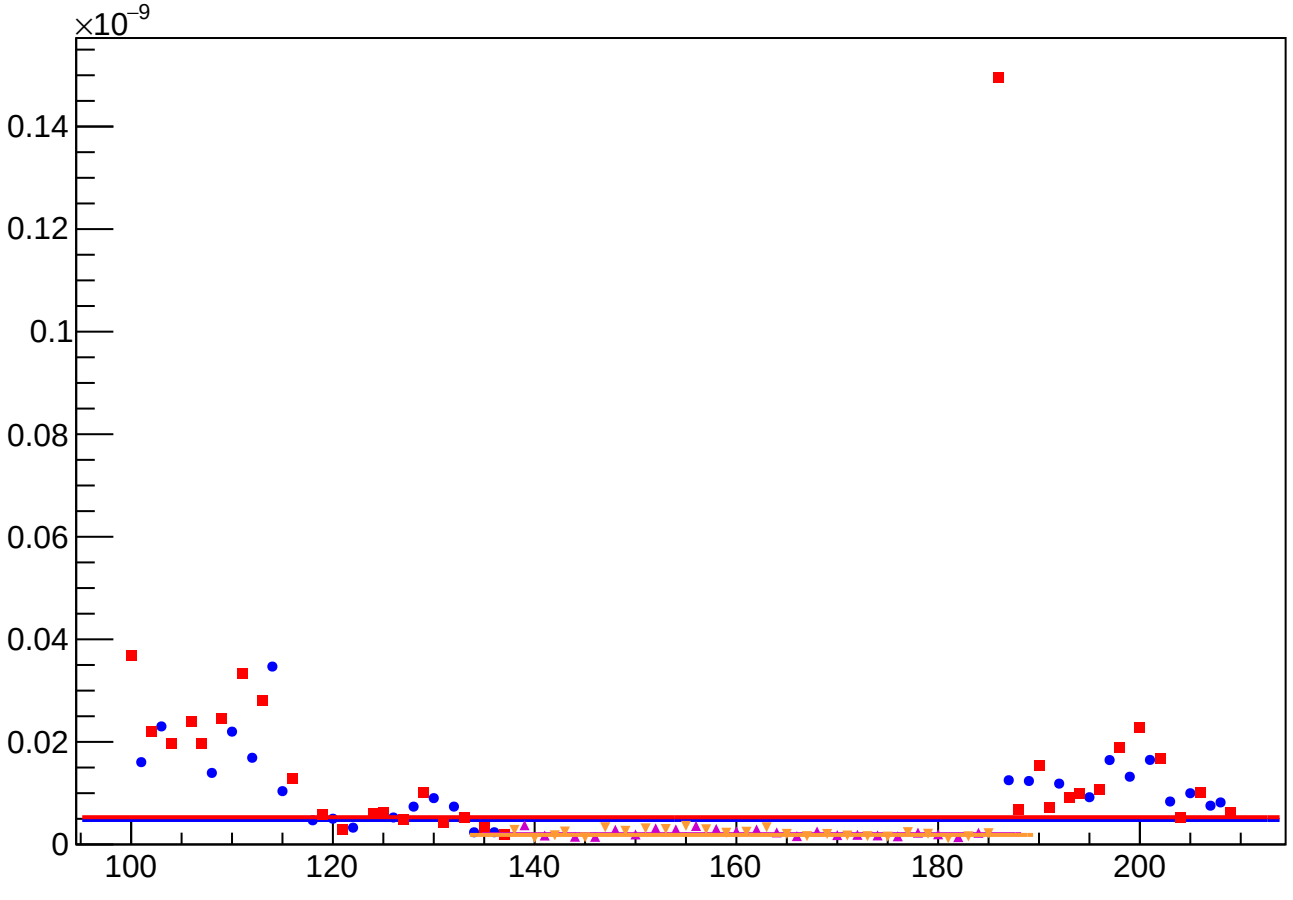
Left: 0.000+/-0.000 χ^2/NDF: 62.7/47

Right: 0.000+/-0.000 χ^2/NDF: 48.8/58

In: 0.000+/-0.000 χ^2/NDF:62.0/49

Out: -0.000+/-0.000 χ^2/NDF:47.8/56

All: 0.000+/-0.000 χ^2/NDF: 111.5/106



Right In: 0.000+/-0.000 χ^2/NDF: 7520341.2/26

Left Out: 0.000+/-0.000 χ^2/NDF:2645485.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 8151704.9/31

Left In: 0.000+/-0.000 χ^2/NDF:1948585.8/22

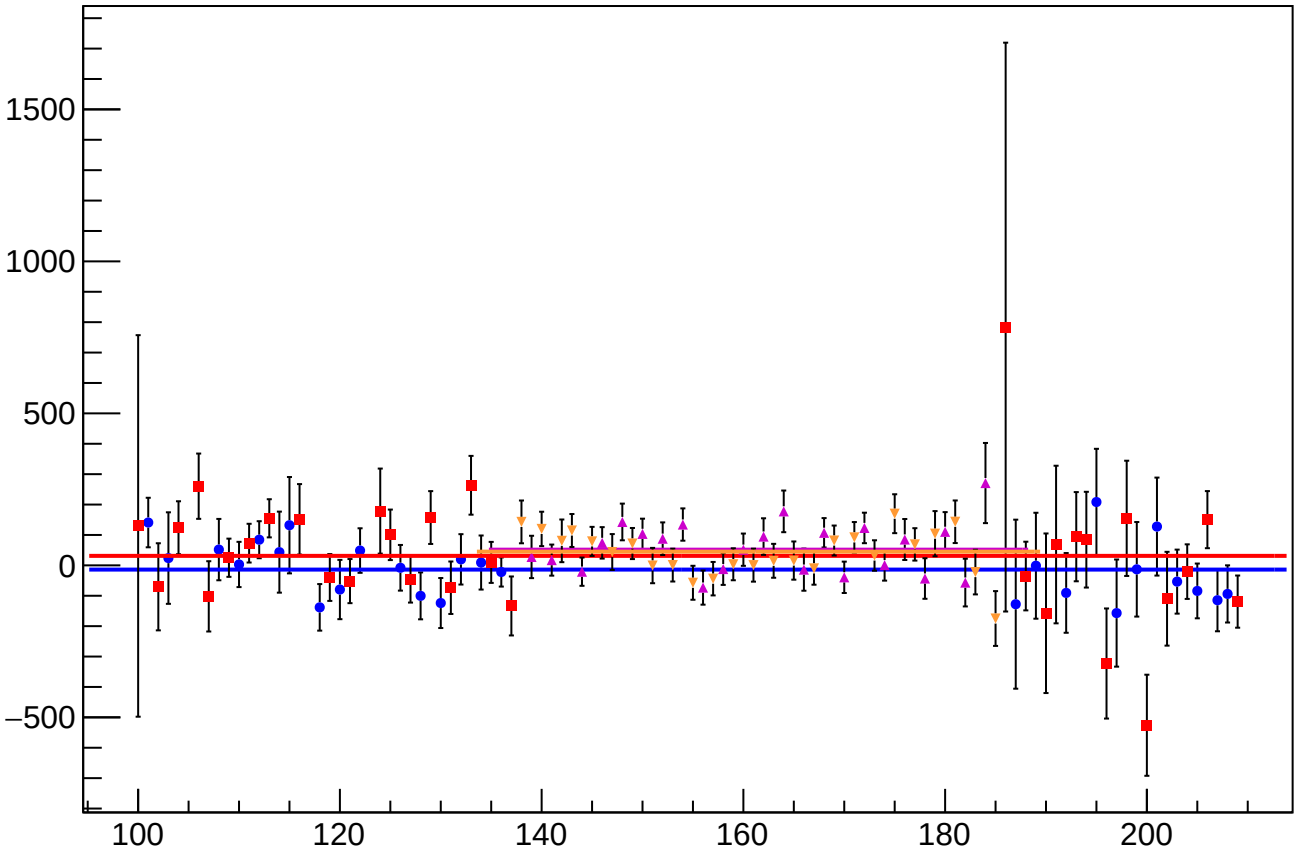
Left: 0.000+/-0.000 χ^2/NDF: 4661169.2/47

Right: 0.000+/-0.000 χ^2/NDF: 15750534.4/58

In: 0.000+/-0.000 χ^2/NDF:13548091.0/49

Out: 0.000+/-0.000 χ^2/NDF:16402204.9/56

All: 0.000+/-0.000 χ^2/NDF: 30040448.3/106



Right In: -13.922+/-17.755 χ^2/NDF: 20.9/26

Left Out: 45.093+/-11.495 χ^2/NDF:31.3/24

Right Out: 31.233+/-17.400 χ^2/NDF: 53.4/31

Left In: 51.616+/-11.929 χ^2/NDF:35.9/22

Left: 48.233+/-8.277 χ^2/NDF: 67.4/47

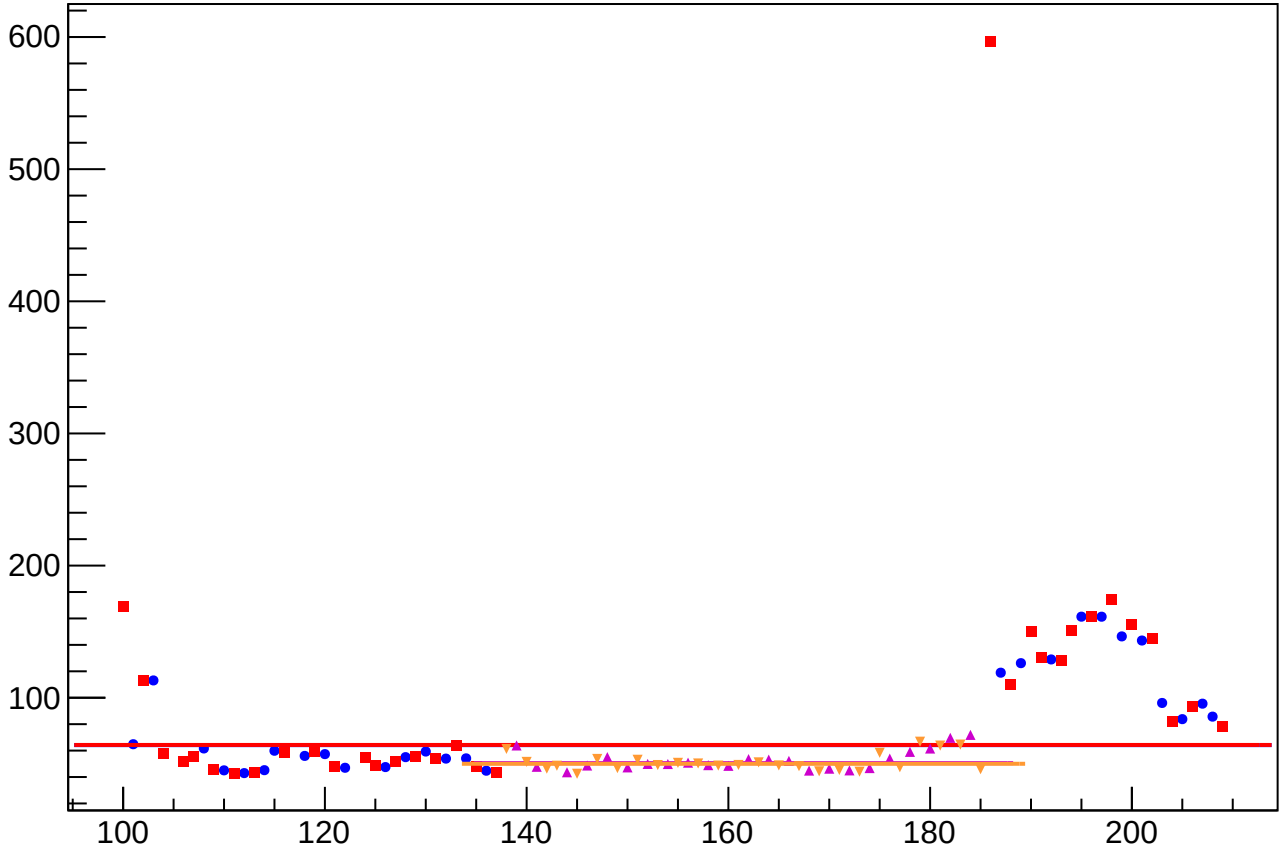
Right: 9.111+/-12.427 χ^2/NDF: 77.6/58

In: 31.234+/-9.902 χ^2/NDF:66.1/49

Out: 40.882+/-9.591 χ^2/NDF:85.2/56

All: 36.212+/-6.889 χ^2/NDF: 151.8/106

reg_asym_sam_1357_avg_rms vs Slug, Sign Corrected



Right In: 64.129+/-0.013 χ^2/NDF: 4944315.2/26

Left Out: 50.021+/-0.008 χ^2/NDF:509100.0/24

Right Out: 64.270+/-0.012 χ^2/NDF: 6501718.9/31

Left In: 50.512+/-0.008 χ^2/NDF:503409.2/22

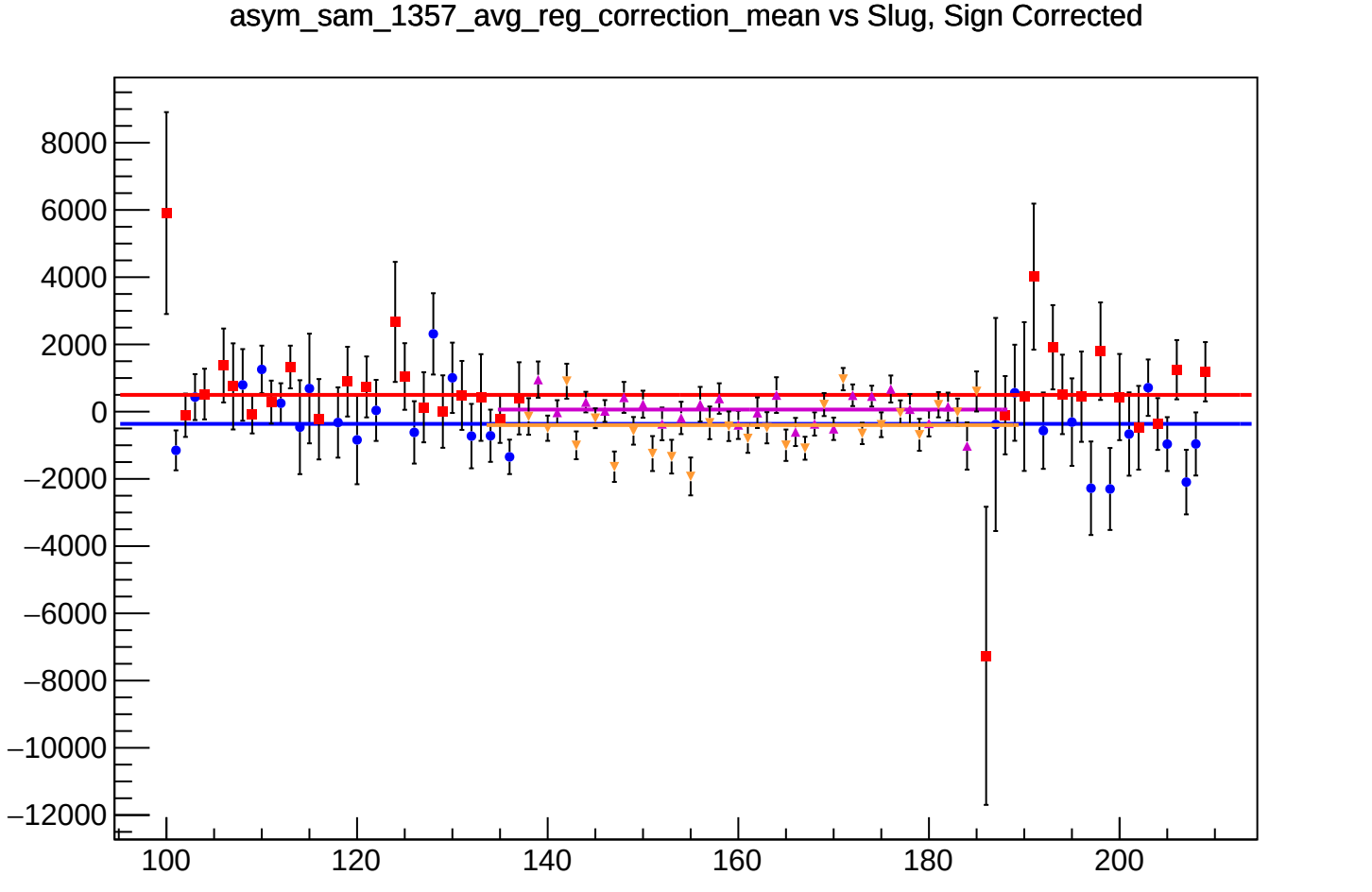
Left: 50.258+/-0.006 χ^2/NDF: 1014266.6/47

Right: 64.201+/-0.009 χ^2/NDF: 11446098.2/58

In: 54.747+/-0.007 χ^2/NDF:6258290.7/49

Out: 54.350+/-0.007 χ^2/NDF:7944547.9/56

All: 54.542+/-0.005 χ^2/NDF: 14204497.7/106



Right In: -363.337+/-175.145 χ^2/NDF: 32.9/26

Left Out: -399.363+/-82.064 χ^2/NDF:65.4/24

Right Out: 498.837+/-173.697 χ^2/NDF: 22.6/31

Left In: 62.038+/-83.892 χ^2/NDF:23.9/22

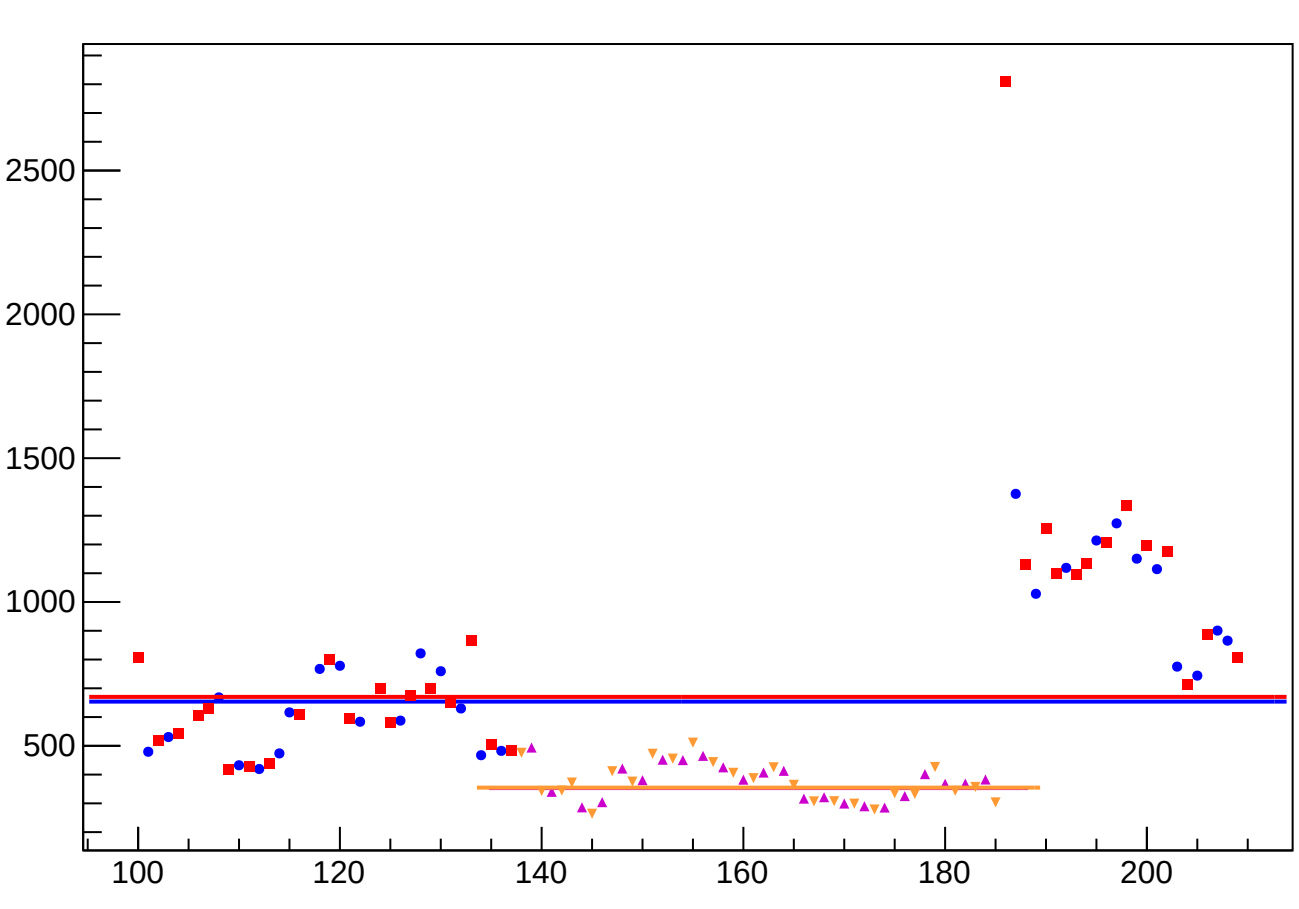
Left: -173.746+/-58.664 χ^2/NDF: 104.8/47

Right: 71.328+/-123.331 χ^2/NDF: 67.7/58

In: -17.343+/-75.661 χ^2/NDF:61.6/49

Out: -235.460+/-74.199 χ^2/NDF:109.9/56

All: -128.528+/-52.976 χ^2/NDF: 175.7/106



Right In: 653.752+/-0.124 χ^2/NDF: 3494782.7/26

Left Out: 354.670+/-0.058 χ^2/NDF:1145465.6/24

Right Out: 670.156+/-0.123 χ^2/NDF: 4533850.9/31

Left In: 353.110+/-0.059 χ^2/NDF:1004127.0/22

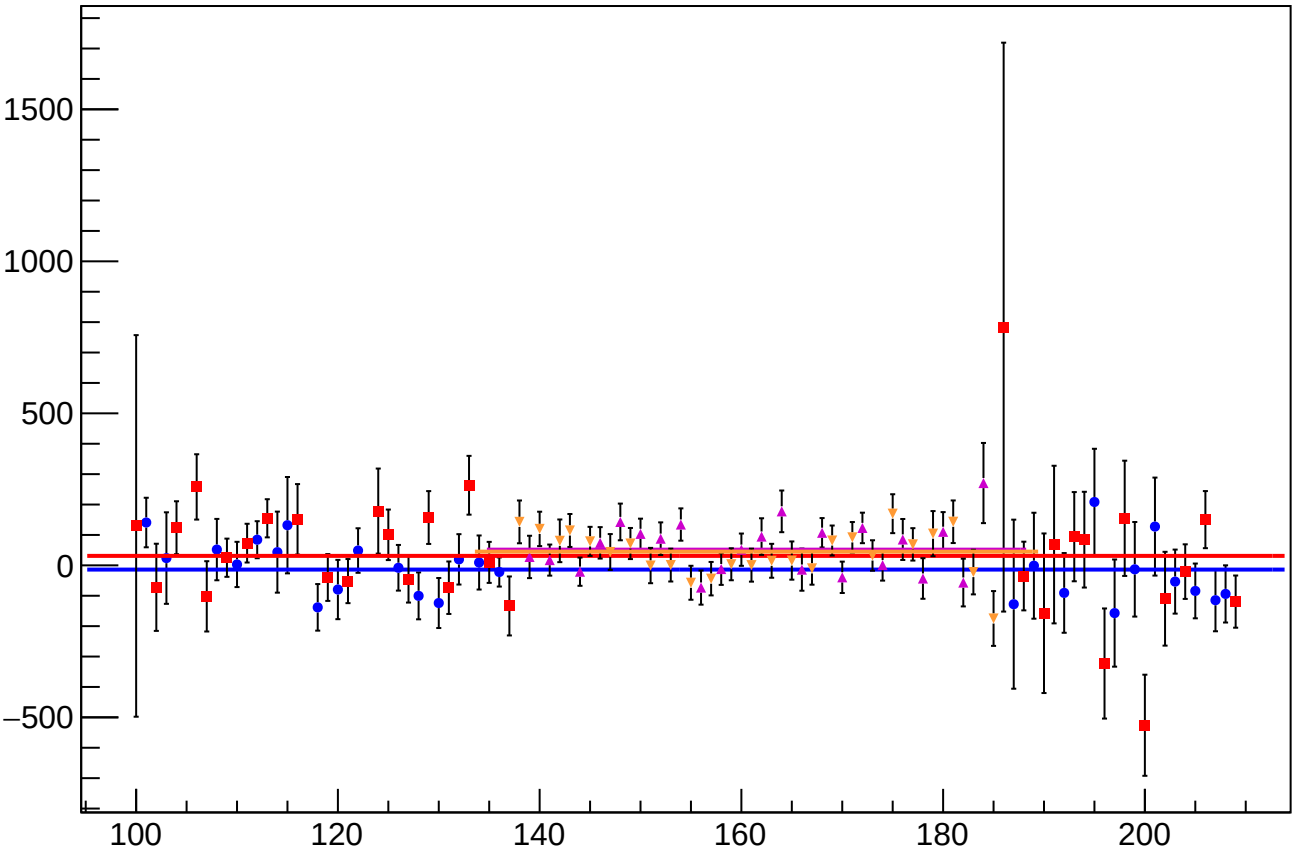
Left: 353.907+/-0.041 χ^2/NDF: 2149946.0/47

Right: 662.022+/-0.087 χ^2/NDF: 8037478.3/58

In: 409.214+/-0.054 χ^2/NDF:9292170.3/49

Out: 412.240+/-0.052 χ^2/NDF:11073222.9/56

All: 410.756+/-0.037 χ^2/NDF: 20367023.4/10



Right In: -13.927+/-17.755 χ^2/NDF: 20.9/26

Left Out: 45.096+/-11.495 χ^2/NDF:31.3/24

Right Out: 31.142+/-17.401 χ^2/NDF: 53.3/31

Left In: 51.616+/-11.929 χ^2/NDF:35.8/22

Left: 48.235+/-8.277 χ^2/NDF: 67.3/47

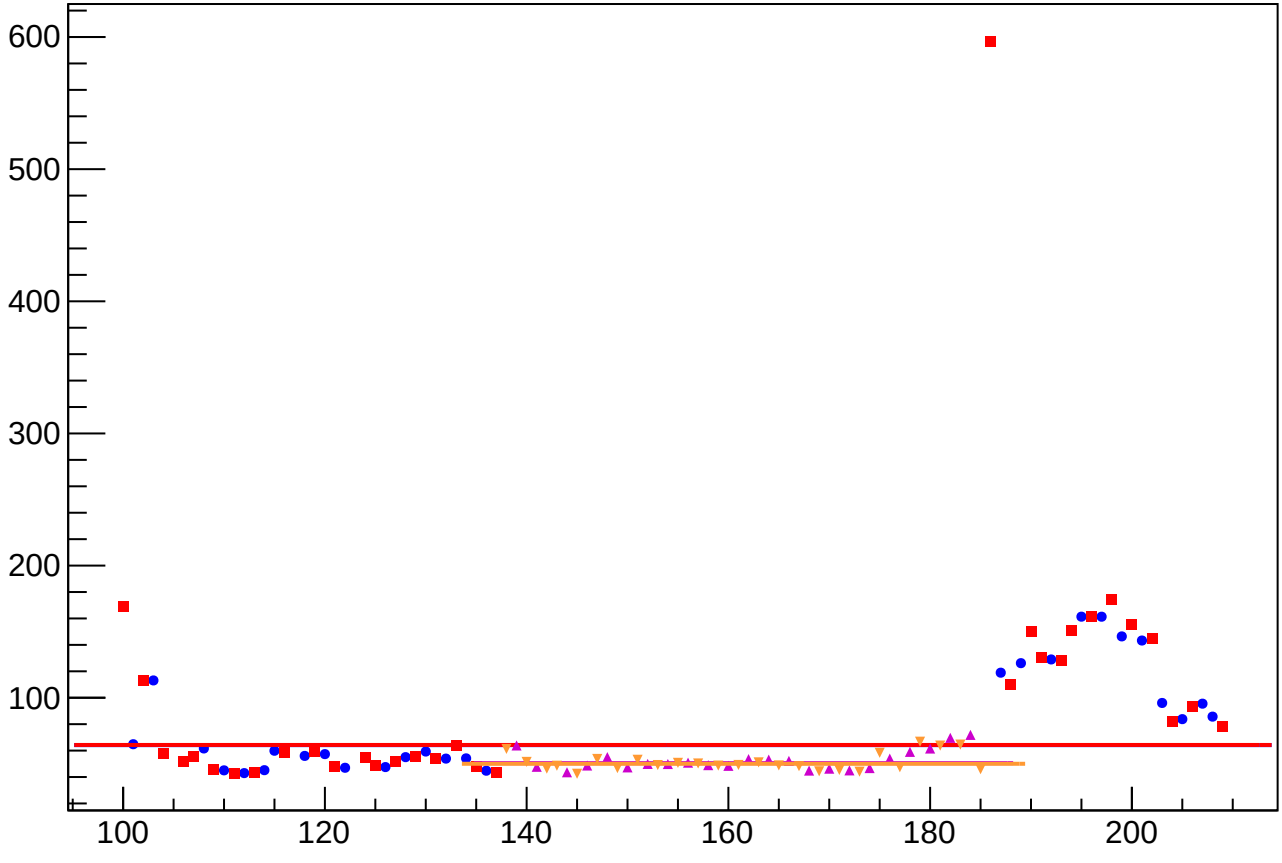
Right: 9.062+/-12.428 χ^2/NDF: 77.5/58

In: 31.232+/-9.902 χ^2/NDF:66.1/49

Out: 40.857+/-9.591 χ^2/NDF:85.1/56

All: 36.198+/-6.889 χ^2/NDF: 151.7/106

cor_asym_sam_1357_avg_rms vs Slug, Sign Corrected



Right In: 64.129+/-0.013 χ^2/NDF: 4944317.5/26

Left Out: 50.021+/-0.008 χ^2/NDF:509100.0/24

Right Out: 64.263+/-0.012 χ^2/NDF: 6503257.0/31

Left In: 50.512+/-0.008 χ^2/NDF:503409.2/22

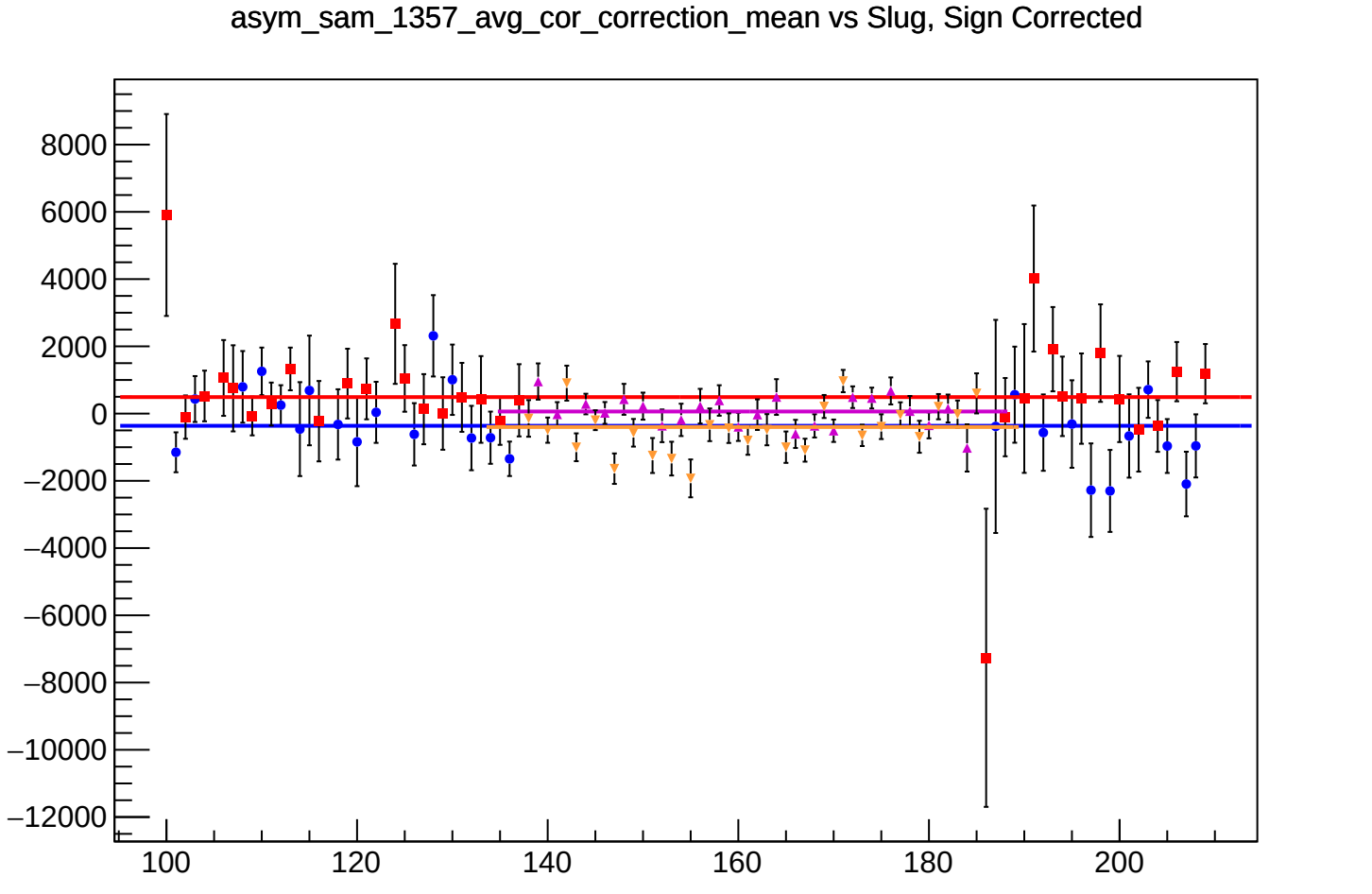
Left: 50.258+/-0.006 χ^2/NDF: 1014266.6/47

Right: 64.197+/-0.009 χ^2/NDF: 11447632.0/58

In: 54.747+/-0.007 χ^2/NDF:6258293.0/49

Out: 54.348+/-0.007 χ^2/NDF:7945065.7/56

All: 54.541+/-0.005 χ^2/NDF: 14205038.2/106



Right In: -363.324+/-175.146 χ^2/NDF: 32.9/26

Left Out: -399.358+/-82.064 χ^2/NDF:65.4/24

Right Out: 490.660+/-173.817 χ^2/NDF: 22.2/31

Left In: 62.038+/-83.892 χ^2/NDF:23.9/22

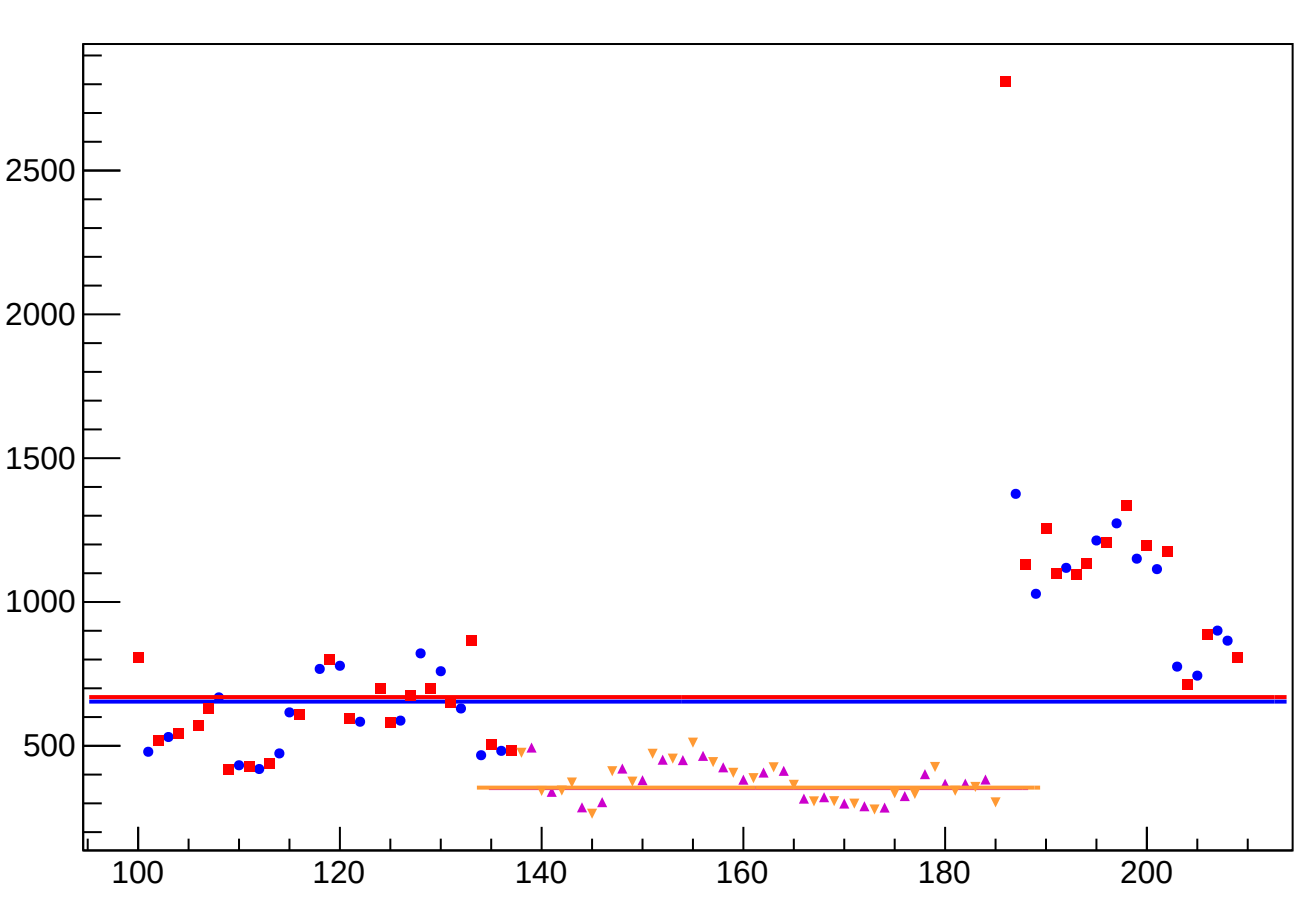
Left: -173.744+/-58.664 χ^2/NDF: 104.8/47

Right: 66.922+/-123.374 χ^2/NDF: 67.1/58

In: -17.340+/-75.661 χ^2/NDF:61.6/49

Out: -237.131+/-74.209 χ^2/NDF:109.1/56

All: -129.365+/-52.979 χ^2/NDF: 174.9/106



Right In: 653.758+/-0.124 χ^2/NDF: 3494709.6/26

Left Out: 354.670+/-0.058 χ^2/NDF:1145468.3/24

Right Out: 669.448+/-0.123 χ^2/NDF: 4541688.3/31

Left In: 353.110+/-0.059 χ^2/NDF:1004126.9/22

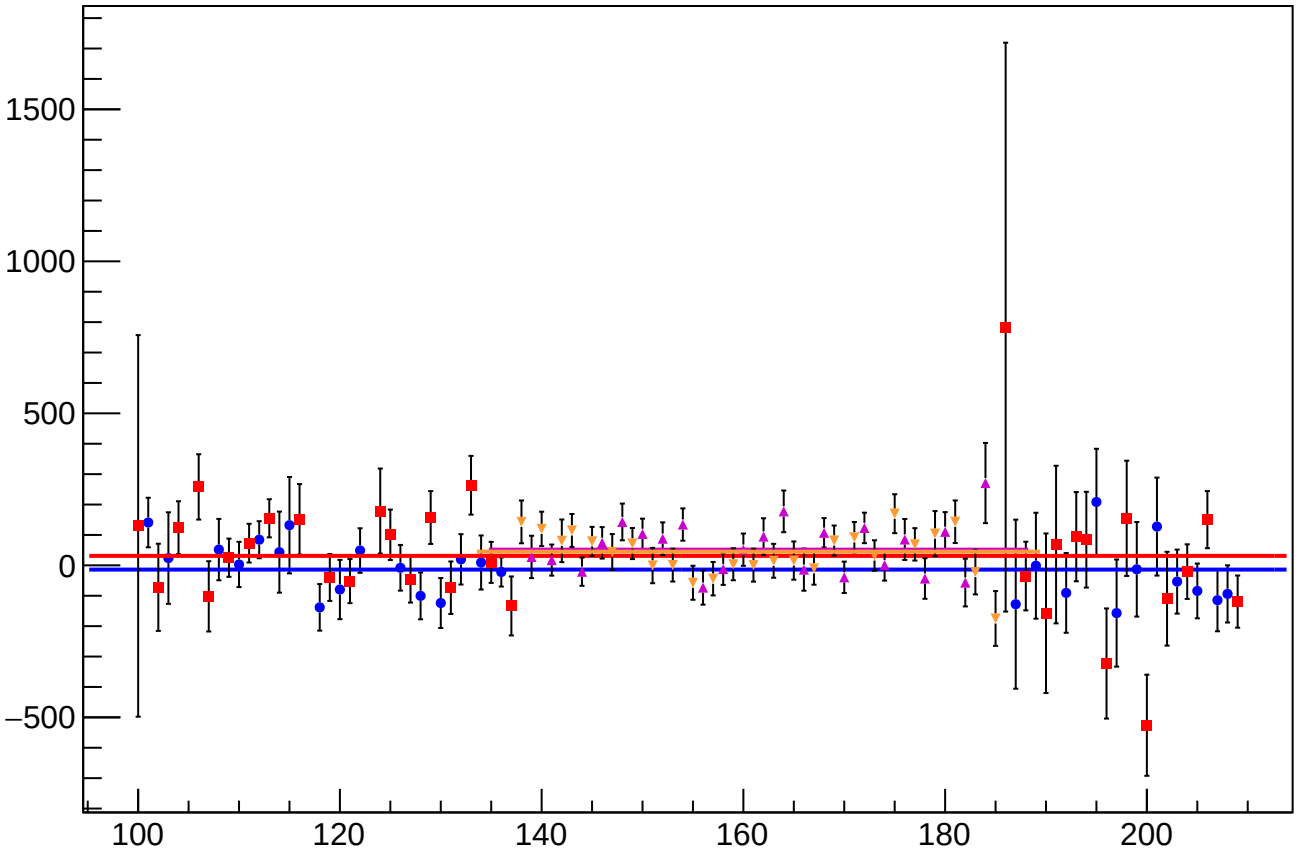
Left: 353.907+/-0.041 χ^2/NDF: 2149948.5/47

Right: 661.663+/-0.087 χ^2/NDF: 8044484.5/58

In: 409.214+/-0.054 χ^2/NDF:9292216.9/49

Out: 412.046+/-0.052 χ^2/NDF:11050870.3/56

All: 410.658+/-0.037 χ^2/NDF: 20344514.8/10



Right In: -13.927+/-17.755 χ^2/NDF: 20.9/26

Left Out: 45.096+/-11.495 χ^2/NDF:31.3/24

Right Out: 31.142+/-17.401 χ^2/NDF: 53.3/31

Left In: 51.616+/-11.929 χ^2/NDF:35.8/22

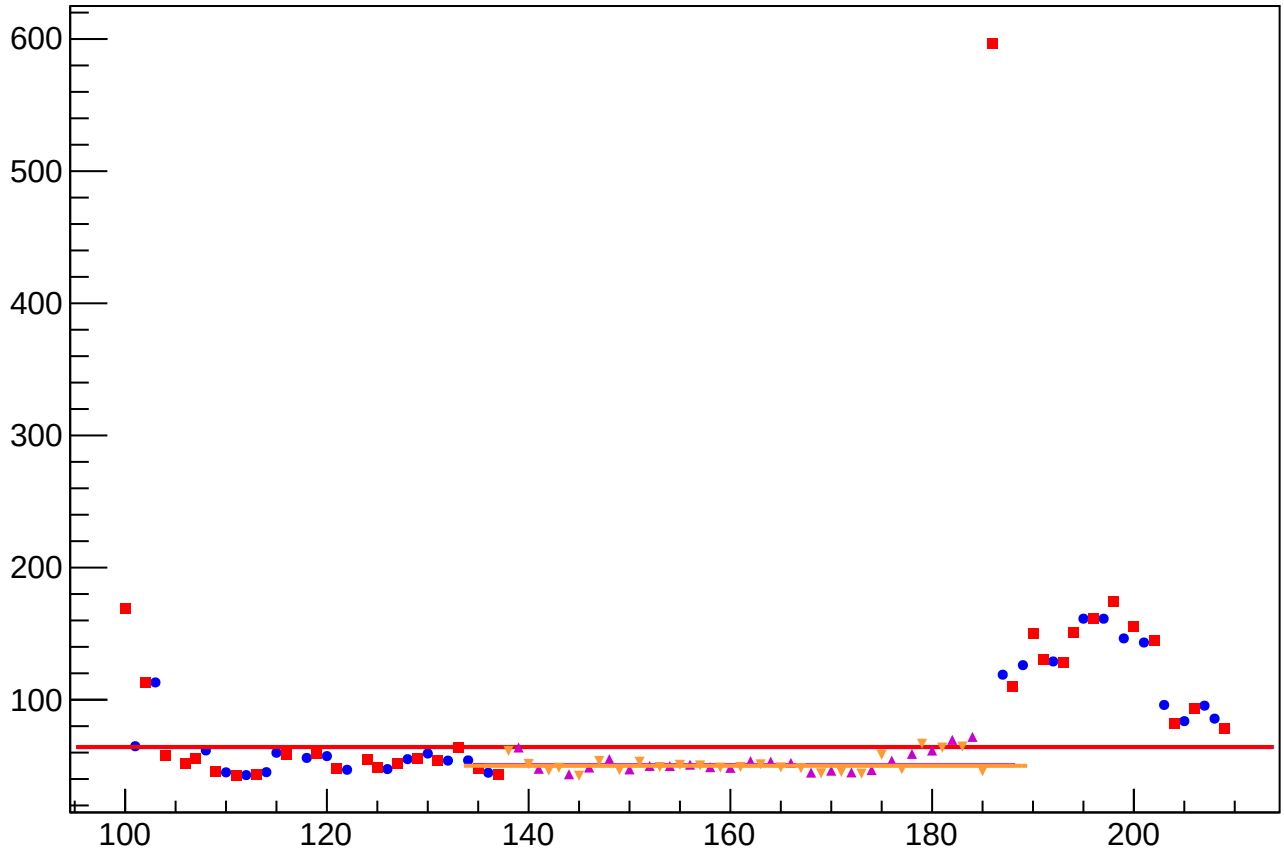
Left: 48.235+/-8.277 χ^2/NDF: 67.3/47

Right: 9.062+/-12.428 χ^2/NDF: 77.5/58

In: 31.232+/-9.902 χ^2/NDF:66.1/49

Out: 40.857+/-9.591 χ^2/NDF:85.1/56

All: 36.198+/-6.889 χ^2/NDF: 151.7/106



Right In: 64.129+/-0.013 χ^2/NDF: 4944317.5/26

Left Out: 50.021+/-0.008 χ^2/NDF:509100.0/24

Right Out: 64.263+/-0.012 χ^2/NDF: 6503257.0/31

Left In: 50.512+/-0.008 χ^2/NDF:503409.2/22

Left: 50.258+/-0.006 χ^2/NDF: 1014266.6/47

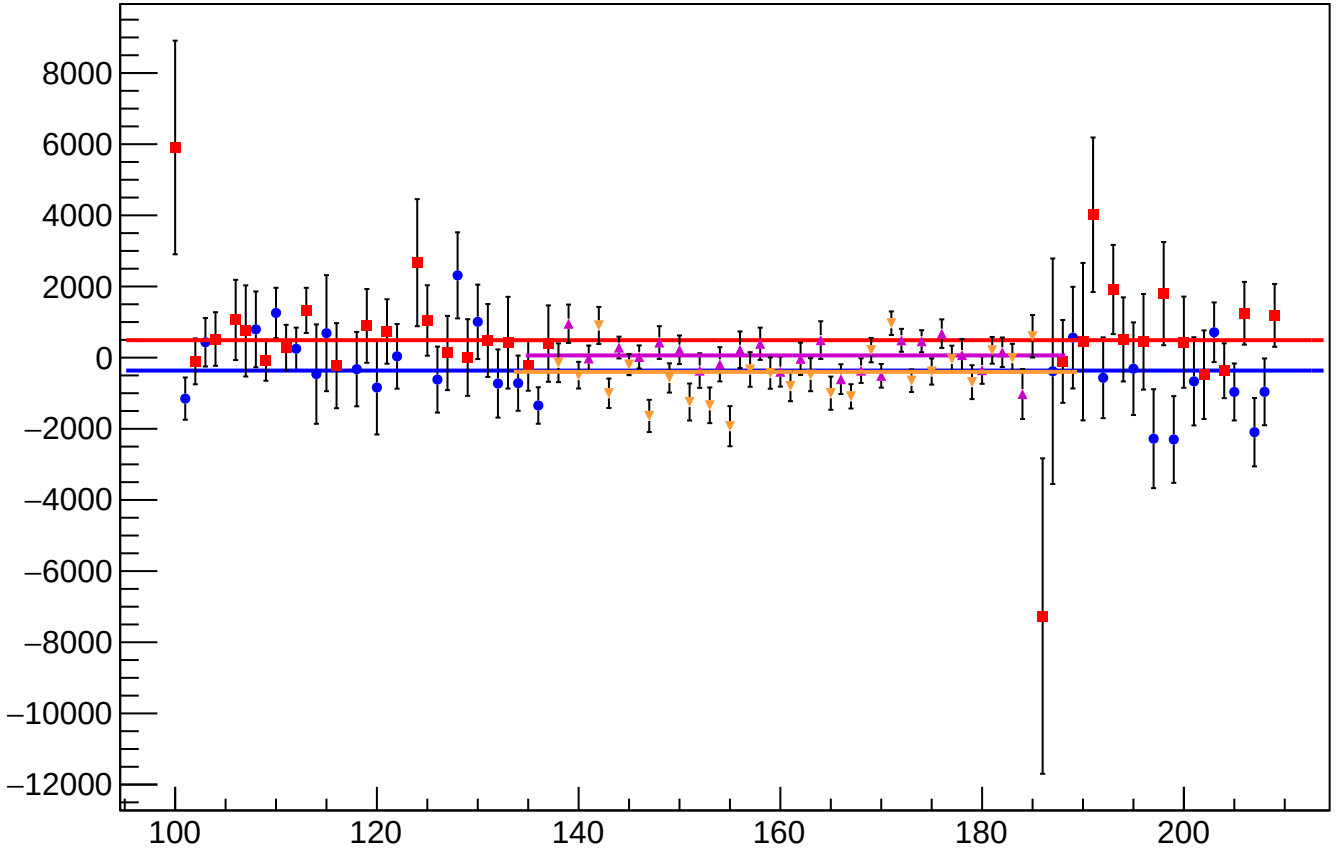
Right: 64.197+/-0.009 χ^2/NDF: 11447632.0/58

In: 54.747+/-0.007 χ^2/NDF:6258293.0/49

Out: 54.348+/-0.007 χ^2/NDF:7945065.7/56

All: 54.541+/-0.005 χ^2/NDF: 14205038.2/106

asym_sam_1357_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -363.324+/-175.146 χ^2/NDF: 32.9/26

Left Out: -399.358+/-82.064 χ^2/NDF:65.4/24

Right Out: 490.660+/-173.817 χ^2/NDF: 22.2/31

Left In: 62.038+/-83.892 χ^2/NDF:23.9/22

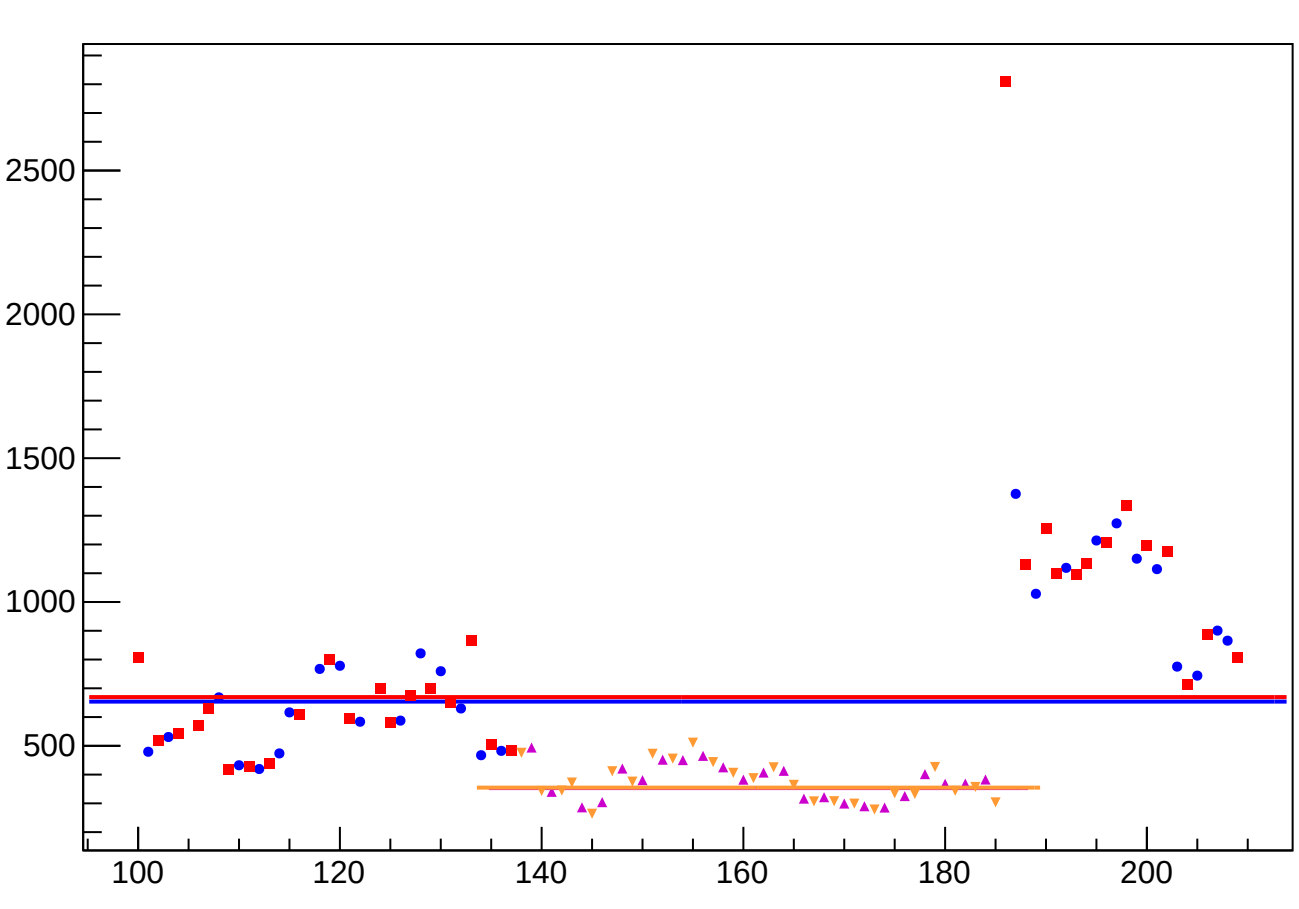
Left: -173.744+/-58.664 χ^2/NDF: 104.8/47

Right: 66.922+/-123.374 χ^2/NDF: 67.1/58

In: -17.340+/-75.661 χ^2/NDF:61.6/49

Out: -237.131+/-74.209 χ^2/NDF:109.1/56

All: -129.365+/-52.979 χ^2/NDF: 174.9/106



Right In: 653.758+/-0.124 χ^2/NDF: 3494709.6/26

Left Out: 354.670+/-0.058 χ^2/NDF:1145468.3/24

Right Out: 669.448+/-0.123 χ^2/NDF: 4541688.3/31

Left In: 353.110+/-0.059 χ^2/NDF:1004126.9/22

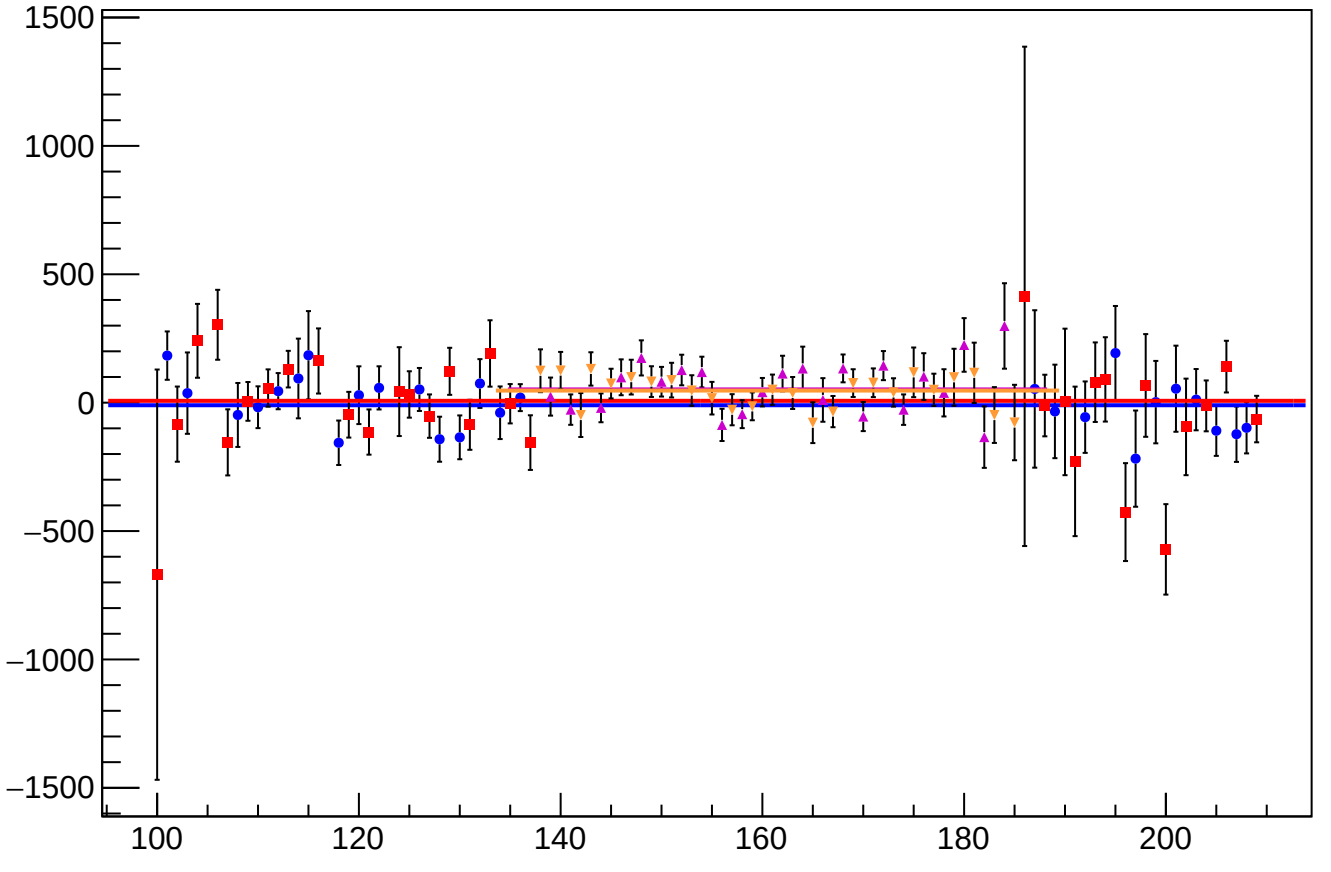
Left: 353.907+/-0.041 χ^2/NDF: 2149948.5/47

Right: 661.663+/-0.087 χ^2/NDF: 8044484.5/58

In: 409.214+/-0.054 χ^2/NDF:9292216.9/49

Out: 412.046+/-0.052 χ^2/NDF:11050870.3/56

All: 410.658+/-0.037 χ^2/NDF: 20344514.8/10



Right In: -10.008+/-19.745 χ^2/NDF: 22.2/26

Left Out: 47.151+/-13.511 χ^2/NDF:17.0/24

Right Out: 7.228+/-19.850 χ^2/NDF: 44.9/31

Left In: 51.652+/-13.934 χ^2/NDF:38.2/22

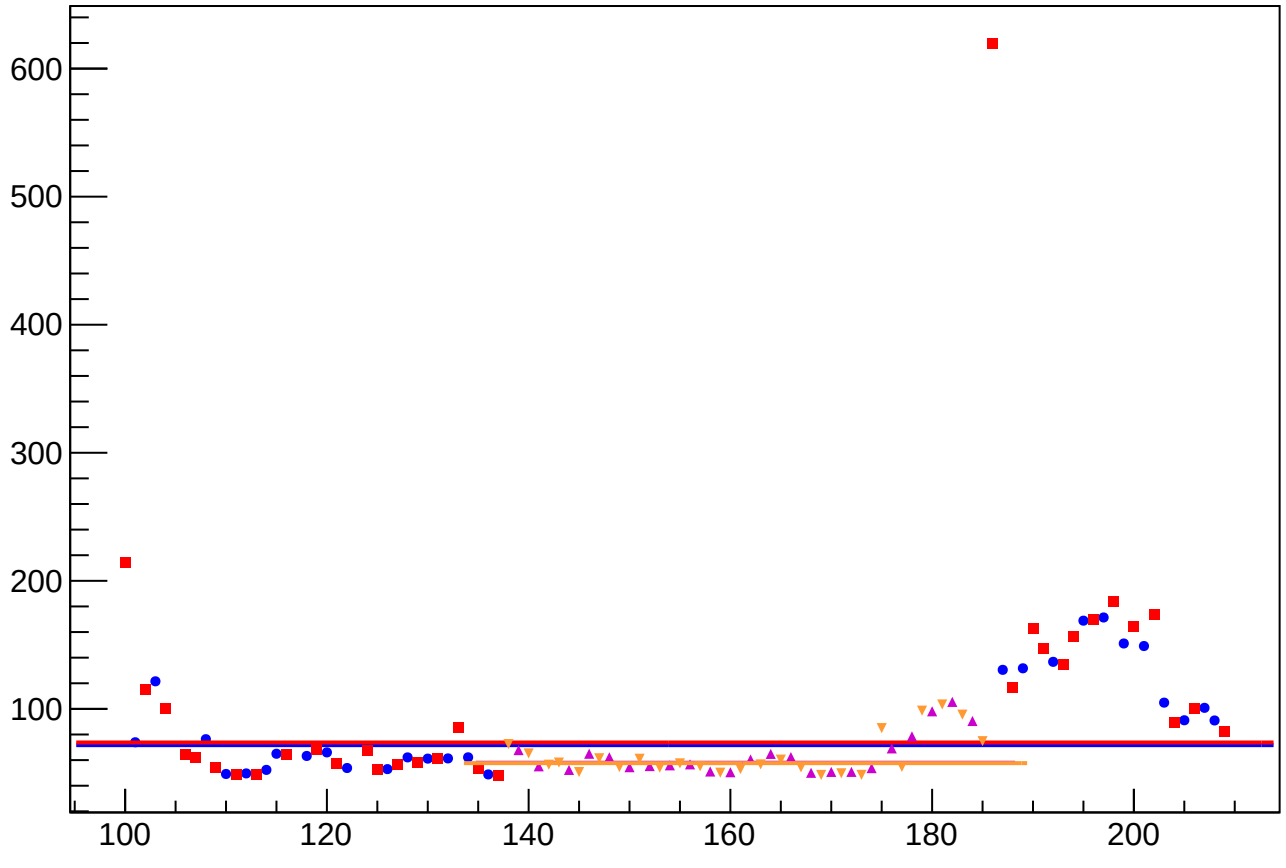
Left: 49.332+/-9.700 χ^2/NDF: 55.2/47

Right: -1.436+/-13.999 χ^2/NDF: 67.5/58

In: 31.154+/-11.384 χ^2/NDF:66.9/49

Out: 34.510+/-11.169 χ^2/NDF:64.6/56

All: 32.864+/-7.973 χ^2/NDF: 131.6/106



Right In: 71.688+/-0.014 χ^2/NDF: 4501087.2/26

Left Out: 57.631+/-0.010 χ^2/NDF:1365448.6/24

Right Out: 73.764+/-0.014 χ^2/NDF: 6013508.9/31

Left In: 57.940+/-0.010 χ^2/NDF:1124523.3/22

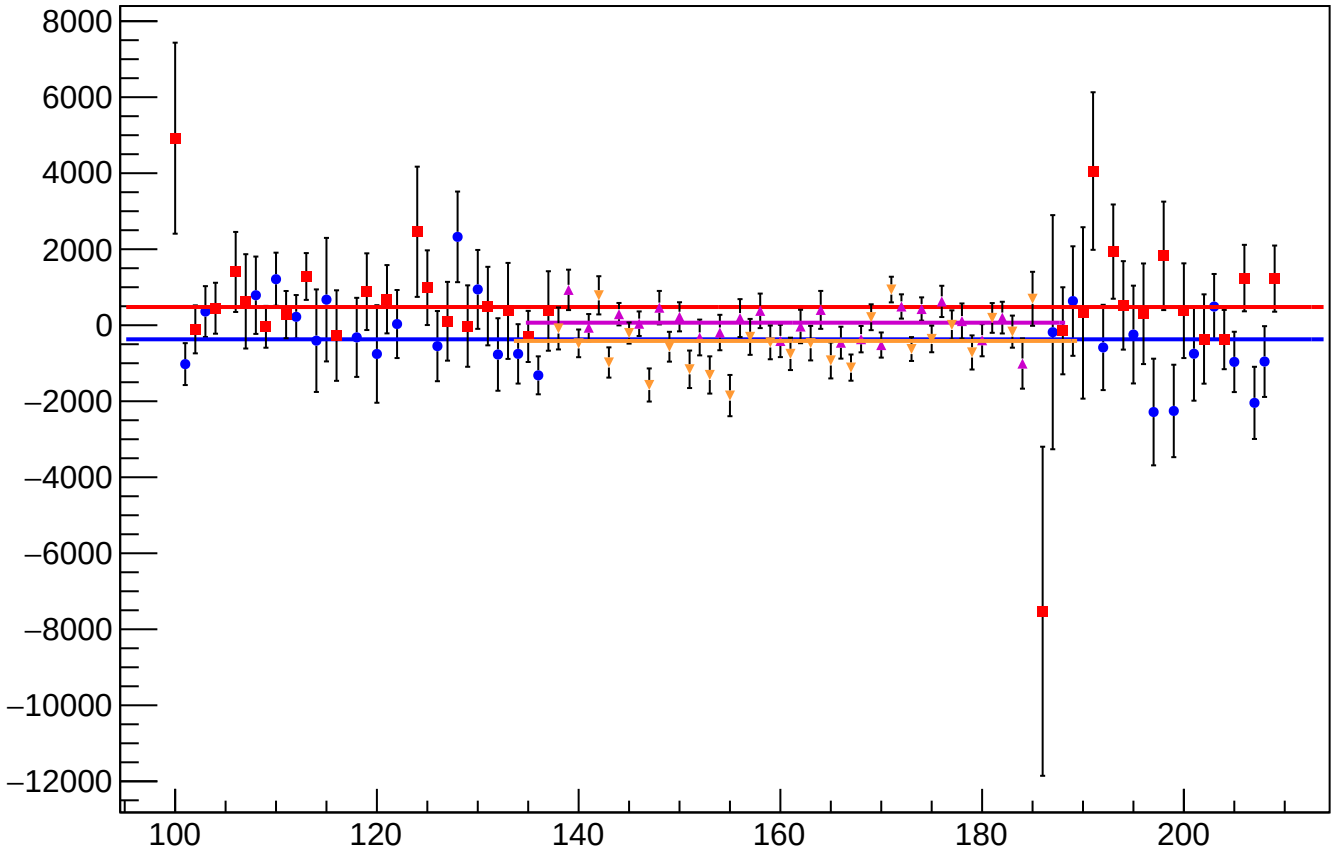
Left: 57.781+/-0.007 χ^2/NDF: 2490479.3/47

Right: 72.720+/-0.010 χ^2/NDF: 10525594.1/58

In: 62.510+/-0.008 χ^2/NDF:6272856.6/49

Out: 62.739+/-0.008 χ^2/NDF:8281791.0/56

All: 62.627+/-0.006 χ^2/NDF: 14555058.9/106



Right In: -370.565+/-171.787 χ^2/NDF: 31.5/26

Left Out: -413.053+/-81.134 χ^2/NDF:61.3/24

Right Out: 479.027+/-168.785 χ^2/NDF: 23.6/31

Left In: 66.637+/-83.082 χ^2/NDF:22.9/22

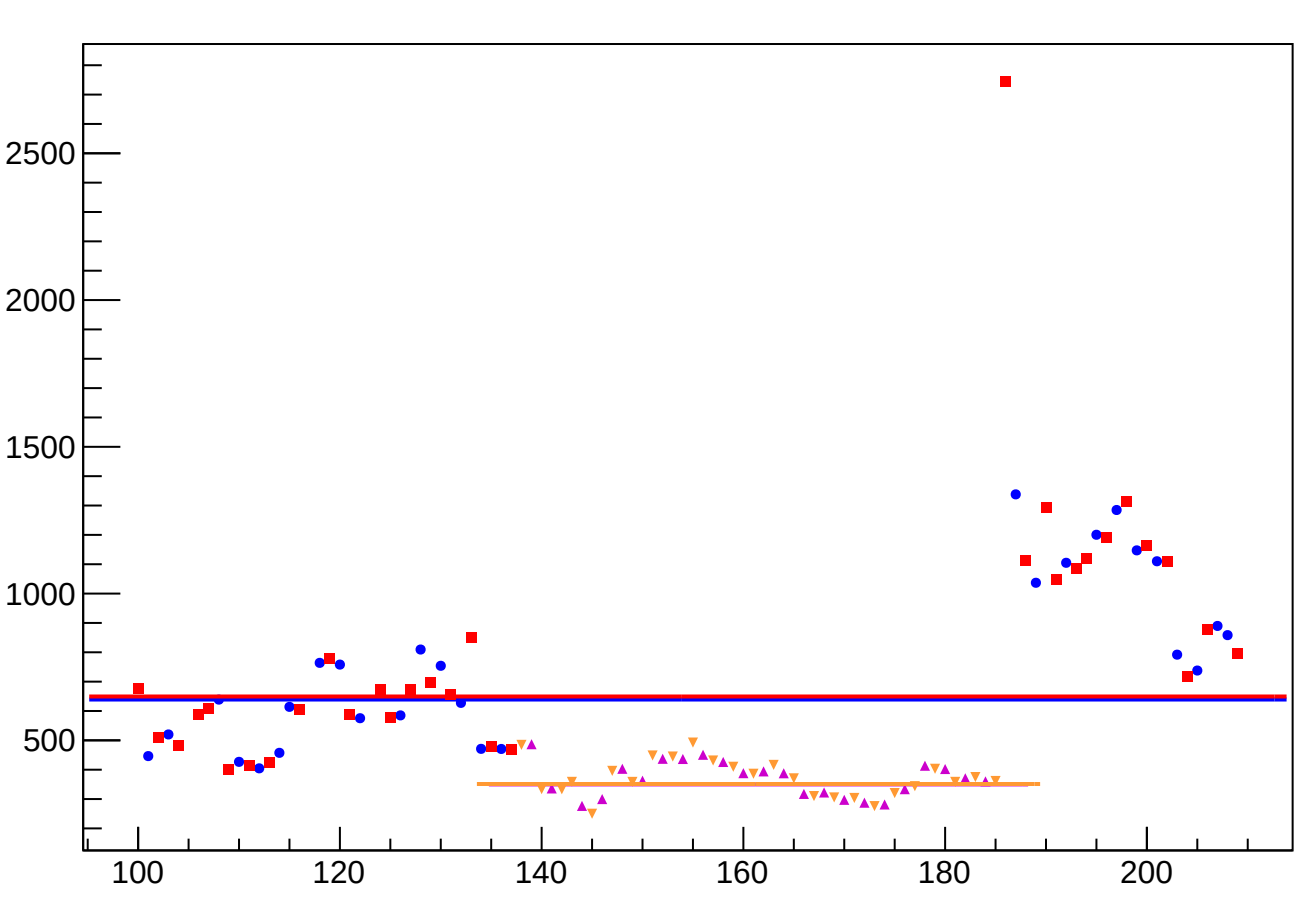
Left: -178.896+/-58.047 χ^2/NDF: 101.3/47

Right: 61.717+/-120.396 χ^2/NDF: 67.6/58

In: -16.240+/-74.794 χ^2/NDF:59.7/49

Out: -245.612+/-73.125 χ^2/NDF:107.6/56

All: -133.514+/-52.287 χ^2/NDF: 172.1/106



Right In: 639.061+/-0.121 χ^2/NDF: 3702835.3/26

Left Out: 351.264+/-0.057 χ^2/NDF:1118247.7/24

Right Out: 649.400+/-0.119 χ^2/NDF: 4725700.2/31

Left In: 349.813+/-0.059 χ^2/NDF:990366.6/22

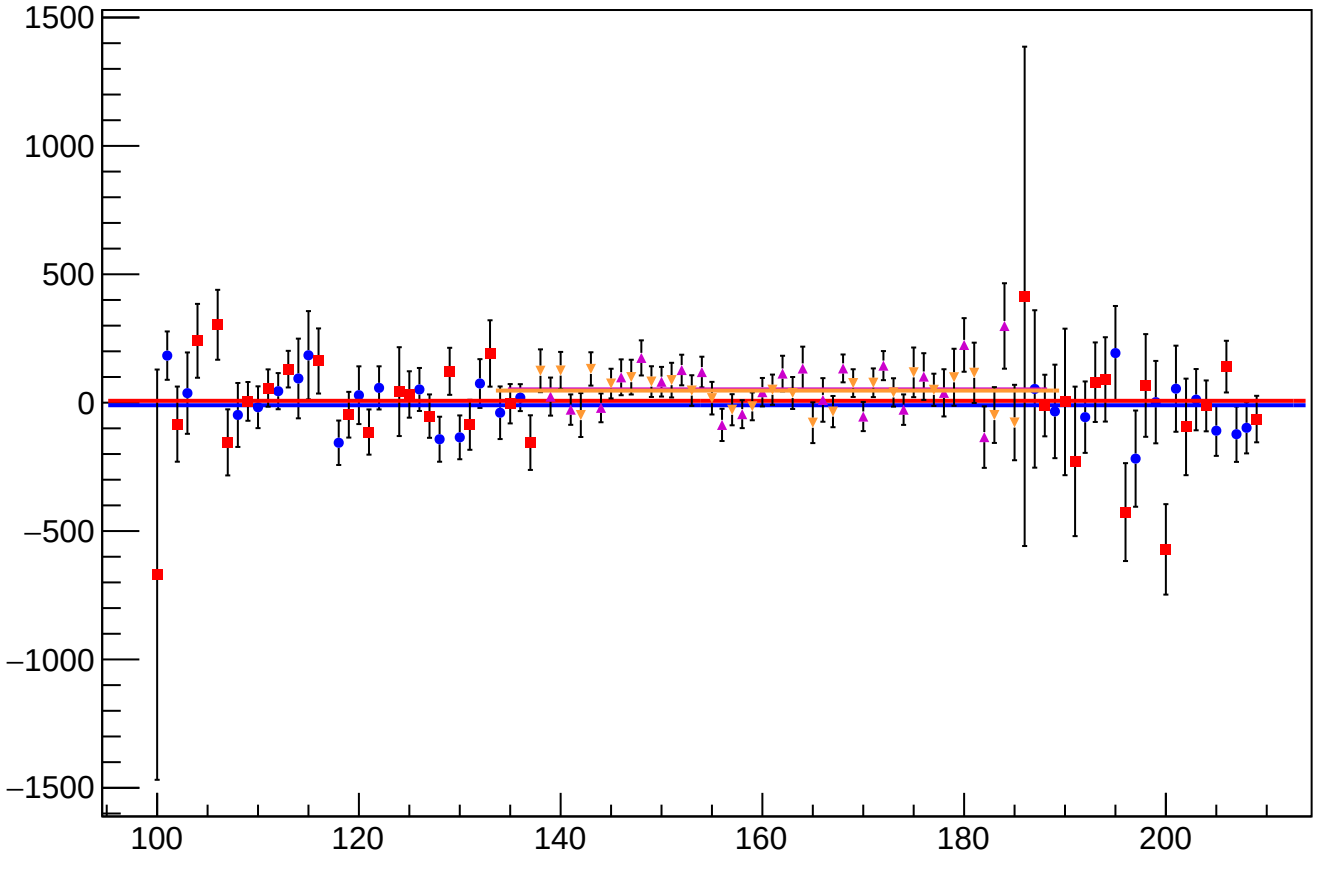
Left: 350.556+/-0.041 χ^2/NDF: 2108926.7/47

Right: 644.322+/-0.085 χ^2/NDF: 8432221.8/58

In: 404.644+/-0.053 χ^2/NDF:9288487.4/49

Out: 407.223+/-0.052 χ^2/NDF:10912779.0/56

All: 405.963+/-0.037 χ^2/NDF: 20202483.0/10



Right In: -10.008+/-19.745 χ^2/NDF: 22.2/26

Left Out: 47.151+/-13.511 χ^2/NDF:17.0/24

Right Out: 7.227+/-19.850 χ^2/NDF: 44.9/31

Left In: 51.651+/-13.934 χ^2/NDF:38.2/22

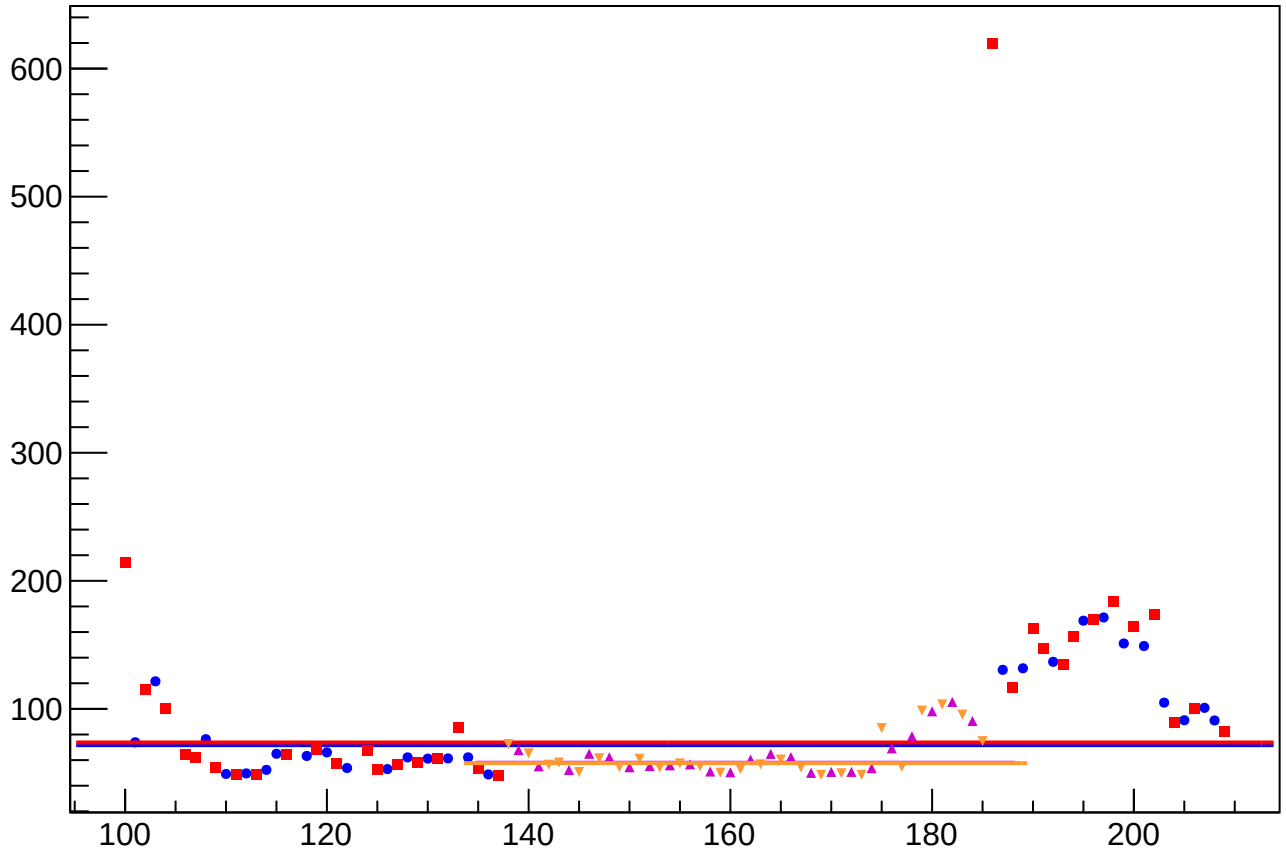
Left: 49.332+/-9.700 χ^2/NDF: 55.2/47

Right: -1.436+/-13.999 χ^2/NDF: 67.5/58

In: 31.153+/-11.384 χ^2/NDF:66.9/49

Out: 34.510+/-11.169 χ^2/NDF:64.6/56

All: 32.864+/-7.973 χ^2/NDF: 131.6/106



Right In: 71.688+/-0.014 χ^2/NDF: 4501065.3/26

Left Out: 57.631+/-0.010 χ^2/NDF:1365443.1/24

Right Out: 73.764+/-0.014 χ^2/NDF: 6013495.2/31

Left In: 57.940+/-0.010 χ^2/NDF:1124509.8/22

Left: 57.781+/-0.007 χ^2/NDF: 2490460.5/47

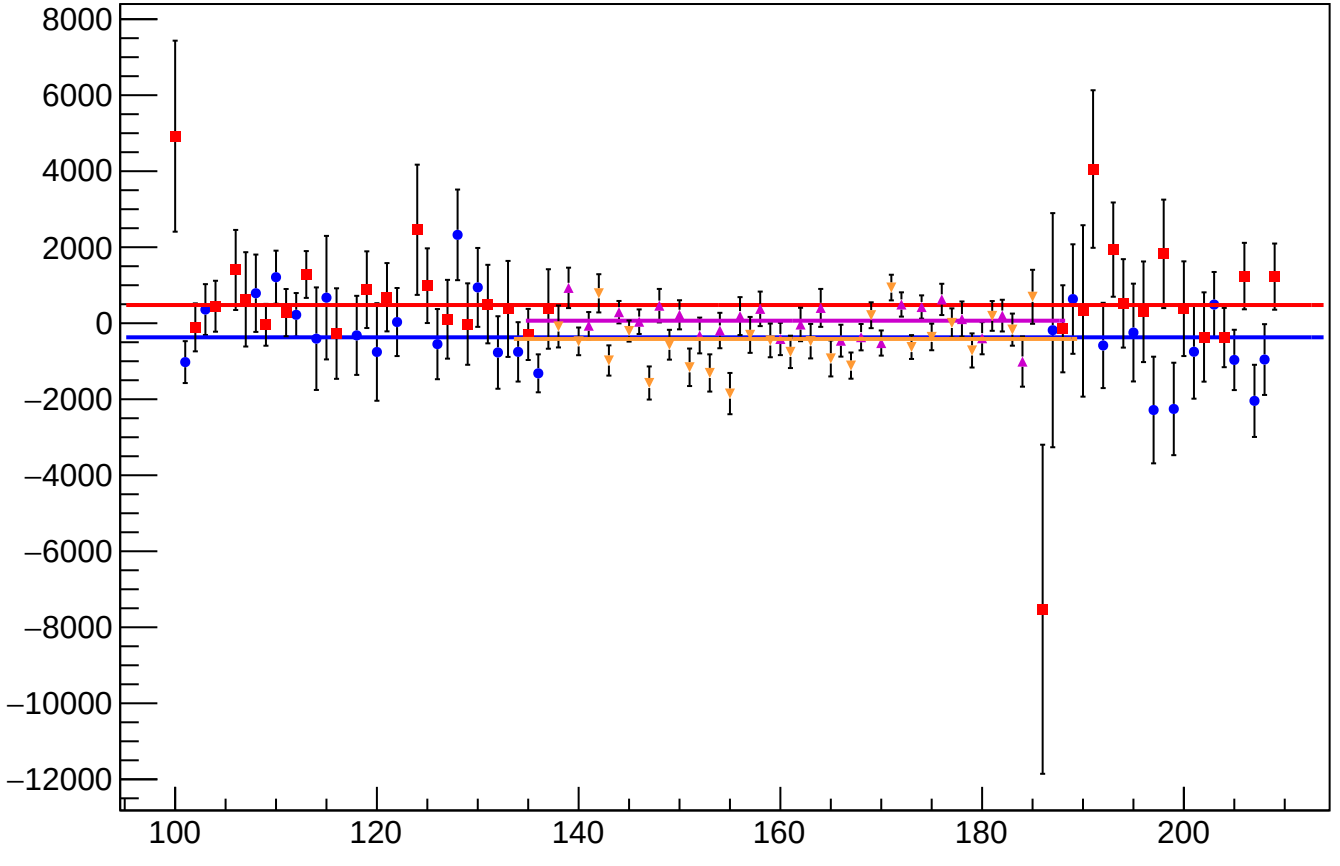
Right: 72.720+/-0.010 χ^2/NDF: 10525558.9/58

In: 62.510+/-0.008 χ^2/NDF:6272817.5/49

Out: 62.739+/-0.008 χ^2/NDF:8281773.1/56

All: 62.627+/-0.006 χ^2/NDF: 14555001.9/106

asym_sam_1357_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -370.565+/-171.786 χ^2/NDF: 31.5/26

Left Out: -413.053+/-81.134 χ^2/NDF:61.3/24

Right Out: 479.026+/-168.785 χ^2/NDF: 23.6/31

Left In: 66.637+/-83.082 χ^2/NDF:22.9/22

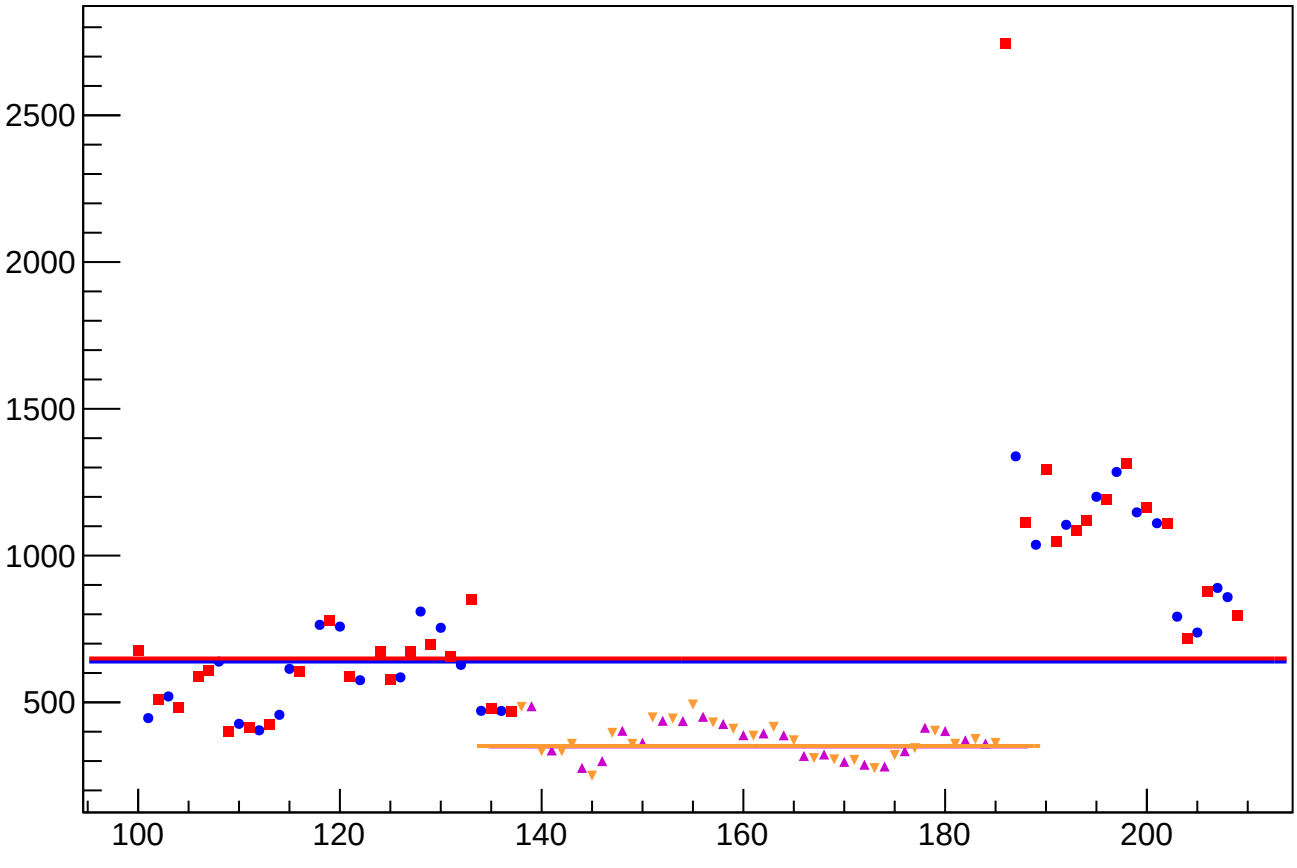
Left: -178.896+/-58.047 χ^2/NDF: 101.3/47

Right: 61.717+/-120.396 χ^2/NDF: 67.6/58

In: -16.241+/-74.794 χ^2/NDF:59.7/49

Out: -245.612+/-73.125 χ^2/NDF:107.6/56

All: -133.514+/-52.287 χ^2/NDF: 172.1/106



Right In: 639.060+/-0.121 χ^2/NDF: 3702844.9/26

Left Out: 351.264+/-0.057 χ^2/NDF:1118243.1/24

Right Out: 649.399+/-0.119 χ^2/NDF: 4725706.3/31

Left In: 349.813+/-0.059 χ^2/NDF:990359.9/22

Left: 350.555+/-0.041 χ^2/NDF: 2108915.4/47

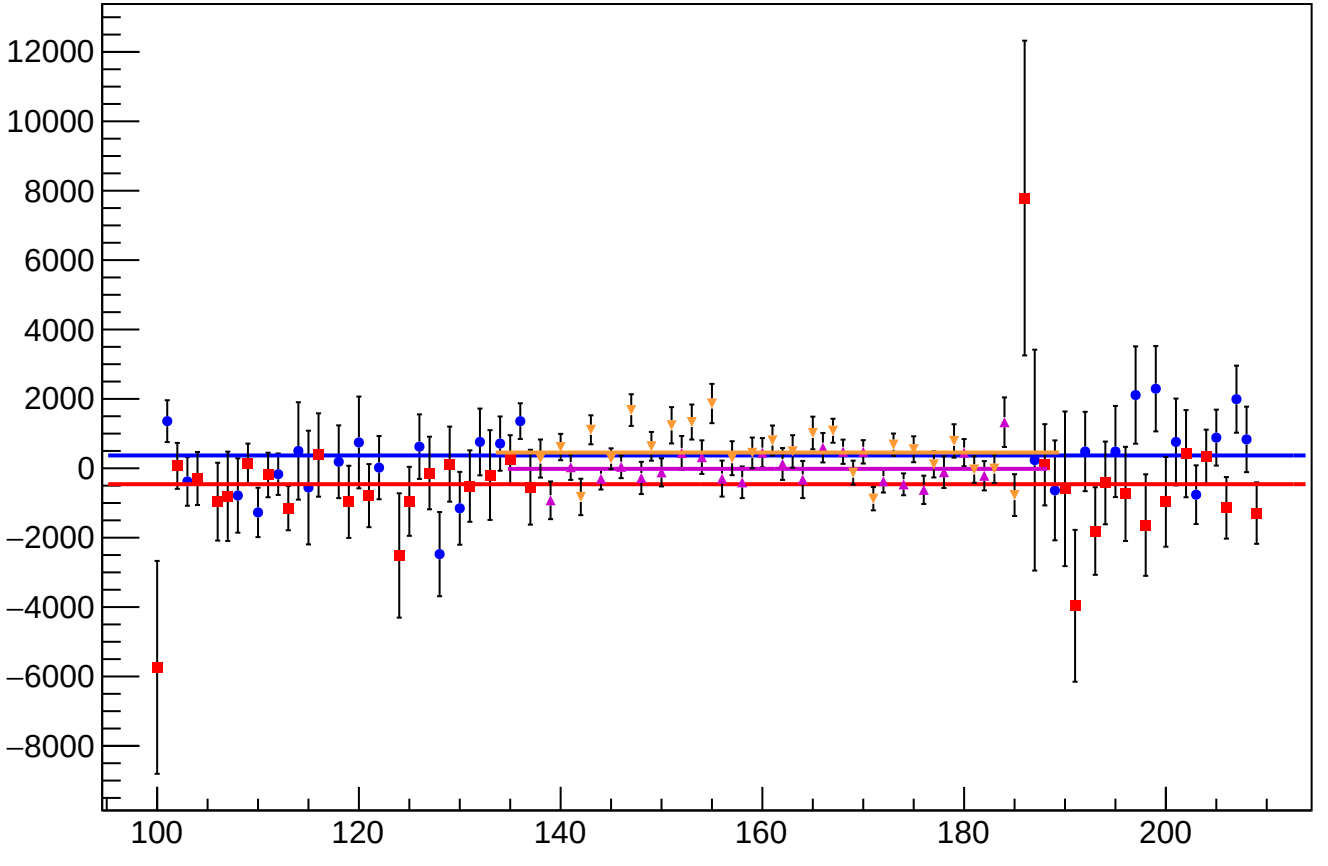
Right: 644.321+/-0.085 χ^2/NDF: 8432237.4/58

In: 404.643+/-0.053 χ^2/NDF:9288472.4/49

Out: 407.223+/-0.052 χ^2/NDF:10912767.2/56

All: 405.962+/-0.037 χ^2/NDF: 20202456.1/10

asym_sam_1357_avg_mean vs Slug, Sign Corrected



Right In: 369.767+/-176.535 χ^2/NDF: 33.3/26

Left Out: 455.234+/-82.961 χ^2/NDF:60.8/24

Right Out: -458.828+/-175.070 χ^2/NDF: 21.2/31

Left In: -16.073+/-84.830 χ^2/NDF:24.9/22

Left: 224.832+/-59.312 χ^2/NDF: 101.5/47

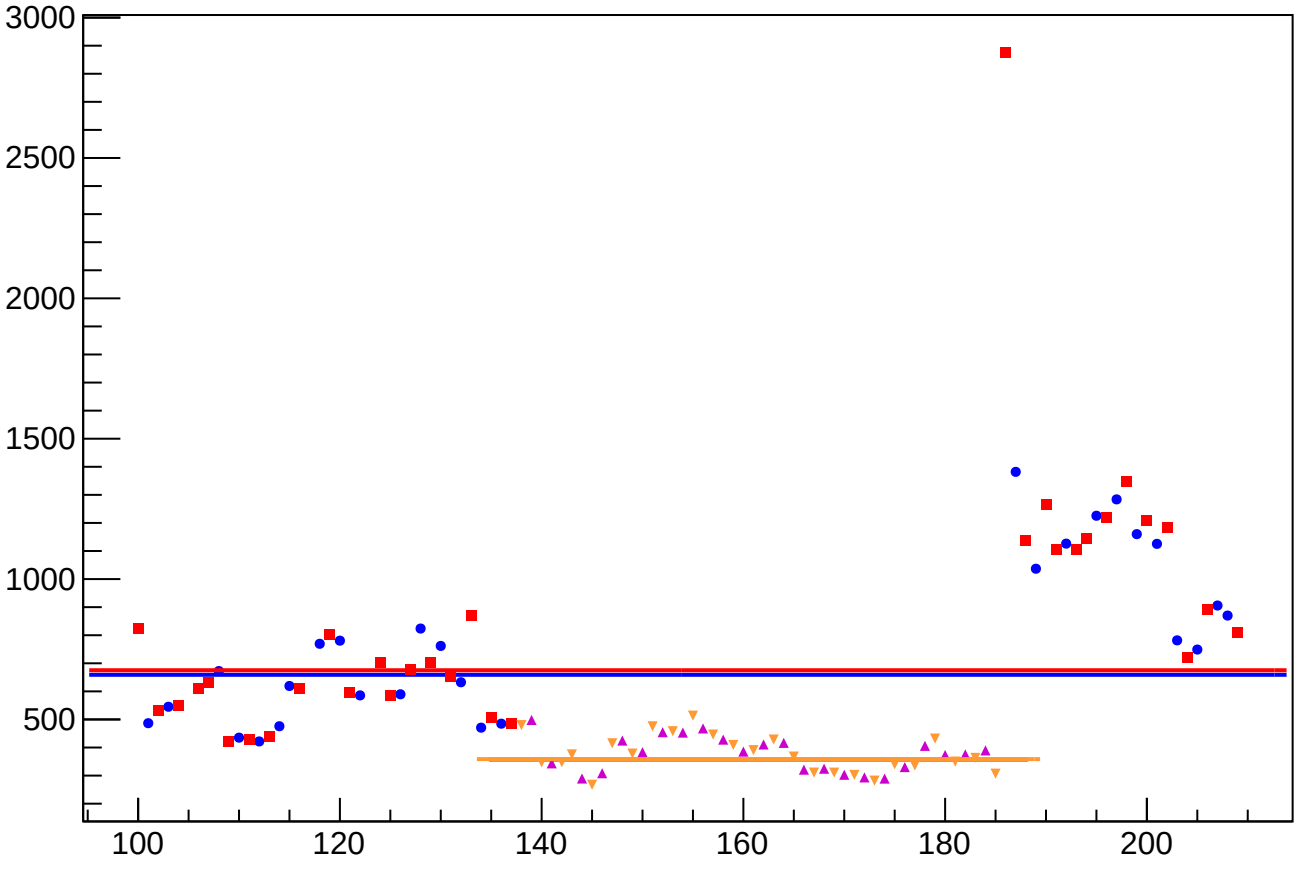
Right: -47.983+/-124.308 χ^2/NDF: 65.6/58

In: 56.308+/-76.461 χ^2/NDF:62.0/49

Out: 287.617+/-74.969 χ^2/NDF:104.3/56

All: 174.241+/-53.531 χ^2/NDF: 171.0/106

asym_sam_1357_avg_rms vs Slug, Sign Corrected



Right In: 659.070+/-0.125 χ^2/NDF: 3481282.1/26

Left Out: 358.677+/-0.059 χ^2/NDF:1119535.1/24

Right Out: 675.300+/-0.124 χ^2/NDF: 4530699.2/31

Left In: 357.182+/-0.060 χ^2/NDF:981641.8/22

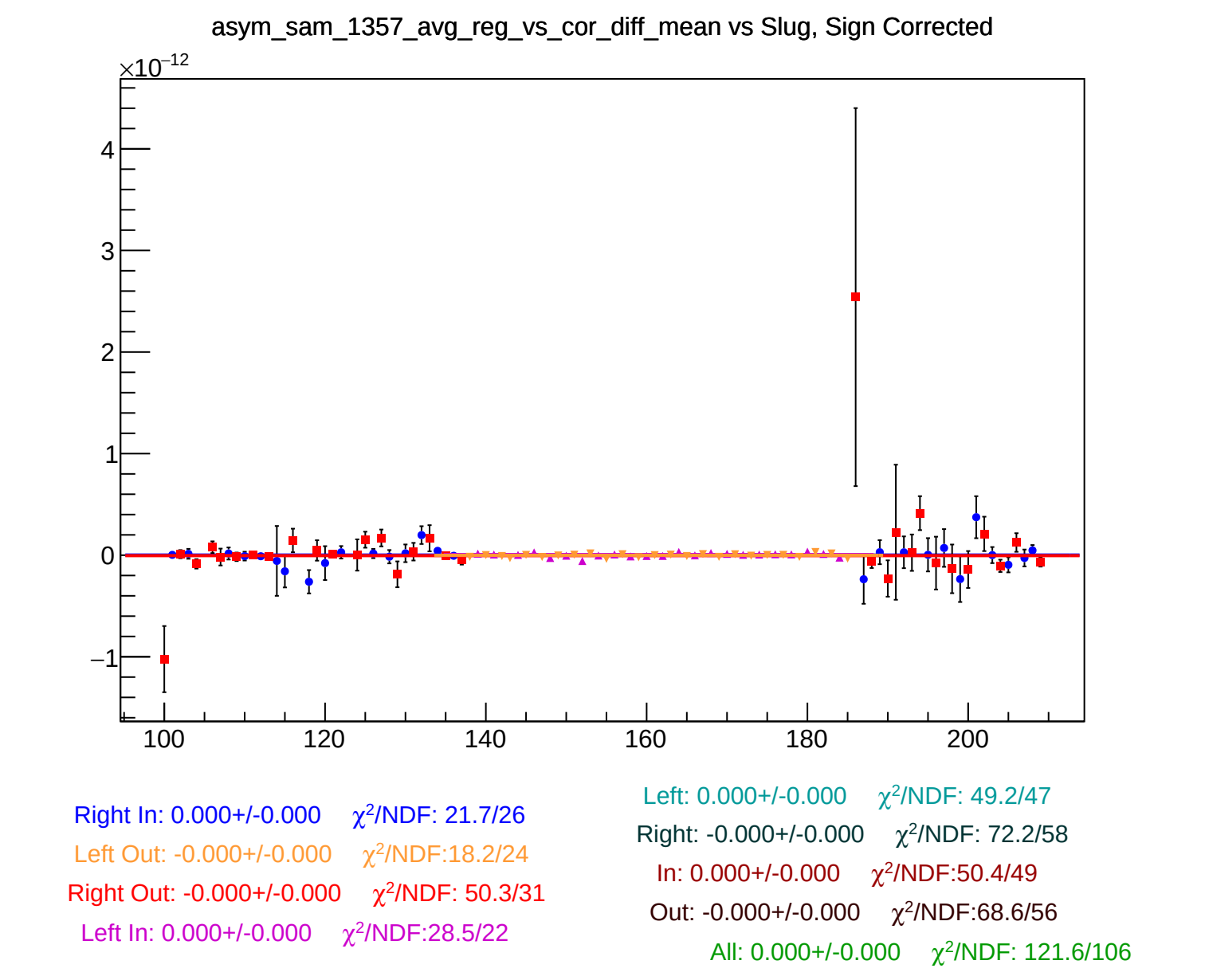
Left: 357.946+/-0.042 χ^2/NDF: 2101494.2/47

Right: 667.253+/-0.088 χ^2/NDF: 8020503.6/58

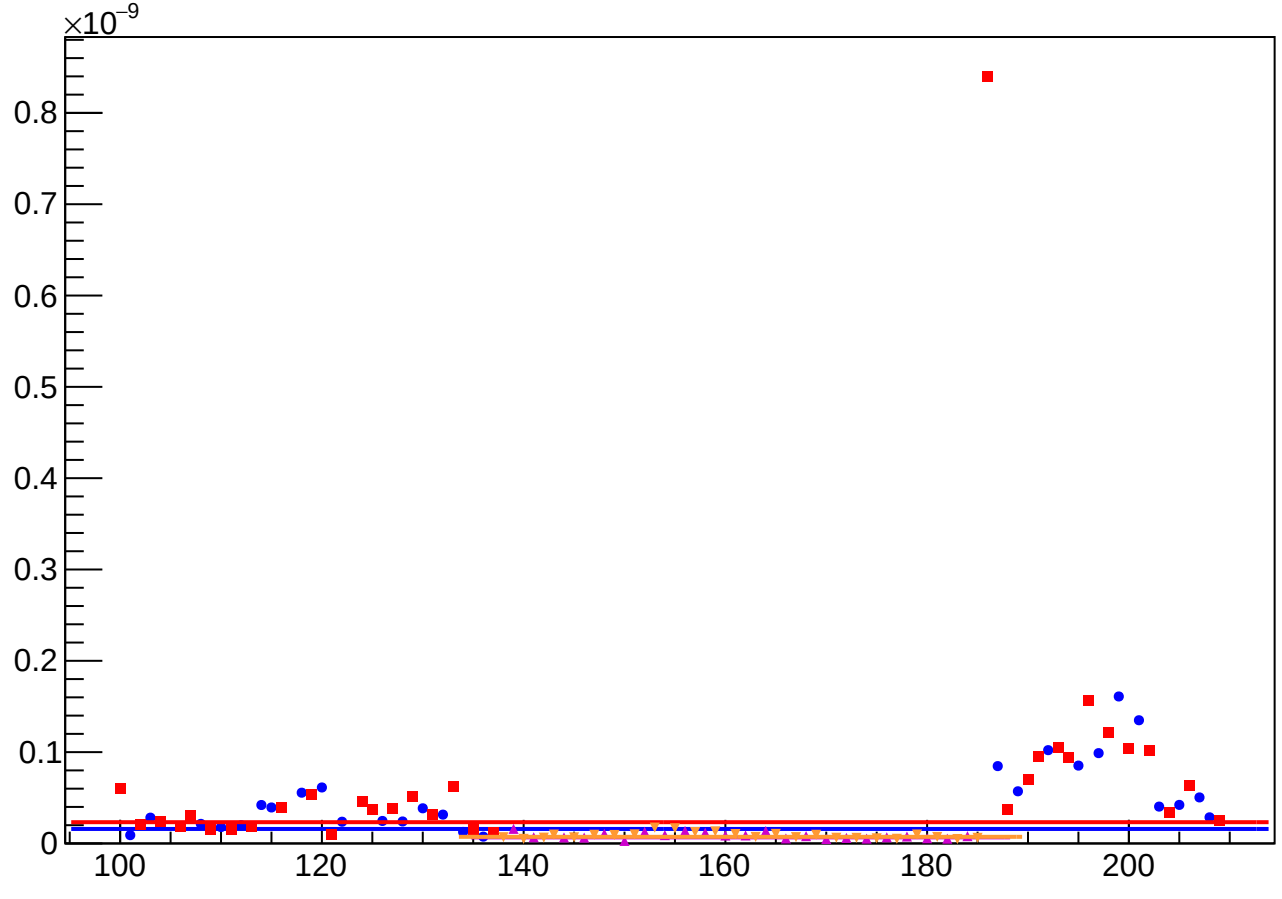
In: 413.814+/-0.054 χ^2/NDF:9214472.3/49

Out: 416.738+/-0.053 χ^2/NDF:10992362.9/56

All: 415.305+/-0.038 χ^2/NDF: 20208325.9/10


asym_sam_1357_avg_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
4
3
2
1
0
−1
100
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 21.7/26
Left Out: -0.000+/-0.000 χ²/NDF:18.2/24
Right Out: -0.000+/-0.000 χ²/NDF: 50.3/31
Left In: 0.000+/-0.000 χ²/NDF:28.5/22
Left: 0.000+/-0.000 χ²/NDF: 49.2/47
Right: -0.000+/-0.000 χ²/NDF: 72.2/58
In: 0.000+/-0.000 χ²/NDF:50.4/49
Out: -0.000+/-0.000 χ²/NDF:68.6/56
All: 0.000+/-0.000 χ²/NDF: 121.6/106

asym_sam_1357_avg_reg_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 6141508.6/26

Left Out: 0.000+/-0.000 χ^2/NDF:1438289.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 5146683.6/31

Left In: 0.000+/-0.000 χ^2/NDF:1746143.3/22

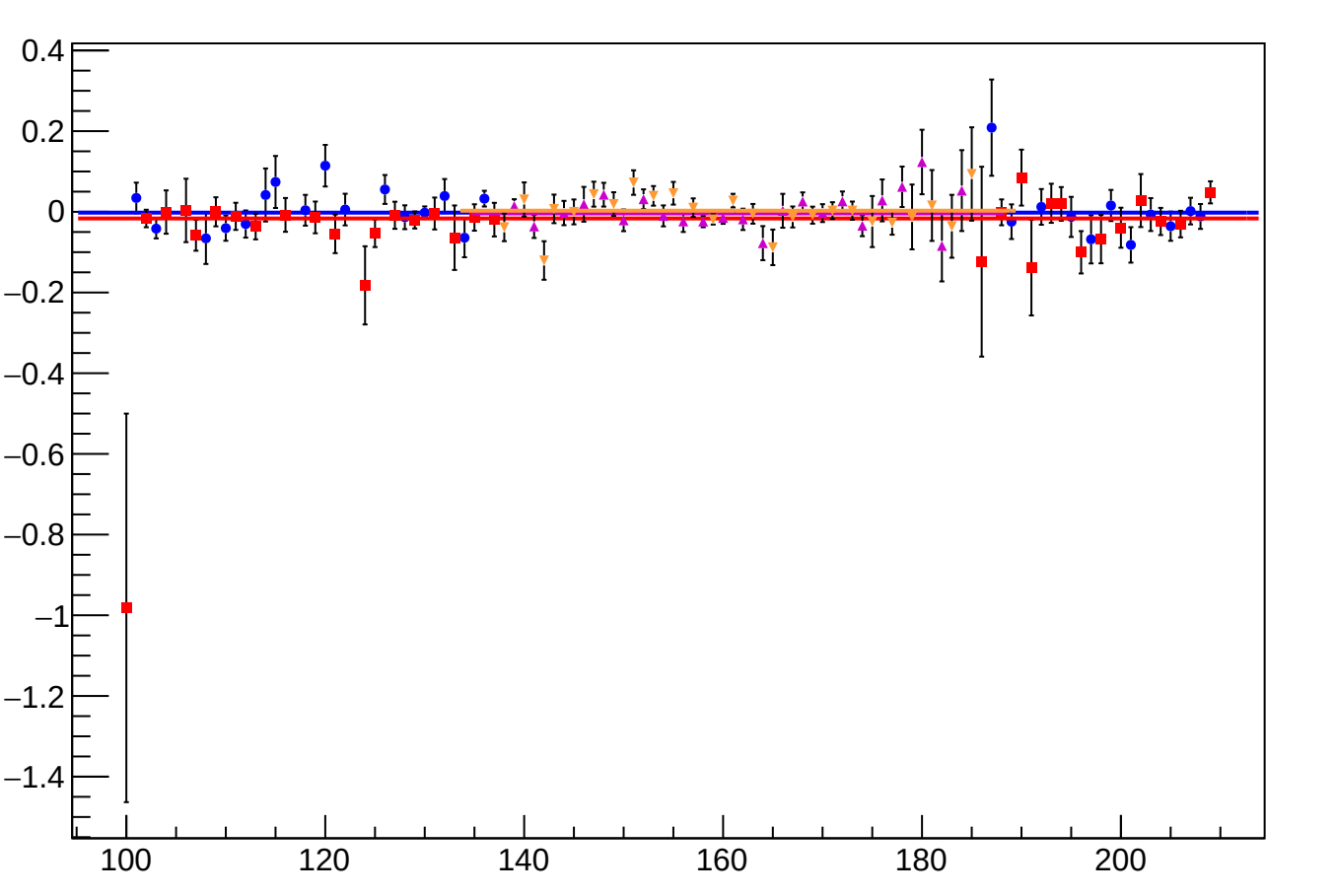
Left: 0.000+/-0.000 χ^2/NDF: 3229339.0/47

Right: 0.000+/-0.000 χ^2/NDF: 11840797.5/58

In: 0.000+/-0.000 χ^2/NDF:9926681.1/49

Out: 0.000+/-0.000 χ^2/NDF:10502655.0/56

All: 0.000+/-0.000 χ^2/NDF: 20497110.6/106



Right In: -0.002+/-0.007 χ^2/NDF: 31.6/26

Left Out: 0.003+/-0.005 χ^2/NDF:32.8/24

Right Out: -0.016+/-0.007 χ^2/NDF: 26.0/31

Left In: -0.004+/-0.005 χ^2/NDF:24.6/22

Left: -0.001+/-0.004 χ^2/NDF: 58.2/47

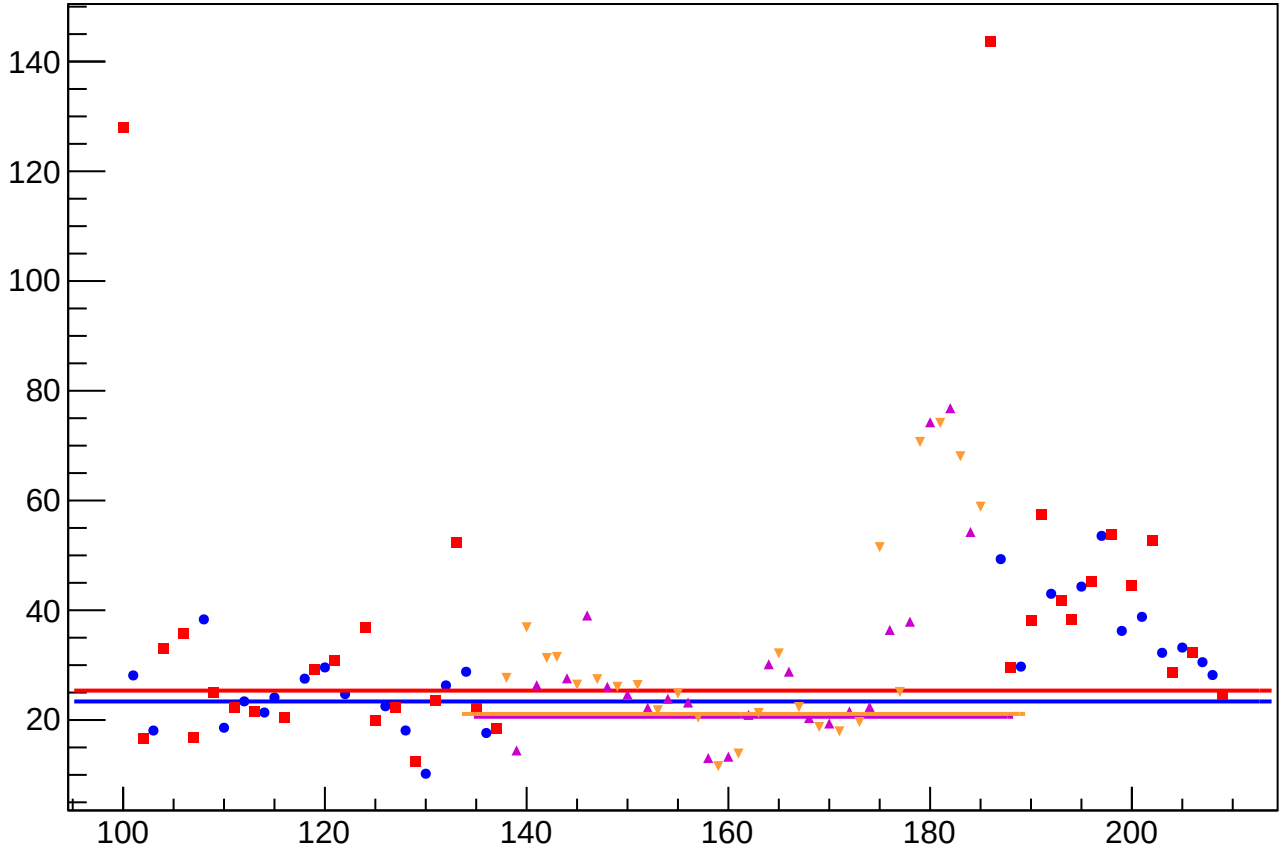
Right: -0.009+/-0.005 χ^2/NDF: 59.9/58

In: -0.003+/-0.004 χ^2/NDF:56.2/49

Out: -0.005+/-0.004 χ^2/NDF:63.6/56

All: -0.004+/-0.003 χ^2/NDF: 119.9/106

asym_sam_1357_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 23.379+/-0.005 χ^2/NDF: 4297035.2/26

Left Out: 21.109+/-0.004 χ^2/NDF:5546528.5/24

Right Out: 25.358+/-0.005 χ^2/NDF: 4541706.3/31

Left In: 20.591+/-0.004 χ^2/NDF:4599493.5/22

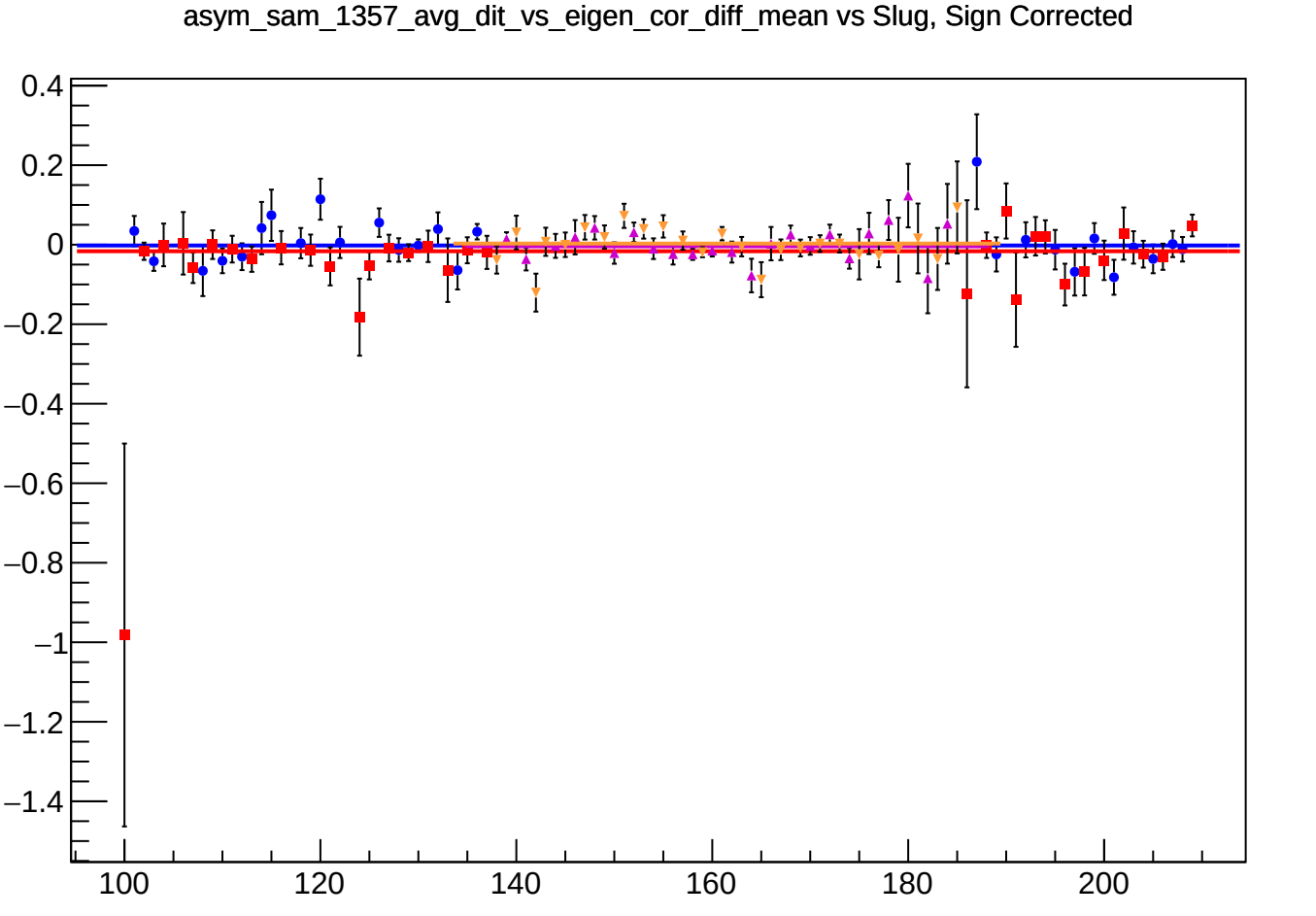
Left: 20.849+/-0.003 χ^2/NDF: 10155046.5/47

Right: 24.322+/-0.003 χ^2/NDF: 8923655.0/58

In: 21.712+/-0.003 χ^2/NDF:9108051.7/49

Out: 22.728+/-0.003 χ^2/NDF:10551087.4/56

All: 22.209+/-0.002 χ^2/NDF: 19716353.3/106



Right In: -0.002+/-0.007 χ^2/NDF: 31.6/26

Left Out: 0.003+/-0.005 χ^2/NDF:32.8/24

Right Out: -0.016+/-0.007 χ^2/NDF: 26.0/31

Left In: -0.004+/-0.005 χ^2/NDF:24.6/22

Left: -0.001+/-0.004 χ^2/NDF: 58.2/47

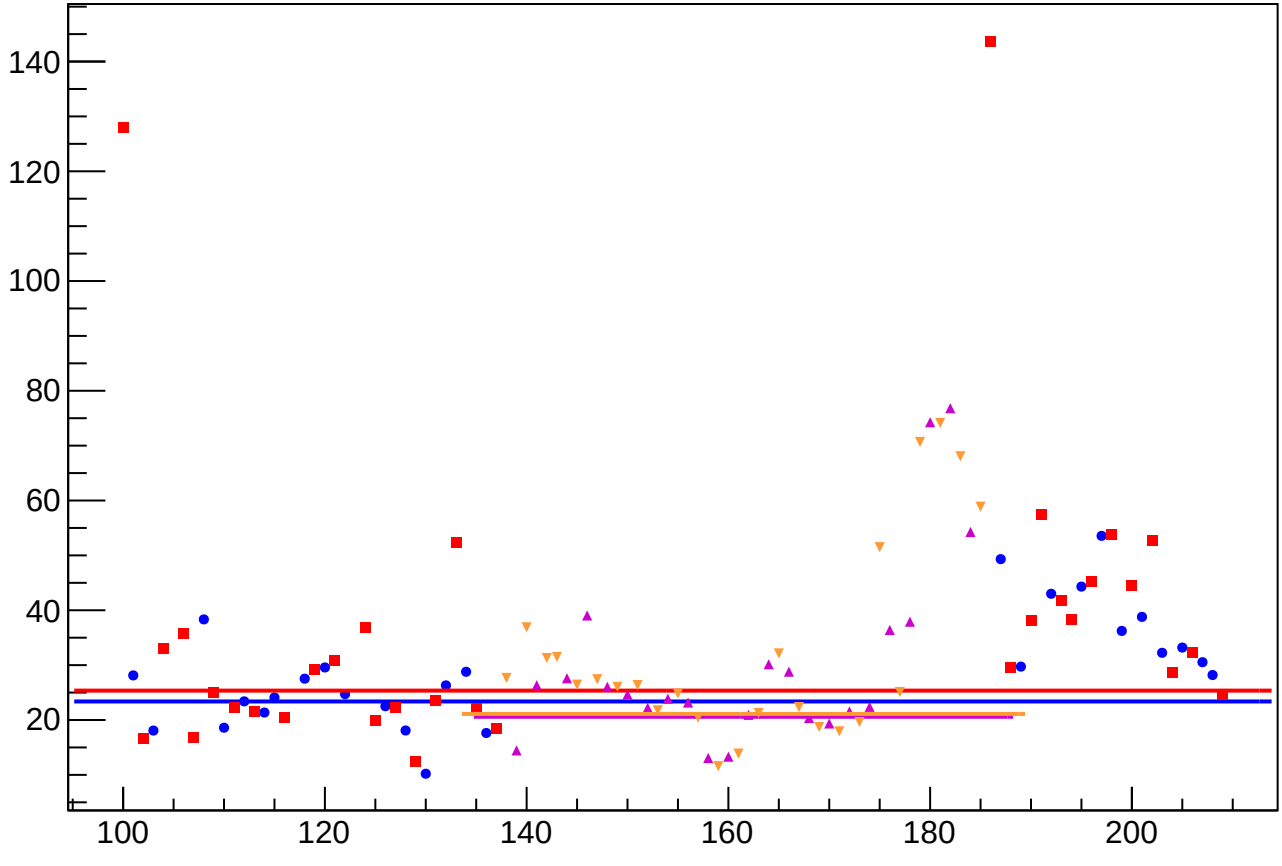
Right: -0.009+/-0.005 χ^2/NDF: 59.9/58

In: -0.003+/-0.004 χ^2/NDF:56.2/49

Out: -0.005+/-0.004 χ^2/NDF:63.6/56

All: -0.004+/-0.003 χ^2/NDF: 119.9/106

asym_sam_1357_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 23.379+/-0.005 χ^2/NDF: 4297035.2/26

Left Out: 21.109+/-0.004 χ^2/NDF:5546528.5/24

Right Out: 25.358+/-0.005 χ^2/NDF: 4541706.3/31

Left In: 20.591+/-0.004 χ^2/NDF:4599493.5/22

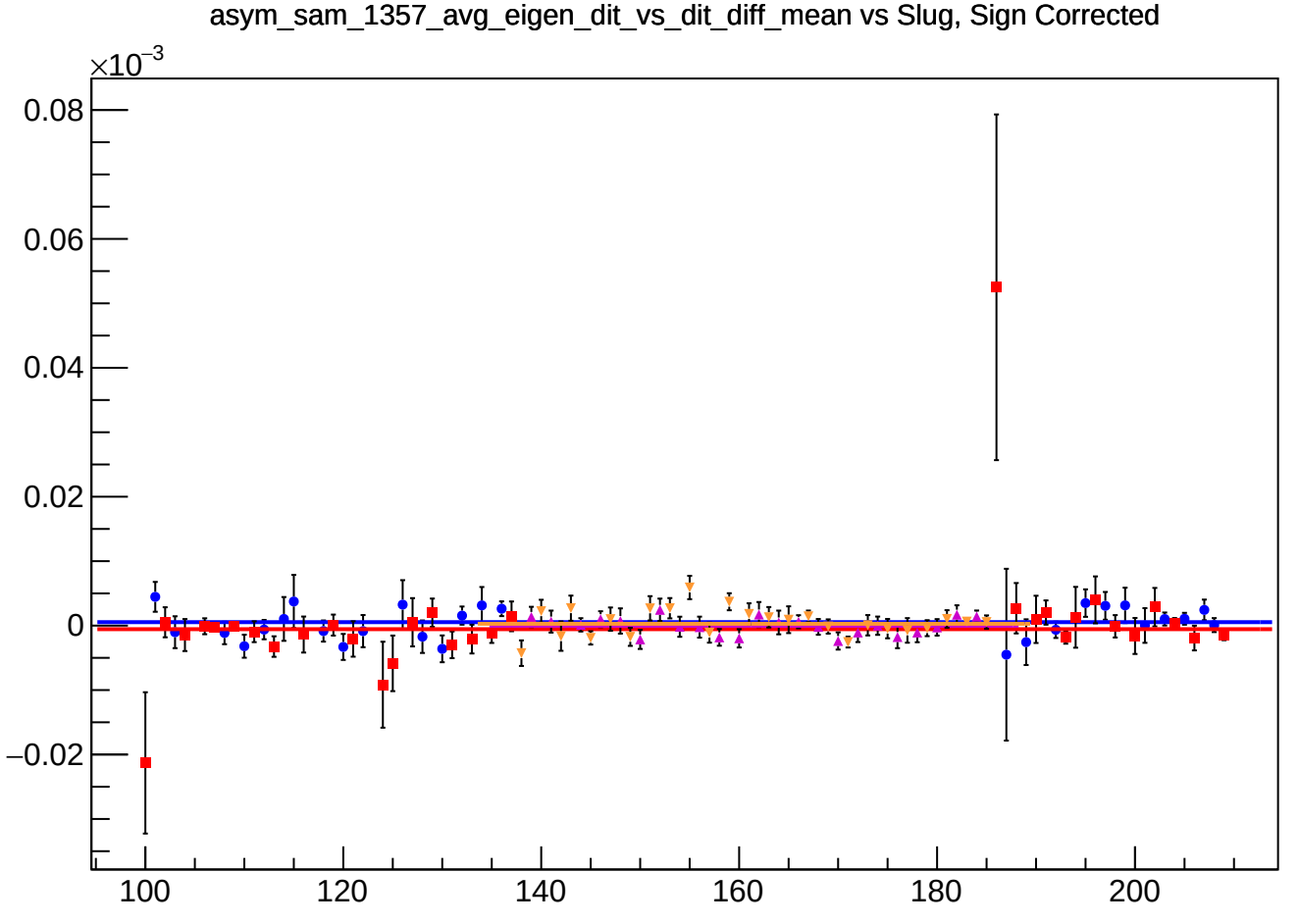
Left: 20.849+/-0.003 χ^2/NDF: 10155046.5/47

Right: 24.322+/-0.003 χ^2/NDF: 8923655.0/58

In: 21.712+/-0.003 χ^2/NDF:9108051.7/49

Out: 22.728+/-0.003 χ^2/NDF:10551087.4/56

All: 22.209+/-0.002 χ^2/NDF: 19716353.3/106



Right In: 0.000+/-0.000 χ^2/NDF: 32.6/26

Left Out: 0.000+/-0.000 χ^2/NDF:52.6/24

Right Out: -0.000+/-0.000 χ^2/NDF: 29.9/31

Left In: -0.000+/-0.000 χ^2/NDF:19.8/22

Left: 0.000+/-0.000 χ^2/NDF: 73.0/47

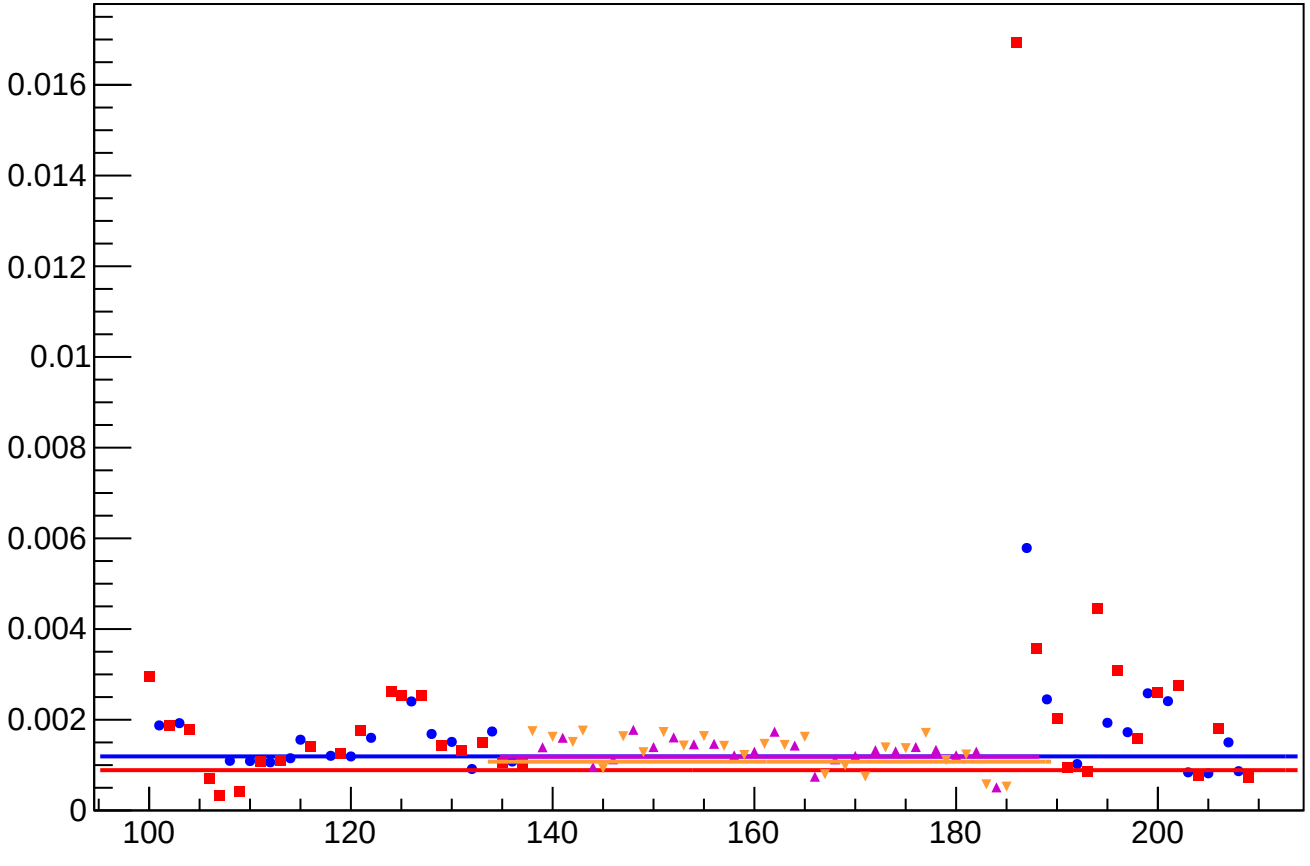
Right: -0.000+/-0.000 χ^2/NDF: 69.0/58

In: 0.000+/-0.000 χ^2/NDF:54.0/49

Out: -0.000+/-0.000 χ^2/NDF:87.5/56

All: 0.000+/-0.000 χ^2/NDF: 142.9/106

asym_sam_1357_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.001+/-0.000 χ^2/NDF: 3588753.7/26

Left Out: 0.001+/-0.000 χ^2/NDF:4545392.2/24

Right Out: 0.001+/-0.000 χ^2/NDF: 11133230.3/31

Left In: 0.001+/-0.000 χ^2/NDF:2456537.2/22

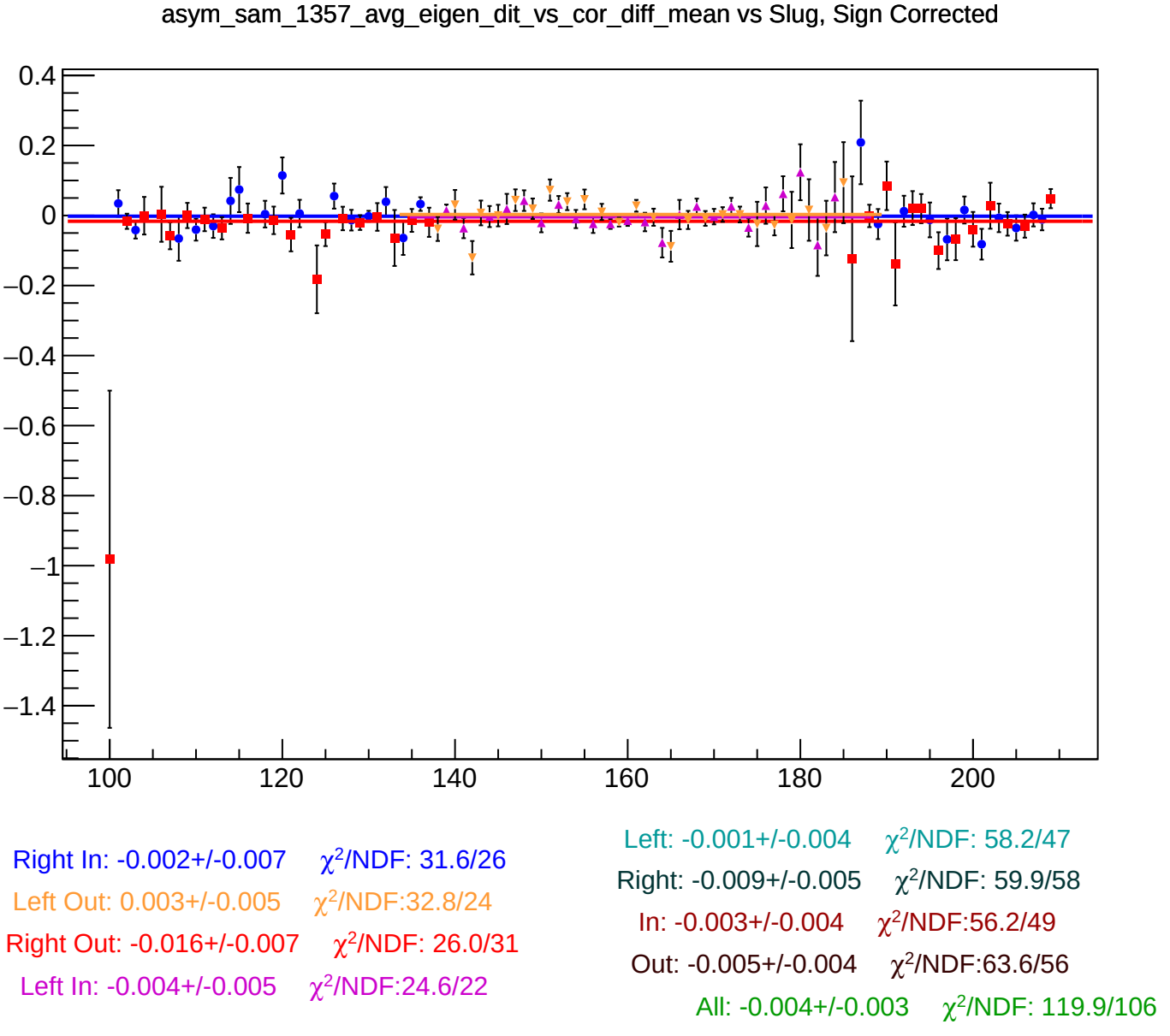
Left: 0.001+/-0.000 χ^2/NDF: 7155644.5/47

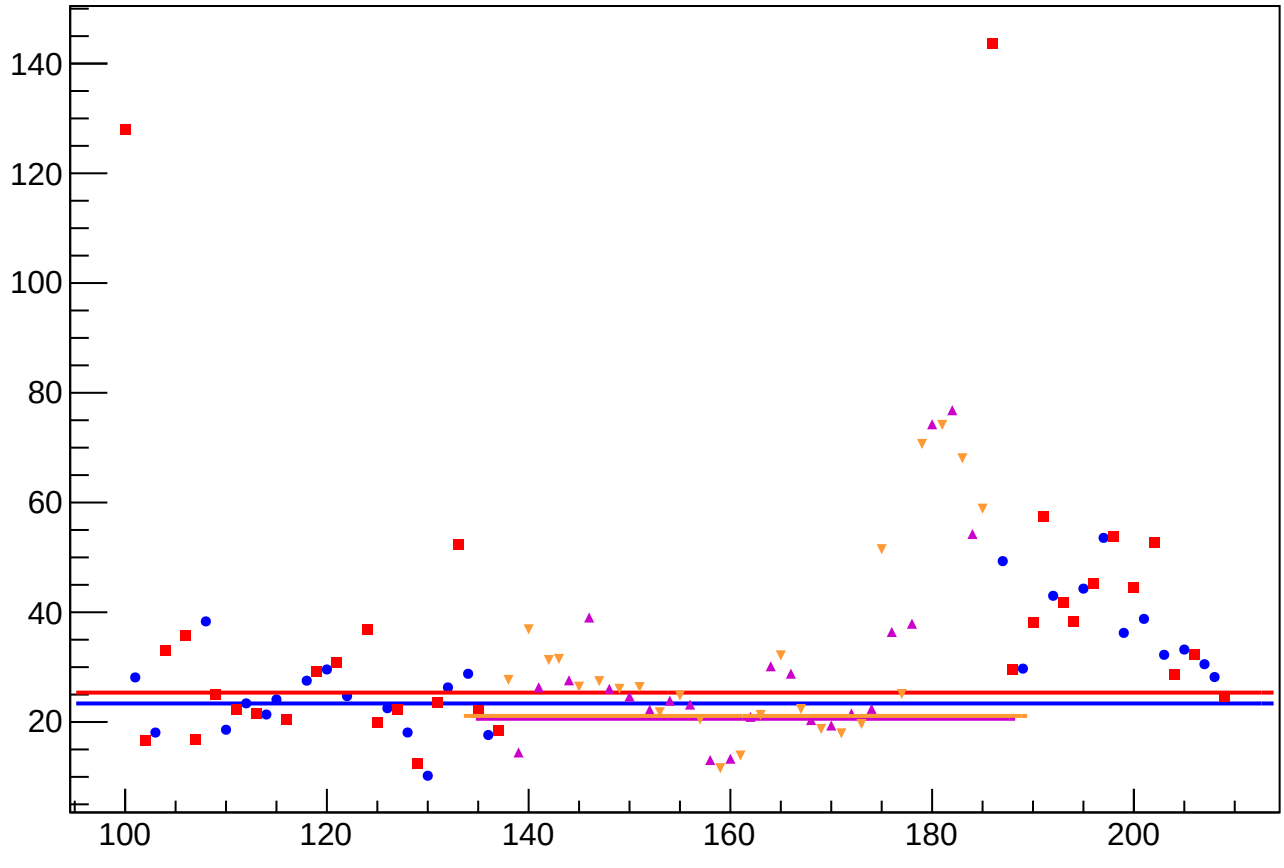
Right: 0.001+/-0.000 χ^2/NDF: 15733885.0/58

In: 0.001+/-0.000 χ^2/NDF:6045853.7/49

Out: 0.001+/-0.000 χ^2/NDF:16182526.0/56

All: 0.001+/-0.000 χ^2/NDF: 23232581.4/106


asym_sam_1357_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
−1
−1.2
−1.4
100
120
140
160
180
200
Right In: -0.002+/-0.007 χ²/NDF: 31.6/26
Left Out: 0.003+/-0.005 χ²/NDF:32.8/24
Right Out: -0.016+/-0.007 χ²/NDF: 26.0/31
Left In: -0.004+/-0.005 χ²/NDF:24.6/22
Left: -0.001+/-0.004 χ²/NDF: 58.2/47
Right: -0.009+/-0.005 χ²/NDF: 59.9/58
In: -0.003+/-0.004 χ²/NDF:56.2/49
Out: -0.005+/-0.004 χ²/NDF:63.6/56
All: -0.004+/-0.003 χ²/NDF: 119.9/106



Right In: 23.380+/-0.005 χ^2/NDF: 4296766.8/26

Left Out: 21.109+/-0.004 χ^2/NDF:5546663.4/24

Right Out: 25.359+/-0.005 χ^2/NDF: 4541681.6/31

Left In: 20.592+/-0.004 χ^2/NDF:4599496.2/22

Left: 20.849+/-0.003 χ^2/NDF: 10155178.1/47

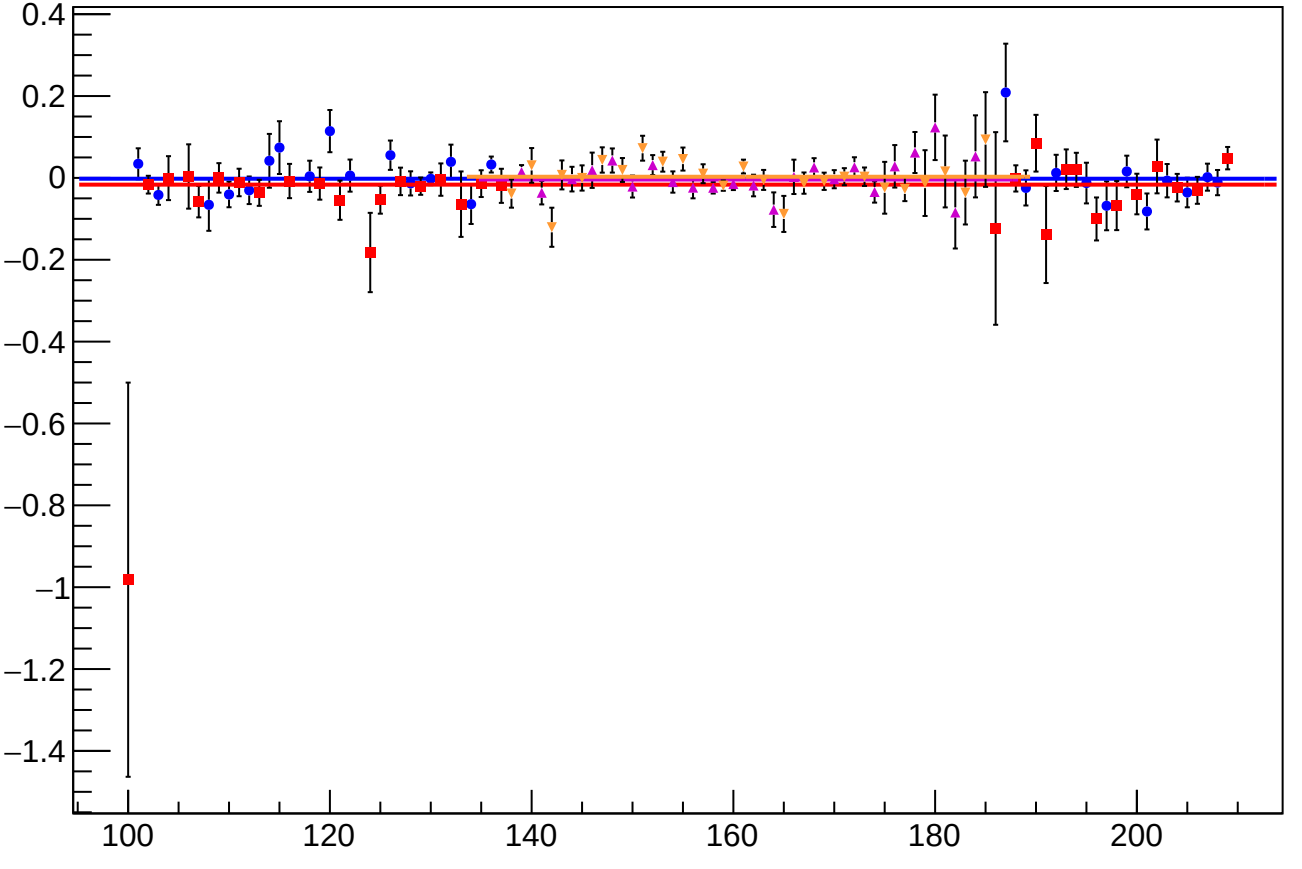
Right: 24.323+/-0.003 χ^2/NDF: 8923341.0/58

In: 21.712+/-0.003 χ^2/NDF:9107807.0/49

Out: 22.728+/-0.003 χ^2/NDF:10551217.9/56

All: 22.210+/-0.002 χ^2/NDF: 19716215.9/106

asym_sam_1357_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.002+/-0.007 χ^2/NDF: 31.6/26

Left Out: 0.003+/-0.005 χ^2/NDF:32.8/24

Right Out: -0.016+/-0.007 χ^2/NDF: 26.0/31

Left In: -0.004+/-0.005 χ^2/NDF:24.6/22

Left: -0.001+/-0.004 χ^2/NDF: 58.2/47

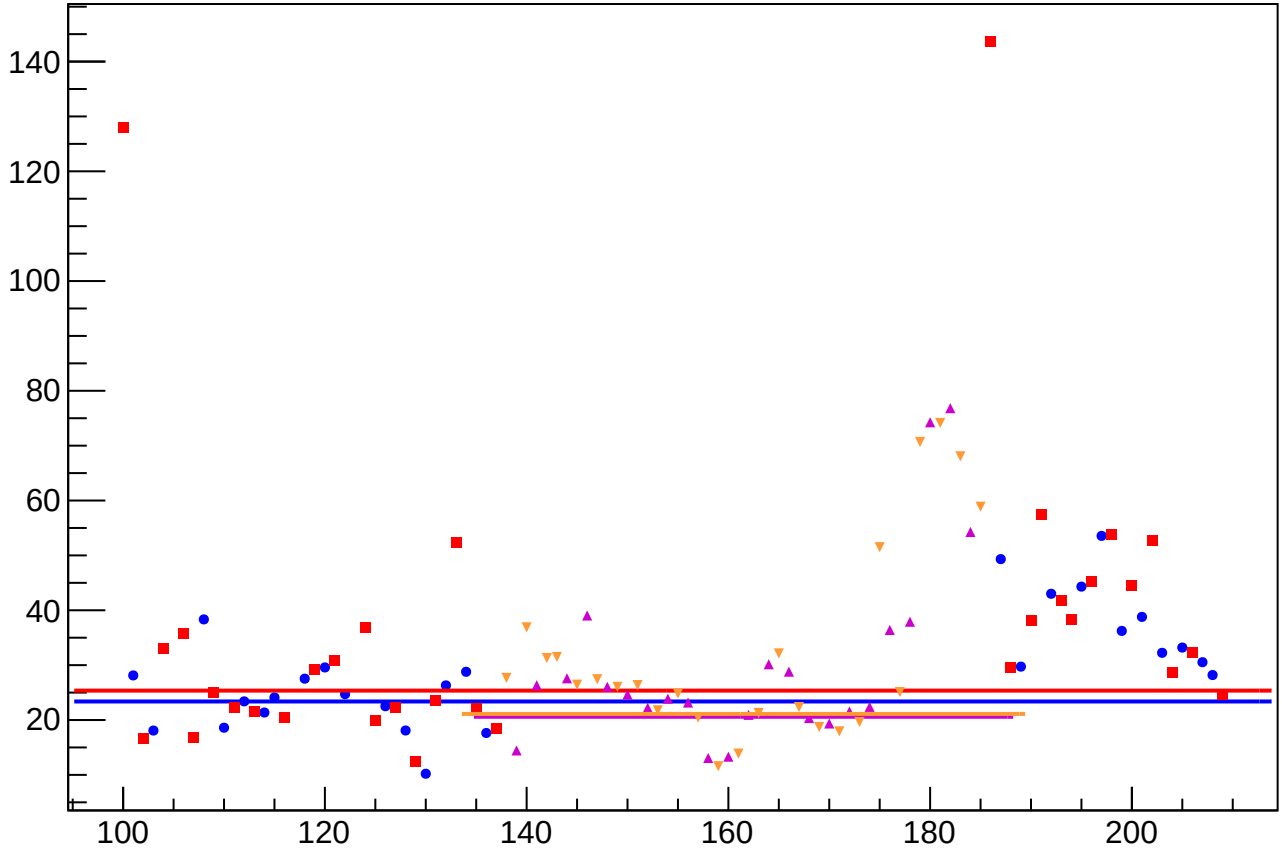
Right: -0.009+/-0.005 χ^2/NDF: 59.9/58

In: -0.003+/-0.004 χ^2/NDF:56.2/49

Out: -0.005+/-0.004 χ^2/NDF:63.6/56

All: -0.004+/-0.003 χ^2/NDF: 119.9/106

asym_sam_1357_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 23.380+/-0.005 χ^2/NDF: 4296766.8/26

Left Out: 21.109+/-0.004 χ^2/NDF:5546663.4/24

Right Out: 25.359+/-0.005 χ^2/NDF: 4541681.6/31

Left In: 20.592+/-0.004 χ^2/NDF:4599496.2/22

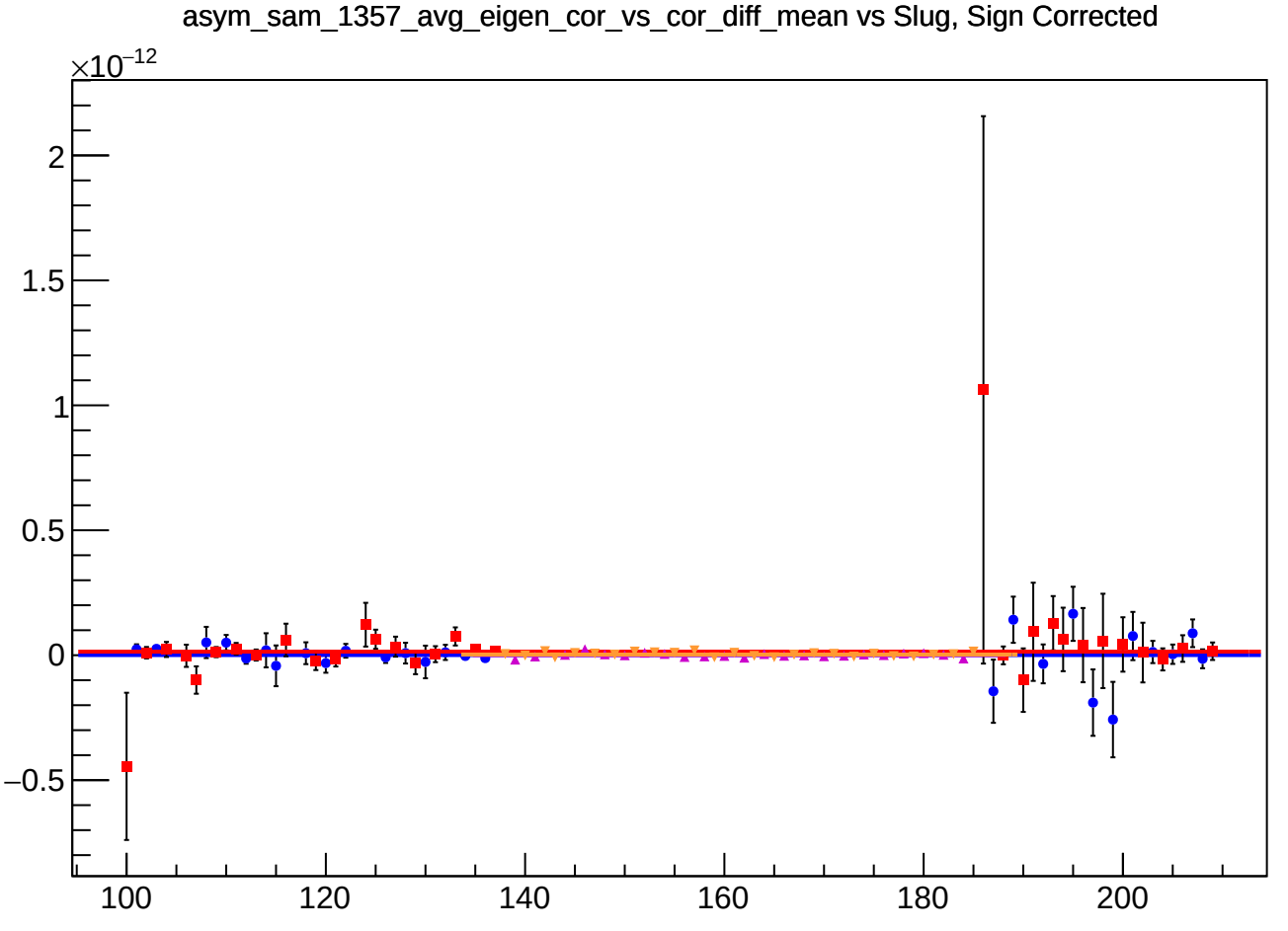
Left: 20.849+/-0.003 χ^2/NDF: 10155178.1/47

Right: 24.323+/-0.003 χ^2/NDF: 8923341.0/58

In: 21.712+/-0.003 χ^2/NDF:9107807.0/49

Out: 22.728+/-0.003 χ^2/NDF:10551217.9/56

All: 22.210+/-0.002 χ^2/NDF: 19716215.9/106



Right In: 0.000+/-0.000 χ^2/NDF: 25.0/26

Left Out: 0.000+/-0.000 χ^2/NDF:20.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 21.6/31

Left In: 0.000+/-0.000 χ^2/NDF:21.4/22

Left: 0.000+/-0.000 χ^2/NDF: 42.7/47

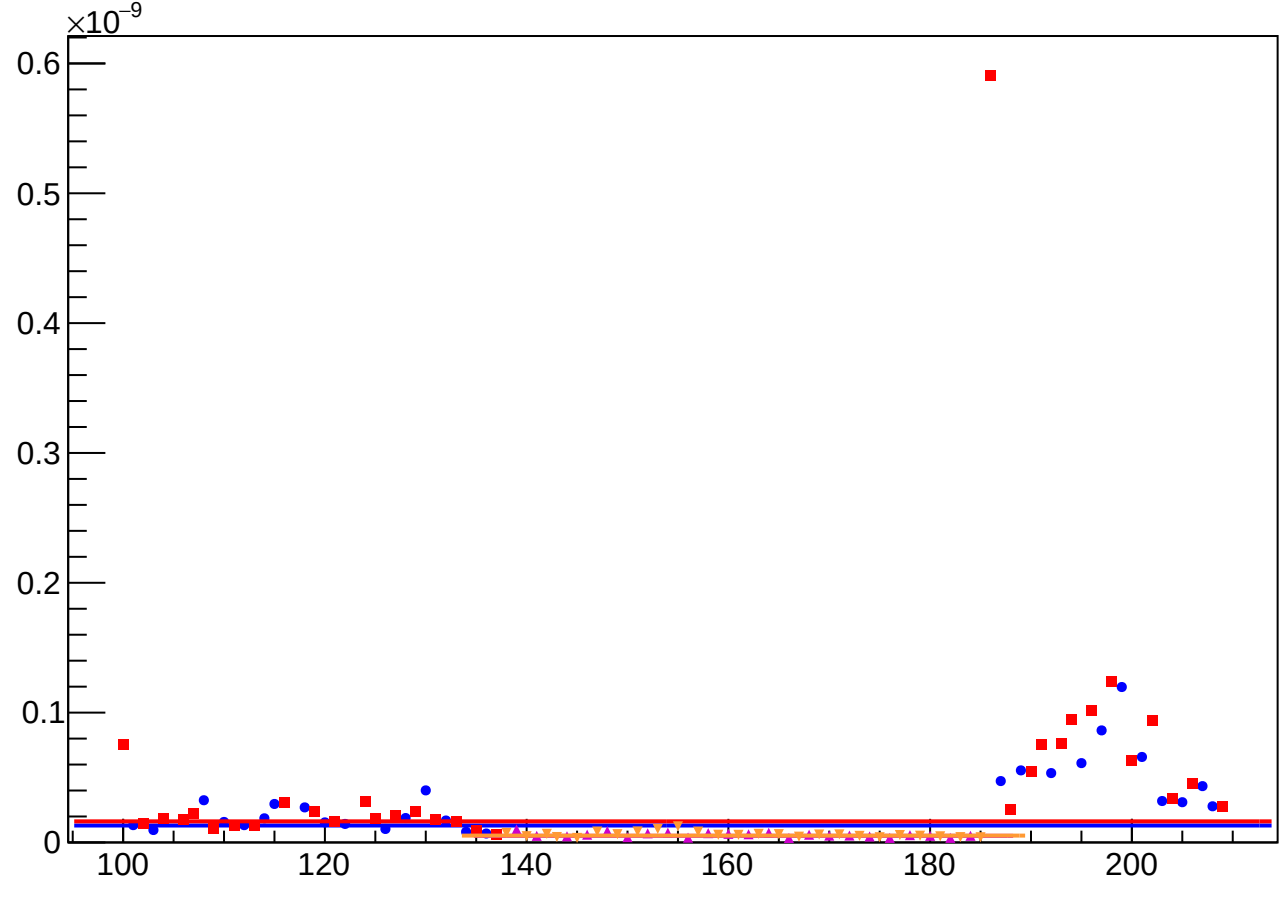
Right: 0.000+/-0.000 χ^2/NDF: 49.4/58

In: 0.000+/-0.000 χ^2/NDF:46.4/49

Out: 0.000+/-0.000 χ^2/NDF:45.6/56

All: 0.000+/-0.000 χ^2/NDF: 93.5/106

asym_sam_1357_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 7582265.2/26

Left Out: 0.000+/-0.000 χ^2/NDF:2053779.9/24

Right Out: 0.000+/-0.000 χ^2/NDF: 7835890.4/31

Left In: 0.000+/-0.000 χ^2/NDF:1700889.7/22

Left: 0.000+/-0.000 χ^2/NDF: 3769522.8/47

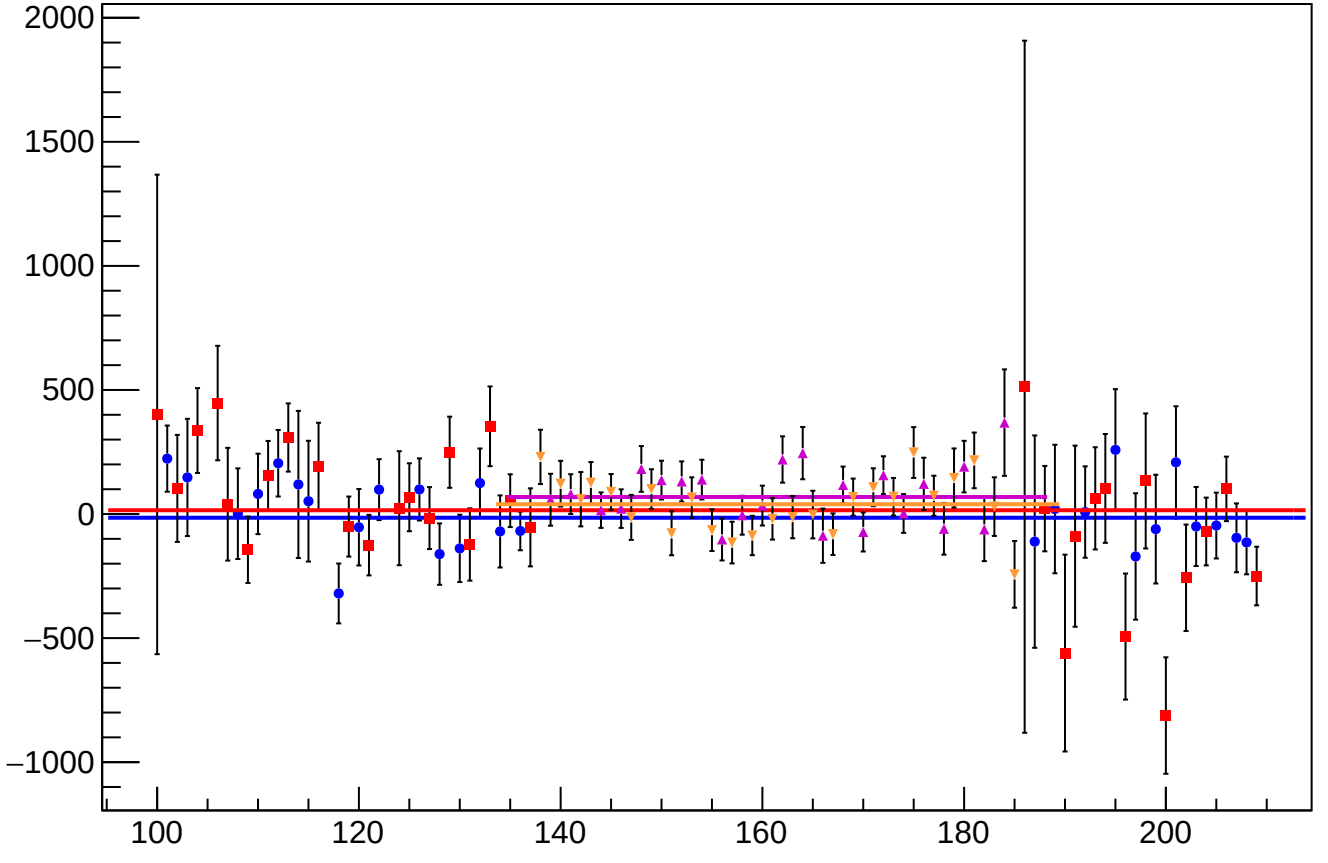
Right: 0.000+/-0.000 χ^2/NDF: 15725743.7/58

In: 0.000+/-0.000 χ^2/NDF:13353262.3/49

Out: 0.000+/-0.000 χ^2/NDF:15880540.6/56

All: 0.000+/-0.000 χ^2/NDF: 29255674.8/106

reg_asym_sam_2468_avg_mean vs Slug, Sign Corrected



Right In: -14.945+/-29.091 χ^2/NDF: 22.8/26

Left Out: 39.477+/-17.666 χ^2/NDF:31.9/24

Right Out: 15.252+/-29.264 χ^2/NDF: 52.1/31

Left In: 68.620+/-18.317 χ^2/NDF:29.0/22

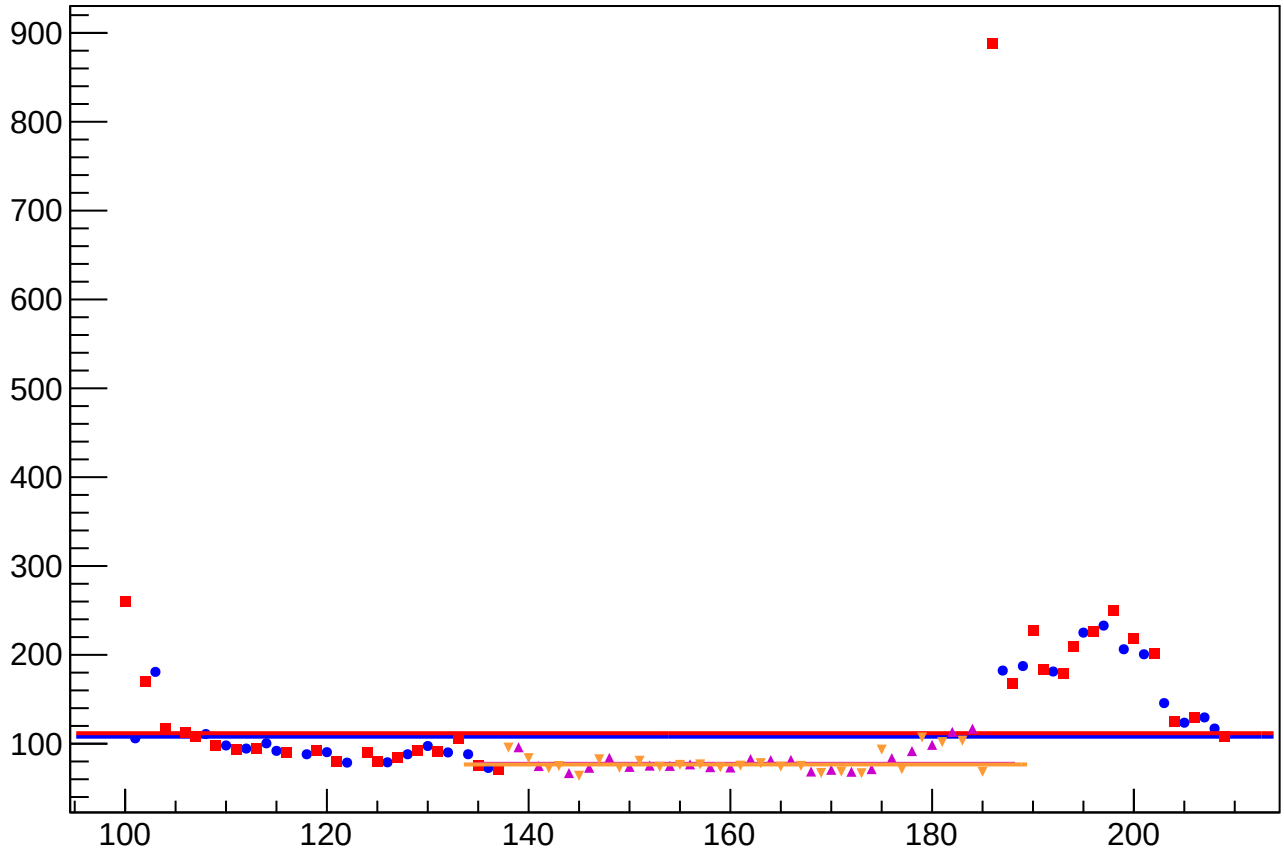
Left: 53.521+/-12.716 χ^2/NDF: 62.3/47

Right: 0.064+/-20.631 χ^2/NDF: 75.4/58

In: 44.896+/-15.500 χ^2/NDF:57.7/49

Out: 33.007+/-15.124 χ^2/NDF:84.5/56

All: 38.805+/-10.825 χ^2/NDF: 142.5/106



Right In: 107.902+/-0.021 χ^2/NDF: 3514009.6/26

Left Out: 76.646+/-0.012 χ^2/NDF:654608.6/24

Right Out: 111.839+/-0.021 χ^2/NDF: 4610626.4/31

Left In: 77.348+/-0.013 χ^2/NDF:590414.8/22

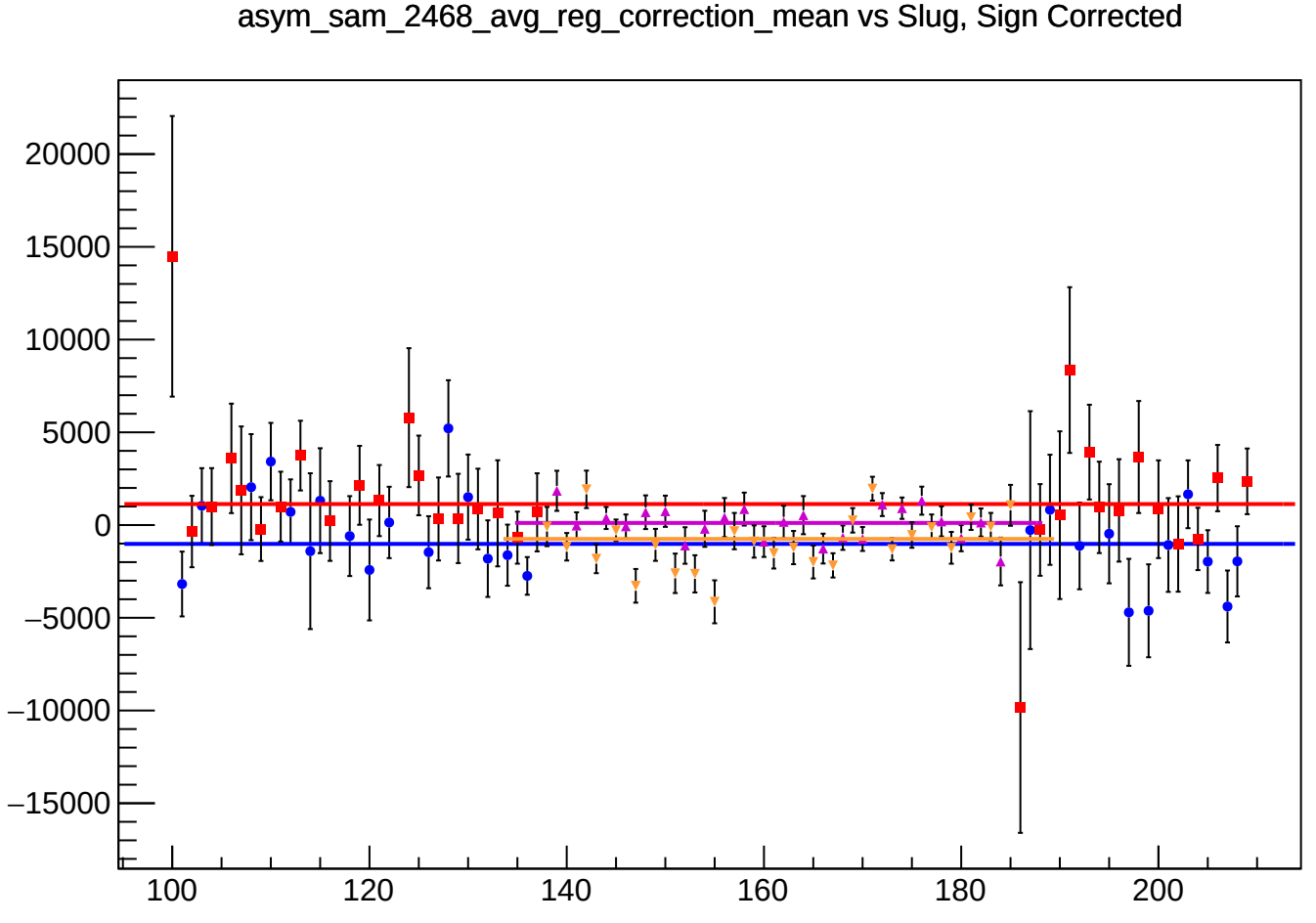
Left: 76.985+/-0.009 χ^2/NDF: 1246545.0/47

Right: 109.859+/-0.015 χ^2/NDF: 8142842.1/58

In: 86.022+/-0.011 χ^2/NDF:5684235.3/49

Out: 86.046+/-0.011 χ^2/NDF:7385111.7/56

All: 86.035+/-0.008 χ^2/NDF: 13069349.4/106



Right In: -1017.152+/-397.878 χ^2/NDF: 30.6/26

Left Out: -749.641+/-158.081 χ^2/NDF:70.0/24

Right Out: 1131.330+/-402.151 χ^2/NDF: 22.0/31

Left In: 113.799+/-161.809 χ^2/NDF:25.1/22

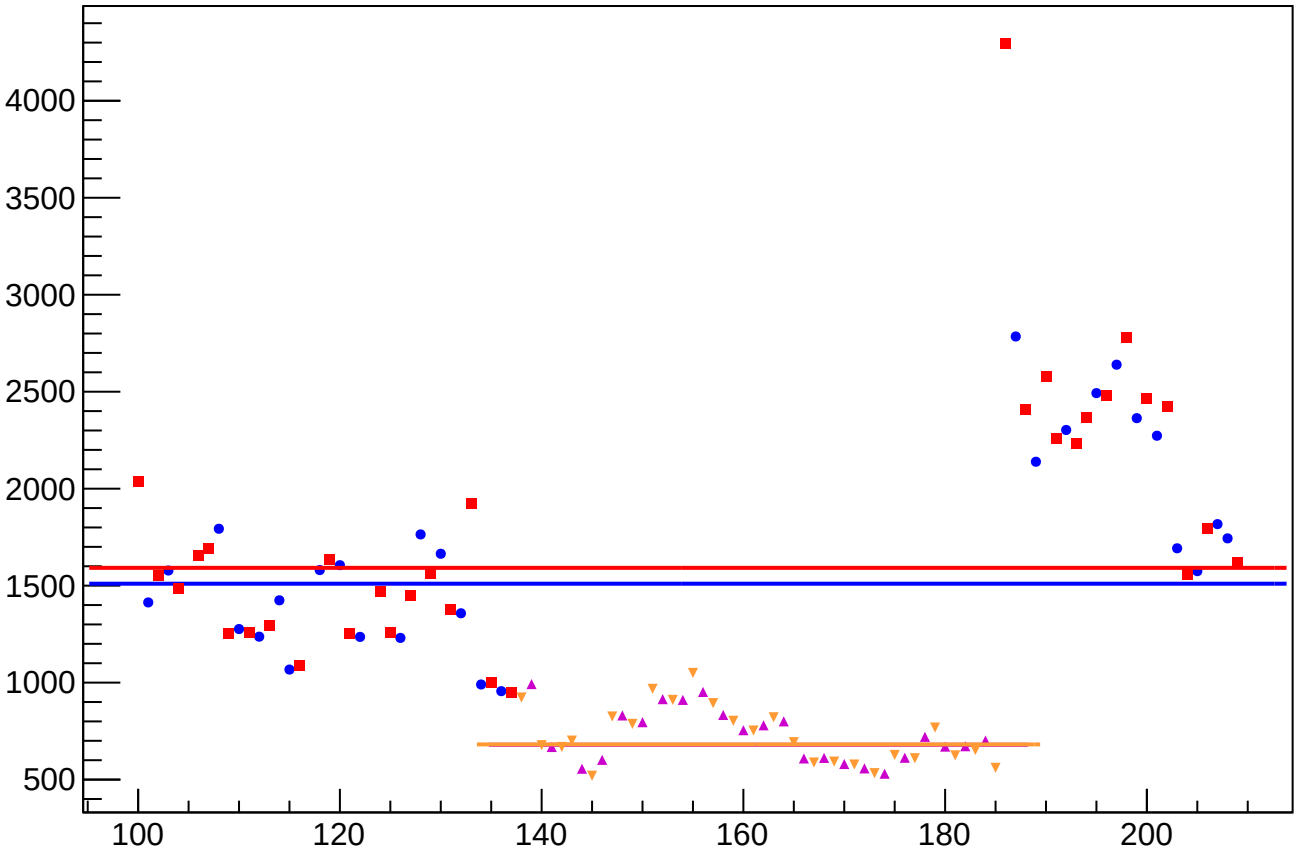
Left: -327.982+/-113.075 χ^2/NDF: 109.6/47

Right: 45.615+/-282.841 χ^2/NDF: 67.1/58

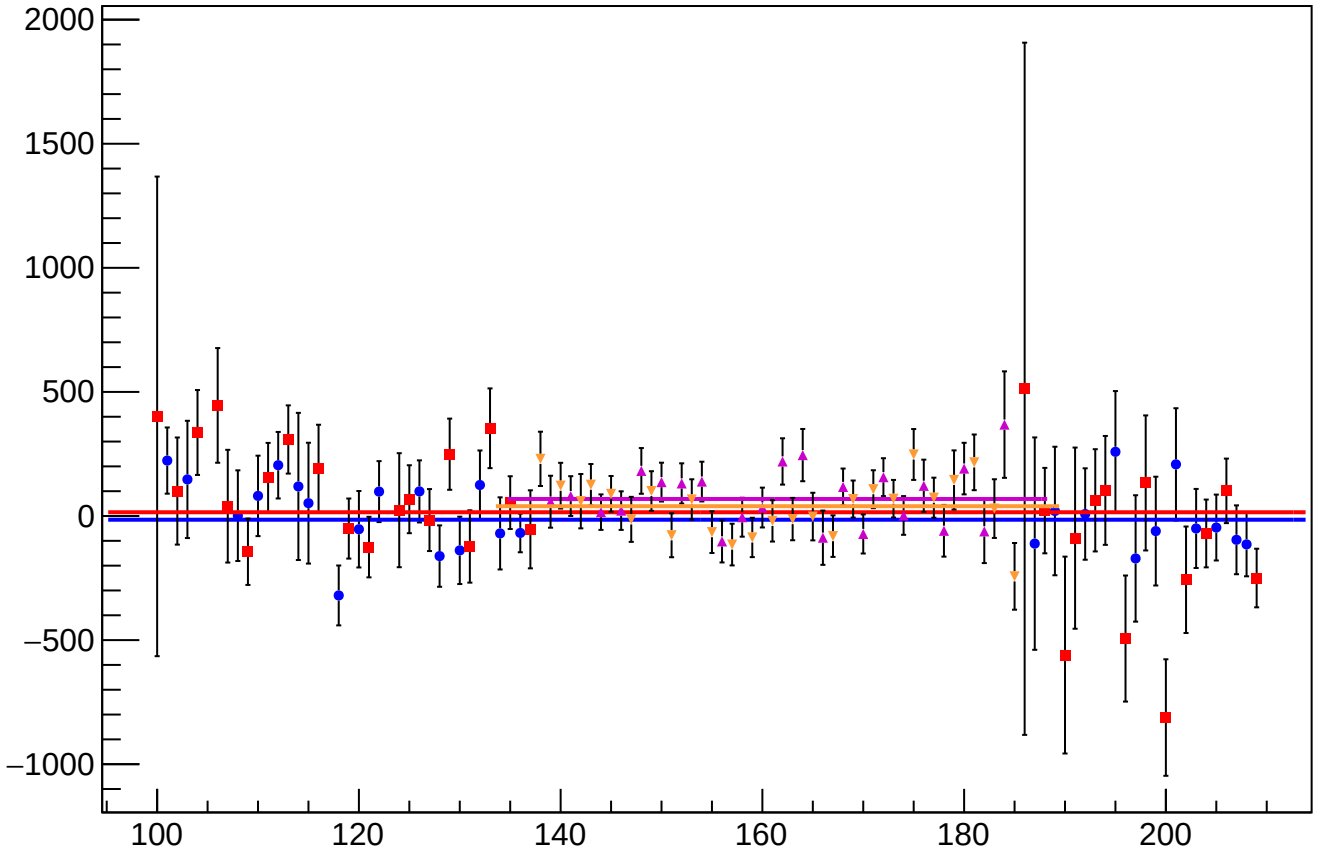
In: -46.702+/-149.888 χ^2/NDF:62.6/49

Out: -497.895+/-147.122 χ^2/NDF:111.0/56

All: -276.500+/-104.995 χ^2/NDF: 178.2/106


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
Right In: 1510.058+/-0.281 χ²/NDF: 2564458.0/26
Left Out: 681.427+/-0.112 χ²/NDF:1334213.4/24
Right Out: 1591.849+/-0.284 χ²/NDF: 2999658.7/31
Left In: 679.413+/-0.114 χ²/NDF:1185267.0/22
Left: 680.443+/-0.080 χ²/NDF: 2519638.8/47
Right: 1550.517+/-0.200 χ²/NDF: 5605923.2/58
In: 797.296+/-0.106 χ²/NDF:11229530.6/49
Out: 803.276+/-0.104 χ²/NDF:13212316.7/56
All: 800.342+/-0.074 χ²/NDF: 24443468.5/10

cor_asym_sam_2468_avg_mean vs Slug, Sign Corrected



Right In: -14.956+/-29.091 χ^2/NDF: 22.8/26

Left Out: 39.484+/-17.666 χ^2/NDF:31.9/24

Right Out: 15.150+/-29.265 χ^2/NDF: 52.0/31

Left In: 68.620+/-18.317 χ^2/NDF:29.0/22

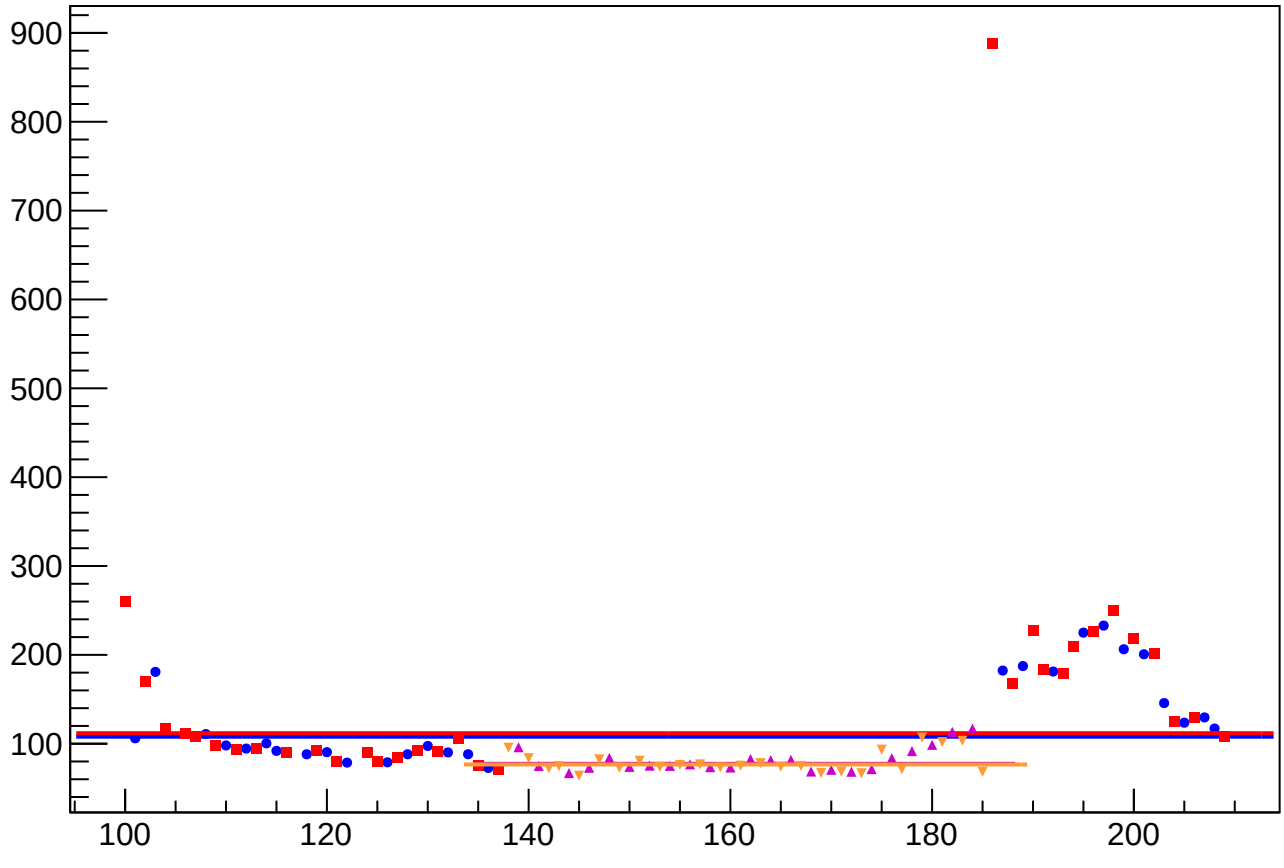
Left: 53.525+/-12.716 χ^2/NDF: 62.3/47

Right: 0.007+/-20.632 χ^2/NDF: 75.3/58

In: 44.893+/-15.500 χ^2/NDF:57.7/49

Out: 32.985+/-15.124 χ^2/NDF:84.5/56

All: 38.793+/-10.825 χ^2/NDF: 142.5/106



Right In: 107.902+/-0.021 χ^2/NDF: 3514013.2/26

Left Out: 76.646+/-0.012 χ^2/NDF:654608.7/24

Right Out: 111.818+/-0.021 χ^2/NDF: 4610847.5/31

Left In: 77.348+/-0.013 χ^2/NDF:590414.8/22

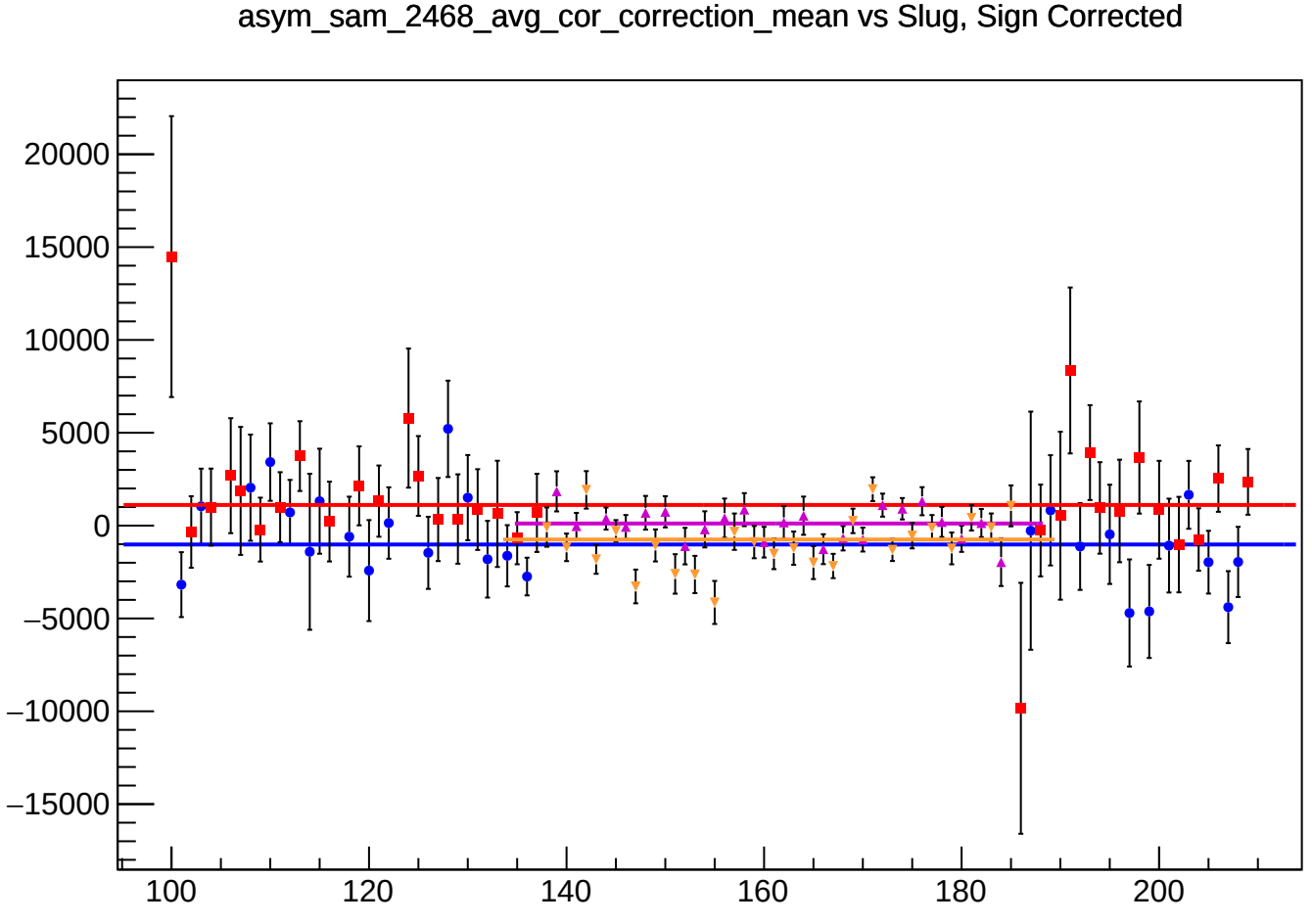
Left: 76.985+/-0.009 χ^2/NDF: 1246545.1/47

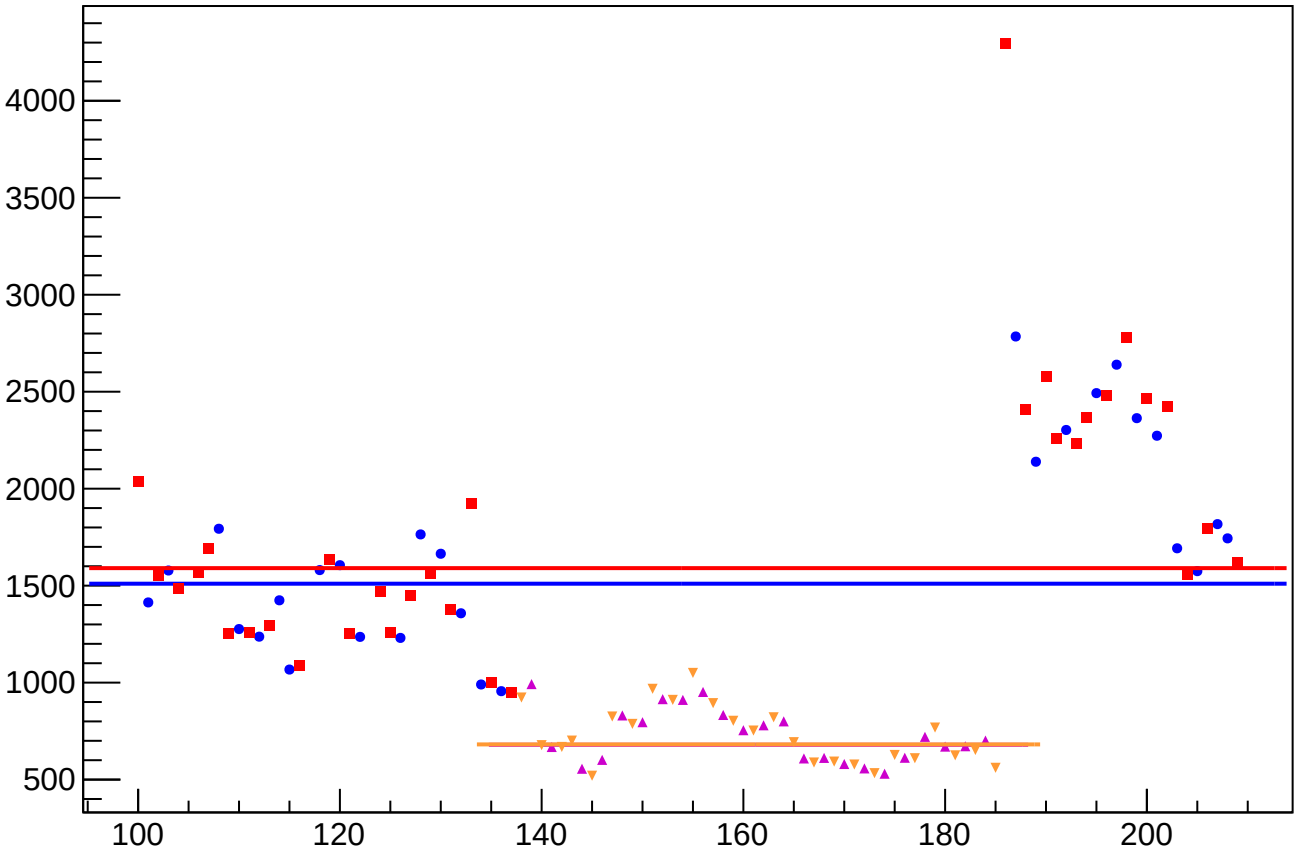
Right: 109.848+/-0.015 χ^2/NDF: 8142873.8/58

In: 86.022+/-0.011 χ^2/NDF:5684238.9/49

Out: 86.040+/-0.011 χ^2/NDF:7382701.5/56

All: 86.031+/-0.008 χ^2/NDF: 13066941.8/106


asym_sam_2468_avg_cor_correction_mean vs Slug, Sign Corrected
20000
15000
10000
5000
0
−5000
−10000
−15000
100
120
140
160
180
200
Right In: -1017.130+/-397.879 χ²/NDF: 30.6/26
Left Out: -749.632+/-158.081 χ²/NDF:70.0/24
Right Out: 1112.205+/-402.505 χ²/NDF: 21.6/31
Left In: 113.799+/-161.809 χ²/NDF:25.1/22
Left: -327.978+/-113.075 χ²/NDF: 109.6/47
Right: 35.229+/-282.964 χ²/NDF: 66.4/58
In: -46.699+/-149.888 χ²/NDF:62.6/49
Out: -500.827+/-147.140 χ²/NDF:110.1/56
All: -277.965+/-105.002 χ²/NDF: 177.4/106



Right In: 1510.062+/-0.281 χ^2/NDF: 2564469.4/26

Left Out: 681.426+/-0.112 χ^2/NDF:1334214.9/24

Right Out: 1590.327+/-0.285 χ^2/NDF: 2998778.4/31

Left In: 679.414+/-0.114 χ^2/NDF:1185265.0/22

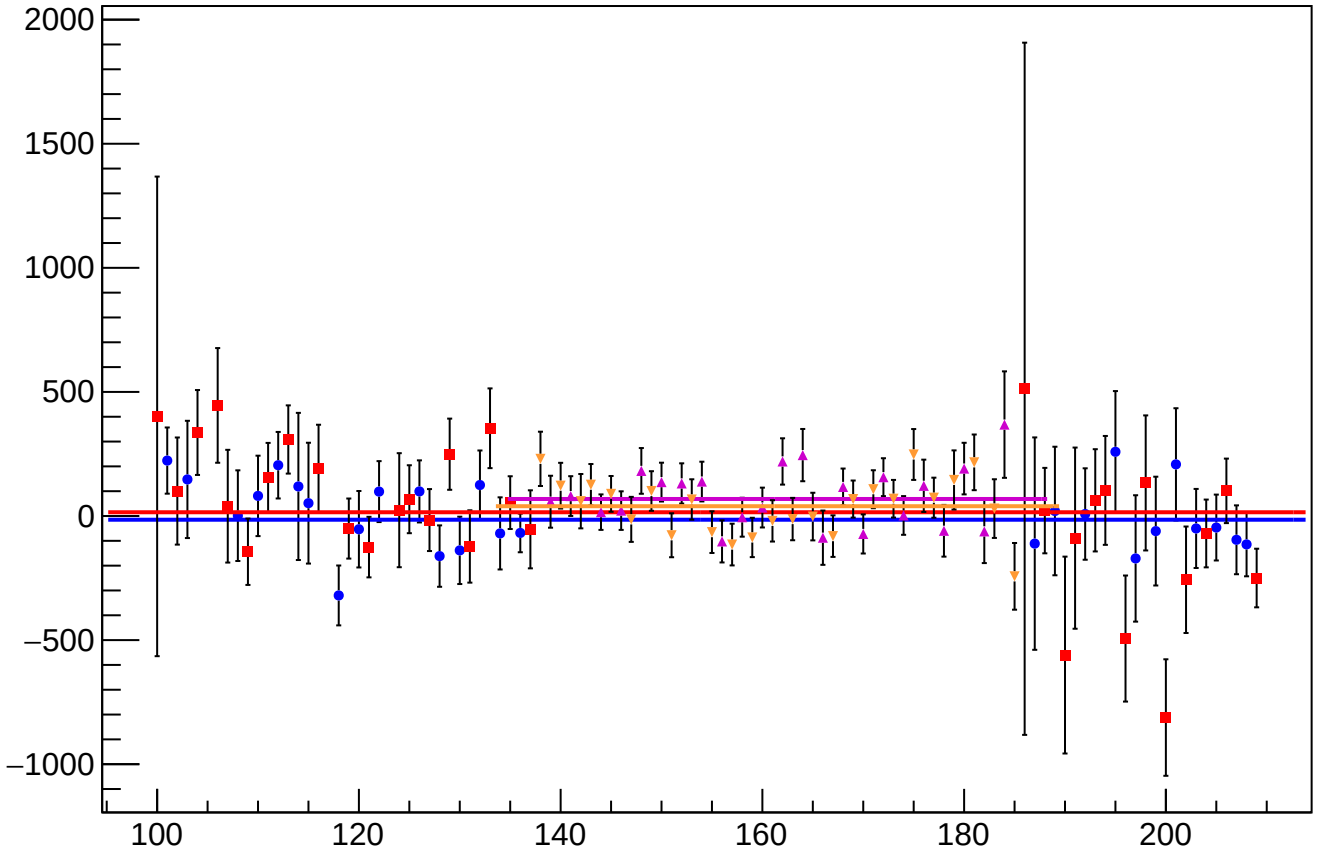
Left: 680.443+/-0.080 χ^2/NDF: 2519638.2/47

Right: 1549.730+/-0.200 χ^2/NDF: 5603473.9/58

In: 797.297+/-0.106 χ^2/NDF:11229564.1/49

Out: 802.886+/-0.104 χ^2/NDF:13168285.4/56

All: 800.143+/-0.074 χ^2/NDF: 24399266.0/10



Right In: -14.956+/-29.091 χ^2/NDF: 22.8/26

Left Out: 39.484+/-17.666 χ^2/NDF:31.9/24

Right Out: 15.150+/-29.265 χ^2/NDF: 52.0/31

Left In: 68.620+/-18.317 χ^2/NDF:29.0/22

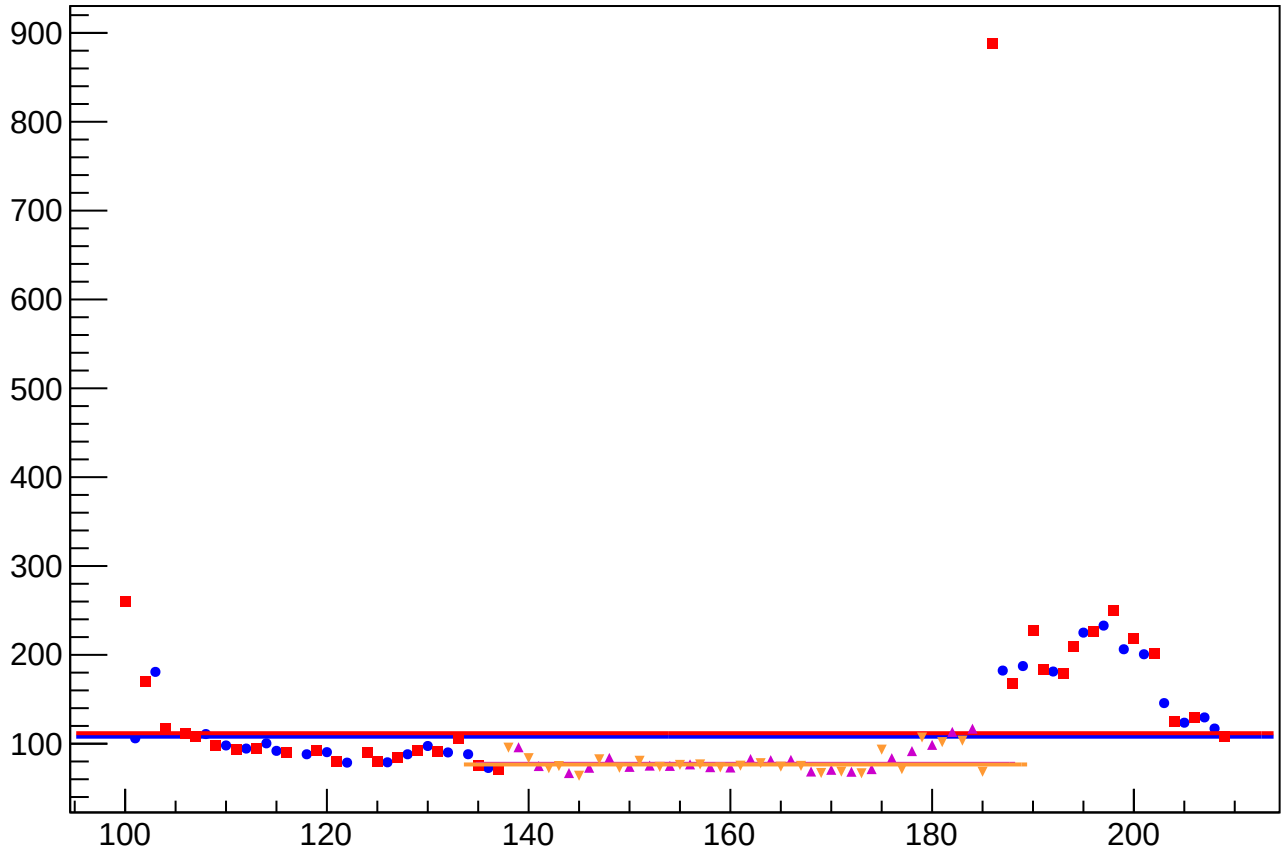
Left: 53.525+/-12.716 χ^2/NDF: 62.3/47

Right: 0.007+/-20.632 χ^2/NDF: 75.3/58

In: 44.893+/-15.500 χ^2/NDF:57.7/49

Out: 32.985+/-15.124 χ^2/NDF:84.5/56

All: 38.793+/-10.825 χ^2/NDF: 142.5/106



Right In: 107.902+/-0.021 χ^2/NDF: 3514013.2/26

Left Out: 76.646+/-0.012 χ^2/NDF:654608.7/24

Right Out: 111.818+/-0.021 χ^2/NDF: 4610847.5/31

Left In: 77.348+/-0.013 χ^2/NDF:590414.8/22

Left: 76.985+/-0.009 χ^2/NDF: 1246545.1/47

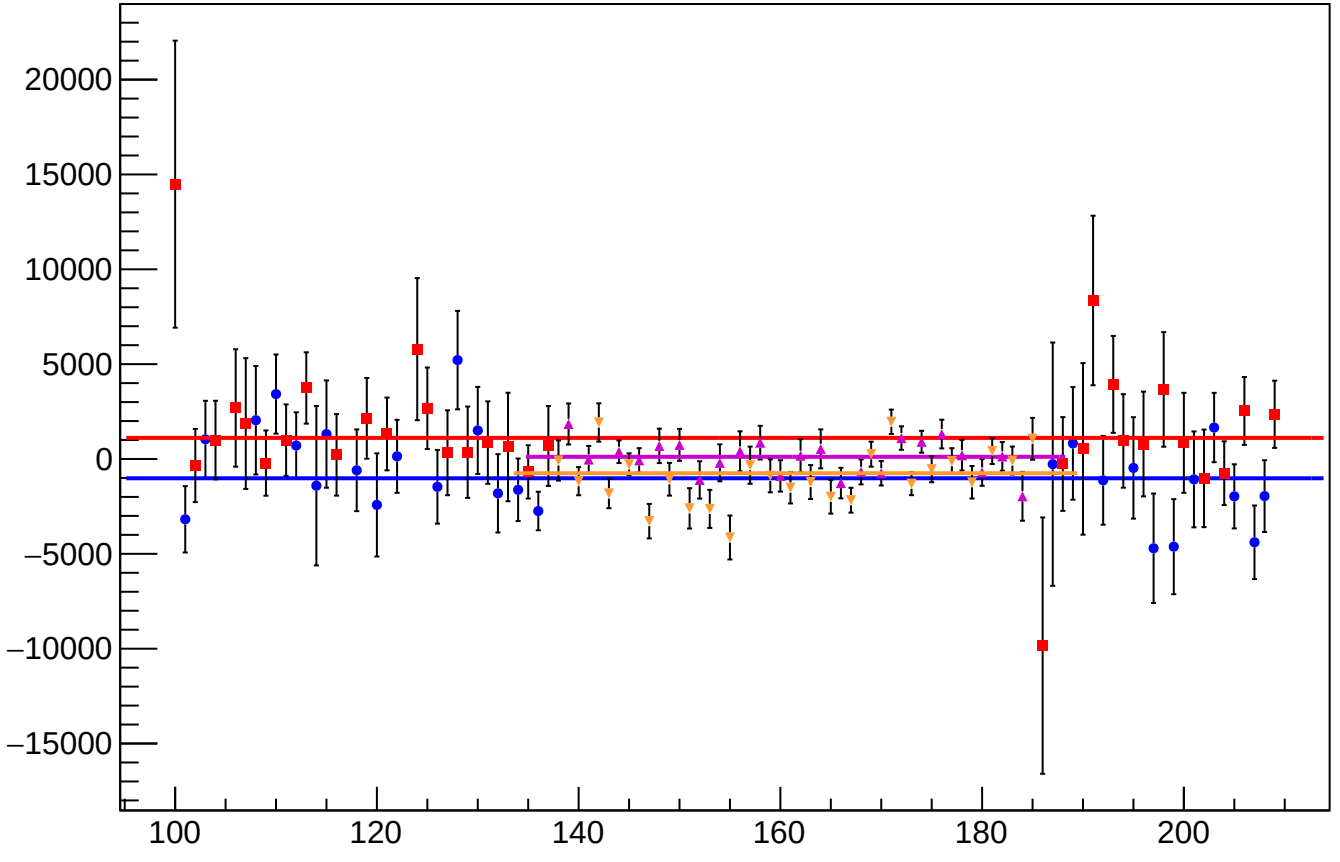
Right: 109.848+/-0.015 χ^2/NDF: 8142873.8/58

In: 86.022+/-0.011 χ^2/NDF:5684238.9/49

Out: 86.040+/-0.011 χ^2/NDF:7382701.5/56

All: 86.031+/-0.008 χ^2/NDF: 13066941.8/106

asym_sam_2468_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -1017.130+/-397.879 χ^2/NDF: 30.6/26

Left Out: -749.632+/-158.081 χ^2/NDF:70.0/24

Right Out: 1112.205+/-402.505 χ^2/NDF: 21.6/31

Left In: 113.799+/-161.809 χ^2/NDF:25.1/22

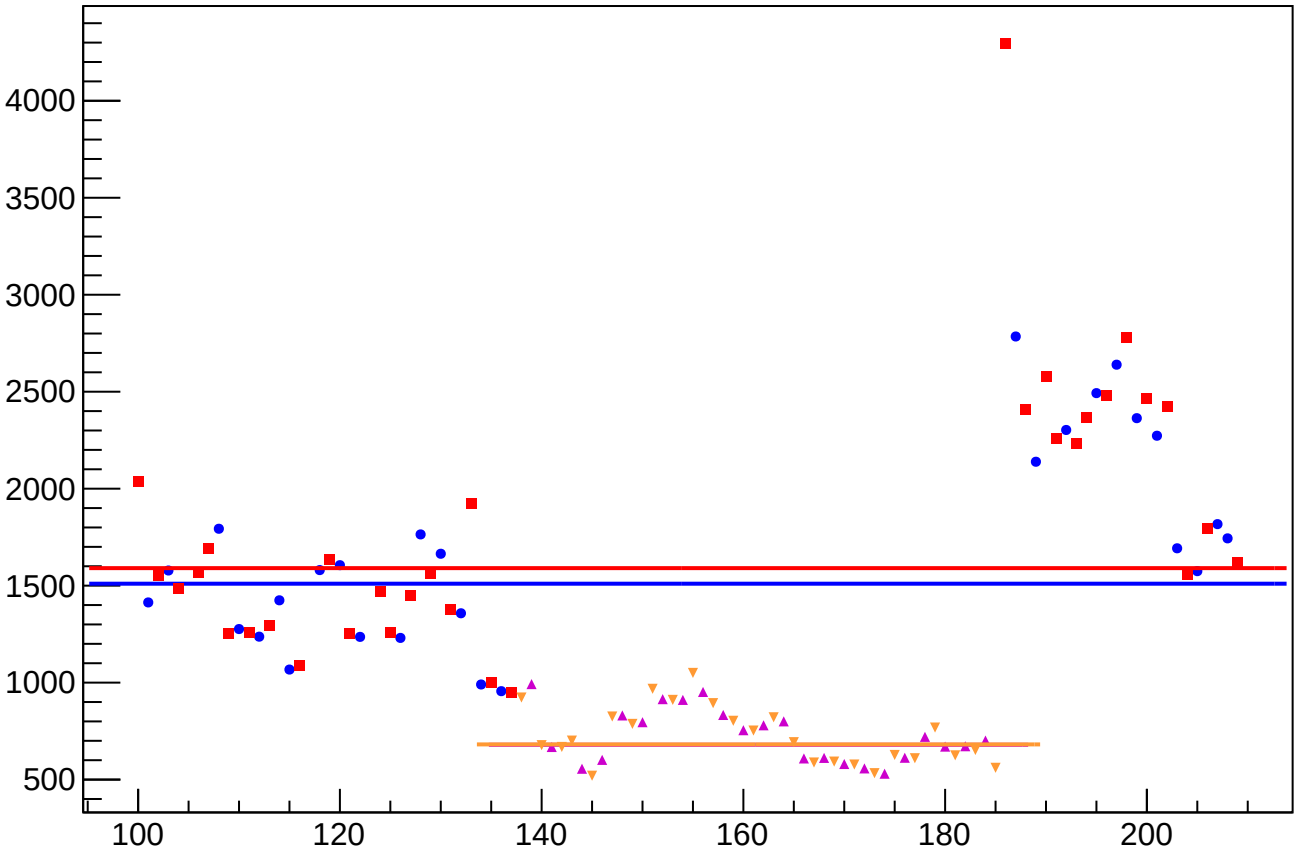
Left: -327.978+/-113.075 χ^2/NDF: 109.6/47

Right: 35.229+/-282.964 χ^2/NDF: 66.4/58

In: -46.699+/-149.888 χ^2/NDF:62.6/49

Out: -500.827+/-147.140 χ^2/NDF:110.1/56

All: -277.965+/-105.002 χ^2/NDF: 177.4/106



Right In: 1510.062+/-0.281 χ^2/NDF: 2564469.4/26

Left Out: 681.426+/-0.112 χ^2/NDF:1334214.9/24

Right Out: 1590.327+/-0.285 χ^2/NDF: 2998778.4/31

Left In: 679.414+/-0.114 χ^2/NDF:1185265.0/22

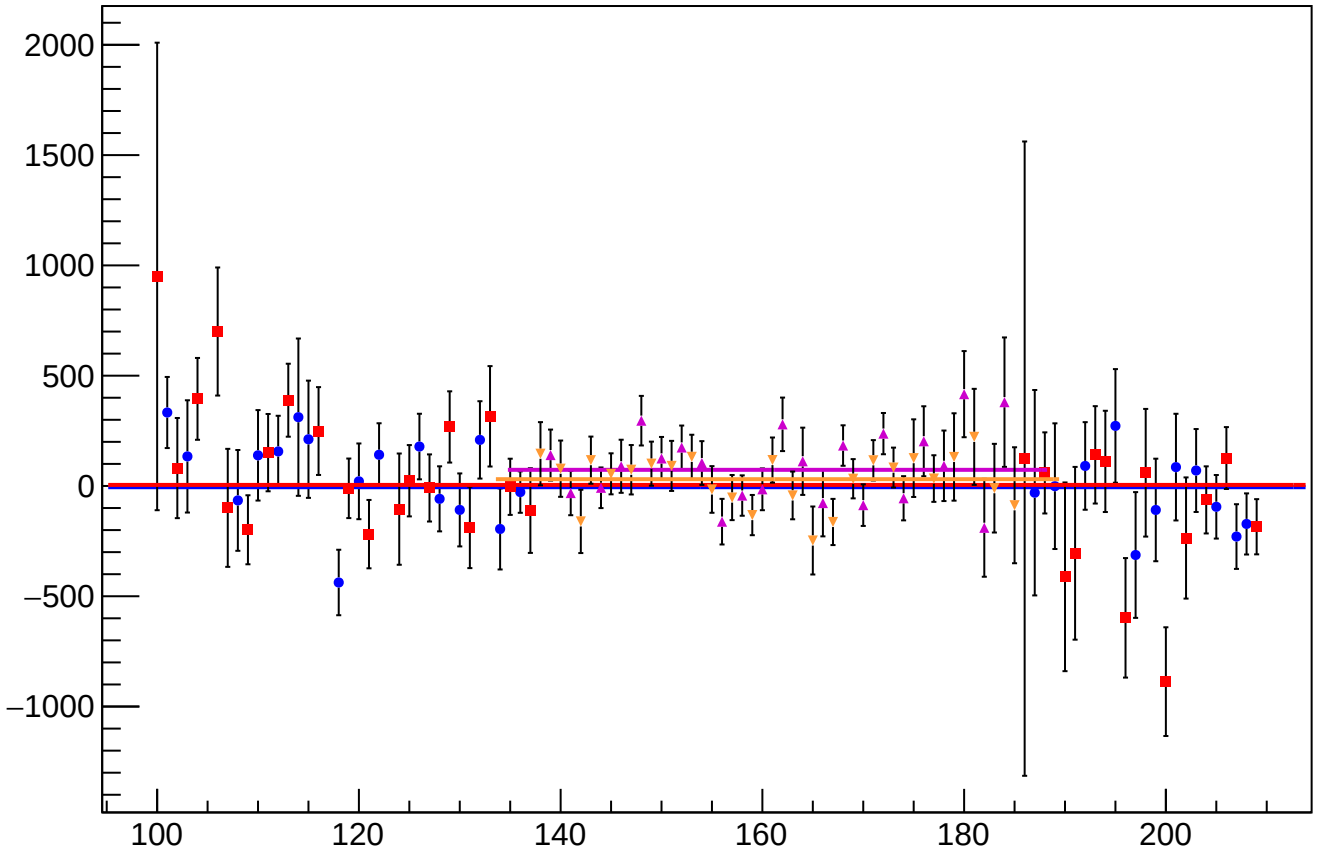
Left: 680.443+/-0.080 χ^2/NDF: 2519638.2/47

Right: 1549.730+/-0.200 χ^2/NDF: 5603473.9/58

In: 797.297+/-0.106 χ^2/NDF:11229564.1/49

Out: 802.886+/-0.104 χ^2/NDF:13168285.4/56

All: 800.143+/-0.074 χ^2/NDF: 24399266.0/10



Right In: -5.641+/-33.925 χ^2/NDF: 29.2/26

Left Out: 30.684+/-22.856 χ^2/NDF:19.9/24

Right Out: 4.759+/-33.814 χ^2/NDF: 53.1/31

Left In: 73.147+/-23.510 χ^2/NDF:34.5/22

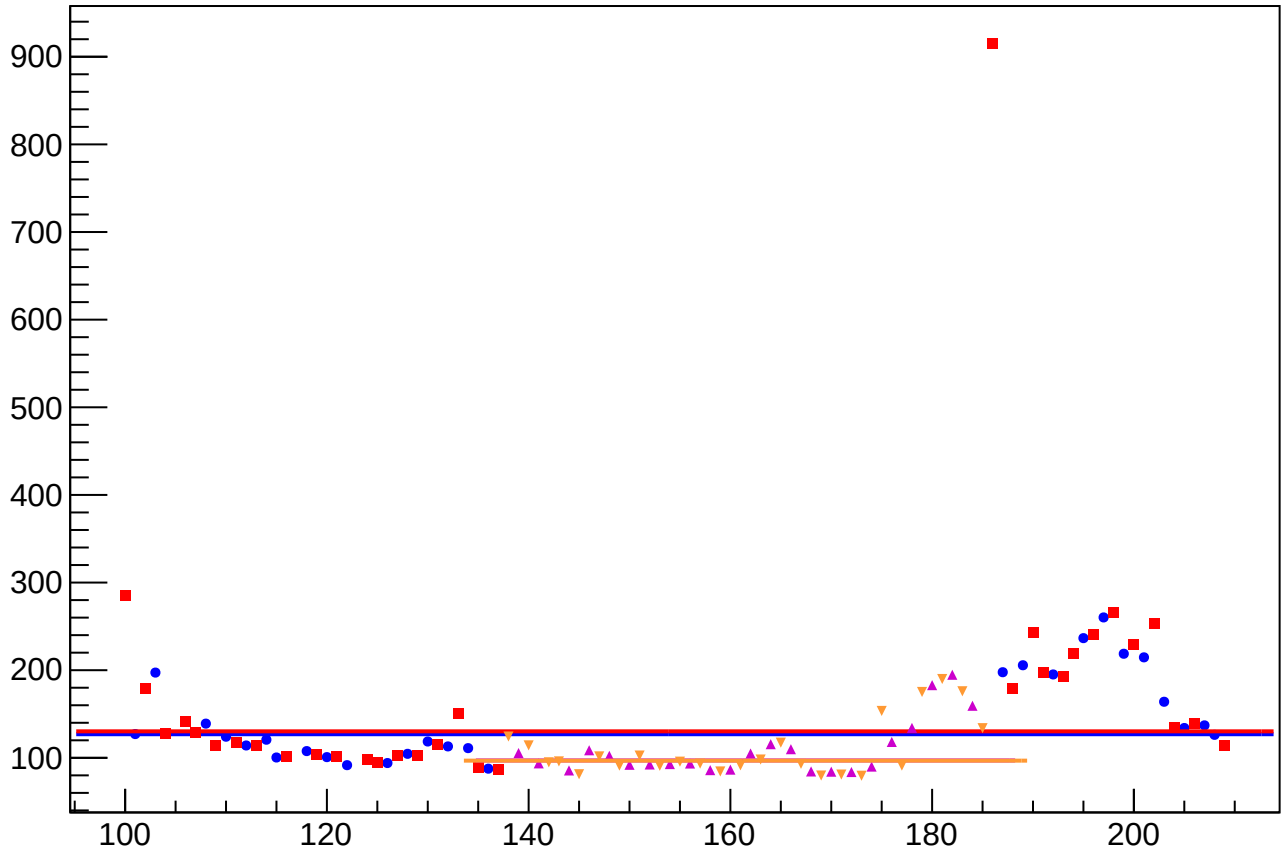
Left: 51.316+/-16.388 χ^2/NDF: 56.1/47

Right: -0.424+/-23.949 χ^2/NDF: 82.4/58

In: 47.585+/-19.324 χ^2/NDF:67.3/49

Out: 22.554+/-18.936 χ^2/NDF:73.5/56

All: 34.816+/-13.525 χ^2/NDF: 141.7/106



Right In: 126.950+/-0.024 χ^2/NDF: 2821920.4/26

Left Out: 96.794+/-0.016 χ^2/NDF:1720415.9/24

Right Out: 130.247+/-0.024 χ^2/NDF: 3910065.6/31

Left In: 97.017+/-0.017 χ^2/NDF:1321187.5/22

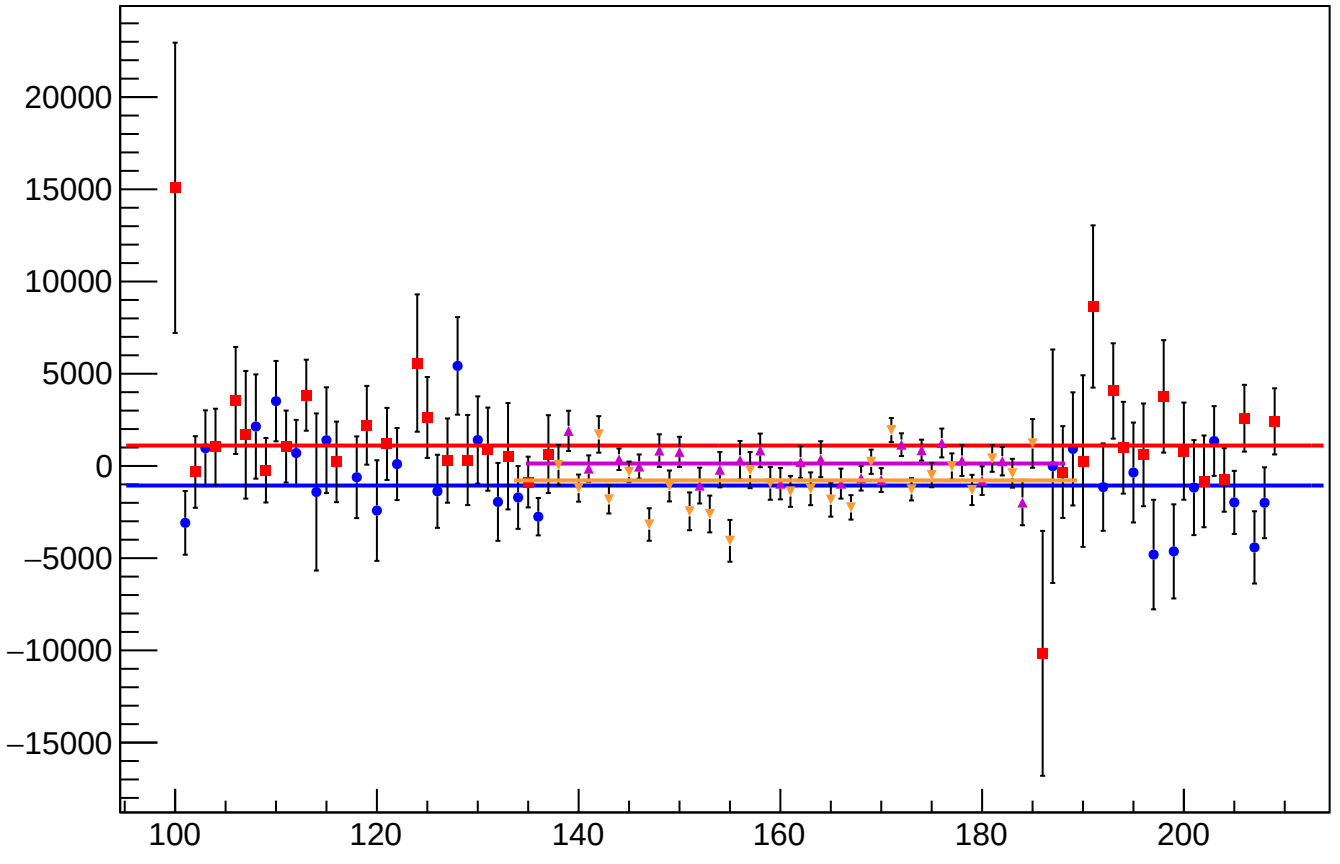
Left: 96.902+/-0.012 χ^2/NDF: 3041695.3/47

Right: 128.604+/-0.017 χ^2/NDF: 6741464.0/58

In: 106.728+/-0.014 χ^2/NDF:5194967.3/49

Out: 107.285+/-0.013 χ^2/NDF:6974069.9/56

All: 107.012+/-0.010 χ^2/NDF: 12169883.7/10



Right In: -1062.016+/-404.015 χ^2/NDF: 29.8/26

Left Out: -783.756+/-158.329 χ^2/NDF:66.3/24

Right Out: 1106.347+/-406.037 χ^2/NDF: 23.1/31

Left In: 131.380+/-162.409 χ^2/NDF:24.3/22

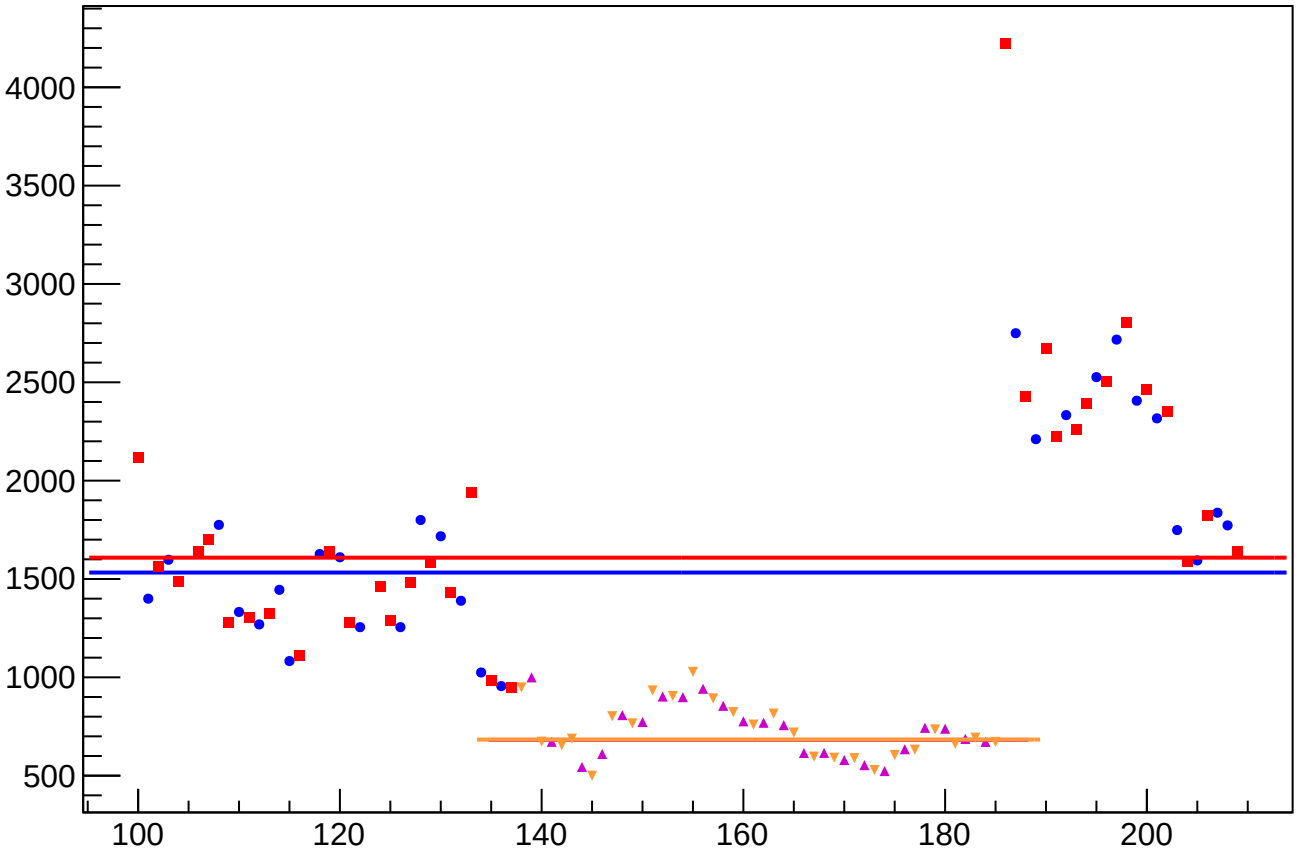
Left: -337.829+/-113.371 χ^2/NDF: 106.9/47

Right: 16.754+/-286.394 χ^2/NDF: 67.2/58

In: -34.638+/-150.690 χ^2/NDF:61.5/49

Out: -534.295+/-147.511 χ^2/NDF:108.2/56

All: -289.793+/-105.412 χ^2/NDF: 175.4/106



Right In: 1532.773+/-0.286 χ^2/NDF: 2605660.5/26

Left Out: 683.698+/-0.112 χ^2/NDF:1297969.4/24

Right Out: 1608.475+/-0.287 χ^2/NDF: 2971727.9/31

Left In: 681.961+/-0.115 χ^2/NDF:1186135.0/22

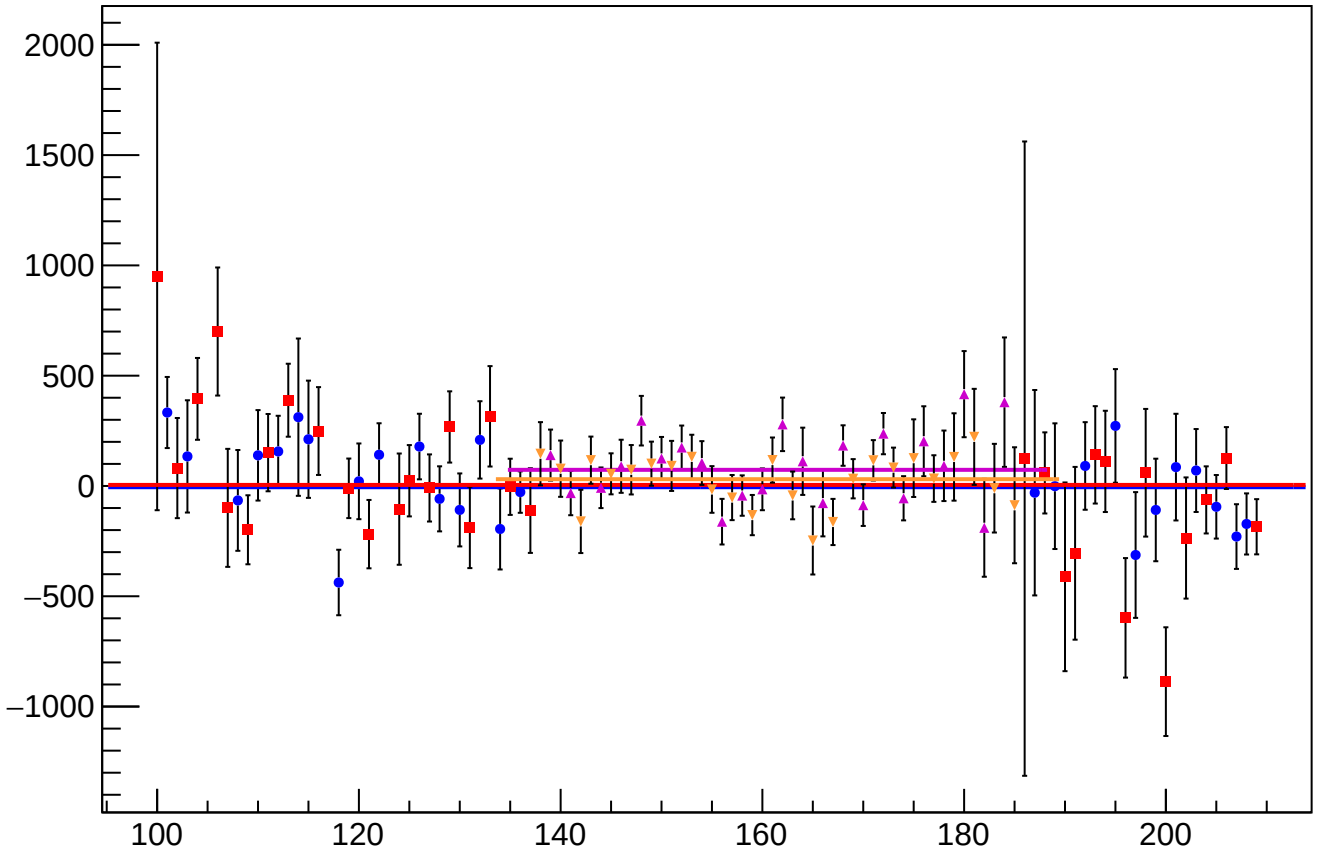
Left: 682.852+/-0.080 χ^2/NDF: 2484221.6/47

Right: 1570.435+/-0.203 χ^2/NDF: 5612322.2/58

In: 800.322+/-0.107 χ^2/NDF:11427457.5/49

Out: 805.752+/-0.104 χ^2/NDF:13275067.9/56

All: 803.095+/-0.075 χ^2/NDF: 24703851.9/10



Right In: -5.639+/-33.925 χ^2/NDF: 29.2/26

Left Out: 30.684+/-22.856 χ^2/NDF:19.9/24

Right Out: 4.757+/-33.814 χ^2/NDF: 53.1/31

Left In: 73.146+/-23.510 χ^2/NDF:34.5/22

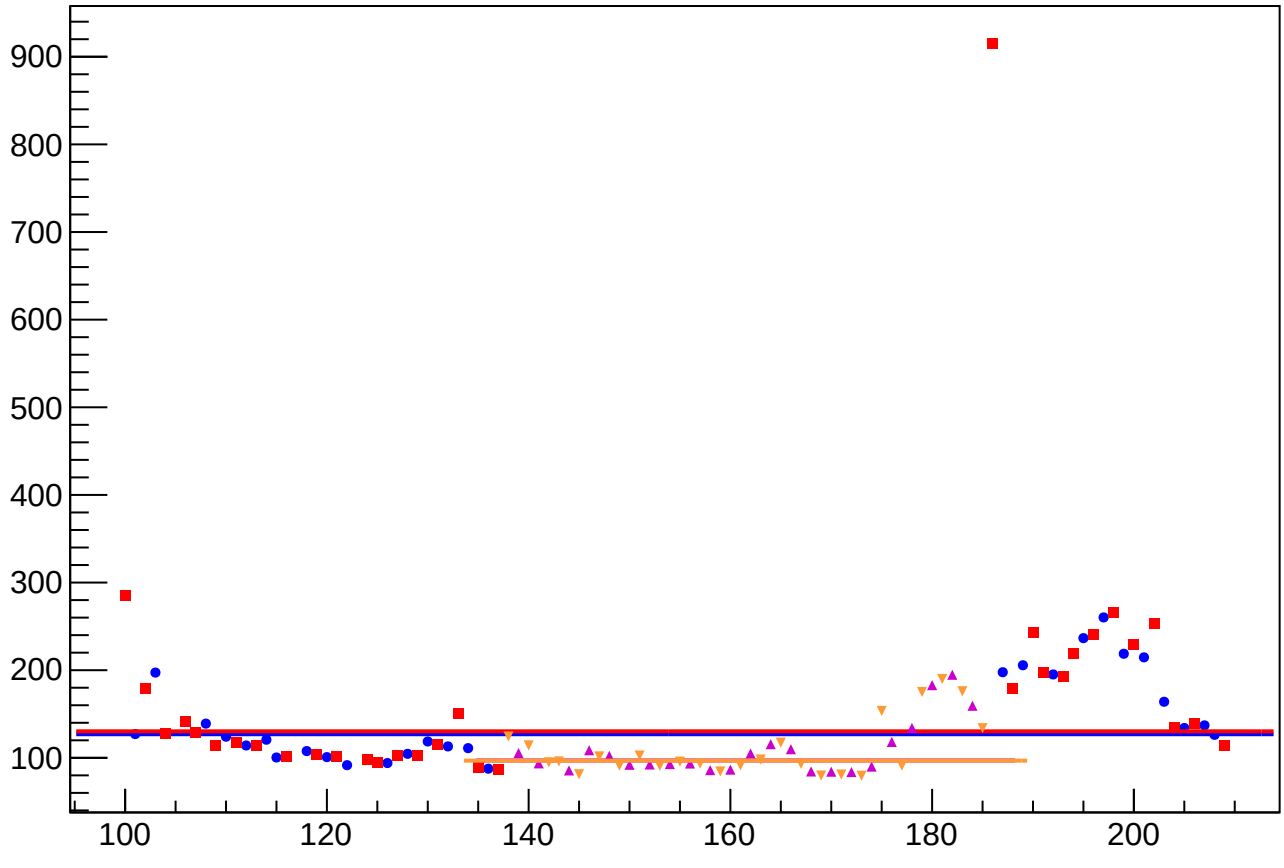
Left: 51.316+/-16.388 χ^2/NDF: 56.1/47

Right: -0.424+/-23.949 χ^2/NDF: 82.4/58

In: 47.584+/-19.324 χ^2/NDF:67.3/49

Out: 22.554+/-18.936 χ^2/NDF:73.5/56

All: 34.815+/-13.525 χ^2/NDF: 141.7/106



Right In: 126.949+/-0.024 χ^2/NDF: 2821939.0/26

Left Out: 96.795+/-0.016 χ^2/NDF:1720415.9/24

Right Out: 130.246+/-0.024 χ^2/NDF: 3910097.3/31

Left In: 97.017+/-0.017 χ^2/NDF:1321171.2/22

Left: 96.903+/-0.012 χ^2/NDF: 3041679.0/47

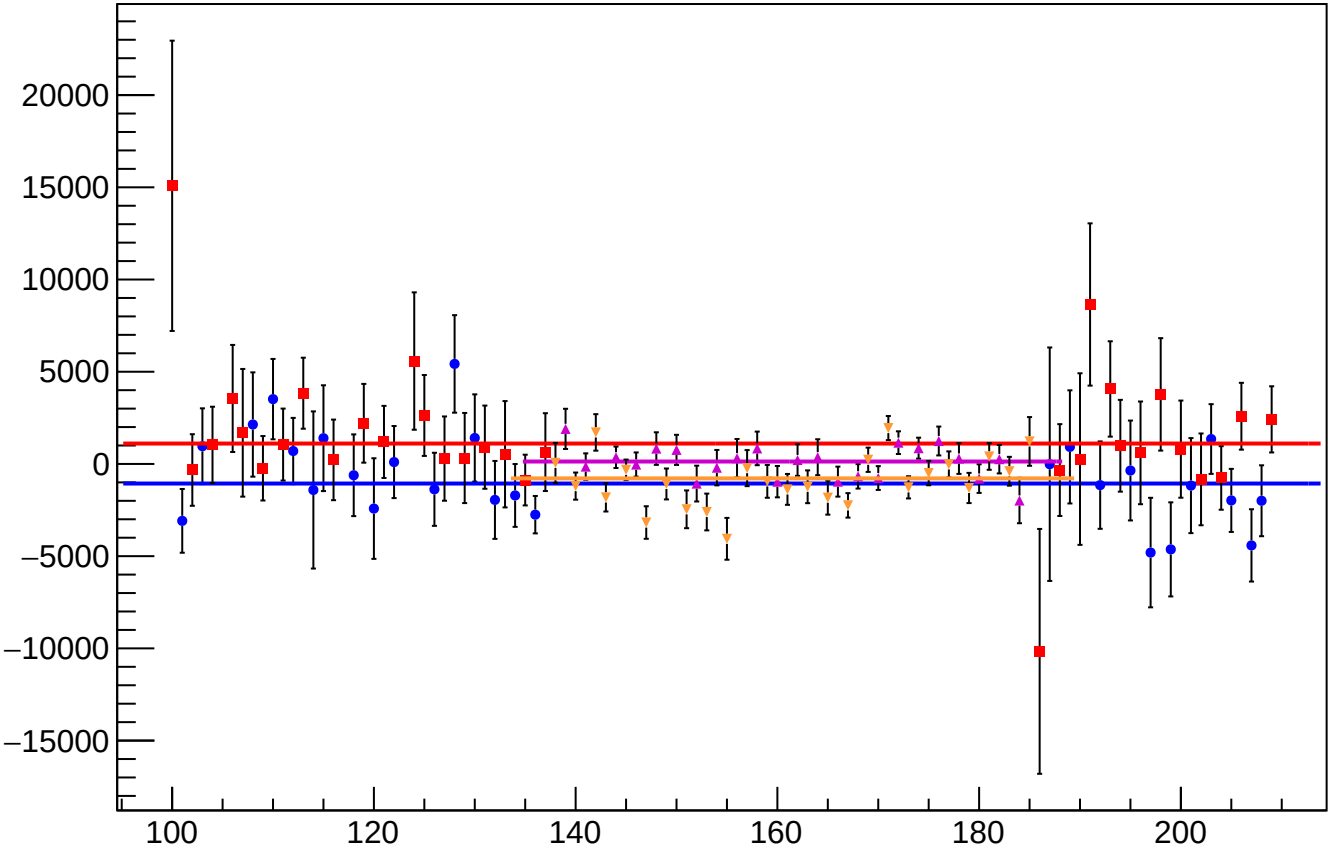
Right: 128.603+/-0.017 χ^2/NDF: 6741515.2/58

In: 106.728+/-0.014 χ^2/NDF:5194905.5/49

Out: 107.285+/-0.013 χ^2/NDF:6974039.6/56

All: 107.012+/-0.010 χ^2/NDF: 12169791.8/10

asym_sam_2468_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -1062.010+/-404.014 χ^2/NDF: 29.8/26

Left Out: -783.754+/-158.328 χ^2/NDF:66.3/24

Right Out: 1106.345+/-406.036 χ^2/NDF: 23.1/31

Left In: 131.379+/-162.409 χ^2/NDF:24.3/22

Left: -337.829+/-113.370 χ^2/NDF: 106.9/47

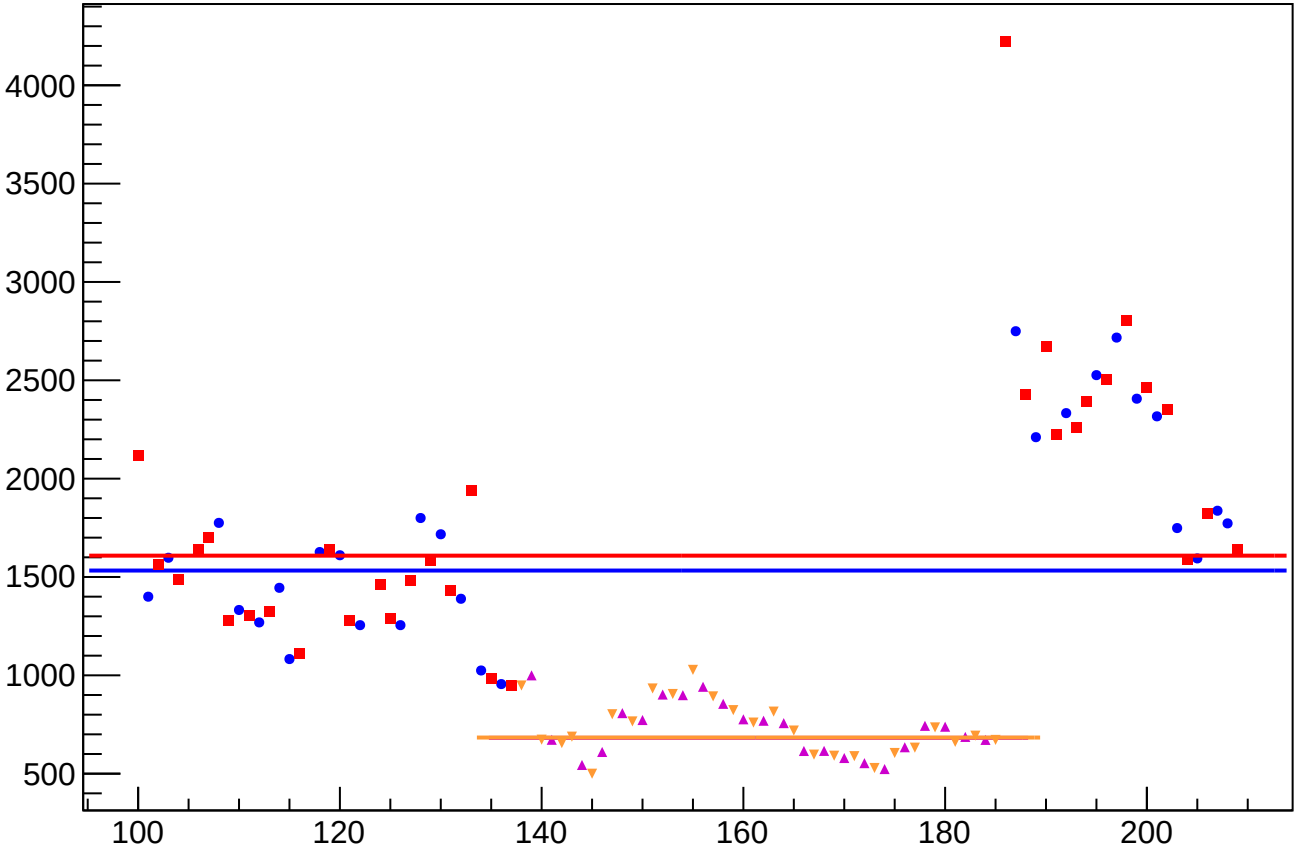
Right: 16.756+/-286.394 χ^2/NDF: 67.2/58

In: -34.638+/-150.689 χ^2/NDF:61.5/49

Out: -534.294+/-147.511 χ^2/NDF:108.2/56

All: -289.792+/-105.412 χ^2/NDF: 175.4/106

asym_sam_2468_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 1532.770+/-0.286 χ^2/NDF: 2605668.3/26

Left Out: 683.696+/-0.112 χ^2/NDF:1297975.5/24

Right Out: 1608.472+/-0.287 χ^2/NDF: 2971738.5/31

Left In: 681.960+/-0.115 χ^2/NDF:1186136.6/22

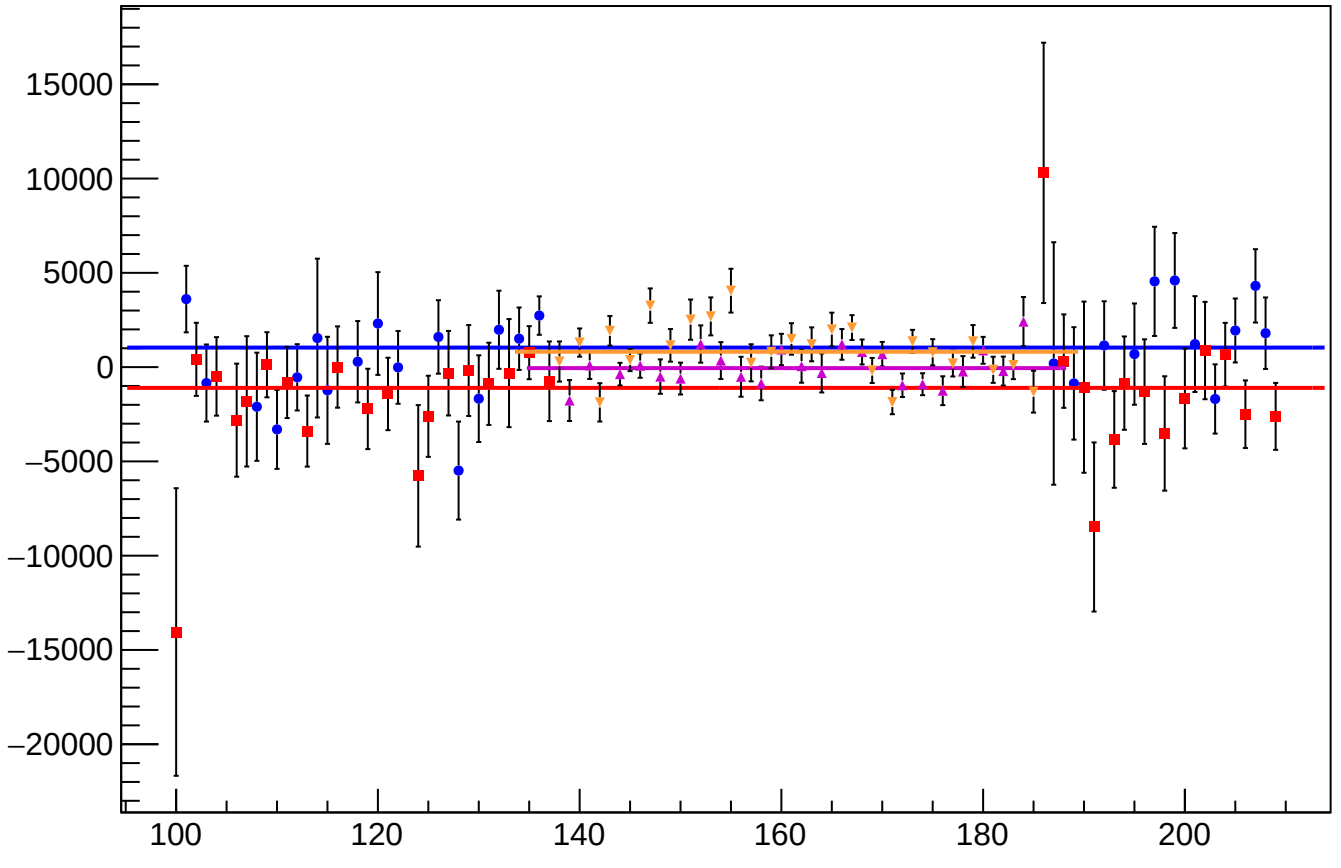
Left: 682.850+/-0.080 χ^2/NDF: 2484229.4/47

Right: 1570.432+/-0.203 χ^2/NDF: 5612340.7/58

In: 800.320+/-0.107 χ^2/NDF:11427470.9/49

Out: 805.751+/-0.104 χ^2/NDF:13275088.4/56

All: 803.093+/-0.075 χ^2/NDF: 24703885.8/10



Right In: 1035.510+/-399.305 χ^2/NDF: 30.8/26

Left Out: 814.067+/-159.256 χ^2/NDF:65.8/24

Right Out: -1100.554+/-403.549 χ^2/NDF: 21.3/31

Left In: -52.290+/-163.036 χ^2/NDF:25.4/22

Left: 391.048+/-113.924 χ^2/NDF: 105.6/47

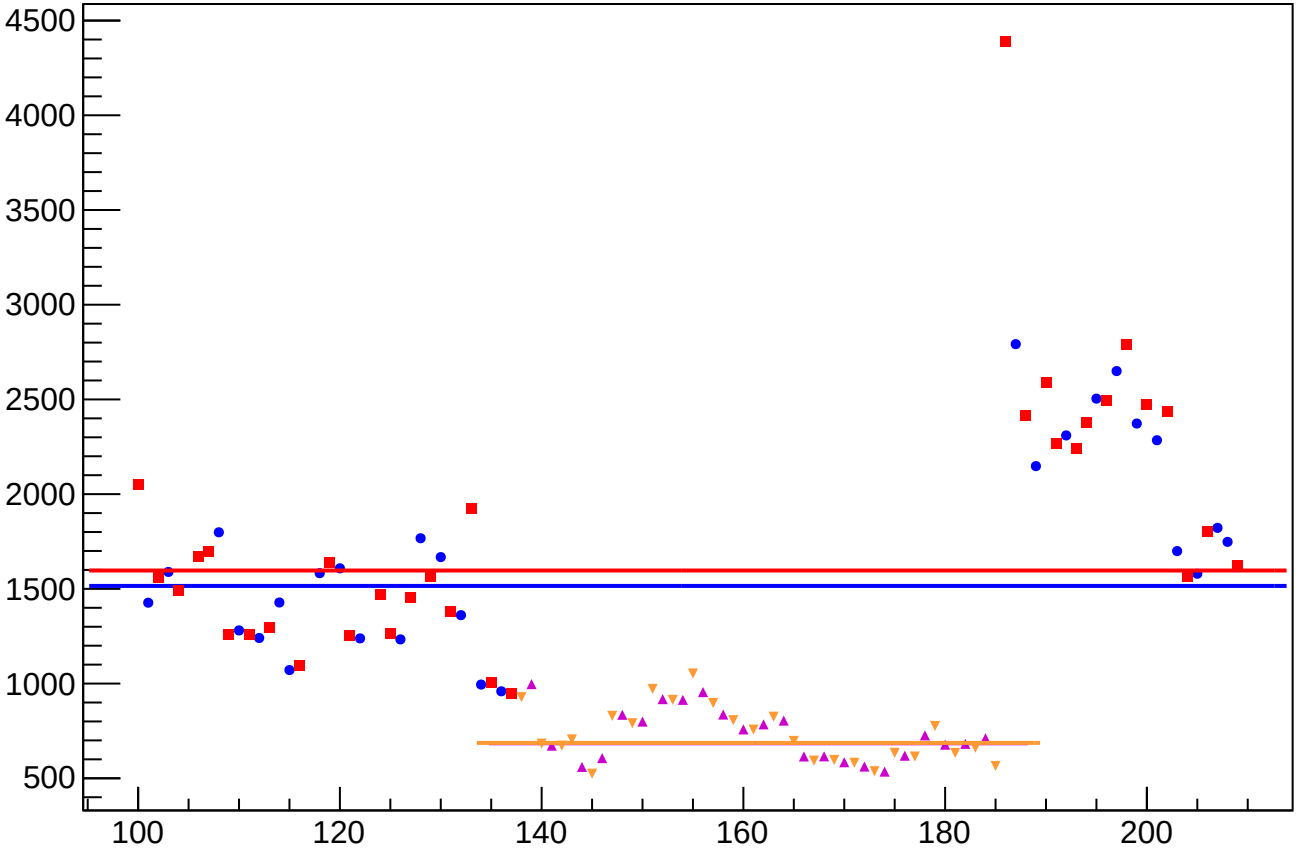
Right: -21.232+/-283.840 χ^2/NDF: 66.3/58

In: 103.143+/-150.939 χ^2/NDF:62.5/49

Out: 556.066+/-148.138 χ^2/NDF:106.6/56

All: 333.846+/-105.726 χ^2/NDF: 173.7/106

asym_sam_2468_avg_rms vs Slug, Sign Corrected



Right In: 1515.476+/-0.282 χ^2/NDF: 2565547.5/26

Left Out: 686.700+/-0.113 χ^2/NDF:1312231.8/24

Right Out: 1596.853+/-0.285 χ^2/NDF: 3012002.4/31

Left In: 684.763+/-0.115 χ^2/NDF:1165205.5/22

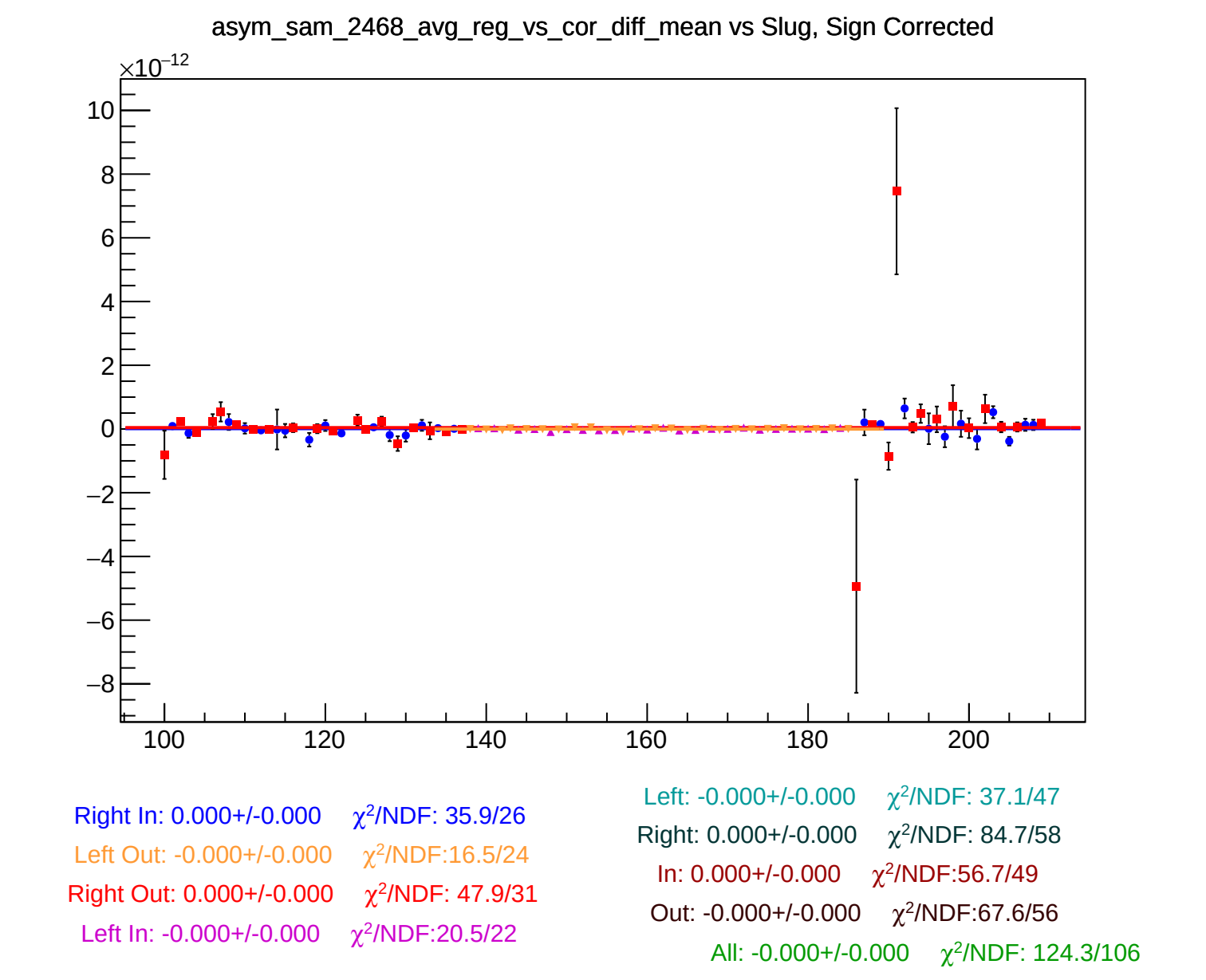
Left: 685.754+/-0.081 χ^2/NDF: 2477581.6/47

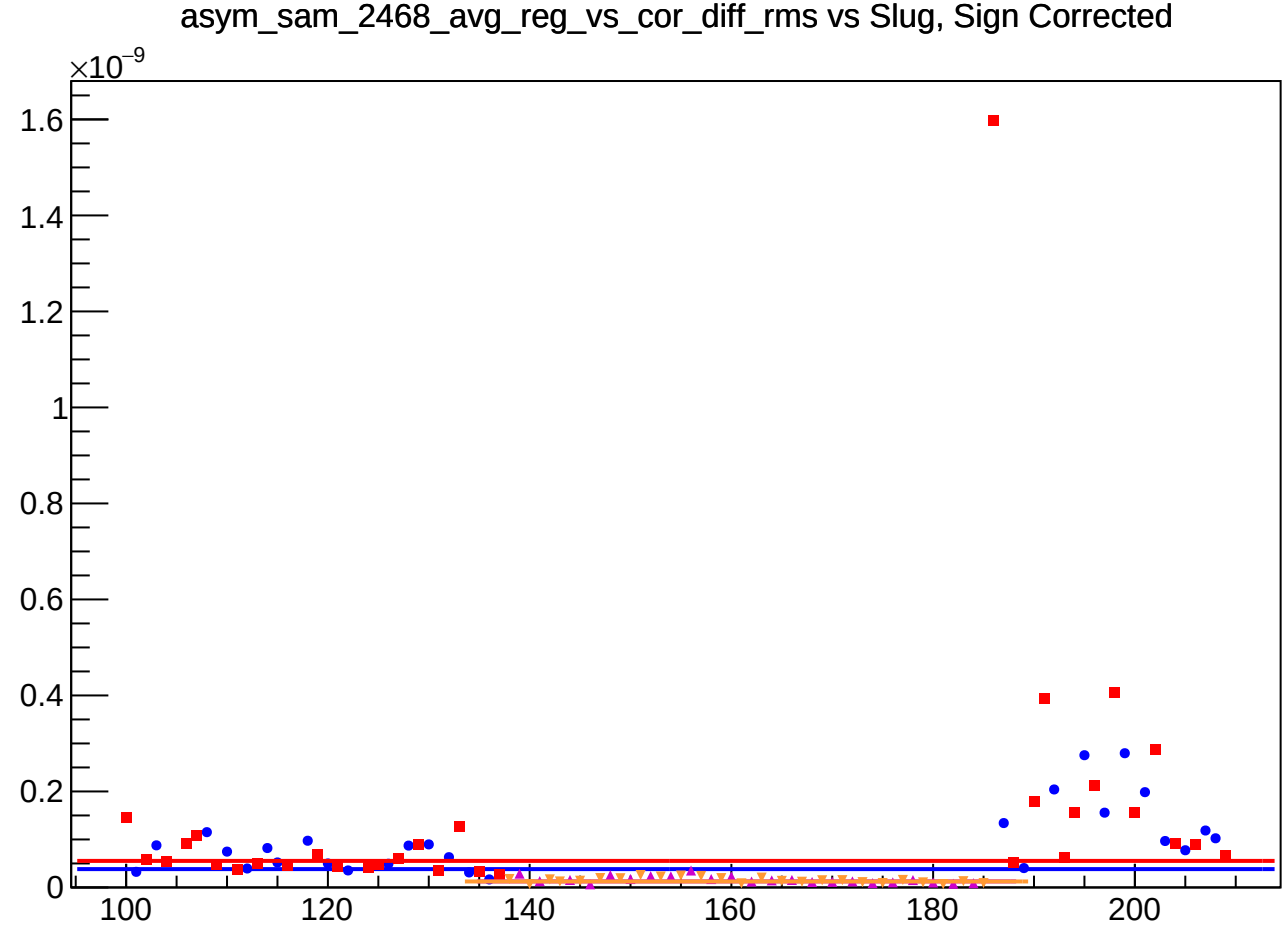
Right: 1555.734+/-0.201 χ^2/NDF: 5618643.0/58

In: 803.462+/-0.107 χ^2/NDF:11150002.4/49

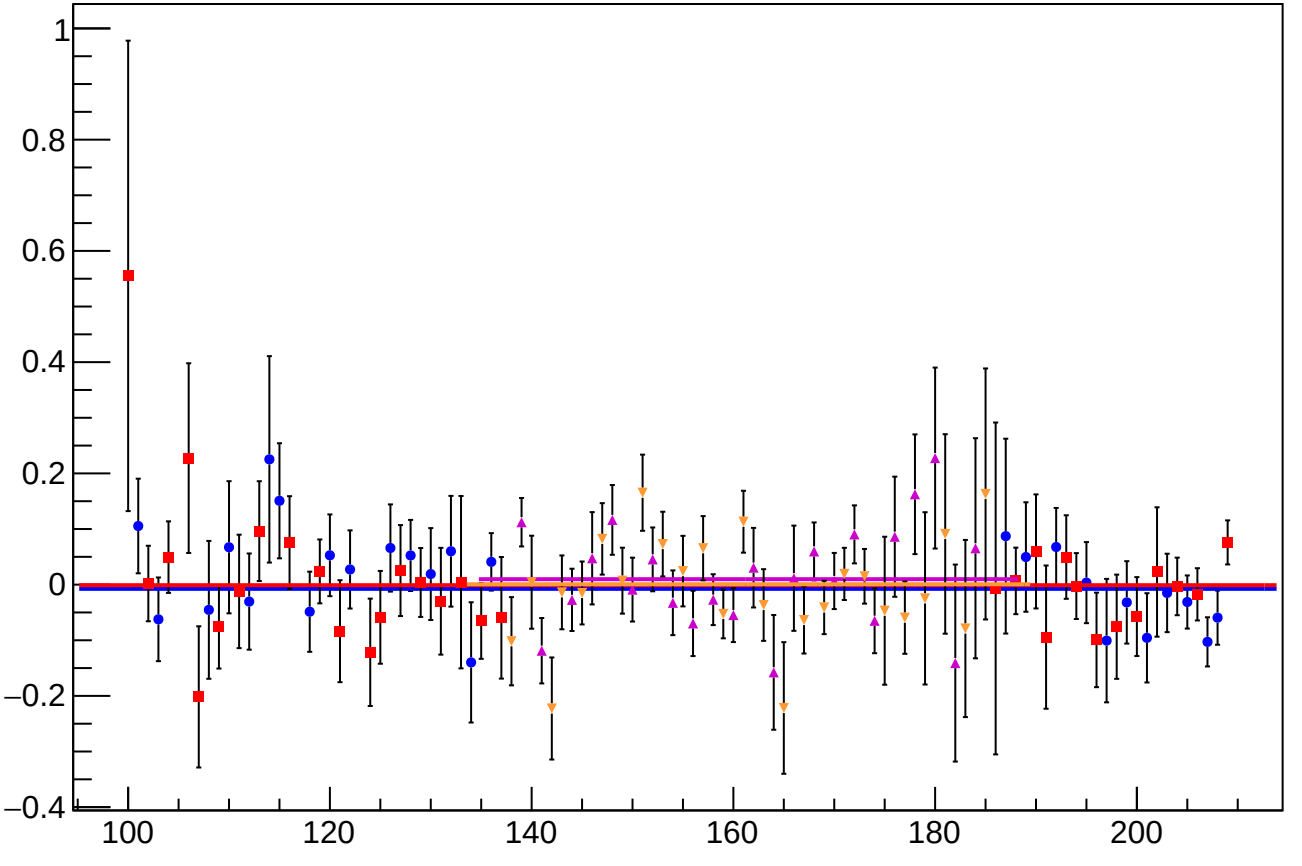
Out: 809.346+/-0.105 χ^2/NDF:13126746.6/56

All: 806.459+/-0.075 χ^2/NDF: 24278297.3/10


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
Right In: 0.000+/-0.000 χ²/NDF: 35.9/26
Left Out: -0.000+/-0.000 χ²/NDF:16.5/24
Right Out: 0.000+/-0.000 χ²/NDF: 47.9/31
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: 84.7/58
In: 0.000+/-0.000 χ²/NDF:56.7/49
Out: -0.000+/-0.000 χ²/NDF:67.6/56
All: -0.000+/-0.000 χ²/NDF: 124.3/106


asym_sam_2468_avg_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
100
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 5750021.2/26
Left Out: 0.000+/-0.000 χ²/NDF:1742020.0/24
Right Out: 0.000+/-0.000 χ²/NDF: 3584191.7/31
Left In: 0.000+/-0.000 χ²/NDF:1961578.1/22
Left: 0.000+/-0.000 χ²/NDF: 3704338.4/47
Right: 0.000+/-0.000 χ²/NDF: 9892396.9/58
In: 0.000+/-0.000 χ²/NDF:10656565.1/49
Out: 0.000+/-0.000 χ²/NDF:10896993.0/56
All: 0.000+/-0.000 χ²/NDF: 21553721.5/106

asym_sam_2468_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.008+/-0.014 χ^2/NDF: 22.6/26

Left Out: 0.001+/-0.013 χ^2/NDF:31.7/24

Right Out: -0.001+/-0.013 χ^2/NDF: 22.0/31

Left In: 0.010+/-0.013 χ^2/NDF:31.9/22

Left: 0.005+/-0.009 χ^2/NDF: 63.8/47

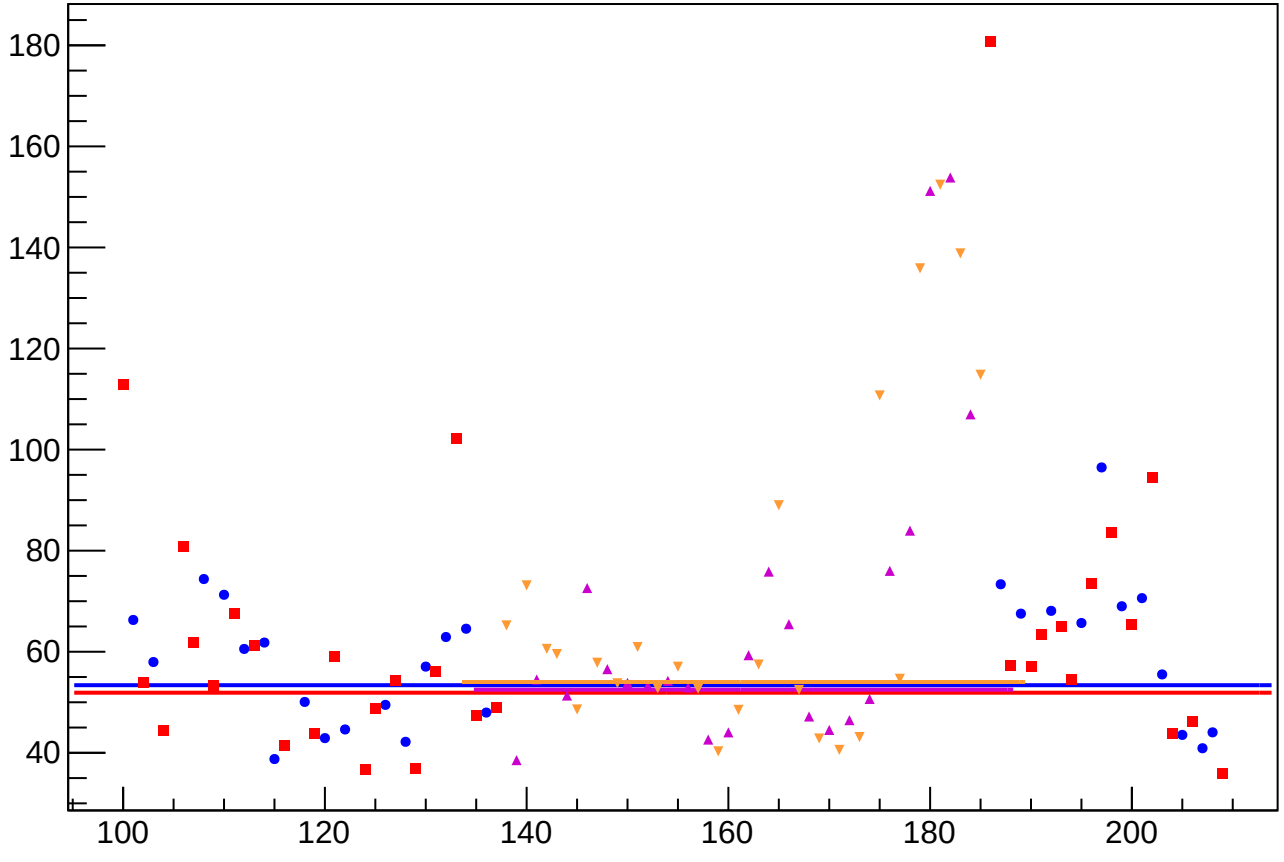
Right: -0.004+/-0.010 χ^2/NDF: 44.7/58

In: 0.002+/-0.010 χ^2/NDF:55.3/49

Out: -0.000+/-0.009 χ^2/NDF:53.7/56

All: 0.001+/-0.007 χ^2/NDF: 109.0/106

asym_sam_2468_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 53.380+/-0.010 χ^2/NDF: 1436516.5/26

Left Out: 54.014+/-0.009 χ^2/NDF:3227550.5/24

Right Out: 51.893+/-0.010 χ^2/NDF: 2266688.5/31

Left In: 52.502+/-0.009 χ^2/NDF:2557763.5/22

Left: 53.257+/-0.007 χ^2/NDF: 5798378.9/47

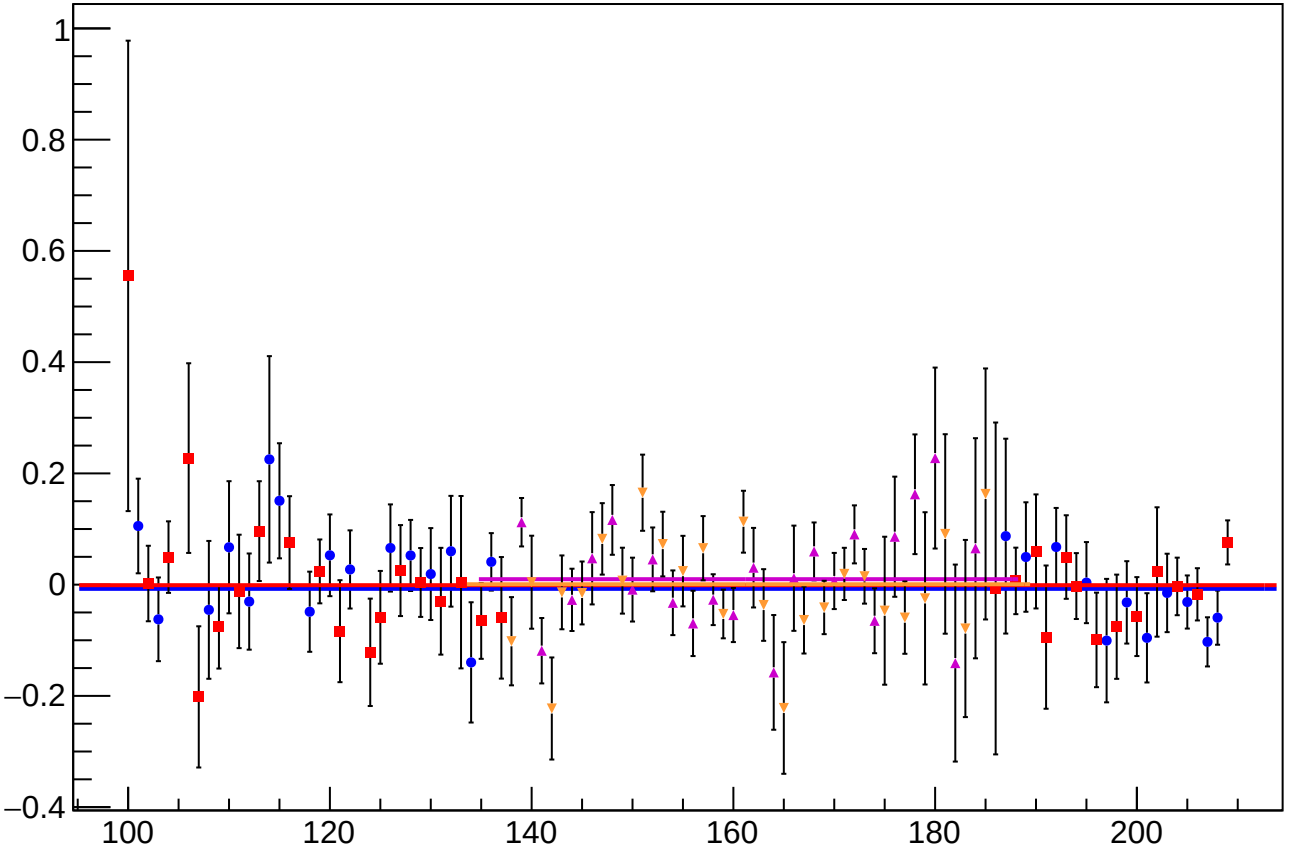
Right: 52.593+/-0.007 χ^2/NDF: 3714724.7/58

In: 52.908+/-0.007 χ^2/NDF:3998363.1/49

Out: 52.970+/-0.007 χ^2/NDF:5519508.3/56

All: 52.940+/-0.005 χ^2/NDF: 9517913.3/106

asym_sam_2468_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.008+/-0.014 χ^2/NDF: 22.6/26

Left Out: 0.001+/-0.013 χ^2/NDF:31.7/24

Right Out: -0.001+/-0.013 χ^2/NDF: 22.0/31

Left In: 0.010+/-0.013 χ^2/NDF:31.9/22

Left: 0.005+/-0.009 χ^2/NDF: 63.8/47

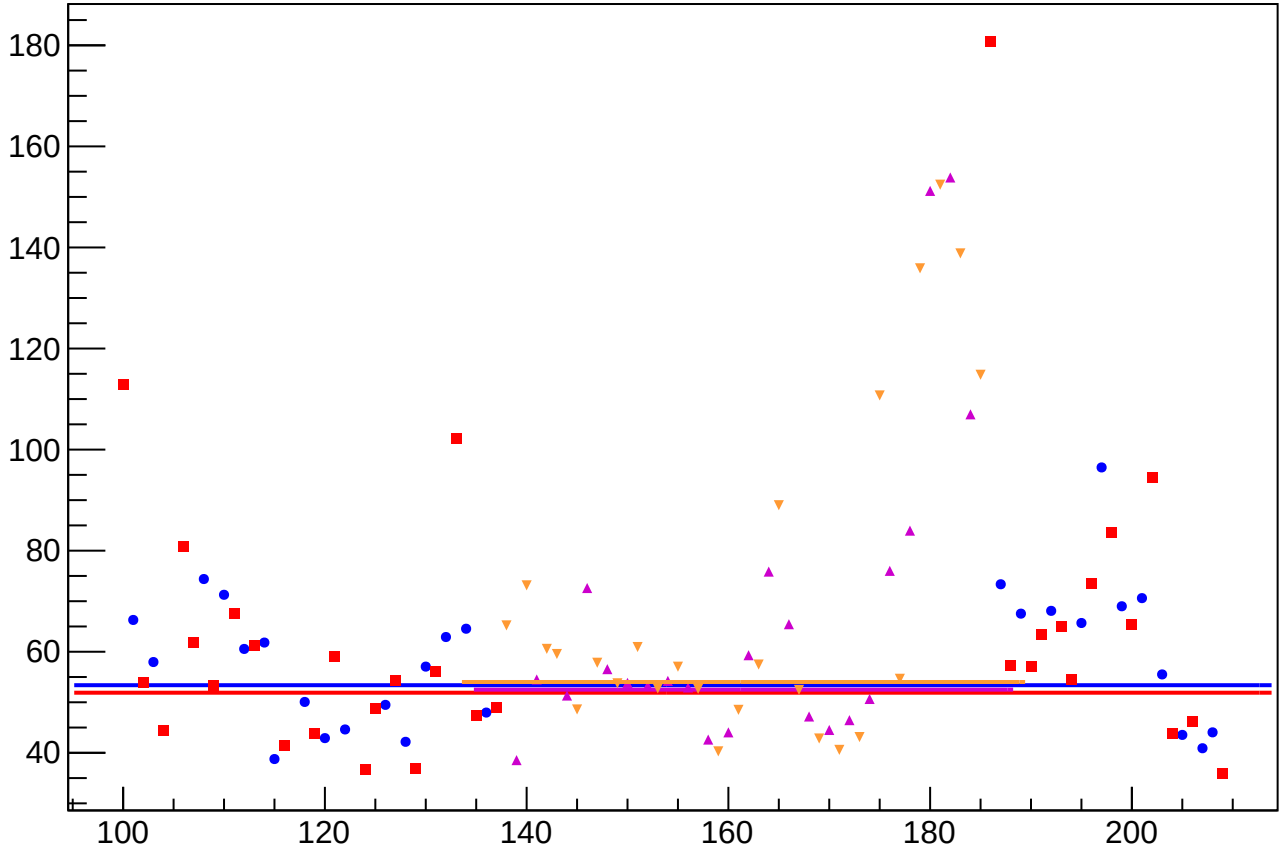
Right: -0.004+/-0.010 χ^2/NDF: 44.7/58

In: 0.002+/-0.010 χ^2/NDF:55.3/49

Out: -0.000+/-0.009 χ^2/NDF:53.7/56

All: 0.001+/-0.007 χ^2/NDF: 109.0/106

asym_sam_2468_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 53.380+/-0.010 χ^2/NDF: 1436516.5/26

Left Out: 54.014+/-0.009 χ^2/NDF:3227550.5/24

Right Out: 51.893+/-0.010 χ^2/NDF: 2266688.5/31

Left In: 52.502+/-0.009 χ^2/NDF:2557763.5/22

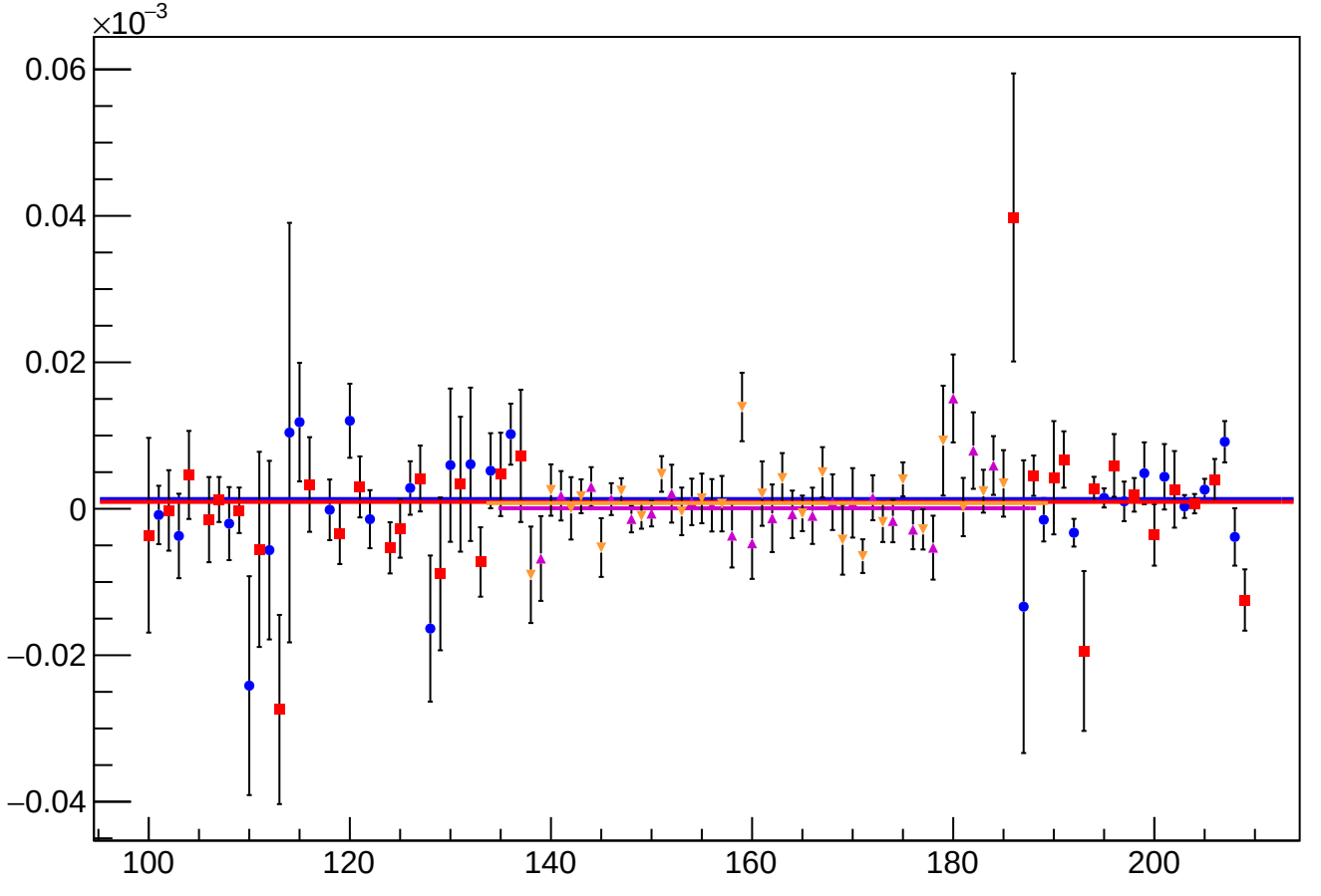
Left: 53.257+/-0.007 χ^2/NDF: 5798378.9/47

Right: 52.593+/-0.007 χ^2/NDF: 3714724.7/58

In: 52.908+/-0.007 χ^2/NDF:3998363.1/49

Out: 52.970+/-0.007 χ^2/NDF:5519508.3/56

All: 52.940+/-0.005 χ^2/NDF: 9517913.3/106



Right In: 0.000+/-0.000 χ^2/NDF: 39.6/26

Left Out: 0.000+/-0.000 χ^2/NDF:38.1/24

Right Out: 0.000+/-0.000 χ^2/NDF: 43.6/31

Left In: 0.000+/-0.000 χ^2/NDF:20.2/22

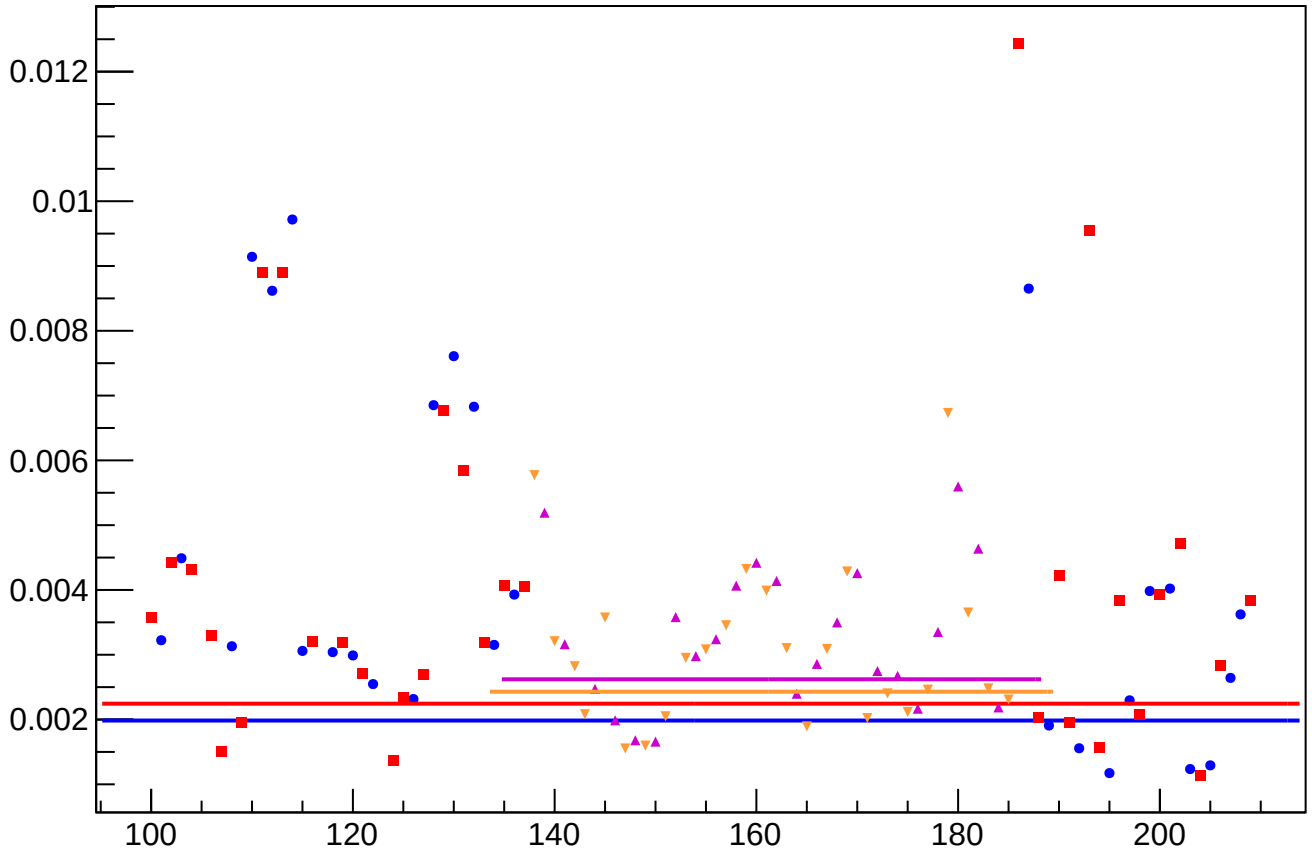
Left: 0.000+/-0.000 χ^2/NDF: 58.9/47

Right: 0.000+/-0.000 χ^2/NDF: 83.4/58

In: 0.000+/-0.000 χ^2/NDF:61.8/49

Out: 0.000+/-0.000 χ^2/NDF:81.7/56

All: 0.000+/-0.000 χ^2/NDF: 143.5/106



Right In: 0.002+/-0.000 χ^2/NDF: 7536726.0/26

Left Out: 0.002+/-0.000 χ^2/NDF:4218362.5/24

Right Out: 0.002+/-0.000 χ^2/NDF: 7925994.7/31

Left In: 0.003+/-0.000 χ^2/NDF:3955310.5/22

Left: 0.003+/-0.000 χ^2/NDF: 8267035.6/47

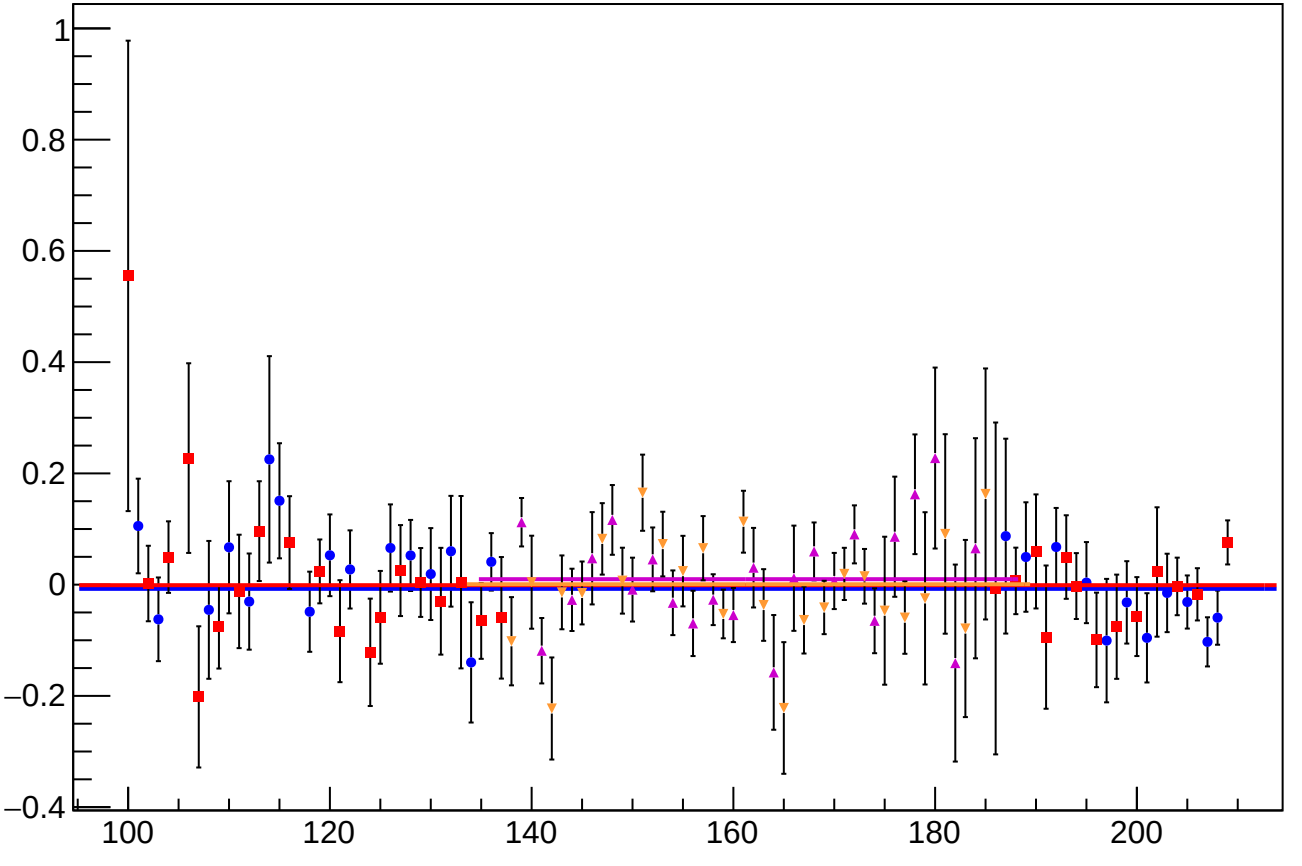
Right: 0.002+/-0.000 χ^2/NDF: 15639095.6/58

In: 0.002+/-0.000 χ^2/NDF:12514118.2/49

Out: 0.002+/-0.000 χ^2/NDF:12234562.8/56

All: 0.002+/-0.000 χ^2/NDF: 24777069.7/106

asym_sam_2468_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.008+/-0.014 χ^2/NDF: 22.6/26

Left Out: 0.001+/-0.013 χ^2/NDF:31.7/24

Right Out: -0.001+/-0.013 χ^2/NDF: 22.0/31

Left In: 0.010+/-0.013 χ^2/NDF:31.9/22

Left: 0.005+/-0.009 χ^2/NDF: 63.8/47

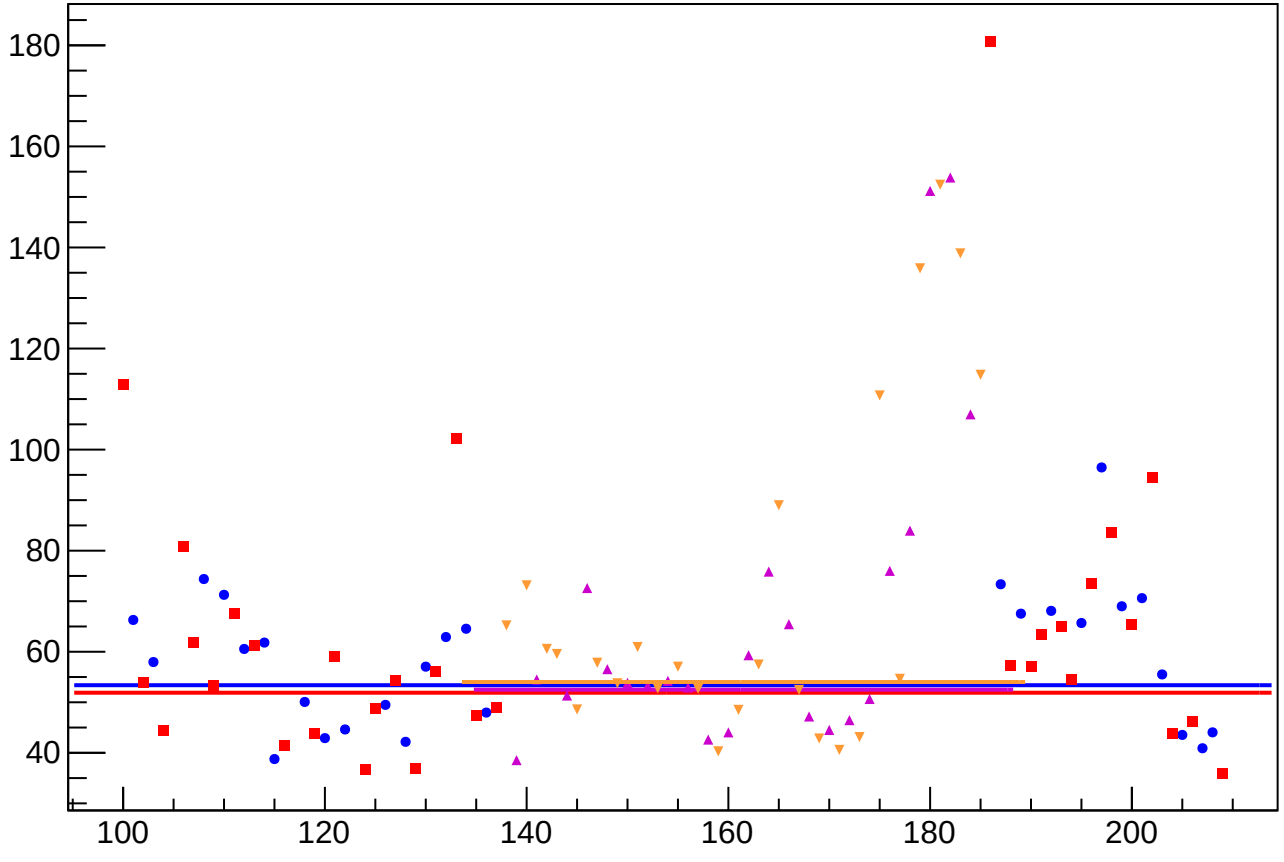
Right: -0.004+/-0.010 χ^2/NDF: 44.7/58

In: 0.002+/-0.010 χ^2/NDF:55.3/49

Out: -0.000+/-0.009 χ^2/NDF:53.7/56

All: 0.001+/-0.007 χ^2/NDF: 109.0/106

asym_sam_2468_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 53.380+/-0.010 χ^2/NDF: 1436448.5/26

Left Out: 54.014+/-0.009 χ^2/NDF:3227569.4/24

Right Out: 51.893+/-0.010 χ^2/NDF: 2266630.6/31

Left In: 52.502+/-0.009 χ^2/NDF:2557805.6/22

Left: 53.257+/-0.007 χ^2/NDF: 5798440.6/47

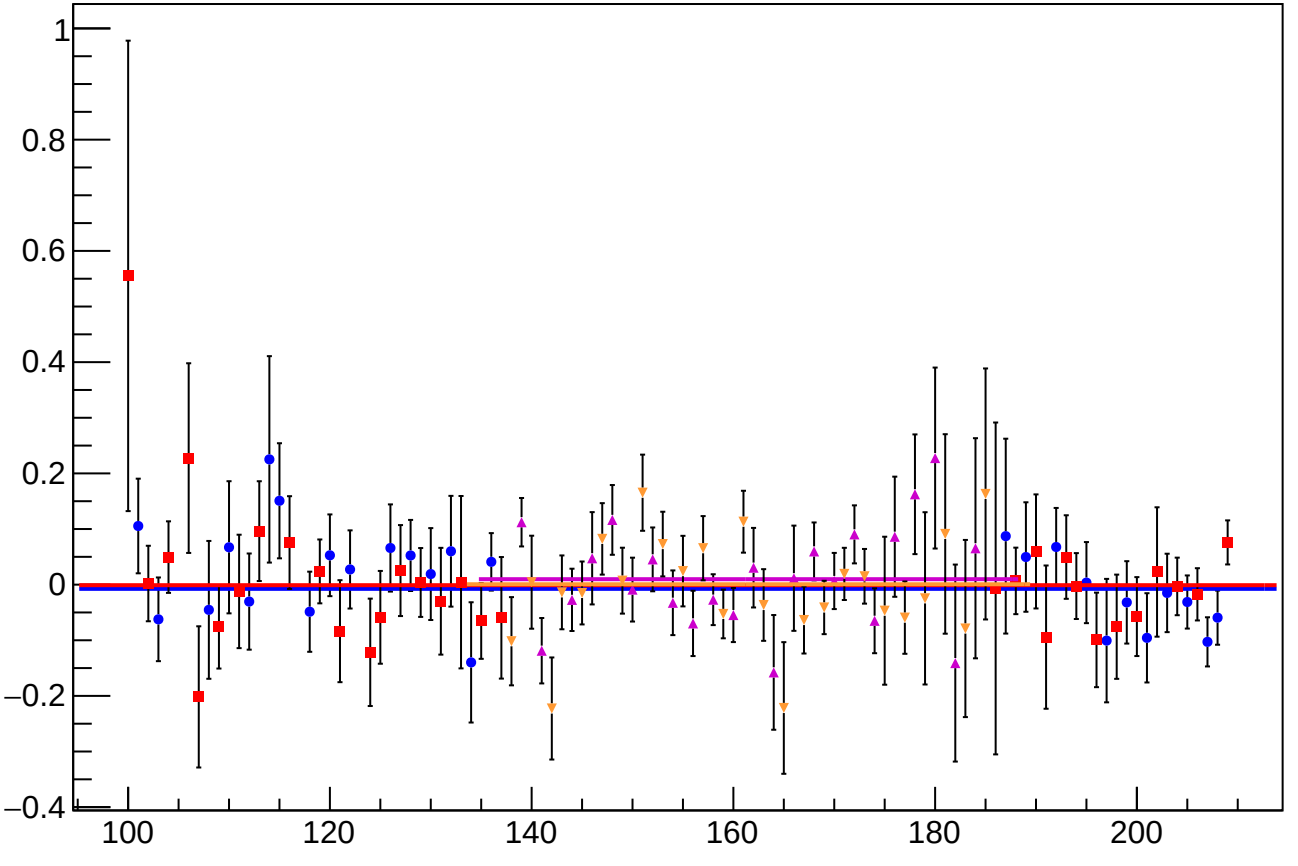
Right: 52.593+/-0.007 χ^2/NDF: 3714593.9/58

In: 52.908+/-0.007 χ^2/NDF:3998329.5/49

Out: 52.970+/-0.007 χ^2/NDF:5519482.5/56

All: 52.940+/-0.005 χ^2/NDF: 9517854.0/106

asym_sam_2468_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.008+/-0.014 χ^2/NDF: 22.6/26

Left Out: 0.001+/-0.013 χ^2/NDF:31.7/24

Right Out: -0.001+/-0.013 χ^2/NDF: 22.0/31

Left In: 0.010+/-0.013 χ^2/NDF:31.9/22

Left: 0.005+/-0.009 χ^2/NDF: 63.8/47

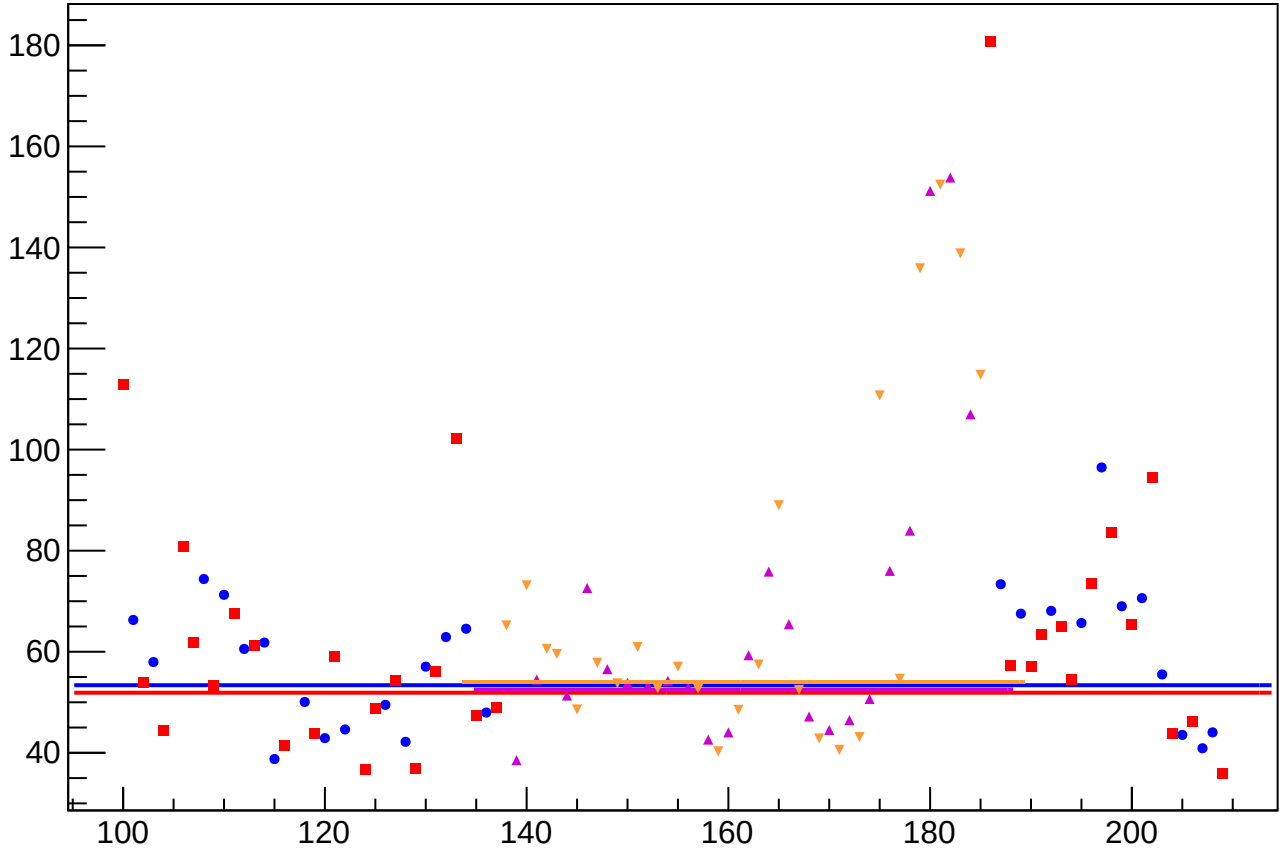
Right: -0.004+/-0.010 χ^2/NDF: 44.7/58

In: 0.002+/-0.010 χ^2/NDF:55.3/49

Out: -0.000+/-0.009 χ^2/NDF:53.7/56

All: 0.001+/-0.007 χ^2/NDF: 109.0/106

asym_sam_2468_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 53.380+/-0.010 χ^2/NDF: 1436448.5/26

Left Out: 54.014+/-0.009 χ^2/NDF:3227569.4/24

Right Out: 51.893+/-0.010 χ^2/NDF: 2266630.6/31

Left In: 52.502+/-0.009 χ^2/NDF:2557805.6/22

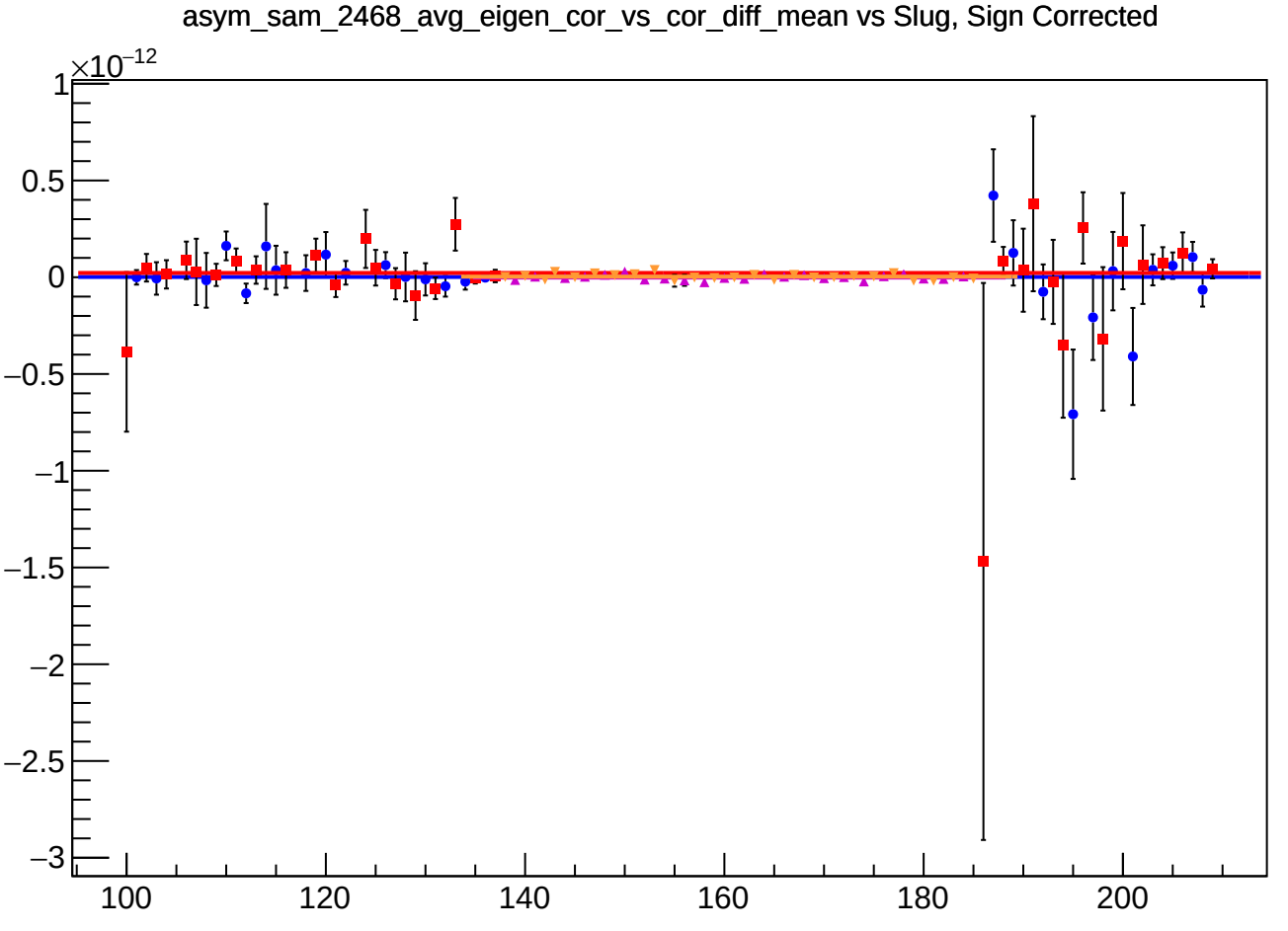
Left: 53.257+/-0.007 χ^2/NDF: 5798440.6/47

Right: 52.593+/-0.007 χ^2/NDF: 3714593.9/58

In: 52.908+/-0.007 χ^2/NDF:3998329.5/49

Out: 52.970+/-0.007 χ^2/NDF:5519482.5/56

All: 52.940+/-0.005 χ^2/NDF: 9517854.0/106



Right In: 0.000+/-0.000 χ^2/NDF: 26.6/26

Left Out: 0.000+/-0.000 χ^2/NDF:21.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 22.1/31

Left In: -0.000+/-0.000 χ^2/NDF:15.3/22

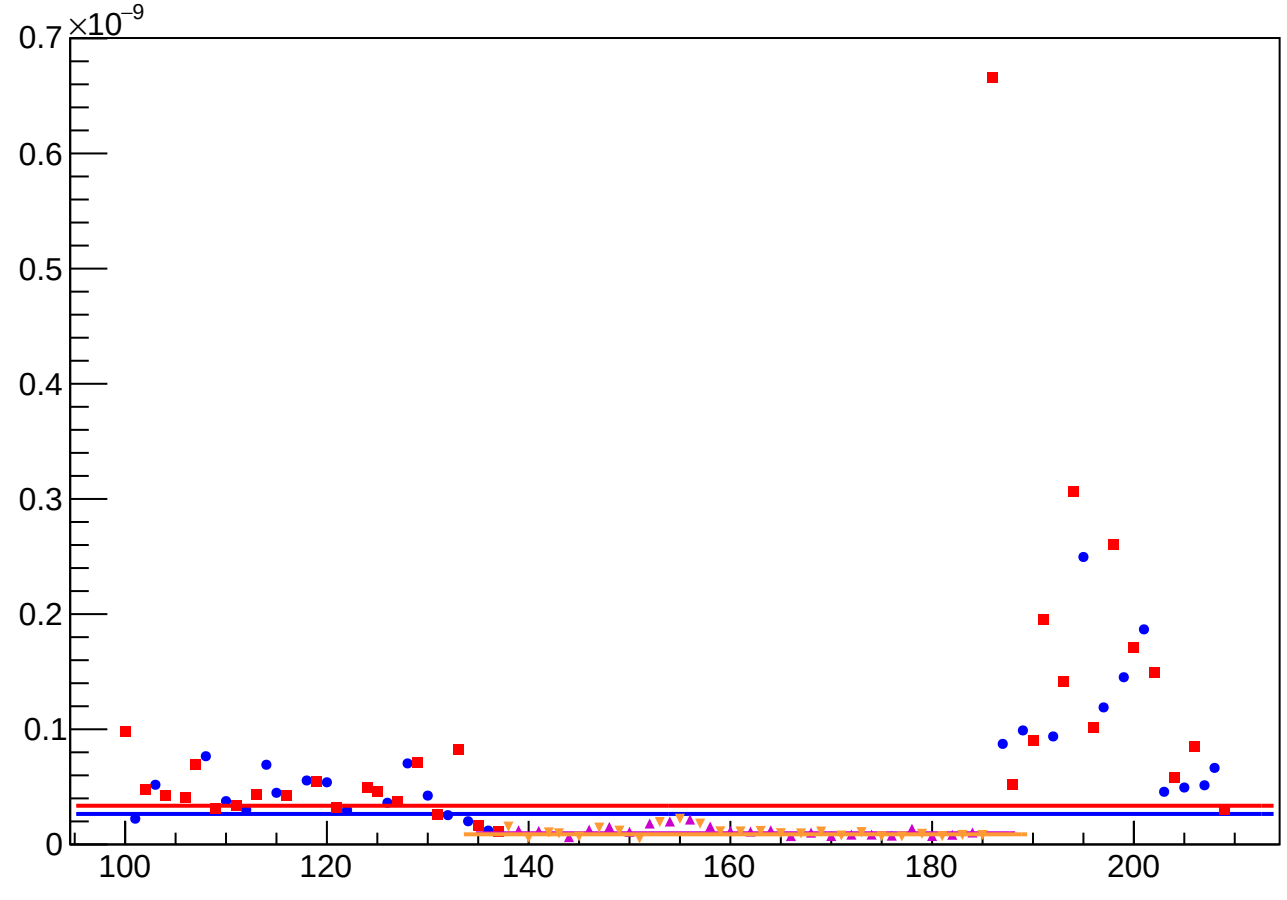
Left: 0.000+/-0.000 χ^2/NDF: 38.5/47

Right: 0.000+/-0.000 χ^2/NDF: 50.1/58

In: -0.000+/-0.000 χ^2/NDF:41.9/49

Out: 0.000+/-0.000 χ^2/NDF:45.9/56

All: 0.000+/-0.000 χ^2/NDF: 89.7/106



Right In: 0.000+/-0.000 χ^2/NDF: 7508881.8/26

Left Out: 0.000+/-0.000 χ^2/NDF:2517075.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 8093370.3/31

Left In: 0.000+/-0.000 χ^2/NDF:2320113.6/22

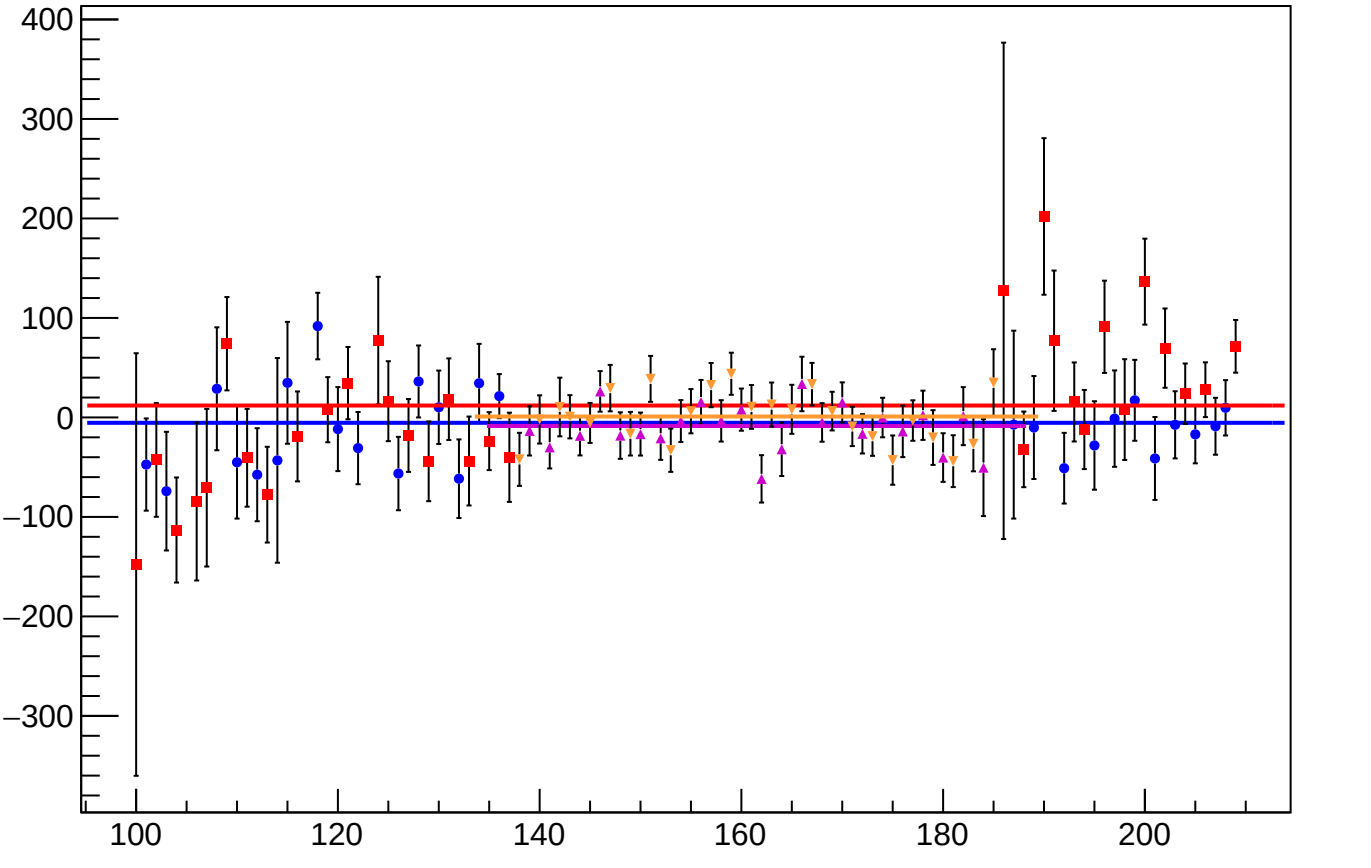
Left: 0.000+/-0.000 χ^2/NDF: 4948206.8/47

Right: 0.000+/-0.000 χ^2/NDF: 15937127.1/58

In: 0.000+/-0.000 χ^2/NDF:13946716.5/49

Out: 0.000+/-0.000 χ^2/NDF:17386100.1/56

All: 0.000+/-0.000 χ^2/NDF: 31466525.4/106



Right In: -5.404+/-7.481 χ^2/NDF: 25.1/26

Left Out: 0.917+/-4.574 χ^2/NDF:29.2/24

Right Out: 11.970+/-7.522 χ^2/NDF: 52.5/31

Left In: -8.600+/-4.724 χ^2/NDF:19.4/22

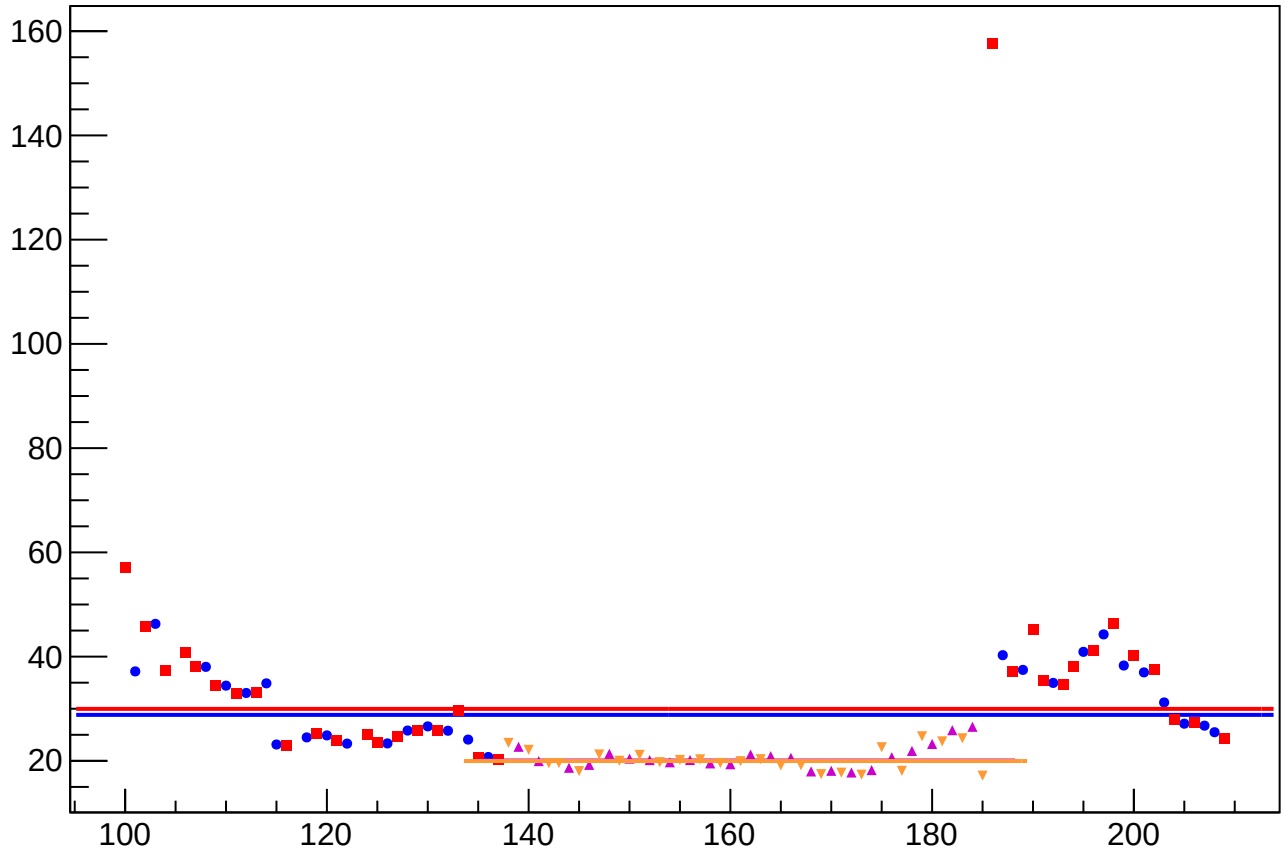
Left: -3.689+/-3.286 χ^2/NDF: 50.7/47

Right: 3.236+/-5.305 χ^2/NDF: 80.3/58

In: -7.689+/-3.994 χ^2/NDF:44.6/49

Out: 3.900+/-3.908 χ^2/NDF:83.3/56

All: -1.768+/-2.793 χ^2/NDF: 132.2/106



Right In: 28.826+/-0.005 χ^2/NDF: 1546257.5/26

Left Out: 19.969+/-0.003 χ^2/NDF:386763.9/24

Right Out: 29.975+/-0.005 χ^2/NDF: 2331732.3/31

Left In: 20.072+/-0.003 χ^2/NDF:301705.2/22

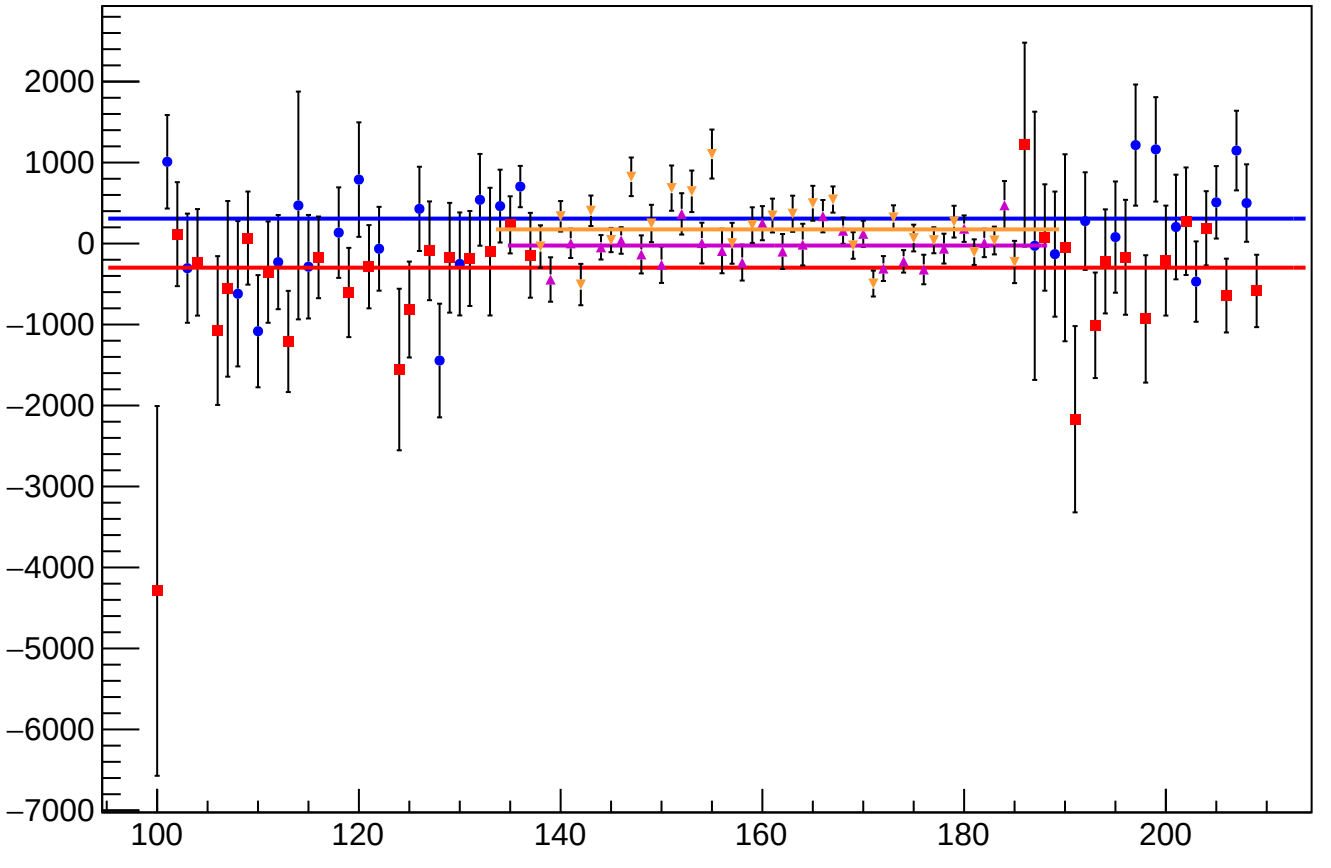
Left: 20.019+/-0.002 χ^2/NDF: 688968.6/47

Right: 29.397+/-0.004 χ^2/NDF: 3901435.6/58

In: 22.567+/-0.003 χ^2/NDF:3805683.2/49

Out: 22.670+/-0.003 χ^2/NDF:5302268.3/56

All: 22.620+/-0.002 χ^2/NDF: 9108621.4/106



Right In: 307.904+/-107.807 χ^2/NDF: 29.4/26

Left Out: 174.693+/-39.049 χ^2/NDF:71.2/24

Right Out: -297.812+/-109.829 χ^2/NDF: 21.3/31

Left In: -24.589+/-40.070 χ^2/NDF:26.9/22

Left: 77.623+/-27.966 χ^2/NDF: 110.8/47

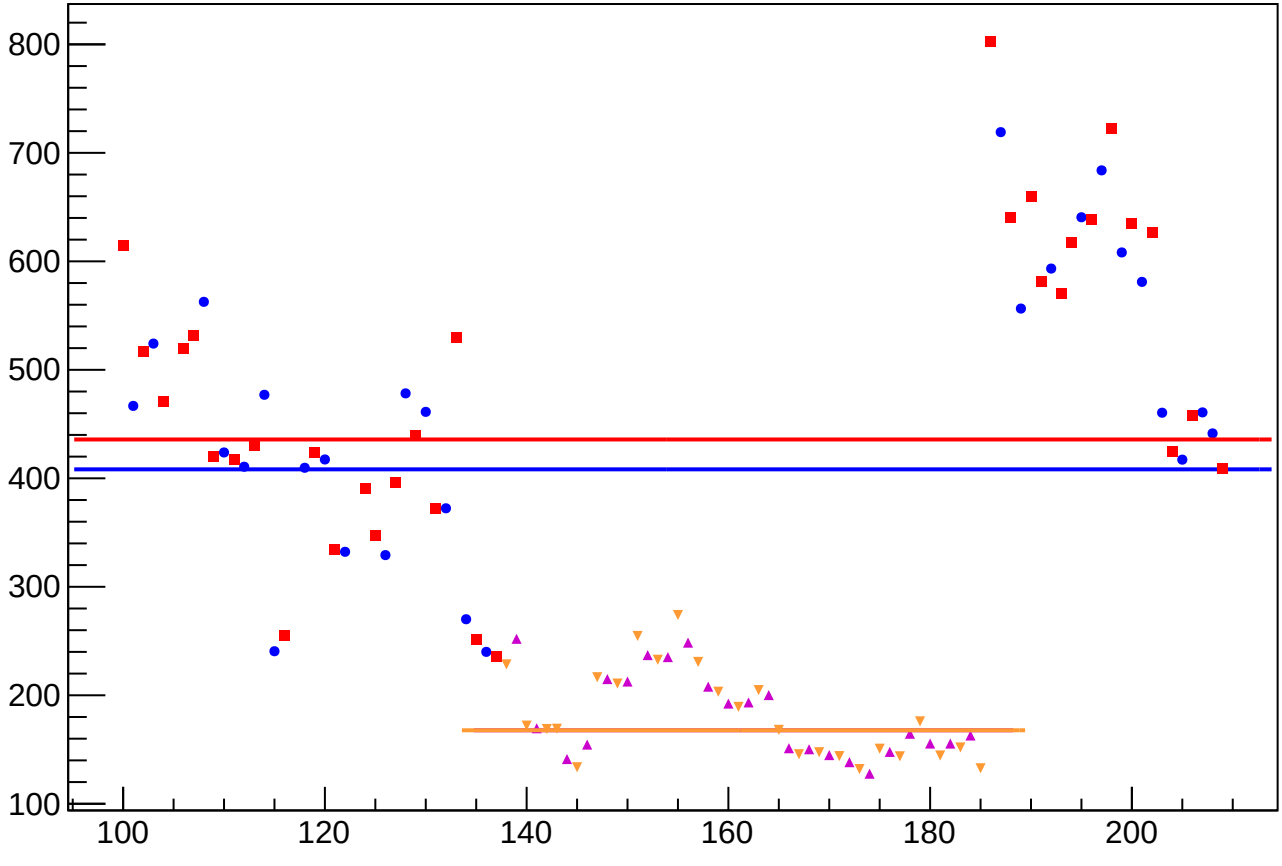
Right: 10.674+/-76.936 χ^2/NDF: 66.3/58

In: 15.769+/-37.560 χ^2/NDF:64.7/49

Out: 121.666+/-36.793 χ^2/NDF:109.0/56

All: 69.810+/-26.283 χ^2/NDF: 177.7/106

asym_sam_1357_2468_dd_reg_correction_rms vs Slug, Sign Corrected



Right In: 408.267+/-0.076 χ^2/NDF: 2694942.2/26

Left Out: 167.754+/-0.028 χ^2/NDF:1578232.9/24

Right Out: 435.799+/-0.078 χ^2/NDF: 2863247.6/31

Left In: 167.748+/-0.028 χ^2/NDF:1403124.0/22

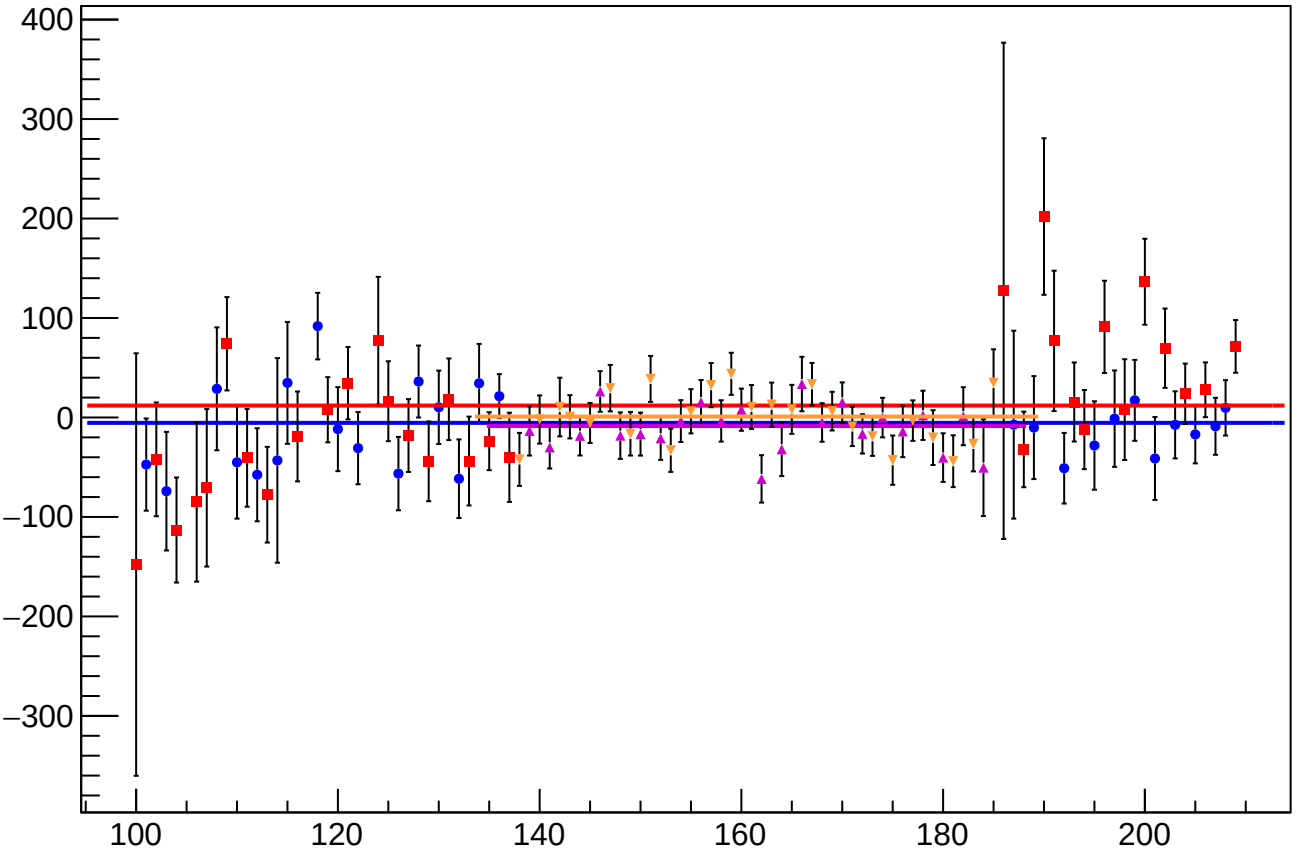
Left: 167.751+/-0.020 χ^2/NDF: 2981357.0/47

Right: 421.777+/-0.054 χ^2/NDF: 5622197.9/58

In: 196.943+/-0.027 χ^2/NDF:12844651.9/49

Out: 197.836+/-0.026 χ^2/NDF:15017298.4/56

All: 197.398+/-0.019 χ^2/NDF: 27862527.0/10



Right In: -5.401+/-7.481 χ^2/NDF: 25.1/26

Left Out: 0.915+/-4.574 χ^2/NDF:29.2/24

Right Out: 11.995+/-7.523 χ^2/NDF: 52.4/31

Left In: -8.600+/-4.724 χ^2/NDF:19.4/22

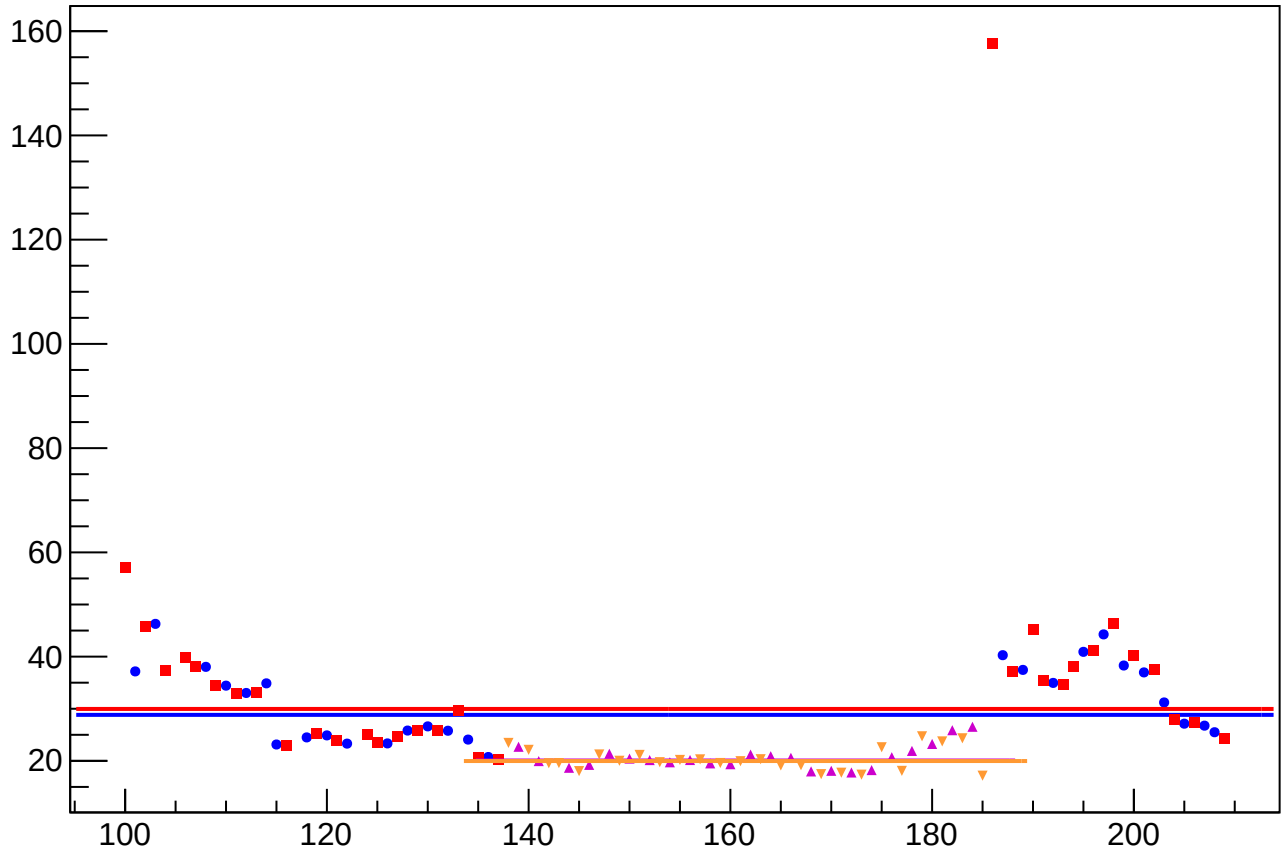
Left: -3.690+/-3.286 χ^2/NDF: 50.7/47

Right: 3.249+/-5.305 χ^2/NDF: 80.2/58

In: -7.689+/-3.994 χ^2/NDF:44.6/49

Out: 3.905+/-3.908 χ^2/NDF:83.3/56

All: -1.766+/-2.793 χ^2/NDF: 132.1/106



Right In: 28.826+/-0.005 χ^2/NDF: 1546260.7/26

Left Out: 19.969+/-0.003 χ^2/NDF:386763.9/24

Right Out: 29.964+/-0.005 χ^2/NDF: 2324294.0/31

Left In: 20.072+/-0.003 χ^2/NDF:301705.2/22

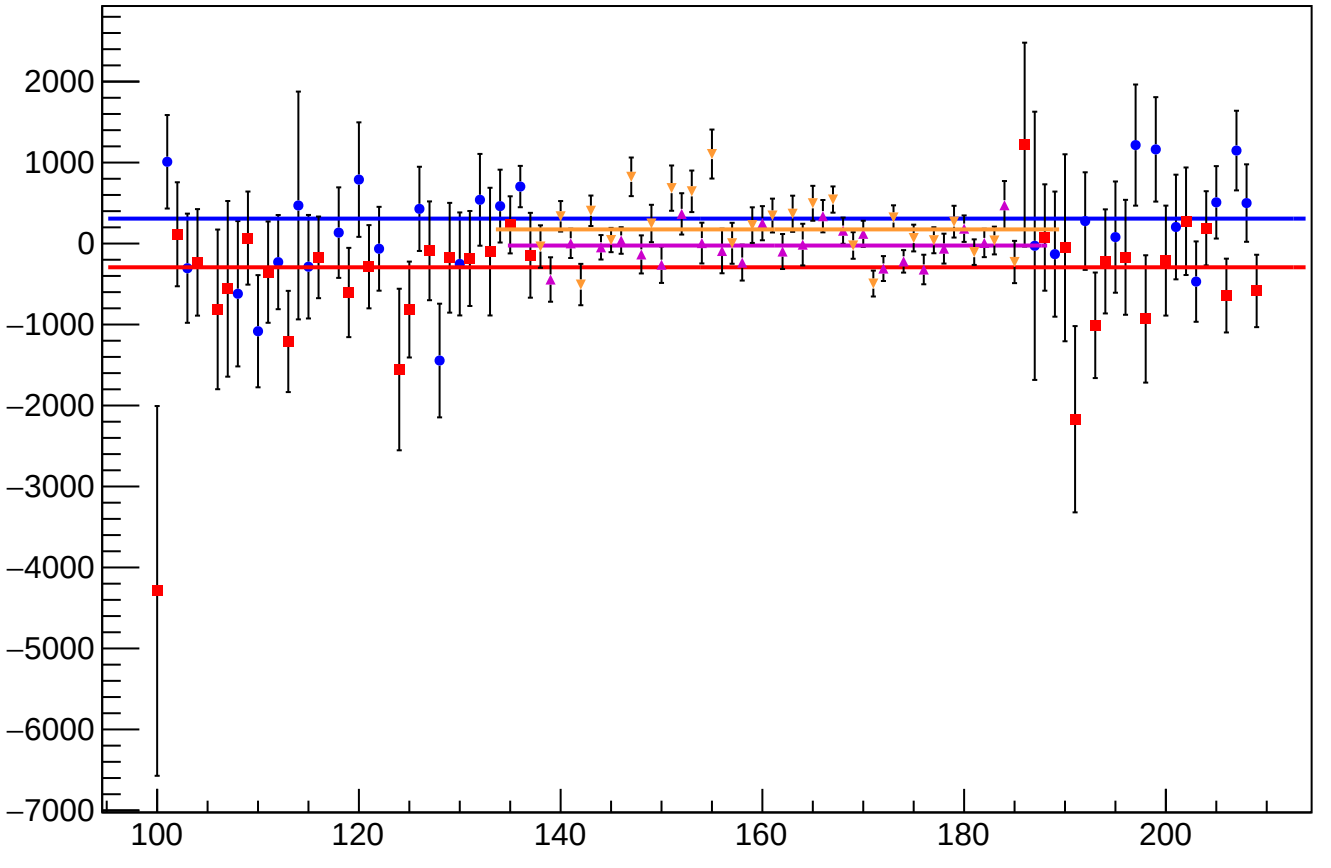
Left: 20.019+/-0.002 χ^2/NDF: 688968.7/47

Right: 29.392+/-0.004 χ^2/NDF: 3893541.3/58

In: 22.567+/-0.003 χ^2/NDF:3805686.5/49

Out: 22.666+/-0.003 χ^2/NDF:5288684.8/56

All: 22.618+/-0.002 χ^2/NDF: 9094997.7/106



Right In: 307.901+/-107.807 χ^2/NDF: 29.4/26

Left Out: 174.691+/-39.049 χ^2/NDF:71.2/24

Right Out: -293.156+/-109.934 χ^2/NDF: 20.9/31

Left In: -24.590+/-40.070 χ^2/NDF:26.9/22

Left: 77.622+/-27.966 χ^2/NDF: 110.8/47

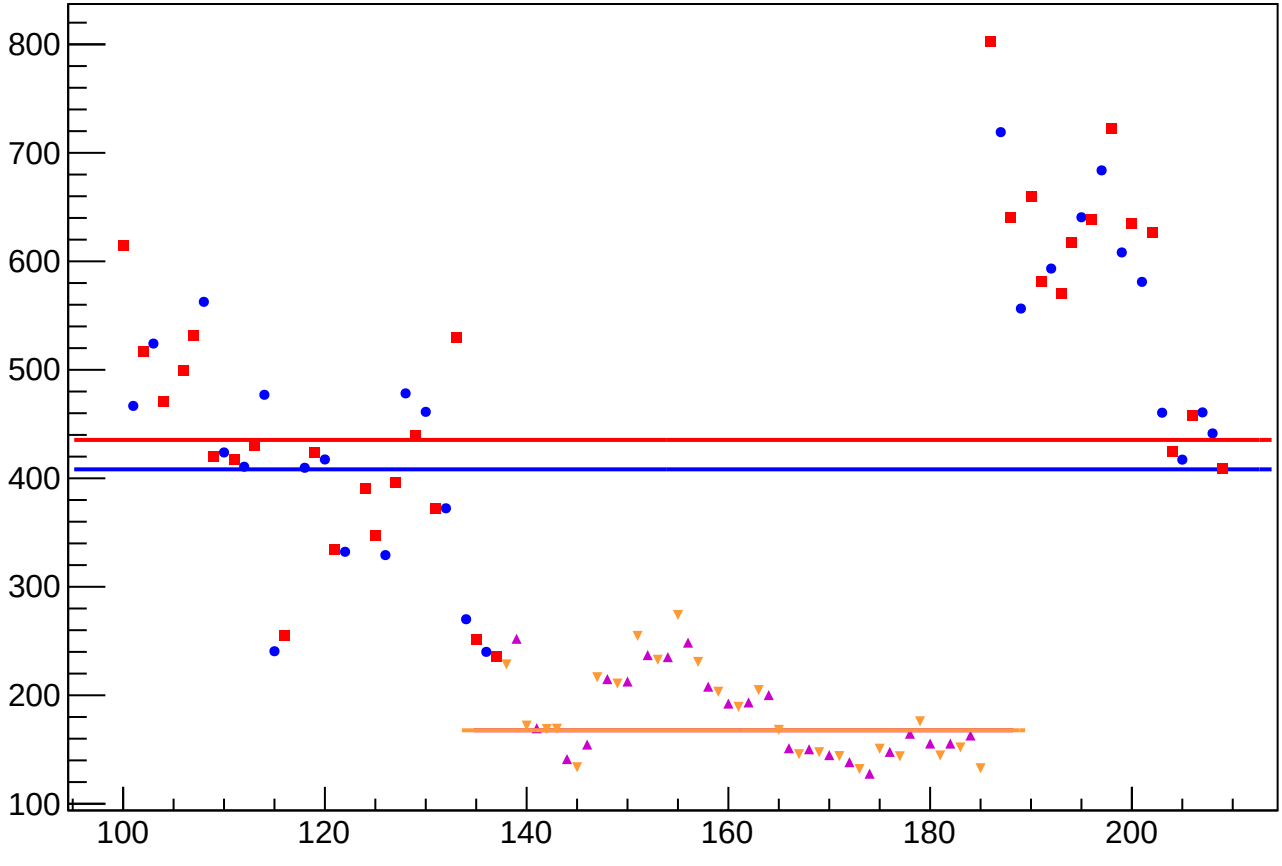
Right: 13.244+/-76.972 χ^2/NDF: 65.6/58

In: 15.768+/-37.560 χ^2/NDF:64.7/49

Out: 122.276+/-36.797 χ^2/NDF:108.2/56

All: 70.115+/-26.285 χ^2/NDF: 177.0/106

asym_sam_1357_2468_dd_cor_correction_rms vs Slug, Sign Corrected



Right In: 408.267+/-0.076 χ^2/NDF: 2694967.5/26

Left Out: 167.754+/-0.028 χ^2/NDF:1578231.3/24

Right Out: 435.393+/-0.078 χ^2/NDF: 2854988.8/31

Left In: 167.748+/-0.028 χ^2/NDF:1403120.1/22

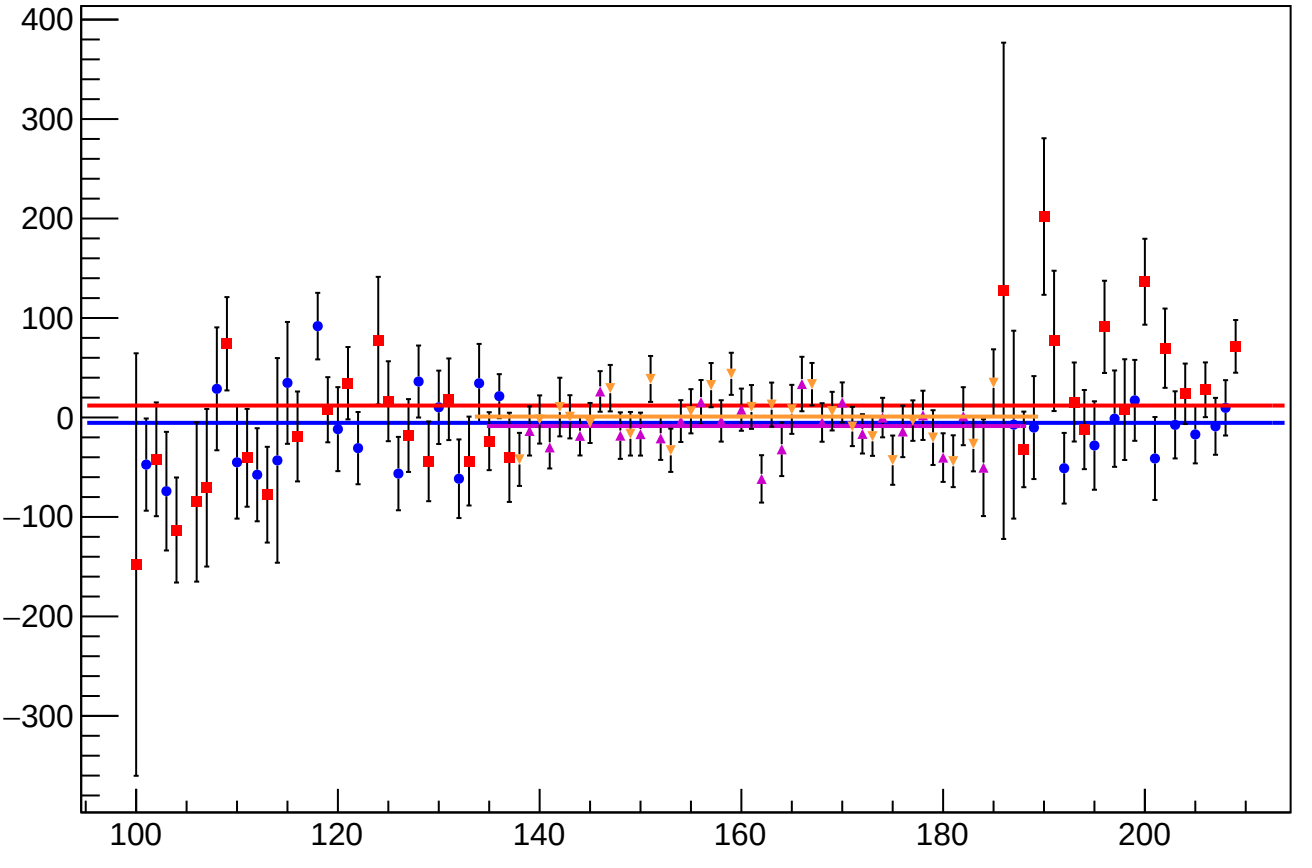
Left: 167.751+/-0.020 χ^2/NDF: 2981351.5/47

Right: 421.565+/-0.054 χ^2/NDF: 5612027.6/58

In: 196.943+/-0.027 χ^2/NDF:12844664.2/49

Out: 197.739+/-0.026 χ^2/NDF:14959129.3/56

All: 197.349+/-0.019 χ^2/NDF: 27804252.1/10



Right In: -5.401+/-7.481 χ^2/NDF: 25.1/26

Left Out: 0.915+/-4.574 χ^2/NDF:29.2/24

Right Out: 11.995+/-7.523 χ^2/NDF: 52.4/31

Left In: -8.600+/-4.724 χ^2/NDF:19.4/22

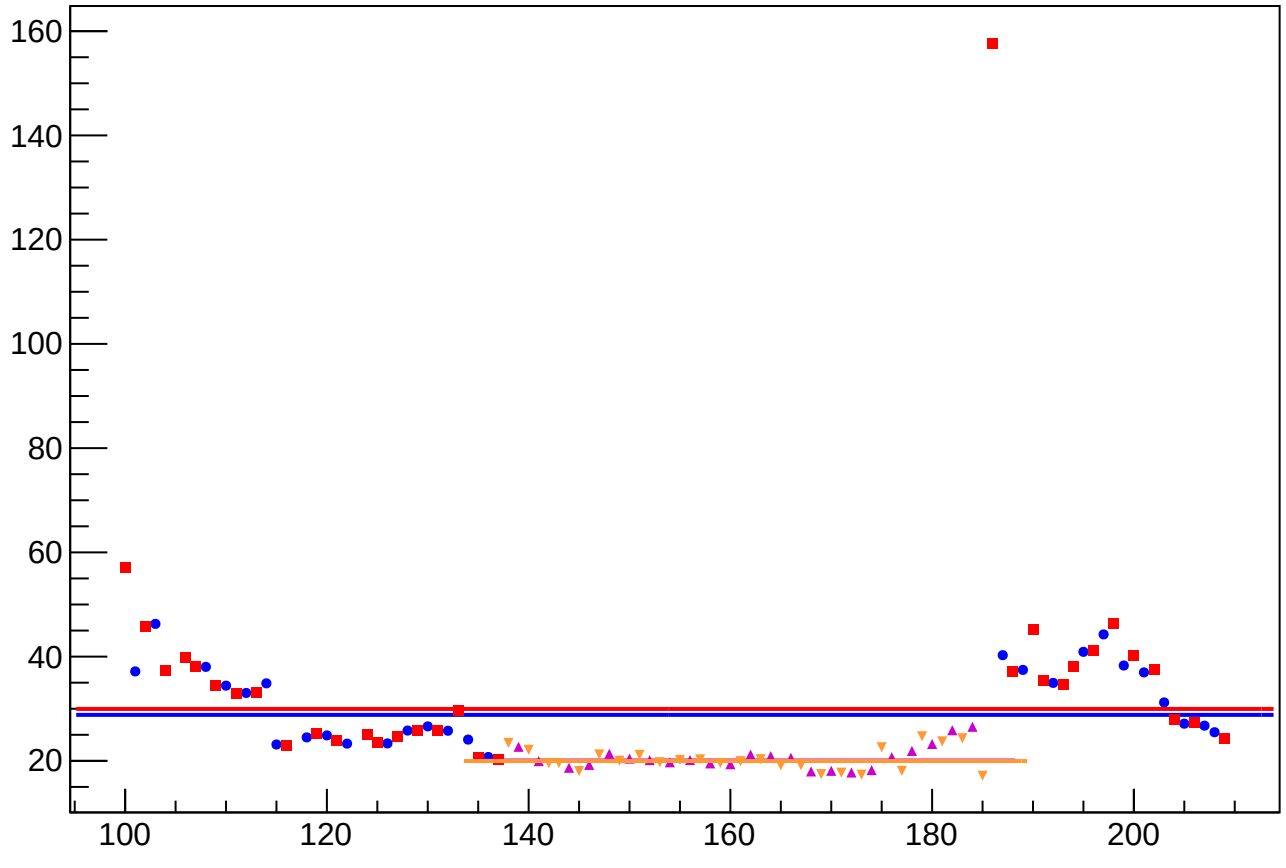
Left: -3.690+/-3.286 χ^2/NDF: 50.7/47

Right: 3.249+/-5.305 χ^2/NDF: 80.2/58

In: -7.689+/-3.994 χ^2/NDF:44.6/49

Out: 3.905+/-3.908 χ^2/NDF:83.3/56

All: -1.766+/-2.793 χ^2/NDF: 132.1/106



Right In: 28.826+/-0.005 χ^2/NDF: 1546260.7/26

Left Out: 19.969+/-0.003 χ^2/NDF:386763.9/24

Right Out: 29.964+/-0.005 χ^2/NDF: 2324294.0/31

Left In: 20.072+/-0.003 χ^2/NDF:301705.2/22

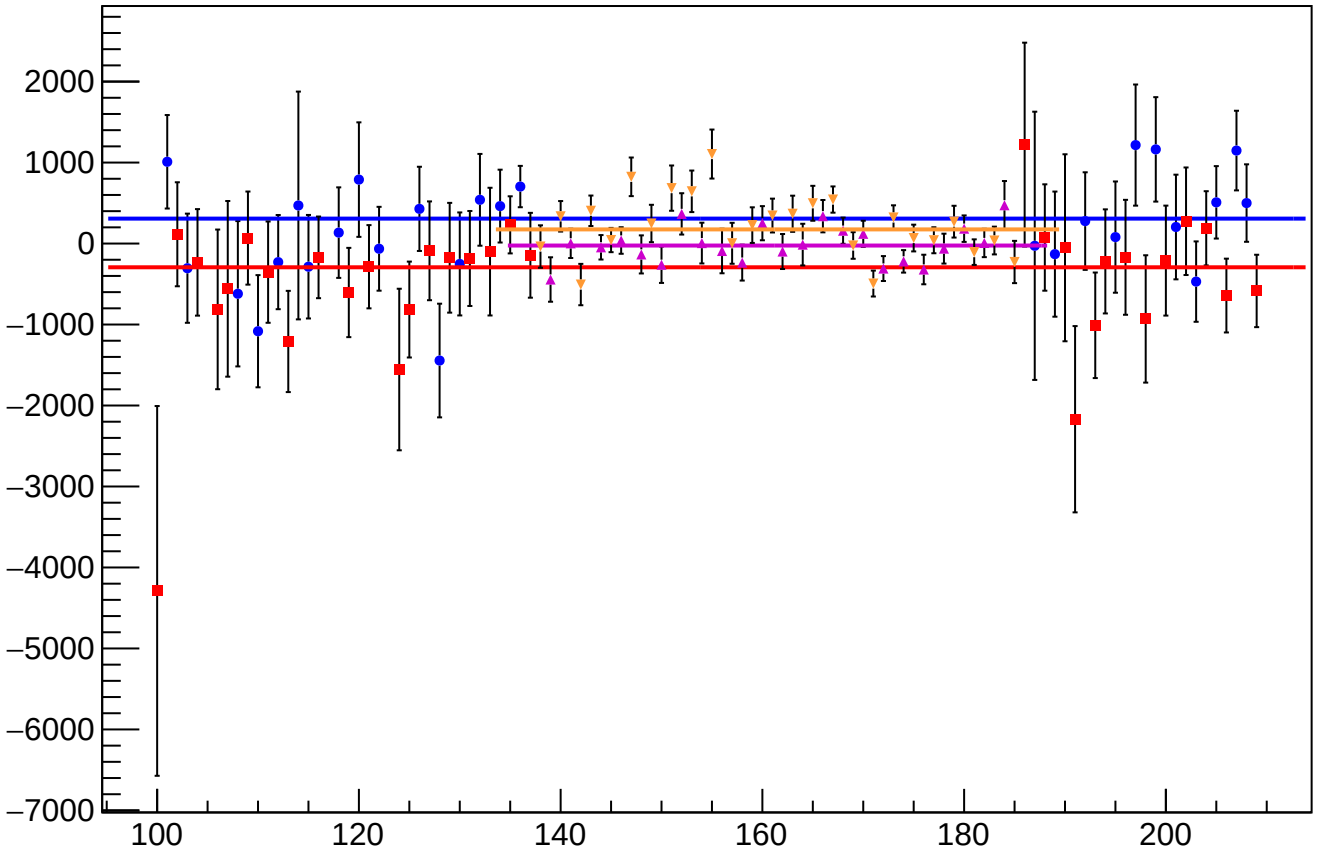
Left: 20.019+/-0.002 χ^2/NDF: 688968.7/47

Right: 29.392+/-0.004 χ^2/NDF: 3893541.3/58

In: 22.567+/-0.003 χ^2/NDF:3805686.5/49

Out: 22.666+/-0.003 χ^2/NDF:5288684.8/56

All: 22.618+/-0.002 χ^2/NDF: 9094997.7/106



Right In: 307.901+/-107.807 χ^2/NDF: 29.4/26

Left Out: 174.691+/-39.049 χ^2/NDF:71.2/24

Right Out: -293.156+/-109.934 χ^2/NDF: 20.9/31

Left In: -24.590+/-40.070 χ^2/NDF:26.9/22

Left: 77.622+/-27.966 χ^2/NDF: 110.8/47

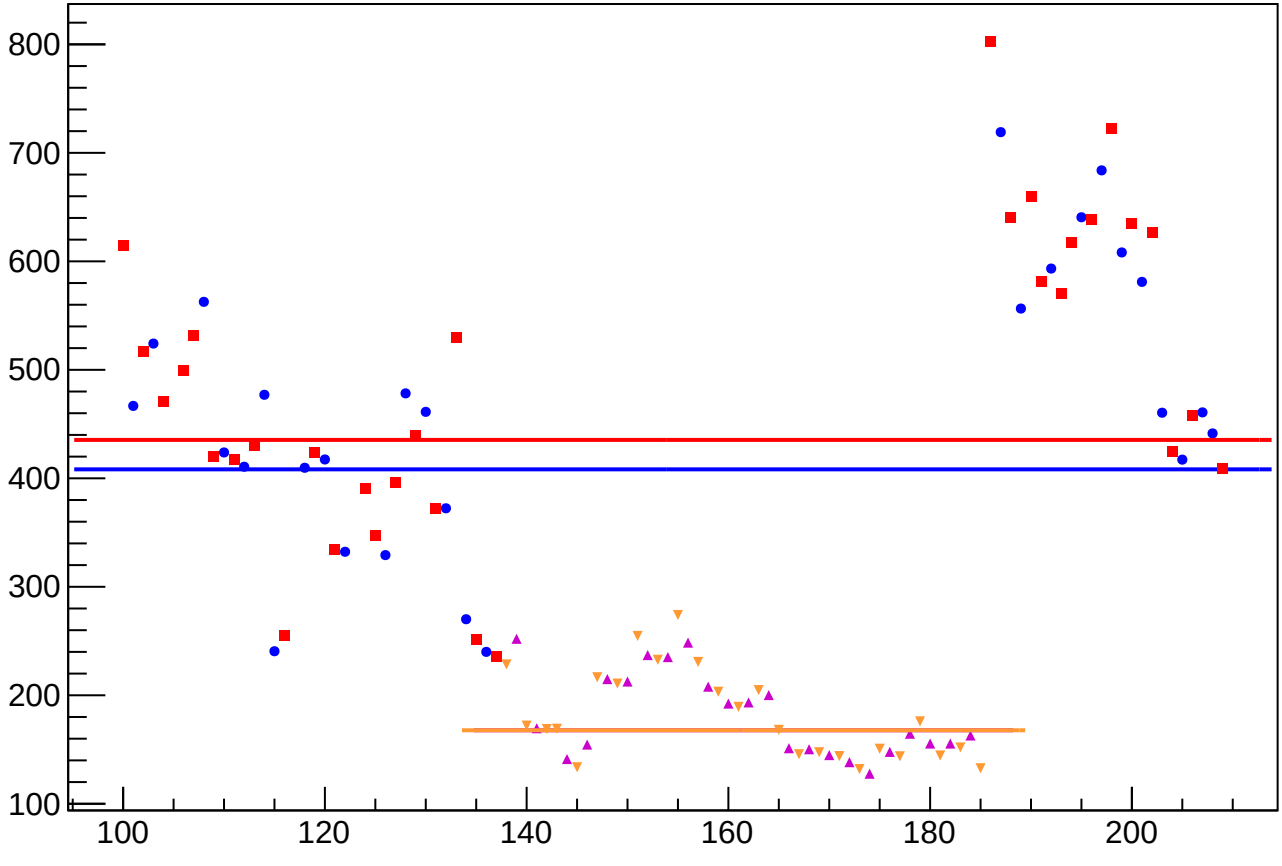
Right: 13.244+/-76.972 χ^2/NDF: 65.6/58

In: 15.768+/-37.560 χ^2/NDF:64.7/49

Out: 122.276+/-36.797 χ^2/NDF:108.2/56

All: 70.115+/-26.285 χ^2/NDF: 177.0/106

asym_sam_1357_2468_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 408.267+/-0.076 χ^2/NDF: 2694967.5/26

Left Out: 167.754+/-0.028 χ^2/NDF:1578231.3/24

Right Out: 435.393+/-0.078 χ^2/NDF: 2854988.8/31

Left In: 167.748+/-0.028 χ^2/NDF:1403120.1/22

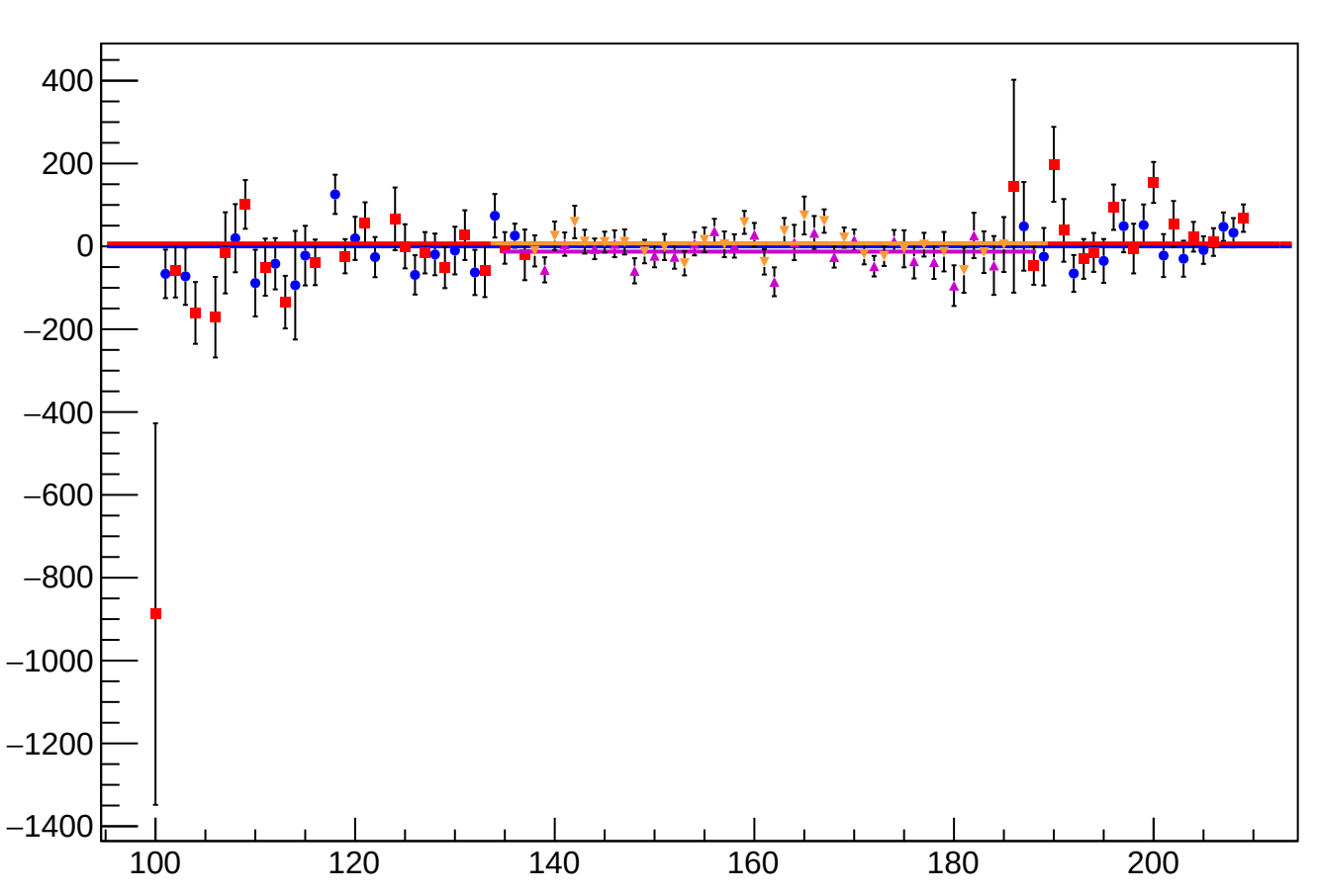
Left: 167.751+/-0.020 χ^2/NDF: 2981351.5/47

Right: 421.565+/-0.054 χ^2/NDF: 5612027.6/58

In: 196.943+/-0.027 χ^2/NDF:12844664.2/49

Out: 197.739+/-0.026 χ^2/NDF:14959129.3/56

All: 197.349+/-0.019 χ^2/NDF: 27804252.1/10



Right In: 0.113+/-9.609 χ^2/NDF: 26.6/26

Left Out: 7.079+/-6.333 χ^2/NDF:22.7/24

Right Out: 7.092+/-9.492 χ^2/NDF: 50.2/31

Left In: -12.697+/-6.513 χ^2/NDF:25.6/22

Left: -2.531+/-4.541 χ^2/NDF: 53.1/47

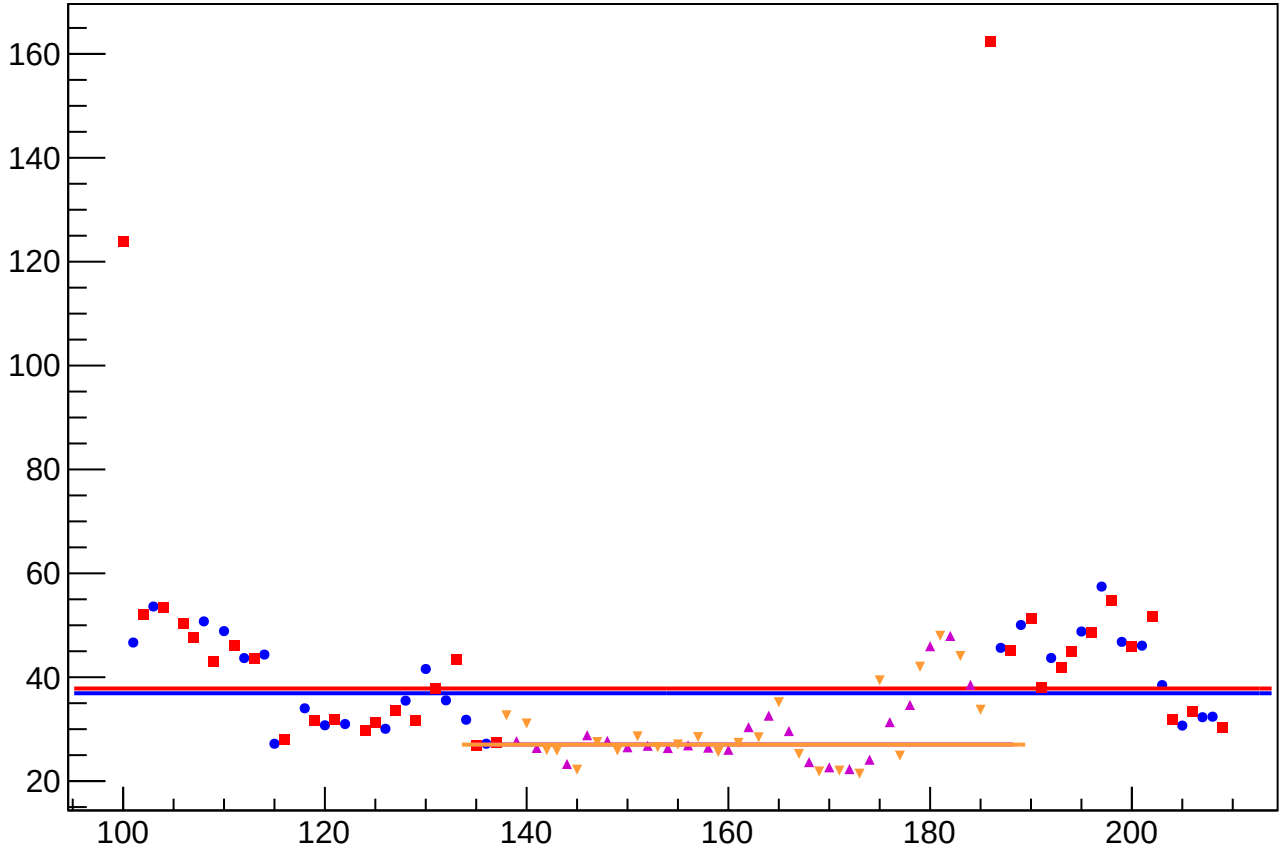
Right: 3.645+/-6.753 χ^2/NDF: 77.1/58

In: -8.664+/-5.392 χ^2/NDF:53.4/49

Out: 7.083+/-5.268 χ^2/NDF:73.0/56

All: -0.608+/-3.768 χ^2/NDF: 130.8/106

dit_asym_sam_1357_2468_dd_rms vs Slug, Sign Corrected



Right In: 36.912+/-0.007 χ^2/NDF: 1432155.8/26

Left Out: 27.026+/-0.004 χ^2/NDF:1430523.7/24

Right Out: 37.829+/-0.007 χ^2/NDF: 2073090.8/31

Left In: 27.052+/-0.005 χ^2/NDF:1044359.4/22

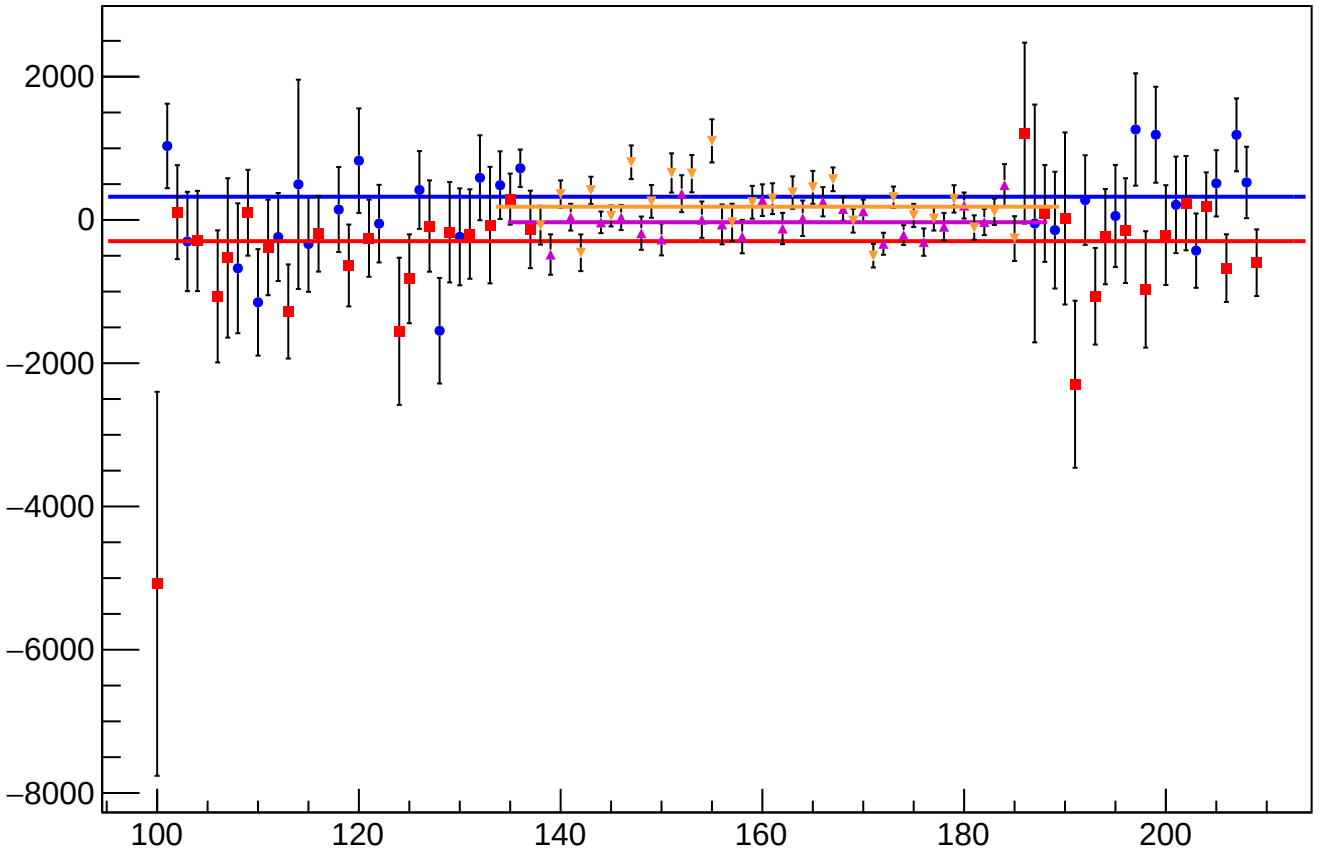
Left: 27.039+/-0.003 χ^2/NDF: 2474899.1/47

Right: 37.376+/-0.005 χ^2/NDF: 3514467.4/58

In: 30.156+/-0.004 χ^2/NDF:3919189.6/49

Out: 30.354+/-0.004 χ^2/NDF:5296052.0/56

All: 30.257+/-0.003 χ^2/NDF: 9216621.3/106



Right In: 324.082+/-112.126 χ^2/NDF: 29.0/26

Left Out: 184.675+/-39.832 χ^2/NDF:67.7/24

Right Out: -296.099+/-113.698 χ^2/NDF: 22.2/31

Left In: -31.891+/-40.975 χ^2/NDF:26.4/22

Left: 79.454+/-28.561 χ^2/NDF: 108.4/47

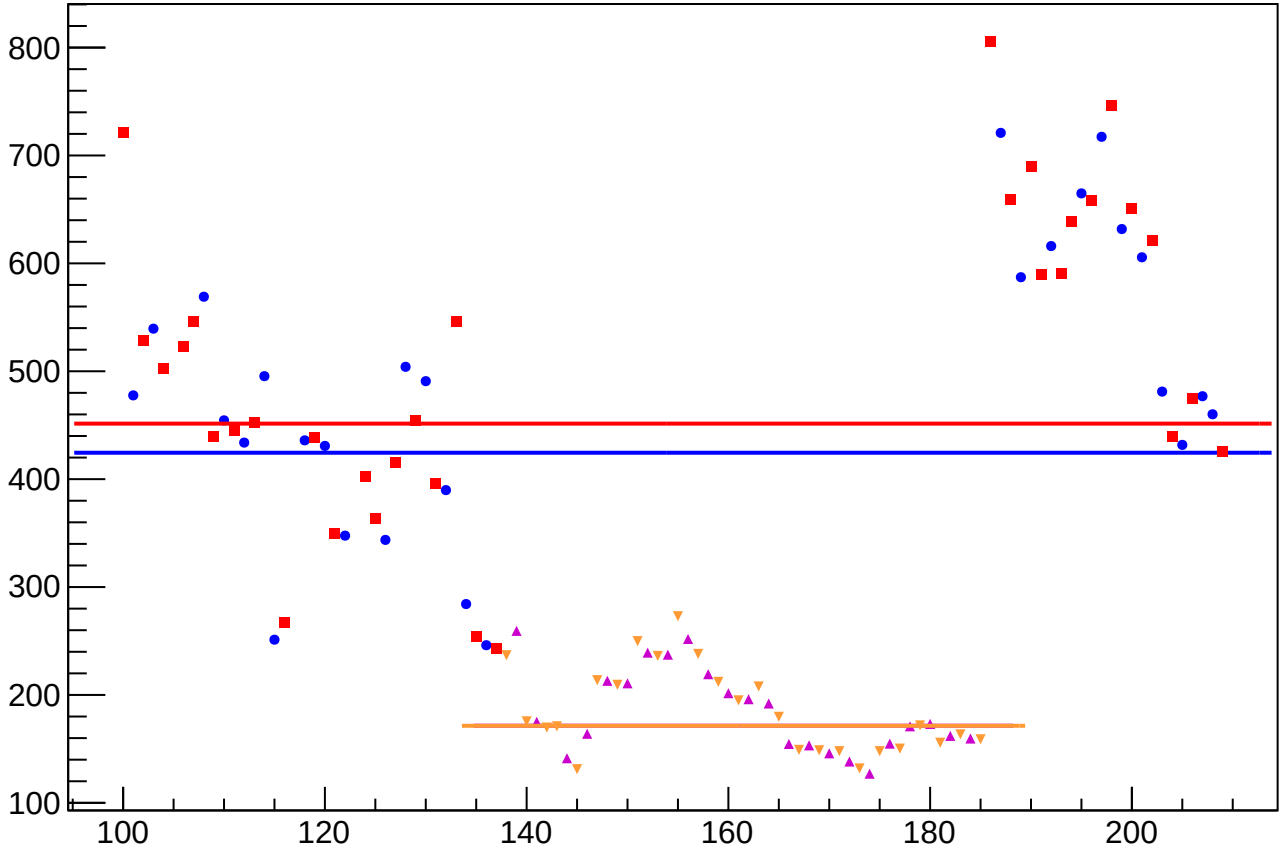
Right: 18.309+/-79.835 χ^2/NDF: 66.3/58

In: 10.046+/-38.486 χ^2/NDF:64.3/49

Out: 132.119+/-37.592 χ^2/NDF:105.8/56

All: 72.517+/-26.892 χ^2/NDF: 175.3/106

asym_sam_1357_2468_dd_dit_correction_rms vs Slug, Sign Corrected



Right In: 424.489+/-0.079 χ^2/NDF: 2735577.6/26

Left Out: 171.427+/-0.028 χ^2/NDF:1526852.0/24

Right Out: 451.475+/-0.080 χ^2/NDF: 2834763.8/31

Left In: 171.490+/-0.029 χ^2/NDF:1415769.4/22

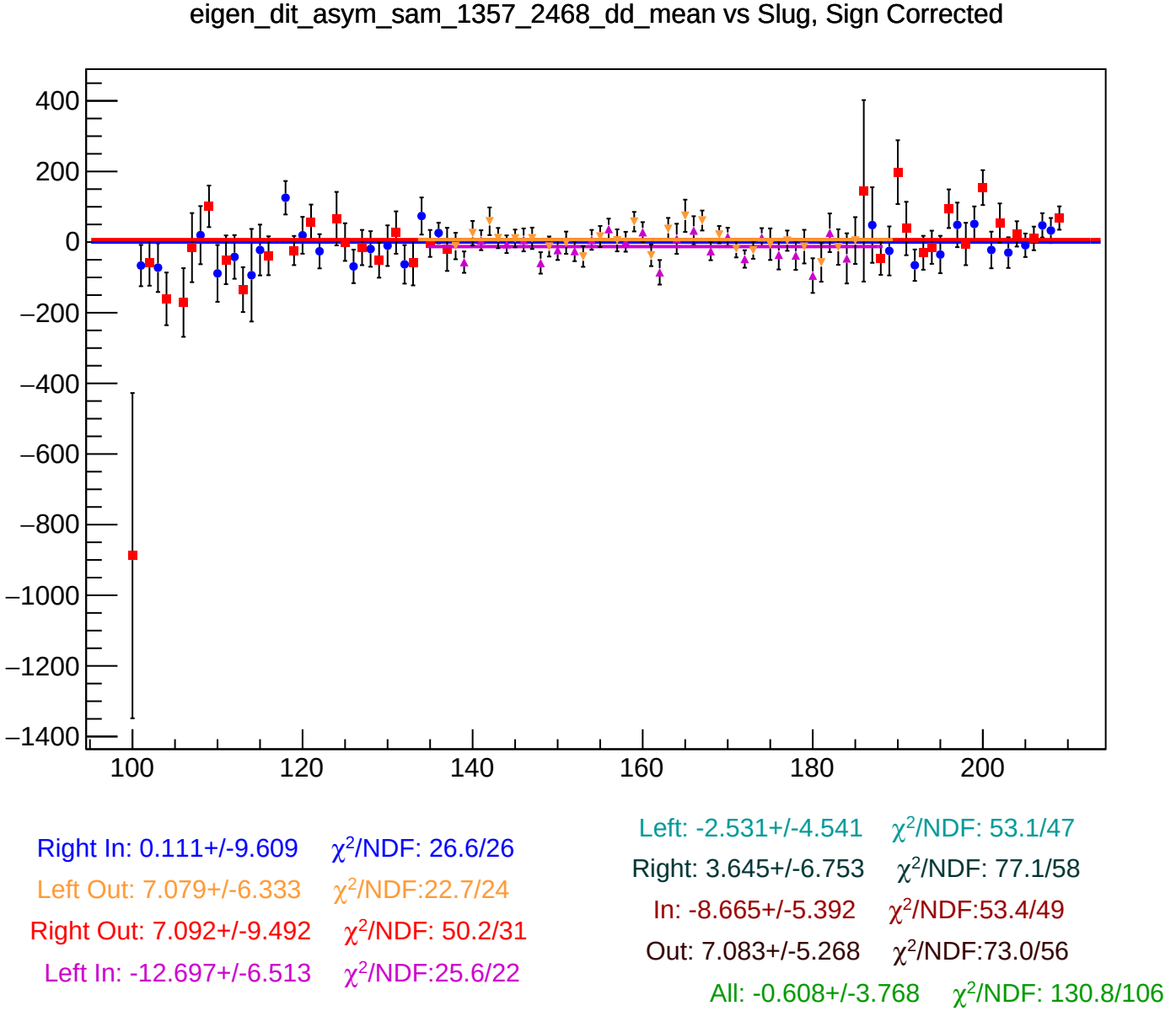
Left: 171.457+/-0.020 χ^2/NDF: 2942623.8/47

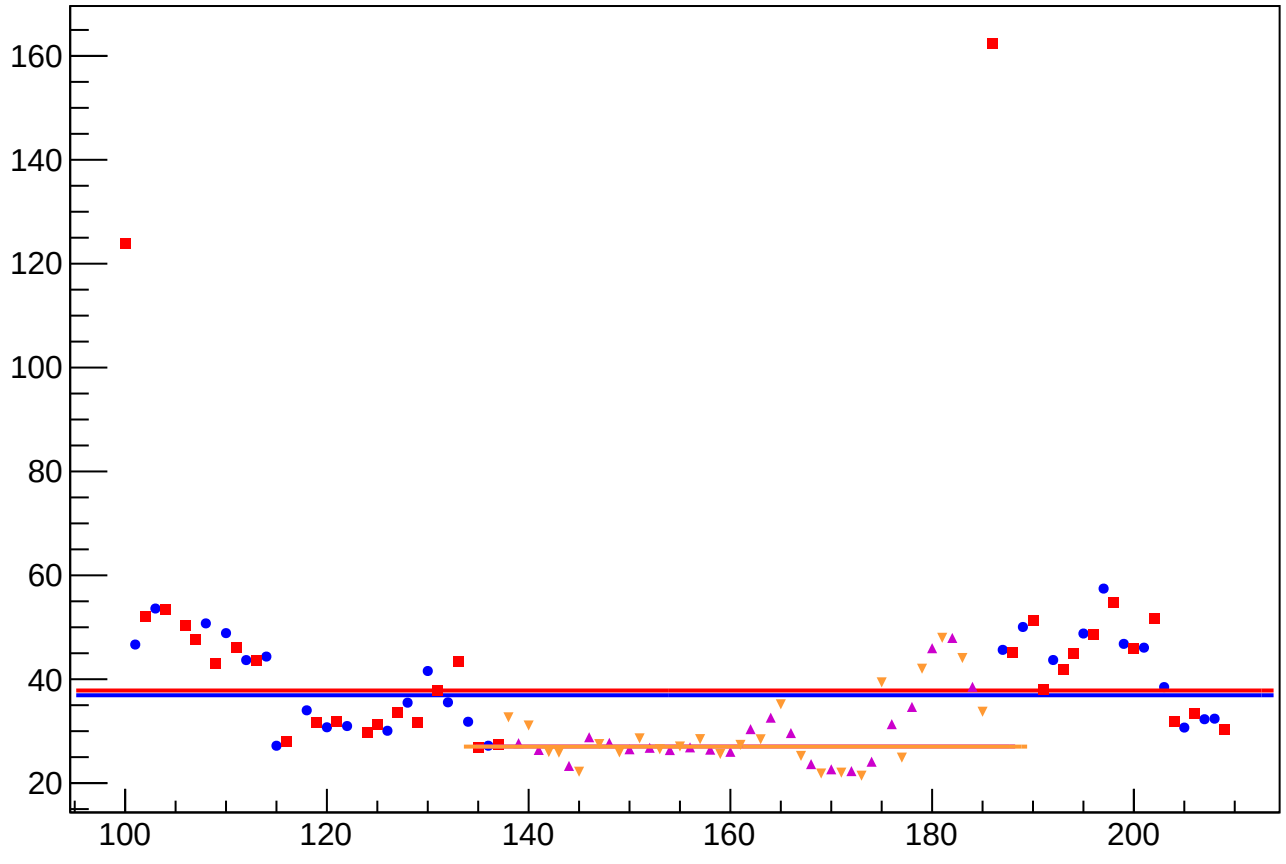
Right: 437.794+/-0.056 χ^2/NDF: 5627459.7/58

In: 201.296+/-0.027 χ^2/NDF:13134221.5/49

Out: 202.040+/-0.027 χ^2/NDF:15168779.7/56

All: 201.677+/-0.019 χ^2/NDF: 28303384.2/10


eigen_dit_asym_sam_1357_2468_dd_mean vs Slug, Sign Corrected
400
200
0
−200
−400
−600
−800
−1000
−1200
−1400
100
120
140
160
180
200
Right In: 0.111+/-9.609 χ²/NDF: 26.6/26
Left Out: 7.079+/-6.333 χ²/NDF:22.7/24
Right Out: 7.092+/-9.492 χ²/NDF: 50.2/31
Left In: -12.697+/-6.513 χ²/NDF:25.6/22
Left: -2.531+/-4.541 χ²/NDF: 53.1/47
Right: 3.645+/-6.753 χ²/NDF: 77.1/58
In: -8.665+/-5.392 χ²/NDF:53.4/49
Out: 7.083+/-5.268 χ²/NDF:73.0/56
All: -0.608+/-3.768 χ²/NDF: 130.8/106



Right In: 36.911+/-0.007 χ^2/NDF: 1432127.0/26

Left Out: 27.026+/-0.004 χ^2/NDF:1430534.9/24

Right Out: 37.829+/-0.007 χ^2/NDF: 2073073.6/31

Left In: 27.052+/-0.005 χ^2/NDF:1044338.2/22

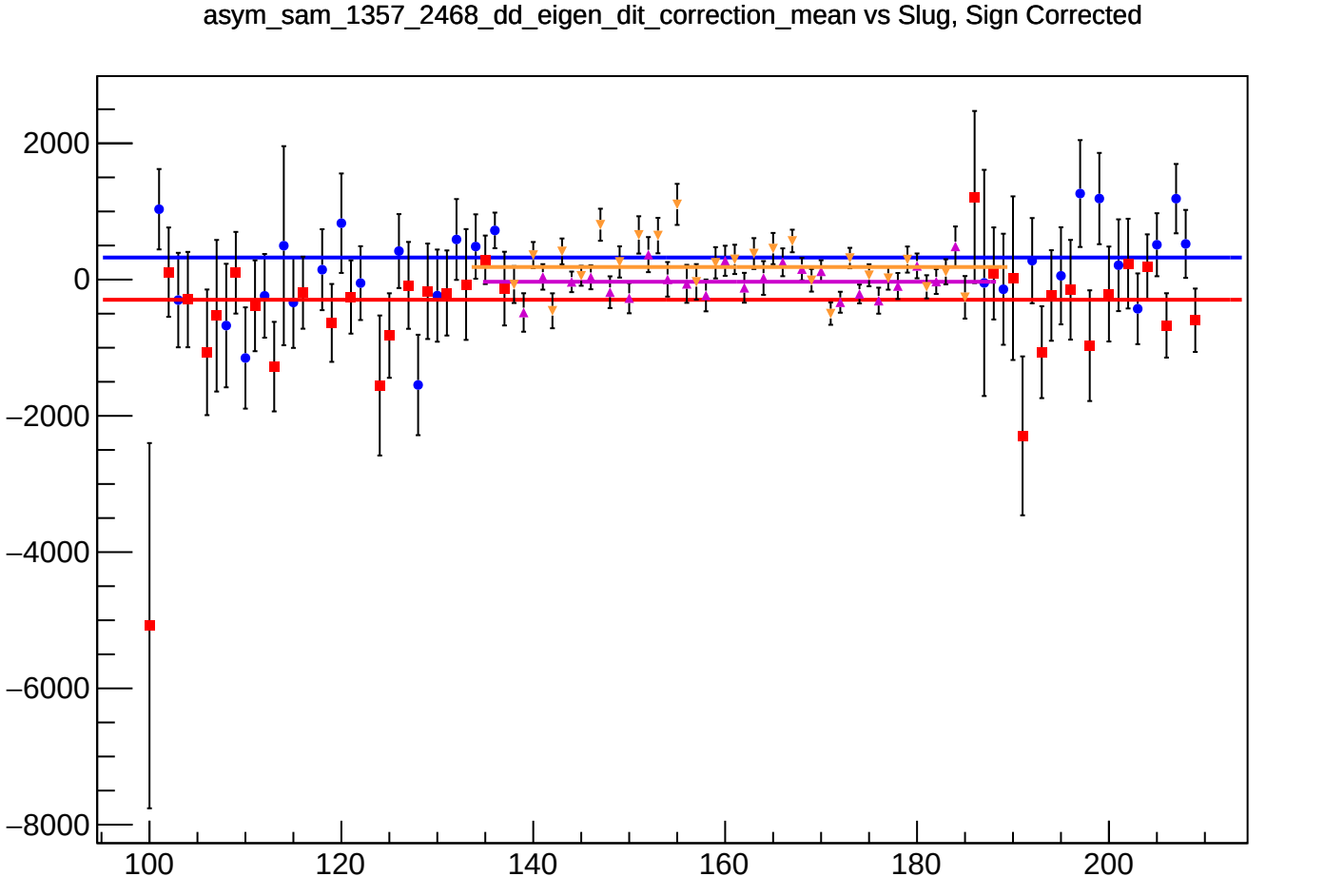
Left: 27.039+/-0.003 χ^2/NDF: 2474889.1/47

Right: 37.376+/-0.005 χ^2/NDF: 3514423.9/58

In: 30.156+/-0.004 χ^2/NDF:3919069.6/49

Out: 30.354+/-0.004 χ^2/NDF:5295987.8/56

All: 30.257+/-0.003 χ^2/NDF: 9216437.8/106



Right In: 324.079+/-112.126 χ^2/NDF: 29.0/26

Left Out: 184.674+/-39.832 χ^2/NDF:67.7/24

Right Out: -296.098+/-113.698 χ^2/NDF: 22.2/31

Left In: -31.891+/-40.975 χ^2/NDF:26.4/22

Left: 79.454+/-28.561 χ^2/NDF: 108.4/47

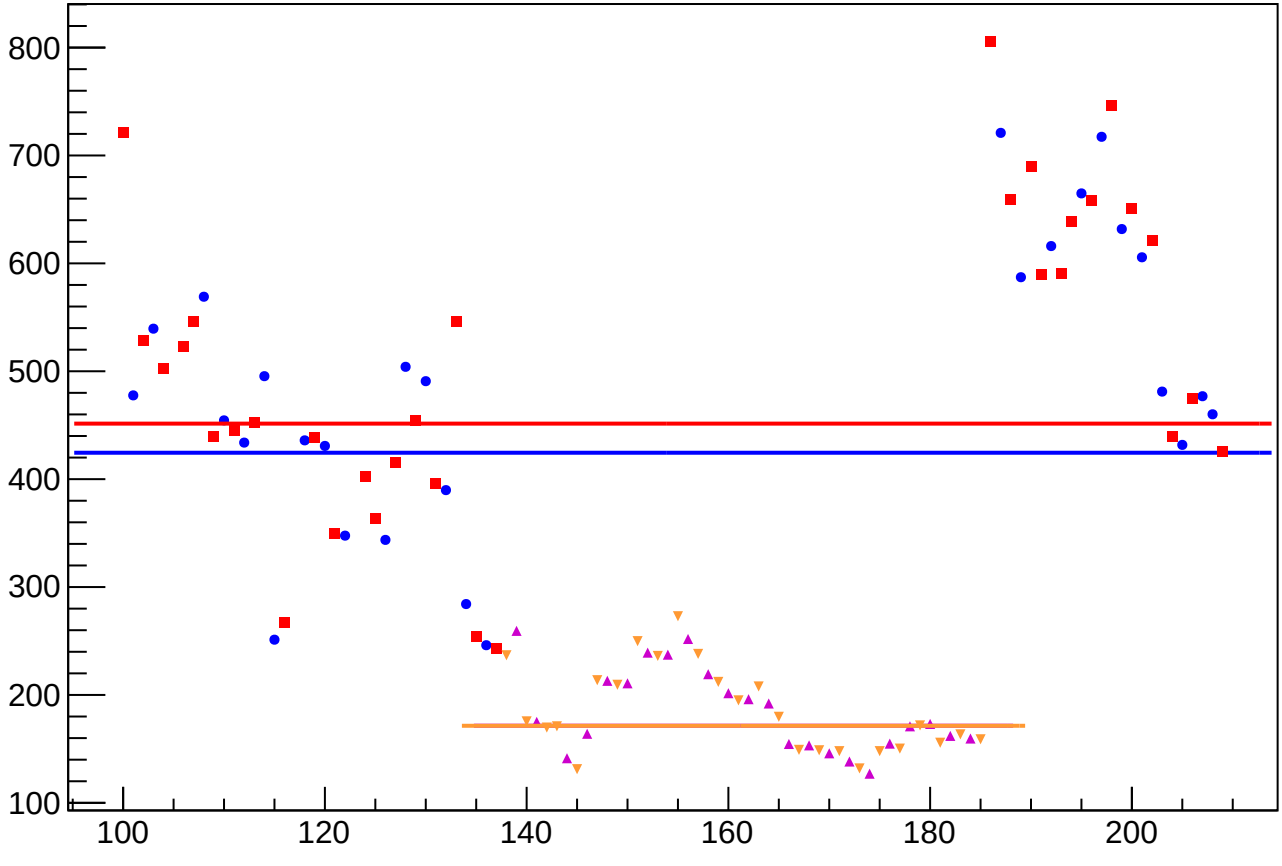
Right: 18.308+/-79.835 χ^2/NDF: 66.3/58

In: 10.046+/-38.486 χ^2/NDF:64.3/49

Out: 132.119+/-37.592 χ^2/NDF:105.8/56

All: 72.516+/-26.892 χ^2/NDF: 175.3/106

asym_sam_1357_2468_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 424.488+/-0.079 χ^2/NDF: 2735585.1/26

Left Out: 171.426+/-0.028 χ^2/NDF:1526868.9/24

Right Out: 451.475+/-0.080 χ^2/NDF: 2834775.0/31

Left In: 171.489+/-0.029 χ^2/NDF:1415782.1/22

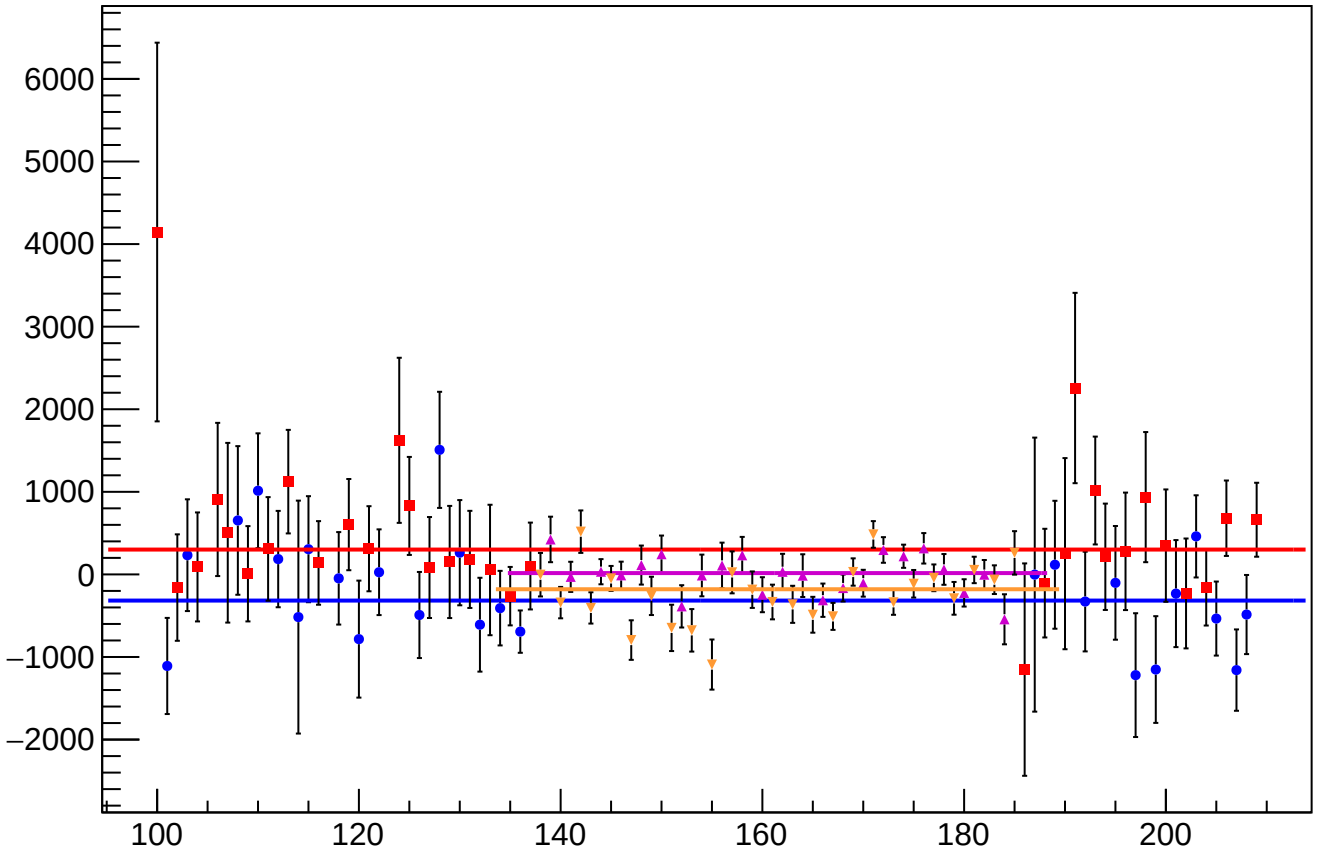
Left: 171.457+/-0.020 χ^2/NDF: 2942653.5/47

Right: 437.794+/-0.056 χ^2/NDF: 5627479.0/58

In: 201.295+/-0.027 χ^2/NDF:13134267.3/49

Out: 202.040+/-0.027 χ^2/NDF:15168832.0/56

All: 201.676+/-0.019 χ^2/NDF: 28303482.4/10



Right In: -316.817+/-108.133 χ^2/NDF: 29.6/26

Left Out: -179.656+/-39.364 χ^2/NDF:67.1/24

Right Out: 300.813+/-110.147 χ^2/NDF: 21.2/31

Left In: 16.057+/-40.396 χ^2/NDF:26.6/22

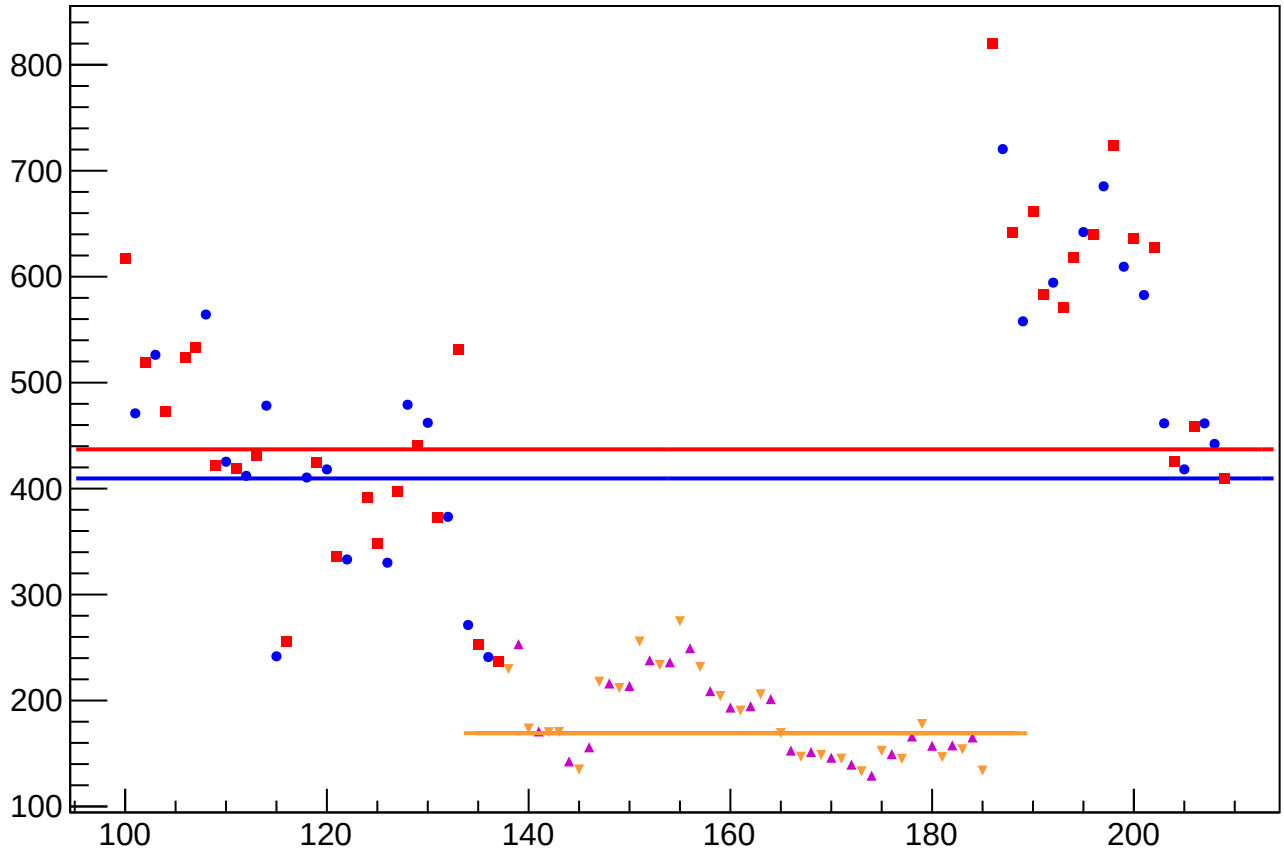
Left: -84.333+/-28.192 χ^2/NDF: 105.8/47

Right: -13.701+/-77.164 χ^2/NDF: 66.8/58

In: -24.710+/-37.842 χ^2/NDF:64.5/49

Out: -125.242+/-37.068 χ^2/NDF:105.2/56

All: -76.015+/-26.480 χ^2/NDF: 173.3/106



Right In: 409.593+/-0.076 χ^2/NDF: 2685440.0/26

Left Out: 169.182+/-0.028 χ^2/NDF:1547748.9/24

Right Out: 437.050+/-0.078 χ^2/NDF: 2863563.1/31

Left In: 169.187+/-0.029 χ^2/NDF:1374439.5/22

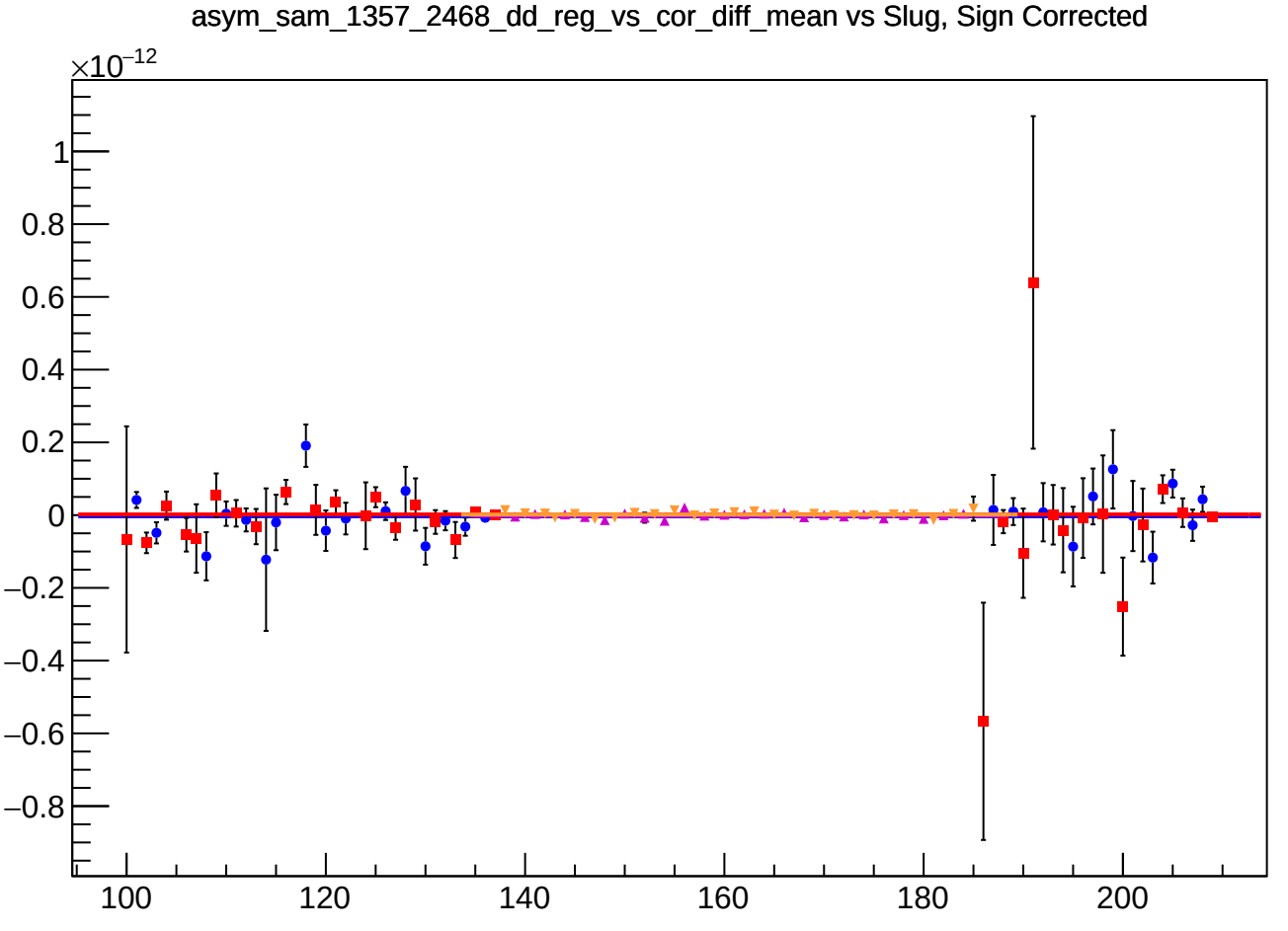
Left: 169.184+/-0.020 χ^2/NDF: 2922188.4/47

Right: 423.068+/-0.055 χ^2/NDF: 5612289.7/58

In: 198.629+/-0.027 χ^2/NDF:12734812.5/49

Out: 199.518+/-0.026 χ^2/NDF:14900151.9/56

All: 199.083+/-0.019 χ^2/NDF: 27635527.4/10



Right In: -0.000+/-0.000 χ^2/NDF: 40.4/26

Left Out: 0.000+/-0.000 χ^2/NDF:18.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 36.9/31

Left In: -0.000+/-0.000 χ^2/NDF:19.7/22

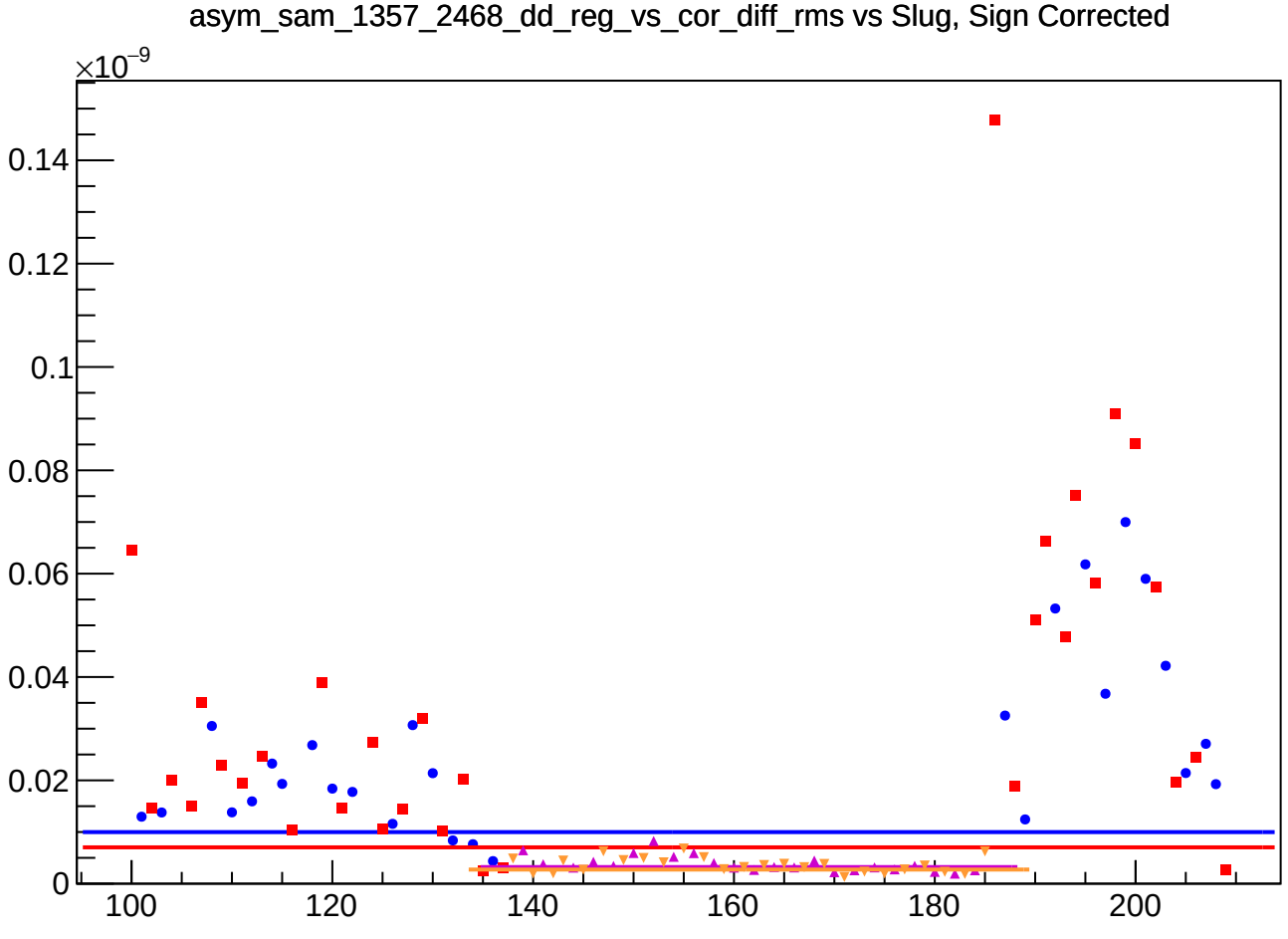
Left: 0.000+/-0.000 χ^2/NDF: 41.2/47

Right: -0.000+/-0.000 χ^2/NDF: 77.8/58

In: -0.000+/-0.000 χ^2/NDF:60.2/49

Out: 0.000+/-0.000 χ^2/NDF:55.7/56

All: 0.000+/-0.000 χ^2/NDF: 119.0/106



Right In: 0.000+/-0.000 χ^2/NDF: 5770771.2/26

Left Out: 0.000+/-0.000 χ^2/NDF:1923193.7/24

Right Out: 0.000+/-0.000 χ^2/NDF: 8756308.0/31

Left In: 0.000+/-0.000 χ^2/NDF:1355602.1/22

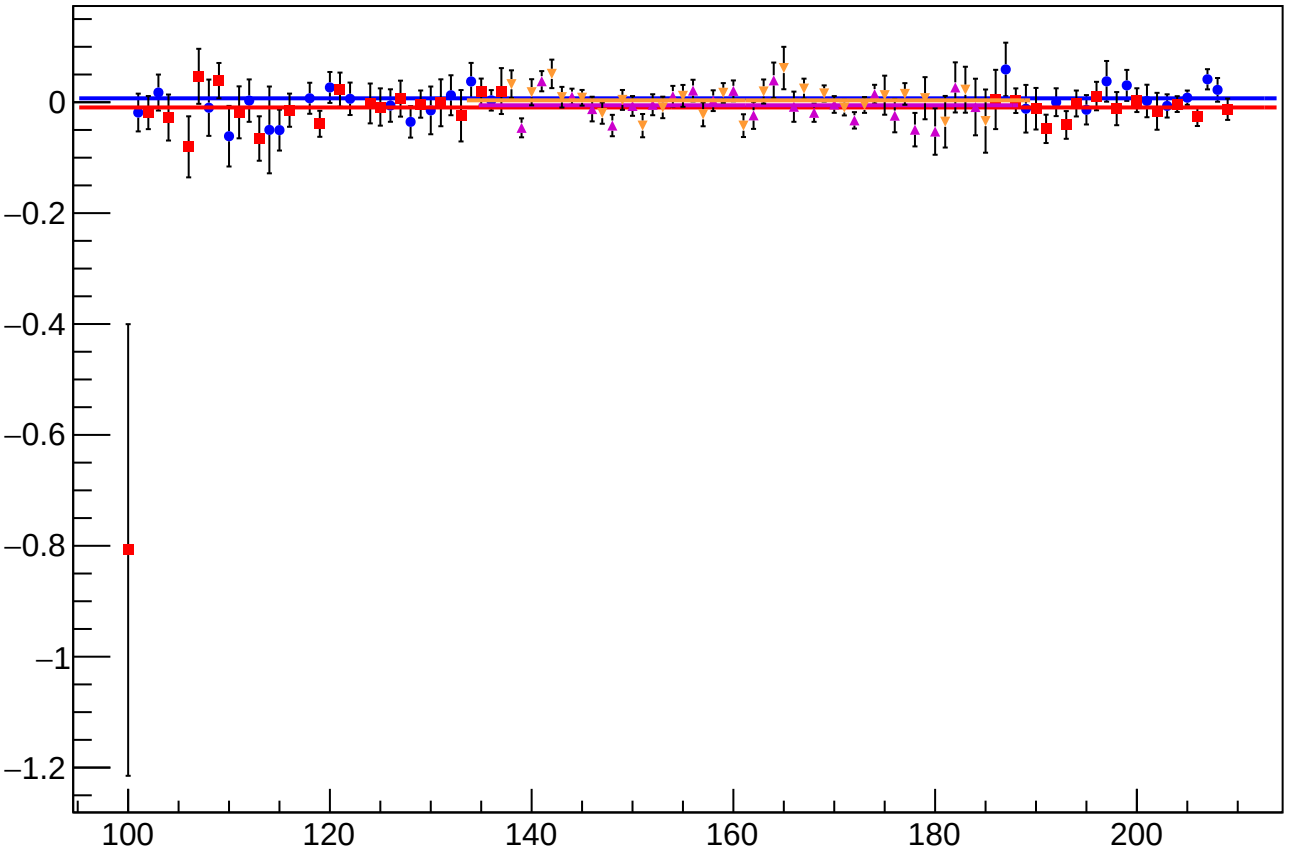
Left: 0.000+/-0.000 χ^2/NDF: 3427530.5/47

Right: 0.000+/-0.000 χ^2/NDF: 14875708.3/58

In: 0.000+/-0.000 χ^2/NDF:10108900.2/49

Out: 0.000+/-0.000 χ^2/NDF:12331179.6/56

All: 0.000+/-0.000 χ^2/NDF: 22697745.8/106



Right In: 0.007+/-0.005 χ^2/NDF: 17.3/26

Left Out: 0.003+/-0.004 χ^2/NDF:26.9/24

Right Out: -0.009+/-0.005 χ^2/NDF: 22.9/31

Left In: -0.005+/-0.004 χ^2/NDF:33.2/22

Left: -0.001+/-0.003 χ^2/NDF: 62.5/47

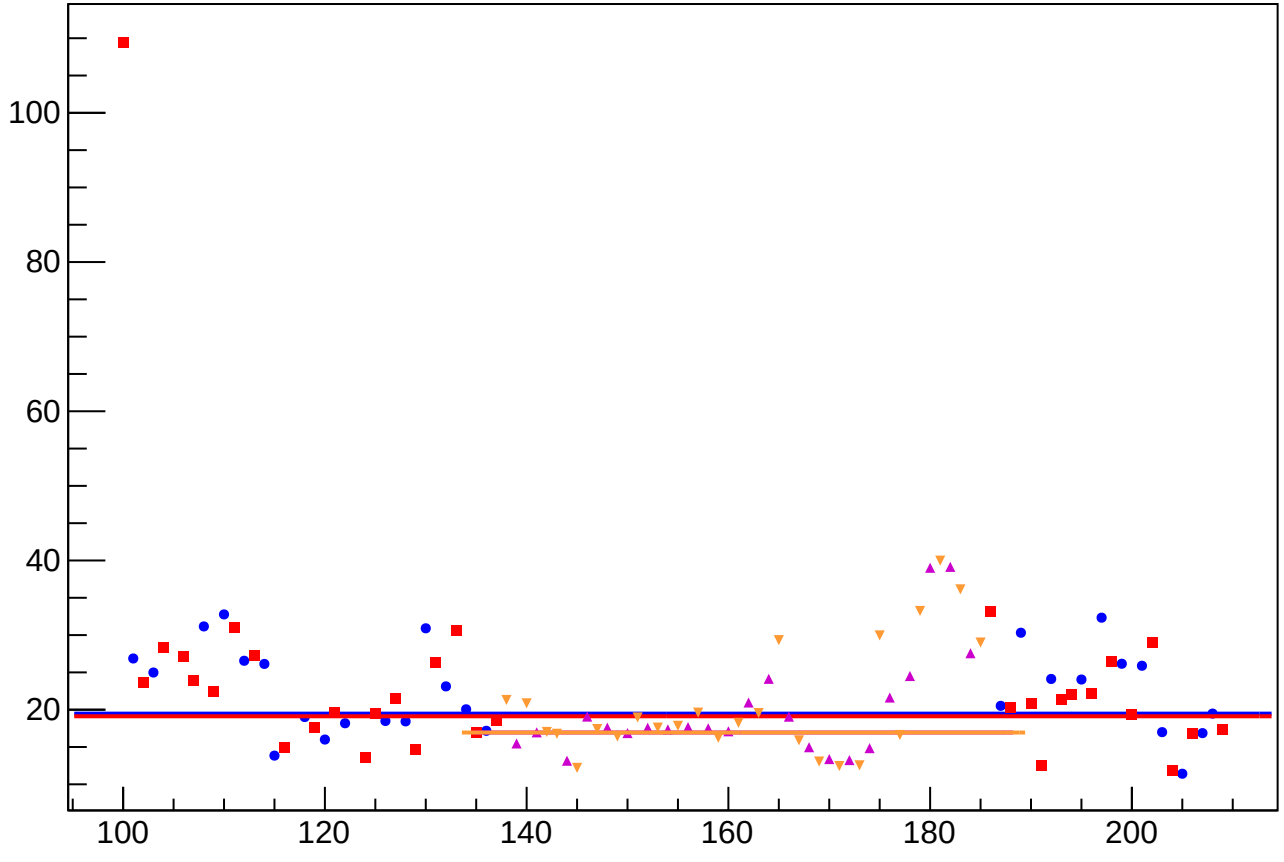
Right: -0.002+/-0.004 χ^2/NDF: 45.5/58

In: -0.001+/-0.003 χ^2/NDF:54.0/49

Out: -0.002+/-0.003 χ^2/NDF:53.9/56

All: -0.001+/-0.002 χ^2/NDF: 108.0/106

asym_sam_1357_2468_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 19.472+/-0.004 χ^2/NDF: 2301623.7/26

Left Out: 16.939+/-0.003 χ^2/NDF:2836877.8/24

Right Out: 19.116+/-0.003 χ^2/NDF: 2131385.6/31

Left In: 16.943+/-0.003 χ^2/NDF:1941845.2/22

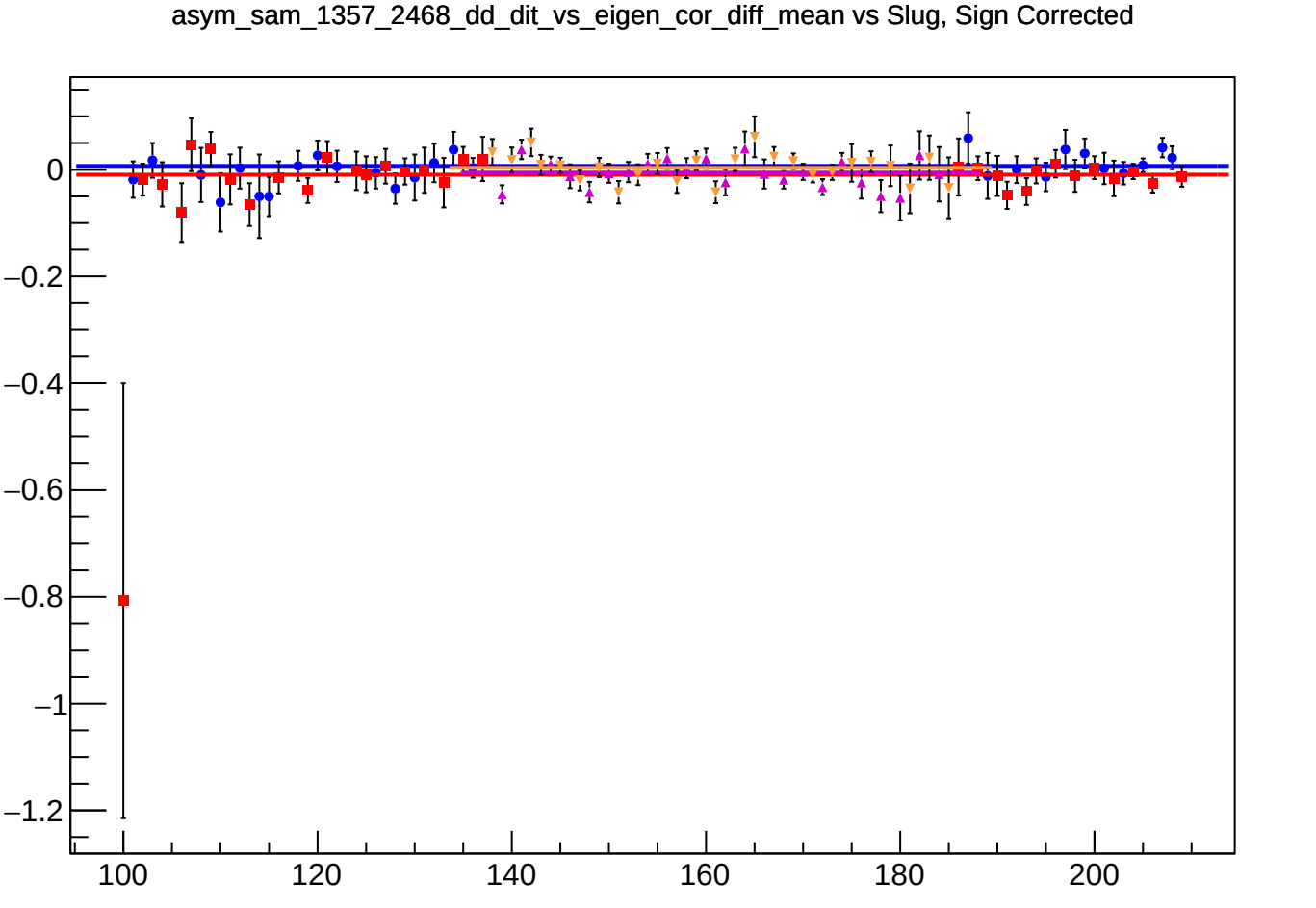
Left: 16.941+/-0.002 χ^2/NDF: 4778723.9/47

Right: 19.283+/-0.003 χ^2/NDF: 4437853.8/58

In: 17.923+/-0.002 χ^2/NDF:4525811.7/49

Out: 17.823+/-0.002 χ^2/NDF:5198503.2/56

All: 17.871+/-0.002 χ^2/NDF: 9725277.9/106



Right In: 0.007+/-0.005 χ^2/NDF: 17.3/26

Left Out: 0.003+/-0.004 χ^2/NDF:26.9/24

Right Out: -0.009+/-0.005 χ^2/NDF: 22.9/31

Left In: -0.005+/-0.004 χ^2/NDF:33.2/22

Left: -0.001+/-0.003 χ^2/NDF: 62.5/47

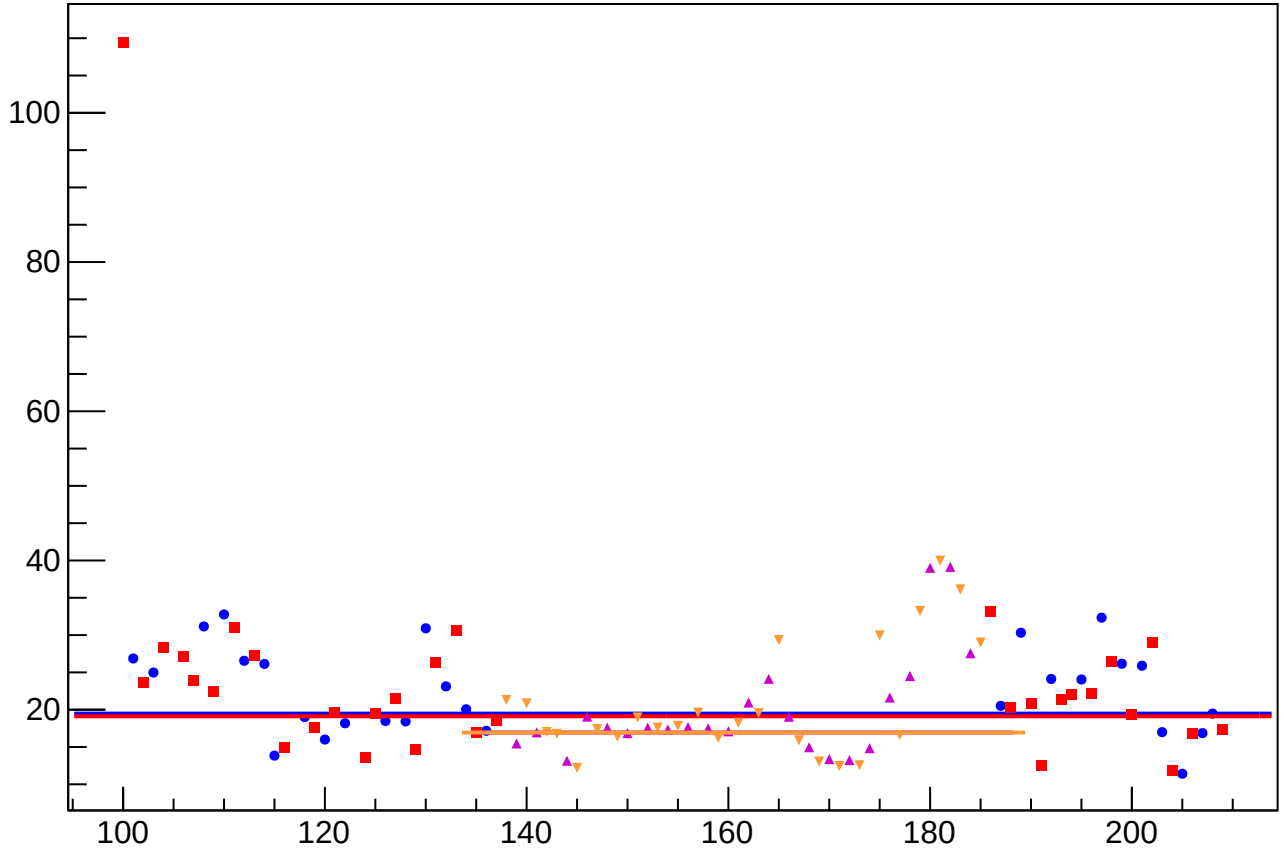
Right: -0.002+/-0.004 χ^2/NDF: 45.5/58

In: -0.001+/-0.003 χ^2/NDF:54.0/49

Out: -0.002+/-0.003 χ^2/NDF:53.9/56

All: -0.001+/-0.002 χ^2/NDF: 108.0/106

asym_sam_1357_2468_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 19.472+/-0.004 χ^2/NDF: 2301623.7/26

Left Out: 16.939+/-0.003 χ^2/NDF:2836877.8/24

Right Out: 19.116+/-0.003 χ^2/NDF: 2131385.6/31

Left In: 16.943+/-0.003 χ^2/NDF:1941845.2/22

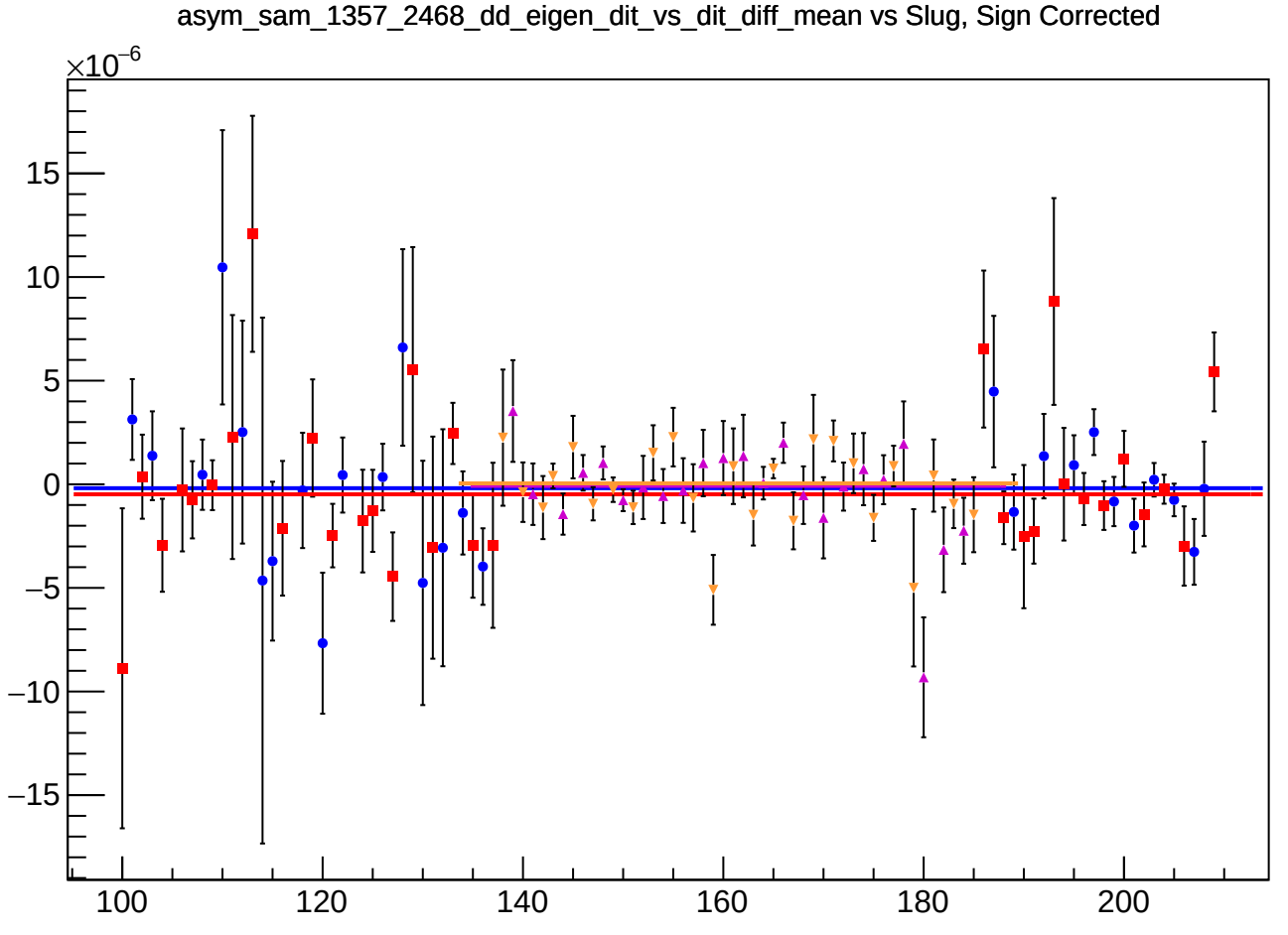
Left: 16.941+/-0.002 χ^2/NDF: 4778723.9/47

Right: 19.283+/-0.003 χ^2/NDF: 4437853.8/58

In: 17.923+/-0.002 χ^2/NDF:4525811.7/49

Out: 17.823+/-0.002 χ^2/NDF:5198503.2/56

All: 17.871+/-0.002 χ^2/NDF: 9725277.9/106



Right In: -0.000+/-0.000 χ^2/NDF: 35.8/26

Left Out: 0.000+/-0.000 χ^2/NDF:37.2/24

Right Out: -0.000+/-0.000 χ^2/NDF: 44.2/31

Left In: -0.000+/-0.000 χ^2/NDF:31.0/22

Left: -0.000+/-0.000 χ^2/NDF: 68.3/47

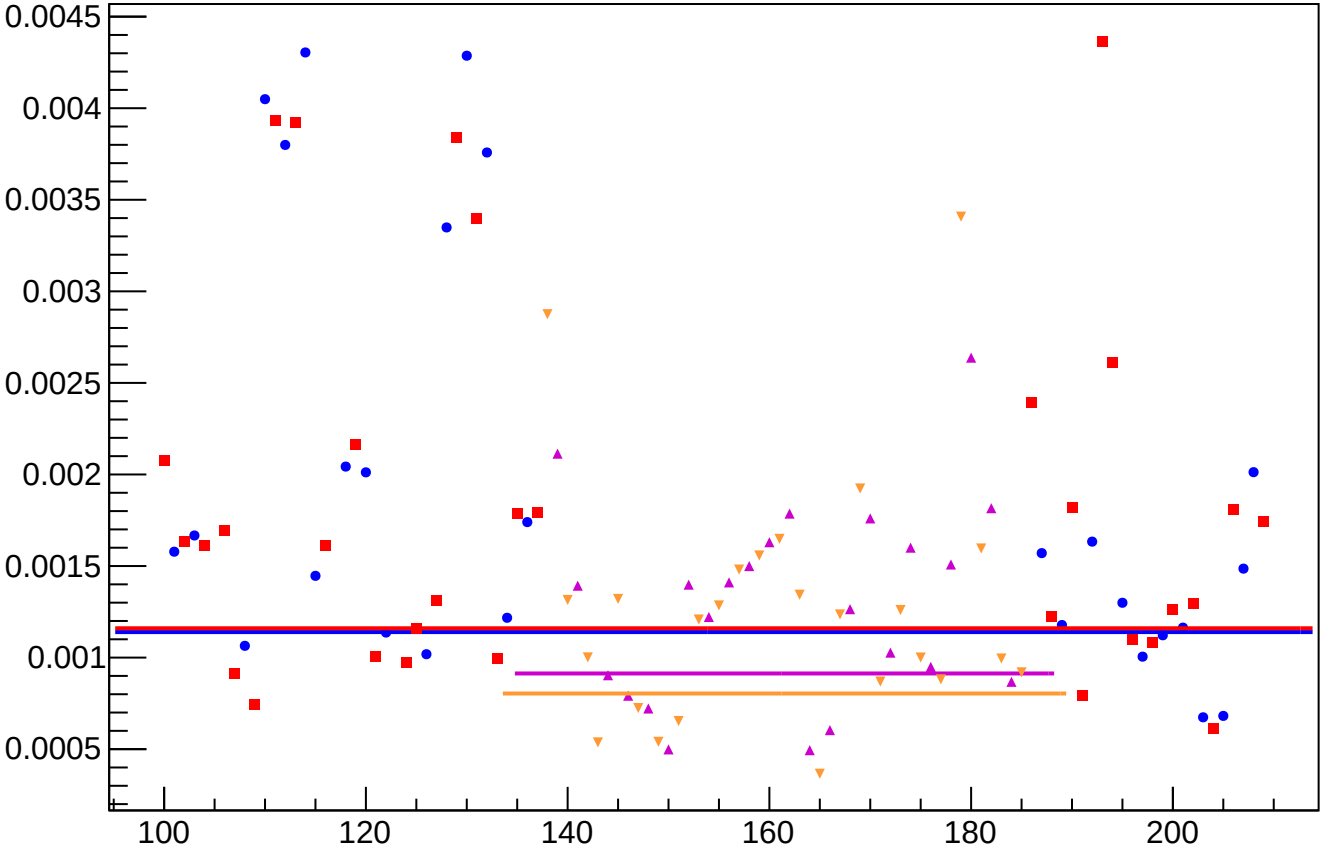
Right: -0.000+/-0.000 χ^2/NDF: 80.5/58

In: -0.000+/-0.000 χ^2/NDF:66.9/49

Out: -0.000+/-0.000 χ^2/NDF:83.3/56

All: -0.000+/-0.000 χ^2/NDF: 150.2/106

asym_sam_1357_2468_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.001+/-0.000 χ^2/NDF: 5163189.6/26

Left Out: 0.001+/-0.000 χ^2/NDF:8261261.7/24

Right Out: 0.001+/-0.000 χ^2/NDF: 6236475.6/31

Left In: 0.001+/-0.000 χ^2/NDF:6446479.8/22

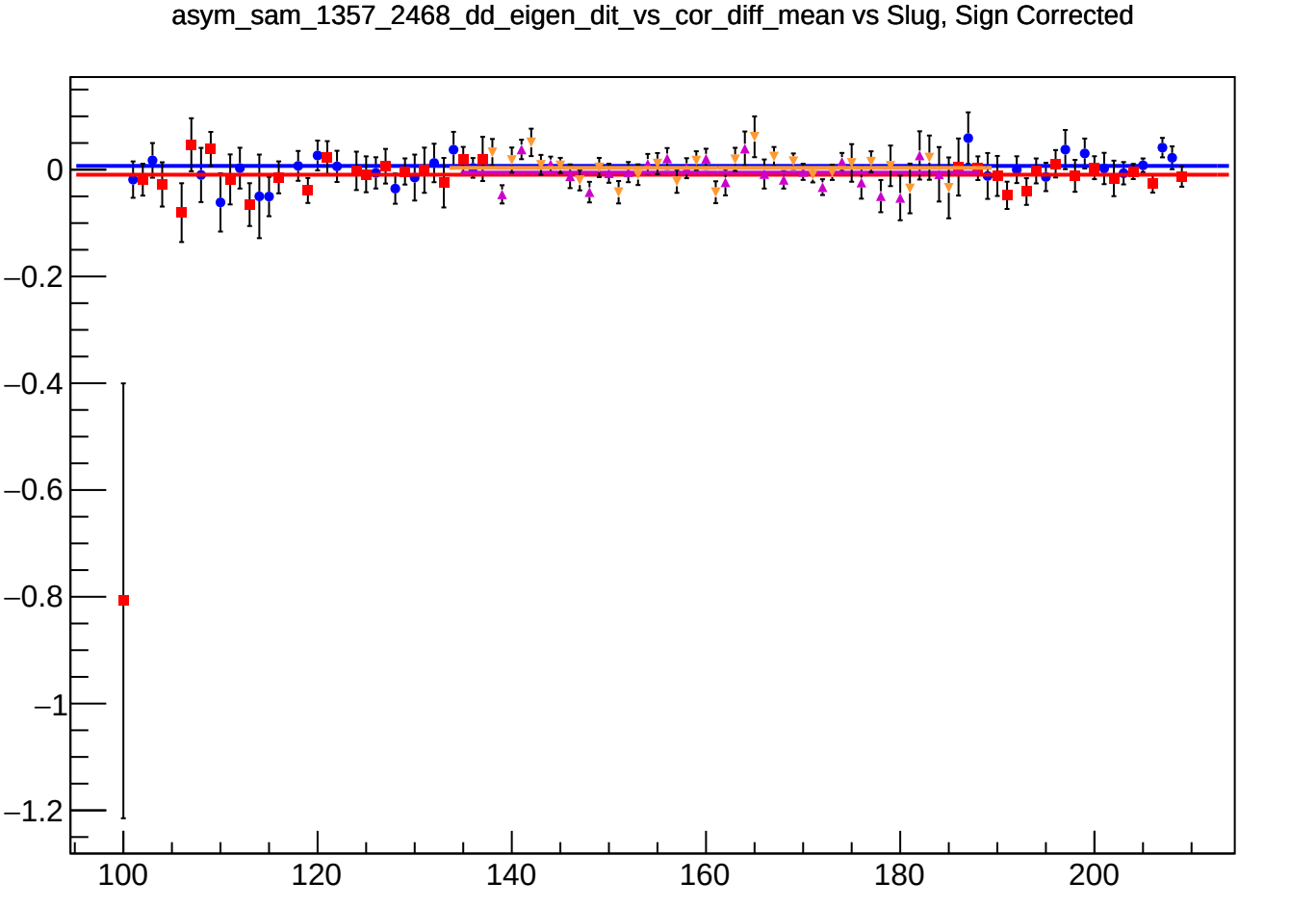
Left: 0.001+/-0.000 χ^2/NDF: 14939708.4/47

Right: 0.001+/-0.000 χ^2/NDF: 11403842.4/58

In: 0.001+/-0.000 χ^2/NDF:12228179.6/49

Out: 0.001+/-0.000 χ^2/NDF:16253827.4/56

All: 0.001+/-0.000 χ^2/NDF: 28683780.6/106



Right In: 0.007+/-0.005 χ^2/NDF: 17.3/26

Left Out: 0.003+/-0.004 χ^2/NDF:26.9/24

Right Out: -0.009+/-0.005 χ^2/NDF: 22.9/31

Left In: -0.005+/-0.004 χ^2/NDF:33.2/22

Left: -0.001+/-0.003 χ^2/NDF: 62.5/47

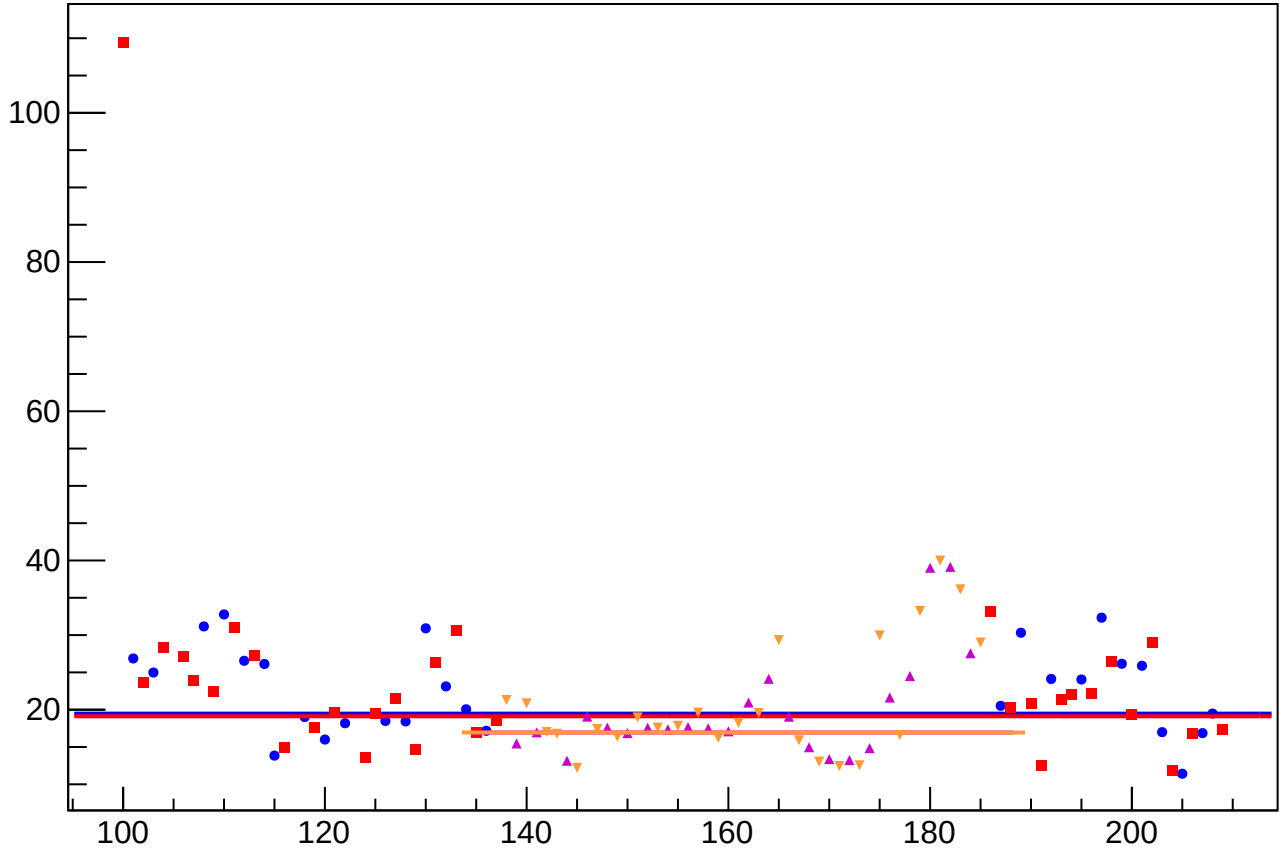
Right: -0.002+/-0.004 χ^2/NDF: 45.5/58

In: -0.001+/-0.003 χ^2/NDF:54.0/49

Out: -0.002+/-0.003 χ^2/NDF:53.9/56

All: -0.001+/-0.002 χ^2/NDF: 108.0/106

asym_sam_1357_2468_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 19.472+/-0.004 χ^2/NDF: 2301622.0/26

Left Out: 16.939+/-0.003 χ^2/NDF:2836863.1/24

Right Out: 19.116+/-0.003 χ^2/NDF: 2131409.4/31

Left In: 16.943+/-0.003 χ^2/NDF:1941834.9/22

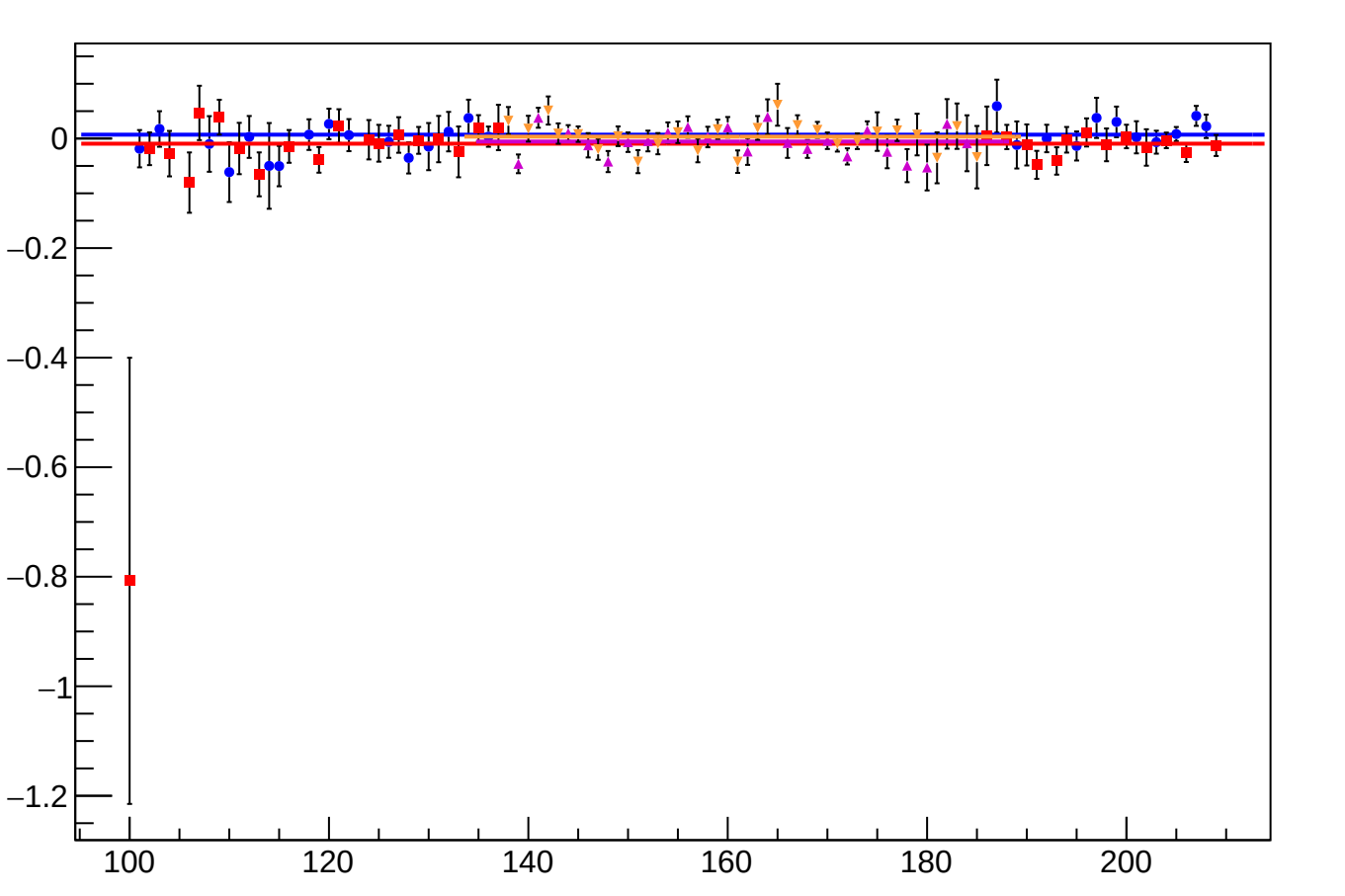
Left: 16.941+/-0.002 χ^2/NDF: 4778698.8/47

Right: 19.283+/-0.003 χ^2/NDF: 4437872.3/58

In: 17.923+/-0.002 χ^2/NDF:4525721.8/49

Out: 17.824+/-0.002 χ^2/NDF:5198449.4/56

All: 17.871+/-0.002 χ^2/NDF: 9725132.6/106



Right In: 0.007+/-0.005 χ^2/NDF: 17.3/26

Left Out: 0.003+/-0.004 χ^2/NDF:26.9/24

Right Out: -0.009+/-0.005 χ^2/NDF: 22.9/31

Left In: -0.005+/-0.004 χ^2/NDF:33.2/22

Left: -0.001+/-0.003 χ^2/NDF: 62.5/47

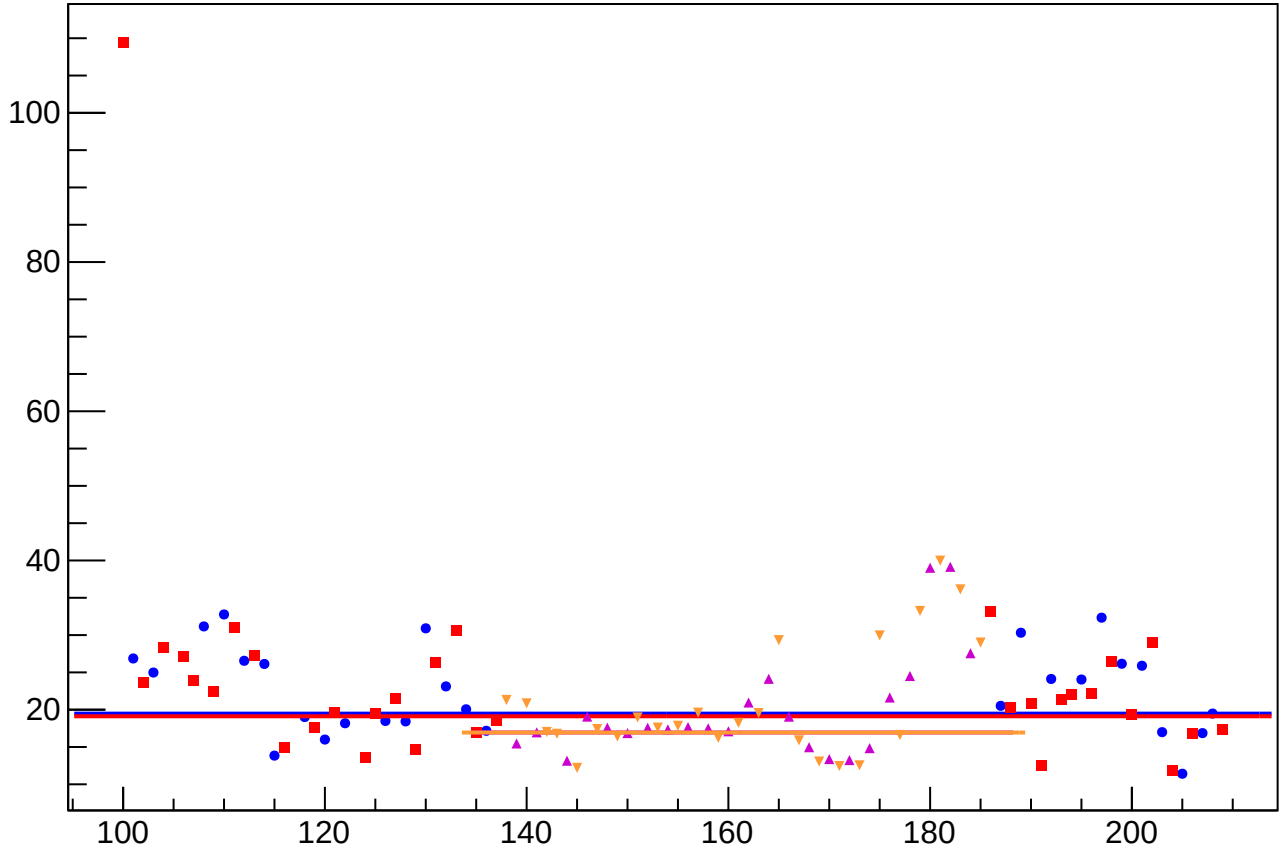
Right: -0.002+/-0.004 χ^2/NDF: 45.5/58

In: -0.001+/-0.003 χ^2/NDF:54.0/49

Out: -0.002+/-0.003 χ^2/NDF:53.9/56

All: -0.001+/-0.002 χ^2/NDF: 108.0/106

asym_sam_1357_2468_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 19.472+/-0.004 χ^2/NDF: 2301622.0/26

Left Out: 16.939+/-0.003 χ^2/NDF:2836863.1/24

Right Out: 19.116+/-0.003 χ^2/NDF: 2131409.4/31

Left In: 16.943+/-0.003 χ^2/NDF:1941834.9/22

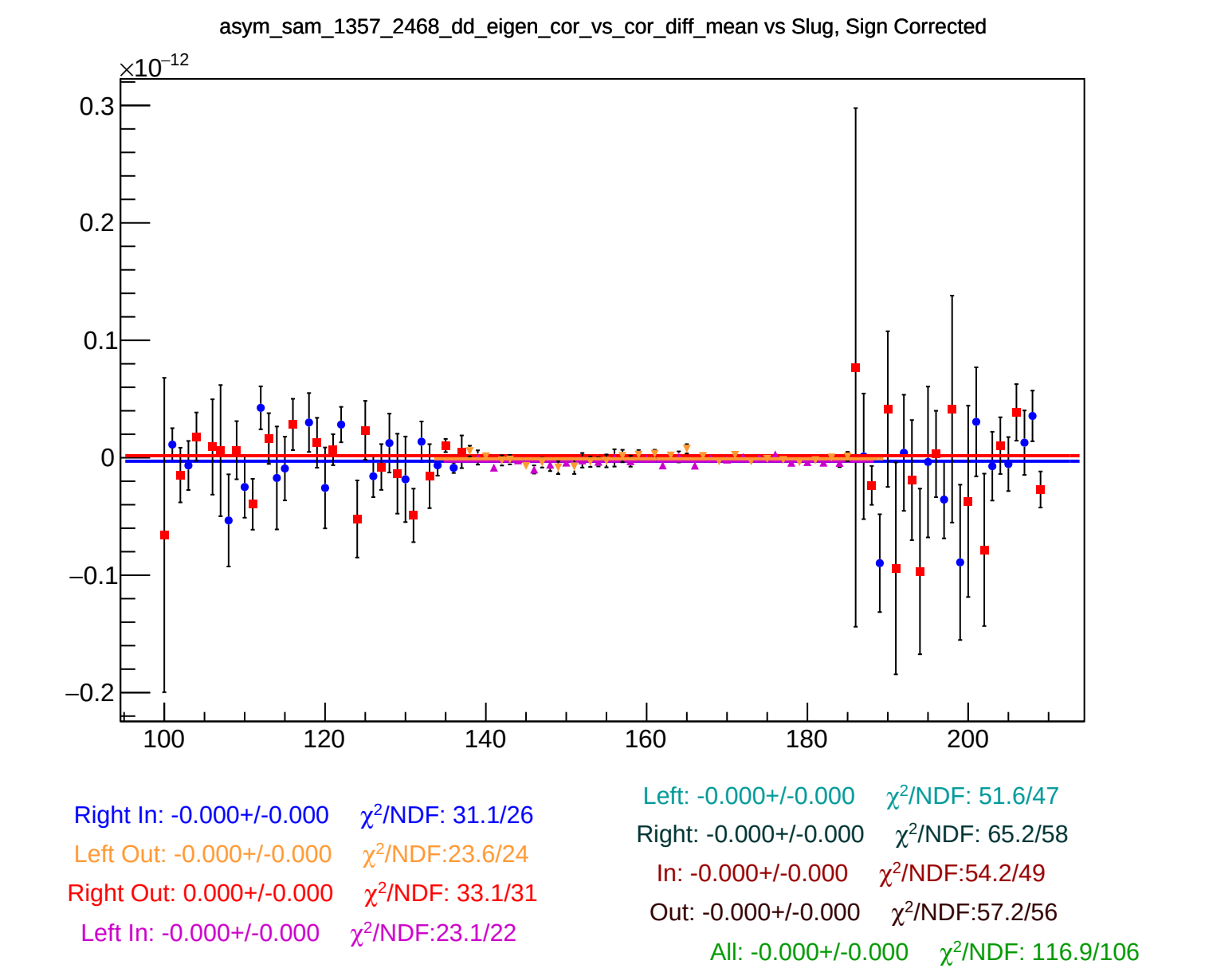
Left: 16.941+/-0.002 χ^2/NDF: 4778698.8/47

Right: 19.283+/-0.003 χ^2/NDF: 4437872.3/58

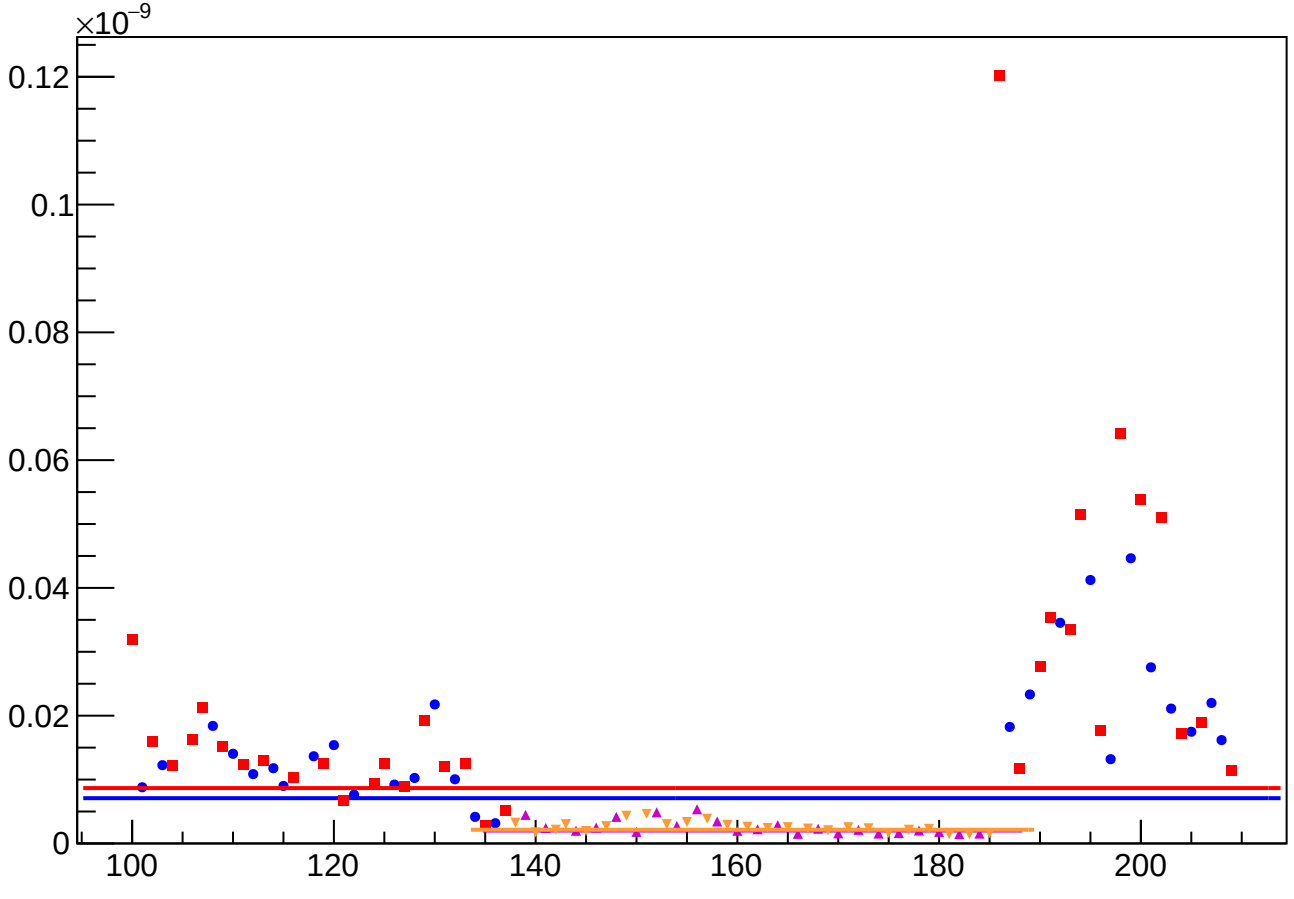
In: 17.923+/-0.002 χ^2/NDF:4525721.8/49

Out: 17.824+/-0.002 χ^2/NDF:5198449.4/56

All: 17.871+/-0.002 χ^2/NDF: 9725132.6/106


asym_sam_1357_2468_dd_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
0.3
0.2
0.1
0
−0.1
−0.2
100
120
140
160
180
200
Right In: -0.000+/-0.000 χ²/NDF: 31.1/26
Left Out: -0.000+/-0.000 χ²/NDF:23.6/24
Right Out: 0.000+/-0.000 χ²/NDF: 33.1/31
Left In: -0.000+/-0.000 χ²/NDF:23.1/22
Left: -0.000+/-0.000 χ²/NDF: 51.6/47
Right: -0.000+/-0.000 χ²/NDF: 65.2/58
In: -0.000+/-0.000 χ²/NDF:54.2/49
Out: -0.000+/-0.000 χ²/NDF:57.2/56
All: -0.000+/-0.000 χ²/NDF: 116.9/106

asym_sam_1357_2468_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 7562377.5/26

Left Out: 0.000+/-0.000 χ^2/NDF:2184835.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 8532500.1/31

Left In: 0.000+/-0.000 χ^2/NDF:2375362.0/22

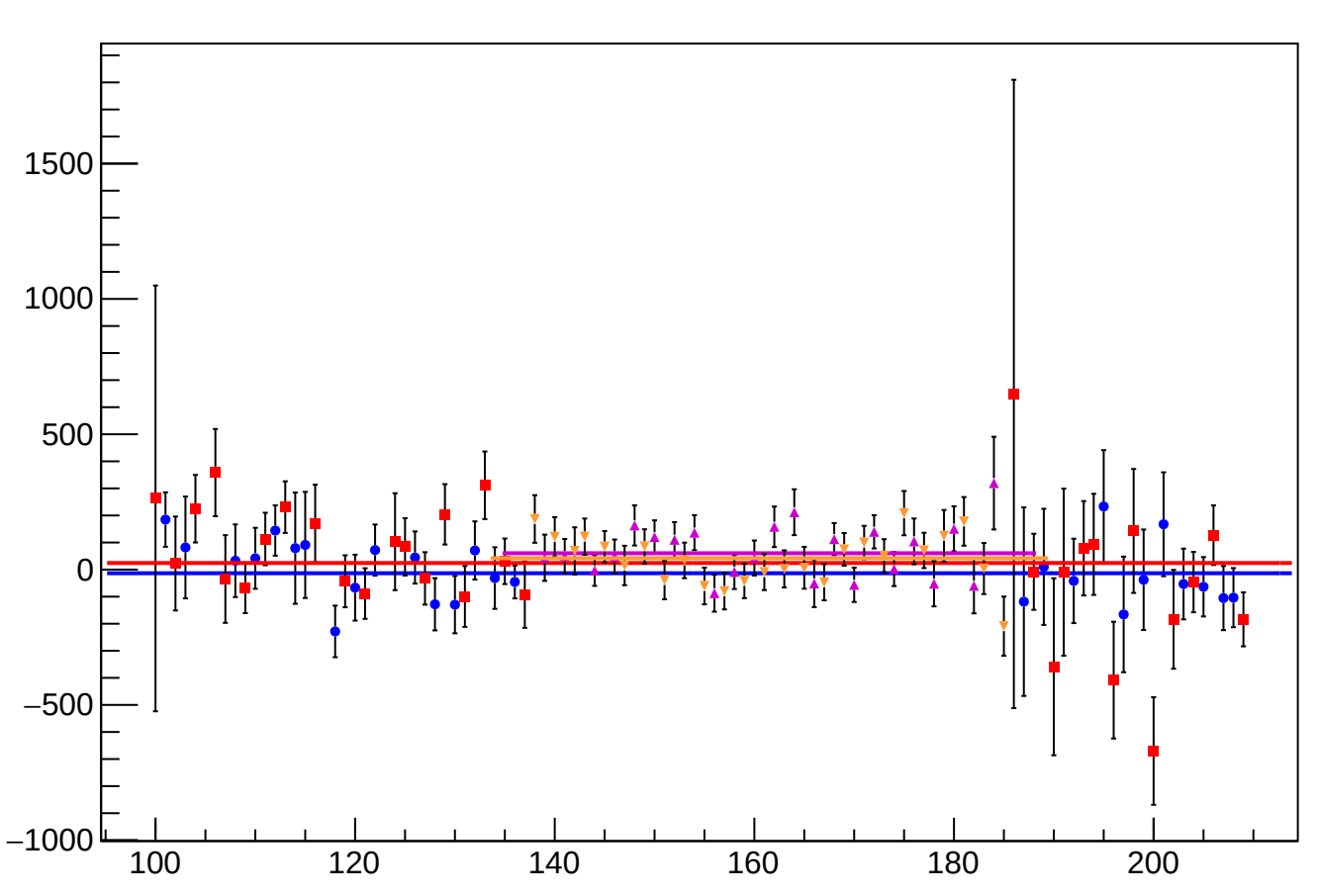
Left: 0.000+/-0.000 χ^2/NDF: 4598686.8/47

Right: 0.000+/-0.000 χ^2/NDF: 16321518.1/58

In: 0.000+/-0.000 χ^2/NDF:15062030.8/49

Out: 0.000+/-0.000 χ^2/NDF:17344748.9/56

All: 0.000+/-0.000 χ^2/NDF: 32448342.9/106



Right In: -13.432+/-22.797 χ^2/NDF: 22.4/26

Left Out: 42.012+/-14.181 χ^2/NDF:32.0/24

Right Out: 24.336+/-22.770 χ^2/NDF: 52.9/31

Left In: 60.376+/-14.714 χ^2/NDF:32.2/22

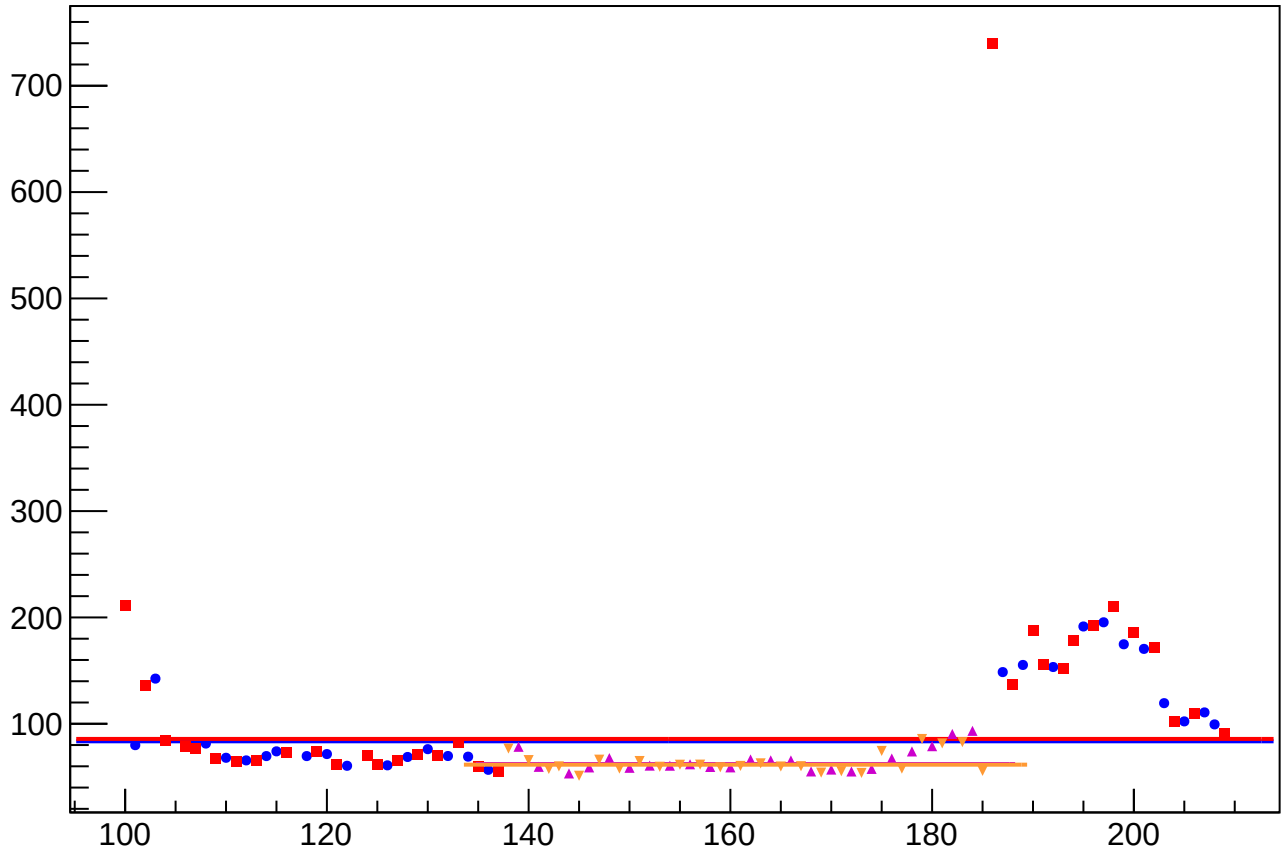
Left: 50.856+/-10.211 χ^2/NDF: 65.0/47

Right: 5.474+/-16.110 χ^2/NDF: 76.6/58

In: 38.671+/-12.362 χ^2/NDF:62.0/49

Out: 37.072+/-12.037 χ^2/NDF:85.3/56

All: 37.850+/-8.624 χ^2/NDF: 147.3/106



Right In: 83.510+/-0.016 χ^2/NDF: 4160897.6/26

Left Out: 61.544+/-0.010 χ^2/NDF:637834.8/24

Right Out: 85.749+/-0.016 χ^2/NDF: 5408840.9/31

Left In: 62.144+/-0.010 χ^2/NDF:596754.9/22

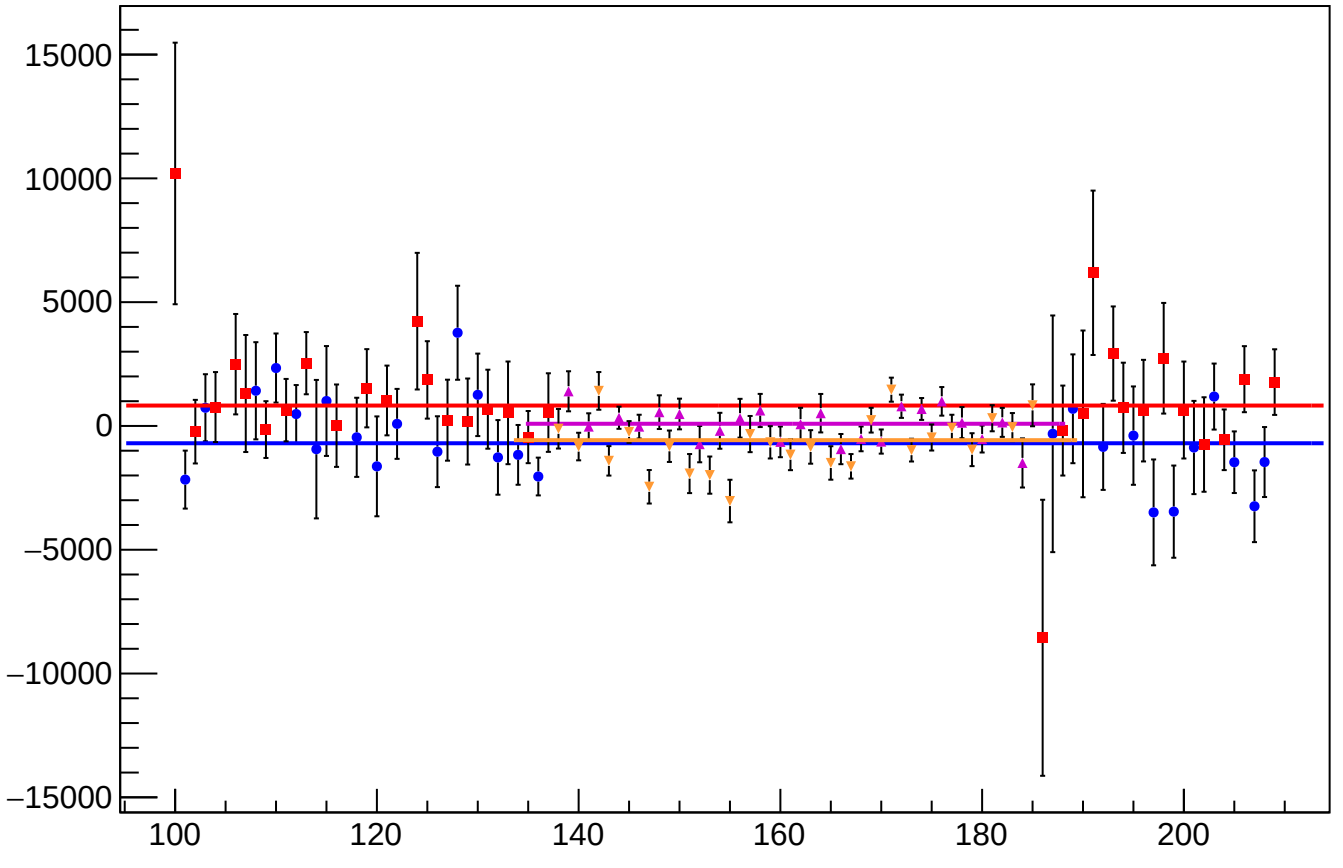
Left: 61.833+/-0.007 χ^2/NDF: 1236316.2/47

Right: 84.631+/-0.011 χ^2/NDF: 9579392.2/58

In: 68.428+/-0.009 χ^2/NDF:5997838.9/49

Out: 68.309+/-0.009 χ^2/NDF:7675088.9/56

All: 68.367+/-0.006 χ^2/NDF: 13673022.7/106



Right In: -698.764+/-288.370 χ^2/NDF: 31.2/26

Left Out: -574.818+/-119.736 χ^2/NDF:68.8/24

Right Out: 824.044+/-290.066 χ^2/NDF: 22.2/31

Left In: 88.334+/-122.492 χ^2/NDF:24.6/22

Left: -250.787+/-85.624 χ^2/NDF: 108.4/47

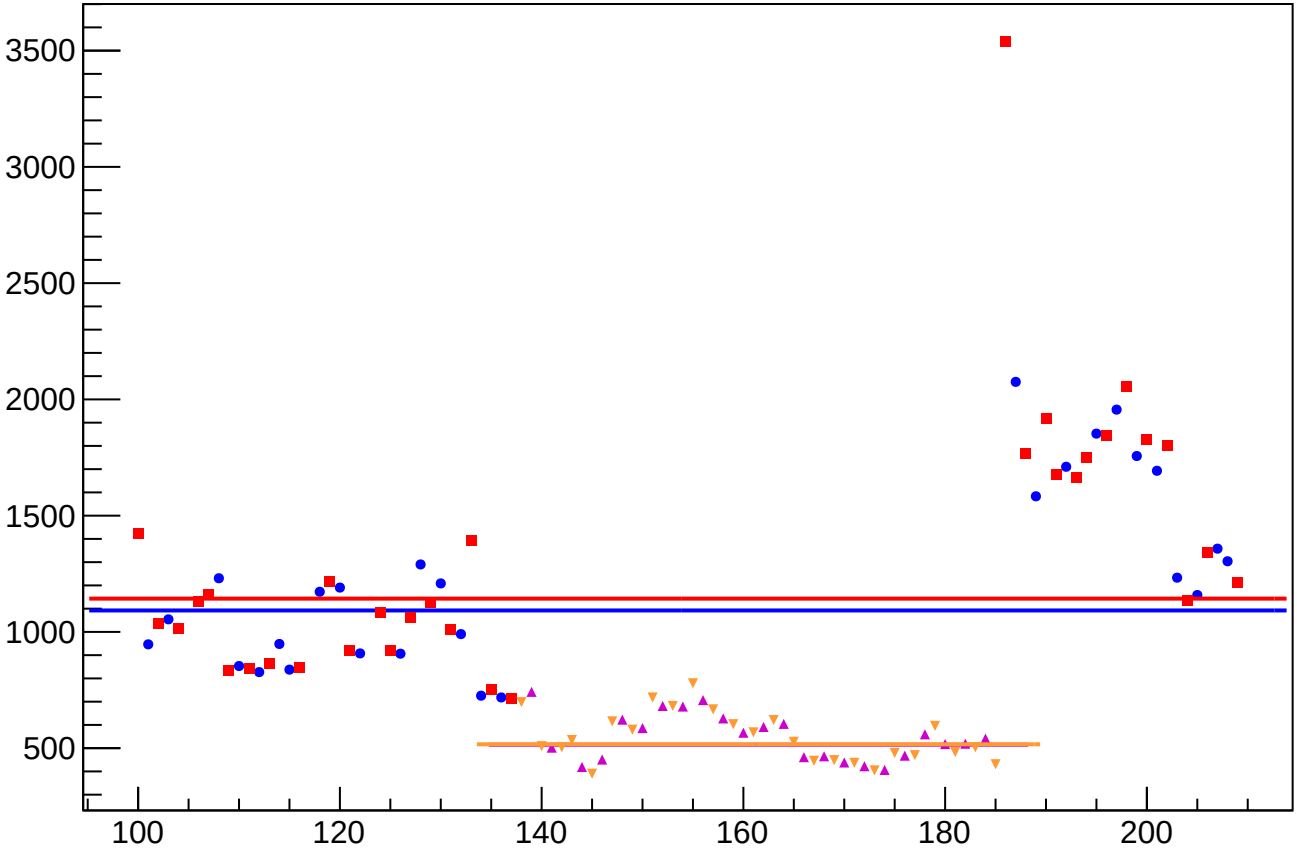
Right: 58.176+/-204.506 χ^2/NDF: 67.3/58

In: -31.977+/-112.743 χ^2/NDF:62.1/49

Out: -371.161+/-110.677 χ^2/NDF:110.8/56

All: -204.704+/-78.981 χ^2/NDF: 177.6/106

asym_sam_12345678_avg_reg_correction_rms vs Slug, Sign Corrected



Right In: 1092.294+/-0.204 χ^2/NDF: 2674494.6/26

Left Out: 516.635+/-0.085 χ^2/NDF:1265161.0/24

Right Out: 1143.215+/-0.205 χ^2/NDF: 3261836.8/31

Left In: 514.781+/-0.087 χ^2/NDF:1120436.1/22

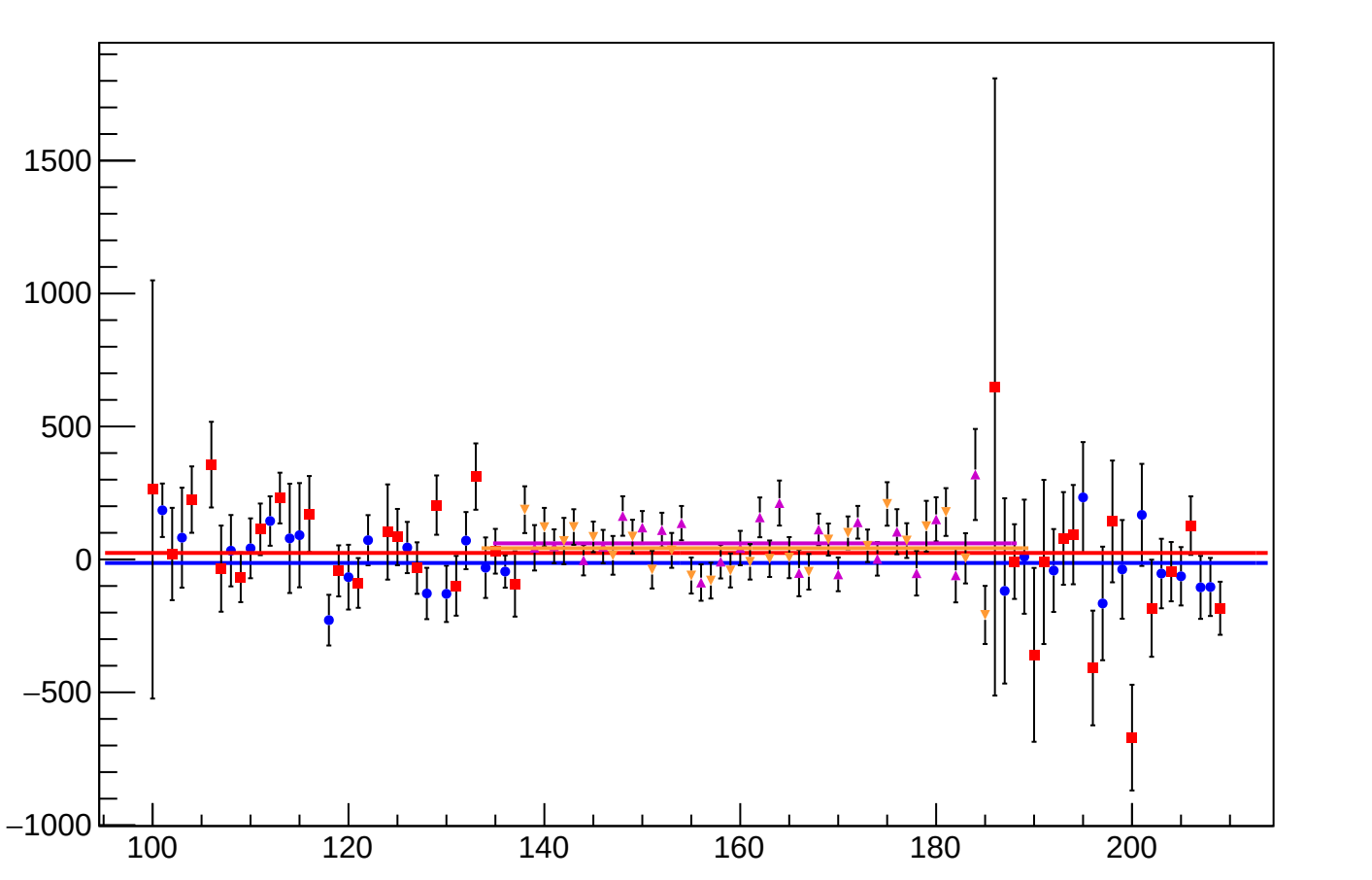
Left: 515.729+/-0.061 χ^2/NDF: 2385831.5/47

Right: 1117.605+/-0.145 χ^2/NDF: 5967329.4/58

In: 603.056+/-0.080 χ^2/NDF:10590267.9/49

Out: 607.858+/-0.078 χ^2/NDF:12500622.8/56

All: 605.501+/-0.056 χ^2/NDF: 23092738.1/10



Right In: -13.440+/-22.797 χ^2/NDF: 22.4/26

Left Out: 42.017+/-14.181 χ^2/NDF:32.0/24

Right Out: 24.244+/-22.770 χ^2/NDF: 52.8/31

Left In: 60.376+/-14.714 χ^2/NDF:32.2/22

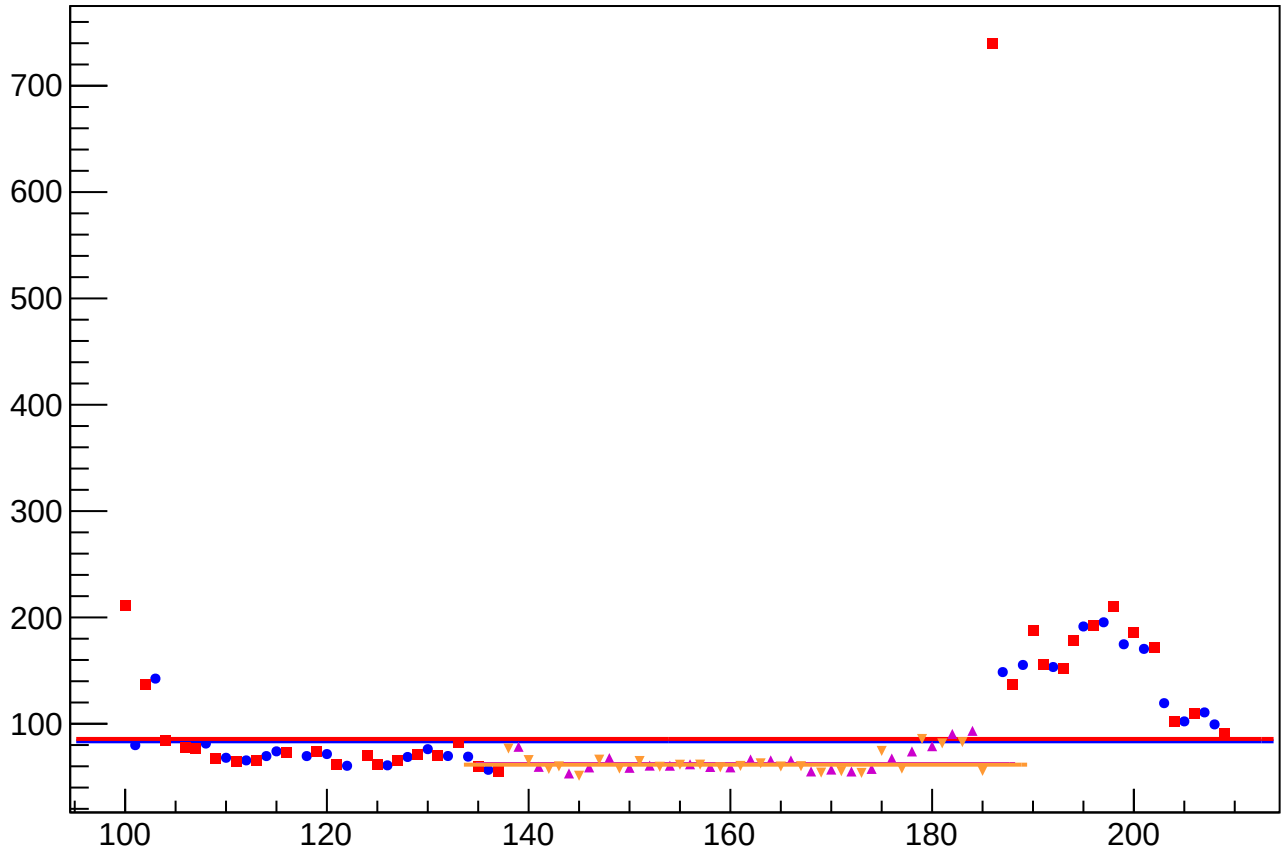
Left: 50.858+/-10.211 χ^2/NDF: 65.0/47

Right: 5.424+/-16.110 χ^2/NDF: 76.6/58

In: 38.669+/-12.362 χ^2/NDF:62.0/49

Out: 37.050+/-12.038 χ^2/NDF:85.3/56

All: 37.838+/-8.624 χ^2/NDF: 147.3/106



Right In: 83.510+/-0.016 χ^2/NDF: 4160900.7/26

Left Out: 61.544+/-0.010 χ^2/NDF:637834.9/24

Right Out: 85.736+/-0.016 χ^2/NDF: 5409950.7/31

Left In: 62.144+/-0.010 χ^2/NDF:596754.9/22

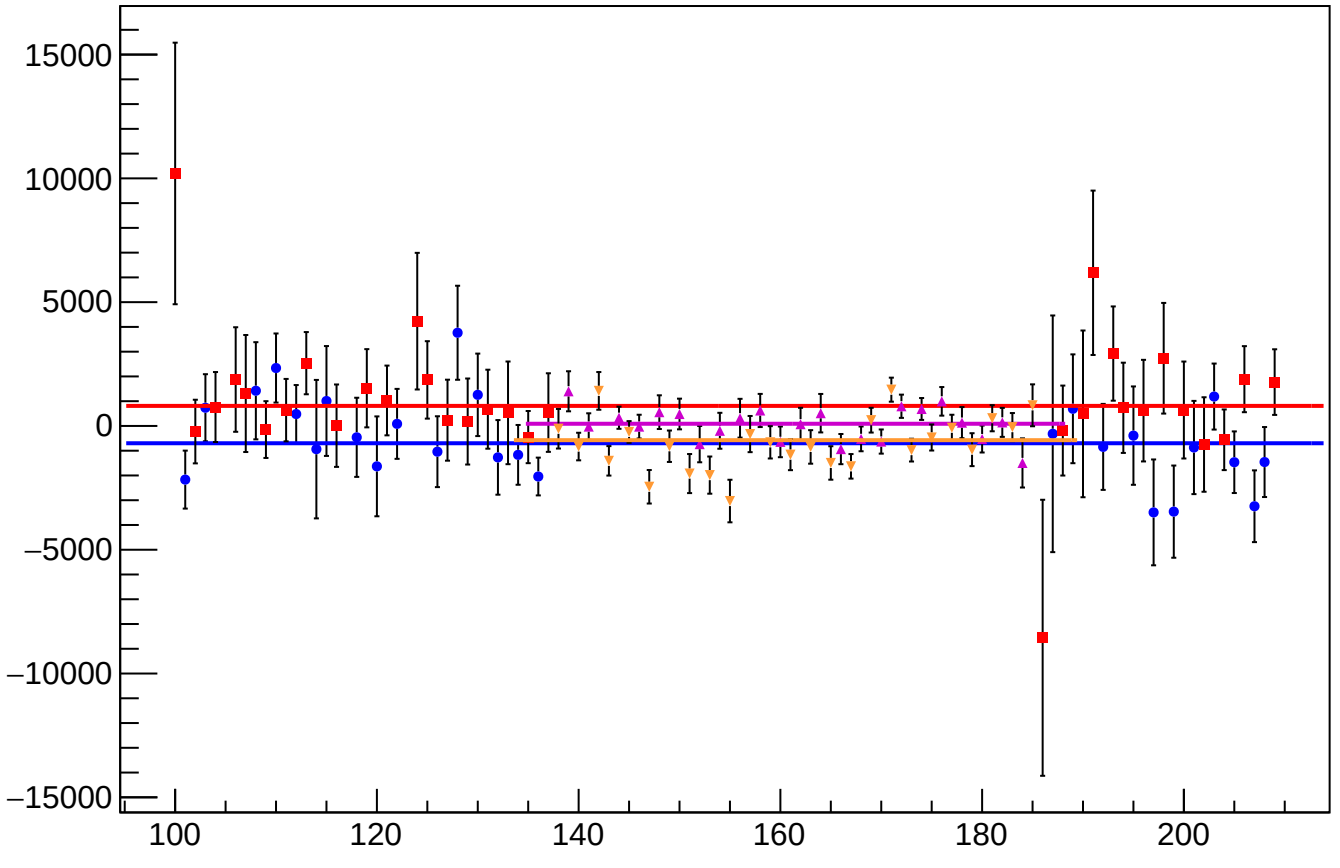
Left: 61.833+/-0.007 χ^2/NDF: 1236316.3/47

Right: 84.624+/-0.011 χ^2/NDF: 9580389.8/58

In: 68.428+/-0.009 χ^2/NDF:5997842.0/49

Out: 68.305+/-0.009 χ^2/NDF:7674329.3/56

All: 68.365+/-0.006 χ^2/NDF: 13672272.7/106



Right In: -698.746+/-288.371 χ^2/NDF: 31.2/26

Left Out: -574.811+/-119.736 χ^2/NDF:68.8/24

Right Out: 810.015+/-290.308 χ^2/NDF: 21.7/31

Left In: 88.333+/-122.492 χ^2/NDF:24.6/22

Left: -250.783+/-85.624 χ^2/NDF: 108.4/47

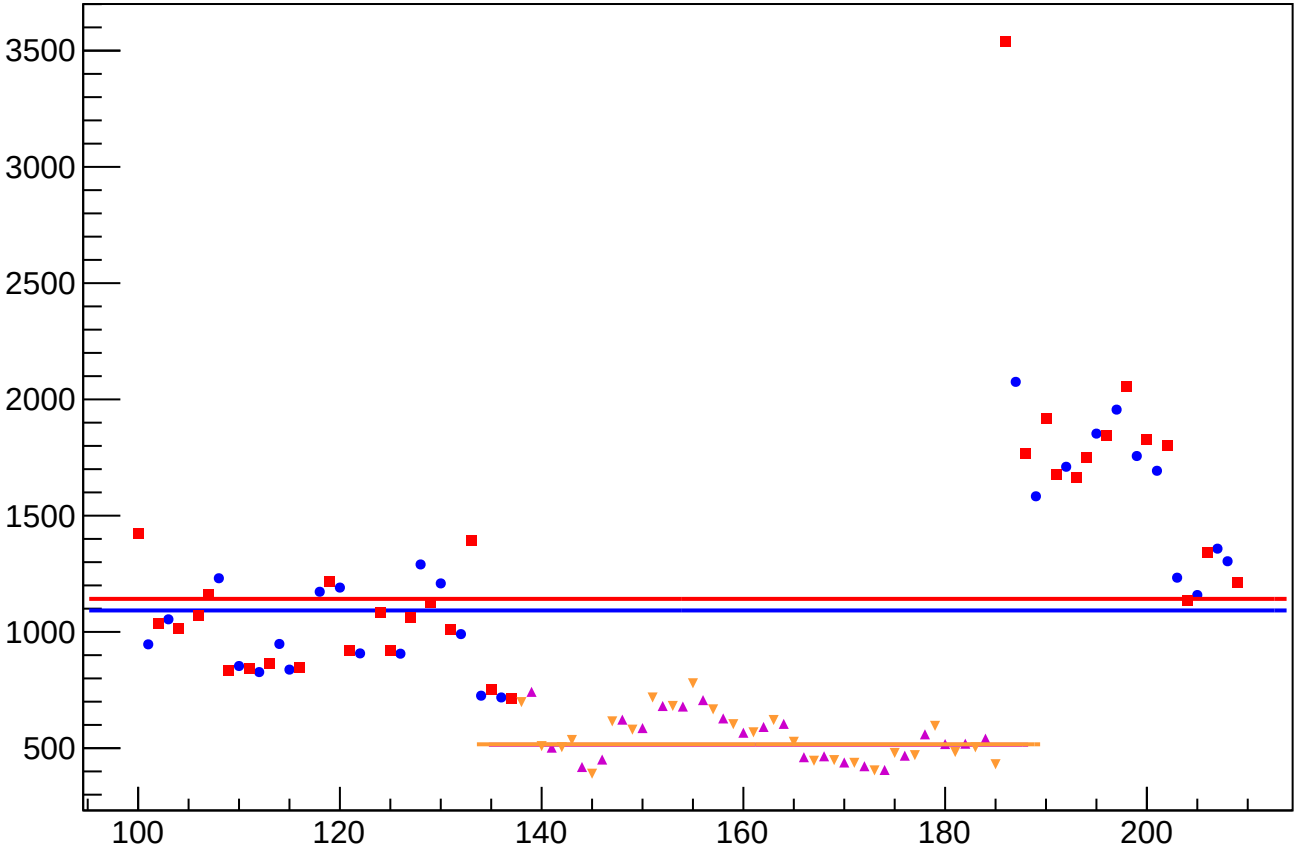
Right: 50.586+/-204.591 χ^2/NDF: 66.6/58

In: -31.974+/-112.743 χ^2/NDF:62.1/49

Out: -373.484+/-110.691 χ^2/NDF:110.0/56

All: -205.865+/-78.986 χ^2/NDF: 176.8/106

asym_sam_12345678_avg_cor_correction_rms vs Slug, Sign Corrected



Right In: 1092.298+/-0.204 χ^2/NDF: 2674491.7/26

Left Out: 516.635+/-0.085 χ^2/NDF:1265163.0/24

Right Out: 1142.094+/-0.205 χ^2/NDF: 3263970.4/31

Left In: 514.781+/-0.087 χ^2/NDF:1120434.8/22

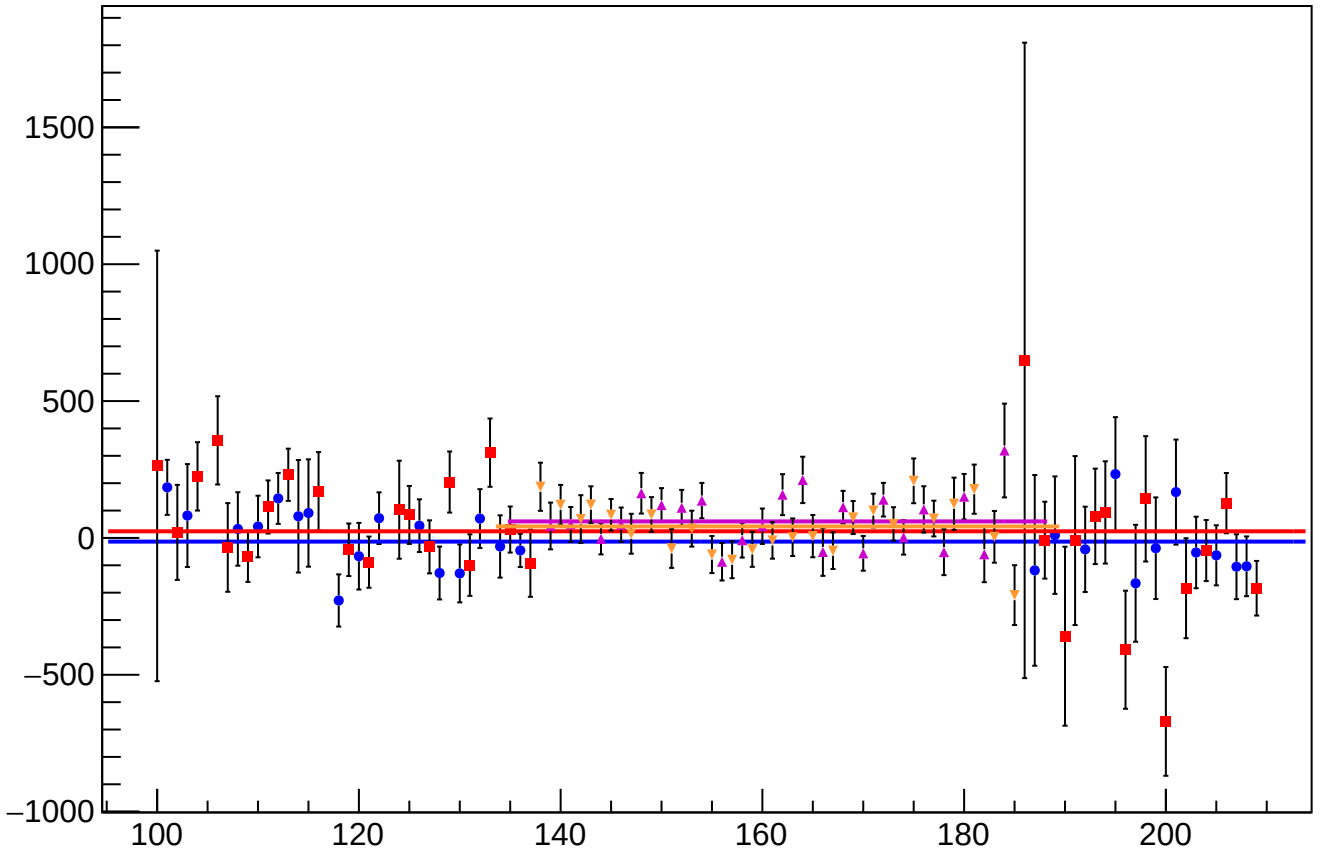
Left: 515.729+/-0.061 χ^2/NDF: 2385832.1/47

Right: 1117.030+/-0.145 χ^2/NDF: 5968081.6/58

In: 603.056+/-0.080 χ^2/NDF:10590309.3/49

Out: 607.565+/-0.078 χ^2/NDF:12462977.5/56

All: 605.352+/-0.056 χ^2/NDF: 23054915.5/10



Right In: -13.440+/-22.797 χ^2/NDF: 22.4/26

Left Out: 42.017+/-14.181 χ^2/NDF:32.0/24

Right Out: 24.244+/-22.770 χ^2/NDF: 52.8/31

Left In: 60.376+/-14.714 χ^2/NDF:32.2/22

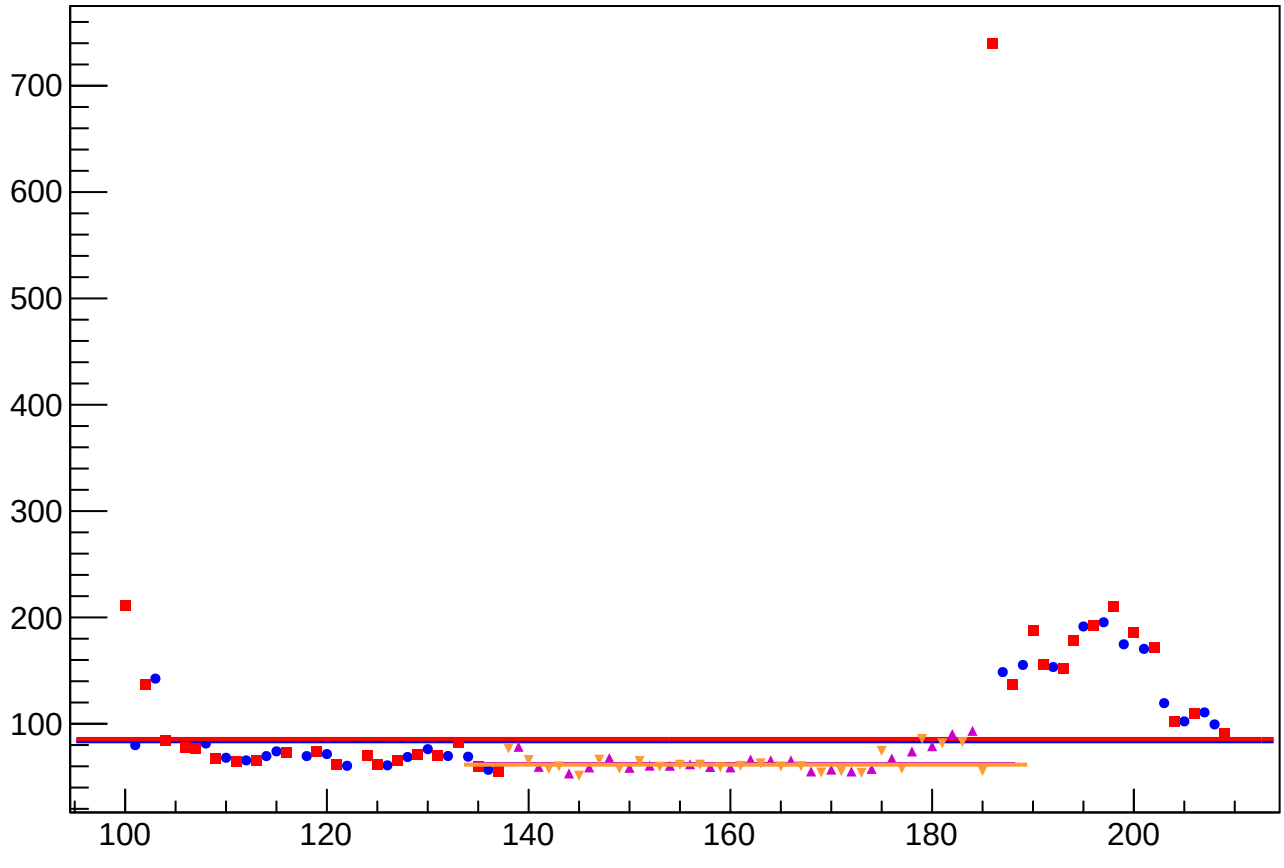
Left: 50.858+/-10.211 χ^2/NDF: 65.0/47

Right: 5.424+/-16.110 χ^2/NDF: 76.6/58

In: 38.669+/-12.362 χ^2/NDF:62.0/49

Out: 37.050+/-12.038 χ^2/NDF:85.3/56

All: 37.838+/-8.624 χ^2/NDF: 147.3/106



Right In: 83.510+/-0.016 χ^2/NDF: 4160900.7/26

Left Out: 61.544+/-0.010 χ^2/NDF:637834.9/24

Right Out: 85.736+/-0.016 χ^2/NDF: 5409950.7/31

Left In: 62.144+/-0.010 χ^2/NDF:596754.9/22

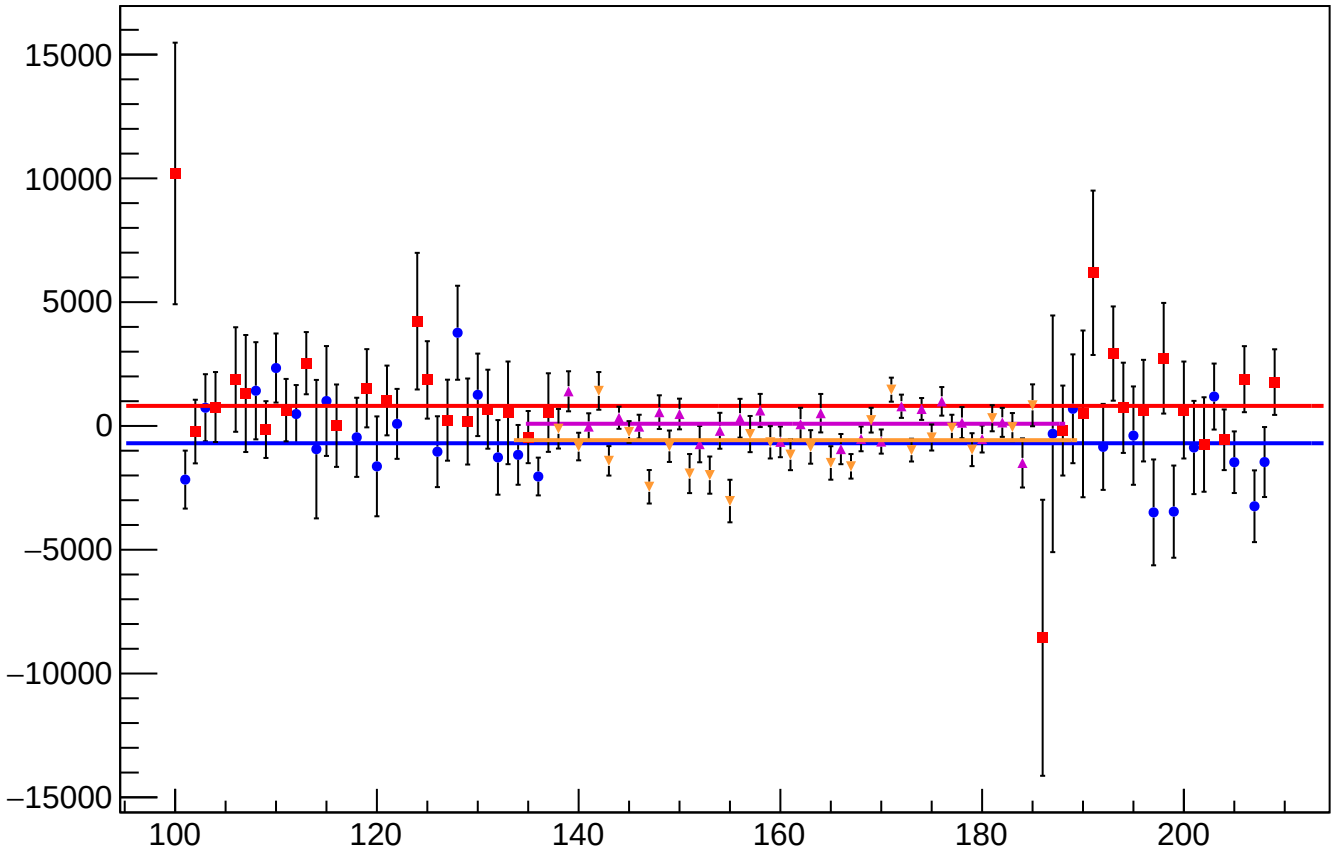
Left: 61.833+/-0.007 χ^2/NDF: 1236316.3/47

Right: 84.624+/-0.011 χ^2/NDF: 9580389.8/58

In: 68.428+/-0.009 χ^2/NDF:5997842.0/49

Out: 68.305+/-0.009 χ^2/NDF:7674329.3/56

All: 68.365+/-0.006 χ^2/NDF: 13672272.7/106



Right In: -698.746+/-288.371 χ^2/NDF: 31.2/26

Left Out: -574.811+/-119.736 χ^2/NDF:68.8/24

Right Out: 810.015+/-290.308 χ^2/NDF: 21.7/31

Left In: 88.333+/-122.492 χ^2/NDF:24.6/22

Left: -250.783+/-85.624 χ^2/NDF: 108.4/47

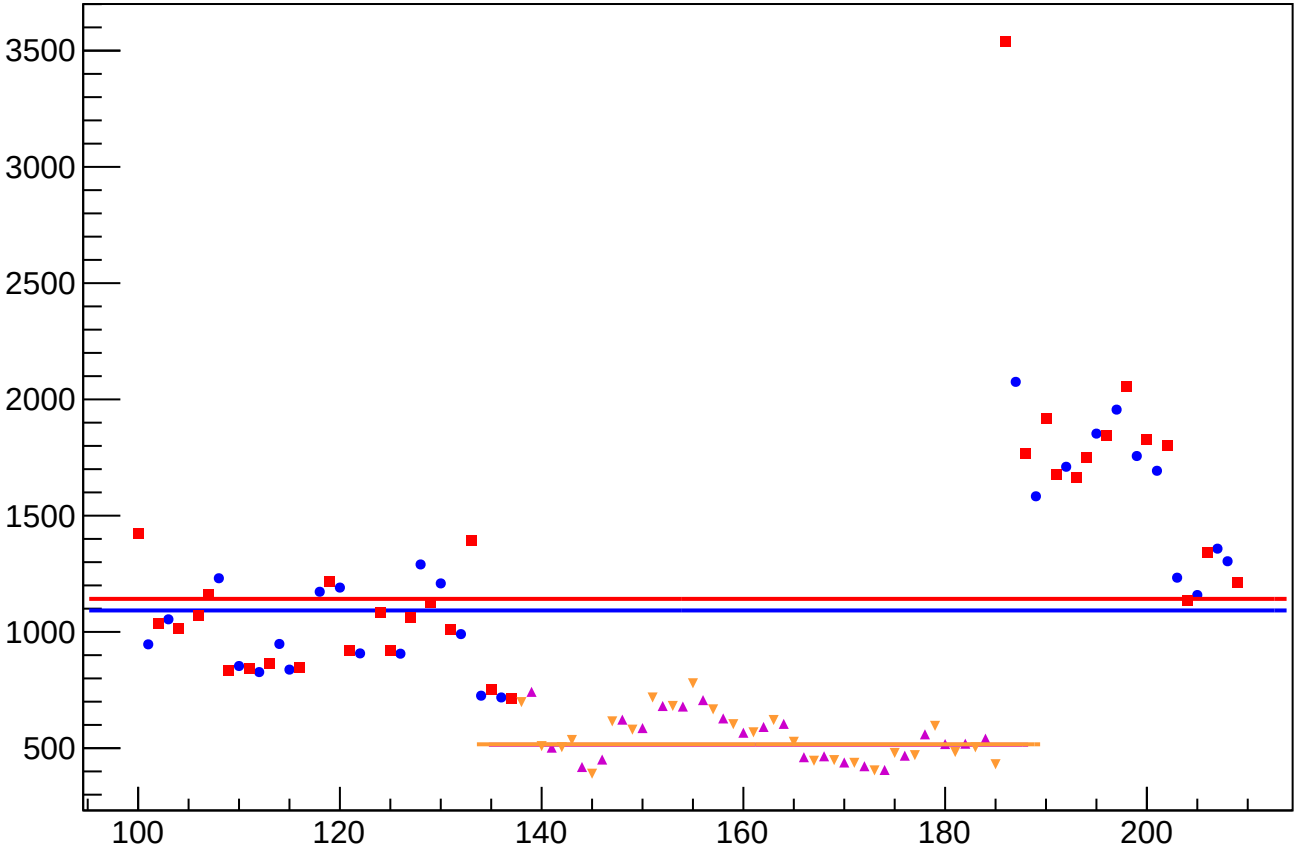
Right: 50.586+/-204.591 χ^2/NDF: 66.6/58

In: -31.974+/-112.743 χ^2/NDF:62.1/49

Out: -373.484+/-110.691 χ^2/NDF:110.0/56

All: -205.865+/-78.986 χ^2/NDF: 176.8/106

asym_sam_12345678_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 1092.298+/-0.204 χ^2/NDF: 2674491.7/26

Left Out: 516.635+/-0.085 χ^2/NDF:1265163.0/24

Right Out: 1142.094+/-0.205 χ^2/NDF: 3263970.4/31

Left In: 514.781+/-0.087 χ^2/NDF:1120434.8/22

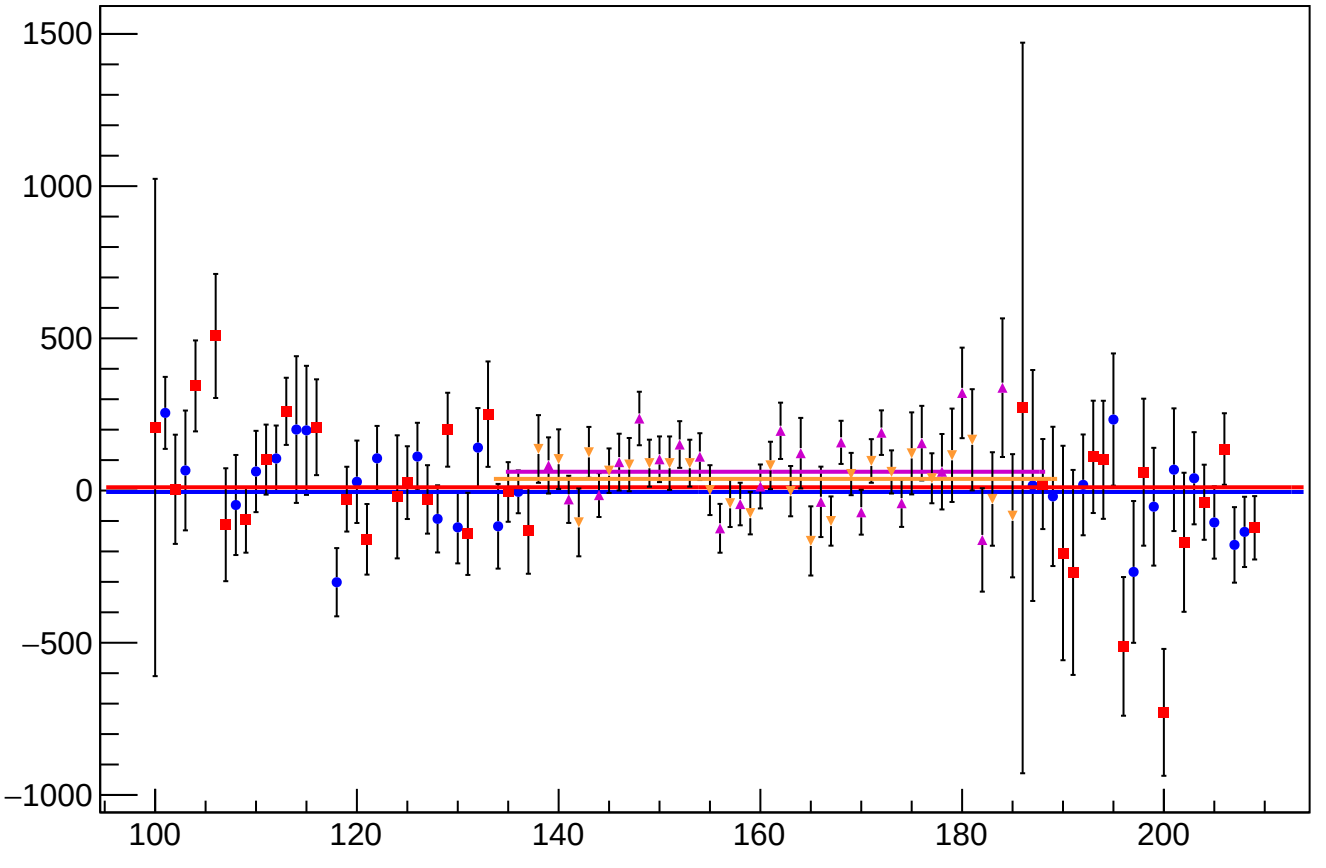
Left: 515.729+/-0.061 χ^2/NDF: 2385832.1/47

Right: 1117.030+/-0.145 χ^2/NDF: 5968081.6/58

In: 603.056+/-0.080 χ^2/NDF:10590309.3/49

Out: 607.565+/-0.078 χ^2/NDF:12462977.5/56

All: 605.352+/-0.056 χ^2/NDF: 23054915.5/10



Right In: -4.704+/-25.872 χ^2/NDF: 27.5/26

Left Out: 38.281+/-17.669 χ^2/NDF:18.8/24

Right Out: 10.771+/-25.916 χ^2/NDF: 51.9/31

Left In: 61.723+/-18.192 χ^2/NDF:36.7/22

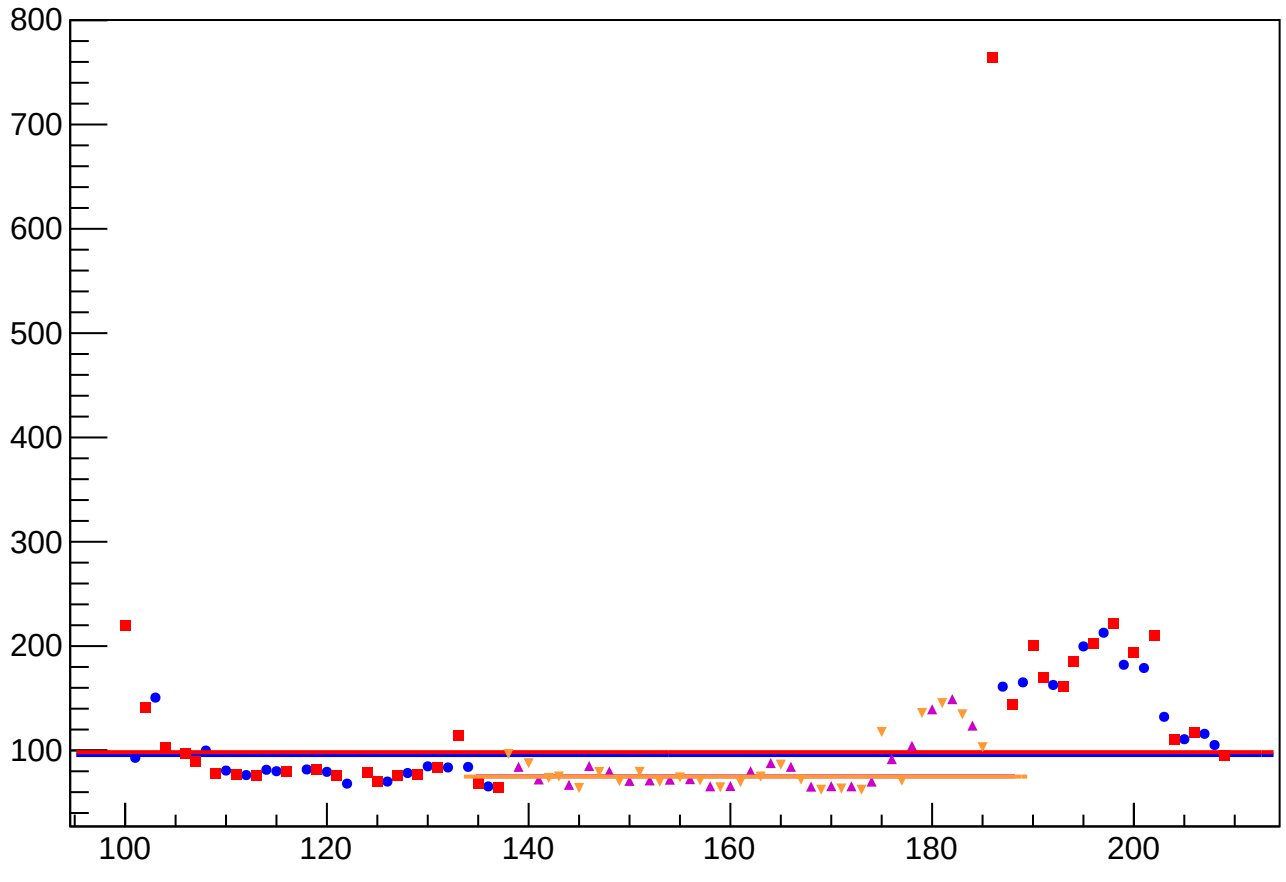
Left: 49.661+/-12.675 χ^2/NDF: 56.4/47

Right: 3.020+/-18.310 χ^2/NDF: 79.6/58

In: 39.747+/-14.881 χ^2/NDF:68.6/49

Out: 29.551+/-14.599 χ^2/NDF:71.5/56

All: 34.552+/-10.421 χ^2/NDF: 140.3/106



Right In: 95.557+/-0.018 χ^2/NDF: 3523506.0/26

Left Out: 74.903+/-0.012 χ^2/NDF:1661552.1/24

Right Out: 98.339+/-0.018 χ^2/NDF: 4764643.0/31

Left In: 75.156+/-0.013 χ^2/NDF:1312543.0/22

Left: 75.025+/-0.009 χ^2/NDF: 2974293.9/47

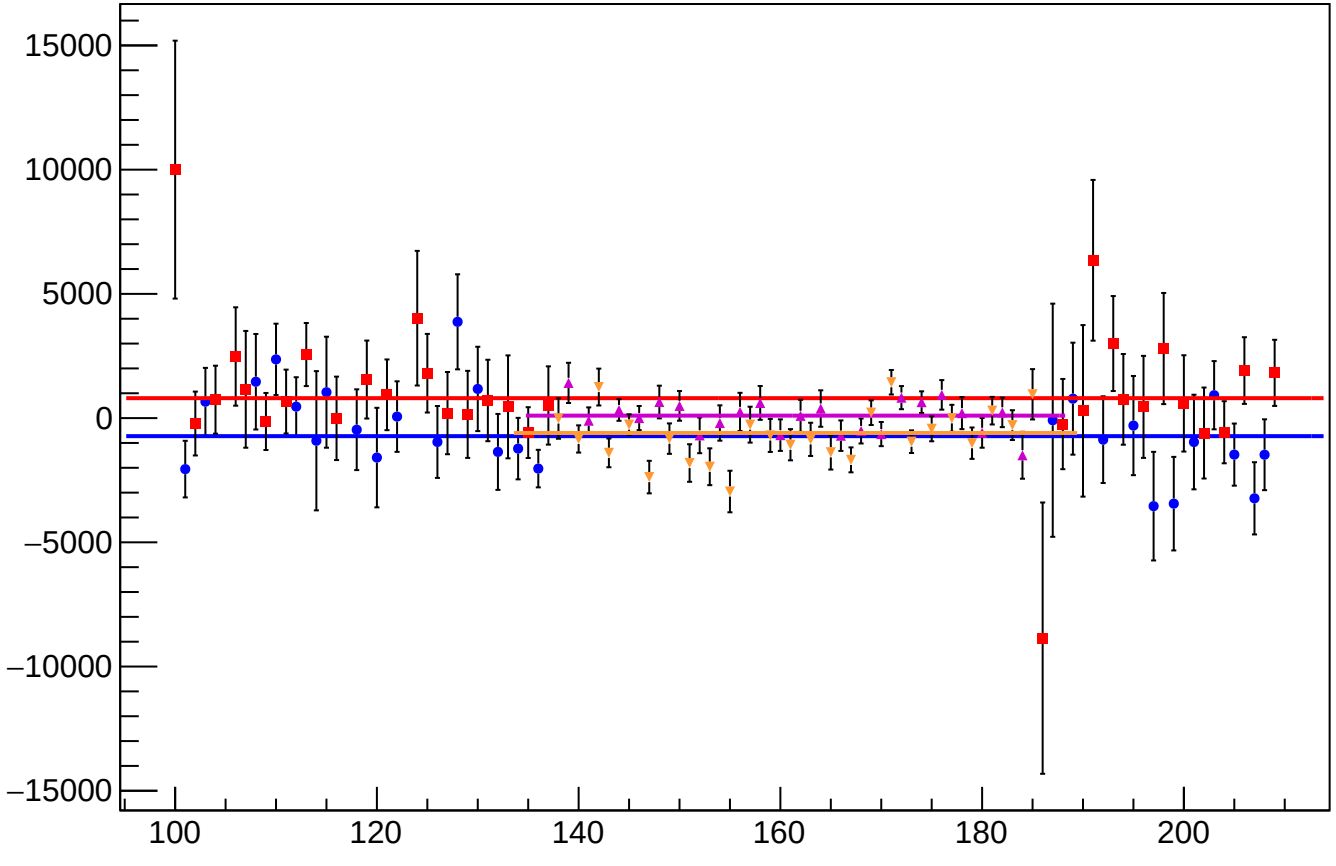
Right: 96.945+/-0.013 χ^2/NDF: 8299693.9/58

In: 81.905+/-0.011 χ^2/NDF:5668197.3/49

Out: 82.340+/-0.010 χ^2/NDF:7542700.7/56

All: 82.126+/-0.007 χ^2/NDF: 13211767.9/106

asym_sam_12345678_avg_dit_correction_mean vs Slug, Sign Corrected



Right In: -726.336+/-290.078 χ^2/NDF: 30.2/26

Left Out: -598.826+/-119.324 χ^2/NDF:65.0/24

Right Out: 802.281+/-289.942 χ^2/NDF: 23.2/31

Left In: 99.102+/-122.310 χ^2/NDF:23.7/22

Left: -258.487+/-85.411 χ^2/NDF: 105.4/47

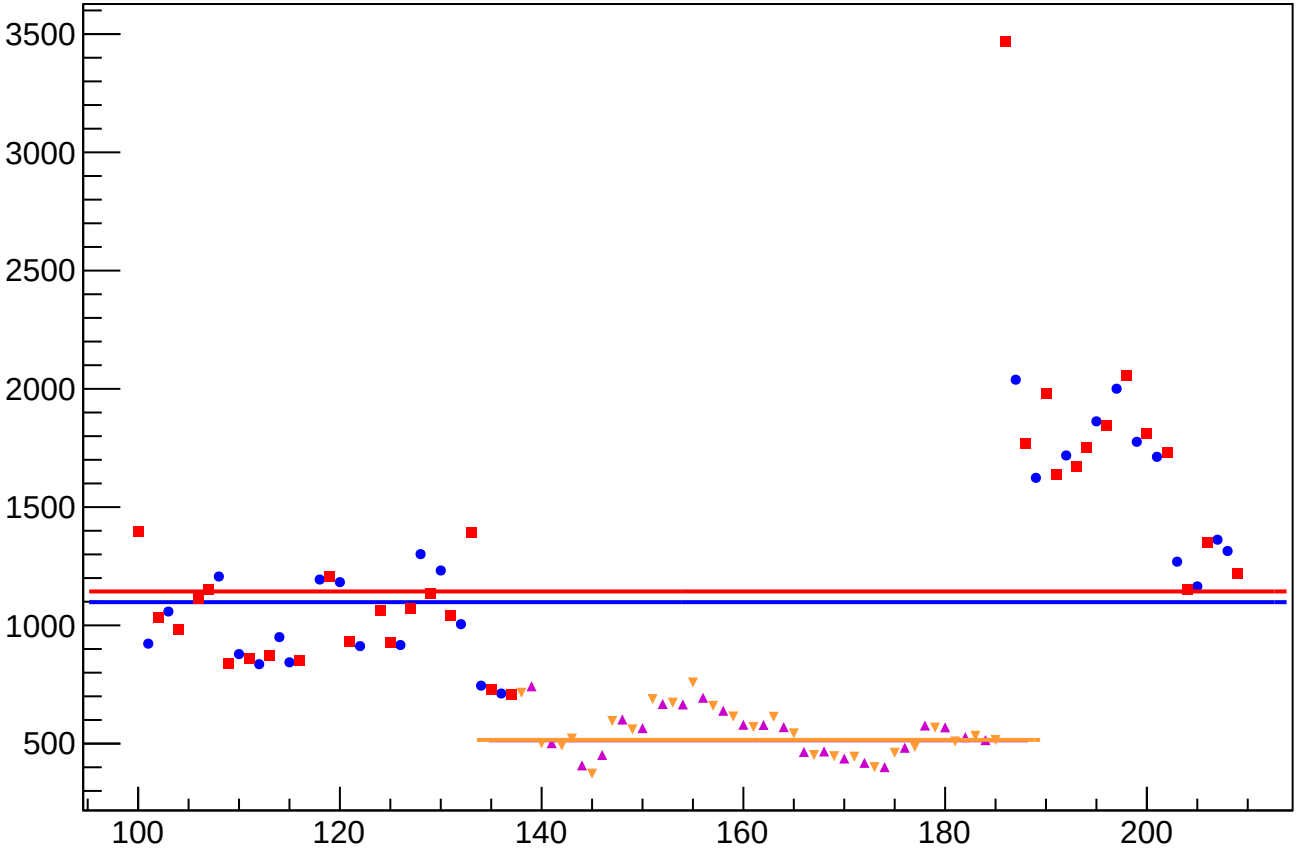
Right: 38.332+/-205.068 χ^2/NDF: 67.3/58

In: -25.497+/-112.702 χ^2/NDF:60.7/49

Out: -395.894+/-110.345 χ^2/NDF:108.2/56

All: -214.609+/-78.846 χ^2/NDF: 174.5/106

asym_sam_12345678_avg_dit_correction_rms vs Slug, Sign Corrected



Right In: 1098.109+/-0.205 χ^2/NDF: 2727840.1/26

Left Out: 515.762+/-0.084 χ^2/NDF:1232478.6/24

Right Out: 1143.352+/-0.205 χ^2/NDF: 3250422.0/31

Left In: 514.088+/-0.086 χ^2/NDF:1116884.3/22

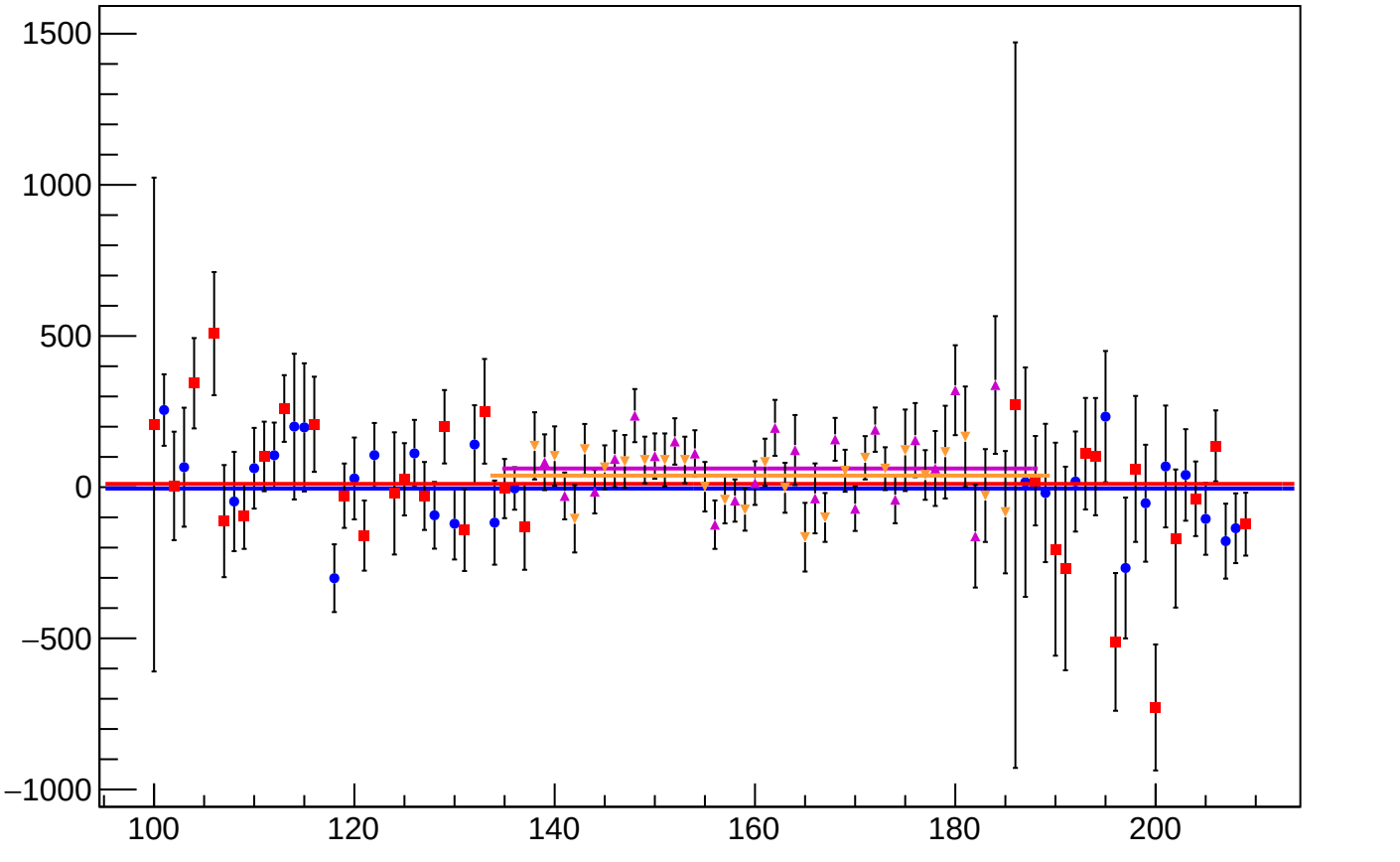
Left: 514.945+/-0.060 χ^2/NDF: 2349554.8/47

Right: 1120.741+/-0.145 χ^2/NDF: 6002599.3/58

In: 602.245+/-0.080 χ^2/NDF:10727928.3/49

Out: 606.660+/-0.078 χ^2/NDF:12496157.9/56

All: 604.499+/-0.056 χ^2/NDF: 23225653.2/10



Right In: -4.703+/-25.872 χ^2/NDF: 27.5/26

Left Out: 38.282+/-17.670 χ^2/NDF:18.8/24

Right Out: 10.769+/-25.916 χ^2/NDF: 51.9/31

Left In: 61.723+/-18.192 χ^2/NDF:36.7/22

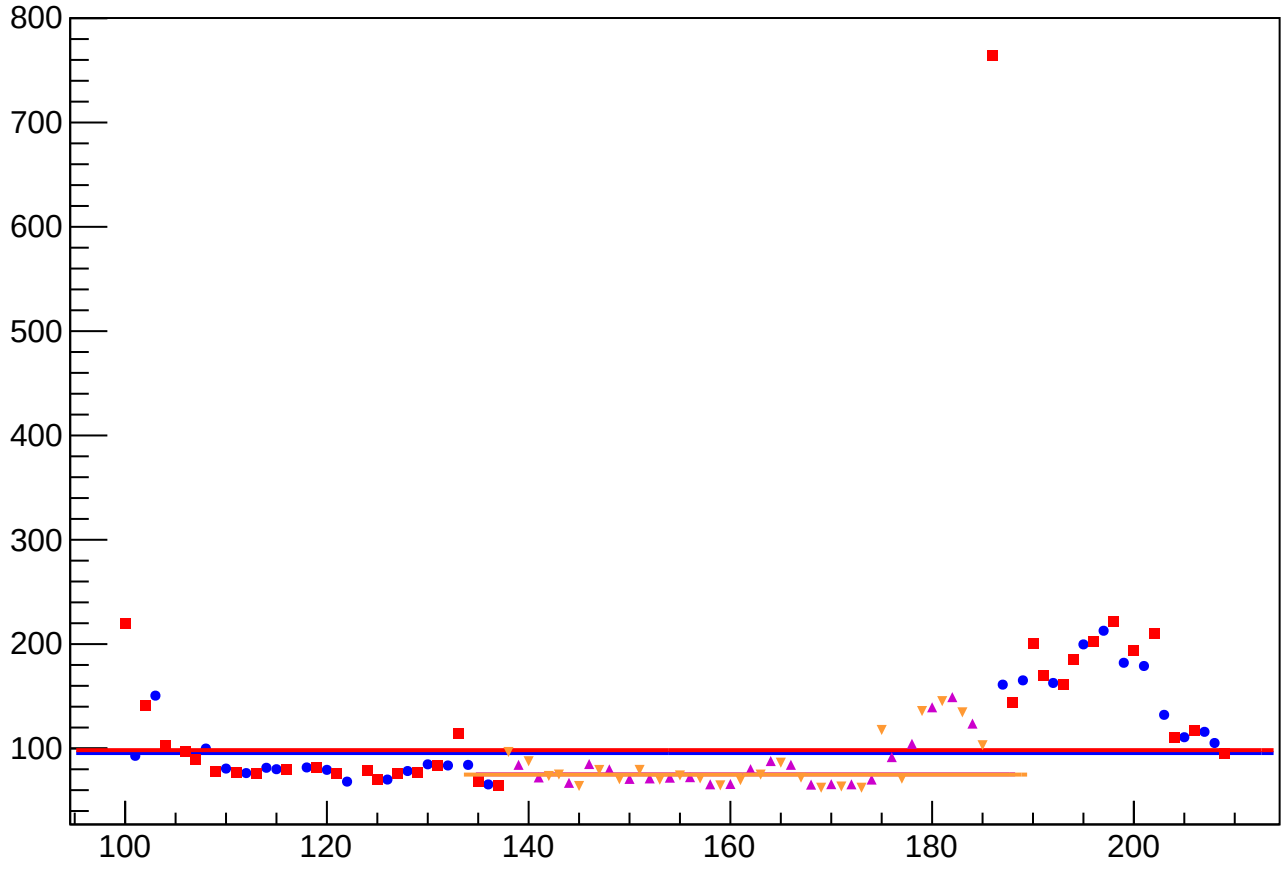
Left: 49.661+/-12.675 χ^2/NDF: 56.4/47

Right: 3.020+/-18.310 χ^2/NDF: 79.6/58

In: 39.747+/-14.881 χ^2/NDF:68.6/49

Out: 29.551+/-14.599 χ^2/NDF:71.5/56

All: 34.551+/-10.421 χ^2/NDF: 140.3/106



Right In: 95.556+/-0.018 χ^2/NDF: 3523518.0/26

Left Out: 74.903+/-0.012 χ^2/NDF:1661550.3/24

Right Out: 98.339+/-0.018 χ^2/NDF: 4764672.0/31

Left In: 75.156+/-0.013 χ^2/NDF:1312527.7/22

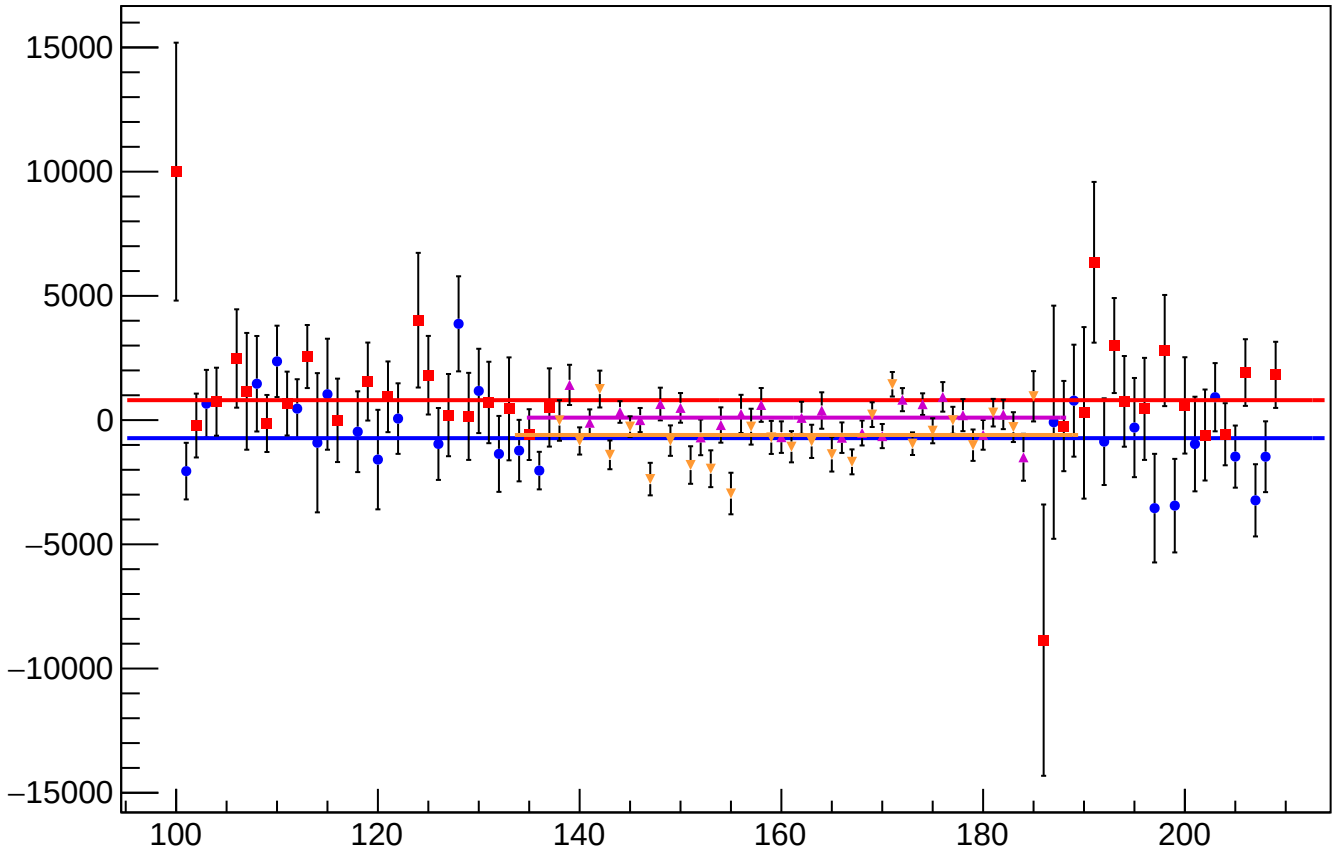
Left: 75.026+/-0.009 χ^2/NDF: 2974276.9/47

Right: 96.945+/-0.013 χ^2/NDF: 8299735.5/58

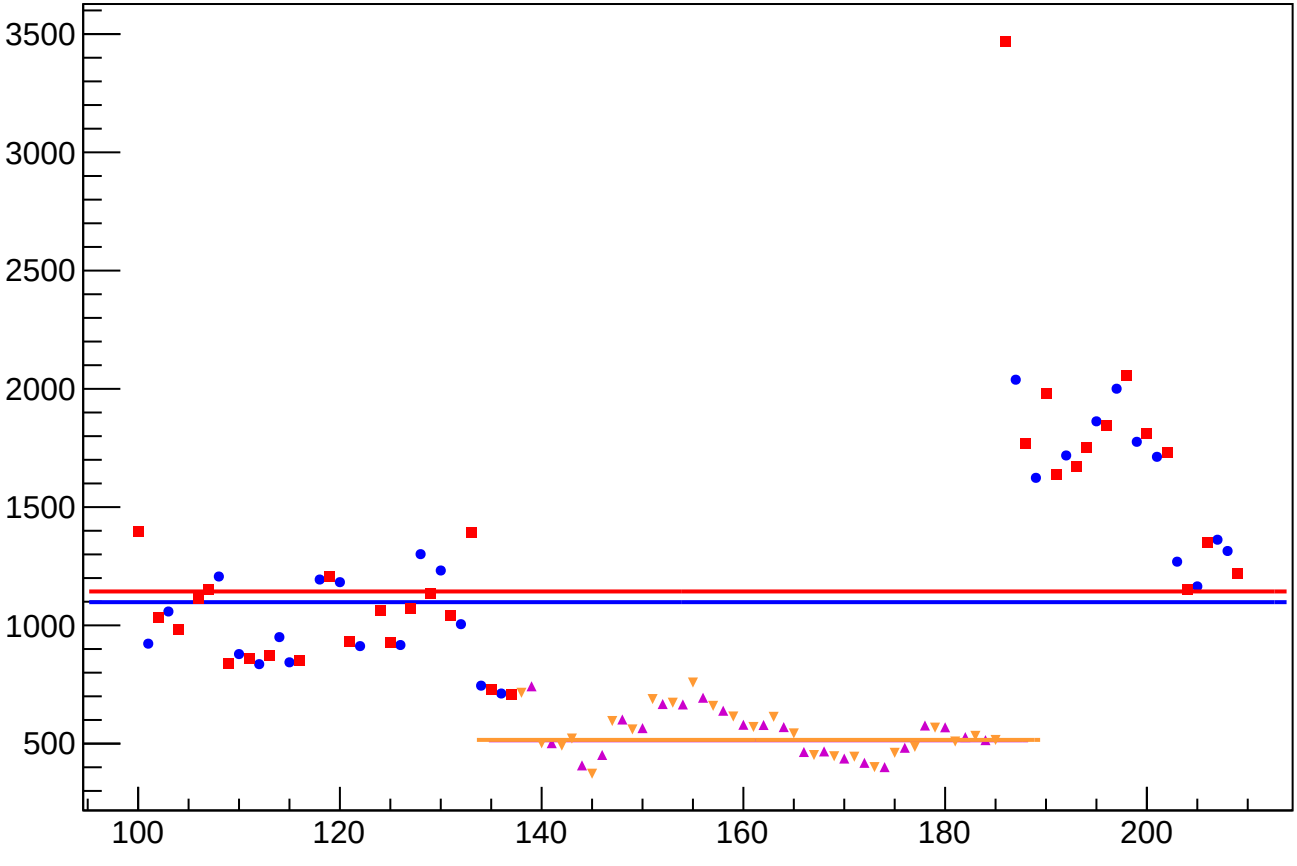
In: 81.905+/-0.011 χ^2/NDF:5668154.7/49

Out: 82.340+/-0.010 χ^2/NDF:7542689.6/56

All: 82.127+/-0.007 χ^2/NDF: 13211714.2/106


asym_sam_12345678_avg_eigen_dit_correction_mean vs Slug, Sign Corrected
15000
10000
5000
0
−5000
−10000
−15000
100
120
140
160
180
200
Right In: -726.333+/-290.078 χ²/NDF: 30.2/26
Left Out: -598.825+/-119.324 χ²/NDF:65.0/24
Right Out: 802.279+/-289.941 χ²/NDF: 23.2/31
Left In: 99.101+/-122.310 χ²/NDF:23.7/22
Left: -258.487+/-85.411 χ²/NDF: 105.4/47
Right: 38.333+/-205.068 χ²/NDF: 67.3/58
In: -25.497+/-112.701 χ²/NDF:60.7/49
Out: -395.893+/-110.344 χ²/NDF:108.2/56
All: -214.609+/-78.845 χ²/NDF: 174.5/106

asym_sam_12345678_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 1098.107+/-0.205 χ^2/NDF: 2727848.7/26

Left Out: 515.761+/-0.084 χ^2/NDF:1232481.1/24

Right Out: 1143.349+/-0.205 χ^2/NDF: 3250432.6/31

Left In: 514.087+/-0.086 χ^2/NDF:1116882.7/22

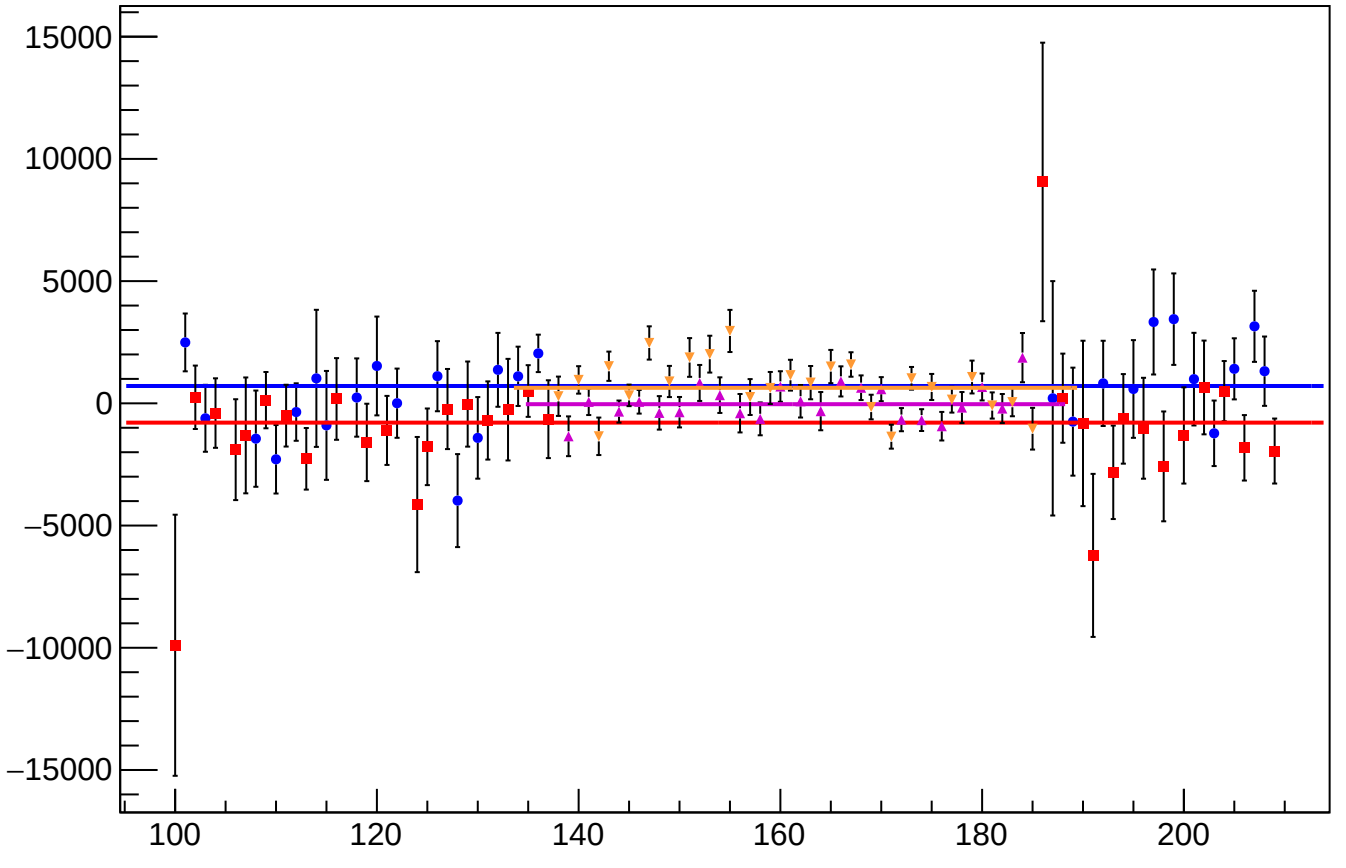
Left: 514.944+/-0.060 χ^2/NDF: 2349555.7/47

Right: 1120.739+/-0.145 χ^2/NDF: 6002618.4/58

In: 602.244+/-0.080 χ^2/NDF:10727931.1/49

Out: 606.659+/-0.078 χ^2/NDF:12496167.2/56

All: 604.498+/-0.056 χ^2/NDF: 23225665.2/10



Right In: 709.669+/-289.627 χ^2/NDF: 31.4/26

Left Out: 634.783+/-120.717 χ^2/NDF:64.5/24

Right Out: -789.397+/-291.298 χ^2/NDF: 21.2/31

Left In: -34.808+/-123.517 χ^2/NDF:25.1/22

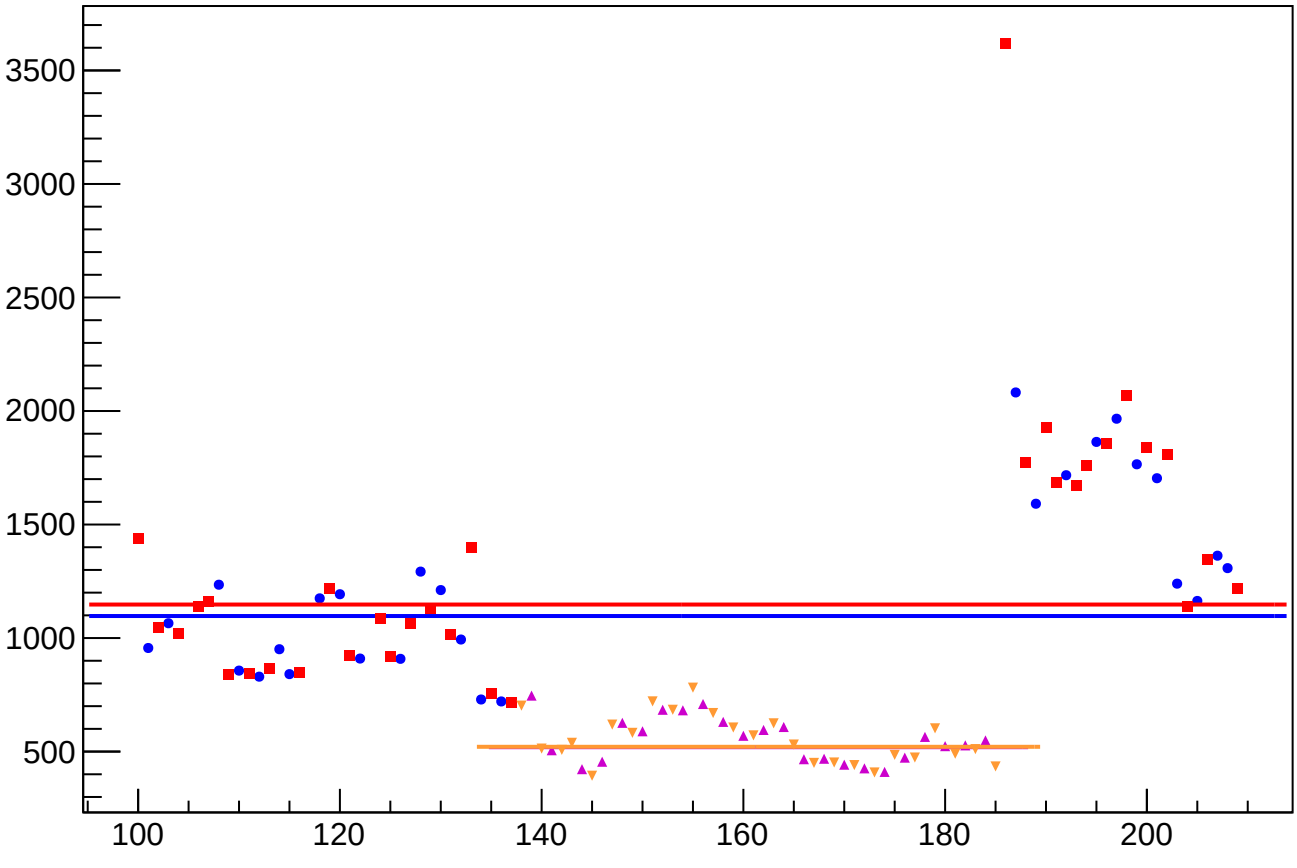
Left: 307.664+/-86.333 χ^2/NDF: 104.6/47

Right: -35.552+/-205.386 χ^2/NDF: 66.0/58

In: 79.758+/-113.617 χ^2/NDF:62.1/49

Out: 426.048+/-111.520 χ^2/NDF:106.1/56

All: 256.128+/-79.587 χ^2/NDF: 173.0/106



Right In: 1097.002+/-0.205 χ^2/NDF: 2677368.9/26

Left Out: 521.025+/-0.085 χ^2/NDF:1243003.9/24

Right Out: 1147.588+/-0.206 χ^2/NDF: 3276616.9/31

Left In: 519.239+/-0.087 χ^2/NDF:1100553.3/22

Left: 520.153+/-0.061 χ^2/NDF: 2343771.0/47

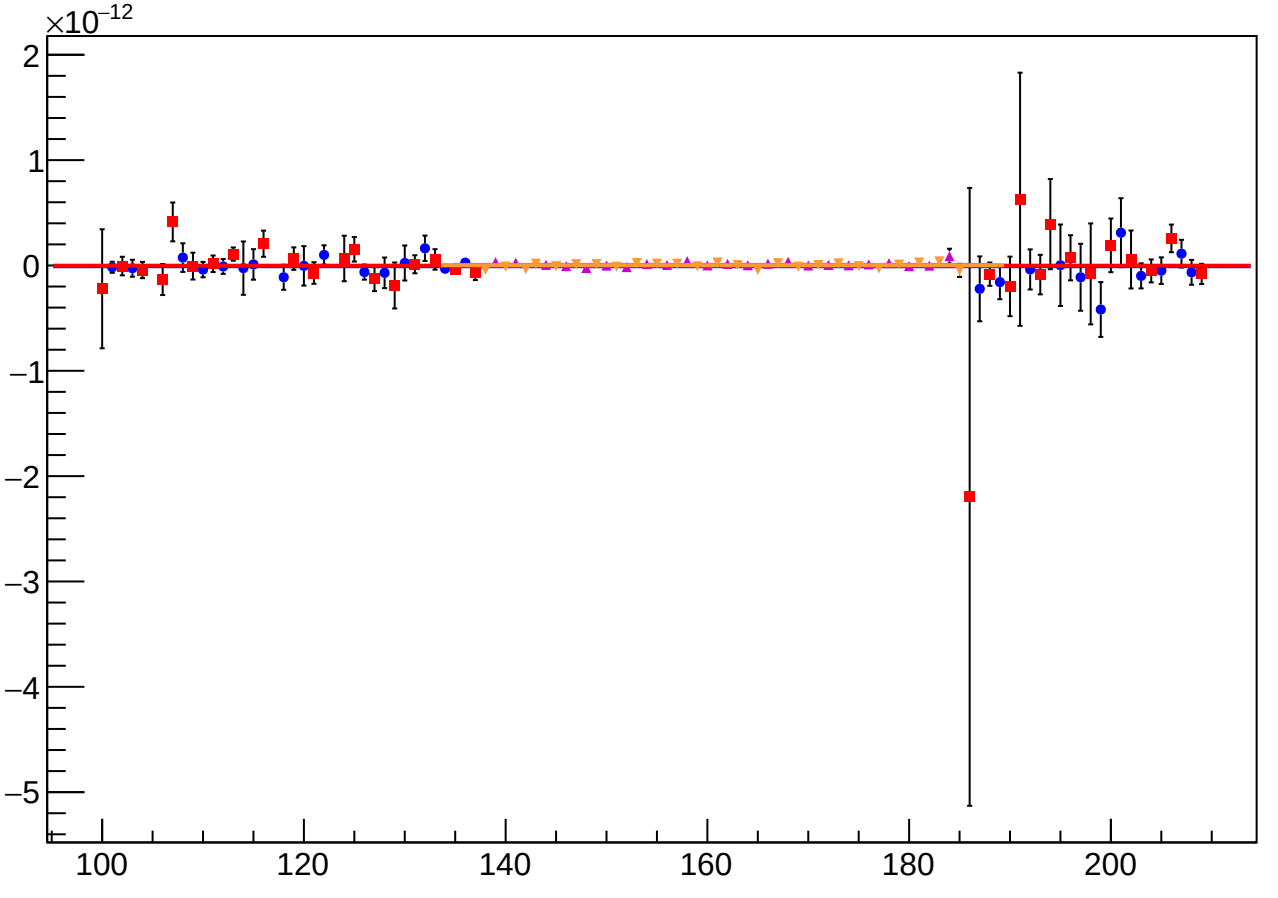
Right: 1122.150+/-0.145 χ^2/NDF: 5984316.8/58

In: 608.150+/-0.080 χ^2/NDF:10511999.9/49

Out: 612.857+/-0.079 χ^2/NDF:12416483.4/56

All: 610.548+/-0.056 χ^2/NDF: 22930231.7/10

asym_sam_12345678_avg_reg_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.000 χ^2/NDF: 13.9/26

Left Out: 0.000+/-0.000 χ^2/NDF:22.4/24

Right Out: -0.000+/-0.000 χ^2/NDF: 27.9/31

Left In: 0.000+/-0.000 χ^2/NDF:10.8/22

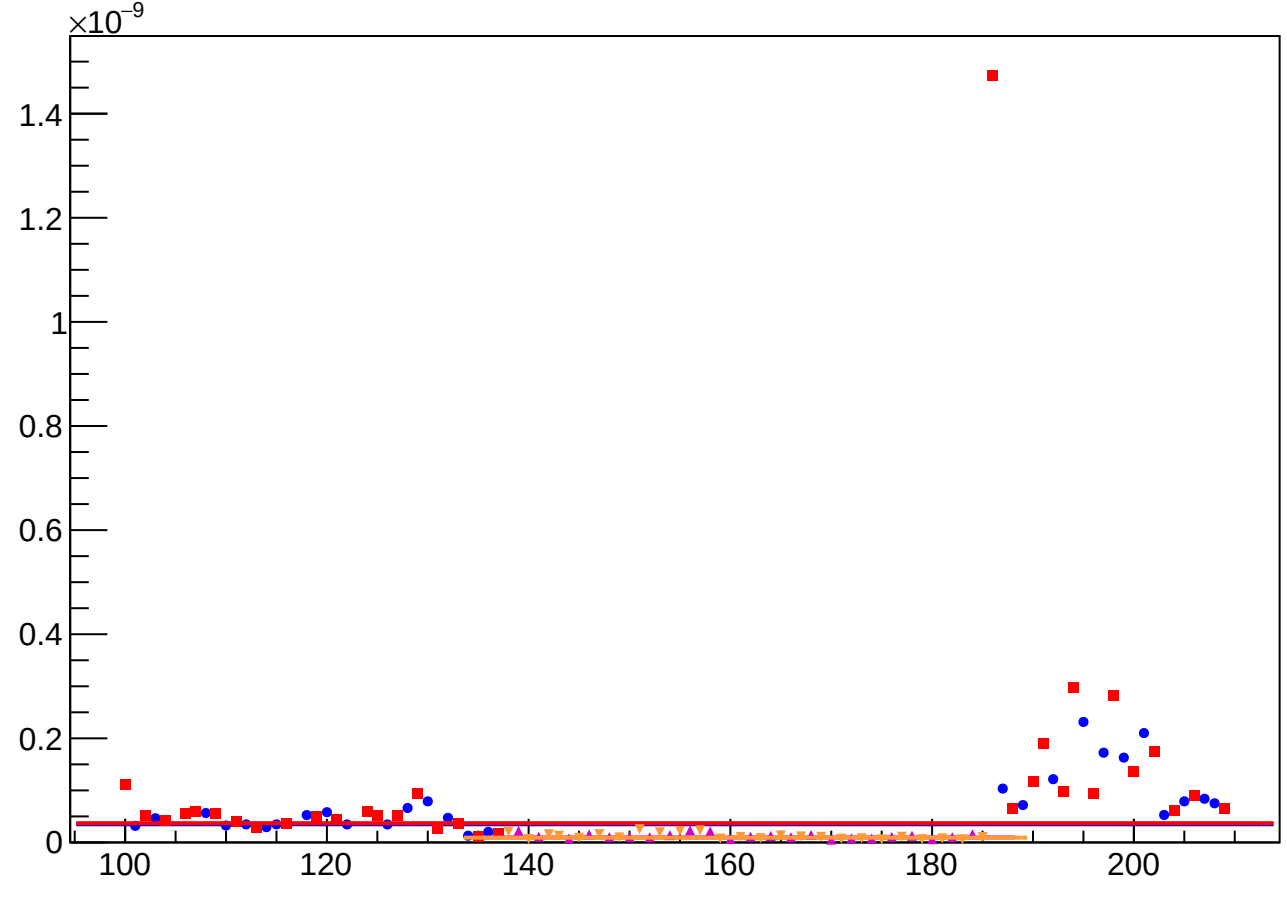
Left: 0.000+/-0.000 χ^2/NDF: 33.4/47

Right: -0.000+/-0.000 χ^2/NDF: 41.8/58

In: 0.000+/-0.000 χ^2/NDF:25.1/49

Out: 0.000+/-0.000 χ^2/NDF:50.3/56

All: 0.000+/-0.000 χ^2/NDF: 75.6/106



Right In: 0.000+/-0.000 χ^2/NDF: 4780185.9/26

Left Out: 0.000+/-0.000 χ^2/NDF:2137290.7/24

Right Out: 0.000+/-0.000 χ^2/NDF: 5799236.7/31

Left In: 0.000+/-0.000 χ^2/NDF:1614718.4/22

Left: 0.000+/-0.000 χ^2/NDF: 3761199.7/47

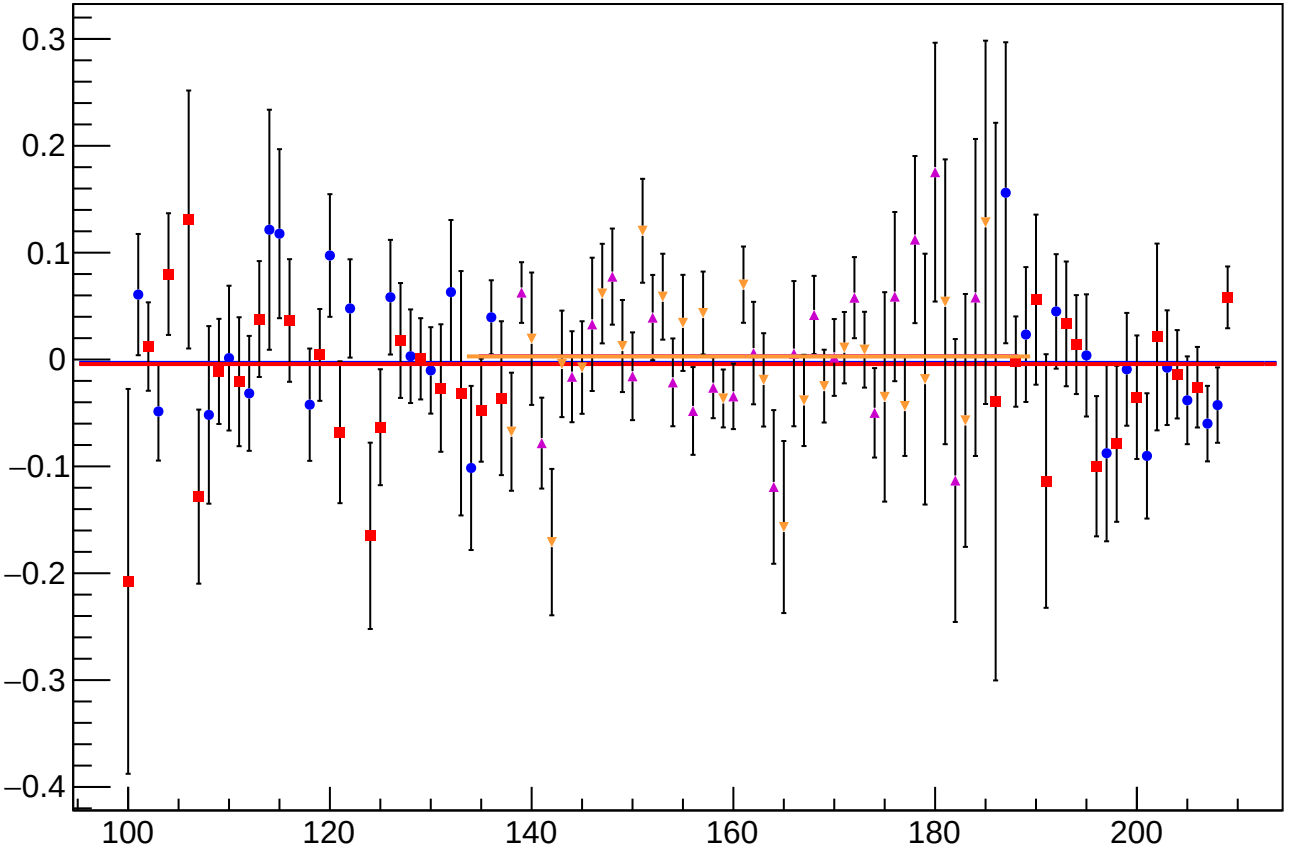
Right: 0.000+/-0.000 χ^2/NDF: 10594119.7/58

In: 0.000+/-0.000 χ^2/NDF:10712952.6/49

Out: 0.000+/-0.000 χ^2/NDF:12560468.4/56

All: 0.000+/-0.000 χ^2/NDF: 23294212.8/106

asym_sam_12345678_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.003+/-0.010 χ^2/NDF: 26.9/26

Left Out: 0.003+/-0.009 χ^2/NDF:32.9/24

Right Out: -0.004+/-0.010 χ^2/NDF: 25.9/31

Left In: 0.003+/-0.009 χ^2/NDF:29.8/22

Left: 0.003+/-0.007 χ^2/NDF: 62.7/47

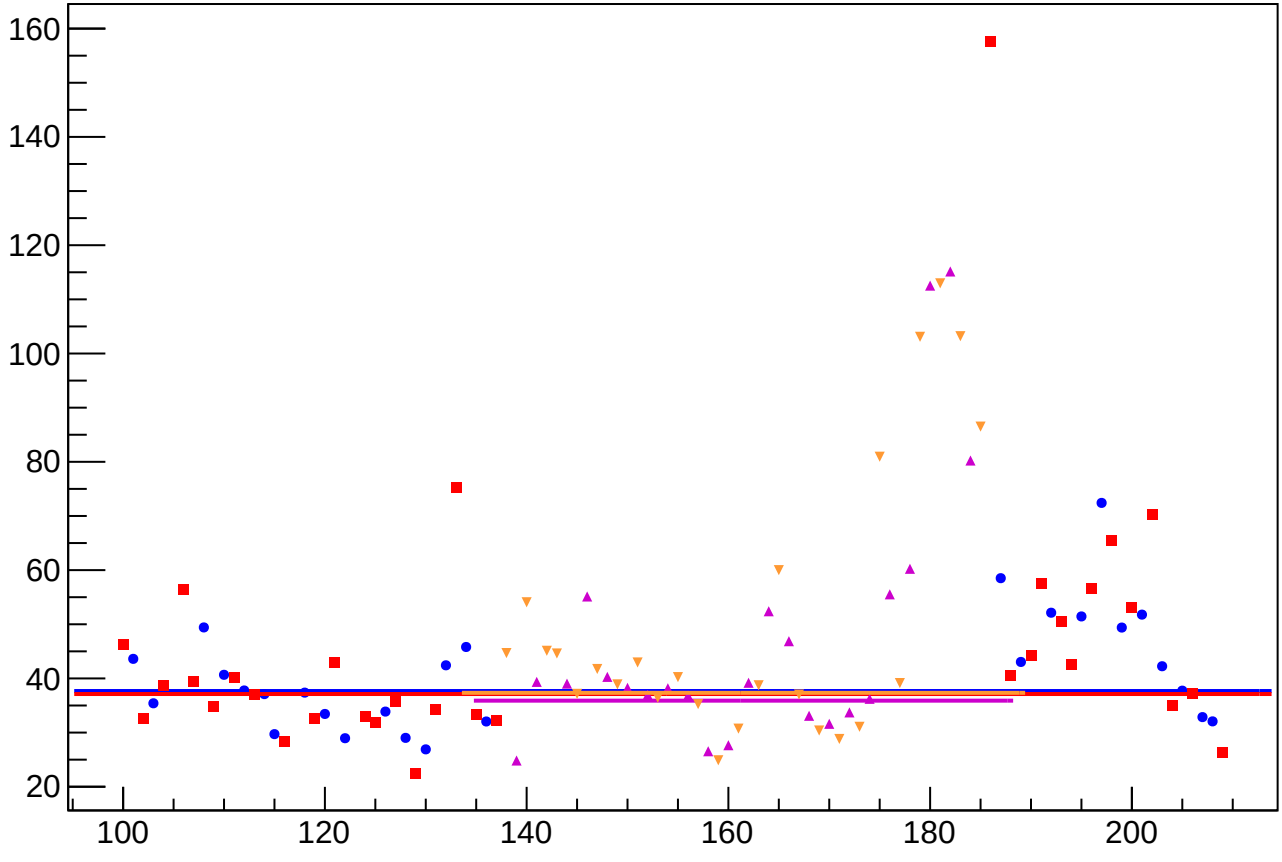
Right: -0.004+/-0.007 χ^2/NDF: 52.8/58

In: 0.000+/-0.007 χ^2/NDF:56.9/49

Out: -0.001+/-0.007 χ^2/NDF:59.1/56

All: -0.000+/-0.005 χ^2/NDF: 116.0/106

asym_sam_12345678_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 37.674+/-0.007 χ^2/NDF: 1480668.8/26

Left Out: 37.344+/-0.007 χ^2/NDF:3696647.0/24

Right Out: 37.121+/-0.007 χ^2/NDF: 2601364.0/31

Left In: 35.896+/-0.006 χ^2/NDF:3138291.6/22

Left: 36.612+/-0.005 χ^2/NDF: 6859658.6/47

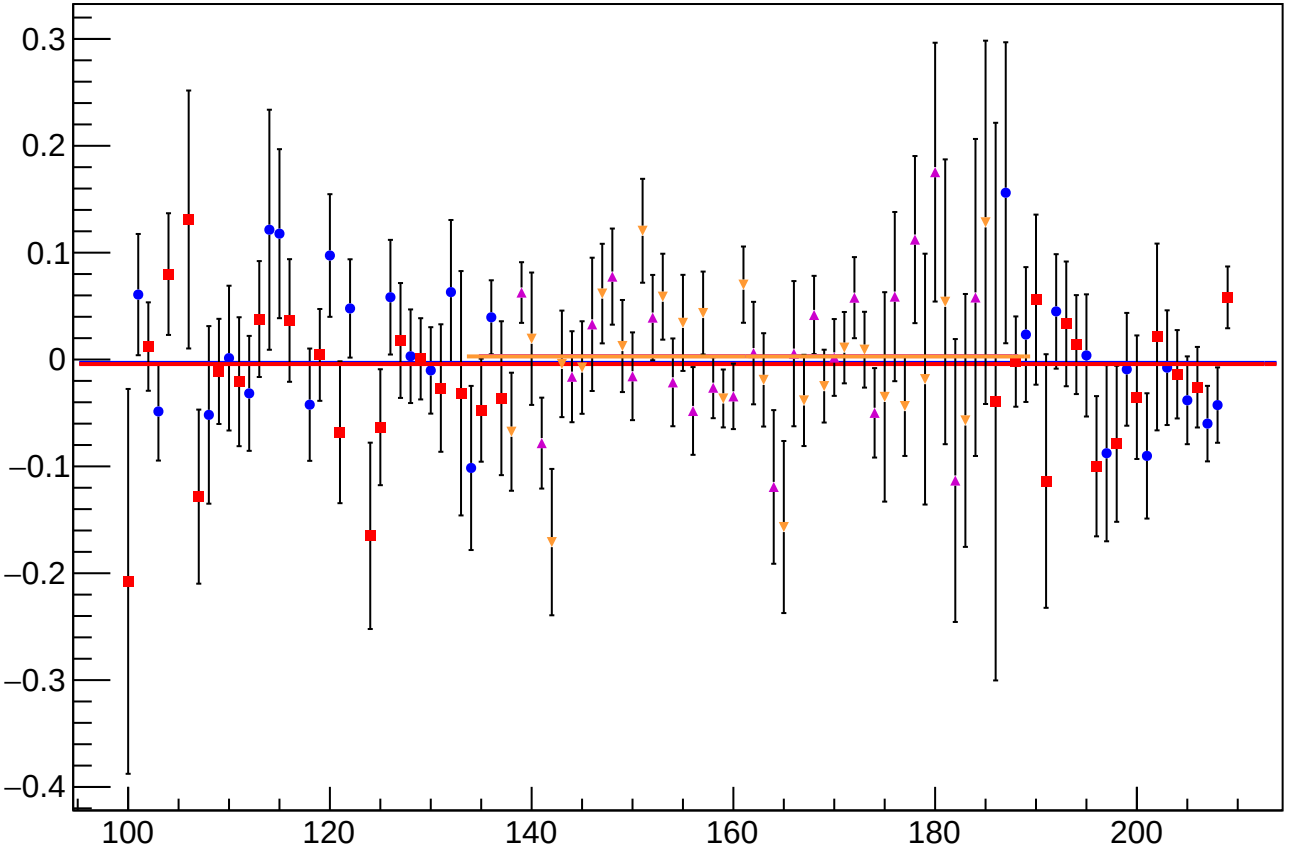
Right: 37.387+/-0.005 χ^2/NDF: 4085165.5/58

In: 36.701+/-0.005 χ^2/NDF:4653089.7/49

Out: 37.237+/-0.005 χ^2/NDF:6298566.0/56

All: 36.972+/-0.003 χ^2/NDF: 10957991.7/106

asym_sam_12345678_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.003+/-0.010 χ^2/NDF: 26.9/26

Left Out: 0.003+/-0.009 χ^2/NDF:32.9/24

Right Out: -0.004+/-0.010 χ^2/NDF: 25.9/31

Left In: 0.003+/-0.009 χ^2/NDF:29.8/22

Left: 0.003+/-0.007 χ^2/NDF: 62.7/47

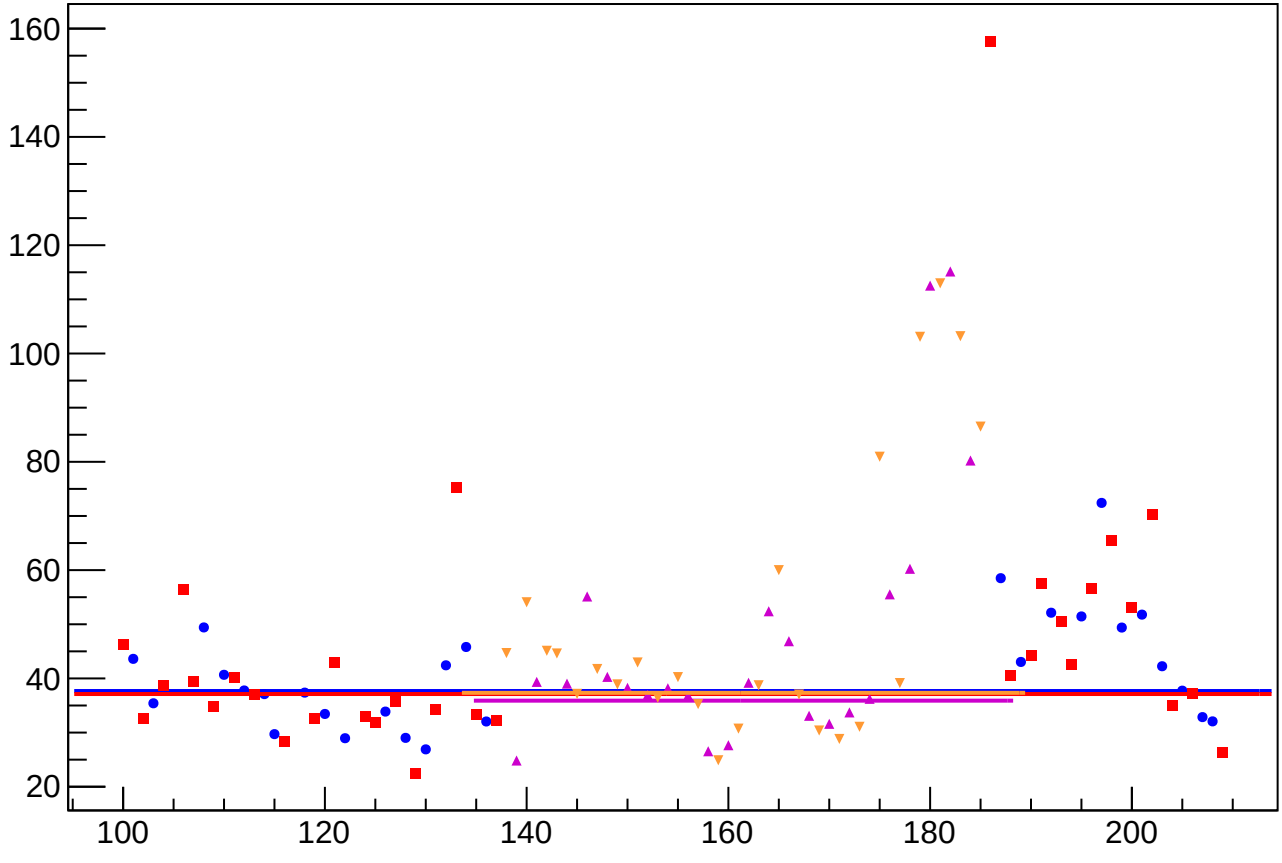
Right: -0.004+/-0.007 χ^2/NDF: 52.8/58

In: 0.000+/-0.007 χ^2/NDF:56.9/49

Out: -0.001+/-0.007 χ^2/NDF:59.1/56

All: -0.000+/-0.005 χ^2/NDF: 116.0/106

asym_sam_12345678_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 37.674+/-0.007 χ^2/NDF: 1480668.8/26

Left Out: 37.344+/-0.007 χ^2/NDF:3696647.0/24

Right Out: 37.121+/-0.007 χ^2/NDF: 2601364.0/31

Left In: 35.896+/-0.006 χ^2/NDF:3138291.6/22

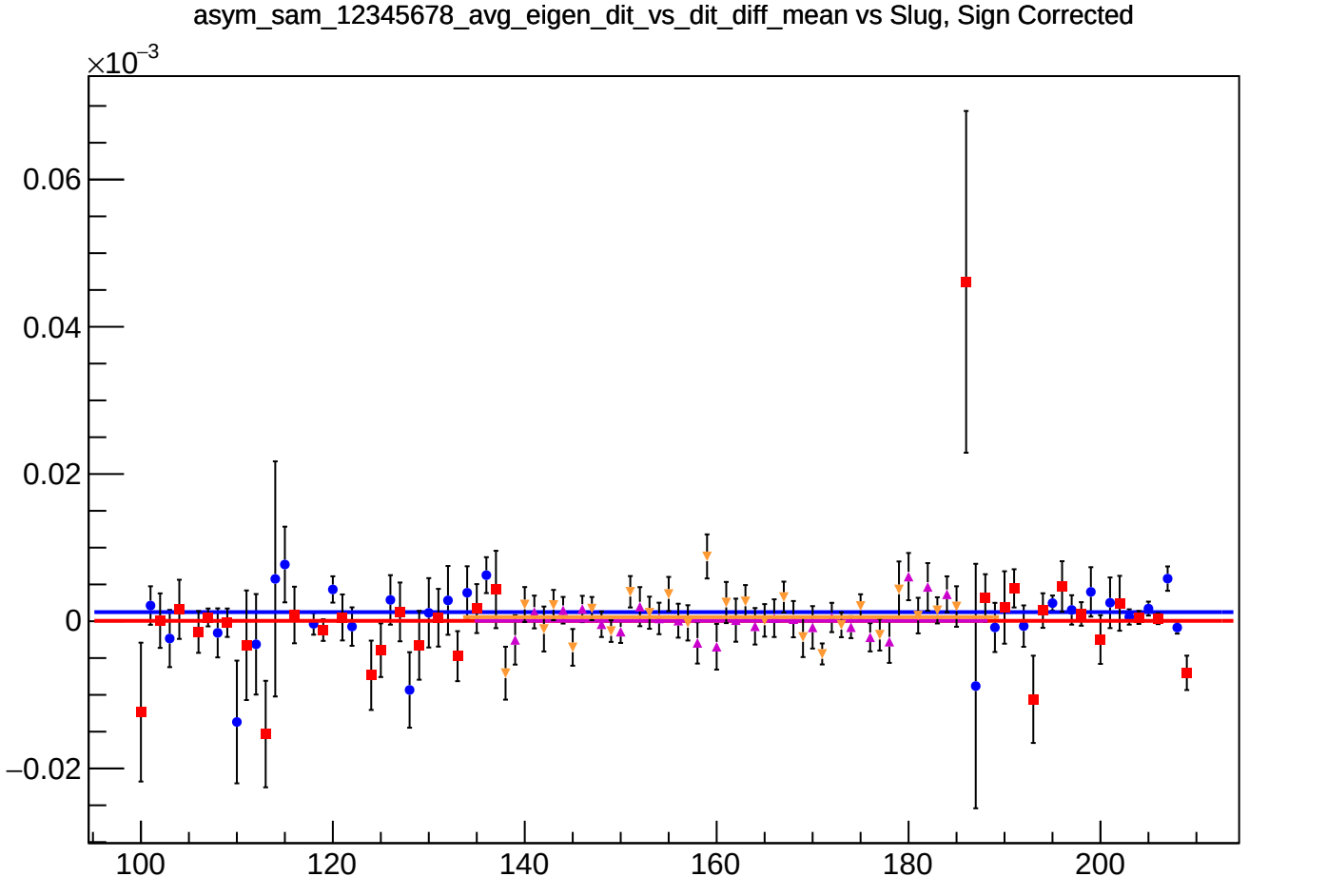
Left: 36.612+/-0.005 χ^2/NDF: 6859658.6/47

Right: 37.387+/-0.005 χ^2/NDF: 4085165.5/58

In: 36.701+/-0.005 χ^2/NDF:4653089.7/49

Out: 37.237+/-0.005 χ^2/NDF:6298566.0/56

All: 36.972+/-0.003 χ^2/NDF: 10957991.7/106



Right In: 0.000+/-0.000 χ^2/NDF: 39.1/26

Left Out: 0.000+/-0.000 χ^2/NDF:43.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 39.3/31

Left In: 0.000+/-0.000 χ^2/NDF:16.9/22

Left: 0.000+/-0.000 χ^2/NDF: 61.1/47

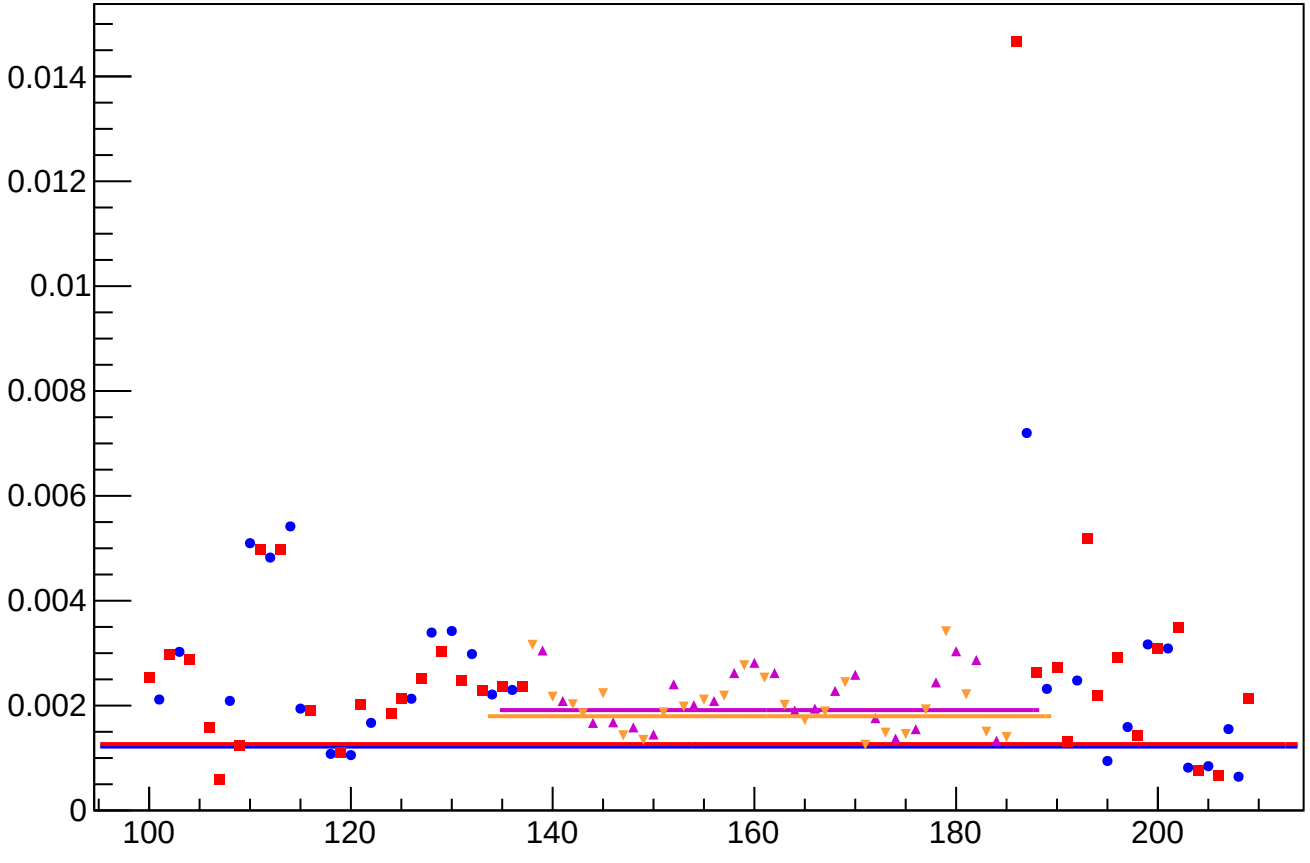
Right: 0.000+/-0.000 χ^2/NDF: 83.3/58

In: 0.000+/-0.000 χ^2/NDF:59.9/49

Out: 0.000+/-0.000 χ^2/NDF:83.6/56

All: 0.000+/-0.000 χ^2/NDF: 145.0/106

asym_sam_12345678_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.001+/-0.000 χ^2/NDF: 7855521.0/26

Left Out: 0.002+/-0.000 χ^2/NDF:2279340.7/24

Right Out: 0.001+/-0.000 χ^2/NDF: 10395705.1/31

Left In: 0.002+/-0.000 χ^2/NDF:2171715.8/22

Left: 0.002+/-0.000 χ^2/NDF: 4520286.4/47

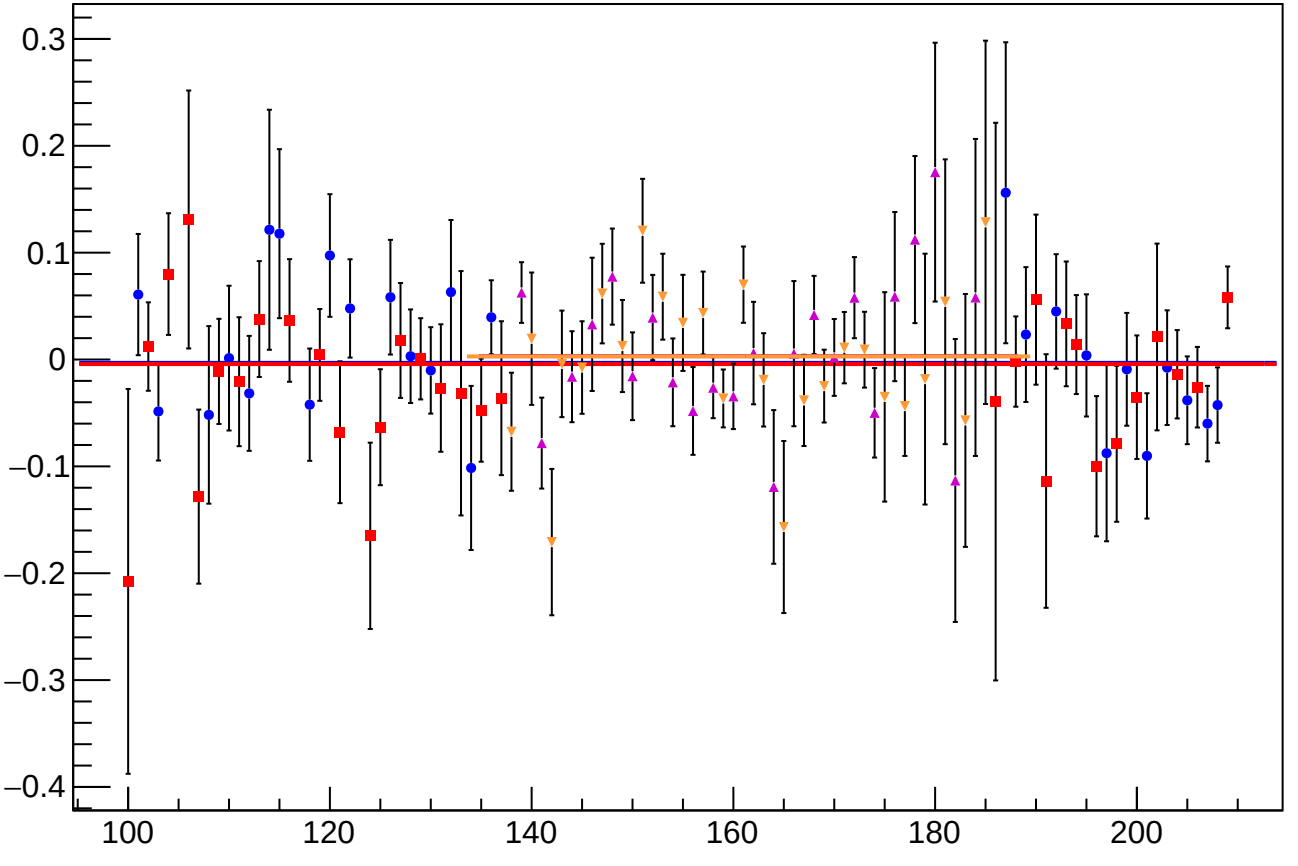
Right: 0.001+/-0.000 χ^2/NDF: 18267150.3/58

In: 0.001+/-0.000 χ^2/NDF:12752470.2/49

Out: 0.002+/-0.000 χ^2/NDF:14406120.9/56

All: 0.001+/-0.000 χ^2/NDF: 27160886.7/106

asym_sam_12345678_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.003+/-0.010 χ^2/NDF: 26.9/26

Left Out: 0.003+/-0.009 χ^2/NDF:32.9/24

Right Out: -0.004+/-0.010 χ^2/NDF: 25.9/31

Left In: 0.003+/-0.009 χ^2/NDF:29.8/22

Left: 0.003+/-0.007 χ^2/NDF: 62.7/47

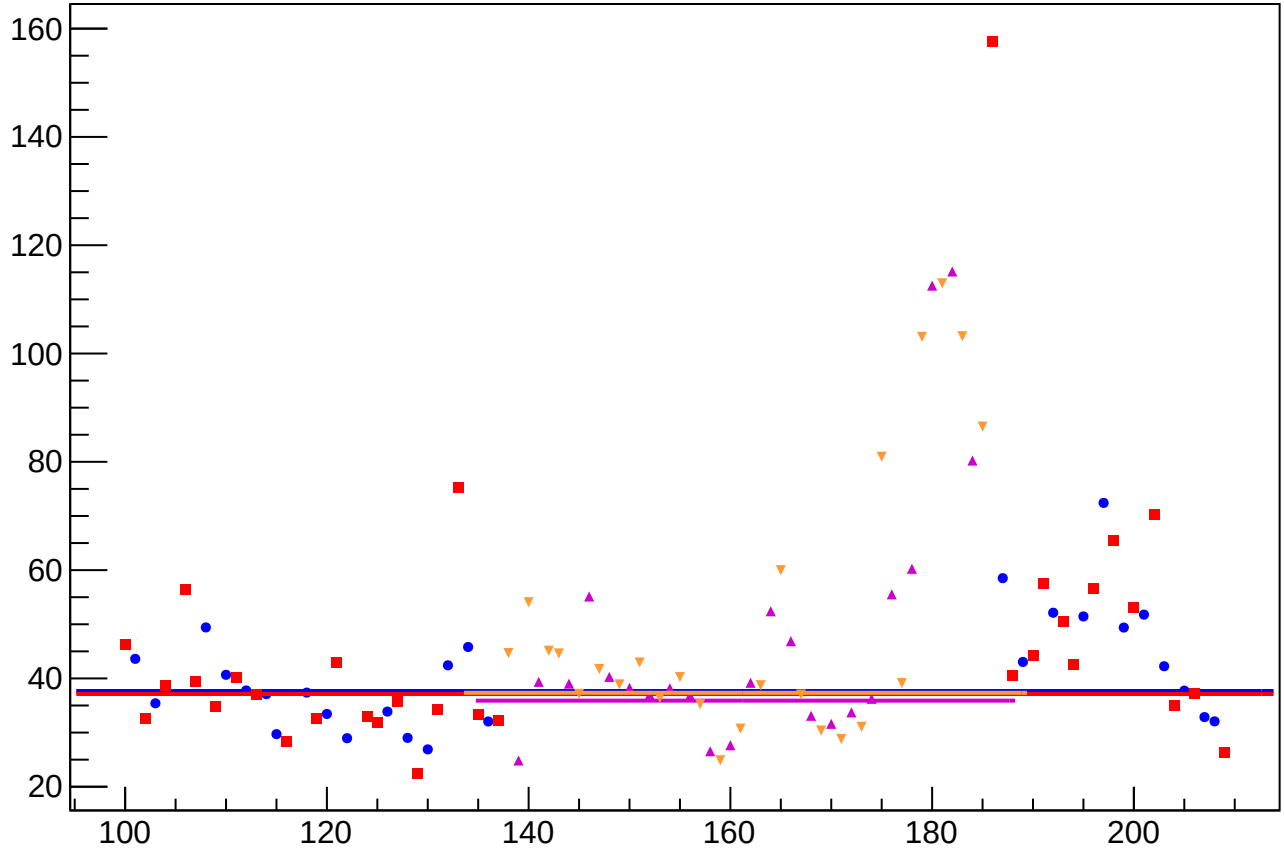
Right: -0.004+/-0.007 χ^2/NDF: 52.8/58

In: 0.000+/-0.007 χ^2/NDF:56.9/49

Out: -0.001+/-0.007 χ^2/NDF:59.1/56

All: -0.000+/-0.005 χ^2/NDF: 116.0/106

asym_sam_12345678_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 37.673+/-0.007 χ^2/NDF: 1480762.5/26

Left Out: 37.344+/-0.007 χ^2/NDF:3696697.3/24

Right Out: 37.120+/-0.007 χ^2/NDF: 2601448.7/31

Left In: 35.896+/-0.006 χ^2/NDF:3138307.4/22

Left: 36.612+/-0.005 χ^2/NDF: 6859720.7/47

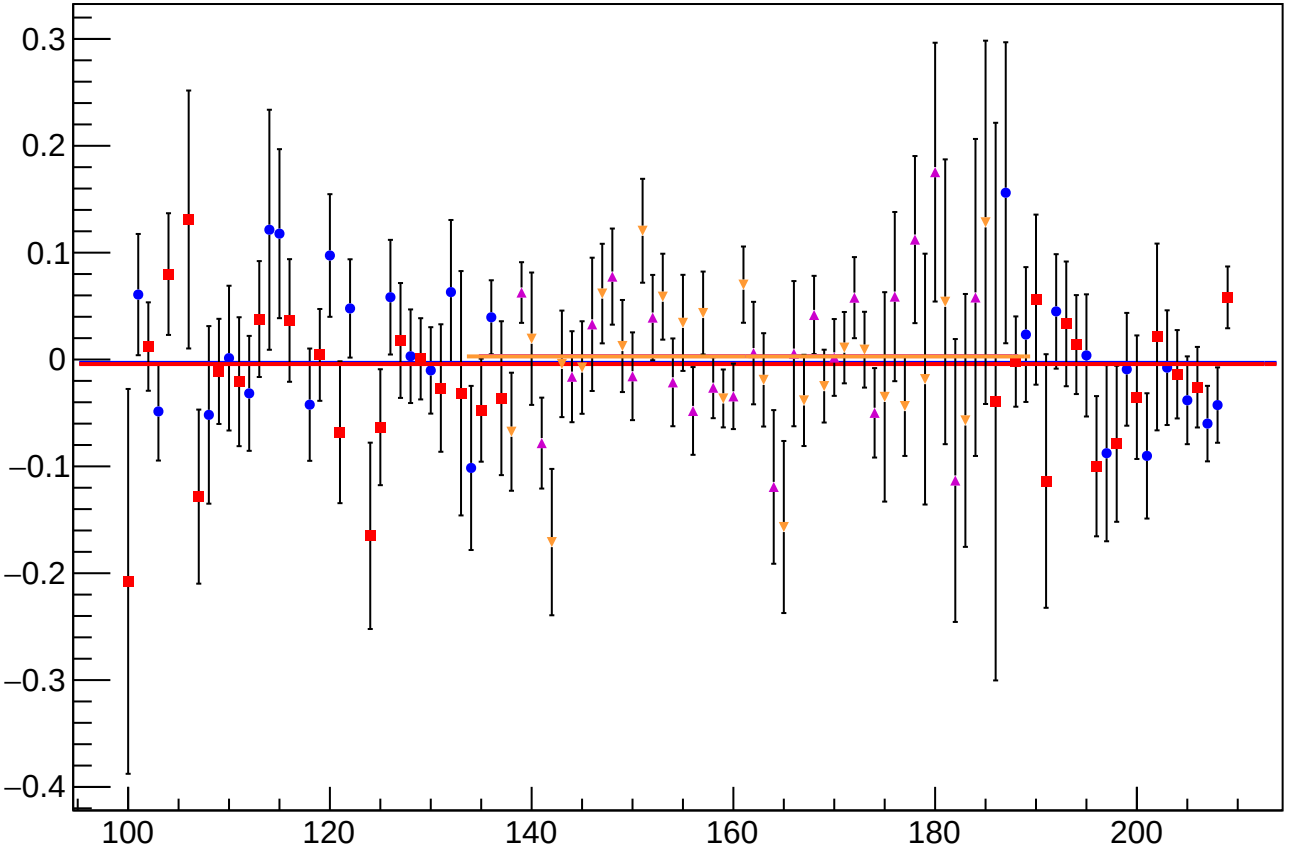
Right: 37.387+/-0.005 χ^2/NDF: 4085340.7/58

In: 36.701+/-0.005 χ^2/NDF:4653166.1/49

Out: 37.237+/-0.005 χ^2/NDF:6298703.3/56

All: 36.972+/-0.003 χ^2/NDF: 10958206.6/106

asym_sam_12345678_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.003+/-0.010 χ^2/NDF: 26.9/26

Left Out: 0.003+/-0.009 χ^2/NDF:32.9/24

Right Out: -0.004+/-0.010 χ^2/NDF: 25.9/31

Left In: 0.003+/-0.009 χ^2/NDF:29.8/22

Left: 0.003+/-0.007 χ^2/NDF: 62.7/47

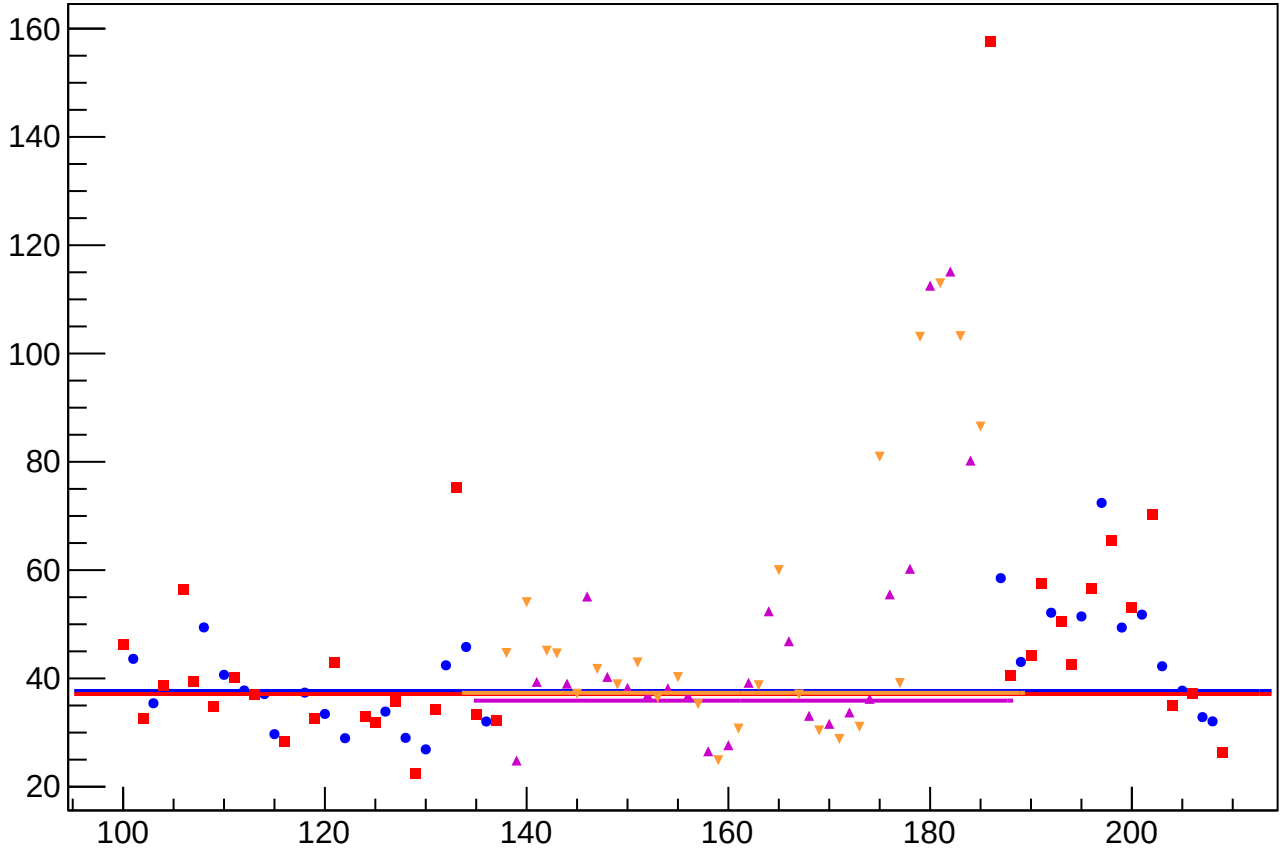
Right: -0.004+/-0.007 χ^2/NDF: 52.8/58

In: 0.000+/-0.007 χ^2/NDF:56.9/49

Out: -0.001+/-0.007 χ^2/NDF:59.1/56

All: -0.000+/-0.005 χ^2/NDF: 116.0/106

asym_sam_12345678_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 37.673+/-0.007 χ^2/NDF: 1480762.5/26

Left Out: 37.344+/-0.007 χ^2/NDF:3696697.3/24

Right Out: 37.120+/-0.007 χ^2/NDF: 2601448.7/31

Left In: 35.896+/-0.006 χ^2/NDF:3138307.4/22

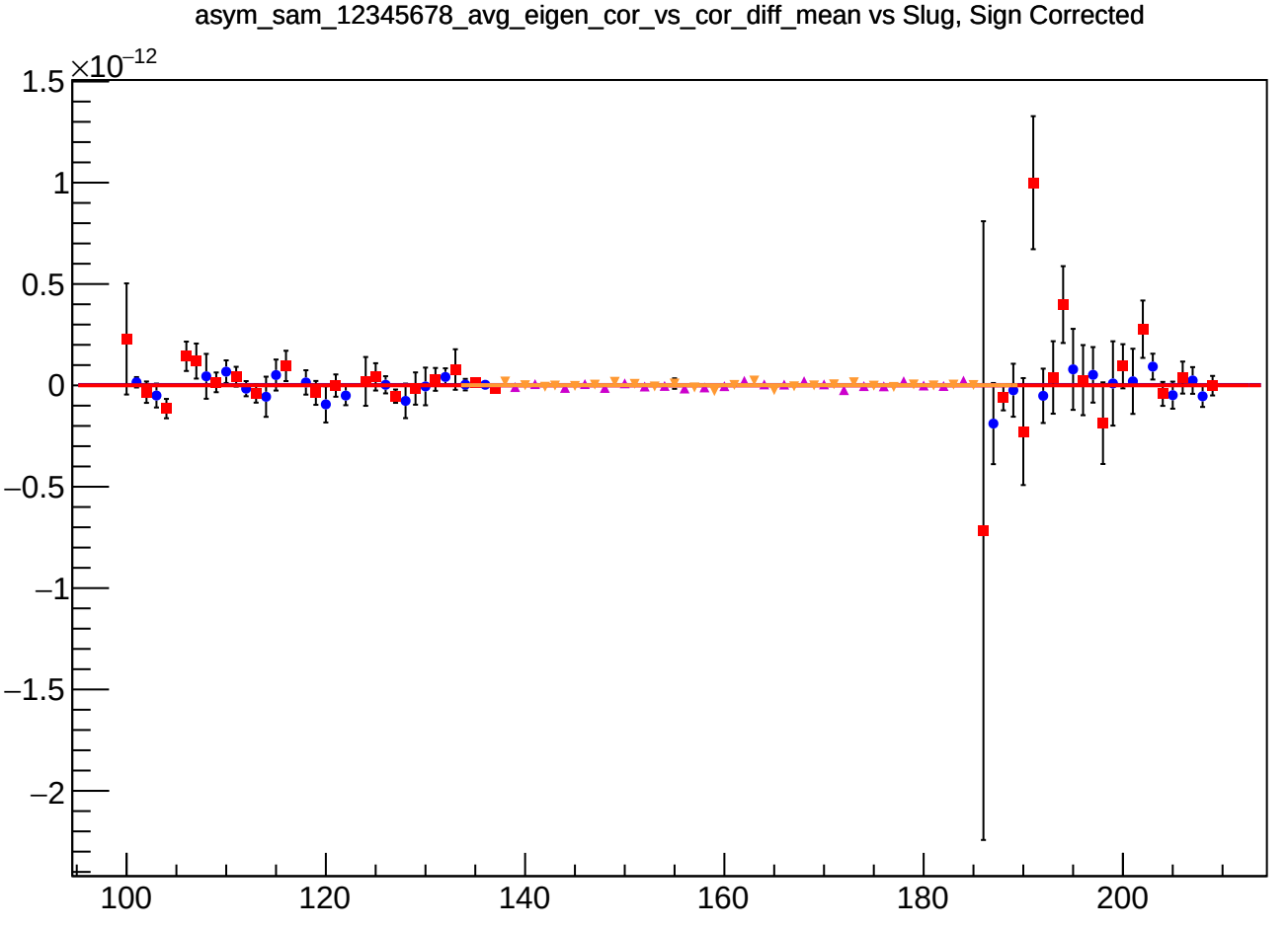
Left: 36.612+/-0.005 χ^2/NDF: 6859720.7/47

Right: 37.387+/-0.005 χ^2/NDF: 4085340.7/58

In: 36.701+/-0.005 χ^2/NDF:4653166.1/49

Out: 37.237+/-0.005 χ^2/NDF:6298703.3/56

All: 36.972+/-0.003 χ^2/NDF: 10958206.6/106



Right In: 0.000+/-0.000 χ^2/NDF: 12.9/26

Left Out: 0.000+/-0.000 χ^2/NDF:21.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 43.3/31

Left In: 0.000+/-0.000 χ^2/NDF:29.2/22

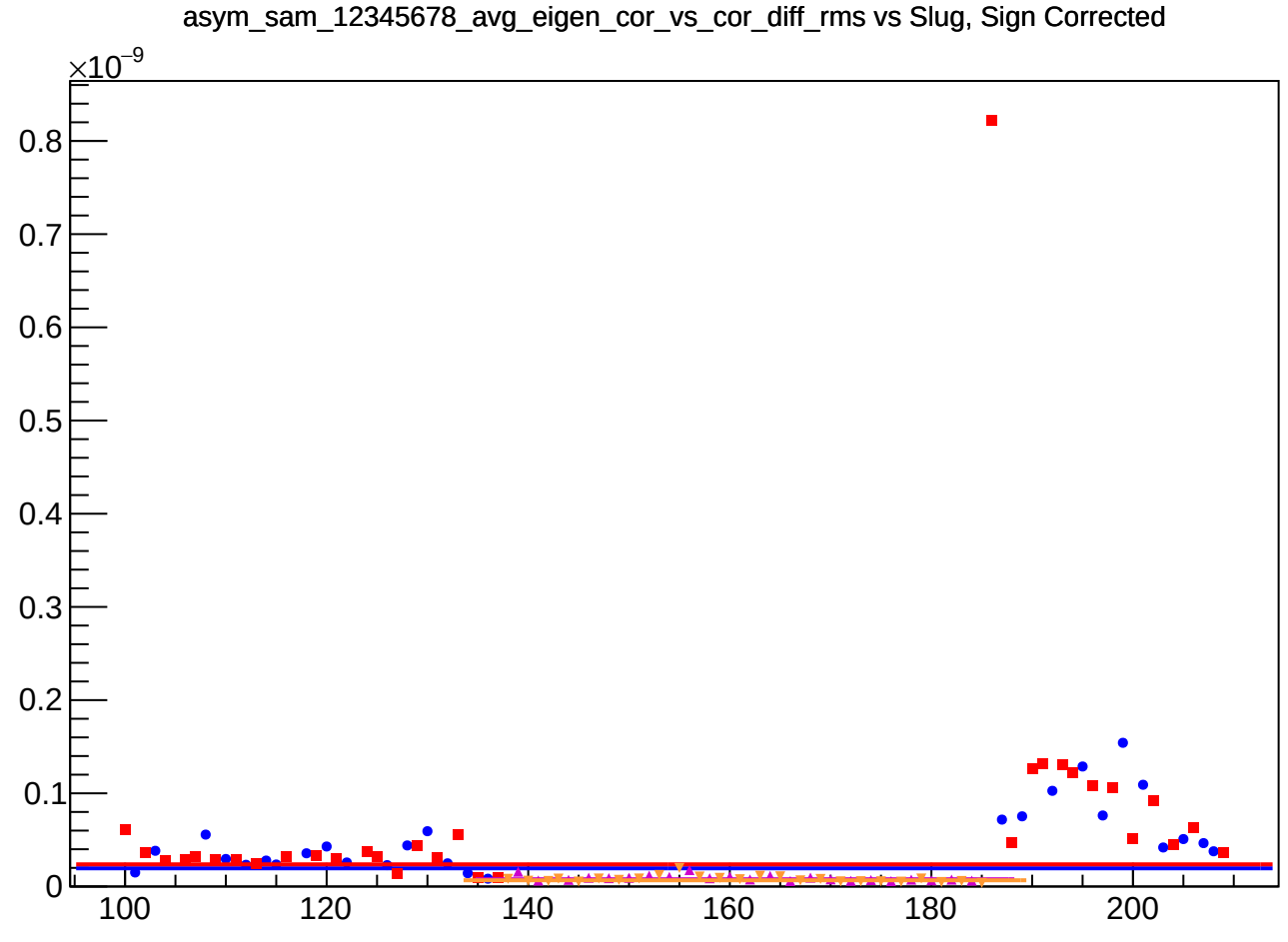
Left: 0.000+/-0.000 χ^2/NDF: 50.6/47

Right: 0.000+/-0.000 χ^2/NDF: 56.3/58

In: 0.000+/-0.000 χ^2/NDF:42.1/49

Out: 0.000+/-0.000 χ^2/NDF:64.7/56

All: 0.000+/-0.000 χ^2/NDF: 106.8/106



Right In: 0.000+/-0.000 χ^2/NDF: 8095074.9/26

Left Out: 0.000+/-0.000 χ^2/NDF:2192403.1/24

Right Out: 0.000+/-0.000 χ^2/NDF: 7719698.3/31

Left In: 0.000+/-0.000 χ^2/NDF:1582294.4/22

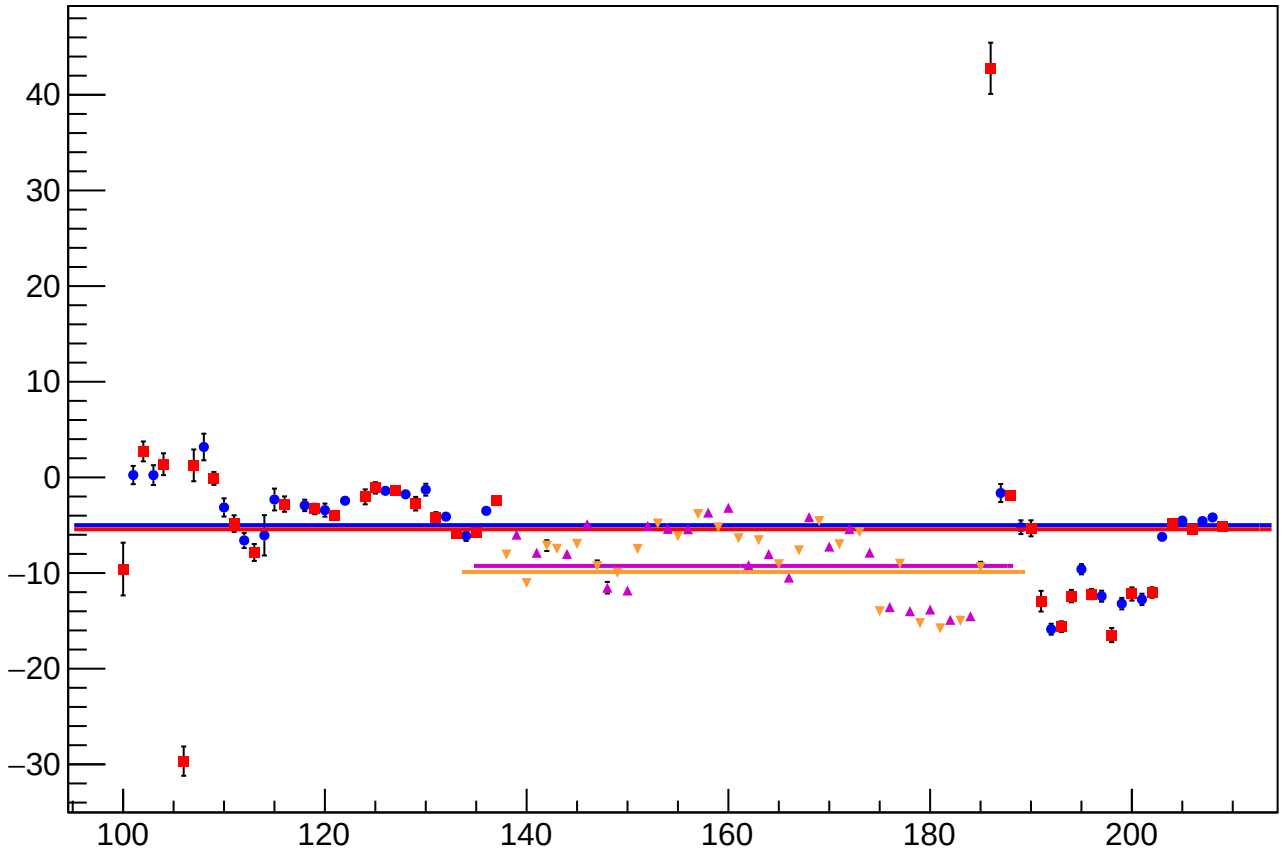
Left: 0.000+/-0.000 χ^2/NDF: 4027727.7/47

Right: 0.000+/-0.000 χ^2/NDF: 16041653.1/58

In: 0.000+/-0.000 χ^2/NDF:13406328.1/49

Out: 0.000+/-0.000 χ^2/NDF:16068373.0/56

All: 0.000+/-0.000 χ^2/NDF: 29784825.6/106



Right In: -4.994+/-0.100 χ^2/NDF: 1324.8/26

Left Out: -9.886+/-0.070 χ^2/NDF:3206.9/24

Right Out: -5.429+/-0.098 χ^2/NDF: 2255.1/31

Left In: -9.255+/-0.072 χ^2/NDF:3067.6/22

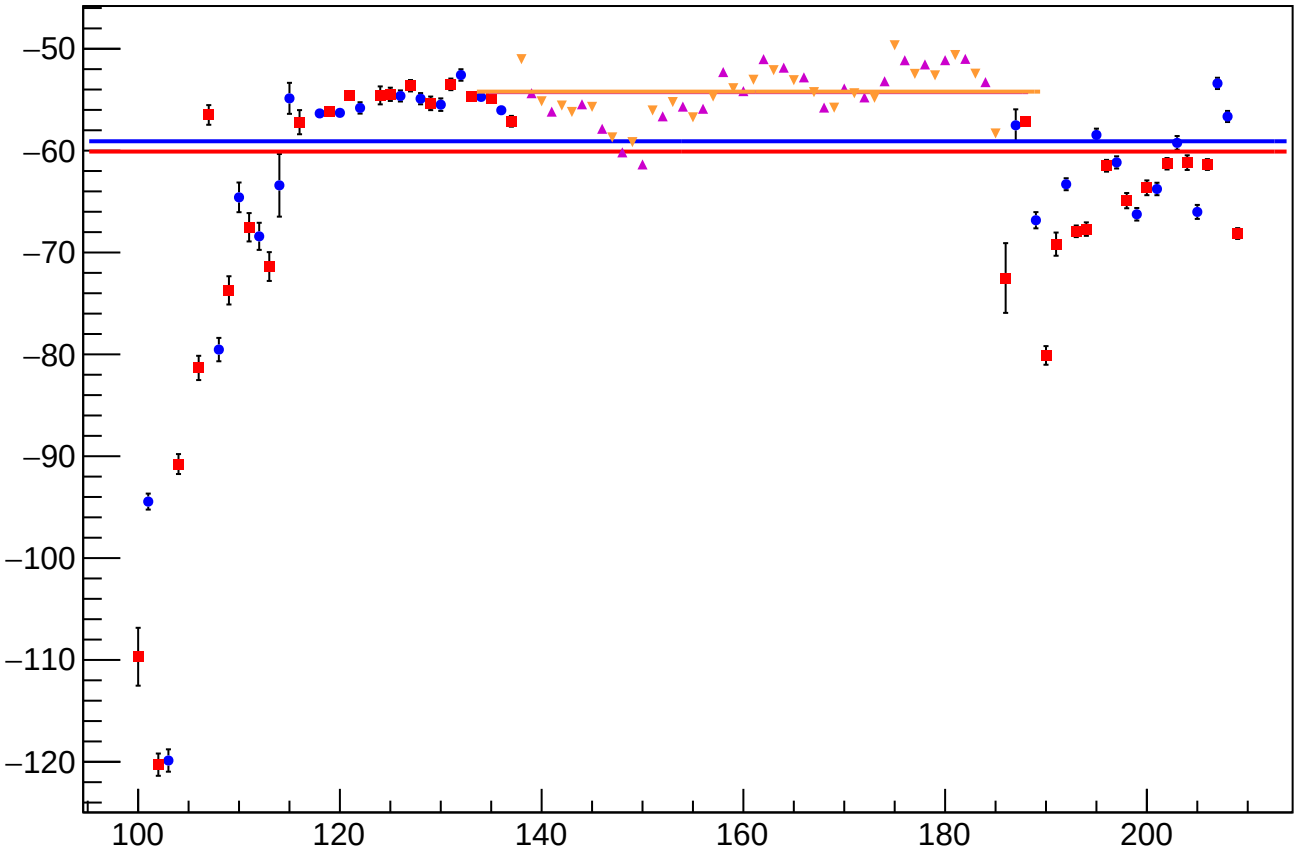
Left: -9.580+/-0.050 χ^2/NDF: 6314.6/47

Right: -5.216+/-0.070 χ^2/NDF: 3589.6/58

In: -7.809+/-0.058 χ^2/NDF:5593.2/49

Out: -8.395+/-0.057 χ^2/NDF:6836.8/56

All: -8.110+/-0.041 χ^2/NDF: 12482.0/106



Right In: -59.080+/-0.111 χ^2/NDF: 6749.9/26

Left Out: -54.206+/-0.056 χ^2/NDF:1857.6/24

Right Out: -60.091+/-0.110 χ^2/NDF: 7293.8/31

Left In: -54.257+/-0.058 χ^2/NDF:2489.9/22

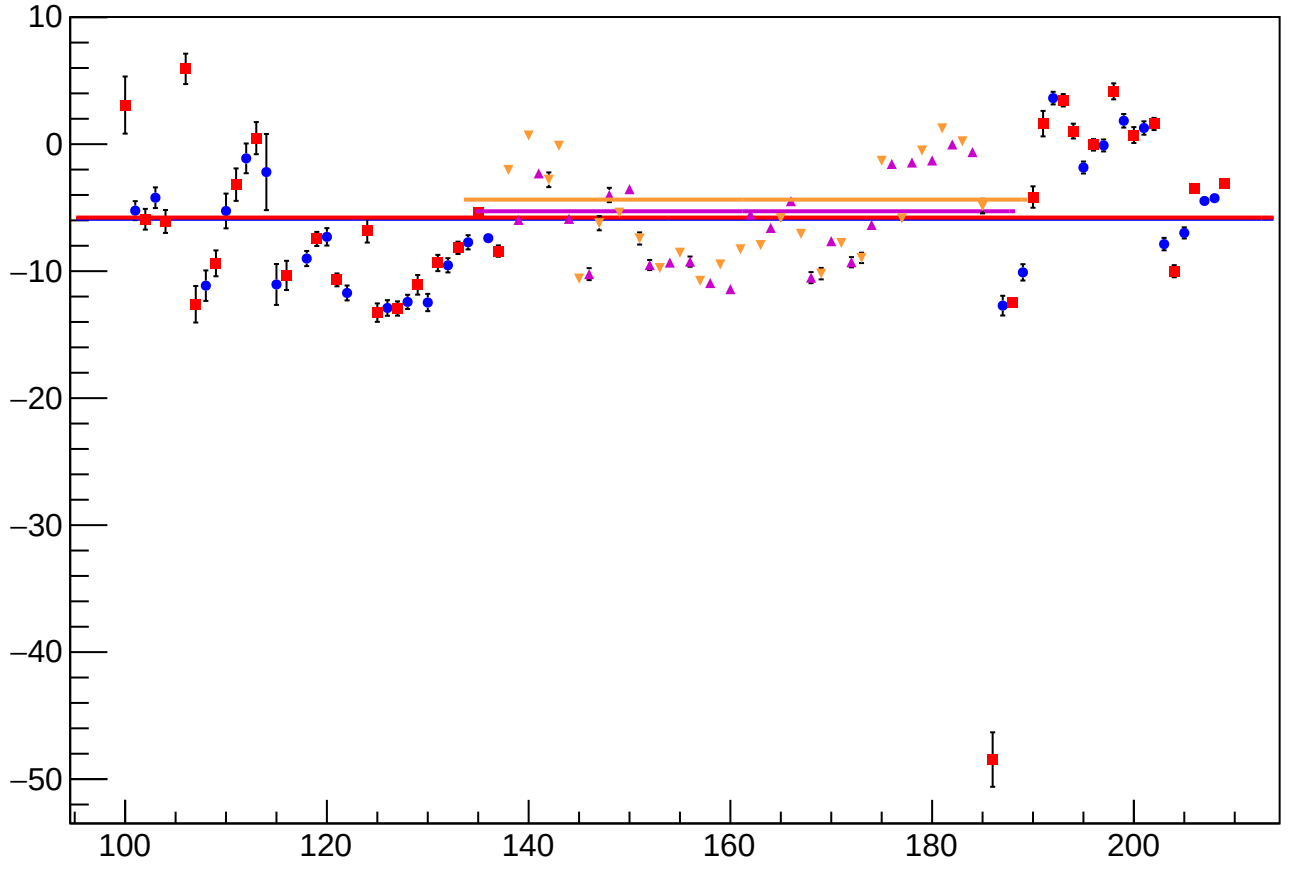
Left: -54.230+/-0.040 χ^2/NDF: 4347.9/47

Right: -59.591+/-0.078 χ^2/NDF: 14085.5/58

In: -55.298+/-0.052 χ^2/NDF:10716.3/49

Out: -55.412+/-0.050 χ^2/NDF:11428.7/56

All: -55.357+/-0.036 χ^2/NDF: 22147.5/106



Right In: -5.878+/-0.100 χ^2/NDF: 1809.9/26

Left Out: -4.366+/-0.069 χ^2/NDF:3701.4/24

Right Out: -5.778+/-0.097 χ^2/NDF: 3259.7/31

Left In: -5.283+/-0.071 χ^2/NDF:2750.2/22

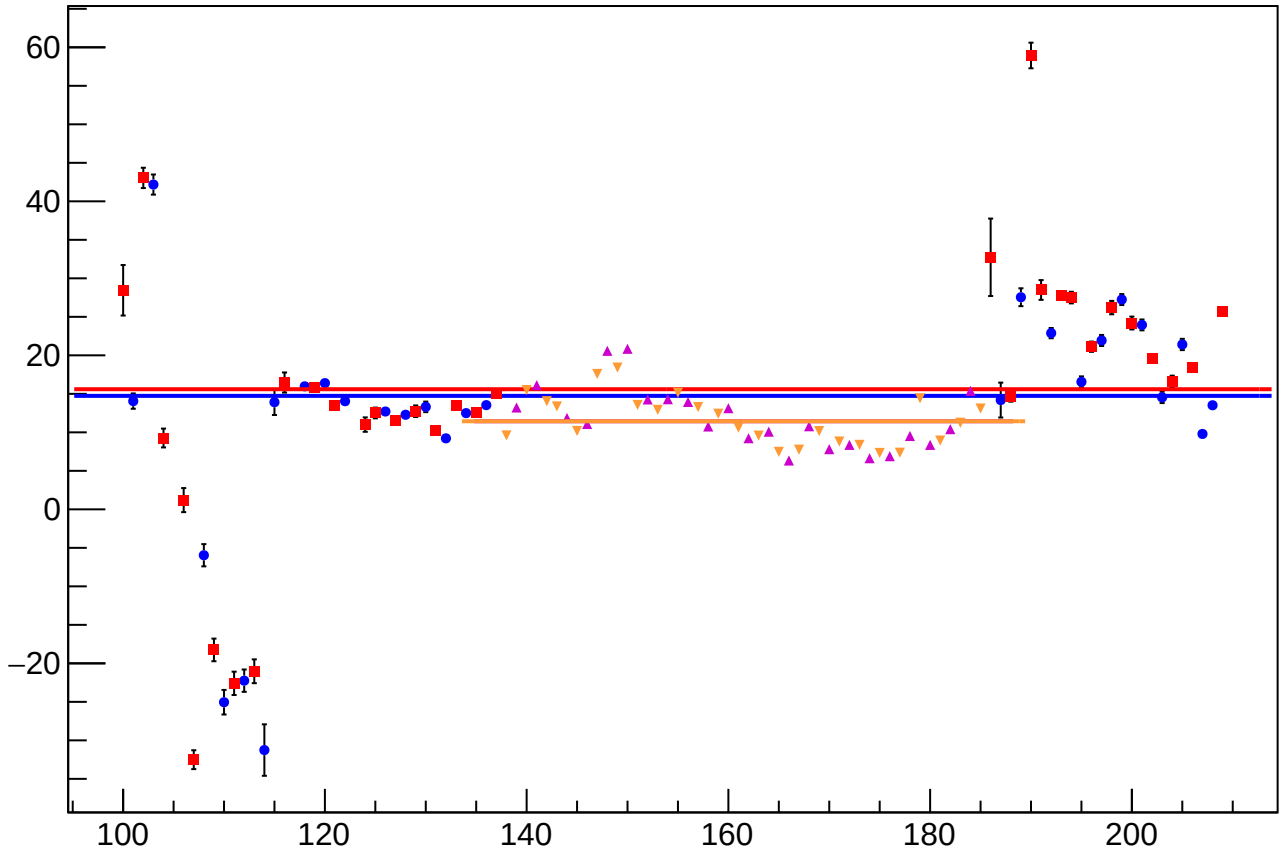
Left: -4.813+/-0.050 χ^2/NDF: 6536.9/47

Right: -5.826+/-0.070 χ^2/NDF: 5070.1/58

In: -5.482+/-0.058 χ^2/NDF:4583.5/49

Out: -4.842+/-0.056 χ^2/NDF:7101.3/56

All: -5.153+/-0.040 χ^2/NDF: 11747.4/106



Right In: 14.737+/-0.124 χ^2/NDF: 3304.7/26

Left Out: 11.438+/-0.062 χ^2/NDF:2435.7/24

Right Out: 15.600+/-0.125 χ^2/NDF: 6231.2/31

Left In: 11.441+/-0.064 χ^2/NDF:3358.4/22

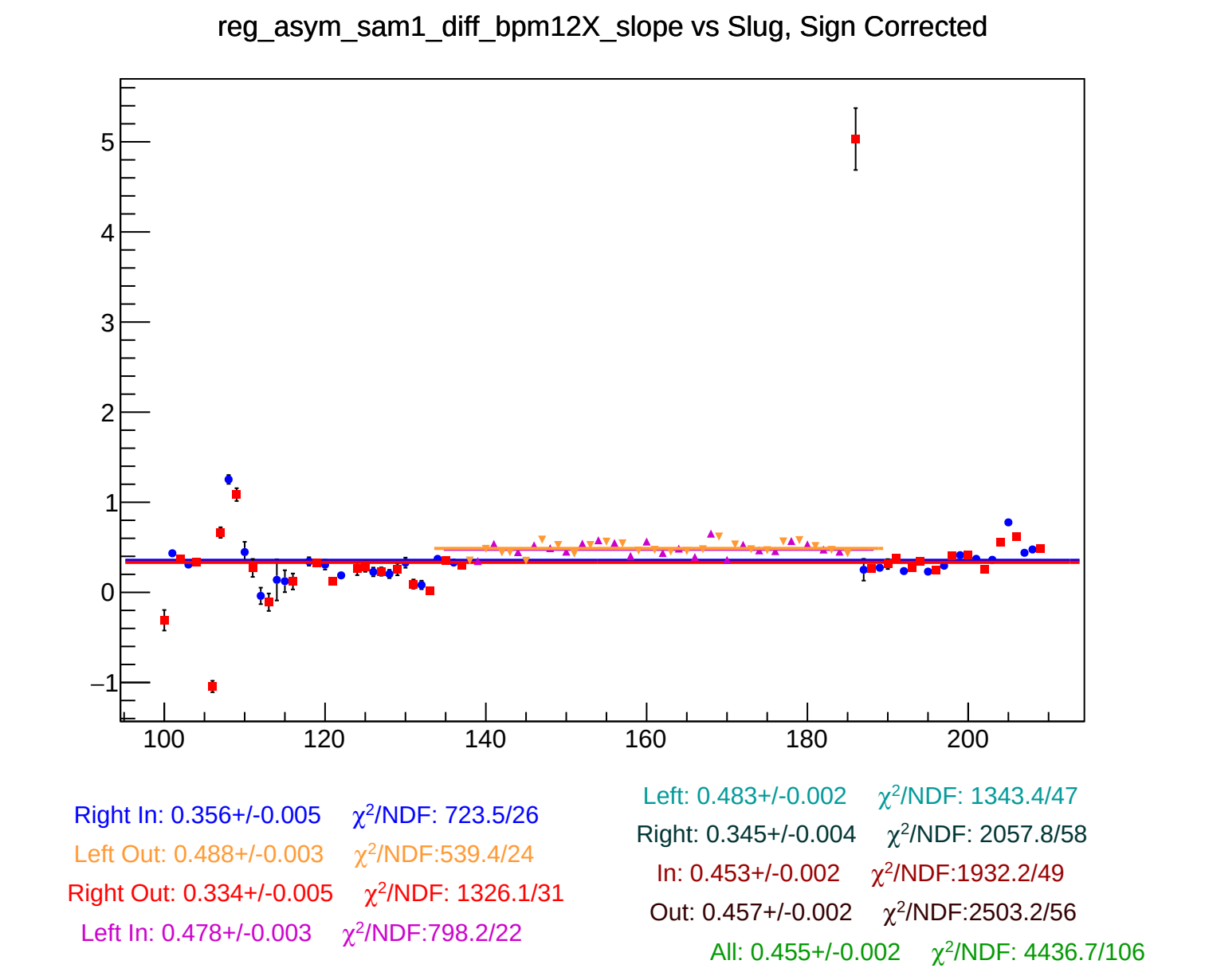
Left: 11.439+/-0.045 χ^2/NDF: 5794.1/47

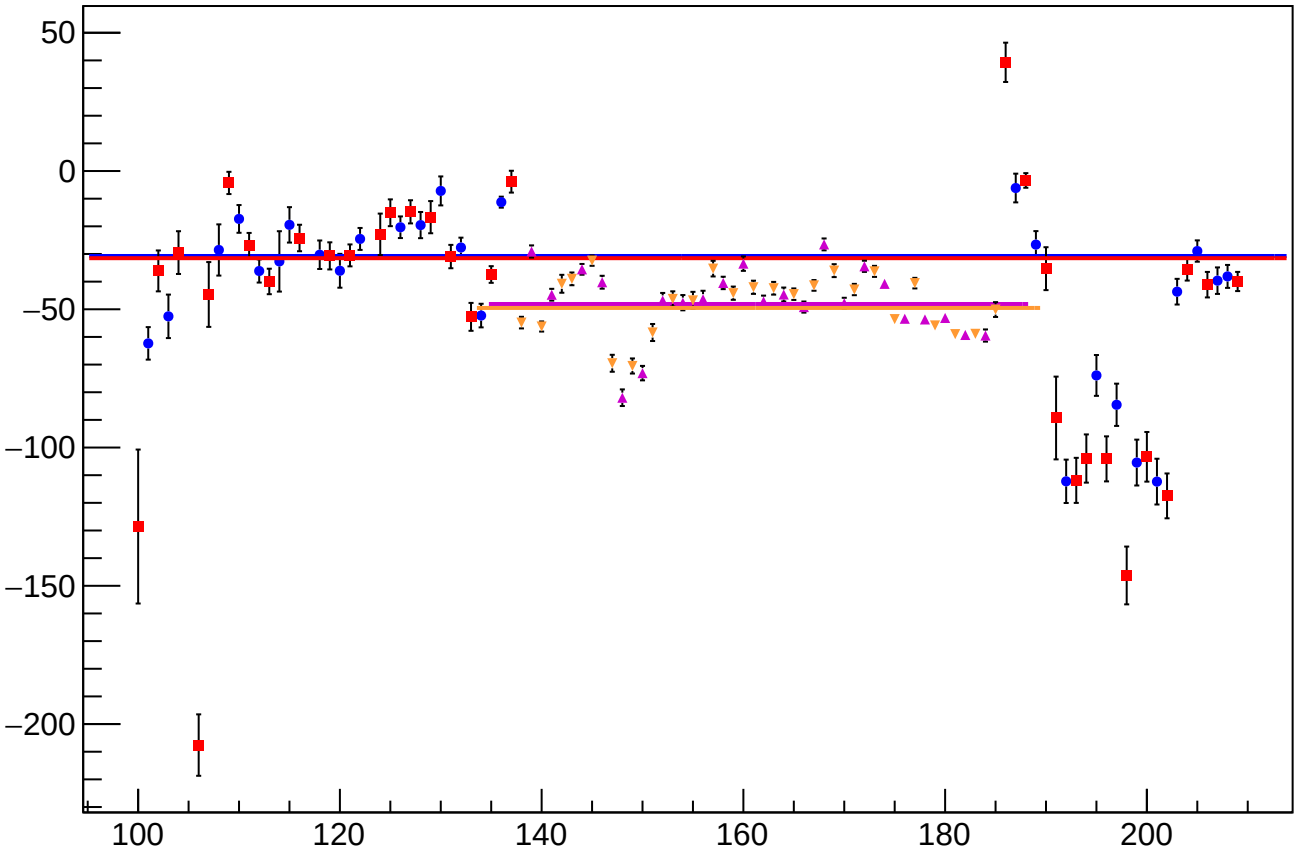
Right: 15.166+/-0.088 χ^2/NDF: 9559.9/58

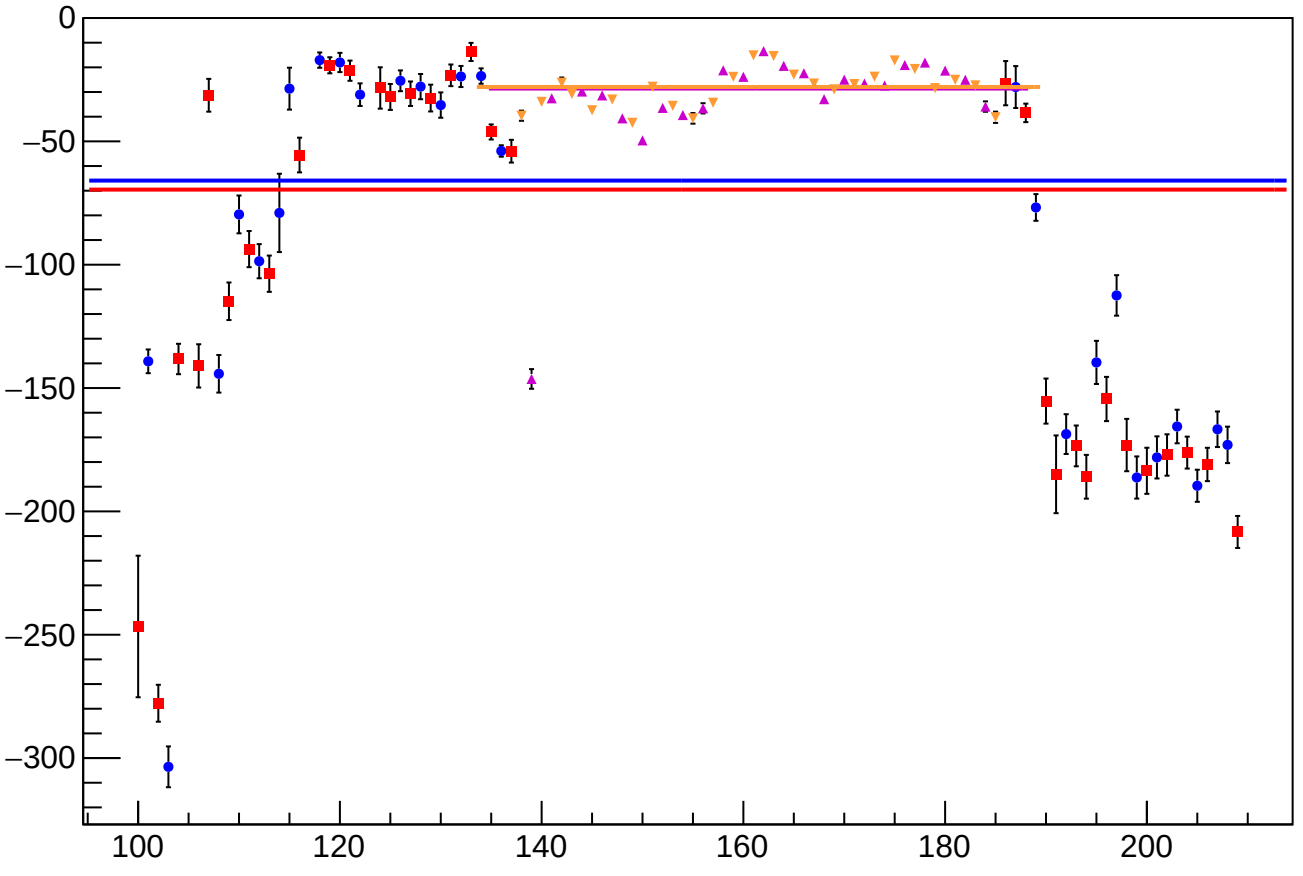
In: 12.137+/-0.057 χ^2/NDF:7219.3/49

Out: 12.260+/-0.056 χ^2/NDF:9557.5/56

All: 12.200+/-0.040 χ^2/NDF: 16779.3/106


reg_asym_sam1_diff_bpm12X_slope vs Slug, Sign Corrected
5
4
3
2
1
0
−1
100
120
140
160
180
200
Right In: 0.356+/-0.005 χ²/NDF: 723.5/26
Left Out: 0.488+/-0.003 χ²/NDF:539.4/24
Right Out: 0.334+/-0.005 χ²/NDF: 1326.1/31
Left In: 0.478+/-0.003 χ²/NDF:798.2/22
Left: 0.483+/-0.002 χ²/NDF: 1343.4/47
Right: 0.345+/-0.004 χ²/NDF: 2057.8/58
In: 0.453+/-0.002 χ²/NDF:1932.2/49
Out: 0.457+/-0.002 χ²/NDF:2503.2/56
All: 0.455+/-0.002 χ²/NDF: 4436.7/106


reg_asym_sam2_diff_bpm1X_slope vs Slug, Sign Corrected
50
0
−50
−100
−150
−200
100
120
140
160
180
200
Right In: -30.728+/-0.905 χ²/NDF: 614.6/26
Left Out: -49.516+/-0.402 χ²/NDF:576.3/24
Right Out: -31.522+/-0.902 χ²/NDF: 1205.0/31
Left In: -48.087+/-0.418 χ²/NDF:706.2/22
Left: -48.829+/-0.290 χ²/NDF: 1288.6/47
Right: -31.126+/-0.639 χ²/NDF: 1820.0/58
In: -45.026+/-0.380 χ²/NDF:1624.1/49
Out: -46.530+/-0.368 χ²/NDF:2113.2/56
All: -45.803+/-0.264 χ²/NDF: 3745.4/106



Right In: -65.902+/-0.987 χ^2/NDF: 3798.0/26

Left Out: -27.957+/-0.321 χ^2/NDF:497.7/24

Right Out: -69.556+/-1.021 χ^2/NDF: 4143.8/31

Left In: -28.592+/-0.334 χ^2/NDF:1480.6/22

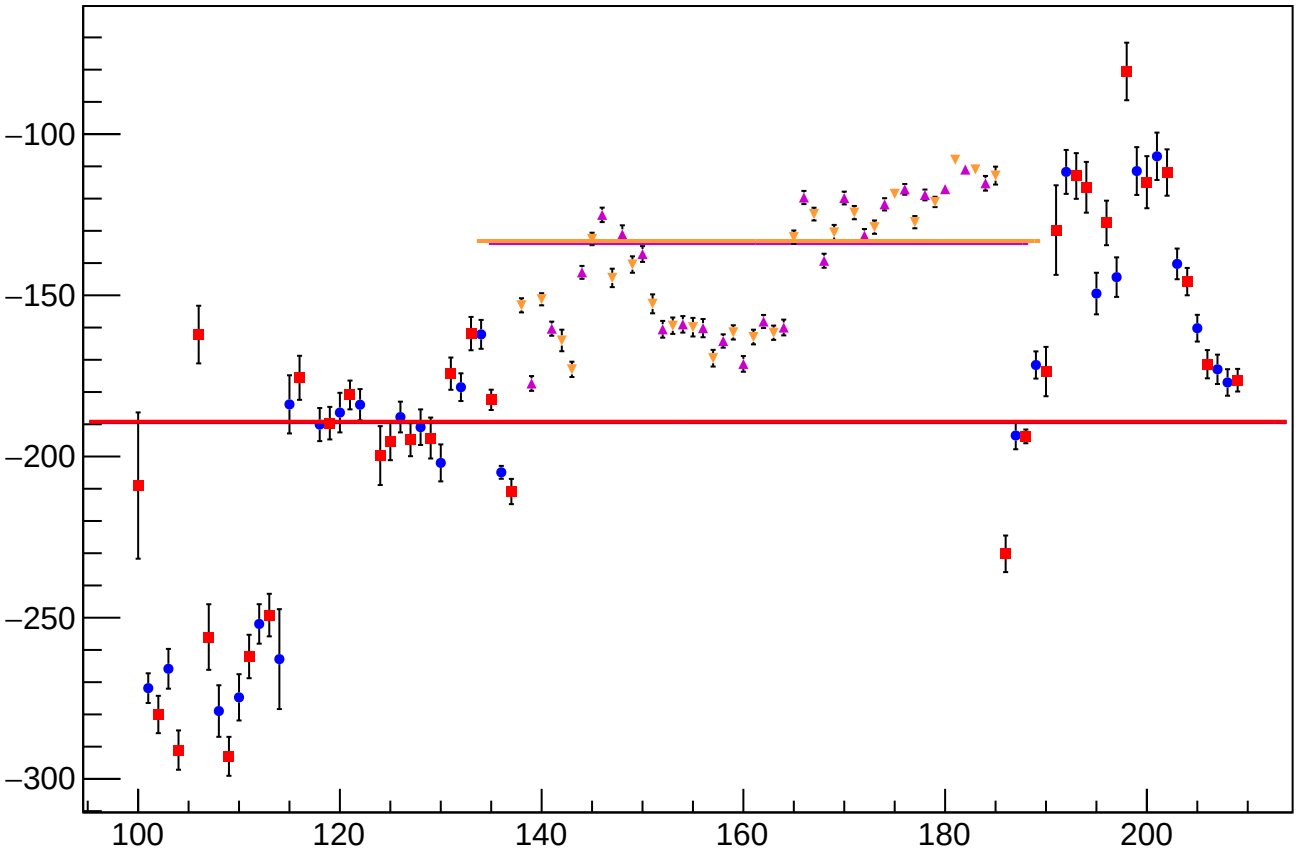
Left: -28.263+/-0.231 χ^2/NDF: 1980.2/47

Right: -67.667+/-0.710 χ^2/NDF: 7948.5/58

In: -32.418+/-0.316 χ^2/NDF:6561.1/49

Out: -31.700+/-0.306 χ^2/NDF:6151.4/56

All: -32.048+/-0.220 χ^2/NDF: 12715.2/106



Right In: -189.338+/-0.933 χ^2/NDF: 1634.1/26

Left Out: -133.155+/-0.403 χ^2/NDF:2530.7/24

Right Out: -189.215+/-0.922 χ^2/NDF: 1998.6/31

Left In: -133.777+/-0.417 χ^2/NDF:2440.7/22

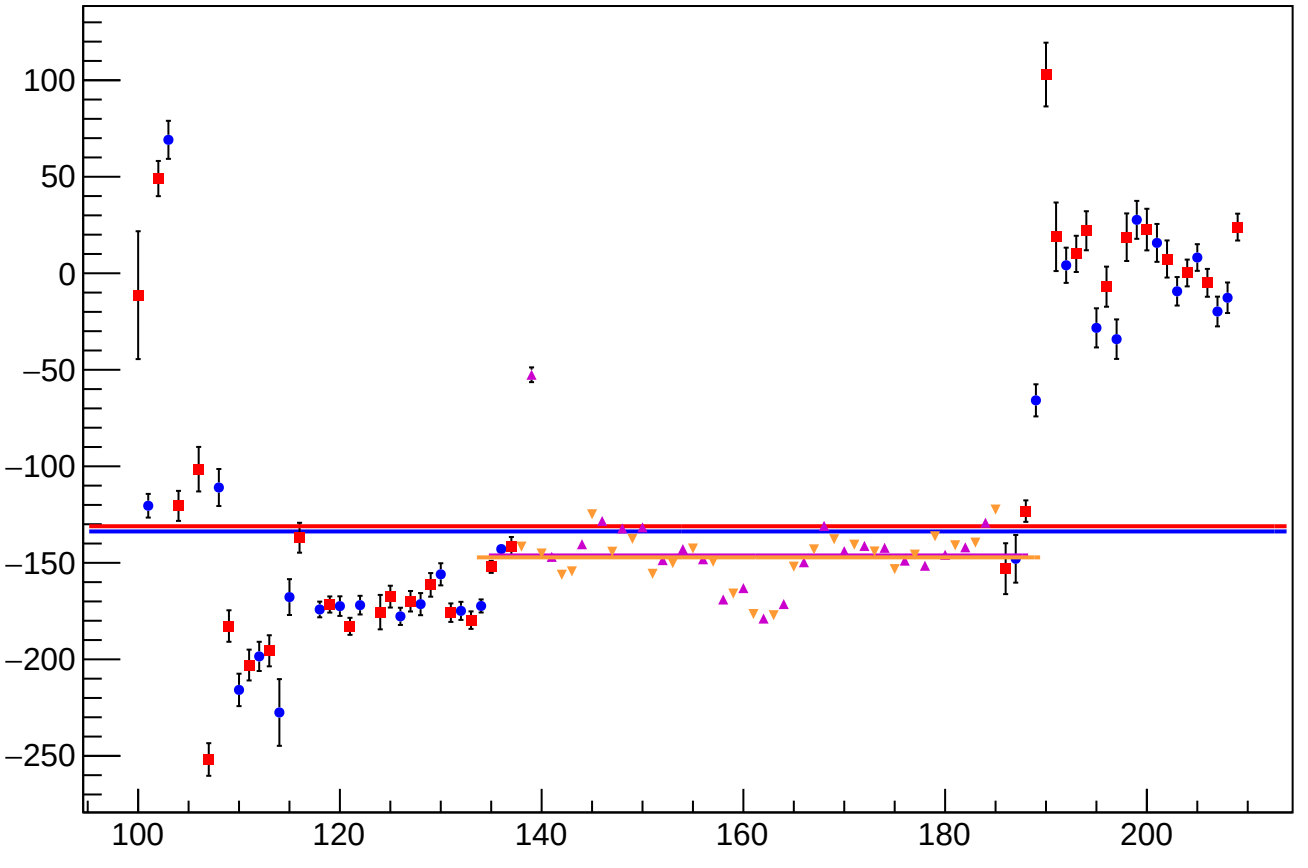
Left: -133.455+/-0.290 χ^2/NDF: 4972.5/47

Right: -189.275+/-0.656 χ^2/NDF: 3632.7/58

In: -143.033+/-0.381 χ^2/NDF:7032.4/49

Out: -142.150+/-0.369 χ^2/NDF:7635.5/56

All: -142.578+/-0.265 χ^2/NDF: 14670.6/106



Right In: -133.739+/-1.110 χ^2/NDF: 3401.9/26

Left Out: -147.167+/-0.358 χ^2/NDF:1245.6/24

Right Out: -131.044+/-1.169 χ^2/NDF: 4024.7/31

Left In: -146.173+/-0.371 χ^2/NDF:1793.8/22

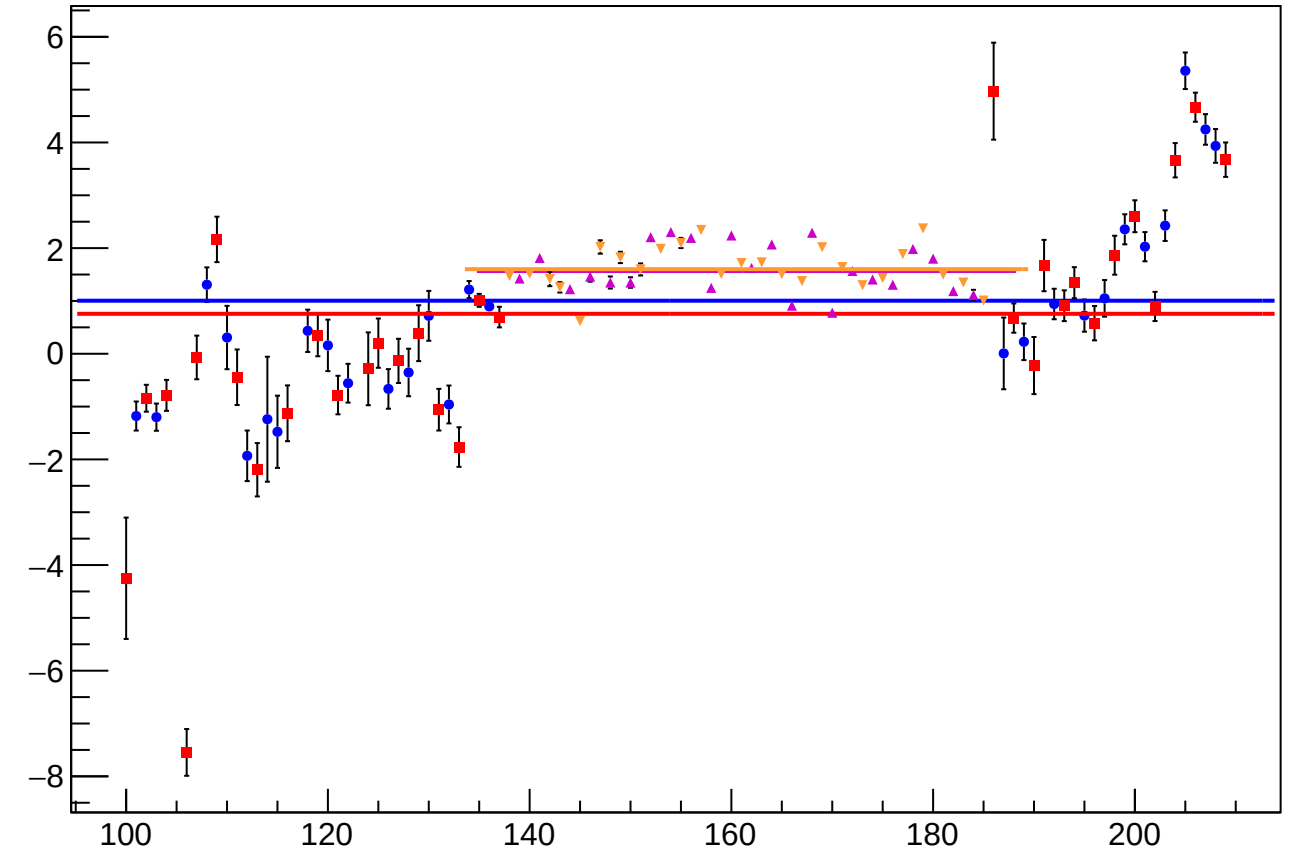
Left: -146.687+/-0.258 χ^2/NDF: 3043.1/47

Right: -132.460+/-0.805 χ^2/NDF: 7429.4/58

In: -144.927+/-0.352 χ^2/NDF:5308.5/49

Out: -145.783+/-0.342 χ^2/NDF:5444.3/56

All: -145.366+/-0.245 χ^2/NDF: 10755.8/106



Right In: 1.004+/-0.054 χ^2/NDF: 715.0/26

Left Out: 1.601+/-0.016 χ^2/NDF:581.8/24

Right Out: 0.756+/-0.057 χ^2/NDF: 1044.3/31

Left In: 1.567+/-0.016 χ^2/NDF:735.2/22

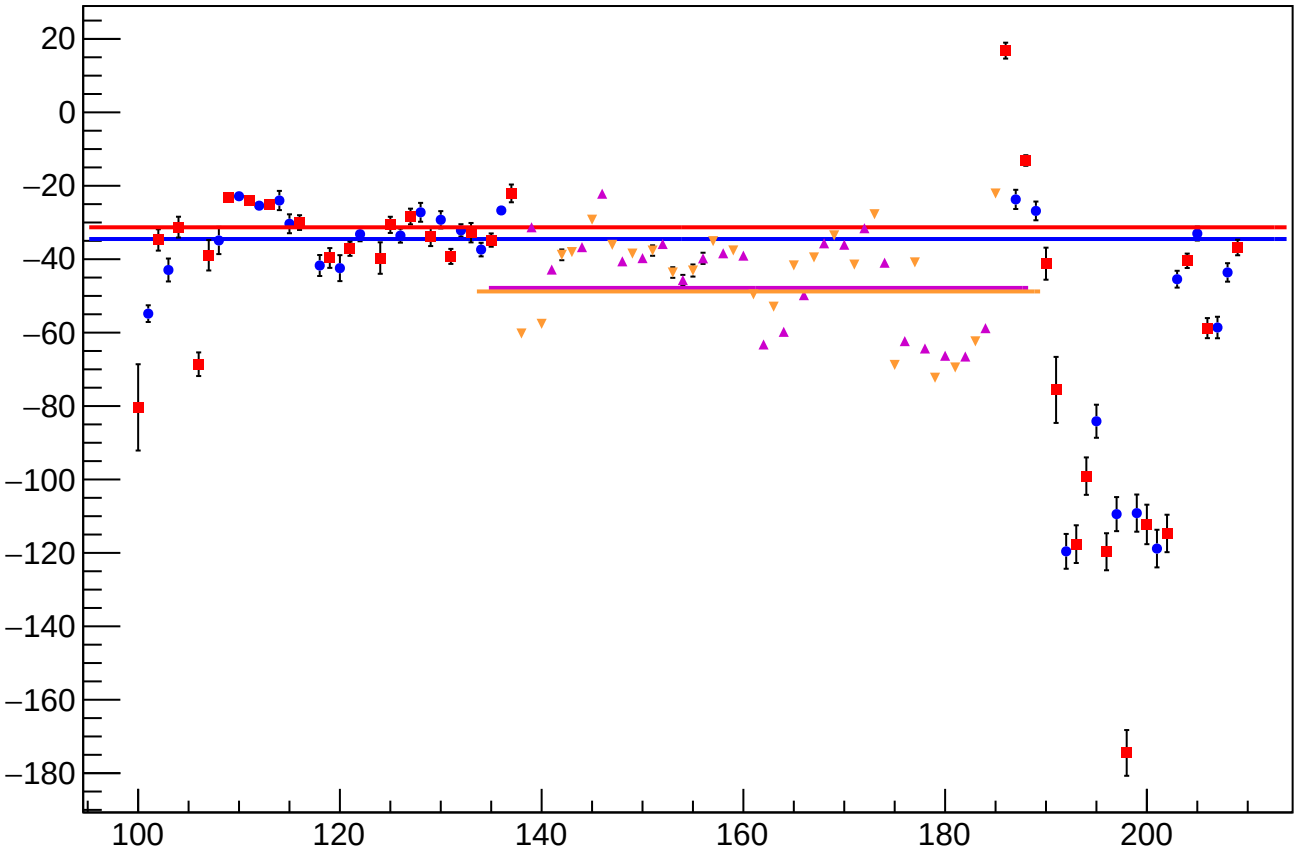
Left: 1.585+/-0.011 χ^2/NDF: 1319.1/47

Right: 0.888+/-0.039 χ^2/NDF: 1769.4/58

In: 1.519+/-0.016 χ^2/NDF:1550.8/49

Out: 1.539+/-0.015 χ^2/NDF:1830.6/56

All: 1.529+/-0.011 χ^2/NDF: 3382.2/106



Right In: -34.500+/-0.414 χ^2/NDF: 1655.1/26

Left Out: -48.783+/-0.167 χ^2/NDF:8953.8/24

Right Out: -31.308+/-0.392 χ^2/NDF: 2942.6/31

Left In: -47.822+/-0.170 χ^2/NDF:7223.0/22

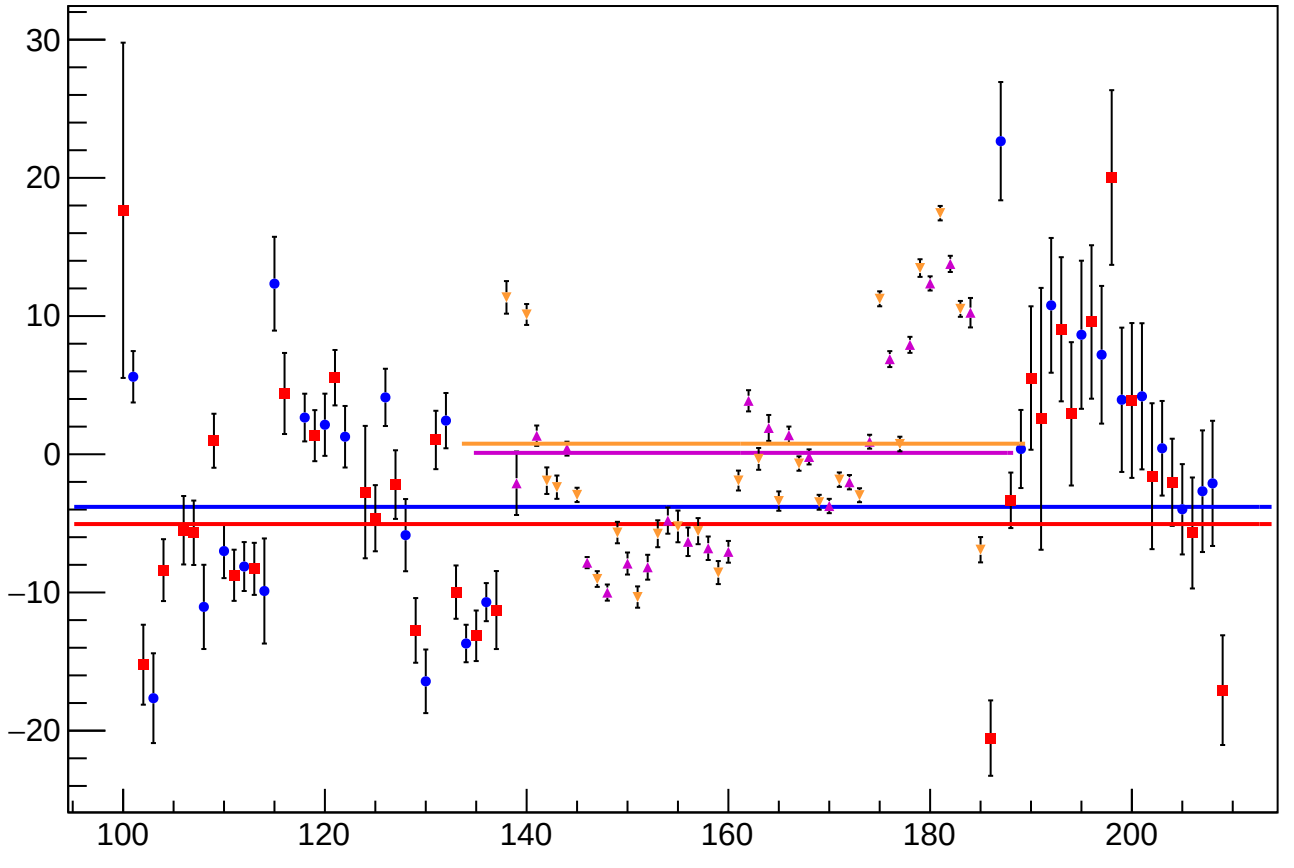
Left: -48.311+/-0.119 χ^2/NDF: 16193.1/47

Right: -32.814+/-0.285 χ^2/NDF: 4629.0/58

In: -45.902+/-0.157 χ^2/NDF:9763.4/49

Out: -46.101+/-0.153 χ^2/NDF:13581.7/56

All: -46.004+/-0.110 χ^2/NDF: 23346.0/106



Right In: -3.807+/-0.471 χ^2/NDF: 308.5/26

Left Out: 0.765+/-0.132 χ^2/NDF:3467.2/24

Right Out: -5.050+/-0.471 χ^2/NDF: 219.8/31

Left In: 0.102+/-0.133 χ^2/NDF:2721.8/22

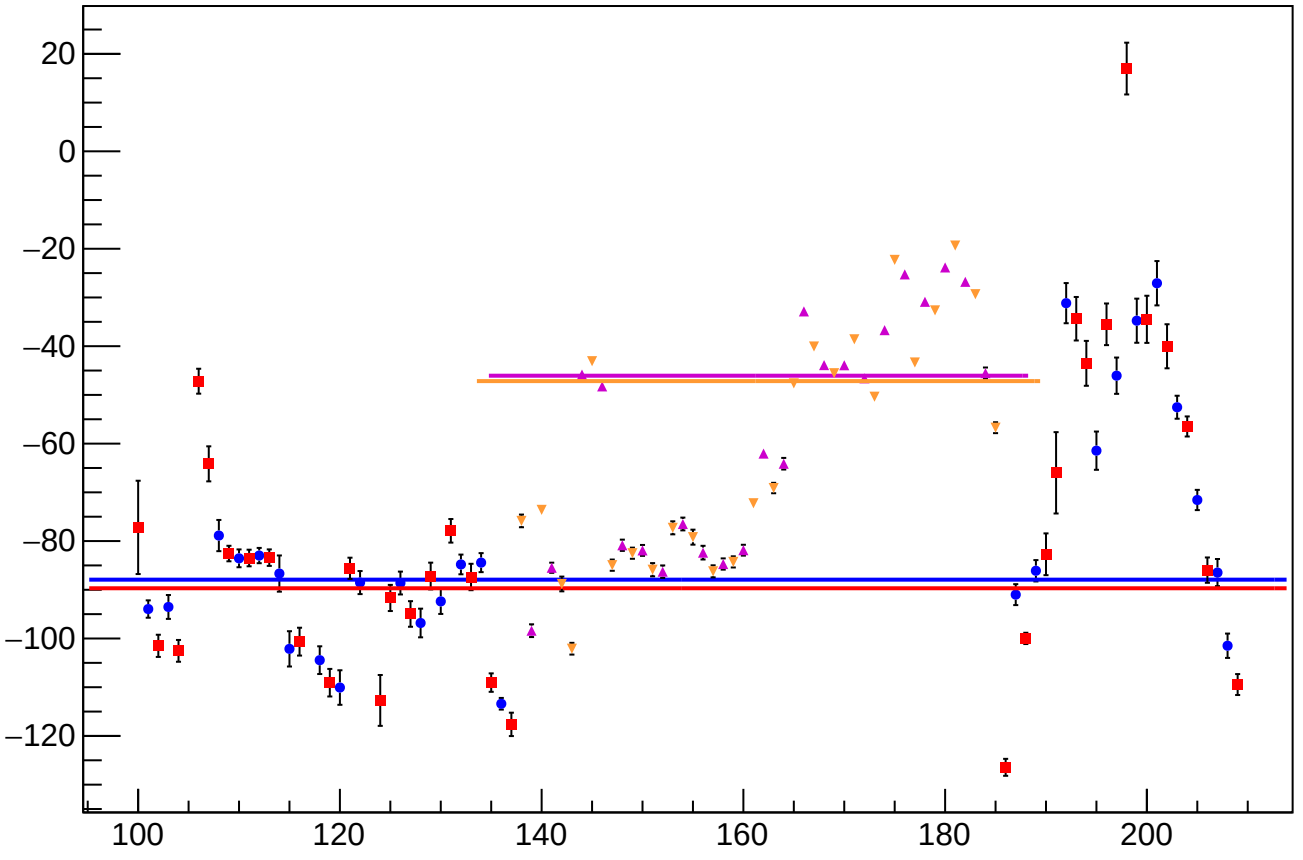
Left: 0.435+/-0.094 χ^2/NDF: 6201.6/47

Right: -4.429+/-0.333 χ^2/NDF: 531.8/58

In: -0.186+/-0.128 χ^2/NDF:3094.0/49

Out: 0.341+/-0.127 χ^2/NDF:3828.2/56

All: 0.078+/-0.090 χ^2/NDF: 6930.7/106



Right In: -87.922+/-0.452 χ^2/NDF: 1597.0/26

Left Out: -47.167+/-0.168 χ^2/NDF:17658.5/24

Right Out: -89.690+/-0.430 χ^2/NDF: 2740.4/31

Left In: -46.058+/-0.170 χ^2/NDF:14769.8/22

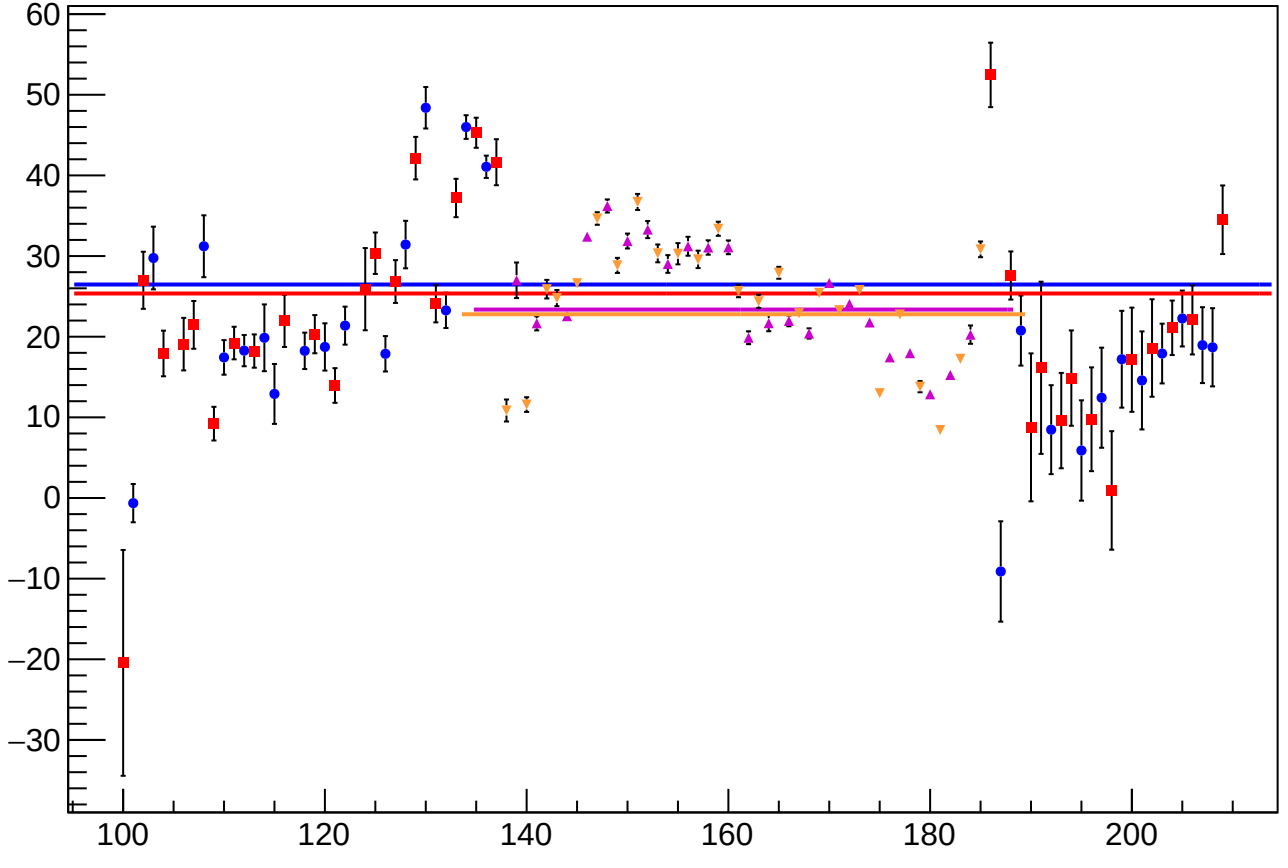
Left: -46.621+/-0.119 χ^2/NDF: 32449.9/47

Right: -88.852+/-0.312 χ^2/NDF: 4345.4/58

In: -51.246+/-0.159 χ^2/NDF:23868.2/49

Out: -52.778+/-0.156 χ^2/NDF:28899.3/56

All: -52.028+/-0.111 χ^2/NDF: 52814.7/106



Right In: 26.471+/-0.531 χ^2/NDF: 670.3/26

Left Out: 22.782+/-0.147 χ^2/NDF:2412.9/24

Right Out: 25.359+/-0.541 χ^2/NDF: 442.1/31

Left In: 23.366+/-0.149 χ^2/NDF:1785.4/22

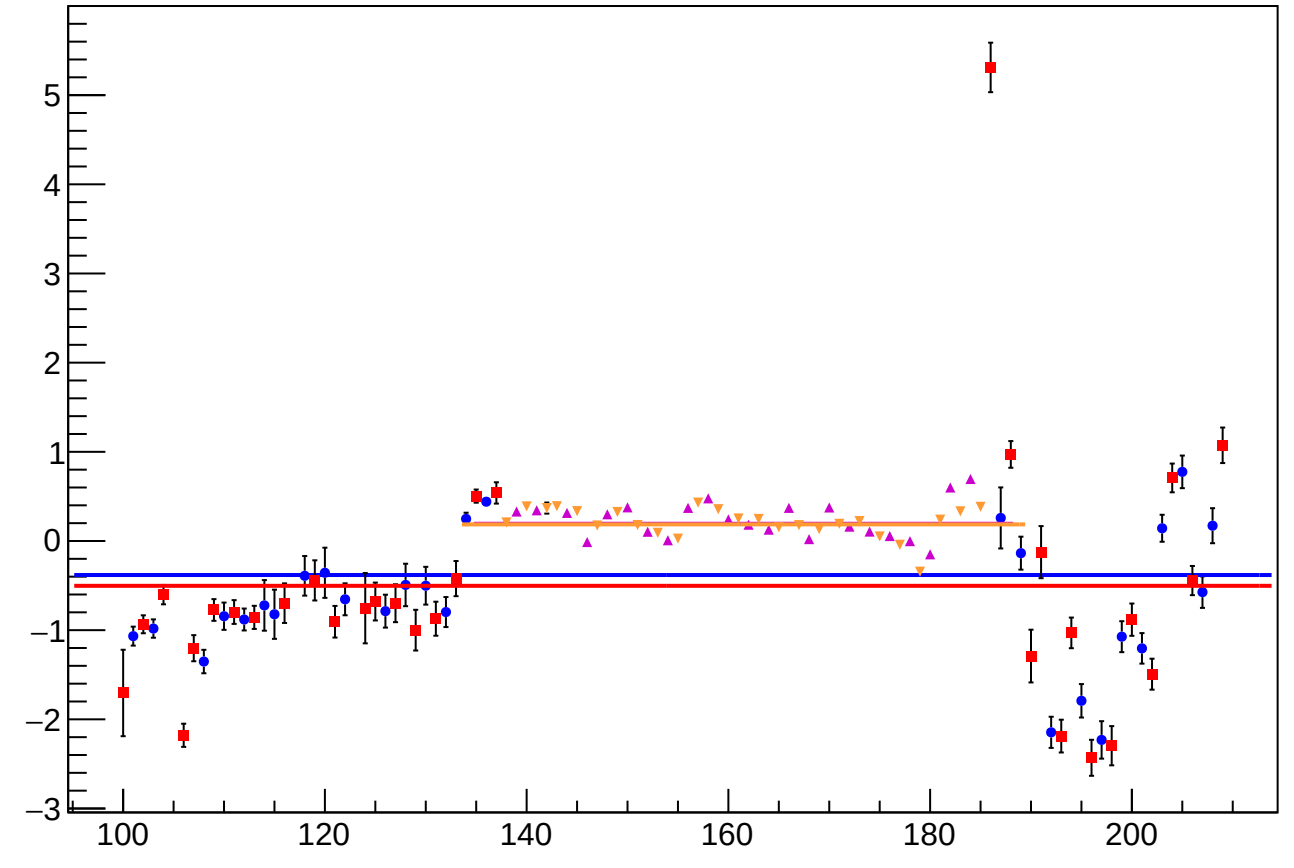
Left: 23.071+/-0.105 χ^2/NDF: 4206.1/47

Right: 25.926+/-0.379 χ^2/NDF: 1114.5/58

In: 23.592+/-0.143 χ^2/NDF:2487.4/49

Out: 22.960+/-0.142 χ^2/NDF:2876.1/56

All: 23.273+/-0.101 χ^2/NDF: 5373.3/106



Right In: -0.382+/-0.027 χ^2/NDF: 809.0/26

Left Out: 0.186+/-0.007 χ^2/NDF:645.7/24

Right Out: -0.503+/-0.028 χ^2/NDF: 1462.7/31

Left In: 0.193+/-0.007 χ^2/NDF:938.2/22

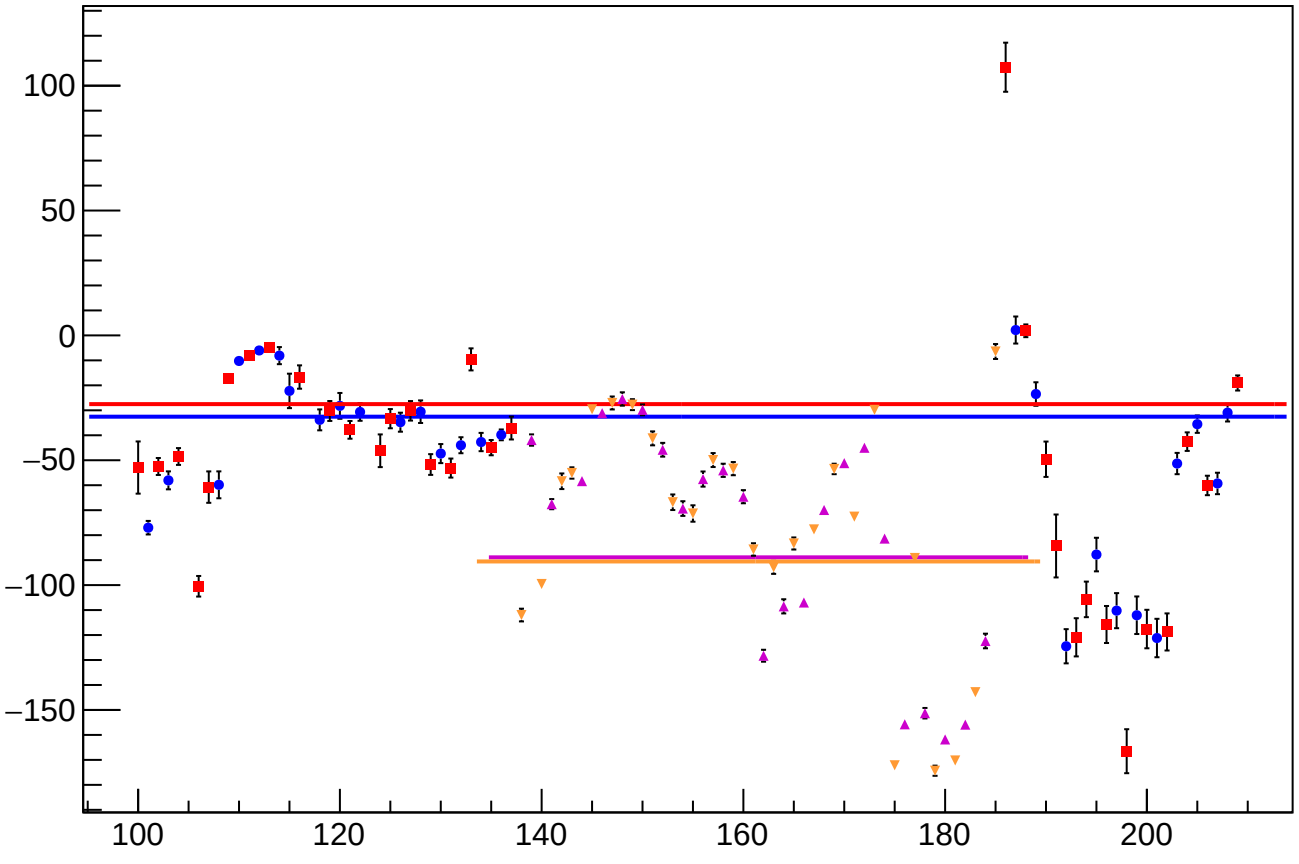
Left: 0.190+/-0.005 χ^2/NDF: 1584.4/47

Right: -0.440+/-0.019 χ^2/NDF: 2281.5/58

In: 0.160+/-0.006 χ^2/NDF:2178.6/49

Out: 0.150+/-0.006 χ^2/NDF:2684.5/56

All: 0.155+/-0.005 χ^2/NDF: 4864.3/106



Right In: -32.555+/-0.654 χ^2/NDF: 1652.6/26

Left Out: -90.534+/-0.421 χ^2/NDF:15358.6/24

Right Out: -27.520+/-0.596 χ^2/NDF: 2403.8/31

Left In: -88.888+/-0.435 χ^2/NDF:11815.7/22

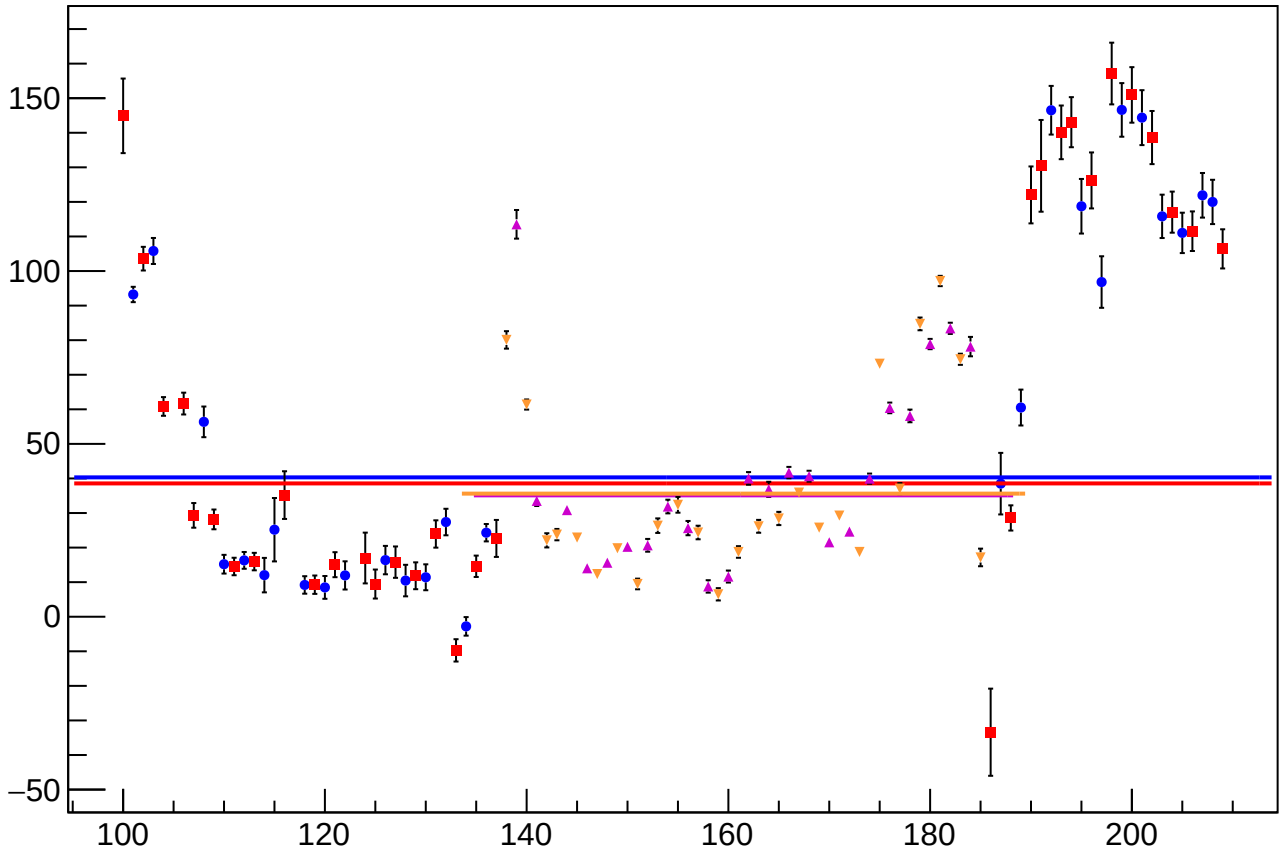
Left: -89.736+/-0.302 χ^2/NDF: 27181.7/47

Right: -29.804+/-0.440 χ^2/NDF: 4088.7/58

In: -71.637+/-0.362 χ^2/NDF:18615.7/49

Out: -69.533+/-0.344 χ^2/NDF:25218.7/56

All: -70.531+/-0.249 χ^2/NDF: 43852.1/106



Right In: 40.313+/-0.751 χ^2/NDF: 3206.3/26

Left Out: 35.612+/-0.326 χ^2/NDF:5973.0/24

Right Out: 38.563+/-0.733 χ^2/NDF: 3078.6/31

Left In: 35.112+/-0.336 χ^2/NDF:4144.4/22

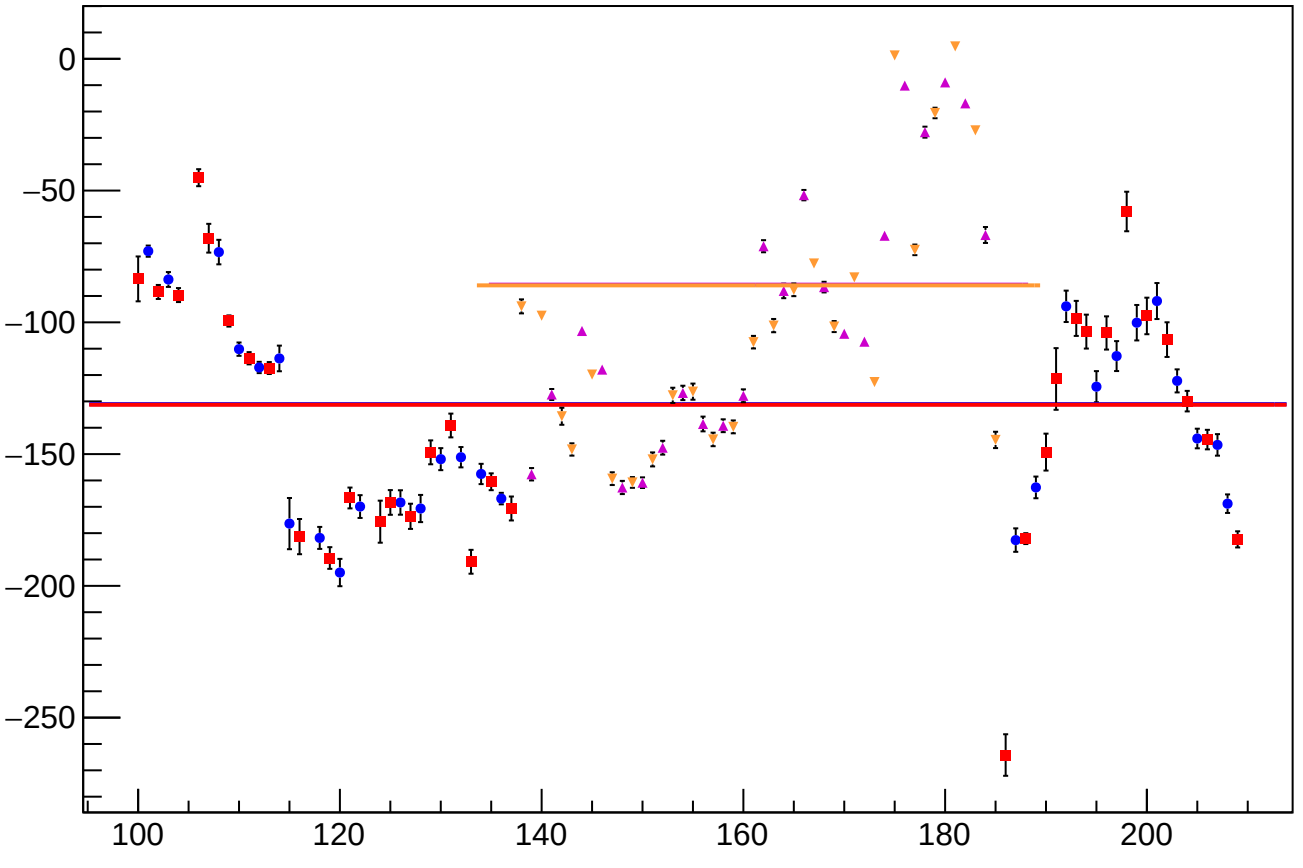
Left: 35.370+/-0.234 χ^2/NDF: 10118.6/47

Right: 39.417+/-0.524 χ^2/NDF: 6287.7/58

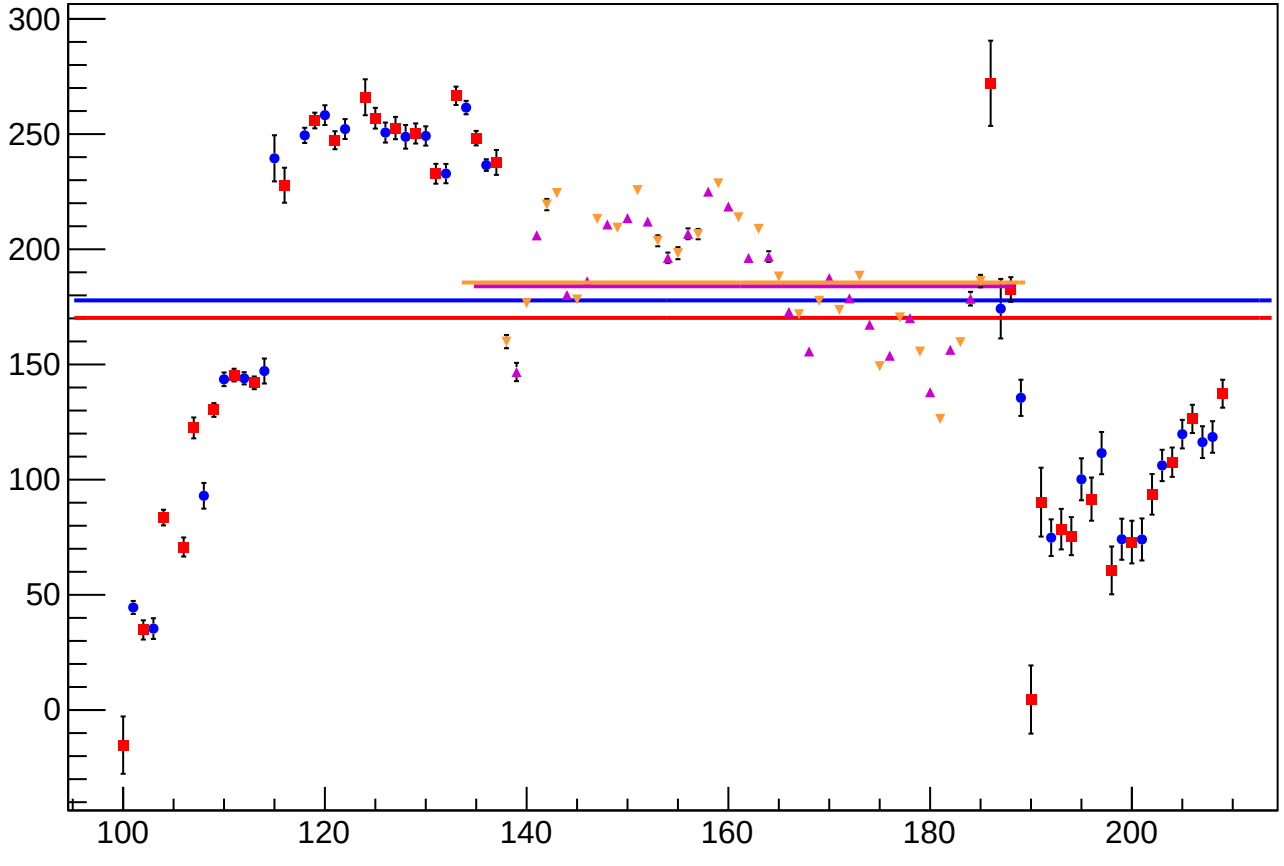
In: 35.981+/-0.307 χ^2/NDF:7390.7/49

Out: 36.099+/-0.298 χ^2/NDF:9065.2/56

All: 36.042+/-0.214 χ^2/NDF: 16456.0/106


reg_asym_sam4_diff_bpm4eX_slope vs Slug, Sign Corrected
0
−50
−100
−150
−200
−250
100
120
140
160
180
200
Right In: -131.044+/-0.714 χ²/NDF: 2643.2/26
Left Out: -85.969+/-0.421 χ²/NDF:16232.5/24
Right Out: -131.275+/-0.670 χ²/NDF: 3944.1/31
Left In: -85.705+/-0.432 χ²/NDF:13758.7/22
Left: -85.841+/-0.302 χ²/NDF: 29991.4/47
Right: -131.167+/-0.489 χ²/NDF: 6587.4/58
In: -97.867+/-0.370 χ²/NDF:19350.1/49
Out: -98.792+/-0.356 χ²/NDF:23457.4/56
All: -98.347+/-0.257 χ²/NDF: 42810.7/106

reg_asym_sam4_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 177.813+/-0.857 χ^2/NDF: 8182.6/26

Left Out: 185.583+/-0.367 χ^2/NDF:5354.7/24

Right Out: 170.224+/-0.842 χ^2/NDF: 7737.1/31

Left In: 183.940+/-0.378 χ^2/NDF:3873.5/22

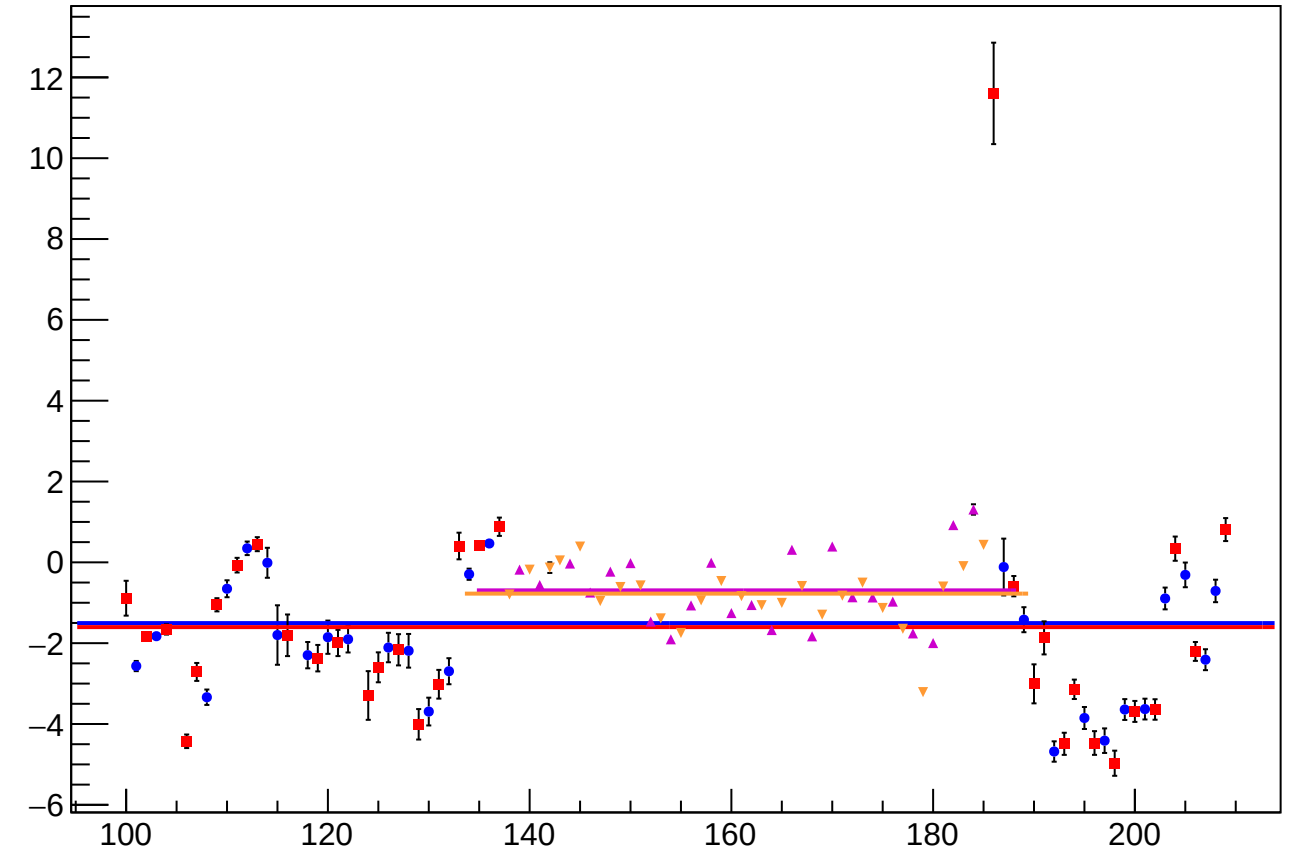
Left: 184.786+/-0.263 χ^2/NDF: 9238.0/47

Right: 173.953+/-0.600 χ^2/NDF: 15959.6/58

In: 182.943+/-0.346 χ^2/NDF:12099.0/49

Out: 183.134+/-0.336 χ^2/NDF:13371.5/56

All: 183.041+/-0.241 χ^2/NDF: 25470.7/106



Right In: -1.503+/-0.042 χ^2/NDF: 1350.3/26

Left Out: -0.774+/-0.016 χ^2/NDF:1822.9/24

Right Out: -1.603+/-0.041 χ^2/NDF: 1792.7/31

Left In: -0.694+/-0.017 χ^2/NDF:2565.3/22

Left: -0.735+/-0.012 χ^2/NDF: 4399.9/47

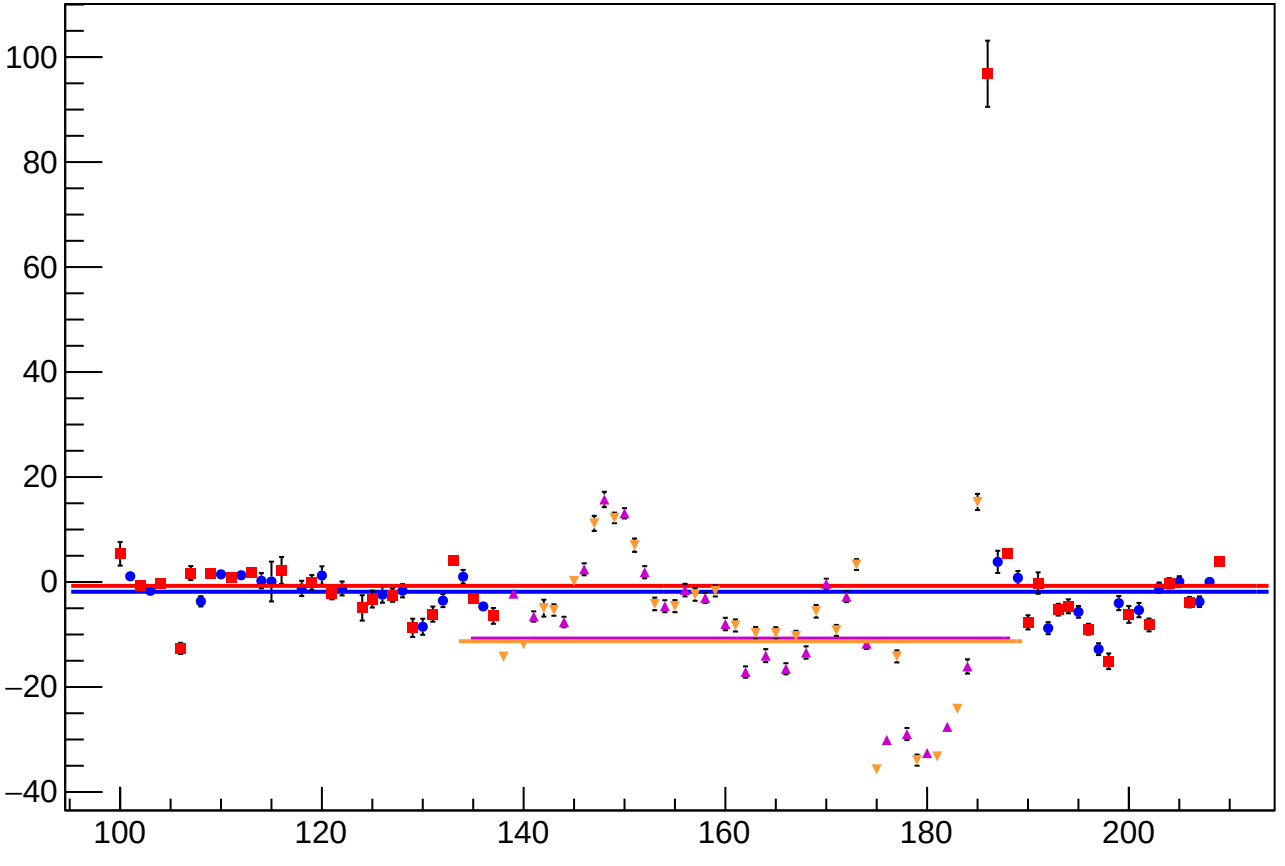
Right: -1.554+/-0.029 χ^2/NDF: 3145.9/58

In: -0.805+/-0.016 χ^2/NDF:4237.0/49

Out: -0.889+/-0.015 χ^2/NDF:3968.0/56

All: -0.848+/-0.011 χ^2/NDF: 8219.7/106

reg_asym_sam5_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -1.857+/-0.203 χ^2/NDF: 291.4/26

Left Out: -11.283+/-0.208 χ^2/NDF:4500.3/24

Right Out: -0.733+/-0.180 χ^2/NDF: 926.6/31

Left In: -10.776+/-0.213 χ^2/NDF:3699.2/22

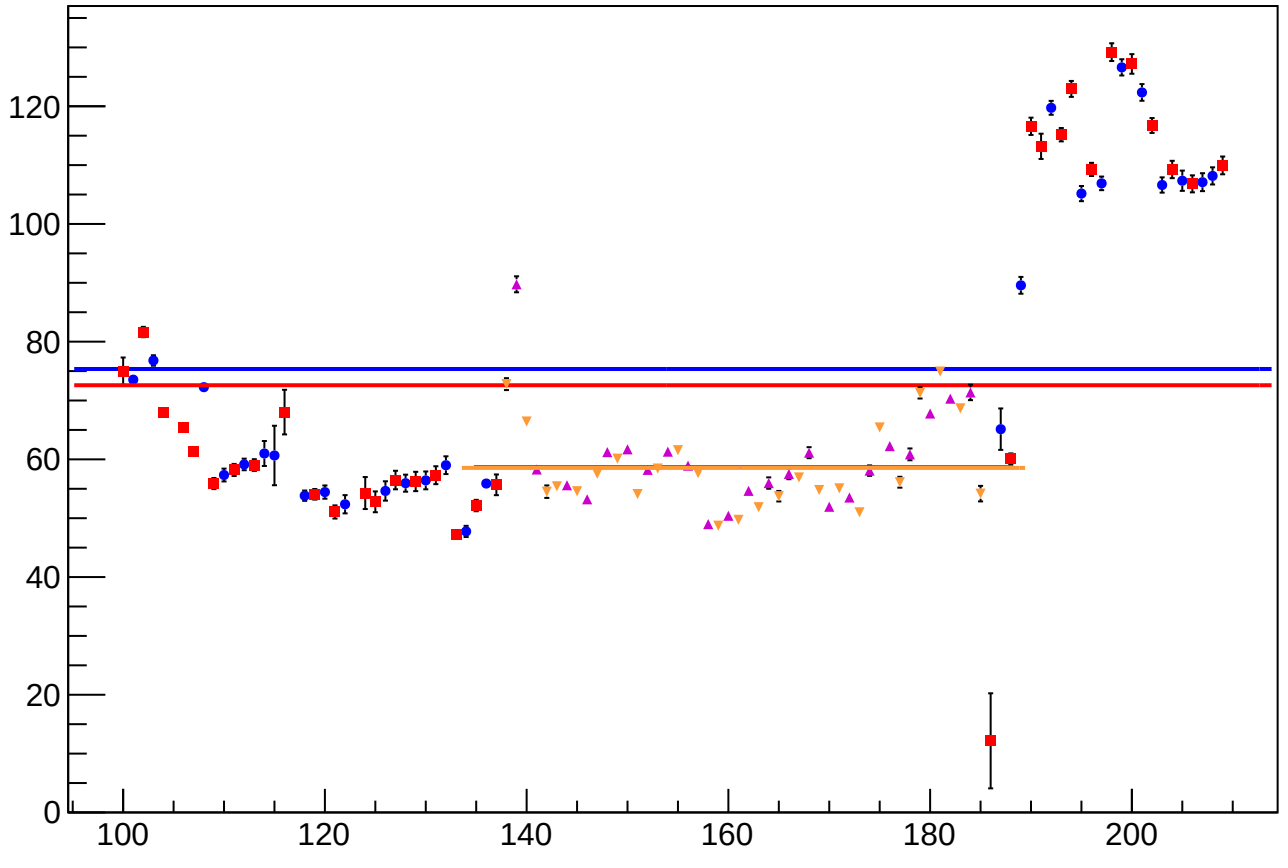
Left: -11.036+/-0.149 χ^2/NDF: 8202.4/47

Right: -1.227+/-0.135 χ^2/NDF: 1235.1/58

In: -6.105+/-0.147 χ^2/NDF:4905.7/49

Out: -5.253+/-0.136 χ^2/NDF:6897.8/56

All: -5.646+/-0.100 χ^2/NDF: 11821.5/106



Right In: 75.356+/-0.225 χ^2/NDF: 10943.4/26

Left Out: 58.550+/-0.161 χ^2/NDF:1902.5/24

Right Out: 72.594+/-0.206 χ^2/NDF: 15274.5/31

Left In: 58.679+/-0.168 χ^2/NDF:1613.4/22

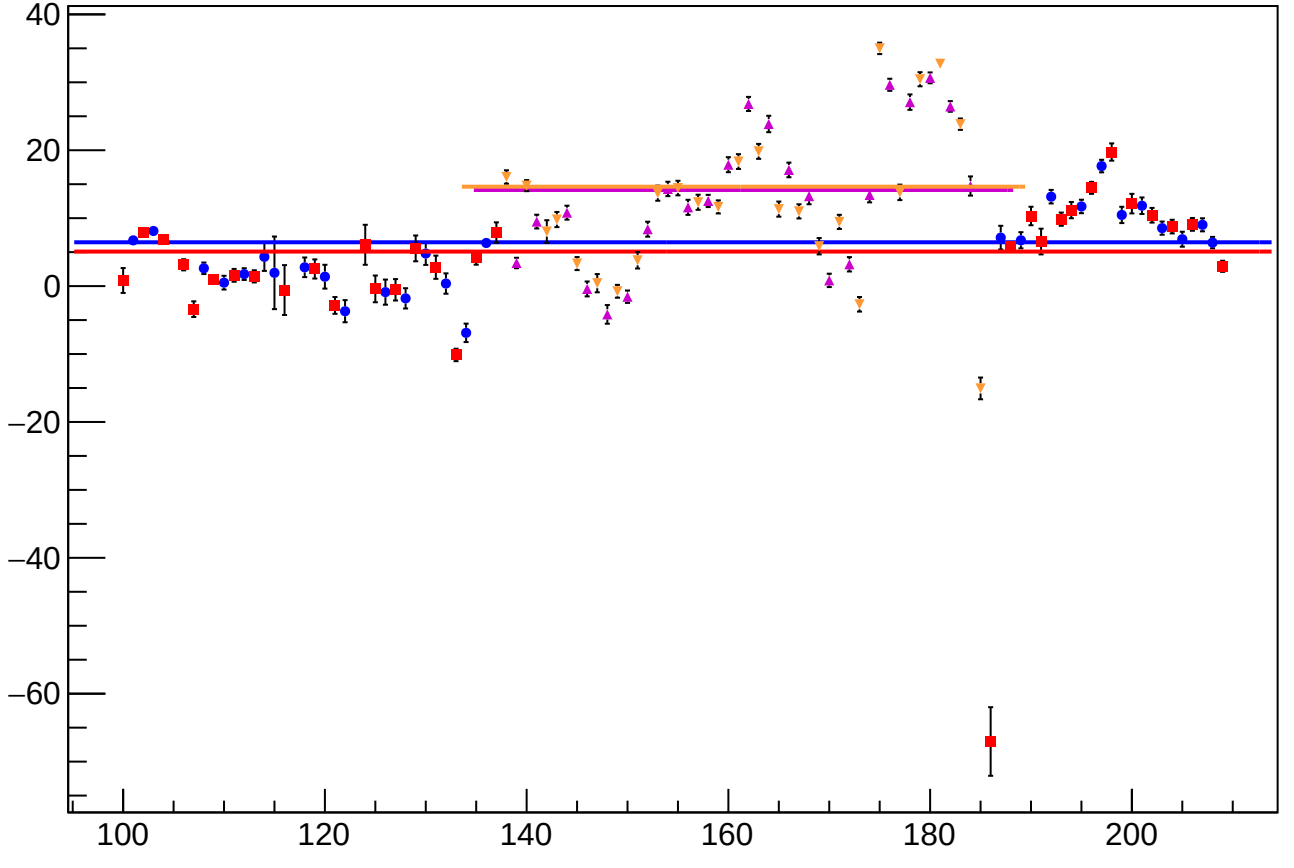
Left: 58.612+/-0.116 χ^2/NDF: 3516.3/47

Right: 73.851+/-0.152 χ^2/NDF: 26299.7/58

In: 64.654+/-0.135 χ^2/NDF:16071.7/49

Out: 63.886+/-0.127 χ^2/NDF:20062.3/56

All: 64.247+/-0.092 χ^2/NDF: 36151.2/106



Right In: 6.452+/-0.203 χ^2/NDF: 569.5/26

Left Out: 14.634+/-0.207 χ^2/NDF:2962.1/24

Right Out: 5.082+/-0.183 χ^2/NDF: 1107.5/31

Left In: 14.146+/-0.211 χ^2/NDF:2541.2/22

Left: 14.395+/-0.148 χ^2/NDF: 5506.0/47

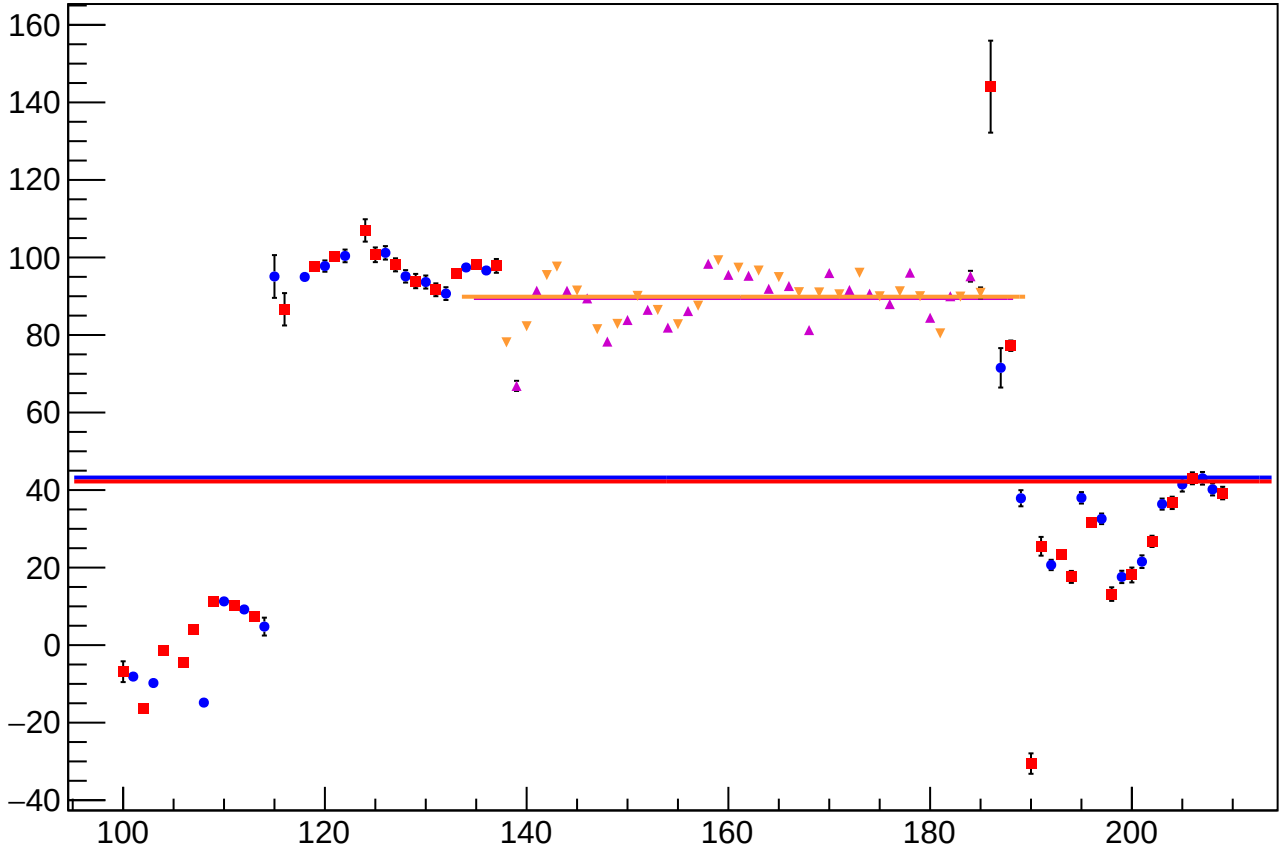
Right: 5.694+/-0.136 χ^2/NDF: 1702.1/58

In: 10.154+/-0.147 χ^2/NDF:3798.9/49

Out: 9.276+/-0.137 χ^2/NDF:5267.5/56

All: 9.685+/-0.100 χ^2/NDF: 9085.5/106

reg_asym_sam5_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 43.227+/-0.261 χ^2/NDF: 27935.9/26

Left Out: 89.875+/-0.181 χ^2/NDF:1065.4/24

Right Out: 42.217+/-0.242 χ^2/NDF: 31740.8/31

Left In: 89.541+/-0.188 χ^2/NDF:1095.3/22

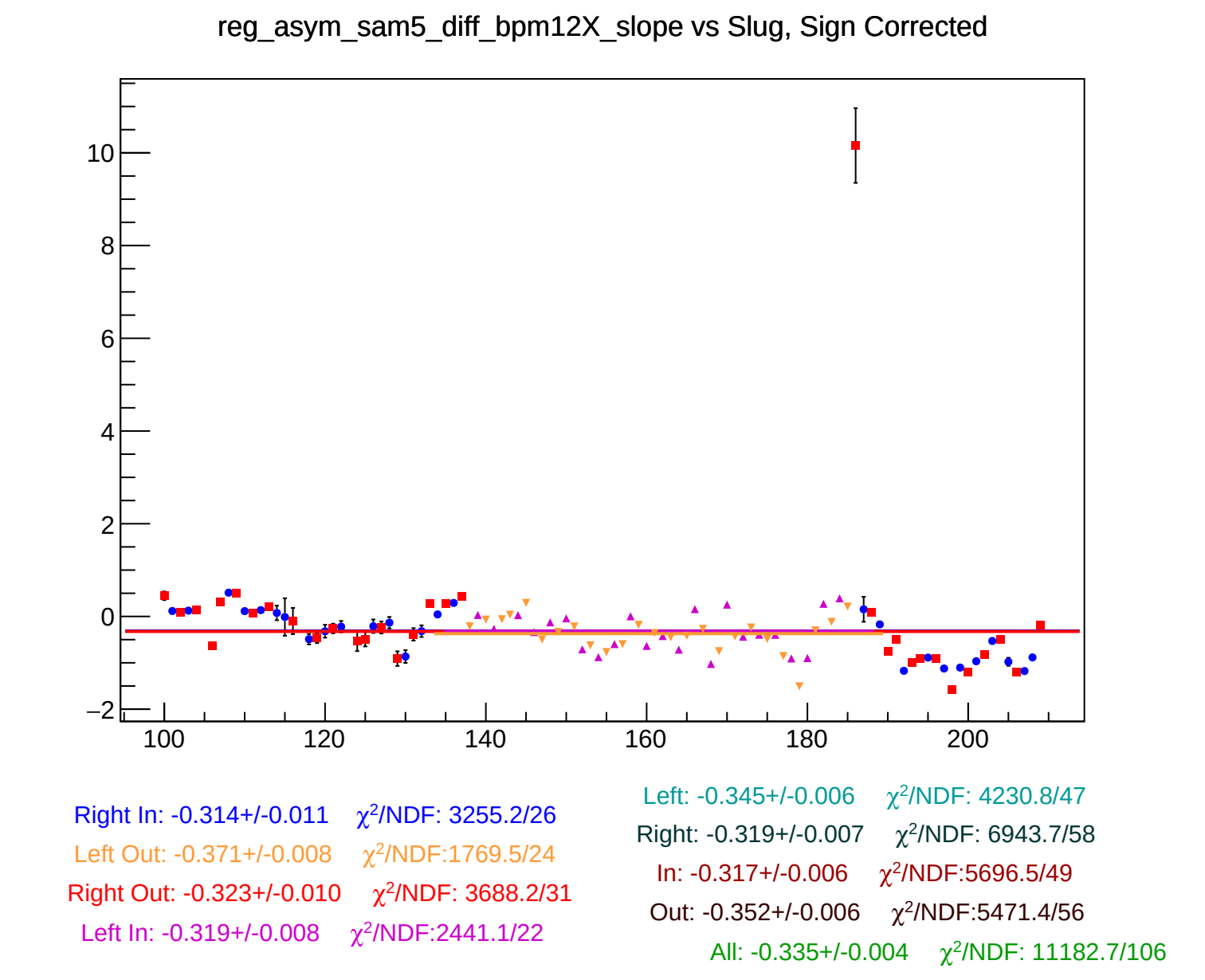
Left: 89.714+/-0.130 χ^2/NDF: 2162.3/47

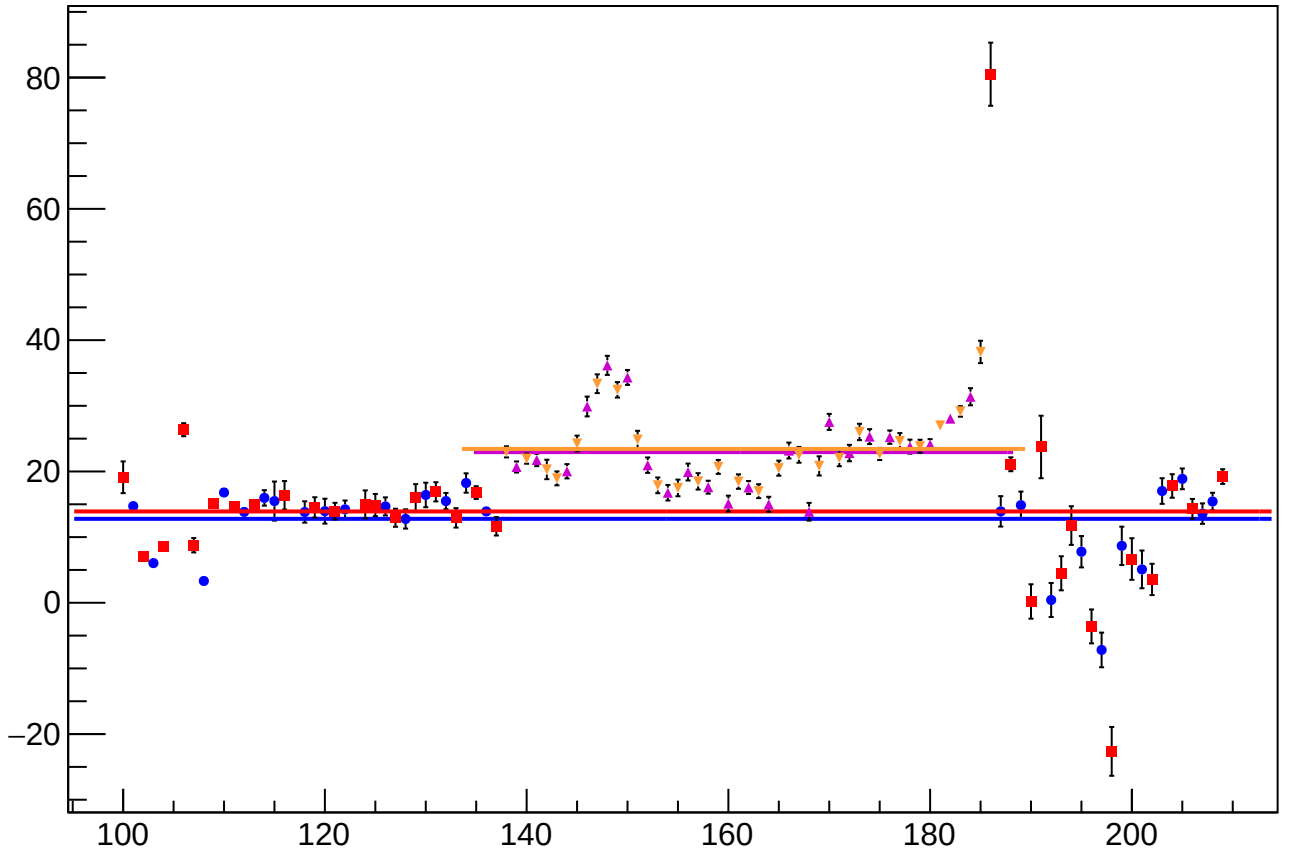
Right: 42.684+/-0.177 χ^2/NDF: 59684.8/58

In: 73.751+/-0.152 χ^2/NDF:49826.3/49

Out: 72.740+/-0.145 χ^2/NDF:57726.0/56

All: 73.220+/-0.105 χ^2/NDF: 107575.4/106


reg_asym_sam5_diff_bpm12X_slope vs Slug, Sign Corrected
10
8
6
4
2
0
−2
100
120
140
160
180
200
Right In: -0.314+/-0.011 χ2/NDF: 3255.2/26
Left Out: -0.371+/-0.008 χ2/NDF:1769.5/24
Right Out: -0.323+/-0.010 χ2/NDF: 3688.2/31
Left In: -0.319+/-0.008 χ2/NDF:2441.1/22
Left: -0.345+/-0.006 χ2/NDF: 4230.8/47
Right: -0.319+/-0.007 χ2/NDF: 6943.7/58
In: -0.317+/-0.006 χ2/NDF:5696.5/49
Out: -0.352+/-0.006 χ2/NDF:5471.4/56
All: -0.335+/-0.004 χ2/NDF: 11182.7/106



Right In: 12.785+/-0.202 χ^2/NDF: 506.6/26

Left Out: 23.431+/-0.216 χ^2/NDF:427.8/24

Right Out: 13.912+/-0.191 χ^2/NDF: 881.9/31

Left In: 22.949+/-0.225 χ^2/NDF:565.2/22

Left: 23.201+/-0.156 χ^2/NDF: 995.5/47

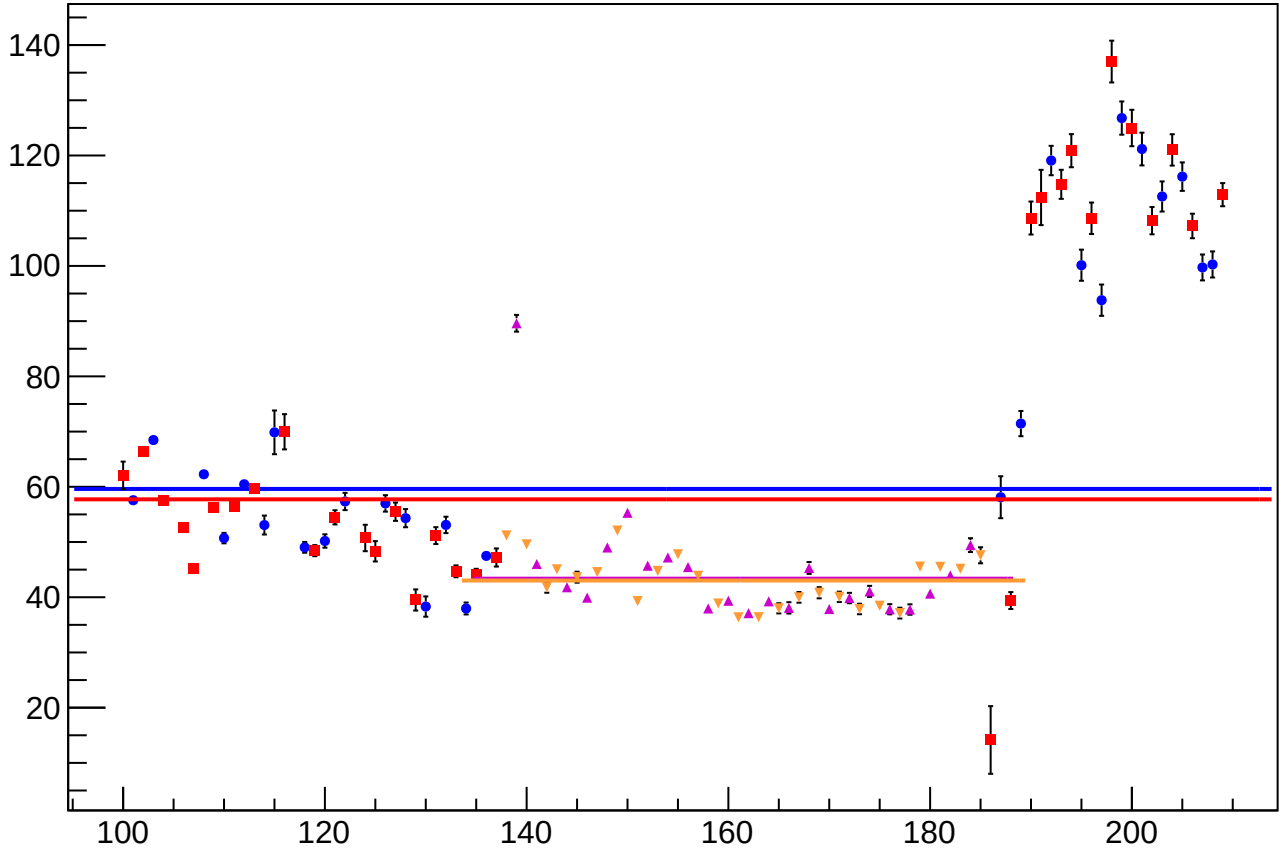
Right: 13.379+/-0.139 χ^2/NDF: 1404.9/58

In: 17.304+/-0.150 χ^2/NDF:2201.5/49

Out: 18.091+/-0.143 χ^2/NDF:2400.9/56

All: 17.717+/-0.104 χ^2/NDF: 4616.7/106

reg_asym_sam6_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 59.613+/-0.214 χ^2/NDF: 4546.9/26

Left Out: 43.029+/-0.167 χ^2/NDF:780.7/24

Right Out: 57.729+/-0.215 χ^2/NDF: 6055.0/31

Left In: 43.361+/-0.177 χ^2/NDF:1683.3/22

Left: 43.186+/-0.122 χ^2/NDF: 2465.8/47

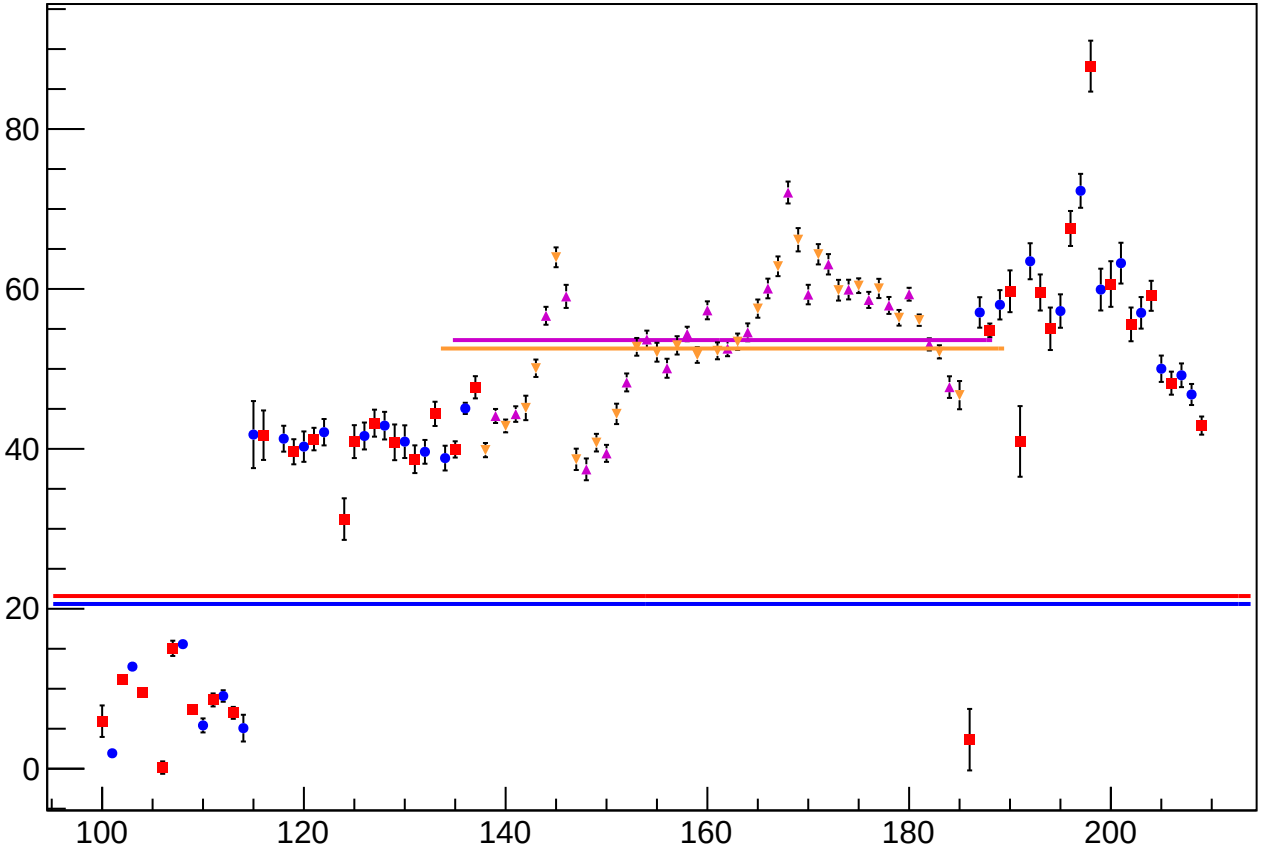
Right: 58.675+/-0.152 χ^2/NDF: 10640.5/58

In: 49.967+/-0.136 χ^2/NDF:9654.9/49

Out: 48.583+/-0.132 χ^2/NDF:9753.1/56

All: 49.252+/-0.095 χ^2/NDF: 19461.2/106

reg_asym_sam6_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 20.601+/-0.200 χ^2/NDF: 9707.5/26

Left Out: 52.550+/-0.215 χ^2/NDF:1186.2/24

Right Out: 21.594+/-0.200 χ^2/NDF: 9327.2/31

Left In: 53.605+/-0.223 χ^2/NDF:1015.9/22

Left: 53.057+/-0.155 χ^2/NDF: 2213.7/47

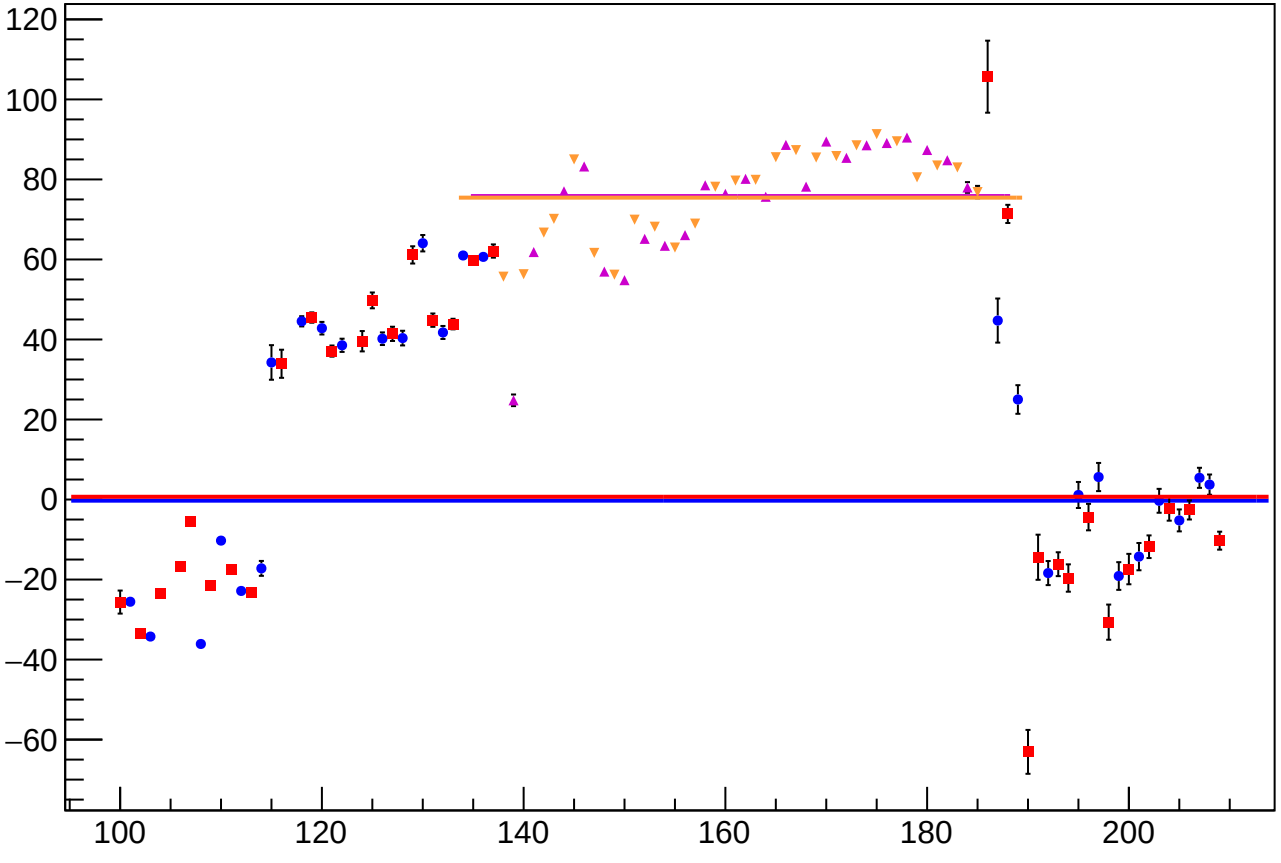
Right: 21.097+/-0.141 χ^2/NDF: 19047.1/58

In: 35.316+/-0.149 χ^2/NDF:22872.0/49

Out: 35.986+/-0.146 χ^2/NDF:21649.5/56

All: 35.657+/-0.104 χ^2/NDF: 44531.7/106

reg_asym_sam6_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -0.284+/-0.252 χ^2/NDF: 21244.1/26

Left Out: 75.448+/-0.188 χ^2/NDF:3469.1/24

Right Out: 0.688+/-0.253 χ^2/NDF: 17464.8/31

Left In: 75.844+/-0.197 χ^2/NDF:4265.6/22

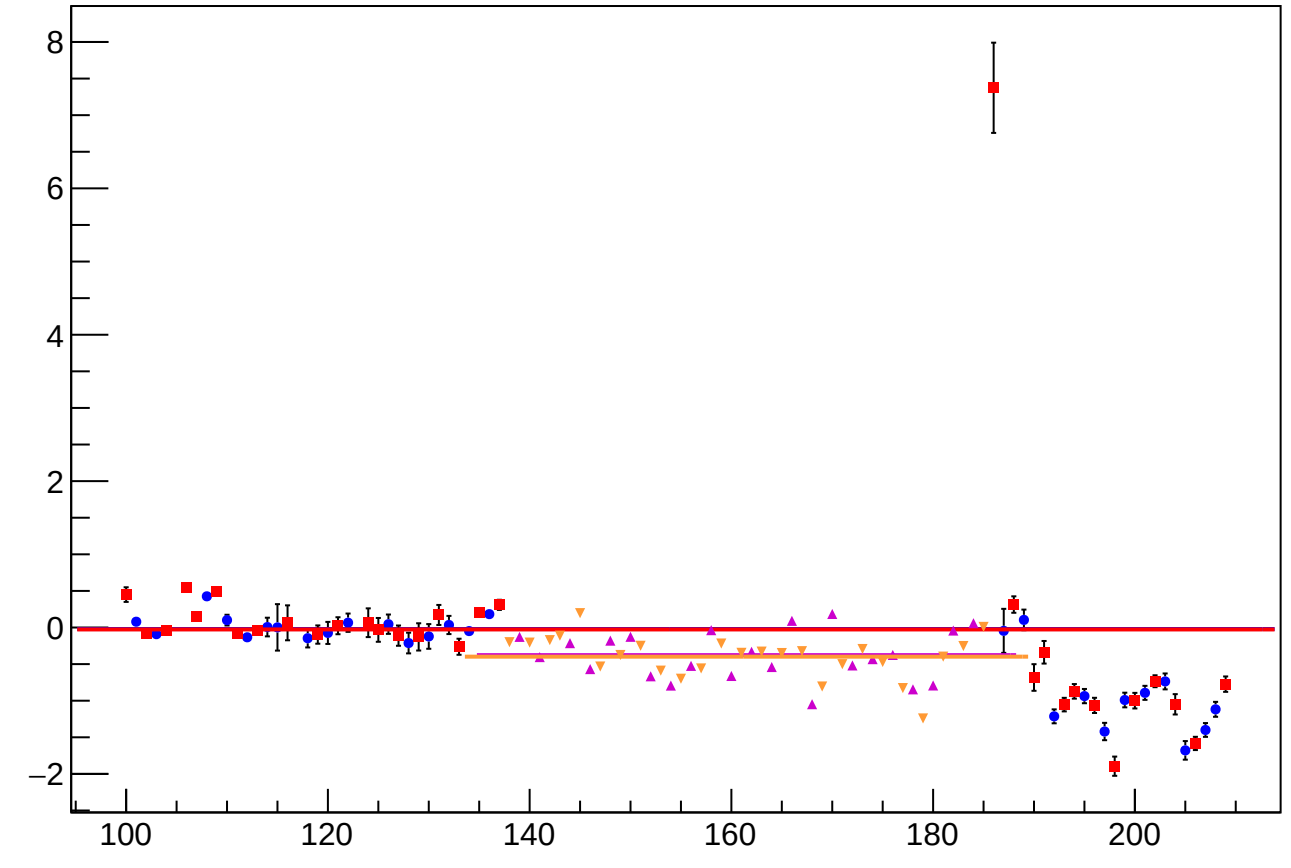
Left: 75.637+/-0.136 χ^2/NDF: 7736.7/47

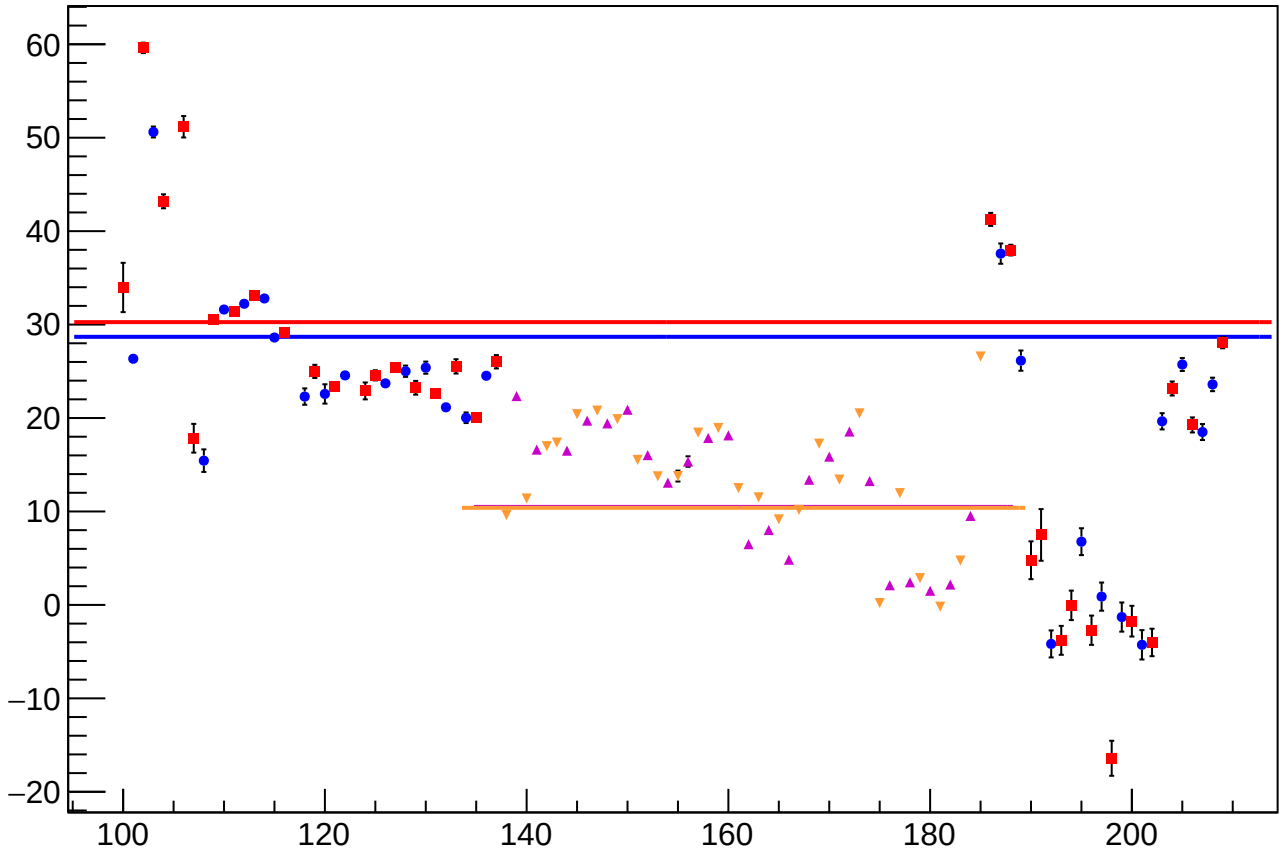
Right: 0.201+/-0.178 χ^2/NDF: 38716.3/58

In: 46.904+/-0.155 χ^2/NDF:82130.6/49

Out: 48.728+/-0.151 χ^2/NDF:77247.4/56

All: 47.842+/-0.108 χ^2/NDF: 159448.9/106


reg_asym_sam6_diff_bpm12X_slope vs Slug, Sign Corrected
8
6
4
2
0
−2
100
120
140
160
180
200
Right In: -0.021+/-0.011 χ²/NDF: 1515.2/26
Left Out: -0.398+/-0.008 χ²/NDF:1031.5/24
Right Out: -0.026+/-0.011 χ²/NDF: 1732.3/31
Left In: -0.378+/-0.009 χ²/NDF:1351.5/22
Left: -0.388+/-0.006 χ²/NDF: 2386.0/47
Right: -0.024+/-0.008 χ²/NDF: 3247.7/58
In: -0.237+/-0.007 χ²/NDF:3547.7/49
Out: -0.256+/-0.007 χ²/NDF:3510.7/56
All: -0.246+/-0.005 χ²/NDF: 7062.7/106



Right In: 28.690+/-0.088 χ^2/NDF: 5748.6/26

Left Out: 10.390+/-0.064 χ^2/NDF:13792.8/24

Right Out: 30.263+/-0.077 χ^2/NDF: 8904.2/31

Left In: 10.488+/-0.067 χ^2/NDF:11498.1/22

Left: 10.437+/-0.046 χ^2/NDF: 25292.1/47

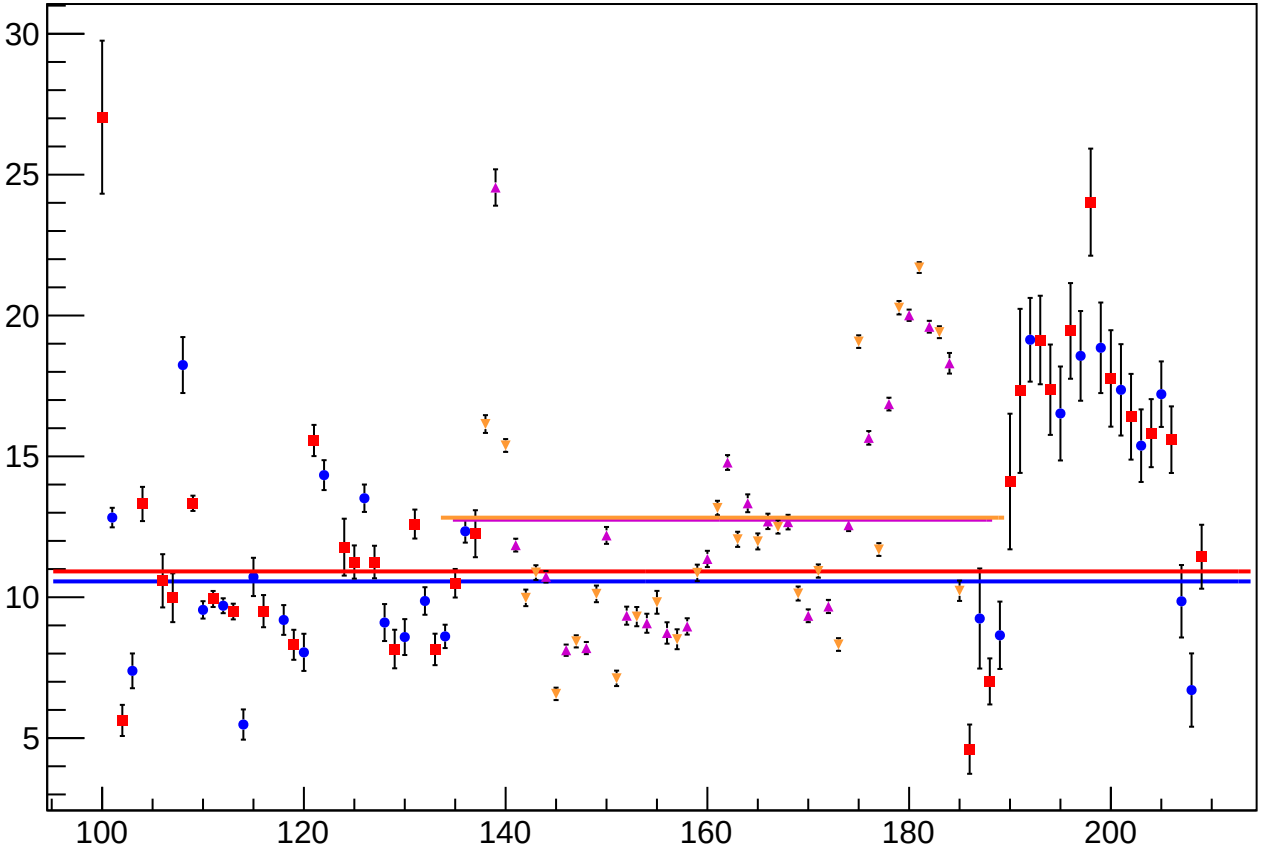
Right: 29.584+/-0.058 χ^2/NDF: 14833.7/58

In: 17.132+/-0.053 χ^2/NDF:44361.1/49

Out: 18.553+/-0.049 χ^2/NDF:62148.8/56

All: 17.898+/-0.036 χ^2/NDF: 106894.3/106

reg_asym_sam7_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 10.562+/-0.110 χ^2/NDF: 581.4/26

Left Out: 12.825+/-0.051 χ^2/NDF:8016.5/24

Right Out: 10.917+/-0.108 χ^2/NDF: 676.7/31

Left In: 12.752+/-0.053 χ^2/NDF:5502.5/22

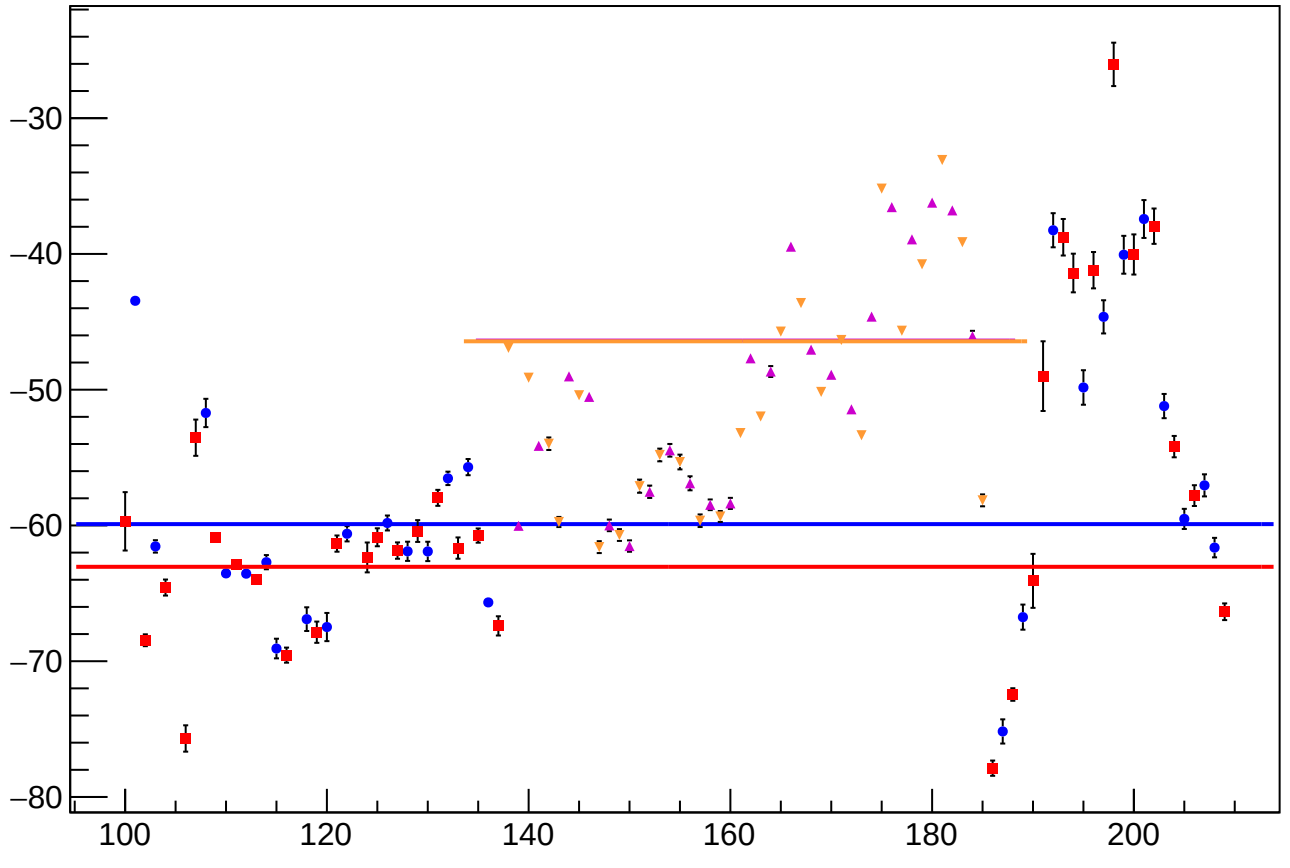
Left: 12.790+/-0.037 χ^2/NDF: 13520.0/47

Right: 10.743+/-0.077 χ^2/NDF: 1263.4/58

In: 12.341+/-0.048 χ^2/NDF:6405.5/49

Out: 12.476+/-0.046 χ^2/NDF:8948.7/56

All: 12.411+/-0.033 χ^2/NDF: 15358.3/106



Right In: -59.902+/-0.105 χ^2/NDF: 5054.3/26

Left Out: -46.435+/-0.064 χ^2/NDF:18170.4/24

Right Out: -63.046+/-0.098 χ^2/NDF: 4160.8/31

Left In: -46.383+/-0.067 χ^2/NDF:15080.6/22

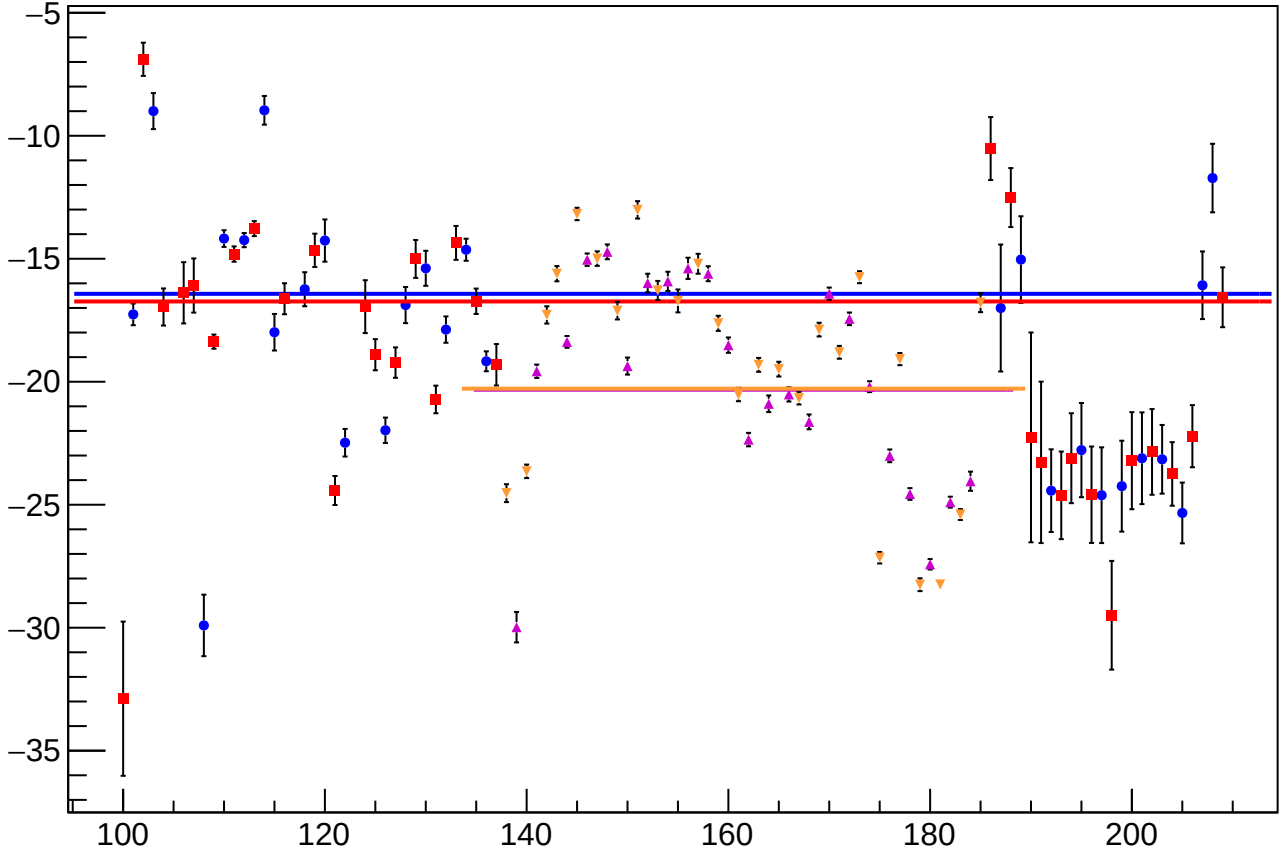
Left: -46.410+/-0.046 χ^2/NDF: 33251.4/47

Right: -61.587+/-0.072 χ^2/NDF: 9693.1/58

In: -50.263+/-0.056 χ^2/NDF:31889.8/49

Out: -51.450+/-0.054 χ^2/NDF:42402.1/56

All: -50.884+/-0.039 χ^2/NDF: 74523.8/106



Right In: -16.426+/-0.123 χ^2/NDF: 971.4/26

Left Out: -20.281+/-0.057 χ^2/NDF:7019.5/24

Right Out: -16.736+/-0.120 χ^2/NDF: 882.0/31

Left In: -20.324+/-0.059 χ^2/NDF:4272.7/22

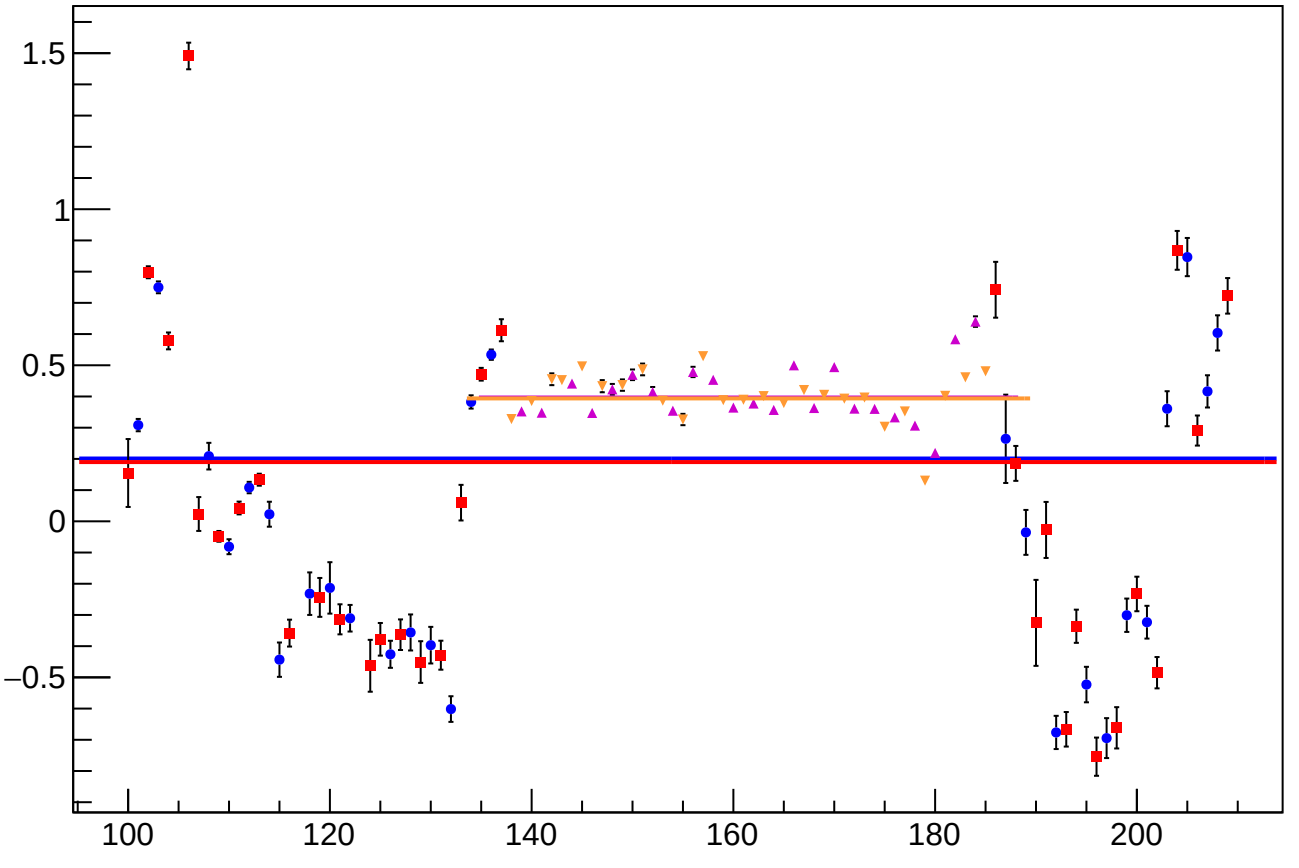
Left: -20.302+/-0.041 χ^2/NDF: 11292.4/47

Right: -16.585+/-0.086 χ^2/NDF: 1856.7/58

In: -19.594+/-0.053 χ^2/NDF:6059.2/49

Out: -19.627+/-0.052 χ^2/NDF:8612.9/56

All: -19.612+/-0.037 χ^2/NDF: 14672.3/106



Right In: 0.201+/-0.007 χ^2/NDF: 3676.4/26

Left Out: 0.394+/-0.003 χ^2/NDF:946.9/24

Right Out: 0.190+/-0.007 χ^2/NDF: 4885.8/31

Left In: 0.397+/-0.003 χ^2/NDF:1295.7/22

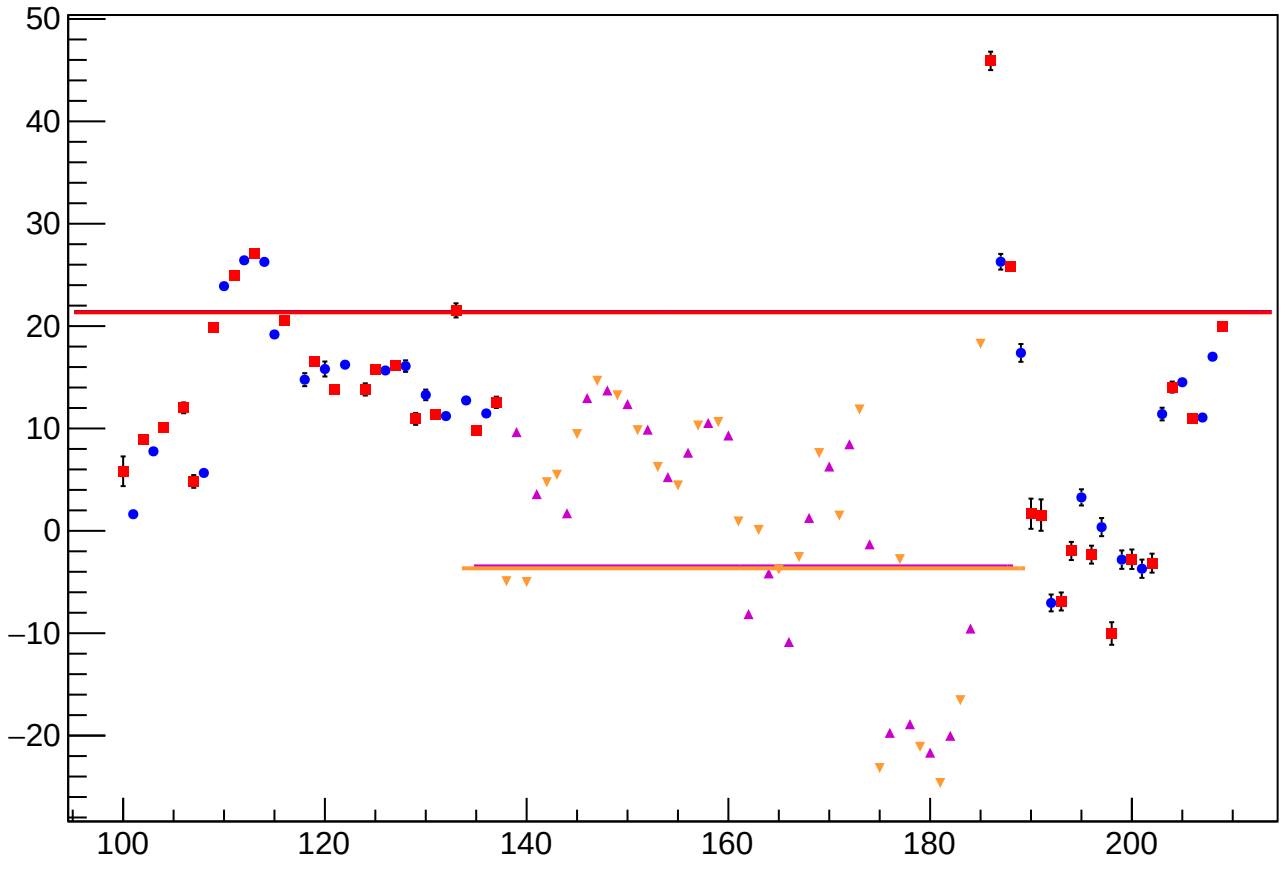
Left: 0.395+/-0.002 χ^2/NDF: 2243.2/47

Right: 0.196+/-0.005 χ^2/NDF: 8563.7/58

In: 0.370+/-0.002 χ^2/NDF:5735.2/49

Out: 0.367+/-0.002 χ^2/NDF:6676.3/56

All: 0.368+/-0.002 χ^2/NDF: 12412.3/106



Right In: 21.379+/-0.054 χ^2/NDF: 17690.8/26

Left Out: -3.660+/-0.055 χ^2/NDF:56739.4/24

Right Out: 21.346+/-0.045 χ^2/NDF: 17467.0/31

Left In: -3.475+/-0.057 χ^2/NDF:45103.9/22

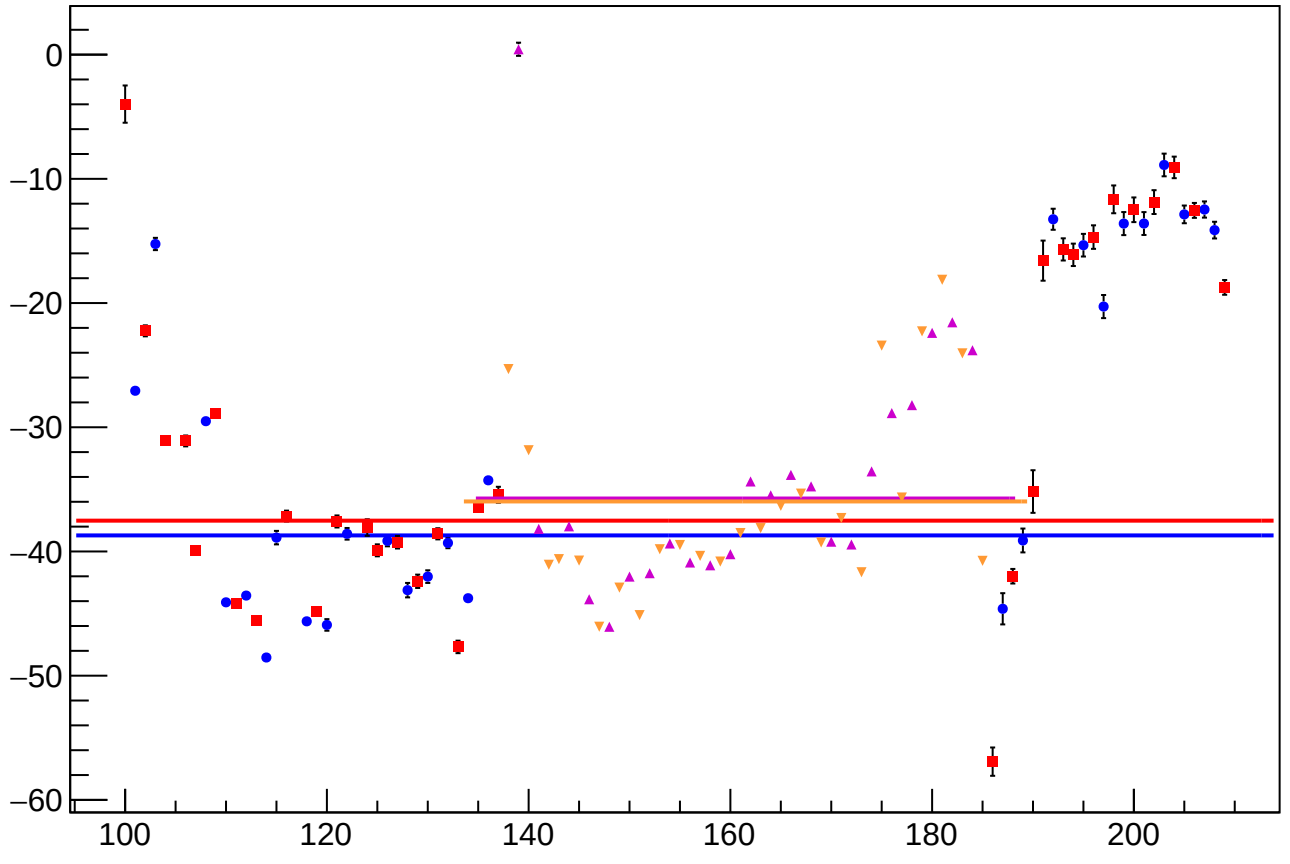
Left: -3.573+/-0.040 χ^2/NDF: 101848.8/47

Right: 21.360+/-0.034 χ^2/NDF: 35158.1/58

In: 9.710+/-0.039 χ^2/NDF:162207.1/49

Out: 11.306+/-0.035 χ^2/NDF:200034.5/56

All: 10.611+/-0.026 χ^2/NDF: 363170.8/106



Right In: -38.707+/-0.073 χ^2/NDF: 17250.1/26

Left Out: -35.973+/-0.042 χ^2/NDF:33609.3/24

Right Out: -37.519+/-0.068 χ^2/NDF: 18491.2/31

Left In: -35.737+/-0.045 χ^2/NDF:27154.8/22

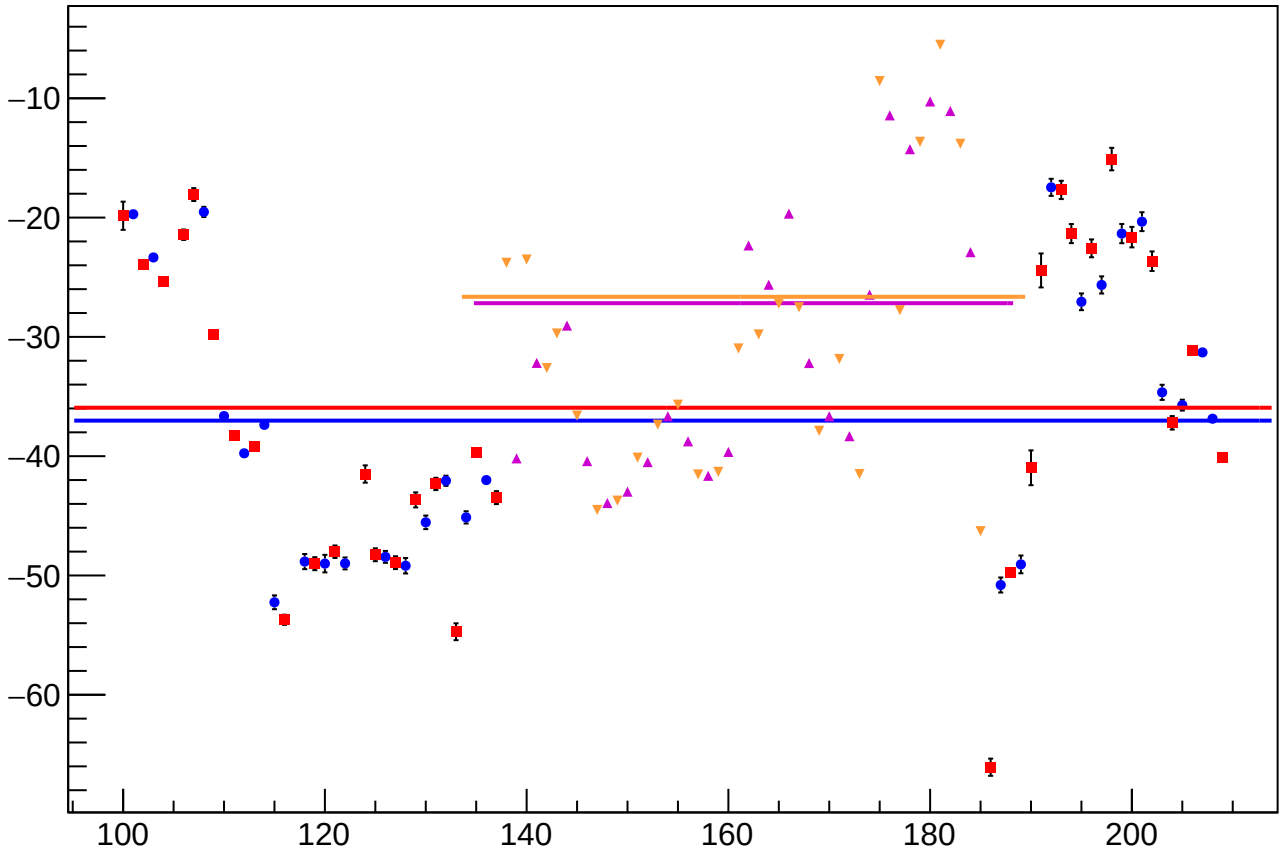
Left: -35.862+/-0.031 χ^2/NDF: 60778.7/47

Right: -38.070+/-0.050 χ^2/NDF: 35882.5/58

In: -36.550+/-0.038 χ^2/NDF:45599.8/49

Out: -36.406+/-0.036 χ^2/NDF:52472.4/56

All: -36.473+/-0.026 χ^2/NDF: 98079.6/106



Right In: -37.020+/-0.068 χ^2/NDF: 13908.9/26

Left Out: -26.639+/-0.055 χ^2/NDF:50051.9/24

Right Out: -35.939+/-0.060 χ^2/NDF: 19387.0/31

Left In: -27.176+/-0.057 χ^2/NDF:40990.1/22

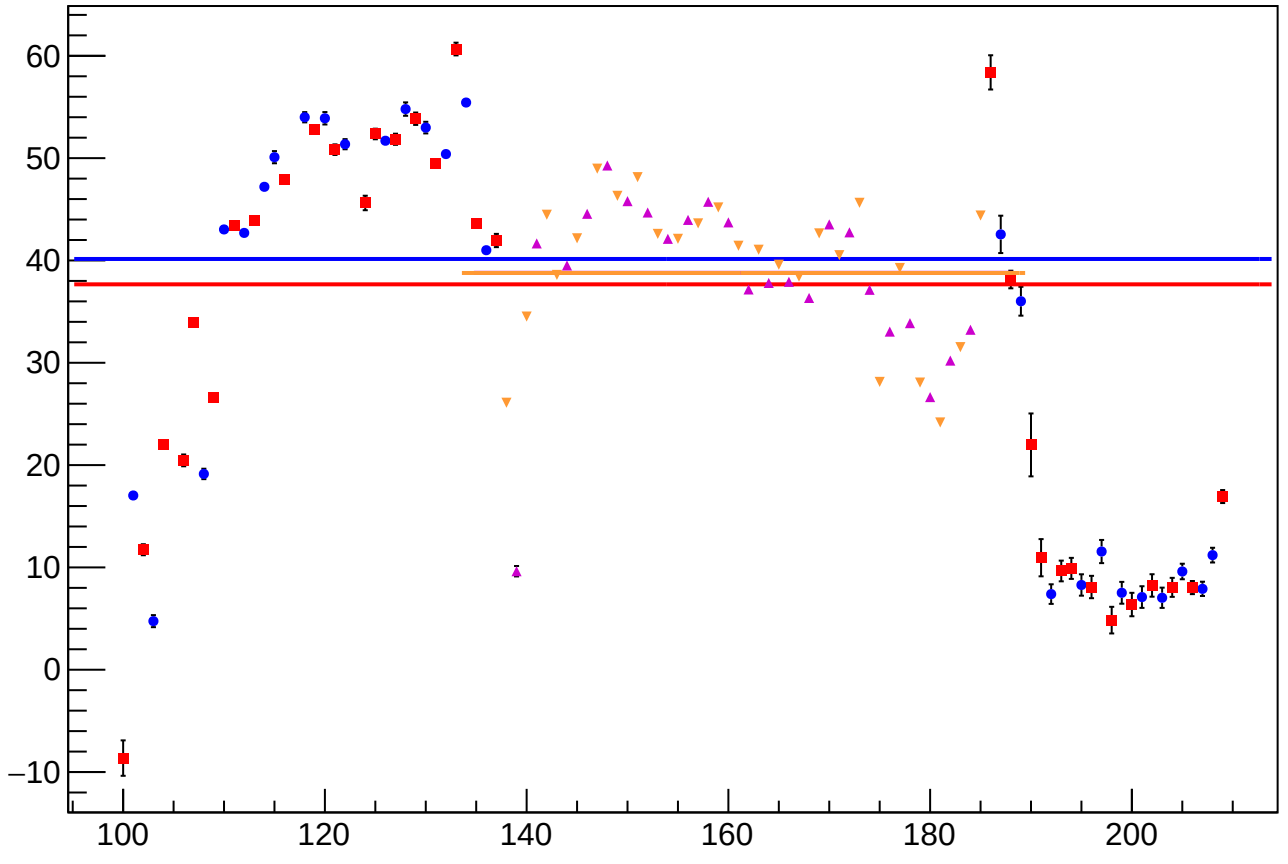
Left: -26.895+/-0.039 χ^2/NDF: 91088.1/47

Right: -36.409+/-0.045 χ^2/NDF: 33439.6/58

In: -31.272+/-0.044 χ^2/NDF:67212.6/49

Out: -30.887+/-0.040 χ^2/NDF:82696.1/56

All: -31.063+/-0.030 χ^2/NDF: 149950.9/106



Right In: 40.145+/-0.082 χ^2/NDF: 26828.0/26

Left Out: 38.777+/-0.048 χ^2/NDF:21070.6/24

Right Out: 37.666+/-0.075 χ^2/NDF: 27490.9/31

Left In: 38.791+/-0.050 χ^2/NDF:16240.7/22

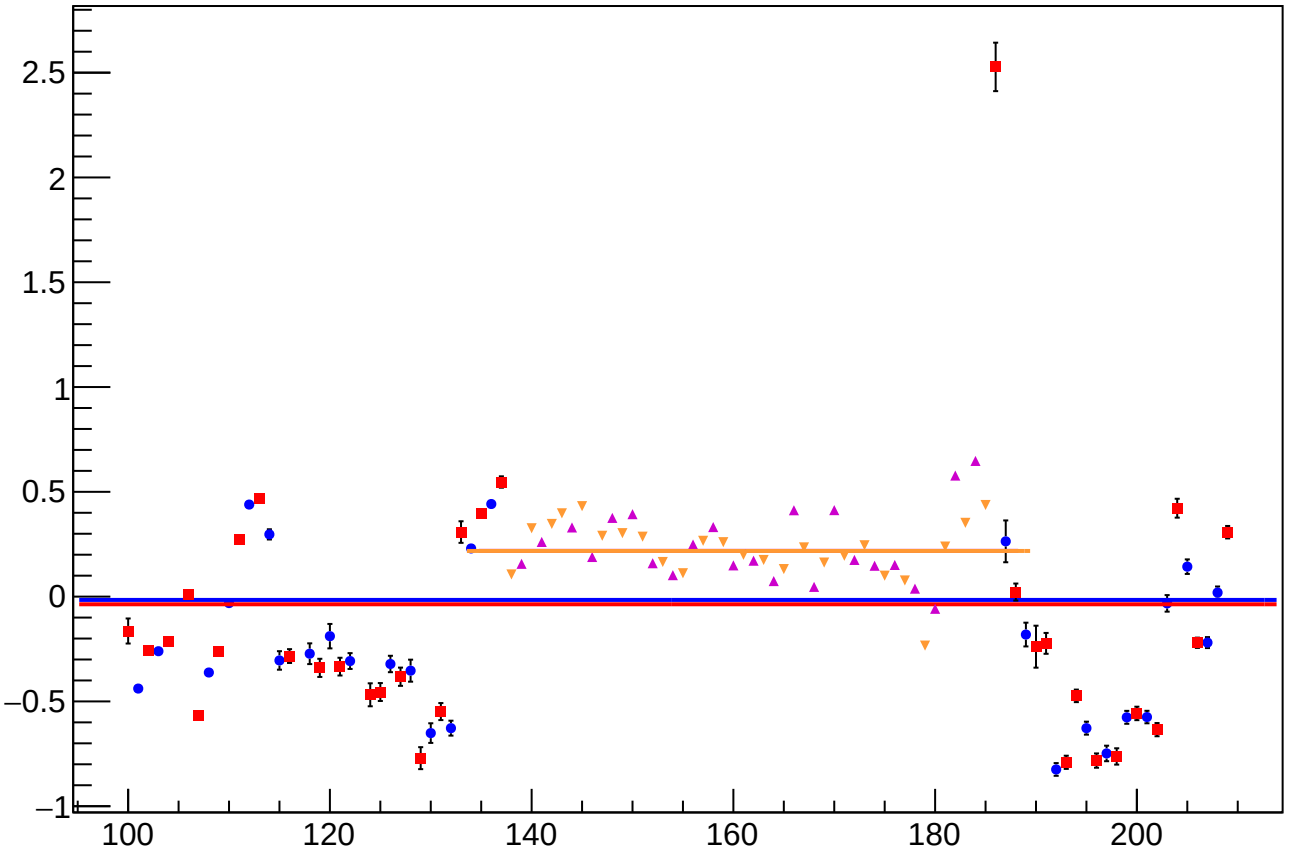
Left: 38.784+/-0.035 χ^2/NDF: 37311.3/47

Right: 38.806+/-0.055 χ^2/NDF: 54818.1/58

In: 39.163+/-0.043 χ^2/NDF:43268.6/49

Out: 38.459+/-0.040 χ^2/NDF:48717.1/56

All: 38.790+/-0.029 χ^2/NDF: 92129.5/106



Right In: -0.016+/-0.004 χ^2/NDF: 8046.8/26

Left Out: 0.218+/-0.002 χ^2/NDF:4075.0/24

Right Out: -0.037+/-0.004 χ^2/NDF: 9623.8/31

Left In: 0.218+/-0.002 χ^2/NDF:5312.2/22

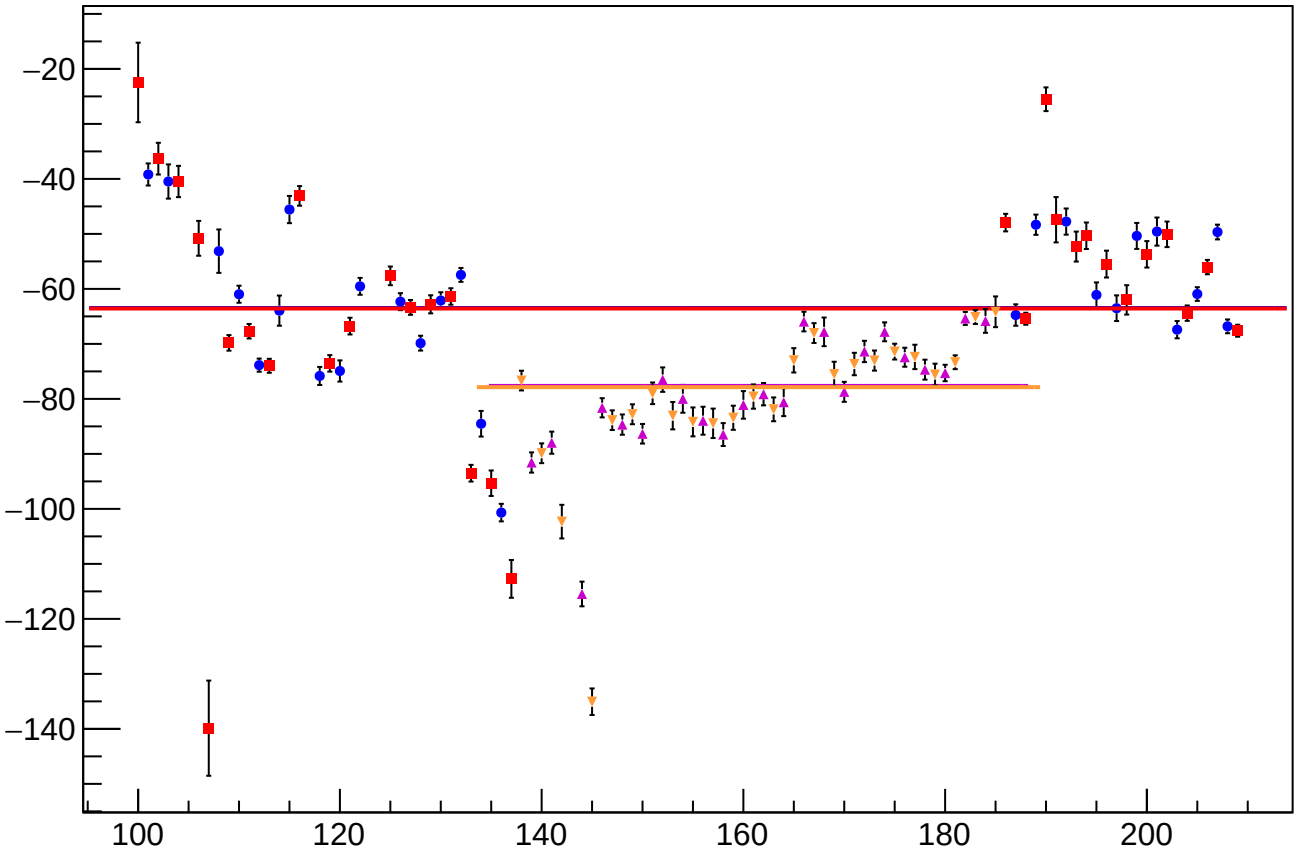
Left: 0.218+/-0.002 χ^2/NDF: 9387.2/47

Right: -0.027+/-0.003 χ^2/NDF: 17682.8/58

In: 0.170+/-0.002 χ^2/NDF:15629.5/49

Out: 0.161+/-0.002 χ^2/NDF:16822.5/56

All: 0.165+/-0.001 χ^2/NDF: 32462.3/106



Right In: -63.477+/-0.330 χ^2/NDF: 1404.7/26

Left Out: -77.867+/-0.394 χ^2/NDF:932.3/23

Right Out: -63.565+/-0.315 χ^2/NDF: 1936.6/30

Left In: -77.643+/-0.396 χ^2/NDF:693.3/22

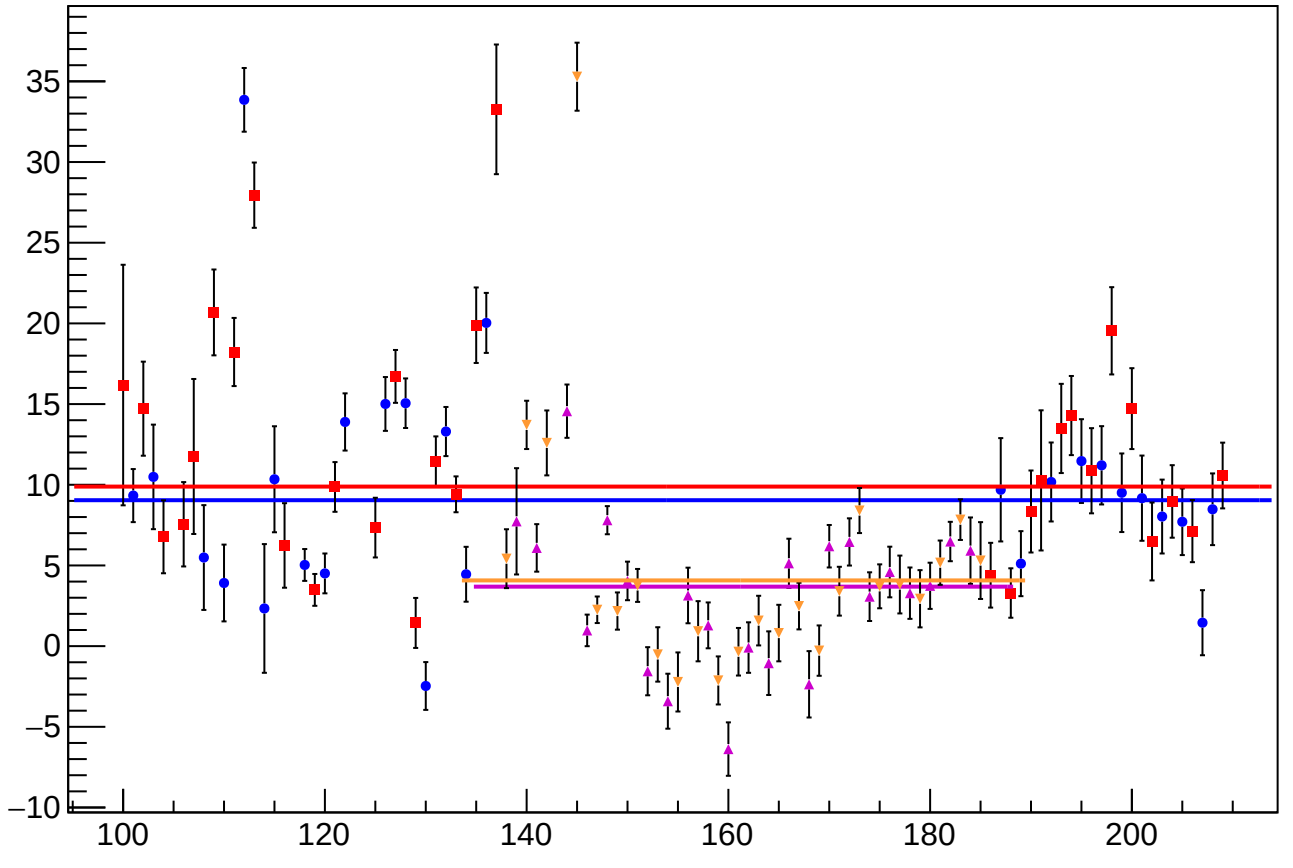
Left: -77.756+/-0.279 χ^2/NDF: 1625.8/46

Right: -63.523+/-0.228 χ^2/NDF: 3341.4/57

In: -69.270+/-0.254 χ^2/NDF:2852.7/49

Out: -69.132+/-0.246 χ^2/NDF:3673.4/54

All: -69.199+/-0.176 χ^2/NDF: 6526.3/104



Right In: 9.043+/-0.366 χ^2/NDF: 363.6/26

Left Out: 4.073+/-0.297 χ^2/NDF:370.6/23

Right Out: 9.887+/-0.359 χ^2/NDF: 316.6/30

Left In: 3.686+/-0.302 χ^2/NDF:182.6/22

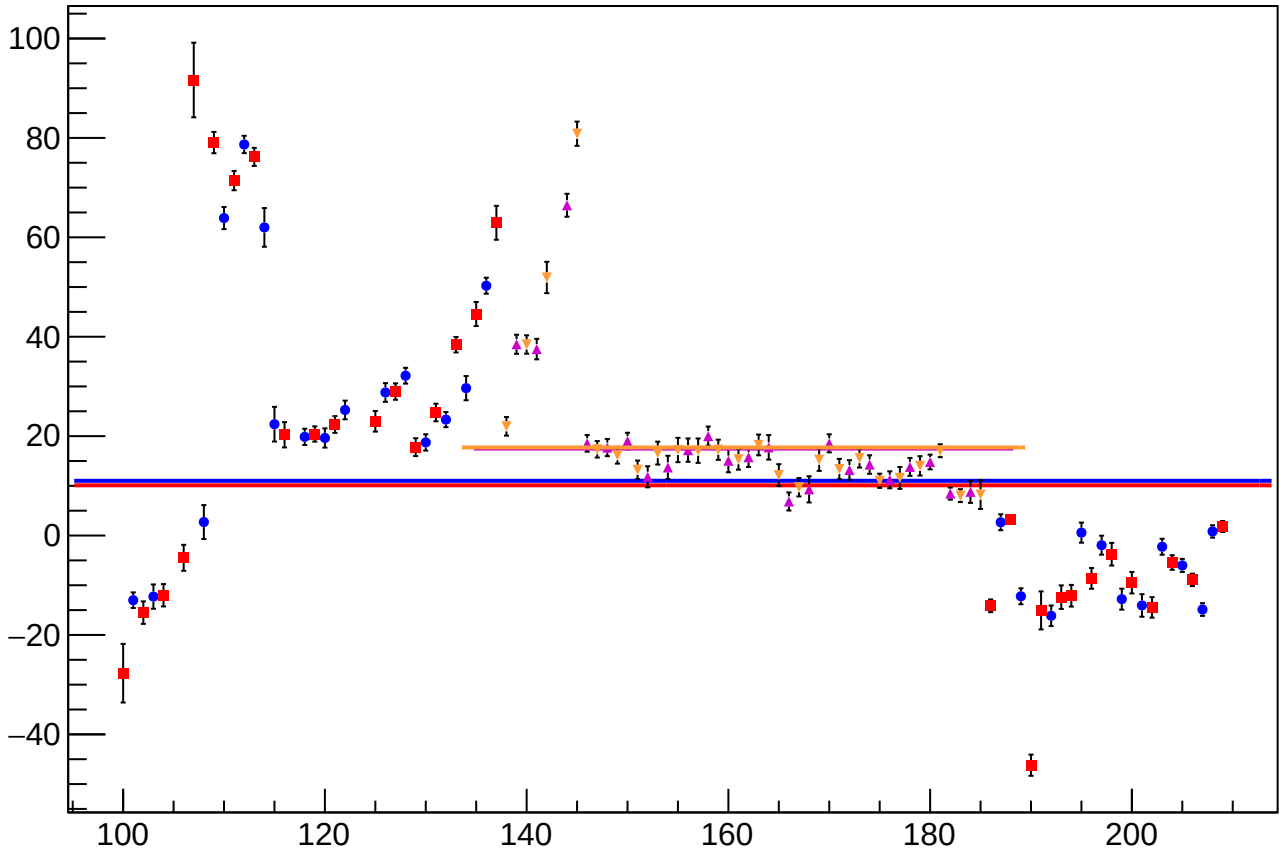
Left: 3.883+/-0.212 χ^2/NDF: 554.0/46

Right: 9.473+/-0.256 χ^2/NDF: 683.0/57

In: 5.854+/-0.233 χ^2/NDF:673.9/49

Out: 6.435+/-0.229 χ^2/NDF:843.2/54

All: 6.150+/-0.163 χ^2/NDF: 1520.2/104



Right In: 11.017+/-0.344 χ^2/NDF: 5137.4/26

Left Out: 17.723+/-0.391 χ^2/NDF:1058.3/23

Right Out: 10.105+/-0.323 χ^2/NDF: 7015.8/30

Left In: 17.491+/-0.393 χ^2/NDF:820.7/22

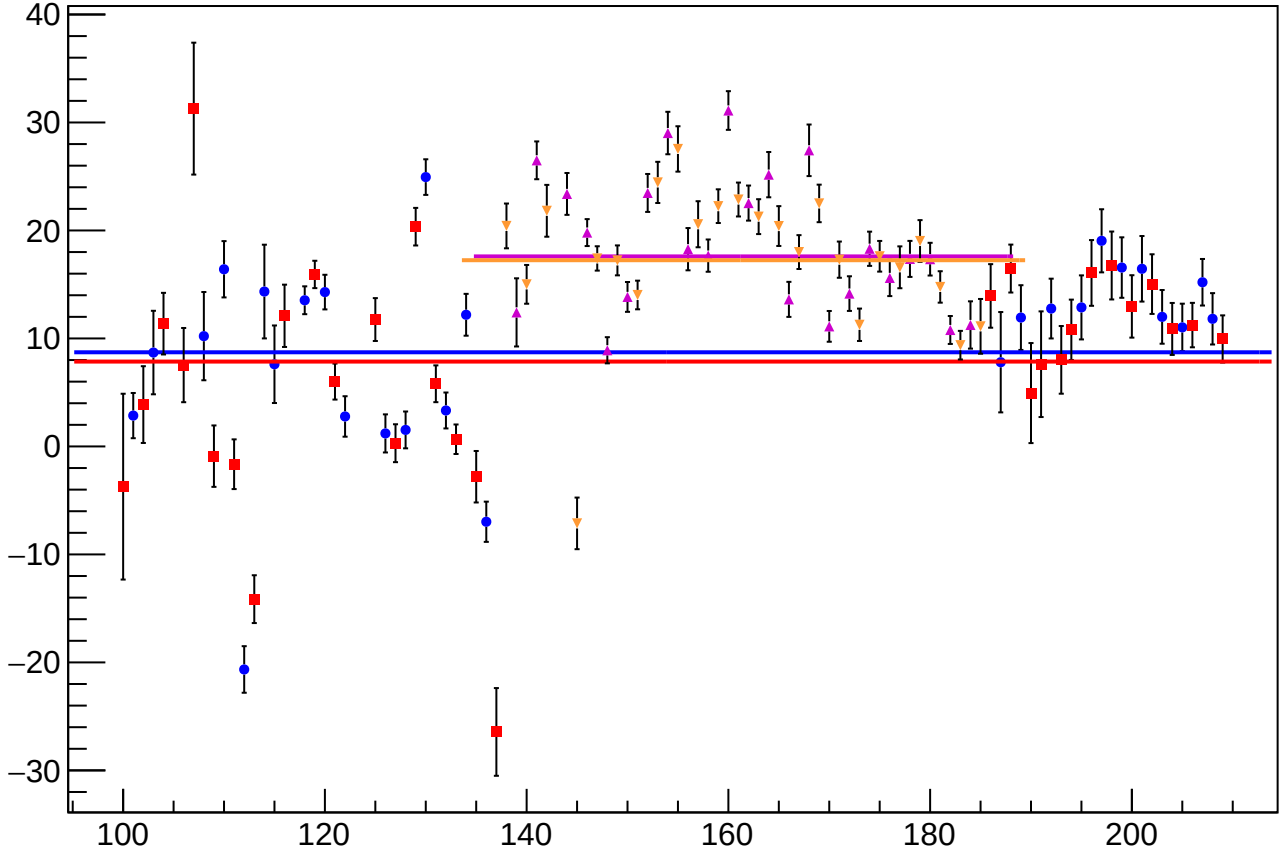
Left: 17.608+/-0.277 χ^2/NDF: 1879.2/46

Right: 10.533+/-0.235 χ^2/NDF: 12156.9/57

In: 13.824+/-0.259 χ^2/NDF:6112.1/49

Out: 13.196+/-0.249 χ^2/NDF:8299.6/54

All: 13.498+/-0.179 χ^2/NDF: 14414.7/104



Right In: 8.719+/-0.423 χ^2/NDF: 503.2/26

Left Out: 17.245+/-0.338 χ^2/NDF:260.8/23

Right Out: 7.858+/-0.419 χ^2/NDF: 434.1/30

Left In: 17.597+/-0.342 χ^2/NDF:309.7/22

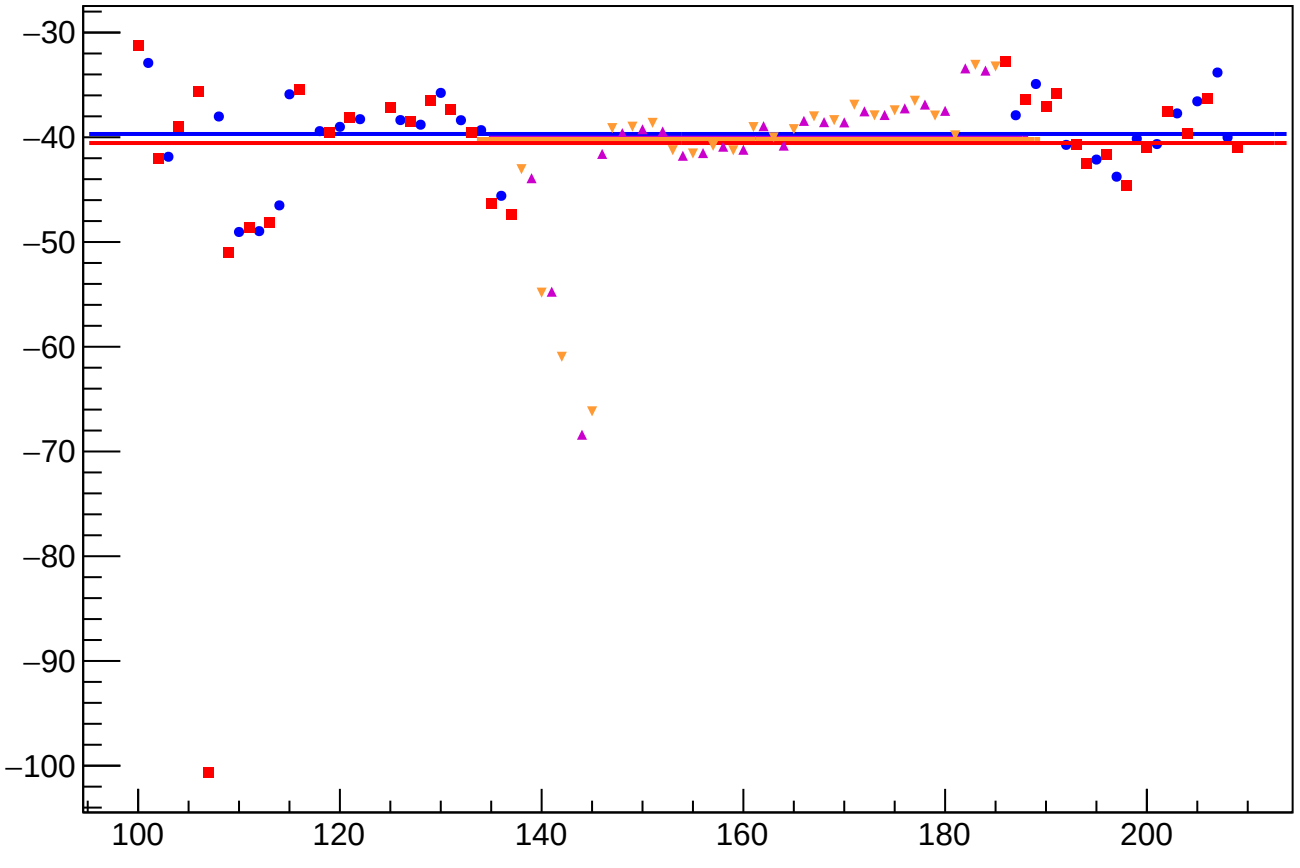
Left: 17.419+/-0.241 χ^2/NDF: 571.0/46

Right: 8.285+/-0.298 χ^2/NDF: 939.4/57

In: 14.085+/-0.266 χ^2/NDF:1079.1/49

Out: 13.546+/-0.263 χ^2/NDF:998.6/54

All: 13.813+/-0.187 χ^2/NDF: 2079.8/104



Right In: -39.685+/-0.021 χ^2/NDF: 32285.4/26

Left Out: -40.165+/-0.015 χ^2/NDF:163335.9/23

Right Out: -40.548+/-0.021 χ^2/NDF: 72593.4/30

Left In: -40.050+/-0.015 χ^2/NDF:136438.5/22

Left: -40.107+/-0.011 χ^2/NDF: 299802.1/46

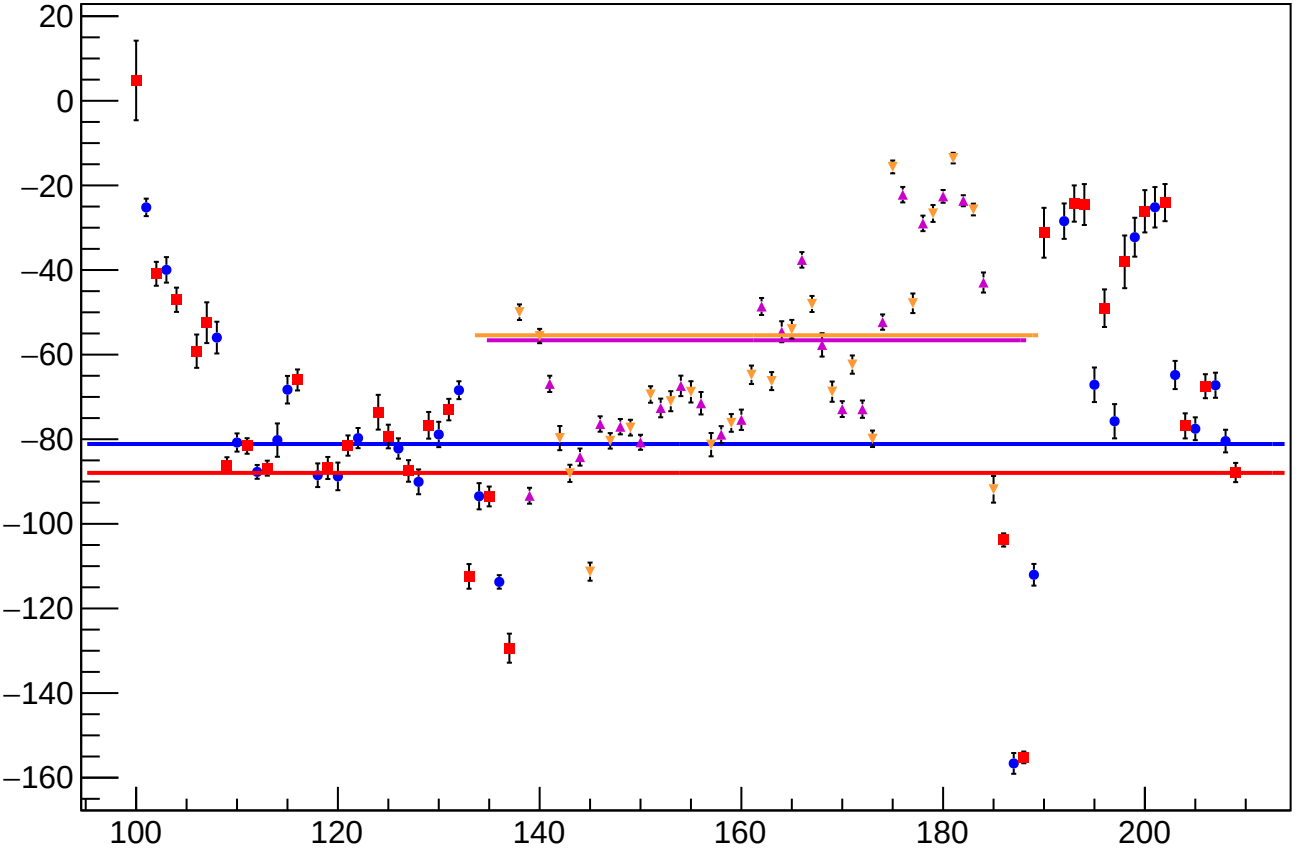
Right: -40.126+/-0.015 χ^2/NDF: 105726.1/57

In: -39.924+/-0.012 χ^2/NDF:168918.2/49

Out: -40.301+/-0.012 χ^2/NDF:236149.2/54

All: -40.114+/-0.009 χ^2/NDF: 405529.2/104

reg_asym_usr_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -81.129+/-0.517 χ^2/NDF: 3046.4/26

Left Out: -55.424+/-0.393 χ^2/NDF:4525.3/24

Right Out: -87.955+/-0.477 χ^2/NDF: 4602.0/30

Left In: -56.609+/-0.404 χ^2/NDF:3350.3/22

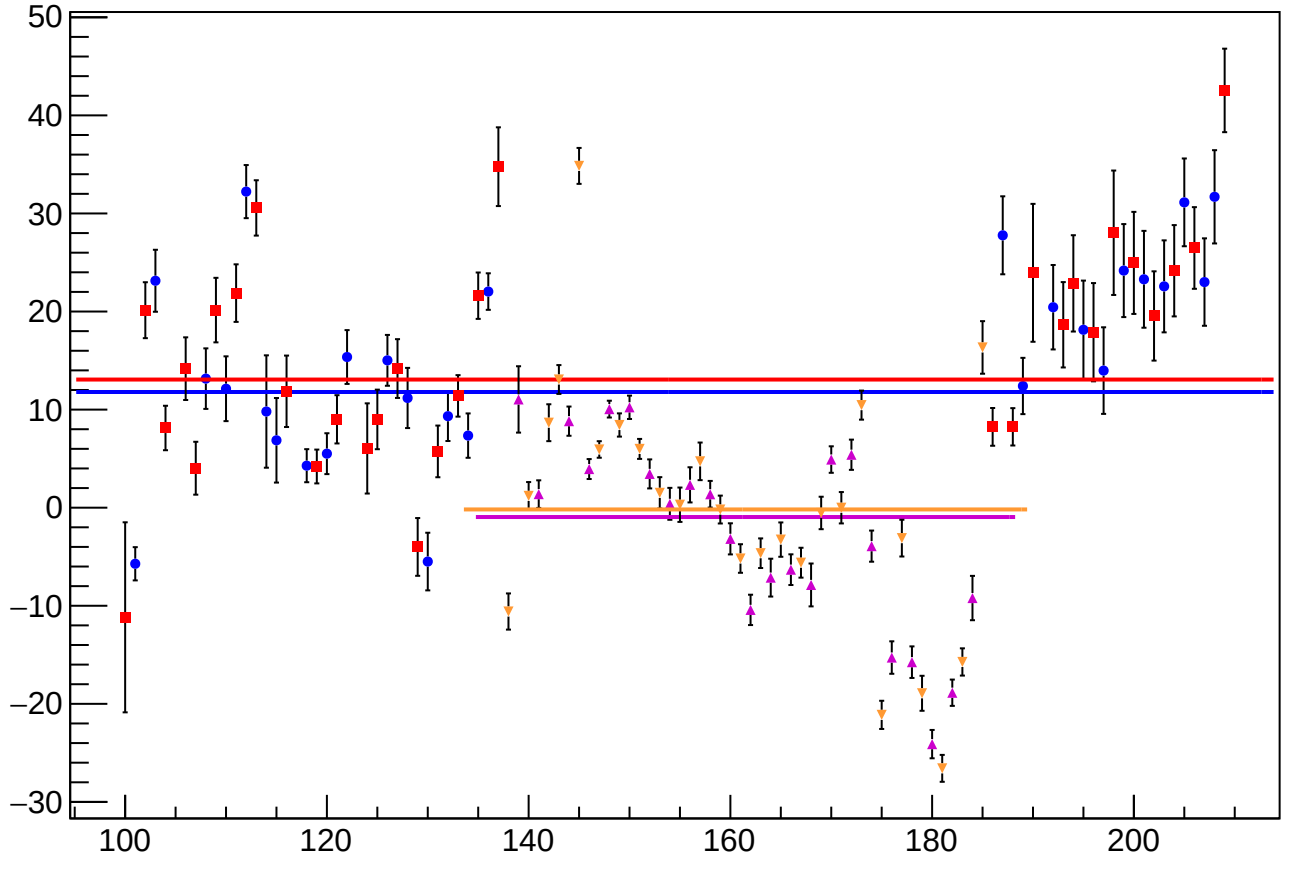
Left: -56.001+/-0.282 χ^2/NDF: 7880.0/47

Right: -84.816+/-0.350 χ^2/NDF: 7742.7/57

In: -65.905+/-0.318 χ^2/NDF:7795.0/49

Out: -68.598+/-0.303 χ^2/NDF:11898.0/55

All: -67.315+/-0.220 χ^2/NDF: 19730.6/105



Right In: 11.796+/-0.559 χ^2/NDF: 362.3/26

Left Out: -0.179+/-0.294 χ^2/NDF:1598.6/24

Right Out: 13.065+/-0.540 χ^2/NDF: 296.9/30

Left In: -0.952+/-0.304 χ^2/NDF:1069.6/22

Left: -0.553+/-0.211 χ^2/NDF: 2671.5/47

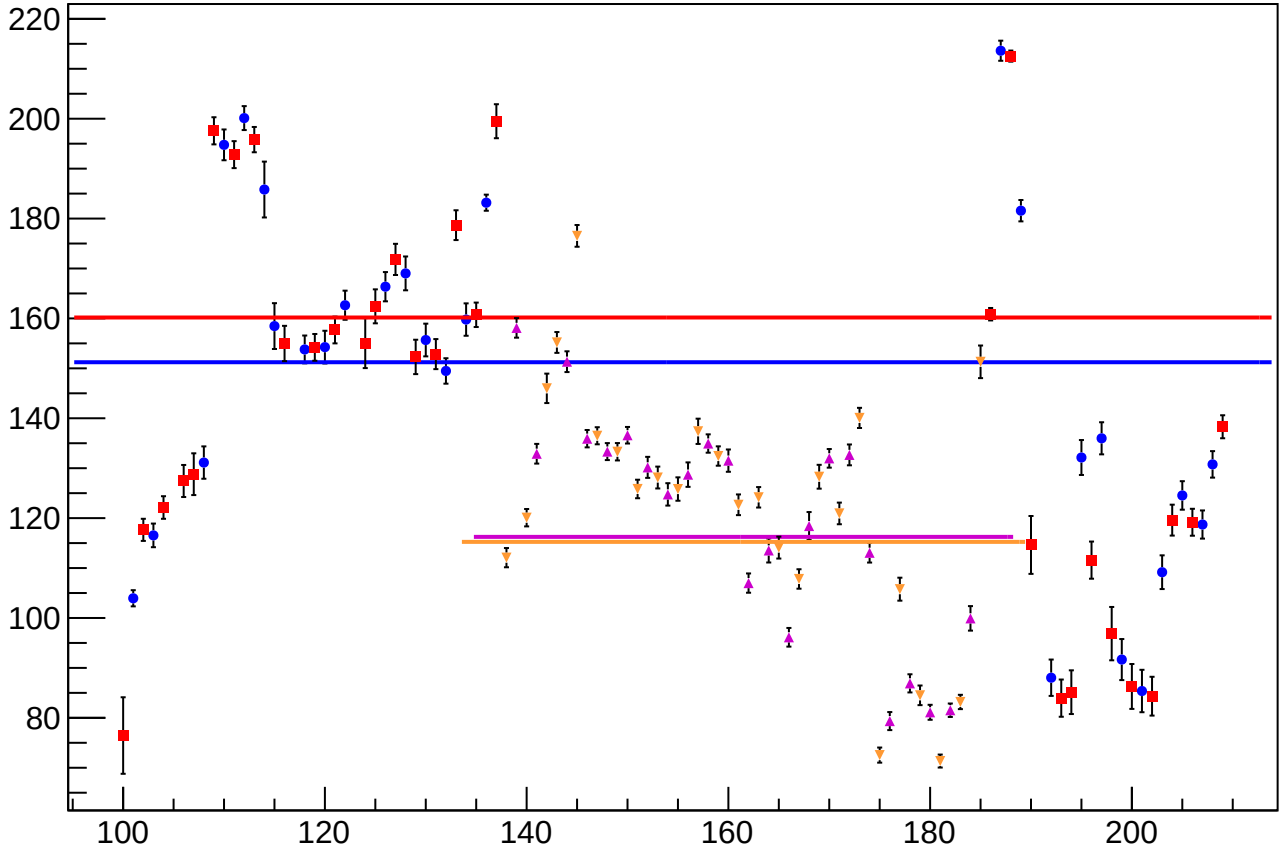
Right: 12.453+/-0.388 χ^2/NDF: 661.9/57

In: 1.956+/-0.267 χ^2/NDF:1832.8/49

Out: 2.855+/-0.258 χ^2/NDF:2360.0/55

All: 2.421+/-0.186 χ^2/NDF: 4198.6/105

reg_asym_usr_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 151.224+/-0.527 χ^2/NDF: 4633.8/26

Left Out: 115.243+/-0.390 χ^2/NDF:4836.5/24

Right Out: 160.183+/-0.476 χ^2/NDF: 6125.1/30

Left In: 116.246+/-0.399 χ^2/NDF:3637.3/22

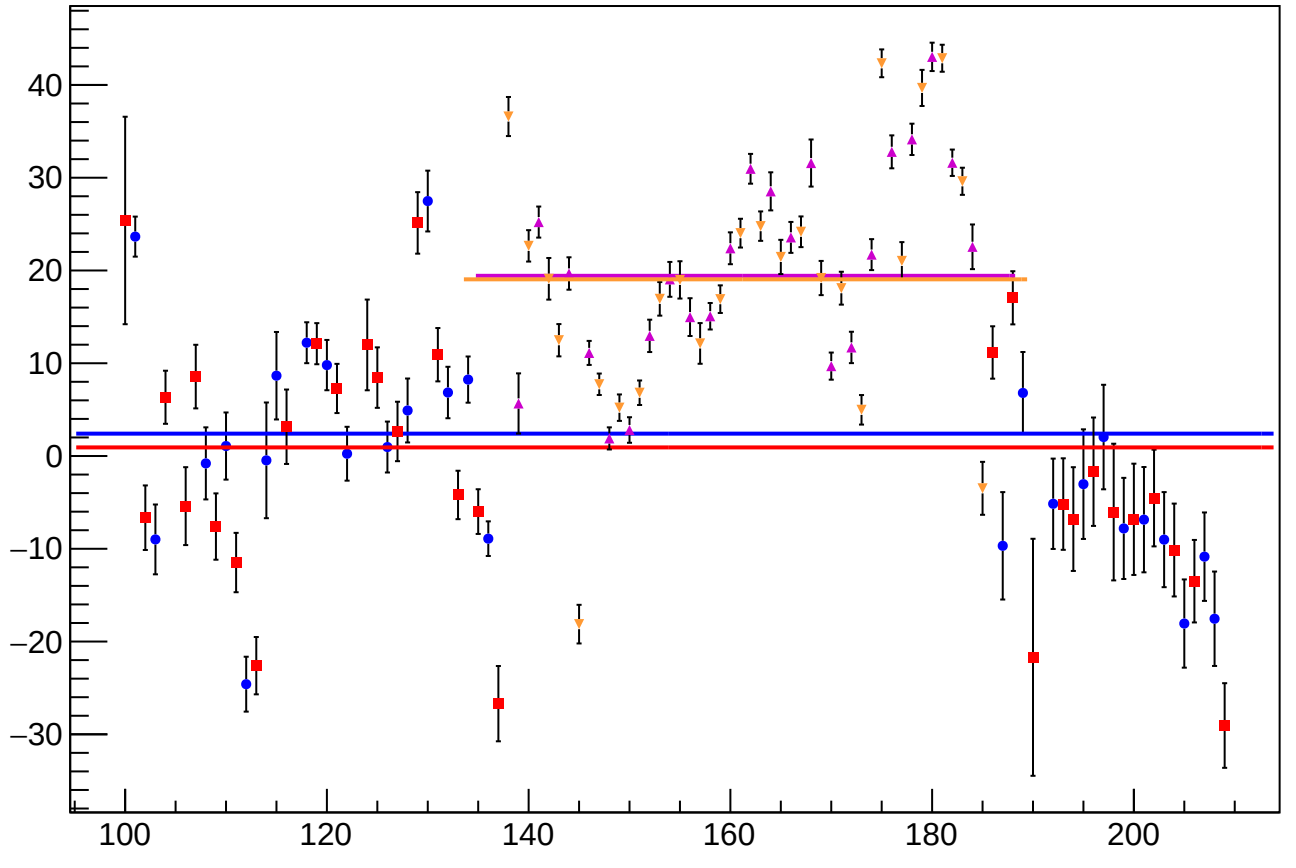
Left: 115.733+/-0.279 χ^2/NDF: 8477.1/47

Right: 156.158+/-0.353 χ^2/NDF: 10917.8/57

In: 128.985+/-0.318 χ^2/NDF:11067.7/49

Out: 133.298+/-0.302 χ^2/NDF:16286.9/55

All: 131.255+/-0.219 χ^2/NDF: 27451.2/105



Right In: 2.411+/-0.649 χ^2/NDF: 385.4/26

Left Out: 19.046+/-0.336 χ^2/NDF:1545.8/24

Right Out: 0.927+/-0.639 χ^2/NDF: 378.9/30

Left In: 19.425+/-0.346 χ^2/NDF:1077.2/22

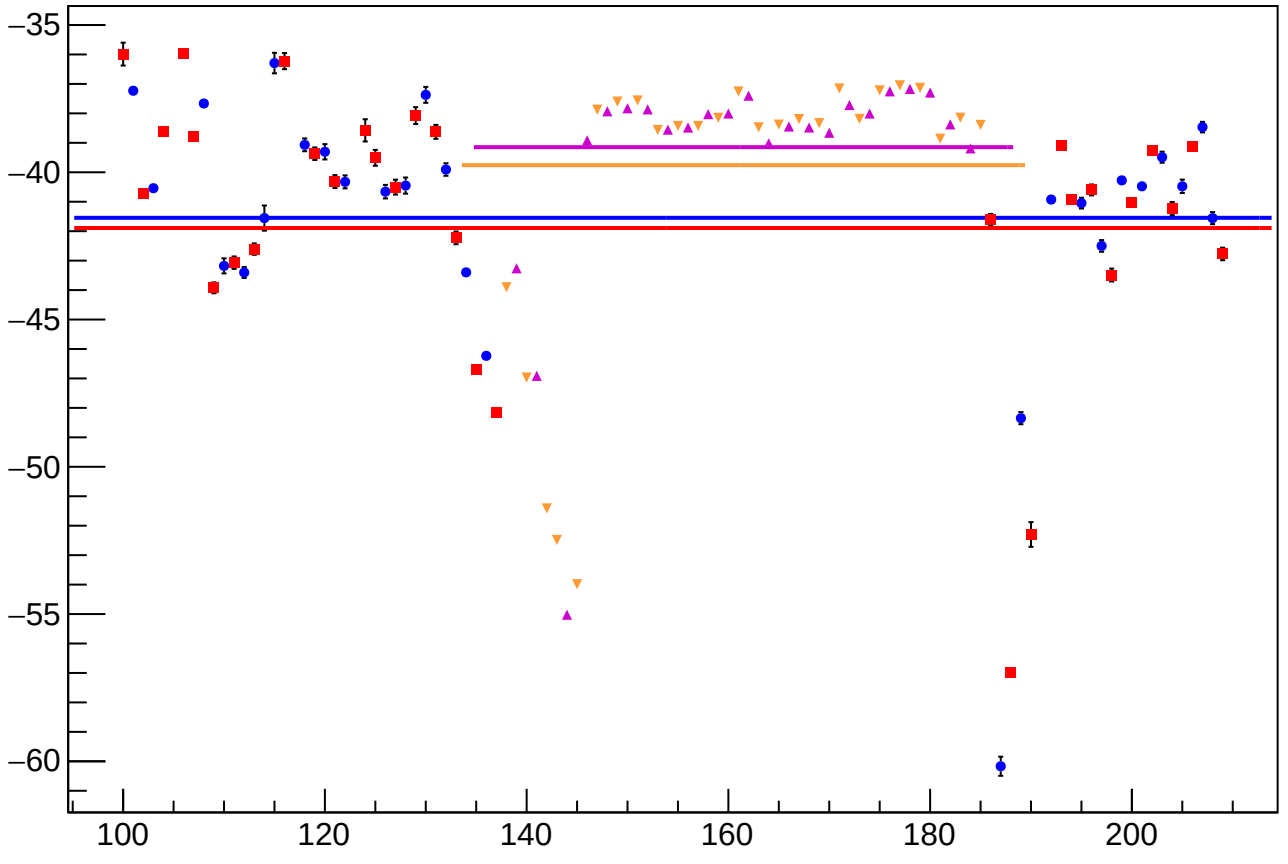
Left: 19.230+/-0.241 χ^2/NDF: 2623.6/47

Right: 1.658+/-0.455 χ^2/NDF: 767.0/57

In: 15.664+/-0.305 χ^2/NDF:1998.1/49

Out: 15.124+/-0.298 χ^2/NDF:2553.8/55

All: 15.387+/-0.213 χ^2/NDF: 4553.4/105



Right In: -41.546+/-0.032 χ^2/NDF: 12890.0/26

Left Out: -39.758+/-0.015 χ^2/NDF:81865.0/24

Right Out: -41.892+/-0.032 χ^2/NDF: 19749.8/30

Left In: -39.147+/-0.016 χ^2/NDF:46907.5/22

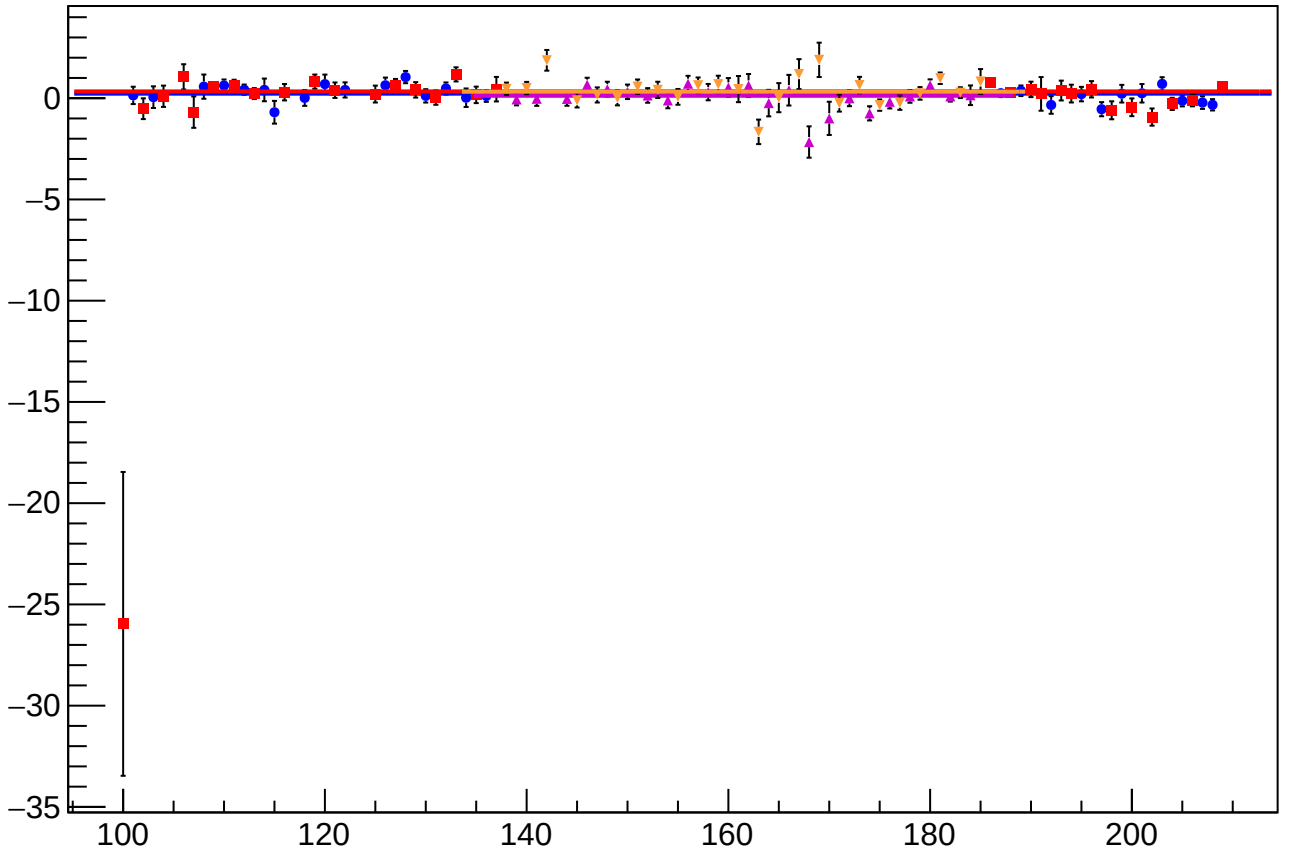
Left: -39.456+/-0.011 χ^2/NDF: 129547.1/47

Right: -41.719+/-0.022 χ^2/NDF: 32699.8/57

In: -39.618+/-0.014 χ^2/NDF:64427.9/49

Out: -40.169+/-0.014 χ^2/NDF:105293.0/55

All: -39.896+/-0.010 χ^2/NDF: 170503.1/105



Right In: 0.225+/-0.066 χ^2/NDF: 33.4/26

Left Out: 0.321+/-0.078 χ^2/NDF:46.9/23

Right Out: 0.336+/-0.058 χ^2/NDF: 61.1/30

Left In: 0.120+/-0.079 χ^2/NDF:30.0/22

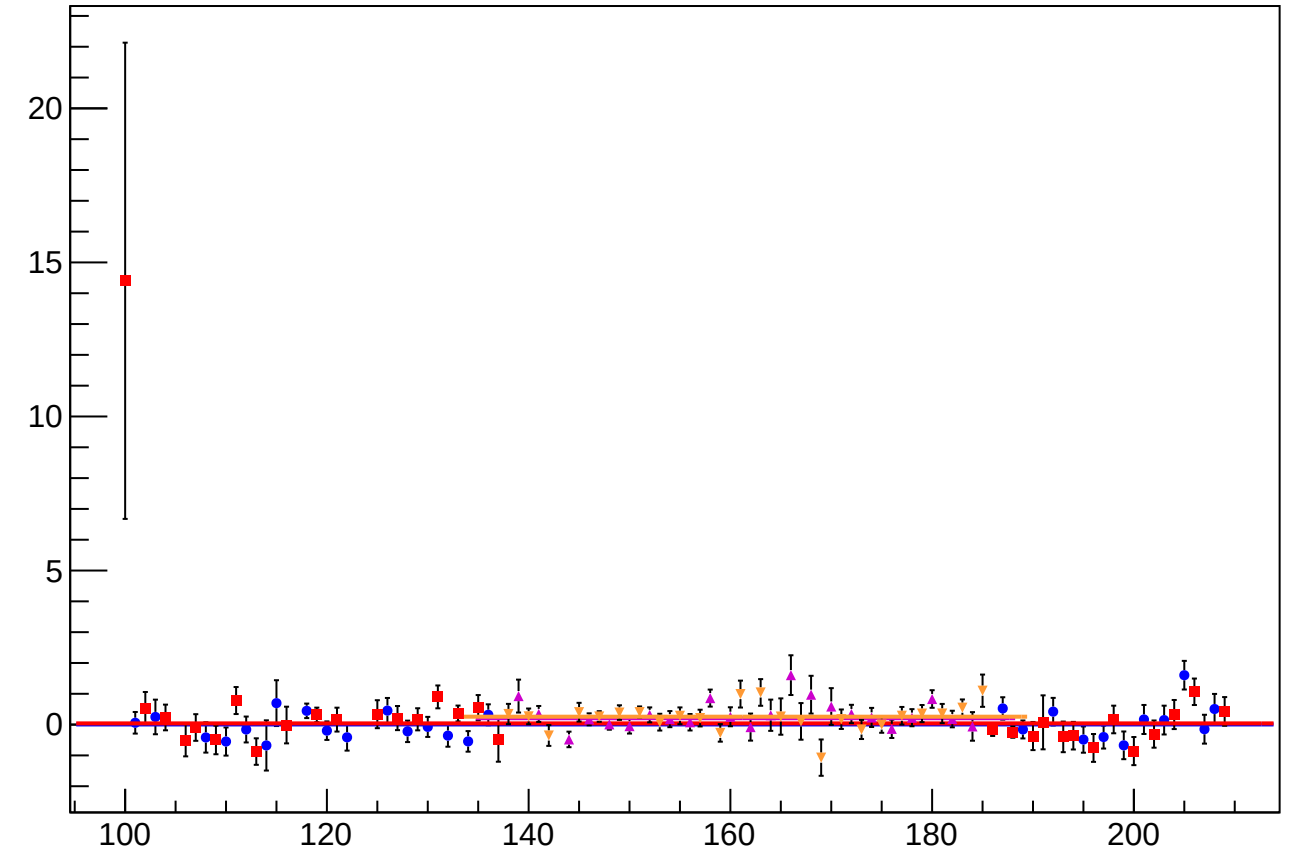
Left: 0.222+/-0.056 χ^2/NDF: 80.1/46

Right: 0.287+/-0.044 χ^2/NDF: 96.0/57

In: 0.182+/-0.051 χ^2/NDF:64.3/49

Out: 0.331+/-0.047 χ^2/NDF:108.0/54

All: 0.263+/-0.034 χ^2/NDF: 177.0/104



Right In: 0.004+/-0.075 χ^2/NDF: 36.5/26

Left Out: 0.257+/-0.059 χ^2/NDF:26.5/23

Right Out: 0.040+/-0.069 χ^2/NDF: 45.8/30

Left In: 0.207+/-0.060 χ^2/NDF:31.9/22

Left: 0.232+/-0.042 χ^2/NDF: 58.7/46

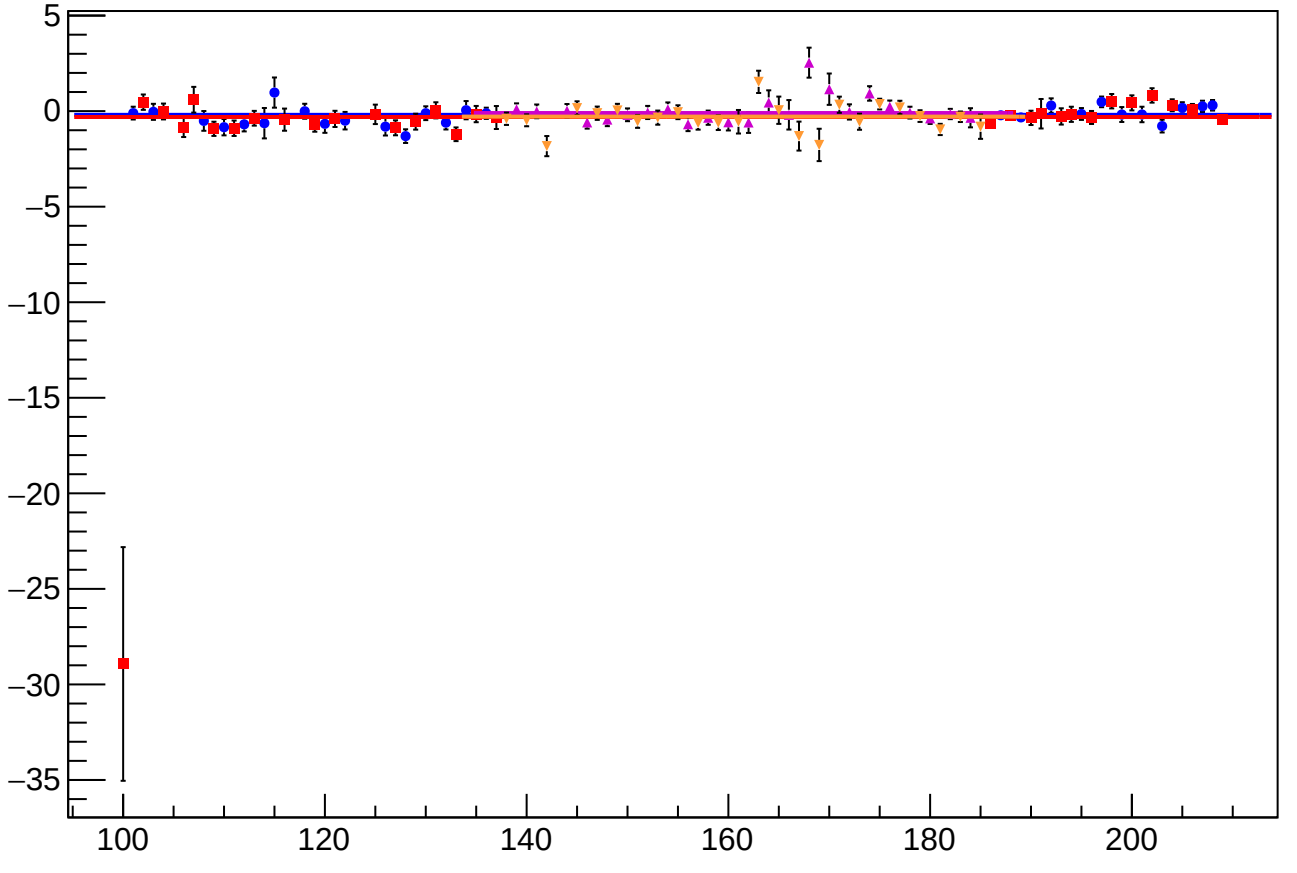
Right: 0.024+/-0.051 χ^2/NDF: 82.4/57

In: 0.127+/-0.047 χ^2/NDF:72.8/49

Out: 0.164+/-0.045 χ^2/NDF:78.0/54

All: 0.147+/-0.032 χ^2/NDF: 151.1/104

reg_asym_dsl_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -0.194+/-0.066 χ^2/NDF: 40.1/26

Left Out: -0.286+/-0.077 χ^2/NDF:45.0/23

Right Out: -0.307+/-0.055 χ^2/NDF: 75.1/30

Left In: -0.100+/-0.078 χ^2/NDF:33.2/22

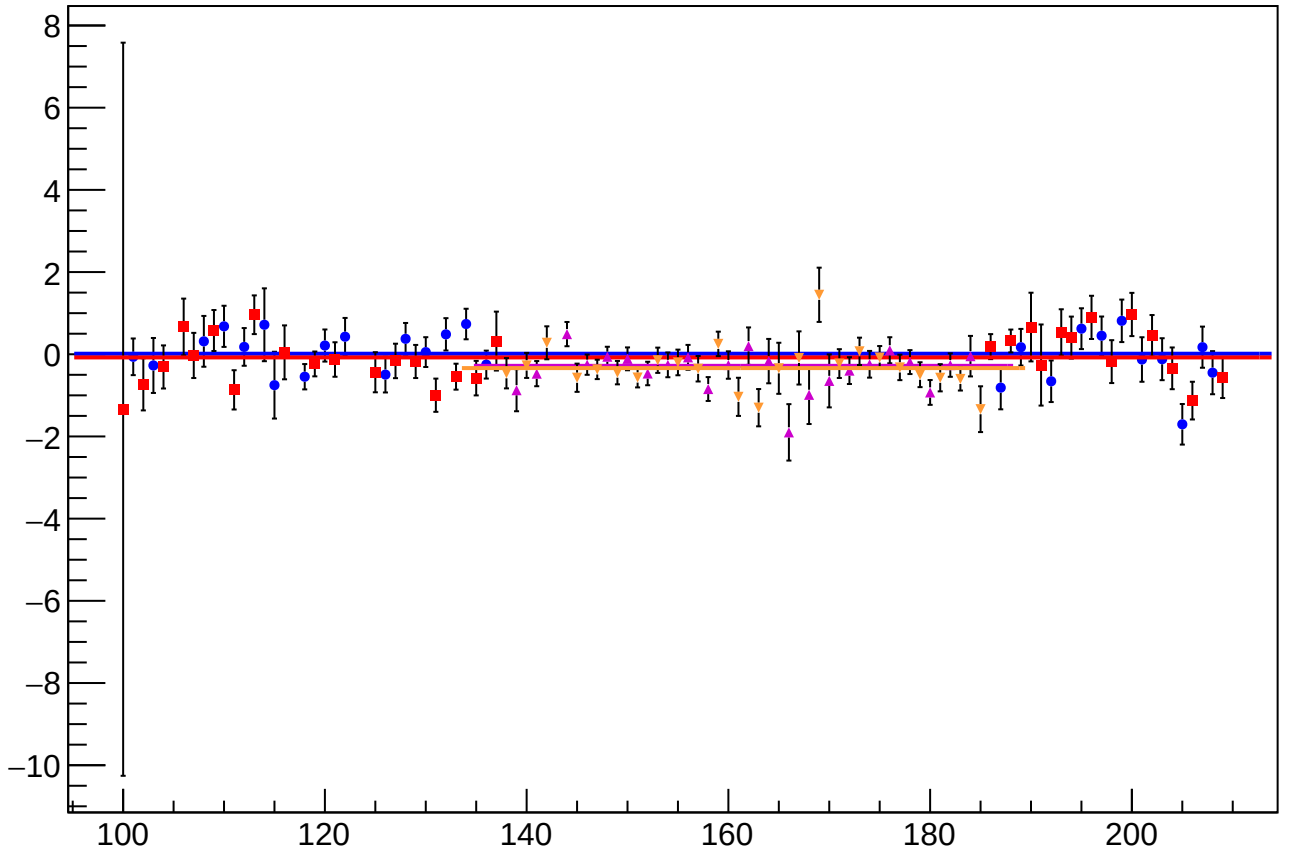
Left: -0.194+/-0.055 χ^2/NDF: 81.1/46

Right: -0.260+/-0.042 χ^2/NDF: 116.9/57

In: -0.155+/-0.050 χ^2/NDF:74.2/49

Out: -0.300+/-0.045 χ^2/NDF:120.2/54

All: -0.236+/-0.034 χ^2/NDF: 198.9/104



Right In: 0.013+/-0.088 χ^2/NDF: 38.6/26

Left Out: -0.337+/-0.068 χ^2/NDF:30.1/23

Right Out: -0.077+/-0.083 χ^2/NDF: 42.5/30

Left In: -0.282+/-0.069 χ^2/NDF:29.0/22

Left: -0.310+/-0.048 χ^2/NDF: 59.4/46

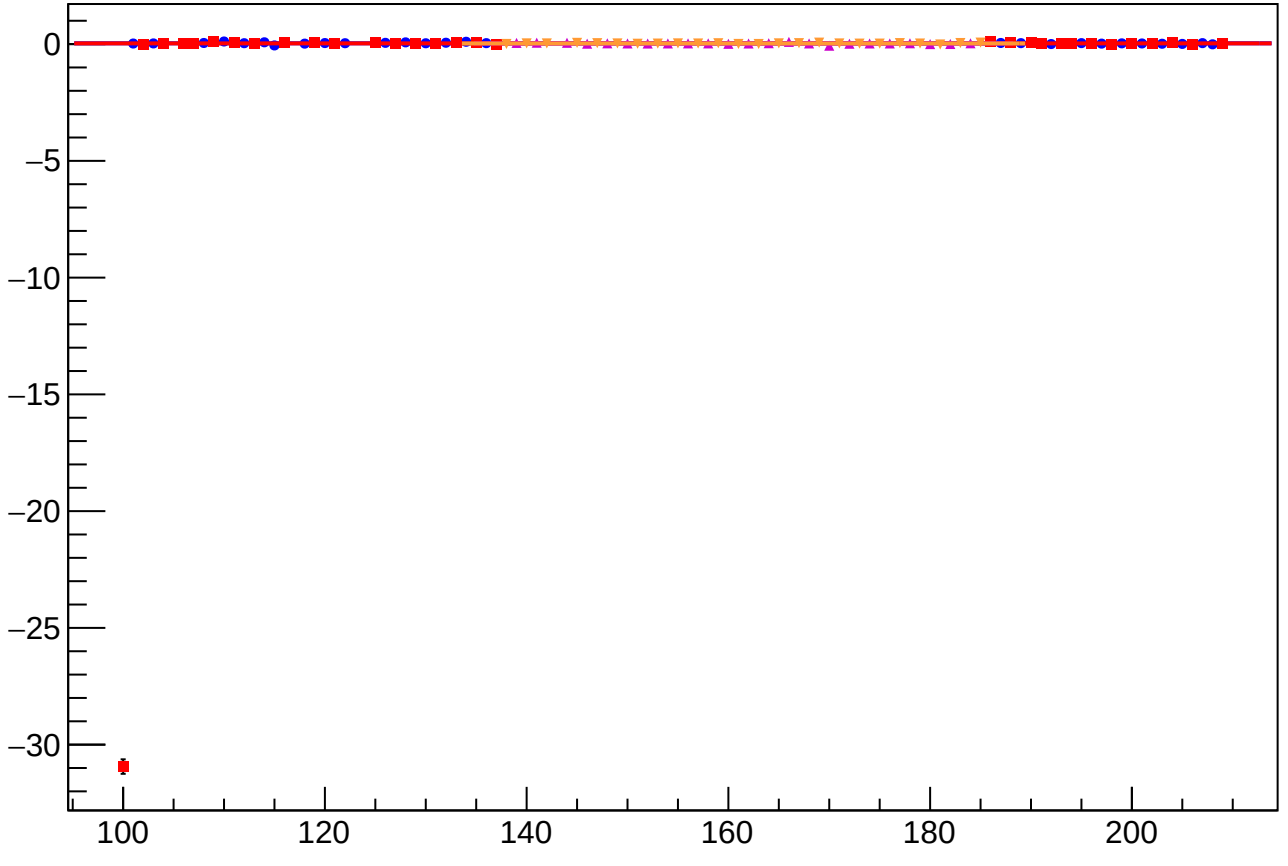
Right: -0.035+/-0.061 χ^2/NDF: 81.7/57

In: -0.170+/-0.054 χ^2/NDF:74.5/49

Out: -0.233+/-0.053 χ^2/NDF:78.5/54

All: -0.202+/-0.038 χ^2/NDF: 153.7/104

reg_asym_dsl_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.035+/-0.004 χ^2/NDF: 36.1/26

Left Out: 0.028+/-0.003 χ^2/NDF:27.6/23

Right Out: 0.031+/-0.004 χ^2/NDF: 10054.6/30

Left In: 0.029+/-0.003 χ^2/NDF:38.9/22

Left: 0.029+/-0.002 χ^2/NDF: 66.6/46

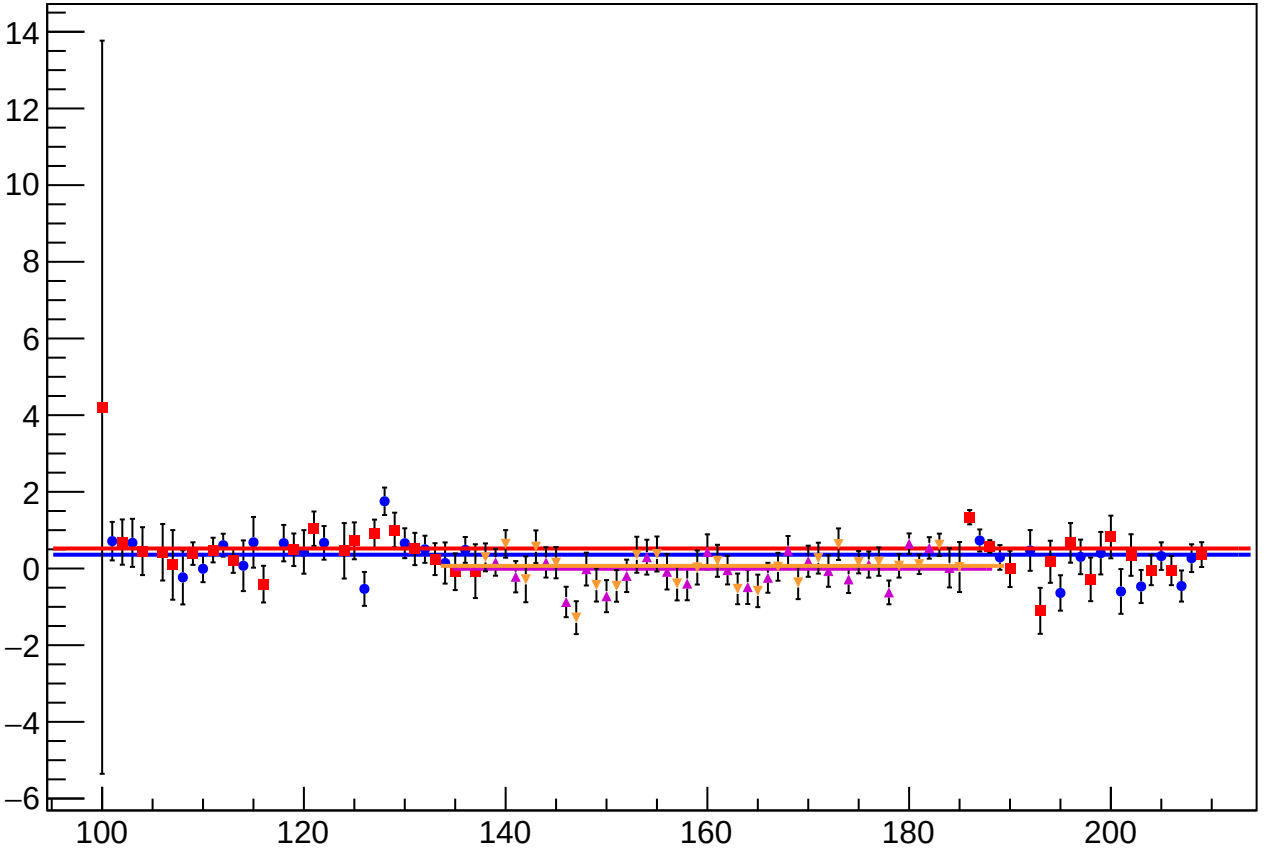
Right: 0.033+/-0.003 χ^2/NDF: 10091.0/57

In: 0.031+/-0.002 χ^2/NDF:76.2/49

Out: 0.029+/-0.002 χ^2/NDF:10082.6/54

All: 0.030+/-0.002 χ^2/NDF: 10159.2/104

reg_asym_dsr_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.360+/-0.081 χ^2/NDF: 41.8/26

Left Out: 0.069+/-0.077 χ^2/NDF:31.1/24

Right Out: 0.522+/-0.070 χ^2/NDF: 47.1/30

Left In: -0.006+/-0.079 χ^2/NDF:28.5/22

Left: 0.032+/-0.055 χ^2/NDF: 60.1/47

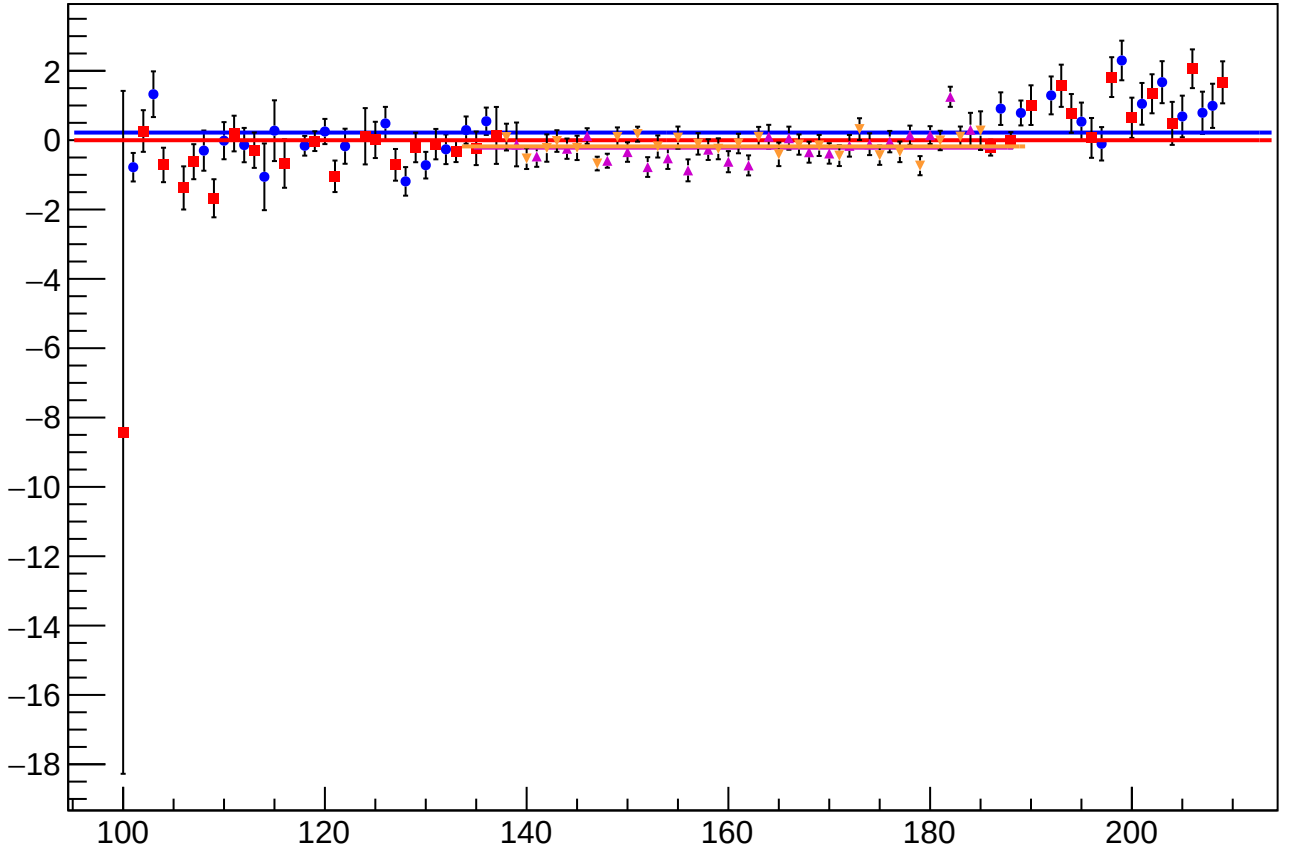
Right: 0.452+/-0.053 χ^2/NDF: 91.2/57

In: 0.173+/-0.057 χ^2/NDF:80.7/49

Out: 0.318+/-0.052 χ^2/NDF:97.1/55

All: 0.252+/-0.038 χ^2/NDF: 181.4/105

reg_asym_dsr_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 0.219+/-0.091 χ^2/NDF: 67.5/26

Left Out: -0.180+/-0.059 χ^2/NDF:24.7/24

Right Out: -0.001+/-0.082 χ^2/NDF: 80.8/30

Left In: -0.216+/-0.062 χ^2/NDF:53.6/22

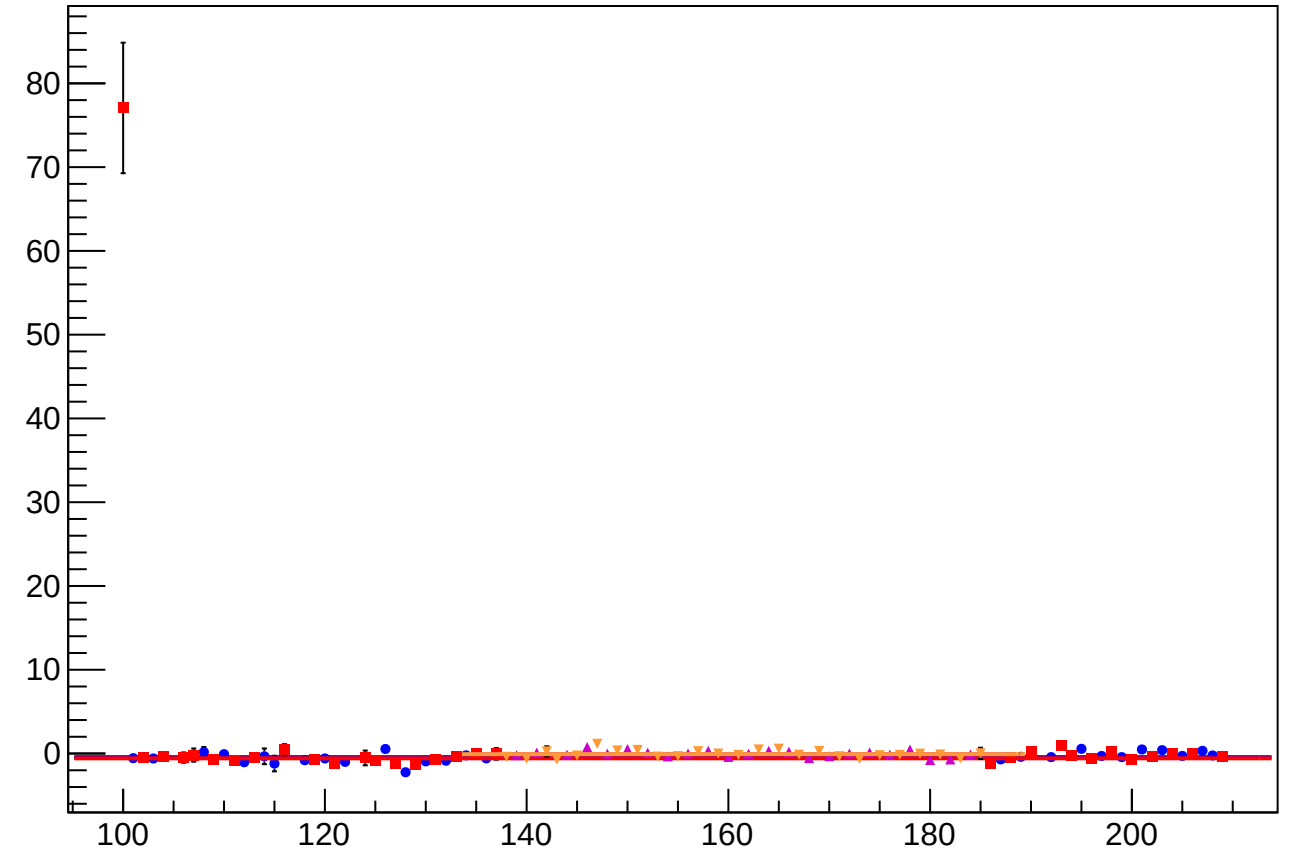
Left: -0.197+/-0.043 χ^2/NDF: 78.5/47

Right: 0.097+/-0.061 χ^2/NDF: 151.5/57

In: -0.080+/-0.051 χ^2/NDF:136.7/49

Out: -0.119+/-0.048 χ^2/NDF:108.6/55

All: -0.101+/-0.035 χ^2/NDF: 245.6/105



Right In: -0.437+/-0.081 χ^2/NDF: 48.8/26

Left Out: -0.077+/-0.077 χ^2/NDF:30.0/24

Right Out: -0.573+/-0.067 χ^2/NDF: 145.6/30

Left In: -0.075+/-0.079 χ^2/NDF:28.3/22

Left: -0.076+/-0.055 χ^2/NDF: 58.3/47

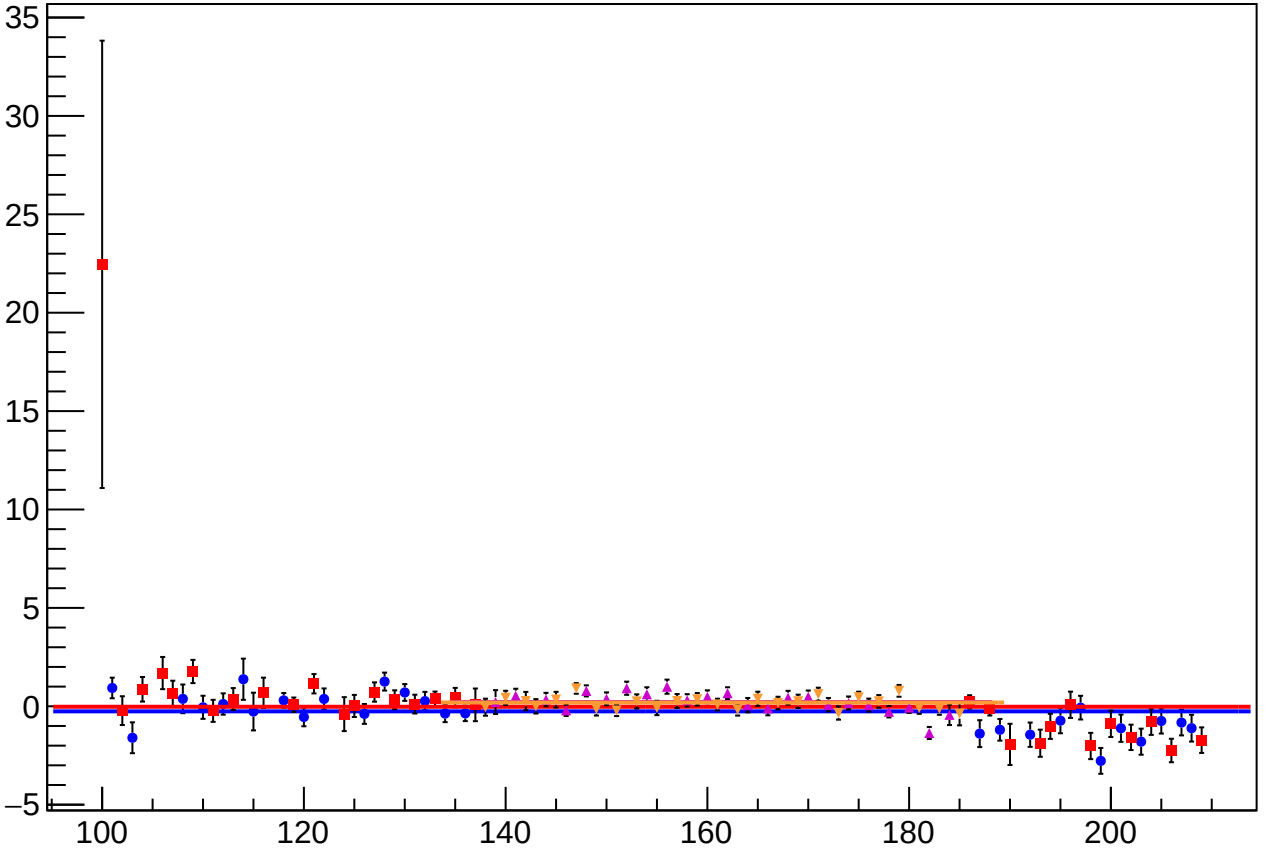
Right: -0.518+/-0.052 χ^2/NDF: 196.1/57

In: -0.251+/-0.056 χ^2/NDF:87.4/49

Out: -0.359+/-0.050 χ^2/NDF:199.3/55

All: -0.311+/-0.038 χ^2/NDF: 288.7/105

reg_asym_dsr_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -0.257+/-0.107 χ^2/NDF: 67.8/26

Left Out: 0.193+/-0.067 χ^2/NDF:25.9/24

Right Out: -0.024+/-0.100 χ^2/NDF: 85.2/30

Left In: 0.215+/-0.069 χ^2/NDF:55.1/22

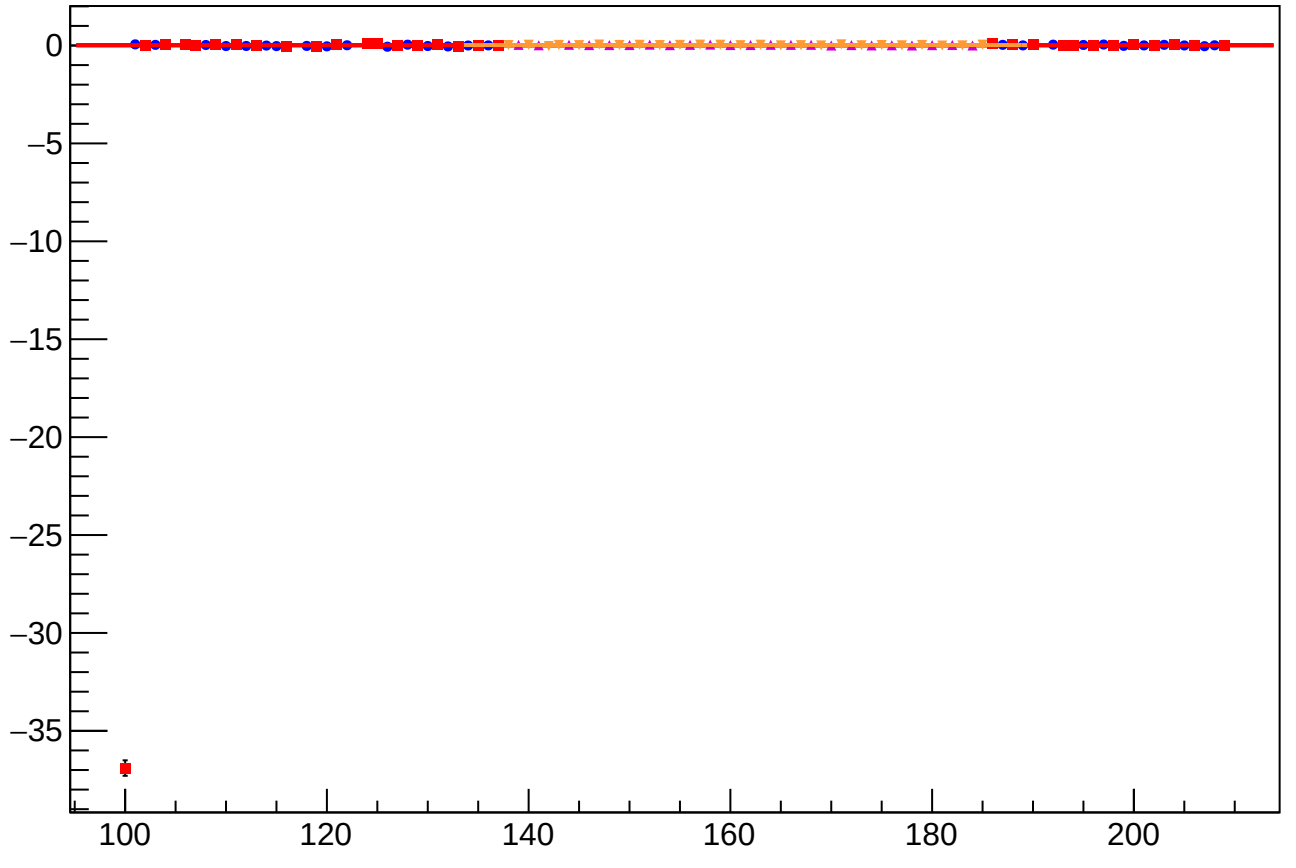
Left: 0.204+/-0.048 χ^2/NDF: 81.0/47

Right: -0.133+/-0.073 χ^2/NDF: 155.6/57

In: 0.075+/-0.058 χ^2/NDF:136.7/49

Out: 0.126+/-0.056 χ^2/NDF:114.3/55

All: 0.102+/-0.040 χ^2/NDF: 251.5/105



Right In: 0.011+/-0.005 χ^2/NDF: 32.4/26

Left Out: 0.024+/-0.003 χ^2/NDF:30.2/24

Right Out: 0.015+/-0.005 χ^2/NDF: 8780.4/30

Left In: 0.024+/-0.003 χ^2/NDF:18.0/22

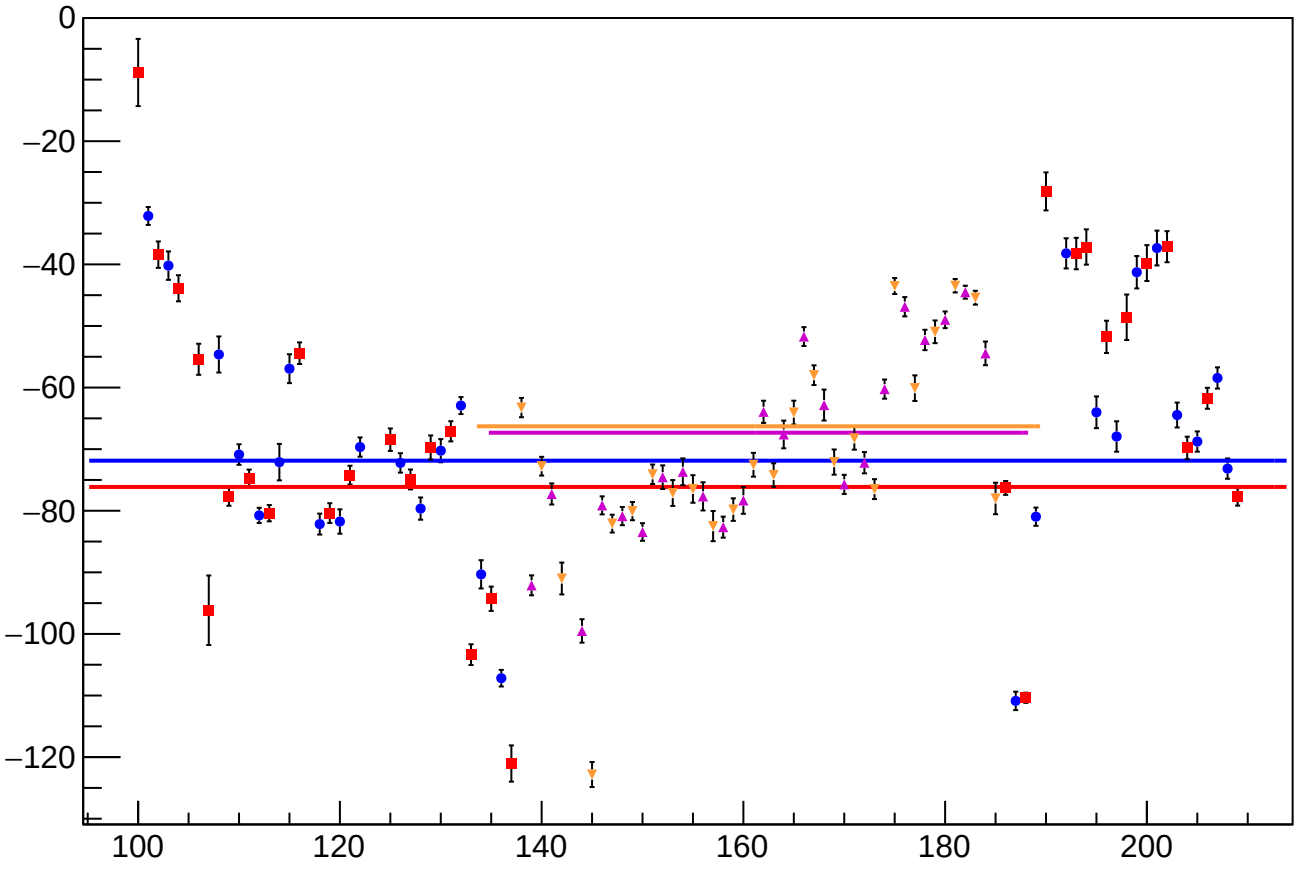
Left: 0.024+/-0.002 χ^2/NDF: 48.2/47

Right: 0.013+/-0.003 χ^2/NDF: 8813.1/57

In: 0.021+/-0.003 χ^2/NDF:55.5/49

Out: 0.021+/-0.003 χ^2/NDF:8813.5/55

All: 0.021+/-0.002 χ^2/NDF: 8869.0/105



Right In: -71.871+/-0.346 χ^2/NDF: 3218.8/26

Left Out: -66.289+/-0.344 χ^2/NDF:2550.4/23

Right Out: -76.136+/-0.322 χ^2/NDF: 4565.5/29

Left In: -67.331+/-0.345 χ^2/NDF:2102.6/22

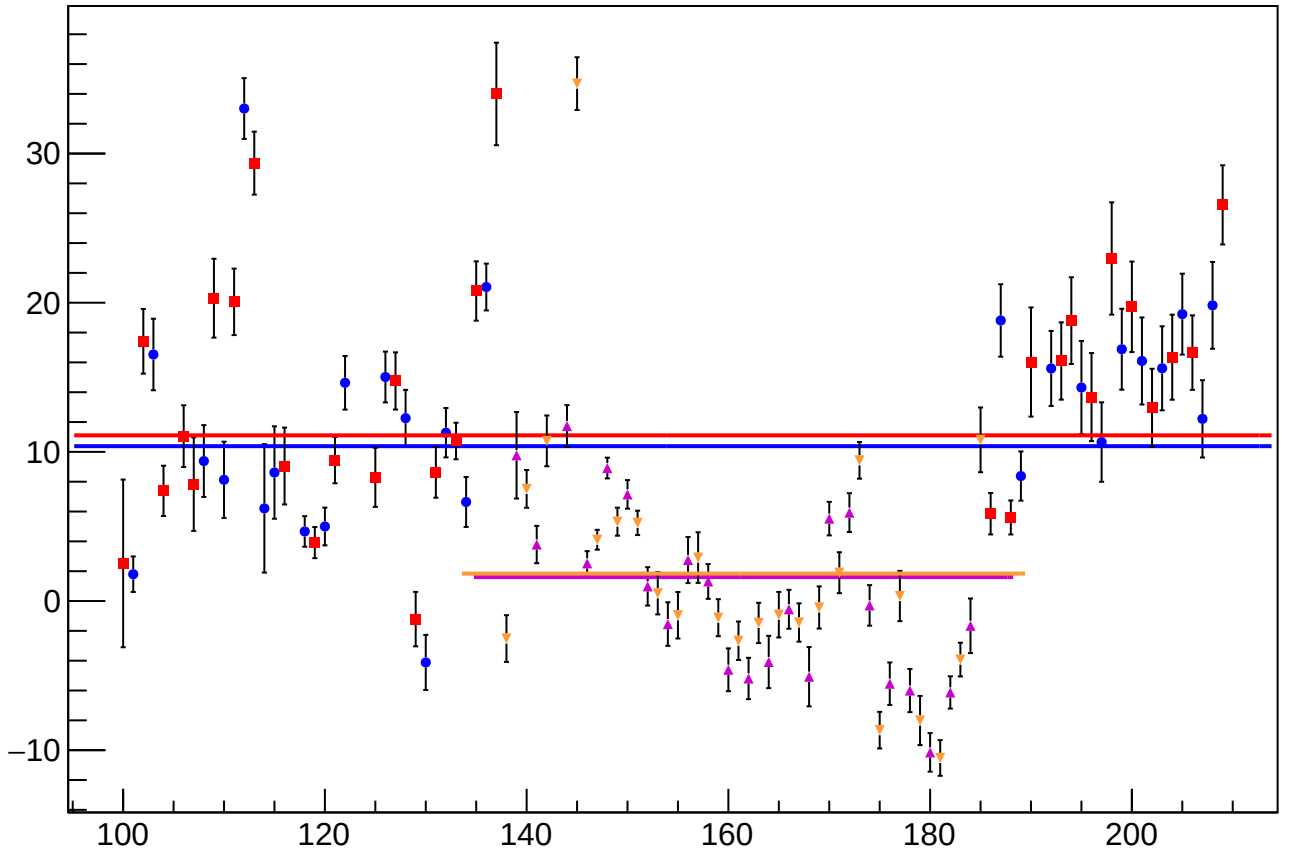
Left: -66.808+/-0.244 χ^2/NDF: 4657.6/46

Right: -74.162+/-0.236 χ^2/NDF: 7865.7/56

In: -69.593+/-0.244 χ^2/NDF:5407.7/49

Out: -71.540+/-0.235 χ^2/NDF:7553.4/53

All: -70.605+/-0.169 χ^2/NDF: 12994.0/103



Right In: 10.382+/-0.371 χ^2/NDF: 414.4/26

Left Out: 1.842+/-0.254 χ^2/NDF:781.5/23

Right Out: 11.109+/-0.361 χ^2/NDF: 402.0/29

Left In: 1.605+/-0.258 χ^2/NDF:496.6/22

Left: 1.726+/-0.181 χ^2/NDF: 1278.5/46

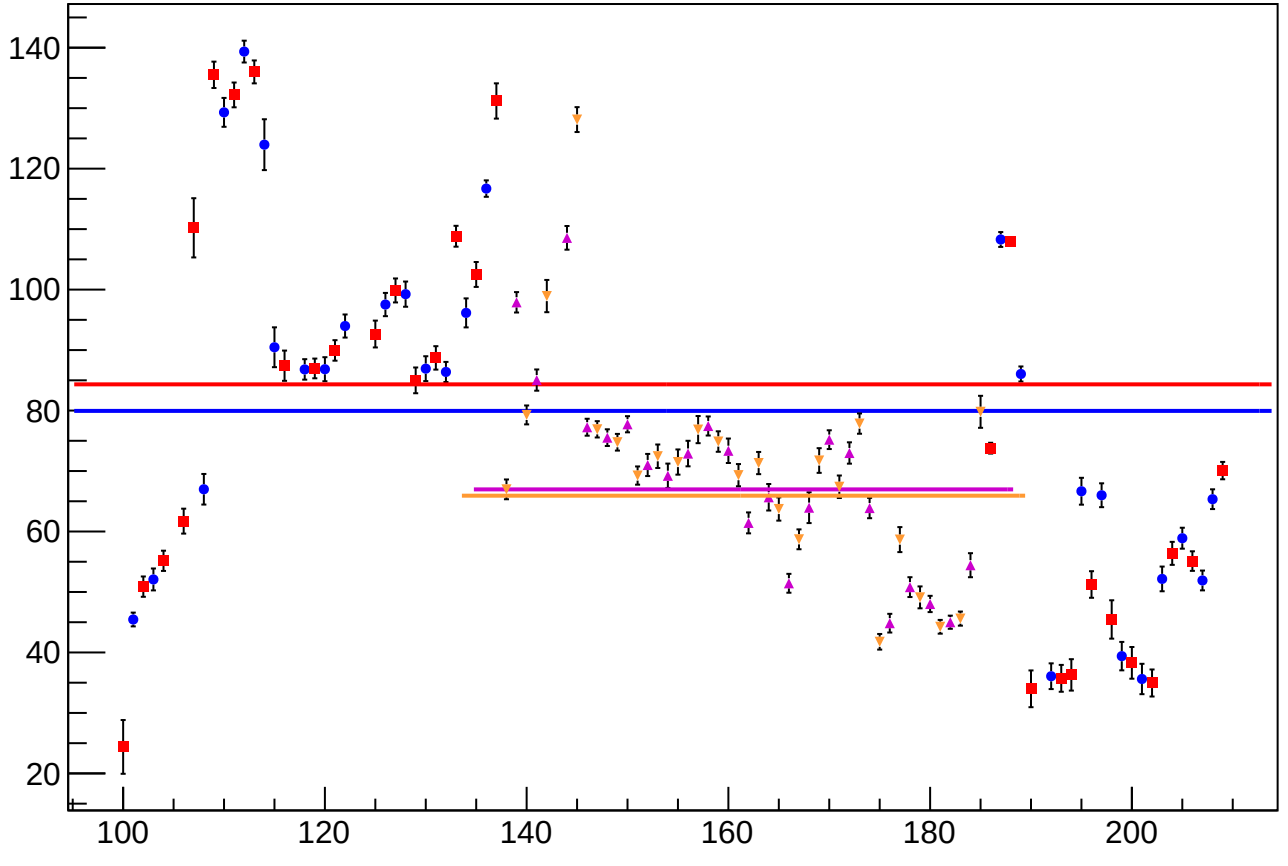
Right: 10.755+/-0.259 χ^2/NDF: 818.4/56

In: 4.469+/-0.212 χ^2/NDF:1287.5/49

Out: 4.913+/-0.208 χ^2/NDF:1623.1/53

All: 4.695+/-0.149 χ^2/NDF: 2912.8/103

reg_asym_us_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 79.943+/-0.349 χ^2/NDF: 6247.6/26

Left Out: 65.923+/-0.341 χ^2/NDF:2555.6/23

Right Out: 84.333+/-0.315 χ^2/NDF: 7812.2/29

Left In: 66.964+/-0.341 χ^2/NDF:2221.3/22

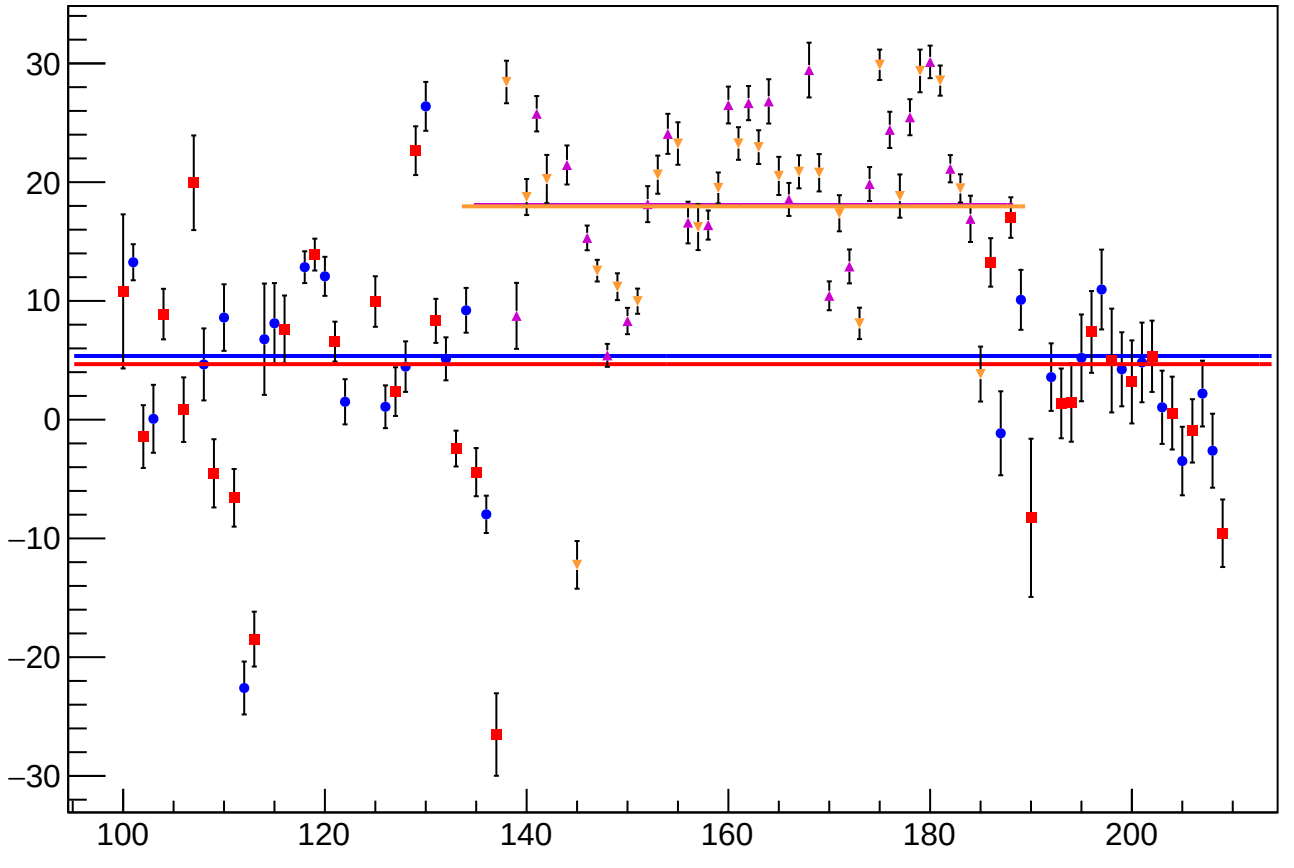
Left: 66.442+/-0.241 χ^2/NDF: 4781.6/46

Right: 82.359+/-0.234 χ^2/NDF: 14146.9/56

In: 73.305+/-0.244 χ^2/NDF:9175.7/49

Out: 75.829+/-0.231 χ^2/NDF:11940.7/53

All: 74.634+/-0.168 χ^2/NDF: 21172.8/103



Right In: 5.363+/-0.436 χ^2/NDF: 457.7/26

Left Out: 17.963+/-0.292 χ^2/NDF:732.1/23

Right Out: 4.675+/-0.432 χ^2/NDF: 527.5/29

Left In: 18.079+/-0.295 χ^2/NDF:605.0/22

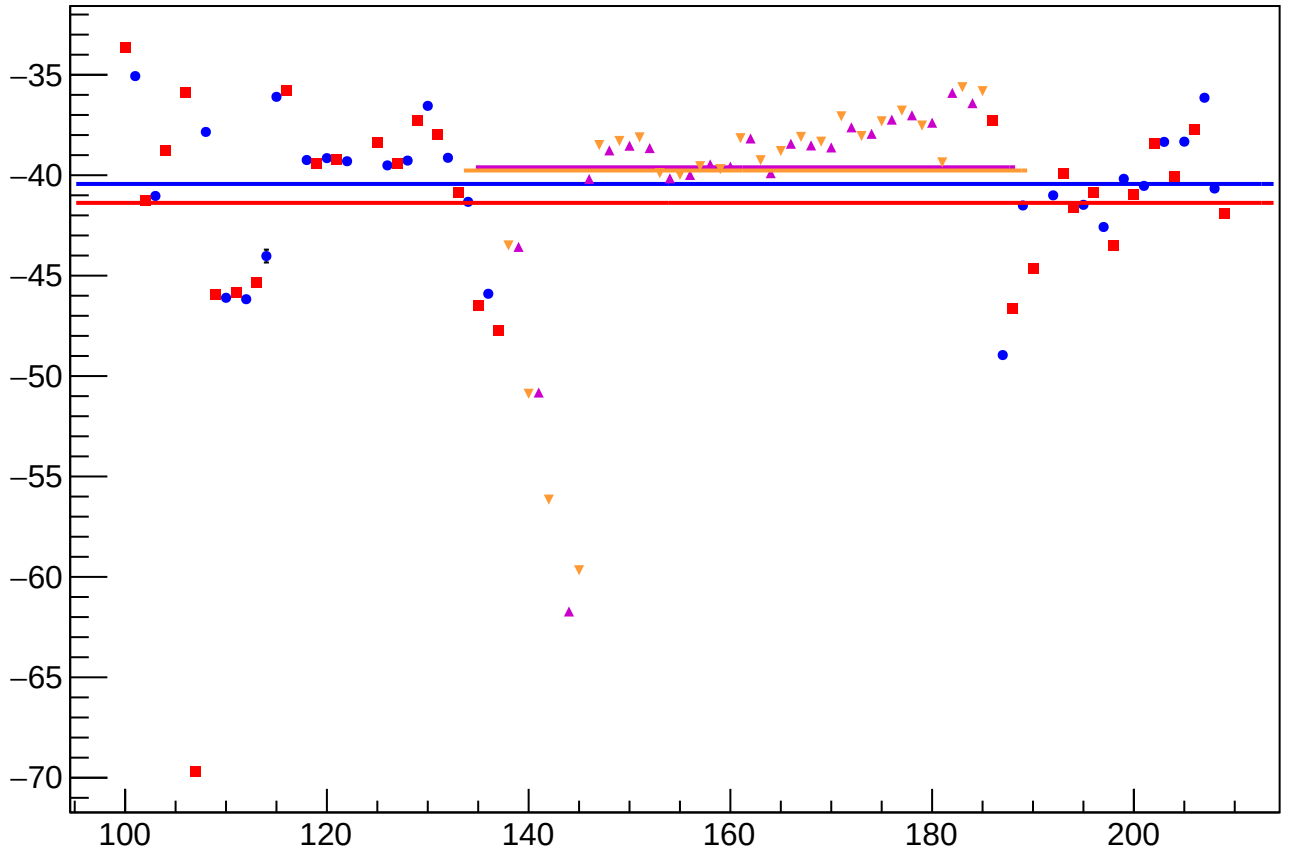
Left: 18.020+/-0.207 χ^2/NDF: 1337.2/46

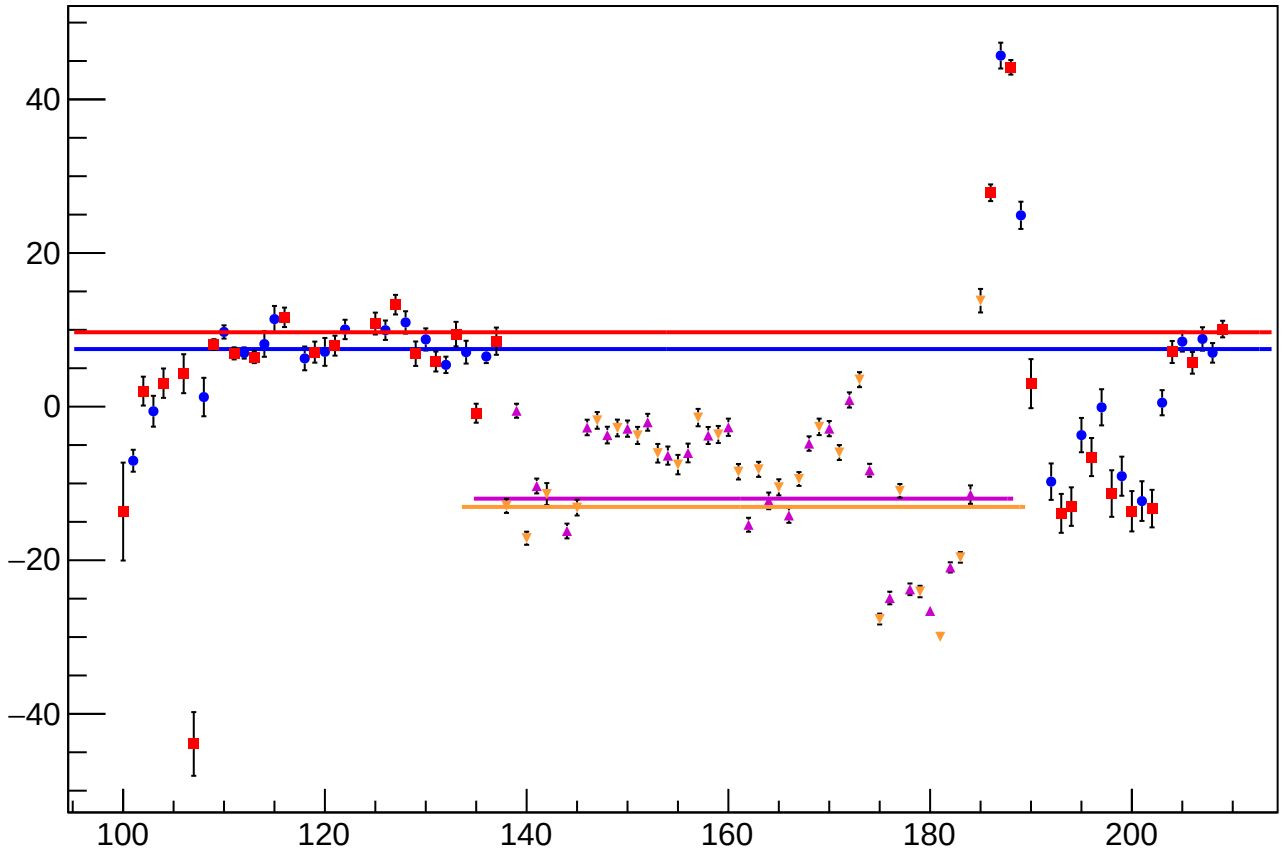
Right: 5.016+/-0.307 χ^2/NDF: 986.4/56

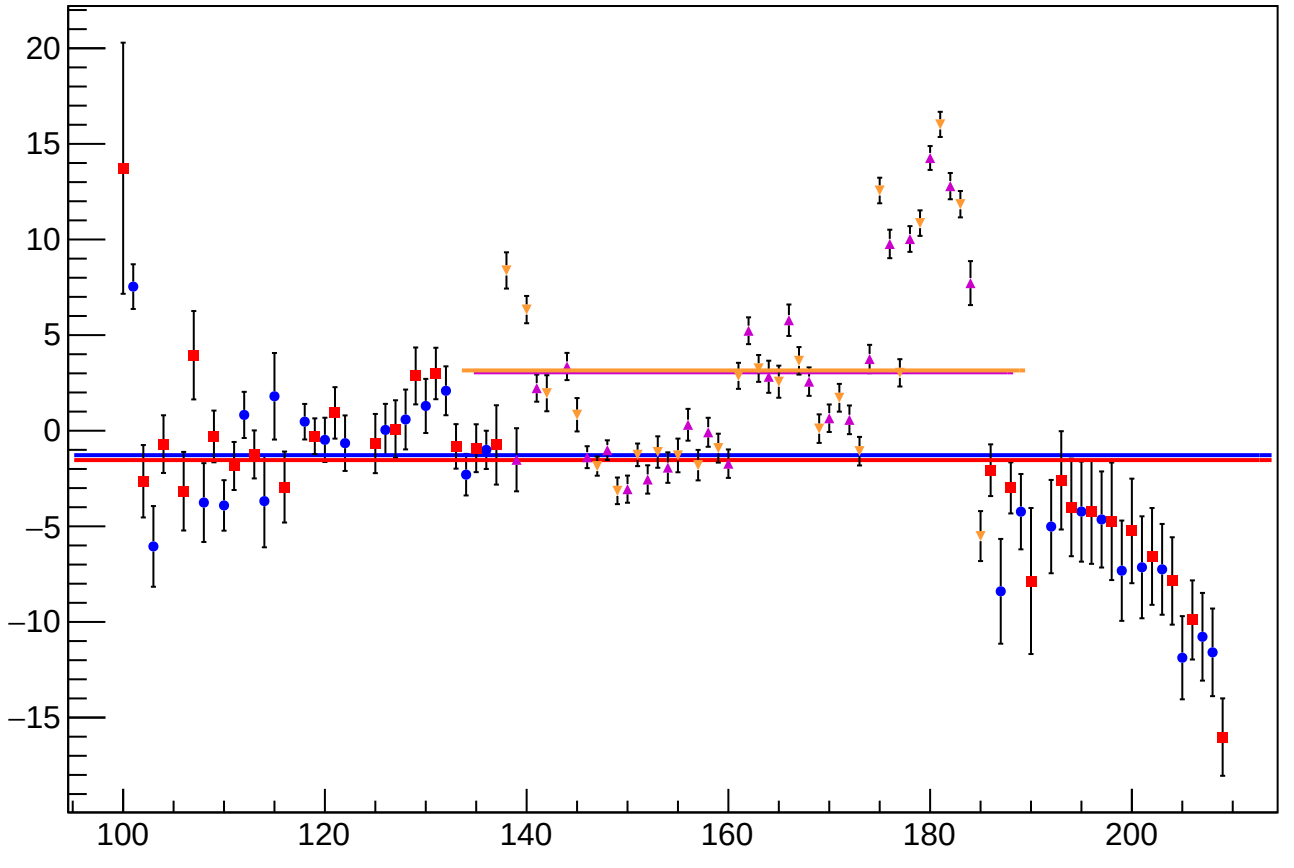
In: 14.089+/-0.244 χ^2/NDF:1646.4/49

Out: 13.794+/-0.242 χ^2/NDF:1909.5/53

All: 13.940+/-0.172 χ^2/NDF: 3556.7/103


reg_asym_us_avg_diff_bpm12X_slope vs Slug, Sign Corrected
−35
−40
−45
−50
−55
−60
−65
−70
100
120
140
160
180
200
Right In: -40.434+/-0.022 χ²/NDF: 22859.7/26
Left Out: -39.765+/-0.013 χ²/NDF:129895.4/23
Right Out: -41.377+/-0.021 χ²/NDF: 44632.9/29
Left In: -39.606+/-0.013 χ²/NDF:106639.2/22
Left: -39.685+/-0.009 χ²/NDF: 236604.6/46
Right: -40.909+/-0.015 χ²/NDF: 68455.7/56
In: -39.837+/-0.011 χ²/NDF:130565.3/49
Out: -40.222+/-0.011 χ²/NDF:178589.5/53
All: -40.029+/-0.008 χ²/NDF: 309729.2/103


reg_asym_us_dd_diff_bpm1X_slope vs Slug, Sign Corrected
40
20
0
−20
−40
100
120
140
160
180
200
Right In: 7.496+/-0.267 χ²/NDF: 980.6/26
Left Out: -13.054+/-0.193 χ²/NDF:2868.1/23
Right Out: 9.684+/-0.250 χ²/NDF: 2387.3/29
Left In: -11.978+/-0.195 χ²/NDF:2176.6/22
Left: -12.524+/-0.137 χ²/NDF: 5060.1/46
Right: 8.664+/-0.182 χ²/NDF: 3403.6/56
In: -5.192+/-0.158 χ²/NDF:6615.6/49
Out: -4.561+/-0.153 χ²/NDF:10452.4/53
All: -4.865+/-0.110 χ²/NDF: 17076.2/103



Right In: -1.278+/-0.301 χ^2/NDF: 183.0/26

Left Out: 3.153+/-0.149 χ^2/NDF:1385.1/23

Right Out: -1.536+/-0.300 χ^2/NDF: 129.6/29

Left In: 3.055+/-0.152 χ^2/NDF:1145.0/22

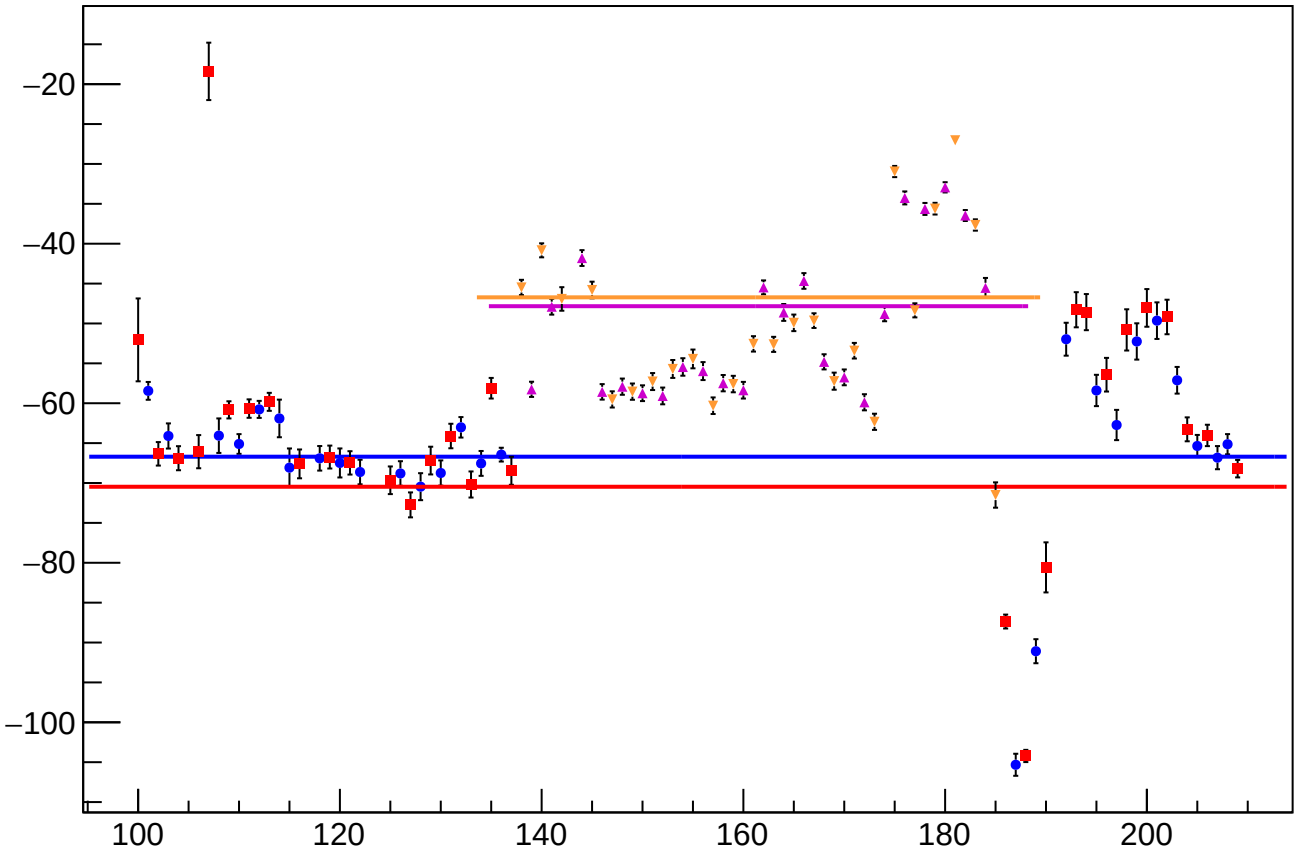
Left: 3.105+/-0.106 χ^2/NDF: 2530.3/46

Right: -1.407+/-0.213 χ^2/NDF: 312.9/56

In: 2.176+/-0.136 χ^2/NDF:1492.9/49

Out: 2.224+/-0.134 χ^2/NDF:1710.5/53

All: 2.200+/-0.095 χ^2/NDF: 3203.5/103



Right In: -66.702+/-0.288 χ^2/NDF: 1362.2/26

Left Out: -46.724+/-0.192 χ^2/NDF:3446.1/23

Right Out: -70.470+/-0.269 χ^2/NDF: 3471.9/29

Left In: -47.835+/-0.194 χ^2/NDF:2557.6/22

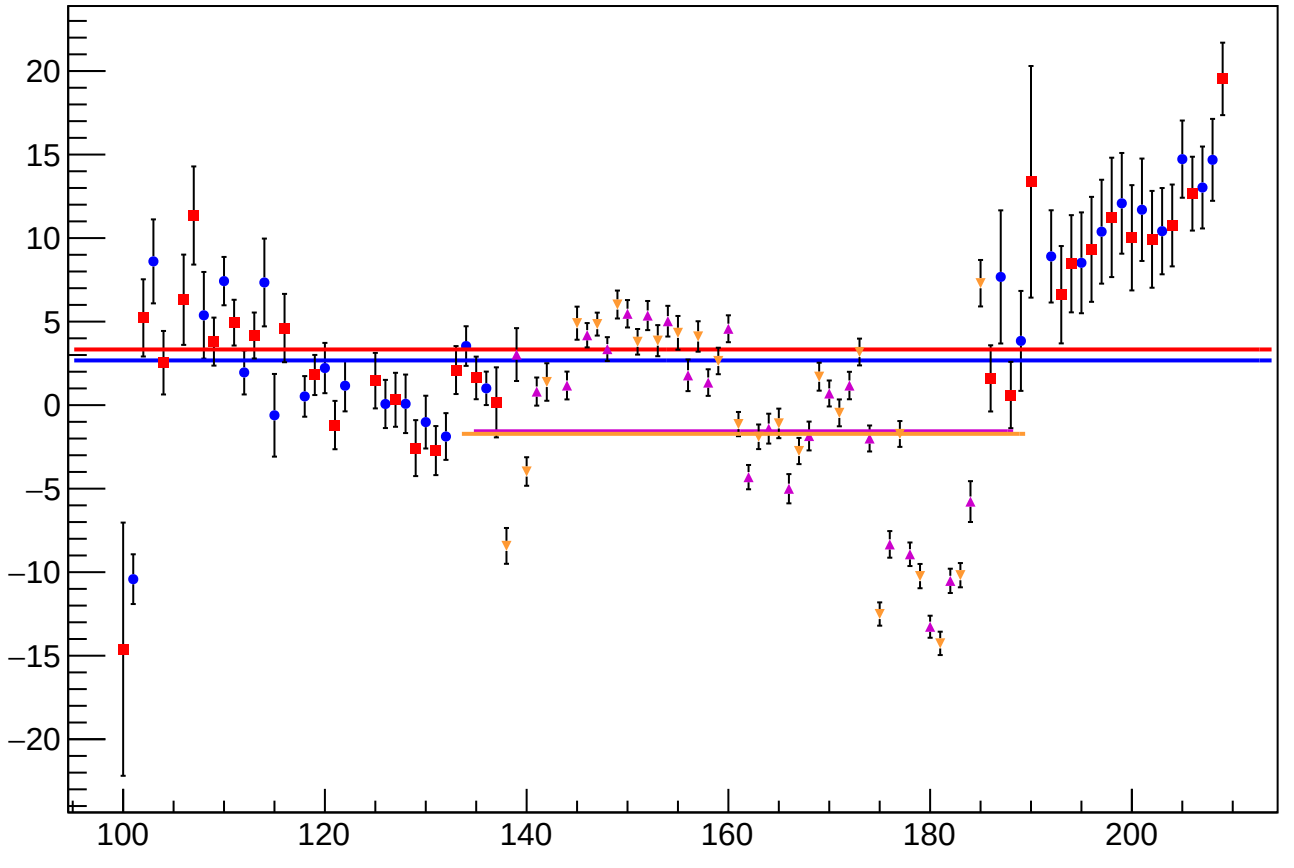
Left: -47.273+/-0.136 χ^2/NDF: 6020.3/46

Right: -68.713+/-0.197 χ^2/NDF: 4925.5/56

In: -53.724+/-0.161 χ^2/NDF:6876.6/49

Out: -54.714+/-0.156 χ^2/NDF:12089.2/53

All: -54.234+/-0.112 χ^2/NDF: 18985.3/103



Right In: 2.676+/-0.343 χ^2/NDF: 242.1/26

Left Out: -1.718+/-0.168 χ^2/NDF:1406.1/23

Right Out: 3.332+/-0.346 χ^2/NDF: 177.8/29

Left In: -1.567+/-0.171 χ^2/NDF:1117.7/22

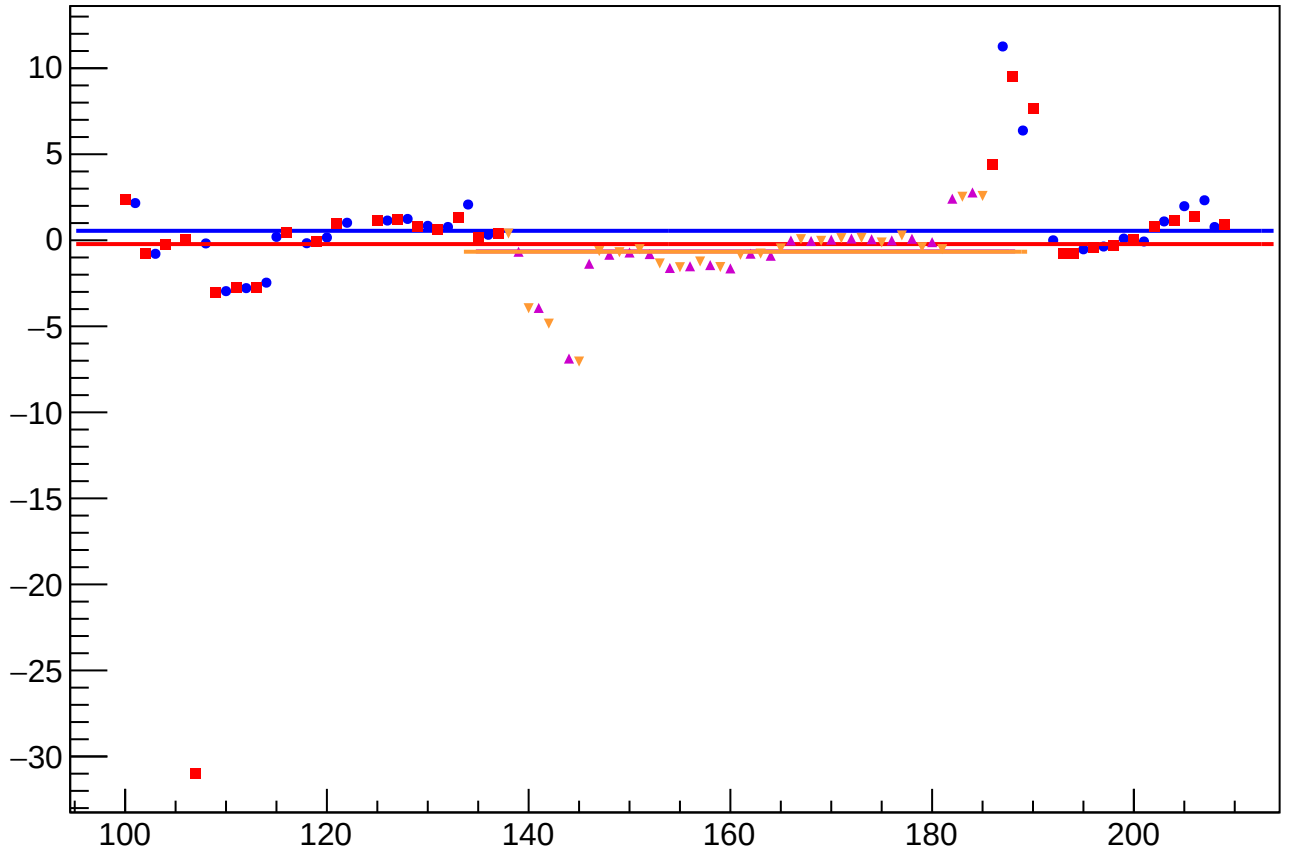
Left: -1.644+/-0.120 χ^2/NDF: 2524.2/46

Right: 3.001+/-0.244 χ^2/NDF: 421.7/56

In: -0.726+/-0.153 χ^2/NDF:1482.3/49

Out: -0.758+/-0.151 χ^2/NDF:1756.1/53

All: -0.742+/-0.107 χ^2/NDF: 3238.4/103



Right In: 0.550+/-0.017 χ^2/NDF: 10285.8/26

Left Out: -0.666+/-0.008 χ^2/NDF:55276.7/23

Right Out: -0.221+/-0.018 χ^2/NDF: 60852.1/29

Left In: -0.646+/-0.008 χ^2/NDF:45569.5/22

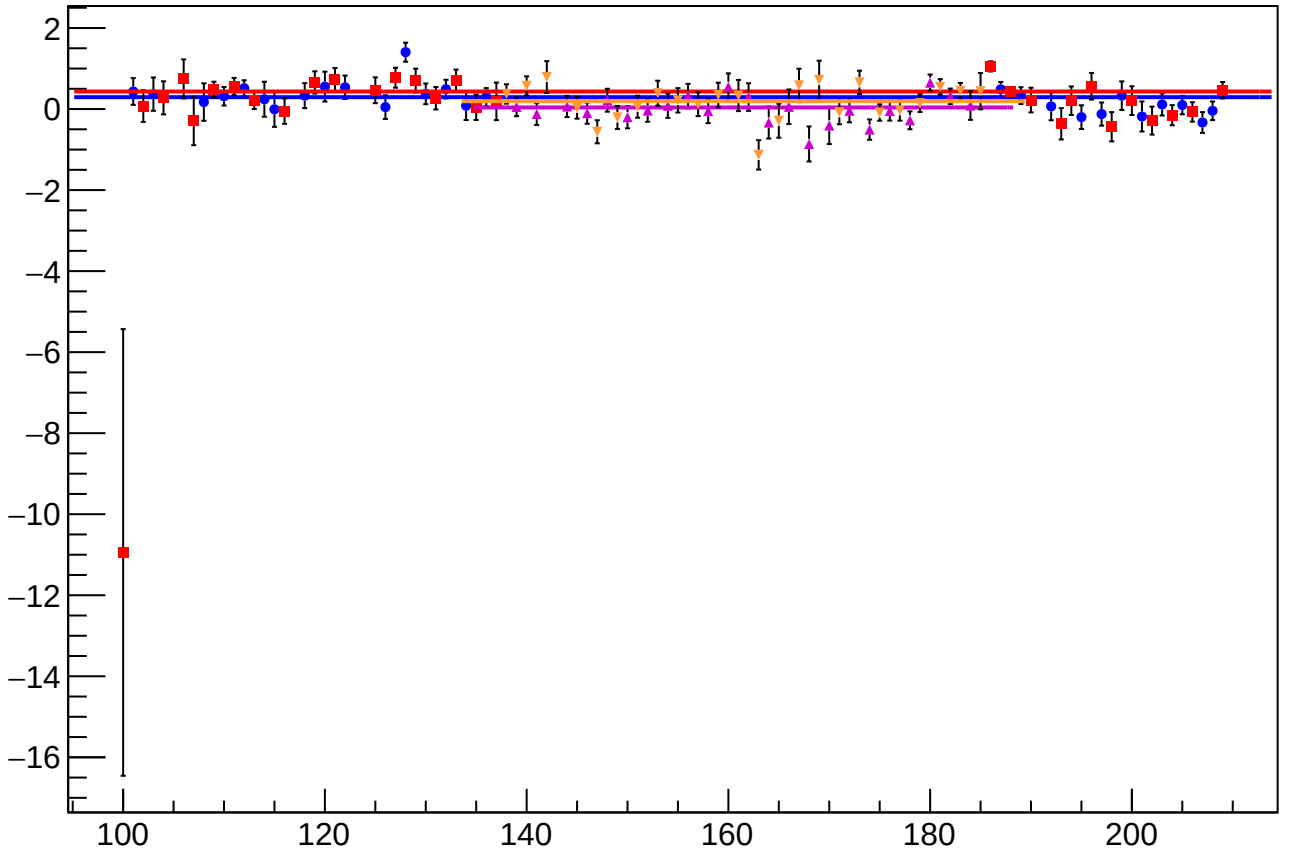
Left: -0.656+/-0.005 χ^2/NDF: 100849.5/46

Right: 0.170+/-0.012 χ^2/NDF: 72115.7/56

In: -0.455+/-0.007 χ^2/NDF:59871.7/49

Out: -0.597+/-0.007 χ^2/NDF:116668.6/53

All: -0.526+/-0.005 χ^2/NDF: 176752.4/103



Right In: 0.293+/-0.052 χ^2/NDF: 45.2/26

Left Out: 0.194+/-0.057 χ^2/NDF:44.2/23

Right Out: 0.433+/-0.046 χ^2/NDF: 68.5/29

Left In: 0.039+/-0.058 χ^2/NDF:30.5/22

Left: 0.118+/-0.040 χ^2/NDF: 78.4/46

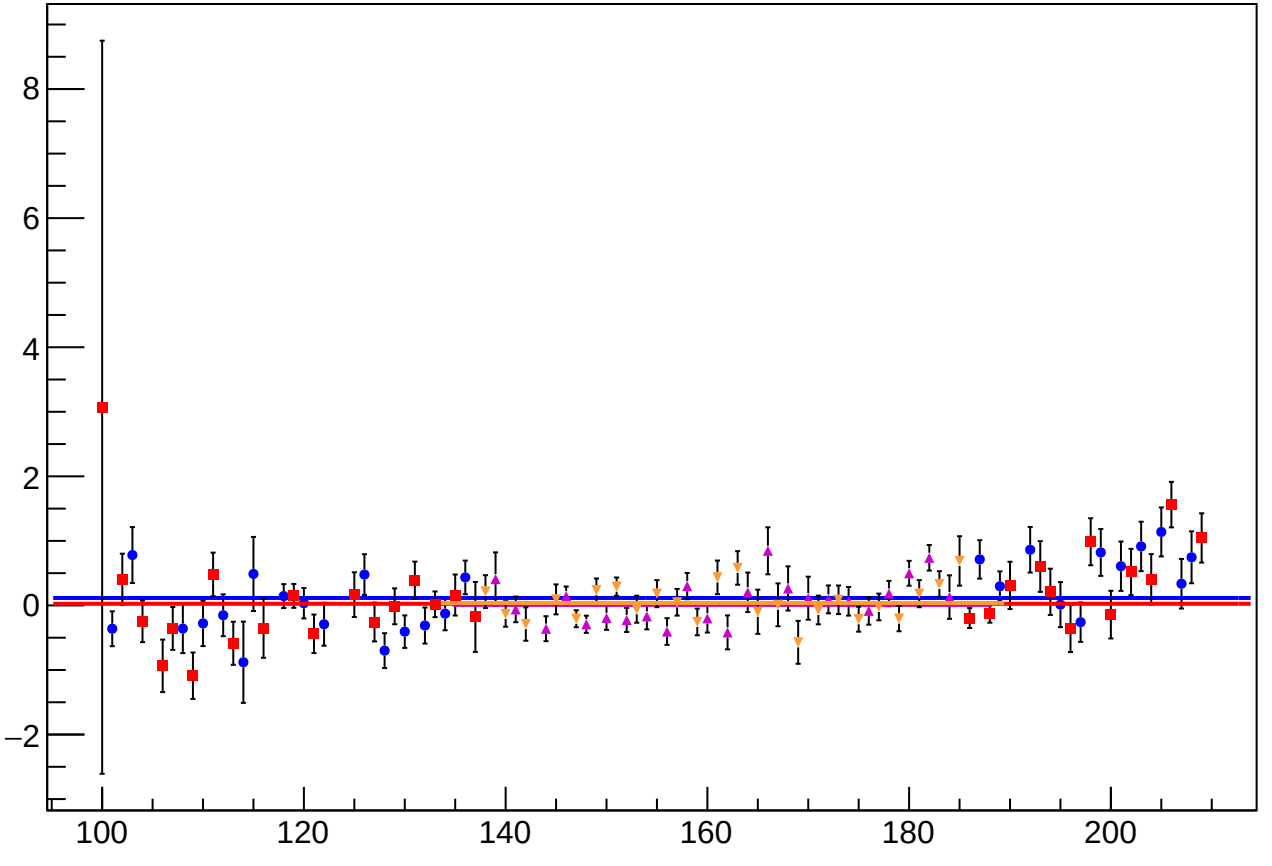
Right: 0.372+/-0.034 χ^2/NDF: 117.7/56

In: 0.179+/-0.039 χ^2/NDF:86.3/49

Out: 0.339+/-0.036 χ^2/NDF:123.4/53

All: 0.265+/-0.026 χ^2/NDF: 219.0/103

reg_asym_ds_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 0.116+/-0.059 χ^2/NDF: 63.6/26

Left Out: 0.038+/-0.043 χ^2/NDF:32.8/23

Right Out: 0.026+/-0.054 χ^2/NDF: 73.4/29

Left In: 0.008+/-0.044 χ^2/NDF:51.4/22

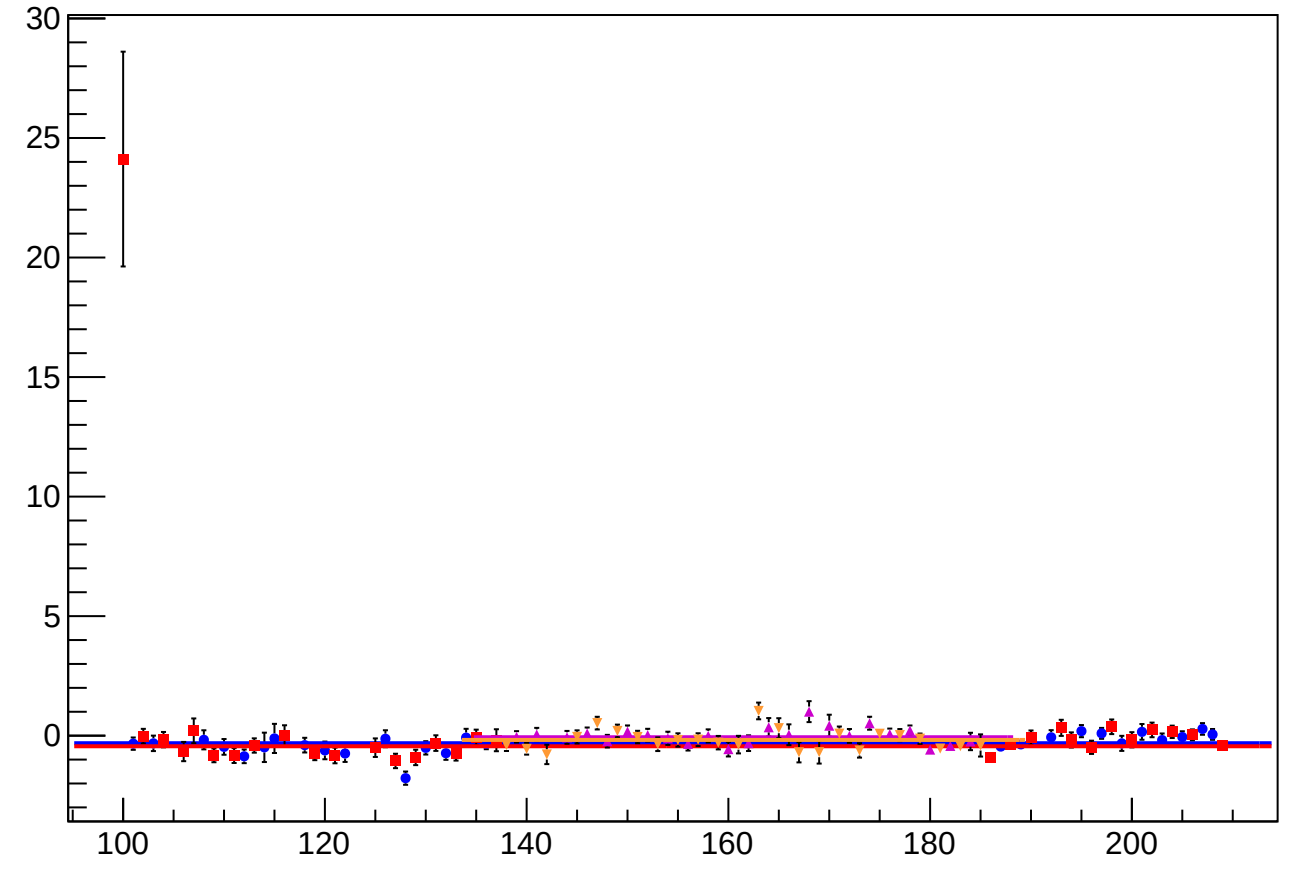
Left: 0.023+/-0.031 χ^2/NDF: 84.4/46

Right: 0.066+/-0.040 χ^2/NDF: 138.2/56

In: 0.047+/-0.035 χ^2/NDF:117.1/49

Out: 0.033+/-0.034 χ^2/NDF:106.2/53

All: 0.040+/-0.024 χ^2/NDF: 223.3/103



Right In: -0.315+/-0.052 χ^2/NDF: 58.6/26

Left Out: -0.178+/-0.056 χ^2/NDF:42.1/23

Right Out: -0.443+/-0.044 χ^2/NDF: 100.8/29

Left In: -0.066+/-0.057 χ^2/NDF:31.4/22

Left: -0.123+/-0.040 χ^2/NDF: 75.5/46

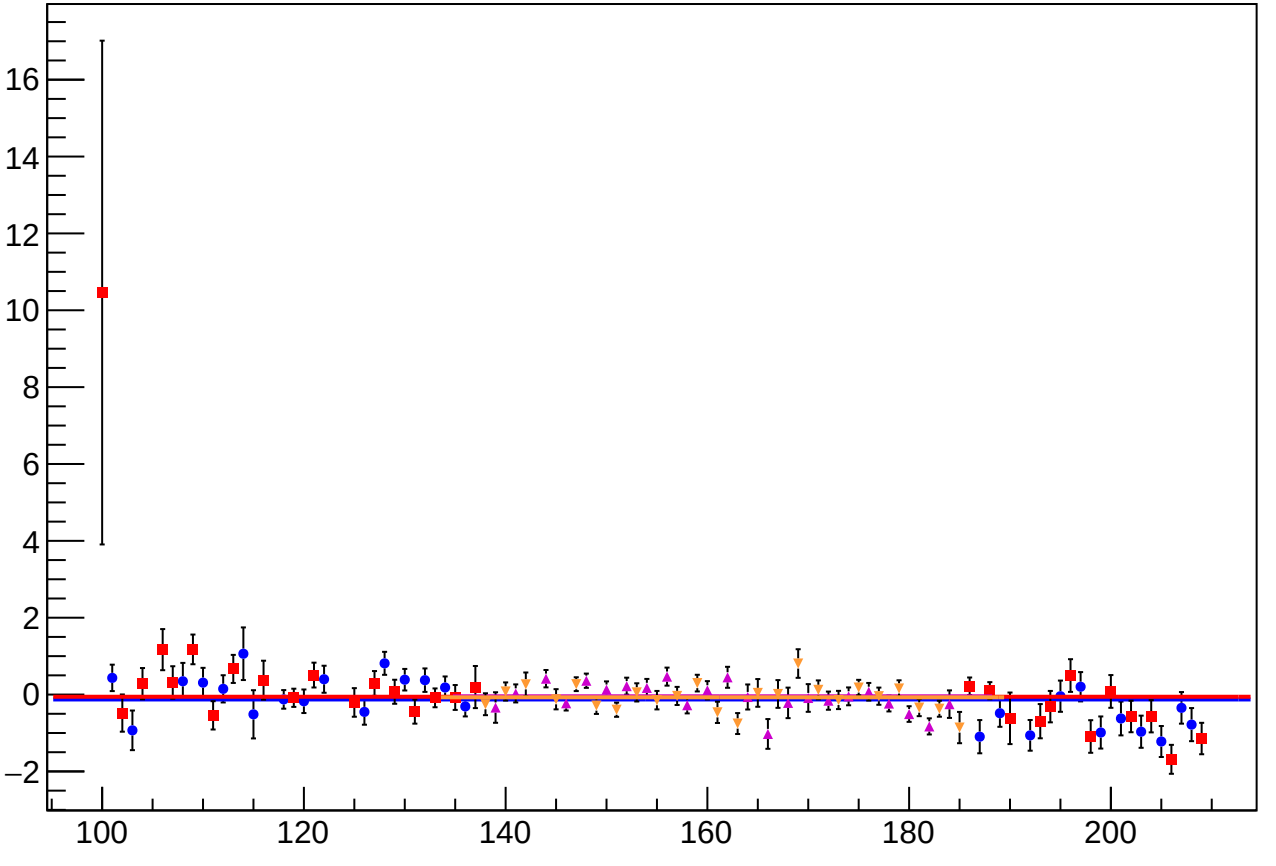
Right: -0.391+/-0.033 χ^2/NDF: 162.9/56

In: -0.201+/-0.038 χ^2/NDF:100.5/49

Out: -0.344+/-0.034 χ^2/NDF:156.8/53

All: -0.280+/-0.026 χ^2/NDF: 264.9/103

reg_asym_ds_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -0.128+/-0.069 χ^2/NDF: 64.0/26

Left Out: -0.072+/-0.049 χ^2/NDF:37.7/23

Right Out: -0.057+/-0.065 χ^2/NDF: 74.5/29

Left In: -0.047+/-0.050 χ^2/NDF:50.5/22

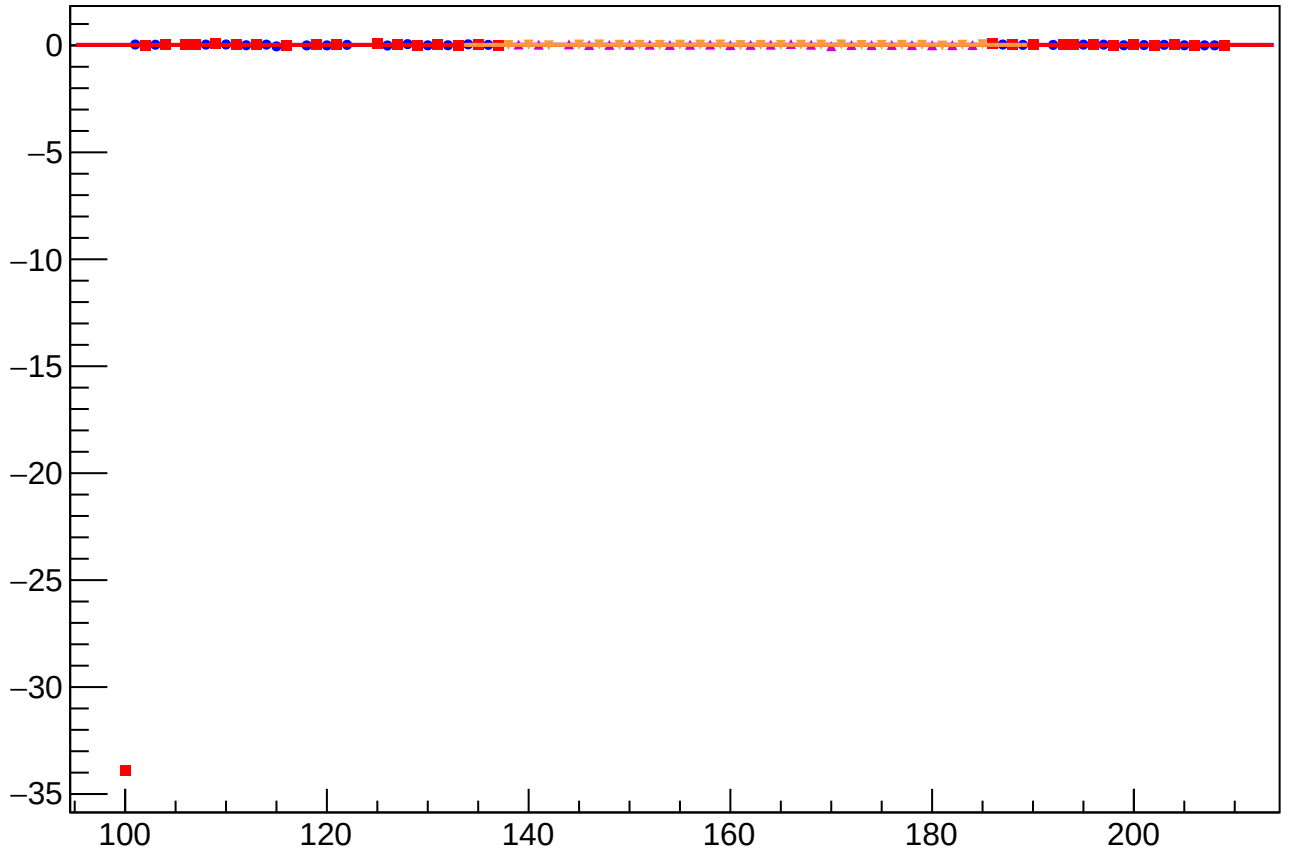
Left: -0.060+/-0.035 χ^2/NDF: 88.3/46

Right: -0.090+/-0.048 χ^2/NDF: 139.1/56

In: -0.075+/-0.041 χ^2/NDF:115.3/49

Out: -0.066+/-0.039 χ^2/NDF:112.3/53

All: -0.070+/-0.028 χ^2/NDF: 227.6/103



Right In: 0.023+/-0.003 χ^2/NDF: 23.7/26

Left Out: 0.026+/-0.002 χ^2/NDF:31.4/23

Right Out: 0.022+/-0.003 χ^2/NDF: 22315.3/29

Left In: 0.026+/-0.002 χ^2/NDF:39.5/22

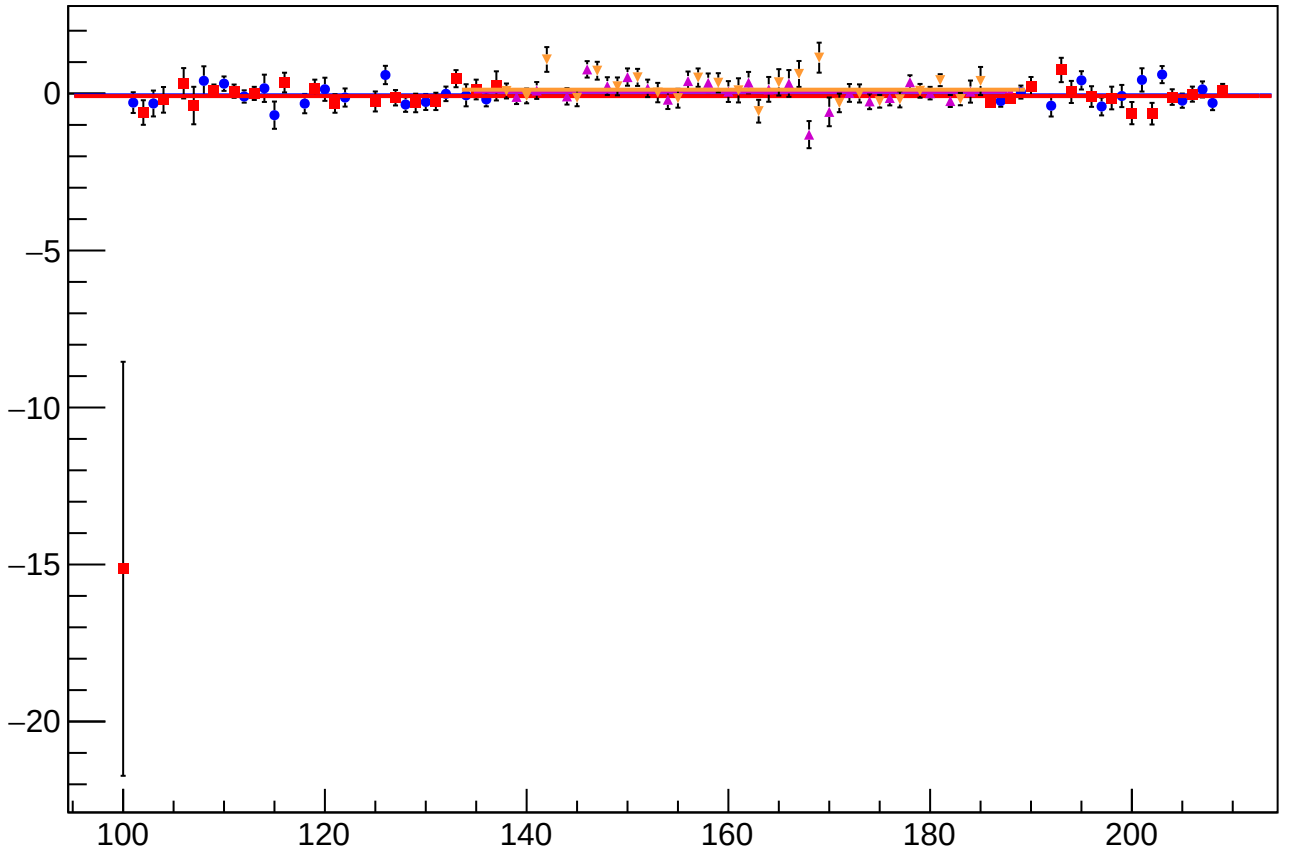
Left: 0.026+/-0.002 χ^2/NDF: 70.9/46

Right: 0.023+/-0.002 χ^2/NDF: 22339.1/56

In: 0.025+/-0.002 χ^2/NDF:63.7/49

Out: 0.025+/-0.002 χ^2/NDF:22348.0/53

All: 0.025+/-0.001 χ^2/NDF: 22411.8/103



Right In: -0.057+/-0.052 χ^2/NDF: 31.8/26

Left Out: 0.122+/-0.057 χ^2/NDF:39.6/23

Right Out: -0.083+/-0.046 χ^2/NDF: 34.4/29

Left In: 0.063+/-0.058 χ^2/NDF:34.2/22

Left: 0.093+/-0.040 χ^2/NDF: 74.4/46

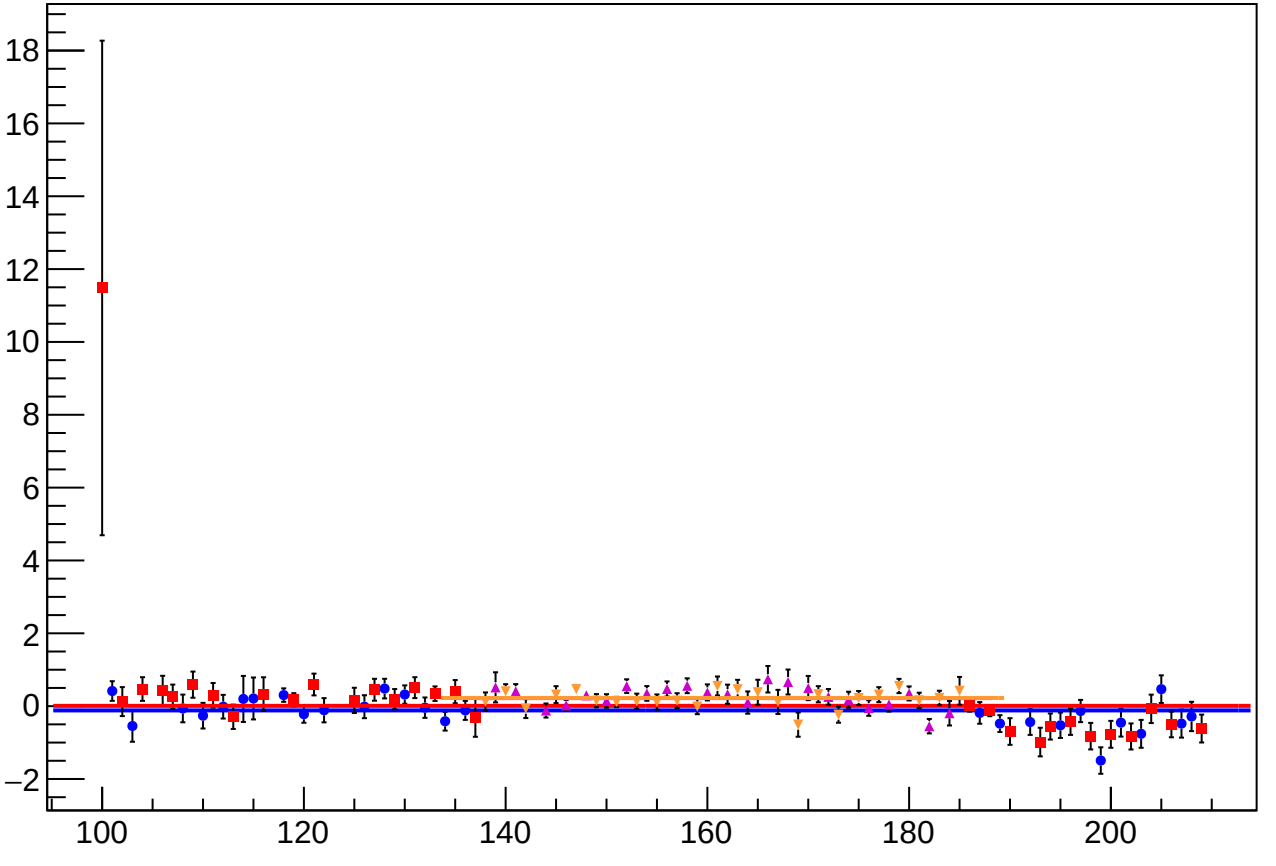
Right: -0.072+/-0.034 χ^2/NDF: 66.4/56

In: -0.003+/-0.039 χ^2/NDF:68.5/49

Out: -0.002+/-0.036 χ^2/NDF:81.9/53

All: -0.002+/-0.026 χ^2/NDF: 150.4/103

reg_asym_ds_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -0.117+/-0.059 χ^2/NDF: 46.6/26

Left Out: 0.225+/-0.043 χ^2/NDF:24.1/23

Right Out: 0.008+/-0.054 χ^2/NDF: 61.1/29

Left In: 0.221+/-0.044 χ^2/NDF:39.3/22

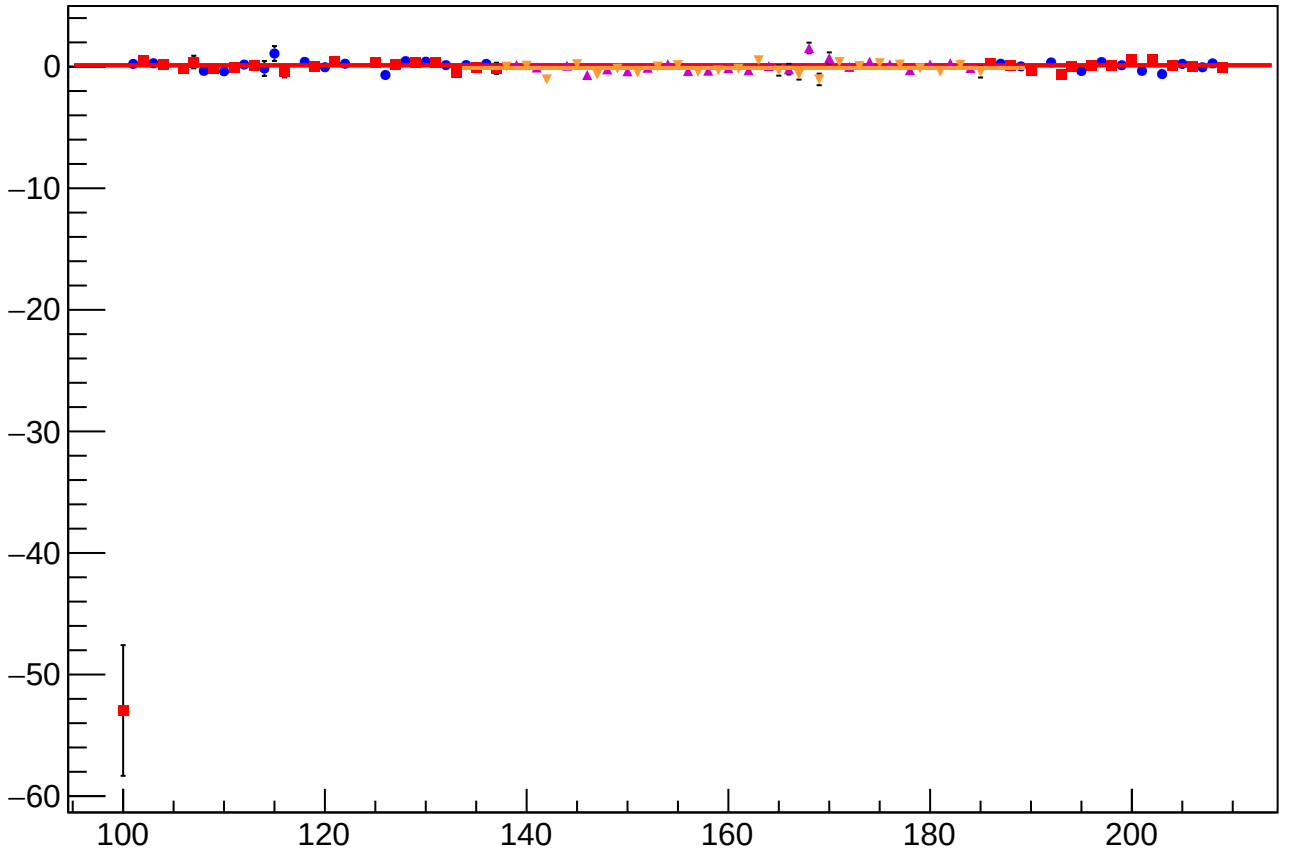
Left: 0.223+/-0.031 χ^2/NDF: 63.4/46

Right: -0.049+/-0.040 χ^2/NDF: 110.2/56

In: 0.100+/-0.035 χ^2/NDF:106.9/49

Out: 0.140+/-0.034 χ^2/NDF:95.1/53

All: 0.121+/-0.024 χ^2/NDF: 202.6/103



Right In: 0.110+/-0.052 χ^2/NDF: 32.1/26

Left Out: -0.105+/-0.056 χ^2/NDF:37.6/23

Right Out: 0.122+/-0.044 χ^2/NDF: 123.3/29

Left In: -0.009+/-0.057 χ^2/NDF:38.0/22

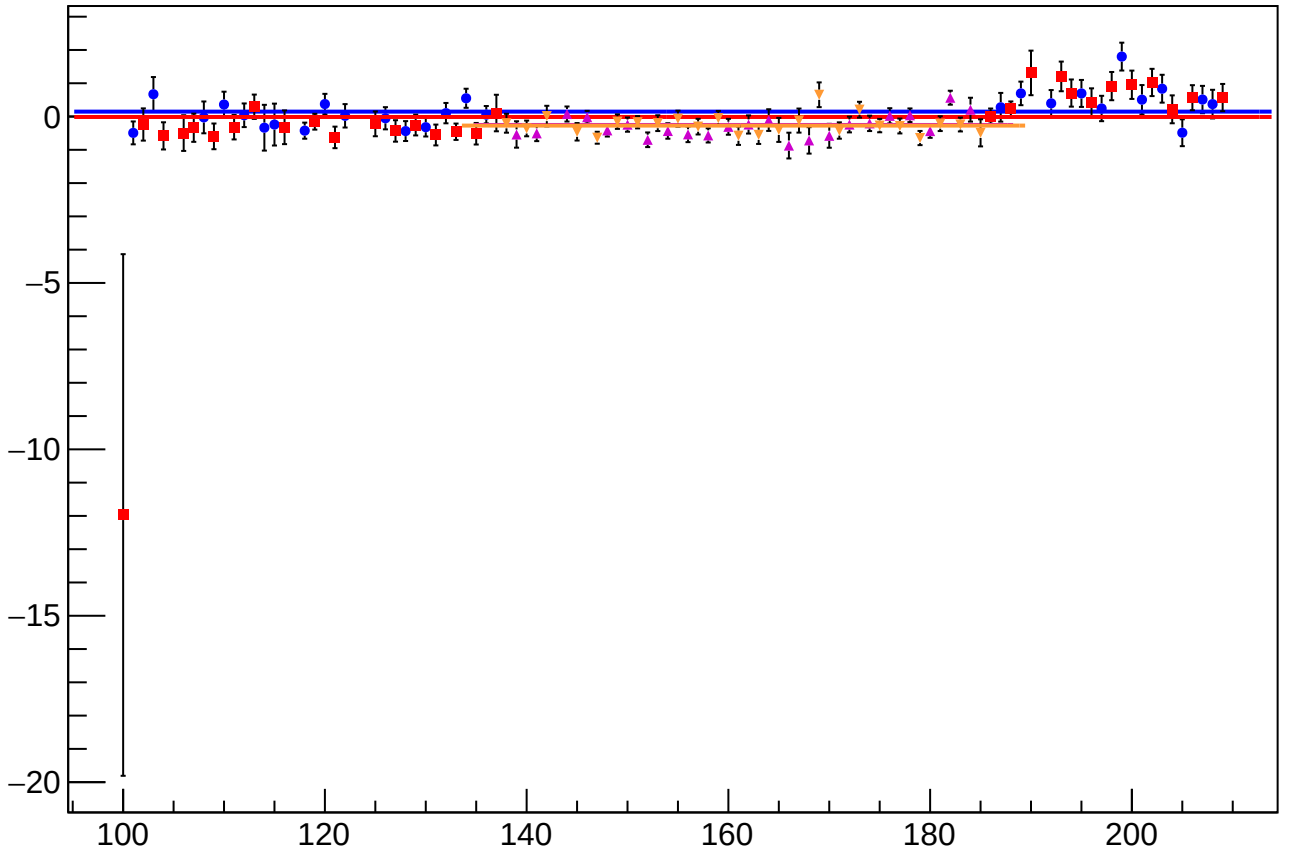
Left: -0.058+/-0.040 χ^2/NDF: 77.0/46

Right: 0.117+/-0.033 χ^2/NDF: 155.4/56

In: 0.055+/-0.038 χ^2/NDF:72.4/49

Out: 0.037+/-0.034 χ^2/NDF:171.1/53

All: 0.045+/-0.026 χ^2/NDF: 243.6/103



Right In: 0.148+/-0.069 χ^2/NDF: 48.5/26

Left Out: -0.272+/-0.049 χ^2/NDF:24.8/23

Right Out: -0.013+/-0.066 χ^2/NDF: 63.0/29

Left In: -0.254+/-0.050 χ^2/NDF:40.6/22

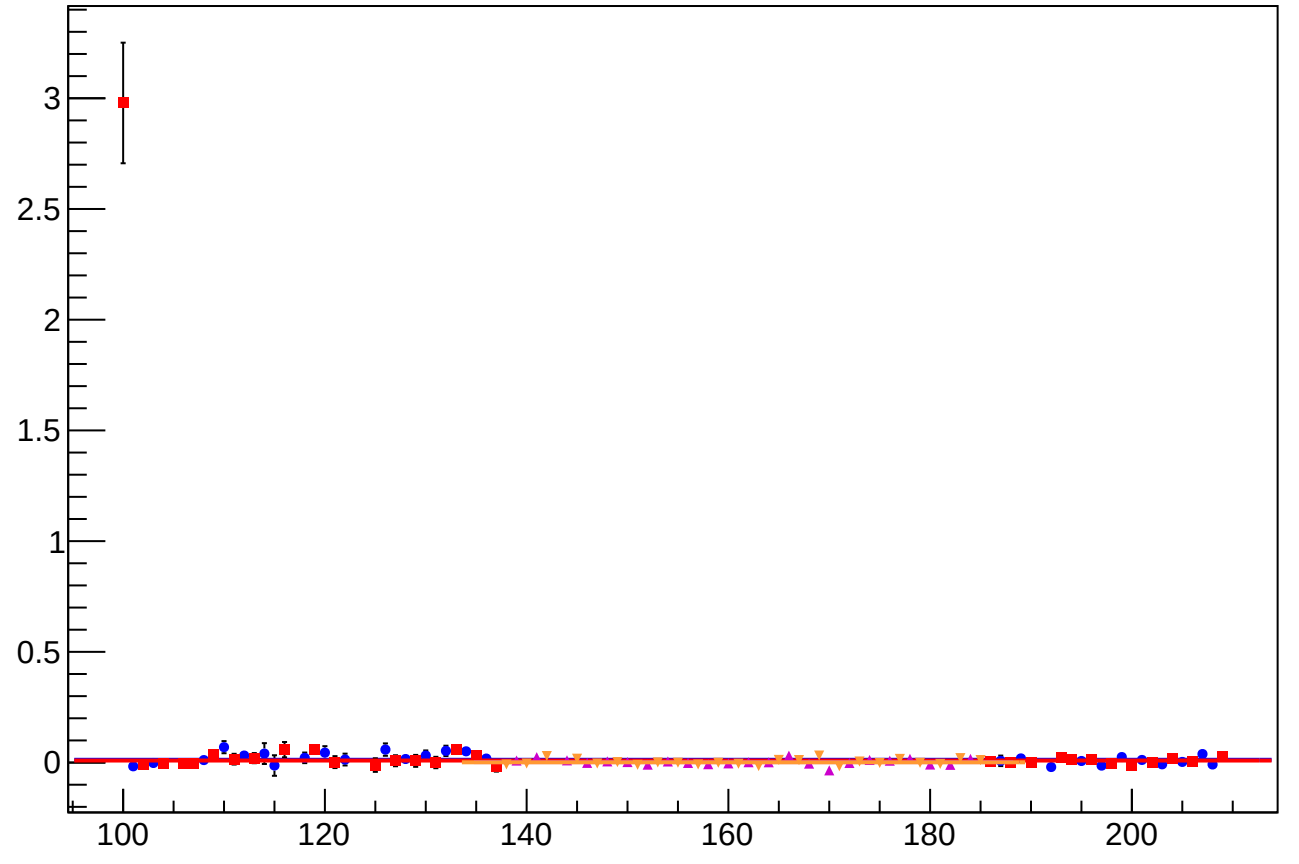
Left: -0.263+/-0.035 χ^2/NDF: 65.5/46

Right: 0.063+/-0.048 χ^2/NDF: 114.4/56

In: -0.115+/-0.041 χ^2/NDF:111.2/49

Out: -0.178+/-0.039 χ^2/NDF:97.8/53

All: -0.148+/-0.028 χ^2/NDF: 210.2/103



Right In: 0.013+/-0.003 χ^2/NDF: 44.3/26

Left Out: 0.001+/-0.002 χ^2/NDF:26.7/23

Right Out: 0.009+/-0.003 χ^2/NDF: 150.5/29

Left In: 0.002+/-0.002 χ^2/NDF:24.6/22

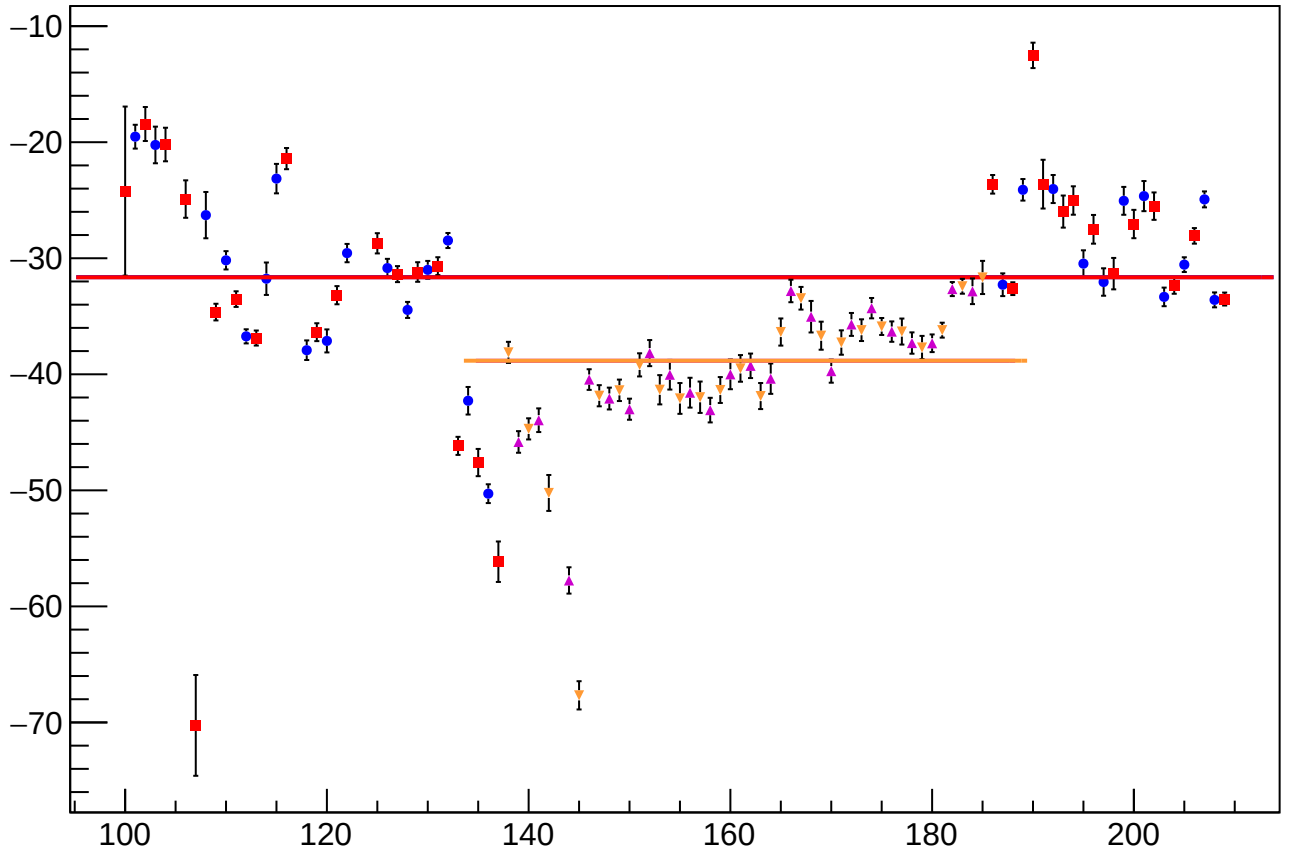
Left: 0.002+/-0.002 χ^2/NDF: 51.5/46

Right: 0.011+/-0.002 χ^2/NDF: 195.3/56

In: 0.006+/-0.002 χ^2/NDF:75.8/49

Out: 0.004+/-0.002 χ^2/NDF:181.6/53

All: 0.005+/-0.001 χ^2/NDF: 257.8/103



Right In: -31.629+/-0.168 χ^2/NDF: 1339.6/26

Left Out: -38.829+/-0.202 χ^2/NDF:917.0/23

Right Out: -31.642+/-0.161 χ^2/NDF: 1804.5/30

Left In: -38.837+/-0.203 χ^2/NDF:653.4/22

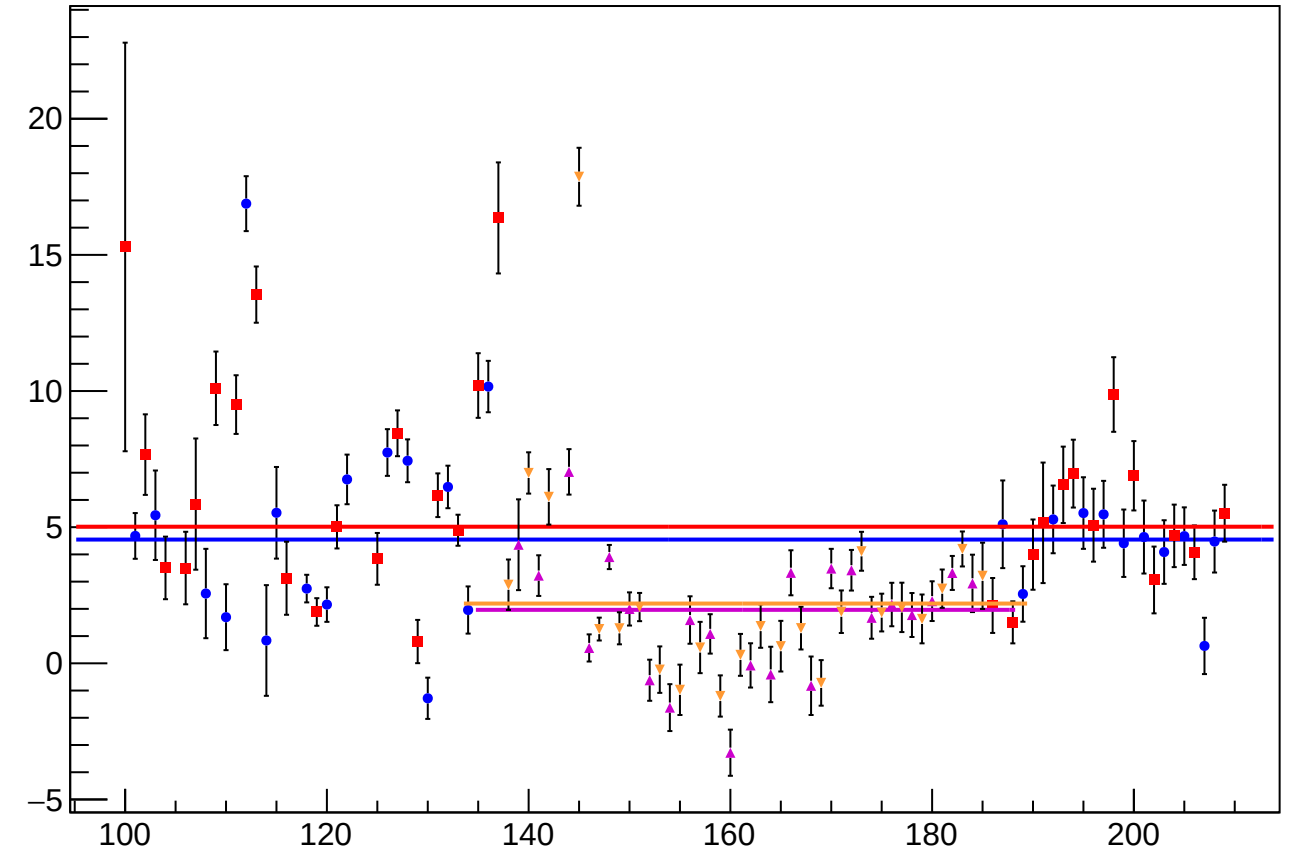
Left: -38.833+/-0.143 χ^2/NDF: 1570.4/46

Right: -31.636+/-0.116 χ^2/NDF: 3144.1/57

In: -34.561+/-0.130 χ^2/NDF:2738.0/49

Out: -34.425+/-0.126 χ^2/NDF:3496.9/54

All: -34.491+/-0.090 χ^2/NDF: 6235.5/104



Right In: 4.545+/-0.187 χ^2/NDF: 350.3/26

Left Out: 2.195+/-0.152 χ^2/NDF:365.1/23

Right Out: 5.017+/-0.183 χ^2/NDF: 298.2/30

Left In: 1.964+/-0.155 χ^2/NDF:173.2/22

Left: 2.081+/-0.109 χ^2/NDF: 539.4/46

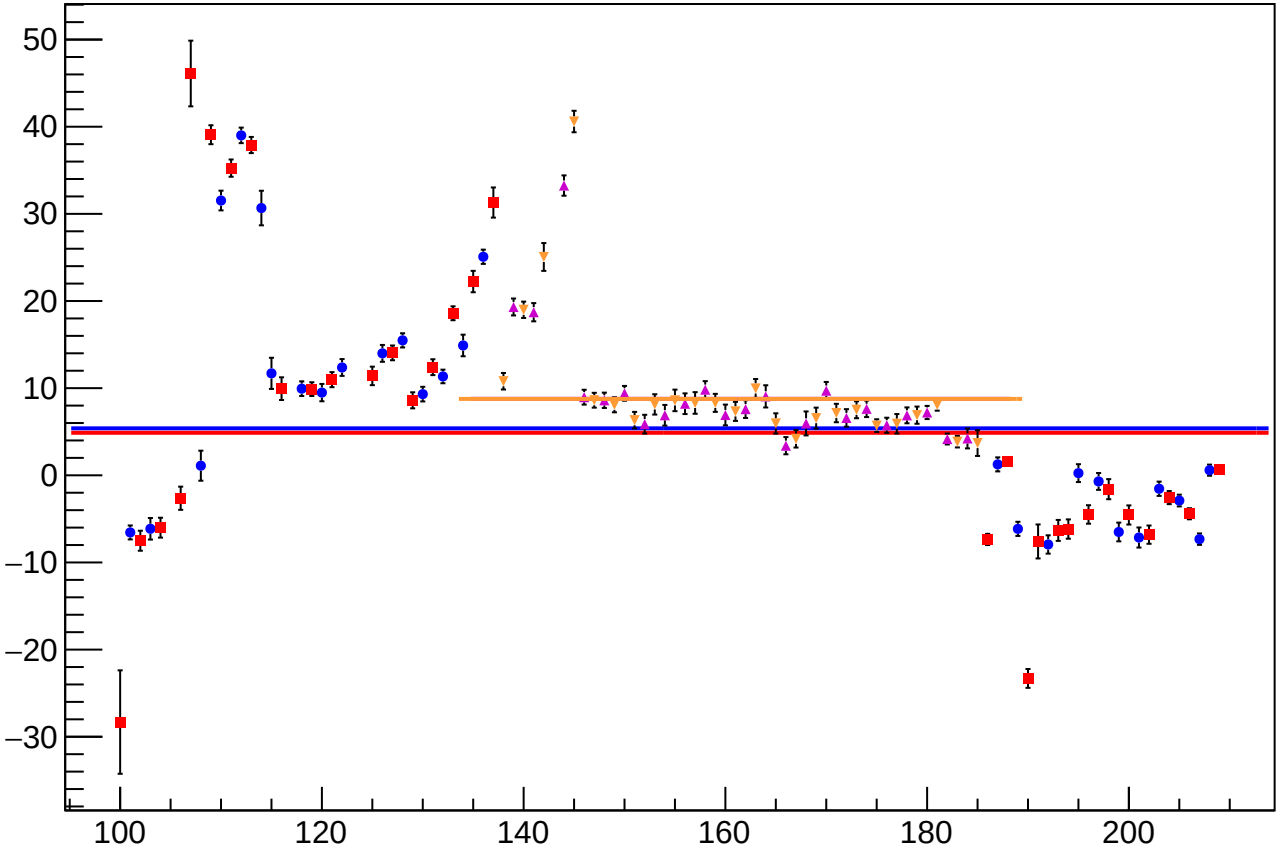
Right: 4.786+/-0.131 χ^2/NDF: 651.8/57

In: 3.013+/-0.119 χ^2/NDF:636.6/49

Out: 3.346+/-0.117 χ^2/NDF:803.6/54

All: 3.182+/-0.084 χ^2/NDF: 1444.1/104

reg_asym_left_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 5.388+/-0.175 χ^2/NDF: 4846.6/26

Left Out: 8.766+/-0.200 χ^2/NDF:1035.4/23

Right Out: 4.880+/-0.165 χ^2/NDF: 6662.8/30

Left In: 8.773+/-0.201 χ^2/NDF:795.1/22

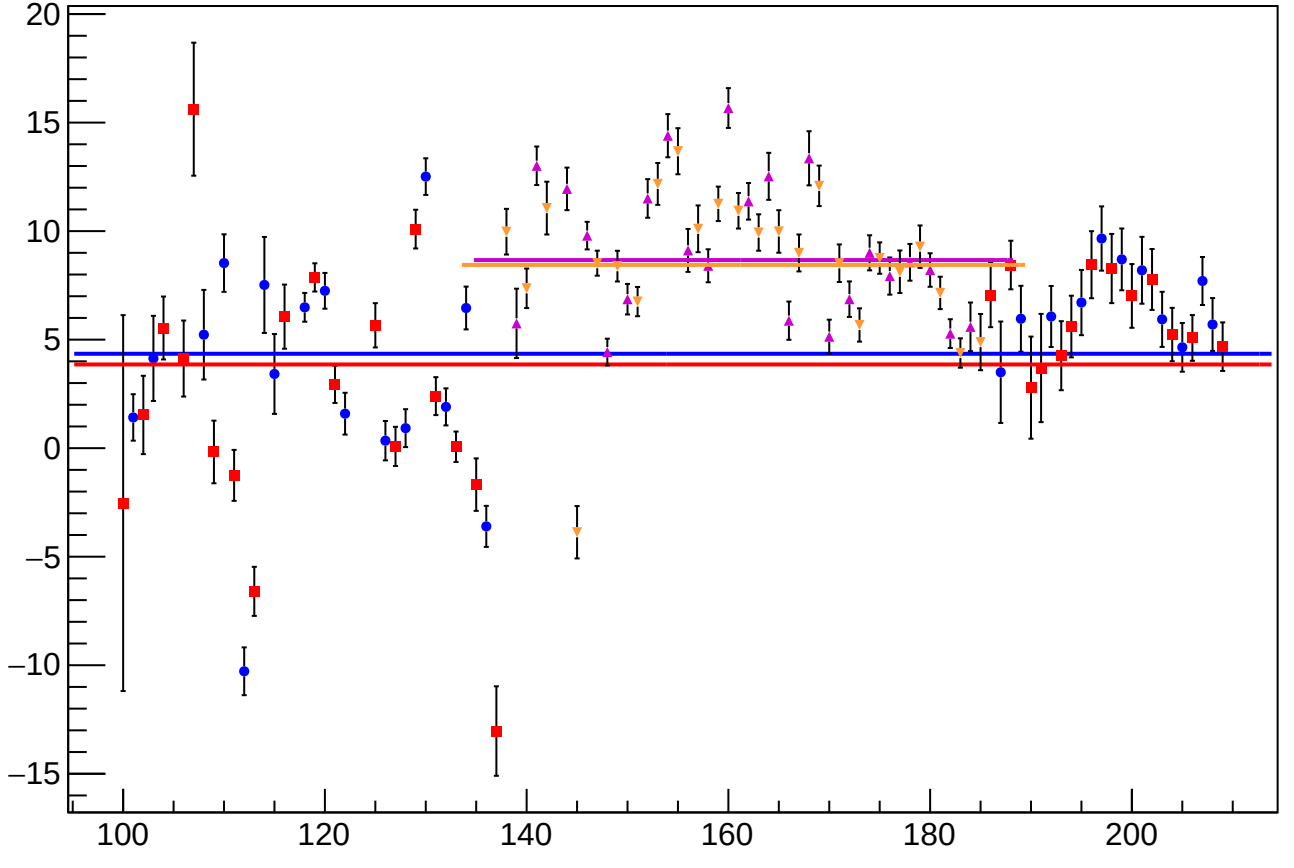
Left: 8.769+/-0.142 χ^2/NDF: 1830.5/46

Right: 5.118+/-0.120 χ^2/NDF: 11513.8/57

In: 6.847+/-0.132 χ^2/NDF:5802.4/49

Out: 6.447+/-0.127 χ^2/NDF:7922.3/54

All: 6.639+/-0.092 χ^2/NDF: 13729.4/104



Right In: 4.349+/-0.216 χ^2/NDF: 485.1/26

Left Out: 8.442+/-0.174 χ^2/NDF:264.2/23

Right Out: 3.856+/-0.214 χ^2/NDF: 416.9/30

Left In: 8.666+/-0.176 χ^2/NDF:304.8/22

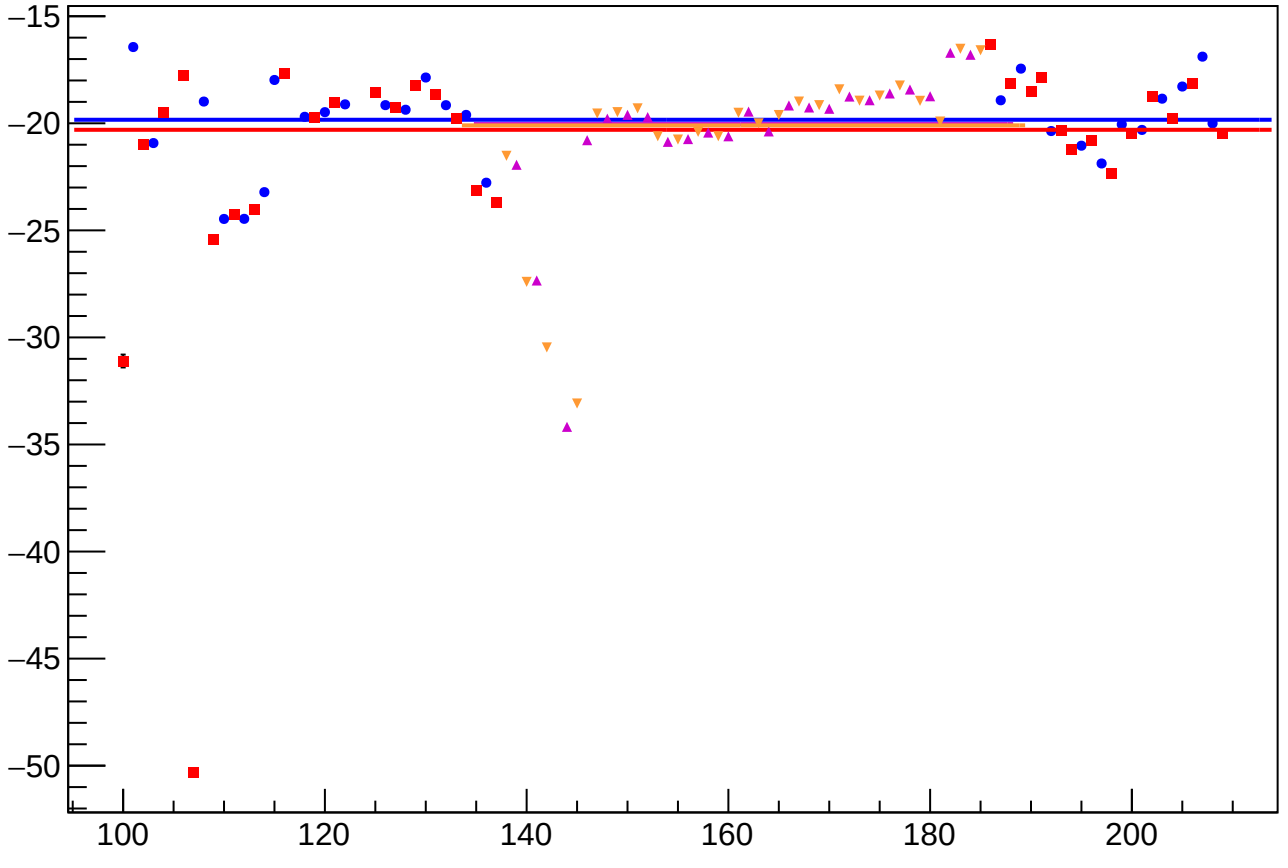
Left: 8.553+/-0.123 χ^2/NDF: 569.8/46

Right: 4.101+/-0.152 χ^2/NDF: 904.6/57

In: 6.950+/-0.136 χ^2/NDF:1030.0/49

Out: 6.628+/-0.135 χ^2/NDF:957.4/54

All: 6.787+/-0.096 χ^2/NDF: 1990.2/104



Right In: -19.835+/-0.011 χ^2/NDF: 31006.7/26

Left Out: -20.096+/-0.008 χ^2/NDF:159293.0/23

Right Out: -20.304+/-0.011 χ^2/NDF: 71484.5/30

Left In: -20.037+/-0.008 χ^2/NDF:132291.6/22

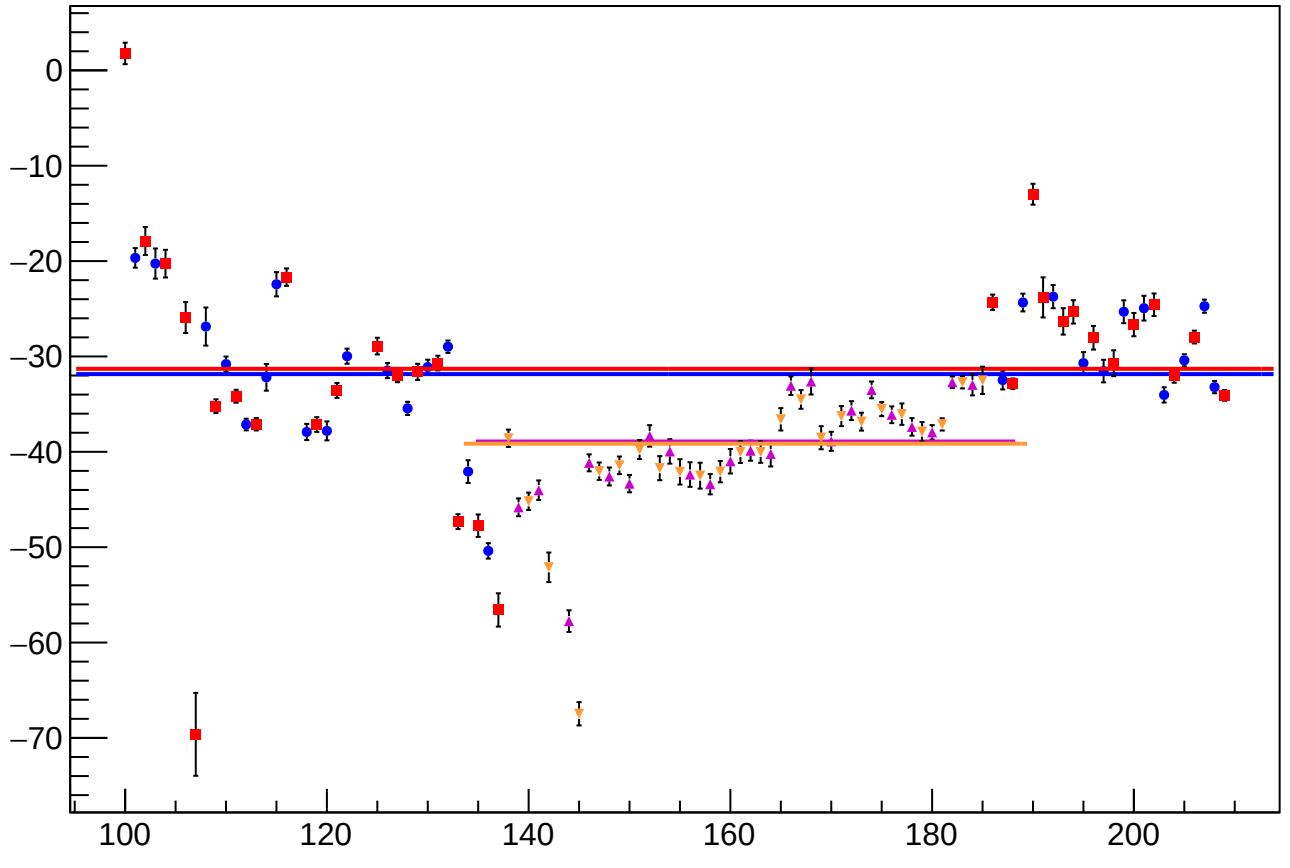
Left: -20.067+/-0.006 χ^2/NDF: 291612.1/46

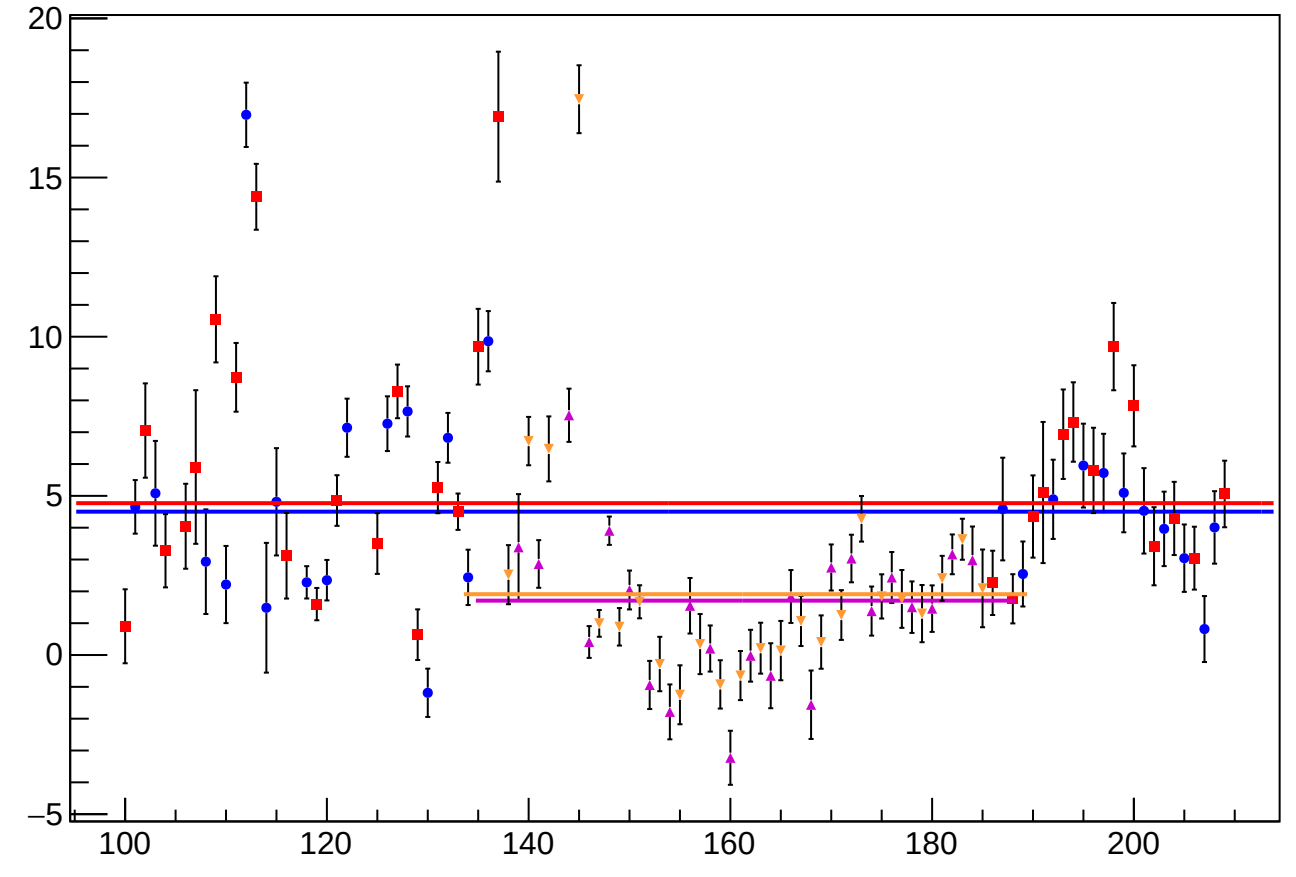
Right: -20.074+/-0.008 χ^2/NDF: 103453.6/57

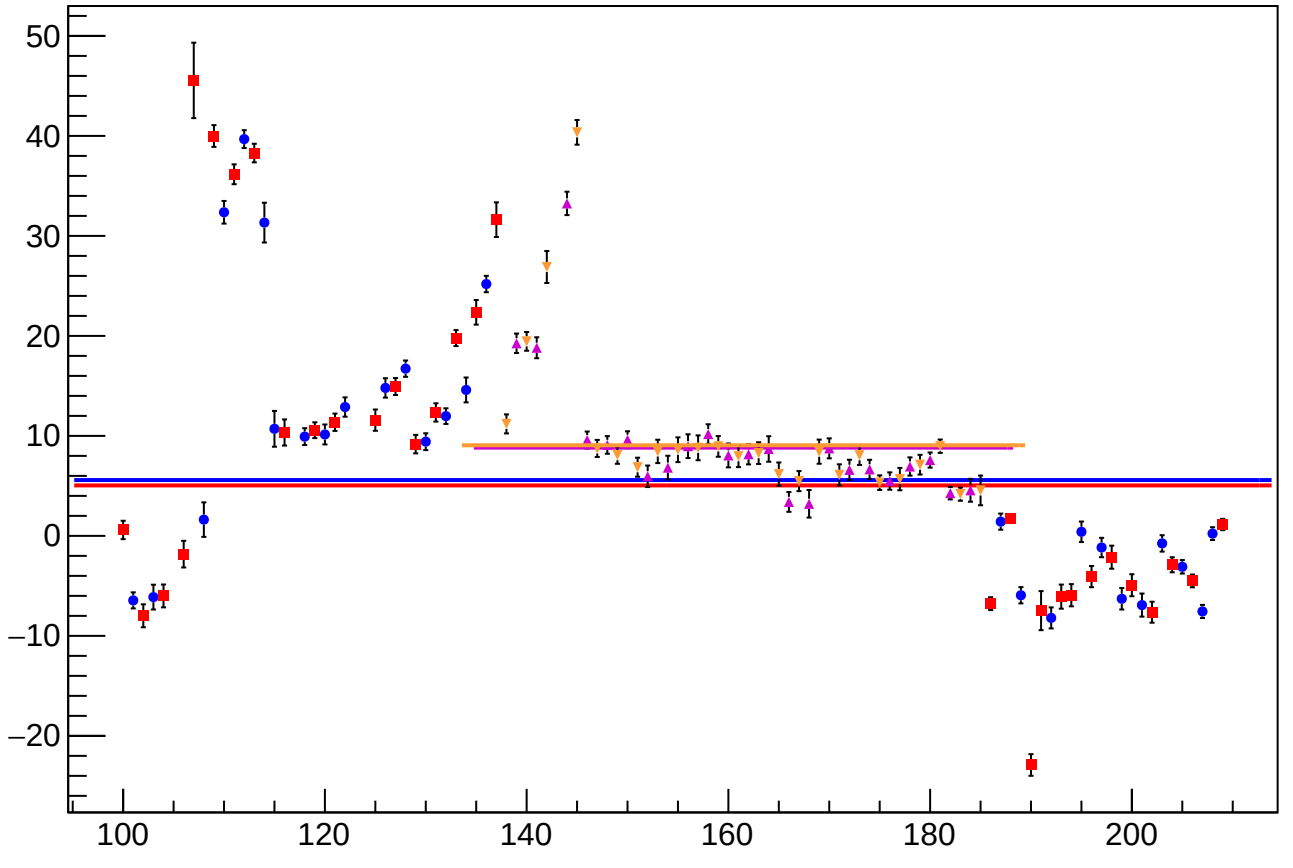
In: -19.967+/-0.006 χ^2/NDF:163527.7/49

Out: -20.171+/-0.006 χ^2/NDF:231025.0/54

All: -20.069+/-0.004 χ^2/NDF: 395066.3/104


reg_asym_left_dd_diff_bpm1X_slope vs Slug, Sign Corrected
0
−10
−20
−30
−40
−50
−60
−70
100
120
140
160
180
200
Right In: -31.852+/-0.169 χ²/NDF: 1360.6/26
Left Out: -39.148+/-0.202 χ²/NDF:898.8/23
Right Out: -31.296+/-0.159 χ²/NDF: 2746.2/30
Left In: -38.921+/-0.204 χ²/NDF:684.4/22
Left: -39.036+/-0.144 χ²/NDF: 1583.8/46
Right: -31.558+/-0.116 χ²/NDF: 4112.6/57
In: -34.728+/-0.130 χ²/NDF:2758.9/49
Out: -34.299+/-0.125 χ²/NDF:4574.0/54
All: -34.506+/-0.090 χ²/NDF: 7338.6/104


reg_asym_left_dd_diff_bpm4aY_slope vs Slug, Sign Corrected
20
15
10
5
0
−5
100
120
140
160
180
200
Right In: 4.503+/-0.187 χ²/NDF: 348.1/26
Left Out: 1.911+/-0.152 χ²/NDF:359.3/23
Right Out: 4.771+/-0.182 χ²/NDF: 325.1/30
Left In: 1.709+/-0.155 χ²/NDF:182.6/22
Left: 1.811+/-0.109 χ²/NDF: 542.8/46
Right: 4.641+/-0.130 χ²/NDF: 674.2/57
In: 2.844+/-0.119 χ²/NDF:662.8/49
Out: 3.094+/-0.117 χ²/NDF:829.9/54
All: 2.972+/-0.083 χ²/NDF: 1495.0/104



Right In: 5.582+/-0.176 χ^2/NDF: 5011.4/26

Left Out: 9.061+/-0.201 χ^2/NDF:1033.5/23

Right Out: 5.047+/-0.163 χ^2/NDF: 6837.3/30

Left In: 8.826+/-0.202 χ^2/NDF:801.4/22

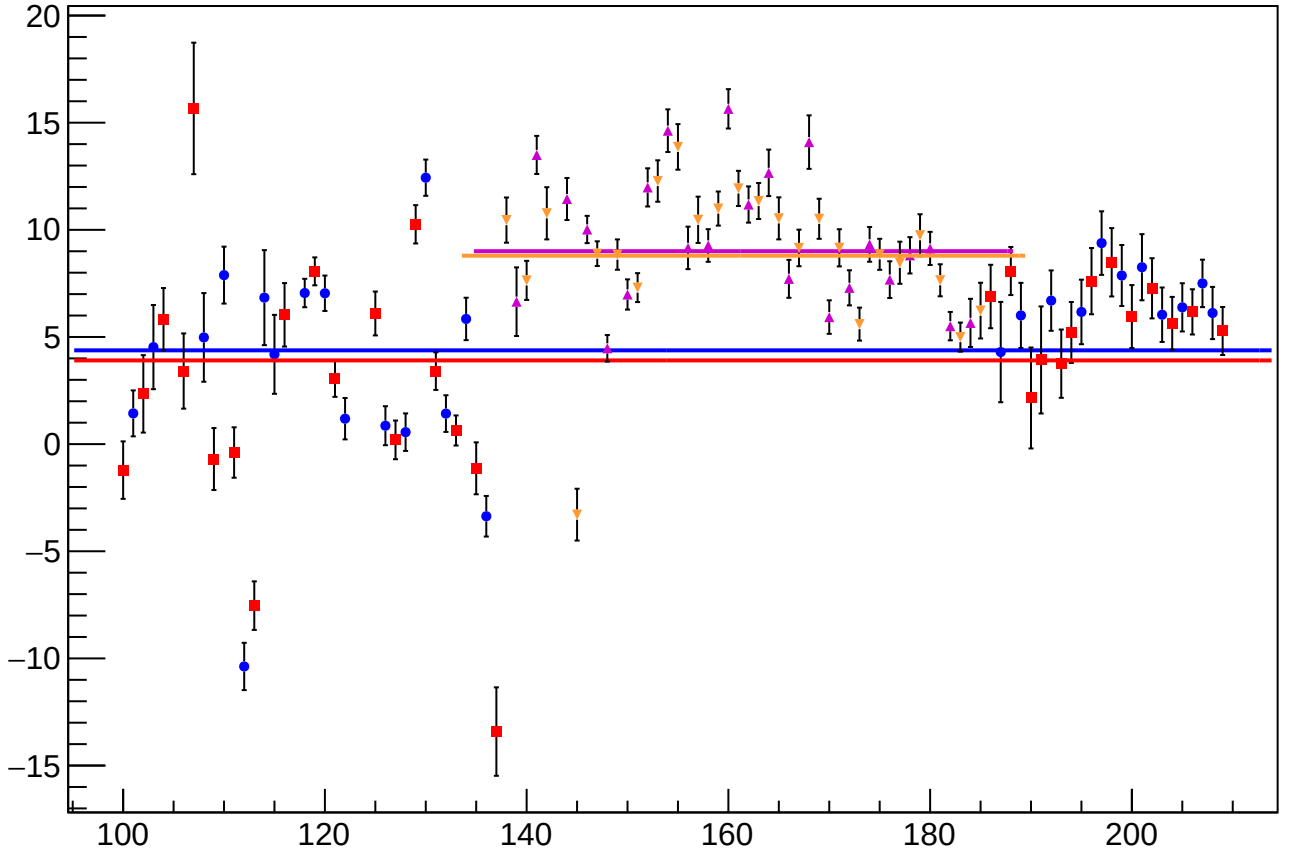
Left: 8.944+/-0.142 χ^2/NDF: 1835.6/46

Right: 5.293+/-0.119 χ^2/NDF: 11853.7/57

In: 6.980+/-0.133 χ^2/NDF:5959.8/49

Out: 6.635+/-0.126 χ^2/NDF:8112.2/54

All: 6.799+/-0.091 χ^2/NDF: 14075.5/104



Right In: 4.376+/-0.217 χ^2/NDF: 481.7/26

Left Out: 8.793+/-0.174 χ^2/NDF:244.1/23

Right Out: 3.906+/-0.212 χ^2/NDF: 431.7/30

Left In: 9.004+/-0.176 χ^2/NDF:289.6/22

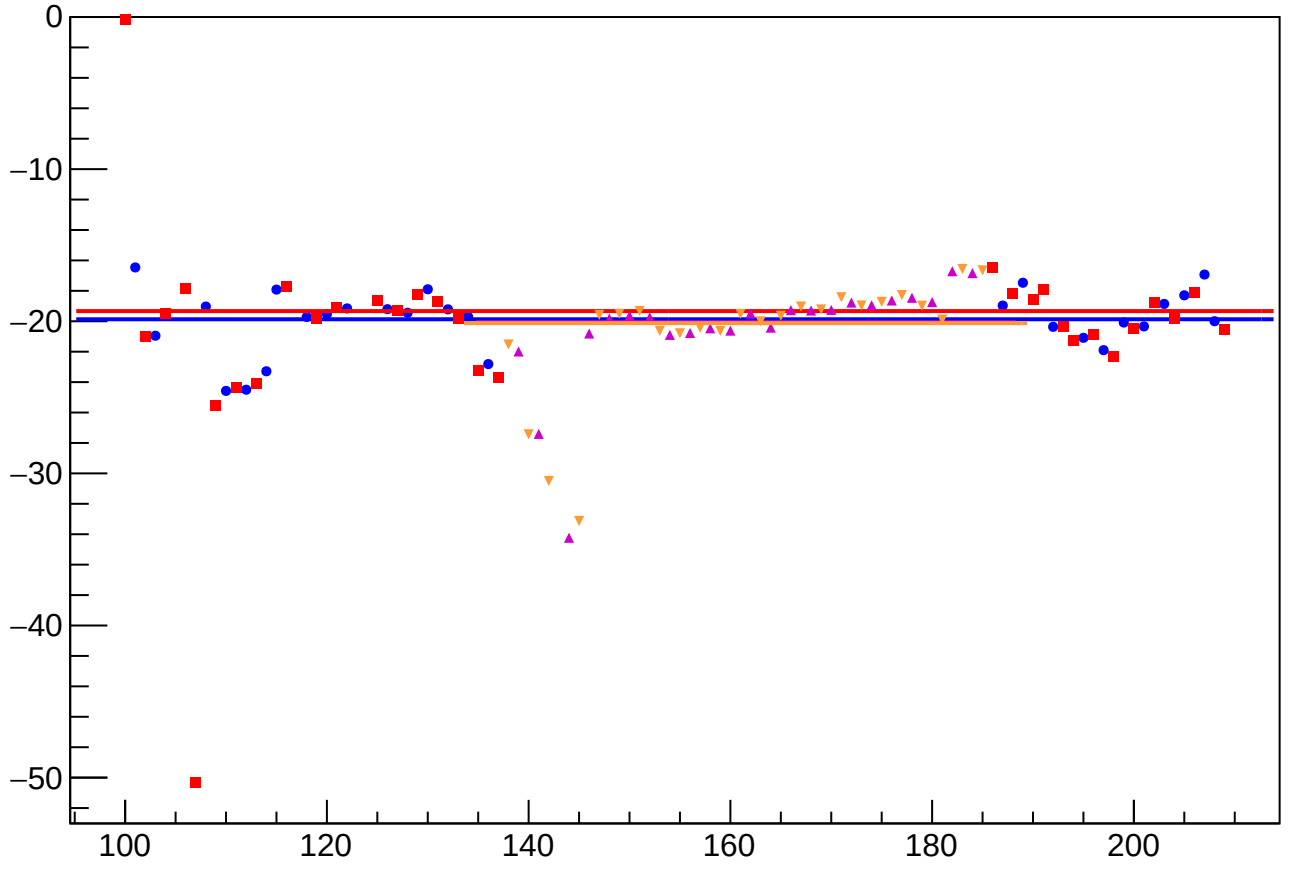
Left: 8.897+/-0.124 χ^2/NDF: 534.4/46

Right: 4.136+/-0.152 χ^2/NDF: 915.8/57

In: 7.164+/-0.137 χ^2/NDF:1046.1/49

Out: 6.830+/-0.135 χ^2/NDF:993.0/54

All: 6.995+/-0.096 χ^2/NDF: 2042.2/104



Right In: -19.869+/-0.011 χ^2/NDF: 31018.6/26

Left Out: -20.123+/-0.008 χ^2/NDF:158578.7/23

Right Out: -19.331+/-0.010 χ^2/NDF: 248068.0/30

Left In: -20.063+/-0.008 χ^2/NDF:132690.0/22

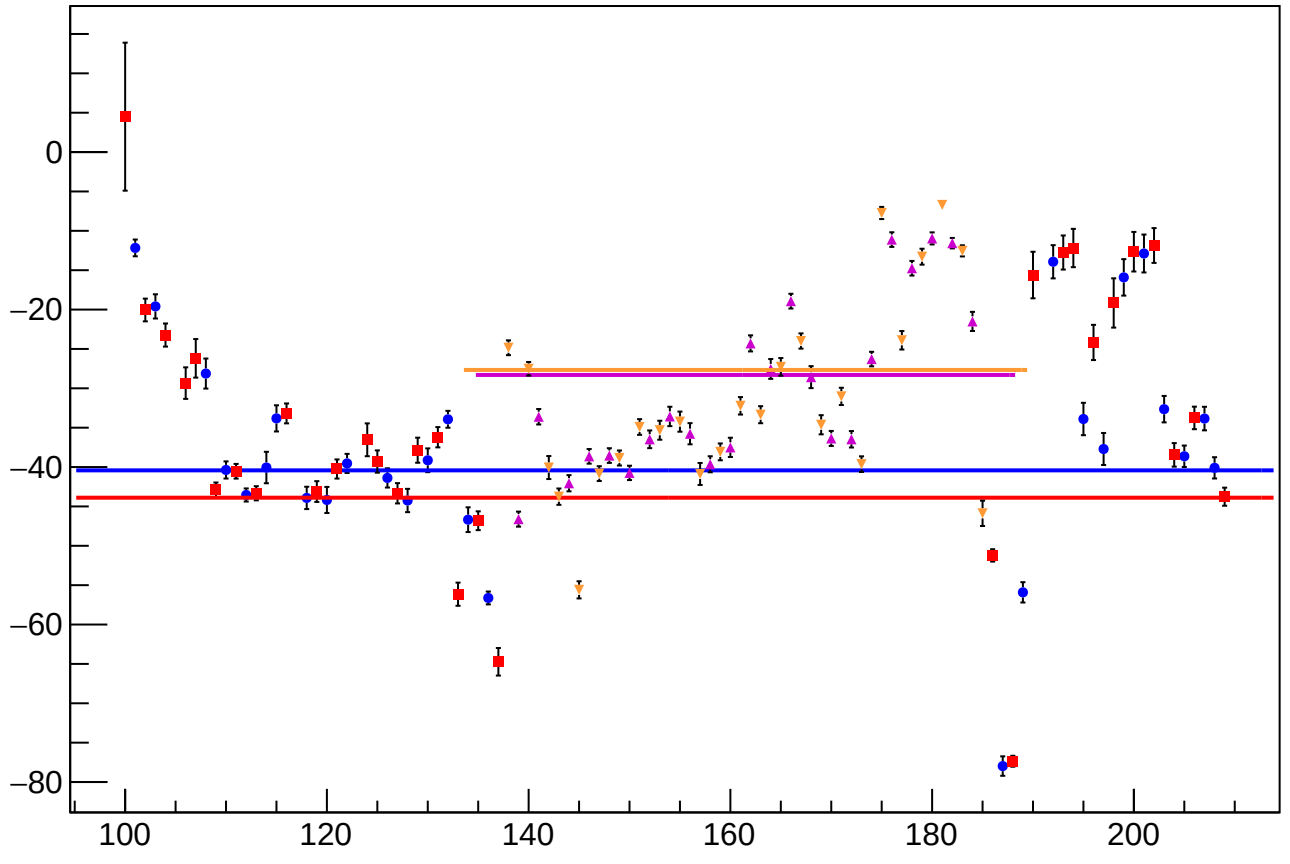
Left: -20.093+/-0.006 χ^2/NDF: 291297.6/46

Right: -19.588+/-0.007 χ^2/NDF: 280377.3/57

In: -19.995+/-0.006 χ^2/NDF:163918.4/49

Out: -19.830+/-0.006 χ^2/NDF:410339.1/54

All: -19.911+/-0.004 χ^2/NDF: 574599.0/104



Right In: -40.420+/-0.262 χ^2/NDF: 2950.1/26

Left Out: -27.668+/-0.200 χ^2/NDF:4396.9/24

Right Out: -43.890+/-0.241 χ^2/NDF: 4425.4/30

Left In: -28.303+/-0.206 χ^2/NDF:3273.4/22

Left: -27.977+/-0.144 χ^2/NDF: 7675.2/47

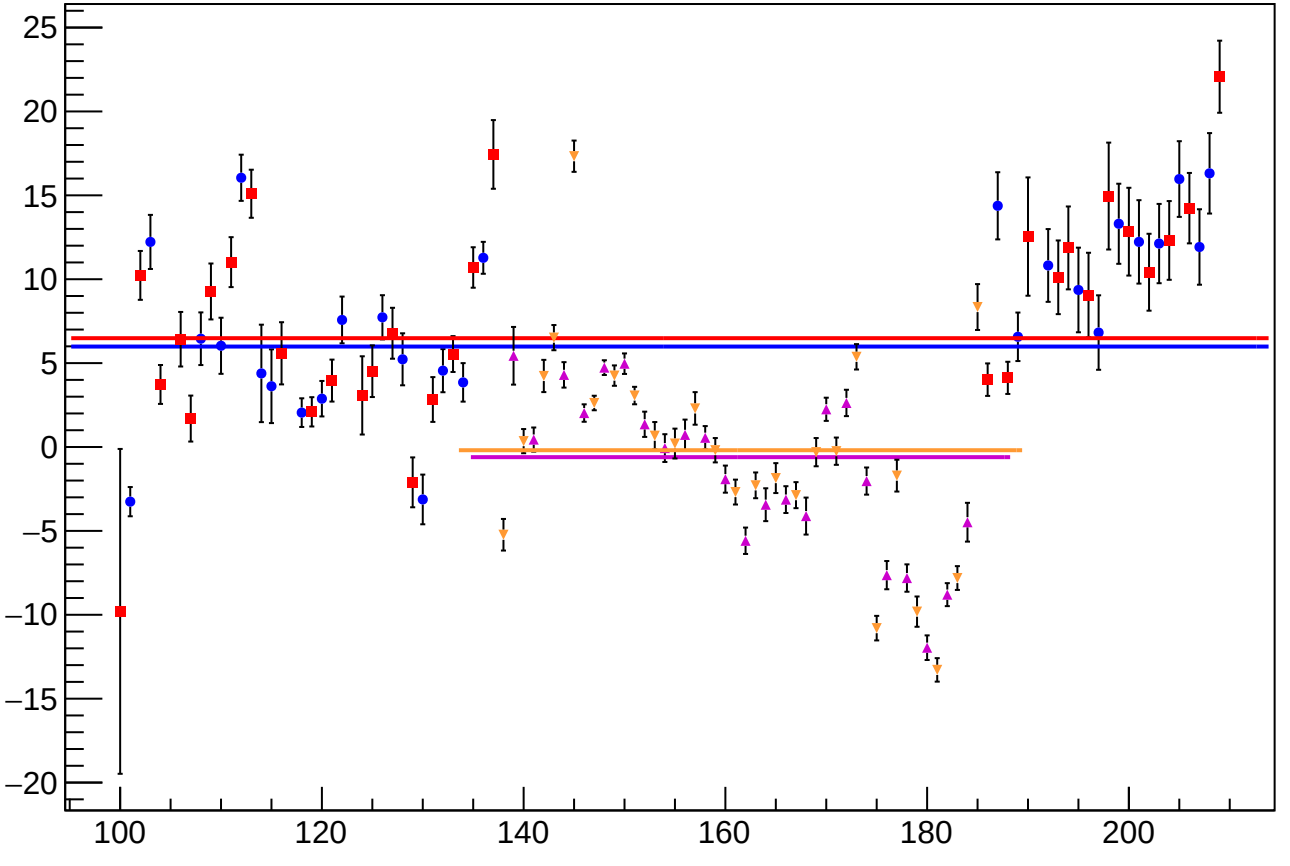
Right: -42.296+/-0.178 χ^2/NDF: 7470.3/57

In: -32.926+/-0.162 χ^2/NDF:7546.6/49

Out: -34.286+/-0.154 χ^2/NDF:11493.9/55

All: -33.638+/-0.112 χ^2/NDF: 19077.5/105

reg_asym_right_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 5.987+/-0.284 χ^2/NDF: 381.4/26

Left Out: -0.192+/-0.150 χ^2/NDF:1545.3/24

Right Out: 6.486+/-0.274 χ^2/NDF: 303.8/30

Left In: -0.605+/-0.155 χ^2/NDF:974.6/22

Left: -0.391+/-0.108 χ^2/NDF: 2523.5/47

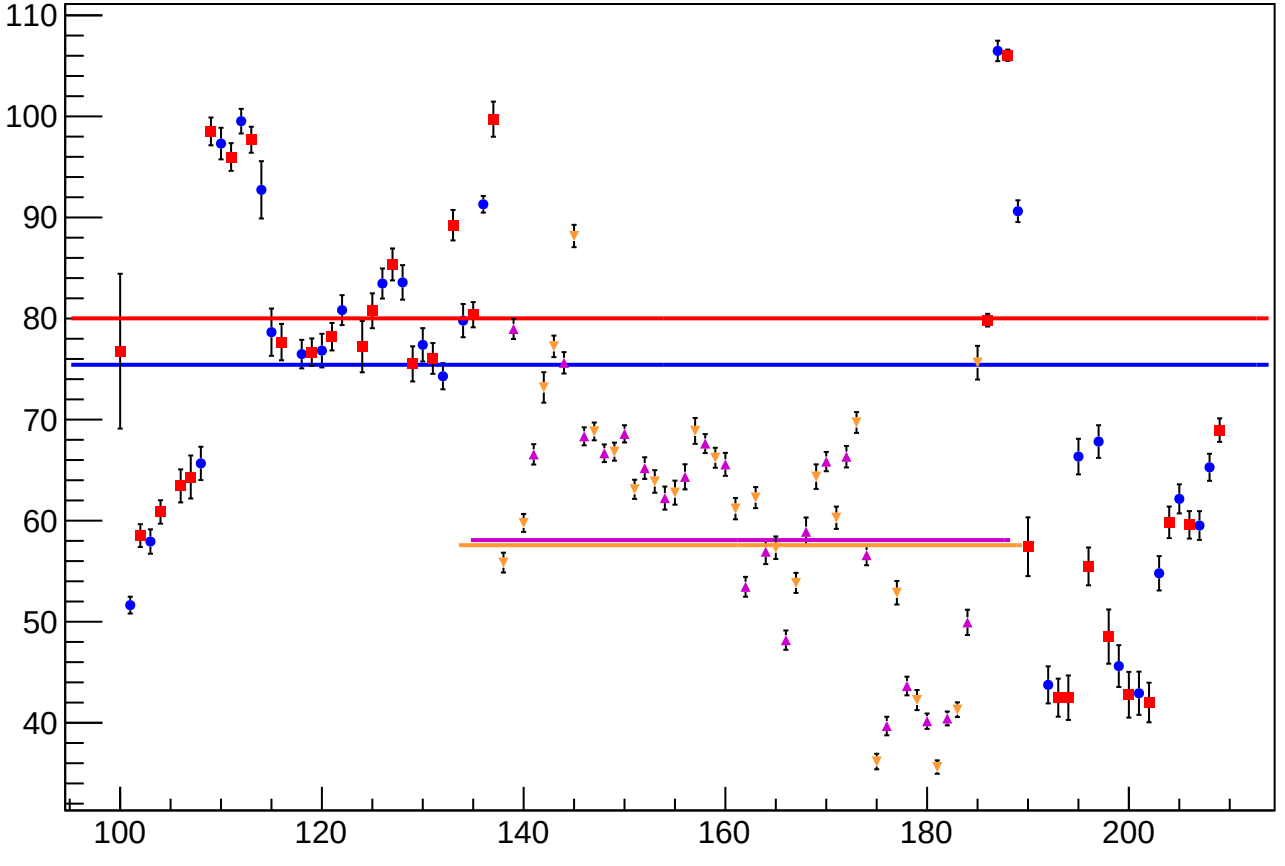
Right: 6.246+/-0.197 χ^2/NDF: 686.8/57

In: 0.911+/-0.136 χ^2/NDF:1771.1/49

Out: 1.352+/-0.132 χ^2/NDF:2306.9/55

All: 1.139+/-0.095 χ^2/NDF: 4083.5/105

reg_asym_right_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 75.423+/-0.267 χ^2/NDF: 4472.1/26

Left Out: 57.573+/-0.199 χ^2/NDF:4685.5/24

Right Out: 80.017+/-0.241 χ^2/NDF: 5862.3/30

Left In: 58.080+/-0.203 χ^2/NDF:3558.6/22

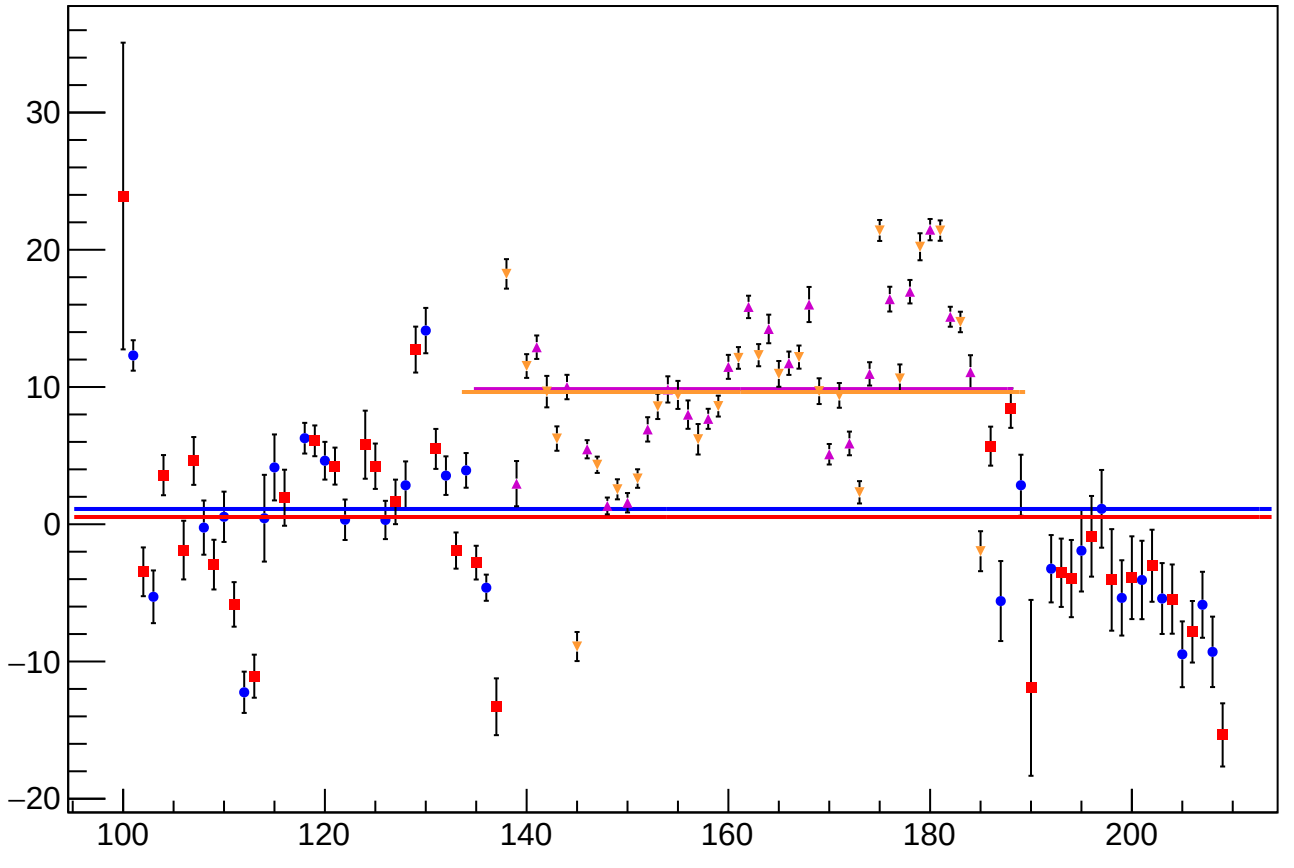
Left: 57.821+/-0.142 χ^2/NDF: 8247.2/47

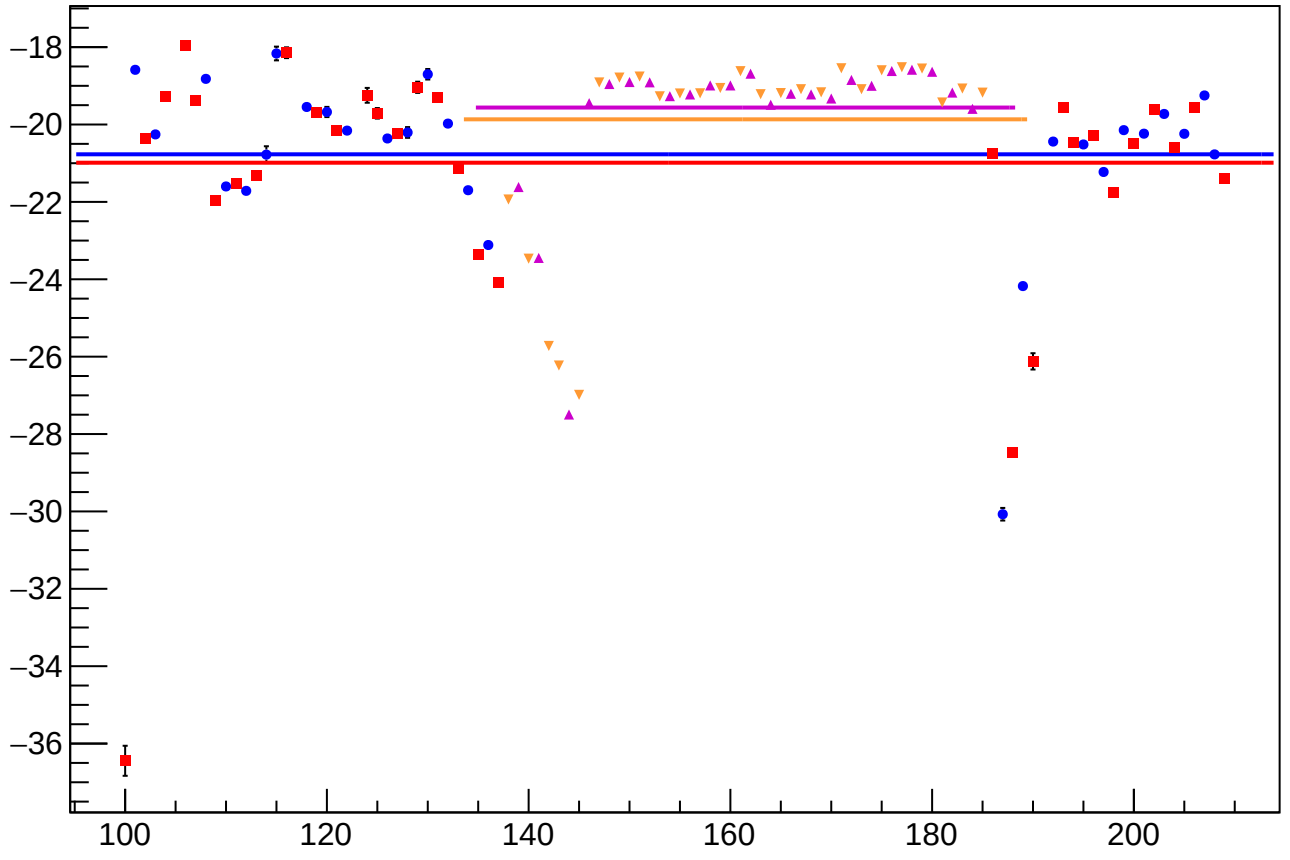
Right: 77.956+/-0.179 χ^2/NDF: 10497.0/57

In: 64.438+/-0.162 χ^2/NDF:10694.3/49

Out: 66.660+/-0.153 χ^2/NDF:15699.0/55

All: 65.608+/-0.111 χ^2/NDF: 26492.6/105


reg_asym_right_avg_diff_bpm4eY_slope vs Slug, Sign Corrected
30
20
10
0
−10
−20
100
120
140
160
180
200
Right In: 1.113+/-0.329 χ²/NDF: 399.1/26
Left Out: 9.636+/-0.171 χ²/NDF:1491.5/24
Right Out: 0.528+/-0.324 χ²/NDF: 382.2/30
Left In: 9.849+/-0.176 χ²/NDF:993.0/22
Left: 9.740+/-0.123 χ²/NDF: 2485.2/47
Right: 0.816+/-0.231 χ²/NDF: 782.9/57
In: 7.904+/-0.155 χ²/NDF:1938.7/49
Out: 7.649+/-0.152 χ²/NDF:2489.8/55
All: 7.773+/-0.109 χ²/NDF: 4430.0/105



Right In: -20.770+/-0.016 χ^2/NDF: 12534.7/26

Left Out: -19.866+/-0.008 χ^2/NDF:78894.3/24

Right Out: -20.987+/-0.016 χ^2/NDF: 20685.1/30

Left In: -19.562+/-0.008 χ^2/NDF:45172.6/22

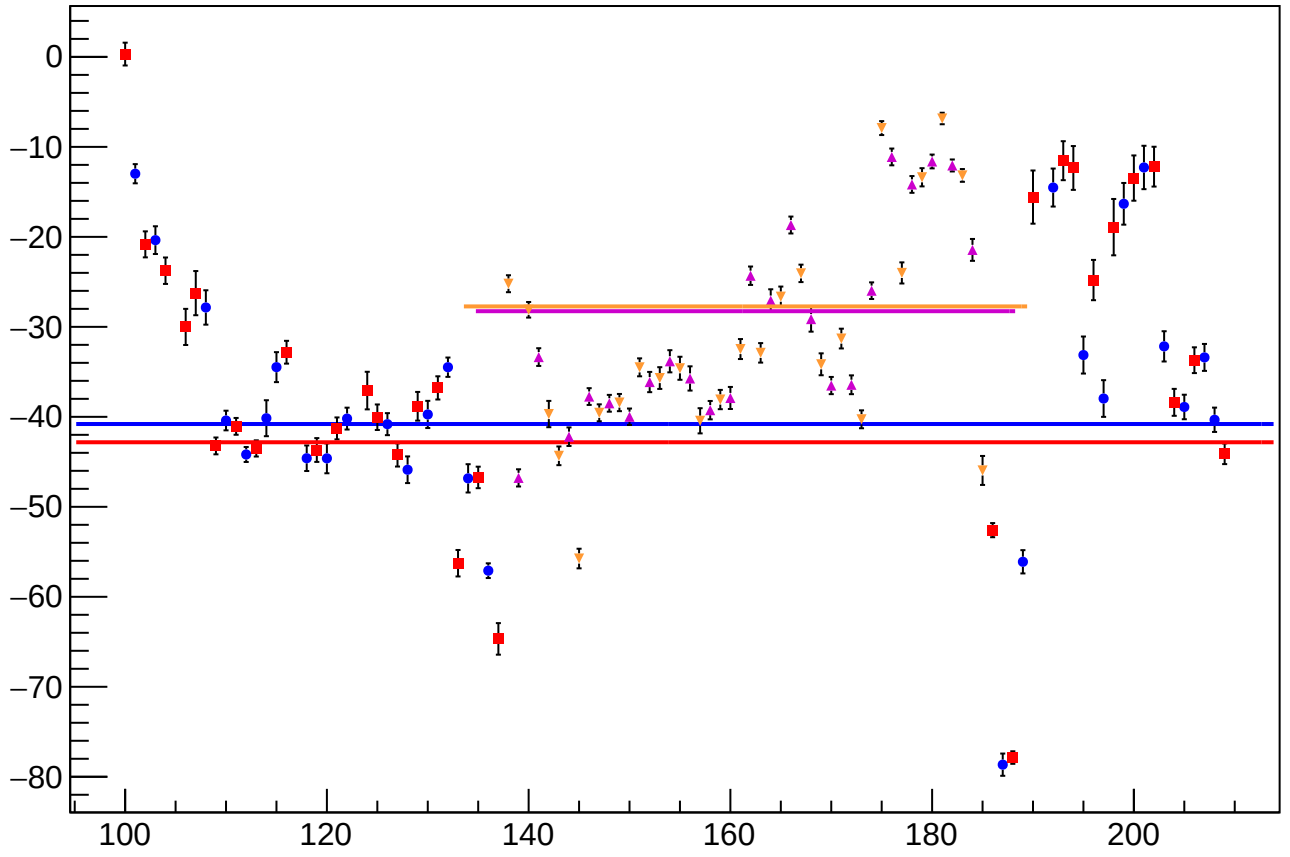
Left: -19.716+/-0.006 χ^2/NDF: 124807.4/47

Right: -20.878+/-0.011 χ^2/NDF: 33311.4/57

In: -19.800+/-0.007 χ^2/NDF:62257.6/49

Out: -20.083+/-0.007 χ^2/NDF:103506.4/55

All: -19.943+/-0.005 χ^2/NDF: 166557.4/105



Right In: -40.798+/-0.262 χ^2/NDF: 2958.7/26

Left Out: -27.729+/-0.201 χ^2/NDF:4299.7/24

Right Out: -42.826+/-0.238 χ^2/NDF: 5638.4/30

Left In: -28.260+/-0.206 χ^2/NDF:3172.7/22

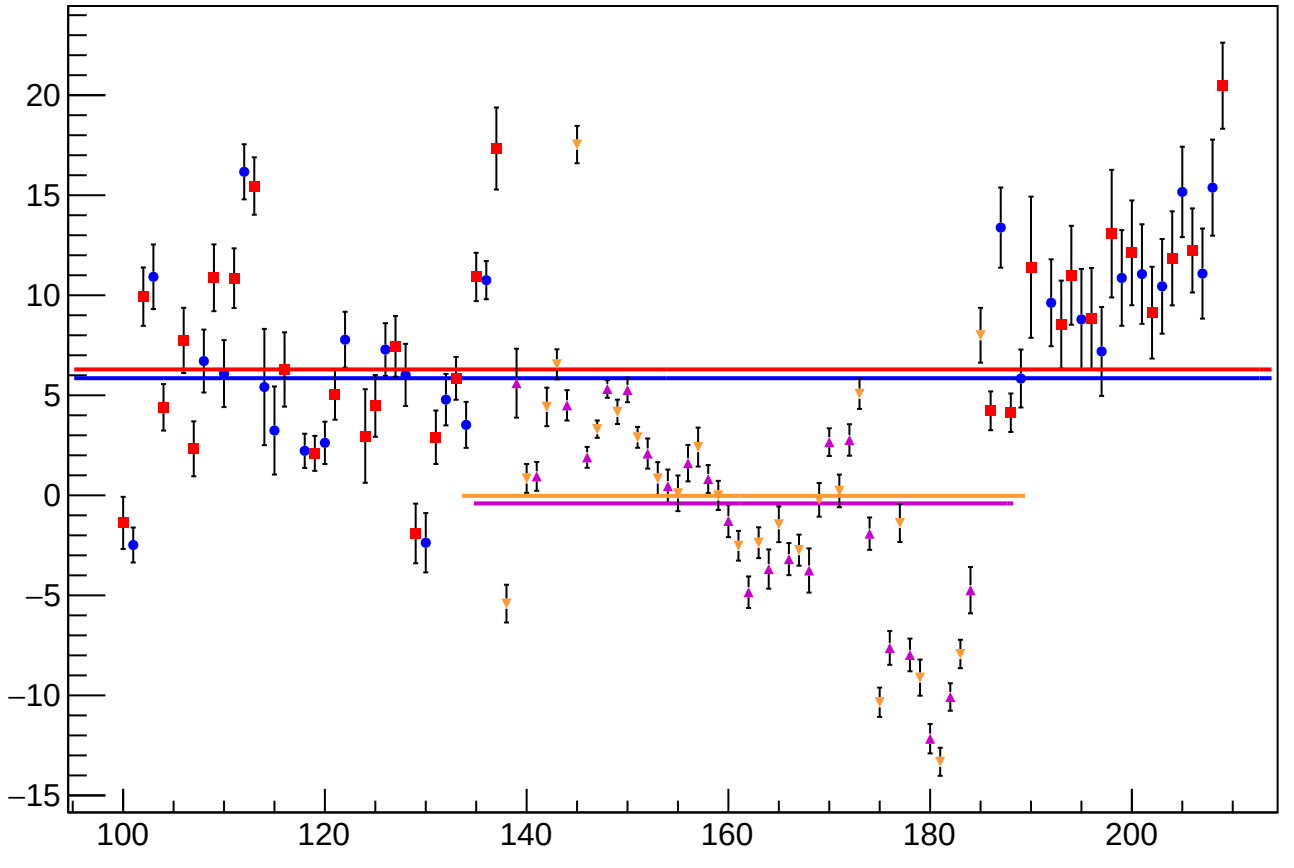
Left: -27.988+/-0.144 χ^2/NDF: 7475.8/47

Right: -41.912+/-0.176 χ^2/NDF: 8630.0/57

In: -33.047+/-0.162 χ^2/NDF:7543.4/49

Out: -34.016+/-0.153 χ^2/NDF:12293.1/55

All: -33.558+/-0.111 χ^2/NDF: 19855.3/105



Right In: 5.854+/-0.284 χ^2/NDF: 321.0/26

Left Out: -0.026+/-0.150 χ^2/NDF:1531.8/24

Right Out: 6.294+/-0.268 χ^2/NDF: 304.3/30

Left In: -0.404+/-0.155 χ^2/NDF:1084.1/22

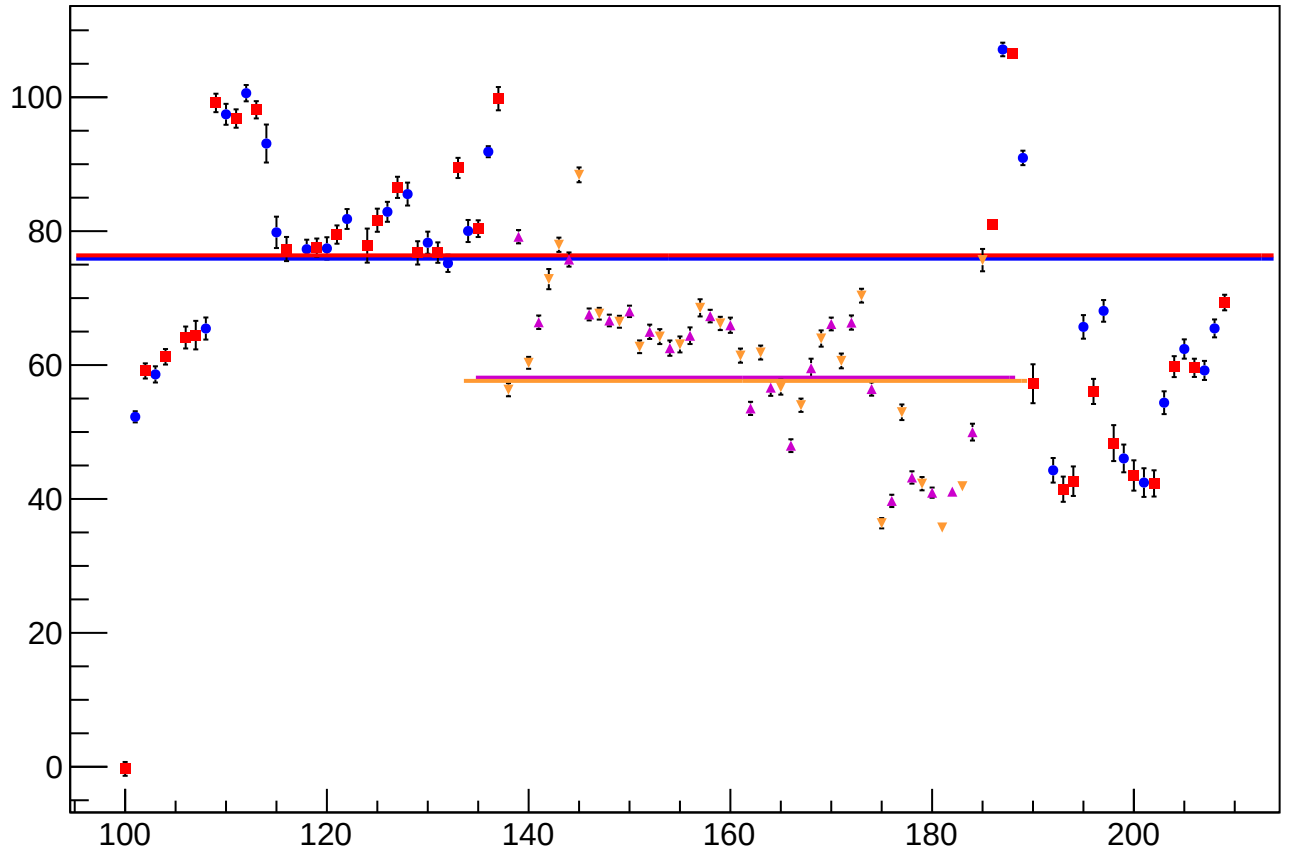
Left: -0.208+/-0.108 χ^2/NDF: 2618.9/47

Right: 6.087+/-0.195 χ^2/NDF: 626.5/57

In: 1.036+/-0.136 χ^2/NDF:1778.0/49

Out: 1.484+/-0.131 χ^2/NDF:2258.4/55

All: 1.269+/-0.095 χ^2/NDF: 4042.0/105



Right In: 75.892+/-0.268 χ^2/NDF: 4533.9/26

Left Out: 57.638+/-0.199 χ^2/NDF:4612.7/24

Right Out: 76.383+/-0.235 χ^2/NDF: 11721.9/30

Left In: 58.117+/-0.204 χ^2/NDF:3443.9/22

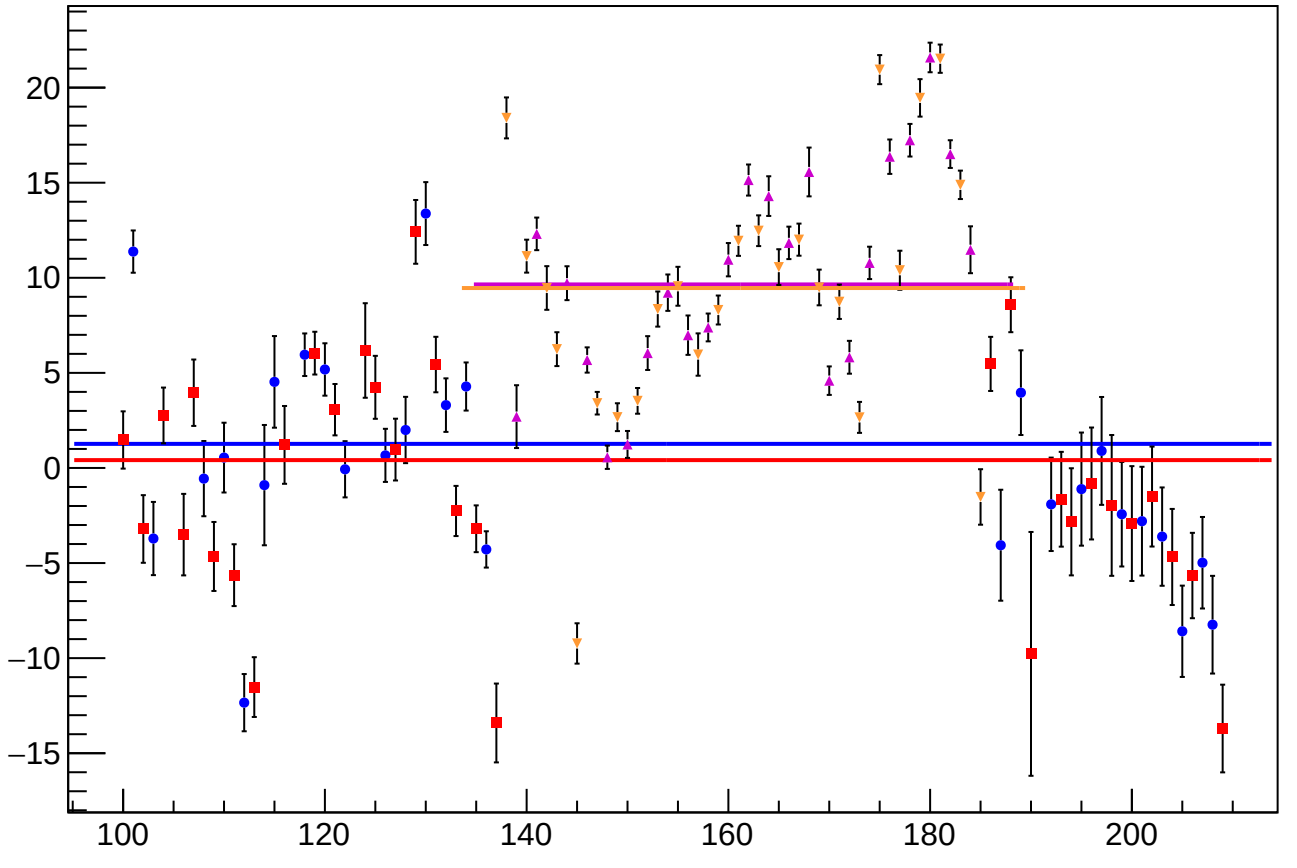
Left: 57.872+/-0.142 χ^2/NDF: 8059.4/47

Right: 76.169+/-0.177 χ^2/NDF: 16257.7/57

In: 64.637+/-0.162 χ^2/NDF:10766.8/49

Out: 65.465+/-0.152 χ^2/NDF:20029.7/55

All: 65.078+/-0.111 χ^2/NDF: 30810.4/105



Right In: 1.267+/-0.330 χ^2/NDF: 348.3/26

Left Out: 9.461+/-0.172 χ^2/NDF:1483.1/24

Right Out: 0.413+/-0.318 χ^2/NDF: 354.5/30

Left In: 9.650+/-0.177 χ^2/NDF:1078.5/22

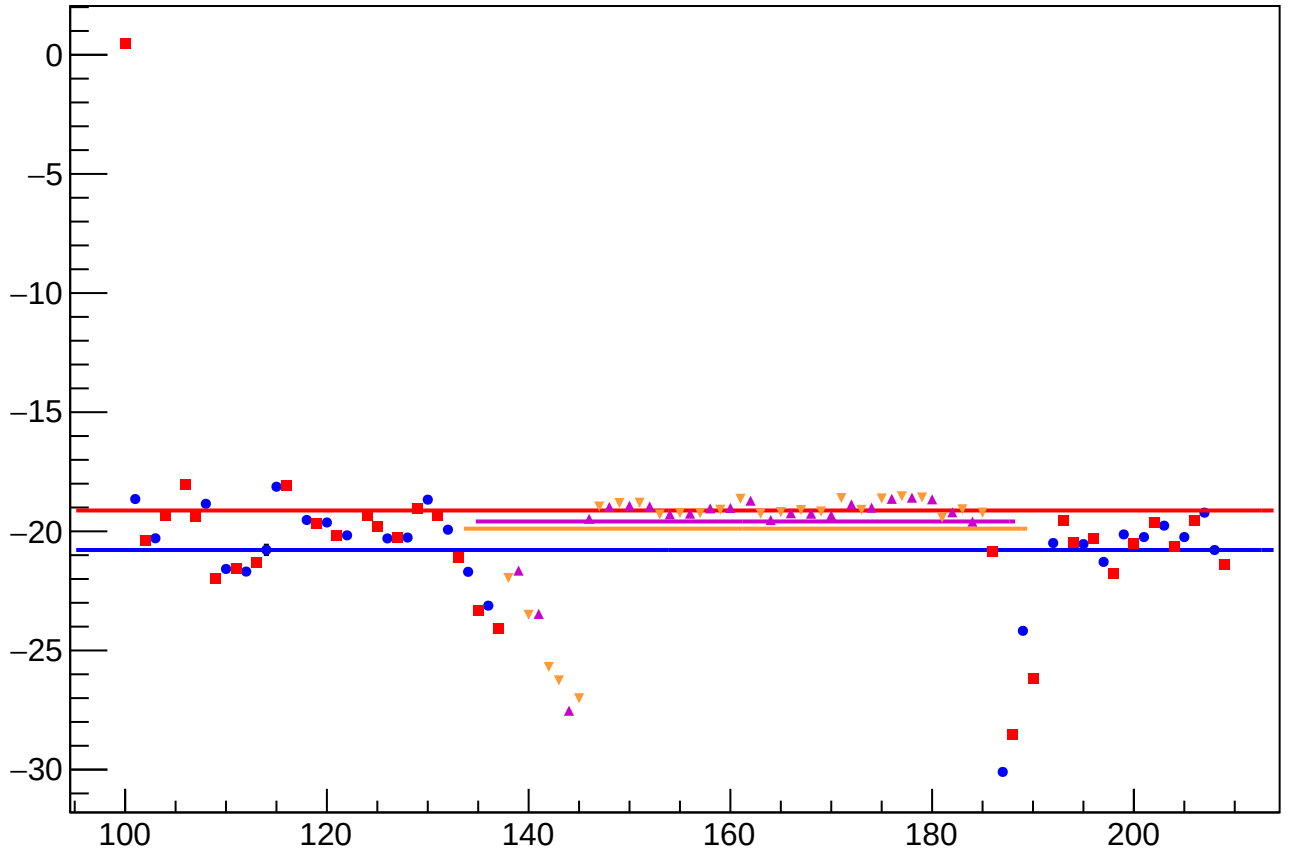
Left: 9.553+/-0.123 χ^2/NDF: 2562.3/47

Right: 0.824+/-0.229 χ^2/NDF: 706.3/57

In: 7.782+/-0.156 χ^2/NDF:1928.8/49

Out: 7.417+/-0.151 χ^2/NDF:2465.4/55

All: 7.594+/-0.108 χ^2/NDF: 4397.0/105



Right In: -20.782+/-0.016 χ^2/NDF: 12424.2/26

Left Out: -19.889+/-0.008 χ^2/NDF:78512.6/24

Right Out: -19.125+/-0.015 χ^2/NDF: 172328.8/30

Left In: -19.586+/-0.008 χ^2/NDF:45085.3/22

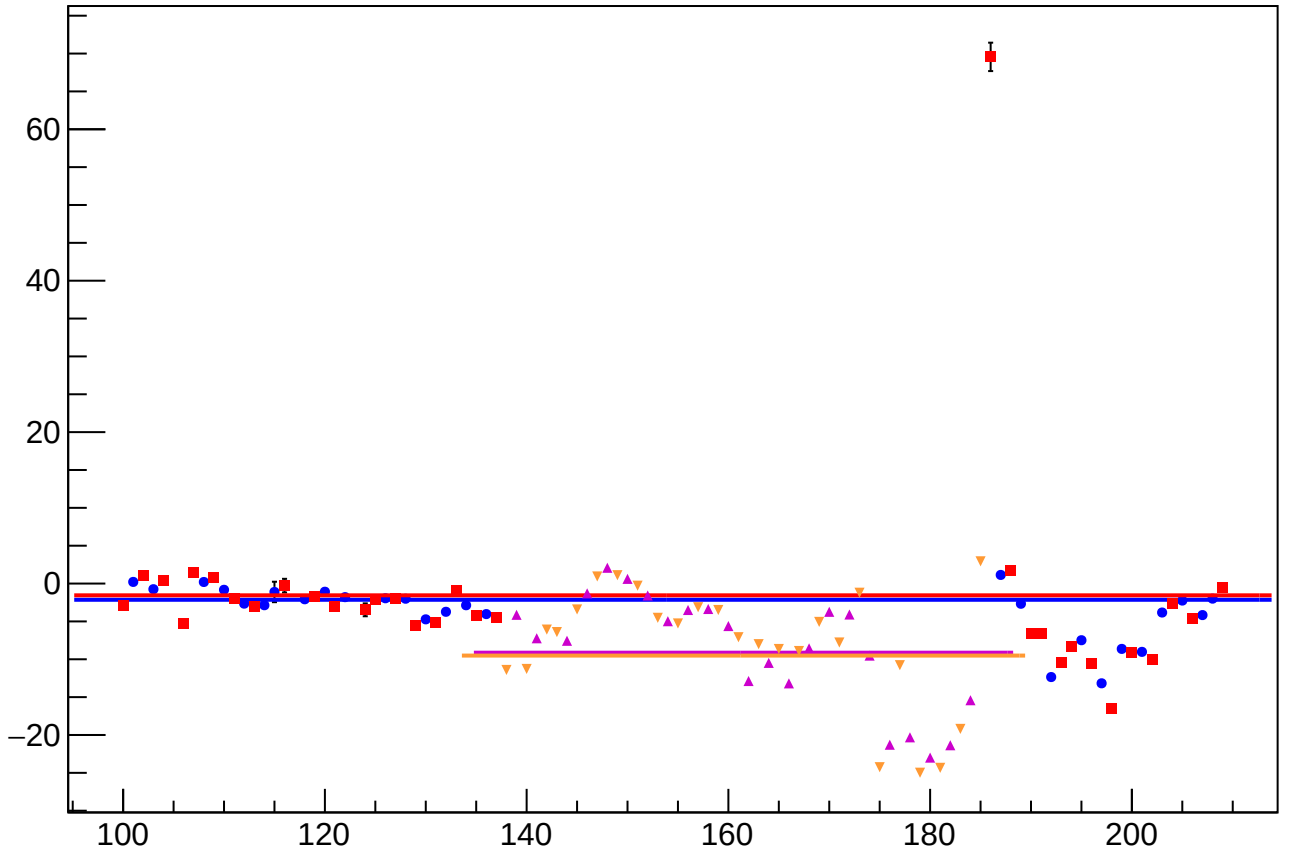
Left: -19.739+/-0.006 χ^2/NDF: 124326.8/47

Right: -19.918+/-0.011 χ^2/NDF: 190302.5/57

In: -19.822+/-0.007 χ^2/NDF:61955.7/49

Out: -19.730+/-0.007 χ^2/NDF:252794.6/55

All: -19.775+/-0.005 χ^2/NDF: 314834.9/105



Right In: -2.142+/-0.049 χ^2/NDF: 3344.8/26

Left Out: -9.512+/-0.073 χ^2/NDF:12916.4/24

Right Out: -1.554+/-0.045 χ^2/NDF: 6962.1/31

Left In: -9.131+/-0.075 χ^2/NDF:10390.6/22

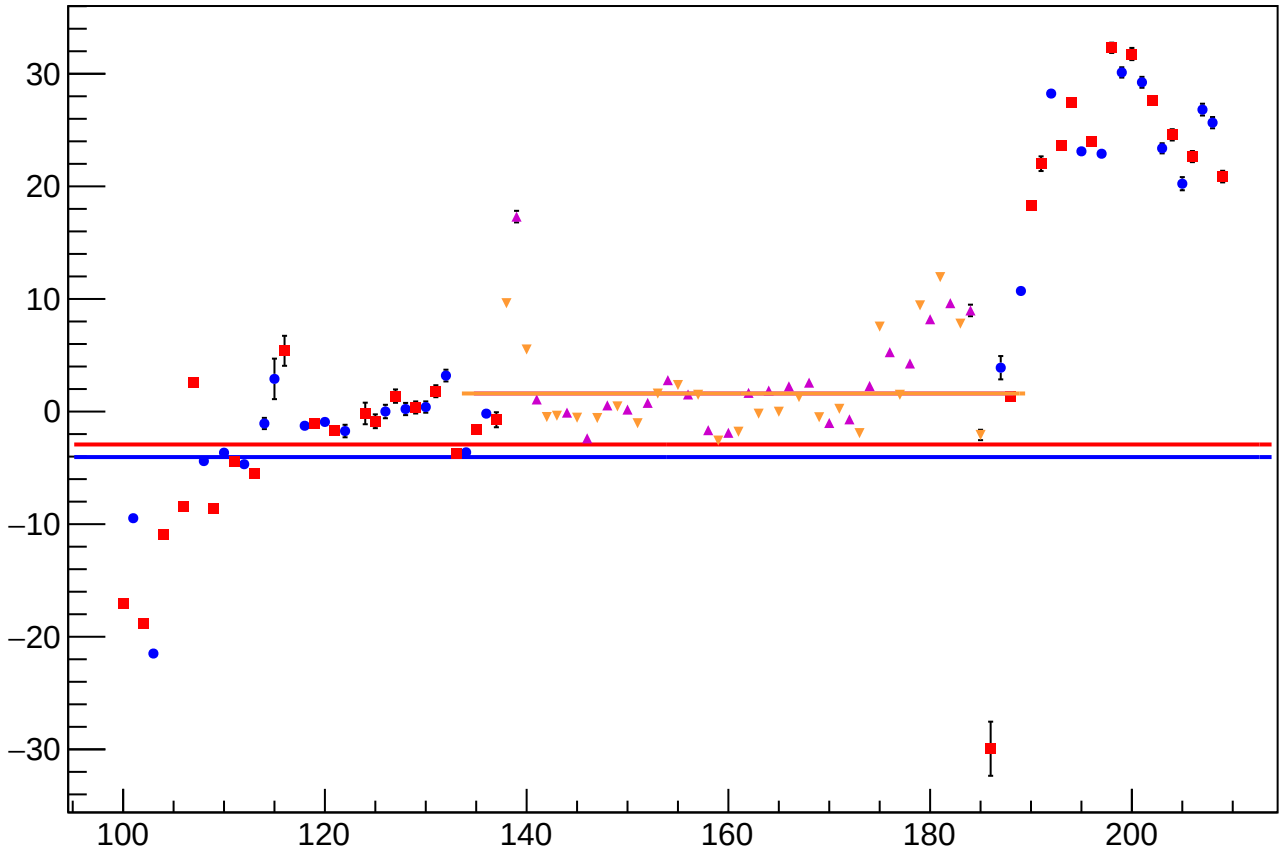
Left: -9.327+/-0.052 χ^2/NDF: 23320.3/47

Right: -1.823+/-0.033 χ^2/NDF: 10384.9/58

In: -4.245+/-0.041 χ^2/NDF:19842.9/49

Out: -3.765+/-0.038 χ^2/NDF:28546.1/56

All: -3.989+/-0.028 χ^2/NDF: 48462.1/106



Right In: -4.042+/-0.053 χ^2/NDF: 61272.8/26

Left Out: 1.606+/-0.055 χ^2/NDF:4677.2/24

Right Out: -2.923+/-0.052 χ^2/NDF: 65401.3/31

Left In: 1.605+/-0.058 χ^2/NDF:3656.4/22

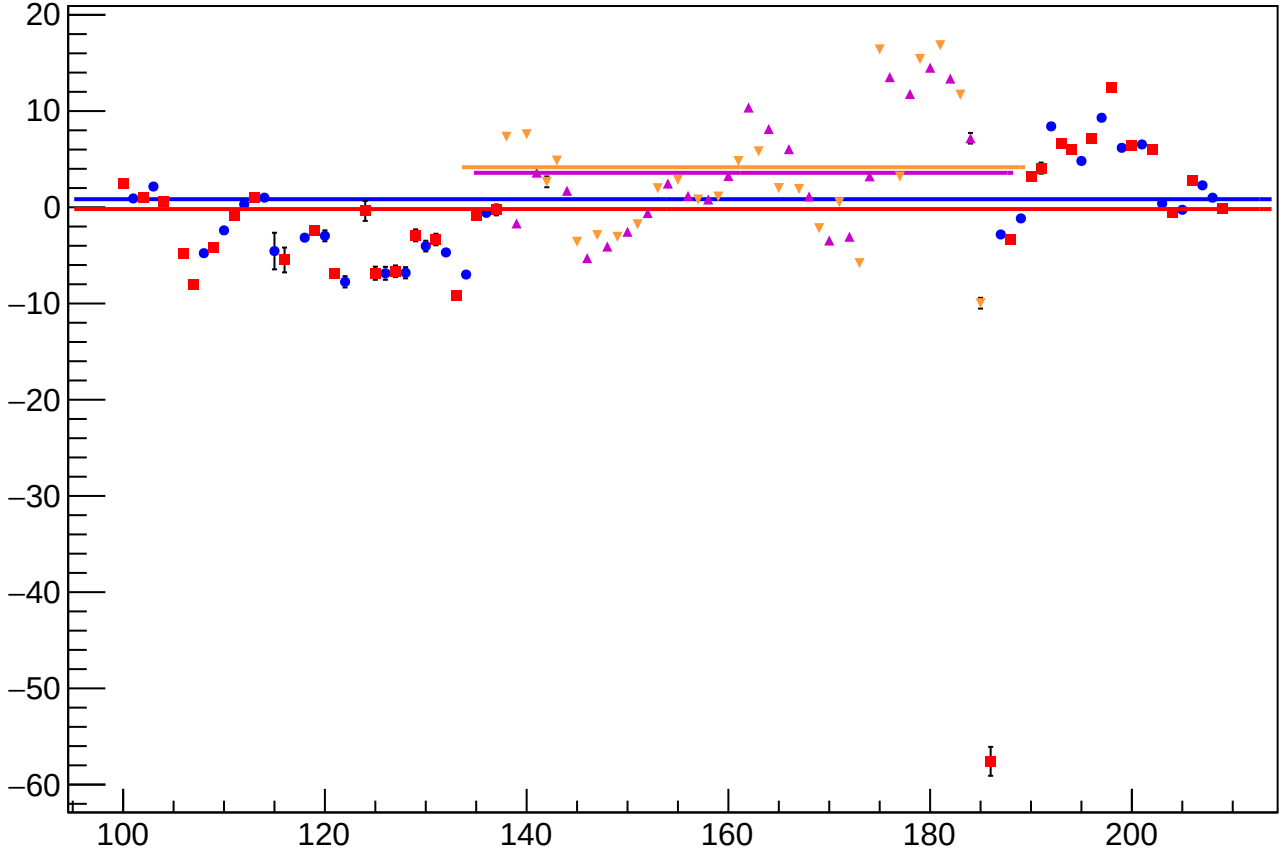
Left: 1.605+/-0.040 χ^2/NDF: 8333.6/47

Right: -3.475+/-0.037 χ^2/NDF: 126902.5/58

In: -1.473+/-0.039 χ^2/NDF:70154.6/49

Out: -0.795+/-0.038 χ^2/NDF:73649.5/56

All: -1.124+/-0.027 χ^2/NDF: 143960.6/106



Right In: 0.841+/-0.047 χ^2/NDF: 4173.0/26

Left Out: 4.167+/-0.072 χ^2/NDF:9246.5/24

Right Out: -0.186+/-0.045 χ^2/NDF: 8208.4/31

Left In: 3.584+/-0.074 χ^2/NDF:7228.4/22

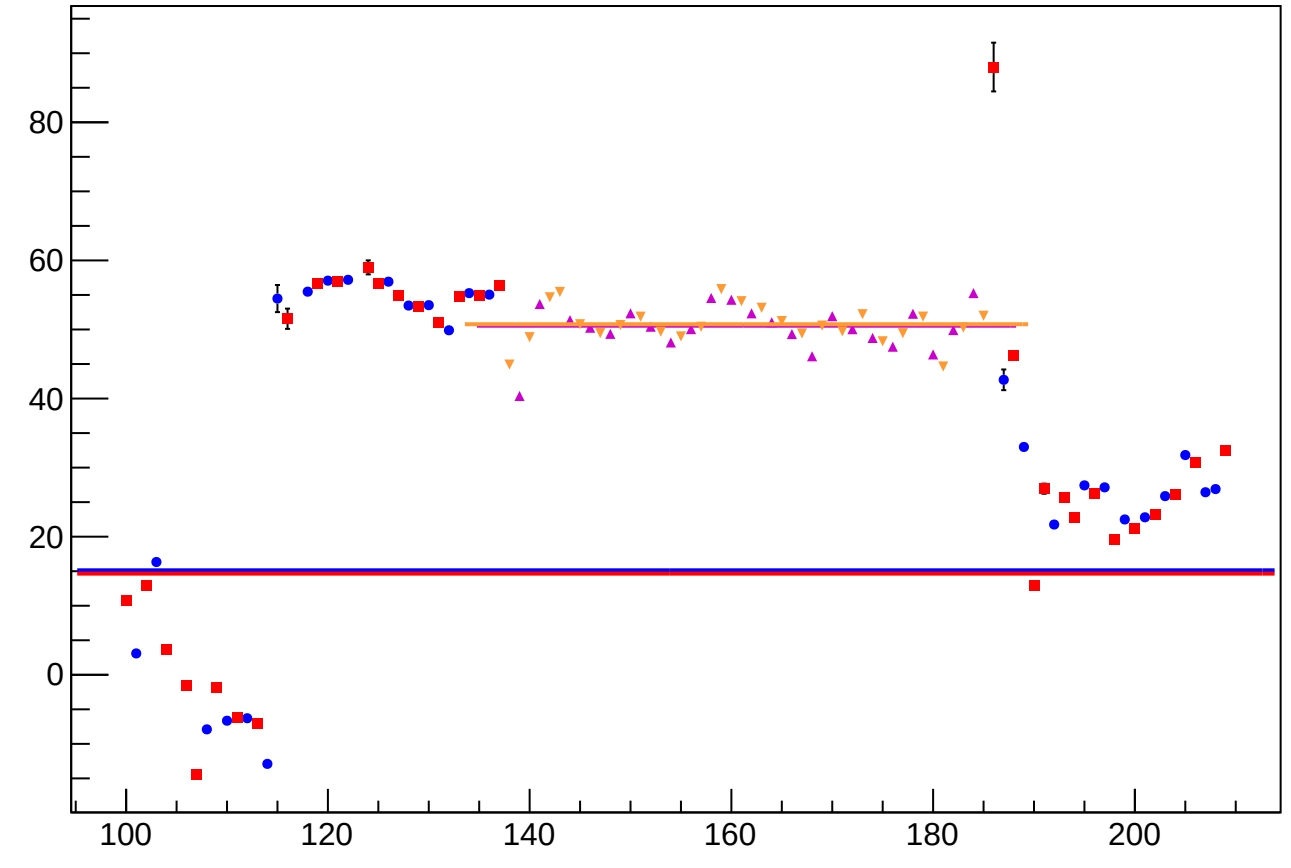
Left: 3.883+/-0.052 χ^2/NDF: 16506.8/47

Right: 0.309+/-0.033 χ^2/NDF: 12627.1/58

In: 1.634+/-0.040 χ^2/NDF:12379.5/49

Out: 1.052+/-0.038 χ^2/NDF:20062.8/56

All: 1.333+/-0.028 χ^2/NDF: 32553.0/106



Right In: 15.129+/-0.063 χ^2/NDF: 114816.3/26

Left Out: 50.761+/-0.062 χ^2/NDF:1748.6/24

Right Out: 14.651+/-0.062 χ^2/NDF: 131789.5/31

Left In: 50.550+/-0.065 χ^2/NDF:1717.7/22

Left: 50.659+/-0.045 χ^2/NDF: 3471.7/47

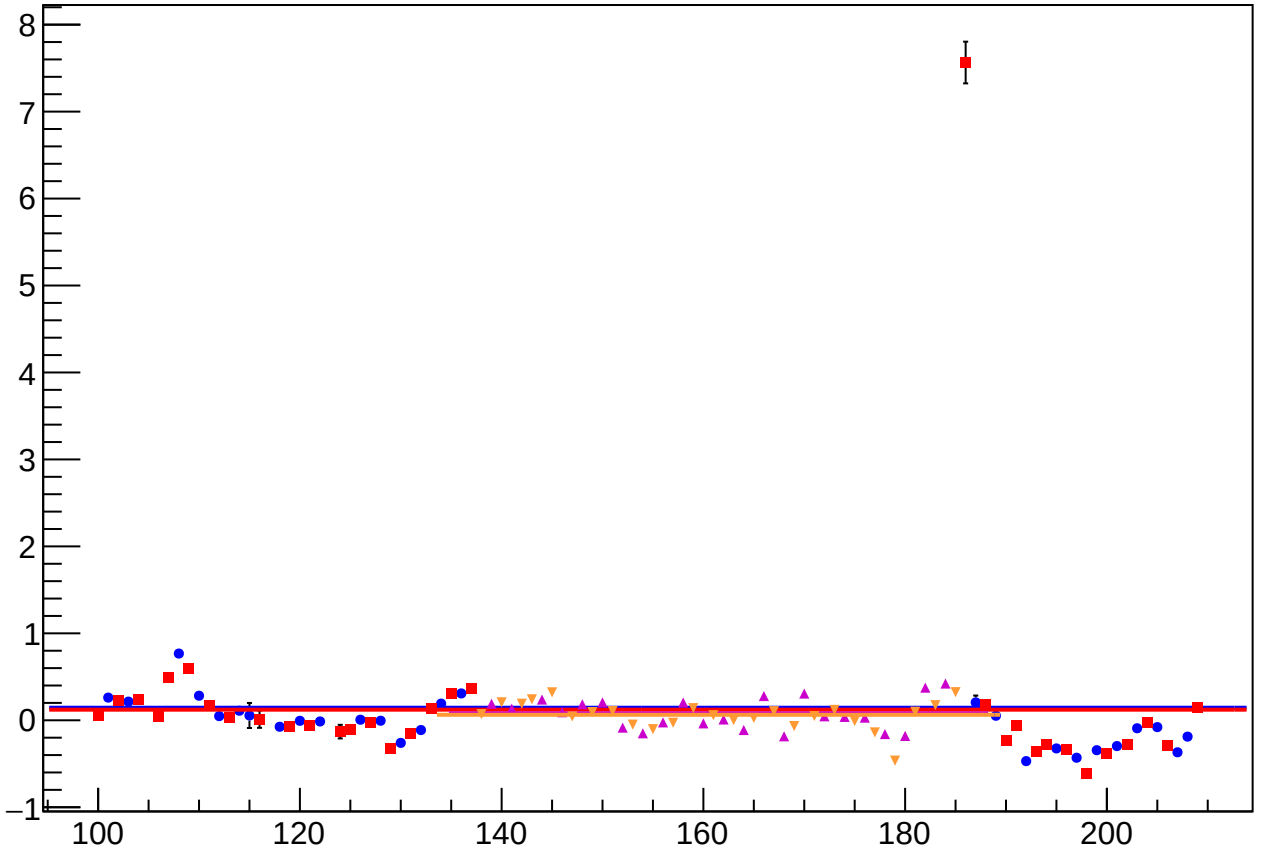
Right: 14.886+/-0.044 χ^2/NDF: 246635.4/58

In: 32.239+/-0.045 χ^2/NDF:271149.3/49

Out: 32.469+/-0.044 χ^2/NDF:302962.9/56

All: 32.357+/-0.031 χ^2/NDF: 574125.7/106

reg_asym_sam_15_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.144+/-0.002 χ^2/NDF: 13497.1/26

Left Out: 0.063+/-0.003 χ^2/NDF:2566.7/24

Right Out: 0.122+/-0.002 χ^2/NDF: 12951.3/31

Left In: 0.080+/-0.003 χ^2/NDF:3446.5/22

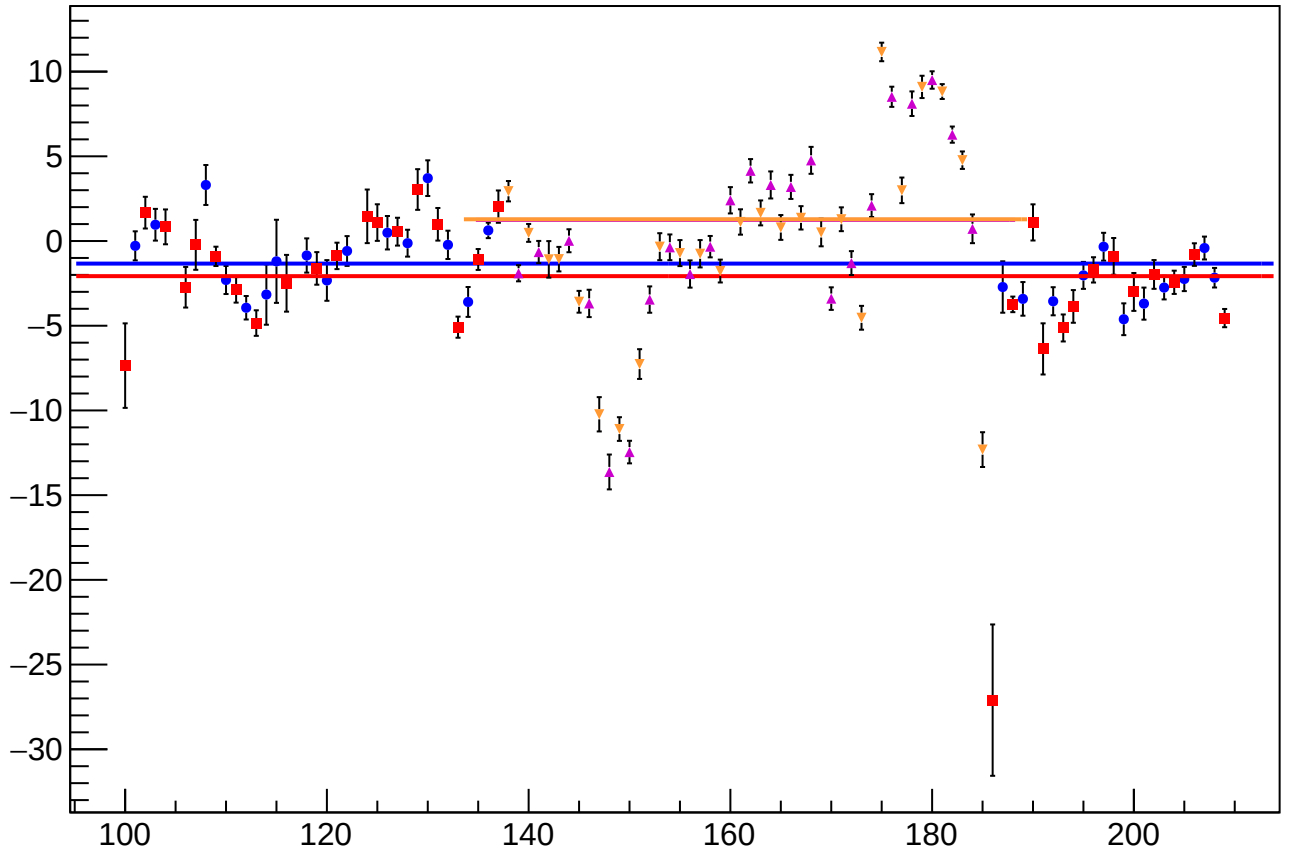
Left: 0.071+/-0.002 χ^2/NDF: 6029.9/47

Right: 0.133+/-0.002 χ^2/NDF: 26490.7/58

In: 0.116+/-0.002 χ^2/NDF:17241.1/49

Out: 0.097+/-0.002 χ^2/NDF:15772.4/56

All: 0.107+/-0.001 χ^2/NDF: 33068.0/106



Right In: -1.333+/-0.161 χ^2/NDF: 139.3/26

Left Out: 1.283+/-0.137 χ^2/NDF:1715.5/24

Right Out: -2.073+/-0.149 χ^2/NDF: 255.1/31

Left In: 1.247+/-0.140 χ^2/NDF:1512.4/22

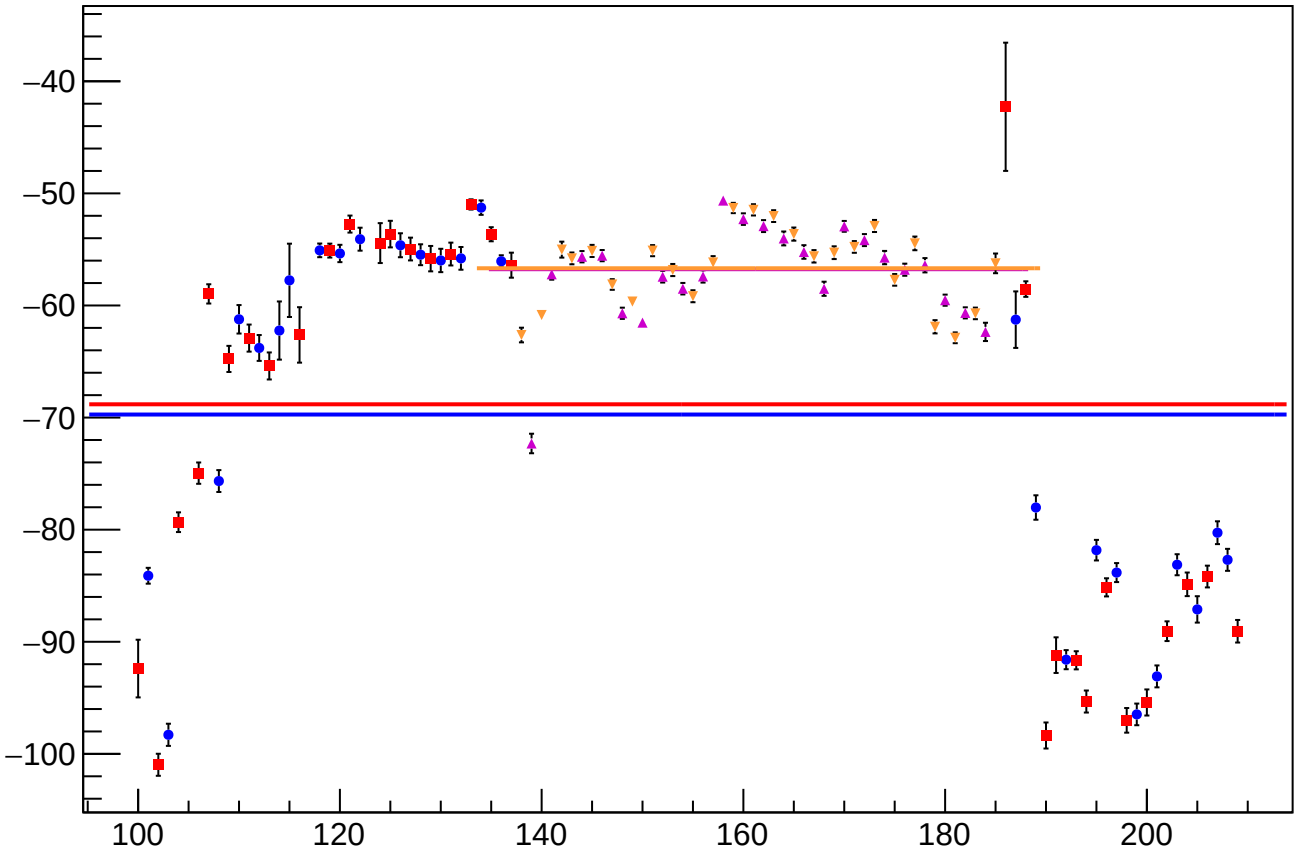
Left: 1.265+/-0.098 χ^2/NDF: 3228.0/47

Right: -1.732+/-0.109 χ^2/NDF: 405.8/58

In: 0.131+/-0.106 χ^2/NDF:1797.6/49

Out: -0.259+/-0.101 χ^2/NDF:2246.5/56

All: -0.073+/-0.073 χ^2/NDF: 4051.2/106



Right In: -69.728+/-0.177 χ^2/NDF: 8029.7/26

Left Out: -56.680+/-0.107 χ^2/NDF:1014.5/24

Right Out: -68.816+/-0.165 χ^2/NDF: 11027.4/31

Left In: -56.765+/-0.112 χ^2/NDF:1108.9/22

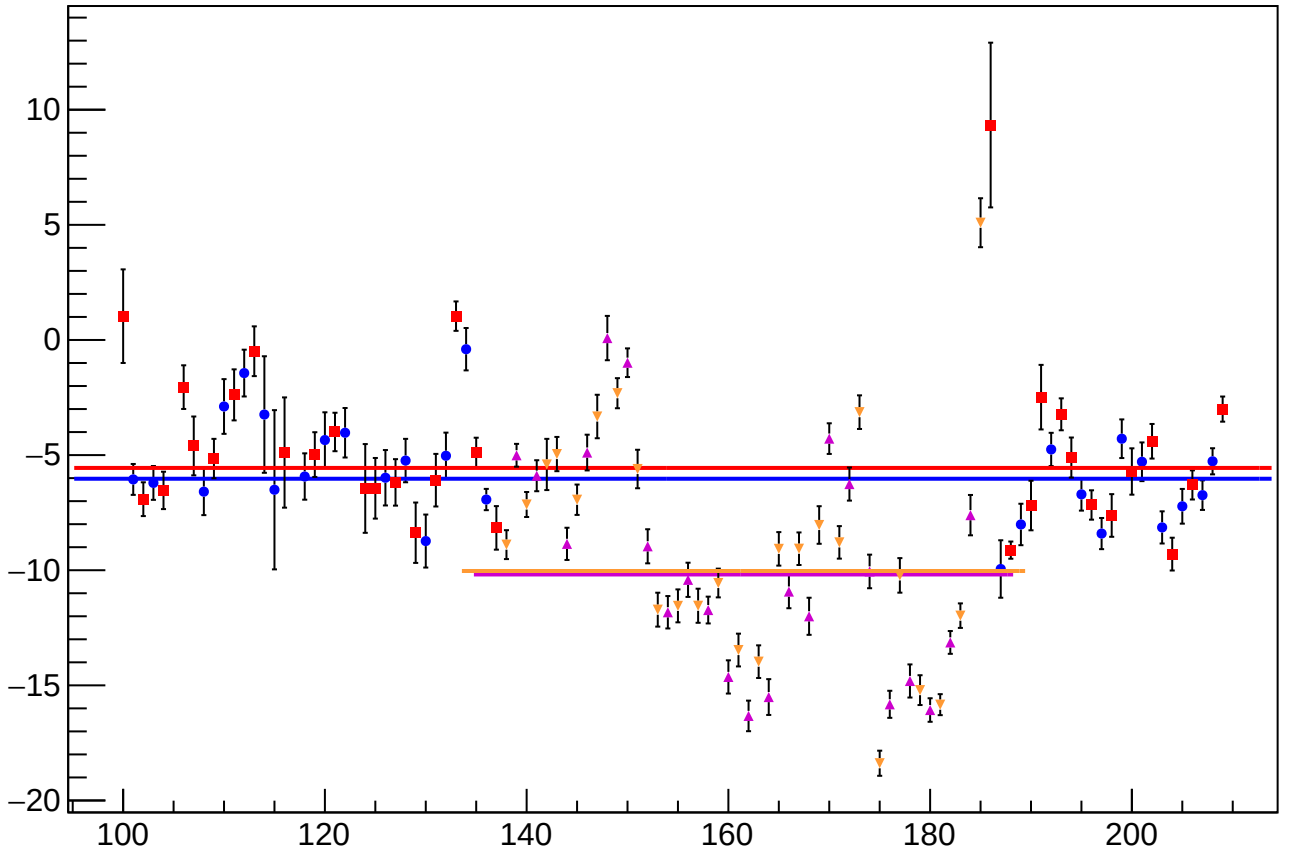
Left: -56.721+/-0.077 χ^2/NDF: 2123.6/47

Right: -69.240+/-0.121 χ^2/NDF: 19071.2/58

In: -60.459+/-0.095 χ^2/NDF:12958.3/49

Out: -60.272+/-0.090 χ^2/NDF:15833.6/56

All: -60.360+/-0.065 χ^2/NDF: 28793.9/106



Right In: -6.027+/-0.160 χ^2/NDF: 133.7/26

Left Out: -10.034+/-0.136 χ^2/NDF:1182.4/24

Right Out: -5.557+/-0.147 χ^2/NDF: 377.1/31

Left In: -10.184+/-0.139 χ^2/NDF:1142.6/22

Left: -10.107+/-0.097 χ^2/NDF: 2325.6/47

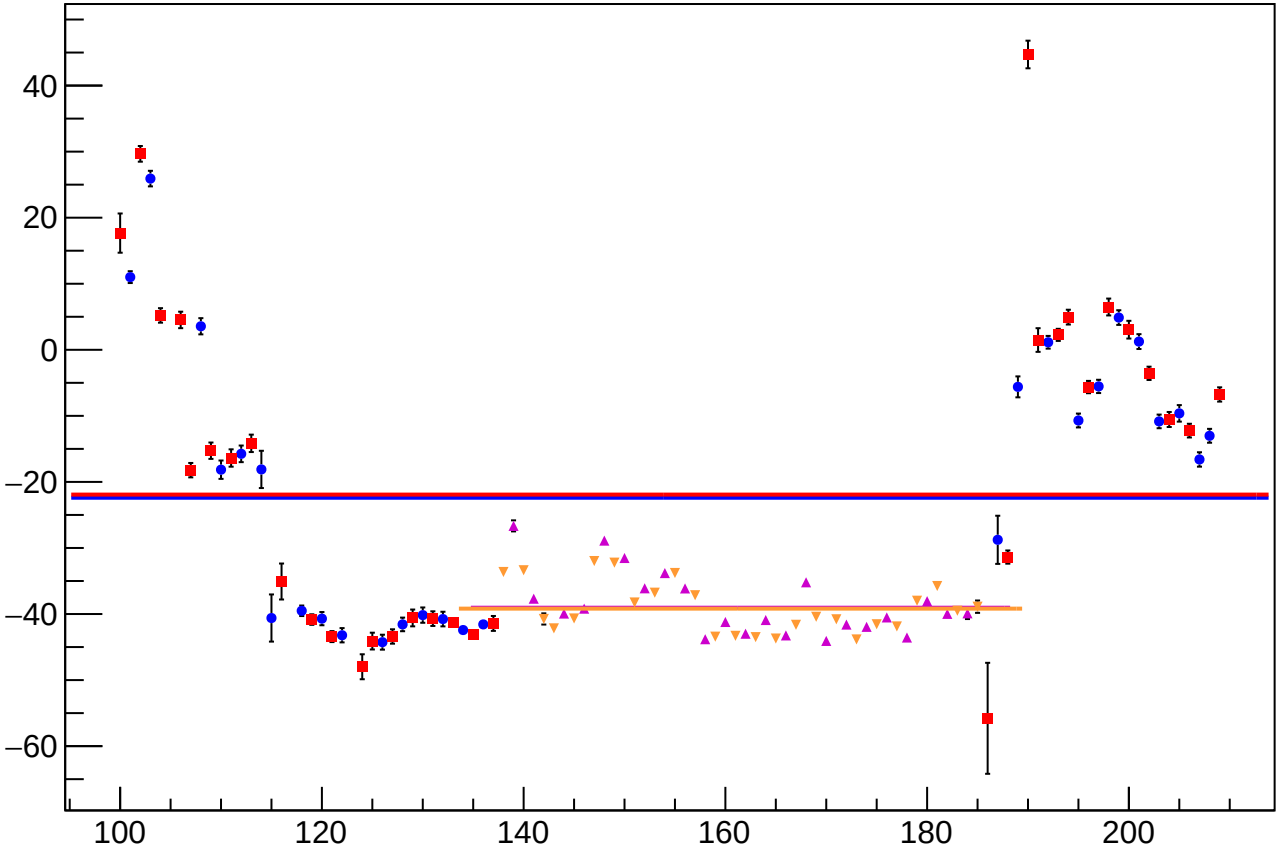
Right: -5.772+/-0.108 χ^2/NDF: 515.5/58

In: -8.394+/-0.105 χ^2/NDF:1660.8/49

Out: -7.962+/-0.100 χ^2/NDF:2059.3/56

All: -8.167+/-0.072 χ^2/NDF: 3729.0/106

reg_asym_sam_15_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -22.394+/-0.202 χ^2/NDF: 10520.9/26

Left Out: -39.183+/-0.120 χ^2/NDF:1034.1/24

Right Out: -21.920+/-0.192 χ^2/NDF: 12876.5/31

Left In: -39.044+/-0.124 χ^2/NDF:1226.4/22

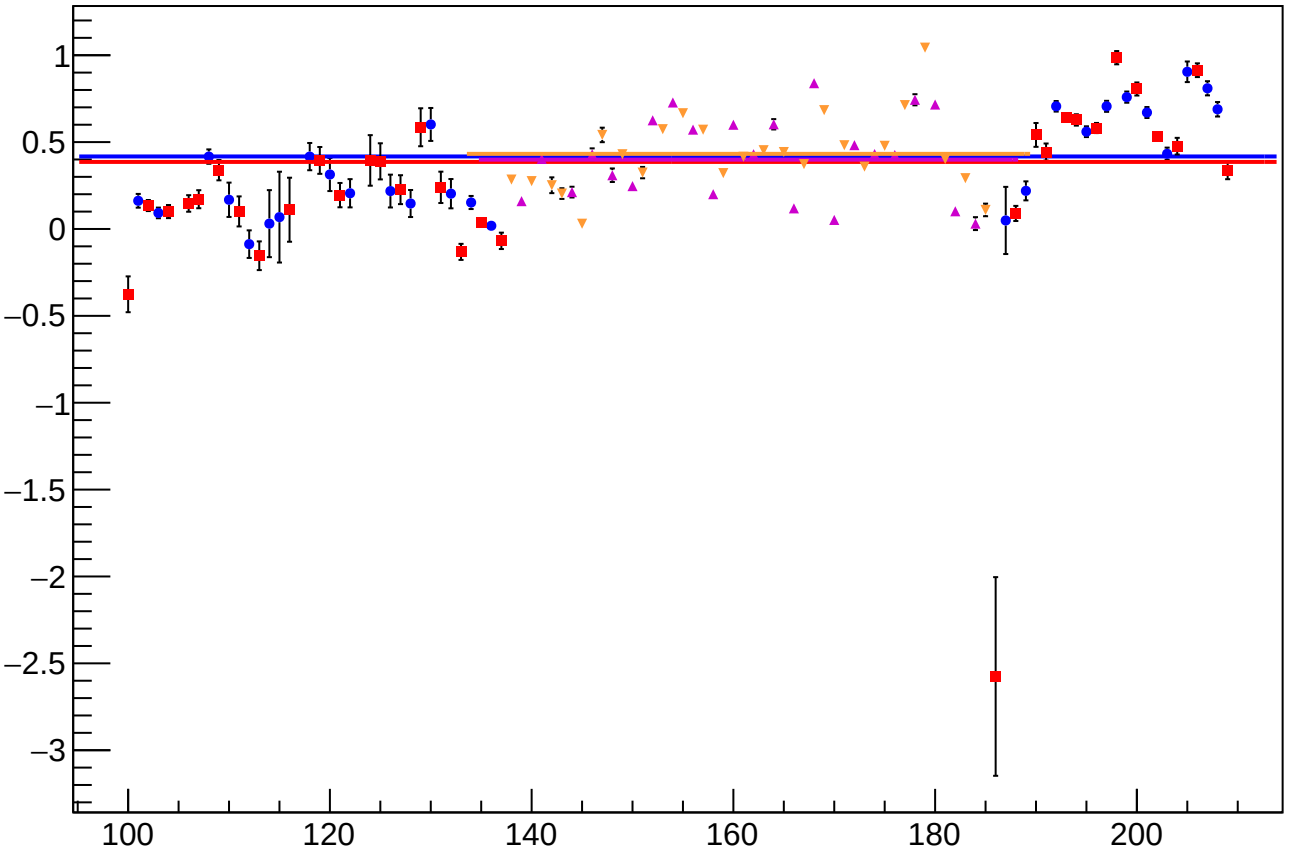
Left: -39.116+/-0.086 χ^2/NDF: 2261.1/47

Right: -22.144+/-0.139 χ^2/NDF: 23400.3/58

In: -34.481+/-0.106 χ^2/NDF:16668.6/49

Out: -34.337+/-0.102 χ^2/NDF:19719.2/56

All: -34.406+/-0.073 χ^2/NDF: 36388.8/106



Right In: 0.417+/-0.008 χ^2/NDF: 1223.3/26

Left Out: 0.432+/-0.005 χ^2/NDF:1368.7/24

Right Out: 0.386+/-0.008 χ^2/NDF: 1537.0/31

Left In: 0.399+/-0.005 χ^2/NDF:1923.8/22

Left: 0.416+/-0.004 χ^2/NDF: 3312.1/47

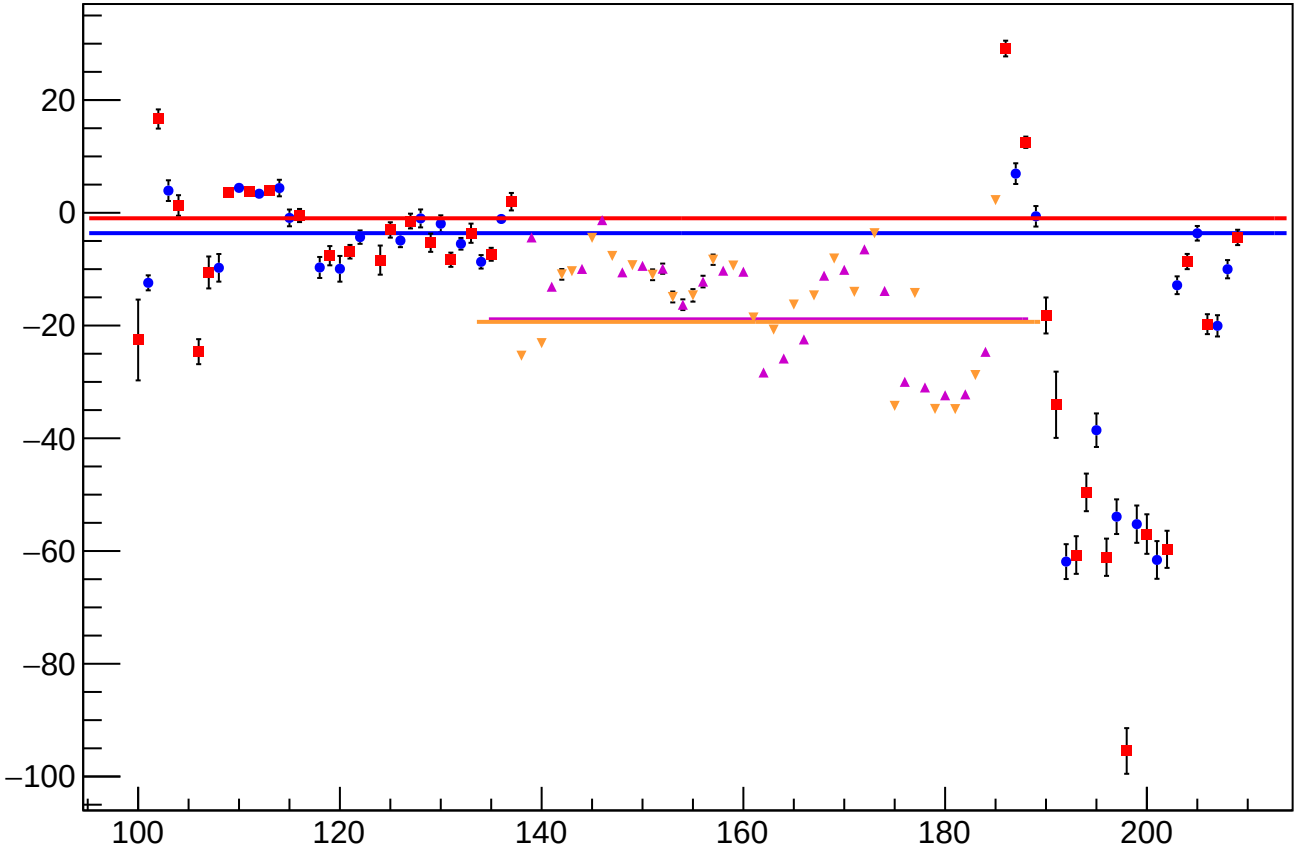
Right: 0.401+/-0.006 χ^2/NDF: 2767.5/58

In: 0.404+/-0.005 χ^2/NDF:3150.5/49

Out: 0.418+/-0.004 χ^2/NDF:2928.5/56

All: 0.411+/-0.003 χ^2/NDF: 6084.1/106

reg_asym_sam_37_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -3.612+/-0.254 χ^2/NDF: 1878.3/26

Left Out: -19.347+/-0.113 χ^2/NDF:10394.7/24

Right Out: -0.973+/-0.238 χ^2/NDF: 3380.3/31

Left In: -18.902+/-0.116 χ^2/NDF:8286.2/22

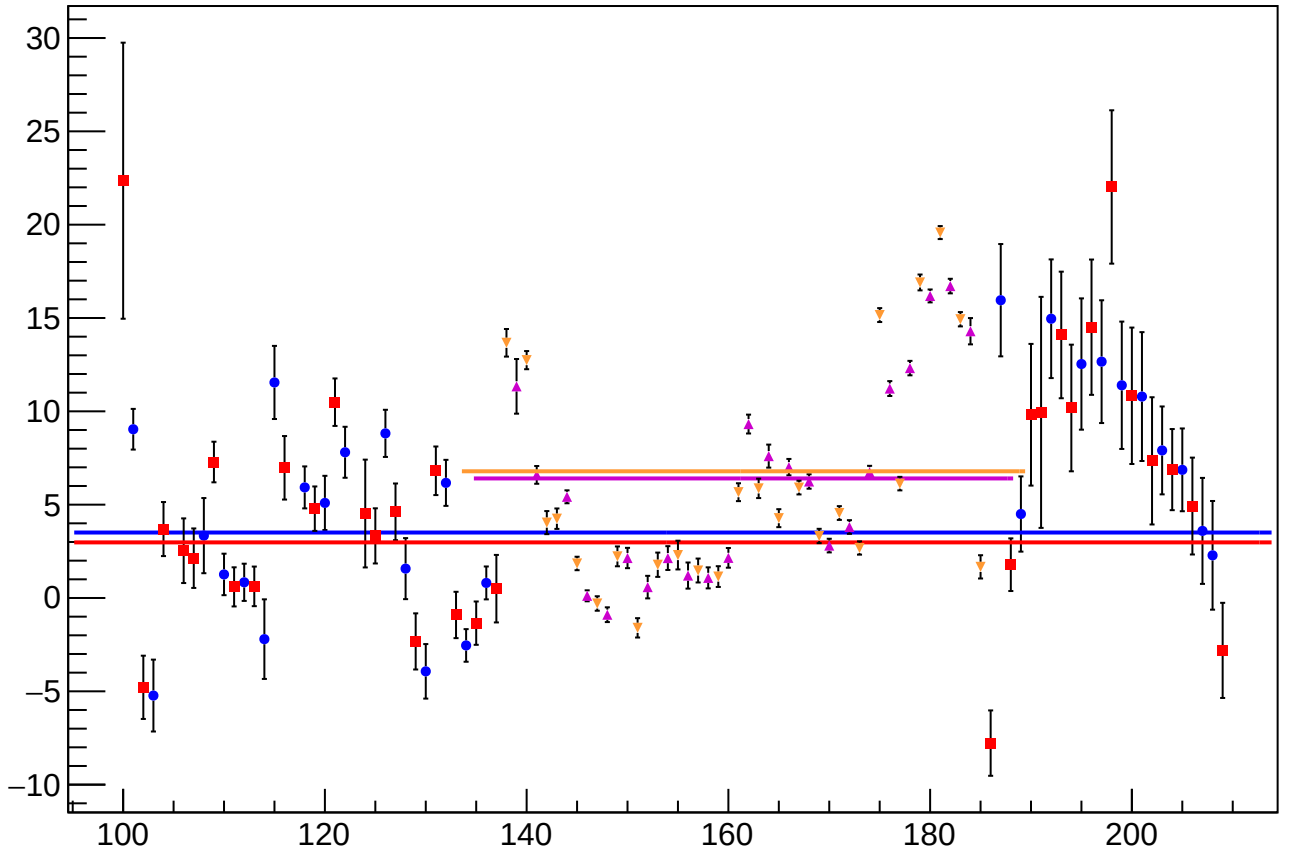
Left: -19.130+/-0.081 χ^2/NDF: 18688.5/47

Right: -2.205+/-0.174 χ^2/NDF: 5316.0/58

In: -16.263+/-0.106 χ^2/NDF:13155.8/49

Out: -15.948+/-0.102 χ^2/NDF:18635.0/56

All: -16.100+/-0.074 χ^2/NDF: 31795.4/106



Right In: 3.507+/-0.294 χ^2/NDF: 264.8/26

Left Out: 6.788+/-0.090 χ^2/NDF:4632.5/24

Right Out: 2.978+/-0.294 χ^2/NDF: 250.1/31

Left In: 6.404+/-0.091 χ^2/NDF:3410.4/22

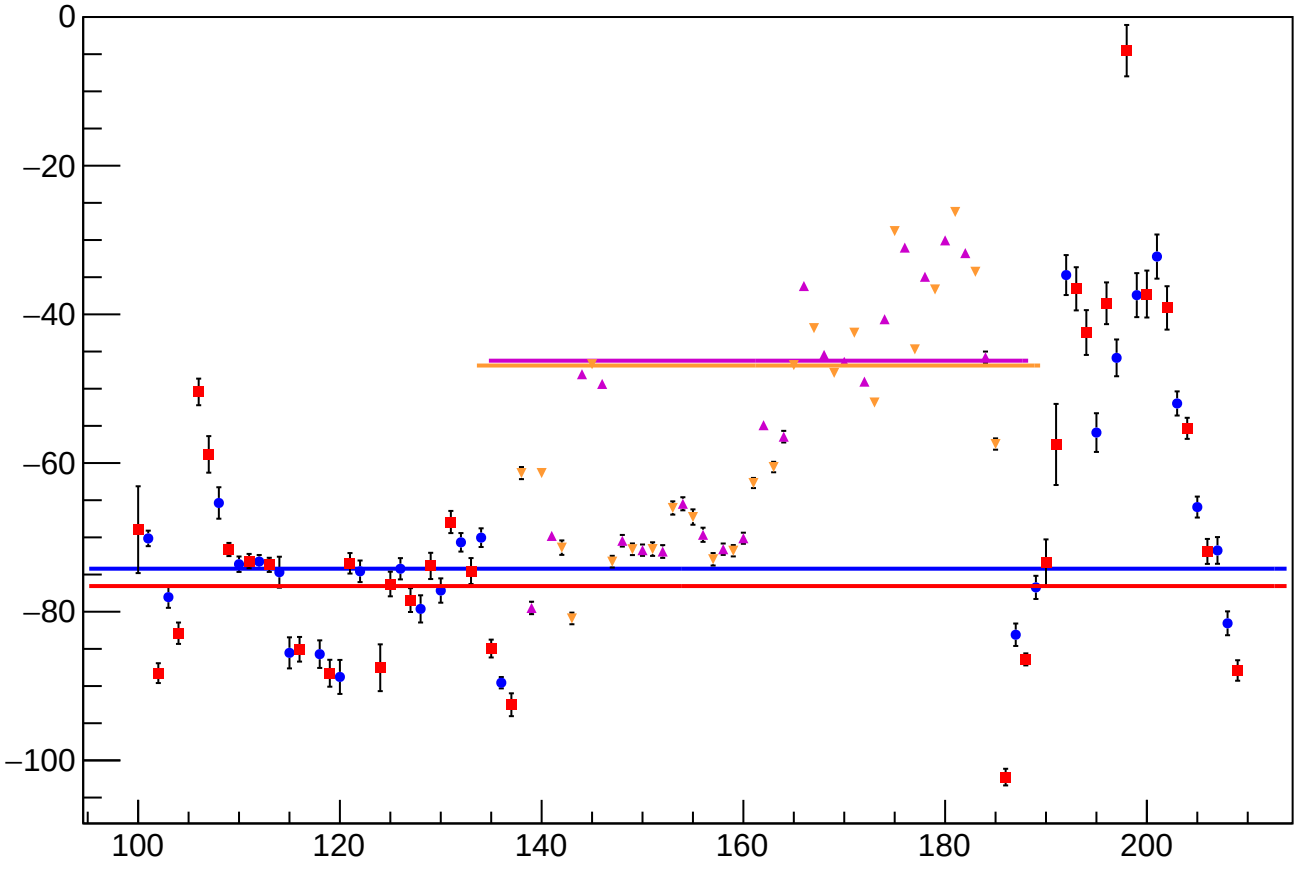
Left: 6.598+/-0.064 χ^2/NDF: 8051.9/47

Right: 3.244+/-0.208 χ^2/NDF: 516.5/58

In: 6.149+/-0.087 χ^2/NDF:3764.0/49

Out: 6.462+/-0.086 χ^2/NDF:5035.7/56

All: 6.307+/-0.061 χ^2/NDF: 8806.2/106



Right In: -74.213+/-0.283 χ^2/NDF: 1616.0/26

Left Out: -46.883+/-0.114 χ^2/NDF:17974.5/24

Right Out: -76.550+/-0.270 χ^2/NDF: 2938.5/31

Left In: -46.231+/-0.116 χ^2/NDF:15169.3/22

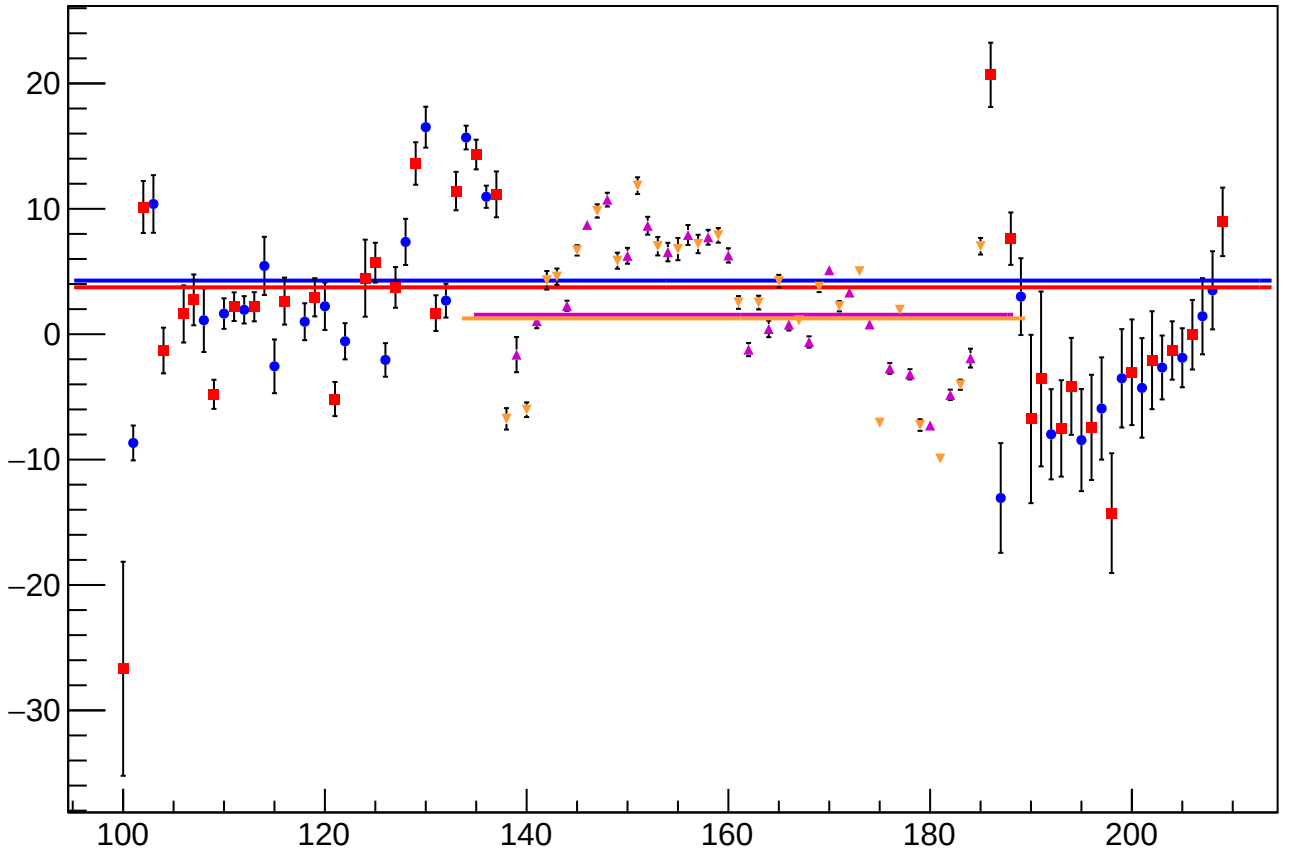
Left: -46.563+/-0.081 χ^2/NDF: 33159.8/47

Right: -75.438+/-0.195 χ^2/NDF: 4590.2/58

In: -50.276+/-0.108 χ^2/NDF:25157.4/49

Out: -51.377+/-0.105 χ^2/NDF:31191.7/56

All: -50.840+/-0.075 χ^2/NDF: 56402.9/106



Right In: 4.277+/-0.330 χ^2/NDF: 485.6/26

Left Out: 1.261+/-0.100 χ^2/NDF:3445.7/24

Right Out: 3.739+/-0.336 χ^2/NDF: 391.3/31

Left In: 1.551+/-0.102 χ^2/NDF:2335.7/22

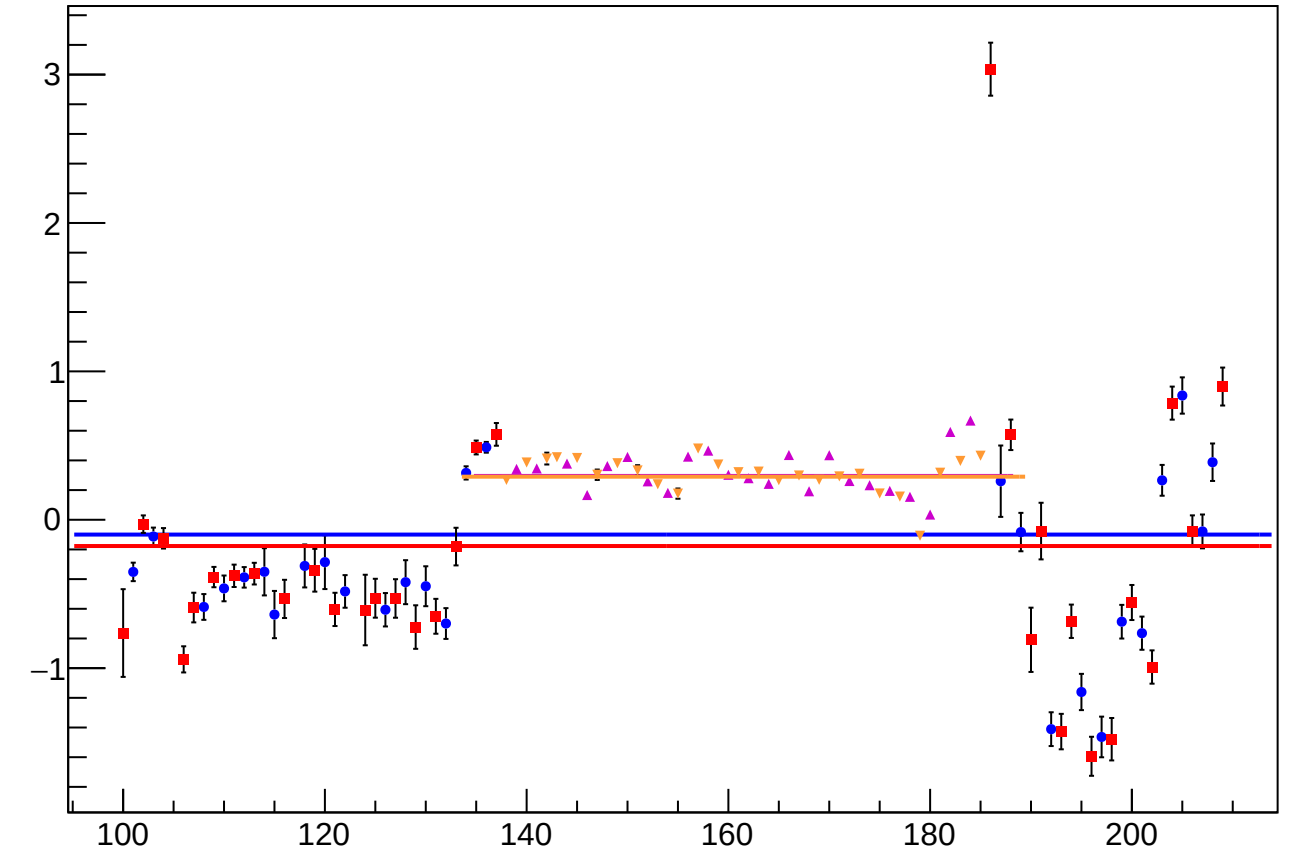
Left: 1.404+/-0.072 χ^2/NDF: 5785.4/47

Right: 4.013+/-0.235 χ^2/NDF: 878.3/58

In: 1.789+/-0.097 χ^2/NDF:2883.8/49

Out: 1.465+/-0.096 χ^2/NDF:3887.0/56

All: 1.625+/-0.068 χ^2/NDF: 6776.4/106



Right In: -0.100+/-0.017 χ^2/NDF: 985.7/26

Left Out: 0.290+/-0.004 χ^2/NDF:719.3/24

Right Out: -0.177+/-0.018 χ^2/NDF: 1419.9/31

Left In: 0.295+/-0.005 χ^2/NDF:1035.4/22

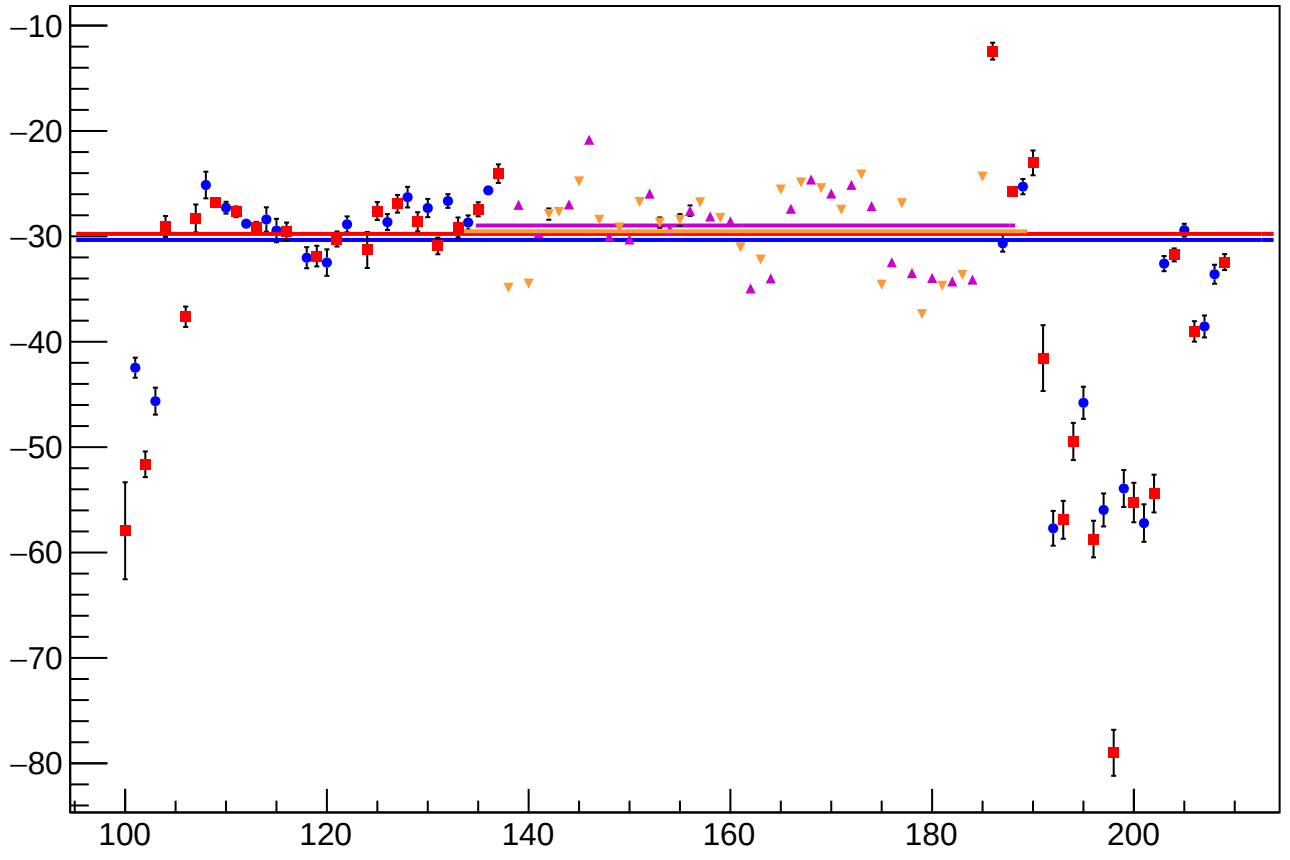
Left: 0.293+/-0.003 χ^2/NDF: 1755.3/47

Right: -0.137+/-0.012 χ^2/NDF: 2415.7/58

In: 0.268+/-0.004 χ^2/NDF:2532.9/49

Out: 0.262+/-0.004 χ^2/NDF:2807.7/56

All: 0.265+/-0.003 χ^2/NDF: 5341.8/106



Right In: -30.340+/-0.156 χ^2/NDF: 1752.7/26

Left Out: -29.516+/-0.056 χ^2/NDF:6088.5/24

Right Out: -29.767+/-0.149 χ^2/NDF: 2795.5/31

Left In: -28.971+/-0.057 χ^2/NDF:5348.6/22

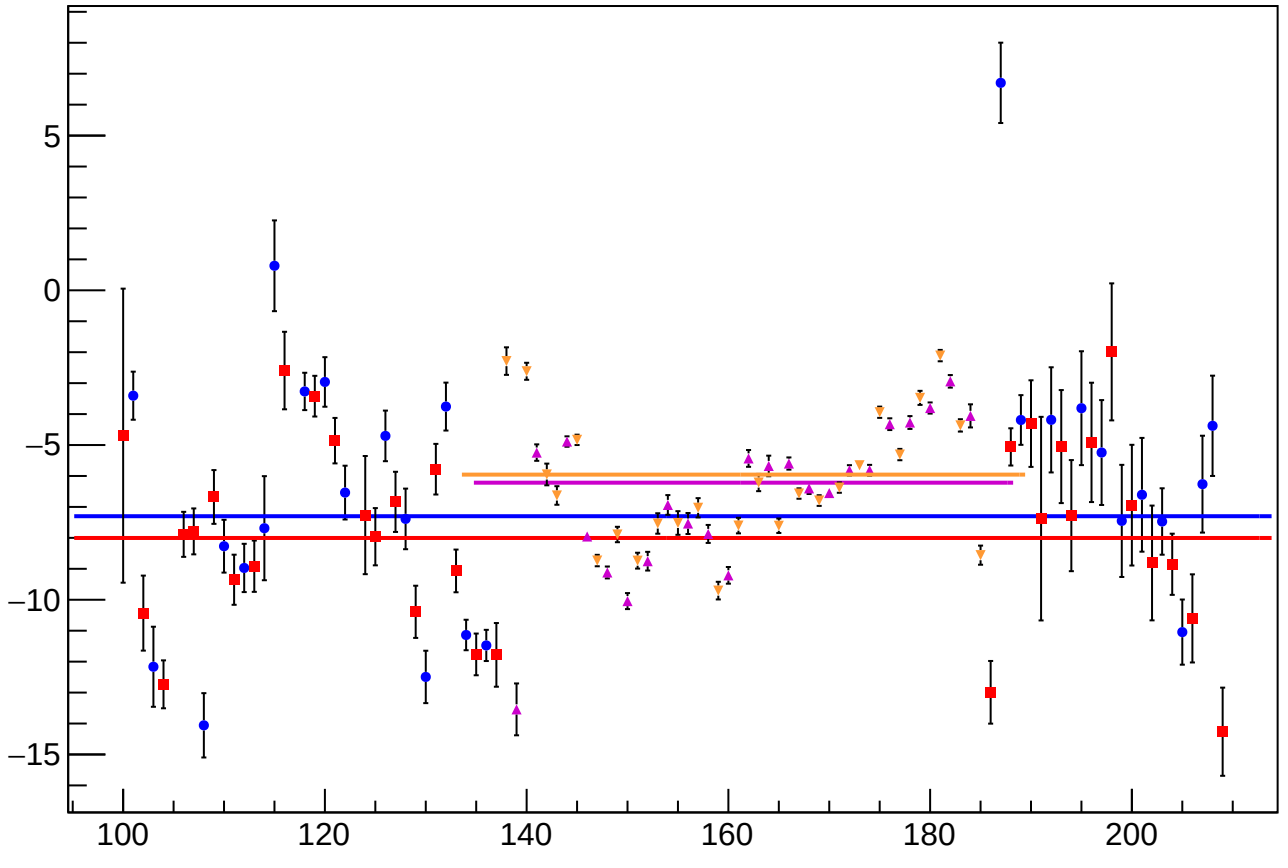
Left: -29.247+/-0.040 χ^2/NDF: 11483.3/47

Right: -30.040+/-0.108 χ^2/NDF: 4555.2/58

In: -29.132+/-0.054 χ^2/NDF:7169.2/49

Out: -29.548+/-0.053 χ^2/NDF:8886.4/56

All: -29.343+/-0.038 χ^2/NDF: 16086.2/106



Right In: -7.300+/-0.175 χ^2/NDF: 547.1/26

Left Out: -5.956+/-0.044 χ^2/NDF:1857.8/24

Right Out: -8.004+/-0.172 χ^2/NDF: 289.5/31

Left In: -6.217+/-0.044 χ^2/NDF:1741.8/22

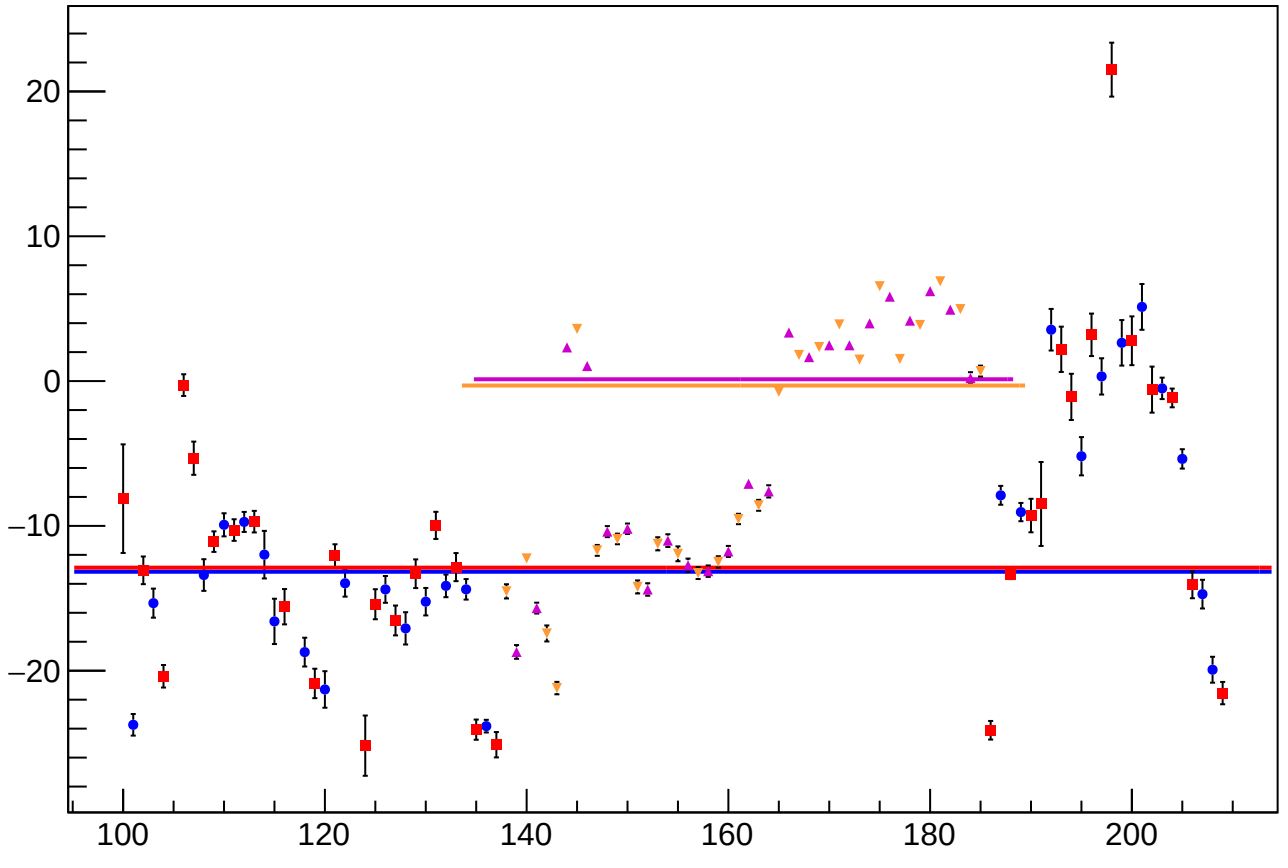
Left: -6.087+/-0.031 χ^2/NDF: 3616.9/47

Right: -7.659+/-0.123 χ^2/NDF: 844.8/58

In: -6.282+/-0.043 χ^2/NDF:2324.8/49

Out: -6.084+/-0.043 χ^2/NDF:2280.3/56

All: -6.183+/-0.030 χ^2/NDF: 4615.7/106



Right In: -13.165+/-0.166 χ^2/NDF: 2061.1/26

Left Out: -0.306+/-0.057 χ^2/NDF:17181.6/24

Right Out: -12.883+/-0.155 χ^2/NDF: 2570.7/31

Left In: 0.125+/-0.057 χ^2/NDF:13838.6/22

Left: -0.092+/-0.040 χ^2/NDF: 31049.0/47

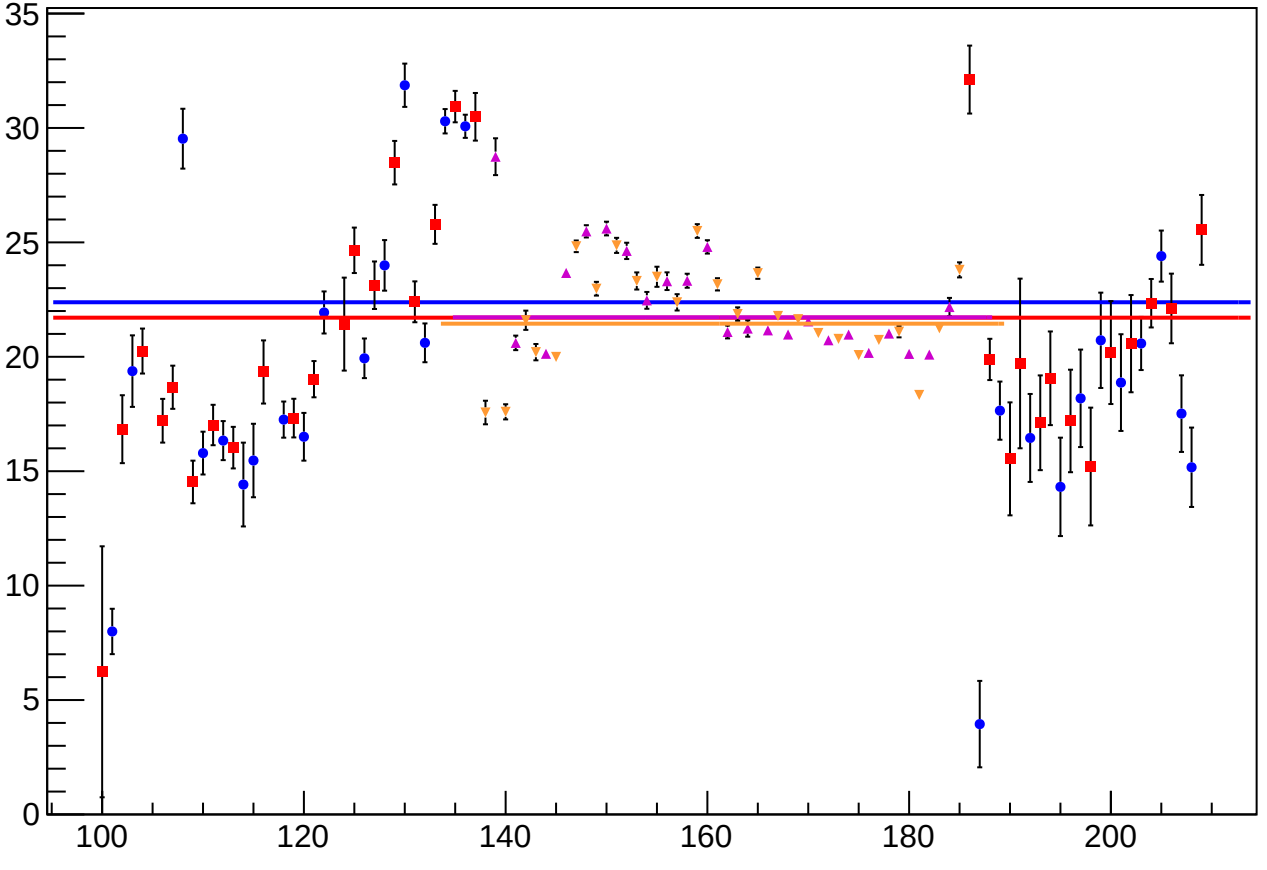
Right: -13.015+/-0.113 χ^2/NDF: 4633.3/58

In: -1.284+/-0.054 χ^2/NDF:21664.4/49

Out: -1.786+/-0.053 χ^2/NDF:25571.3/56

All: -1.539+/-0.038 χ^2/NDF: 47279.7/106

reg_asym_sam_37_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 22.383+/-0.199 χ^2/NDF: 1194.1/26

Left Out: 21.447+/-0.050 χ^2/NDF:1325.2/24

Right Out: 21.709+/-0.201 χ^2/NDF: 642.5/31

Left In: 21.725+/-0.050 χ^2/NDF:1173.7/22

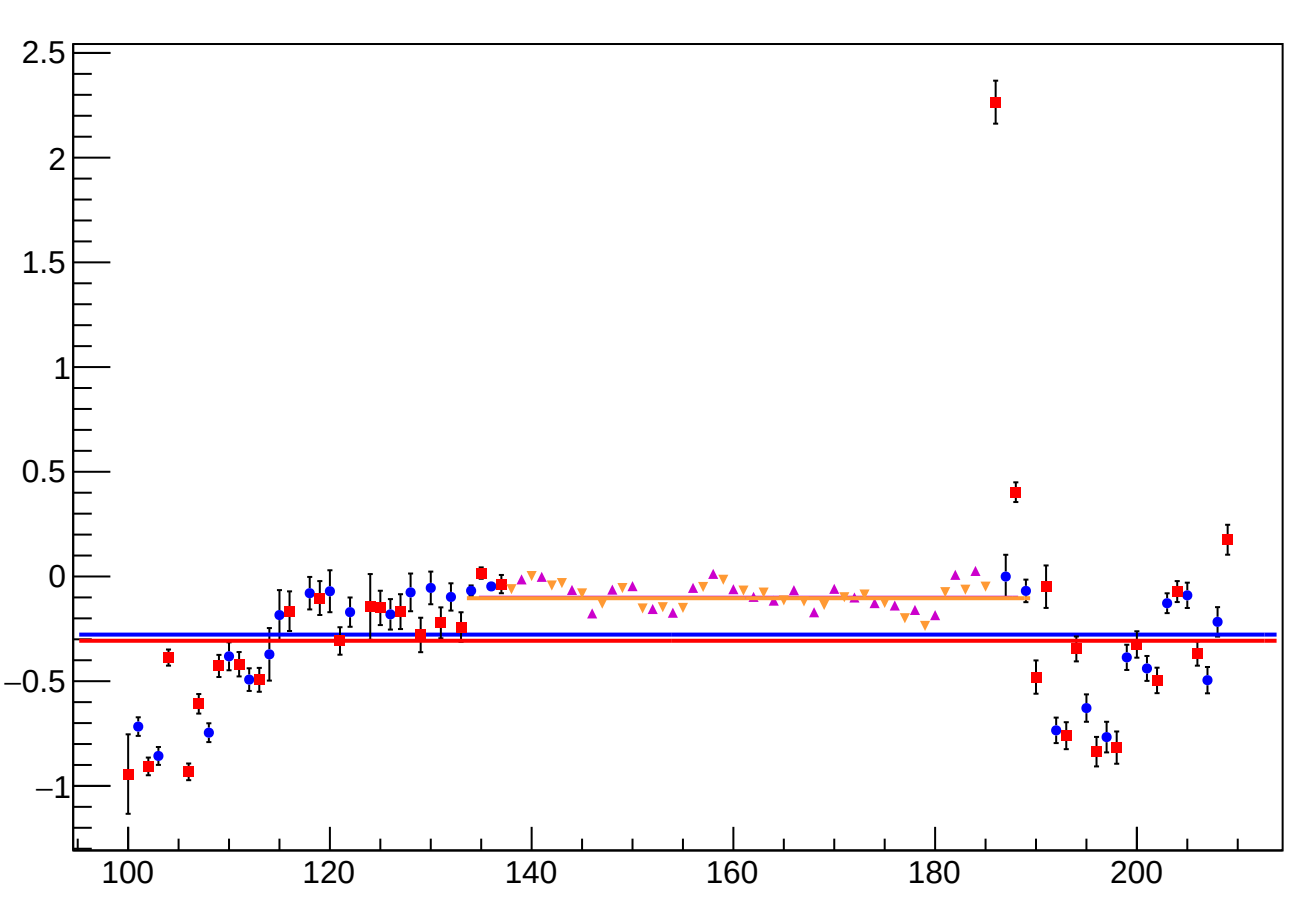
Left: 21.586+/-0.035 χ^2/NDF: 2514.7/47

Right: 22.050+/-0.141 χ^2/NDF: 1842.3/58

In: 21.764+/-0.048 χ^2/NDF:2378.2/49

Out: 21.462+/-0.048 χ^2/NDF:1969.3/56

All: 21.613+/-0.034 χ^2/NDF: 4367.2/106



Right In: -0.278+/-0.010 χ^2/NDF: 834.1/26

Left Out: -0.104+/-0.002 χ^2/NDF:547.4/24

Right Out: -0.307+/-0.010 χ^2/NDF: 1819.7/31

Left In: -0.101+/-0.002 χ^2/NDF:757.6/22

Left: -0.103+/-0.002 χ^2/NDF: 1305.7/47

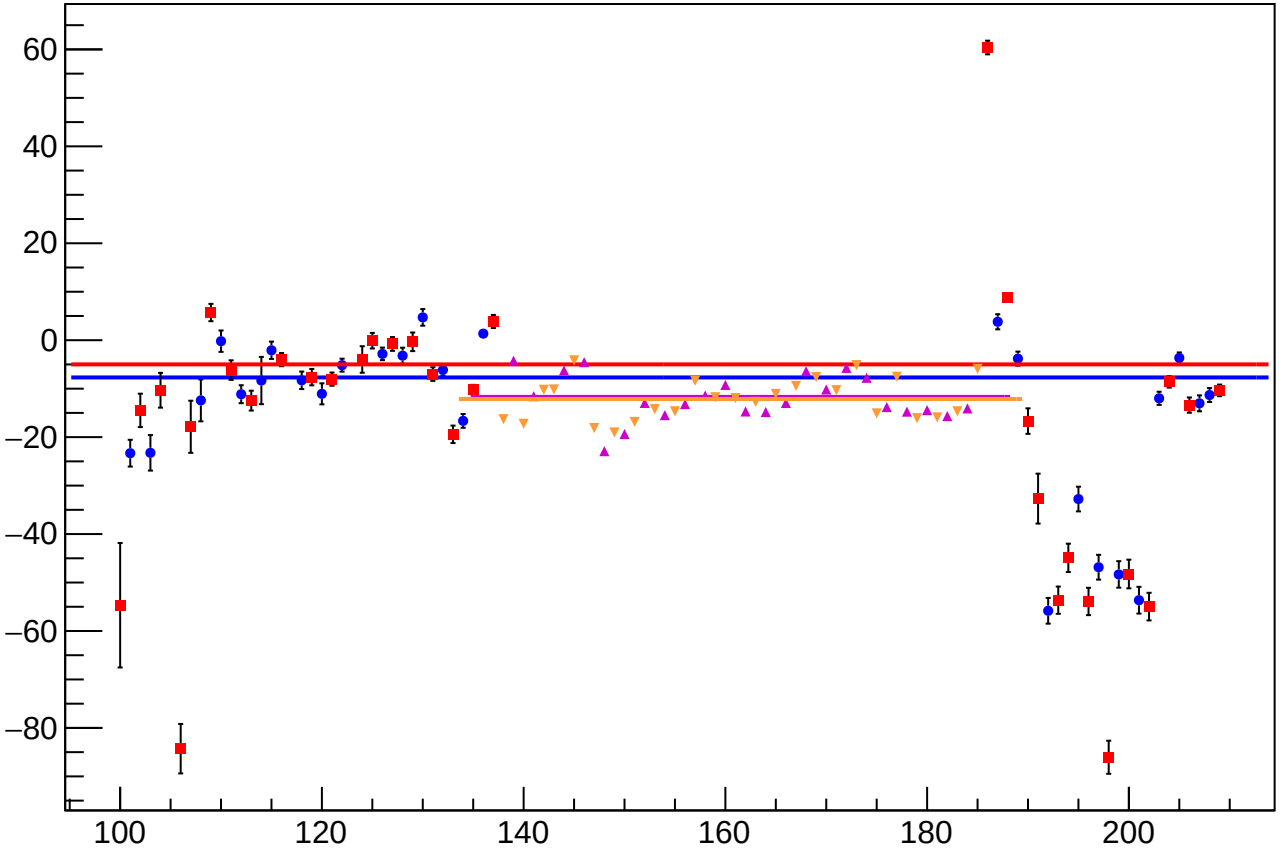
Right: -0.292+/-0.007 χ^2/NDF: 2658.1/58

In: -0.110+/-0.002 χ^2/NDF:1893.7/49

Out: -0.113+/-0.002 χ^2/NDF:2748.2/56

All: -0.111+/-0.002 χ^2/NDF: 4642.9/106

reg_asym_sam_26_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -7.685+/-0.306 χ^2/NDF: 1634.0/26

Left Out: -12.143+/-0.092 χ^2/NDF:2130.5/24

Right Out: -4.989+/-0.305 χ^2/NDF: 4896.3/31

Left In: -11.698+/-0.094 χ^2/NDF:1951.0/22

Left: -11.927+/-0.066 χ^2/NDF: 4092.9/47

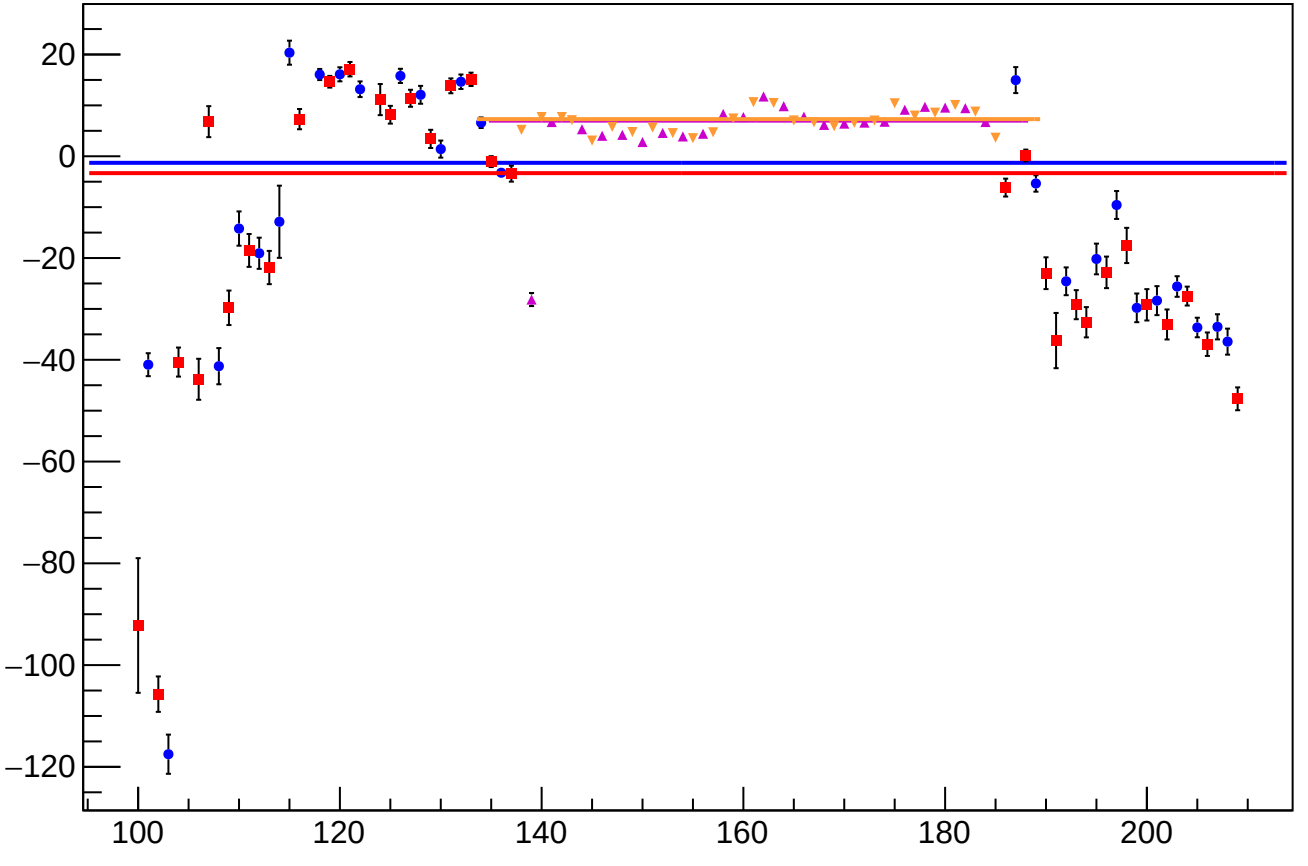
Right: -6.332+/-0.216 χ^2/NDF: 6569.2/58

In: -11.351+/-0.090 χ^2/NDF:3741.7/49

Out: -11.553+/-0.088 χ^2/NDF:7530.5/56

All: -11.455+/-0.063 χ^2/NDF: 11274.8/106

reg_asym_sam_26_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -1.288+/-0.338 χ^2/NDF: 3526.1/26

Left Out: 7.297+/-0.075 χ^2/NDF:822.9/24

Right Out: -3.315+/-0.351 χ^2/NDF: 3551.2/31

Left In: 7.004+/-0.076 χ^2/NDF:1576.0/22

Left: 7.153+/-0.053 χ^2/NDF: 2406.4/47

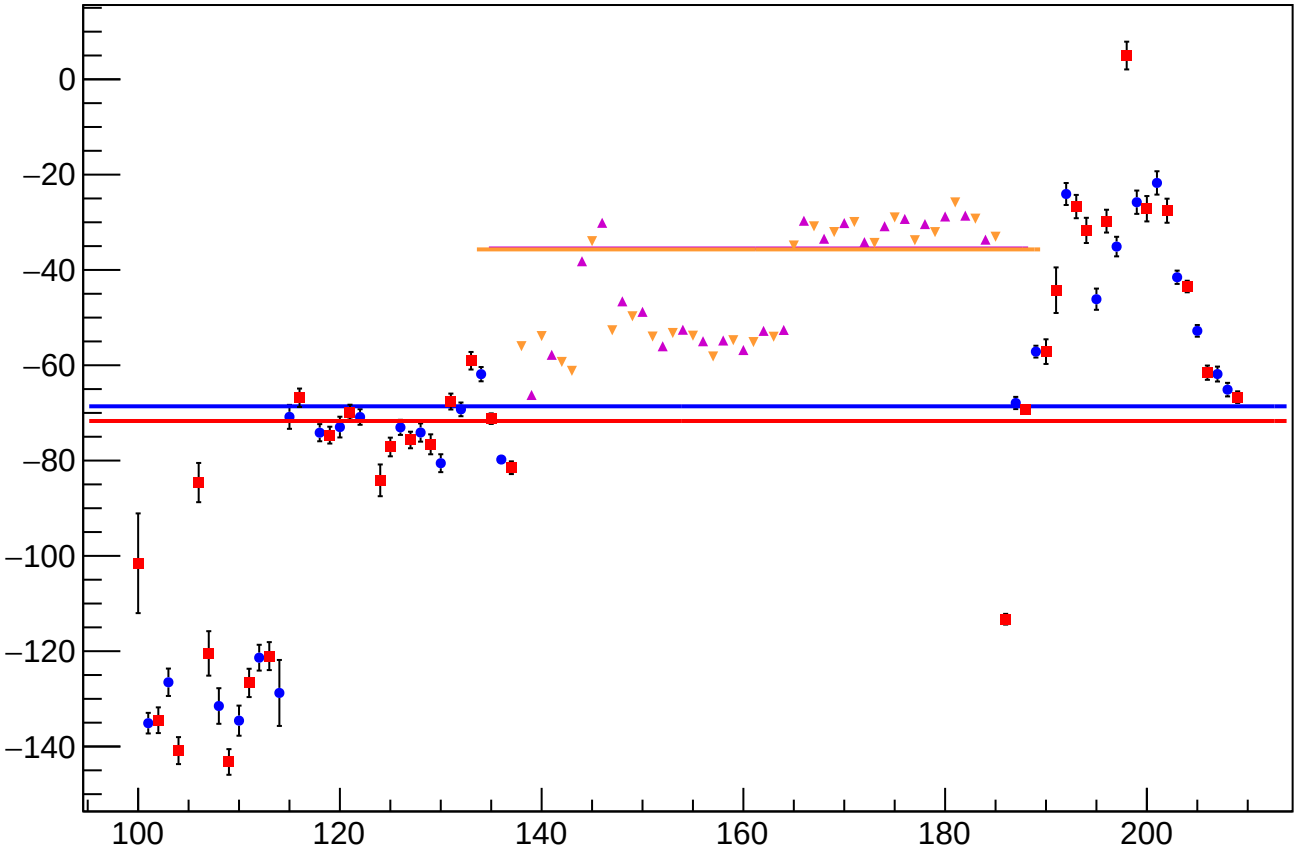
Right: -2.265+/-0.243 χ^2/NDF: 7094.7/58

In: 6.606+/-0.074 χ^2/NDF:5674.1/49

Out: 6.833+/-0.073 χ^2/NDF:5249.9/56

All: 6.721+/-0.052 χ^2/NDF: 10928.8/106

reg_asym_sam_26_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -68.614+/-0.315 χ^2/NDF: 4954.1/26

Left Out: -35.690+/-0.092 χ^2/NDF:12778.3/24

Right Out: -71.695+/-0.306 χ^2/NDF: 6947.8/31

Left In: -35.497+/-0.095 χ^2/NDF:11162.0/22

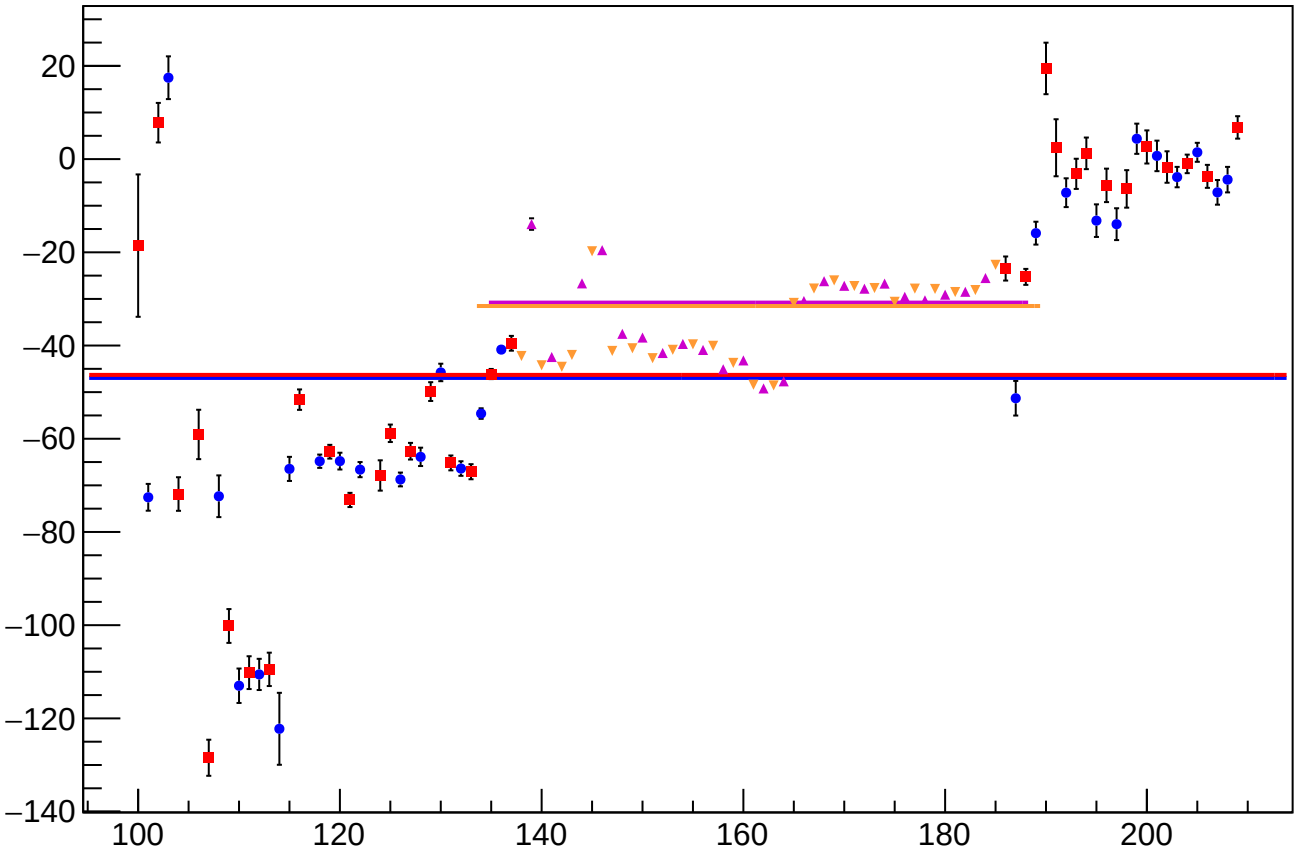
Left: -35.596+/-0.066 χ^2/NDF: 23942.5/47

Right: -70.200+/-0.220 χ^2/NDF: 11951.1/58

In: -38.230+/-0.091 χ^2/NDF:26233.5/49

Out: -38.685+/-0.088 χ^2/NDF:32403.1/56

All: -38.463+/-0.063 χ^2/NDF: 58649.5/106



Right In: -46.950+/-0.380 χ^2/NDF: 4489.6/26

Left Out: -31.520+/-0.083 χ^2/NDF:8457.7/24

Right Out: -46.299+/-0.403 χ^2/NDF: 5175.1/31

Left In: -30.789+/-0.084 χ^2/NDF:7548.8/22

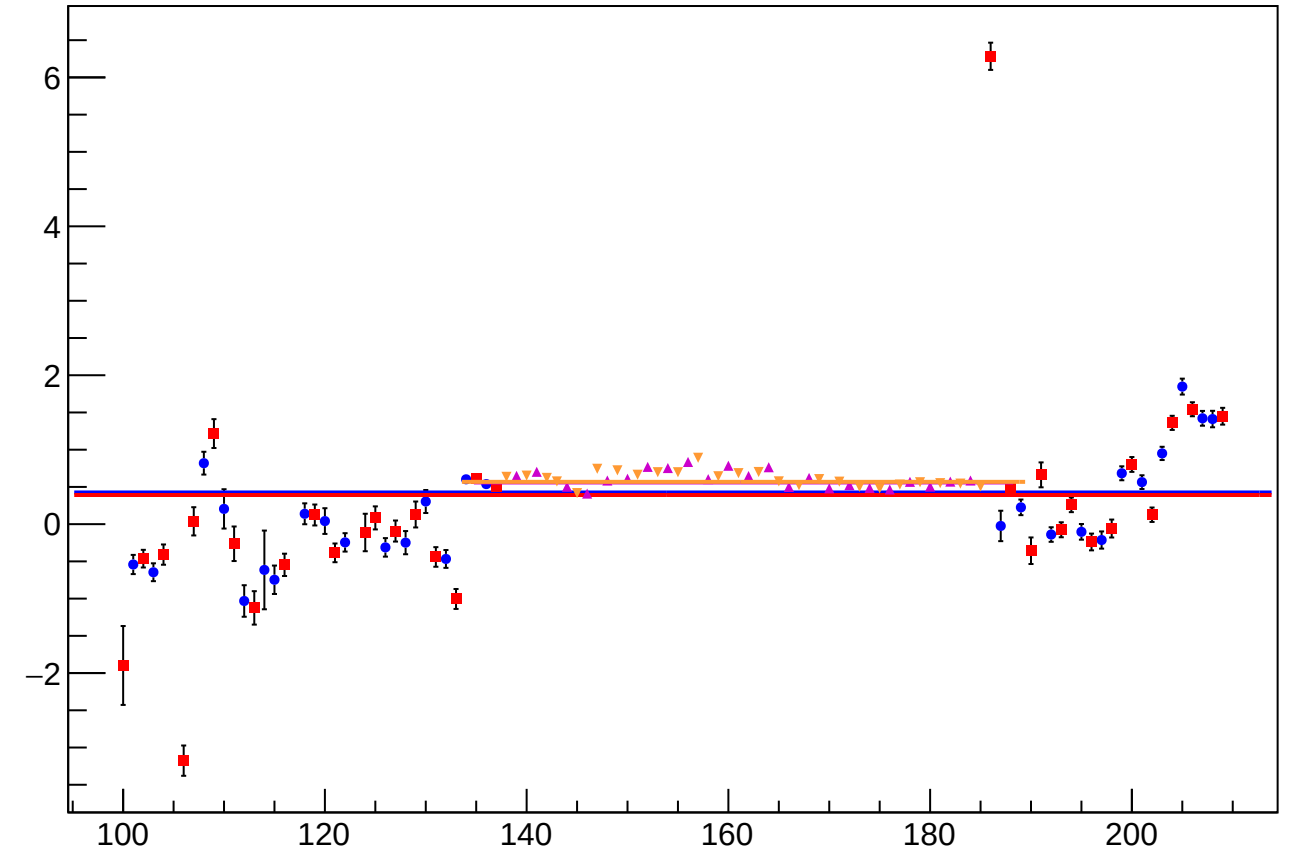
Left: -31.161+/-0.059 χ^2/NDF: 16044.8/47

Right: -46.644+/-0.276 χ^2/NDF: 9666.0/58

In: -31.549+/-0.082 χ^2/NDF:13766.5/49

Out: -32.118+/-0.081 χ^2/NDF:14922.8/56

All: -31.838+/-0.058 χ^2/NDF: 28713.6/106



Right In: 0.425+/-0.019 χ^2/NDF: 902.7/26

Left Out: 0.568+/-0.004 χ^2/NDF:554.5/24

Right Out: 0.392+/-0.020 χ^2/NDF: 2263.4/31

Left In: 0.560+/-0.004 χ^2/NDF:671.5/22

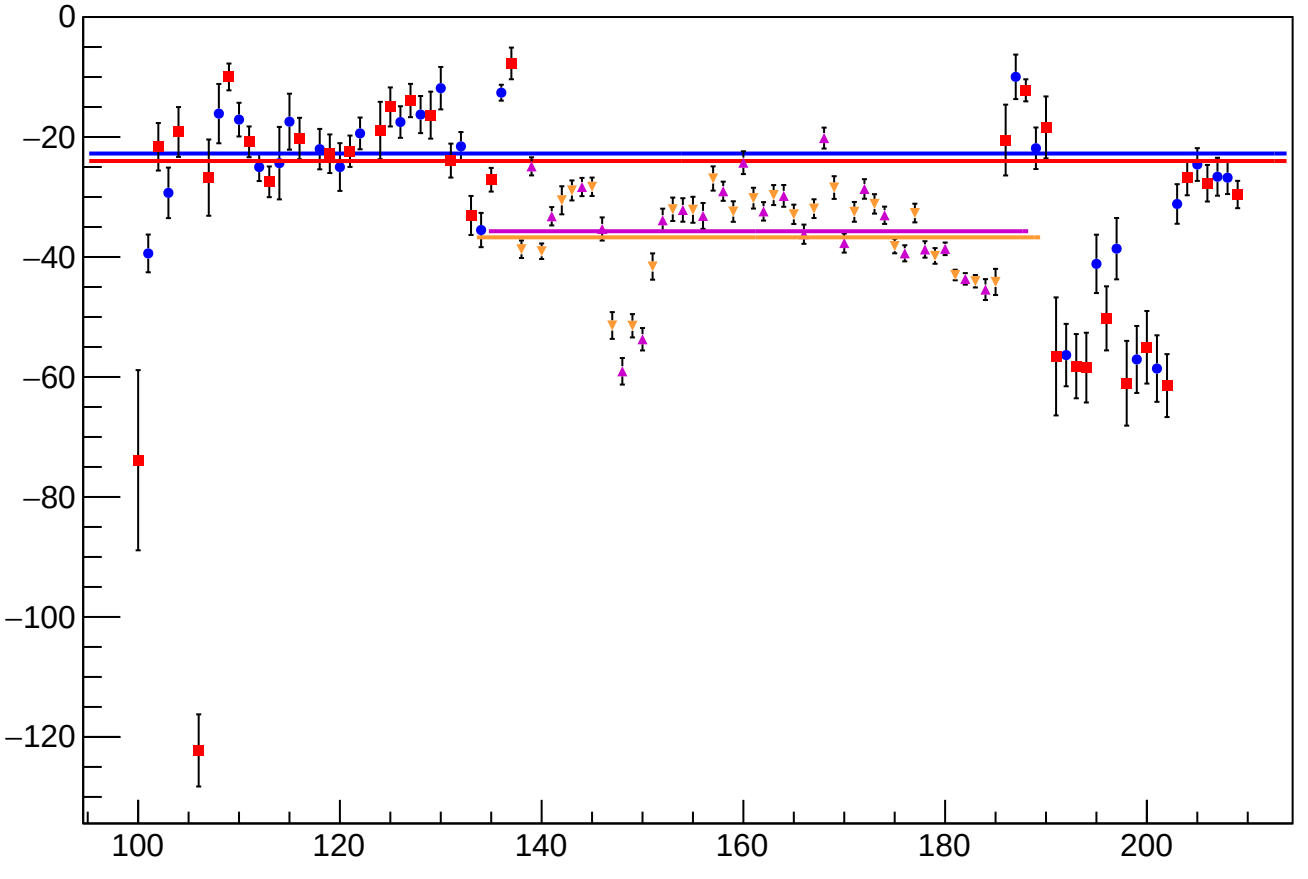
Left: 0.564+/-0.003 χ^2/NDF: 1228.5/47

Right: 0.410+/-0.014 χ^2/NDF: 3167.7/58

In: 0.555+/-0.004 χ^2/NDF:1624.8/49

Out: 0.562+/-0.004 χ^2/NDF:2894.0/56

All: 0.559+/-0.003 χ^2/NDF: 4521.1/106



Right In: -22.753+/-0.590 χ^2/NDF: 304.8/26

Left Out: -36.724+/-0.310 χ^2/NDF:420.8/24

Right Out: -24.003+/-0.584 χ^2/NDF: 665.1/31

Left In: -35.706+/-0.323 χ^2/NDF:578.6/22

Left: -36.236+/-0.224 χ^2/NDF: 1004.6/47

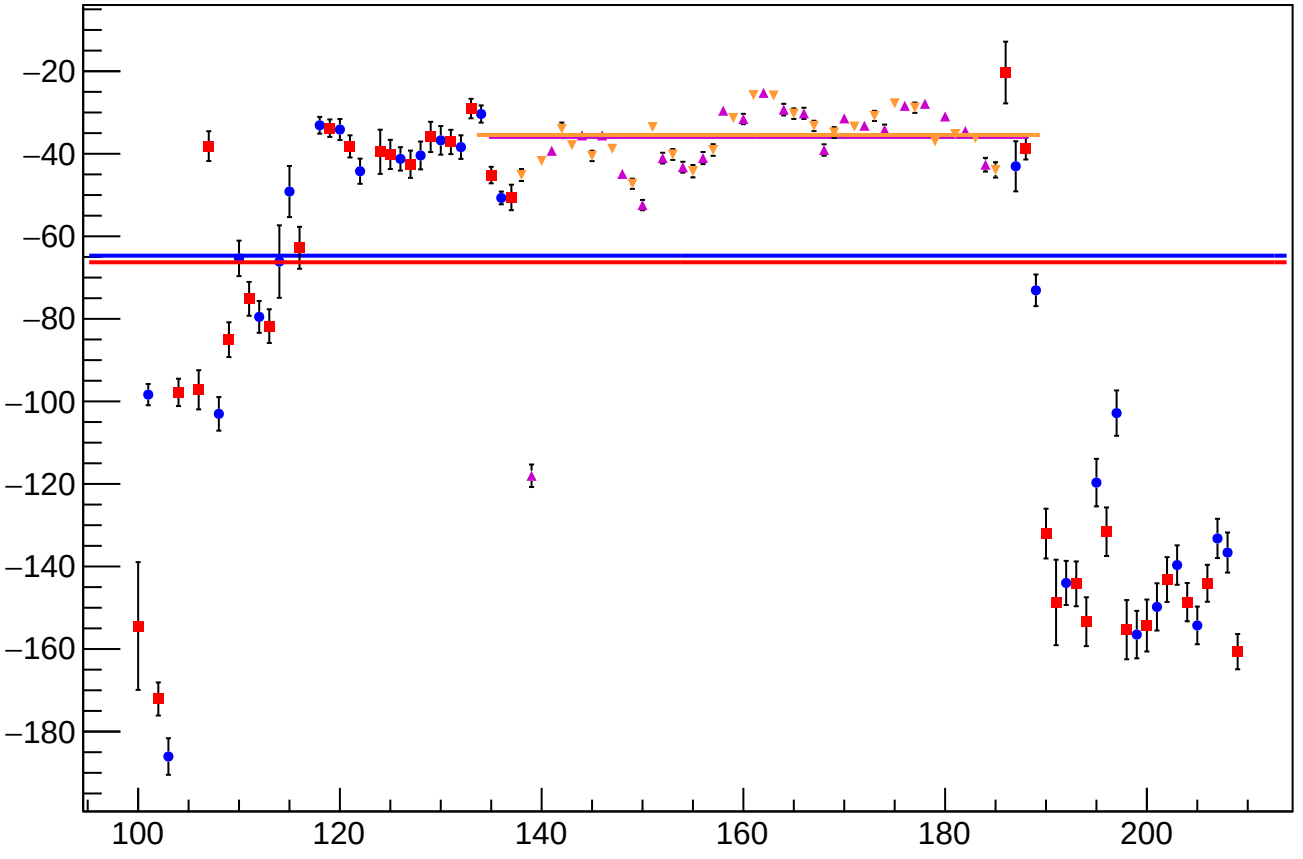
Right: -23.385+/-0.415 χ^2/NDF: 972.2/58

In: -32.719+/-0.283 χ^2/NDF:1254.0/49

Out: -33.921+/-0.274 χ^2/NDF:1456.4/56

All: -33.341+/-0.197 χ^2/NDF: 2719.7/106

reg_asym_sam_26_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -64.691+/-0.642 χ^2/NDF: 3995.9/26

Left Out: -35.442+/-0.245 χ^2/NDF:537.8/24

Right Out: -66.294+/-0.658 χ^2/NDF: 4523.0/31

Left In: -35.913+/-0.256 χ^2/NDF:1543.1/22

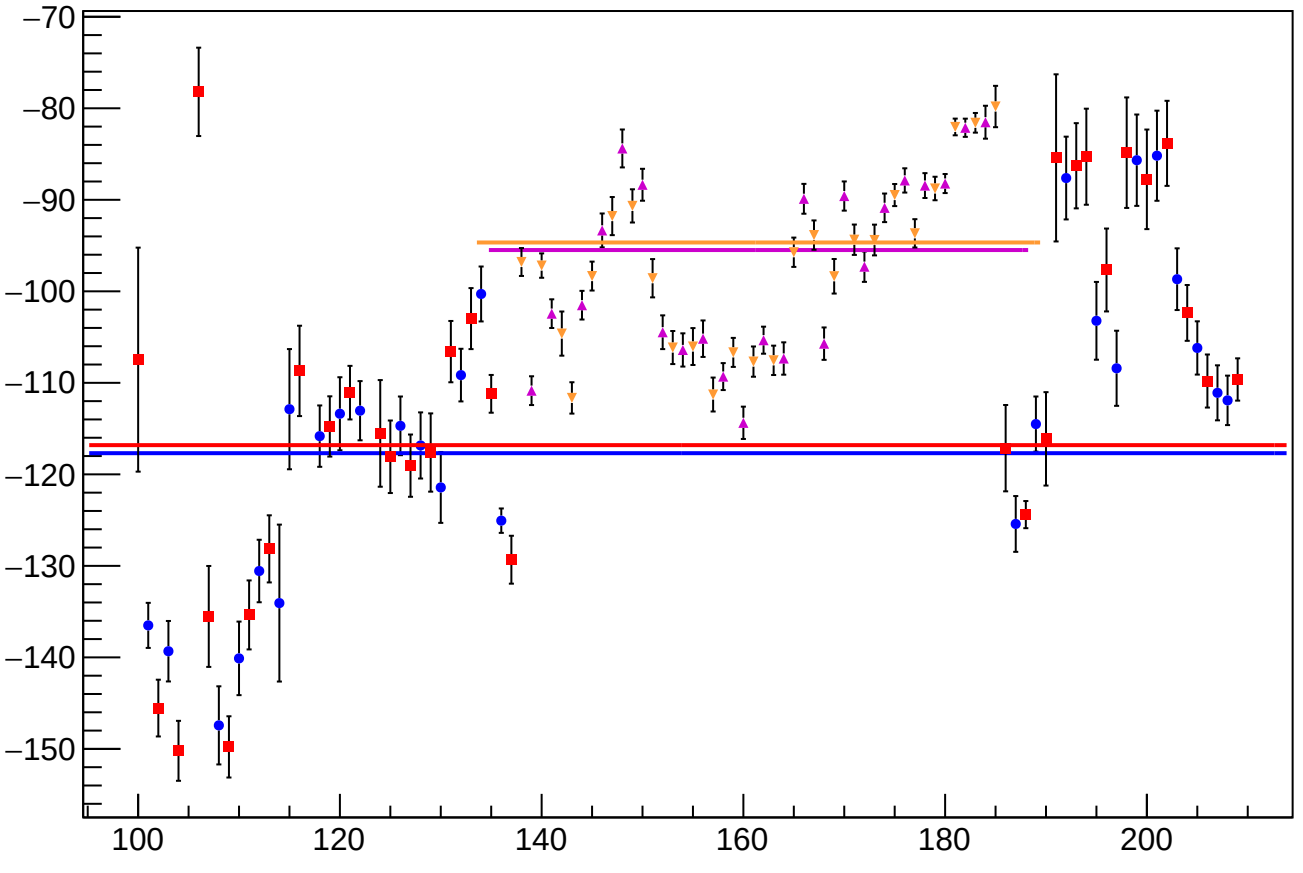
Left: -35.667+/-0.177 χ^2/NDF: 2082.7/47

Right: -65.472+/-0.460 χ^2/NDF: 8521.9/58

In: -39.866+/-0.238 χ^2/NDF:7273.0/49

Out: -39.193+/-0.230 χ^2/NDF:6990.4/56

All: -39.517+/-0.165 χ^2/NDF: 14267.5/106



Right In: -117.687+/-0.609 χ^2/NDF: 487.7/26

Left Out: -94.663+/-0.310 χ^2/NDF:900.1/24

Right Out: -116.808+/-0.602 χ^2/NDF: 740.7/31

Left In: -95.489+/-0.321 χ^2/NDF:970.1/22

Left: -95.061+/-0.223 χ^2/NDF: 1873.6/47

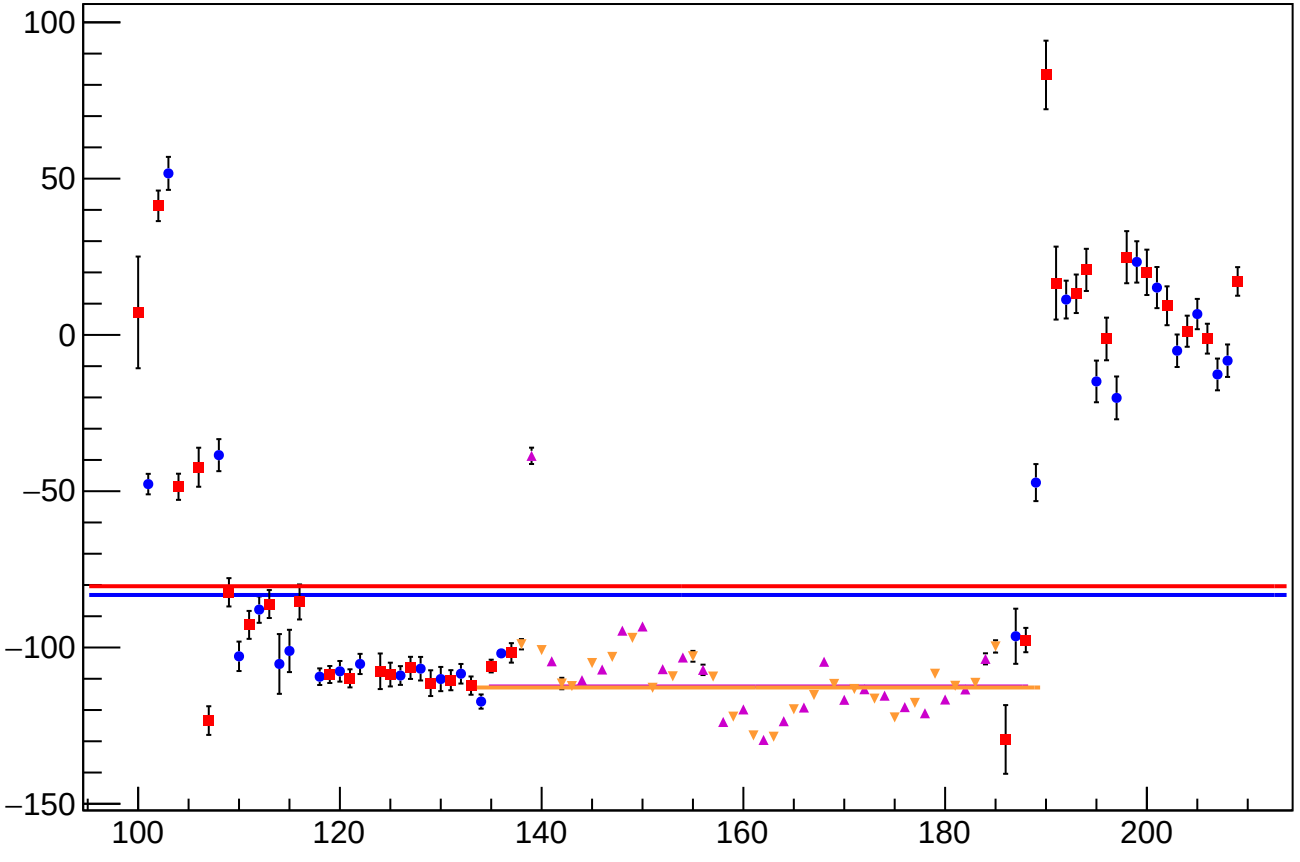
Right: -117.242+/-0.428 χ^2/NDF: 1229.5/58

In: -100.317+/-0.284 χ^2/NDF:2496.6/49

Out: -99.301+/-0.275 χ^2/NDF:2710.9/56

All: -99.793+/-0.198 χ^2/NDF: 5214.0/106

reg_asym_sam_26_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -83.195+/-0.725 χ^2/NDF: 3596.6/26

Left Out: -112.794+/-0.274 χ^2/NDF:936.4/24

Right Out: -80.394+/-0.754 χ^2/NDF: 4127.5/31

Left In: -112.465+/-0.285 χ^2/NDF:1788.6/22

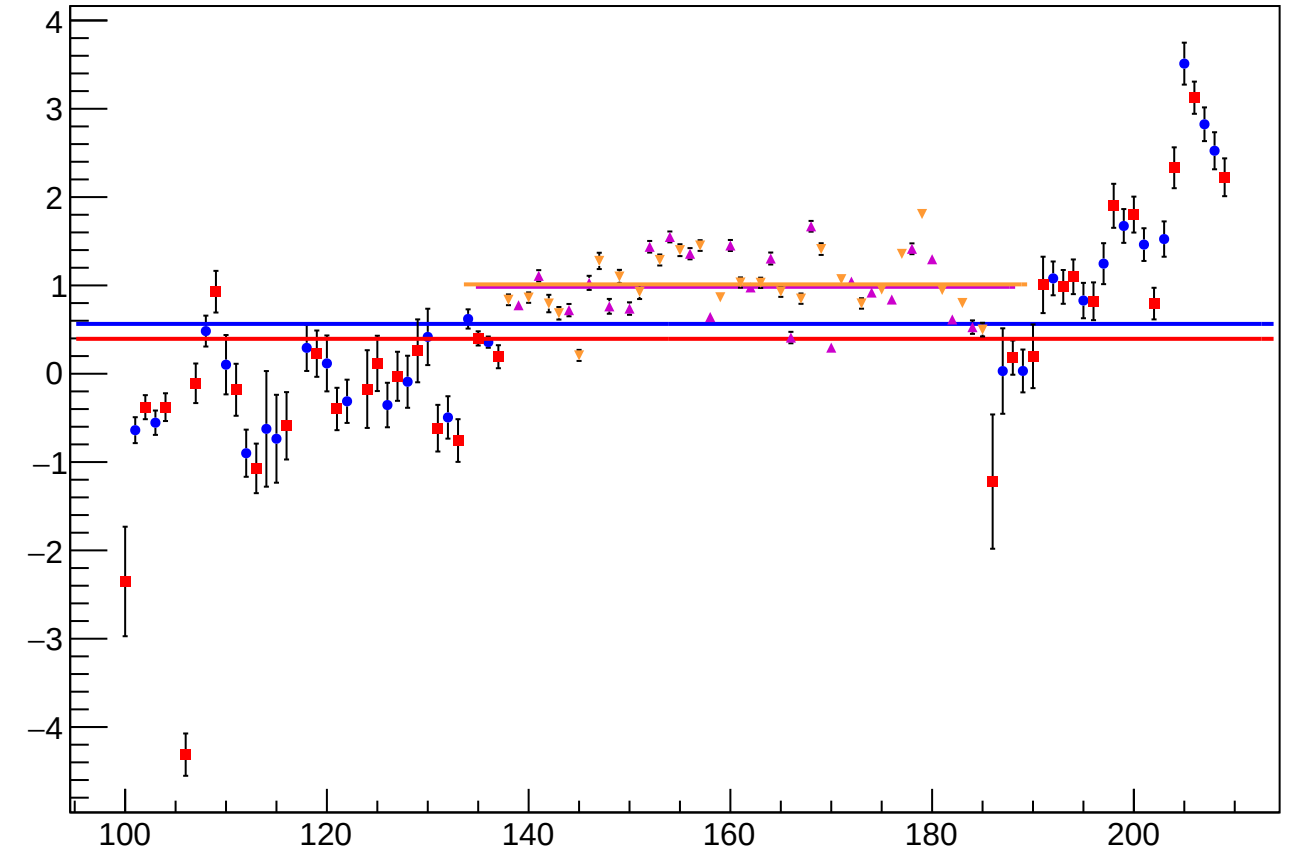
Left: -112.636+/-0.197 χ^2/NDF: 2725.7/47

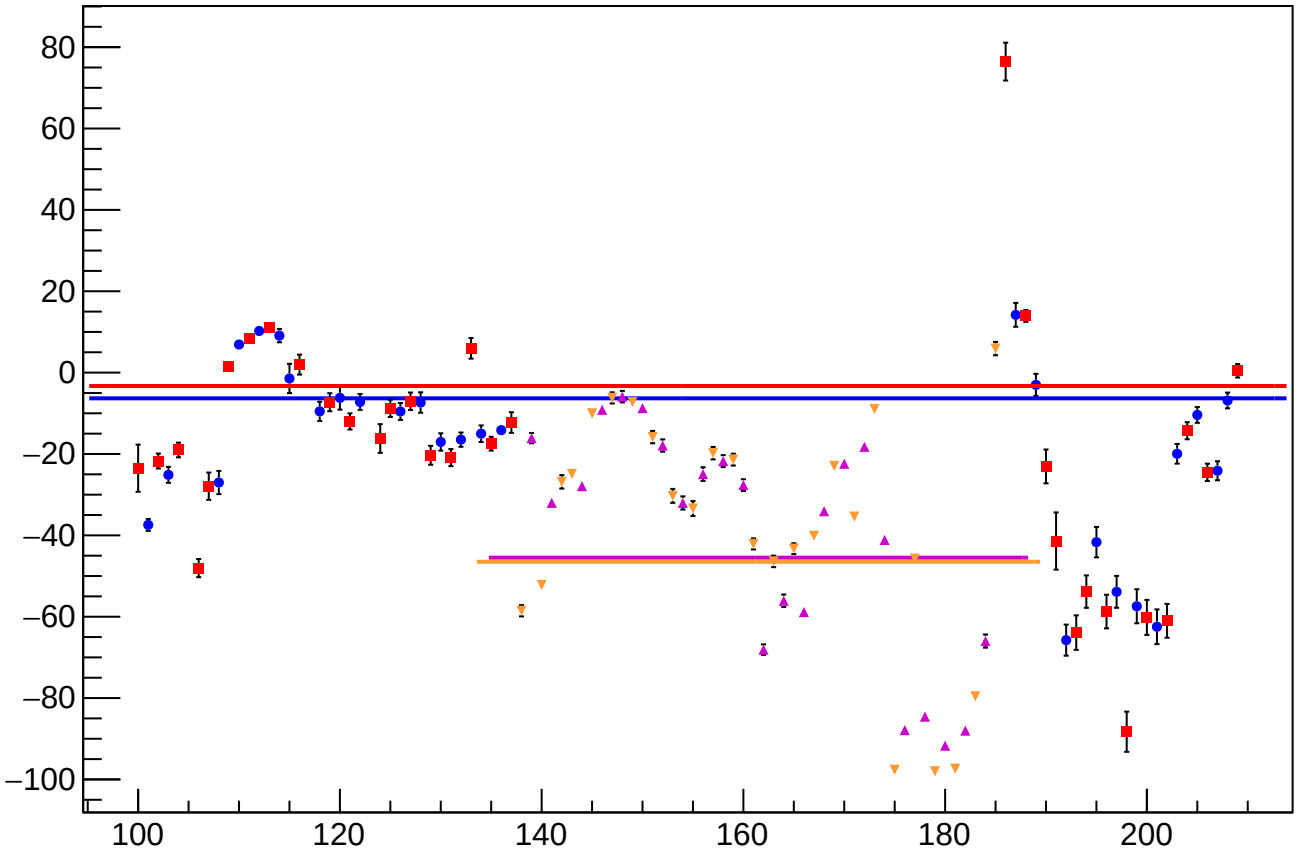
Right: -81.850+/-0.522 χ^2/NDF: 7731.3/58

In: -108.549+/-0.265 χ^2/NDF:6798.2/49

Out: -109.013+/-0.258 χ^2/NDF:6695.1/56

All: -108.788+/-0.185 χ^2/NDF: 13494.9/106


reg_asym_sam_26_dd_diff_bpm12X_slope vs Slug, Sign Corrected
4
3
2
1
0
−1
−2
−3
−4
100
120
140
160
180
200
Right In: 0.564+/-0.035 χ²/NDF: 725.3/26
Left Out: 1.012+/-0.012 χ²/NDF:691.2/24
Right Out: 0.395+/-0.036 χ²/NDF: 1059.2/31
Left In: 0.984+/-0.013 χ²/NDF:900.0/22
Left: 0.998+/-0.009 χ²/NDF: 1593.6/47
Right: 0.483+/-0.025 χ²/NDF: 1795.8/58
In: 0.936+/-0.012 χ²/NDF:1754.8/49
Out: 0.949+/-0.012 χ²/NDF:2009.5/56
All: 0.942+/-0.008 χ²/NDF: 3764.9/106



Right In: -6.319+/-0.343 χ^2/NDF: 2529.4/26

Left Out: -46.493+/-0.230 χ^2/NDF:20046.7/24

Right Out: -3.291+/-0.309 χ^2/NDF: 3379.7/31

Left In: -45.487+/-0.238 χ^2/NDF:15571.1/22

Left: -46.006+/-0.165 χ^2/NDF: 35627.0/47

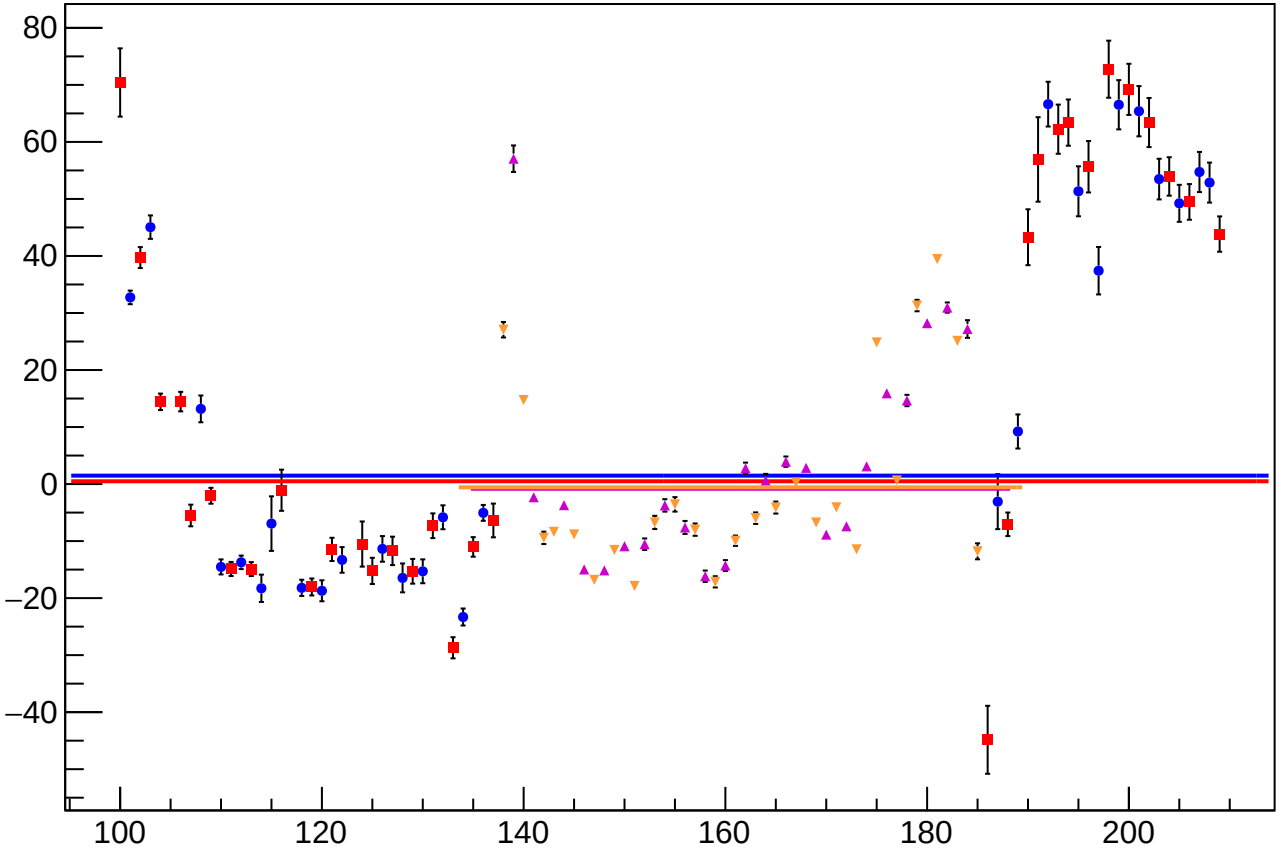
Right: -4.648+/-0.230 χ^2/NDF: 5952.1/58

In: -32.782+/-0.195 χ^2/NDF:26908.9/49

Out: -31.084+/-0.185 χ^2/NDF:36001.2/56

All: -31.884+/-0.134 χ^2/NDF: 62950.1/106

reg_asym_sam_48_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 1.478+/-0.403 χ^2/NDF: 4152.3/26

Left Out: -0.572+/-0.177 χ^2/NDF:8451.5/24

Right Out: 0.488+/-0.391 χ^2/NDF: 3860.2/31

Left In: -0.828+/-0.183 χ^2/NDF:6116.6/22

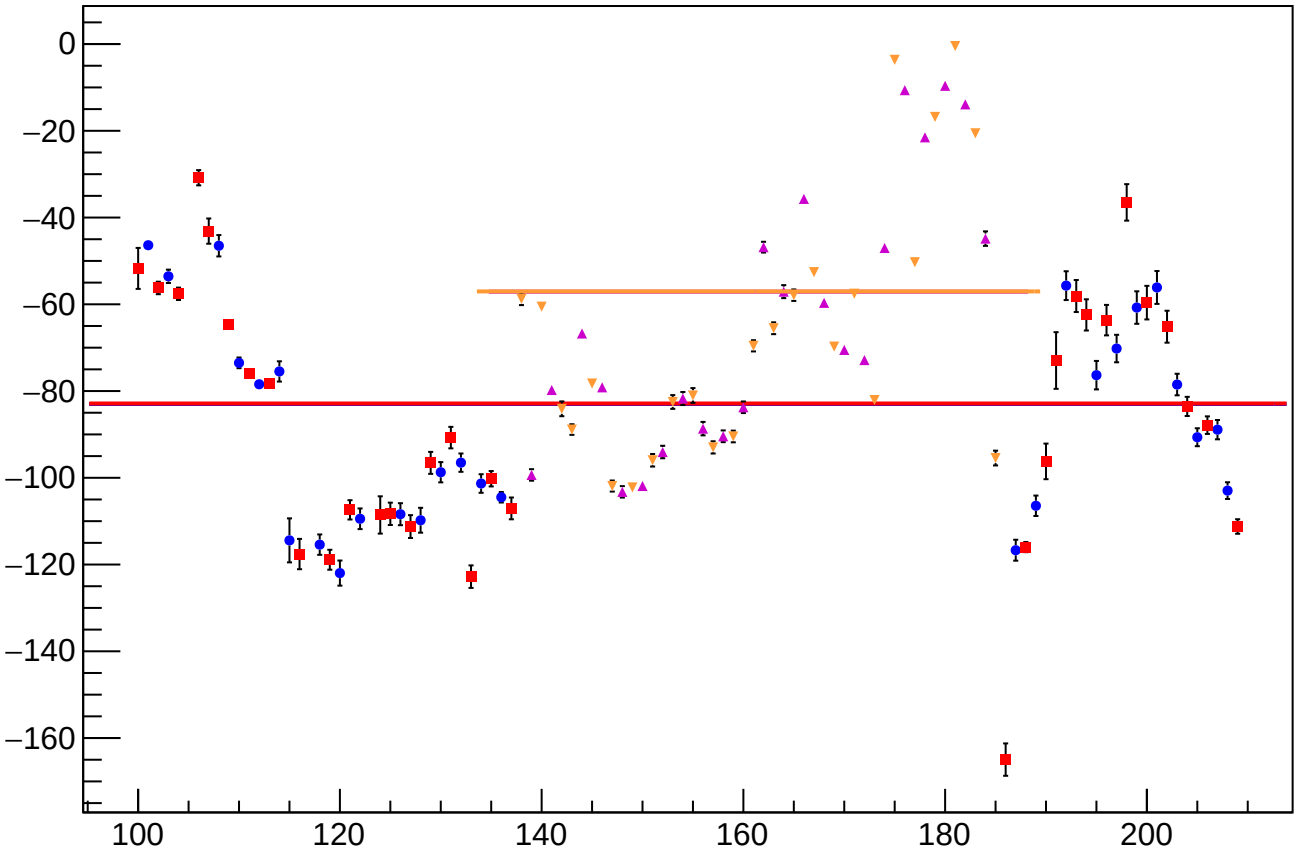
Left: -0.696+/-0.127 χ^2/NDF: 14569.0/47

Right: 0.968+/-0.281 χ^2/NDF: 8015.6/58

In: -0.434+/-0.167 χ^2/NDF:10296.0/49

Out: -0.392+/-0.161 χ^2/NDF:12317.8/56

All: -0.412+/-0.116 χ^2/NDF: 22613.8/106



Right In: -82.983+/-0.382 χ^2/NDF: 3488.3/26

Left Out: -57.029+/-0.230 χ^2/NDF:20309.3/24

Right Out: -82.875+/-0.356 χ^2/NDF: 5180.3/31

Left In: -57.091+/-0.237 χ^2/NDF:17167.8/22

Left: -57.059+/-0.165 χ^2/NDF: 37477.1/47

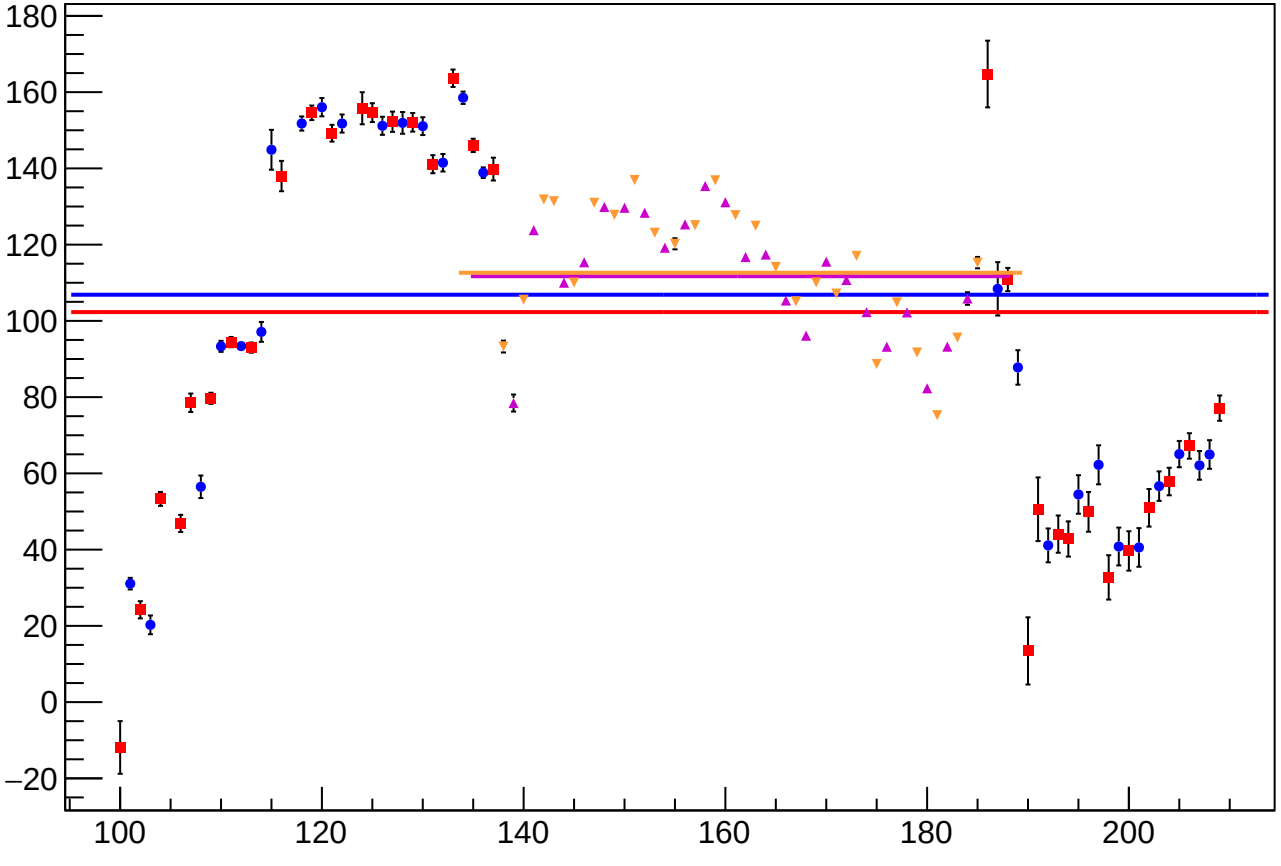
Right: -82.925+/-0.261 χ^2/NDF: 8668.6/58

In: -64.264+/-0.201 χ^2/NDF:23974.1/49

Out: -64.623+/-0.193 χ^2/NDF:29204.0/56

All: -64.451+/-0.139 χ^2/NDF: 53179.8/106

reg_asym_sam_48_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 106.863+/-0.459 χ^2/NDF: 9719.4/26

Left Out: 112.625+/-0.200 χ^2/NDF:6708.0/24

Right Out: 102.310+/-0.448 χ^2/NDF: 8987.9/31

Left In: 111.720+/-0.206 χ^2/NDF:4896.8/22

Left: 112.186+/-0.143 χ^2/NDF: 11614.7/47

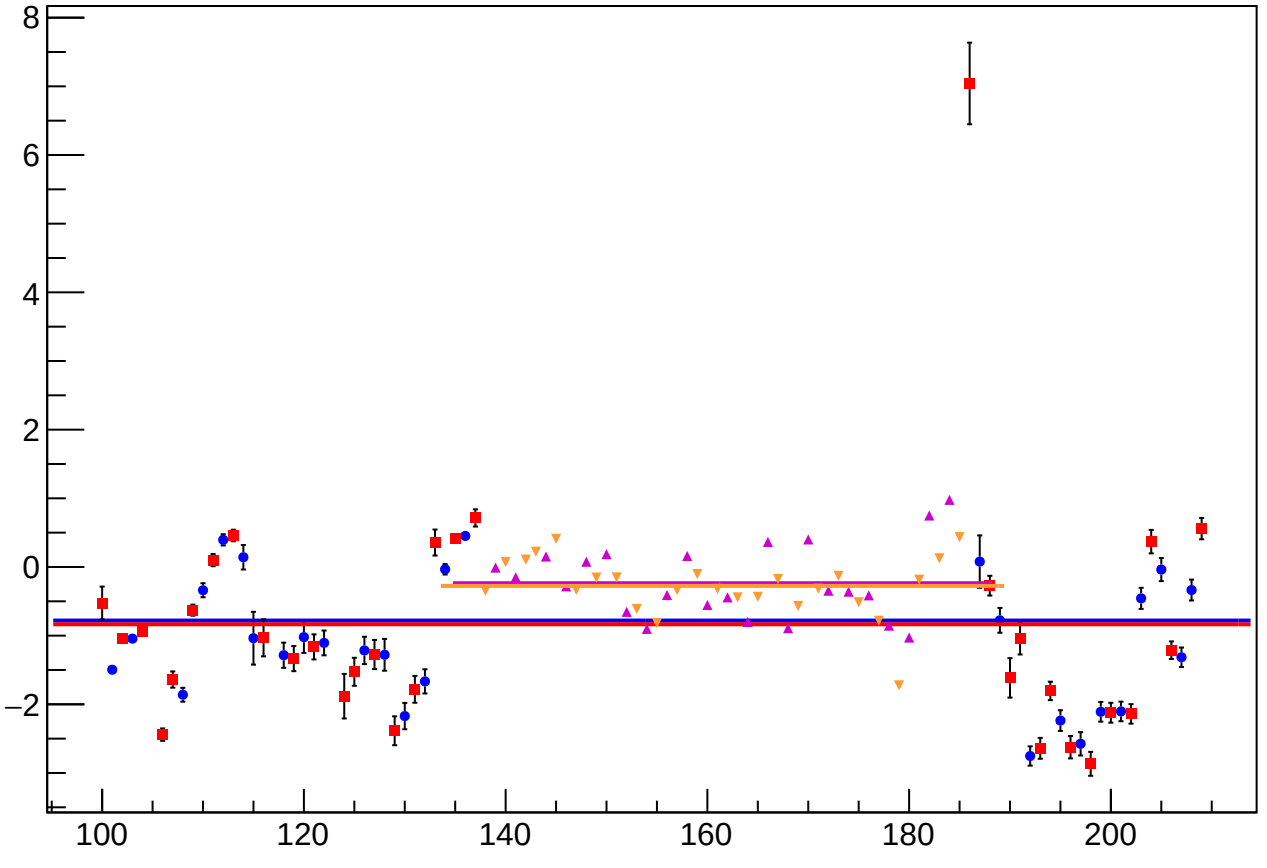
Right: 104.531+/-0.320 χ^2/NDF: 18757.8/58

In: 110.905+/-0.188 χ^2/NDF:14709.5/49

Out: 110.909+/-0.183 χ^2/NDF:16138.6/56

All: 110.907+/-0.131 χ^2/NDF: 30848.1/106

reg_asym_sam_48_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.780+/-0.023 χ^2/NDF: 1789.7/26

Left Out: -0.276+/-0.009 χ^2/NDF:2122.4/24

Right Out: -0.835+/-0.022 χ^2/NDF: 2316.7/31

Left In: -0.236+/-0.009 χ^2/NDF:2961.3/22

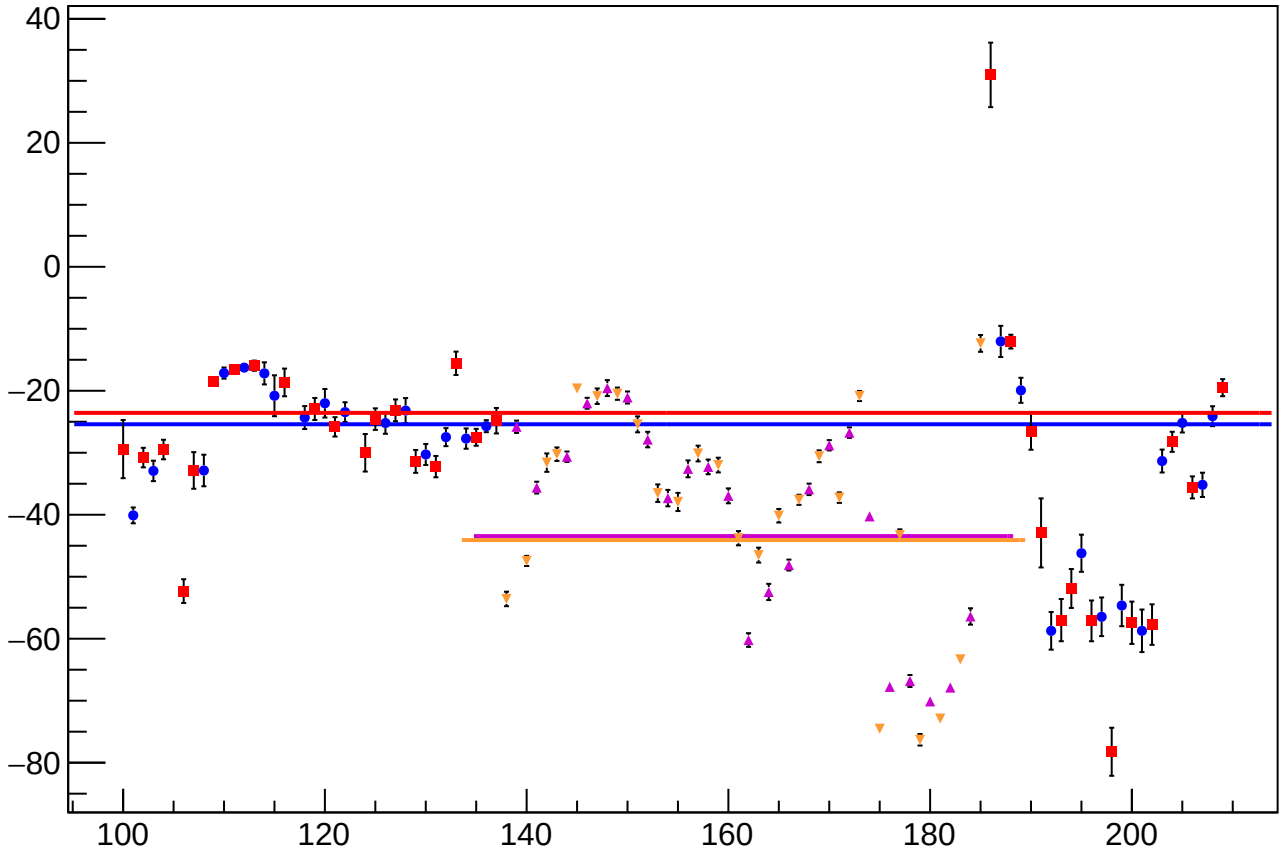
Left: -0.257+/-0.006 χ^2/NDF: 5093.1/47

Right: -0.808+/-0.016 χ^2/NDF: 4109.4/58

In: -0.313+/-0.009 χ^2/NDF:5243.6/49

Out: -0.355+/-0.008 χ^2/NDF:4990.7/56

All: -0.335+/-0.006 χ^2/NDF: 10247.0/106



Right In: -25.404+/-0.309 χ^2/NDF: 943.7/26

Left Out: -44.087+/-0.193 χ^2/NDF:10340.4/24

Right Out: -23.566+/-0.284 χ^2/NDF: 1547.2/31

Left In: -43.444+/-0.199 χ^2/NDF:7820.5/22

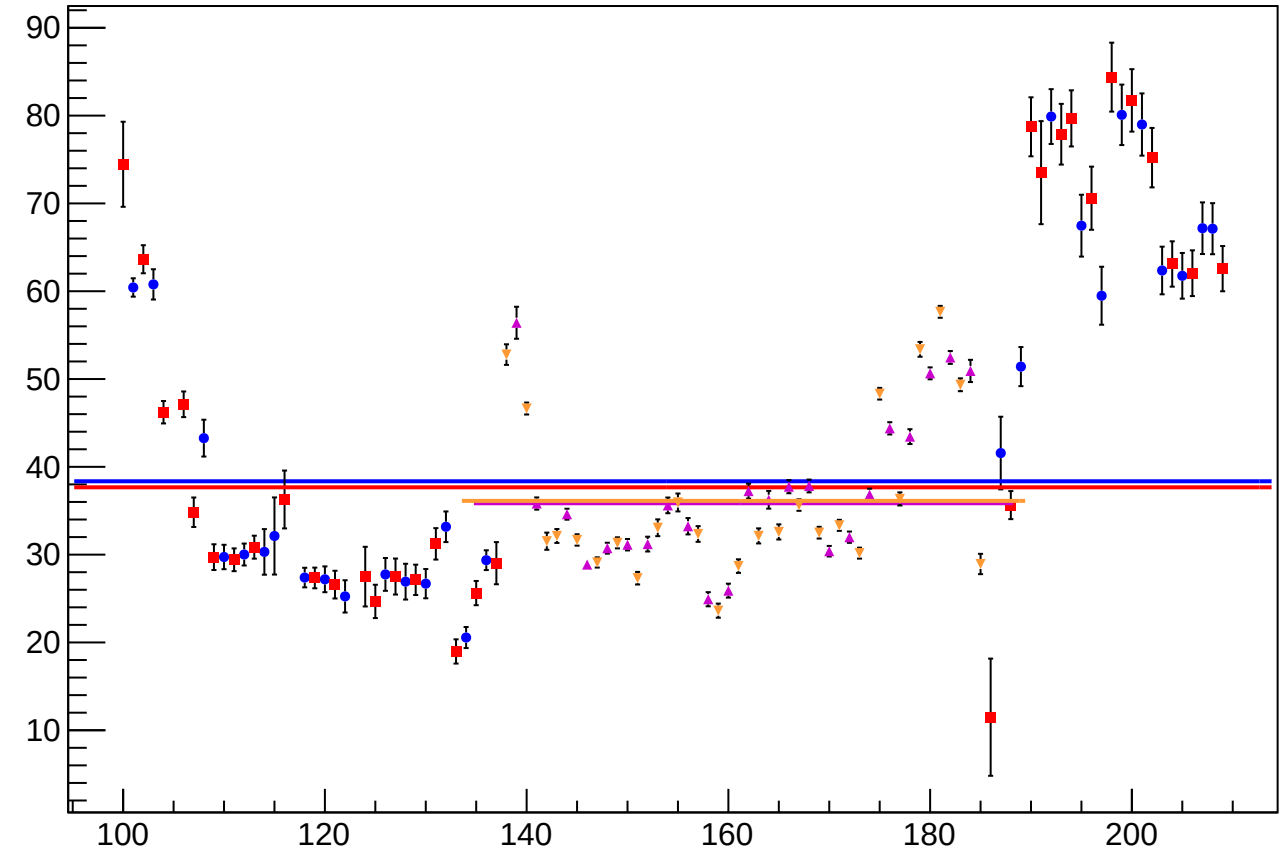
Left: -43.775+/-0.138 χ^2/NDF: 18166.3/47

Right: -24.409+/-0.209 χ^2/NDF: 2510.0/58

In: -38.156+/-0.167 χ^2/NDF:11180.1/49

Out: -37.600+/-0.160 χ^2/NDF:15460.4/56

All: -37.865+/-0.115 χ^2/NDF: 26646.3/106



Right In: 38.356+/-0.347 χ^2/NDF: 2277.6/26

Left Out: 36.123+/-0.150 χ^2/NDF:3558.5/24

Right Out: 37.668+/-0.340 χ^2/NDF: 2329.4/31

Left In: 35.852+/-0.155 χ^2/NDF:2293.5/22

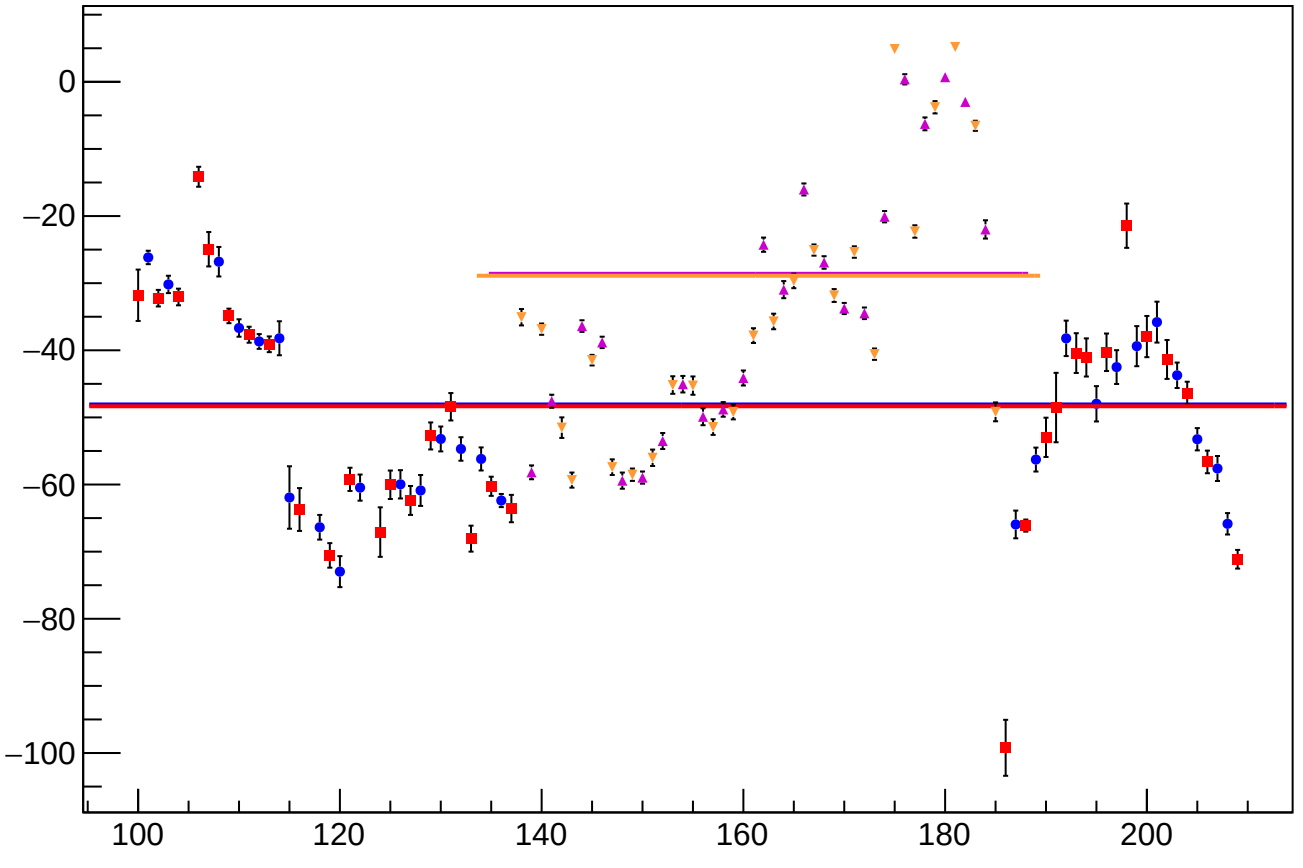
Left: 35.992+/-0.108 χ^2/NDF: 5853.6/47

Right: 38.005+/-0.243 χ^2/NDF: 4609.1/58

In: 36.269+/-0.141 χ^2/NDF:4614.6/49

Out: 36.375+/-0.137 χ^2/NDF:5905.3/56

All: 36.324+/-0.098 χ^2/NDF: 10520.2/106



Right In: -48.072+/-0.331 χ^2/NDF: 1818.6/26

Left Out: -28.891+/-0.193 χ^2/NDF:11798.4/24

Right Out: -48.337+/-0.311 χ^2/NDF: 2752.4/31

Left In: -28.605+/-0.198 χ^2/NDF:10014.7/22

Left: -28.751+/-0.138 χ^2/NDF: 21814.2/47

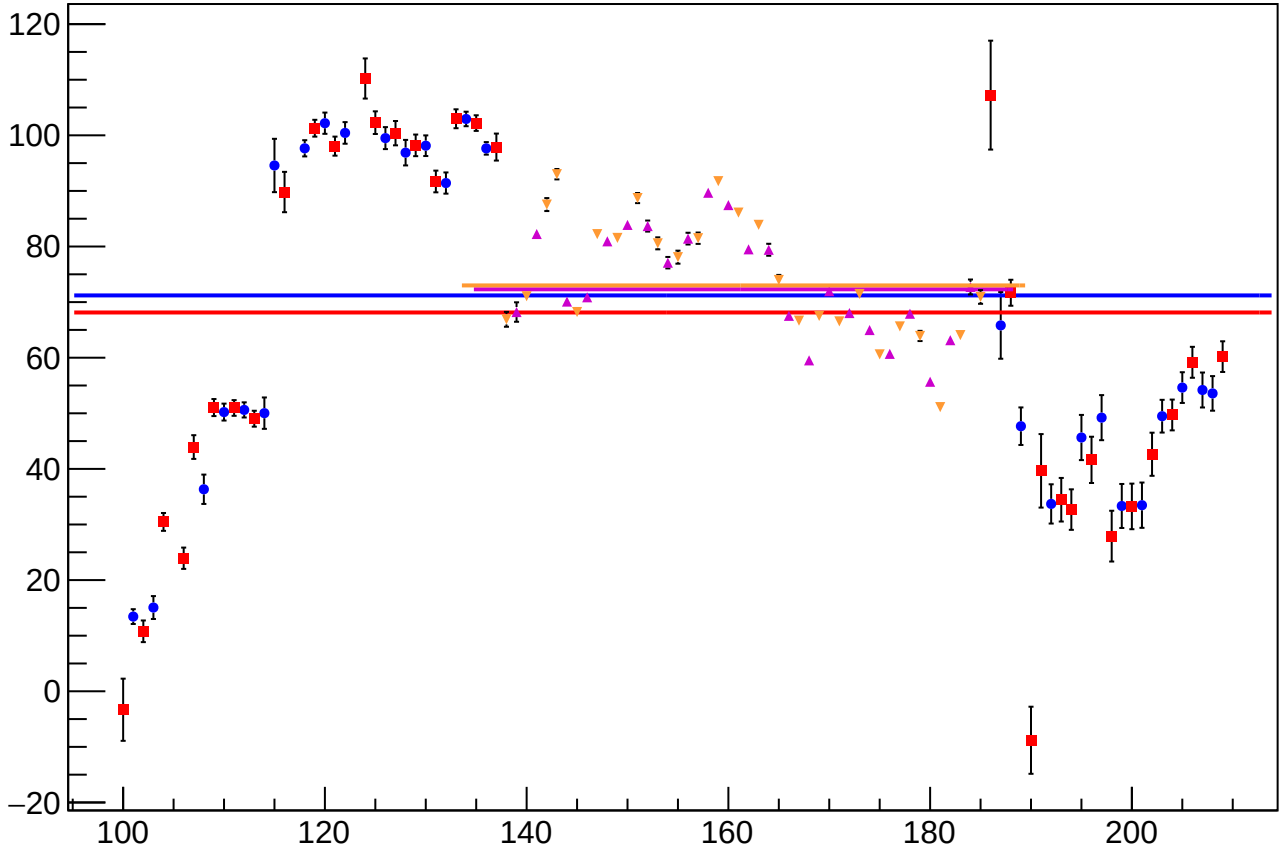
Right: -48.213+/-0.227 χ^2/NDF: 4571.3/58

In: -33.722+/-0.170 χ^2/NDF:14380.2/49

Out: -34.286+/-0.164 χ^2/NDF:17374.1/56

All: -34.014+/-0.118 χ^2/NDF: 31760.1/106

reg_asym_sam_48_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 71.204+/-0.396 χ^2/NDF: 6469.3/26

Left Out: 73.002+/-0.168 χ^2/NDF:4052.4/24

Right Out: 68.134+/-0.391 χ^2/NDF: 6354.3/31

Left In: 72.302+/-0.173 χ^2/NDF:2912.6/22

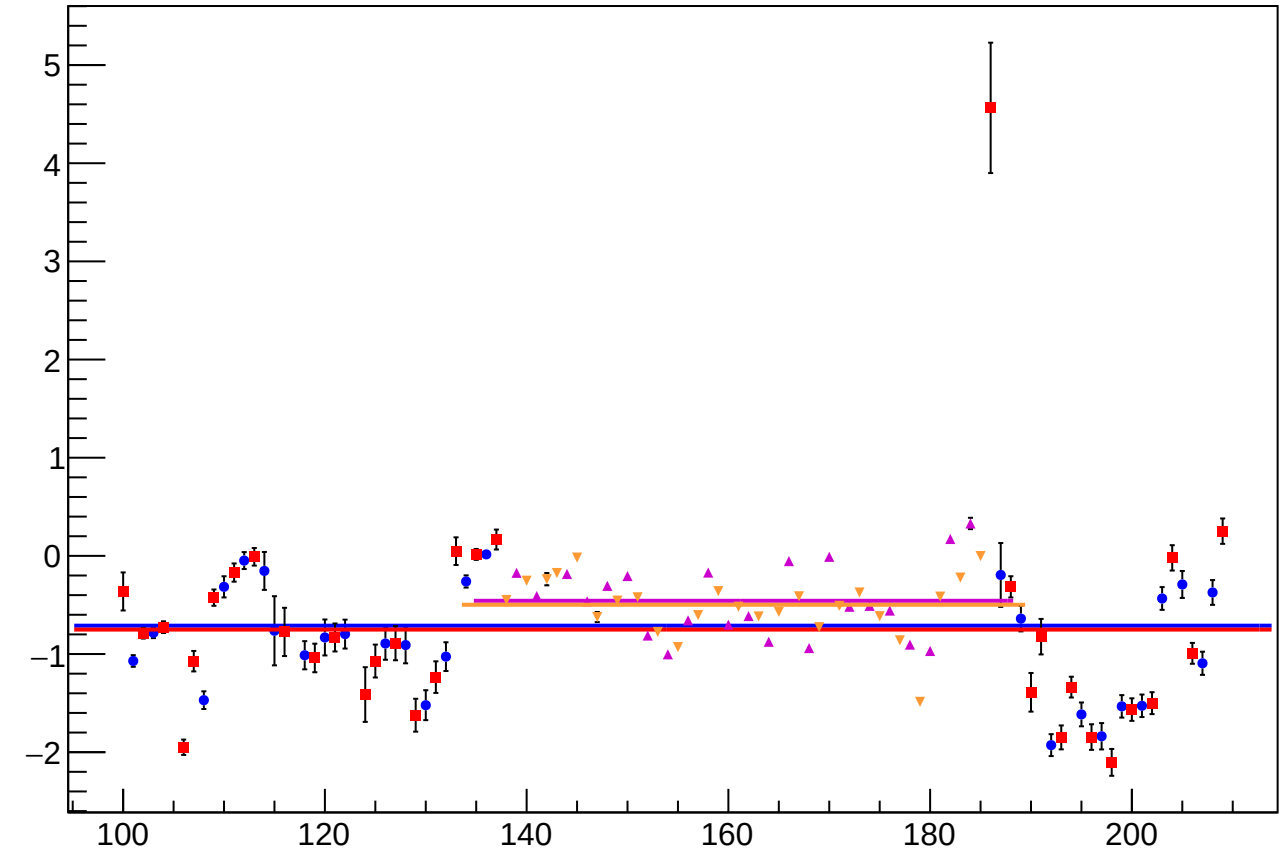
Left: 72.662+/-0.121 χ^2/NDF: 6973.3/47

Right: 69.650+/-0.278 χ^2/NDF: 12853.9/58

In: 72.126+/-0.159 χ^2/NDF:9388.3/49

Out: 72.241+/-0.155 χ^2/NDF:10537.2/56

All: 72.185+/-0.111 χ^2/NDF: 19925.7/106



Right In: -0.711+/-0.019 χ^2/NDF: 919.7/26

Left Out: -0.498+/-0.008 χ^2/NDF:1482.9/24

Right Out: -0.751+/-0.019 χ^2/NDF: 1290.1/31

Left In: -0.458+/-0.008 χ^2/NDF:2103.1/22

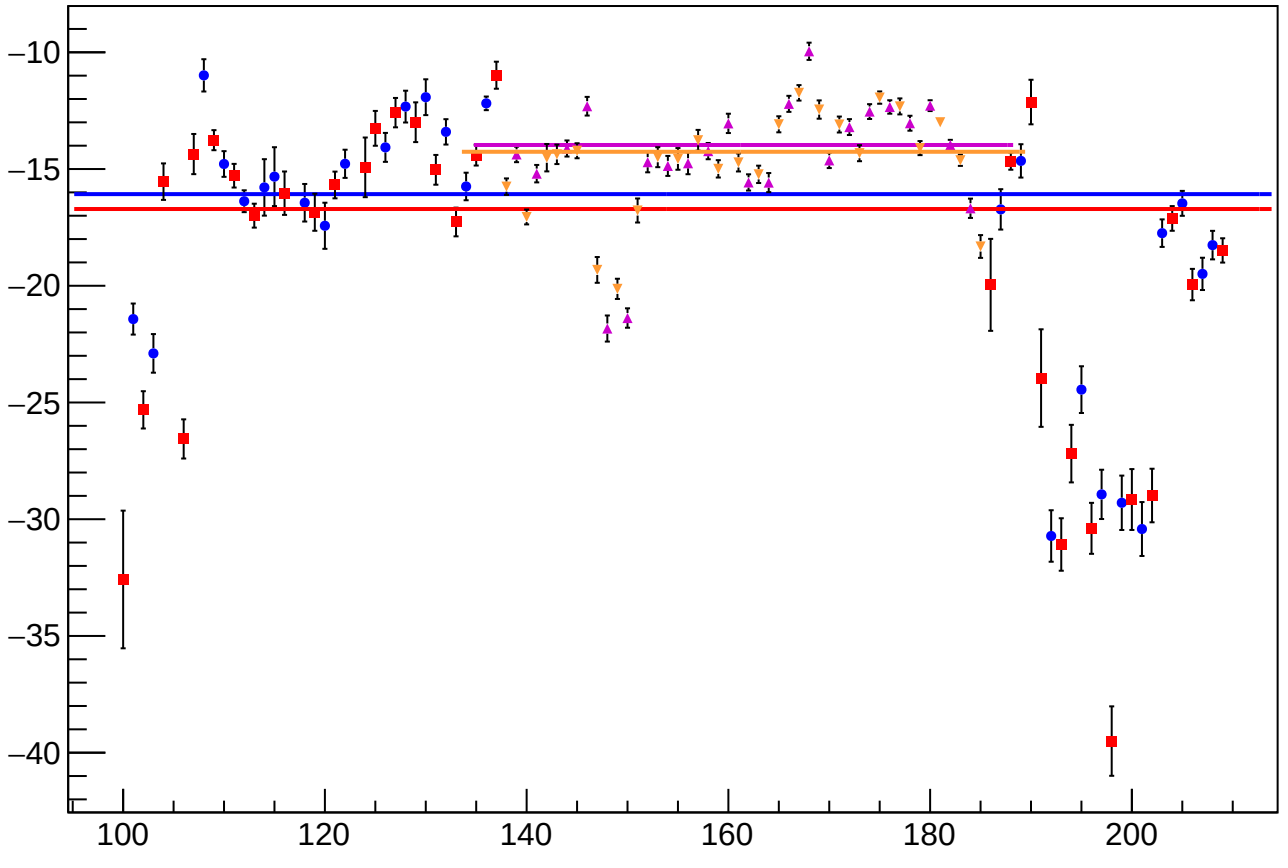
Left: -0.478+/-0.005 χ^2/NDF: 3600.2/47

Right: -0.731+/-0.013 χ^2/NDF: 2212.0/58

In: -0.492+/-0.007 χ^2/NDF:3173.2/49

Out: -0.533+/-0.007 χ^2/NDF:2927.9/56

All: -0.513+/-0.005 χ^2/NDF: 6117.5/106



Right In: -16.075+/-0.126 χ^2/NDF: 1200.2/26

Left Out: -14.261+/-0.070 χ^2/NDF:724.0/24

Right Out: -16.712+/-0.122 χ^2/NDF: 1507.0/31

Left In: -13.970+/-0.072 χ^2/NDF:907.7/22

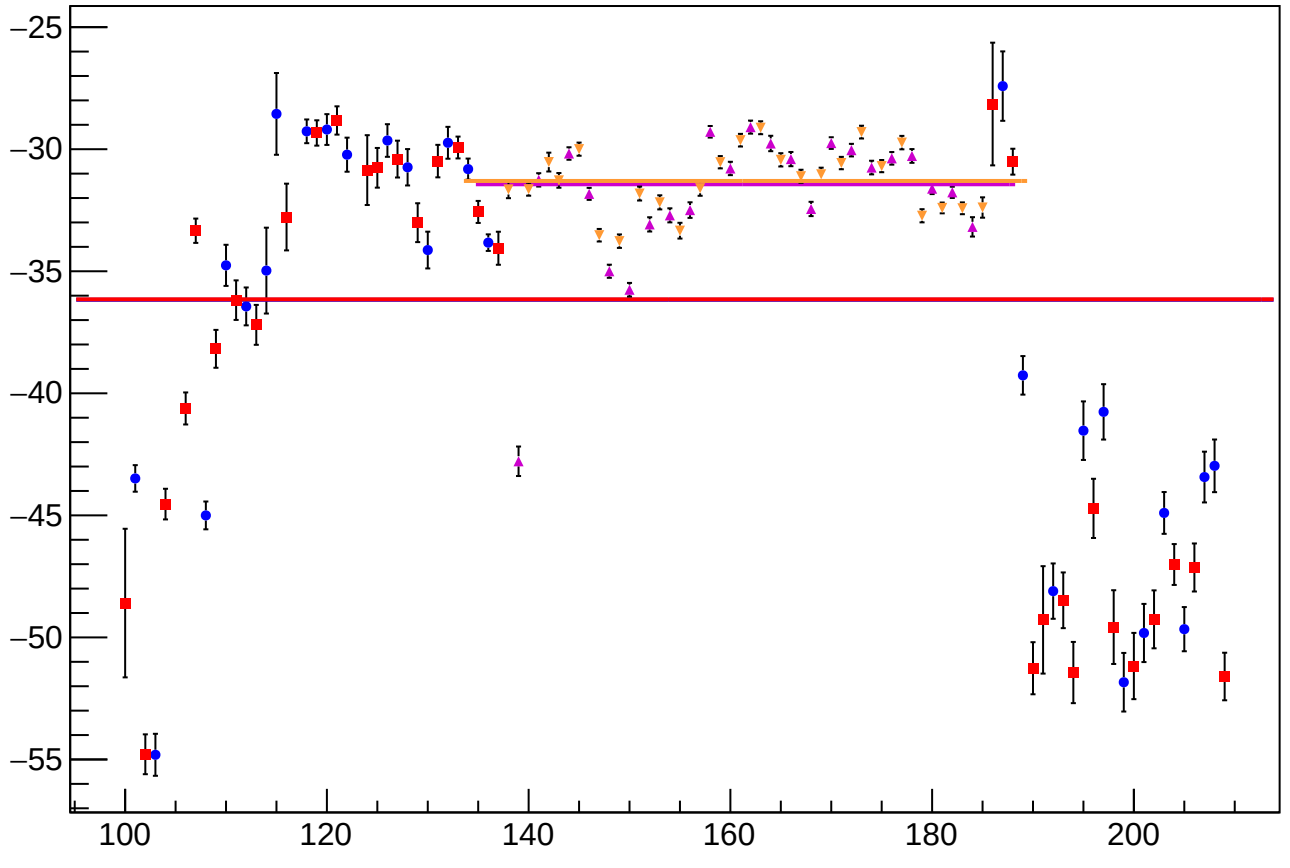
Left: -14.120+/-0.050 χ^2/NDF: 1640.2/47

Right: -16.402+/-0.088 χ^2/NDF: 2720.4/58

In: -14.490+/-0.062 χ^2/NDF:2319.5/49

Out: -14.863+/-0.061 χ^2/NDF:2534.8/56

All: -14.682+/-0.043 χ^2/NDF: 4872.8/106



Right In: -36.168+/-0.138 χ^2/NDF: 2682.8/26

Left Out: -31.301+/-0.055 χ^2/NDF:553.1/24

Right Out: -36.150+/-0.136 χ^2/NDF: 3153.7/31

Left In: -31.436+/-0.057 χ^2/NDF:1214.8/22

Left: -31.366+/-0.040 χ^2/NDF: 1770.8/47

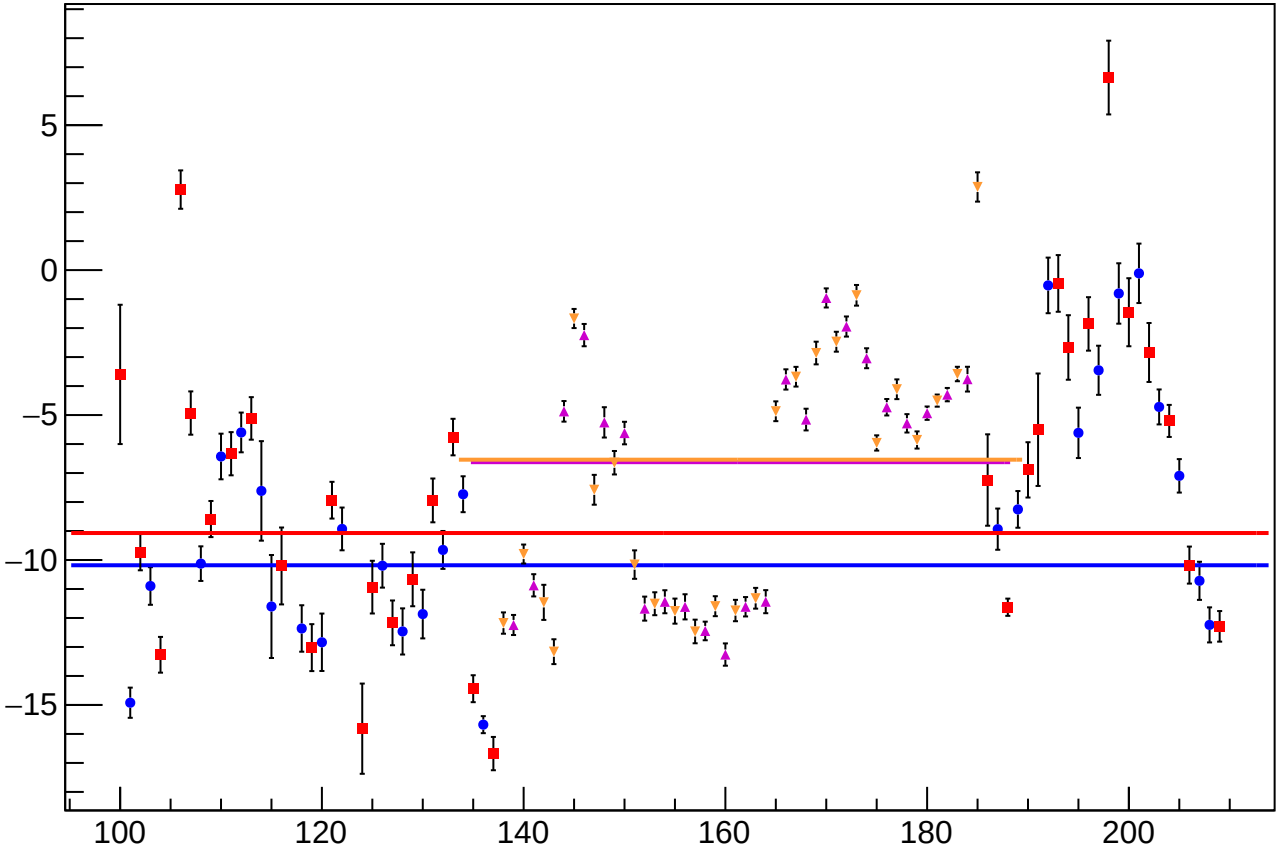
Right: -36.159+/-0.097 χ^2/NDF: 5836.5/58

In: -32.134+/-0.053 χ^2/NDF:4903.5/49

Out: -31.988+/-0.051 χ^2/NDF:4800.4/56

All: -32.059+/-0.037 χ^2/NDF: 9707.8/106

reg_asym_sam_13_57_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -10.181+/-0.129 χ^2/NDF: 1056.1/26

Left Out: -6.540+/-0.070 χ^2/NDF:3242.5/24

Right Out: -9.069+/-0.125 χ^2/NDF: 1432.6/31

Left In: -6.625+/-0.071 χ^2/NDF:2908.0/22

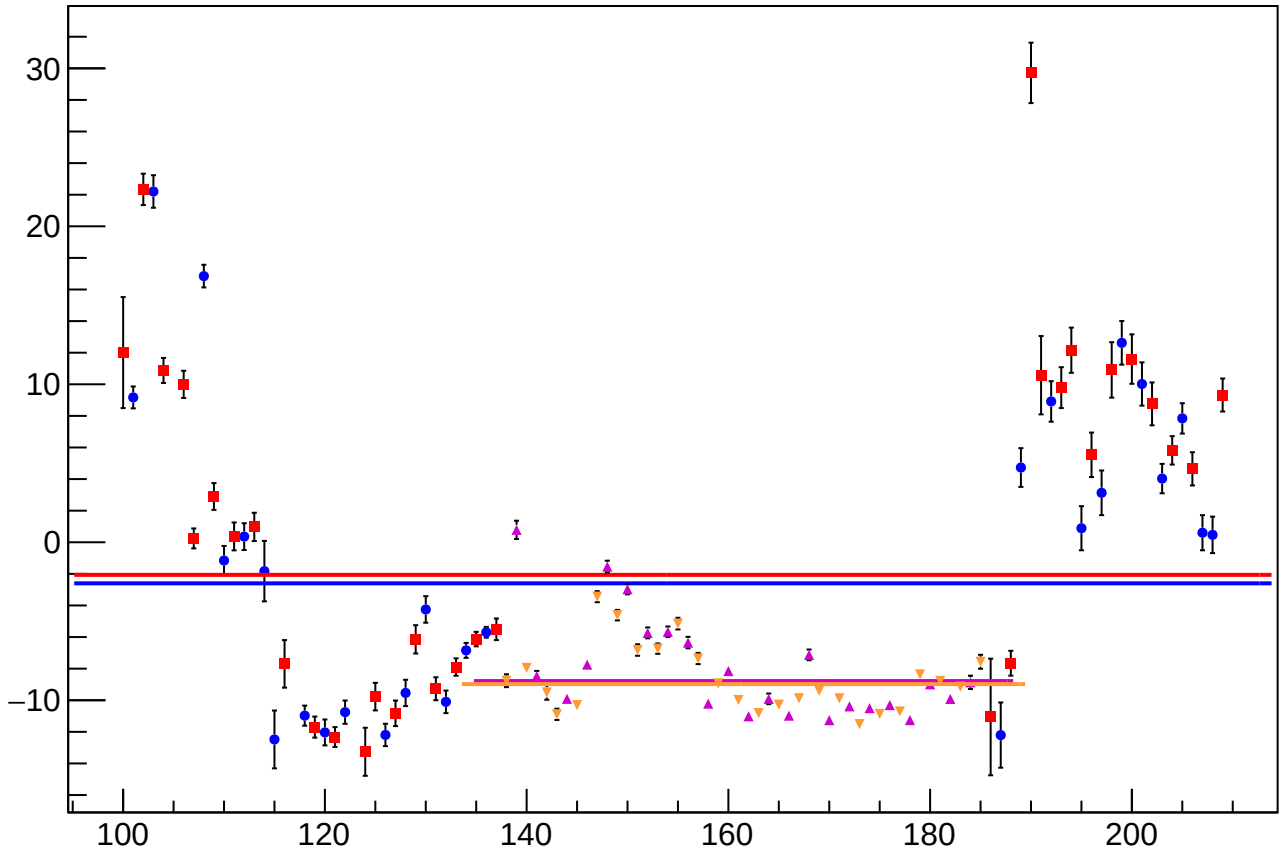
Left: -6.581+/-0.050 χ^2/NDF: 6151.3/47

Right: -9.605+/-0.090 χ^2/NDF: 2527.1/58

In: -7.458+/-0.062 χ^2/NDF:4544.7/49

Out: -7.140+/-0.061 χ^2/NDF:4989.3/56

All: -7.295+/-0.044 χ^2/NDF: 9547.3/106



Right In: -2.599+/-0.156 χ^2/NDF: 3159.2/26

Left Out: -8.977+/-0.061 χ^2/NDF:972.0/24

Right Out: -2.062+/-0.157 χ^2/NDF: 3226.0/31

Left In: -8.785+/-0.063 χ^2/NDF:1685.0/22

Left: -8.884+/-0.044 χ^2/NDF: 2661.8/47

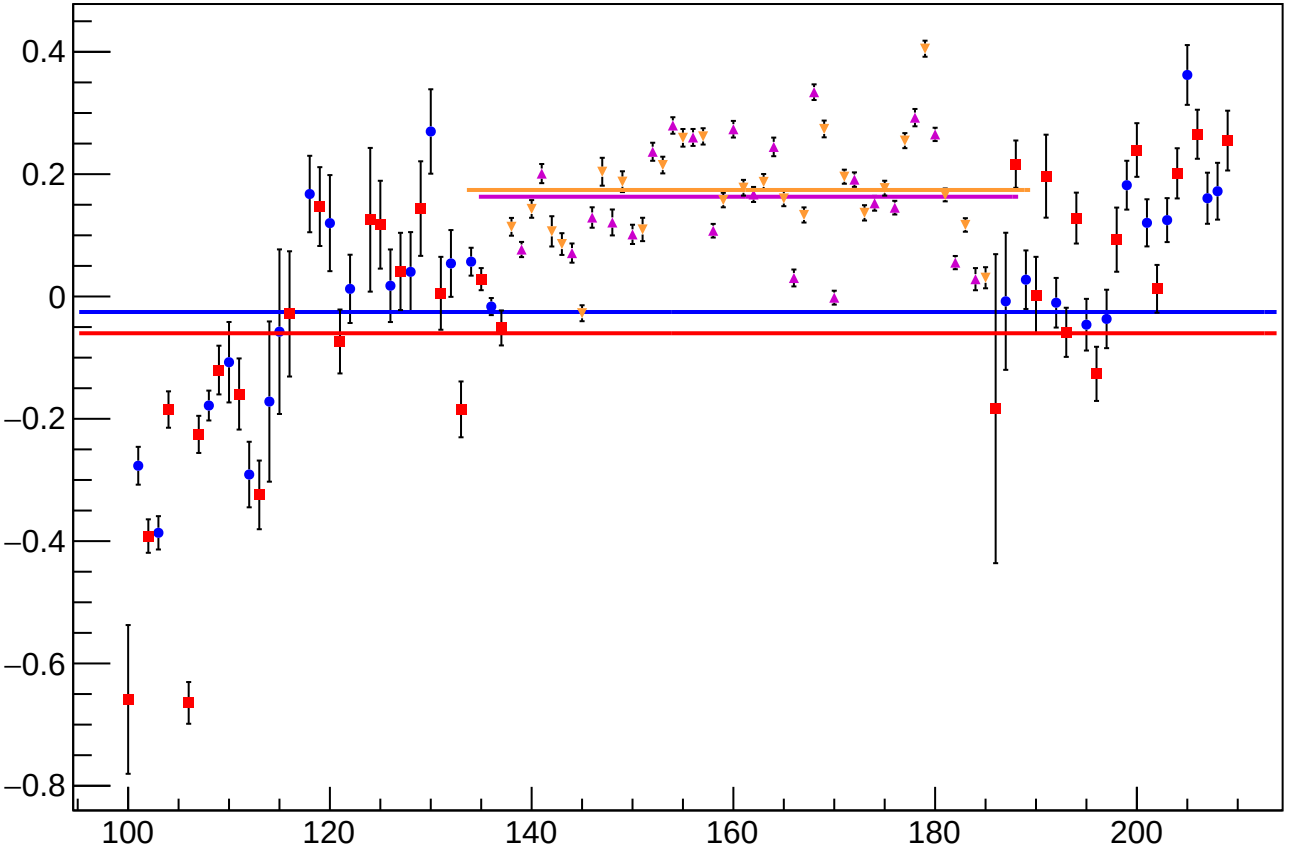
Right: -2.334+/-0.111 χ^2/NDF: 6391.0/58

In: -7.906+/-0.059 χ^2/NDF:6196.7/49

Out: -8.063+/-0.057 χ^2/NDF:5871.2/56

All: -7.987+/-0.041 χ^2/NDF: 12071.6/106

reg_asym_sam_13_57_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.025+/-0.007 χ^2/NDF: 518.2/26

Left Out: 0.174+/-0.003 χ^2/NDF:922.9/24

Right Out: -0.060+/-0.007 χ^2/NDF: 916.7/31

Left In: 0.163+/-0.003 χ^2/NDF:1195.1/22

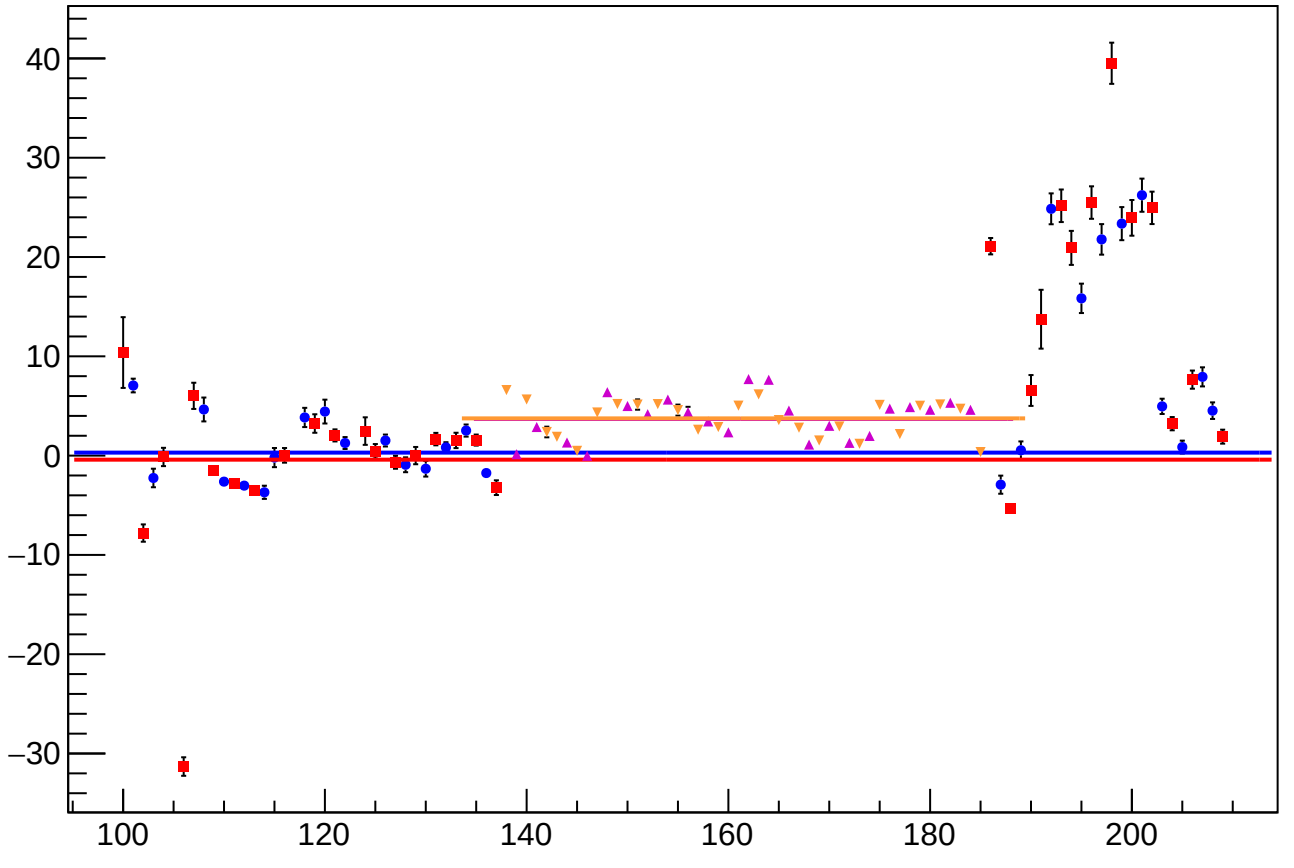
Left: 0.169+/-0.002 χ^2/NDF: 2126.1/47

Right: -0.042+/-0.005 χ^2/NDF: 1446.2/58

In: 0.139+/-0.003 χ^2/NDF:2309.4/49

Out: 0.146+/-0.003 χ^2/NDF:2719.0/56

All: 0.143+/-0.002 χ^2/NDF: 5032.7/106



Right In: 0.302+/-0.124 χ^2/NDF: 1582.3/26

Left Out: 3.750+/-0.062 χ^2/NDF:809.8/24

Right Out: -0.407+/-0.116 χ^2/NDF: 3852.2/31

Left In: 3.688+/-0.064 χ^2/NDF:953.3/22

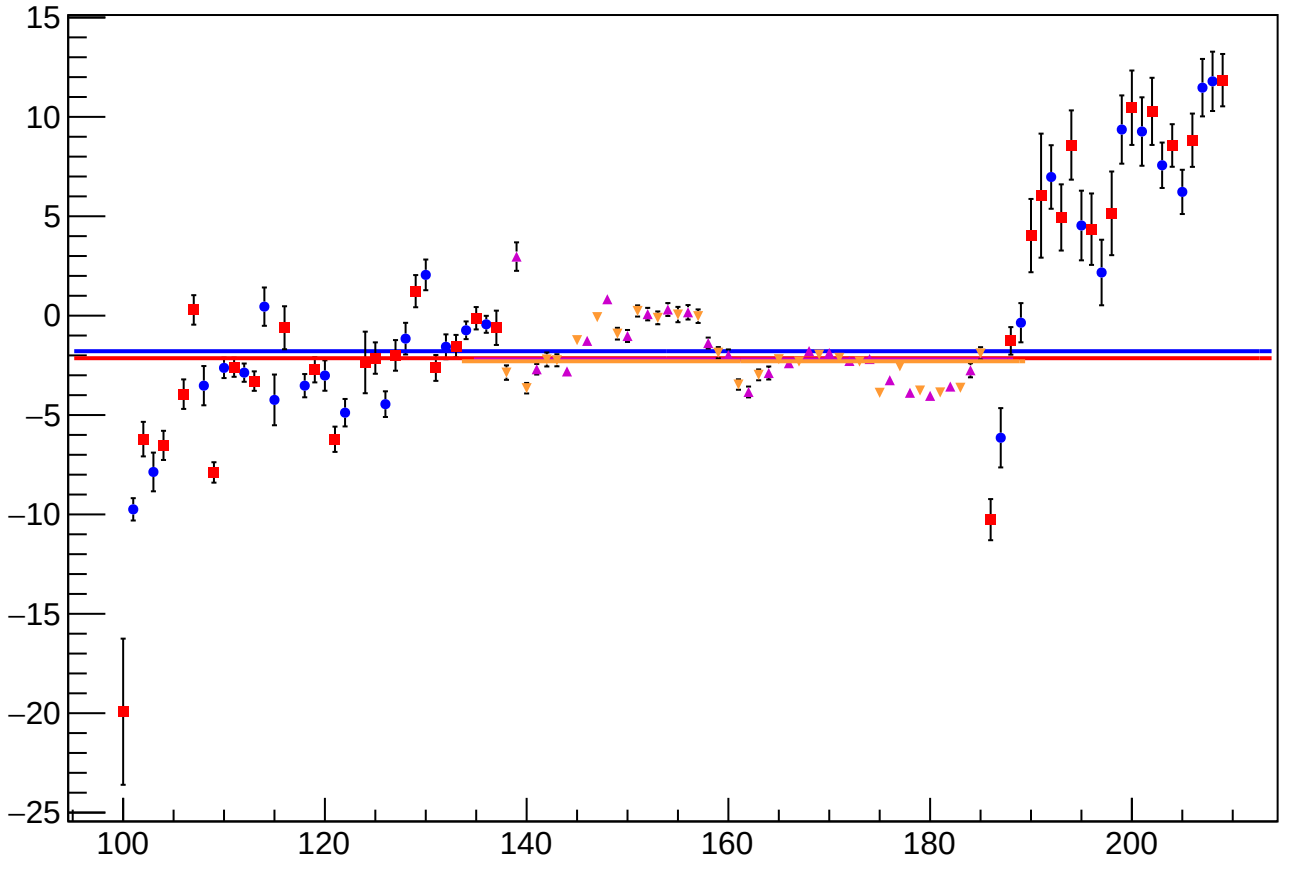
Left: 3.720+/-0.044 χ^2/NDF: 1763.6/47

Right: -0.077+/-0.085 χ^2/NDF: 5451.9/58

In: 2.981+/-0.057 χ^2/NDF:3121.7/49

Out: 2.827+/-0.055 χ^2/NDF:5661.1/56

All: 2.901+/-0.039 χ^2/NDF: 8786.7/106



Right In: -1.788+/-0.146 χ^2/NDF: 777.8/26

Left Out: -2.294+/-0.050 χ^2/NDF:631.5/24

Right Out: -2.141+/-0.145 χ^2/NDF: 849.5/31

Left In: -2.204+/-0.051 χ^2/NDF:724.7/22

Left: -2.250+/-0.035 χ^2/NDF: 1357.8/47

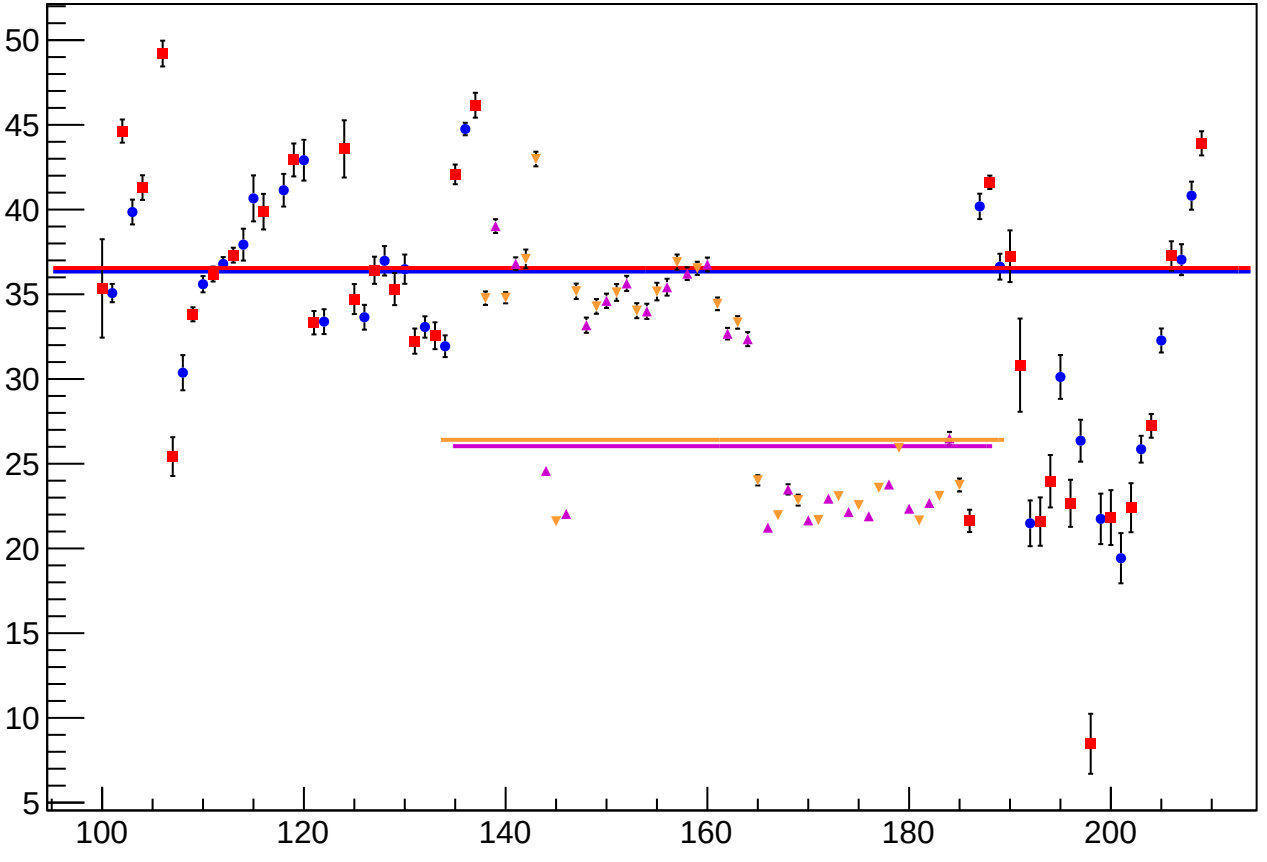
Right: -1.966+/-0.103 χ^2/NDF: 1630.2/58

In: -2.160+/-0.048 χ^2/NDF:1509.6/49

Out: -2.278+/-0.047 χ^2/NDF:1482.0/56

All: -2.220+/-0.034 χ^2/NDF: 2994.8/106

reg_asym_sam_15_37_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 36.343+/-0.140 χ^2/NDF: 1454.7/26

Left Out: 26.411+/-0.062 χ^2/NDF:9222.2/24

Right Out: 36.550+/-0.133 χ^2/NDF: 2689.1/31

Left In: 26.036+/-0.064 χ^2/NDF:7842.9/22

Left: 26.228+/-0.045 χ^2/NDF: 17082.8/47

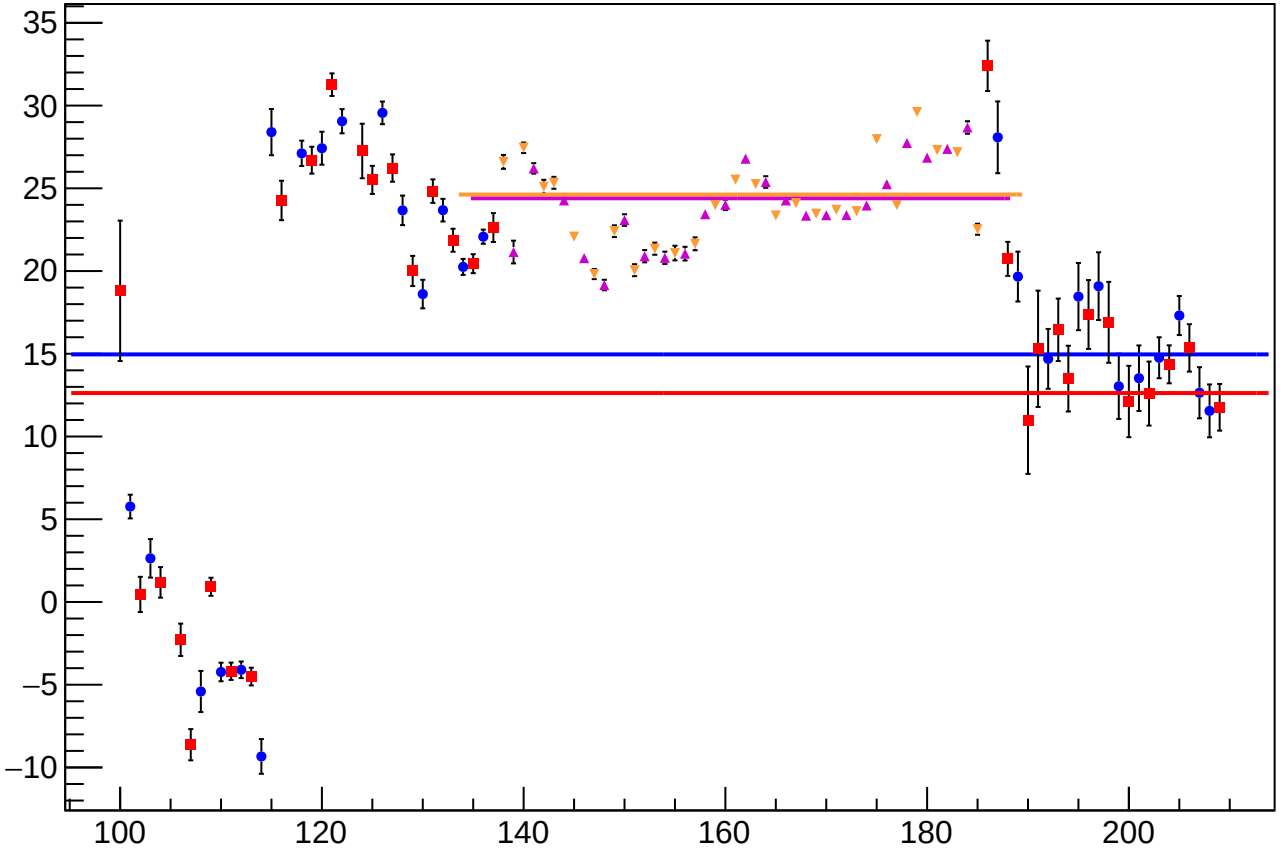
Right: 36.452+/-0.096 χ^2/NDF: 4145.0/58

In: 27.816+/-0.058 χ^2/NDF:13794.0/49

Out: 28.234+/-0.056 χ^2/NDF:16677.2/56

All: 28.031+/-0.040 χ^2/NDF: 30497.8/106

reg_asym_sam_15_37_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 14.963+/-0.164 χ^2/NDF: 5752.7/26

Left Out: 24.624+/-0.055 χ^2/NDF:1950.7/24

Right Out: 12.627+/-0.165 χ^2/NDF: 6371.0/31

Left In: 24.397+/-0.056 χ^2/NDF:1715.6/22

Left: 24.513+/-0.039 χ^2/NDF: 3674.6/47

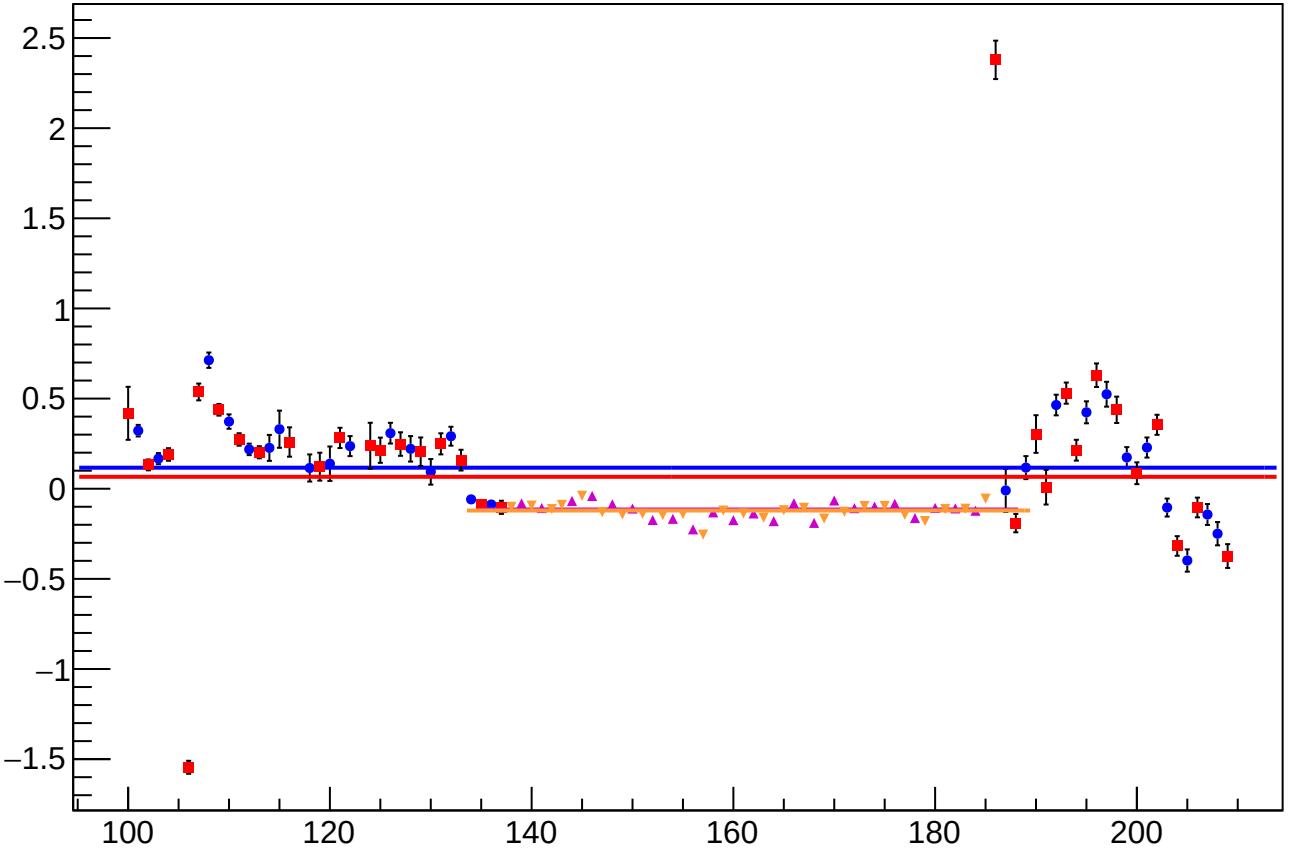
Right: 13.803+/-0.116 χ^2/NDF: 12224.6/58

In: 23.397+/-0.053 χ^2/NDF:10429.1/49

Out: 23.419+/-0.052 χ^2/NDF:13073.3/56

All: 23.408+/-0.037 χ^2/NDF: 23502.5/106

reg_asym_sam_15_37_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.117+/-0.008 χ^2/NDF: 765.1/26

Left Out: -0.121+/-0.002 χ^2/NDF:262.9/24

Right Out: 0.066+/-0.009 χ^2/NDF: 3226.5/31

Left In: -0.115+/-0.003 χ^2/NDF:290.7/22

Left: -0.118+/-0.002 χ^2/NDF: 556.0/47

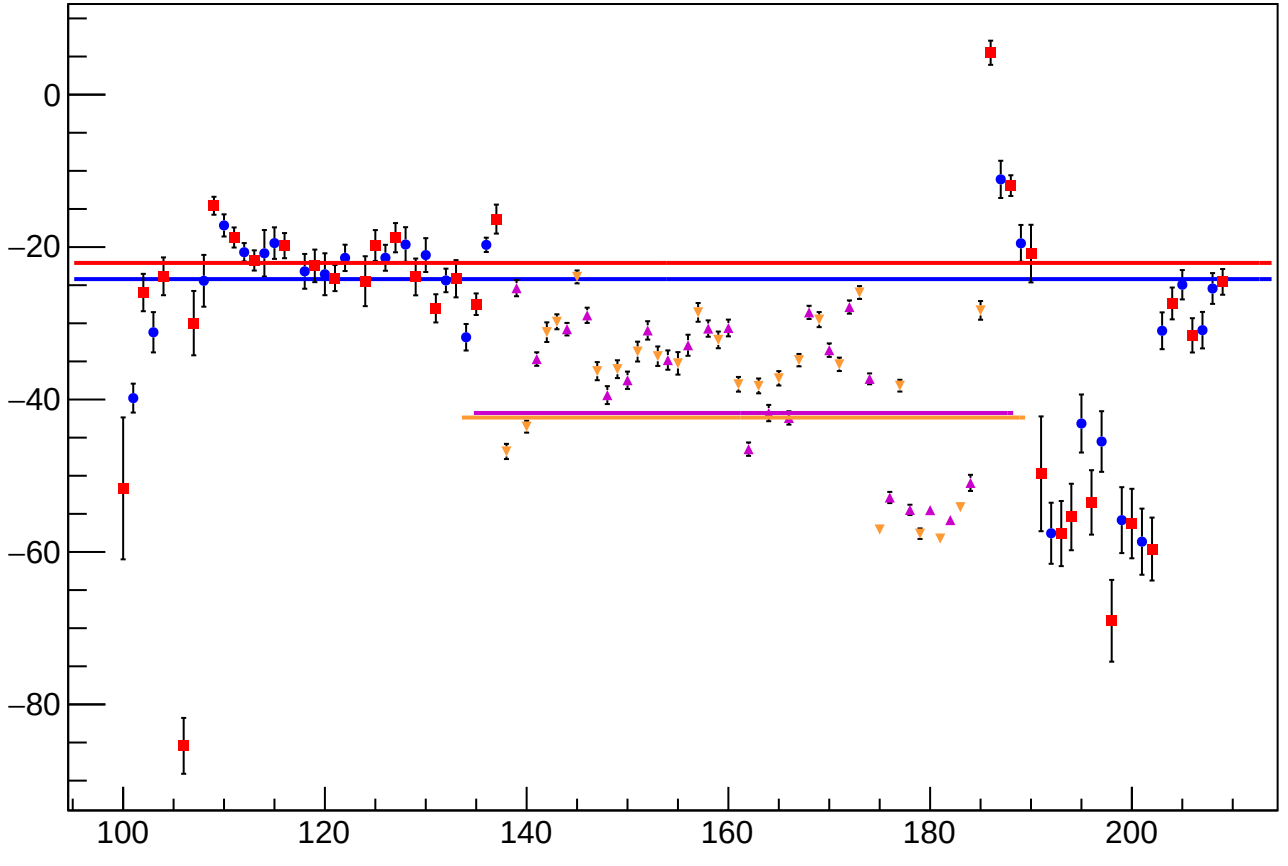
Right: 0.092+/-0.006 χ^2/NDF: 4009.3/58

In: -0.096+/-0.002 χ^2/NDF:1757.9/49

Out: -0.107+/-0.002 χ^2/NDF:3929.6/56

All: -0.101+/-0.002 χ^2/NDF: 5696.9/106

reg_asym_sam_24_68_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -24.201+/-0.384 χ^2/NDF: 454.8/26

Left Out: -42.366+/-0.175 χ^2/NDF:4477.3/24

Right Out: -22.078+/-0.368 χ^2/NDF: 1202.2/31

Left In: -41.764+/-0.182 χ^2/NDF:3459.2/22

Left: -42.076+/-0.126 χ^2/NDF: 7942.1/47

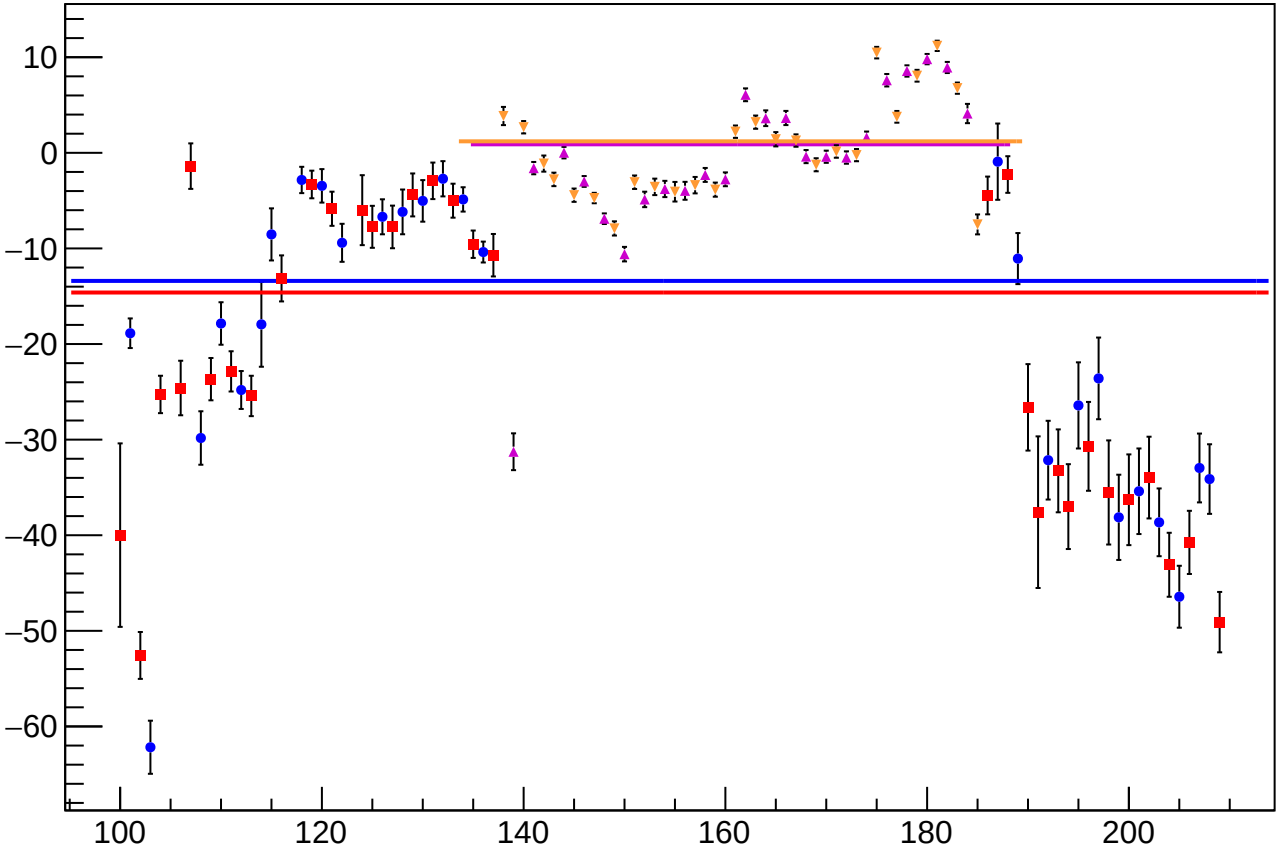
Right: -23.095+/-0.265 χ^2/NDF: 1673.0/58

In: -38.545+/-0.164 χ^2/NDF:5626.2/49

Out: -38.614+/-0.158 χ^2/NDF:8158.9/56

All: -38.581+/-0.114 χ^2/NDF: 13785.2/106

reg_asym_sam_24_68_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -13.398+/-0.420 χ^2/NDF: 932.9/26

Left Out: 1.203+/-0.138 χ^2/NDF:1463.6/24

Right Out: -14.612+/-0.427 χ^2/NDF: 1040.7/31

Left In: 0.889+/-0.143 χ^2/NDF:1763.7/22

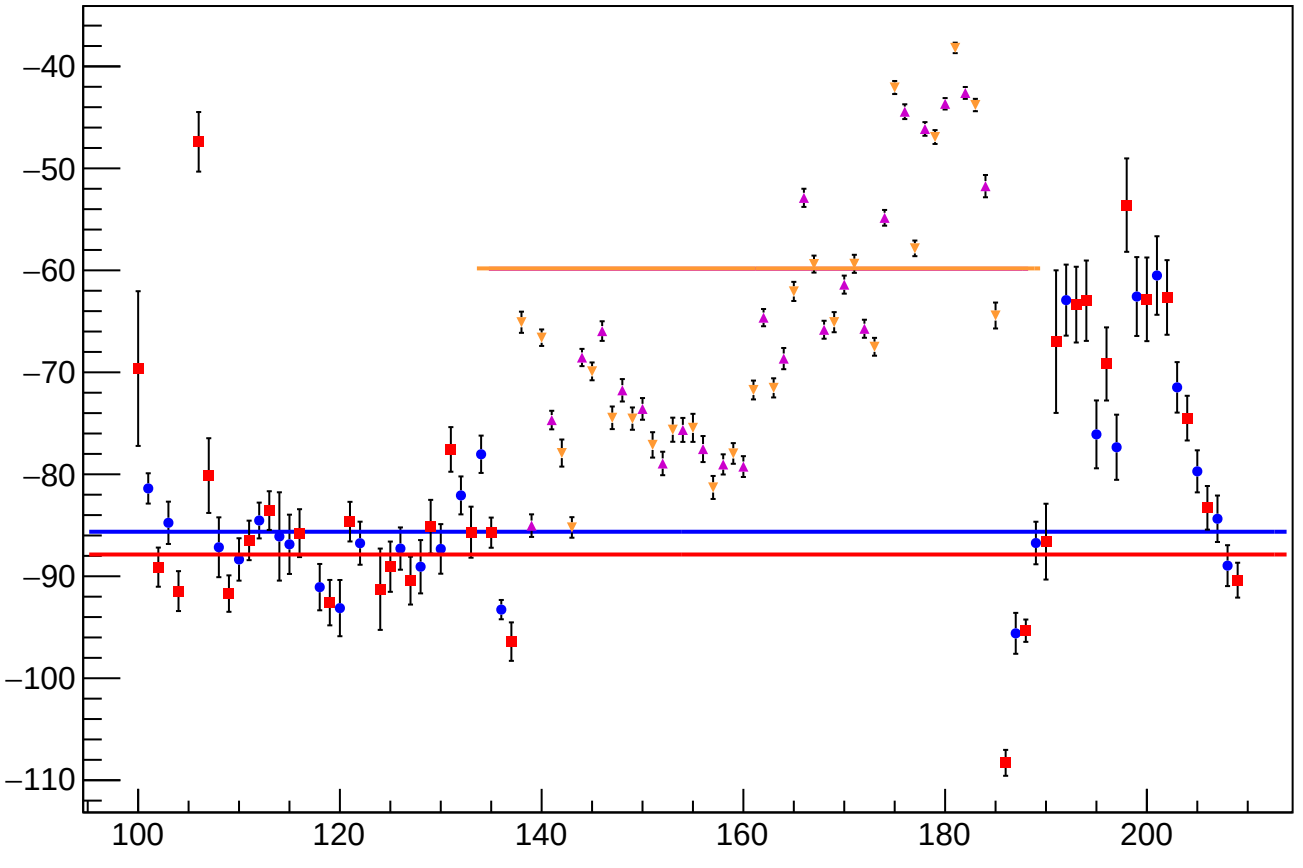
Left: 1.051+/-0.099 χ^2/NDF: 3229.8/47

Right: -13.995+/-0.300 χ^2/NDF: 1977.6/58

In: -0.592+/-0.135 χ^2/NDF:3732.1/49

Out: -0.294+/-0.131 χ^2/NDF:3744.8/56

All: -0.438+/-0.094 χ^2/NDF: 7479.4/106



Right In: -85.633+/-0.406 χ^2/NDF: 317.7/26

Left Out: -59.809+/-0.175 χ^2/NDF:6645.1/24

Right Out: -87.865+/-0.389 χ^2/NDF: 882.2/31

Left In: -59.846+/-0.181 χ^2/NDF:5534.1/22

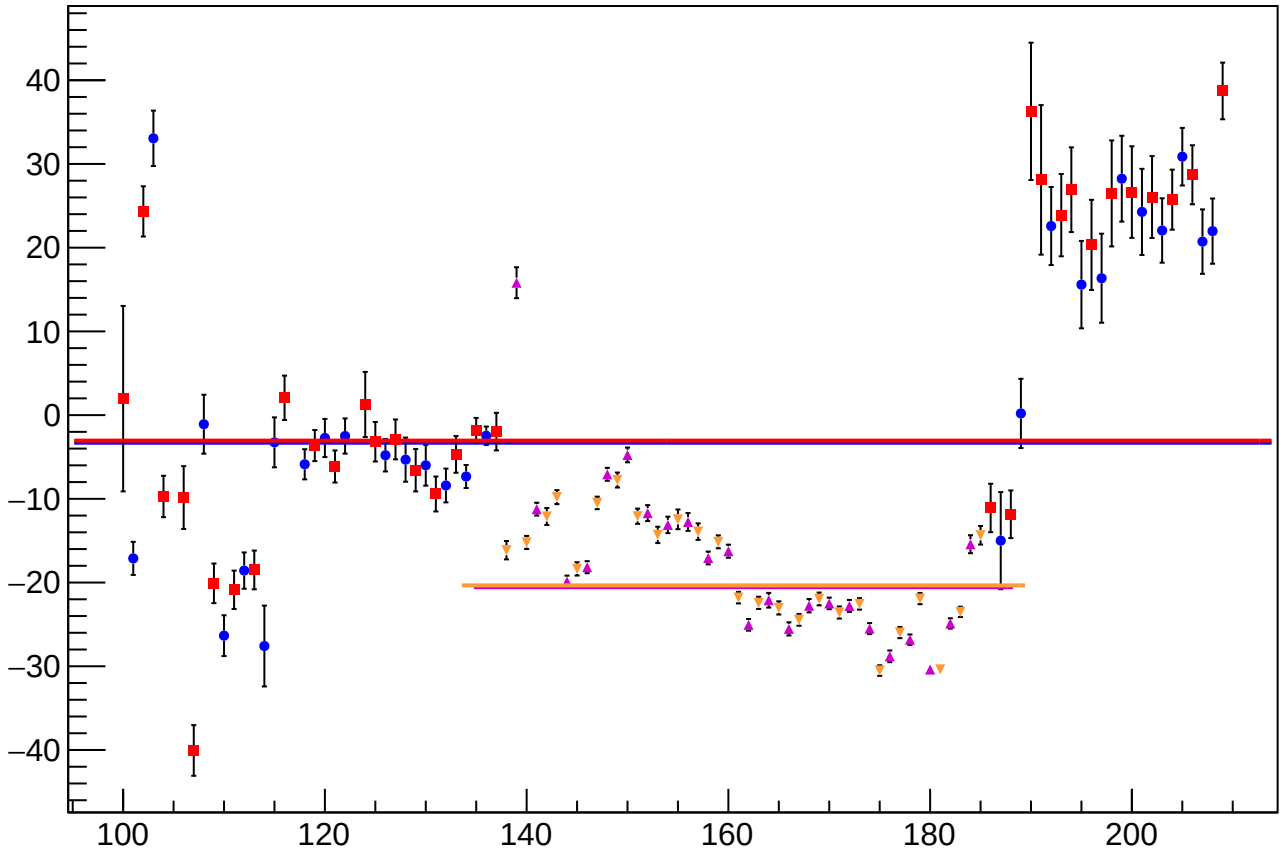
Left: -59.827+/-0.126 χ^2/NDF: 12179.2/47

Right: -86.799+/-0.281 χ^2/NDF: 1215.6/58

In: -64.116+/-0.165 χ^2/NDF:9210.2/49

Out: -64.551+/-0.160 χ^2/NDF:11856.1/56

All: -64.341+/-0.115 χ^2/NDF: 21069.9/106



Right In: -3.294+/-0.474 χ^2/NDF: 706.7/26

Left Out: -20.339+/-0.155 χ^2/NDF:1701.1/24

Right Out: -3.047+/-0.492 χ^2/NDF: 941.6/31

Left In: -20.555+/-0.160 χ^2/NDF:2193.8/22

Left: -20.444+/-0.111 χ^2/NDF: 3895.8/47

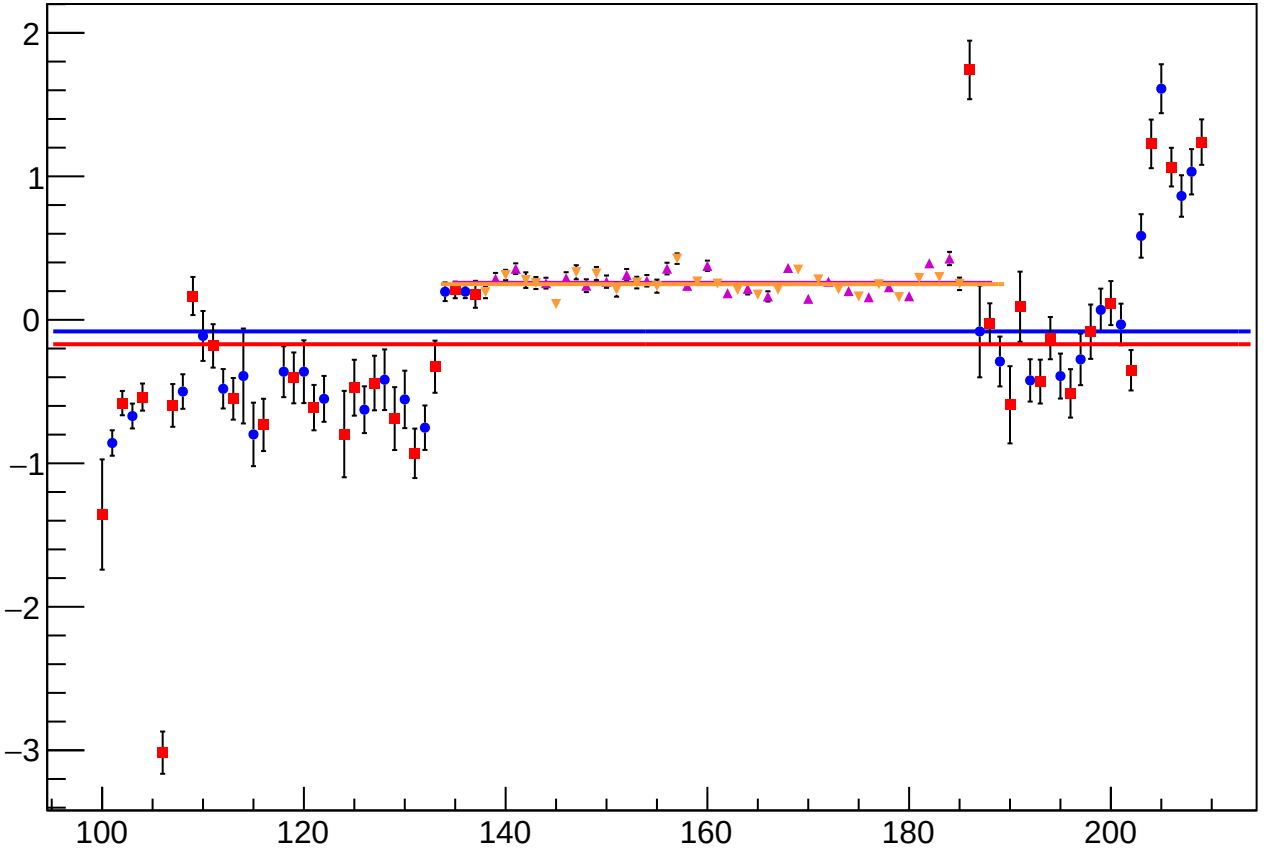
Right: -3.175+/-0.341 χ^2/NDF: 1648.5/58

In: -18.800+/-0.151 χ^2/NDF:4090.2/49

Out: -18.783+/-0.147 χ^2/NDF:3768.8/56

All: -18.791+/-0.106 χ^2/NDF: 7859.0/106

reg_asym_sam_24_68_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.081+/-0.023 χ^2/NDF: 485.3/26

Left Out: 0.249+/-0.007 χ^2/NDF:93.2/24

Right Out: -0.170+/-0.025 χ^2/NDF: 889.8/31

Left In: 0.258+/-0.007 χ^2/NDF:134.3/22

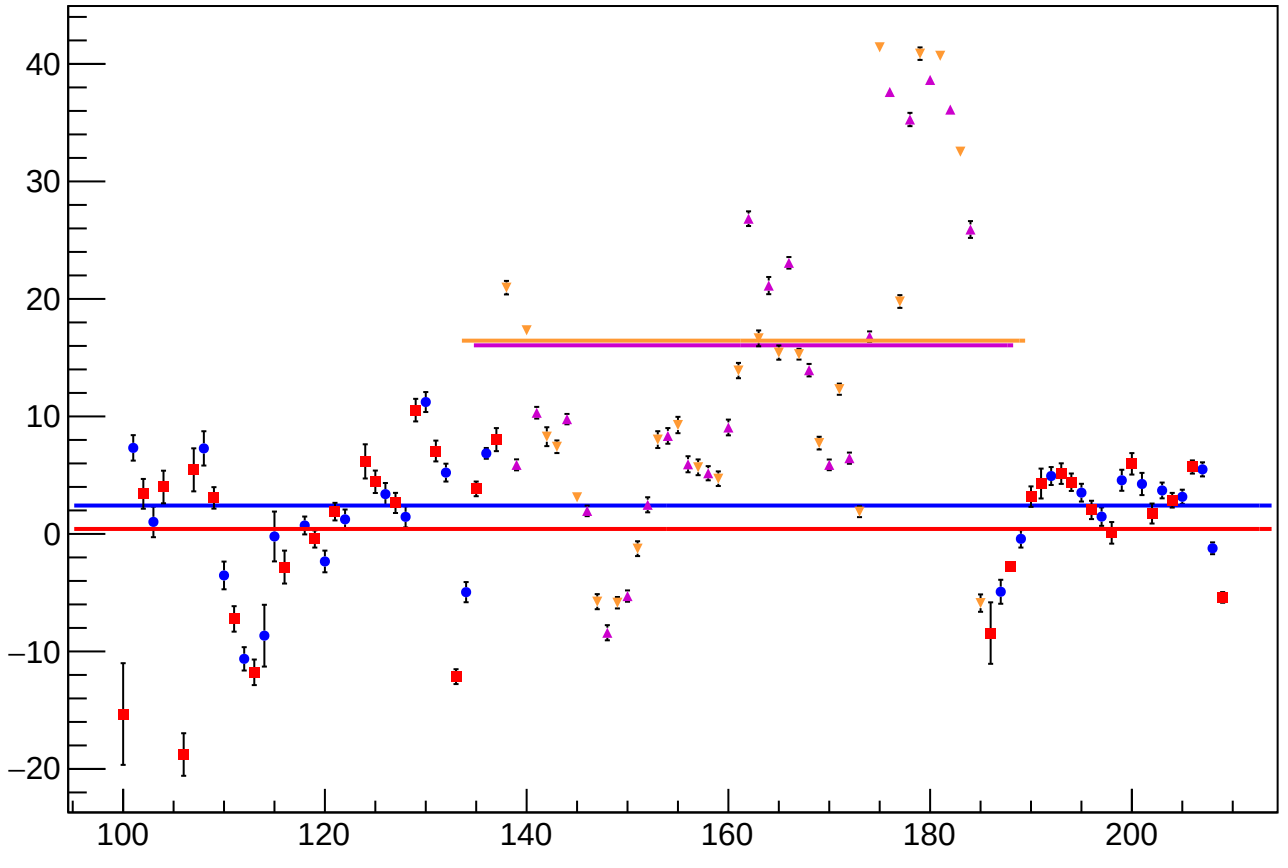
Left: 0.253+/-0.005 χ^2/NDF: 228.3/47

Right: -0.123+/-0.017 χ^2/NDF: 1382.0/58

In: 0.229+/-0.007 χ^2/NDF:809.9/49

Out: 0.218+/-0.007 χ^2/NDF:1249.6/56

All: 0.223+/-0.005 χ^2/NDF: 2060.9/106



Right In: 2.417+/-0.155 χ^2/NDF: 747.9/26

Left Out: 16.449+/-0.104 χ^2/NDF:21400.3/24

Right Out: 0.423+/-0.144 χ^2/NDF: 1503.4/31

Left In: 16.051+/-0.107 χ^2/NDF:17625.1/22

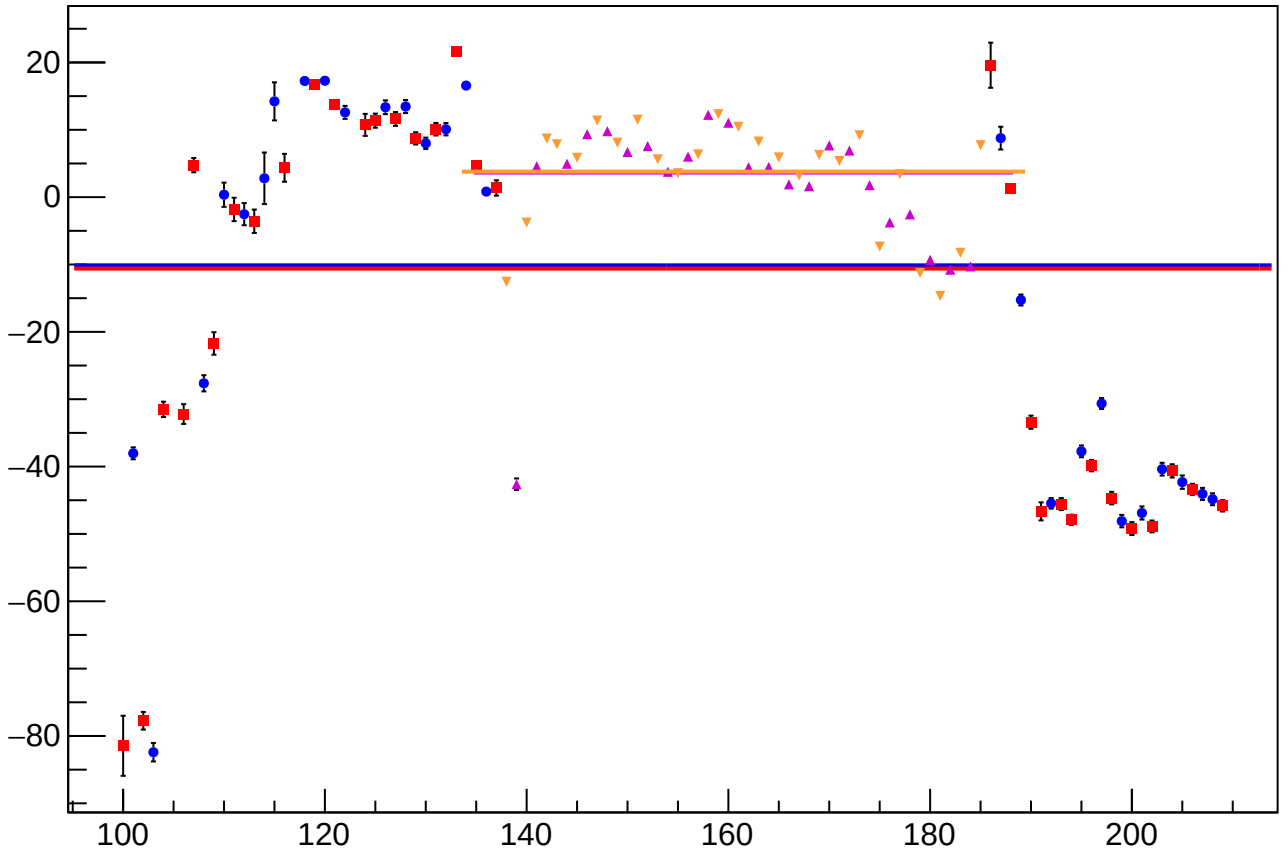
Left: 16.256+/-0.075 χ^2/NDF: 39032.5/47

Right: 1.346+/-0.105 χ^2/NDF: 2340.6/58

In: 11.622+/-0.088 χ^2/NDF:23625.1/49

Out: 10.930+/-0.084 χ^2/NDF:31079.5/56

All: 11.260+/-0.061 χ^2/NDF: 54736.8/106



Right In: -10.123+/-0.167 χ^2/NDF: 26635.0/26

Left Out: 3.790+/-0.080 χ^2/NDF:9100.7/24

Right Out: -10.605+/-0.158 χ^2/NDF: 31966.8/31

Left In: 3.649+/-0.083 χ^2/NDF:8310.7/22

Left: 3.722+/-0.058 χ^2/NDF: 17412.8/47

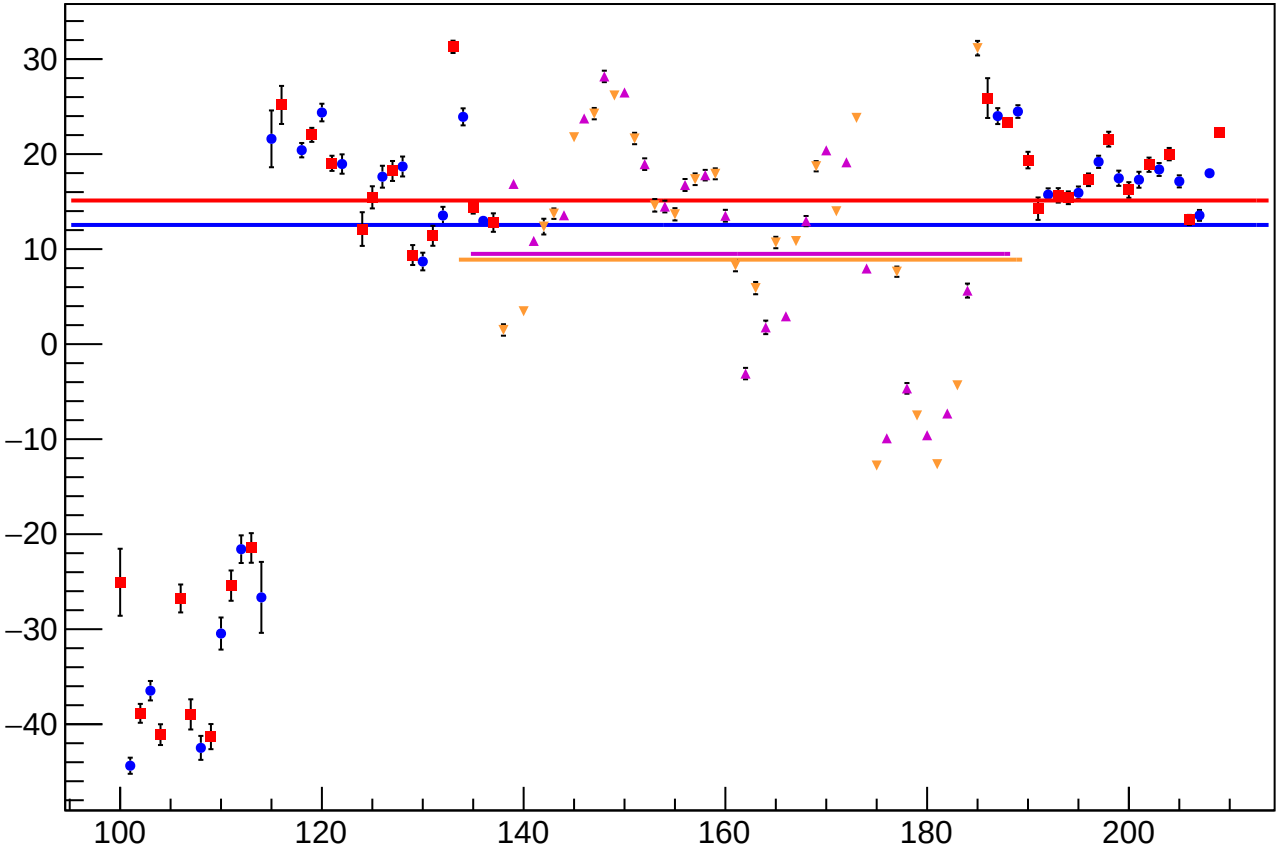
Right: -10.377+/-0.115 χ^2/NDF: 58606.2/58

In: 0.921+/-0.074 χ^2/NDF:40403.5/49

Out: 0.860+/-0.071 χ^2/NDF:47643.2/56

All: 0.890+/-0.052 χ^2/NDF: 88047.0/106

reg_asym_sam_26_48_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 12.544+/-0.152 χ^2/NDF: 11543.5/26

Left Out: 8.892+/-0.104 χ^2/NDF:15428.1/24

Right Out: 15.117+/-0.139 χ^2/NDF: 12732.0/31

Left In: 9.500+/-0.107 χ^2/NDF:13040.9/22

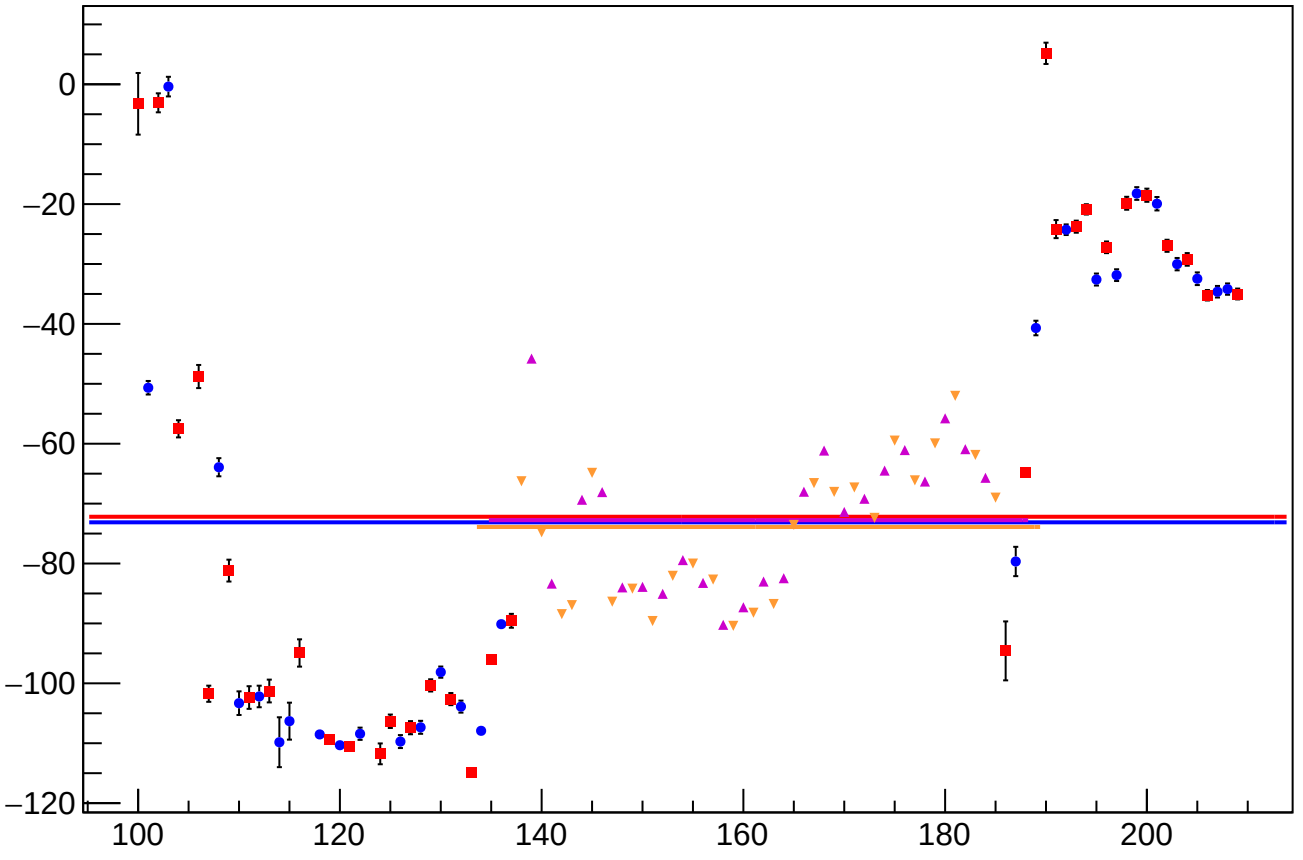
Left: 9.188+/-0.074 χ^2/NDF: 28485.8/47

Right: 13.953+/-0.102 χ^2/NDF: 24431.6/58

In: 10.499+/-0.087 χ^2/NDF:24852.5/49

Out: 11.128+/-0.083 χ^2/NDF:29454.0/56

All: 10.829+/-0.060 χ^2/NDF: 54333.8/106



Right In: -73.124+/-0.193 χ^2/NDF: 35965.0/26

Left Out: -73.907+/-0.090 χ^2/NDF:15567.0/24

Right Out: -72.193+/-0.185 χ^2/NDF: 43694.5/31

Left In: -72.763+/-0.093 χ^2/NDF:12612.6/22

Left: -73.353+/-0.065 χ^2/NDF: 28257.1/47

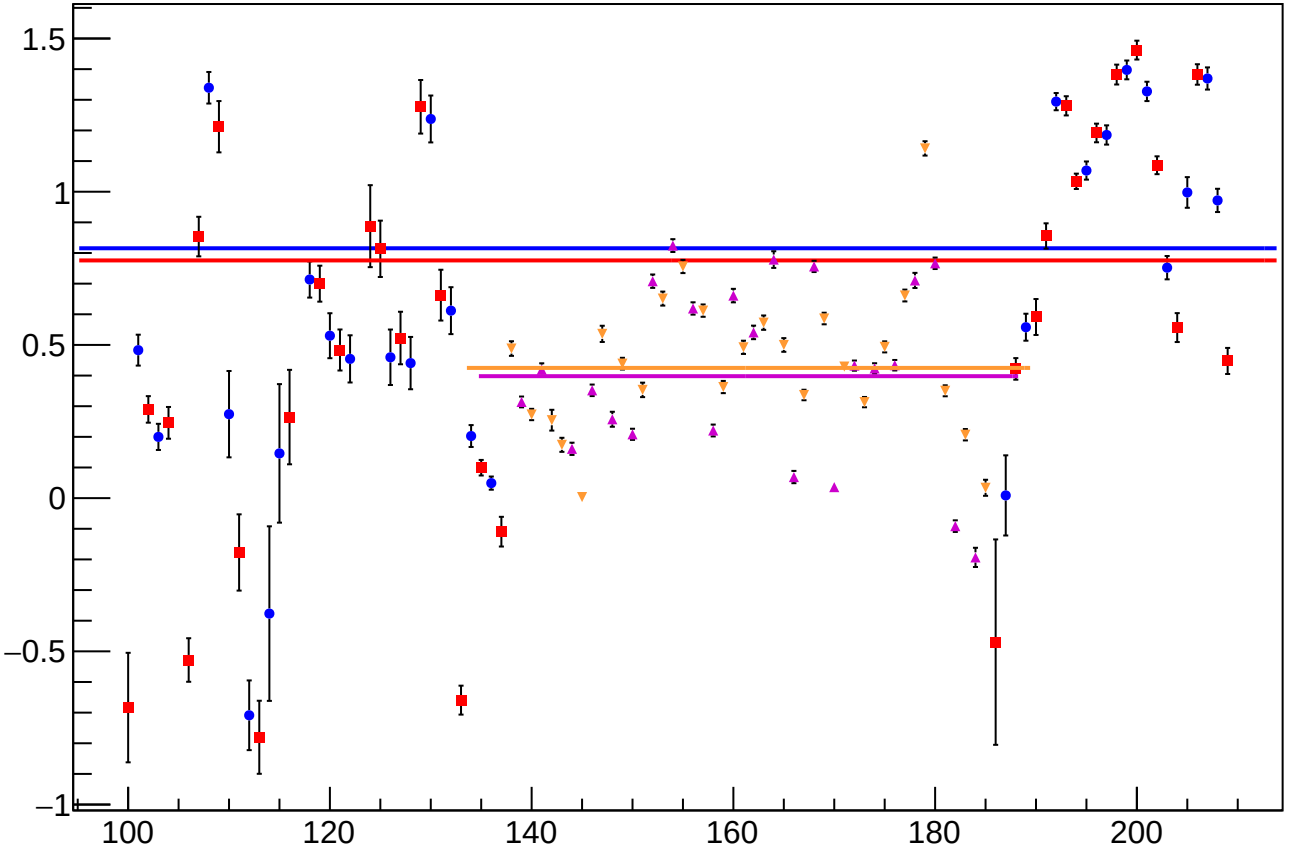
Right: -72.641+/-0.134 χ^2/NDF: 79671.6/58

In: -72.831+/-0.084 χ^2/NDF:48580.4/49

Out: -73.577+/-0.081 χ^2/NDF:59330.5/56

All: -73.217+/-0.058 χ^2/NDF: 107951.6/106

reg_asym_sam_26_48_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.815+/-0.008 χ^2/NDF: 3717.3/26

Left Out: 0.425+/-0.004 χ^2/NDF:3035.4/24

Right Out: 0.776+/-0.008 χ^2/NDF: 4985.5/31

Left In: 0.398+/-0.004 χ^2/NDF:4271.0/22

Left: 0.412+/-0.003 χ^2/NDF: 7328.2/47

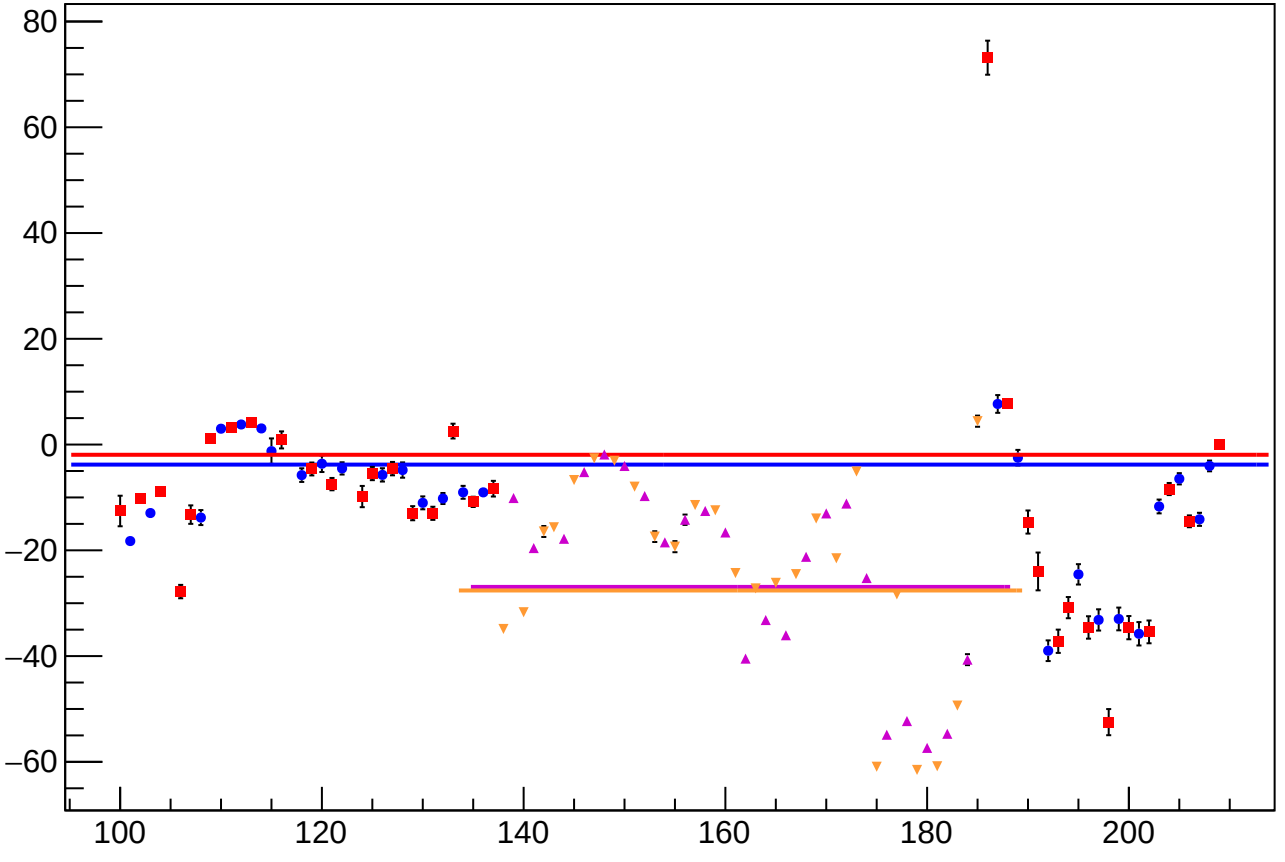
Right: 0.795+/-0.006 χ^2/NDF: 8714.5/58

In: 0.480+/-0.004 χ^2/NDF:9989.3/49

Out: 0.497+/-0.004 χ^2/NDF:9555.5/56

All: 0.488+/-0.003 χ^2/NDF: 19555.9/106

reg_asym_sam_1548_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -3.790+/-0.176 χ^2/NDF: 2770.7/26

Left Out: -27.594+/-0.144 χ^2/NDF:19761.6/24

Right Out: -1.932+/-0.157 χ^2/NDF: 4026.1/31

Left In: -26.918+/-0.149 χ^2/NDF:15536.6/22

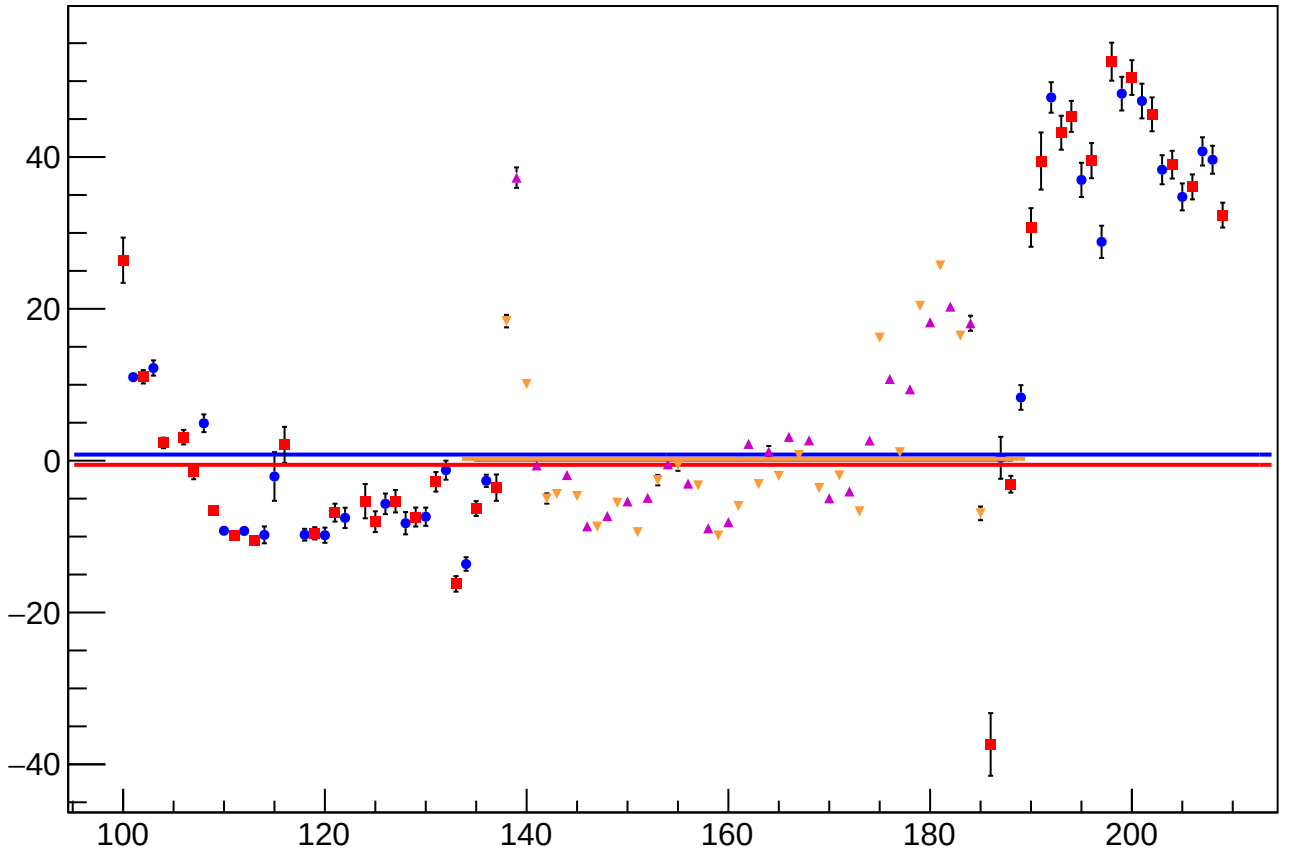
Left: -27.267+/-0.104 χ^2/NDF: 35308.8/47

Right: -2.754+/-0.117 χ^2/NDF: 6858.9/58

In: -17.255+/-0.114 χ^2/NDF:28345.4/49

Out: -15.830+/-0.106 χ^2/NDF:38283.4/56

All: -16.493+/-0.078 χ^2/NDF: 66712.5/106



Right In: 0.804+/-0.211 χ^2/NDF: 5374.9/26

Left Out: 0.238+/-0.110 χ^2/NDF:8035.6/24

Right Out: -0.544+/-0.203 χ^2/NDF: 5699.1/31

Left In: 0.131+/-0.114 χ^2/NDF:5837.4/22

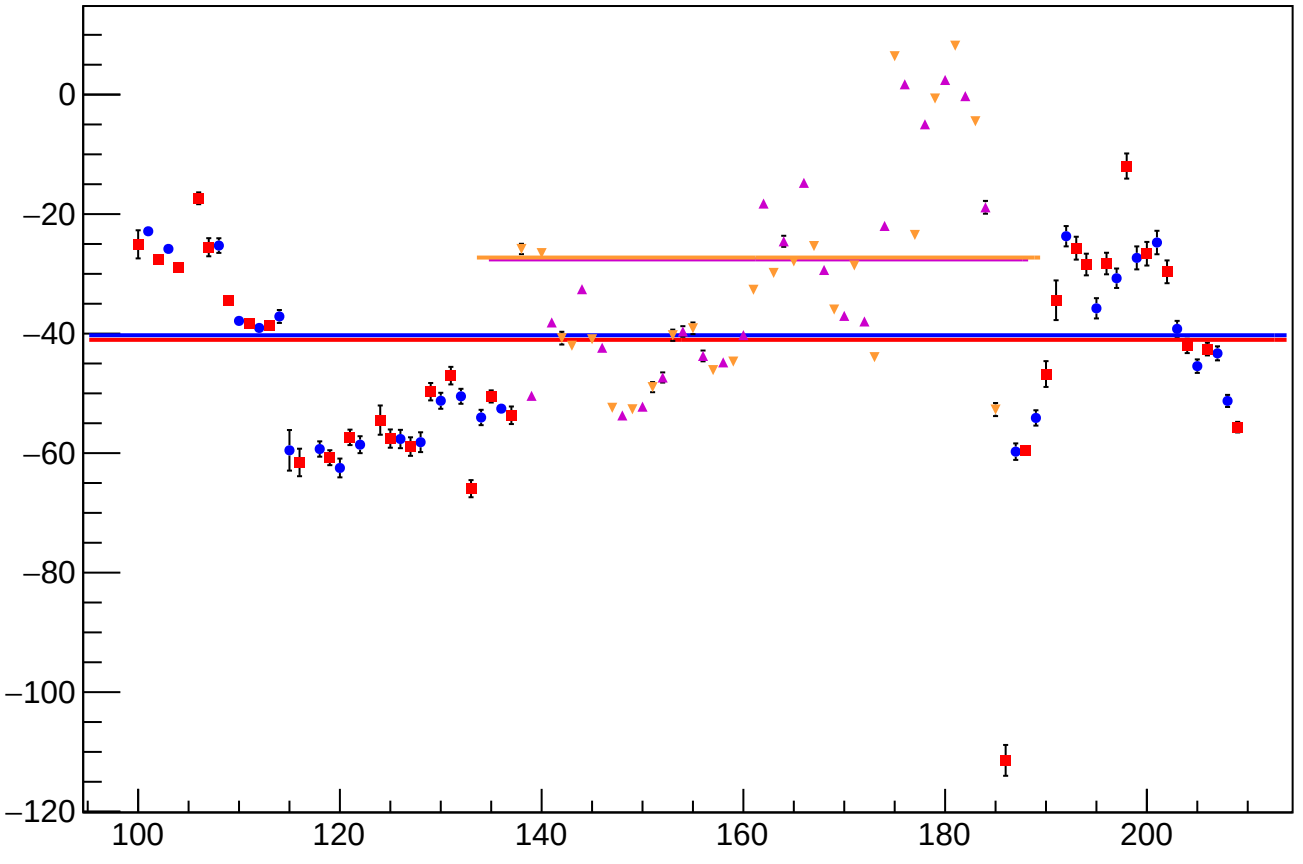
Left: 0.187+/-0.079 χ^2/NDF: 13873.5/47

Right: 0.104+/-0.146 χ^2/NDF: 11095.2/58

In: 0.284+/-0.101 χ^2/NDF:11220.2/49

Out: 0.060+/-0.097 χ^2/NDF:13746.2/56

All: 0.168+/-0.070 χ^2/NDF: 24968.9/106



Right In: -40.273+/-0.198 χ^2/NDF: 3677.6/26

Left Out: -27.271+/-0.144 χ^2/NDF:18526.9/24

Right Out: -41.043+/-0.184 χ^2/NDF: 5259.5/31

Left In: -27.583+/-0.148 χ^2/NDF:15648.7/22

Left: -27.423+/-0.103 χ^2/NDF: 34177.9/47

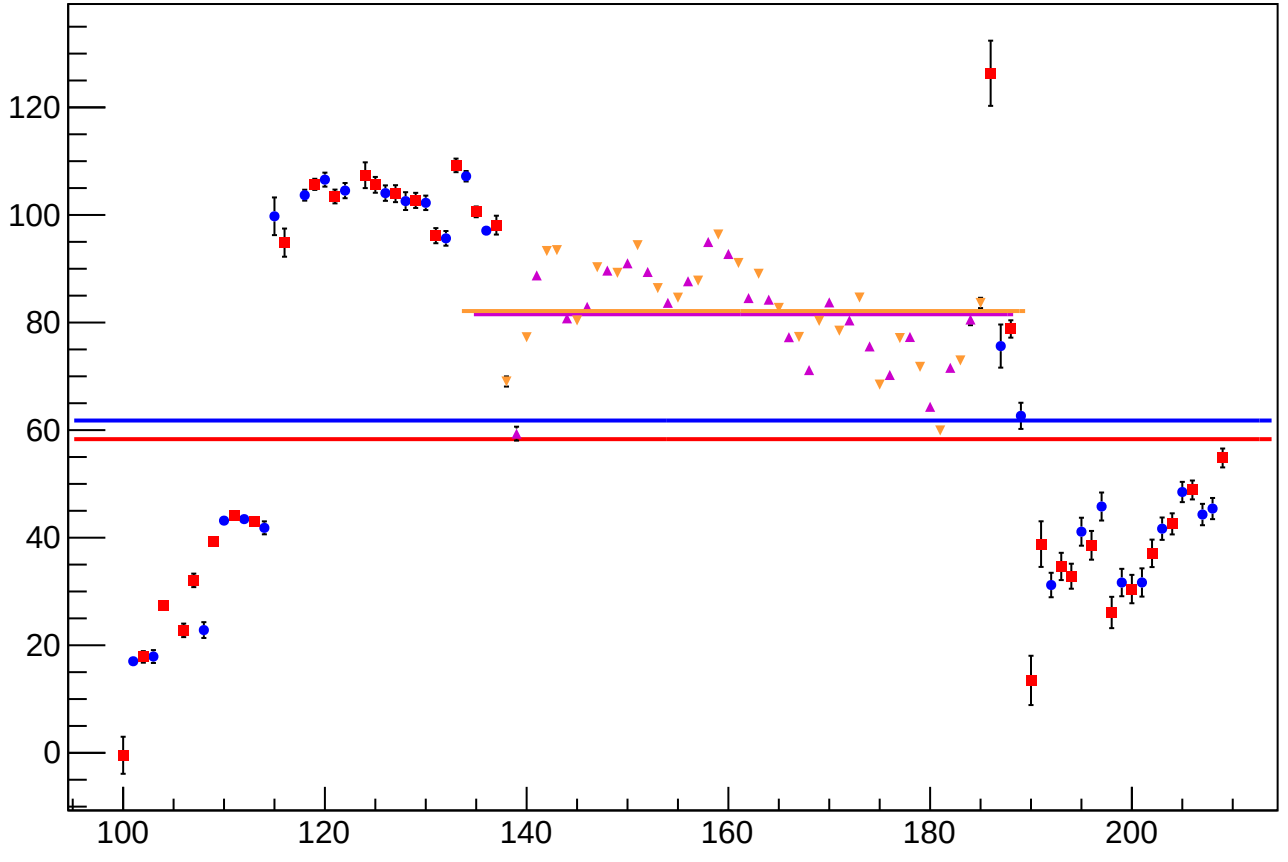
Right: -40.687+/-0.135 χ^2/NDF: 8945.2/58

In: -32.133+/-0.119 χ^2/NDF:21954.9/49

Out: -32.510+/-0.113 χ^2/NDF:27271.4/56

All: -32.330+/-0.082 χ^2/NDF: 49231.7/106

reg_asym_sam_1548_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 61.784+/-0.242 χ^2/NDF: 19539.0/26

Left Out: 82.134+/-0.125 χ^2/NDF:5375.9/24

Right Out: 58.319+/-0.233 χ^2/NDF: 18533.4/31

Left In: 81.539+/-0.129 χ^2/NDF:4043.0/22

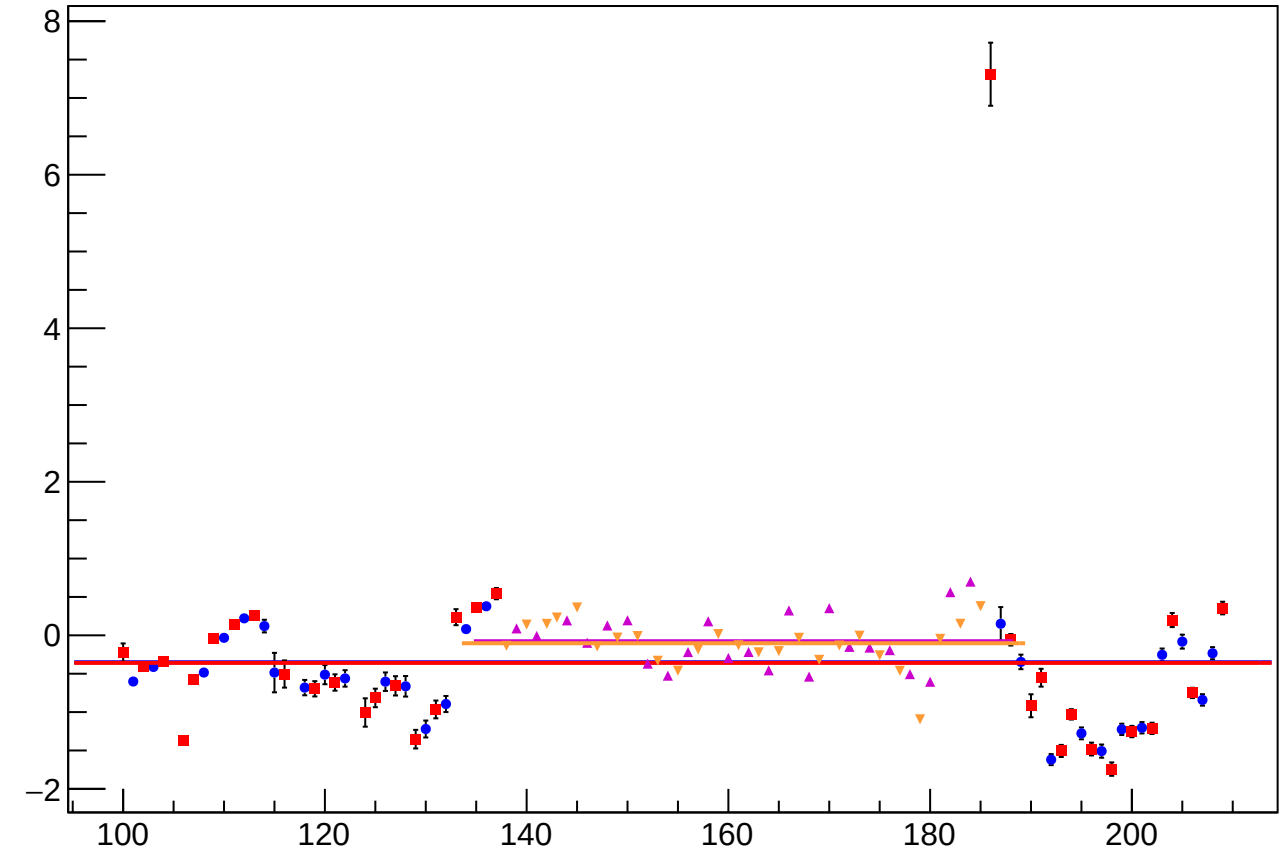
Left: 81.846+/-0.090 χ^2/NDF: 9429.9/47

Right: 59.985+/-0.168 χ^2/NDF: 38179.1/58

In: 77.160+/-0.114 χ^2/NDF:28783.8/49

Out: 76.814+/-0.110 χ^2/NDF:32049.4/56

All: 76.981+/-0.079 χ^2/NDF: 60838.0/106



Right In: -0.351+/-0.012 χ^2/NDF: 2029.4/26

Left Out: -0.103+/-0.006 χ^2/NDF:2408.2/24

Right Out: -0.359+/-0.011 χ^2/NDF: 3039.4/31

Left In: -0.077+/-0.006 χ^2/NDF:3320.8/22

Left: -0.090+/-0.004 χ^2/NDF: 5739.7/47

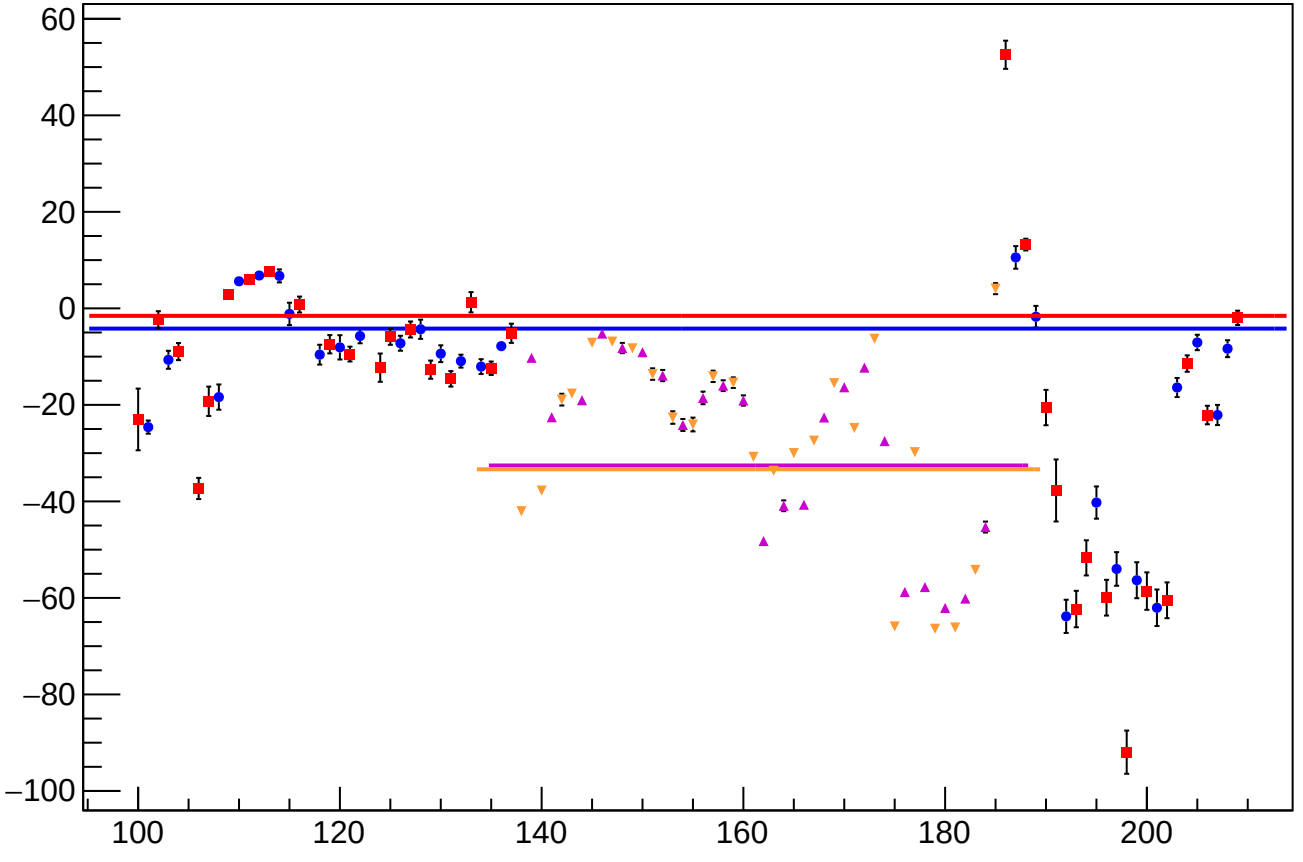
Right: -0.355+/-0.008 χ^2/NDF: 5069.1/58

In: -0.129+/-0.005 χ^2/NDF:5783.8/49

Out: -0.153+/-0.005 χ^2/NDF:5856.0/56

All: -0.142+/-0.004 χ^2/NDF: 11651.3/106

reg_asym_sam_3748_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -4.193+/-0.283 χ^2/NDF: 2179.7/26

Left Out: -33.346+/-0.165 χ^2/NDF:17989.6/24

Right Out: -1.550+/-0.259 χ^2/NDF: 3233.5/31

Left In: -32.559+/-0.169 χ^2/NDF:13896.0/22

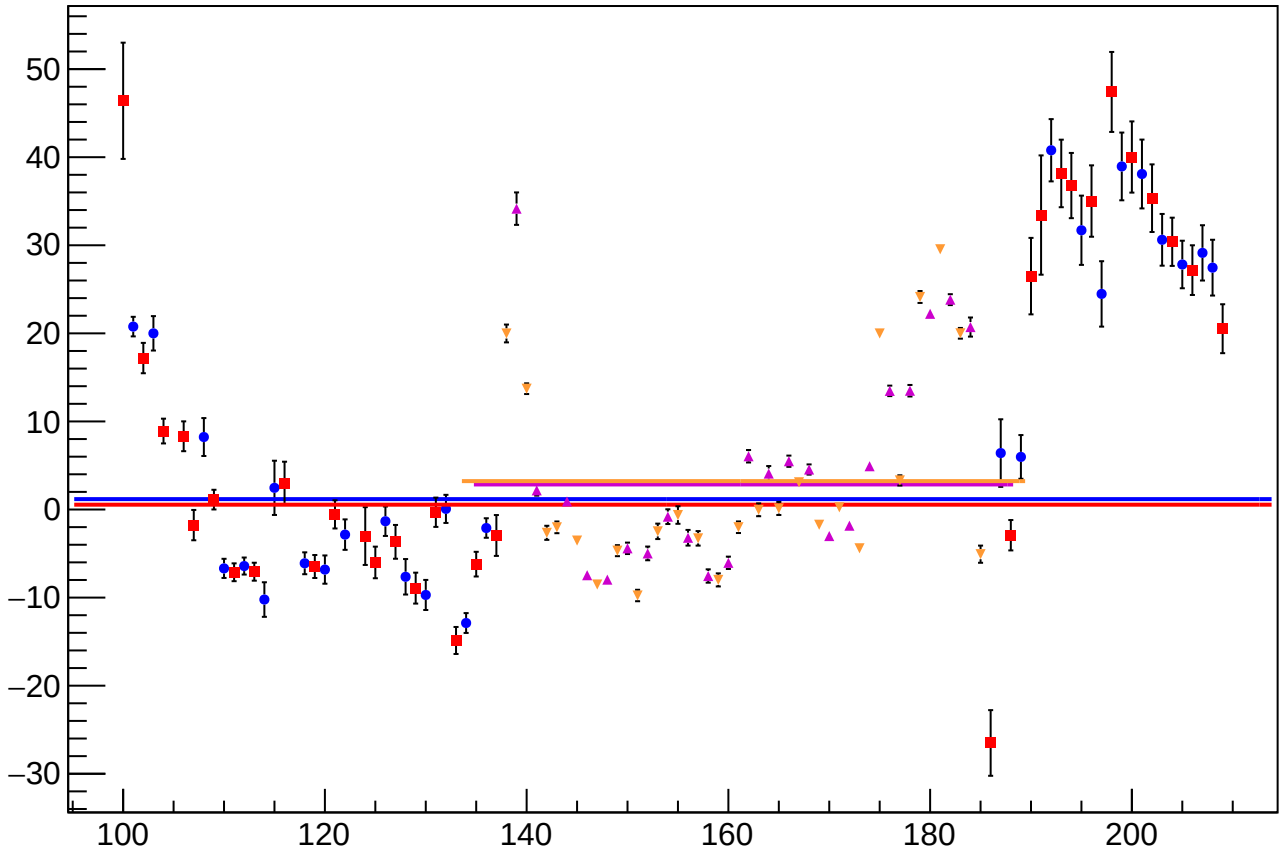
Left: -32.964+/-0.118 χ^2/NDF: 31896.7/47

Right: -2.754+/-0.191 χ^2/NDF: 5460.8/58

In: -25.060+/-0.145 χ^2/NDF:23485.6/49

Out: -24.179+/-0.139 χ^2/NDF:31980.0/56

All: -24.600+/-0.100 χ^2/NDF: 55484.9/106



Right In: 1.180+/-0.335 χ^2/NDF: 1616.8/26

Left Out: 3.224+/-0.128 χ^2/NDF:7675.6/24

Right Out: 0.549+/-0.330 χ^2/NDF: 1443.1/31

Left In: 2.845+/-0.131 χ^2/NDF:5455.5/22

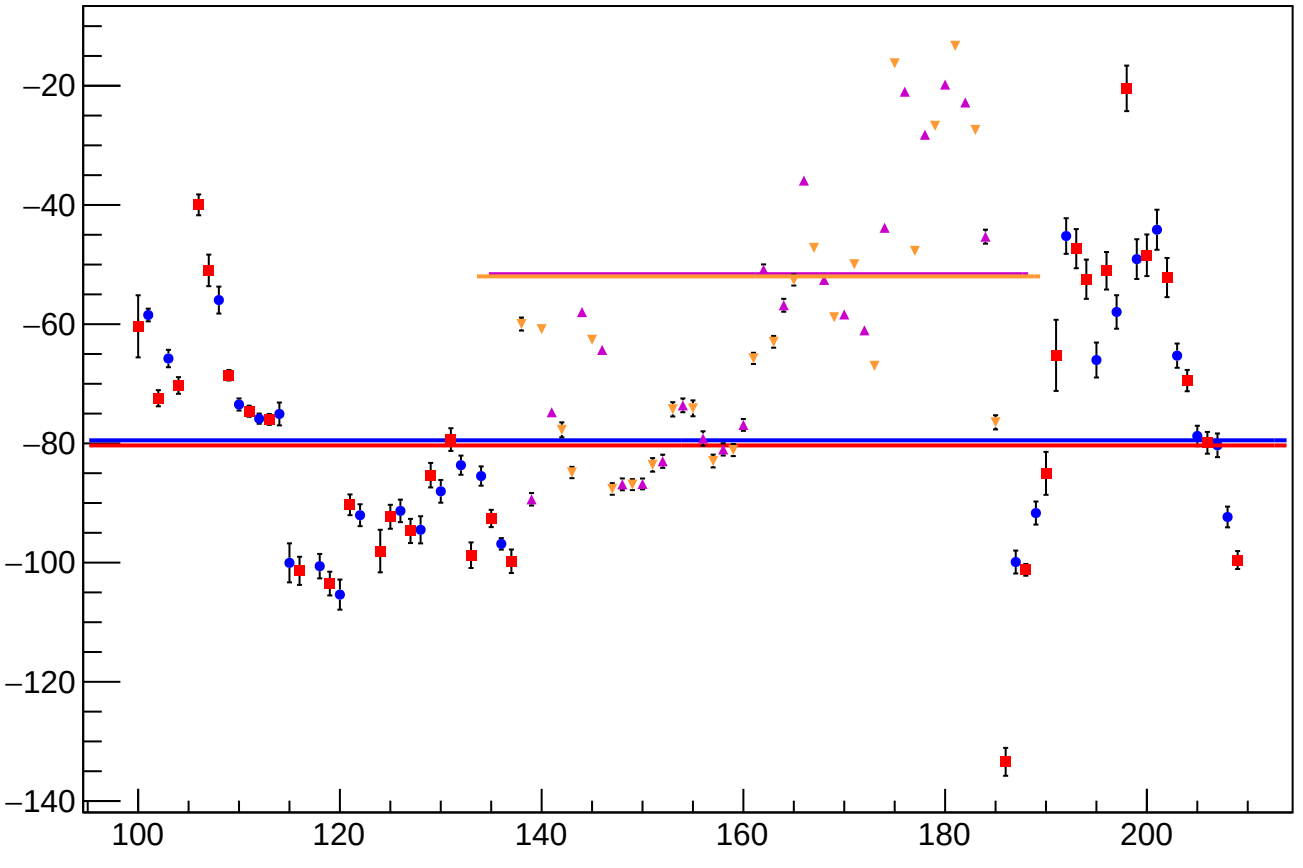
Left: 3.039+/-0.092 χ^2/NDF: 13135.4/47

Right: 0.860+/-0.235 χ^2/NDF: 3061.7/58

In: 2.624+/-0.122 χ^2/NDF:7093.7/49

Out: 2.874+/-0.119 χ^2/NDF:9175.8/56

All: 2.752+/-0.085 χ^2/NDF: 16271.7/106



Right In: -79.481+/-0.320 χ^2/NDF: 2050.8/26

Left Out: -51.982+/-0.165 χ^2/NDF:20887.7/24

Right Out: -80.341+/-0.303 χ^2/NDF: 3438.3/31

Left In: -51.612+/-0.169 χ^2/NDF:17624.2/22

Left: -51.802+/-0.118 χ^2/NDF: 38514.3/47

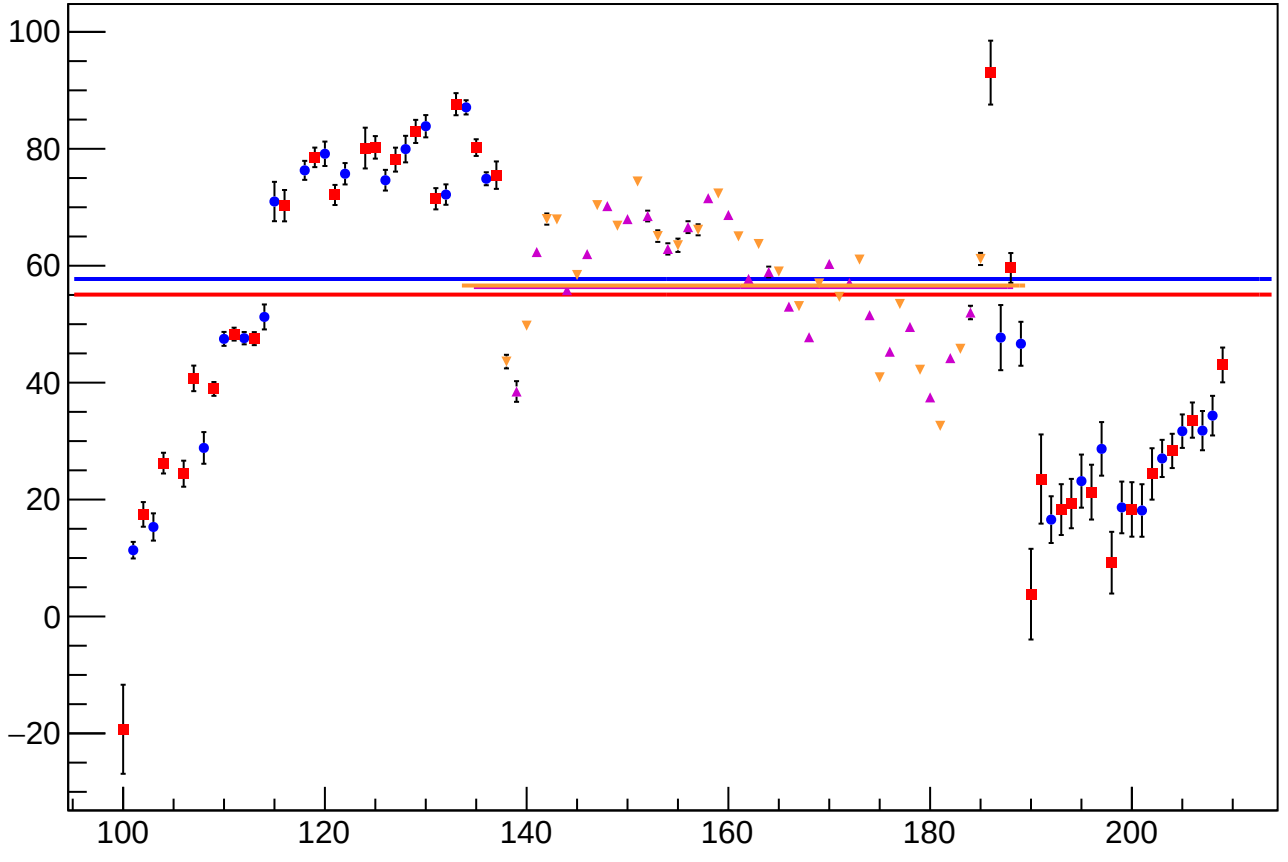
Right: -79.935+/-0.220 χ^2/NDF: 5492.9/58

In: -57.693+/-0.149 χ^2/NDF:25604.1/49

Out: -58.464+/-0.145 χ^2/NDF:31093.1/56

All: -58.091+/-0.104 χ^2/NDF: 56710.8/106

reg_asym_sam_3748_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 57.730+/-0.378 χ^2/NDF: 3956.6/26

Left Out: 56.612+/-0.144 χ^2/NDF:5666.2/24

Right Out: 55.061+/-0.375 χ^2/NDF: 3464.1/31

Left In: 56.348+/-0.147 χ^2/NDF:3968.7/22

Left: 56.483+/-0.103 χ^2/NDF: 9636.5/47

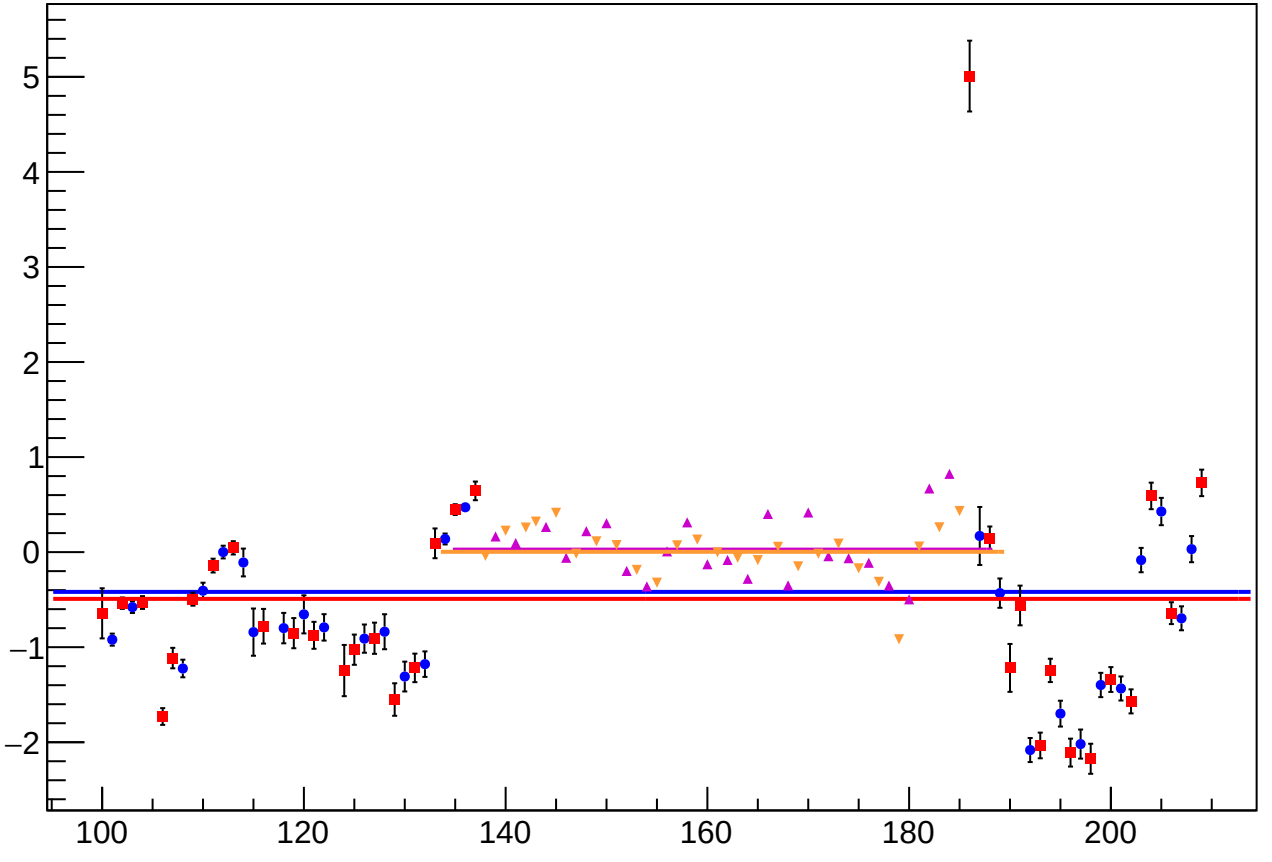
Right: 56.385+/-0.266 χ^2/NDF: 7445.8/58

In: 56.530+/-0.137 χ^2/NDF:7936.9/49

Out: 56.414+/-0.134 χ^2/NDF:9145.1/56

All: 56.470+/-0.096 χ^2/NDF: 17082.4/106

reg_asym_sam_3748_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.418+/-0.019 χ^2/NDF: 1323.2/26

Left Out: 0.004+/-0.006 χ^2/NDF:1701.0/24

Right Out: -0.492+/-0.019 χ^2/NDF: 1750.6/31

Left In: 0.026+/-0.007 χ^2/NDF:2349.0/22

Left: 0.015+/-0.005 χ^2/NDF: 4056.1/47

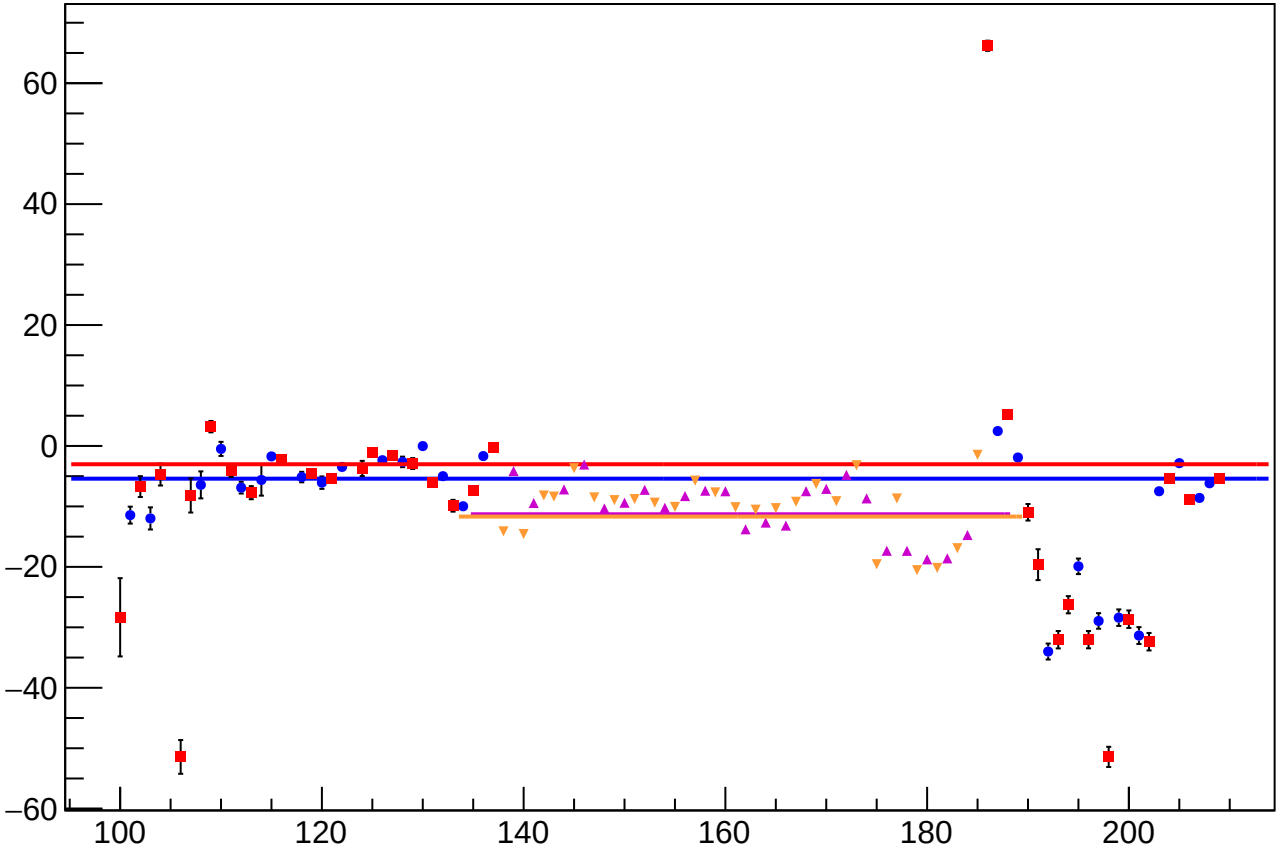
Right: -0.455+/-0.014 χ^2/NDF: 3081.1/58

In: -0.020+/-0.006 χ^2/NDF:4149.5/49

Out: -0.047+/-0.006 χ^2/NDF:4047.8/56

All: -0.034+/-0.004 χ^2/NDF: 8206.3/106

reg_asym_sam_1526_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -5.412+/-0.153 χ^2/NDF: 2041.0/26

Left Out: -11.680+/-0.053 χ^2/NDF:12602.3/24

Right Out: -3.024+/-0.152 χ^2/NDF: 10516.3/31

Left In: -11.301+/-0.054 χ^2/NDF:9229.2/22

Left: -11.495+/-0.038 χ^2/NDF: 21856.8/47

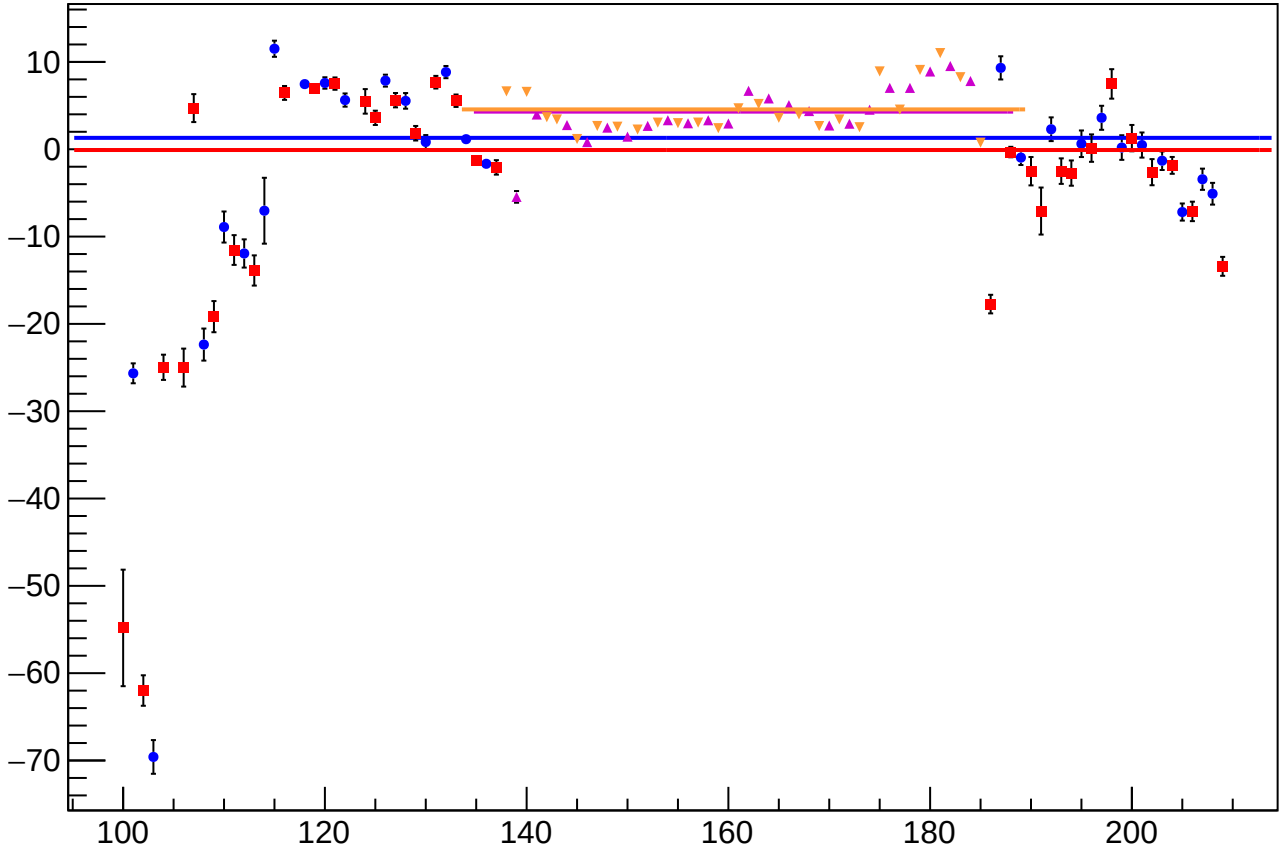
Right: -4.213+/-0.108 χ^2/NDF: 12679.6/58

In: -10.650+/-0.051 χ^2/NDF:12586.0/49

Out: -10.757+/-0.050 χ^2/NDF:25999.4/56

All: -10.705+/-0.036 χ^2/NDF: 38587.6/106

reg_asym_sam_1526_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 1.305+/-0.167 χ^2/NDF: 3018.9/26

Left Out: 4.564+/-0.041 χ^2/NDF:4356.3/24

Right Out: -0.088+/-0.175 χ^2/NDF: 3128.1/31

Left In: 4.308+/-0.042 χ^2/NDF:3609.0/22

Left: 4.438+/-0.030 χ^2/NDF: 7984.1/47

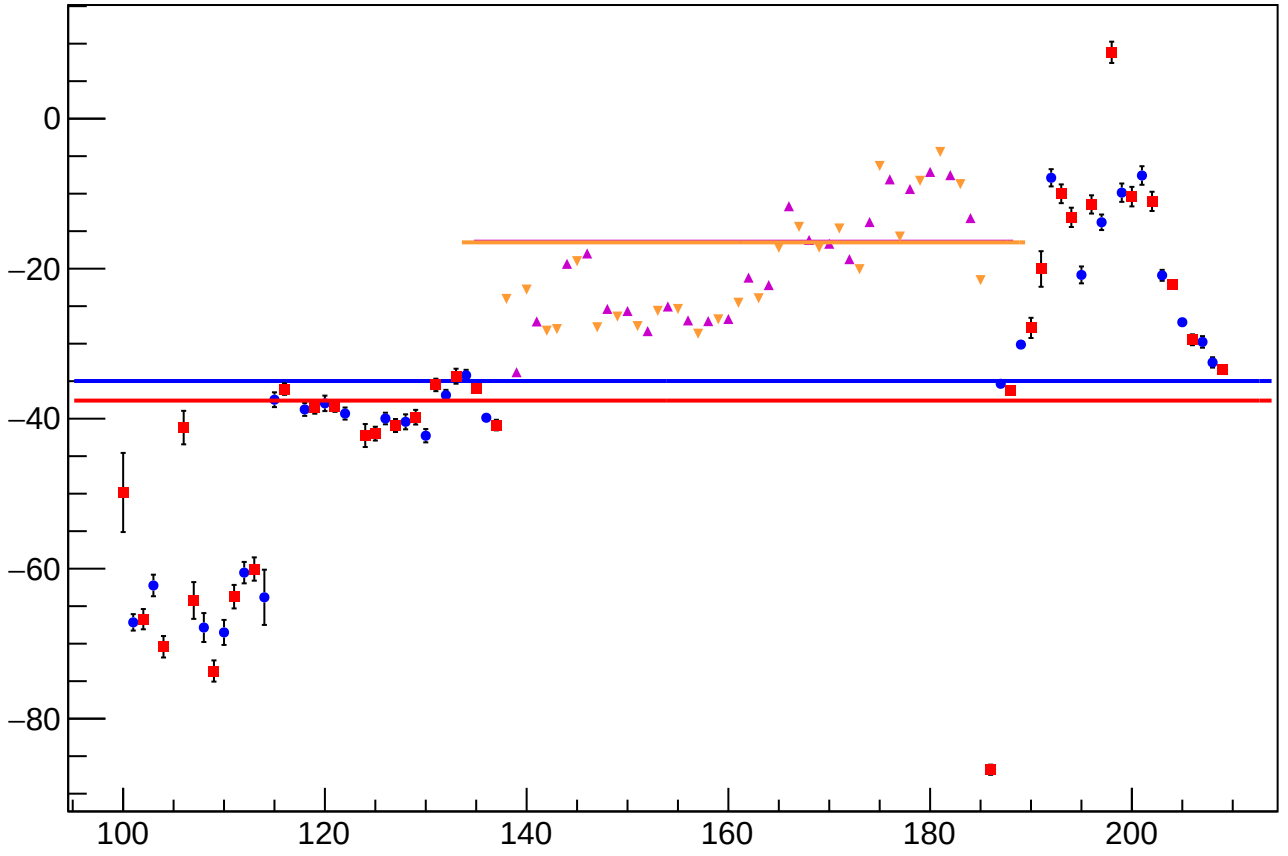
Right: 0.640+/-0.121 χ^2/NDF: 6180.0/58

In: 4.130+/-0.041 χ^2/NDF:6930.4/49

Out: 4.318+/-0.040 χ^2/NDF:8151.8/56

All: 4.225+/-0.029 χ^2/NDF: 15093.1/106

reg_asym_sam_1526_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -34.980+/-0.158 χ^2/NDF: 5383.6/26

Left Out: -16.492+/-0.053 χ^2/NDF:21982.6/24

Right Out: -37.590+/-0.155 χ^2/NDF: 11810.1/31

Left In: -16.403+/-0.054 χ^2/NDF:18032.3/22

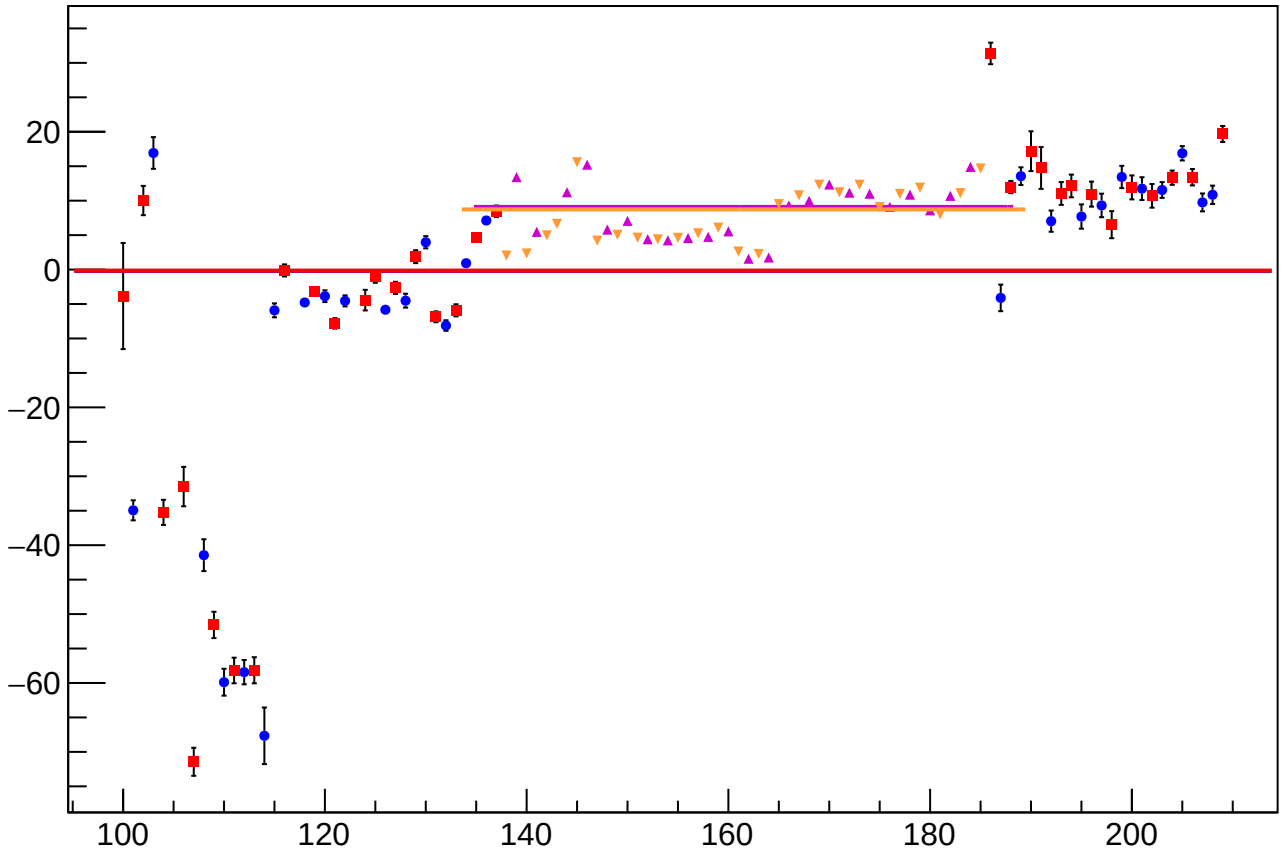
Left: -16.448+/-0.038 χ^2/NDF: 40016.4/47

Right: -36.312+/-0.111 χ^2/NDF: 17332.2/58

In: -18.330+/-0.051 χ^2/NDF:35731.7/49

Out: -18.681+/-0.050 χ^2/NDF:50366.4/56

All: -18.509+/-0.036 χ^2/NDF: 86122.2/106



Right In: -0.189+/-0.188 χ^2/NDF: 4713.2/26

Left Out: 8.735+/-0.046 χ^2/NDF:6875.5/24

Right Out: -0.158+/-0.200 χ^2/NDF: 6304.3/31

Left In: 9.096+/-0.047 χ^2/NDF:5739.5/22

Left: 8.912+/-0.033 χ^2/NDF: 12645.1/47

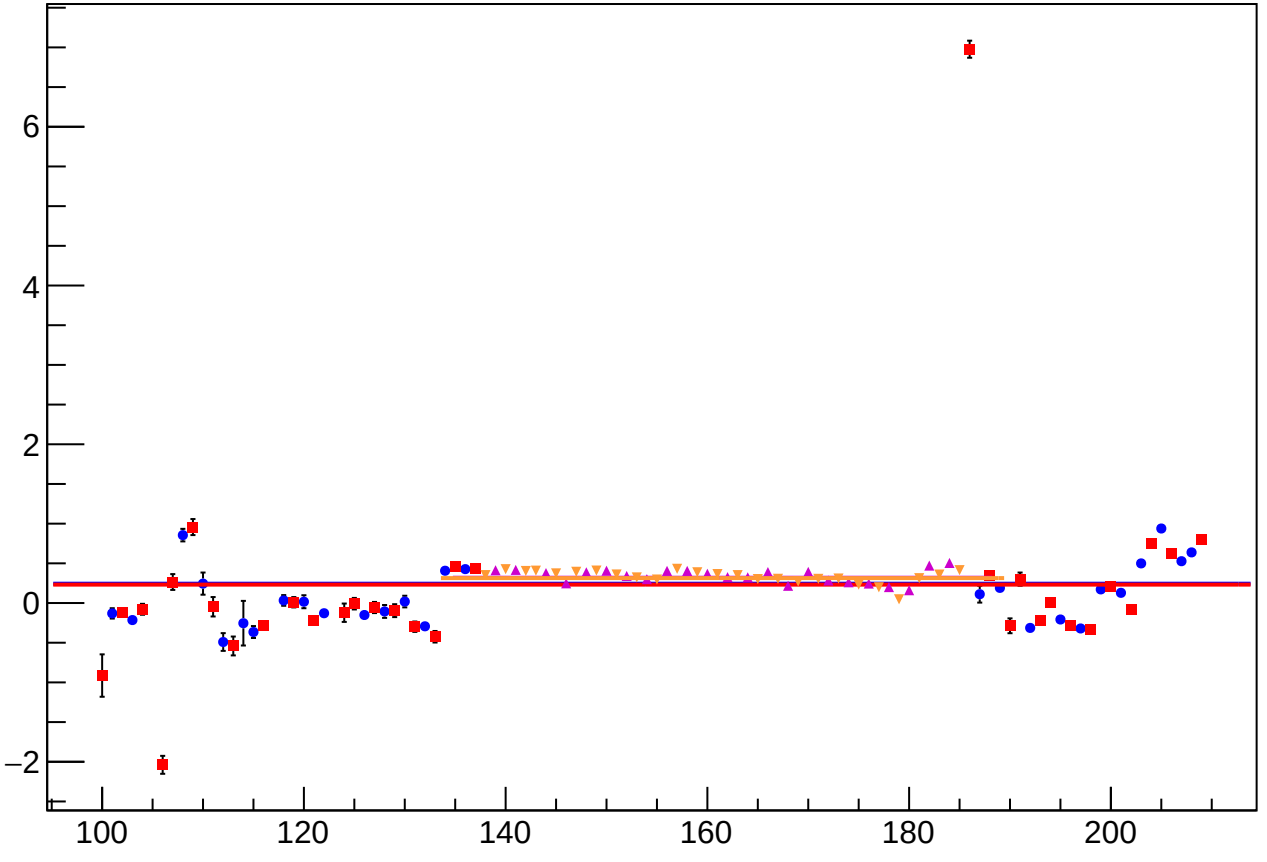
Right: -0.175+/-0.137 χ^2/NDF: 11017.5/58

In: 8.548+/-0.046 χ^2/NDF:12748.4/49

Out: 8.286+/-0.045 χ^2/NDF:15048.0/56

All: 8.415+/-0.032 χ^2/NDF: 27813.0/106

reg_asym_sam_1526_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.243+/-0.009 χ^2/NDF: 1226.4/26

Left Out: 0.314+/-0.002 χ^2/NDF:1602.1/24

Right Out: 0.232+/-0.010 χ^2/NDF: 5639.1/31

Left In: 0.319+/-0.002 χ^2/NDF:1787.8/22

Left: 0.316+/-0.001 χ^2/NDF: 3392.4/47

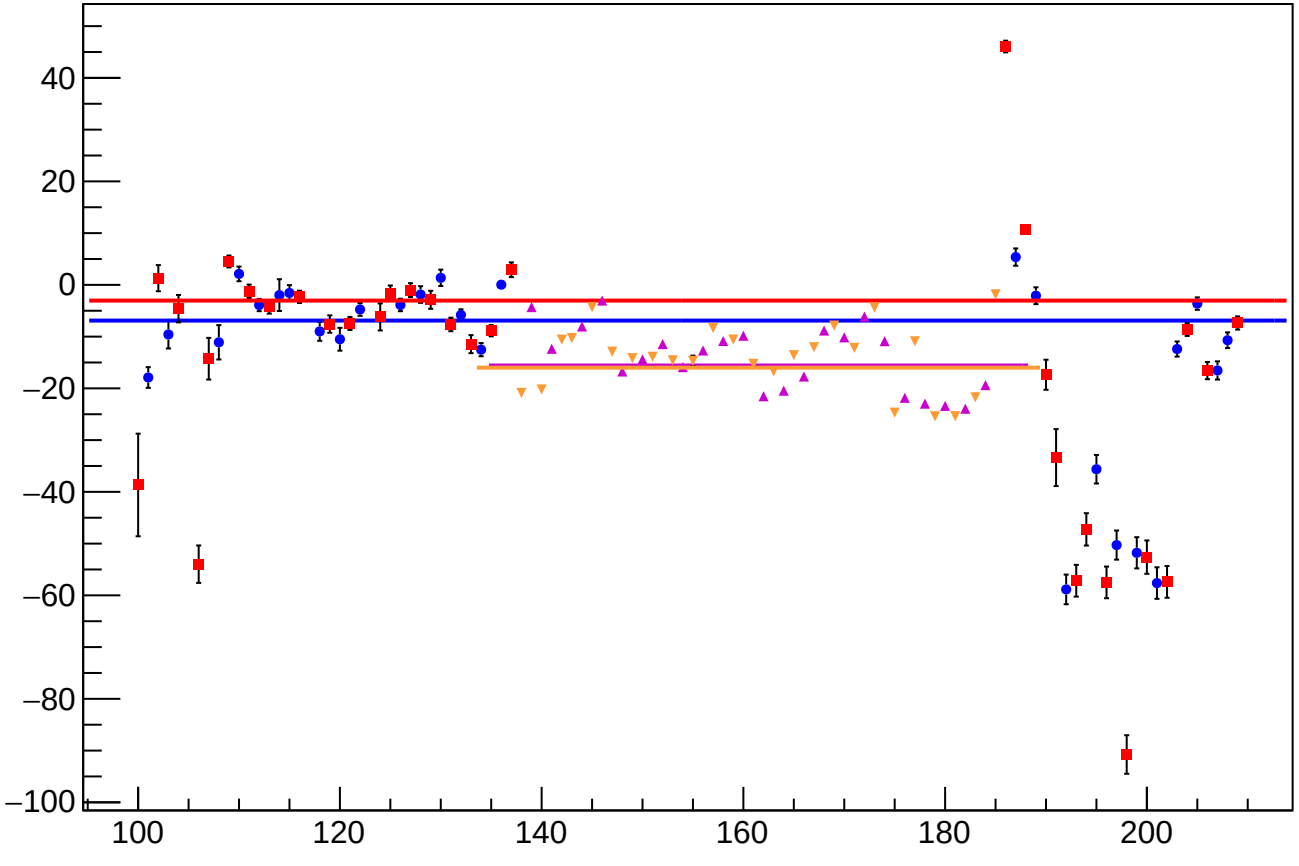
Right: 0.238+/-0.007 χ^2/NDF: 6866.2/58

In: 0.315+/-0.002 χ^2/NDF:3076.6/49

Out: 0.311+/-0.002 χ^2/NDF:7305.6/56

All: 0.313+/-0.001 χ^2/NDF: 10384.5/106

reg_asym_sam_3726_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -6.898+/-0.294 χ^2/NDF: 1556.4/26

Left Out: -16.000+/-0.099 χ^2/NDF:5962.8/24

Right Out: -3.036+/-0.286 χ^2/NDF: 4578.7/31

Left In: -15.582+/-0.102 χ^2/NDF:4759.9/22

Left: -15.797+/-0.071 χ^2/NDF: 10731.3/47

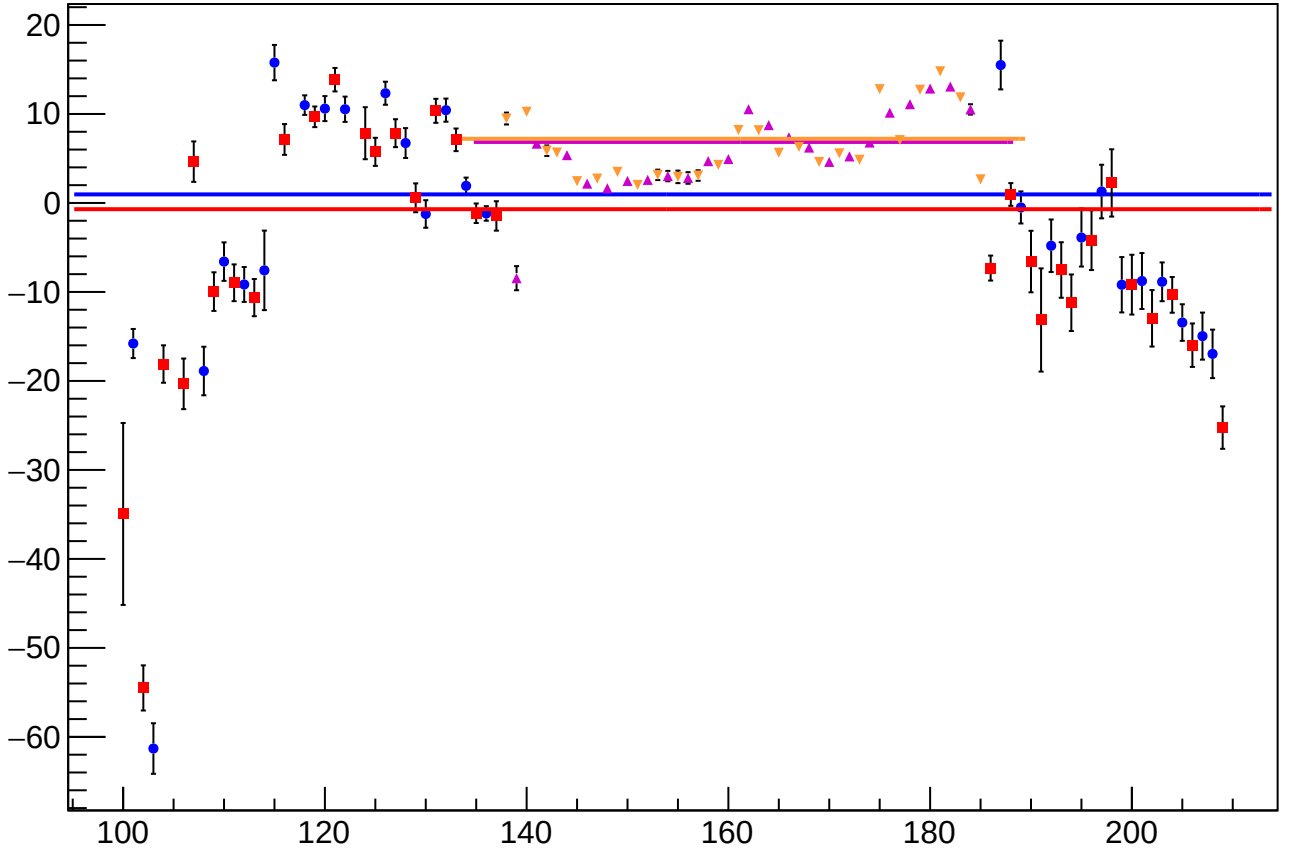
Right: -4.918+/-0.205 χ^2/NDF: 6223.8/58

In: -14.647+/-0.096 χ^2/NDF:7097.0/49

Out: -14.605+/-0.094 χ^2/NDF:12373.4/56

All: -14.625+/-0.067 χ^2/NDF: 19470.6/106

reg_asym_sam_3726_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 0.963+/-0.324 χ^2/NDF: 1268.6/26

Left Out: 7.212+/-0.080 χ^2/NDF:2455.9/24

Right Out: -0.701+/-0.332 χ^2/NDF: 1261.0/31

Left In: 6.856+/-0.081 χ^2/NDF:2156.4/22

Left: 7.036+/-0.057 χ^2/NDF: 4622.1/47

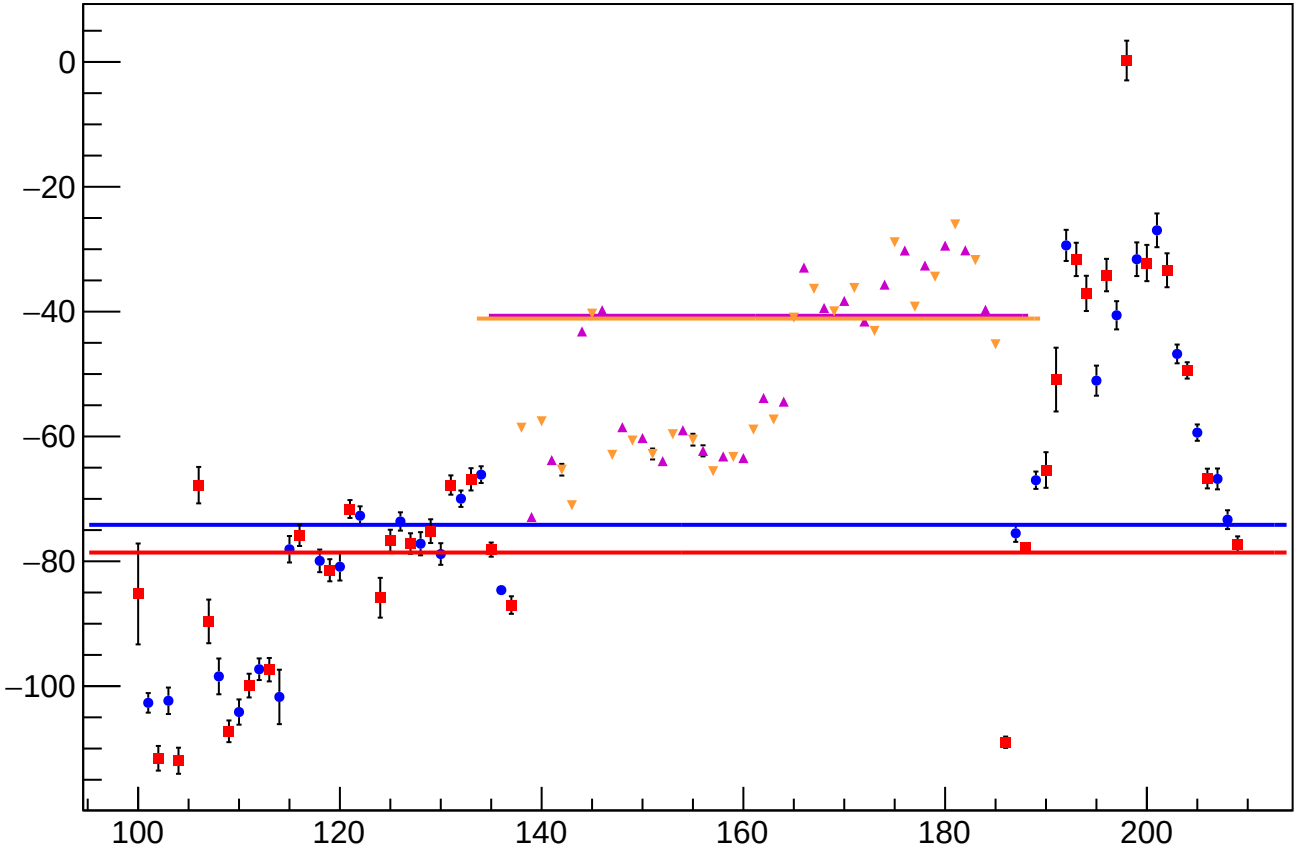
Right: 0.152+/-0.232 χ^2/NDF: 2542.5/58

In: 6.508+/-0.079 χ^2/NDF:3736.9/49

Out: 6.776+/-0.078 χ^2/NDF:4254.5/56

All: 6.644+/-0.055 χ^2/NDF: 7997.3/106

reg_asym_sam_3726_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -74.158+/-0.309 χ^2/NDF: 3008.8/26

Left Out: -41.111+/-0.100 χ^2/NDF:16000.8/24

Right Out: -78.596+/-0.296 χ^2/NDF: 4919.8/31

Left In: -40.665+/-0.102 χ^2/NDF:13541.3/22

Left: -40.893+/-0.071 χ^2/NDF: 29551.8/47

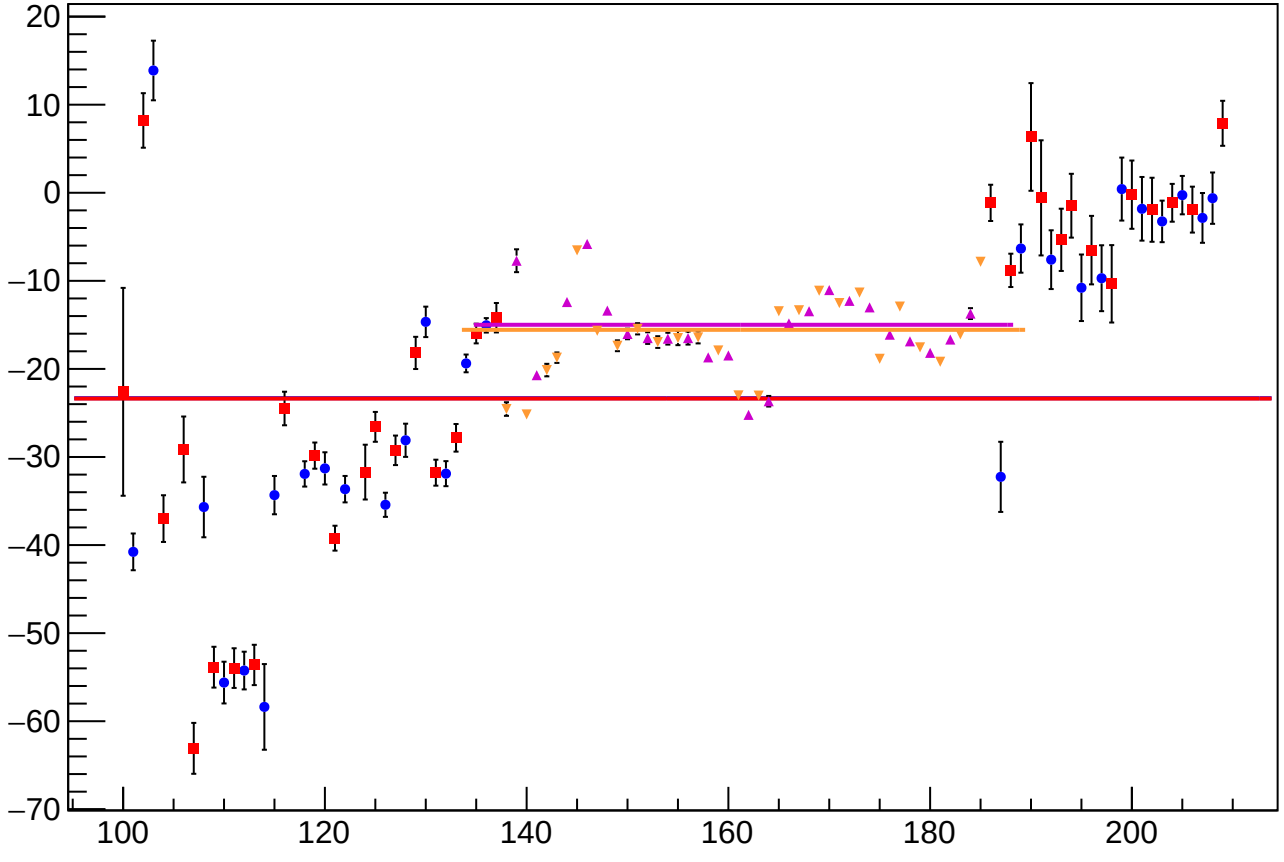
Right: -76.477+/-0.214 χ^2/NDF: 8036.1/58

In: -43.960+/-0.097 χ^2/NDF:27113.1/49

Out: -44.956+/-0.095 χ^2/NDF:35333.0/56

All: -44.470+/-0.068 χ^2/NDF: 62499.9/106

reg_asym_sam_3726_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -23.327+/-0.363 χ^2/NDF: 1507.3/26

Left Out: -15.562+/-0.089 χ^2/NDF:2549.5/24

Right Out: -23.367+/-0.381 χ^2/NDF: 1841.4/31

Left In: -14.990+/-0.090 χ^2/NDF:2150.9/22

Left: -15.281+/-0.063 χ^2/NDF: 4720.8/47

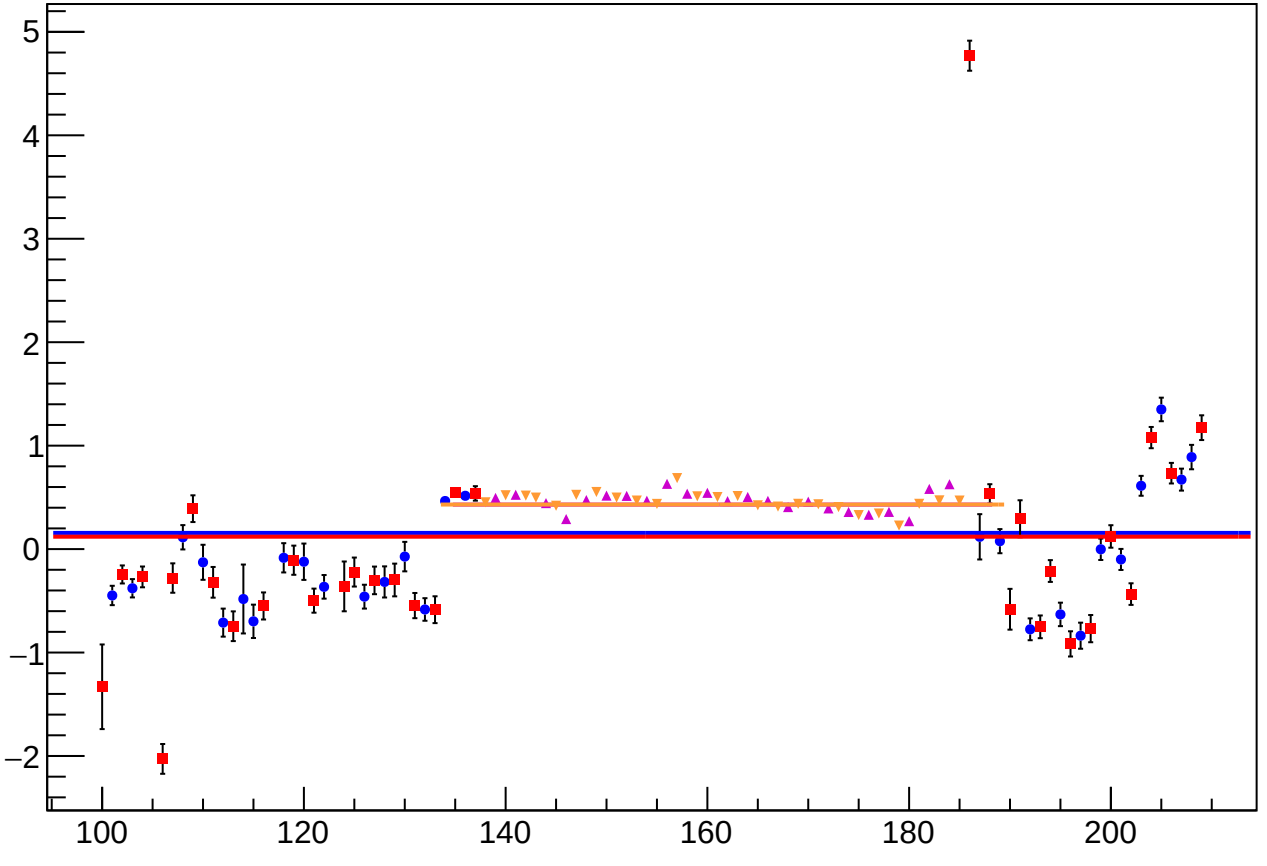
Right: -23.346+/-0.263 χ^2/NDF: 3348.7/58

In: -15.477+/-0.088 χ^2/NDF:4156.1/49

Out: -15.964+/-0.087 χ^2/NDF:4788.4/56

All: -15.724+/-0.062 χ^2/NDF: 8960.2/106

reg_asym_sam_3726_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.156+/-0.018 χ^2/NDF: 814.4/26

Left Out: 0.431+/-0.004 χ^2/NDF:418.4/24

Right Out: 0.120+/-0.019 χ^2/NDF: 2078.1/31

Left In: 0.430+/-0.004 χ^2/NDF:583.6/22

Left: 0.430+/-0.003 χ^2/NDF: 1002.0/47

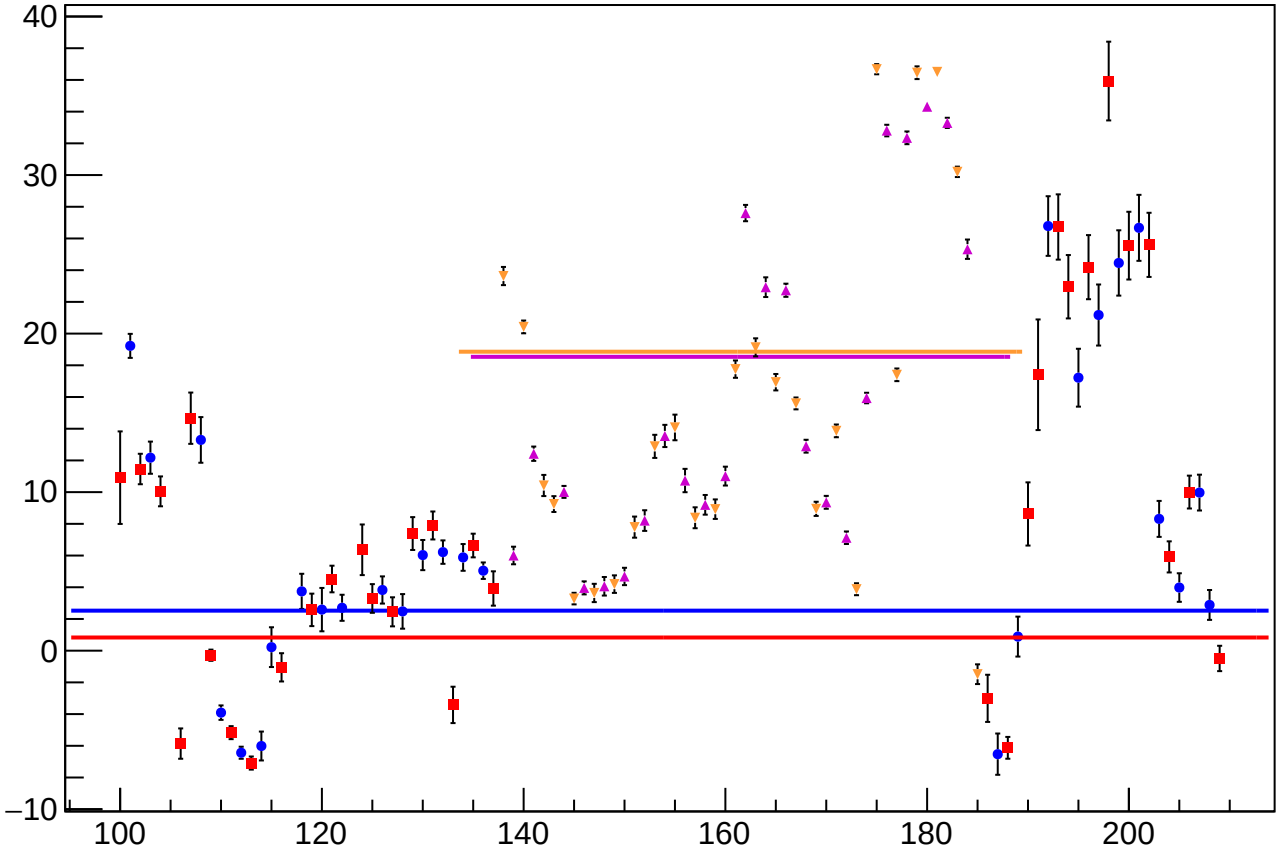
Right: 0.139+/-0.013 χ^2/NDF: 2894.4/58

In: 0.417+/-0.004 χ^2/NDF:1614.9/49

Out: 0.418+/-0.004 χ^2/NDF:2741.3/56

All: 0.418+/-0.003 χ^2/NDF: 4356.2/106

reg_asym_sam_15_48_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 2.525+/-0.166 χ^2/NDF: 2254.1/26

Left Out: 18.858+/-0.090 χ^2/NDF:18374.1/24

Right Out: 0.831+/-0.152 χ^2/NDF: 2330.2/31

Left In: 18.535+/-0.093 χ^2/NDF:14066.0/22

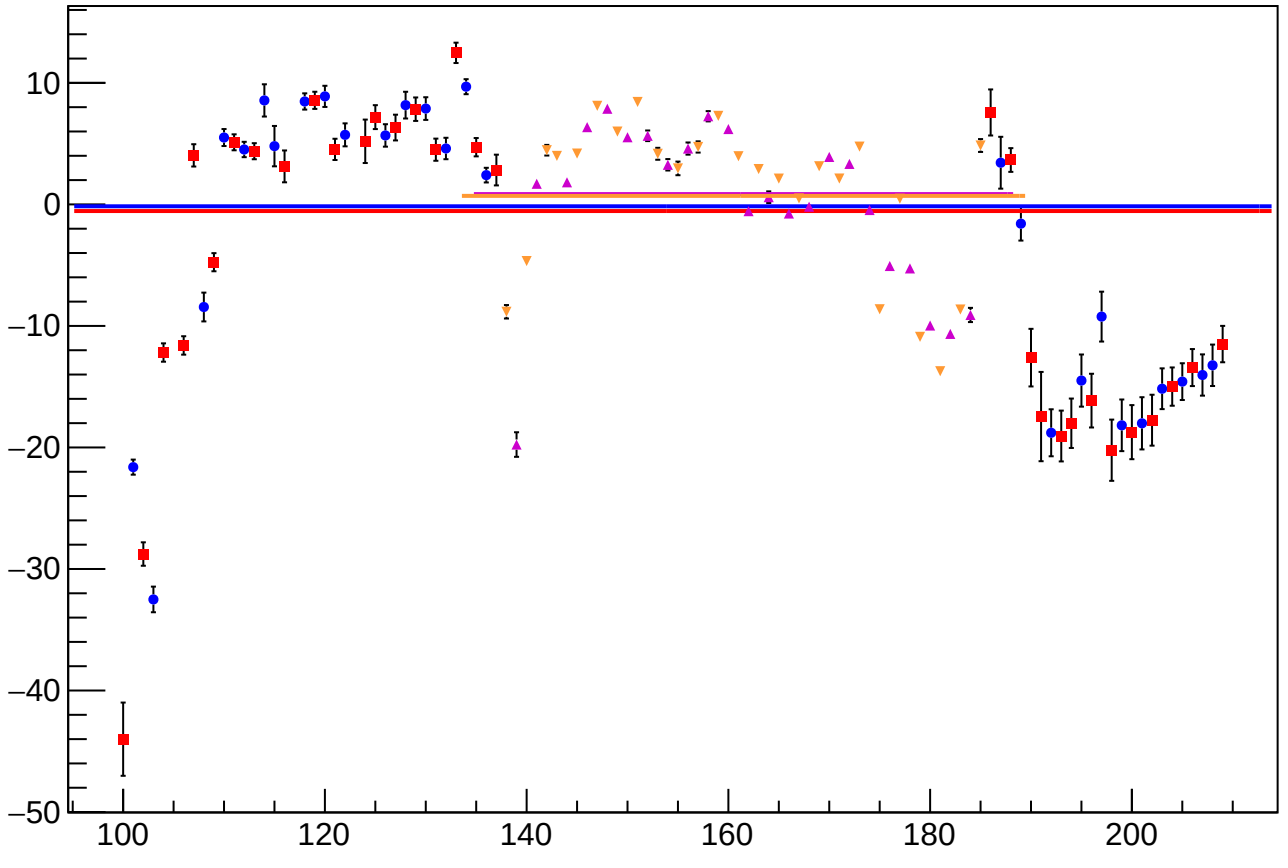
Left: 18.701+/-0.065 χ^2/NDF: 32446.3/47

Right: 1.602+/-0.112 χ^2/NDF: 4641.0/58

In: 14.696+/-0.081 χ^2/NDF:23390.9/49

Out: 14.132+/-0.078 χ^2/NDF:31128.1/56

All: 14.401+/-0.056 χ^2/NDF: 54544.3/106



Right In: -0.156+/-0.191 χ^2/NDF: 3742.2/26

Left Out: 0.702+/-0.071 χ^2/NDF:8237.8/24

Right Out: -0.546+/-0.187 χ^2/NDF: 3118.5/31

Left In: 0.847+/-0.072 χ^2/NDF:6045.4/22

Left: 0.773+/-0.051 χ^2/NDF: 14285.2/47

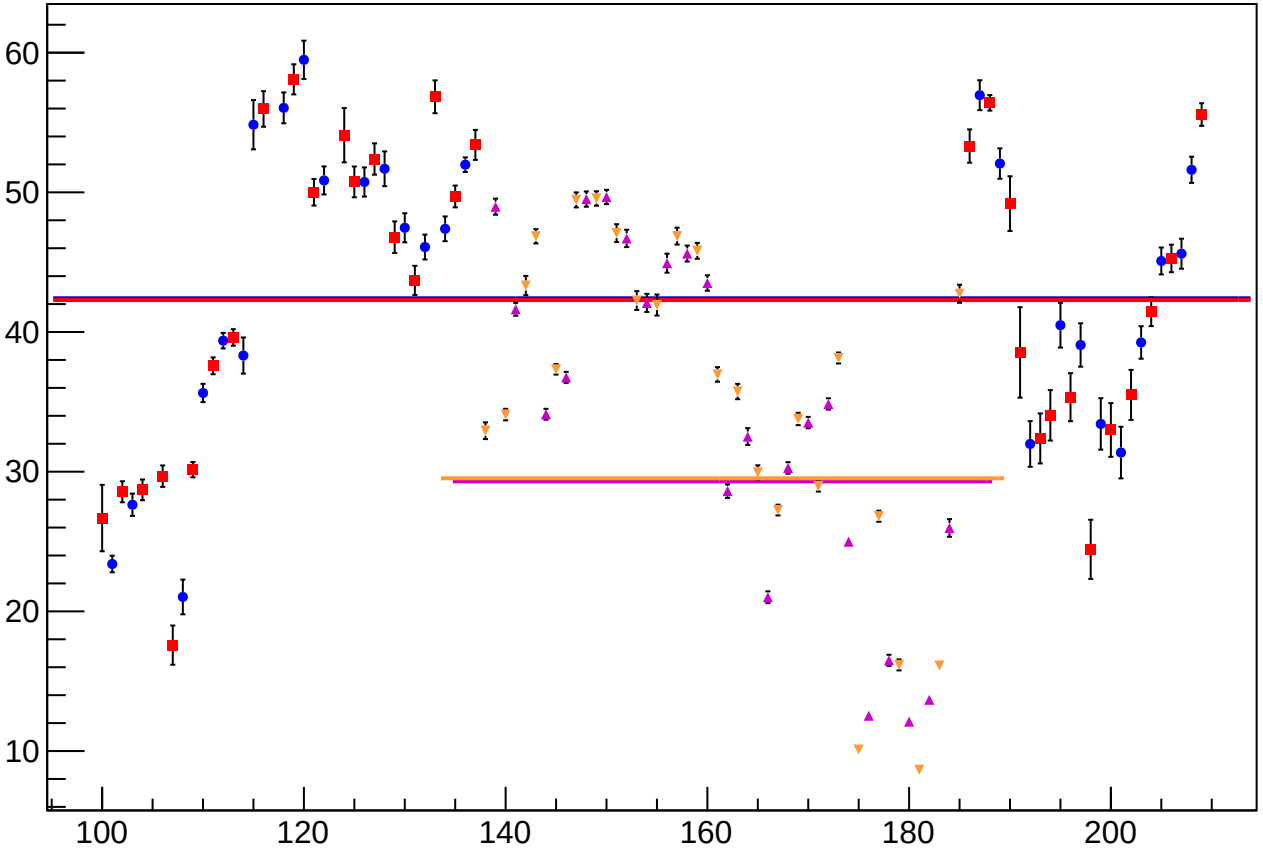
Right: -0.355+/-0.133 χ^2/NDF: 6862.8/58

In: 0.720+/-0.068 χ^2/NDF:9811.8/49

Out: 0.546+/-0.066 χ^2/NDF:11395.3/56

All: 0.631+/-0.047 χ^2/NDF: 21210.5/106

reg_asym_sam_15_48_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 42.415+/-0.183 χ^2/NDF: 3258.7/26

Left Out: 29.526+/-0.091 χ^2/NDF:21083.7/24

Right Out: 42.289+/-0.172 χ^2/NDF: 4006.5/31

Left In: 29.306+/-0.093 χ^2/NDF:17870.3/22

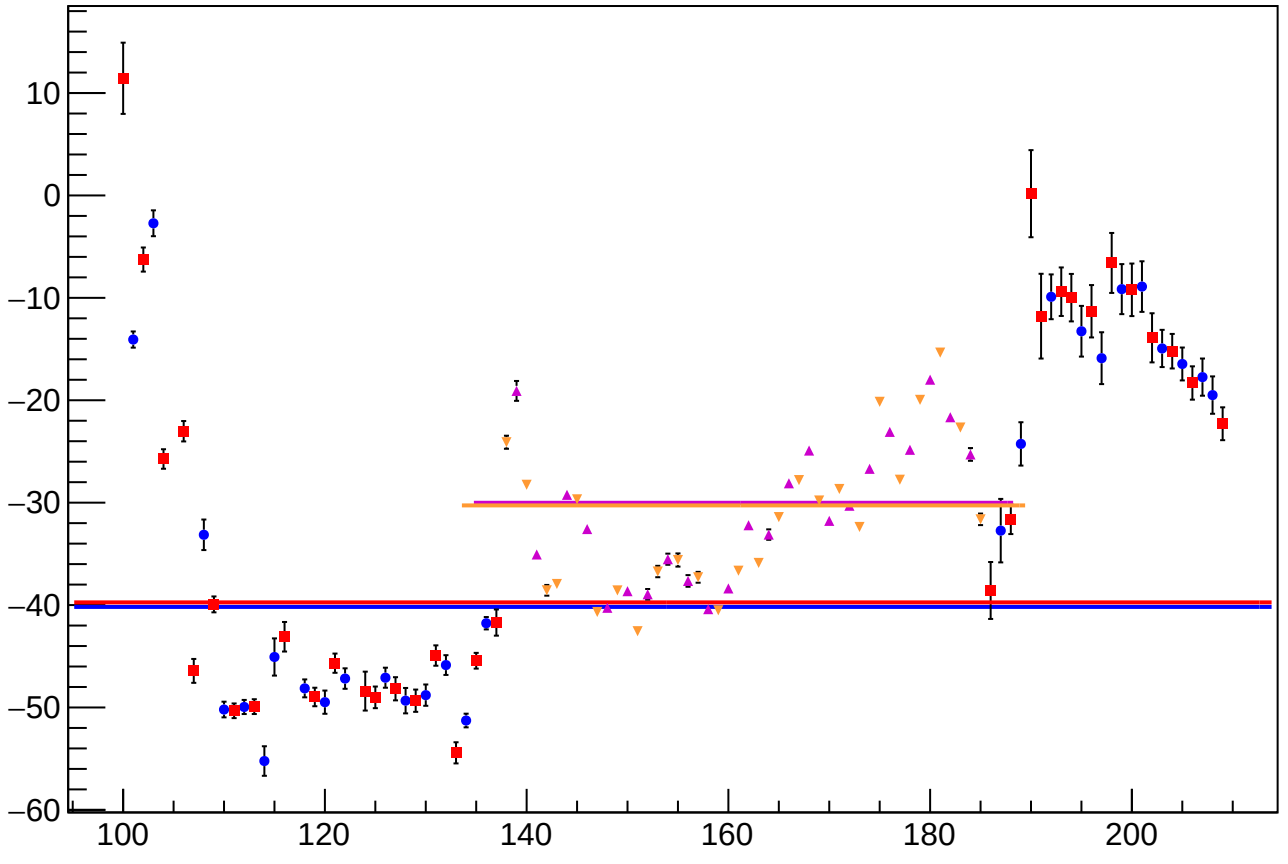
Left: 29.419+/-0.065 χ^2/NDF: 38956.9/47

Right: 42.348+/-0.125 χ^2/NDF: 7265.4/58

In: 31.999+/-0.083 χ^2/NDF:25203.1/49

Out: 32.301+/-0.080 χ^2/NDF:29405.9/56

All: 32.155+/-0.058 χ^2/NDF: 54615.8/106



Right In: -40.181+/-0.216 χ^2/NDF: 4646.8/26

Left Out: -30.268+/-0.079 χ^2/NDF:8500.0/24

Right Out: -39.738+/-0.214 χ^2/NDF: 4147.3/31

Left In: -30.012+/-0.081 χ^2/NDF:6083.1/22

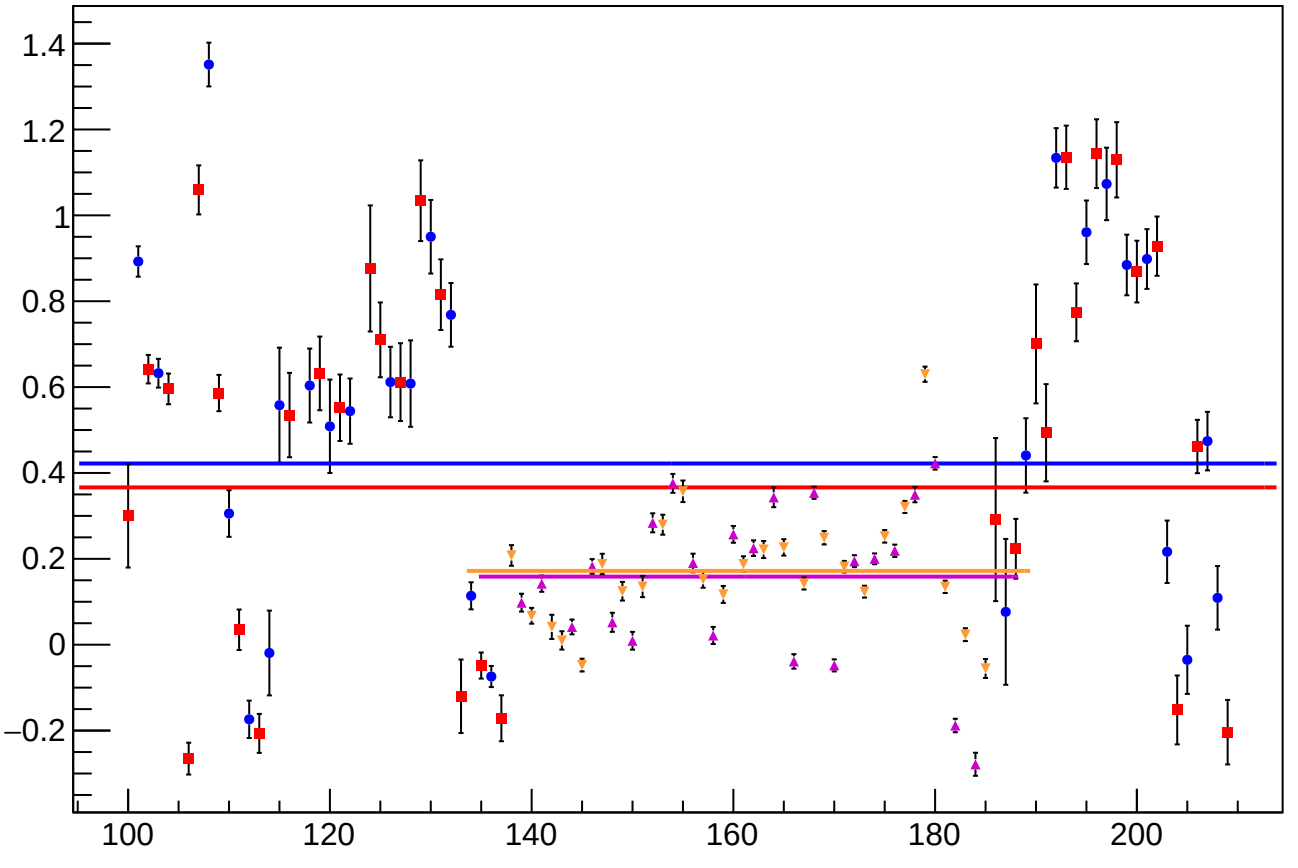
Left: -30.143+/-0.057 χ^2/NDF: 14588.2/47

Right: -39.958+/-0.152 χ^2/NDF: 8796.2/58

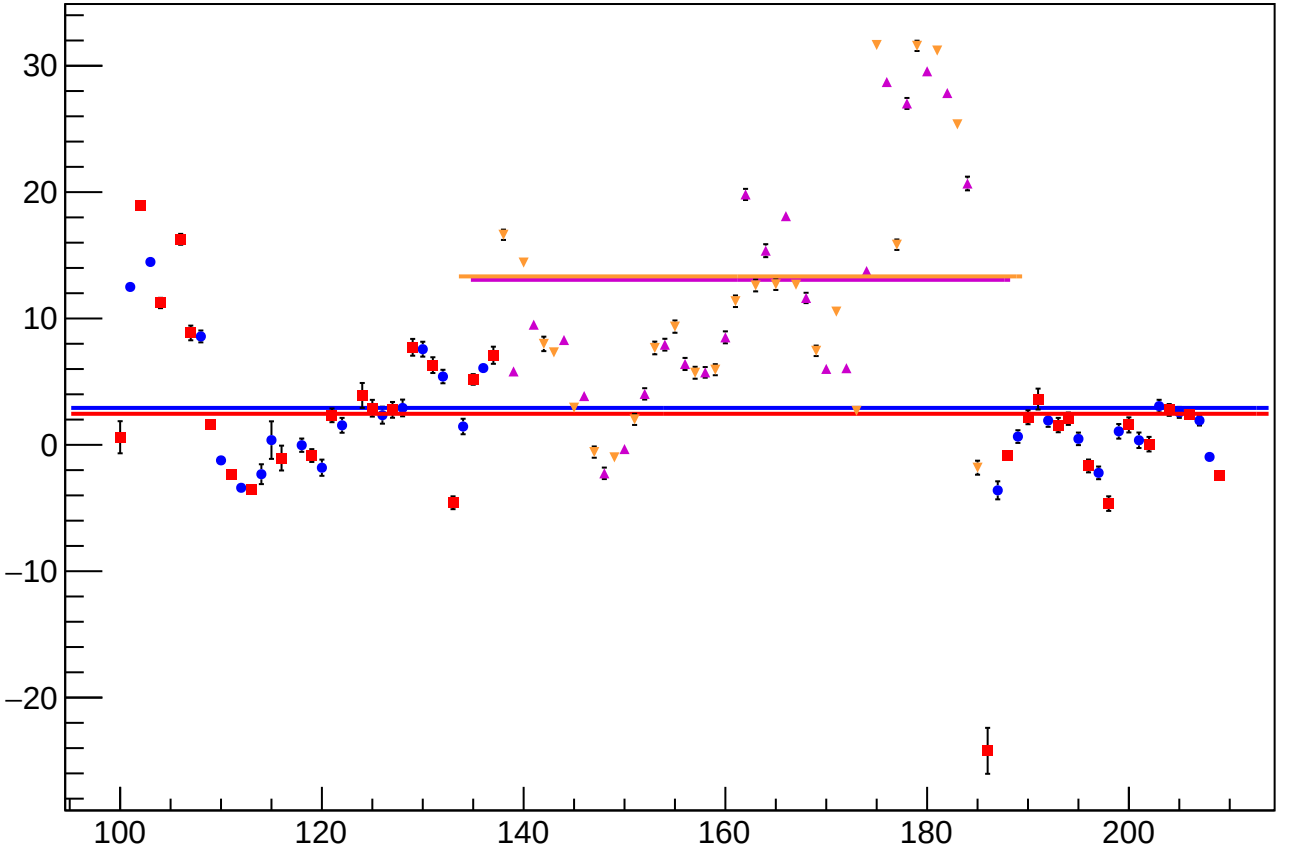
In: -31.277+/-0.076 χ^2/NDF:12676.2/49

Out: -31.411+/-0.074 χ^2/NDF:14371.4/56

All: -31.346+/-0.053 χ^2/NDF: 27049.2/106


reg_asym_sam_15_48_dd_diff_bpm12X_slope vs Slug, Sign Corrected
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−0.2
100
120
140
160
180
200
Right In: 0.422+/-0.011 χ²/NDF: 1712.2/26
Left Out: 0.172+/-0.004 χ²/NDF:1501.3/24
Right Out: 0.366+/-0.011 χ²/NDF: 1780.4/31
Left In: 0.159+/-0.004 χ²/NDF:2187.4/22
Left: 0.165+/-0.003 χ²/NDF: 3695.7/47
Right: 0.394+/-0.008 χ²/NDF: 3506.0/58
In: 0.185+/-0.003 χ²/NDF:4433.9/49
Out: 0.192+/-0.003 χ²/NDF:3583.5/56
All: 0.188+/-0.002 χ²/NDF: 8019.0/106

reg_asym_sam_37_48_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 2.924+/-0.091 χ^2/NDF: 3194.5/26

Left Out: 13.331+/-0.077 χ^2/NDF:19432.7/24

Right Out: 2.458+/-0.083 χ^2/NDF: 5380.9/31

Left In: 13.061+/-0.079 χ^2/NDF:15559.8/22

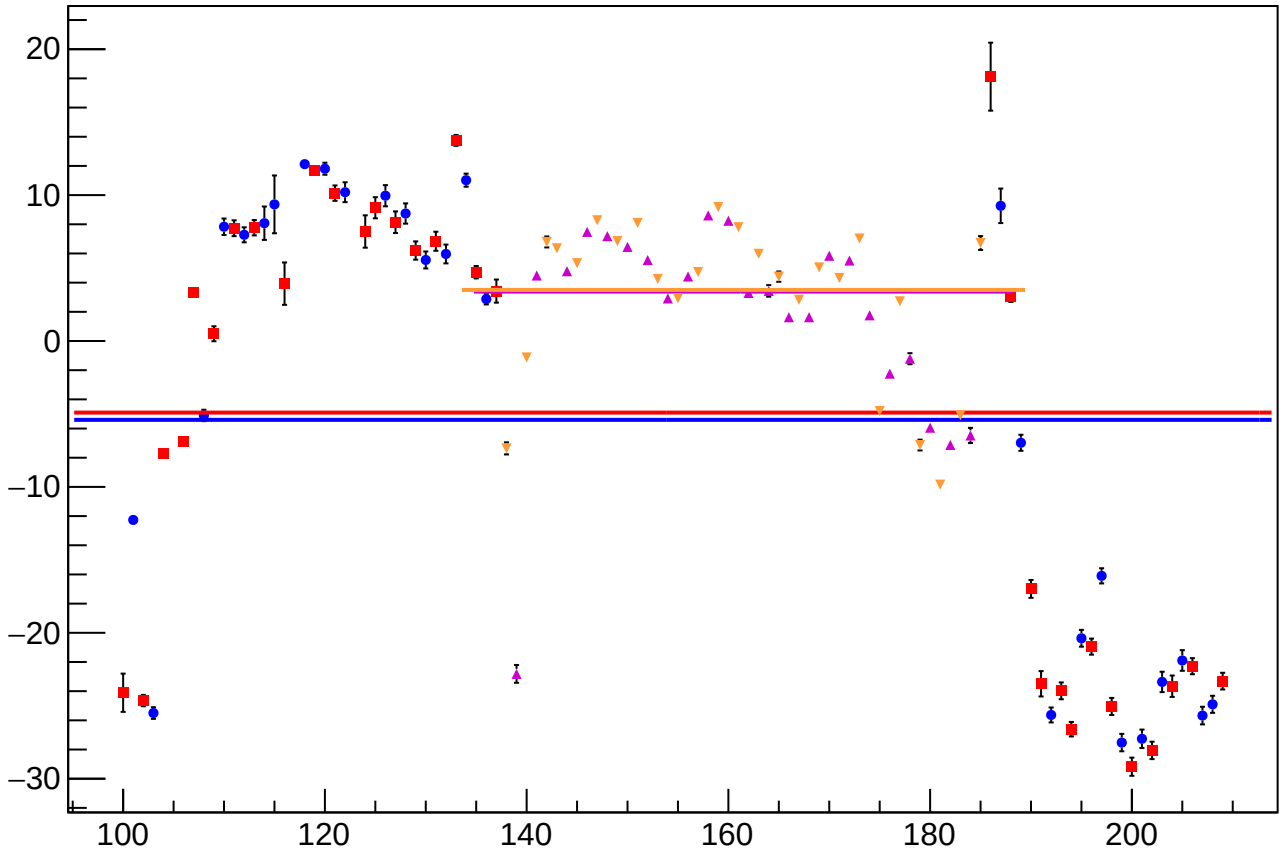
Left: 13.200+/-0.055 χ^2/NDF: 34998.5/47

Right: 2.669+/-0.061 χ^2/NDF: 8589.8/58

In: 8.677+/-0.060 χ^2/NDF:25818.1/49

Out: 8.295+/-0.056 χ^2/NDF:34103.3/56

All: 8.475+/-0.041 χ^2/NDF: 59943.0/106



Right In: -5.404+/-0.098 χ^2/NDF: 22064.3/26

Left Out: 3.502+/-0.059 χ^2/NDF:7911.7/24

Right Out: -4.906+/-0.092 χ^2/NDF: 24838.7/31

Left In: 3.385+/-0.061 χ^2/NDF:6707.6/22

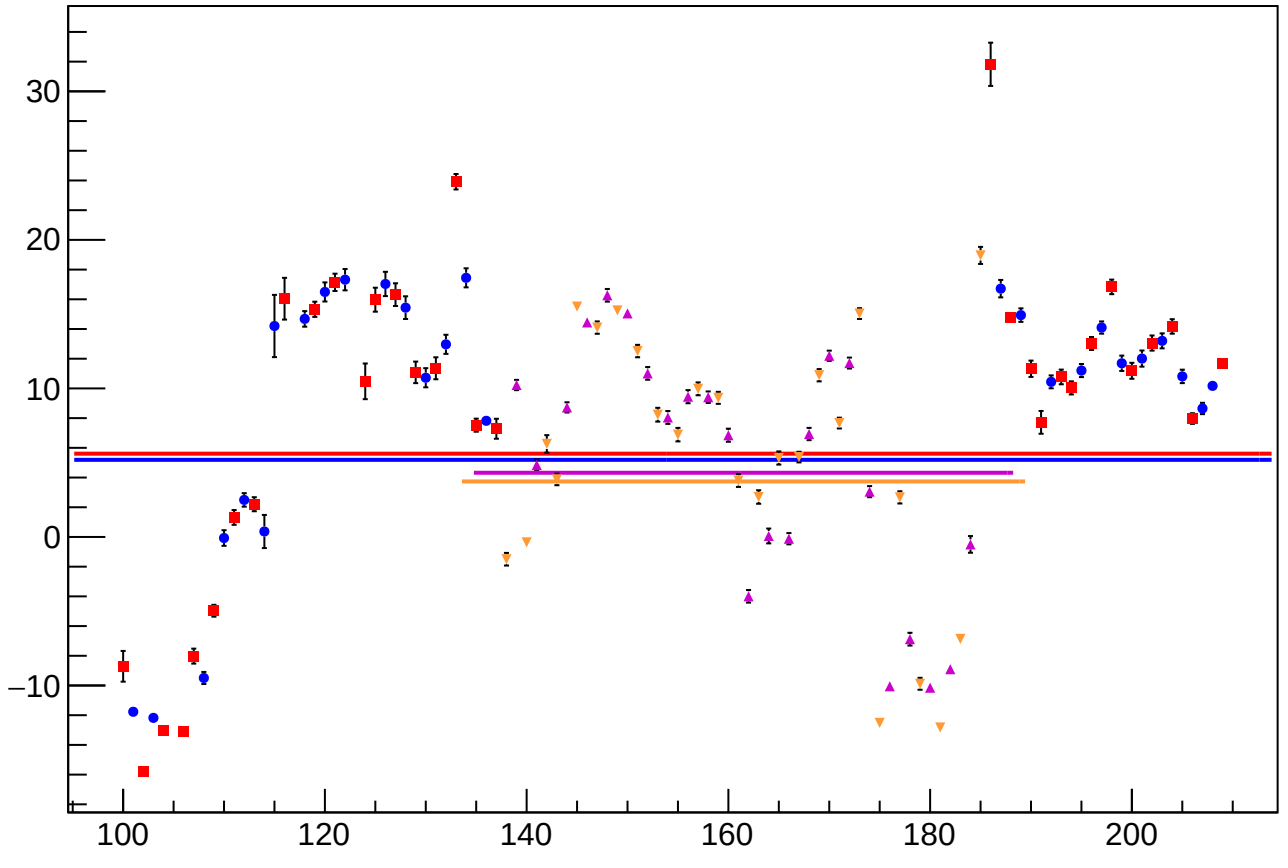
Left: 3.446+/-0.042 χ^2/NDF: 14621.2/47

Right: -5.138+/-0.067 χ^2/NDF: 46916.7/58

In: 0.933+/-0.052 χ^2/NDF:34561.6/49

Out: 1.064+/-0.049 χ^2/NDF:38729.0/56

All: 1.002+/-0.036 χ^2/NDF: 73294.0/106



Right In: 5.193+/-0.089 χ^2/NDF: 13868.1/26

Left Out: 3.738+/-0.076 χ^2/NDF:15586.7/24

Right Out: 5.607+/-0.081 χ^2/NDF: 20388.6/31

Left In: 4.322+/-0.079 χ^2/NDF:12483.3/22

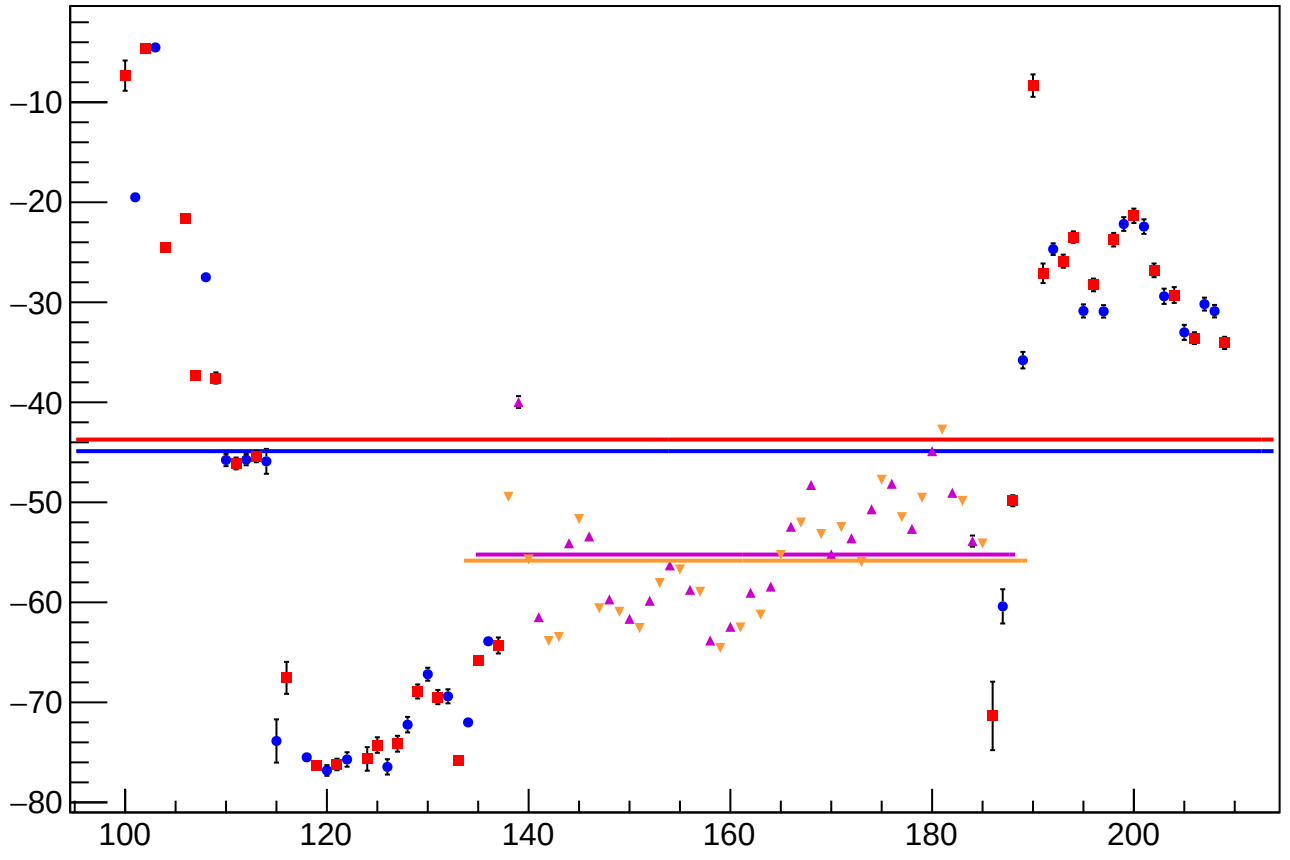
Left: 4.022+/-0.055 χ^2/NDF: 28098.5/47

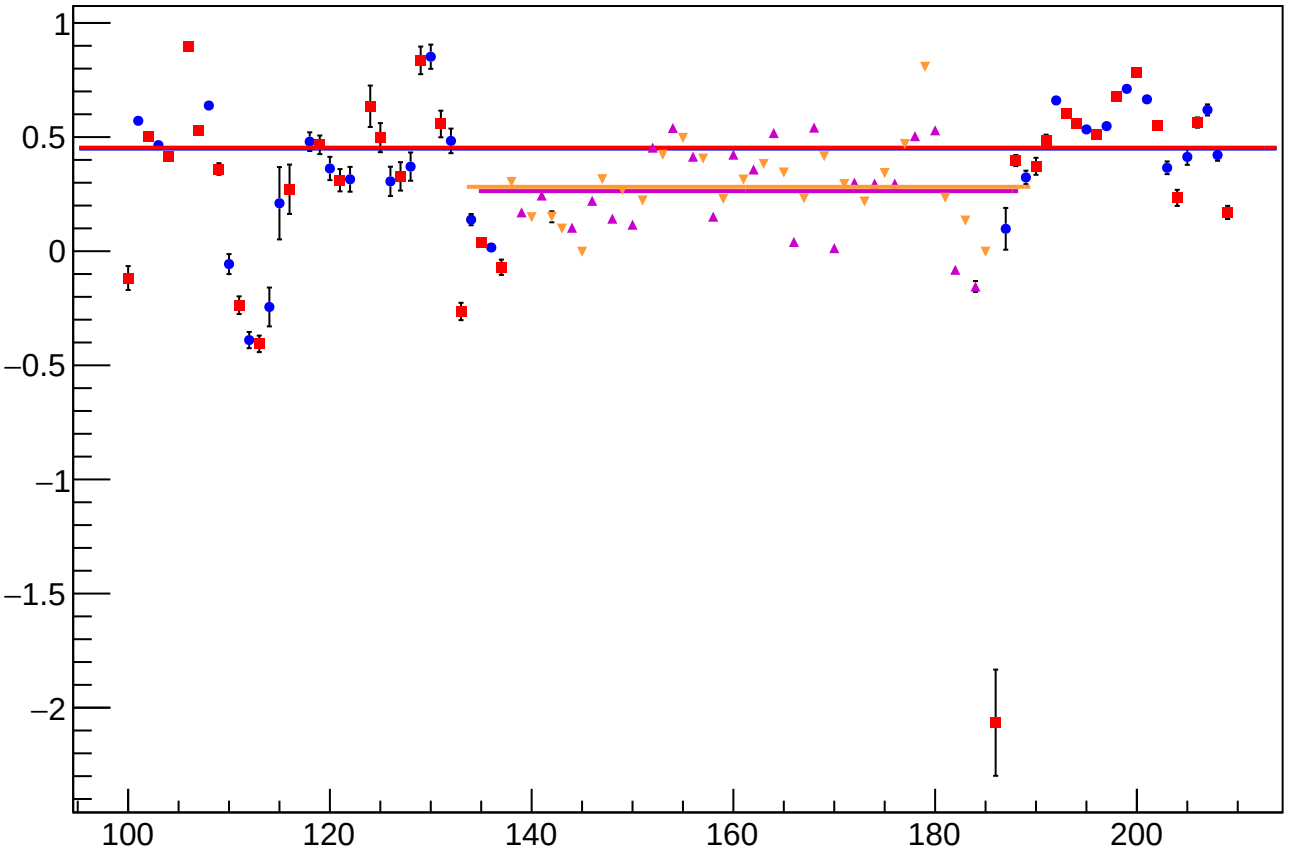
Right: 5.419+/-0.060 χ^2/NDF: 34268.5/58

In: 4.704+/-0.059 χ^2/NDF:26405.2/49

Out: 4.617+/-0.056 χ^2/NDF:36256.9/56

All: 4.658+/-0.040 χ^2/NDF: 62663.2/106


reg_asym_sam_37_48_dd_diff_bpm4eY_slope vs Slug, Sign Corrected
−10
−20
−30
−40
−50
−60
−70
−80
100
120
140
160
180
200
Right In: -44.882+/-0.114 χ²/NDF: 42055.3/26
Left Out: -55.832+/-0.066 χ²/NDF:7592.5/24
Right Out: -43.723+/-0.108 χ²/NDF: 43596.4/31
Left In: -55.222+/-0.069 χ²/NDF:6343.0/22
Left: -55.538+/-0.048 χ²/NDF: 13976.2/47
Right: -44.271+/-0.079 χ²/NDF: 85705.7/58
In: -52.483+/-0.059 χ²/NDF:54397.8/49
Out: -52.532+/-0.057 χ²/NDF:60268.8/56
All: -52.508+/-0.041 χ²/NDF: 114667.0/106



Right In: 0.450+/-0.005 χ^2/NDF: 2607.7/26

Left Out: 0.282+/-0.003 χ^2/NDF:2712.4/24

Right Out: 0.454+/-0.004 χ^2/NDF: 3749.5/31

Left In: 0.263+/-0.003 χ^2/NDF:3835.8/22

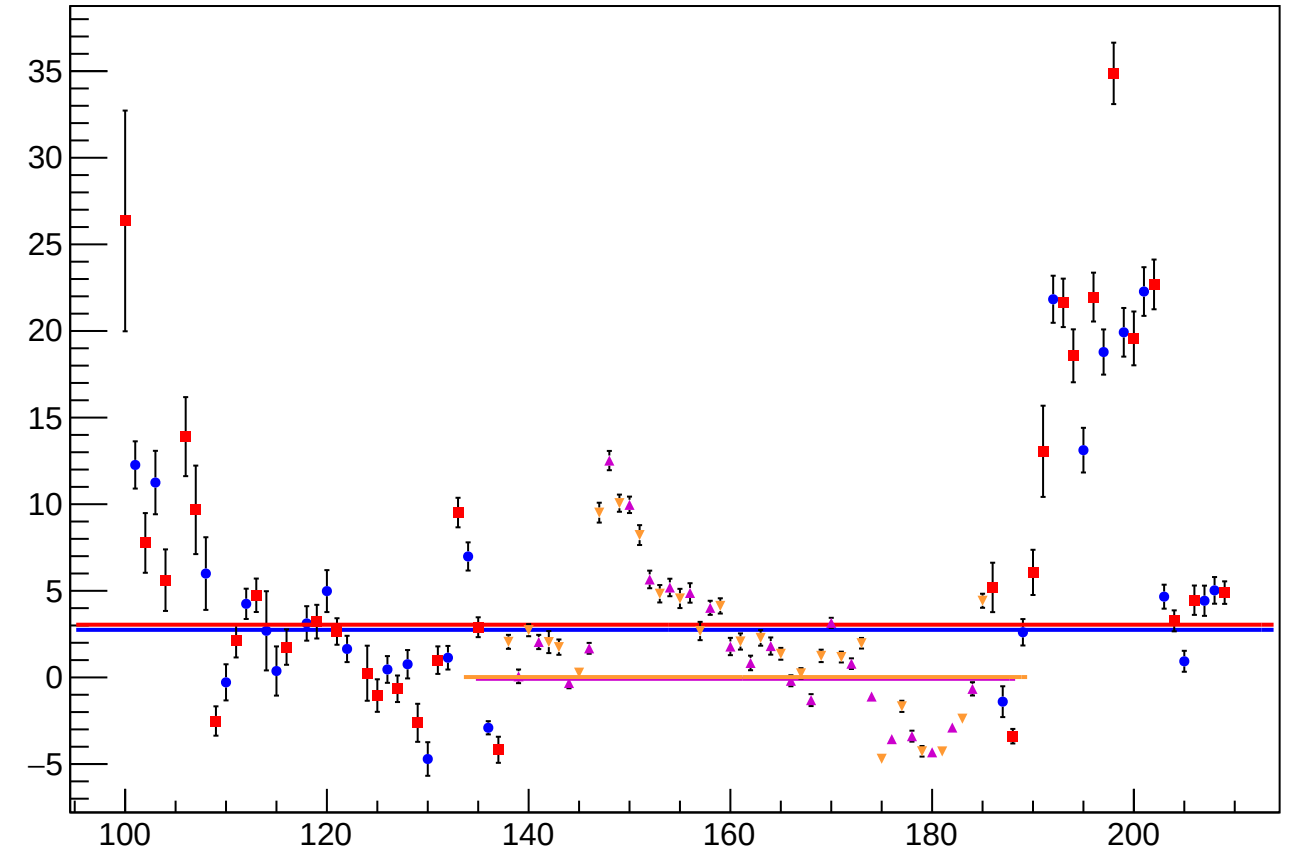
Left: 0.273+/-0.002 χ^2/NDF: 6568.0/47

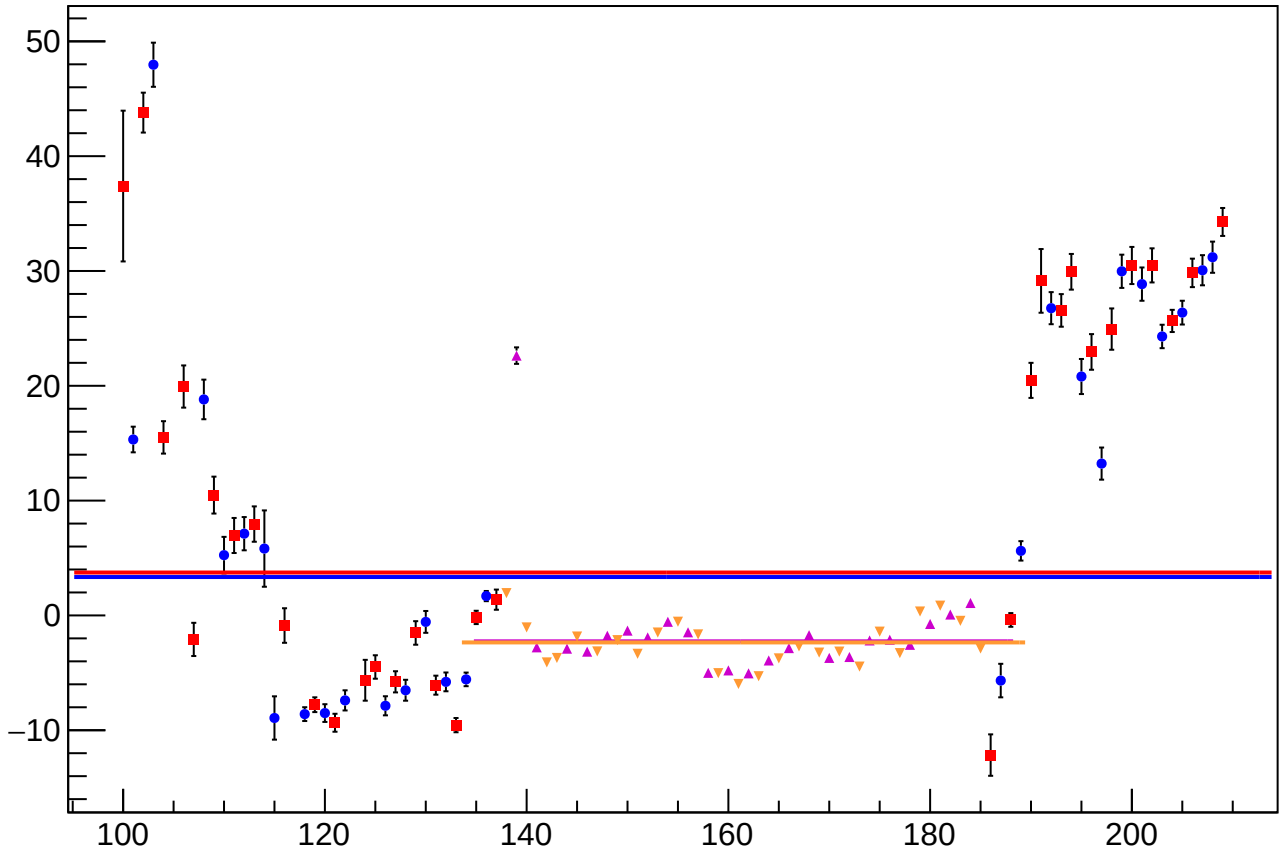
Right: 0.452+/-0.003 χ^2/NDF: 6357.6/58

In: 0.317+/-0.003 χ^2/NDF:7539.3/49

Out: 0.335+/-0.002 χ^2/NDF:7489.8/56

All: 0.327+/-0.002 χ^2/NDF: 15054.7/106


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
Right In: 2.747+/-0.167 χ²/NDF: 1225.2/26
Left Out: 0.022+/-0.069 χ²/NDF:2759.3/24
Right Out: 3.044+/-0.166 χ²/NDF: 1680.2/31
Left In: -0.080+/-0.071 χ²/NDF:2464.5/22
Left: -0.027+/-0.049 χ²/NDF: 5224.9/47
Right: 2.896+/-0.118 χ²/NDF: 2906.9/58
In: 0.348+/-0.065 χ²/NDF:3931.8/49
Out: 0.461+/-0.063 χ²/NDF:4721.9/56
All: 0.406+/-0.045 χ²/NDF: 8655.2/106



Right In: 3.344+/-0.186 χ^2/NDF: 5153.5/26

Left Out: -2.352+/-0.055 χ^2/NDF:1125.6/24

Right Out: 3.737+/-0.190 χ^2/NDF: 5585.9/31

Left In: -2.257+/-0.056 χ^2/NDF:1877.2/22

Left: -2.306+/-0.039 χ^2/NDF: 3004.4/47

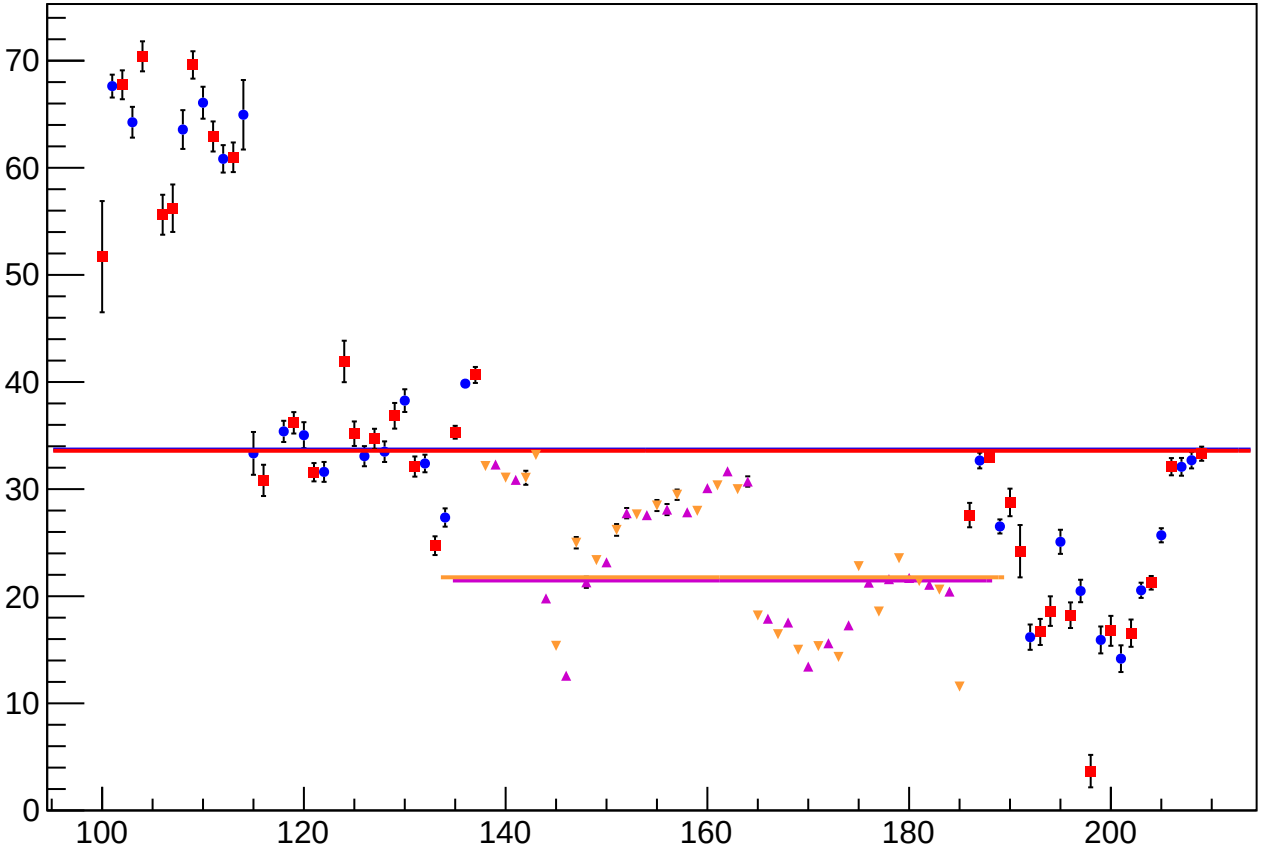
Right: 3.536+/-0.133 χ^2/NDF: 10741.5/58

In: -1.786+/-0.054 χ^2/NDF:7859.9/49

Out: -1.881+/-0.053 χ^2/NDF:7656.4/56

All: -1.835+/-0.038 χ^2/NDF: 15517.8/106

reg_asym_sam_15_26_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 33.693+/-0.172 χ^2/NDF: 4586.8/26

Left Out: 21.768+/-0.069 χ^2/NDF:6814.2/24

Right Out: 33.583+/-0.167 χ^2/NDF: 5088.8/31

Left In: 21.472+/-0.071 χ^2/NDF:5787.4/22

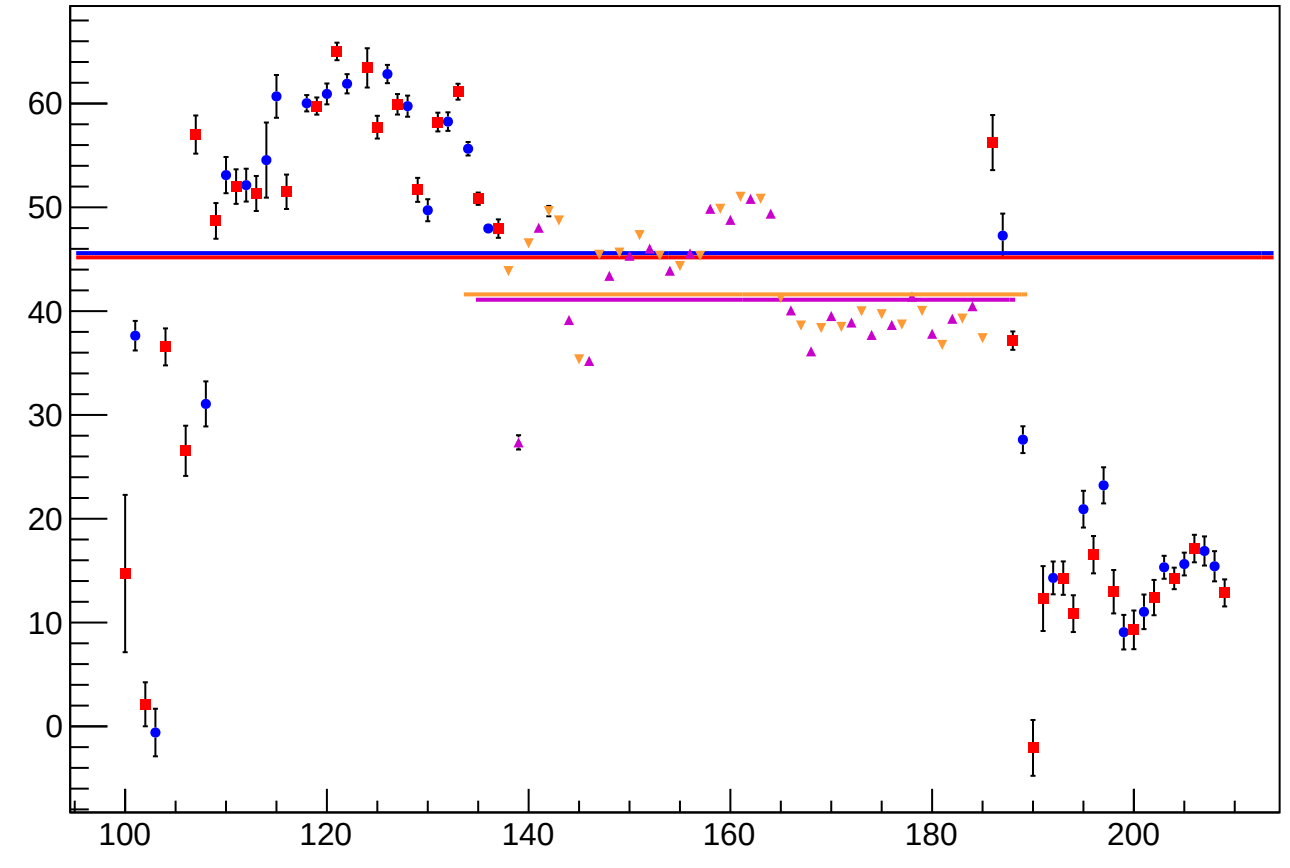
Left: 21.623+/-0.049 χ^2/NDF: 12610.6/47

Right: 33.636+/-0.120 χ^2/NDF: 9675.7/58

In: 23.243+/-0.065 χ^2/NDF:14714.5/49

Out: 23.491+/-0.064 χ^2/NDF:16196.1/56

All: 23.370+/-0.046 χ^2/NDF: 30918.1/106



Right In: 45.590+/-0.210 χ^2/NDF: 6717.1/26

Left Out: 41.613+/-0.061 χ^2/NDF:5776.0/24

Right Out: 45.179+/-0.219 χ^2/NDF: 7133.5/31

Left In: 41.098+/-0.063 χ^2/NDF:5478.0/22

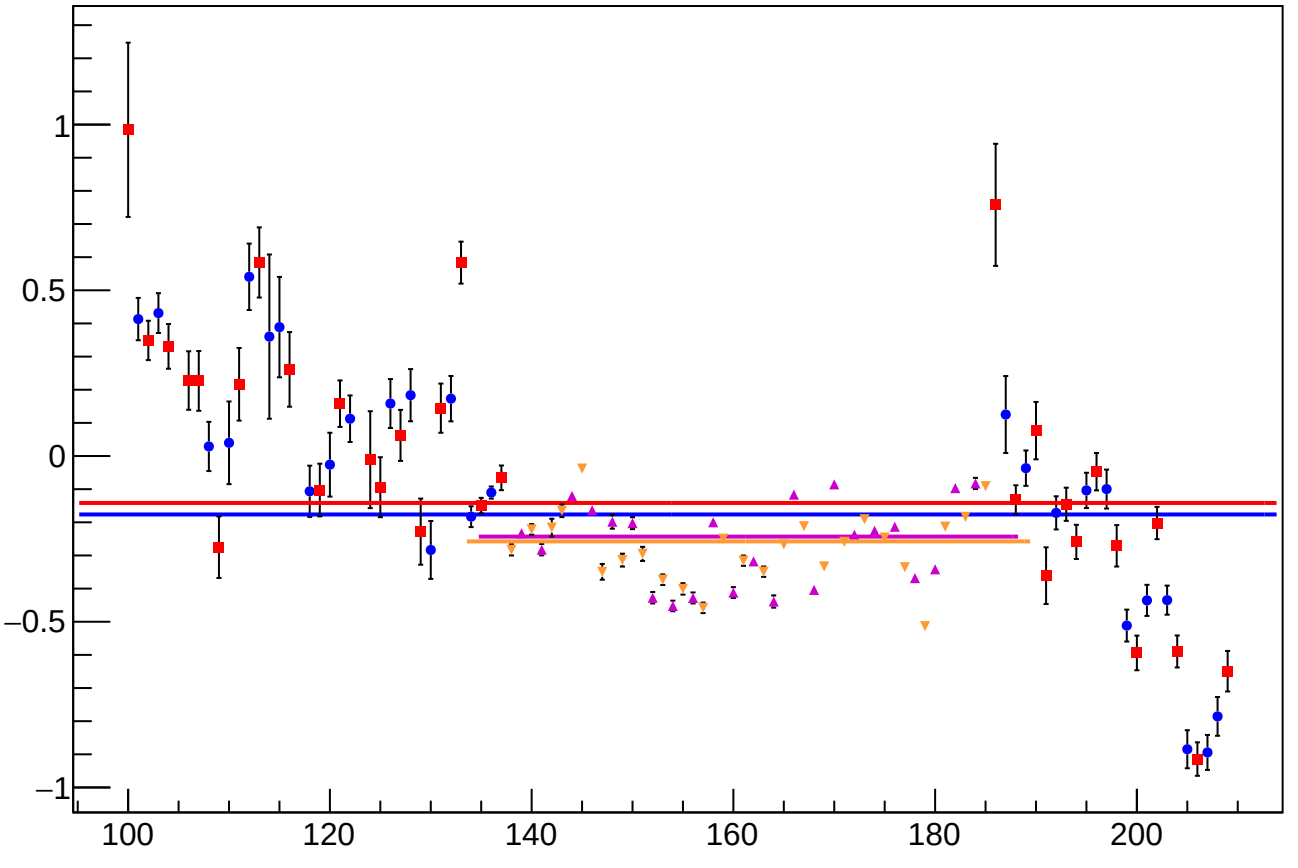
Left: 41.361+/-0.044 χ^2/NDF: 11288.6/47

Right: 45.393+/-0.151 χ^2/NDF: 13852.5/58

In: 41.466+/-0.060 χ^2/NDF:12616.1/49

Out: 41.872+/-0.059 χ^2/NDF:13155.6/56

All: 41.673+/-0.042 χ^2/NDF: 25795.0/106



Right In: -0.176+/-0.010 χ^2/NDF: 947.2/26

Left Out: -0.258+/-0.003 χ^2/NDF:1515.1/24

Right Out: -0.142+/-0.011 χ^2/NDF: 934.8/31

Left In: -0.243+/-0.003 χ^2/NDF:1811.8/22

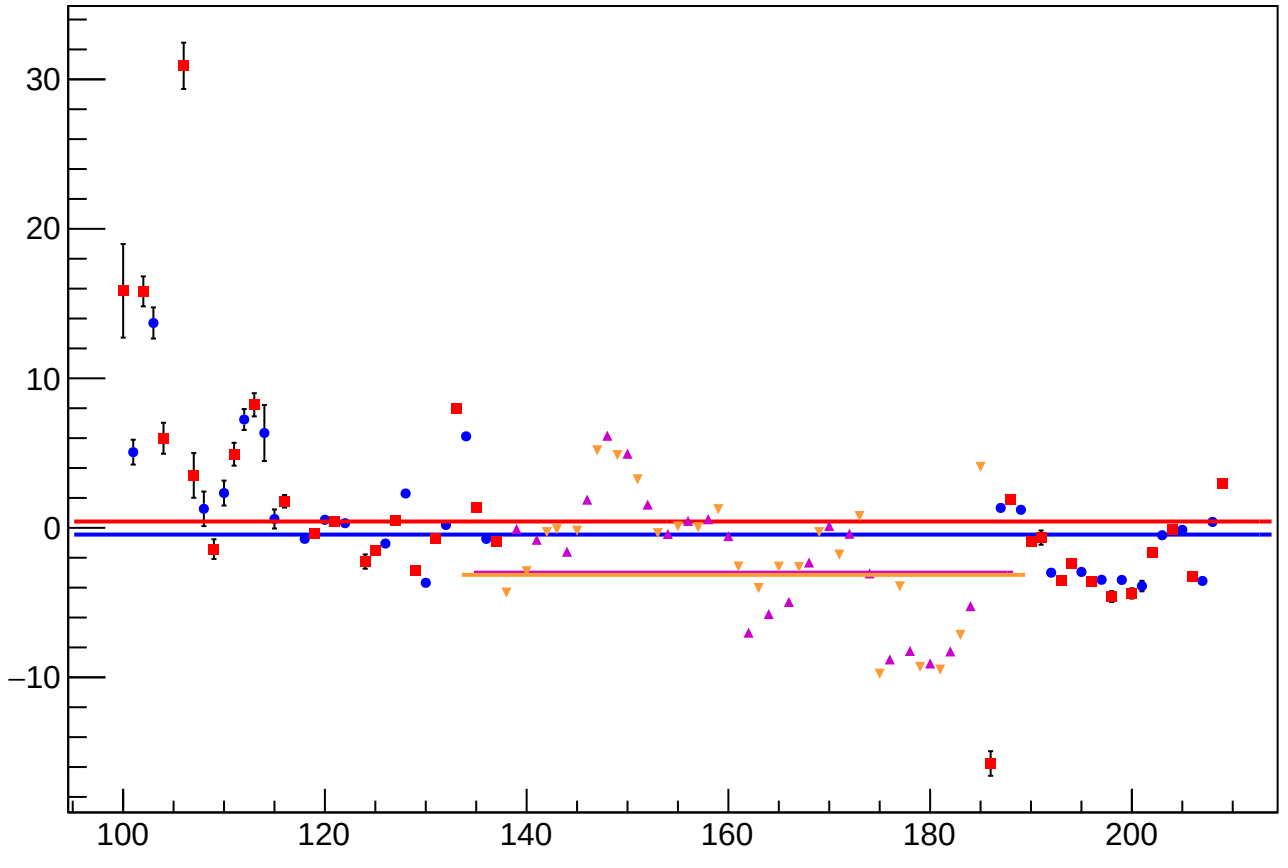
Left: -0.250+/-0.002 χ^2/NDF: 3340.9/47

Right: -0.160+/-0.007 χ^2/NDF: 1887.6/58

In: -0.238+/-0.003 χ^2/NDF:2800.0/49

Out: -0.250+/-0.003 χ^2/NDF:2563.1/56

All: -0.244+/-0.002 χ^2/NDF: 5373.5/106



Right In: -0.451+/-0.052 χ^2/NDF: 1991.6/26

Left Out: -3.144+/-0.028 χ^2/NDF:25358.6/24

Right Out: 0.423+/-0.049 χ^2/NDF: 4710.2/31

Left In: -2.999+/-0.028 χ^2/NDF:22425.0/22

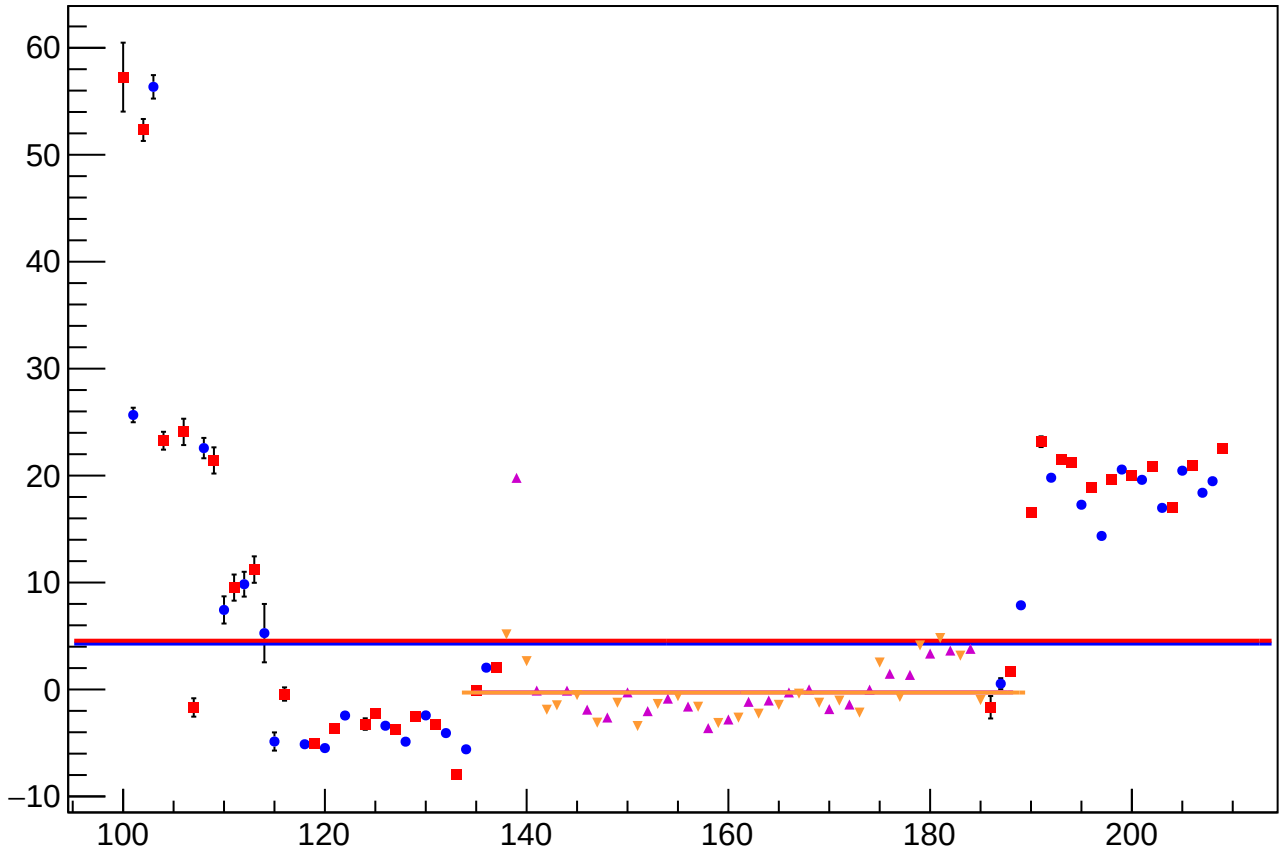
Left: -3.074+/-0.020 χ^2/NDF: 47797.0/47

Right: 0.011+/-0.036 χ^2/NDF: 6852.0/58

In: -2.410+/-0.025 χ^2/NDF:26271.2/49

Out: -2.279+/-0.024 χ^2/NDF:34084.7/56

All: -2.342+/-0.017 χ^2/NDF: 60370.1/106



Right In: 4.294+/-0.056 χ^2/NDF: 36734.6/26

Left Out: -0.288+/-0.022 χ^2/NDF:12198.2/24

Right Out: 4.560+/-0.054 χ^2/NDF: 47214.7/31

Left In: -0.271+/-0.022 χ^2/NDF:13220.8/22

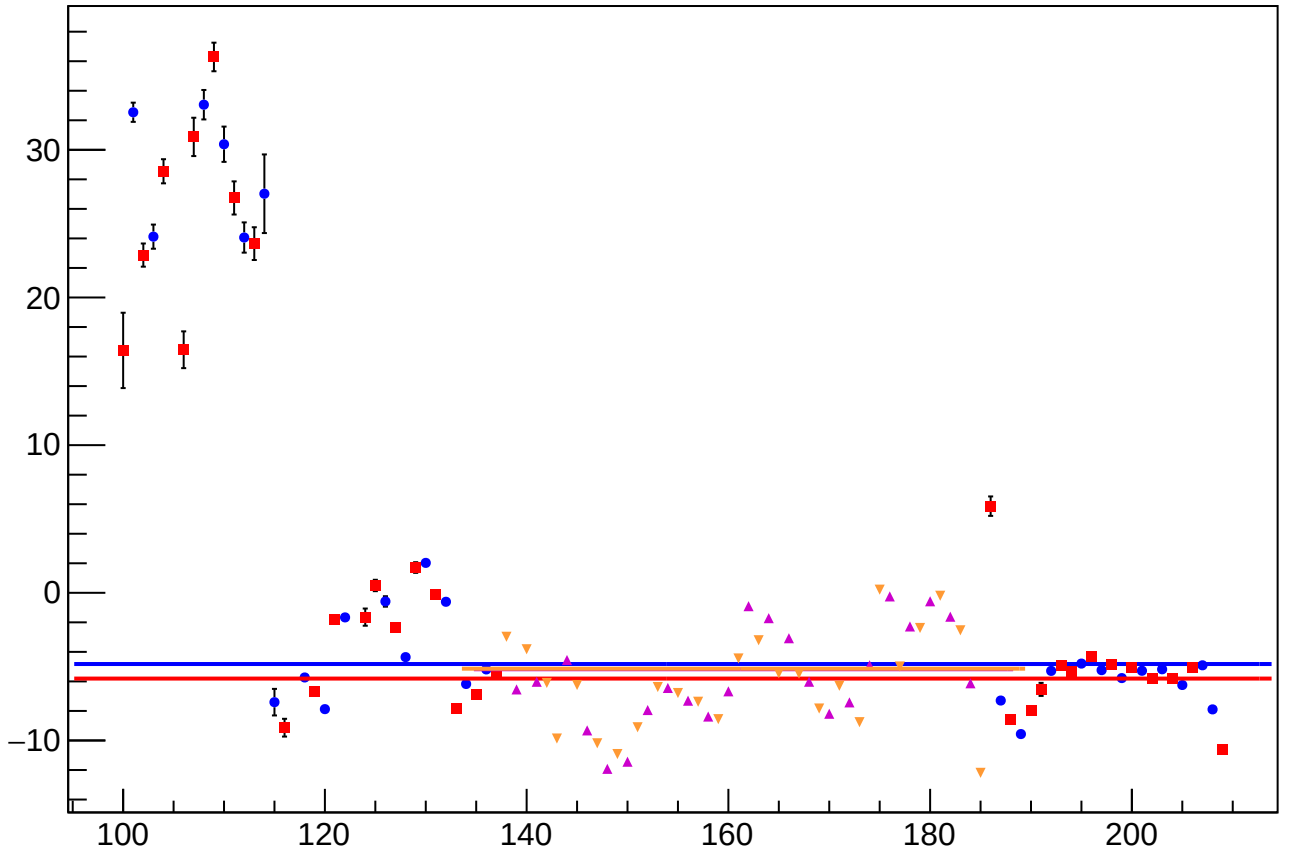
Left: -0.280+/-0.016 χ^2/NDF: 25419.3/47

Right: 4.433+/-0.039 χ^2/NDF: 83960.9/58

In: 0.345+/-0.021 χ^2/NDF:55614.3/49

Out: 0.392+/-0.020 χ^2/NDF:66339.6/56

All: 0.369+/-0.014 χ^2/NDF: 121956.5/106



Right In: -4.822+/-0.052 χ^2/NDF: 9853.2/26

Left Out: -5.138+/-0.028 χ^2/NDF:14626.0/24

Right Out: -5.808+/-0.047 χ^2/NDF: 11502.2/31

Left In: -5.177+/-0.028 χ^2/NDF:13963.7/22

Left: -5.157+/-0.020 χ^2/NDF: 28590.7/47

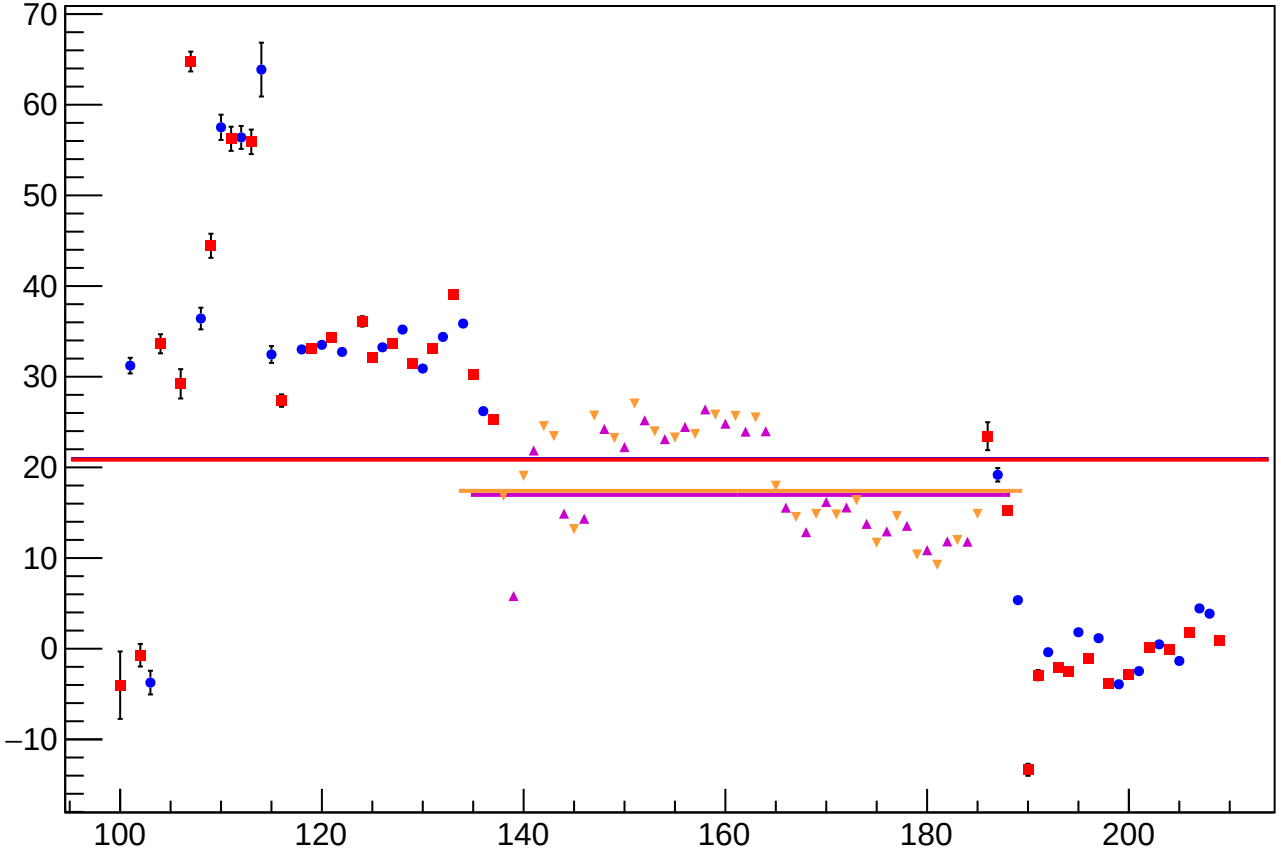
Right: -5.360+/-0.035 χ^2/NDF: 21552.8/58

In: -5.095+/-0.025 χ^2/NDF:23853.0/49

Out: -5.310+/-0.024 χ^2/NDF:26277.4/56

All: -5.207+/-0.017 χ^2/NDF: 50169.0/106

reg_asym_sam_37_26_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 20.920+/-0.065 χ^2/NDF: 56152.3/26

Left Out: 17.409+/-0.024 χ^2/NDF:50630.8/24

Right Out: 20.852+/-0.063 χ^2/NDF: 71597.1/31

Left In: 16.967+/-0.025 χ^2/NDF:39939.4/22

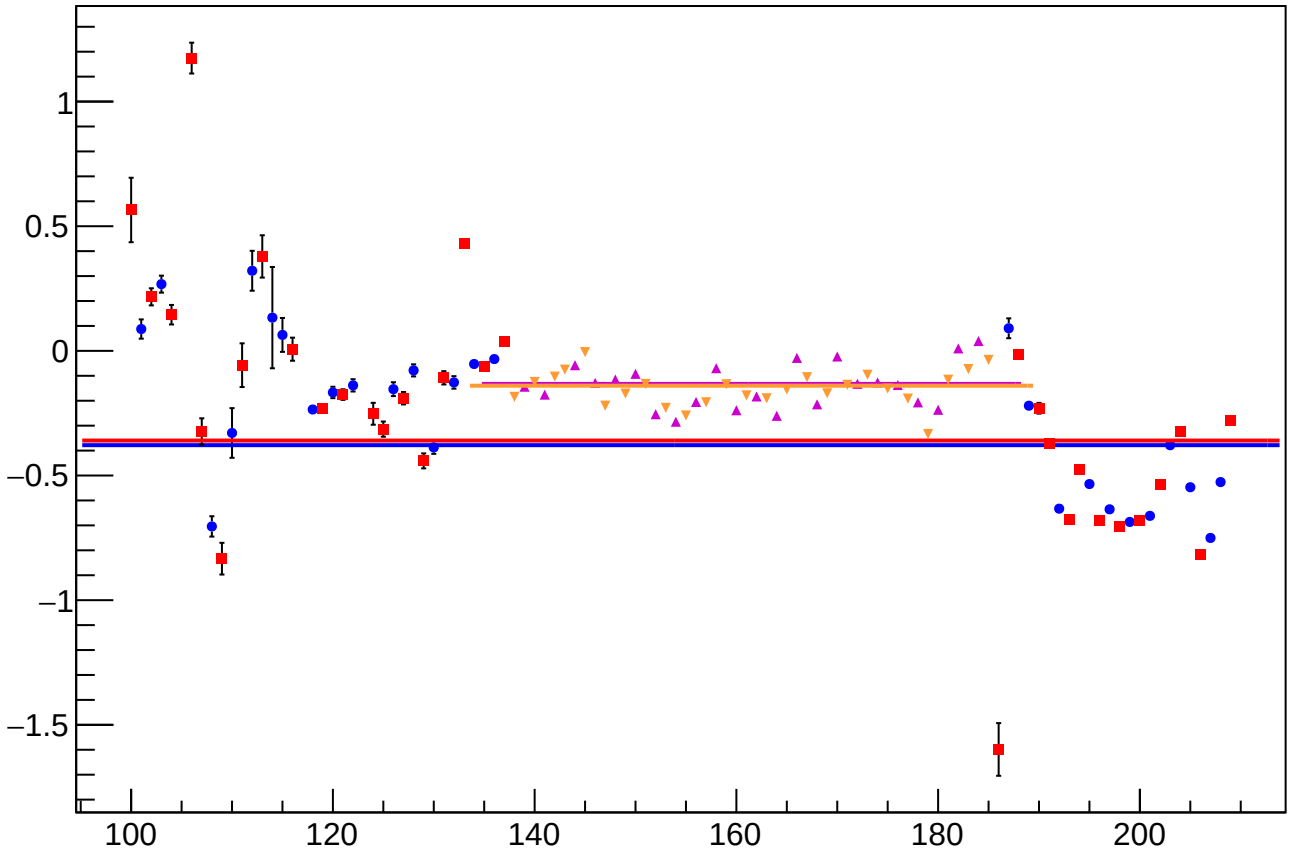
Left: 17.193+/-0.017 χ^2/NDF: 90729.6/47

Right: 20.885+/-0.045 χ^2/NDF: 127749.9/58

In: 17.478+/-0.023 χ^2/NDF:99318.3/49

Out: 17.858+/-0.023 χ^2/NDF:124813.9/56

All: 17.672+/-0.016 χ^2/NDF: 224267.9/106



Right In: -0.378+/-0.003 χ^2/NDF: 8381.6/26

Left Out: -0.140+/-0.001 χ^2/NDF:4108.2/24

Right Out: -0.360+/-0.003 χ^2/NDF: 12770.9/31

Left In: -0.133+/-0.001 χ^2/NDF:5529.7/22

Left: -0.136+/-0.001 χ^2/NDF: 9659.1/47

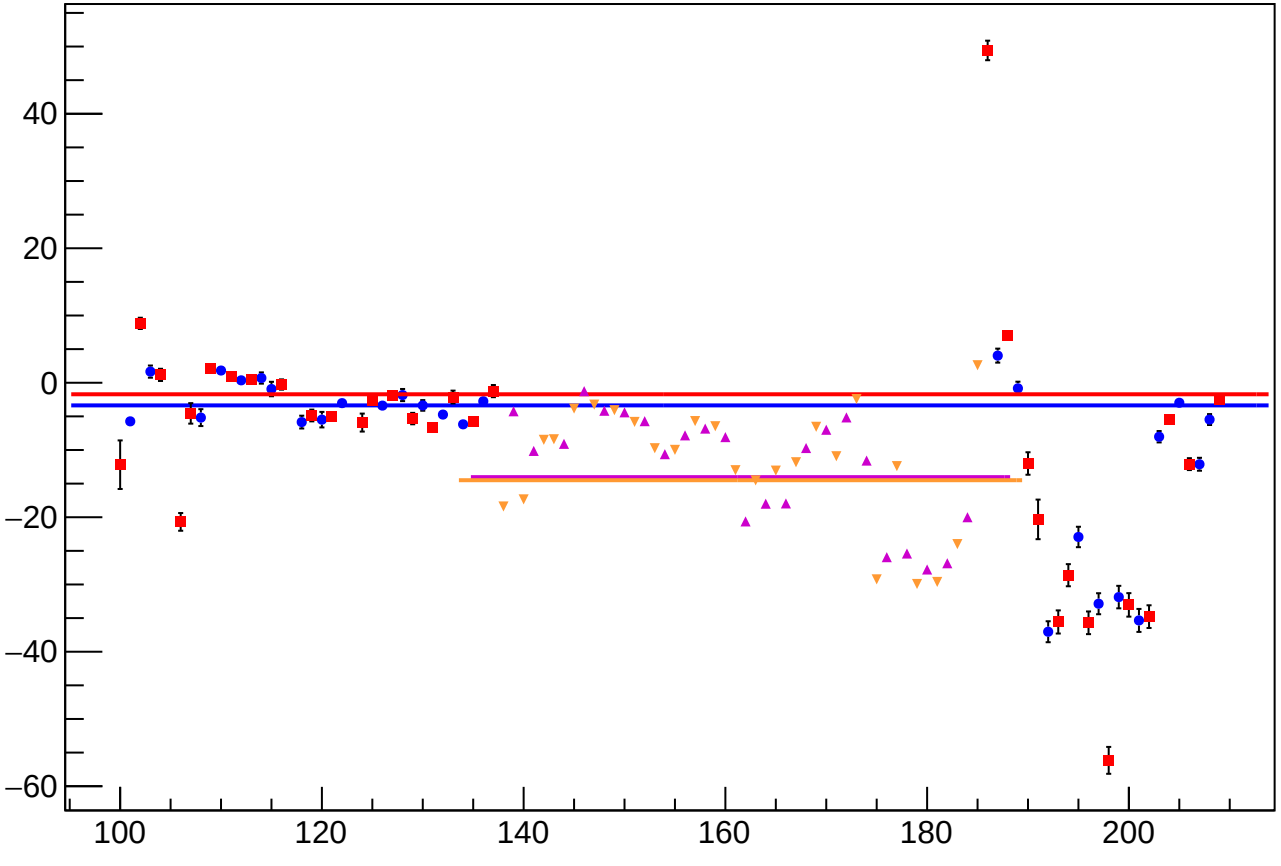
Right: -0.369+/-0.002 χ^2/NDF: 21172.5/58

In: -0.162+/-0.001 χ^2/NDF:19892.8/49

Out: -0.167+/-0.001 χ^2/NDF:22001.2/56

All: -0.165+/-0.001 χ^2/NDF: 41905.0/106

reg_asym_sam_1357_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -3.367+/-0.141 χ^2/NDF: 2206.5/26

Left Out: -14.494+/-0.075 χ^2/NDF:17232.7/24

Right Out: -1.713+/-0.132 χ^2/NDF: 5033.9/31

Left In: -14.038+/-0.077 χ^2/NDF:13482.5/22

Left: -14.272+/-0.054 χ^2/NDF: 30733.3/47

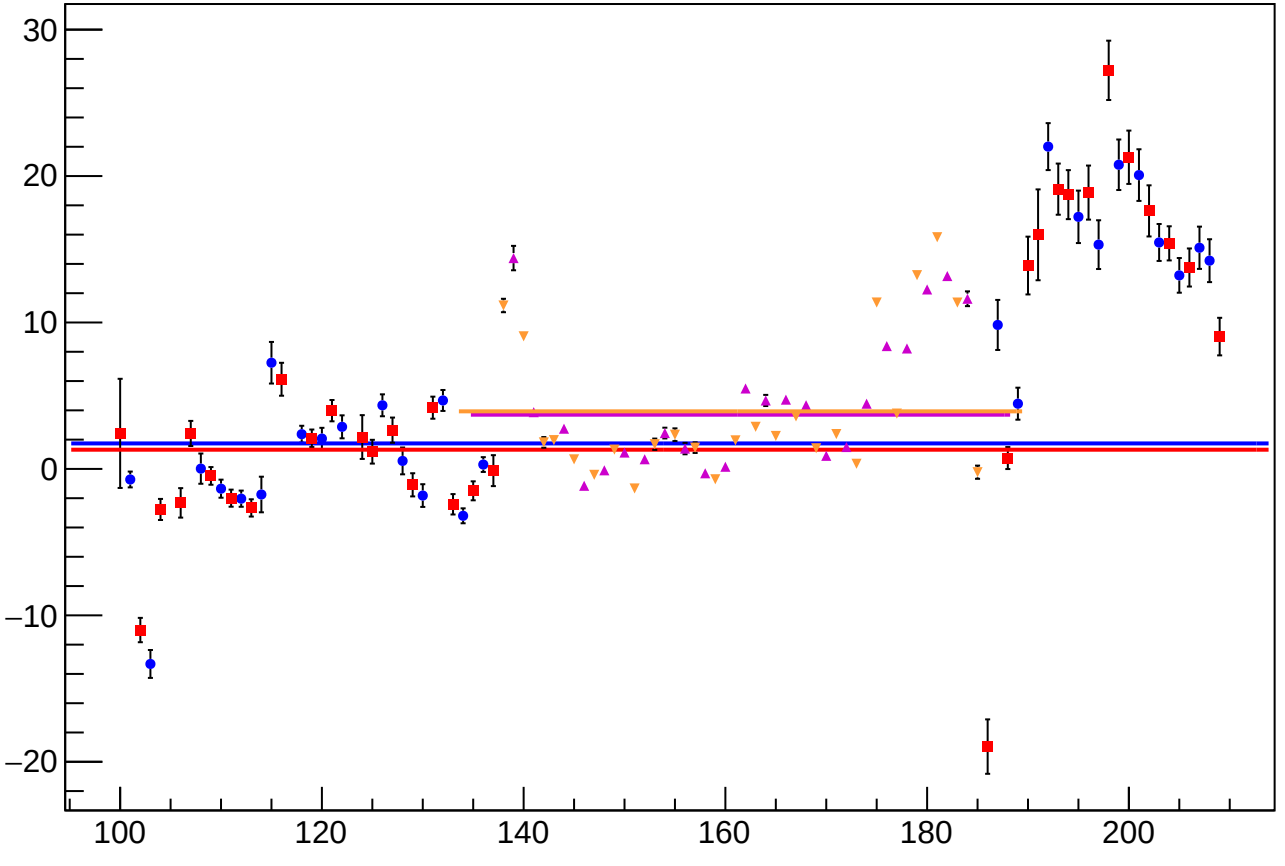
Right: -2.488+/-0.096 χ^2/NDF: 7313.8/58

In: -11.590+/-0.067 χ^2/NDF:20116.4/49

Out: -11.396+/-0.065 χ^2/NDF:29350.8/56

All: -11.489+/-0.047 χ^2/NDF: 49471.6/106

reg_asym_sam_1357_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 1.741+/-0.161 χ^2/NDF: 1455.5/26

Left Out: 3.932+/-0.058 χ^2/NDF:6979.2/24

Right Out: 1.312+/-0.162 χ^2/NDF: 1592.2/31

Left In: 3.703+/-0.059 χ^2/NDF:4788.5/22

Left: 3.820+/-0.041 χ^2/NDF: 11775.3/47

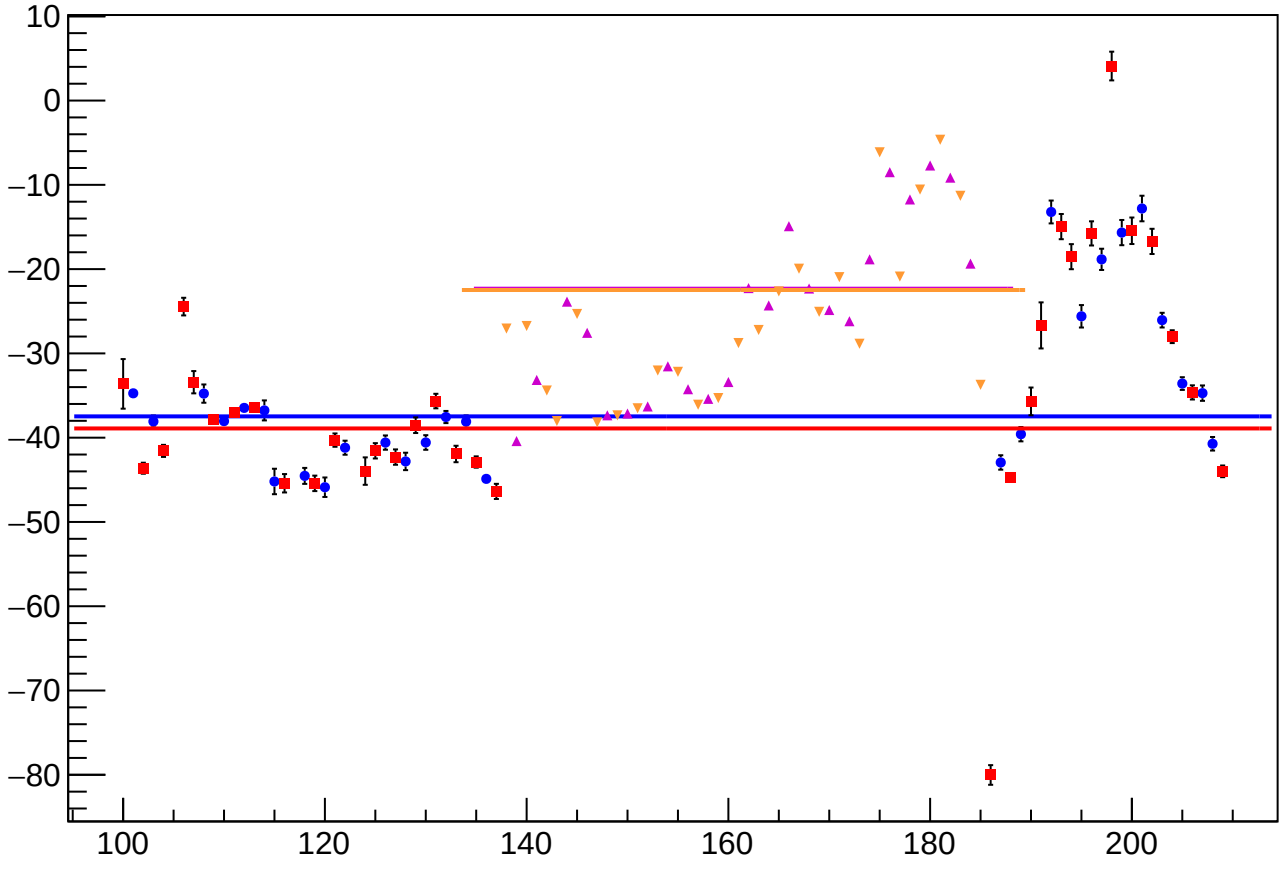
Right: 1.528+/-0.114 χ^2/NDF: 3051.2/58

In: 3.469+/-0.056 χ^2/NDF:6374.9/49

Out: 3.635+/-0.055 χ^2/NDF:8803.0/56

All: 3.554+/-0.039 χ^2/NDF: 15182.5/106

reg_asym_sam_1357_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -37.473+/-0.154 χ^2/NDF: 1899.5/26

Left Out: -22.478+/-0.075 χ^2/NDF:20417.4/24

Right Out: -38.905+/-0.149 χ^2/NDF: 4090.3/31

Left In: -22.322+/-0.077 χ^2/NDF:17133.3/22

Left: -22.402+/-0.054 χ^2/NDF: 37552.8/47

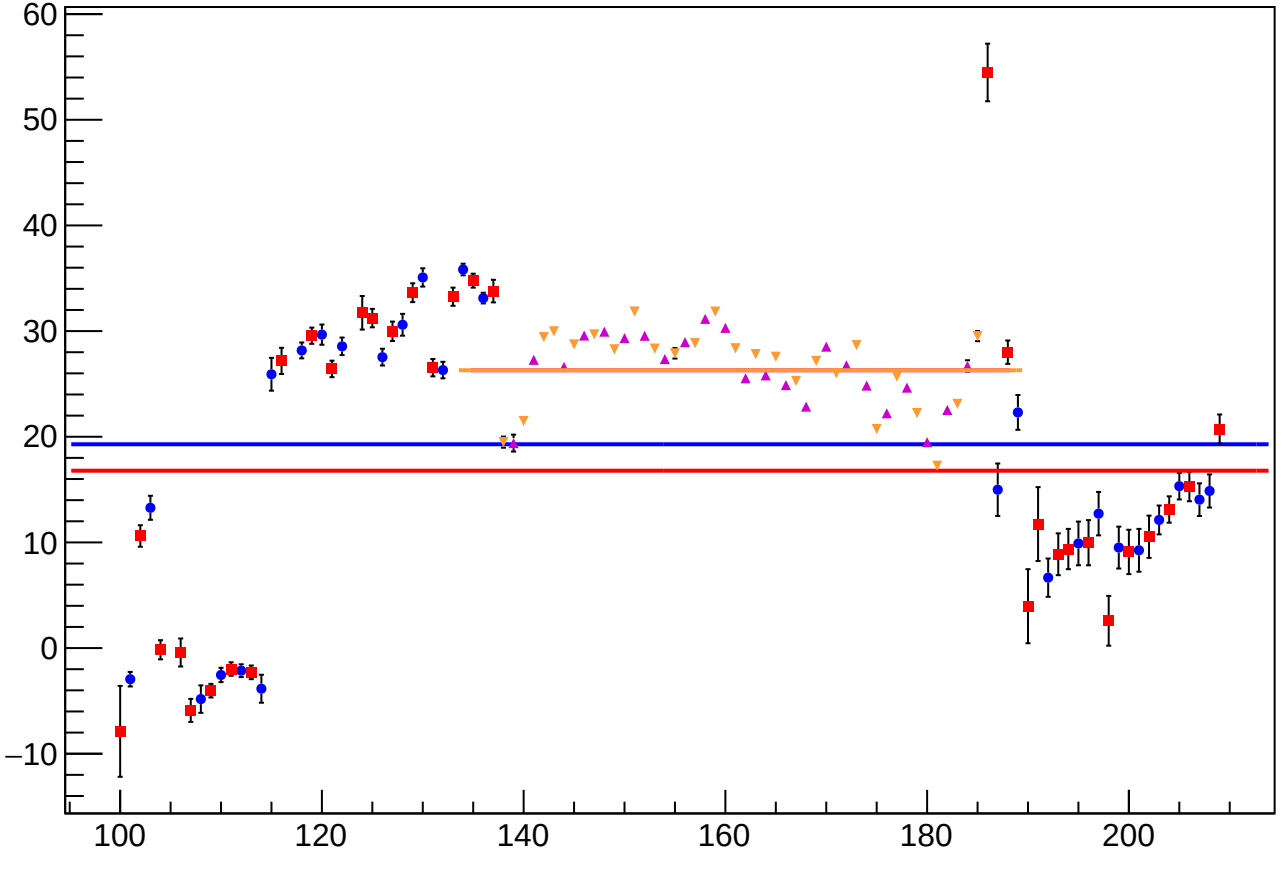
Right: -38.214+/-0.107 χ^2/NDF: 6034.4/58

In: -25.315+/-0.069 χ^2/NDF:26765.2/49

Out: -25.781+/-0.067 χ^2/NDF:34210.4/56

All: -25.554+/-0.048 χ^2/NDF: 60999.3/106

reg_asym_sam_1357_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 19.289+/-0.182 χ^2/NDF: 6895.0/26

Left Out: 26.296+/-0.065 χ^2/NDF:3307.8/24

Right Out: 16.787+/-0.185 χ^2/NDF: 7167.3/31

Left In: 26.292+/-0.067 χ^2/NDF:2185.8/22

Left: 26.294+/-0.047 χ^2/NDF: 5493.5/47

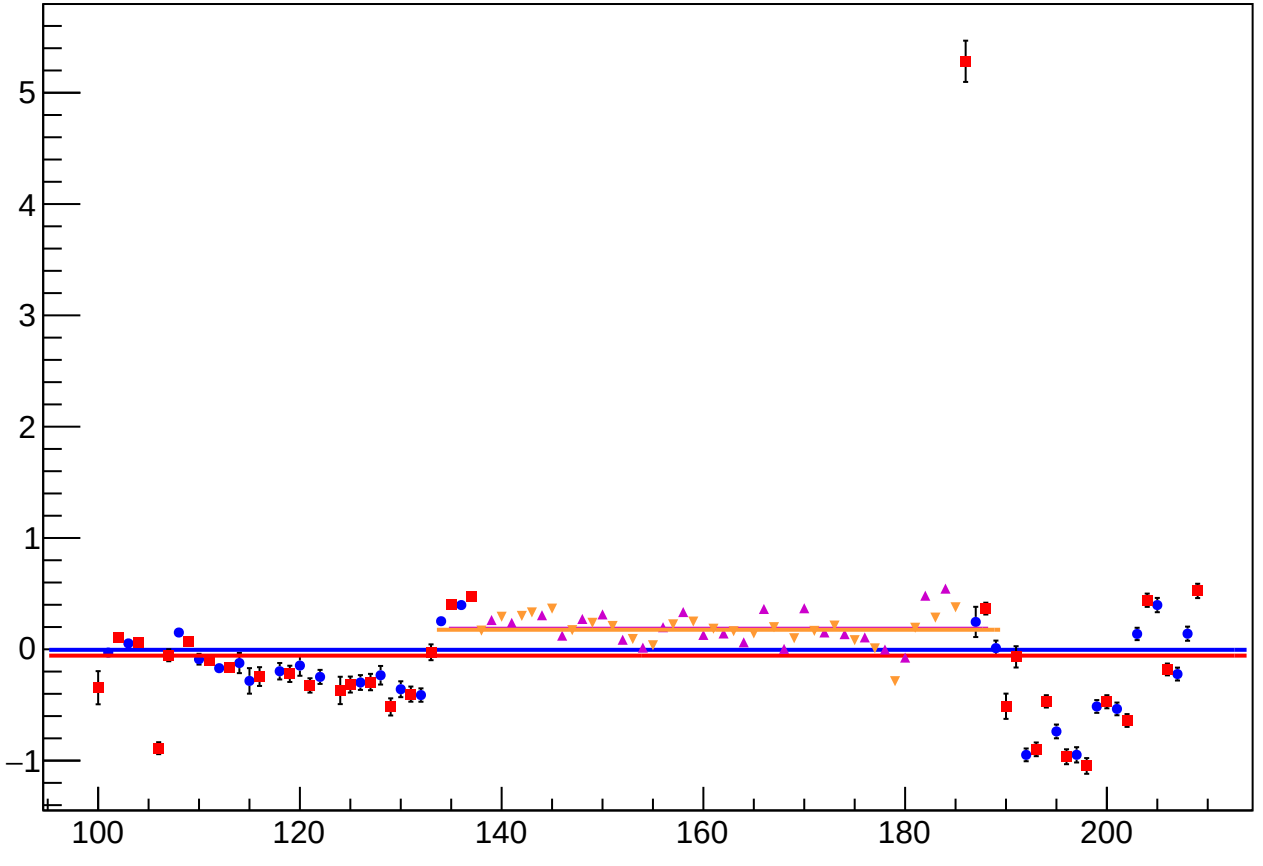
Right: 18.057+/-0.130 χ^2/NDF: 14155.3/58

In: 25.465+/-0.063 χ^2/NDF:10386.0/49

Out: 25.247+/-0.061 χ^2/NDF:12830.5/56

All: 25.354+/-0.044 χ^2/NDF: 23222.6/106

reg_asym_sam_1357_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.005+/-0.009 χ^2/NDF: 1477.2/26

Left Out: 0.176+/-0.003 χ^2/NDF:1935.6/24

Right Out: -0.057+/-0.009 χ^2/NDF: 2712.6/31

Left In: 0.185+/-0.003 χ^2/NDF:2538.5/22

Left: 0.180+/-0.002 χ^2/NDF: 4479.2/47

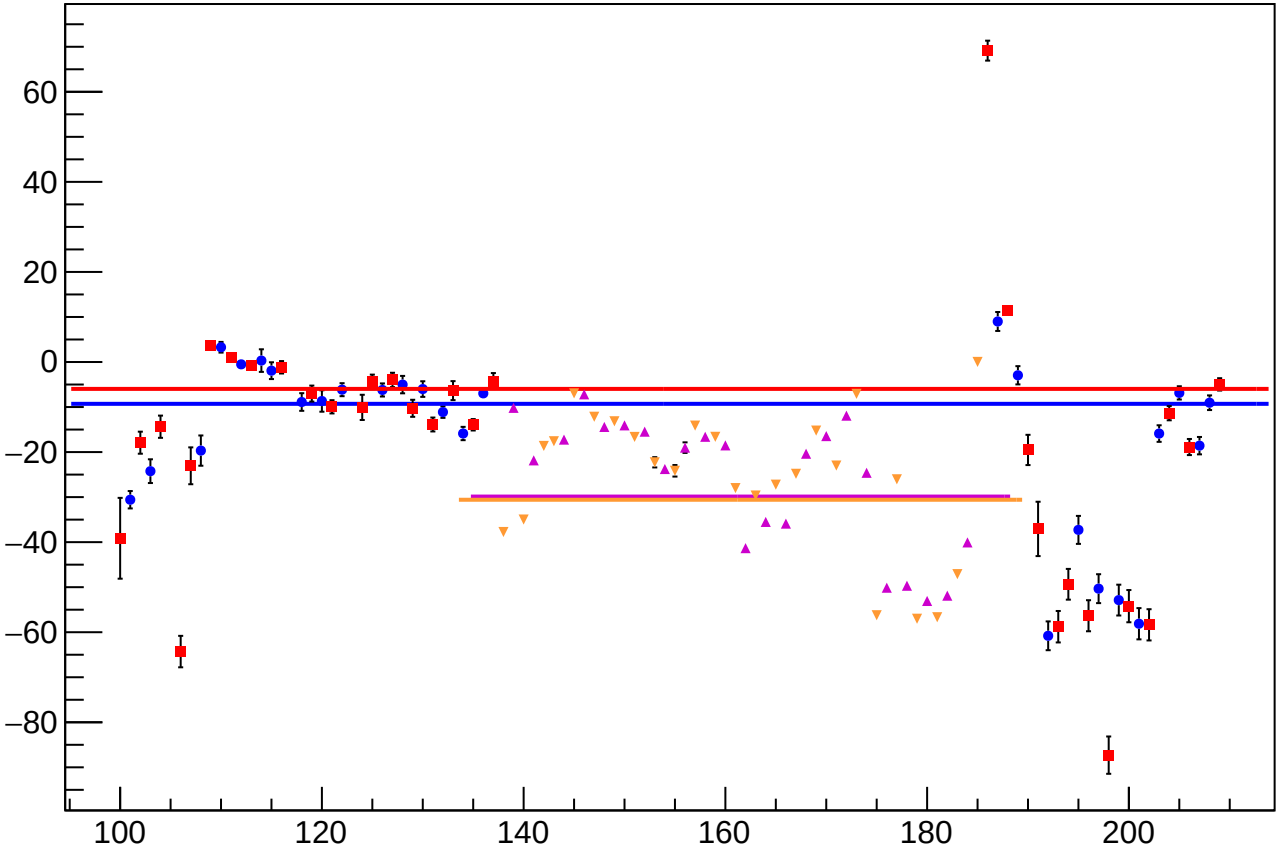
Right: -0.030+/-0.007 χ^2/NDF: 4205.7/58

In: 0.167+/-0.003 χ^2/NDF:4405.8/49

Out: 0.155+/-0.003 χ^2/NDF:5205.2/56

All: 0.161+/-0.002 χ^2/NDF: 9619.5/106

reg_asym_sam_2468_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -9.286+/-0.326 χ^2/NDF: 1420.6/26

Left Out: -30.587+/-0.142 χ^2/NDF:16046.0/24

Right Out: -5.970+/-0.313 χ^2/NDF: 3506.5/31

Left In: -29.878+/-0.146 χ^2/NDF:12034.7/22

Left: -30.242+/-0.102 χ^2/NDF: 28092.8/47

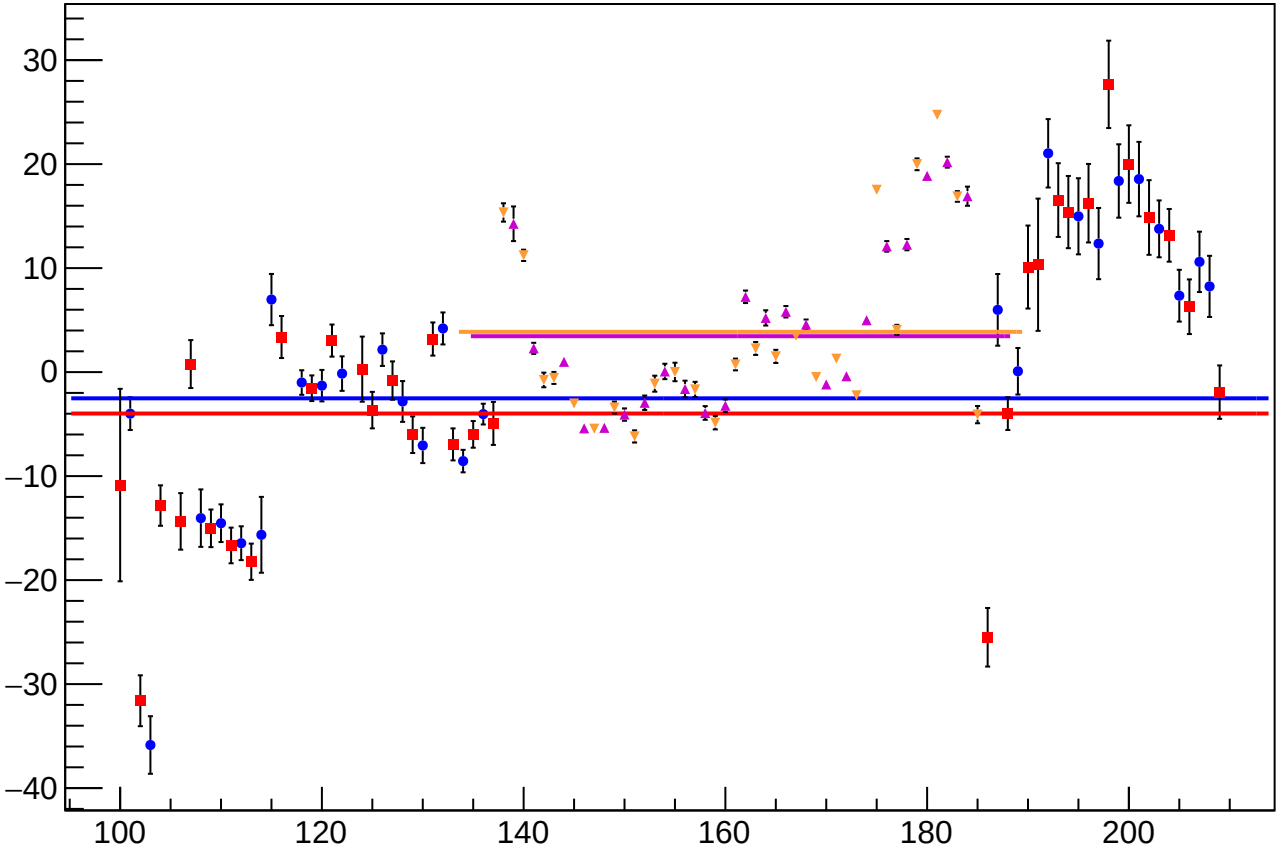
Right: -7.563+/-0.226 χ^2/NDF: 4980.9/58

In: -26.424+/-0.133 χ^2/NDF:16781.6/49

Out: -26.385+/-0.129 χ^2/NDF:24673.6/56

All: -26.404+/-0.093 χ^2/NDF: 41455.2/106

reg_asym_sam_2468_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -2.522+/-0.362 χ^2/NDF: 636.6/26

Left Out: 3.873+/-0.111 χ^2/NDF:6542.0/24

Right Out: -3.982+/-0.371 χ^2/NDF: 753.3/31

Left In: 3.453+/-0.114 χ^2/NDF:4693.7/22

Left: 3.667+/-0.079 χ^2/NDF: 11242.7/47

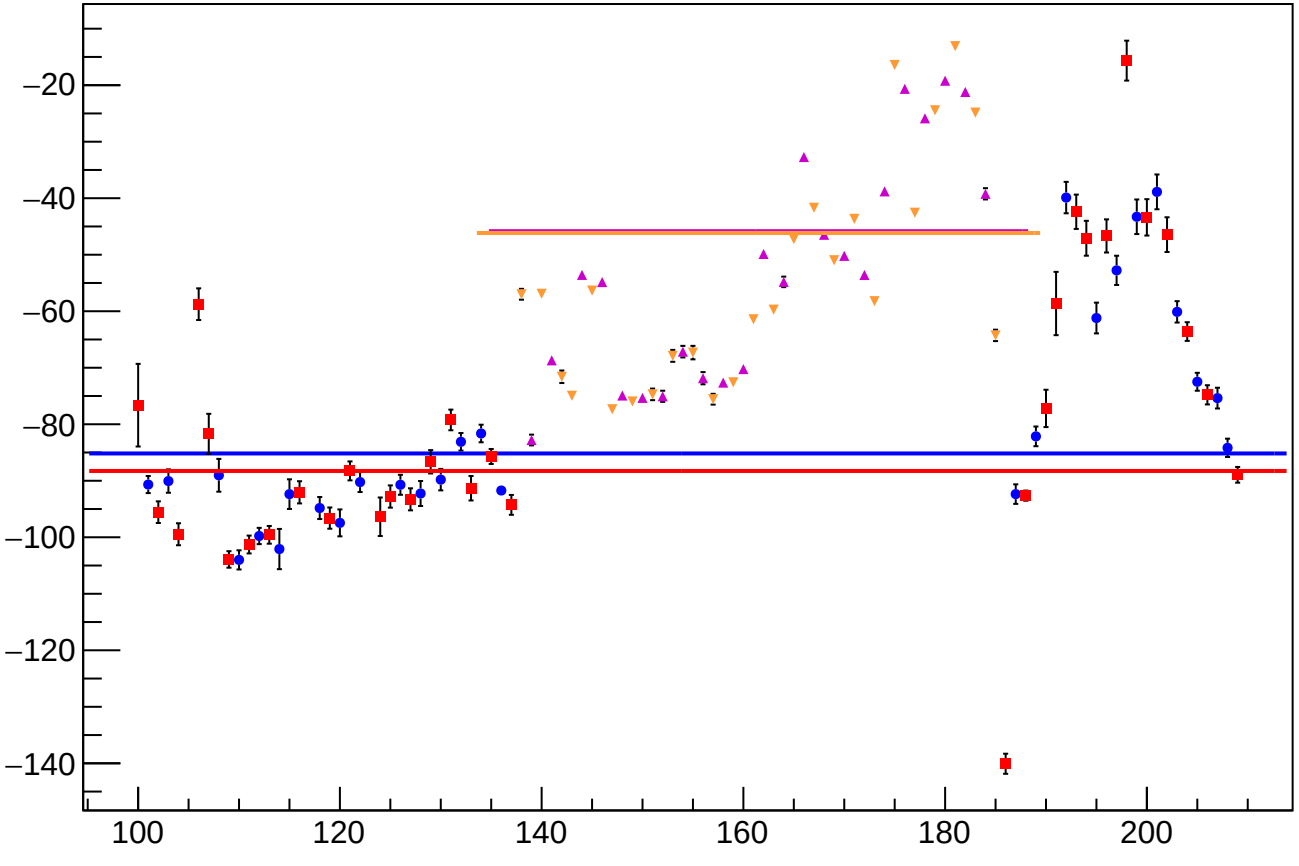
Right: -3.235+/-0.259 χ^2/NDF: 1397.8/58

In: 2.917+/-0.108 χ^2/NDF:5578.0/49

Out: 3.225+/-0.106 χ^2/NDF:7707.0/56

All: 3.074+/-0.076 χ^2/NDF: 13289.1/106

reg_asym_sam_2468_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -85.168+/-0.349 χ^2/NDF: 1627.2/26

Left Out: -46.153+/-0.142 χ^2/NDF:21455.9/24

Right Out: -88.267+/-0.339 χ^2/NDF: 3089.8/31

Left In: -45.833+/-0.146 χ^2/NDF:17924.6/22

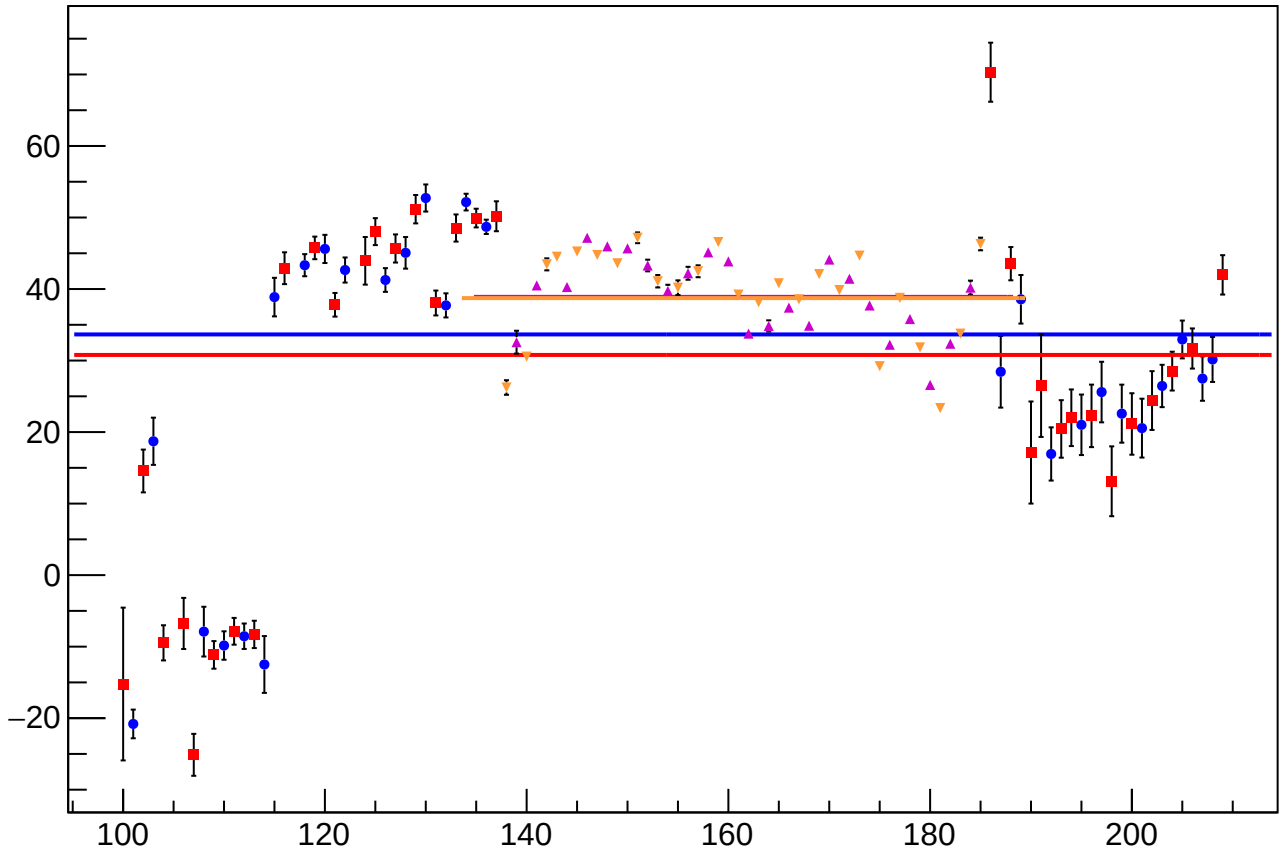
Left: -45.997+/-0.102 χ^2/NDF: 39383.0/47

Right: -86.763+/-0.243 χ^2/NDF: 4757.6/58

In: -51.690+/-0.135 χ^2/NDF:30357.3/49

Out: -52.472+/-0.131 χ^2/NDF:37666.9/56

All: -52.091+/-0.094 χ^2/NDF: 68041.5/106



Right In: 33.653+/-0.408 χ^2/NDF: 2879.7/26

Left Out: 38.730+/-0.125 χ^2/NDF:2781.7/24

Right Out: 30.786+/-0.423 χ^2/NDF: 3091.4/31

Left In: 38.905+/-0.127 χ^2/NDF:1971.6/22

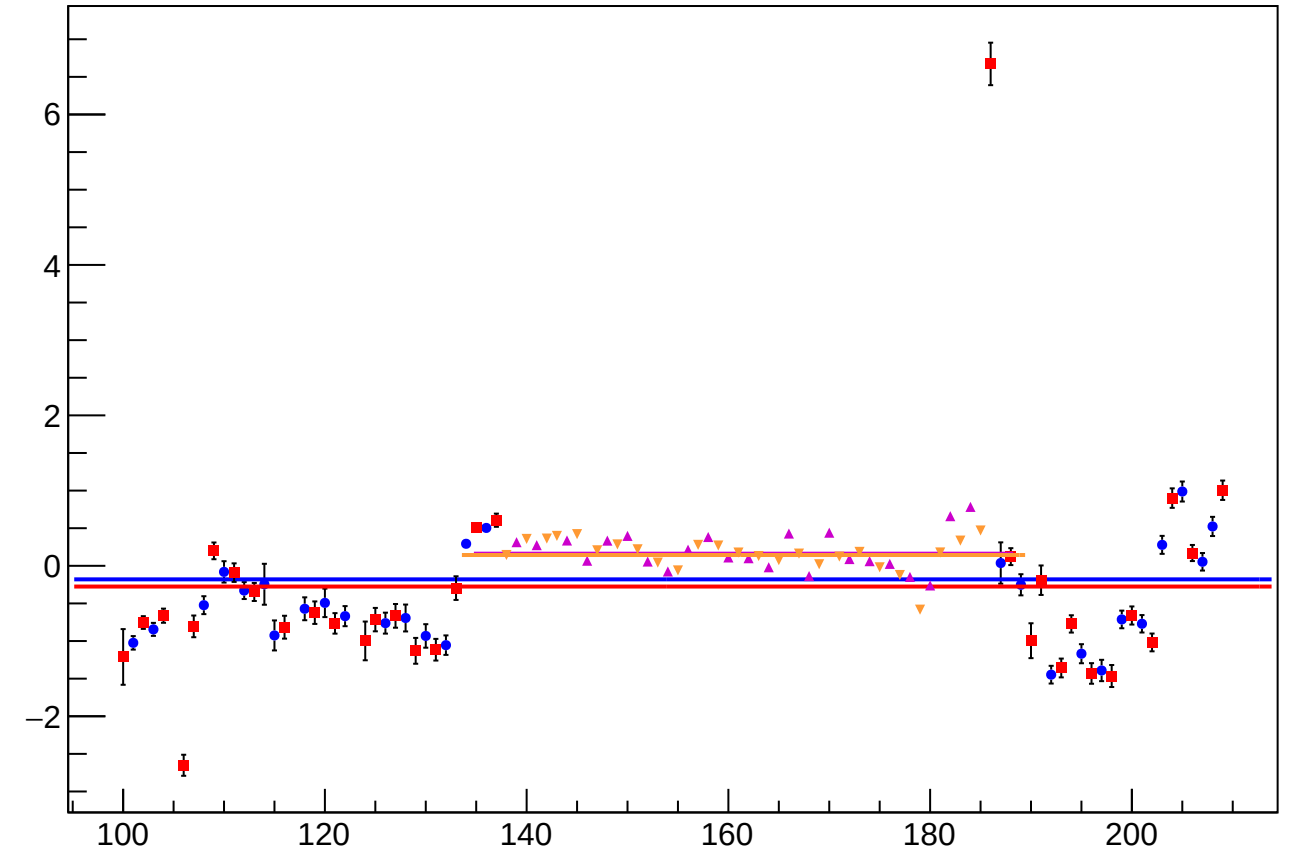
Left: 38.816+/-0.089 χ^2/NDF: 4754.3/47

Right: 32.271+/-0.294 χ^2/NDF: 5995.0/58

In: 38.438+/-0.122 χ^2/NDF:5002.5/49

Out: 38.096+/-0.119 χ^2/NDF:6198.0/56

All: 38.264+/-0.085 χ^2/NDF: 11204.5/106



Right In: -0.180+/-0.020 χ^2/NDF: 1065.9/26

Left Out: 0.144+/-0.006 χ^2/NDF:1442.8/24

Right Out: -0.276+/-0.021 χ^2/NDF: 1928.7/31

Left In: 0.161+/-0.006 χ^2/NDF:1918.8/22

Left: 0.152+/-0.004 χ^2/NDF: 3366.6/47

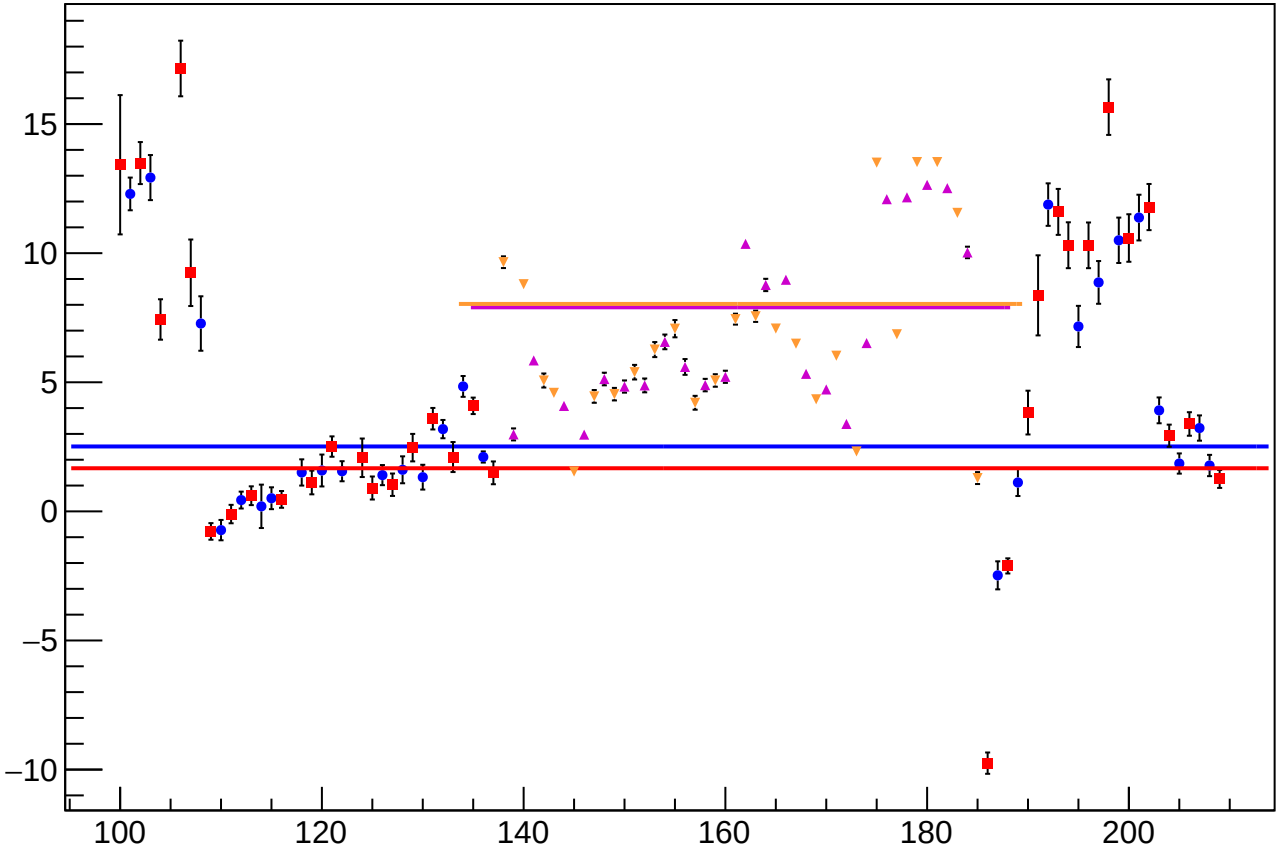
Right: -0.225+/-0.015 χ^2/NDF: 3005.0/58

In: 0.137+/-0.005 χ^2/NDF:3243.0/49

Out: 0.117+/-0.005 χ^2/NDF:3728.0/56

All: 0.127+/-0.004 χ^2/NDF: 6977.5/106

reg_asym_sam_1357_2468_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 2.514+/-0.089 χ^2/NDF: 1122.1/26

Left Out: 8.034+/-0.035 χ^2/NDF:13924.1/24

Right Out: 1.670+/-0.086 χ^2/NDF: 2410.5/31

Left In: 7.903+/-0.036 χ^2/NDF:10017.8/22

Left: 7.970+/-0.025 χ^2/NDF: 23948.8/47

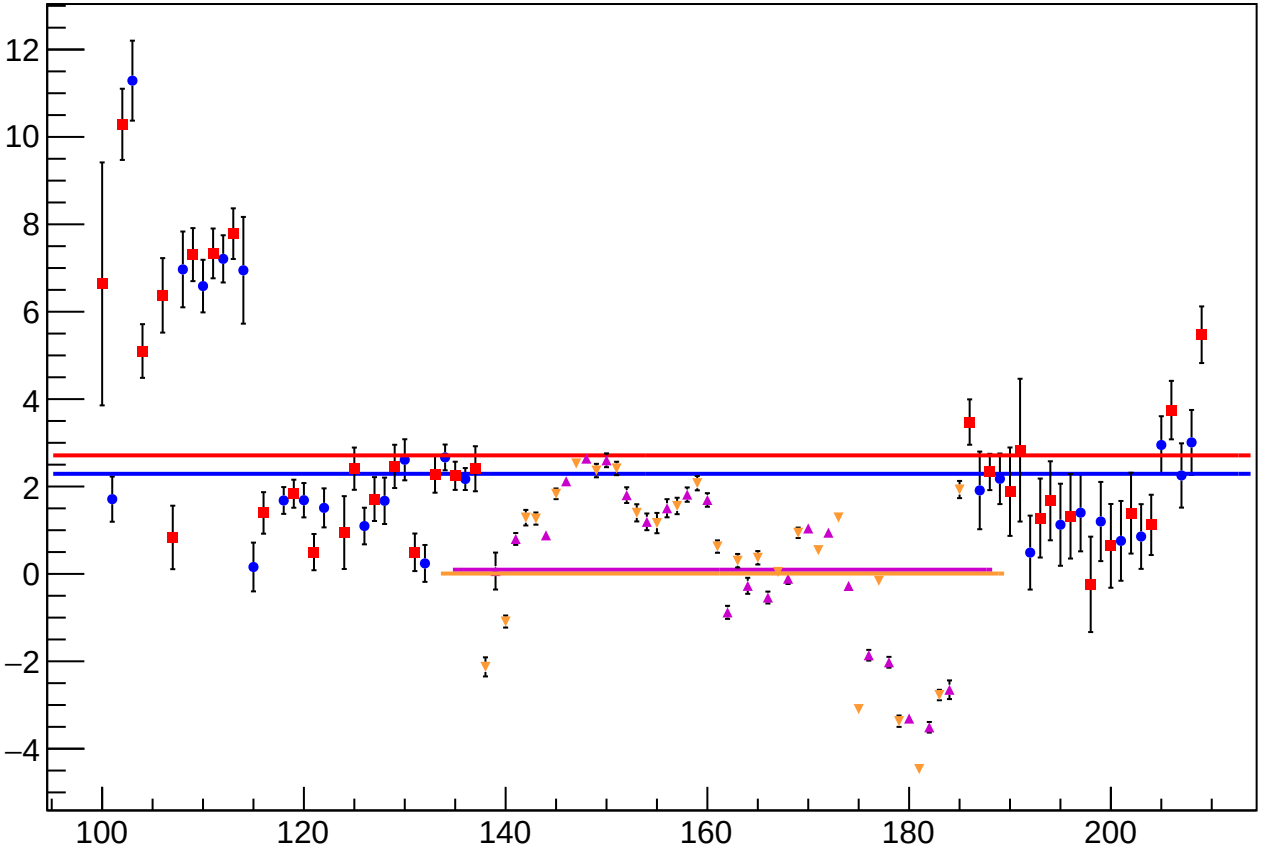
Right: 2.077+/-0.062 χ^2/NDF: 3578.9/58

In: 7.157+/-0.033 χ^2/NDF:14278.0/49

Out: 7.144+/-0.032 χ^2/NDF:21033.0/56

All: 7.150+/-0.023 χ^2/NDF: 35311.1/106

reg_asym_sam_1357_2468_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 2.291+/-0.098 χ^2/NDF: 352.1/26

Left Out: 0.009+/-0.027 χ^2/NDF:5761.2/24

Right Out: 2.713+/-0.101 χ^2/NDF: 460.8/31

Left In: 0.096+/-0.028 χ^2/NDF:4433.3/22

Left: 0.051+/-0.020 χ^2/NDF: 10199.5/47

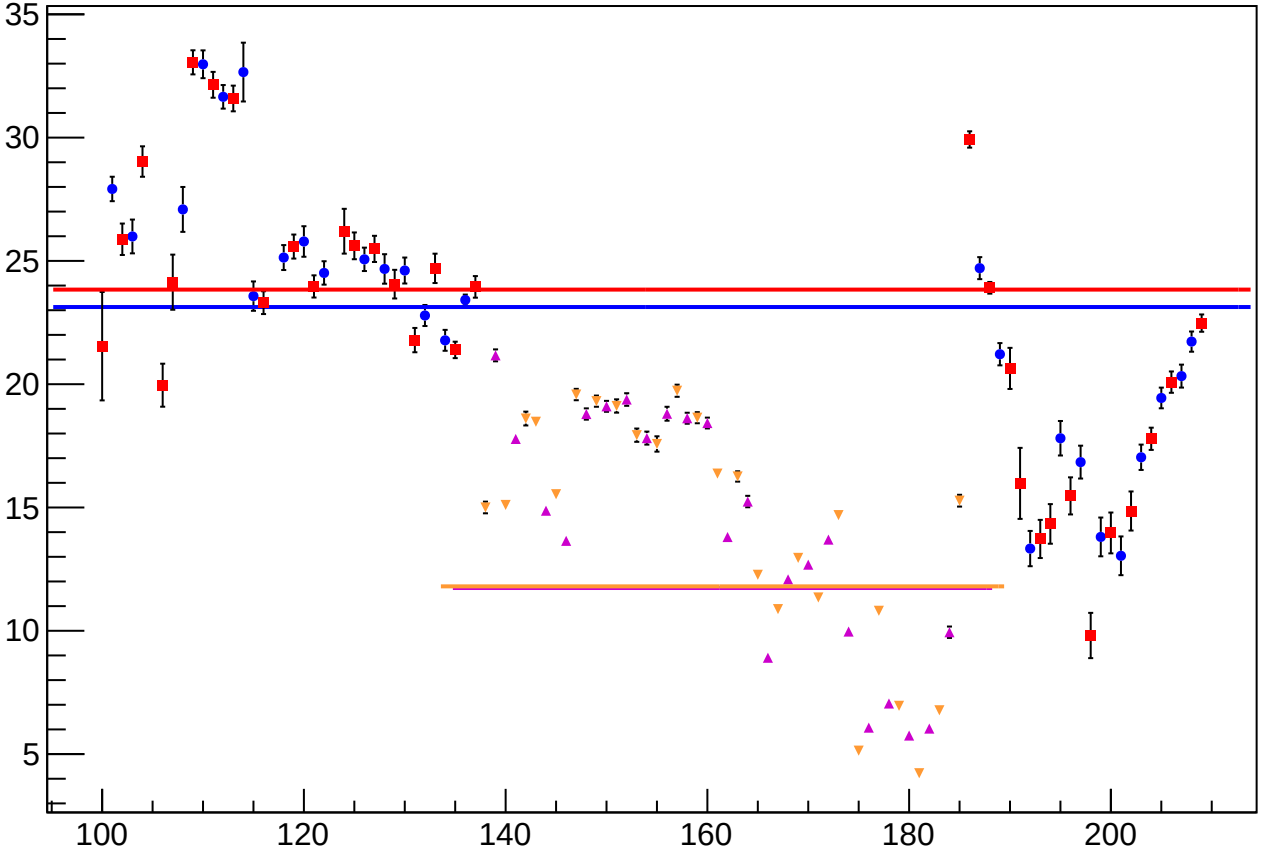
Right: 2.497+/-0.070 χ^2/NDF: 821.9/58

In: 0.262+/-0.027 χ^2/NDF:5246.0/49

Out: 0.196+/-0.027 χ^2/NDF:6893.2/56

All: 0.229+/-0.019 χ^2/NDF: 12142.2/106

reg_asym_sam_1357_2468_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 23.129+/-0.095 χ^2/NDF: 1839.1/26

Left Out: 11.802+/-0.035 χ^2/NDF:21479.5/24

Right Out: 23.836+/-0.091 χ^2/NDF: 2635.6/31

Left In: 11.735+/-0.036 χ^2/NDF:17999.5/22

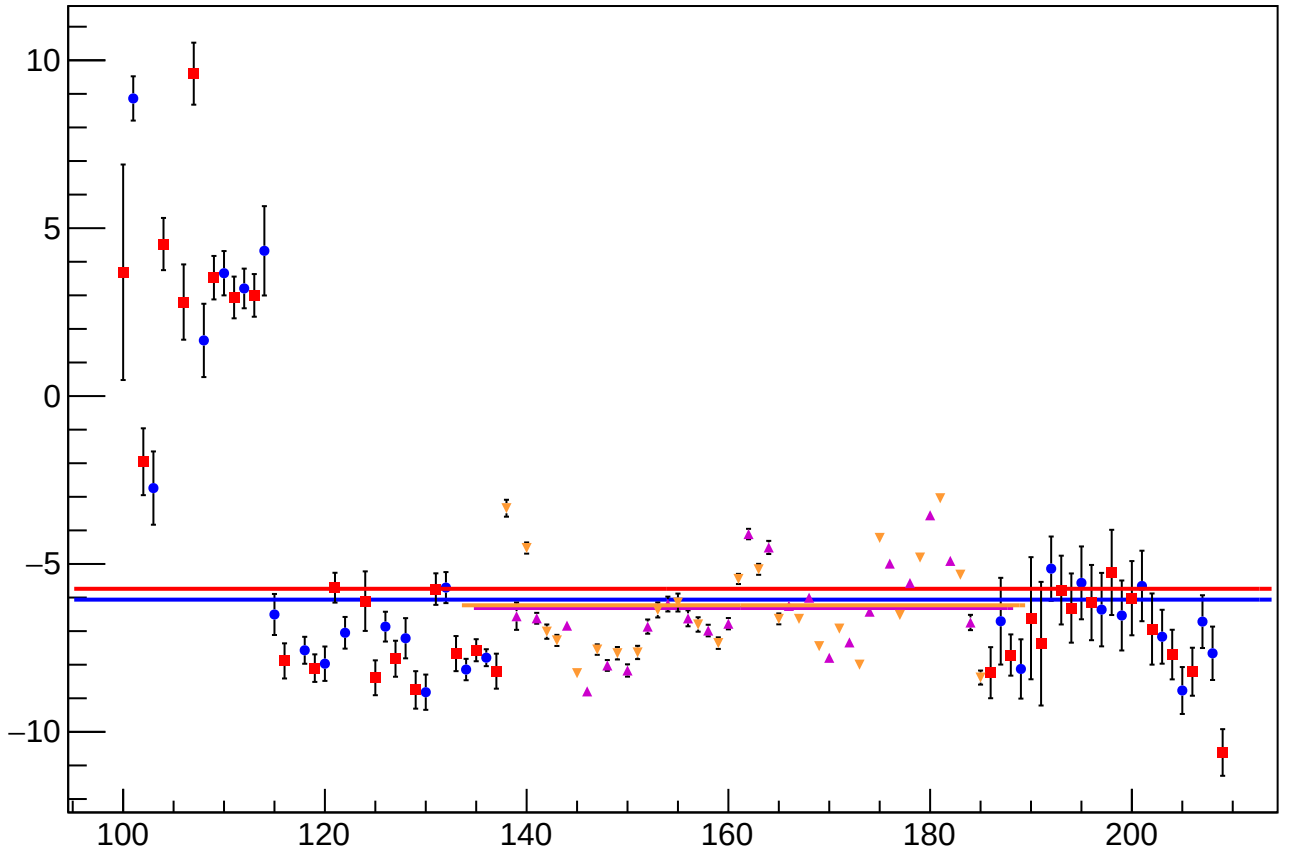
Left: 11.769+/-0.025 χ^2/NDF: 39480.8/47

Right: 23.498+/-0.065 χ^2/NDF: 4503.8/58

In: 13.164+/-0.033 χ^2/NDF:32538.4/49

Out: 13.349+/-0.033 χ^2/NDF:39452.4/56

All: 13.259+/-0.023 χ^2/NDF: 72006.5/106



Right In: -6.062+/-0.110 χ^2/NDF: 1282.7/26

Left Out: -6.231+/-0.031 χ^2/NDF:2450.1/24

Right Out: -5.739+/-0.115 χ^2/NDF: 1400.1/31

Left In: -6.311+/-0.031 χ^2/NDF:2030.2/22

Left: -6.270+/-0.022 χ^2/NDF: 4483.6/47

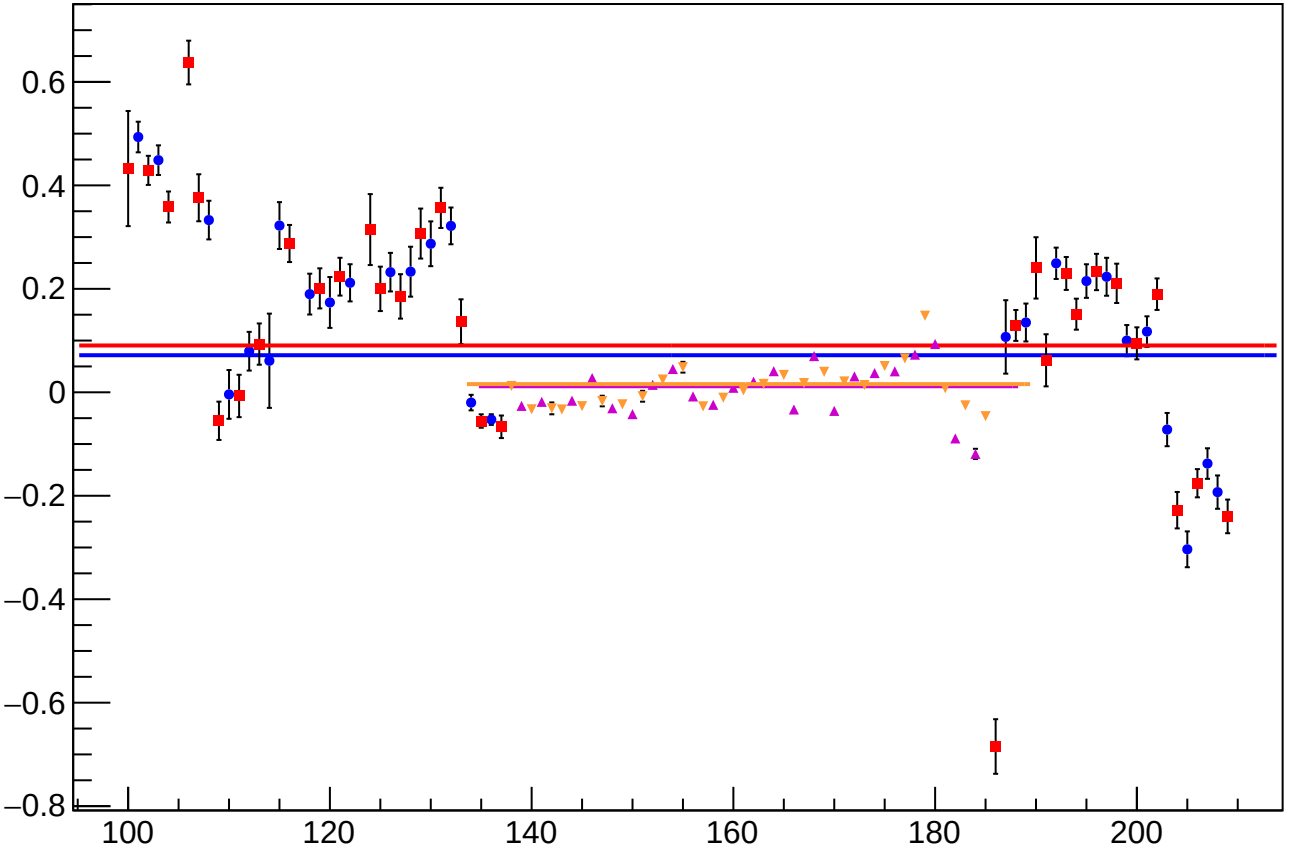
Right: -5.907+/-0.080 χ^2/NDF: 2686.9/58

In: -6.293+/-0.030 χ^2/NDF:3317.6/49

Out: -6.198+/-0.030 χ^2/NDF:3867.1/56

All: -6.244+/-0.021 χ^2/NDF: 7189.7/106

reg_asym_sam_1357_2468_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.072+/-0.006 χ^2/NDF: 1106.4/26

Left Out: 0.016+/-0.001 χ^2/NDF:933.4/24

Right Out: 0.091+/-0.006 χ^2/NDF: 1347.3/31

Left In: 0.012+/-0.001 χ^2/NDF:1297.5/22

Left: 0.014+/-0.001 χ^2/NDF: 2235.3/47

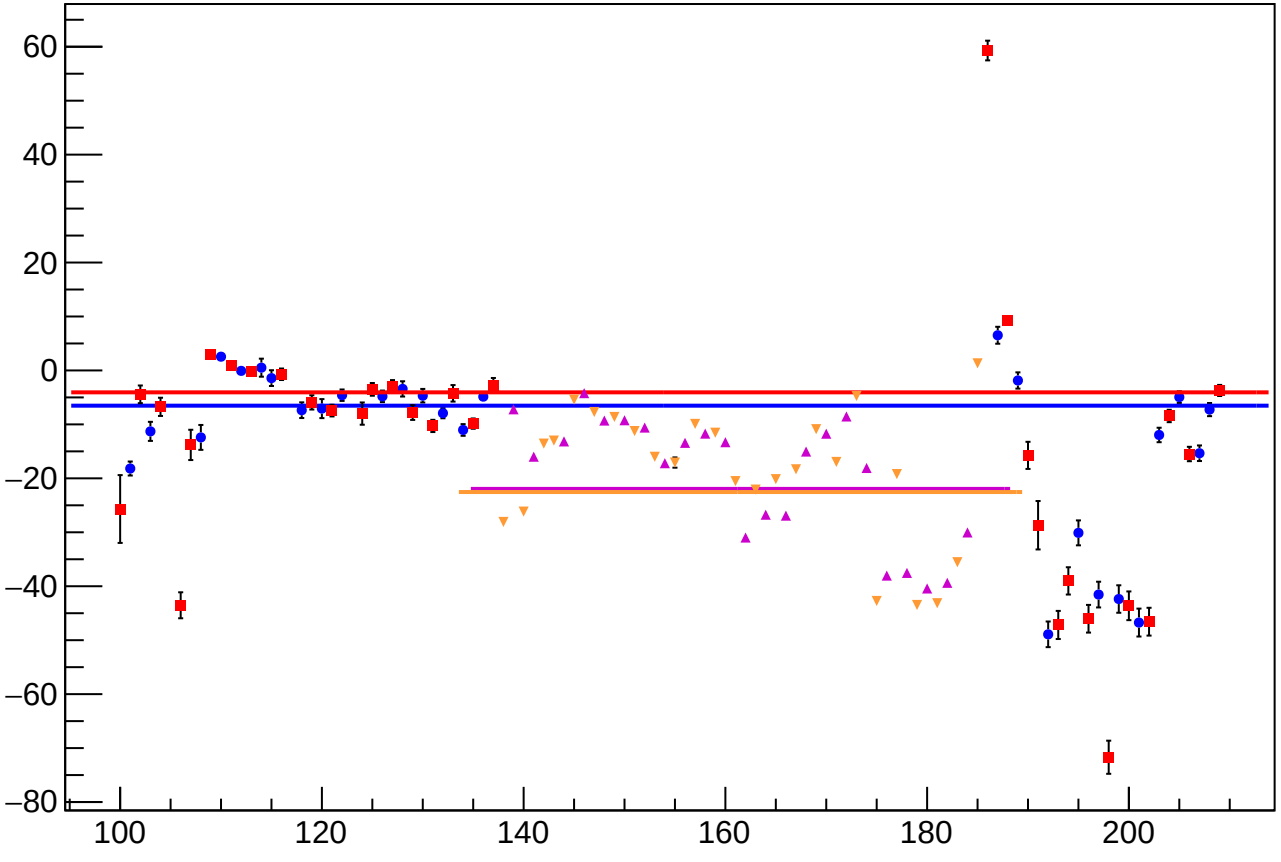
Right: 0.081+/-0.004 χ^2/NDF: 2459.2/58

In: 0.015+/-0.001 χ^2/NDF:2515.0/49

Out: 0.020+/-0.001 χ^2/NDF:2437.1/56

All: 0.018+/-0.001 χ^2/NDF: 4957.4/106

reg_asym_sam_12345678_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -6.532+/-0.235 χ^2/NDF: 1602.6/26

Left Out: -22.538+/-0.108 χ^2/NDF:16540.6/24

Right Out: -4.060+/-0.225 χ^2/NDF: 3907.5/31

Left In: -21.957+/-0.111 χ^2/NDF:12585.3/22

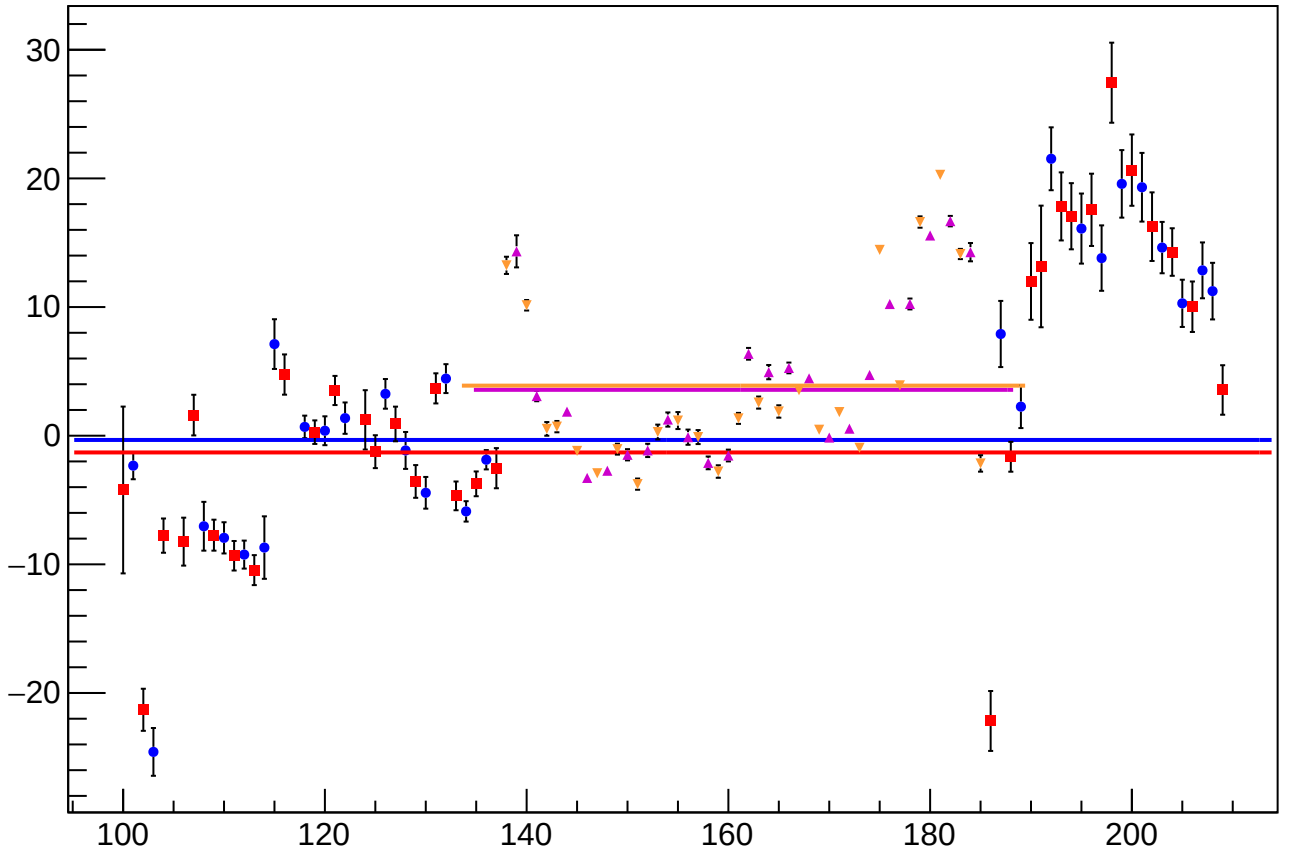
Left: -22.255+/-0.078 χ^2/NDF: 29139.9/47

Right: -5.242+/-0.162 χ^2/NDF: 5567.9/58

In: -19.134+/-0.100 χ^2/NDF:17711.6/49

Out: -19.065+/-0.097 χ^2/NDF:25939.8/56

All: -19.098+/-0.070 χ^2/NDF: 43651.6/106



Right In: -0.331+/-0.263 χ^2/NDF: 841.5/26

Left Out: 3.891+/-0.084 χ^2/NDF:6724.1/24

Right Out: -1.302+/-0.268 χ^2/NDF: 967.1/31

Left In: 3.565+/-0.086 χ^2/NDF:4739.4/22

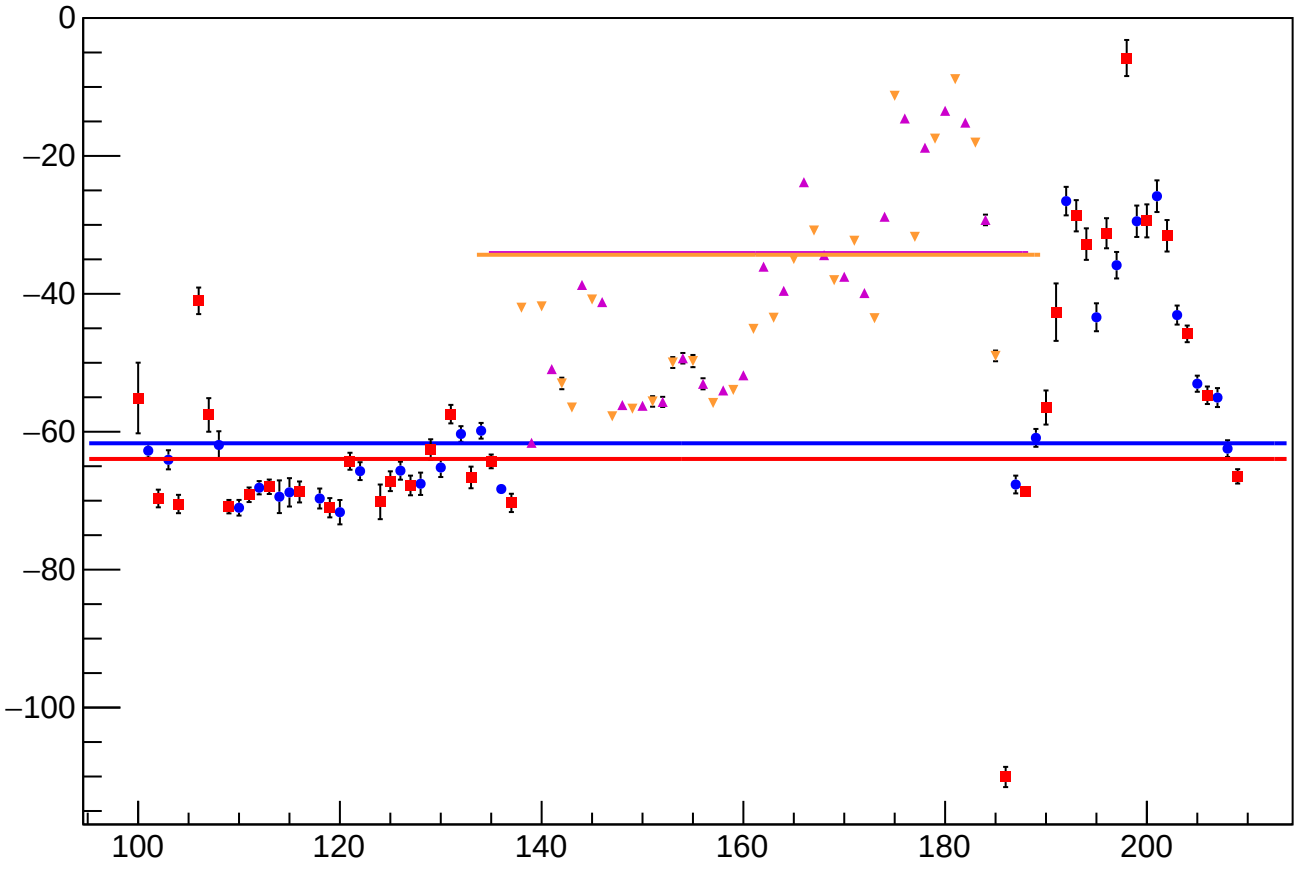
Left: 3.732+/-0.060 χ^2/NDF: 11470.7/47

Right: -0.807+/-0.188 χ^2/NDF: 1815.2/58

In: 3.187+/-0.082 χ^2/NDF:5779.2/49

Out: 3.425+/-0.080 χ^2/NDF:8032.5/56

All: 3.308+/-0.057 χ^2/NDF: 13816.0/106



Right In: -61.675+/-0.253 χ^2/NDF: 1623.5/26

Left Out: -34.334+/-0.108 χ^2/NDF:21200.8/24

Right Out: -63.946+/-0.246 χ^2/NDF: 3306.9/31

Left In: -34.091+/-0.111 χ^2/NDF:17726.5/22

Left: -34.216+/-0.077 χ^2/NDF: 38929.7/47

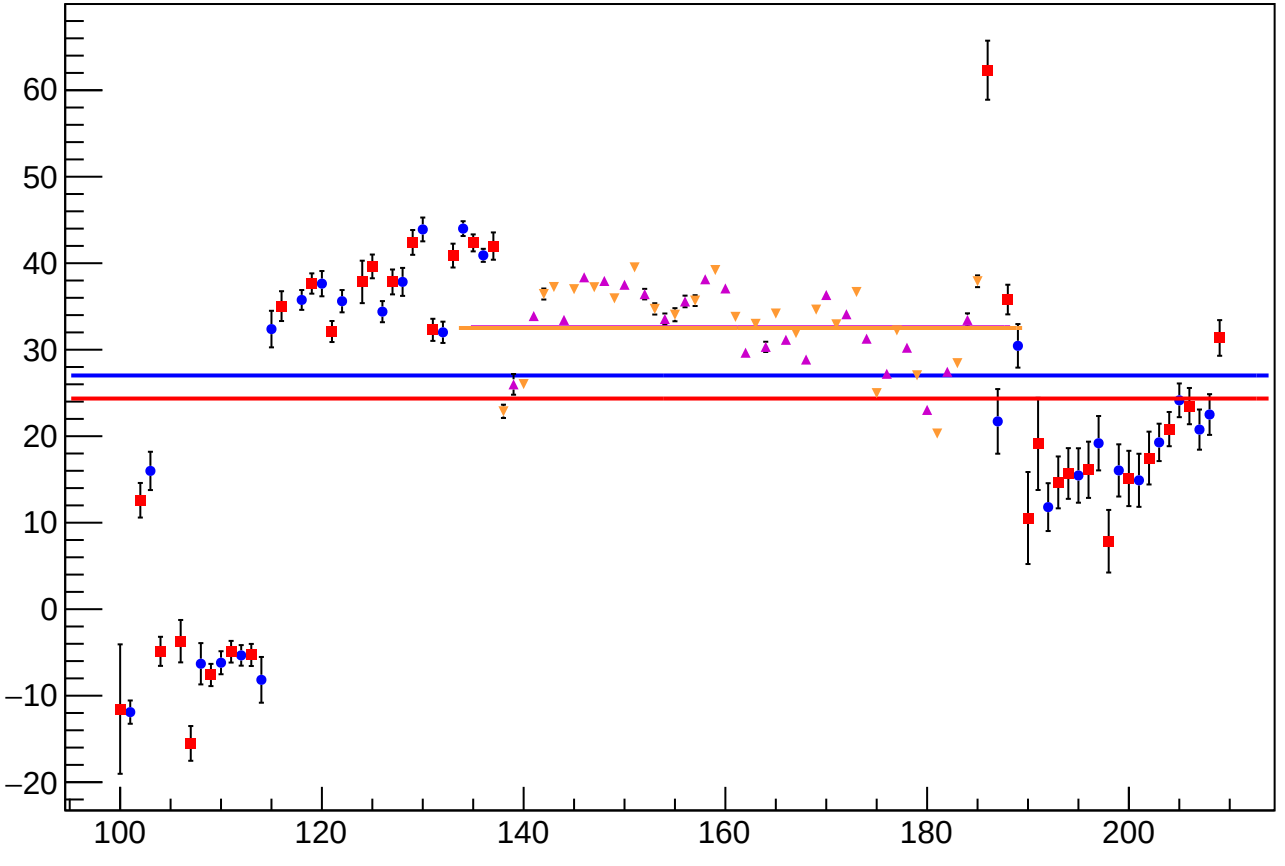
Right: -62.844+/-0.176 χ^2/NDF: 4971.8/58

In: -38.534+/-0.102 χ^2/NDF:29304.5/49

Out: -39.144+/-0.099 χ^2/NDF:36657.7/56

All: -38.846+/-0.071 χ^2/NDF: 65980.7/106

reg_asym_sam_12345678_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 27.020+/-0.296 χ^2/NDF: 3847.9/26

Left Out: 32.511+/-0.095 χ^2/NDF:2938.0/24

Right Out: 24.354+/-0.306 χ^2/NDF: 4092.5/31

Left In: 32.598+/-0.097 χ^2/NDF:2012.9/22

Left: 32.553+/-0.068 χ^2/NDF: 4951.3/47

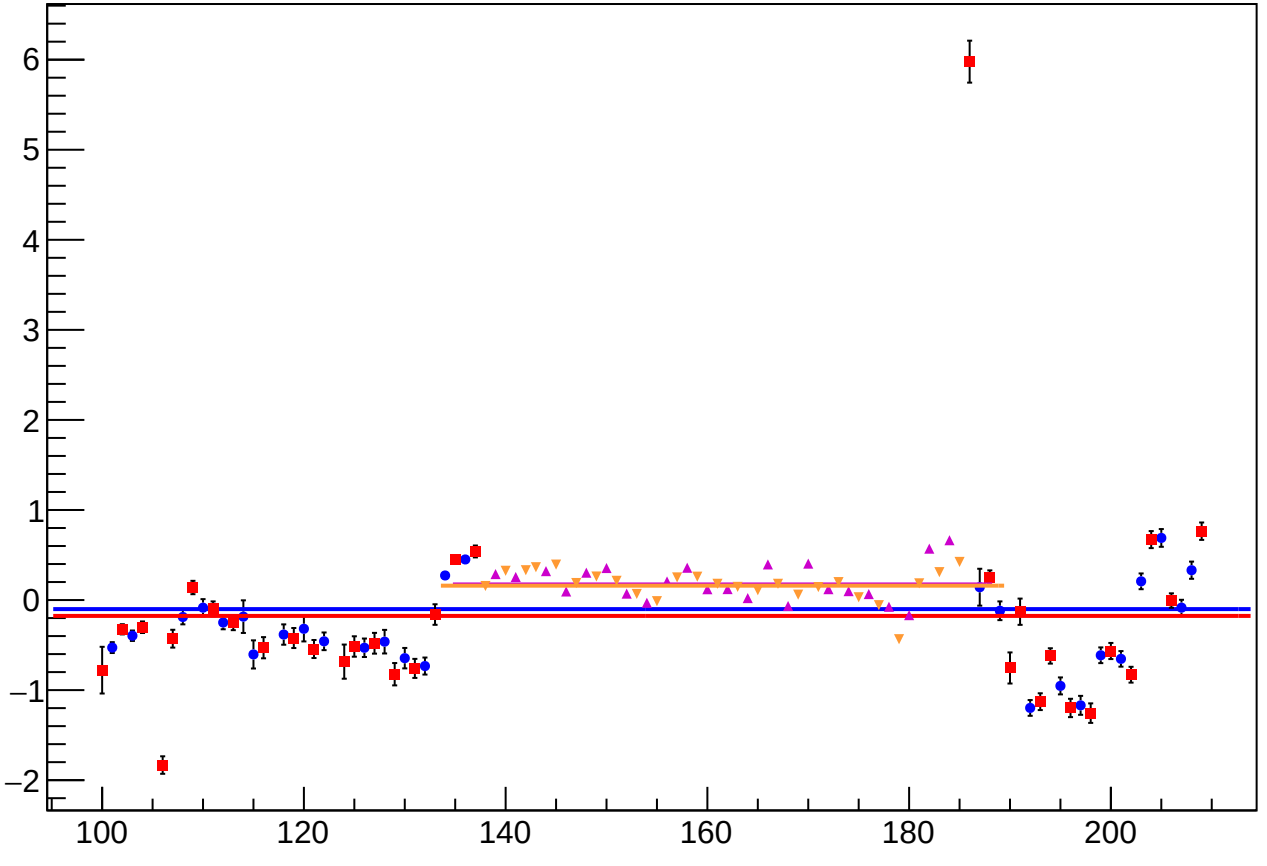
Right: 25.729+/-0.213 χ^2/NDF: 7979.6/58

In: 32.061+/-0.092 χ^2/NDF:6181.1/49

Out: 31.799+/-0.090 χ^2/NDF:7680.2/56

All: 31.927+/-0.064 χ^2/NDF: 13865.4/106

reg_asym_sam_12345678_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.101+/-0.015 χ^2/NDF: 1130.9/26

Left Out: 0.160+/-0.004 χ^2/NDF:1613.0/24

Right Out: -0.176+/-0.016 χ^2/NDF: 2143.8/31

Left In: 0.173+/-0.004 χ^2/NDF:2129.7/22

Left: 0.166+/-0.003 χ^2/NDF: 3747.7/47

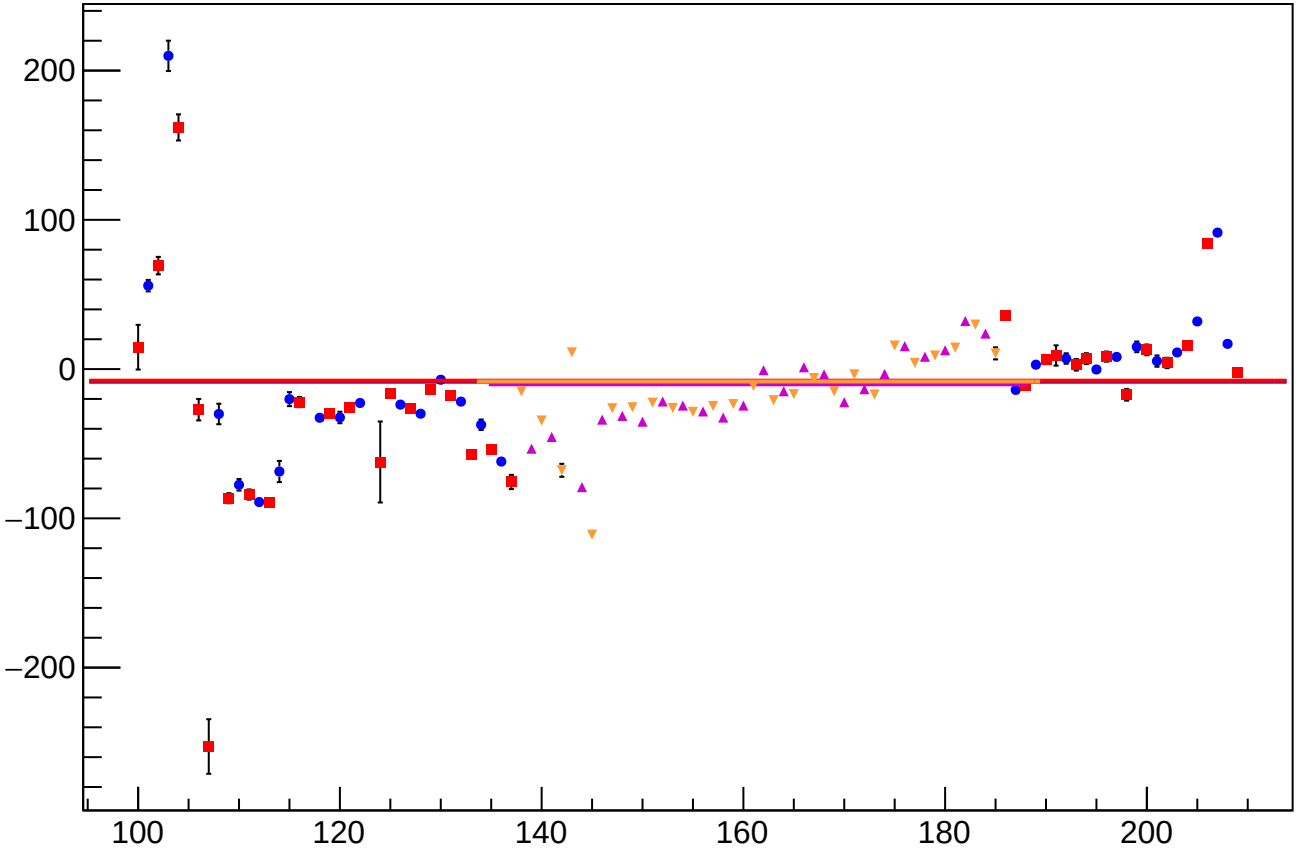
Right: -0.137+/-0.011 χ^2/NDF: 3287.0/58

In: 0.152+/-0.004 χ^2/NDF:3573.0/49

Out: 0.137+/-0.004 χ^2/NDF:4190.4/56

All: 0.144+/-0.003 χ^2/NDF: 7770.3/106

reg_asym_atl1_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -8.411+/-0.587 χ^2/NDF: 4431.6/26

Left Out: -8.298+/-0.514 χ^2/NDF:2559.6/24

Right Out: -7.774+/-0.528 χ^2/NDF: 5419.6/31

Left In: -10.183+/-0.526 χ^2/NDF:2518.4/22

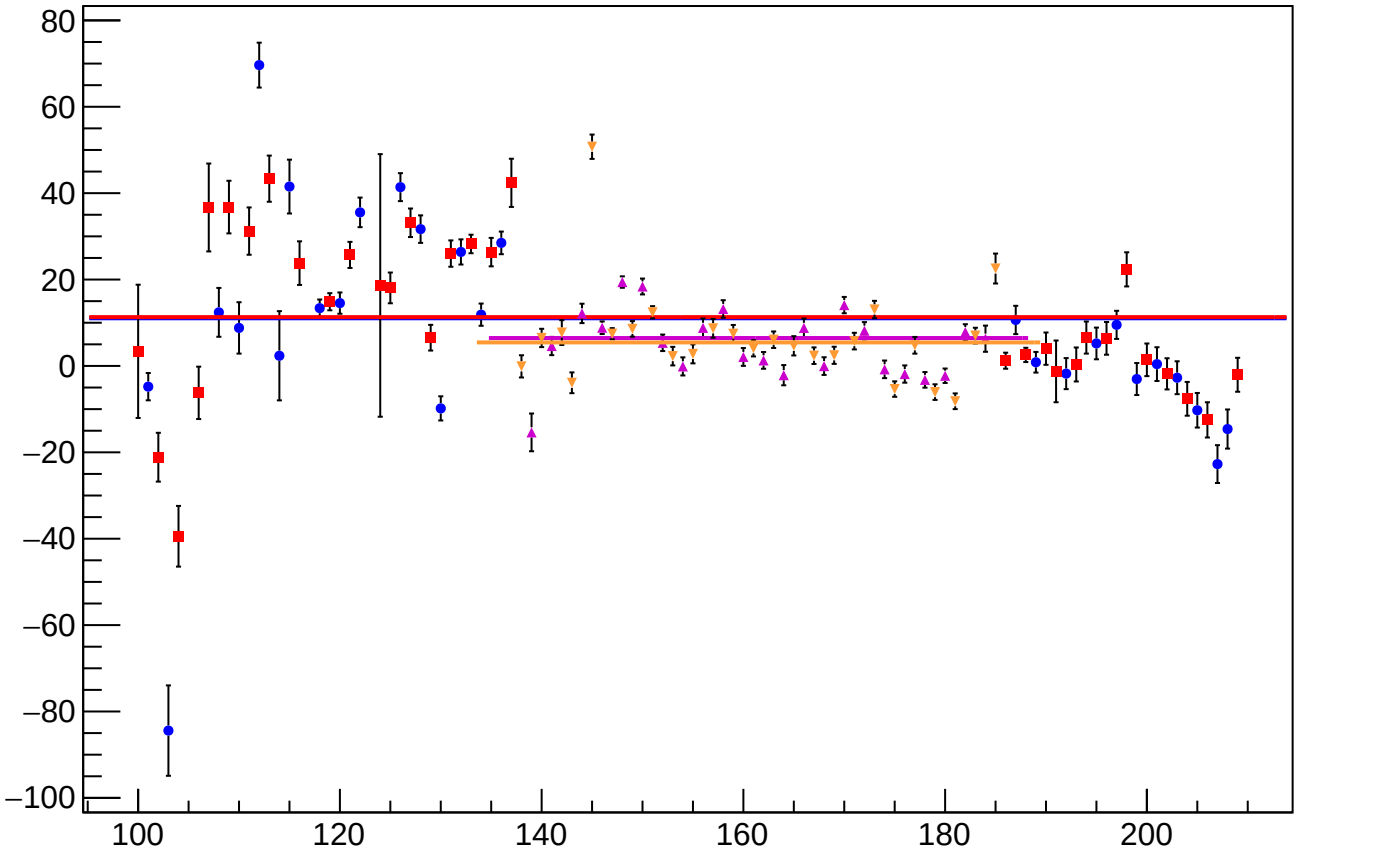
Left: -9.217+/-0.368 χ^2/NDF: 5084.6/47

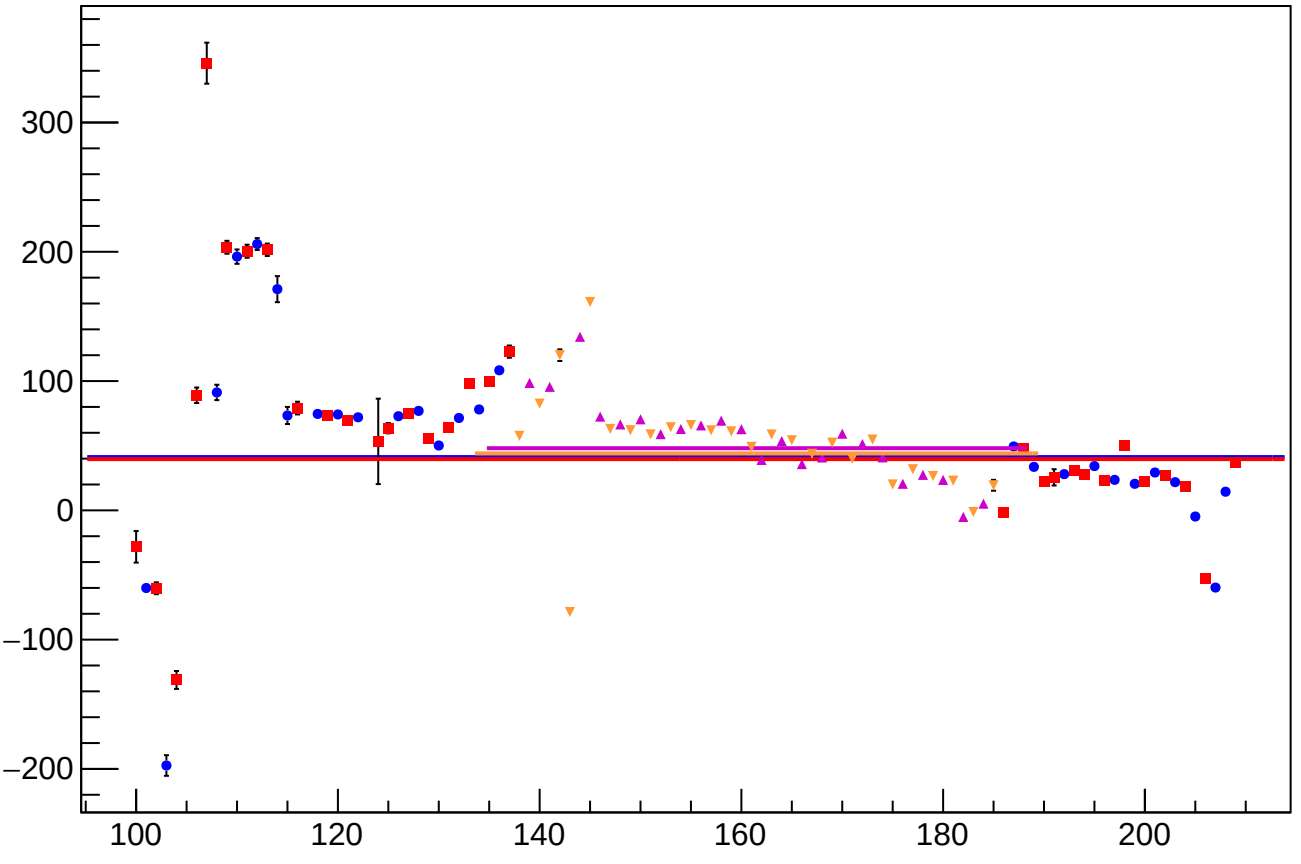
Right: -8.059+/-0.392 χ^2/NDF: 9851.9/58

In: -9.393+/-0.392 χ^2/NDF:6955.1/49

Out: -8.043+/-0.368 χ^2/NDF:7979.7/56

All: -8.676+/-0.268 χ^2/NDF: 14941.1/106


reg_asym_atl1_diff_bpm4aY_slope vs Slug, Sign Corrected
80
60
40
20
0
−20
−40
−60
−80
−100
100
120
140
160
180
200
Right In: 11.035+/-0.651 χ²/NDF: 760.8/26
Left Out: 5.445+/-0.394 χ²/NDF:493.7/24
Right Out: 11.299+/-0.611 χ²/NDF: 558.6/31
Left In: 6.461+/-0.408 χ²/NDF:336.0/22
Left: 5.936+/-0.283 χ²/NDF: 832.9/47
Right: 11.175+/-0.445 χ²/NDF: 1319.6/58
In: 7.752+/-0.346 χ²/NDF:1132.3/49
Out: 7.165+/-0.331 χ²/NDF:1117.2/56
All: 7.446+/-0.239 χ²/NDF: 2251.0/106



Right In: 41.210+/-0.577 χ^2/NDF: 7862.1/26

Left Out: 44.040+/-0.510 χ^2/NDF:4563.8/24

Right Out: 39.640+/-0.497 χ^2/NDF: 8985.9/31

Left In: 48.076+/-0.521 χ^2/NDF:3376.5/22

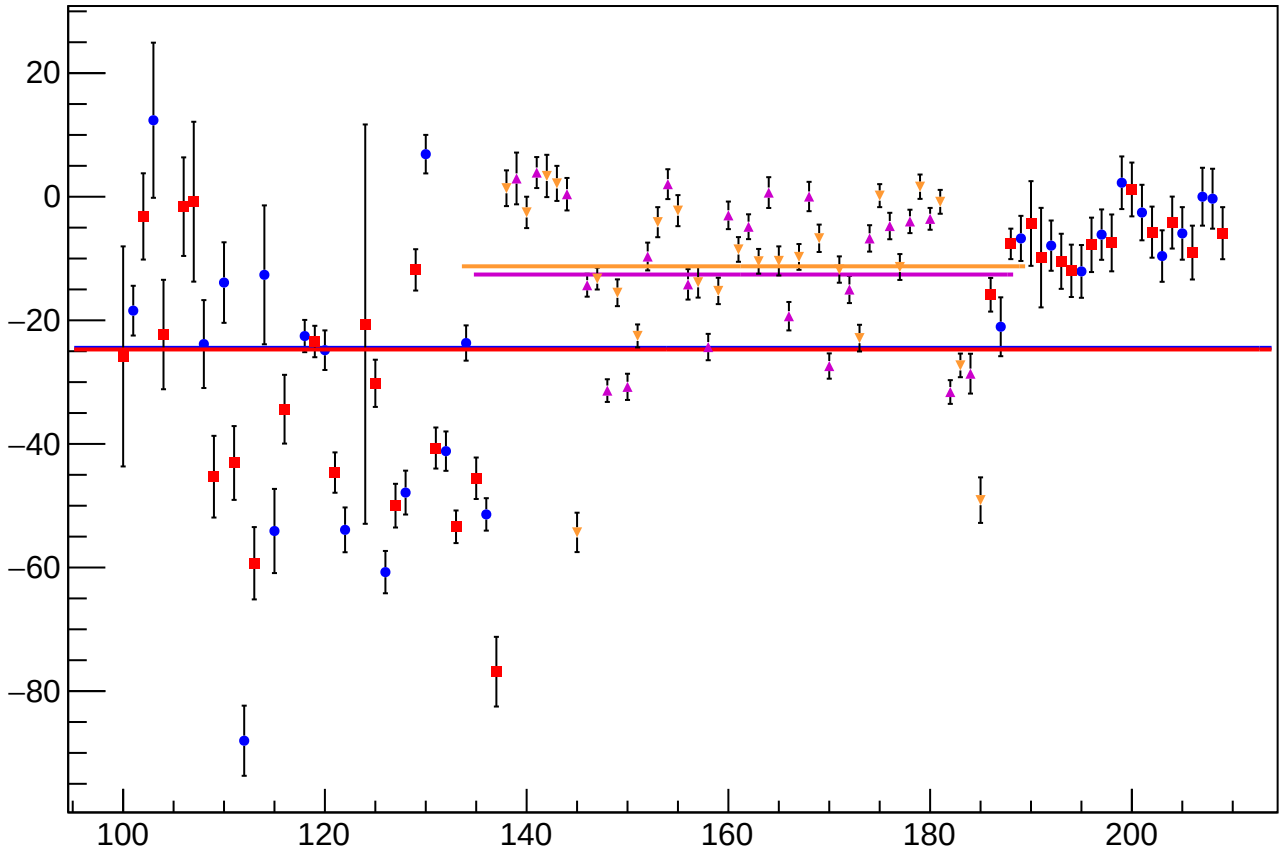
Left: 46.014+/-0.364 χ^2/NDF: 7970.9/47

Right: 40.308+/-0.376 χ^2/NDF: 16852.2/58

In: 44.989+/-0.387 χ^2/NDF:11316.7/49

Out: 41.782+/-0.356 χ^2/NDF:13587.9/56

All: 43.252+/-0.262 χ^2/NDF: 24941.8/106



Right In: -24.455+/-0.761 χ^2/NDF: 831.5/26

Left Out: -11.260+/-0.445 χ^2/NDF:643.3/24

Right Out: -24.716+/-0.739 χ^2/NDF: 681.5/31

Left In: -12.589+/-0.459 χ^2/NDF:671.8/22

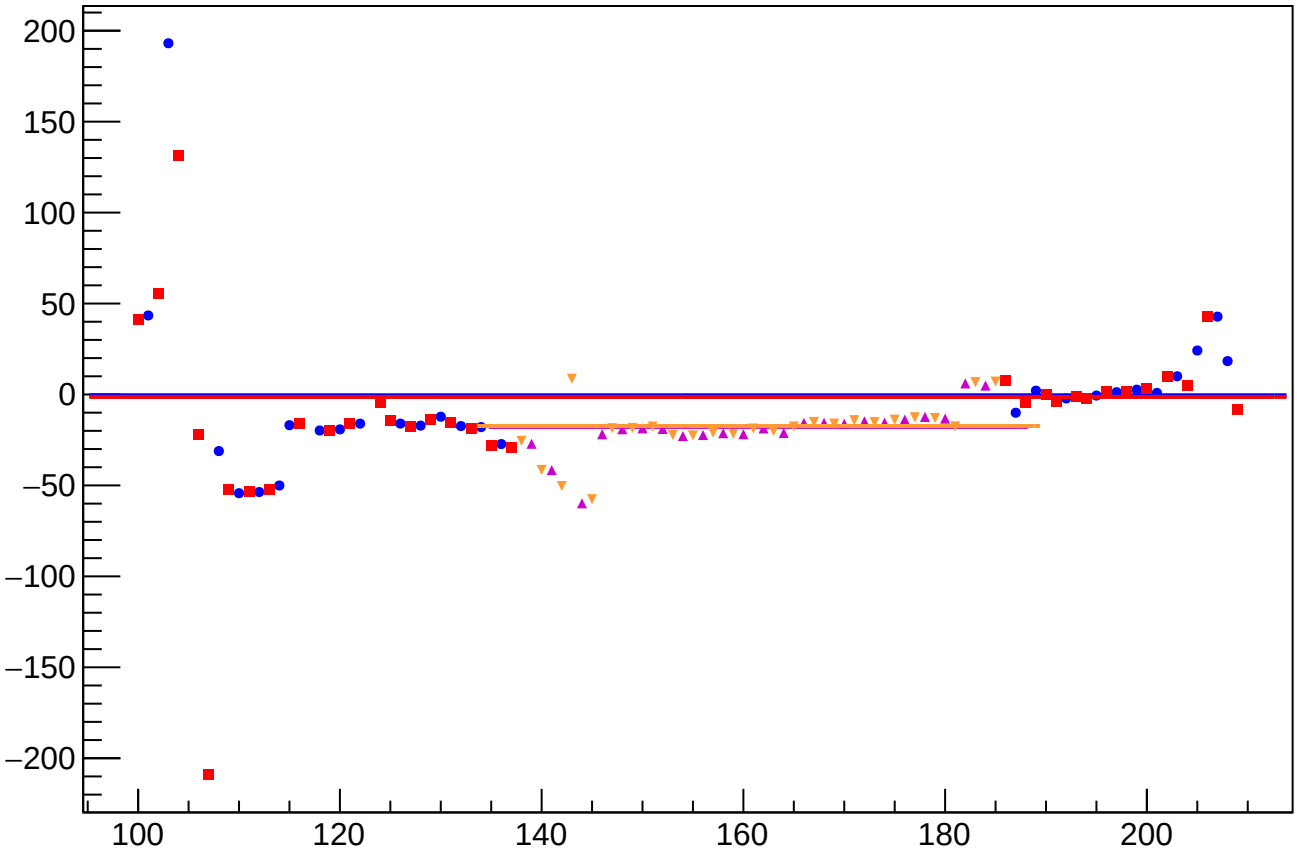
Left: -11.904+/-0.319 χ^2/NDF: 1319.4/47

Right: -24.589+/-0.530 χ^2/NDF: 1513.1/58

In: -15.753+/-0.393 χ^2/NDF:1681.6/49

Out: -14.837+/-0.381 χ^2/NDF:1568.0/56

All: -15.281+/-0.274 χ^2/NDF: 3252.4/106



Right In: -0.427+/-0.036 χ^2/NDF: 643310.9/26

Left Out: -17.330+/-0.020 χ^2/NDF:347790.9/24

Right Out: -1.350+/-0.035 χ^2/NDF: 571196.2/31

Left In: -17.829+/-0.020 χ^2/NDF:267426.0/22

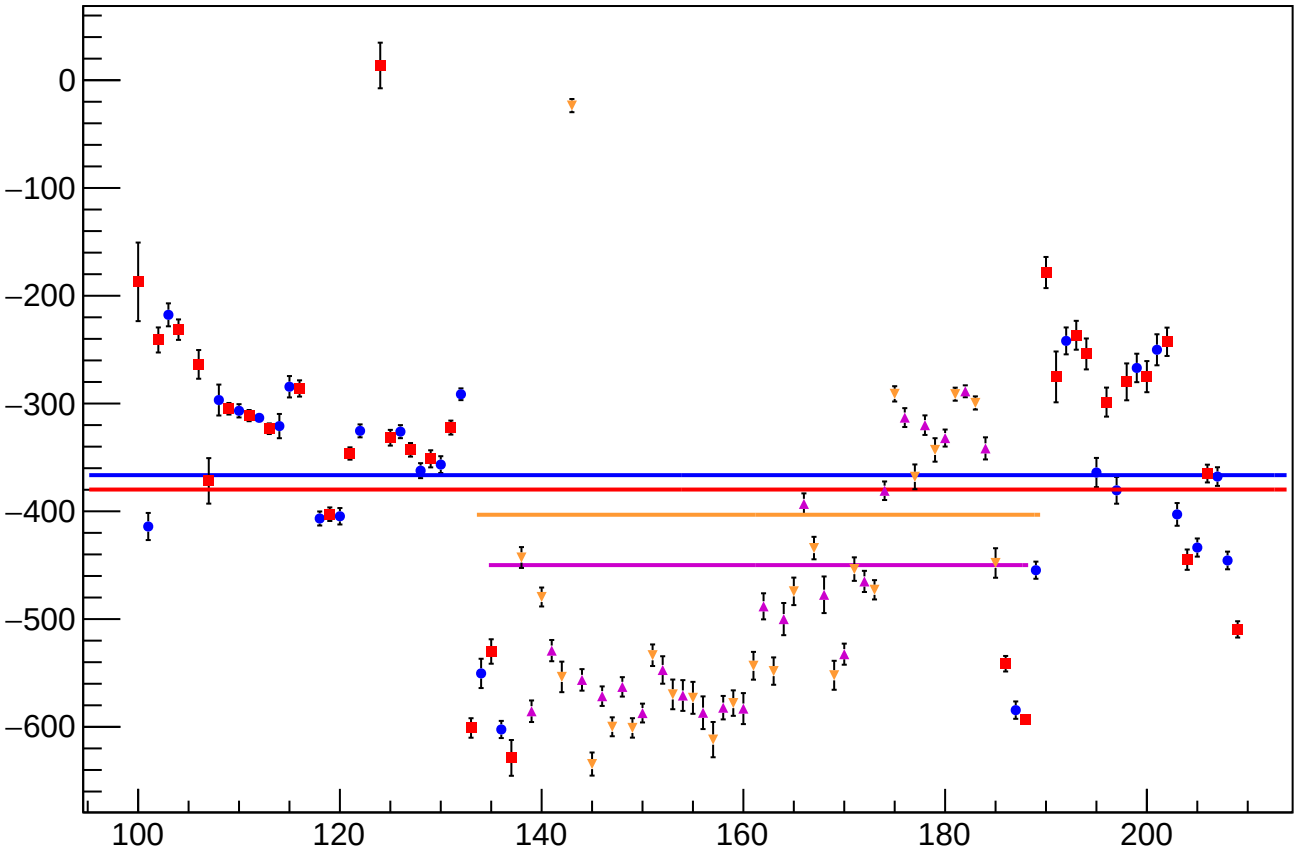
Left: -17.576+/-0.014 χ^2/NDF: 615524.8/47

Right: -0.903+/-0.025 χ^2/NDF: 1214852.1/58

In: -13.575+/-0.018 χ^2/NDF:1090560.7/49

Out: -13.336+/-0.017 χ^2/NDF:1079110.7/56

All: -13.453+/-0.012 χ^2/NDF: 2169765.3/106



Right In: -366.450+/-1.558 χ^2/NDF: 3199.9/26

Left Out: -403.195+/-1.928 χ^2/NDF:7750.3/24

Right Out: -379.801+/-1.449 χ^2/NDF: 6654.5/31

Left In: -449.912+/-2.043 χ^2/NDF:3218.9/22

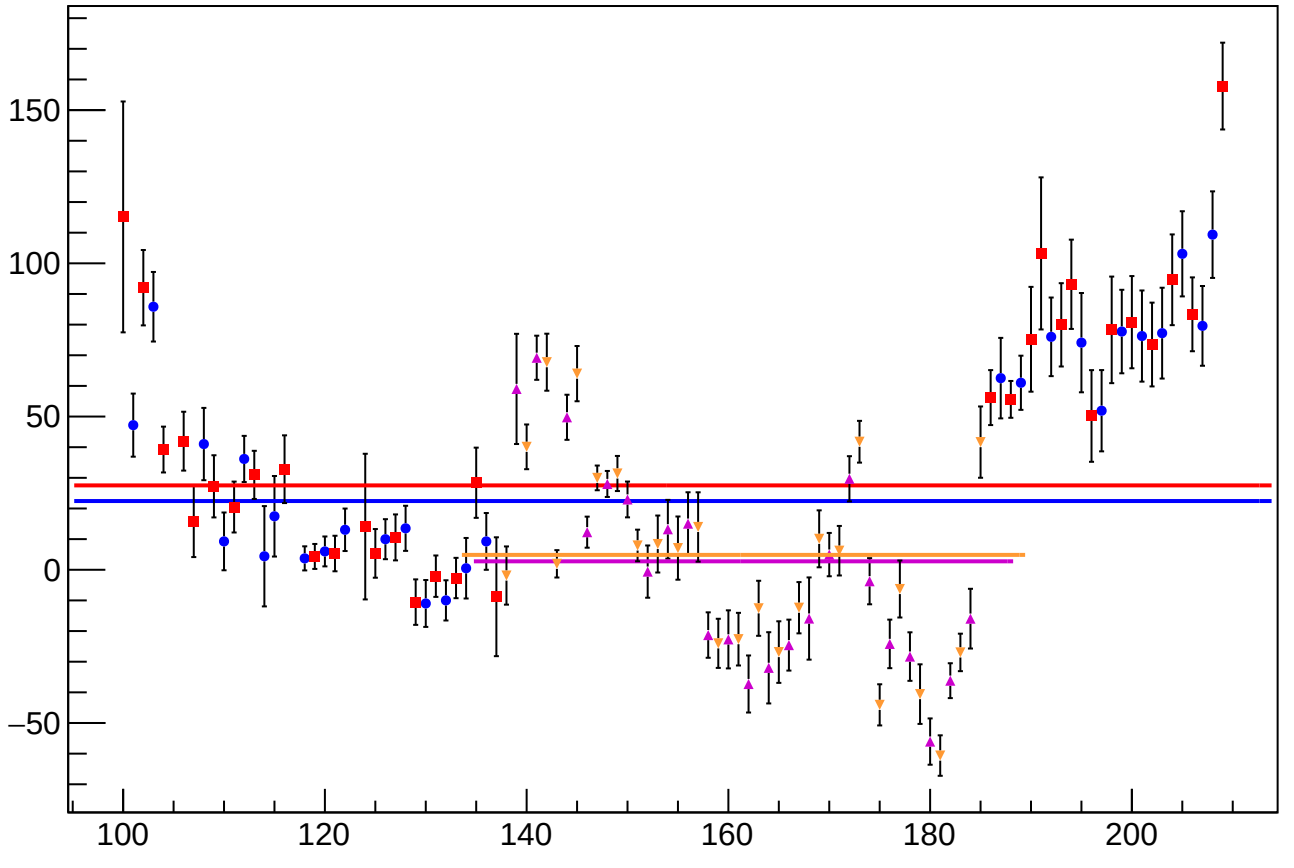
Left: -425.194+/-1.402 χ^2/NDF: 11245.8/47

Right: -373.612+/-1.061 χ^2/NDF: 9893.8/58

In: -397.145+/-1.239 χ^2/NDF:7473.8/49

Out: -388.245+/-1.158 χ^2/NDF:14498.9/56

All: -392.395+/-0.846 χ^2/NDF: 22000.3/106



Right In: 22.429+/-1.668 χ^2/NDF: 332.6/26

Left Out: 4.858+/-1.447 χ^2/NDF:457.2/24

Right Out: 27.535+/-1.622 χ^2/NDF: 415.8/31

Left In: 2.756+/-1.554 χ^2/NDF:399.6/22

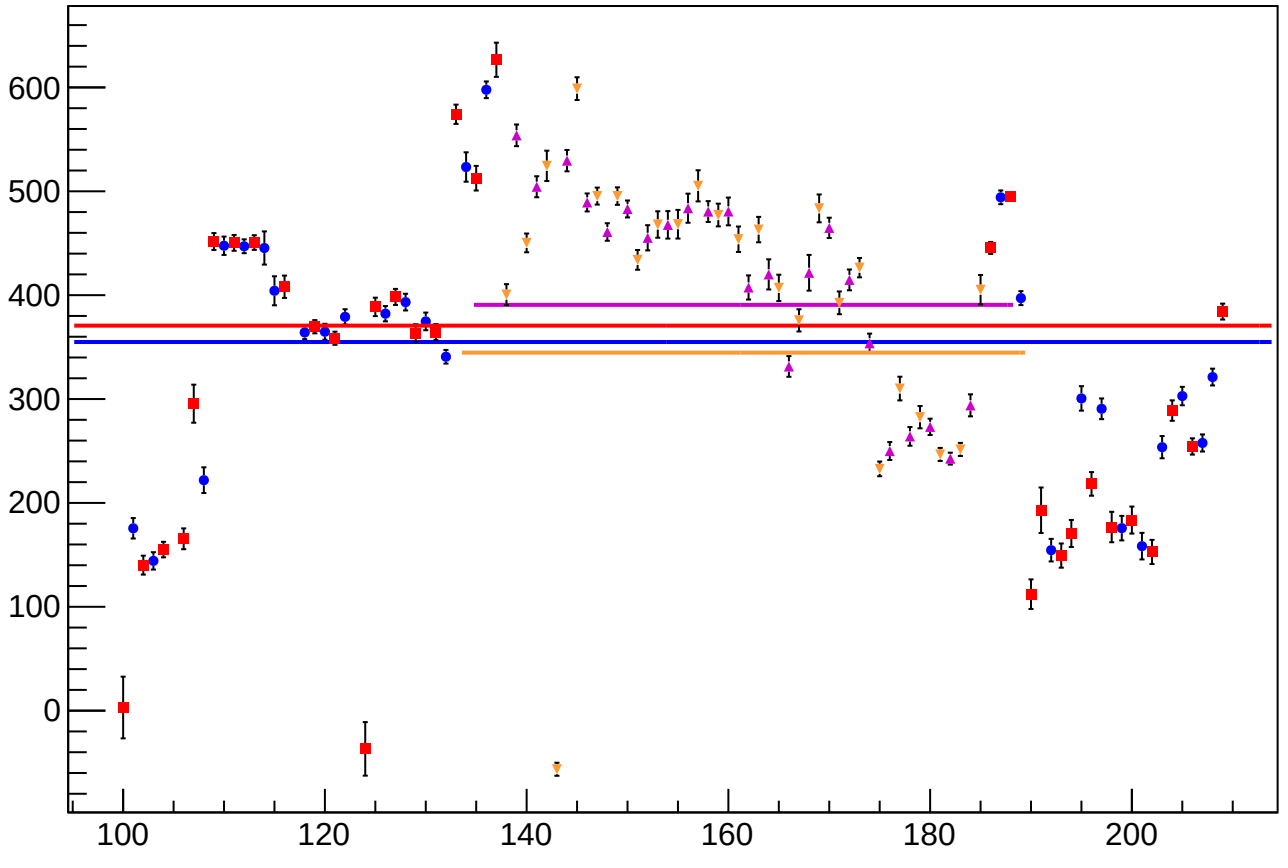
Left: 3.882+/-1.059 χ^2/NDF: 857.8/47

Right: 25.054+/-1.163 χ^2/NDF: 753.2/58

In: 11.897+/-1.137 χ^2/NDF:806.6/49

Out: 14.907+/-1.080 χ^2/NDF:981.8/56

All: 13.480+/-0.783 χ^2/NDF: 1792.2/106



Right In: 354.911+/-1.663 χ^2/NDF: 4176.1/26

Left Out: 344.680+/-1.924 χ^2/NDF:7278.2/24

Right Out: 370.677+/-1.505 χ^2/NDF: 7211.4/31

Left In: 390.672+/-2.029 χ^2/NDF:2672.8/22

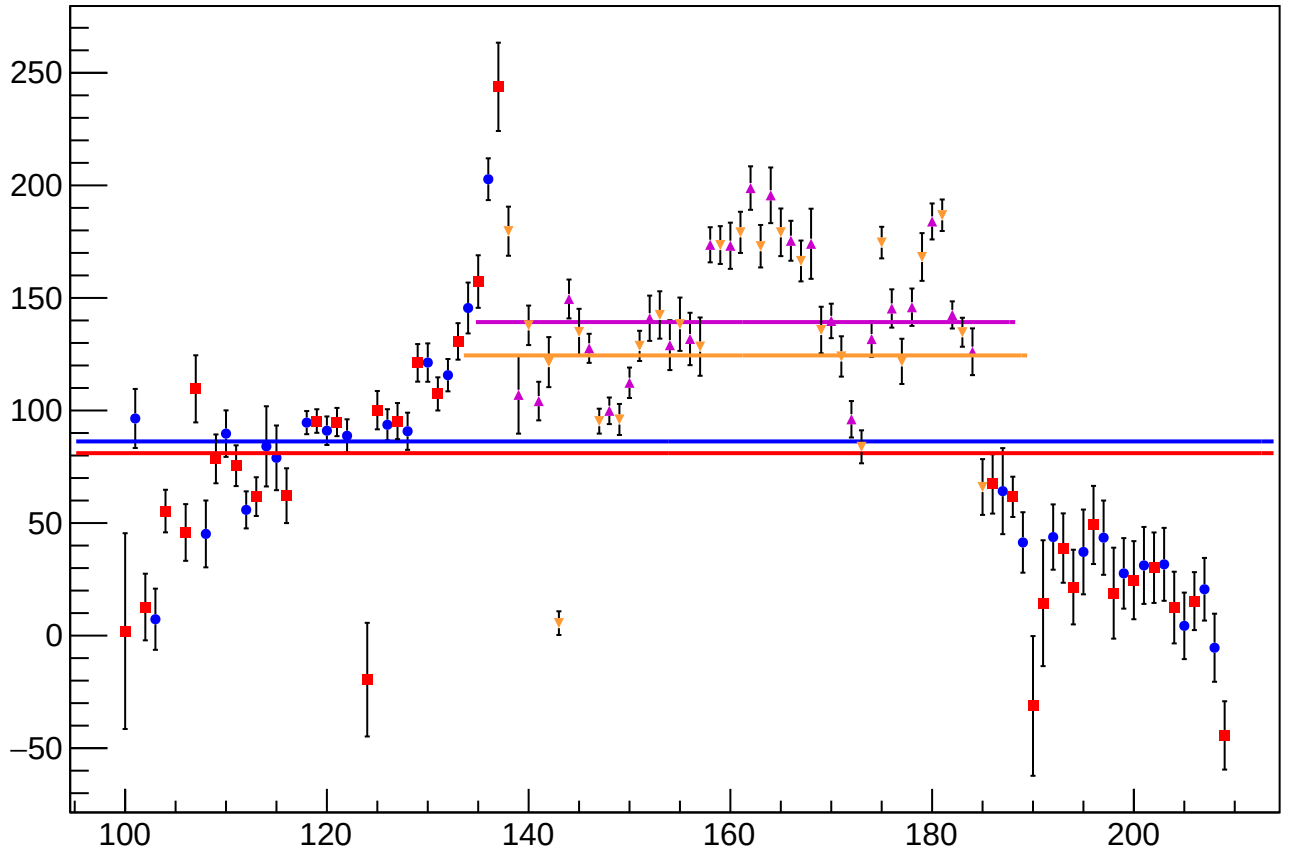
Left: 366.451+/-1.396 χ^2/NDF: 10221.5/47

Right: 363.579+/-1.116 χ^2/NDF: 11436.9/58

In: 369.275+/-1.286 χ^2/NDF:7034.7/49

Out: 360.810+/-1.185 χ^2/NDF:14602.9/56

All: 364.698+/-0.872 χ^2/NDF: 21661.0/106



Right In: 86.261+/-1.952 χ^2/NDF: 439.7/26

Left Out: 124.466+/-1.662 χ^2/NDF:937.6/24

Right Out: 81.050+/-1.908 χ^2/NDF: 464.3/31

Left In: 139.274+/-1.769 χ^2/NDF:260.9/22

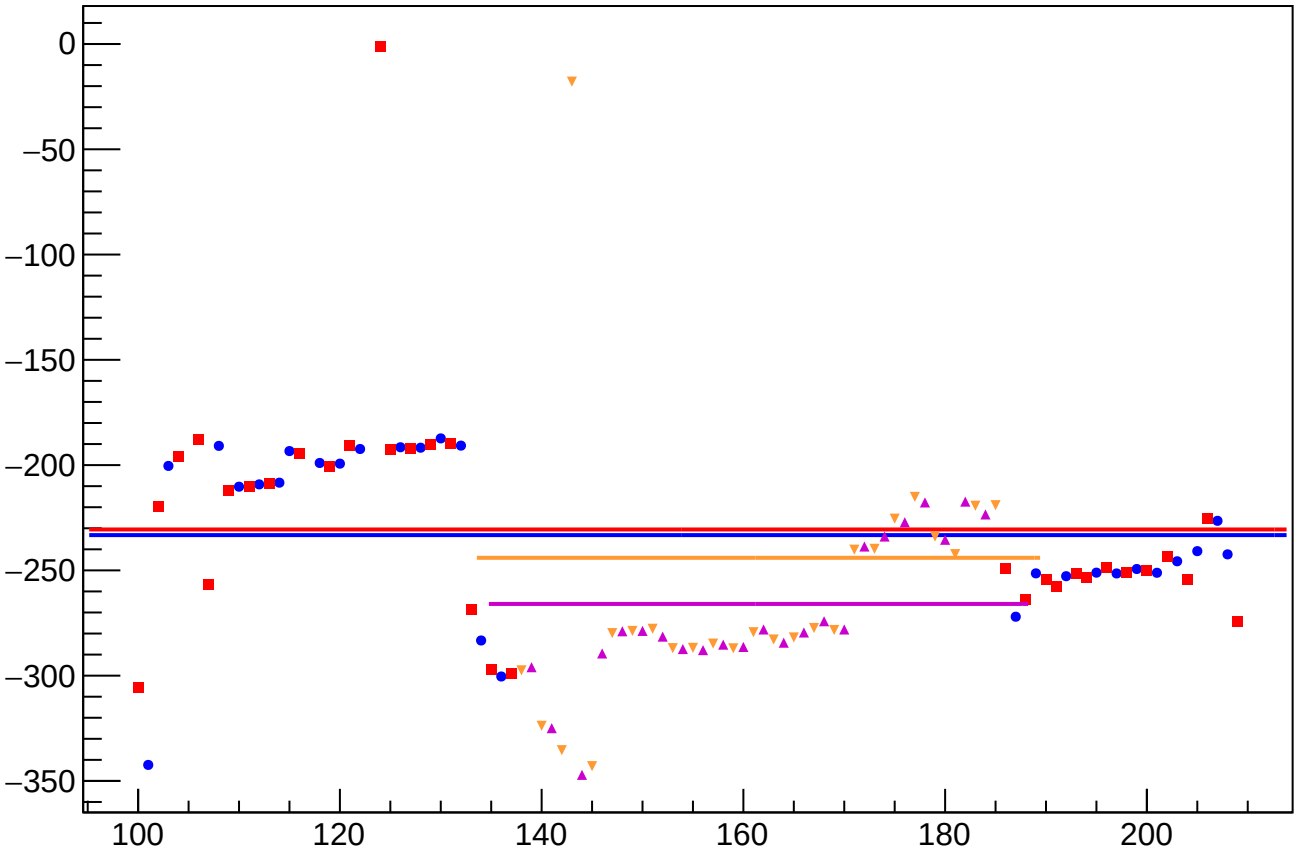
Left: 131.406+/-1.211 χ^2/NDF: 1235.7/47

Right: 83.597+/-1.365 χ^2/NDF: 907.7/58

In: 115.361+/-1.311 χ^2/NDF:1105.5/49

Out: 105.742+/-1.253 χ^2/NDF:1696.3/56

All: 110.335+/-0.906 χ^2/NDF: 2829.9/106



Right In: -233.248+/-0.107 χ^2/NDF: 136096.1/26

Left Out: -244.021+/-0.077 χ^2/NDF:997959.6/24

Right Out: -230.571+/-0.102 χ^2/NDF: 115159.9/31

Left In: -265.945+/-0.081 χ^2/NDF:169943.2/22

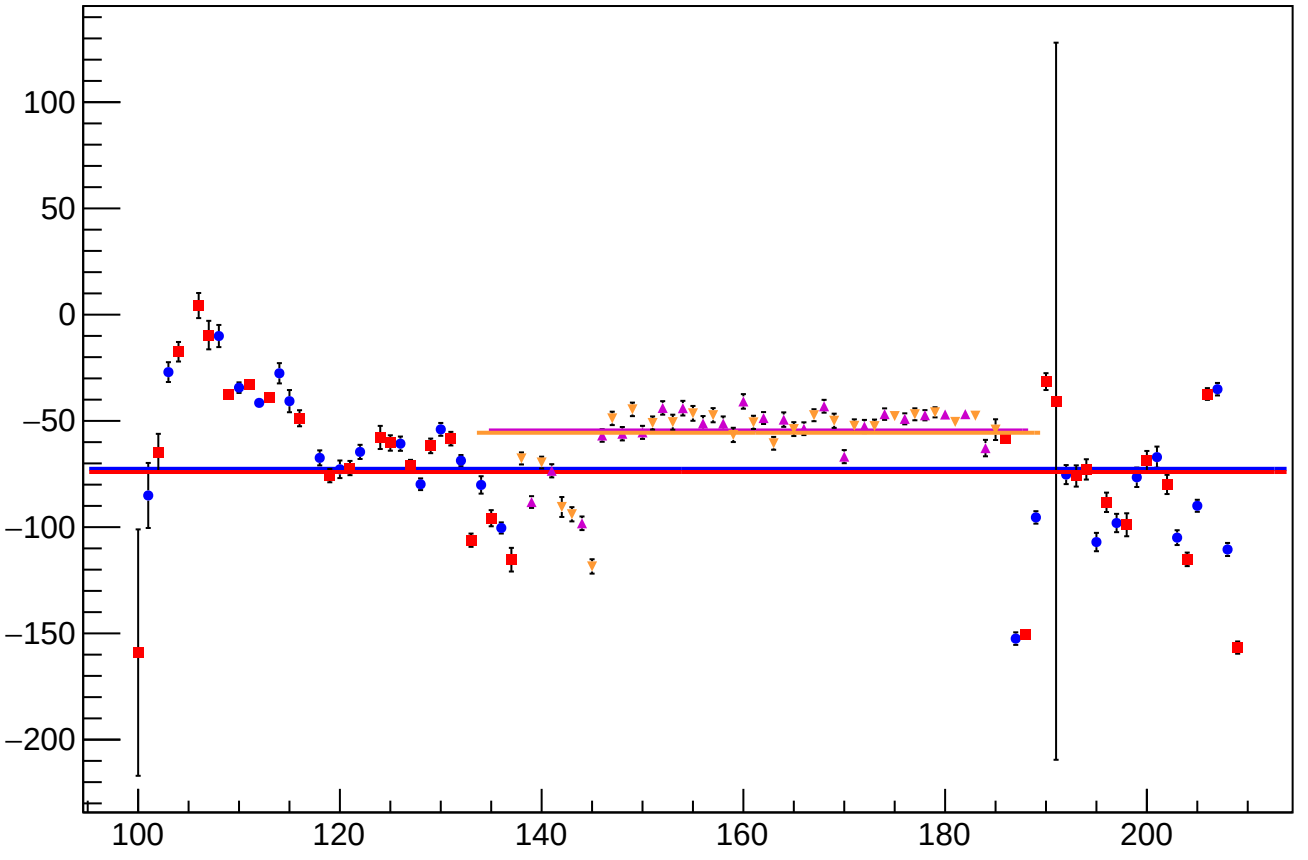
Left: -254.542+/-0.056 χ^2/NDF: 1206480.5/47

Right: -231.847+/-0.074 χ^2/NDF: 251584.7/58

In: -254.098+/-0.064 χ^2/NDF:365811.0/49

Out: -239.108+/-0.062 χ^2/NDF:1124168.7/56

All: -246.285+/-0.044 χ^2/NDF: 1518322.5/10



Right In: -72.545+/-0.651 χ^2/NDF: 2323.5/26

Left Out: -55.575+/-0.590 χ^2/NDF:686.5/24

Right Out: -74.050+/-0.585 χ^2/NDF: 4961.2/31

Left In: -54.499+/-0.606 χ^2/NDF:500.4/22

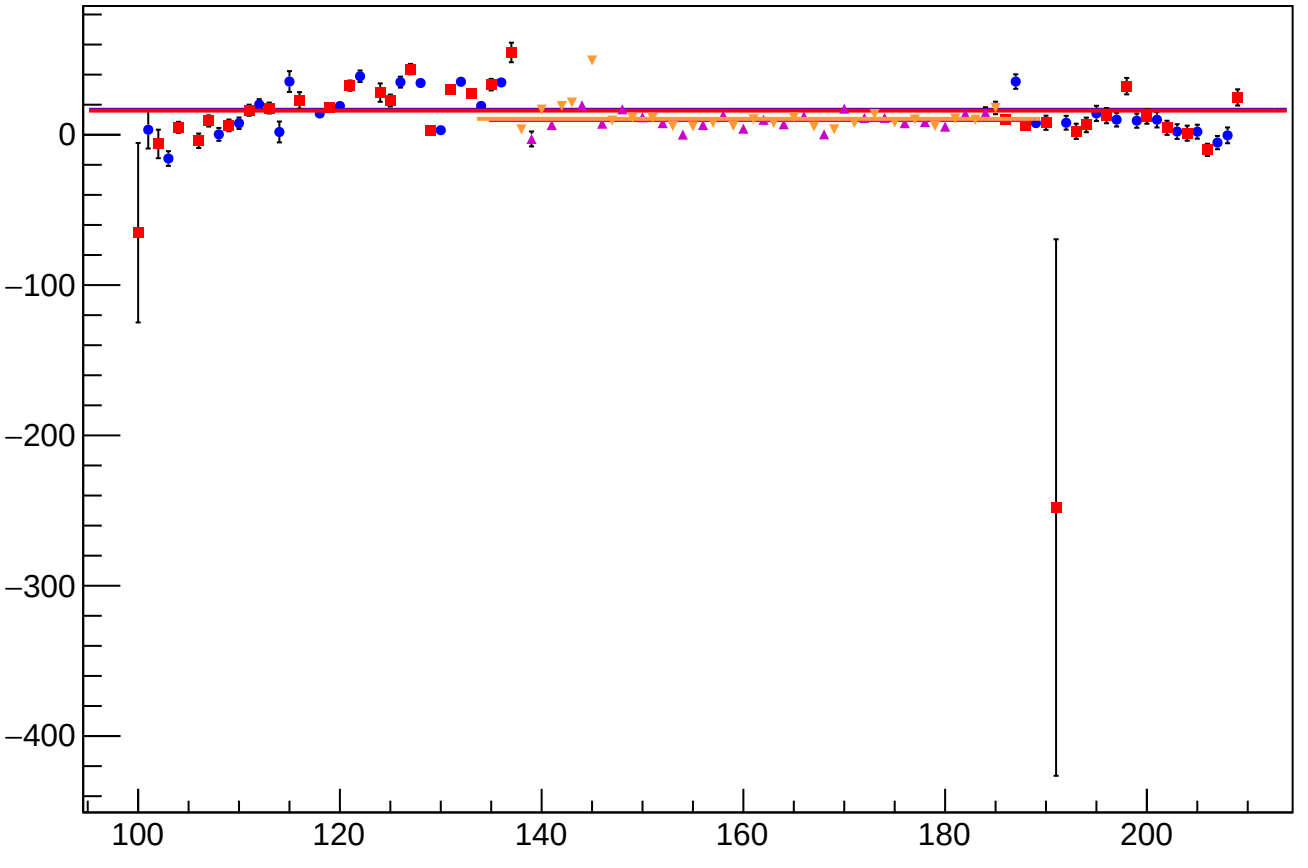
Left: -55.052+/-0.423 χ^2/NDF: 1188.5/47

Right: -73.378+/-0.435 χ^2/NDF: 7287.7/58

In: -62.879+/-0.444 χ^2/NDF:3235.4/49

Out: -64.898+/-0.415 χ^2/NDF:6142.4/56

All: -63.955+/-0.303 χ^2/NDF: 9388.8/106



Right In: 16.606+/-0.733 χ^2/NDF: 347.6/26

Left Out: 10.603+/-0.449 χ^2/NDF:255.2/24

Right Out: 16.078+/-0.674 χ^2/NDF: 363.7/31

Left In: 9.765+/-0.467 χ^2/NDF:121.0/22

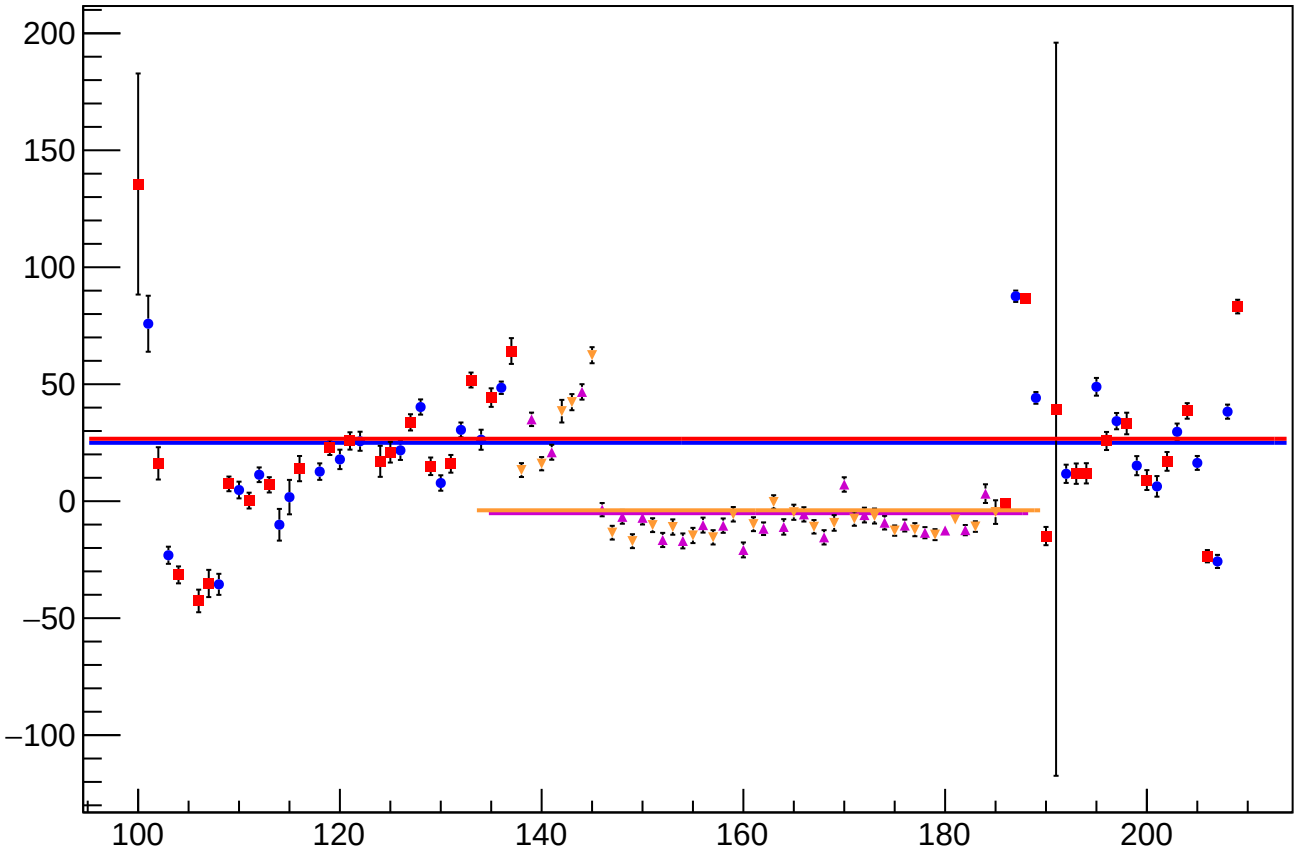
Left: 10.200+/-0.324 χ^2/NDF: 377.8/47

Right: 16.320+/-0.496 χ^2/NDF: 711.7/58

In: 11.738+/-0.394 χ^2/NDF:530.6/49

Out: 12.288+/-0.374 χ^2/NDF:664.6/56

All: 12.028+/-0.271 χ^2/NDF: 1196.2/106



Right In: 24.958+/-0.677 χ^2/NDF: 1768.6/26

Left Out: -3.895+/-0.585 χ^2/NDF:850.2/24

Right Out: 26.689+/-0.586 χ^2/NDF: 4055.5/31

Left In: -5.124+/-0.600 χ^2/NDF:649.7/22

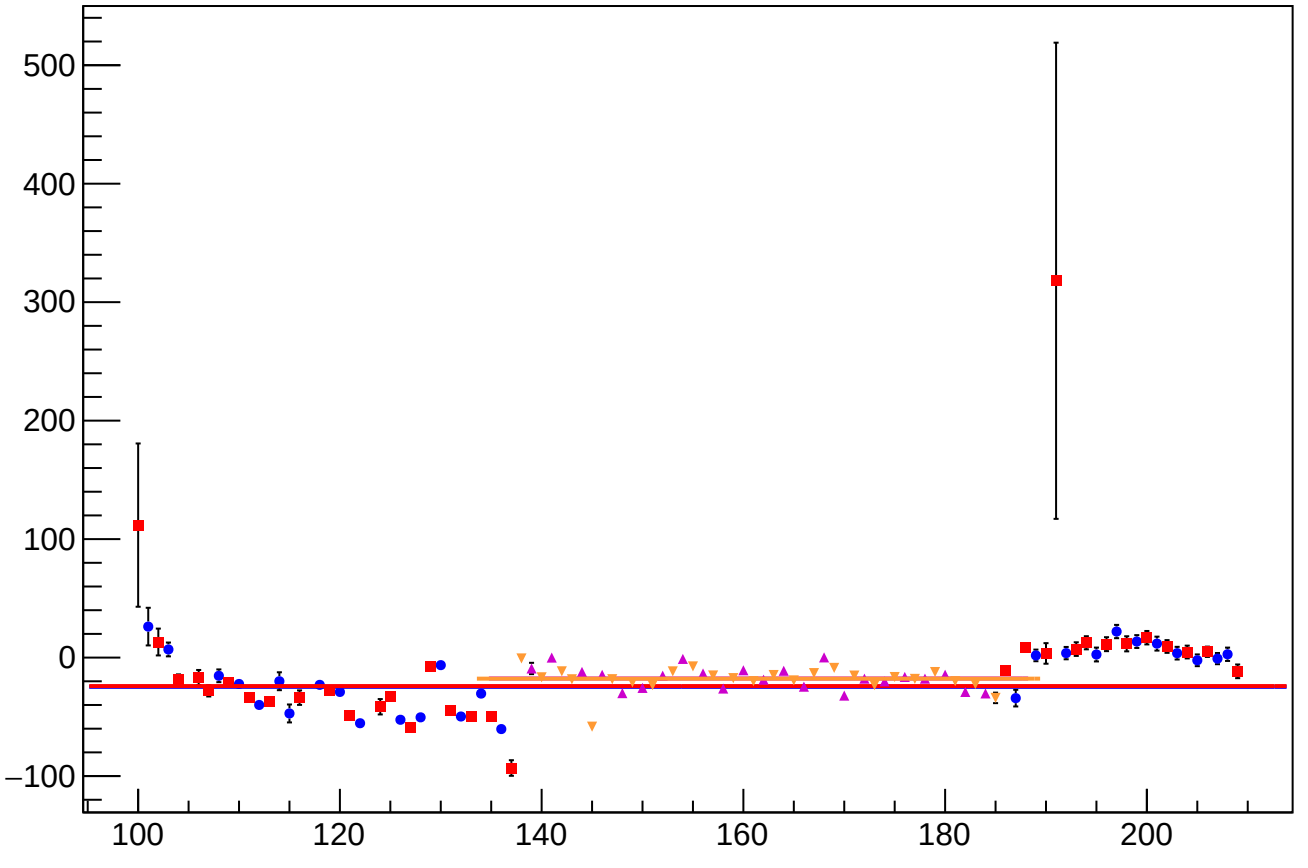
Left: -4.494+/-0.419 χ^2/NDF: 1502.0/47

Right: 25.948+/-0.443 χ^2/NDF: 5827.8/58

In: 8.093+/-0.449 χ^2/NDF:3524.1/49

Out: 11.367+/-0.414 χ^2/NDF:6269.3/56

All: 9.862+/-0.304 χ^2/NDF: 9822.1/106



Right In: -24.681+/-0.847 χ^2/NDF: 790.7/26

Left Out: -17.776+/-0.509 χ^2/NDF:251.6/24

Right Out: -24.048+/-0.803 χ^2/NDF: 900.7/31

Left In: -17.643+/-0.526 χ^2/NDF:285.9/22

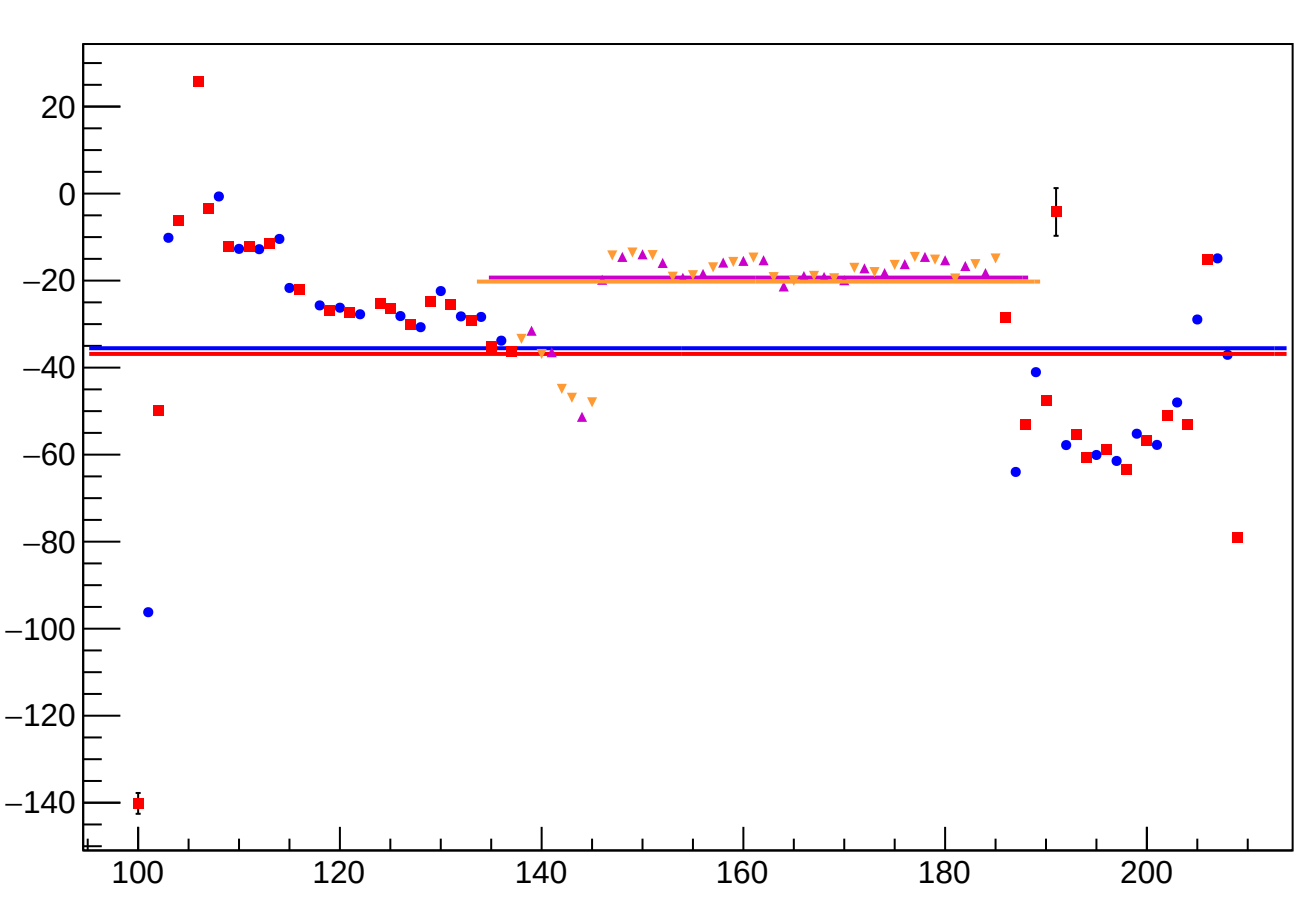
Left: -17.712+/-0.366 χ^2/NDF: 537.5/47

Right: -24.347+/-0.583 χ^2/NDF: 1691.7/58

In: -19.602+/-0.447 χ^2/NDF:1126.4/49

Out: -19.573+/-0.430 χ^2/NDF:1195.8/56

All: -19.587+/-0.310 χ^2/NDF: 2322.2/106



Right In: -35.543+/-0.041 χ^2/NDF: 212691.0/26

Left Out: -20.227+/-0.023 χ^2/NDF:147352.7/24

Right Out: -36.850+/-0.040 χ^2/NDF: 316555.3/31

Left In: -19.310+/-0.023 χ^2/NDF:93090.9/22

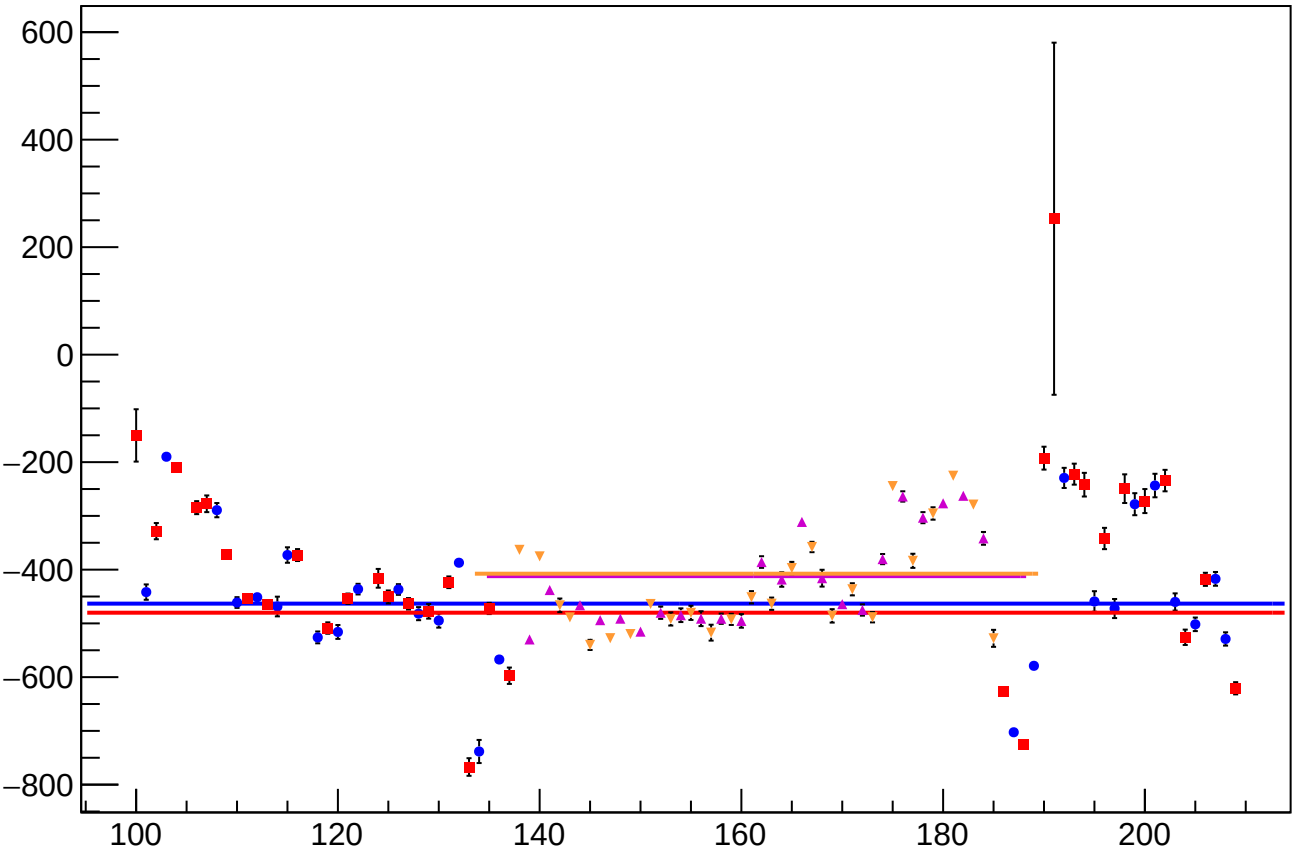
Left: -19.776+/-0.016 χ^2/NDF: 241234.1/47

Right: -36.211+/-0.029 χ^2/NDF: 529766.9/58

In: -23.268+/-0.020 χ^2/NDF:424493.2/49

Out: -24.314+/-0.020 χ^2/NDF:593959.7/56

All: -23.801+/-0.014 χ^2/NDF: 1019814.7/106



Right In: -463.232+/-2.246 χ^2/NDF: 2857.5/26

Left Out: -407.554+/-1.951 χ^2/NDF:2872.6/24

Right Out: -480.107+/-1.997 χ^2/NDF: 6270.0/31

Left In: -412.102+/-2.008 χ^2/NDF:2182.3/22

Left: -409.762+/-1.399 χ^2/NDF: 5057.5/47

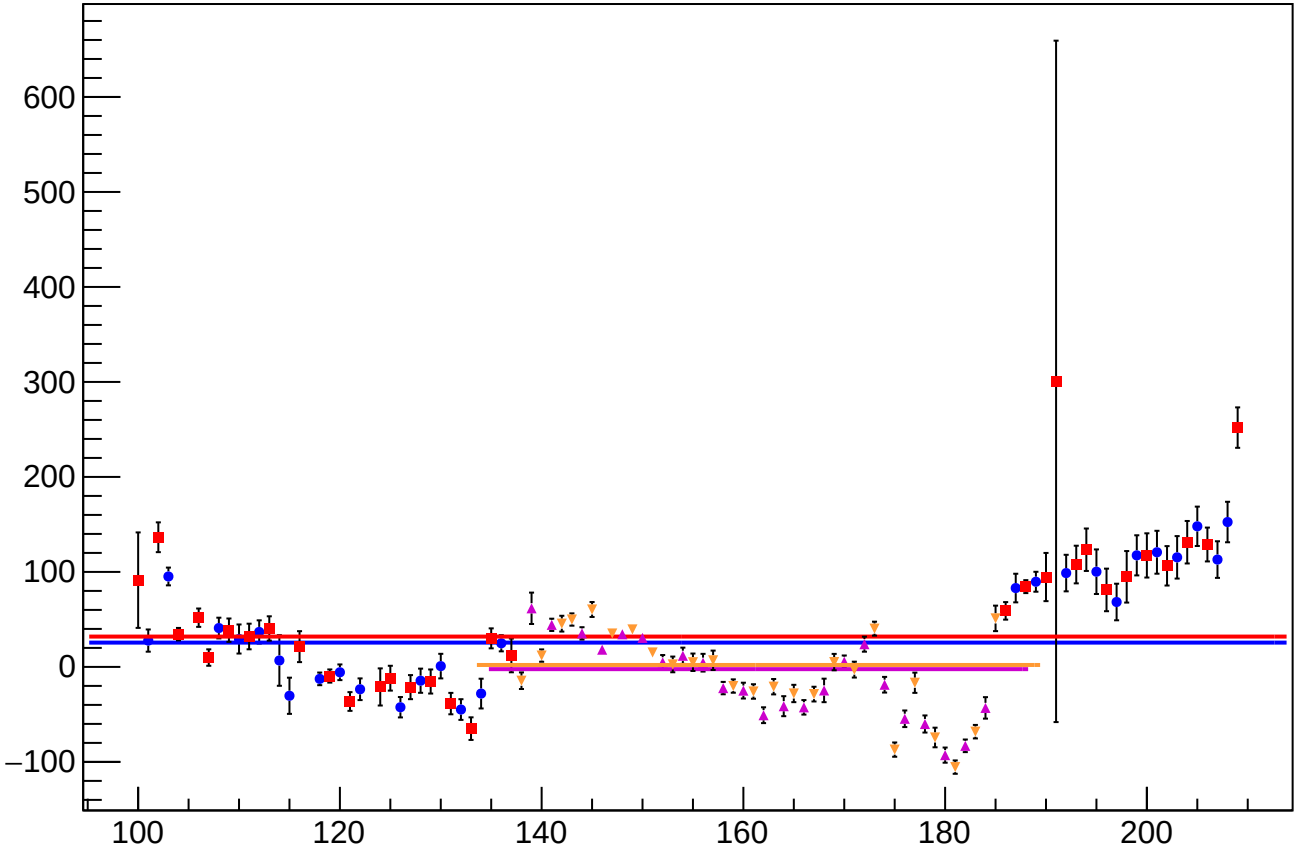
Right: -472.657+/-1.493 χ^2/NDF: 9159.0/58

In: -434.815+/-1.497 χ^2/NDF:5327.7/49

Out: -442.979+/-1.396 χ^2/NDF:9817.8/56

All: -439.183+/-1.021 χ^2/NDF: 15161.4/106

reg_asym_atr2_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 25.587+/-2.436 χ^2/NDF: 465.6/26

Left Out: 2.035+/-1.426 χ^2/NDF:910.7/24

Right Out: 31.933+/-2.197 χ^2/NDF: 597.7/31

Left In: -2.365+/-1.482 χ^2/NDF:733.4/22

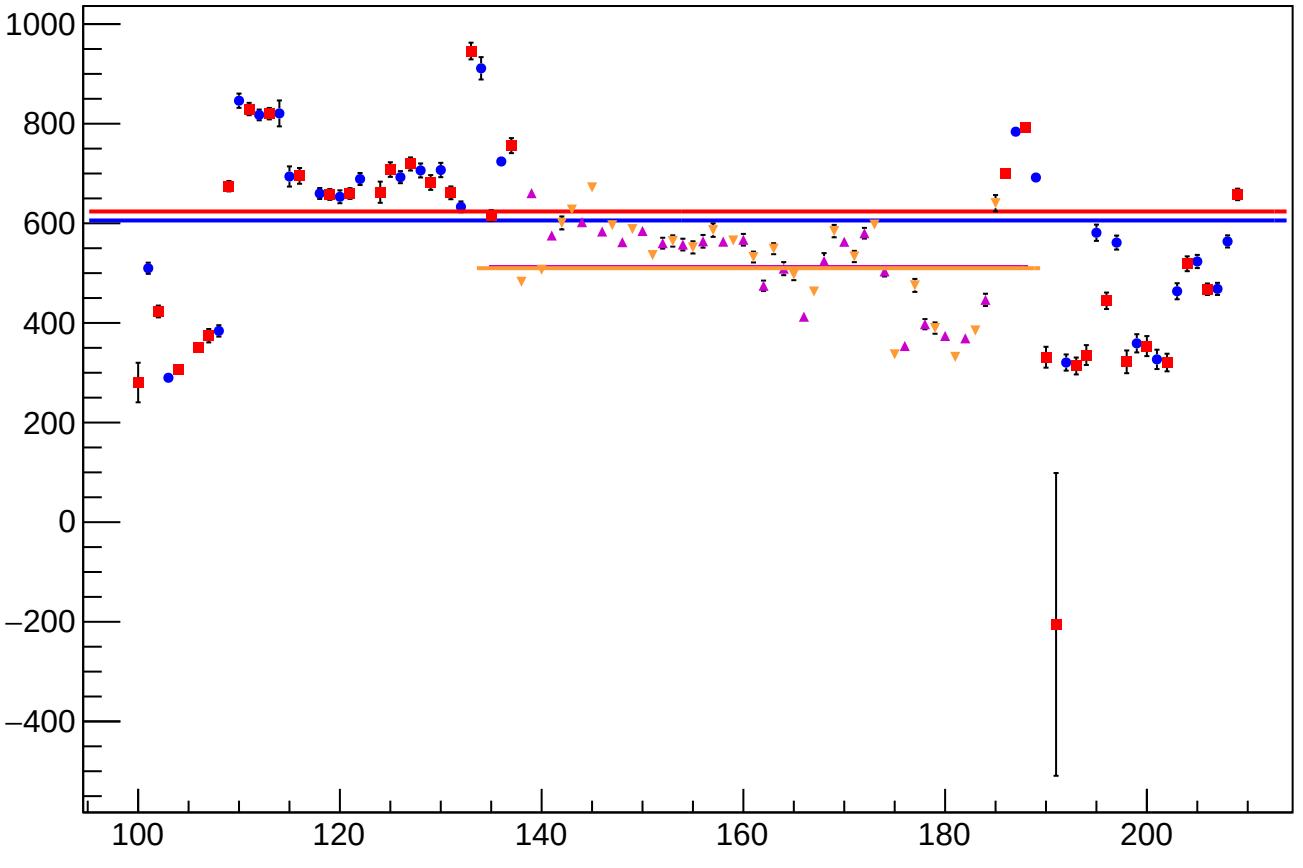
Left: -0.080+/-1.028 χ^2/NDF: 1648.7/47

Right: 29.087+/-1.631 χ^2/NDF: 1067.1/58

In: 5.189+/-1.266 χ^2/NDF:1295.1/49

Out: 10.899+/-1.196 χ^2/NDF:1638.8/56

All: 8.207+/-0.870 χ^2/NDF: 2944.6/106



Right In: 605.708+/-2.267 χ^2/NDF: 5526.7/26

Left Out: 509.912+/-1.936 χ^2/NDF:2662.6/24

Right Out: 623.784+/-1.952 χ^2/NDF: 8815.6/31

Left In: 512.270+/-1.984 χ^2/NDF:2087.6/22

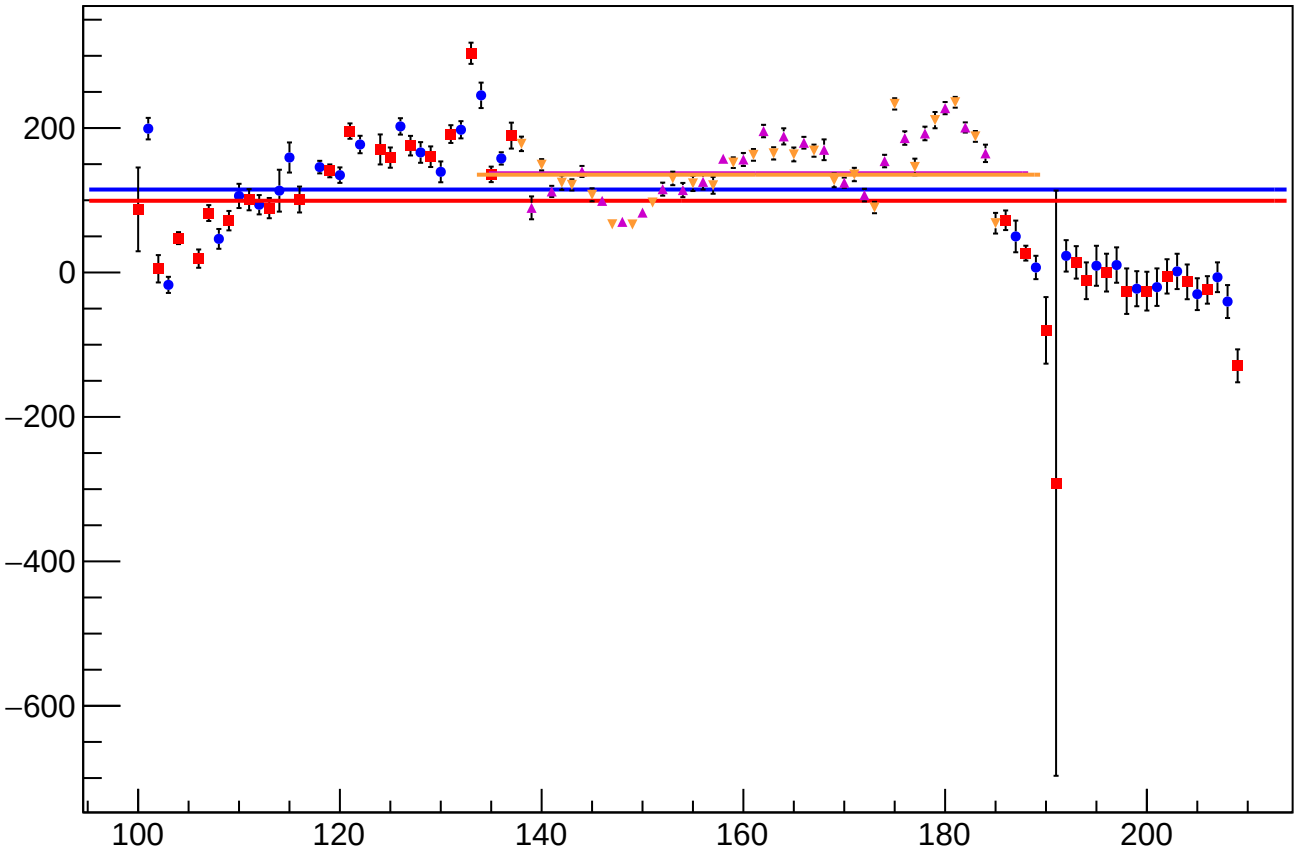
Left: 511.062+/-1.385 χ^2/NDF: 4751.0/47

Right: 616.090+/-1.479 χ^2/NDF: 14378.8/58

In: 552.783+/-1.493 χ^2/NDF:8576.1/49

Out: 566.367+/-1.374 χ^2/NDF:13194.0/56

All: 560.136+/-1.011 χ^2/NDF: 21815.0/106



Right In: 114.864+/-2.853 χ^2/NDF: 759.1/26

Left Out: 135.407+/-1.649 χ^2/NDF:923.2/24

Right Out: 99.290+/-2.639 χ^2/NDF: 920.1/31

Left In: 137.374+/-1.702 χ^2/NDF:706.0/22

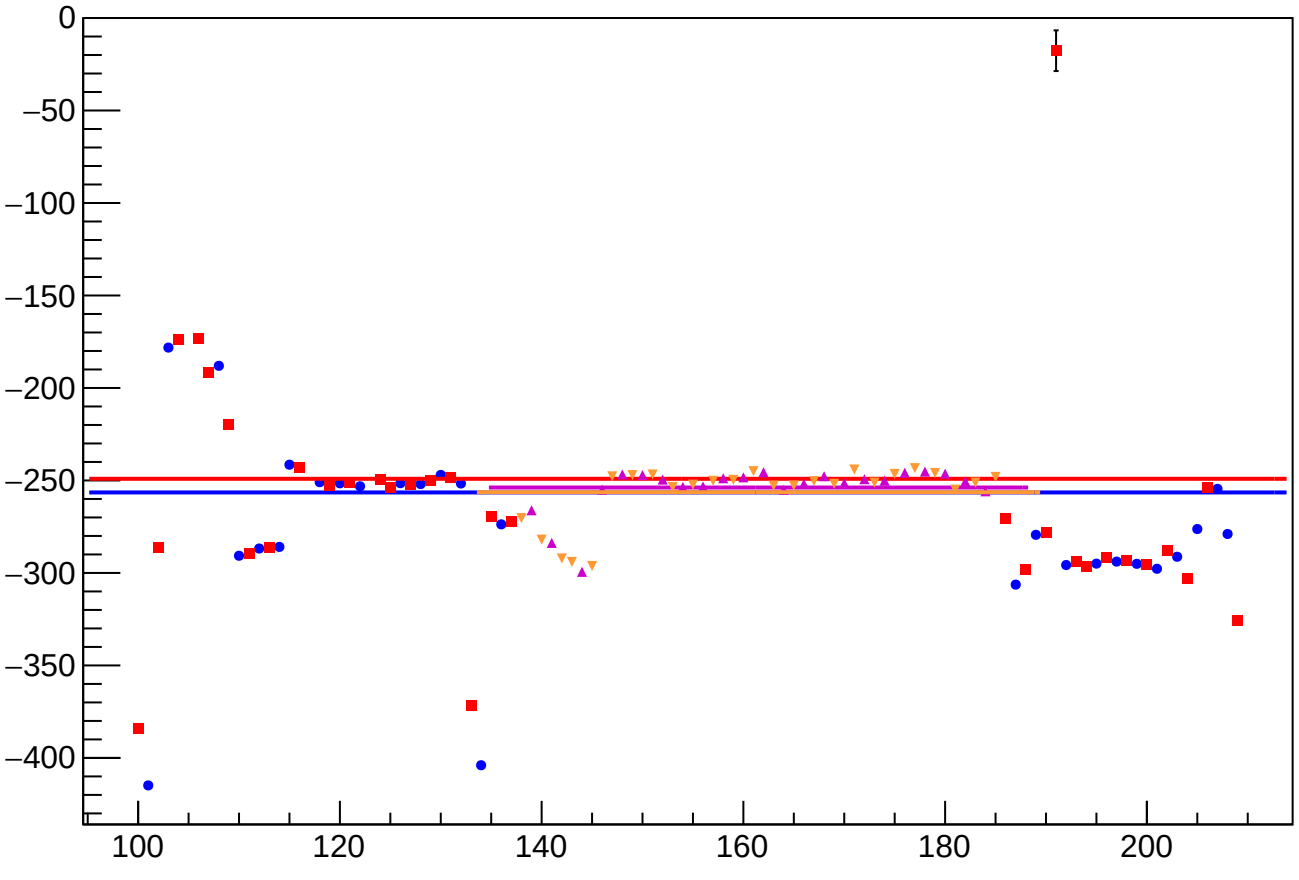
Left: 136.359+/-1.184 χ^2/NDF: 1629.8/47

Right: 106.470+/-1.937 χ^2/NDF: 1695.2/58

In: 131.464+/-1.462 χ^2/NDF:1511.0/49

Out: 125.264+/-1.398 χ^2/NDF:1978.0/56

All: 128.227+/-1.010 χ^2/NDF: 3498.3/106



Right In: -256.481+/-0.136 χ^2/NDF: 198460.6/26

Left Out: -256.344+/-0.077 χ^2/NDF:39513.4/24

Right Out: -249.104+/-0.130 χ^2/NDF: 153684.7/31

Left In: -253.817+/-0.078 χ^2/NDF:24076.7/22

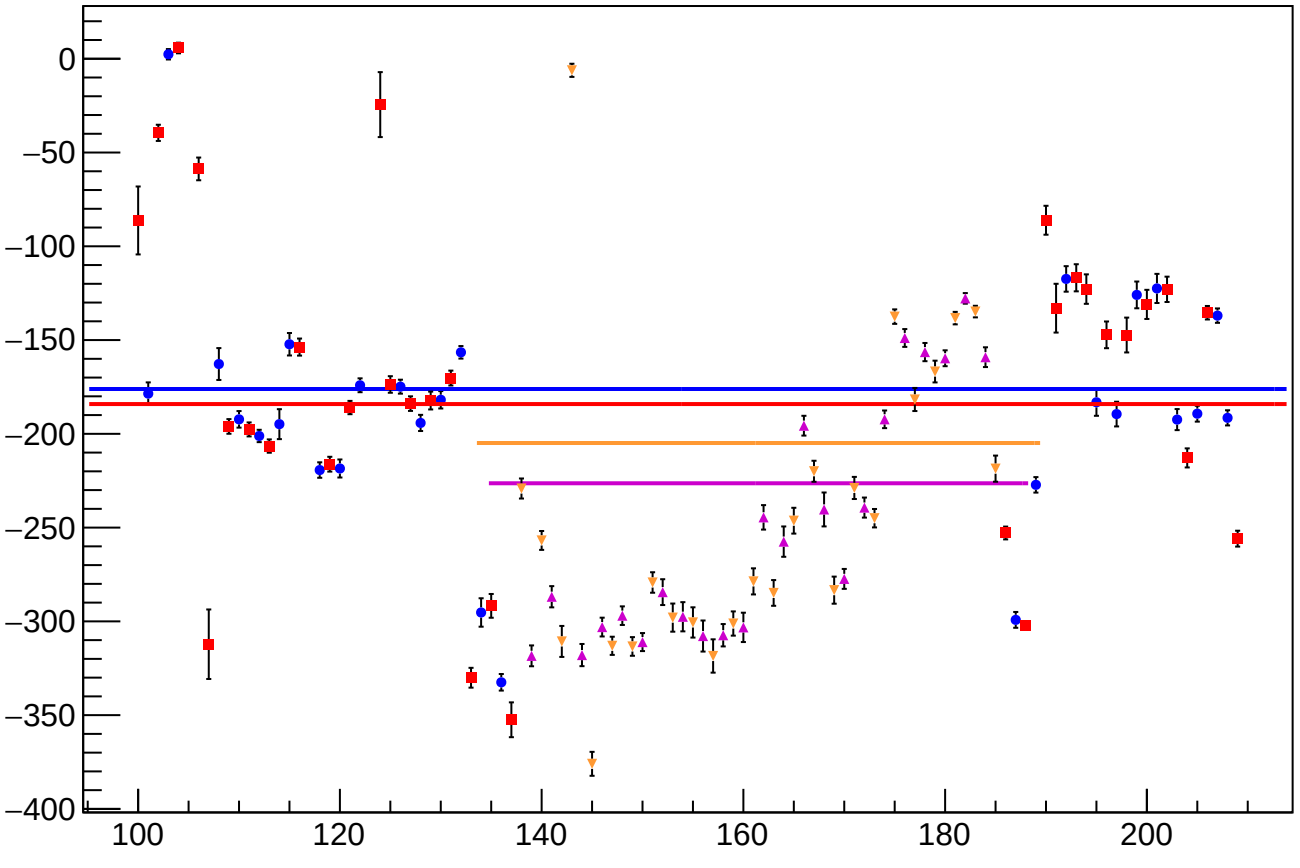
Left: -255.094+/-0.055 χ^2/NDF: 64122.7/47

Right: -252.626+/-0.094 χ^2/NDF: 353680.4/58

In: -254.474+/-0.068 χ^2/NDF:222825.9/49

Out: -254.466+/-0.066 χ^2/NDF:195491.7/56

All: -254.470+/-0.047 χ^2/NDF: 418317.6/106



Right In: -176.094+/-0.879 χ^2/NDF: 7276.6/26

Left Out: -204.891+/-1.052 χ^2/NDF:7826.3/24

Right Out: -184.125+/-0.817 χ^2/NDF: 11858.9/31

Left In: -226.365+/-1.105 χ^2/NDF:4219.0/22

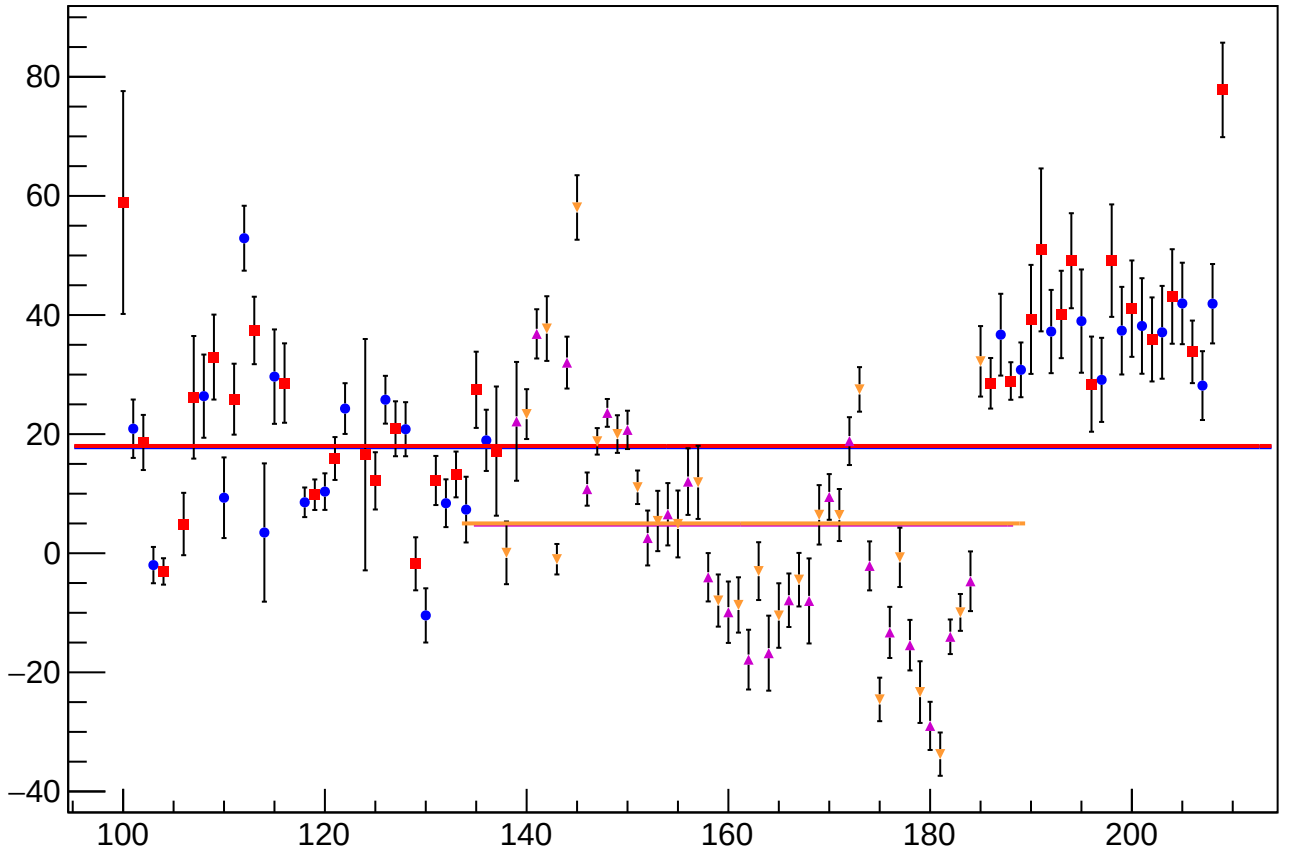
Left: -215.101+/-0.762 χ^2/NDF: 12243.4/47

Right: -180.403+/-0.598 χ^2/NDF: 19180.3/58

In: -195.567+/-0.688 χ^2/NDF:12763.7/49

Out: -191.933+/-0.645 χ^2/NDF:19928.4/56

All: -193.634+/-0.470 χ^2/NDF: 32706.9/106



Right In: 17.806+/-0.949 χ^2/NDF: 245.1/26

Left Out: 5.006+/-0.793 χ^2/NDF:548.5/24

Right Out: 18.012+/-0.887 χ^2/NDF: 316.7/31

Left In: 4.799+/-0.846 χ^2/NDF:426.3/22

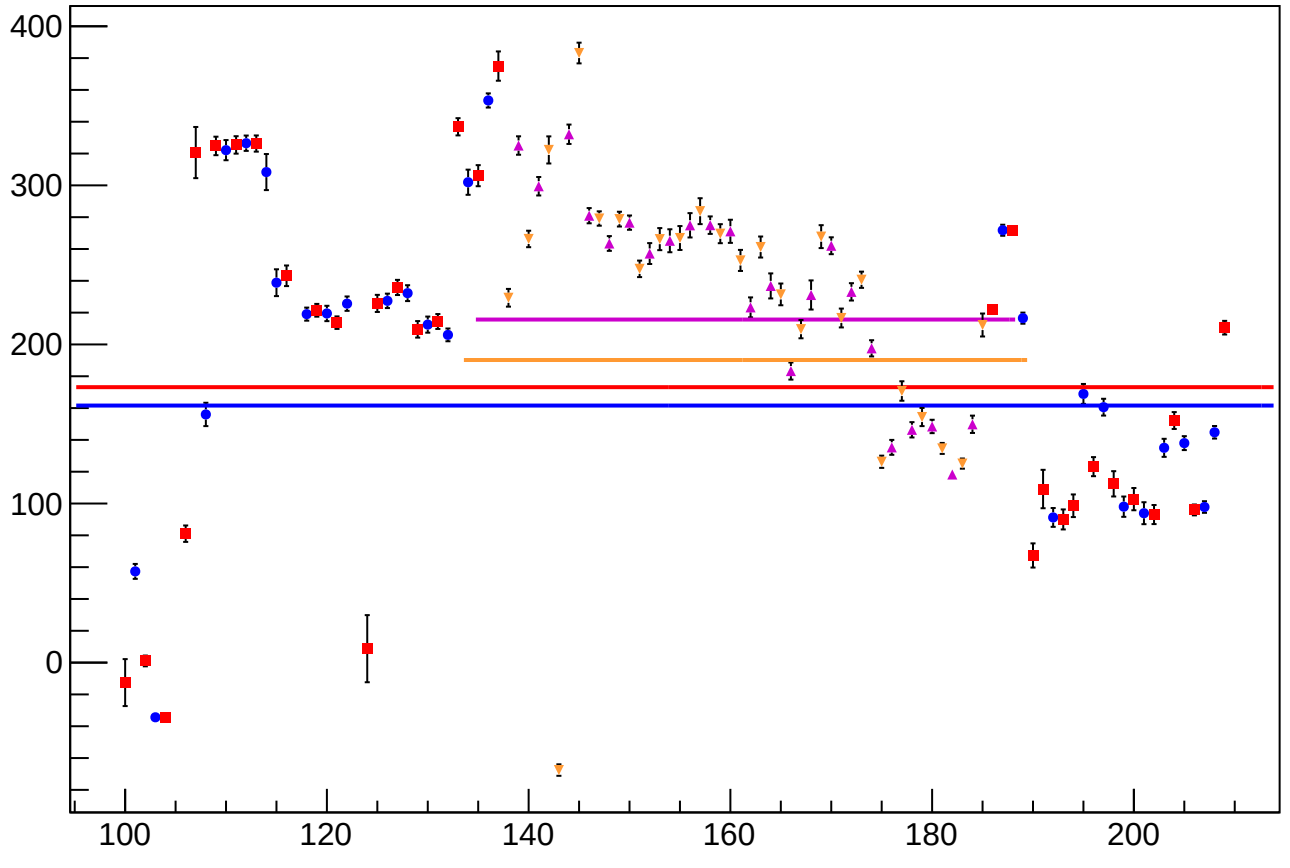
Left: 4.909+/-0.579 χ^2/NDF: 974.8/47

Right: 17.916+/-0.648 χ^2/NDF: 561.8/58

In: 10.559+/-0.632 χ^2/NDF:776.0/49

Out: 10.785+/-0.591 χ^2/NDF:984.6/56

All: 10.679+/-0.432 χ^2/NDF: 1760.7/106



Right In: 161.584+/-0.879 χ^2/NDF: 15920.6/26

Left Out: 190.219+/-1.050 χ^2/NDF:9384.0/24

Right Out: 173.144+/-0.794 χ^2/NDF: 21445.8/31

Left In: 215.649+/-1.098 χ^2/NDF:3886.0/22

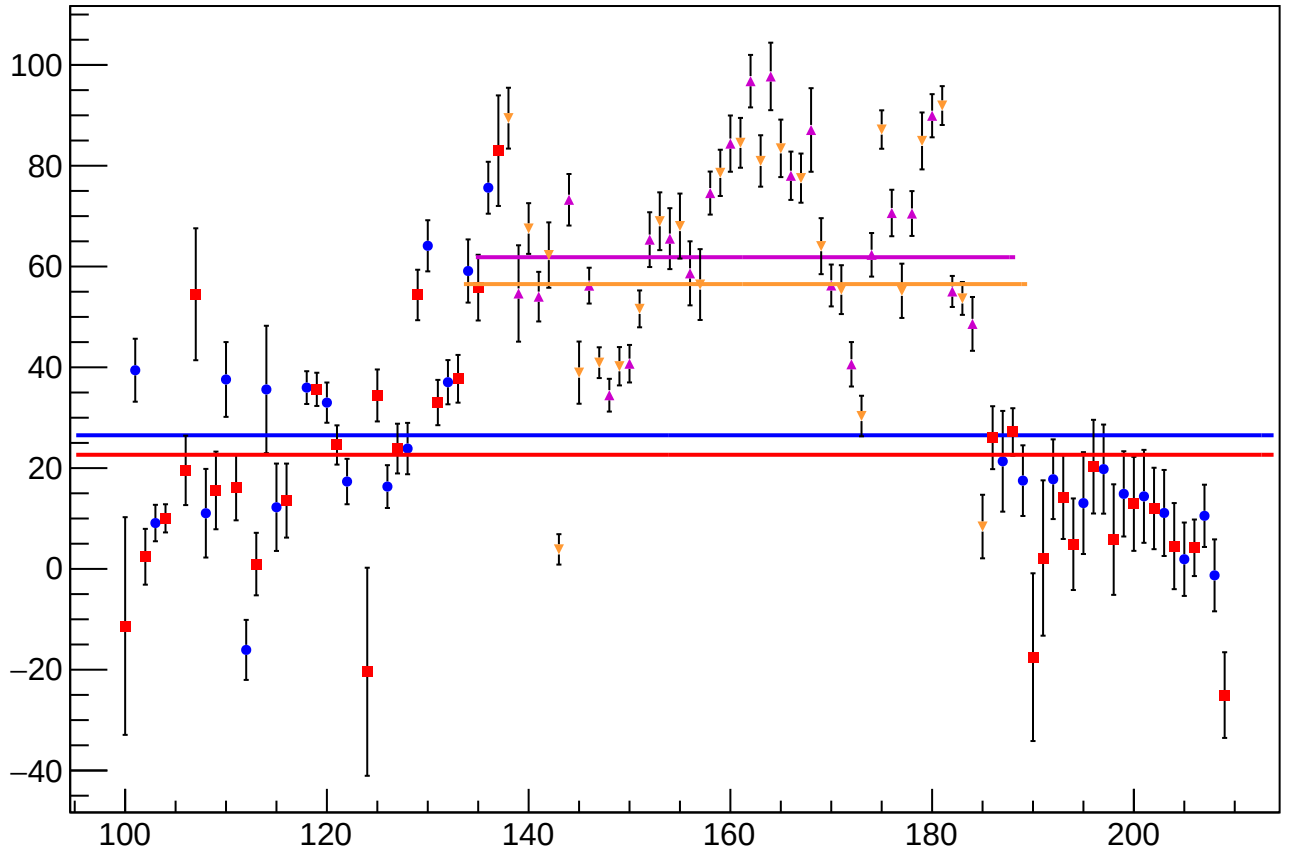
Left: 202.363+/-0.759 χ^2/NDF: 13550.1/47

Right: 167.952+/-0.589 χ^2/NDF: 37461.6/58

In: 182.696+/-0.686 χ^2/NDF:21283.6/49

Out: 179.352+/-0.633 χ^2/NDF:30998.0/56

All: 180.890+/-0.465 χ^2/NDF: 52294.5/106



Right In: 26.517+/-1.112 χ^2/NDF: 332.7/26

Left Out: 56.514+/-0.909 χ^2/NDF:798.9/24

Right Out: 22.647+/-1.059 χ^2/NDF: 260.7/31

Left In: 61.850+/-0.961 χ^2/NDF:320.7/22

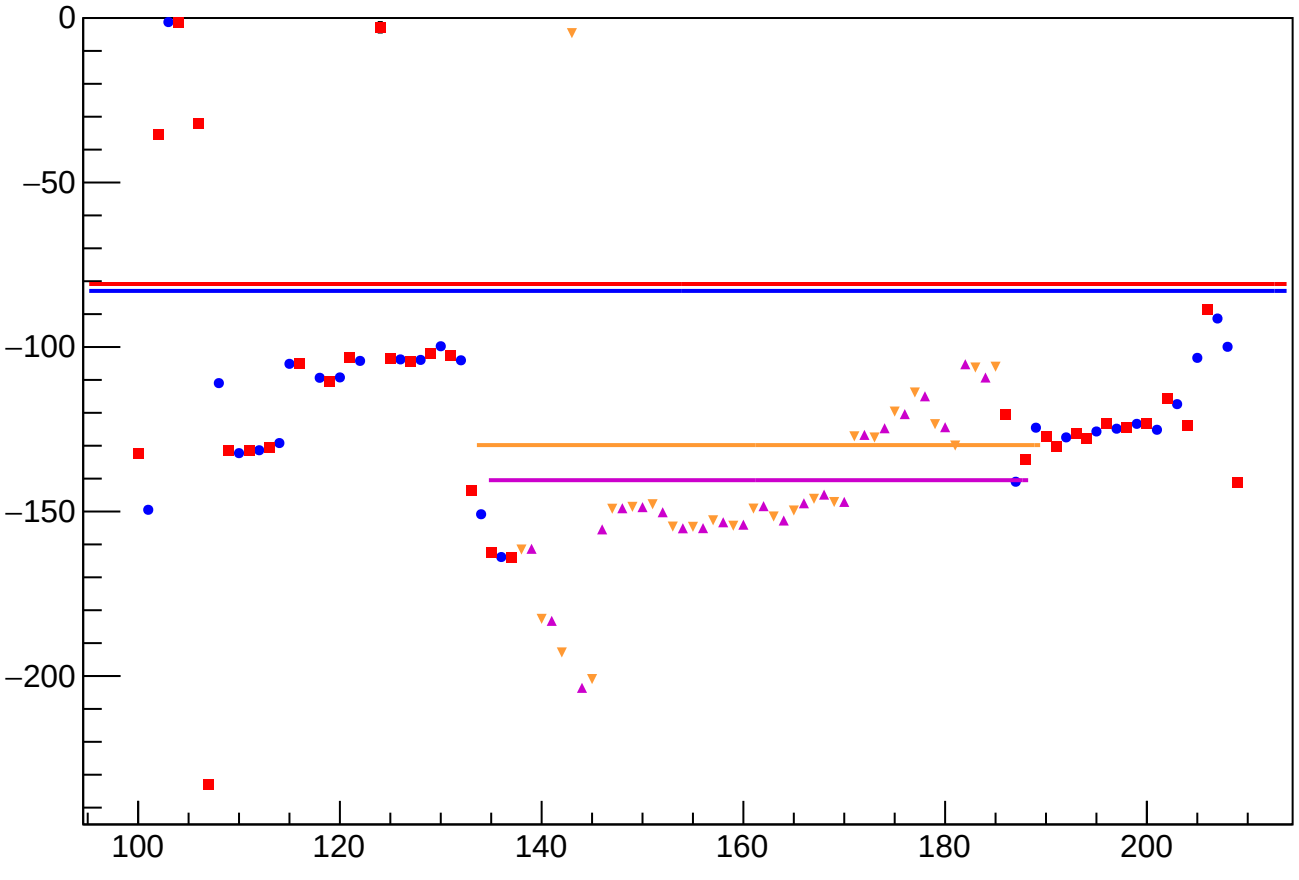
Left: 59.032+/-0.661 χ^2/NDF: 1135.8/47

Right: 24.488+/-0.767 χ^2/NDF: 599.7/58

In: 46.738+/-0.727 χ^2/NDF:1231.1/49

Out: 42.154+/-0.690 χ^2/NDF:1648.1/56

All: 44.325+/-0.501 χ^2/NDF: 2900.1/106



Right In: -82.947+/-0.051 χ^2/NDF: 1300576.1/26

Left Out: -129.810+/-0.042 χ^2/NDF:1025155.0/24

Right Out: -80.846+/-0.049 χ^2/NDF: 1279350.5/31

Left In: -140.477+/-0.044 χ^2/NDF:254660.0/22

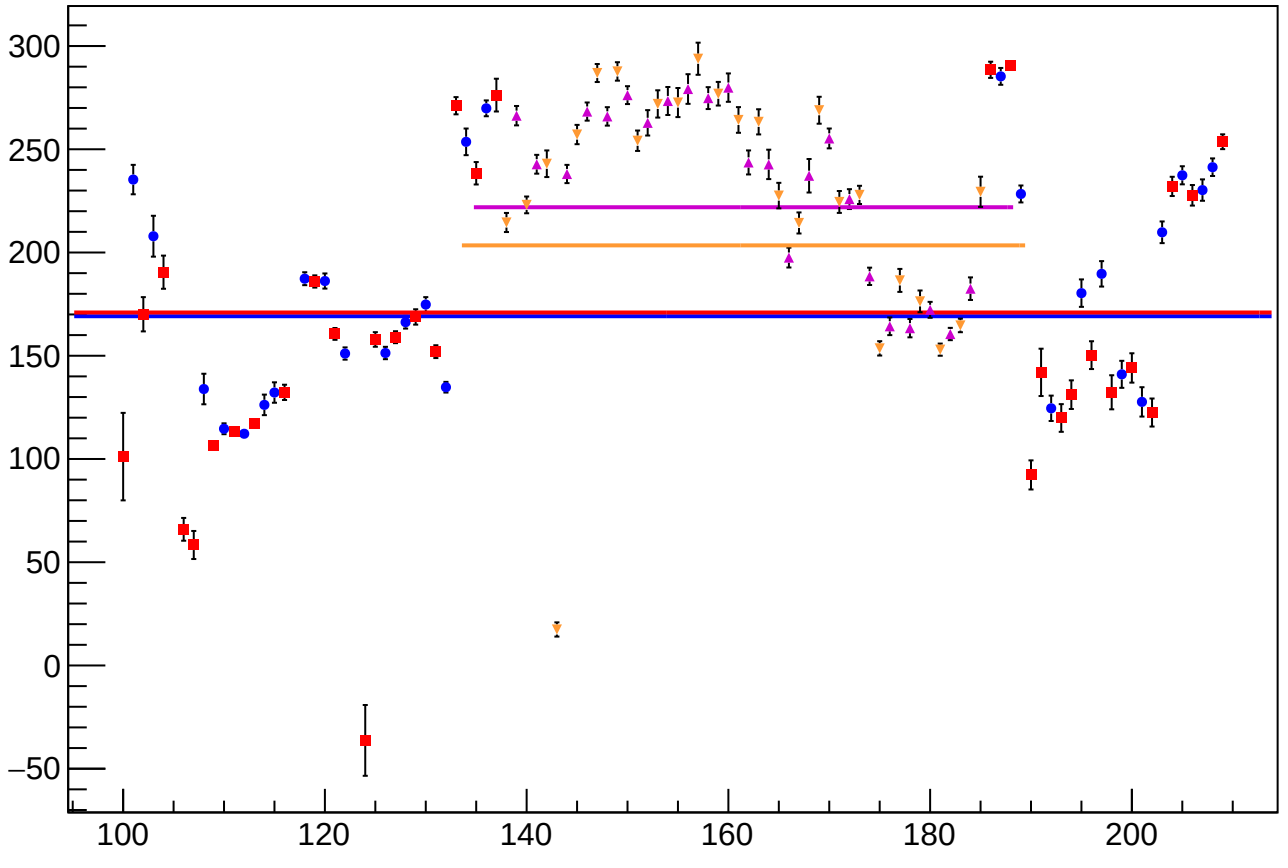
Left: -134.957+/-0.030 χ^2/NDF: 1310696.7/47

Right: -81.858+/-0.036 χ^2/NDF: 2580796.2/58

In: -116.313+/-0.033 χ^2/NDF:2284245.1/49

Out: -109.187+/-0.032 χ^2/NDF:2872478.8/56

All: -112.622+/-0.023 χ^2/NDF: 5180509.7/10



Right In: 169.143+/-0.758 χ^2/NDF: 4448.1/26

Left Out: 203.453+/-0.953 χ^2/NDF:5491.5/24

Right Out: 170.946+/-0.698 χ^2/NDF: 8995.8/31

Left In: 221.923+/-1.003 χ^2/NDF:1986.7/22

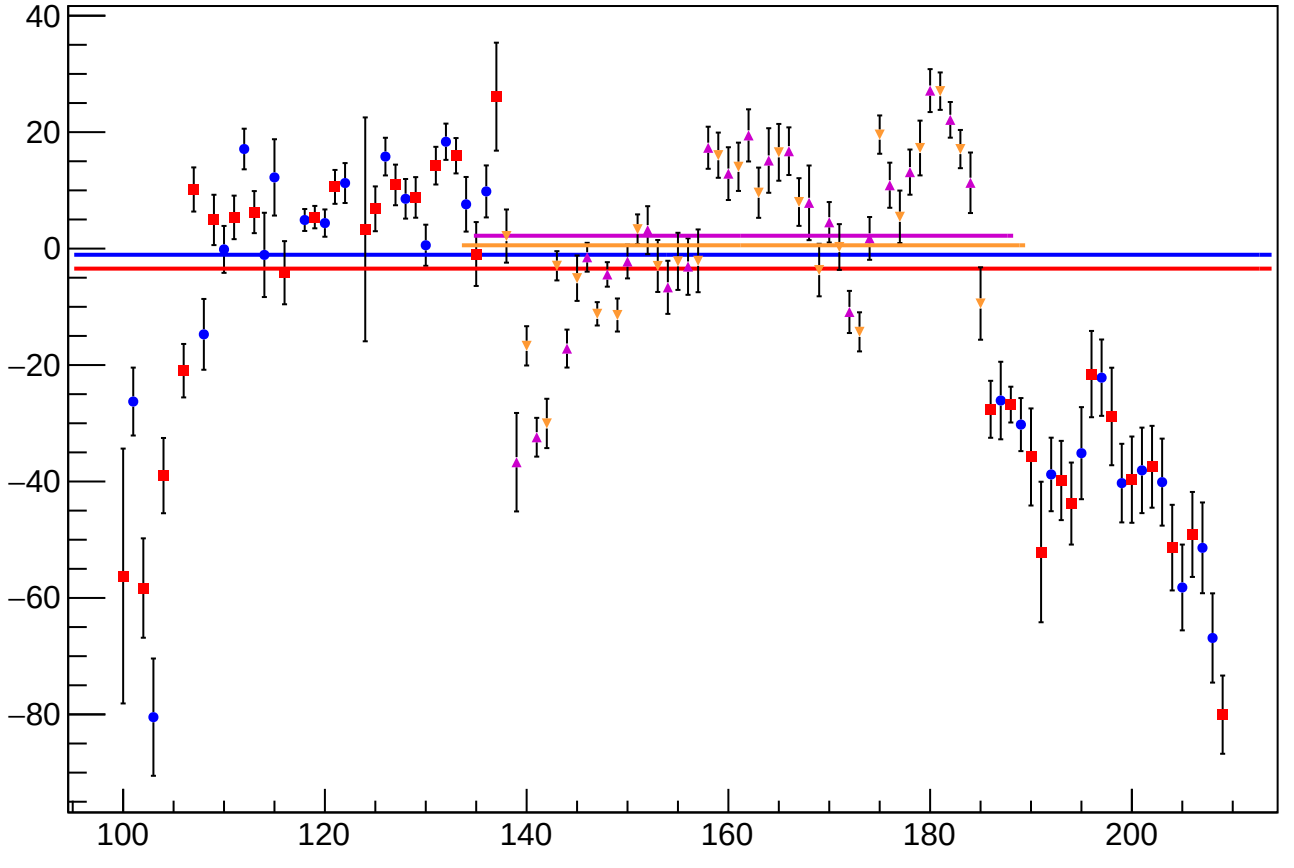
Left: 212.217+/-0.691 χ^2/NDF: 7656.5/47

Right: 170.118+/-0.513 χ^2/NDF: 13447.0/58

In: 188.315+/-0.604 χ^2/NDF:8198.3/49

Out: 182.293+/-0.563 χ^2/NDF:15244.7/56

All: 185.091+/-0.412 χ^2/NDF: 23496.2/106



Right In: -1.059+/-0.814 χ^2/NDF: 611.0/26

Left Out: 0.568+/-0.716 χ^2/NDF:345.4/24

Right Out: -3.440+/-0.789 χ^2/NDF: 732.3/31

Left In: 2.210+/-0.760 χ^2/NDF:358.2/22

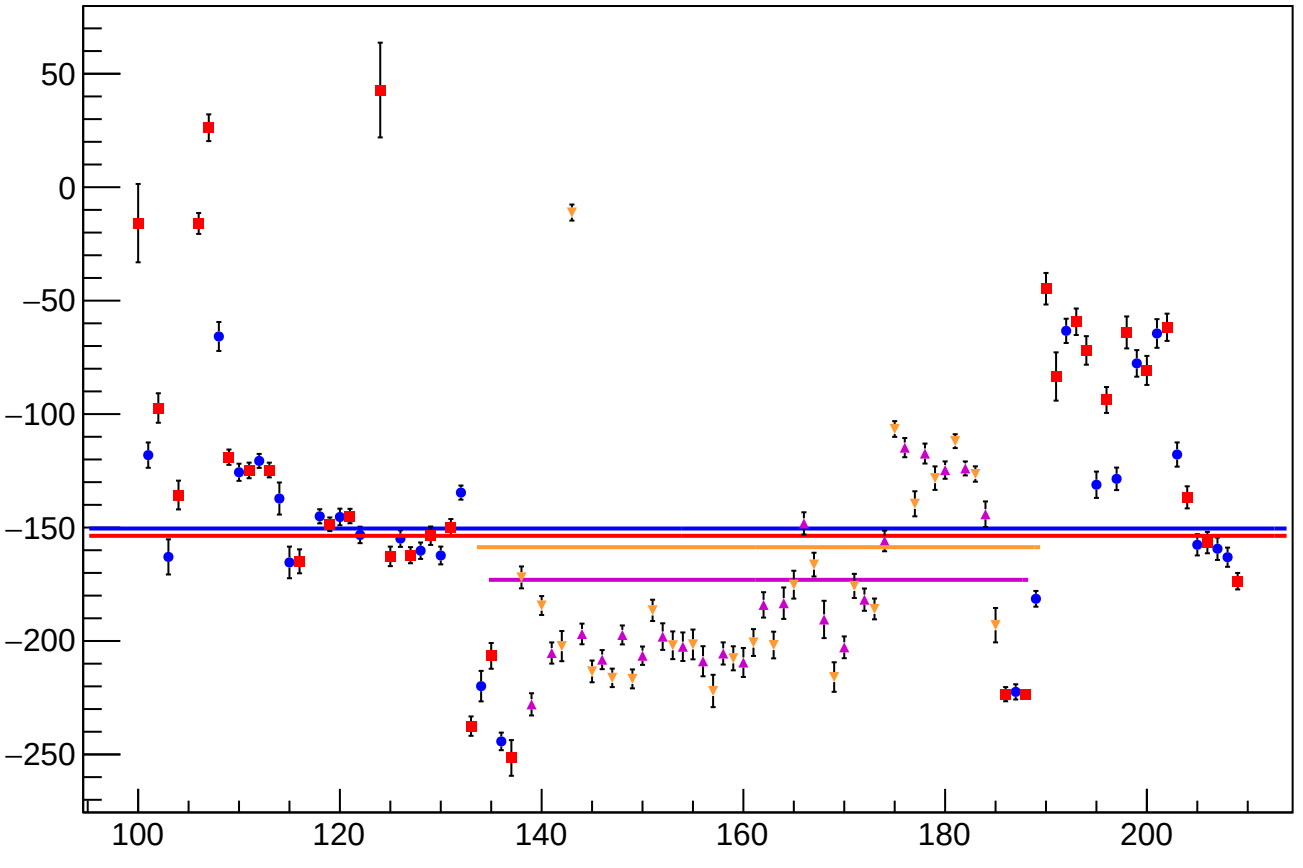
Left: 1.339+/-0.521 χ^2/NDF: 706.1/47

Right: -2.287+/-0.567 χ^2/NDF: 1347.7/58

In: 0.688+/-0.556 χ^2/NDF:977.7/49

Out: -1.240+/-0.530 χ^2/NDF:1091.9/56

All: -0.321+/-0.384 χ^2/NDF: 2075.9/106



Right In: -150.432+/-0.828 χ^2/NDF: 2328.6/26

Left Out: -158.658+/-0.951 χ^2/NDF:3491.8/24

Right Out: -153.652+/-0.748 χ^2/NDF: 6446.3/31

Left In: -173.043+/-0.996 χ^2/NDF:1399.9/22

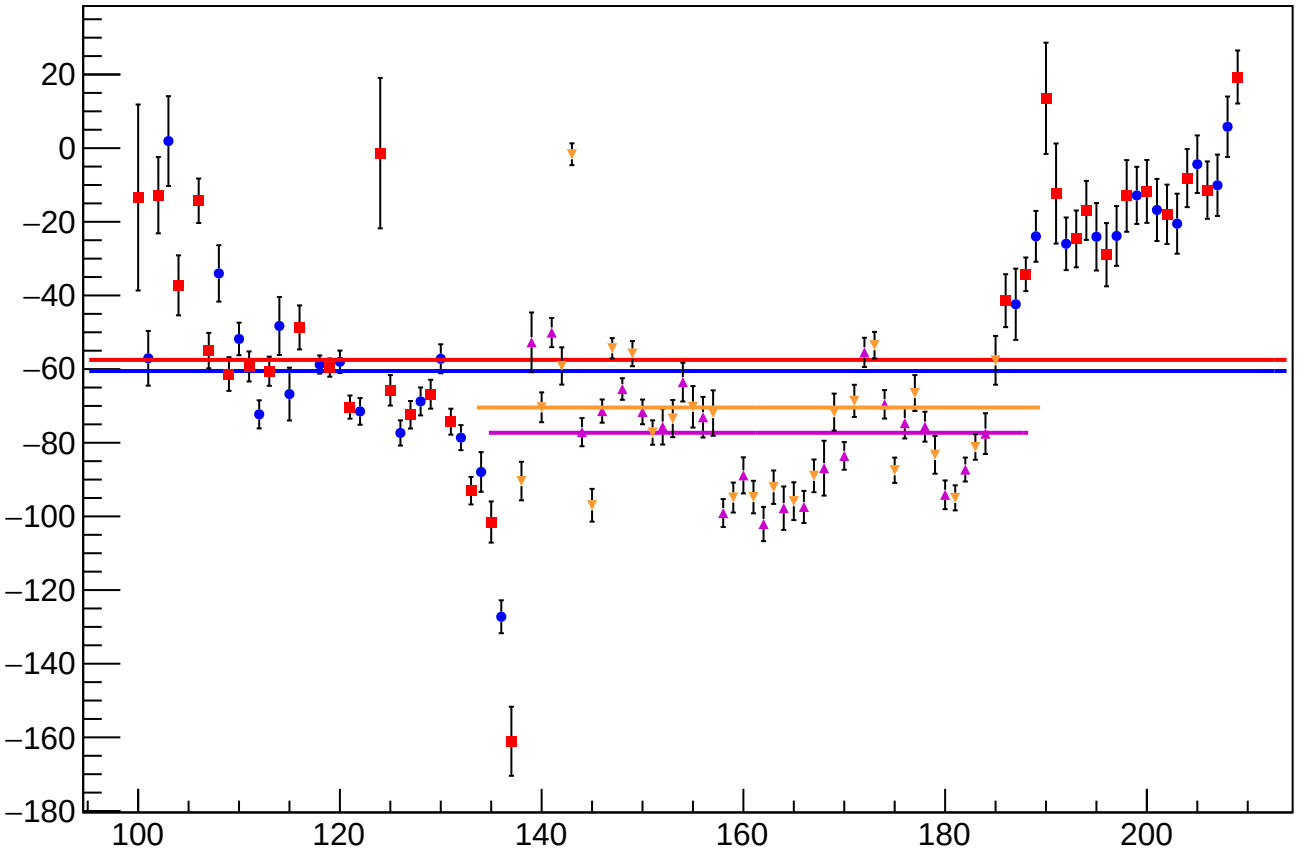
Left: -165.517+/-0.687 χ^2/NDF: 5000.9/47

Right: -152.205+/-0.555 χ^2/NDF: 8783.2/58

In: -159.673+/-0.636 χ^2/NDF:4033.5/49

Out: -155.566+/-0.588 χ^2/NDF:9955.2/56

All: -157.456+/-0.432 χ^2/NDF: 14011.2/106



Right In: -60.515+/-0.951 χ^2/NDF: 705.2/26

Left Out: -70.427+/-0.821 χ^2/NDF:901.6/24

Right Out: -57.494+/-0.925 χ^2/NDF: 810.8/31

Left In: -77.288+/-0.866 χ^2/NDF:254.3/22

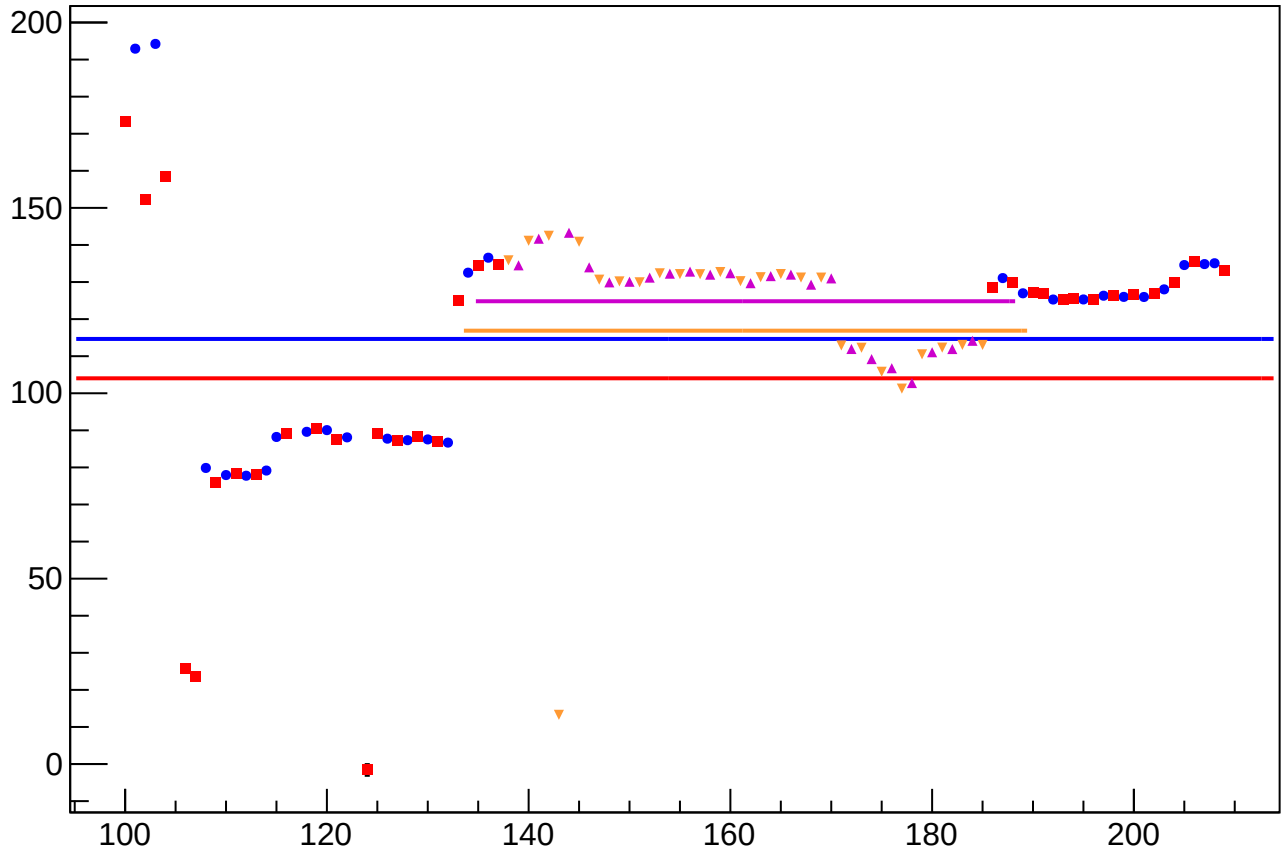
Left: -73.677+/-0.596 χ^2/NDF: 1189.0/47

Right: -58.963+/-0.663 χ^2/NDF: 1521.2/58

In: -69.684+/-0.640 χ^2/NDF:1129.6/49

Out: -64.727+/-0.614 χ^2/NDF:1821.8/56

All: -67.103+/-0.443 χ^2/NDF: 2982.6/106



Right In: 114.651+/-0.055 χ^2/NDF: 281331.2/26

Left Out: 116.881+/-0.038 χ^2/NDF:623110.0/24

Right Out: 104.034+/-0.051 χ^2/NDF: 528423.9/31

Left In: 124.819+/-0.039 χ^2/NDF:88116.2/22

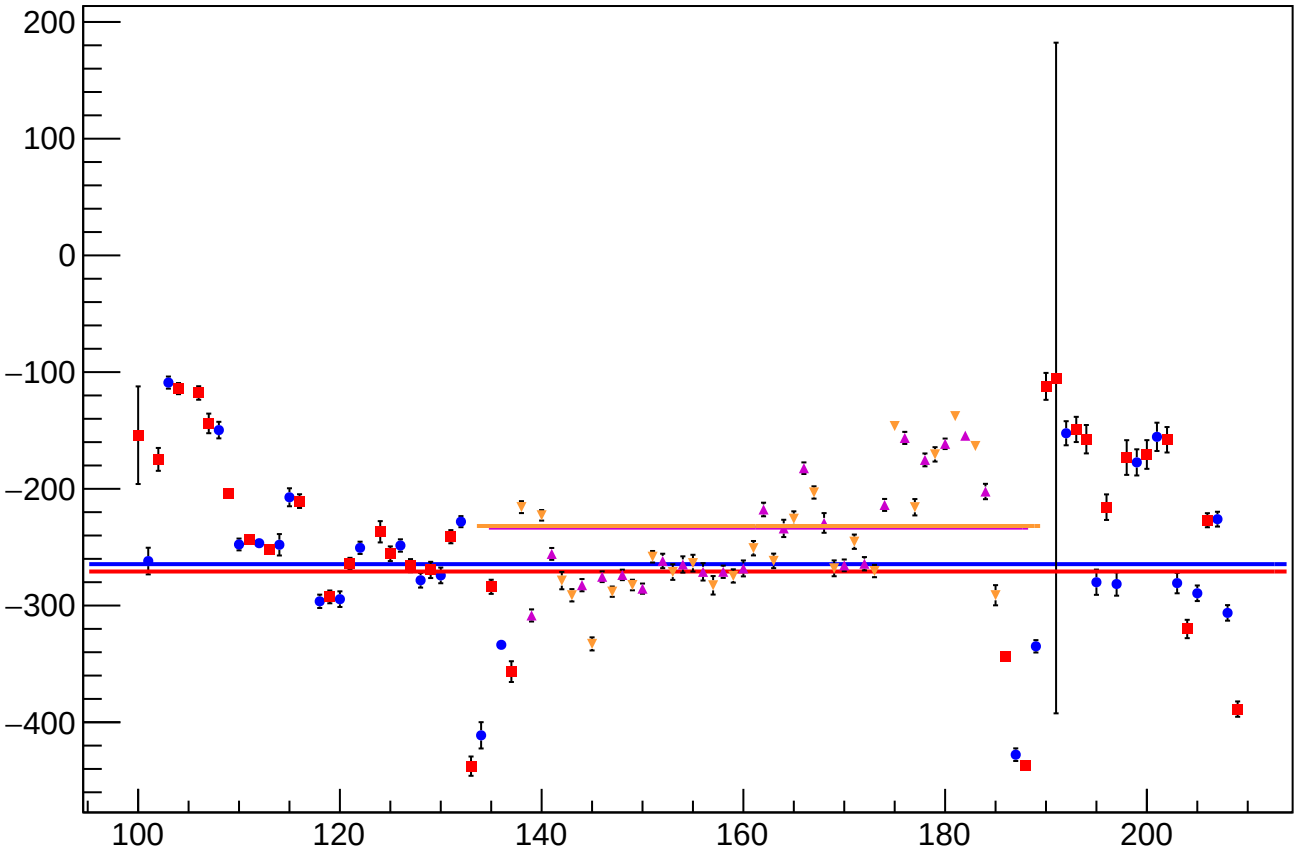
Left: 120.724+/-0.027 χ^2/NDF: 732240.4/47

Right: 108.925+/-0.037 χ^2/NDF: 830101.1/58

In: 121.351+/-0.032 χ^2/NDF:392244.1/49

Out: 112.223+/-0.030 χ^2/NDF:1192759.0/56

All: 116.567+/-0.022 χ^2/NDF: 1627852.0/106



Right In: -264.536+/-1.214 χ^2/NDF: 3270.5/26

Left Out: -231.847+/-1.080 χ^2/NDF:2676.6/24

Right Out: -270.850+/-1.078 χ^2/NDF: 7838.5/31

Left In: -233.258+/-1.108 χ^2/NDF:2067.0/22

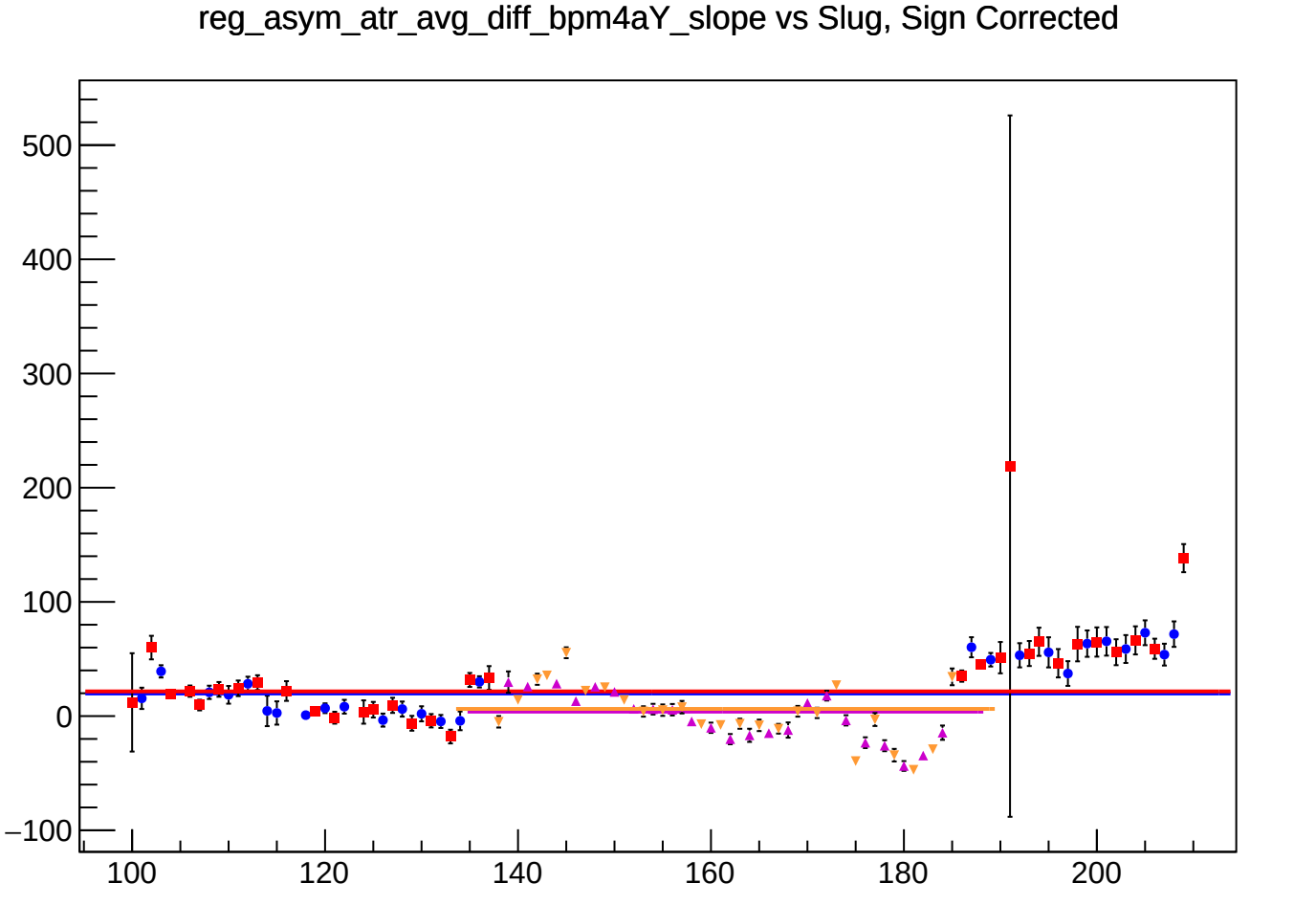
Left: -232.535+/-0.773 χ^2/NDF: 4744.4/47

Right: -268.067+/-0.806 χ^2/NDF: 11124.1/58

In: -247.466+/-0.818 χ^2/NDF:5699.7/49

Out: -251.394+/-0.763 χ^2/NDF:11168.5/56

All: -249.567+/-0.558 χ^2/NDF: 16880.6/106



Right In: 19.808+/-1.319 χ^2/NDF: 283.7/26

Left Out: 6.288+/-0.789 χ^2/NDF:871.5/24

Right Out: 21.618+/-1.188 χ^2/NDF: 385.3/31

Left In: 3.906+/-0.818 χ^2/NDF:650.3/22

Left: 5.140+/-0.568 χ^2/NDF: 1526.1/47

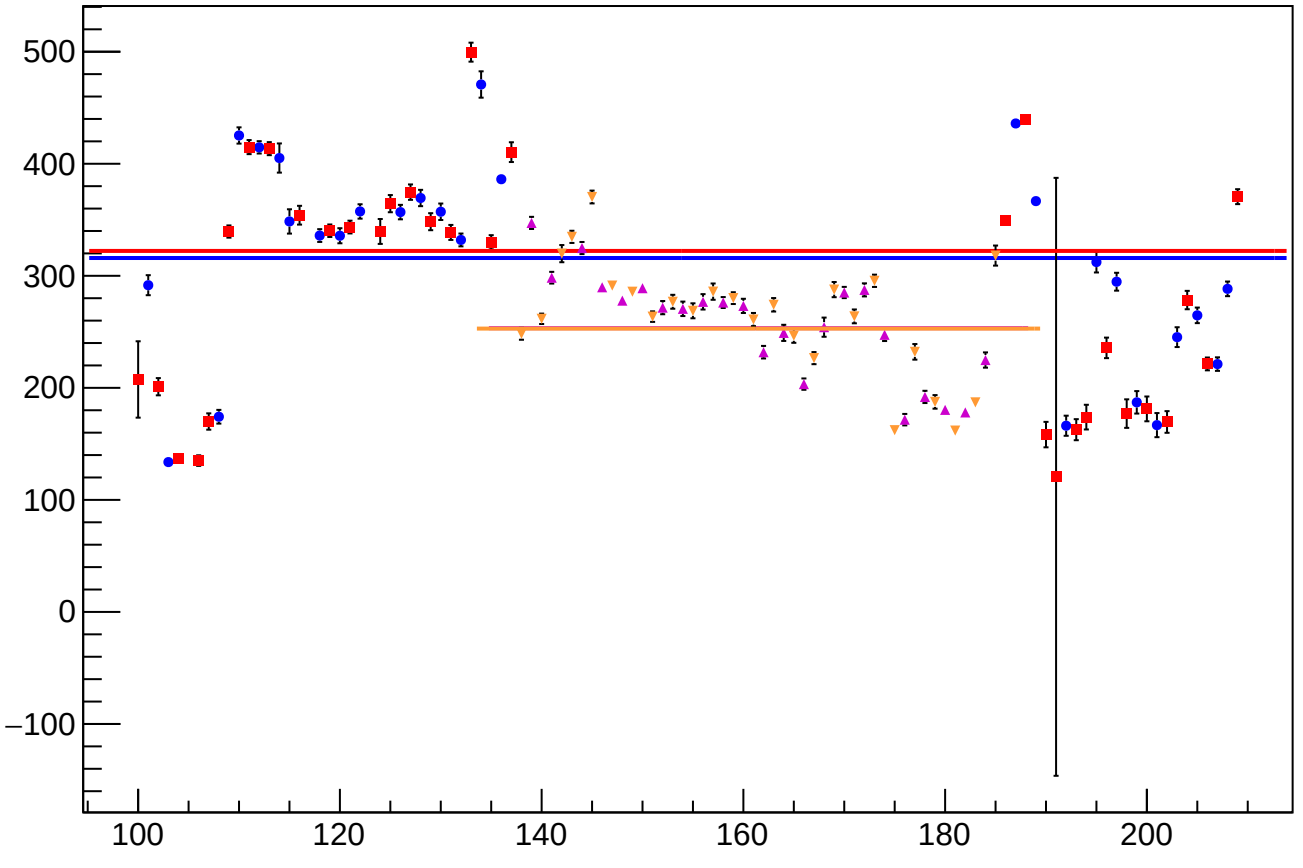
Right: 20.808+/-0.883 χ^2/NDF: 670.0/58

In: 8.326+/-0.695 χ^2/NDF:1039.0/49

Out: 10.984+/-0.657 χ^2/NDF:1372.4/56

All: 9.729+/-0.478 χ^2/NDF: 2419.1/106

reg_asym_atr_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 315.879+/-1.248 χ^2/NDF: 5682.7/26

Left Out: 252.886+/-1.070 χ^2/NDF:2579.0/24

Right Out: 322.206+/-1.072 χ^2/NDF: 10145.5/31

Left In: 253.248+/-1.093 χ^2/NDF:2059.7/22

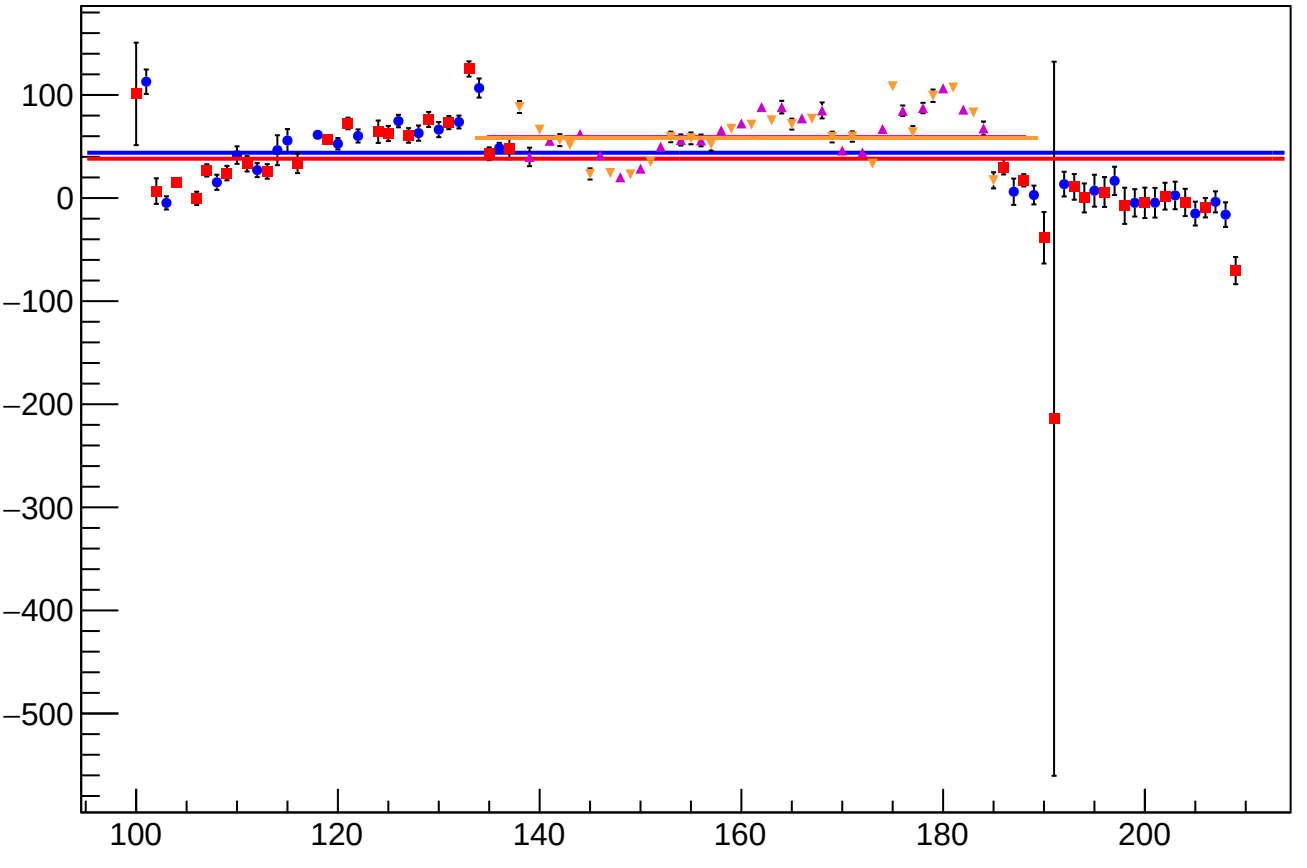
Left: 253.063+/-0.765 χ^2/NDF: 4638.7/47

Right: 319.520+/-0.813 χ^2/NDF: 15843.0/58

In: 280.434+/-0.823 χ^2/NDF:9166.7/49

Out: 287.490+/-0.758 χ^2/NDF:14817.8/56

All: 284.252+/-0.557 χ^2/NDF: 24023.3/106



Right In: 43.977+/-1.541 χ^2/NDF: 401.2/26

Left Out: 58.306+/-0.911 χ^2/NDF:850.2/24

Right Out: 38.177+/-1.421 χ^2/NDF: 520.9/31

Left In: 59.151+/-0.938 χ^2/NDF:632.4/22

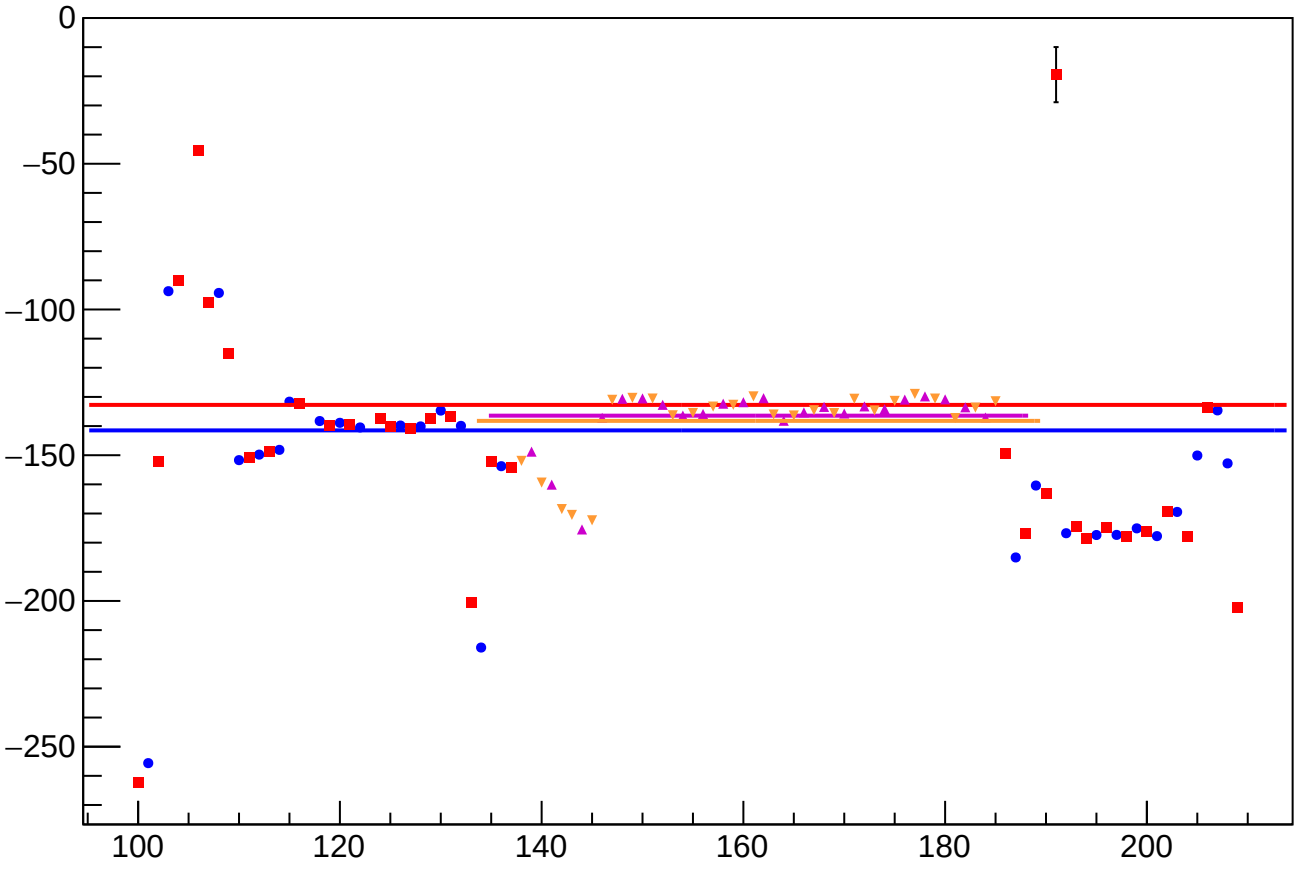
Left: 58.716+/-0.654 χ^2/NDF: 1483.1/47

Right: 40.844+/-1.045 χ^2/NDF: 929.8/58

In: 55.045+/-0.801 χ^2/NDF:1104.4/49

Out: 52.442+/-0.767 χ^2/NDF:1513.2/56

All: 53.687+/-0.554 χ^2/NDF: 2623.1/106



Right In: -141.483+/-0.075 χ^2/NDF: 235362.6/26

Left Out: -138.218+/-0.042 χ^2/NDF:81828.6/24

Right Out: -132.736+/-0.071 χ^2/NDF: 345637.7/31

Left In: -136.429+/-0.043 χ^2/NDF:49792.9/22

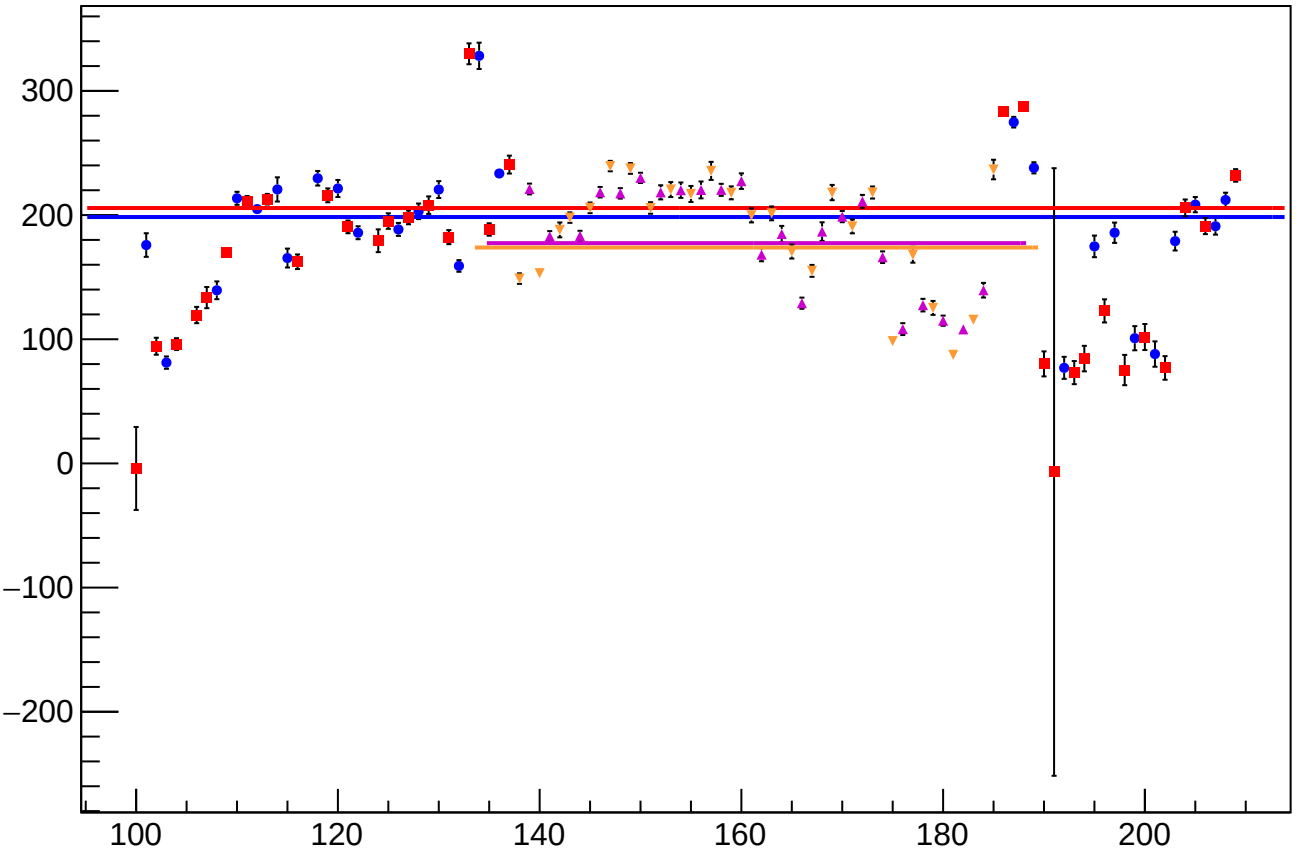
Left: -137.331+/-0.030 χ^2/NDF: 132499.5/47

Right: -136.845+/-0.052 χ^2/NDF: 588135.5/58

In: -137.663+/-0.037 χ^2/NDF:288550.7/49

Out: -136.771+/-0.036 χ^2/NDF:431857.3/56

All: -137.207+/-0.026 χ^2/NDF: 720701.0/106



Right In: 198.422+/-1.143 χ^2/NDF: 1869.0/26

Left Out: 173.862+/-0.962 χ^2/NDF:2627.6/24

Right Out: 205.684+/-1.006 χ^2/NDF: 4225.9/31

Left In: 177.403+/-0.996 χ^2/NDF:1963.0/22

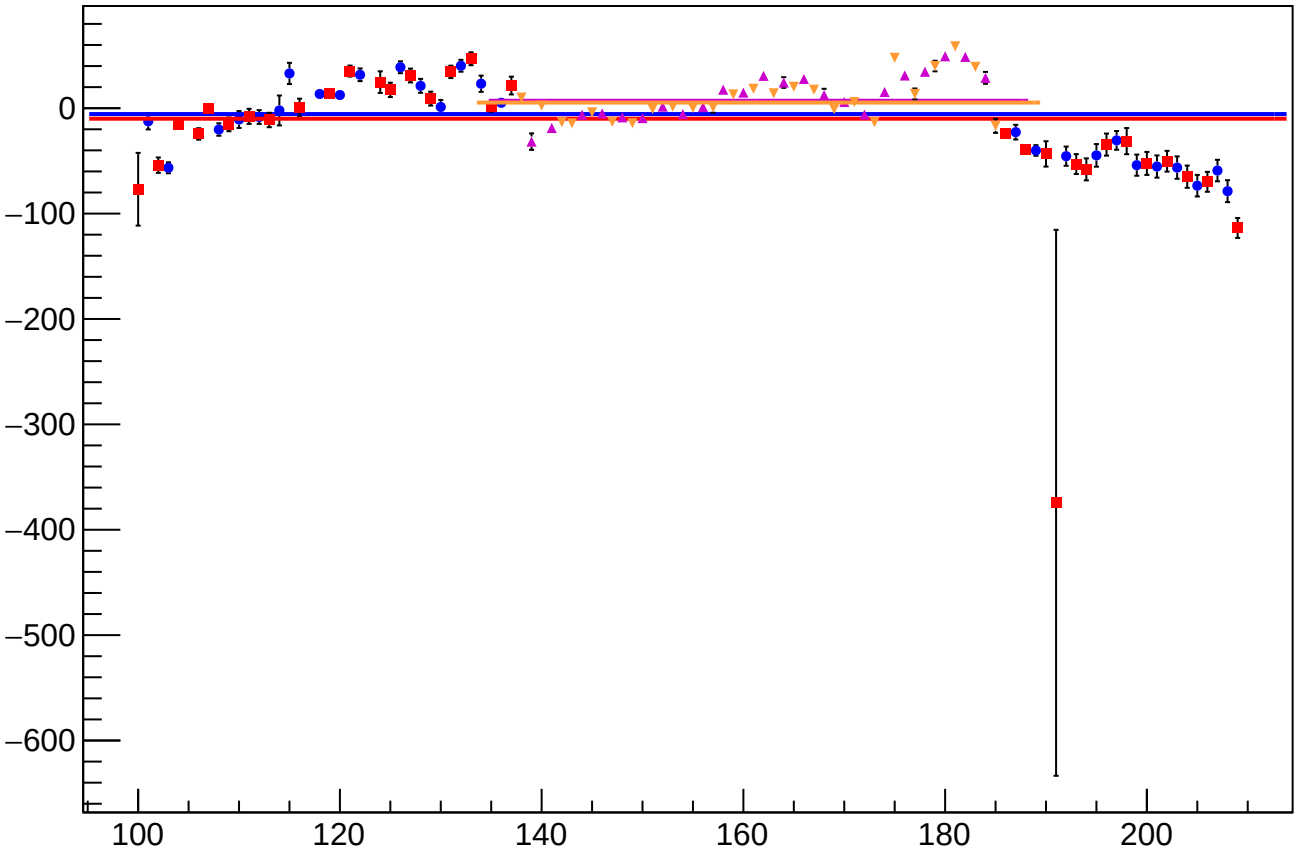
Left: 175.572+/-0.692 χ^2/NDF: 4597.1/47

Right: 202.516+/-0.755 χ^2/NDF: 6117.7/58

In: 186.467+/-0.751 χ^2/NDF:4024.2/49

Out: 189.068+/-0.695 χ^2/NDF:7376.3/56

All: 187.868+/-0.510 χ^2/NDF: 11407.0/106



Right In: -5.551+/-1.260 χ^2/NDF: 651.8/26

Left Out: 5.363+/-0.710 χ^2/NDF:810.0/24

Right Out: -9.967+/-1.129 χ^2/NDF: 783.7/31

Left In: 7.061+/-0.741 χ^2/NDF:709.7/22

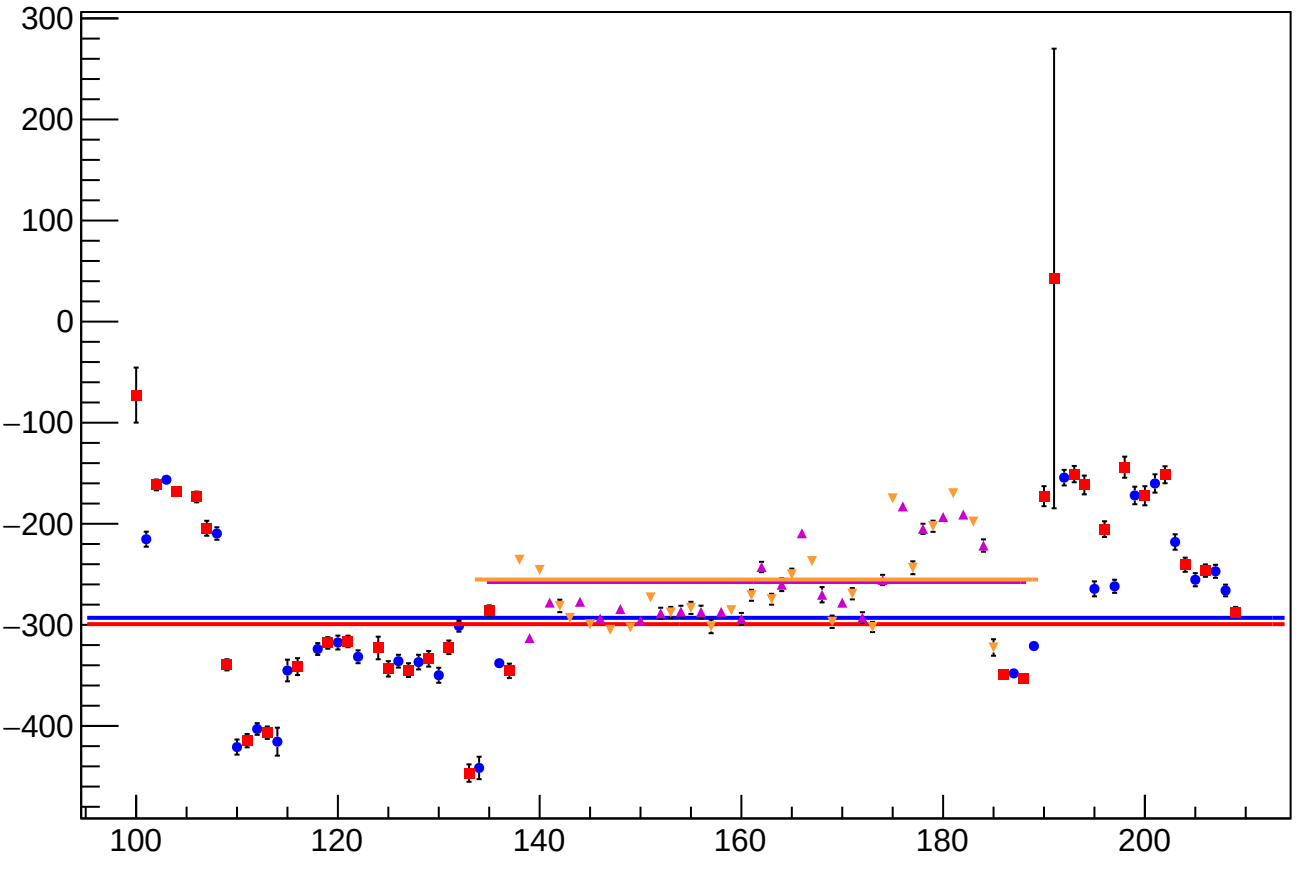
Left: 6.176+/-0.513 χ^2/NDF: 1522.4/47

Right: -8.000+/-0.841 χ^2/NDF: 1442.3/58

In: 3.818+/-0.639 χ^2/NDF:1435.9/49

Out: 1.017+/-0.601 χ^2/NDF:1725.7/56

All: 2.332+/-0.438 χ^2/NDF: 3171.7/106



Right In: -293.049+/-1.148 χ^2/NDF: 4101.4/26

Left Out: -255.122+/-0.956 χ^2/NDF:2344.8/24

Right Out: -299.314+/-0.973 χ^2/NDF: 6708.4/31

Left In: -257.600+/-0.985 χ^2/NDF:1808.1/22

Left: -256.324+/-0.686 χ^2/NDF: 4156.2/47

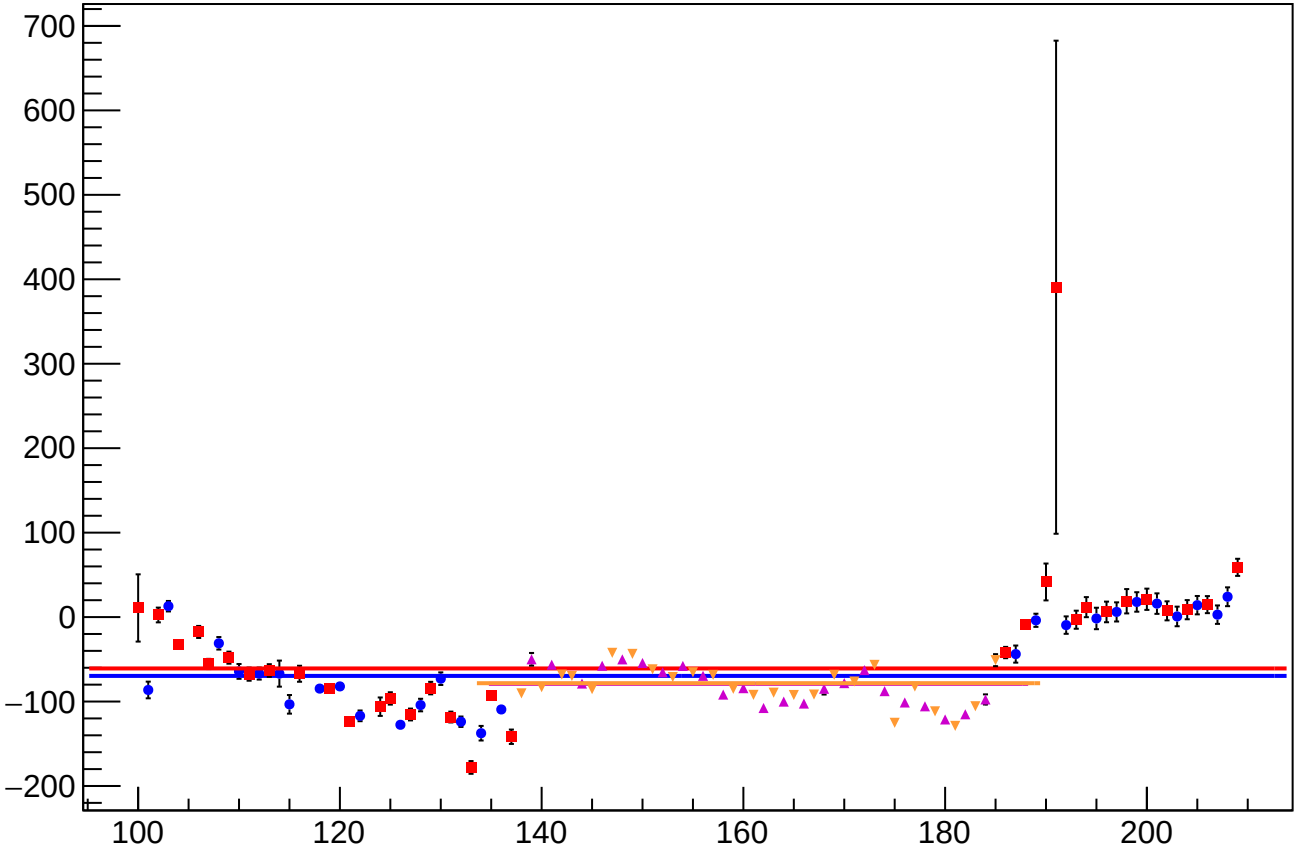
Right: -296.696+/-0.742 χ^2/NDF: 10827.2/58

In: -272.622+/-0.748 χ^2/NDF:6458.6/49

Out: -276.837+/-0.682 χ^2/NDF:10102.6/56

All: -274.922+/-0.504 χ^2/NDF: 16578.5/106

reg_asym_atr_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -69.650+/-1.472 χ^2/NDF: 1139.9/26

Left Out: -78.292+/-0.819 χ^2/NDF:868.2/24

Right Out: -60.813+/-1.358 χ^2/NDF: 1430.9/31

Left In: -79.066+/-0.849 χ^2/NDF:702.6/22

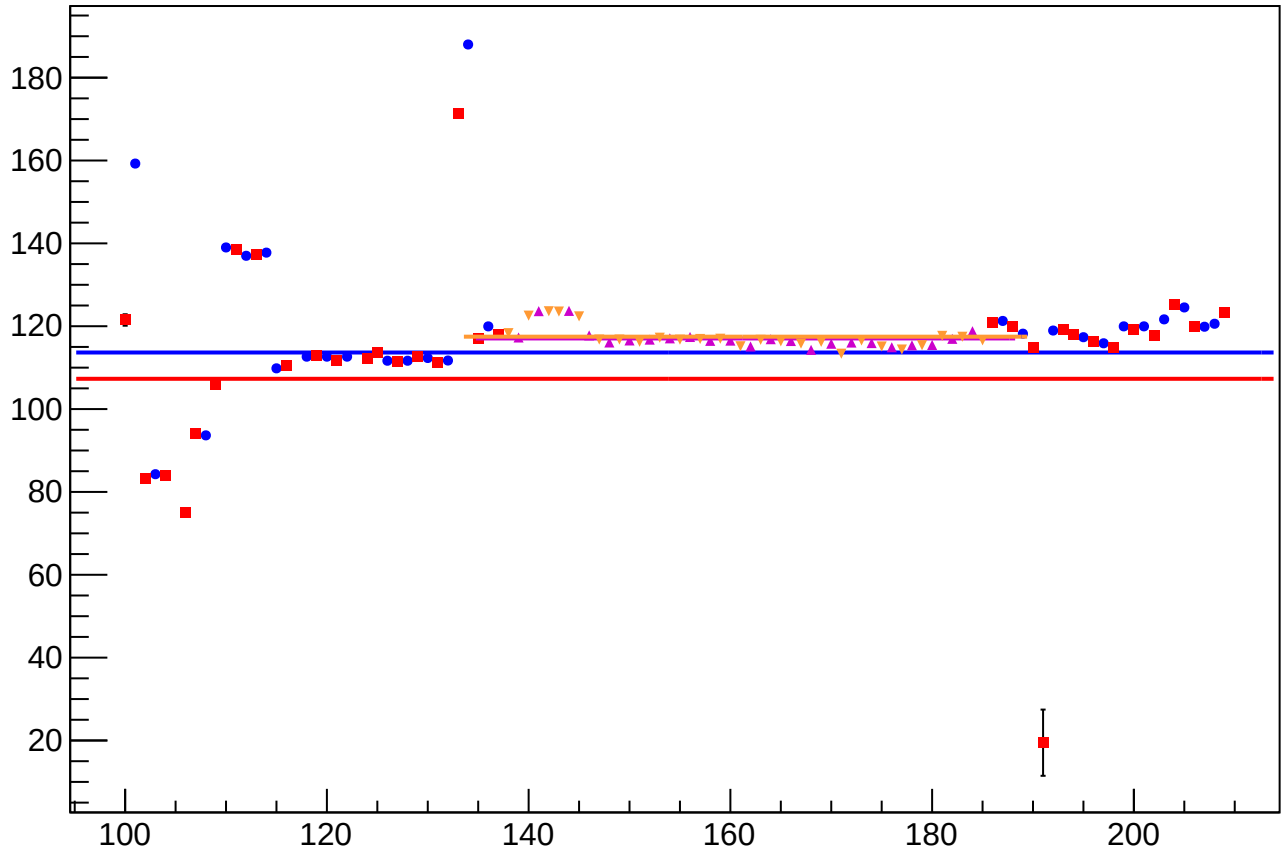
Left: -78.665+/-0.589 χ^2/NDF: 1571.2/47

Right: -64.874+/-0.998 χ^2/NDF: 2590.3/58

In: -76.717+/-0.735 χ^2/NDF:1873.2/49

Out: -73.631+/-0.701 χ^2/NDF:2420.6/56

All: -75.101+/-0.507 χ^2/NDF: 4303.1/106



Right In: 113.656+/-0.070 χ^2/NDF: 87403.0/26

Left Out: 117.477+/-0.038 χ^2/NDF:4739.3/24

Right Out: 107.309+/-0.065 χ^2/NDF: 80183.6/31

Left In: 117.046+/-0.039 χ^2/NDF:3343.0/22

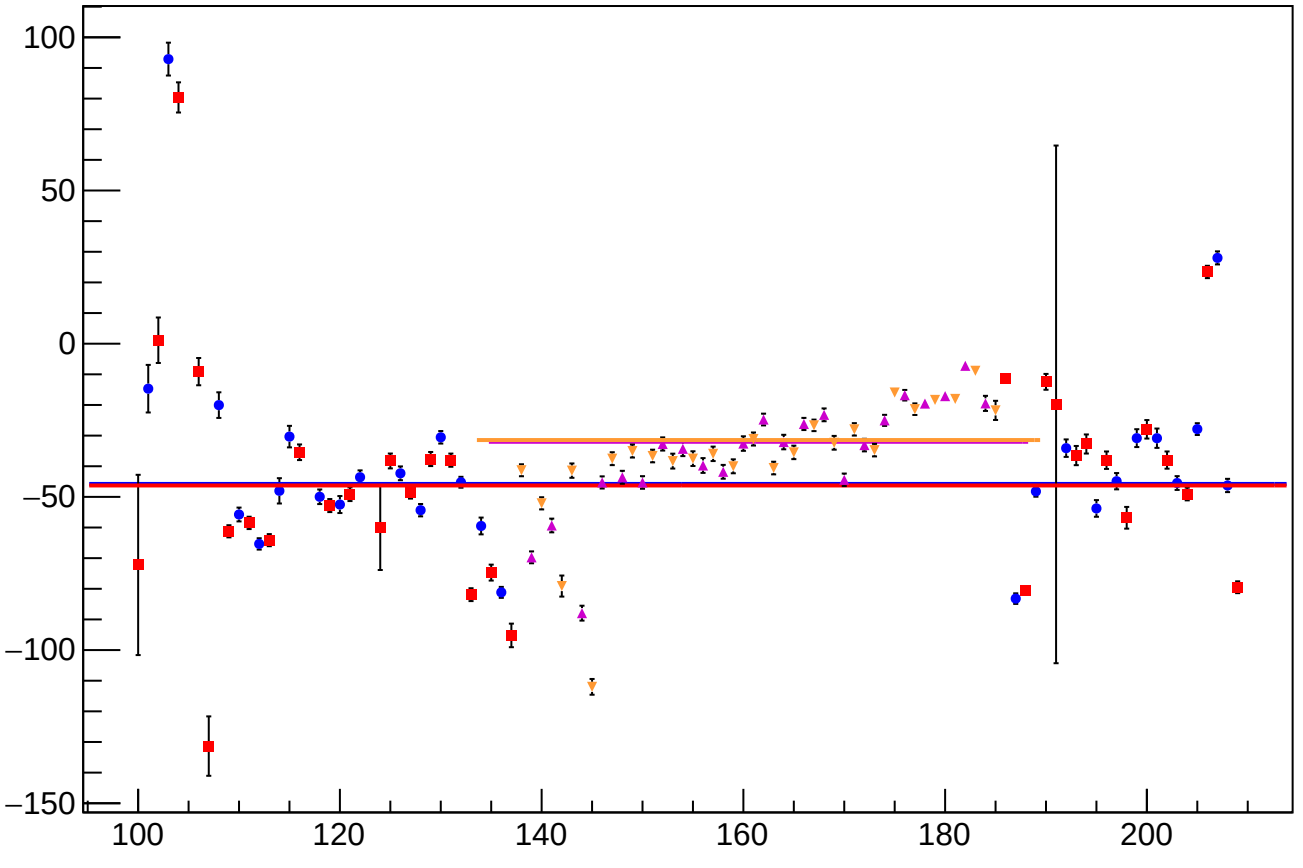
Left: 117.265+/-0.027 χ^2/NDF: 8145.5/47

Right: 110.269+/-0.048 χ^2/NDF: 172003.7/58

In: 116.251+/-0.034 χ^2/NDF:92553.4/49

Out: 114.899+/-0.033 χ^2/NDF:103066.5/56

All: 115.556+/-0.024 χ^2/NDF: 196443.8/106



Right In: -45.777+/-0.453 χ^2/NDF: 3204.5/26

Left Out: -31.452+/-0.399 χ^2/NDF:1992.2/24

Right Out: -46.273+/-0.403 χ^2/NDF: 5696.1/31

Left In: -32.015+/-0.409 χ^2/NDF:1913.4/22

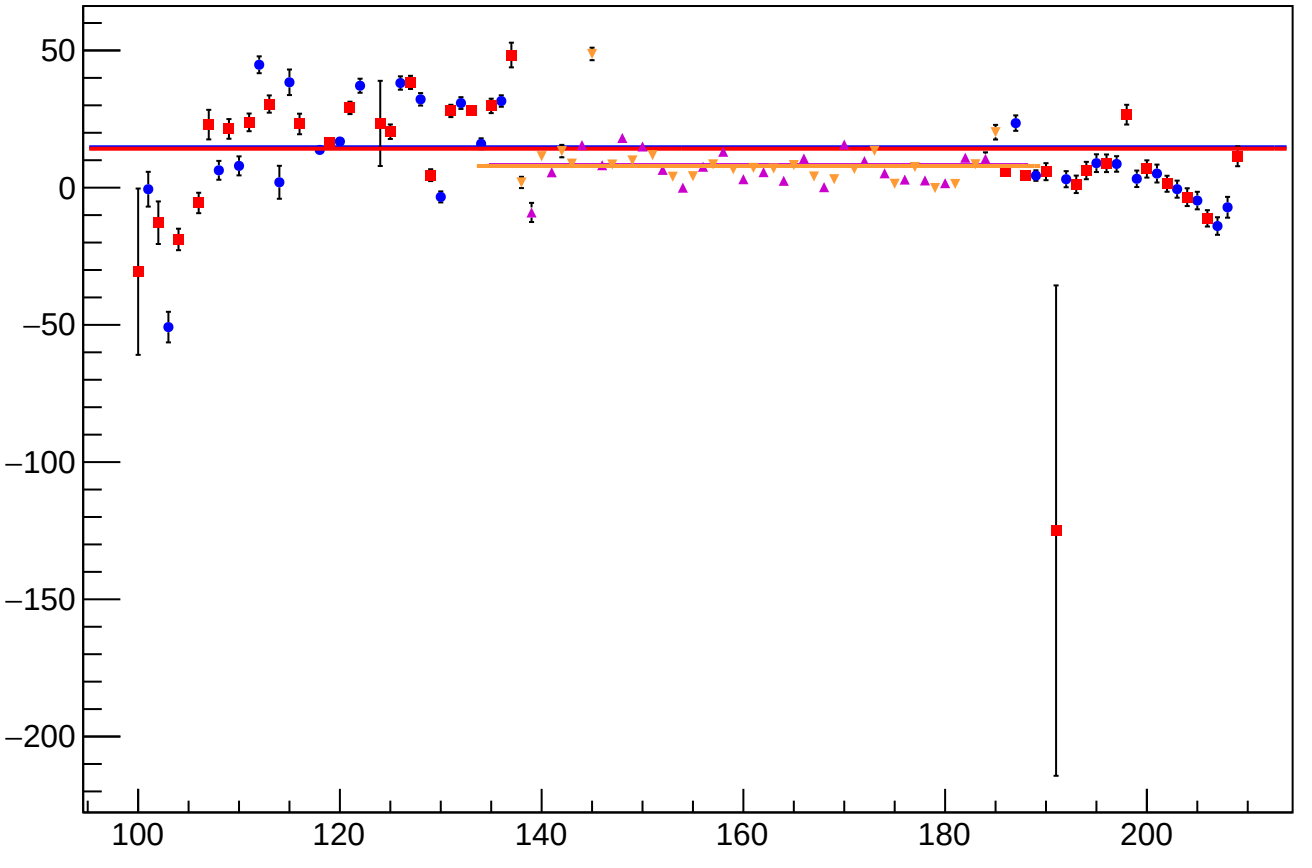
Left: -31.726+/-0.286 χ^2/NDF: 3906.6/47

Right: -46.054+/-0.301 χ^2/NDF: 8901.3/58

In: -38.197+/-0.304 χ^2/NDF:5626.2/49

Out: -38.794+/-0.283 χ^2/NDF:8372.3/56

All: -38.516+/-0.207 χ^2/NDF: 14000.5/106



Right In: 14.715+/-0.502 χ^2/NDF: 972.5/26

Left Out: 7.897+/-0.304 χ^2/NDF:490.5/24

Right Out: 14.192+/-0.462 χ^2/NDF: 813.4/31

Left In: 8.223+/-0.316 χ^2/NDF:338.8/22

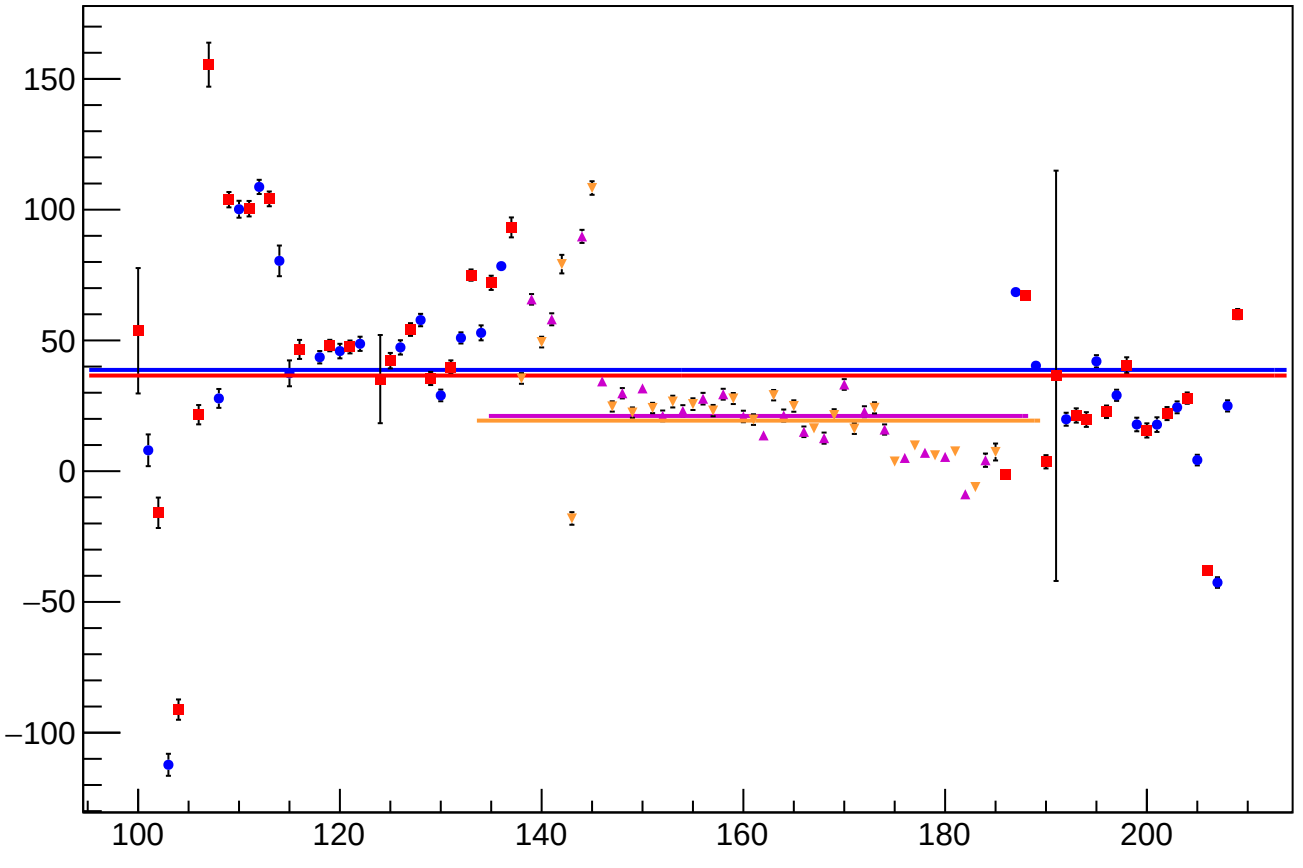
Left: 8.054+/-0.219 χ^2/NDF: 829.9/47

Right: 14.432+/-0.340 χ^2/NDF: 1786.5/58

In: 10.064+/-0.267 χ^2/NDF:1431.4/49

Out: 9.798+/-0.254 χ^2/NDF:1433.5/56

All: 9.924+/-0.184 χ^2/NDF: 2865.3/106



Right In: 38.725+/-0.459 χ^2/NDF: 5670.9/26

Left Out: 19.339+/-0.396 χ^2/NDF:2682.4/24

Right Out: 36.569+/-0.386 χ^2/NDF: 9258.7/31

Left In: 21.124+/-0.405 χ^2/NDF:2504.8/22

Left: 20.211+/-0.283 χ^2/NDF: 5197.1/47

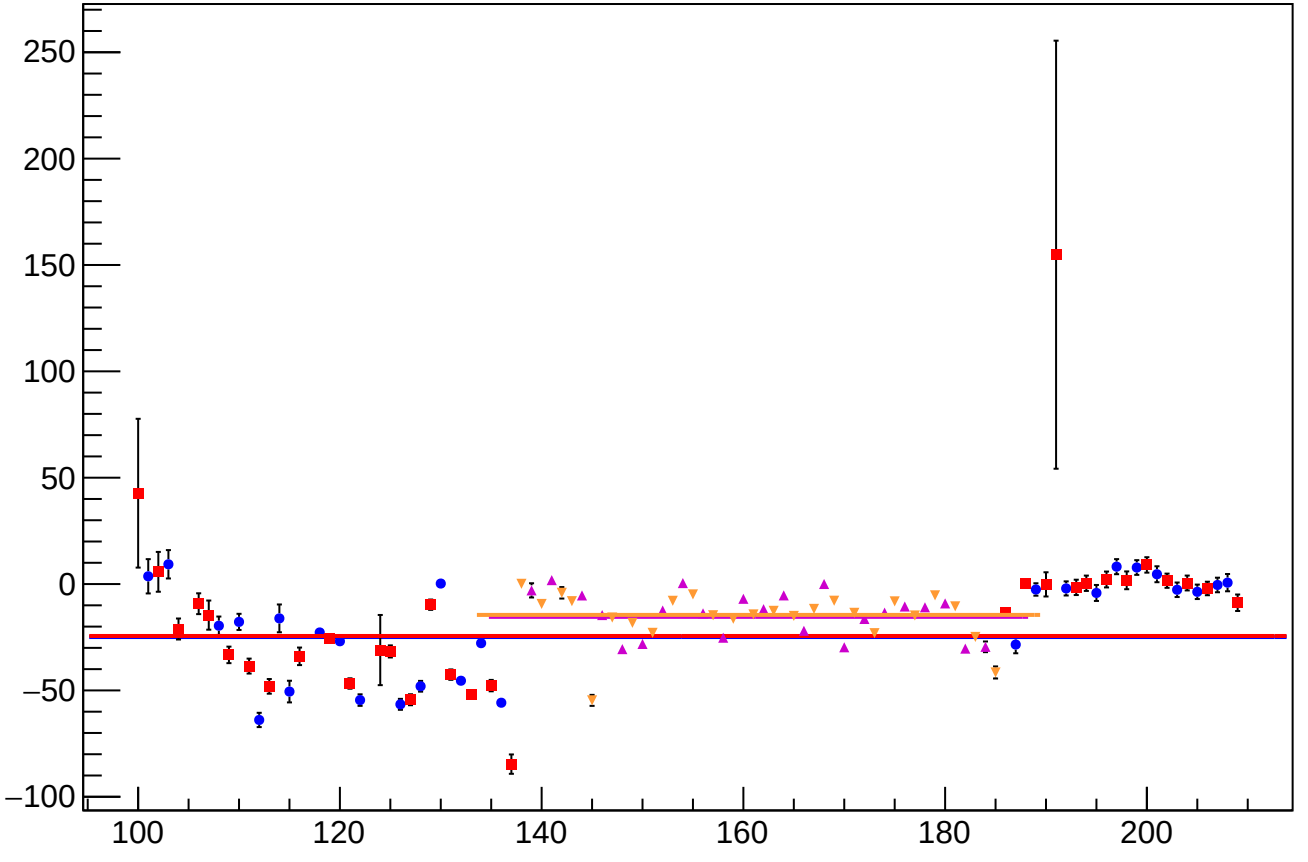
Right: 37.464+/-0.295 χ^2/NDF: 14942.5/58

In: 28.830+/-0.303 χ^2/NDF:9003.5/49

Out: 28.158+/-0.276 χ^2/NDF:12912.1/56

All: 28.462+/-0.204 χ^2/NDF: 21918.3/106

reg_asym_at1_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -24.904+/-0.584 χ^2/NDF: 1533.5/26

Left Out: -14.502+/-0.344 χ^2/NDF:641.0/24

Right Out: -24.407+/-0.559 χ^2/NDF: 1522.2/31

Left In: -15.417+/-0.355 χ^2/NDF:798.7/22

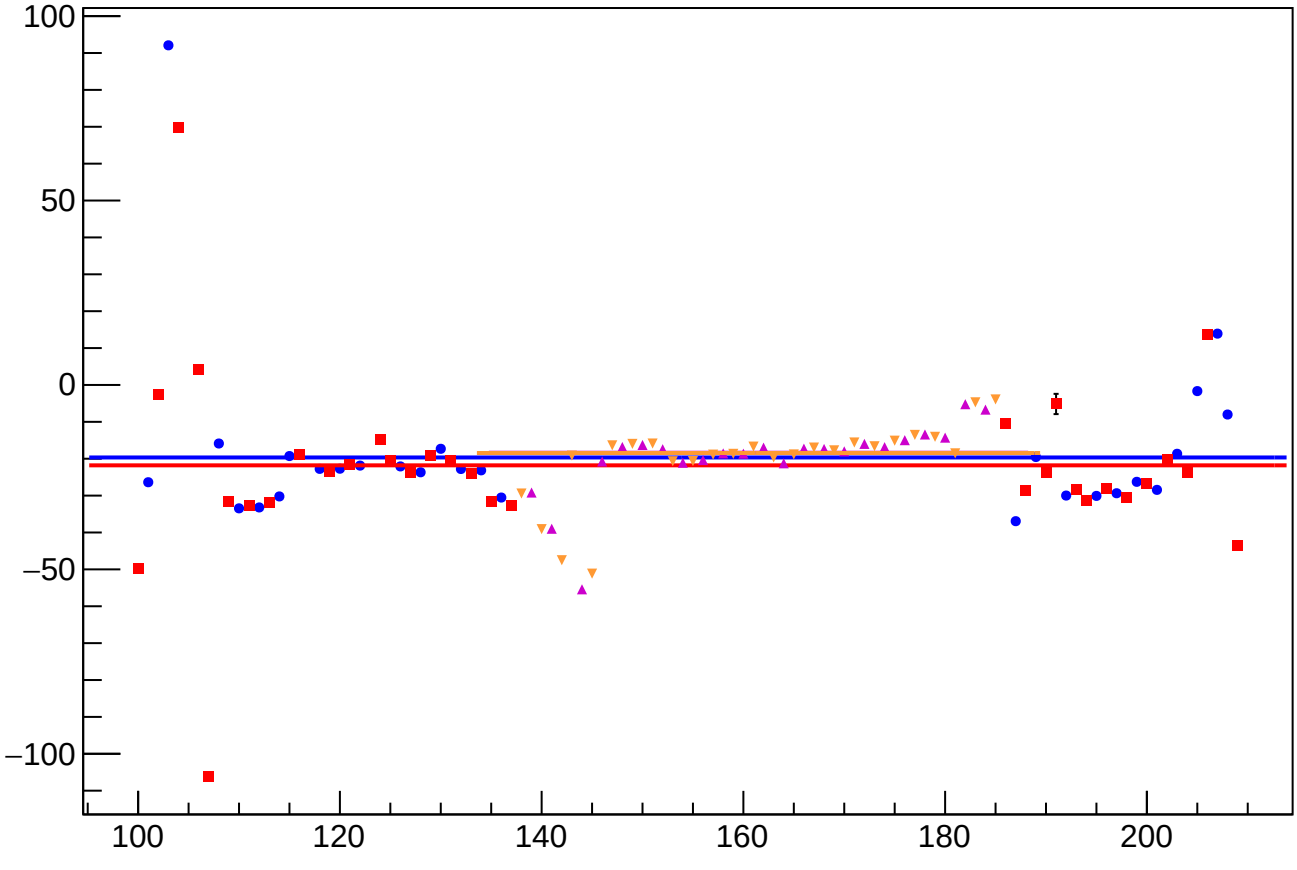
Left: -14.945+/-0.247 χ^2/NDF: 1443.2/47

Right: -24.645+/-0.404 χ^2/NDF: 3056.0/58

In: -17.980+/-0.304 χ^2/NDF:2524.8/49

Out: -17.225+/-0.293 χ^2/NDF:2391.1/56

All: -17.589+/-0.211 χ^2/NDF: 4919.1/106



Right In: -19.660+/-0.028 χ^2/NDF: 554909.0/26

Left Out: -18.450+/-0.015 χ^2/NDF:295359.2/24

Right Out: -21.794+/-0.028 χ^2/NDF: 480974.1/31

Left In: -18.378+/-0.016 χ^2/NDF:250040.9/22

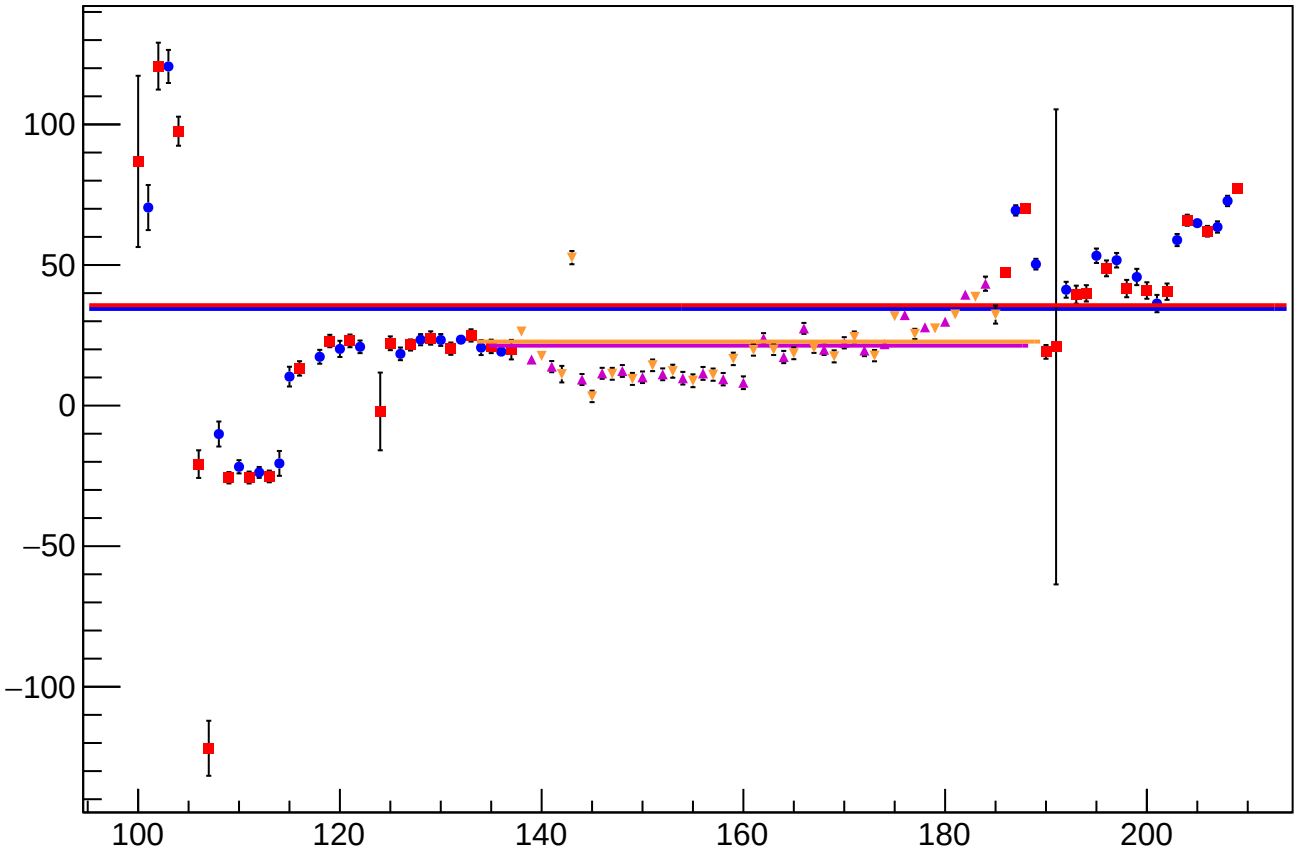
Left: -18.414+/-0.011 χ^2/NDF: 545410.6/47

Right: -20.750+/-0.020 χ^2/NDF: 1038785.1/58

In: -18.681+/-0.014 χ^2/NDF:806513.8/49

Out: -19.245+/-0.014 χ^2/NDF:787435.9/56

All: -18.968+/-0.010 χ^2/NDF: 1594806.1/106



Right In: 34.381+/-0.450 χ^2/NDF: 3982.1/26

Left Out: 22.766+/-0.383 χ^2/NDF:722.8/24

Right Out: 35.697+/-0.412 χ^2/NDF: 5930.7/31

Left In: 21.325+/-0.393 χ^2/NDF:629.9/22

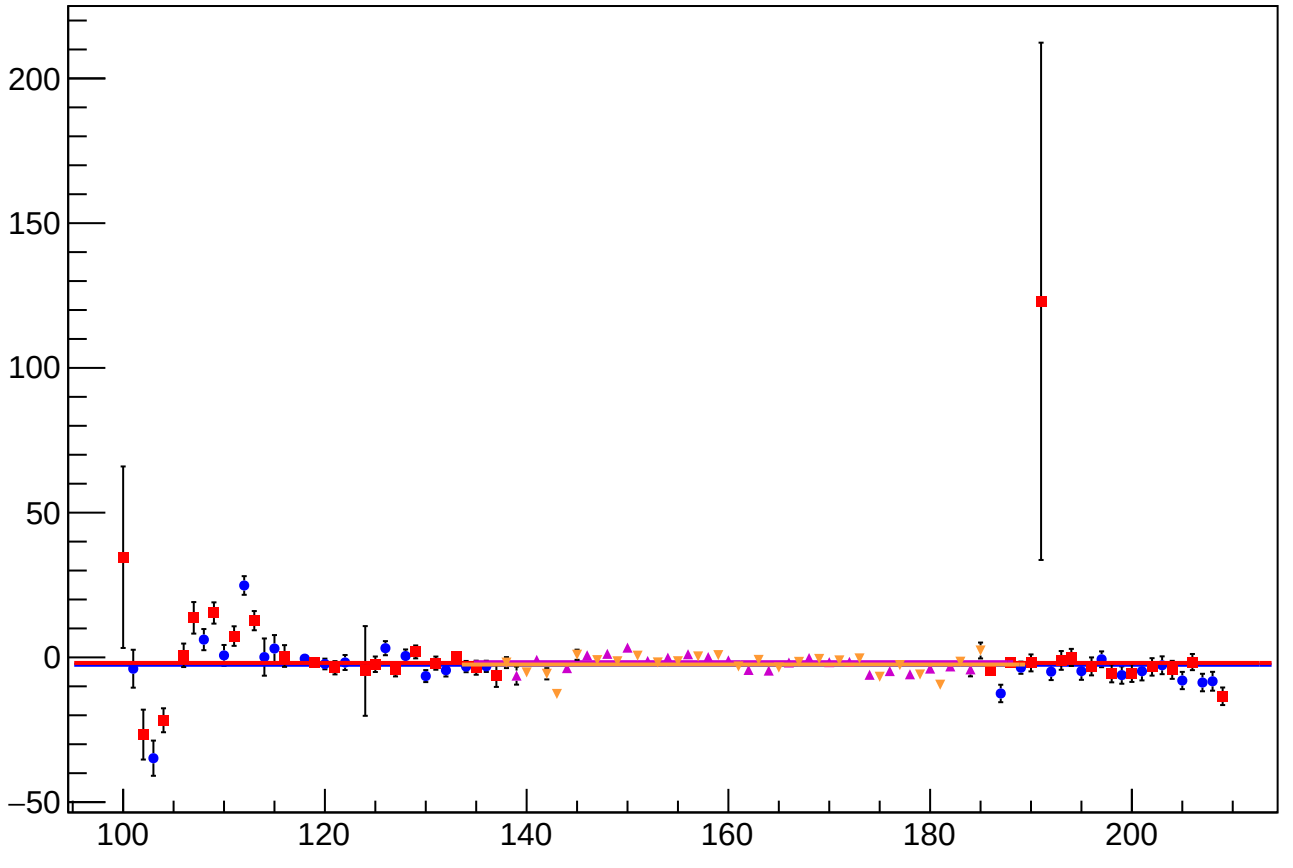
Left: 22.064+/-0.274 χ^2/NDF: 1359.6/47

Right: 35.097+/-0.304 χ^2/NDF: 9917.5/58

In: 26.970+/-0.296 χ^2/NDF:5089.8/49

Out: 28.751+/-0.280 χ^2/NDF:7182.2/56

All: 27.908+/-0.204 χ^2/NDF: 12291.0/106



Right In: -2.547+/-0.504 χ^2/NDF: 147.8/26

Left Out: -2.468+/-0.293 χ^2/NDF:116.7/24

Right Out: -1.916+/-0.477 χ^2/NDF: 121.1/31

Left In: -1.659+/-0.304 χ^2/NDF:70.2/22

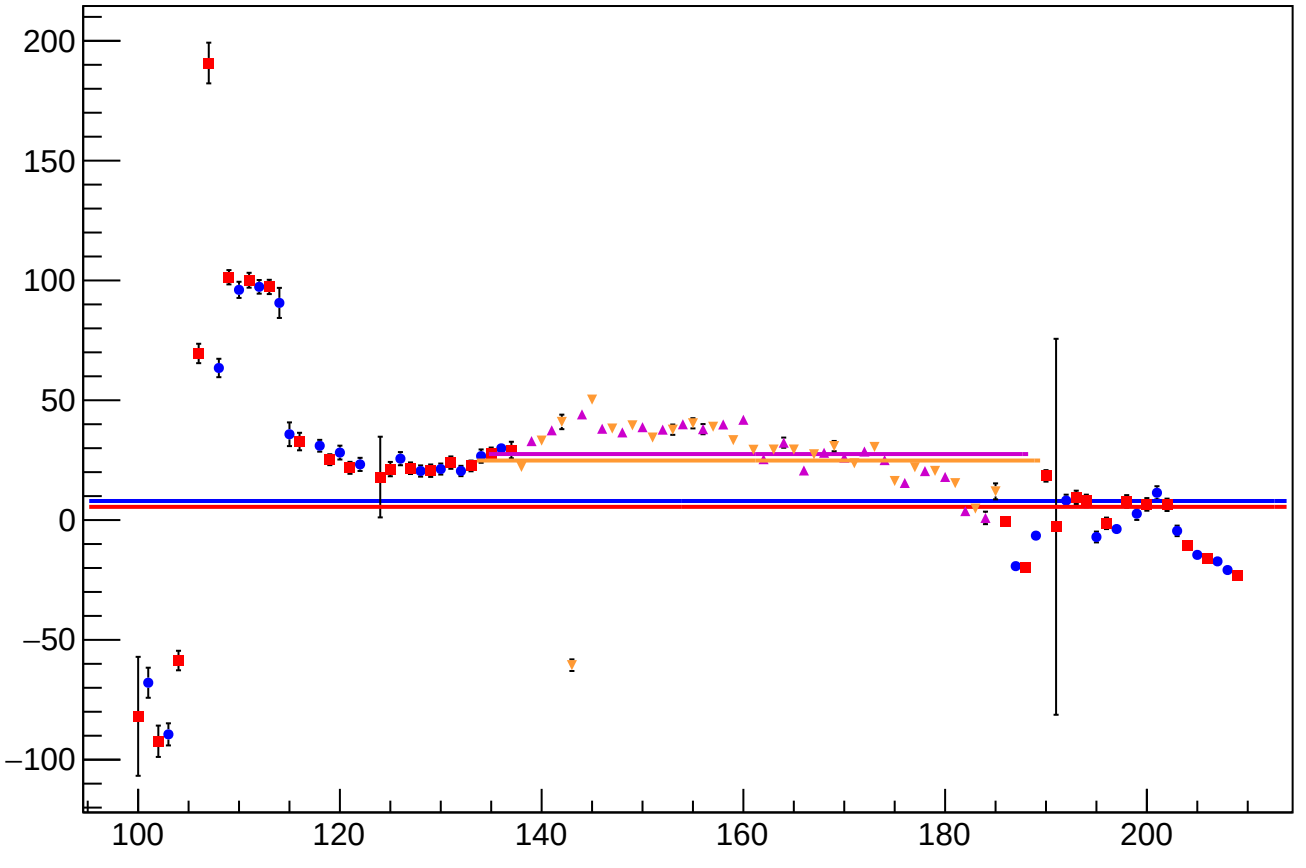
Left: -2.079+/-0.211 χ^2/NDF: 190.6/47

Right: -2.214+/-0.346 χ^2/NDF: 269.8/58

In: -1.896+/-0.260 χ^2/NDF:220.3/49

Out: -2.317+/-0.250 χ^2/NDF:238.8/56

All: -2.115+/-0.180 χ^2/NDF: 460.5/106



Right In: 7.958+/-0.457 χ^2/NDF: 4277.1/26

Left Out: 24.850+/-0.380 χ^2/NDF:2048.7/24

Right Out: 5.509+/-0.402 χ^2/NDF: 6069.3/31

Left In: 27.551+/-0.389 χ^2/NDF:881.9/22

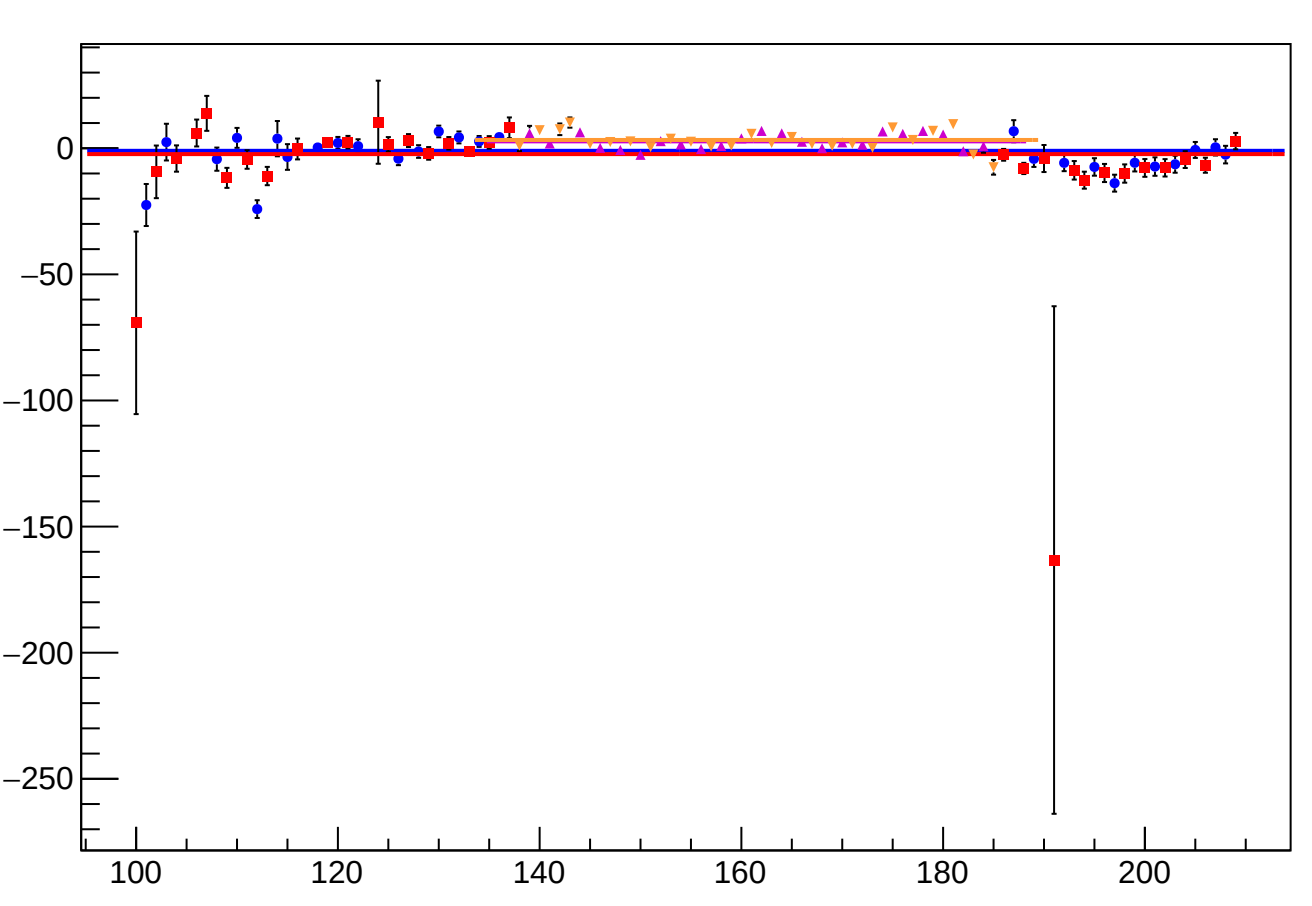
Left: 26.168+/-0.272 χ^2/NDF: 2955.3/47

Right: 6.576+/-0.302 χ^2/NDF: 10362.5/58

In: 19.326+/-0.296 χ^2/NDF:6224.6/49

Out: 15.718+/-0.276 χ^2/NDF:9342.6/56

All: 17.394+/-0.202 χ^2/NDF: 15646.6/106



Right In: -1.015+/-0.582 χ^2/NDF: 115.9/26

Left Out: 3.287+/-0.331 χ^2/NDF:106.3/24

Right Out: -2.322+/-0.568 χ^2/NDF: 93.8/31

Left In: 2.730+/-0.342 χ^2/NDF:74.5/22

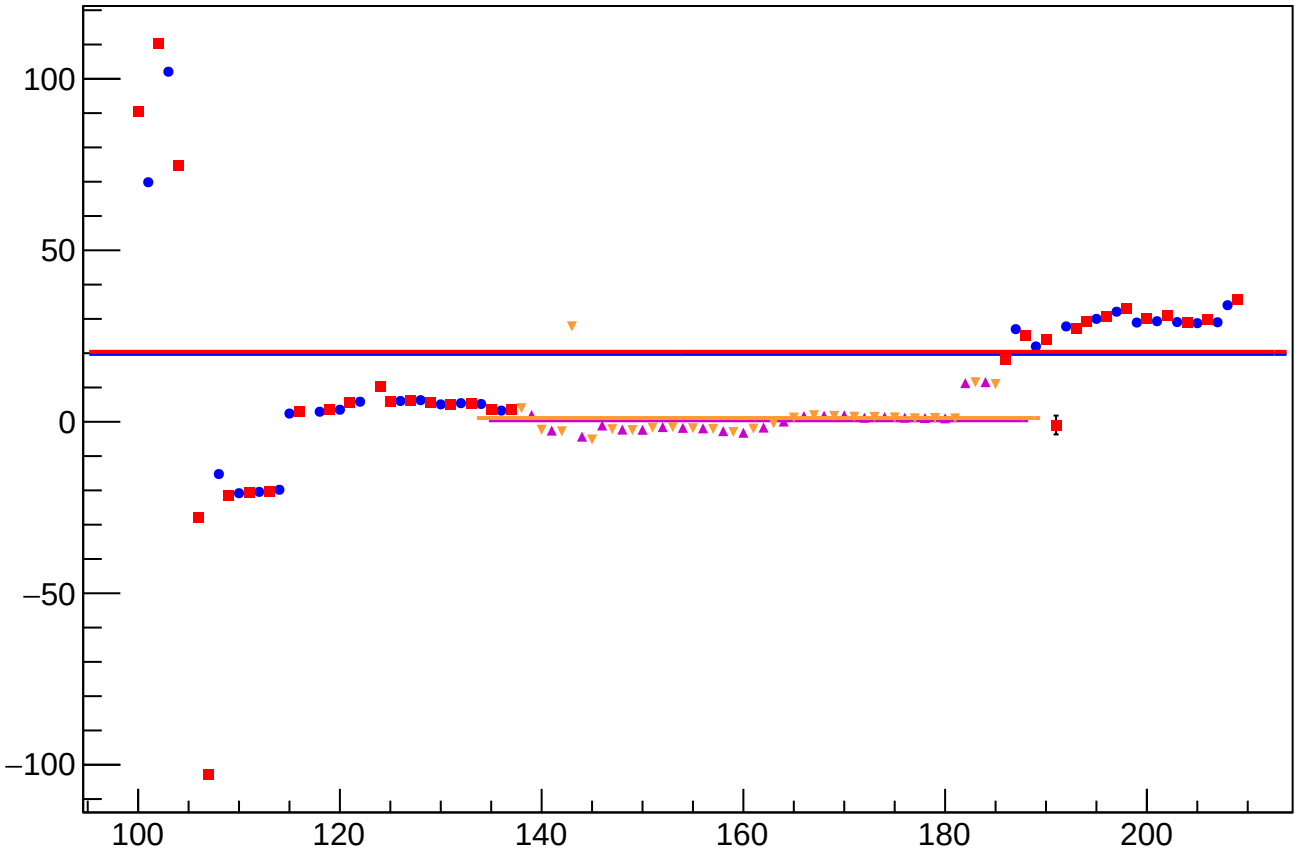
Left: 3.017+/-0.238 χ^2/NDF: 182.1/47

Right: -1.684+/-0.407 χ^2/NDF: 212.2/58

In: 1.768+/-0.295 χ^2/NDF:221.1/49

Out: 1.865+/-0.286 χ^2/NDF:272.7/56

All: 1.818+/-0.205 χ^2/NDF: 493.9/106



Right In: 19.805+/-0.028 χ^2/NDF: 483379.3/26

Left Out: 1.094+/-0.015 χ^2/NDF:128801.7/24

Right Out: 20.407+/-0.027 χ^2/NDF: 633831.8/31

Left In: 0.443+/-0.015 χ^2/NDF:53446.3/22

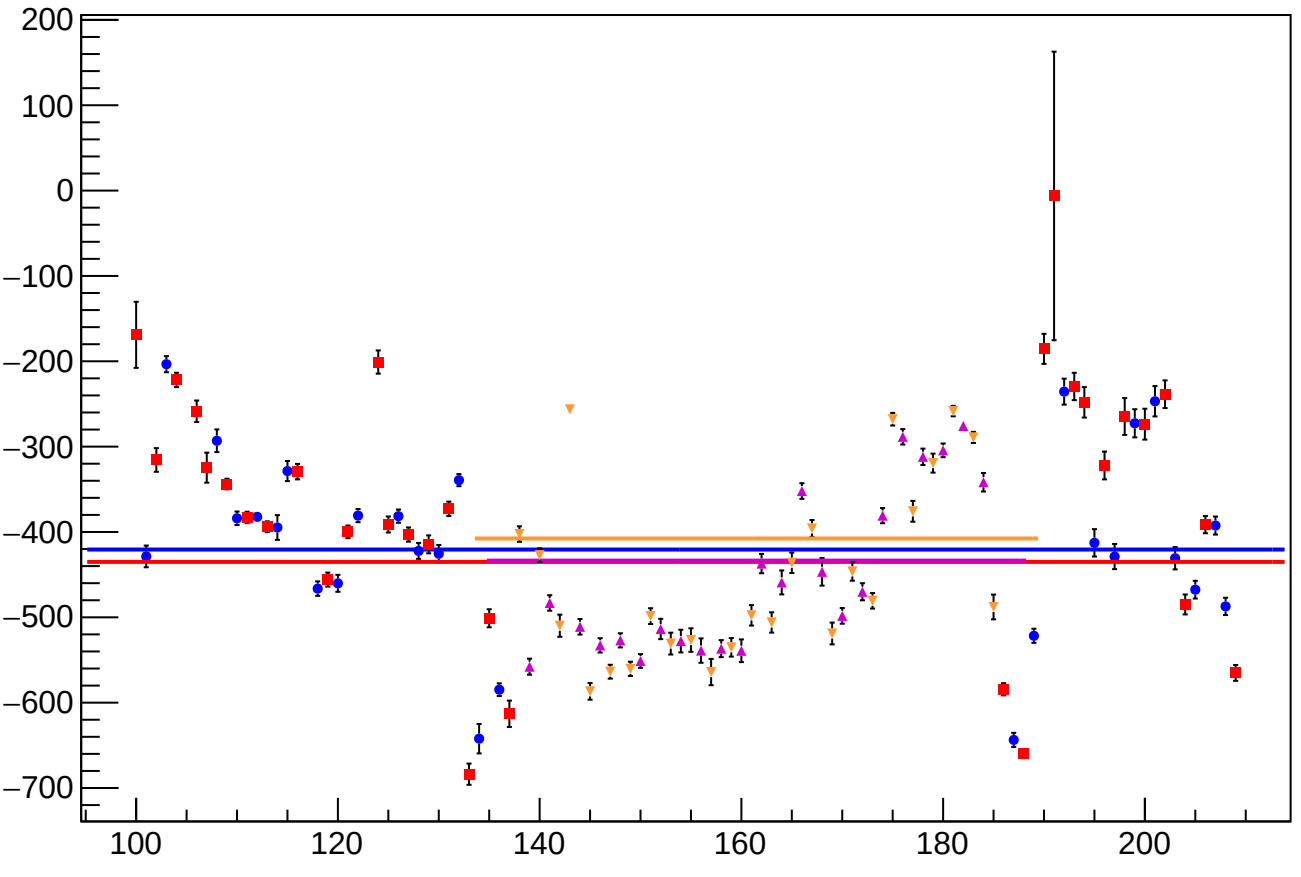
Left: 0.774+/-0.011 χ^2/NDF: 183195.5/47

Right: 20.110+/-0.019 χ^2/NDF: 1117449.7/58

In: 4.873+/-0.013 χ^2/NDF:913701.8/49

Out: 5.474+/-0.013 χ^2/NDF:1146861.4/56

All: 5.178+/-0.009 χ^2/NDF: 2061608.1/106



Right In: -420.565+/-1.881 χ^2/NDF: 2899.2/26

Left Out: -407.620+/-1.868 χ^2/NDF:4005.6/24

Right Out: -435.042+/-1.703 χ^2/NDF: 6548.7/31

Left In: -433.529+/-1.993 χ^2/NDF:2724.5/22

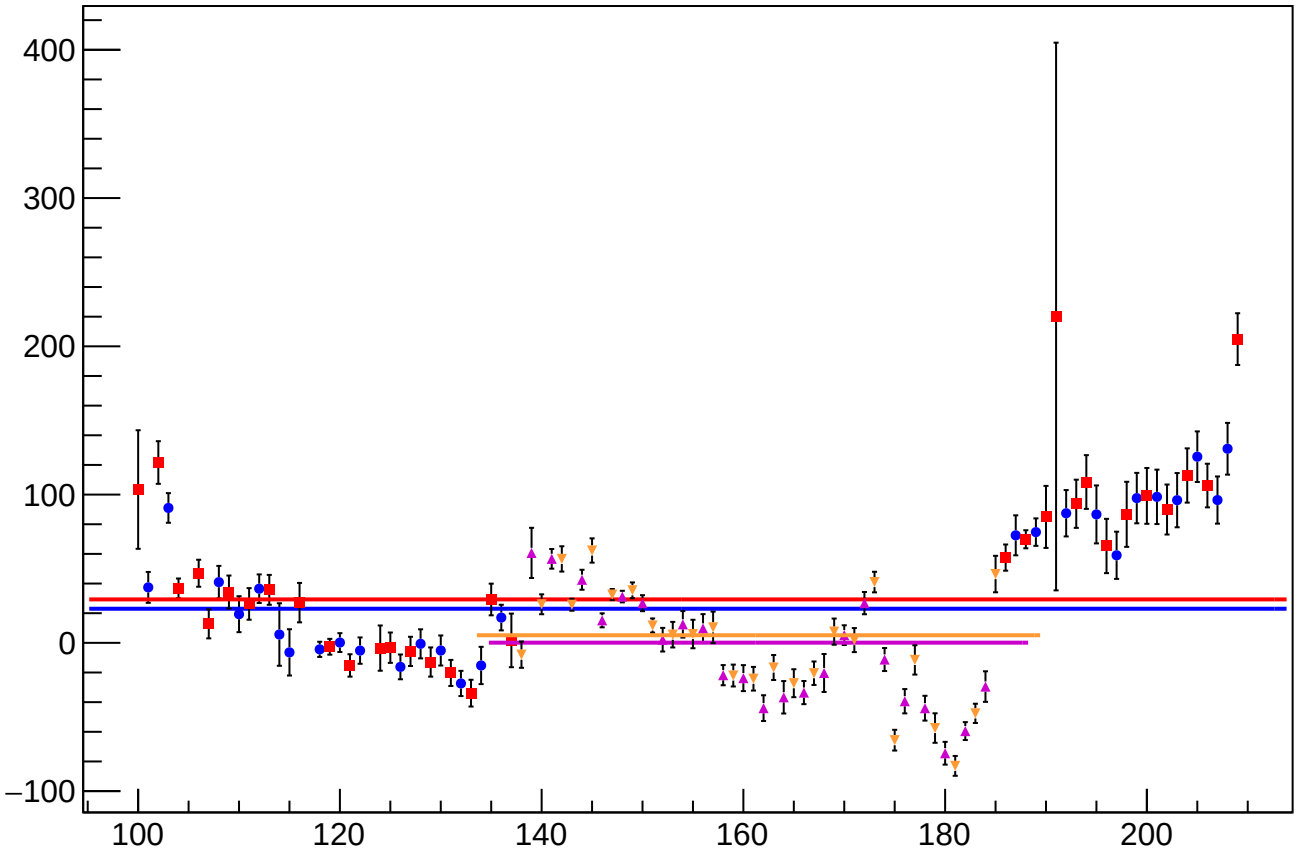
Left: -419.735+/-1.363 χ^2/NDF: 6820.1/47

Right: -428.522+/-1.263 χ^2/NDF: 9480.5/58

In: -426.673+/-1.368 χ^2/NDF:5646.1/49

Out: -422.594+/-1.258 χ^2/NDF:10672.0/56

All: -424.464+/-0.926 χ^2/NDF: 16323.0/106



Right In: 23.006+/-2.029 χ^2/NDF: 414.2/26

Left Out: 5.125+/-1.379 χ^2/NDF:689.2/24

Right Out: 29.308+/-1.895 χ^2/NDF: 537.0/31

Left In: 0.124+/-1.489 χ^2/NDF:568.6/22

Left: 2.817+/-1.012 χ^2/NDF: 1263.8/47

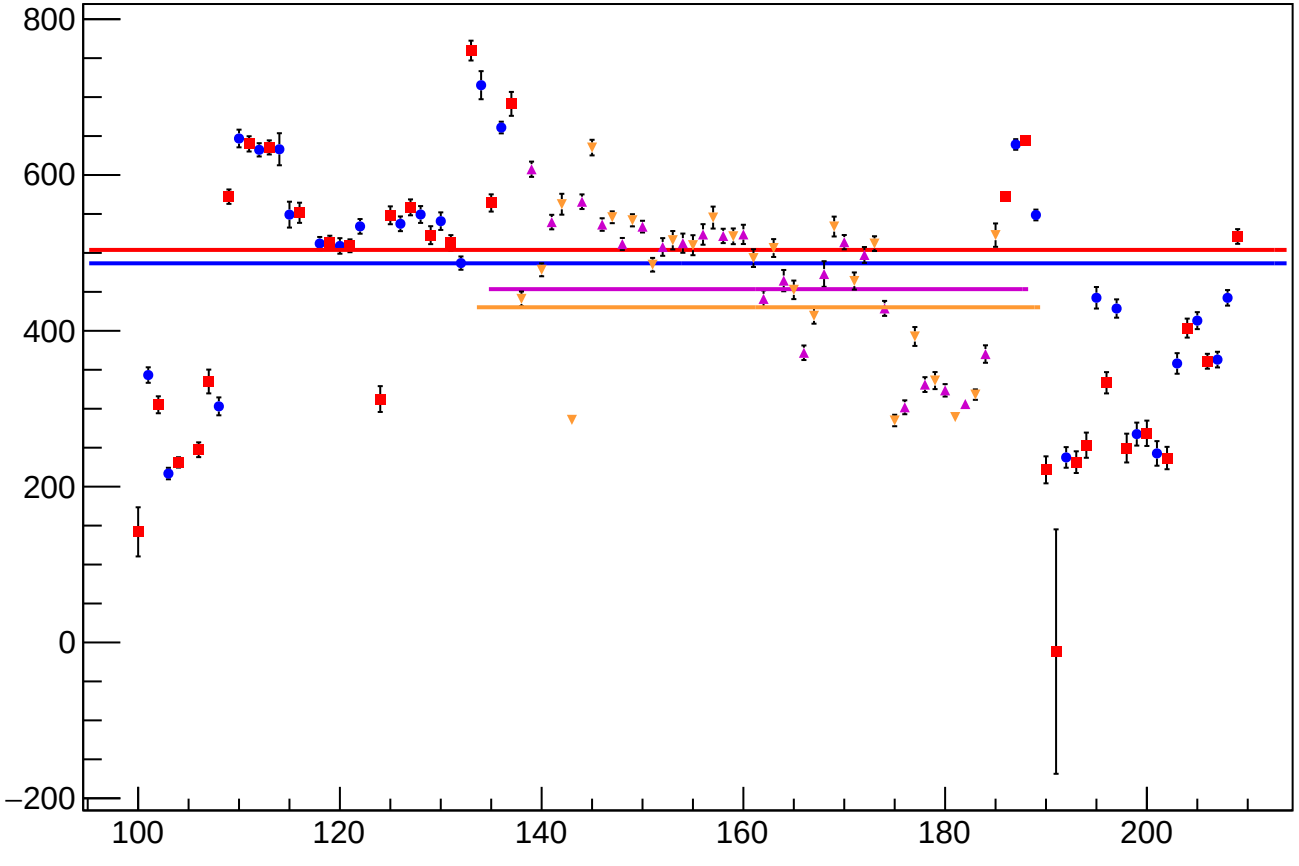
Right: 26.371+/-1.385 χ^2/NDF: 956.4/58

In: 8.137+/-1.201 χ^2/NDF:1065.4/49

Out: 13.491+/-1.115 χ^2/NDF:1332.7/56

All: 11.012+/-0.817 χ^2/NDF: 2408.7/106

reg_asym_at2_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 486.645+/-1.946 χ^2/NDF: 4914.6/26

Left Out: 430.238+/-1.861 χ^2/NDF:3405.1/24

Right Out: 503.850+/-1.707 χ^2/NDF: 8070.3/31

Left In: 453.496+/-1.974 χ^2/NDF:2419.7/22

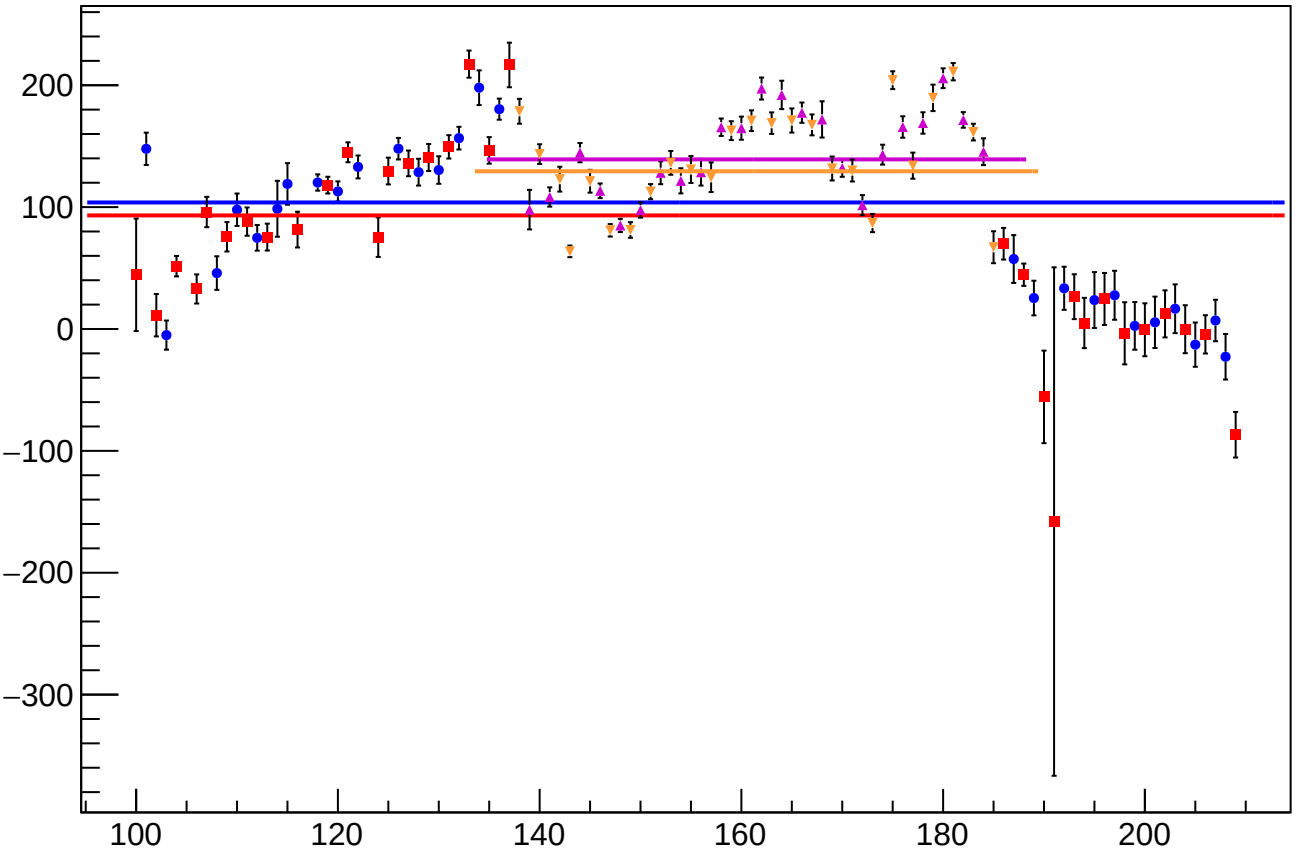
Left: 441.183+/-1.354 χ^2/NDF: 5898.2/47

Right: 496.364+/-1.283 χ^2/NDF: 13029.0/58

In: 470.310+/-1.386 χ^2/NDF:7477.3/49

Out: 470.206+/-1.258 χ^2/NDF:12324.8/56

All: 470.253+/-0.931 χ^2/NDF: 19802.1/106



Right In: 103.812+/-2.379 χ^2/NDF: 592.3/26

Left Out: 129.418+/-1.593 χ^2/NDF:814.3/24

Right Out: 93.181+/-2.257 χ^2/NDF: 702.0/31

Left In: 139.163+/-1.705 χ^2/NDF:434.2/22

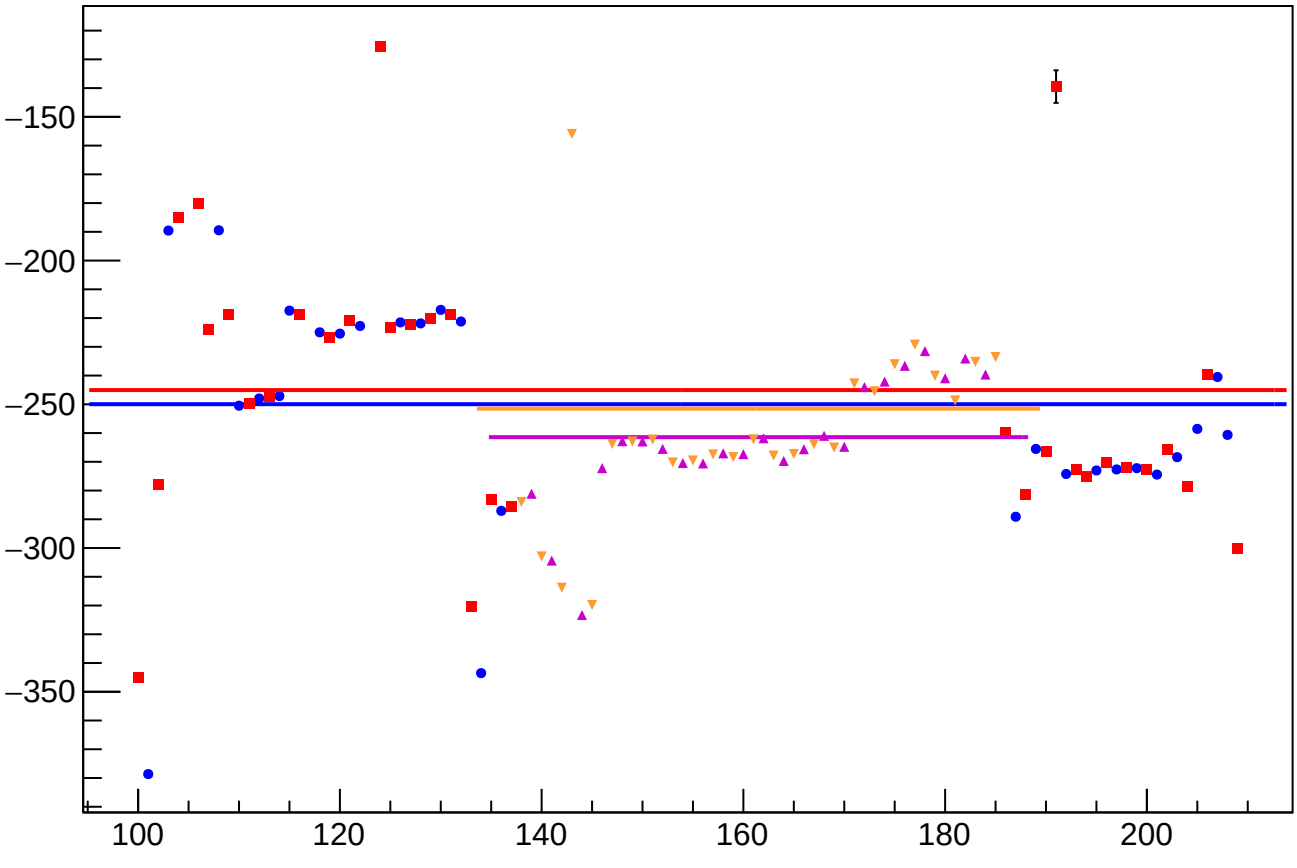
Left: 133.959+/-1.164 χ^2/NDF: 1265.9/47

Right: 98.218+/-1.637 χ^2/NDF: 1304.9/58

In: 127.166+/-1.386 χ^2/NDF:1172.4/49

Out: 117.374+/-1.301 χ^2/NDF:1688.4/56

All: 121.963+/-0.949 χ^2/NDF: 2887.3/106



Right In: -249.961+/-0.121 χ^2/NDF: 148446.9/26

Left Out: -251.508+/-0.075 χ^2/NDF:254924.4/24

Right Out: -245.051+/-0.116 χ^2/NDF: 116546.8/31

Left In: -261.425+/-0.078 χ^2/NDF:69557.7/22

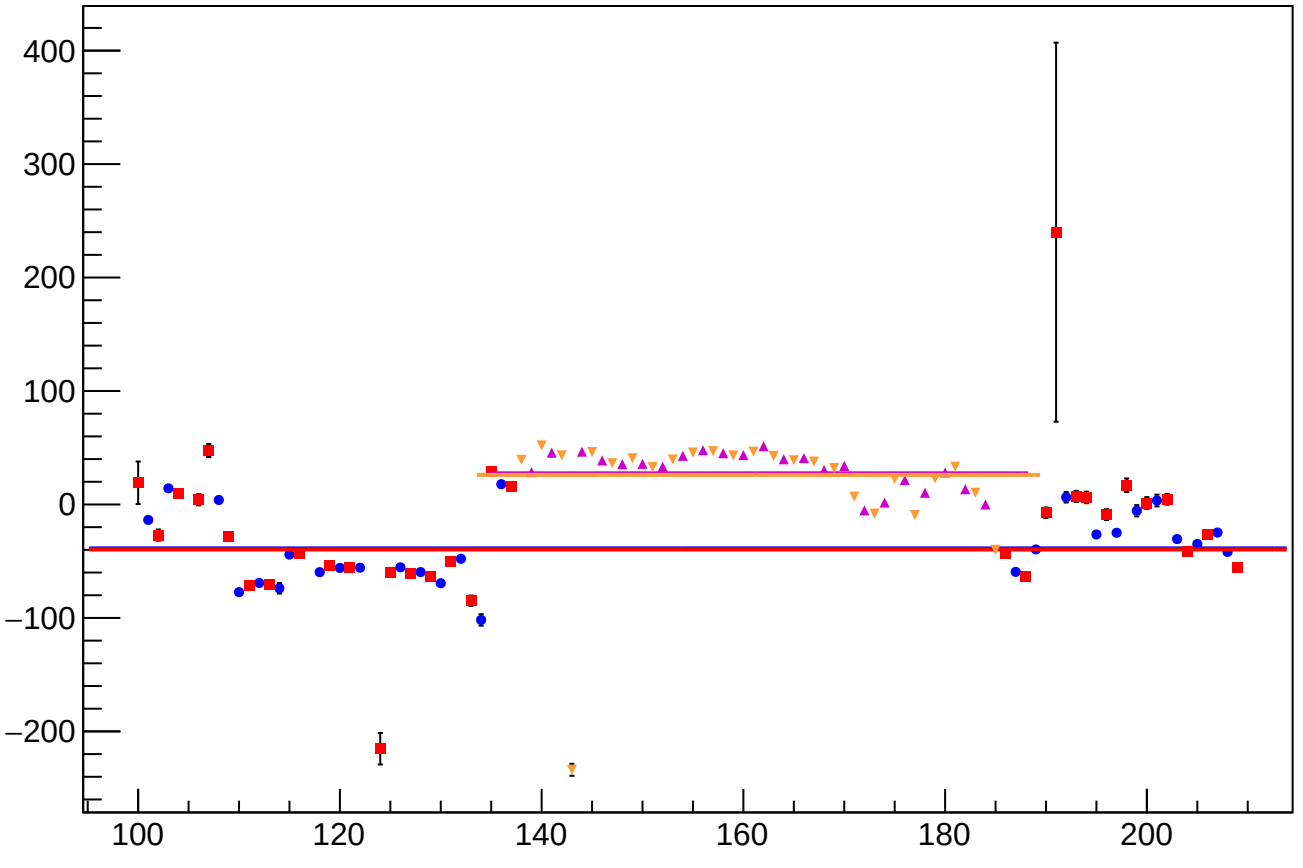
Left: -256.253+/-0.054 χ^2/NDF: 332939.5/47

Right: -247.406+/-0.084 χ^2/NDF: 265846.2/58

In: -258.079+/-0.066 χ^2/NDF:224329.4/49

Out: -249.630+/-0.063 χ^2/NDF:373651.4/56

All: -253.675+/-0.045 χ^2/NDF: 606645.7/106



Right In: -38.735+/-0.588 χ^2/NDF: 2742.4/26

Left Out: 26.087+/-0.390 χ^2/NDF:4785.1/24

Right Out: -39.683+/-0.523 χ^2/NDF: 3300.7/31

Left In: 27.466+/-0.396 χ^2/NDF:1608.9/22

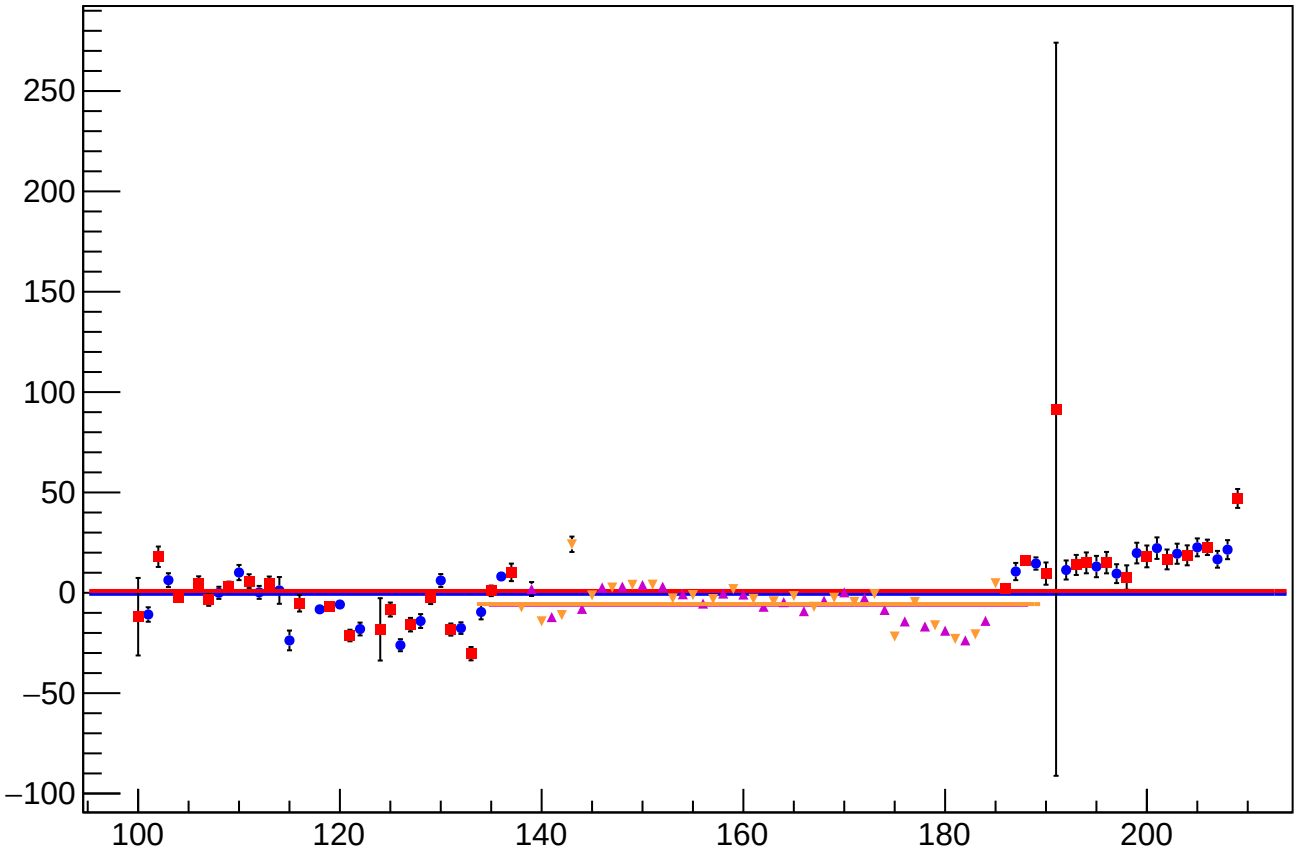
Left: 26.766+/-0.278 χ^2/NDF: 6400.2/47

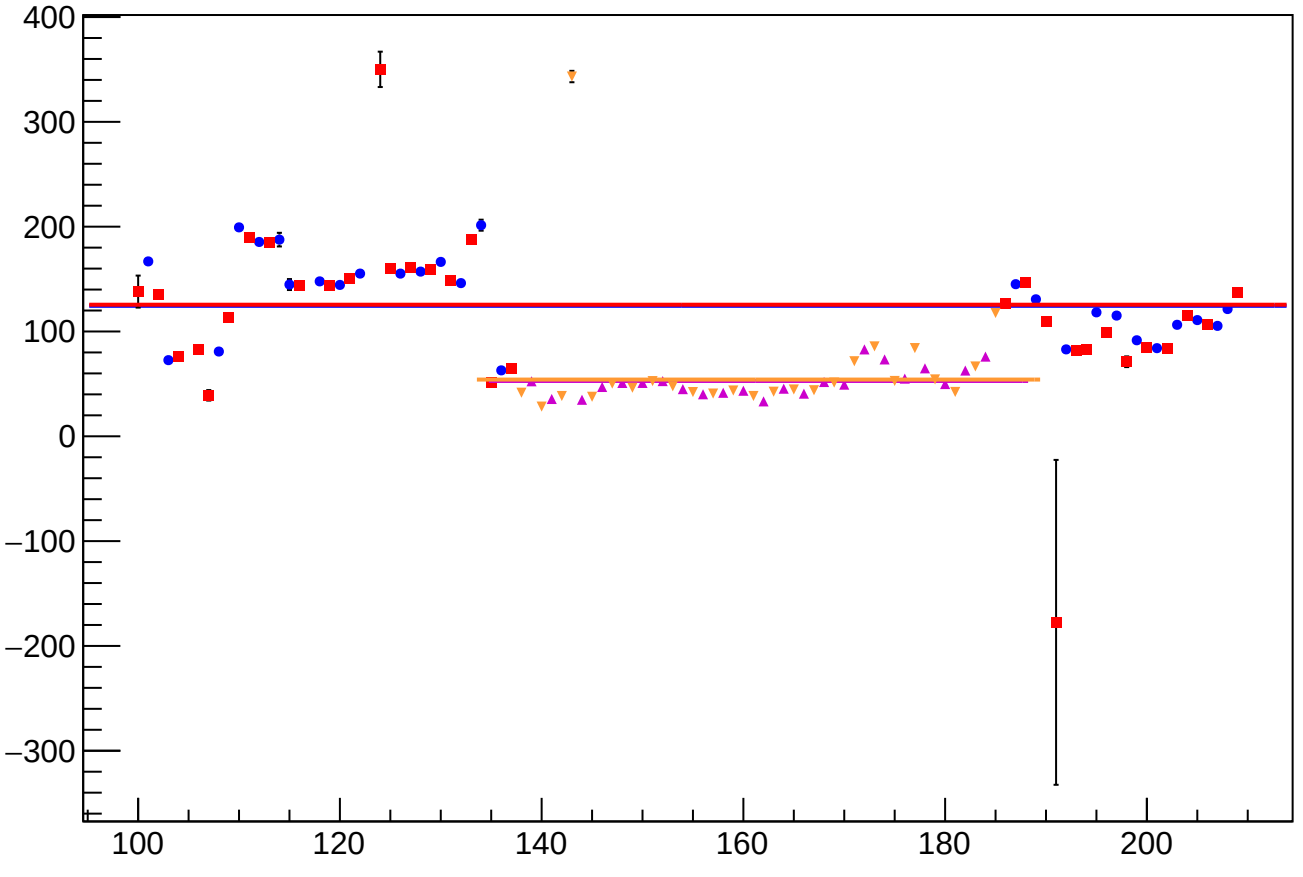
Right: -39.264+/-0.391 χ^2/NDF: 6044.5/58

In: 6.825+/-0.328 χ^2/NDF:13074.5/49

Out: 2.620+/-0.313 χ^2/NDF:18249.4/56

All: 4.619+/-0.226 χ^2/NDF: 31409.9/106


reg_asym_at2_dd_diff_bpm4aY_slope vs Slug, Sign Corrected
250
200
150
100
50
0
−50
−100
100
120
140
160
180
200
Right In: -0.509+/-0.657 χ²/NDF: 407.3/26
Left Out: -5.625+/-0.302 χ²/NDF:893.3/24
Right Out: 0.913+/-0.610 χ²/NDF: 503.1/31
Left In: -5.940+/-0.309 χ²/NDF:712.2/22
Left: -5.779+/-0.216 χ²/NDF: 1606.1/47
Right: 0.255+/-0.447 χ²/NDF: 912.9/58
In: -4.957+/-0.280 χ²/NDF:1175.4/49
Out: -4.339+/-0.271 χ²/NDF:1488.6/56
All: -4.638+/-0.194 χ²/NDF: 2666.6/106



Right In: 124.493+/-0.603 χ^2/NDF: 4113.4/26

Left Out: 54.123+/-0.387 χ^2/NDF:4591.8/24

Right Out: 125.541+/-0.526 χ^2/NDF: 4439.2/31

Left In: 52.797+/-0.393 χ^2/NDF:978.1/22

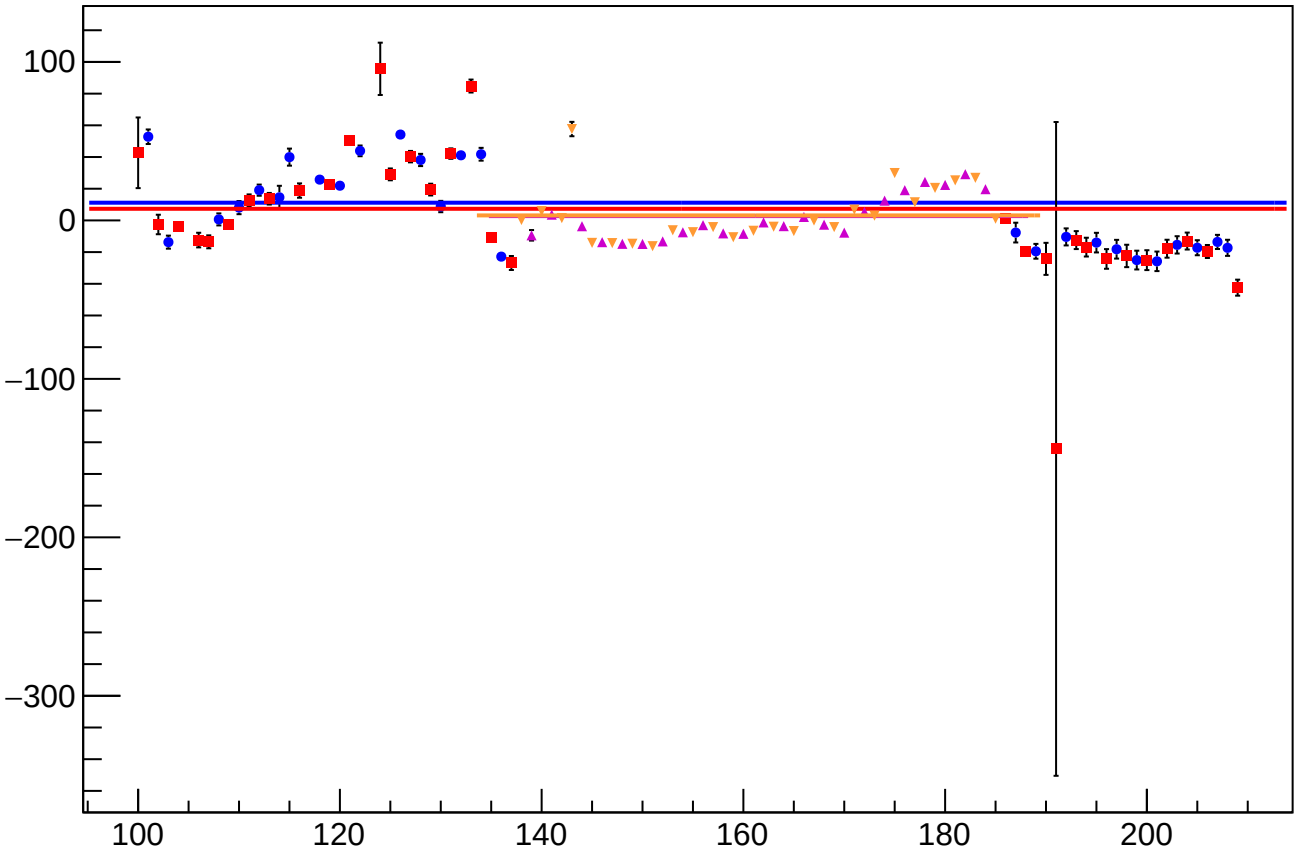
Left: 53.469+/-0.276 χ^2/NDF: 5575.7/47

Right: 125.088+/-0.397 χ^2/NDF: 8554.4/58

In: 74.117+/-0.329 χ^2/NDF:15008.8/49

Out: 79.199+/-0.312 χ^2/NDF:20971.6/56

All: 76.794+/-0.226 χ^2/NDF: 36106.0/106



Right In: 11.175+/-0.759 χ^2/NDF: 1246.1/26

Left Out: 3.155+/-0.340 χ^2/NDF:2012.4/24

Right Out: 7.334+/-0.723 χ^2/NDF: 1413.8/31

Left In: 2.722+/-0.347 χ^2/NDF:1735.2/22

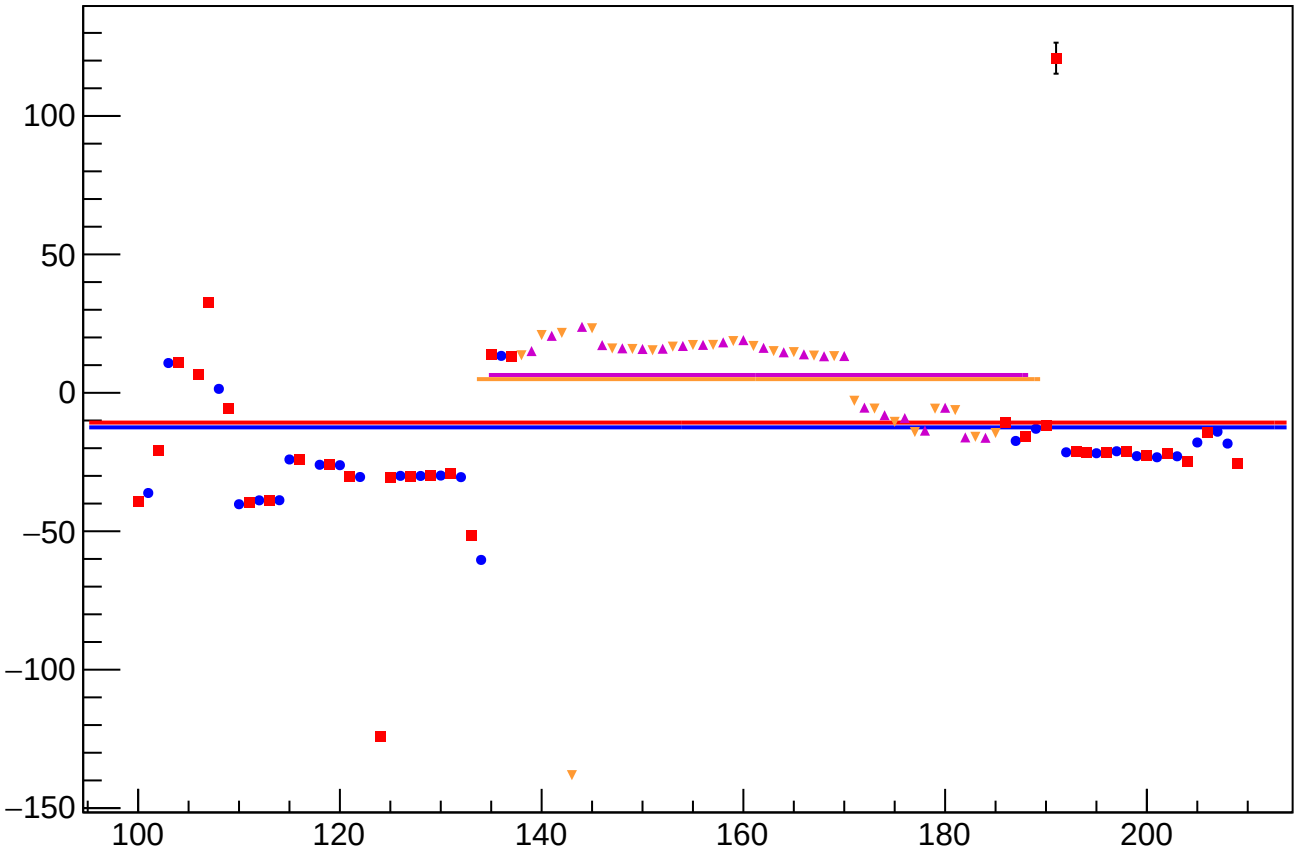
Left: 2.943+/-0.243 χ^2/NDF: 3748.4/47

Right: 9.160+/-0.524 χ^2/NDF: 2673.3/58

In: 4.180+/-0.315 χ^2/NDF:3083.8/49

Out: 3.912+/-0.308 χ^2/NDF:3453.5/56

All: 4.043+/-0.220 χ^2/NDF: 6537.7/106



Right In: -12.477+/-0.036 χ^2/NDF: 296281.9/26

Left Out: 4.946+/-0.015 χ^2/NDF:1136506.7/24

Right Out: -10.744+/-0.036 χ^2/NDF: 277934.4/31

Left In: 6.444+/-0.015 χ^2/NDF:729692.1/22

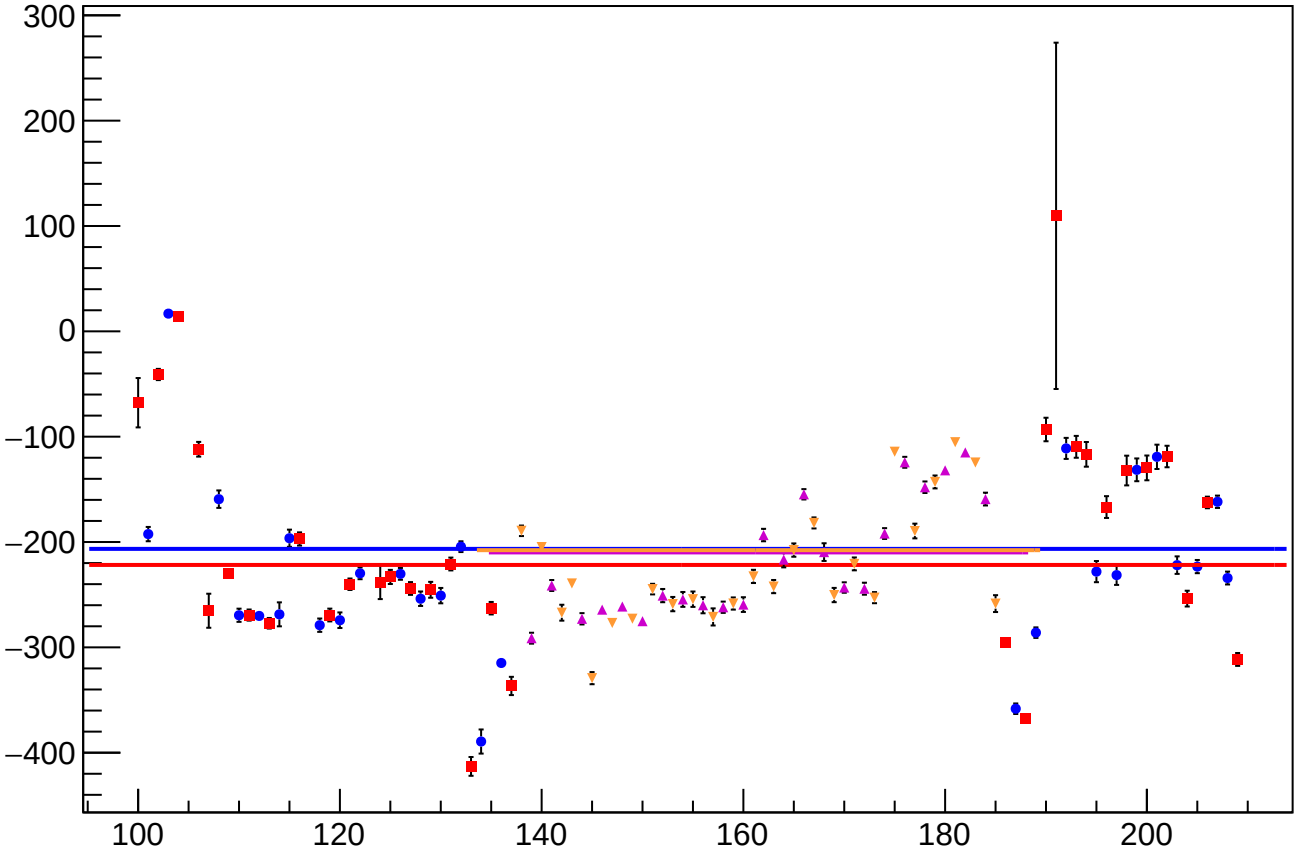
Left: 5.689+/-0.011 χ^2/NDF: 1871009.0/47

Right: -11.599+/-0.025 χ^2/NDF: 575384.5/58

In: 3.550+/-0.014 χ^2/NDF:1258757.2/49

Out: 2.524+/-0.014 χ^2/NDF:1578524.8/56

All: 3.032+/-0.010 χ^2/NDF: 2839947.5/106



Right In: -206.514+/-1.178 χ^2/NDF: 8814.3/26

Left Out: -207.745+/-1.070 χ^2/NDF:3487.2/24

Right Out: -221.763+/-1.072 χ^2/NDF: 12519.6/31

Left In: -209.875+/-1.101 χ^2/NDF:3011.9/22

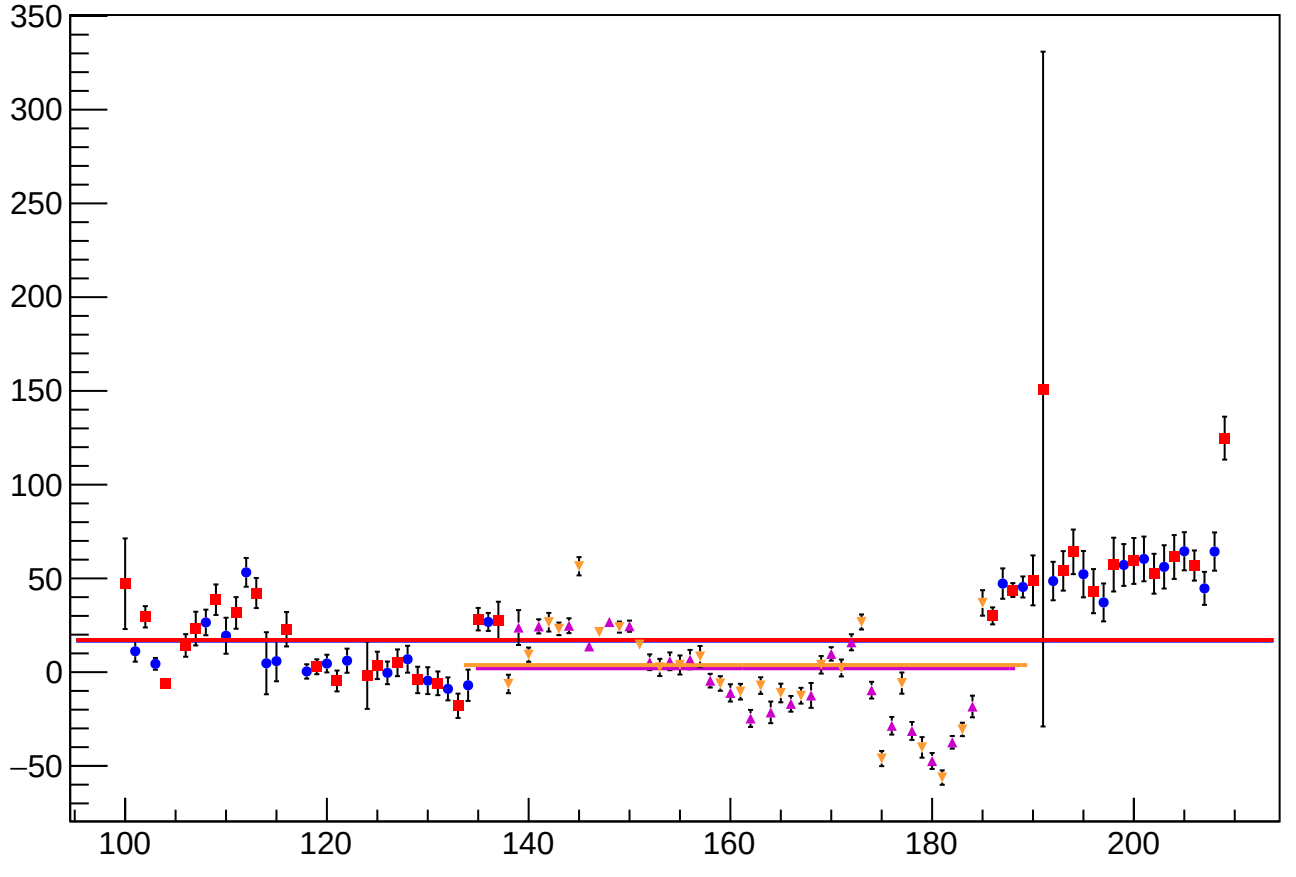
Left: -208.779+/-0.767 χ^2/NDF: 6500.9/47

Right: -214.853+/-0.793 χ^2/NDF: 21425.6/58

In: -208.308+/-0.805 χ^2/NDF:11830.5/49

Out: -214.736+/-0.757 χ^2/NDF:16092.4/56

All: -211.716+/-0.551 χ^2/NDF: 27956.8/106



Right In: 16.783+/-1.279 χ^2/NDF: 273.5/26

Left Out: 3.770+/-0.787 χ^2/NDF:972.1/24

Right Out: 17.165+/-1.158 χ^2/NDF: 468.7/31

Left In: 2.079+/-0.820 χ^2/NDF:770.2/22

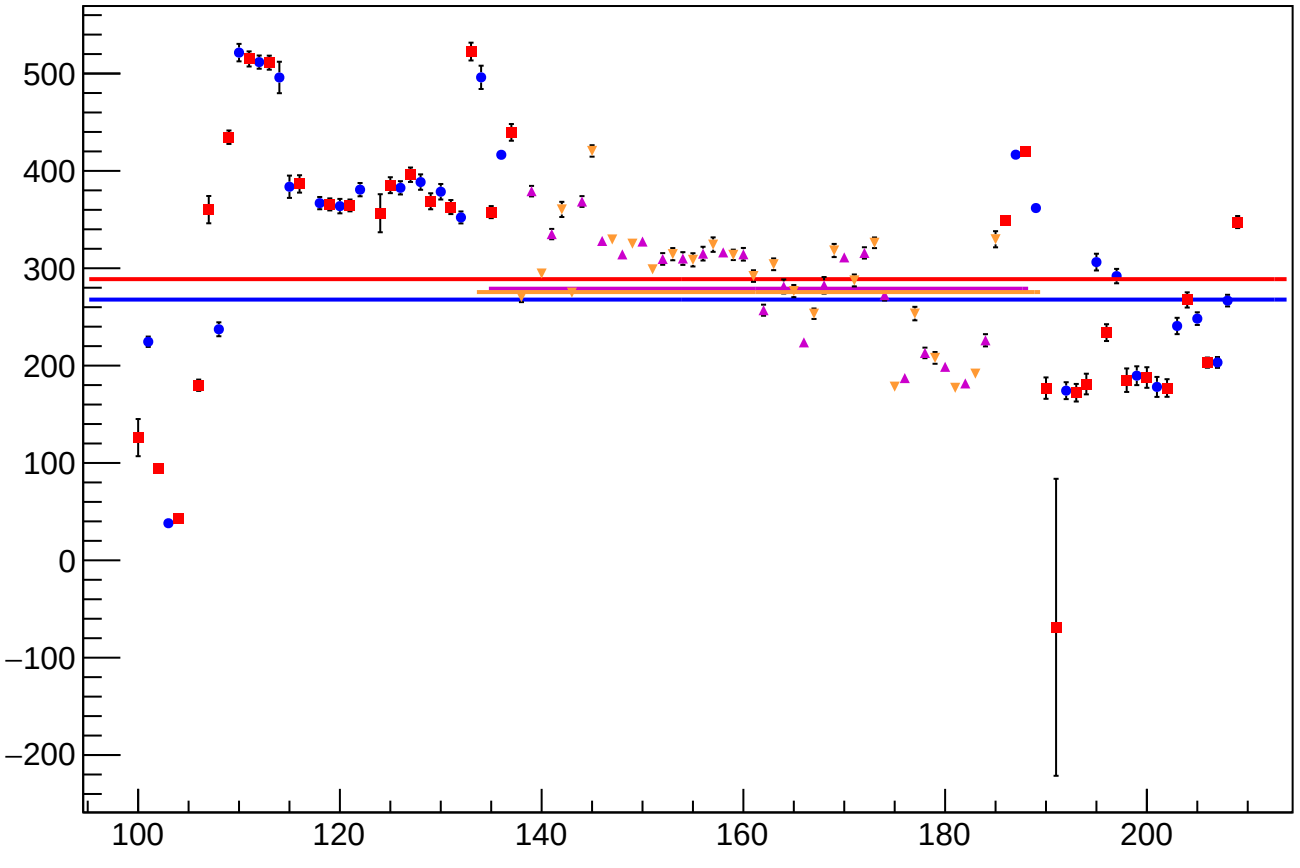
Left: 2.959+/-0.568 χ^2/NDF: 1744.5/47

Right: 16.993+/-0.858 χ^2/NDF: 742.3/58

In: 6.362+/-0.690 χ^2/NDF:1137.4/49

Out: 8.006+/-0.651 χ^2/NDF:1532.4/56

All: 7.232+/-0.474 χ^2/NDF: 2672.7/106



Right In: 267.816+/-1.136 χ^2/NDF: 17747.6/26

Left Out: 275.536+/-1.062 χ^2/NDF:3323.1/24

Right Out: 288.807+/-1.006 χ^2/NDF: 22250.8/31

Left In: 278.989+/-1.089 χ^2/NDF:3114.7/22

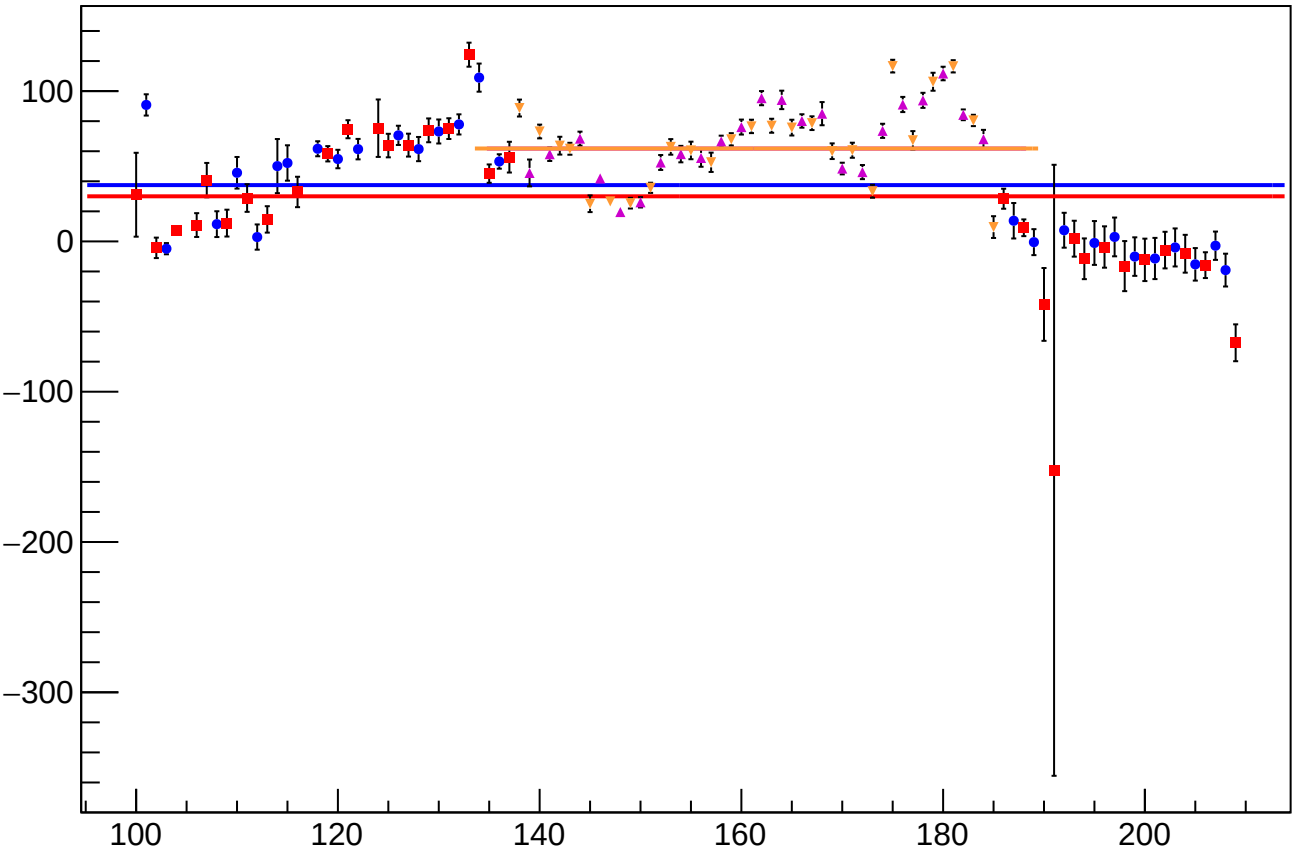
Left: 277.219+/-0.760 χ^2/NDF: 6443.0/47

Right: 279.574+/-0.753 χ^2/NDF: 40189.8/58

In: 273.638+/-0.786 χ^2/NDF:20912.7/49

Out: 282.528+/-0.730 χ^2/NDF:25656.2/56

All: 278.408+/-0.535 χ^2/NDF: 46637.6/106



Right In: 37.462+/-1.501 χ^2/NDF: 569.3/26

Left Out: 61.818+/-0.907 χ^2/NDF:959.5/24

Right Out: 30.005+/-1.402 χ^2/NDF: 620.0/31

Left In: 61.763+/-0.939 χ^2/NDF:736.0/22

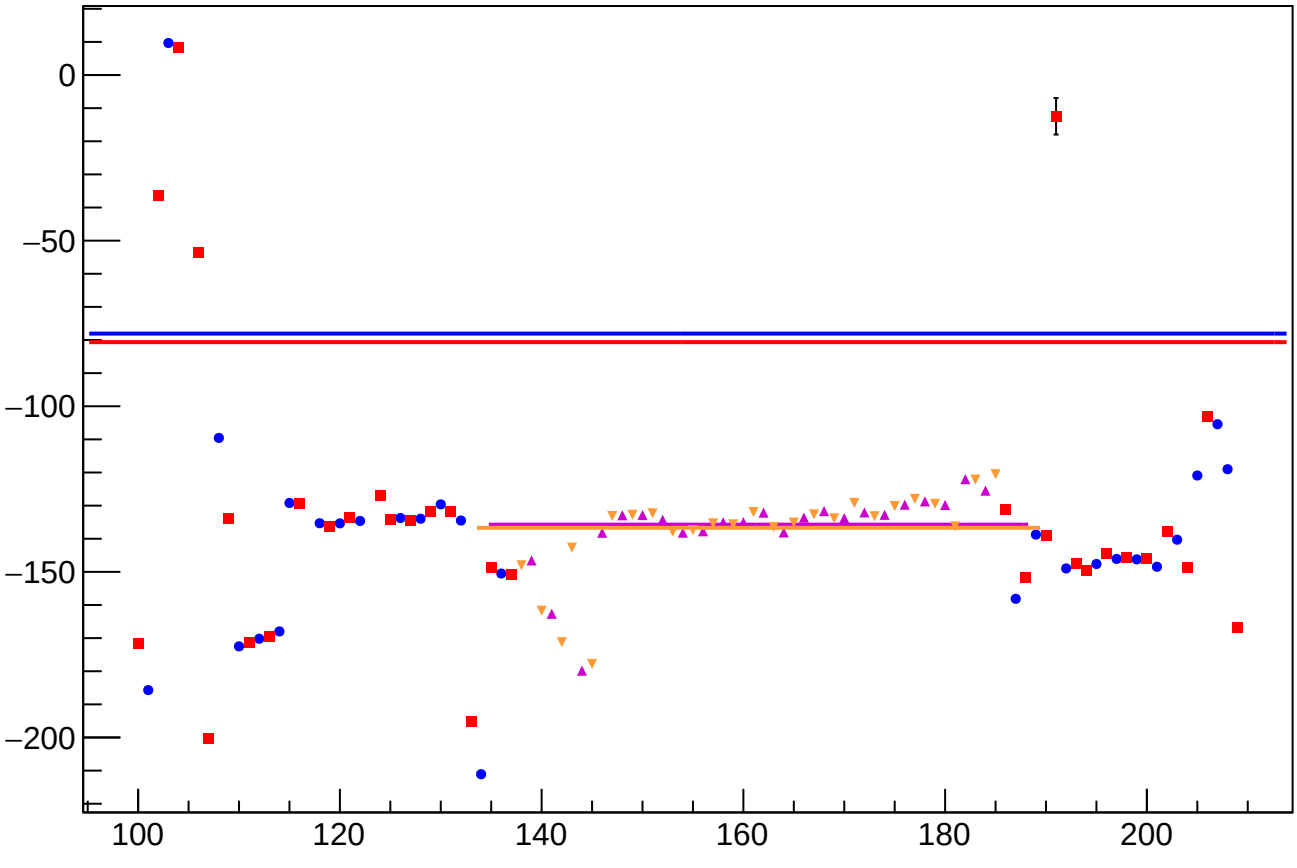
Left: 61.791+/-0.652 χ^2/NDF: 1695.5/47

Right: 33.480+/-1.024 χ^2/NDF: 1202.5/58

In: 54.928+/-0.796 χ^2/NDF:1493.8/49

Out: 52.423+/-0.762 χ^2/NDF:1942.4/56

All: 53.621+/-0.550 χ^2/NDF: 3441.4/106



Right In: -78.061+/-0.063 χ^2/NDF: 1524594.8/26

Left Out: -136.695+/-0.042 χ^2/NDF:79006.9/24

Right Out: -80.647+/-0.063 χ^2/NDF: 1238588.4/31

Left In: -135.745+/-0.043 χ^2/NDF:63681.9/22

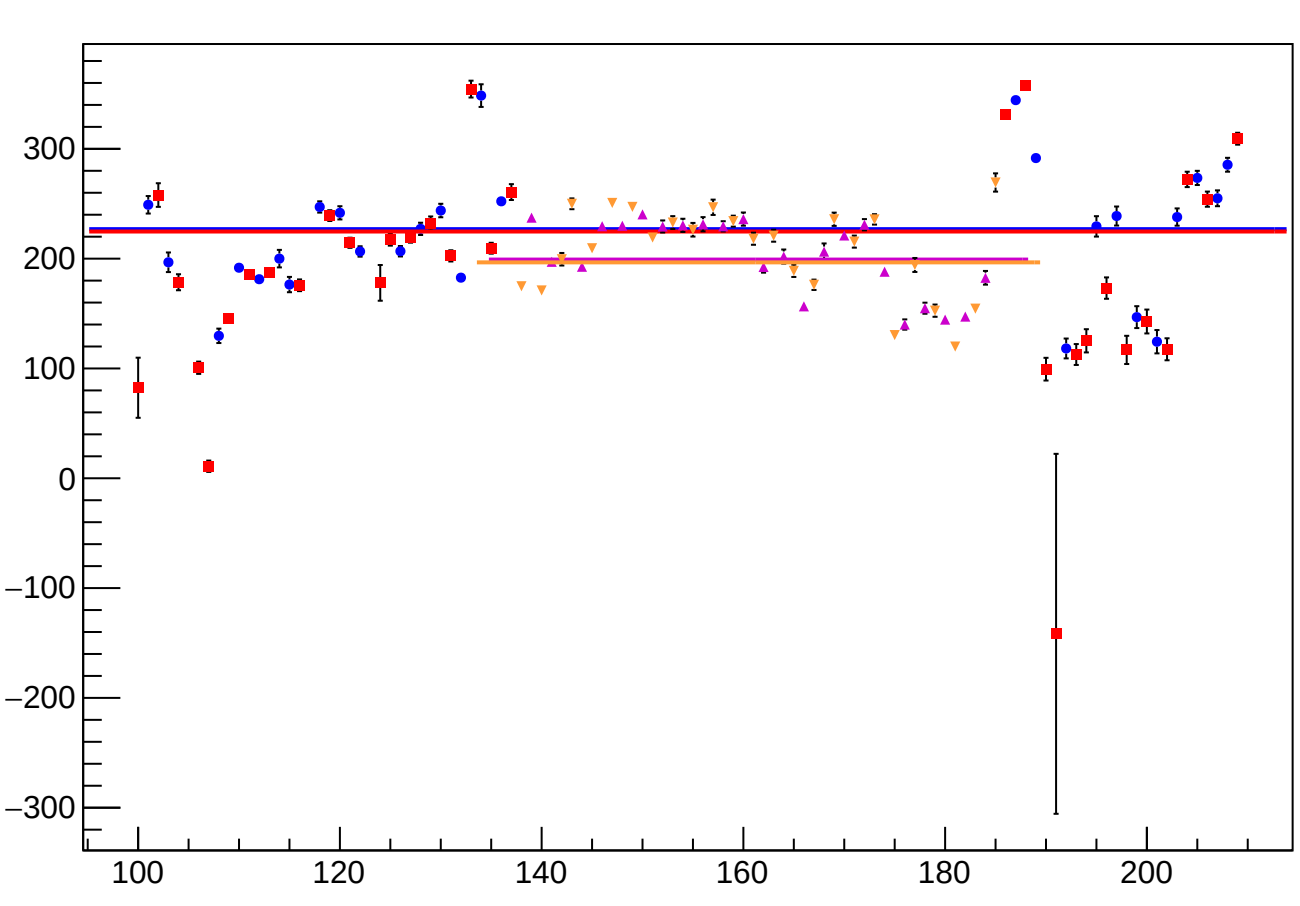
Left: -136.226+/-0.030 χ^2/NDF: 142938.0/47

Right: -79.354+/-0.045 χ^2/NDF: 2764023.6/58

In: -117.555+/-0.035 χ^2/NDF:2160980.2/49

Out: -119.331+/-0.035 χ^2/NDF:1862883.2/56

All: -118.451+/-0.025 χ^2/NDF: 4025132.3/10



Right In: 226.867+/-1.096 χ^2/NDF: 2269.9/26

Left Out: 196.615+/-0.946 χ^2/NDF:2075.5/24

Right Out: 224.709+/-0.962 χ^2/NDF: 8416.1/31

Left In: 199.153+/-0.973 χ^2/NDF:1294.6/22

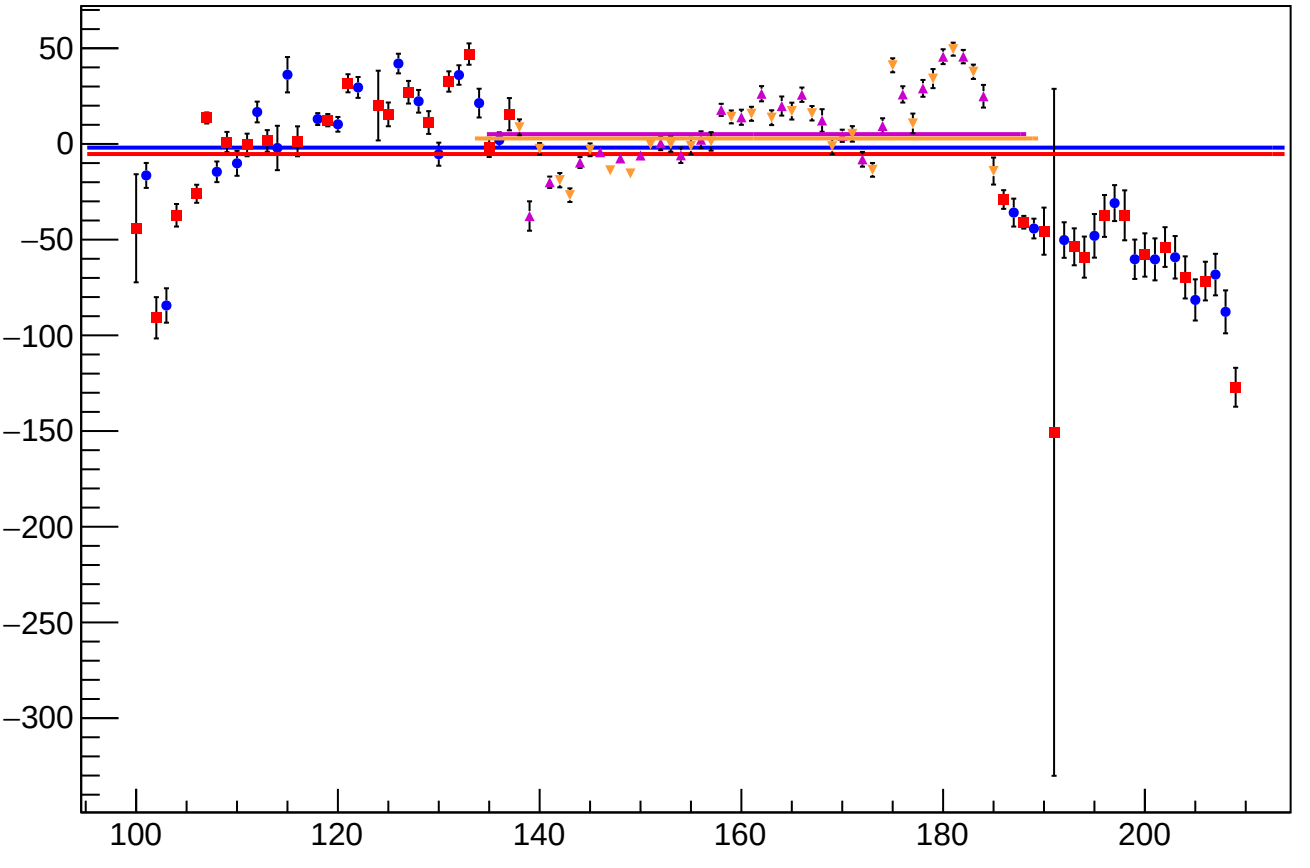
Left: 197.849+/-0.678 χ^2/NDF: 3373.6/47

Right: 225.649+/-0.723 χ^2/NDF: 10688.2/58

In: 211.369+/-0.727 χ^2/NDF:3922.2/49

Out: 210.427+/-0.675 χ^2/NDF:10924.9/56

All: 210.863+/-0.495 χ^2/NDF: 14848.0/106



Right In: -1.929+/-1.194 χ^2/NDF: 727.1/26

Left Out: 2.870+/-0.693 χ^2/NDF:752.8/24

Right Out: -5.279+/-1.063 χ^2/NDF: 928.9/31

Left In: 5.126+/-0.718 χ^2/NDF:628.6/22

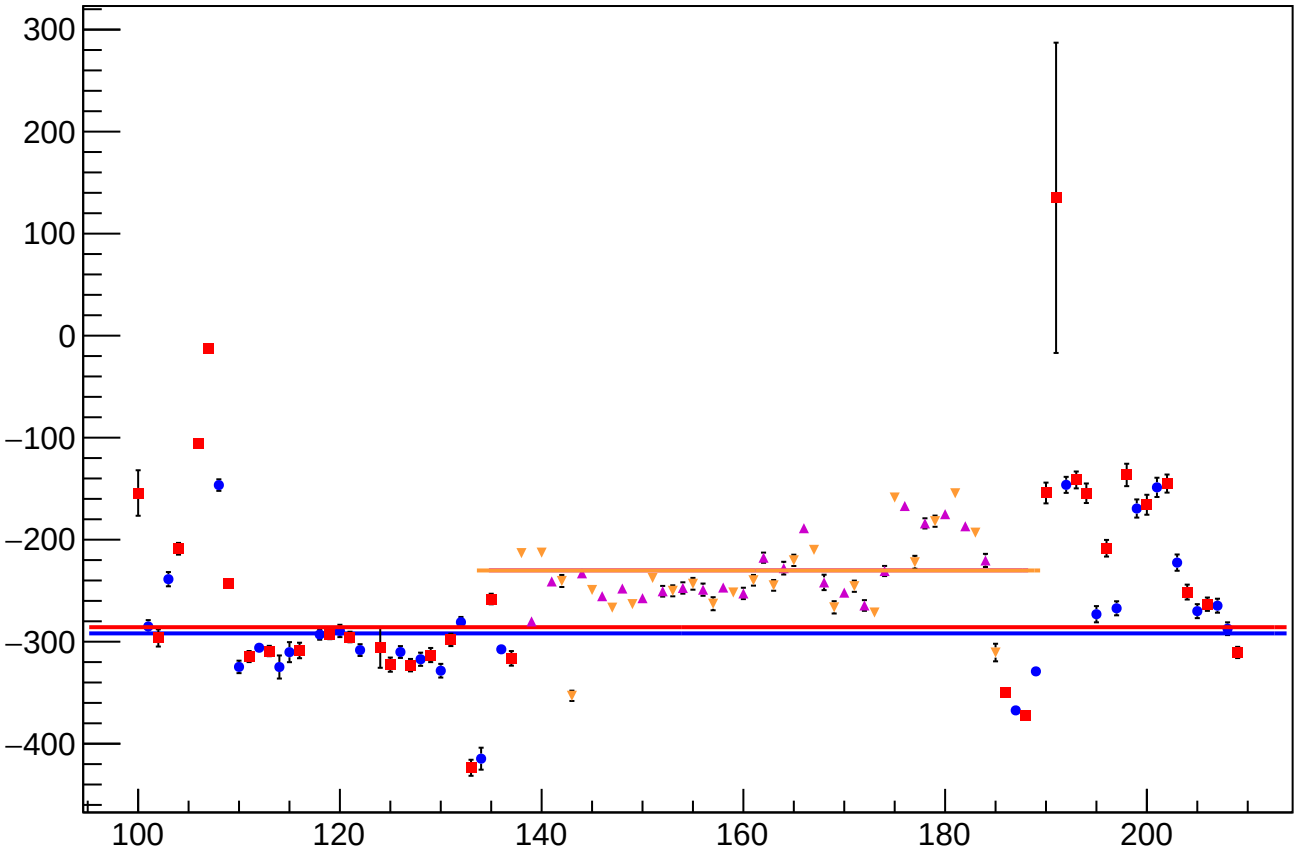
Left: 3.958+/-0.499 χ^2/NDF: 1386.5/47

Right: -3.798+/-0.794 χ^2/NDF: 1660.4/58

In: 3.253+/-0.615 χ^2/NDF:1381.3/49

Out: 0.440+/-0.581 χ^2/NDF:1722.9/56

All: 1.765+/-0.422 χ^2/NDF: 3115.3/106



Right In: -291.864+/-1.142 χ^2/NDF: 2379.2/26

Left Out: -230.182+/-0.939 χ^2/NDF:2181.9/24

Right Out: -285.782+/-0.970 χ^2/NDF: 9939.1/31

Left In: -230.047+/-0.961 χ^2/NDF:1094.0/22

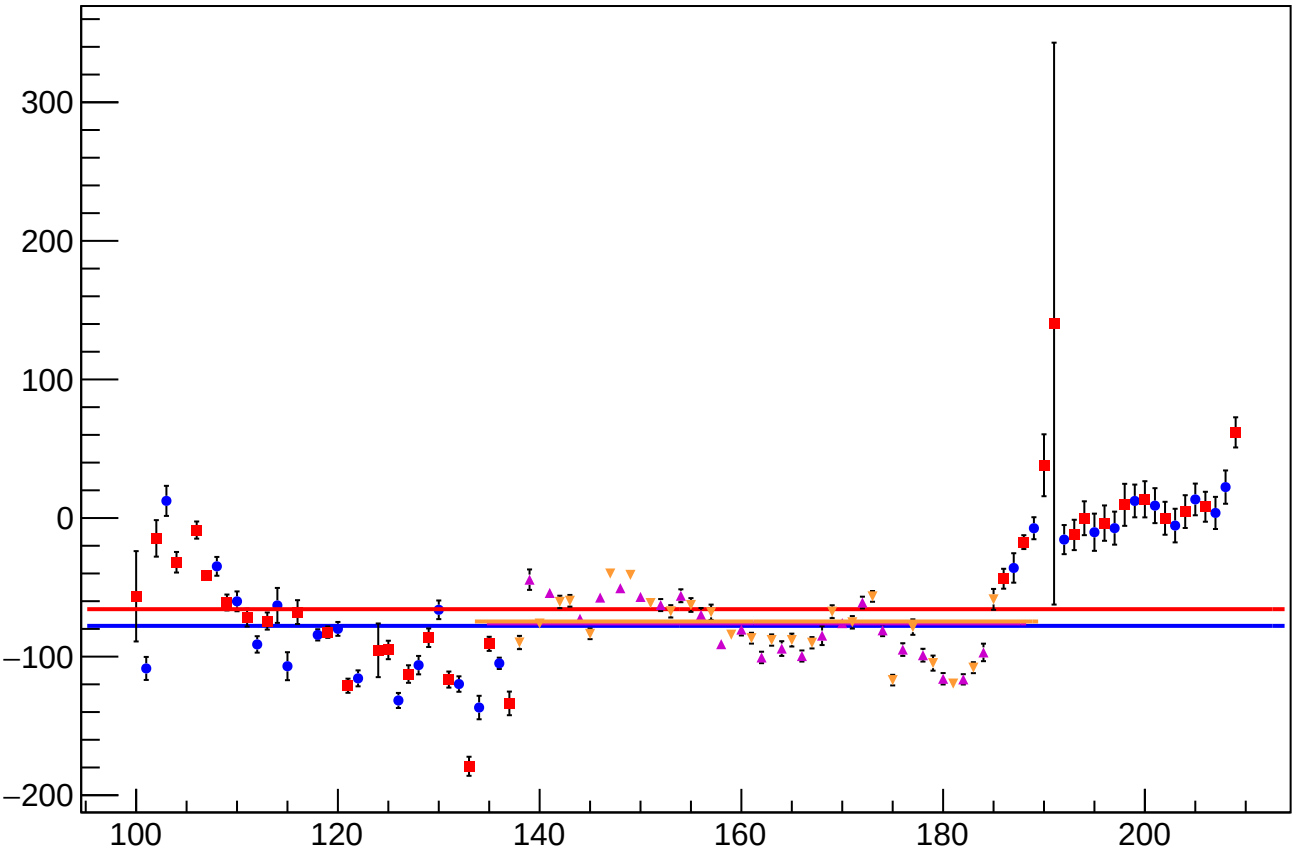
Left: -230.116+/-0.672 χ^2/NDF: 3275.9/47

Right: -288.332+/-0.739 χ^2/NDF: 12334.8/58

In: -255.678+/-0.735 χ^2/NDF:5188.9/49

Out: -257.072+/-0.675 χ^2/NDF:13816.7/56

All: -256.435+/-0.497 χ^2/NDF: 19007.6/106



Right In: -77.810+/-1.396 χ^2/NDF: 971.3/26

Left Out: -74.644+/-0.801 χ^2/NDF:831.0/24

Right Out: -65.767+/-1.273 χ^2/NDF: 1337.4/31

Left In: -76.025+/-0.824 χ^2/NDF:646.0/22

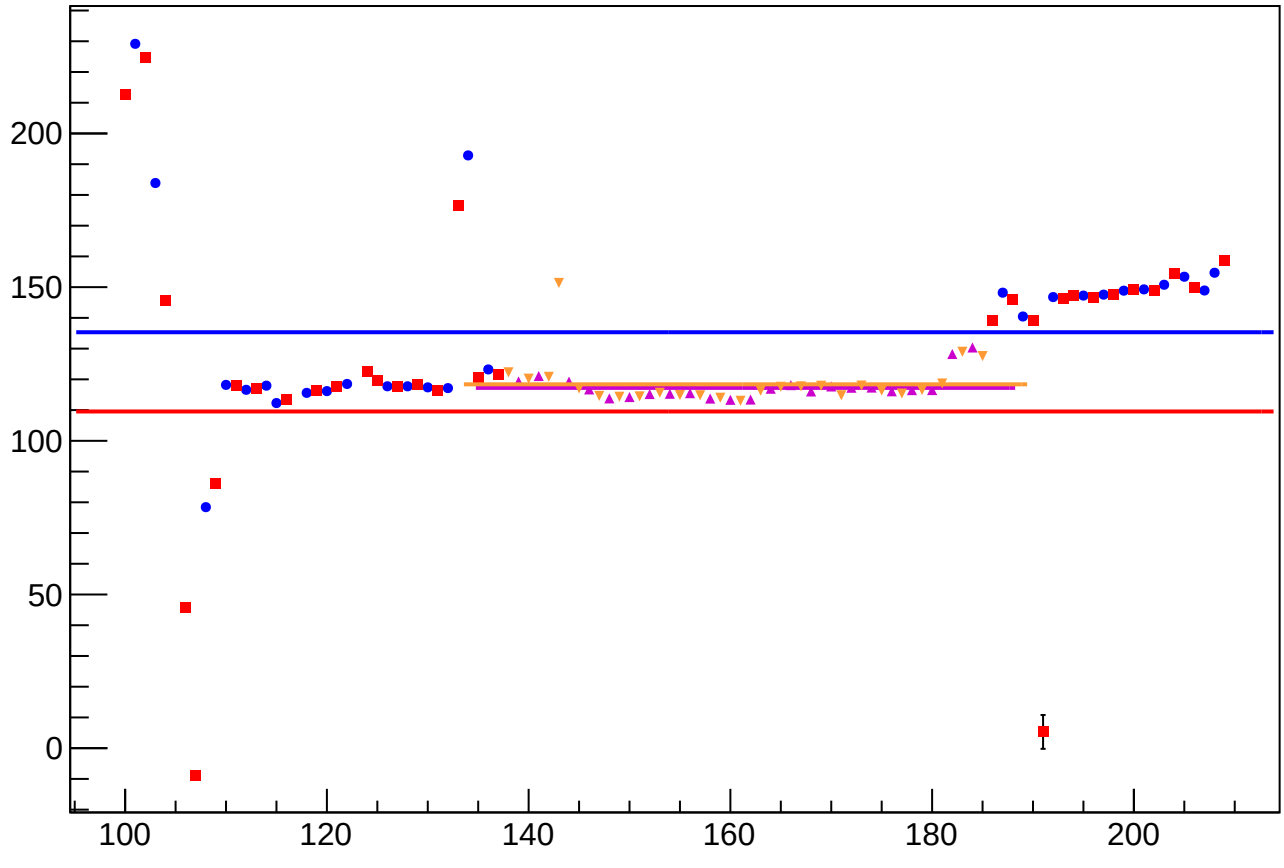
Left: -75.315+/-0.574 χ^2/NDF: 1478.5/47

Right: -71.235+/-0.940 χ^2/NDF: 2349.3/58

In: -76.487+/-0.710 χ^2/NDF:1618.5/49

Out: -72.127+/-0.678 χ^2/NDF:2203.3/56

All: -74.207+/-0.490 χ^2/NDF: 3841.5/106



Right In: 135.329+/-0.072 χ^2/NDF: 200501.0/26

Left Out: 118.382+/-0.037 χ^2/NDF:34938.1/24

Right Out: 109.548+/-0.065 χ^2/NDF: 770550.2/31

Left In: 117.225+/-0.038 χ^2/NDF:10227.9/22

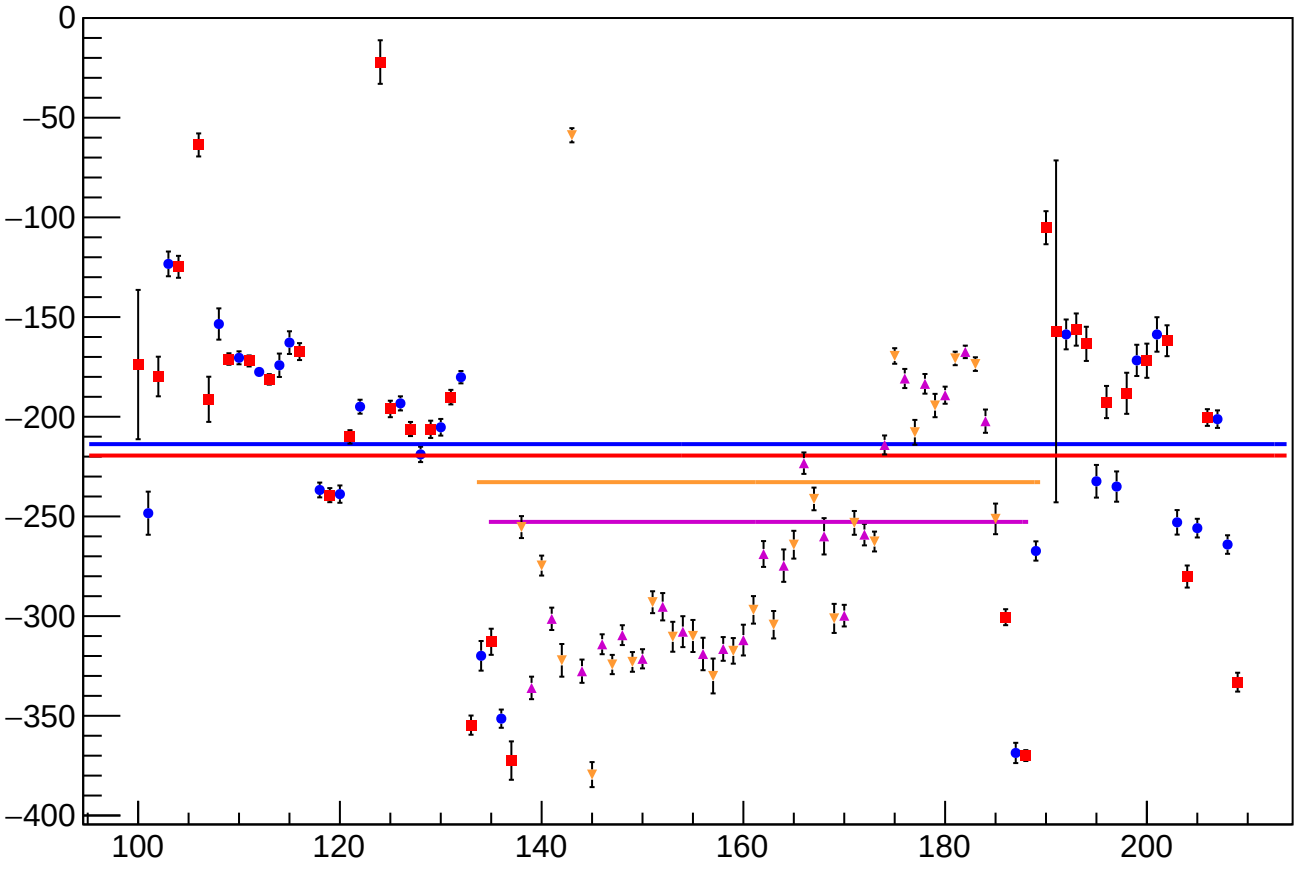
Left: 117.809+/-0.026 χ^2/NDF: 45643.3/47

Right: 121.061+/-0.048 χ^2/NDF: 1041114.7/58

In: 121.066+/-0.033 χ^2/NDF:259910.6/49

Out: 116.200+/-0.032 χ^2/NDF:819359.6/56

All: 118.557+/-0.023 χ^2/NDF: 1090231.4/106



Right In: -213.736+/-0.882 χ^2/NDF: 3607.3/26

Left Out: -232.800+/-1.072 χ^2/NDF:5764.0/24

Right Out: -219.457+/-0.821 χ^2/NDF: 8274.8/31

Left In: -252.738+/-1.131 χ^2/NDF:2913.9/22

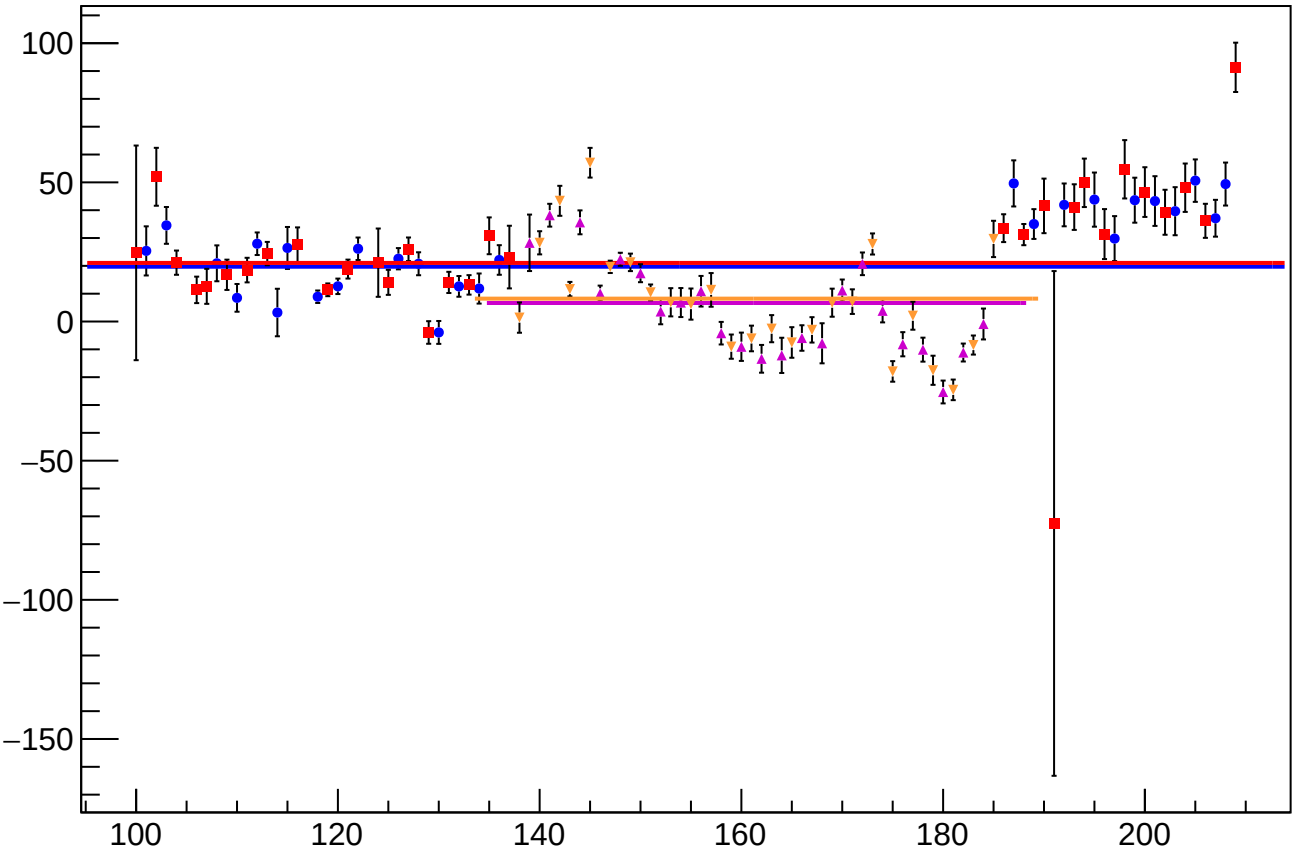
Left: -242.237+/-0.778 χ^2/NDF: 8841.6/47

Right: -216.802+/-0.601 χ^2/NDF: 11904.6/58

In: -228.495+/-0.696 χ^2/NDF:7260.7/49

Out: -224.392+/-0.652 χ^2/NDF:14136.4/56

All: -226.311+/-0.476 χ^2/NDF: 21415.6/106



Right In: 19.692+/-0.953 χ^2/NDF: 187.5/26

Left Out: 8.222+/-0.803 χ^2/NDF:457.9/24

Right Out: 21.053+/-0.921 χ^2/NDF: 227.3/31

Left In: 6.657+/-0.858 χ^2/NDF:354.8/22

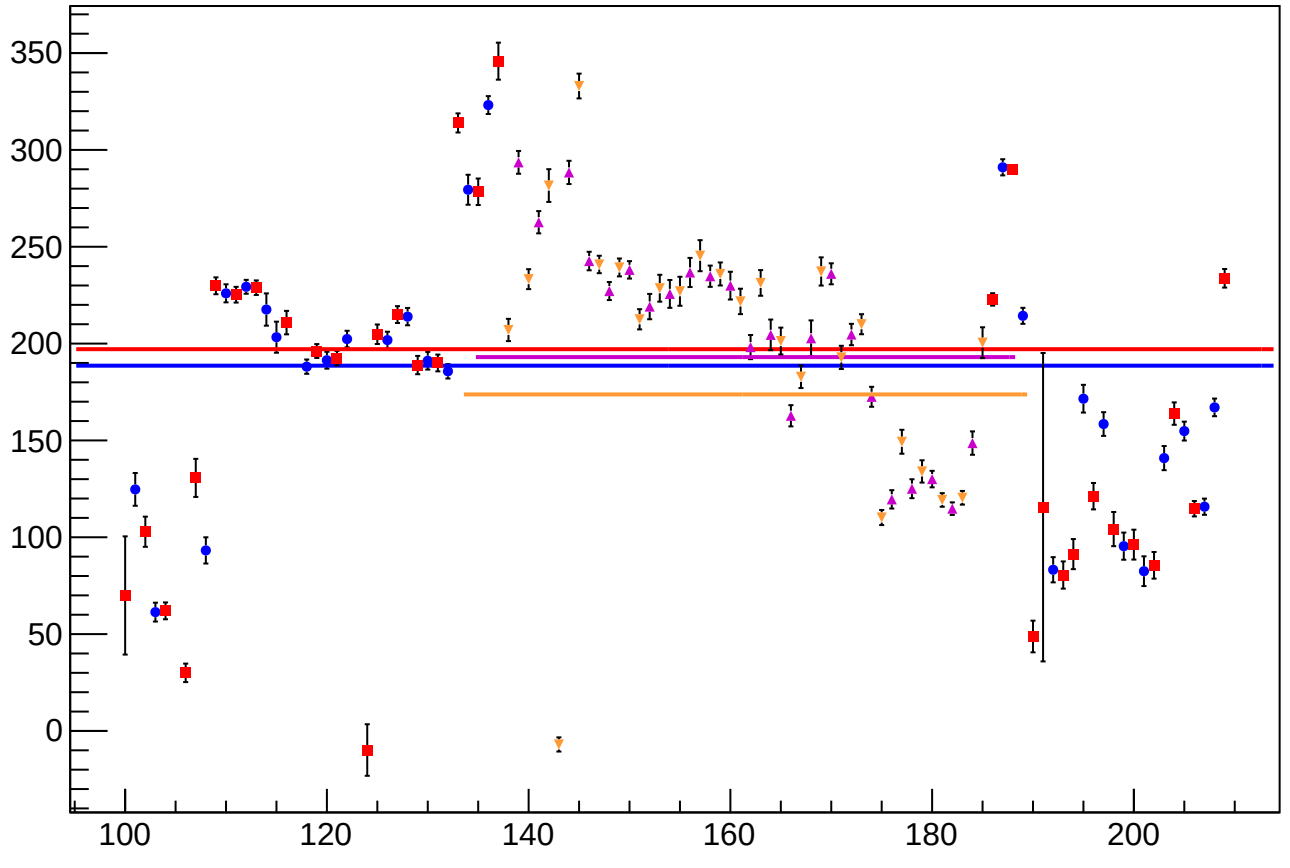
Left: 7.492+/-0.586 χ^2/NDF: 814.5/47

Right: 20.396+/-0.662 χ^2/NDF: 415.8/58

In: 12.496+/-0.638 χ^2/NDF:645.6/49

Out: 13.765+/-0.605 χ^2/NDF:795.5/56

All: 13.164+/-0.439 χ^2/NDF: 1443.2/106



Right In: 188.594+/-0.955 χ^2/NDF: 3921.4/26

Left Out: 173.752+/-1.069 χ^2/NDF:5260.7/24

Right Out: 197.113+/-0.871 χ^2/NDF: 7609.3/31

Left In: 193.026+/-1.122 χ^2/NDF:2512.0/22

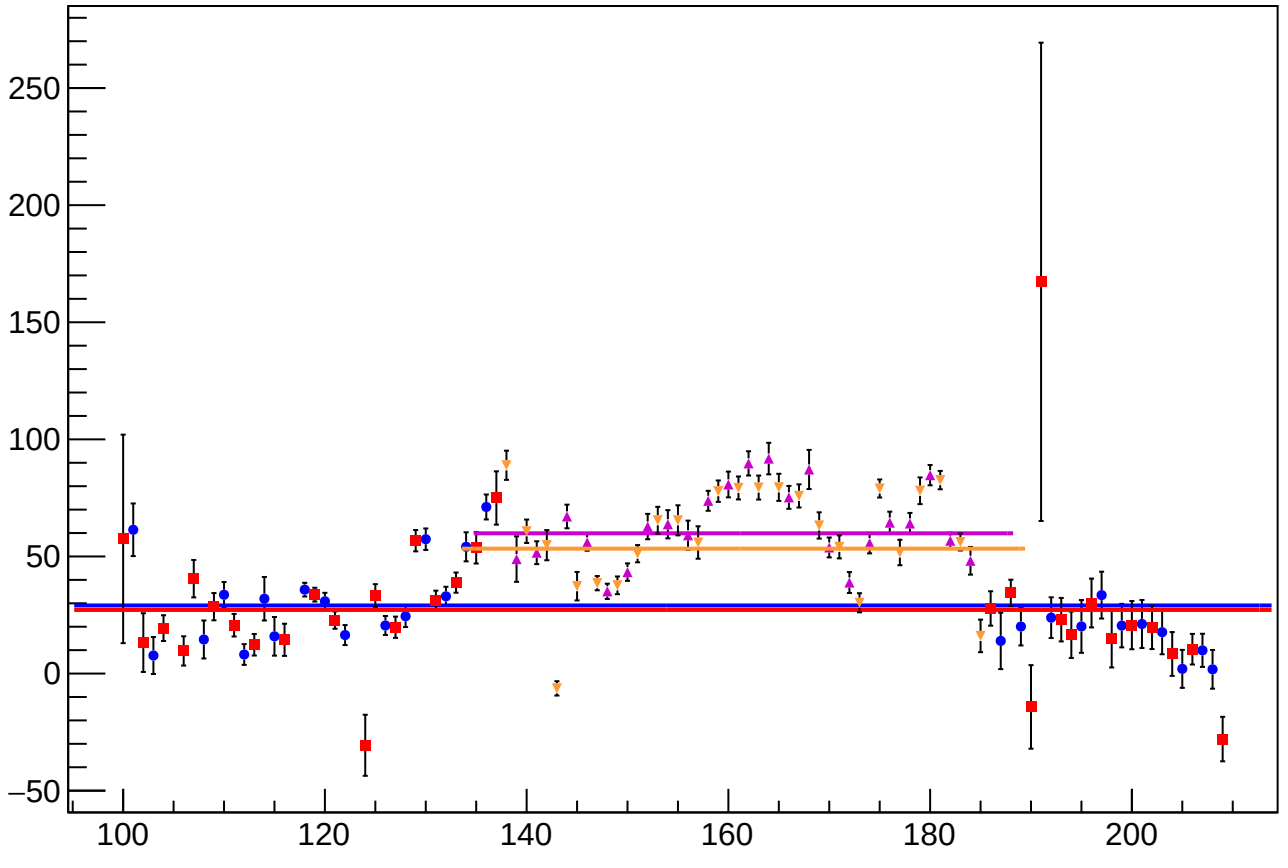
Left: 182.920+/-0.774 χ^2/NDF: 7927.5/47

Right: 193.248+/-0.643 χ^2/NDF: 11574.1/58

In: 190.456+/-0.727 χ^2/NDF:6442.4/49

Out: 187.794+/-0.675 χ^2/NDF:13157.3/56

All: 189.026+/-0.495 χ^2/NDF: 19606.9/106



Right In: 29.070+/-1.110 χ^2/NDF: 218.2/26

Left Out: 53.331+/-0.922 χ^2/NDF:778.9/24

Right Out: 27.162+/-1.080 χ^2/NDF: 200.7/31

Left In: 59.887+/-0.977 χ^2/NDF:251.2/22

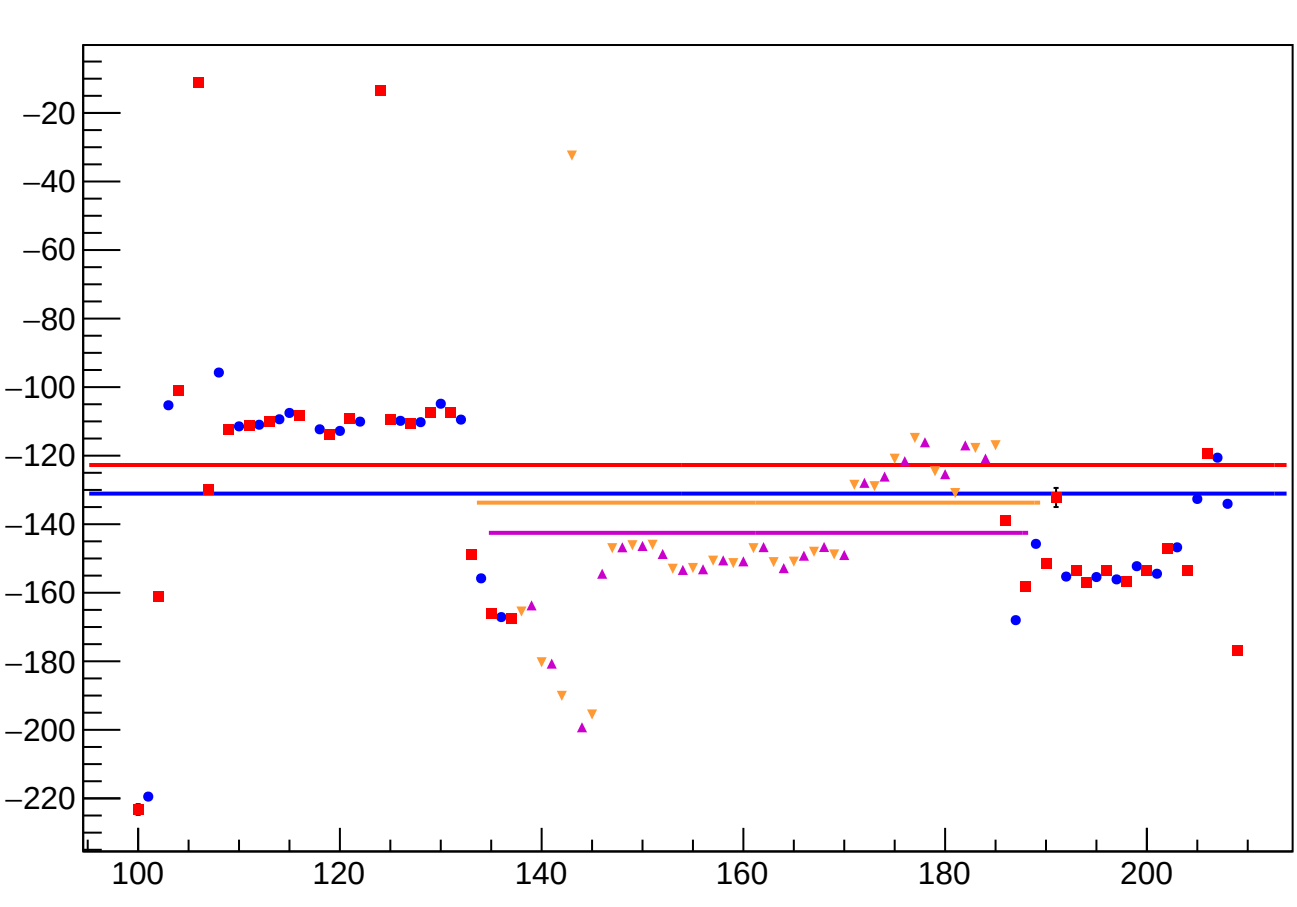
Left: 56.419+/-0.670 χ^2/NDF: 1053.9/47

Right: 28.090+/-0.774 χ^2/NDF: 420.4/58

In: 46.442+/-0.733 χ^2/NDF:903.6/49

Out: 42.310+/-0.701 χ^2/NDF:1319.1/56

All: 44.283+/-0.507 χ^2/NDF: 2239.3/106



Right In: -131.070+/-0.061 χ^2/NDF: 174632.8/26

Left Out: -133.709+/-0.043 χ^2/NDF:675925.6/24

Right Out: -122.722+/-0.058 χ^2/NDF: 510634.1/31

Left In: -142.518+/-0.044 χ^2/NDF:178481.1/22

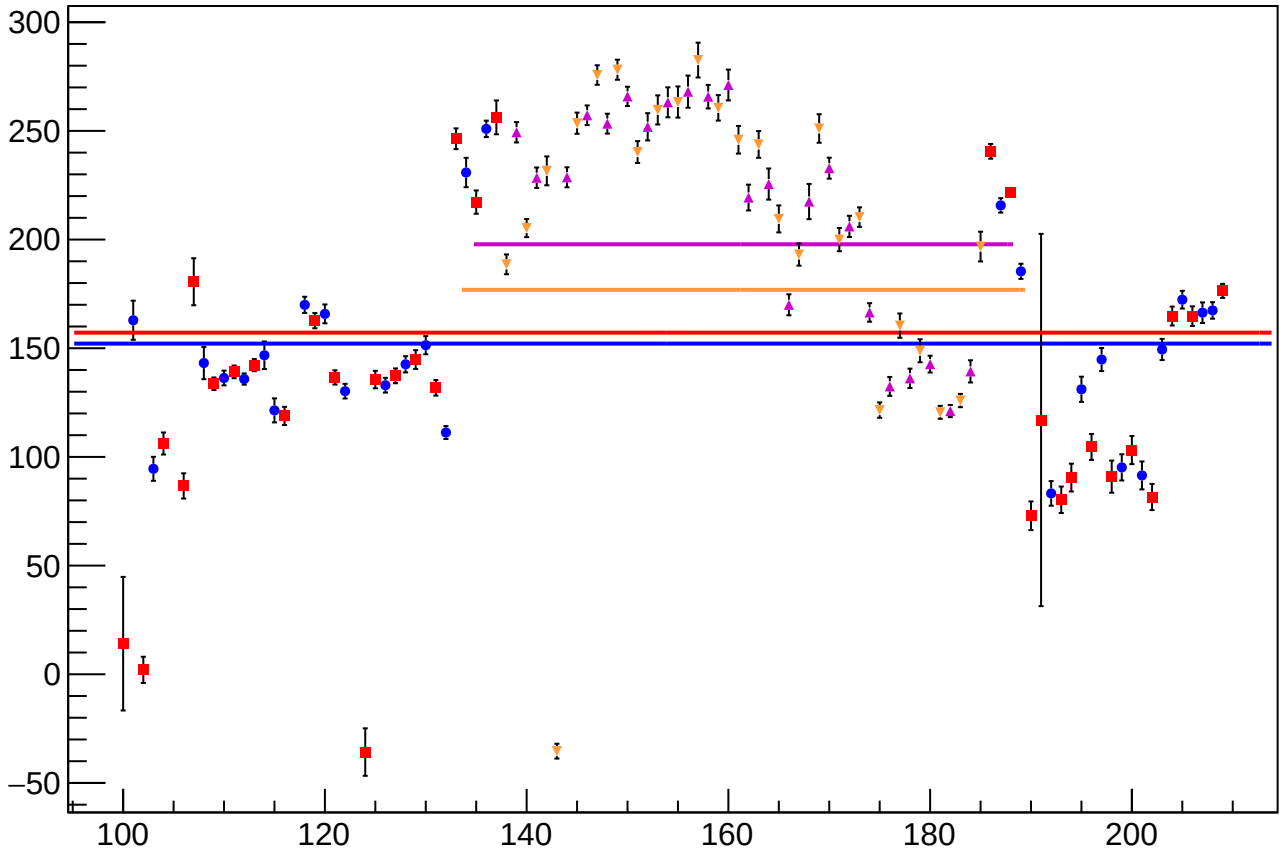
Left: -137.954+/-0.031 χ^2/NDF: 874788.8/47

Right: -126.693+/-0.042 χ^2/NDF: 694995.1/58

In: -138.576+/-0.036 χ^2/NDF:375992.1/49

Out: -129.864+/-0.035 χ^2/NDF:1209587.9/56

All: -134.043+/-0.025 χ^2/NDF: 1616109.9/10



Right In: 152.126+/-0.808 χ^2/NDF: 2176.5/26

Left Out: 176.884+/-0.958 χ^2/NDF:7424.8/24

Right Out: 157.175+/-0.734 χ^2/NDF: 5040.1/31

Left In: 197.829+/-1.006 χ^2/NDF:2968.0/22

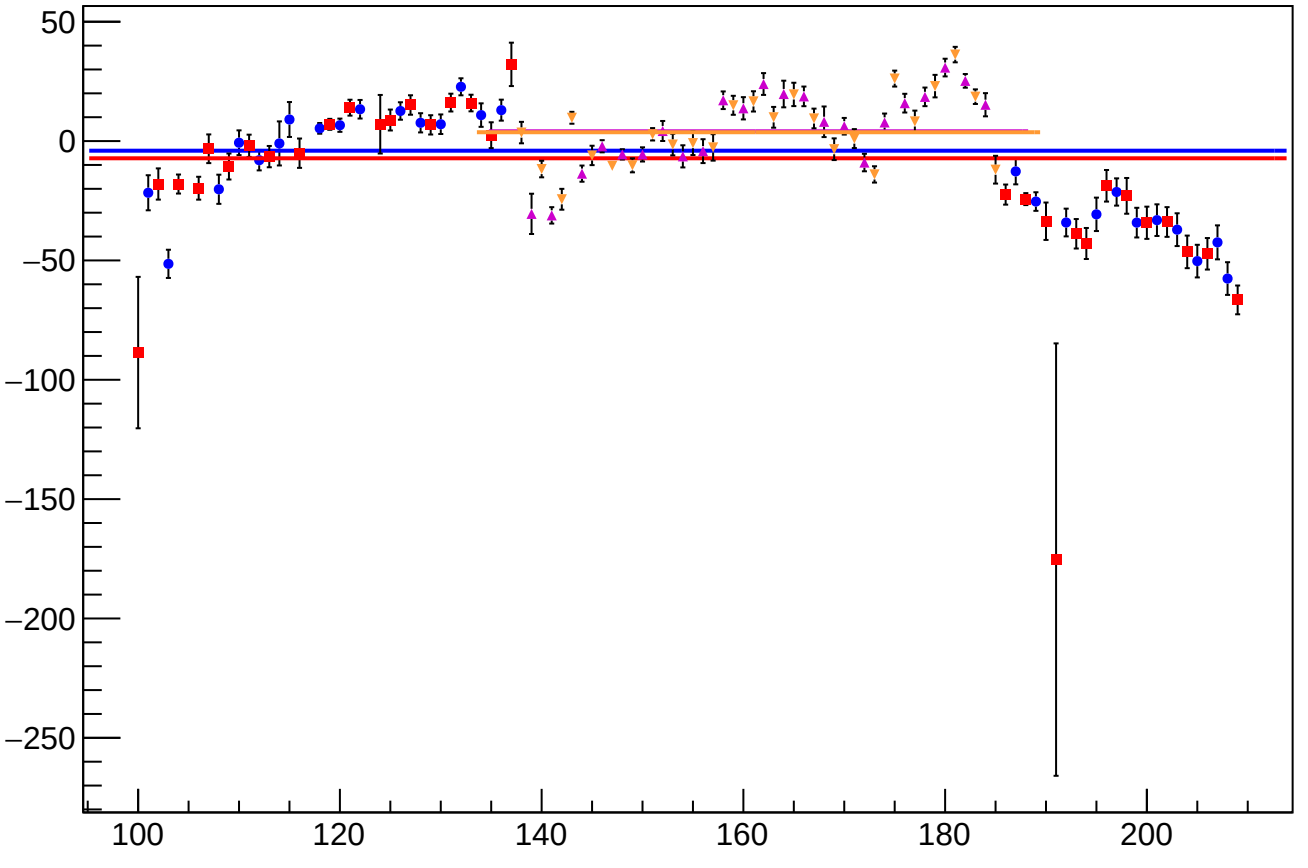
Left: 186.838+/-0.694 χ^2/NDF: 10620.2/47

Right: 154.894+/-0.543 χ^2/NDF: 7238.0/58

In: 170.054+/-0.630 χ^2/NDF:6398.4/49

Out: 164.466+/-0.582 χ^2/NDF:12731.8/56

All: 167.040+/-0.428 χ^2/NDF: 19172.6/106



Right In: -4.029+/-0.886 χ^2/NDF: 535.8/26

Left Out: 3.708+/-0.723 χ^2/NDF:400.9/24

Right Out: -7.212+/-0.839 χ^2/NDF: 606.2/31

Left In: 4.102+/-0.769 χ^2/NDF:398.9/22

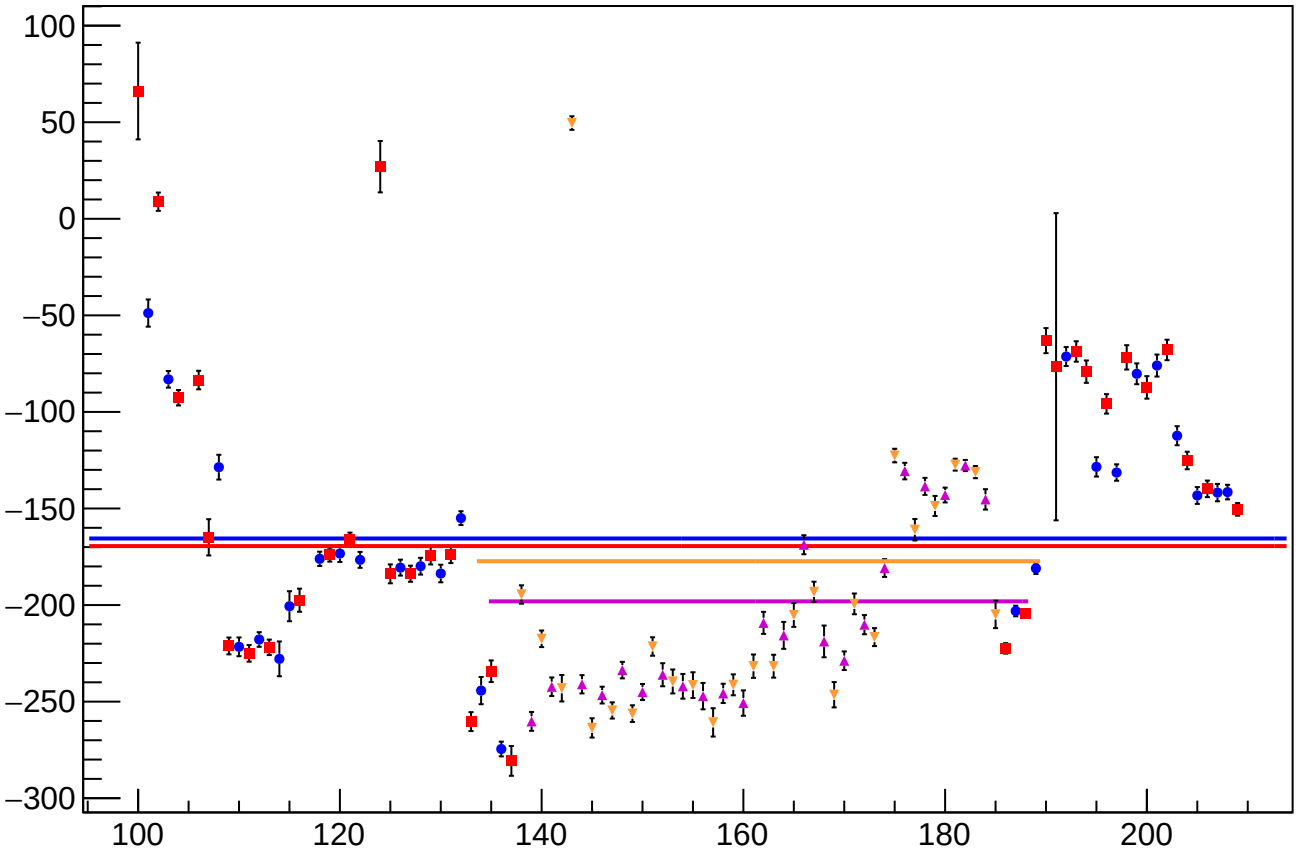
Left: 3.893+/-0.527 χ^2/NDF: 800.0/47

Right: -5.707+/-0.610 χ^2/NDF: 1148.8/58

In: 0.612+/-0.581 χ^2/NDF:982.7/49

Out: -0.946+/-0.548 χ^2/NDF:1104.3/56

All: -0.212+/-0.399 χ^2/NDF: 2090.8/106



Right In: -165.530+/-0.840 χ^2/NDF: 3482.8/26

Left Out: -177.283+/-0.956 χ^2/NDF:7040.0/24

Right Out: -169.469+/-0.735 χ^2/NDF: 6683.8/31

Left In: -198.088+/-1.000 χ^2/NDF:2386.2/22

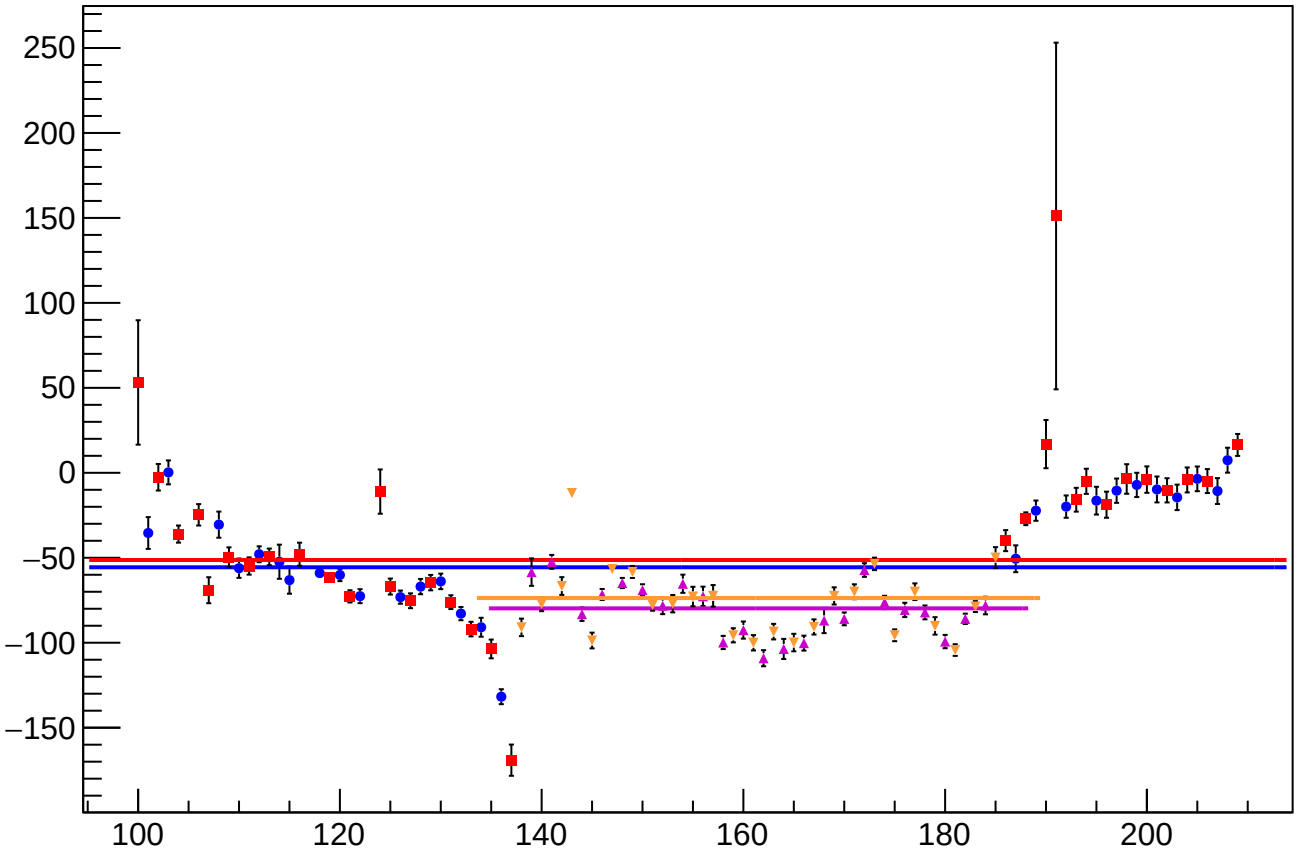
Left: -187.218+/-0.691 χ^2/NDF: 9652.4/47

Right: -167.760+/-0.553 χ^2/NDF: 10179.1/58

In: -178.998+/-0.643 χ^2/NDF:6490.6/49

Out: -172.374+/-0.583 χ^2/NDF:13765.7/56

All: -175.361+/-0.432 χ^2/NDF: 20314.5/106



Right In: -55.591+/-1.038 χ^2/NDF: 916.0/26

Left Out: -73.706+/-0.829 χ^2/NDF:839.6/24

Right Out: -51.302+/-0.998 χ^2/NDF: 1018.2/31

Left In: -79.777+/-0.874 χ^2/NDF:277.1/22

Left: -76.581+/-0.601 χ^2/NDF: 1142.1/47

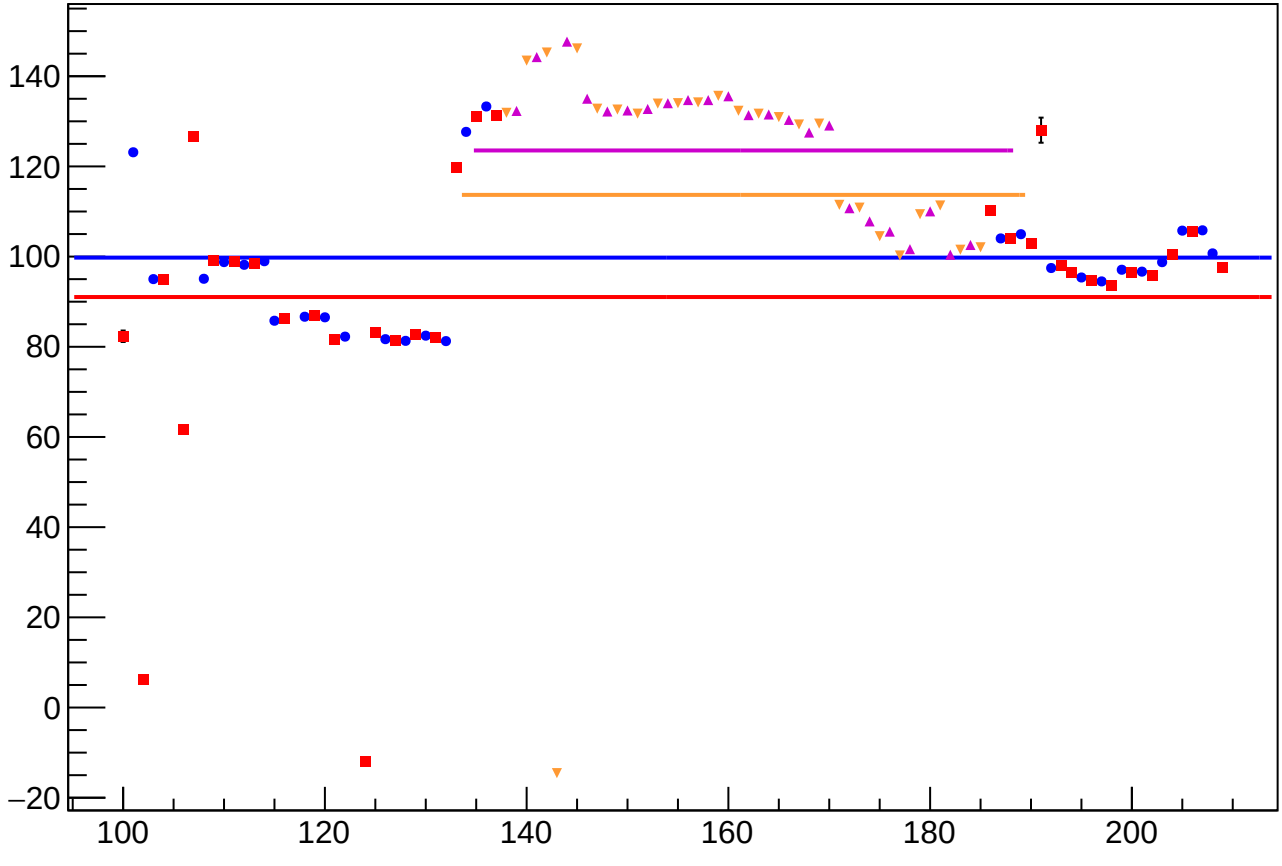
Right: -53.362+/-0.719 χ^2/NDF: 1943.1/58

In: -69.743+/-0.669 χ^2/NDF:1510.8/49

Out: -64.559+/-0.638 χ^2/NDF:2156.1/56

All: -67.028+/-0.461 χ^2/NDF: 3698.4/106

reg_asym_atr1l2_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 99.775+/-0.054 χ^2/NDF: 70049.1/26

Left Out: 113.687+/-0.038 χ^2/NDF:963156.9/24

Right Out: 91.034+/-0.050 χ^2/NDF: 288180.4/31

Left In: 123.538+/-0.040 χ^2/NDF:134613.3/22

Left: 118.454+/-0.028 χ^2/NDF: 1129684.8/47

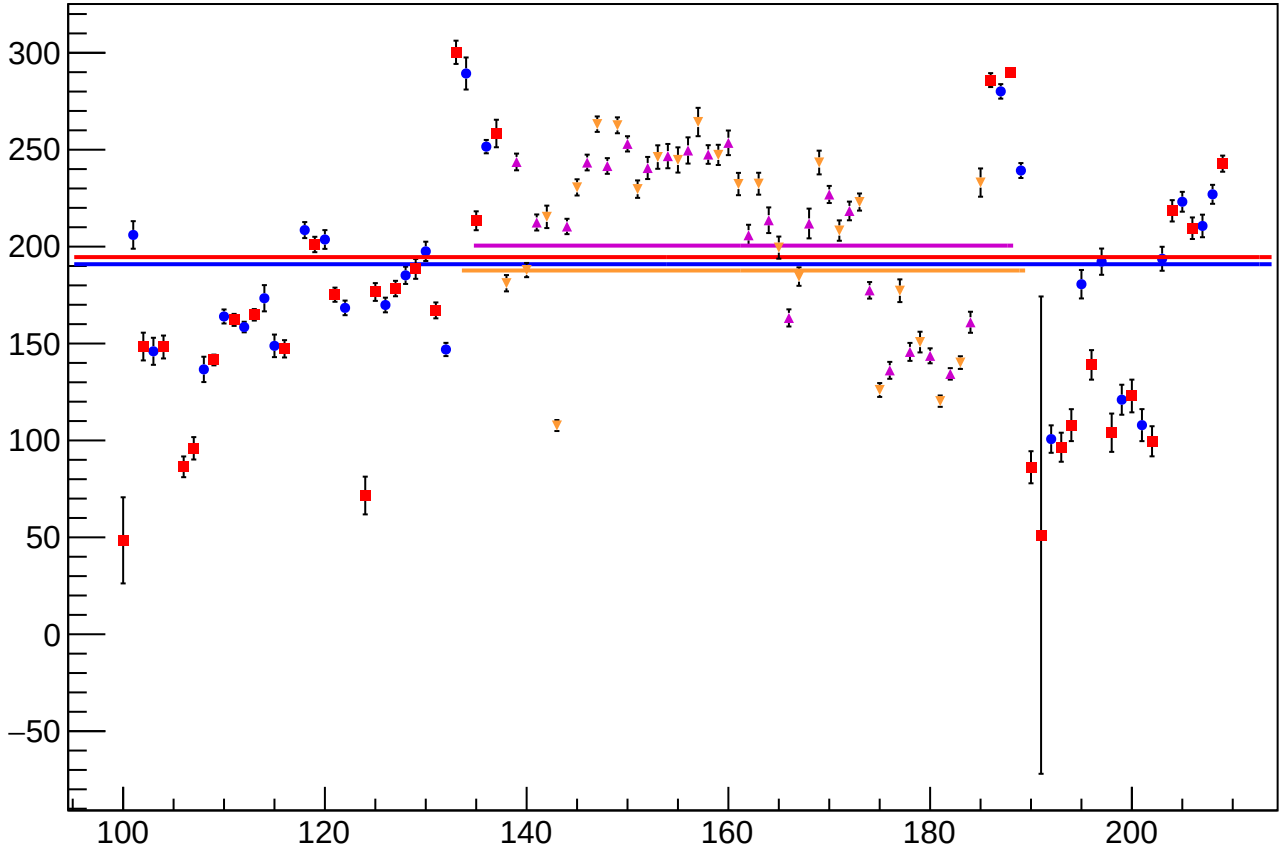
Right: 95.107+/-0.037 χ^2/NDF: 372384.6/58

In: 115.161+/-0.032 χ^2/NDF:331501.5/49

Out: 105.327+/-0.030 χ^2/NDF:1380050.0/56

All: 110.021+/-0.022 χ^2/NDF: 1761284.8/106

reg_asym_atl_dd_atr_dd_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 190.920+/-0.910 χ^2/NDF: 2258.9/26

Left Out: 187.681+/-0.898 χ^2/NDF:3528.3/24

Right Out: 194.590+/-0.811 χ^2/NDF: 6144.4/31

Left In: 200.521+/-0.955 χ^2/NDF:2111.4/22

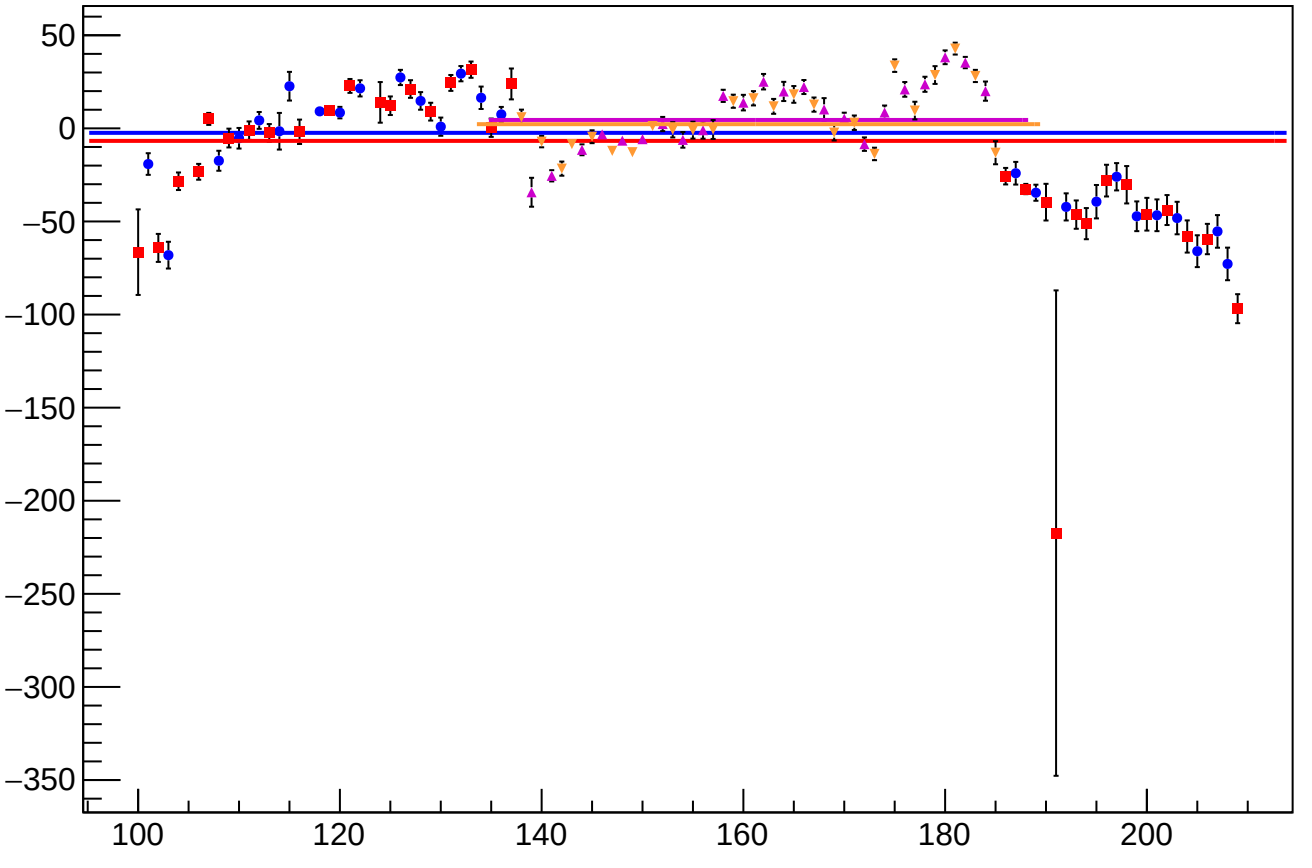
Left: 193.703+/-0.654 χ^2/NDF: 5735.7/47

Right: 192.965+/-0.605 χ^2/NDF: 8412.3/58

In: 195.488+/-0.659 χ^2/NDF:4423.3/49

Out: 191.486+/-0.602 χ^2/NDF:9705.3/56

All: 193.306+/-0.444 χ^2/NDF: 14148.7/106



Right In: -2.408+/-0.990 χ^2/NDF: 687.2/26

Left Out: 2.245+/-0.665 χ^2/NDF:600.9/24

Right Out: -6.729+/-0.910 χ^2/NDF: 869.5/31

Left In: 4.513+/-0.714 χ^2/NDF:547.1/22

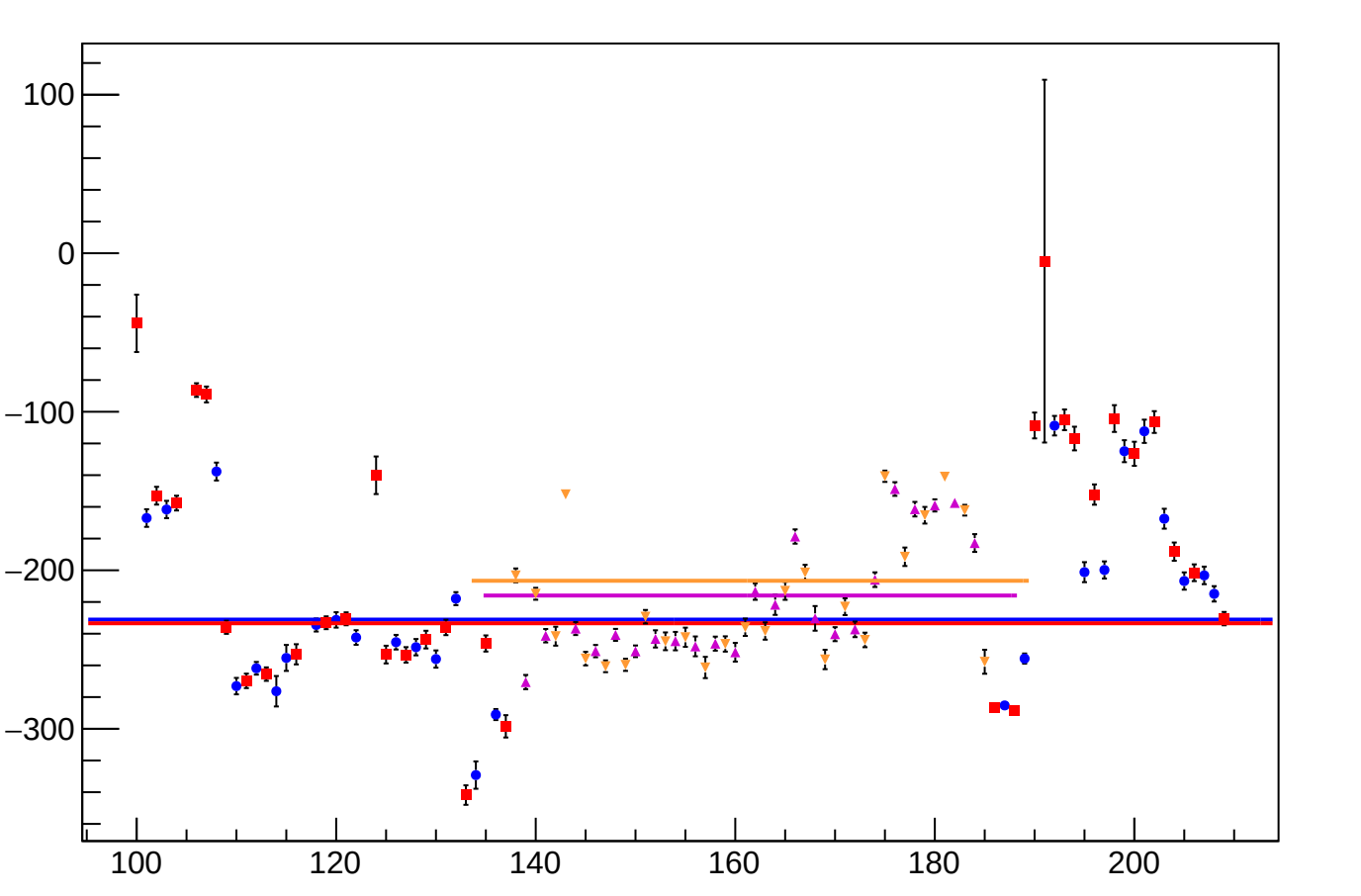
Left: 3.298+/-0.486 χ^2/NDF: 1153.4/47

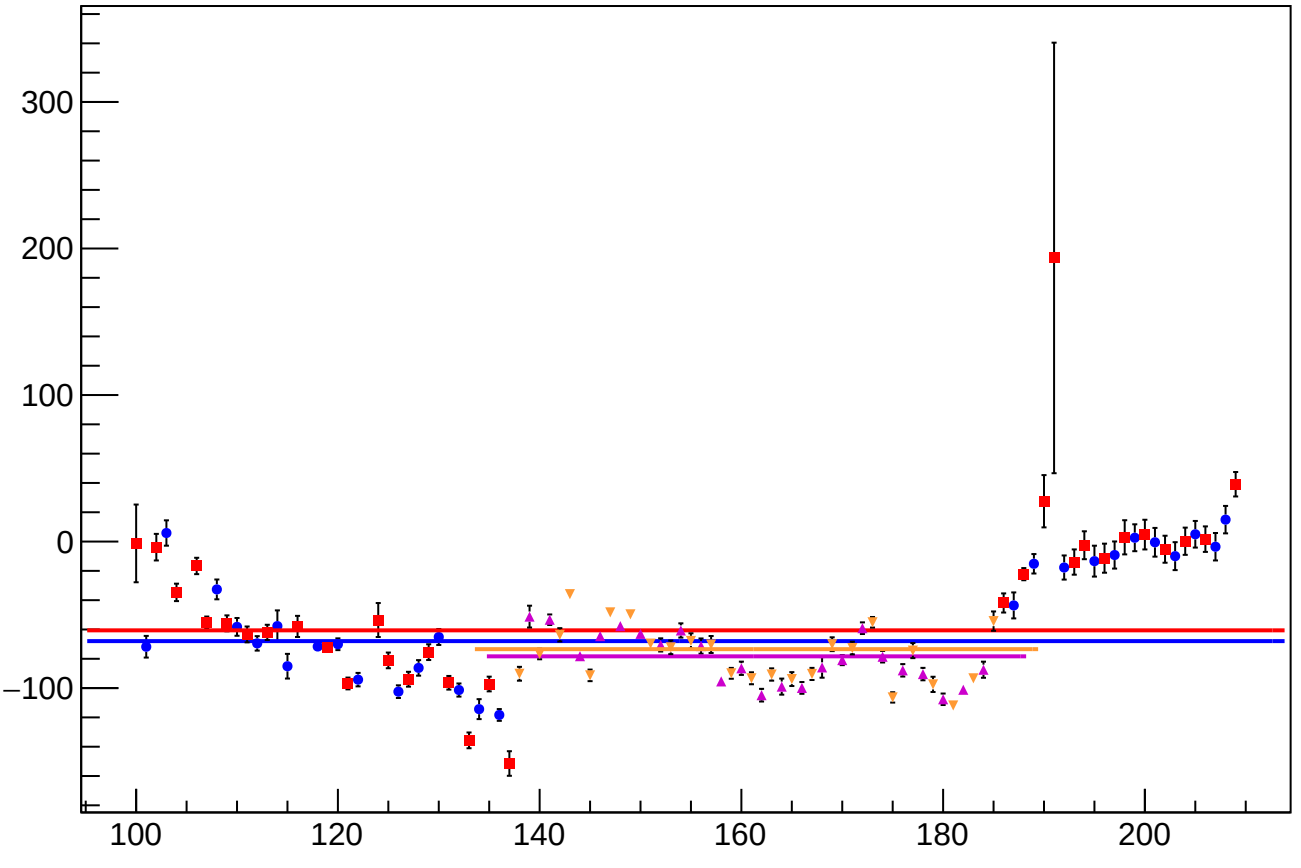
Right: -4.750+/-0.670 χ^2/NDF: 1567.1/58

In: 2.145+/-0.579 χ^2/NDF:1266.5/49

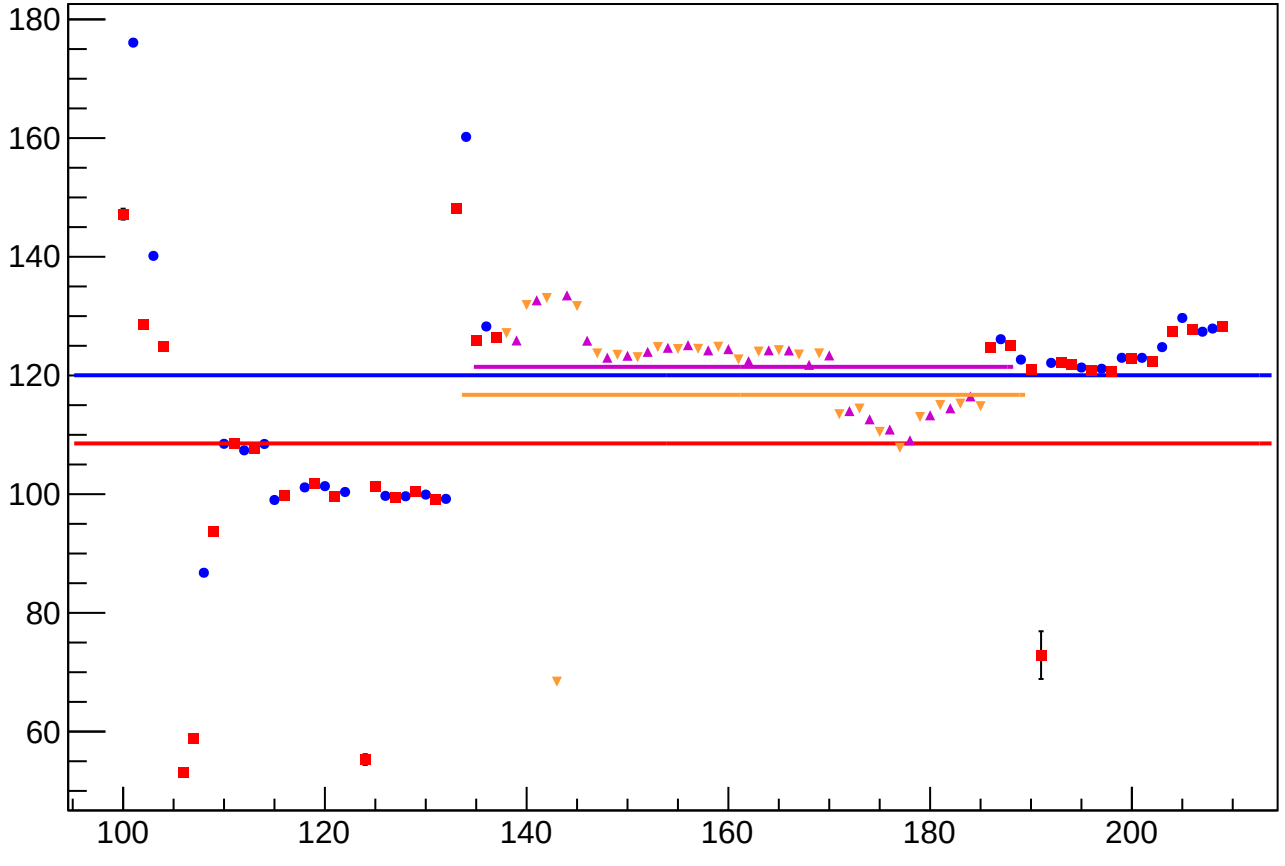
Out: -0.876+/-0.537 χ^2/NDF:1533.8/56

All: 0.519+/-0.394 χ^2/NDF: 2814.9/106


reg_asym_atl_dd_atr_dd_avg_diff_bpm4eX_slope vs Slug, Sign Corrected
100
0
−100
−200
−300
100
120
140
160
180
200
Right In: -231.112+/-0.950 χ²/NDF: 2683.1/26
Left Out: -206.617+/-0.895 χ²/NDF:2467.8/24
Right Out: -233.427+/-0.817 χ²/NDF: 6659.8/31
Left In: -215.938+/-0.946 χ²/NDF:1711.9/22
Left: -211.017+/-0.650 χ²/NDF: 4230.9/47
Right: -232.443+/-0.620 χ²/NDF: 9346.3/58
In: -223.491+/-0.670 χ²/NDF:4523.0/49
Out: -221.233+/-0.603 χ²/NDF:9617.1/56
All: -222.243+/-0.449 χ²/NDF: 14146.4/106


reg_asym_atl_dd_atr_dd_avg_diff_bpm4eY_slope vs Slug, Sign Corrected
300
200
100
0
−100
100
120
140
160
180
200
Right In: -67.939+/-1.160 χ²/NDF: 985.5/26
Left Out: -73.426+/-0.767 χ²/NDF:836.6/24
Right Out: -60.588+/-1.086 χ²/NDF: 1267.2/31
Left In: -78.329+/-0.817 χ²/NDF:443.2/22
Left: -75.722+/-0.559 χ²/NDF: 1298.9/47
Right: -64.021+/-0.793 χ²/NDF: 2274.1/58
In: -74.883+/-0.668 χ²/NDF:1482.3/49
Out: -69.153+/-0.626 χ²/NDF:2197.0/56
All: -71.833+/-0.457 χ²/NDF: 3718.5/106

reg_asym_atl_dd_atr_dd_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 120.037+/-0.061 χ^2/NDF: 98387.5/26

Left Out: 116.740+/-0.036 χ^2/NDF:203650.9/24

Right Out: 108.550+/-0.056 χ^2/NDF: 210385.8/31

Left In: 121.455+/-0.037 χ^2/NDF:28796.4/22

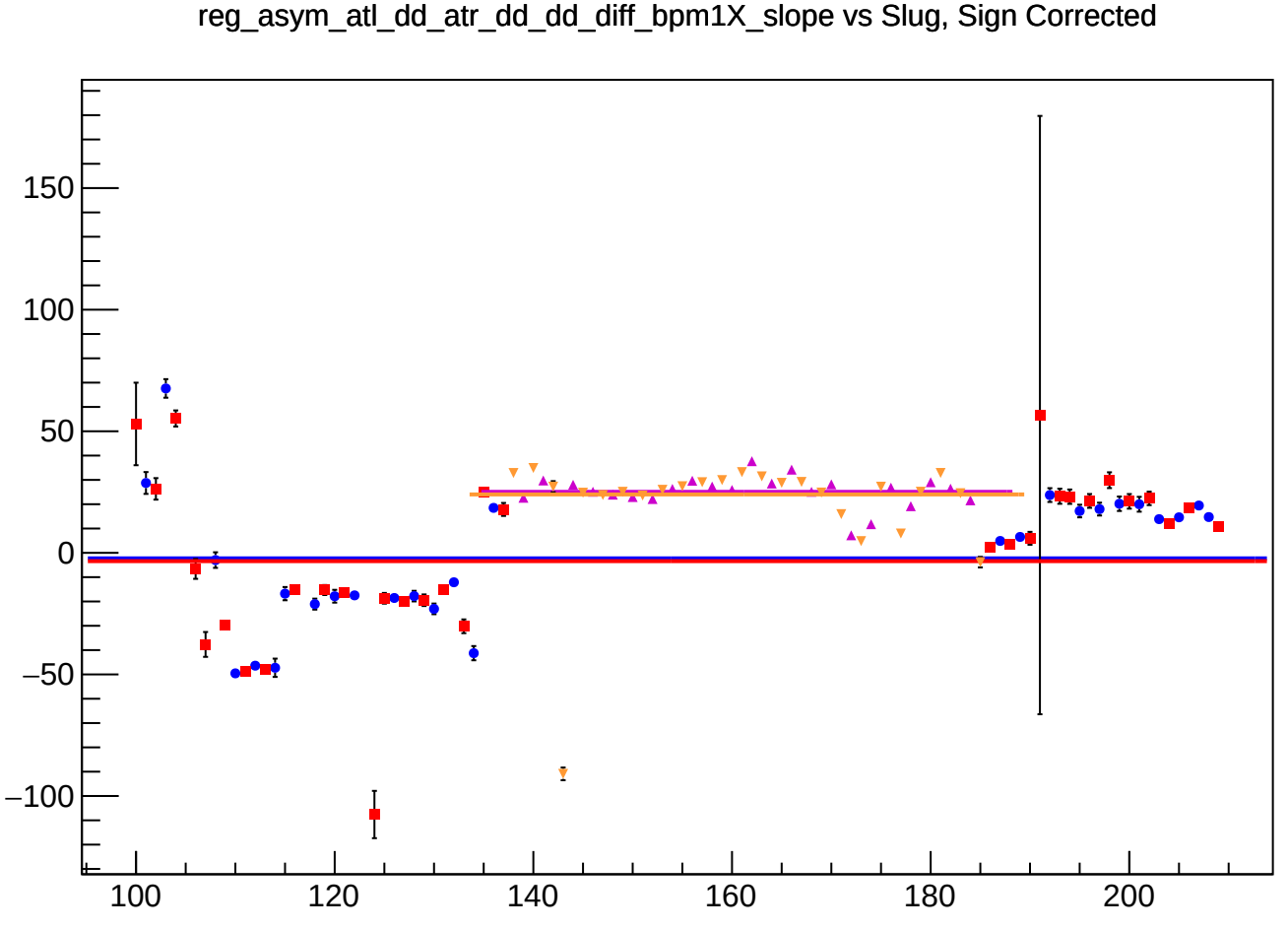
Left: 119.004+/-0.026 χ^2/NDF: 240766.9/47

Right: 113.746+/-0.041 χ^2/NDF: 328063.4/58

In: 121.071+/-0.032 χ^2/NDF:127575.8/49

Out: 114.340+/-0.030 χ^2/NDF:429363.3/56

All: 117.519+/-0.022 χ^2/NDF: 580540.5/106



Right In: -2.265+/-0.404 χ^2/NDF: 3559.9/26

Left Out: 24.025+/-0.282 χ^2/NDF:2802.2/24

Right Out: -3.414+/-0.373 χ^2/NDF: 3829.4/31

Left In: 25.089+/-0.287 χ^2/NDF:495.3/22

Left: 24.547+/-0.201 χ^2/NDF: 3304.5/47

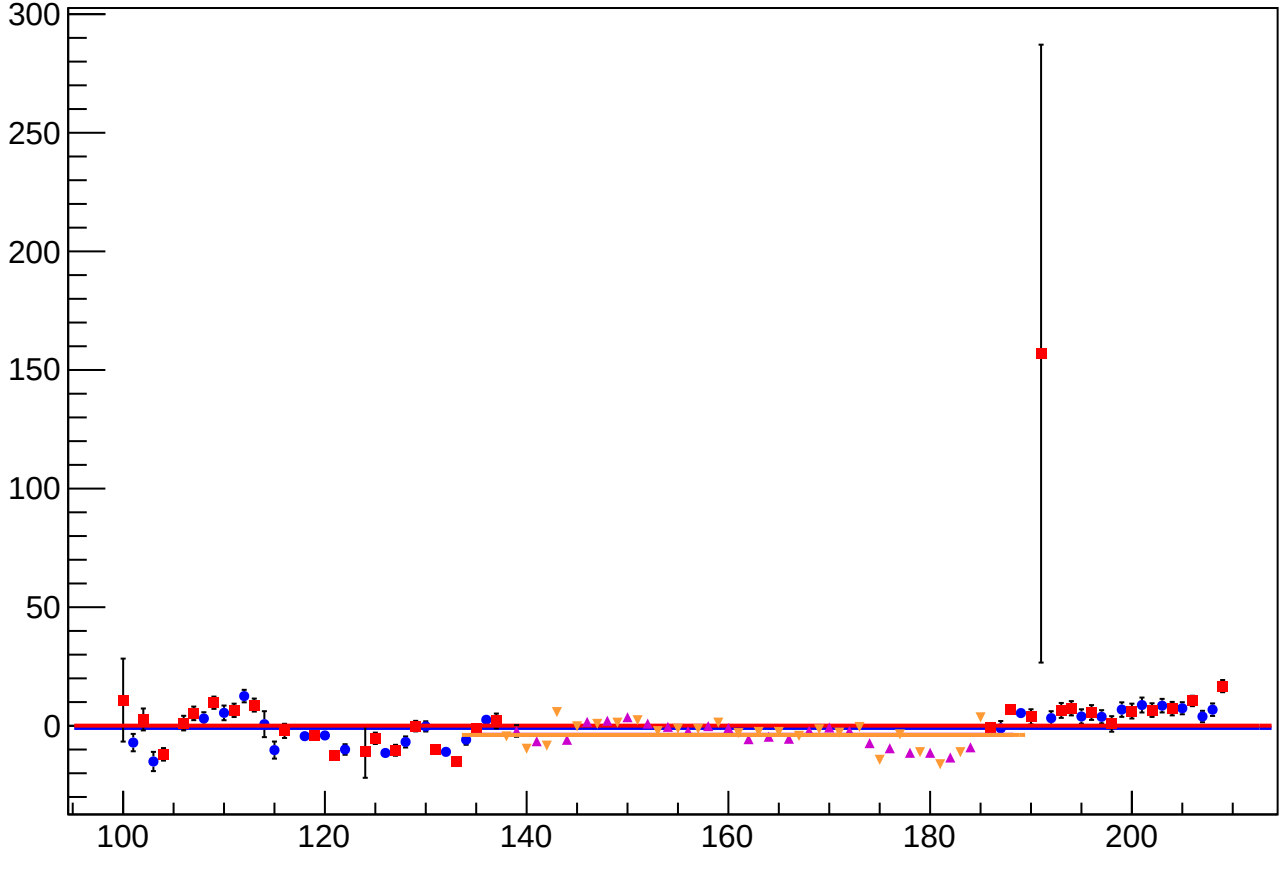
Right: -2.886+/-0.274 χ^2/NDF: 7393.7/58

In: 15.904+/-0.234 χ^2/NDF:7100.9/49

Out: 14.031+/-0.225 χ^2/NDF:10079.5/56

All: 14.930+/-0.162 χ^2/NDF: 17213.6/106

reg_asym_atl_dd_atr_dd_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -0.894+/-0.458 χ^2/NDF: 215.2/26

Left Out: -3.845+/-0.218 χ^2/NDF:649.4/24

Right Out: 0.069+/-0.438 χ^2/NDF: 325.8/31

Left In: -3.780+/-0.224 χ^2/NDF:509.8/22

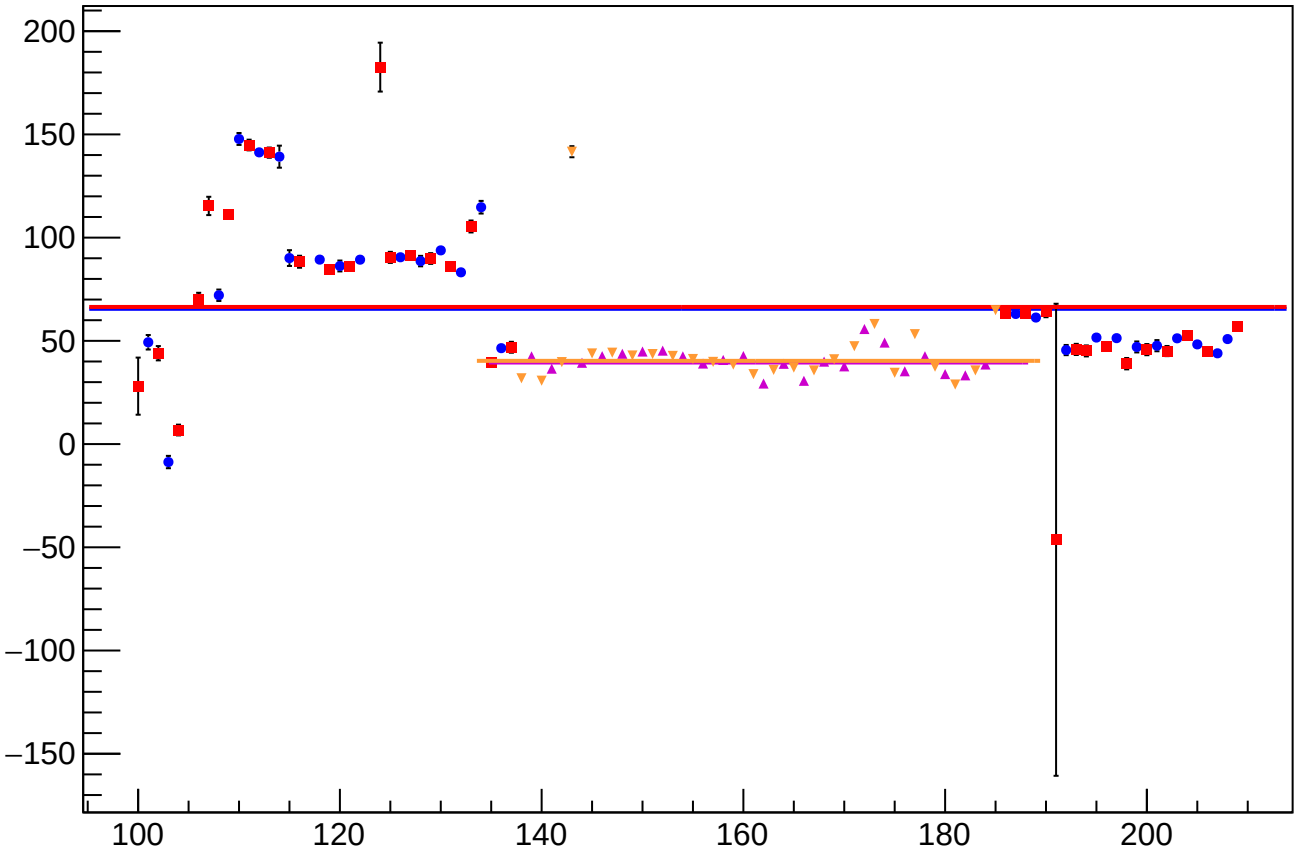
Left: -3.813+/-0.156 χ^2/NDF: 1159.2/47

Right: -0.391+/-0.316 χ^2/NDF: 543.3/58

In: -3.225+/-0.201 χ^2/NDF:757.0/49

Out: -3.068+/-0.195 χ^2/NDF:1039.3/56

All: -3.144+/-0.140 χ^2/NDF: 1796.6/106



Right In: 65.520+/-0.413 χ^2/NDF: 4603.8/26

Left Out: 40.315+/-0.280 χ^2/NDF:2182.8/24

Right Out: 66.421+/-0.370 χ^2/NDF: 4799.8/31

Left In: 39.504+/-0.285 χ^2/NDF:432.1/22

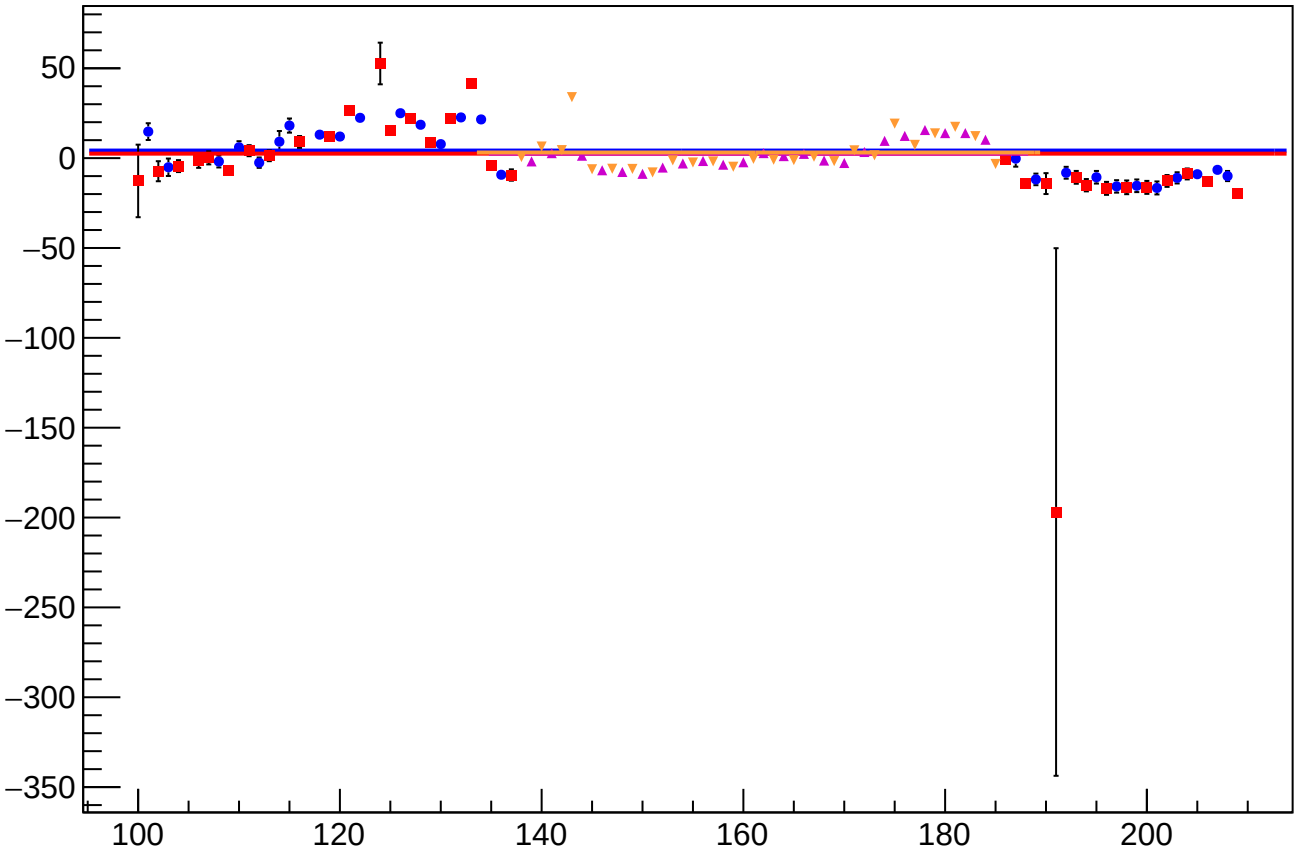
Left: 39.916+/-0.200 χ^2/NDF: 2619.0/47

Right: 66.021+/-0.275 χ^2/NDF: 9406.2/58

In: 47.879+/-0.234 χ^2/NDF:7723.7/49

Out: 49.841+/-0.223 χ^2/NDF:10151.2/56

All: 48.908+/-0.162 χ^2/NDF: 17911.6/106



Right In: 4.209+/-0.525 χ^2/NDF: 701.1/26

Left Out: 3.142+/-0.245 χ^2/NDF:1267.0/24

Right Out: 2.493+/-0.515 χ^2/NDF: 959.9/31

Left In: 2.519+/-0.251 χ^2/NDF:968.2/22

Left: 2.837+/-0.175 χ^2/NDF: 2238.3/47

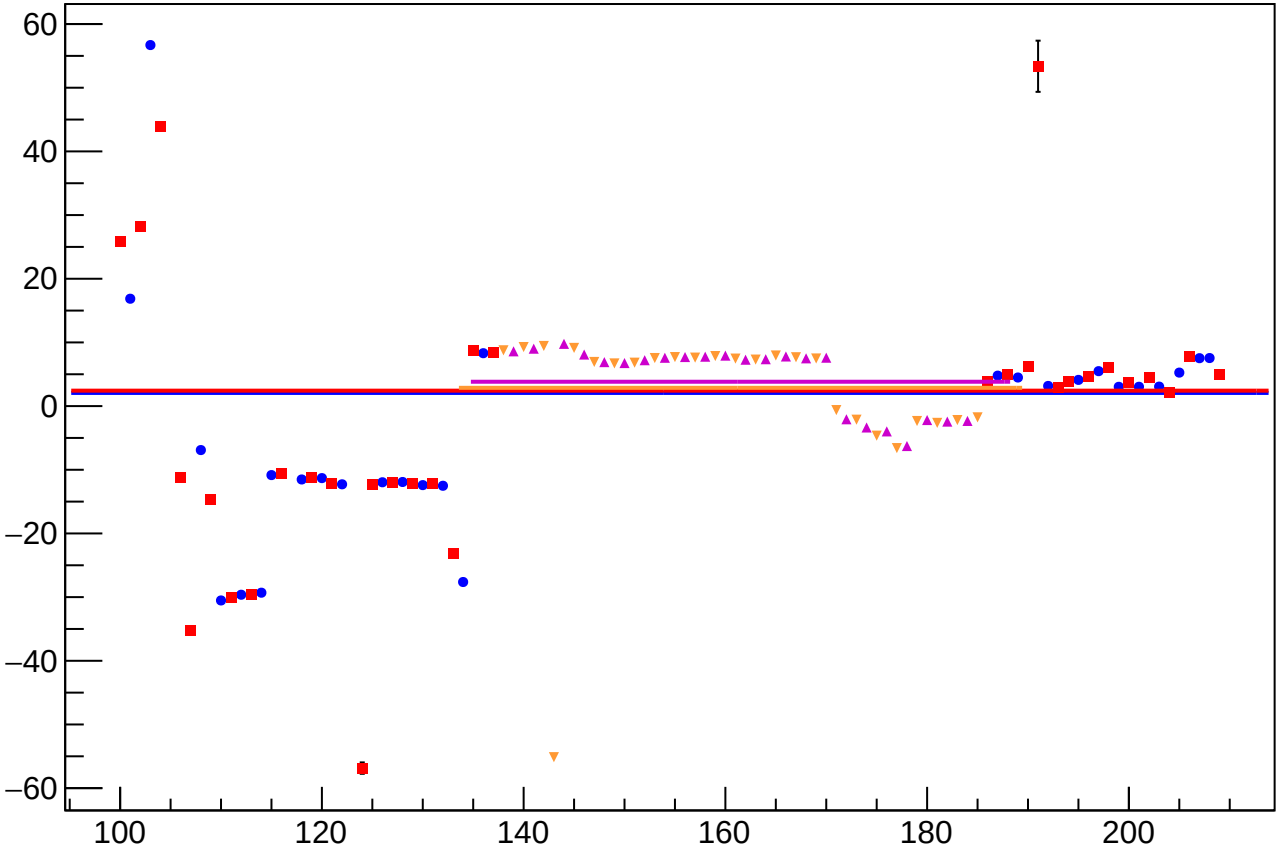
Right: 3.335+/-0.368 χ^2/NDF: 1666.4/58

In: 2.833+/-0.227 χ^2/NDF:1677.7/49

Out: 3.022+/-0.222 χ^2/NDF:2228.2/56

All: 2.929+/-0.158 χ^2/NDF: 3906.2/106

reg_asym_atl_dd_atr_dd_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 2.068+/-0.025 χ^2/NDF: 382350.7/26

Left Out: 2.870+/-0.011 χ^2/NDF:512331.0/24

Right Out: 2.425+/-0.025 χ^2/NDF: 330590.4/31

Left In: 3.825+/-0.011 χ^2/NDF:233224.7/22

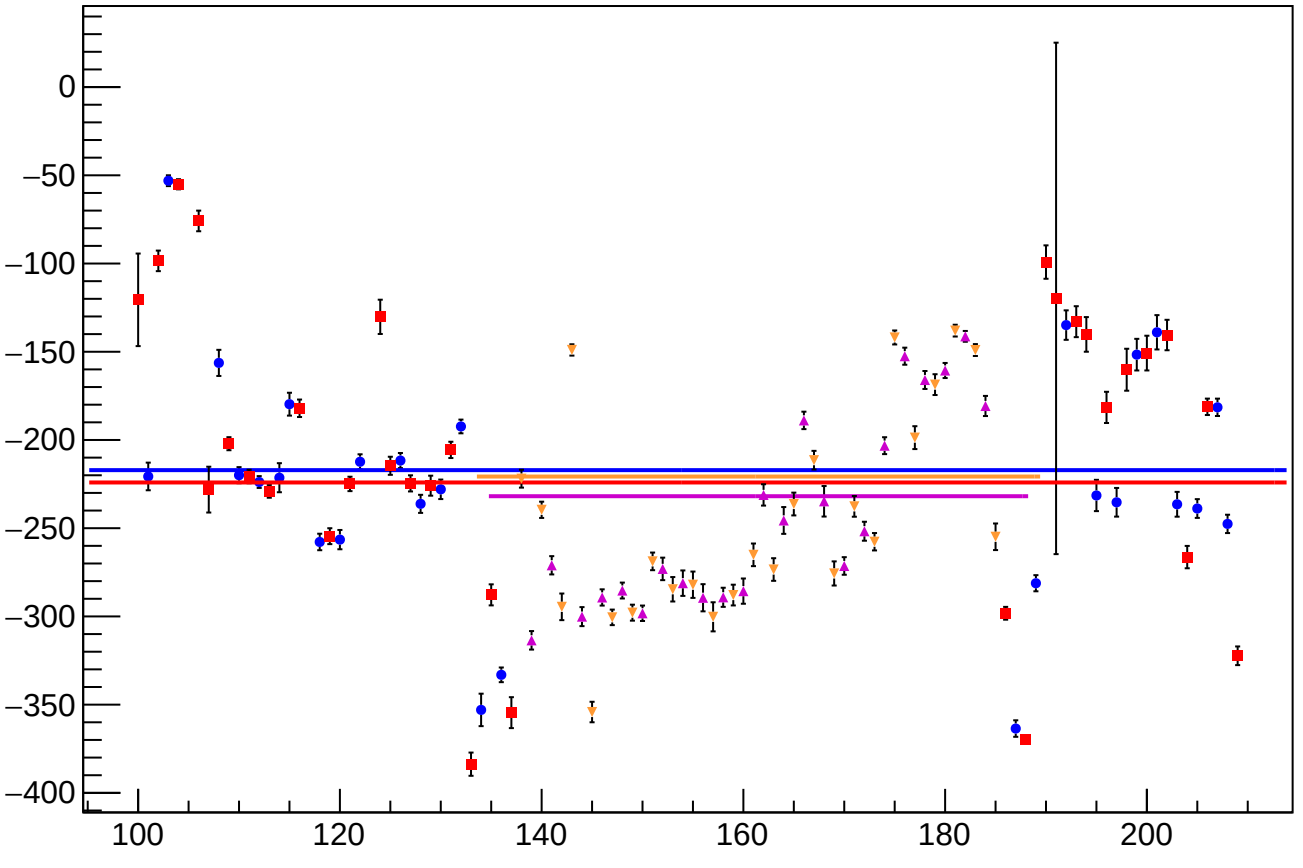
Left: 3.343+/-0.008 χ^2/NDF: 749294.8/47

Right: 2.248+/-0.017 χ^2/NDF: 713045.3/58

In: 3.533+/-0.010 χ^2/NDF:619739.3/49

Out: 2.796+/-0.010 χ^2/NDF:843193.8/56

All: 3.161+/-0.007 χ^2/NDF: 1465602.9/106



Right In: -217.092+/-0.997 χ^2/NDF: 5658.2/26

Left Out: -220.723+/-1.018 χ^2/NDF:4052.2/24

Right Out: -224.085+/-0.907 χ^2/NDF: 10612.4/31

Left In: -231.871+/-1.077 χ^2/NDF:3160.3/22

Left: -225.984+/-0.740 χ^2/NDF: 7269.1/47

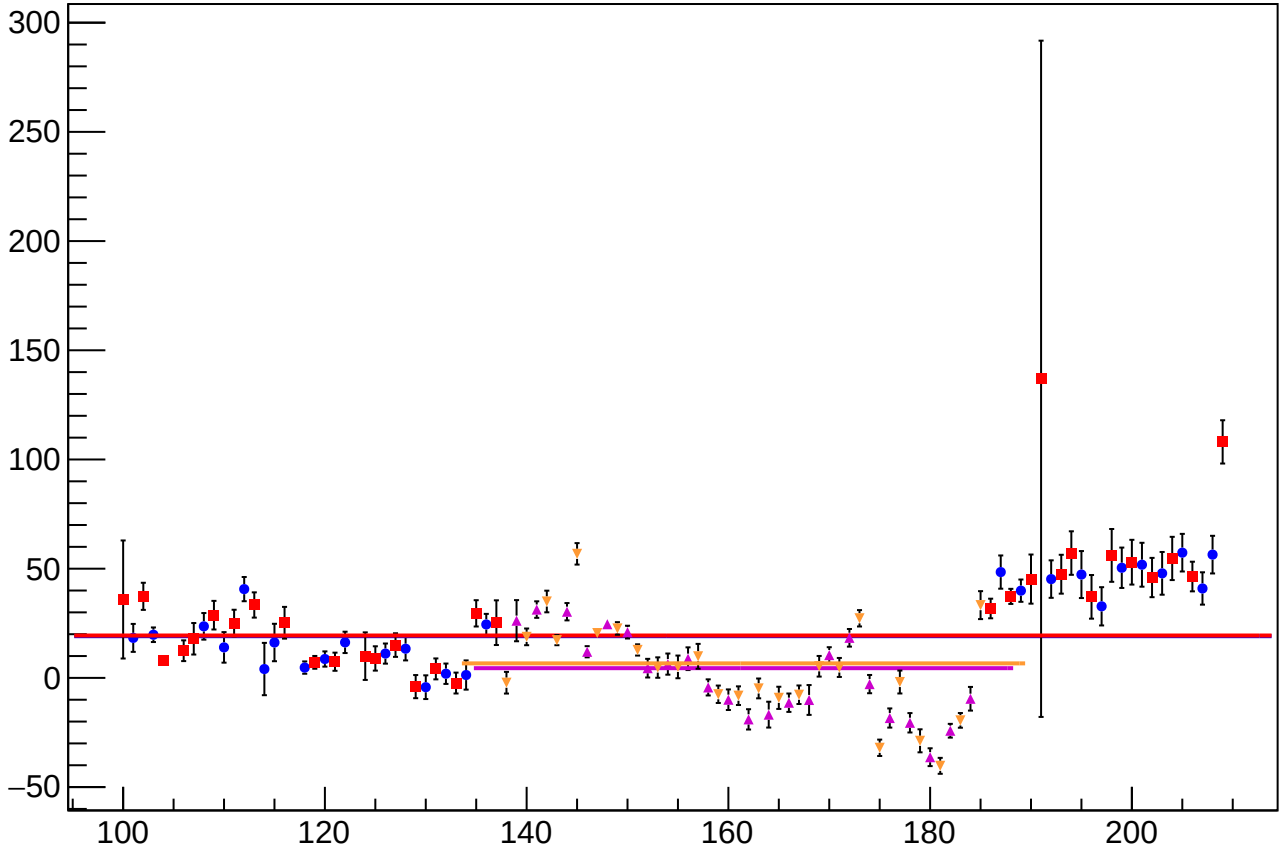
Right: -220.919+/-0.671 χ^2/NDF: 16297.5/58

In: -223.916+/-0.732 χ^2/NDF:8919.9/49

Out: -222.597+/-0.677 χ^2/NDF:14670.7/56

All: -223.206+/-0.497 χ^2/NDF: 23592.4/106

reg_asym_atl_avg_atr_avg_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 19.092+/-1.079 χ^2/NDF: 225.8/26

Left Out: 6.643+/-0.752 χ^2/NDF:735.0/24

Right Out: 19.405+/-0.981 χ^2/NDF: 334.9/31

Left In: 4.447+/-0.807 χ^2/NDF:567.1/22

Left: 5.622+/-0.550 χ^2/NDF: 1306.0/47

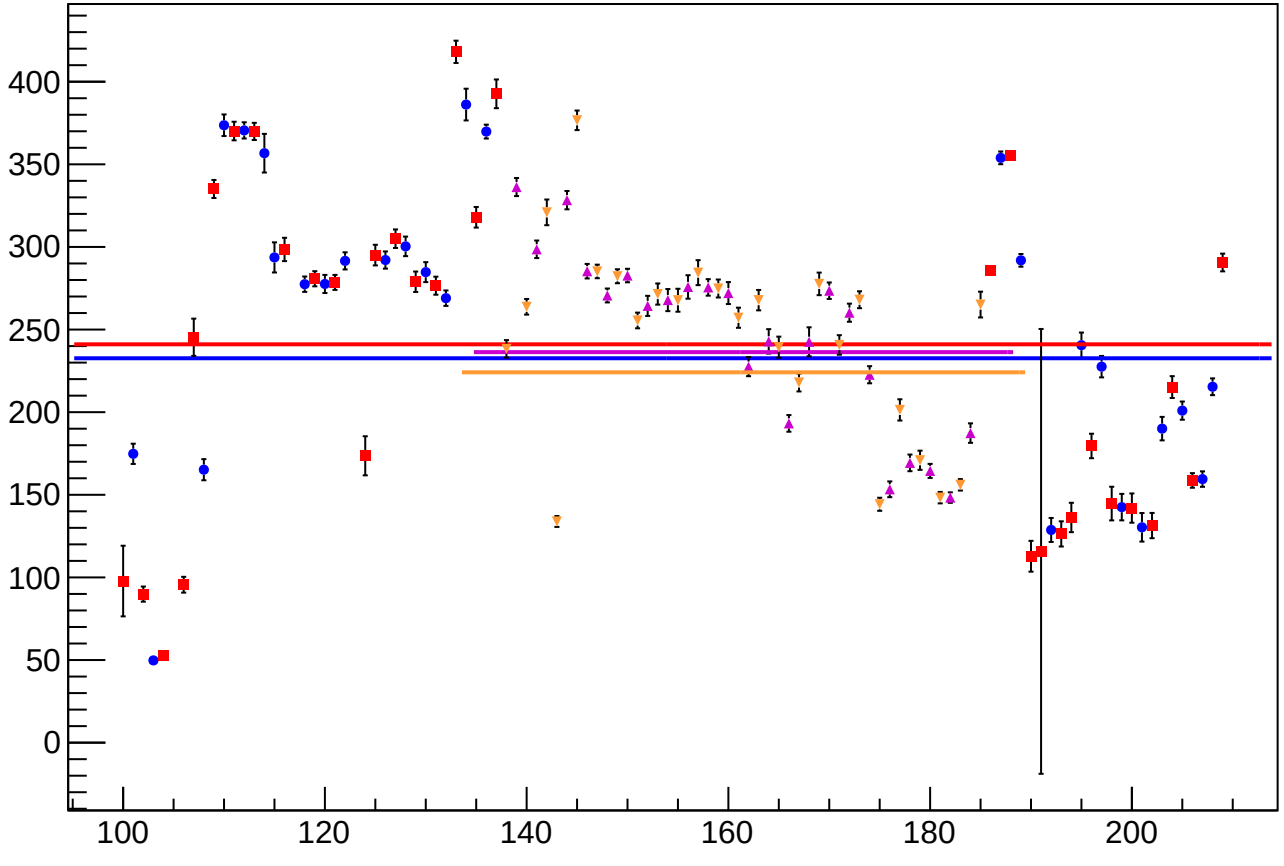
Right: 19.263+/-0.726 χ^2/NDF: 560.8/58

In: 9.703+/-0.646 χ^2/NDF:911.1/49

Out: 11.372+/-0.597 χ^2/NDF:1176.5/56

All: 10.603+/-0.438 χ^2/NDF: 2091.1/106

reg_asym_atl_avg_atr_avg_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 232.630+/-1.004 χ^2/NDF: 11409.5/26

Left Out: 224.123+/-1.014 χ^2/NDF:3966.6/24

Right Out: 241.067+/-0.886 χ^2/NDF: 17055.3/31

Left In: 236.342+/-1.066 χ^2/NDF:2992.9/22

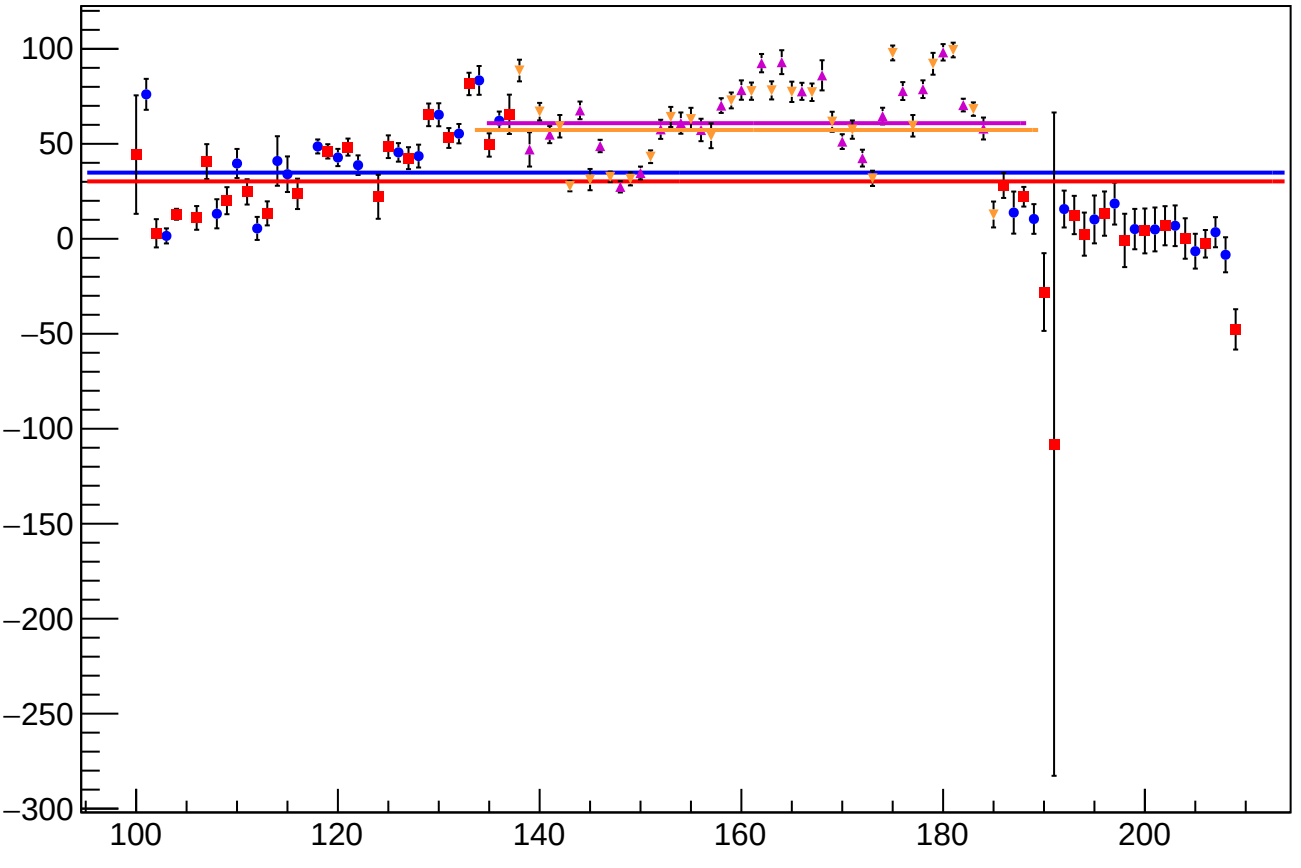
Left: 229.922+/-0.735 χ^2/NDF: 7028.5/47

Right: 237.376+/-0.664 χ^2/NDF: 28504.6/58

In: 234.374+/-0.731 χ^2/NDF:14408.9/49

Out: 233.733+/-0.667 χ^2/NDF:21180.4/56

All: 234.024+/-0.493 χ^2/NDF: 35589.8/106



Right In: 34.844+/-1.264 χ^2/NDF: 369.7/26

Left Out: 57.288+/-0.868 χ^2/NDF:767.9/24

Right Out: 30.222+/-1.176 χ^2/NDF: 390.2/31

Left In: 60.877+/-0.923 χ^2/NDF:454.7/22

Left: 58.973+/-0.632 χ^2/NDF: 1230.6/47

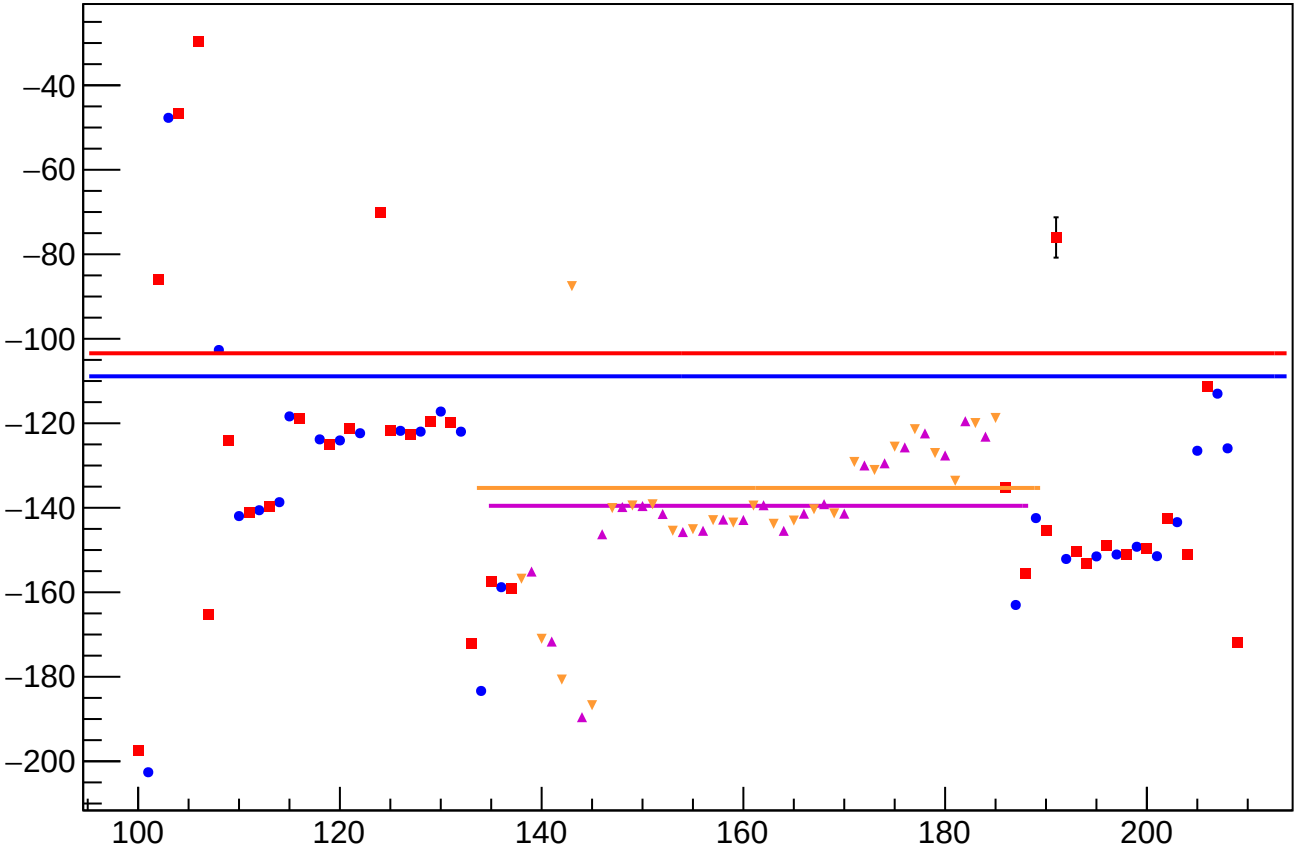
Right: 32.368+/-0.861 χ^2/NDF: 767.0/58

In: 51.825+/-0.745 χ^2/NDF:1101.3/49

Out: 47.748+/-0.698 χ^2/NDF:1500.8/56

All: 49.654+/-0.510 χ^2/NDF: 2618.0/106

reg_asym_atl_avg_atr_avg_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -108.884+/-0.058 χ^2/NDF: 664700.3/26

Left Out: -135.305+/-0.041 χ^2/NDF:262874.5/24

Right Out: -103.433+/-0.056 χ^2/NDF: 738651.8/31

Left In: -139.533+/-0.042 χ^2/NDF:114482.7/22

Left: -137.341+/-0.029 χ^2/NDF: 382584.2/47

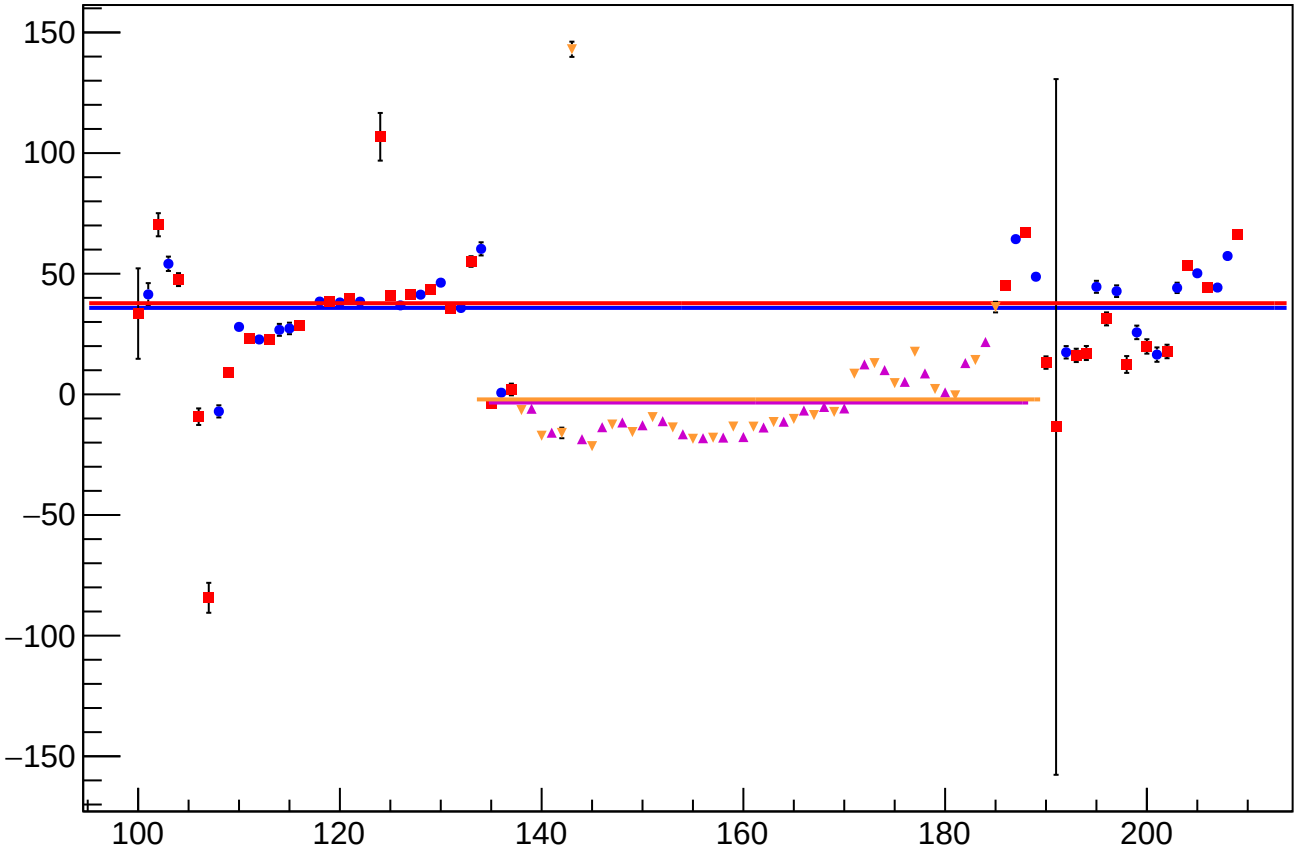
Right: -106.048+/-0.040 χ^2/NDF: 1407887.7/58

In: -129.043+/-0.034 χ^2/NDF:960500.0/49

Out: -124.348+/-0.033 χ^2/NDF:1213647.9/56

All: -126.605+/-0.024 χ^2/NDF: 2183959.2/10

reg_asym_atl_avg_atr_avg_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 35.838+/-0.341 χ^2/NDF: 2550.4/26

Left Out: -2.091+/-0.267 χ^2/NDF:4201.3/24

Right Out: 37.777+/-0.302 χ^2/NDF: 5036.3/31

Left In: -3.391+/-0.271 χ^2/NDF:1752.8/22

Left: -2.730+/-0.190 χ^2/NDF: 5965.8/47

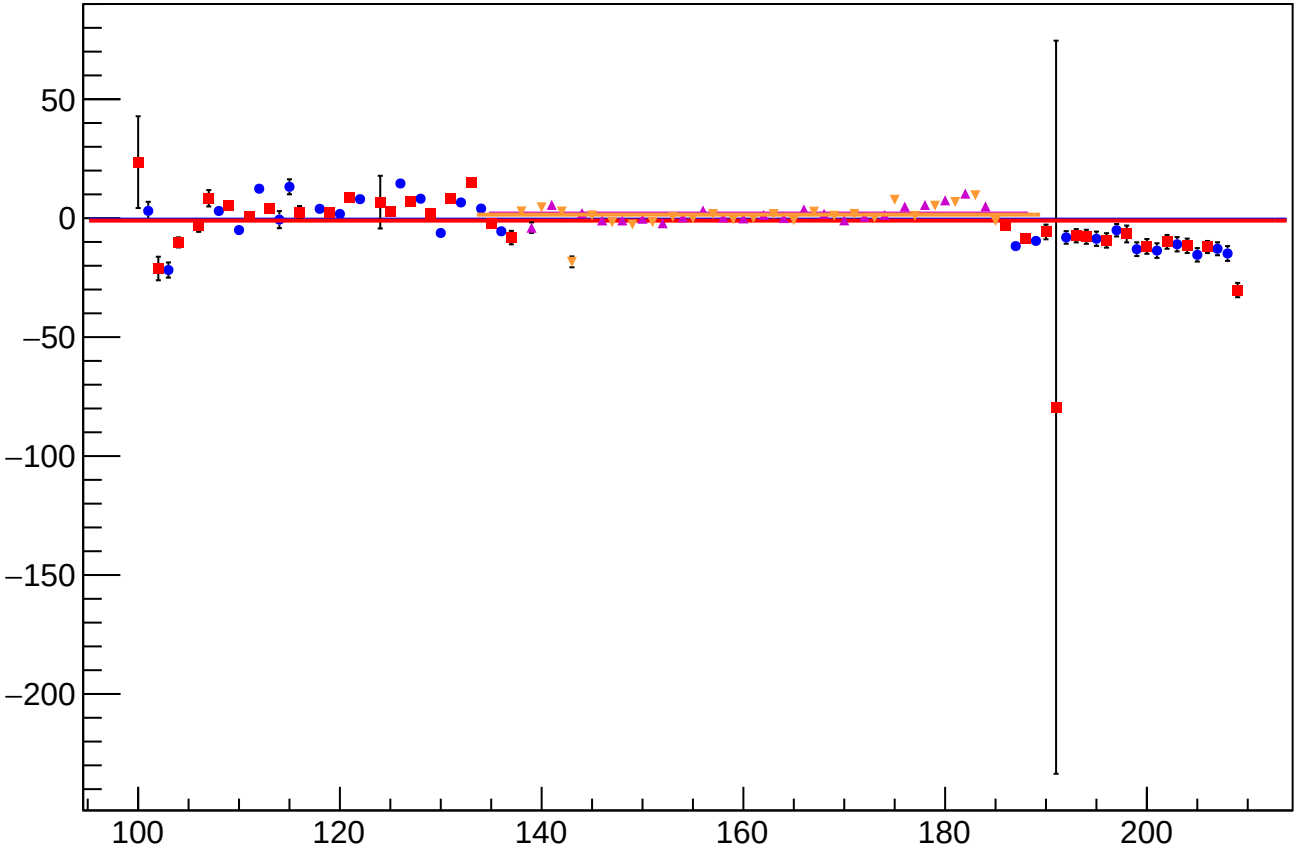
Right: 36.925+/-0.226 χ^2/NDF: 7604.8/58

In: 11.818+/-0.212 χ^2/NDF:12410.0/49

Out: 15.387+/-0.200 χ^2/NDF:19029.2/56

All: 13.710+/-0.146 χ^2/NDF: 31589.0/106

reg_asym_atl_avg_atr_avg_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -0.611+/-0.382 χ^2/NDF: 511.0/26

Left Out: 1.489+/-0.205 χ^2/NDF:328.6/24

Right Out: -1.025+/-0.356 χ^2/NDF: 504.0/31

Left In: 1.933+/-0.210 χ^2/NDF:240.7/22

Left: 1.705+/-0.147 χ^2/NDF: 571.5/47

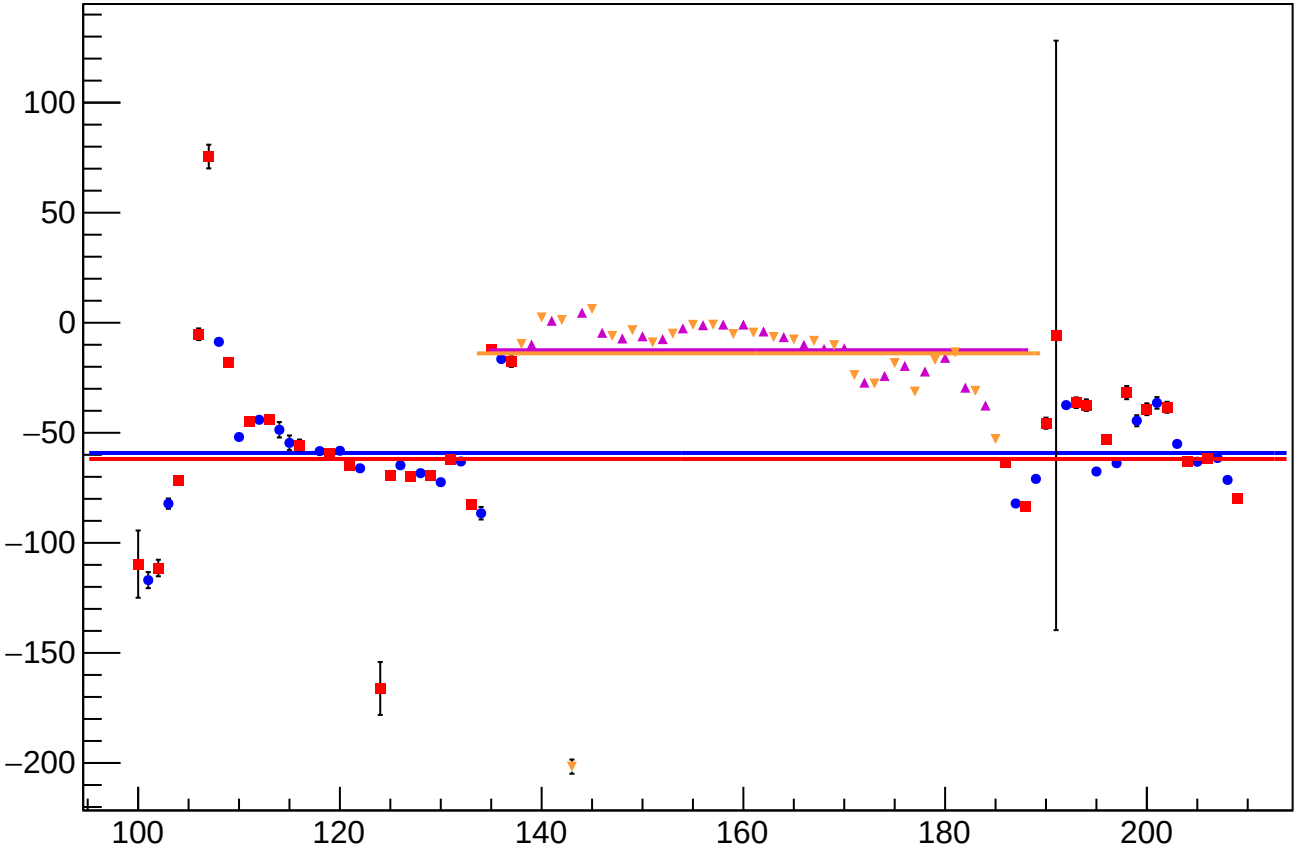
Right: -0.832+/-0.260 χ^2/NDF: 1015.7/58

In: 1.340+/-0.184 χ^2/NDF:785.8/49

Out: 0.862+/-0.178 χ^2/NDF:870.1/56

All: 1.092+/-0.128 χ^2/NDF: 1659.3/106

reg_asym_atl_avg_atr_avg_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -59.166+/-0.352 χ^2/NDF: 3386.1/26

Left Out: -13.908+/-0.265 χ^2/NDF:5128.3/24

Right Out: -61.883+/-0.298 χ^2/NDF: 5591.2/31

Left In: -12.494+/-0.269 χ^2/NDF:1430.3/22

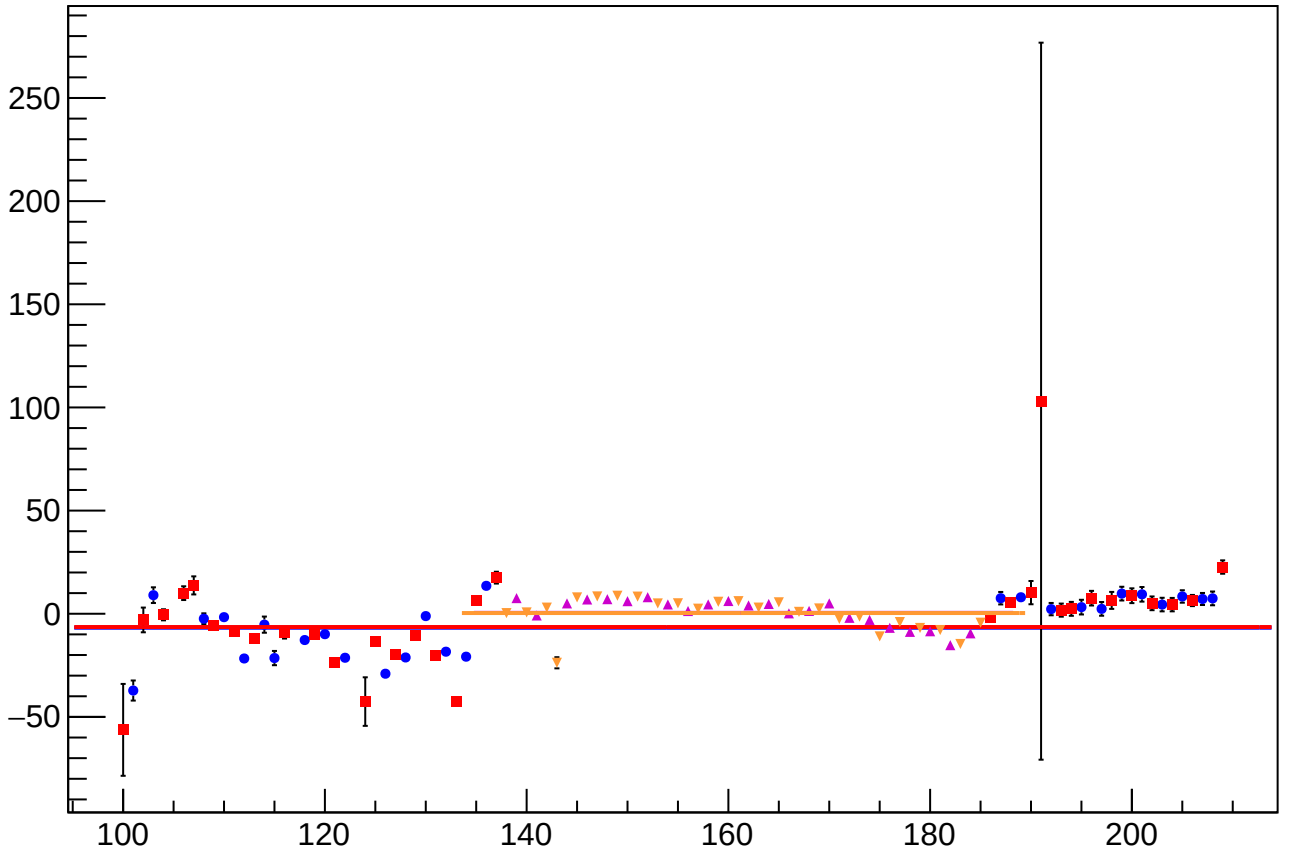
Left: -13.212+/-0.189 χ^2/NDF: 6572.6/47

Right: -60.752+/-0.227 χ^2/NDF: 9012.0/58

In: -29.647+/-0.214 χ^2/NDF:15904.4/49

Out: -35.095+/-0.198 χ^2/NDF:25225.7/56

All: -32.581+/-0.145 χ^2/NDF: 41480.1/106



Right In: -6.761+/-0.444 χ^2/NDF: 936.8/26

Left Out: 0.345+/-0.231 χ^2/NDF:921.9/24

Right Out: -6.444+/-0.427 χ^2/NDF: 1021.1/31

Left In: 0.433+/-0.237 χ^2/NDF:782.1/22

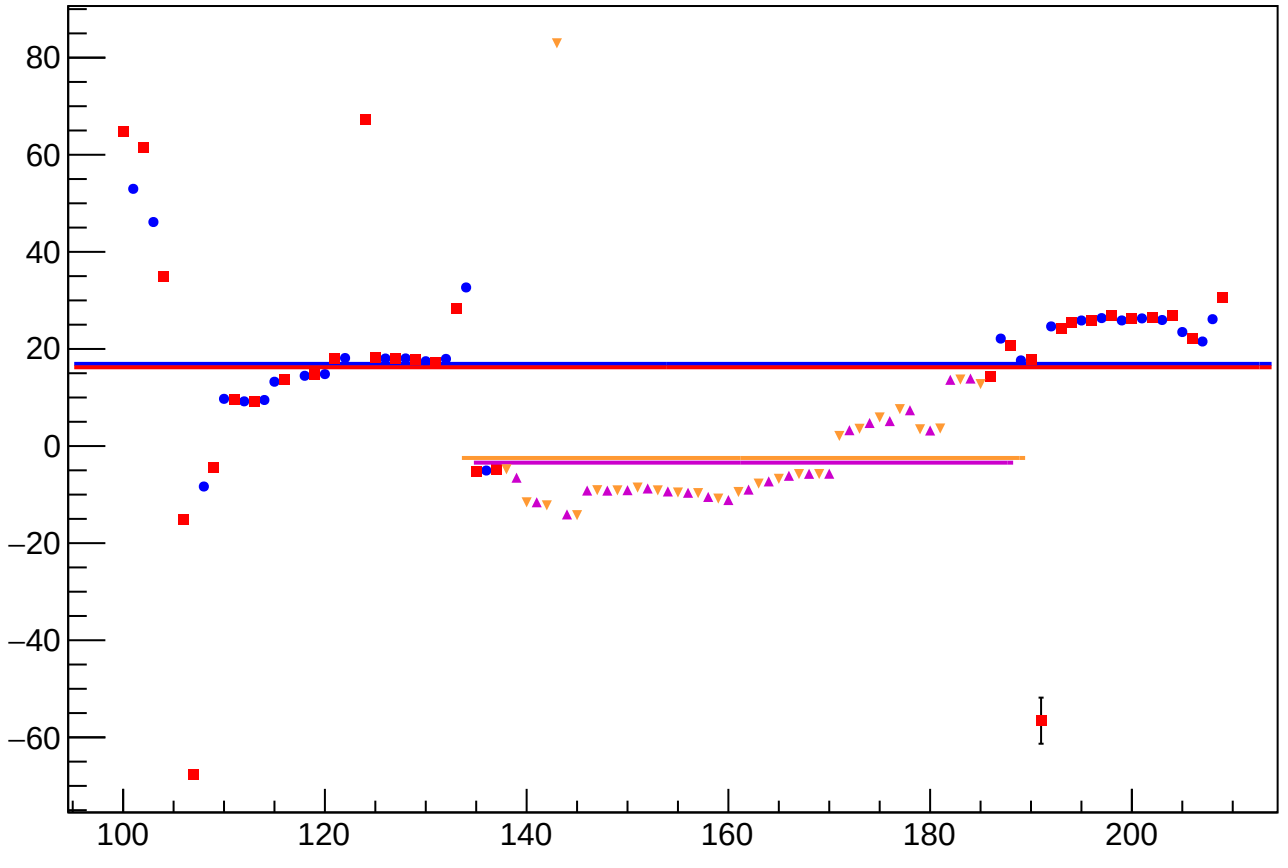
Left: 0.388+/-0.165 χ^2/NDF: 1704.0/47

Right: -6.597+/-0.308 χ^2/NDF: 1958.2/58

In: -1.158+/-0.209 χ^2/NDF:1923.3/49

Out: -1.194+/-0.203 χ^2/NDF:2138.2/56

All: -1.177+/-0.146 χ^2/NDF: 4061.5/106



Right In: 16.926+/-0.023 χ^2/NDF: 437664.7/26

Left Out: -2.452+/-0.010 χ^2/NDF:961833.3/24

Right Out: 16.226+/-0.022 χ^2/NDF: 566503.5/31

Left In: -3.418+/-0.010 χ^2/NDF:546802.2/22

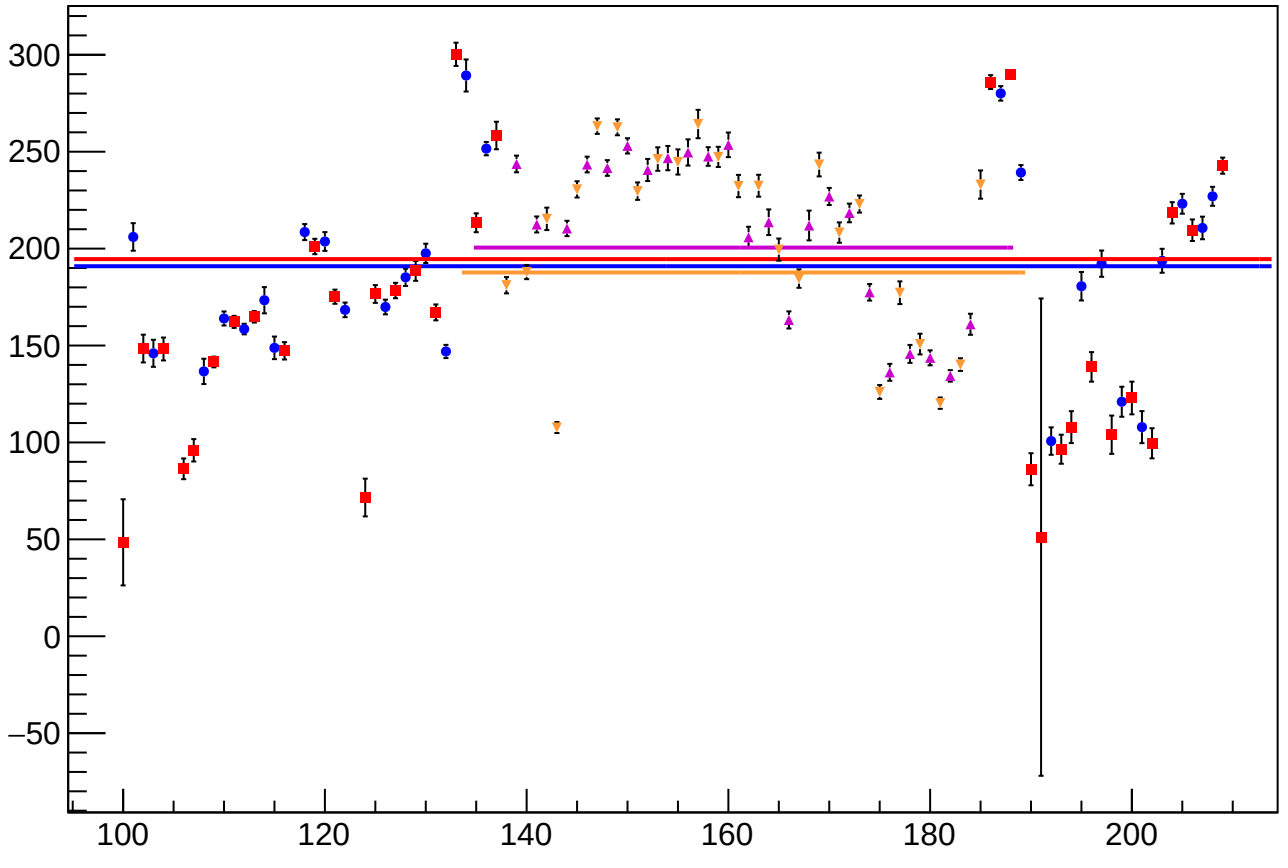
Left: -2.931+/-0.007 χ^2/NDF: 1512952.8/47

Right: 16.571+/-0.016 χ^2/NDF: 1004658.6/58

In: 0.185+/-0.009 χ^2/NDF:1656993.3/49

Out: 0.885+/-0.009 χ^2/NDF:2109834.6/56

All: 0.538+/-0.007 χ^2/NDF: 3769581.3/106



Right In: 190.920+/-0.910 χ^2/NDF: 2258.9/26

Left Out: 187.681+/-0.898 χ^2/NDF:3528.3/24

Right Out: 194.590+/-0.811 χ^2/NDF: 6144.4/31

Left In: 200.521+/-0.955 χ^2/NDF:2111.4/22

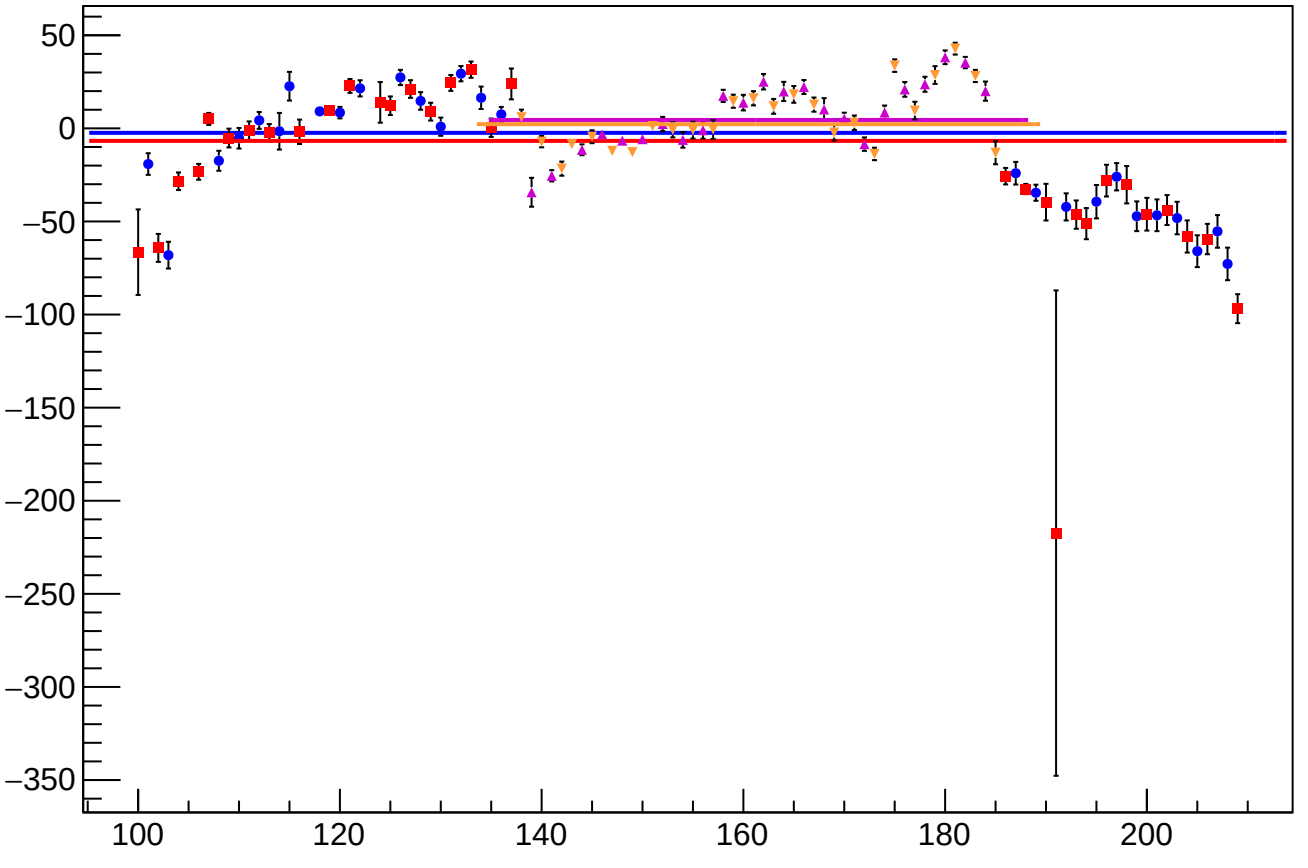
Left: 193.703+/-0.654 χ^2/NDF: 5735.7/47

Right: 192.965+/-0.605 χ^2/NDF: 8412.3/58

In: 195.488+/-0.659 χ^2/NDF:4423.3/49

Out: 191.486+/-0.602 χ^2/NDF:9705.3/56

All: 193.306+/-0.444 χ^2/NDF: 14148.7/106



Right In: -2.408+/-0.990 χ^2/NDF: 687.2/26

Left Out: 2.245+/-0.665 χ^2/NDF:600.9/24

Right Out: -6.729+/-0.910 χ^2/NDF: 869.5/31

Left In: 4.513+/-0.714 χ^2/NDF:547.1/22

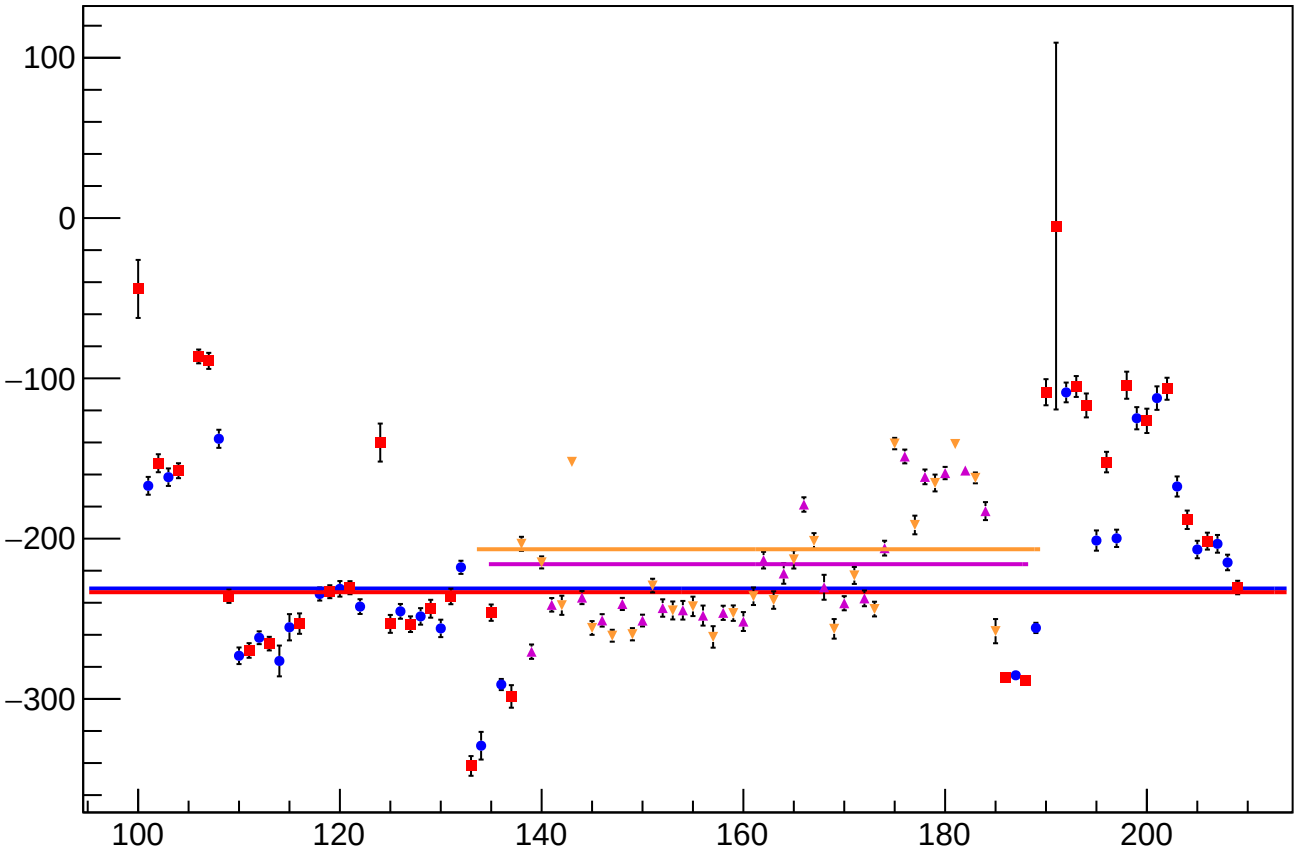
Left: 3.298+/-0.486 χ^2/NDF: 1153.4/47

Right: -4.750+/-0.670 χ^2/NDF: 1567.1/58

In: 2.145+/-0.579 χ^2/NDF:1266.5/49

Out: -0.876+/-0.537 χ^2/NDF:1533.8/56

All: 0.519+/-0.394 χ^2/NDF: 2814.9/106



Right In: -231.112+/-0.950 χ^2/NDF: 2683.1/26

Left Out: -206.617+/-0.895 χ^2/NDF:2467.8/24

Right Out: -233.427+/-0.817 χ^2/NDF: 6659.8/31

Left In: -215.938+/-0.946 χ^2/NDF:1711.9/22

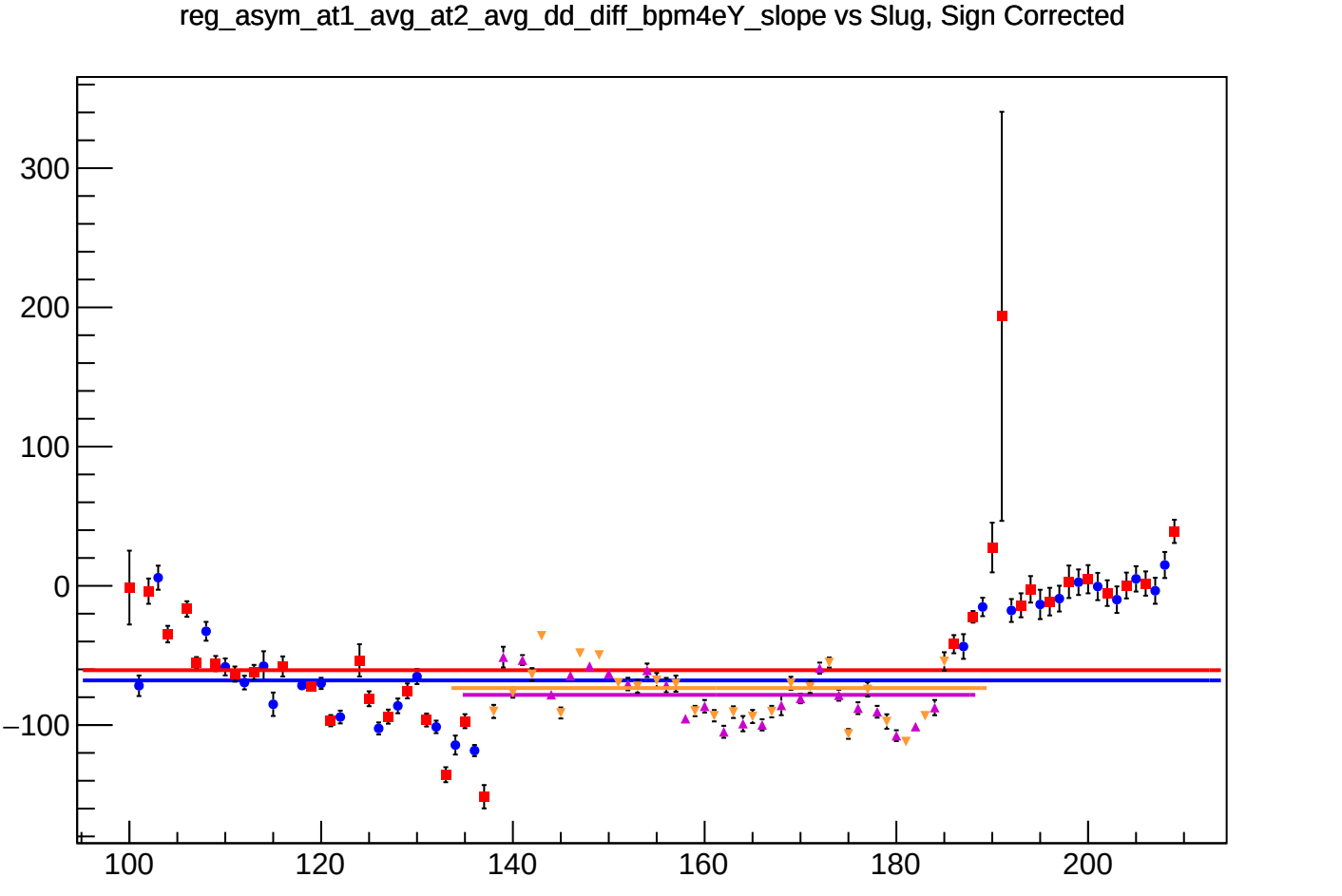
Left: -211.017+/-0.650 χ^2/NDF: 4230.9/47

Right: -232.443+/-0.620 χ^2/NDF: 9346.3/58

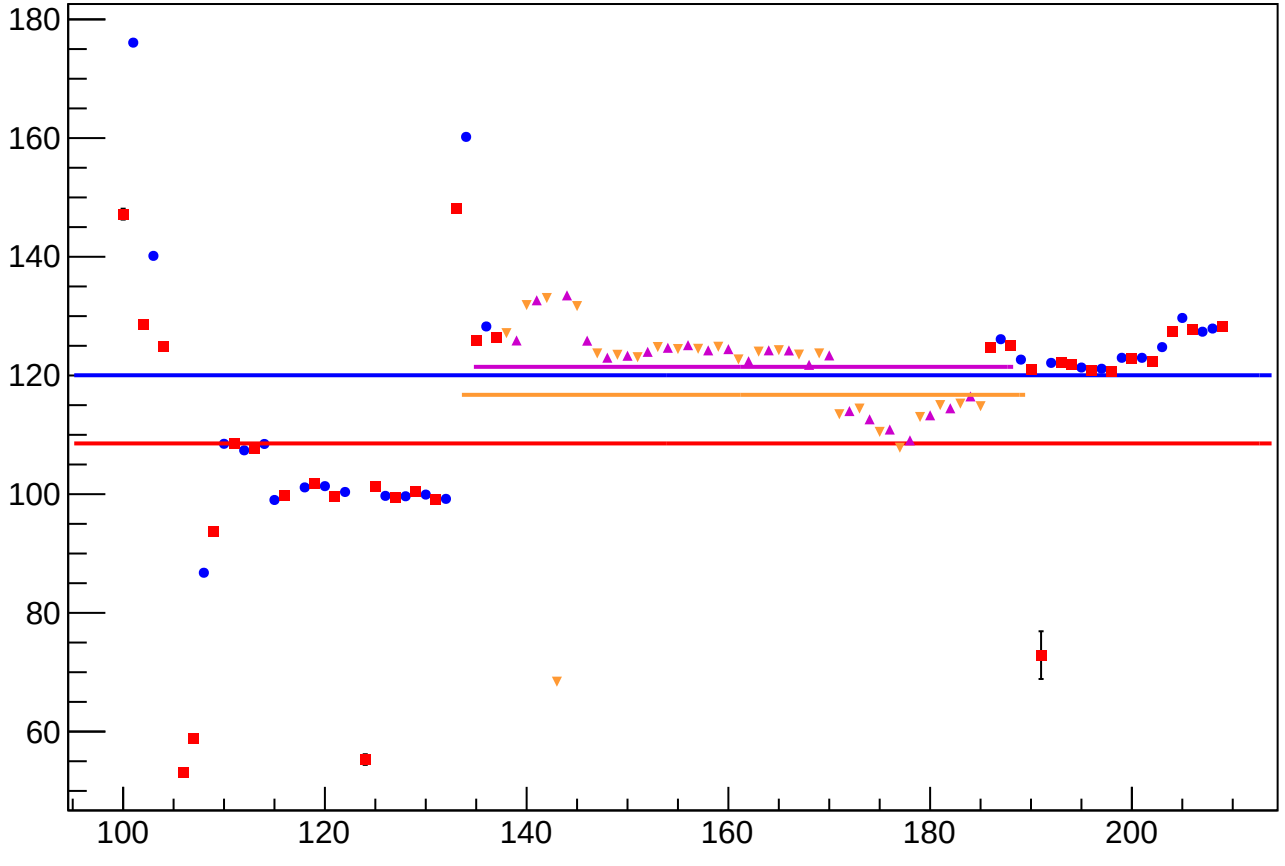
In: -223.491+/-0.670 χ^2/NDF:4523.0/49

Out: -221.233+/-0.603 χ^2/NDF:9617.1/56

All: -222.243+/-0.449 χ^2/NDF: 14146.4/106


reg_asym_at1_avg_at2_avg_dd_diff_bpm4eY_slope vs Slug, Sign Corrected
300
200
100
0
−100
100
120
140
160
180
200
Right In: -67.939+/-1.160 χ2/NDF: 985.5/26
Left Out: -73.426+/-0.767 χ2/NDF:836.6/24
Right Out: -60.588+/-1.086 χ2/NDF: 1267.2/31
Left In: -78.329+/-0.817 χ2/NDF:443.2/22
Left: -75.722+/-0.559 χ2/NDF: 1298.9/47
Right: -64.021+/-0.793 χ2/NDF: 2274.1/58
In: -74.883+/-0.668 χ2/NDF:1482.3/49
Out: -69.153+/-0.626 χ2/NDF:2197.0/56
All: -71.833+/-0.457 χ2/NDF: 3718.5/106

reg_asym_at1_avg_at2_avg_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 120.037+/-0.061 χ^2/NDF: 98387.5/26

Left Out: 116.740+/-0.036 χ^2/NDF:203650.9/24

Right Out: 108.550+/-0.056 χ^2/NDF: 210385.8/31

Left In: 121.455+/-0.037 χ^2/NDF:28796.4/22

Left: 119.004+/-0.026 χ^2/NDF: 240766.9/47

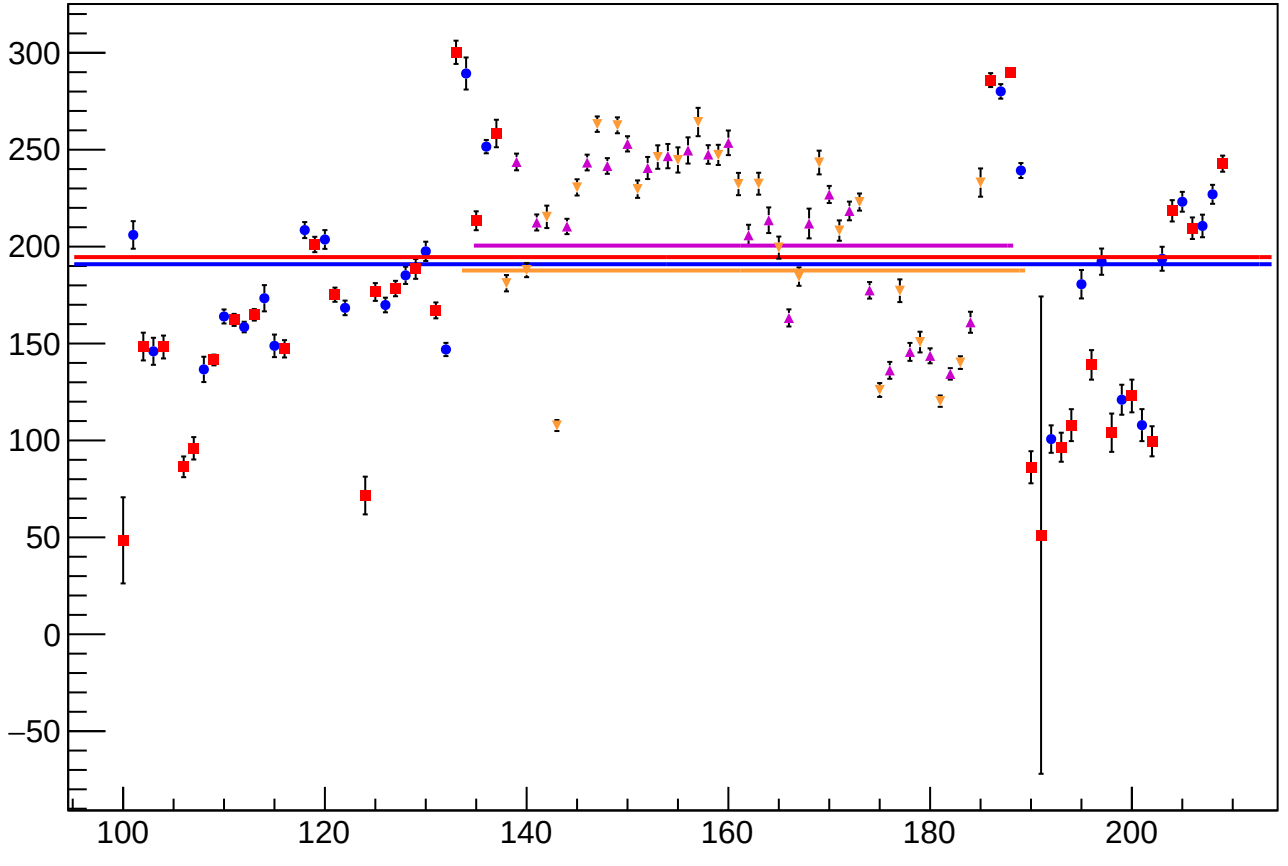
Right: 113.746+/-0.041 χ^2/NDF: 328063.4/58

In: 121.071+/-0.032 χ^2/NDF:127575.8/49

Out: 114.340+/-0.030 χ^2/NDF:429363.3/56

All: 117.519+/-0.022 χ^2/NDF: 580540.5/106

reg_asym_atl1r2_dd_atl2r1_dd_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 190.920+/-0.910 χ^2/NDF: 2258.9/26

Left Out: 187.681+/-0.898 χ^2/NDF:3528.3/24

Right Out: 194.590+/-0.811 χ^2/NDF: 6144.4/31

Left In: 200.521+/-0.955 χ^2/NDF:2111.4/22

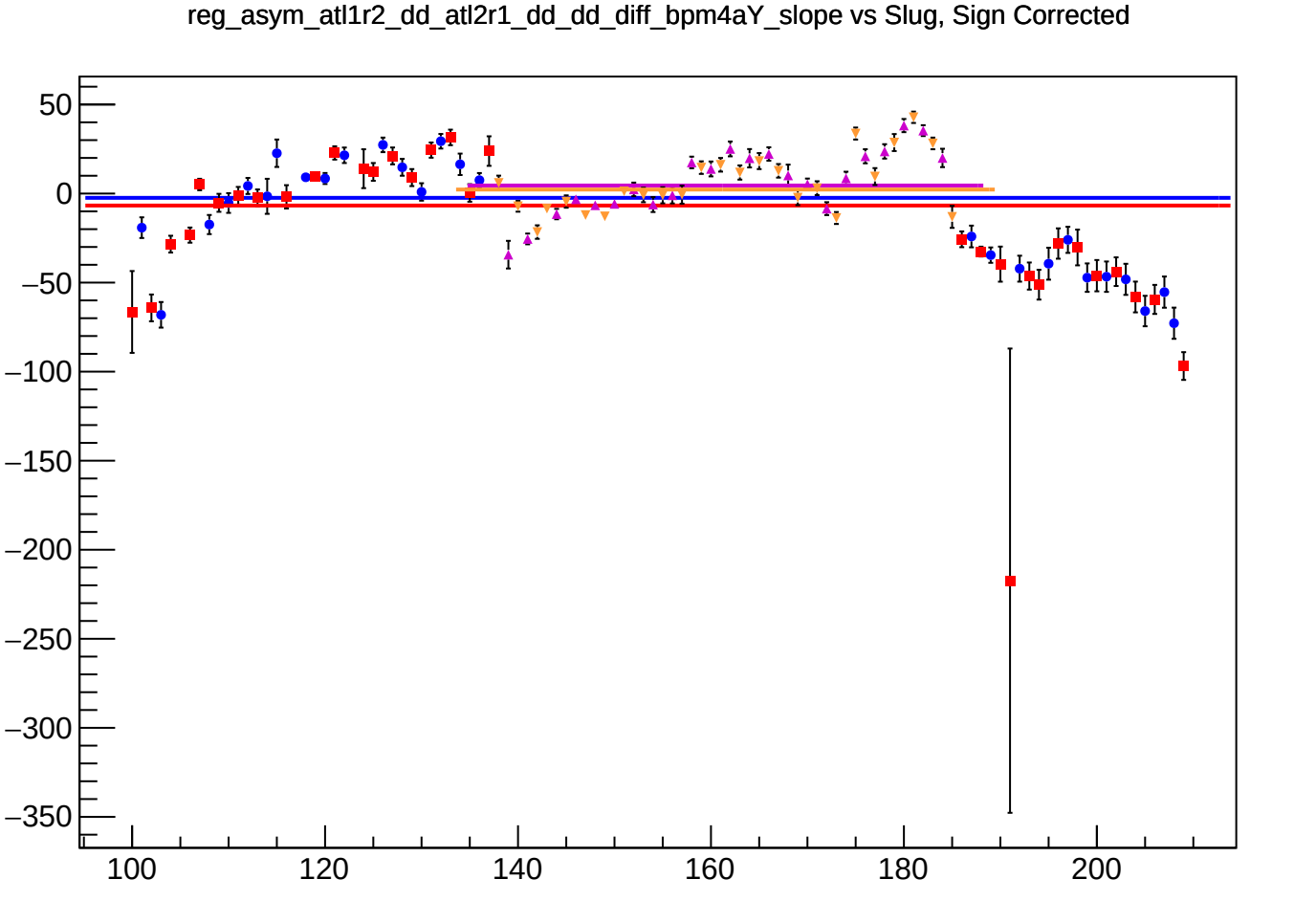
Left: 193.703+/-0.654 χ^2/NDF: 5735.7/47

Right: 192.965+/-0.605 χ^2/NDF: 8412.3/58

In: 195.488+/-0.659 χ^2/NDF:4423.3/49

Out: 191.486+/-0.602 χ^2/NDF:9705.3/56

All: 193.306+/-0.444 χ^2/NDF: 14148.7/106



Right In: -2.408+/-0.990 χ^2/NDF: 687.2/26

Left Out: 2.245+/-0.665 χ^2/NDF:600.9/24

Right Out: -6.729+/-0.910 χ^2/NDF: 869.5/31

Left In: 4.513+/-0.714 χ^2/NDF:547.1/22

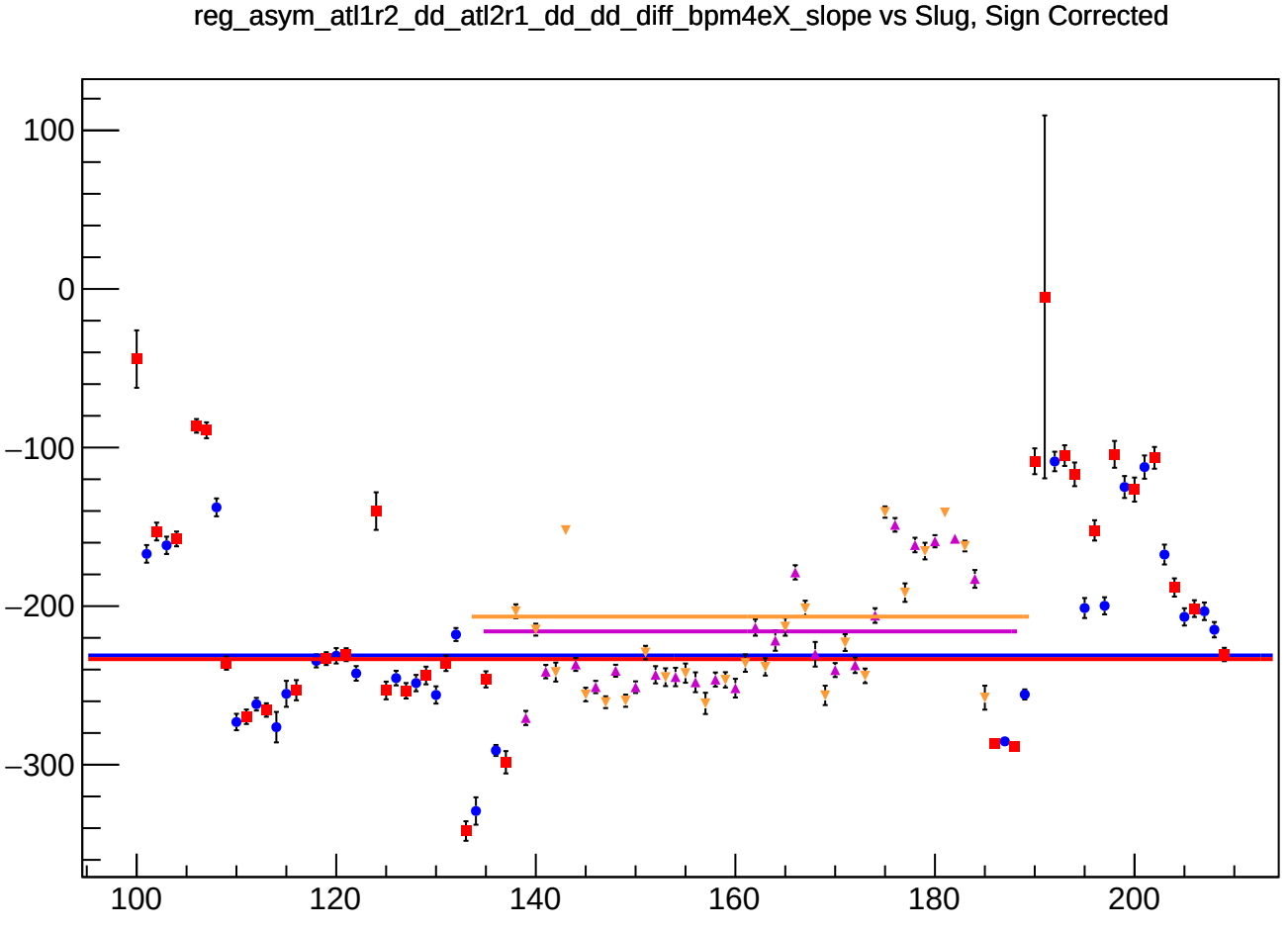
Left: 3.298+/-0.486 χ^2/NDF: 1153.4/47

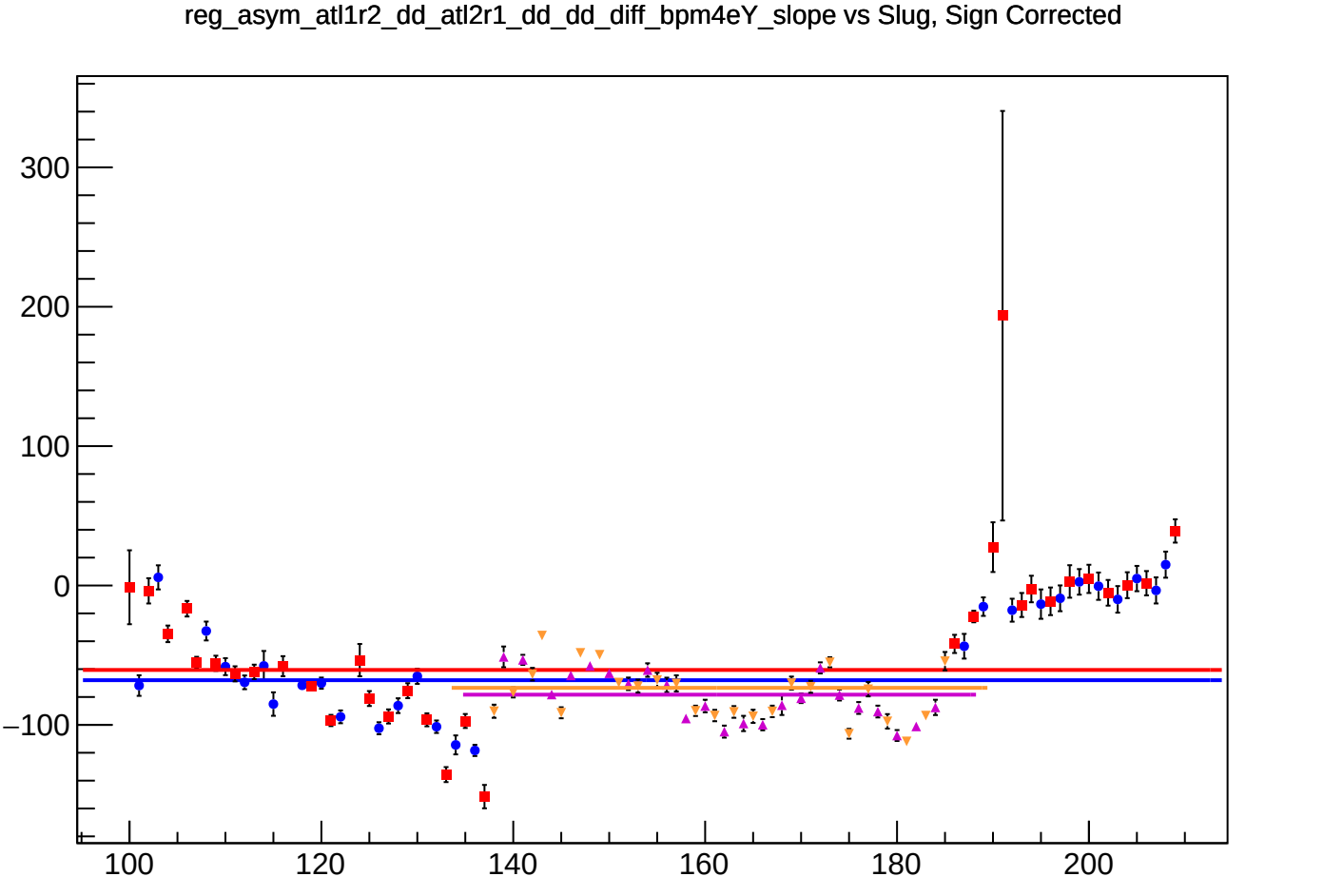
Right: -4.750+/-0.670 χ^2/NDF: 1567.1/58

In: 2.145+/-0.579 χ^2/NDF:1266.5/49

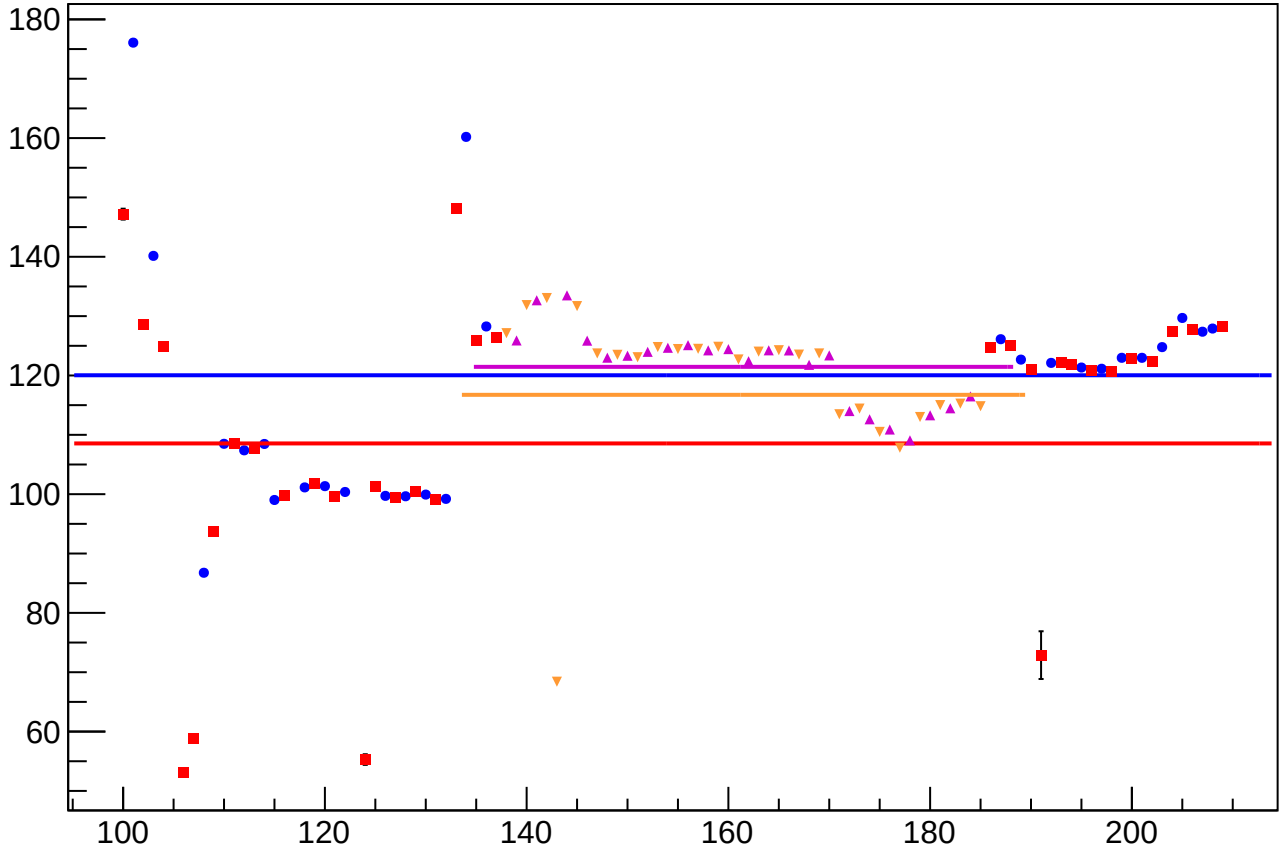
Out: -0.876+/-0.537 χ^2/NDF:1533.8/56

All: 0.519+/-0.394 χ^2/NDF: 2814.9/106


reg_asym_atl1r2_dd_atl2r1_dd_dd_diff_bpm4eX_slope vs Slug, Sign Corrected
100
0
−100
−200
−300
100
120
140
160
180
200
Right In: -231.112+/-0.950 χ²/NDF: 2683.1/26
Left Out: -206.617+/-0.895 χ²/NDF:2467.8/24
Right Out: -233.427+/-0.817 χ²/NDF: 6659.8/31
Left In: -215.938+/-0.946 χ²/NDF:1711.9/22
Left: -211.017+/-0.650 χ²/NDF: 4230.9/47
Right: -232.443+/-0.620 χ²/NDF: 9346.3/58
In: -223.491+/-0.670 χ²/NDF:4523.0/49
Out: -221.233+/-0.603 χ²/NDF:9617.1/56
All: -222.243+/-0.449 χ²/NDF: 14146.4/106


reg_asym_atl1r2_dd_atl2r1_dd_dd_diff_bpm4eY_slope vs Slug, Sign Corrected
300
200
100
0
−100
100
120
140
160
180
200
Right In: -67.939+/-1.160 χ²/NDF: 985.5/26
Left Out: -73.426+/-0.767 χ²/NDF:836.6/24
Right Out: -60.588+/-1.086 χ²/NDF: 1267.2/31
Left In: -78.329+/-0.817 χ²/NDF:443.2/22
Left: -75.722+/-0.559 χ²/NDF: 1298.9/47
Right: -64.021+/-0.793 χ²/NDF: 2274.1/58
In: -74.883+/-0.668 χ²/NDF:1482.3/49
Out: -69.153+/-0.626 χ²/NDF:2197.0/56
All: -71.833+/-0.457 χ²/NDF: 3718.5/106

reg_asym_atl1r2_dd_atl2r1_dd_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 120.037+/-0.061 χ^2/NDF: 98387.5/26

Left Out: 116.740+/-0.036 χ^2/NDF:203650.9/24

Right Out: 108.550+/-0.056 χ^2/NDF: 210385.8/31

Left In: 121.455+/-0.037 χ^2/NDF:28796.4/22

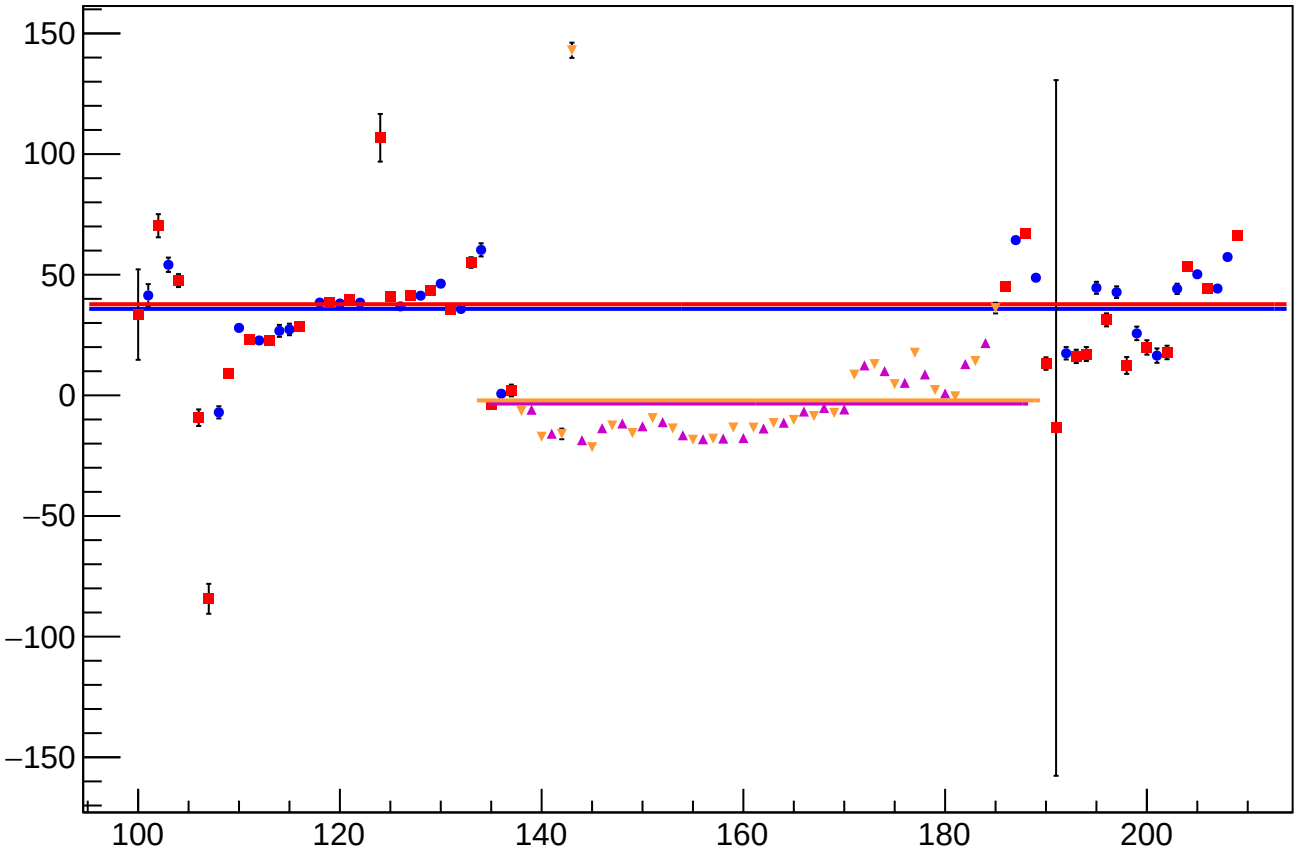
Left: 119.004+/-0.026 χ^2/NDF: 240766.9/47

Right: 113.746+/-0.041 χ^2/NDF: 328063.4/58

In: 121.071+/-0.032 χ^2/NDF:127575.8/49

Out: 114.340+/-0.030 χ^2/NDF:429363.3/56

All: 117.519+/-0.022 χ^2/NDF: 580540.5/106



Right In: 35.838+/-0.341 χ^2/NDF: 2550.4/26

Left Out: -2.091+/-0.267 χ^2/NDF:4201.3/24

Right Out: 37.777+/-0.302 χ^2/NDF: 5036.3/31

Left In: -3.391+/-0.271 χ^2/NDF:1752.8/22

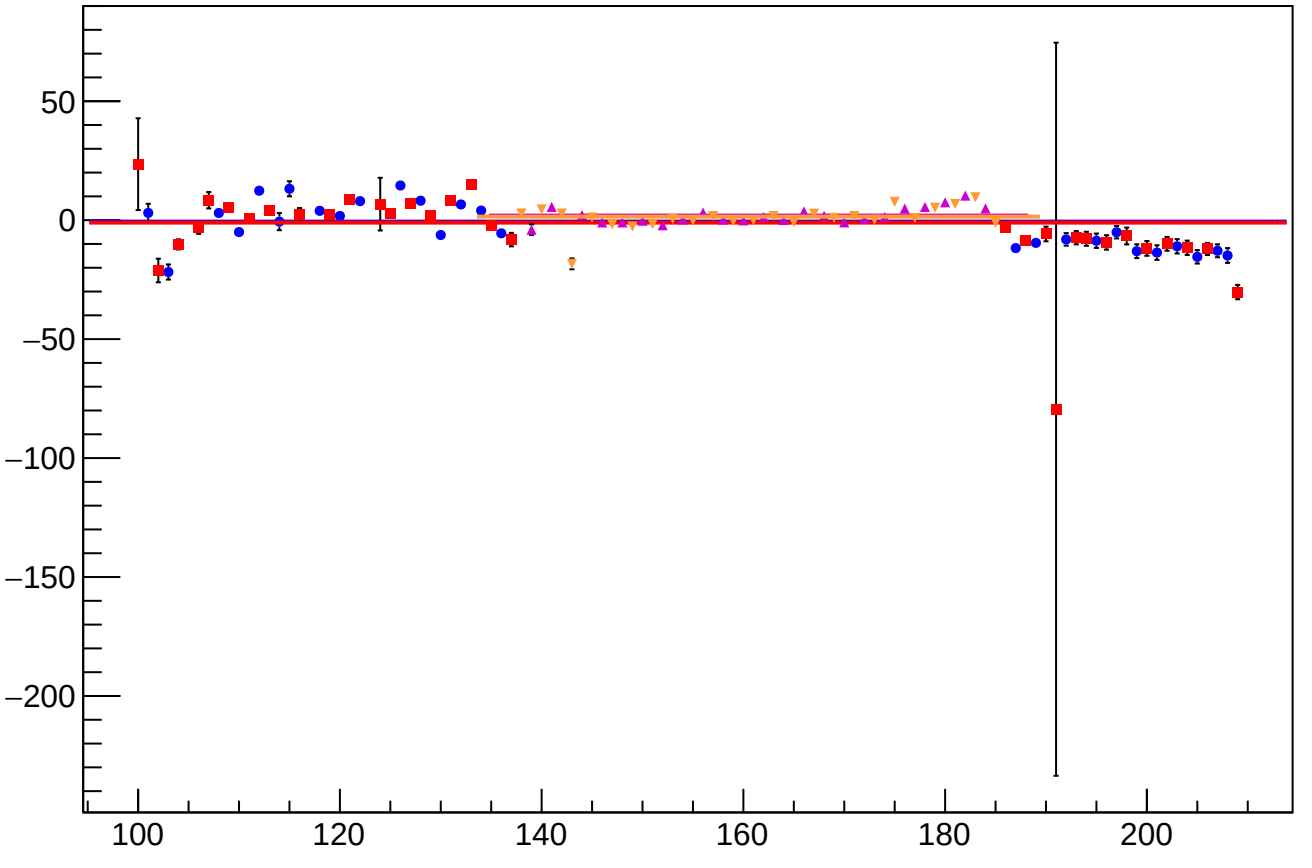
Left: -2.730+/-0.190 χ^2/NDF: 5965.8/47

Right: 36.925+/-0.226 χ^2/NDF: 7604.8/58

In: 11.818+/-0.212 χ^2/NDF:12410.0/49

Out: 15.387+/-0.200 χ^2/NDF:19029.2/56

All: 13.710+/-0.146 χ^2/NDF: 31589.0/106



Right In: -0.611+/-0.382 χ^2/NDF: 511.0/26

Left Out: 1.489+/-0.205 χ^2/NDF:328.6/24

Right Out: -1.025+/-0.356 χ^2/NDF: 504.0/31

Left In: 1.933+/-0.210 χ^2/NDF:240.7/22

Left: 1.705+/-0.147 χ^2/NDF: 571.5/47

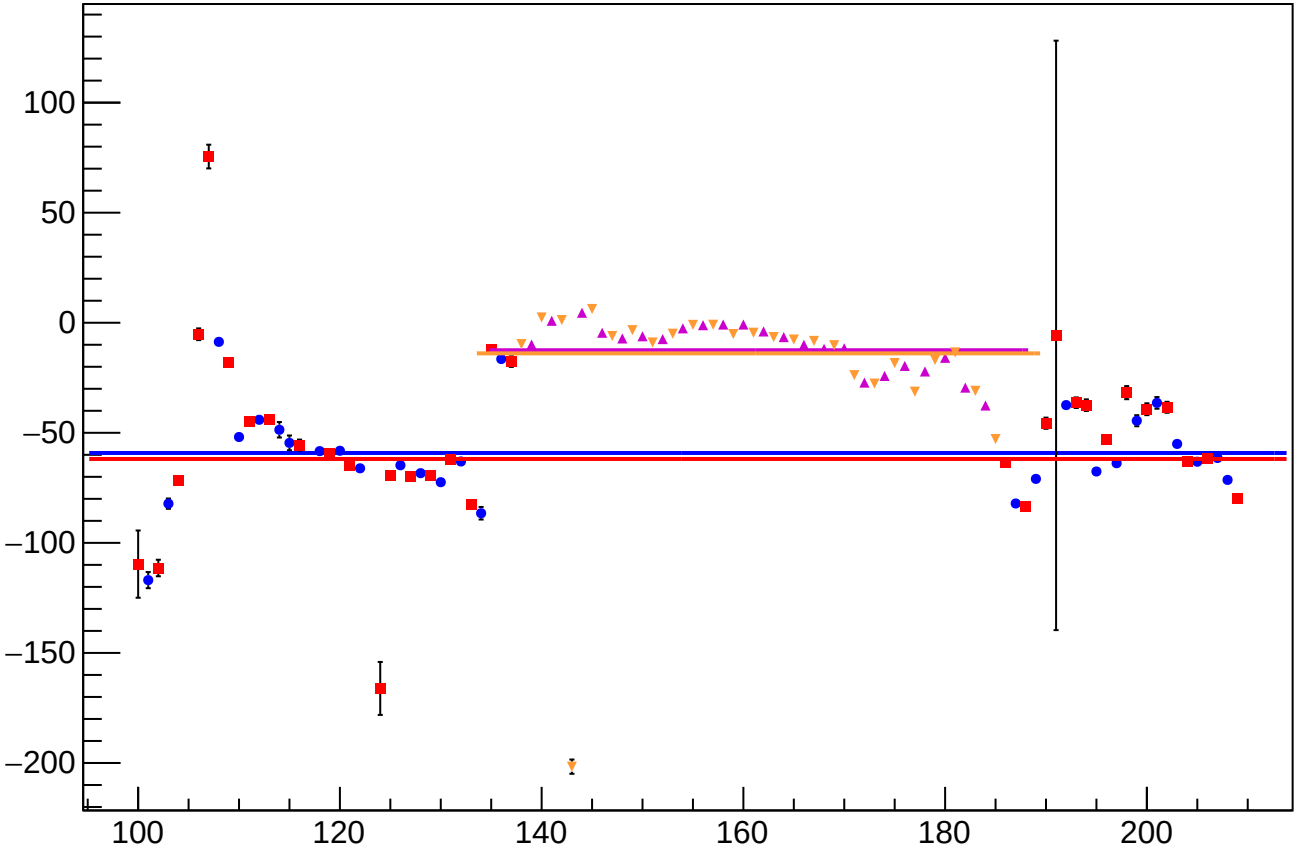
Right: -0.832+/-0.260 χ^2/NDF: 1015.7/58

In: 1.340+/-0.184 χ^2/NDF:785.8/49

Out: 0.862+/-0.178 χ^2/NDF:870.1/56

All: 1.092+/-0.128 χ^2/NDF: 1659.3/106

reg_asym_atl1r2_dd_atl2r1_dd_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -59.166+/-0.352 χ^2/NDF: 3386.1/26

Left Out: -13.908+/-0.265 χ^2/NDF:5128.3/24

Right Out: -61.883+/-0.298 χ^2/NDF: 5591.2/31

Left In: -12.494+/-0.269 χ^2/NDF:1430.3/22

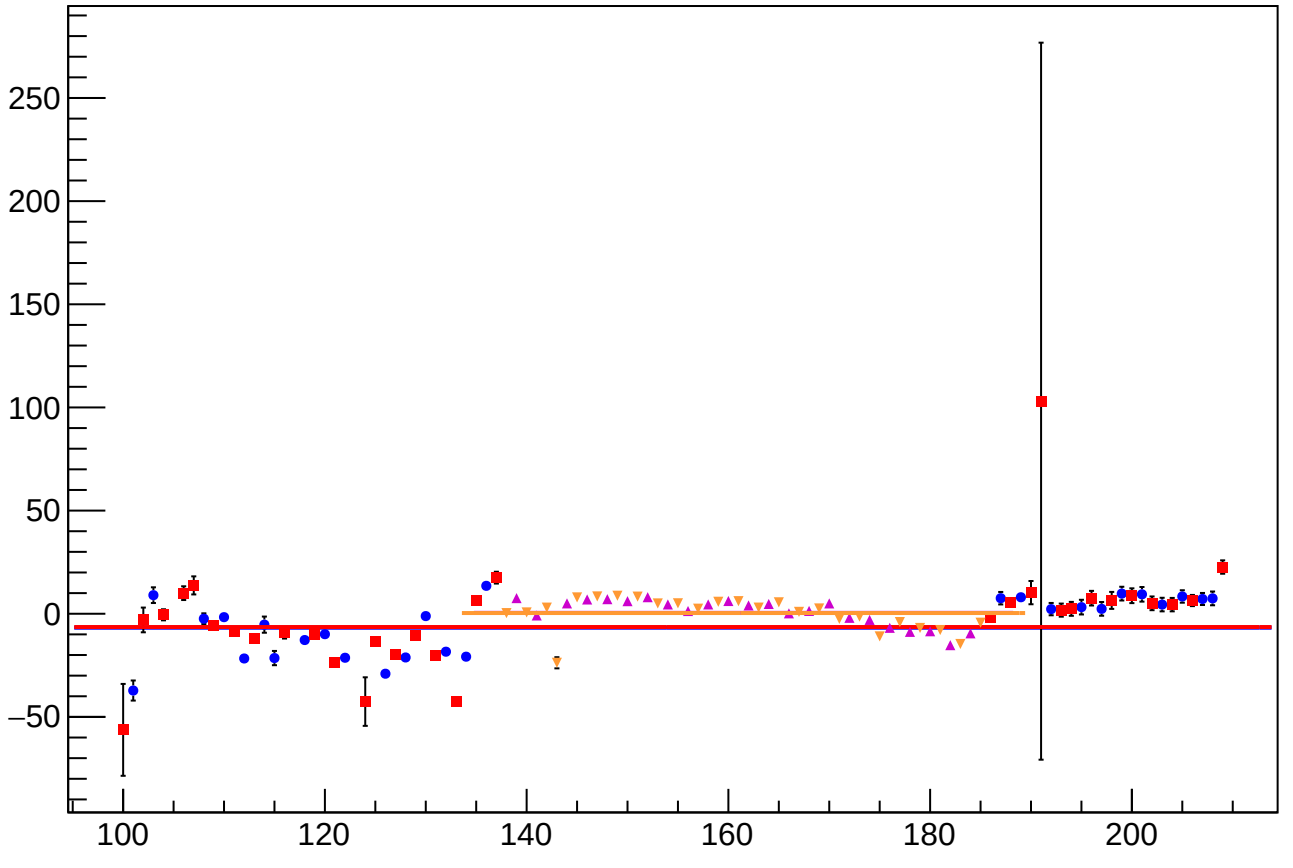
Left: -13.212+/-0.189 χ^2/NDF: 6572.6/47

Right: -60.752+/-0.227 χ^2/NDF: 9012.0/58

In: -29.647+/-0.214 χ^2/NDF:15904.4/49

Out: -35.095+/-0.198 χ^2/NDF:25225.7/56

All: -32.581+/-0.145 χ^2/NDF: 41480.1/106



Right In: -6.761+/-0.444 χ^2/NDF: 936.8/26

Left Out: 0.345+/-0.231 χ^2/NDF:921.9/24

Right Out: -6.444+/-0.427 χ^2/NDF: 1021.1/31

Left In: 0.433+/-0.237 χ^2/NDF:782.1/22

Left: 0.388+/-0.165 χ^2/NDF: 1704.0/47

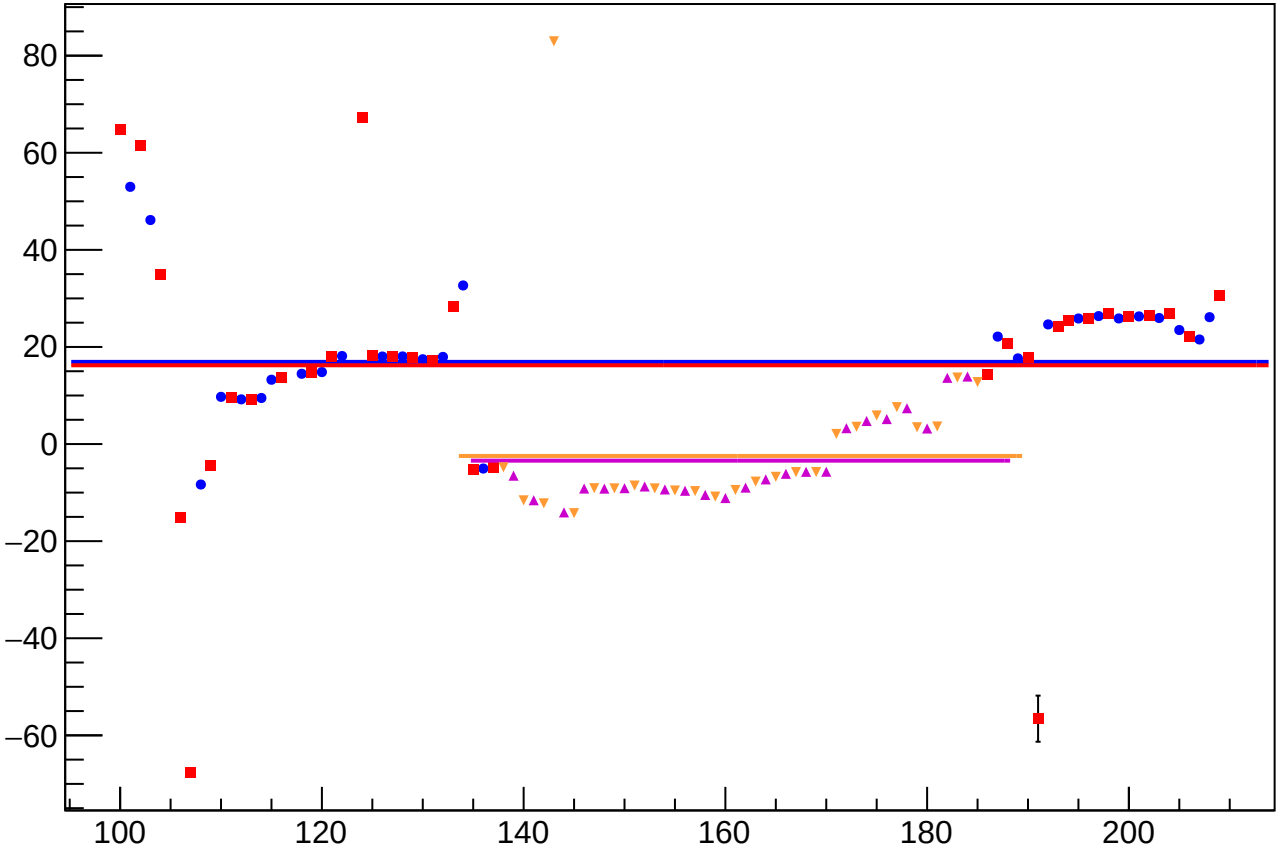
Right: -6.597+/-0.308 χ^2/NDF: 1958.2/58

In: -1.158+/-0.209 χ^2/NDF:1923.3/49

Out: -1.194+/-0.203 χ^2/NDF:2138.2/56

All: -1.177+/-0.146 χ^2/NDF: 4061.5/106

reg_asym_atl1r2_dd_atl2r1_dd_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 16.926+/-0.023 χ^2/NDF: 437664.7/26

Left Out: -2.452+/-0.010 χ^2/NDF:961833.3/24

Right Out: 16.226+/-0.022 χ^2/NDF: 566503.5/31

Left In: -3.418+/-0.010 χ^2/NDF:546802.2/22

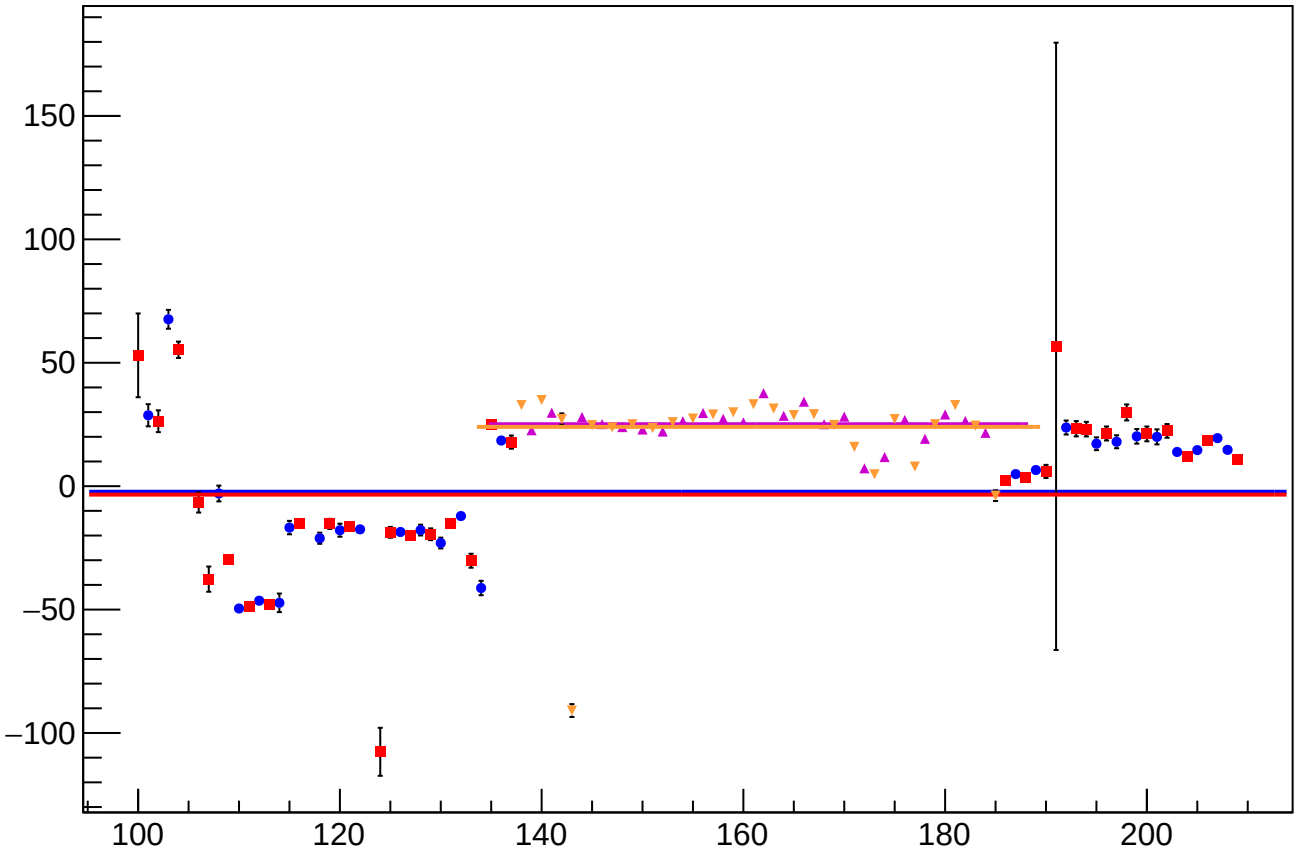
Left: -2.931+/-0.007 χ^2/NDF: 1512952.8/47

Right: 16.571+/-0.016 χ^2/NDF: 1004658.6/58

In: 0.185+/-0.009 χ^2/NDF:1656993.3/49

Out: 0.885+/-0.009 χ^2/NDF:2109834.6/56

All: 0.538+/-0.007 χ^2/NDF: 3769581.3/106



Right In: -2.265+/-0.404 χ^2/NDF: 3559.9/26

Left Out: 24.025+/-0.282 χ^2/NDF:2802.2/24

Right Out: -3.414+/-0.373 χ^2/NDF: 3829.4/31

Left In: 25.089+/-0.287 χ^2/NDF:495.3/22

Left: 24.547+/-0.201 χ^2/NDF: 3304.5/47

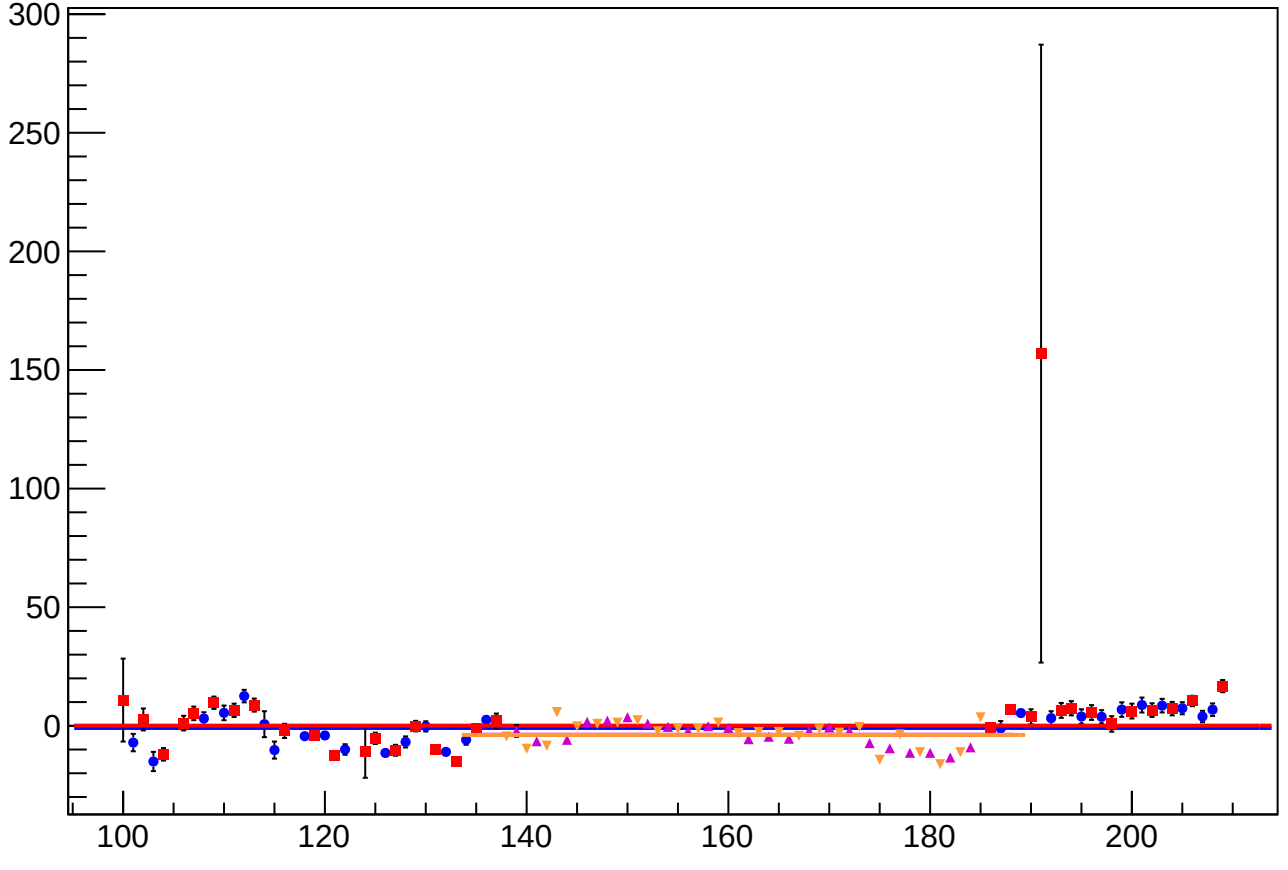
Right: -2.886+/-0.274 χ^2/NDF: 7393.7/58

In: 15.904+/-0.234 χ^2/NDF:7100.9/49

Out: 14.031+/-0.225 χ^2/NDF:10079.5/56

All: 14.930+/-0.162 χ^2/NDF: 17213.6/106

reg_asym_at1_dd_at2_dd_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -0.894+/-0.458 χ^2/NDF: 215.2/26

Left Out: -3.845+/-0.218 χ^2/NDF:649.4/24

Right Out: 0.069+/-0.438 χ^2/NDF: 325.8/31

Left In: -3.780+/-0.224 χ^2/NDF:509.8/22

Left: -3.813+/-0.156 χ^2/NDF: 1159.2/47

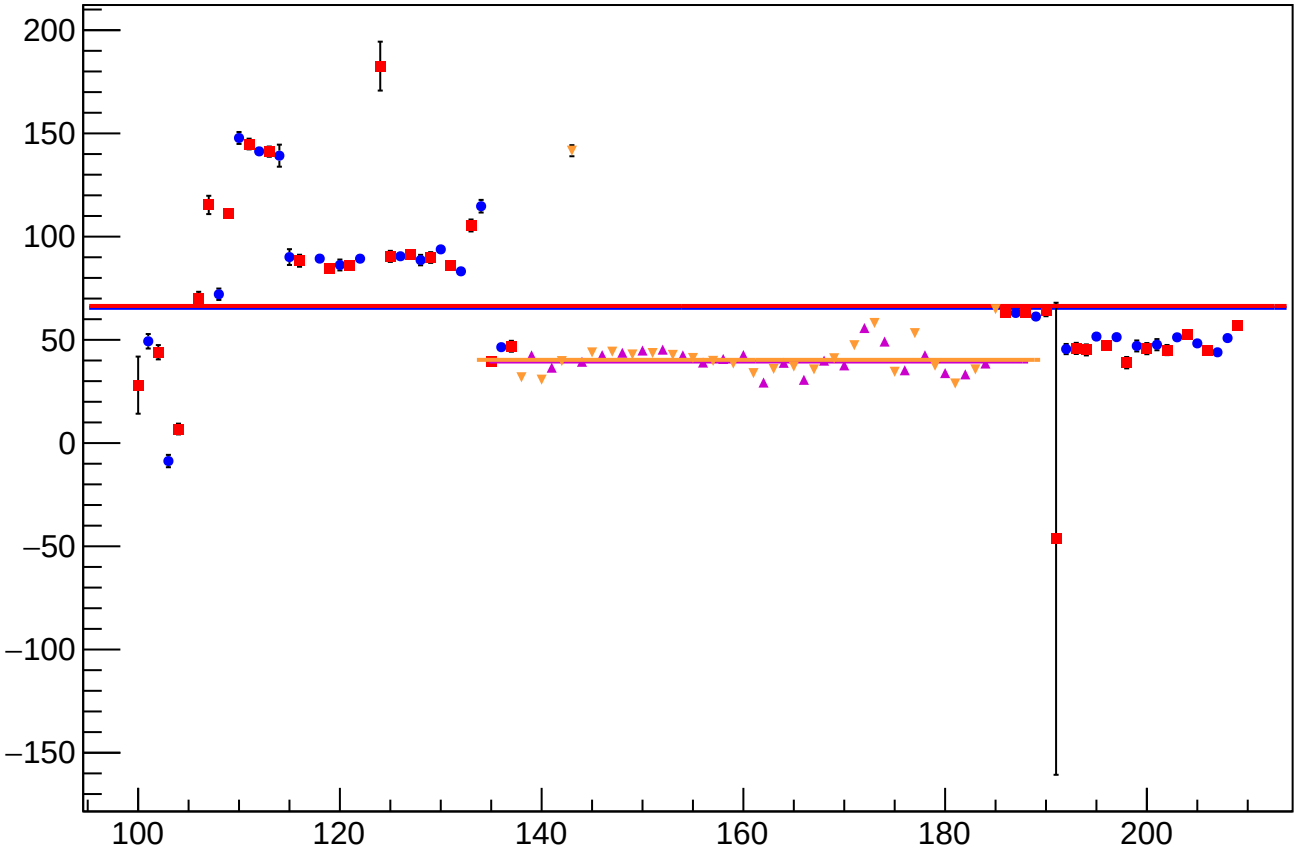
Right: -0.391+/-0.316 χ^2/NDF: 543.3/58

In: -3.225+/-0.201 χ^2/NDF:757.0/49

Out: -3.068+/-0.195 χ^2/NDF:1039.3/56

All: -3.144+/-0.140 χ^2/NDF: 1796.6/106

reg_asym_at1_dd_at2_dd_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 65.520+/-0.413 χ^2/NDF: 4603.8/26

Left Out: 40.315+/-0.280 χ^2/NDF:2182.8/24

Right Out: 66.421+/-0.370 χ^2/NDF: 4799.8/31

Left In: 39.504+/-0.285 χ^2/NDF:432.1/22

Left: 39.916+/-0.200 χ^2/NDF: 2619.0/47

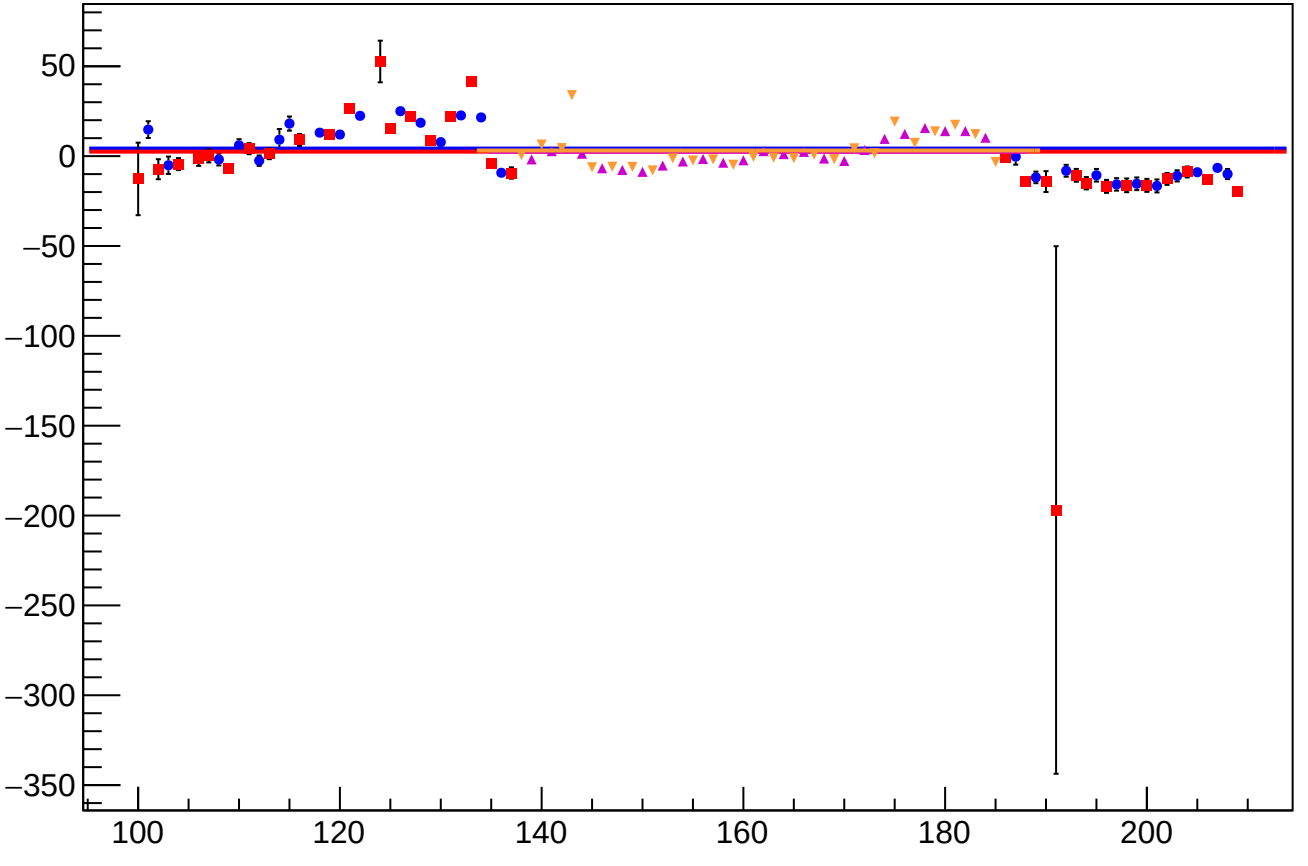
Right: 66.021+/-0.275 χ^2/NDF: 9406.2/58

In: 47.879+/-0.234 χ^2/NDF:7723.7/49

Out: 49.841+/-0.223 χ^2/NDF:10151.2/56

All: 48.908+/-0.162 χ^2/NDF: 17911.6/106

reg_asym_at1_dd_at2_dd_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 4.209+/-0.525 χ^2/NDF: 701.1/26

Left Out: 3.142+/-0.245 χ^2/NDF:1267.0/24

Right Out: 2.493+/-0.515 χ^2/NDF: 959.9/31

Left In: 2.519+/-0.251 χ^2/NDF:968.2/22

Left: 2.837+/-0.175 χ^2/NDF: 2238.3/47

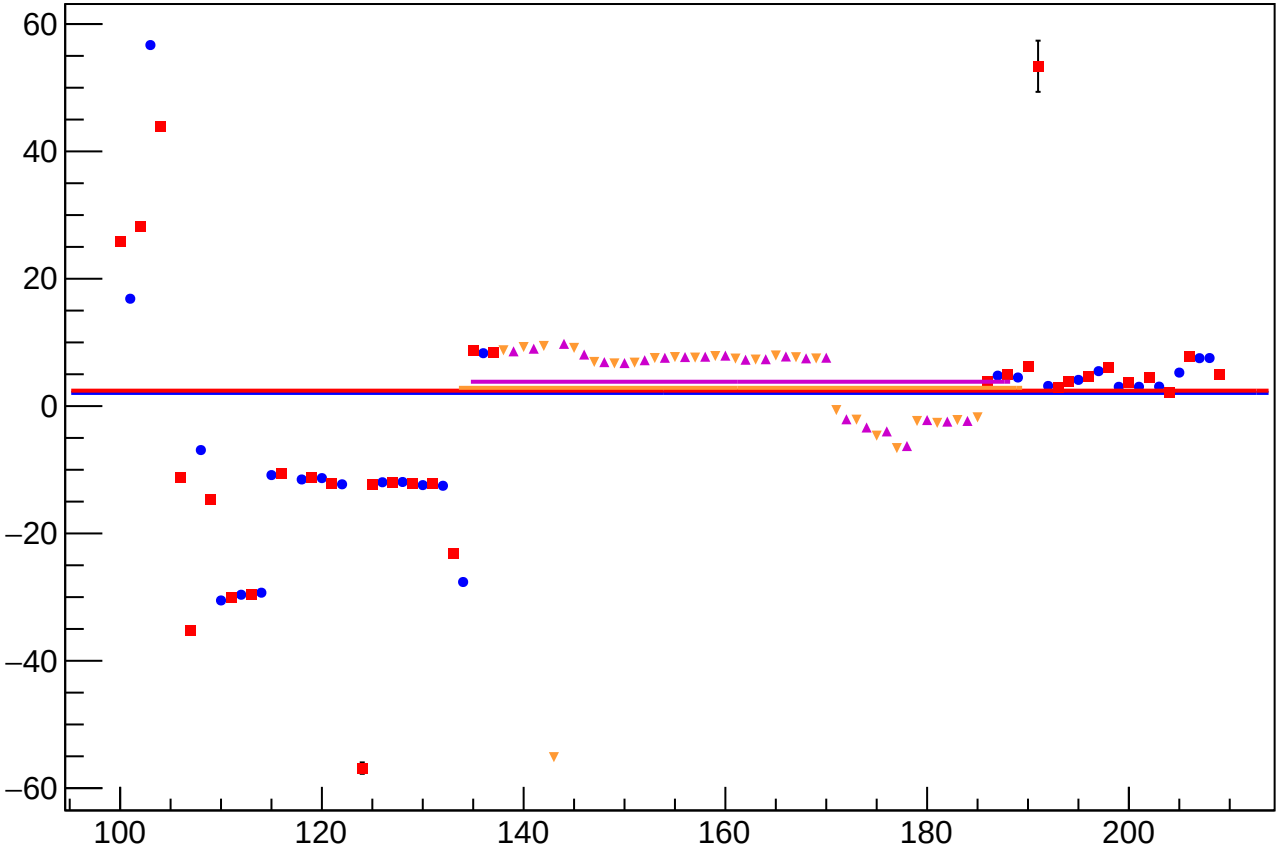
Right: 3.335+/-0.368 χ^2/NDF: 1666.4/58

In: 2.833+/-0.227 χ^2/NDF:1677.7/49

Out: 3.022+/-0.222 χ^2/NDF:2228.2/56

All: 2.929+/-0.158 χ^2/NDF: 3906.2/106

reg_asym_at1_dd_at2_dd_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 2.068+/-0.025 χ^2/NDF: 382350.7/26

Left Out: 2.870+/-0.011 χ^2/NDF:512331.0/24

Right Out: 2.425+/-0.025 χ^2/NDF: 330590.4/31

Left In: 3.825+/-0.011 χ^2/NDF:233224.7/22

Left: 3.343+/-0.008 χ^2/NDF: 749294.8/47

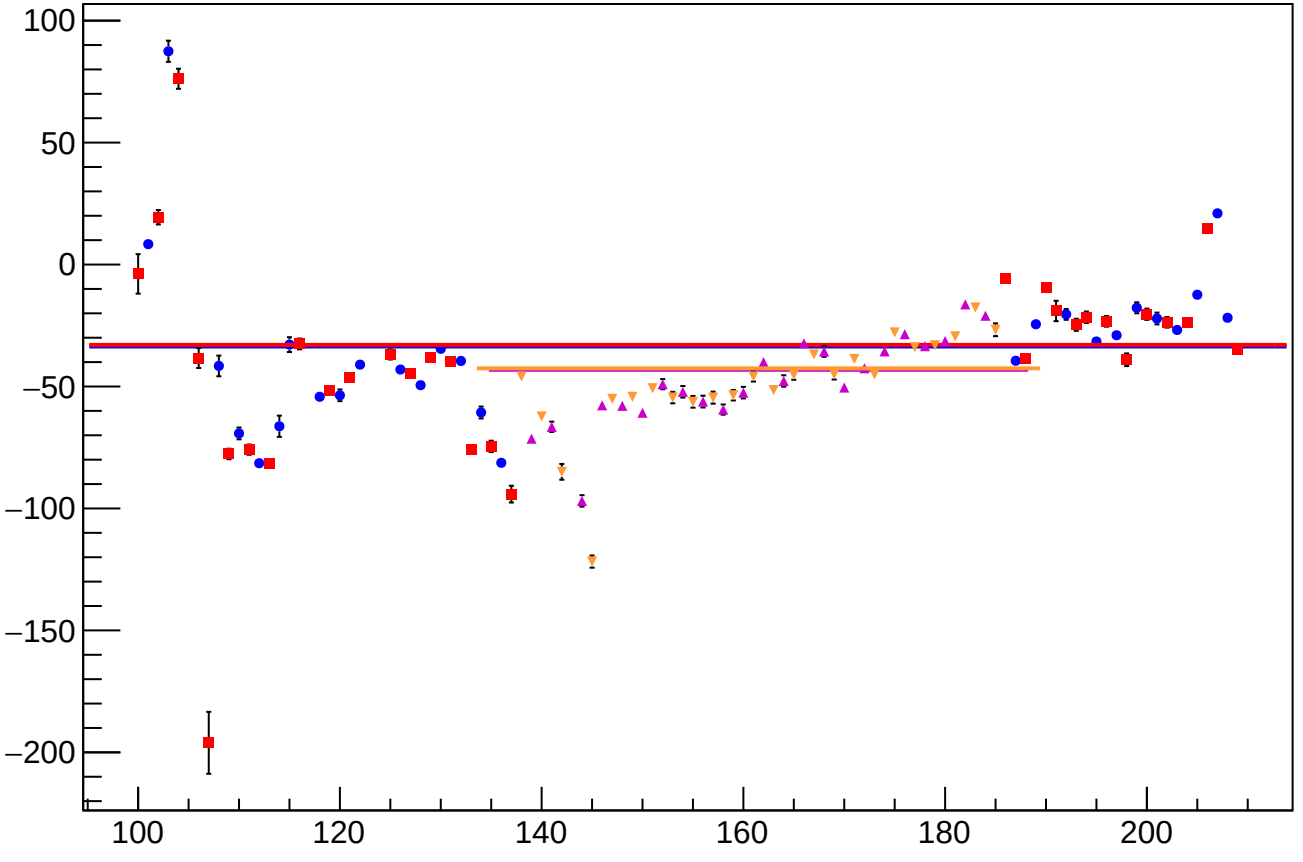
Right: 2.248+/-0.017 χ^2/NDF: 713045.3/58

In: 3.533+/-0.010 χ^2/NDF:619739.3/49

Out: 2.796+/-0.010 χ^2/NDF:843193.8/56

All: 3.161+/-0.007 χ^2/NDF: 1465602.9/106

reg_asym_usl_atl1_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -33.598+/-0.373 χ^2/NDF: 4999.5/26

Left Out: -42.560+/-0.378 χ^2/NDF:2326.4/23

Right Out: -32.936+/-0.334 χ^2/NDF: 6233.0/30

Left In: -43.152+/-0.382 χ^2/NDF:2206.6/22

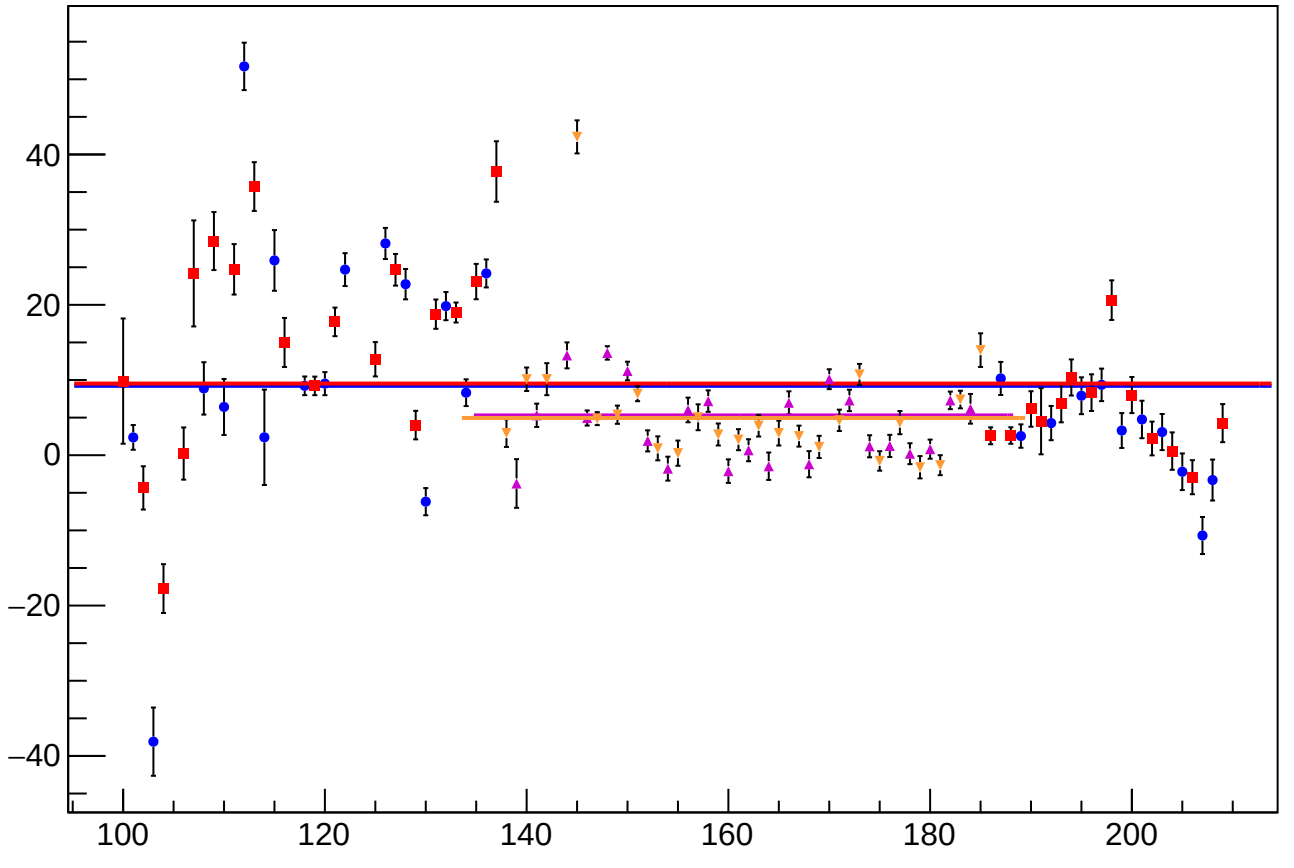
Left: -42.854+/-0.269 χ^2/NDF: 4534.2/46

Right: -33.231+/-0.249 χ^2/NDF: 11234.3/57

In: -38.265+/-0.267 χ^2/NDF:7526.9/49

Out: -37.149+/-0.250 χ^2/NDF:8923.3/54

All: -37.672+/-0.183 χ^2/NDF: 16459.5/104



Right In: 9.230+/-0.412 χ^2/NDF: 822.9/26

Left Out: 4.954+/-0.288 χ^2/NDF:449.1/23

Right Out: 9.528+/-0.385 χ^2/NDF: 613.2/30

Left In: 5.292+/-0.294 χ^2/NDF:286.4/22

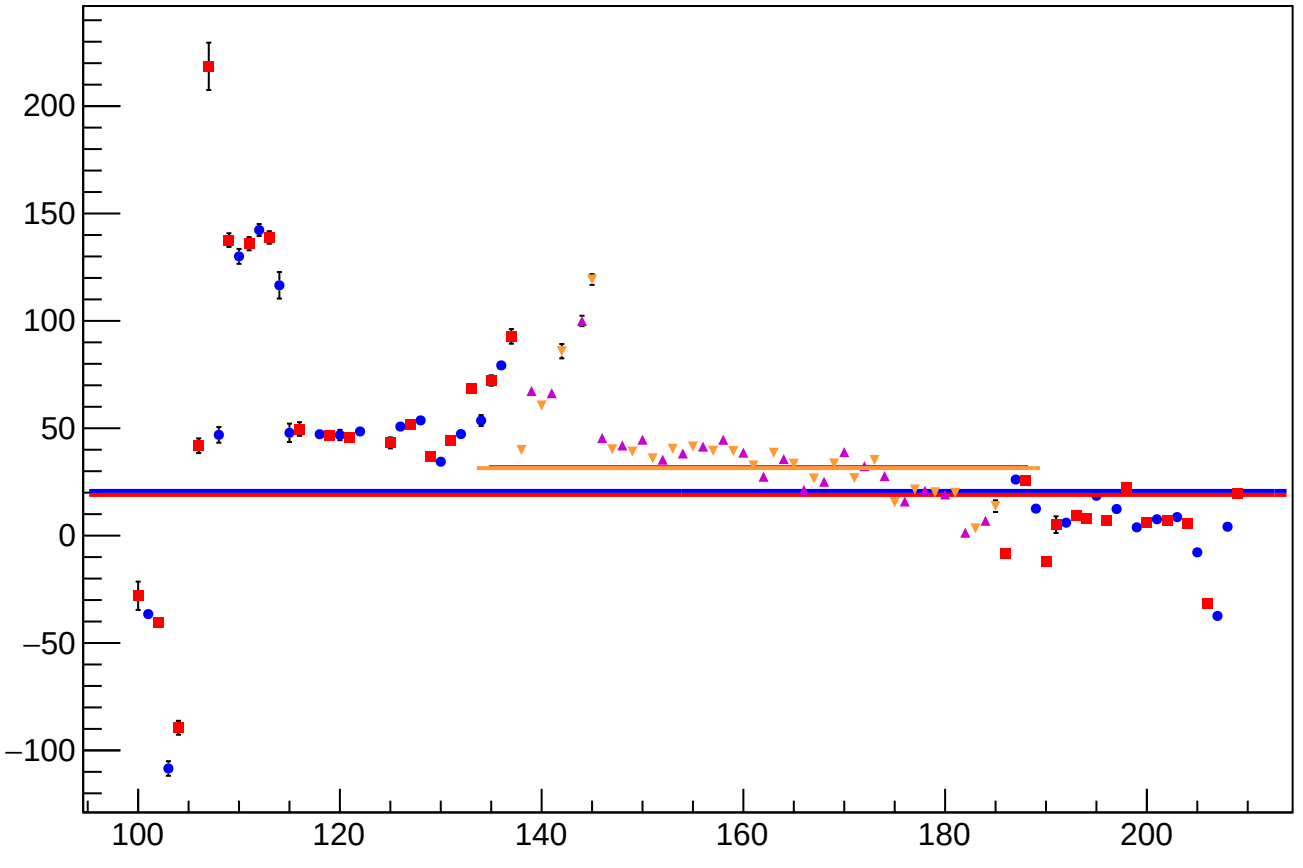
Left: 5.120+/-0.206 χ^2/NDF: 736.1/46

Right: 9.389+/-0.281 χ^2/NDF: 1436.4/57

In: 6.623+/-0.239 χ^2/NDF:1169.8/49

Out: 6.601+/-0.231 χ^2/NDF:1152.8/54

All: 6.612+/-0.166 χ^2/NDF: 2322.7/104



Right In: 20.819+/-0.366 χ^2/NDF: 10703.0/26

Left Out: 31.439+/-0.376 χ^2/NDF:2762.0/23

Right Out: 18.960+/-0.314 χ^2/NDF: 12566.5/30

Left In: 31.895+/-0.378 χ^2/NDF:2767.3/22

Left: 31.665+/-0.266 χ^2/NDF: 5530.0/46

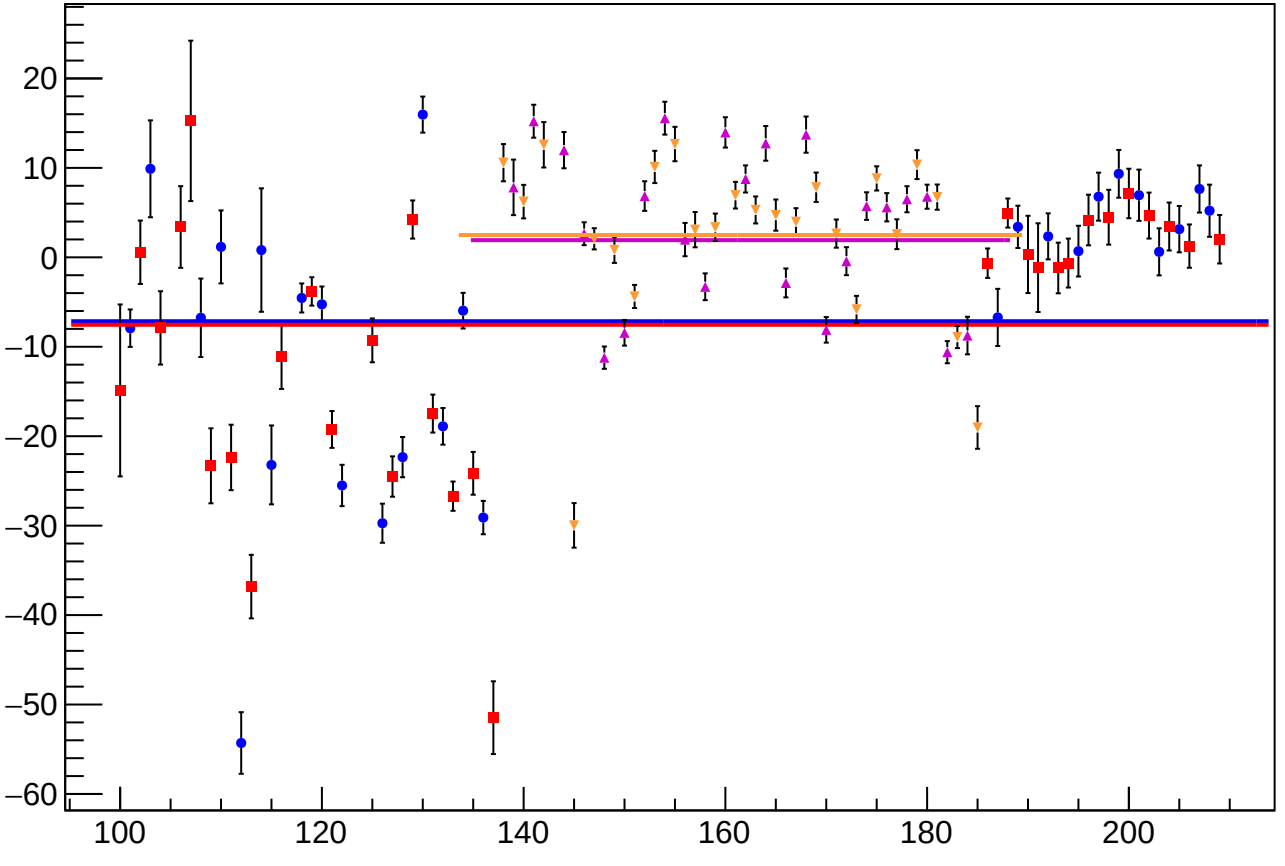
Right: 19.747+/-0.238 χ^2/NDF: 23284.4/57

In: 26.183+/-0.263 χ^2/NDF:13912.8/49

Out: 24.090+/-0.241 χ^2/NDF:15978.8/54

All: 25.043+/-0.178 χ^2/NDF: 29926.1/104

reg_asym_usl_atl1_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -7.143+/-0.483 χ^2/NDF: 942.5/26

Left Out: 2.494+/-0.327 χ^2/NDF:558.7/23

Right Out: -7.541+/-0.466 χ^2/NDF: 785.1/30

Left In: 1.921+/-0.332 χ^2/NDF:678.8/22

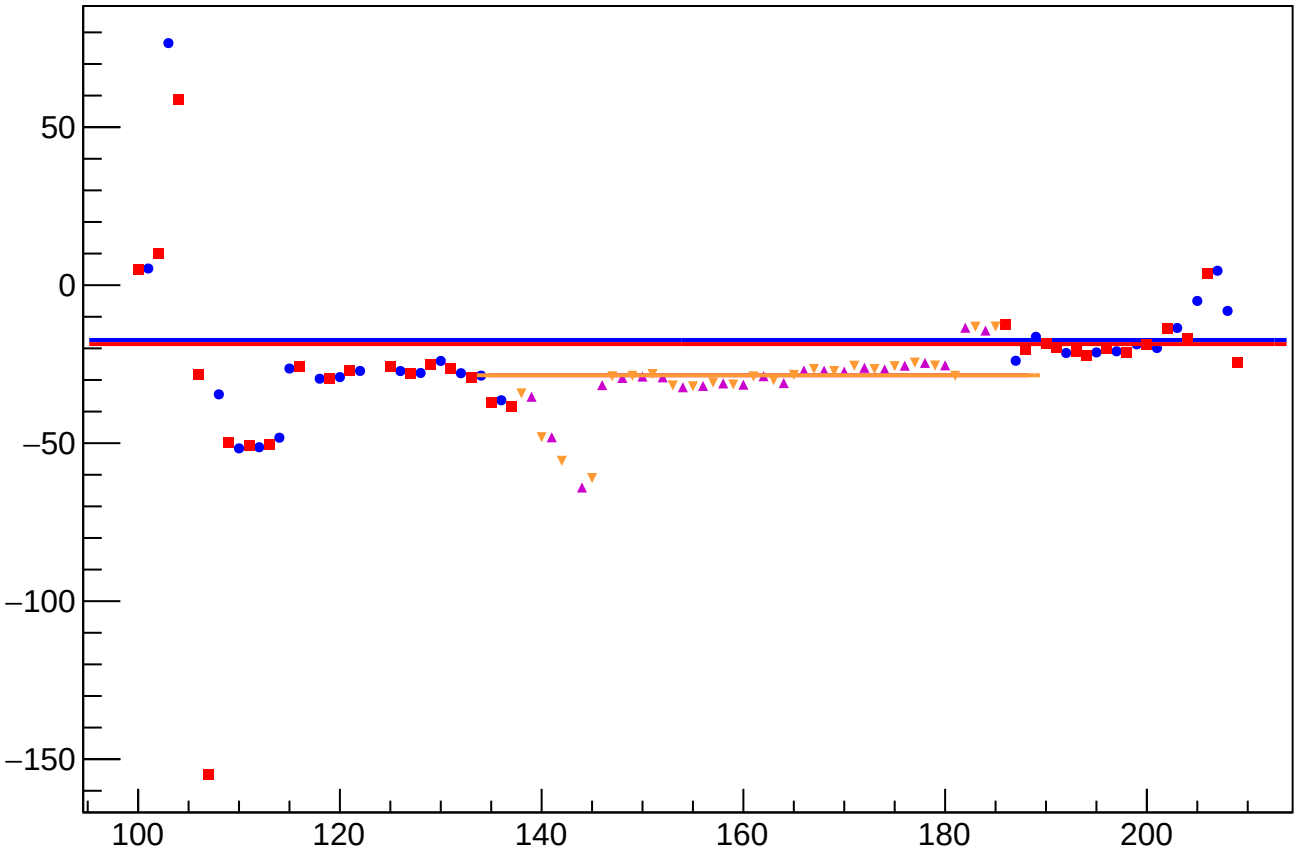
Left: 2.212+/-0.233 χ^2/NDF: 1239.1/46

Right: -7.349+/-0.335 χ^2/NDF: 1727.9/57

In: -0.988+/-0.274 χ^2/NDF:1860.6/49

Out: -0.812+/-0.268 χ^2/NDF:1654.5/54

All: -0.898+/-0.191 χ^2/NDF: 3515.3/104



Right In: -17.342+/-0.022 χ^2/NDF: 726504.4/26

Left Out: -28.513+/-0.015 χ^2/NDF:333774.3/23

Right Out: -18.650+/-0.022 χ^2/NDF: 625353.2/30

Left In: -28.495+/-0.015 χ^2/NDF:287757.4/22

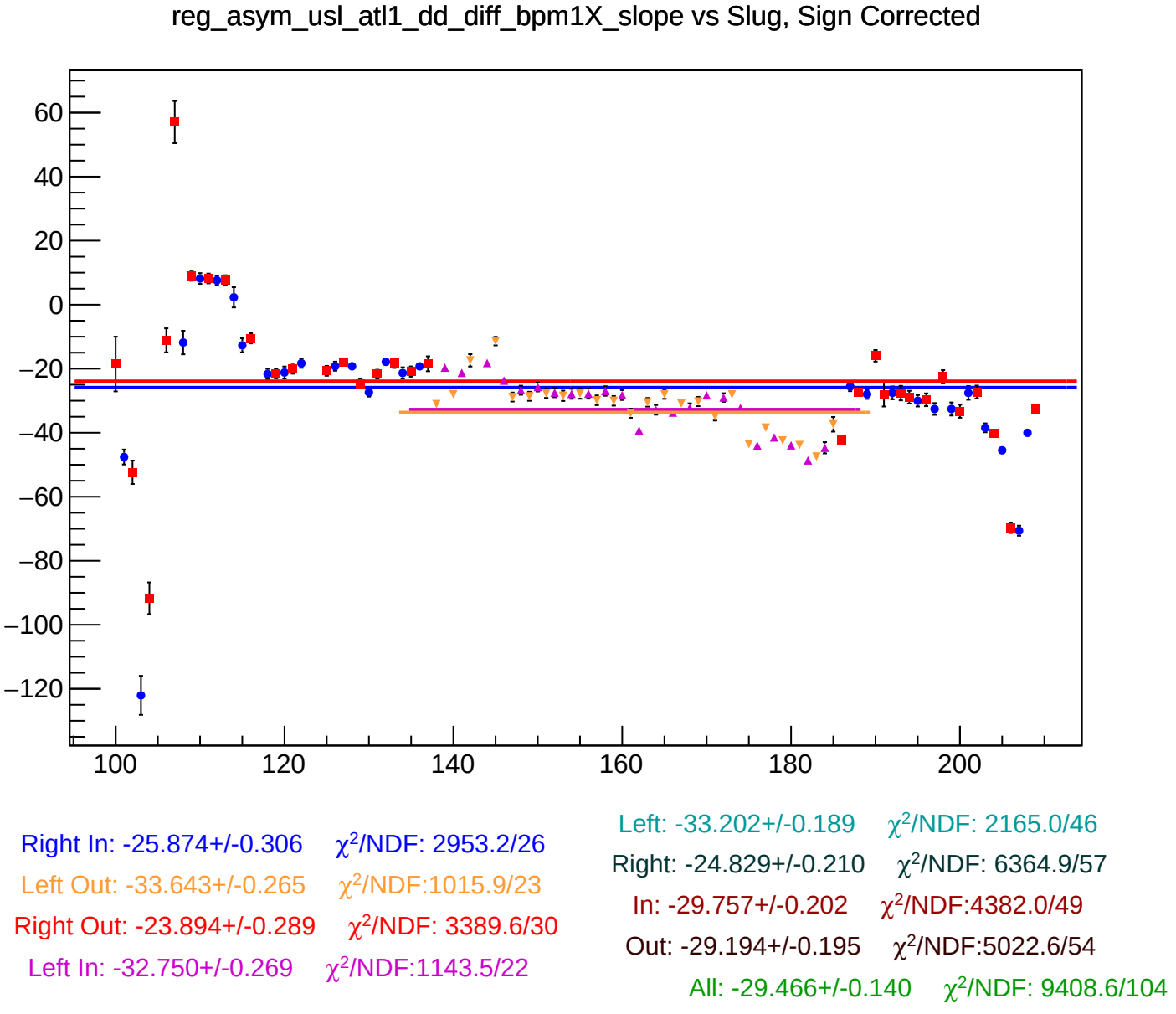
Left: -28.504+/-0.010 χ^2/NDF: 621532.4/46

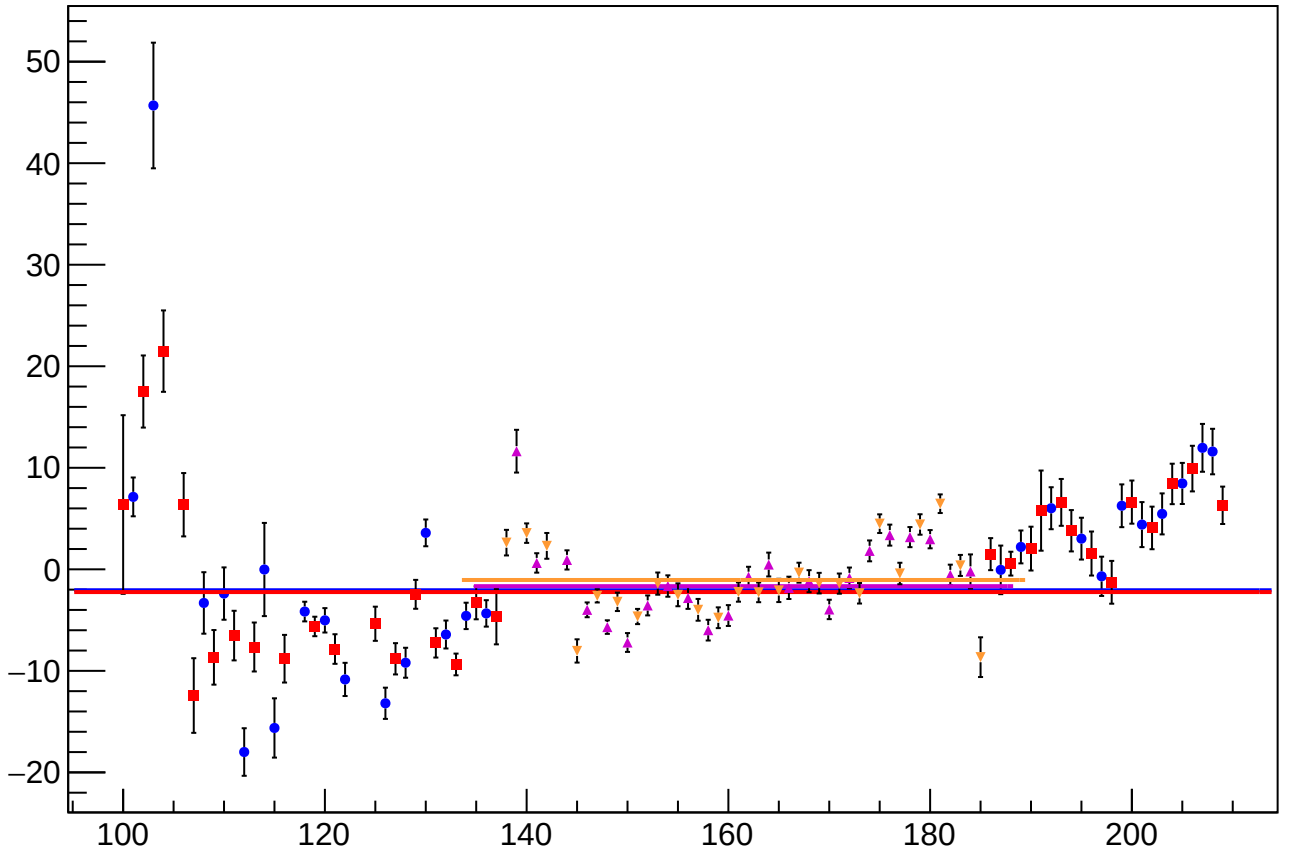
Right: -18.019+/-0.016 χ^2/NDF: 1353607.9/57

In: -25.123+/-0.012 χ^2/NDF:1185765.9/49

Out: -25.392+/-0.012 χ^2/NDF:1100320.4/54

All: -25.260+/-0.009 χ^2/NDF: 2286326.4/104


reg_asym_usl_atl1_dd_diff_bpm1X_slope vs Slug, Sign Corrected
60
40
20
0
−20
−40
−60
−80
−100
−120
100
120
140
160
180
200
Right In: -25.874+/-0.306 χ²/NDF: 2953.2/26
Left Out: -33.643+/-0.265 χ²/NDF:1015.9/23
Right Out: -23.894+/-0.289 χ²/NDF: 3389.6/30
Left In: -32.750+/-0.269 χ²/NDF:1143.5/22
Left: -33.202+/-0.189 χ²/NDF: 2165.0/46
Right: -24.829+/-0.210 χ²/NDF: 6364.9/57
In: -29.757+/-0.202 χ²/NDF:4382.0/49
Out: -29.194+/-0.195 χ²/NDF:5022.6/54
All: -29.466+/-0.140 χ²/NDF: 9408.6/104



Right In: -2.061+/-0.337 χ^2/NDF: 468.6/26

Left Out: -1.050+/-0.203 χ^2/NDF:289.4/23

Right Out: -2.240+/-0.331 χ^2/NDF: 362.5/30

Left In: -1.659+/-0.207 χ^2/NDF:264.4/22

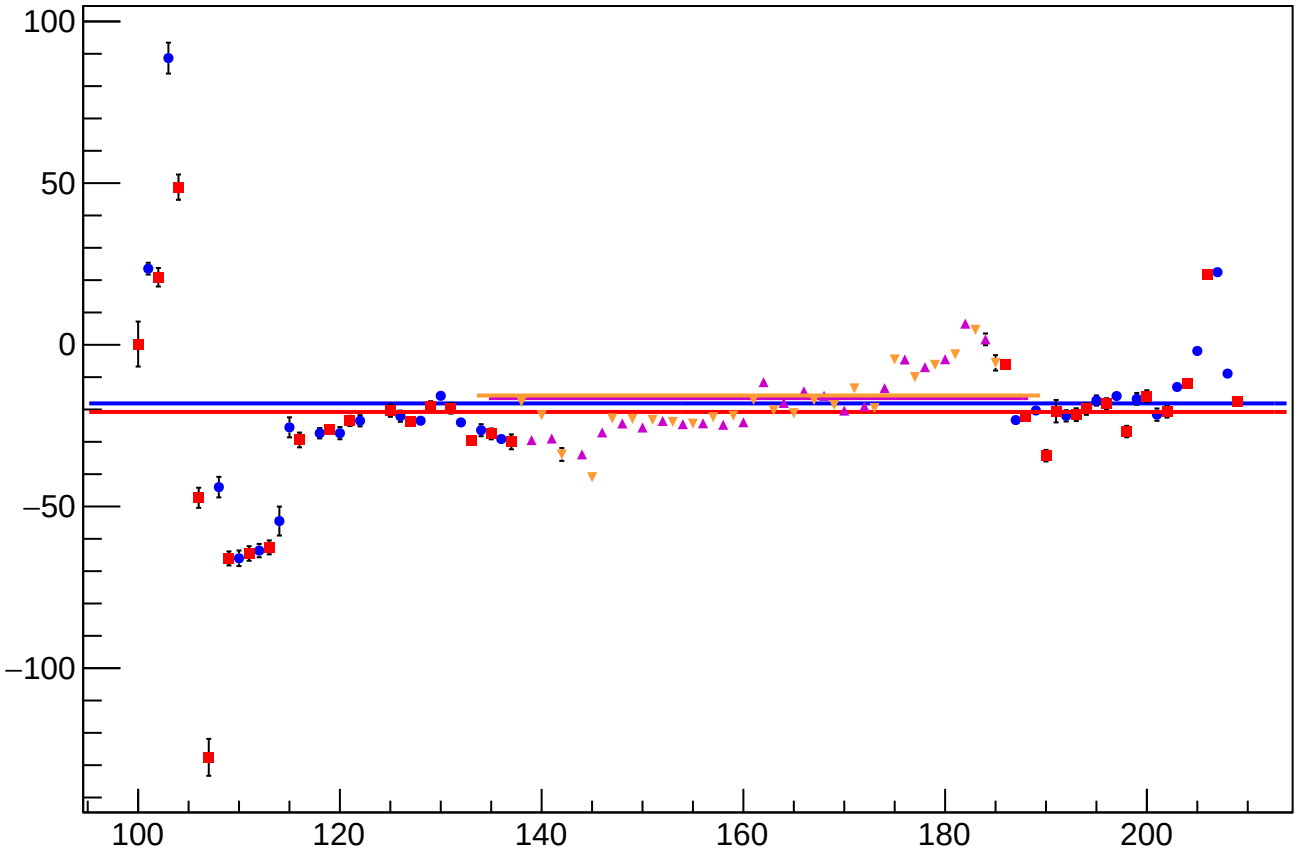
Left: -1.349+/-0.145 χ^2/NDF: 558.2/46

Right: -2.152+/-0.236 χ^2/NDF: 831.3/57

In: -1.769+/-0.176 χ^2/NDF:734.0/49

Out: -1.375+/-0.173 χ^2/NDF:661.4/54

All: -1.568+/-0.123 χ^2/NDF: 1397.9/104



Right In: -18.121+/-0.314 χ^2/NDF: 3259.7/26

Left Out: -15.674+/-0.263 χ^2/NDF:1520.8/23

Right Out: -20.765+/-0.290 χ^2/NDF: 3465.8/30

Left In: -16.480+/-0.266 χ^2/NDF:1697.7/22

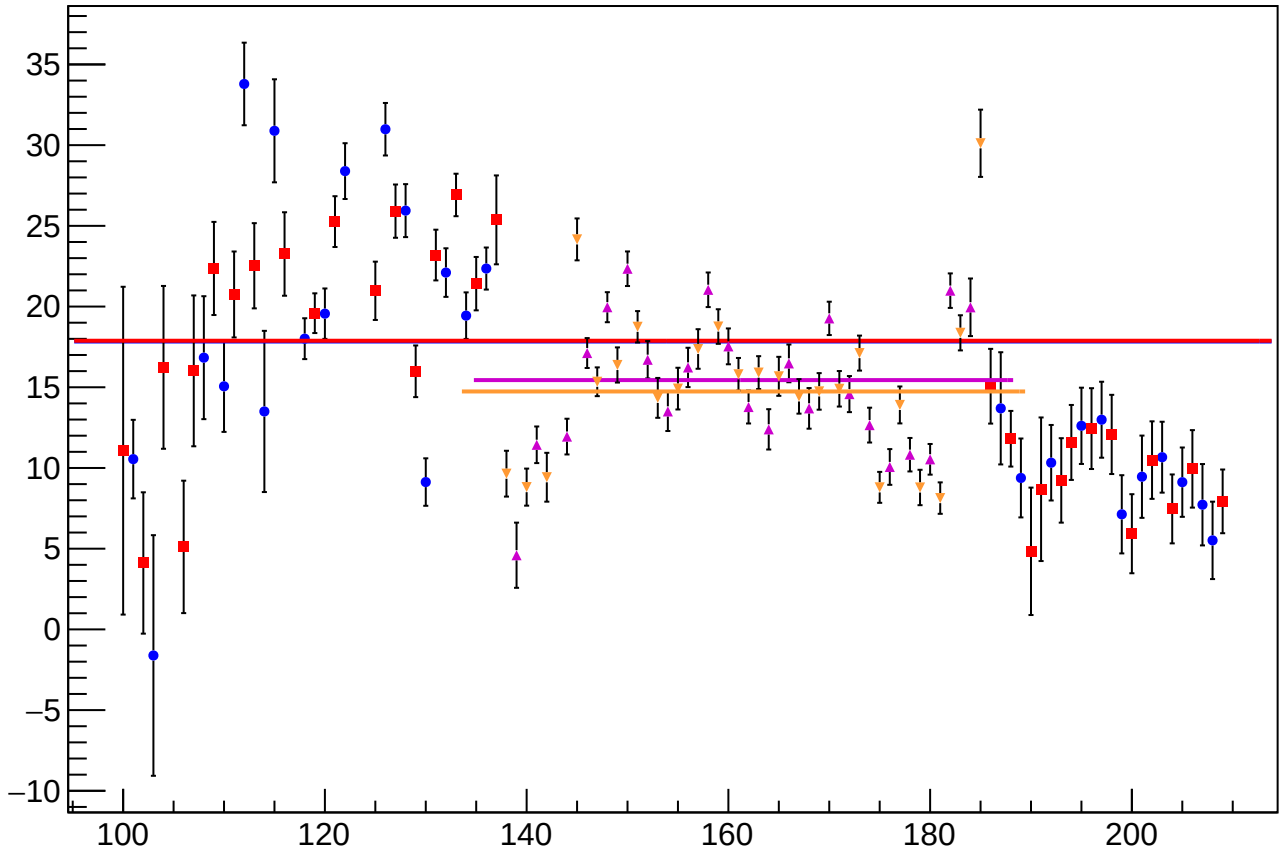
Left: -16.072+/-0.187 χ^2/NDF: 3223.1/46

Right: -19.550+/-0.213 χ^2/NDF: 6763.8/57

In: -17.164+/-0.203 χ^2/NDF:4973.3/49

Out: -17.975+/-0.195 χ^2/NDF:5155.9/54

All: -17.587+/-0.141 χ^2/NDF: 10137.5/104



Right In: 17.836+/-0.388 χ^2/NDF: 390.6/26

Left Out: 14.740+/-0.229 χ^2/NDF:331.0/23

Right Out: 17.882+/-0.388 χ^2/NDF: 304.9/30

Left In: 15.444+/-0.233 χ^2/NDF:290.4/22

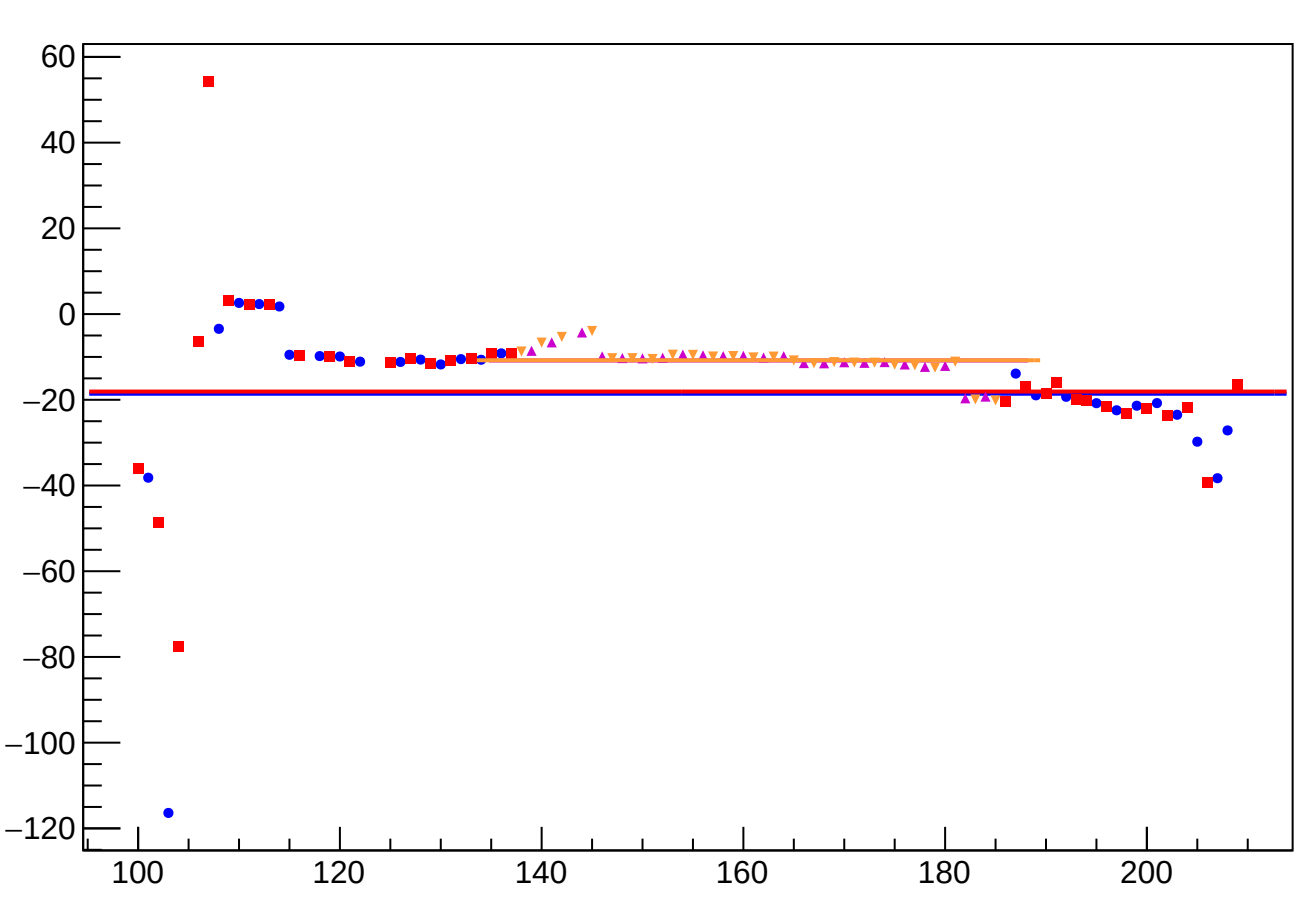
Left: 15.087+/-0.163 χ^2/NDF: 626.0/46

Right: 17.859+/-0.274 χ^2/NDF: 695.6/57

In: 16.078+/-0.200 χ^2/NDF:708.9/49

Out: 15.555+/-0.197 χ^2/NDF:684.5/54

All: 15.813+/-0.140 χ^2/NDF: 1396.9/104



Right In: -18.589+/-0.019 χ^2/NDF: 453748.9/26

Left Out: -10.778+/-0.010 χ^2/NDF:84755.9/23

Right Out: -18.079+/-0.019 χ^2/NDF: 432604.6/30

Left In: -10.834+/-0.010 χ^2/NDF:74113.9/22

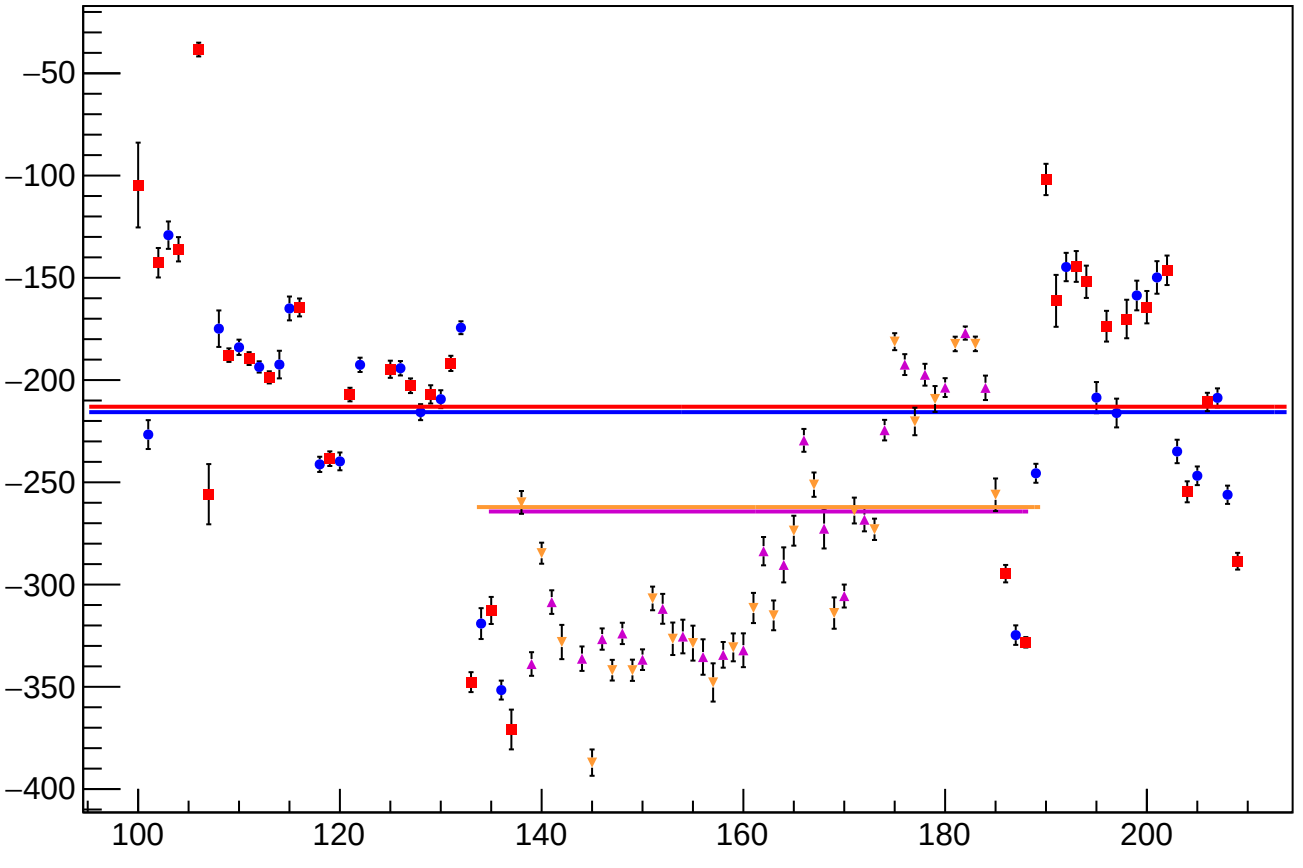
Left: -10.806+/-0.007 χ^2/NDF: 158884.9/46

Right: -18.330+/-0.013 χ^2/NDF: 886716.8/57

In: -12.593+/-0.009 χ^2/NDF:656129.5/49

Out: -12.465+/-0.009 χ^2/NDF:633832.9/54

All: -12.529+/-0.006 χ^2/NDF: 1290062.0/104



Right In: -215.687+/-0.899 χ^2/NDF: 2736.5/26

Left Out: -262.110+/-1.179 χ^2/NDF:2964.6/23

Right Out: -213.037+/-0.822 χ^2/NDF: 7974.4/30

Left In: -264.272+/-1.186 χ^2/NDF:2741.9/22

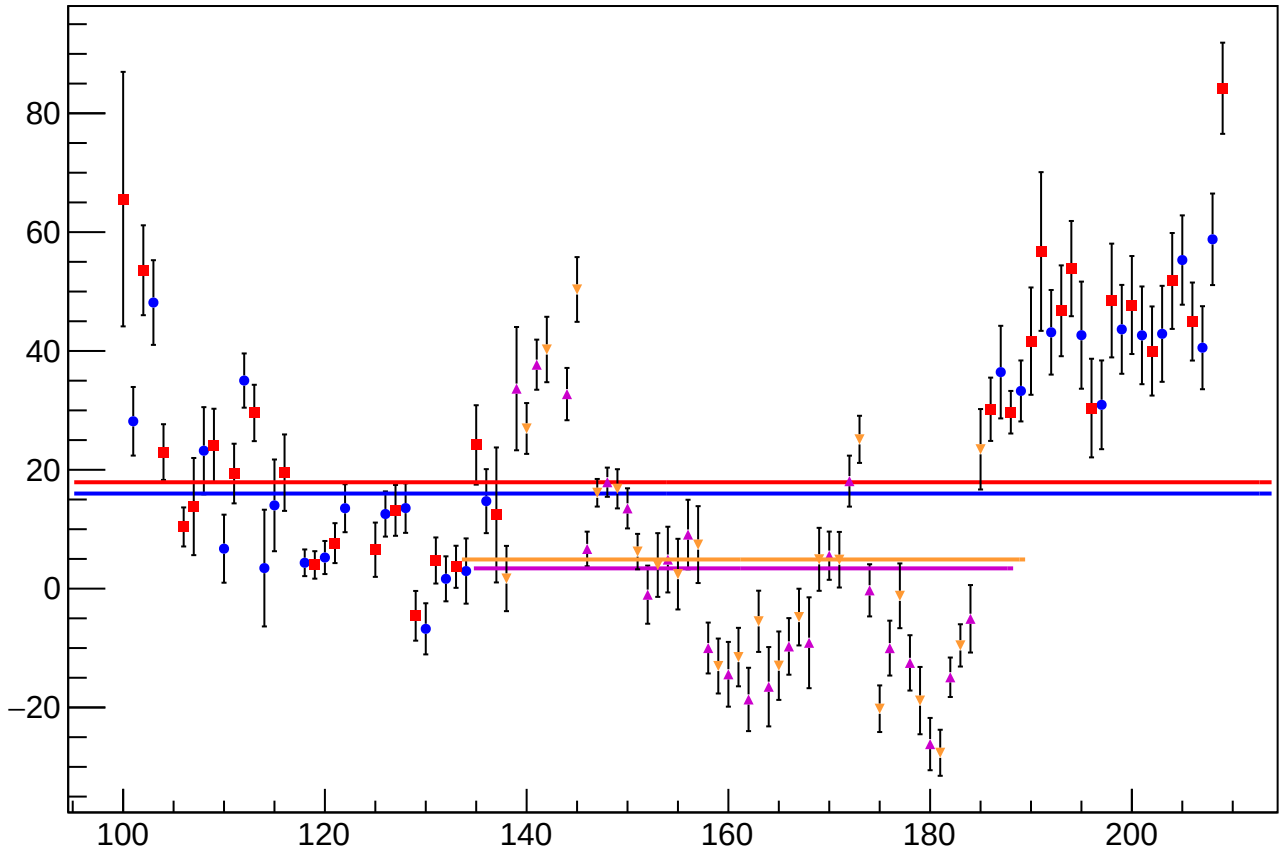
Left: -263.185+/-0.836 χ^2/NDF: 5708.1/46

Right: -214.244+/-0.607 χ^2/NDF: 10715.6/57

In: -233.421+/-0.716 χ^2/NDF:6544.7/49

Out: -229.090+/-0.675 χ^2/NDF:12104.0/54

All: -231.125+/-0.491 χ^2/NDF: 18668.1/104



Right In: 16.003+/-0.959 χ^2/NDF: 290.2/26

Left Out: 4.909+/-0.886 χ^2/NDF:398.9/23

Right Out: 17.904+/-0.915 χ^2/NDF: 361.0/30

Left In: 3.409+/-0.901 χ^2/NDF:333.3/22

Left: 4.171+/-0.632 χ^2/NDF: 733.7/46

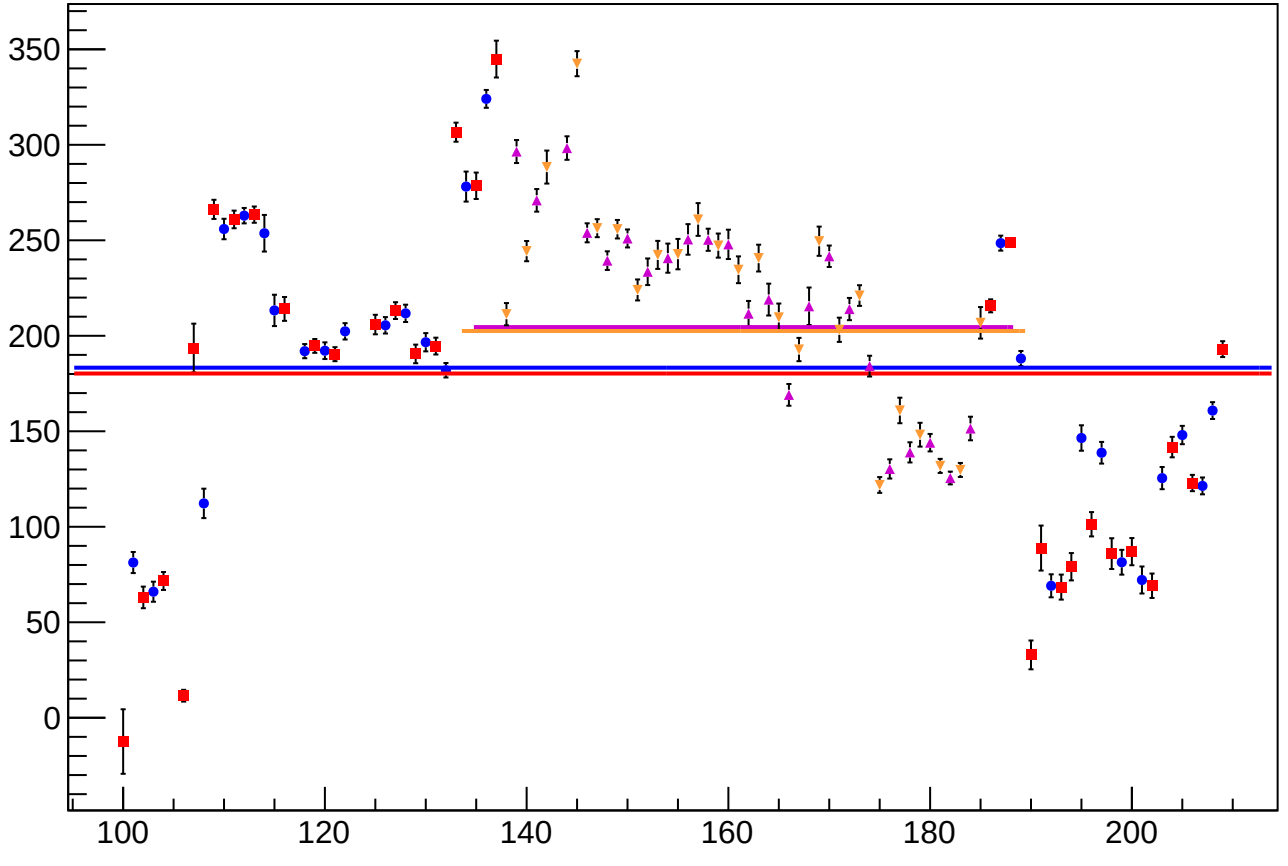
Right: 16.998+/-0.662 χ^2/NDF: 653.2/57

In: 9.315+/-0.656 χ^2/NDF:715.2/49

Out: 11.202+/-0.636 χ^2/NDF:864.0/54

All: 10.288+/-0.457 χ^2/NDF: 1583.5/104

reg_asym_usl_atl2_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 183.301+/-0.955 χ^2/NDF: 4317.2/26

Left Out: 202.511+/-1.173 χ^2/NDF:2393.5/23

Right Out: 180.243+/-0.849 χ^2/NDF: 9497.5/30

Left In: 204.560+/-1.177 χ^2/NDF:2285.7/22

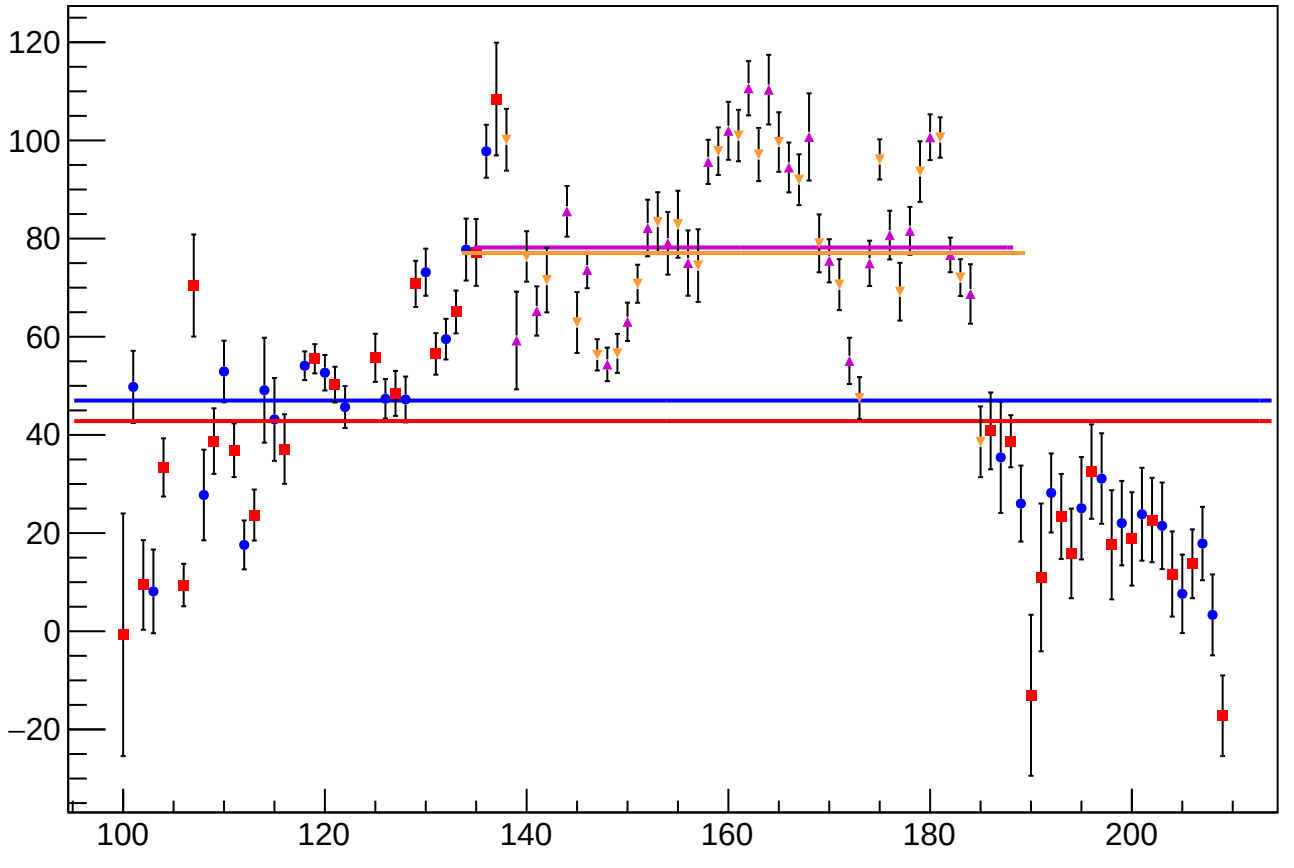
Left: 203.532+/-0.831 χ^2/NDF: 4680.7/46

Right: 181.593+/-0.635 χ^2/NDF: 13820.5/57

In: 191.744+/-0.742 χ^2/NDF:6799.5/49

Out: 187.904+/-0.688 χ^2/NDF:12127.5/54

All: 189.679+/-0.504 χ^2/NDF: 18941.4/104



Right In: 47.005+/-1.121 χ^2/NDF: 332.4/26

Left Out: 77.061+/-1.015 χ^2/NDF:311.3/23

Right Out: 42.823+/-1.081 χ^2/NDF: 394.0/30

Left In: 78.189+/-1.026 χ^2/NDF:232.5/22

Left: 77.619+/-0.721 χ^2/NDF: 544.4/46

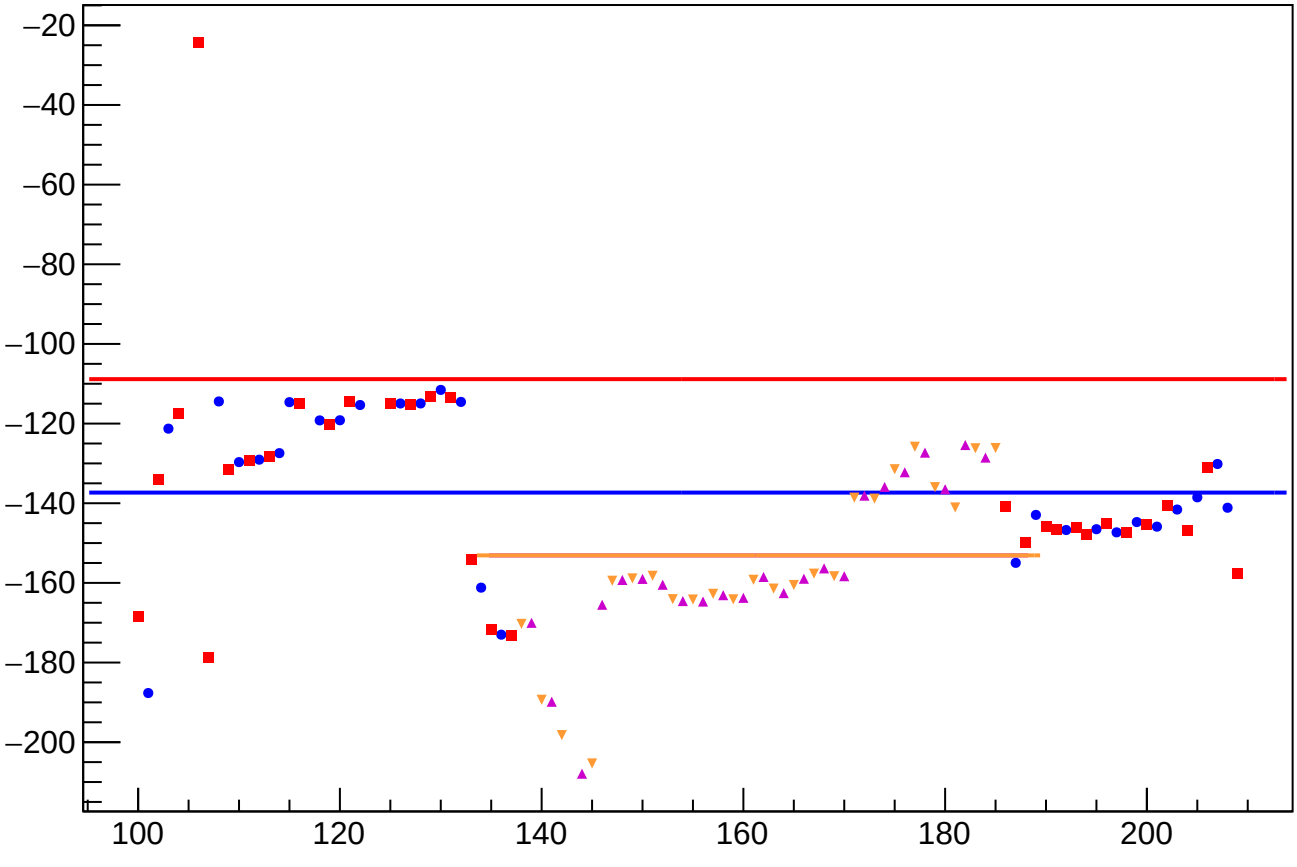
Right: 44.838+/-0.778 χ^2/NDF: 733.6/57

In: 63.984+/-0.757 χ^2/NDF:986.1/49

Out: 61.017+/-0.740 χ^2/NDF:1238.3/54

All: 62.467+/-0.529 χ^2/NDF: 2232.2/104

reg_asym_usl_atl2_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -137.326+/-0.061 χ^2/NDF: 103778.4/26

Left Out: -153.090+/-0.047 χ^2/NDF:177552.0/23

Right Out: -108.842+/-0.052 χ^2/NDF: 1001918.8/30

Left In: -153.103+/-0.047 χ^2/NDF:166644.2/22

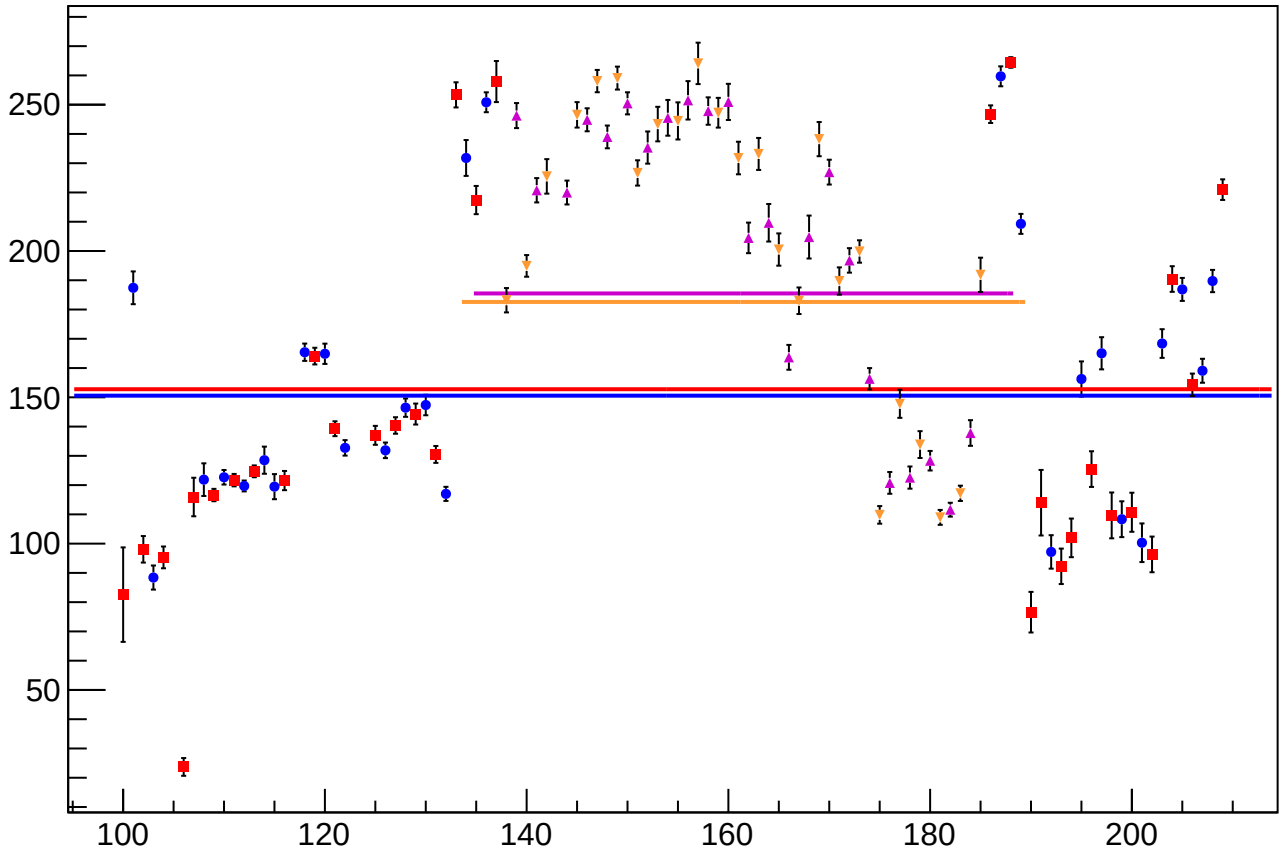
Left: -153.097+/-0.033 χ^2/NDF: 344196.2/46

Right: -120.691+/-0.039 χ^2/NDF: 1232731.4/57

In: -147.292+/-0.037 χ^2/NDF:312576.0/49

Out: -133.040+/-0.035 χ^2/NDF:1582489.6/54

All: -139.696+/-0.025 χ^2/NDF: 1973871.0/10



Right In: 150.565+/-0.678 χ^2/NDF: 3884.5/26

Left Out: 182.591+/-0.866 χ^2/NDF:4152.3/23

Right Out: 152.765+/-0.615 χ^2/NDF: 9841.5/30

Left In: 185.497+/-0.872 χ^2/NDF:3822.2/22

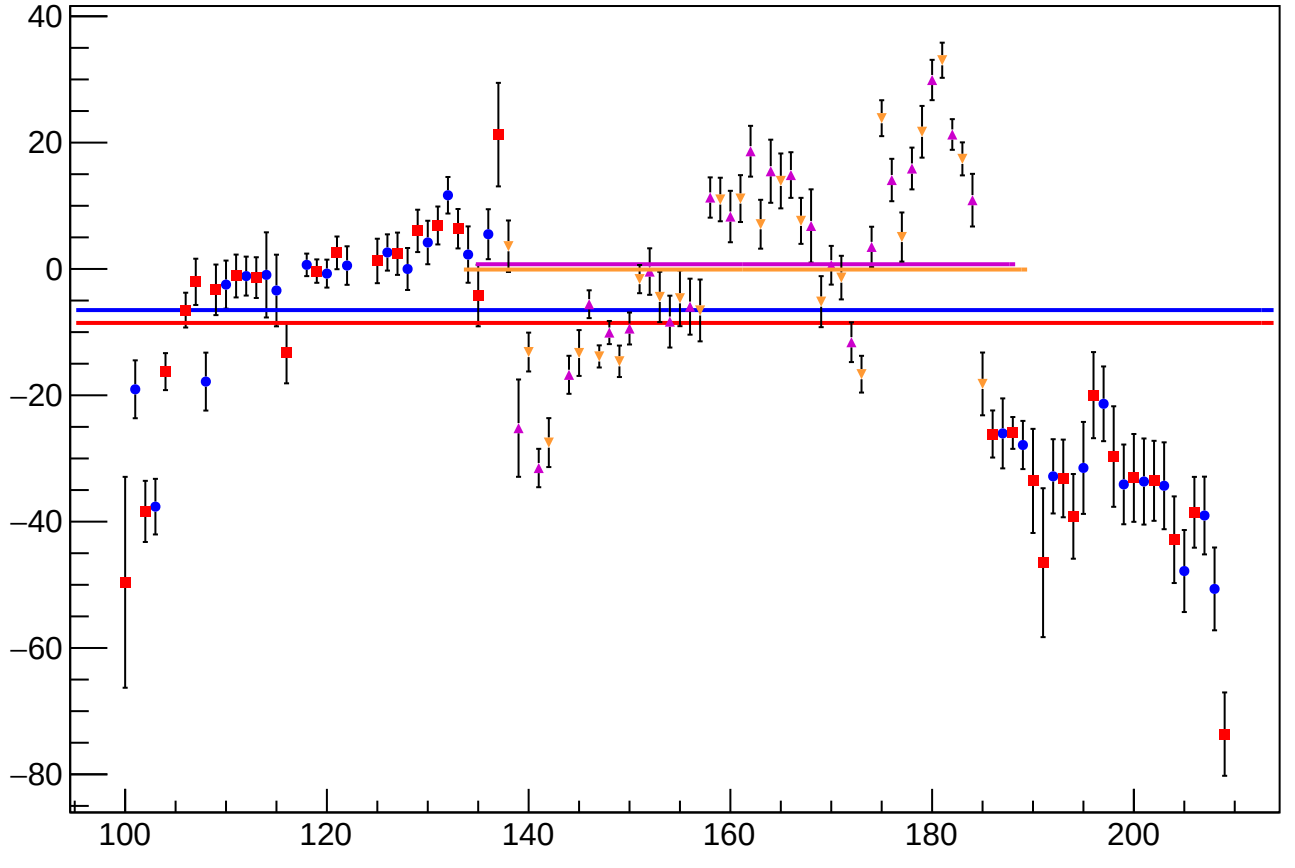
Left: 184.033+/-0.615 χ^2/NDF: 7980.1/46

Right: 151.772+/-0.456 χ^2/NDF: 13731.7/57

In: 163.728+/-0.536 χ^2/NDF:8705.8/49

Out: 162.768+/-0.501 χ^2/NDF:14782.3/54

All: 163.217+/-0.366 χ^2/NDF: 23489.8/104



Right In: -6.511+/-0.735 χ^2/NDF: 420.2/26

Left Out: -0.092+/-0.655 χ^2/NDF:555.3/23

Right Out: -8.545+/-0.692 χ^2/NDF: 521.2/30

Left In: 0.747+/-0.665 χ^2/NDF:497.8/22

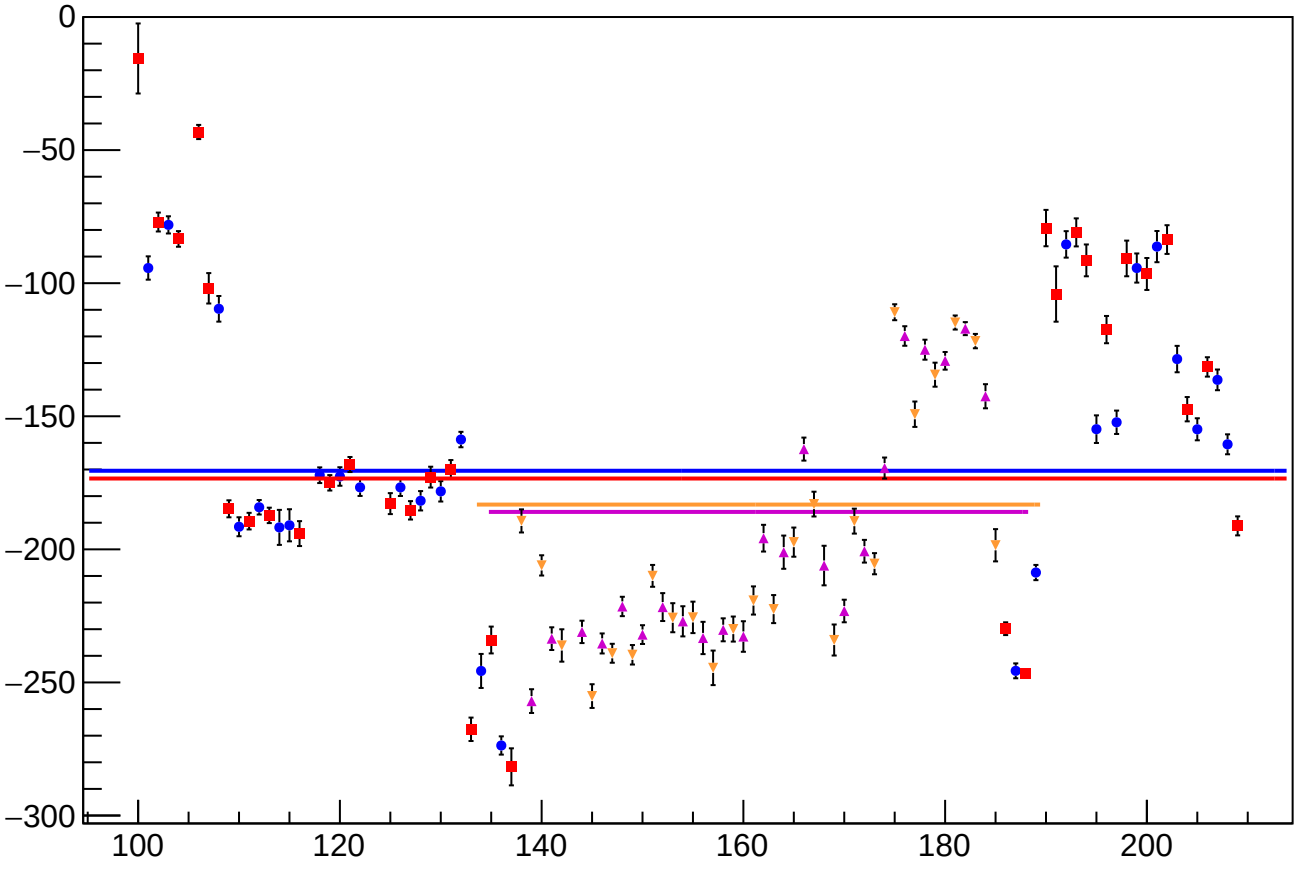
Left: 0.320+/-0.467 χ^2/NDF: 1053.9/46

Right: -7.590+/-0.504 χ^2/NDF: 945.4/57

In: -2.520+/-0.493 χ^2/NDF:971.5/49

Out: -4.084+/-0.476 χ^2/NDF:1155.2/54

All: -3.331+/-0.342 χ^2/NDF: 2131.9/104



Right In: -170.473+/-0.727 χ^2/NDF: 4233.0/26

Left Out: -183.175+/-0.862 χ^2/NDF:3361.2/23

Right Out: -173.387+/-0.638 χ^2/NDF: 10021.2/30

Left In: -185.936+/-0.867 χ^2/NDF:3181.6/22

Left: -184.548+/-0.611 χ^2/NDF: 6547.8/46

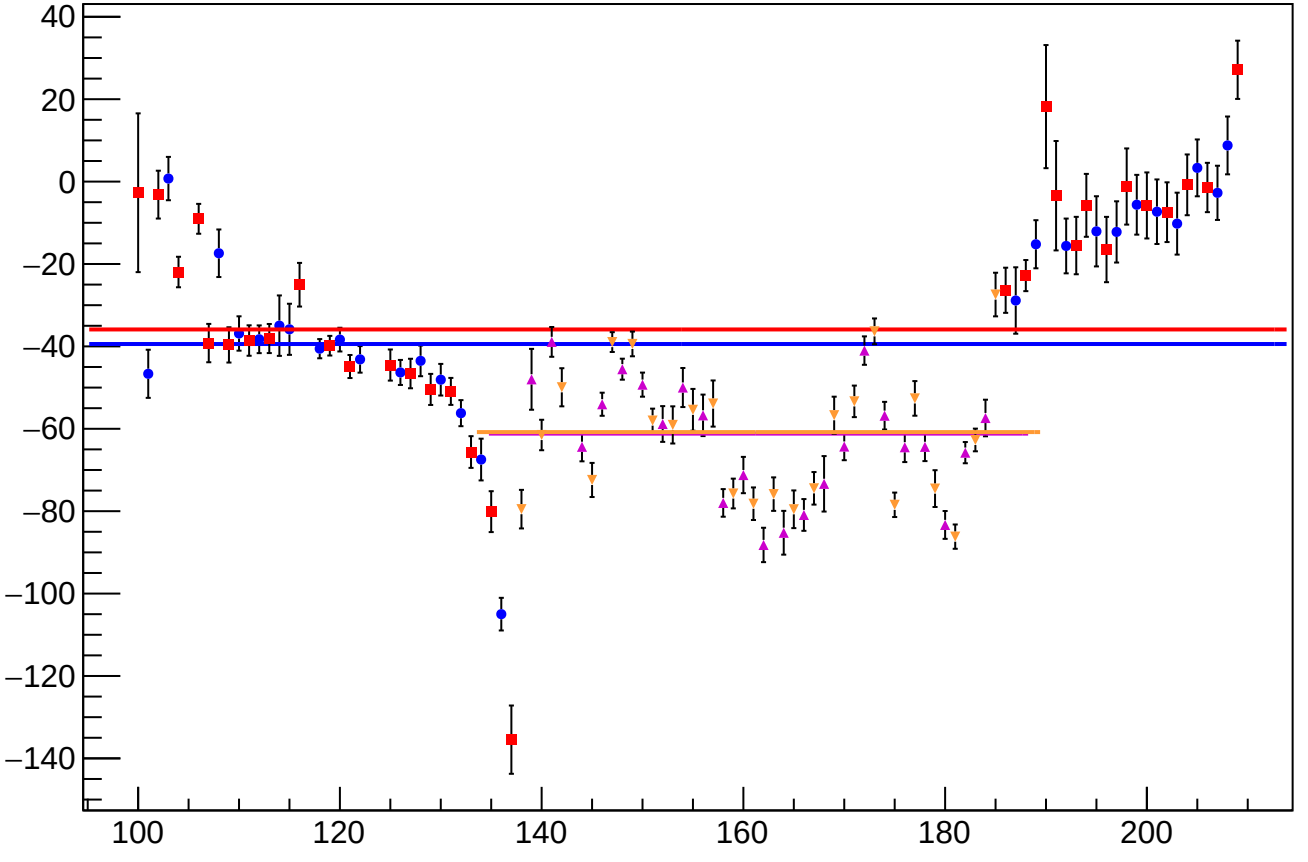
Right: -172.119+/-0.479 χ^2/NDF: 14263.4/57

In: -176.853+/-0.557 χ^2/NDF:7601.5/49

Out: -176.849+/-0.513 χ^2/NDF:13465.7/54

All: -176.851+/-0.377 χ^2/NDF: 21067.1/104

reg_asym_usl_atl2_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -39.424+/-0.859 χ^2/NDF: 647.1/26

Left Out: -60.801+/-0.749 χ^2/NDF:474.0/23

Right Out: -35.888+/-0.819 χ^2/NDF: 700.0/30

Left In: -61.172+/-0.757 χ^2/NDF:316.9/22

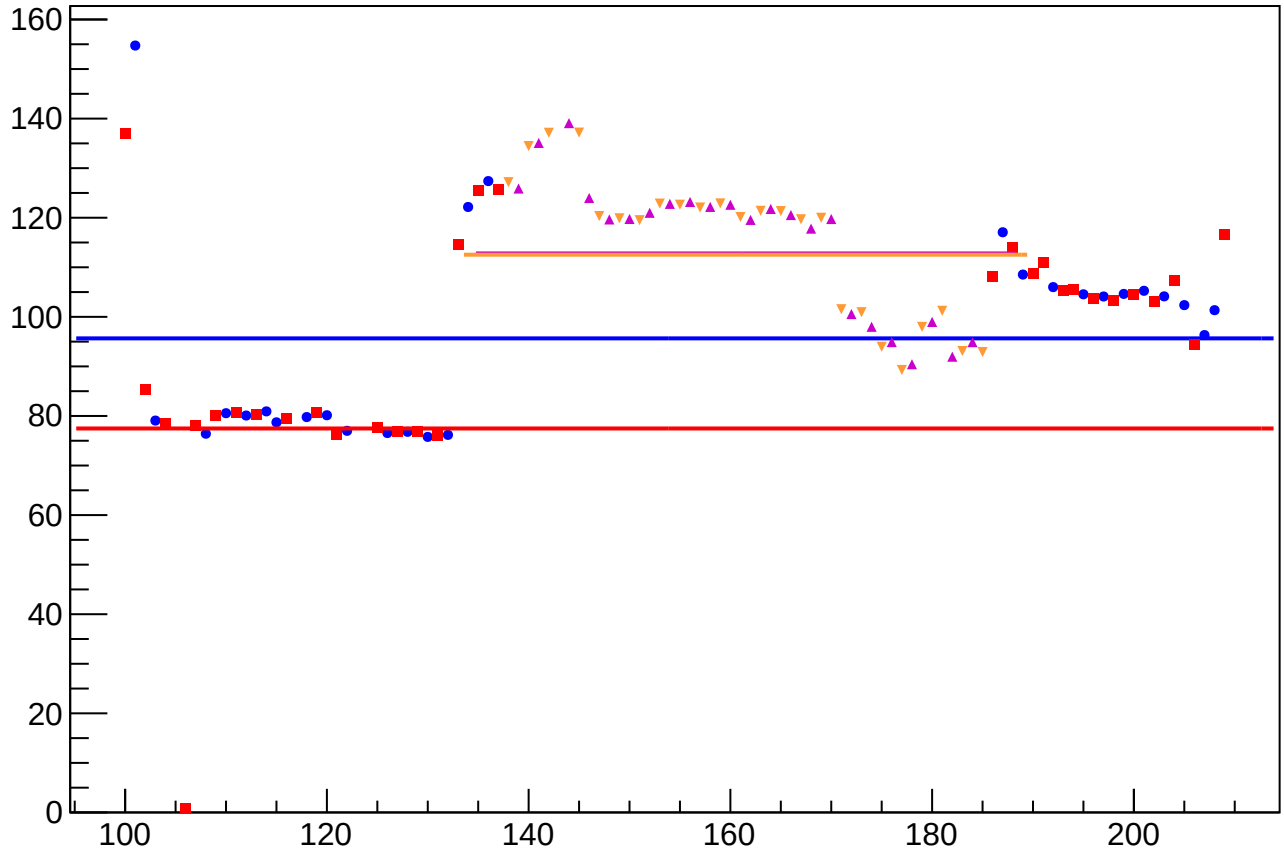
Left: -60.984+/-0.532 χ^2/NDF: 791.1/46

Right: -37.572+/-0.593 χ^2/NDF: 1356.0/57

In: -51.672+/-0.568 χ^2/NDF:1324.7/49

Out: -49.463+/-0.553 χ^2/NDF:1677.6/54

All: -50.537+/-0.396 χ^2/NDF: 3010.1/104



Right In: 95.657+/-0.047 χ^2/NDF: 183063.8/26

Left Out: 112.539+/-0.035 χ^2/NDF:174512.4/23

Right Out: 77.477+/-0.041 χ^2/NDF: 897416.6/30

Left In: 112.795+/-0.034 χ^2/NDF:171662.8/22

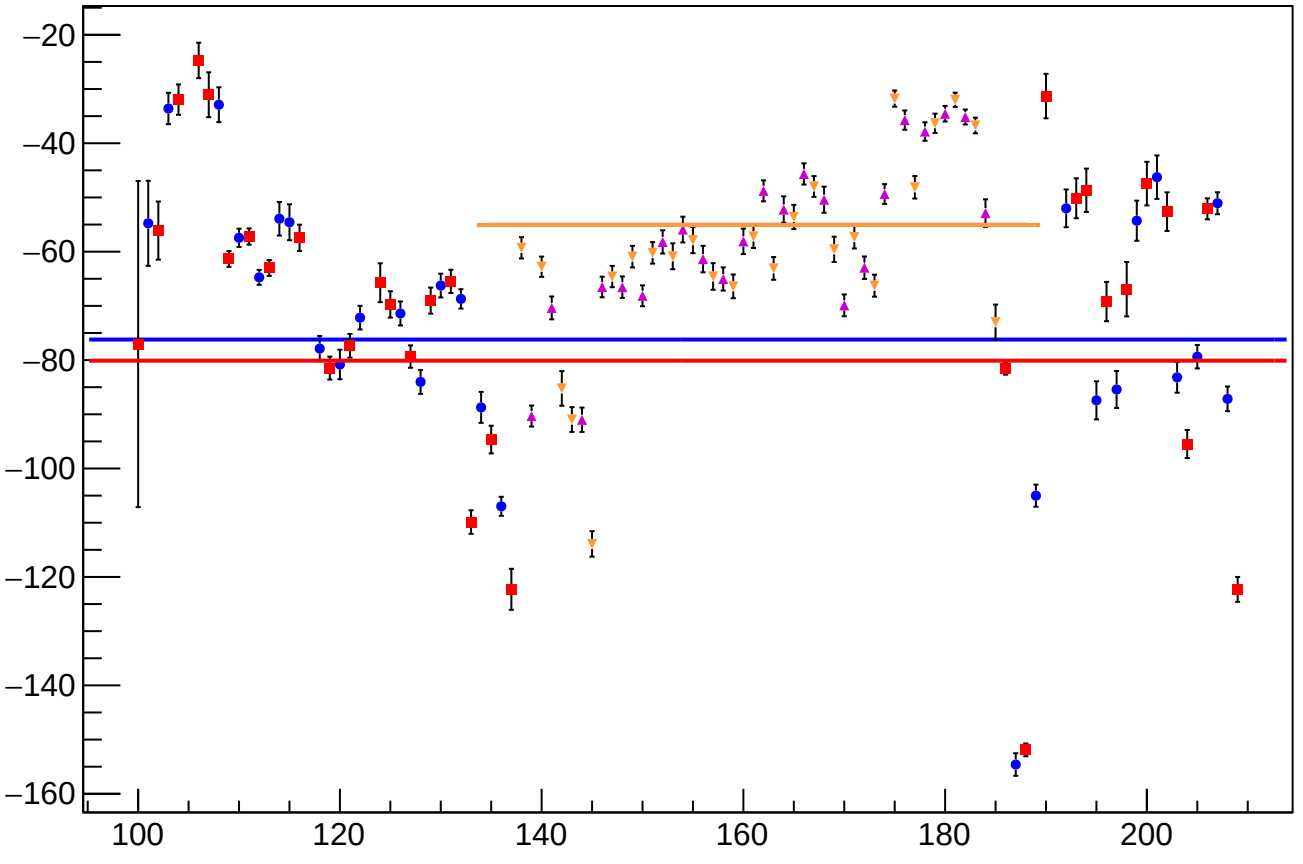
Left: 112.667+/-0.024 χ^2/NDF: 346202.6/46

Right: 85.311+/-0.031 χ^2/NDF: 1166843.0/57

In: 106.754+/-0.028 χ^2/NDF:442047.9/49

Out: 97.800+/-0.026 χ^2/NDF:1504036.0/54

All: 102.048+/-0.019 χ^2/NDF: 2000966.9/104



Right In: -76.209+/-0.454 χ^2/NDF: 3043.6/26

Left Out: -55.077+/-0.401 χ^2/NDF:2002.8/24

Right Out: -80.108+/-0.405 χ^2/NDF: 6511.3/30

Left In: -55.050+/-0.410 χ^2/NDF:1541.8/22

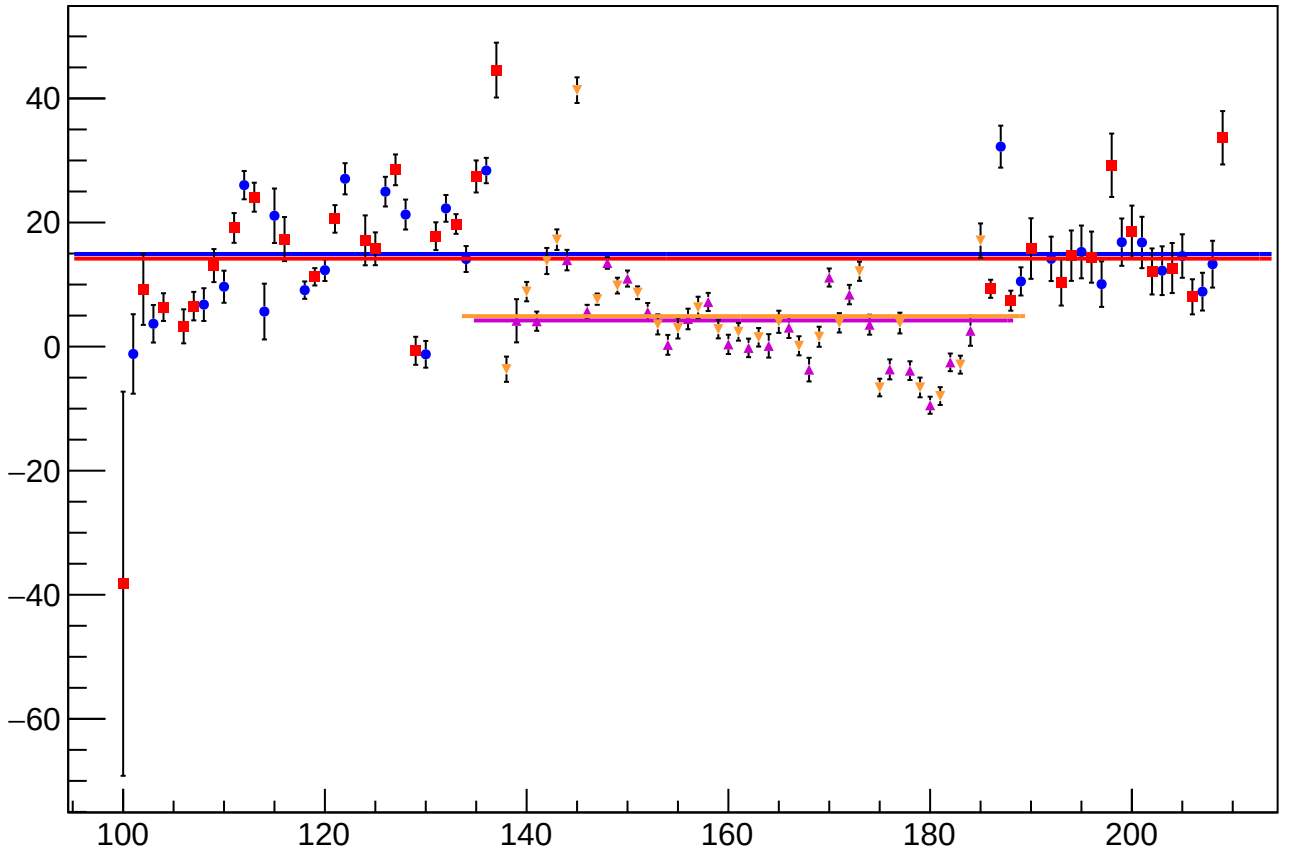
Left: -55.064+/-0.287 χ^2/NDF: 3544.6/47

Right: -78.381+/-0.302 χ^2/NDF: 9595.9/57

In: -64.559+/-0.305 χ^2/NDF:5779.6/49

Out: -67.454+/-0.285 χ^2/NDF:10445.1/55

All: -66.104+/-0.208 χ^2/NDF: 16273.0/105



Right In: 14.929+/-0.506 χ^2/NDF: 279.4/26

Left Out: 4.910+/-0.301 χ^2/NDF:741.5/24

Right Out: 14.183+/-0.461 χ^2/NDF: 310.2/30

Left In: 4.215+/-0.312 χ^2/NDF:415.1/22

Left: 4.575+/-0.217 χ^2/NDF: 1159.1/47

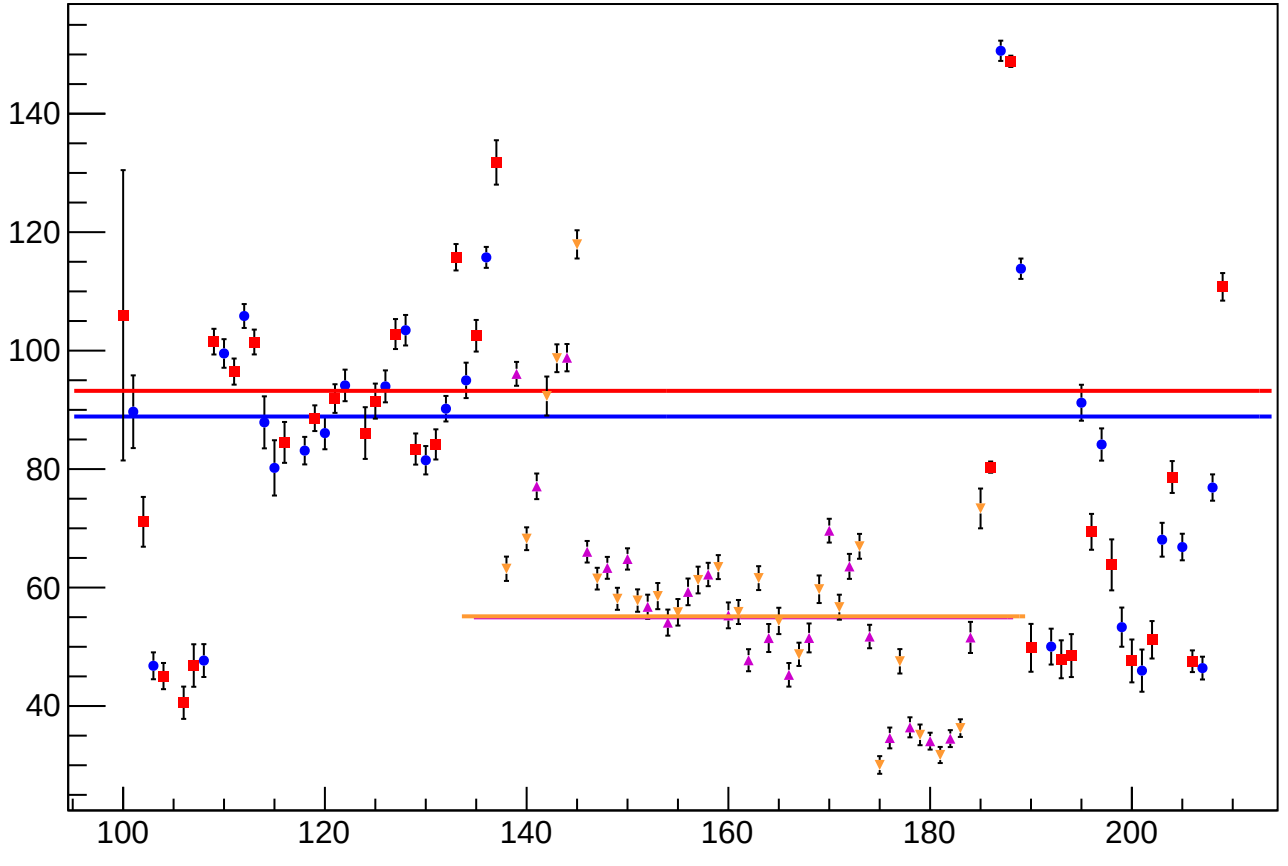
Right: 14.521+/-0.341 χ^2/NDF: 590.7/57

In: 7.170+/-0.266 χ^2/NDF:1018.9/49

Out: 7.687+/-0.252 χ^2/NDF:1335.2/55

All: 7.442+/-0.183 χ^2/NDF: 2356.1/105

reg_asym_usr_atr1_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 88.875+/-0.475 χ^2/NDF: 3559.4/26

Left Out: 55.142+/-0.397 χ^2/NDF:2242.4/24

Right Out: 93.210+/-0.407 χ^2/NDF: 6591.6/30

Left In: 54.972+/-0.406 χ^2/NDF:1780.5/22

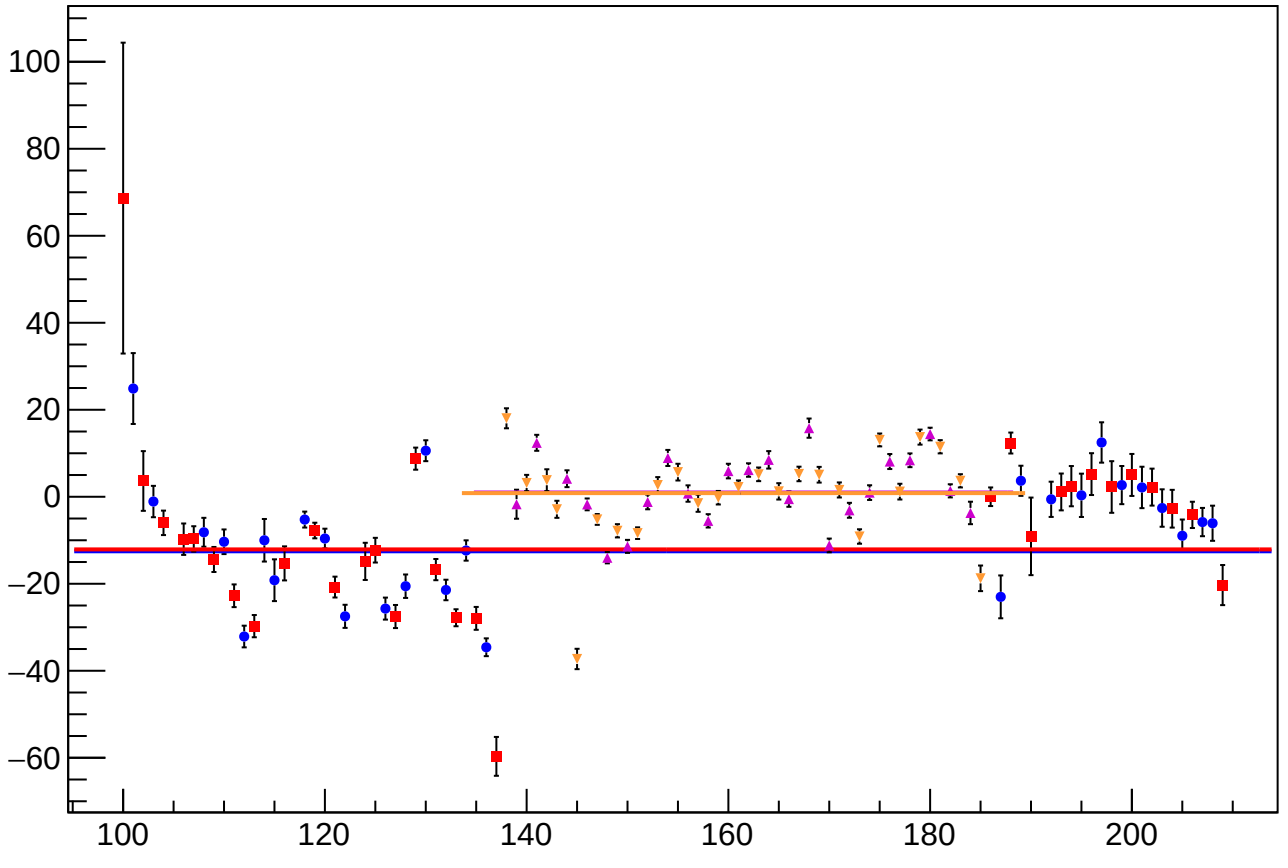
Left: 55.059+/-0.284 χ^2/NDF: 4023.0/47

Right: 91.377+/-0.309 χ^2/NDF: 10199.1/57

In: 69.269+/-0.308 χ^2/NDF:8286.6/49

Out: 73.715+/-0.284 χ^2/NDF:13322.2/55

All: 71.675+/-0.209 χ^2/NDF: 21721.2/105



Right In: -12.534+/-0.586 χ^2/NDF: 511.3/26

Left Out: 0.840+/-0.343 χ^2/NDF:717.2/24

Right Out: -12.101+/-0.550 χ^2/NDF: 632.9/30

Left In: 0.980+/-0.353 χ^2/NDF:558.5/22

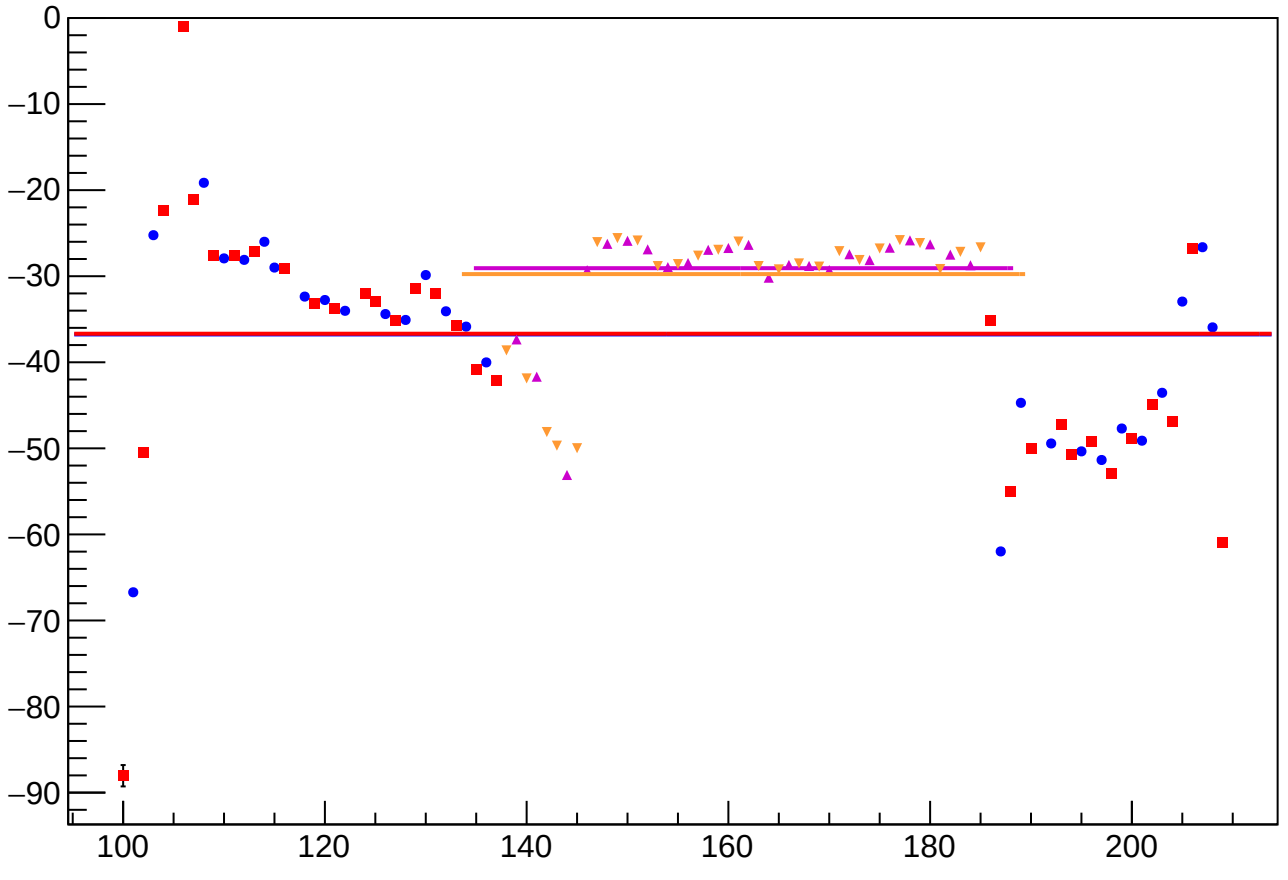
Left: 0.908+/-0.246 χ^2/NDF: 1275.8/47

Right: -12.304+/-0.401 χ^2/NDF: 1144.5/57

In: -2.620+/-0.303 χ^2/NDF:1459.5/49

Out: -2.777+/-0.291 χ^2/NDF:1748.3/55

All: -2.702+/-0.210 χ^2/NDF: 3207.9/105



Right In: -36.767+/-0.029 χ^2/NDF: 119124.3/26

Left Out: -29.754+/-0.016 χ^2/NDF:163552.5/24

Right Out: -36.682+/-0.028 χ^2/NDF: 225429.5/30

Left In: -29.067+/-0.016 χ^2/NDF:101545.6/22

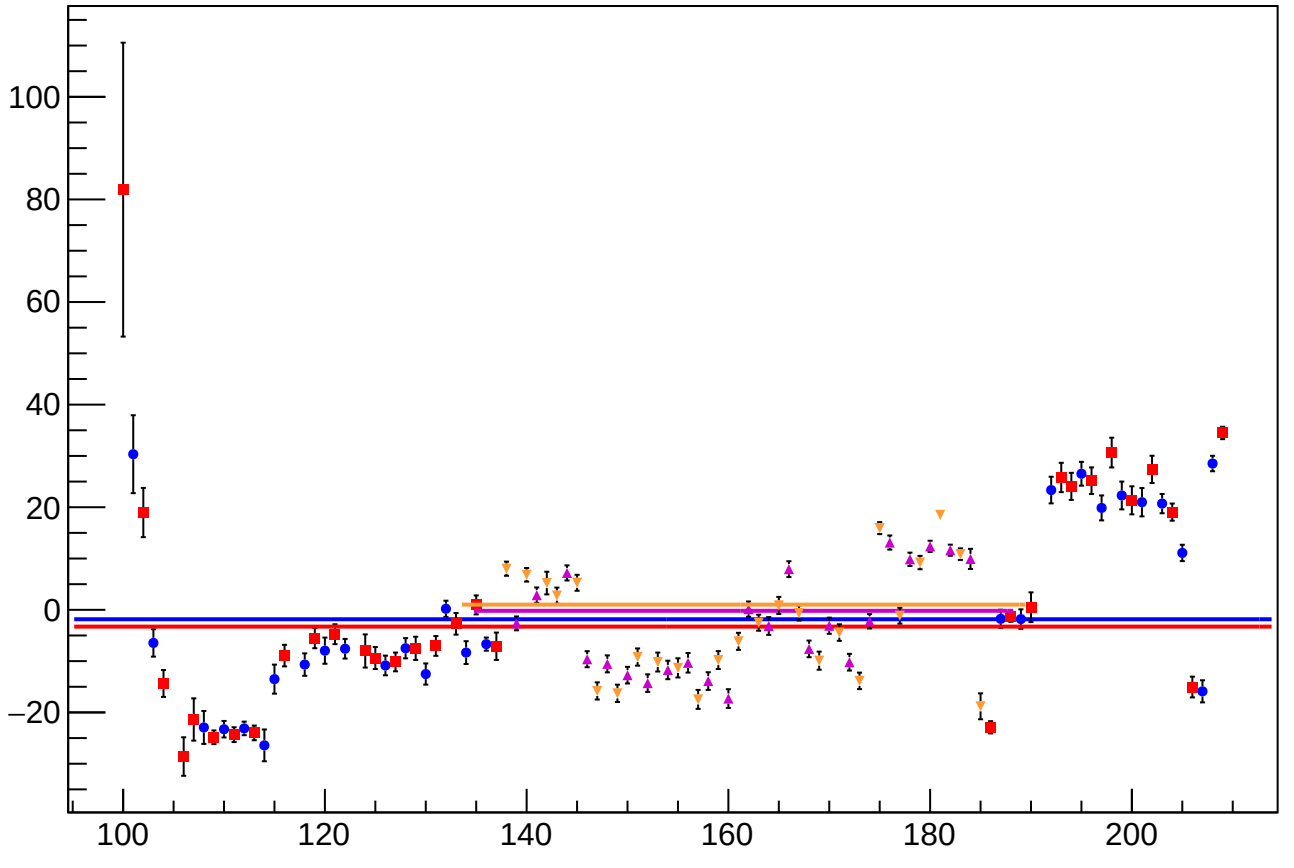
Left: -29.416+/-0.011 χ^2/NDF: 266057.0/47

Right: -36.723+/-0.020 χ^2/NDF: 344558.0/57

In: -30.811+/-0.014 χ^2/NDF:274478.7/49

Out: -31.348+/-0.014 χ^2/NDF:434528.1/55

All: -31.084+/-0.010 χ^2/NDF: 709767.6/105



Right In: -1.837+/-0.385 χ^2/NDF: 1822.0/26

Left Out: 1.015+/-0.305 χ^2/NDF:1335.1/24

Right Out: -3.272+/-0.349 χ^2/NDF: 2994.9/30

Left In: -0.192+/-0.315 χ^2/NDF:982.8/22

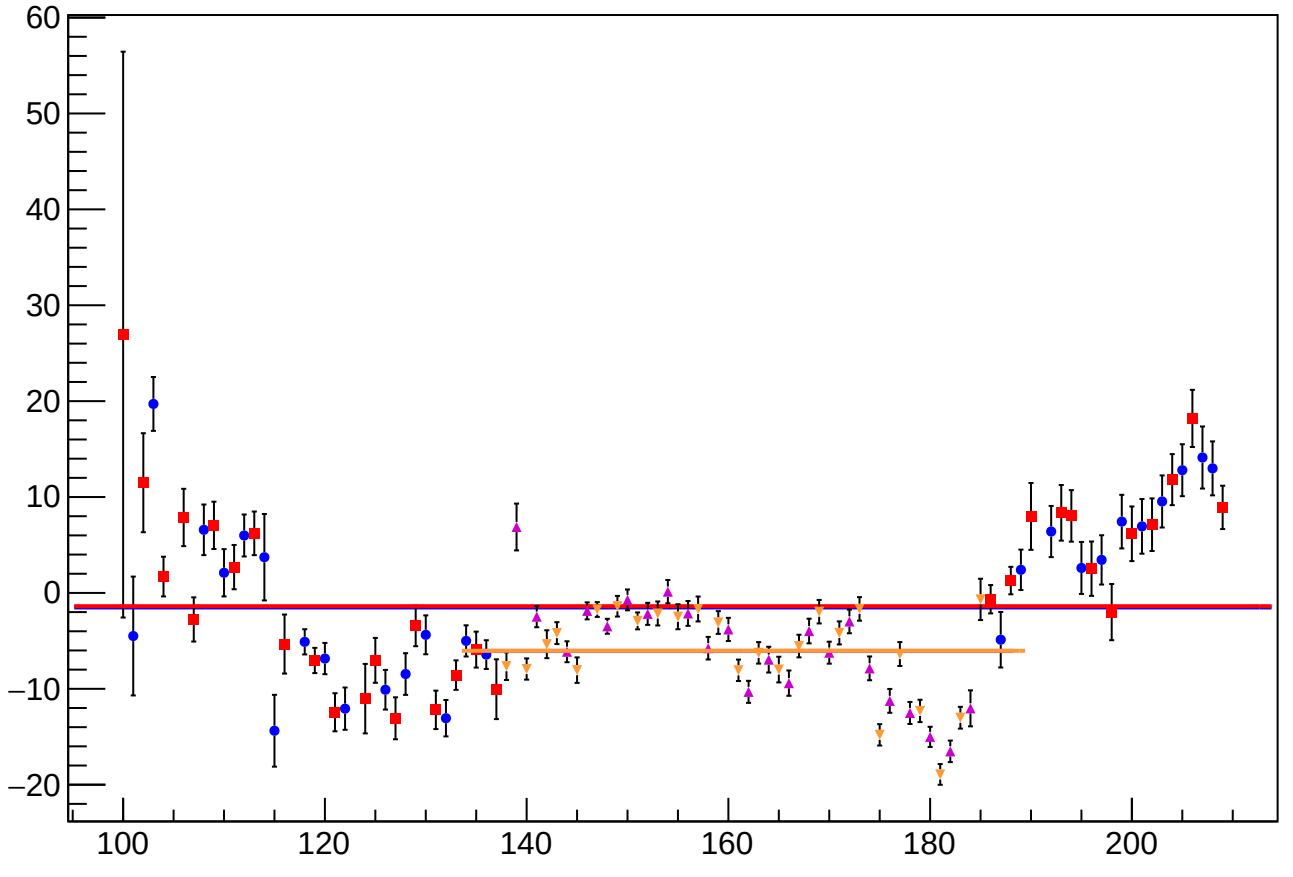
Left: 0.431+/-0.219 χ^2/NDF: 2325.4/47

Right: -2.625+/-0.258 χ^2/NDF: 4824.5/57

In: -0.851+/-0.244 χ^2/NDF:2815.7/49

Out: -0.842+/-0.229 χ^2/NDF:4415.7/55

All: -0.846+/-0.167 χ^2/NDF: 7231.3/105



Right In: -1.515+/-0.436 χ^2/NDF: 349.8/26

Left Out: -6.035+/-0.233 χ^2/NDF:414.9/24

Right Out: -1.383+/-0.407 χ^2/NDF: 344.9/30

Left In: -6.043+/-0.243 χ^2/NDF:396.2/22

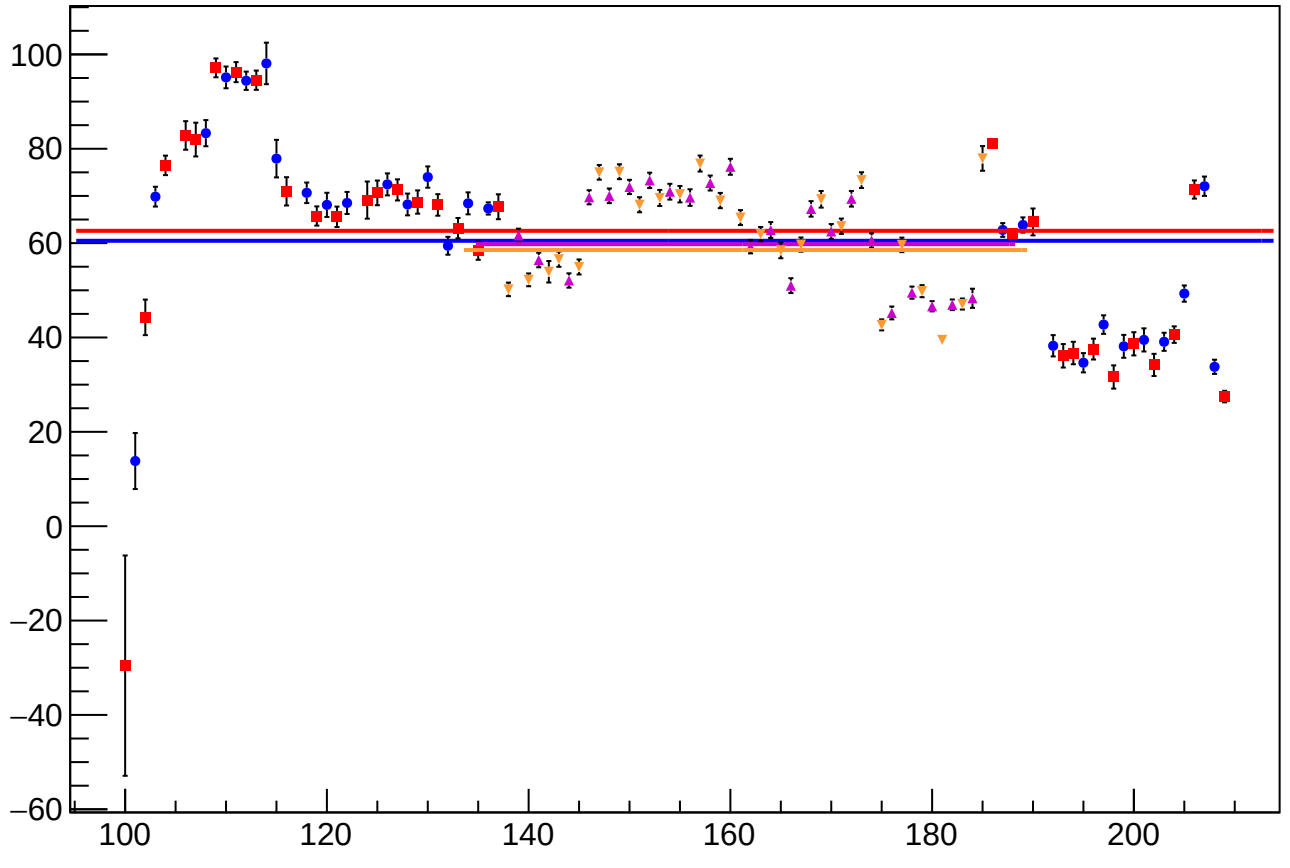
Left: -6.039+/-0.168 χ^2/NDF: 811.1/47

Right: -1.444+/-0.298 χ^2/NDF: 694.7/57

In: -4.972+/-0.212 χ^2/NDF:828.3/49

Out: -4.885+/-0.202 χ^2/NDF:858.1/55

All: -4.927+/-0.146 χ^2/NDF: 1686.5/105



Right In: 60.495+/-0.398 χ^2/NDF: 1947.1/26

Left Out: 58.535+/-0.303 χ^2/NDF:1449.2/24

Right Out: 62.608+/-0.349 χ^2/NDF: 3148.9/30

Left In: 59.777+/-0.312 χ^2/NDF:1070.5/22

Left: 59.139+/-0.217 χ^2/NDF: 2527.9/47

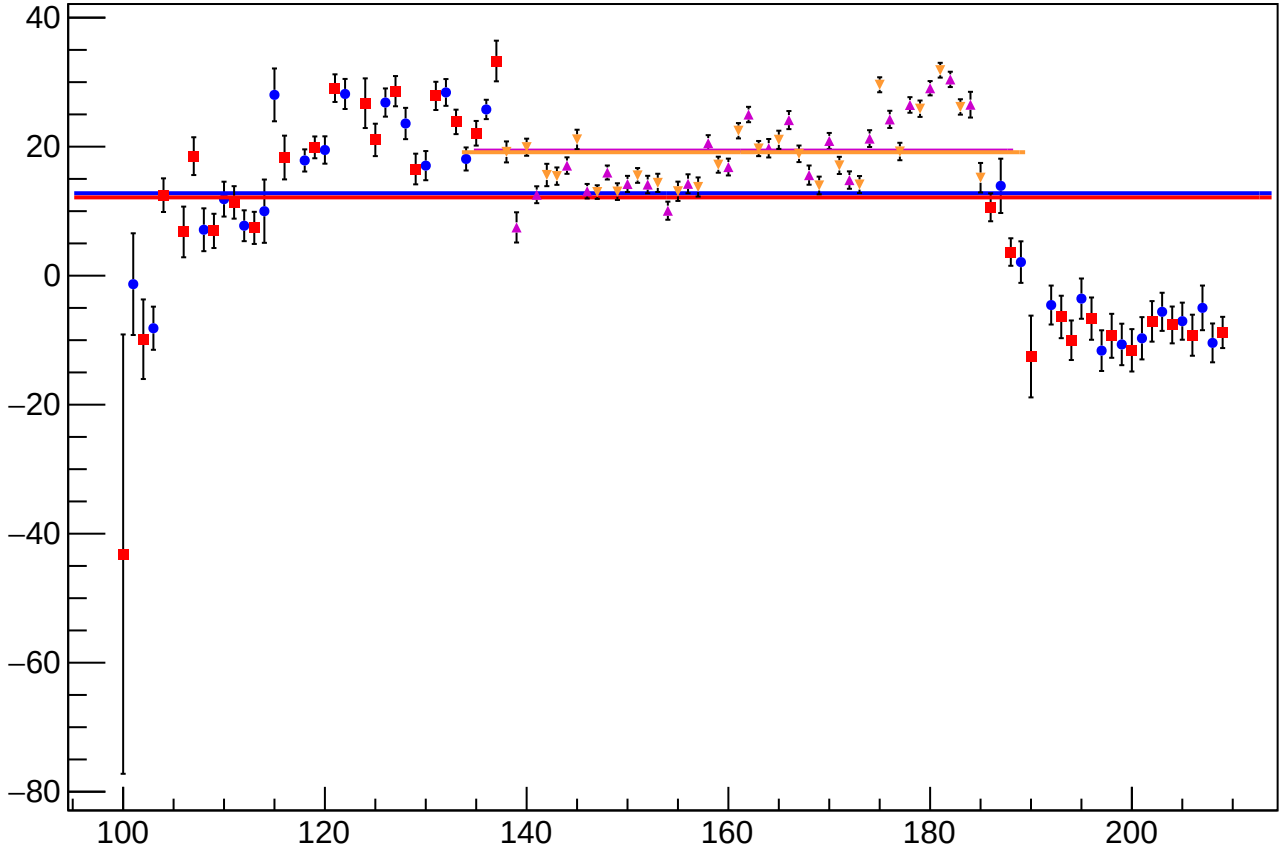
Right: 61.689+/-0.263 χ^2/NDF: 5112.0/57

In: 60.050+/-0.245 χ^2/NDF:3019.7/49

Out: 60.283+/-0.229 χ^2/NDF:4675.7/55

All: 60.174+/-0.167 χ^2/NDF: 7695.9/105

reg_asym_usr_atr1_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 12.779+/-0.500 χ^2/NDF: 735.3/26

Left Out: 19.138+/-0.264 χ^2/NDF:433.7/24

Right Out: 12.135+/-0.480 χ^2/NDF: 803.4/30

Left In: 19.390+/-0.274 χ^2/NDF:467.7/22

Left: 19.260+/-0.190 χ^2/NDF: 901.9/47

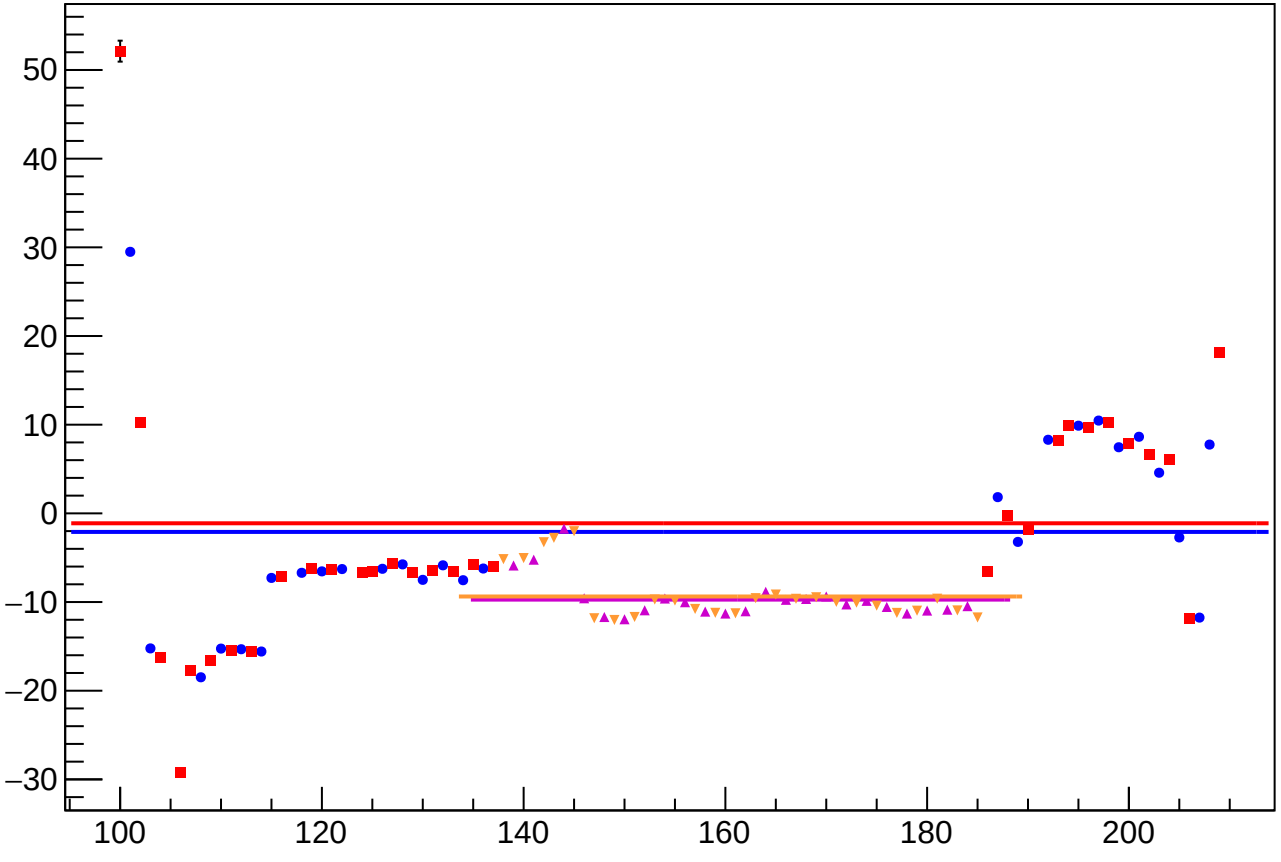
Right: 12.444+/-0.346 χ^2/NDF: 1539.5/57

In: 17.865+/-0.240 χ^2/NDF:1337.6/49

Out: 17.512+/-0.231 χ^2/NDF:1400.5/55

All: 17.682+/-0.167 χ^2/NDF: 2739.3/105

reg_asym_usr_atr1_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -2.093+/-0.024 χ^2/NDF: 161147.8/26

Left Out: -9.375+/-0.012 χ^2/NDF:49934.3/24

Right Out: -1.118+/-0.023 χ^2/NDF: 223896.9/30

Left In: -9.726+/-0.012 χ^2/NDF:31951.7/22

Left: -9.547+/-0.008 χ^2/NDF: 82314.4/47

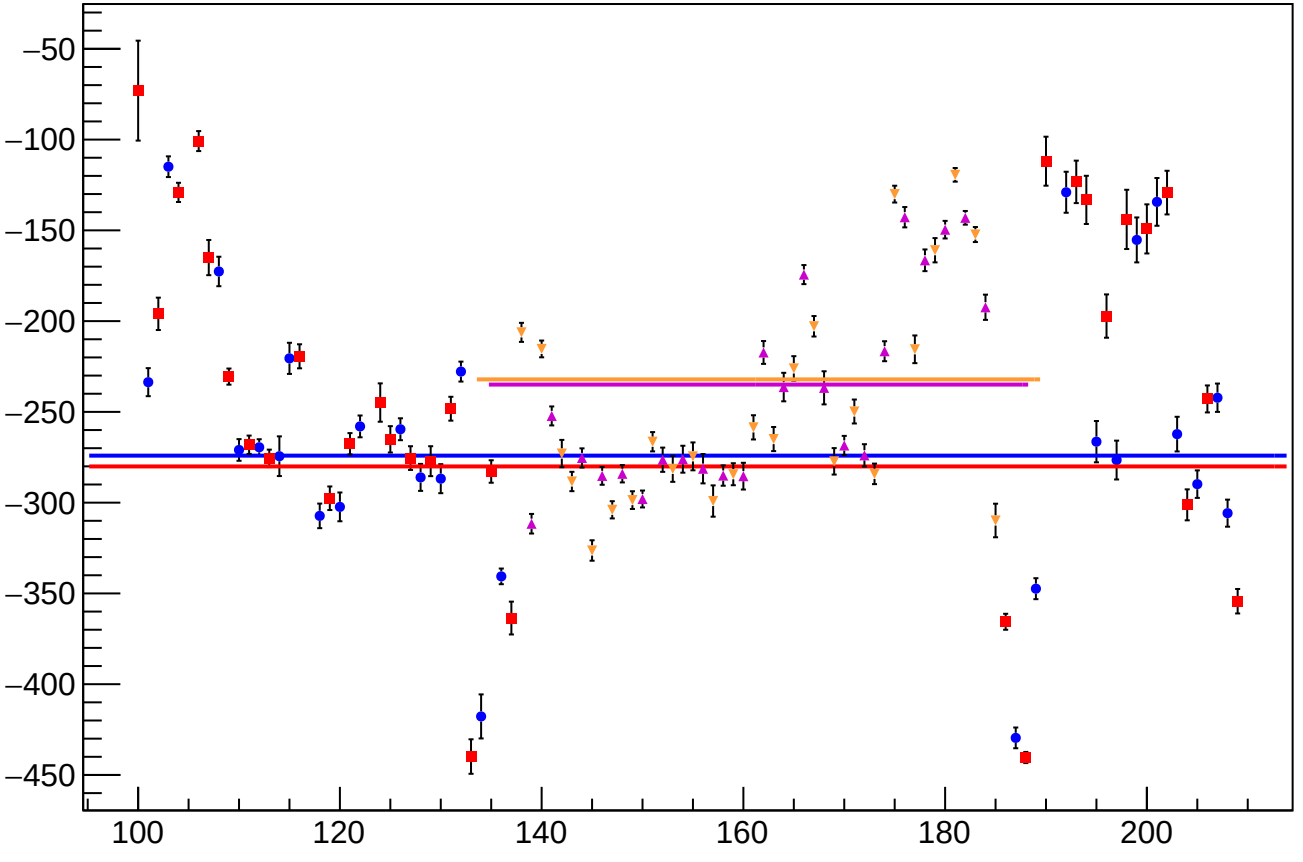
Right: -1.598+/-0.017 χ^2/NDF: 385909.3/57

In: -8.135+/-0.011 χ^2/NDF:275896.2/49

Out: -7.665+/-0.011 χ^2/NDF:373819.1/55

All: -7.895+/-0.008 χ^2/NDF: 650682.3/105

reg_asym_usr_atr2_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -274.099+/-1.356 χ^2/NDF: 2818.6/26

Left Out: -232.091+/-1.143 χ^2/NDF:3269.9/24

Right Out: -280.049+/-1.200 χ^2/NDF: 6883.2/30

Left In: -234.951+/-1.176 χ^2/NDF:2470.2/22

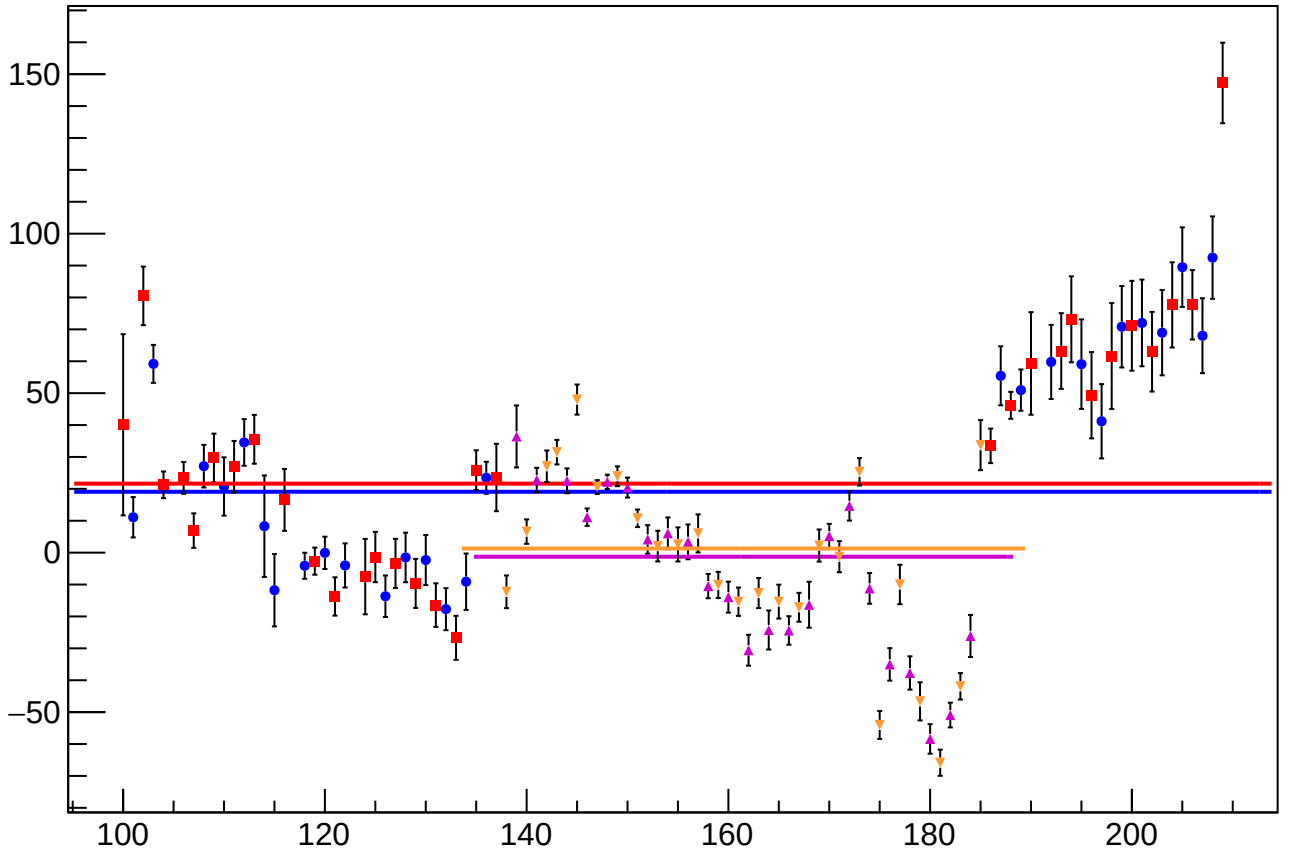
Left: -233.480+/-0.820 χ^2/NDF: 5743.2/47

Right: -277.435+/-0.899 χ^2/NDF: 9712.6/57

In: -251.754+/-0.888 χ^2/NDF:5764.7/49

Out: -254.904+/-0.828 χ^2/NDF:10990.5/55

All: -253.440+/-0.606 χ^2/NDF: 16762.0/105



Right In: 19.084+/-1.471 χ^2/NDF: 391.2/26

Left Out: 1.295+/-0.837 χ^2/NDF:1049.5/24

Right Out: 21.639+/-1.324 χ^2/NDF: 491.6/30

Left In: -1.280+/-0.869 χ^2/NDF:811.2/22

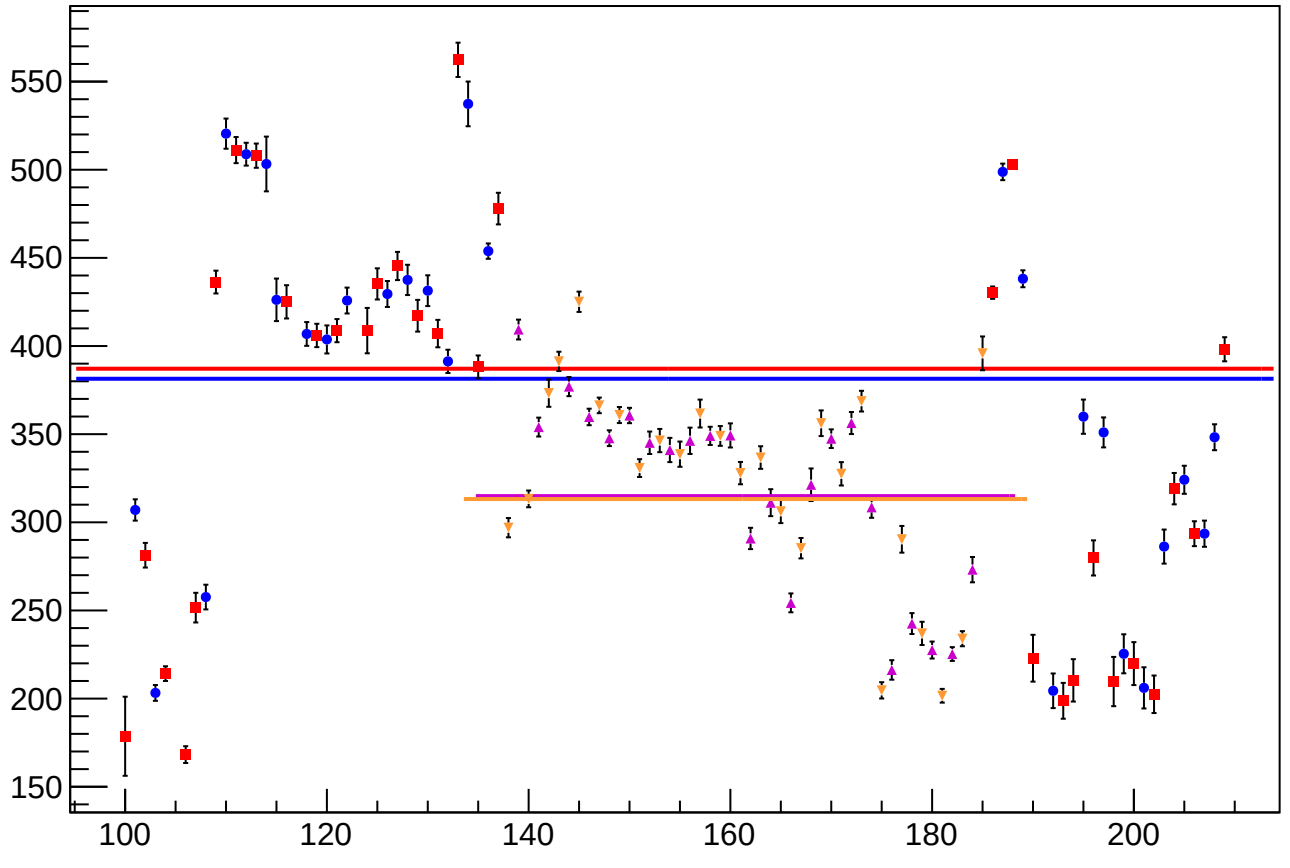
Left: 0.056+/-0.603 χ^2/NDF: 1865.2/47

Right: 20.495+/-0.984 χ^2/NDF: 884.5/57

In: 3.987+/-0.748 χ^2/NDF:1344.5/49

Out: 7.099+/-0.707 χ^2/NDF:1709.6/55

All: 5.630+/-0.514 χ^2/NDF: 3063.3/105



Right In: 381.432+/-1.371 χ^2/NDF: 5221.0/26

Left Out: 313.197+/-1.134 χ^2/NDF:3135.7/24

Right Out: 387.126+/-1.176 χ^2/NDF: 9698.4/30

Left In: 314.864+/-1.161 χ^2/NDF:2429.0/22

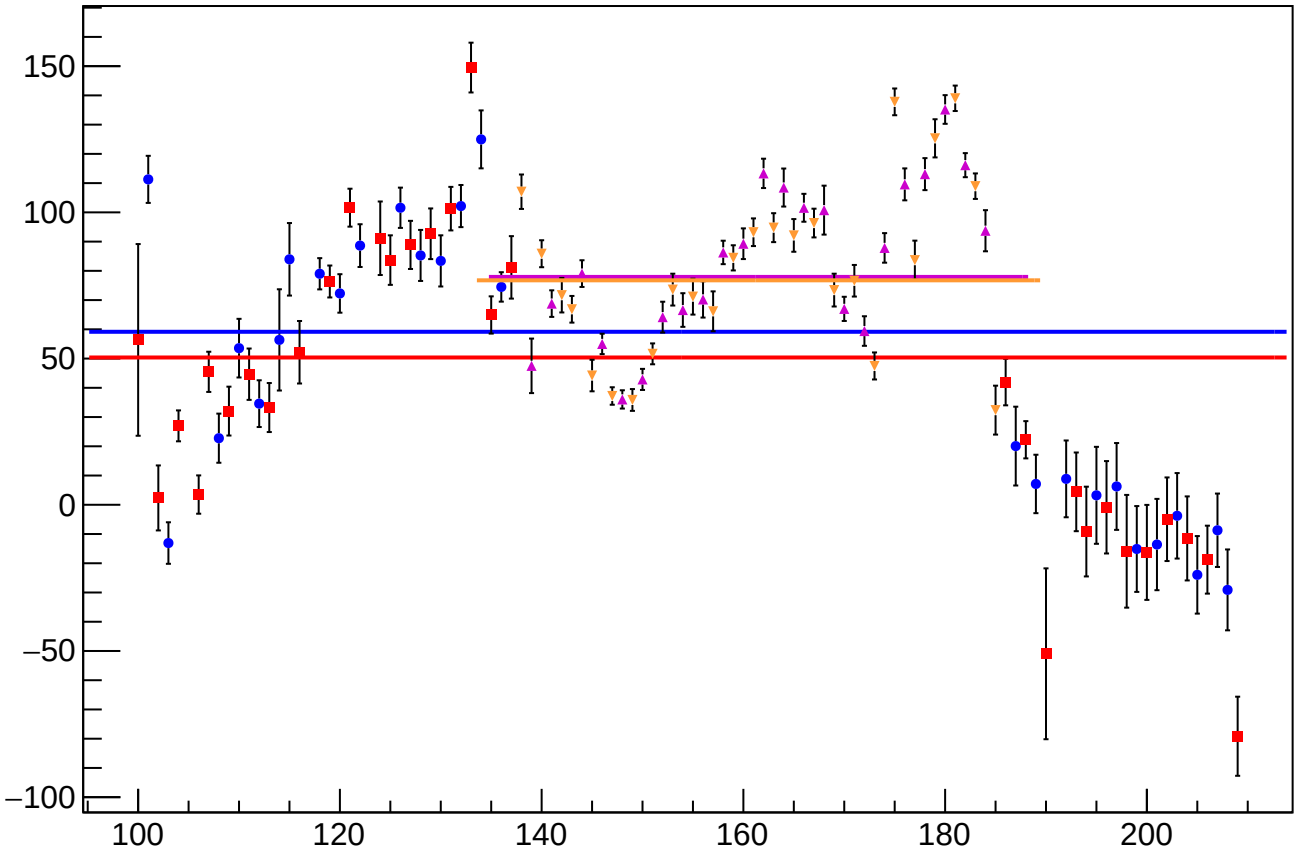
Left: 314.010+/-0.811 χ^2/NDF: 5565.8/47

Right: 384.712+/-0.893 χ^2/NDF: 14929.3/57

In: 342.669+/-0.886 χ^2/NDF:9022.3/49

Out: 348.807+/-0.816 χ^2/NDF:14881.5/55

All: 345.990+/-0.600 χ^2/NDF: 23929.8/105



Right In: 59.159+/-1.720 χ^2/NDF: 605.0/26

Left Out: 76.758+/-0.967 χ^2/NDF:1035.3/24

Right Out: 50.370+/-1.591 χ^2/NDF: 711.2/30

Left In: 77.923+/-0.997 χ^2/NDF:783.8/22

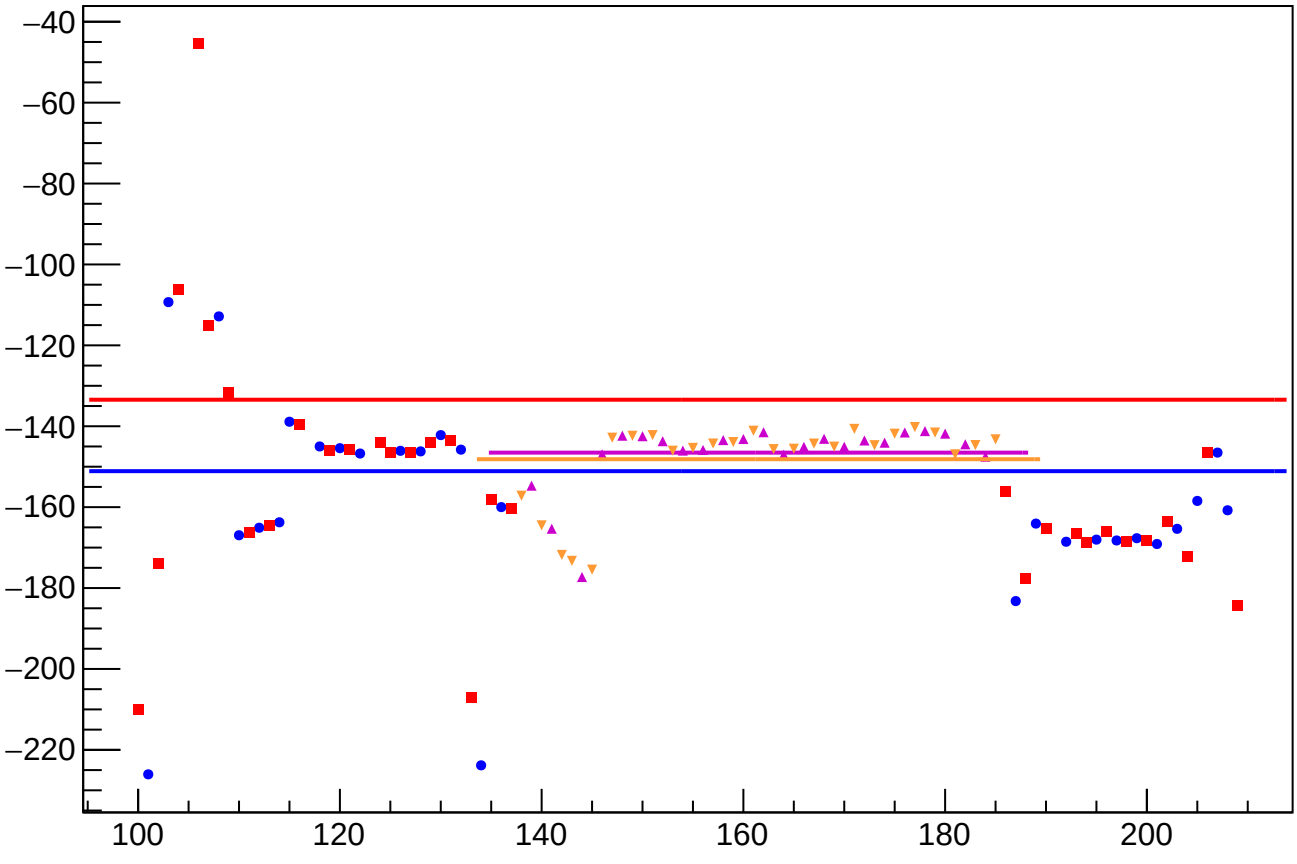
Left: 77.323+/-0.694 χ^2/NDF: 1819.9/47

Right: 54.424+/-1.168 χ^2/NDF: 1330.3/57

In: 73.205+/-0.862 χ^2/NDF:1477.9/49

Out: 69.644+/-0.826 χ^2/NDF:1947.5/55

All: 71.348+/-0.597 χ^2/NDF: 3434.3/105



Right In: -151.101+/-0.082 χ^2/NDF: 146522.7/26

Left Out: -148.148+/-0.045 χ^2/NDF:48910.2/24

Right Out: -133.443+/-0.075 χ^2/NDF: 354800.8/30

Left In: -146.523+/-0.046 χ^2/NDF:29172.3/22

Left: -147.344+/-0.032 χ^2/NDF: 78725.9/47

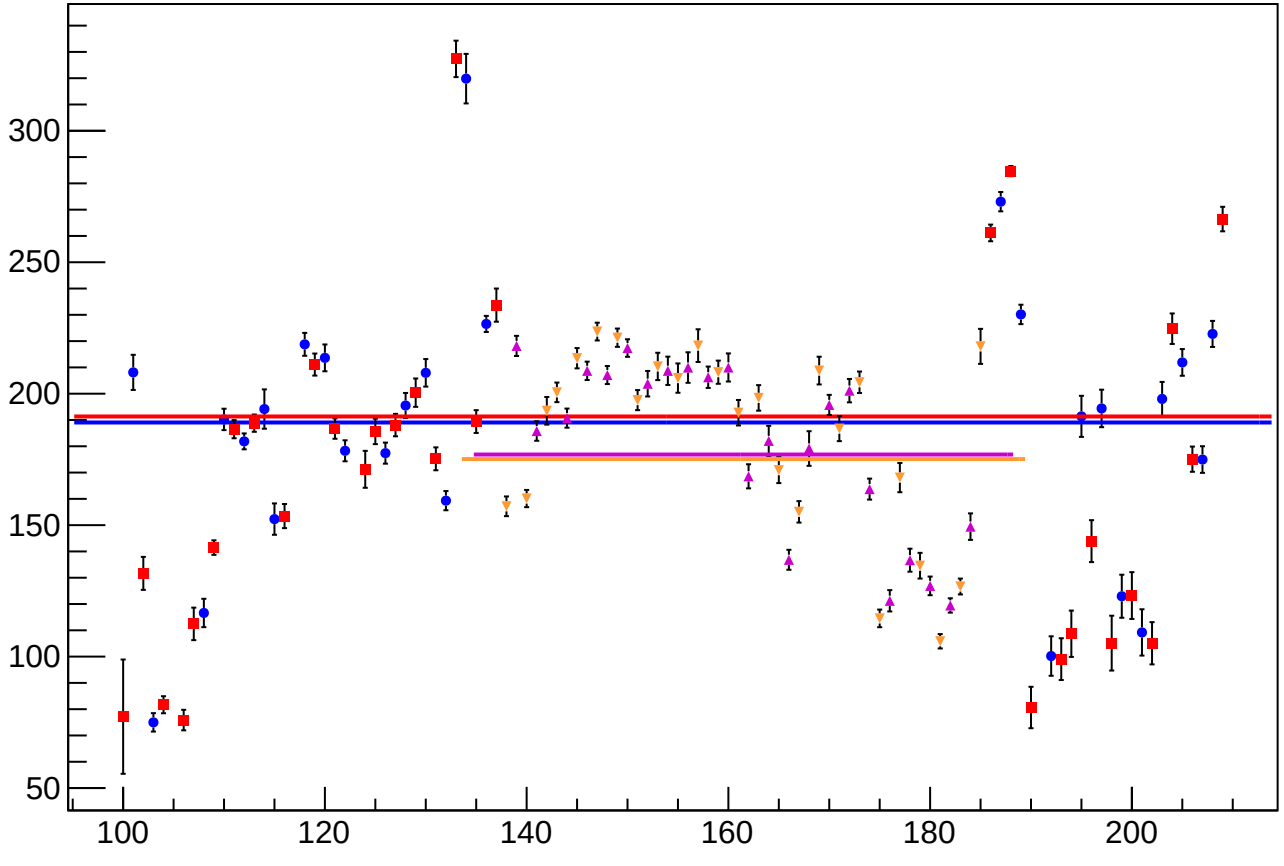
Right: -141.457+/-0.056 χ^2/NDF: 526410.2/57

In: -147.594+/-0.040 χ^2/NDF:178060.3/49

Out: -144.253+/-0.039 χ^2/NDF:431888.7/55

All: -145.872+/-0.028 χ^2/NDF: 613570.7/105

reg_asym_usr_atr2_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 189.049+/-0.907 χ^2/NDF: 2813.3/26

Left Out: 175.126+/-0.822 χ^2/NDF:2295.2/24

Right Out: 191.335+/-0.795 χ^2/NDF: 6992.0/30

Left In: 176.862+/-0.847 χ^2/NDF:1756.1/22

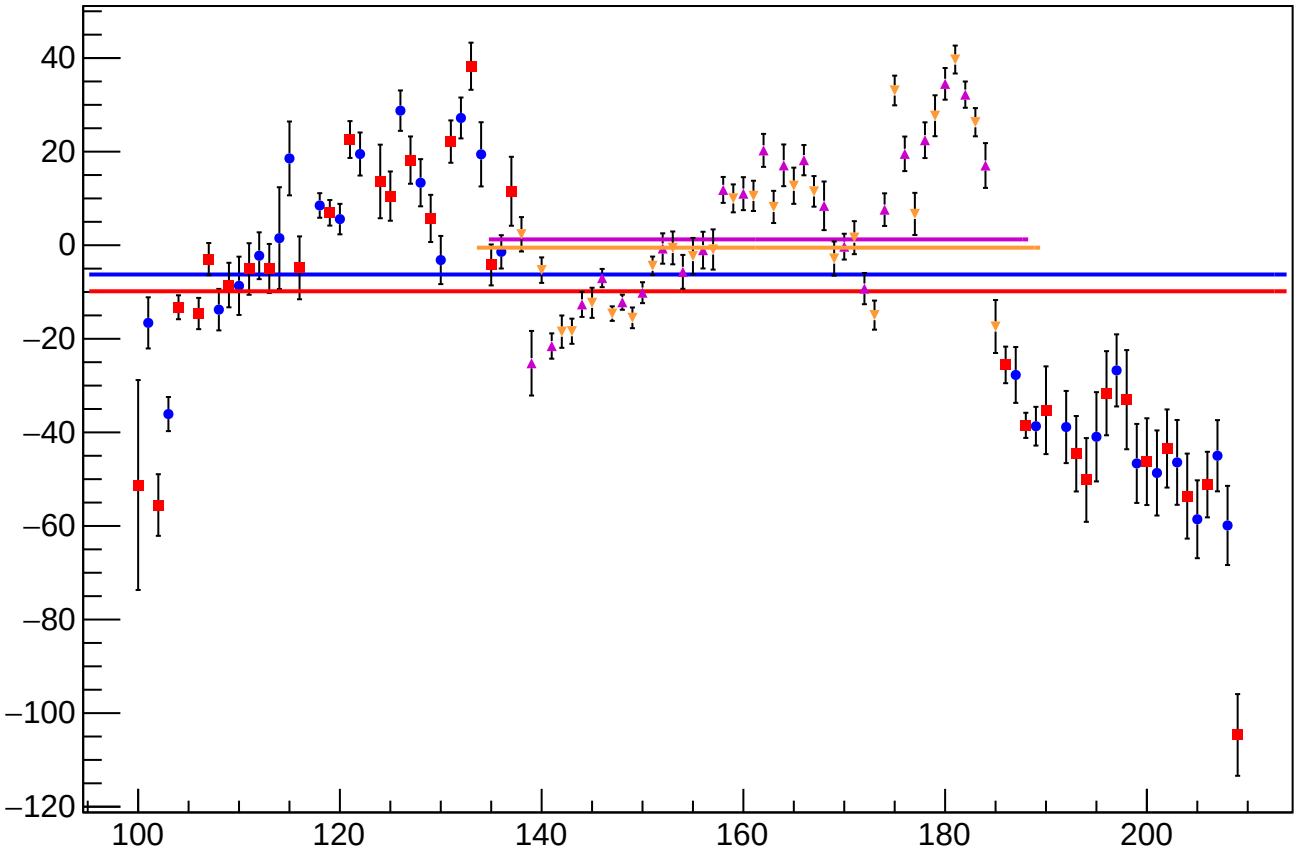
Left: 175.968+/-0.590 χ^2/NDF: 4053.4/47

Right: 190.342+/-0.598 χ^2/NDF: 9808.9/57

In: 182.538+/-0.619 χ^2/NDF:4665.8/49

Out: 183.501+/-0.571 χ^2/NDF:9488.1/55

All: 183.058+/-0.420 χ^2/NDF: 14155.2/105



Right In: -6.257+/-0.983 χ^2/NDF: 598.6/26

Left Out: -0.523+/-0.601 χ^2/NDF:724.5/24

Right Out: -9.843+/-0.873 χ^2/NDF: 776.9/30

Left In: 1.244+/-0.625 χ^2/NDF:620.6/22

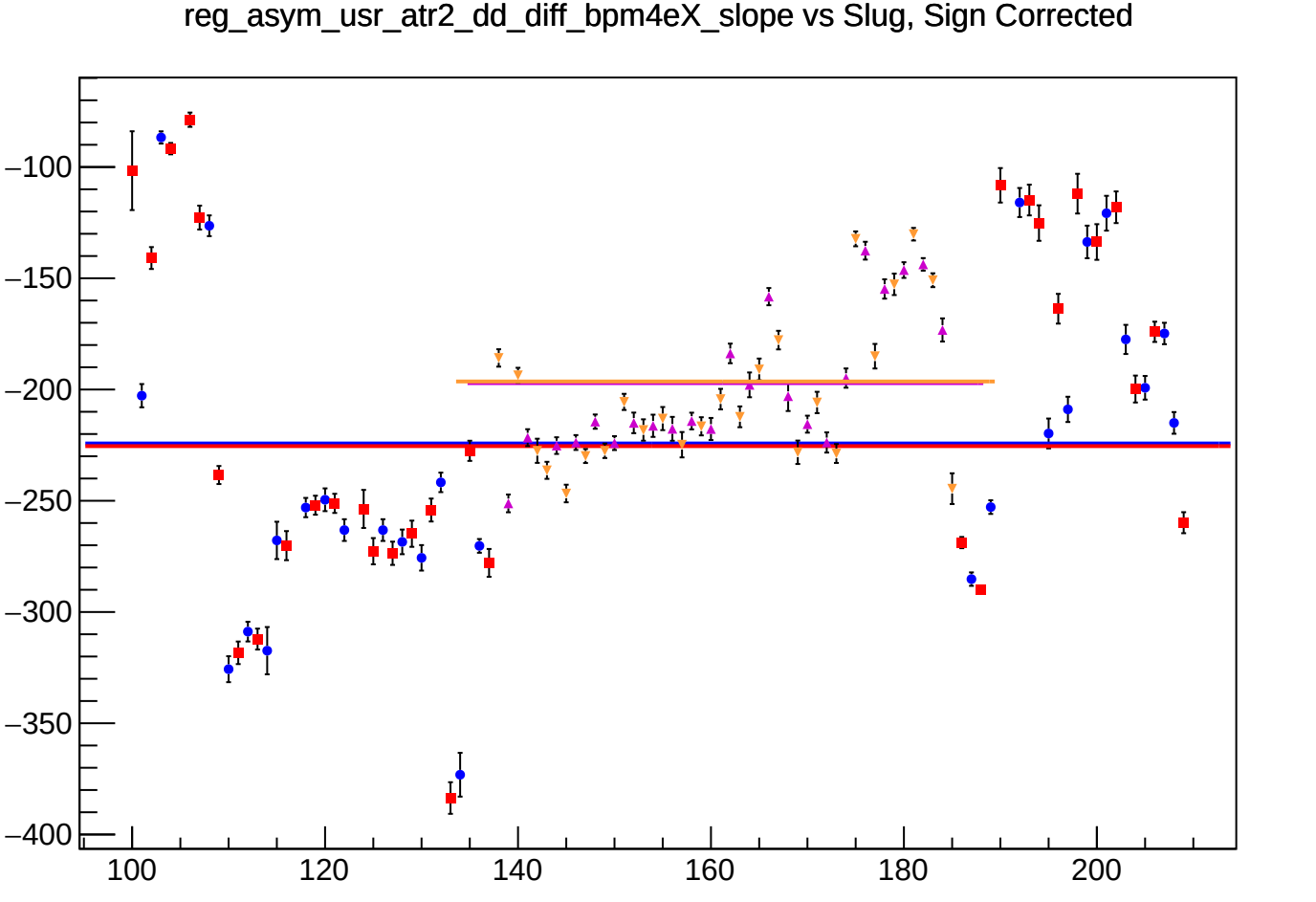
Left: 0.325+/-0.433 χ^2/NDF: 1349.2/47

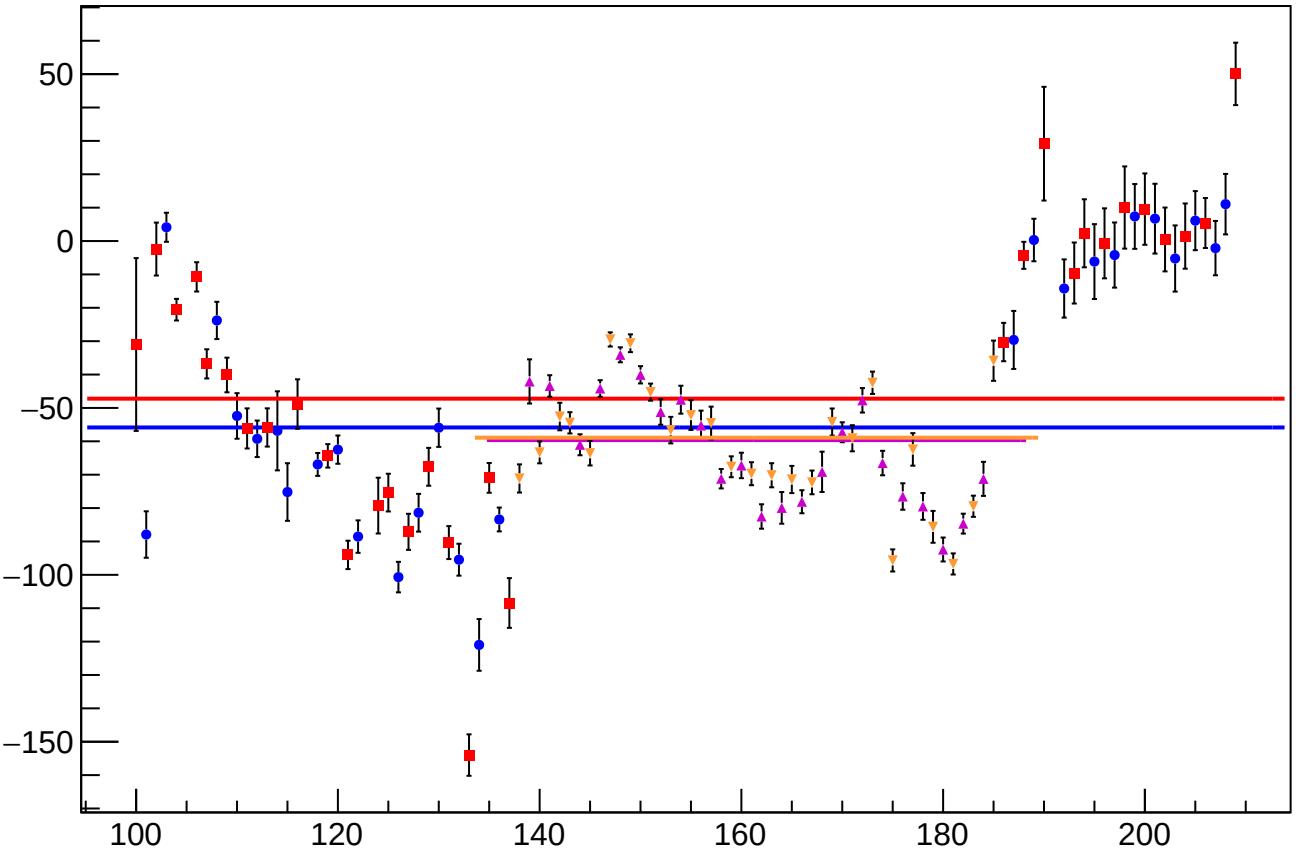
Right: -8.262+/-0.653 χ^2/NDF: 1383.0/57

In: -0.917+/-0.528 χ^2/NDF:1260.6/49

Out: -3.518+/-0.495 χ^2/NDF:1578.7/55

All: -2.301+/-0.361 χ^2/NDF: 2852.3/105


reg_asym_usr_atr2_dd_diff_bpm4eX_slope vs Slug, Sign Corrected
−100
−150
−200
−250
−300
−350
−400
100
120
140
160
180
200
Right In: -224.254+/-0.915 χ²/NDF: 5828.9/26
Left Out: -196.380+/-0.816 χ²/NDF:1997.7/24
Right Out: -225.446+/-0.776 χ²/NDF: 10607.2/30
Left In: -197.128+/-0.837 χ²/NDF:1601.5/22
Left: -196.744+/-0.584 χ²/NDF: 3599.6/47
Right: -224.947+/-0.592 χ²/NDF: 16437.1/57
In: -209.490+/-0.617 χ²/NDF:7909.3/49
Out: -211.641+/-0.562 χ²/NDF:13271.4/55
All: -210.666+/-0.416 χ²/NDF: 21187.4/105



Right In: -55.850+/-1.153 χ^2/NDF: 1032.1/26

Left Out: -58.910+/-0.695 χ^2/NDF:782.5/24

Right Out: -47.219+/-1.051 χ^2/NDF: 1360.0/30

Left In: -59.637+/-0.718 χ^2/NDF:597.0/22

Left: -59.261+/-0.499 χ^2/NDF: 1380.0/47

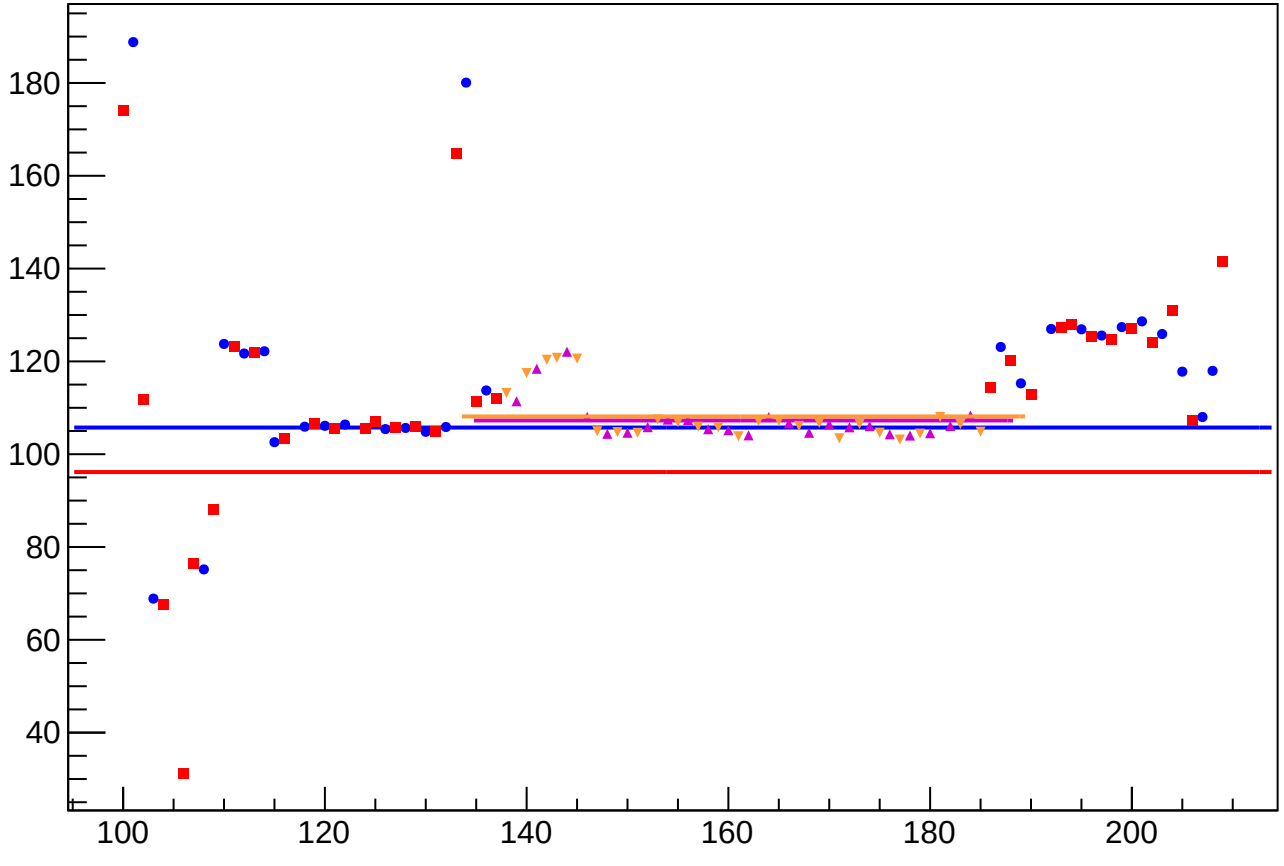
Right: -51.136+/-0.777 χ^2/NDF: 2422.7/57

In: -58.579+/-0.610 χ^2/NDF:1636.9/49

Out: -55.356+/-0.580 χ^2/NDF:2228.6/55

All: -56.886+/-0.420 χ^2/NDF: 3880.2/105

reg_asym_usr_atr2_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 105.745+/-0.055 χ^2/NDF: 273417.4/26

Left Out: 108.136+/-0.032 χ^2/NDF:26420.1/24

Right Out: 96.152+/-0.051 χ^2/NDF: 397914.7/30

Left In: 107.266+/-0.033 χ^2/NDF:16879.3/22

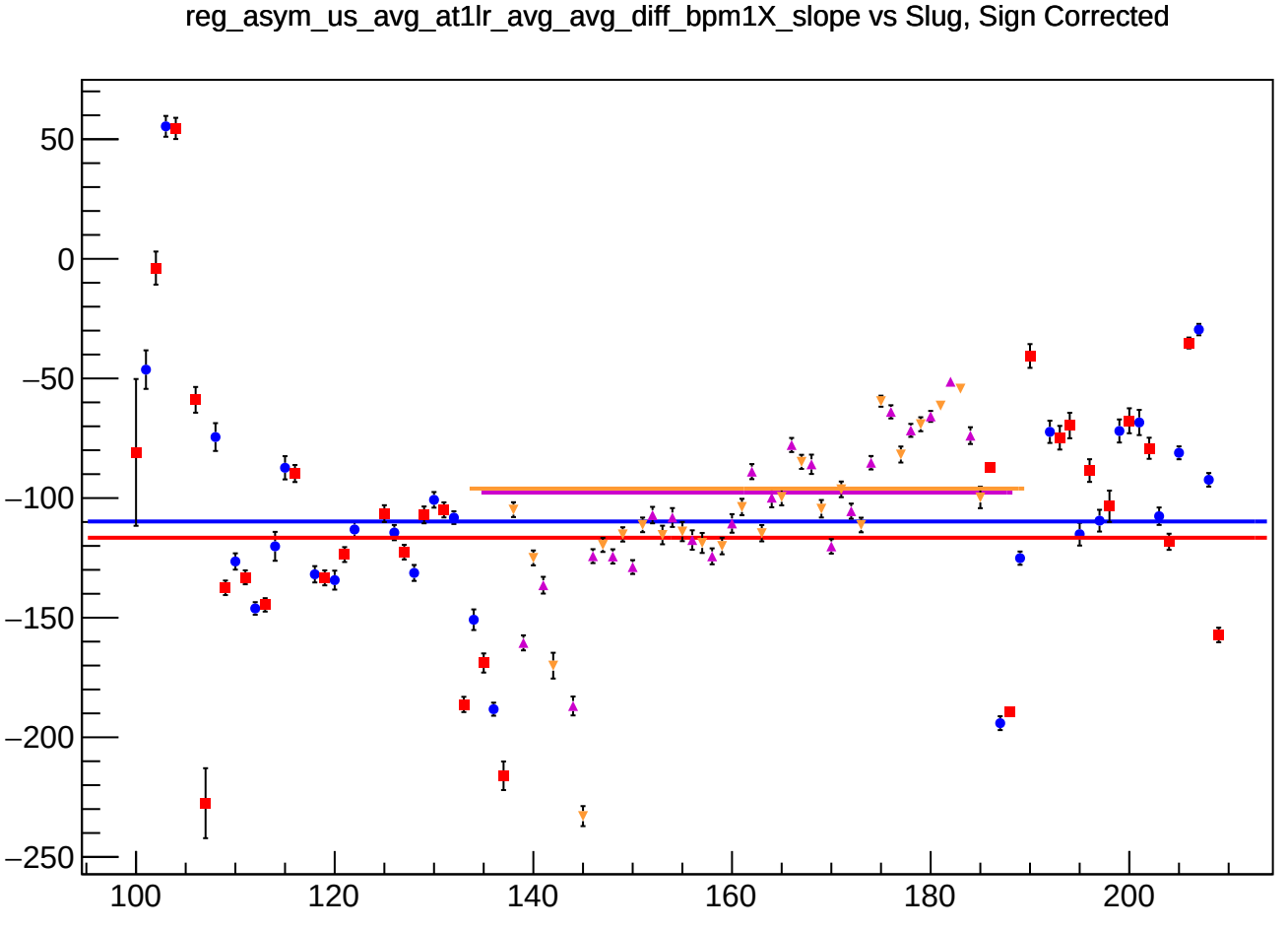
Left: 107.706+/-0.023 χ^2/NDF: 43654.4/47

Right: 100.558+/-0.037 χ^2/NDF: 687798.7/57

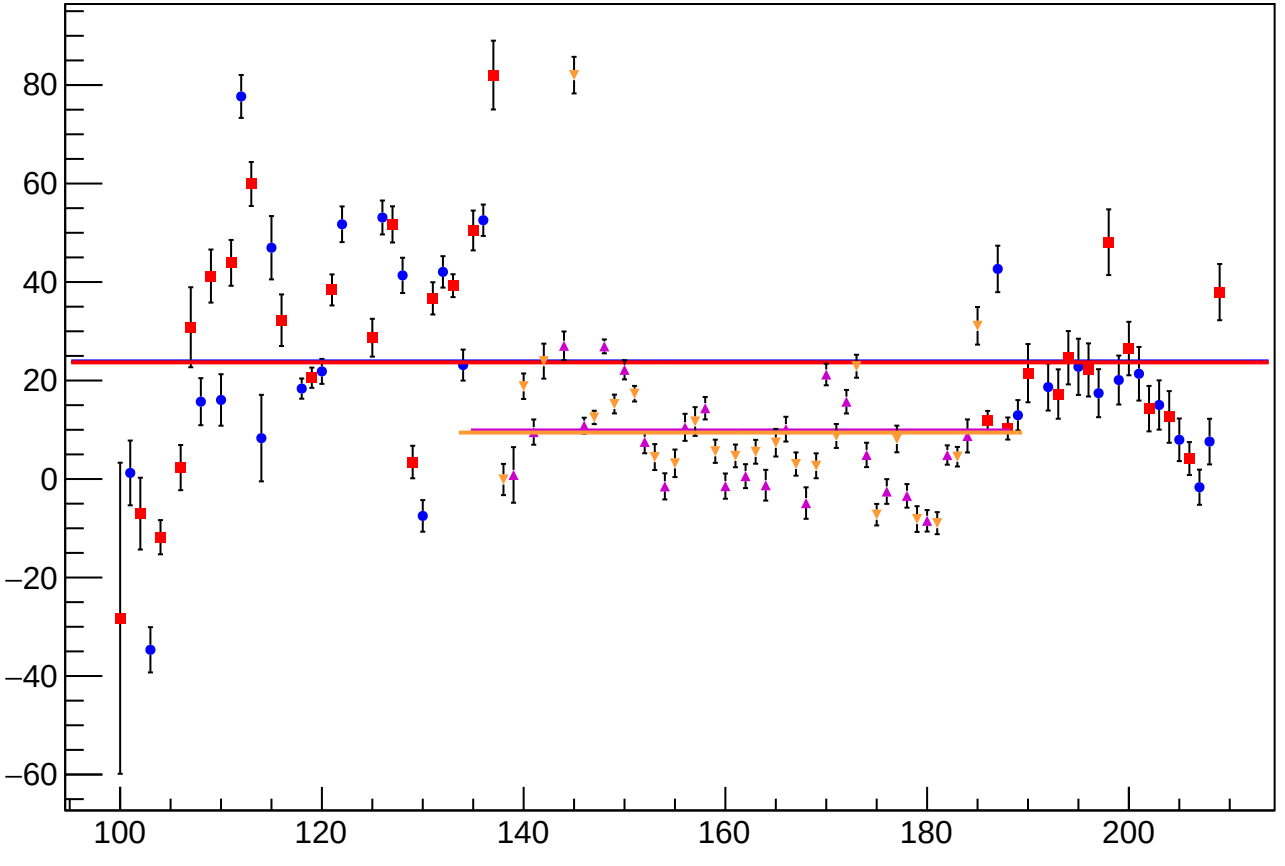
In: 106.866+/-0.028 χ^2/NDF:290860.6/49

Out: 104.649+/-0.027 χ^2/NDF:464007.6/55

All: 105.723+/-0.020 χ^2/NDF: 758057.1/105


reg_asym_us_avg_at1lr_avg_avg_diff_bpm1X_slope vs Slug, Sign Corrected
50
0
−50
−100
−150
−200
−250
100
120
140
160
180
200
Right In: -109.780+/-0.668 χ²/NDF: 5186.1/26
Left Out: -96.026+/-0.635 χ²/NDF:2770.9/23
Right Out: -116.581+/-0.608 χ²/NDF: 7496.5/29
Left In: -97.713+/-0.639 χ²/NDF:2640.9/22
Left: -96.865+/-0.450 χ²/NDF: 5415.3/46
Right: -113.501+/-0.449 χ²/NDF: 12739.3/56
In: -103.475+/-0.462 χ²/NDF:7997.4/49
Out: -106.754+/-0.439 χ²/NDF:10814.6/53
All: -105.197+/-0.318 χ²/NDF: 18838.5/103

reg_asym_us_avg_at1lr_avg_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 23.884+/-0.740 χ^2/NDF: 832.4/26

Left Out: 9.438+/-0.478 χ^2/NDF:736.4/23

Right Out: 23.690+/-0.690 χ^2/NDF: 675.6/29

Left In: 9.864+/-0.487 χ^2/NDF:485.4/22

Left: 9.648+/-0.341 χ^2/NDF: 1222.1/46

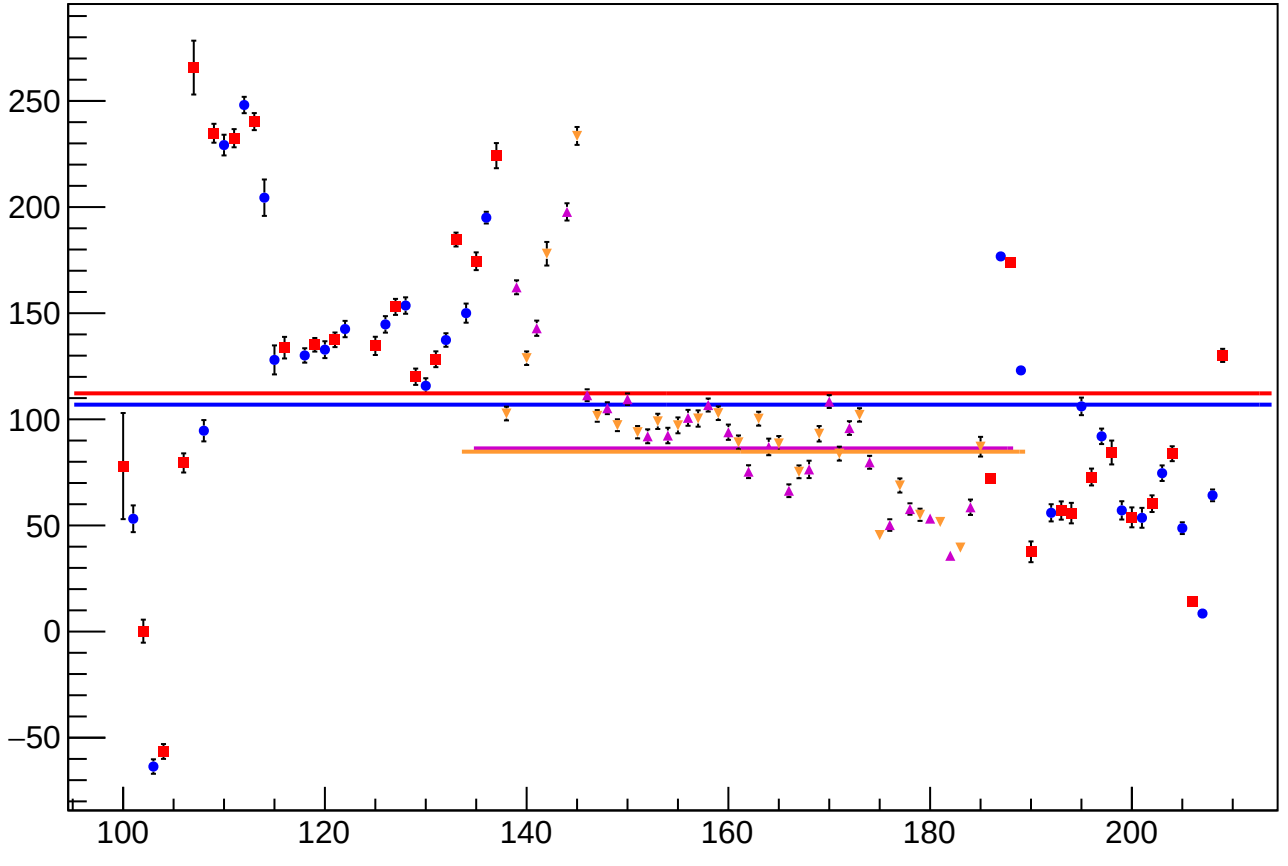
Right: 23.780+/-0.504 χ^2/NDF: 1508.0/56

In: 14.099+/-0.407 χ^2/NDF:1568.5/49

Out: 14.061+/-0.393 χ^2/NDF:1700.4/53

All: 14.079+/-0.283 χ^2/NDF: 3268.9/103

reg_asym_us_avg_at1lr_avg_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 106.909+/-0.676 χ^2/NDF: 10310.0/26

Left Out: 84.759+/-0.629 χ^2/NDF:3110.5/23

Right Out: 112.234+/-0.587 χ^2/NDF: 13134.1/29

Left In: 86.300+/-0.632 χ^2/NDF:3152.8/22

Left: 85.526+/-0.446 χ^2/NDF: 6266.2/46

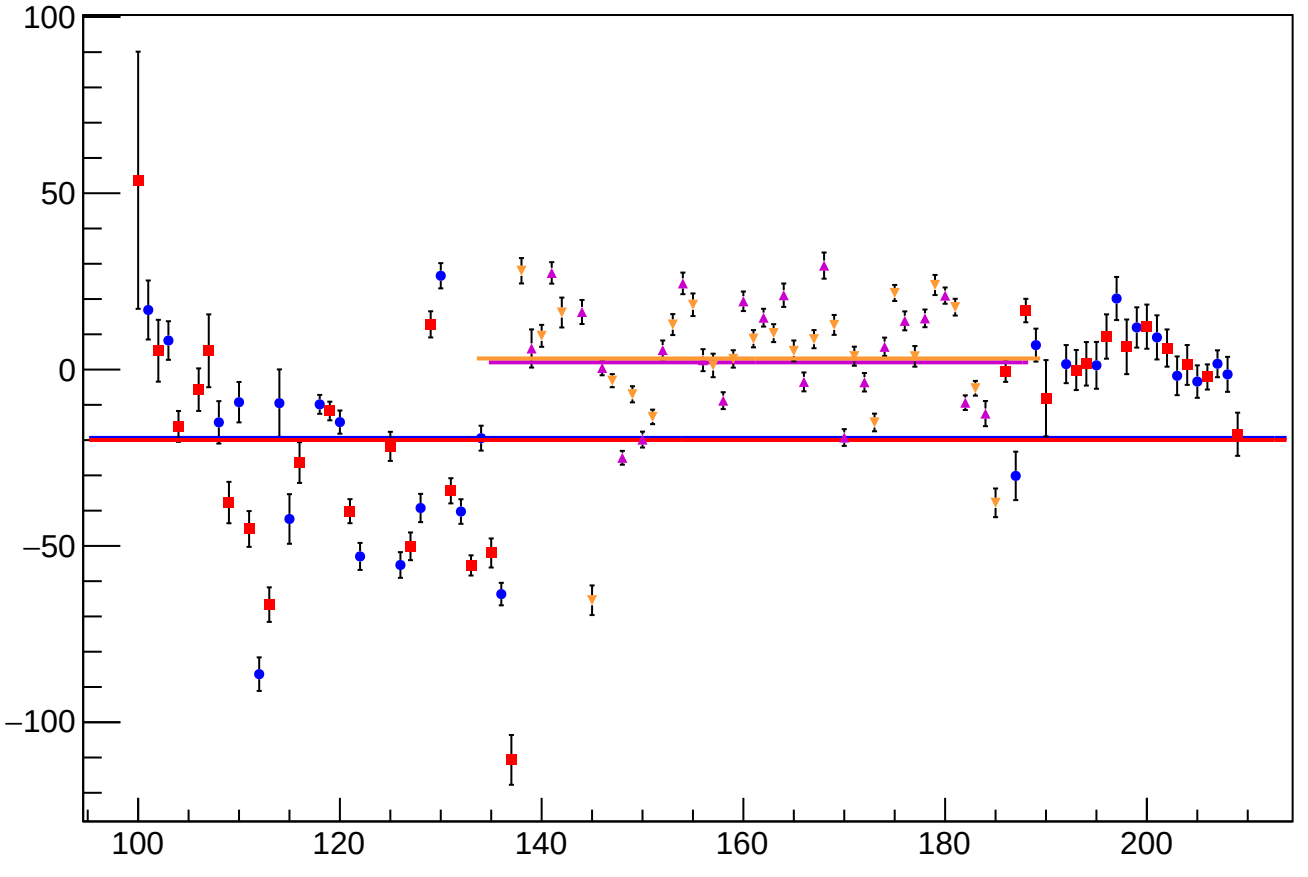
Right: 109.946+/-0.443 χ^2/NDF: 23479.5/56

In: 95.902+/-0.462 χ^2/NDF:13958.5/49

Out: 99.447+/-0.429 χ^2/NDF:17264.2/53

All: 97.804+/-0.314 χ^2/NDF: 31254.3/103

reg_asym_us_avg_at1lr_avg_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -19.377+/-0.860 χ^2/NDF: 1082.5/26

Left Out: 3.151+/-0.544 χ^2/NDF:813.9/23

Right Out: -19.962+/-0.829 χ^2/NDF: 1042.3/29

Left In: 2.050+/-0.551 χ^2/NDF:850.8/22

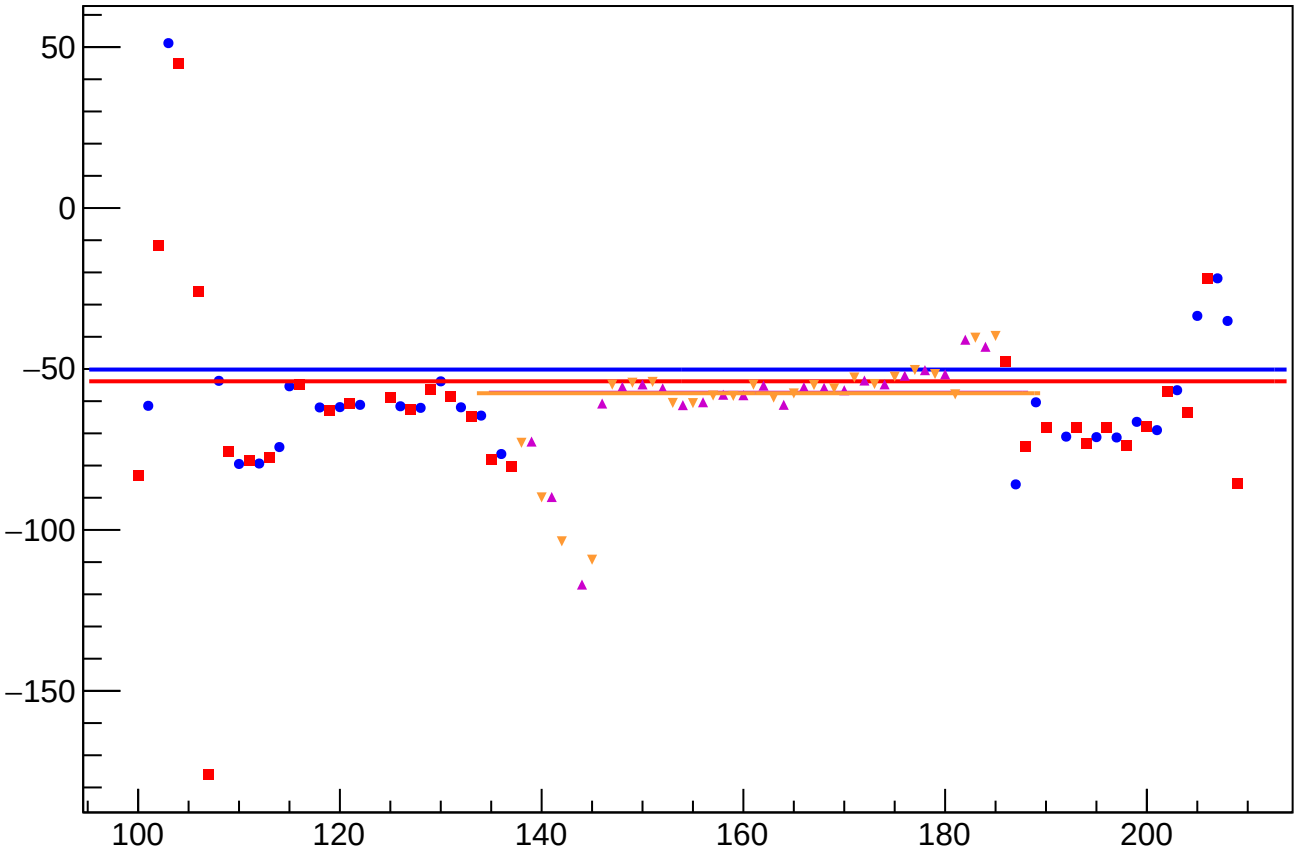
Left: 2.608+/-0.387 χ^2/NDF: 1666.7/46

Right: -19.680+/-0.597 χ^2/NDF: 2125.1/56

In: -4.191+/-0.464 χ^2/NDF:2373.8/49

Out: -3.804+/-0.455 χ^2/NDF:2399.9/53

All: -3.994+/-0.325 χ^2/NDF: 4774.0/103



Right In: -50.177+/-0.041 χ^2/NDF: 703456.1/26

Left Out: -57.532+/-0.025 χ^2/NDF:267030.7/23

Right Out: -53.828+/-0.041 χ^2/NDF: 632061.7/29

Left In: -57.377+/-0.025 χ^2/NDF:227136.8/22

Left: -57.455+/-0.018 χ^2/NDF: 494187.3/46

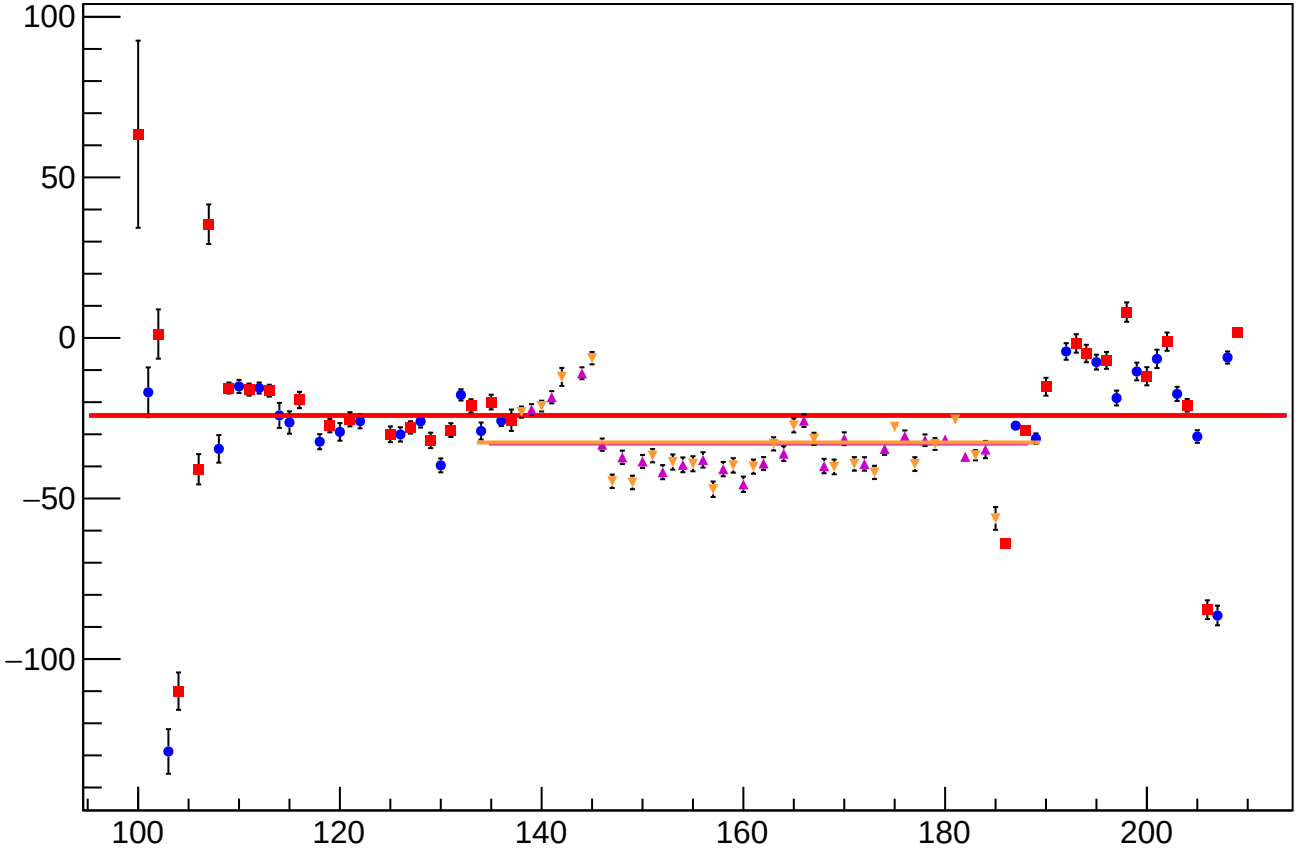
Right: -52.009+/-0.029 χ^2/NDF: 1339427.6/56

In: -55.478+/-0.021 χ^2/NDF:952898.9/49

Out: -56.550+/-0.021 χ^2/NDF:905027.2/53

All: -56.014+/-0.015 χ^2/NDF: 1859198.4/103

reg_asym_us_avg_at1lr_avg_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -24.076+/-0.432 χ^2/NDF: 1099.9/26

Left Out: -32.549+/-0.407 χ^2/NDF:603.6/23

Right Out: -24.258+/-0.390 χ^2/NDF: 2365.5/29

Left In: -32.867+/-0.411 χ^2/NDF:373.2/22

Left: -32.706+/-0.289 χ^2/NDF: 977.1/46

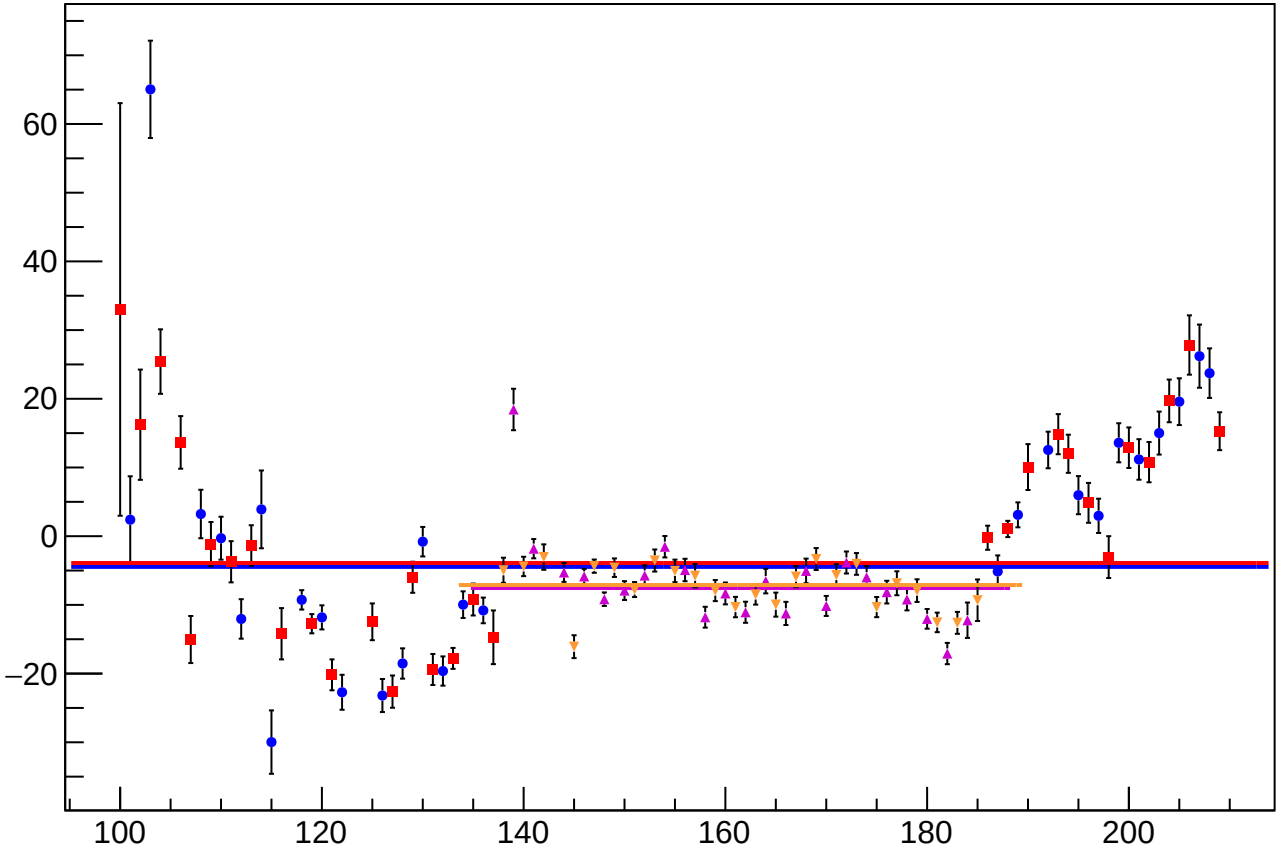
Right: -24.176+/-0.289 χ^2/NDF: 3465.5/56

In: -28.684+/-0.298 χ^2/NDF:1690.4/49

Out: -28.233+/-0.282 χ^2/NDF:3185.6/53

All: -28.446+/-0.205 χ^2/NDF: 4877.3/103

reg_asym_us_avg_at1lr_avg_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -4.467+/-0.485 χ^2/NDF: 742.7/26

Left Out: -7.110+/-0.309 χ^2/NDF:109.5/23

Right Out: -3.903+/-0.455 χ^2/NDF: 737.8/29

Left In: -7.547+/-0.315 χ^2/NDF:199.7/22

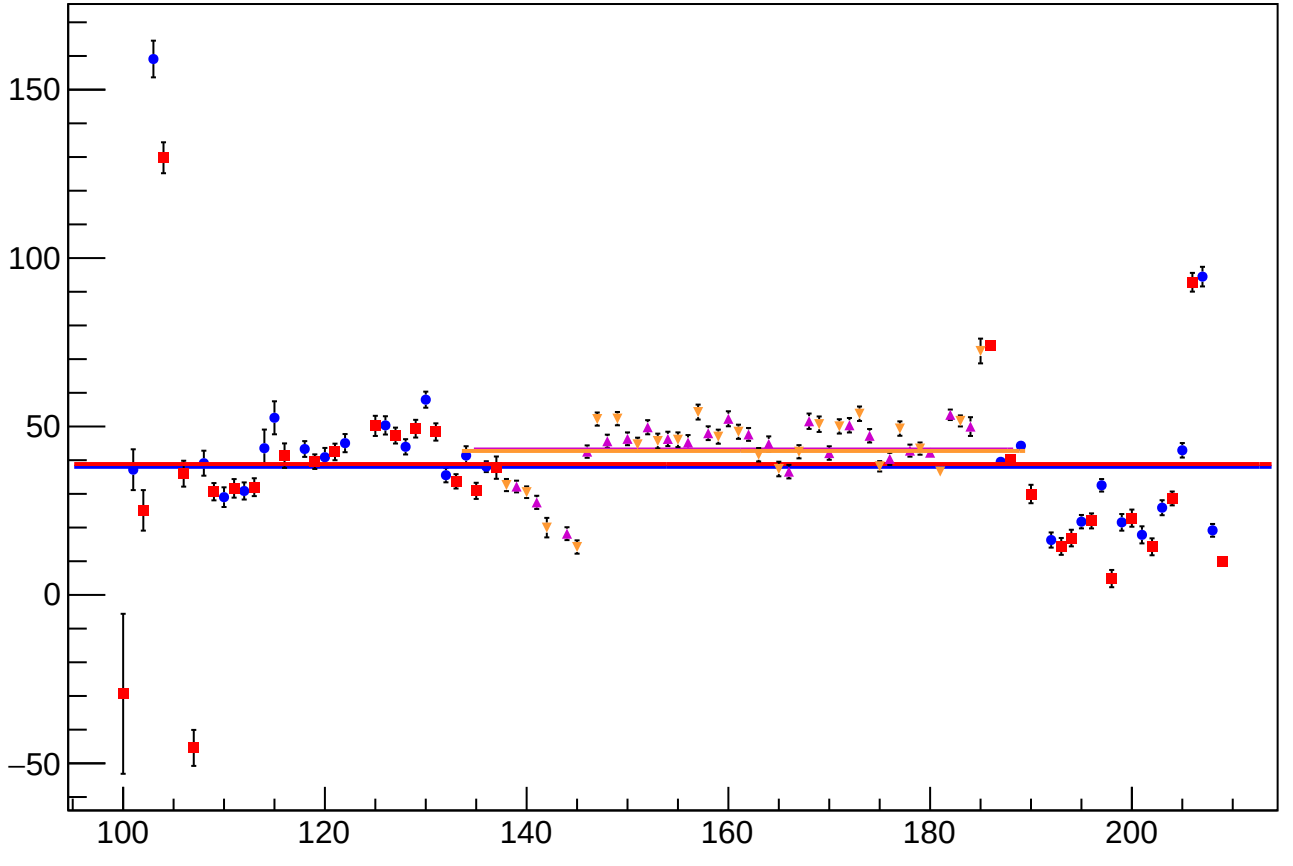
Left: -7.324+/-0.221 χ^2/NDF: 310.2/46

Right: -4.167+/-0.332 χ^2/NDF: 1481.2/56

In: -6.633+/-0.264 χ^2/NDF:970.7/49

Out: -6.096+/-0.256 χ^2/NDF:881.3/53

All: -6.356+/-0.184 χ^2/NDF: 1854.2/103



Right In: 38.034+/-0.434 χ^2/NDF: 1444.0/26

Left Out: 42.745+/-0.403 χ^2/NDF:631.5/23

Right Out: 38.856+/-0.378 χ^2/NDF: 3065.9/29

Left In: 43.169+/-0.407 χ^2/NDF:413.0/22

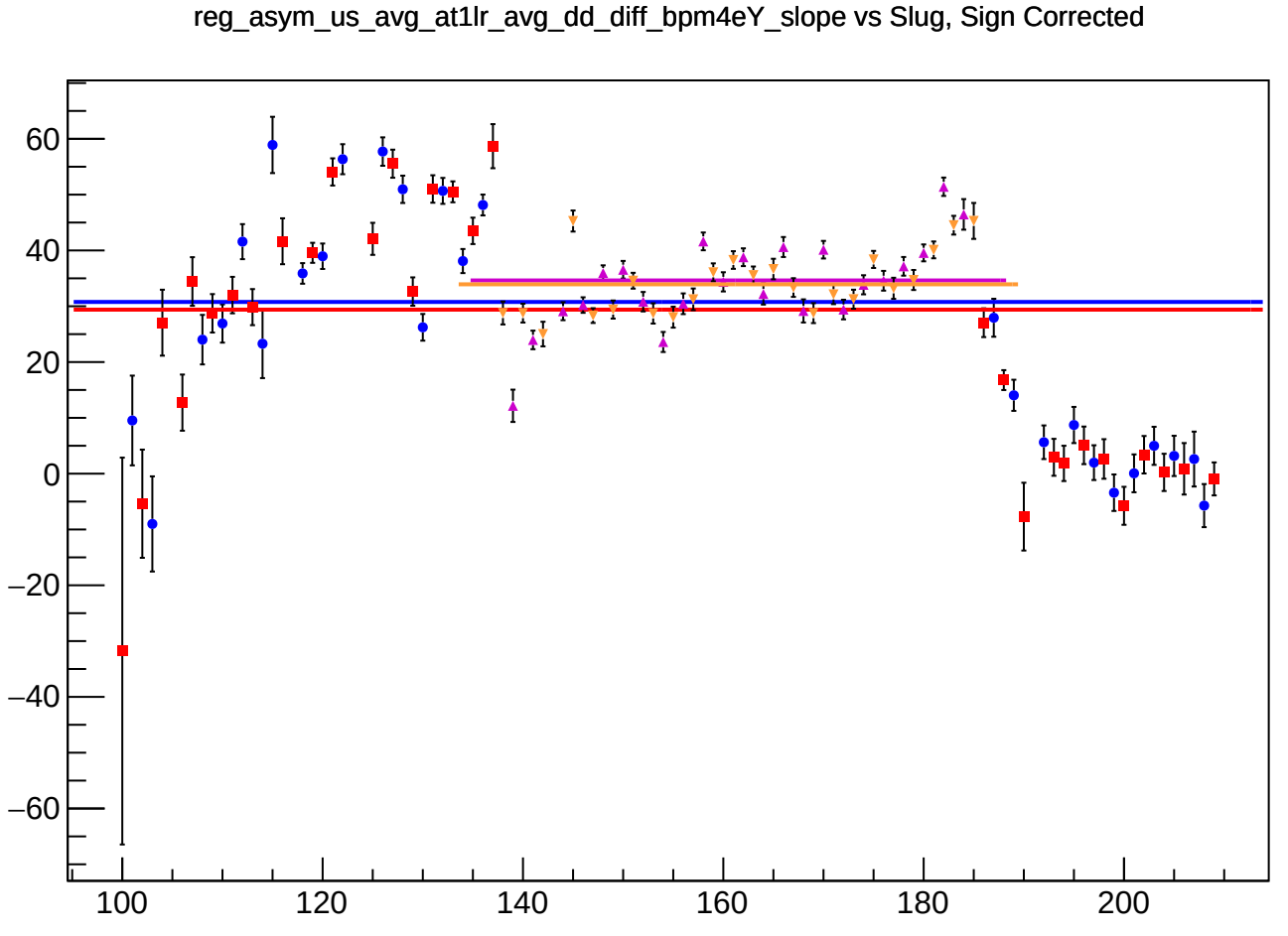
Left: 42.955+/-0.287 χ^2/NDF: 1045.1/46

Right: 38.501+/-0.285 χ^2/NDF: 4511.9/56

In: 40.764+/-0.297 χ^2/NDF:1931.5/49

Out: 40.673+/-0.276 χ^2/NDF:3746.9/53

All: 40.715+/-0.202 χ^2/NDF: 5678.5/103



Right In: 30.768+/-0.567 χ^2/NDF: 1209.7/26

Left Out: 33.930+/-0.351 χ^2/NDF:216.5/23

Right Out: 29.392+/-0.546 χ^2/NDF: 1321.1/29

Left In: 34.623+/-0.356 χ^2/NDF:376.1/22

Left: 34.271+/-0.250 χ^2/NDF: 594.5/46

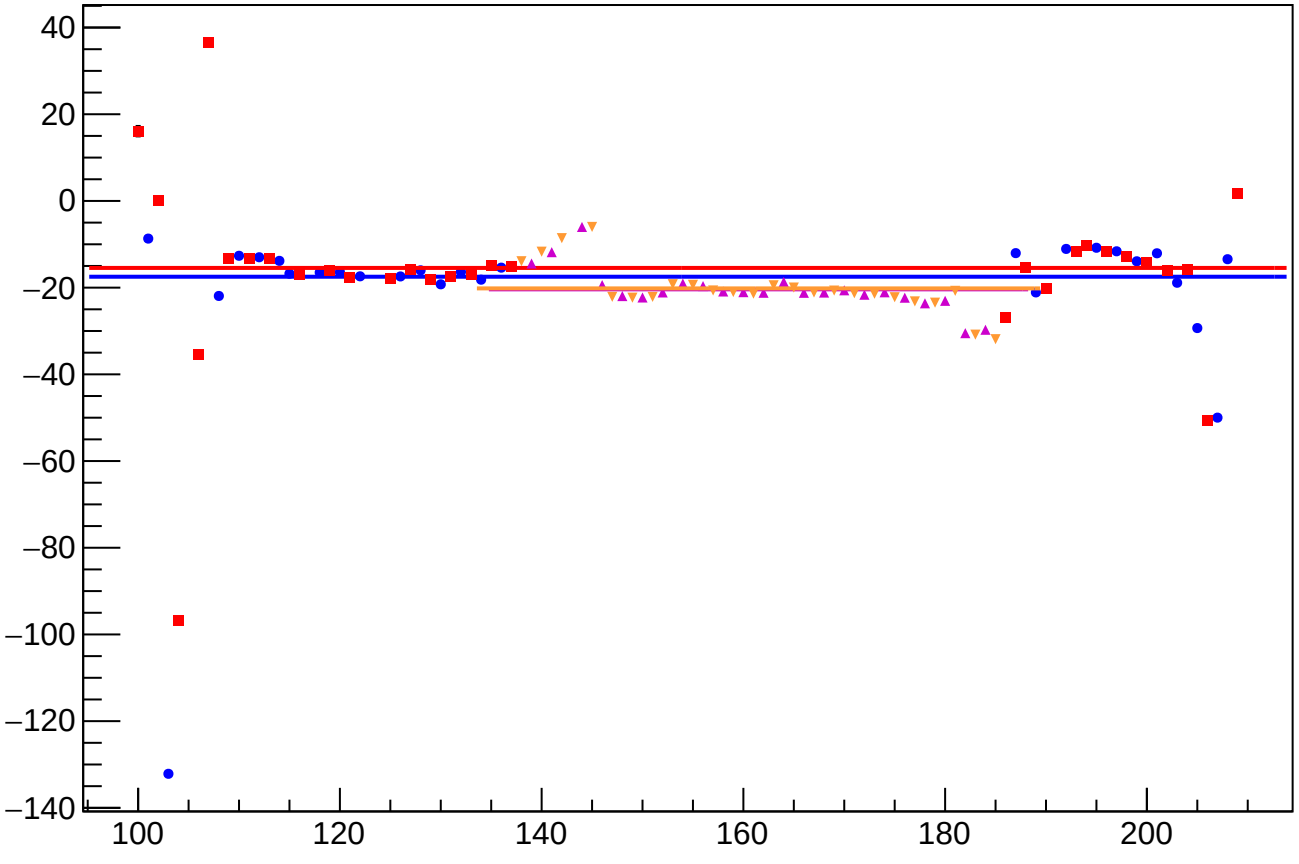
Right: 30.055+/-0.393 χ^2/NDF: 2533.8/56

In: 33.531+/-0.302 χ^2/NDF:1618.9/49

Out: 32.606+/-0.295 χ^2/NDF:1586.5/53

All: 33.058+/-0.211 χ^2/NDF: 3210.2/103

reg_asym_us_avg_at1lr_avg_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -17.482+/-0.027 χ^2/NDF: 304339.7/26

Left Out: -20.174+/-0.016 χ^2/NDF:99947.2/23

Right Out: -15.452+/-0.027 χ^2/NDF: 272703.8/29

Left In: -20.396+/-0.016 χ^2/NDF:81154.4/22

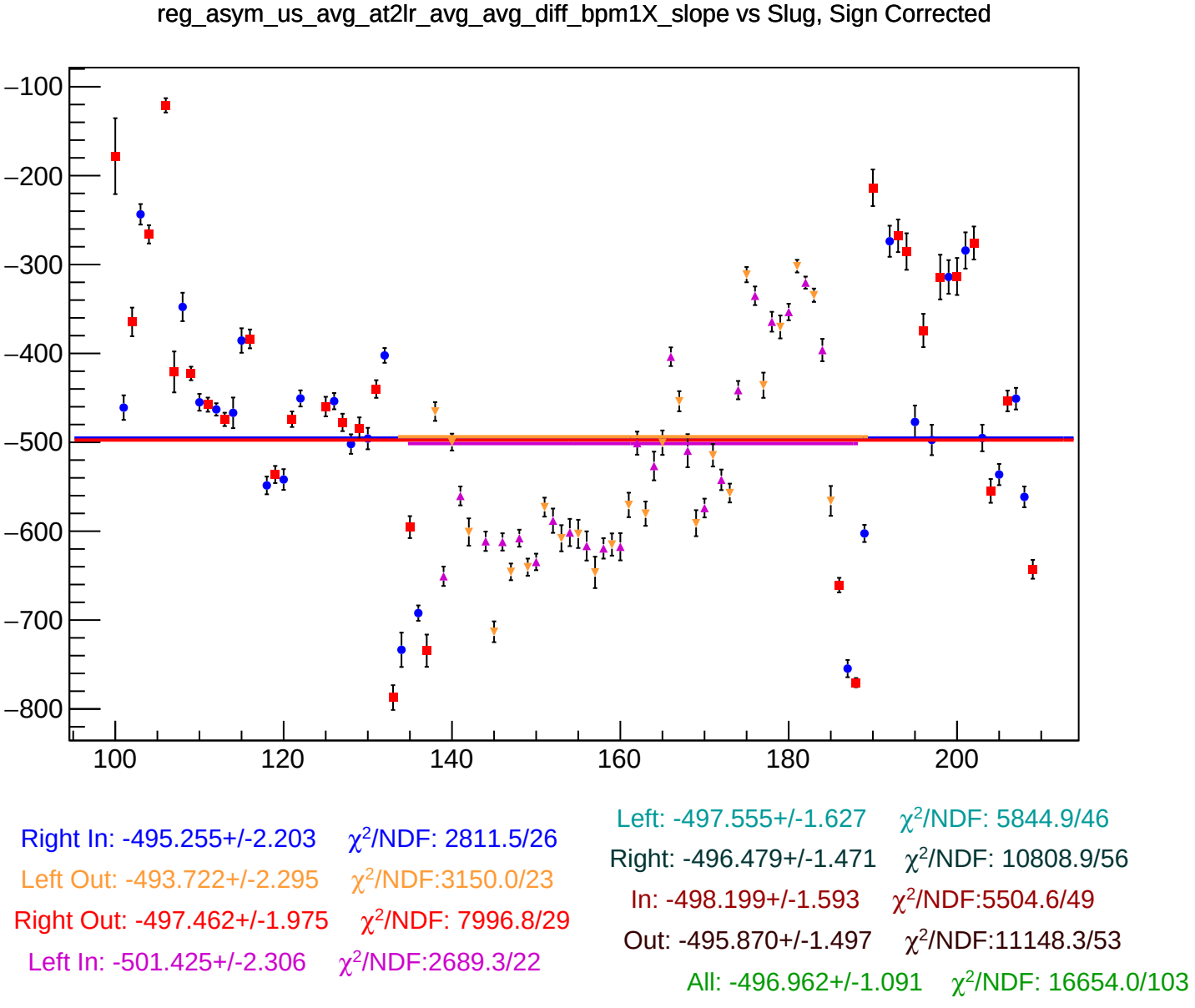
Left: -20.285+/-0.011 χ^2/NDF: 181200.8/46

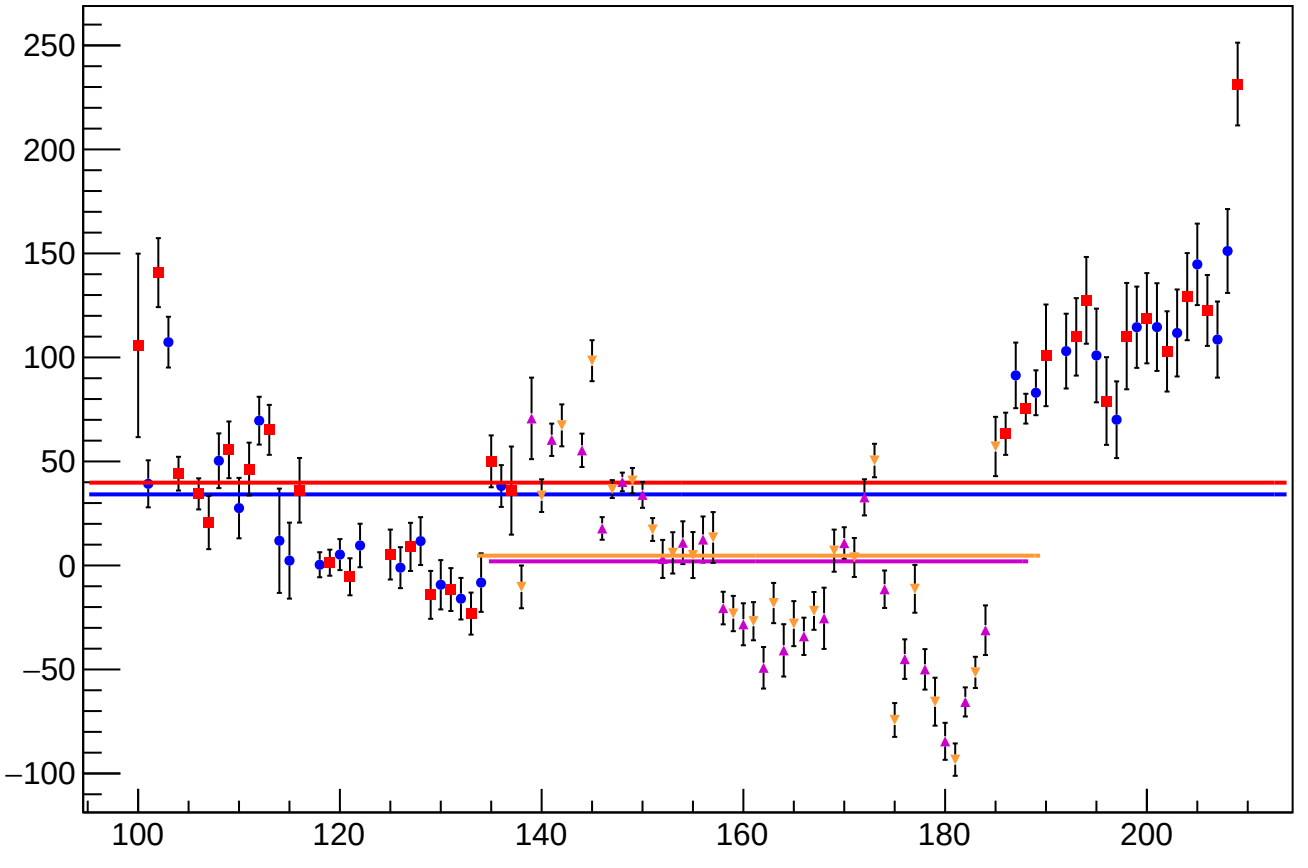
Right: -16.437+/-0.019 χ^2/NDF: 579875.9/56

In: -19.669+/-0.014 χ^2/NDF:394000.1/49

Out: -18.944+/-0.014 χ^2/NDF:395996.6/53

All: -19.304+/-0.010 χ^2/NDF: 791414.0/103


reg_asym_us_avg_at2lr_avg_avg_diff_bpm1X_slope vs Slug, Sign Corrected
−100
−200
−300
−400
−500
−600
−700
−800
100
120
140
160
180
200
Right In: -495.255+/-2.203 χ²/NDF: 2811.5/26
Left Out: -493.722+/-2.295 χ²/NDF:3150.0/23
Right Out: -497.462+/-1.975 χ²/NDF: 7996.8/29
Left In: -501.425+/-2.306 χ²/NDF:2689.3/22
Left: -497.555+/-1.627 χ²/NDF: 5844.9/46
Right: -496.479+/-1.471 χ²/NDF: 10808.9/56
In: -498.199+/-1.593 χ²/NDF:5504.6/49
Out: -495.870+/-1.497 χ²/NDF:11148.3/53
All: -496.962+/-1.091 χ²/NDF: 16654.0/103



Right In: 34.164+/-2.372 χ^2/NDF: 356.1/26

Left Out: 4.709+/-1.696 χ^2/NDF:680.3/23

Right Out: 39.809+/-2.198 χ^2/NDF: 451.7/29

Left In: 1.970+/-1.722 χ^2/NDF:560.8/22

Left: 3.360+/-1.208 χ^2/NDF: 1242.4/46

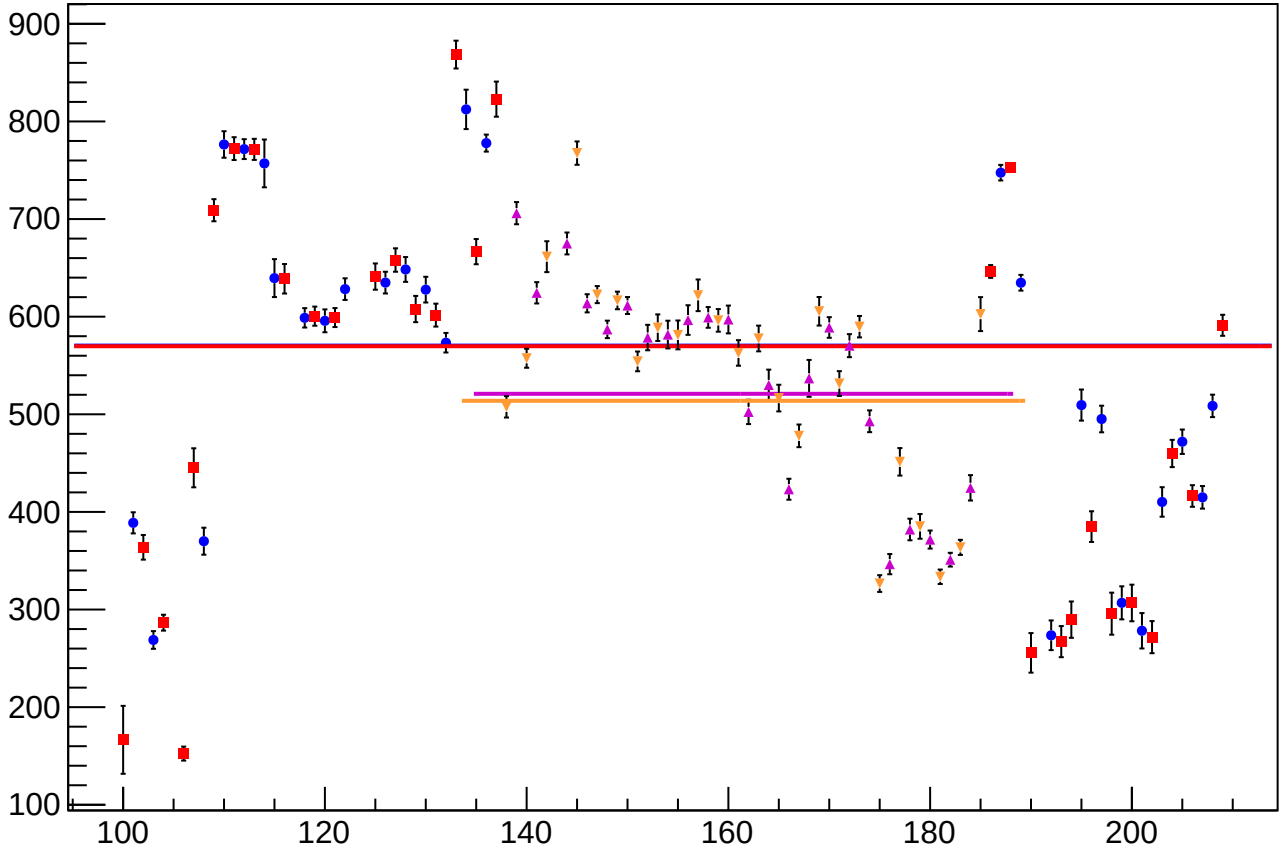
Right: 37.200+/-1.612 χ^2/NDF: 810.9/56

In: 13.082+/-1.393 χ^2/NDF:1037.6/49

Out: 17.802+/-1.343 χ^2/NDF:1291.8/53

All: 15.529+/-0.967 χ^2/NDF: 2335.4/103

reg_asym_us_avg_at2lr_avg_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 570.359+/-2.273 χ^2/NDF: 5000.8/26

Left Out: 513.833+/-2.277 χ^2/NDF:2735.5/23

Right Out: 569.734+/-1.969 χ^2/NDF: 10671.0/29

Left In: 520.990+/-2.283 χ^2/NDF:2442.8/22

Left: 517.401+/-1.612 χ^2/NDF: 5183.2/46

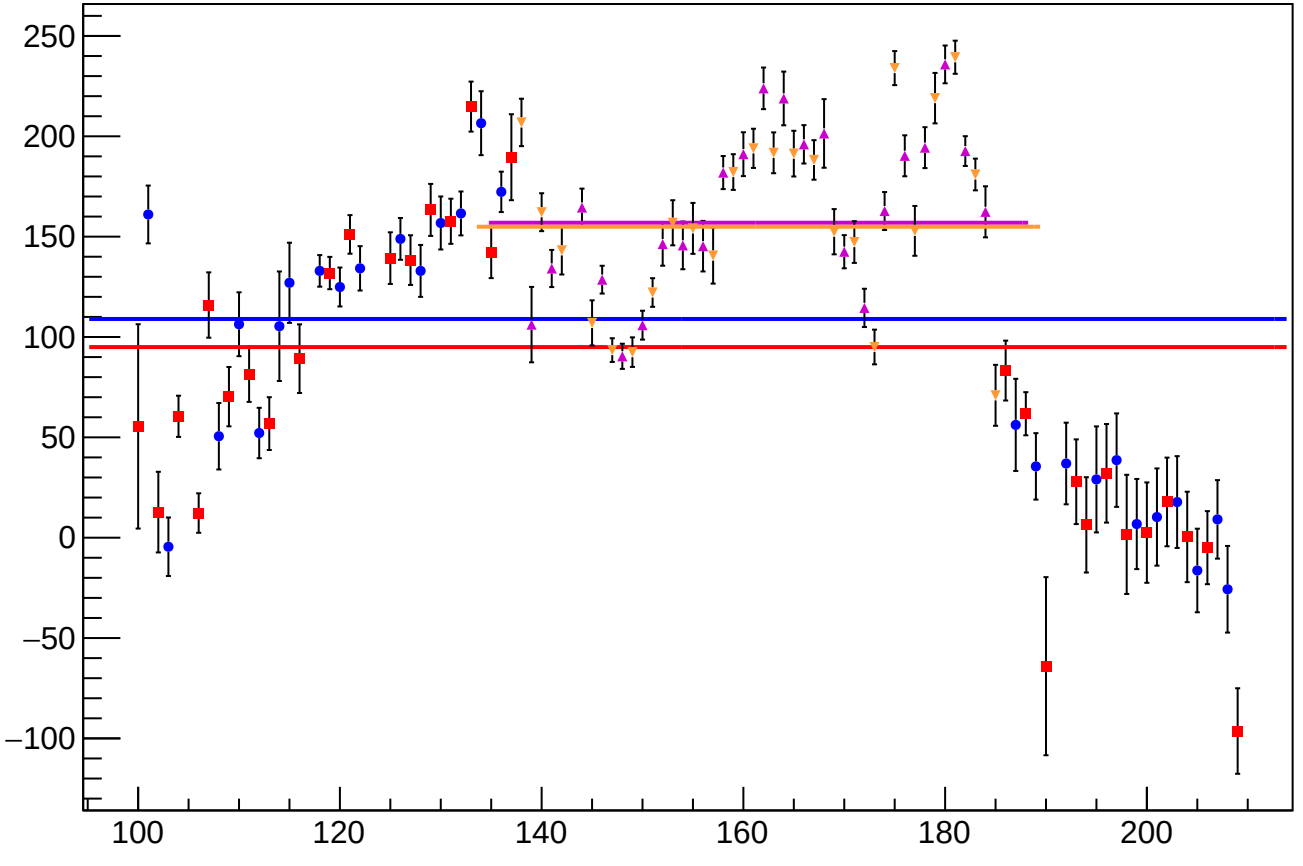
Right: 570.002+/-1.488 χ^2/NDF: 15671.8/56

In: 545.788+/-1.611 χ^2/NDF:7678.4/49

Out: 545.822+/-1.489 χ^2/NDF:13751.4/53

All: 545.806+/-1.093 χ^2/NDF: 21429.8/103

reg_asym_us_avg_at2lr_avg_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 108.983+/-2.781 χ^2/NDF: 466.2/26

Left Out: 154.944+/-1.953 χ^2/NDF:609.0/23

Right Out: 94.974+/-2.633 χ^2/NDF: 594.6/29

Left In: 156.934+/-1.971 χ^2/NDF:443.2/22

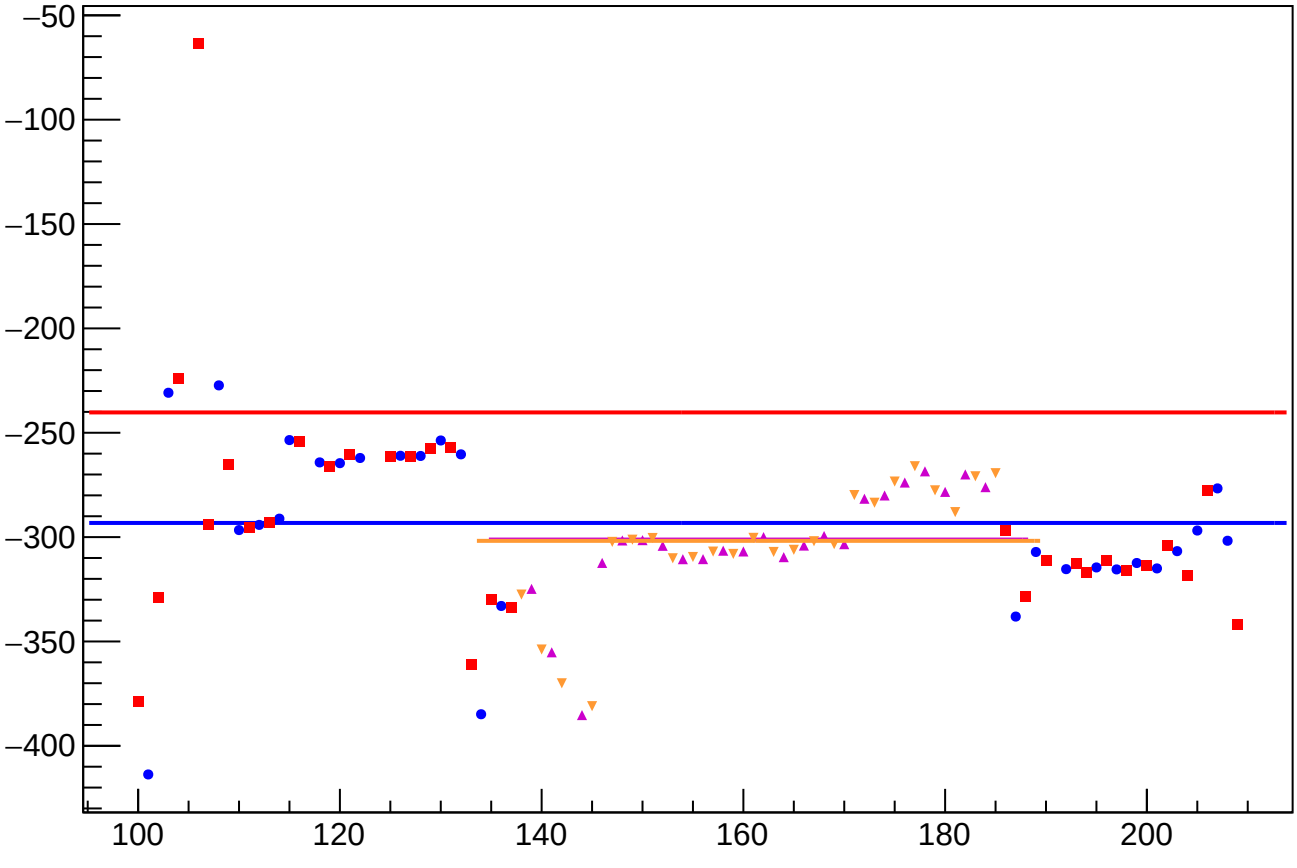
Left: 155.930+/-1.387 χ^2/NDF: 1052.7/46

Right: 101.596+/-1.912 χ^2/NDF: 1074.2/56

In: 140.902+/-1.608 χ^2/NDF:1107.2/49

Out: 133.662+/-1.569 χ^2/NDF:1538.2/53

All: 137.192+/-1.123 χ^2/NDF: 2655.8/103



Right In: -293.209+/-0.142 χ^2/NDF: 113611.6/26

Left Out: -301.785+/-0.091 χ^2/NDF:86719.4/23

Right Out: -240.259+/-0.124 χ^2/NDF: 693537.4/29

Left In: -301.176+/-0.090 χ^2/NDF:75325.3/22

Left: -301.478+/-0.064 χ^2/NDF: 162067.4/46

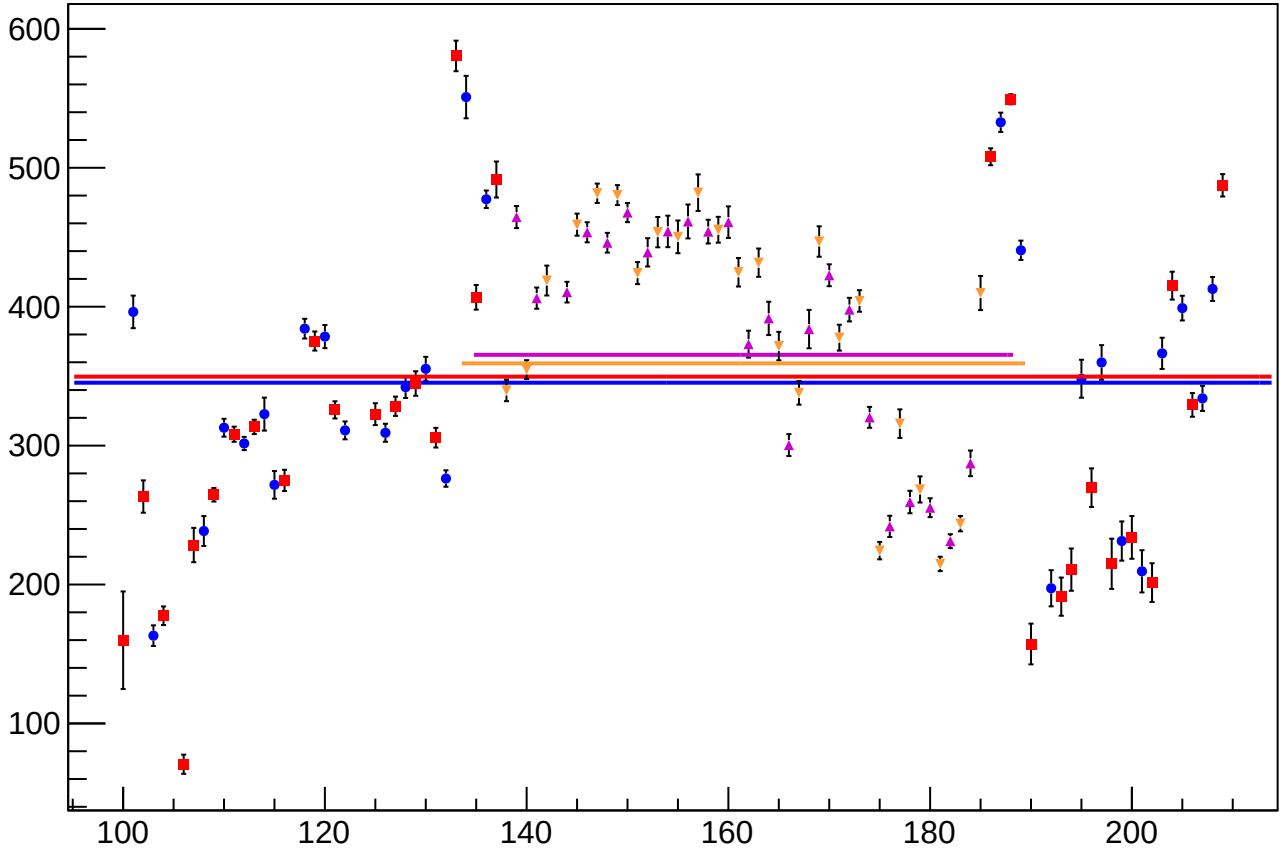
Right: -263.105+/-0.093 χ^2/NDF: 886411.2/56

In: -298.888+/-0.076 χ^2/NDF:191186.2/49

Out: -280.209+/-0.073 χ^2/NDF:941309.1/53

All: -289.192+/-0.053 χ^2/NDF: 1163847.9/10

reg_asym_us_avg_at2lr_avg_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 345.296+/-1.572 χ^2/NDF: 3046.4/26

Left Out: 359.188+/-1.681 χ^2/NDF:3187.9/23

Right Out: 349.658+/-1.407 χ^2/NDF: 8331.0/29

Left In: 365.362+/-1.692 χ^2/NDF:2739.5/22

Left: 362.254+/-1.193 χ^2/NDF: 5934.1/46

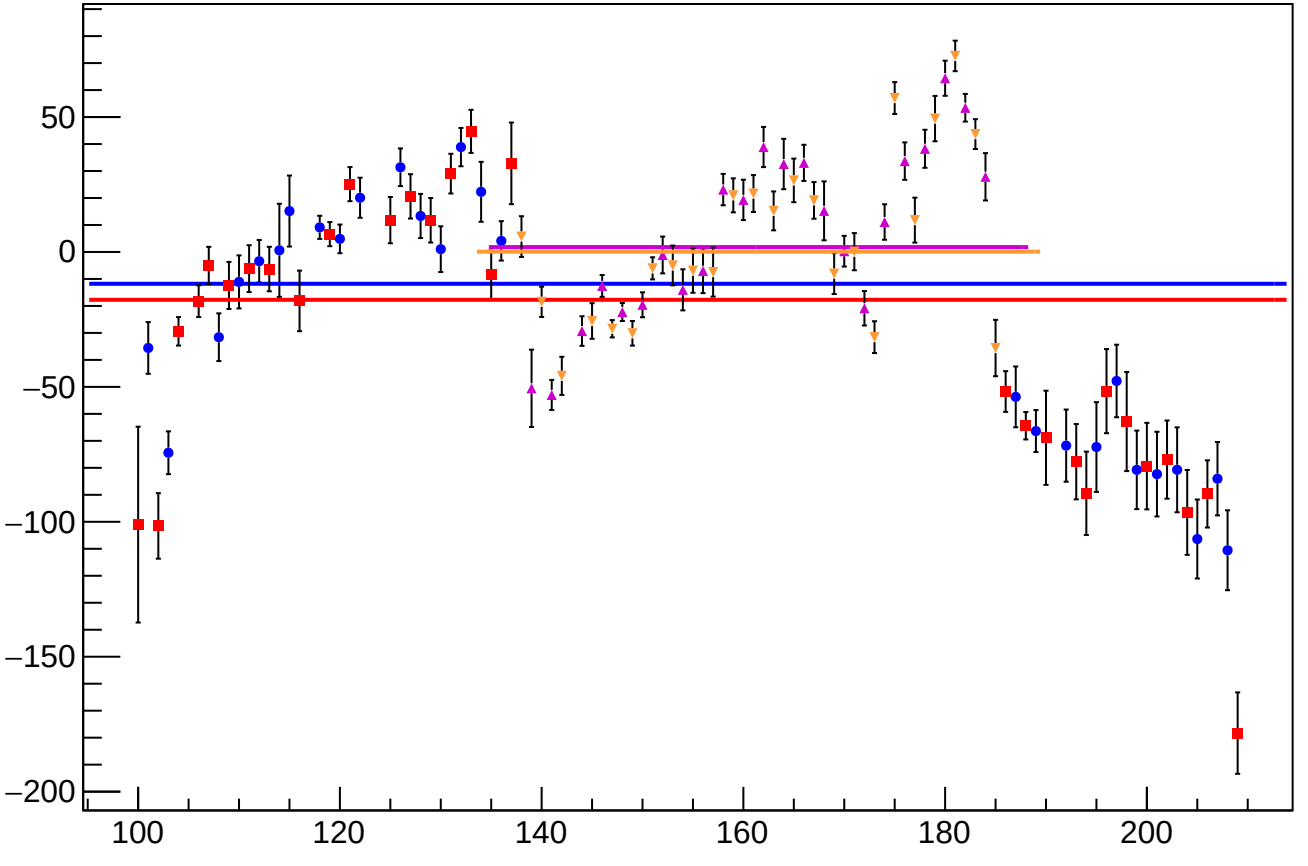
Right: 347.718+/-1.048 χ^2/NDF: 11381.7/56

In: 354.588+/-1.152 χ^2/NDF:5861.3/49

Out: 353.583+/-1.079 χ^2/NDF:11537.8/53

All: 354.053+/-0.787 χ^2/NDF: 17399.6/103

reg_asym_us_avg_at2lr_avg_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -11.789+/-1.700 χ^2/NDF: 526.4/26

Left Out: 0.114+/-1.247 χ^2/NDF:637.9/23

Right Out: -17.725+/-1.559 χ^2/NDF: 668.7/29

Left In: 1.812+/-1.267 χ^2/NDF:577.0/22

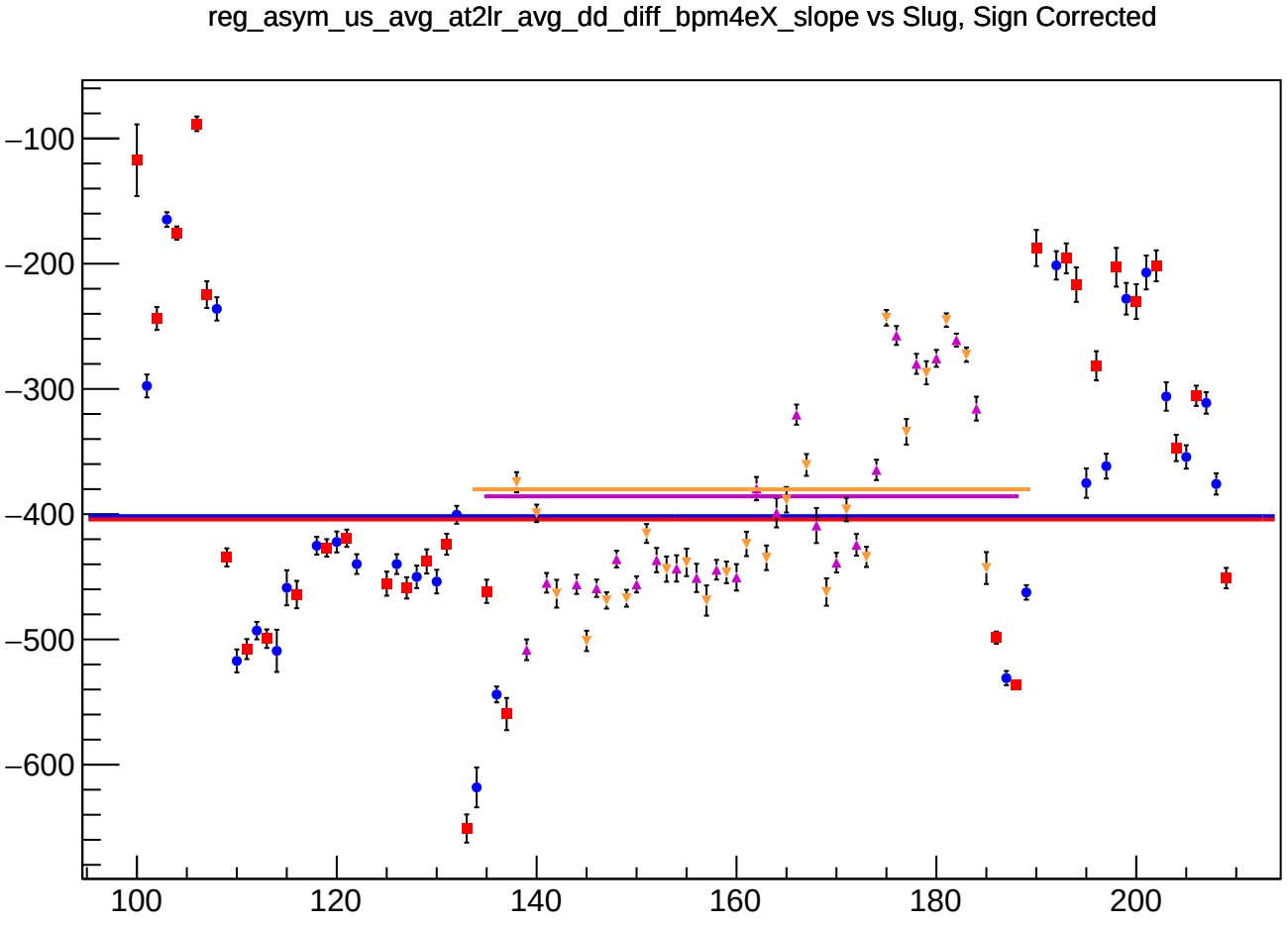
Left: 0.950+/-0.889 χ^2/NDF: 1215.9/46

Right: -15.014+/-1.149 χ^2/NDF: 1201.7/56

In: -3.043+/-1.016 χ^2/NDF:1144.6/49

Out: -6.844+/-0.974 χ^2/NDF:1386.4/53

All: -5.024+/-0.703 χ^2/NDF: 2538.3/103



Right In: -401.602+/-1.629 χ^2/NDF: 4861.7/26

Left Out: -380.144+/-1.670 χ^2/NDF:2618.6/23

Right Out: -404.237+/-1.409 χ^2/NDF: 10687.7/29

Left In: -385.725+/-1.677 χ^2/NDF:2361.2/22

Left: -382.922+/-1.183 χ^2/NDF: 4985.4/46

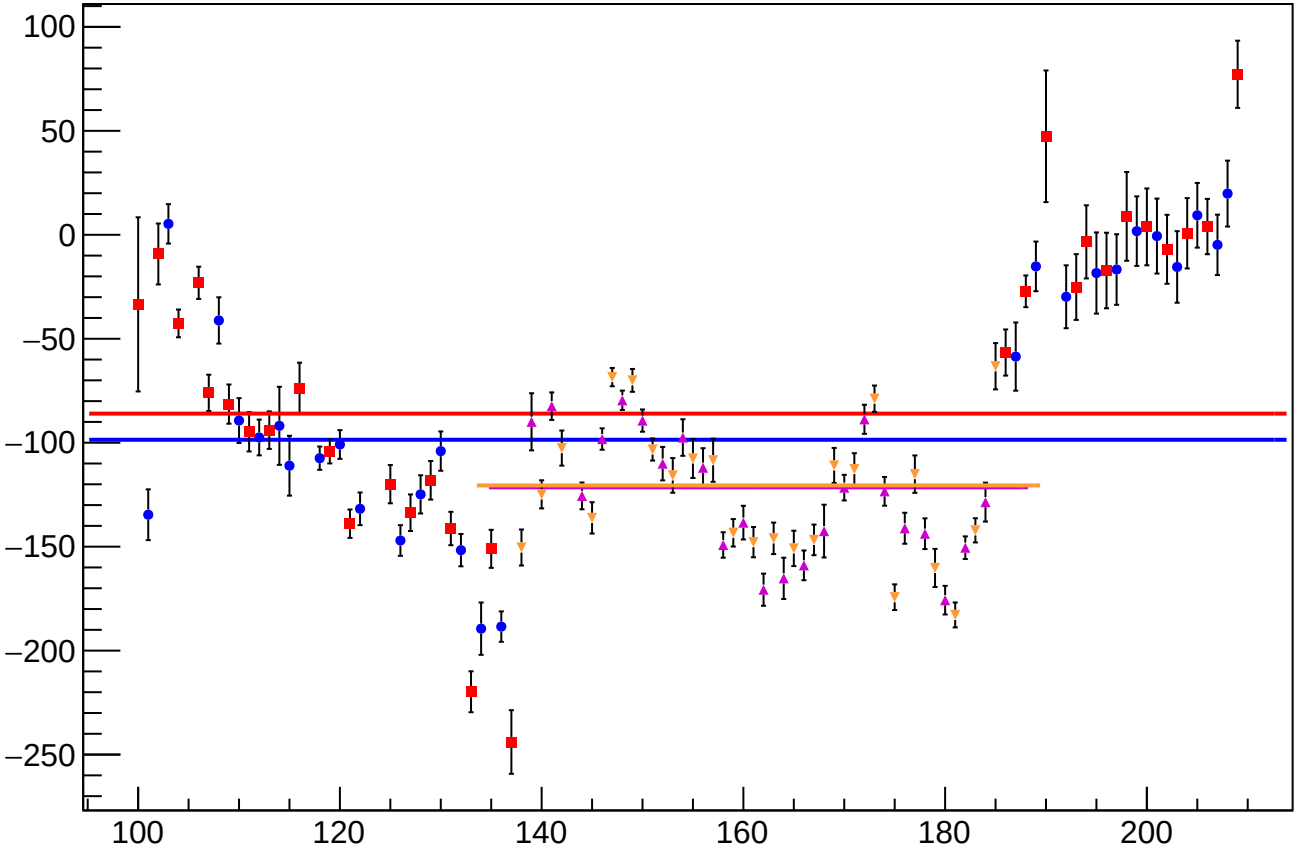
Right: -403.109+/-1.066 χ^2/NDF: 15550.9/56

In: -393.891+/-1.169 χ^2/NDF:7269.0/49

Out: -394.213+/-1.077 χ^2/NDF:13427.9/53

All: -394.065+/-0.792 χ^2/NDF: 20697.0/103

reg_asym_us_avg_at2lr_avg_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -98.578+/-1.993 χ^2/NDF: 828.3/26

Left Out: -120.541+/-1.435 χ^2/NDF:611.5/23

Right Out: -86.001+/-1.866 χ^2/NDF: 1031.2/29

Left In: -121.453+/-1.450 χ^2/NDF:432.6/22

Left: -120.992+/-1.020 χ^2/NDF: 1044.3/46

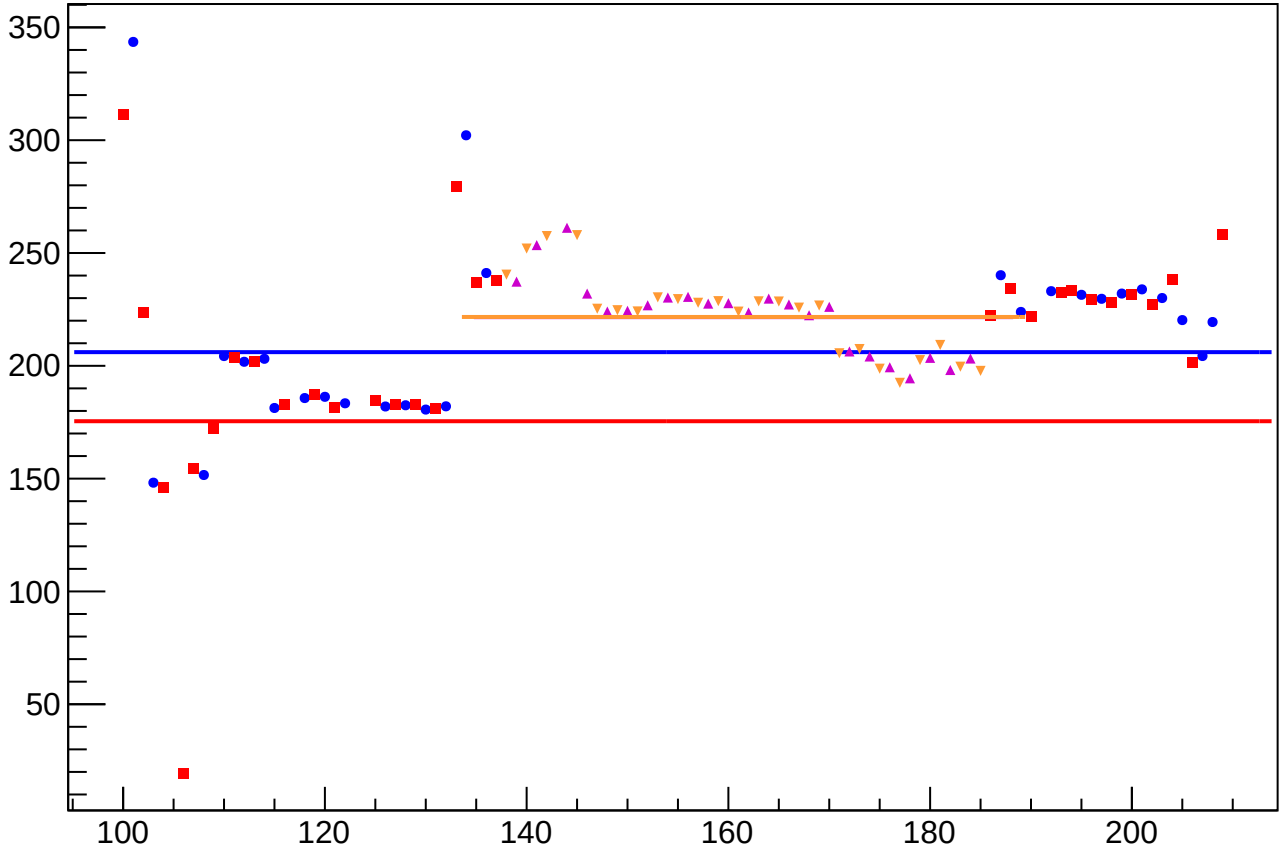
Right: -91.877+/-1.362 χ^2/NDF: 1880.8/56

In: -113.538+/-1.172 χ^2/NDF:1347.1/49

Out: -107.706+/-1.138 χ^2/NDF:1857.9/53

All: -110.535+/-0.816 χ^2/NDF: 3217.8/103

reg_asym_us_avg_at2lr_avg_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 206.060+/-0.101 χ^2/NDF: 201564.0/26

Left Out: 221.652+/-0.067 χ^2/NDF:67213.0/23

Right Out: 175.442+/-0.091 χ^2/NDF: 662390.9/29

Left In: 221.574+/-0.066 χ^2/NDF:62122.0/22

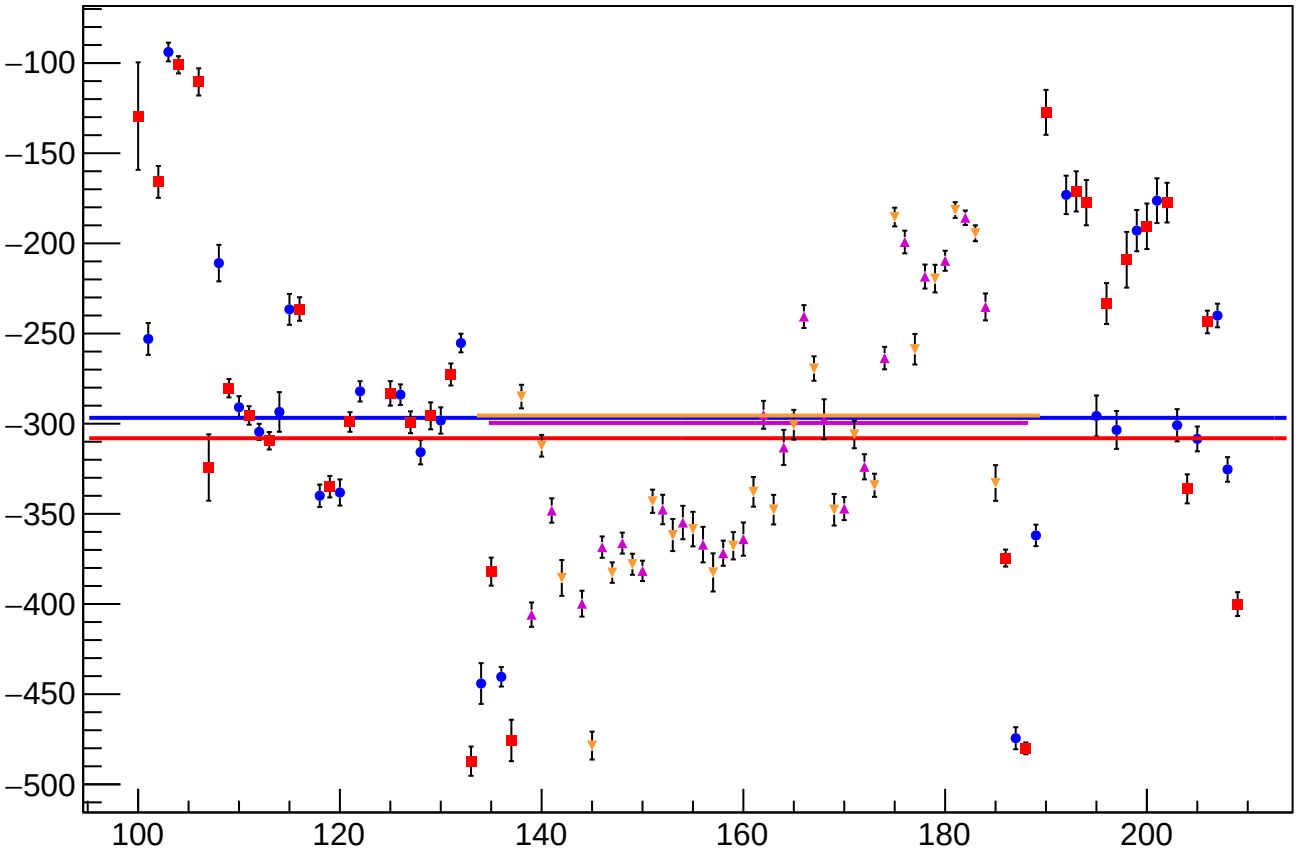
Left: 221.612+/-0.047 χ^2/NDF: 129335.7/46

Right: 189.153+/-0.068 χ^2/NDF: 914300.8/56

In: 216.936+/-0.055 χ^2/NDF:280097.1/49

Out: 205.582+/-0.054 χ^2/NDF:896632.1/53

All: 211.094+/-0.039 χ^2/NDF: 1198311.8/103



Right In: -296.760+/-1.338 χ^2/NDF: 4103.0/26

Left Out: -295.464+/-1.393 χ^2/NDF:3346.3/23

Right Out: -308.070+/-1.227 χ^2/NDF: 7925.7/29

Left In: -299.588+/-1.397 χ^2/NDF:2971.7/22

Left: -297.520+/-0.986 χ^2/NDF: 6322.4/46

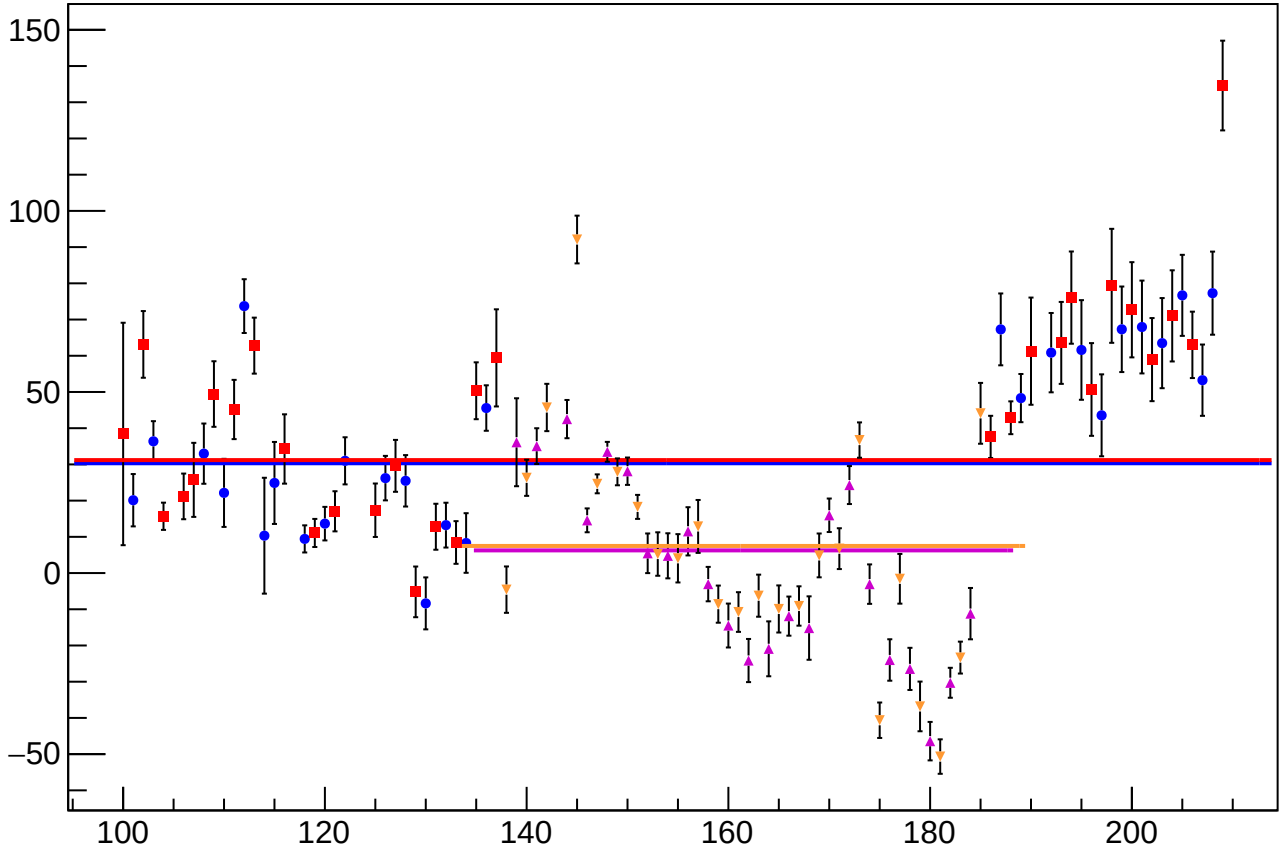
Right: -302.906+/-0.904 χ^2/NDF: 12067.6/56

In: -298.113+/-0.966 χ^2/NDF:7076.9/49

Out: -302.563+/-0.921 χ^2/NDF:11318.2/53

All: -300.446+/-0.667 χ^2/NDF: 18406.2/103

reg_asym_us_avg_atlr_avg_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 30.315+/-1.443 χ^2/NDF: 235.2/26

Left Out: 7.486+/-1.030 χ^2/NDF:738.5/23

Right Out: 31.189+/-1.347 χ^2/NDF: 305.3/29

Left In: 6.259+/-1.045 χ^2/NDF:559.4/22

Left: 6.881+/-0.733 χ^2/NDF: 1298.6/46

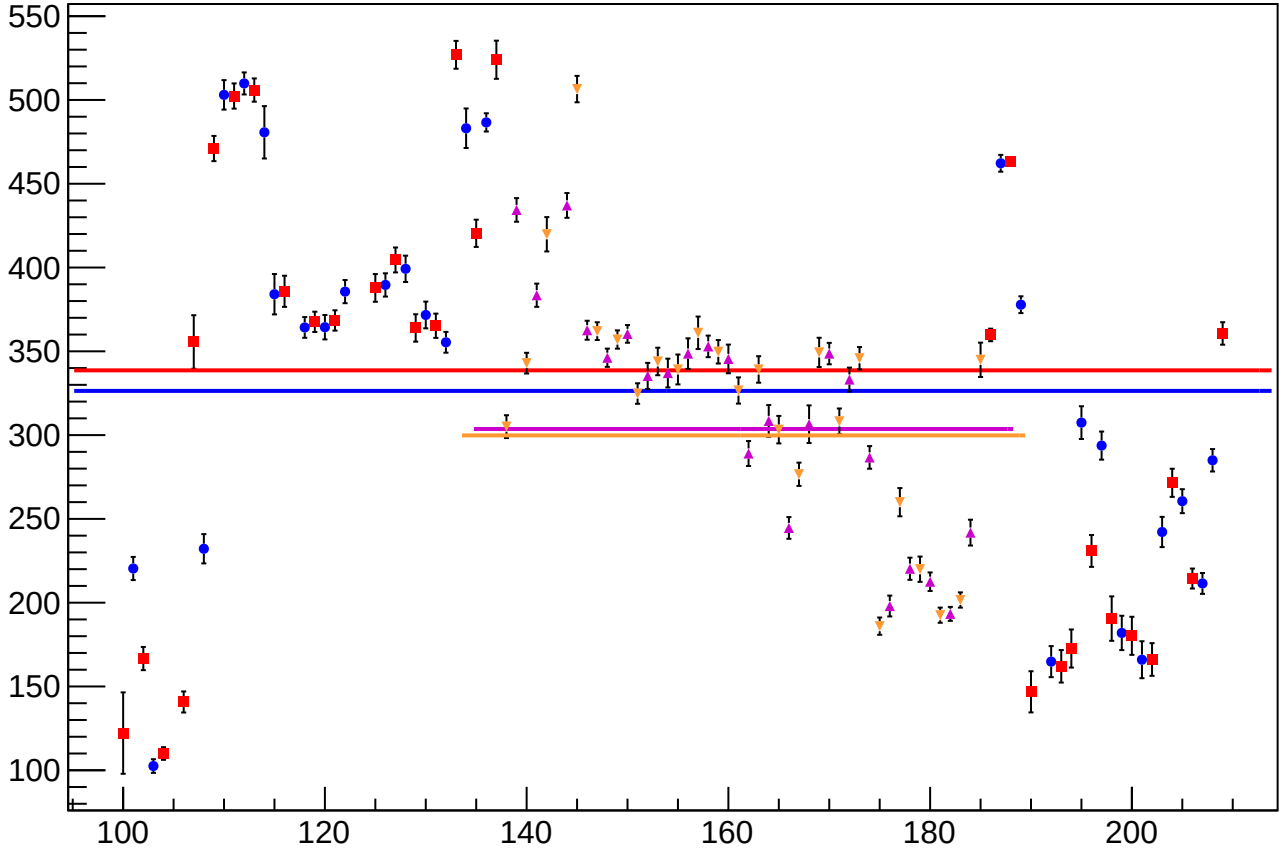
Right: 30.782+/-0.985 χ^2/NDF: 540.6/56

In: 14.537+/-0.846 χ^2/NDF:977.0/49

Out: 16.224+/-0.818 χ^2/NDF:1239.1/53

All: 15.409+/-0.588 χ^2/NDF: 2218.1/103

reg_asym_us_avg_atlr_avg_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 326.389+/-1.360 χ^2/NDF: 8214.9/26

Left Out: 299.825+/-1.381 χ^2/NDF:3076.1/23

Right Out: 338.641+/-1.206 χ^2/NDF: 12152.1/29

Left In: 303.652+/-1.383 χ^2/NDF:2872.6/22

Left: 301.736+/-0.977 χ^2/NDF: 5952.5/46

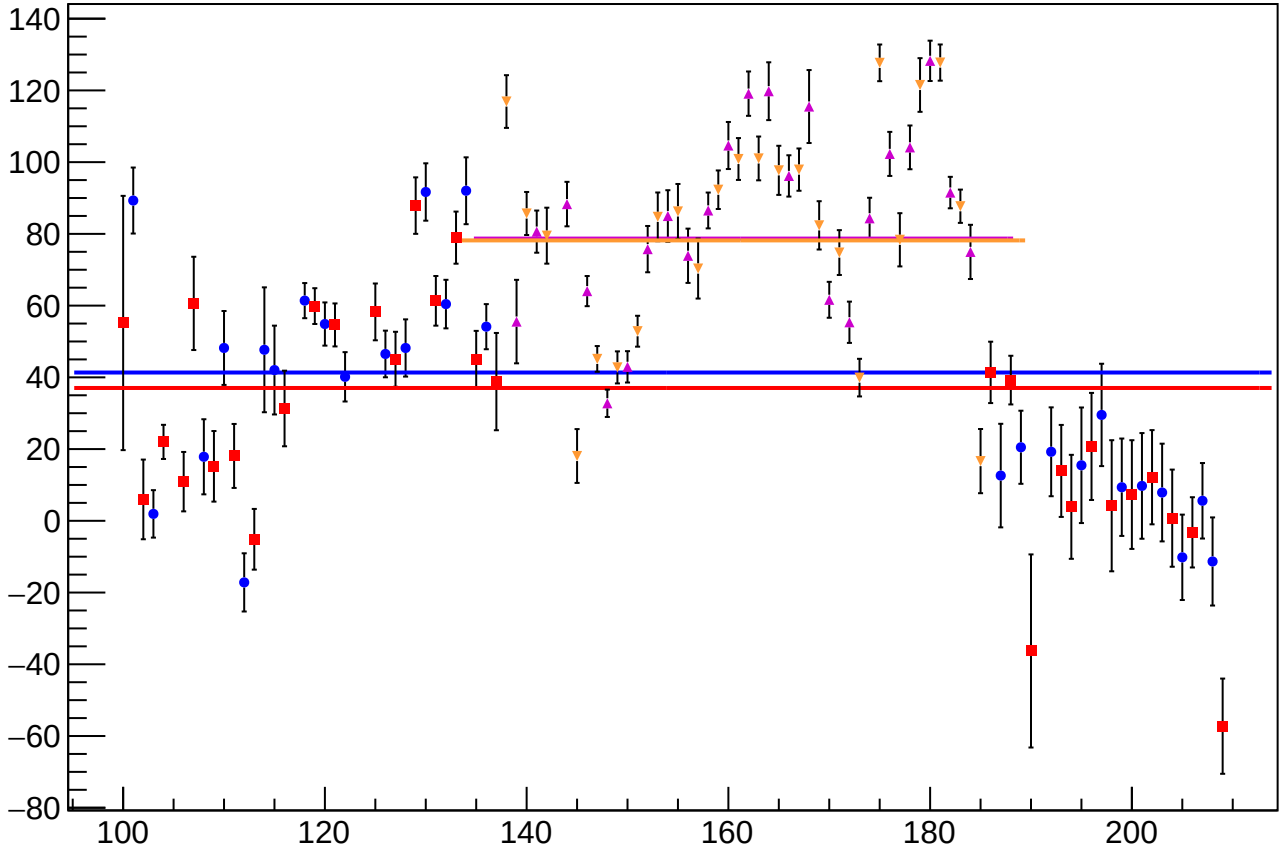
Right: 333.248+/-0.902 χ^2/NDF: 20412.4/56

In: 315.211+/-0.969 χ^2/NDF:11225.0/49

Out: 321.854+/-0.908 χ^2/NDF:15676.5/53

All: 318.748+/-0.663 χ^2/NDF: 26926.5/103

reg_asym_us_avg_atlr_avg_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 41.346+/-1.690 χ^2/NDF: 304.2/26

Left Out: 78.181+/-1.185 χ^2/NDF:663.3/23

Right Out: 37.035+/-1.613 χ^2/NDF: 294.7/29

Left In: 78.689+/-1.195 χ^2/NDF:488.6/22

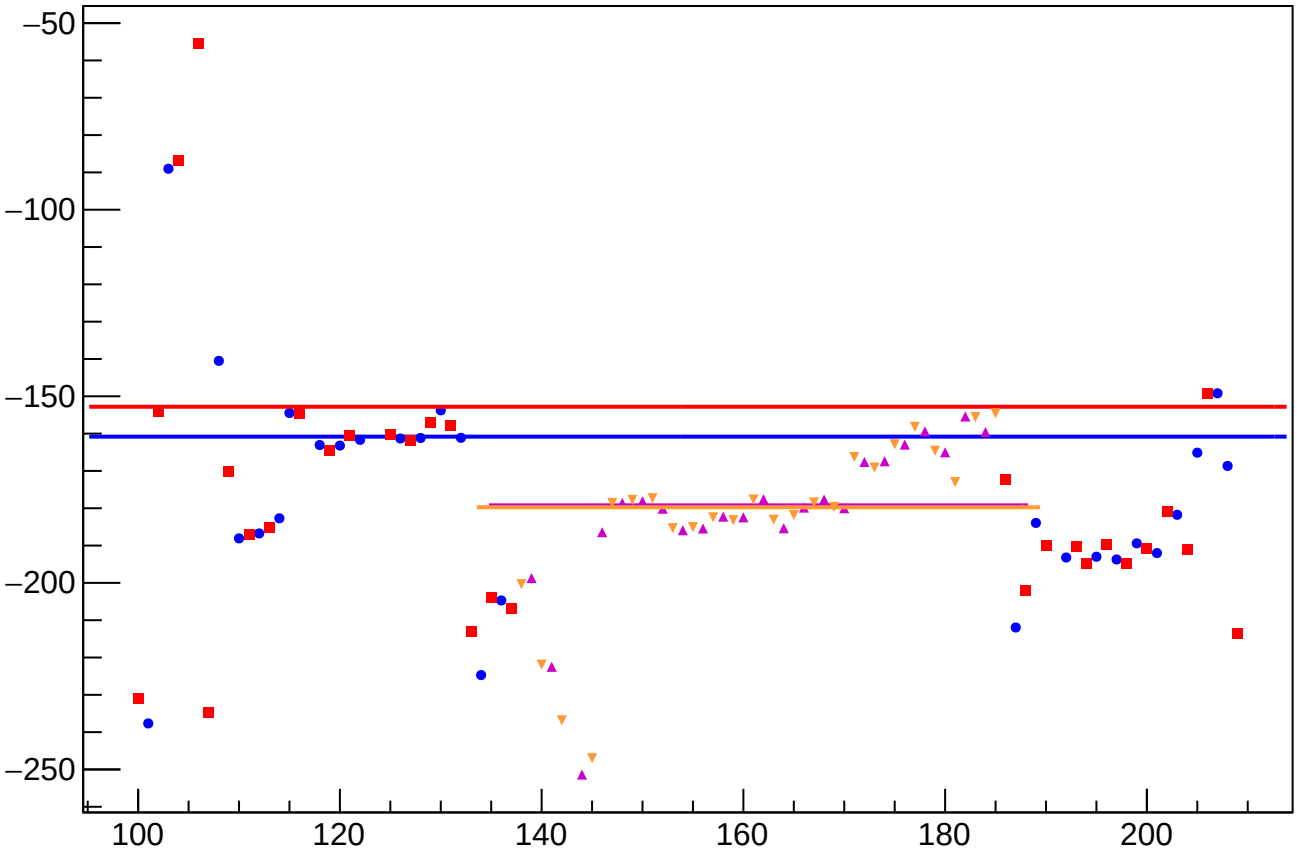
Left: 78.433+/-0.841 χ^2/NDF: 1152.0/46

Right: 39.090+/-1.167 χ^2/NDF: 602.2/56

In: 66.245+/-0.976 χ^2/NDF:1118.2/49

Out: 63.770+/-0.955 χ^2/NDF:1380.6/53

All: 64.981+/-0.682 χ^2/NDF: 2502.1/103



Right In: -160.809+/-0.082 χ^2/NDF: 304689.3/26

Left Out: -179.738+/-0.055 χ^2/NDF:132199.5/23

Right Out: -152.802+/-0.078 χ^2/NDF: 427910.2/29

Left In: -179.219+/-0.055 χ^2/NDF:113522.5/22

Left: -179.476+/-0.039 χ^2/NDF: 245767.0/46

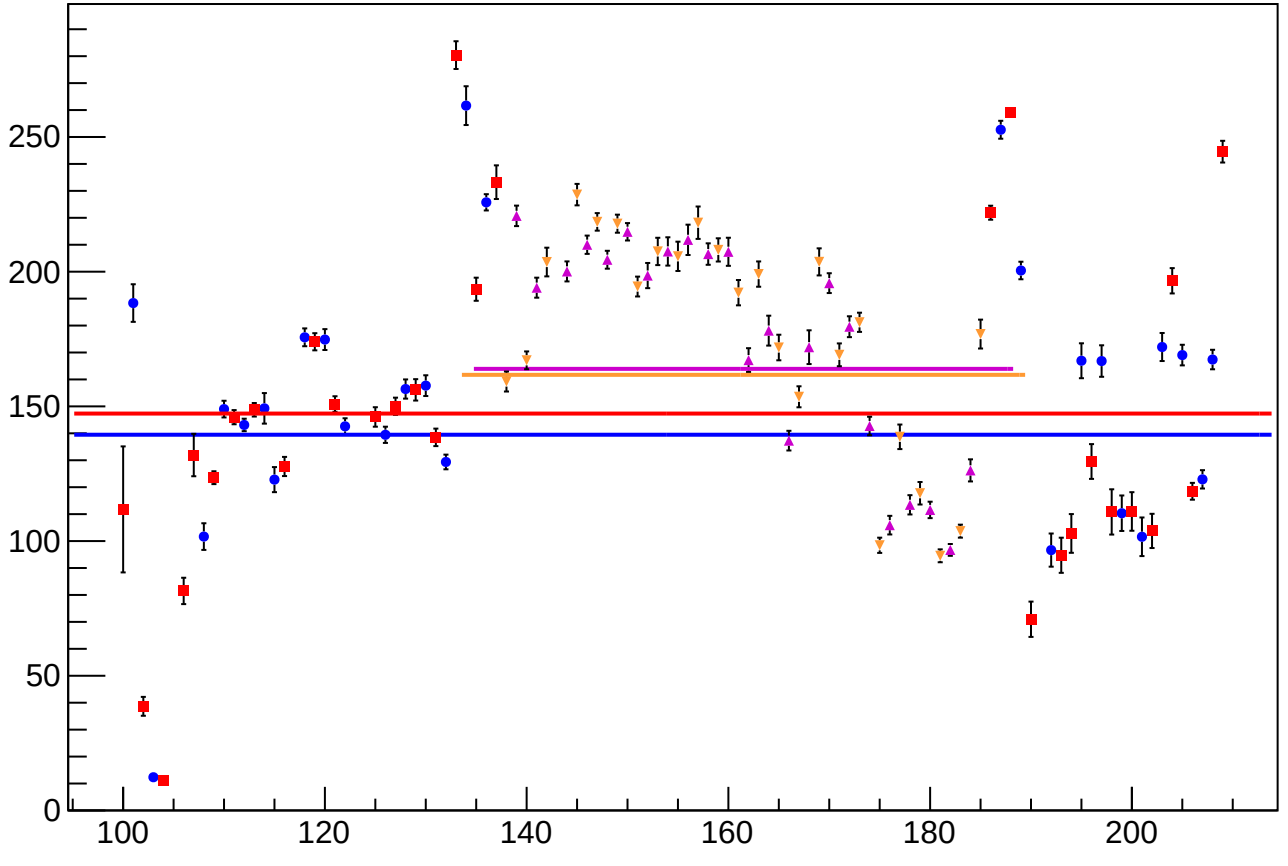
Right: -156.634+/-0.057 χ^2/NDF: 737605.9/56

In: -173.548+/-0.045 χ^2/NDF:453341.6/49

Out: -170.838+/-0.045 χ^2/NDF:639370.9/53

All: -172.183+/-0.032 χ^2/NDF: 1094512.8/10

reg_asym_us_avg_atlr_avg_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 139.474+/-0.691 χ^2/NDF: 8223.7/26

Left Out: 161.708+/-0.776 χ^2/NDF:3587.3/23

Right Out: 147.332+/-0.633 χ^2/NDF: 13885.1/29

Left In: 163.927+/-0.779 χ^2/NDF:3335.5/22

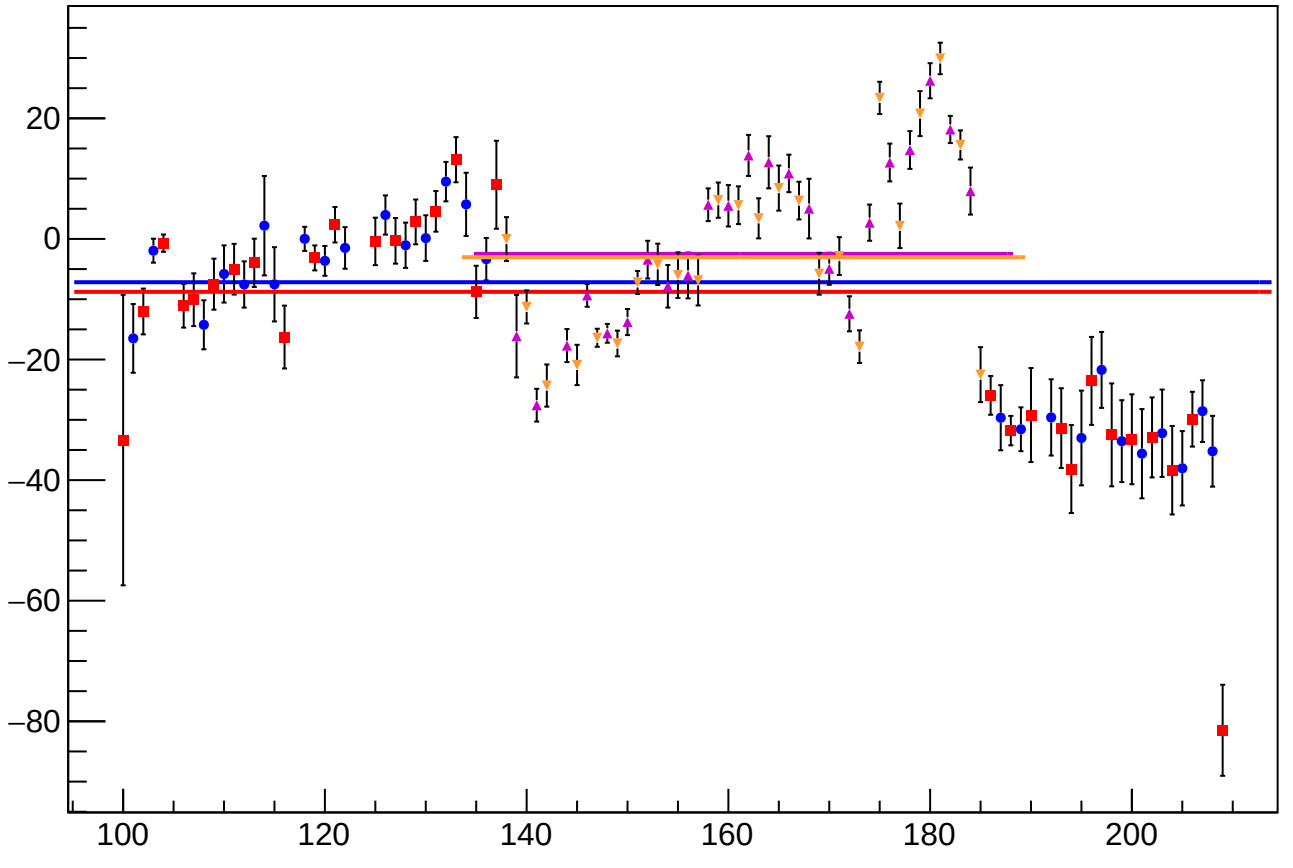
Left: 162.813+/-0.550 χ^2/NDF: 6926.9/46

Right: 143.746+/-0.467 χ^2/NDF: 22179.1/56

In: 150.234+/-0.517 χ^2/NDF:12110.6/49

Out: 153.072+/-0.490 χ^2/NDF:17678.5/53

All: 151.728+/-0.356 χ^2/NDF: 29804.9/103



Right In: -7.178+/-0.751 χ^2/NDF: 281.2/26

Left Out: -3.038+/-0.578 χ^2/NDF:654.5/23

Right Out: -8.772+/-0.679 χ^2/NDF: 453.9/29

Left In: -2.492+/-0.587 χ^2/NDF:562.9/22

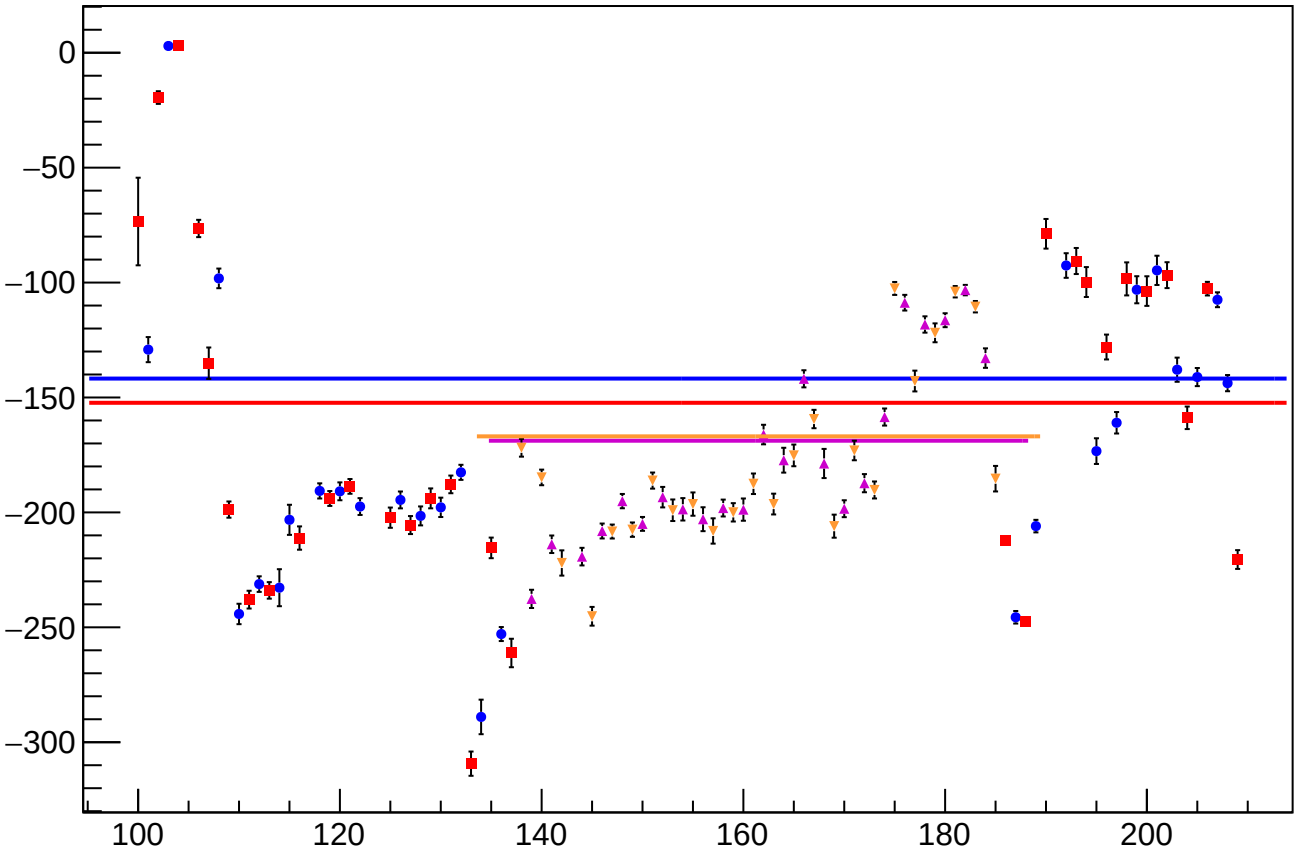
Left: -2.769+/-0.412 χ^2/NDF: 1217.8/46

Right: -8.055+/-0.504 χ^2/NDF: 737.6/56

In: -4.267+/-0.463 χ^2/NDF:868.3/49

Out: -5.447+/-0.440 χ^2/NDF:1149.7/53

All: -4.886+/-0.319 χ^2/NDF: 2021.4/103



Right In: -141.769+/-0.689 χ^2/NDF: 17241.0/26

Left Out: -166.912+/-0.771 χ^2/NDF:3096.2/23

Right Out: -152.312+/-0.614 χ^2/NDF: 24308.6/29

Left In: -168.810+/-0.772 χ^2/NDF:3059.5/22

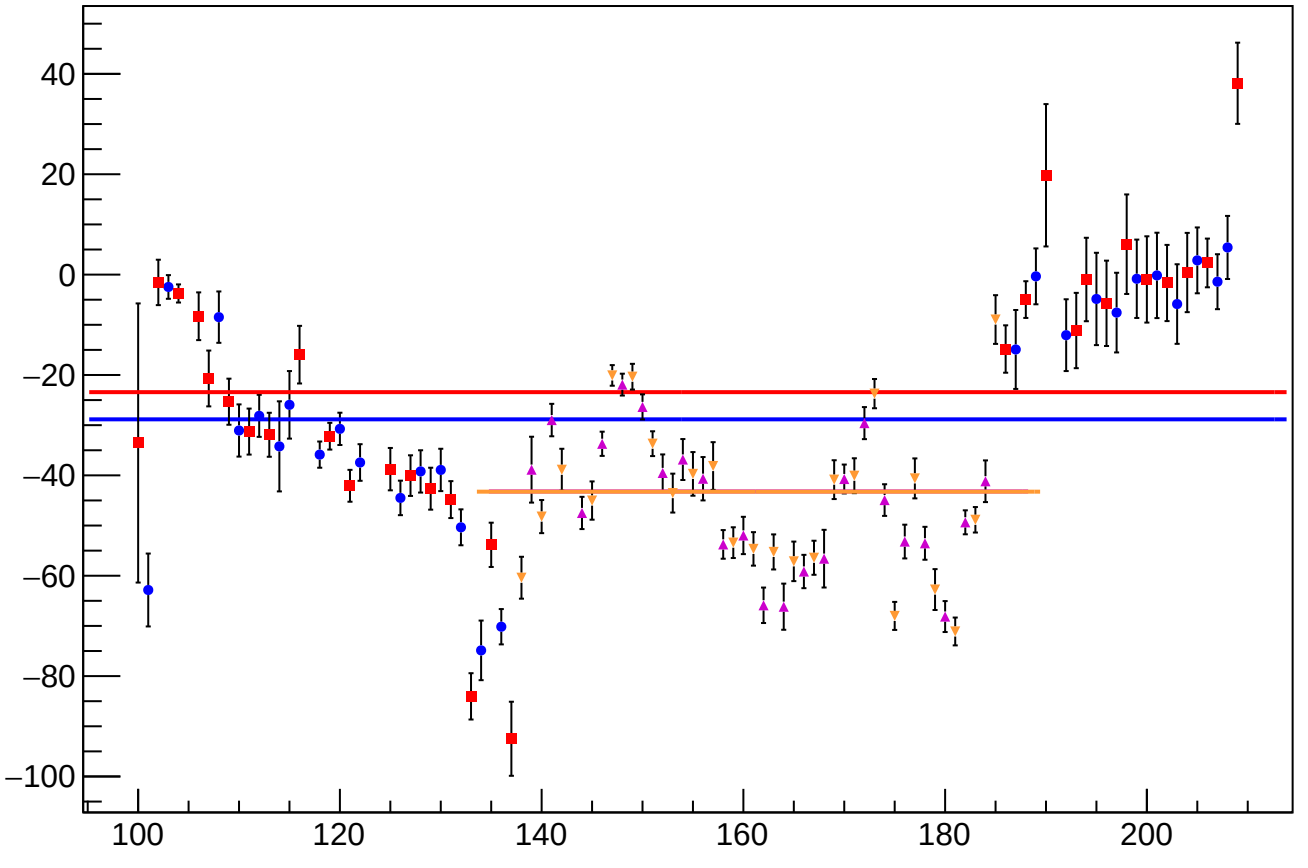
Left: -167.859+/-0.546 χ^2/NDF: 6158.8/46

Right: -147.642+/-0.459 χ^2/NDF: 41680.1/56

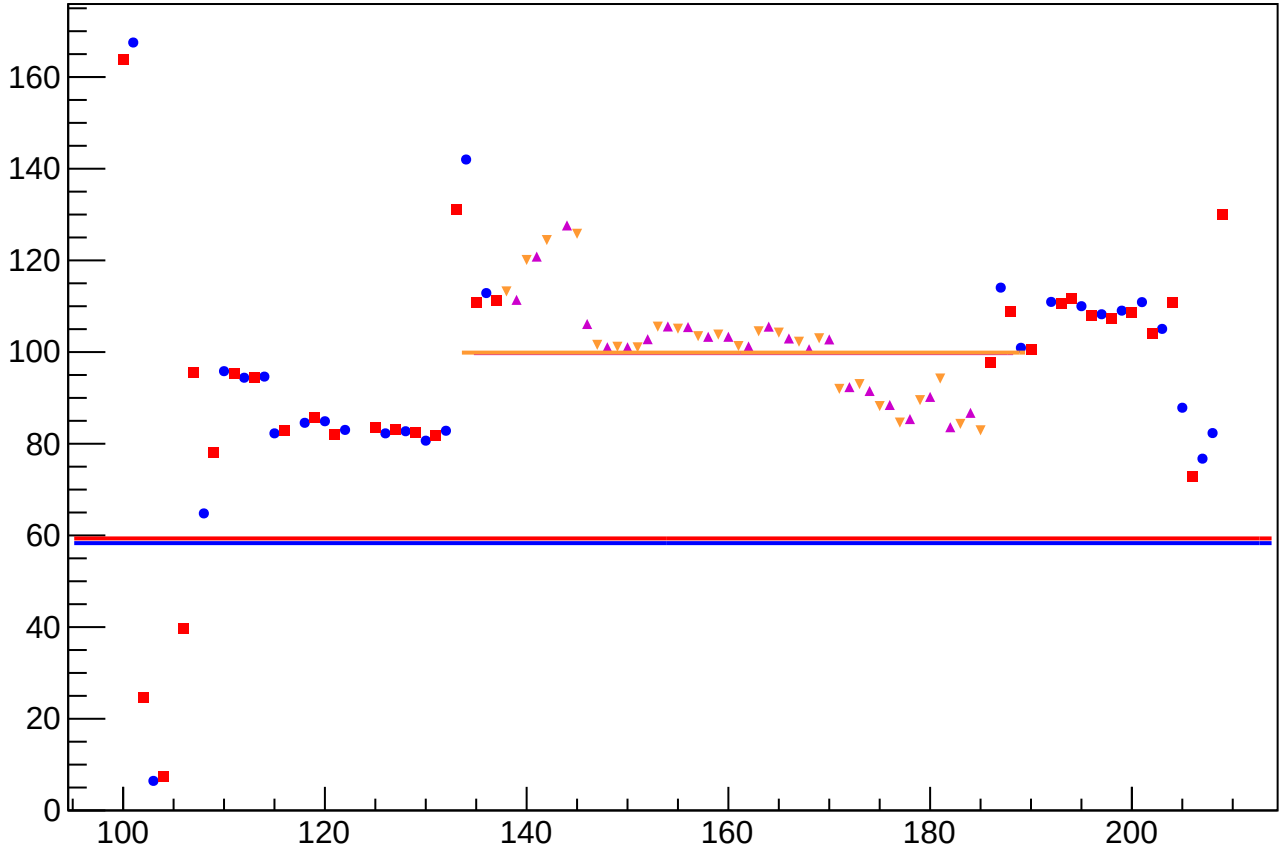
In: -153.750+/-0.514 χ^2/NDF:20983.1/49

Out: -157.984+/-0.480 χ^2/NDF:27624.2/53

All: -156.010+/-0.351 χ^2/NDF: 48643.5/103


reg_asym_us_avg_atlr_avg_dd_diff_bpm4eY_slope vs Slug, Sign Corrected
40
20
0
−20
−40
−60
−80
−100
100
120
140
160
180
200
Right In: -28.838+/-0.880 χ²/NDF: 602.7/26
Left Out: -43.251+/-0.664 χ²/NDF:610.2/23
Right Out: -23.420+/-0.816 χ²/NDF: 770.6/29
Left In: -43.207+/-0.670 χ²/NDF:405.8/22
Left: -43.229+/-0.472 χ²/NDF: 1016.0/46
Right: -25.925+/-0.598 χ²/NDF: 1393.6/56
In: -37.934+/-0.533 χ²/NDF:1177.3/49
Out: -35.352+/-0.515 χ²/NDF:1736.0/53
All: -36.599+/-0.370 χ²/NDF: 2925.4/103

reg_asym_us_avg_atlr_avg_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 58.319+/-0.039 χ^2/NDF: 1501162.5/26

Left Out: 99.881+/-0.031 χ^2/NDF:123588.1/23

Right Out: 59.344+/-0.038 χ^2/NDF: 1324031.0/29

Left In: 99.769+/-0.031 χ^2/NDF:113501.0/22

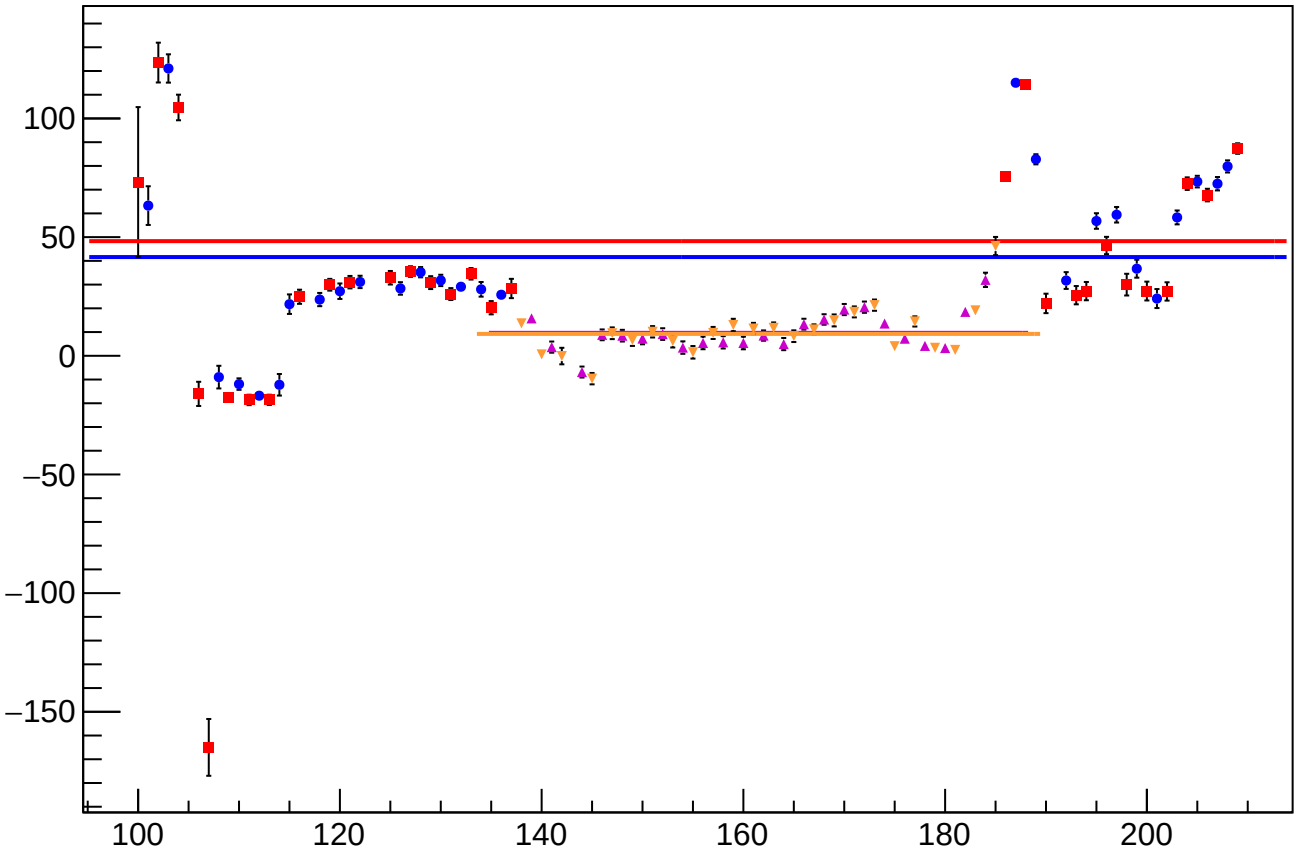
Left: 99.825+/-0.022 χ^2/NDF: 237095.8/46

Right: 58.837+/-0.027 χ^2/NDF: 2825545.1/56

In: 83.933+/-0.024 χ^2/NDF:2317874.1/49

Out: 84.044+/-0.024 χ^2/NDF:2125796.4/53

All: 83.989+/-0.017 χ^2/NDF: 4443681.1/103



Right In: 41.598+/-0.531 χ^2/NDF: 4390.6/26

Left Out: 9.228+/-0.456 χ^2/NDF:327.5/23

Right Out: 48.314+/-0.477 χ^2/NDF: 8330.0/29

Left In: 9.676+/-0.462 χ^2/NDF:246.7/22

Left: 9.449+/-0.325 χ^2/NDF: 574.7/46

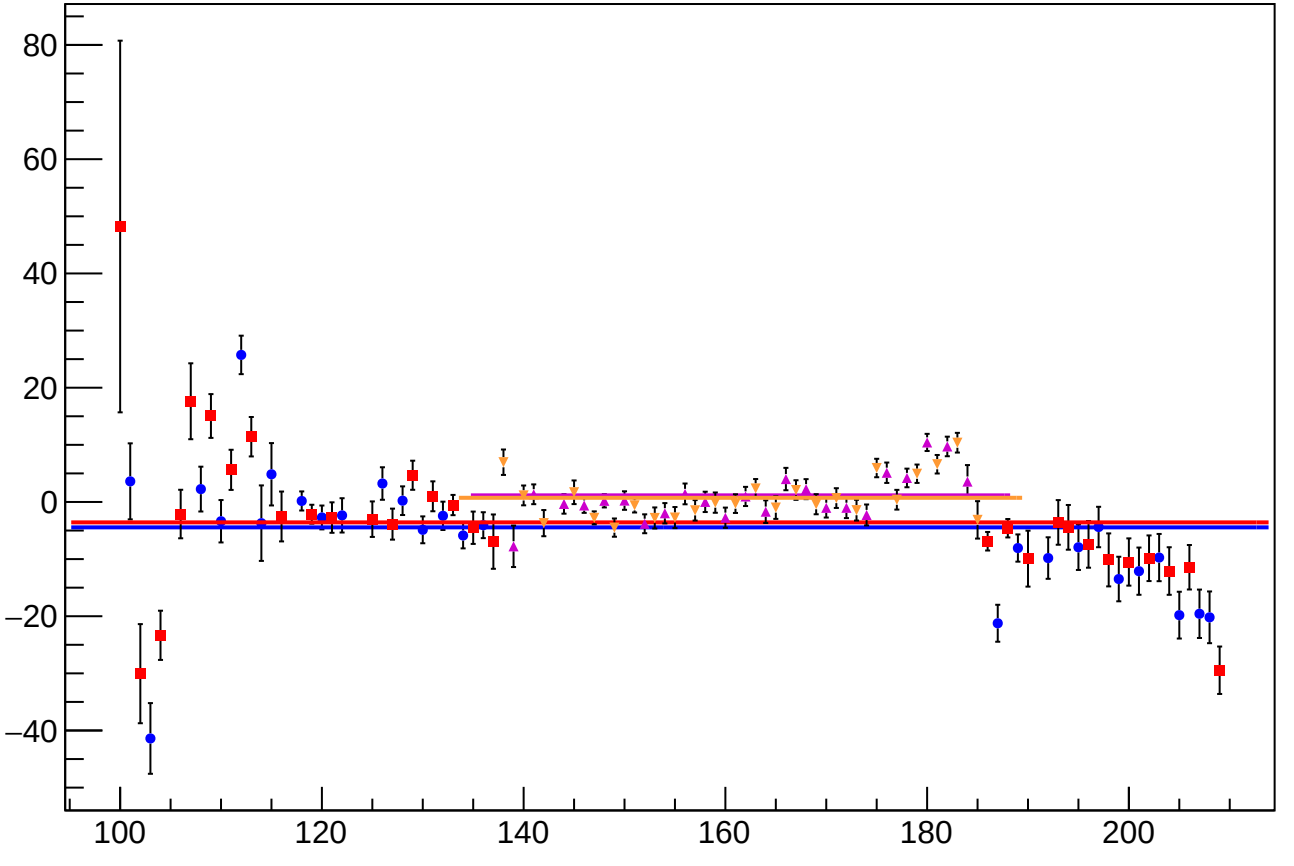
Right: 45.312+/-0.355 χ^2/NDF: 12809.2/56

In: 23.455+/-0.349 χ^2/NDF:6694.7/49

Out: 27.910+/-0.330 χ^2/NDF:12162.6/53

All: 25.806+/-0.240 χ^2/NDF: 18943.5/103

reg_asym_us_dd_at1lr_dd_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -4.446+/-0.589 χ^2/NDF: 225.6/26

Left Out: 0.730+/-0.350 χ^2/NDF:109.7/23

Right Out: -3.573+/-0.550 χ^2/NDF: 172.2/29

Left In: 1.156+/-0.358 χ^2/NDF:110.4/22

Left: 0.939+/-0.250 χ^2/NDF: 220.9/46

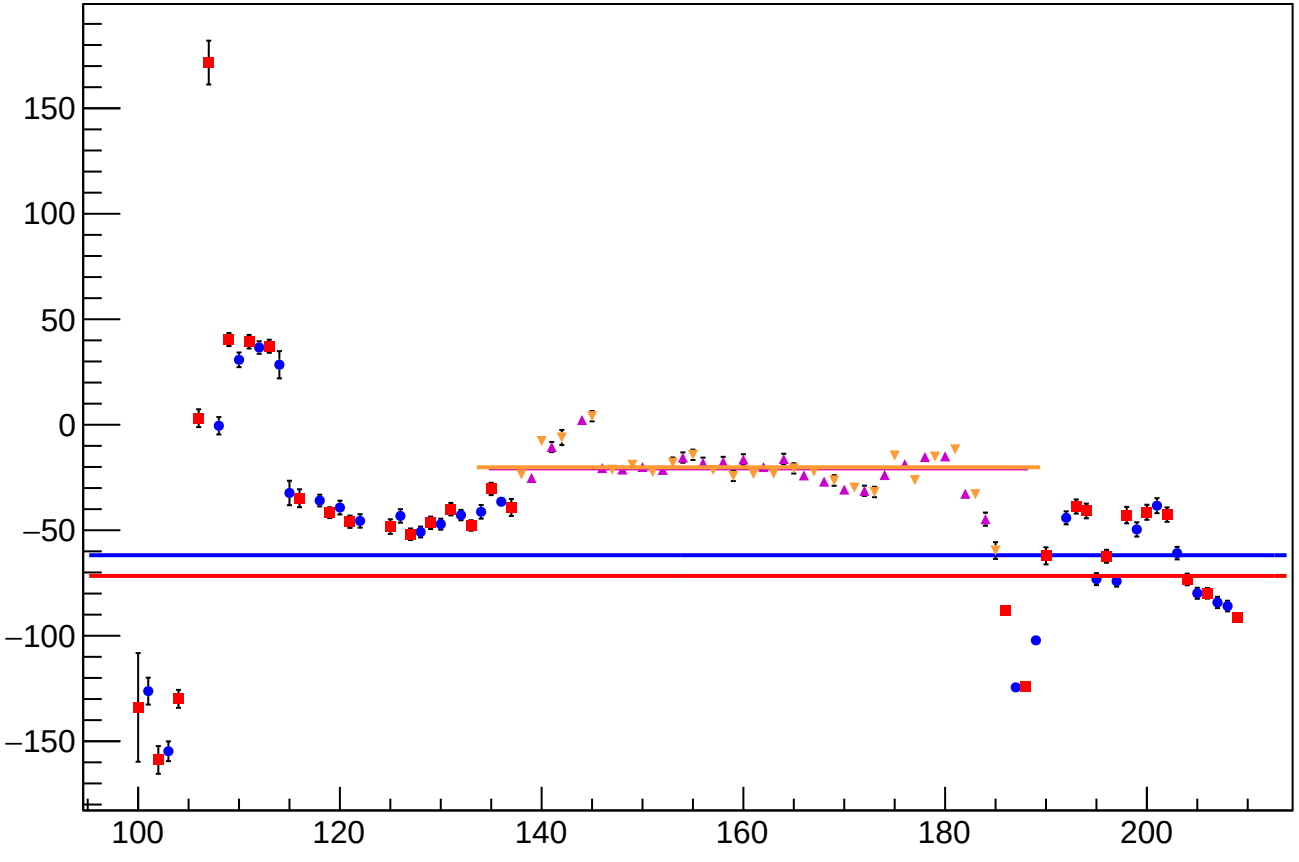
Right: -3.979+/-0.402 χ^2/NDF: 399.0/56

In: -0.352+/-0.306 χ^2/NDF:402.2/49

Out: -0.509+/-0.295 χ^2/NDF:325.5/53

All: -0.433+/-0.212 χ^2/NDF: 727.9/103

reg_asym_us_dd_at1lr_dd_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -61.838+/-0.542 χ^2/NDF: 5582.5/26

Left Out: -20.151+/-0.452 χ^2/NDF:420.3/23

Right Out: -71.638+/-0.463 χ^2/NDF: 9739.4/29

Left In: -20.683+/-0.458 χ^2/NDF:310.5/22

Left: -20.414+/-0.322 χ^2/NDF: 731.5/46

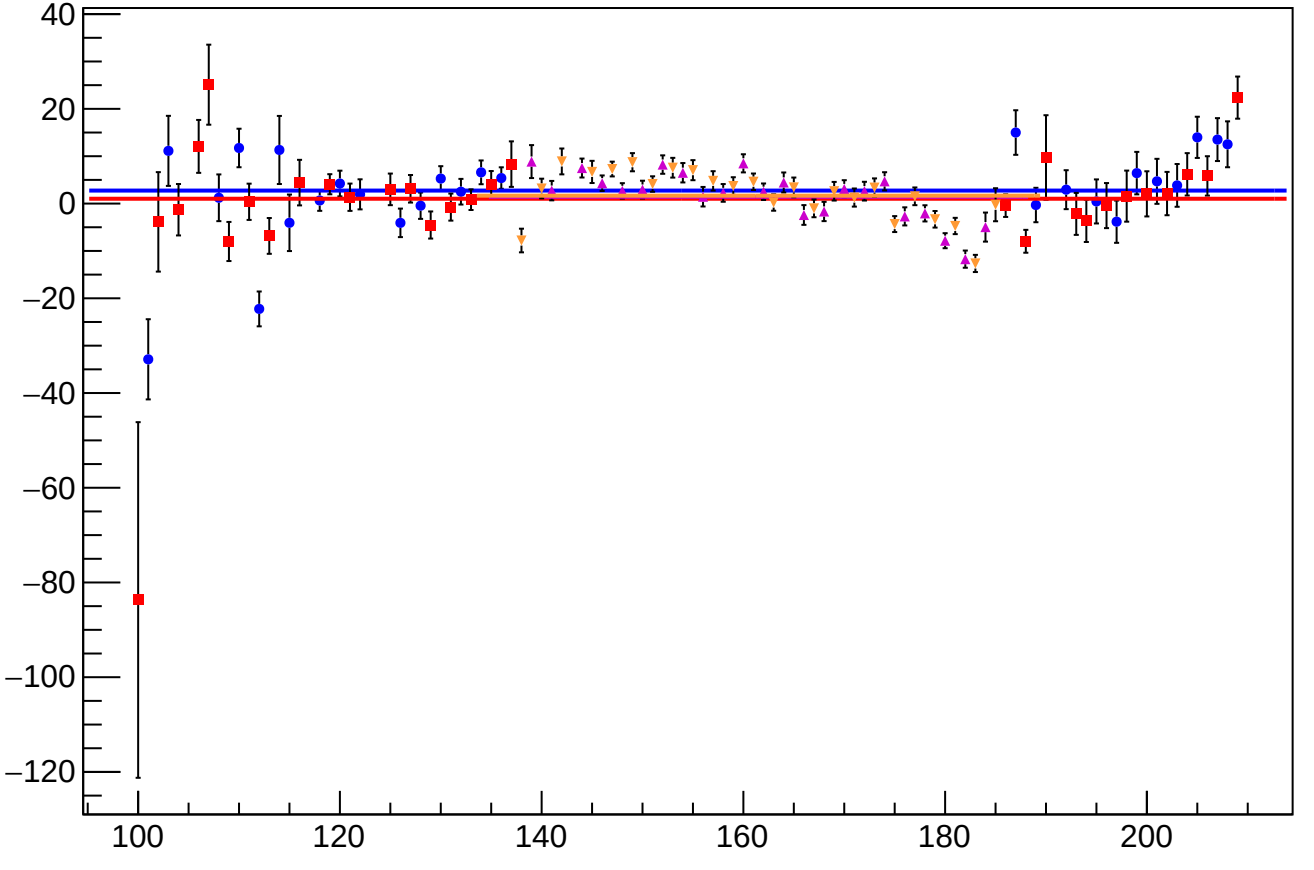
Right: -67.496+/-0.352 χ^2/NDF: 15510.8/56

In: -37.822+/-0.350 χ^2/NDF:9261.2/49

Out: -45.275+/-0.324 χ^2/NDF:16479.1/53

All: -41.834+/-0.238 χ^2/NDF: 25985.0/103

reg_asym_us_dd_at1lr_dd_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 2.745+/-0.684 χ^2/NDF: 112.4/26

Left Out: 1.671+/-0.395 χ^2/NDF:178.0/23

Right Out: 1.020+/-0.661 χ^2/NDF: 80.4/29

Left In: 1.428+/-0.403 χ^2/NDF:162.8/22

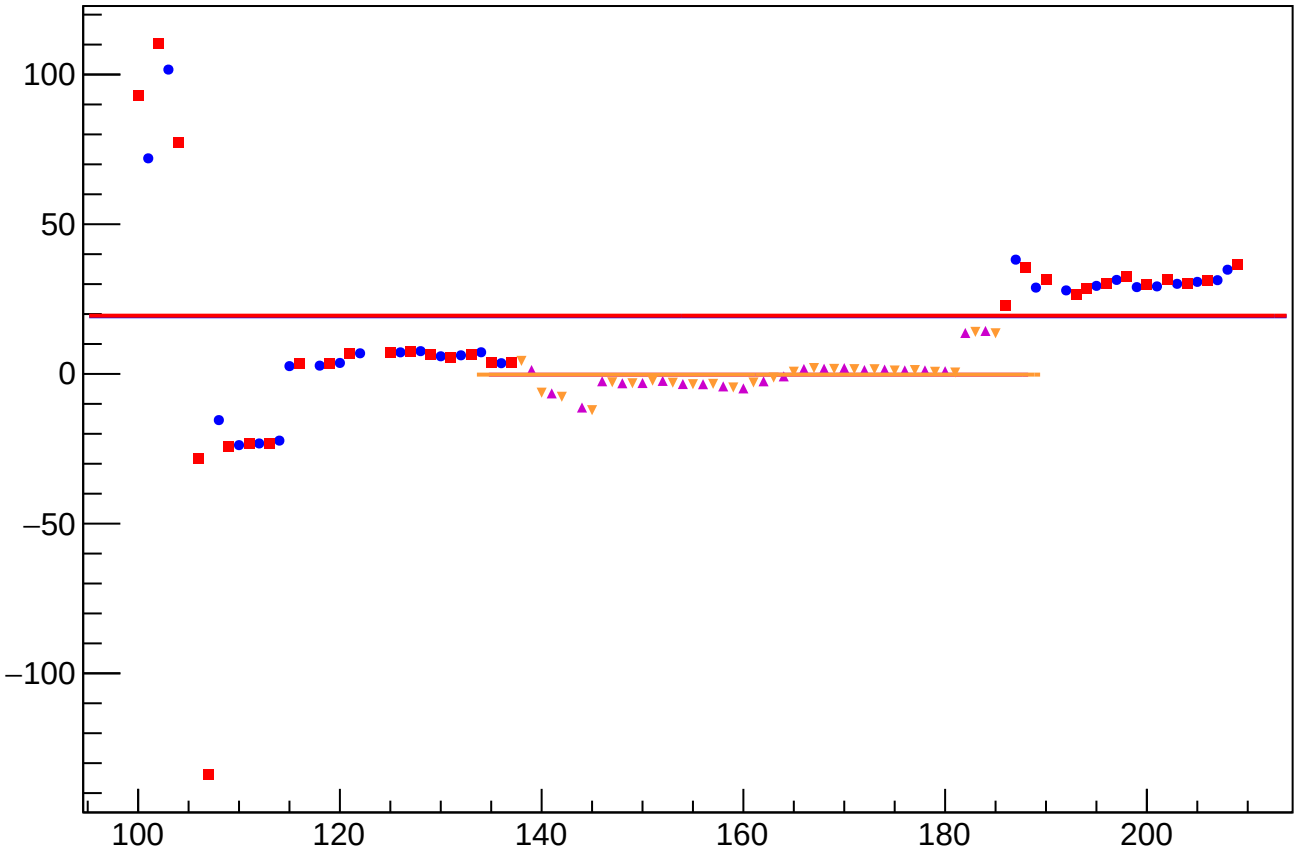
Left: 1.552+/-0.282 χ^2/NDF: 340.9/46

Right: 1.853+/-0.475 χ^2/NDF: 196.1/56

In: 1.767+/-0.347 χ^2/NDF:278.0/49

Out: 1.499+/-0.339 χ^2/NDF:259.0/53

All: 1.630+/-0.242 χ^2/NDF: 537.3/103



Right In: 19.257+/-0.034 χ^2/NDF: 420074.9/26

Left Out: -0.229+/-0.018 χ^2/NDF:80976.2/23

Right Out: 19.456+/-0.034 χ^2/NDF: 595668.5/29

Left In: -0.270+/-0.018 χ^2/NDF:72783.3/22

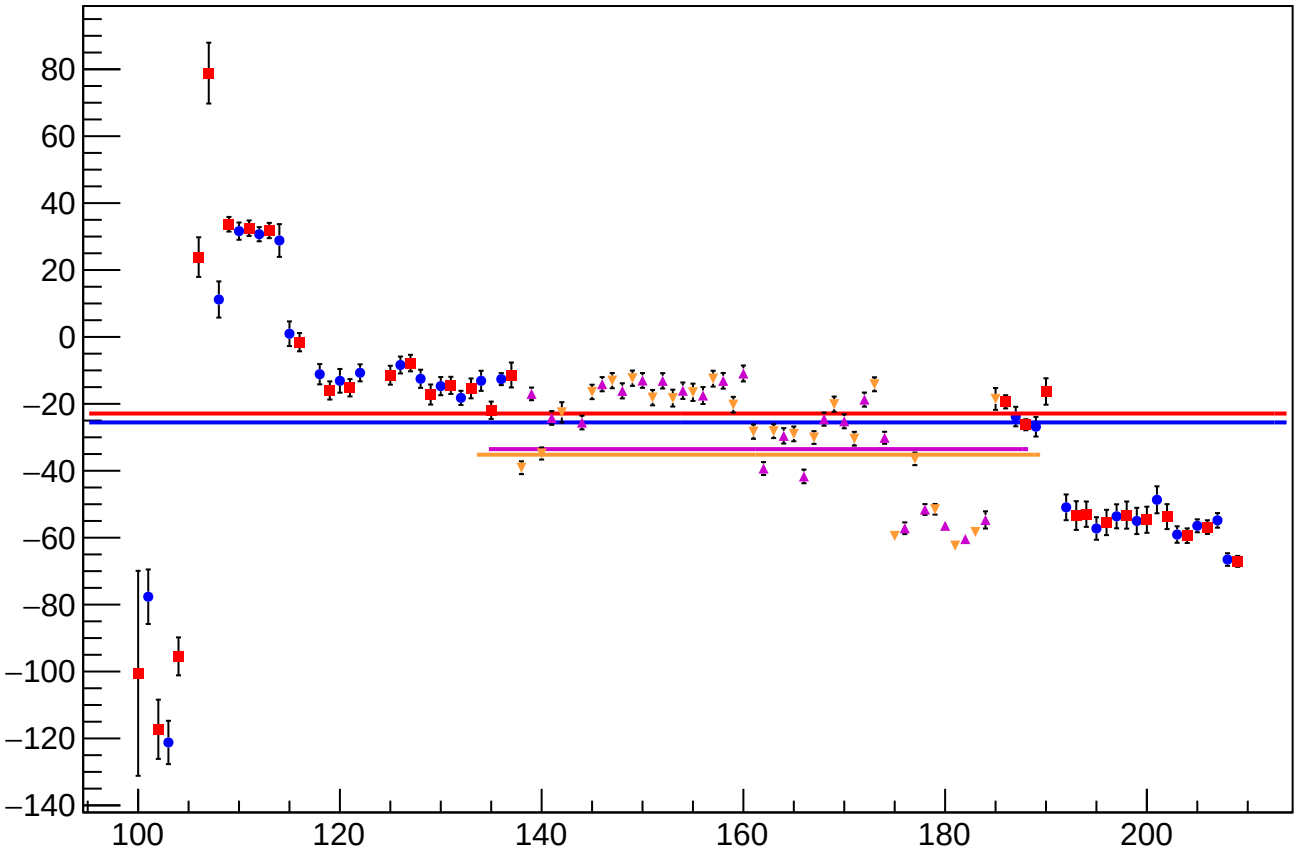
Left: -0.249+/-0.013 χ^2/NDF: 153762.2/46

Right: 19.358+/-0.024 χ^2/NDF: 1015760.7/56

In: 3.898+/-0.016 χ^2/NDF:751552.2/49

Out: 4.000+/-0.016 χ^2/NDF:944290.5/53

All: 3.950+/-0.011 χ^2/NDF: 1695863.8/103



Right In: -25.549+/-0.535 χ^2/NDF: 3281.9/26

Left Out: -35.201+/-0.408 χ^2/NDF:1850.7/23

Right Out: -22.893+/-0.508 χ^2/NDF: 4120.0/29

Left In: -33.528+/-0.414 χ^2/NDF:1806.1/22

Left: -34.376+/-0.291 χ^2/NDF: 3665.2/46

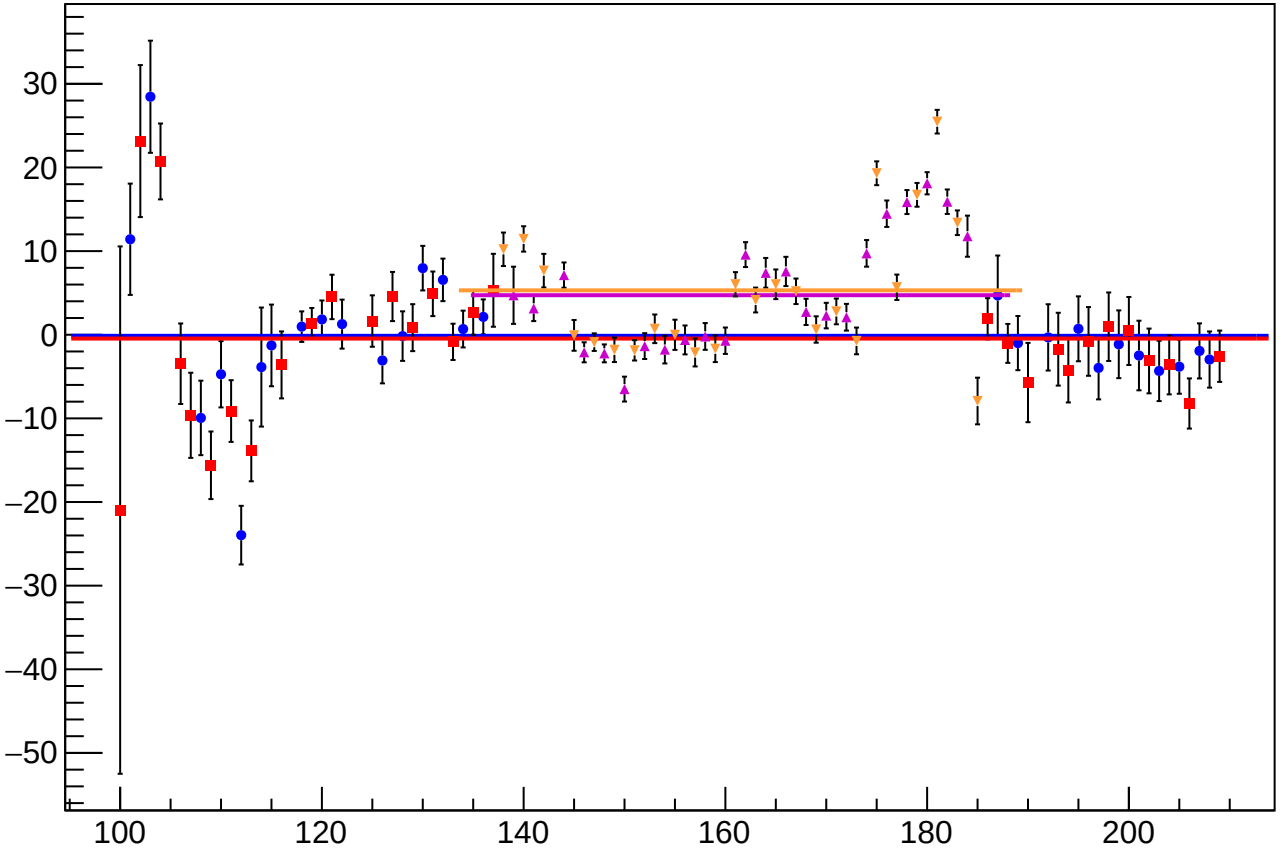
Right: -24.150+/-0.368 χ^2/NDF: 7414.8/56

In: -30.546+/-0.327 χ^2/NDF:5227.1/49

Out: -30.370+/-0.318 χ^2/NDF:6327.7/53

All: -30.455+/-0.228 χ^2/NDF: 11554.9/103

reg_asym_us_dd_at1lr_dd_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -0.131+/-0.608 χ^2/NDF: 100.1/26

Left Out: 5.307+/-0.315 χ^2/NDF:624.4/23

Right Out: -0.457+/-0.596 χ^2/NDF: 93.6/29

Left In: 4.727+/-0.321 χ^2/NDF:496.0/22

Left: 5.023+/-0.225 χ^2/NDF: 1122.0/46

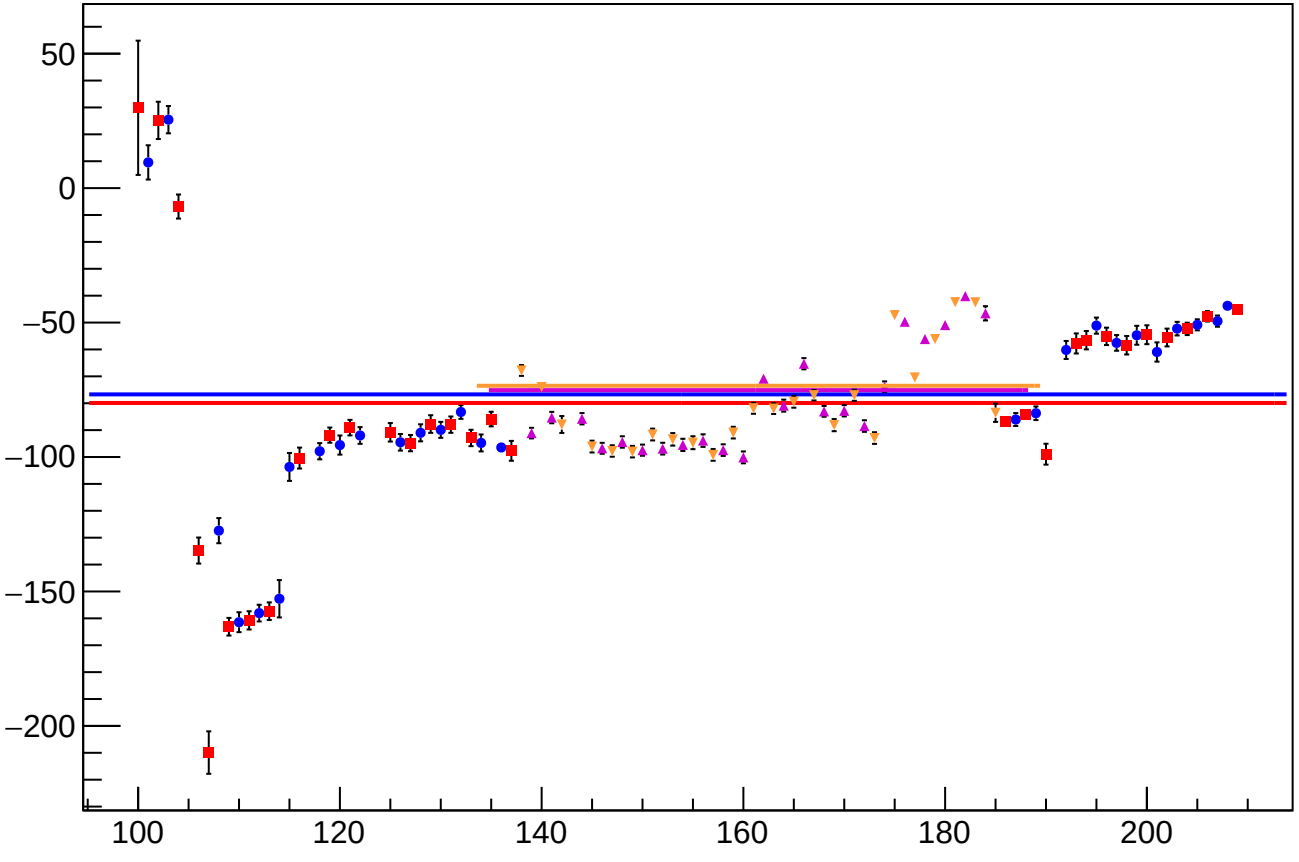
Right: -0.297+/-0.426 χ^2/NDF: 193.9/56

In: 3.668+/-0.284 χ^2/NDF:646.0/49

Out: 4.050+/-0.278 χ^2/NDF:791.1/53

All: 3.862+/-0.199 χ^2/NDF: 1438.0/103

reg_asym_us_dd_at1lr_dd_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -76.707+/-0.556 χ^2/NDF: 3352.1/26

Left Out: -73.506+/-0.405 χ^2/NDF:2392.0/23

Right Out: -79.902+/-0.514 χ^2/NDF: 4035.5/29

Left In: -75.133+/-0.410 χ^2/NDF:2361.9/22

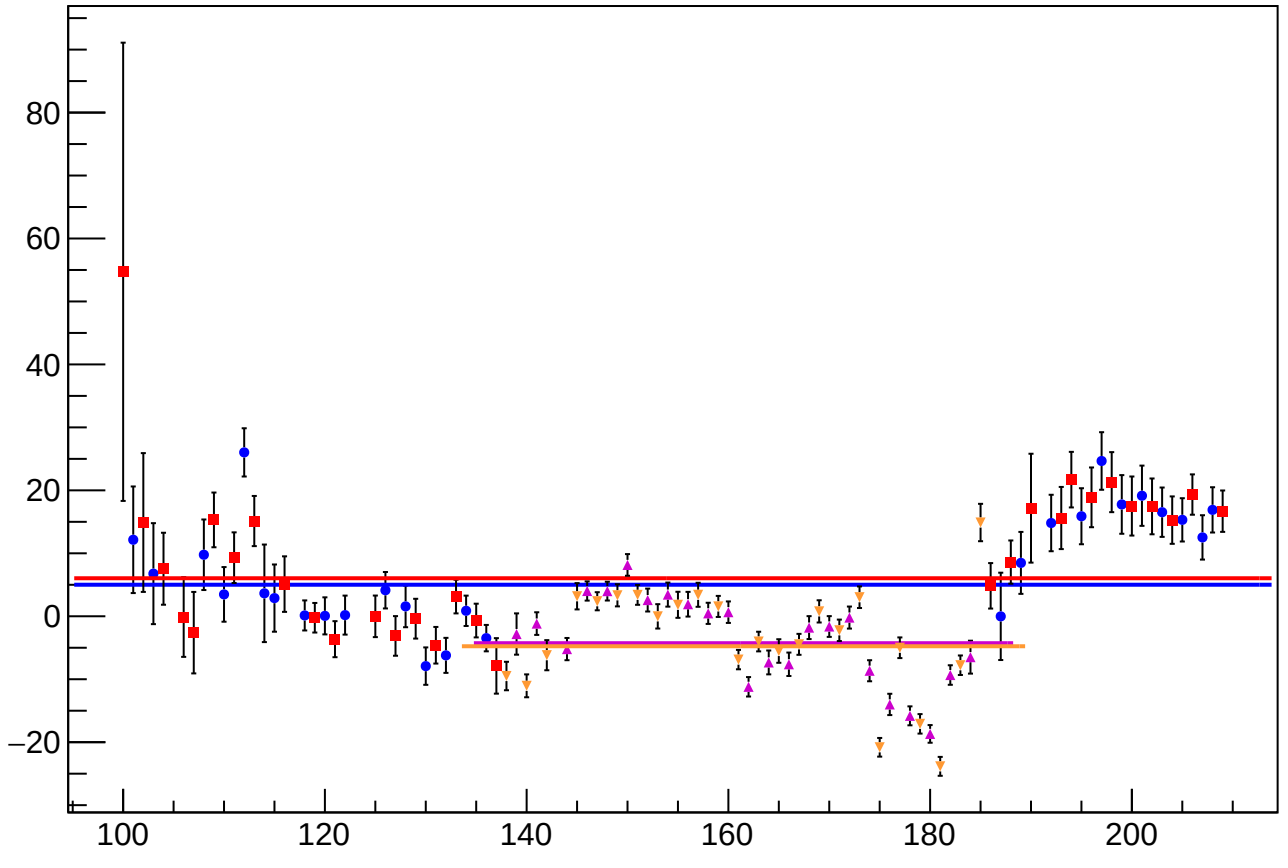
Left: -74.310+/-0.288 χ^2/NDF: 4761.8/46

Right: -78.430+/-0.378 χ^2/NDF: 7405.4/56

In: -75.687+/-0.330 χ^2/NDF:5719.2/49

Out: -75.957+/-0.318 χ^2/NDF:6522.9/53

All: -75.827+/-0.229 χ^2/NDF: 12242.5/103



Right In: 5.009+/-0.692 χ^2/NDF: 176.6/26

Left Out: -4.762+/-0.355 χ^2/NDF:576.9/23

Right Out: 6.039+/-0.694 χ^2/NDF: 163.7/29

Left In: -4.278+/-0.361 χ^2/NDF:424.1/22

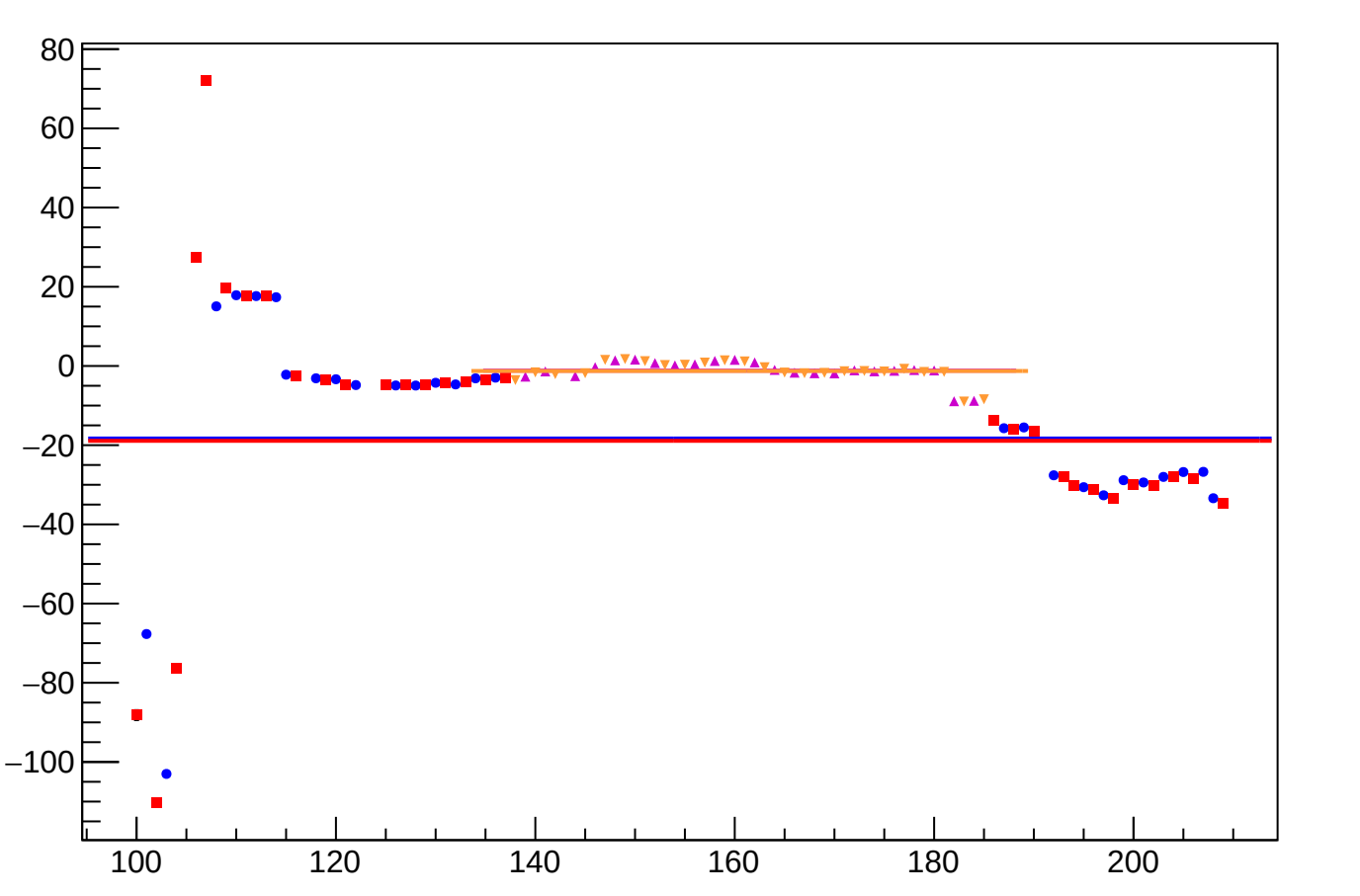
Left: -4.524+/-0.253 χ^2/NDF: 1002.0/46

Right: 5.522+/-0.490 χ^2/NDF: 341.4/56

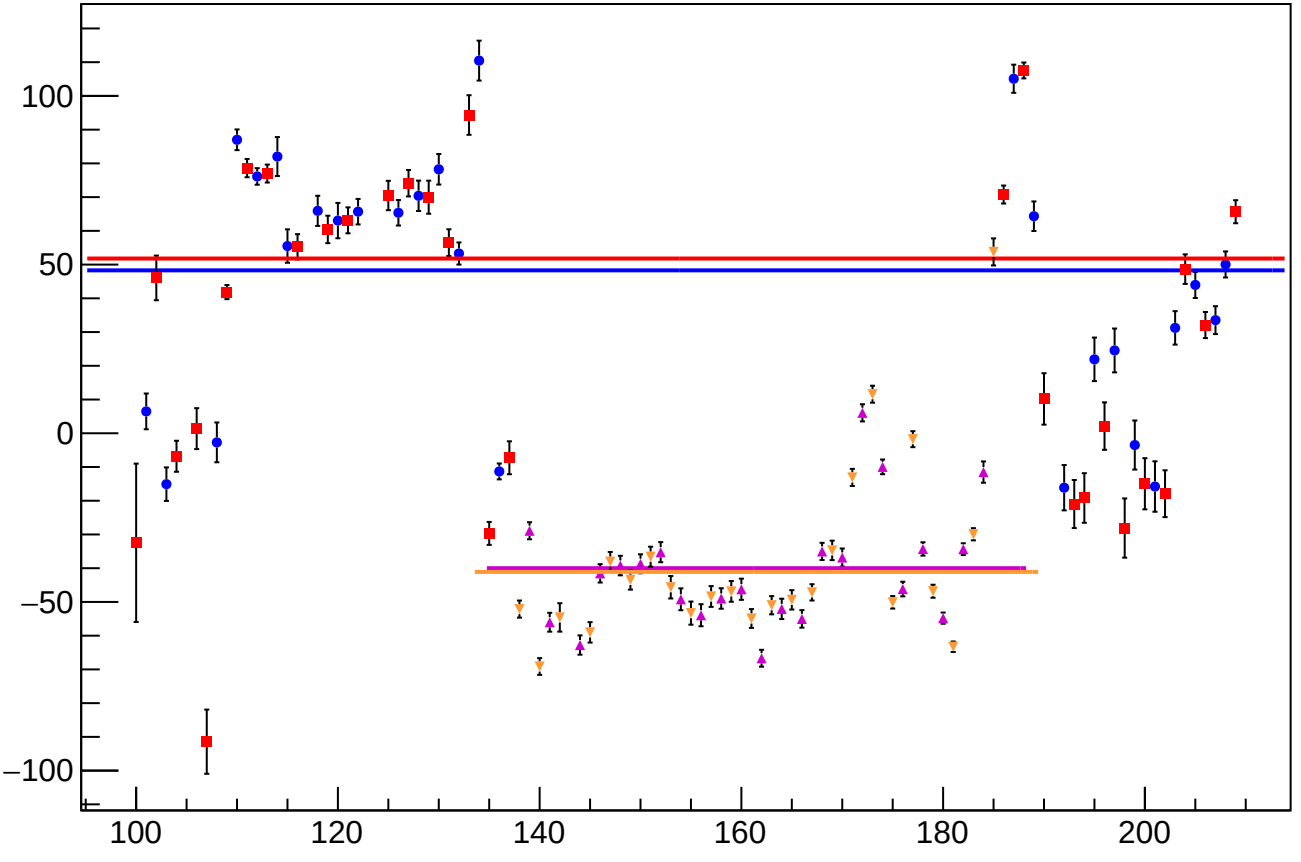
In: -2.291+/-0.320 χ^2/NDF:742.4/49

Out: -2.524+/-0.316 χ^2/NDF:932.6/53

All: -2.409+/-0.225 χ^2/NDF: 1675.3/103


reg_asym_us_dd_at1lr_dd_dd_diff_bpm12X_slope vs Slug, Sign Corrected
80
60
40
20
0
−20
−40
−60
−80
−100
100
120
140
160
180
200
Right In: -18.315+/-0.033 χ²/NDF: 377062.4/26
Left Out: -1.267+/-0.016 χ²/NDF:25091.1/23
Right Out: -18.899+/-0.034 χ²/NDF: 473512.0/29
Left In: -1.180+/-0.016 χ²/NDF:24754.1/22
Left: -1.224+/-0.011 χ²/NDF: 49860.2/46
Right: -18.604+/-0.024 χ²/NDF: 850726.1/56
In: -4.379+/-0.014 χ²/NDF:617167.3/49
Out: -4.468+/-0.014 χ²/NDF:722858.6/53
All: -4.424+/-0.010 χ²/NDF: 1340045.2/103

reg_asym_us_dd_at2lr_dd_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 48.290+/-0.810 χ^2/NDF: 1979.7/26

Left Out: -41.097+/-0.517 χ^2/NDF:1948.2/23

Right Out: 51.800+/-0.735 χ^2/NDF: 2728.8/29

Left In: -40.000+/-0.524 χ^2/NDF:1031.8/22

Left: -40.556+/-0.368 χ^2/NDF: 2982.2/46

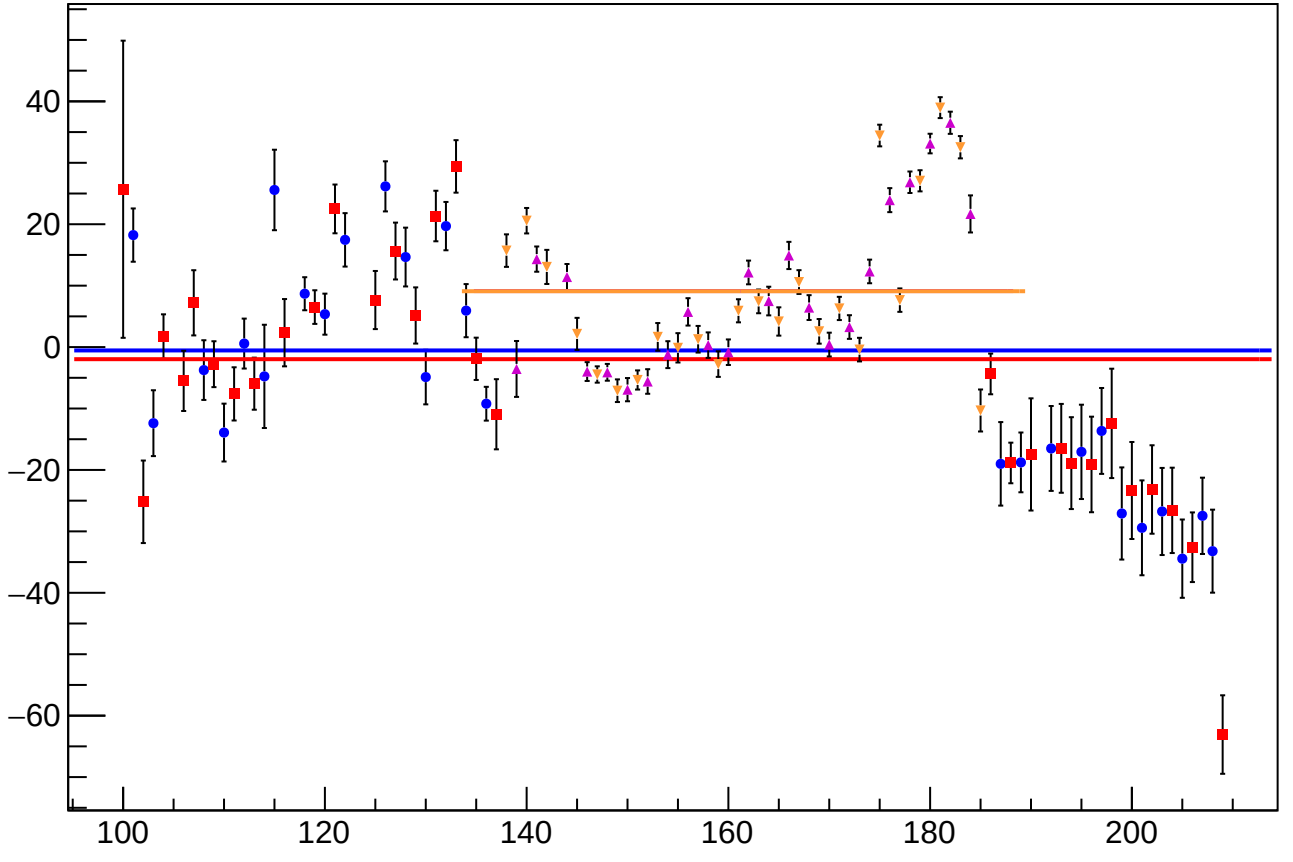
Right: 50.215+/-0.545 χ^2/NDF: 4718.8/56

In: -13.949+/-0.440 χ^2/NDF:11379.1/49

Out: -10.337+/-0.423 χ^2/NDF:15352.9/53

All: -12.072+/-0.305 χ^2/NDF: 26767.0/103

reg_asym_us_dd_at2lr_dd_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -0.545+/-0.910 χ^2/NDF: 318.5/26

Left Out: 9.094+/-0.401 χ^2/NDF:1253.7/23

Right Out: -1.969+/-0.867 χ^2/NDF: 372.2/29

Left In: 9.121+/-0.409 χ^2/NDF:1051.8/22

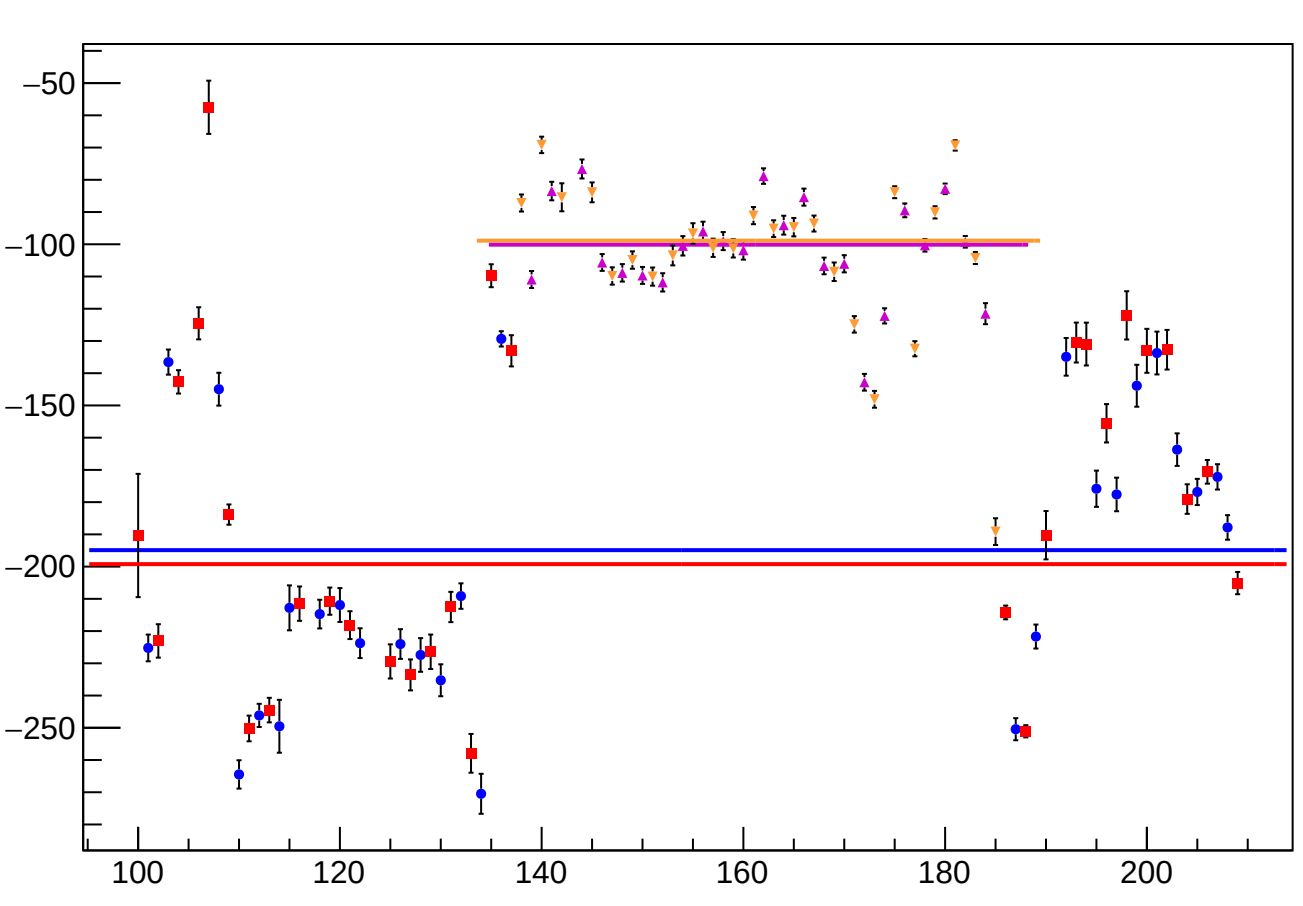
Left: 9.107+/-0.286 χ^2/NDF: 2305.5/46

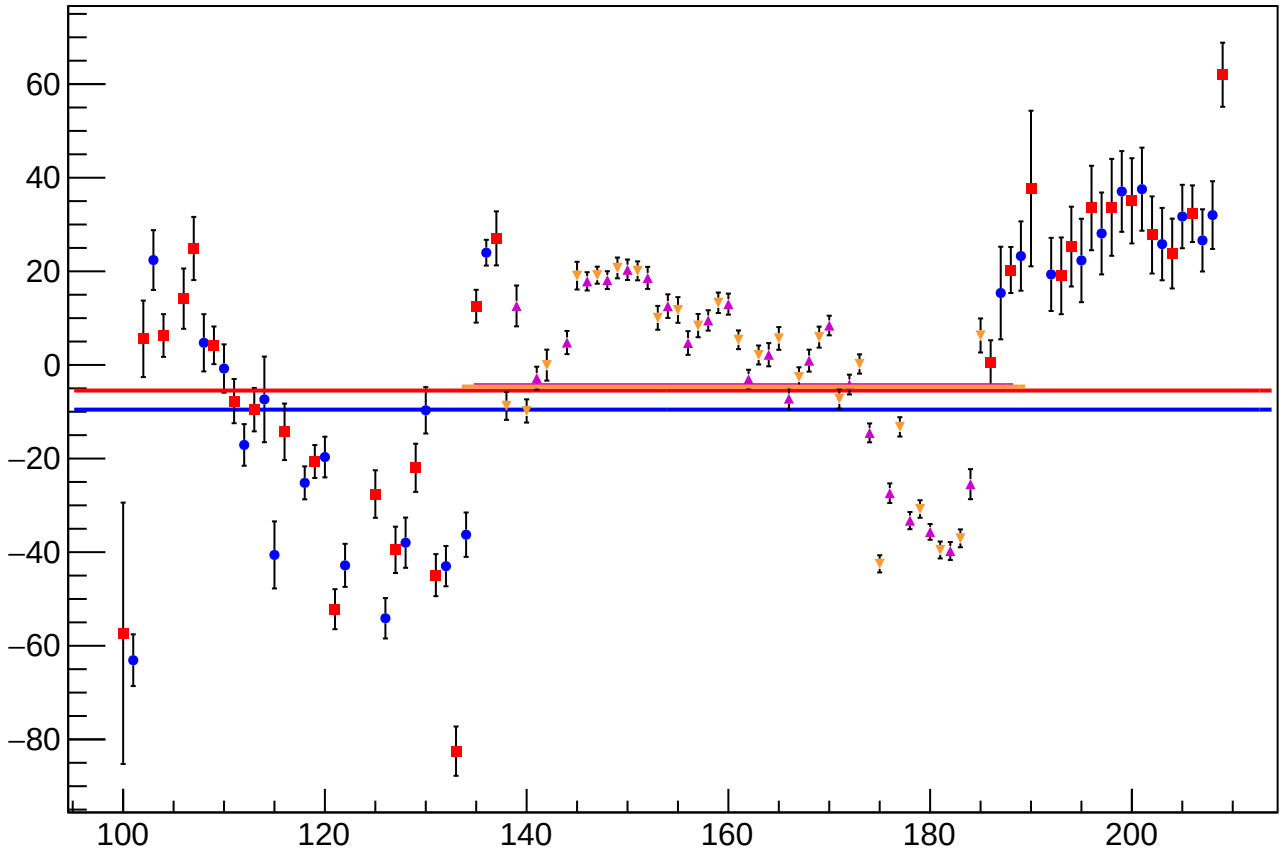
Right: -1.291+/-0.628 χ^2/NDF: 692.0/56

In: 7.496+/-0.373 χ^2/NDF:1464.2/49

Out: 7.144+/-0.364 χ^2/NDF:1759.9/53

All: 7.316+/-0.261 χ^2/NDF: 3224.6/103


reg_asym_us_dd_at2lr_dd_avg_diff_bpm4eX_slope vs Slug, Sign Corrected
−50
−100
−150
−200
−250
100
120
140
160
180
200
Right In: -194.892+/-0.849 χ²/NDF: 2697.6/26
Left Out: -98.883+/-0.514 χ²/NDF:1824.5/23
Right Out: -199.232+/-0.762 χ²/NDF: 3660.6/29
Left In: -100.127+/-0.520 χ²/NDF:823.2/22
Left: -99.498+/-0.366 χ²/NDF: 2650.6/46
Right: -197.295+/-0.567 χ²/NDF: 6372.7/56
In: -125.977+/-0.444 χ²/NDF:12577.6/49
Out: -130.262+/-0.426 χ²/NDF:17397.0/53
All: -128.204+/-0.307 χ²/NDF: 30023.1/103



Right In: -9.547+/-1.042 χ^2/NDF: 850.5/26

Left Out: -4.618+/-0.451 χ^2/NDF:2078.3/23

Right Out: -5.469+/-1.014 χ^2/NDF: 892.1/29

Left In: -4.328+/-0.459 χ^2/NDF:1854.2/22

Left: -4.475+/-0.322 χ^2/NDF: 3932.7/46

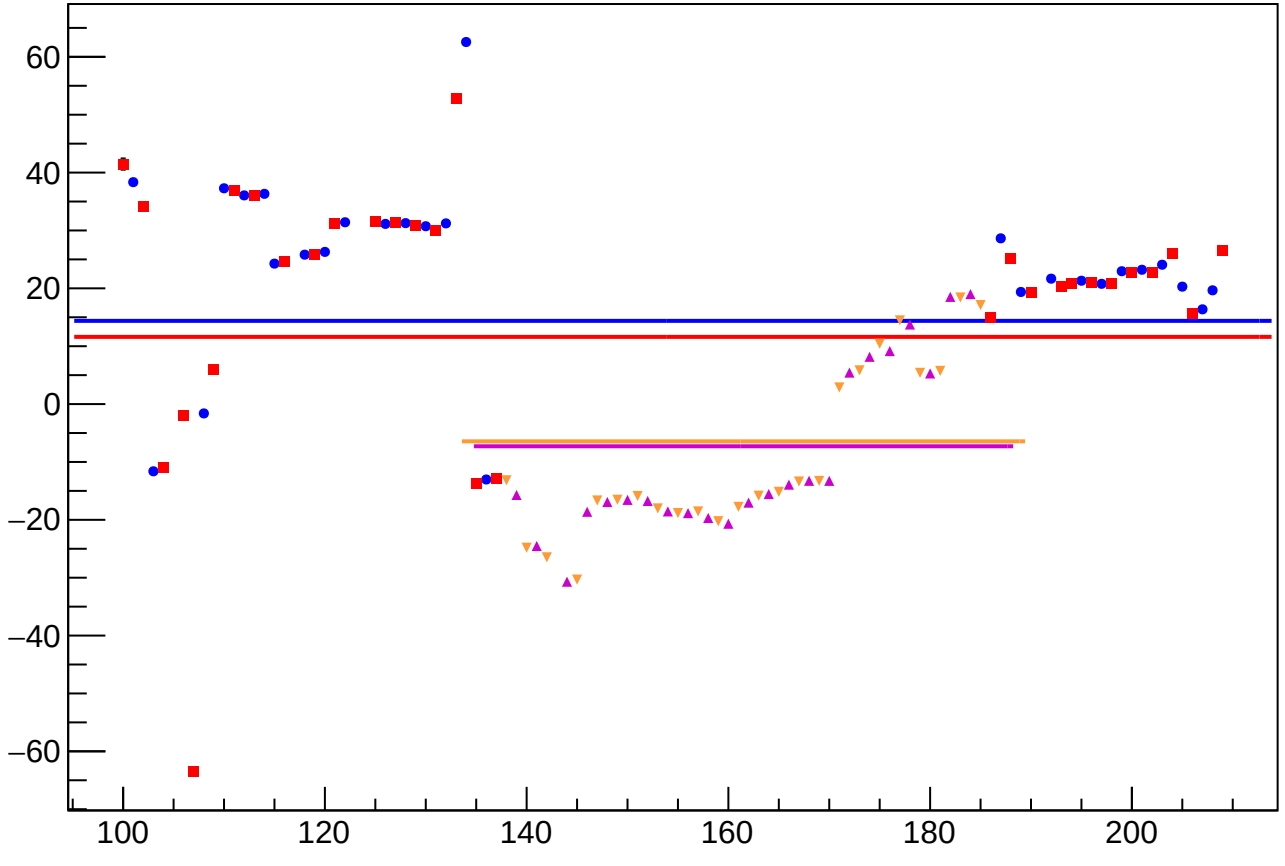
Right: -7.453+/-0.727 χ^2/NDF: 1750.5/56

In: -5.175+/-0.420 χ^2/NDF:2725.7/49

Out: -4.759+/-0.412 χ^2/NDF:2971.0/53

All: -4.963+/-0.294 χ^2/NDF: 5697.2/103

reg_asym_us_dd_at2lr_dd_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 14.380+/-0.051 χ^2/NDF: 175468.7/26

Left Out: -6.437+/-0.020 χ^2/NDF:496714.6/23

Right Out: 11.615+/-0.050 χ^2/NDF: 180116.7/29

Left In: -7.292+/-0.020 χ^2/NDF:488261.5/22

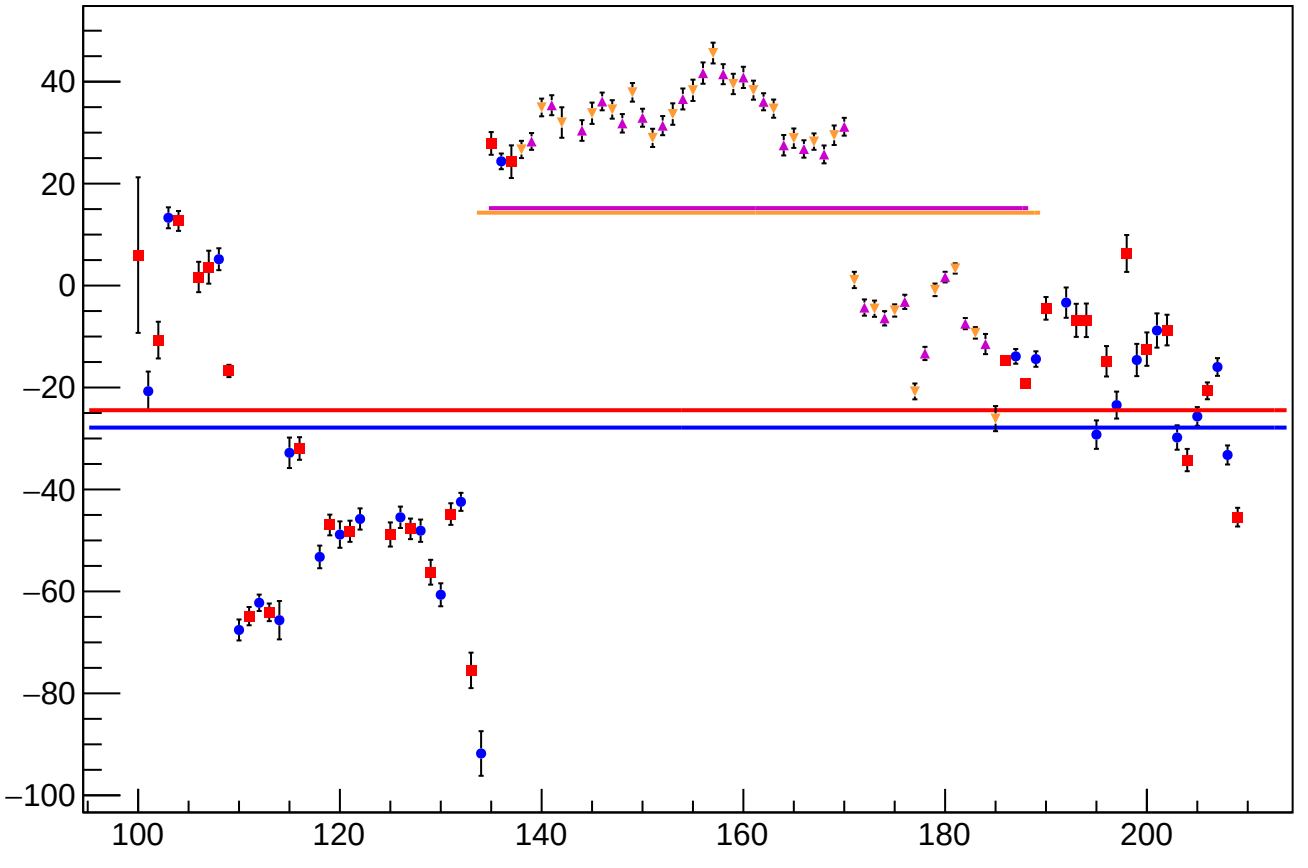
Left: -6.862+/-0.014 χ^2/NDF: 985866.7/46

Right: 12.978+/-0.036 χ^2/NDF: 357093.5/56

In: -4.299+/-0.019 χ^2/NDF:821133.7/49

Out: -3.905+/-0.019 χ^2/NDF:788928.1/53

All: -4.101+/-0.013 χ^2/NDF: 1610281.4/103



Right In: -27.861+/-0.411 χ^2/NDF: 3989.3/26

Left Out: 14.295+/-0.335 χ^2/NDF:3726.3/23

Right Out: -24.454+/-0.355 χ^2/NDF: 3935.8/29

Left In: 15.194+/-0.339 χ^2/NDF:3406.6/22

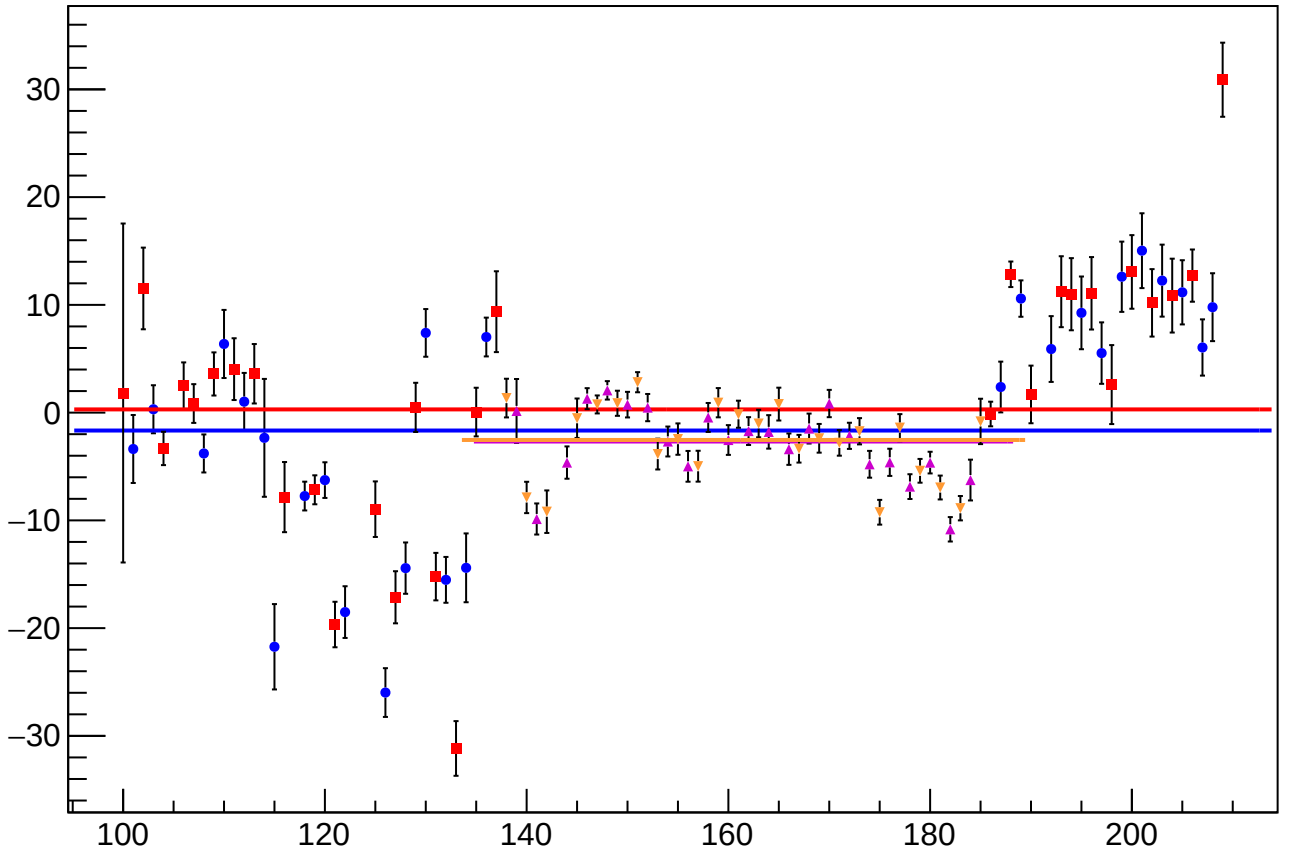
Left: 14.739+/-0.239 χ^2/NDF: 7136.5/46

Right: -25.906+/-0.269 χ^2/NDF: 7964.4/56

In: -2.244+/-0.262 χ^2/NDF:13913.1/49

Out: -3.990+/-0.244 χ^2/NDF:13967.9/53

All: -3.180+/-0.178 χ^2/NDF: 27904.8/103



Right In: -1.661+/-0.459 χ^2/NDF: 534.7/26

Left Out: -2.538+/-0.259 χ^2/NDF:198.4/23

Right Out: 0.299+/-0.408 χ^2/NDF: 704.9/29

Left In: -2.681+/-0.265 χ^2/NDF:182.0/22

Left: -2.608+/-0.185 χ^2/NDF: 380.6/46

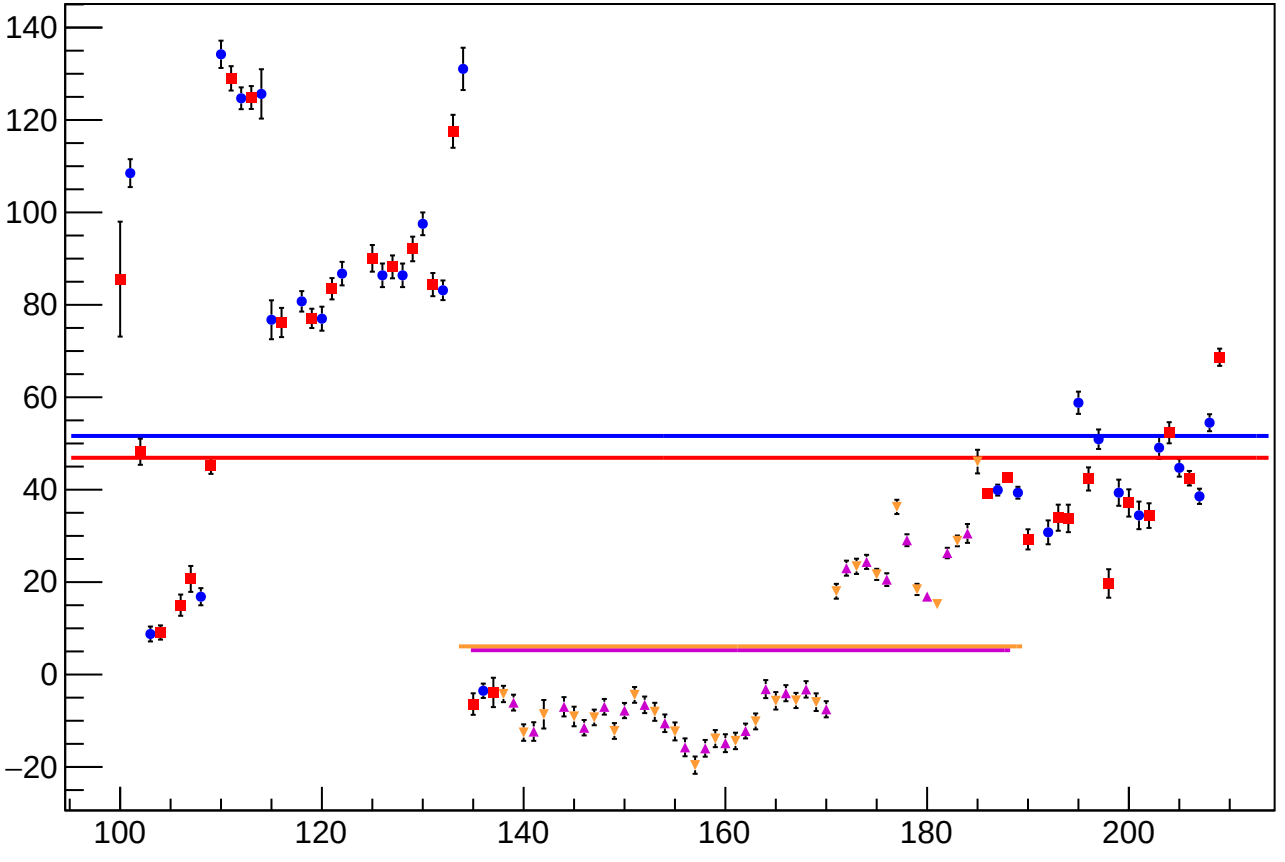
Right: -0.565+/-0.305 χ^2/NDF: 1249.8/56

In: -2.427+/-0.229 χ^2/NDF:720.4/49

Out: -1.722+/-0.219 χ^2/NDF:937.8/53

All: -2.057+/-0.158 χ^2/NDF: 1663.2/103

reg_asym_us_dd_at2lr_dd_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 51.629+/-0.407 χ^2/NDF: 6730.7/26

Left Out: 6.095+/-0.333 χ^2/NDF:2773.9/23

Right Out: 46.903+/-0.338 χ^2/NDF: 6100.3/29

Left In: 5.269+/-0.337 χ^2/NDF:2451.2/22

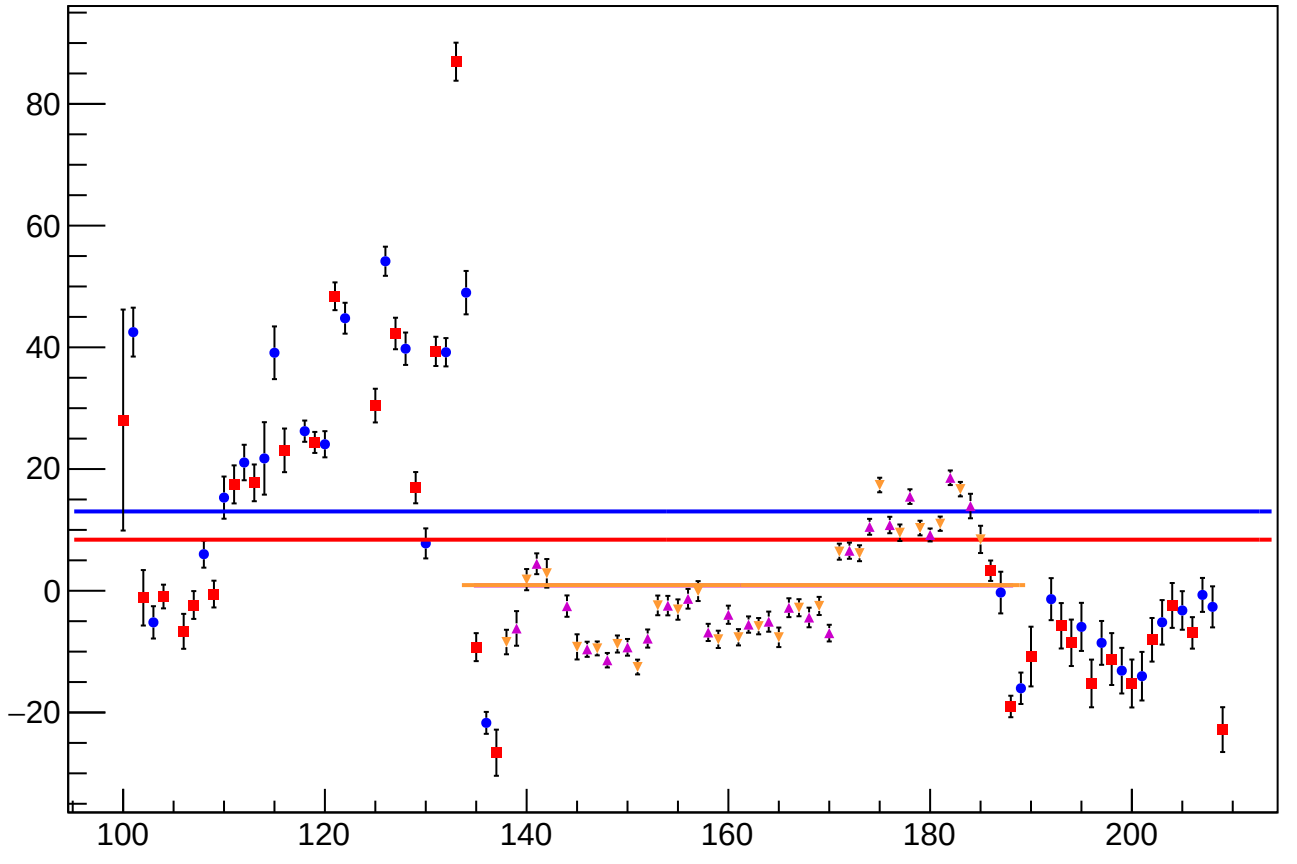
Left: 5.687+/-0.237 χ^2/NDF: 5228.1/46

Right: 48.832+/-0.260 χ^2/NDF: 12910.9/56

In: 24.110+/-0.259 χ^2/NDF:16894.4/49

Out: 26.206+/-0.237 χ^2/NDF:16281.3/53

All: 25.252+/-0.175 χ^2/NDF: 33211.3/103



Right In: 13.034+/-0.540 χ^2/NDF: 1807.6/26

Left Out: 0.929+/-0.292 χ^2/NDF:1041.7/23

Right Out: 8.394+/-0.498 χ^2/NDF: 2238.6/29

Left In: 0.878+/-0.297 χ^2/NDF:1006.0/22

Left: 0.904+/-0.208 χ^2/NDF: 2047.7/46

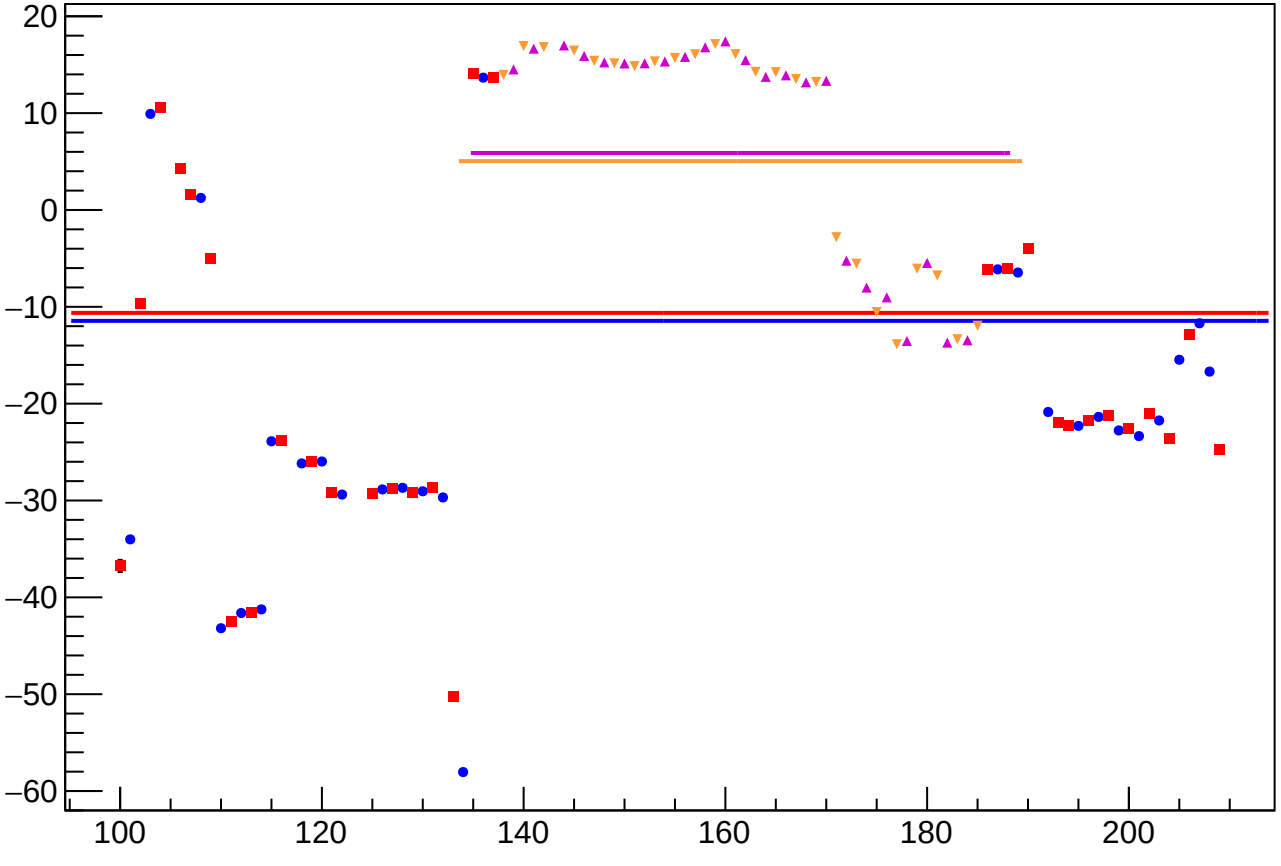
Right: 10.525+/-0.366 χ^2/NDF: 4086.1/56

In: 3.702+/-0.260 χ^2/NDF:3202.2/49

Out: 2.838+/-0.252 χ^2/NDF:3447.6/53

All: 3.255+/-0.181 χ^2/NDF: 6655.5/103

reg_asym_us_dd_at2lr_dd_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -11.451+/-0.025 χ^2/NDF: 489444.3/26

Left Out: 5.042+/-0.013 χ^2/NDF:855564.2/23

Right Out: -10.624+/-0.024 χ^2/NDF: 414200.8/29

Left In: 5.886+/-0.013 χ^2/NDF:846355.0/22

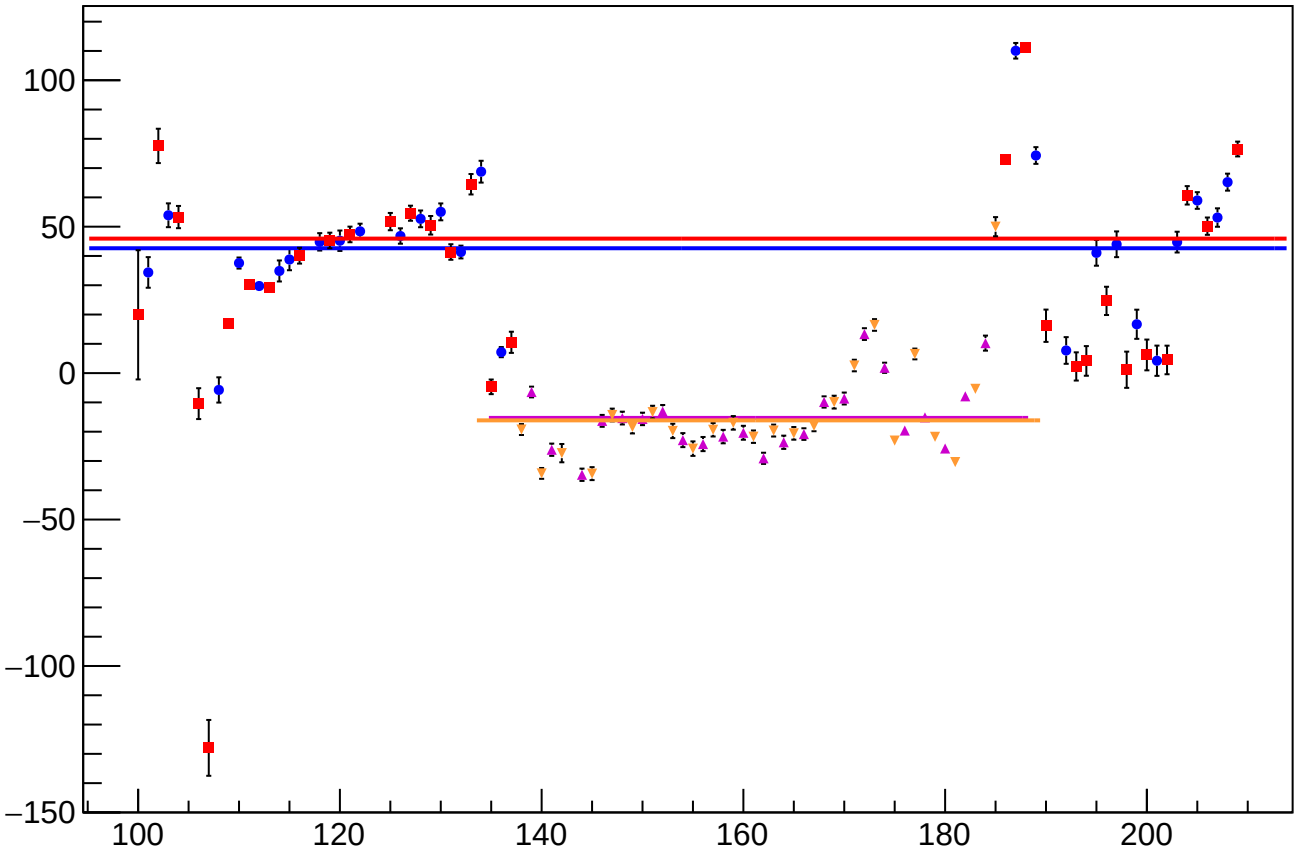
Left: 5.461+/-0.009 χ^2/NDF: 1703993.7/46

Right: -11.024+/-0.017 χ^2/NDF: 904221.3/56

In: 2.070+/-0.012 χ^2/NDF:1718543.3/49

Out: 1.447+/-0.011 χ^2/NDF:1599912.8/53

All: 1.755+/-0.008 χ^2/NDF: 3319916.0/103



Right In: 42.632+/-0.556 χ^2/NDF: 1730.6/26

Left Out: -16.132+/-0.398 χ^2/NDF:1364.9/23

Right Out: 45.925+/-0.505 χ^2/NDF: 4246.6/29

Left In: -15.295+/-0.403 χ^2/NDF:760.9/22

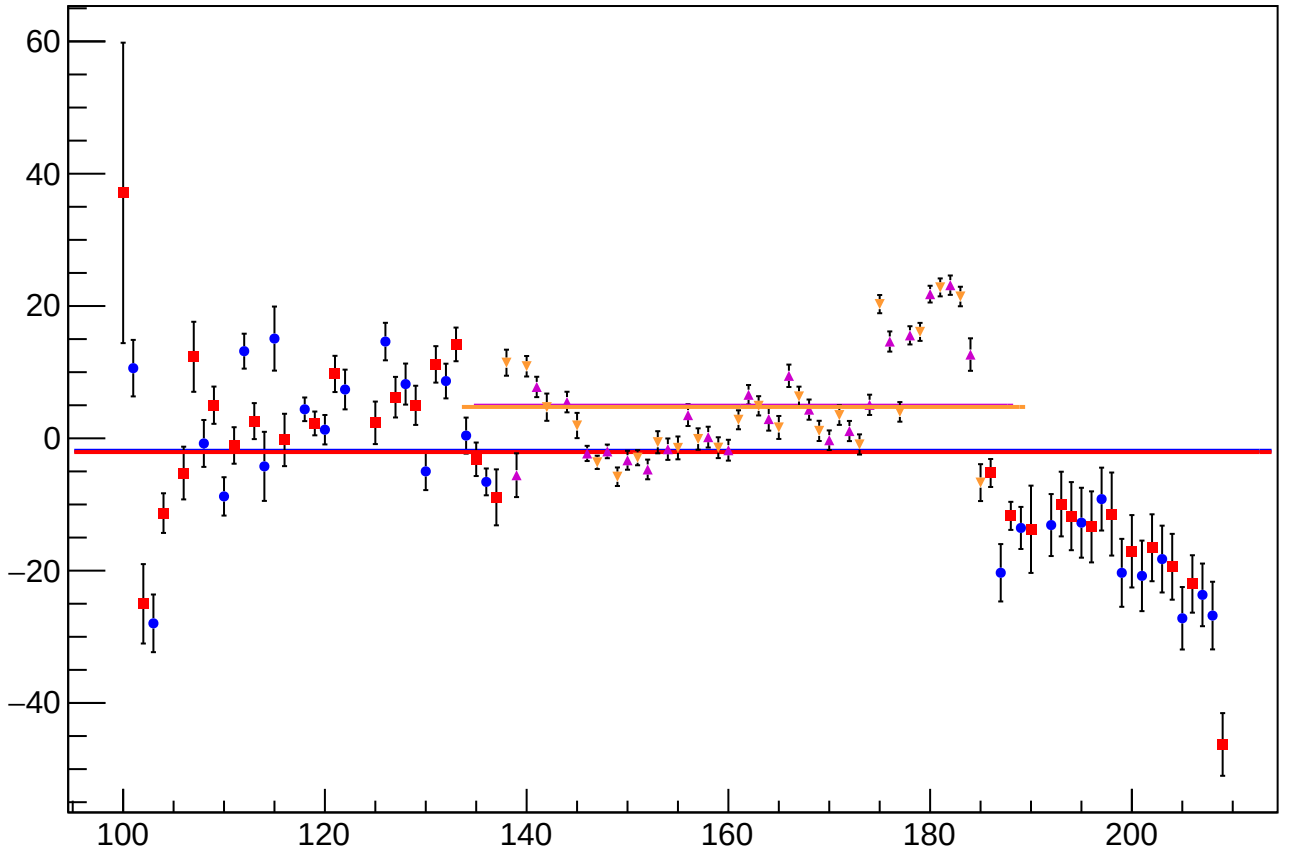
Left: -15.719+/-0.283 χ^2/NDF: 2128.0/46

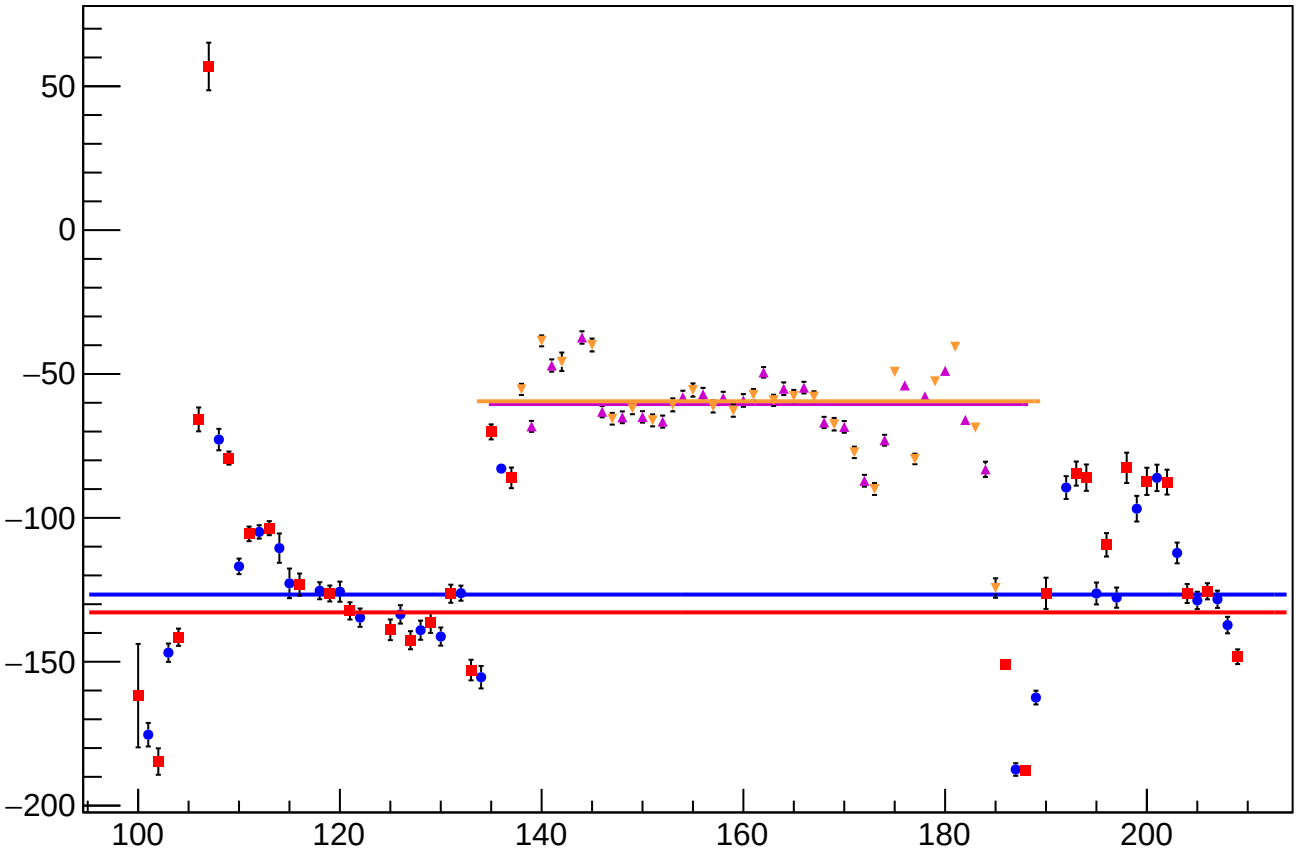
Right: 44.437+/-0.374 χ^2/NDF: 5996.5/56

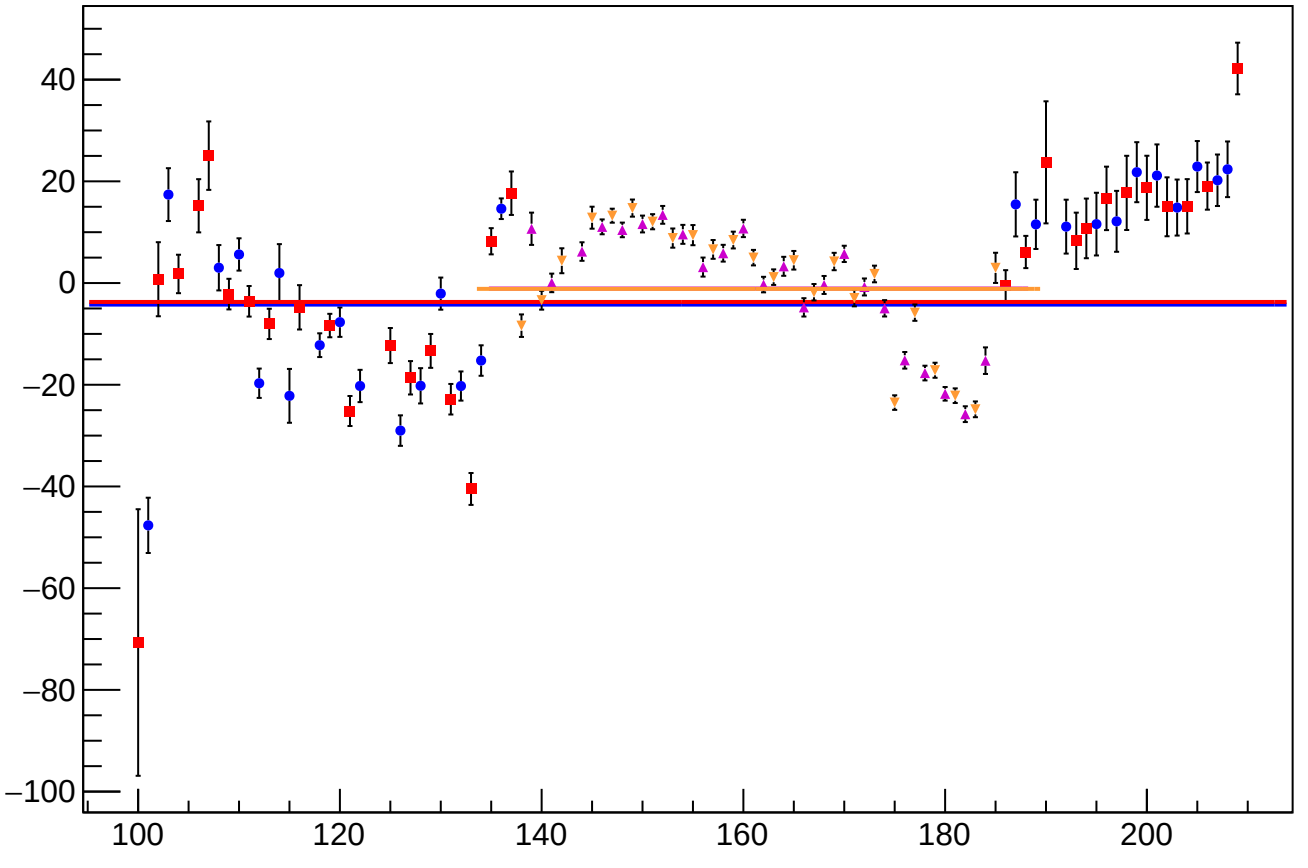
In: 4.677+/-0.326 χ^2/NDF:9607.5/49

Out: 7.655+/-0.312 χ^2/NDF:14935.0/53

All: 6.231+/-0.226 χ^2/NDF: 24585.9/103


reg_asym_us_dd_atlr_dd_avg_diff_bpm4aY_slope vs Slug, Sign Corrected
60
40
20
0
−20
−40
100
120
140
160
180
200
Right In: -1.881+/-0.626 χ²/NDF: 340.5/26
Left Out: 4.745+/-0.307 χ²/NDF:793.8/23
Right Out: -2.075+/-0.600 χ²/NDF: 325.7/29
Left In: 4.935+/-0.313 χ²/NDF:688.4/22
Left: 4.838+/-0.219 χ²/NDF: 1482.3/46
Right: -1.982+/-0.433 χ²/NDF: 666.2/56
In: 3.573+/-0.280 χ²/NDF:1123.6/49
Out: 3.335+/-0.273 χ²/NDF:1221.8/53
All: 3.451+/-0.195 χ²/NDF: 2345.7/103


reg_asym_us_dd_atlr_dd_avg_diff_bpm4eX_slope vs Slug, Sign Corrected
50
0
−50
−100
−150
−200
100
120
140
160
180
200
Right In: -126.650+/-0.591 χ²/NDF: 2463.3/26
Left Out: -59.480+/-0.395 χ²/NDF:1372.3/23
Right Out: -132.854+/-0.524 χ²/NDF: 5362.9/29
Left In: -60.435+/-0.400 χ²/NDF:668.3/22
Left: -59.952+/-0.281 χ²/NDF: 2043.4/46
Right: -130.122+/-0.392 χ²/NDF: 7887.8/56
In: -81.188+/-0.331 χ²/NDF:11741.1/49
Out: -86.032+/-0.315 χ²/NDF:19226.3/53
All: -83.726+/-0.228 χ²/NDF: 31079.7/103



Right In: -4.237+/-0.718 χ^2/NDF: 561.8/26

Left Out: -1.144+/-0.346 χ^2/NDF:1303.0/23

Right Out: -3.718+/-0.705 χ^2/NDF: 546.6/29

Left In: -1.082+/-0.352 χ^2/NDF:1157.4/22

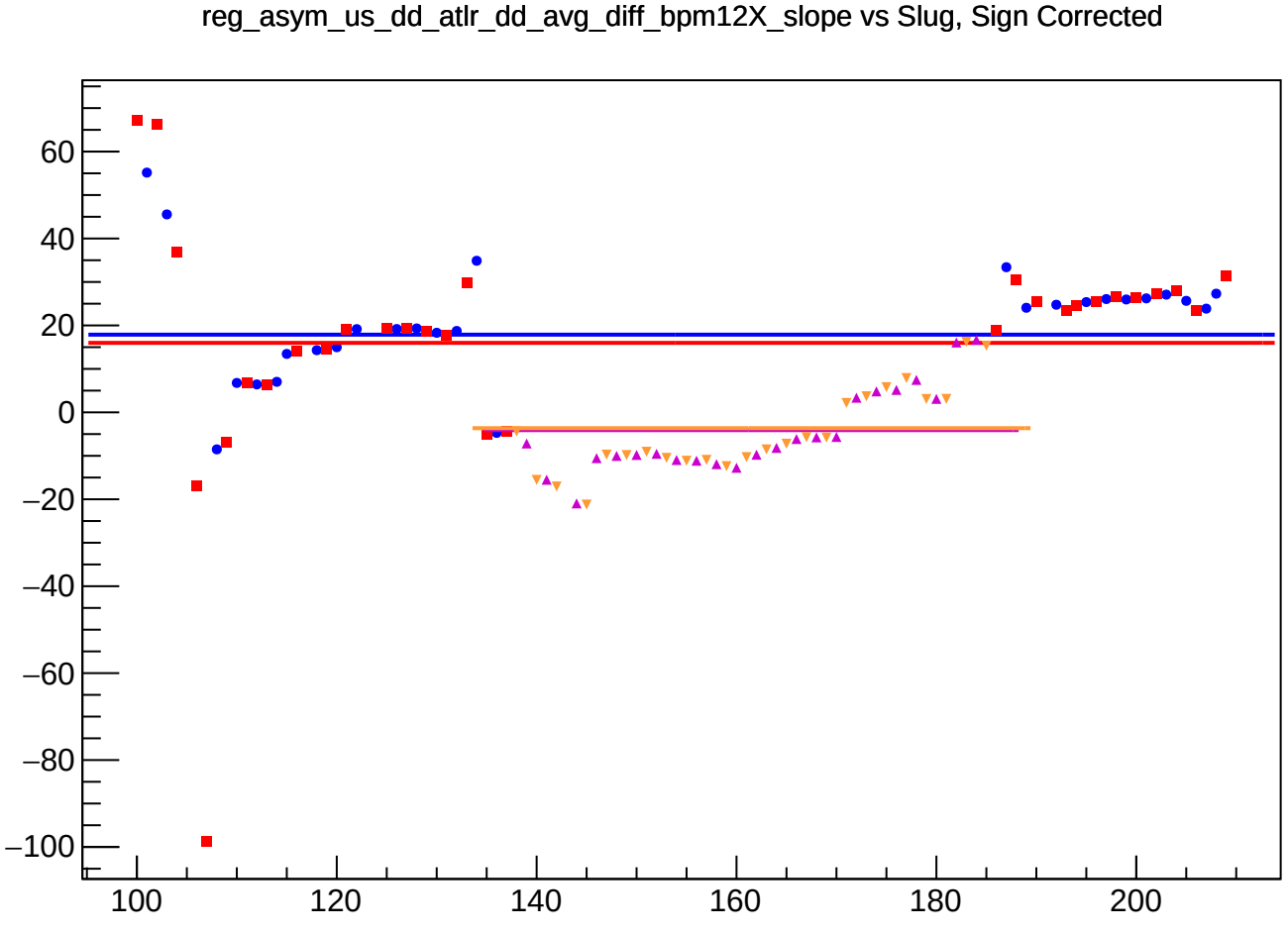
Left: -1.114+/-0.247 χ^2/NDF: 2460.4/46

Right: -3.973+/-0.503 χ^2/NDF: 1108.6/56

In: -1.692+/-0.316 χ^2/NDF:1734.7/49

Out: -1.643+/-0.310 χ^2/NDF:1860.4/53

All: -1.667+/-0.221 χ^2/NDF: 3595.1/103



Right In: 17.877+/-0.036 χ^2/NDF: 211514.2/26

Left Out: -3.639+/-0.015 χ^2/NDF:345861.2/23

Right Out: 15.989+/-0.036 χ^2/NDF: 347491.8/29

Left In: -4.091+/-0.016 χ^2/NDF:333287.4/22

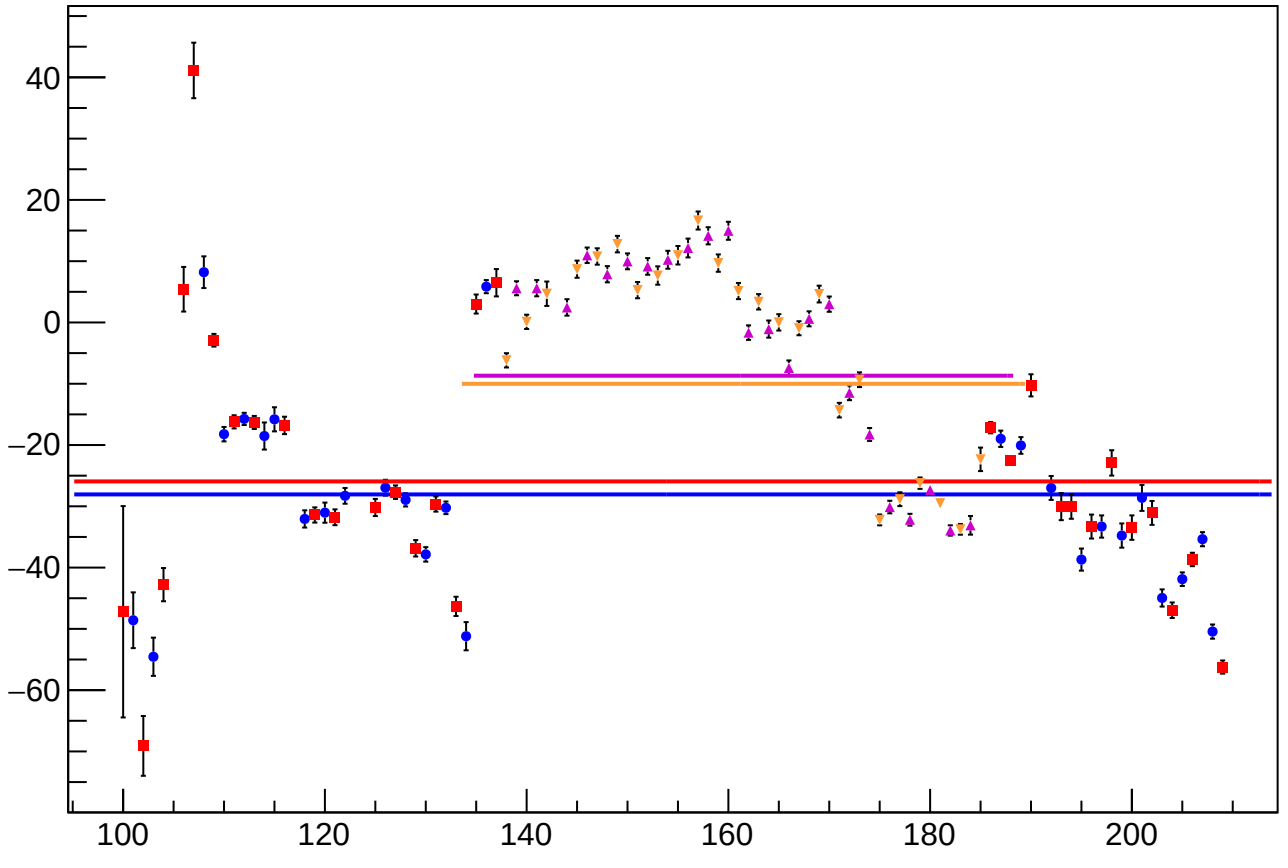
Left: -3.864+/-0.011 χ^2/NDF: 679574.3/46

Right: 16.934+/-0.026 χ^2/NDF: 560360.6/56

In: -0.682+/-0.014 χ^2/NDF:855289.4/49

Out: -0.626+/-0.014 χ^2/NDF:941063.3/53

All: -0.654+/-0.010 χ^2/NDF: 1796360.4/103



Right In: -28.060+/-0.273 χ^2/NDF: 2602.7/26

Left Out: -10.013+/-0.244 χ^2/NDF:4977.5/23

Right Out: -25.939+/-0.256 χ^2/NDF: 3405.3/29

Left In: -8.689+/-0.248 χ^2/NDF:5021.6/22

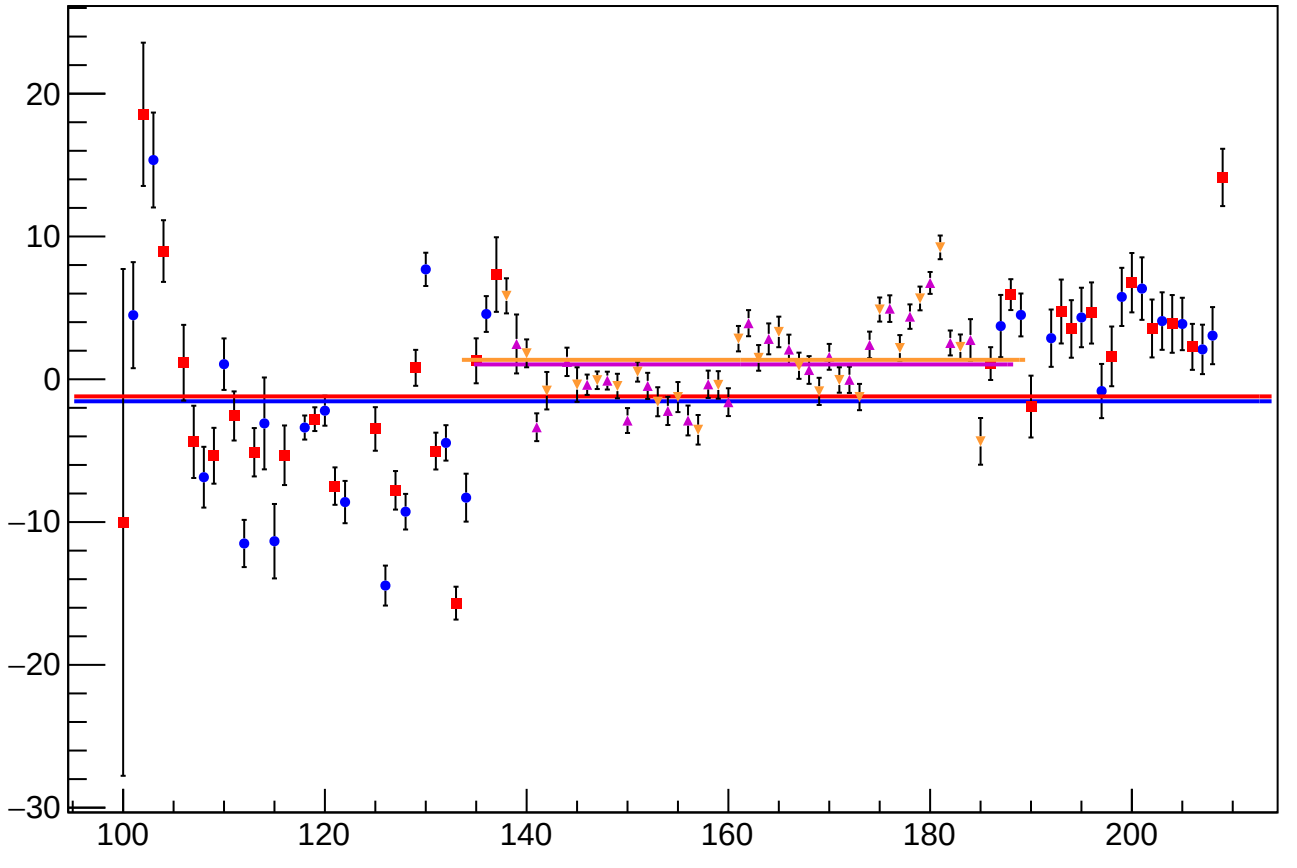
Left: -9.360+/-0.174 χ^2/NDF: 10013.6/46

Right: -26.932+/-0.187 χ^2/NDF: 6040.1/56

In: -17.434+/-0.183 χ^2/NDF:10386.1/49

Out: -17.603+/-0.177 χ^2/NDF:10407.8/53

All: -17.522+/-0.127 χ^2/NDF: 20794.3/103



Right In: -1.542+/-0.307 χ^2/NDF: 434.2/26

Left Out: 1.361+/-0.188 χ^2/NDF:240.3/23

Right Out: -1.199+/-0.297 χ^2/NDF: 448.9/29

Left In: 1.041+/-0.192 χ^2/NDF:196.1/22

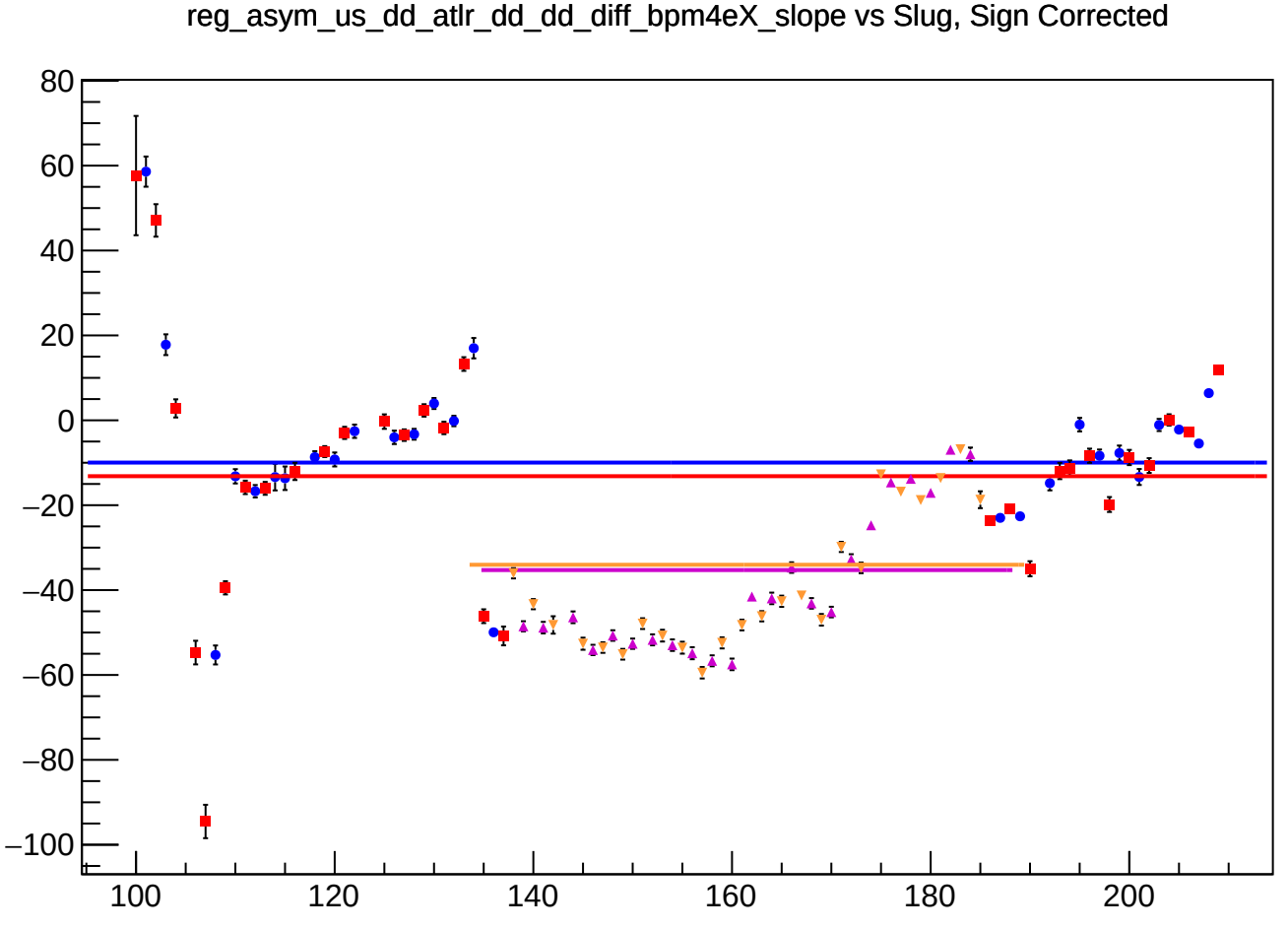
Left: 1.204+/-0.135 χ^2/NDF: 437.8/46

Right: -1.365+/-0.213 χ^2/NDF: 883.8/56

In: 0.313+/-0.163 χ^2/NDF:681.0/49

Out: 0.626+/-0.159 χ^2/NDF:742.3/53

All: 0.474+/-0.114 χ^2/NDF: 1425.2/103



Right In: -9.962+/-0.286 χ^2/NDF: 3282.5/26

Left Out: -34.036+/-0.243 χ^2/NDF:4965.7/23

Right Out: -13.169+/-0.260 χ^2/NDF: 3866.6/29

Left In: -35.285+/-0.245 χ^2/NDF:4998.0/22

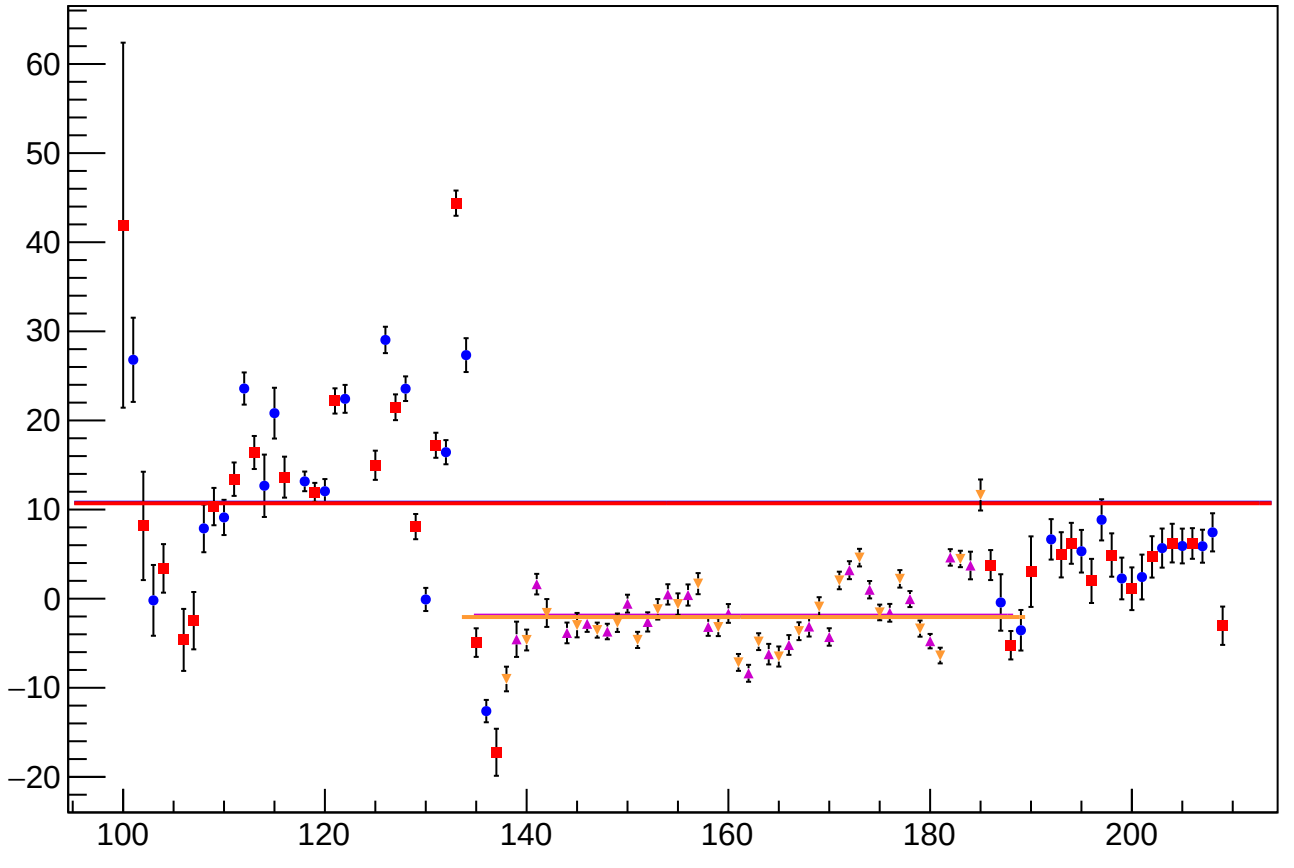
Left: -34.653+/-0.173 χ^2/NDF: 9976.8/46

Right: -11.718+/-0.192 χ^2/NDF: 7218.2/56

In: -24.525+/-0.186 χ^2/NDF:12804.1/49

Out: -24.310+/-0.177 χ^2/NDF:12282.5/53

All: -24.412+/-0.128 χ^2/NDF: 25087.3/103



Right In: 10.770+/-0.354 χ^2/NDF: 1000.4/26

Left Out: -2.062+/-0.212 χ^2/NDF:332.4/23

Right Out: 10.708+/-0.349 χ^2/NDF: 1208.8/29

Left In: -1.905+/-0.216 χ^2/NDF:222.1/22

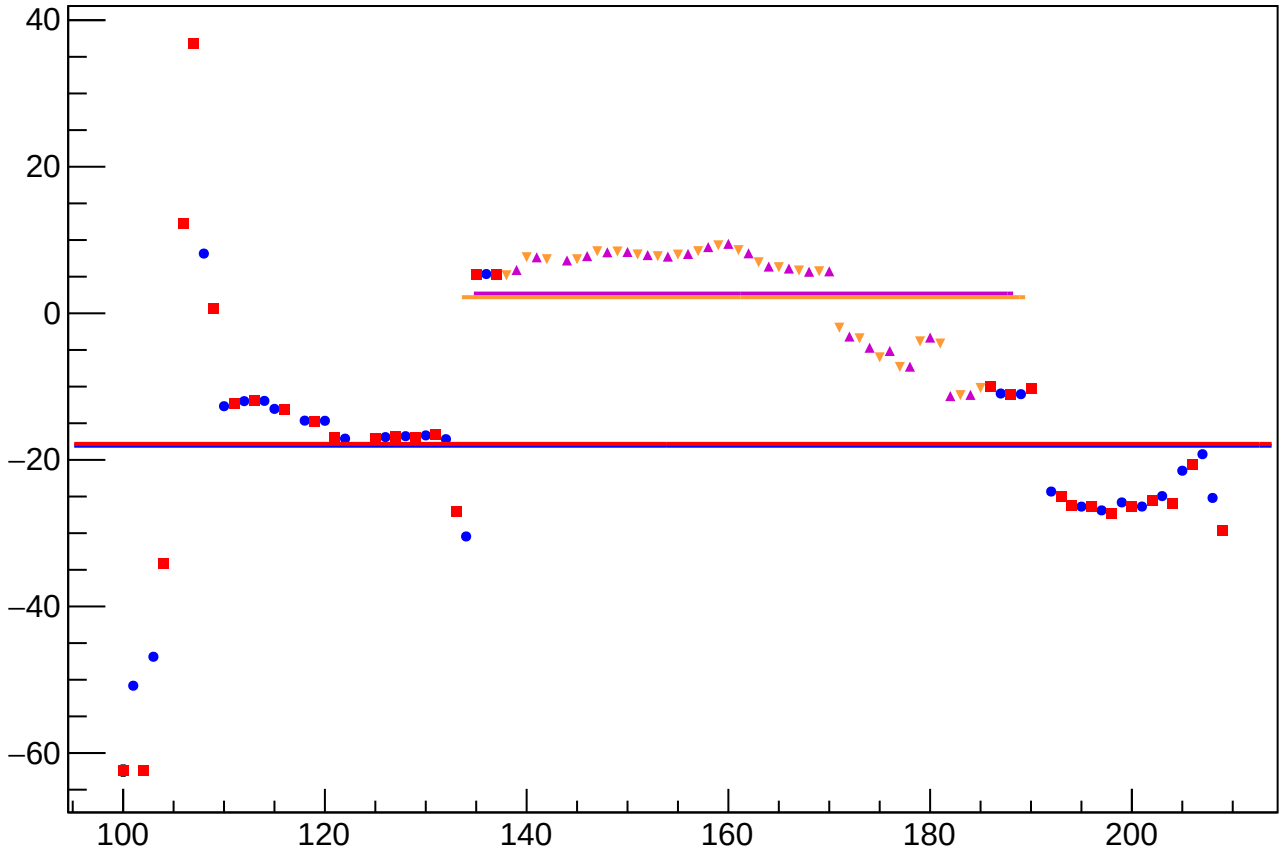
Left: -1.985+/-0.151 χ^2/NDF: 554.7/46

Right: 10.739+/-0.248 χ^2/NDF: 2209.3/56

In: 1.540+/-0.184 χ^2/NDF:2156.7/49

Out: 1.387+/-0.181 χ^2/NDF:2519.0/53

All: 1.462+/-0.129 χ^2/NDF: 4676.1/103



Right In: -18.064+/-0.018 χ^2/NDF: 505477.5/26

Left Out: 2.198+/-0.009 χ^2/NDF:508502.1/23

Right Out: -17.815+/-0.018 χ^2/NDF: 597441.5/29

Left In: 2.694+/-0.010 χ^2/NDF:498824.3/22

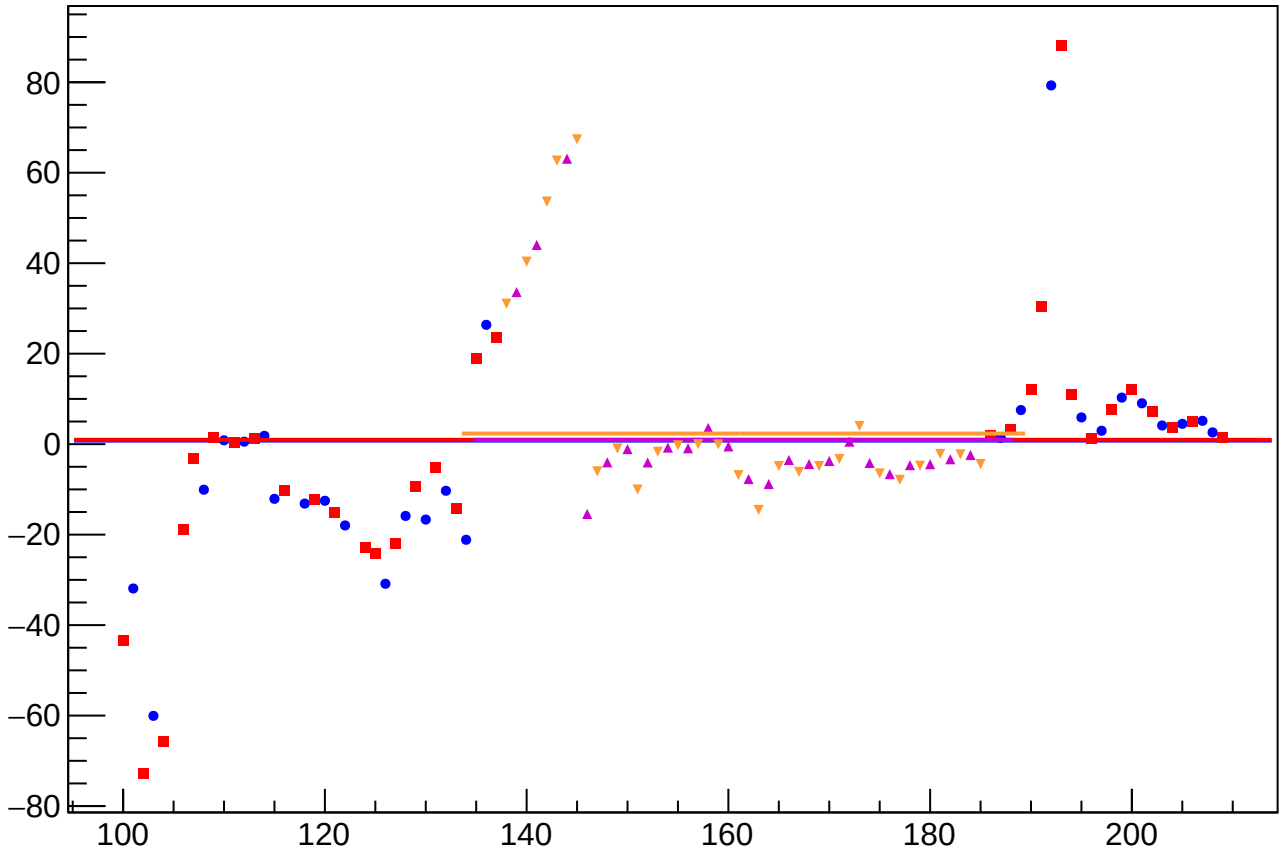
Left: 2.445+/-0.007 χ^2/NDF: 1008683.1/46

Right: -17.938+/-0.012 χ^2/NDF: 1103018.5/56

In: -1.977+/-0.008 χ^2/NDF:2066893.2/49

Out: -2.333+/-0.008 χ^2/NDF:2111759.8/53

All: -2.156+/-0.006 χ^2/NDF: 4179555.1/103



Right In: 0.795+/-0.039 χ^2/NDF: 119573.8/26

Left Out: 2.341+/-0.040 χ^2/NDF:176986.1/24

Right Out: 0.957+/-0.034 χ^2/NDF: 120649.6/31

Left In: 0.957+/-0.040 χ^2/NDF:132519.8/22

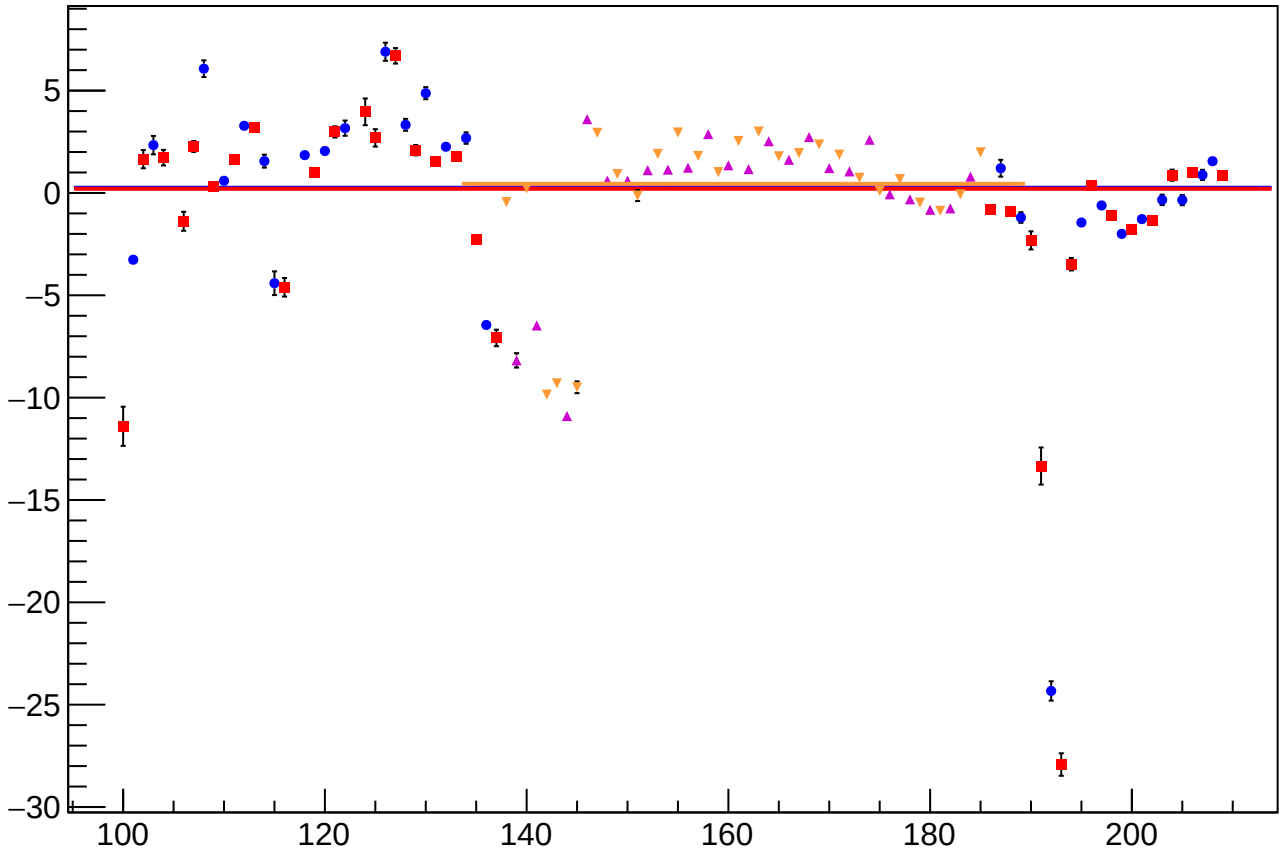
Left: 1.643+/-0.028 χ^2/NDF: 310101.9/47

Right: 0.887+/-0.026 χ^2/NDF: 240233.0/58

In: 0.875+/-0.028 χ^2/NDF:252102.0/49

Out: 1.540+/-0.026 χ^2/NDF:298320.2/56

All: 1.230+/-0.019 χ^2/NDF: 550723.9/106



Right In: 0.255+/-0.047 χ^2/NDF: 5862.5/26

Left Out: 0.446+/-0.033 χ^2/NDF:7044.3/24

Right Out: 0.204+/-0.044 χ^2/NDF: 5100.0/31

Left In: 0.427+/-0.031 χ^2/NDF:7102.3/22

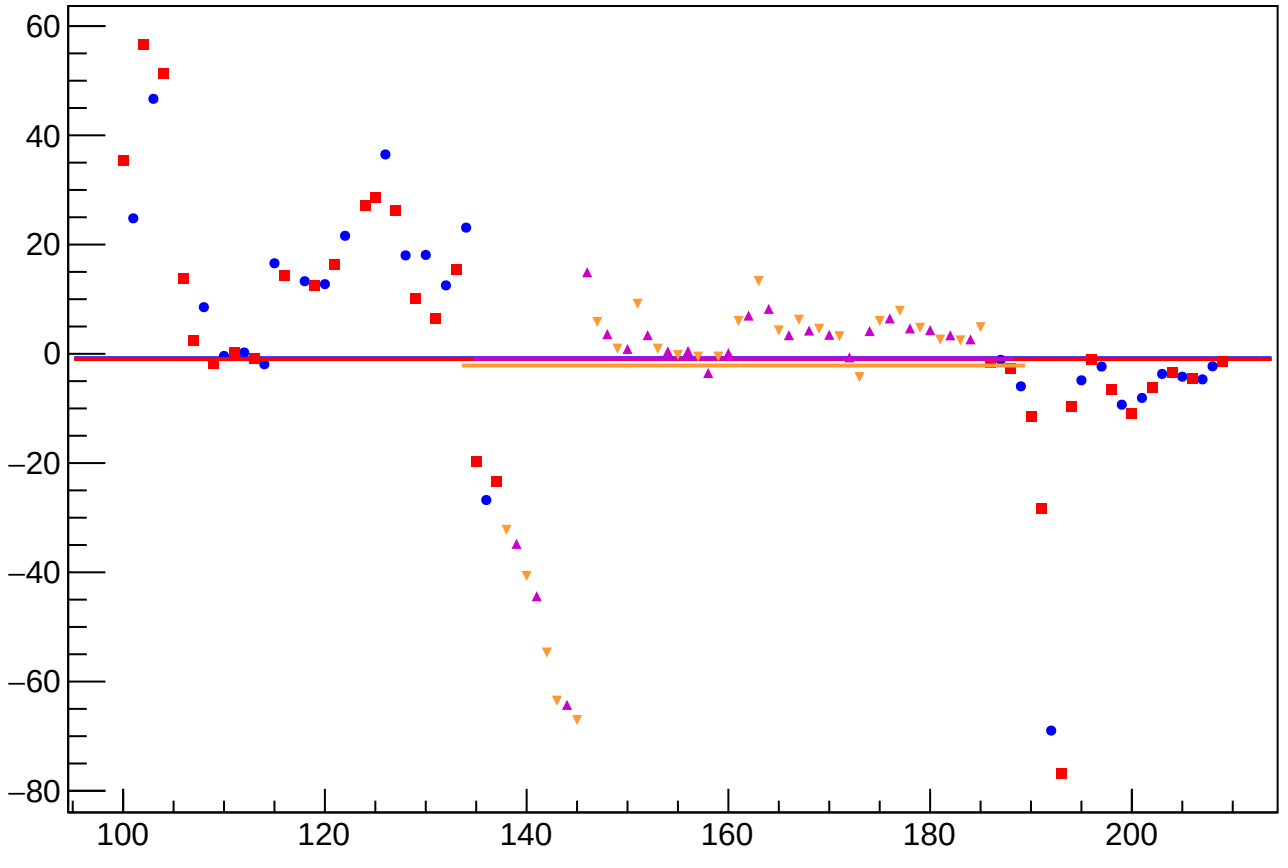
Left: 0.436+/-0.023 χ^2/NDF: 14146.8/47

Right: 0.228+/-0.032 χ^2/NDF: 10963.1/58

In: 0.373+/-0.026 χ^2/NDF:12974.2/49

Out: 0.359+/-0.026 χ^2/NDF:12163.8/56

All: 0.366+/-0.018 χ^2/NDF: 25138.1/106



Right In: -0.813+/-0.040 χ^2/NDF: 118359.0/26

Left Out: -2.143+/-0.040 χ^2/NDF:171271.2/24

Right Out: -0.955+/-0.036 χ^2/NDF: 118939.2/31

Left In: -0.881+/-0.039 χ^2/NDF:129197.8/22

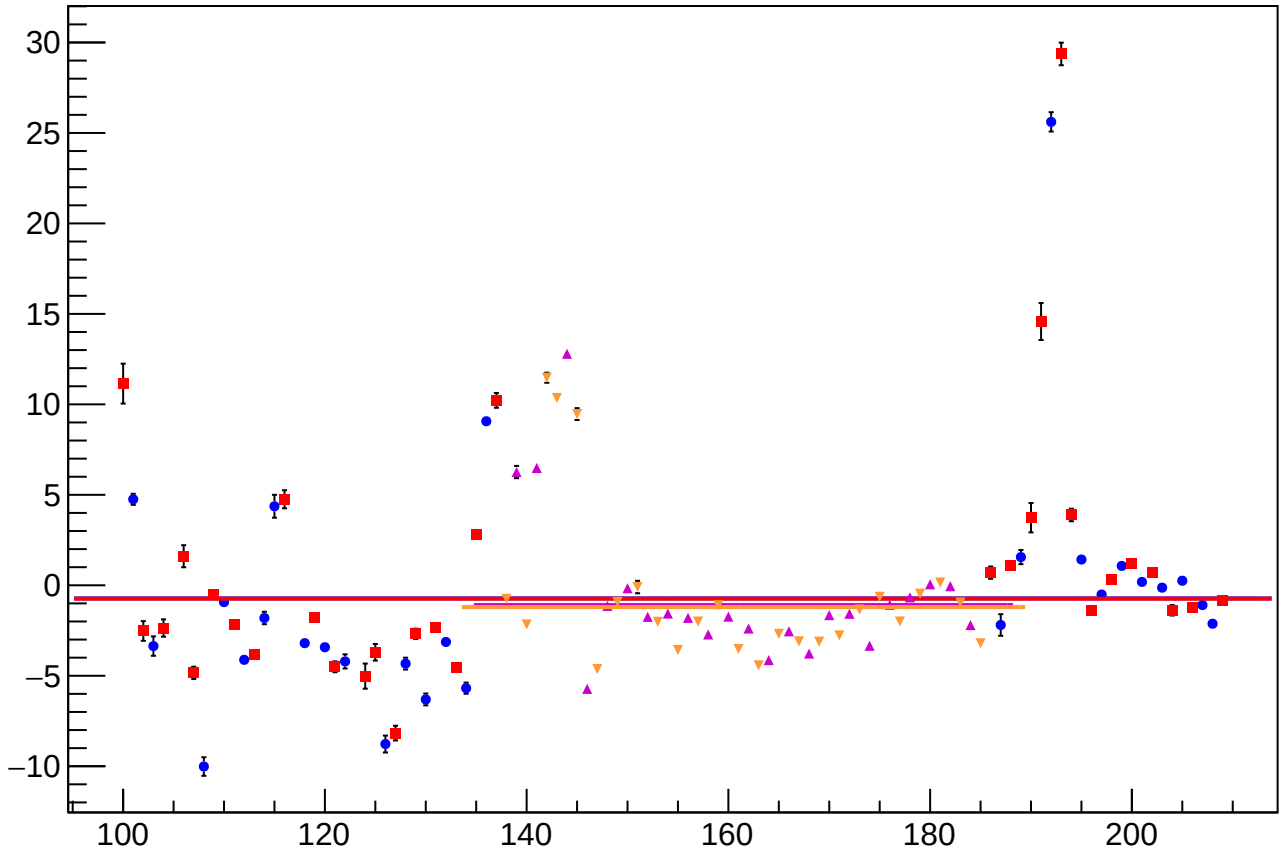
Left: -1.498+/-0.028 χ^2/NDF: 300971.3/47

Right: -0.892+/-0.027 χ^2/NDF: 237305.1/58

In: -0.848+/-0.028 χ^2/NDF:247558.3/49

Out: -1.486+/-0.027 χ^2/NDF:290691.7/56

All: -1.182+/-0.019 χ^2/NDF: 538518.0/106



Right In: -0.725+/-0.054 χ^2/NDF: 7353.0/26

Left Out: -1.206+/-0.036 χ^2/NDF:7003.0/24

Right Out: -0.739+/-0.051 χ^2/NDF: 5611.1/31

Left In: -1.094+/-0.035 χ^2/NDF:7029.2/22

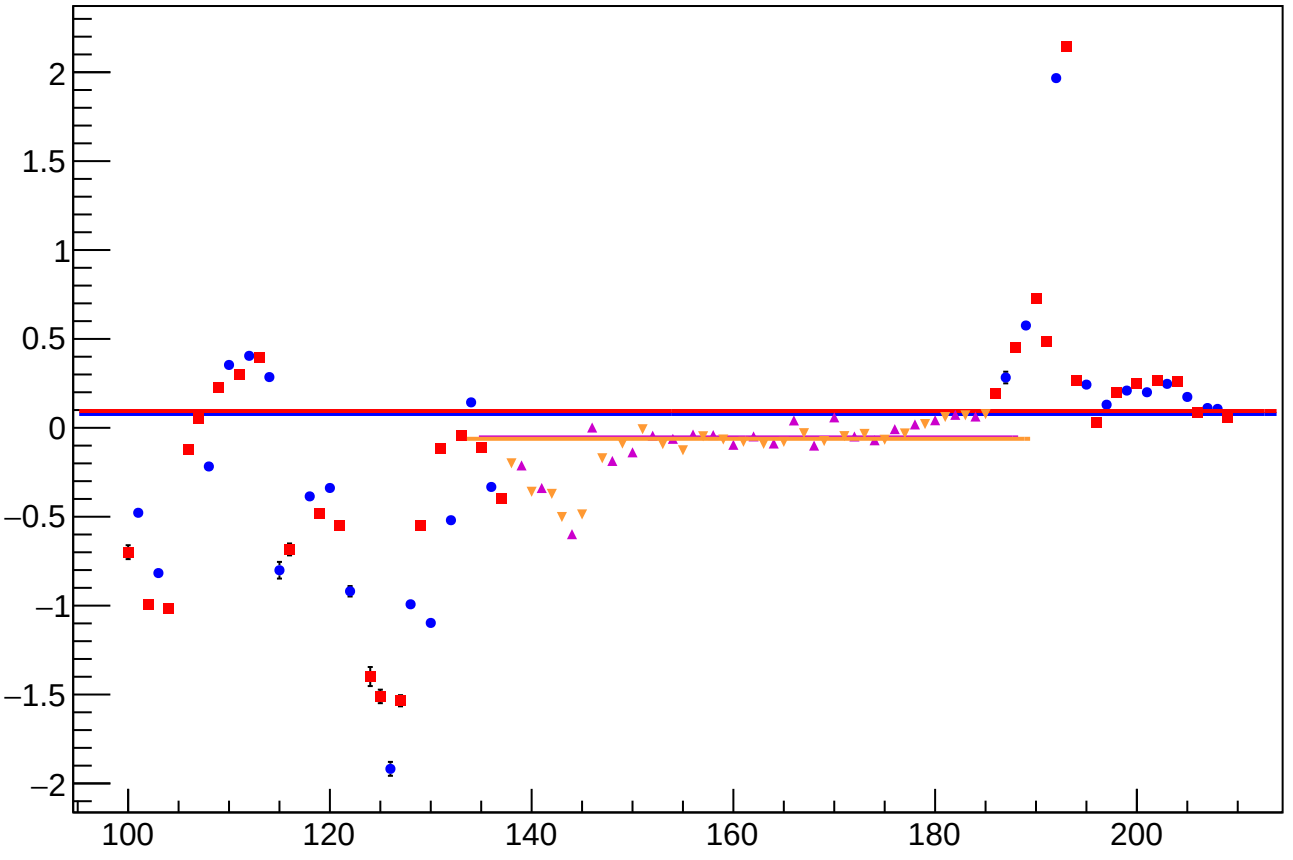
Left: -1.147+/-0.025 χ^2/NDF: 14037.2/47

Right: -0.732+/-0.037 χ^2/NDF: 12964.1/58

In: -0.985+/-0.029 χ^2/NDF:14415.1/49

Out: -1.048+/-0.030 χ^2/NDF:12670.1/56

All: -1.016+/-0.021 χ^2/NDF: 27087.5/106



Right In: 0.078+/-0.002 χ^2/NDF: 34006.7/26

Left Out: -0.062+/-0.002 χ^2/NDF:5711.9/24

Right Out: 0.095+/-0.002 χ^2/NDF: 34650.8/31

Left In: -0.054+/-0.001 χ^2/NDF:5029.9/22

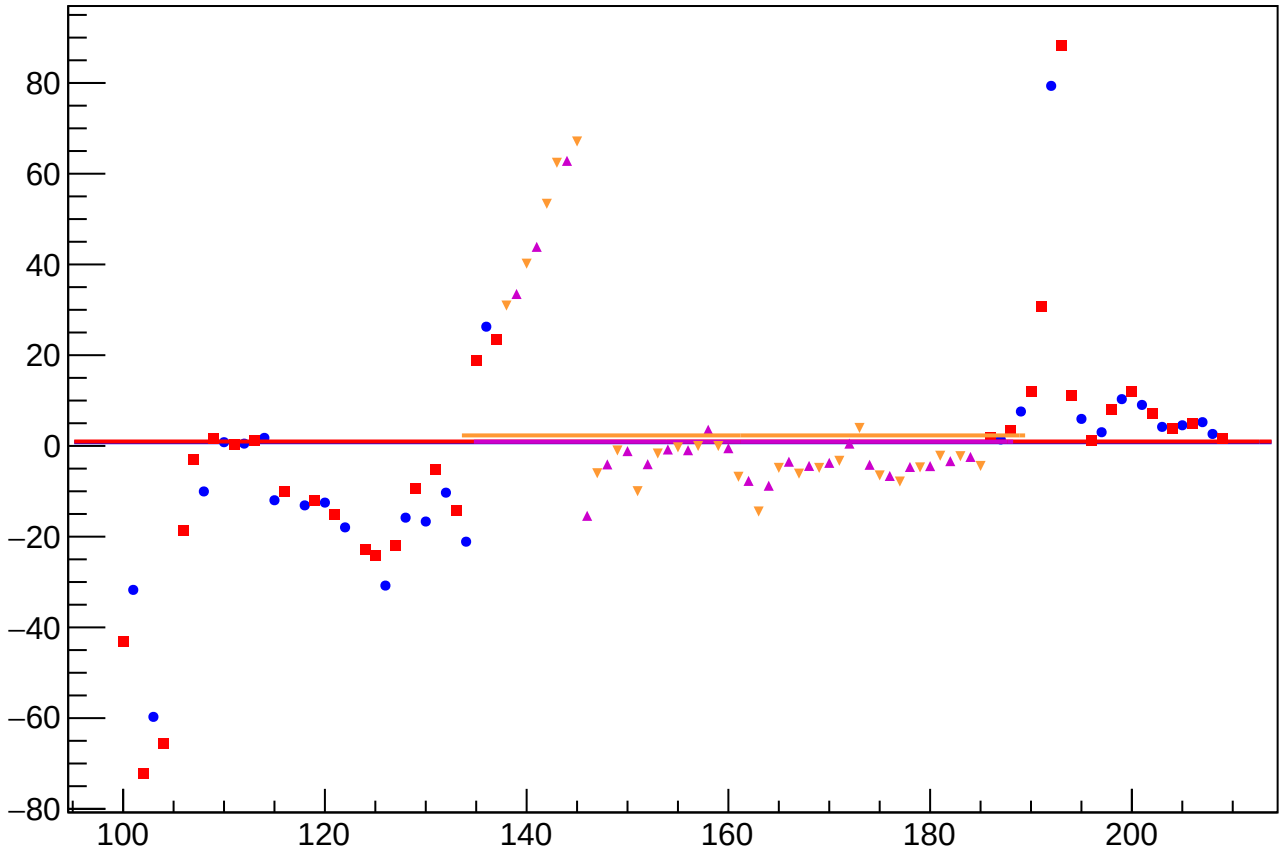
Left: -0.058+/-0.001 χ^2/NDF: 10754.7/47

Right: 0.086+/-0.002 χ^2/NDF: 68682.8/58

In: -0.017+/-0.001 χ^2/NDF:41228.2/49

Out: -0.012+/-0.001 χ^2/NDF:43474.3/56

All: -0.014+/-0.001 χ^2/NDF: 84710.4/106



Right In: 0.814+/-0.039 χ^2/NDF: 120072.1/26

Left Out: 2.318+/-0.040 χ^2/NDF:176746.3/24

Right Out: 0.975+/-0.034 χ^2/NDF: 121198.4/31

Left In: 0.935+/-0.040 χ^2/NDF:132405.3/22

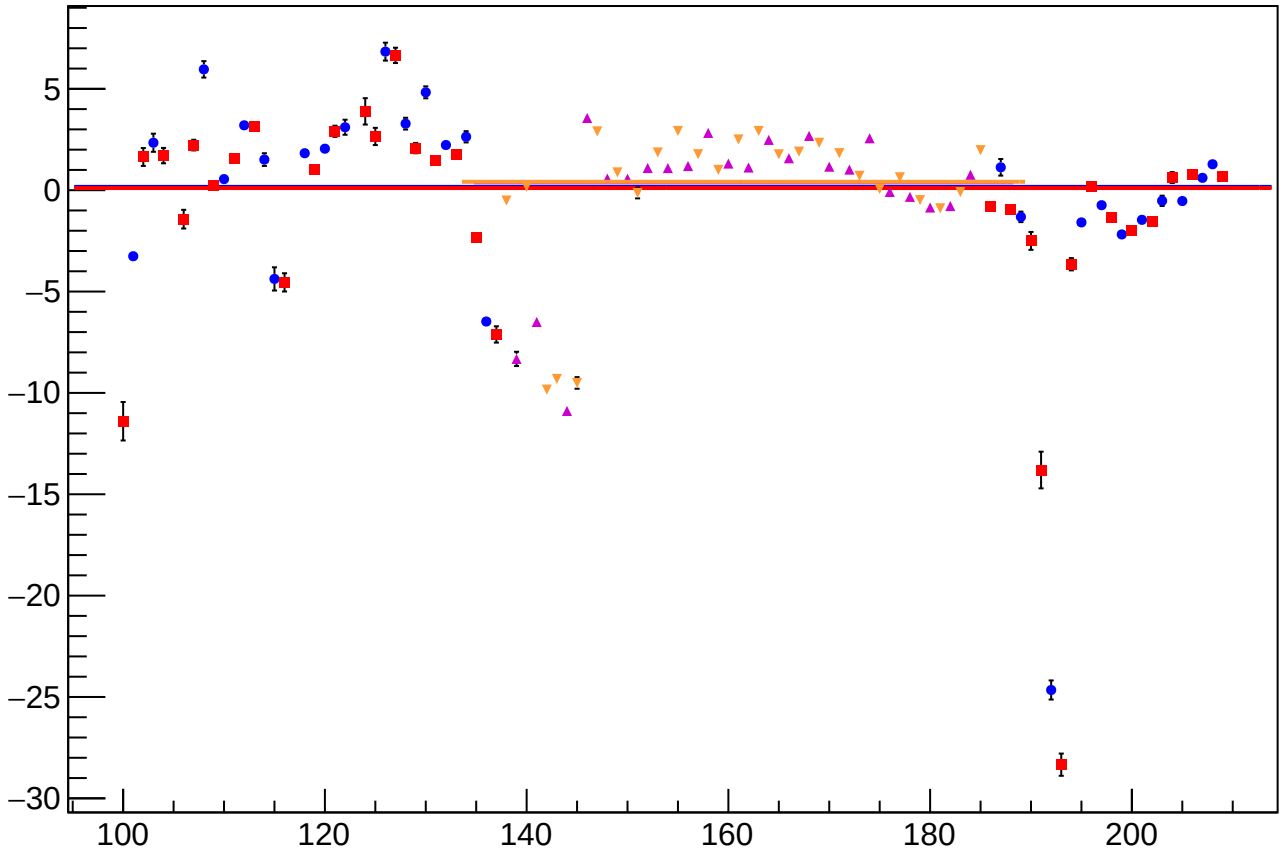
Left: 1.621+/-0.028 χ^2/NDF: 309750.0/47

Right: 0.905+/-0.026 χ^2/NDF: 241280.2/58

In: 0.873+/-0.028 χ^2/NDF:252482.2/49

Out: 1.538+/-0.026 χ^2/NDF:298594.8/56

All: 1.229+/-0.019 χ^2/NDF: 551381.6/106



Right In: 0.163+/-0.046 χ^2/NDF: 5987.1/26

Left Out: 0.414+/-0.033 χ^2/NDF:7047.2/24

Right Out: 0.106+/-0.044 χ^2/NDF: 5261.0/31

Left In: 0.389+/-0.031 χ^2/NDF:7114.2/22

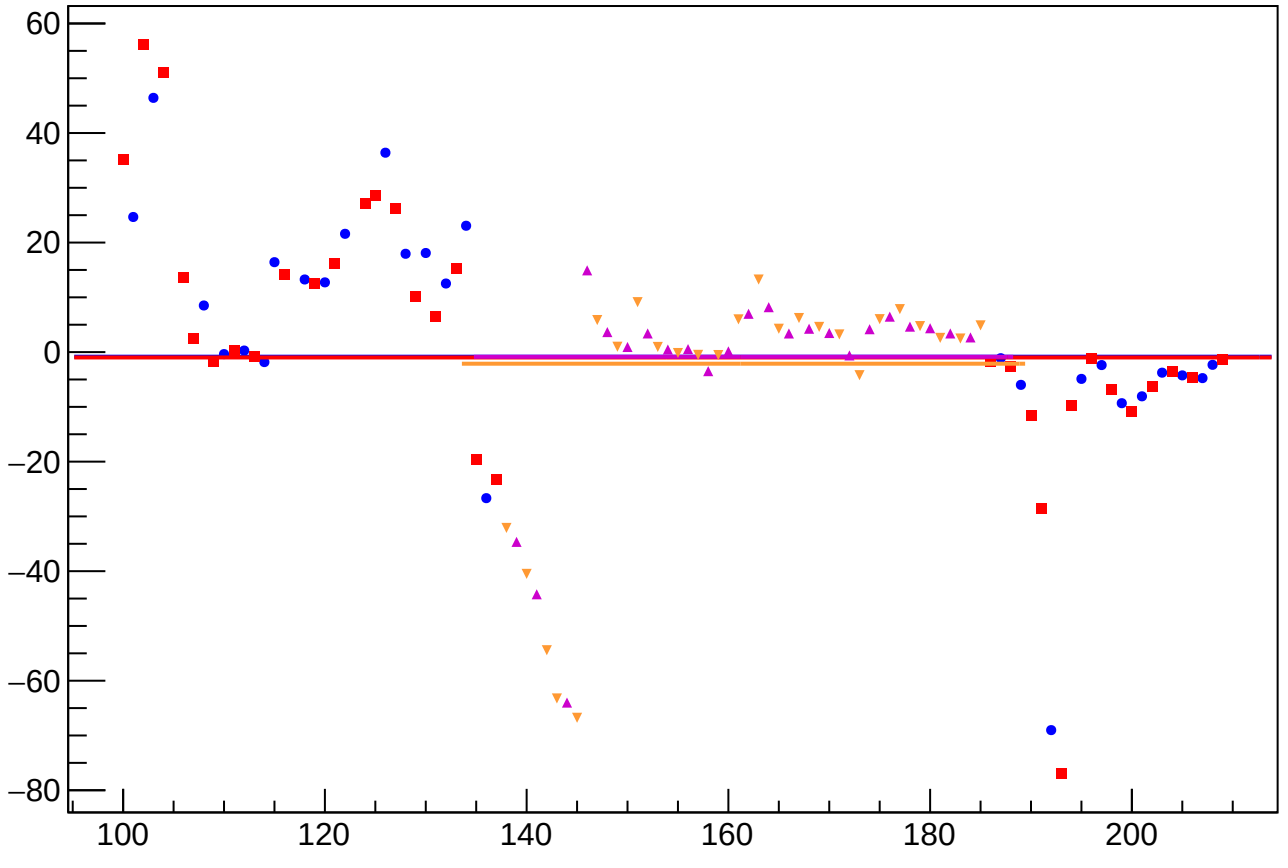
Left: 0.401+/-0.023 χ^2/NDF: 14161.7/47

Right: 0.133+/-0.032 χ^2/NDF: 11249.0/58

In: 0.318+/-0.026 χ^2/NDF:13117.7/49

Out: 0.303+/-0.026 χ^2/NDF:12340.1/56

All: 0.311+/-0.018 χ^2/NDF: 25457.9/106



Right In: -0.837+/-0.040 χ^2/NDF: 118824.9/26

Left Out: -2.119+/-0.040 χ^2/NDF:171039.7/24

Right Out: -0.980+/-0.036 χ^2/NDF: 119462.9/31

Left In: -0.859+/-0.039 χ^2/NDF:129084.9/22

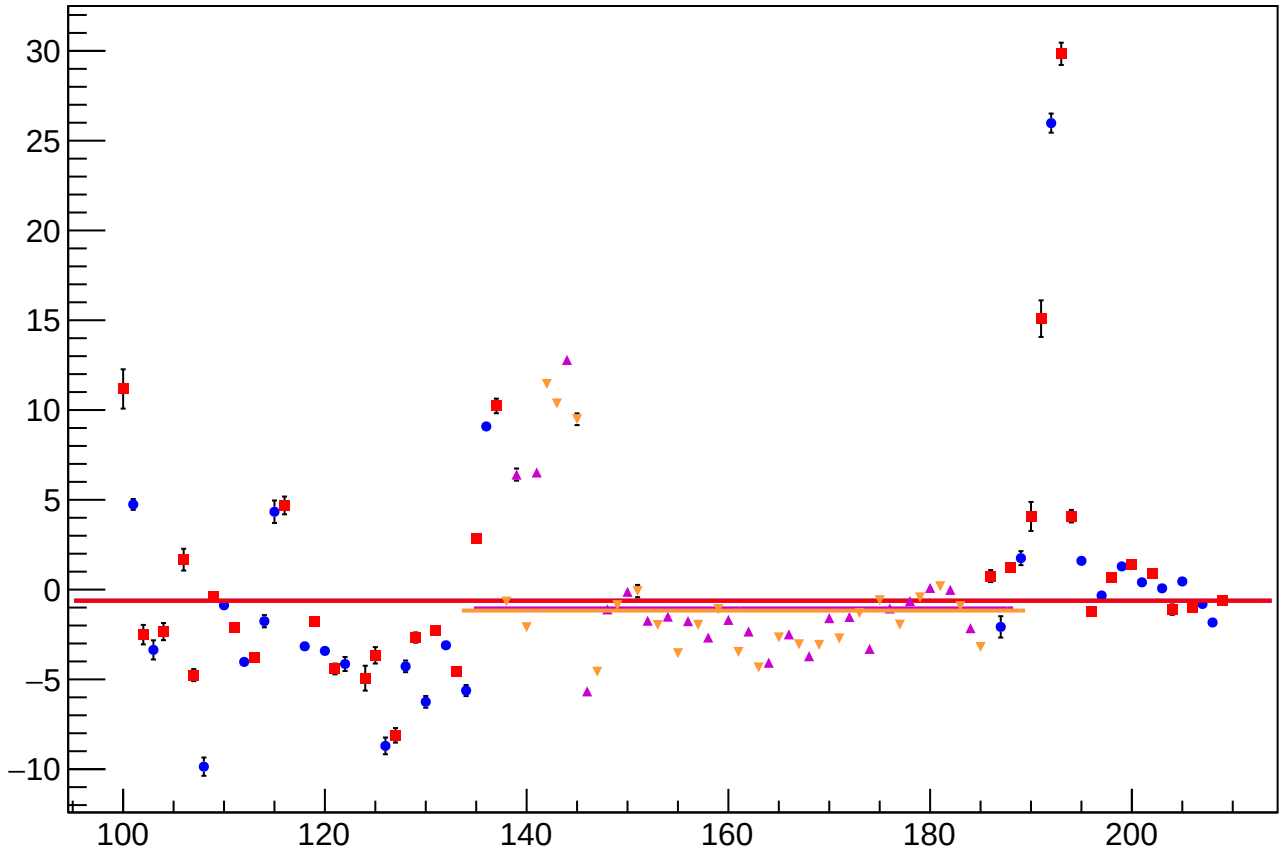
Left: -1.475+/-0.028 χ^2/NDF: 300629.4/47

Right: -0.917+/-0.027 χ^2/NDF: 238294.8/58

In: -0.848+/-0.028 χ^2/NDF:247910.0/49

Out: -1.488+/-0.027 χ^2/NDF:290949.7/56

All: -1.183+/-0.019 χ^2/NDF: 539131.2/106



Right In: -0.613+/-0.054 χ^2/NDF: 7461.3/26

Left Out: -1.167+/-0.036 χ^2/NDF:7001.4/24

Right Out: -0.621+/-0.051 χ^2/NDF: 5766.0/31

Left In: -1.048+/-0.035 χ^2/NDF:7040.7/22

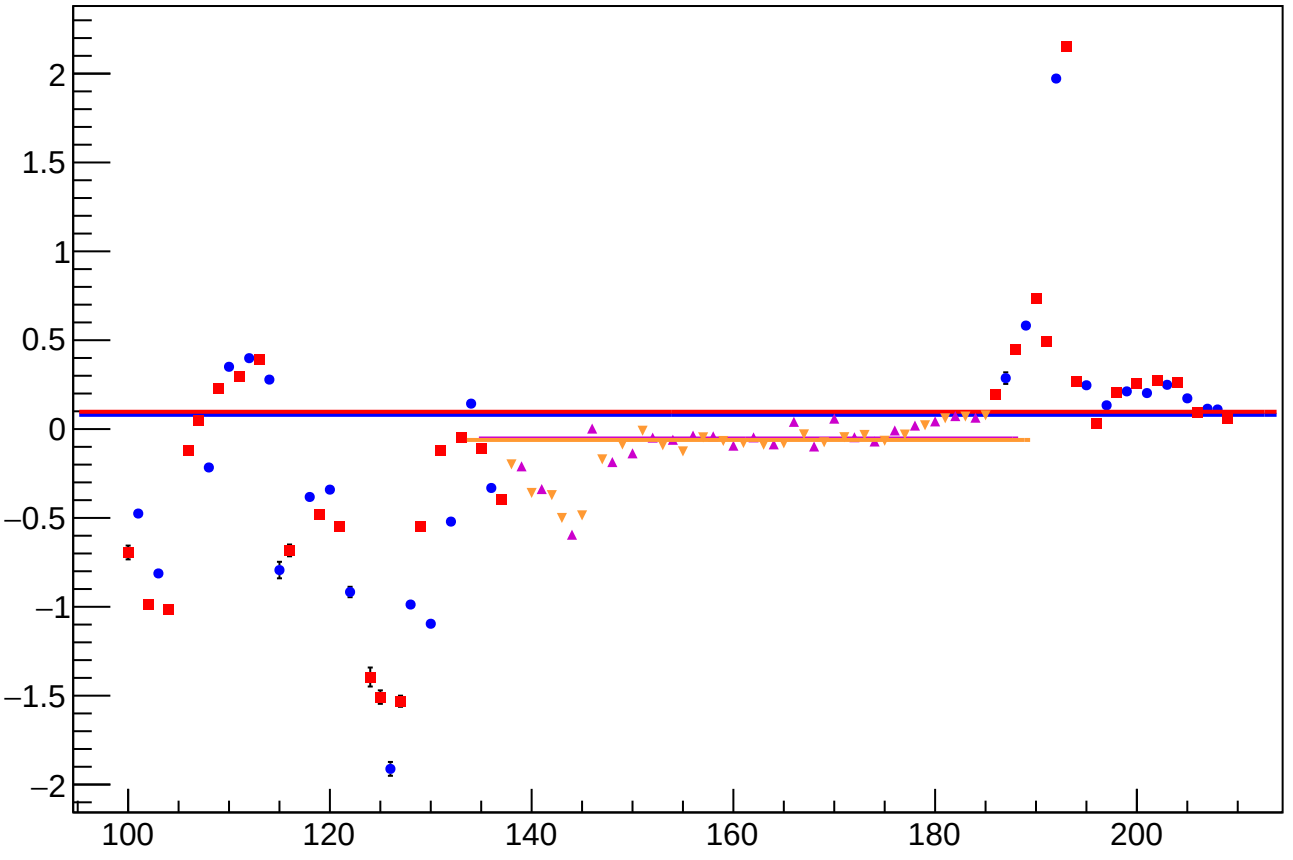
Left: -1.105+/-0.025 χ^2/NDF: 14047.8/47

Right: -0.617+/-0.037 χ^2/NDF: 13227.4/58

In: -0.920+/-0.029 χ^2/NDF:14548.4/49

Out: -0.982+/-0.029 χ^2/NDF:12844.7/56

All: -0.951+/-0.021 χ^2/NDF: 27395.4/106



Right In: 0.080+/-0.002 χ^2/NDF: 34278.0/26

Left Out: -0.061+/-0.002 χ^2/NDF:5729.4/24

Right Out: 0.097+/-0.002 χ^2/NDF: 34961.9/31

Left In: -0.053+/-0.001 χ^2/NDF:5006.2/22

Left: -0.057+/-0.001 χ^2/NDF: 10749.6/47

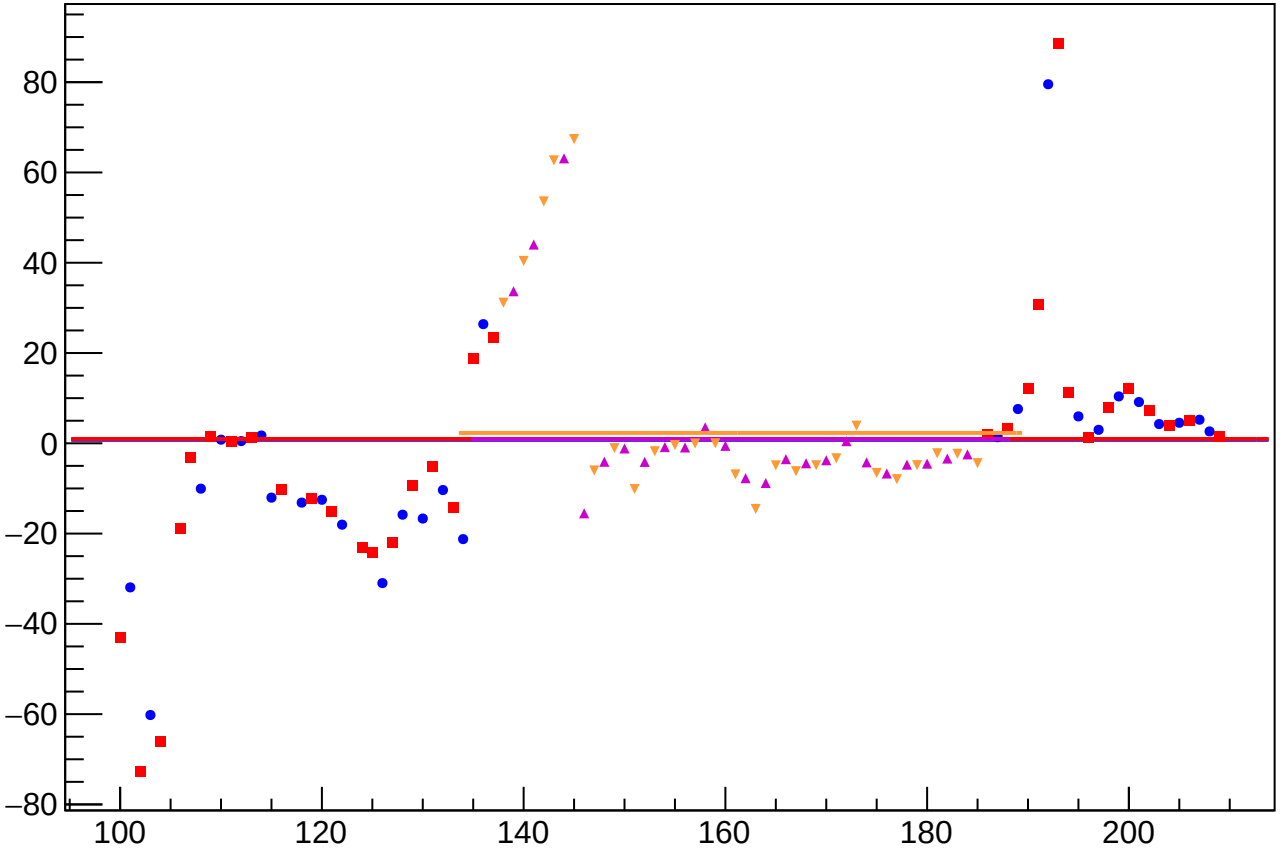
Right: 0.089+/-0.002 χ^2/NDF: 69267.1/58

In: -0.015+/-0.001 χ^2/NDF:41543.8/49

Out: -0.010+/-0.001 χ^2/NDF:43926.2/56

All: -0.013+/-0.001 χ^2/NDF: 85478.0/106

reg_asym_bcm_an_us_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.783+/-0.039 χ^2/NDF: 120113.2/26

Left Out: 2.296+/-0.040 χ^2/NDF:177186.2/24

Right Out: 0.952+/-0.034 χ^2/NDF: 121237.5/31

Left In: 0.912+/-0.040 χ^2/NDF:132573.8/22

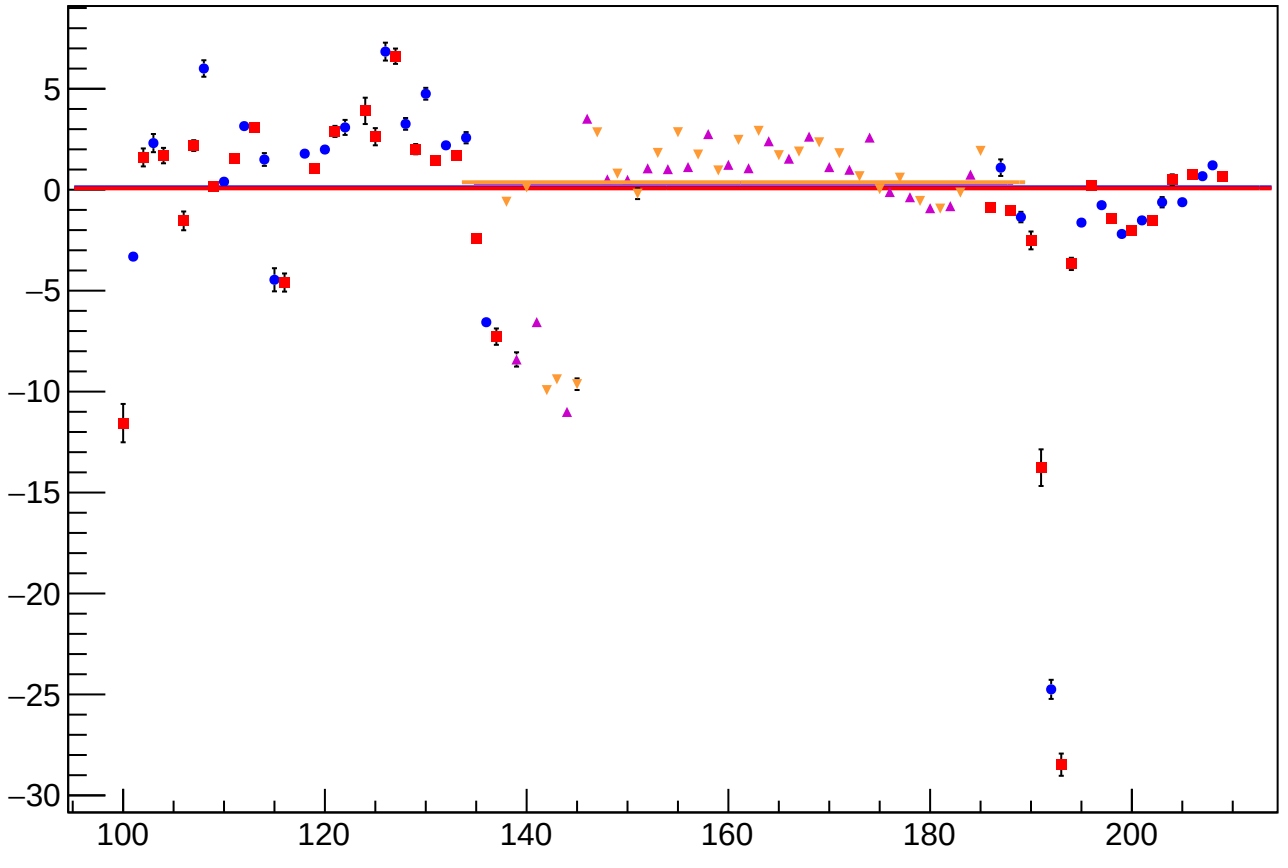
Left: 1.598+/-0.028 χ^2/NDF: 310354.3/47

Right: 0.879+/-0.026 χ^2/NDF: 241361.2/58

In: 0.847+/-0.028 χ^2/NDF:252692.3/49

Out: 1.517+/-0.026 χ^2/NDF:299068.3/56

All: 1.205+/-0.019 χ^2/NDF: 552066.8/106



Right In: 0.116+/-0.047 χ^2/NDF: 5973.5/26

Left Out: 0.368+/-0.033 χ^2/NDF:7068.0/24

Right Out: 0.069+/-0.044 χ^2/NDF: 5255.1/31

Left In: 0.337+/-0.031 χ^2/NDF:7094.3/22

Left: 0.351+/-0.023 χ^2/NDF: 14162.7/47

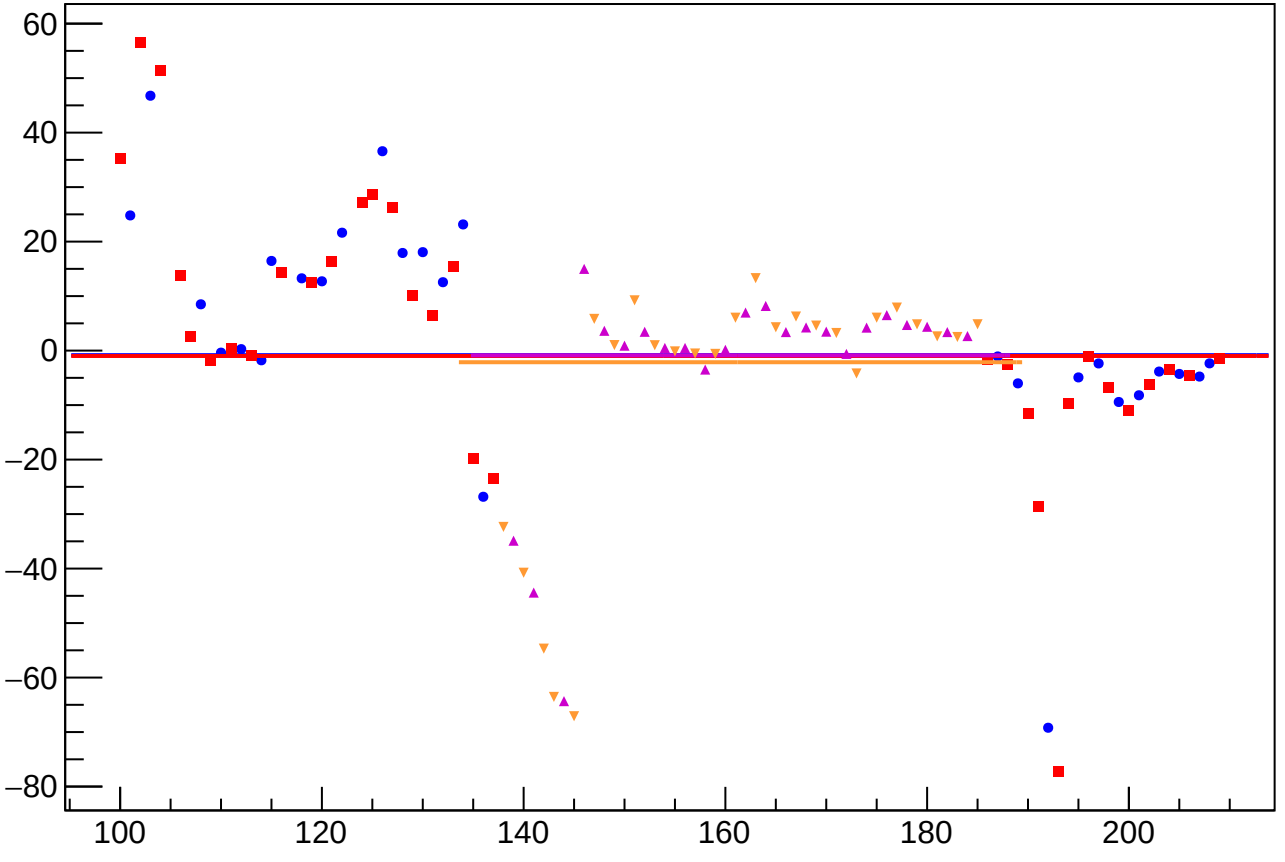
Right: 0.091+/-0.032 χ^2/NDF: 11229.2/58

In: 0.268+/-0.026 χ^2/NDF:13083.2/49

Out: 0.260+/-0.026 χ^2/NDF:12352.8/56

All: 0.264+/-0.019 χ^2/NDF: 25436.1/106

reg_asym_bcm_an_us_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -0.838+/-0.041 χ^2/NDF: 118879.0/26

Left Out: -2.133+/-0.040 χ^2/NDF:171466.8/24

Right Out: -0.987+/-0.036 χ^2/NDF: 119525.4/31

Left In: -0.871+/-0.039 χ^2/NDF:129263.4/22

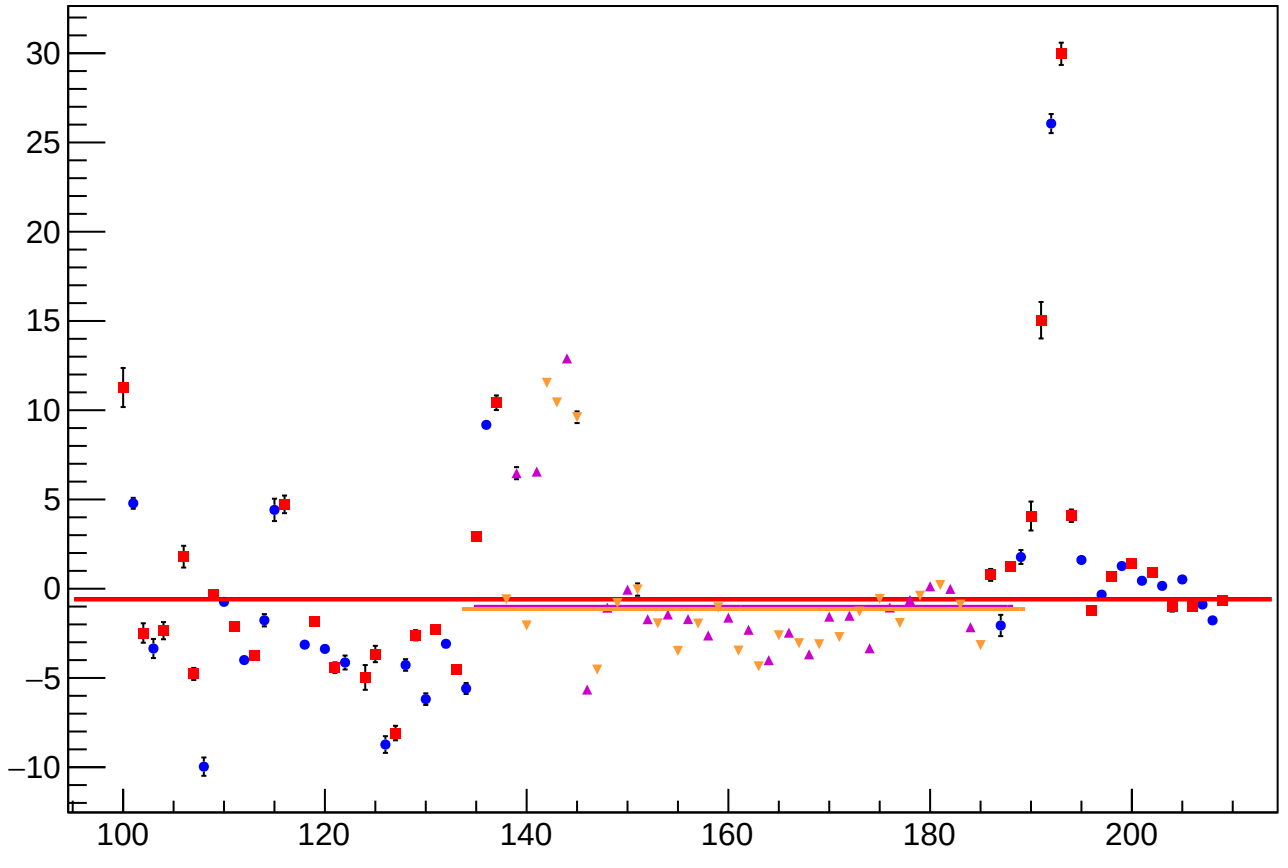
Left: -1.488+/-0.028 χ^2/NDF: 301231.6/47

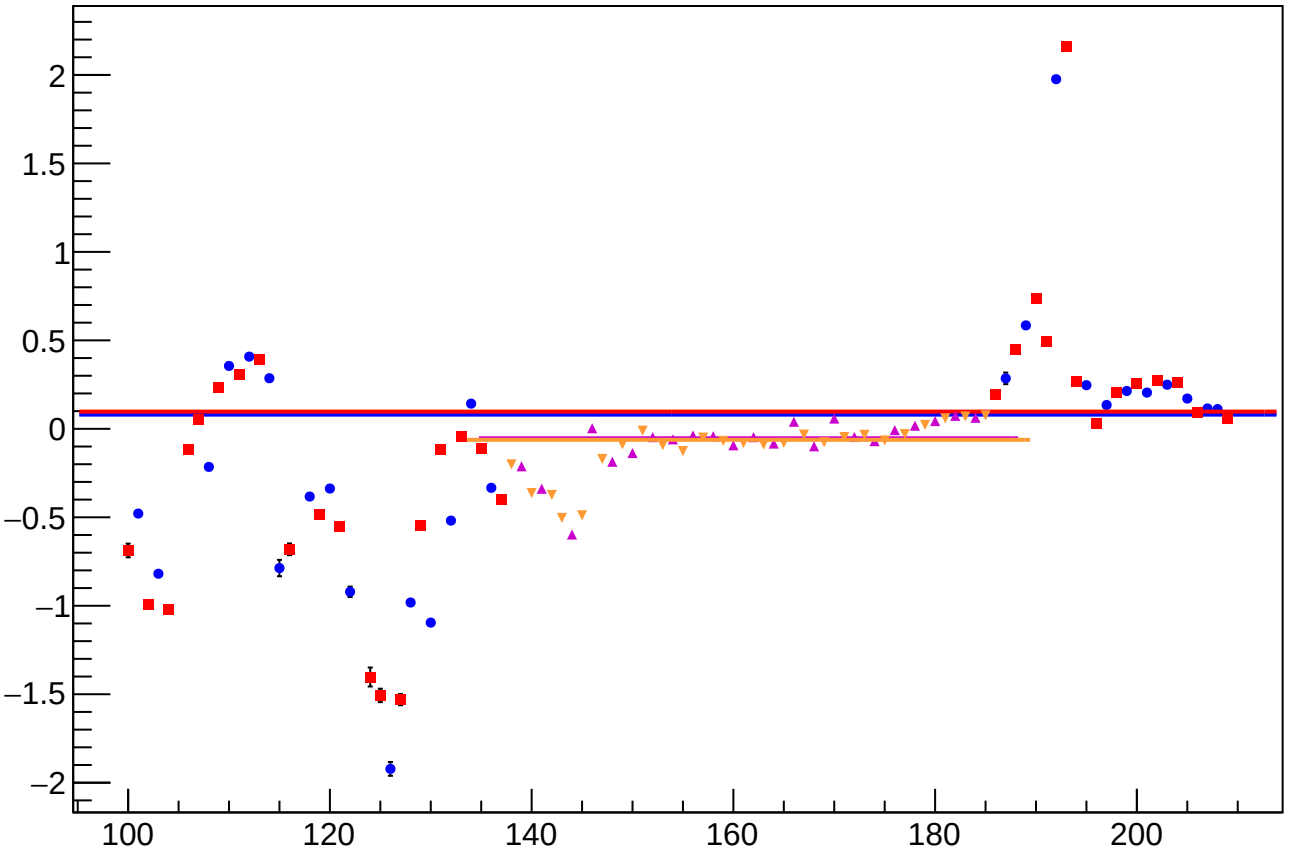
Right: -0.921+/-0.027 χ^2/NDF: 238411.9/58

In: -0.855+/-0.028 χ^2/NDF:248142.8/49

Out: -1.498+/-0.027 χ^2/NDF:291440.9/56

All: -1.192+/-0.019 χ^2/NDF: 539855.2/106


reg_asym_bcm_an_us_diff_bpm4eY_slope vs Slug, Sign Corrected
30
25
20
15
10
5
0
−5
−10
100
120
140
160
180
200
Right In: -0.582+/-0.054 χ²/NDF: 7455.3/26
Left Out: -1.140+/-0.036 χ²/NDF:7022.9/24
Right Out: -0.602+/-0.051 χ²/NDF: 5770.9/31
Left In: -1.013+/-0.035 χ²/NDF:7027.2/22
Left: -1.074+/-0.025 χ²/NDF: 14056.4/47
Right: -0.593+/-0.037 χ²/NDF: 13226.2/58
In: -0.886+/-0.029 χ²/NDF:14527.6/49
Out: -0.958+/-0.030 χ²/NDF:12868.0/56
All: -0.922+/-0.021 χ²/NDF: 27398.6/106



Right In: 0.080+/-0.002 χ^2/NDF: 34269.8/26

Left Out: -0.062+/-0.002 χ^2/NDF:5736.1/24

Right Out: 0.097+/-0.002 χ^2/NDF: 34925.5/31

Left In: -0.053+/-0.001 χ^2/NDF:4993.7/22

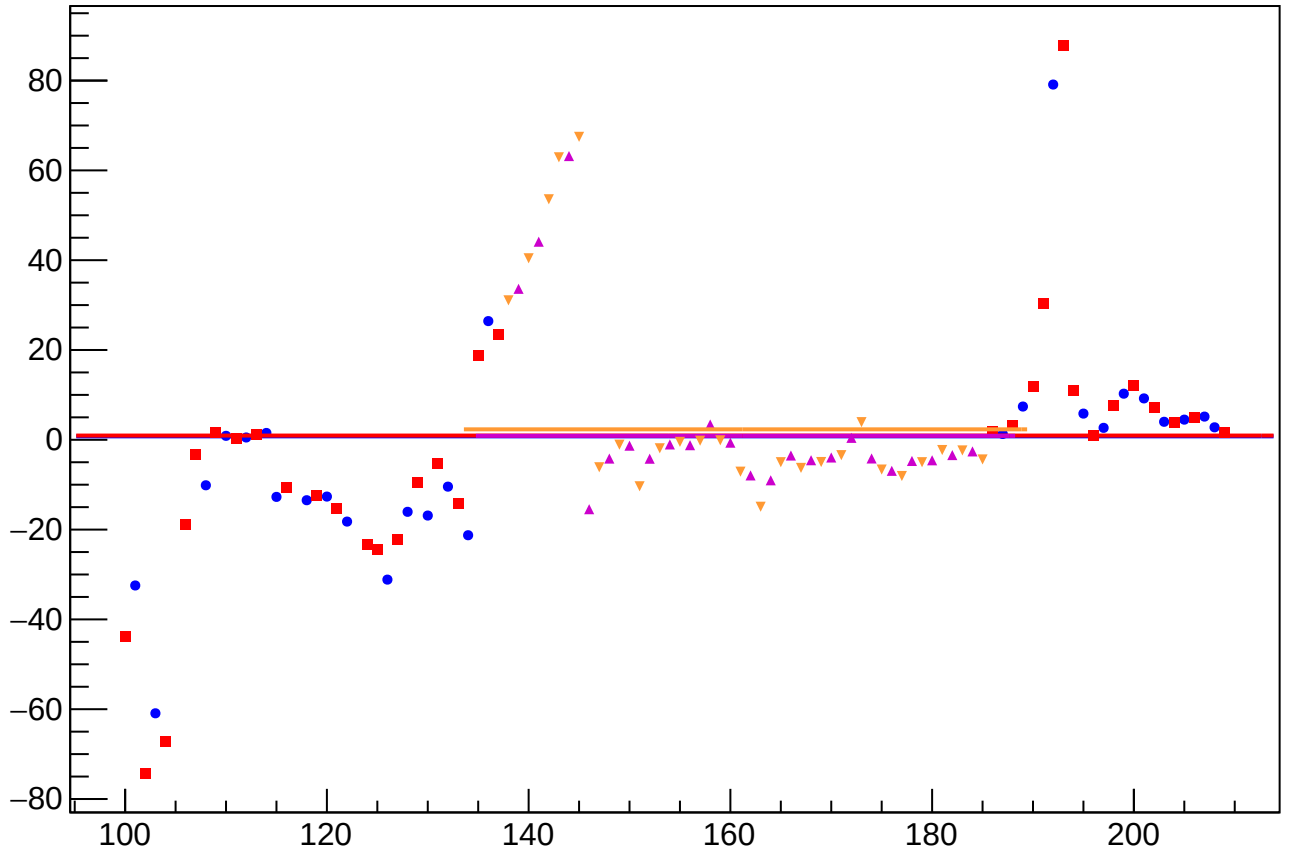
Left: -0.057+/-0.001 χ^2/NDF: 10746.2/47

Right: 0.089+/-0.002 χ^2/NDF: 69221.7/58

In: -0.016+/-0.001 χ^2/NDF:41509.7/49

Out: -0.011+/-0.001 χ^2/NDF:43899.2/56

All: -0.013+/-0.001 χ^2/NDF: 85415.5/106



Right In: 0.766+/-0.040 χ^2/NDF: 118257.3/26

Left Out: 2.329+/-0.041 χ^2/NDF:174647.6/24

Right Out: 0.944+/-0.035 χ^2/NDF: 119610.3/31

Left In: 0.887+/-0.041 χ^2/NDF:130417.3/22

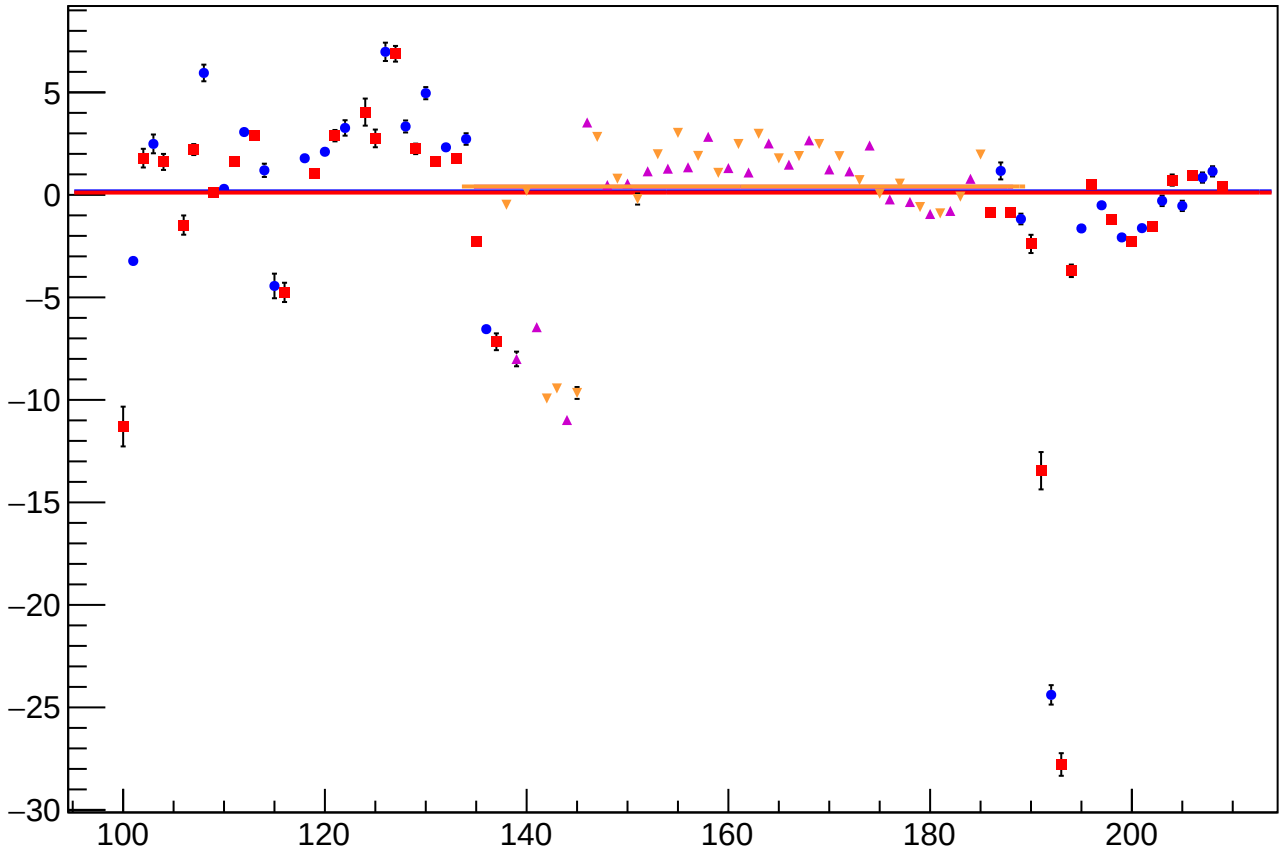
Left: 1.602+/-0.029 χ^2/NDF: 305685.7/47

Right: 0.867+/-0.026 χ^2/NDF: 237878.9/58

In: 0.825+/-0.028 χ^2/NDF:248679.0/49

Out: 1.523+/-0.027 χ^2/NDF:294918.9/56

All: 1.198+/-0.019 χ^2/NDF: 543919.5/106



Right In: 0.171+/-0.047 χ^2/NDF: 5810.9/26

Left Out: 0.410+/-0.033 χ^2/NDF:7047.9/24

Right Out: 0.112+/-0.044 χ^2/NDF: 5059.4/31

Left In: 0.396+/-0.032 χ^2/NDF:6932.0/22

Left: 0.403+/-0.023 χ^2/NDF: 13980.0/47

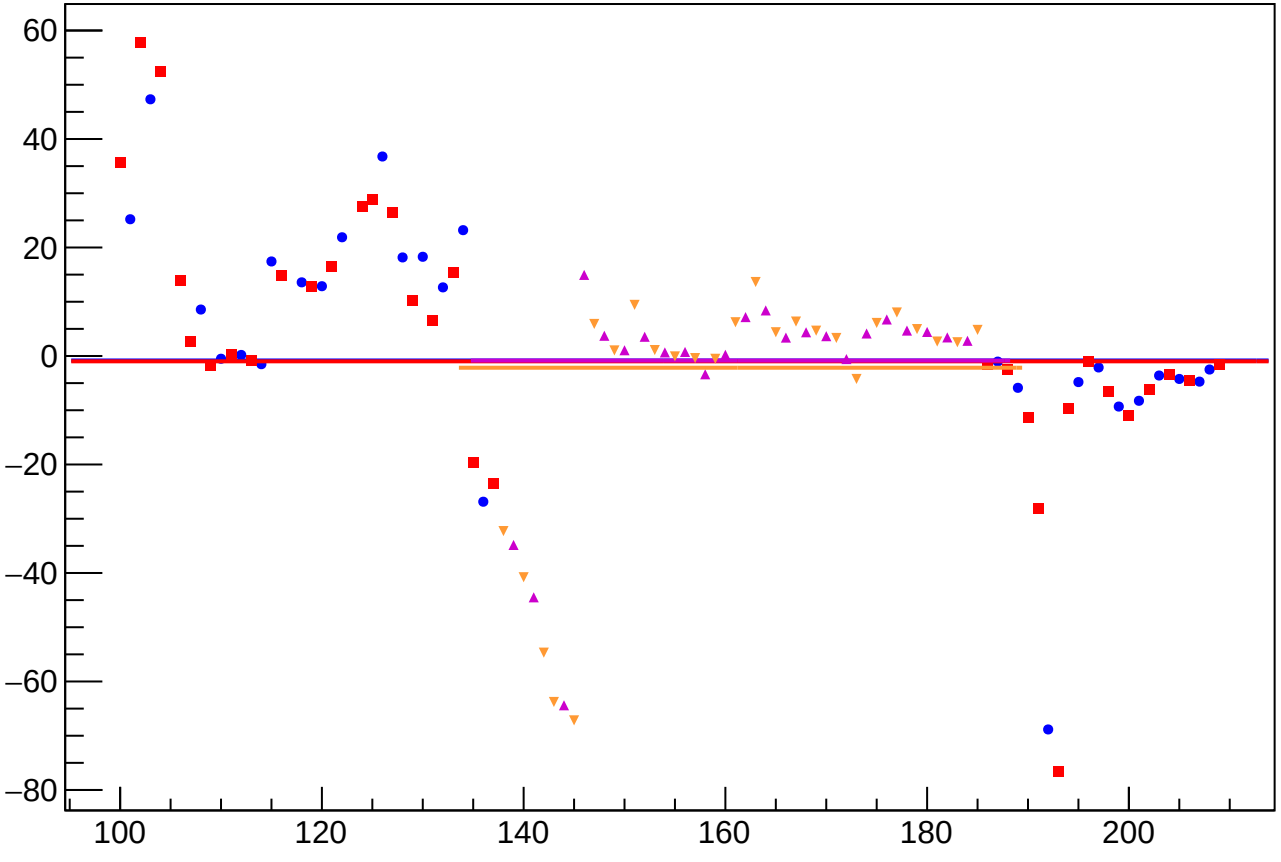
Right: 0.140+/-0.032 χ^2/NDF: 10871.1/58

In: 0.325+/-0.027 χ^2/NDF:12758.4/49

Out: 0.302+/-0.027 χ^2/NDF:12135.9/56

All: 0.314+/-0.019 χ^2/NDF: 24894.6/106

reg_asym_bcm_dg_ds_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -0.826+/-0.041 χ^2/NDF: 117063.2/26

Left Out: -2.163+/-0.041 χ^2/NDF:168990.2/24

Right Out: -0.983+/-0.037 χ^2/NDF: 117905.9/31

Left In: -0.843+/-0.040 χ^2/NDF:127135.3/22

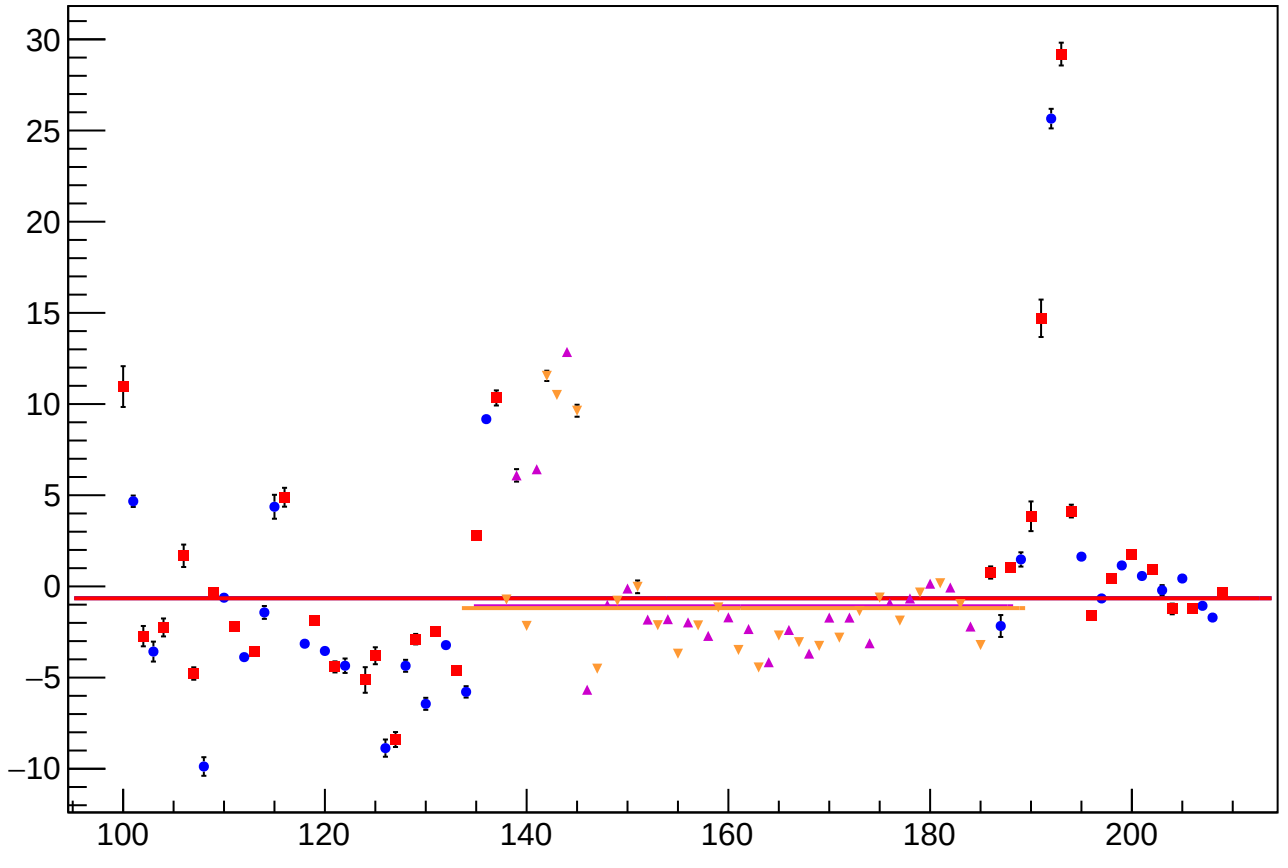
Left: -1.489+/-0.029 χ^2/NDF: 296654.1/47

Right: -0.913+/-0.027 χ^2/NDF: 234977.2/58

In: -0.834+/-0.029 χ^2/NDF:244198.6/49

Out: -1.504+/-0.027 χ^2/NDF:287357.7/56

All: -1.186+/-0.020 χ^2/NDF: 531842.6/106



Right In: -0.647+/-0.055 χ^2/NDF: 7289.9/26

Left Out: -1.190+/-0.037 χ^2/NDF:6995.9/24

Right Out: -0.653+/-0.052 χ^2/NDF: 5586.2/31

Left In: -1.089+/-0.036 χ^2/NDF:6840.8/22

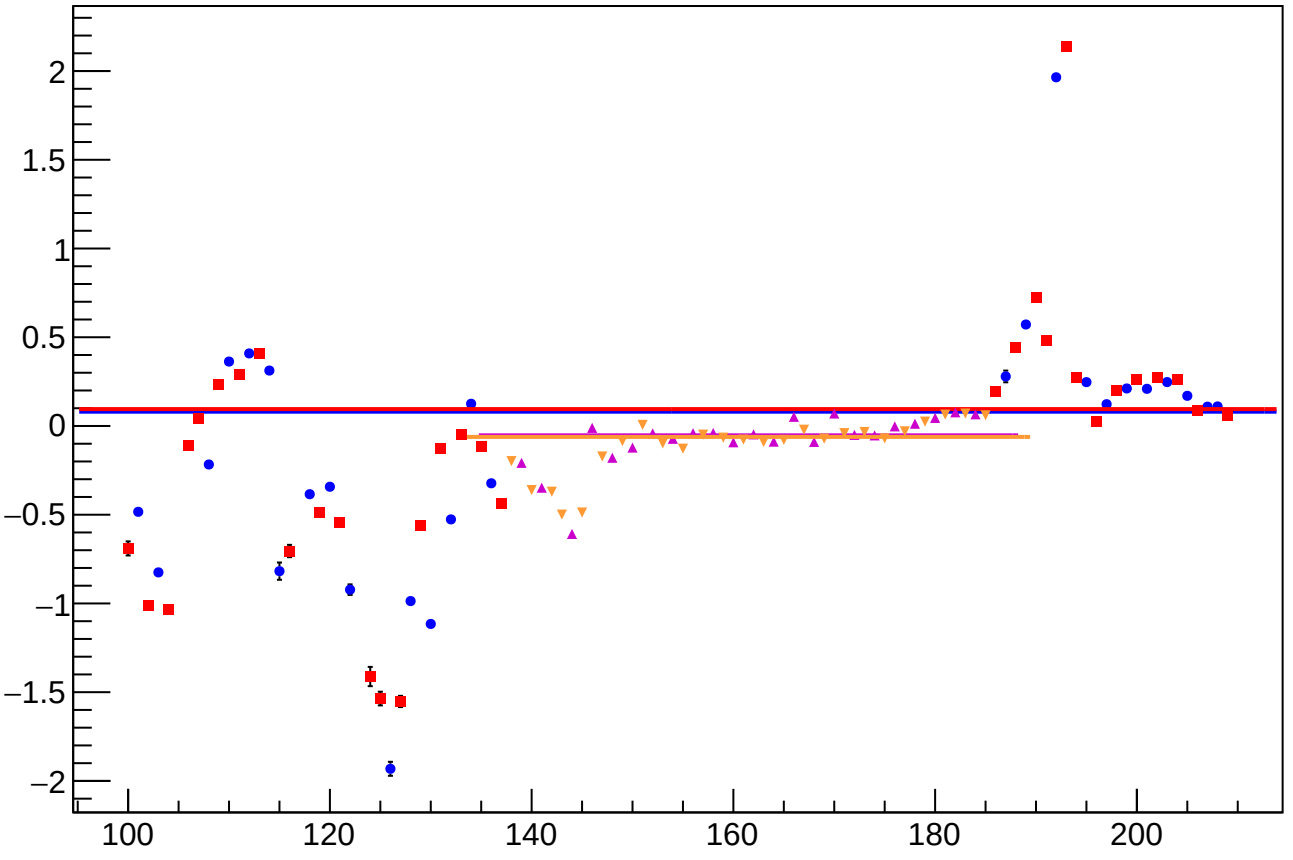
Left: -1.138+/-0.026 χ^2/NDF: 13840.6/47

Right: -0.650+/-0.037 χ^2/NDF: 12876.2/58

In: -0.957+/-0.030 χ^2/NDF:14176.7/49

Out: -1.007+/-0.030 χ^2/NDF:12654.0/56

All: -0.982+/-0.021 χ^2/NDF: 26832.1/106



Right In: 0.080+/-0.002 χ^2/NDF: 33541.3/26

Left Out: -0.062+/-0.002 χ^2/NDF:5563.5/24

Right Out: 0.095+/-0.002 χ^2/NDF: 34487.3/31

Left In: -0.053+/-0.002 χ^2/NDF:5036.0/22

Left: -0.057+/-0.001 χ^2/NDF: 10615.2/47

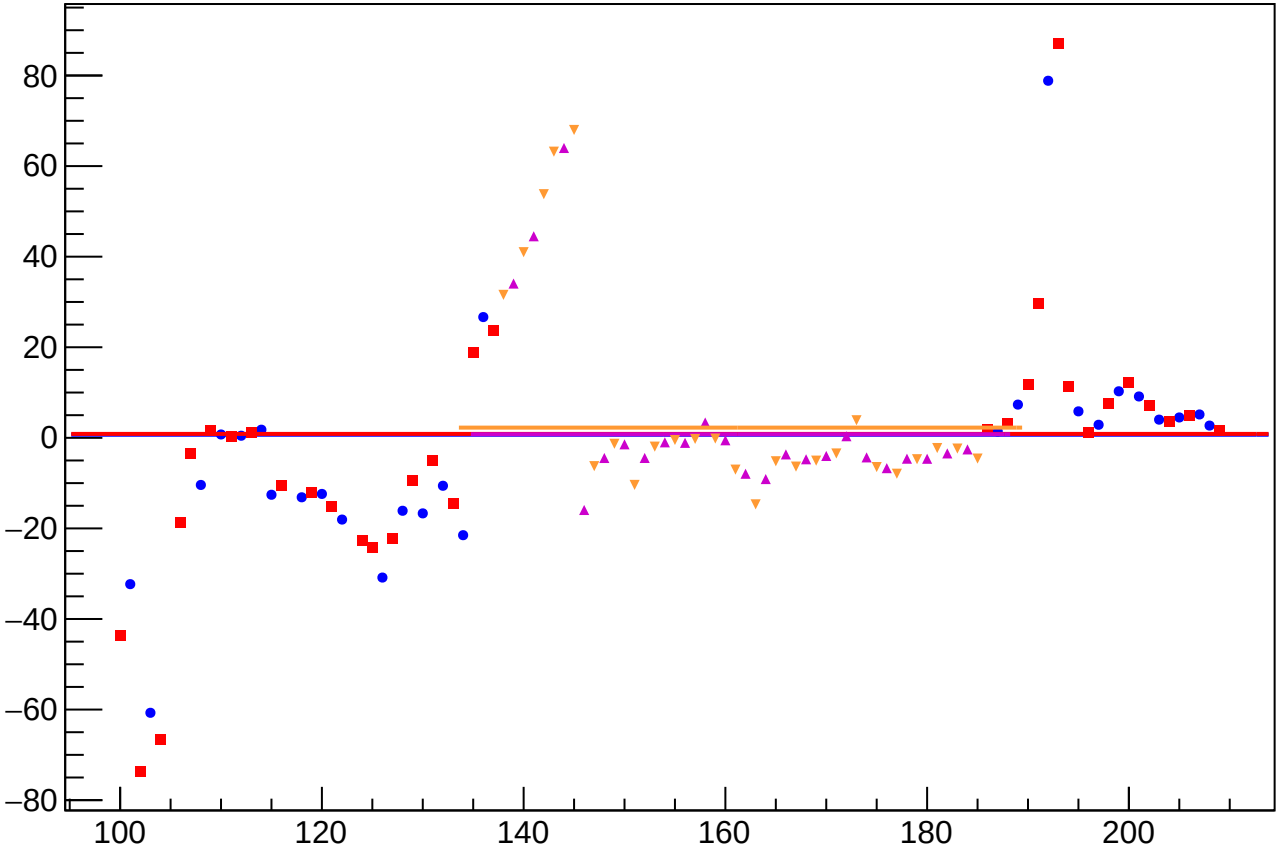
Right: 0.088+/-0.002 χ^2/NDF: 68047.8/58

In: -0.015+/-0.001 χ^2/NDF:40753.7/49

Out: -0.011+/-0.001 χ^2/NDF:43098.7/56

All: -0.013+/-0.001 χ^2/NDF: 83856.8/106

reg_asym_bcm_dg_us_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.682+/-0.040 χ^2/NDF: 116550.1/26

Left Out: 2.255+/-0.041 χ^2/NDF:171671.4/24

Right Out: 0.866+/-0.036 χ^2/NDF: 117402.2/31

Left In: 0.794+/-0.041 χ^2/NDF:128828.3/22

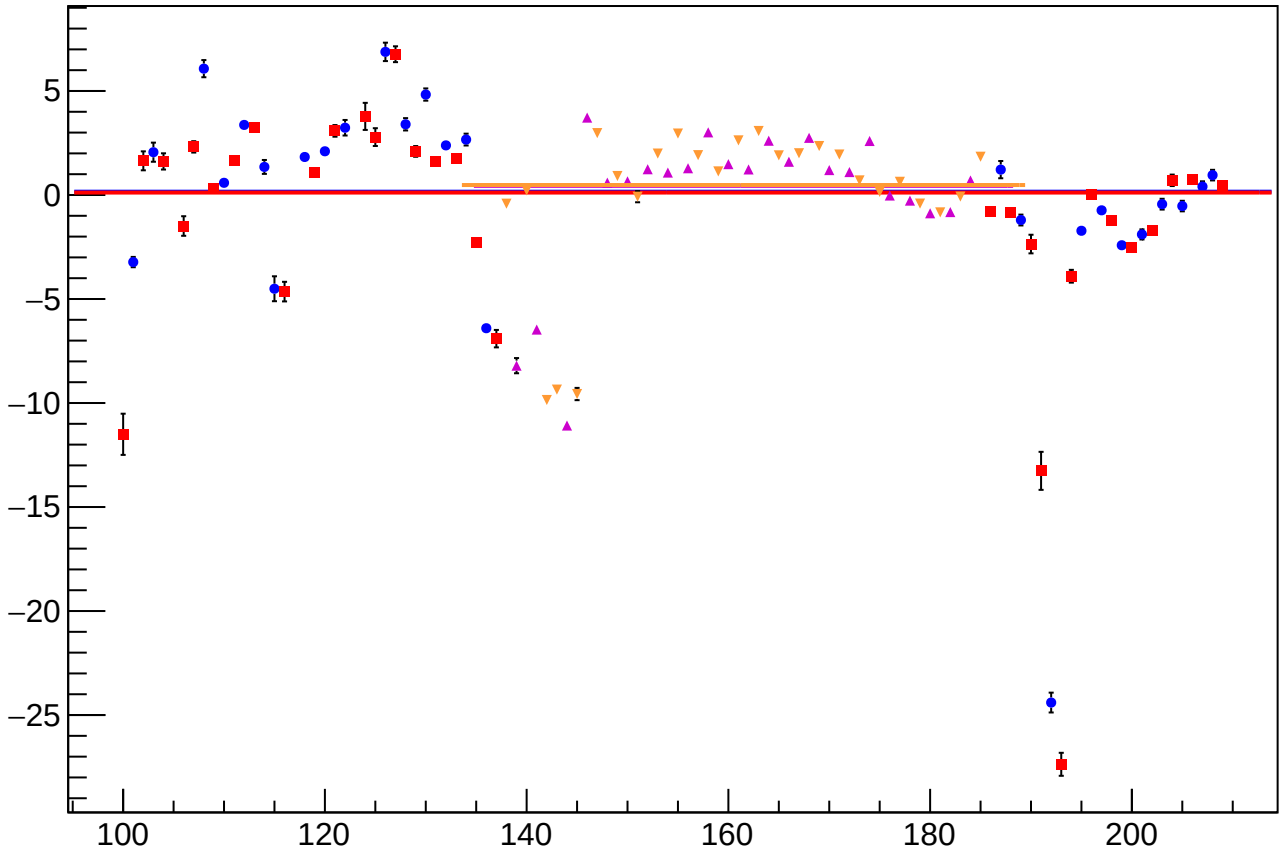
Left: 1.518+/-0.029 χ^2/NDF: 301124.7/47

Right: 0.786+/-0.027 χ^2/NDF: 233963.9/58

In: 0.737+/-0.029 χ^2/NDF:245382.1/49

Out: 1.454+/-0.027 χ^2/NDF:289719.5/56

All: 1.119+/-0.020 χ^2/NDF: 535431.0/106



Right In: 0.159+/-0.048 χ^2/NDF: 5789.4/26

Left Out: 0.479+/-0.034 χ^2/NDF:6808.1/24

Right Out: 0.117+/-0.045 χ^2/NDF: 4975.0/31

Left In: 0.440+/-0.032 χ^2/NDF:6893.7/22

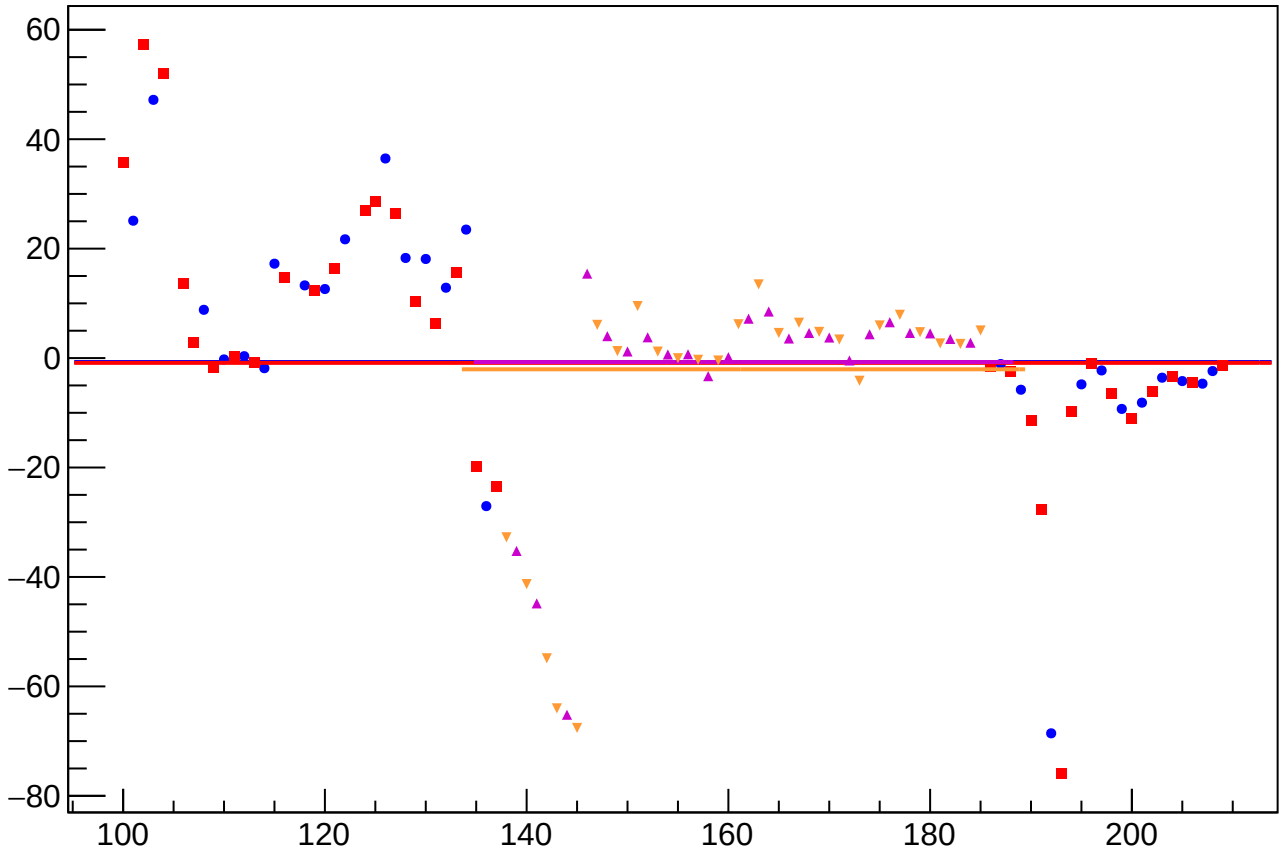
Left: 0.458+/-0.023 χ^2/NDF: 13702.5/47

Right: 0.137+/-0.033 χ^2/NDF: 10764.8/58

In: 0.351+/-0.027 χ^2/NDF:12706.9/49

Out: 0.348+/-0.027 χ^2/NDF:11824.5/56

All: 0.350+/-0.019 χ^2/NDF: 24531.4/106



Right In: -0.717+/-0.041 χ^2/NDF: 115332.8/26

Left Out: -2.051+/-0.041 χ^2/NDF:166009.6/24

Right Out: -0.871+/-0.037 χ^2/NDF: 115730.8/31

Left In: -0.720+/-0.041 χ^2/NDF:125531.3/22

Left: -1.371+/-0.029 χ^2/NDF: 292067.4/47

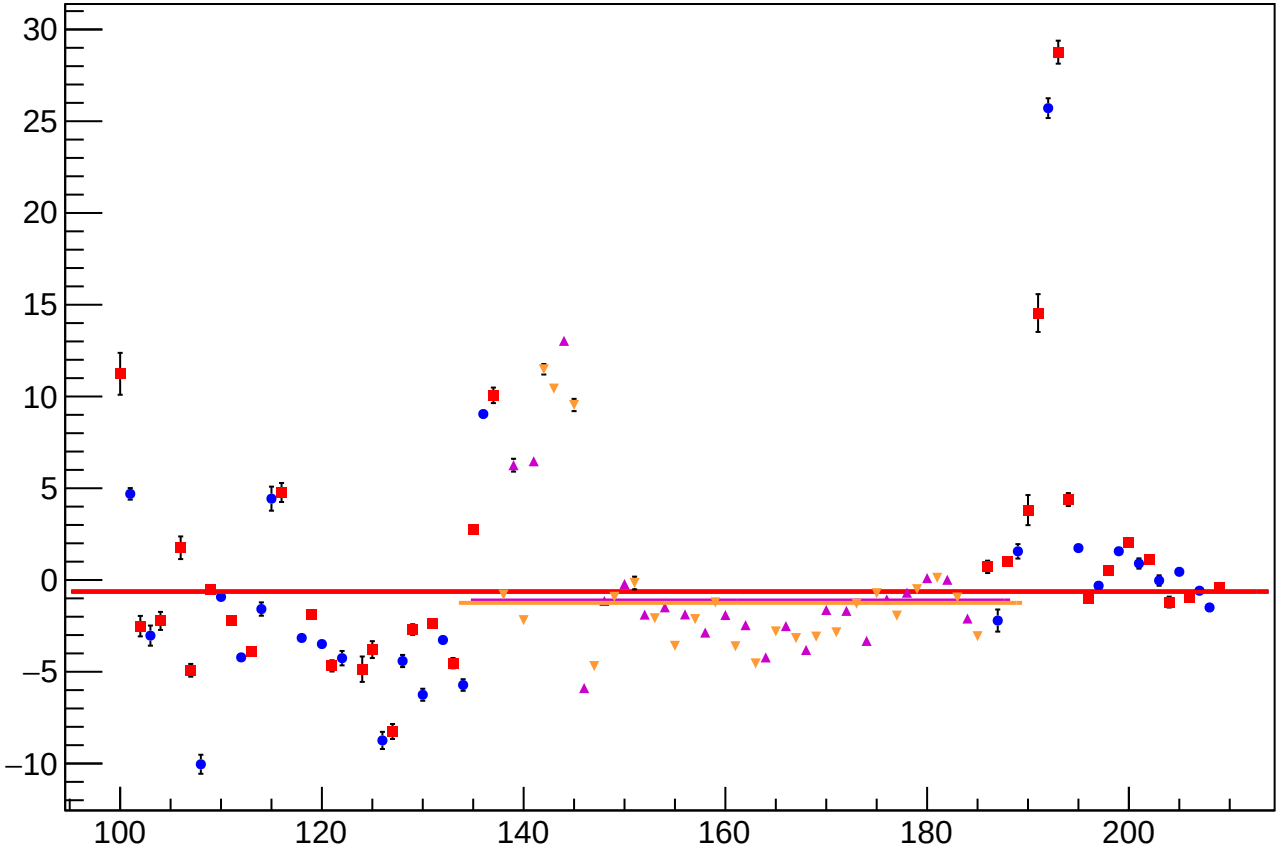
Right: -0.803+/-0.028 χ^2/NDF: 231071.3/58

In: -0.719+/-0.029 χ^2/NDF:240864.1/49

Out: -1.396+/-0.028 χ^2/NDF:282189.9/56

All: -1.074+/-0.020 χ^2/NDF: 523339.8/106

reg_asym_bcm_dg_us_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -0.618+/-0.055 χ^2/NDF: 7179.7/26

Left Out: -1.244+/-0.037 χ^2/NDF:6768.7/24

Right Out: -0.648+/-0.052 χ^2/NDF: 5456.7/31

Left In: -1.117+/-0.036 χ^2/NDF:6840.3/22

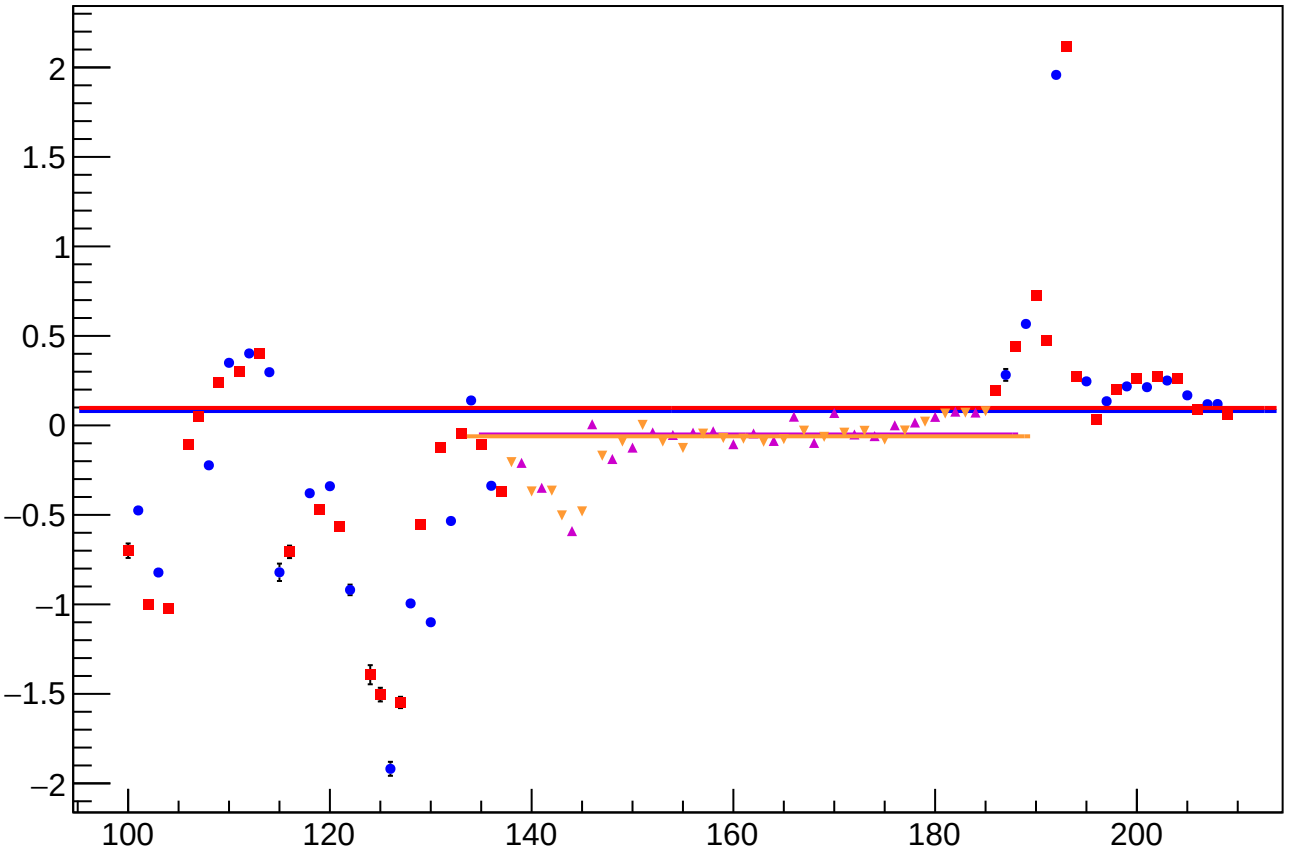
Left: -1.178+/-0.026 χ^2/NDF: 13615.0/47

Right: -0.634+/-0.038 χ^2/NDF: 12636.5/58

In: -0.969+/-0.030 χ^2/NDF:14077.3/49

Out: -1.043+/-0.030 χ^2/NDF:12311.7/56

All: -1.005+/-0.021 χ^2/NDF: 26392.0/106



Right In: 0.080+/-0.002 χ^2/NDF: 33209.8/26

Left Out: -0.061+/-0.002 χ^2/NDF:5479.8/24

Right Out: 0.098+/-0.002 χ^2/NDF: 33560.7/31

Left In: -0.051+/-0.002 χ^2/NDF:4878.7/22

Left: -0.056+/-0.001 χ^2/NDF: 10379.1/47

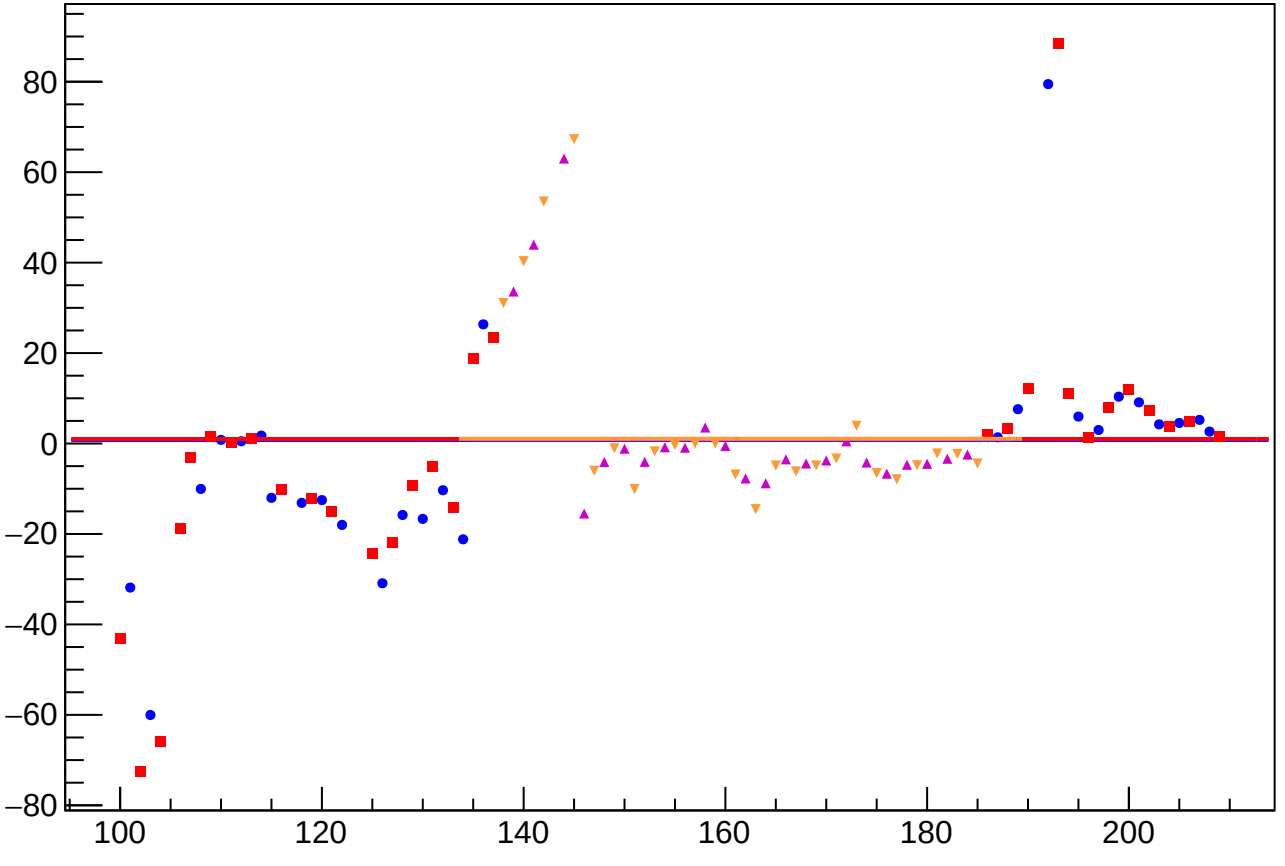
Right: 0.089+/-0.002 χ^2/NDF: 66796.6/58

In: -0.013+/-0.001 χ^2/NDF:40142.5/49

Out: -0.010+/-0.001 χ^2/NDF:42076.3/56

All: -0.012+/-0.001 χ^2/NDF: 82222.2/106

reg_asym_bcm_2an_us_an_ds_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.798+/-0.039 χ^2/NDF: 120320.3/26

Left Out: 1.053+/-0.041 χ^2/NDF:131031.0/23

Right Out: 0.999+/-0.034 χ^2/NDF: 118530.2/29

Left In: 0.913+/-0.040 χ^2/NDF:132807.5/22

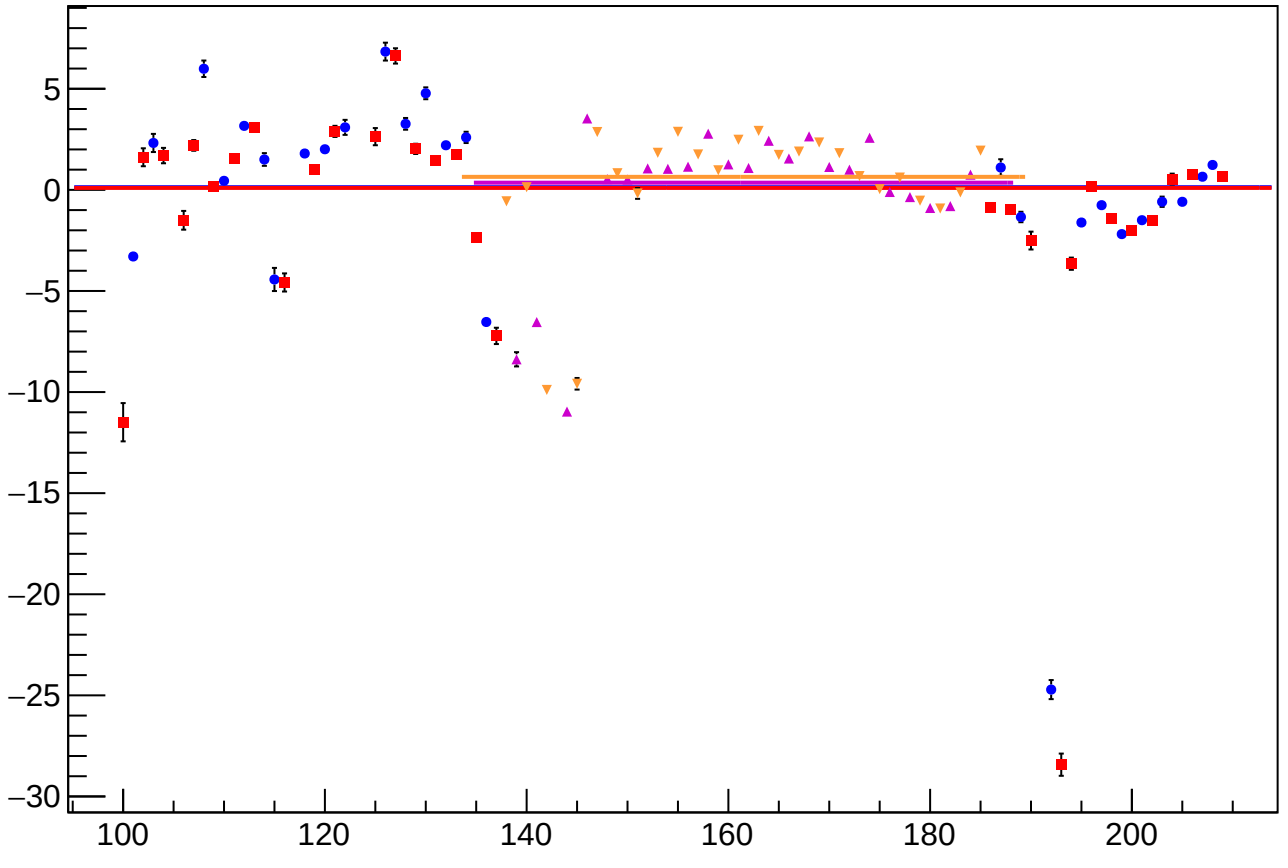
Left: 0.982+/-0.028 χ^2/NDF: 263844.6/46

Right: 0.912+/-0.026 χ^2/NDF: 238865.4/56

In: 0.854+/-0.028 χ^2/NDF:253132.0/49

Out: 1.022+/-0.026 χ^2/NDF:249562.2/53

All: 0.943+/-0.019 χ^2/NDF: 502713.4/103



Right In: 0.132+/-0.046 χ^2/NDF: 5989.5/26

Left Out: 0.644+/-0.033 χ^2/NDF:4711.1/23

Right Out: 0.098+/-0.044 χ^2/NDF: 4998.2/29

Left In: 0.355+/-0.031 χ^2/NDF:7117.0/22

Left: 0.491+/-0.023 χ^2/NDF: 11868.0/46

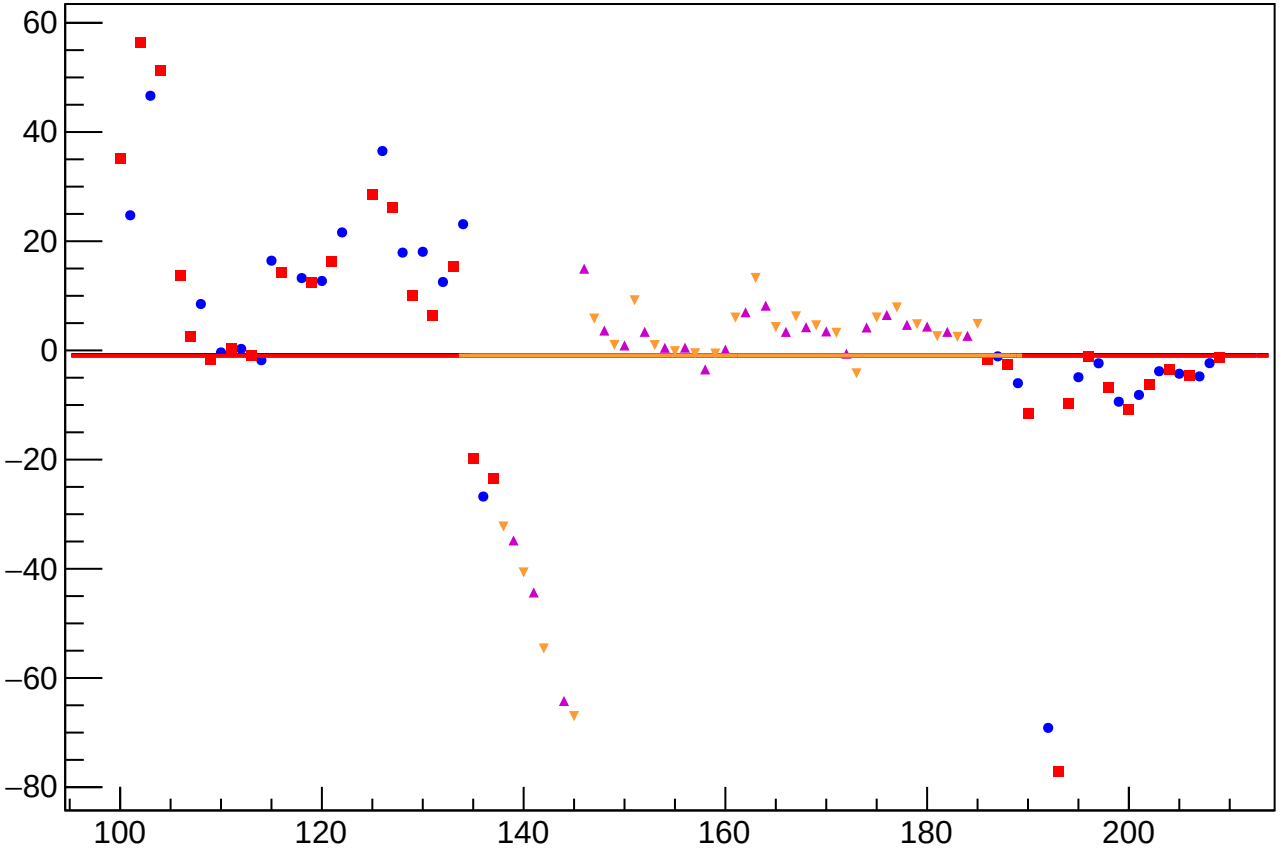
Right: 0.114+/-0.032 χ^2/NDF: 10987.9/56

In: 0.285+/-0.026 χ^2/NDF:13122.5/49

Out: 0.444+/-0.026 χ^2/NDF:9808.0/53

All: 0.363+/-0.019 χ^2/NDF: 22948.9/103

reg_asym_bcm_2an_us_an_ds_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -0.842+/-0.040 χ^2/NDF: 119079.3/26

Left Out: -0.929+/-0.041 χ^2/NDF:126378.7/23

Right Out: -1.005+/-0.036 χ^2/NDF: 116922.6/29

Left In: -0.860+/-0.039 χ^2/NDF:129485.0/22

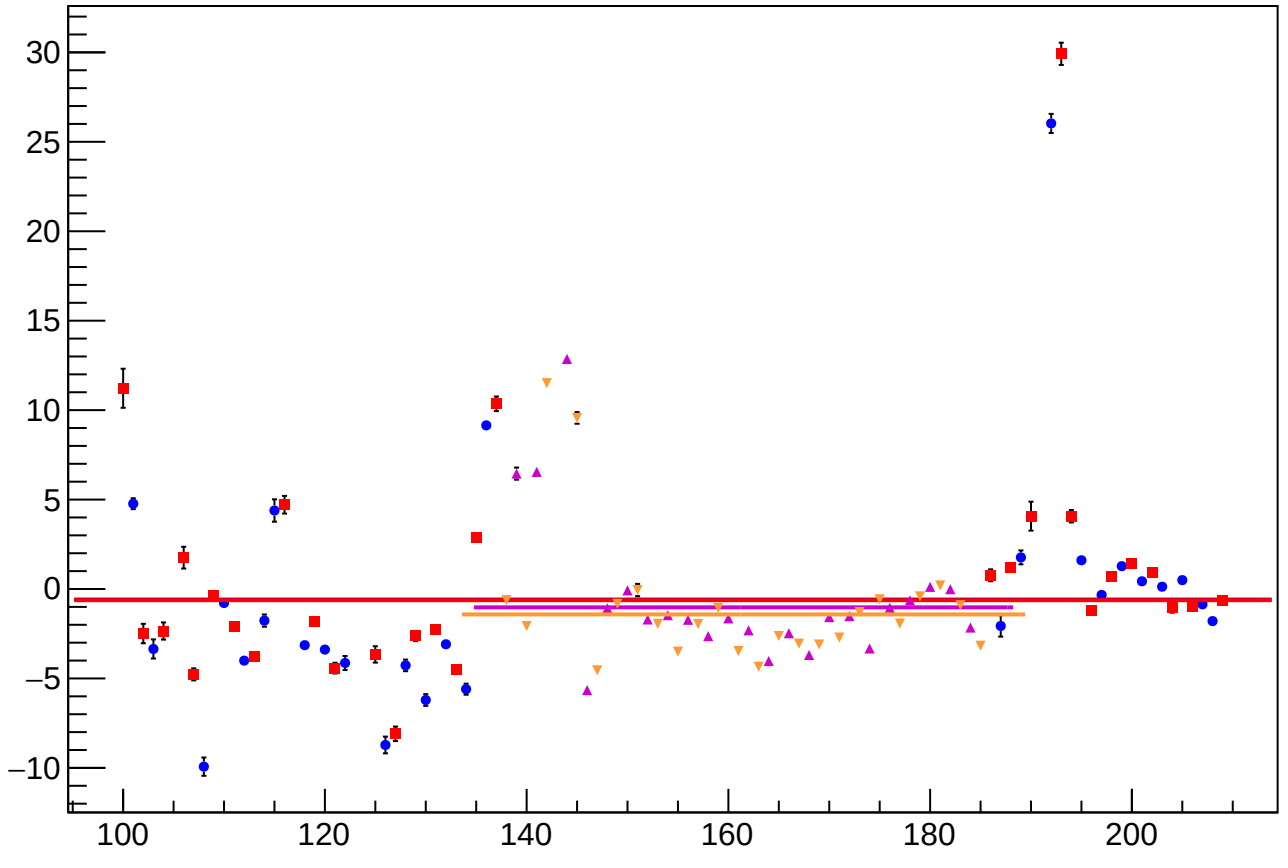
Left: -0.894+/-0.028 χ^2/NDF: 255865.2/46

Right: -0.932+/-0.027 χ^2/NDF: 236010.9/56

In: -0.852+/-0.028 χ^2/NDF:248564.4/49

Out: -0.971+/-0.027 χ^2/NDF:243303.3/53

All: -0.914+/-0.019 χ^2/NDF: 491877.1/103



Right In: -0.592+/-0.054 χ^2/NDF: 7472.7/26

Left Out: -1.420+/-0.037 χ^2/NDF:4642.0/23

Right Out: -0.624+/-0.051 χ^2/NDF: 5505.4/29

Left In: -1.026+/-0.035 χ^2/NDF:7047.1/22

Left: -1.212+/-0.025 χ^2/NDF: 11750.0/46

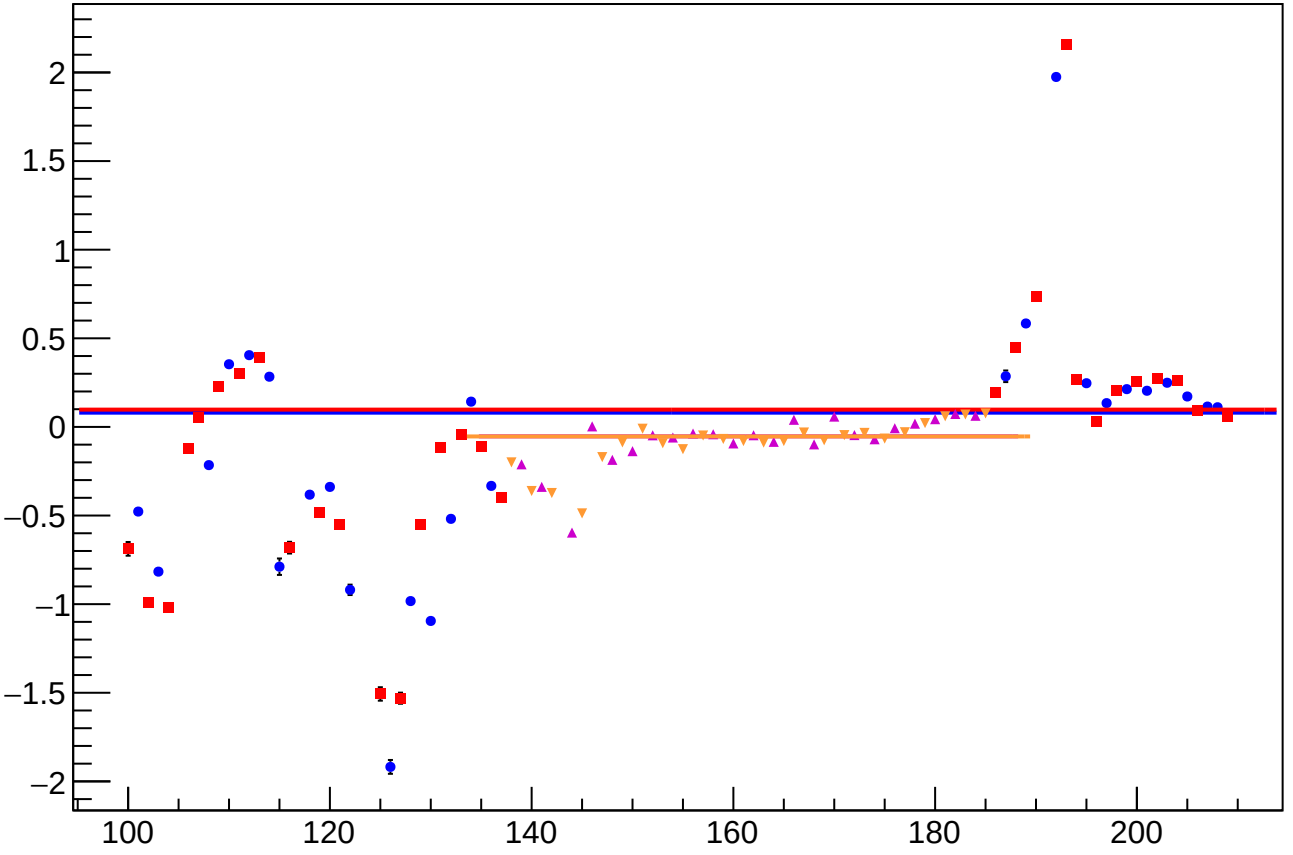
Right: -0.609+/-0.037 χ^2/NDF: 12978.4/56

In: -0.898+/-0.029 χ^2/NDF:14565.8/49

Out: -1.148+/-0.030 χ^2/NDF:10309.0/53

All: -1.021+/-0.021 χ^2/NDF: 24910.7/103

reg_asym_bcm_2an_us_an_ds_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.080+/-0.002 χ^2/NDF: 34331.8/26

Left Out: -0.054+/-0.002 χ^2/NDF:4340.0/23

Right Out: 0.098+/-0.002 χ^2/NDF: 34015.7/29

Left In: -0.053+/-0.001 χ^2/NDF:5009.7/22

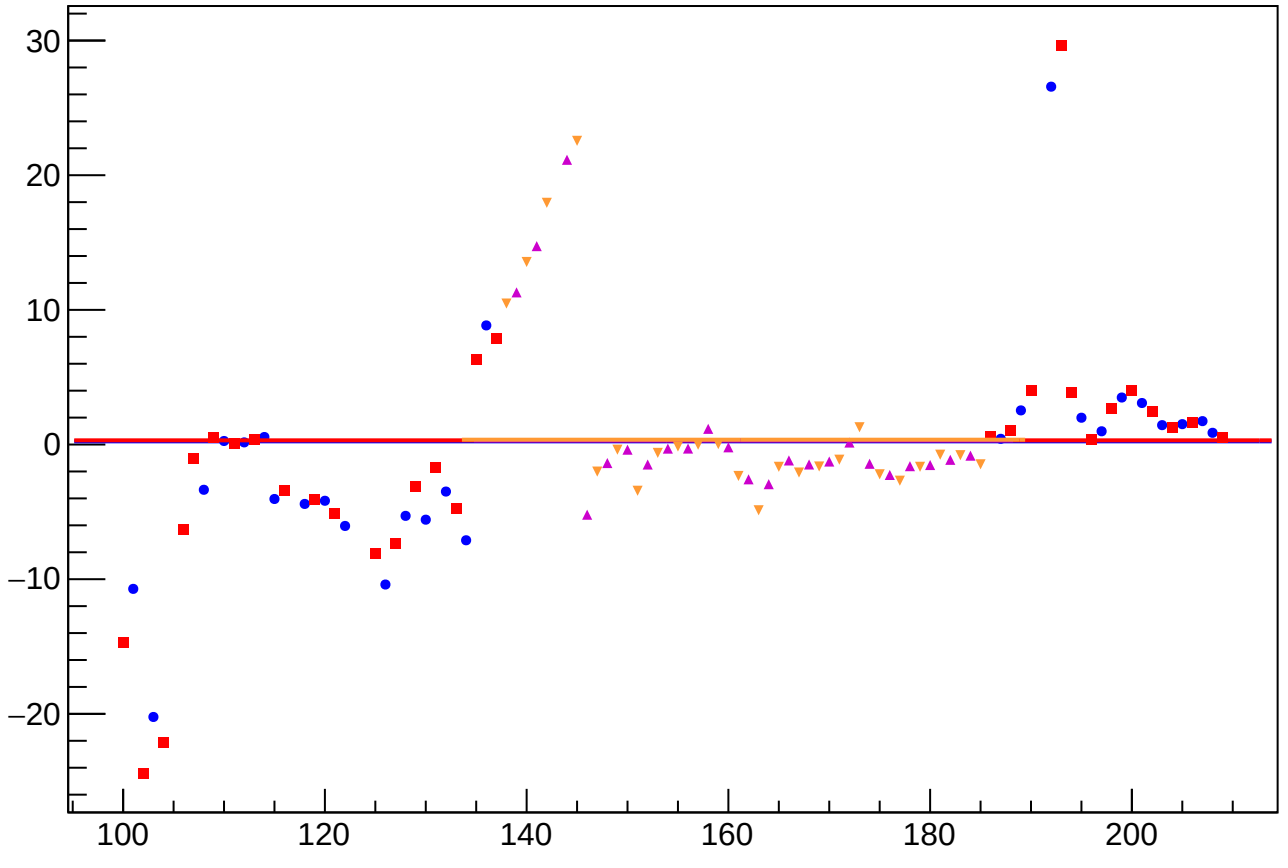
Left: -0.053+/-0.001 χ^2/NDF: 9349.8/46

Right: 0.089+/-0.002 χ^2/NDF: 68374.2/56

In: -0.016+/-0.001 χ^2/NDF:41608.6/49

Out: -0.005+/-0.001 χ^2/NDF:41259.6/53

All: -0.010+/-0.001 χ^2/NDF: 82902.3/103



Right In: 0.237+/-0.013 χ^2/NDF: 118238.7/26

Left Out: 0.359+/-0.014 χ^2/NDF:128829.7/23

Right Out: 0.312+/-0.012 χ^2/NDF: 116695.3/29

Left In: 0.317+/-0.014 χ^2/NDF:130224.2/22

Left: 0.338+/-0.010 χ^2/NDF: 259058.4/46

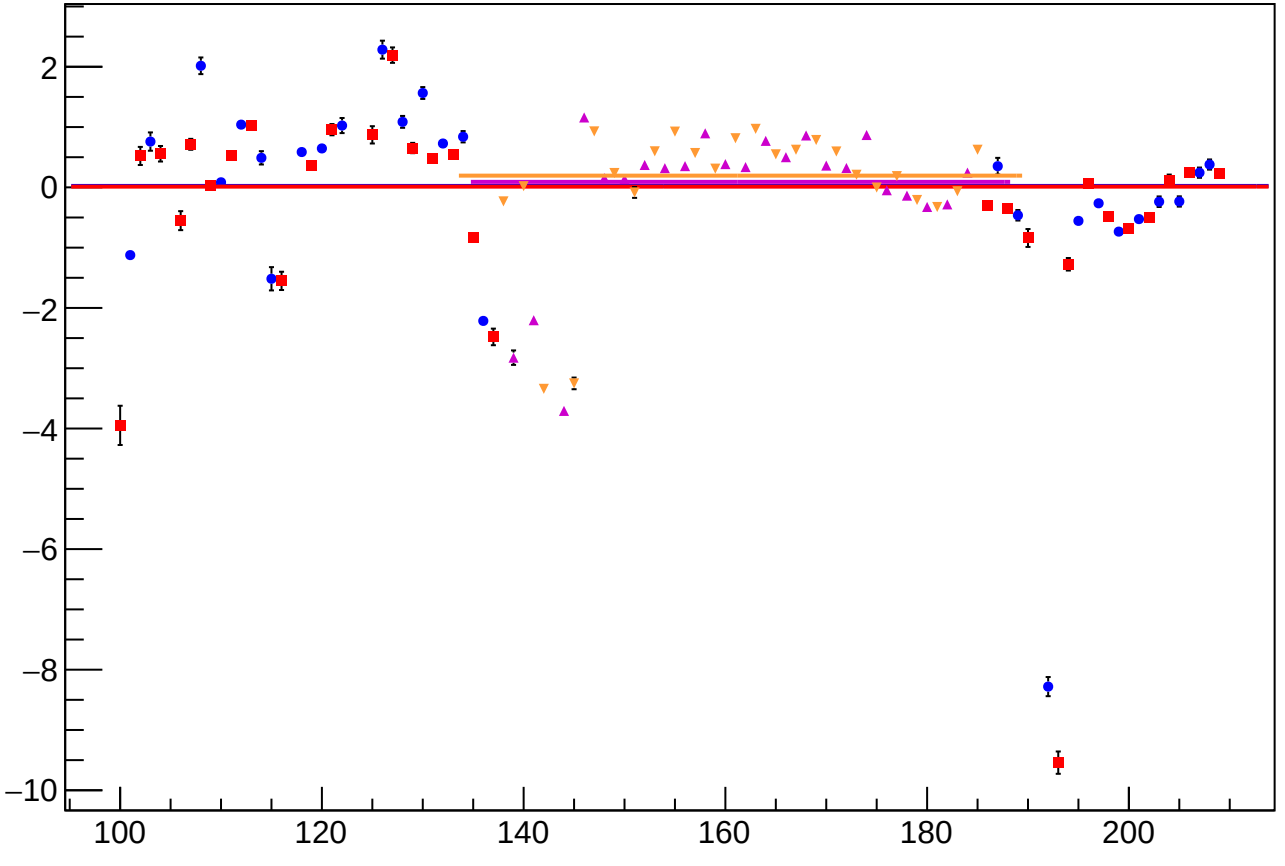
Right: 0.279+/-0.009 χ^2/NDF: 234951.7/56

In: 0.276+/-0.010 χ^2/NDF:248480.6/49

Out: 0.332+/-0.009 χ^2/NDF:245531.6/53

All: 0.306+/-0.007 χ^2/NDF: 494030.0/103

reg_asym_bcm_2an_us_an_ds_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 0.023+/-0.016 χ^2/NDF: 5861.9/26

Left Out: 0.194+/-0.011 χ^2/NDF:4645.0/23

Right Out: 0.012+/-0.015 χ^2/NDF: 4905.0/29

Left In: 0.091+/-0.011 χ^2/NDF:6936.4/22

Left: 0.140+/-0.008 χ^2/NDF: 11625.1/46

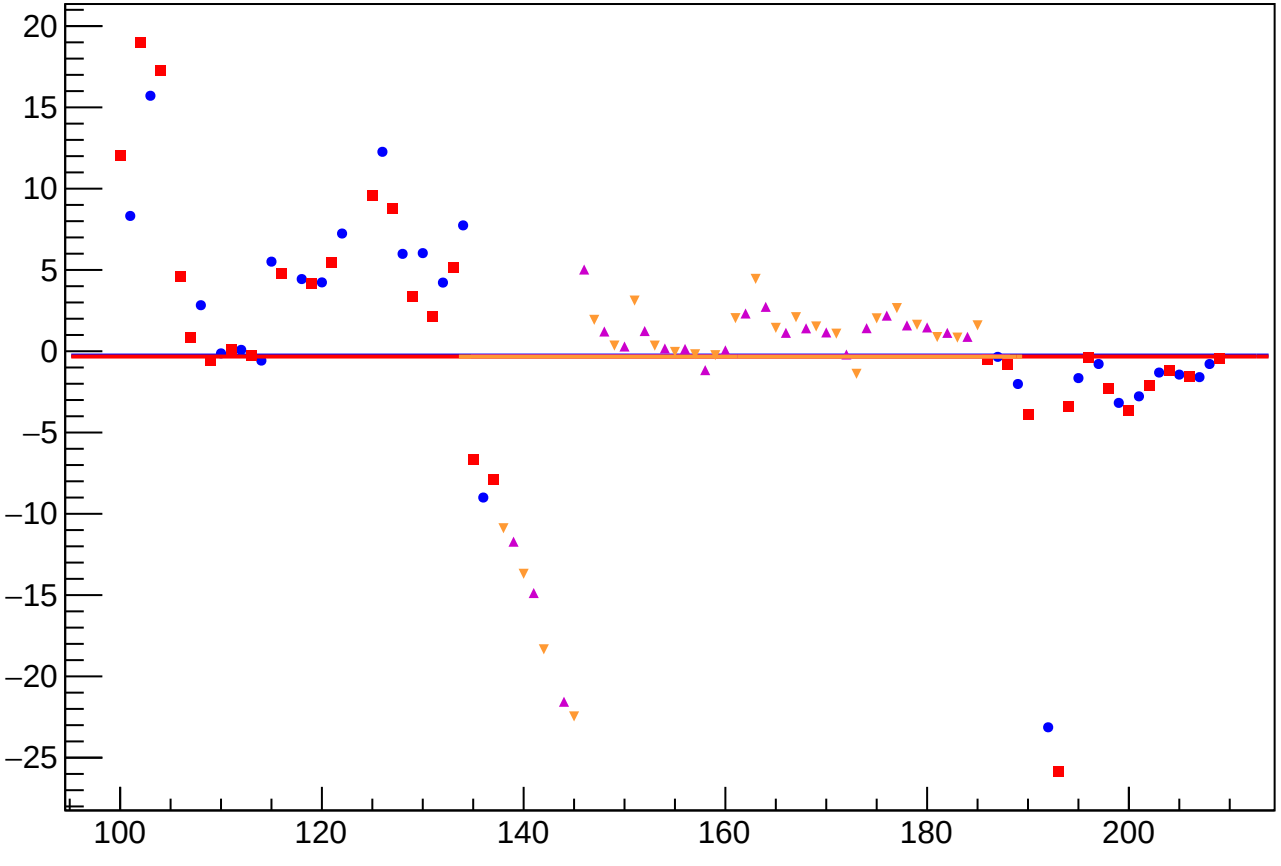
Right: 0.017+/-0.011 χ^2/NDF: 10767.2/56

In: 0.070+/-0.009 χ^2/NDF:12810.8/49

Out: 0.128+/-0.009 χ^2/NDF:9644.0/53

All: 0.099+/-0.006 χ^2/NDF: 22475.8/103

reg_asym_bcm_2an_us_an_ds_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -0.265+/-0.014 χ^2/NDF: 117038.9/26

Left Out: -0.332+/-0.014 χ^2/NDF:124233.4/23

Right Out: -0.327+/-0.012 χ^2/NDF: 115141.6/29

Left In: -0.314+/-0.013 χ^2/NDF:126999.2/22

Left: -0.323+/-0.010 χ^2/NDF: 251233.5/46

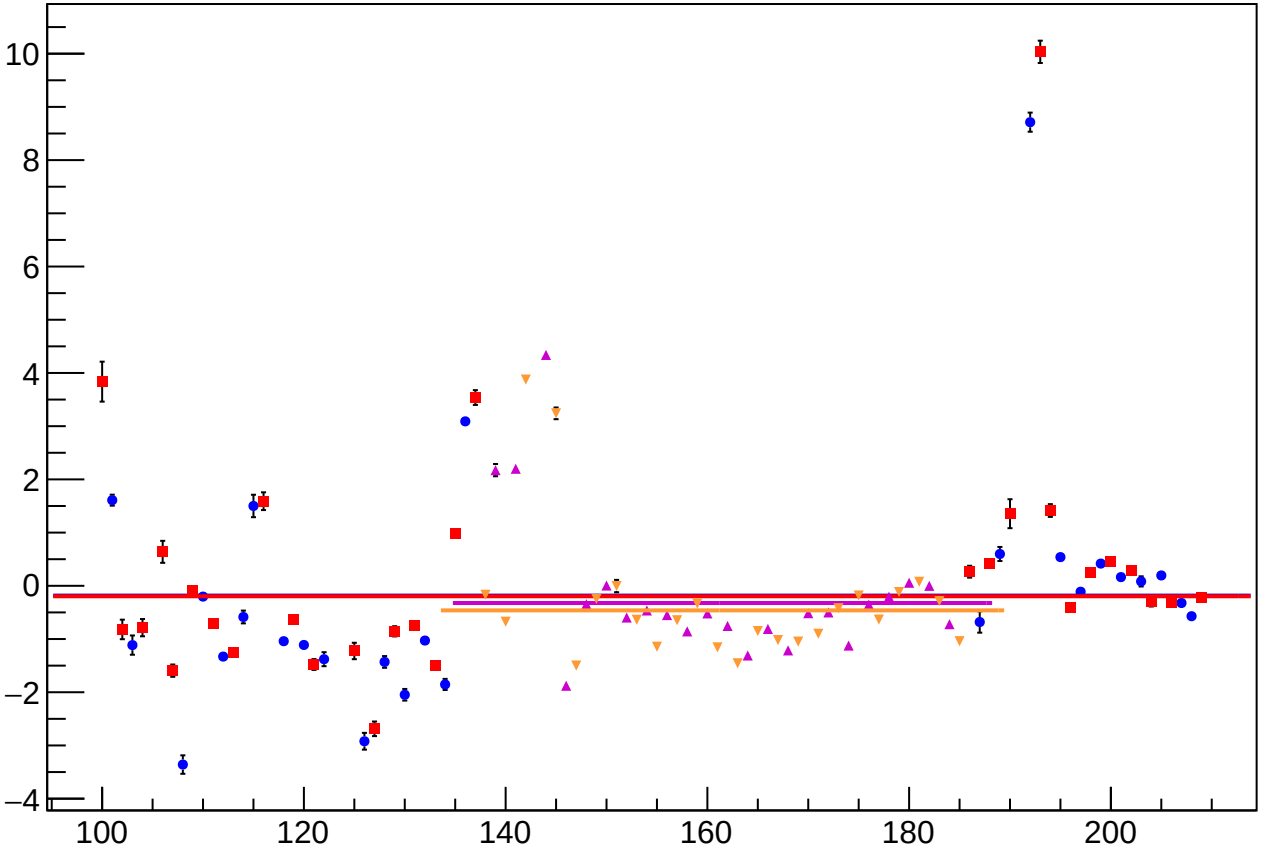
Right: -0.299+/-0.009 χ^2/NDF: 232191.5/56

In: -0.290+/-0.010 χ^2/NDF:244044.5/49

Out: -0.329+/-0.009 χ^2/NDF:239375.1/53

All: -0.311+/-0.007 χ^2/NDF: 483428.2/103

reg_asym_bcm_2an_us_an_ds_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -0.184+/-0.018 χ^2/NDF: 7316.1/26

Left Out: -0.462+/-0.013 χ^2/NDF:4580.0/23

Right Out: -0.197+/-0.017 χ^2/NDF: 5409.5/29

Left In: -0.323+/-0.012 χ^2/NDF:6881.8/22

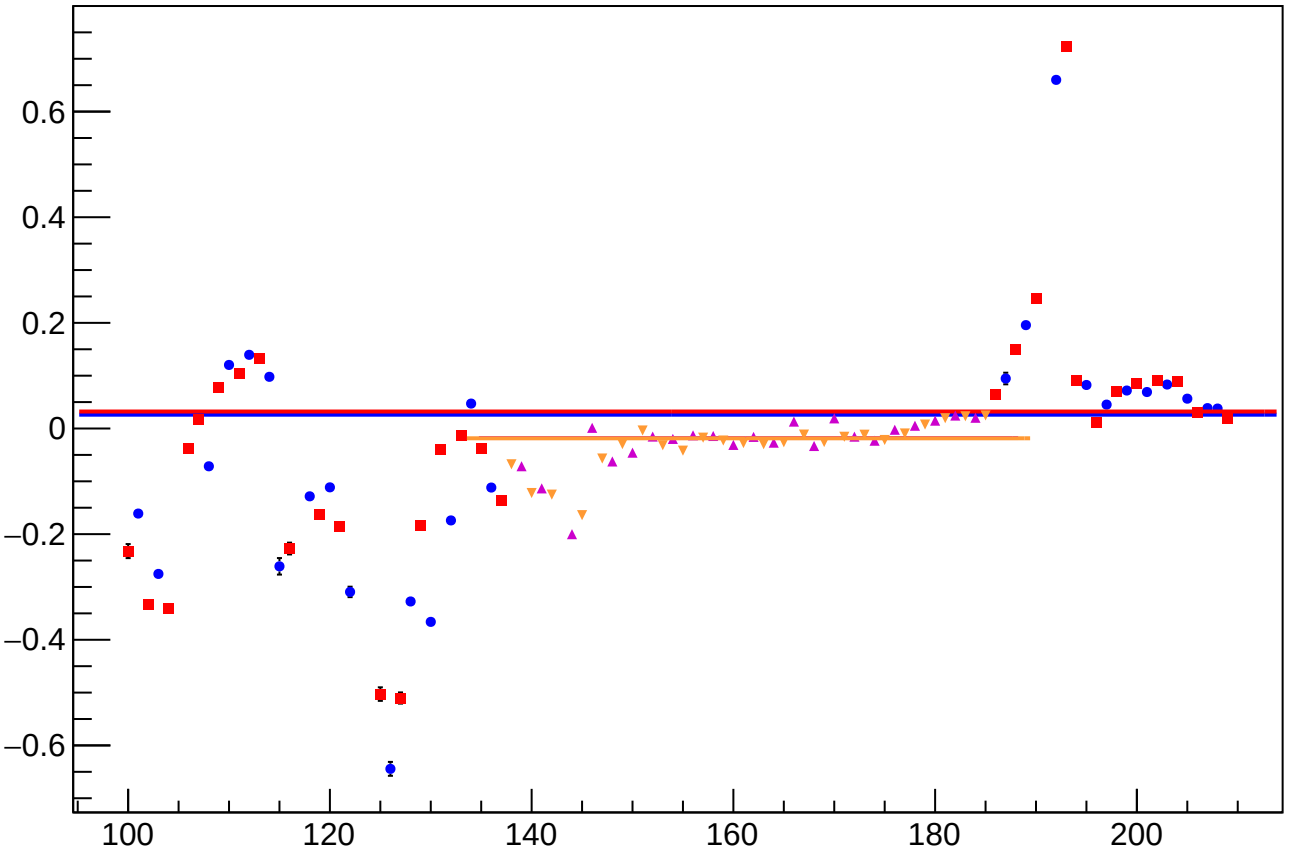
Left: -0.389+/-0.009 χ^2/NDF: 11526.1/46

Right: -0.191+/-0.013 χ^2/NDF: 12725.8/56

In: -0.282+/-0.010 χ^2/NDF:14237.9/49

Out: -0.372+/-0.010 χ^2/NDF:10141.5/53

All: -0.326+/-0.007 χ^2/NDF: 24418.8/103



Right In: 0.026+/-0.001 χ^2/NDF: 33747.0/26

Left Out: -0.019+/-0.001 χ^2/NDF:4227.5/23

Right Out: 0.032+/-0.001 χ^2/NDF: 33396.7/29

Left In: -0.018+/-0.001 χ^2/NDF:4879.3/22

Left: -0.018+/-0.000 χ^2/NDF: 9107.2/46

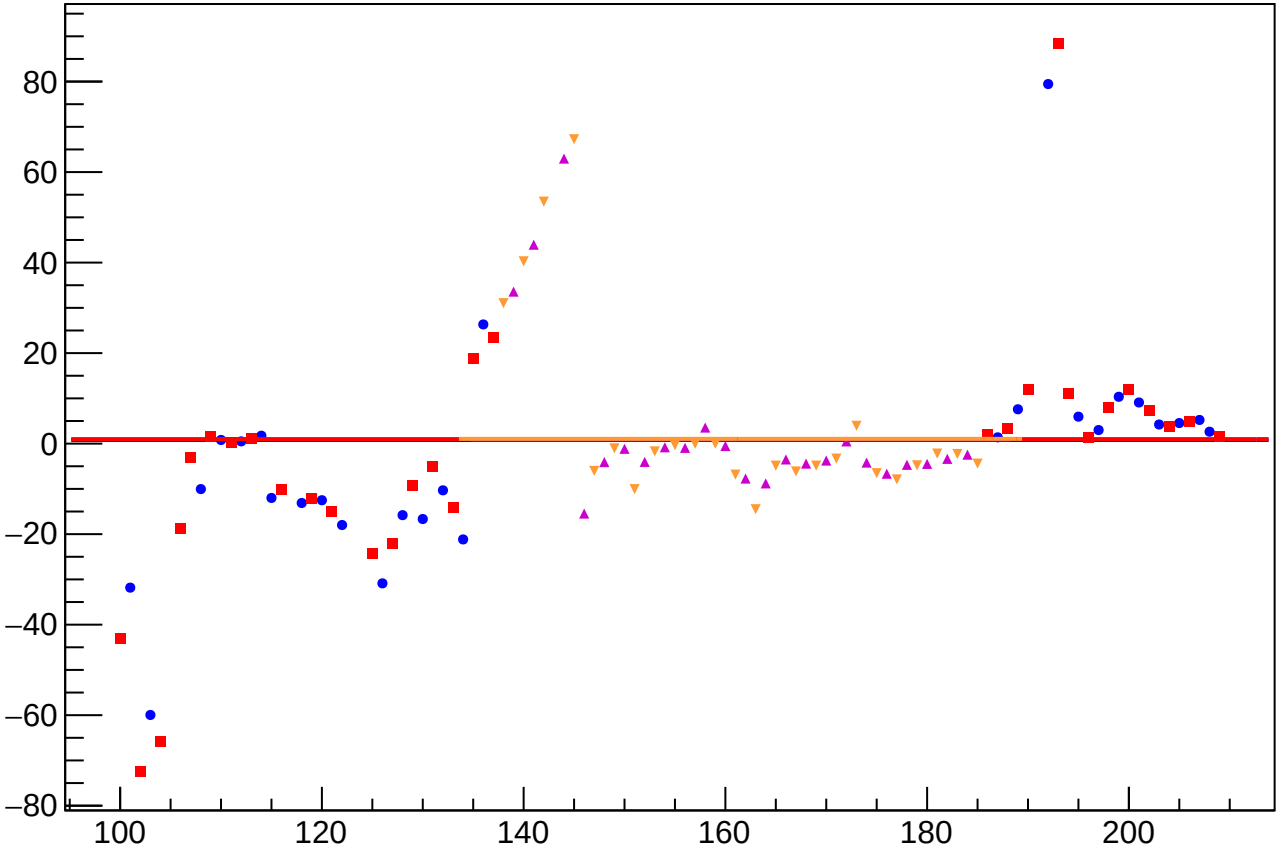
Right: 0.029+/-0.001 χ^2/NDF: 67171.3/56

In: -0.006+/-0.000 χ^2/NDF:40727.0/49

Out: -0.002+/-0.000 χ^2/NDF:40393.4/53

All: -0.004+/-0.000 χ^2/NDF: 81148.0/103

reg_asym_bcm_an_us_an_ds_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.804+/-0.039 χ^2/NDF: 120341.5/26

Left Out: 1.058+/-0.041 χ^2/NDF:131010.5/23

Right Out: 1.003+/-0.034 χ^2/NDF: 118548.2/29

Left In: 0.915+/-0.040 χ^2/NDF:132816.1/22

Left: 0.985+/-0.028 χ^2/NDF: 263832.9/46

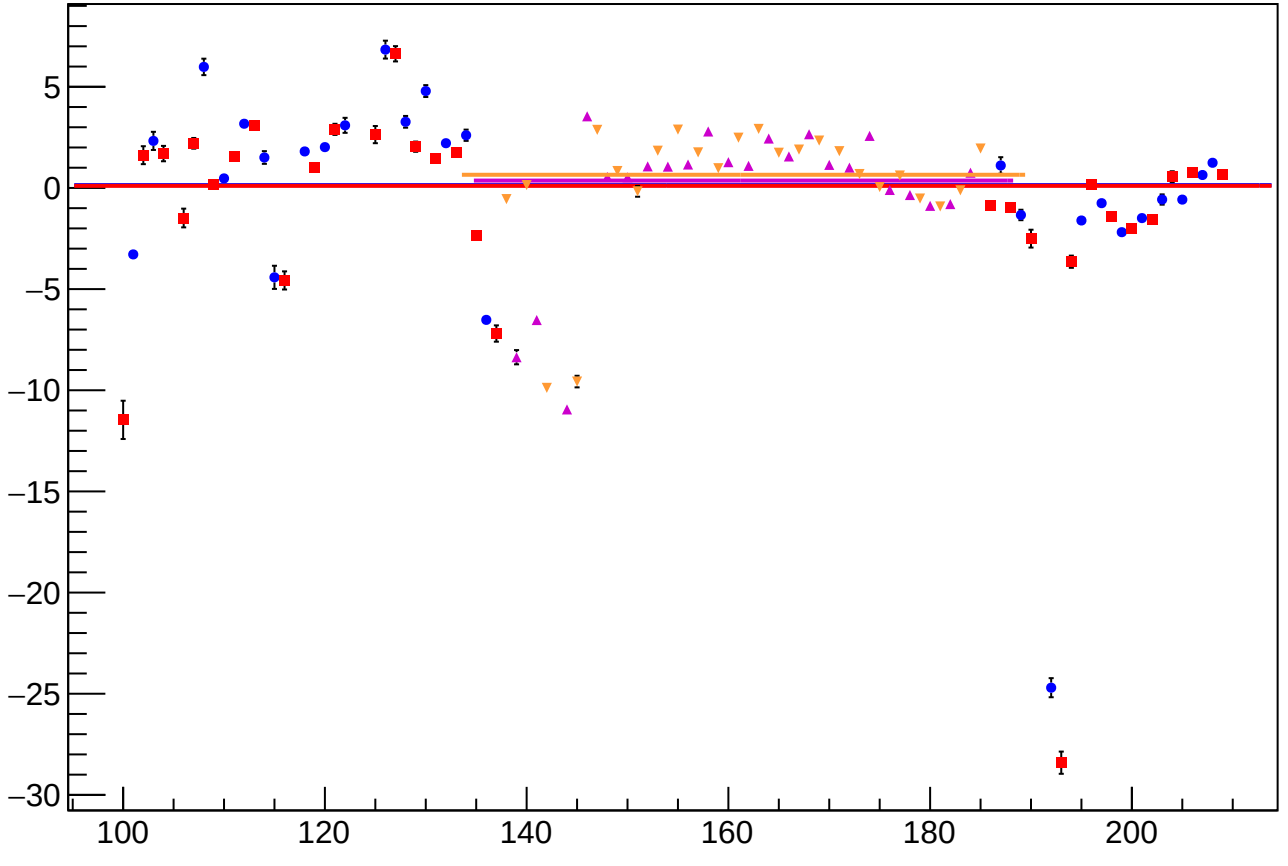
Right: 0.917+/-0.026 χ^2/NDF: 238904.4/56

In: 0.859+/-0.028 χ^2/NDF:253161.7/49

Out: 1.026+/-0.026 χ^2/NDF:249559.8/53

All: 0.948+/-0.019 χ^2/NDF: 502740.5/103

reg_asym_bcm_an_us_an_ds_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 0.139+/-0.046 χ^2/NDF: 5993.2/26

Left Out: 0.651+/-0.033 χ^2/NDF:4708.8/23

Right Out: 0.104+/-0.044 χ^2/NDF: 4999.7/29

Left In: 0.364+/-0.031 χ^2/NDF:7122.4/22

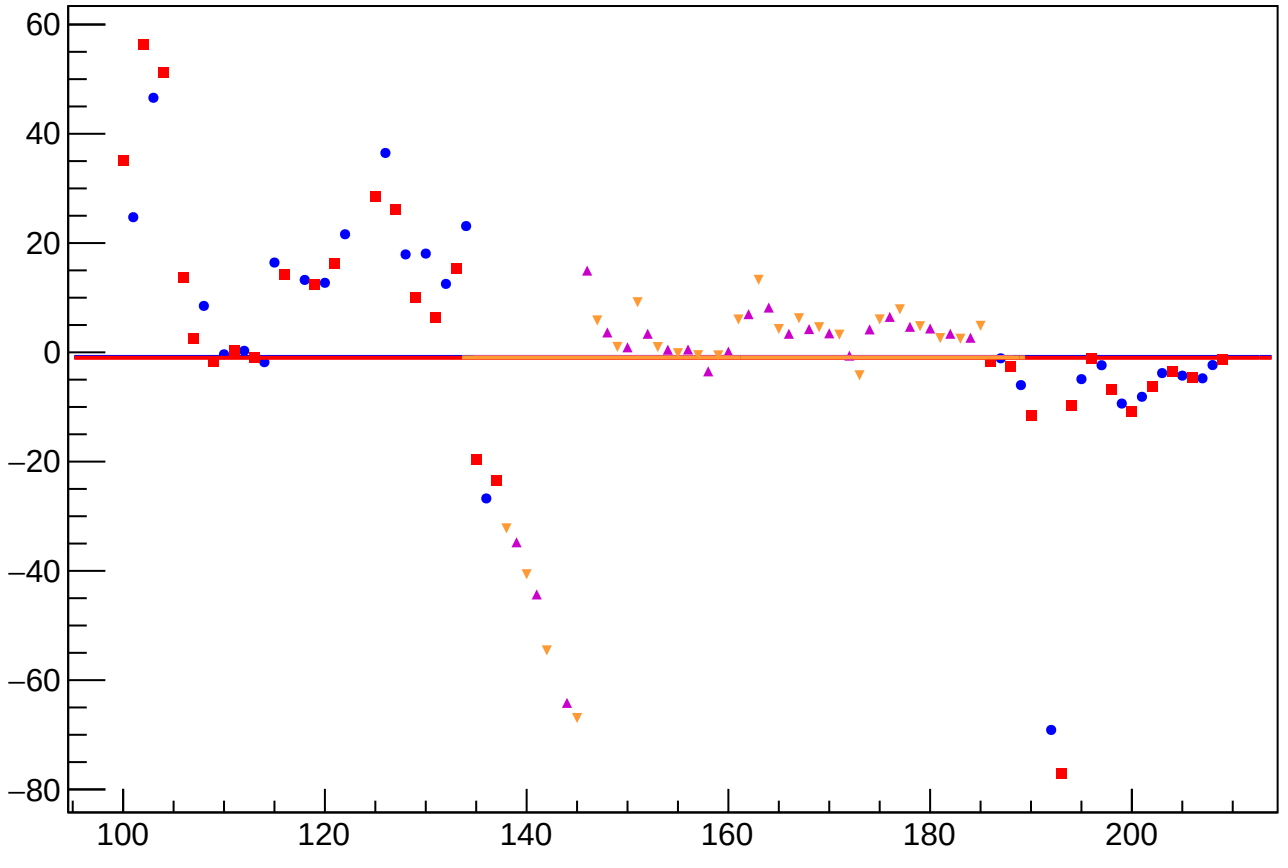
Left: 0.499+/-0.023 χ^2/NDF: 11870.9/46

Right: 0.121+/-0.032 χ^2/NDF: 10993.3/56

In: 0.294+/-0.026 χ^2/NDF:13131.8/49

Out: 0.452+/-0.026 χ^2/NDF:9807.9/53

All: 0.371+/-0.019 χ^2/NDF: 22957.8/103



Right In: -0.843+/-0.040 χ^2/NDF: 119098.0/26

Left Out: -0.927+/-0.041 χ^2/NDF:126360.1/23

Right Out: -1.004+/-0.036 χ^2/NDF: 116936.3/29

Left In: -0.858+/-0.039 χ^2/NDF:129490.8/22

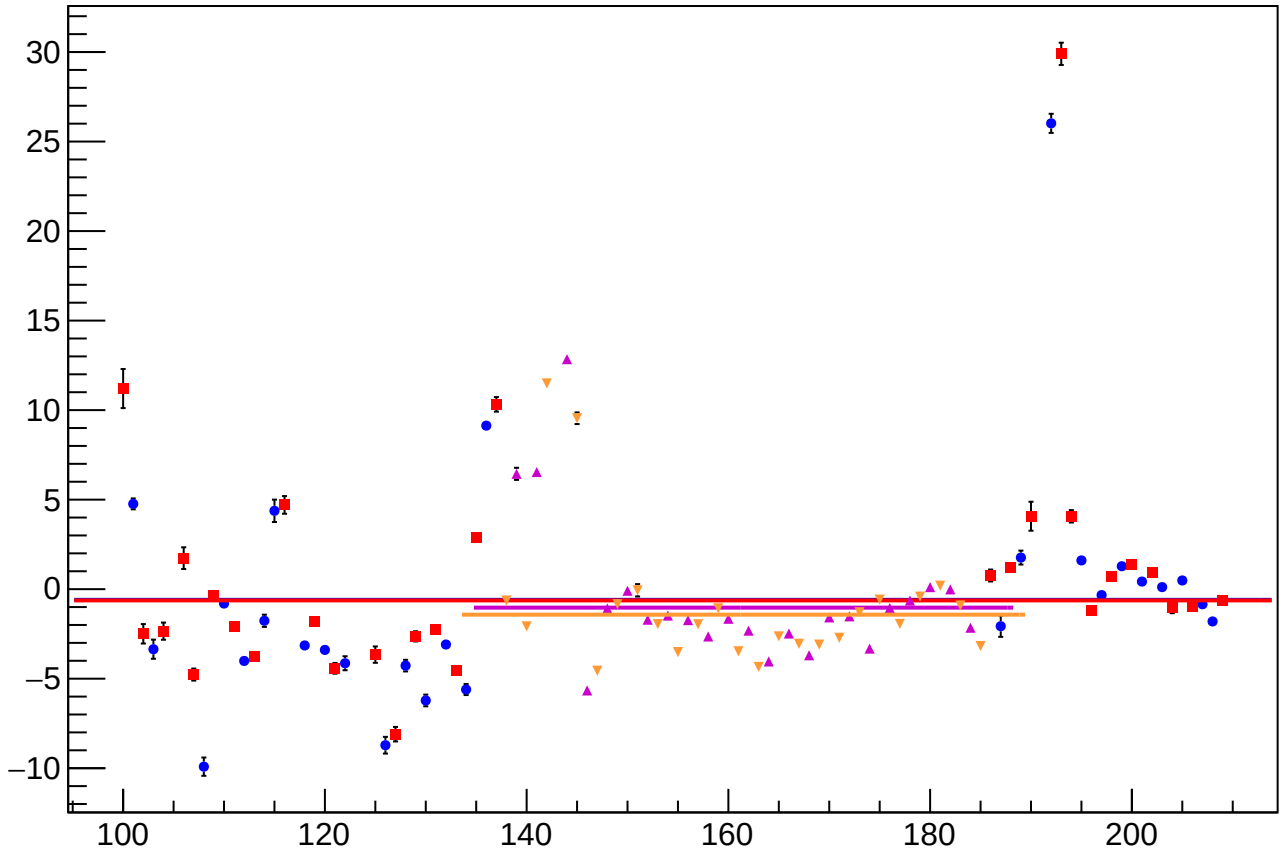
Left: -0.891+/-0.028 χ^2/NDF: 255852.4/46

Right: -0.932+/-0.027 χ^2/NDF: 236043.2/56

In: -0.850+/-0.028 χ^2/NDF:248588.9/49

Out: -0.970+/-0.027 χ^2/NDF:243298.4/53

All: -0.913+/-0.019 χ^2/NDF: 491896.7/103



Right In: -0.598+/-0.054 χ^2/NDF: 7475.7/26

Left Out: -1.425+/-0.037 χ^2/NDF:4639.6/23

Right Out: -0.628+/-0.051 χ^2/NDF: 5505.5/29

Left In: -1.032+/-0.035 χ^2/NDF:7051.3/22

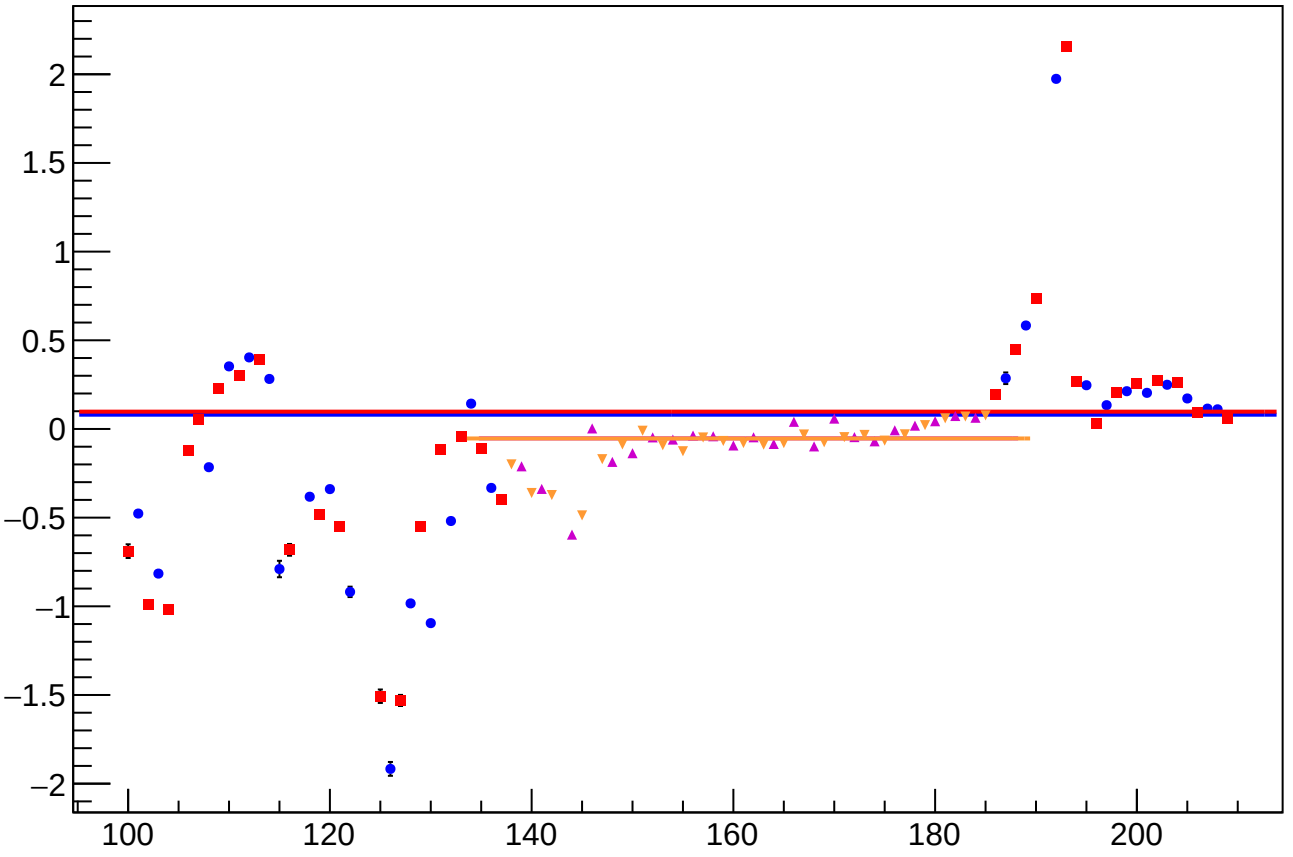
Left: -1.218+/-0.025 χ^2/NDF: 11751.4/46

Right: -0.614+/-0.037 χ^2/NDF: 12981.4/56

In: -0.904+/-0.029 χ^2/NDF:14573.2/49

Out: -1.152+/-0.030 χ^2/NDF:10307.4/53

All: -1.026+/-0.021 χ^2/NDF: 24916.2/103



Right In: 0.080+/-0.002 χ^2/NDF: 34340.7/26

Left Out: -0.054+/-0.002 χ^2/NDF:4341.2/23

Right Out: 0.098+/-0.002 χ^2/NDF: 34029.4/29

Left In: -0.053+/-0.001 χ^2/NDF:5013.3/22

Left: -0.053+/-0.001 χ^2/NDF: 9354.6/46

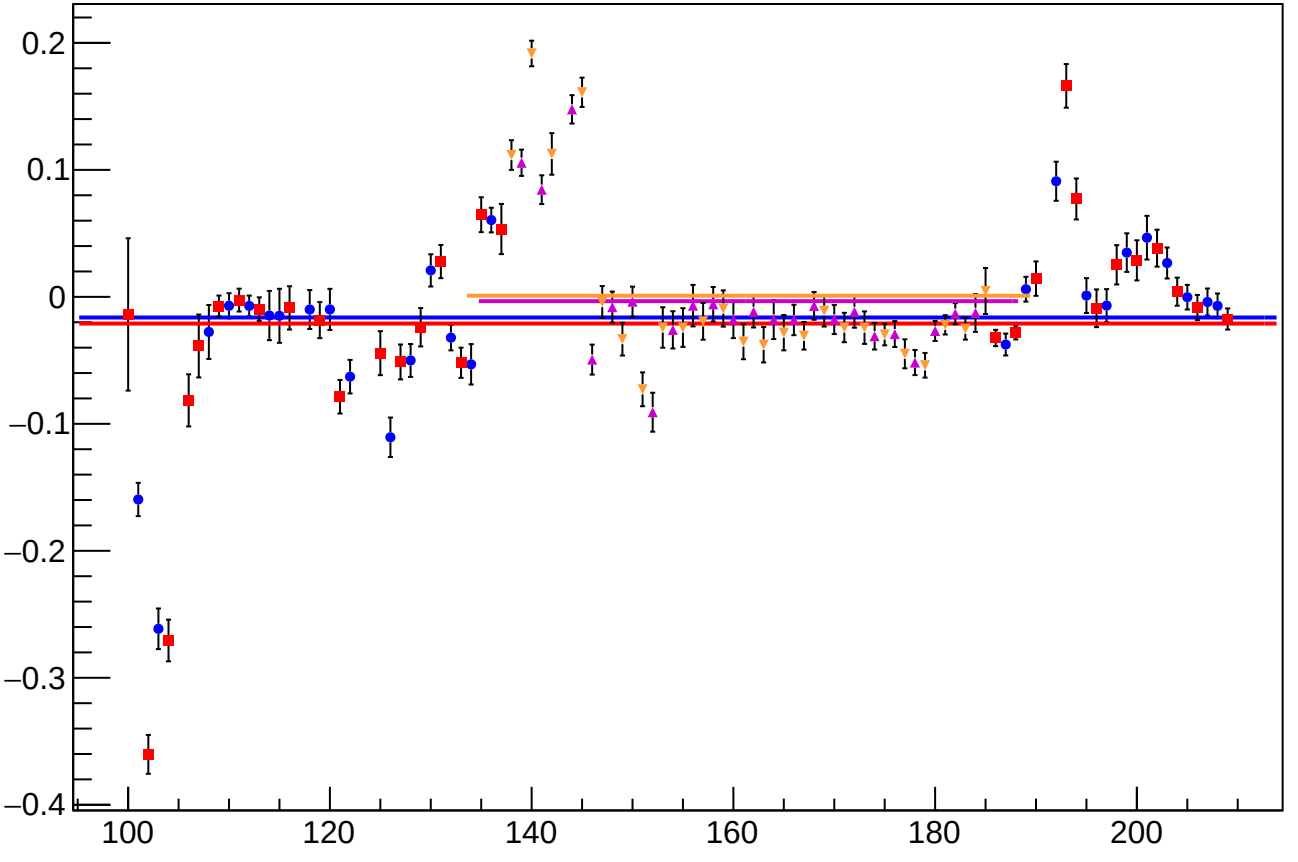
Right: 0.089+/-0.002 χ^2/NDF: 68396.9/56

In: -0.015+/-0.001 χ^2/NDF:41625.4/49

Out: -0.005+/-0.001 χ^2/NDF:41275.9/53

All: -0.010+/-0.001 χ^2/NDF: 82936.0/103

reg_asym_bcm_an_us_an_ds_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -0.016+/-0.002 χ^2/NDF: 595.6/26

Left Out: 0.001+/-0.002 χ^2/NDF:849.7/23

Right Out: -0.021+/-0.002 χ^2/NDF: 1050.8/29

Left In: -0.003+/-0.002 χ^2/NDF:457.9/22

Left: -0.001+/-0.002 χ^2/NDF: 1309.2/46

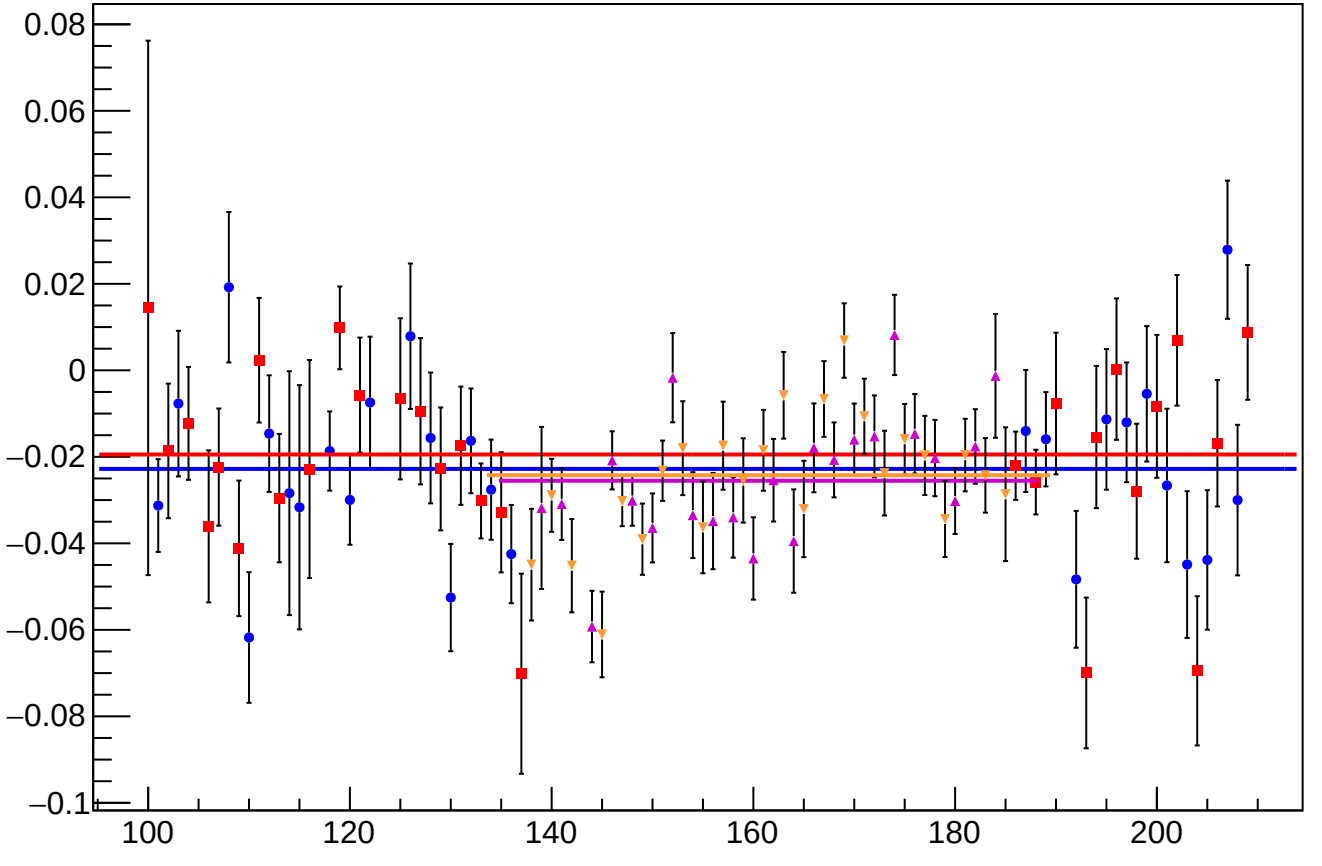
Right: -0.019+/-0.002 χ^2/NDF: 1648.6/56

In: -0.010+/-0.002 χ^2/NDF:1068.1/49

Out: -0.011+/-0.002 χ^2/NDF:1947.3/53

All: -0.011+/-0.001 χ^2/NDF: 3015.8/103

reg_asym_bcm_an_us_an_ds_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -0.023+/-0.003 χ^2/NDF: 48.3/26

Left Out: -0.024+/-0.002 χ^2/NDF:53.7/23

Right Out: -0.019+/-0.002 χ^2/NDF: 51.6/29

Left In: -0.026+/-0.002 χ^2/NDF:55.0/22

Left: -0.025+/-0.001 χ^2/NDF: 109.0/46

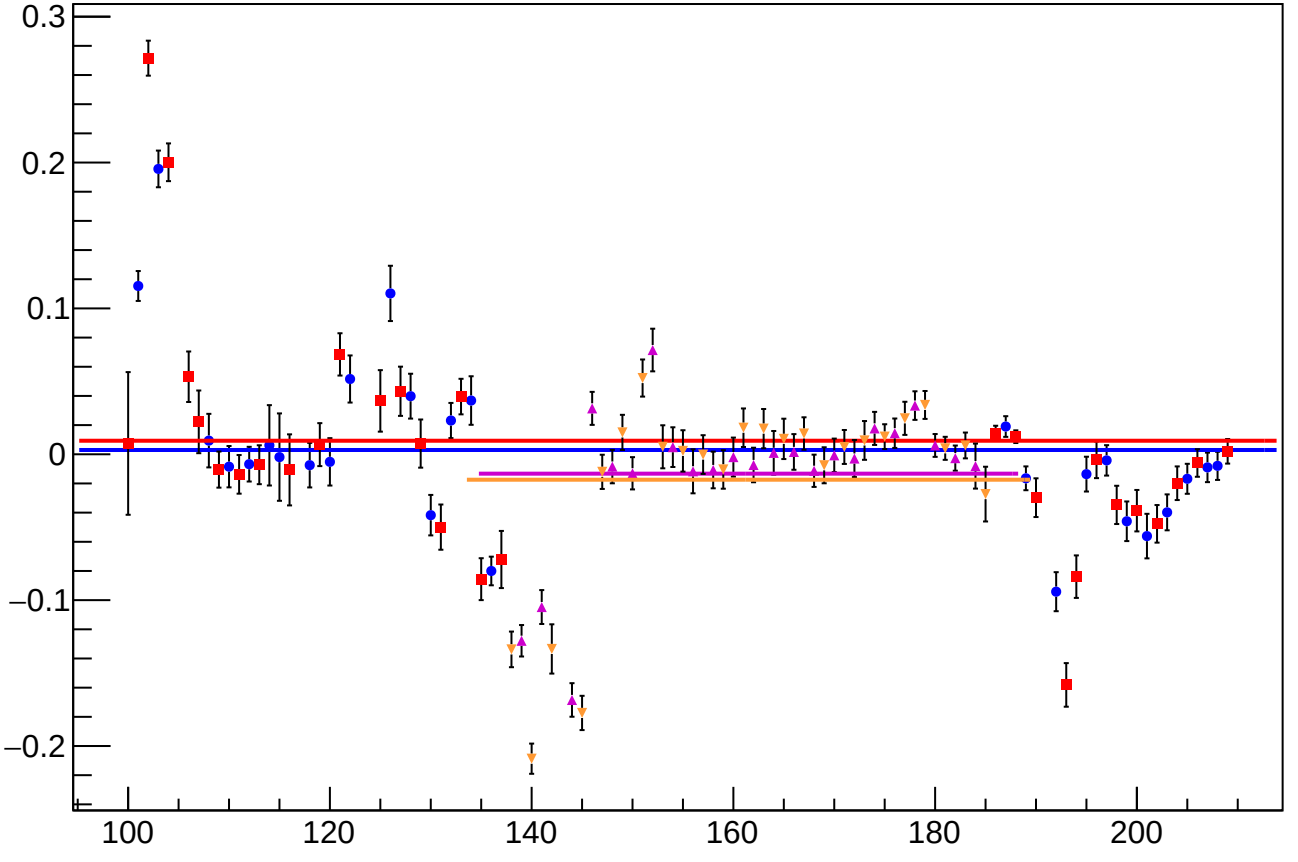
Right: -0.021+/-0.002 χ^2/NDF: 100.7/56

In: -0.025+/-0.002 χ^2/NDF:104.0/49

Out: -0.023+/-0.001 χ^2/NDF:107.7/53

All: -0.024+/-0.001 χ^2/NDF: 212.7/103

reg_asym_bcm_an_us_an_ds_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 0.003+/-0.002 χ^2/NDF: 605.1/26

Left Out: -0.017+/-0.002 χ^2/NDF:812.1/23

Right Out: 0.009+/-0.002 χ^2/NDF: 1043.9/29

Left In: -0.013+/-0.002 χ^2/NDF:458.6/22

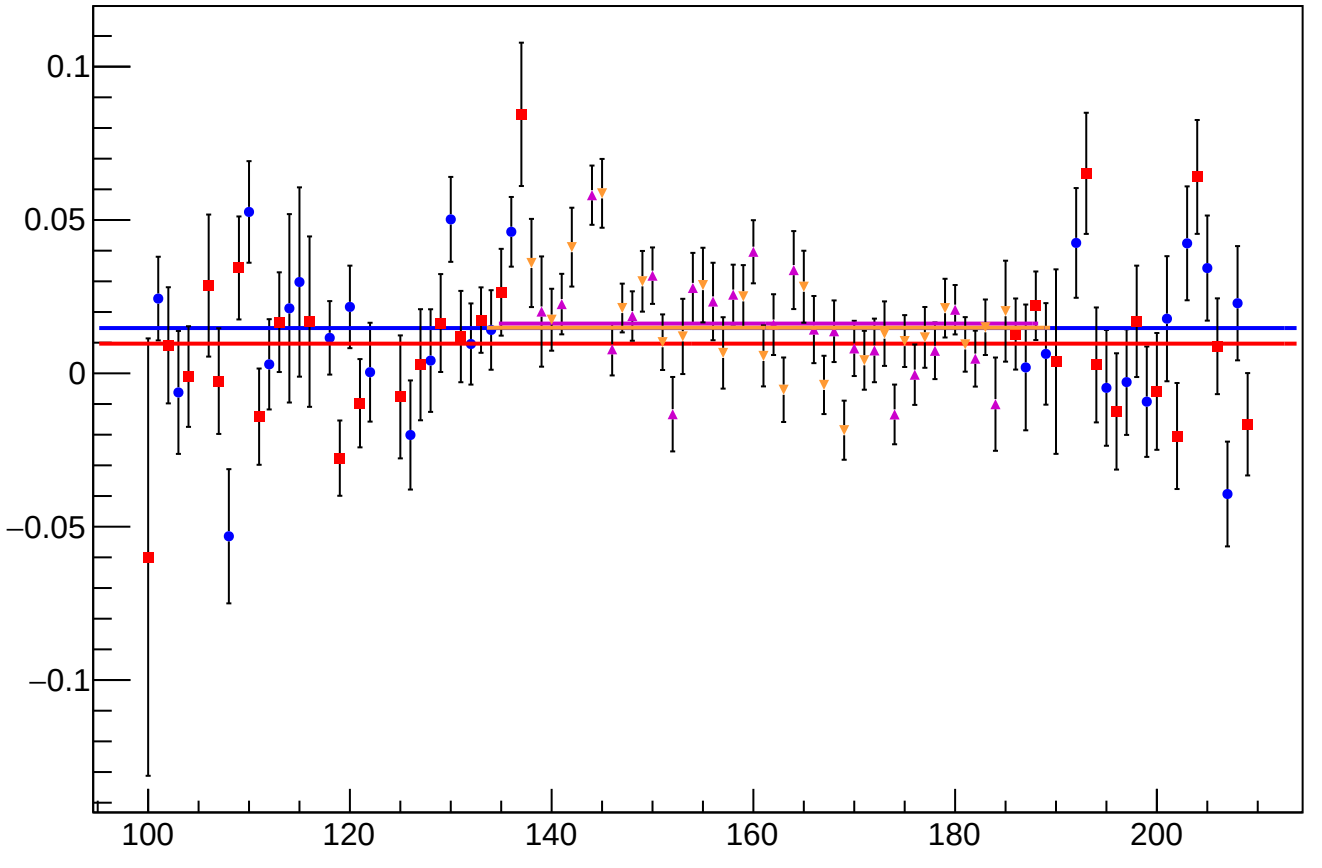
Left: -0.015+/-0.002 χ^2/NDF: 1272.2/46

Right: 0.007+/-0.002 χ^2/NDF: 1653.2/56

In: -0.005+/-0.002 χ^2/NDF:1087.2/49

Out: -0.002+/-0.002 χ^2/NDF:1928.3/53

All: -0.003+/-0.001 χ^2/NDF: 3017.2/103



Right In: 0.015+/-0.003 χ^2/NDF: 57.8/26

Left Out: 0.015+/-0.002 χ^2/NDF:52.1/23

Right Out: 0.010+/-0.003 χ^2/NDF: 57.2/29

Left In: 0.016+/-0.002 χ^2/NDF:58.0/22

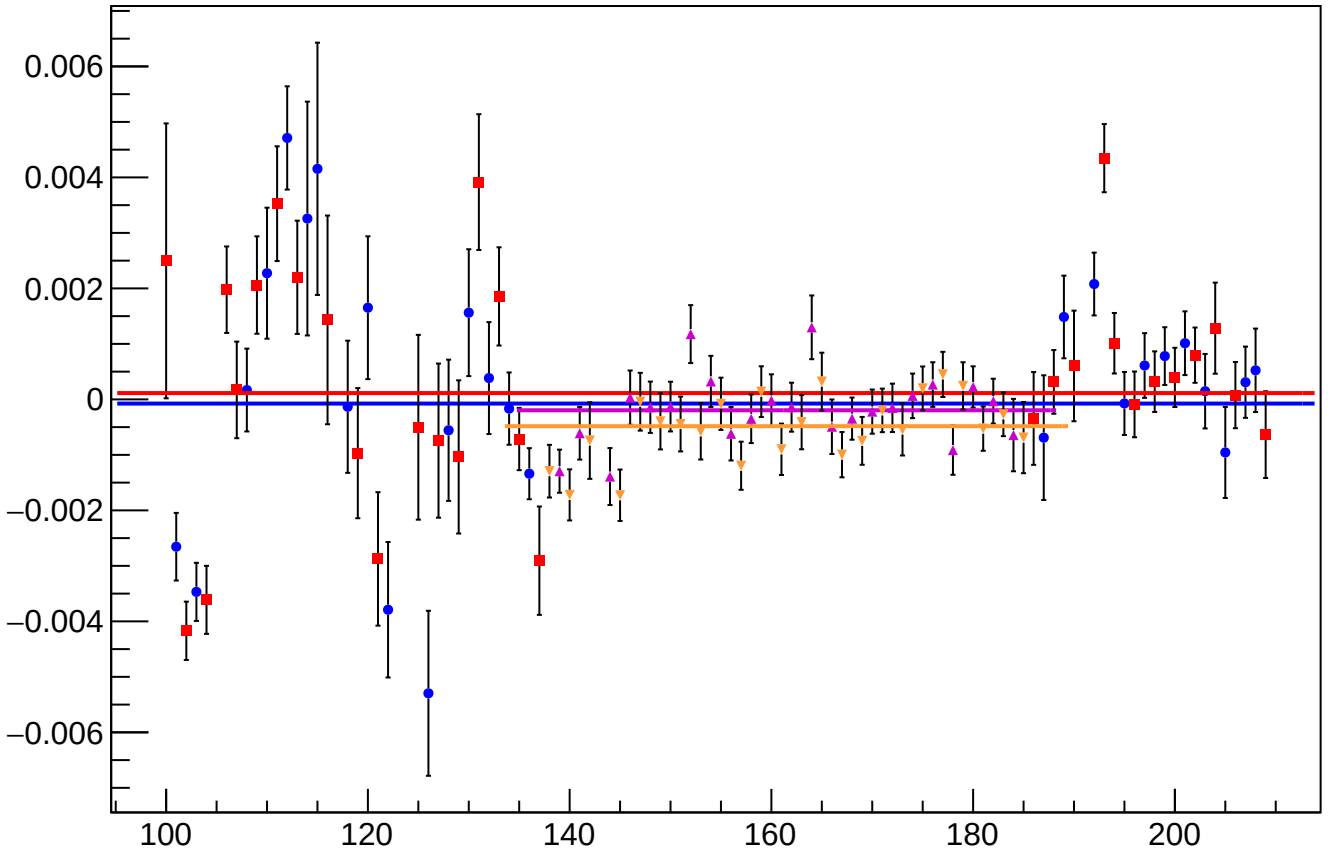
Left: 0.016+/-0.001 χ^2/NDF: 110.2/46

Right: 0.012+/-0.002 χ^2/NDF: 116.4/56

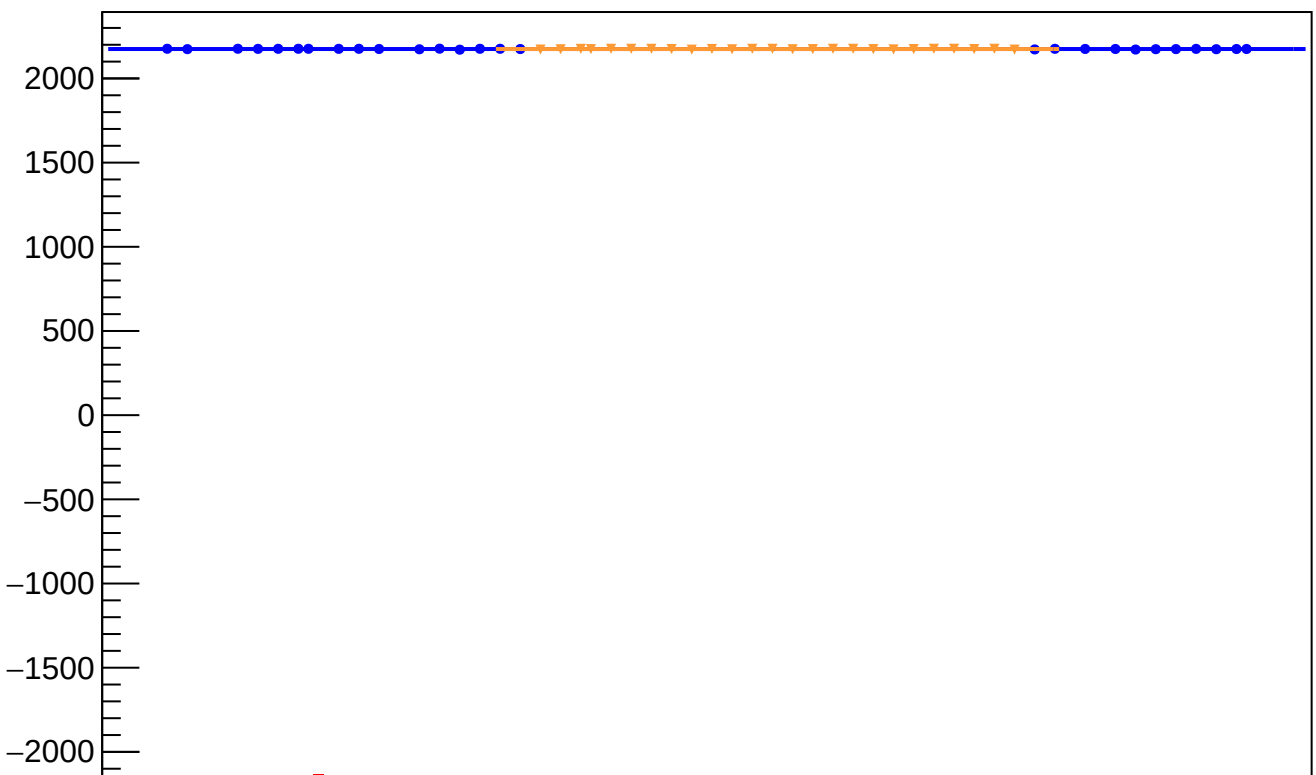
In: 0.016+/-0.002 χ^2/NDF:115.9/49

Out: 0.013+/-0.002 χ^2/NDF:111.3/53

All: 0.014+/-0.001 χ^2/NDF: 228.3/103


reg_asym_bcm_an_us_an_ds_dd_diff_bpm12X_slope vs Slug, Sign Corrected
0.006
0.004
0.002
0
−0.002
−0.004
−0.006
100
120
140
160
180
200
Right In: -0.000+/-0.000 χ²/NDF: 158.9/26
Left Out: -0.000+/-0.000 χ²/NDF:40.8/23
Right Out: 0.000+/-0.000 χ²/NDF: 220.2/29
Left In: -0.000+/-0.000 χ²/NDF:37.2/22
Left: -0.000+/-0.000 χ²/NDF: 82.8/46
Right: 0.000+/-0.000 χ²/NDF: 380.1/56
In: -0.000+/-0.000 χ²/NDF:196.6/49
Out: -0.000+/-0.000 χ²/NDF:274.0/53
All: -0.000+/-0.000 χ²/NDF: 472.1/103

HALLA_p_mean vs Slug, Sign Corrected



Right In: 2174.774+/-0.000 χ^2/NDF: 319825477131342449242191745882521 6.0/26

Left Out: 2174.643+/-0.000 χ^2/NDF:52116844463194421571996575984517 12.0/24

Right Out: -2174.430+/-0.000 χ^2/NDF: 10135765535297363931635073740177408.0/31

Left In: -2174.573+/-0.000 χ^2/NDF:34312670977938388457288638157291 52.0/22

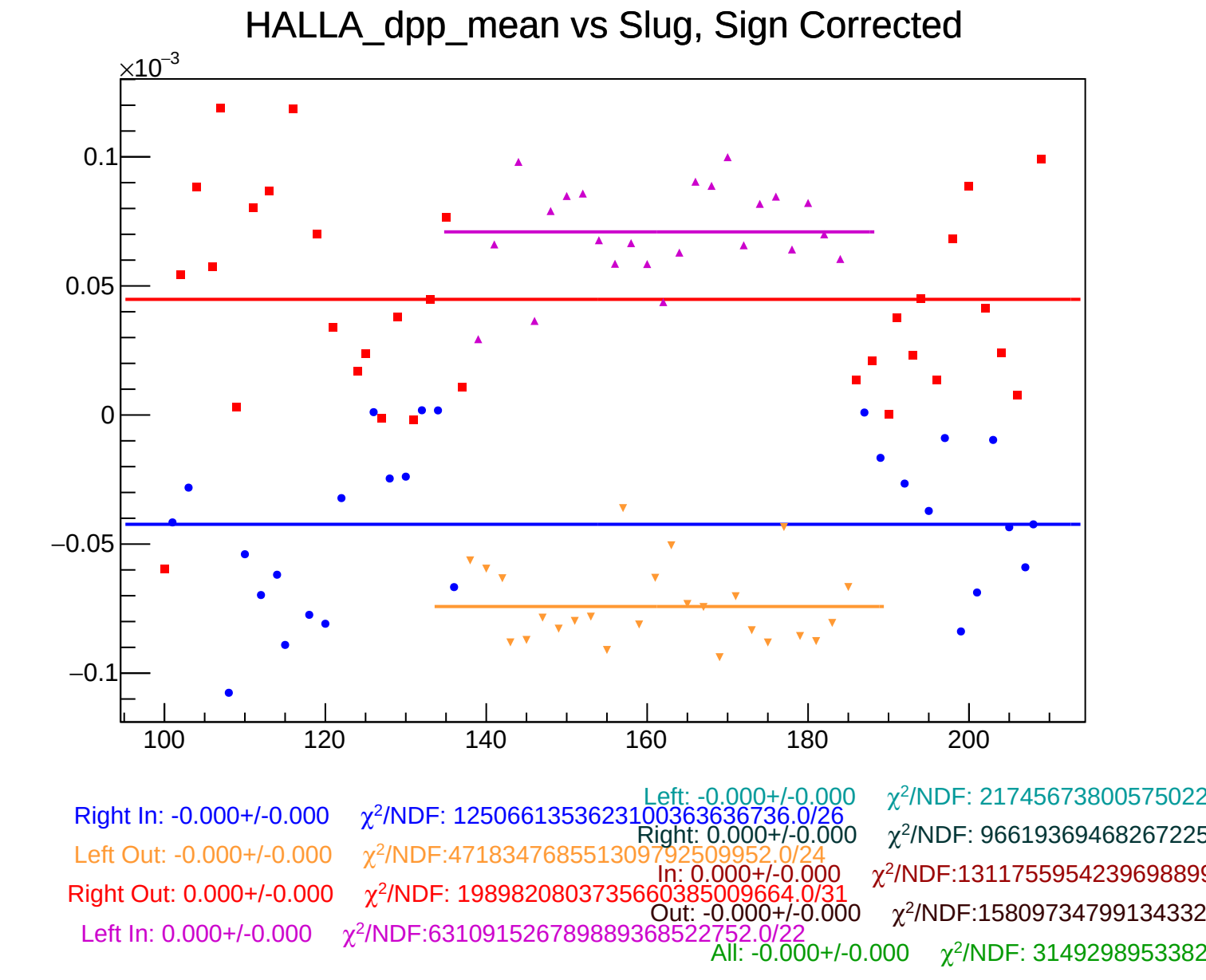
Left: 62.103+/-0.000 χ^2/NDF: 18541167673153150

Right: -96.049+/-0.000 χ^2/NDF: 159995732595744

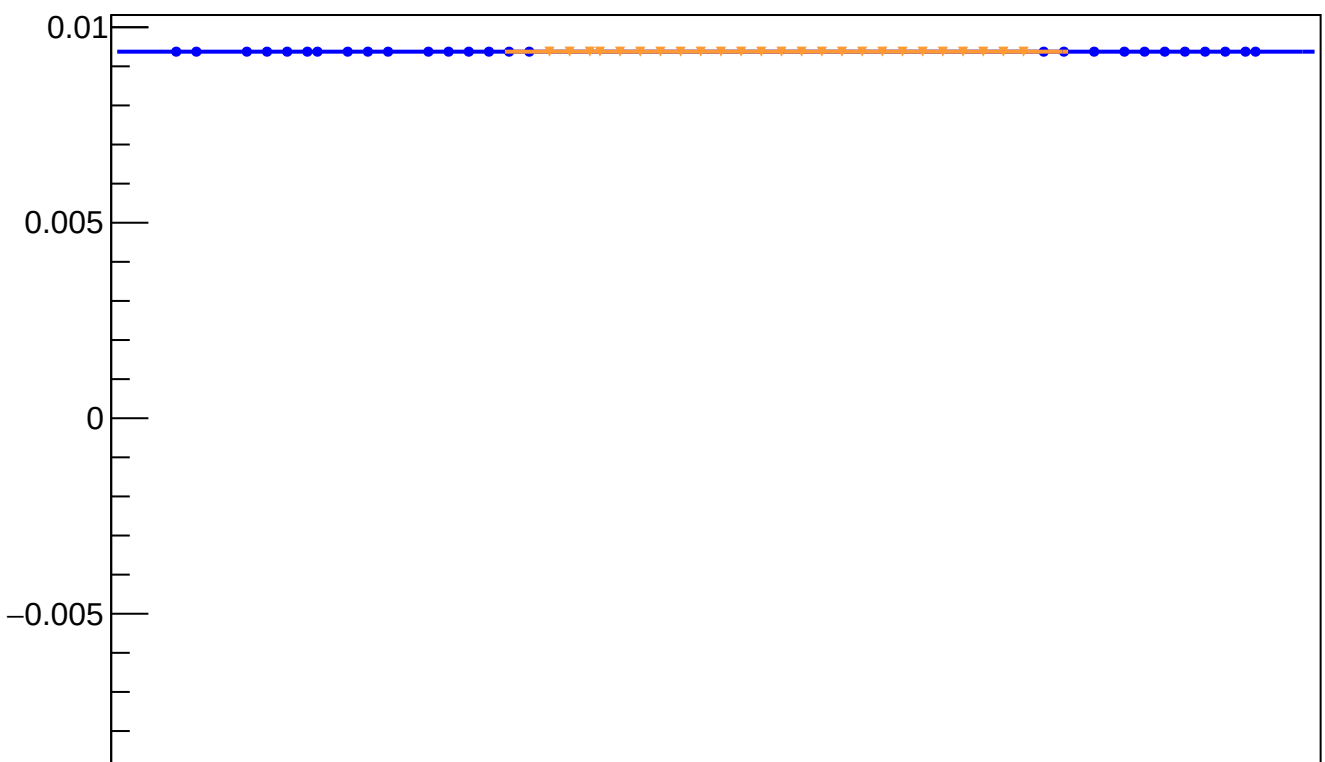
In: -176.291+/-0.000 χ^2/NDF:1656547002721478

Out: 142.473+/-0.000 χ^2/NDF:1783520553457217

All: -11.200+/-0.000 χ^2/NDF: 345862320776


HALLA_dpp_mean vs Slug, Sign Corrected
×10^−3
0.1
0.05
0
−0.05
−0.1
100
120
140
160
180
200
Right In: -0.000+/-0.000 χ²/NDF: 125066135362310036363636736.0/26
Left Out: -0.000+/-0.000 χ²/NDF:4718347685513097925099520/24
Right Out: 0.000+/-0.000 χ²/NDF: 19898208037356603850096640/31
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: 96619369468267225
In: 0.000+/-0.000 χ²/NDF:131175595423969889
Out: -0.000+/-0.000 χ²/NDF:15809734799134332
All: -0.000+/-0.000 χ²/NDF: 3149298953382

MQ171LM_mean vs Slug, Sign Corrected



Right In: 0.009+/-0.000 χ^2/NDF: 0.2/26

Left Out: 0.009+/-0.000 χ^2/NDF:0.1/24

Right Out: -0.009+/-0.000 χ^2/NDF: 0.3/31

Left In: -0.009+/-0.000 χ^2/NDF:0.1/22

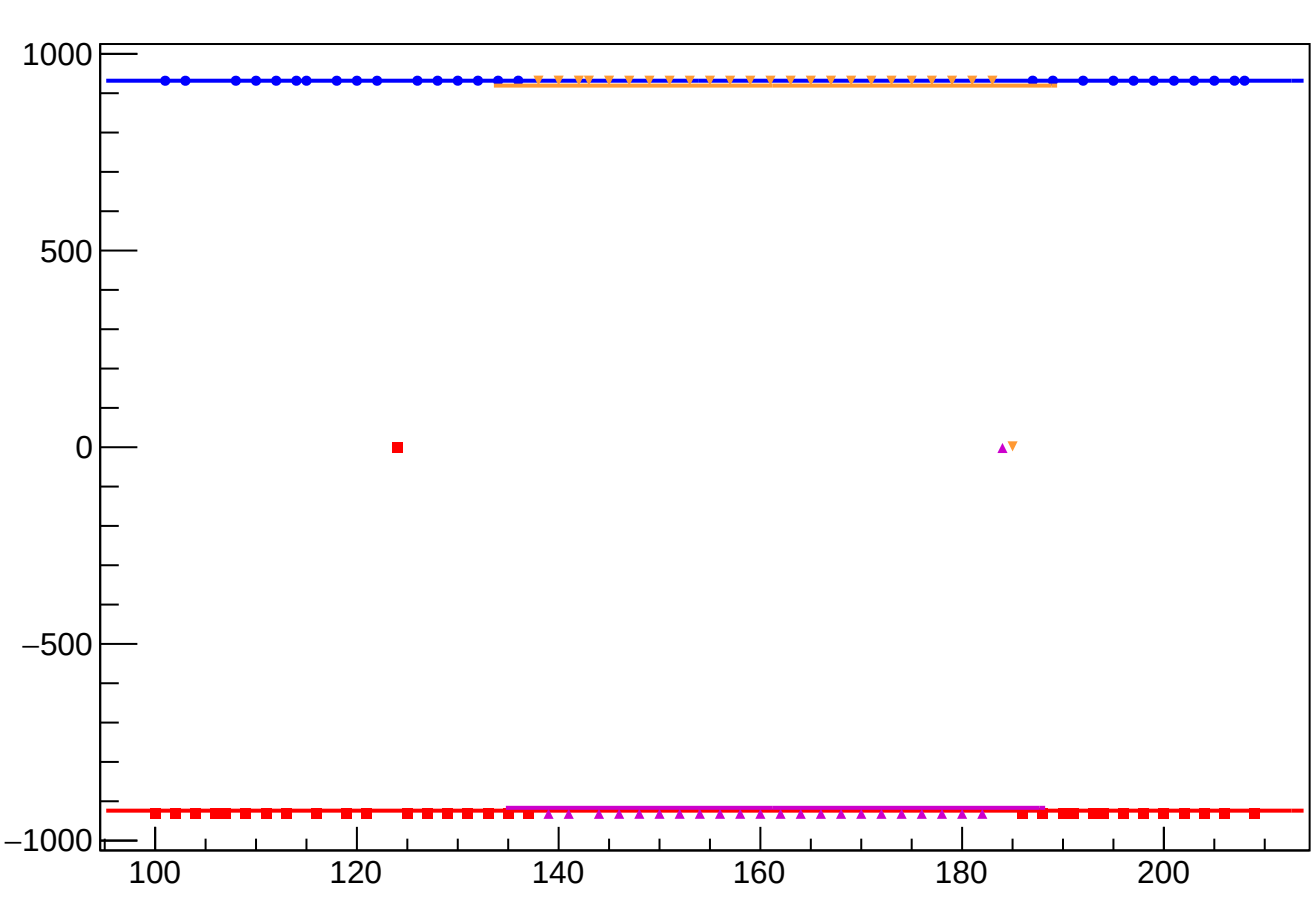
Left: 0.000+/-0.000 χ^2/NDF: 344601849197246623

Right: -0.000+/-0.000 χ^2/NDF: 2973658738938045

In: -0.001+/-0.000 χ^2/NDF:307863460720362197

Out: 0.001+/-0.000 χ^2/NDF:331502648165257893

All: -0.000+/-0.000 χ^2/NDF: 6428146790401



Right In: 931.779+/-0.000 χ^2/NDF: 339157658145679247573833796812 8.0/26

Left Out: 919.347+/-0.000 χ^2/NDF:230211234962152806190415261330812436 48.0/24

Right Out: -923.885+/-0.000 χ^2/NDF: 1291199050730088358174150674442774 1184.0/31

Left In: -916.654+/-0.000 χ^2/NDF:263697449311835480737856648421855723 52.0/22

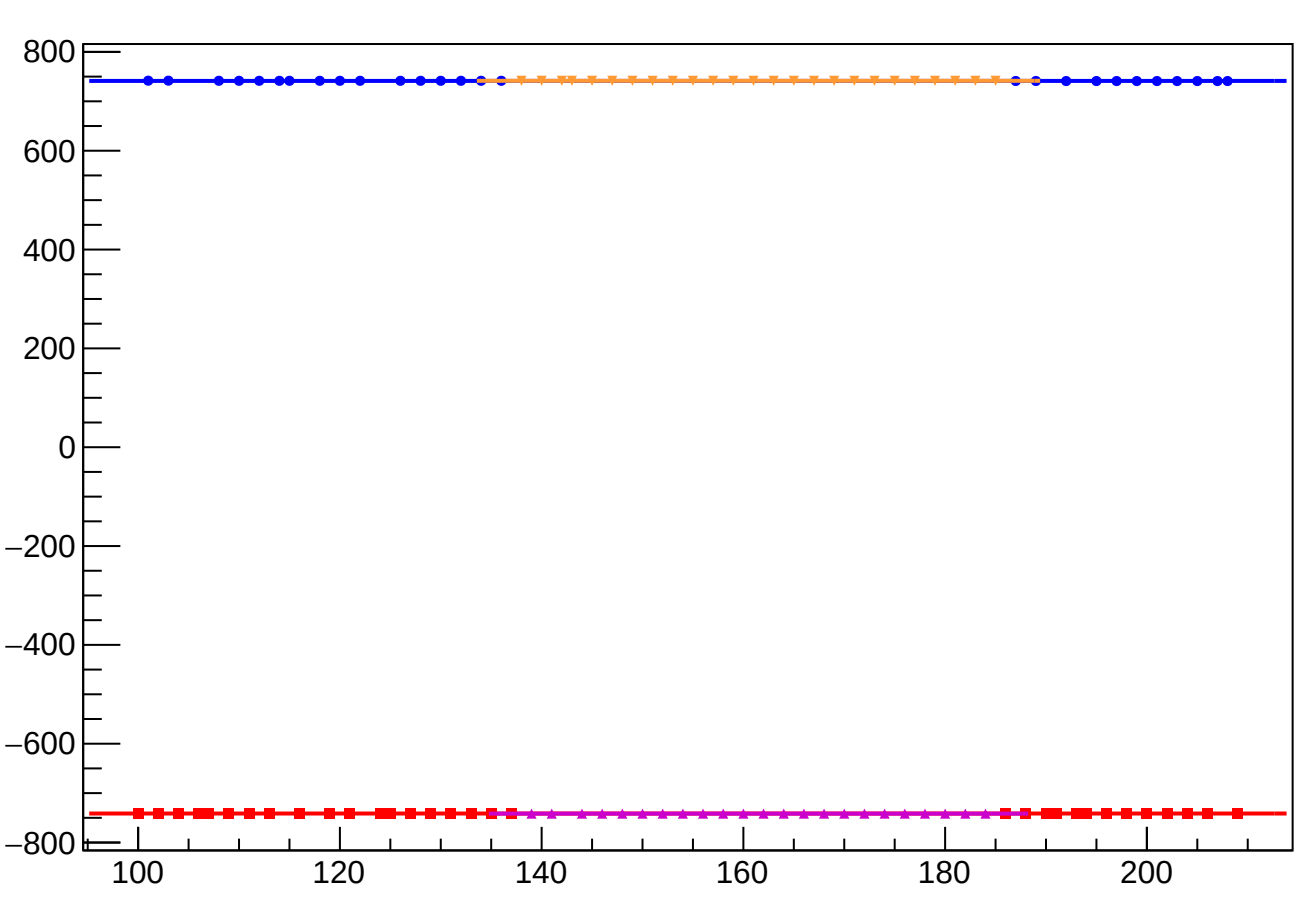
Left: 27.548+/-0.000 χ^2/NDF: 335355180821936 32

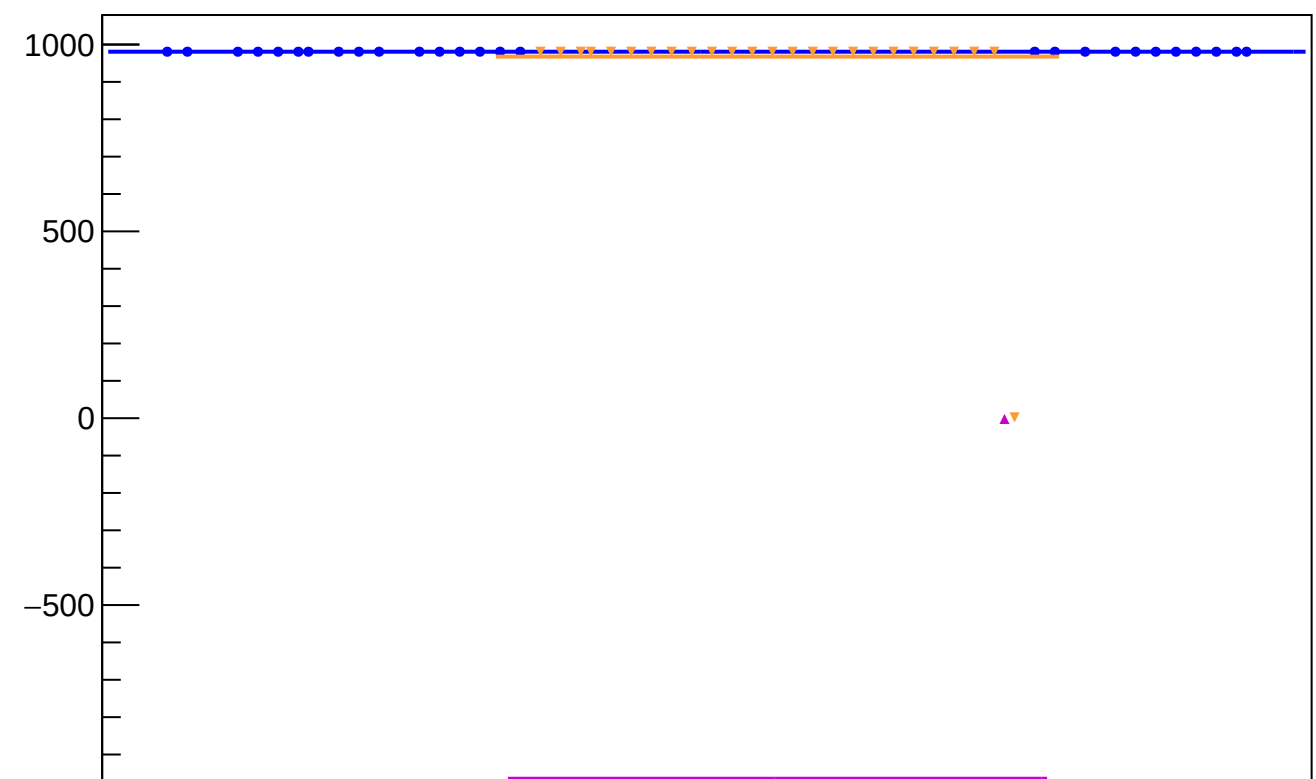
Right: -37.107+/-0.000 χ^2/NDF: 29255550530492 09

In: -67.402+/-0.000 χ^2/NDF:301838154670037 64

Out: 58.069+/-0.000 χ^2/NDF:323957889581590 64

All: -2.419+/-0.000 χ^2/NDF: 628670988287 1


HacL_D1_HP3458A_IOUT_mean vs Slug, Sign Corrected
800
600
400
200
0
−200
−400
−600
−800
100
120
140
160
180
200
Right In: 741.280+/-0.000 χ²/NDF: 12146239673521979514041079640883 2.0/26
Left Out: 741.513+/-0.000 χ²/NDF:25197631076812629623188960051 2.0/24
Right Out: -741.277+/-0.000 χ²/NDF: 13092324075274299098841690511 7696.0/31
Left In: -741.513+/-0.000 χ²/NDF:23470398303008542318589588 2752.0/22
Left: 21.165+/-0.000 χ²/NDF: 21558191183425632
Right: -32.798+/-0.000 χ²/NDF: 185913786637759
In: -60.252+/-0.000 χ²/NDF:19253805436237503
Out: 48.657+/-0.000 χ²/NDF:20732122813573705
All: -3.847+/-0.000 χ²/NDF: 4020253204299



Left: 28.991+/-0.000 χ^2/NDF: 3715452335680680

Right In: 980.806+/-0.000 χ^2/NDF: 1854101372643293583221177974784.0/26

Right: -43.384+/-0.000 χ^2/NDF: 325463762852705

Left Out: 967.677+/-0.000 χ^2/NDF:2550515560327992564154129577963369267 2.0/24

In: -70.932+/-0.000 χ^2/NDF:33442613953121031

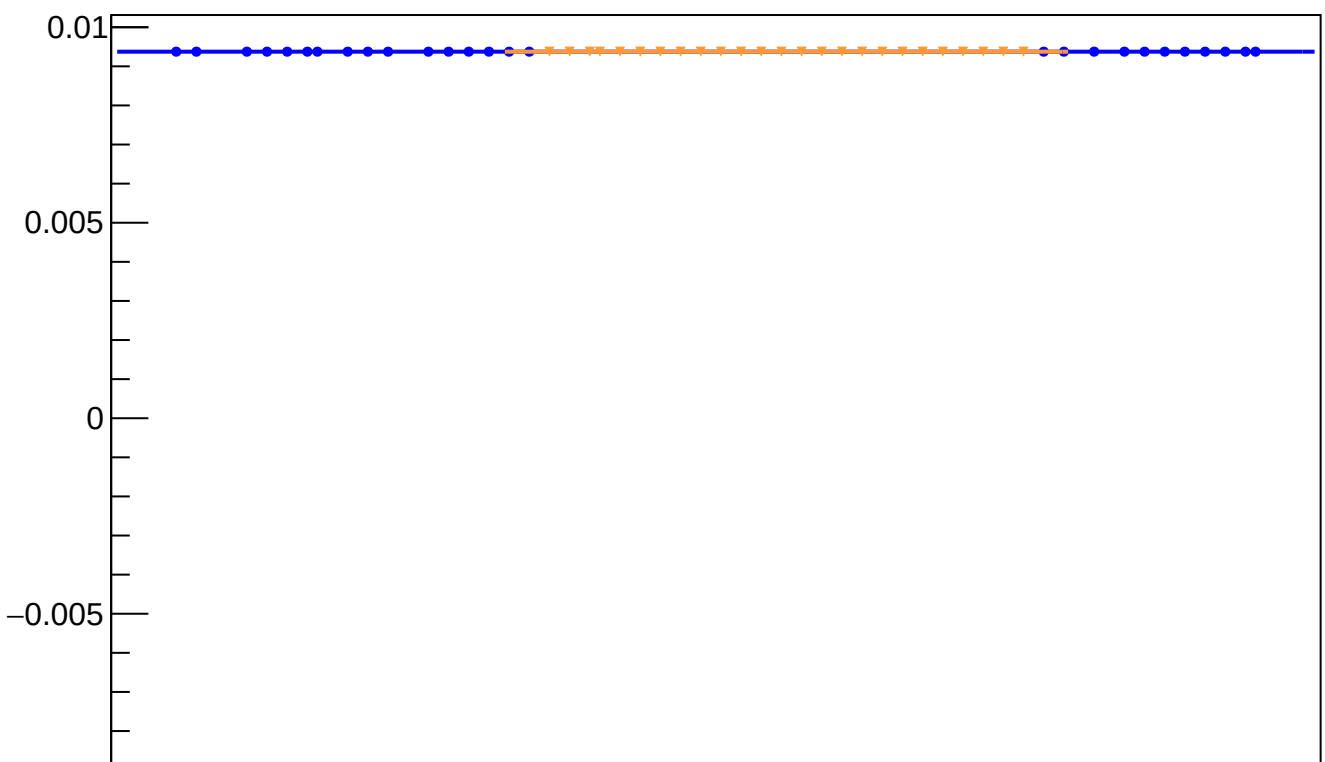
Right Out: -980.779+/-0.000 χ^2/NDF: 6341062901203636048962805510963 2.0/31

Out: 57.232+/-0.000 χ^2/NDF:36053591991681716

Left In: -964.854+/-0.000 χ^2/NDF:2921583896010307878411284562824501 6576.0/22

All: -4.555+/-0.000 χ^2/NDF: 6979616831675

MQ172RM_mean vs Slug, Sign Corrected



Right In: 0.009+/-0.000 χ^2/NDF: 0.2/26

Left Out: 0.009+/-0.000 χ^2/NDF:0.1/24

Right Out: -0.009+/-0.000 χ^2/NDF: 0.3/31

Left In: -0.009+/-0.000 χ^2/NDF:0.1/22

Left: 0.000+/-0.000 χ^2/NDF: 344601849197246623

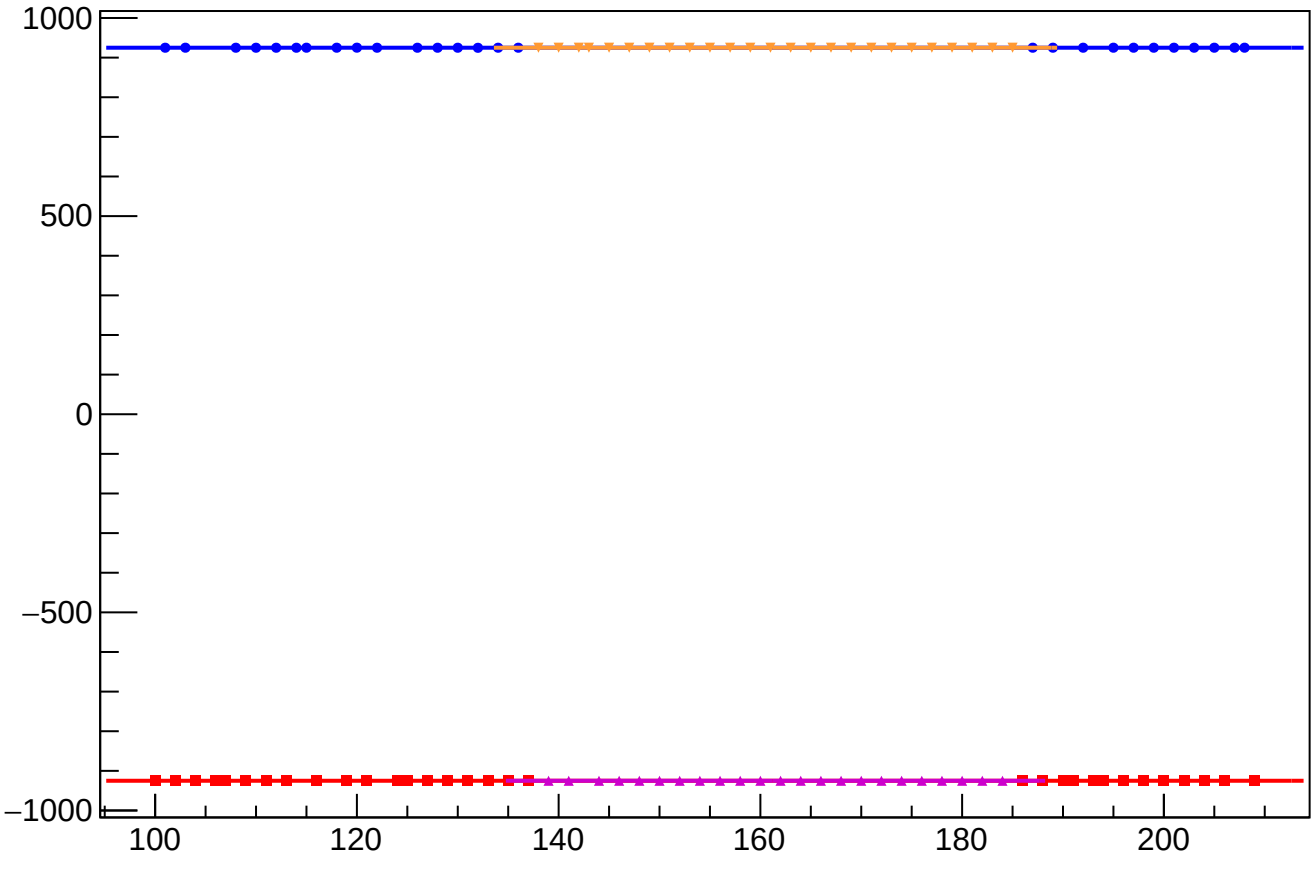
Right: -0.000+/-0.000 χ^2/NDF: 2973658738938045

In: -0.001+/-0.000 χ^2/NDF:307863460720362197

Out: 0.001+/-0.000 χ^2/NDF:331502648165257893

All: -0.000+/-0.000 χ^2/NDF: 6428146790401

HacR_Q2_HP3458A_IOUT_mean vs Slug, Sign Corrected



Right In: 924.994+/-0.000 χ^2/NDF: 37164367554339122634424026398720.0/26

Left Out: 924.983+/-0.000 χ^2/NDF:1161112698344246137667167715328.0/24

Right Out: -924.996+/-0.000 χ^2/NDF: 19743416820564768993039718809600.0/31

Left In: -924.983+/-0.000 χ^2/NDF:92827030718158770136834847539 2.0/22

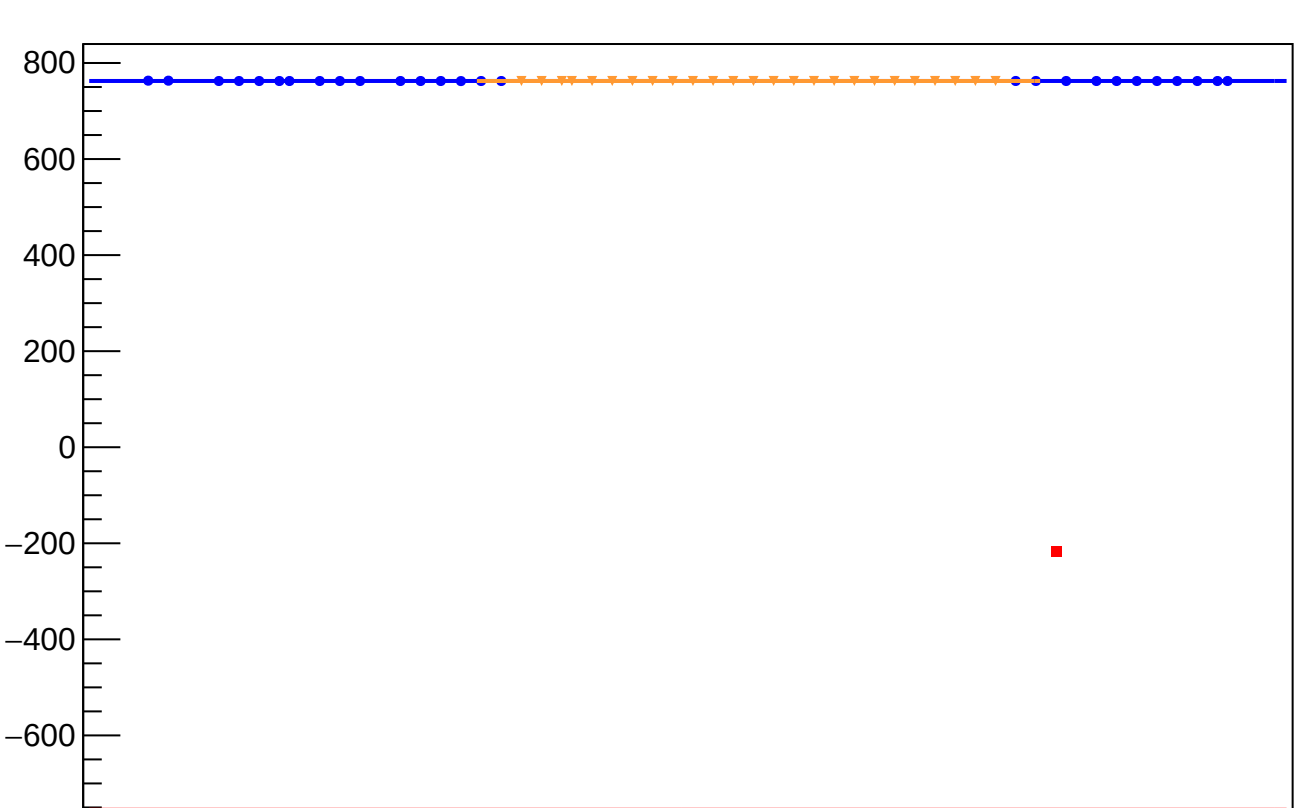
Left: 26.401+/-0.000 χ^2/NDF: 33546151426363744

Right: -40.930+/-0.000 χ^2/NDF: 2894857887874767

In: -75.022+/-0.000 χ^2/NDF:29970105391413800

Out: 60.553+/-0.000 χ^2/NDF:32271421818792599

All: -4.806+/-0.000 χ^2/NDF: 6257718322074



Right In: 762.565+/-0.000 χ^2/NDF: 553333050346417986503023672688640/26

Left Out: 762.518+/-0.000 χ^2/NDF:767703709161817083348479115264.0/24

Right Out: -754.868+/-0.000 χ^2/NDF: 7334294226035656782418278862888632320.0/31

Left In: -762.519+/-0.000 χ^2/NDF:67064753778125939445211961753 6.0/22

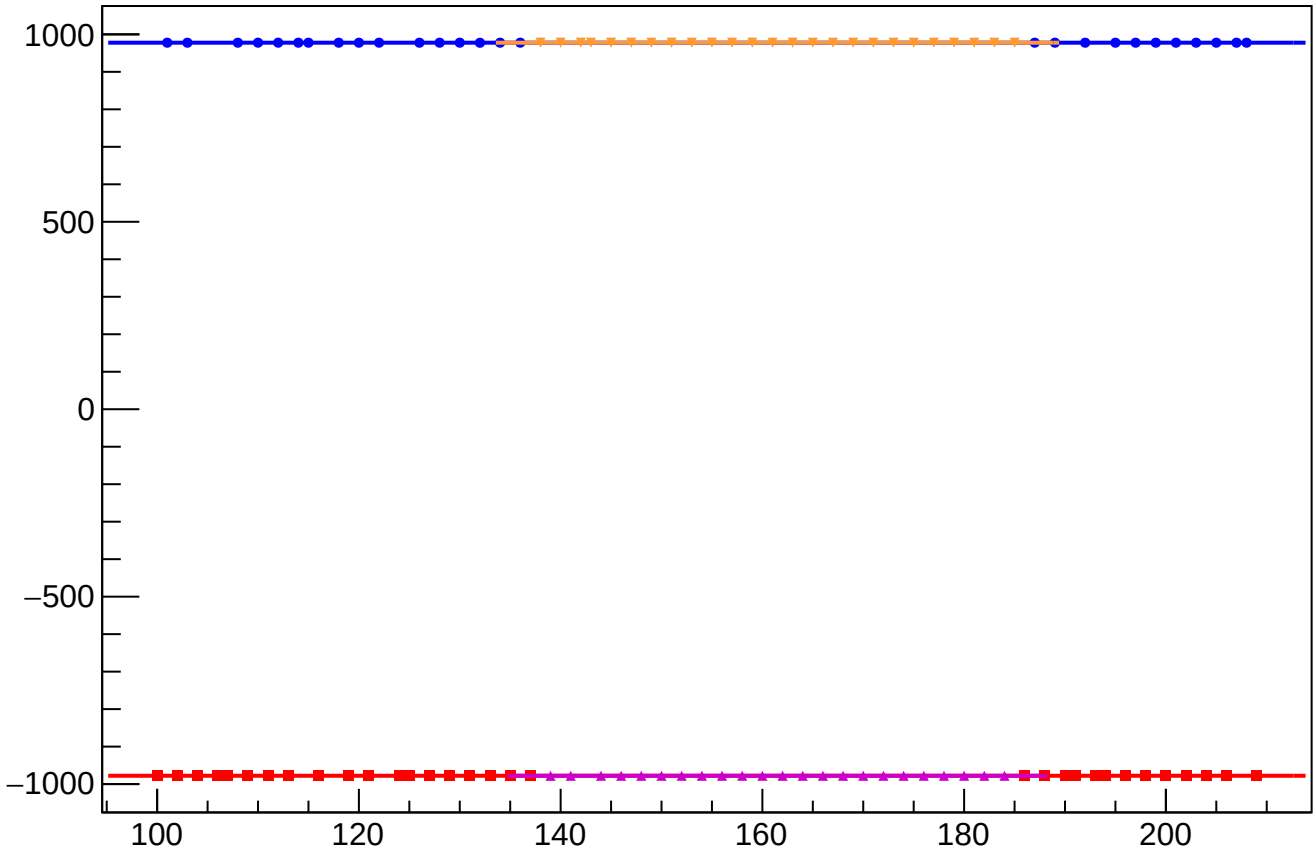
Left: 21.764+/-0.000 χ^2/NDF: 22796901664040585

Right: -29.723+/-0.000 χ^2/NDF: 1954970052176574

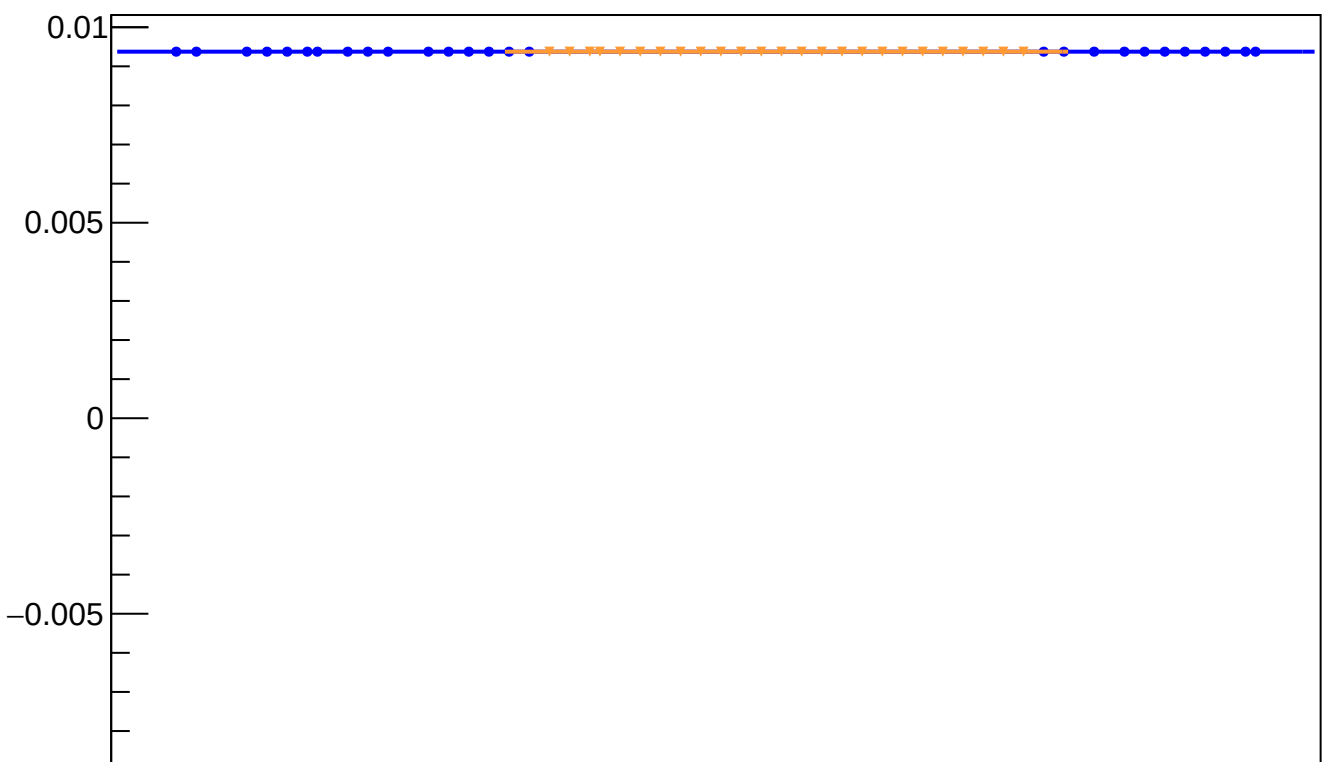
In: -61.828+/-0.000 χ^2/NDF:20367755593600533

Out: 53.497+/-0.000 χ^2/NDF:21784185271524812

All: -2.100+/-0.000 χ^2/NDF: 4239481496355


HacR_Q3_HP3458A_IOUT_mean vs Slug, Sign Corrected
1000
500
0
−500
−1000
100
120
140
160
180
200
Right In: 977.760+/-0.000 χ²/NDF: 2213759602355522943705252102144.0/26
Left Out: 977.738+/-0.000 χ²/NDF:1178407872566336572325000904704.0/24
Right Out: -977.757+/-0.000 χ²/NDF: 2846930098930716535495453573120.0/31
Left In: -977.735+/-0.000 χ²/NDF:109676643760541725462707254067 2.0/22
Left: 27.908+/-0.000 χ²/NDF: 3748164275708314
Right: -43.262+/-0.000 χ²/NDF: 3234532784003855
In: -79.295+/-0.000 χ²/NDF:33486440204303013
Out: 64.003+/-0.000 χ²/NDF:36057665953089550
All: -5.079+/-0.000 χ²/NDF: 6991909411887

hesDipole_current_mean vs Slug, Sign Corrected



Right In: 0.009+/-0.000 χ^2/NDF: 0.2/26

Left Out: 0.009+/-0.000 χ^2/NDF:0.1/24

Right Out: -0.009+/-0.000 χ^2/NDF: 0.3/31

Left In: -0.009+/-0.000 χ^2/NDF:0.1/22

Left: 0.000+/-0.000 χ^2/NDF: 344601849197246623

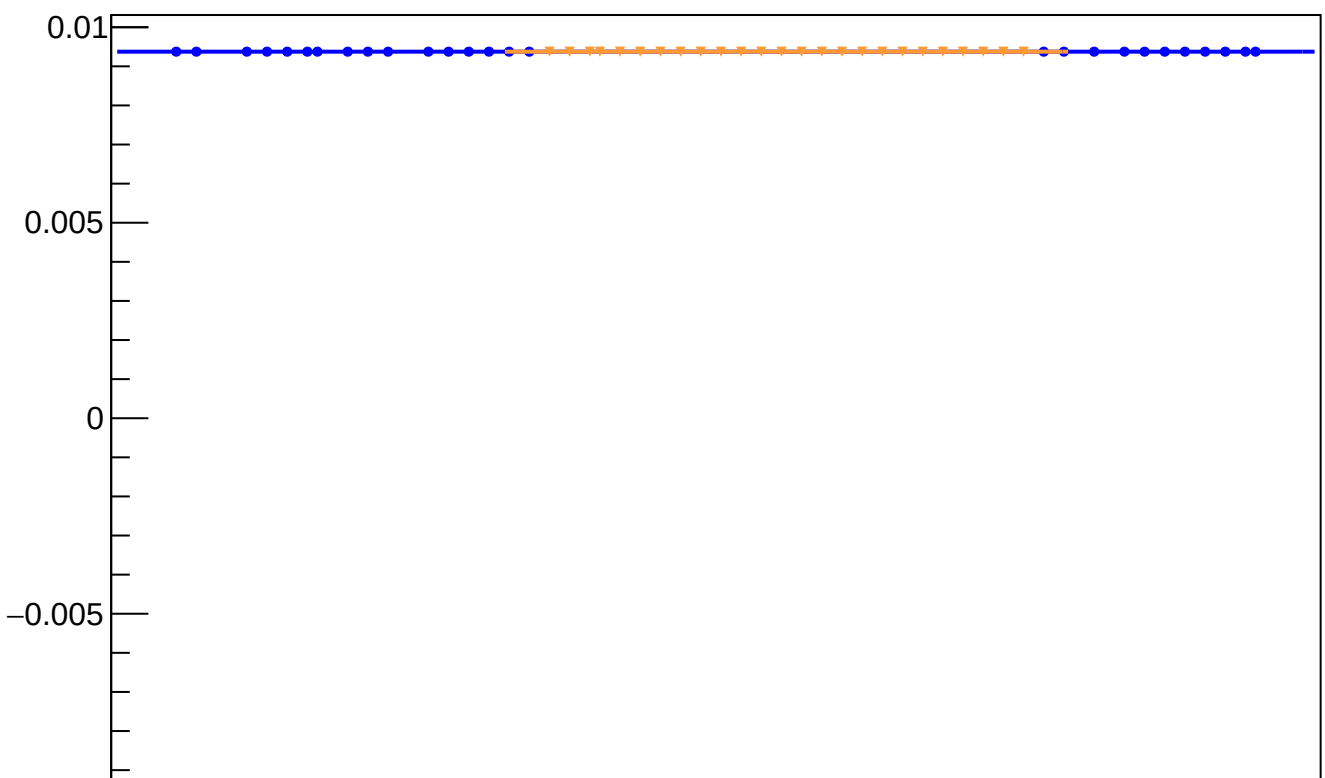
Right: -0.000+/-0.000 χ^2/NDF: 2973658738938045

In: -0.001+/-0.000 χ^2/NDF:307863460720362197

Out: 0.001+/-0.000 χ^2/NDF:331502648165257893

All: -0.000+/-0.000 χ^2/NDF: 6428146790401

MSUPERBIGBITEreadcalc_mean vs Slug, Sign Corrected



Right In: 0.009+/-0.000 χ^2/NDF: 0.2/26

Left Out: 0.009+/-0.000 χ^2/NDF:0.1/24

Right Out: -0.009+/-0.000 χ^2/NDF: 0.3/31

Left In: -0.009+/-0.000 χ^2/NDF:0.1/22

Left: 0.000+/-0.000 χ^2/NDF: 344601849197246623

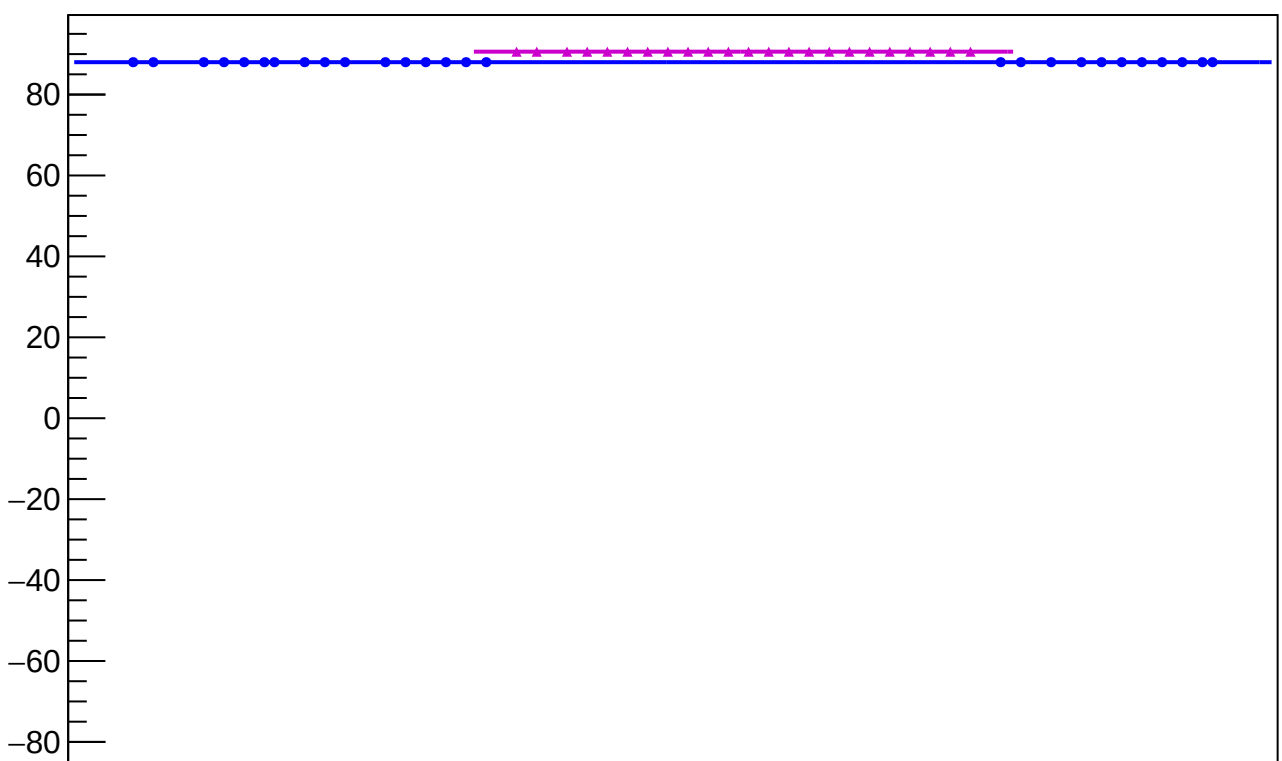
Right: -0.000+/-0.000 χ^2/NDF: 2973658738938045

In: -0.001+/-0.000 χ^2/NDF:307863460720362197

Out: 0.001+/-0.000 χ^2/NDF:331502648165257893

All: -0.000+/-0.000 χ^2/NDF: 6428146790401

VWienAngle_mean vs Slug, Sign Corrected



Right In: 88.001+/-0.000 χ^2/NDF: 2990047.9/26

Left Out: -90.599+/-0.000 χ^2/NDF:5219558.1/24

Right Out: -88.002+/-0.000 χ^2/NDF: 764000972869077017607526154240/31

Left In: 90.599+/-0.000 χ^2/NDF:7520558.1/22

Left: -2.586+/-0.000 χ^2/NDF: 32182865130583949

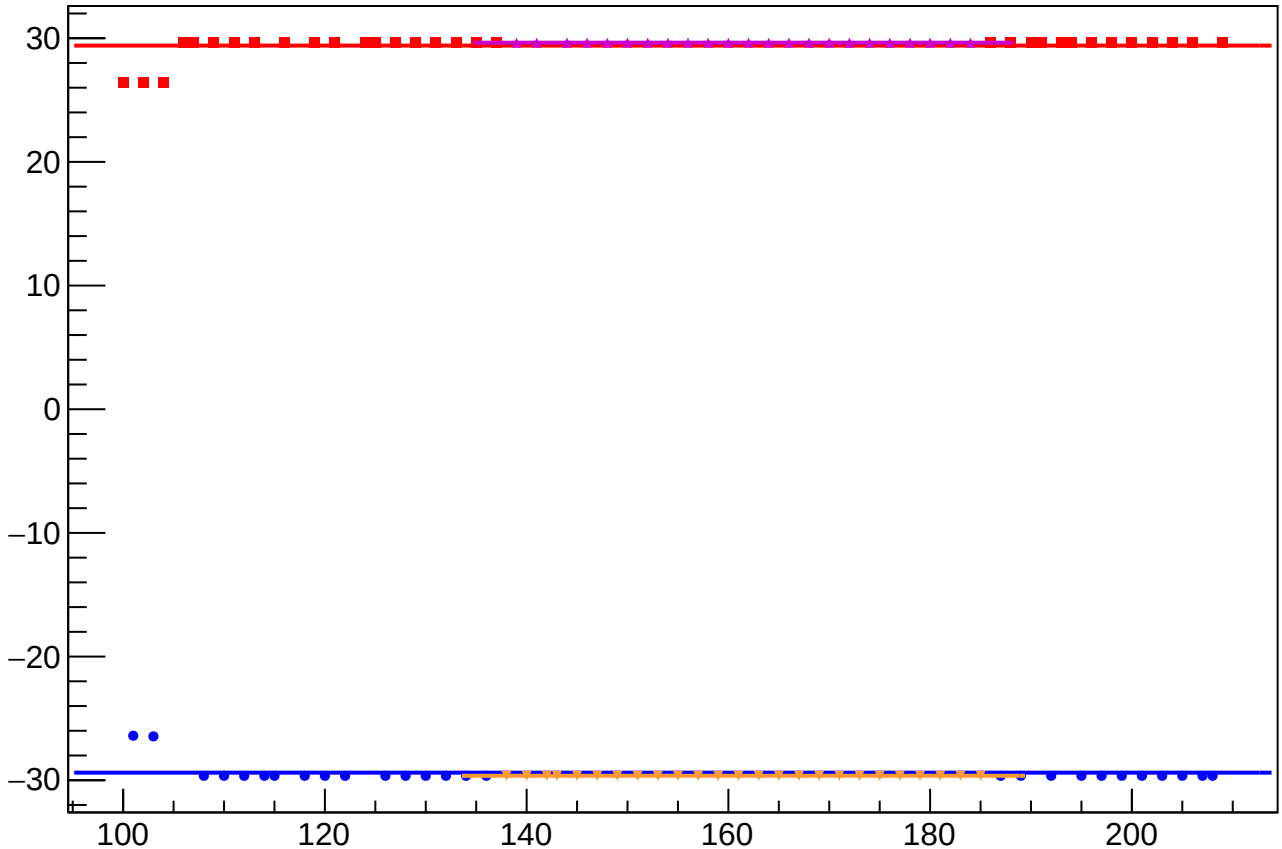
Right: -3.894+/-0.000 χ^2/NDF: 2620152754332161

In: 89.405+/-0.000 χ^2/NDF:591333362268388727

Out: -89.386+/-0.000 χ^2/NDF:6361753027867913

All: -3.192+/-0.000 χ^2/NDF: 5838750684611

HWienAngle_mean vs Slug, Sign Corrected



Right In: -29.387+/-0.000 χ^2/NDF: 12183483085714309473575653028659 20.0/26

Left Out: -29.641+/-0.000 χ^2/NDF:409122.2/24

Right Out: 29.405+/-0.000 χ^2/NDF: 125549516745762903994107810965 0944.0/31

Left In: 29.641+/-0.000 χ^2/NDF:290780.4/22

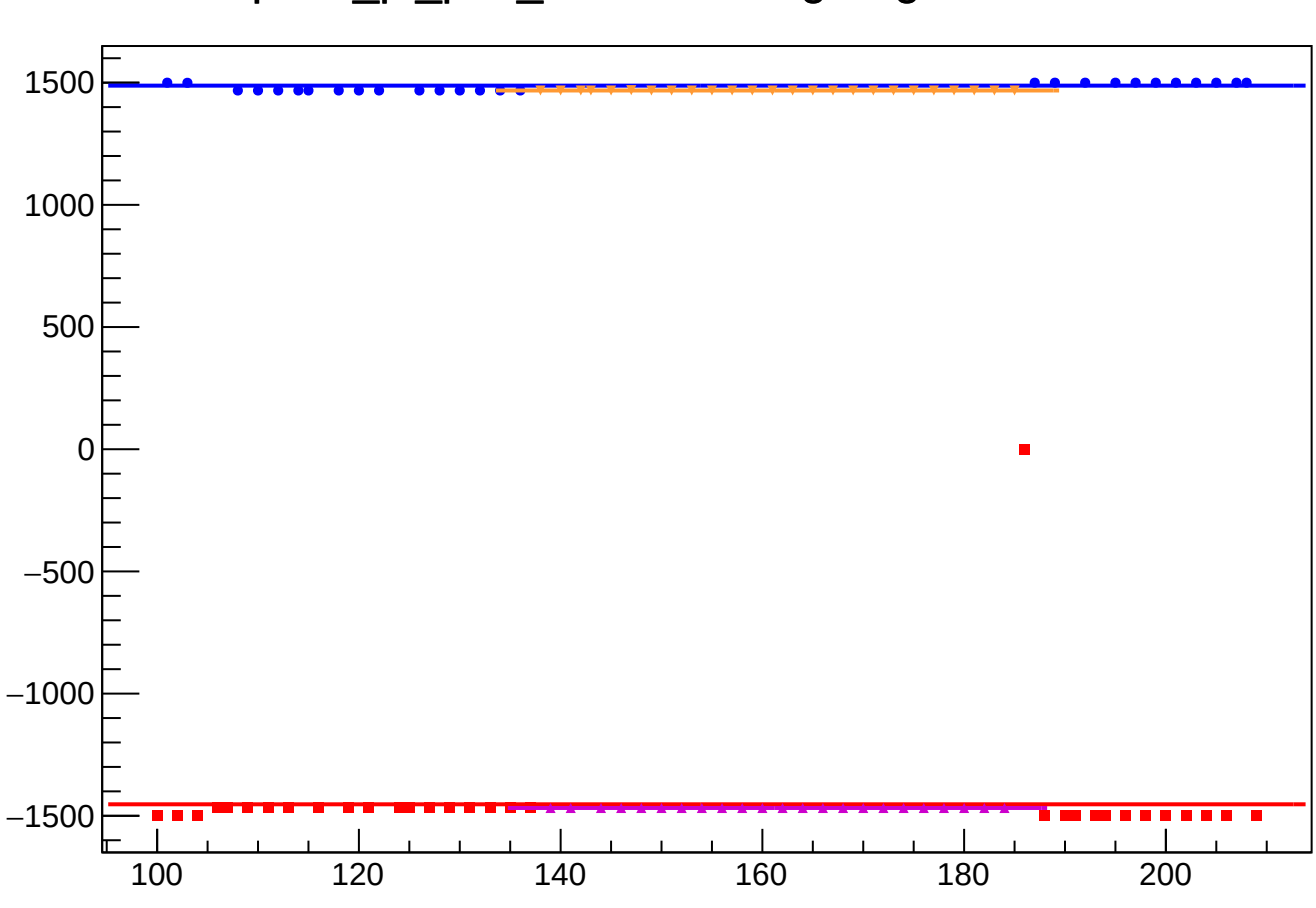
Left: -0.846+/-0.000 χ^2/NDF: 34447051473431892

Right: 1.310+/-0.000 χ^2/NDF: 29260490899347203

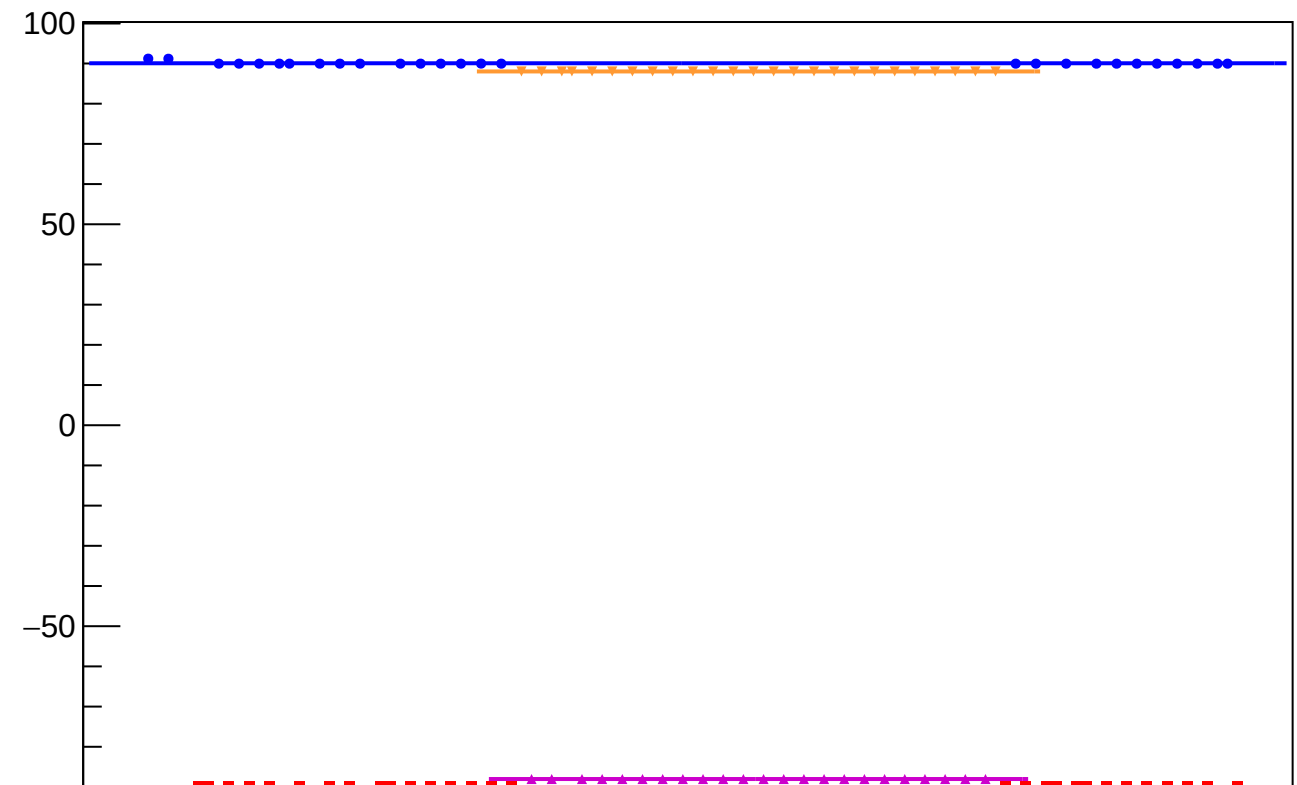
In: 2.521+/-0.000 χ^2/NDF:3052364443796883602

Out: -2.051+/-0.000 χ^2/NDF:32886717130038351

All: 0.153+/-0.000 χ^2/NDF: 6379205573824


psub_pl_pos_mean vs Slug, Sign Corrected
1500
1000
500
0
−500
−1000
−1500
100
120
140
160
180
200
Right In: 1487.864+/-0.000 χ²/NDF: 3899507362013722183631294606134476800.0/26
Left Out: 1468.051+/-0.000 χ²/NDF:139558223587677068165594208010240.0/24
Right Out: -1452.938+/-0.000 χ²/NDF: 912286017400647151506523238592066766592.0/31
Left In: -1467.994+/-0.000 χ²/NDF:1554938089860967537552245391360/22
Left: 41.929+/-0.000 χ²/NDF: 84496793302930950
Right: -47.599+/-0.000 χ²/NDF: 7406716964671023
In: -109.942+/-0.000 χ²/NDF:7651468709093291
Out: 103.175+/-0.000 χ²/NDF:8136563699587707
All: 0.433+/-0.000 χ²/NDF: 1587097409370

Phi_FG_mean vs Slug, Sign Corrected



Right In: 90.057+/-0.000 χ^2/NDF: 178330515164460210372850338496512.0/26

Left Out: 88.021+/-0.000 χ^2/NDF:5113333.3/24

Right Out: -90.050+/-0.000 χ^2/NDF: 183894353898330433033318864781312.0/31

Left In: -88.021+/-0.000 χ^2/NDF:7159272.4/22

Left: 2.512+/-0.000 χ^2/NDF: 303769885681723848

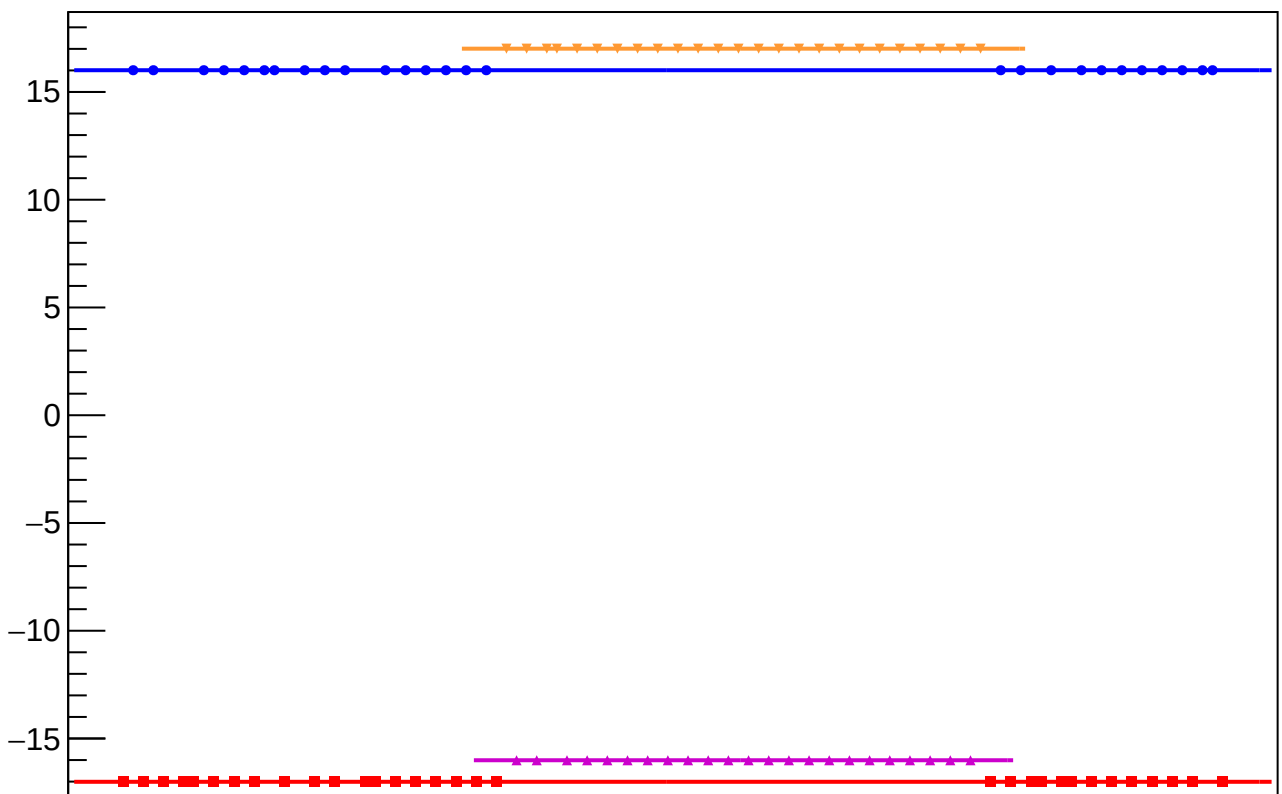
Right: -3.981+/-0.000 χ^2/NDF: 2743807225725712

In: -6.204+/-0.000 χ^2/NDF:277700822724741906

Out: 4.815+/-0.000 χ^2/NDF:29899950216833740

All: -0.497+/-0.000 χ^2/NDF: 5789174576403

IGL1I00DI24_24M_mean vs Slug, Sign Corrected



Right In: 16.009+/-0.000 χ^2/NDF: 1060716973837332586168 32.0/26

Left Out: 17.009+/-0.000 χ^2/NDF:279903456758836896737525 76.0/24

Right Out: -17.009+/-0.000 χ^2/NDF: 202009179309492191237242 88.0/31

Left In: -16.009+/-0.000 χ^2/NDF:124687912167063523688448.0/22

Left: 0.967+/-0.000 χ^2/NDF: 9915881080068676 86

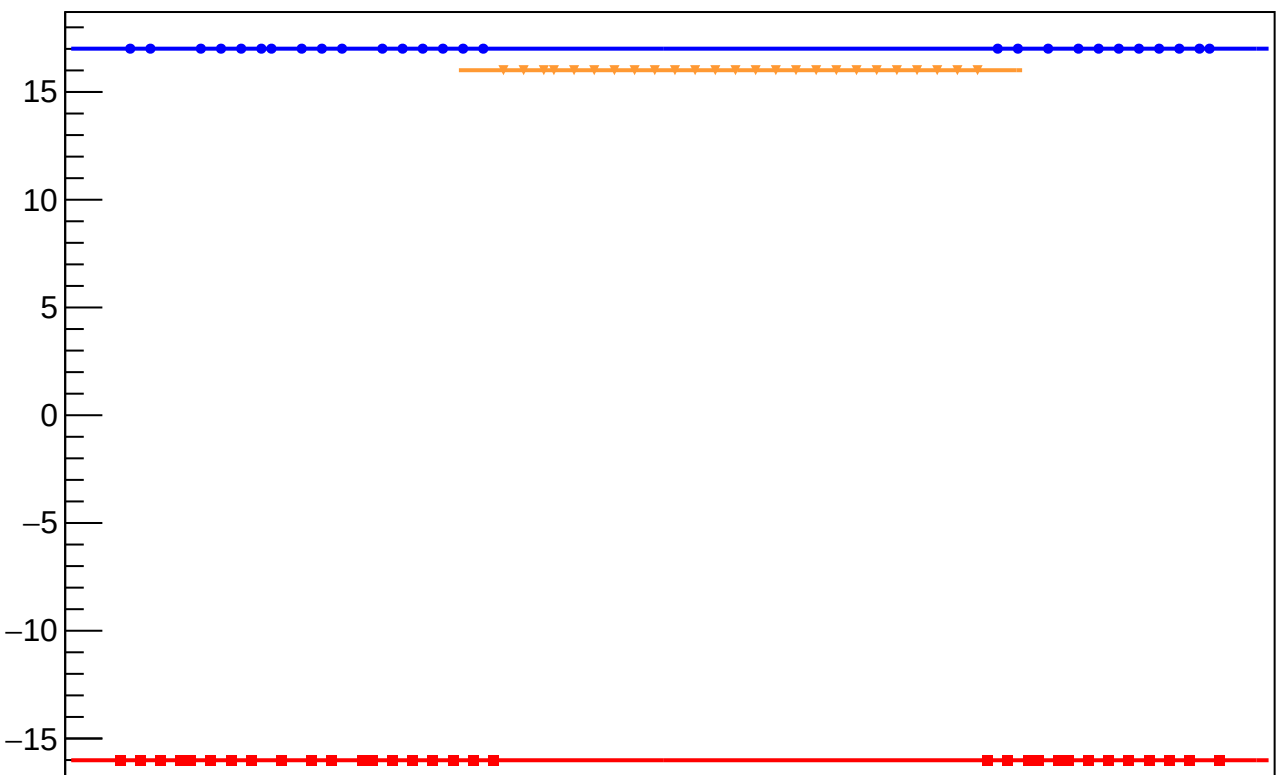
Right: -1.099+/-0.000 χ^2/NDF: 893087079886753 83

In: -0.898+/-0.000 χ^2/NDF:855901013628170247

Out: 0.819+/-0.000 χ^2/NDF:103103950270436343

All: -0.012+/-0.000 χ^2/NDF: 1892039636536

IGL1I00OD16_16_mean vs Slug, Sign Corrected



Right In: 17.009+/-0.000 χ^2/NDF: 106091170477254054510592.0/26

Left Out: 16.009+/-0.000 χ^2/NDF:2818892758481805649117184.0/24

Right Out: -16.009+/-0.000 χ^2/NDF: 586748.4/31

Left In: -17.009+/-0.000 χ^2/NDF:11100710442088156626944O.0/22

Left: 0.066+/-0.000 χ^2/NDF: 104866556030492975

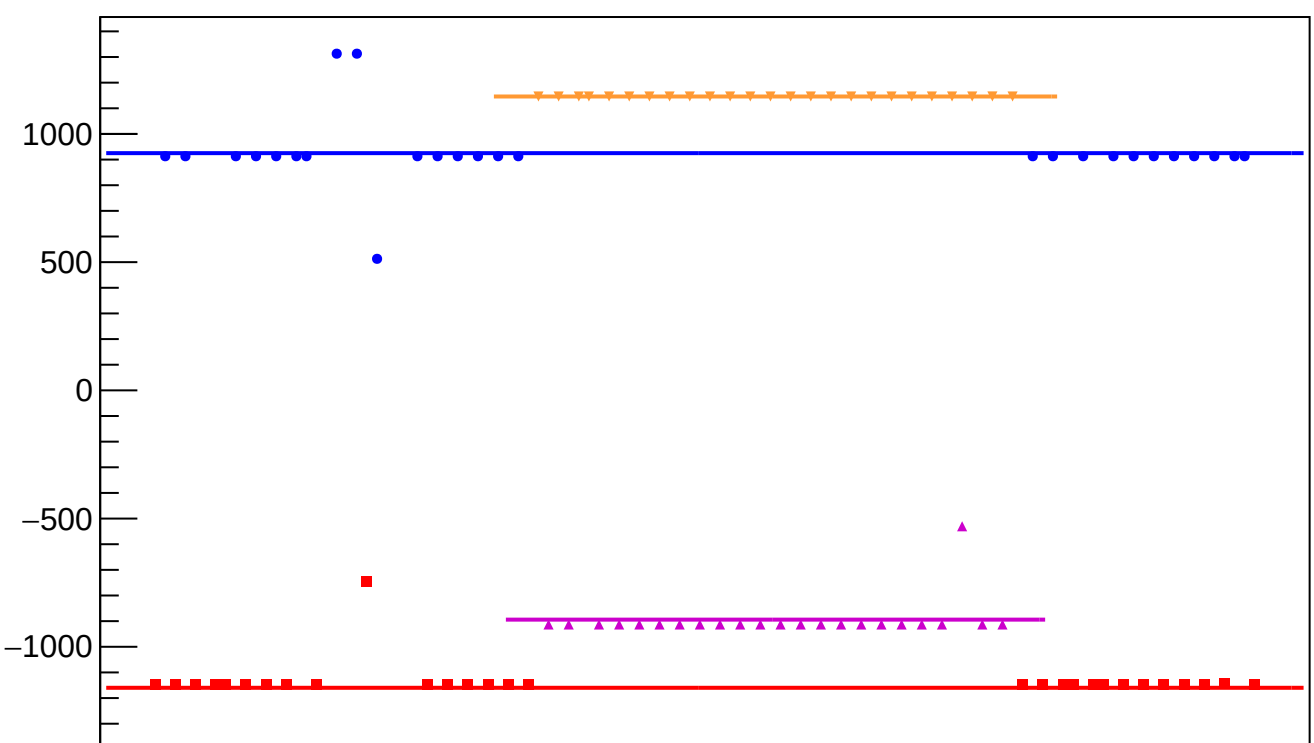
Right: -0.387+/-0.000 χ^2/NDF: 9109846862436998

In: -1.352+/-0.000 χ^2/NDF:990689281316676463

Out: 0.963+/-0.000 χ^2/NDF:959691815893540054

All: -0.145+/-0.000 χ^2/NDF: 1960016881205

RTPAPOSUCNT_mean vs Slug, Sign Corrected



Left: 155.071+/-0.000 χ^2/NDF: 4092819151469536

Right In: 925.094+/-0.000 χ^2/NDF: 213642510738490691885441011210224926 72.0/26

Right: -163.537+/-0.000 χ^2/NDF: 372104497075790

Left Out: 1146.020+/-0.000 χ^2/NDF:37030712979418714599064306974 72.0/24

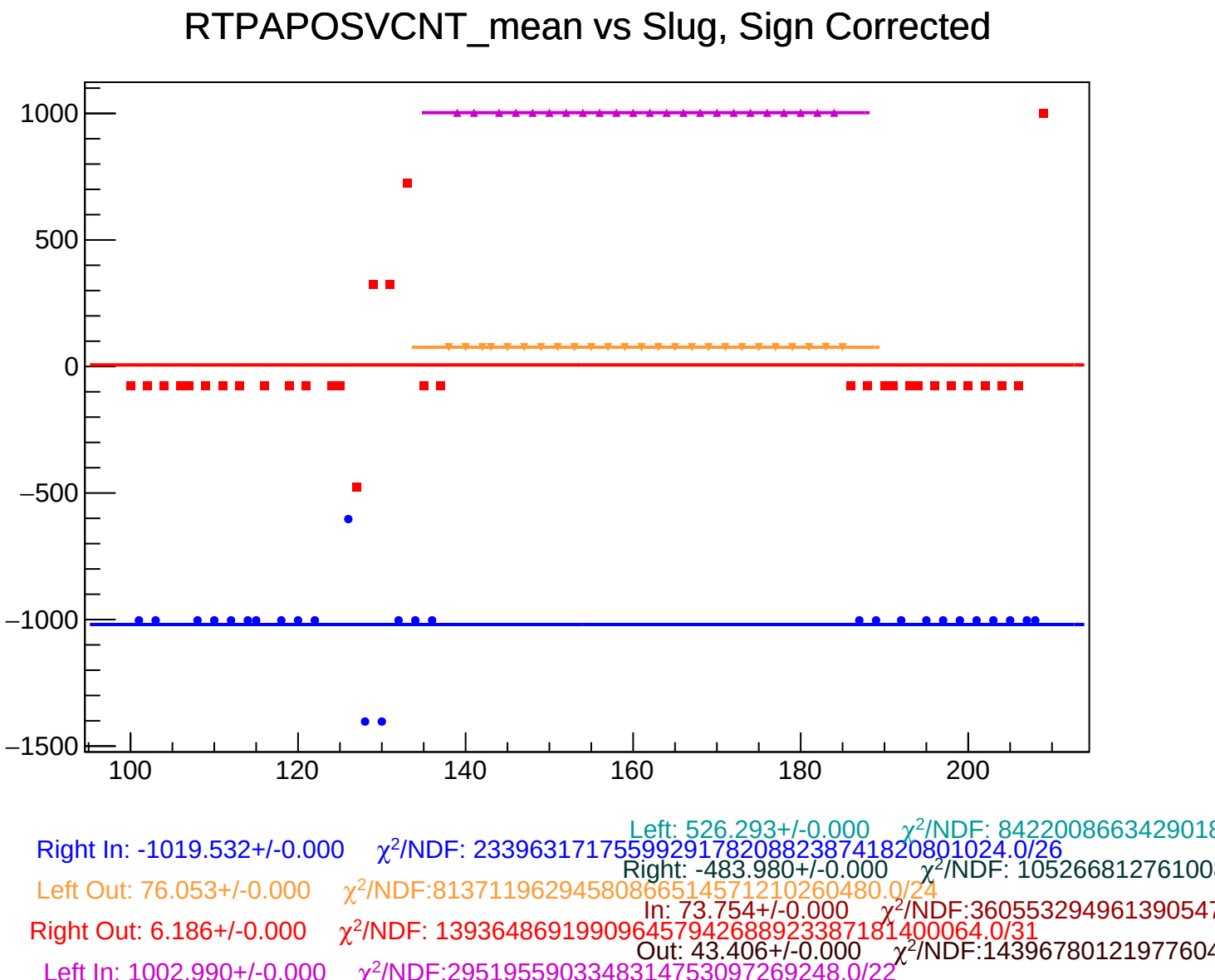
In: -58.286+/-0.000 χ^2/NDF:29325943742461370

Right Out: -1159.911+/-0.000 χ^2/NDF: 22604661506374465637408453400255791104.0/31

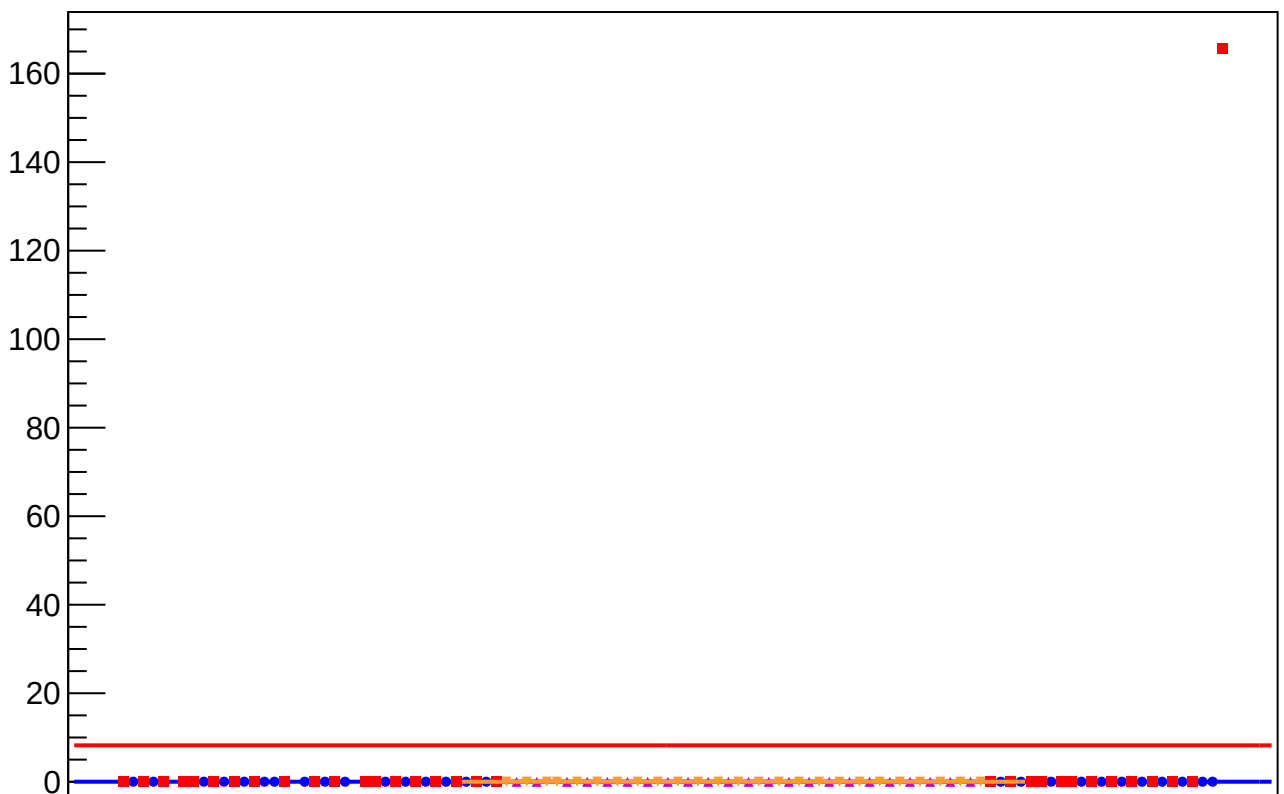
Out: 68.539+/-0.000 χ^2/NDF:50365210384097191

Left In: -894.107+/-0.000 χ^2/NDF:13107238299211712783896183802964213760.0/22

All: 7.398+/-0.000 χ^2/NDF: 799488351157


RTPAPOSVCNT_mean vs Slug, Sign Corrected
1000
500
0
−500
−1000
−1500
100
120
140
160
180
200
Left: 526.293+/-0.000 χ²/NDF: 8422008663429018
Right In: -1019.532+/-0.000 χ²/NDF: 233963171755992917820882387418208010 24.0/26
Right: -483.980+/-0.000 χ²/NDF: 10526681276100
Left Out: 76.053+/-0.000 χ²/NDF:8137119629458086651457121026048 0.0/24
In: 73.754+/-0.000 χ²/NDF:360553294961390547
Right Out: 6.186+/-0.000 χ²/NDF: 139364869199096457942688923387181400064.0/31
Out: 43.406+/-0.000 χ²/NDF:1439678012197760
Left In: 1002.990+/-0.000 χ²/NDF:29519559033483147530972692 48.0/22
All: 58.037+/-0.000 χ²/NDF: 375118259602

RTPPITA1CNT_mean vs Slug, Sign Corrected



Right In: 0.009+/-0.000 χ^2/NDF: 0.2/26

Left Out: 0.009+/-0.000 χ^2/NDF:0.1/24

Right Out: 8.226+/-0.000 χ^2/NDF: 22946210369853731229905910961253908 48.0/31

Left In: -0.009+/-0.000 χ^2/NDF:0.1/22

Left: 0.000+/-0.000 χ^2/NDF: 344601849197246623

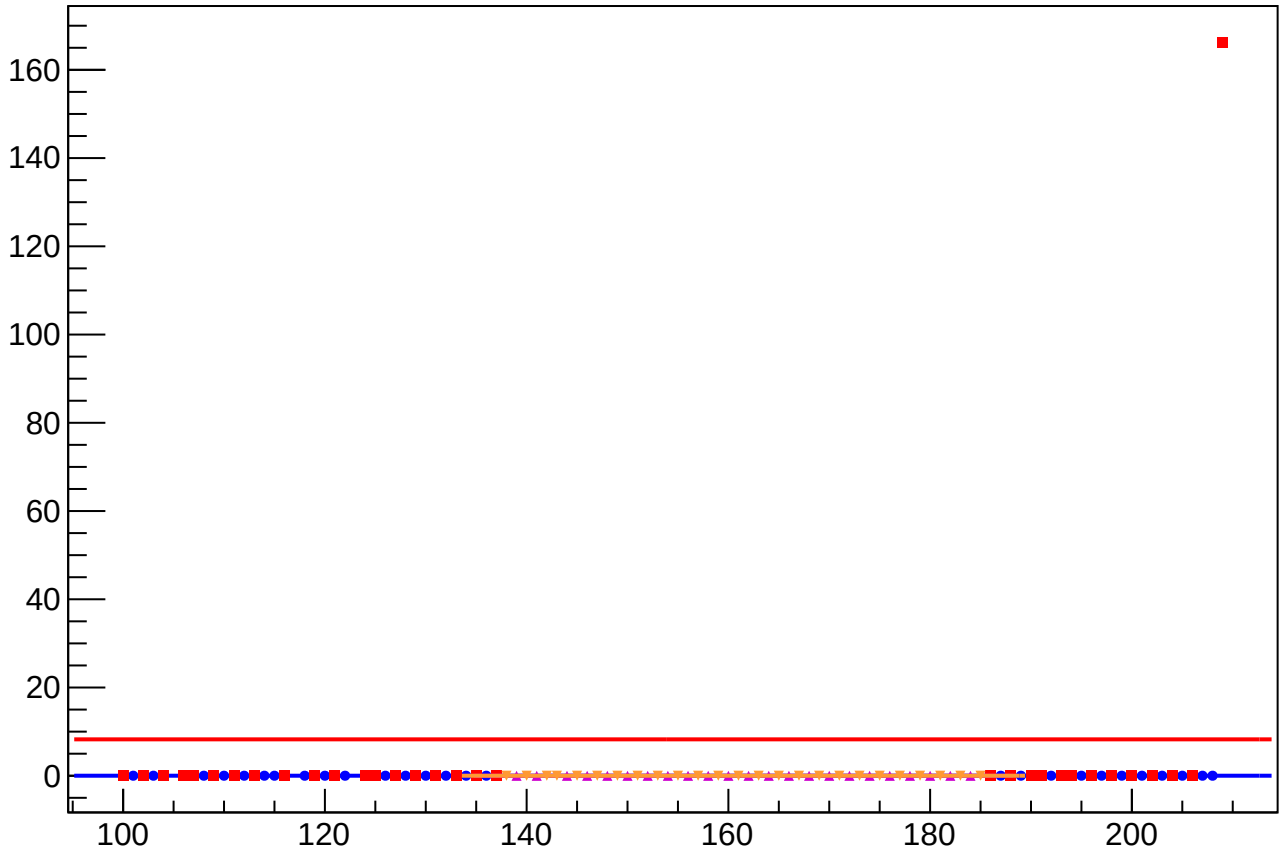
Right: 4.300+/-0.000 χ^2/NDF: 23517298593550284

In: -0.001+/-0.000 χ^2/NDF:307863460720362197

Out: 3.849+/-0.000 χ^2/NDF:235828579313658223

All: 1.993+/-0.000 χ^2/NDF: 23853486324045

RTPPITA2CNT_mean vs Slug, Sign Corrected



Right In: 0.009+/-0.000 χ^2/NDF: 0.2/26

Left Out: 0.009+/-0.000 χ^2/NDF:0.1/24

Right Out: 8.252+/-0.000 χ^2/NDF: 230901292004286992808080314962909593 6.0/31

Left In: -0.009+/-0.000 χ^2/NDF:0.1/22

Left: 0.000+/-0.000 χ^2/NDF: 344601849197246623

Right: 4.313+/-0.000 χ^2/NDF: 23664807480645444

In: -0.001+/-0.000 χ^2/NDF:307863460720362197

Out: 3.861+/-0.000 χ^2/NDF:237307789469525467

All: 1.999+/-0.000 χ^2/NDF: 2400310409709