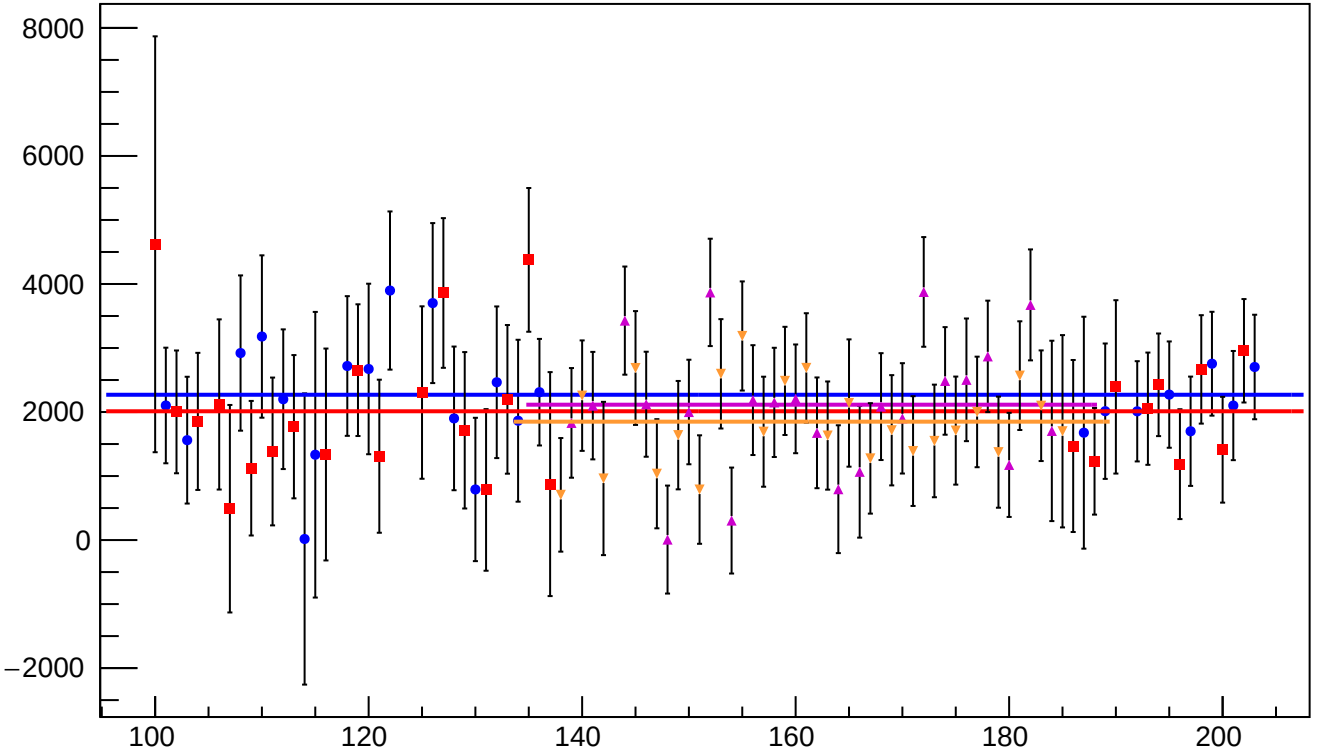
reg_asym_us_avg_mean vs Slug, Sign Corrected



Right In: 2269.762+/-213.670 χ^2/NDF: 9.2/23

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

Right Out: 2011.749+/-208.267 χ^2/NDF: 16.8/26

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

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

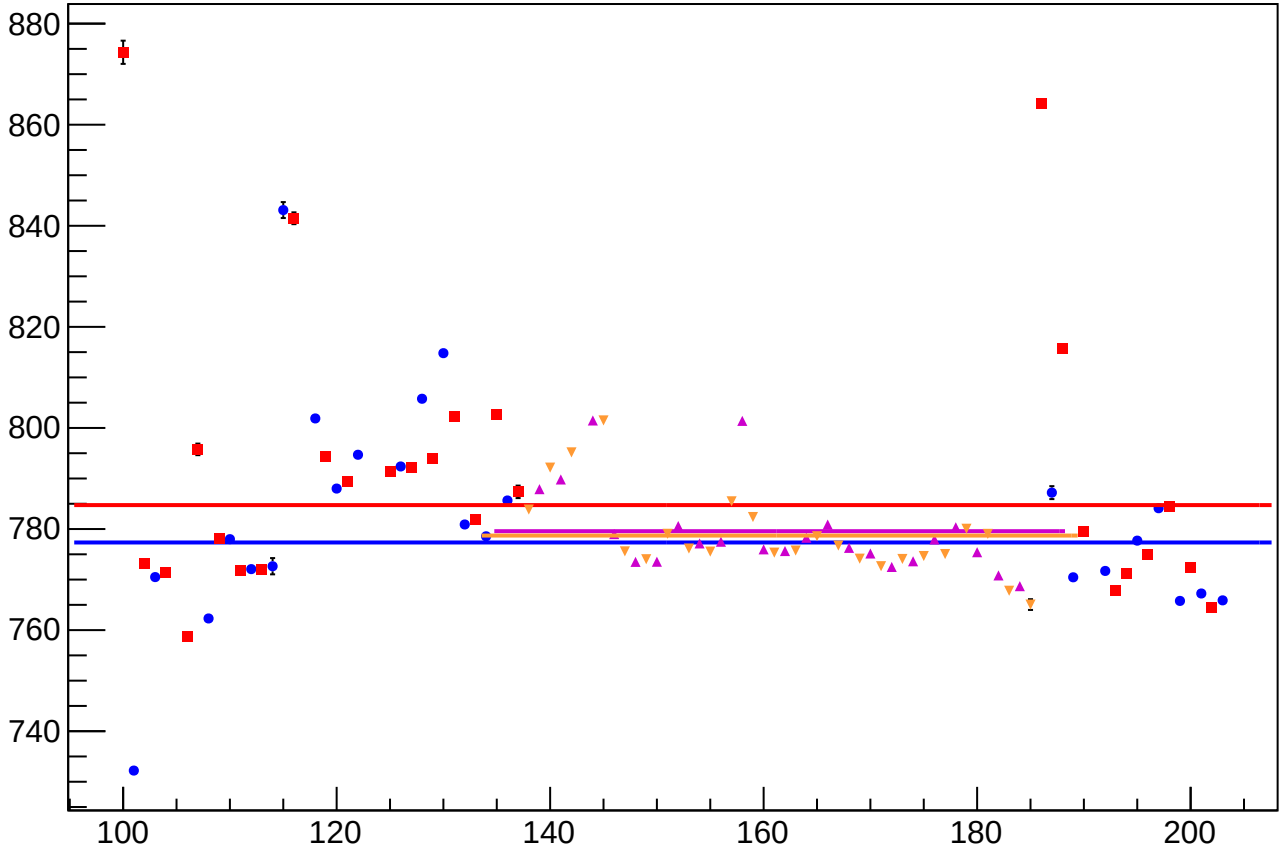
Right: 2137.452+/-149.140 χ^2/NDF: 26.7/50

In: 2179.761+/-138.563 χ^2/NDF:40.6/46

Out: 1919.253+/-136.504 χ^2/NDF:30.0/50

All: 2047.557+/-97.243 χ^2/NDF: 72.3/97

reg_asym_us_avg_rms vs Slug, Sign Corrected



Right In: 777.340+/-0.151 χ^2/NDF: 14214.4/23

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

Right Out: 784.737+/-0.147 χ^2/NDF: 20373.4/26

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

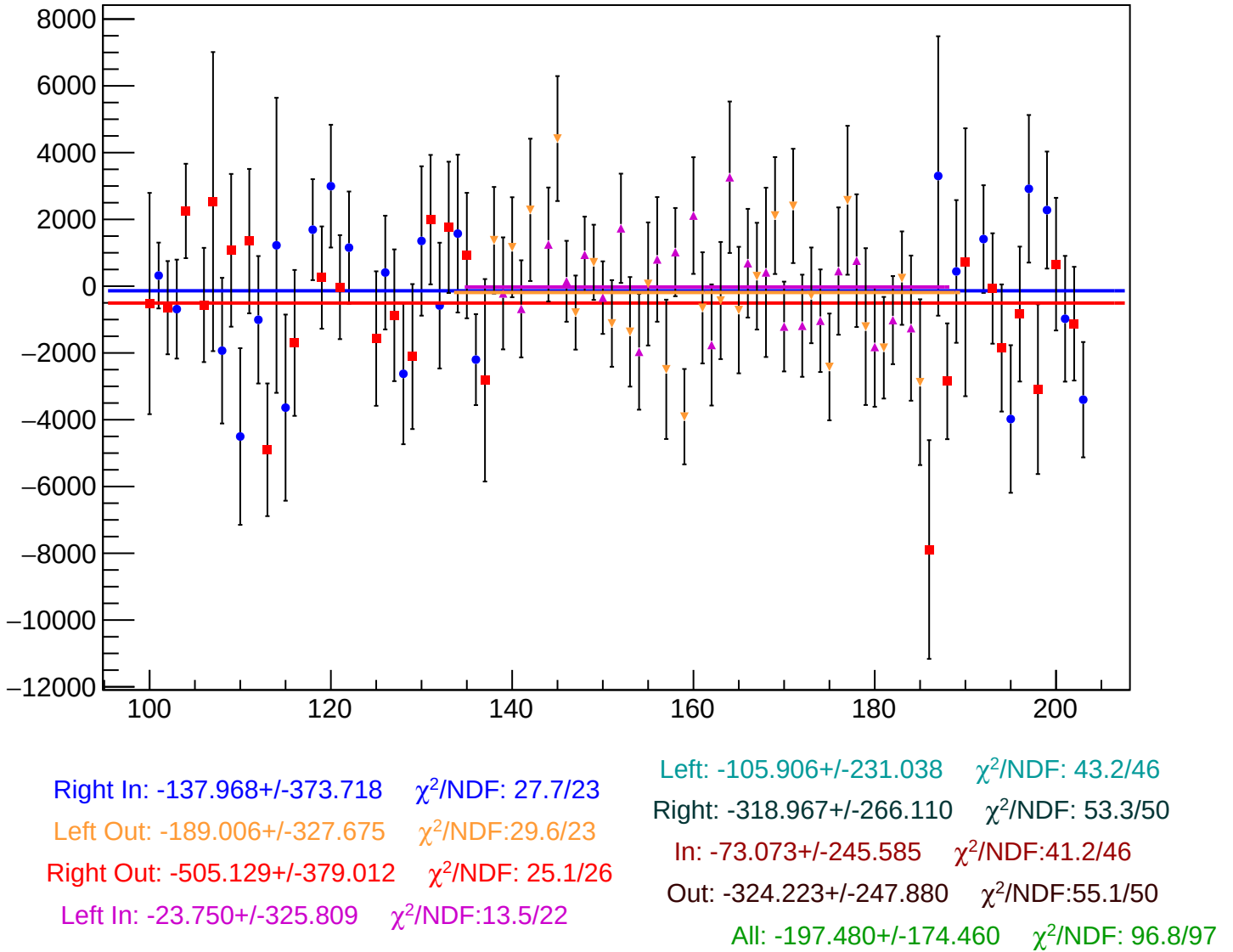
Left: 779.138+/-0.091 χ^2/NDF: 7585.5/46

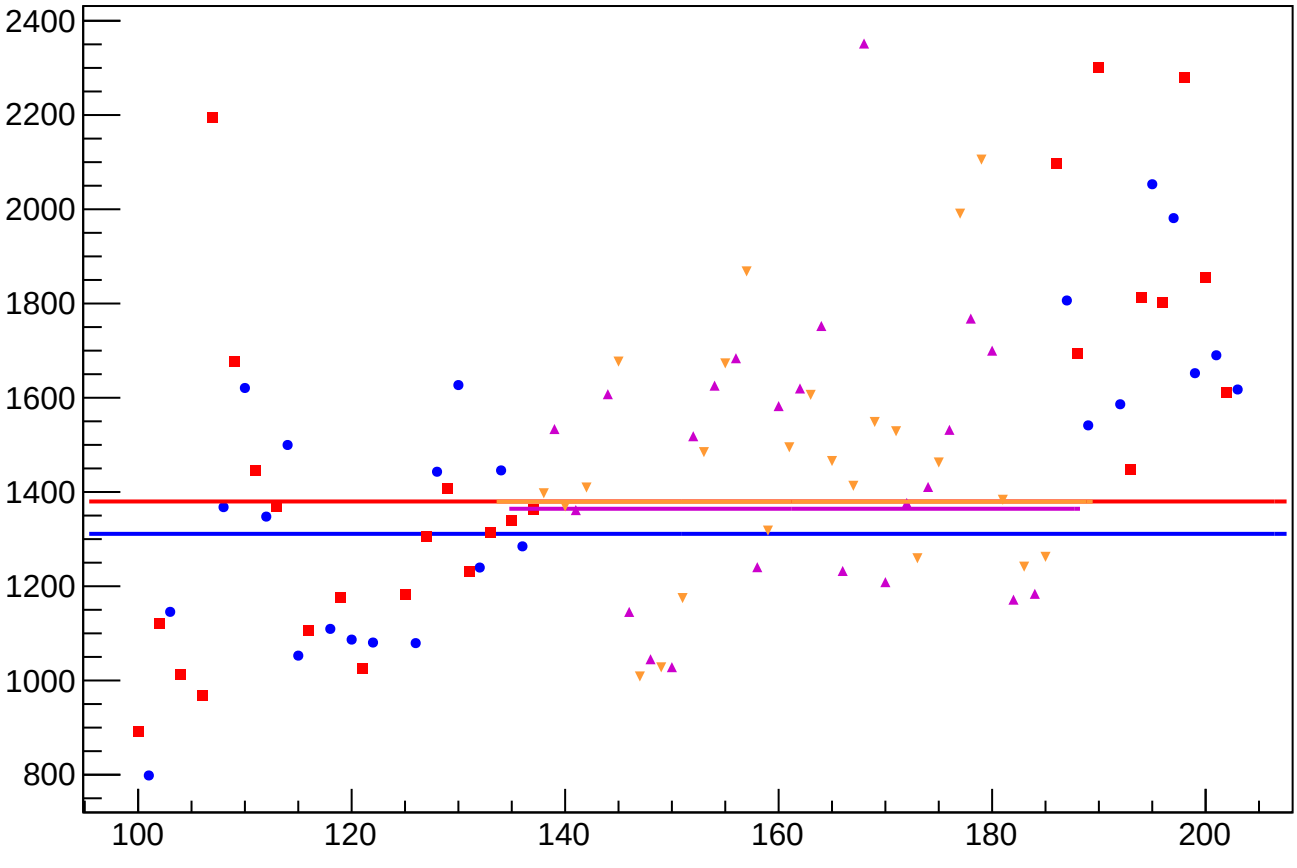
Right: 781.133+/-0.105 χ^2/NDF: 35816.9/50

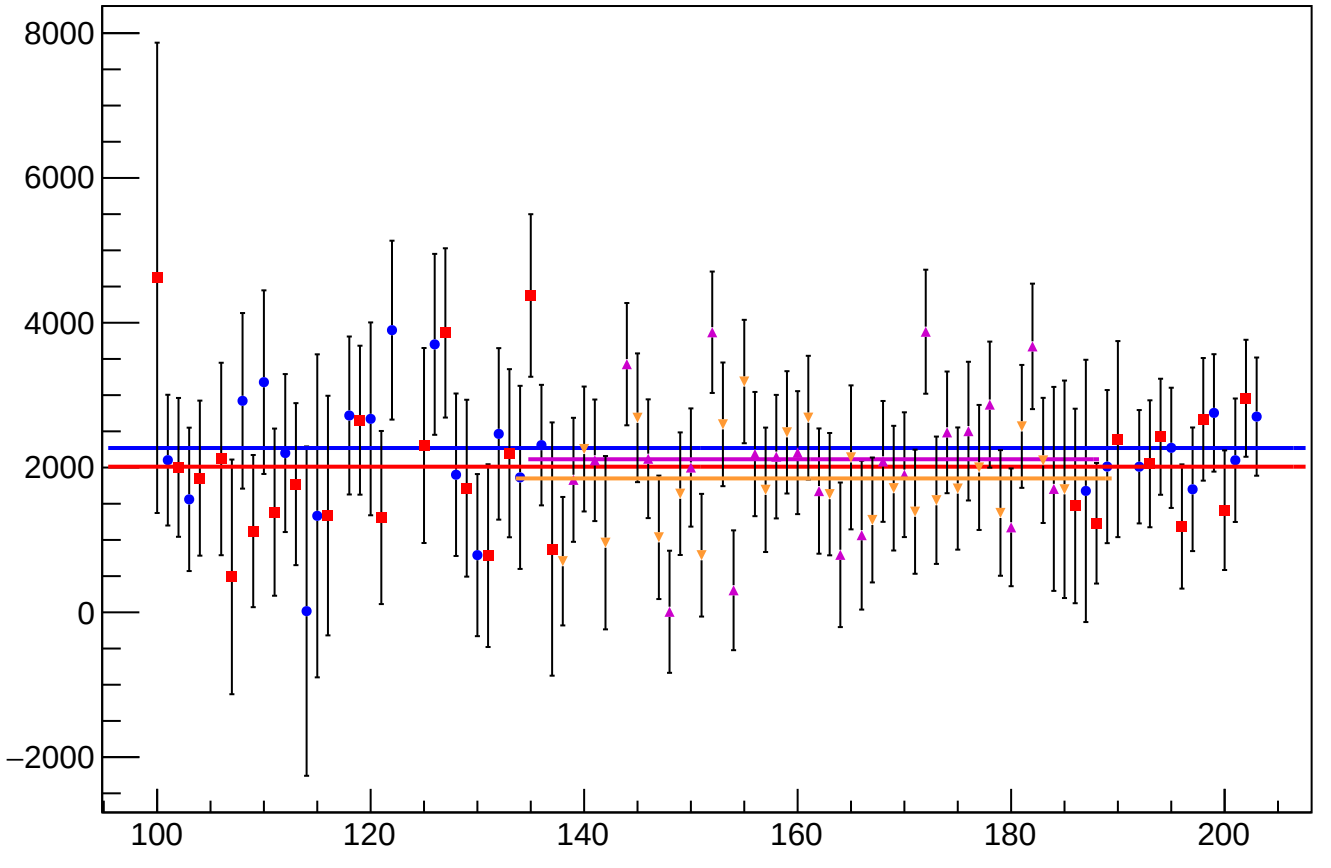
In: 778.635+/-0.098 χ^2/NDF:18514.0/46

Out: 781.298+/-0.097 χ^2/NDF:24719.1/50

All: 779.986+/-0.069 χ^2/NDF: 43608.1/97


asym_us_avg_reg_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: -137.968+/-373.718 χ²/NDF: 27.7/23
Left Out: -189.006+/-327.675 χ²/NDF:29.6/23
Right Out: -505.129+/-379.012 χ²/NDF: 25.1/26
Left In: -23.750+/-325.809 χ²/NDF:13.5/22
Left: -105.906+/-231.038 χ²/NDF: 43.2/46
Right: -318.967+/-266.110 χ²/NDF: 53.3/50
In: -73.073+/-245.585 χ²/NDF:41.2/46
Out: -324.223+/-247.880 χ²/NDF:55.1/50
All: -197.480+/-174.460 χ²/NDF: 96.8/97


asym_us_avg_reg_correction_rms vs Slug, Sign Corrected
2400
2200
2000
1800
1600
1400
1200
1000
800
100
120
140
160
180
200
Right In: 1311.202+/-0.264 χ²/NDF: 1552150.4/23
Left Out: 1379.536+/-0.232 χ²/NDF:1158468.5/23
Right Out: 1379.901+/-0.268 χ²/NDF: 1535674.4/26
Left In: 1364.412+/-0.230 χ²/NDF:1312299.5/22
Left: 1371.931+/-0.163 χ²/NDF: 2472910.6/46
Right: 1345.068+/-0.188 χ²/NDF: 3121141.5/50
In: 1341.434+/-0.174 χ²/NDF:2887485.8/46
Out: 1379.692+/-0.175 χ²/NDF:2694143.9/50
All: 1360.385+/-0.123 χ²/NDF: 5605672.4/97



Right In: 2269.762+/-213.670 χ^2/NDF: 9.2/23

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

Right Out: 2011.749+/-208.267 χ^2/NDF: 16.8/26

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

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

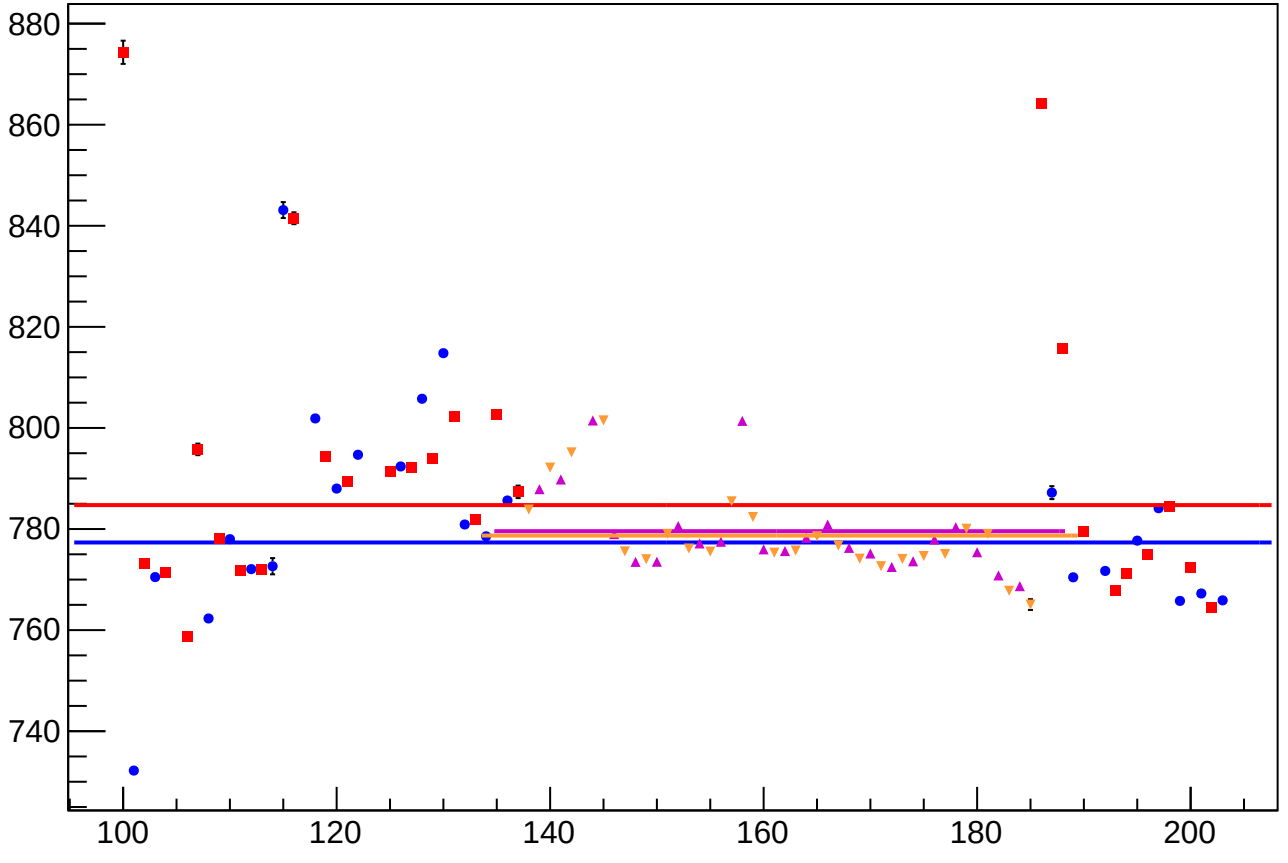
Right: 2137.452+/-149.140 χ^2/NDF: 26.7/50

In: 2179.761+/-138.563 χ^2/NDF:40.6/46

Out: 1919.253+/-136.504 χ^2/NDF:30.0/50

All: 2047.557+/-97.243 χ^2/NDF: 72.3/97

cor_asym_us_avg_rms vs Slug, Sign Corrected



Right In: 777.340+/-0.151 χ^2/NDF: 14214.4/23

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

Right Out: 784.737+/-0.147 χ^2/NDF: 20373.4/26

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

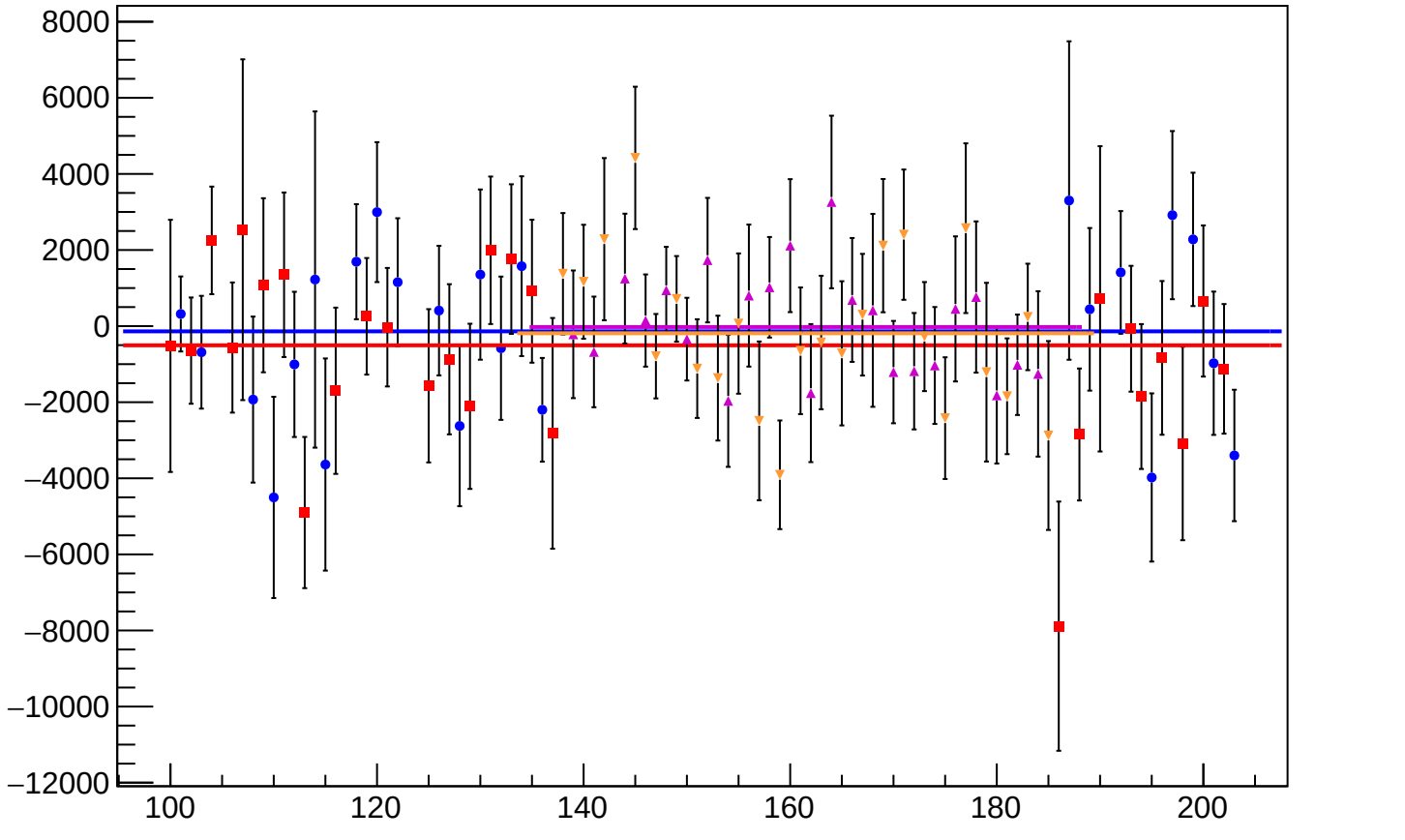
Left: 779.138+/-0.091 χ^2/NDF: 7585.5/46

Right: 781.133+/-0.105 χ^2/NDF: 35816.9/50

In: 778.635+/-0.098 χ^2/NDF:18514.0/46

Out: 781.298+/-0.097 χ^2/NDF:24719.1/50

All: 779.986+/-0.069 χ^2/NDF: 43608.1/97



Right In: -137.968+/-373.718 χ^2/NDF: 27.7/23

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

Right Out: -505.129+/-379.012 χ^2/NDF: 25.1/26

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

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

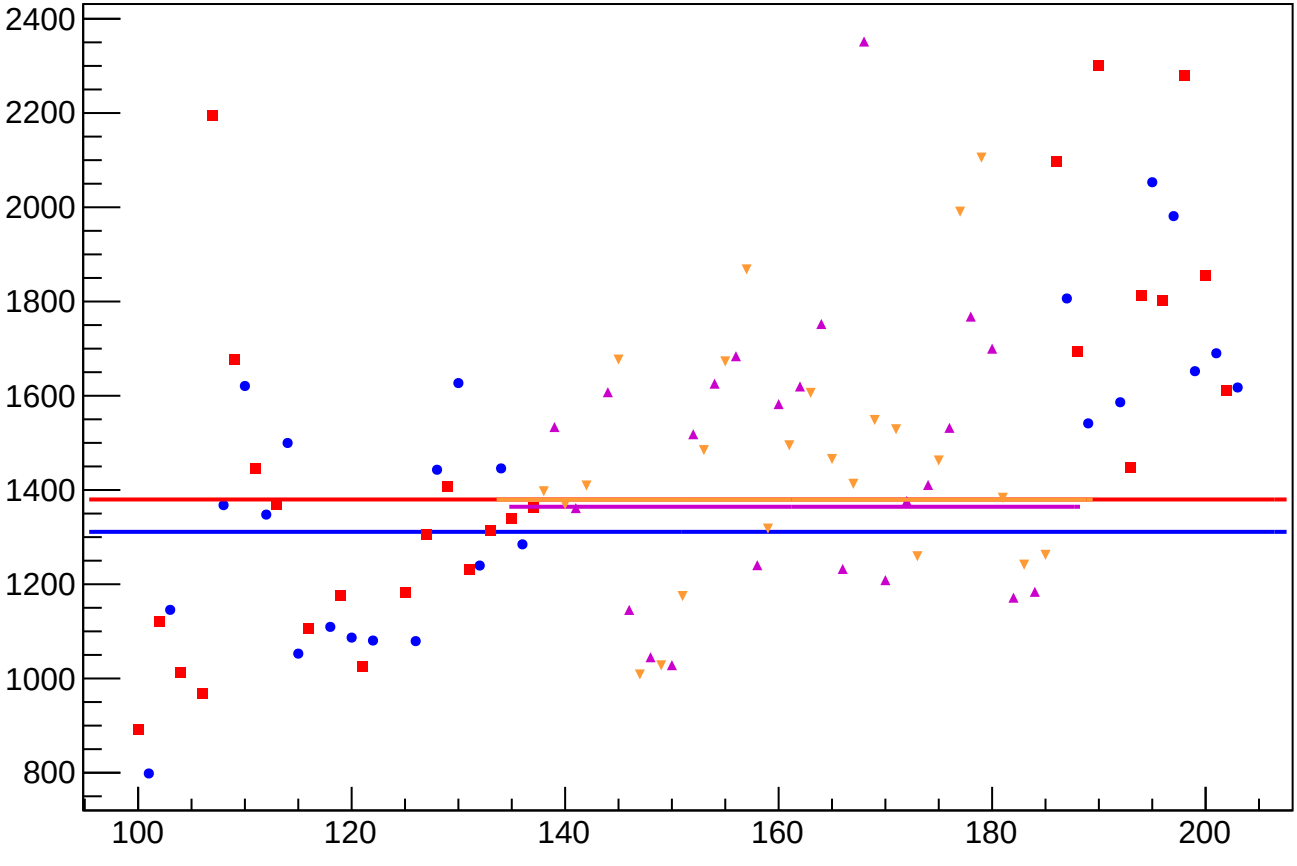
Right: -318.967+/-266.110 χ^2/NDF: 53.3/50

In: -73.073+/-245.585 χ^2/NDF:41.2/46

Out: -324.223+/-247.880 χ^2/NDF:55.1/50

All: -197.480+/-174.460 χ^2/NDF: 96.8/97

asym_us_avg_cor_correction_rms vs Slug, Sign Corrected



Right In: 1311.202+/-0.264 χ^2/NDF: 1552150.4/23

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

Right Out: 1379.901+/-0.268 χ^2/NDF: 1535674.4/26

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

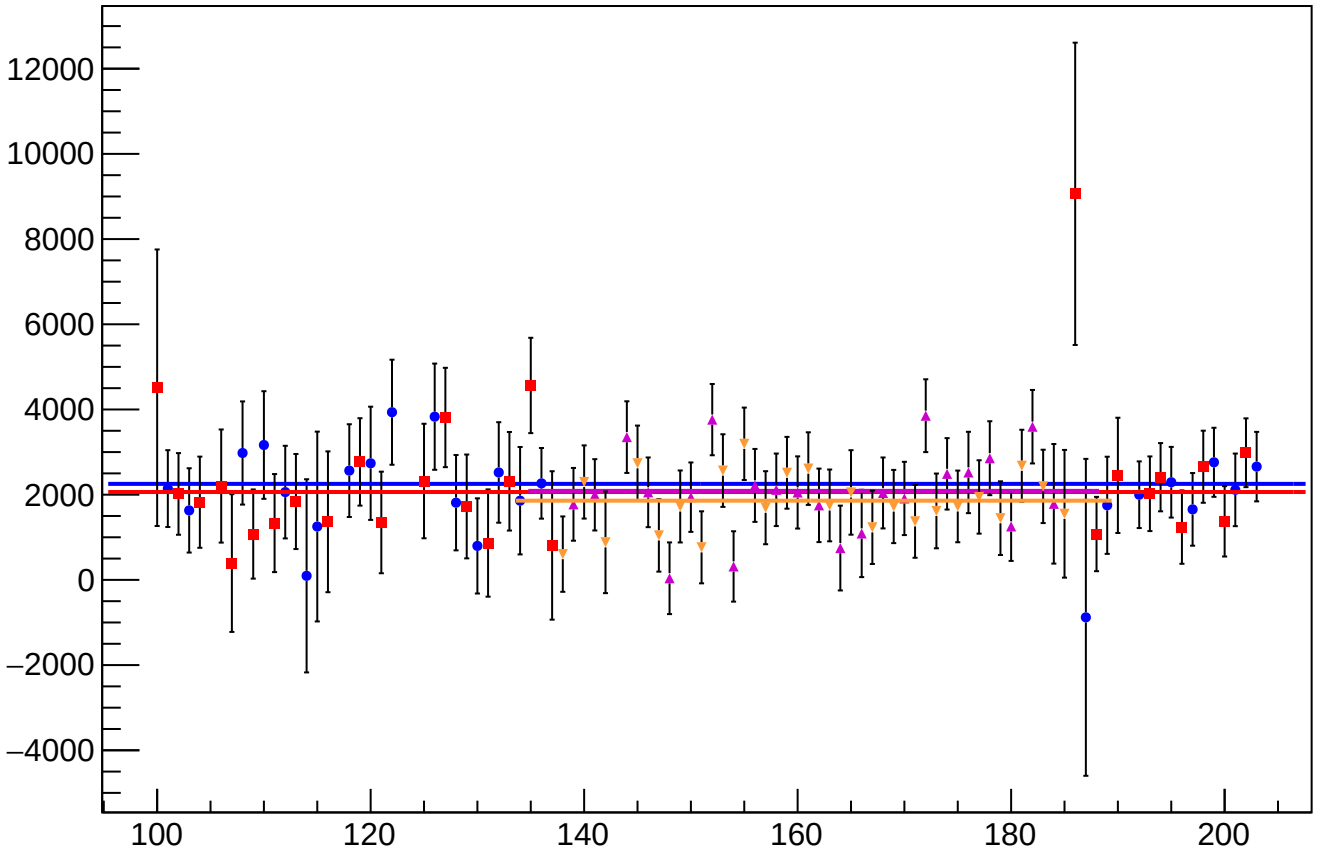
Left: 1371.931+/-0.163 χ^2/NDF: 2472910.6/46

Right: 1345.068+/-0.188 χ^2/NDF: 3121141.5/50

In: 1341.434+/-0.174 χ^2/NDF:2887485.8/46

Out: 1379.692+/-0.175 χ^2/NDF:2694143.9/50

All: 1360.385+/-0.123 χ^2/NDF: 5605672.4/97



Right In: 2253.729+/-215.066 χ^2/NDF: 10.3/23

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

Right Out: 2062.749+/-210.756 χ^2/NDF: 21.7/26

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

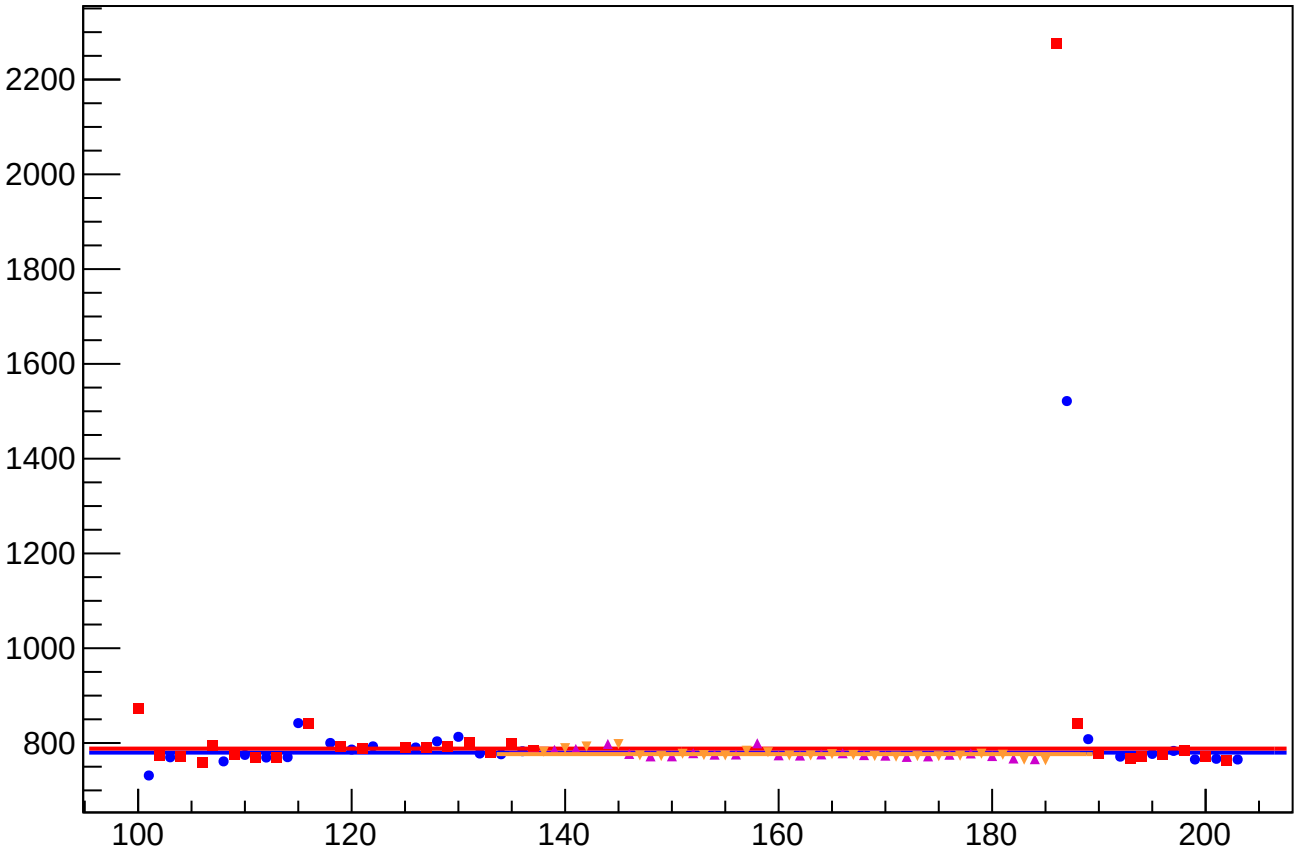
Left: 1973.689+/-127.897 χ^2/NDF: 43.9/46

Right: 2156.307+/-150.528 χ^2/NDF: 32.4/50

In: 2157.818+/-138.717 χ^2/NDF:40.2/46

Out: 1945.369+/-136.975 χ^2/NDF:35.8/50

All: 2050.252+/-97.466 χ^2/NDF: 77.2/97



Right In: 779.743+/-0.152 χ^2/NDF: 94882.5/23

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

Right Out: 788.192+/-0.149 χ^2/NDF: 371778.1/26

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

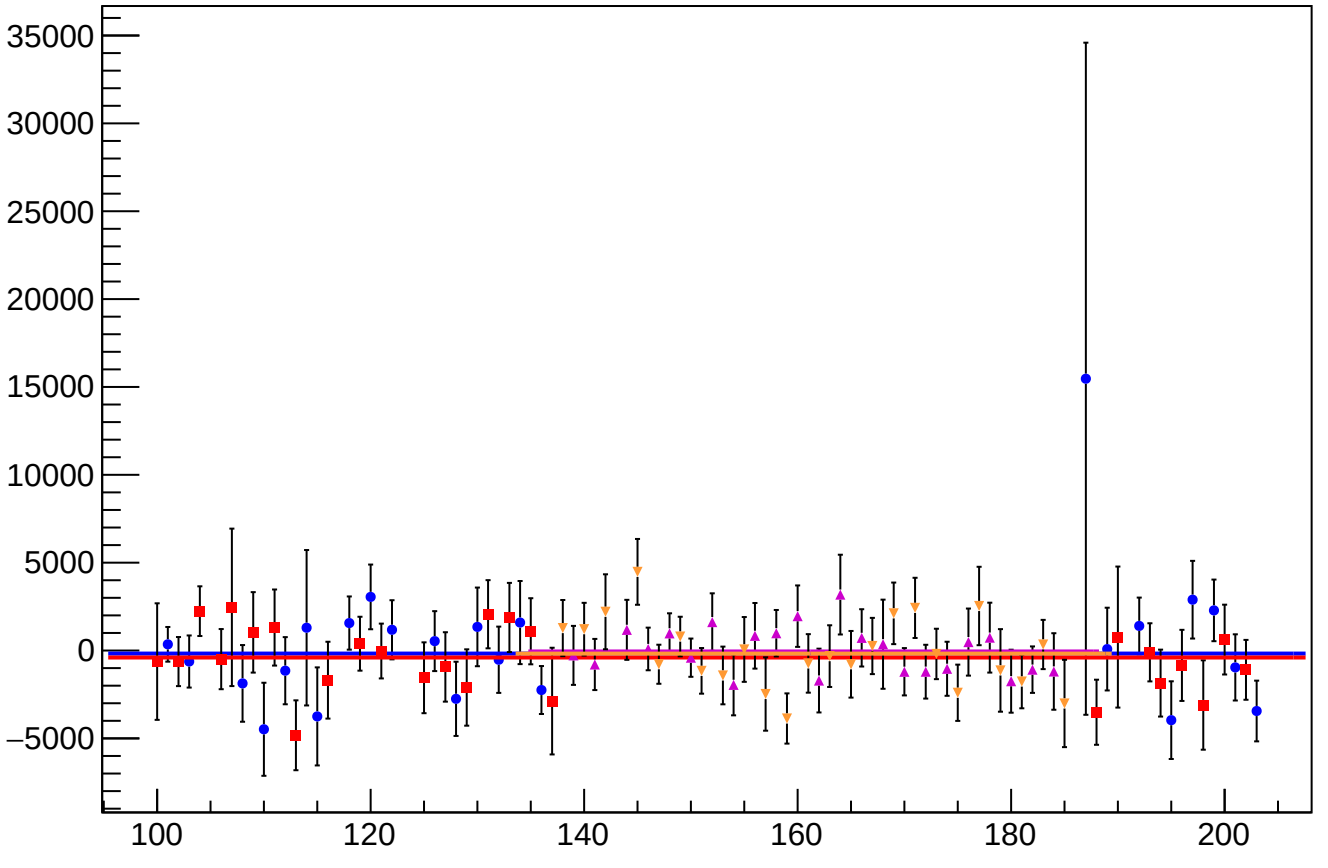
Left: 776.965+/-0.090 χ^2/NDF: 7223.5/46

Right: 784.053+/-0.106 χ^2/NDF: 468235.2/50

In: 778.382+/-0.098 χ^2/NDF:99081.7/46

Out: 781.452+/-0.097 χ^2/NDF:378456.5/50

All: 779.936+/-0.069 χ^2/NDF: 478034.1/97



Right In: -172.800+/-376.458 χ^2/NDF: 27.9/23

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

Right Out: -397.636+/-382.992 χ^2/NDF: 21.0/25

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

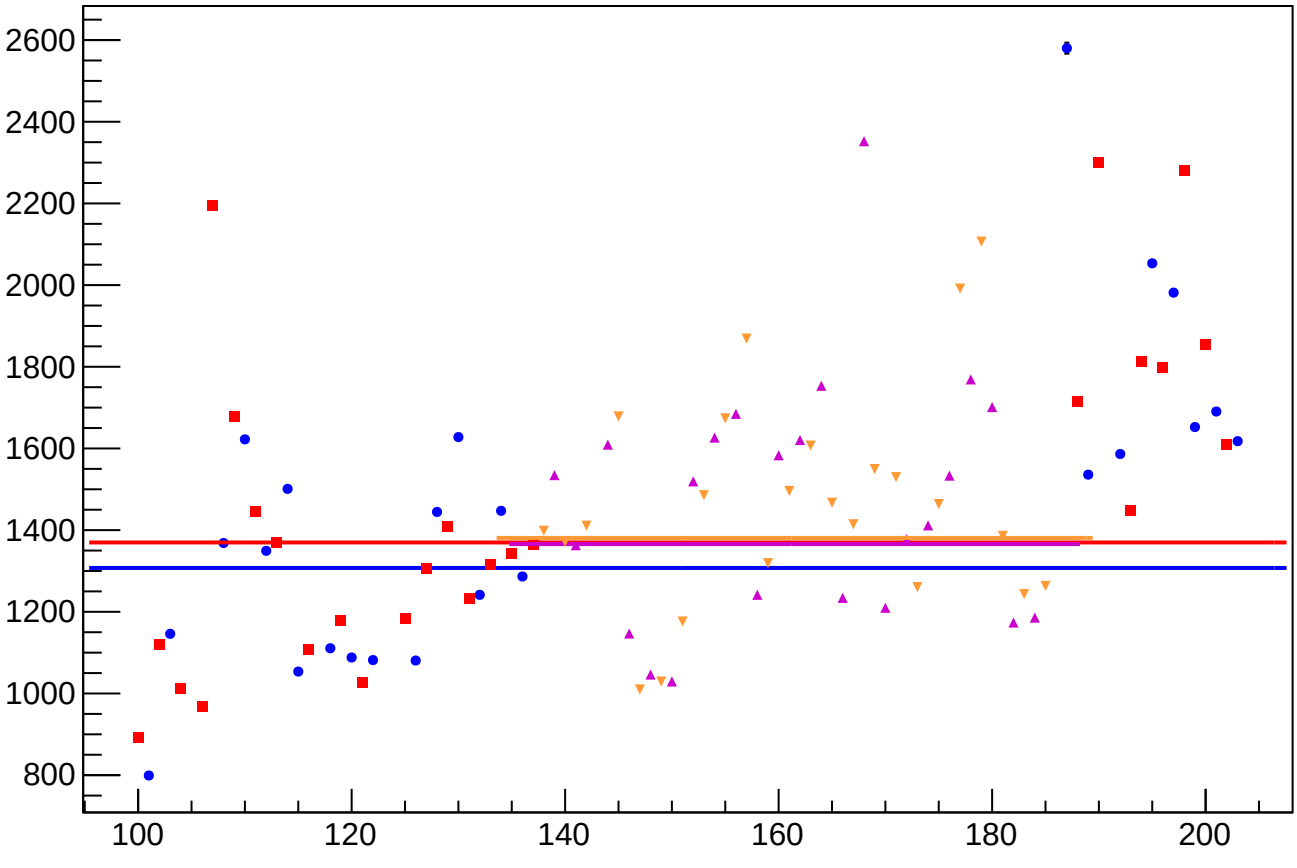
Left: -113.528+/-231.262 χ^2/NDF: 42.7/46

Right: -283.284+/-268.476 χ^2/NDF: 49.0/49

In: -104.259+/-246.494 χ^2/NDF:40.9/46

Out: -269.158+/-249.122 χ^2/NDF:50.8/49

All: -185.834+/-175.219 χ^2/NDF: 91.9/96


asym_us_avg_overload_cor_correction_rms vs Slug, Sign Corrected
2600
2400
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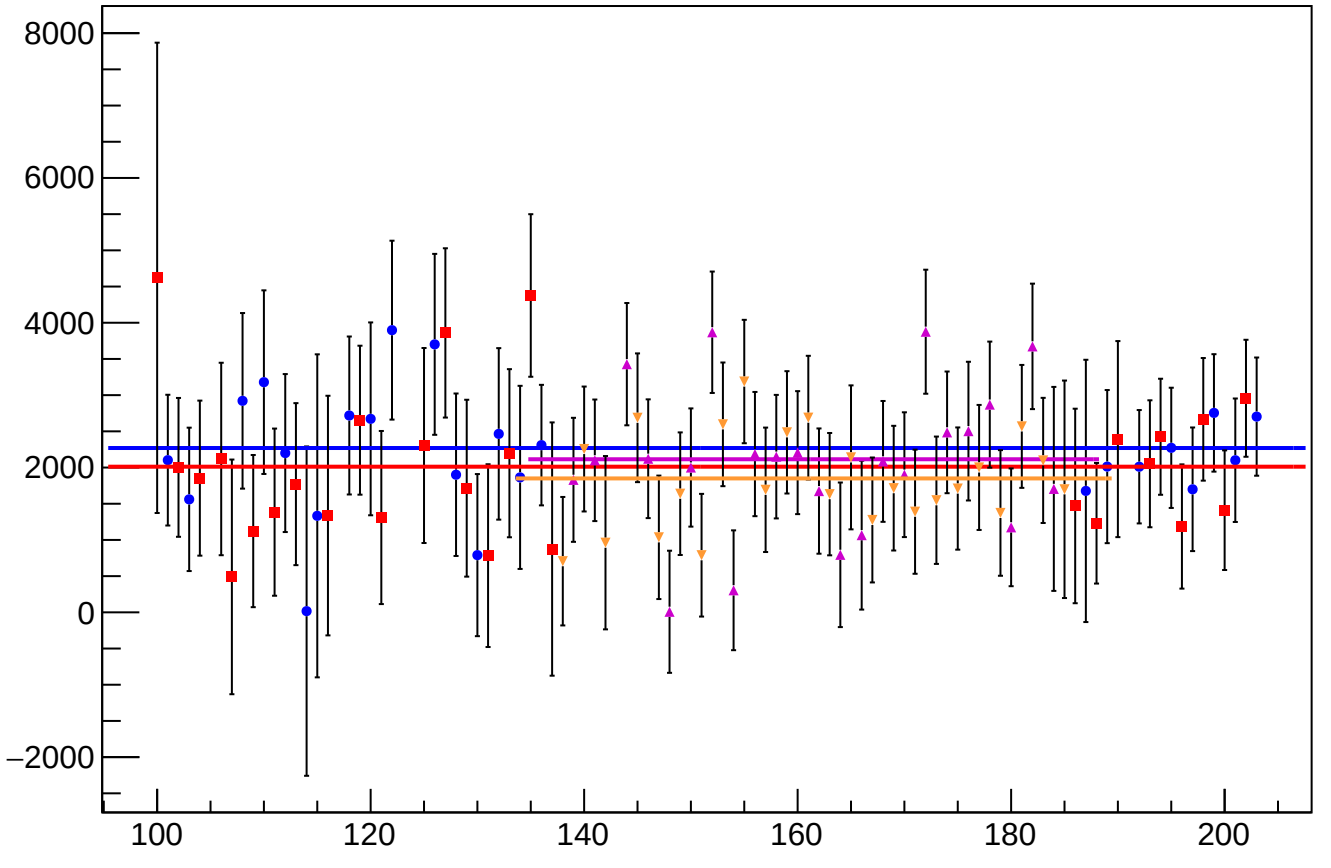
180
200
Right In: 1307.417+/-0.266 χ²/NDF: 1524152.5/23
Left Out: 1380.952+/-0.232 χ²/NDF:1155437.6/23
Right Out: 1369.826+/-0.271 χ²/NDF: 1431873.4/25
Left In: 1365.811+/-0.231 χ²/NDF:1308862.5/22
Left: 1373.338+/-0.164 χ²/NDF: 2466443.3/46
Right: 1338.085+/-0.190 χ²/NDF: 2983035.8/49
In: 1340.776+/-0.174 χ²/NDF:2860505.3/46
Out: 1376.245+/-0.176 χ²/NDF:2588284.7/49
All: 1358.322+/-0.124 χ²/NDF: 5469275.4/96



Right In: 2269.762+/-213.670 χ^2/NDF: 9.2/23

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

Right Out: 2011.749+/-208.267 χ^2/NDF: 16.8/26

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

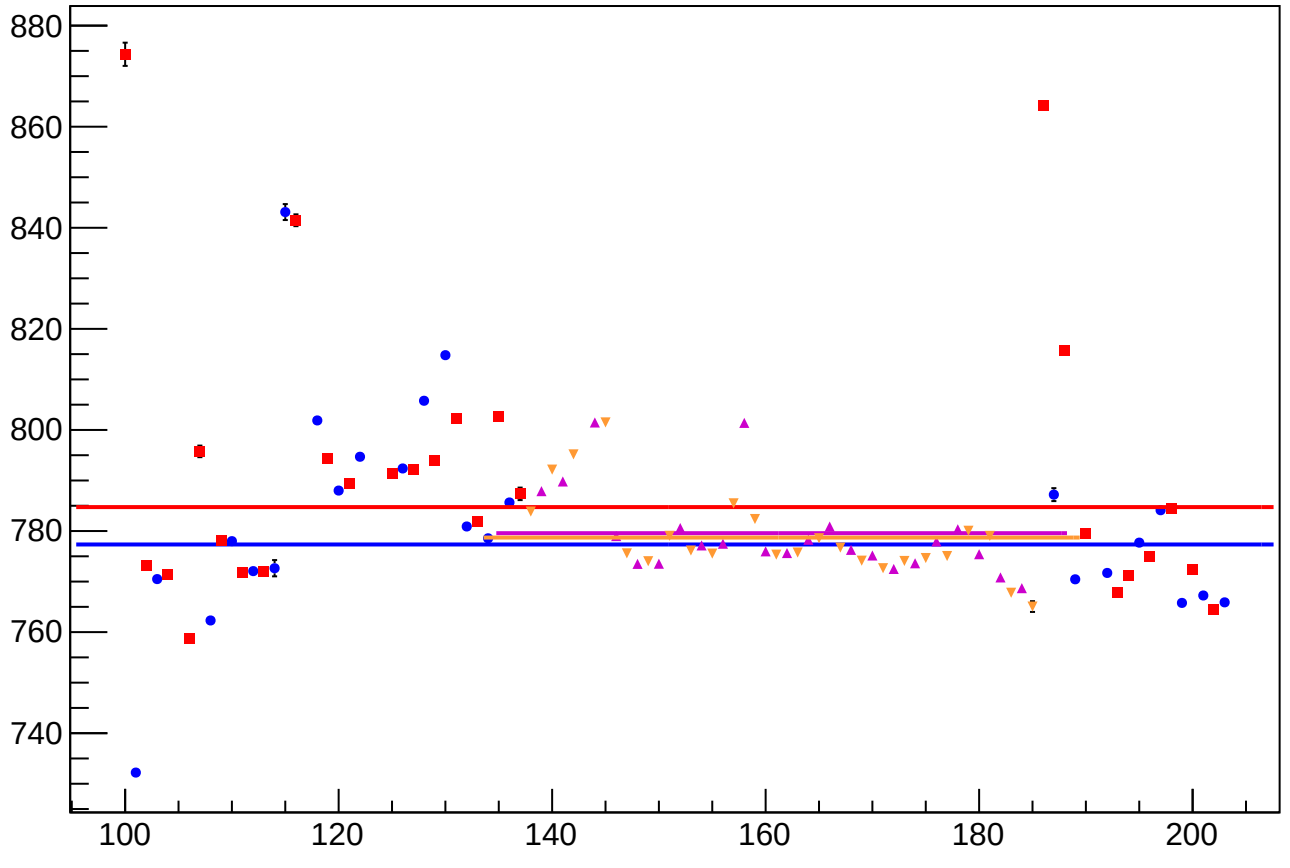
Left: 1981.076+/-128.255 χ^2/NDF: 45.0/46

Right: 2137.452+/-149.140 χ^2/NDF: 26.7/50

In: 2179.761+/-138.563 χ^2/NDF:40.6/46

Out: 1919.253+/-136.504 χ^2/NDF:30.0/50

All: 2047.557+/-97.243 χ^2/NDF: 72.3/97



Right In: 777.340+/-0.151 χ^2/NDF: 14214.4/23

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

Right Out: 784.737+/-0.147 χ^2/NDF: 20373.4/26

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

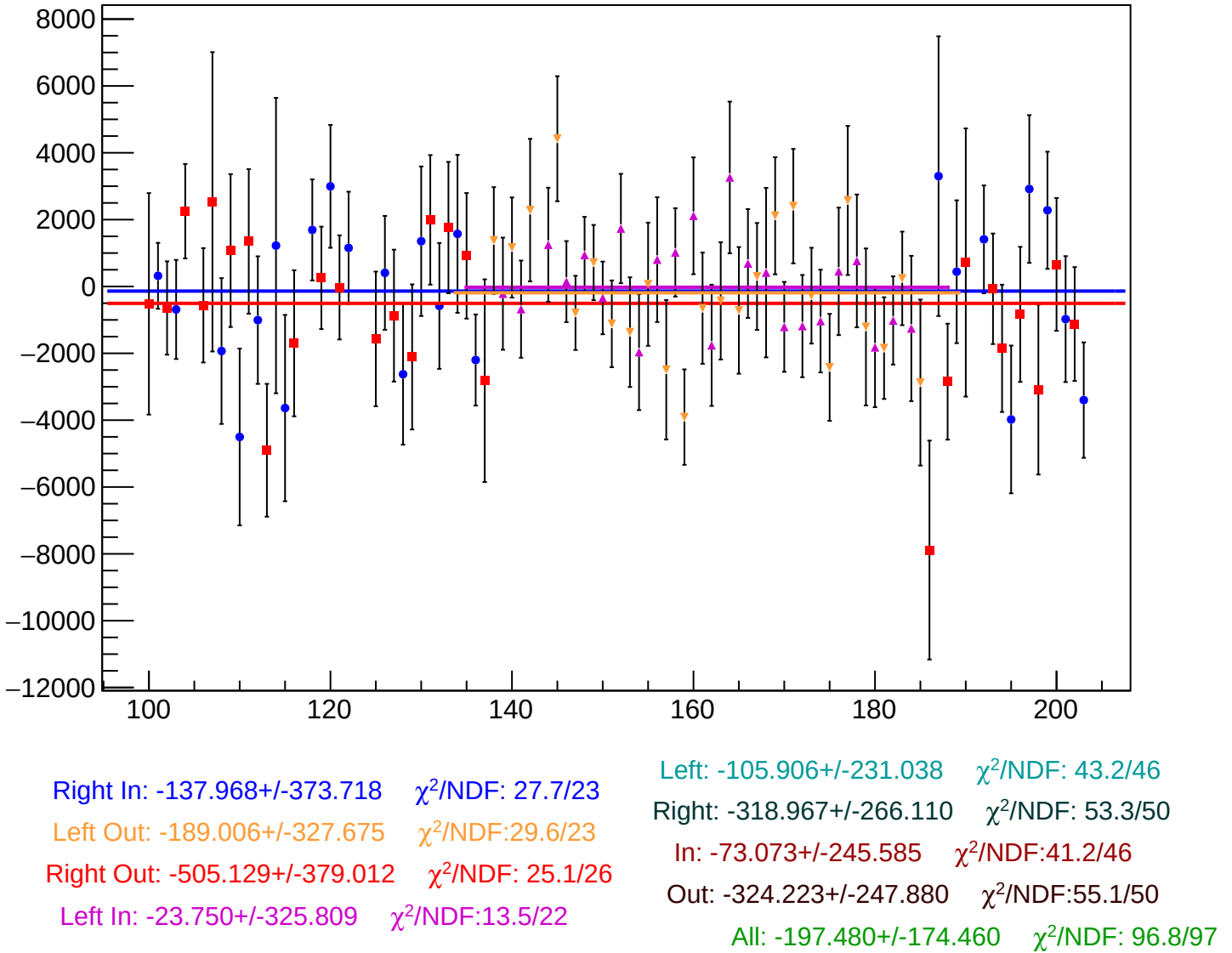
Left: 779.138+/-0.091 χ^2/NDF: 7585.5/46

Right: 781.133+/-0.105 χ^2/NDF: 35816.9/50

In: 778.635+/-0.098 χ^2/NDF:18514.0/46

Out: 781.298+/-0.097 χ^2/NDF:24719.1/50

All: 779.986+/-0.069 χ^2/NDF: 43608.1/97


asym_us_avg_eigen_cor_correction_mean vs Slug, Sign Corrected
8000
6000
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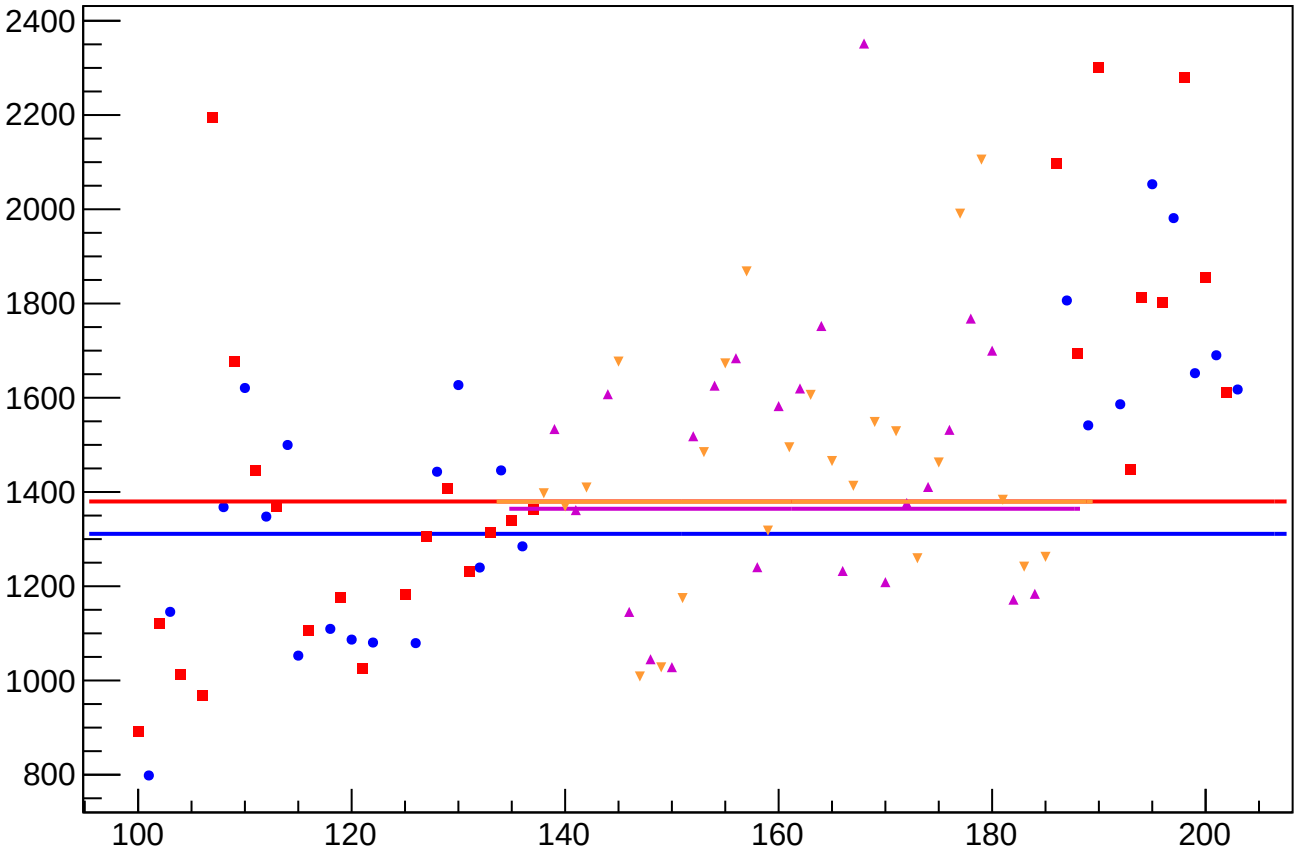
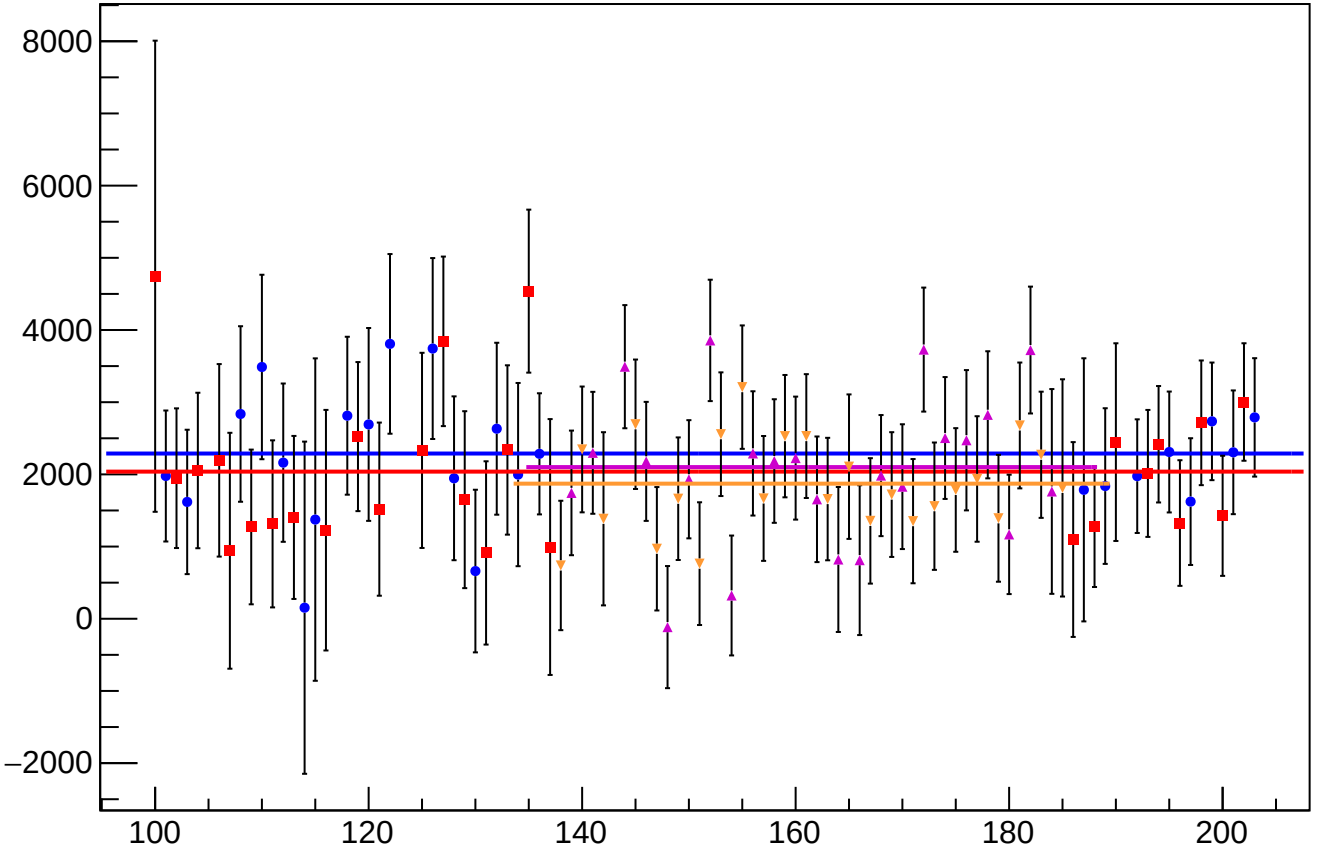
0
−2000
−4000
−6000
−8000
−10000
−12000
100
120
140
160
180
200
Right In: -137.968+/-373.718 χ²/NDF: 27.7/23
Left Out: -189.006+/-327.675 χ²/NDF:29.6/23
Right Out: -505.129+/-379.012 χ²/NDF: 25.1/26
Left In: -23.750+/-325.809 χ²/NDF:13.5/22
Left: -105.906+/-231.038 χ²/NDF: 43.2/46
Right: -318.967+/-266.110 χ²/NDF: 53.3/50
In: -73.073+/-245.585 χ²/NDF:41.2/46
Out: -324.223+/-247.880 χ²/NDF:55.1/50
All: -197.480+/-174.460 χ²/NDF: 96.8/97


asym_us_avg_eigen_cor_correction_rms vs Slug, Sign Corrected
2400
2200
2000
1800
1600
1400
1200
1000
800
100
120
140
160
180
200
Right In: 1311.202+/-0.264 χ²/NDF: 1552150.4/23
Left Out: 1379.536+/-0.232 χ²/NDF:1158468.5/23
Right Out: 1379.901+/-0.268 χ²/NDF: 1535674.4/26
Left In: 1364.412+/-0.230 χ²/NDF:1312299.5/22
Left: 1371.931+/-0.163 χ²/NDF: 2472910.6/46
Right: 1345.068+/-0.188 χ²/NDF: 3121141.5/50
In: 1341.434+/-0.174 χ²/NDF:2887485.8/46
Out: 1379.692+/-0.175 χ²/NDF:2694143.9/50
All: 1360.385+/-0.123 χ²/NDF: 5605672.4/97

dit_asym_us_avg_mean vs Slug, Sign Corrected



Right In: 2288.874+/-215.325 χ^2/NDF: 9.8/23

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

Right Out: 2038.216+/-209.859 χ^2/NDF: 16.5/26

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

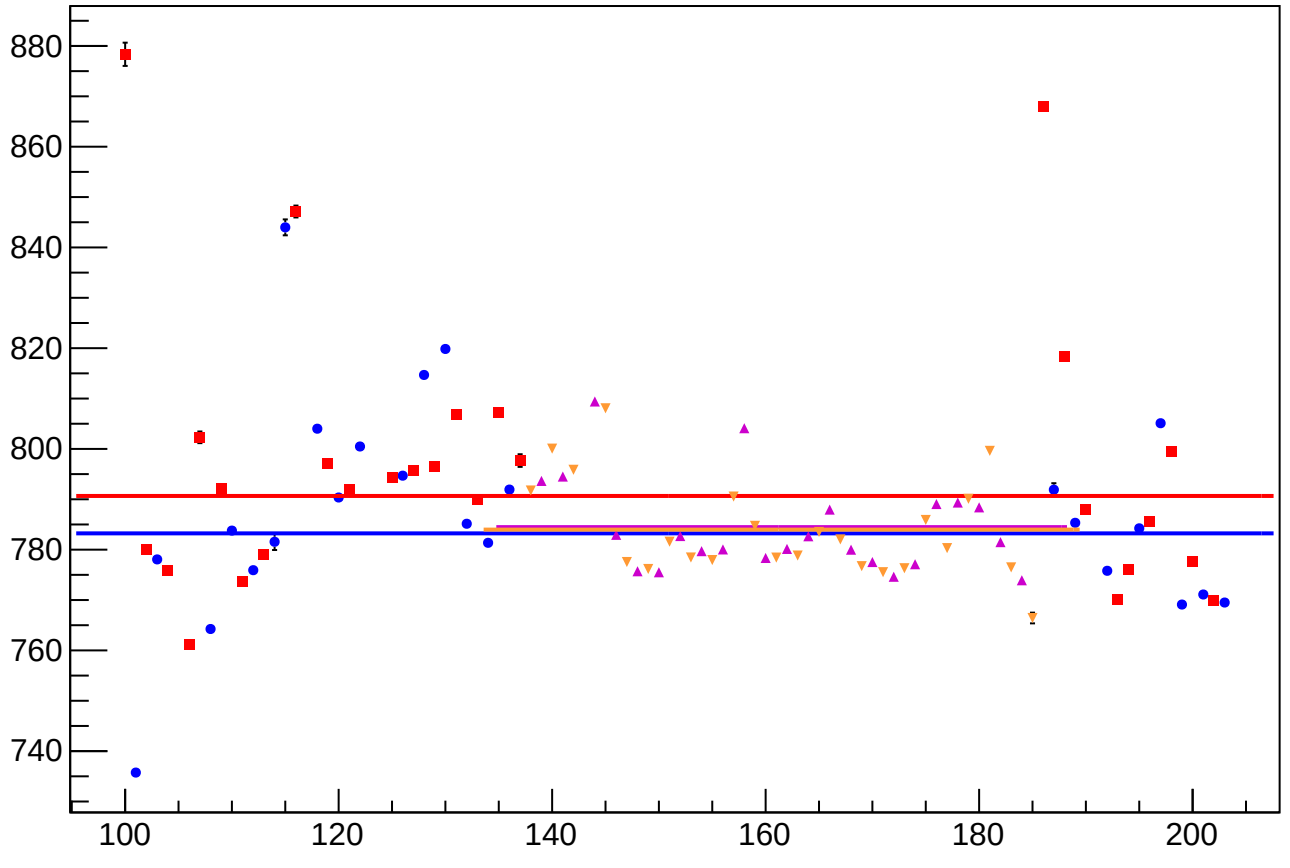
Left: 1985.496+/-129.100 χ^2/NDF: 45.0/46

Right: 2160.323+/-150.288 χ^2/NDF: 27.0/50

In: 2179.907+/-139.523 χ^2/NDF:42.0/46

Out: 1943.030+/-137.486 χ^2/NDF:29.3/50

All: 2059.727+/-97.929 χ^2/NDF: 72.8/97



Right In: 783.235+/-0.152 χ^2/NDF: 15831.0/23

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

Right Out: 790.662+/-0.148 χ^2/NDF: 19632.0/26

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

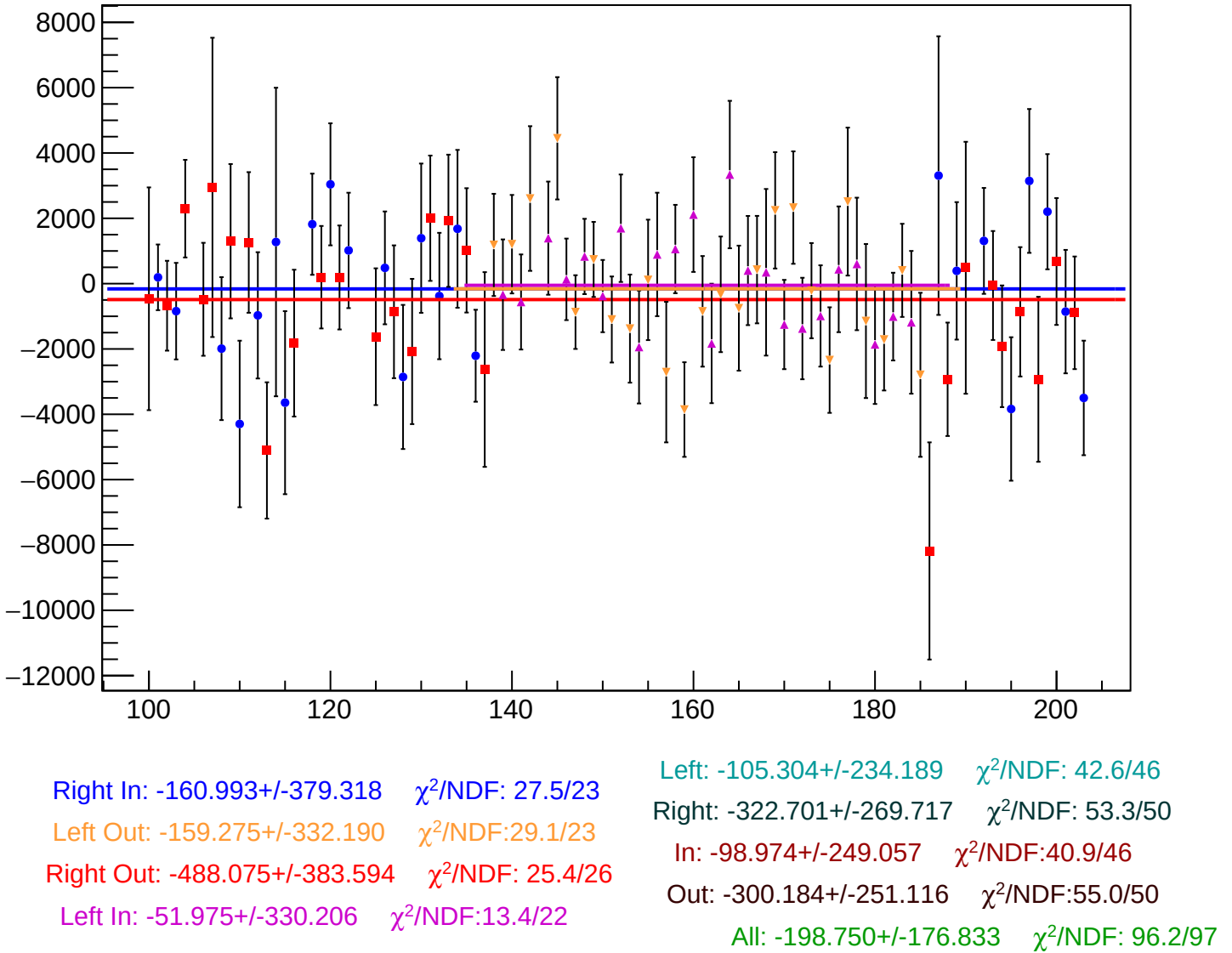
Left: 784.225+/-0.091 χ^2/NDF: 9863.0/46

Right: 787.044+/-0.106 χ^2/NDF: 36683.1/50

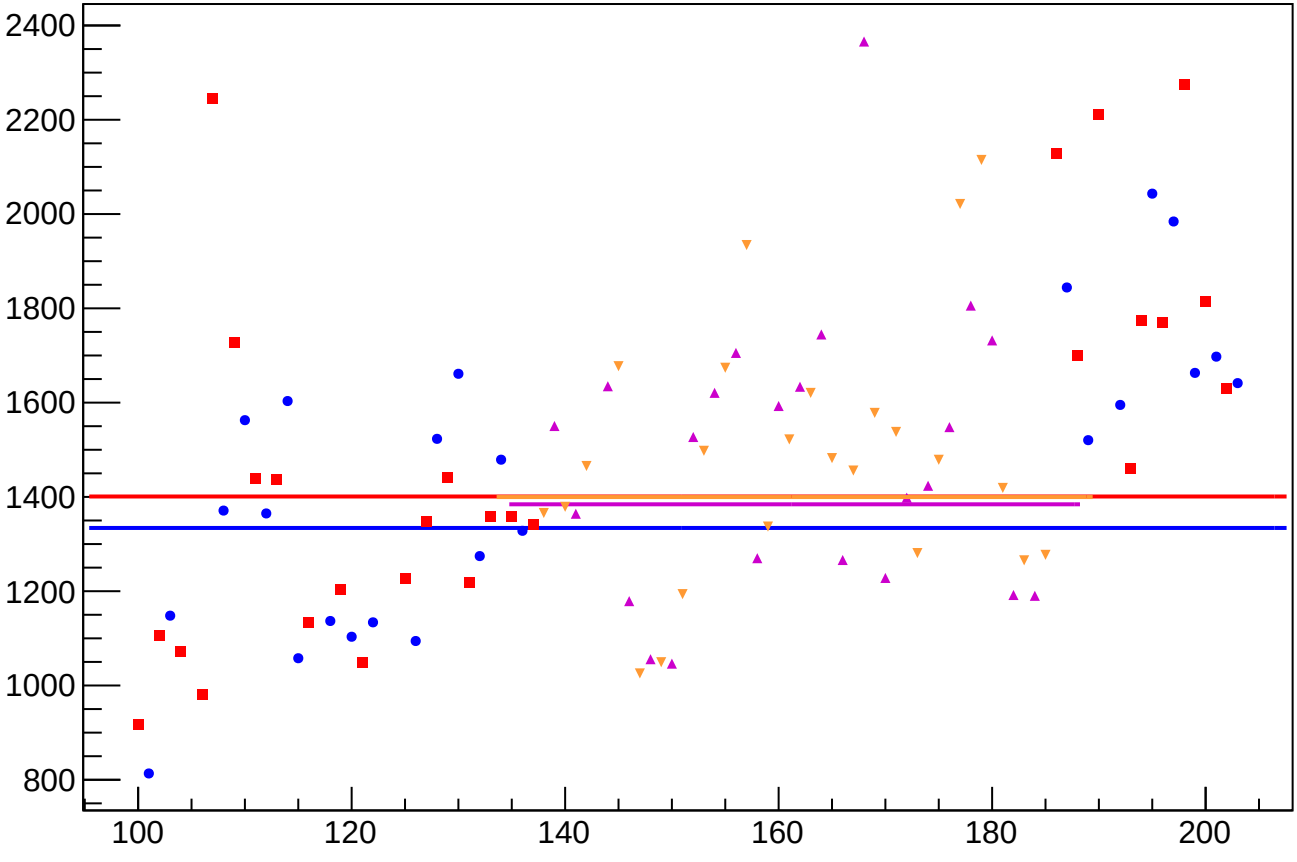
In: 783.953+/-0.099 χ^2/NDF:20797.1/46

Out: 786.849+/-0.097 χ^2/NDF:25716.7/50

All: 785.422+/-0.069 χ^2/NDF: 46950.8/97


asym_us_avg_dit_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: -160.993+/-379.318 χ²/NDF: 27.5/23
Left Out: -159.275+/-332.190 χ²/NDF:29.1/23
Right Out: -488.075+/-383.594 χ²/NDF: 25.4/26
Left In: -51.975+/-330.206 χ²/NDF:13.4/22
Left: -105.304+/-234.189 χ²/NDF: 42.6/46
Right: -322.701+/-269.717 χ²/NDF: 53.3/50
In: -98.974+/-249.057 χ²/NDF:40.9/46
Out: -300.184+/-251.116 χ²/NDF:55.0/50
All: -198.750+/-176.833 χ²/NDF: 96.2/97

asym_us_avg_dit_correction_rms vs Slug, Sign Corrected



Right In: 1334.164+/-0.268 χ^2/NDF: 1487135.0/23

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

Right Out: 1400.896+/-0.271 χ^2/NDF: 1409369.2/26

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

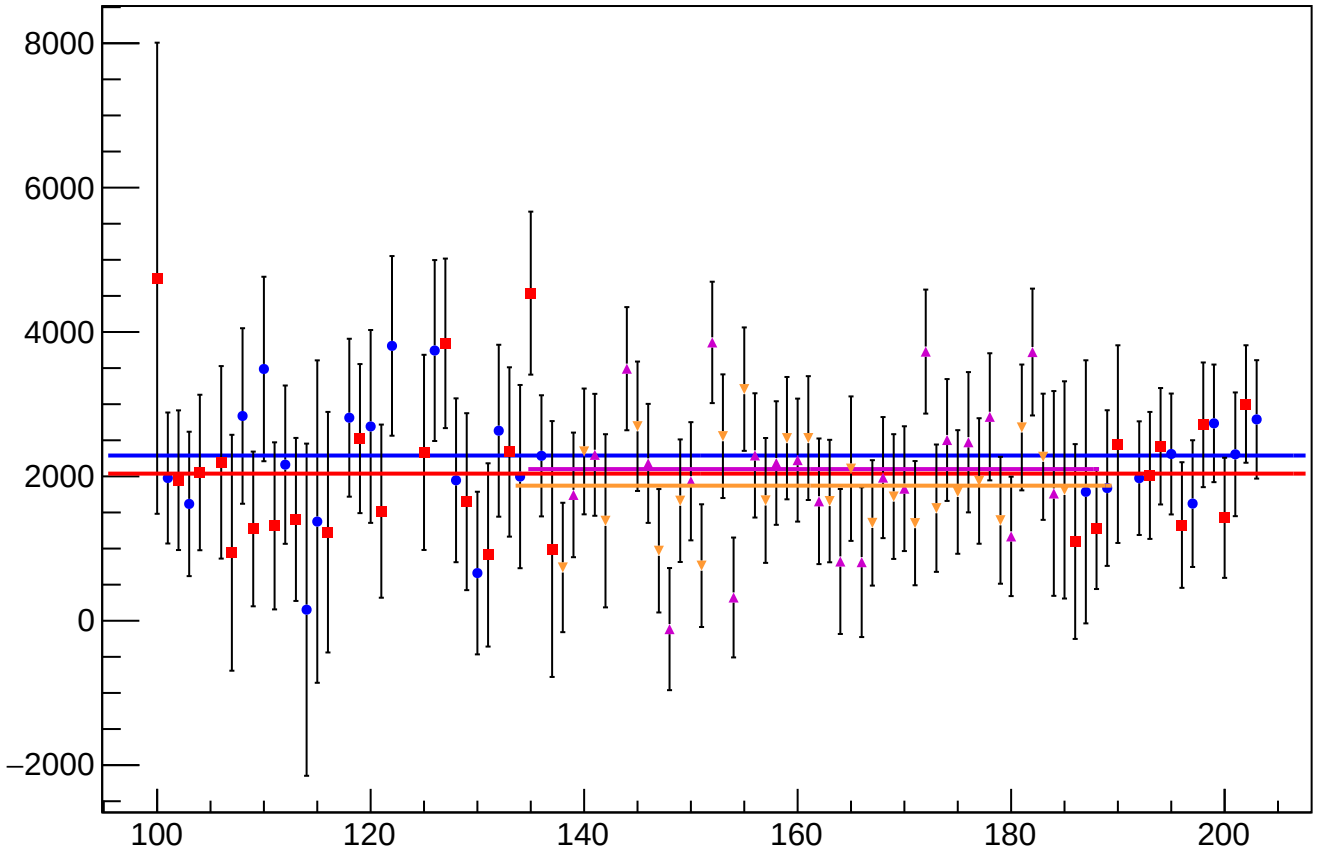
Left: 1391.979+/-0.166 χ^2/NDF: 2408444.2/46

Right: 1367.156+/-0.191 χ^2/NDF: 2927106.9/50

In: 1362.705+/-0.176 χ^2/NDF:2776974.9/46

Out: 1400.222+/-0.178 χ^2/NDF:2545730.2/50

All: 1381.309+/-0.125 χ^2/NDF: 5345209.7/97



Right In: 2288.873+/-215.325 χ^2/NDF: 9.8/23

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

Right Out: 2038.214+/-209.859 χ^2/NDF: 16.5/26

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

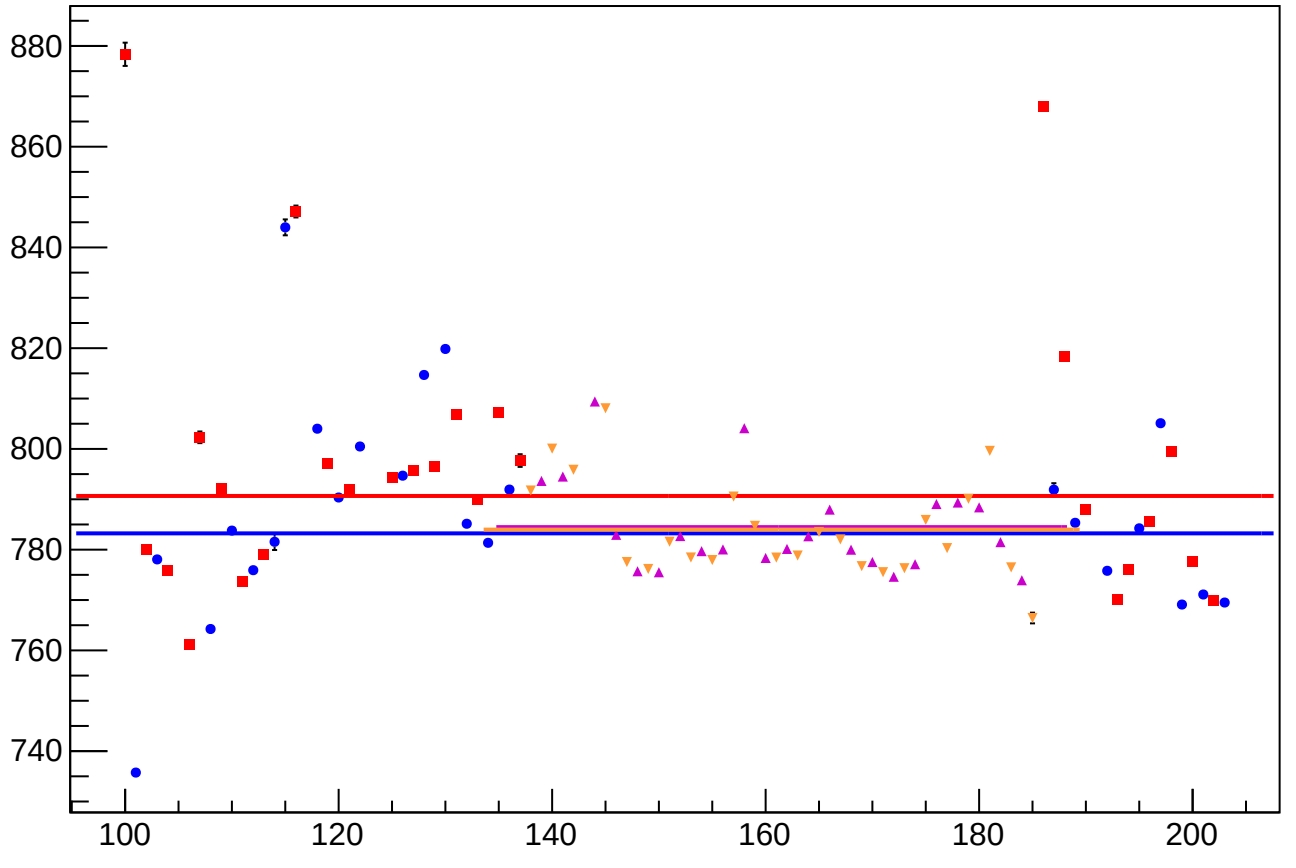
Left: 1985.495+/-129.100 χ^2/NDF: 45.0/46

Right: 2160.321+/-150.288 χ^2/NDF: 27.0/50

In: 2179.907+/-139.523 χ^2/NDF:42.0/46

Out: 1943.028+/-137.486 χ^2/NDF:29.3/50

All: 2059.725+/-97.929 χ^2/NDF: 72.8/97



Right In: 783.235+/-0.152 χ^2/NDF: 15831.0/23

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

Right Out: 790.662+/-0.148 χ^2/NDF: 19632.0/26

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

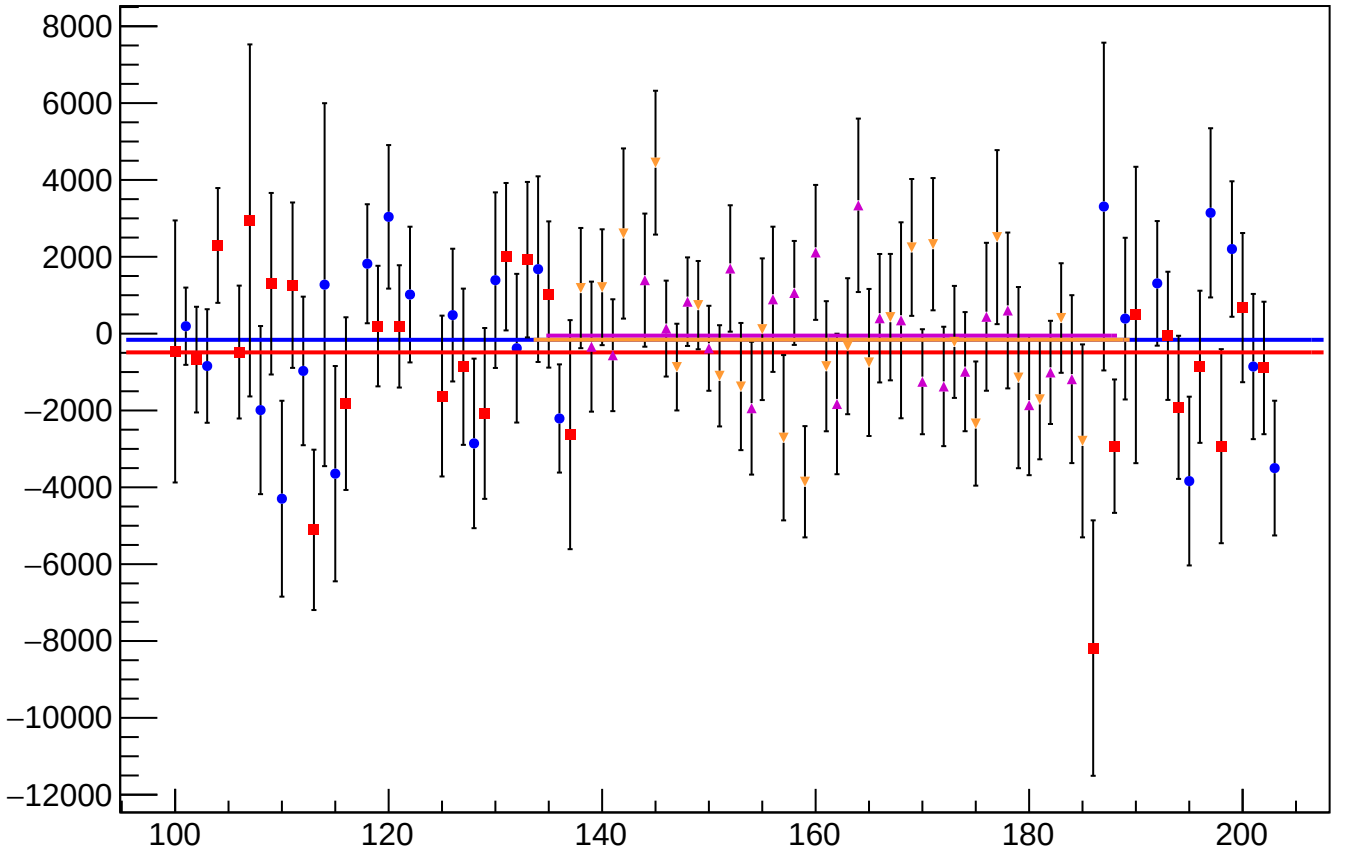
Left: 784.225+/-0.091 χ^2/NDF: 9863.0/46

Right: 787.044+/-0.106 χ^2/NDF: 36683.0/50

In: 783.953+/-0.099 χ^2/NDF:20797.0/46

Out: 786.849+/-0.097 χ^2/NDF:25716.7/50

All: 785.422+/-0.069 χ^2/NDF: 46950.7/97



Right In: -160.992+/-379.318 χ^2/NDF: 27.5/23

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

Right Out: -488.072+/-383.593 χ^2/NDF: 25.4/26

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

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

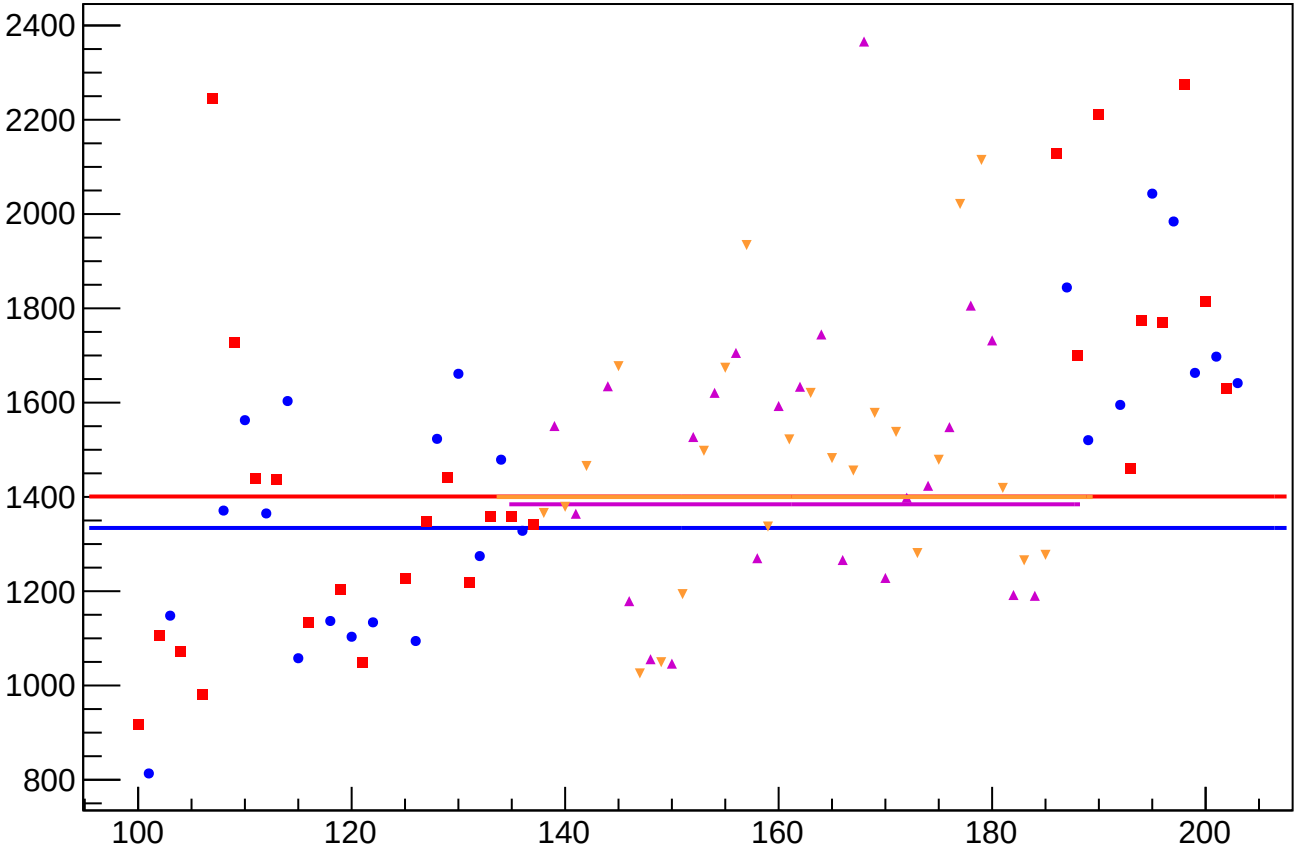
Right: -322.699+/-269.717 χ^2/NDF: 53.3/50

In: -98.974+/-249.057 χ^2/NDF:40.9/46

Out: -300.185+/-251.116 χ^2/NDF:55.0/50

All: -198.751+/-176.833 χ^2/NDF: 96.2/97

asym_us_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 1334.162+/-0.268 χ^2/NDF: 1487148.6/23

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

Right Out: 1400.893+/-0.271 χ^2/NDF: 1409385.0/26

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

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

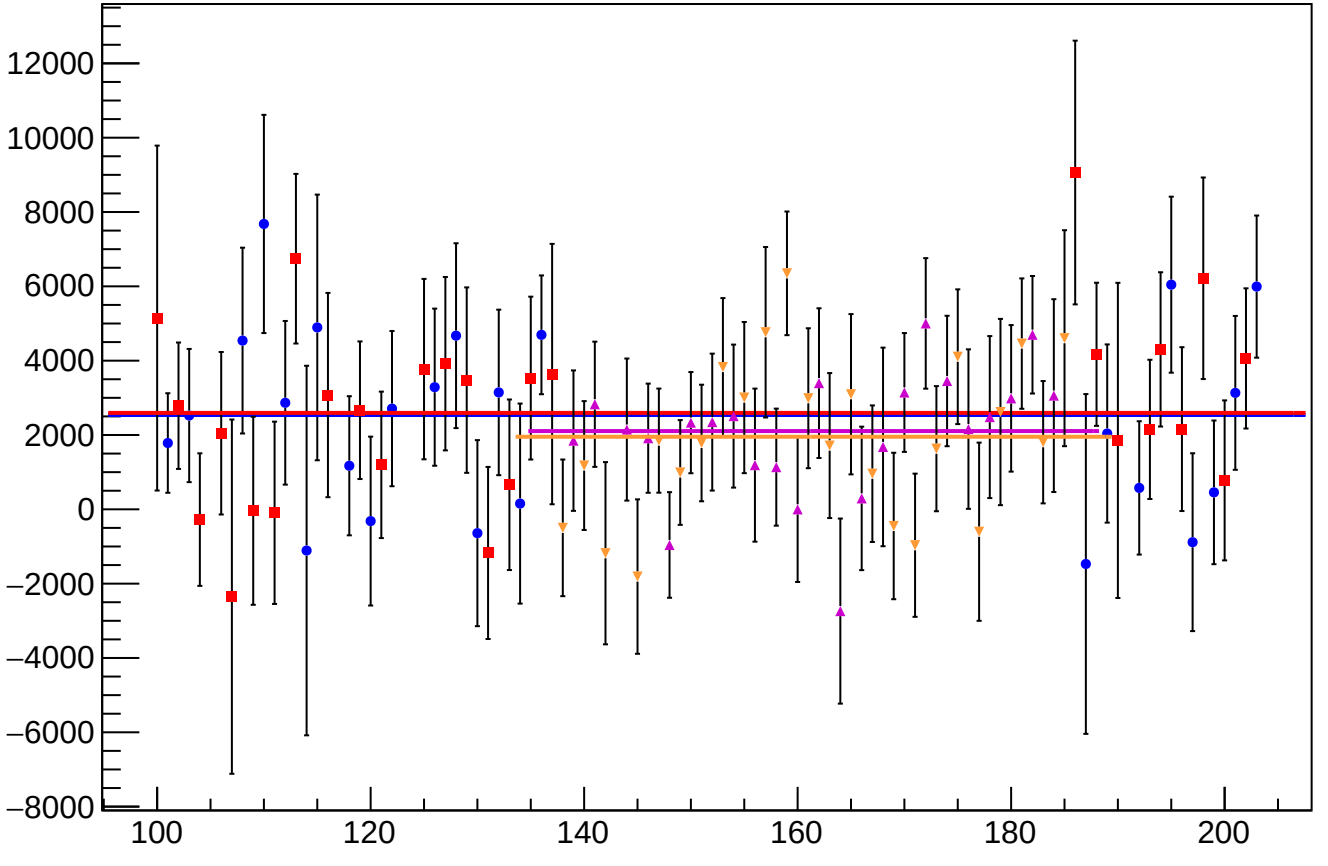
Right: 1367.154+/-0.191 χ^2/NDF: 2927136.1/50

In: 1362.705+/-0.176 χ^2/NDF:2776993.0/46

Out: 1400.223+/-0.178 χ^2/NDF:2545746.9/50

All: 1381.310+/-0.125 χ^2/NDF: 5345244.5/97

asym_us_avg_mean vs Slug, Sign Corrected



Right In: 2538.523+/-442.189 χ^2/NDF: 23.0/23

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

Right Out: 2594.247+/-442.947 χ^2/NDF: 22.4/26

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

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

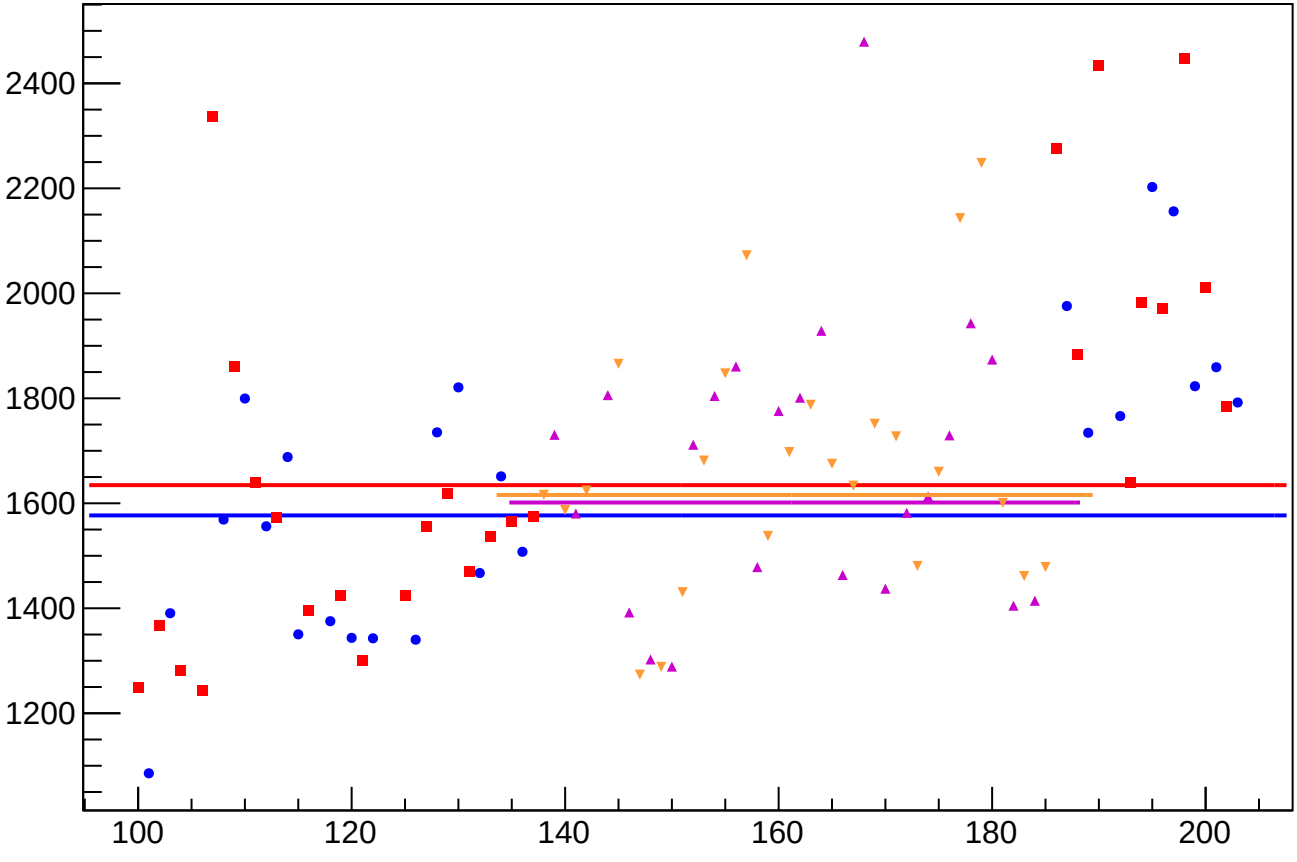
Right: 2566.337+/-312.942 χ^2/NDF: 45.4/50

In: 2288.867+/-287.787 χ^2/NDF:42.2/46

Out: 2224.740+/-288.528 χ^2/NDF:51.0/50

All: 2256.886+/-203.758 χ^2/NDF: 93.2/97

asym_us_avg_rms vs Slug, Sign Corrected



Right In: 1576.888+/-0.313 χ^2/NDF: 841053.9/23

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

Right Out: 1634.575+/-0.313 χ^2/NDF: 923070.6/26

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

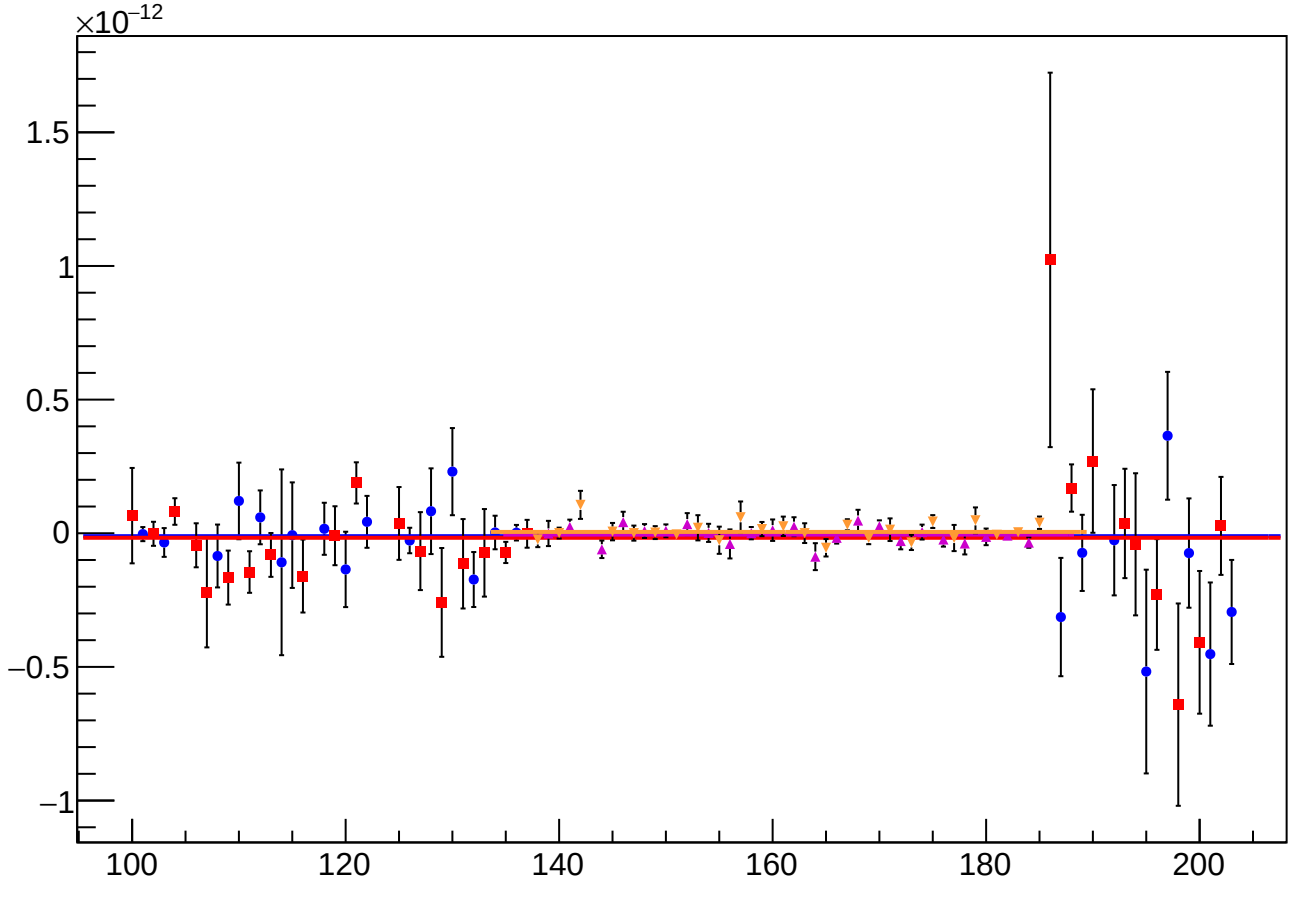
Left: 1608.652+/-0.190 χ^2/NDF: 1489505.9/46

Right: 1605.682+/-0.221 χ^2/NDF: 1781114.5/50

In: 1591.073+/-0.203 χ^2/NDF:1638346.9/46

Out: 1623.797+/-0.204 χ^2/NDF:1619480.7/50

All: 1607.393+/-0.144 χ^2/NDF: 3270724.2/97



Right In: -0.000+/-0.000 χ^2/NDF: 19.9/23

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

Right Out: -0.000+/-0.000 χ^2/NDF: 37.0/26

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

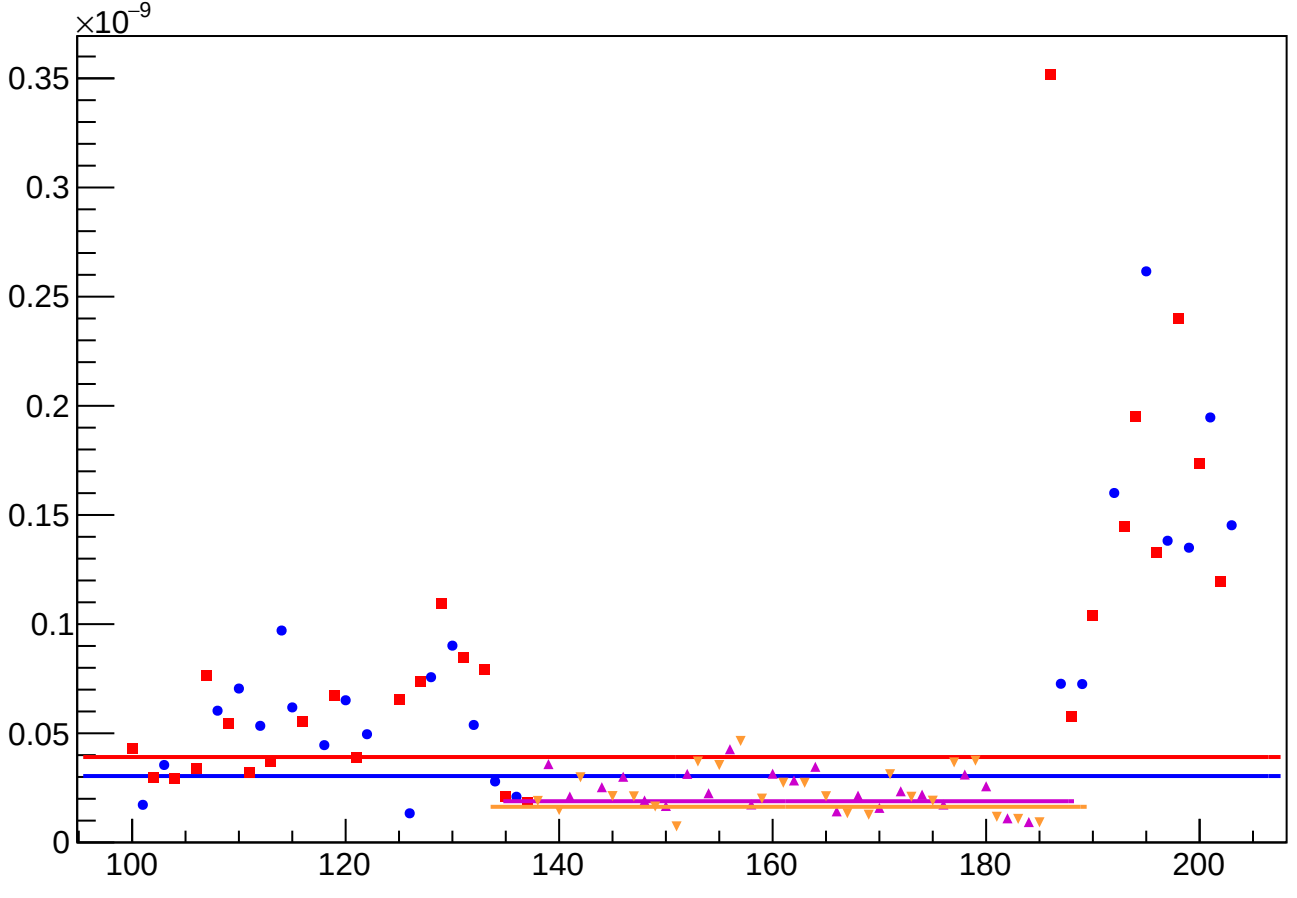
Left: 0.000+/-0.000 χ^2/NDF: 42.0/46

Right: -0.000+/-0.000 χ^2/NDF: 56.9/50

In: -0.000+/-0.000 χ^2/NDF:39.4/46

Out: 0.000+/-0.000 χ^2/NDF:59.4/50

All: -0.000+/-0.000 χ^2/NDF: 100.3/97



Right In: 0.000+/-0.000 χ^2/NDF: 6425942.4/23

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

Right Out: 0.000+/-0.000 χ^2/NDF: 5582220.3/26

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

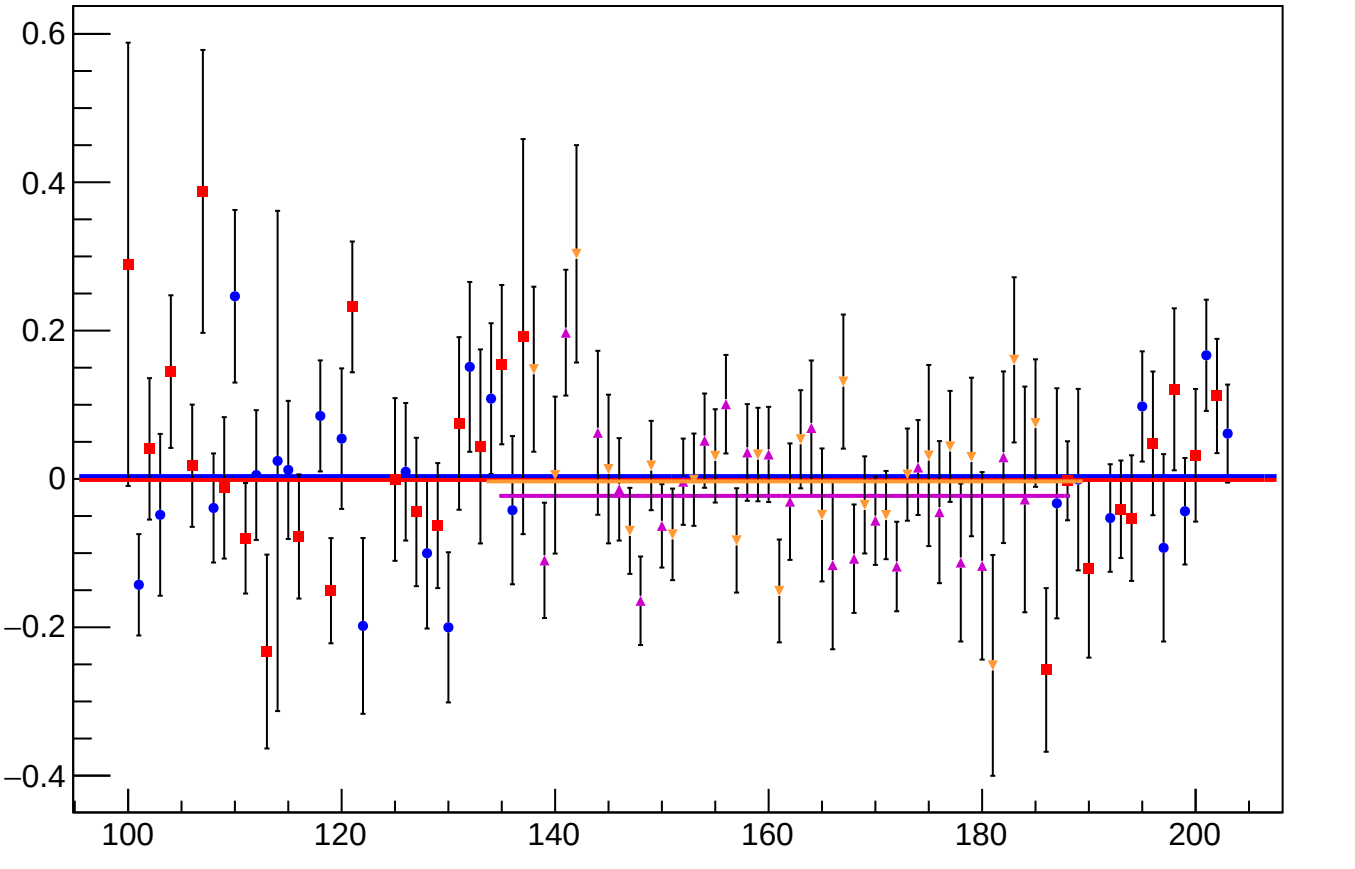
Left: 0.000+/-0.000 χ^2/NDF: 7731818.4/46

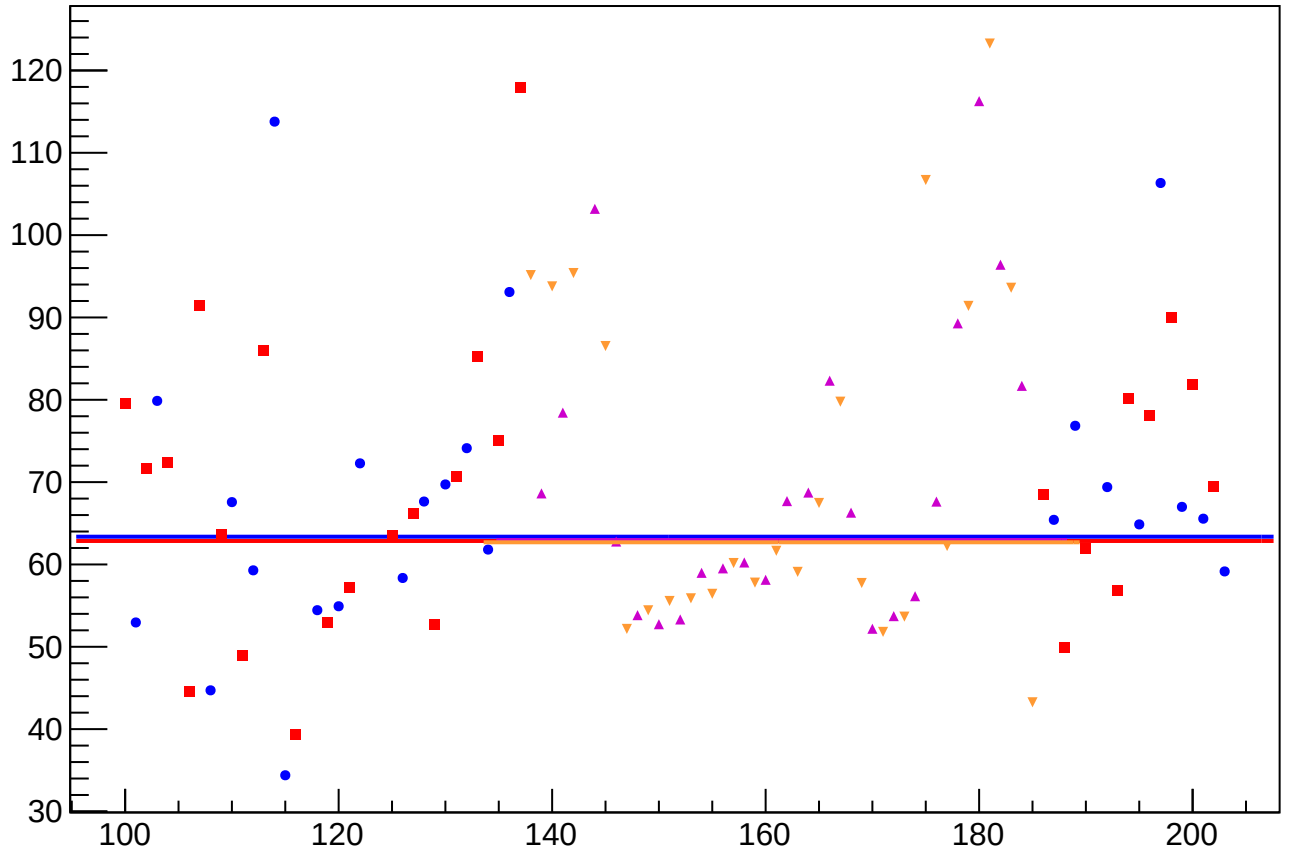
Right: 0.000+/-0.000 χ^2/NDF: 12296381.7/50

In: 0.000+/-0.000 χ^2/NDF:10727337.3/46

Out: 0.000+/-0.000 χ^2/NDF:12964363.7/50

All: 0.000+/-0.000 χ^2/NDF: 23860009.3/97


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: 0.004+/-0.019 χ²/NDF: 30.7/23
Left Out: -0.003+/-0.015 χ²/NDF:25.9/23
Right Out: -0.001+/-0.018 χ²/NDF: 38.7/26
Left In: -0.023+/-0.015 χ²/NDF:29.0/22
Left: -0.013+/-0.011 χ²/NDF: 55.7/46
Right: 0.001+/-0.013 χ²/NDF: 69.4/50
In: -0.012+/-0.012 χ²/NDF:60.8/46
Out: -0.002+/-0.012 χ²/NDF:64.6/50
All: -0.007+/-0.008 χ²/NDF: 125.8/97



Right In: 63.371+/-0.013 χ^2/NDF: 1019670.6/23

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

Right Out: 62.852+/-0.013 χ^2/NDF: 1233994.0/26

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

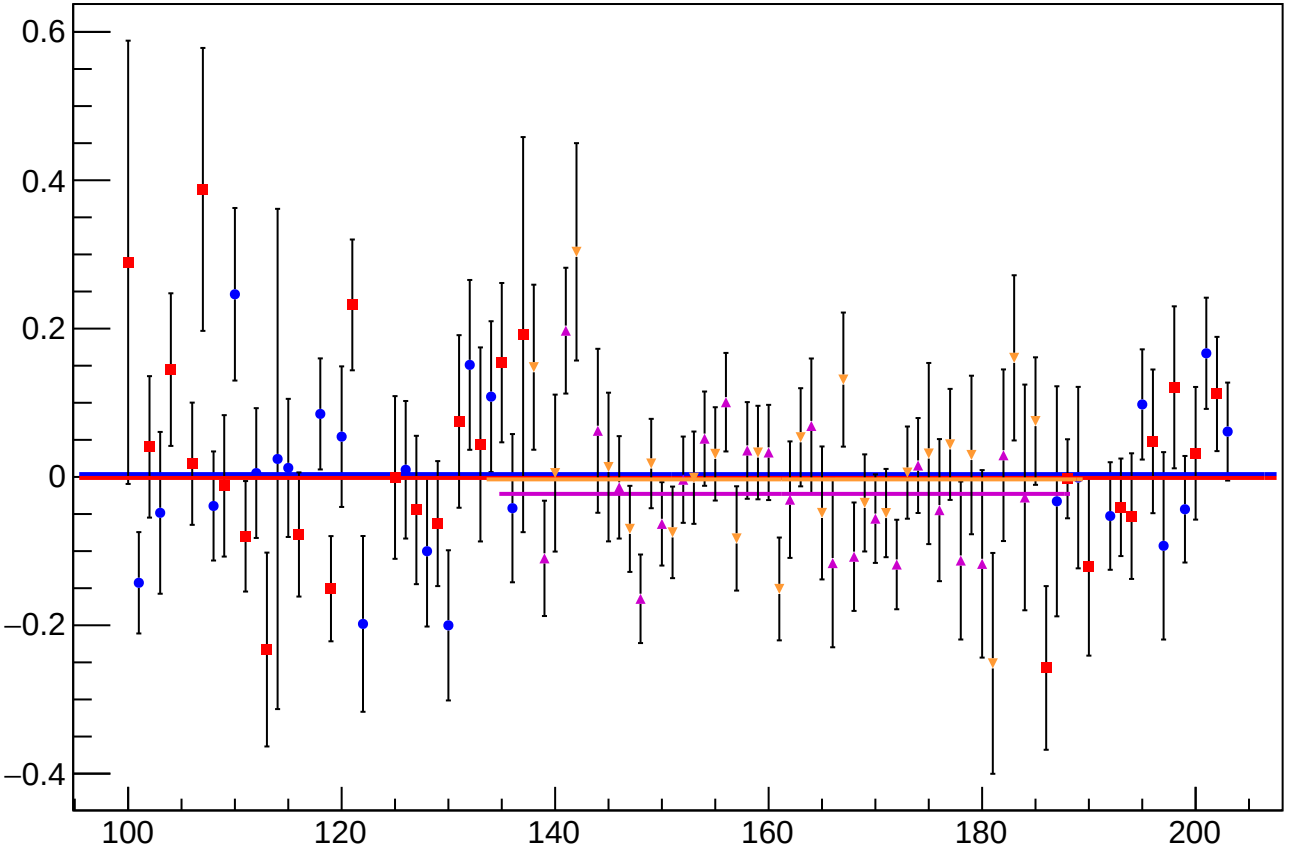
Left: 62.825+/-0.008 χ^2/NDF: 3370112.8/46

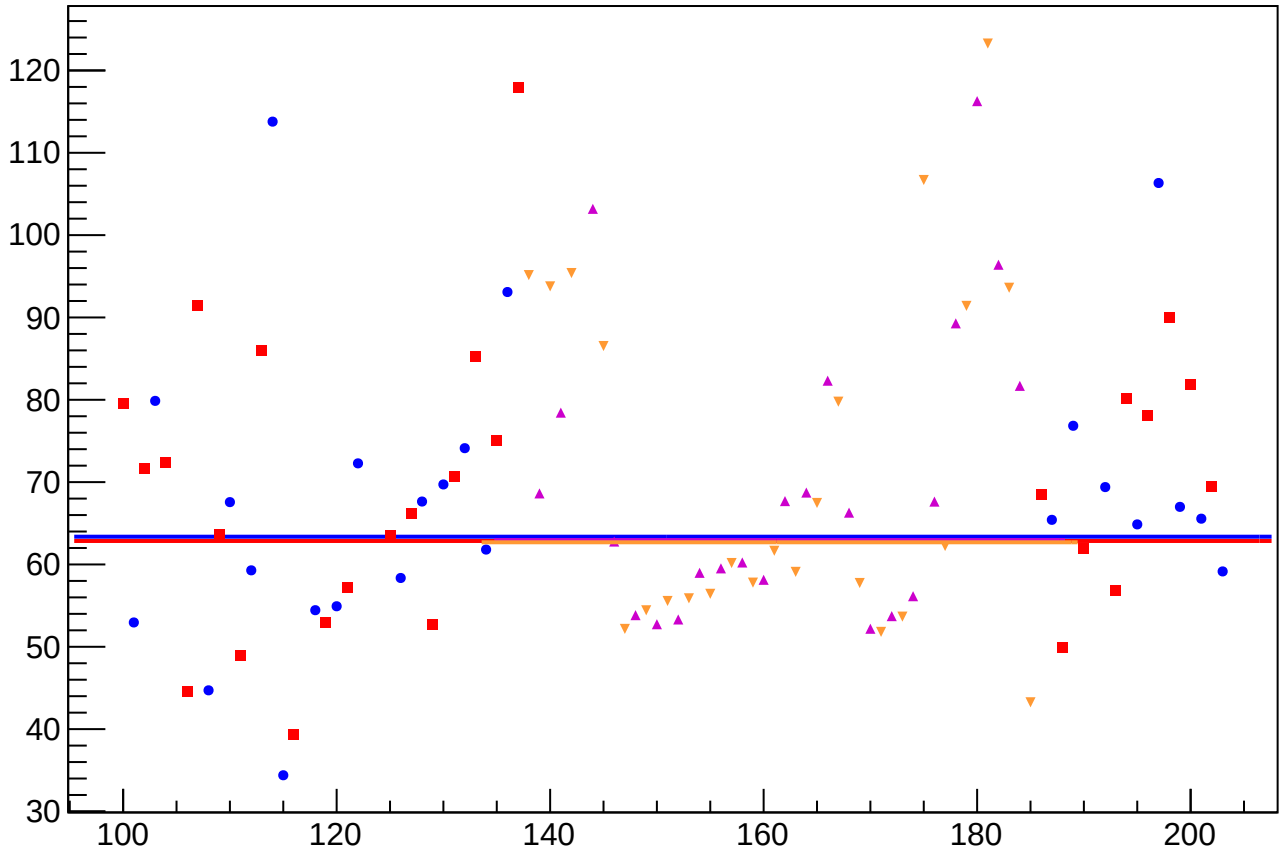
Right: 63.102+/-0.009 χ^2/NDF: 2254473.8/50

In: 63.126+/-0.008 χ^2/NDF:2450685.8/46

Out: 62.762+/-0.008 χ^2/NDF:3173484.5/50

All: 62.941+/-0.006 χ^2/NDF: 5625123.4/97


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: 0.004+/-0.019 χ²/NDF: 30.7/23
Left Out: -0.003+/-0.015 χ²/NDF:25.9/23
Right Out: -0.001+/-0.018 χ²/NDF: 38.7/26
Left In: -0.023+/-0.015 χ²/NDF:29.0/22
Left: -0.013+/-0.011 χ²/NDF: 55.7/46
Right: 0.001+/-0.013 χ²/NDF: 69.4/50
In: -0.012+/-0.012 χ²/NDF:60.8/46
Out: -0.002+/-0.012 χ²/NDF:64.6/50
All: -0.007+/-0.008 χ²/NDF: 125.8/97



Right In: 63.371+/-0.013 χ^2/NDF: 1019670.6/23

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

Right Out: 62.852+/-0.013 χ^2/NDF: 1233994.0/26

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

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

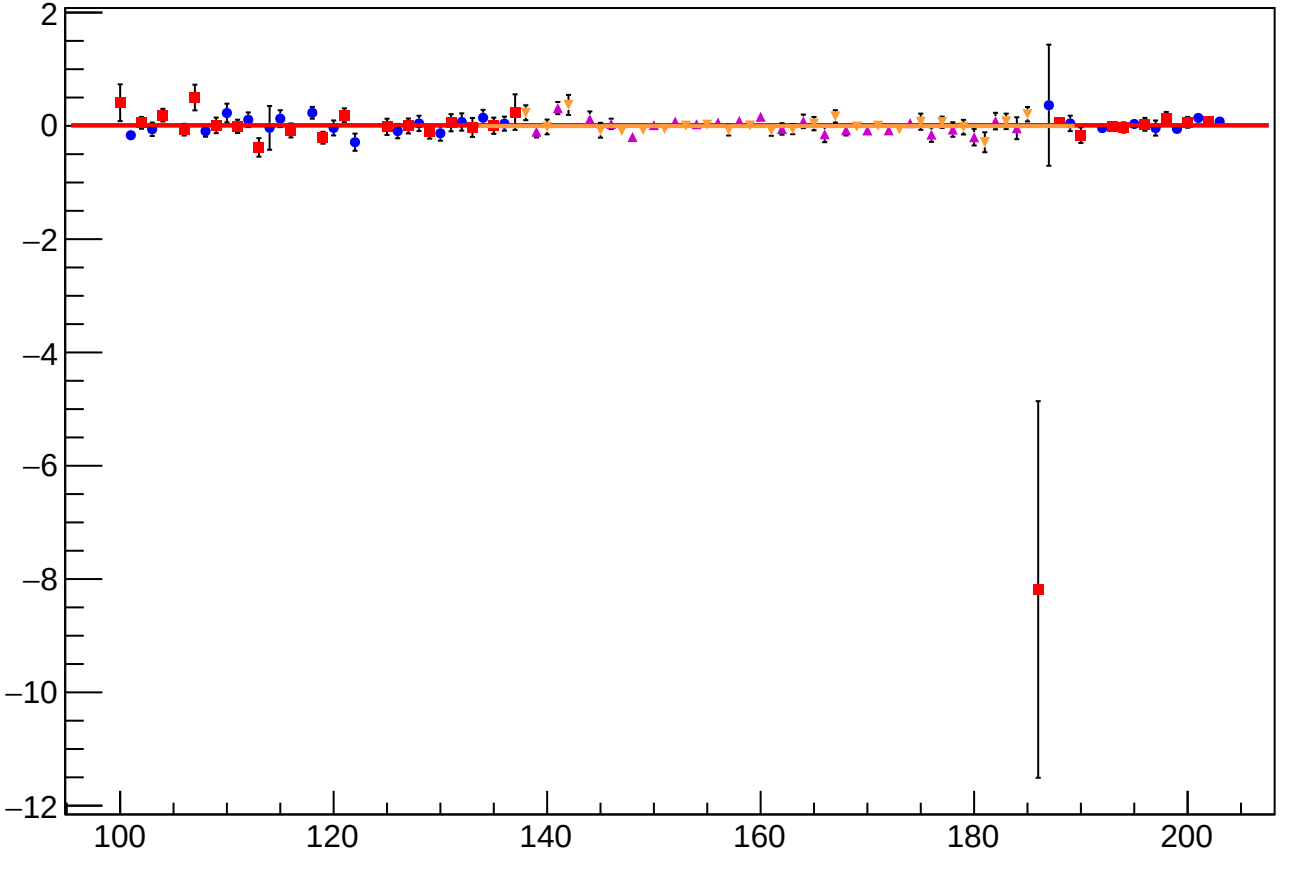
Right: 63.102+/-0.009 χ^2/NDF: 2254473.8/50

In: 63.126+/-0.008 χ^2/NDF:2450685.8/46

Out: 62.762+/-0.008 χ^2/NDF:3173484.5/50

All: 62.941+/-0.006 χ^2/NDF: 5625123.4/97

asym_us_avg_dit_vs_overload_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.007+/-0.023 χ^2/NDF: 25.2/23

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

Right Out: 0.012+/-0.023 χ^2/NDF: 34.3/26

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

Left: -0.001+/-0.015 χ^2/NDF: 51.9/46

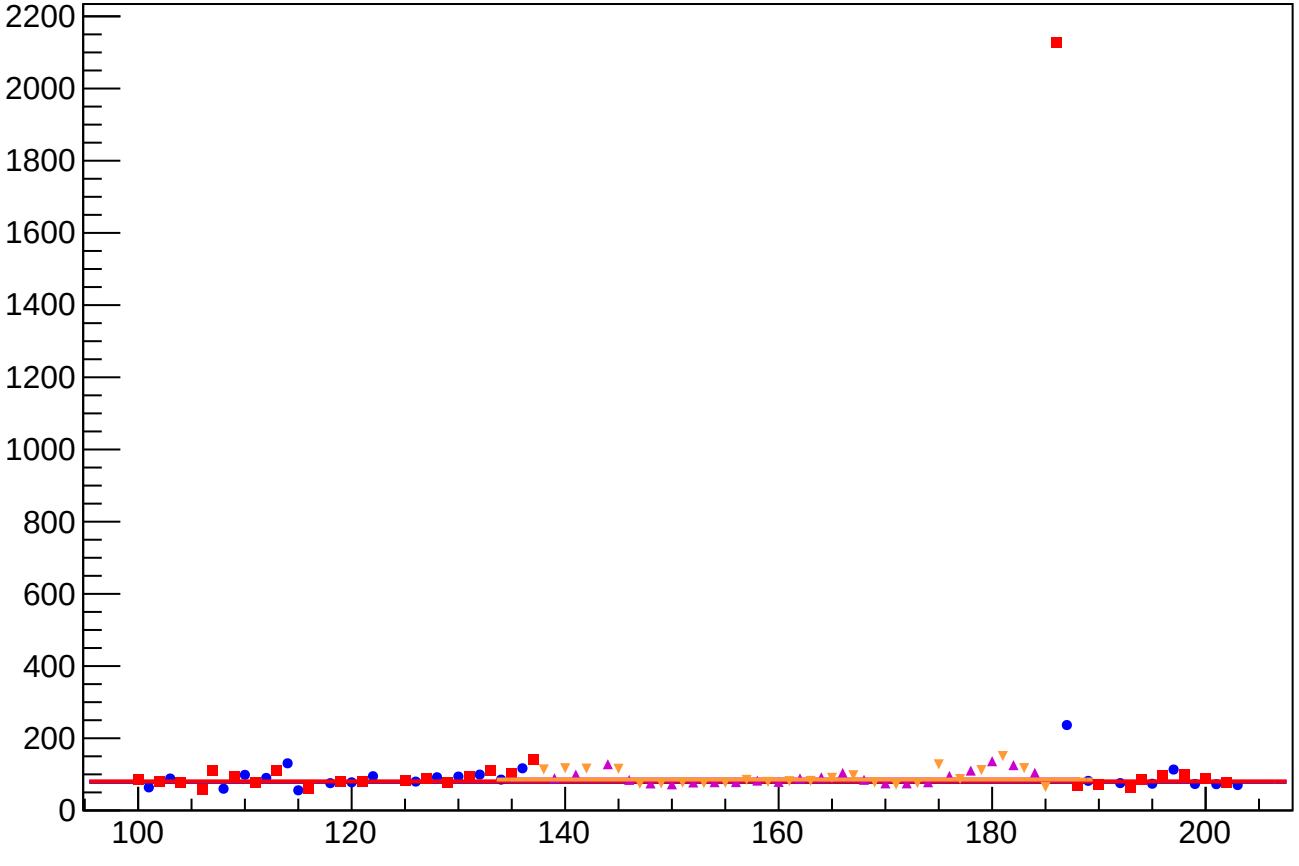
Right: 0.009+/-0.016 χ^2/NDF: 59.5/50

In: 0.004+/-0.015 χ^2/NDF:55.7/46

Out: 0.003+/-0.015 χ^2/NDF:55.9/50

All: 0.003+/-0.011 χ^2/NDF: 111.7/97

asym_us_avg_dit_vs_overload_cor_diff_rms vs Slug, Sign Corrected



Right In: 79.194+/-0.016 χ^2/NDF: 809597.6/23

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

Right Out: 80.404+/-0.016 χ^2/NDF: 1530506.9/26

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

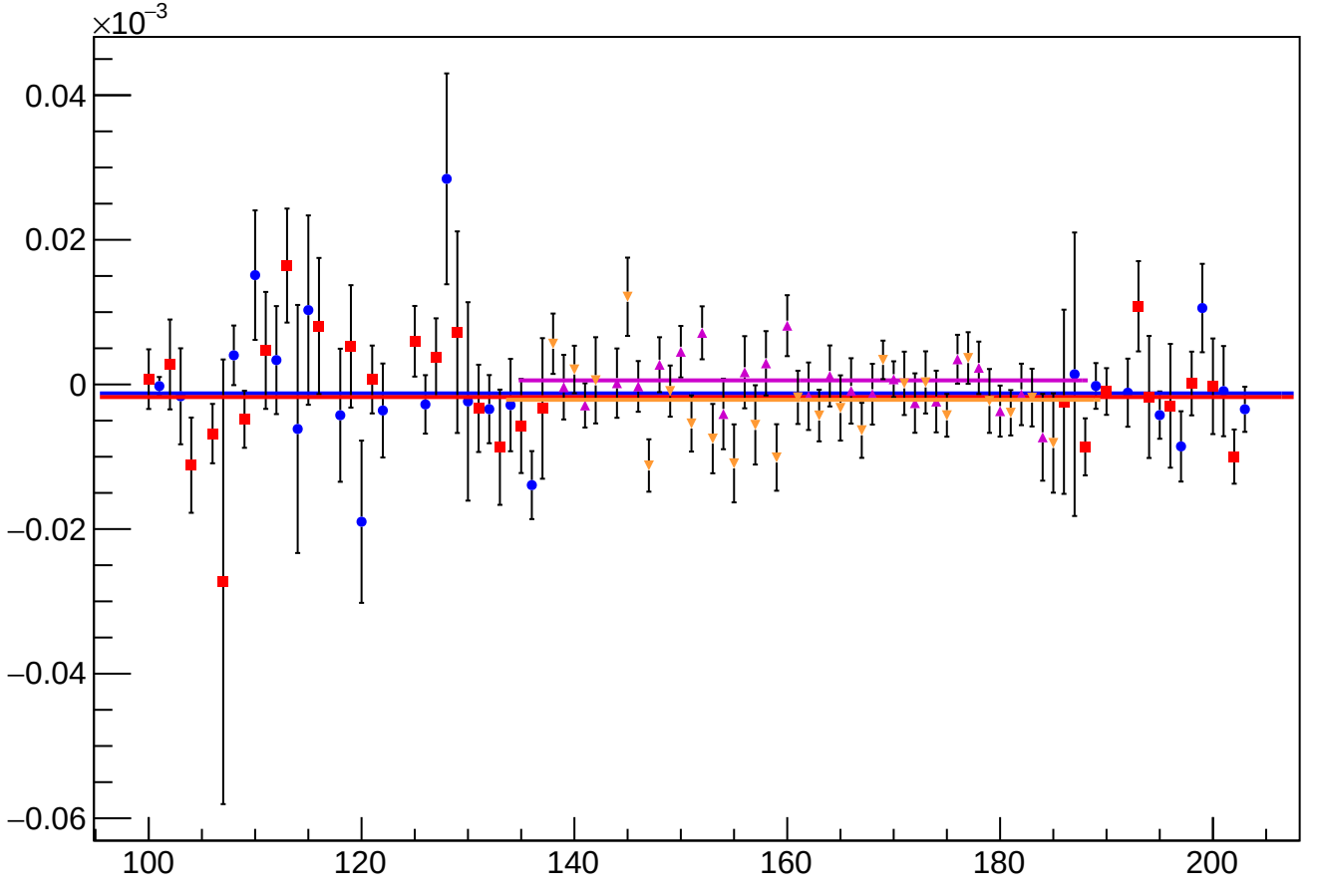
Left: 85.665+/-0.010 χ^2/NDF: 2348620.8/46

Right: 79.806+/-0.011 χ^2/NDF: 2342909.6/50

In: 82.777+/-0.011 χ^2/NDF:1893484.7/46

Out: 83.272+/-0.011 χ^2/NDF:2941589.6/50

All: 83.026+/-0.008 χ^2/NDF: 4836118.4/97



Right In: -0.000+/-0.000 χ^2/NDF: 28.9/23

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

Right Out: -0.000+/-0.000 χ^2/NDF: 31.1/26

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

Left: -0.000+/-0.000 χ^2/NDF: 59.5/46

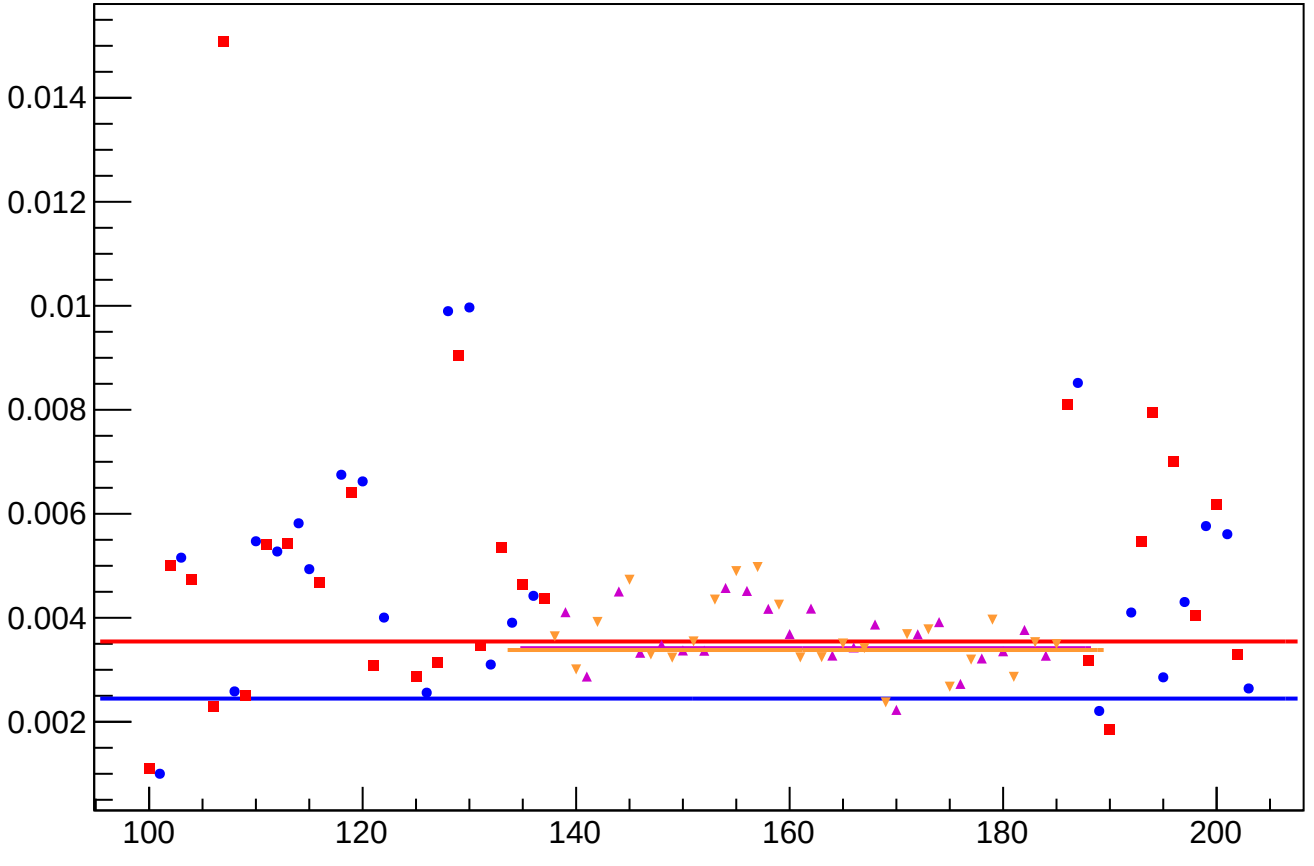
Right: -0.000+/-0.000 χ^2/NDF: 60.2/50

In: -0.000+/-0.000 χ^2/NDF:47.9/46

Out: -0.000+/-0.000 χ^2/NDF:68.7/50

All: -0.000+/-0.000 χ^2/NDF: 120.3/97

asym_us_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.002+/-0.000 χ^2/NDF: 7980597.1/23

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

Right Out: 0.004+/-0.000 χ^2/NDF: 4743542.5/26

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

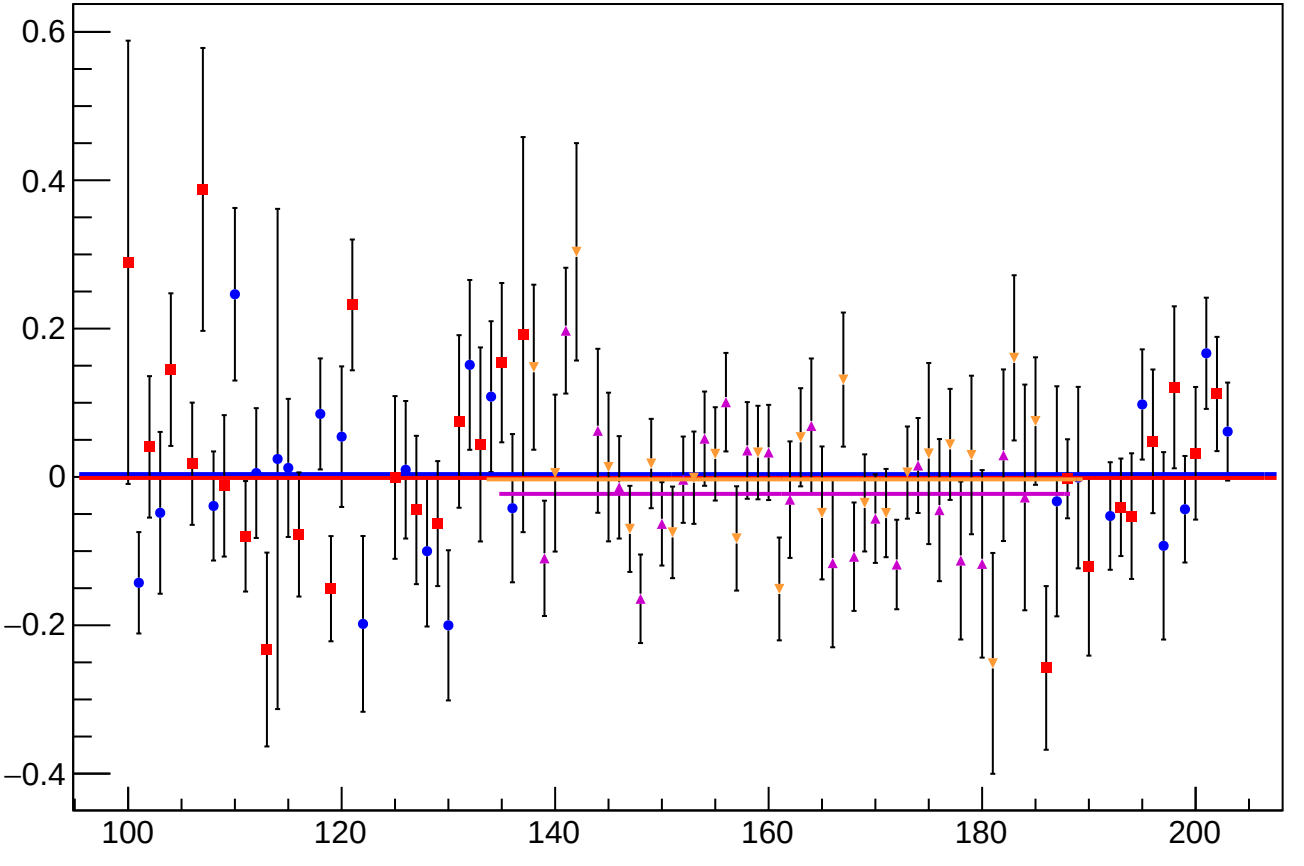
Left: 0.003+/-0.000 χ^2/NDF: 2367900.3/46

Right: 0.003+/-0.000 χ^2/NDF: 14014637.4/50

In: 0.003+/-0.000 χ^2/NDF:10525307.2/46

Out: 0.003+/-0.000 χ^2/NDF:5968789.0/50

All: 0.003+/-0.000 χ^2/NDF: 17138222.1/97


asym_us_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected
0.6
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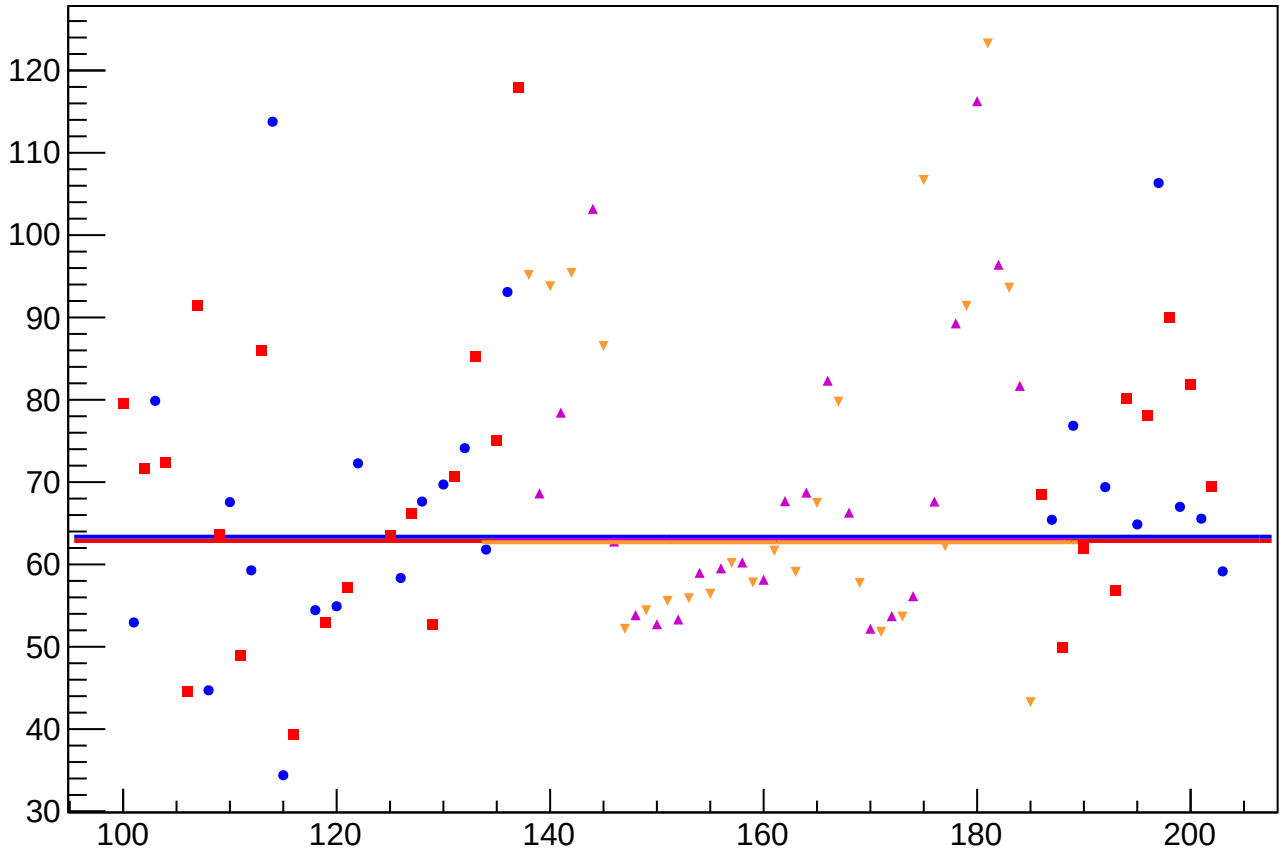
180
200
Right In: 0.004+/-0.019 χ²/NDF: 30.7/23
Left Out: -0.003+/-0.015 χ²/NDF:25.9/23
Right Out: -0.001+/-0.018 χ²/NDF: 38.7/26
Left In: -0.023+/-0.015 χ²/NDF:29.0/22
Left: -0.013+/-0.011 χ²/NDF: 55.7/46
Right: 0.001+/-0.013 χ²/NDF: 69.4/50
In: -0.012+/-0.012 χ²/NDF:60.8/46
Out: -0.002+/-0.012 χ²/NDF:64.6/50
All: -0.007+/-0.008 χ²/NDF: 125.8/97



Right In: 63.370+/-0.013 χ^2/NDF: 1019700.4/23

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

Right Out: 62.851+/-0.013 χ^2/NDF: 1233939.8/26

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

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

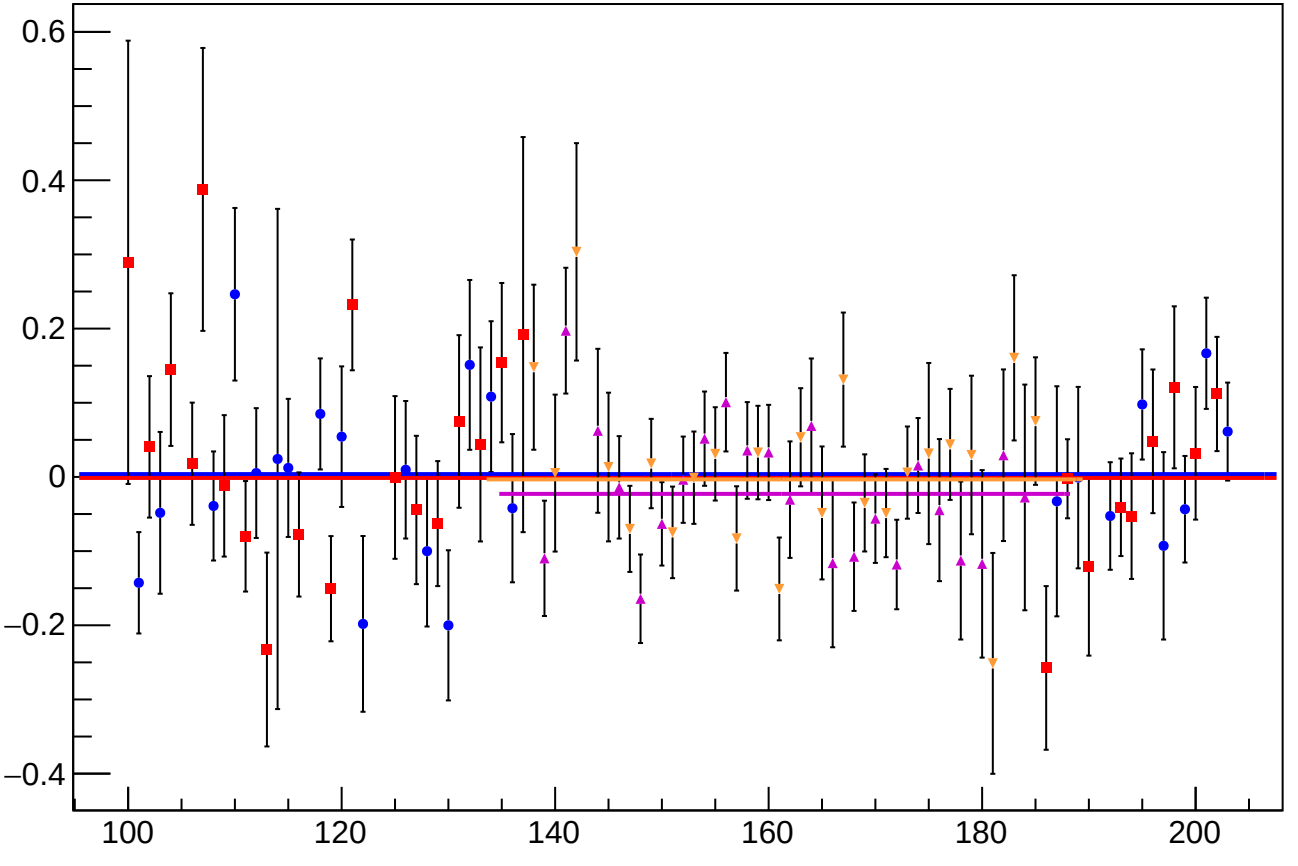
Right: 63.101+/-0.009 χ^2/NDF: 2254450.7/50

In: 63.126+/-0.008 χ^2/NDF:2450688.0/46

Out: 62.761+/-0.008 χ^2/NDF:3173410.9/50

All: 62.941+/-0.006 χ^2/NDF: 5625052.6/97

asym_us_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.004+/-0.019 χ^2/NDF: 30.7/23

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

Right Out: -0.001+/-0.018 χ^2/NDF: 38.7/26

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

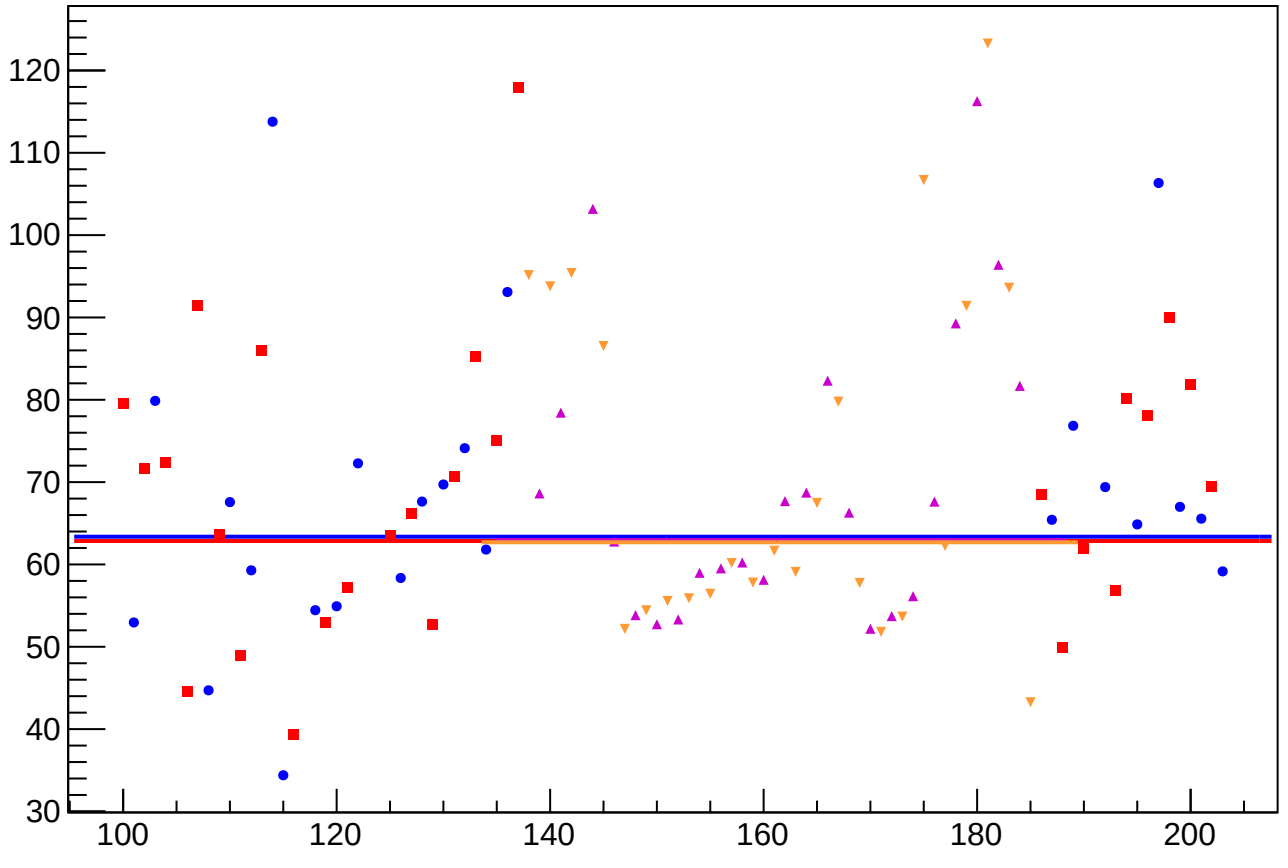
Left: -0.013+/-0.011 χ^2/NDF: 55.7/46

Right: 0.001+/-0.013 χ^2/NDF: 69.4/50

In: -0.012+/-0.012 χ^2/NDF:60.8/46

Out: -0.002+/-0.012 χ^2/NDF:64.6/50

All: -0.007+/-0.008 χ^2/NDF: 125.8/97



Right In: 63.370+/-0.013 χ^2/NDF: 1019700.4/23

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

Right Out: 62.851+/-0.013 χ^2/NDF: 1233939.8/26

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

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

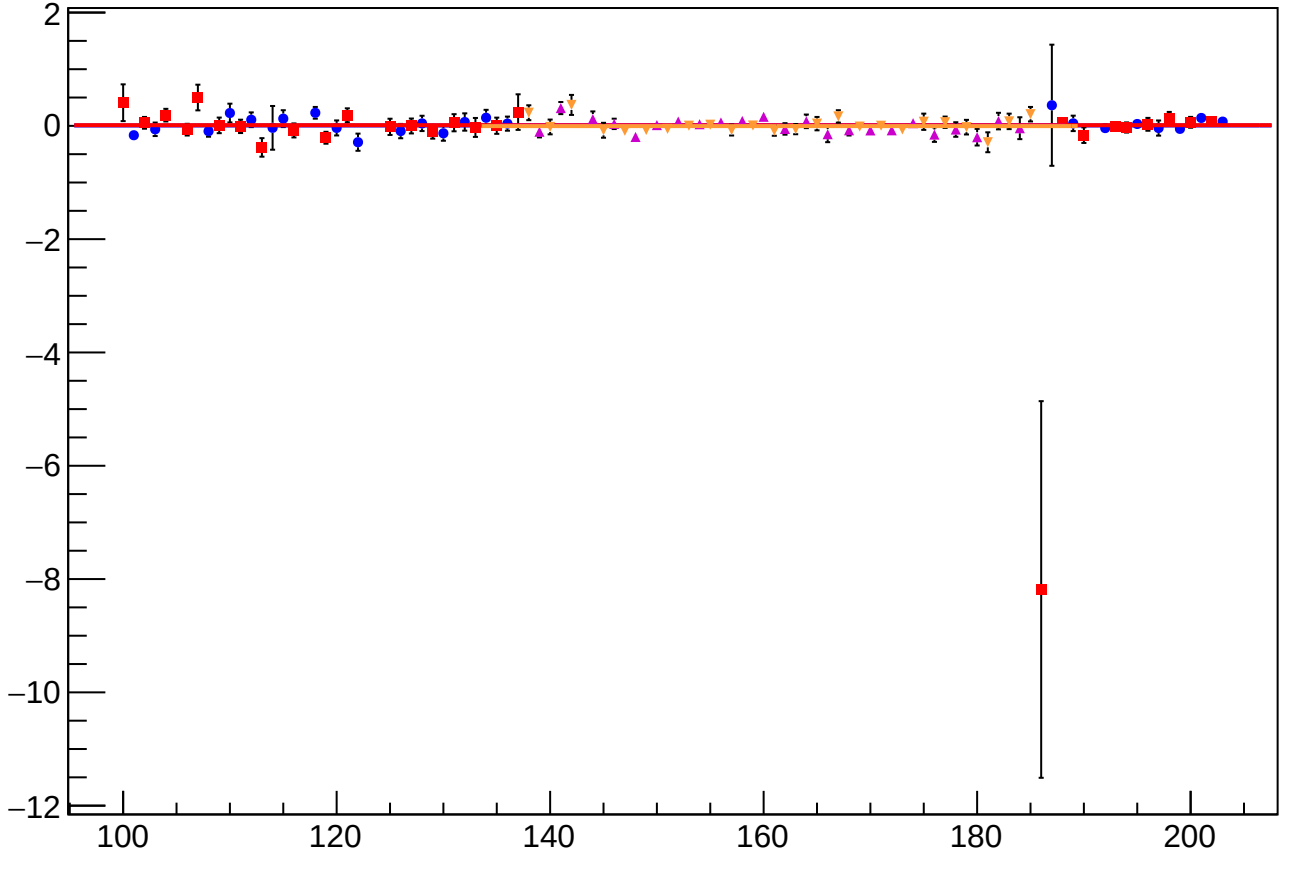
Right: 63.101+/-0.009 χ^2/NDF: 2254450.7/50

In: 63.126+/-0.008 χ^2/NDF:2450688.0/46

Out: 62.761+/-0.008 χ^2/NDF:3173410.9/50

All: 62.941+/-0.006 χ^2/NDF: 5625052.6/97

asym_us_avg_eigen_dit_vs_overload_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.007+/-0.023 χ^2/NDF: 25.2/23

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

Right Out: 0.012+/-0.023 χ^2/NDF: 34.3/26

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

Left: -0.001+/-0.015 χ^2/NDF: 51.9/46

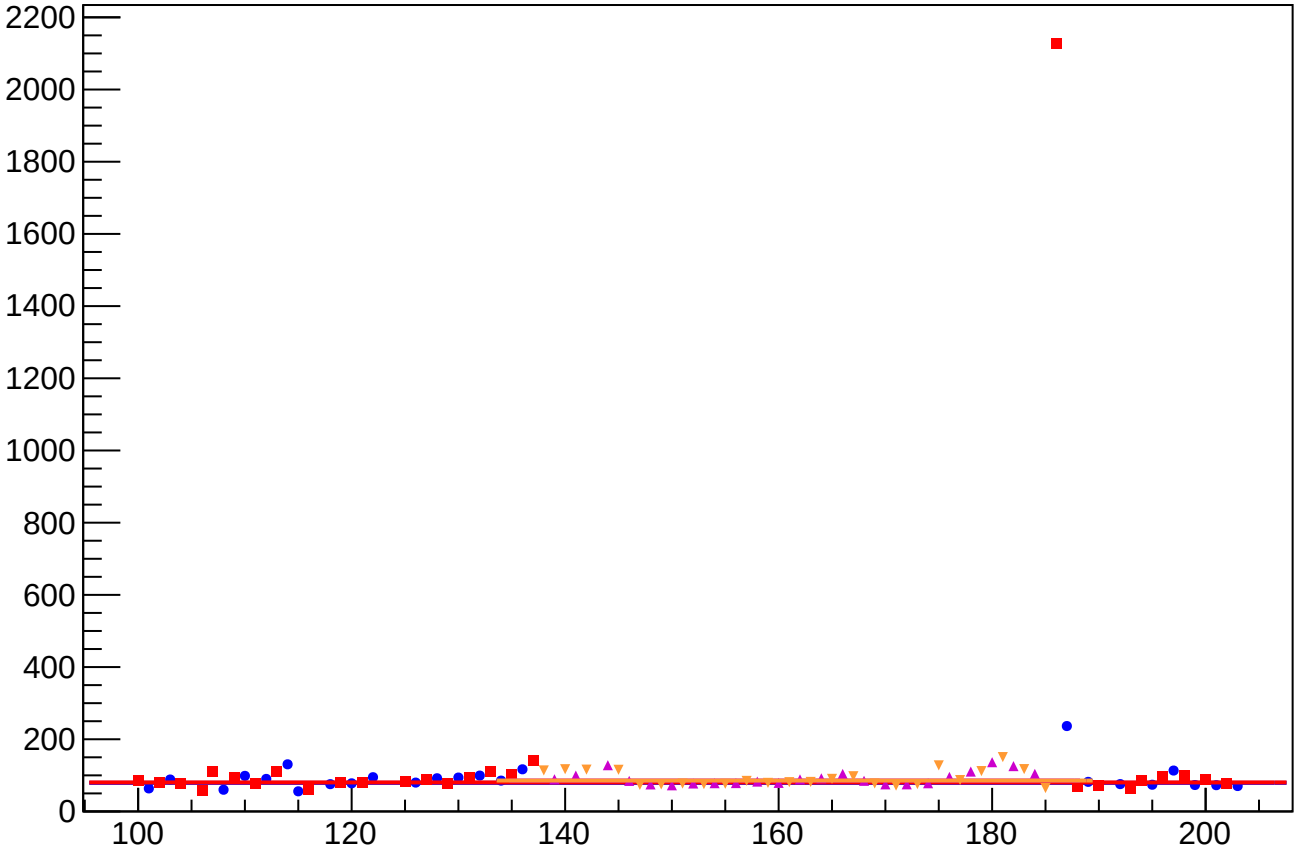
Right: 0.009+/-0.016 χ^2/NDF: 59.5/50

In: 0.004+/-0.015 χ^2/NDF:55.7/46

Out: 0.003+/-0.015 χ^2/NDF:55.9/50

All: 0.003+/-0.011 χ^2/NDF: 111.7/97

asym_us_avg_eigen_dit_vs_overload_cor_diff_rms vs Slug, Sign Corrected



Right In: 79.194+/-0.016 χ^2/NDF: 809569.6/23

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

Right Out: 80.403+/-0.016 χ^2/NDF: 1530468.7/26

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

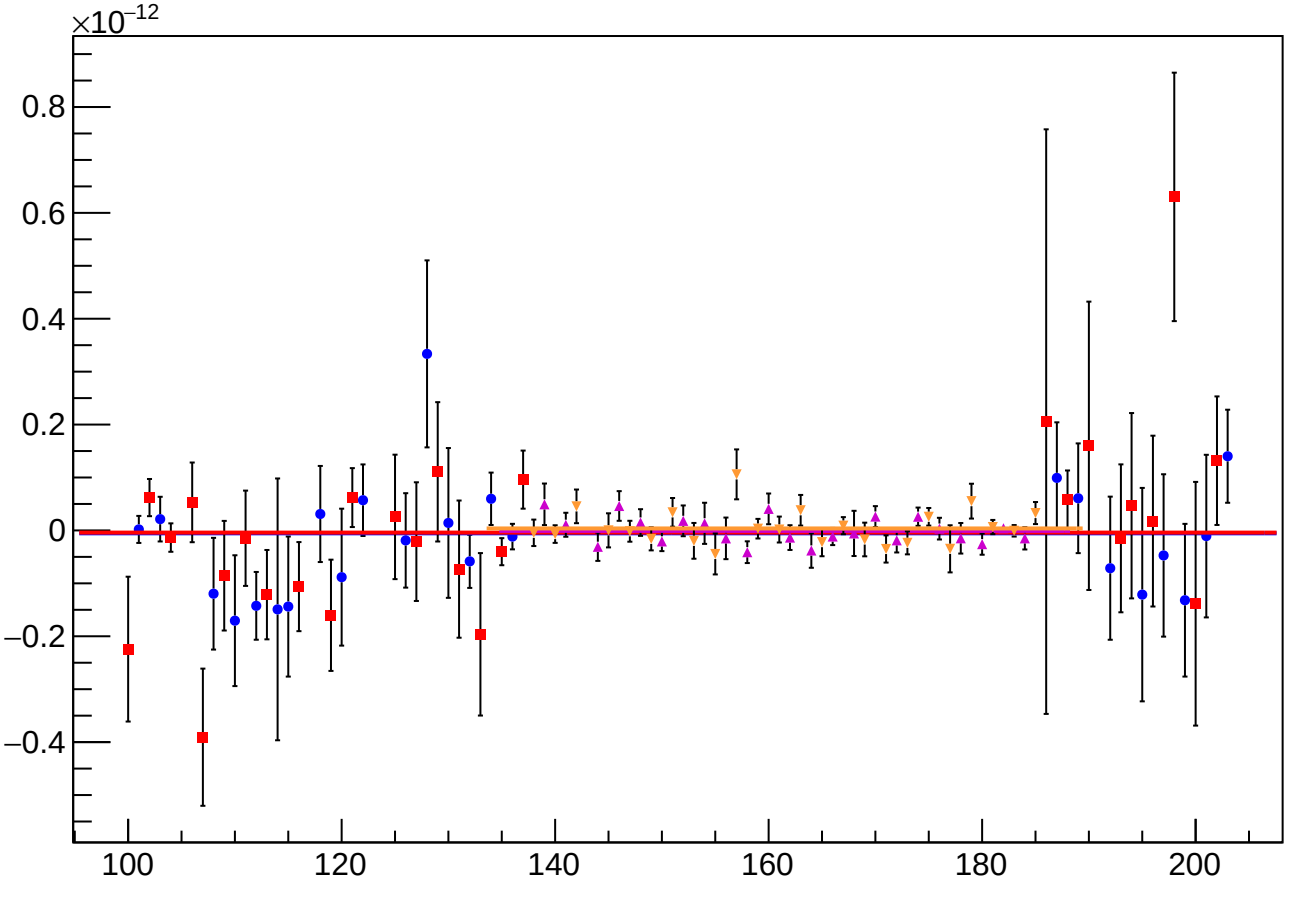
Left: 85.665+/-0.010 χ^2/NDF: 2348601.5/46

Right: 79.805+/-0.011 χ^2/NDF: 2342841.9/50

In: 82.777+/-0.011 χ^2/NDF:1893465.1/46

Out: 83.272+/-0.011 χ^2/NDF:2941566.0/50

All: 83.026+/-0.008 χ^2/NDF: 4836074.7/97



Right In: -0.000+/-0.000 χ^2/NDF: 23.1/23

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

Right Out: -0.000+/-0.000 χ^2/NDF: 42.2/26

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

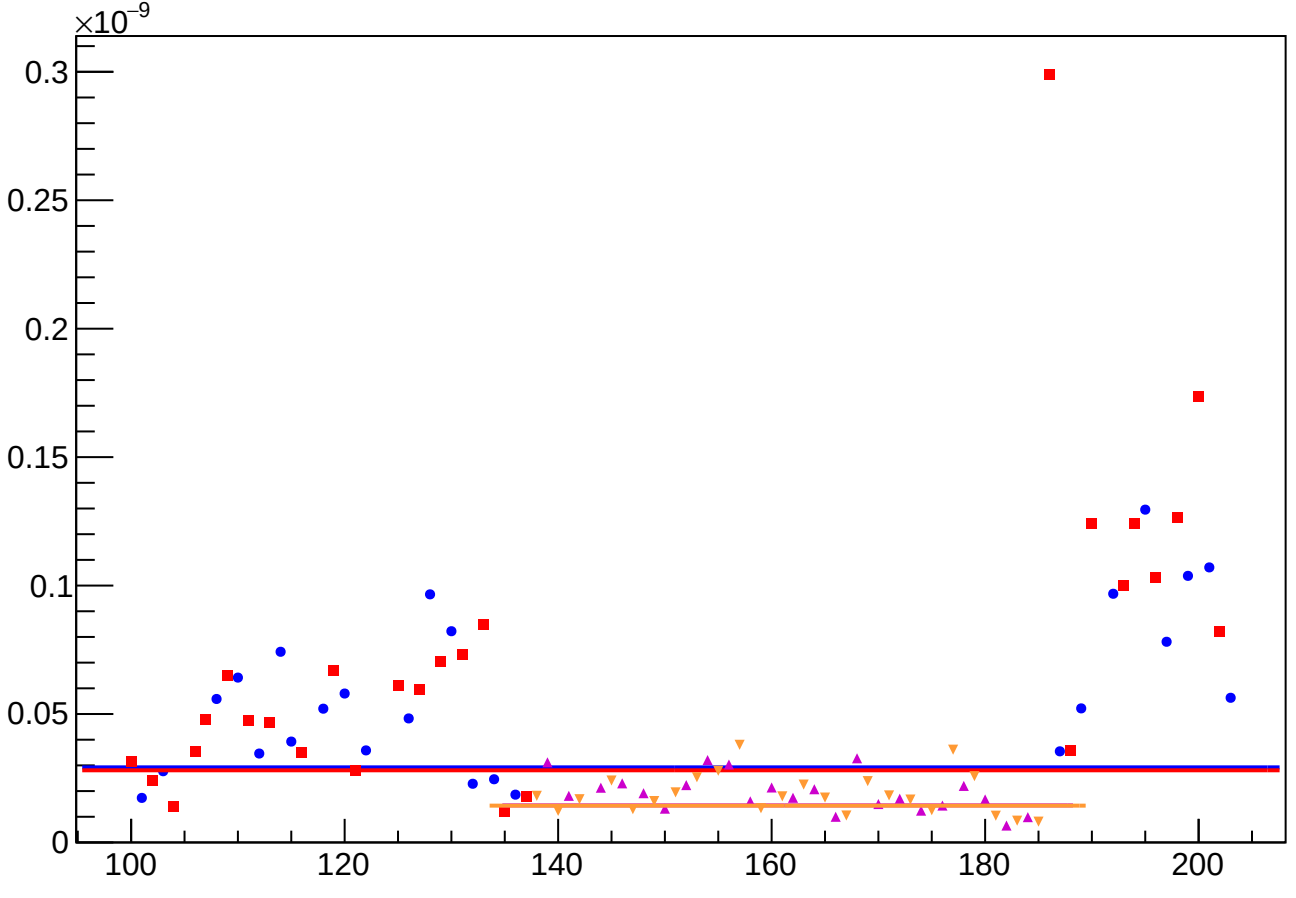
Left: 0.000+/-0.000 χ^2/NDF: 49.2/46

Right: -0.000+/-0.000 χ^2/NDF: 65.3/50

In: -0.000+/-0.000 χ^2/NDF:46.8/46

Out: 0.000+/-0.000 χ^2/NDF:67.5/50

All: 0.000+/-0.000 χ^2/NDF: 114.9/97



Right In: 0.000+/-0.000 χ^2/NDF: 4699779.6/23

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

Right Out: 0.000+/-0.000 χ^2/NDF: 7147481.4/26

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

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

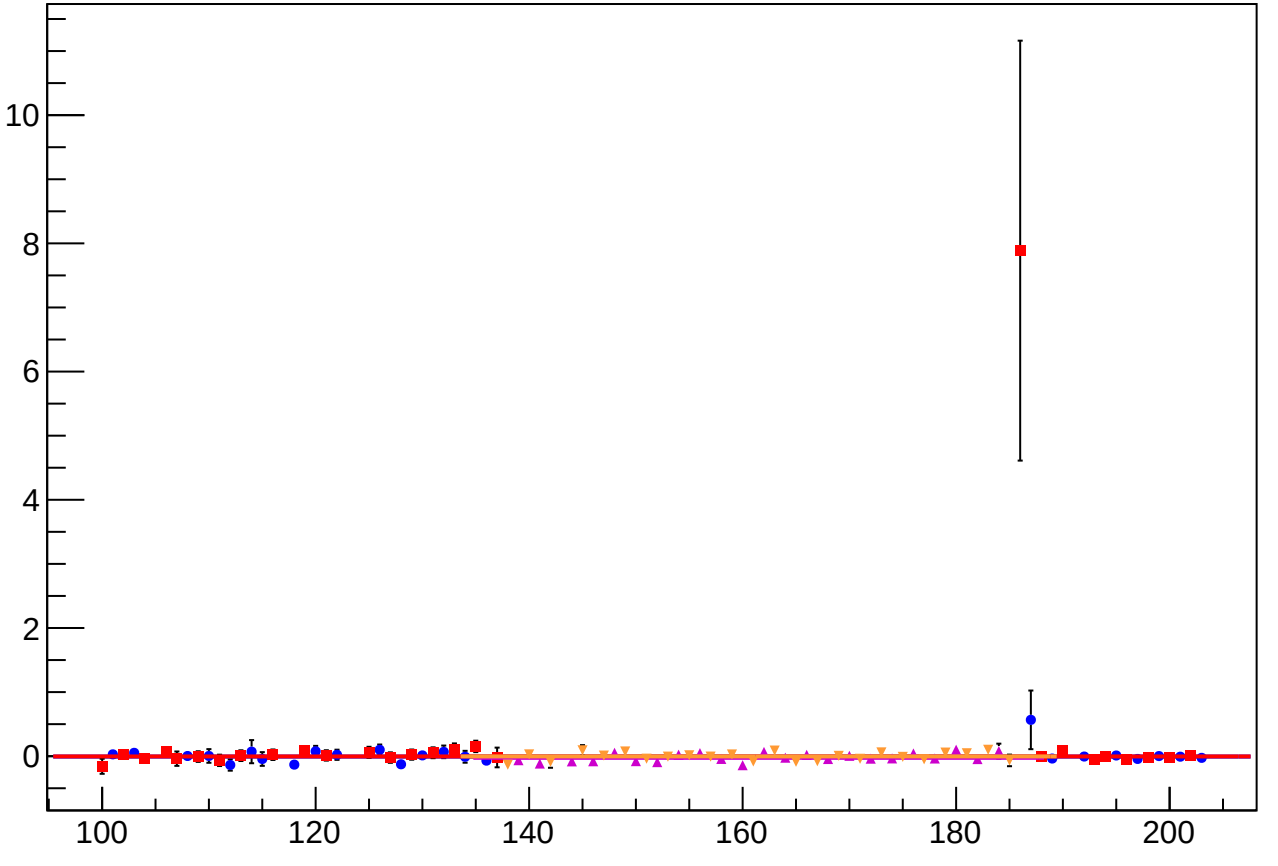
Right: 0.000+/-0.000 χ^2/NDF: 11855330.0/50

In: 0.000+/-0.000 χ^2/NDF:11389113.3/46

Out: 0.000+/-0.000 χ^2/NDF:12840177.6/50

All: 0.000+/-0.000 χ^2/NDF: 24232981.1/97

asym_us_avg_overload_cor_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.006+/-0.009 χ^2/NDF: 20.2/23

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

Right Out: -0.004+/-0.009 χ^2/NDF: 29.6/26

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

Left: -0.014+/-0.009 χ^2/NDF: 49.0/46

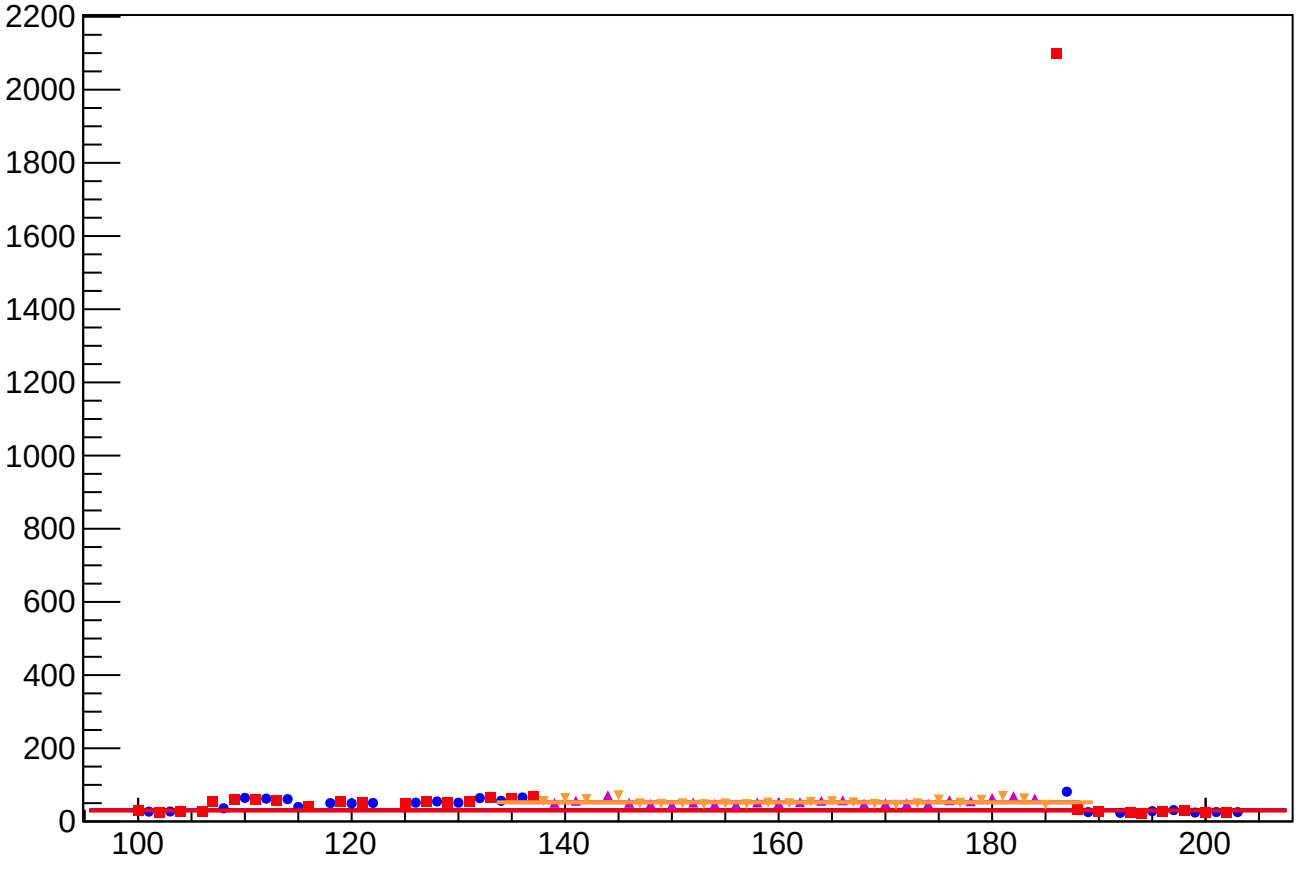
Right: -0.005+/-0.006 χ^2/NDF: 49.8/50

In: -0.013+/-0.007 χ^2/NDF:46.1/46

Out: -0.004+/-0.007 χ^2/NDF:52.7/50

All: -0.008+/-0.005 χ^2/NDF: 99.5/97

asym_us_avg_overload_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 30.784+/-0.007 χ^2/NDF: 2795239.5/23

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

Right Out: 29.984+/-0.006 χ^2/NDF: 3794497.7/26

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

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

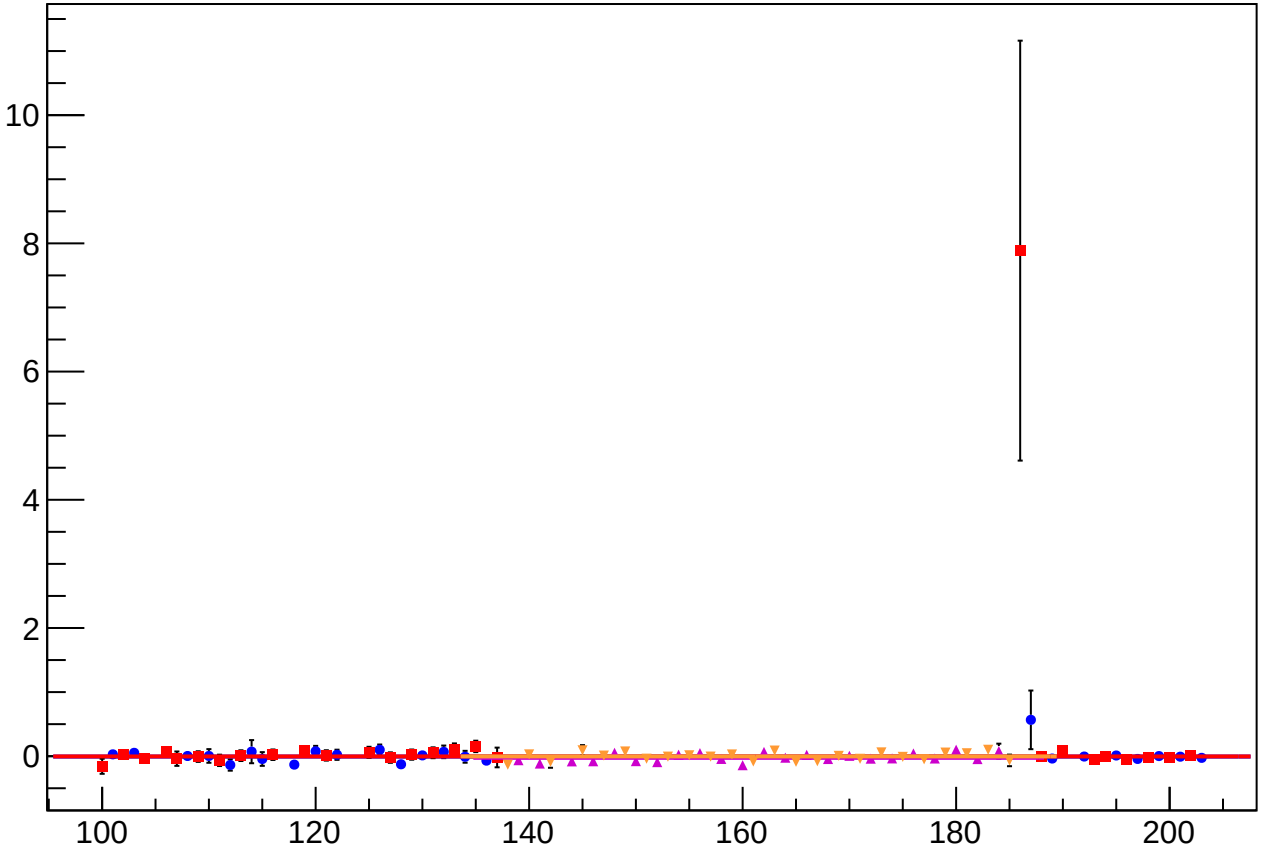
Right: 30.365+/-0.005 χ^2/NDF: 6597476.6/50

In: 38.524+/-0.005 χ^2/NDF:7110518.3/46

Out: 37.552+/-0.005 χ^2/NDF:8614760.4/50

All: 38.021+/-0.004 χ^2/NDF: 15742791.2/97

asym_us_avg_overload_cor_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.006+/-0.009 χ^2/NDF: 20.2/23

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

Right Out: -0.004+/-0.009 χ^2/NDF: 29.6/26

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

Left: -0.014+/-0.009 χ^2/NDF: 49.0/46

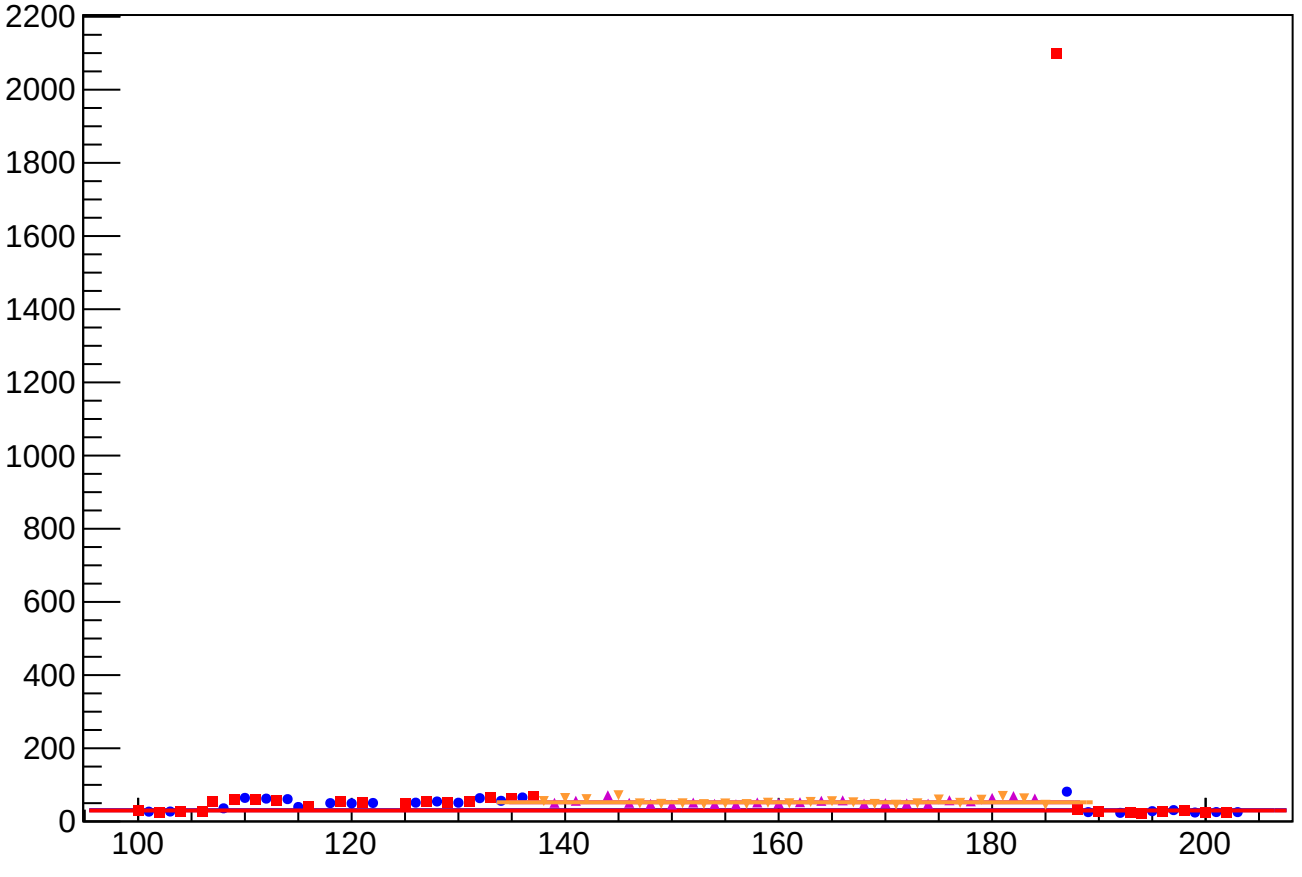
Right: -0.005+/-0.006 χ^2/NDF: 49.8/50

In: -0.013+/-0.007 χ^2/NDF:46.1/46

Out: -0.004+/-0.007 χ^2/NDF:52.7/50

All: -0.008+/-0.005 χ^2/NDF: 99.5/97

asym_us_avg_overload_cor_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 30.784+/-0.007 χ^2/NDF: 2795239.5/23

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

Right Out: 29.984+/-0.006 χ^2/NDF: 3794497.7/26

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

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

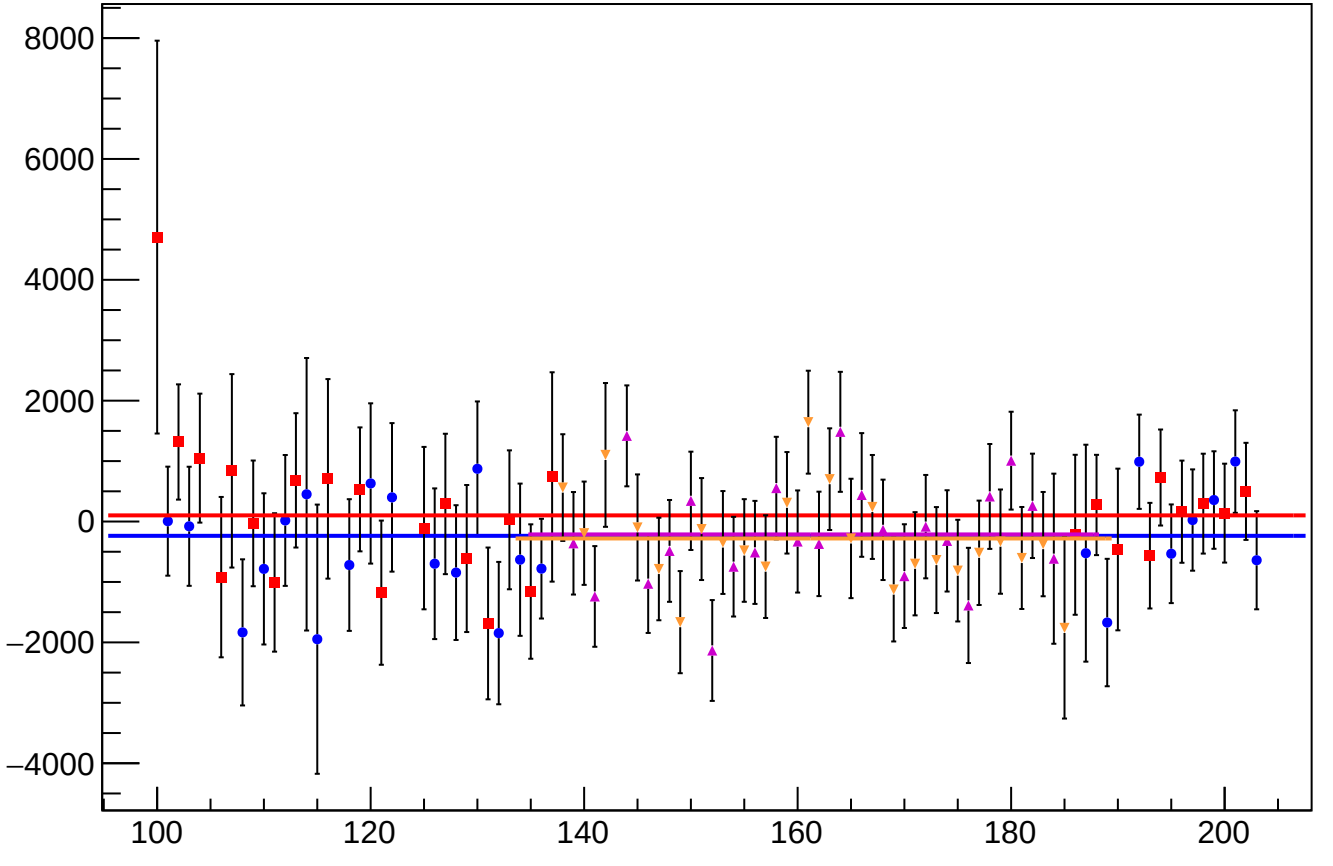
Right: 30.365+/-0.005 χ^2/NDF: 6597476.6/50

In: 38.524+/-0.005 χ^2/NDF:7110518.3/46

Out: 37.552+/-0.005 χ^2/NDF:8614760.4/50

All: 38.021+/-0.004 χ^2/NDF: 15742791.2/97

reg_asym_us_dd_mean vs Slug, Sign Corrected



Right In: -236.546+/-212.257 χ^2/NDF: 15.0/23

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

Right Out: 101.777+/-206.583 χ^2/NDF: 13.5/26

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

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

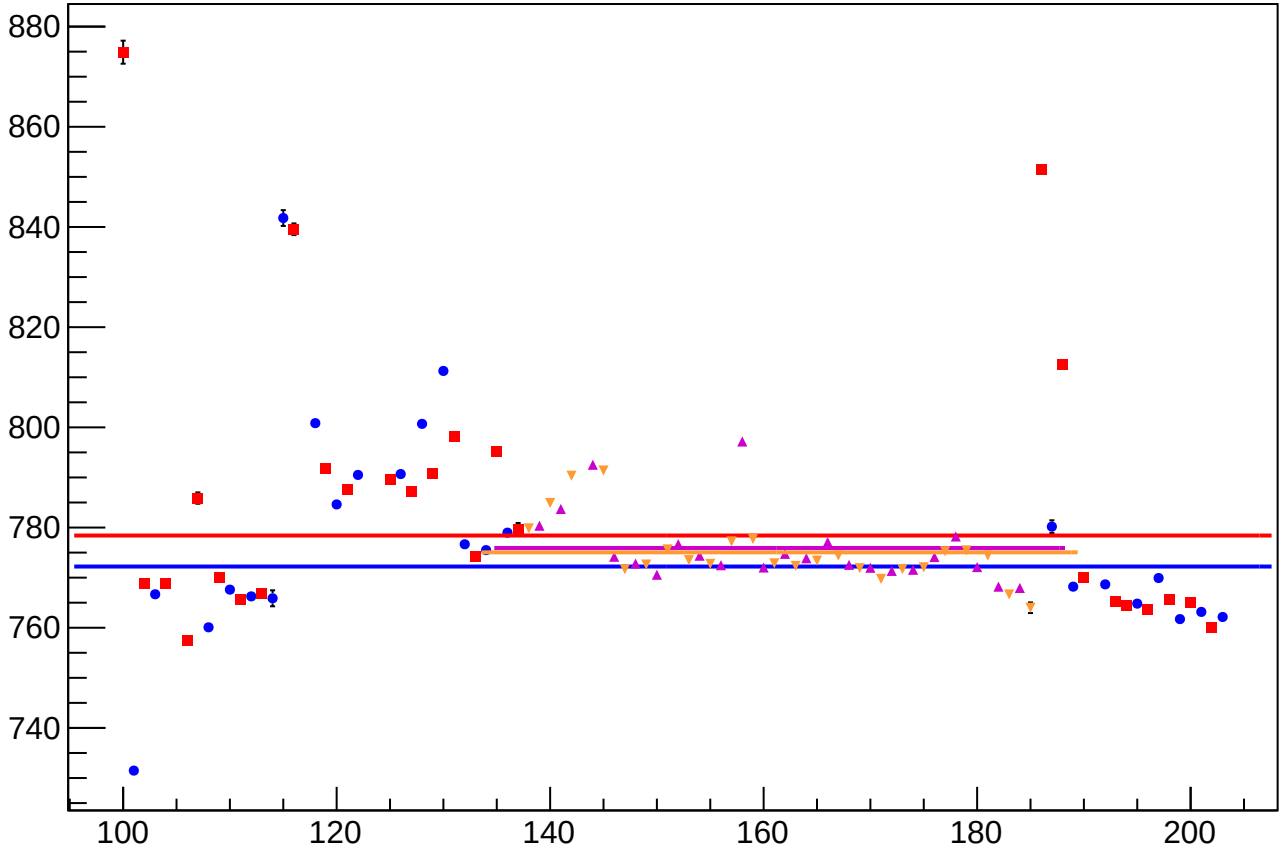
Right: -62.802+/-148.042 χ^2/NDF: 29.8/50

In: -223.170+/-137.798 χ^2/NDF:37.3/46

Out: -115.572+/-135.660 χ^2/NDF:31.6/50

All: -168.529+/-96.673 χ^2/NDF: 69.2/97

reg_asym_us_dd_rms vs Slug, Sign Corrected



Right In: 772.219+/-0.150 χ^2/NDF: 13931.9/23

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

Right Out: 778.409+/-0.146 χ^2/NDF: 21228.5/26

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

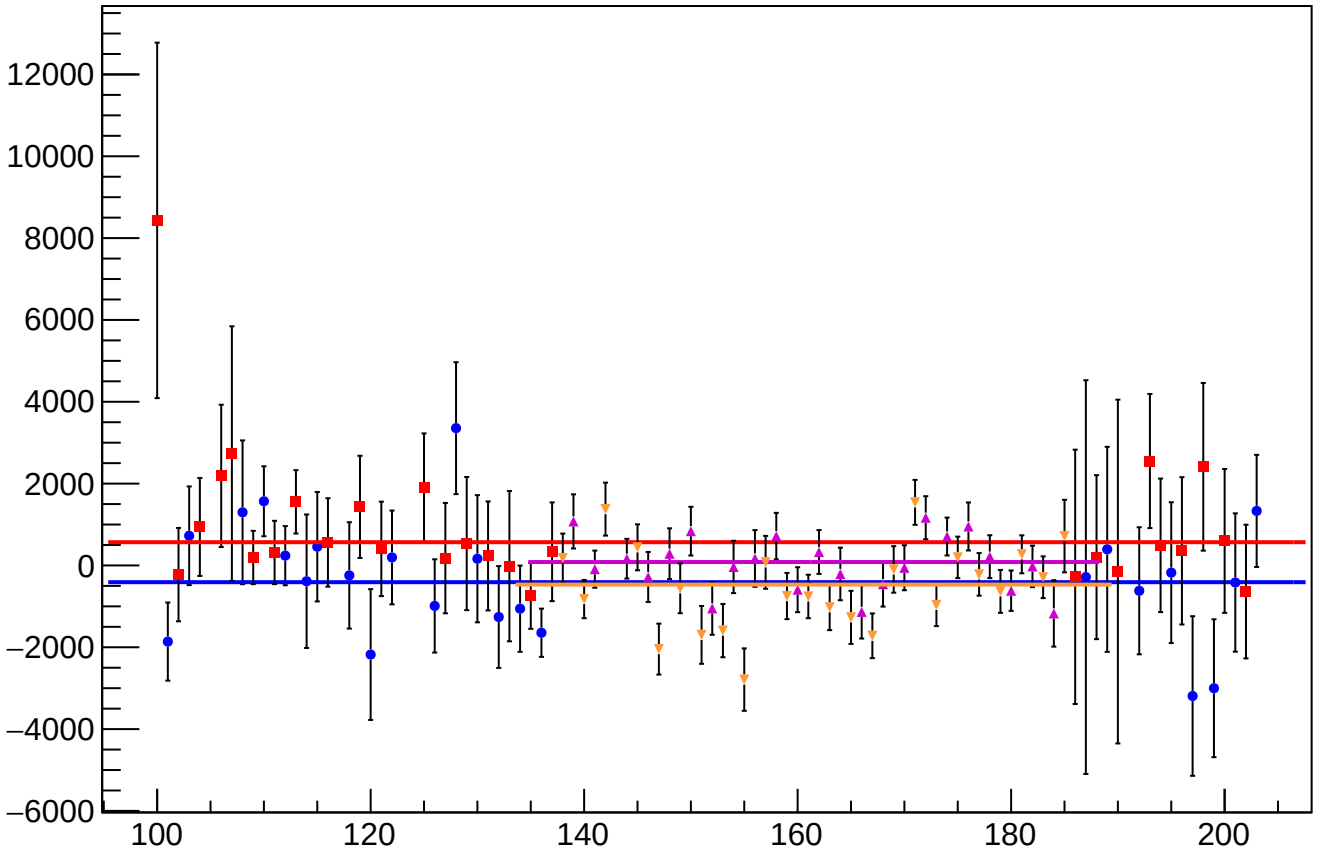
Left: 775.483+/-0.090 χ^2/NDF: 4947.6/46

Right: 775.398+/-0.105 χ^2/NDF: 36034.0/50

In: 774.361+/-0.097 χ^2/NDF:17257.0/46

Out: 776.498+/-0.096 χ^2/NDF:23480.7/50

All: 775.446+/-0.068 χ^2/NDF: 40982.0/97



Right In: -409.308+/-246.097 χ^2/NDF: 29.5/23

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

Right Out: 568.038+/-243.471 χ^2/NDF: 14.7/26

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

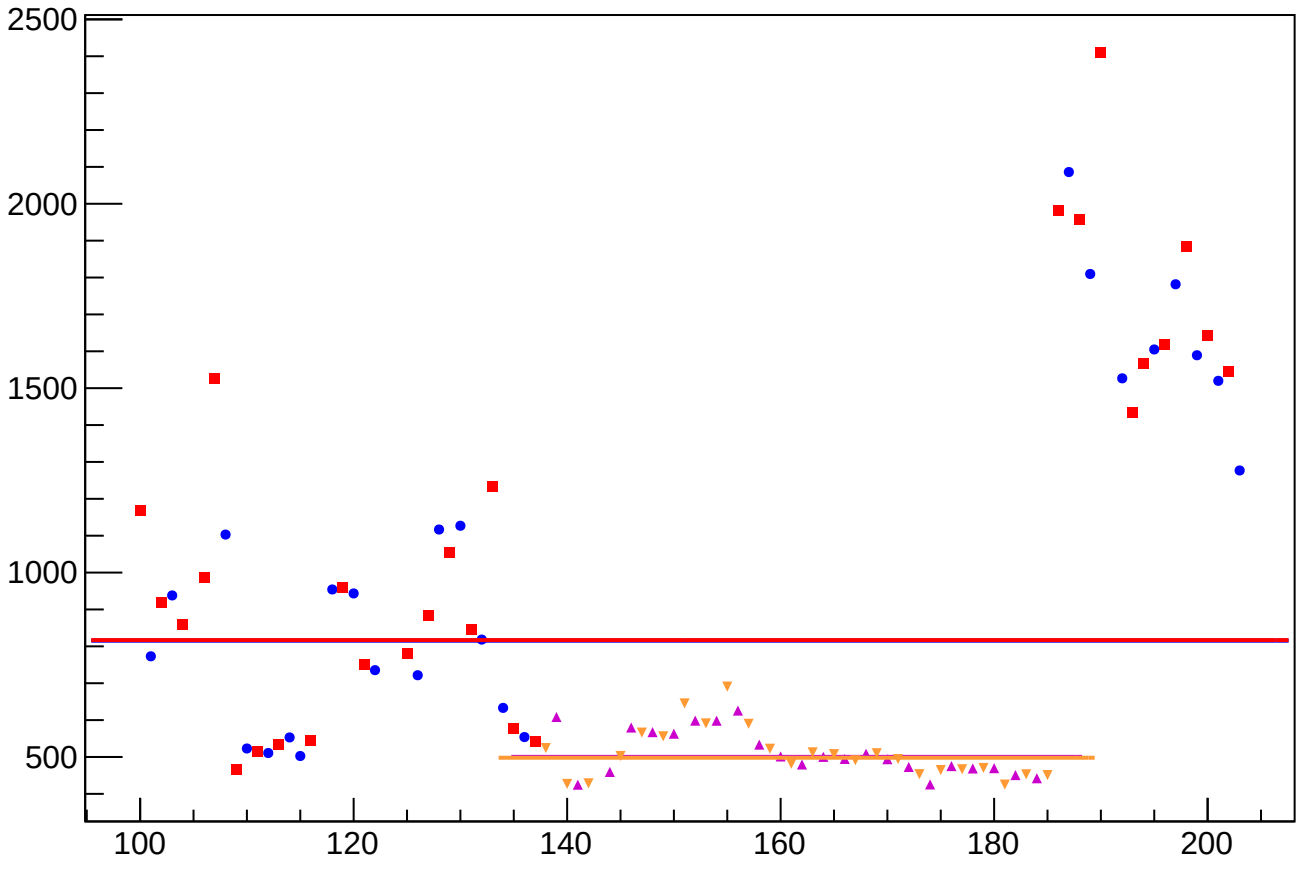
Left: -194.569+/-82.913 χ^2/NDF: 103.6/46

Right: 84.608+/-173.081 χ^2/NDF: 52.1/50

In: -8.658+/-106.260 χ^2/NDF:60.8/46

Out: -273.720+/-105.245 χ^2/NDF:93.8/50

All: -142.461+/-74.776 χ^2/NDF: 157.8/97



Right In: 815.309+/-0.174 χ^2/NDF: 4272218.8/23

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

Right Out: 816.954+/-0.172 χ^2/NDF: 5592565.8/26

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

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

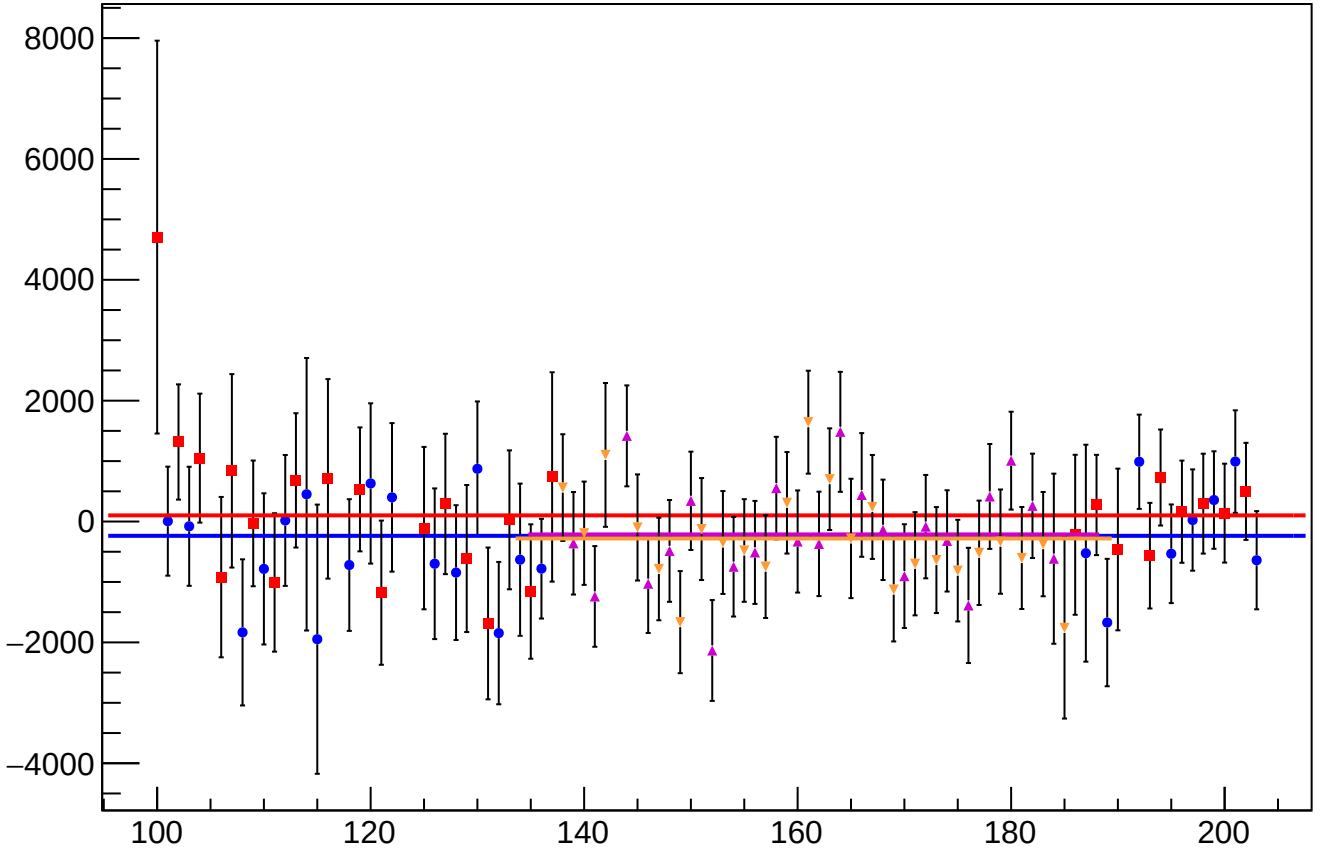
Right: 816.140+/-0.122 χ^2/NDF: 9864829.7/50

In: 559.034+/-0.075 χ^2/NDF:7415461.8/46

Out: 557.571+/-0.074 χ^2/NDF:8911144.5/50

All: 558.295+/-0.053 χ^2/NDF: 16326797.9/97

cor_asym_us_dd_mean vs Slug, Sign Corrected



Right In: -236.546+/-212.257 χ^2/NDF: 15.0/23

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

Right Out: 101.777+/-206.583 χ^2/NDF: 13.5/26

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

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

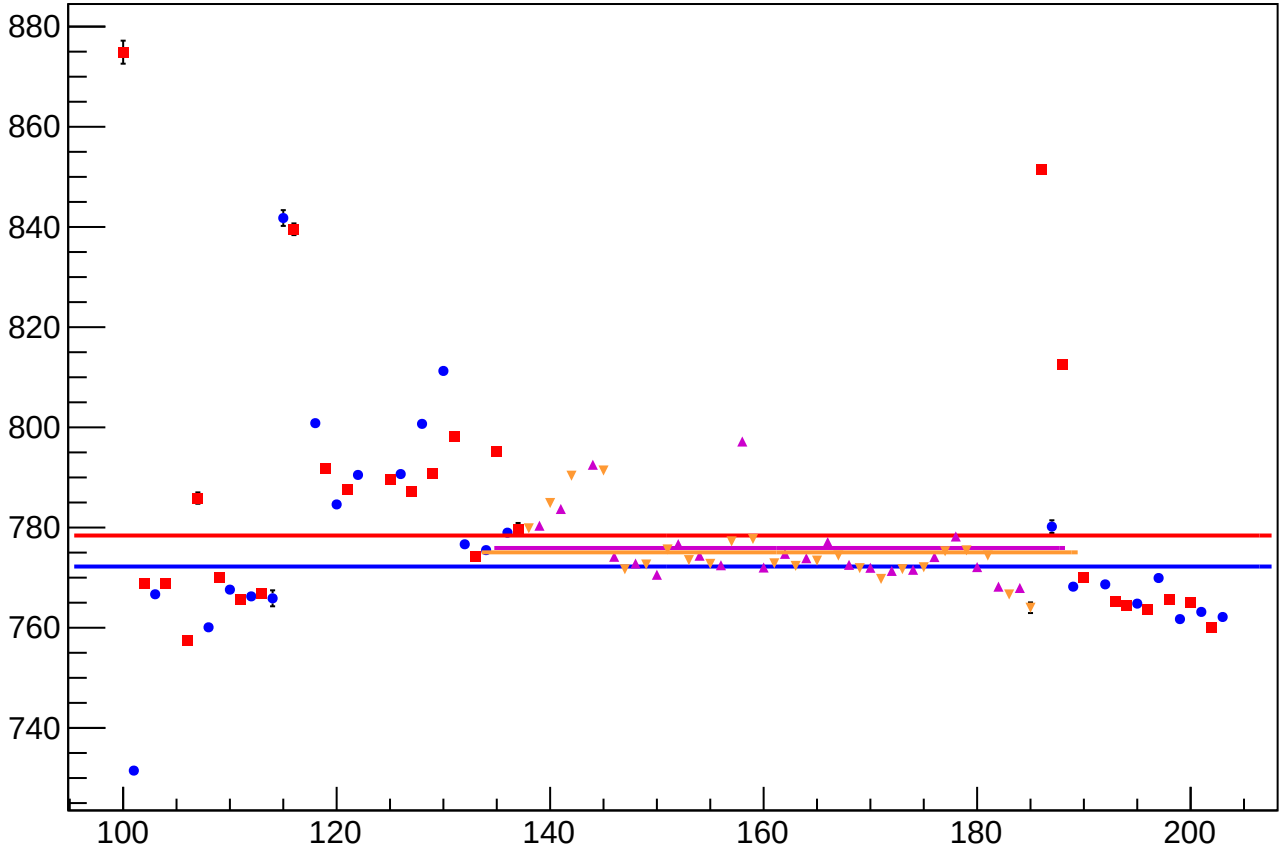
Right: -62.802+/-148.042 χ^2/NDF: 29.8/50

In: -223.170+/-137.798 χ^2/NDF:37.3/46

Out: -115.572+/-135.660 χ^2/NDF:31.6/50

All: -168.529+/-96.673 χ^2/NDF: 69.2/97

cor_asym_us_dd_rms vs Slug, Sign Corrected



Right In: 772.219+/-0.150 χ^2/NDF: 13931.9/23

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

Right Out: 778.409+/-0.146 χ^2/NDF: 21228.5/26

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

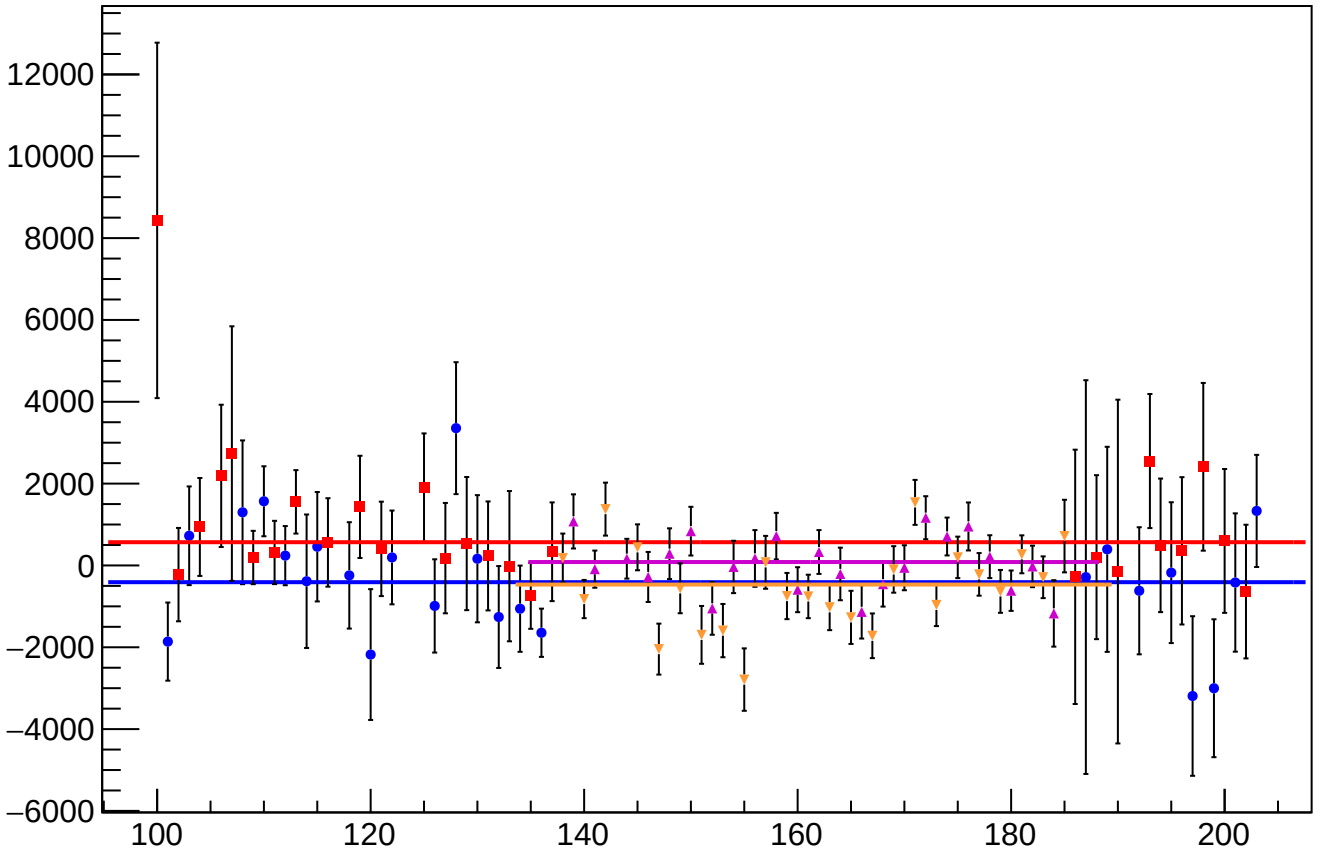
Left: 775.483+/-0.090 χ^2/NDF: 4947.6/46

Right: 775.398+/-0.105 χ^2/NDF: 36034.0/50

In: 774.361+/-0.097 χ^2/NDF:17257.0/46

Out: 776.498+/-0.096 χ^2/NDF:23480.7/50

All: 775.446+/-0.068 χ^2/NDF: 40982.0/97



Right In: -409.308+/-246.097 χ^2/NDF: 29.5/23

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

Right Out: 568.038+/-243.471 χ^2/NDF: 14.7/26

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

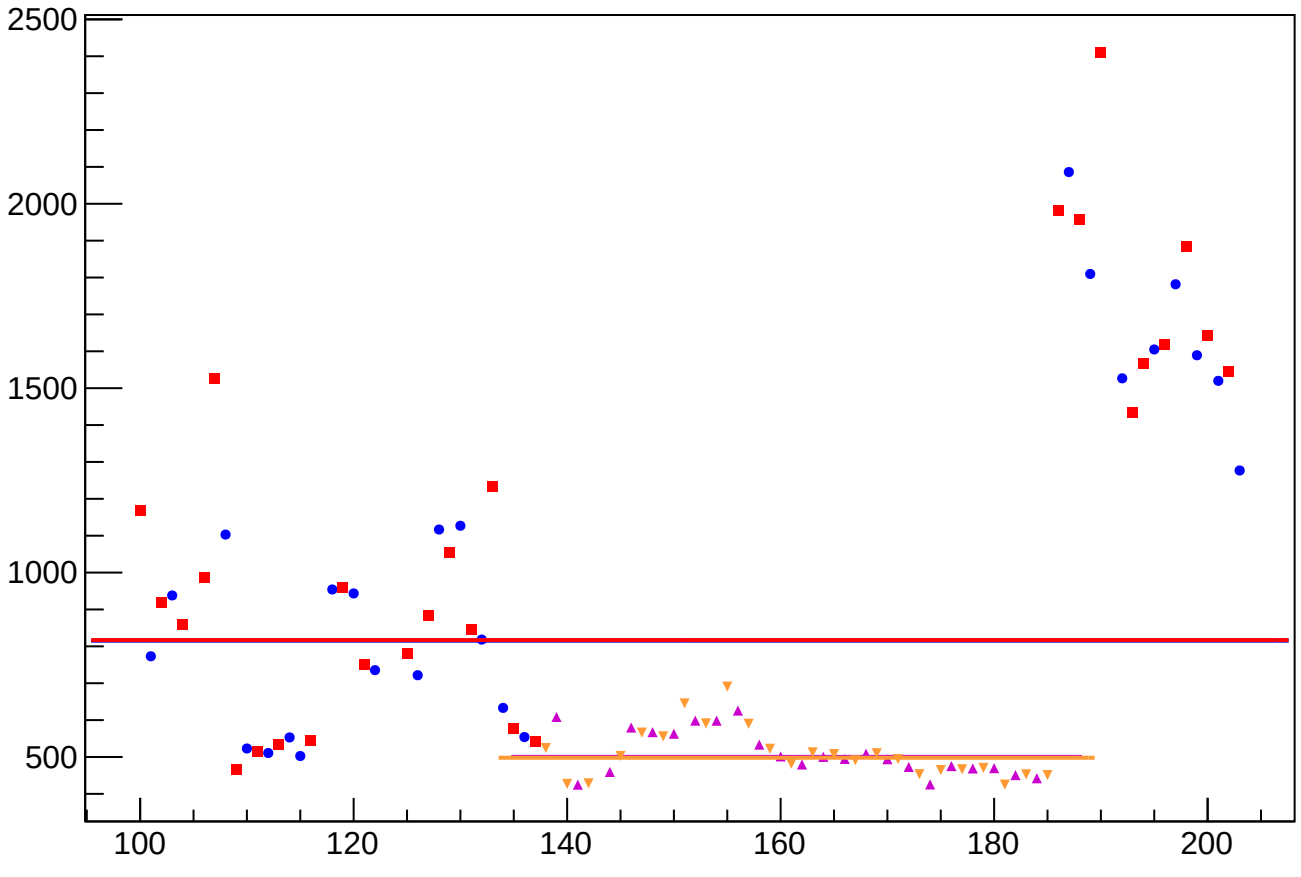
Left: -194.569+/-82.913 χ^2/NDF: 103.6/46

Right: 84.608+/-173.081 χ^2/NDF: 52.1/50

In: -8.658+/-106.260 χ^2/NDF:60.8/46

Out: -273.720+/-105.245 χ^2/NDF:93.8/50

All: -142.461+/-74.776 χ^2/NDF: 157.8/97



Right In: 815.309+/-0.174 χ^2/NDF: 4272218.8/23

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

Right Out: 816.954+/-0.172 χ^2/NDF: 5592565.8/26

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

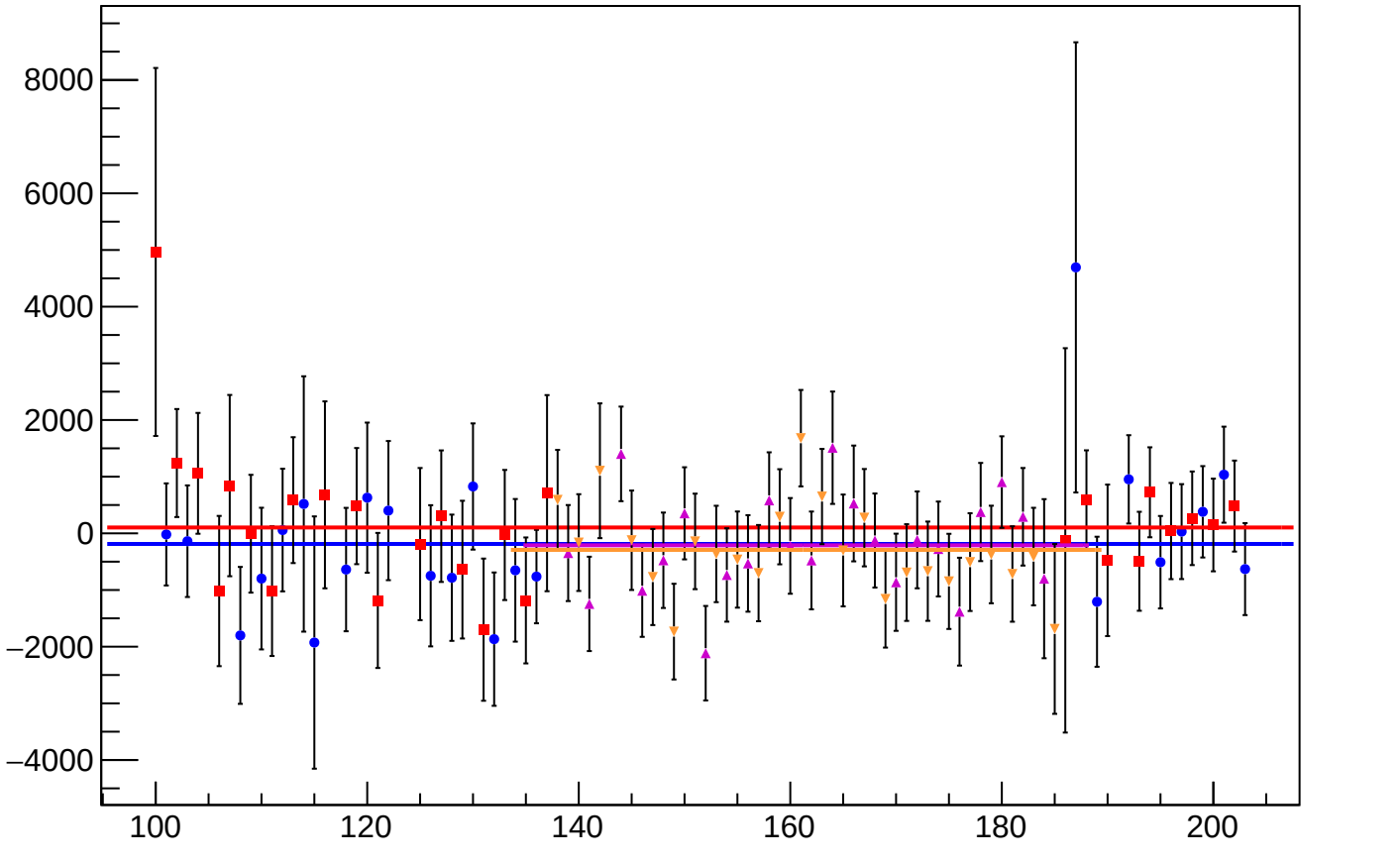
Left: 499.125+/-0.059 χ^2/NDF: 1004780.2/46

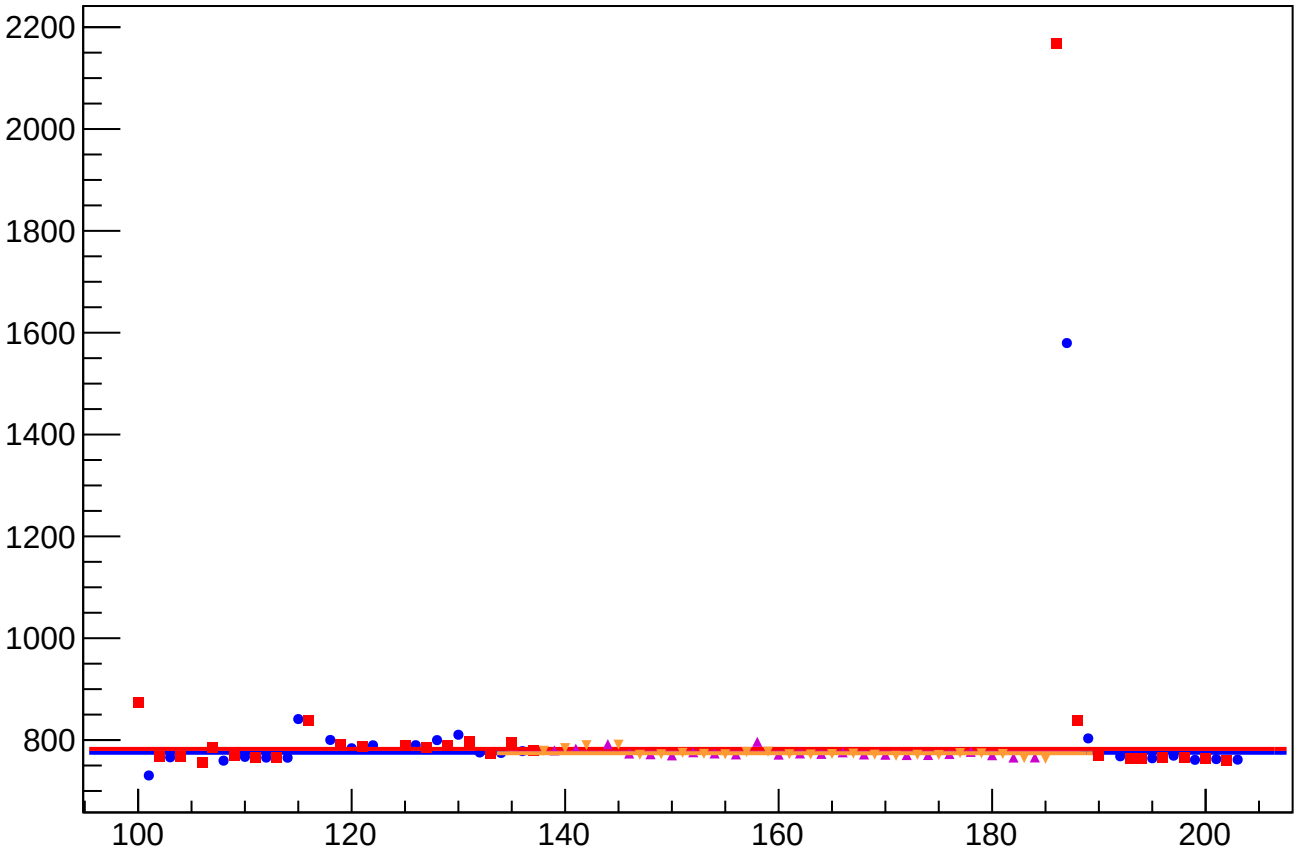
Right: 816.140+/-0.122 χ^2/NDF: 9864829.7/50

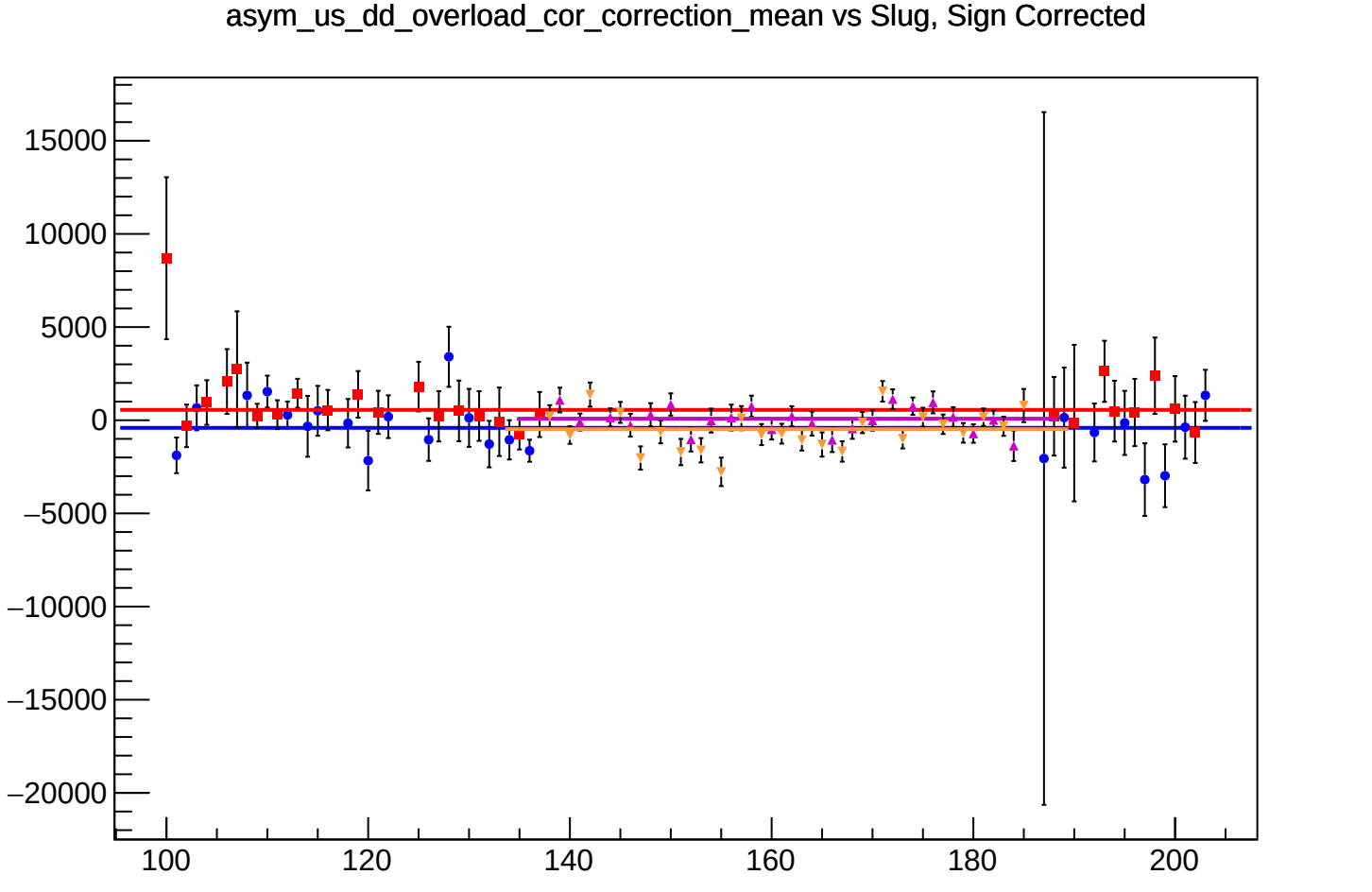
In: 559.034+/-0.075 χ^2/NDF:7415461.8/46

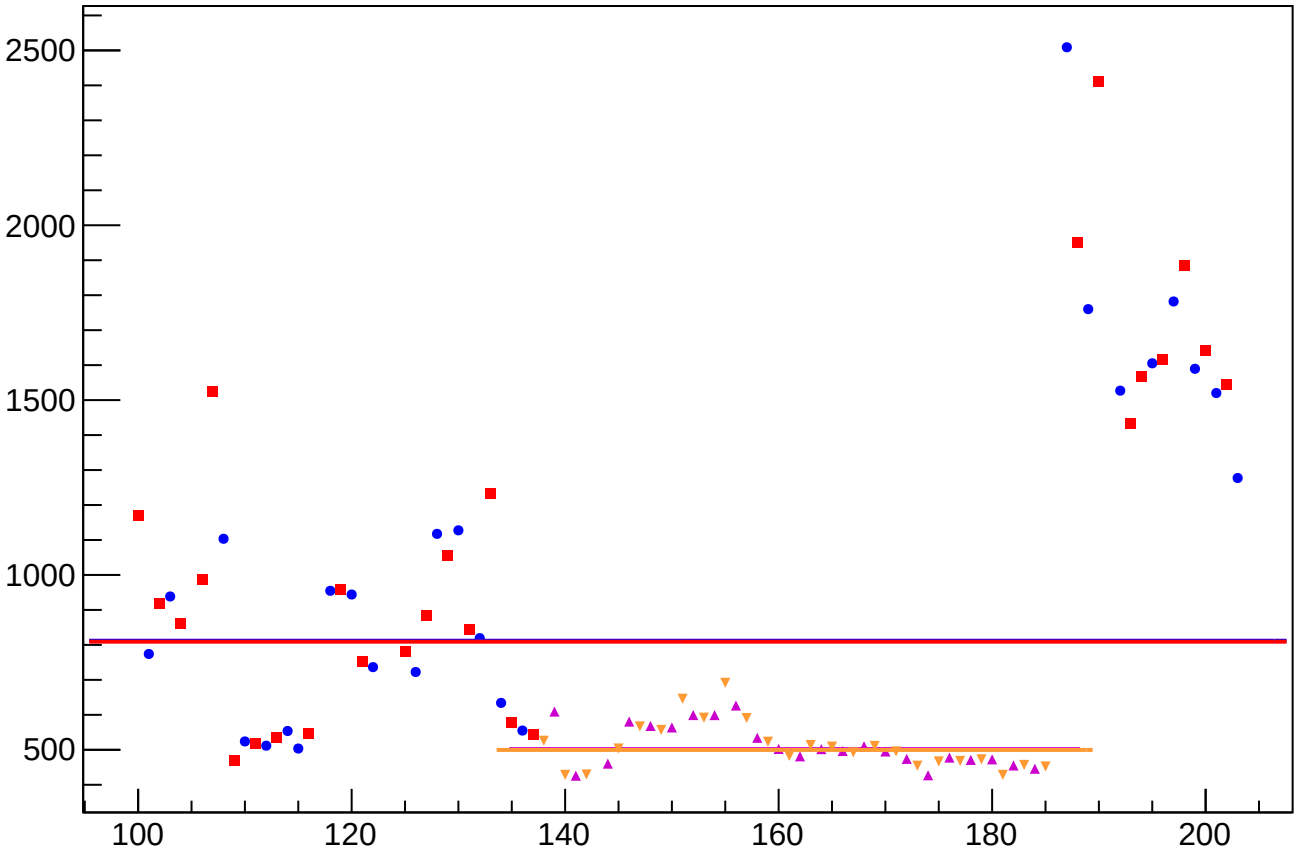
Out: 557.571+/-0.074 χ^2/NDF:8911144.5/50

All: 558.295+/-0.053 χ^2/NDF: 16326797.9/97


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: -187.591+/-213.950 χ²/NDF: 15.1/23
Left Out: -292.036+/-179.670 χ²/NDF:16.6/23
Right Out: 103.244+/-209.300 χ²/NDF: 13.8/26
Left In: -211.238+/-180.951 χ²/NDF:22.1/22
Left: -251.924+/-127.496 χ²/NDF: 38.8/46
Right: -38.978+/-149.614 χ²/NDF: 29.9/50
In: -201.377+/-138.162 χ²/NDF:37.3/46
Out: -124.333+/-136.329 χ²/NDF:32.5/50
All: -162.340+/-97.041 χ²/NDF: 69.9/97


overload_cor_asym_us_dd_rms vs Slug, Sign Corrected
2200
2000
1800
1600
1400
1200
1000
800
100
120
140
160
180
200
Right In: 775.041+/-0.151 χ²/NDF: 97658.4/23
Left Out: 774.142+/-0.127 χ²/NDF:2060.4/23
Right Out: 782.646+/-0.148 χ²/NDF: 355776.1/26
Left In: 774.990+/-0.128 χ²/NDF:3148.2/22
Left: 774.563+/-0.090 χ²/NDF: 5230.7/46
Right: 778.927+/-0.106 χ²/NDF: 454725.5/50
In: 775.011+/-0.098 χ²/NDF:100806.7/46
Out: 777.750+/-0.096 χ²/NDF:359737.4/50
All: 776.399+/-0.069 χ²/NDF: 460942.1/97


asym_us_dd_overload_cor_correction_mean vs Slug, Sign Corrected
15000
10000
5000
0
−5000
−10000
−15000
−20000
100
120
140
160
180
200
Right In: -408.281+/-246.865 χ²/NDF: 29.5/23
Left Out: -481.314+/-117.092 χ²/NDF:63.5/23
Right Out: 555.777+/-244.731 χ²/NDF: 14.4/25
Left In: 83.196+/-118.194 χ²/NDF:28.2/22
Left: -201.704+/-83.183 χ²/NDF: 103.3/46
Right: 77.934+/-173.800 χ²/NDF: 51.6/49
In: -8.456+/-106.605 χ²/NDF:60.9/46
Out: -288.130+/-105.625 χ²/NDF:92.5/49
All: -149.586+/-75.032 χ²/NDF: 157.0/96



Right In: 811.869+/-0.175 χ^2/NDF: 4069612.1/23

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

Right Out: 809.212+/-0.173 χ^2/NDF: 5218489.2/25

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

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

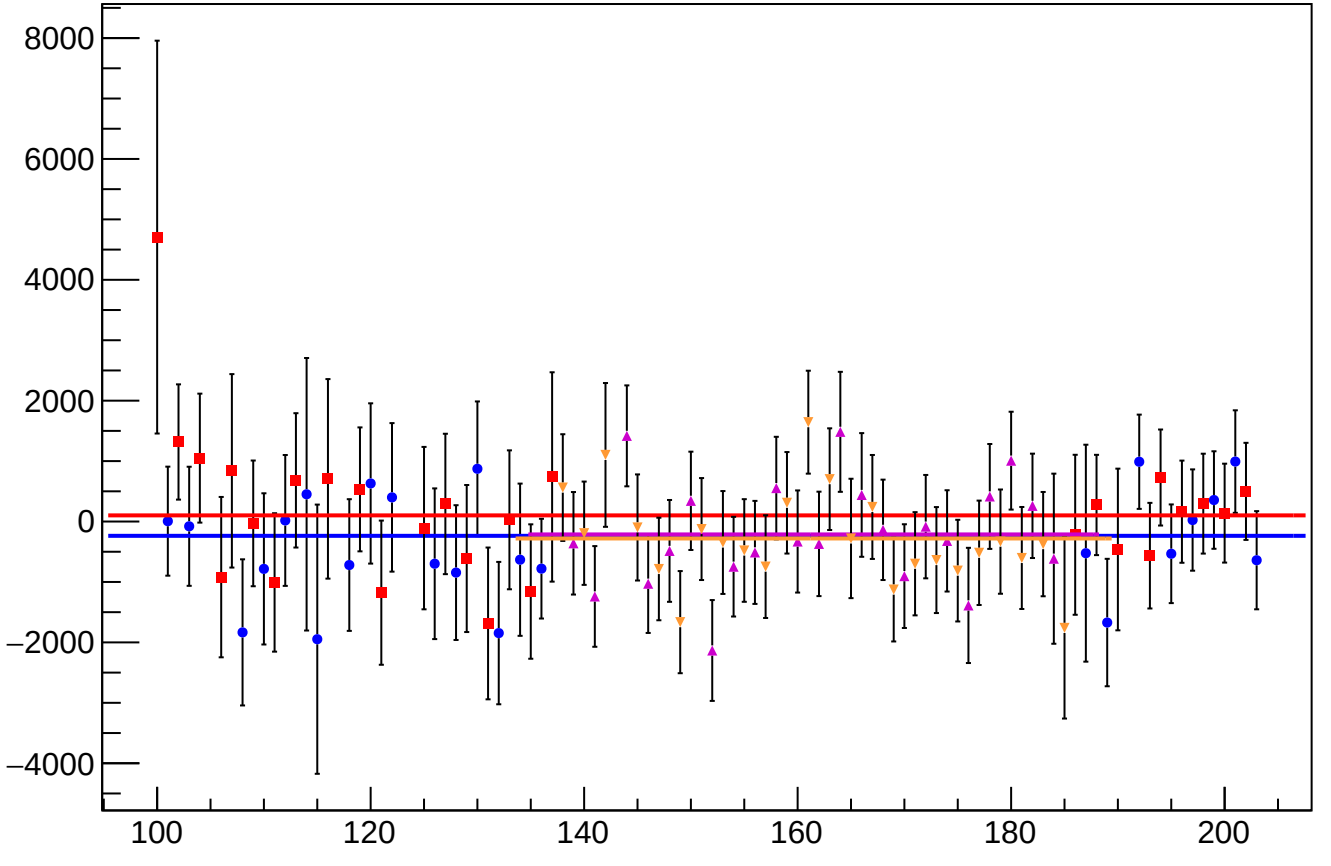
Right: 810.529+/-0.123 χ^2/NDF: 9288218.2/49

In: 559.806+/-0.075 χ^2/NDF:7100129.0/46

Out: 557.330+/-0.075 χ^2/NDF:8338379.0/49

All: 558.557+/-0.053 χ^2/NDF: 15439052.8/96

eigen_cor_asym_us_dd_mean vs Slug, Sign Corrected



Right In: -236.546+/-212.257 χ^2/NDF: 15.0/23

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

Right Out: 101.777+/-206.583 χ^2/NDF: 13.5/26

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

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

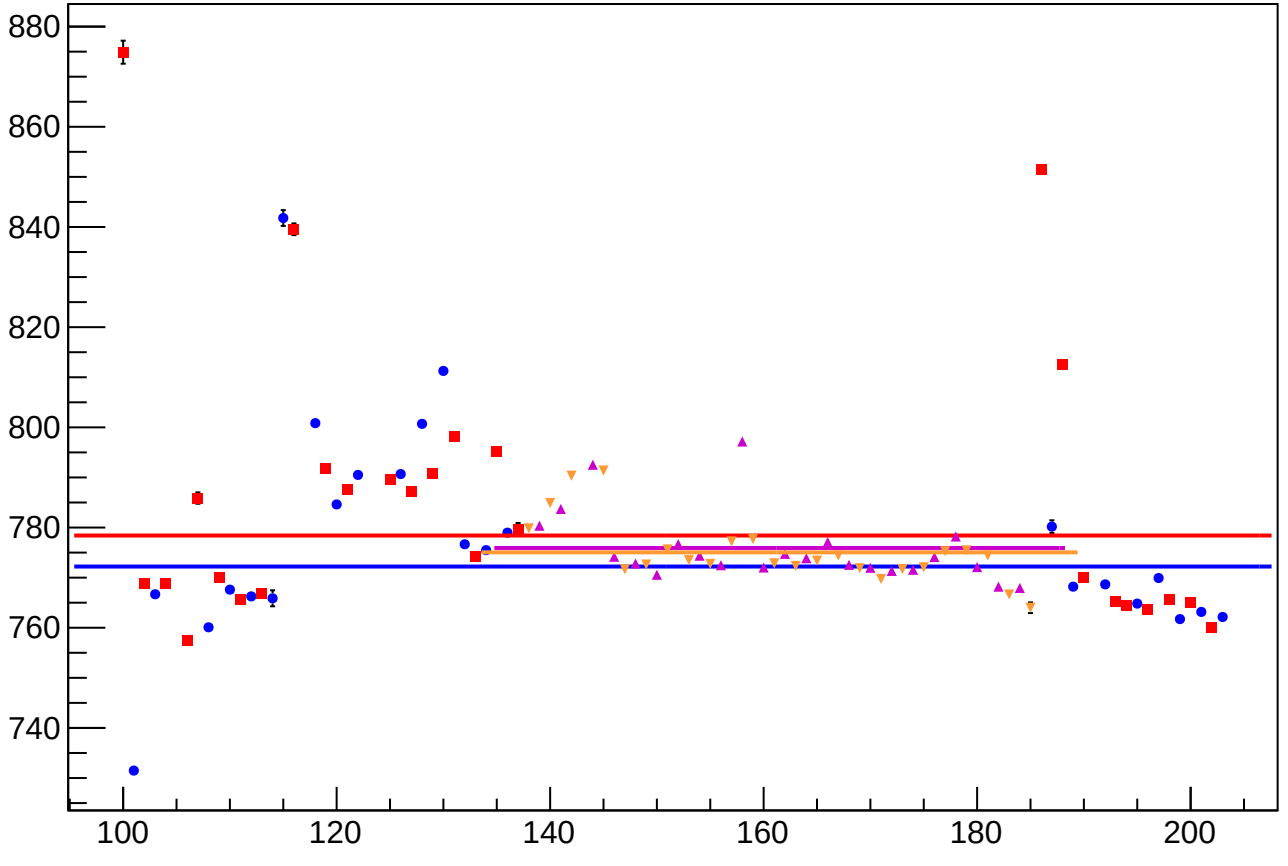
Right: -62.802+/-148.042 χ^2/NDF: 29.8/50

In: -223.170+/-137.798 χ^2/NDF:37.3/46

Out: -115.572+/-135.660 χ^2/NDF:31.6/50

All: -168.529+/-96.673 χ^2/NDF: 69.2/97

eigen_cor_asym_us_dd_rms vs Slug, Sign Corrected



Right In: 772.219+/-0.150 χ^2/NDF: 13931.9/23

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

Right Out: 778.409+/-0.146 χ^2/NDF: 21228.5/26

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

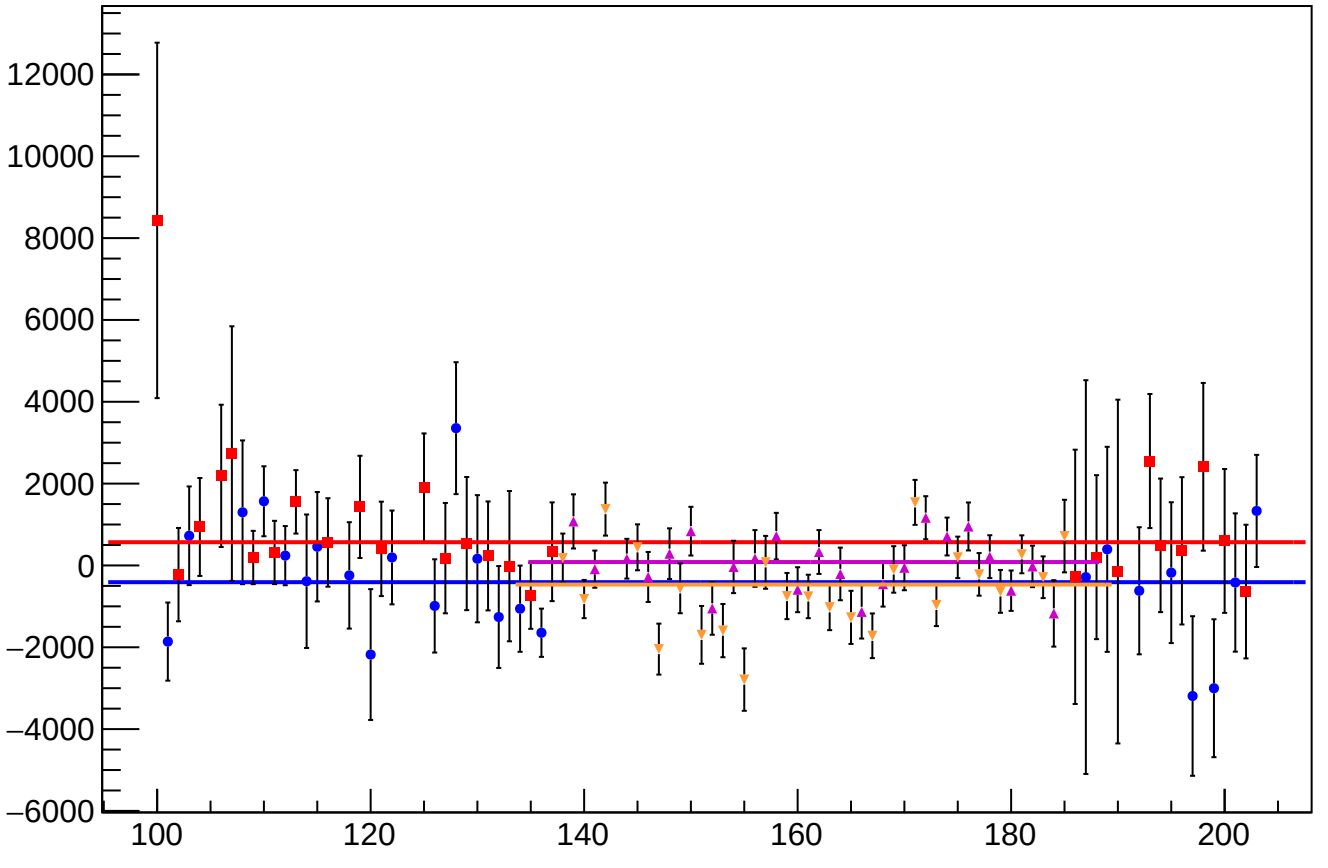
Left: 775.483+/-0.090 χ^2/NDF: 4947.6/46

Right: 775.398+/-0.105 χ^2/NDF: 36034.0/50

In: 774.361+/-0.097 χ^2/NDF:17257.0/46

Out: 776.498+/-0.096 χ^2/NDF:23480.7/50

All: 775.446+/-0.068 χ^2/NDF: 40982.0/97



Right In: -409.308+/-246.097 χ^2/NDF: 29.5/23

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

Right Out: 568.038+/-243.471 χ^2/NDF: 14.7/26

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

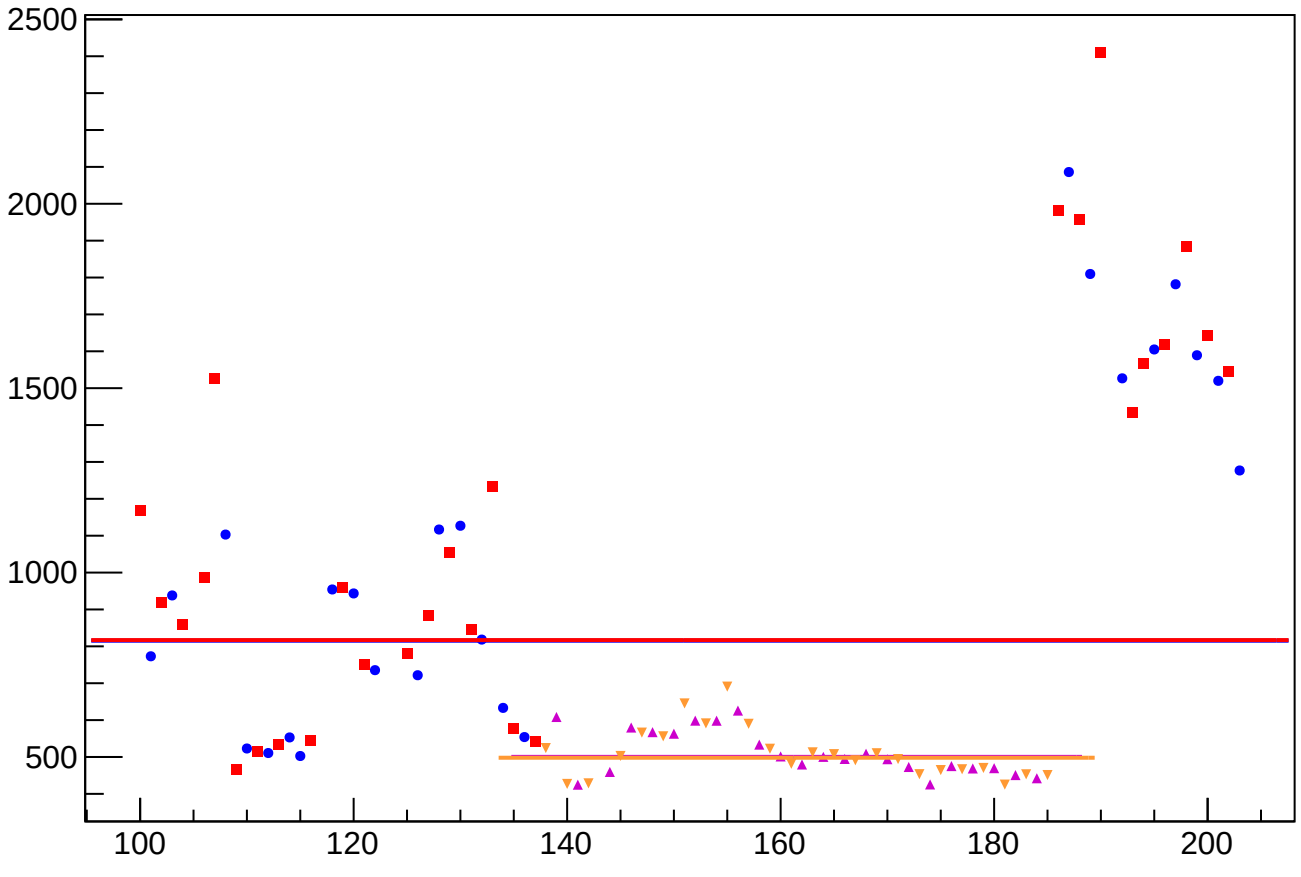
Left: -194.569+/-82.913 χ^2/NDF: 103.6/46

Right: 84.608+/-173.081 χ^2/NDF: 52.1/50

In: -8.658+/-106.260 χ^2/NDF:60.8/46

Out: -273.720+/-105.245 χ^2/NDF:93.8/50

All: -142.461+/-74.776 χ^2/NDF: 157.8/97



Right In: 815.309+/-0.174 χ^2/NDF: 4272218.8/23

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

Right Out: 816.954+/-0.172 χ^2/NDF: 5592565.8/26

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

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

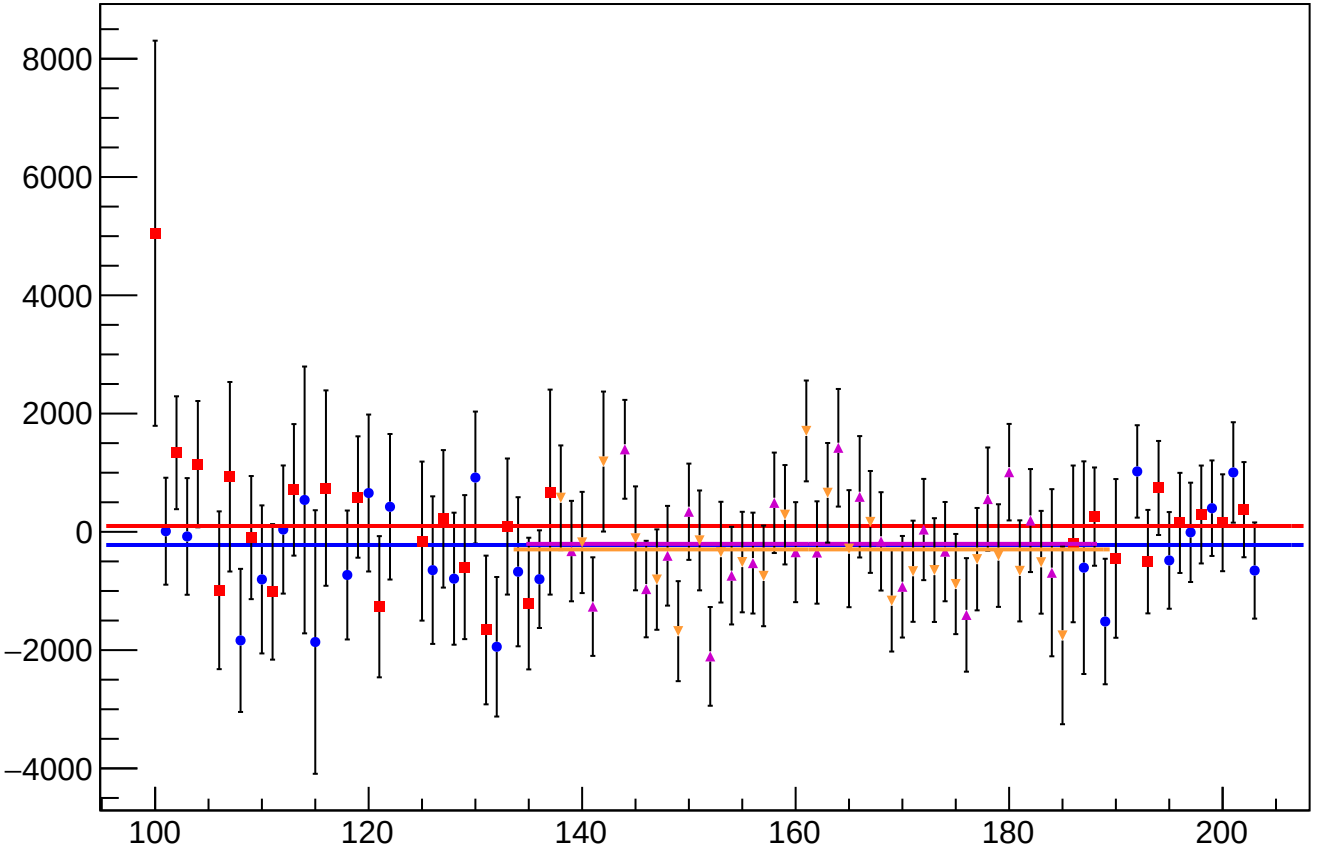
Right: 816.140+/-0.122 χ^2/NDF: 9864829.7/50

In: 559.034+/-0.075 χ^2/NDF:7415461.8/46

Out: 557.571+/-0.074 χ^2/NDF:8911144.5/50

All: 558.295+/-0.053 χ^2/NDF: 16326797.9/97

dit_asym_us_dd_mean vs Slug, Sign Corrected



Right In: -222.195+/-212.552 χ^2/NDF: 15.1/23

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

Right Out: 99.044+/-206.835 χ^2/NDF: 14.2/26

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

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

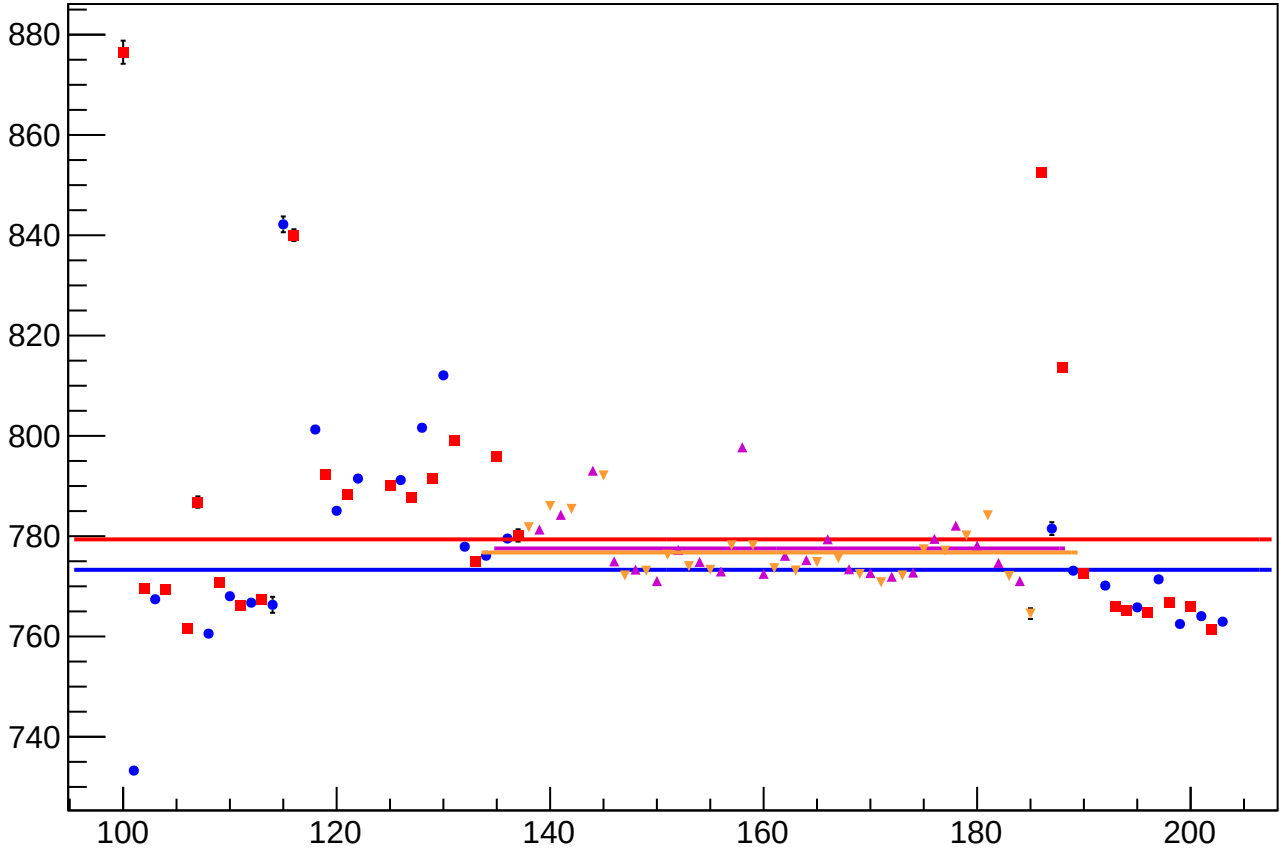
Right: -57.197+/-148.234 χ^2/NDF: 30.5/50

In: -211.292+/-138.047 χ^2/NDF:37.2/46

Out: -125.887+/-135.902 χ^2/NDF:33.0/50

All: -167.922+/-96.847 χ^2/NDF: 70.4/97

dit_asym_us_dd_rms vs Slug, Sign Corrected



Right In: 773.295+/-0.150 χ^2/NDF: 13602.6/23

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

Right Out: 779.361+/-0.146 χ^2/NDF: 20969.1/26

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

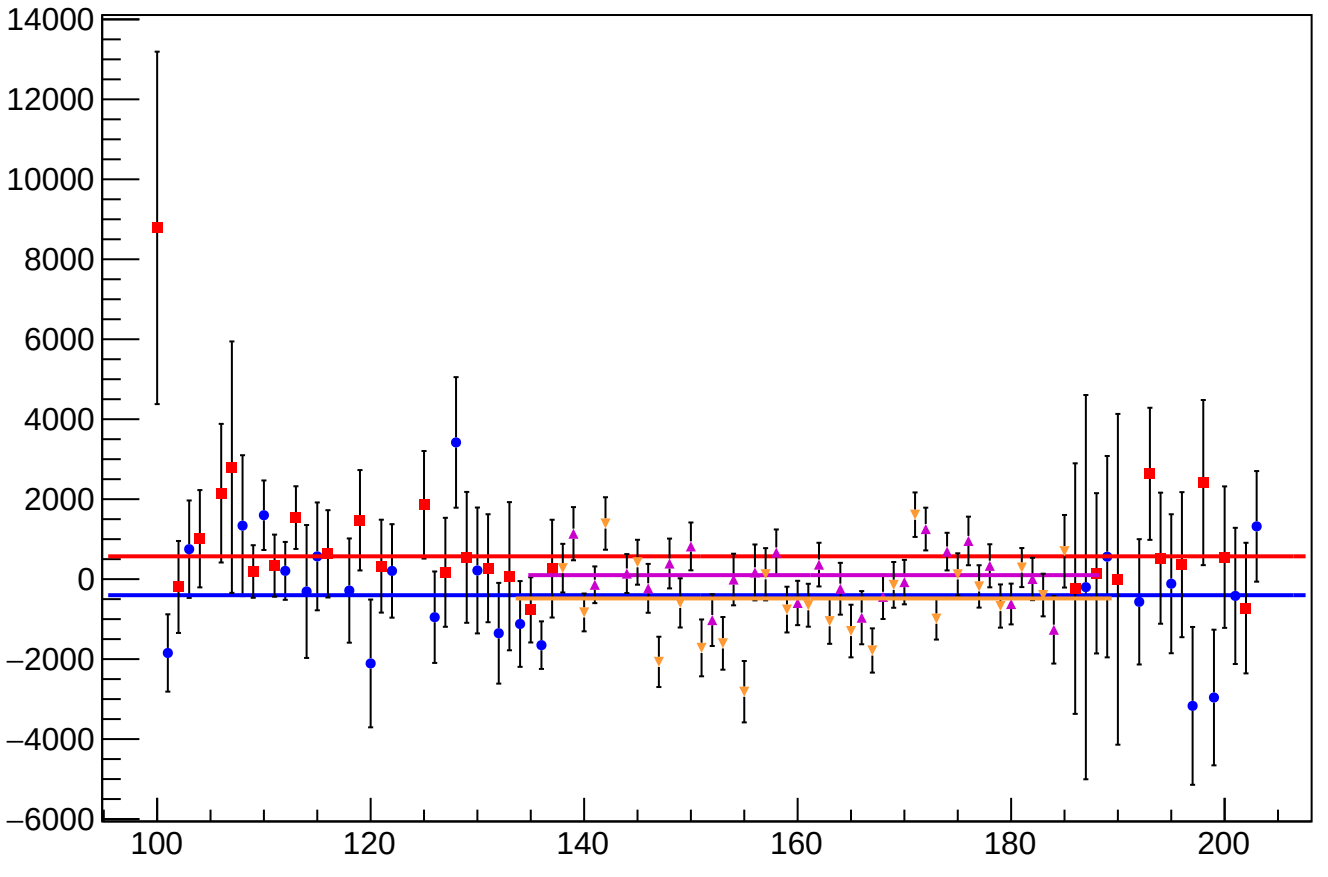
Left: 777.147+/-0.090 χ^2/NDF: 4596.6/46

Right: 776.411+/-0.105 χ^2/NDF: 35408.5/50

In: 775.755+/-0.098 χ^2/NDF:16816.8/46

Out: 777.878+/-0.096 χ^2/NDF:22976.5/50

All: 776.833+/-0.068 χ^2/NDF: 40033.4/97



Right In: -401.531+/-248.466 χ^2/NDF: 29.3/23

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

Right Out: 570.654+/-245.503 χ^2/NDF: 14.9/26

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

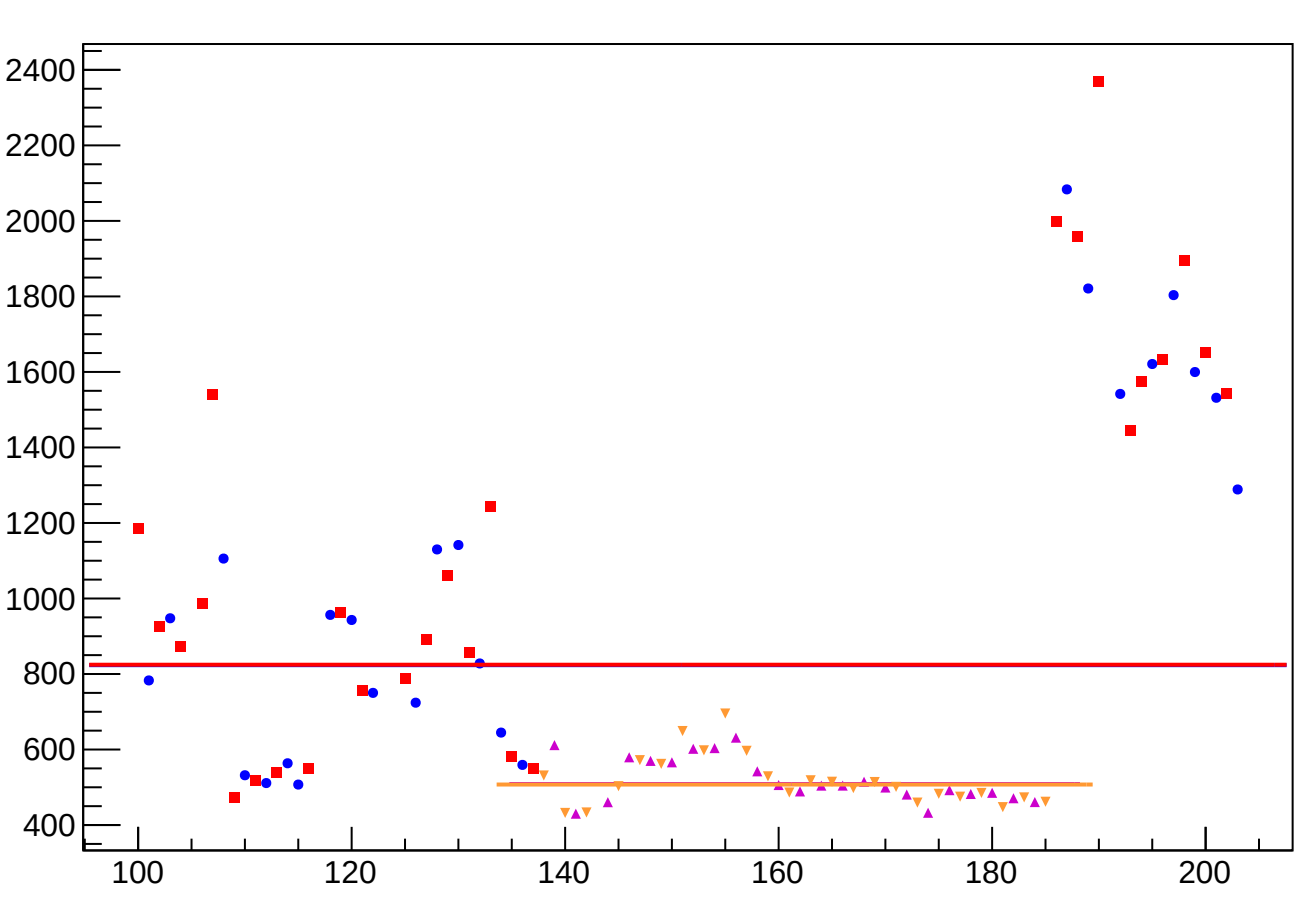
Left: -193.580+/-84.314 χ^2/NDF: 104.5/46

Right: 90.392+/-174.635 χ^2/NDF: 52.0/50

In: 5.544+/-107.821 χ^2/NDF:60.0/46

Out: -282.978+/-106.942 χ^2/NDF:94.9/50

All: -139.899+/-75.928 χ^2/NDF: 158.6/97



Right In: 823.421+/-0.176 χ^2/NDF: 4264927.1/23

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

Right Out: 824.583+/-0.174 χ^2/NDF: 5553359.6/26

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

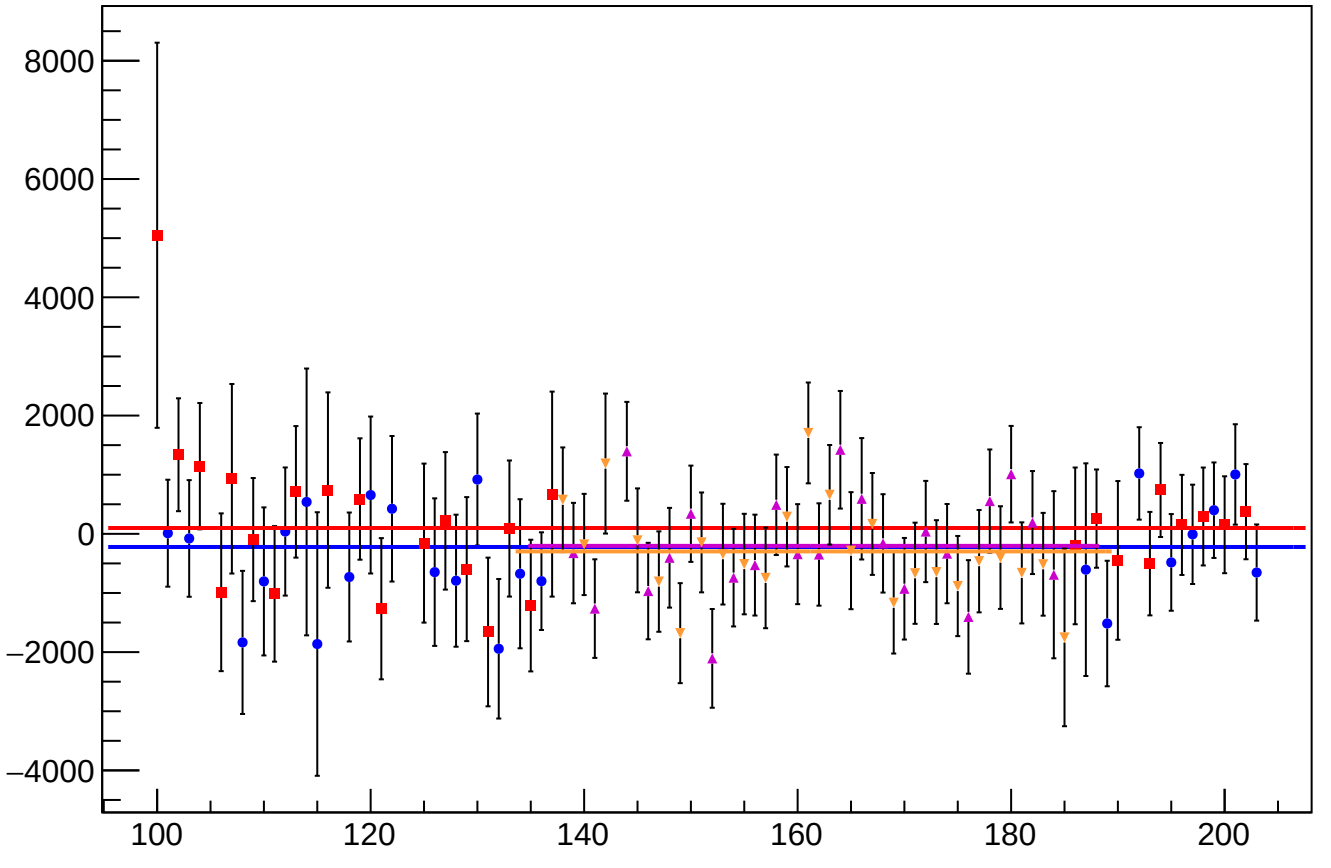
Left: 507.974+/-0.060 χ^2/NDF: 906551.9/46

Right: 824.009+/-0.123 χ^2/NDF: 9818308.9/50

In: 567.915+/-0.076 χ^2/NDF:7302974.2/46

Out: 567.519+/-0.076 χ^2/NDF:8733658.4/50

All: 567.716+/-0.054 χ^2/NDF: 16036646.2/97



Right In: -222.194+/-212.552 χ^2/NDF: 15.1/23

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

Right Out: 99.044+/-206.835 χ^2/NDF: 14.2/26

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

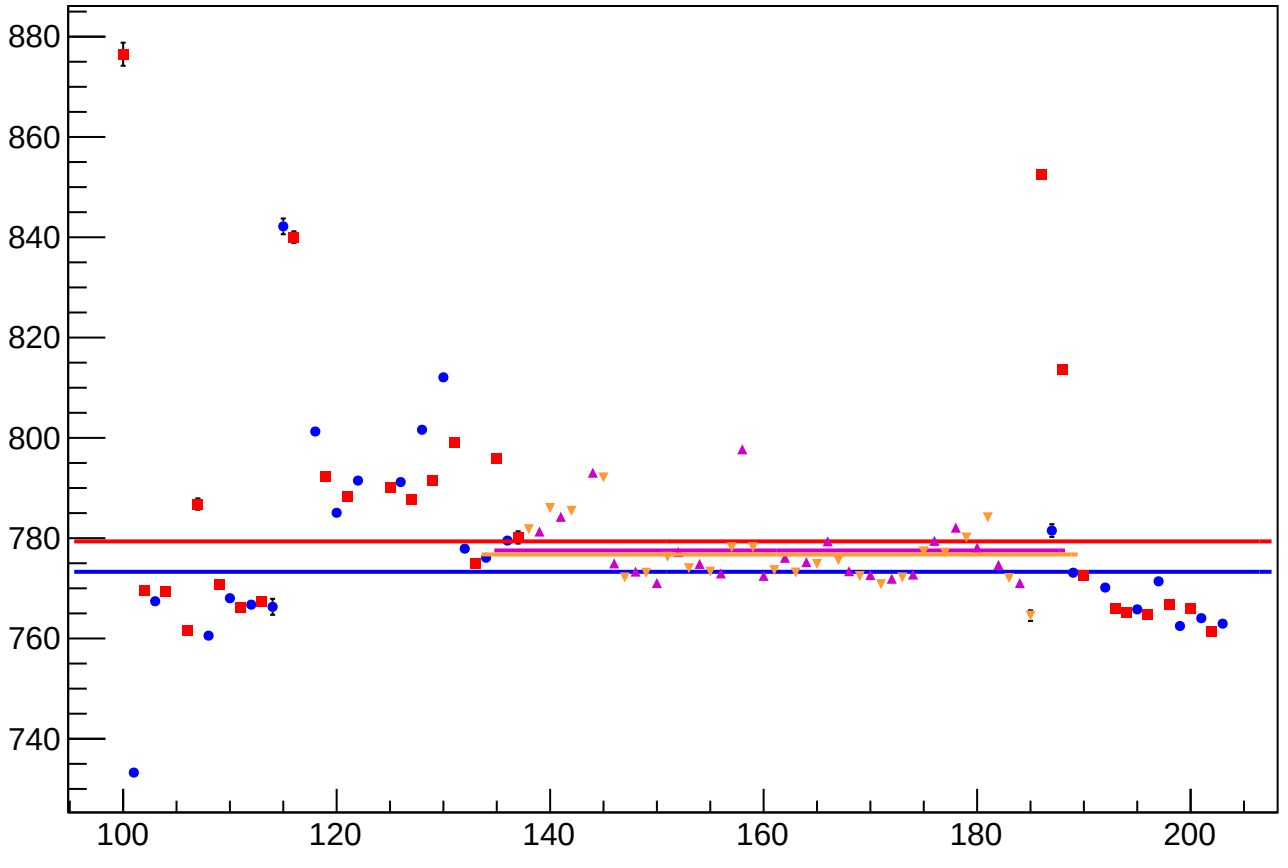
Left: -250.382+/-127.923 χ^2/NDF: 38.9/46

Right: -57.196+/-148.234 χ^2/NDF: 30.5/50

In: -211.292+/-138.047 χ^2/NDF:37.2/46

Out: -125.888+/-135.902 χ^2/NDF:33.0/50

All: -167.921+/-96.847 χ^2/NDF: 70.4/97



Right In: 773.295+/-0.150 χ^2/NDF: 13602.6/23

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

Right Out: 779.361+/-0.146 χ^2/NDF: 20969.0/26

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

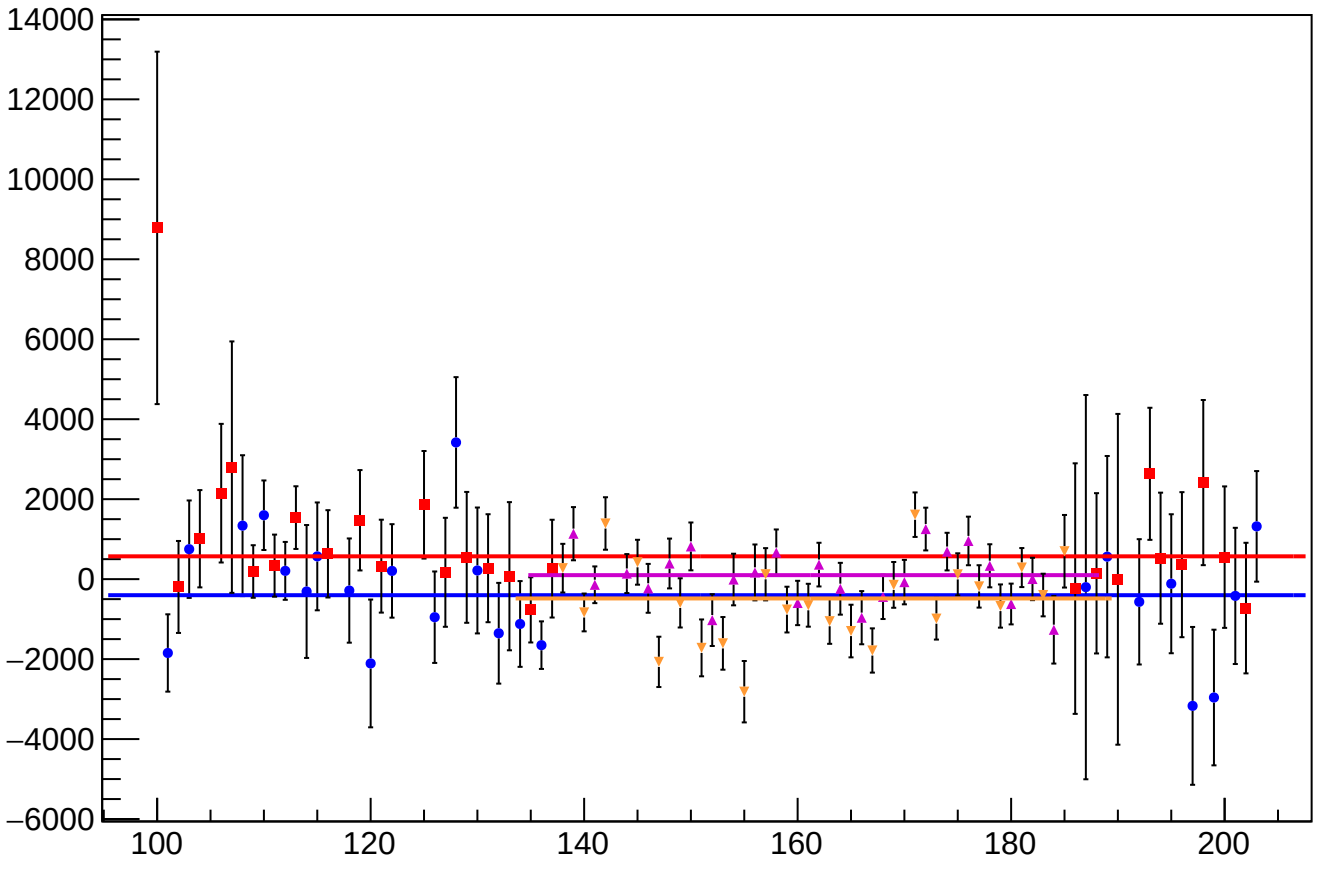
Left: 777.147+/-0.090 χ^2/NDF: 4596.6/46

Right: 776.411+/-0.105 χ^2/NDF: 35408.5/50

In: 775.755+/-0.098 χ^2/NDF:16816.7/46

Out: 777.878+/-0.096 χ^2/NDF:22976.4/50

All: 776.833+/-0.068 χ^2/NDF: 40033.3/97



Right In: -401.527+/-248.465 χ^2/NDF: 29.3/23

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

Right Out: 570.653+/-245.502 χ^2/NDF: 14.9/26

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

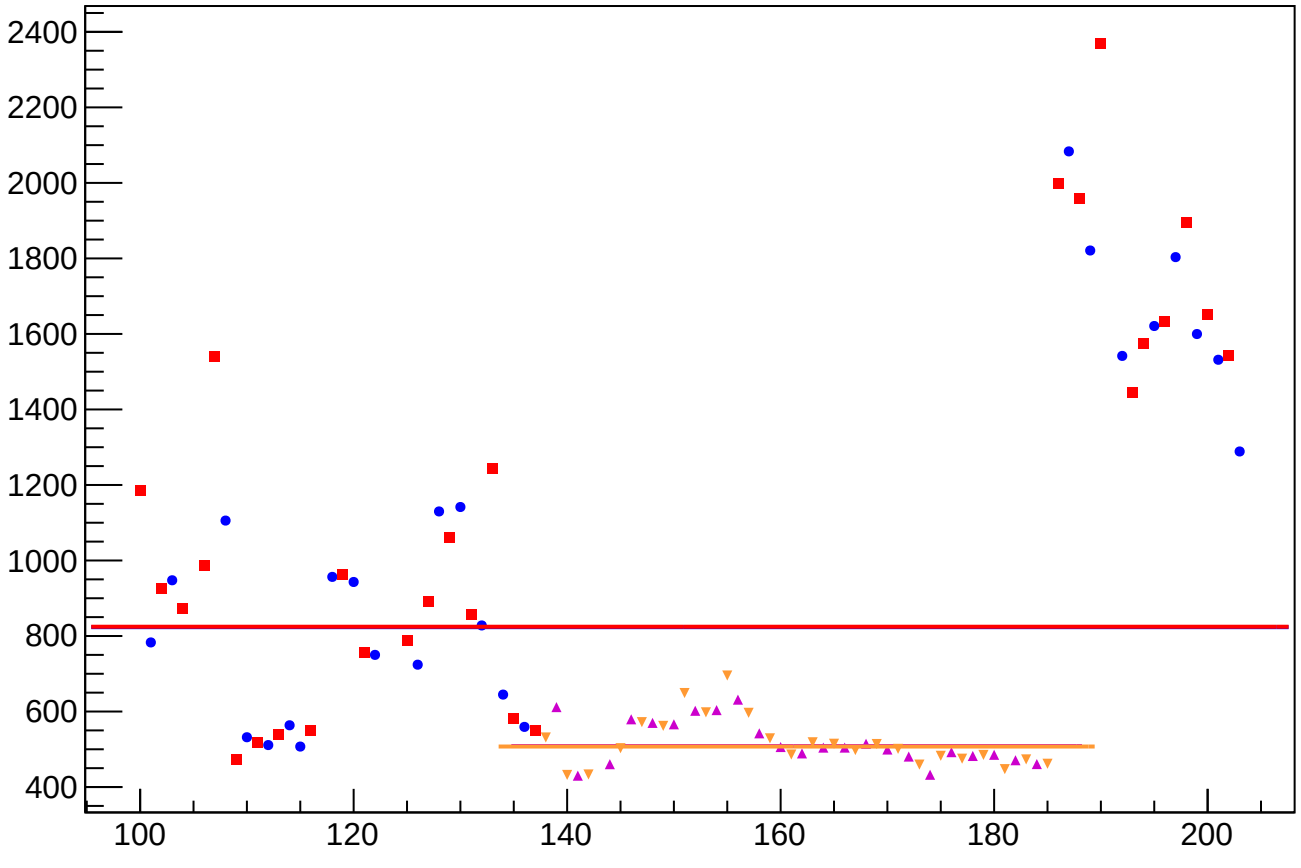
Left: -193.580+/-84.314 χ^2/NDF: 104.5/46

Right: 90.393+/-174.634 χ^2/NDF: 52.0/50

In: 5.544+/-107.821 χ^2/NDF:60.0/46

Out: -282.977+/-106.941 χ^2/NDF:94.9/50

All: -139.898+/-75.928 χ^2/NDF: 158.6/97



Right In: 823.417+/-0.176 χ^2/NDF: 4264971.6/23

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

Right Out: 824.579+/-0.174 χ^2/NDF: 5553410.1/26

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

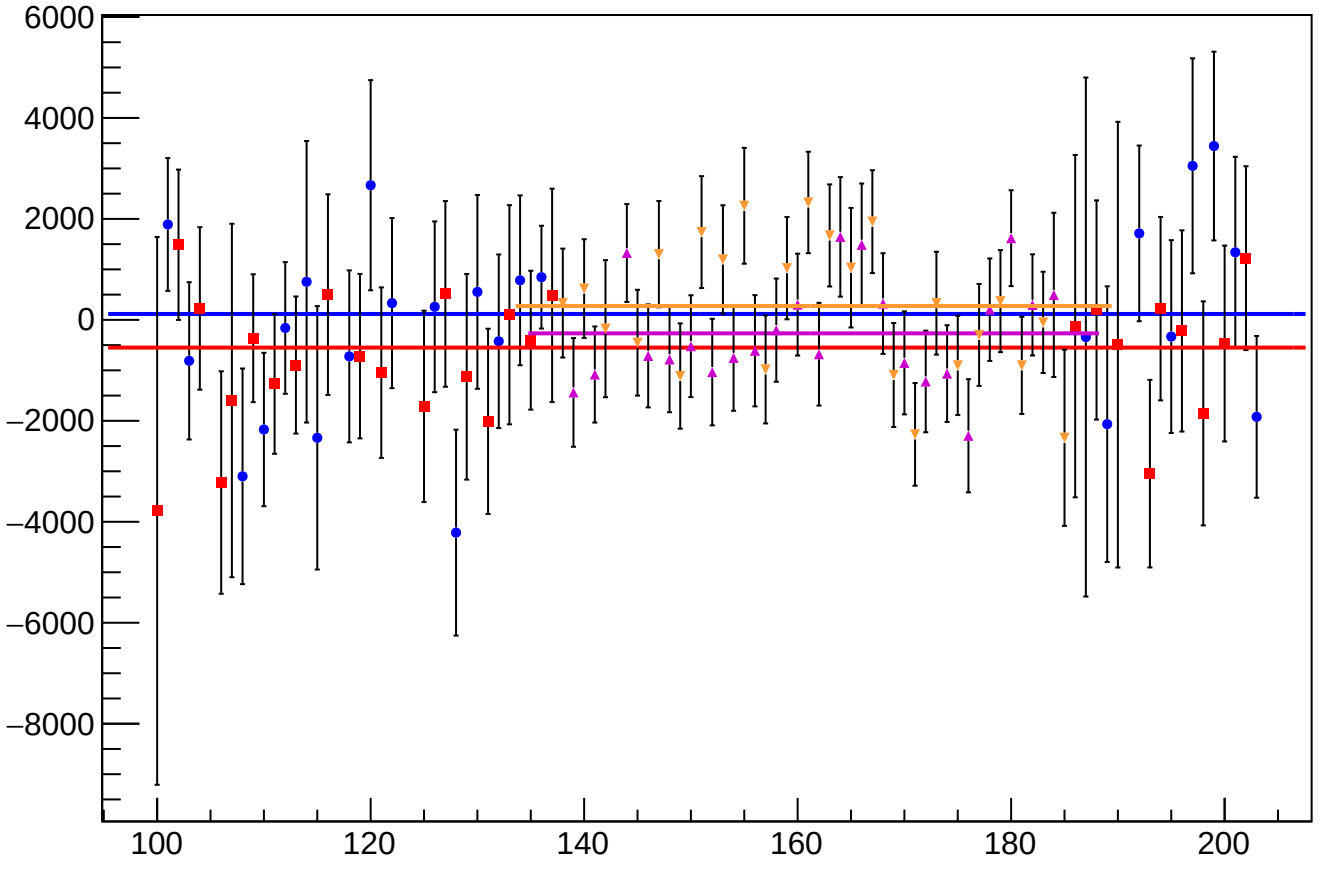
Left: 507.974+/-0.060 χ^2/NDF: 906576.5/46

Right: 824.005+/-0.123 χ^2/NDF: 9818403.8/50

In: 567.915+/-0.076 χ^2/NDF:7302984.6/46

Out: 567.519+/-0.076 χ^2/NDF:8733666.2/50

All: 567.715+/-0.054 χ^2/NDF: 16036664.4/97



Right In: 116.987+/-355.735 χ^2/NDF: 23.4/23

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

Right Out: -549.289+/-356.489 χ^2/NDF: 10.0/26

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

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

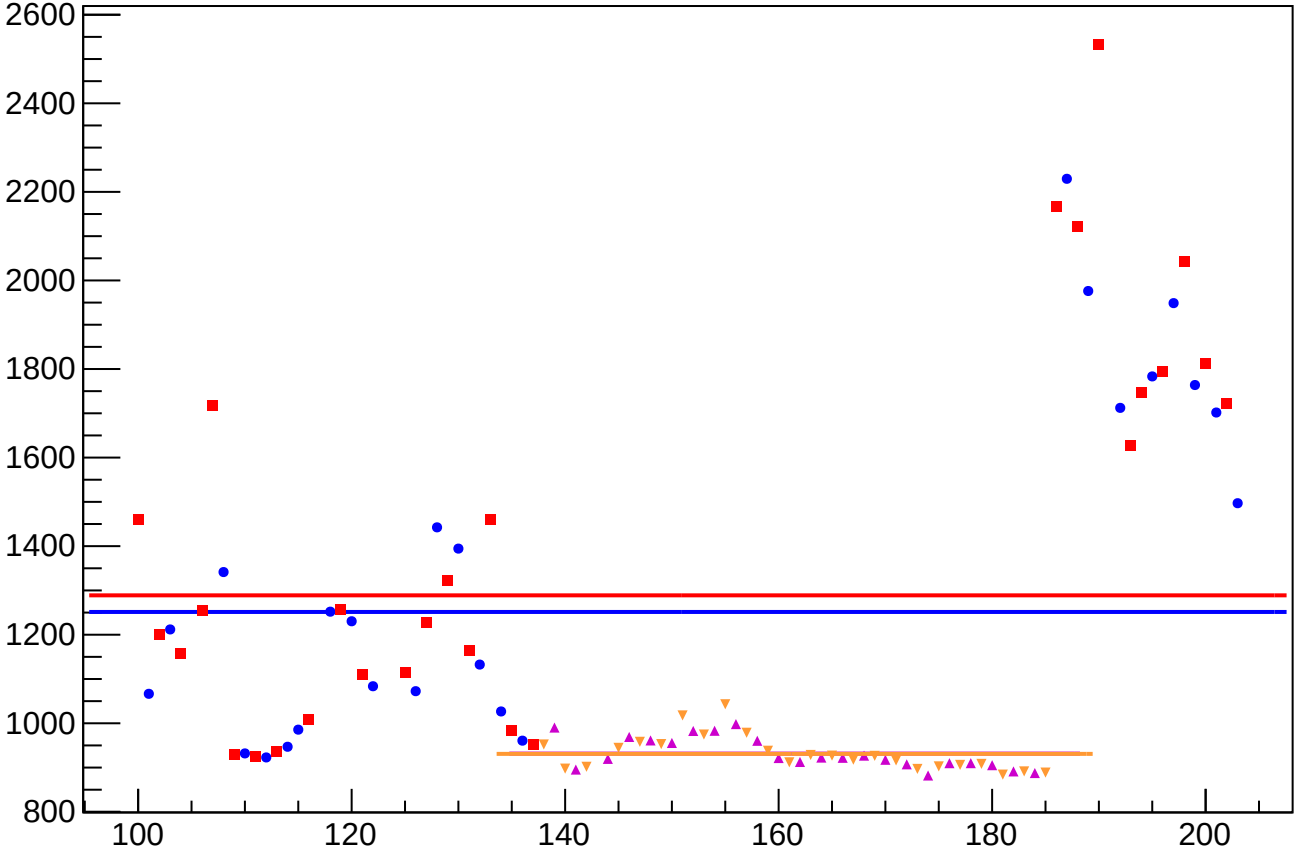
Right: -215.446+/-251.809 χ^2/NDF: 35.1/50

In: -162.430+/-185.679 χ^2/NDF:45.6/46

Out: 53.345+/-184.916 χ^2/NDF:47.5/50

All: -54.098+/-131.024 χ^2/NDF: 93.8/97

asym_us_dd_rms vs Slug, Sign Corrected



Right In: 1251.399+/-0.252 χ^2/NDF: 1617123.7/23

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

Right Out: 1288.921+/-0.252 χ^2/NDF: 2140570.0/26

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

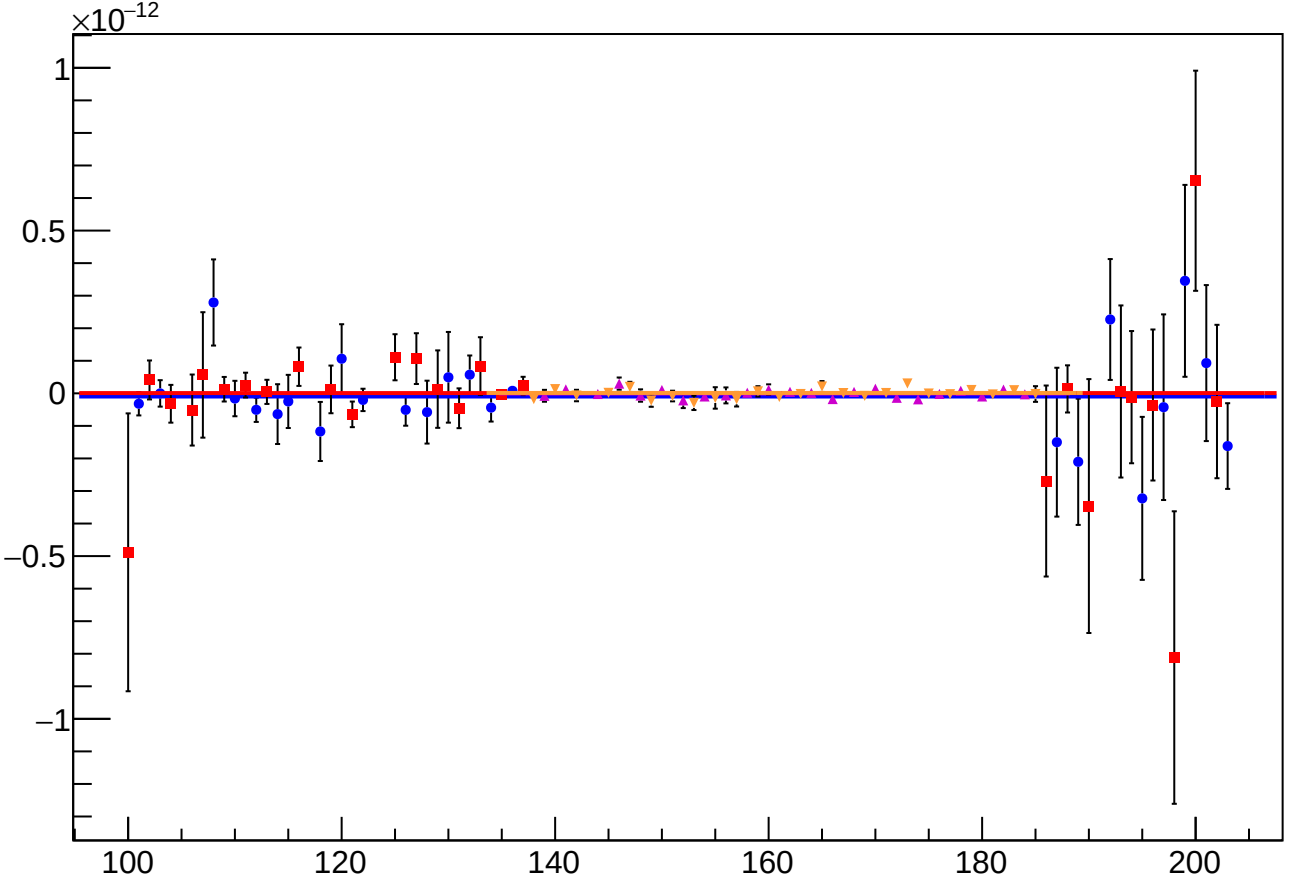
Left: 931.240+/-0.108 χ^2/NDF: 110877.8/46

Right: 1270.120+/-0.178 χ^2/NDF: 3768795.8/50

In: 1018.699+/-0.131 χ^2/NDF:2842295.5/46

Out: 1027.247+/-0.131 χ^2/NDF:3676803.4/50

All: 1022.991+/-0.093 χ^2/NDF: 6521227.4/97



Right In: -0.000+/-0.000 χ^2/NDF: 21.5/23

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

Right Out: 0.000+/-0.000 χ^2/NDF: 23.0/26

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

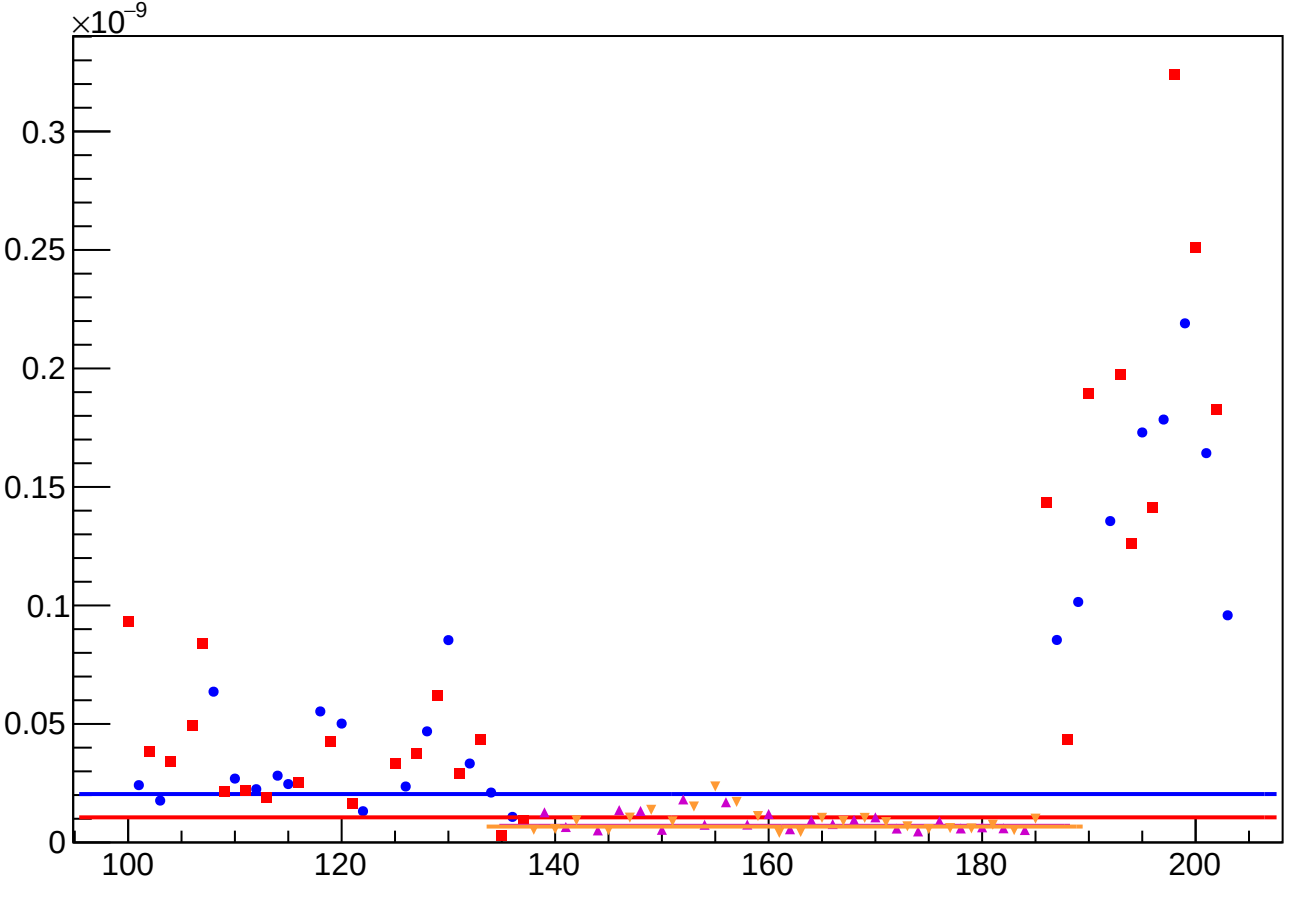
Left: 0.000+/-0.000 χ^2/NDF: 48.0/46

Right: -0.000+/-0.000 χ^2/NDF: 45.2/50

In: -0.000+/-0.000 χ^2/NDF:44.4/46

Out: 0.000+/-0.000 χ^2/NDF:48.7/50

All: 0.000+/-0.000 χ^2/NDF: 93.5/97



Right In: 0.000+/-0.000 χ^2/NDF: 7251358.5/23

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

Right Out: 0.000+/-0.000 χ^2/NDF: 11770800.0/26

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

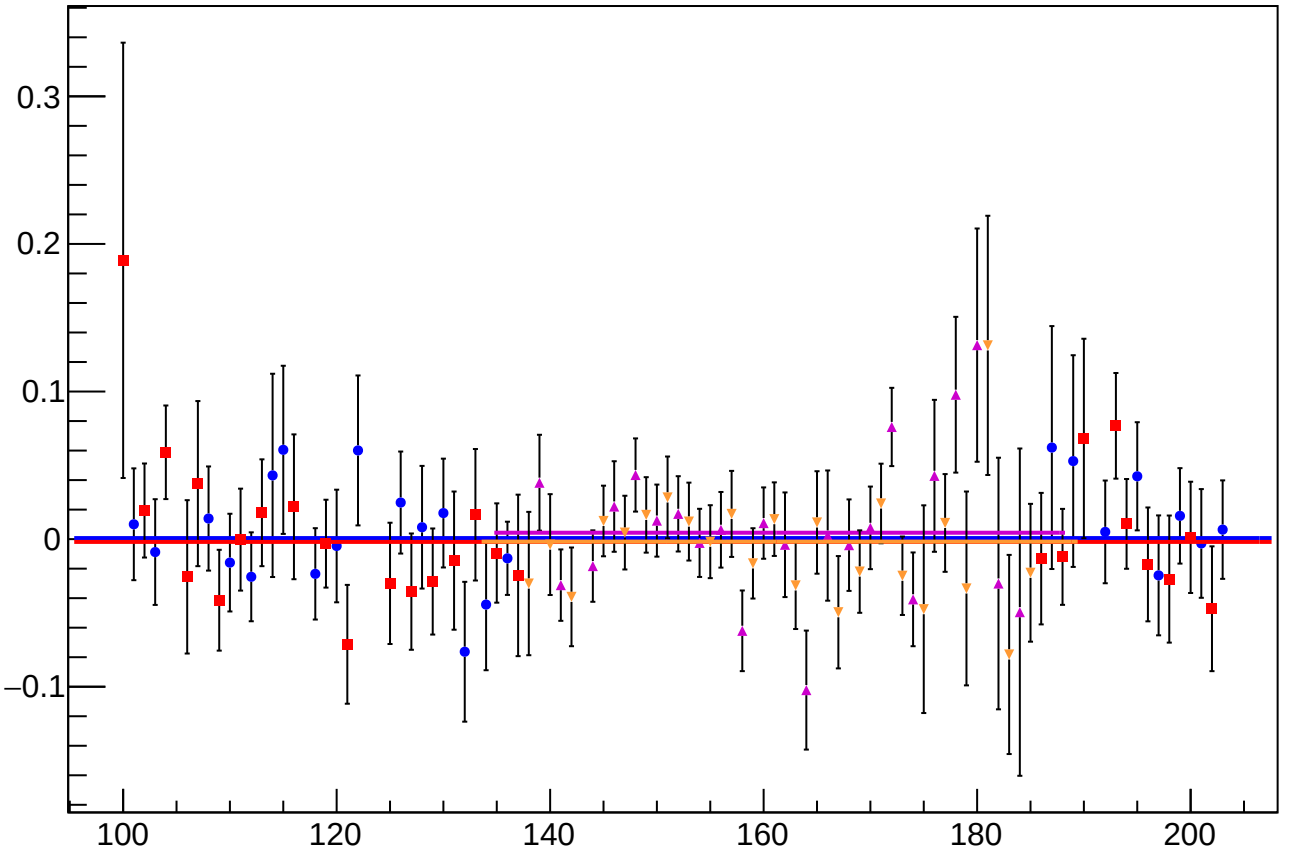
Left: 0.000+/-0.000 χ^2/NDF: 5389849.5/46

Right: 0.000+/-0.000 χ^2/NDF: 20268467.8/50

In: 0.000+/-0.000 χ^2/NDF:13009628.9/46

Out: 0.000+/-0.000 χ^2/NDF:15225922.3/50

All: 0.000+/-0.000 χ^2/NDF: 28322977.7/97



Right In: 0.001+/-0.008 χ^2/NDF: 12.5/23

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

Right Out: -0.002+/-0.008 χ^2/NDF: 21.4/26

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

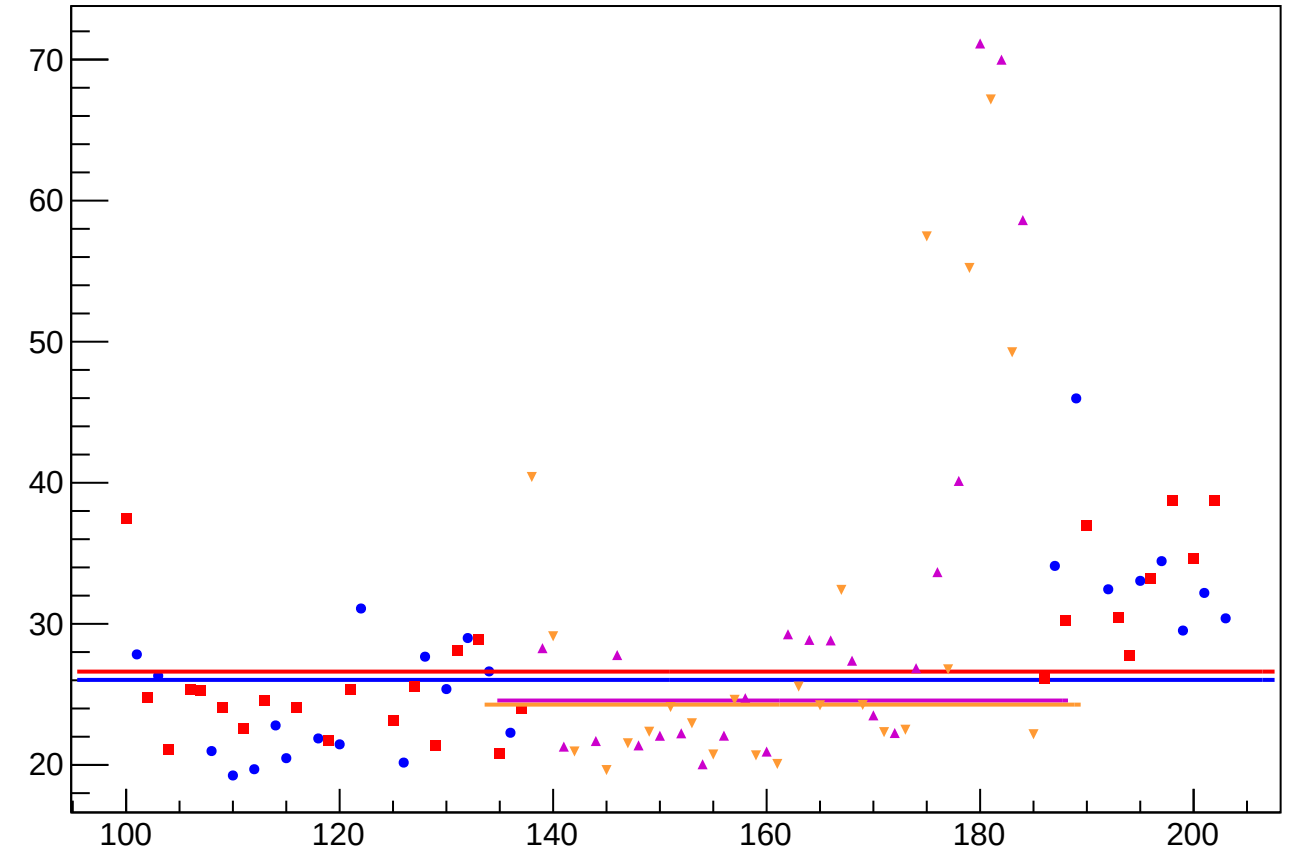
Left: 0.001+/-0.005 χ^2/NDF: 51.6/46

Right: -0.001+/-0.005 χ^2/NDF: 34.0/50

In: 0.003+/-0.005 χ^2/NDF:49.2/46

Out: -0.002+/-0.005 χ^2/NDF:36.1/50

All: 0.001+/-0.003 χ^2/NDF: 85.7/97



Right In: 26.027+/-0.005 χ^2/NDF: 955878.8/23

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

Right Out: 26.615+/-0.005 χ^2/NDF: 888321.2/26

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

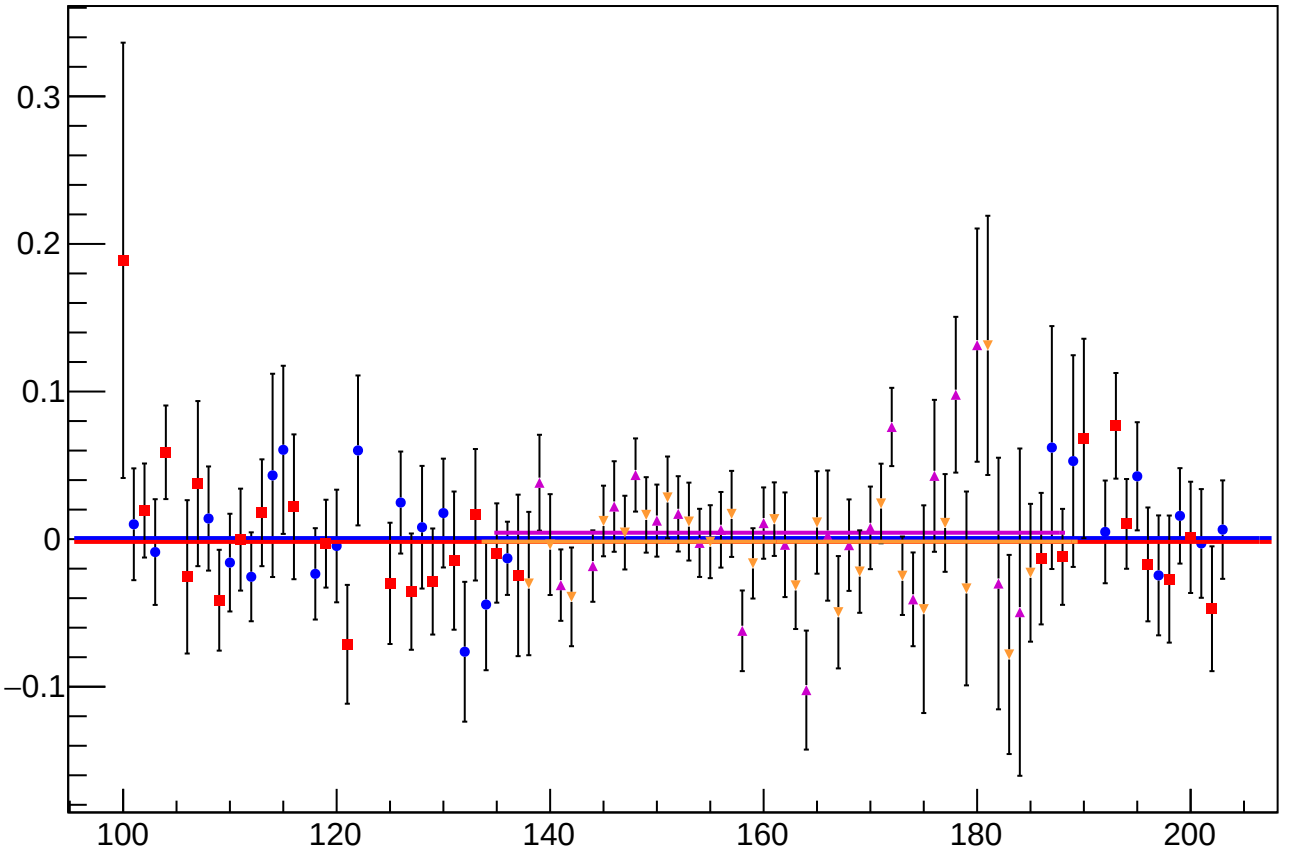
Left: 24.418+/-0.003 χ^2/NDF: 4445671.0/46

Right: 26.328+/-0.004 χ^2/NDF: 1850141.2/50

In: 25.159+/-0.003 χ^2/NDF:3131357.9/46

Out: 25.242+/-0.003 χ^2/NDF:3311704.7/50

All: 25.201+/-0.002 χ^2/NDF: 6443353.9/97



Right In: 0.001+/-0.008 χ^2/NDF: 12.5/23

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

Right Out: -0.002+/-0.008 χ^2/NDF: 21.4/26

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

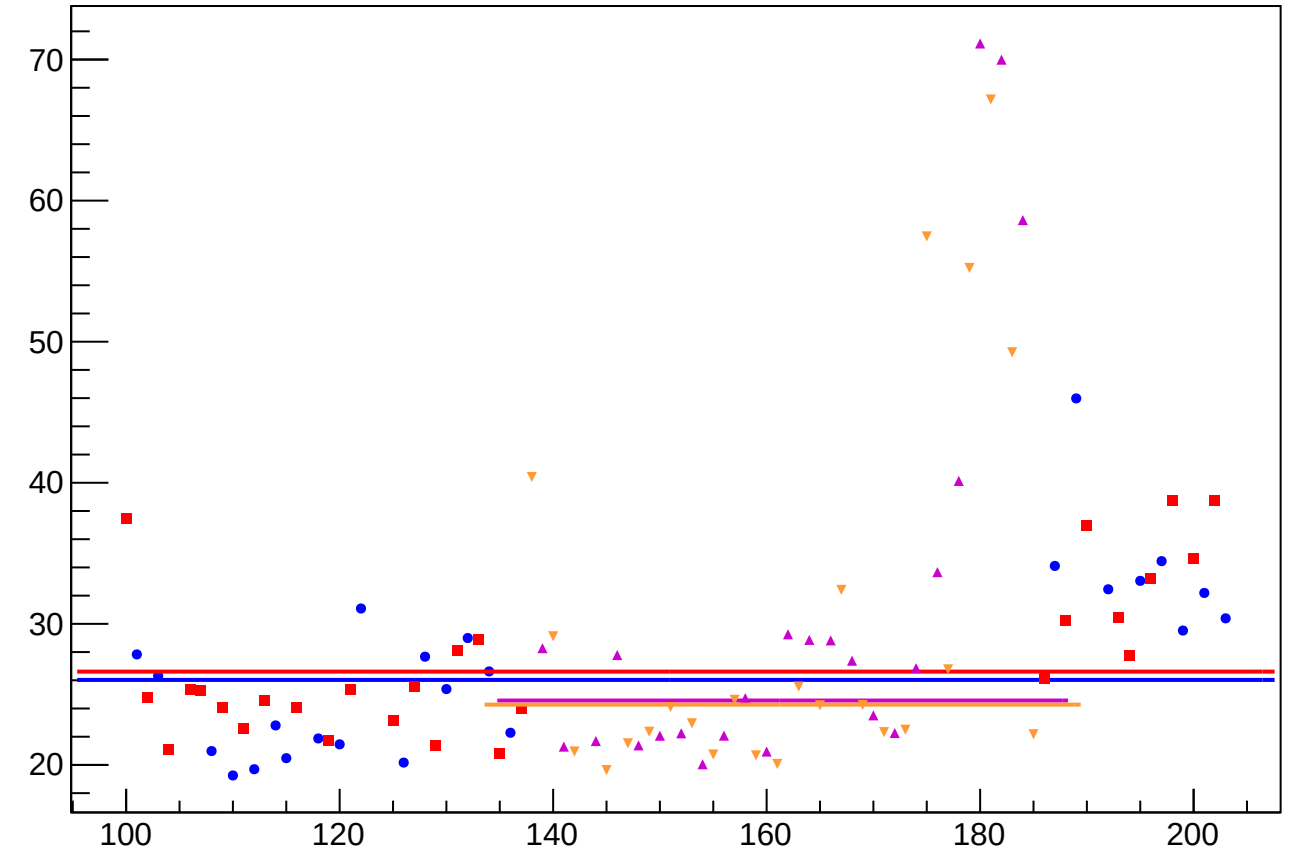
Left: 0.001+/-0.005 χ^2/NDF: 51.6/46

Right: -0.001+/-0.005 χ^2/NDF: 34.0/50

In: 0.003+/-0.005 χ^2/NDF:49.2/46

Out: -0.002+/-0.005 χ^2/NDF:36.1/50

All: 0.001+/-0.003 χ^2/NDF: 85.7/97



Right In: 26.027+/-0.005 χ^2/NDF: 955878.8/23

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

Right Out: 26.615+/-0.005 χ^2/NDF: 888321.2/26

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

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

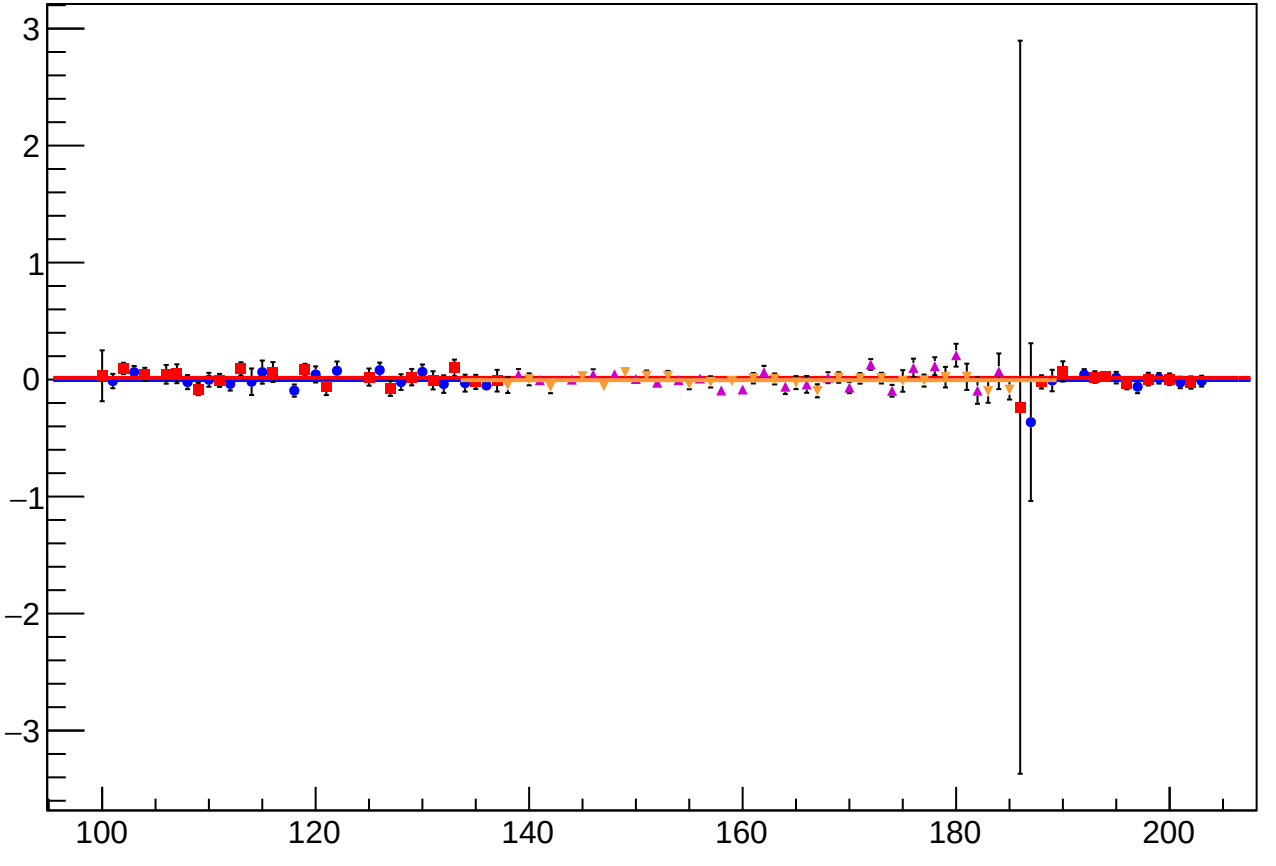
Right: 26.328+/-0.004 χ^2/NDF: 1850141.2/50

In: 25.159+/-0.003 χ^2/NDF:3131357.9/46

Out: 25.242+/-0.003 χ^2/NDF:3311704.7/50

All: 25.201+/-0.002 χ^2/NDF: 6443353.9/97

asym_us_dd_dit_vs_overload_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.003+/-0.012 χ^2/NDF: 14.5/23

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

Right Out: 0.015+/-0.012 χ^2/NDF: 18.1/26

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

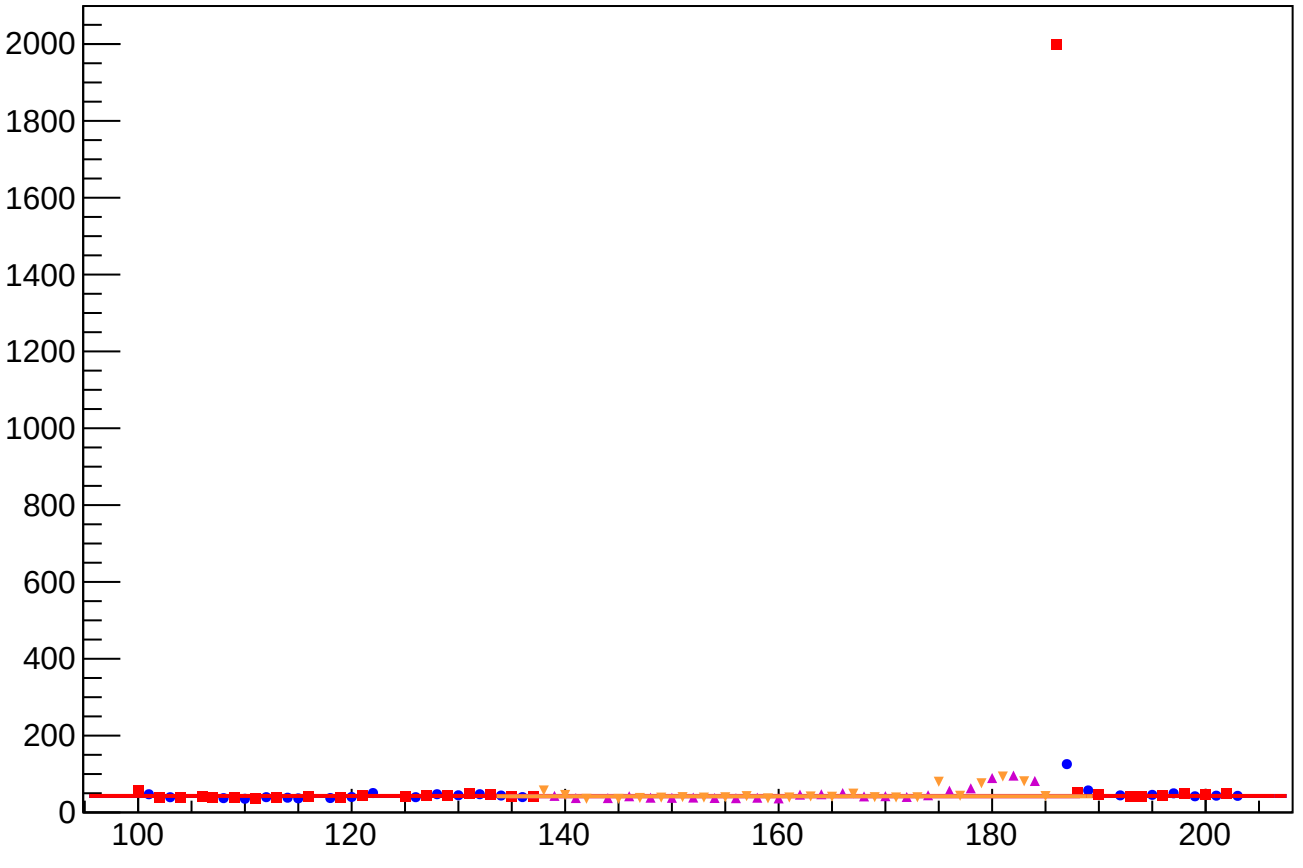
Left: -0.002+/-0.007 χ^2/NDF: 51.9/46

Right: 0.006+/-0.009 χ^2/NDF: 33.7/50

In: -0.001+/-0.008 χ^2/NDF:52.5/46

Out: 0.003+/-0.008 χ^2/NDF:33.5/50

All: 0.001+/-0.006 χ^2/NDF: 86.2/97



Right In: 42.802+/-0.009 χ^2/NDF: 277297.5/23

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

Right Out: 43.005+/-0.008 χ^2/NDF: 1027223.1/26

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

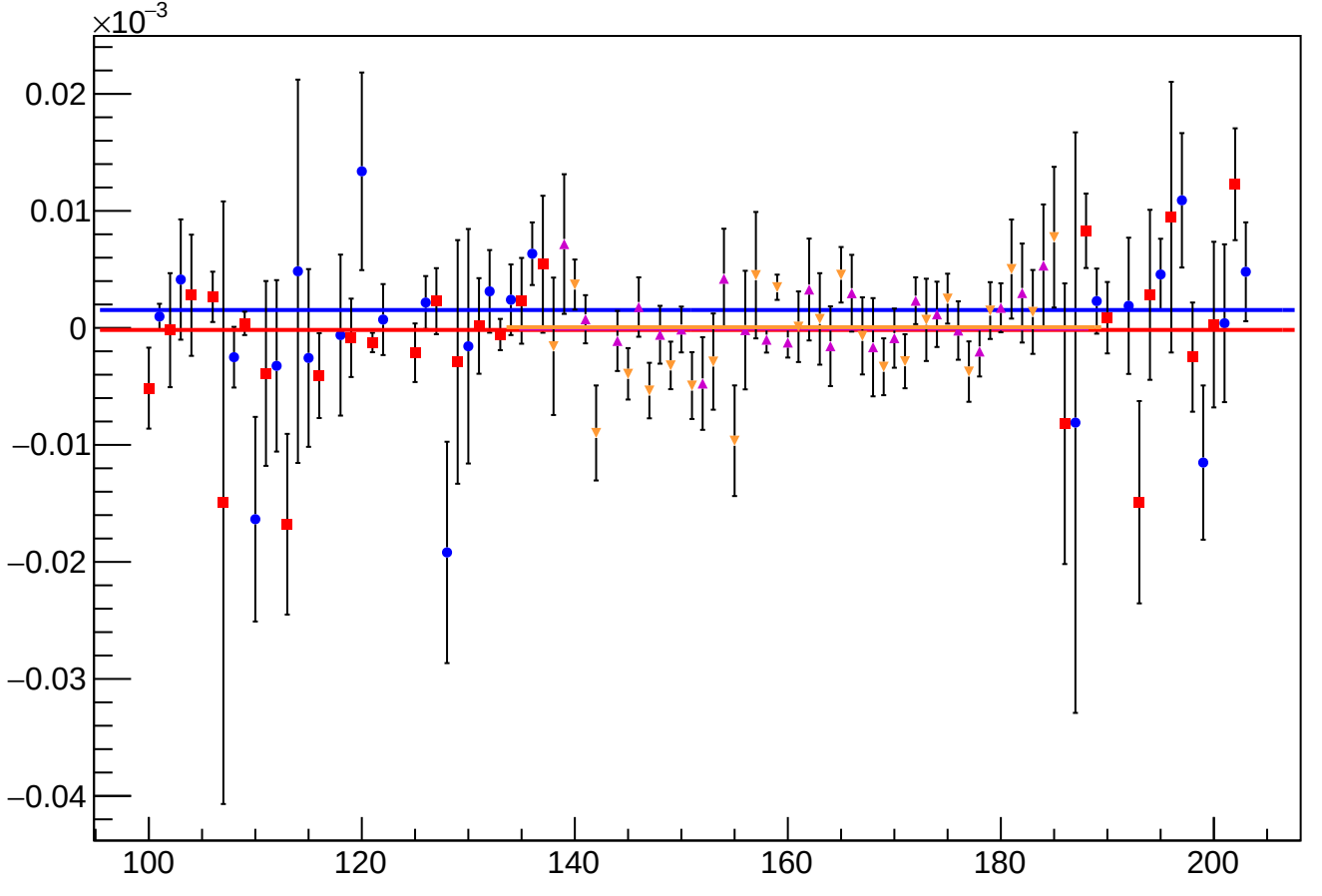
Left: 42.083+/-0.005 χ^2/NDF: 3259553.8/46

Right: 42.906+/-0.006 χ^2/NDF: 1304803.1/50

In: 42.382+/-0.006 χ^2/NDF:1824882.4/46

Out: 42.485+/-0.006 χ^2/NDF:2749991.1/50

All: 42.434+/-0.004 χ^2/NDF: 4575042.2/97



Right In: 0.000+/-0.000 χ^2/NDF: 26.9/23

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

Right Out: -0.000+/-0.000 χ^2/NDF: 33.8/26

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

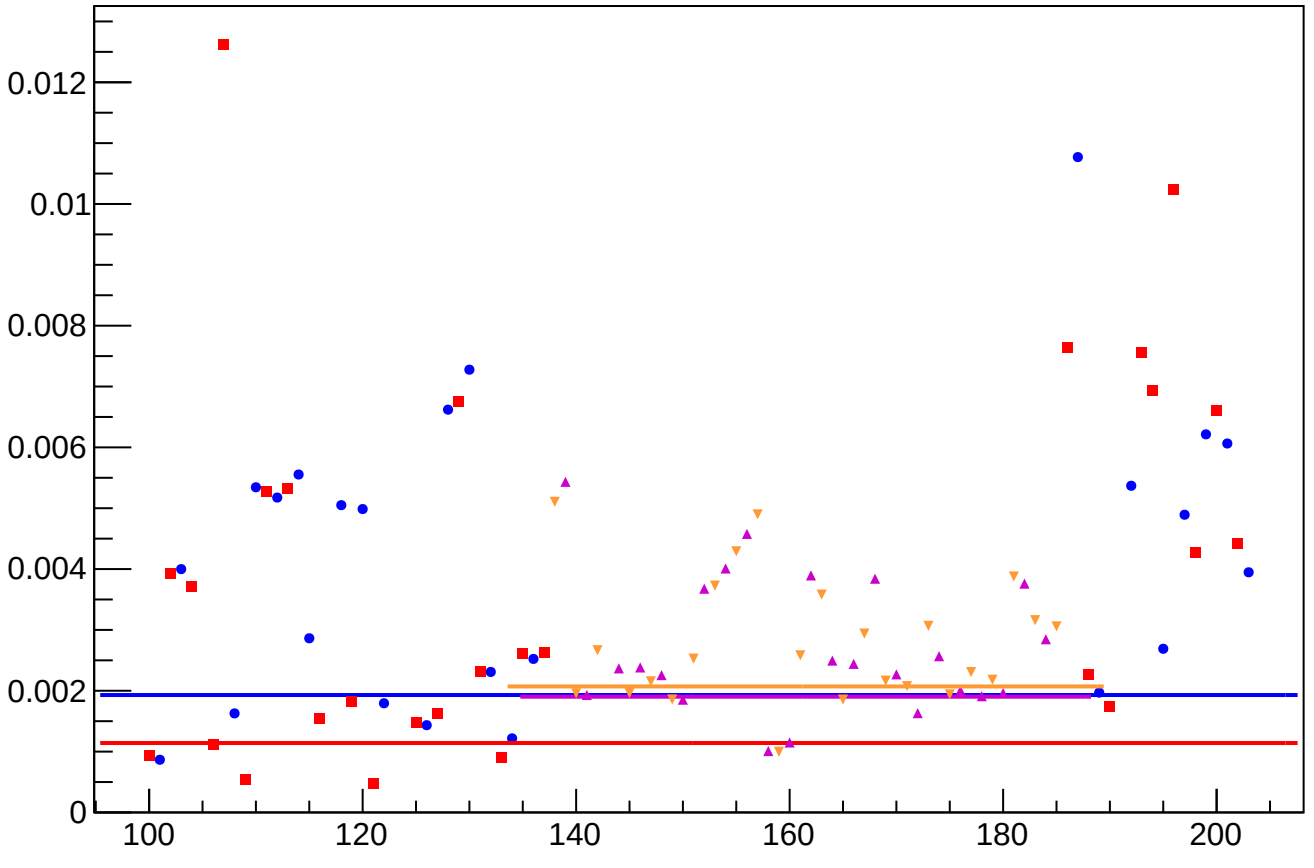
Left: -0.000+/-0.000 χ^2/NDF: 64.7/46

Right: 0.000+/-0.000 χ^2/NDF: 65.0/50

In: 0.000+/-0.000 χ^2/NDF:43.5/46

Out: -0.000+/-0.000 χ^2/NDF:85.6/50

All: 0.000+/-0.000 χ^2/NDF: 130.2/97



Right In: 0.002+/-0.000 χ^2/NDF: 8821878.8/23

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

Right Out: 0.001+/-0.000 χ^2/NDF: 13728172.0/26

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

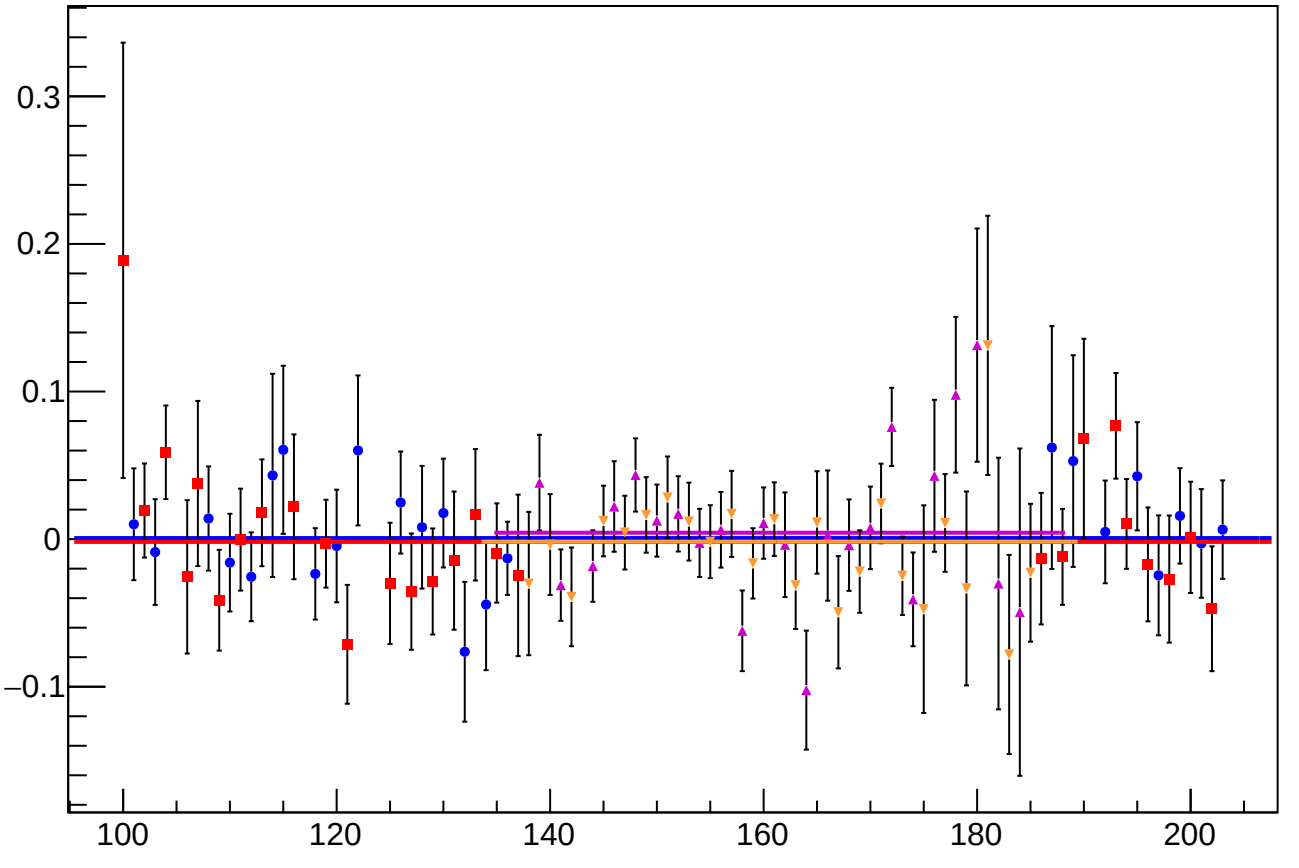
Left: 0.002+/-0.000 χ^2/NDF: 11308615.1/46

Right: 0.001+/-0.000 χ^2/NDF: 24361422.0/50

In: 0.002+/-0.000 χ^2/NDF:14759998.8/46

Out: 0.002+/-0.000 χ^2/NDF:22434721.0/50

All: 0.002+/-0.000 χ^2/NDF: 38060102.2/97



Right In: 0.001+/-0.008 χ^2/NDF: 12.5/23

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

Right Out: -0.002+/-0.008 χ^2/NDF: 21.4/26

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

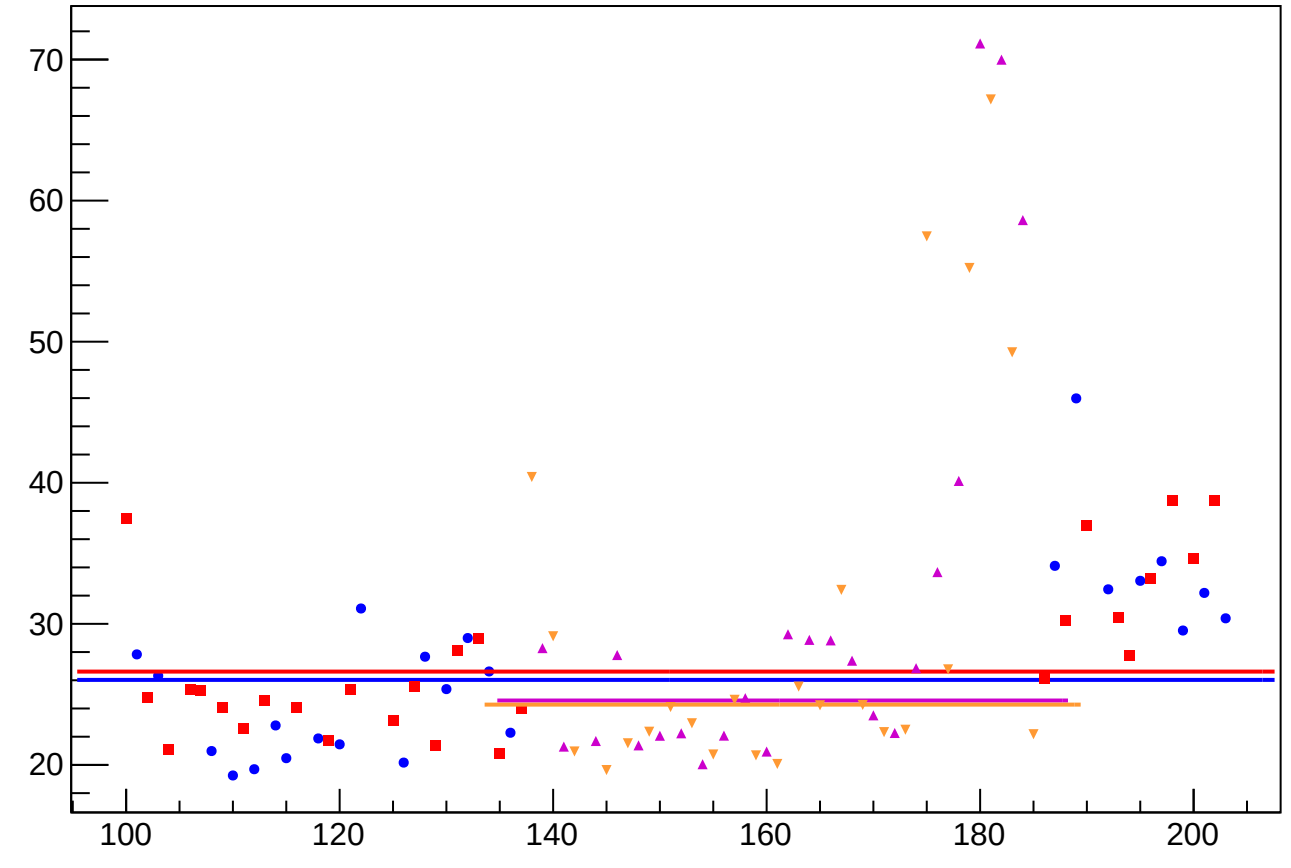
Left: 0.001+/-0.005 χ^2/NDF: 51.6/46

Right: -0.001+/-0.005 χ^2/NDF: 34.0/50

In: 0.003+/-0.005 χ^2/NDF:49.2/46

Out: -0.002+/-0.005 χ^2/NDF:36.1/50

All: 0.001+/-0.003 χ^2/NDF: 85.7/97



Right In: 26.026+/-0.005 χ^2/NDF: 955879.5/23

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

Right Out: 26.616+/-0.005 χ^2/NDF: 888269.2/26

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

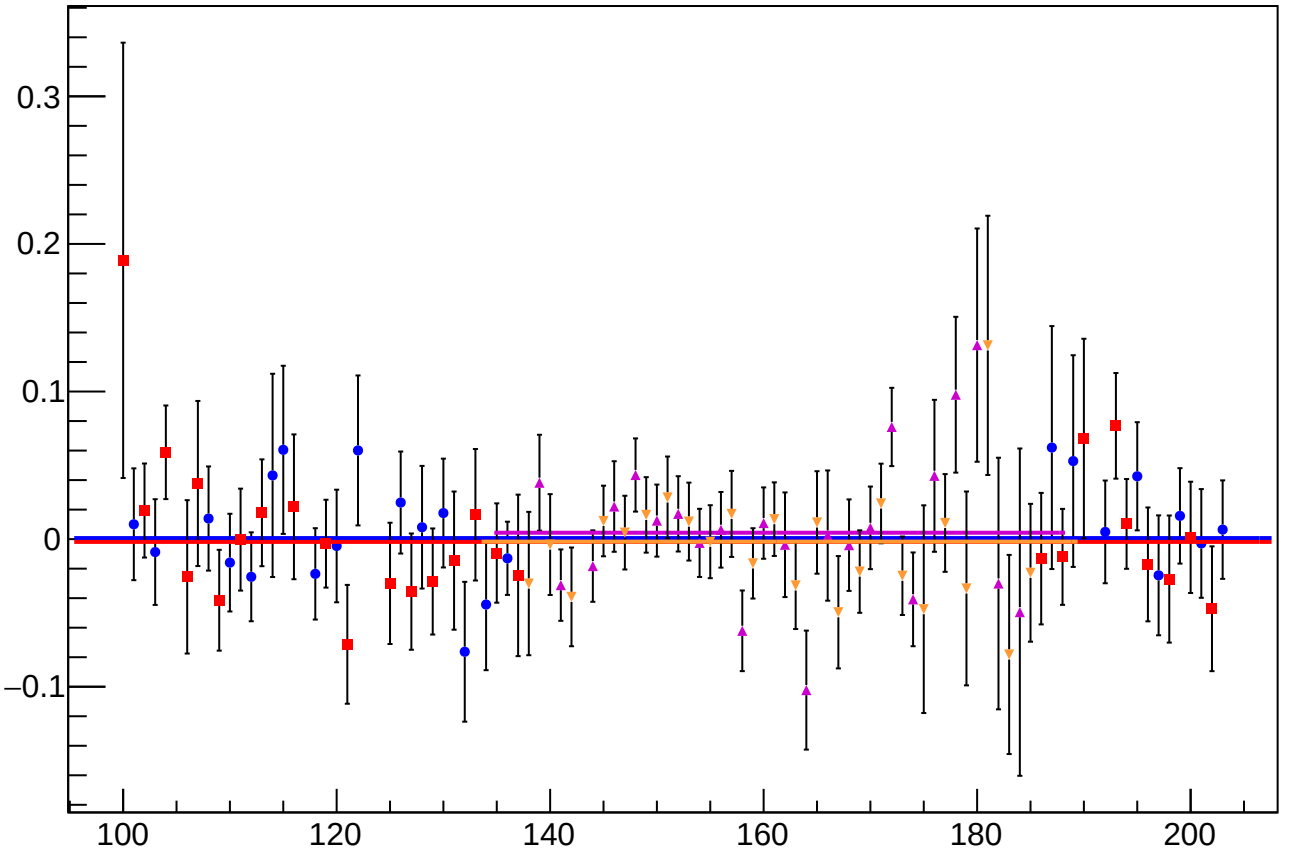
Left: 24.419+/-0.003 χ^2/NDF: 4445544.6/46

Right: 26.327+/-0.004 χ^2/NDF: 1850105.3/50

In: 25.159+/-0.003 χ^2/NDF:3131170.9/46

Out: 25.243+/-0.003 χ^2/NDF:3311666.6/50

All: 25.201+/-0.002 χ^2/NDF: 6443129.9/97



Right In: 0.001+/-0.008 χ^2/NDF: 12.5/23

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

Right Out: -0.002+/-0.008 χ^2/NDF: 21.4/26

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

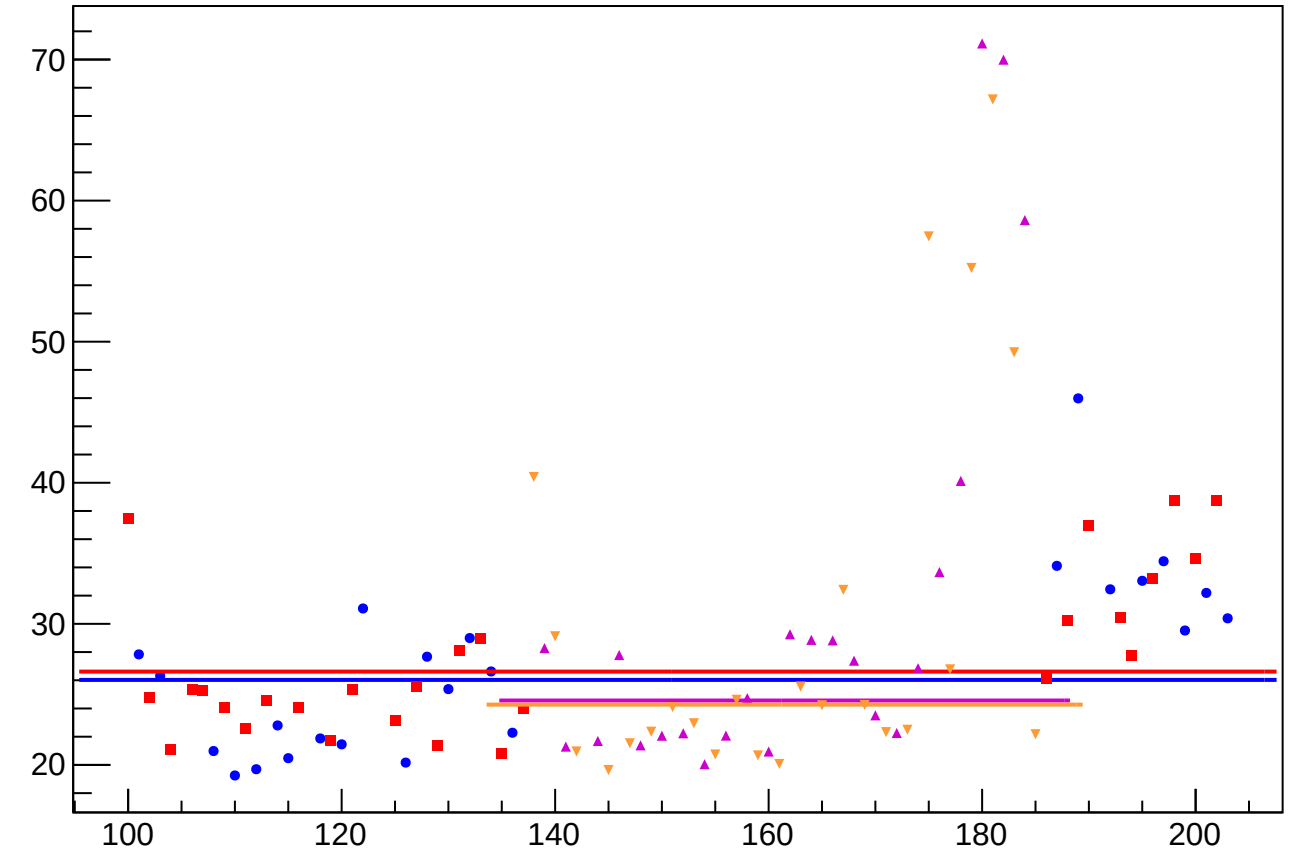
Left: 0.001+/-0.005 χ^2/NDF: 51.6/46

Right: -0.001+/-0.005 χ^2/NDF: 34.0/50

In: 0.003+/-0.005 χ^2/NDF:49.2/46

Out: -0.002+/-0.005 χ^2/NDF:36.1/50

All: 0.001+/-0.003 χ^2/NDF: 85.7/97



Right In: 26.026+/-0.005 χ^2/NDF: 955879.5/23

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

Right Out: 26.616+/-0.005 χ^2/NDF: 888269.2/26

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

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

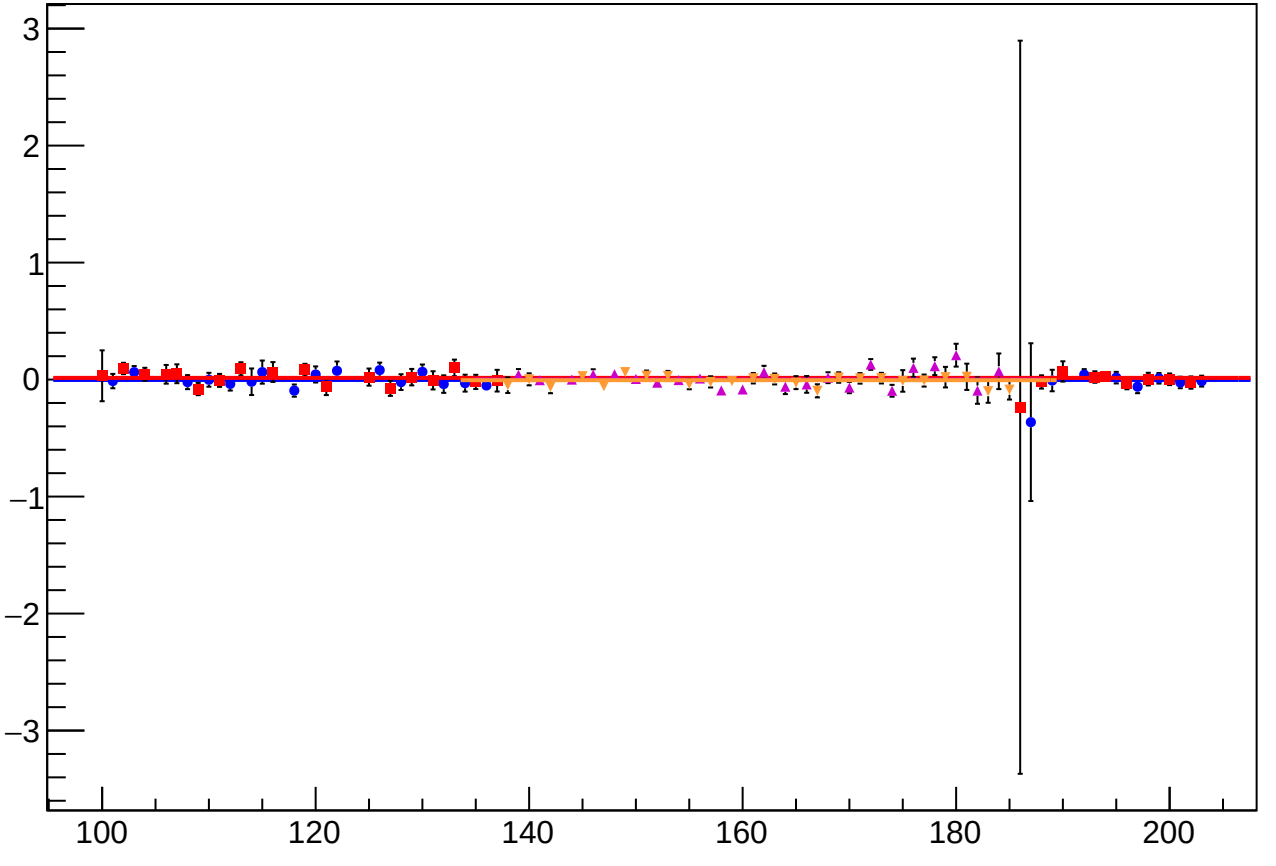
Right: 26.327+/-0.004 χ^2/NDF: 1850105.3/50

In: 25.159+/-0.003 χ^2/NDF:3131170.9/46

Out: 25.243+/-0.003 χ^2/NDF:3311666.6/50

All: 25.201+/-0.002 χ^2/NDF: 6443129.9/97

asym_us_dd_eigen_dit_vs_overload_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.003+/-0.012 χ^2/NDF: 14.5/23

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

Right Out: 0.015+/-0.012 χ^2/NDF: 18.1/26

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

Left: -0.002+/-0.007 χ^2/NDF: 51.9/46

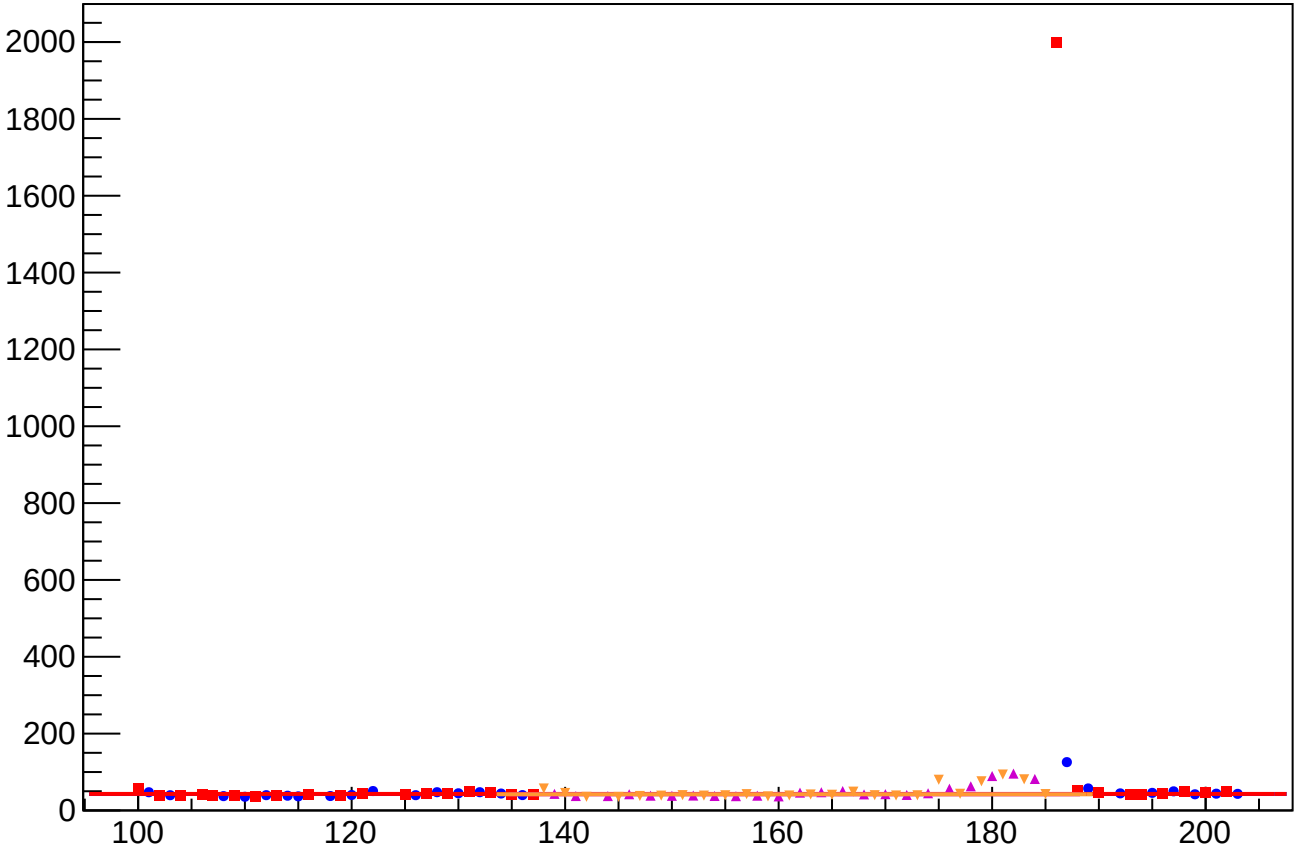
Right: 0.006+/-0.009 χ^2/NDF: 33.7/50

In: -0.001+/-0.008 χ^2/NDF:52.5/46

Out: 0.003+/-0.008 χ^2/NDF:33.5/50

All: 0.001+/-0.006 χ^2/NDF: 86.2/97

asym_us_dd_eigen_dit_vs_overload_cor_diff_rms vs Slug, Sign Corrected



Right In: 42.802+/-0.009 χ^2/NDF: 277262.5/23

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

Right Out: 43.005+/-0.008 χ^2/NDF: 1027220.9/26

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

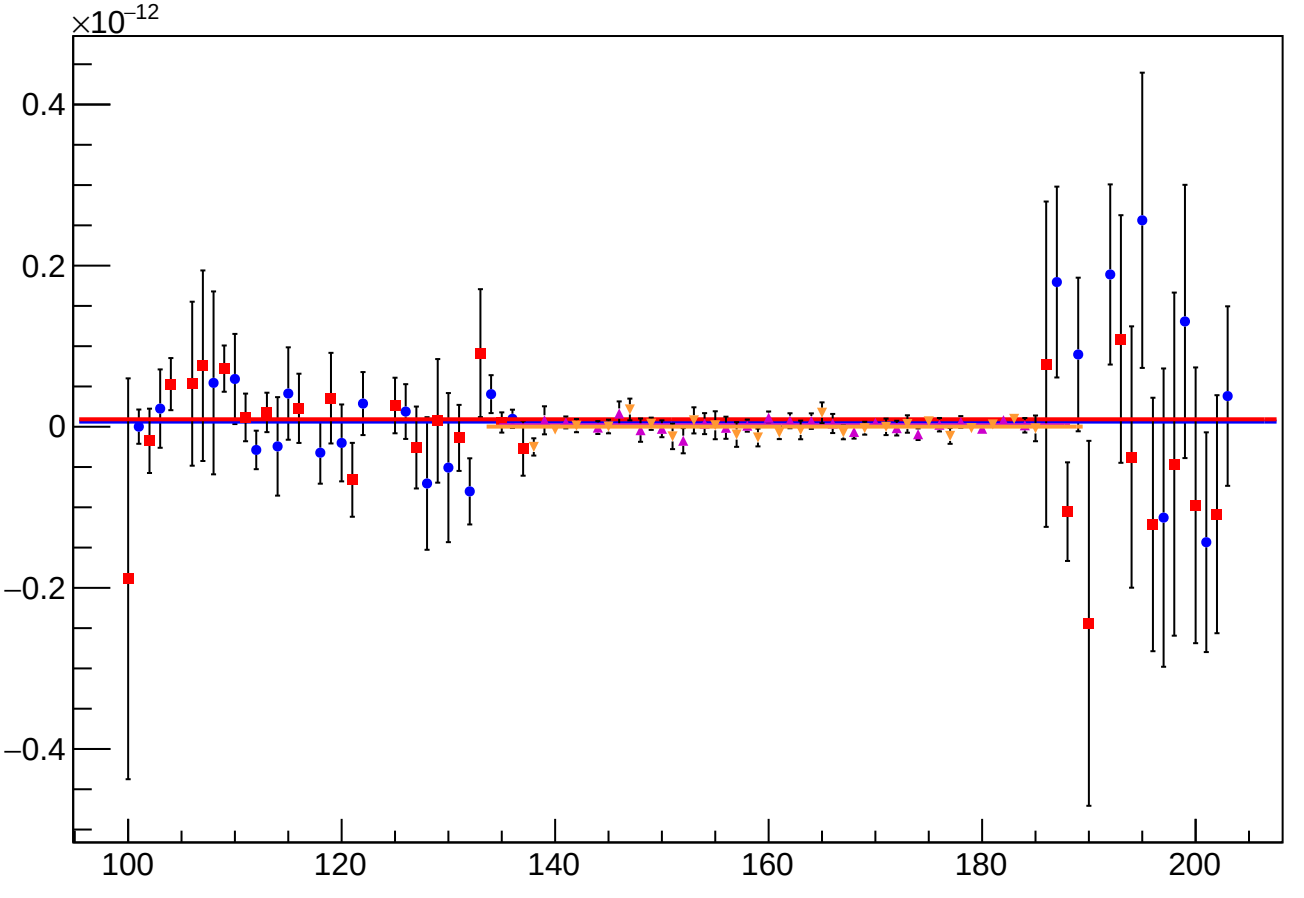
Left: 42.083+/-0.005 χ^2/NDF: 3259520.0/46

Right: 42.906+/-0.006 χ^2/NDF: 1304766.3/50

In: 42.382+/-0.006 χ^2/NDF:1824819.4/46

Out: 42.485+/-0.006 χ^2/NDF:2749978.3/50

All: 42.434+/-0.004 χ^2/NDF: 4574966.5/97



Right In: 0.000+/-0.000 χ^2/NDF: 23.4/23

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

Right Out: 0.000+/-0.000 χ^2/NDF: 21.8/26

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

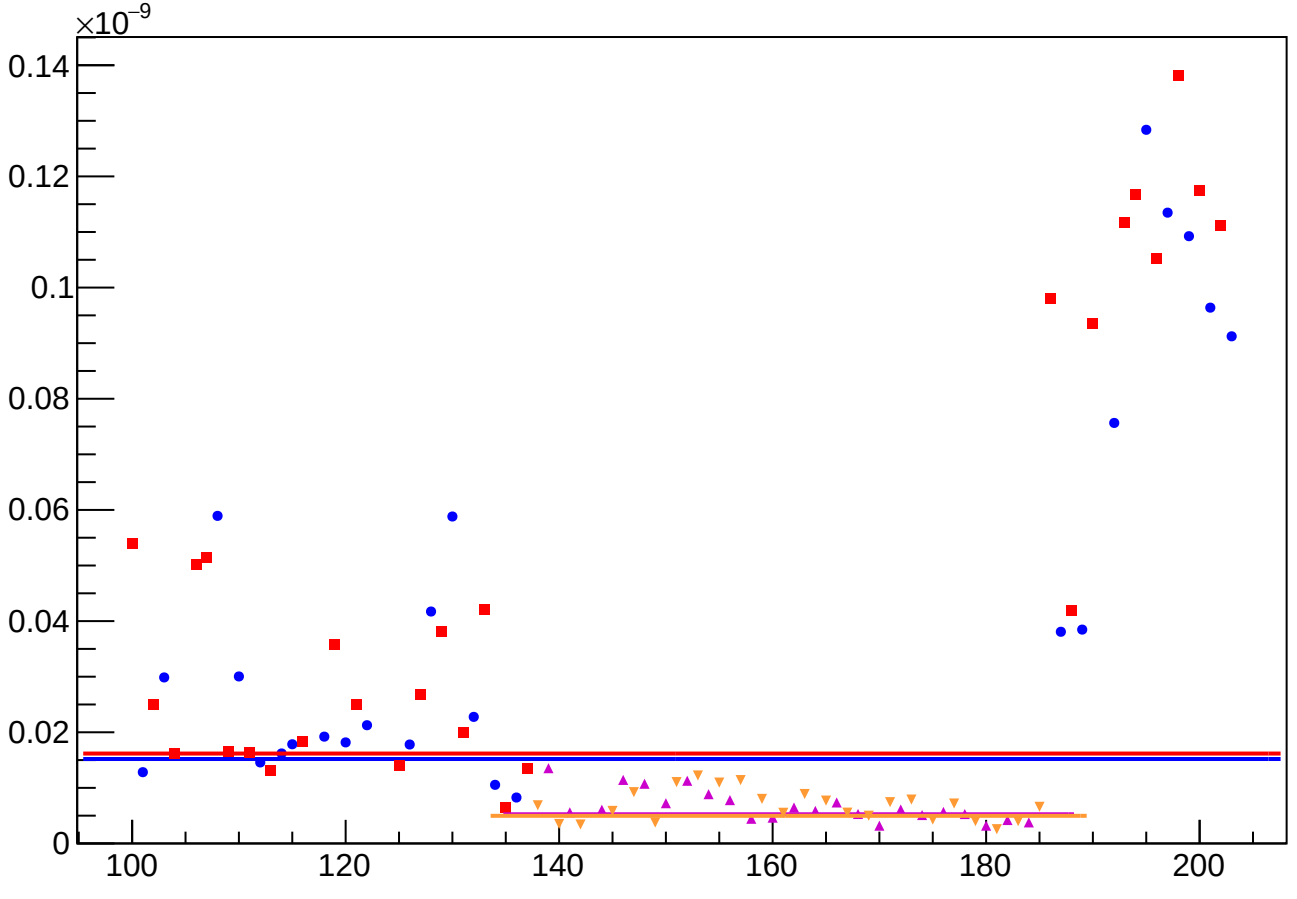
Left: 0.000+/-0.000 χ^2/NDF: 33.5/46

Right: 0.000+/-0.000 χ^2/NDF: 45.3/50

In: 0.000+/-0.000 χ^2/NDF:35.5/46

Out: 0.000+/-0.000 χ^2/NDF:44.4/50

All: 0.000+/-0.000 χ^2/NDF: 80.3/97



Right In: 0.000+/-0.000 χ^2/NDF: 6640821.5/23

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

Right Out: 0.000+/-0.000 χ^2/NDF: 7881130.6/26

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

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

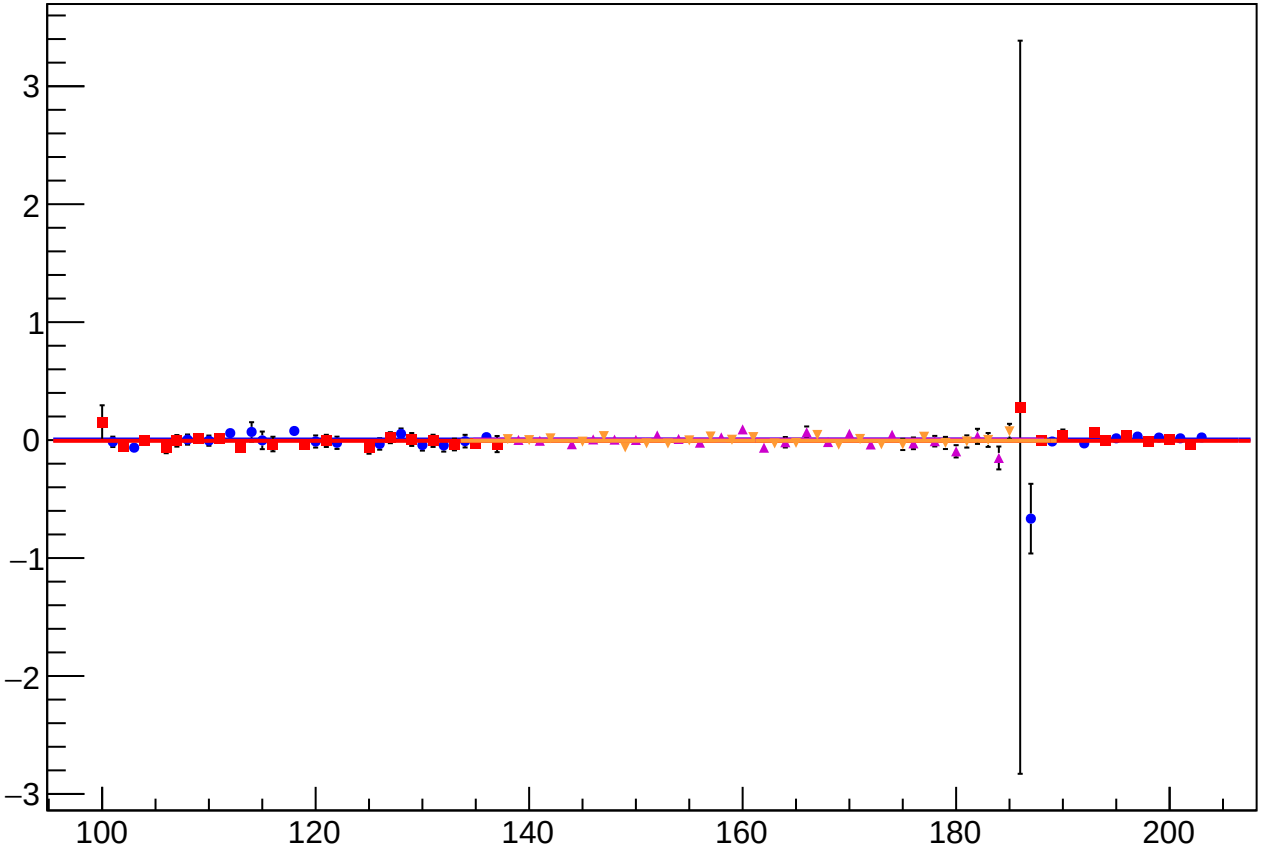
Right: 0.000+/-0.000 χ^2/NDF: 14539200.6/50

In: 0.000+/-0.000 χ^2/NDF:12787566.2/46

Out: 0.000+/-0.000 χ^2/NDF:15494683.4/50

All: 0.000+/-0.000 χ^2/NDF: 28316131.0/97

asym_us_dd_overload_cor_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.005+/-0.008 χ^2/NDF: 24.1/23

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

Right Out: -0.006+/-0.007 χ^2/NDF: 22.3/26

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

Left: -0.001+/-0.005 χ^2/NDF: 48.8/46

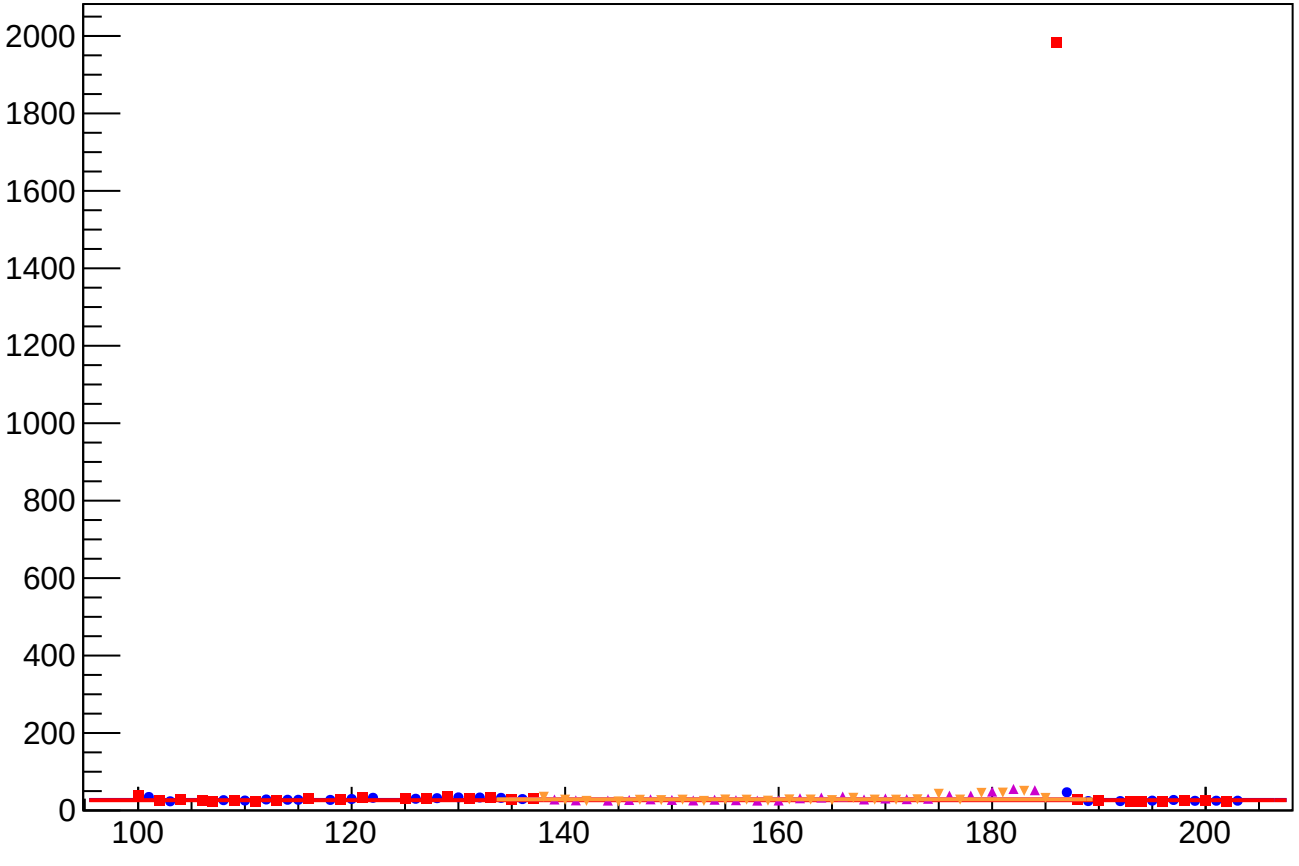
Right: -0.001+/-0.005 χ^2/NDF: 47.5/50

In: 0.004+/-0.005 χ^2/NDF:55.3/46

Out: -0.006+/-0.005 χ^2/NDF:39.1/50

All: -0.001+/-0.004 χ^2/NDF: 96.3/97

asym_us_dd_overload_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 27.121+/-0.006 χ^2/NDF: 327018.9/23

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

Right Out: 26.495+/-0.005 χ^2/NDF: 1100367.9/26

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

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

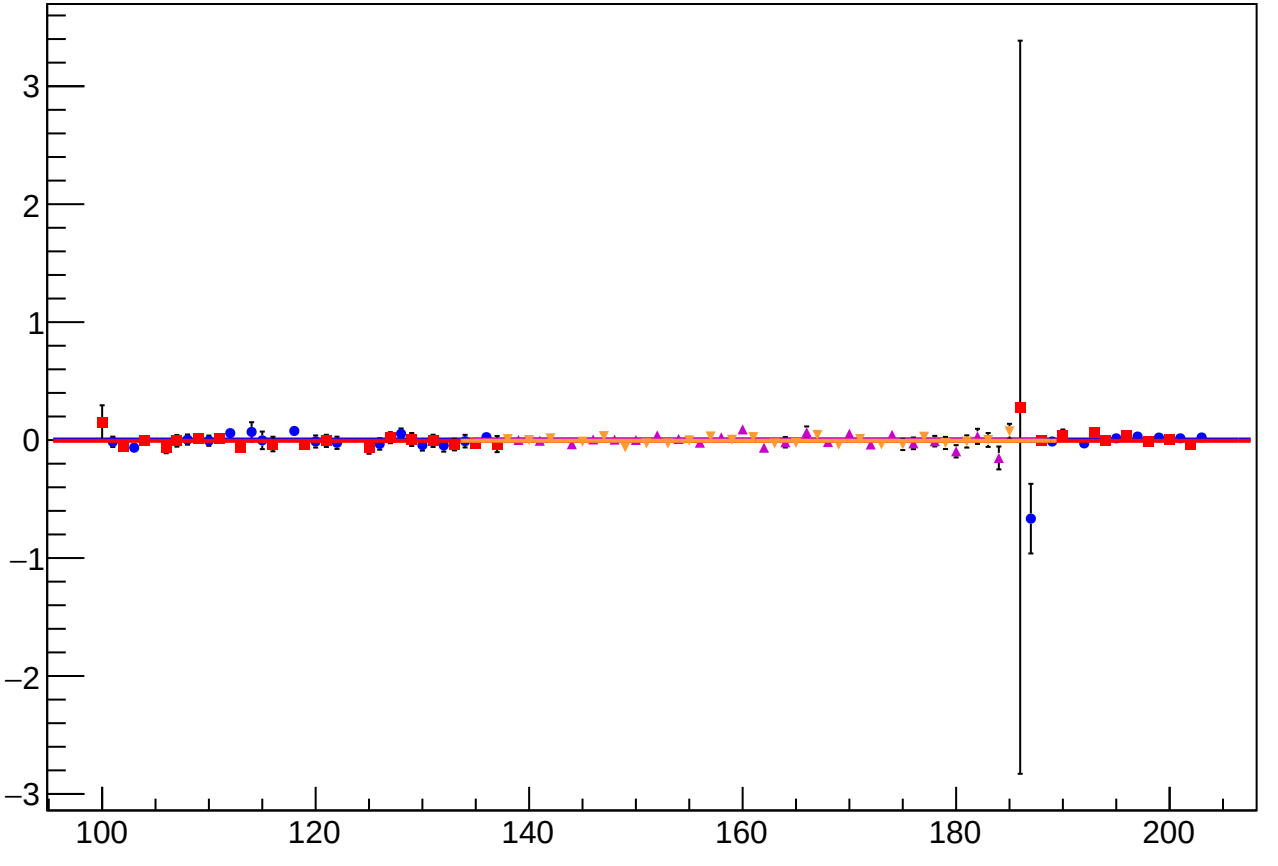
Right: 26.794+/-0.004 χ^2/NDF: 1434080.6/50

In: 28.280+/-0.004 χ^2/NDF:1548082.4/46

Out: 27.706+/-0.004 χ^2/NDF:2369676.7/50

All: 27.984+/-0.003 χ^2/NDF: 3929876.9/97

asym_us_dd_overload_cor_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.005+/-0.008 χ^2/NDF: 24.1/23

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

Right Out: -0.006+/-0.007 χ^2/NDF: 22.3/26

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

Left: -0.001+/-0.005 χ^2/NDF: 48.8/46

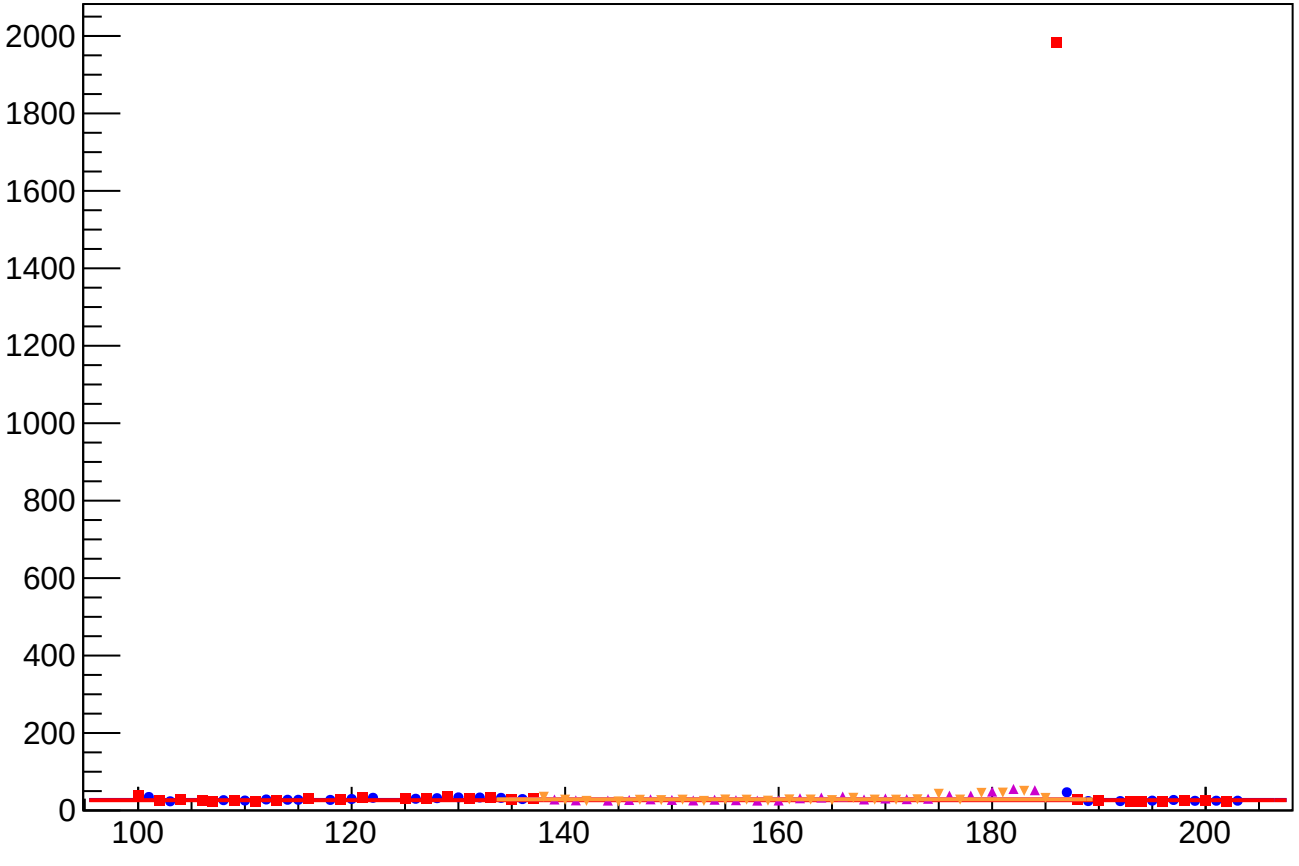
Right: -0.001+/-0.005 χ^2/NDF: 47.5/50

In: 0.004+/-0.005 χ^2/NDF:55.3/46

Out: -0.006+/-0.005 χ^2/NDF:39.1/50

All: -0.001+/-0.004 χ^2/NDF: 96.3/97

asym_us_dd_overload_cor_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 27.121+/-0.006 χ^2/NDF: 327018.9/23

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

Right Out: 26.495+/-0.005 χ^2/NDF: 1100367.9/26

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

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

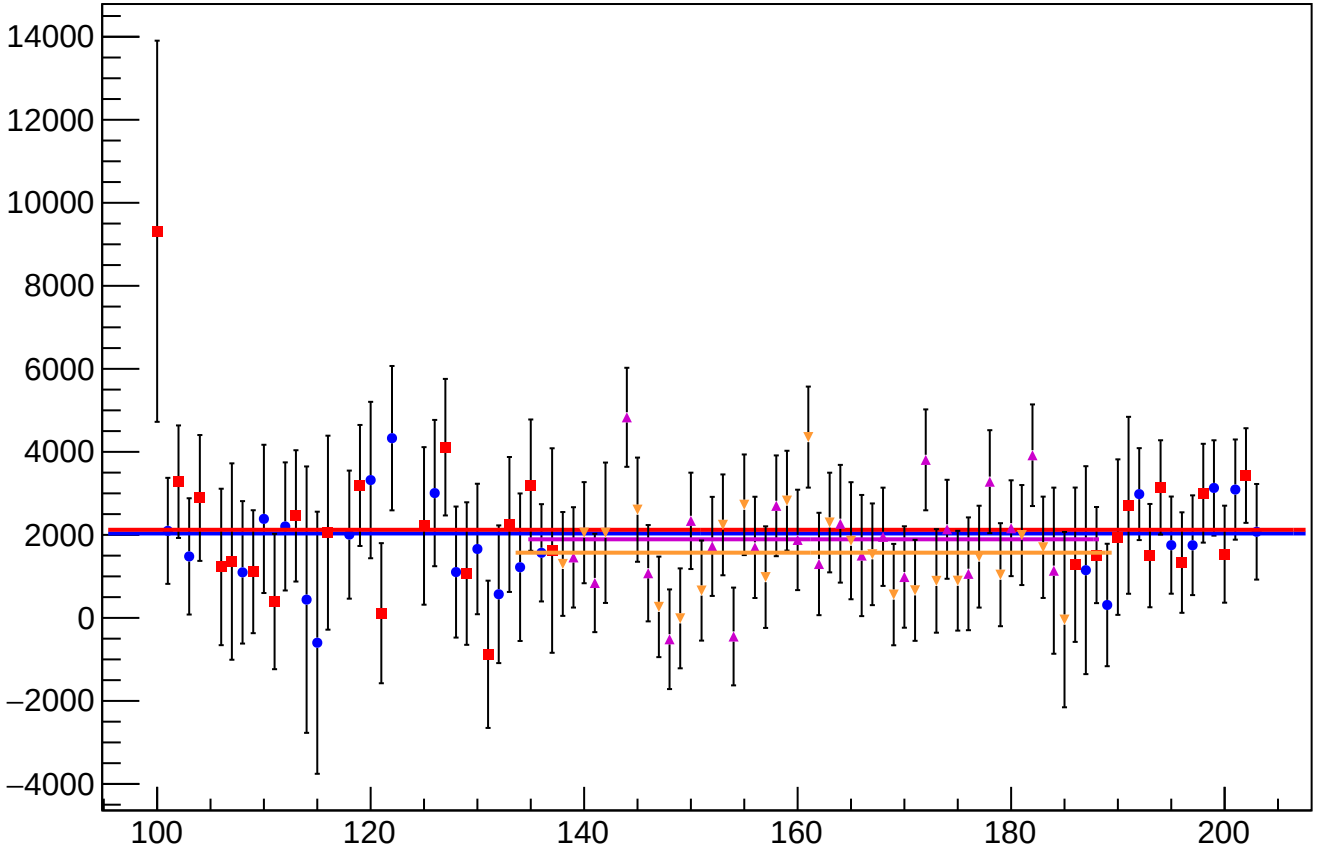
Right: 26.794+/-0.004 χ^2/NDF: 1434080.6/50

In: 28.280+/-0.004 χ^2/NDF:1548082.4/46

Out: 27.706+/-0.004 χ^2/NDF:2369676.7/50

All: 27.984+/-0.003 χ^2/NDF: 3929876.9/97

reg_asym_usl_mean vs Slug, Sign Corrected



Right In: 2033.928+/-301.255 χ^2/NDF: 9.5/23

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

Right Out: 2122.780+/-290.844 χ^2/NDF: 16.7/27

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

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

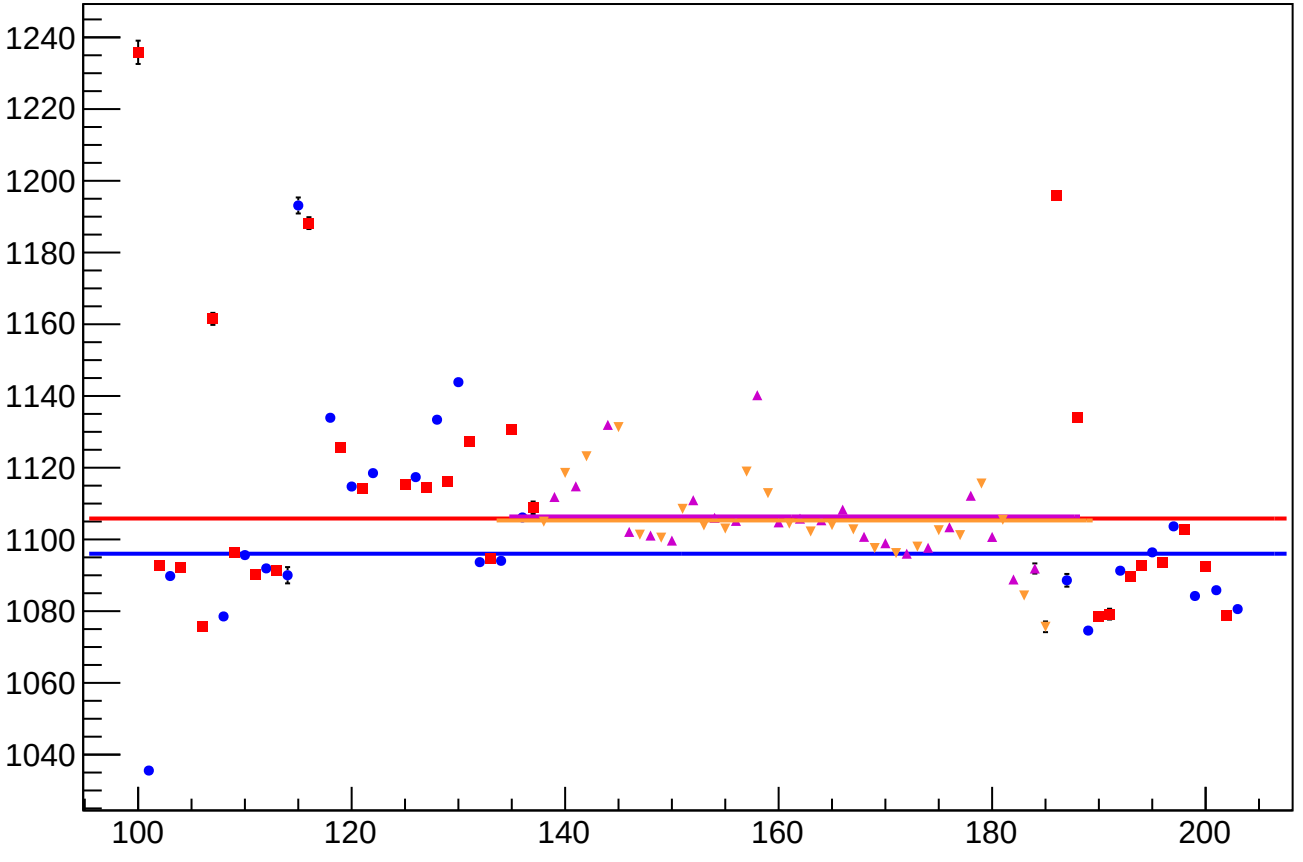
Right: 2079.916+/-209.242 χ^2/NDF: 26.3/51

In: 1952.919+/-196.107 χ^2/NDF:33.8/46

Out: 1812.472+/-192.390 χ^2/NDF:34.1/51

All: 1881.352+/-137.336 χ^2/NDF: 68.1/98

reg_asym_usl_rms vs Slug, Sign Corrected



Right In: 1096.017+/-0.213 χ^2/NDF: 13074.9/23

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

Right Out: 1105.833+/-0.206 χ^2/NDF: 16819.0/27

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

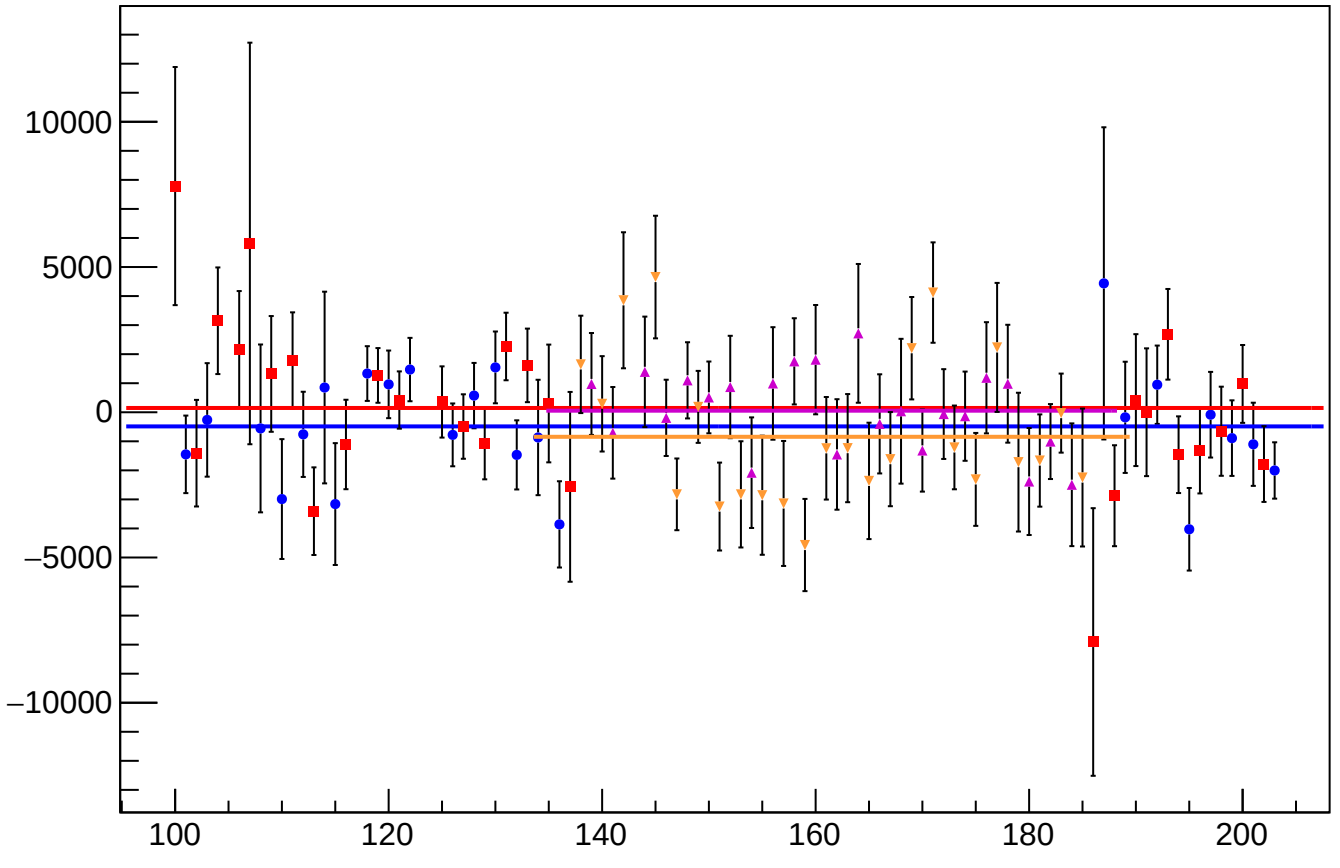
Left: 1105.846+/-0.129 χ^2/NDF: 6956.8/46

Right: 1101.098+/-0.148 χ^2/NDF: 30992.8/51

In: 1102.003+/-0.139 χ^2/NDF:18221.6/46

Out: 1105.530+/-0.136 χ^2/NDF:19984.6/51

All: 1103.800+/-0.097 χ^2/NDF: 38535.8/98



Right In: -486.910+/-284.736 χ^2/NDF: 32.9/23

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

Right Out: 147.730+/-286.451 χ^2/NDF: 38.3/27

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

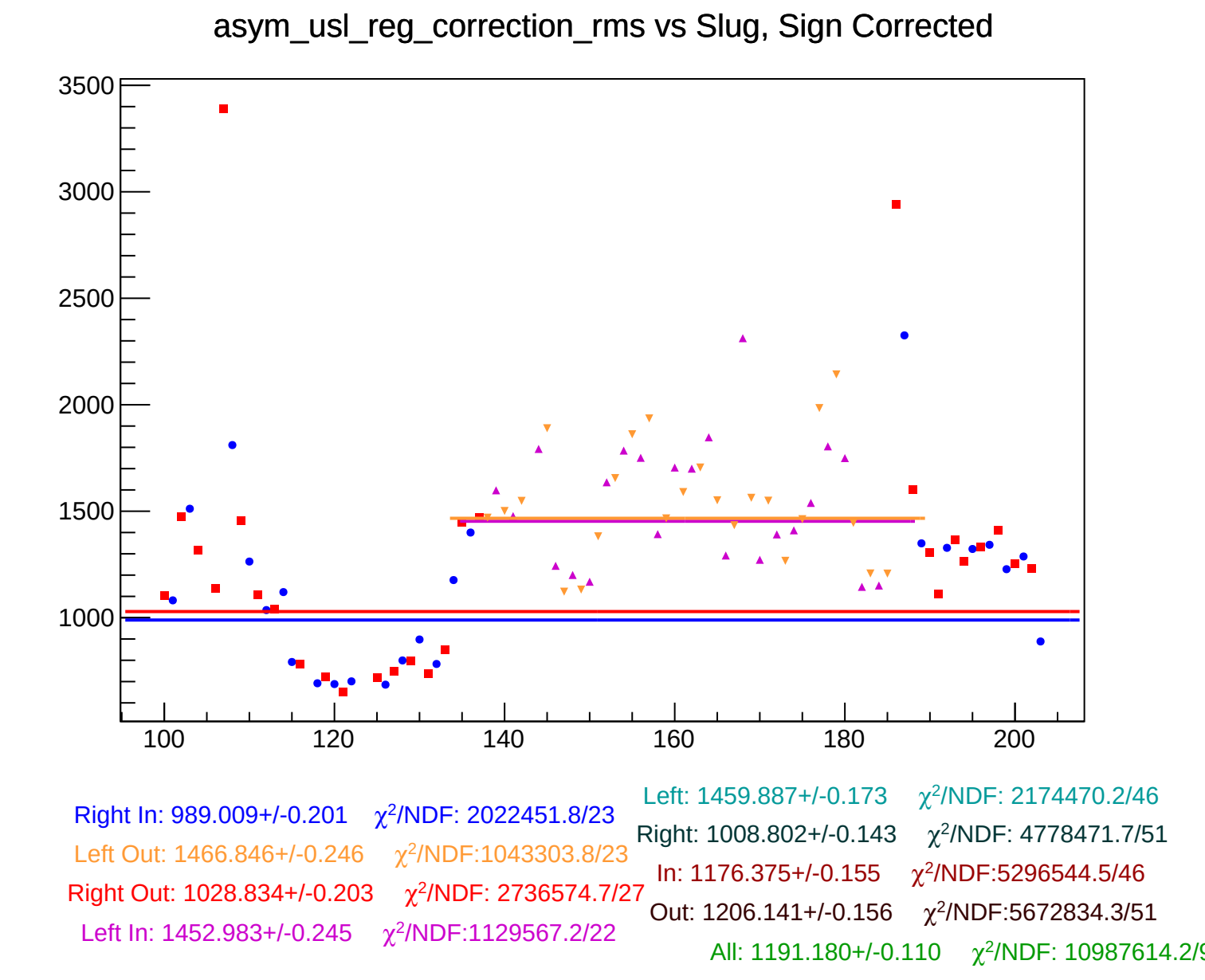
Left: -393.356+/-245.120 χ^2/NDF: 60.6/46

Right: -171.496+/-201.942 χ^2/NDF: 73.7/51

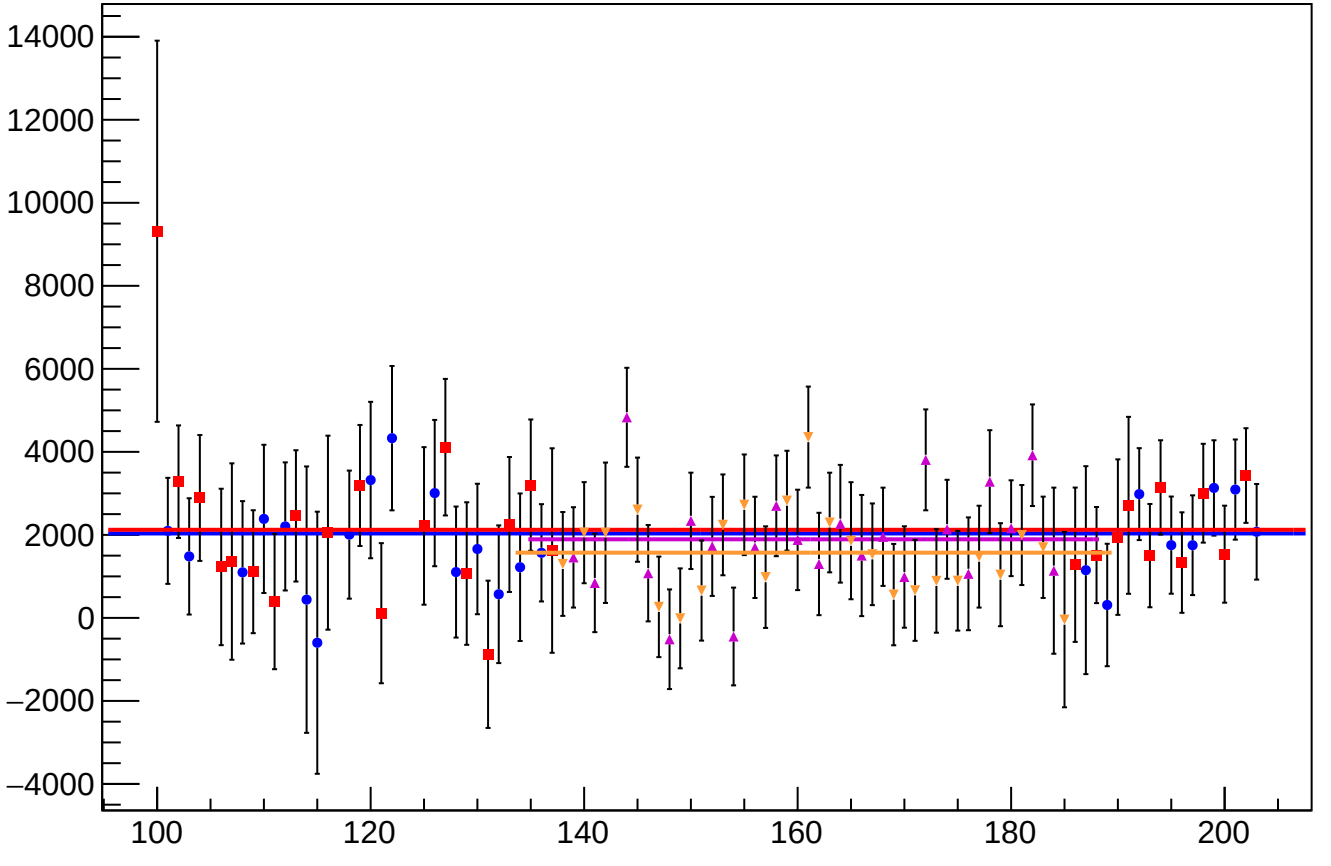
In: -268.335+/-219.850 χ^2/NDF:47.4/46

Out: -253.984+/-220.995 χ^2/NDF:87.4/51

All: -261.196+/-155.861 χ^2/NDF: 134.7/98


asym_usl_reg_correction_rms vs Slug, Sign Corrected
3500
3000
2500
2000
1500
1000
100
120
140
160
180
200
Right In: 989.009+/-0.201 χ²/NDF: 2022451.8/23
Left Out: 1466.846+/-0.246 χ²/NDF:1043303.8/23
Right Out: 1028.834+/-0.203 χ²/NDF: 2736574.7/27
Left In: 1452.983+/-0.245 χ²/NDF:1129567.2/22
Left: 1459.887+/-0.173 χ²/NDF: 2174470.2/46
Right: 1008.802+/-0.143 χ²/NDF: 4778471.7/51
In: 1176.375+/-0.155 χ²/NDF:5296544.5/46
Out: 1206.141+/-0.156 χ²/NDF:5672834.3/51
All: 1191.180+/-0.110 χ²/NDF: 10987614.2/9

cor_asym_usl_mean vs Slug, Sign Corrected



Right In: 2033.928+/-301.255 χ^2/NDF: 9.5/23

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

Right Out: 2122.770+/-290.844 χ^2/NDF: 16.7/27

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

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

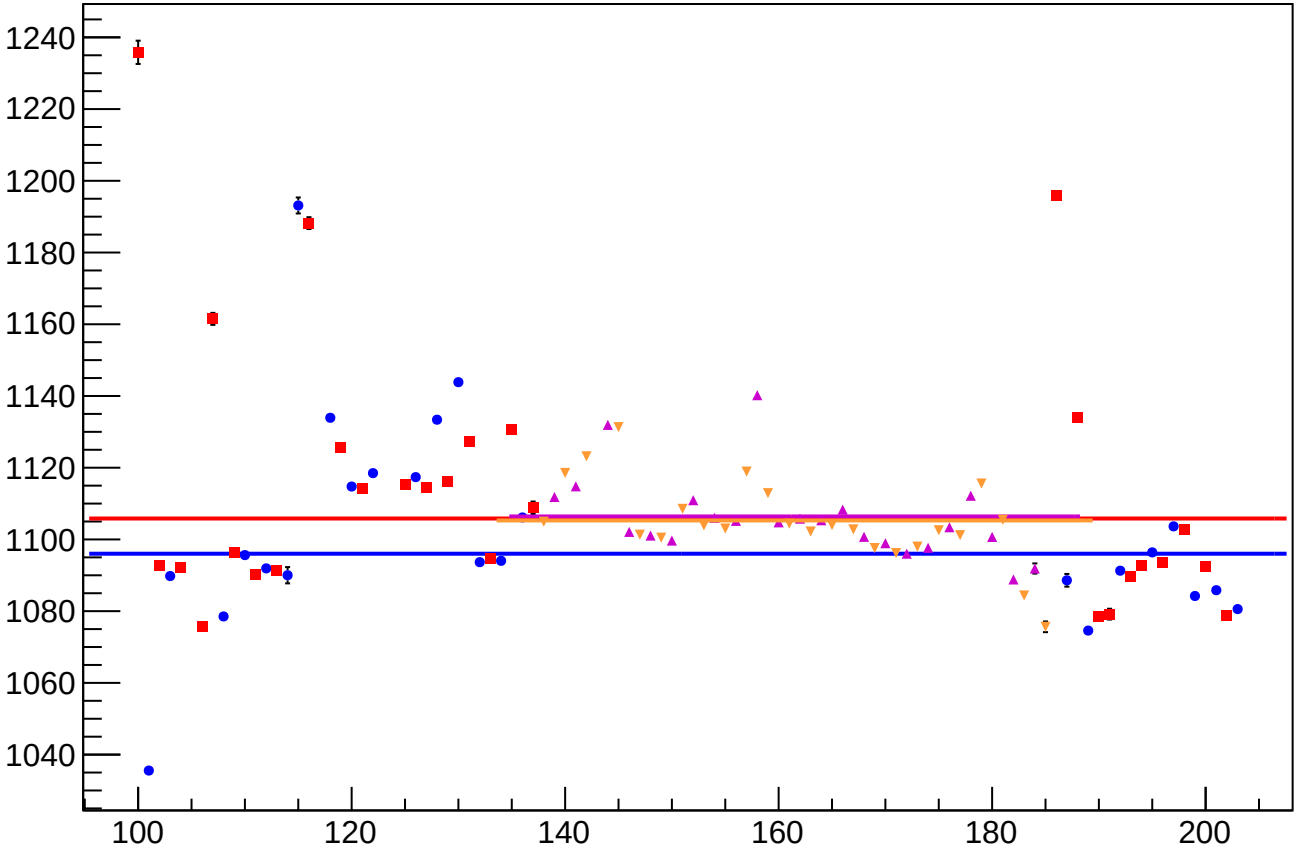
Right: 2079.911+/-209.242 χ^2/NDF: 26.3/51

In: 1952.919+/-196.107 χ^2/NDF:33.8/46

Out: 1812.468+/-192.390 χ^2/NDF:34.1/51

All: 1881.350+/-137.336 χ^2/NDF: 68.1/98

cor_asym_usl_rms vs Slug, Sign Corrected



Right In: 1096.017+/-0.213 χ^2/NDF: 13074.9/23

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

Right Out: 1105.833+/-0.206 χ^2/NDF: 16819.0/27

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

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

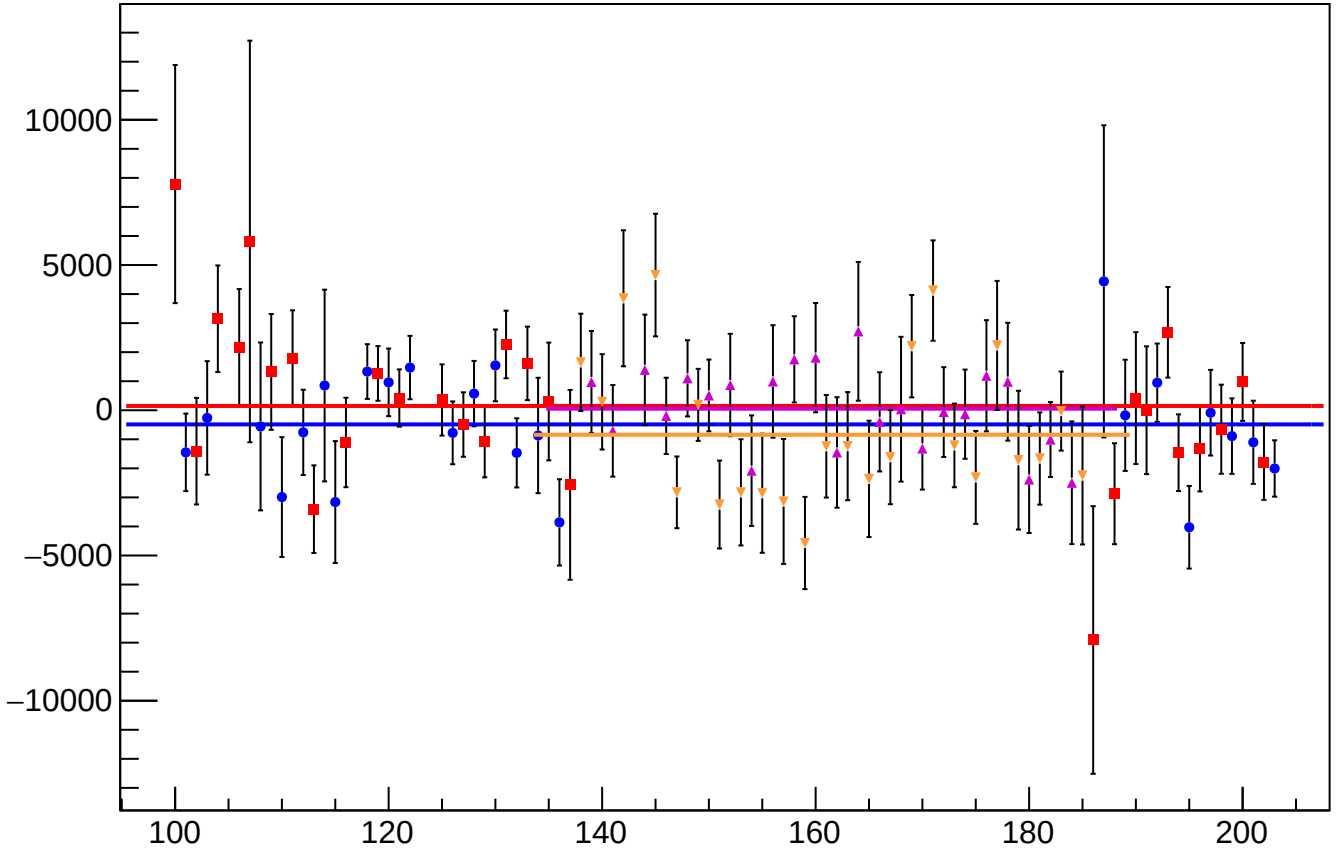
Right: 1101.098+/-0.148 χ^2/NDF: 30992.8/51

In: 1102.003+/-0.139 χ^2/NDF:18221.6/46

Out: 1105.530+/-0.136 χ^2/NDF:19984.6/51

All: 1103.800+/-0.097 χ^2/NDF: 38535.8/98

asym_usl_cor_correction_mean vs Slug, Sign Corrected



Right In: -486.910+/-284.736 χ^2/NDF: 32.9/23

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

Right Out: 147.730+/-286.451 χ^2/NDF: 38.3/27

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

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

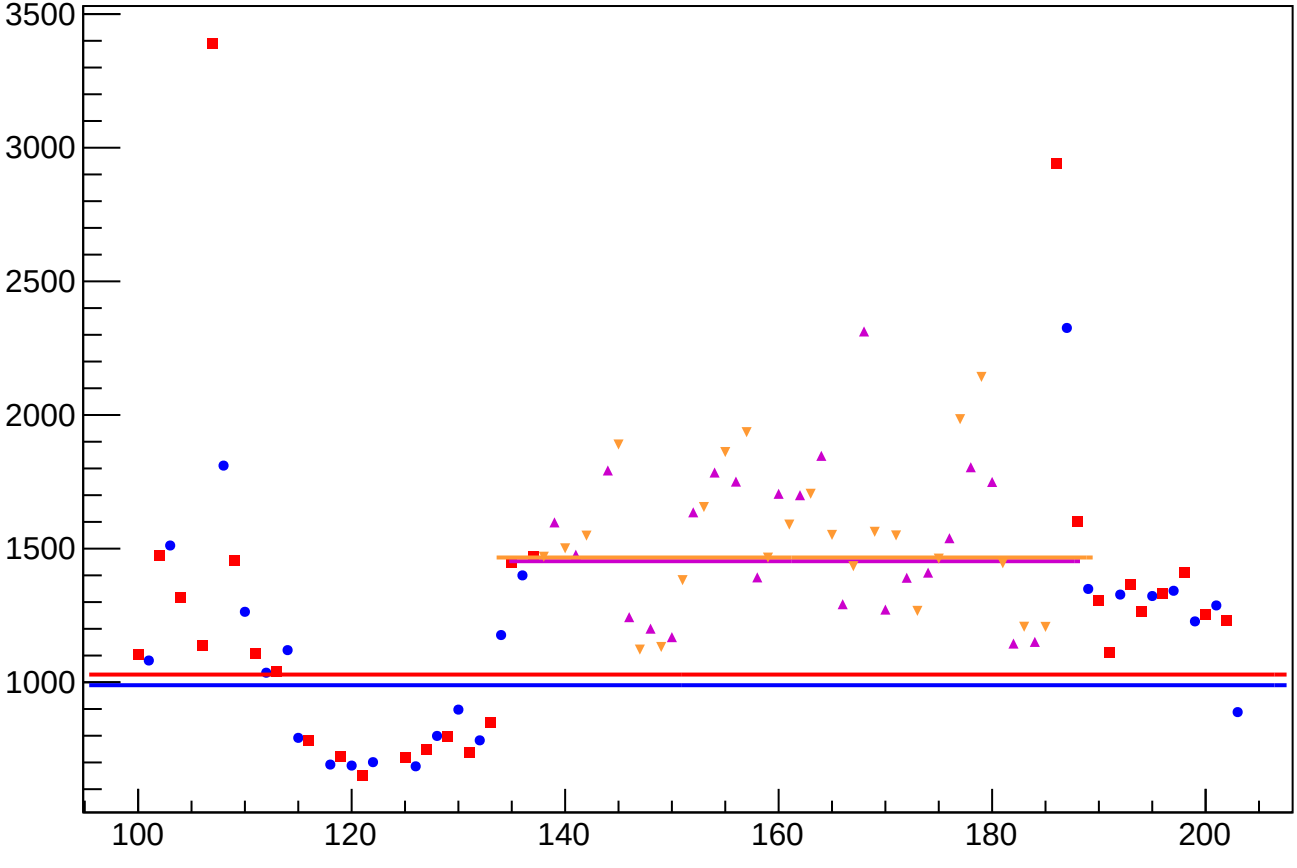
Right: -171.496+/-201.942 χ^2/NDF: 73.7/51

In: -268.335+/-219.850 χ^2/NDF:47.4/46

Out: -253.984+/-220.995 χ^2/NDF:87.4/51

All: -261.196+/-155.861 χ^2/NDF: 134.7/98

asym_usl_cor_correction_rms vs Slug, Sign Corrected



Right In: 989.009+/-0.201 χ^2/NDF: 2022451.8/23

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

Right Out: 1028.834+/-0.203 χ^2/NDF: 2736573.9/27

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

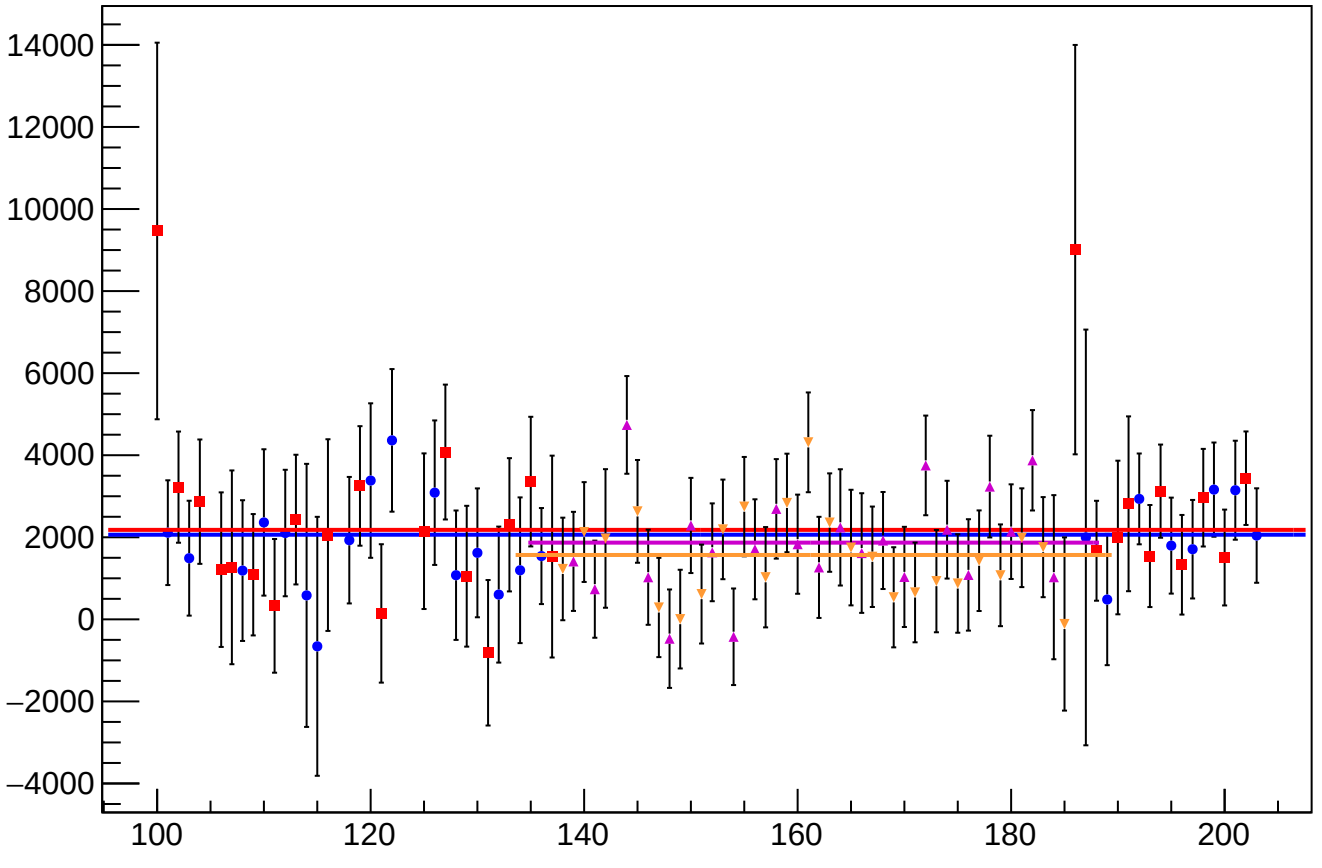
Left: 1459.887+/-0.173 χ^2/NDF: 2174470.2/46

Right: 1008.802+/-0.143 χ^2/NDF: 4778470.7/51

In: 1176.375+/-0.155 χ^2/NDF:5296544.5/46

Out: 1206.140+/-0.156 χ^2/NDF:5672835.3/51

All: 1191.180+/-0.110 χ^2/NDF: 10987615.1/9



Right In: 2062.597+/-303.657 χ^2/NDF: 9.1/23

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

Right Out: 2180.795+/-294.716 χ^2/NDF: 18.4/27

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

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

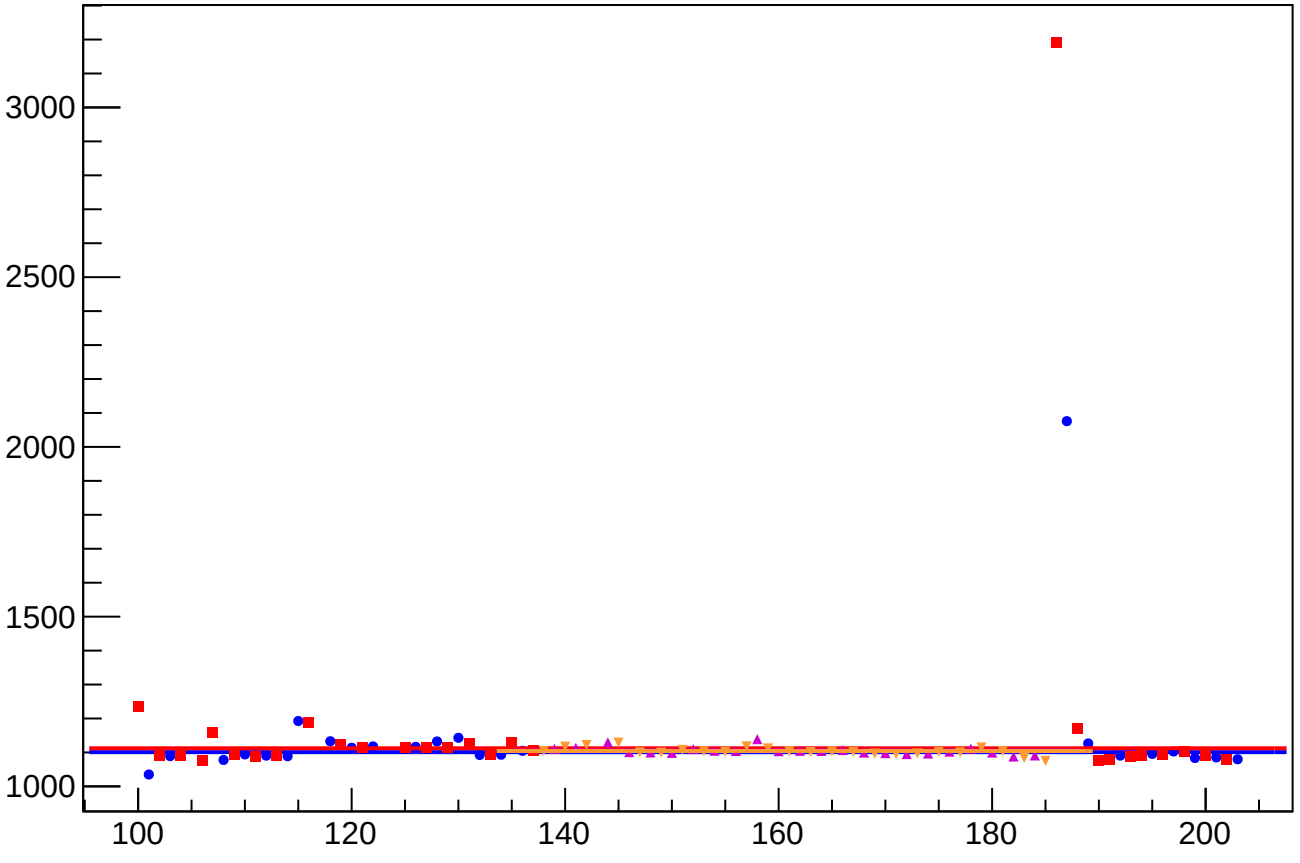
Right: 2123.462+/-211.486 χ^2/NDF: 27.7/51

In: 1950.399+/-196.659 χ^2/NDF:32.8/46

Out: 1832.322+/-193.395 χ^2/NDF:36.3/51

All: 1890.372+/-137.890 χ^2/NDF: 69.3/98

overload_cor_asym_usl_rms vs Slug, Sign Corrected



Right In: 1100.864+/-0.215 χ^2/NDF: 87573.3/23

Left Out: 1104.258+/-0.181 χ^2/NDF:2999.2/23

Right Out: 1112.245+/-0.208 χ^2/NDF: 365022.1/27

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

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

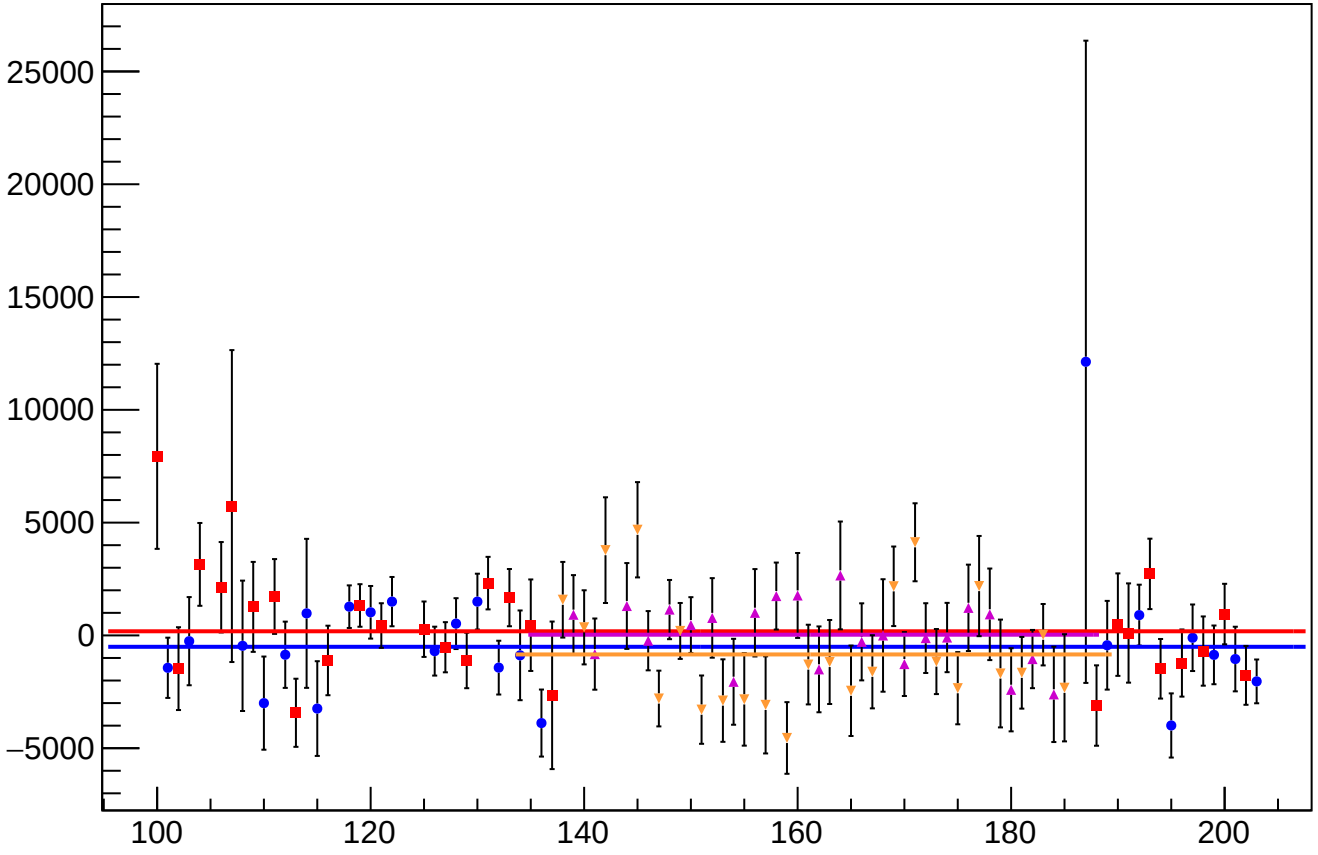
Right: 1106.725+/-0.150 χ^2/NDF: 454042.1/51

In: 1103.486+/-0.139 χ^2/NDF:91491.2/46

Out: 1107.697+/-0.137 χ^2/NDF:368857.7/51

All: 1105.627+/-0.098 χ^2/NDF: 460815.1/98

asym_usl_overload_cor_correction_mean vs Slug, Sign Corrected



Right In: -504.851+/-285.597 χ^2/NDF: 32.5/23

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

Right Out: 183.217+/-287.565 χ^2/NDF: 36.2/26

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

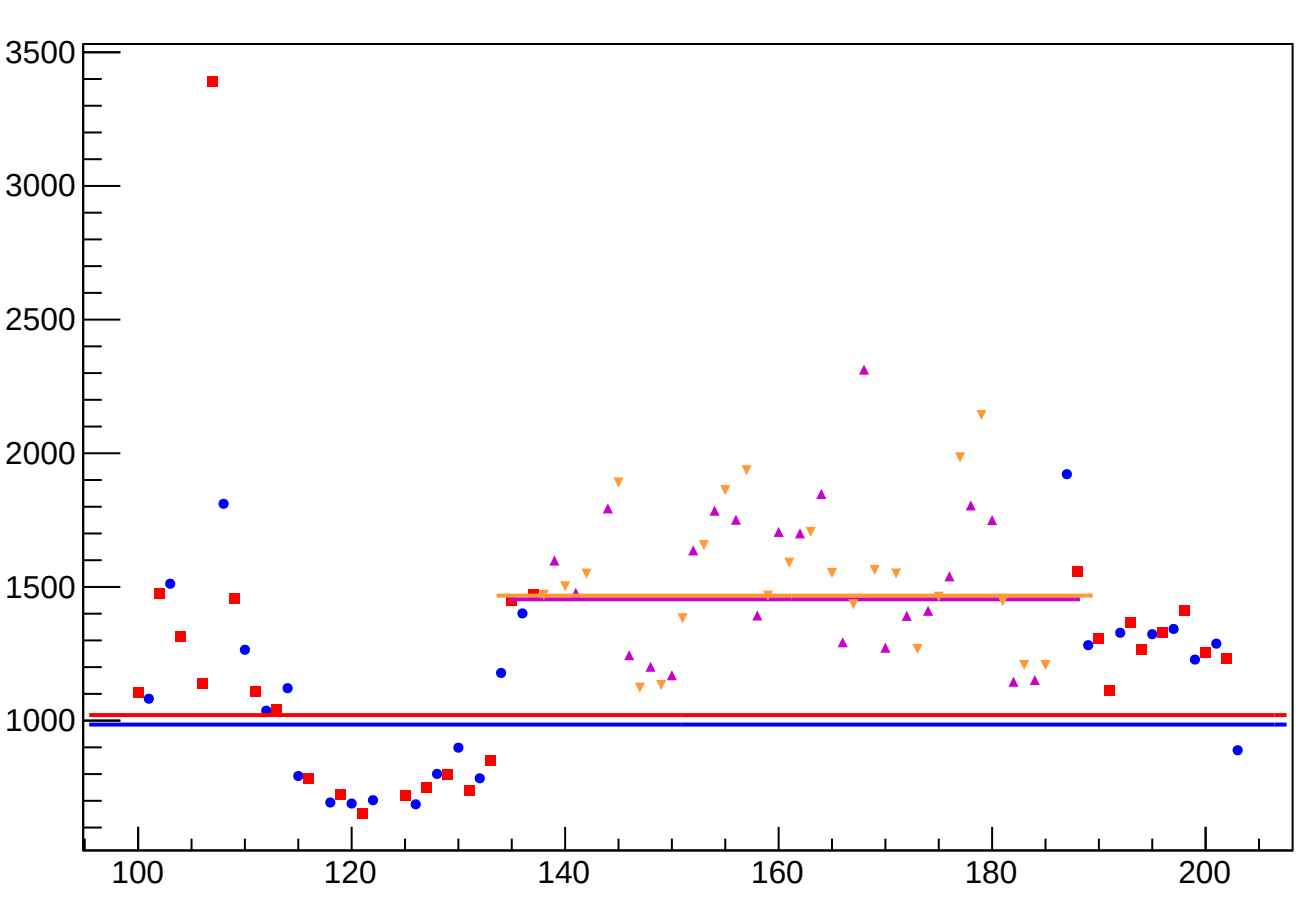
Left: -404.203+/-245.256 χ^2/NDF: 60.3/46

Right: -163.179+/-202.640 χ^2/NDF: 71.6/50

In: -287.666+/-220.296 χ^2/NDF:47.0/46

Out: -233.956+/-221.555 χ^2/NDF:85.4/50

All: -260.964+/-156.216 χ^2/NDF: 132.5/97



Right In: 985.186+/-0.202 χ^2/NDF: 1871839.7/23

Left Out: 1467.697+/-0.246 χ^2/NDF:1041877.5/23

Right Out: 1020.686+/-0.203 χ^2/NDF: 2337635.8/26

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

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

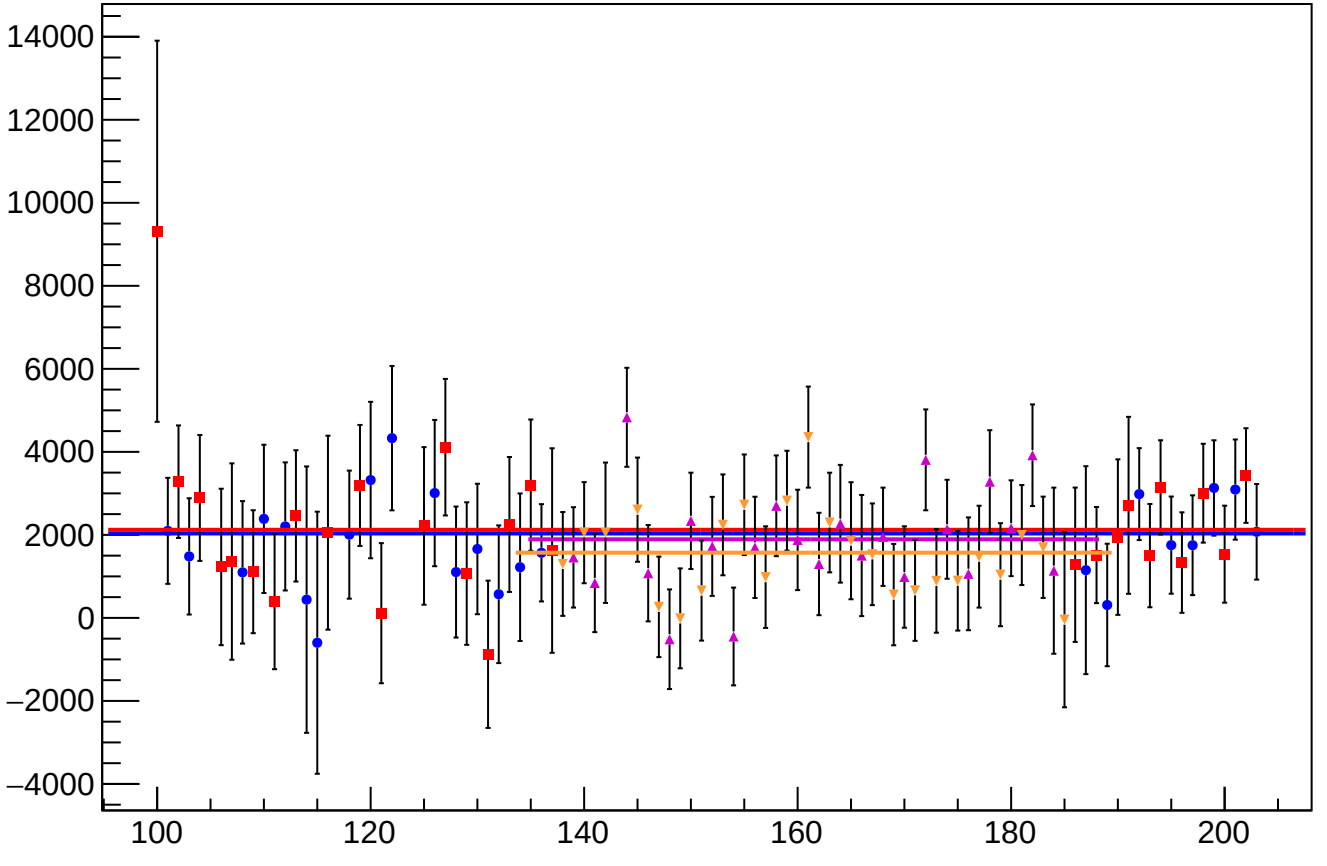
Right: 1002.814+/-0.143 χ^2/NDF: 4224819.9/50

In: 1174.996+/-0.156 χ^2/NDF:5180992.6/46

Out: 1202.353+/-0.157 χ^2/NDF:5343562.0/50

All: 1188.597+/-0.110 χ^2/NDF: 10539888.4/9

eigen_cor_asym_usl_mean vs Slug, Sign Corrected



Right In: 2033.928+/-301.255 χ^2/NDF: 9.5/23

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

Right Out: 2122.770+/-290.844 χ^2/NDF: 16.7/27

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

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

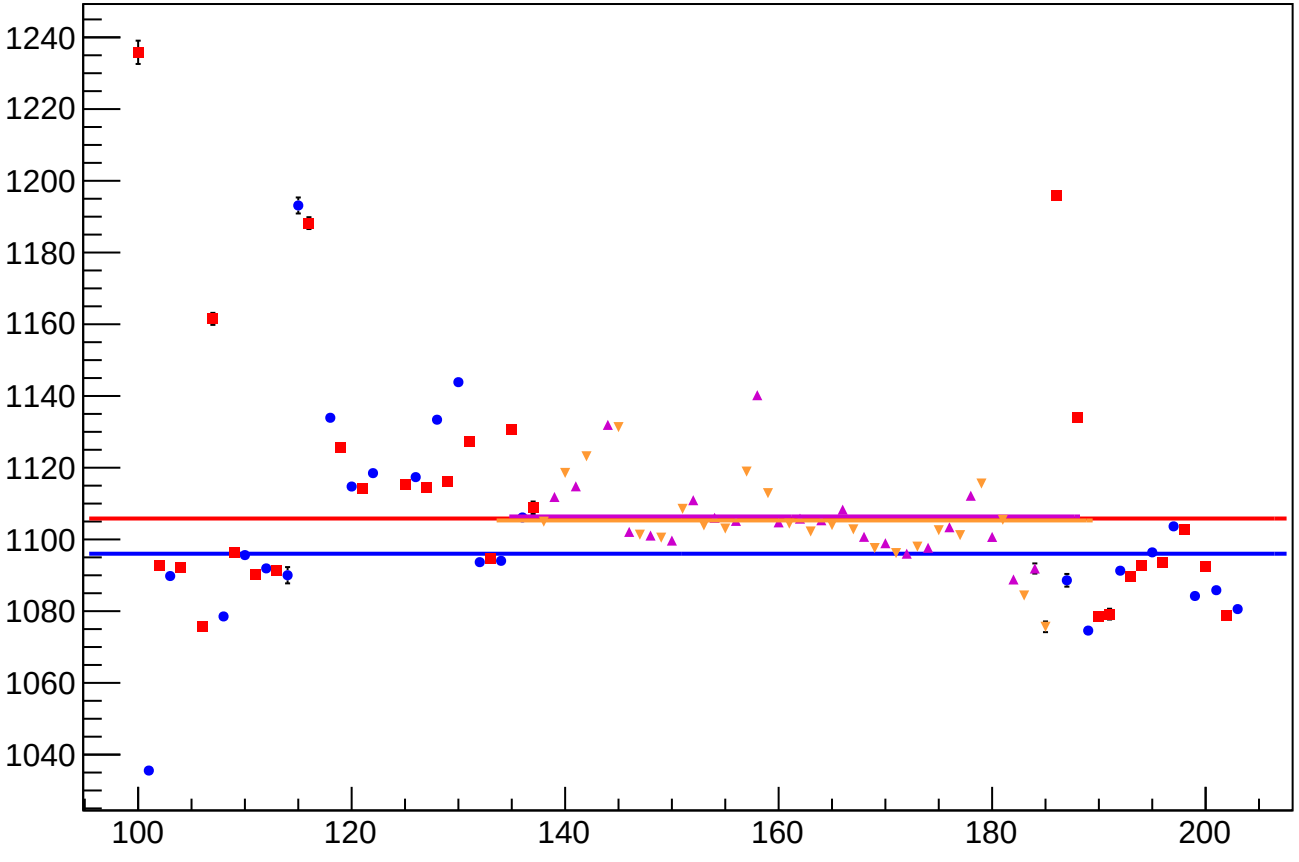
Right: 2079.911+/-209.242 χ^2/NDF: 26.3/51

In: 1952.919+/-196.107 χ^2/NDF:33.8/46

Out: 1812.468+/-192.390 χ^2/NDF:34.1/51

All: 1881.350+/-137.336 χ^2/NDF: 68.1/98

eigen_cor_asym_usl_rms vs Slug, Sign Corrected



Right In: 1096.017+/-0.213 χ^2/NDF: 13074.9/23

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

Right Out: 1105.833+/-0.206 χ^2/NDF: 16819.0/27

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

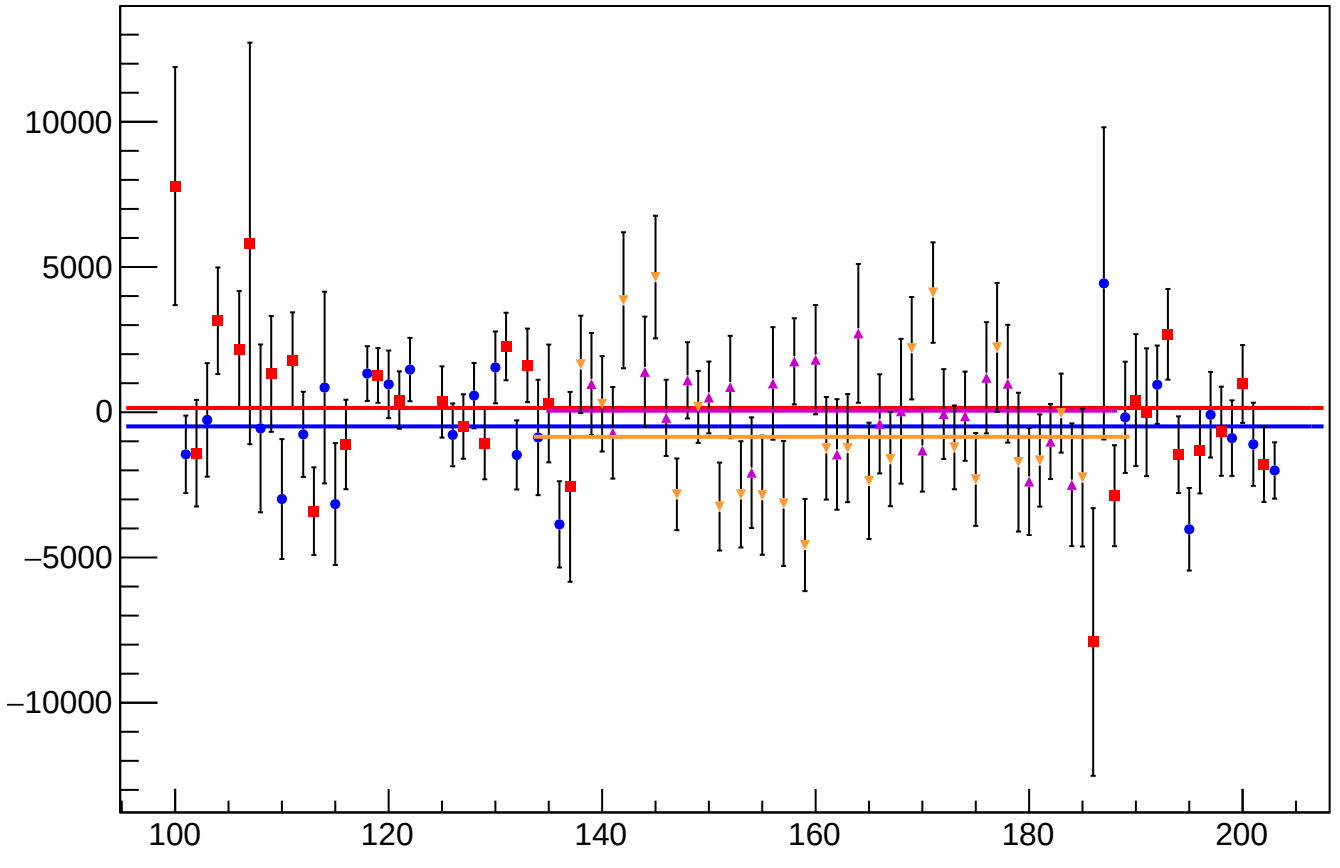
Left: 1105.846+/-0.129 χ^2/NDF: 6956.8/46

Right: 1101.098+/-0.148 χ^2/NDF: 30992.8/51

In: 1102.003+/-0.139 χ^2/NDF:18221.6/46

Out: 1105.530+/-0.136 χ^2/NDF:19984.6/51

All: 1103.800+/-0.097 χ^2/NDF: 38535.8/98



Right In: -486.910+/-284.736 χ^2/NDF: 32.9/23

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

Right Out: 147.730+/-286.451 χ^2/NDF: 38.3/27

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

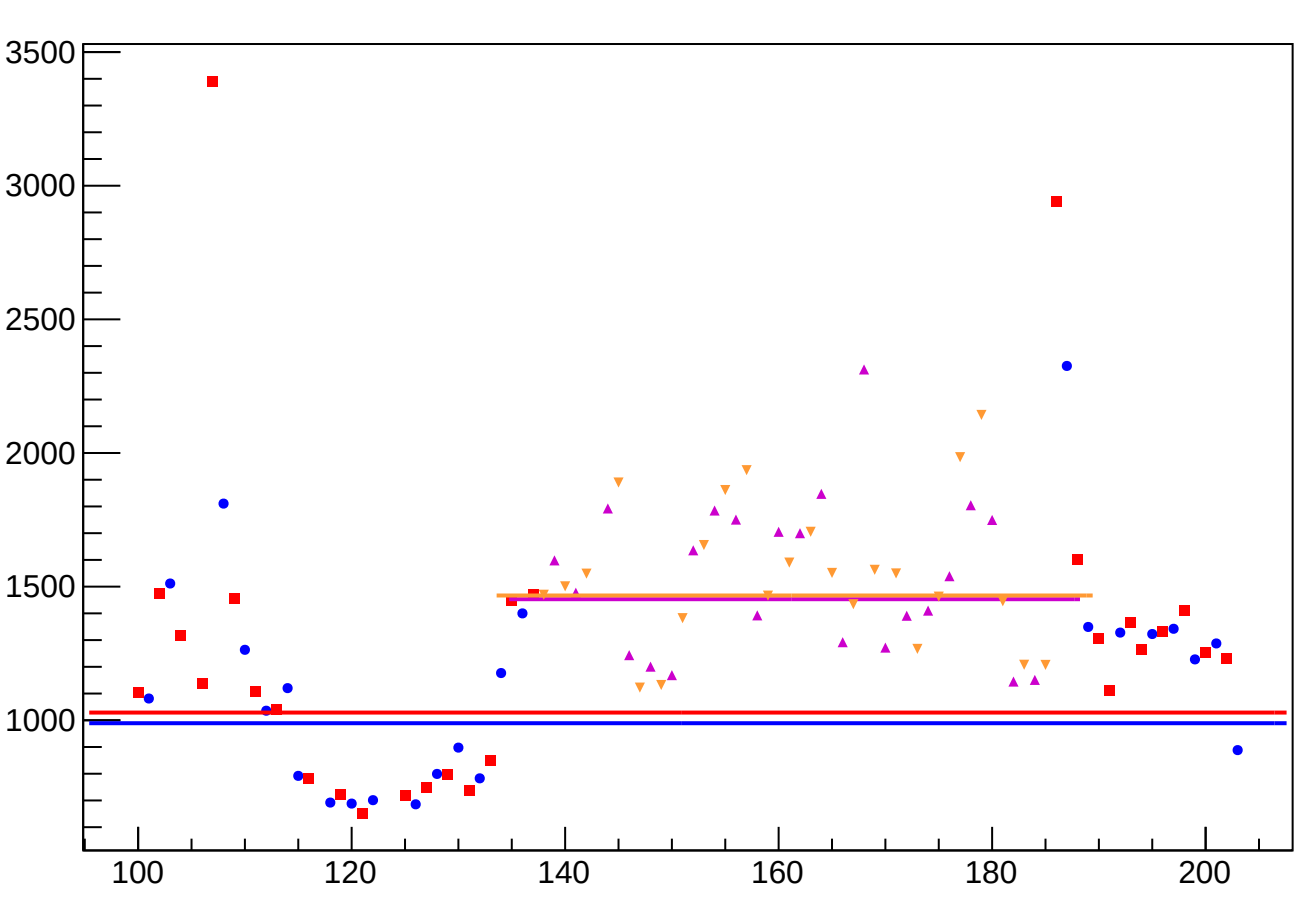
Left: -393.356+/-245.120 χ^2/NDF: 60.6/46

Right: -171.496+/-201.942 χ^2/NDF: 73.7/51

In: -268.335+/-219.850 χ^2/NDF:47.4/46

Out: -253.984+/-220.995 χ^2/NDF:87.4/51

All: -261.196+/-155.861 χ^2/NDF: 134.7/98



Right In: 989.009+/-0.201 χ^2/NDF: 2022451.8/23

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

Right Out: 1028.834+/-0.203 χ^2/NDF: 2736573.9/27

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

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

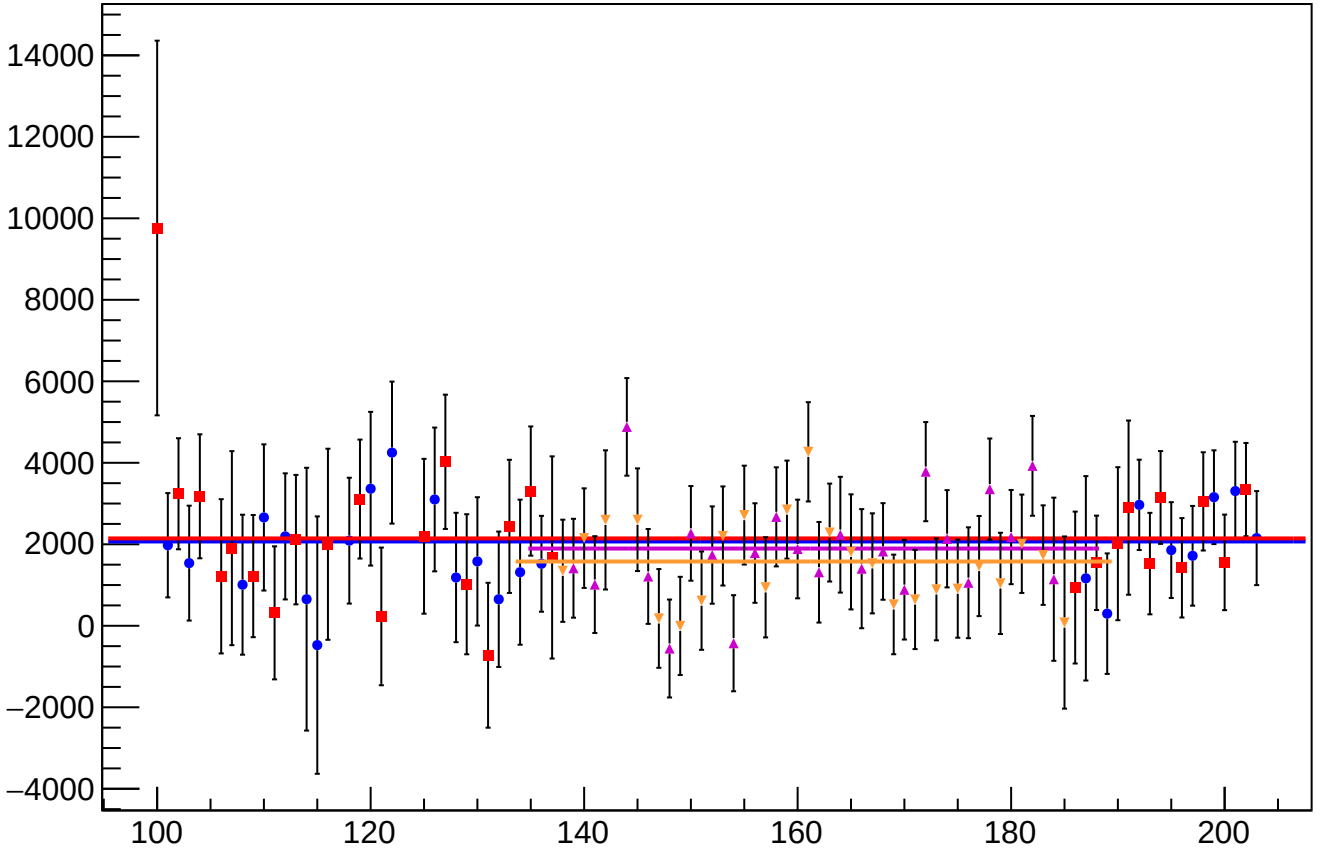
Right: 1008.802+/-0.143 χ^2/NDF: 4778470.7/51

In: 1176.375+/-0.155 χ^2/NDF:5296544.5/46

Out: 1206.140+/-0.156 χ^2/NDF:5672835.3/51

All: 1191.180+/-0.110 χ^2/NDF: 10987615.1/9

dit_asym_usl_mean vs Slug, Sign Corrected



Right In: 2069.755+/-302.347 χ^2/NDF: 9.7/23

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

Right Out: 2144.163+/-292.012 χ^2/NDF: 16.5/27

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

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

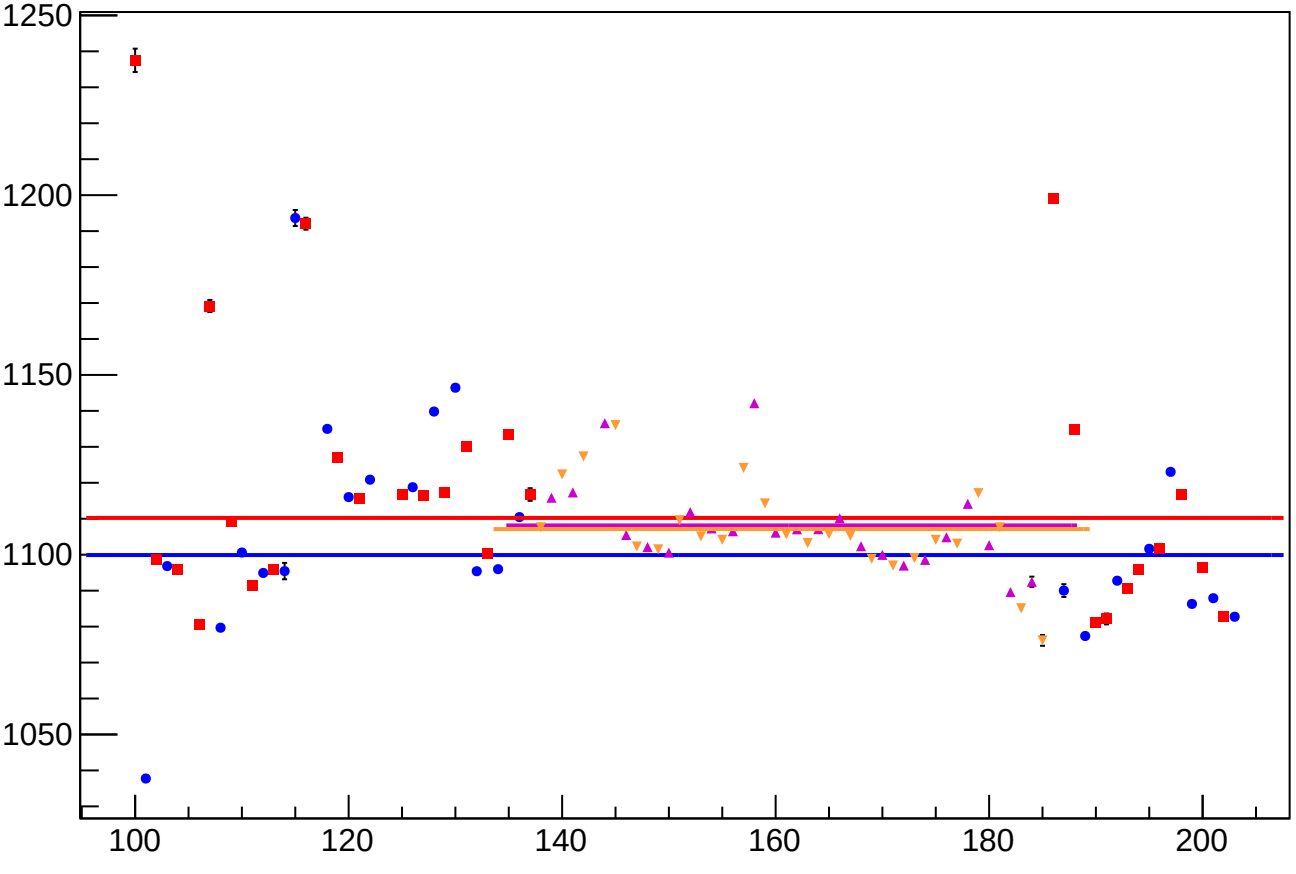
Right: 2108.252+/-210.042 χ^2/NDF: 26.2/51

In: 1969.197+/-196.588 χ^2/NDF:34.0/46

Out: 1824.788+/-192.925 χ^2/NDF:34.2/51

All: 1895.635+/-137.695 χ^2/NDF: 68.4/98

dit_asym_usl_rms vs Slug, Sign Corrected



Right In: 1099.904+/-0.214 χ^2/NDF: 13898.6/23

Left Out: 1107.127+/-0.182 χ^2/NDF:3783.7/23

Right Out: 1110.228+/-0.206 χ^2/NDF: 16227.8/27

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

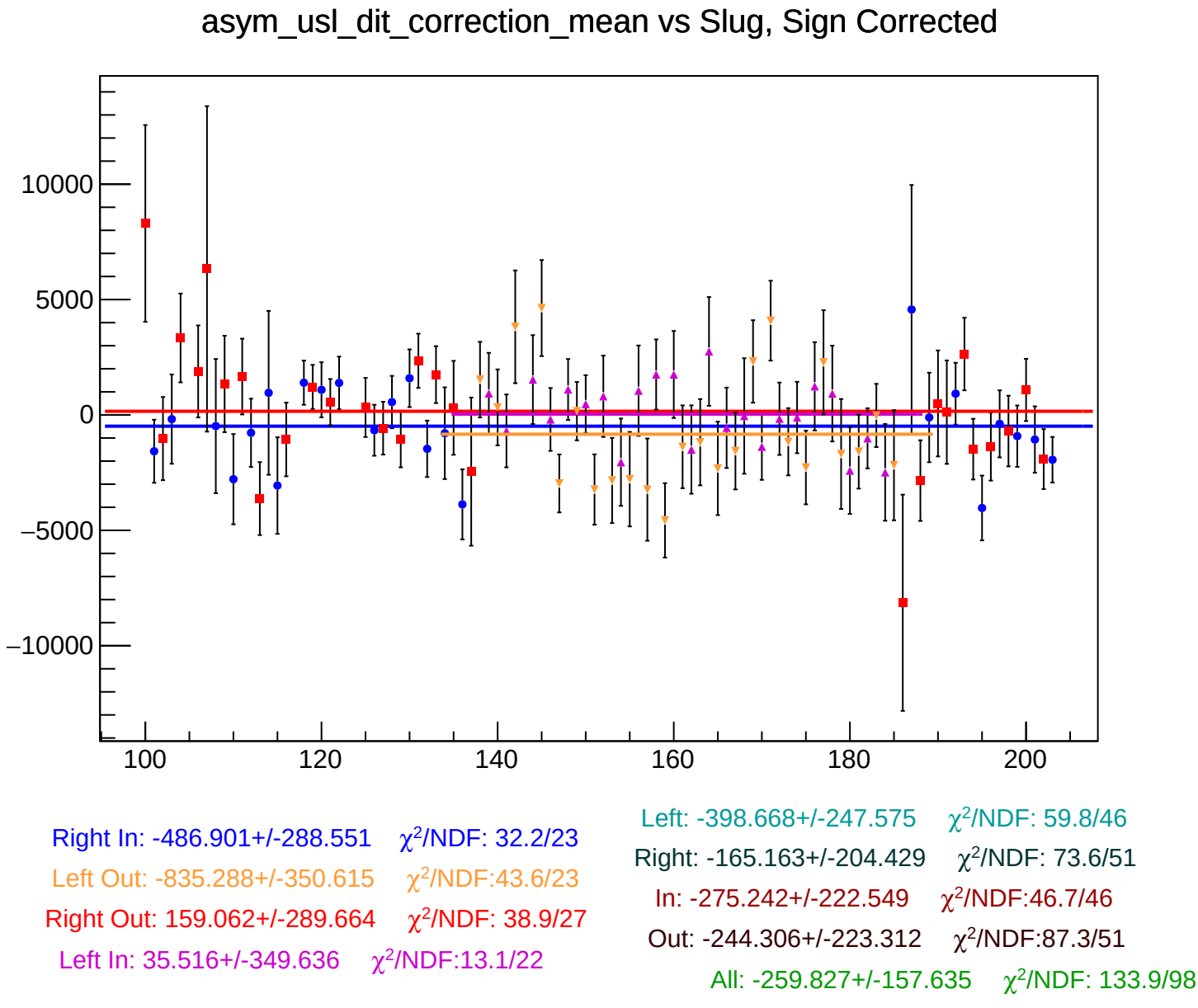
Left: 1107.633+/-0.129 χ^2/NDF: 7989.9/46

Right: 1105.245+/-0.149 χ^2/NDF: 31333.0/51

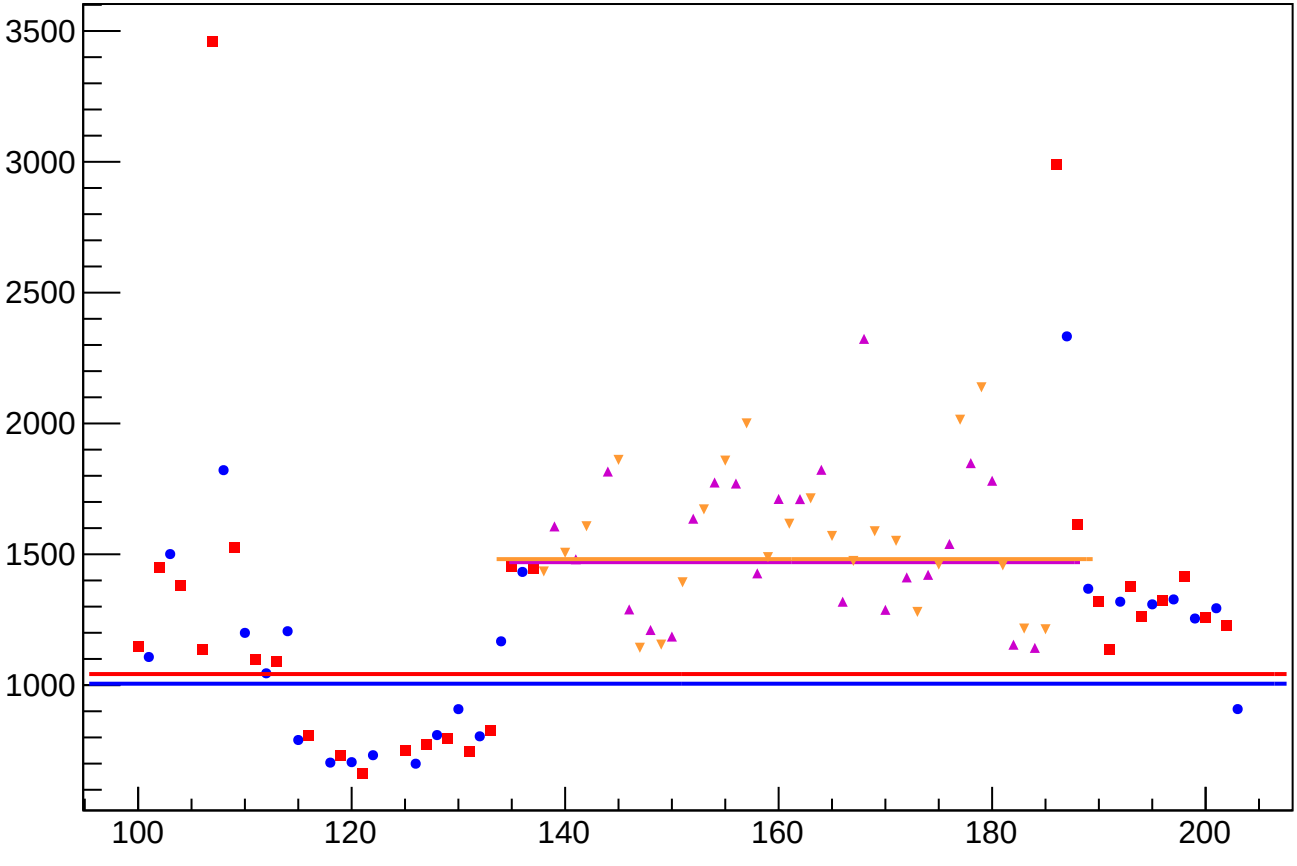
In: 1104.661+/-0.139 χ^2/NDF:18946.9/46

Out: 1108.480+/-0.136 χ^2/NDF:20138.7/51

All: 1106.607+/-0.097 χ^2/NDF: 39470.1/98


asym_usl_dit_correction_mean vs Slug, Sign Corrected
10000
5000
0
−5000
−10000
100
120
140
160
180
200
Right In: -486.901+/-288.551 χ²/NDF: 32.2/23
Left Out: -835.288+/-350.615 χ²/NDF:43.6/23
Right Out: 159.062+/-289.664 χ²/NDF: 38.9/27
Left In: 35.516+/-349.636 χ²/NDF:13.1/22
Left: -398.668+/-247.575 χ²/NDF: 59.8/46
Right: -165.163+/-204.429 χ²/NDF: 73.6/51
In: -275.242+/-222.549 χ²/NDF:46.7/46
Out: -244.306+/-223.312 χ²/NDF:87.3/51
All: -259.827+/-157.635 χ²/NDF: 133.9/98

asym_usl_dit_correction_rms vs Slug, Sign Corrected



Right In: 1005.366+/-0.204 χ^2/NDF: 1901504.6/23

Left Out: 1481.543+/-0.248 χ^2/NDF:1017463.8/23

Right Out: 1042.271+/-0.205 χ^2/NDF: 2675116.4/27

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

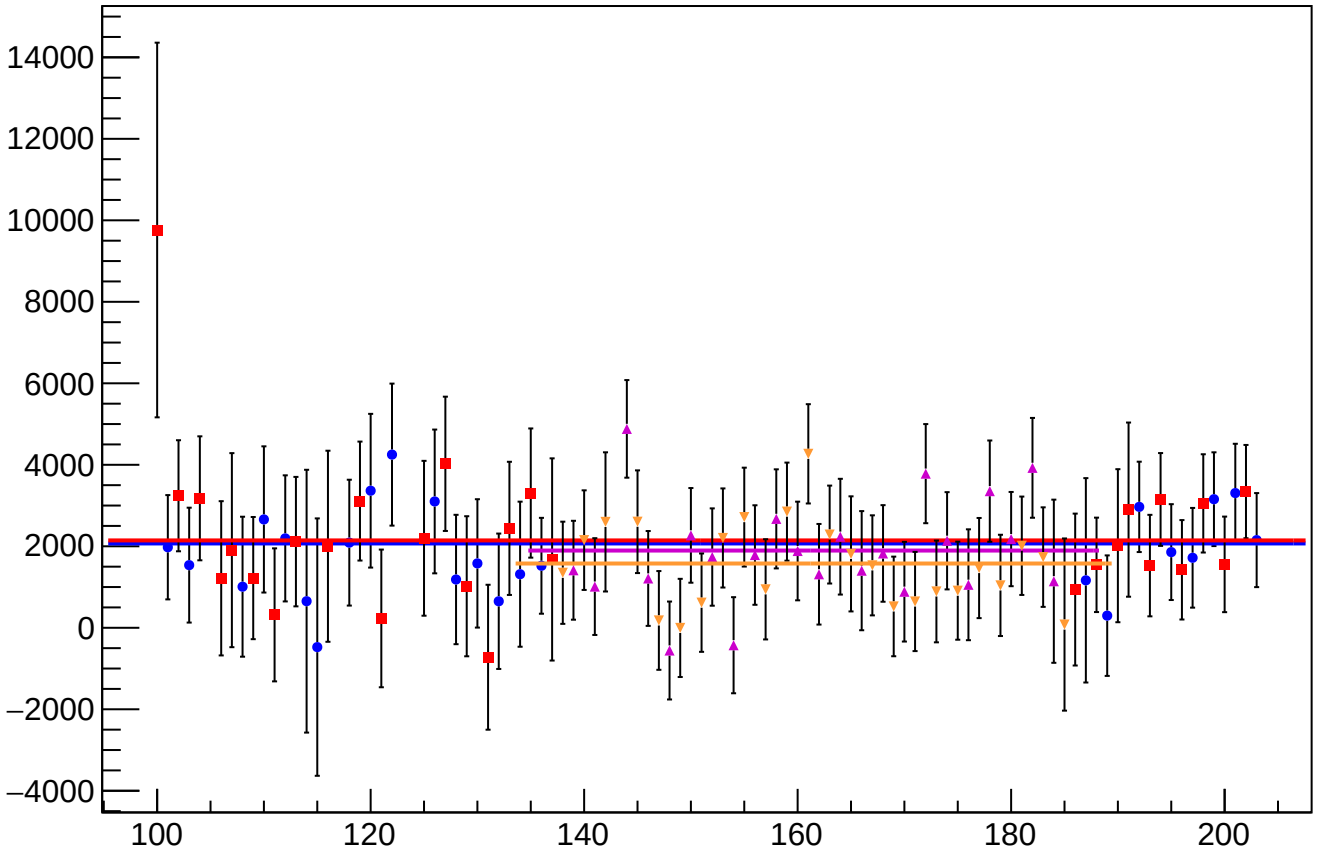
Left: 1475.709+/-0.175 χ^2/NDF: 2113624.9/46

Right: 1023.747+/-0.145 χ^2/NDF: 4592915.2/51

In: 1193.576+/-0.157 χ^2/NDF:5096715.7/46

Out: 1220.466+/-0.158 χ^2/NDF:5558411.1/51

All: 1206.975+/-0.111 χ^2/NDF: 10669676.4/9



Right In: 2069.755+/-302.347 χ^2/NDF: 9.7/23

Left Out: 1577.399+/-257.003 χ^2/NDF:15.5/23

Right Out: 2144.161+/-292.012 χ^2/NDF: 16.5/27

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

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

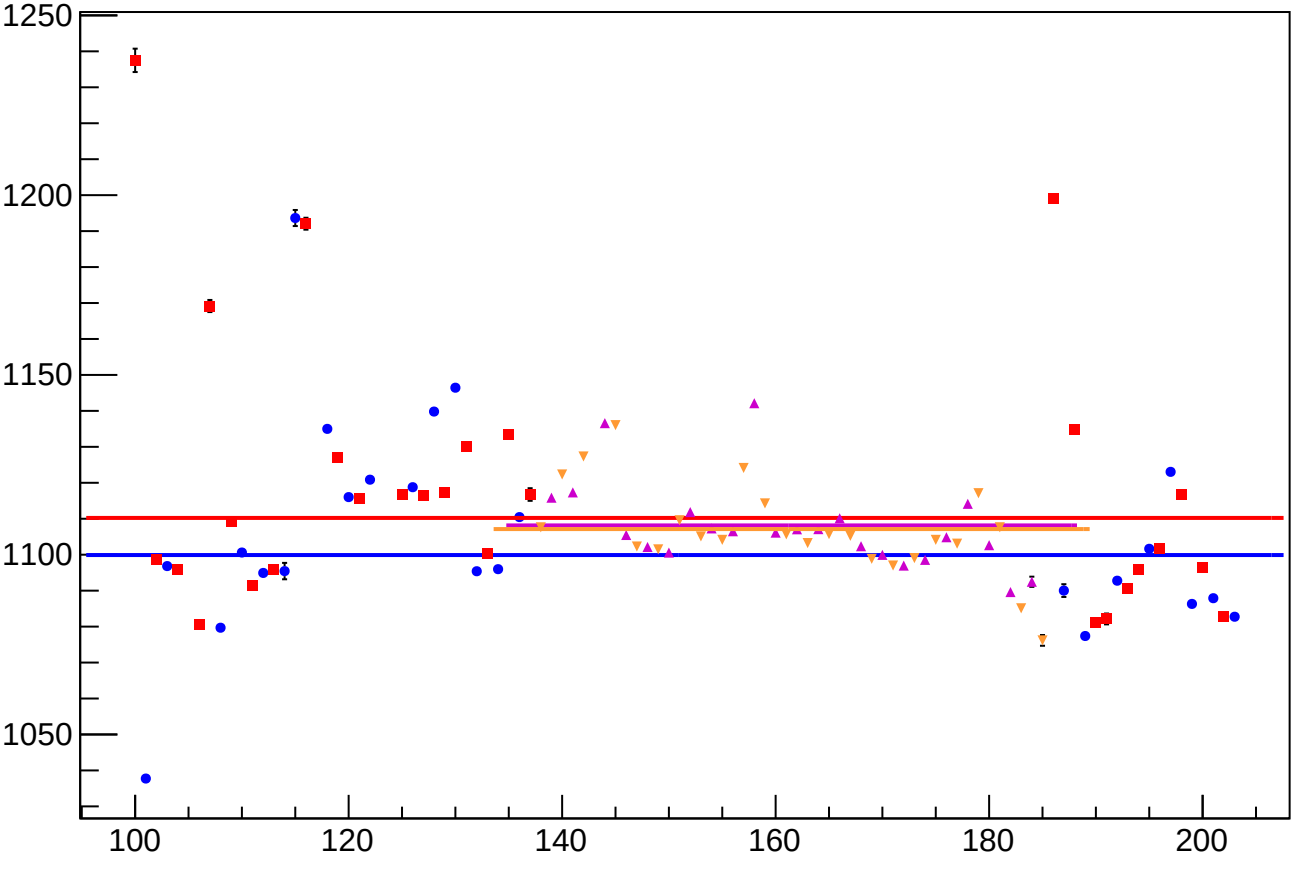
Right: 2108.251+/-210.042 χ^2/NDF: 26.2/51

In: 1969.197+/-196.588 χ^2/NDF:34.0/46

Out: 1824.785+/-192.925 χ^2/NDF:34.2/51

All: 1895.634+/-137.695 χ^2/NDF: 68.4/98

eigen_dit_asym_usl_rms vs Slug, Sign Corrected



Right In: 1099.904+/-0.214 χ^2/NDF: 13898.6/23

Left Out: 1107.127+/-0.182 χ^2/NDF:3783.7/23

Right Out: 1110.228+/-0.206 χ^2/NDF: 16227.7/27

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

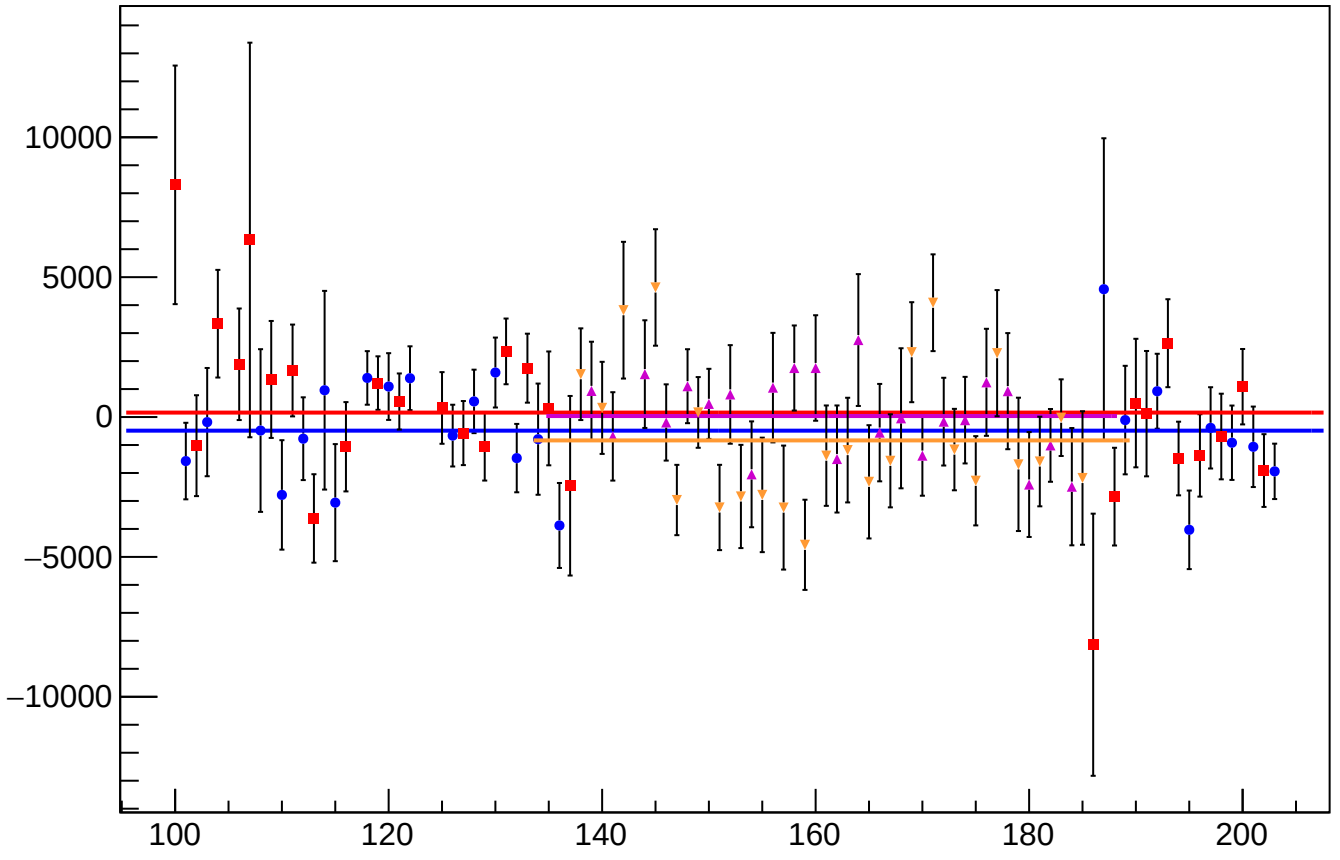
Left: 1107.633+/-0.129 χ^2/NDF: 7989.9/46

Right: 1105.245+/-0.149 χ^2/NDF: 31332.9/51

In: 1104.661+/-0.139 χ^2/NDF:18946.9/46

Out: 1108.480+/-0.136 χ^2/NDF:20138.6/51

All: 1106.607+/-0.097 χ^2/NDF: 39470.1/98



Right In: -486.899+/-288.550 χ^2/NDF: 32.2/23

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

Right Out: 159.063+/-289.664 χ^2/NDF: 38.9/27

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

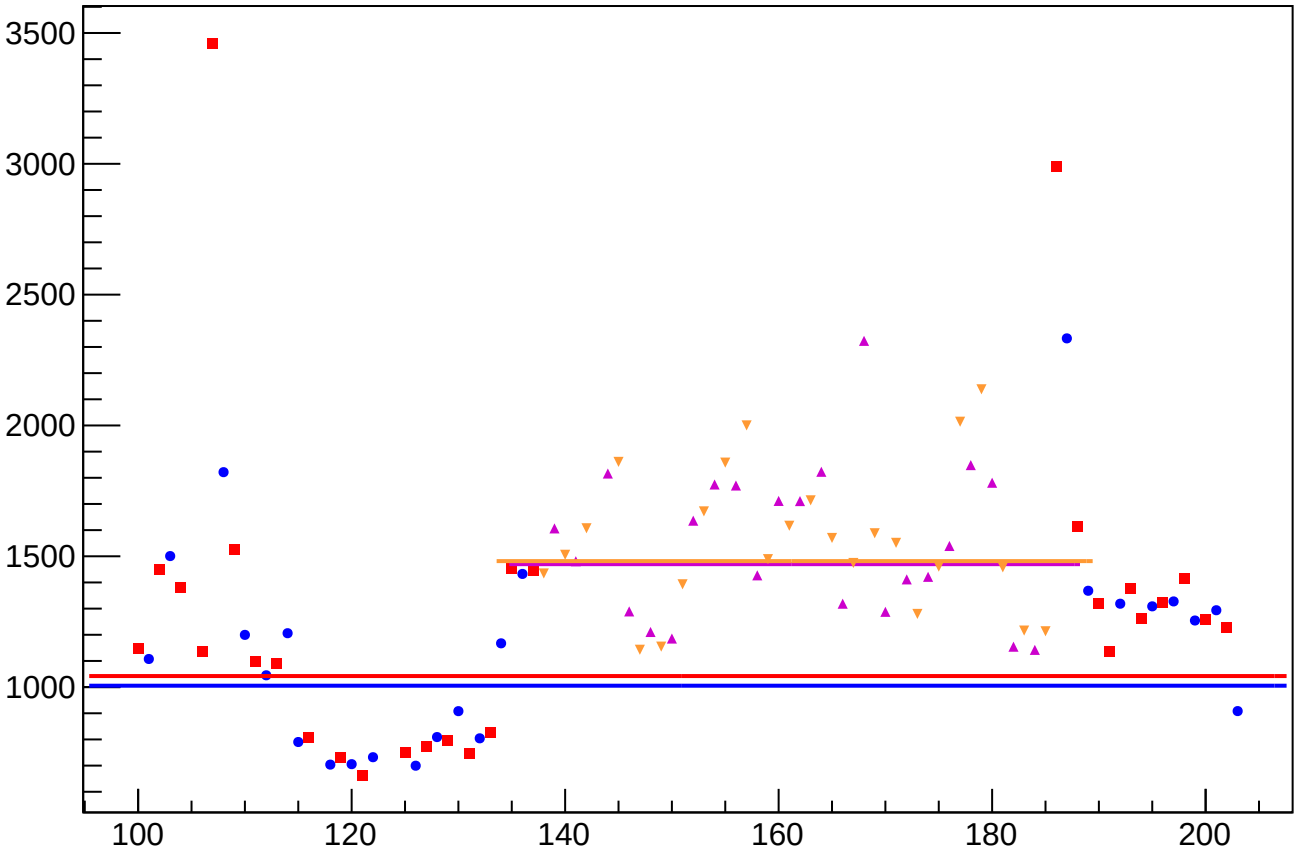
Left: -398.669+/-247.576 χ^2/NDF: 59.8/46

Right: -165.162+/-204.428 χ^2/NDF: 73.6/51

In: -275.242+/-222.549 χ^2/NDF:46.7/46

Out: -244.306+/-223.312 χ^2/NDF:87.3/51

All: -259.827+/-157.635 χ^2/NDF: 133.9/98



Right In: 1005.365+/-0.204 χ^2/NDF: 1901516.0/23

Left Out: 1481.545+/-0.248 χ^2/NDF:1017460.8/23

Right Out: 1042.269+/-0.205 χ^2/NDF: 2675130.8/27

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

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

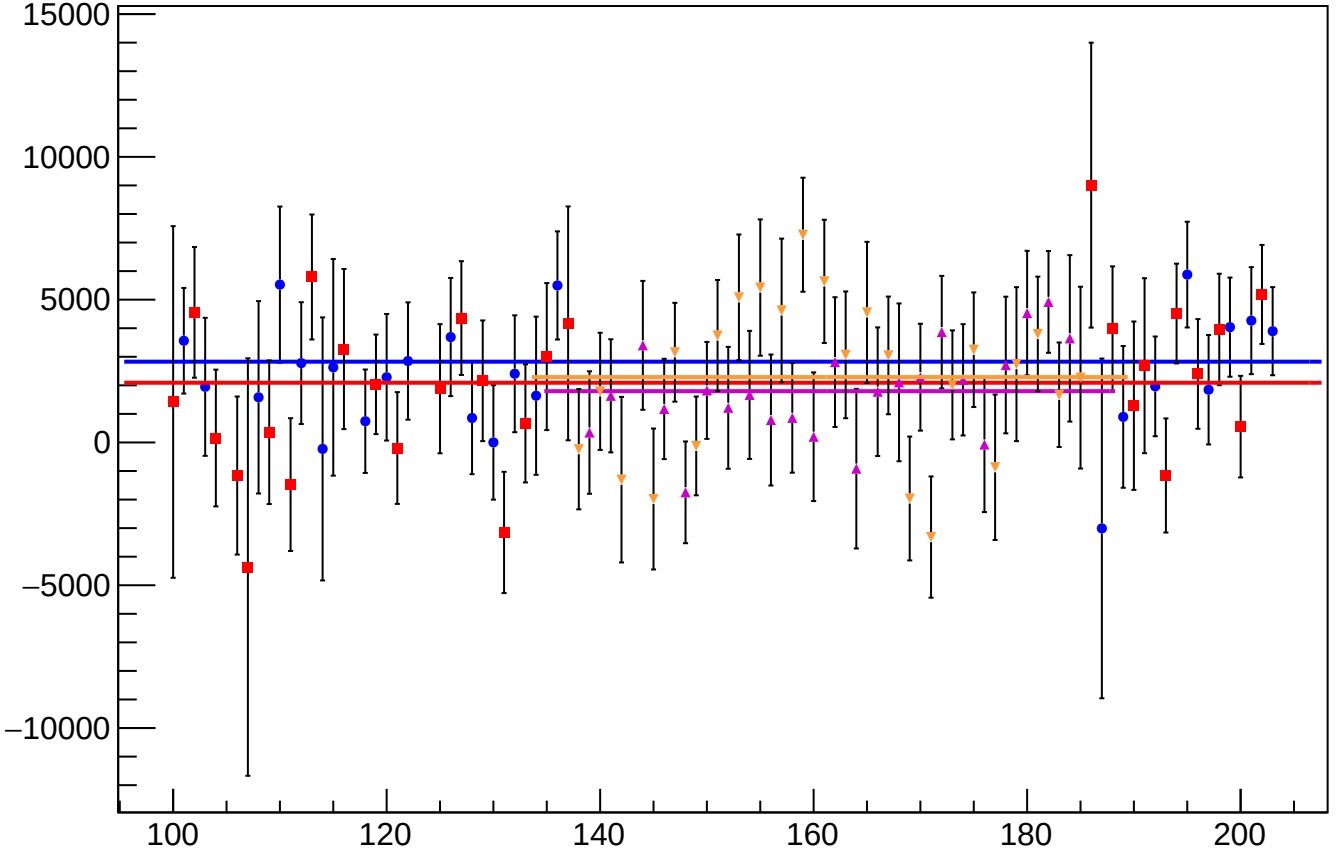
Right: 1023.746+/-0.145 χ^2/NDF: 4592940.8/51

In: 1193.575+/-0.157 χ^2/NDF:5096750.8/46

Out: 1220.465+/-0.158 χ^2/NDF:5558450.8/51

All: 1206.974+/-0.111 χ^2/NDF: 10669751.1/9

asym_usl_mean vs Slug, Sign Corrected



Right In: 2828.477+/-435.320 χ^2/NDF: 15.0/23

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

Right Out: 2091.337+/-431.071 χ^2/NDF: 31.7/27

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

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

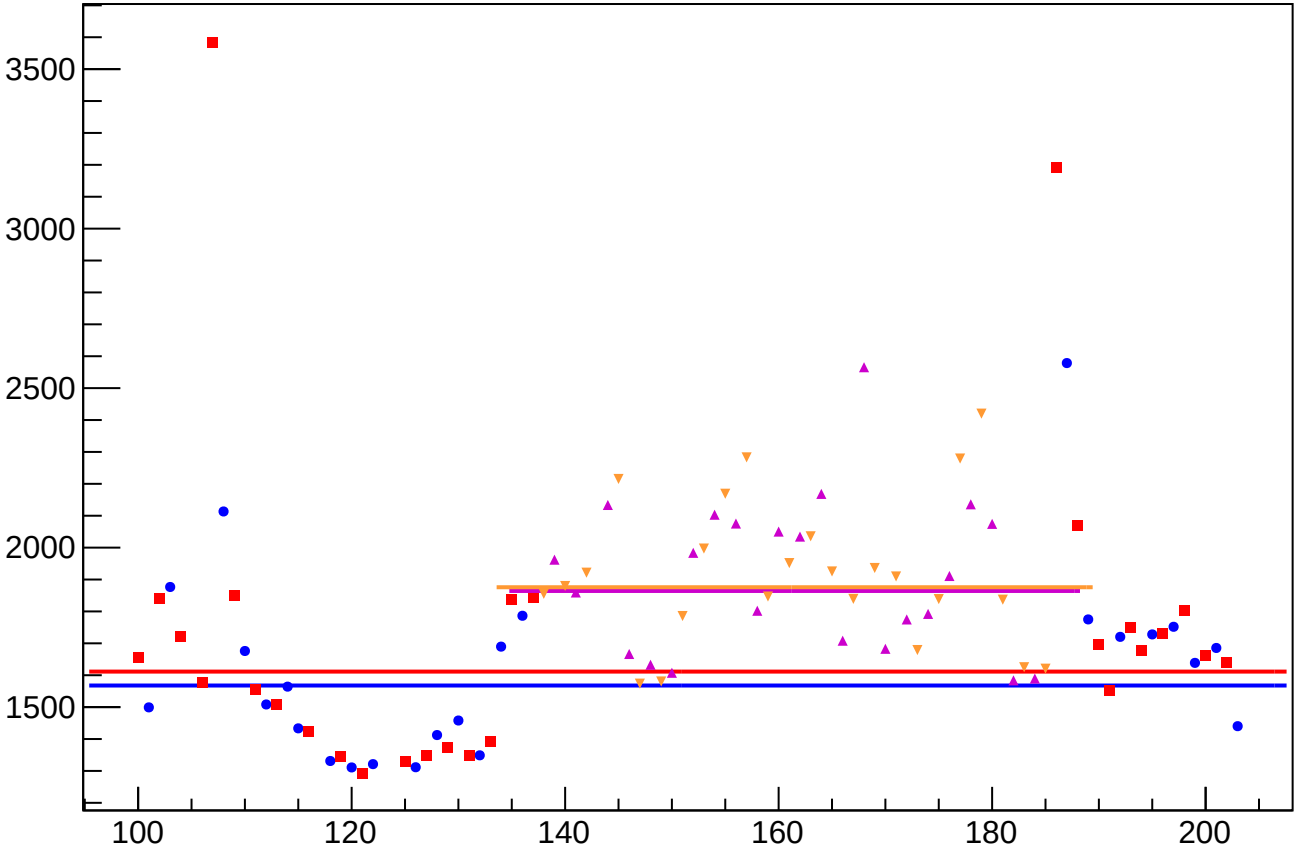
Right: 2456.292+/-306.304 χ^2/NDF: 48.1/51

In: 2316.905+/-309.160 χ^2/NDF:32.0/46

Out: 2188.637+/-307.691 χ^2/NDF:67.8/51

All: 2252.466+/-218.088 χ^2/NDF: 99.9/98

asym_usl_rms vs Slug, Sign Corrected



Right In: 1567.741+/-0.308 χ^2/NDF: 432756.7/23

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

Right Out: 1611.389+/-0.305 χ^2/NDF: 802886.5/27

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

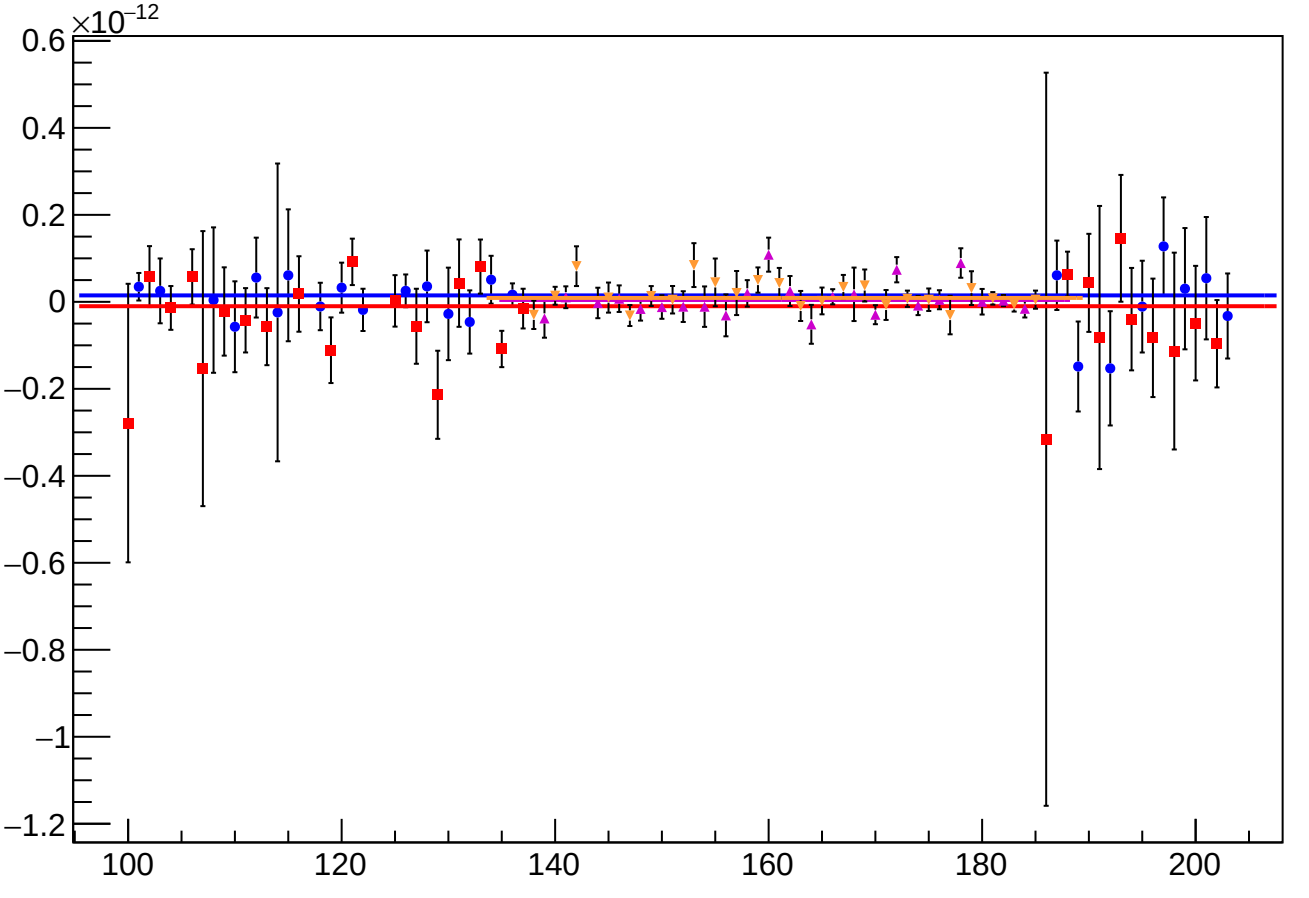
Left: 1869.988+/-0.220 χ^2/NDF: 983860.8/46

Right: 1589.779+/-0.217 χ^2/NDF: 1245795.1/51

In: 1714.656+/-0.219 χ^2/NDF:1402965.4/46

Out: 1741.095+/-0.218 χ^2/NDF:1644593.7/51

All: 1727.938+/-0.154 χ^2/NDF: 3054907.8/98



Right In: 0.000+/-0.000 χ^2/NDF: 9.3/23

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

Right Out: -0.000+/-0.000 χ^2/NDF: 26.4/27

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

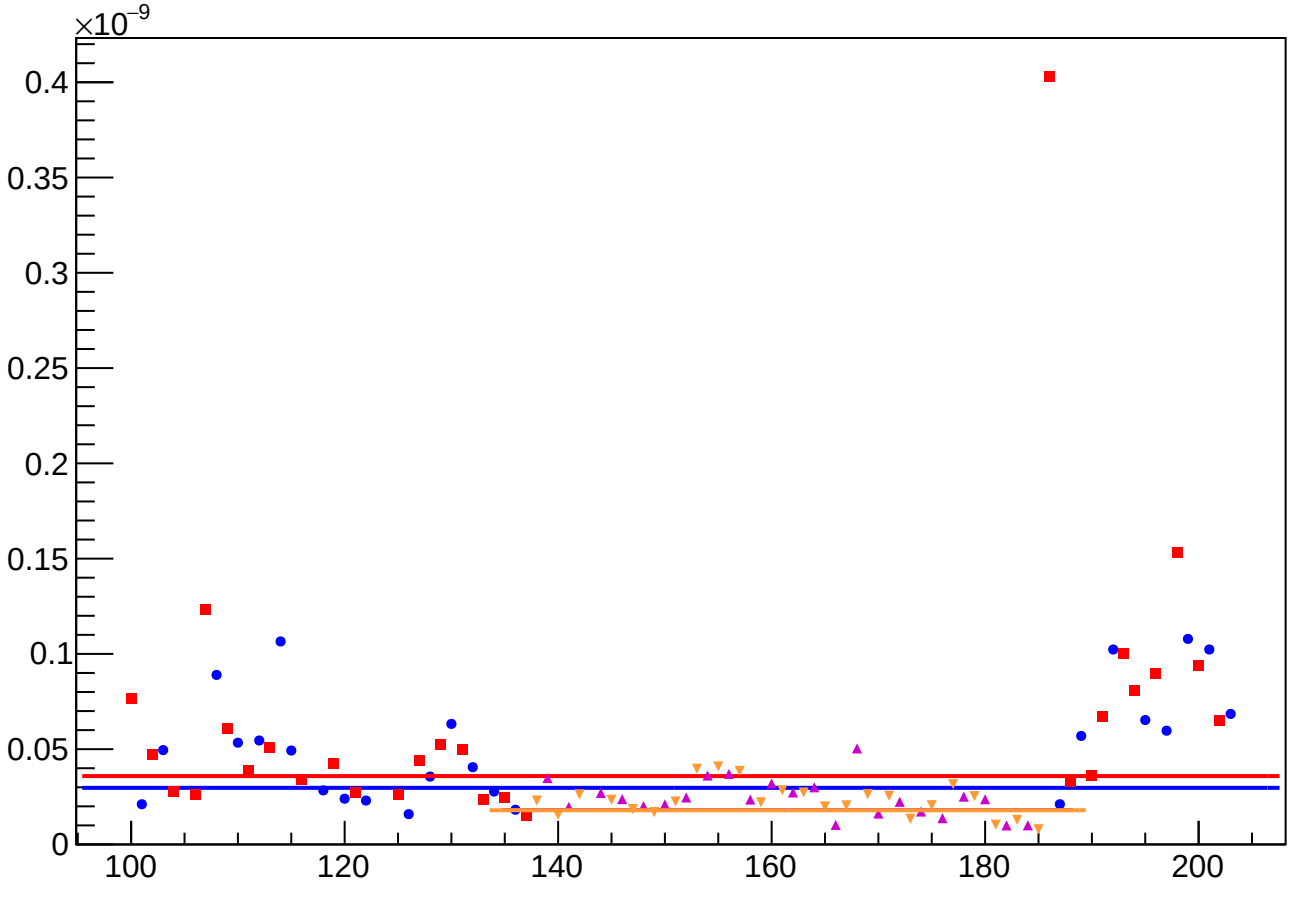
Left: 0.000+/-0.000 χ^2/NDF: 45.1/46

Right: 0.000+/-0.000 χ^2/NDF: 37.3/51

In: 0.000+/-0.000 χ^2/NDF:38.0/46

Out: 0.000+/-0.000 χ^2/NDF:44.4/51

All: 0.000+/-0.000 χ^2/NDF: 82.4/98



Right In: 0.000+/-0.000 χ^2/NDF: 4513964.5/23

Left Out: 0.000+/-0.000 χ^2/NDF:3491055.7/23

Right Out: 0.000+/-0.000 χ^2/NDF: 3879508.9/27

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

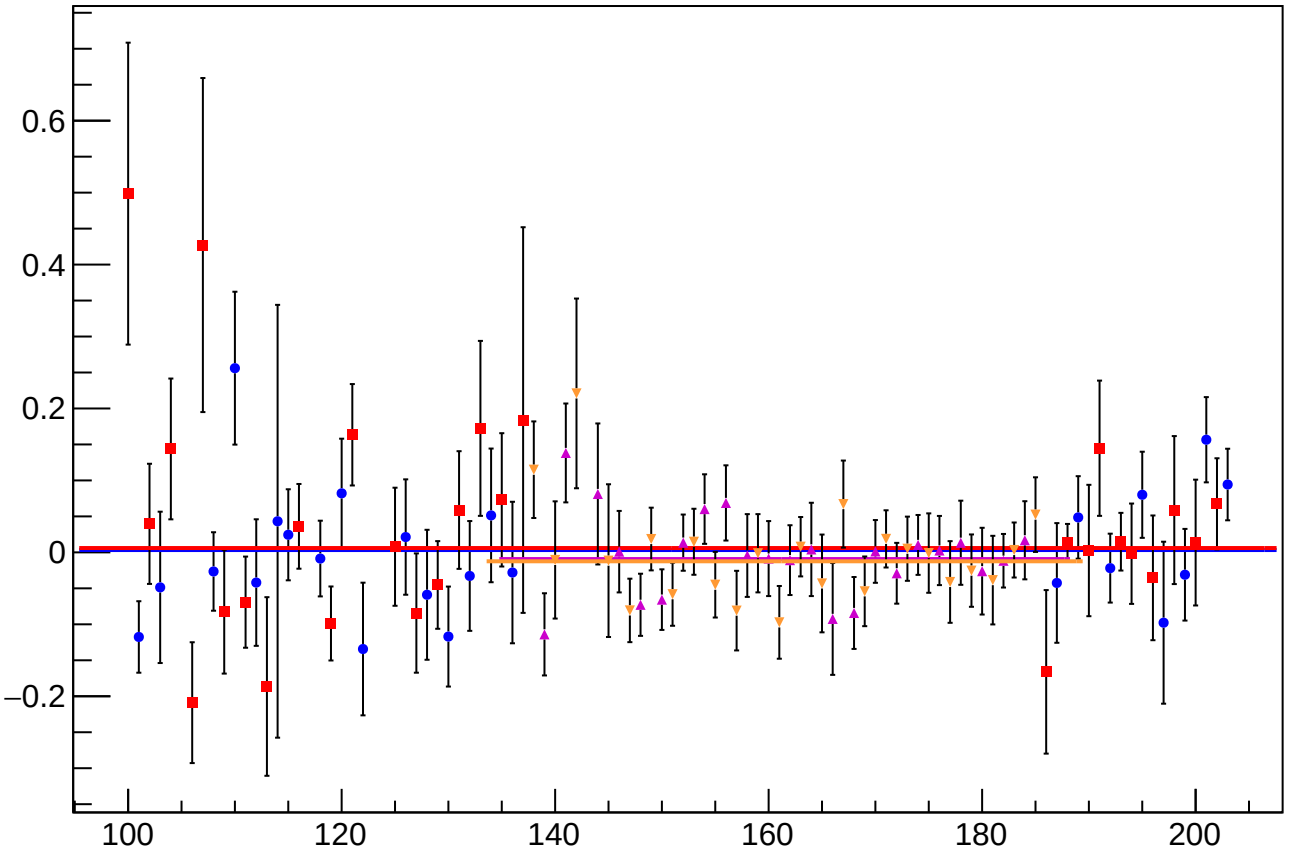
Left: 0.000+/-0.000 χ^2/NDF: 7671624.5/46

Right: 0.000+/-0.000 χ^2/NDF: 8595459.2/51

In: 0.000+/-0.000 χ^2/NDF:10102625.8/46

Out: 0.000+/-0.000 χ^2/NDF:10007231.3/51

All: 0.000+/-0.000 χ^2/NDF: 20112453.1/98



Right In: 0.003+/-0.014 χ^2/NDF: 34.0/23

Left Out: -0.012+/-0.010 χ^2/NDF:21.9/23

Right Out: 0.006+/-0.013 χ^2/NDF: 43.0/27

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

Left: -0.011+/-0.007 χ^2/NDF: 43.9/46

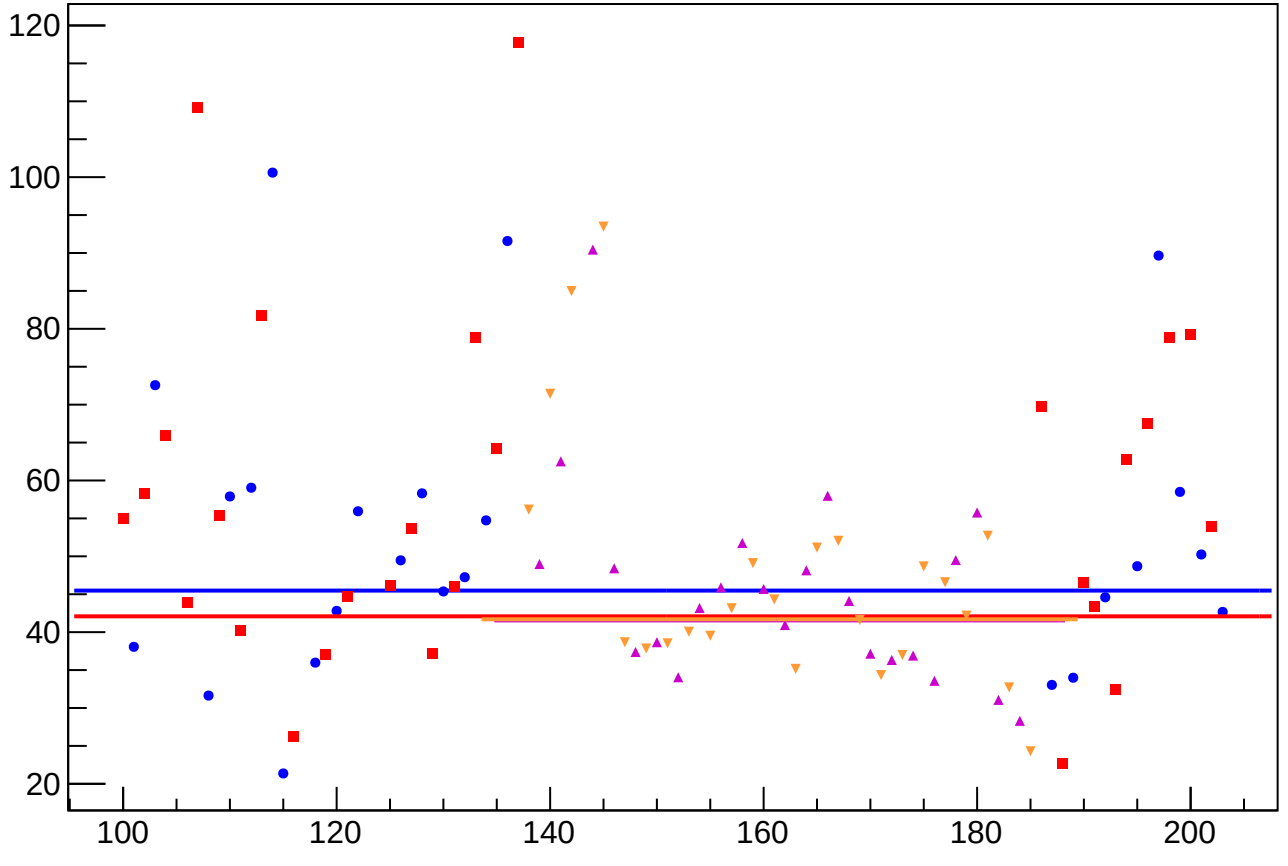
Right: 0.005+/-0.010 χ^2/NDF: 77.0/51

In: -0.005+/-0.008 χ^2/NDF:56.4/46

Out: -0.005+/-0.008 χ^2/NDF:66.1/51

All: -0.005+/-0.006 χ^2/NDF: 122.5/98

asym_usl_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 45.482+/-0.010 χ^2/NDF: 1880112.4/23

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

Right Out: 42.086+/-0.009 χ^2/NDF: 3666358.3/27

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

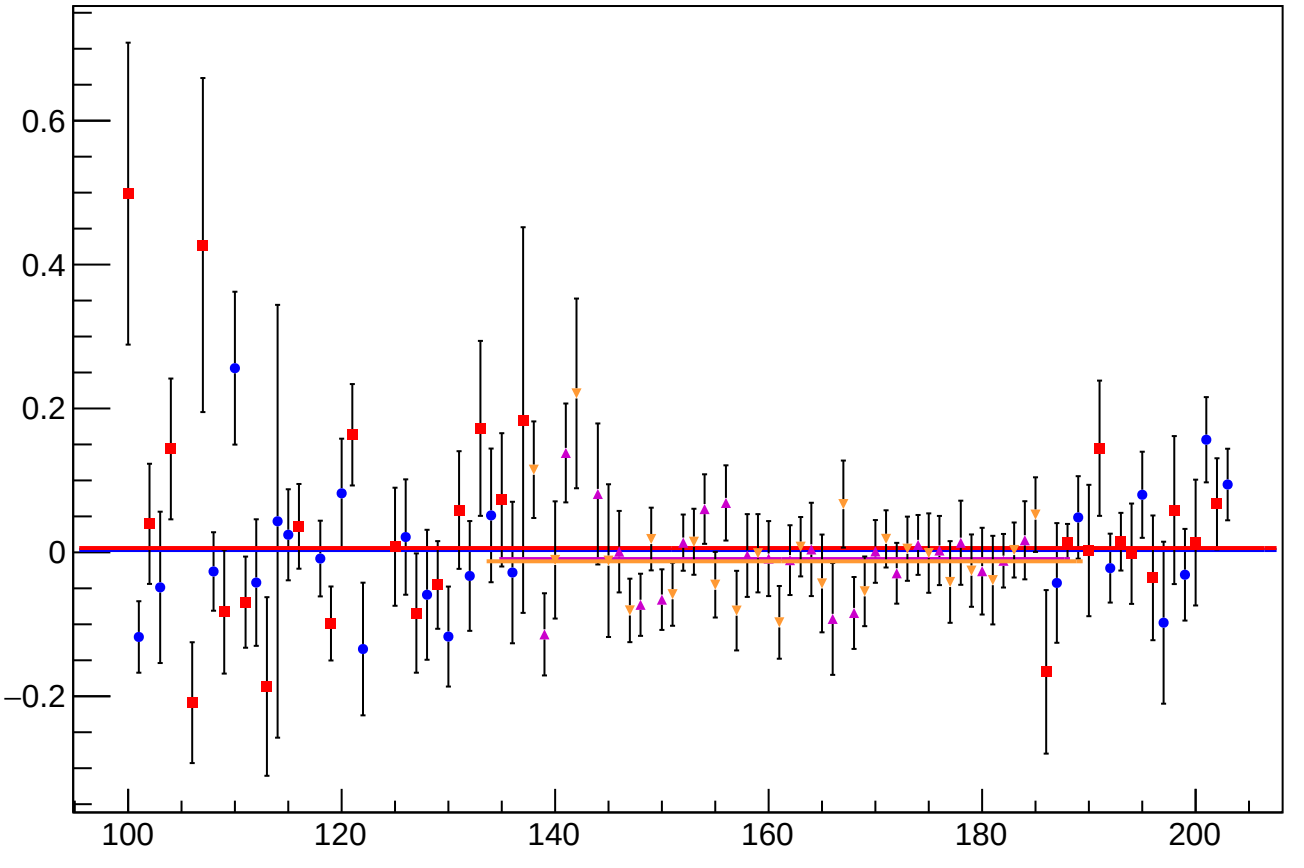
Left: 41.622+/-0.005 χ^2/NDF: 3434958.6/46

Right: 43.654+/-0.007 χ^2/NDF: 5608778.6/51

In: 42.947+/-0.006 χ^2/NDF:3593117.8/46

Out: 41.848+/-0.006 χ^2/NDF:5489239.3/51

All: 42.382+/-0.004 χ^2/NDF: 9099901.8/98



Right In: 0.003+/-0.014 χ^2/NDF: 34.0/23

Left Out: -0.012+/-0.010 χ^2/NDF:21.9/23

Right Out: 0.006+/-0.013 χ^2/NDF: 43.0/27

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

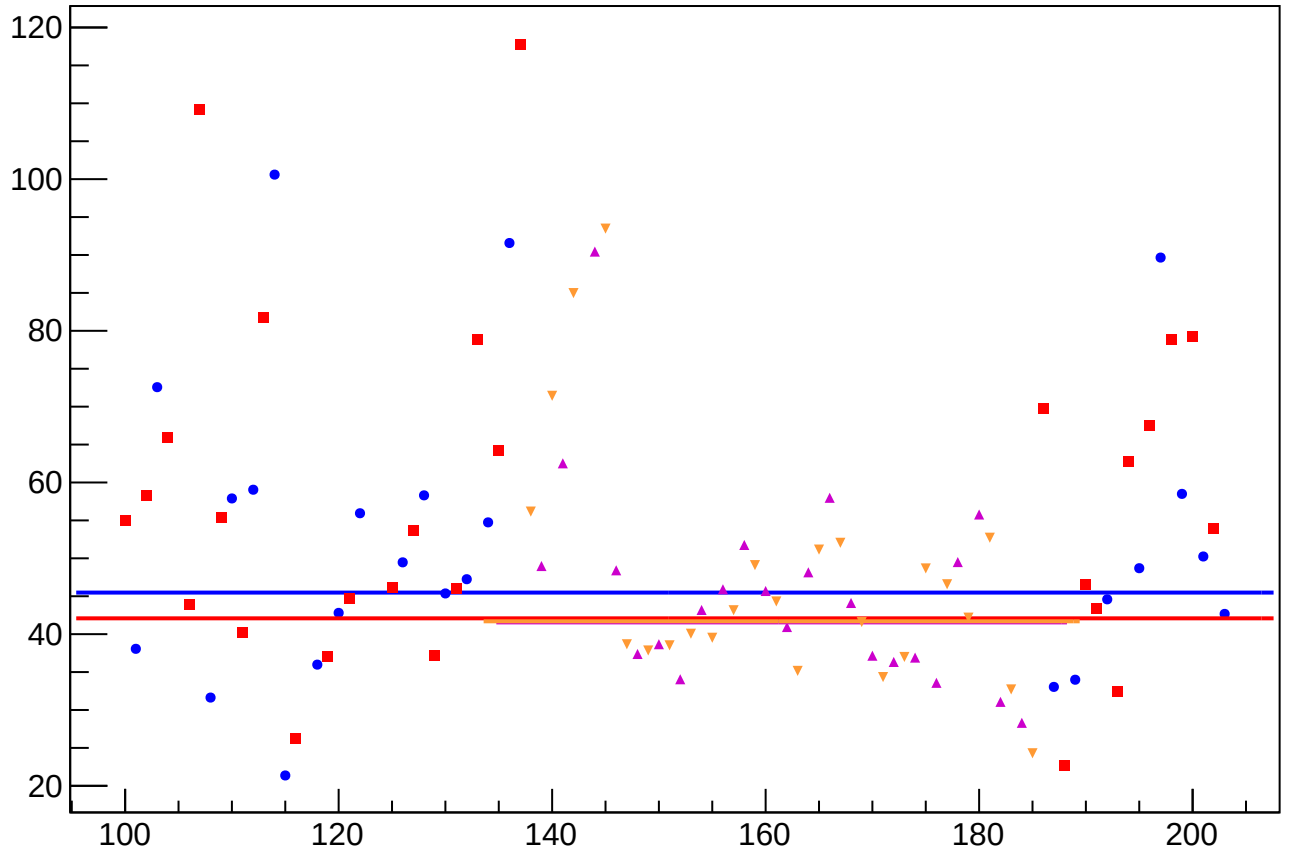
Left: -0.011+/-0.007 χ^2/NDF: 43.9/46

Right: 0.005+/-0.010 χ^2/NDF: 77.0/51

In: -0.005+/-0.008 χ^2/NDF:56.4/46

Out: -0.005+/-0.008 χ^2/NDF:66.1/51

All: -0.005+/-0.006 χ^2/NDF: 122.5/98



Right In: 45.482+/-0.010 χ^2/NDF: 1880112.4/23

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

Right Out: 42.086+/-0.009 χ^2/NDF: 3666358.3/27

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

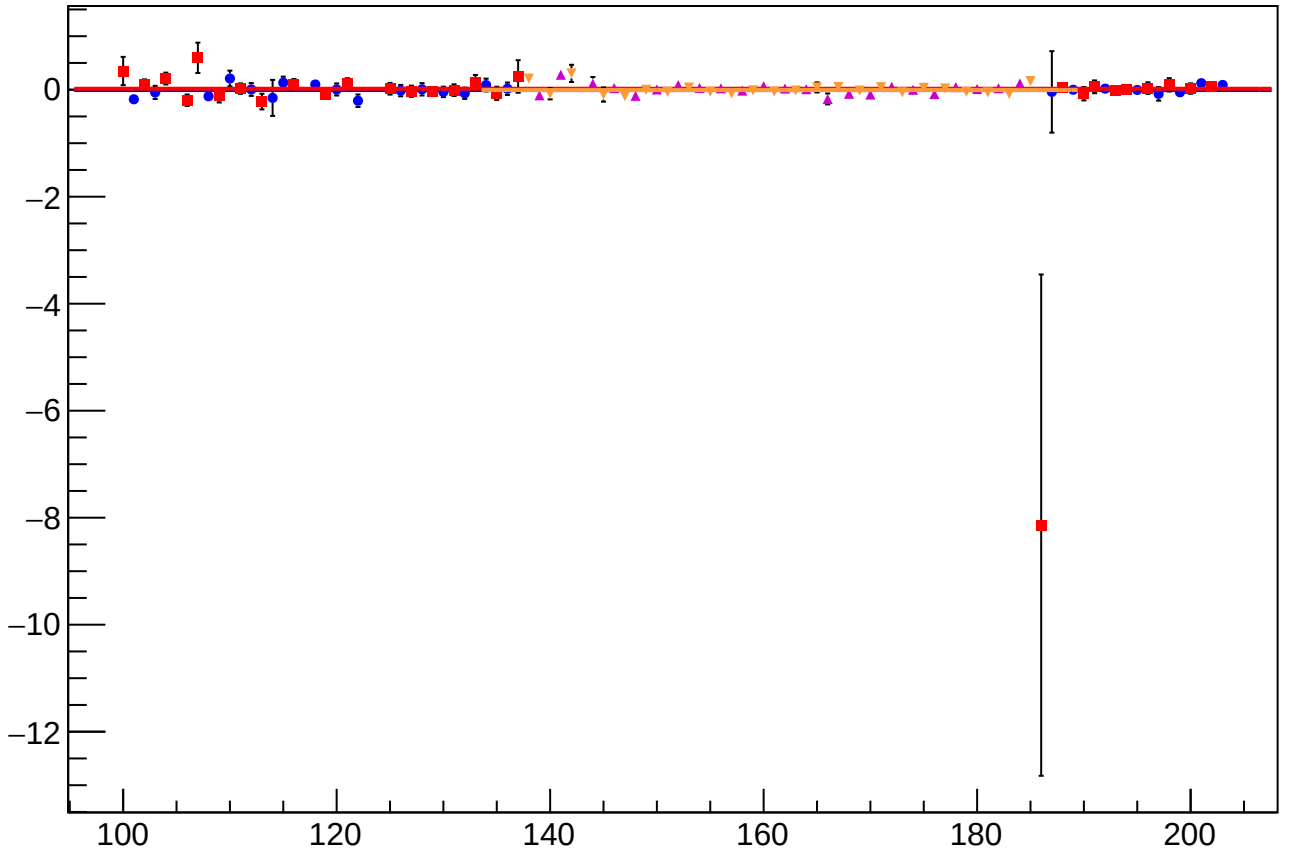
Left: 41.622+/-0.005 χ^2/NDF: 3434958.6/46

Right: 43.654+/-0.007 χ^2/NDF: 5608778.6/51

In: 42.947+/-0.006 χ^2/NDF:3593117.8/46

Out: 41.848+/-0.006 χ^2/NDF:5489239.3/51

All: 42.382+/-0.004 χ^2/NDF: 9099901.8/98



Right In: -0.007+/-0.019 χ^2/NDF: 24.4/23

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

Right Out: 0.018+/-0.019 χ^2/NDF: 27.6/27

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

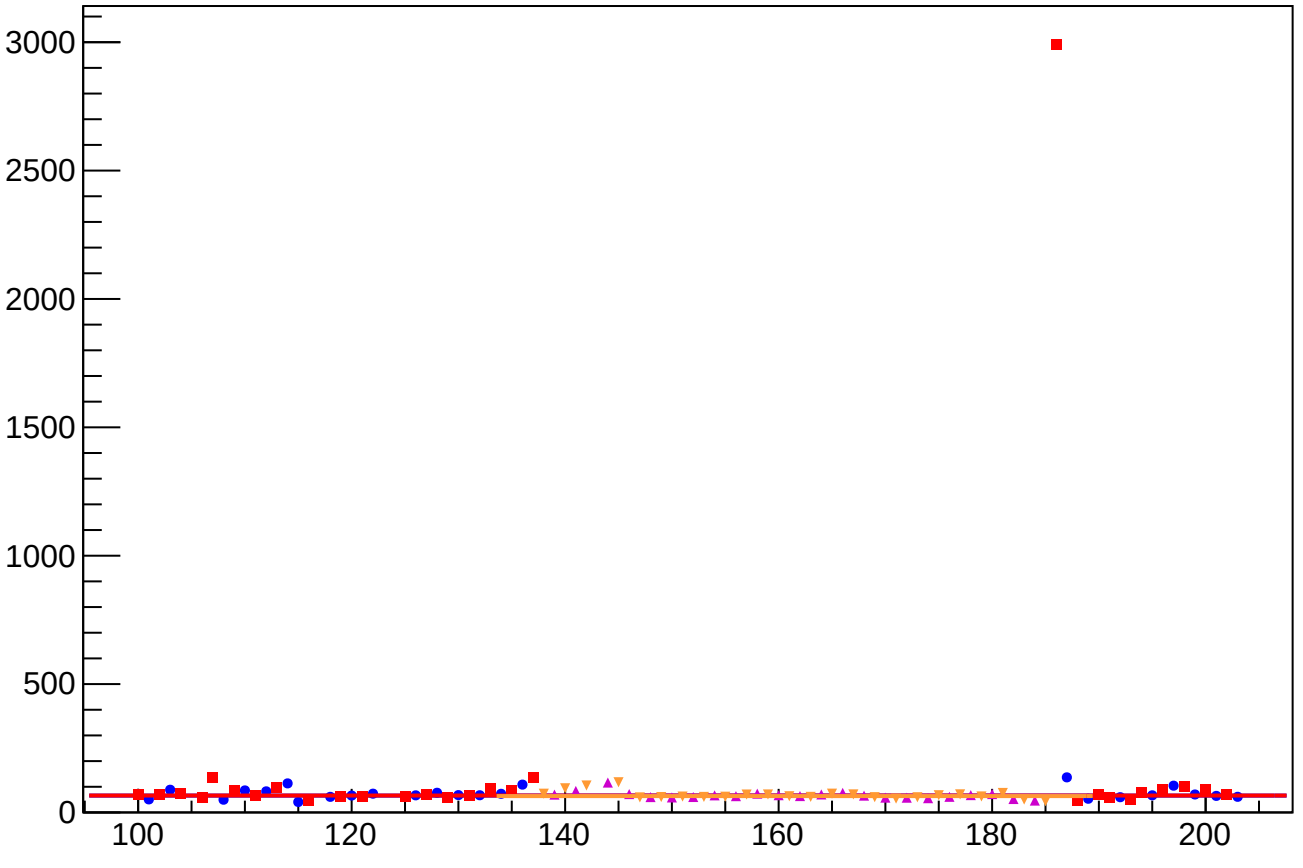
Left: 0.000+/-0.011 χ^2/NDF: 52.2/46

Right: 0.006+/-0.014 χ^2/NDF: 52.8/51

In: 0.002+/-0.012 χ^2/NDF:52.9/46

Out: 0.003+/-0.012 χ^2/NDF:52.2/51

All: 0.003+/-0.009 χ^2/NDF: 105.1/98



Right In: 65.671+/-0.014 χ^2/NDF: 1051437.9/23

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

Right Out: 65.935+/-0.013 χ^2/NDF: 2277494.5/27

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

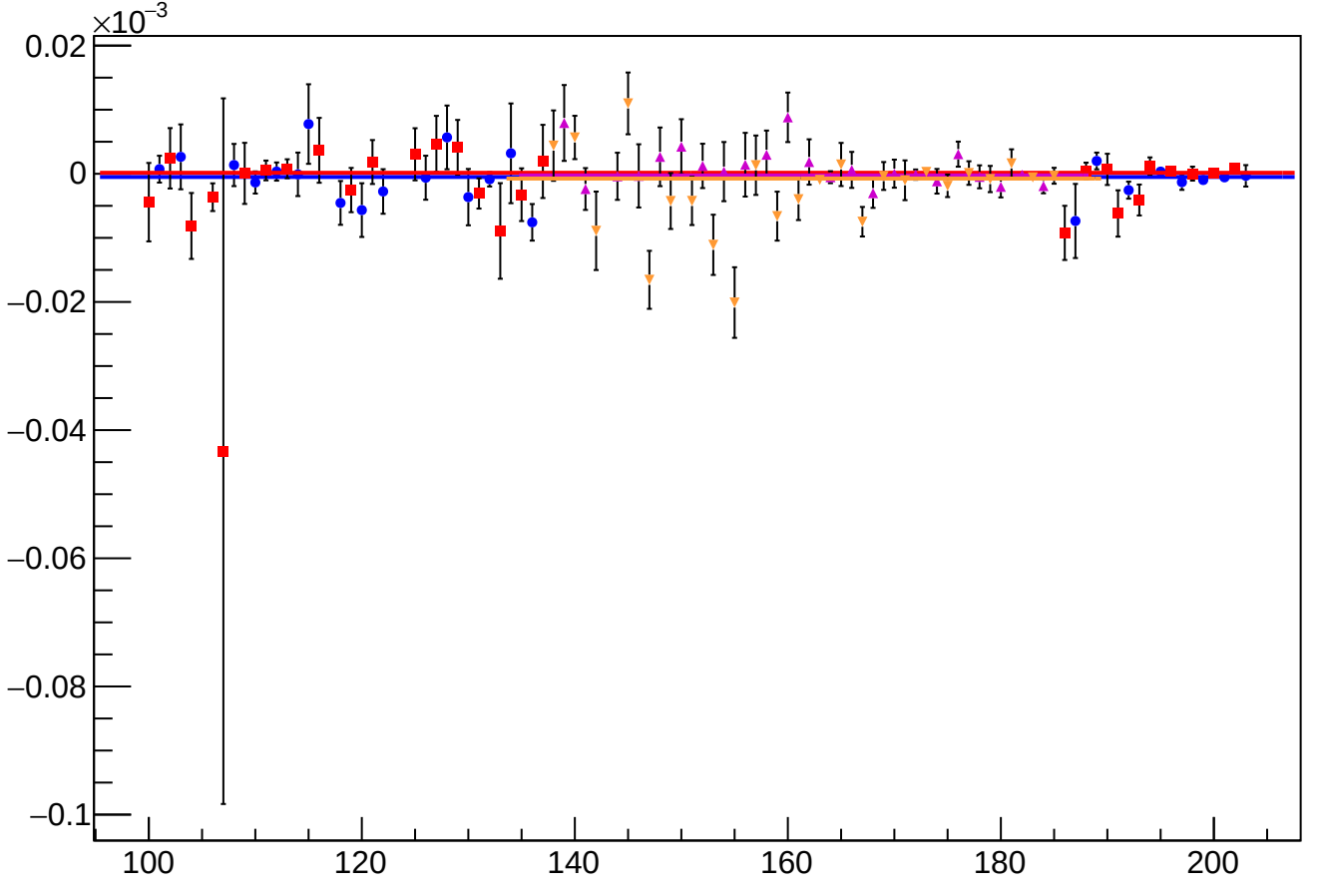
Left: 63.907+/-0.008 χ^2/NDF: 1917889.6/46

Right: 65.805+/-0.010 χ^2/NDF: 3329121.1/51

In: 64.670+/-0.009 χ^2/NDF:1898866.2/46

Out: 64.630+/-0.008 χ^2/NDF:3371787.8/51

All: 64.650+/-0.006 χ^2/NDF: 5270664.9/98



Right In: -0.000+/-0.000 χ^2/NDF: 26.8/23

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

Right Out: 0.000+/-0.000 χ^2/NDF: 28.3/27

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

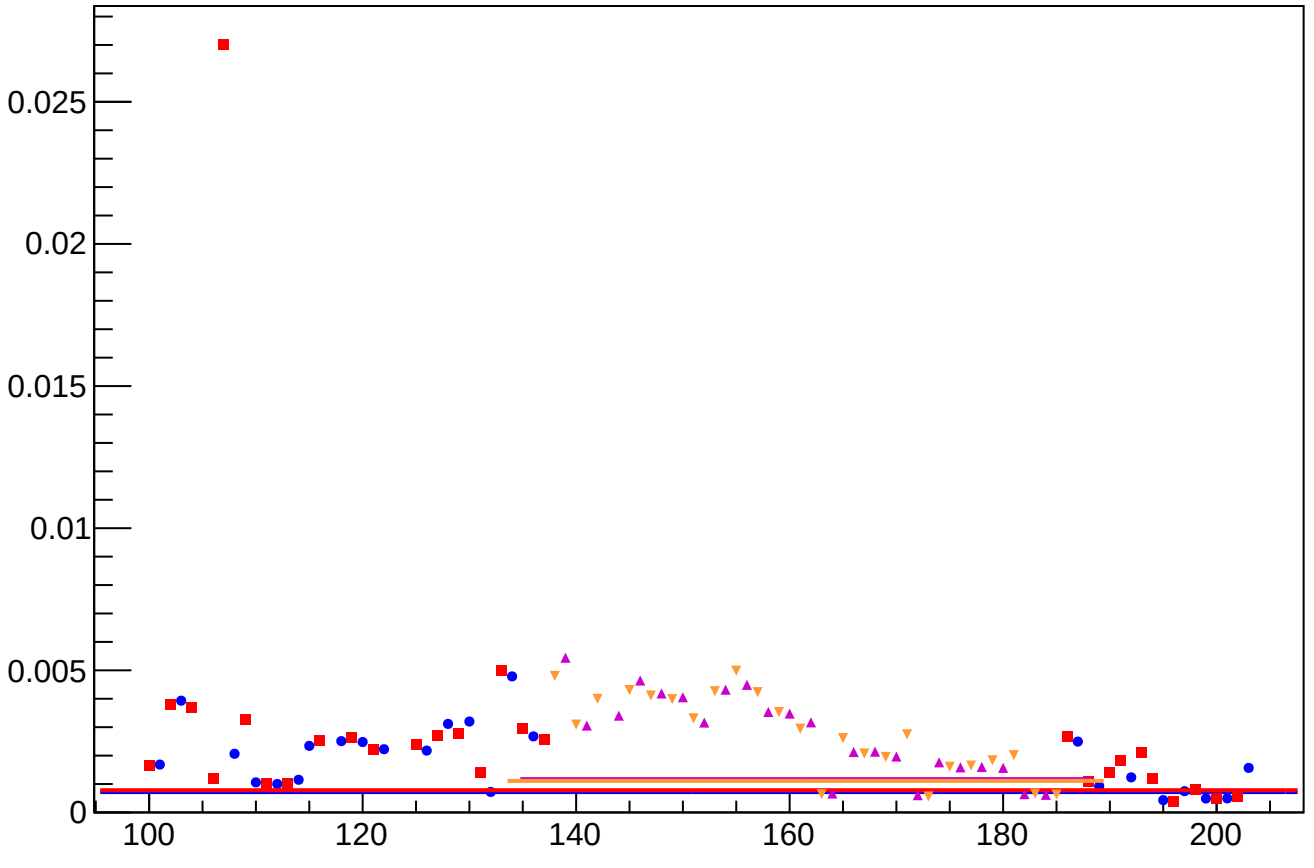
Left: -0.000+/-0.000 χ^2/NDF: 79.8/46

Right: -0.000+/-0.000 χ^2/NDF: 58.2/51

In: -0.000+/-0.000 χ^2/NDF:45.9/46

Out: -0.000+/-0.000 χ^2/NDF:92.5/51

All: -0.000+/-0.000 χ^2/NDF: 138.9/98



Right In: 0.001+/-0.000 χ^2/NDF: 8501442.8/23

Left Out: 0.001+/-0.000 χ^2/NDF:15160045.8/23

Right Out: 0.001+/-0.000 χ^2/NDF: 9773559.6/27

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

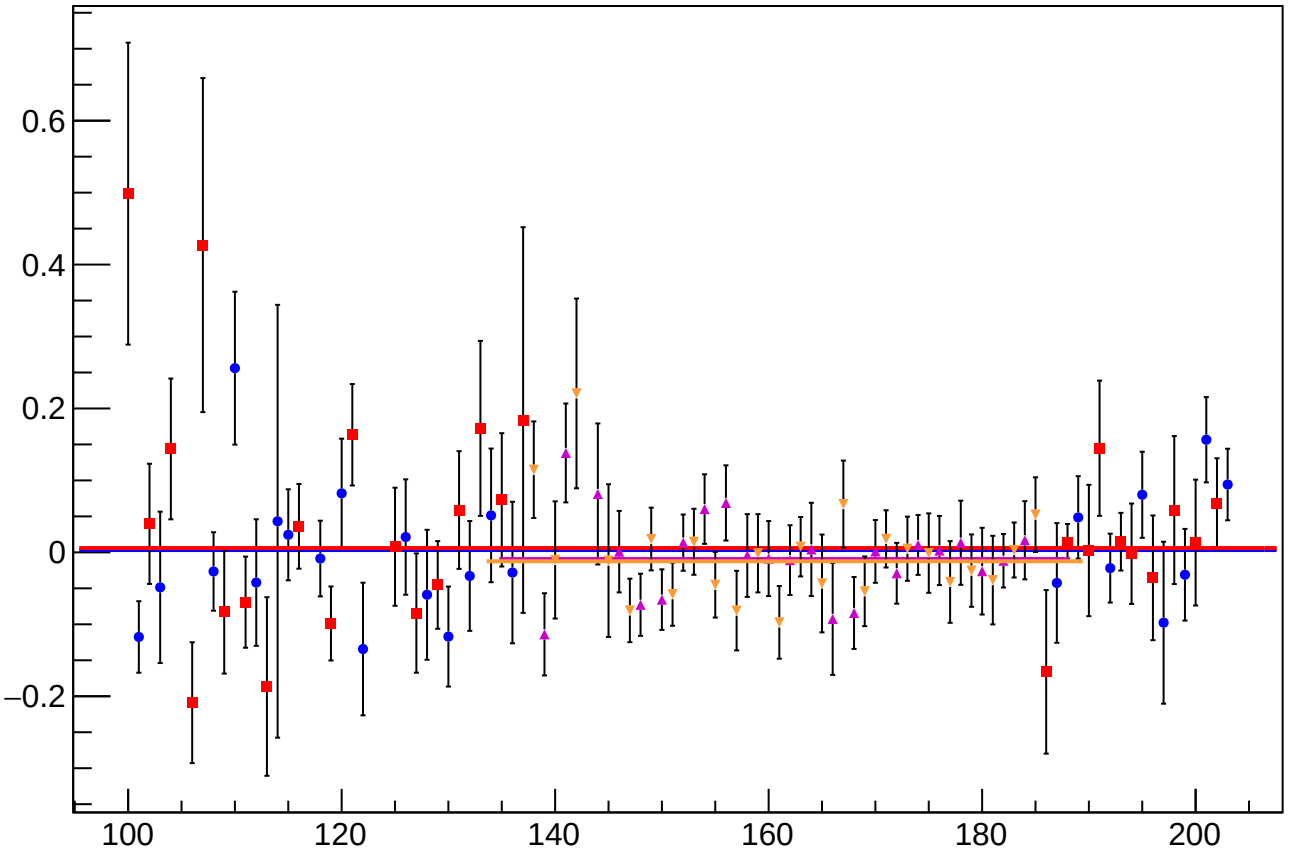
Left: 0.001+/-0.000 χ^2/NDF: 29445135.6/46

Right: 0.001+/-0.000 χ^2/NDF: 18339010.3/51

In: 0.001+/-0.000 χ^2/NDF:24917607.8/46

Out: 0.001+/-0.000 χ^2/NDF:26037429.5/51

All: 0.001+/-0.000 χ^2/NDF: 50999814.6/98



Right In: 0.003+/-0.014 χ^2/NDF: 34.0/23

Left Out: -0.012+/-0.010 χ^2/NDF:21.9/23

Right Out: 0.006+/-0.013 χ^2/NDF: 43.0/27

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

Left: -0.011+/-0.007 χ^2/NDF: 43.9/46

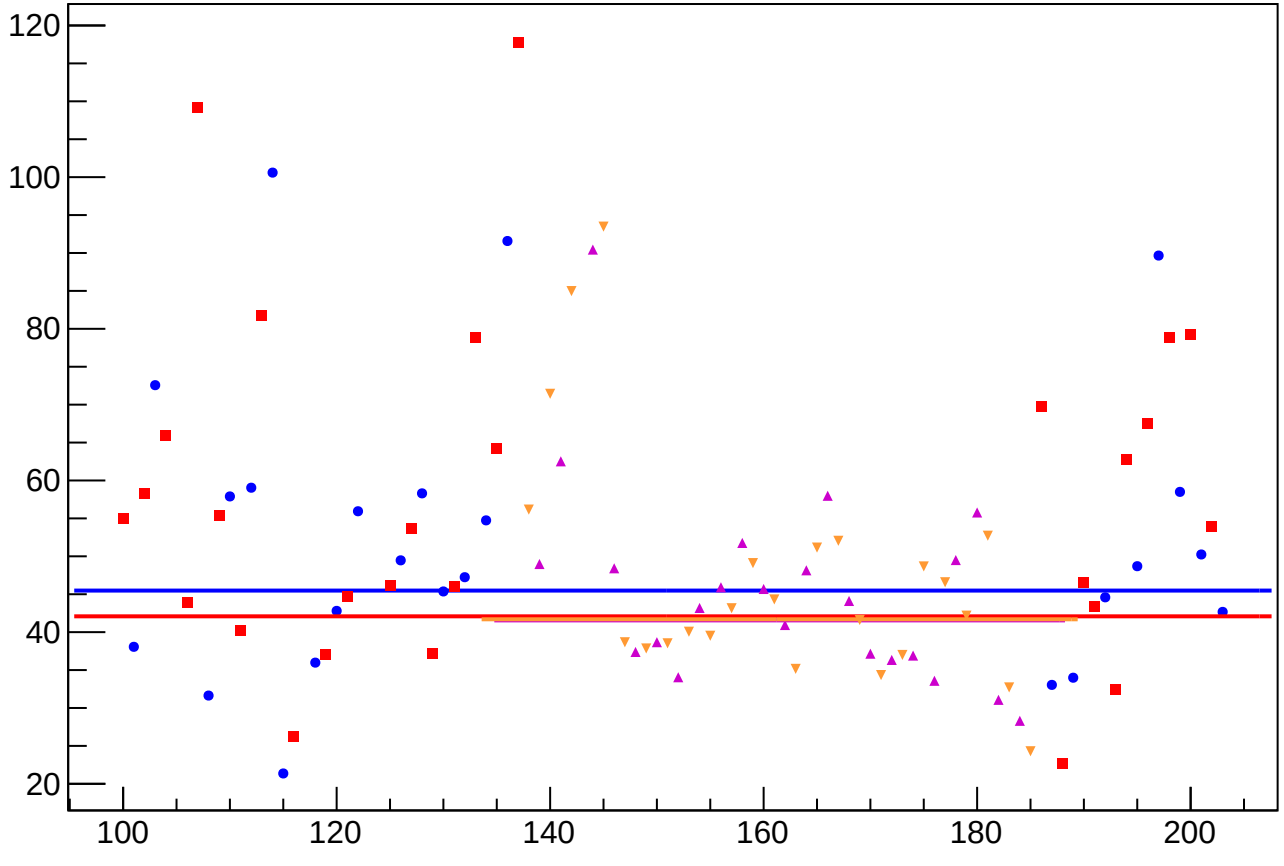
Right: 0.005+/-0.010 χ^2/NDF: 77.0/51

In: -0.005+/-0.008 χ^2/NDF:56.4/46

Out: -0.005+/-0.008 χ^2/NDF:66.1/51

All: -0.005+/-0.006 χ^2/NDF: 122.5/98

asym_usl_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 45.482+/-0.010 χ^2/NDF: 1880189.8/23

Left Out: 41.695+/-0.007 χ^2/NDF:1821753.6/23

Right Out: 42.086+/-0.009 χ^2/NDF: 3666169.2/27

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

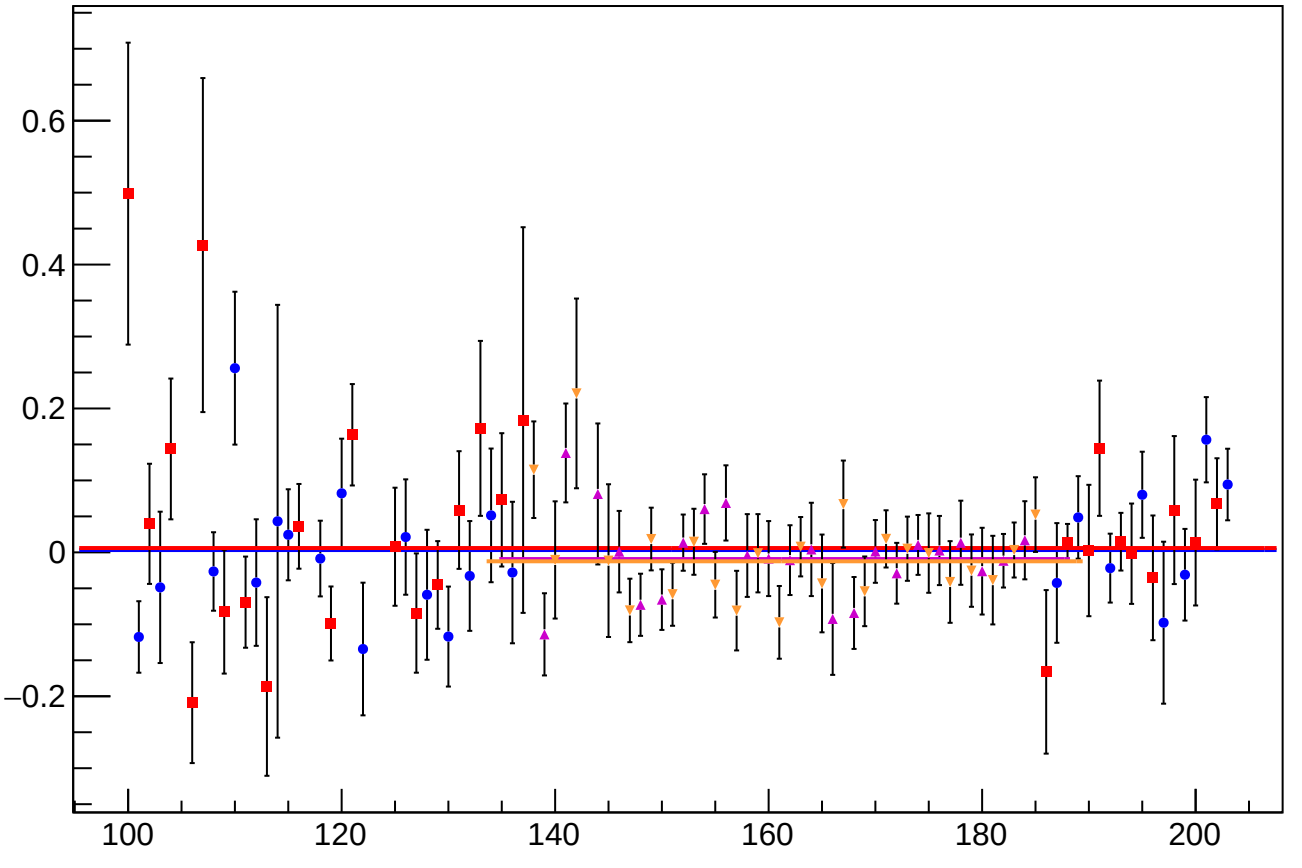
Left: 41.623+/-0.005 χ^2/NDF: 3434883.2/46

Right: 43.654+/-0.007 χ^2/NDF: 5608643.4/51

In: 42.947+/-0.006 χ^2/NDF:3593115.9/46

Out: 41.848+/-0.006 χ^2/NDF:5489013.7/51

All: 42.382+/-0.004 χ^2/NDF: 9099670.8/98



Right In: 0.003+/-0.014 χ^2/NDF: 34.0/23

Left Out: -0.012+/-0.010 χ^2/NDF:21.9/23

Right Out: 0.006+/-0.013 χ^2/NDF: 43.0/27

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

Left: -0.011+/-0.007 χ^2/NDF: 43.9/46

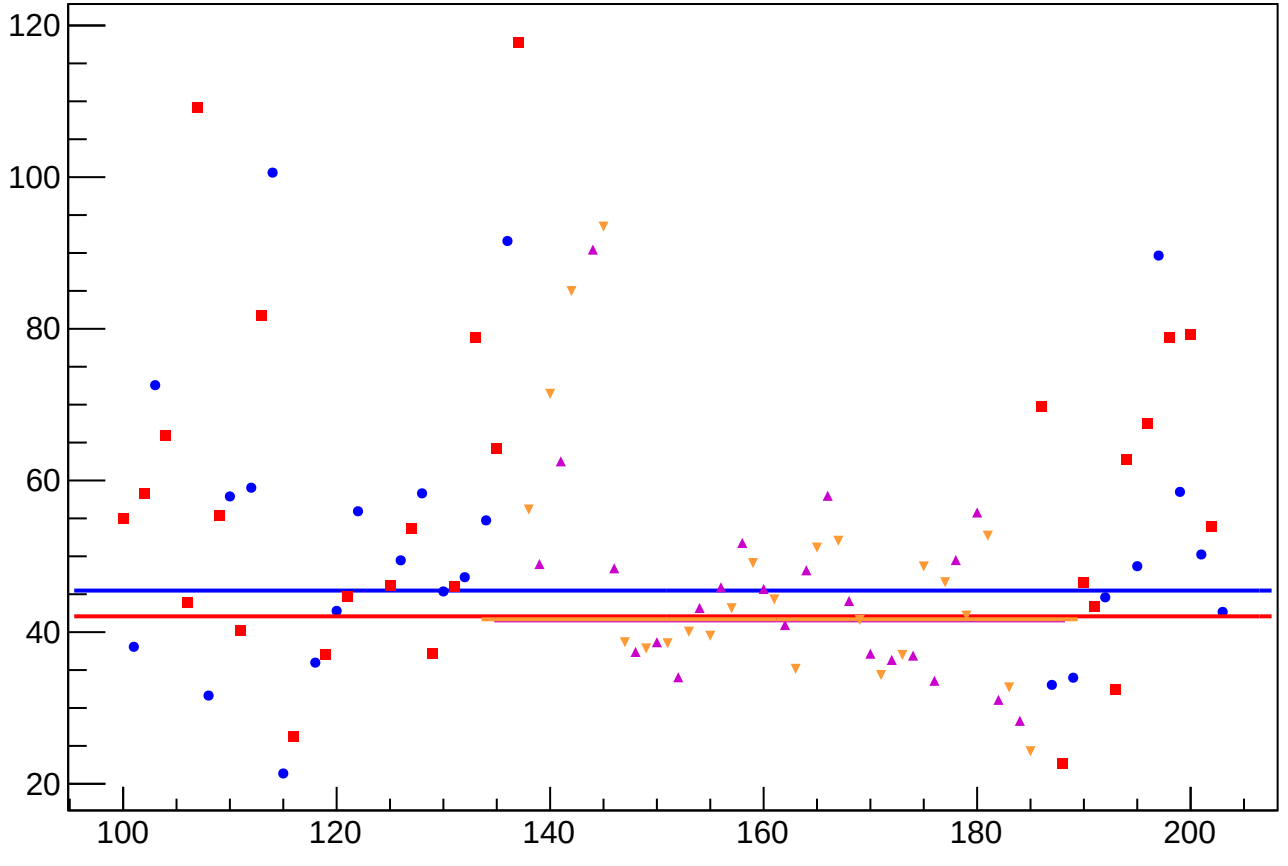
Right: 0.005+/-0.010 χ^2/NDF: 77.0/51

In: -0.005+/-0.008 χ^2/NDF:56.4/46

Out: -0.005+/-0.008 χ^2/NDF:66.1/51

All: -0.005+/-0.006 χ^2/NDF: 122.5/98

asym_usl_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 45.482+/-0.010 χ^2/NDF: 1880189.8/23

Left Out: 41.695+/-0.007 χ^2/NDF:1821753.6/23

Right Out: 42.086+/-0.009 χ^2/NDF: 3666169.2/27

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

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

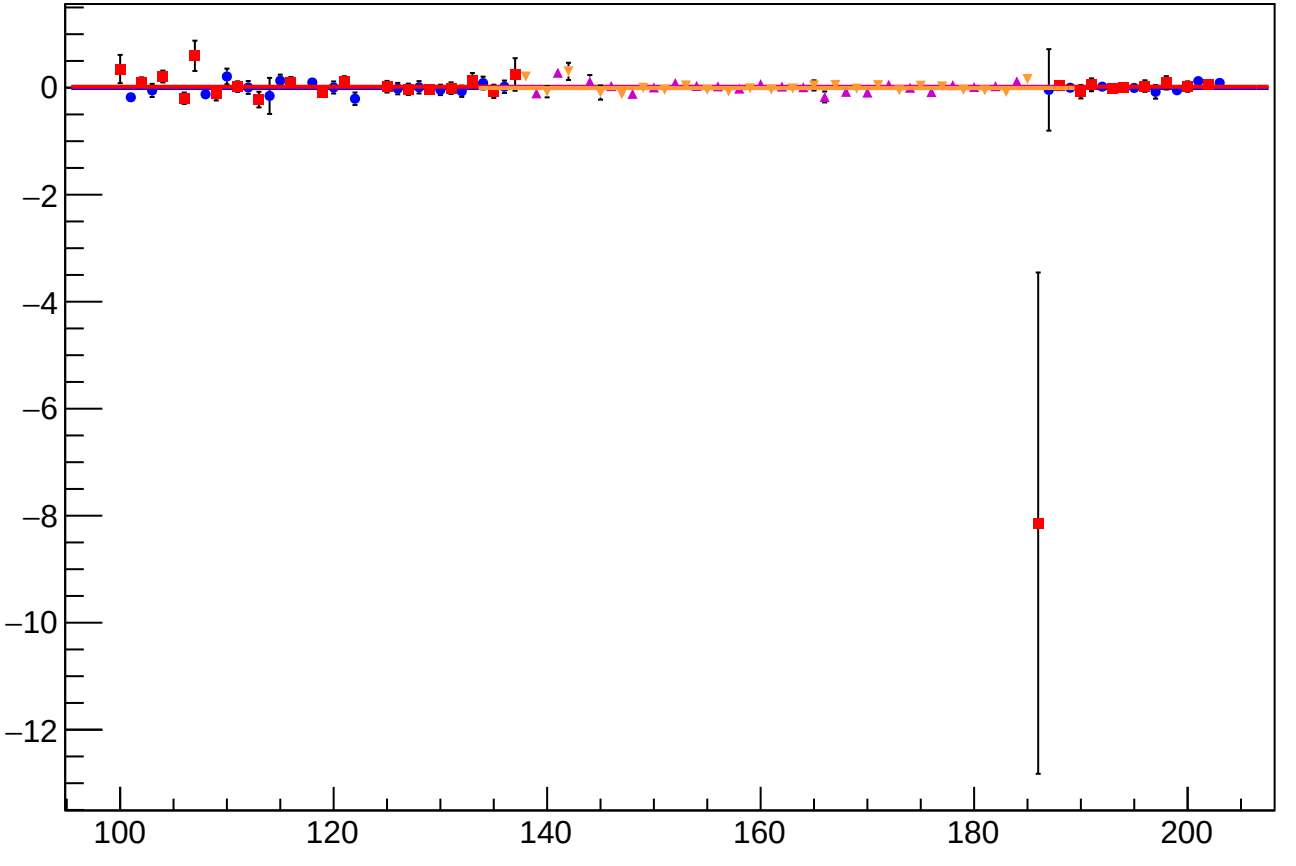
Right: 43.654+/-0.007 χ^2/NDF: 5608643.4/51

In: 42.947+/-0.006 χ^2/NDF:3593115.9/46

Out: 41.848+/-0.006 χ^2/NDF:5489013.7/51

All: 42.382+/-0.004 χ^2/NDF: 9099670.8/98

asym_usl_eigen_dit_vs_overload_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.007+/-0.019 χ^2/NDF: 24.4/23

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

Right Out: 0.018+/-0.019 χ^2/NDF: 27.6/27

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

Left: 0.000+/-0.011 χ^2/NDF: 52.2/46

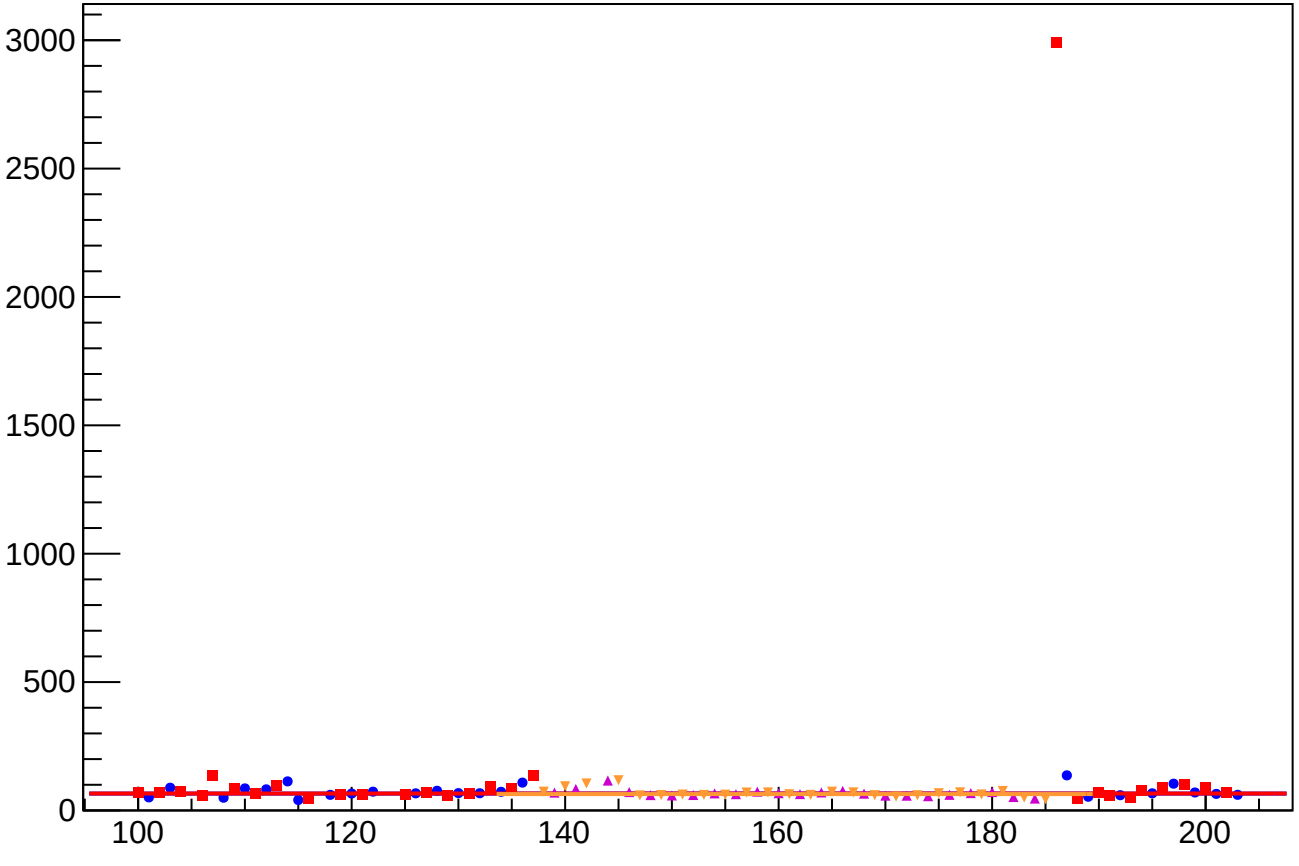
Right: 0.006+/-0.014 χ^2/NDF: 52.8/51

In: 0.002+/-0.012 χ^2/NDF:52.9/46

Out: 0.003+/-0.012 χ^2/NDF:52.2/51

All: 0.003+/-0.009 χ^2/NDF: 105.1/98

asym_usl_eigen_dit_vs_overload_cor_diff_rms vs Slug, Sign Corrected



Right In: 65.670+/-0.014 χ^2/NDF: 1051448.7/23

Left Out: 63.779+/-0.011 χ^2/NDF:1078810.5/23

Right Out: 65.935+/-0.013 χ^2/NDF: 2277479.3/27

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

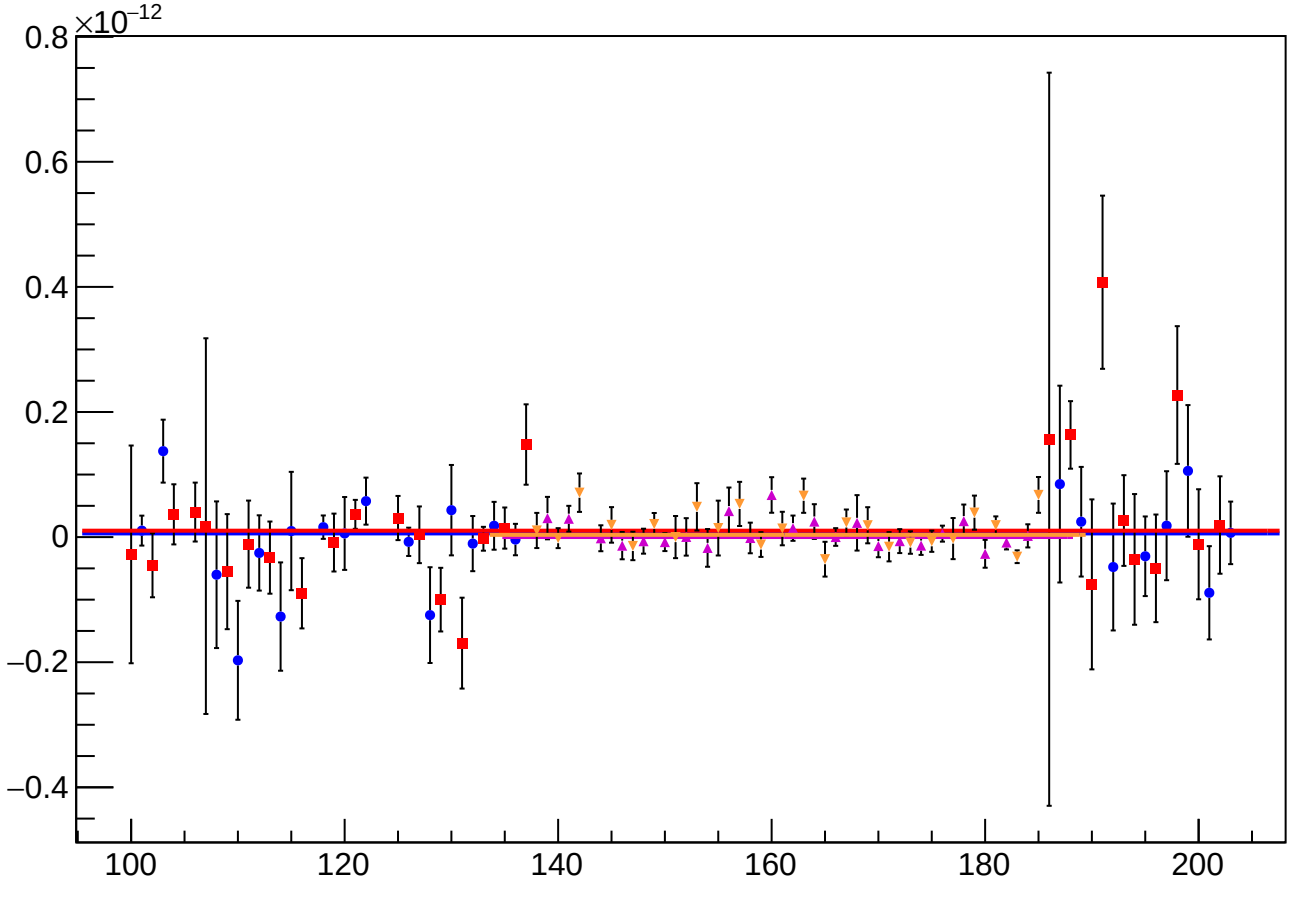
Left: 63.907+/-0.008 χ^2/NDF: 1917872.4/46

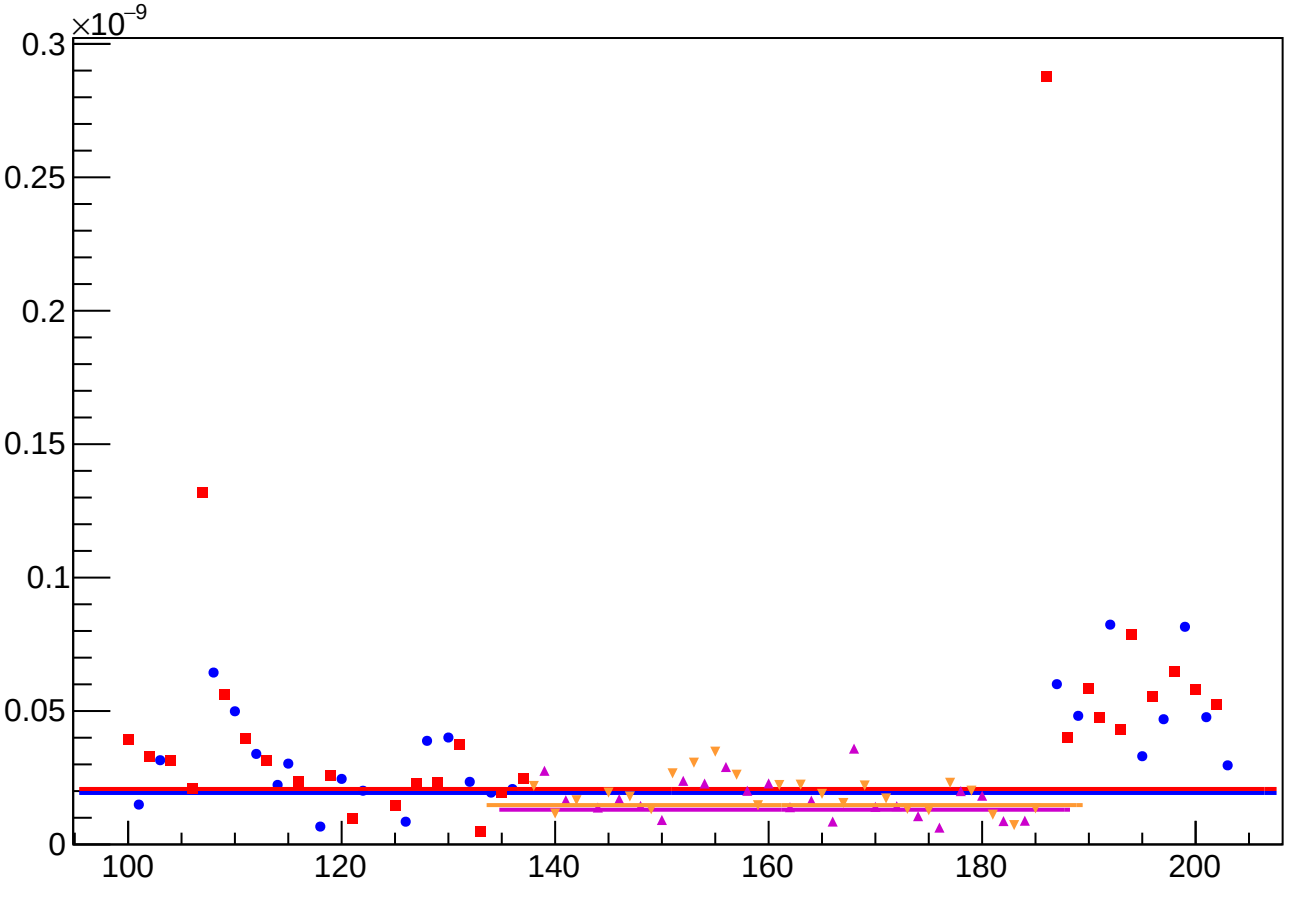
Right: 65.805+/-0.010 χ^2/NDF: 3329116.5/51

In: 64.670+/-0.009 χ^2/NDF:1898868.0/46

Out: 64.630+/-0.008 χ^2/NDF:3371753.8/51

All: 64.650+/-0.006 χ^2/NDF: 5270632.8/98


asym_usl_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
0.8
0.6
0.4
0.2
0
−0.2
−0.4
100
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 23.9/23
Left Out: 0.000+/-0.000 χ²/NDF:40.6/23
Right Out: 0.000+/-0.000 χ²/NDF: 45.3/27
Left In: 0.000+/-0.000 χ²/NDF:17.1/22
Left: 0.000+/-0.000 χ²/NDF: 58.0/46
Right: 0.000+/-0.000 χ²/NDF: 69.4/51
In: 0.000+/-0.000 χ²/NDF:41.4/46
Out: 0.000+/-0.000 χ²/NDF:86.4/51
All: 0.000+/-0.000 χ²/NDF: 128.2/98



Right In: 0.000+/-0.000 χ^2/NDF: 5032180.3/23

Left Out: 0.000+/-0.000 χ^2/NDF:3531388.4/23

Right Out: 0.000+/-0.000 χ^2/NDF: 6106086.3/27

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

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

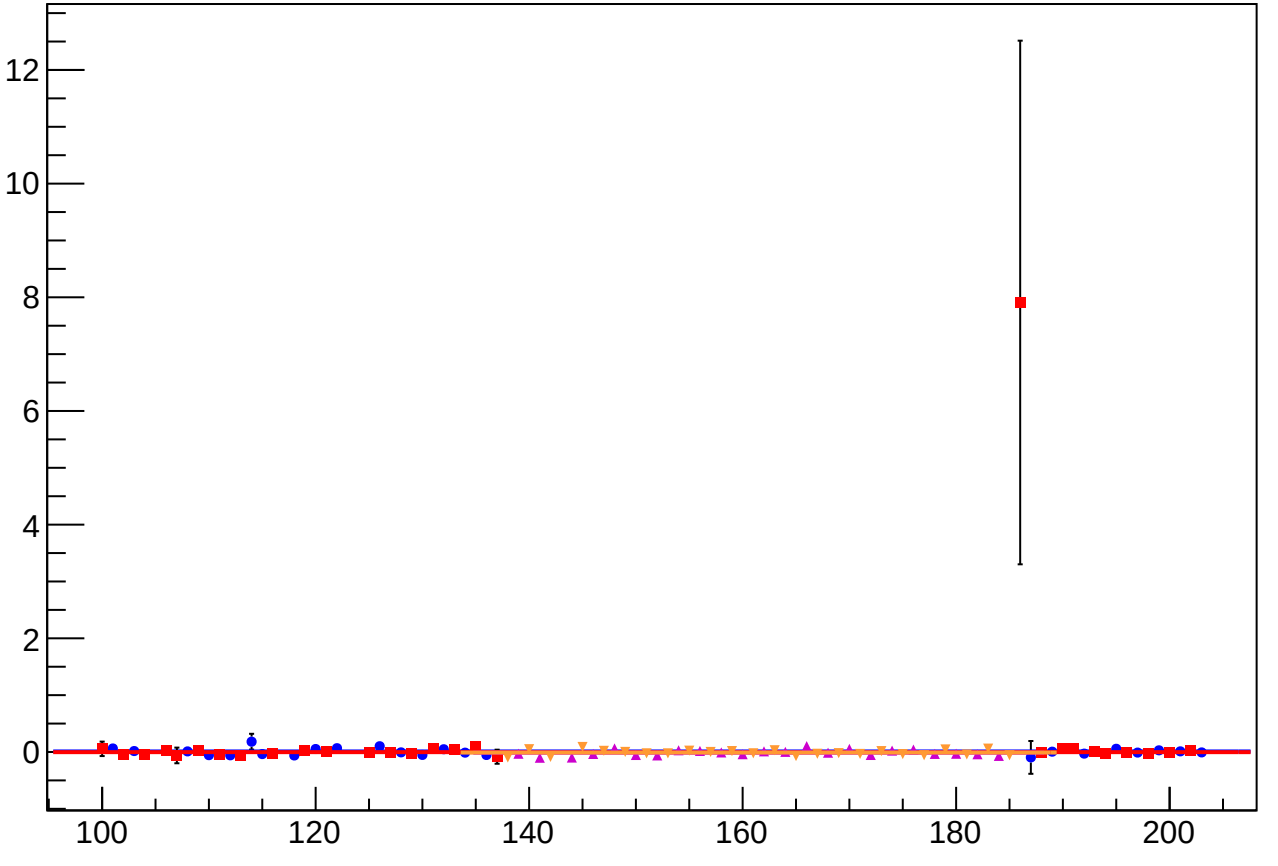
Right: 0.000+/-0.000 χ^2/NDF: 11166017.3/51

In: 0.000+/-0.000 χ^2/NDF:9810517.6/46

Out: 0.000+/-0.000 χ^2/NDF:10331624.3/51

All: 0.000+/-0.000 χ^2/NDF: 20346621.3/98

asym_usl_overload_cor_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.009+/-0.010 χ^2/NDF: 18.7/23

Left Out: -0.010+/-0.009 χ^2/NDF:19.4/23

Right Out: -0.003+/-0.009 χ^2/NDF: 17.8/27

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

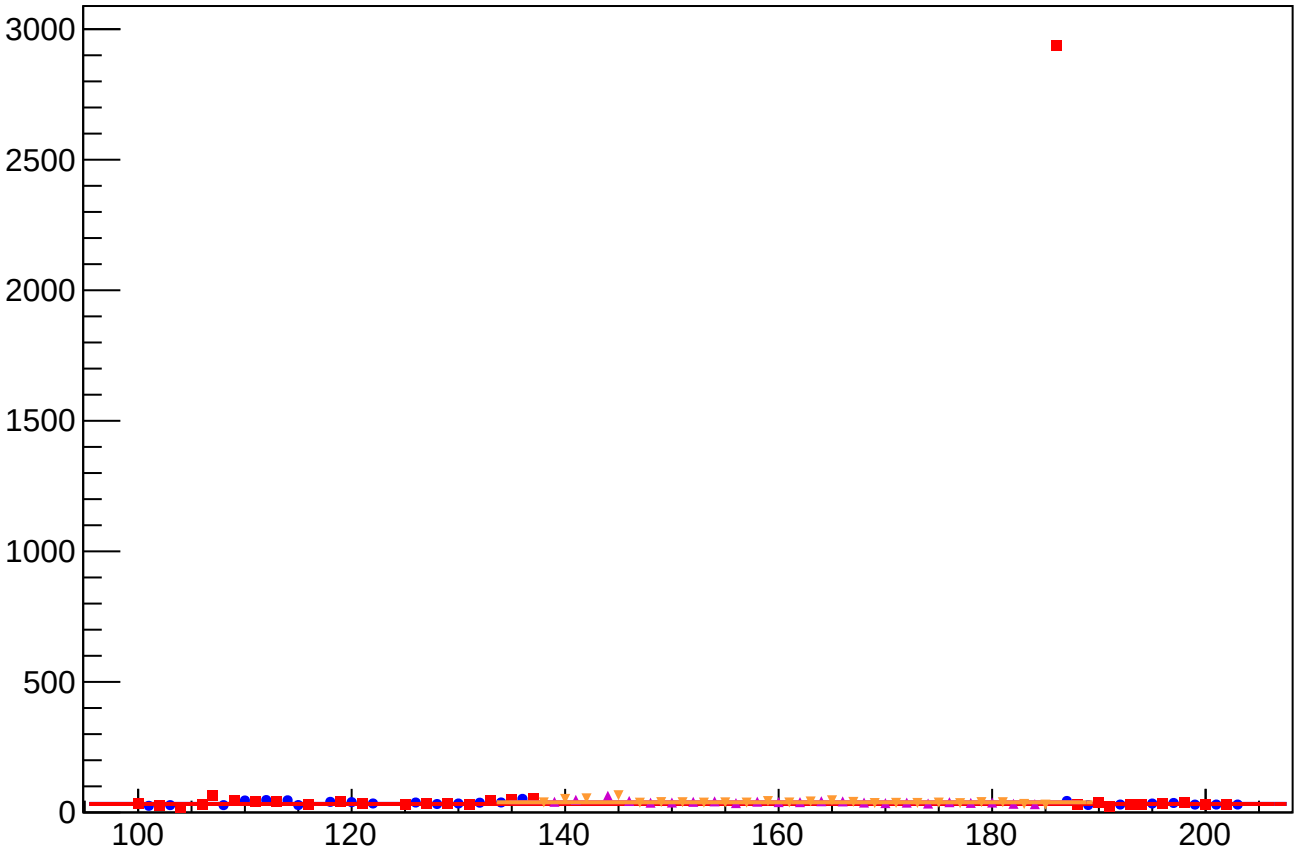
Left: -0.010+/-0.007 χ^2/NDF: 42.7/46

Right: 0.003+/-0.007 χ^2/NDF: 37.3/51

In: -0.001+/-0.007 χ^2/NDF:44.2/46

Out: -0.006+/-0.007 χ^2/NDF:37.5/51

All: -0.004+/-0.005 χ^2/NDF: 82.0/98



Right In: 32.782+/-0.007 χ^2/NDF: 744196.5/23

Left Out: 38.972+/-0.007 χ^2/NDF:624525.1/23

Right Out: 32.491+/-0.007 χ^2/NDF: 1877340.2/27

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

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

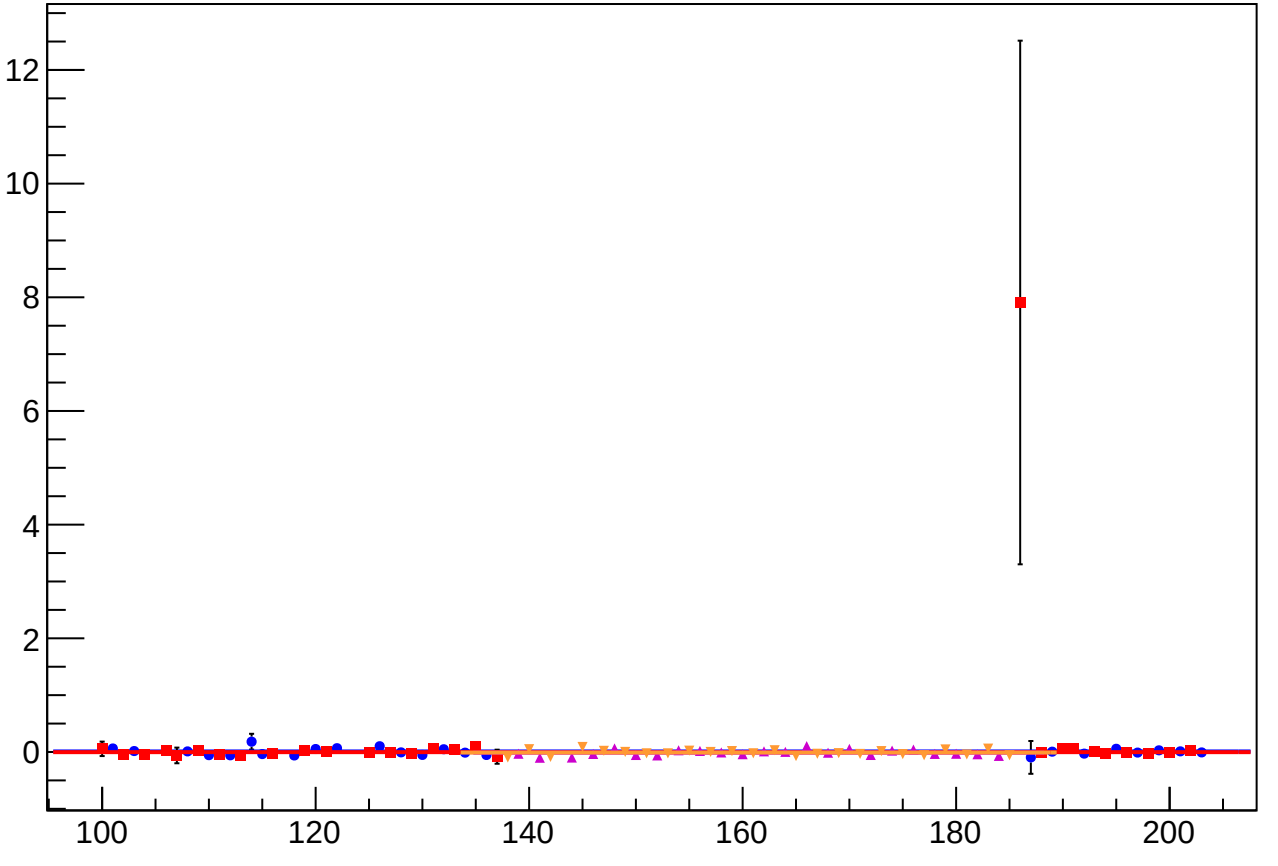
Right: 32.631+/-0.005 χ^2/NDF: 2622486.4/51

In: 36.004+/-0.005 χ^2/NDF:1710393.3/46

Out: 35.666+/-0.005 χ^2/NDF:2980429.5/51

All: 35.831+/-0.003 χ^2/NDF: 4693373.0/98

asym_usl_overload_cor_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.009+/-0.010 χ^2/NDF: 18.7/23

Left Out: -0.010+/-0.009 χ^2/NDF:19.4/23

Right Out: -0.003+/-0.009 χ^2/NDF: 17.8/27

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

Left: -0.010+/-0.007 χ^2/NDF: 42.7/46

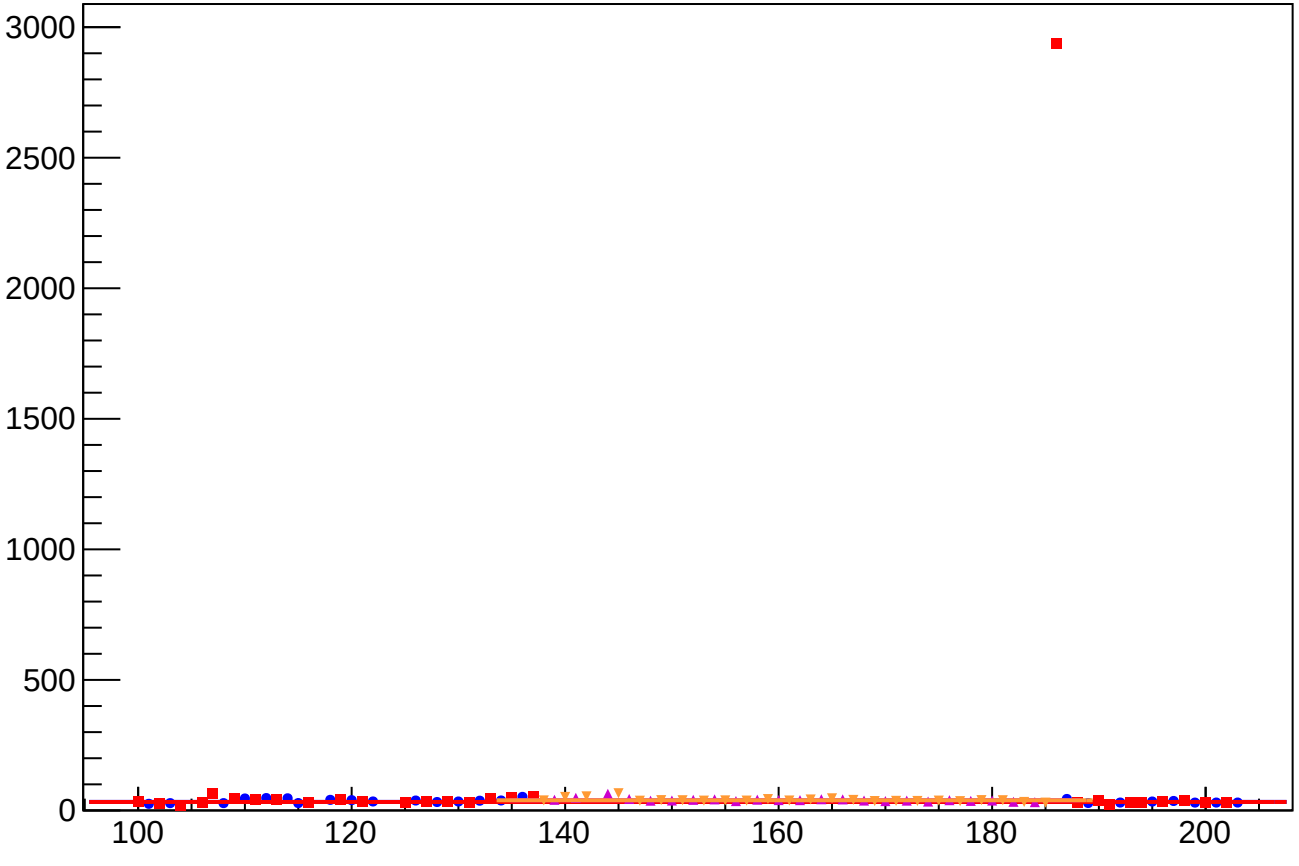
Right: 0.003+/-0.007 χ^2/NDF: 37.3/51

In: -0.001+/-0.007 χ^2/NDF:44.2/46

Out: -0.006+/-0.007 χ^2/NDF:37.5/51

All: -0.004+/-0.005 χ^2/NDF: 82.0/98

asym_usl_overload_cor_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 32.782+/-0.007 χ^2/NDF: 744196.5/23

Left Out: 38.972+/-0.007 χ^2/NDF:624525.1/23

Right Out: 32.491+/-0.007 χ^2/NDF: 1877340.2/27

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

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

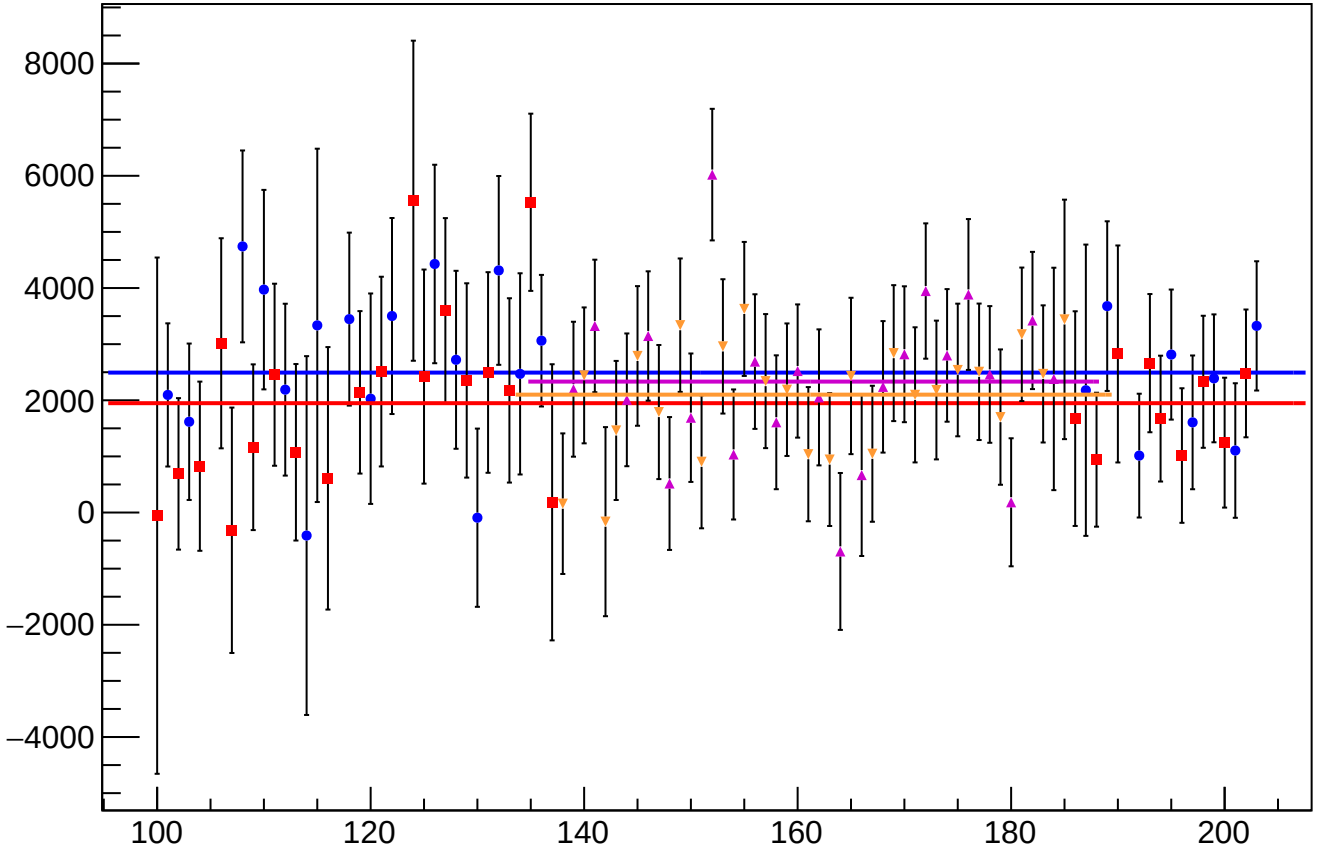
Right: 32.631+/-0.005 χ^2/NDF: 2622486.4/51

In: 36.004+/-0.005 χ^2/NDF:1710393.3/46

Out: 35.666+/-0.005 χ^2/NDF:2980429.5/51

All: 35.831+/-0.003 χ^2/NDF: 4693373.0/98

reg_asym_usr_mean vs Slug, Sign Corrected



Right In: 2493.282+/-301.090 χ^2/NDF: 14.8/23

Left Out: 2100.398+/-248.306 χ^2/NDF:13.8/24

Right Out: 1948.400+/-291.509 χ^2/NDF: 15.3/27

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

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

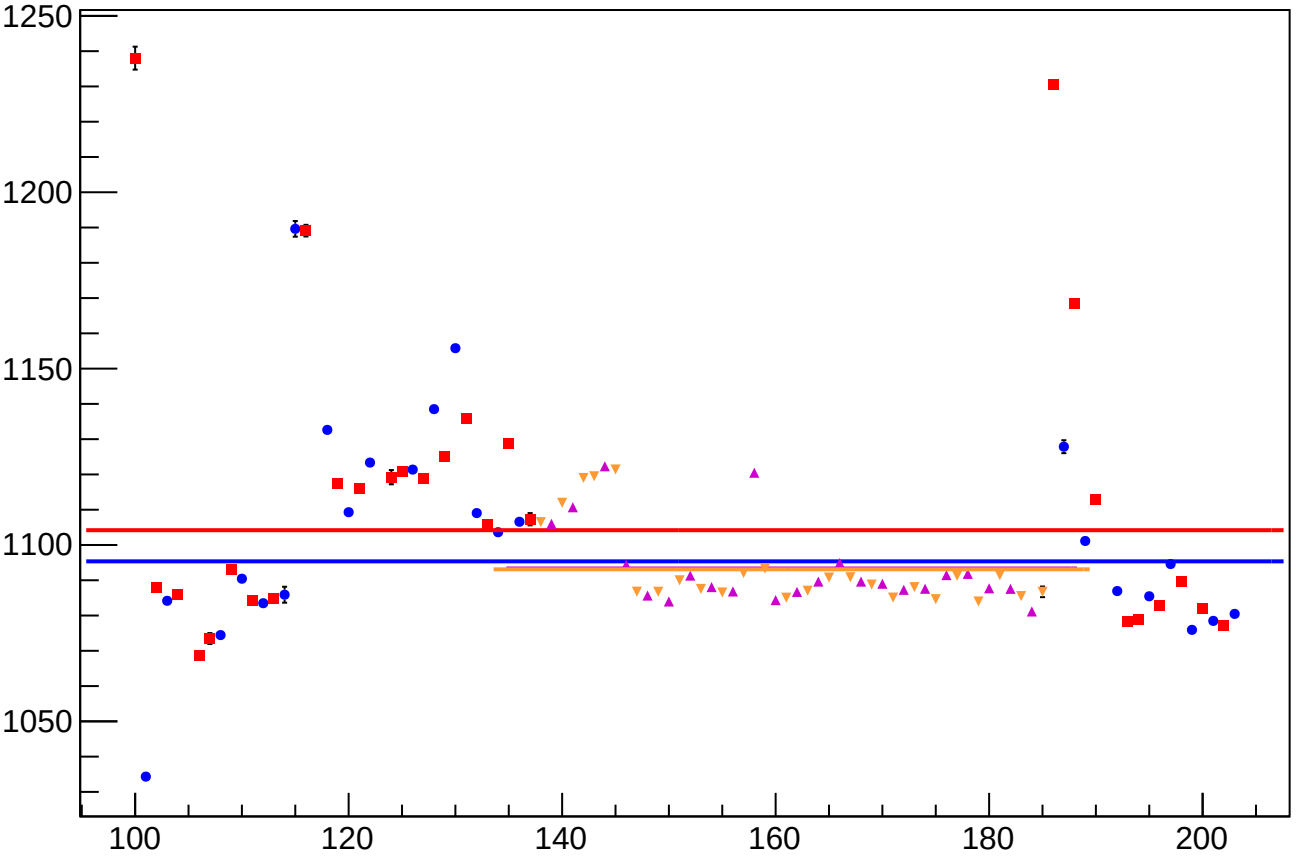
Right: 2212.033+/-209.433 χ^2/NDF: 31.8/51

In: 2400.007+/-194.716 χ^2/NDF:44.5/46

Out: 2036.486+/-189.027 χ^2/NDF:29.3/52

All: 2212.858+/-135.629 χ^2/NDF: 75.5/99

reg_asym_usr_rms vs Slug, Sign Corrected



Right In: 1095.361+/-0.213 χ^2/NDF: 15834.6/23

Left Out: 1093.102+/-0.176 χ^2/NDF:3983.2/24

Right Out: 1104.197+/-0.206 χ^2/NDF: 28054.6/27

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

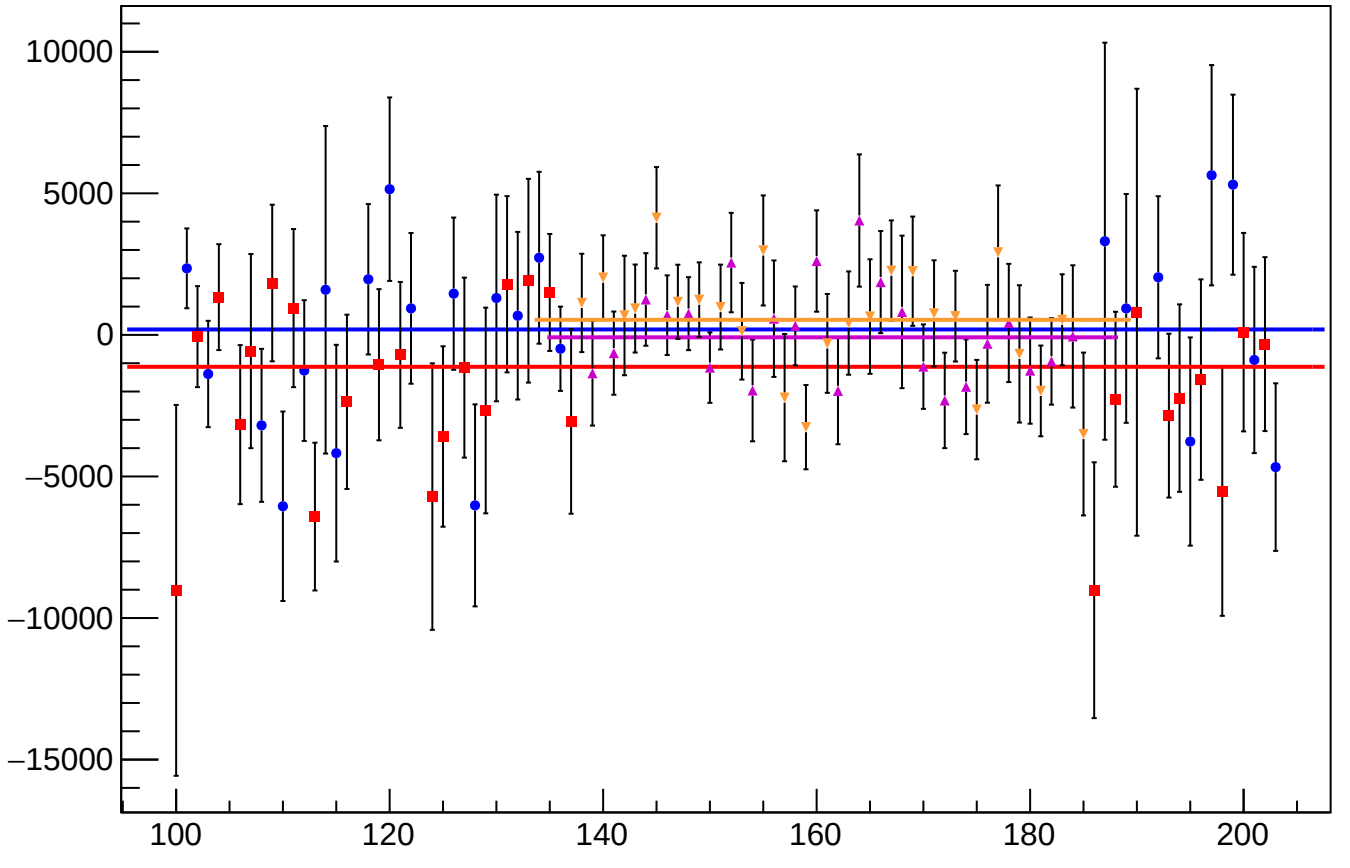
Left: 1093.217+/-0.126 χ^2/NDF: 7709.8/47

Right: 1099.922+/-0.148 χ^2/NDF: 44778.2/51

In: 1094.184+/-0.138 χ^2/NDF:19612.8/46

Out: 1097.767+/-0.134 χ^2/NDF:33716.6/52

All: 1096.029+/-0.096 χ^2/NDF: 53678.0/99



Right In: 192.250+/-553.287 χ^2/NDF: 26.1/23

Left Out: 532.982+/-347.223 χ^2/NDF:26.4/24

Right Out: -1126.993+/-562.161 χ^2/NDF: 20.3/27

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

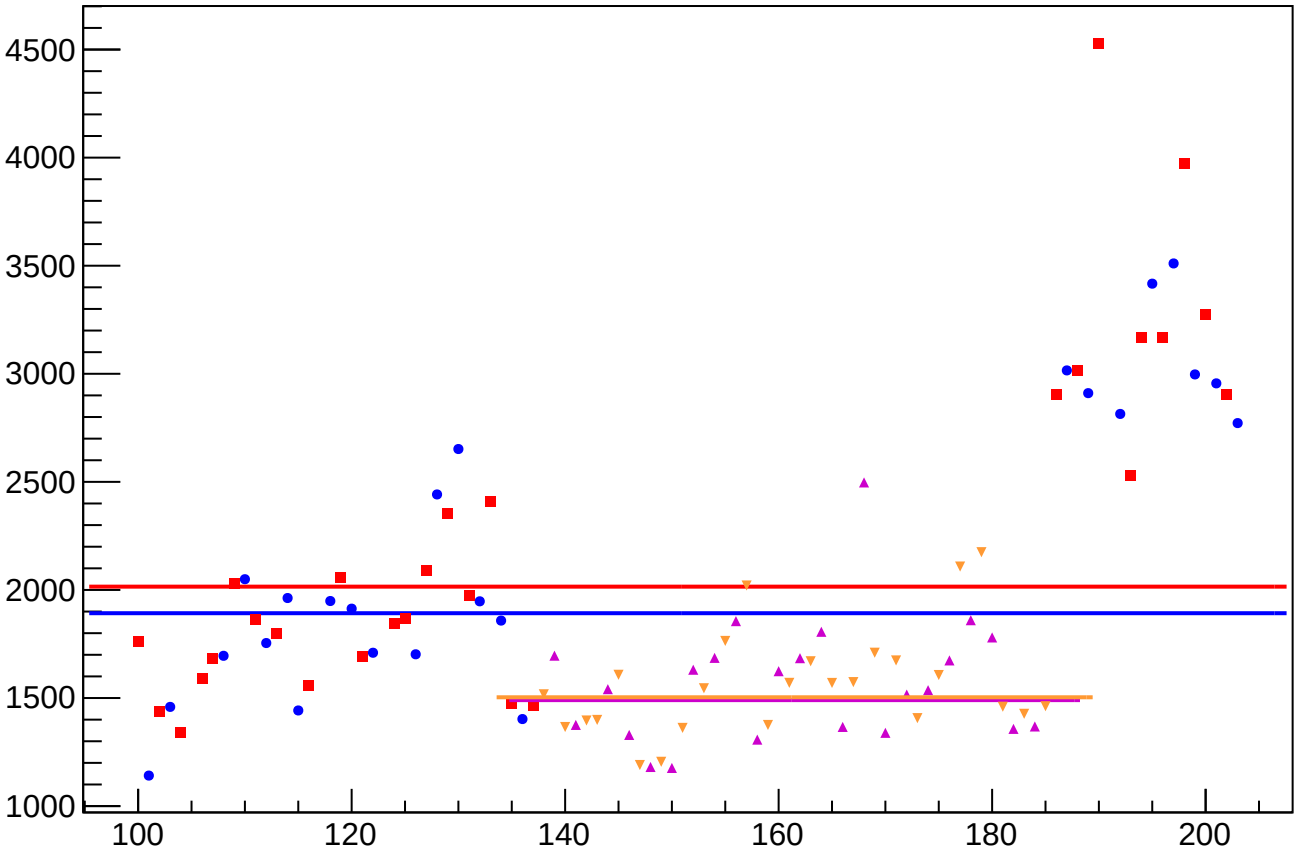
Left: 229.744+/-247.862 χ^2/NDF: 46.1/47

Right: -456.876+/-394.333 χ^2/NDF: 49.2/51

In: -4.725+/-298.150 χ^2/NDF:44.3/46

Out: 74.582+/-295.415 χ^2/NDF:53.1/52

All: 35.294+/-209.850 χ^2/NDF: 97.4/99



Right In: 1892.399+/-0.391 χ^2/NDF: 2797974.0/23

Left Out: 1503.437+/-0.246 χ^2/NDF:799670.9/24

Right Out: 2015.282+/-0.398 χ^2/NDF: 2709865.4/27

Left In: 1490.314+/-0.250 χ^2/NDF:968221.5/22

Left: 1497.001+/-0.175 χ^2/NDF: 1769293.4/47

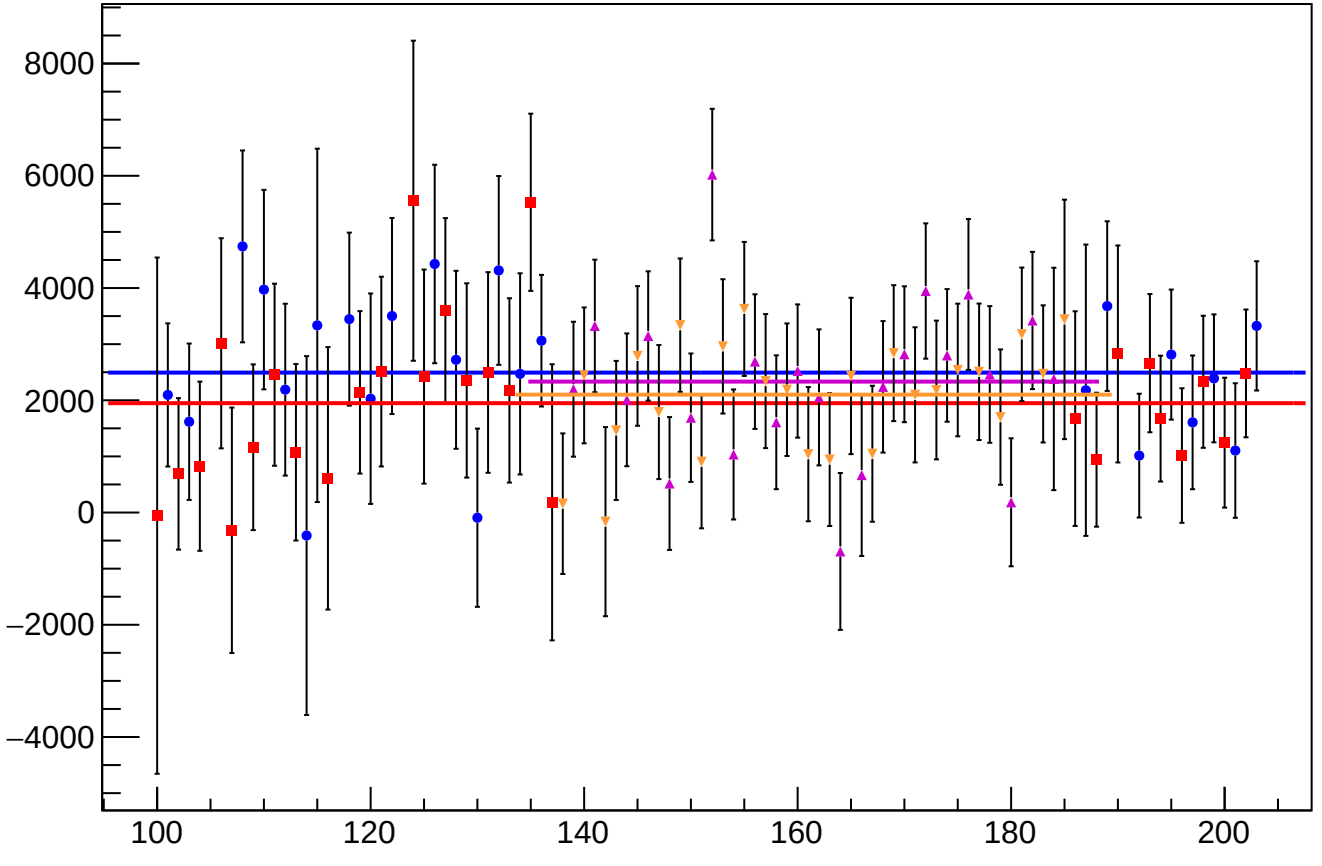
Right: 1952.863+/-0.279 χ^2/NDF: 5556381.1/51

In: 1607.072+/-0.211 χ^2/NDF:4515728.0/46

Out: 1644.782+/-0.209 χ^2/NDF:4709683.4/52

All: 1626.101+/-0.148 χ^2/NDF: 9241556.3/99

cor_asym_usr_mean vs Slug, Sign Corrected



Right In: 2493.282+/-301.090 χ^2/NDF: 14.8/23

Left Out: 2100.398+/-248.306 χ^2/NDF:13.8/24

Right Out: 1948.400+/-291.509 χ^2/NDF: 15.3/27

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

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

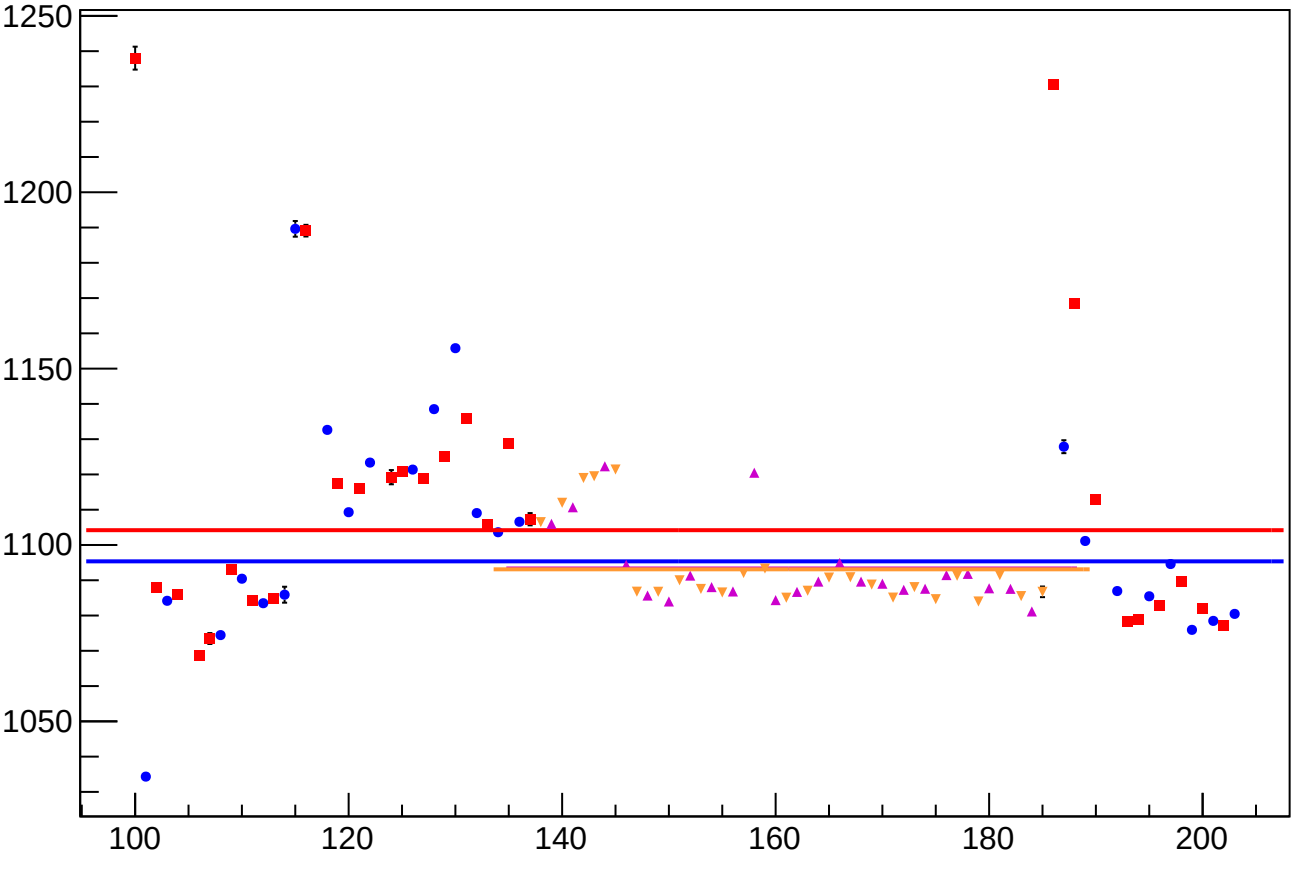
Right: 2212.033+/-209.433 χ^2/NDF: 31.8/51

In: 2400.007+/-194.716 χ^2/NDF:44.5/46

Out: 2036.486+/-189.027 χ^2/NDF:29.3/52

All: 2212.858+/-135.629 χ^2/NDF: 75.5/99

cor_asym_usr_rms vs Slug, Sign Corrected



Right In: 1095.361+/-0.213 χ^2/NDF: 15834.6/23

Left Out: 1093.102+/-0.176 χ^2/NDF:3983.2/24

Right Out: 1104.197+/-0.206 χ^2/NDF: 28054.6/27

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

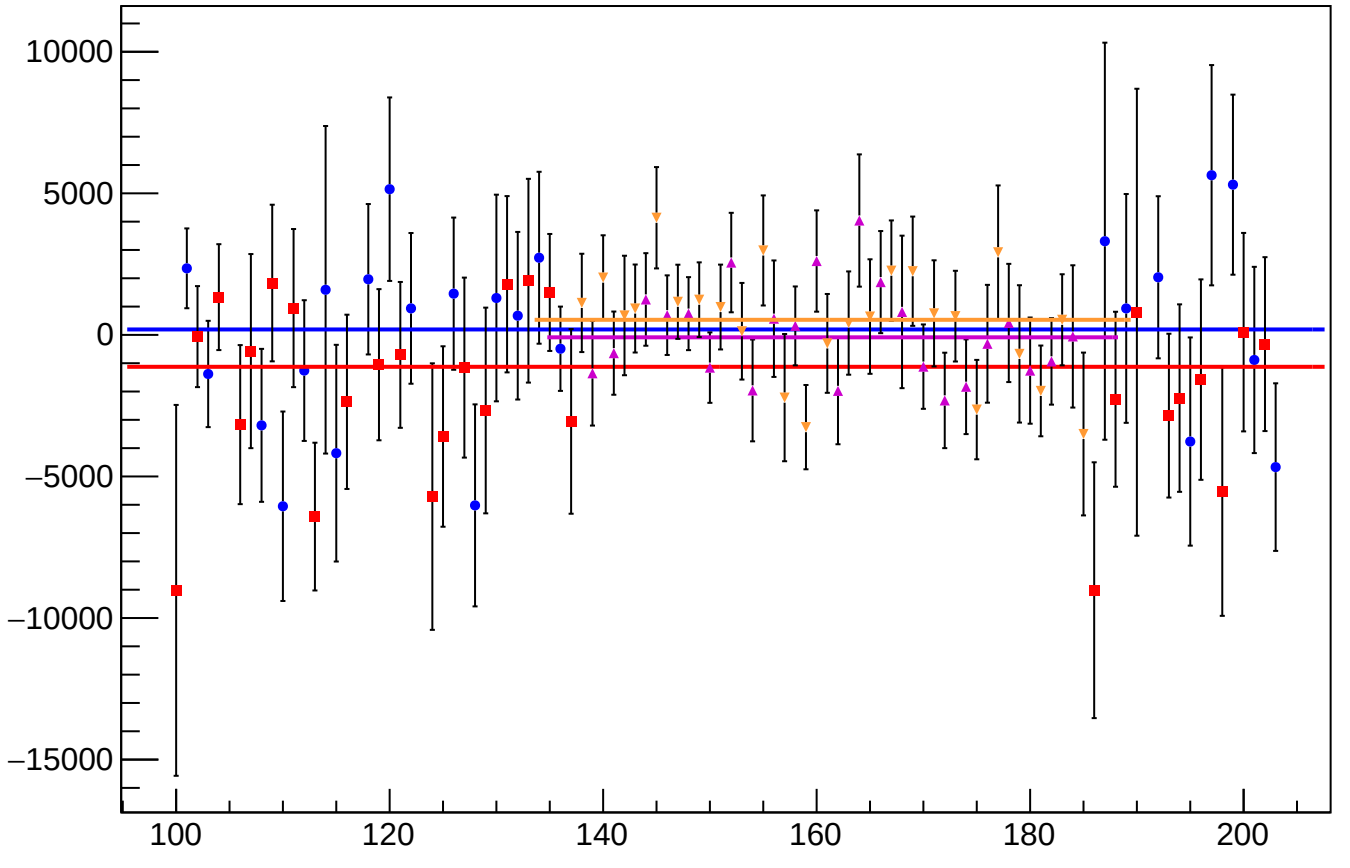
Left: 1093.217+/-0.126 χ^2/NDF: 7709.8/47

Right: 1099.922+/-0.148 χ^2/NDF: 44778.2/51

In: 1094.184+/-0.138 χ^2/NDF:19612.8/46

Out: 1097.767+/-0.134 χ^2/NDF:33716.6/52

All: 1096.029+/-0.096 χ^2/NDF: 53678.0/99



Right In: 192.250+/-553.287 χ^2/NDF: 26.1/23

Left Out: 532.982+/-347.223 χ^2/NDF:26.4/24

Right Out: -1126.993+/-562.161 χ^2/NDF: 20.3/27

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

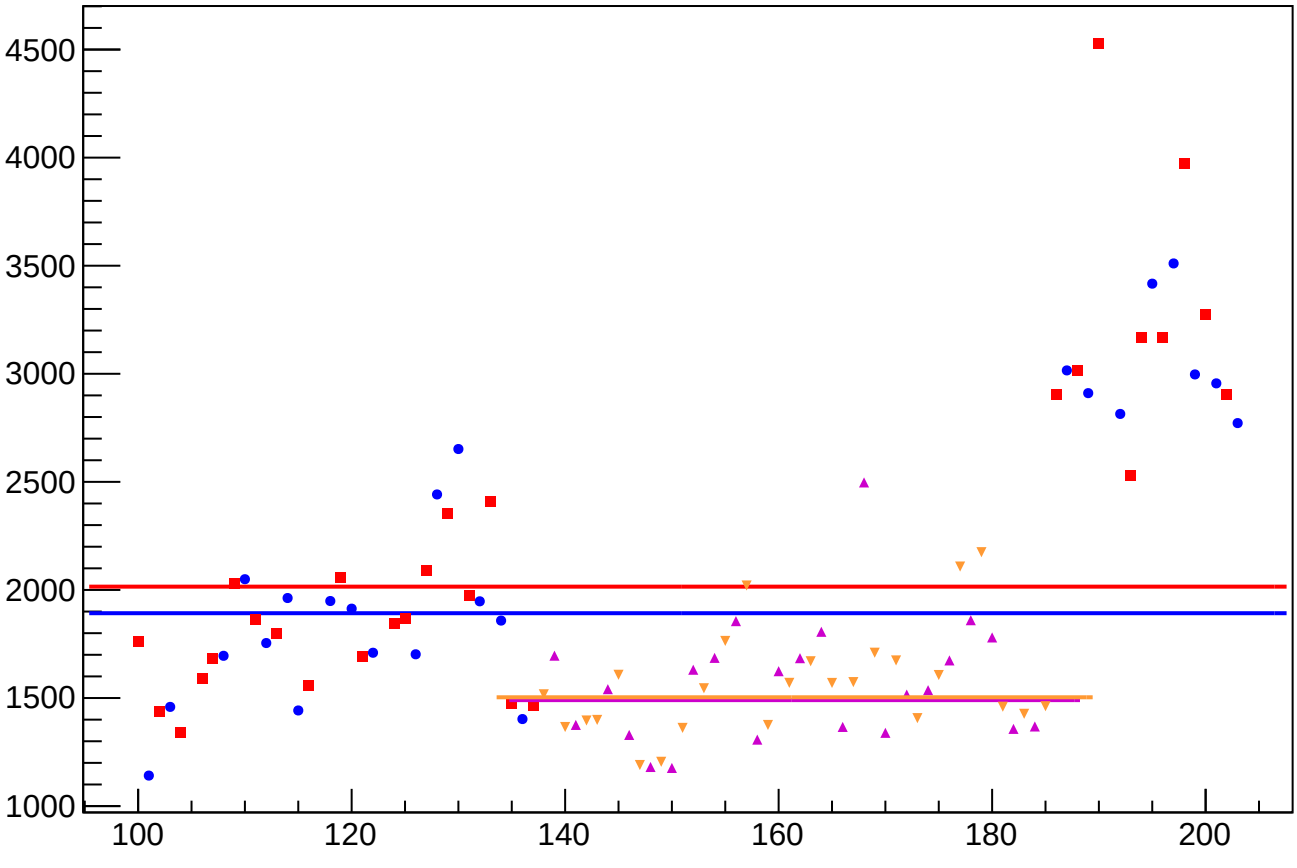
Left: 229.744+/-247.862 χ^2/NDF: 46.1/47

Right: -456.876+/-394.333 χ^2/NDF: 49.2/51

In: -4.725+/-298.150 χ^2/NDF:44.3/46

Out: 74.582+/-295.415 χ^2/NDF:53.1/52

All: 35.294+/-209.850 χ^2/NDF: 97.4/99



Right In: 1892.399+/-0.391 χ^2/NDF: 2797974.0/23

Left Out: 1503.437+/-0.246 χ^2/NDF:799670.9/24

Right Out: 2015.282+/-0.398 χ^2/NDF: 2709865.4/27

Left In: 1490.314+/-0.250 χ^2/NDF:968221.5/22

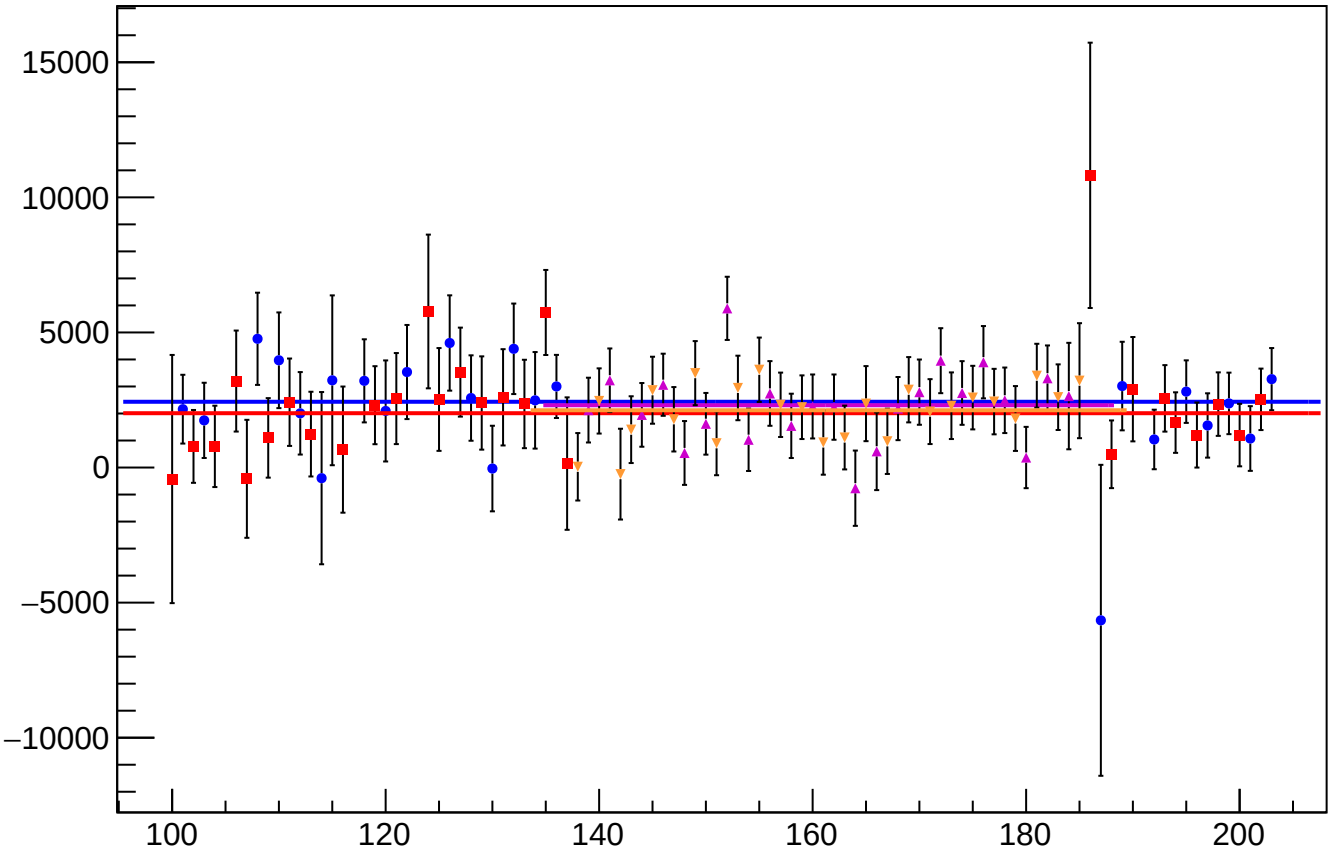
Left: 1497.001+/-0.175 χ^2/NDF: 1769293.4/47

Right: 1952.863+/-0.279 χ^2/NDF: 5556381.1/51

In: 1607.072+/-0.211 χ^2/NDF:4515728.0/46

Out: 1644.782+/-0.209 χ^2/NDF:4709683.4/52

All: 1626.101+/-0.148 χ^2/NDF: 9241556.3/99



Right In: 2434.303+/-303.068 χ^2/NDF: 16.3/23

Left Out: 2119.973+/-247.544 χ^2/NDF:15.1/24

Right Out: 2010.934+/-294.847 χ^2/NDF: 20.1/27

Left In: 2305.411+/-254.497 χ^2/NDF:28.5/22

Left: 2210.124+/-177.447 χ^2/NDF: 43.9/47

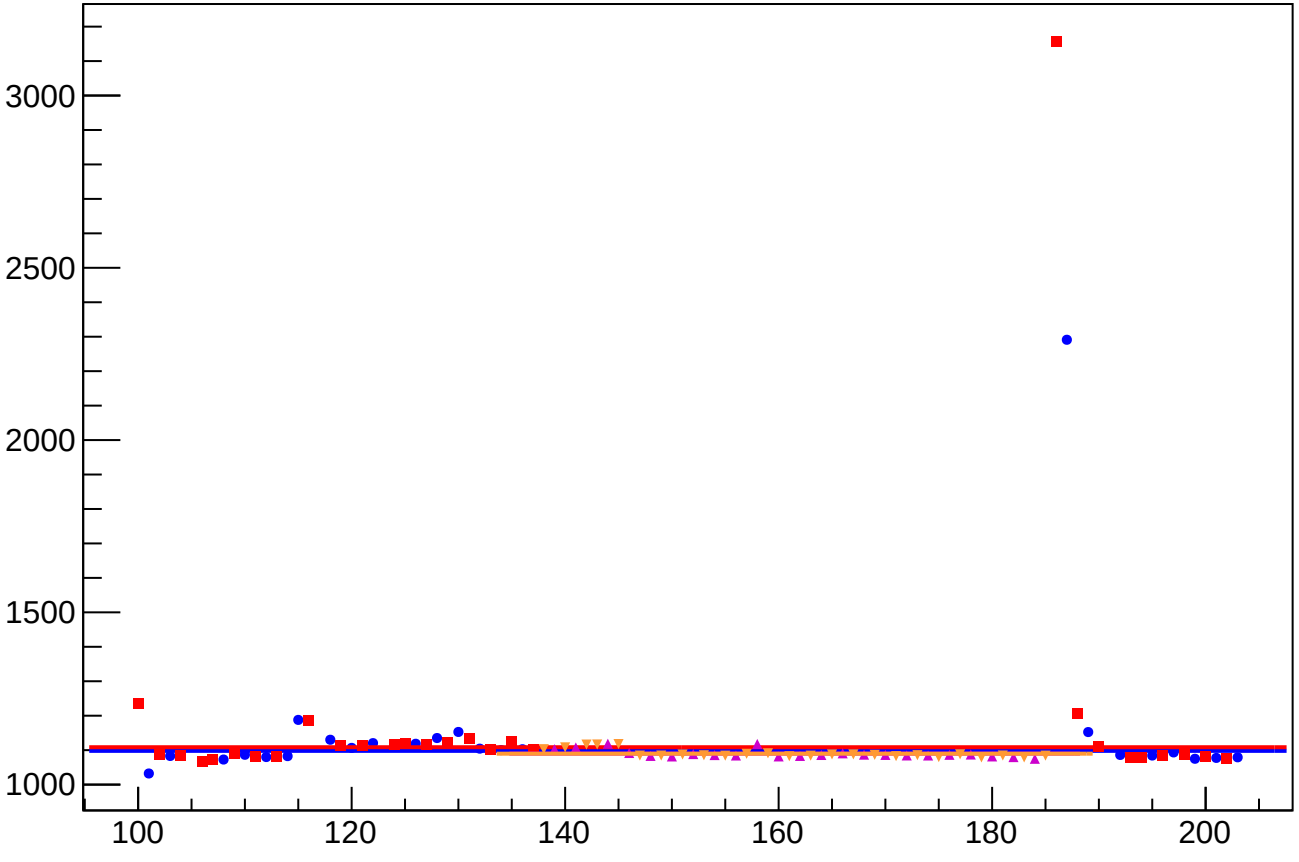
Right: 2216.798+/-211.335 χ^2/NDF: 37.3/51

In: 2358.714+/-194.895 χ^2/NDF:44.8/46

Out: 2074.891+/-189.586 χ^2/NDF:35.3/52

All: 2212.884+/-135.896 χ^2/NDF: 81.2/99

overload_cor_asym_usr_rms vs Slug, Sign Corrected



Right In: 1097.944+/-0.214 χ^2/NDF: 103789.9/23

Left Out: 1089.744+/-0.175 χ^2/NDF:4057.6/24

Right Out: 1108.483+/-0.208 χ^2/NDF: 375265.9/27

Left In: 1089.964+/-0.180 χ^2/NDF:3896.0/22

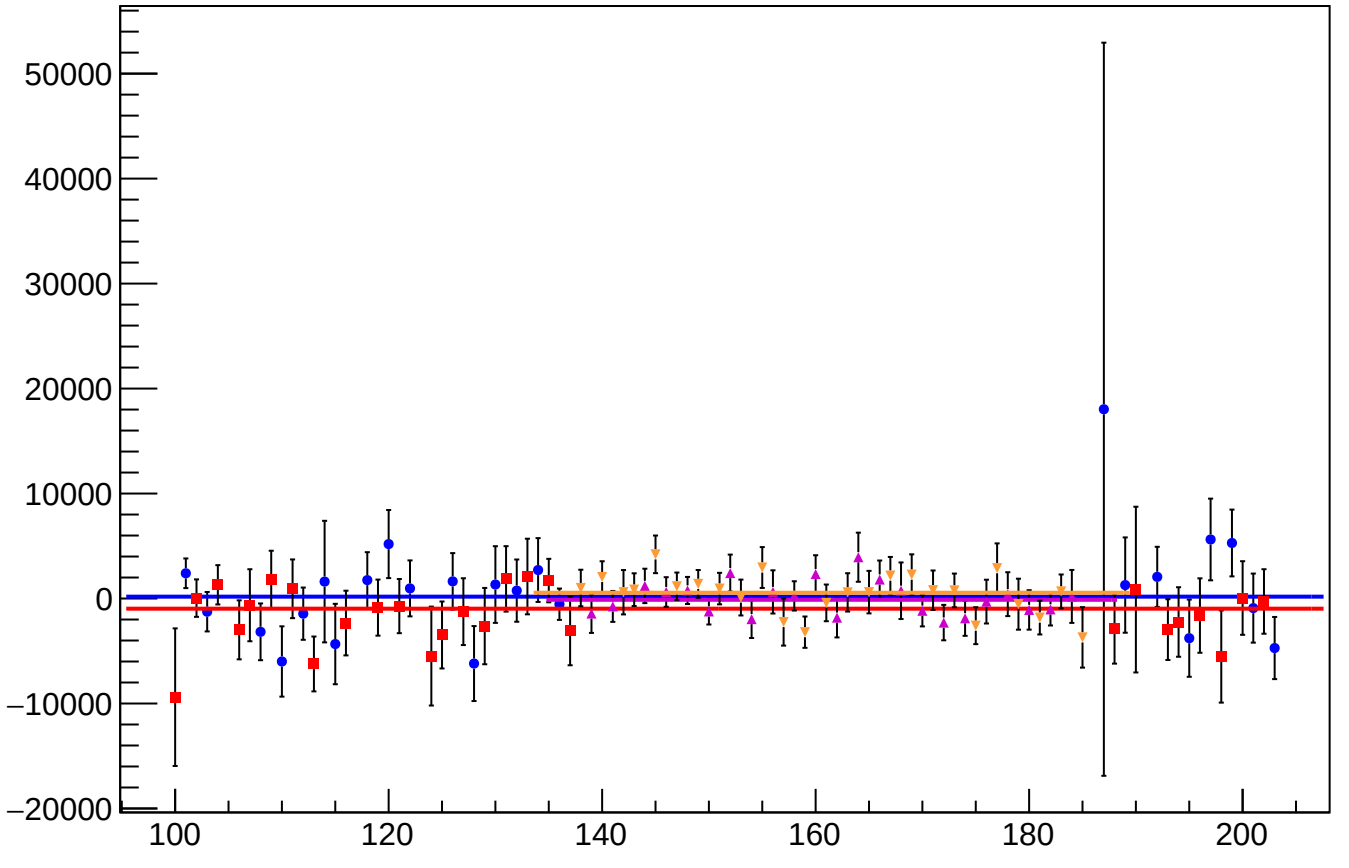
Left: 1089.851+/-0.125 χ^2/NDF: 7954.4/47

Right: 1103.359+/-0.149 χ^2/NDF: 480298.4/51

In: 1093.264+/-0.138 χ^2/NDF:108499.1/46

Out: 1097.492+/-0.134 χ^2/NDF:384062.4/52

All: 1095.436+/-0.096 χ^2/NDF: 493044.9/99



Right In: 178.483+/-556.617 χ^2/NDF: 26.6/23

Left Out: 553.759+/-347.813 χ^2/NDF:26.1/24

Right Out: -966.940+/-568.372 χ^2/NDF: 17.3/26

Left In: -121.420+/-354.540 χ^2/NDF:17.1/22

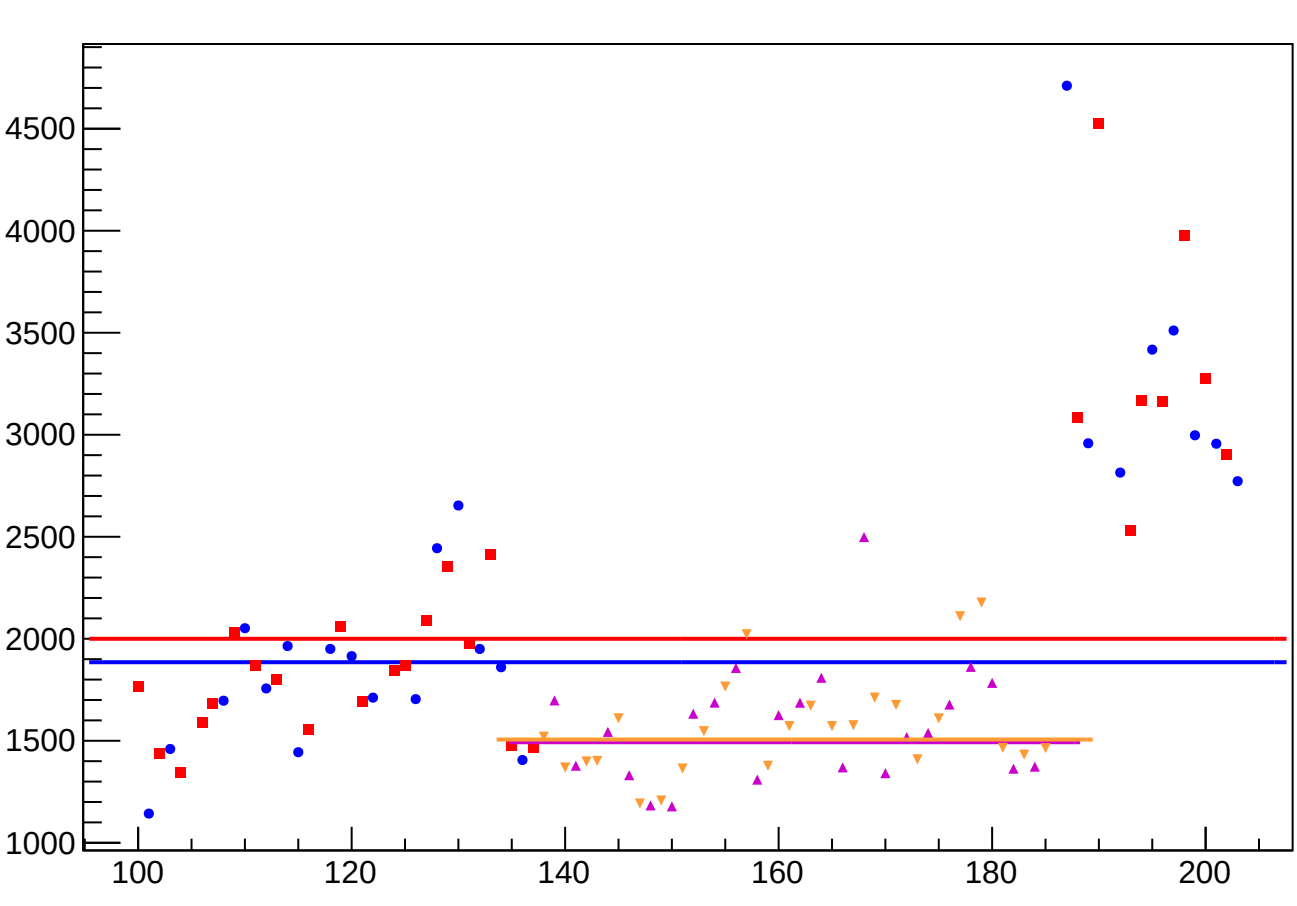
Left: 222.636+/-248.285 χ^2/NDF: 45.1/47

Right: -382.262+/-397.679 χ^2/NDF: 46.0/50

In: -34.863+/-299.032 χ^2/NDF:43.9/46

Out: 139.444+/-296.672 χ^2/NDF:48.7/51

All: 52.981+/-210.608 χ^2/NDF: 92.7/98



Right In: 1885.093+/-0.394 χ^2/NDF: 2734093.1/23

Left Out: 1506.103+/-0.246 χ^2/NDF:796401.8/24

Right Out: 2000.004+/-0.402 χ^2/NDF: 2617449.7/26

Left In: 1492.976+/-0.251 χ^2/NDF:964358.0/22

Left: 1499.665+/-0.176 χ^2/NDF: 1762156.9/47

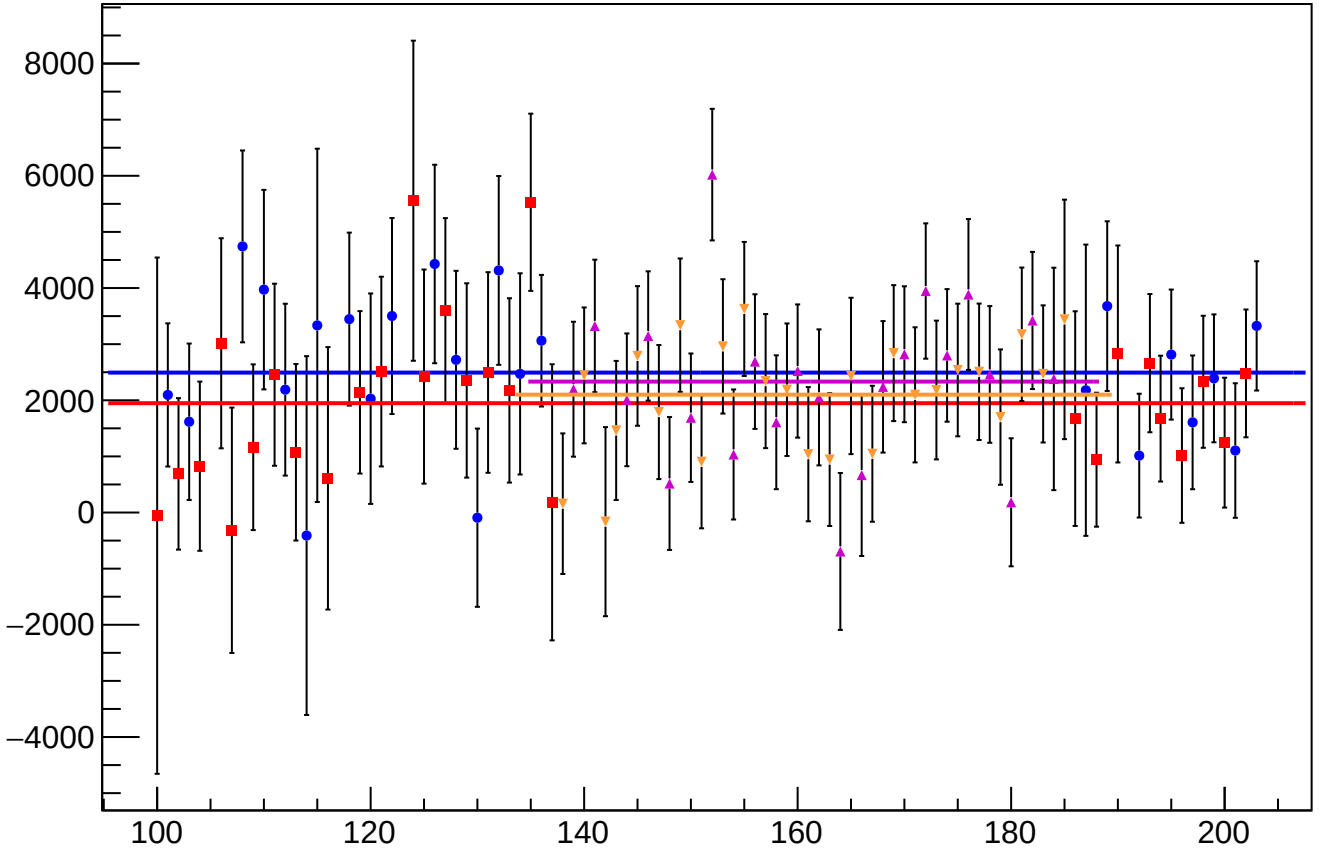
Right: 1941.348+/-0.281 χ^2/NDF: 5393271.9/50

In: 1606.148+/-0.211 χ^2/NDF:4404526.4/46

Out: 1640.667+/-0.210 χ^2/NDF:4512622.8/51

All: 1623.544+/-0.149 χ^2/NDF: 8930580.3/98

eigen_cor_asym_usr_mean vs Slug, Sign Corrected



Right In: 2493.282+/-301.090 χ^2/NDF: 14.8/23

Left Out: 2100.398+/-248.306 χ^2/NDF:13.8/24

Right Out: 1948.400+/-291.509 χ^2/NDF: 15.3/27

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

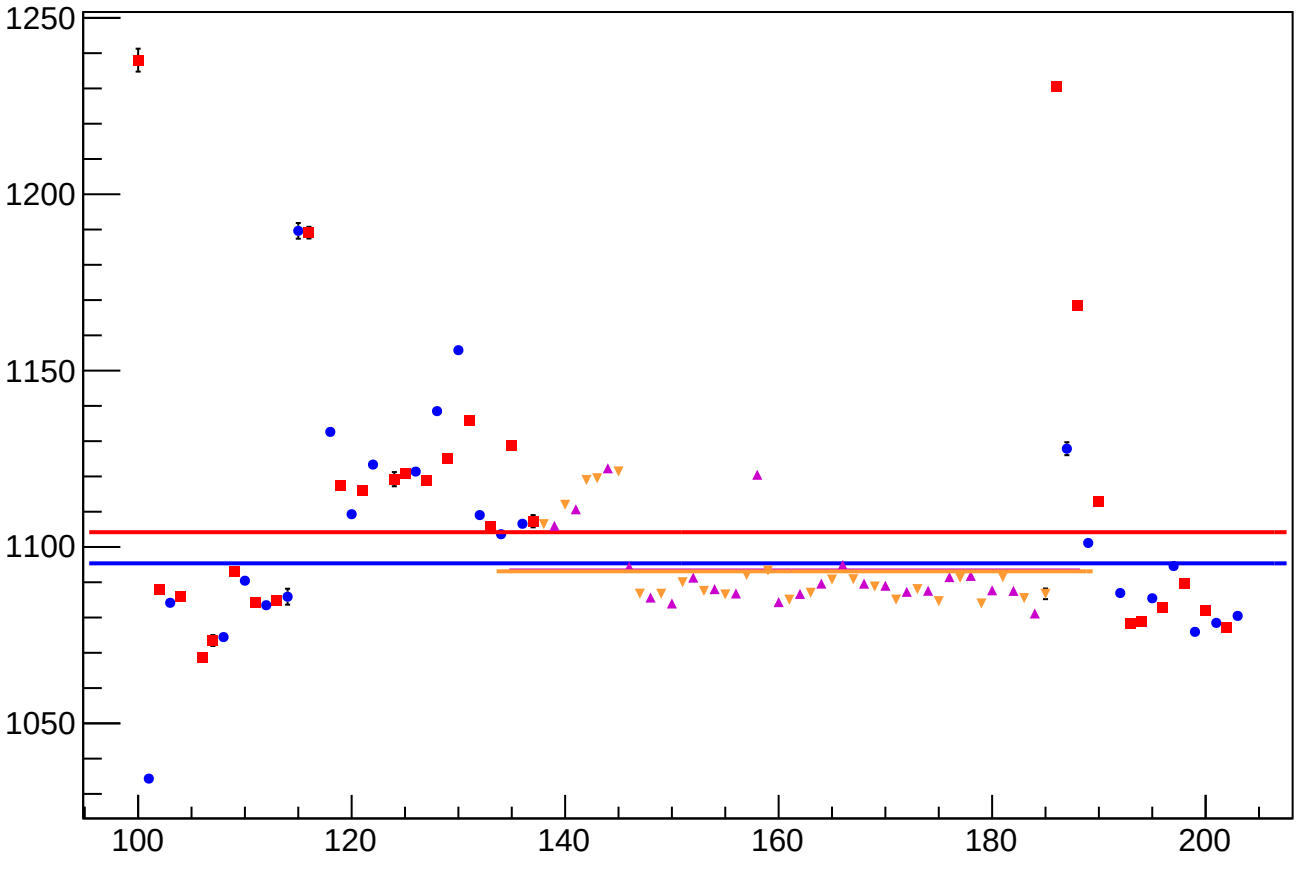
Left: 2213.454+/-177.995 χ^2/NDF: 43.7/47

Right: 2212.033+/-209.433 χ^2/NDF: 31.8/51

In: 2400.007+/-194.716 χ^2/NDF:44.5/46

Out: 2036.486+/-189.027 χ^2/NDF:29.3/52

All: 2212.858+/-135.629 χ^2/NDF: 75.5/99



Right In: 1095.361+/-0.213 χ^2/NDF: 15834.6/23

Left Out: 1093.102+/-0.176 χ^2/NDF:3983.2/24

Right Out: 1104.197+/-0.206 χ^2/NDF: 28054.6/27

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

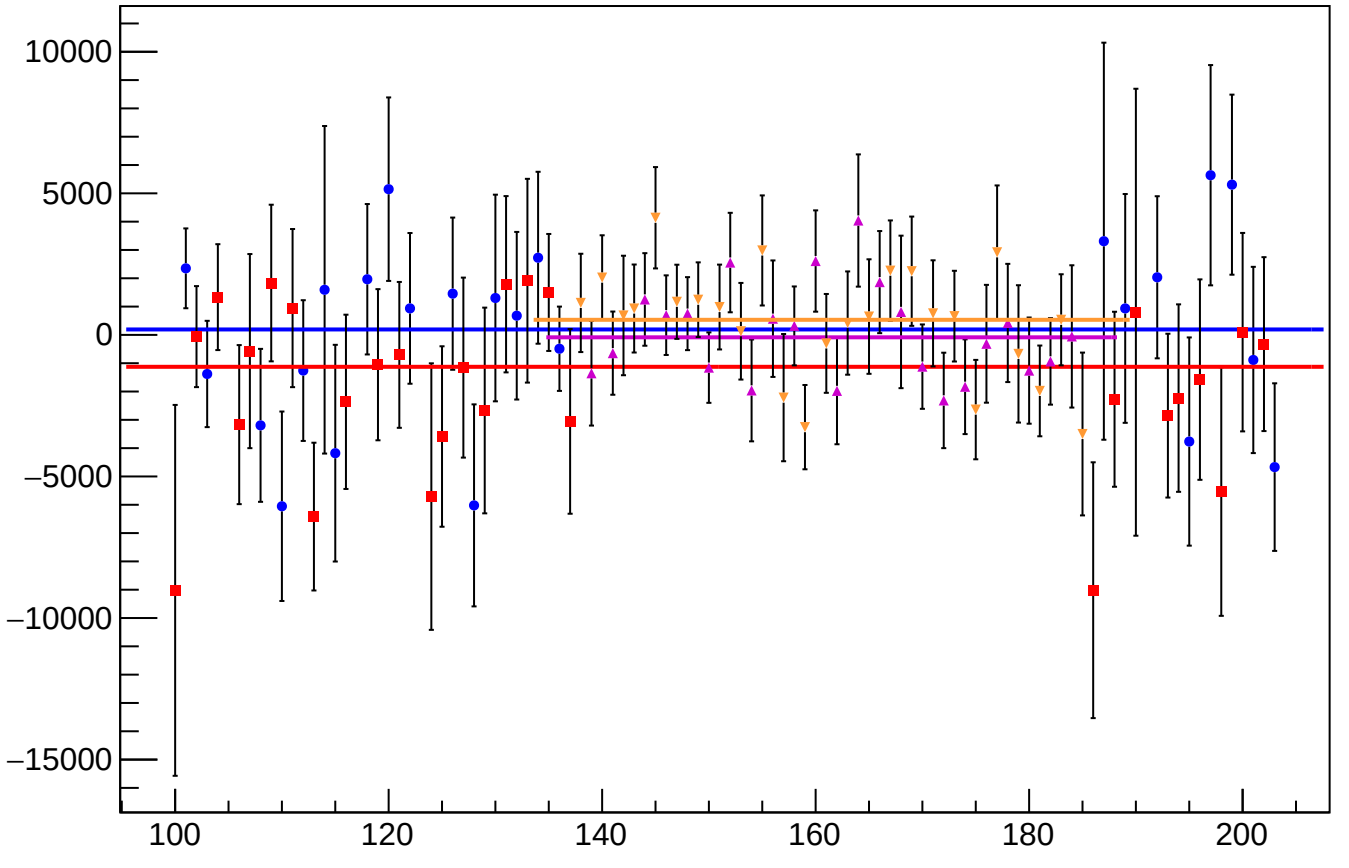
Left: 1093.217+/-0.126 χ^2/NDF: 7709.8/47

Right: 1099.922+/-0.148 χ^2/NDF: 44778.2/51

In: 1094.184+/-0.138 χ^2/NDF:19612.8/46

Out: 1097.767+/-0.134 χ^2/NDF:33716.6/52

All: 1096.029+/-0.096 χ^2/NDF: 53678.0/99



Right In: 192.250+/-553.287 χ^2/NDF: 26.1/23

Left Out: 532.982+/-347.223 χ^2/NDF:26.4/24

Right Out: -1126.993+/-562.161 χ^2/NDF: 20.3/27

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

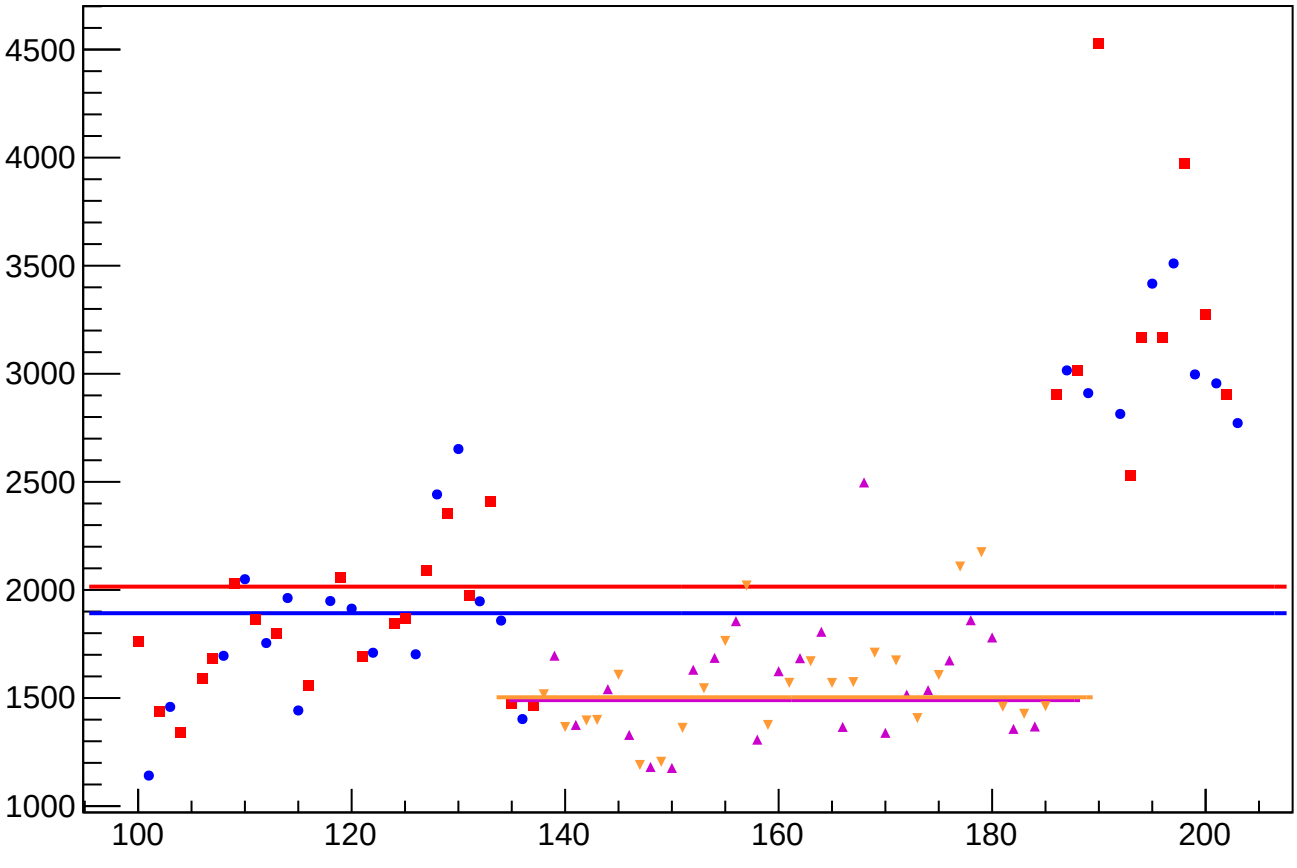
Left: 229.744+/-247.862 χ^2/NDF: 46.1/47

Right: -456.876+/-394.333 χ^2/NDF: 49.2/51

In: -4.725+/-298.150 χ^2/NDF:44.3/46

Out: 74.582+/-295.415 χ^2/NDF:53.1/52

All: 35.294+/-209.850 χ^2/NDF: 97.4/99



Right In: 1892.399+/-0.391 χ^2/NDF: 2797974.0/23

Left Out: 1503.437+/-0.246 χ^2/NDF:799670.9/24

Right Out: 2015.282+/-0.398 χ^2/NDF: 2709865.4/27

Left In: 1490.314+/-0.250 χ^2/NDF:968221.5/22

Left: 1497.001+/-0.175 χ^2/NDF: 1769293.4/47

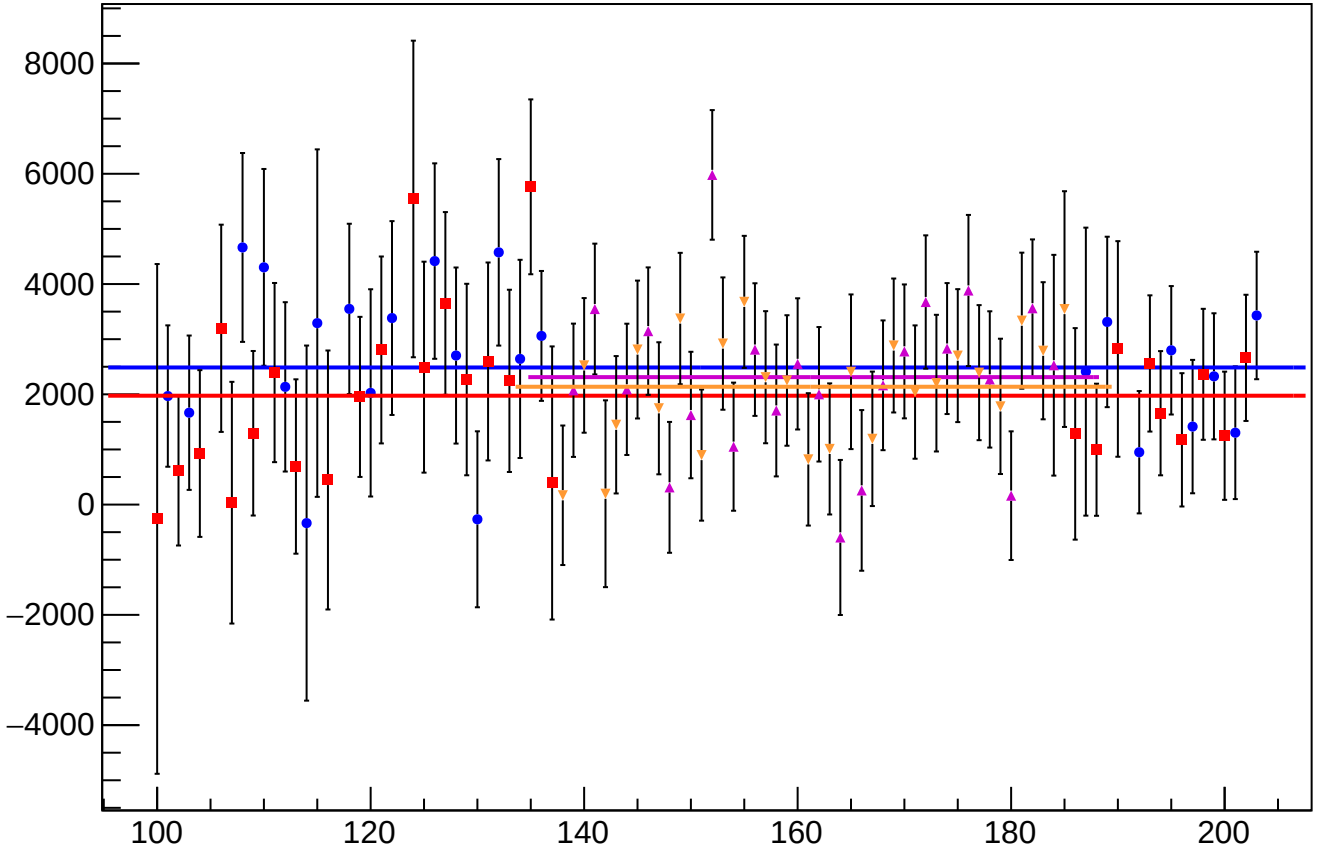
Right: 1952.863+/-0.279 χ^2/NDF: 5556381.1/51

In: 1607.072+/-0.211 χ^2/NDF:4515728.0/46

Out: 1644.782+/-0.209 χ^2/NDF:4709683.4/52

All: 1626.101+/-0.148 χ^2/NDF: 9241556.3/99

dit_asym_usr_mean vs Slug, Sign Corrected



Right In: 2486.977+/-302.824 χ^2/NDF: 15.5/23

Left Out: 2137.184+/-250.195 χ^2/NDF:13.9/24

Right Out: 1974.624+/-292.988 χ^2/NDF: 16.0/27

Left In: 2311.761+/-257.036 χ^2/NDF:29.9/22

Left: 2222.119+/-179.284 χ^2/NDF: 44.1/47

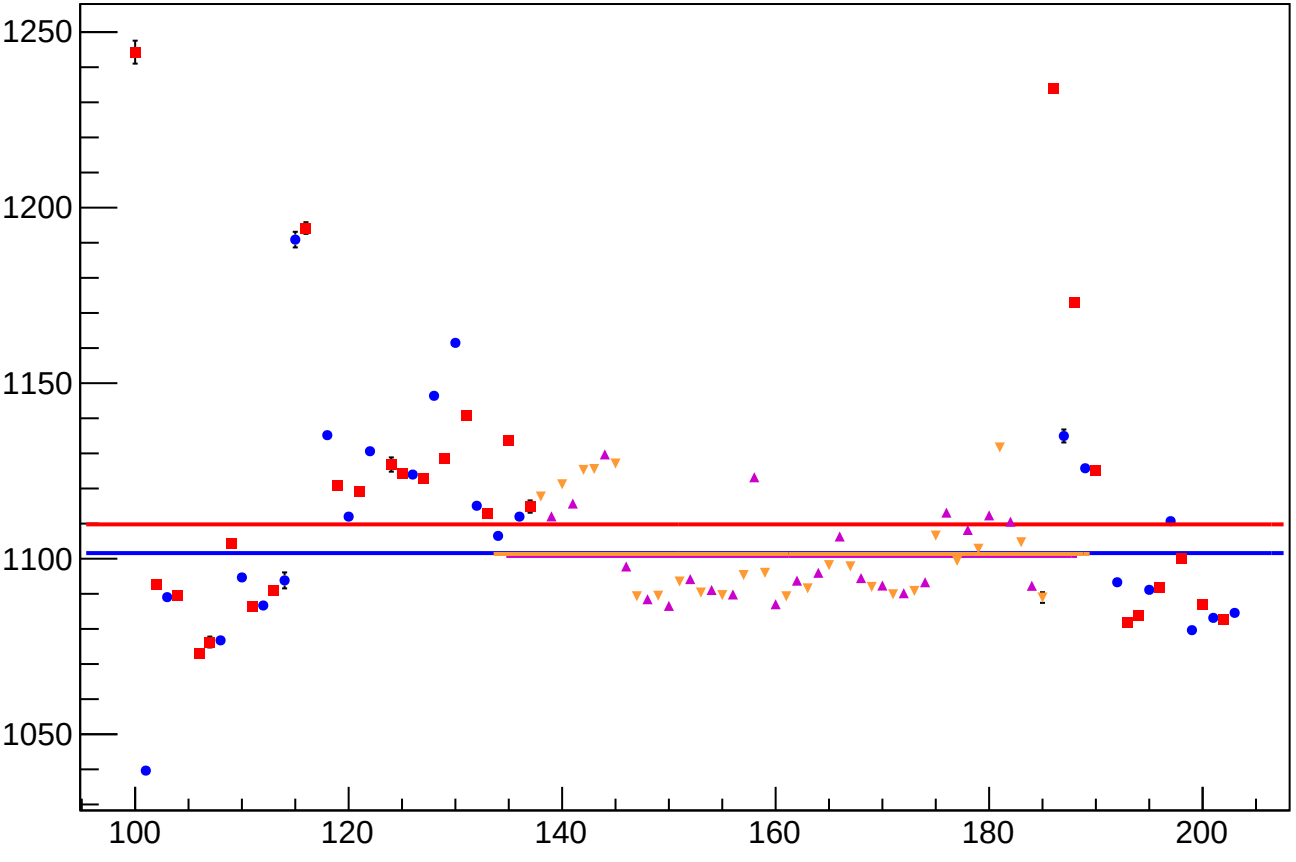
Right: 2222.345+/-210.565 χ^2/NDF: 33.0/51

In: 2385.134+/-195.962 χ^2/NDF:45.6/46

Out: 2068.632+/-190.263 χ^2/NDF:30.2/52

All: 2222.214+/-136.506 χ^2/NDF: 77.1/99

dit_asym_usr_rms vs Slug, Sign Corrected



Right In: 1101.601+/-0.214 χ^2/NDF: 16490.3/23

Left Out: 1101.353+/-0.177 χ^2/NDF:5950.6/24

Right Out: 1109.780+/-0.207 χ^2/NDF: 27344.7/27

Left In: 1100.792+/-0.182 χ^2/NDF:4641.7/22

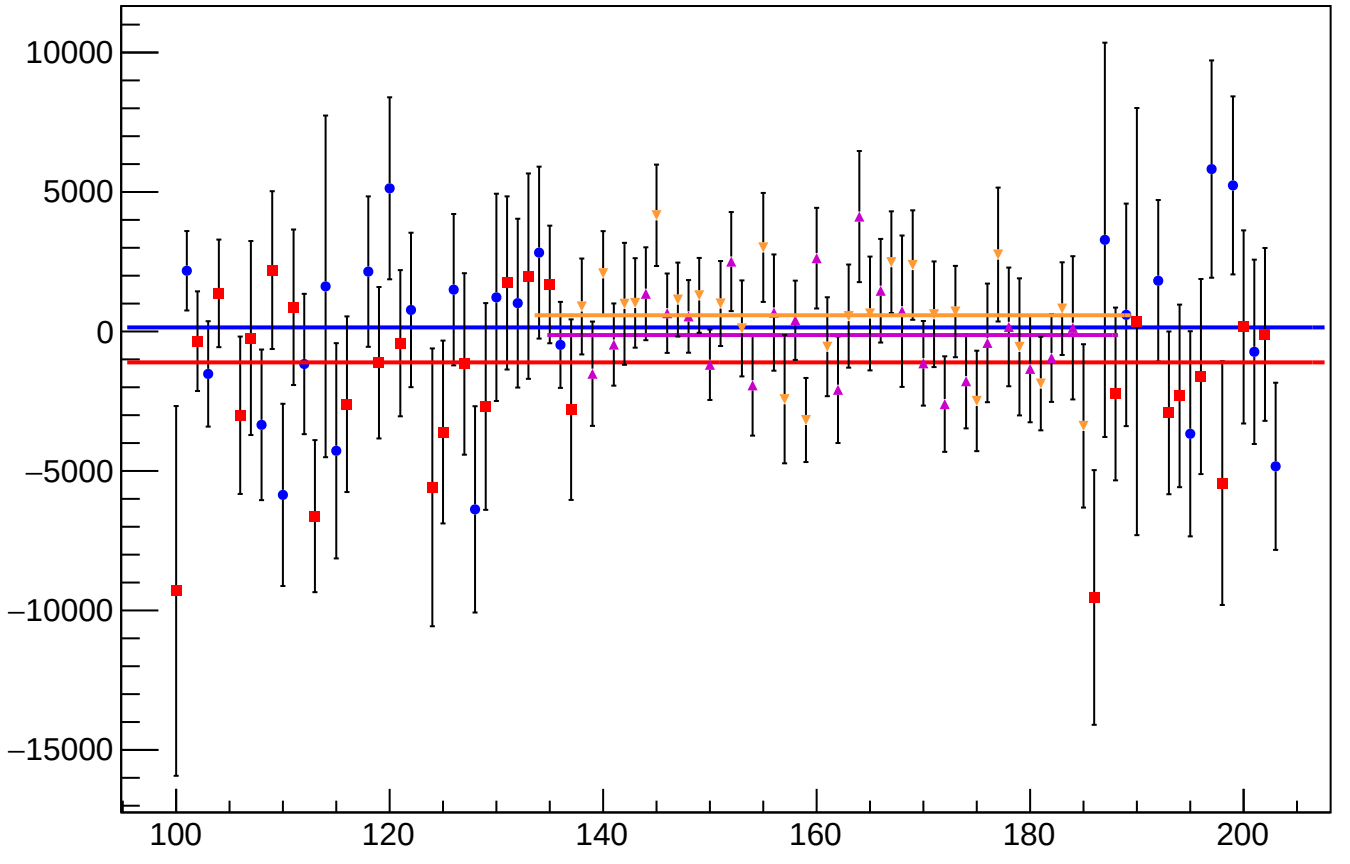
Left: 1101.080+/-0.127 χ^2/NDF: 10597.2/47

Right: 1105.825+/-0.149 χ^2/NDF: 44588.7/51

In: 1101.131+/-0.139 χ^2/NDF:21140.3/46

Out: 1104.907+/-0.135 χ^2/NDF:34252.1/52

All: 1103.075+/-0.097 χ^2/NDF: 55774.7/99



Right In: 145.669+/-560.908 χ^2/NDF: 26.0/23

Left Out: 581.427+/-353.389 χ^2/NDF:25.4/24

Right Out: -1107.578+/-569.336 χ^2/NDF: 20.6/27

Left In: -128.769+/-359.128 χ^2/NDF:17.9/22

Left: 232.050+/-251.888 χ^2/NDF: 45.2/47

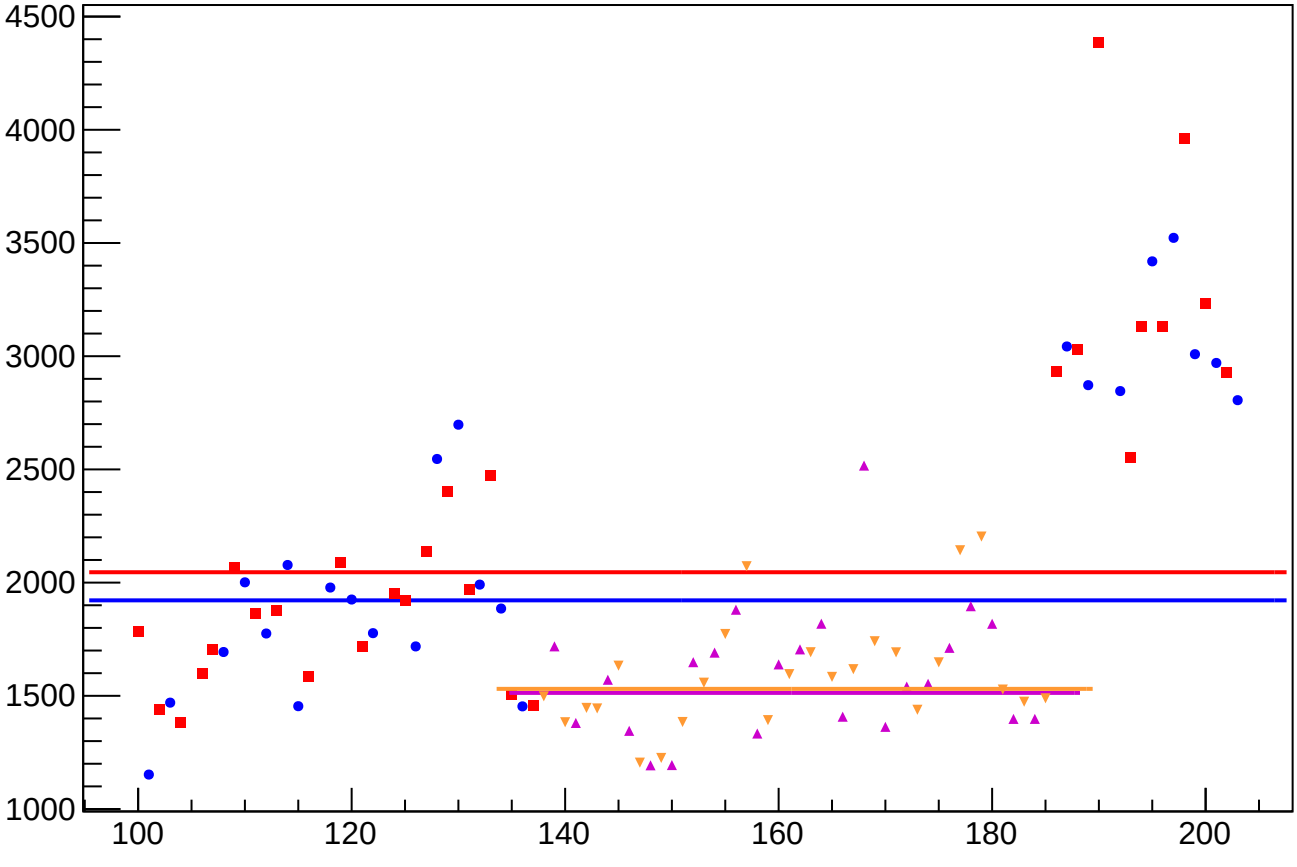
Right: -471.610+/-399.568 χ^2/NDF: 49.1/51

In: -48.977+/-302.448 χ^2/NDF:44.0/46

Out: 111.680+/-300.251 χ^2/NDF:52.3/52

All: 31.937+/-213.082 χ^2/NDF: 96.5/99

asym_usr_dit_correction_rms vs Slug, Sign Corrected



Right In: 1921.656+/-0.397 χ^2/NDF: 2744362.7/23

Left Out: 1530.764+/-0.250 χ^2/NDF:795634.5/24

Right Out: 2045.854+/-0.403 χ^2/NDF: 2599351.5/27

Left In: 1512.947+/-0.254 χ^2/NDF:957059.5/22

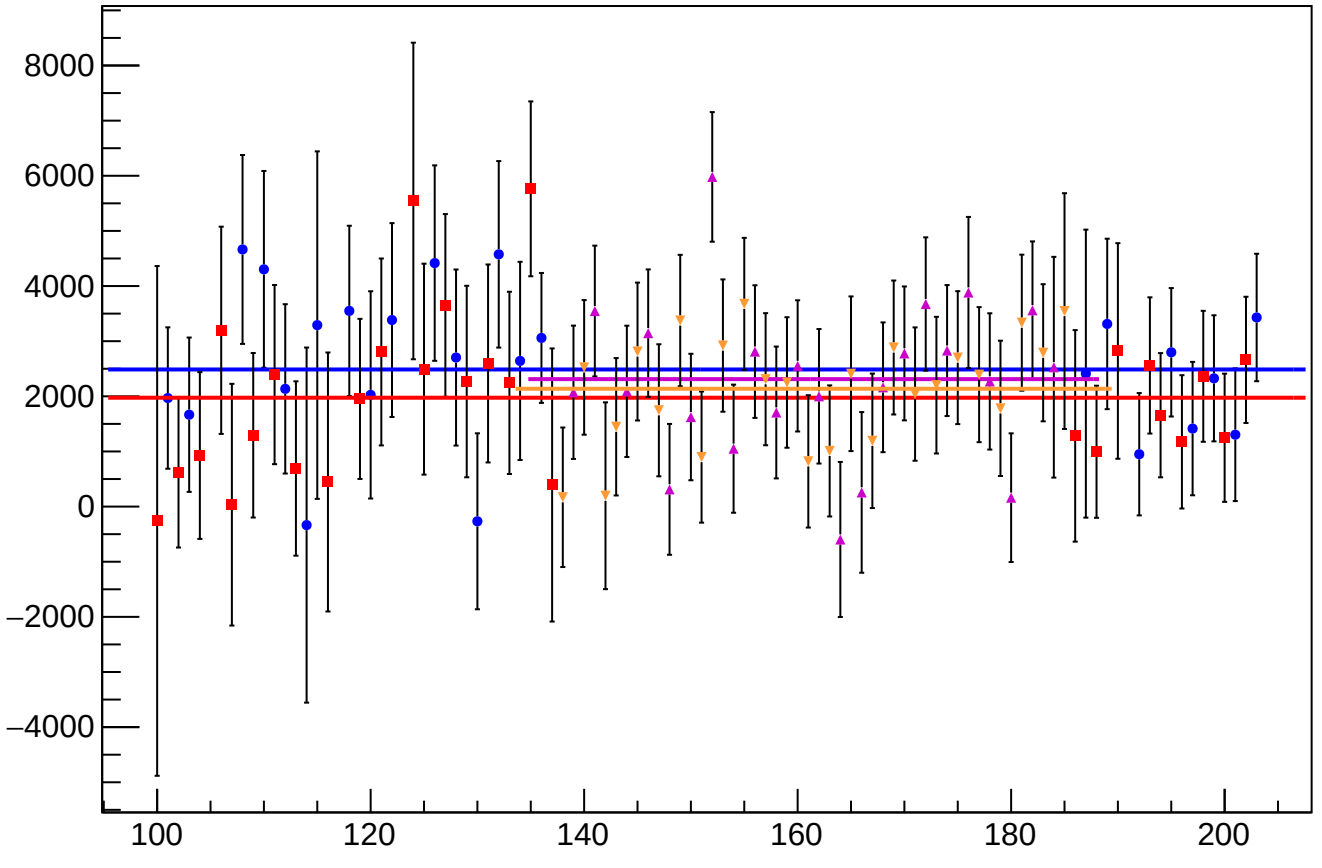
Left: 1521.999+/-0.178 χ^2/NDF: 1755195.1/47

Right: 1982.829+/-0.283 χ^2/NDF: 5392011.1/51

In: 1631.778+/-0.214 χ^2/NDF:4454562.3/46

Out: 1674.021+/-0.212 χ^2/NDF:4576729.6/52

All: 1653.054+/-0.151 χ^2/NDF: 9050942.0/99



Right In: 2486.975+/-302.824 χ^2/NDF: 15.5/23

Left Out: 2137.182+/-250.195 χ^2/NDF:13.9/24

Right Out: 1974.622+/-292.988 χ^2/NDF: 16.0/27

Left In: 2311.761+/-257.036 χ^2/NDF:29.9/22

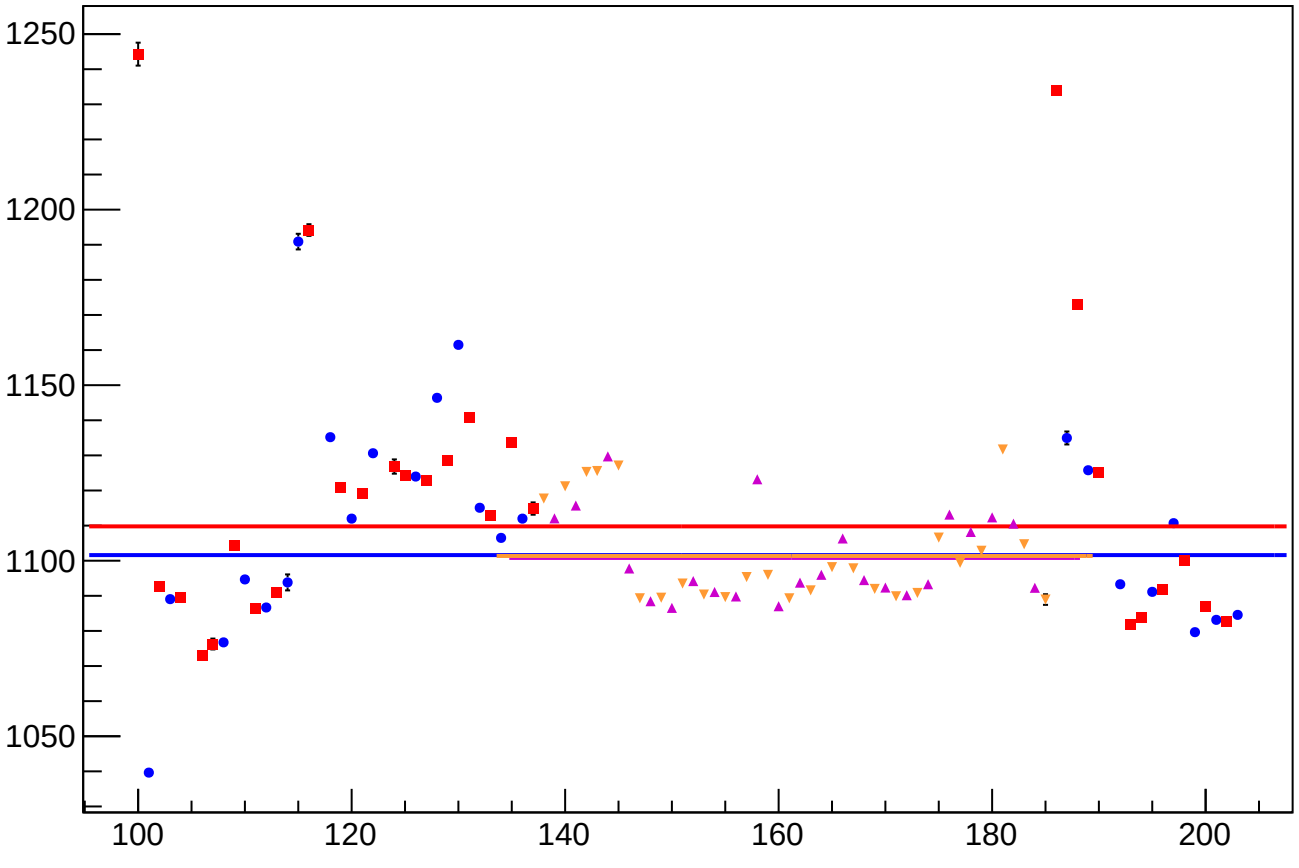
Left: 2222.118+/-179.284 χ^2/NDF: 44.1/47

Right: 2222.343+/-210.565 χ^2/NDF: 33.0/51

In: 2385.133+/-195.962 χ^2/NDF:45.6/46

Out: 2068.630+/-190.263 χ^2/NDF:30.2/52

All: 2222.212+/-136.506 χ^2/NDF: 77.1/99



Right In: 1101.601+/-0.214 χ^2/NDF: 16490.2/23

Left Out: 1101.353+/-0.177 χ^2/NDF:5950.6/24

Right Out: 1109.780+/-0.207 χ^2/NDF: 27344.7/27

Left In: 1100.792+/-0.182 χ^2/NDF:4641.7/22

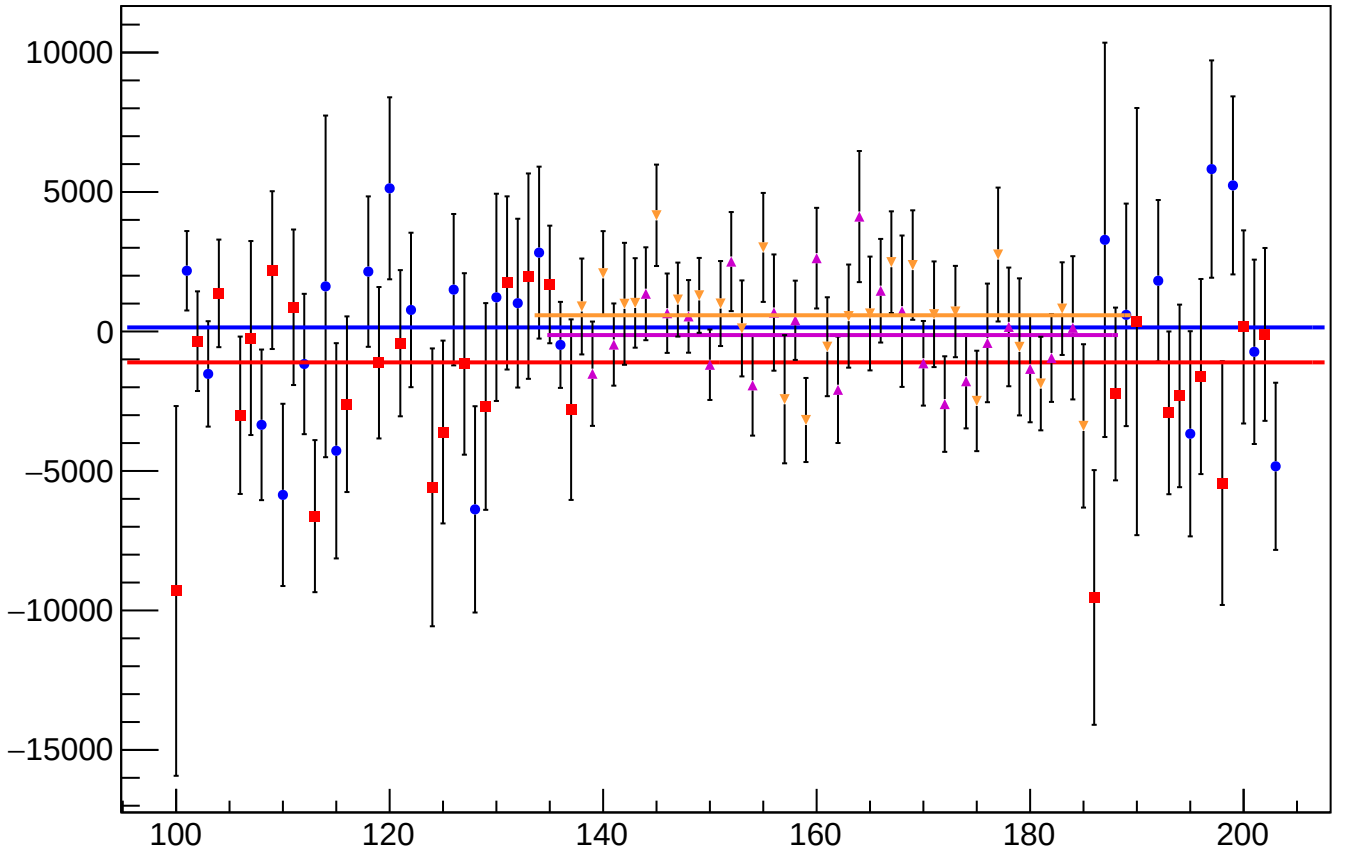
Left: 1101.081+/-0.127 χ^2/NDF: 10597.2/47

Right: 1105.825+/-0.149 χ^2/NDF: 44588.6/51

In: 1101.131+/-0.139 χ^2/NDF:21140.2/46

Out: 1104.907+/-0.135 χ^2/NDF:34252.0/52

All: 1103.075+/-0.097 χ^2/NDF: 55774.5/99



Right In: 145.666+/-560.908 χ^2/NDF: 26.0/23

Left Out: 581.426+/-353.390 χ^2/NDF:25.4/24

Right Out: -1107.580+/-569.335 χ^2/NDF: 20.6/27

Left In: -128.769+/-359.129 χ^2/NDF:17.9/22

Left: 232.049+/-251.889 χ^2/NDF: 45.2/47

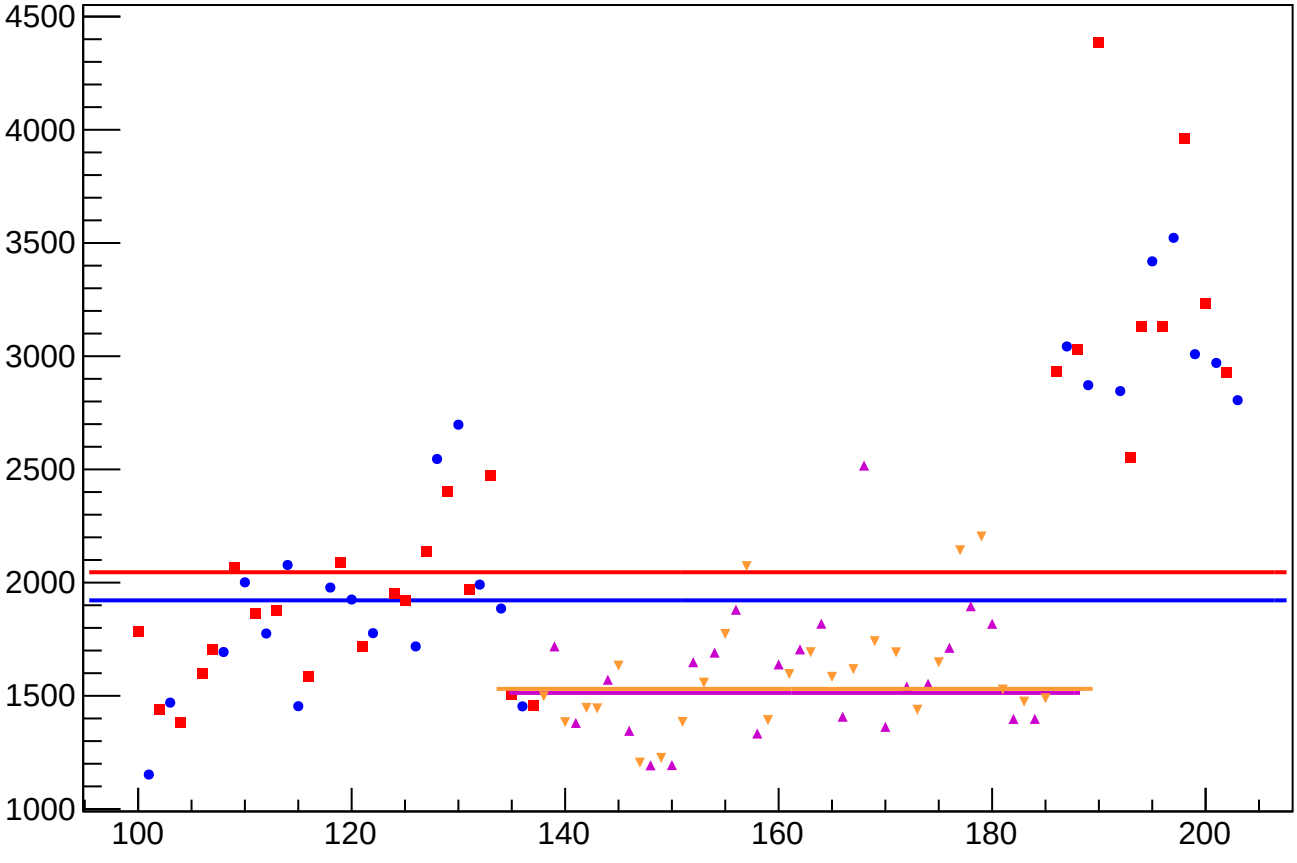
Right: -471.613+/-399.568 χ^2/NDF: 49.1/51

In: -48.978+/-302.448 χ^2/NDF:44.0/46

Out: 111.676+/-300.252 χ^2/NDF:52.3/52

All: 31.935+/-213.082 χ^2/NDF: 96.5/99

asym_usr_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 1921.654+/-0.397 χ^2/NDF: 2744362.4/23

Left Out: 1530.768+/-0.250 χ^2/NDF:795638.4/24

Right Out: 2045.852+/-0.403 χ^2/NDF: 2599345.5/27

Left In: 1512.951+/-0.254 χ^2/NDF:957065.2/22

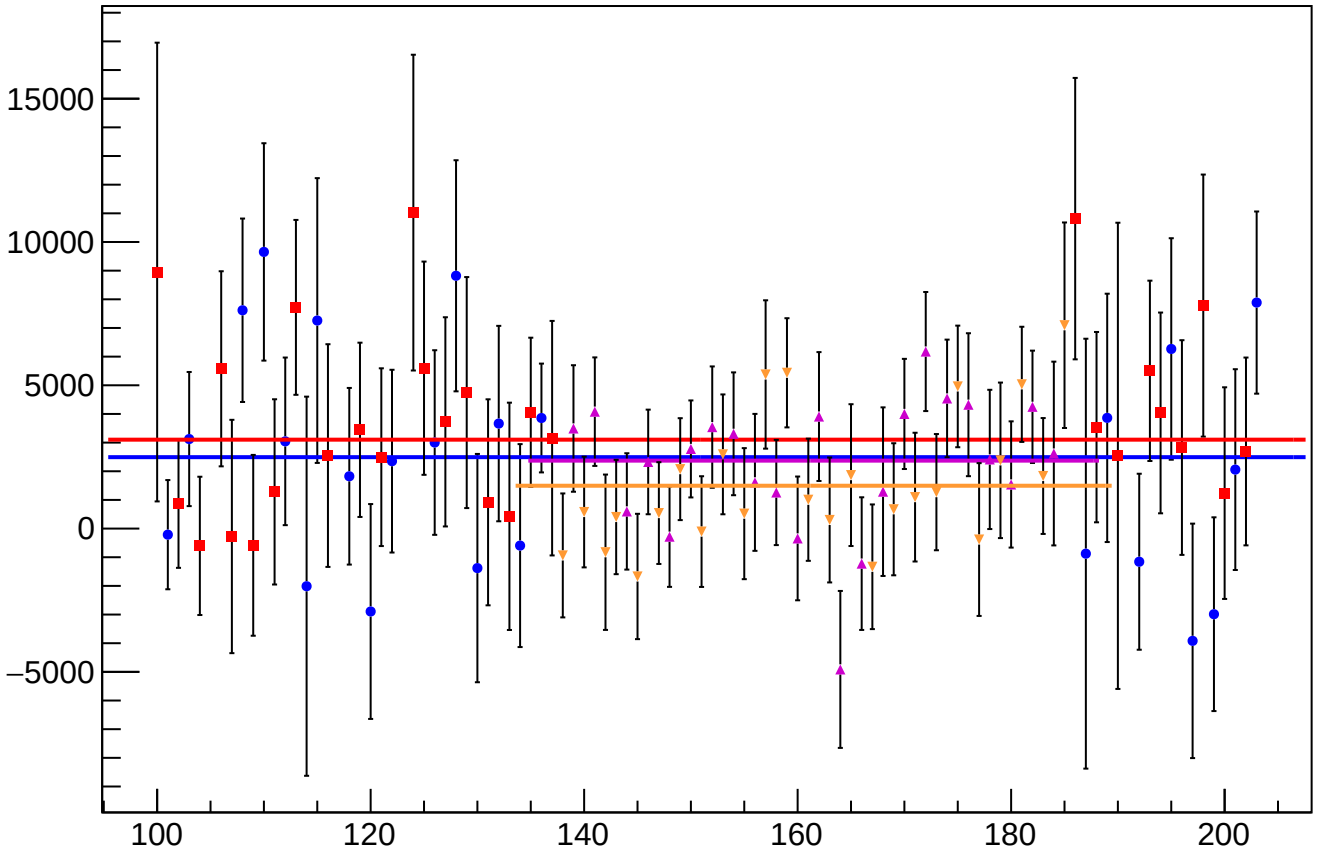
Left: 1522.003+/-0.178 χ^2/NDF: 1755204.7/47

Right: 1982.827+/-0.283 χ^2/NDF: 5392005.4/51

In: 1631.781+/-0.214 χ^2/NDF:4454546.0/46

Out: 1674.024+/-0.212 χ^2/NDF:4576701.7/52

All: 1653.057+/-0.151 χ^2/NDF: 9050898.2/99



Right In: 2491.931+/-657.045 χ^2/NDF: 27.2/23

Left Out: 1495.022+/-433.196 χ^2/NDF:23.8/24

Right Out: 3102.367+/-656.422 χ^2/NDF: 17.3/27

Left In: 2370.694+/-442.952 χ^2/NDF:23.7/22

Left: 1923.108+/-309.708 χ^2/NDF: 49.5/47

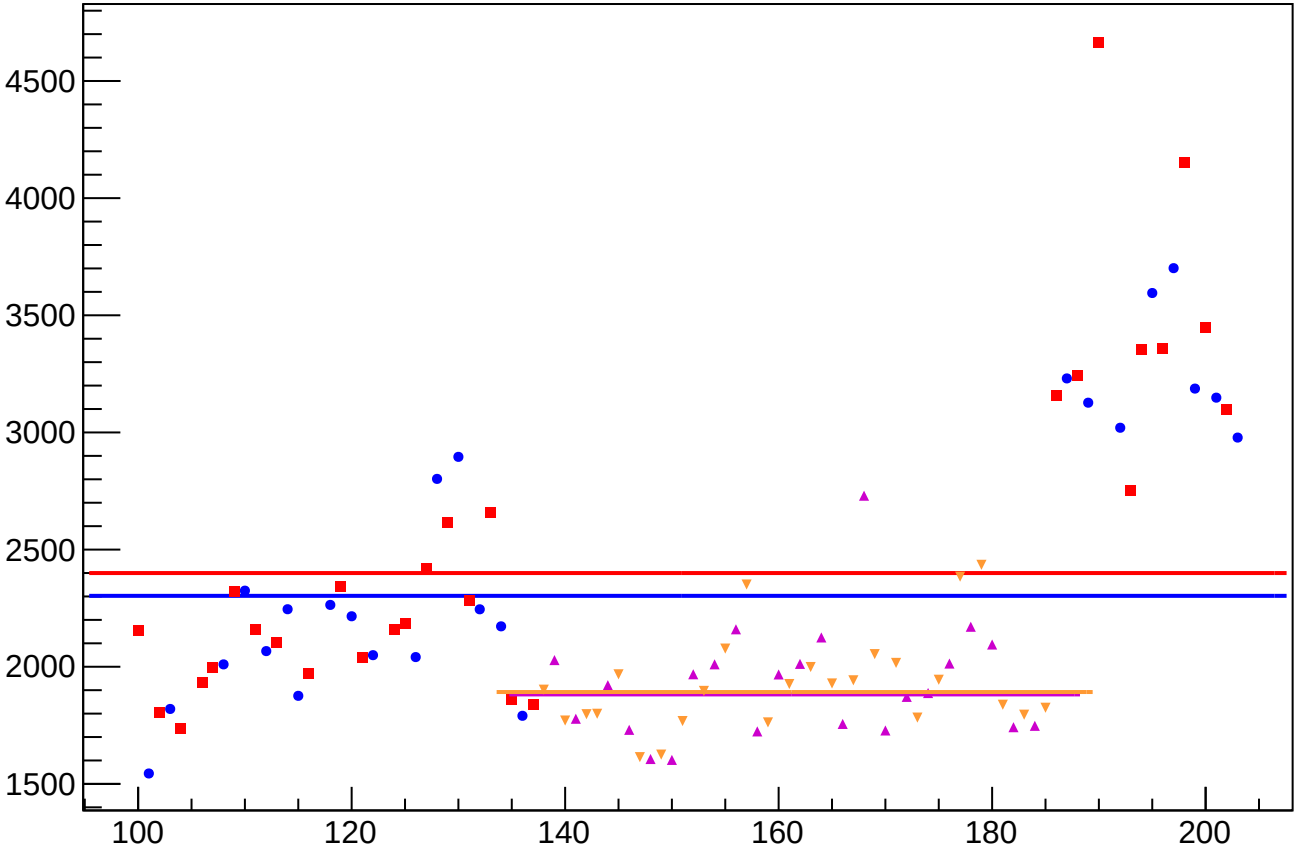
Right: 2797.438+/-464.380 χ^2/NDF: 44.9/51

In: 2408.577+/-367.284 χ^2/NDF:50.9/46

Out: 1982.667+/-361.560 χ^2/NDF:45.2/52

All: 2192.278+/-257.661 χ^2/NDF: 96.9/99

asym_usr_rms vs Slug, Sign Corrected



Right In: 2302.622+/-0.465 χ^2/NDF: 1711033.5/23

Left Out: 1892.117+/-0.306 χ^2/NDF:389648.0/24

Right Out: 2399.895+/-0.464 χ^2/NDF: 1768056.7/27

Left In: 1881.892+/-0.313 χ^2/NDF:462659.6/22

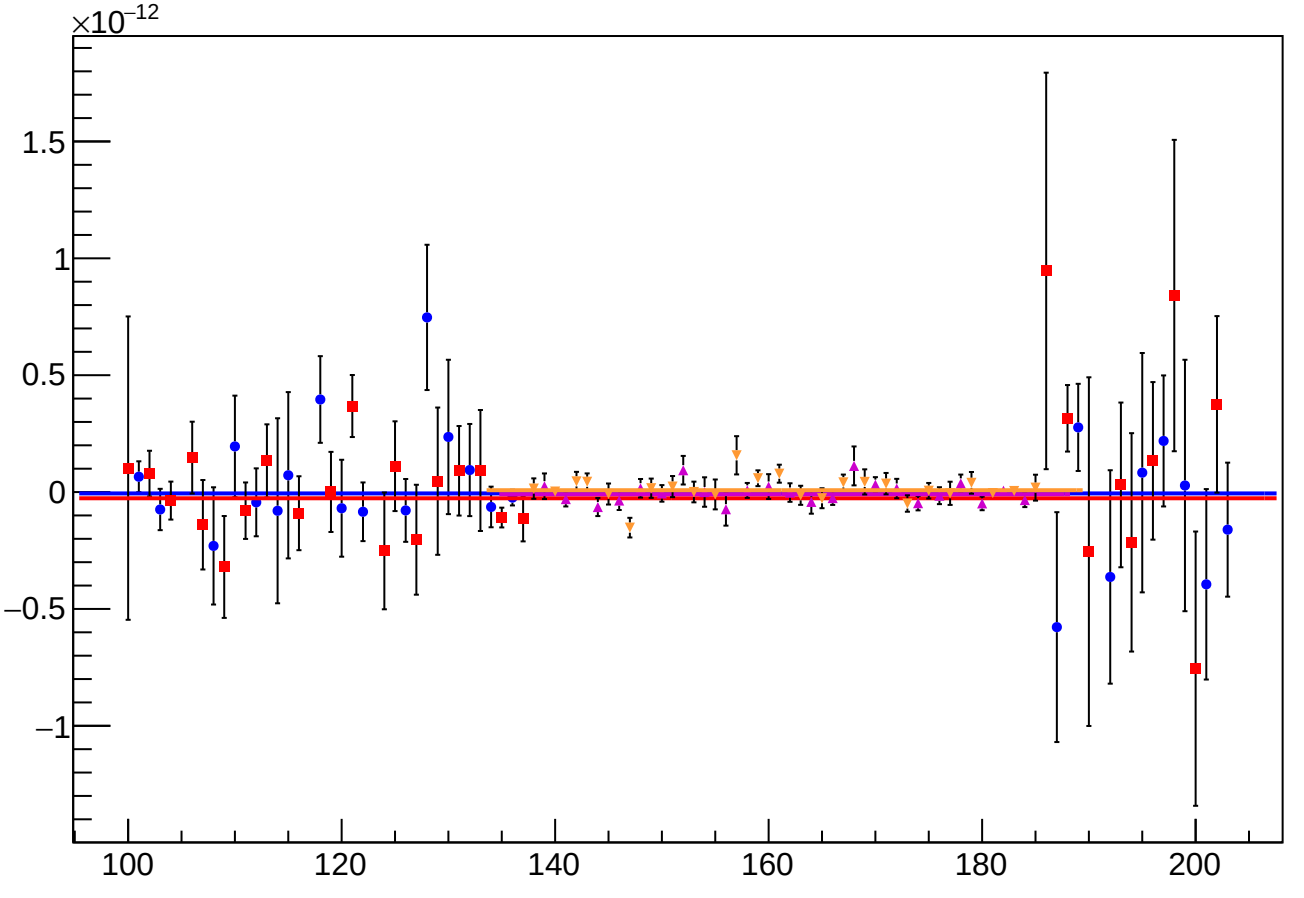
Left: 1887.118+/-0.219 χ^2/NDF: 852852.3/47

Right: 2351.305+/-0.328 χ^2/NDF: 3501028.8/51

In: 2013.359+/-0.260 χ^2/NDF:2737509.7/46

Out: 2046.169+/-0.256 χ^2/NDF:2991395.2/52

All: 2030.022+/-0.182 χ^2/NDF: 5737010.5/99



Right In: -0.000+/-0.000 χ^2/NDF: 22.6/23

Left Out: 0.000+/-0.000 χ^2/NDF:32.4/24

Right Out: -0.000+/-0.000 χ^2/NDF: 34.1/27

Left In: -0.000+/-0.000 χ^2/NDF:19.1/22

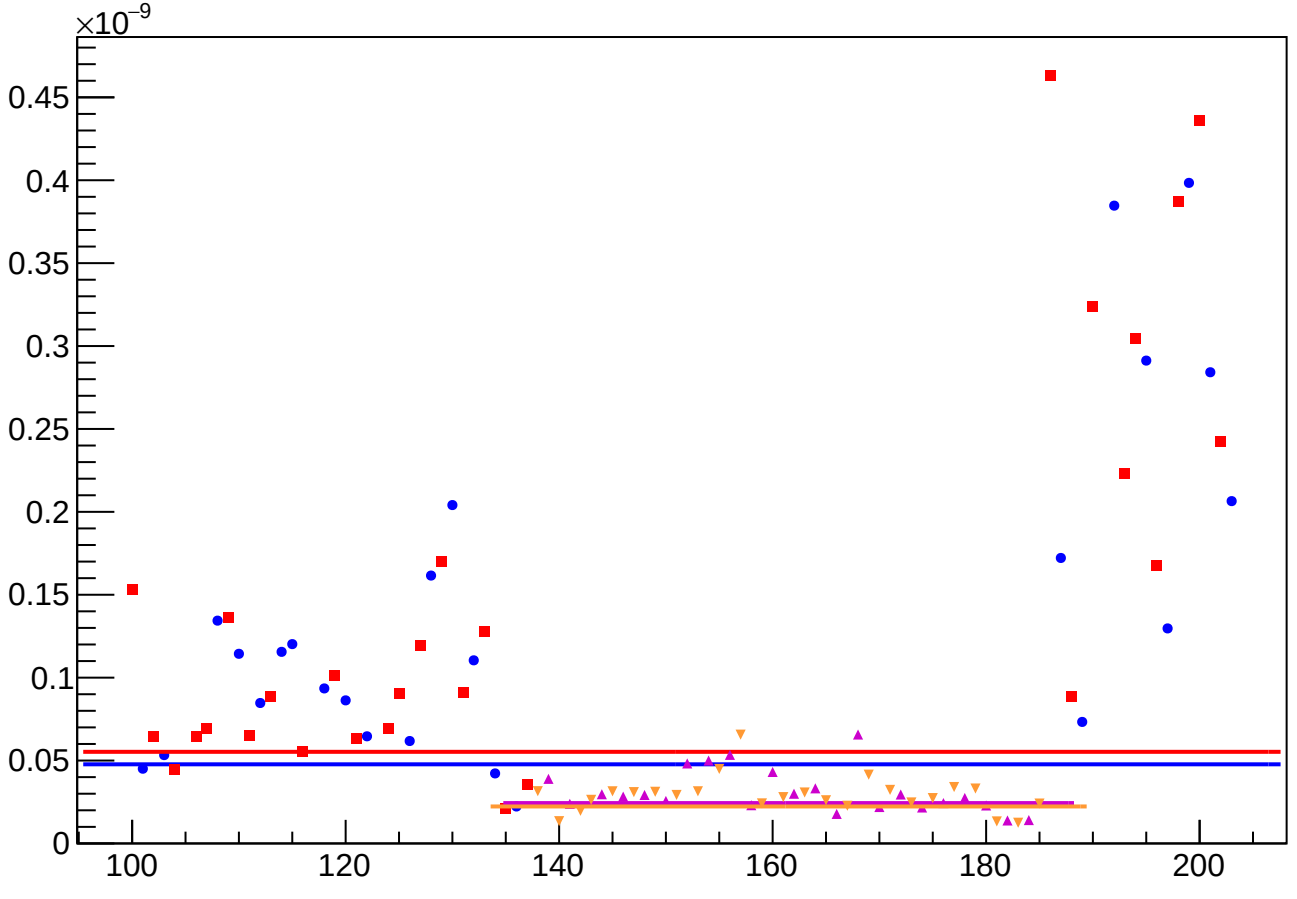
Left: 0.000+/-0.000 χ^2/NDF: 54.2/47

Right: -0.000+/-0.000 χ^2/NDF: 57.0/51

In: -0.000+/-0.000 χ^2/NDF:41.7/46

Out: 0.000+/-0.000 χ^2/NDF:68.1/52

All: -0.000+/-0.000 χ^2/NDF: 112.0/99



Right In: 0.000+/-0.000 χ^2/NDF: 7053482.3/23

Left Out: 0.000+/-0.000 χ^2/NDF:3629538.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 6642640.8/27

Left In: 0.000+/-0.000 χ^2/NDF:3124271.4/22

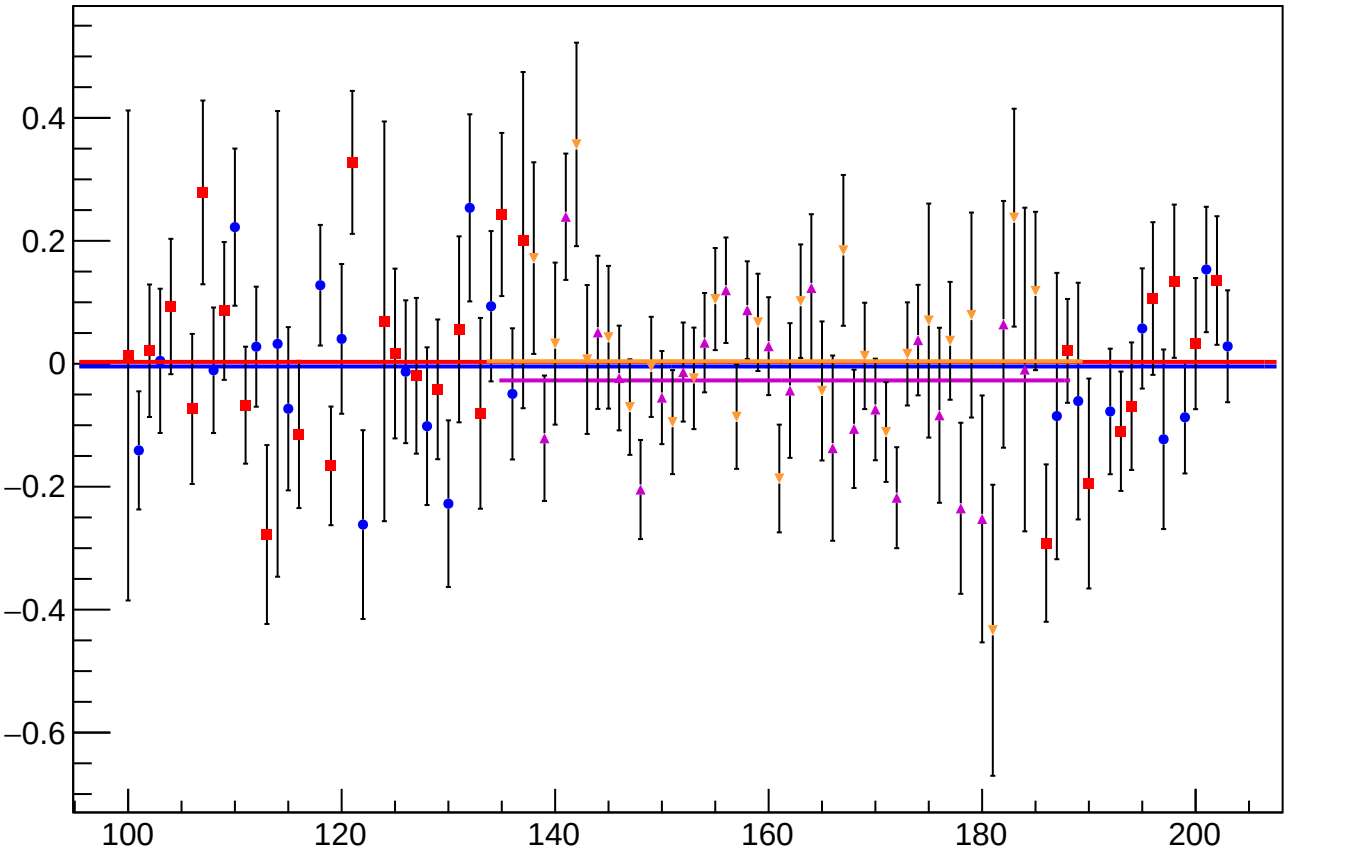
Left: 0.000+/-0.000 χ^2/NDF: 6833582.6/47

Right: 0.000+/-0.000 χ^2/NDF: 13786855.5/51

In: 0.000+/-0.000 χ^2/NDF:11939225.2/46

Out: 0.000+/-0.000 χ^2/NDF:13231295.6/52

All: 0.000+/-0.000 χ^2/NDF: 25257040.2/99



Right In: -0.004+/-0.024 χ^2/NDF: 22.4/23

Left Out: 0.004+/-0.020 χ^2/NDF:28.2/24

Right Out: 0.003+/-0.023 χ^2/NDF: 37.6/27

Left In: -0.027+/-0.021 χ^2/NDF:32.0/22

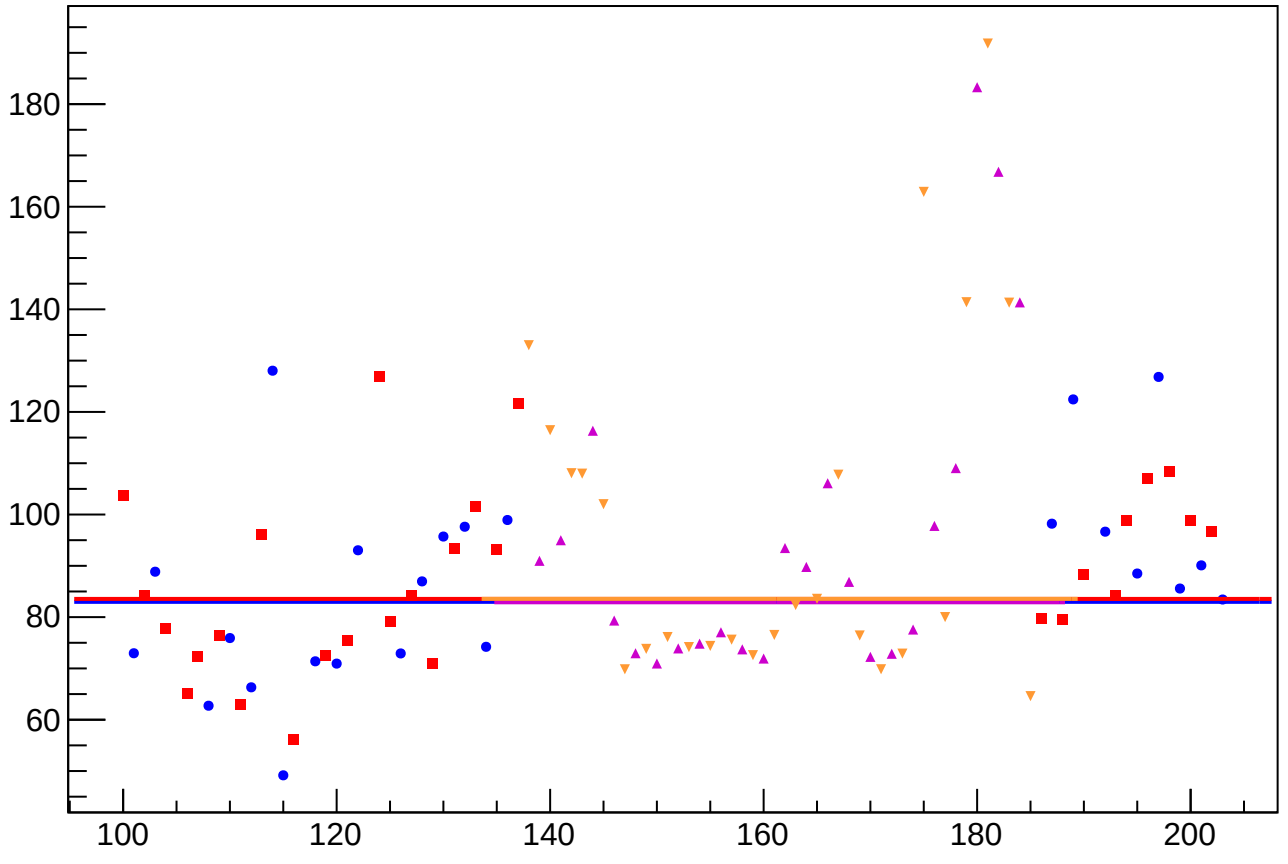
Left: -0.011+/-0.014 χ^2/NDF: 61.3/47

Right: -0.001+/-0.017 χ^2/NDF: 60.0/51

In: -0.018+/-0.016 χ^2/NDF:54.9/46

Out: 0.004+/-0.015 χ^2/NDF:65.8/52

All: -0.007+/-0.011 χ^2/NDF: 121.6/99



Right In: 82.980+/-0.017 χ^2/NDF: 818109.8/23

Left Out: 83.564+/-0.014 χ^2/NDF:2172931.4/24

Right Out: 83.550+/-0.016 χ^2/NDF: 744403.8/27

Left In: 82.891+/-0.015 χ^2/NDF:1573003.1/22

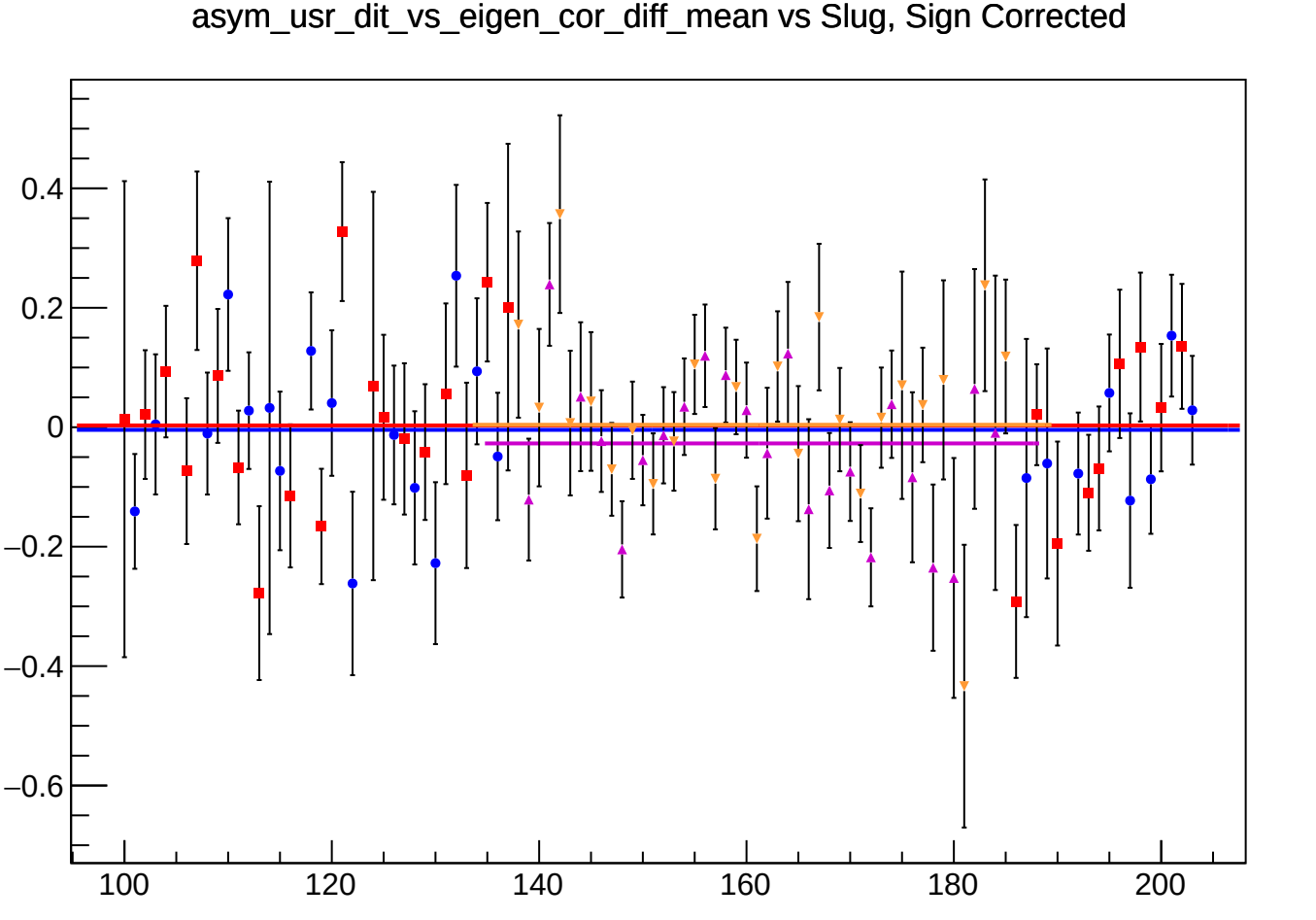
Left: 83.231+/-0.010 χ^2/NDF: 3747022.5/47

Right: 83.276+/-0.012 χ^2/NDF: 1563099.1/51

In: 82.929+/-0.011 χ^2/NDF:2391129.1/46

Out: 83.558+/-0.011 χ^2/NDF:2917335.6/52

All: 83.251+/-0.008 χ^2/NDF: 5310129.9/99



Right In: -0.004+/-0.024 χ^2/NDF: 22.4/23

Left Out: 0.004+/-0.020 χ^2/NDF:28.2/24

Right Out: 0.003+/-0.023 χ^2/NDF: 37.6/27

Left In: -0.027+/-0.021 χ^2/NDF:32.0/22

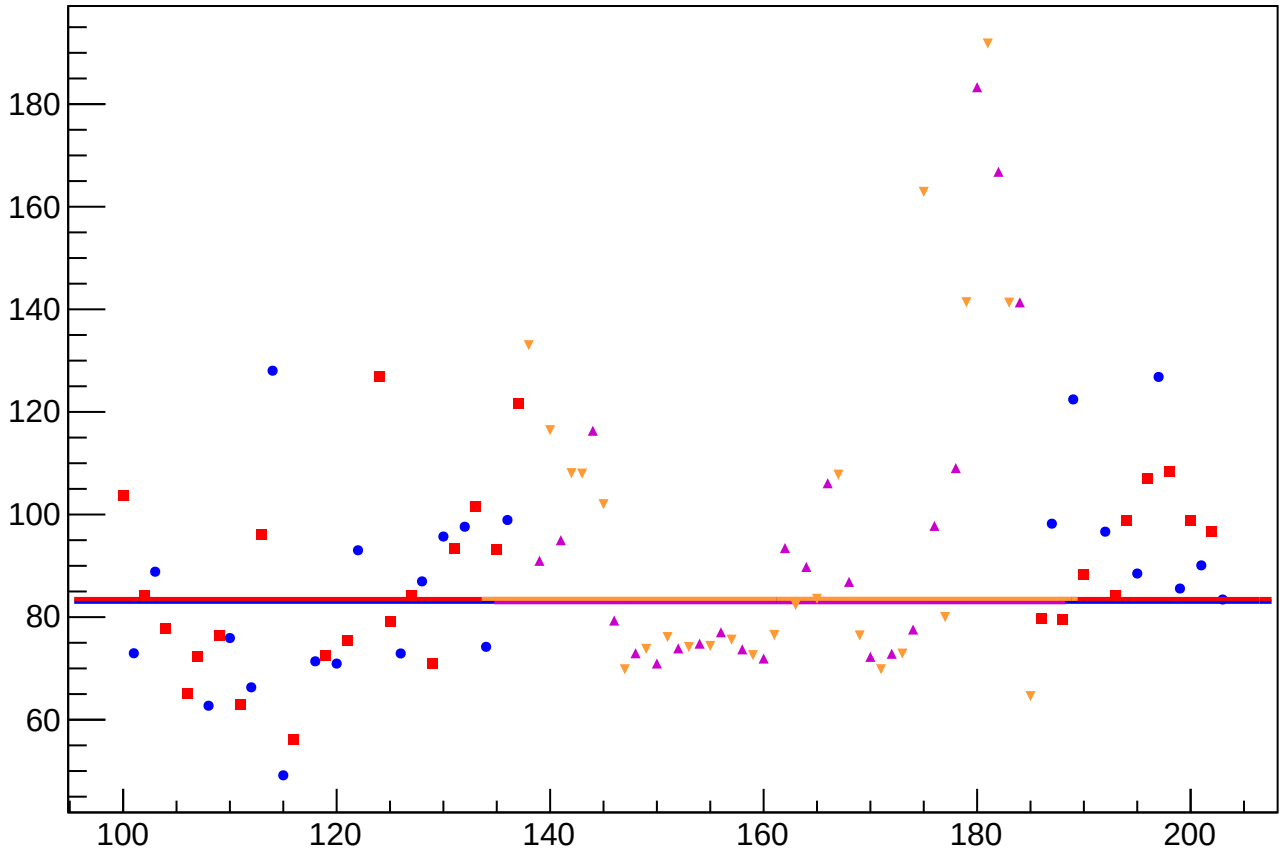
Left: -0.011+/-0.014 χ^2/NDF: 61.3/47

Right: -0.001+/-0.017 χ^2/NDF: 60.0/51

In: -0.018+/-0.016 χ^2/NDF:54.9/46

Out: 0.004+/-0.015 χ^2/NDF:65.8/52

All: -0.007+/-0.011 χ^2/NDF: 121.6/99



Right In: 82.980+/-0.017 χ^2/NDF: 818109.8/23

Left Out: 83.564+/-0.014 χ^2/NDF:2172931.4/24

Right Out: 83.550+/-0.016 χ^2/NDF: 744403.8/27

Left In: 82.891+/-0.015 χ^2/NDF:1573003.1/22

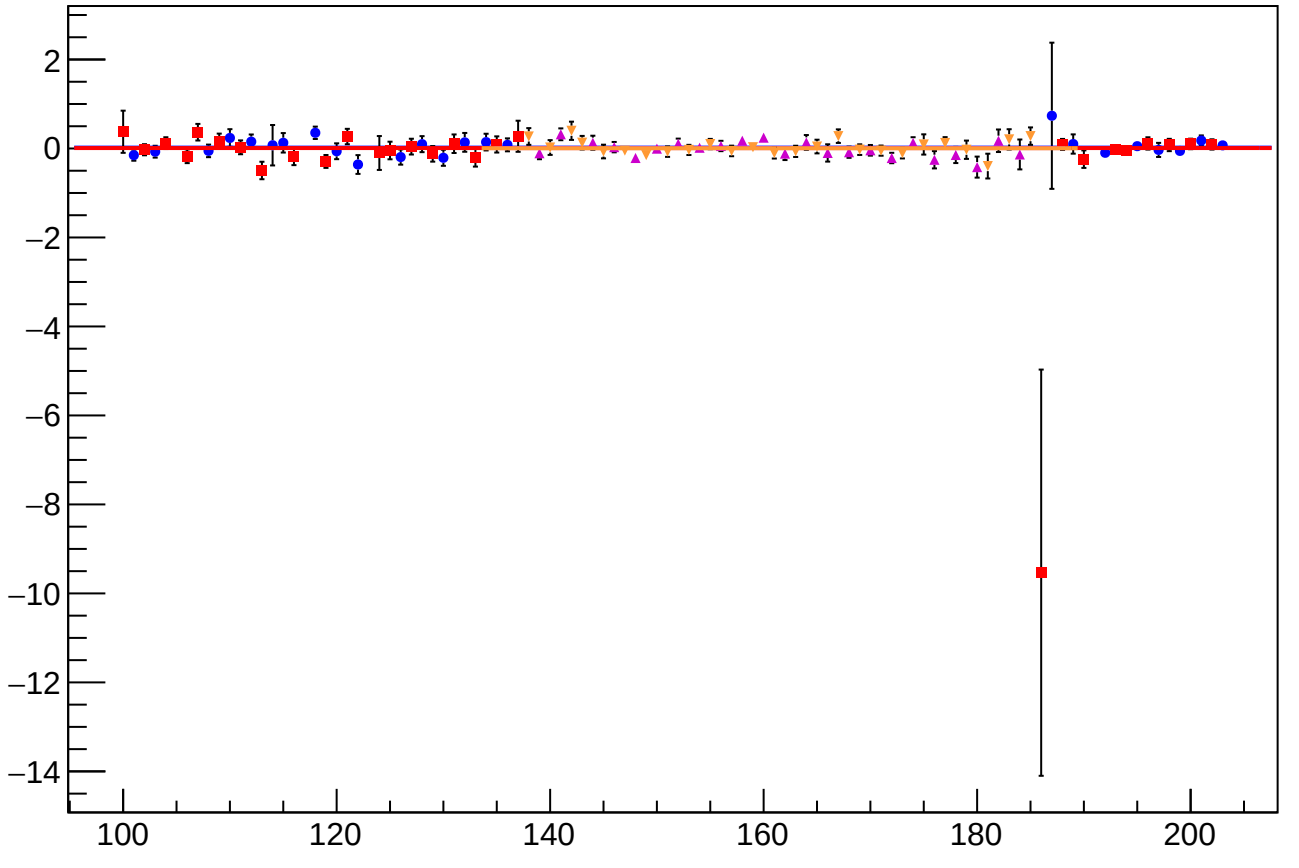
Left: 83.231+/-0.010 χ^2/NDF: 3747022.5/47

Right: 83.276+/-0.012 χ^2/NDF: 1563099.1/51

In: 82.929+/-0.011 χ^2/NDF:2391129.1/46

Out: 83.558+/-0.011 χ^2/NDF:2917335.6/52

All: 83.251+/-0.008 χ^2/NDF: 5310129.9/99



Right In: 0.019+/-0.031 χ^2/NDF: 22.4/23

Left Out: 0.006+/-0.028 χ^2/NDF:21.3/24

Right Out: 0.010+/-0.030 χ^2/NDF: 32.8/27

Left In: 0.010+/-0.028 χ^2/NDF:31.3/22

Left: 0.008+/-0.020 χ^2/NDF: 52.6/47

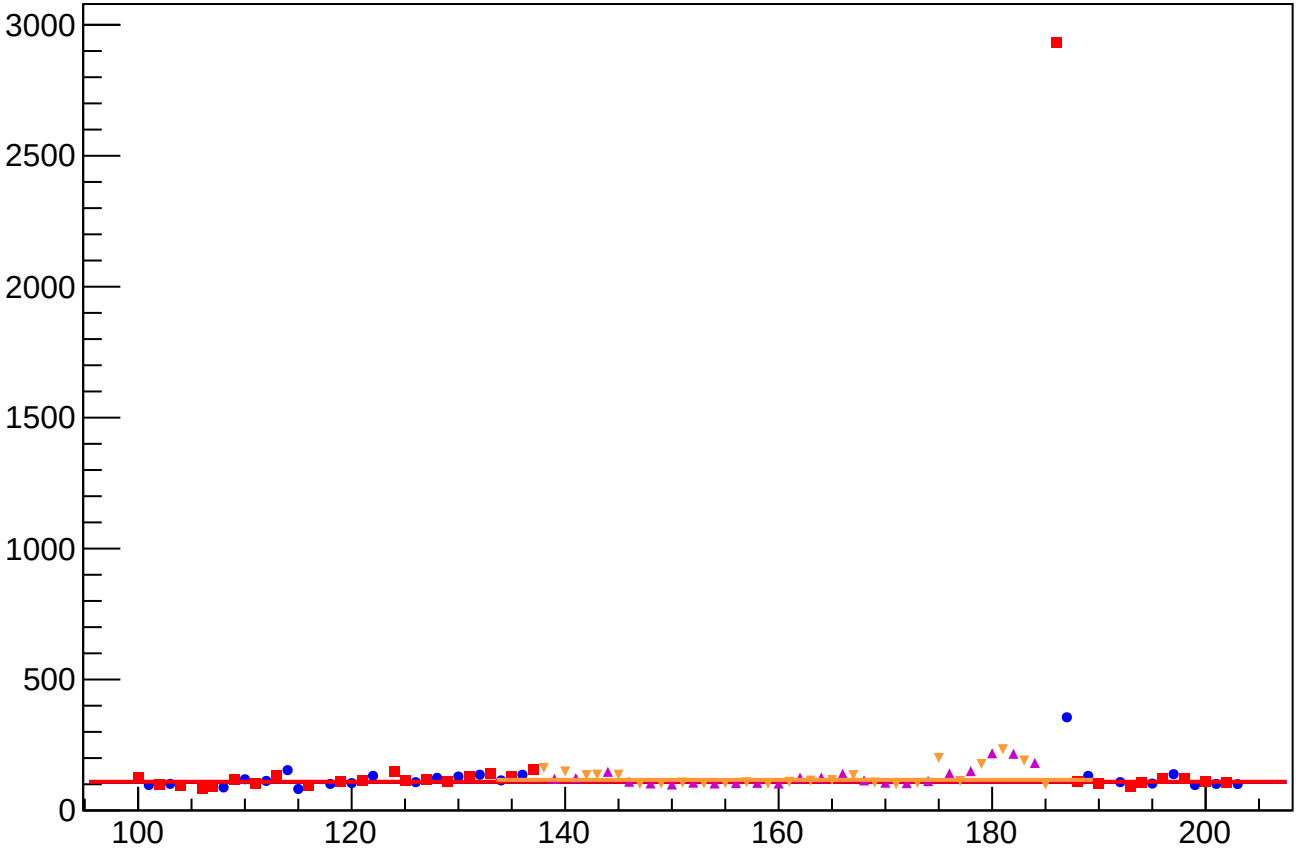
Right: 0.014+/-0.022 χ^2/NDF: 55.3/51

In: 0.014+/-0.021 χ^2/NDF:53.8/46

Out: 0.008+/-0.020 χ^2/NDF:54.1/52

All: 0.011+/-0.015 χ^2/NDF: 107.9/99

asym_usr_dit_vs_overload_cor_diff_rms vs Slug, Sign Corrected



Right In: 108.744+/-0.022 χ^2/NDF: 495361.6/23

Left Out: 116.880+/-0.020 χ^2/NDF:1596935.1/24

Right Out: 109.520+/-0.021 χ^2/NDF: 1171485.2/27

Left In: 115.858+/-0.020 χ^2/NDF:1231382.1/22

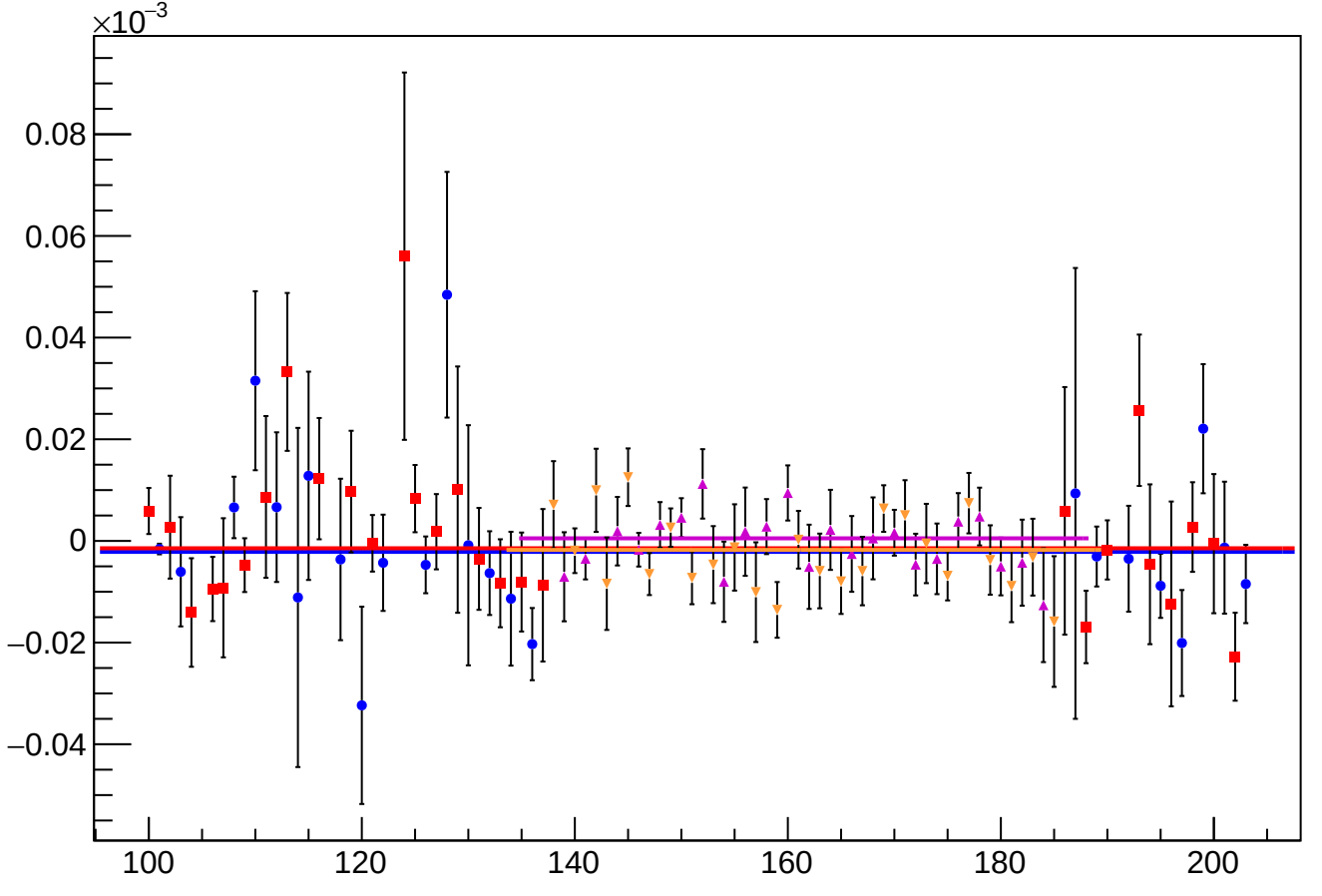
Left: 116.376+/-0.014 χ^2/NDF: 2829653.1/47

Right: 109.143+/-0.015 χ^2/NDF: 1667487.6/51

In: 112.653+/-0.015 χ^2/NDF:1784222.8/46

Out: 113.512+/-0.014 χ^2/NDF:2832748.4/52

All: 113.091+/-0.010 χ^2/NDF: 4618696.4/99



Right In: -0.000+/-0.000 χ^2/NDF: 30.0/23

Left Out: -0.000+/-0.000 χ^2/NDF:31.1/24

Right Out: -0.000+/-0.000 χ^2/NDF: 35.4/27

Left In: 0.000+/-0.000 χ^2/NDF:15.6/22

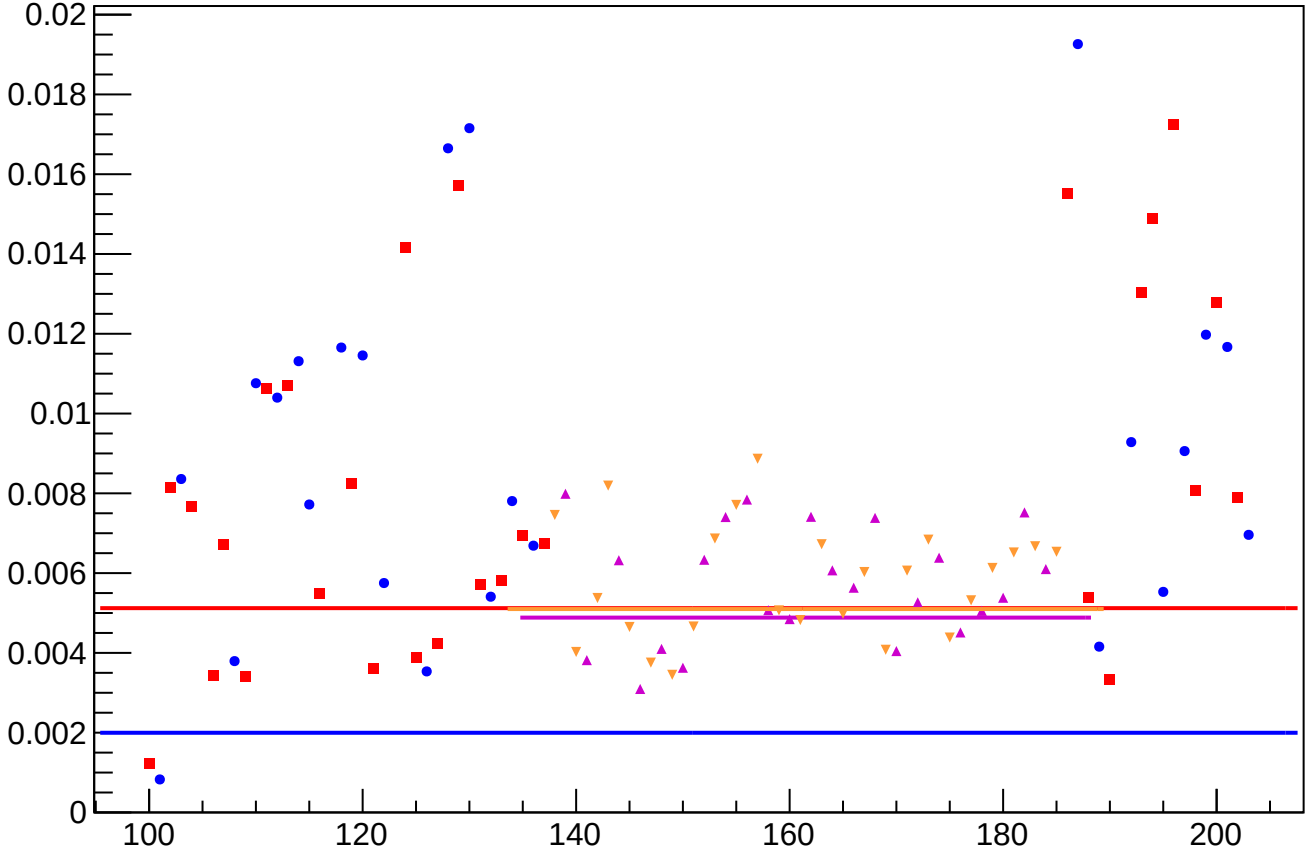
Left: -0.000+/-0.000 χ^2/NDF: 48.4/47

Right: -0.000+/-0.000 χ^2/NDF: 65.5/51

In: -0.000+/-0.000 χ^2/NDF:48.7/46

Out: -0.000+/-0.000 χ^2/NDF:66.5/52

All: -0.000+/-0.000 χ^2/NDF: 115.3/99



Right In: 0.002+/-0.000 χ^2/NDF: 15954566.4/23

Left Out: 0.005+/-0.000 χ^2/NDF:2378649.6/24

Right Out: 0.005+/-0.000 χ^2/NDF: 7330522.9/27

Left In: 0.005+/-0.000 χ^2/NDF:2725463.9/22

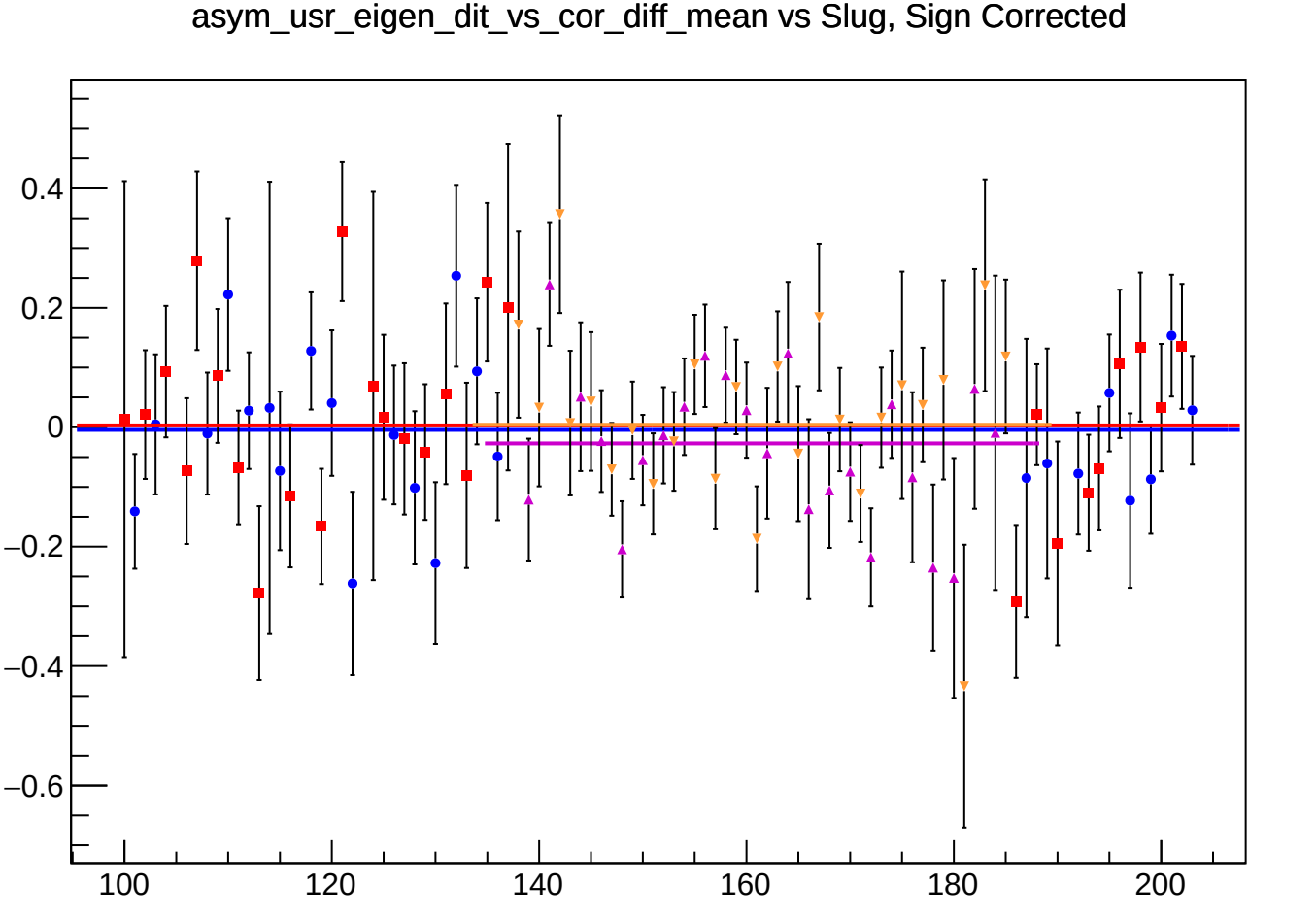
Left: 0.005+/-0.000 χ^2/NDF: 5135847.3/47

Right: 0.003+/-0.000 χ^2/NDF: 28681352.5/51

In: 0.003+/-0.000 χ^2/NDF:25953815.6/46

Out: 0.005+/-0.000 χ^2/NDF:9709419.7/52

All: 0.004+/-0.000 χ^2/NDF: 41128574.2/99



Right In: -0.004+/-0.024 χ^2/NDF: 22.4/23

Left Out: 0.004+/-0.020 χ^2/NDF:28.2/24

Right Out: 0.003+/-0.023 χ^2/NDF: 37.6/27

Left In: -0.027+/-0.021 χ^2/NDF:32.0/22

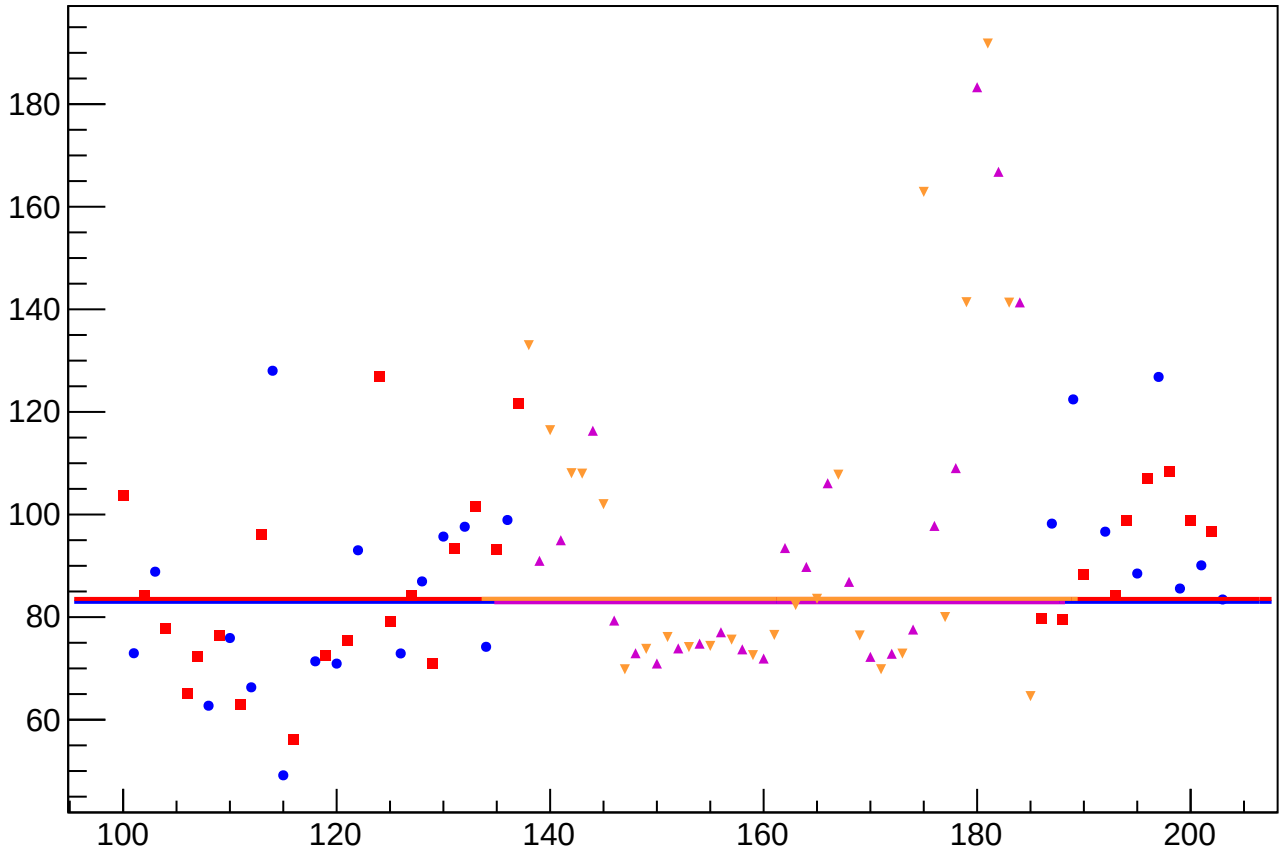
Left: -0.011+/-0.014 χ^2/NDF: 61.3/47

Right: -0.001+/-0.017 χ^2/NDF: 60.0/51

In: -0.018+/-0.016 χ^2/NDF:54.9/46

Out: 0.004+/-0.015 χ^2/NDF:65.8/52

All: -0.007+/-0.011 χ^2/NDF: 121.6/99



Right In: 82.980+/-0.017 χ^2/NDF: 818135.5/23

Left Out: 83.565+/-0.014 χ^2/NDF:2172921.0/24

Right Out: 83.549+/-0.016 χ^2/NDF: 744408.8/27

Left In: 82.891+/-0.015 χ^2/NDF:1572981.0/22

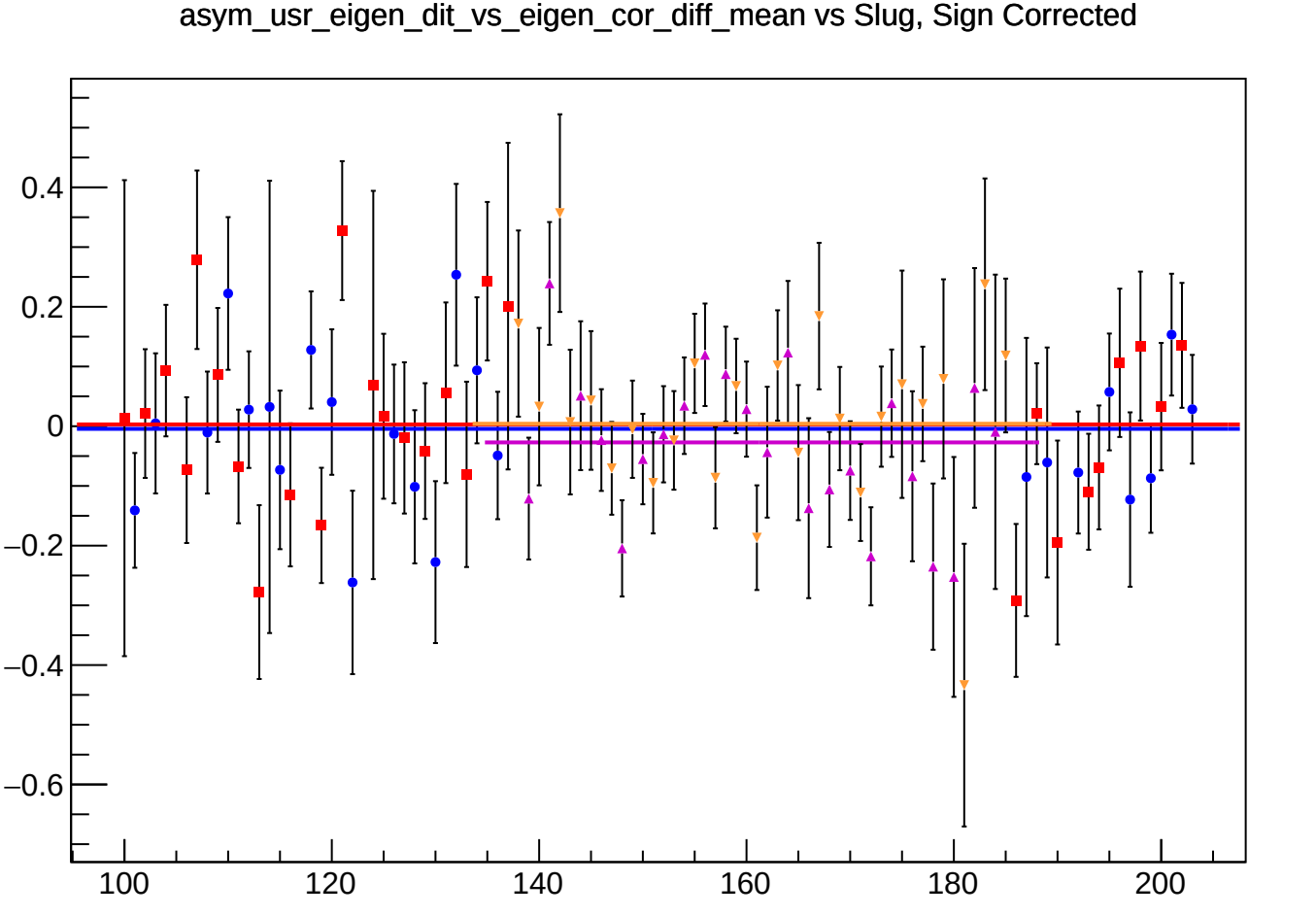
Left: 83.232+/-0.010 χ^2/NDF: 3746990.7/47

Right: 83.275+/-0.012 χ^2/NDF: 1563128.7/51

In: 82.928+/-0.011 χ^2/NDF:2391132.2/46

Out: 83.558+/-0.011 χ^2/NDF:2917330.4/52

All: 83.251+/-0.008 χ^2/NDF: 5310127.0/99



Right In: -0.004+/-0.024 χ^2/NDF: 22.4/23

Left Out: 0.004+/-0.020 χ^2/NDF:28.2/24

Right Out: 0.003+/-0.023 χ^2/NDF: 37.6/27

Left In: -0.027+/-0.021 χ^2/NDF:32.0/22

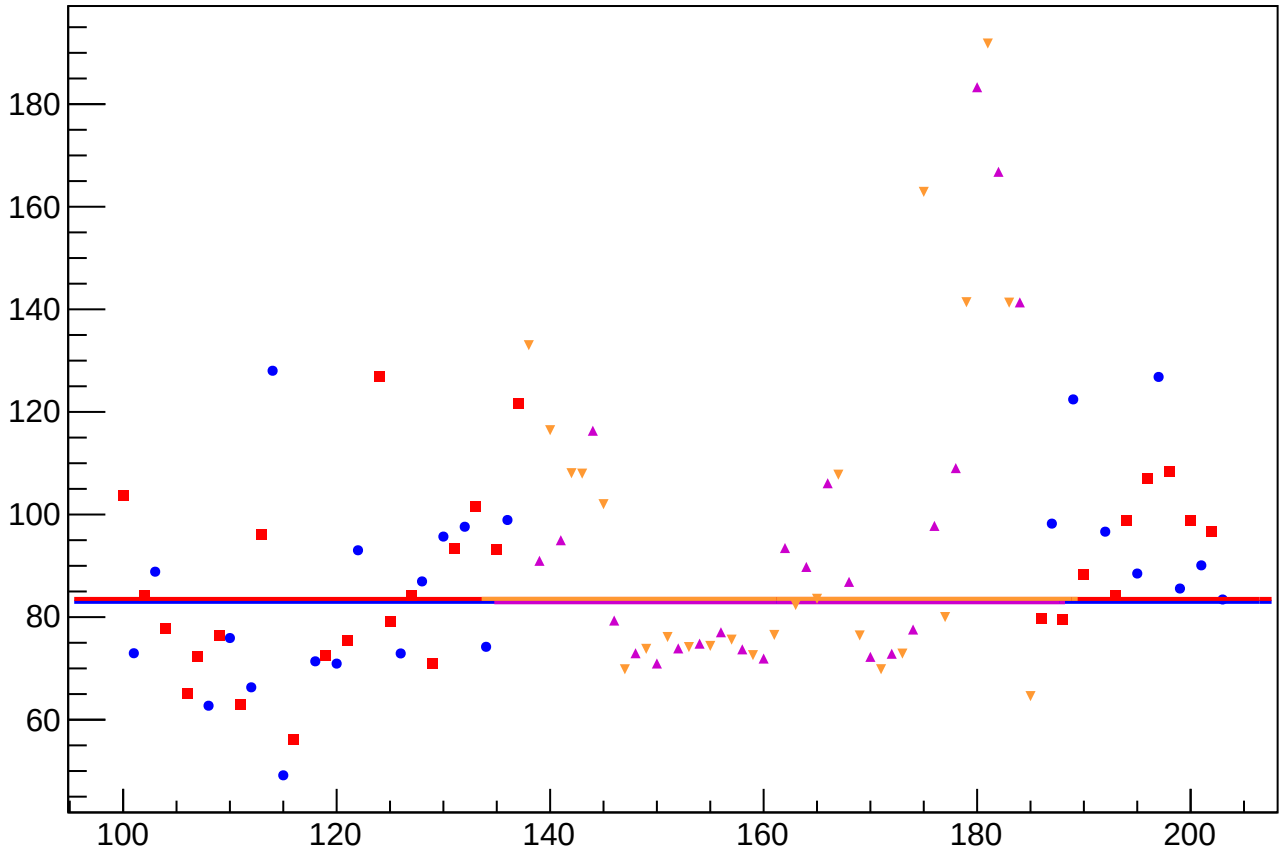
Left: -0.011+/-0.014 χ^2/NDF: 61.3/47

Right: -0.001+/-0.017 χ^2/NDF: 60.0/51

In: -0.018+/-0.016 χ^2/NDF:54.9/46

Out: 0.004+/-0.015 χ^2/NDF:65.8/52

All: -0.007+/-0.011 χ^2/NDF: 121.6/99



Right In: 82.980+/-0.017 χ^2/NDF: 818135.5/23

Left Out: 83.565+/-0.014 χ^2/NDF:2172921.0/24

Right Out: 83.549+/-0.016 χ^2/NDF: 744408.8/27

Left In: 82.891+/-0.015 χ^2/NDF:1572981.0/22

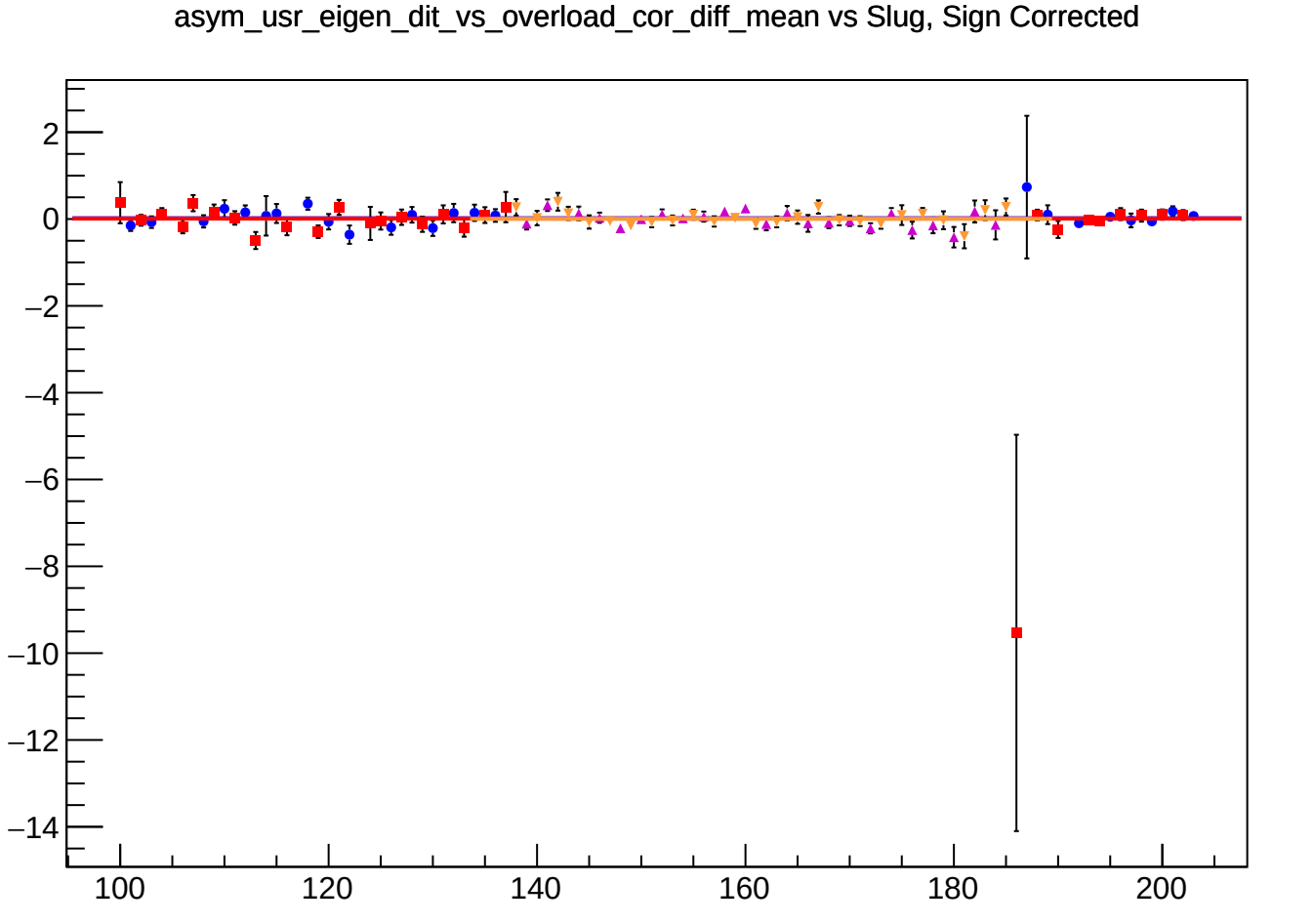
Left: 83.232+/-0.010 χ^2/NDF: 3746990.7/47

Right: 83.275+/-0.012 χ^2/NDF: 1563128.7/51

In: 82.928+/-0.011 χ^2/NDF:2391132.2/46

Out: 83.558+/-0.011 χ^2/NDF:2917330.4/52

All: 83.251+/-0.008 χ^2/NDF: 5310127.0/99



Right In: 0.019+/-0.031 χ^2/NDF: 22.4/23

Left Out: 0.006+/-0.028 χ^2/NDF:21.3/24

Right Out: 0.010+/-0.030 χ^2/NDF: 32.8/27

Left In: 0.010+/-0.028 χ^2/NDF:31.3/22

Left: 0.008+/-0.020 χ^2/NDF: 52.6/47

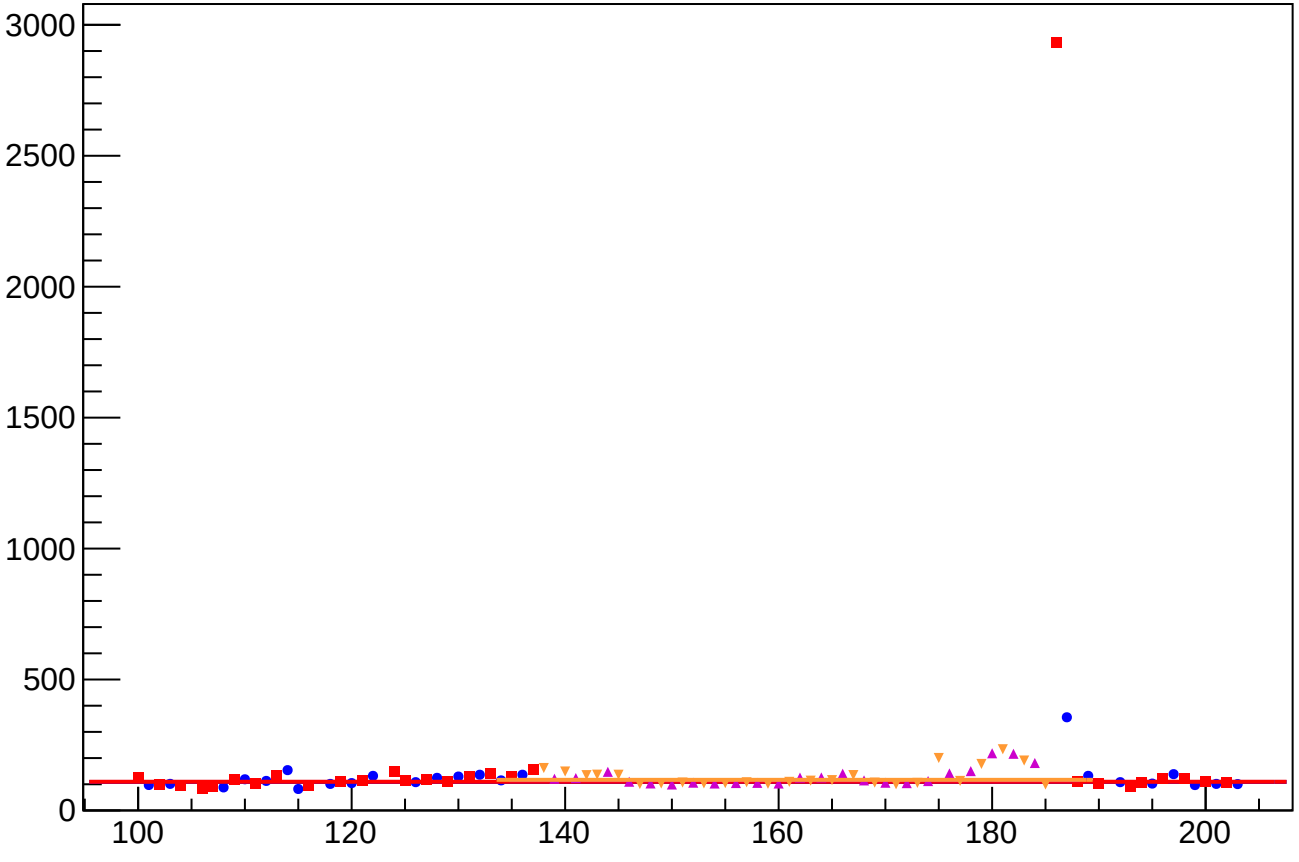
Right: 0.014+/-0.022 χ^2/NDF: 55.3/51

In: 0.014+/-0.021 χ^2/NDF:53.8/46

Out: 0.008+/-0.020 χ^2/NDF:54.1/52

All: 0.011+/-0.015 χ^2/NDF: 107.9/99

asym_usr_eigen_dit_vs_overload_cor_diff_rms vs Slug, Sign Corrected



Right In: 108.743+/-0.022 χ^2/NDF: 495319.8/23

Left Out: 116.880+/-0.020 χ^2/NDF:1596928.7/24

Right Out: 109.519+/-0.021 χ^2/NDF: 1171458.4/27

Left In: 115.858+/-0.020 χ^2/NDF:1231371.8/22

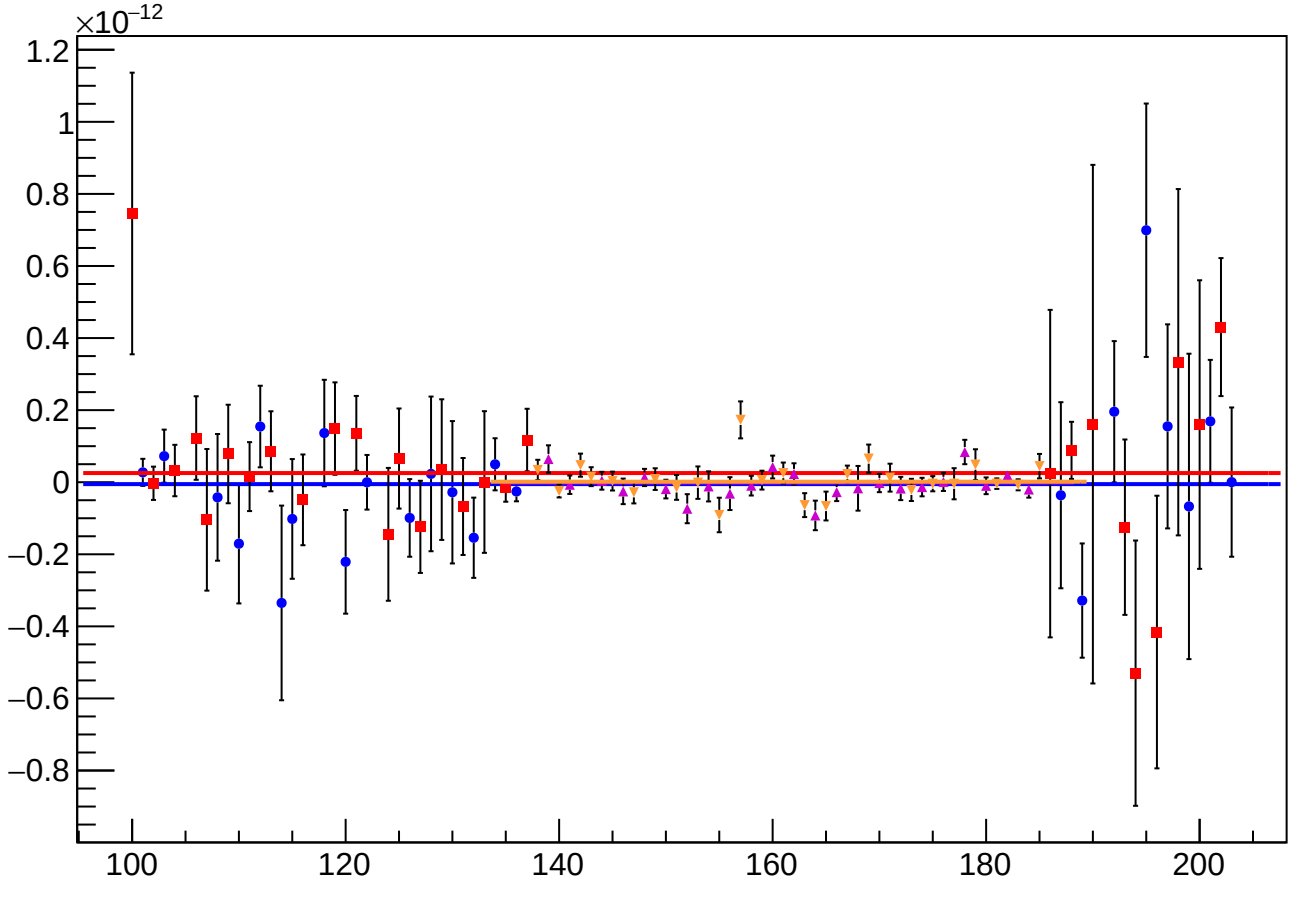
Left: 116.377+/-0.014 χ^2/NDF: 2829636.7/47

Right: 109.142+/-0.015 χ^2/NDF: 1667418.3/51

In: 112.653+/-0.015 χ^2/NDF:1784183.6/46

Out: 113.511+/-0.014 χ^2/NDF:2832738.9/52

All: 113.091+/-0.010 χ^2/NDF: 4618647.1/99



Right In: -0.000+/-0.000 χ^2/NDF: 24.2/23

Left Out: 0.000+/-0.000 χ^2/NDF:36.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 22.4/27

Left In: -0.000+/-0.000 χ^2/NDF:26.7/22

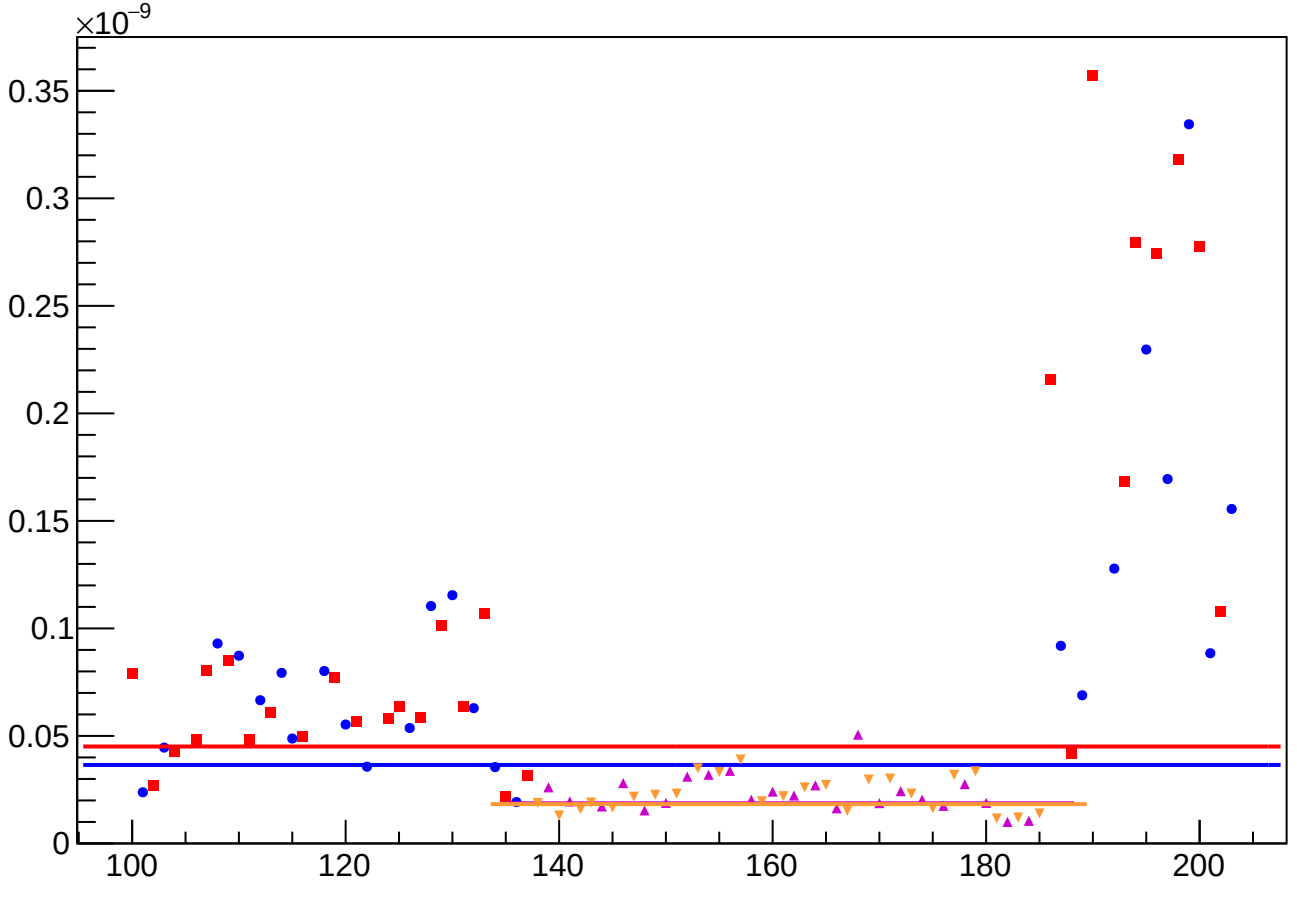
Left: 0.000+/-0.000 χ^2/NDF: 63.4/47

Right: 0.000+/-0.000 χ^2/NDF: 47.9/51

In: -0.000+/-0.000 χ^2/NDF:51.1/46

Out: 0.000+/-0.000 χ^2/NDF:60.3/52

All: 0.000+/-0.000 χ^2/NDF: 111.7/99



Right In: 0.000+/-0.000 χ^2/NDF: 6073938.7/23

Left Out: 0.000+/-0.000 χ^2/NDF:3029080.3/24

Right Out: 0.000+/-0.000 χ^2/NDF: 6225885.4/27

Left In: 0.000+/-0.000 χ^2/NDF:2908977.5/22

Left: 0.000+/-0.000 χ^2/NDF: 5943205.7/47

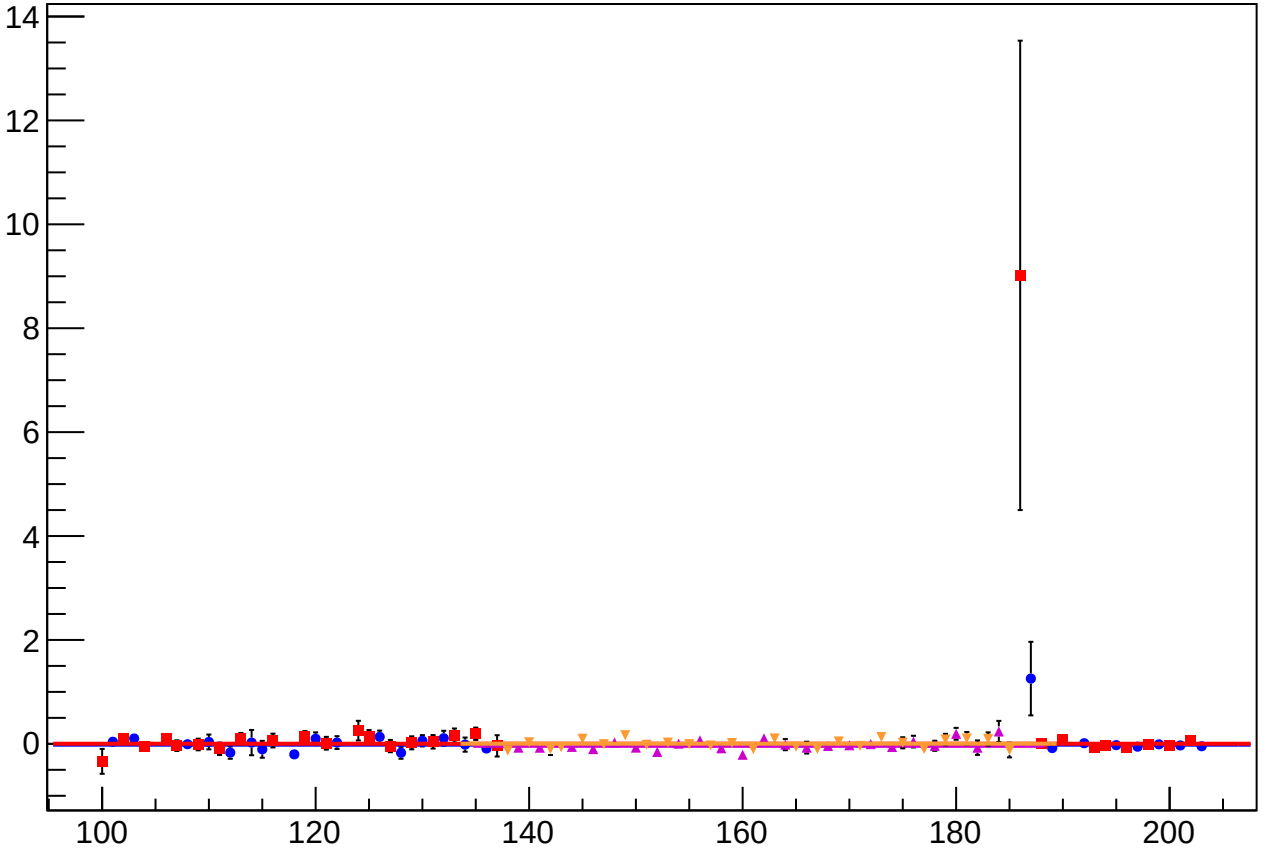
Right: 0.000+/-0.000 χ^2/NDF: 12507599.5/51

In: 0.000+/-0.000 χ^2/NDF:10868333.7/46

Out: 0.000+/-0.000 χ^2/NDF:12570705.1/52

All: 0.000+/-0.000 χ^2/NDF: 23441496.4/99

asym_usr_overload_cor_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.016+/-0.015 χ^2/NDF: 23.2/23

Left Out: 0.003+/-0.017 χ^2/NDF:21.5/24

Right Out: 0.002+/-0.013 χ^2/NDF: 35.4/27

Left In: -0.038+/-0.018 χ^2/NDF:21.6/22

Left: -0.017+/-0.012 χ^2/NDF: 45.8/47

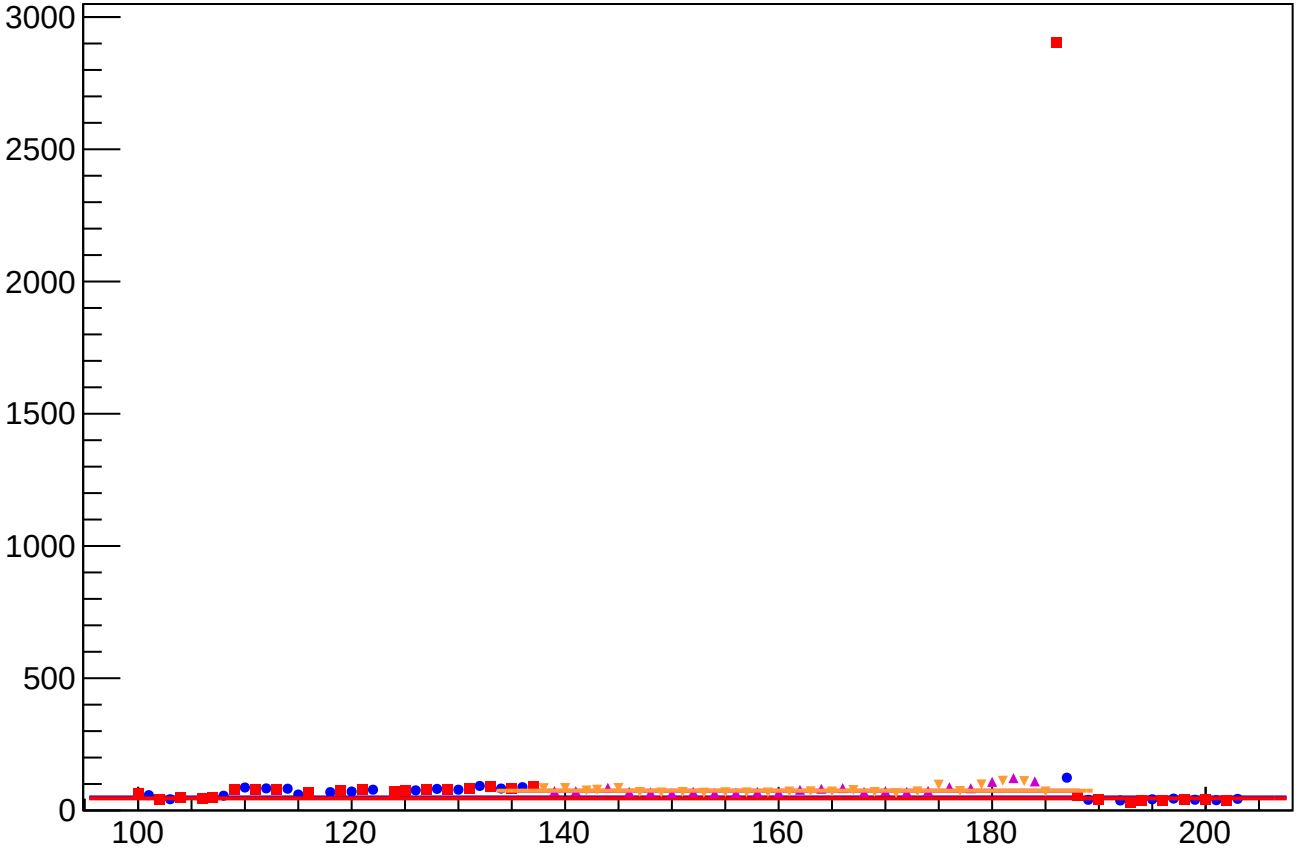
Right: -0.006+/-0.010 χ^2/NDF: 59.5/51

In: -0.025+/-0.011 χ^2/NDF:45.7/46

Out: 0.003+/-0.011 χ^2/NDF:56.9/52

All: -0.010+/-0.008 χ^2/NDF: 105.8/99

asym_usr_overload_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 49.132+/-0.010 χ^2/NDF: 2238074.3/23

Left Out: 74.749+/-0.012 χ^2/NDF:744366.0/24

Right Out: 45.685+/-0.009 χ^2/NDF: 3610430.1/27

Left In: 74.601+/-0.013 χ^2/NDF:713751.1/22

Left: 74.677+/-0.009 χ^2/NDF: 1458187.6/47

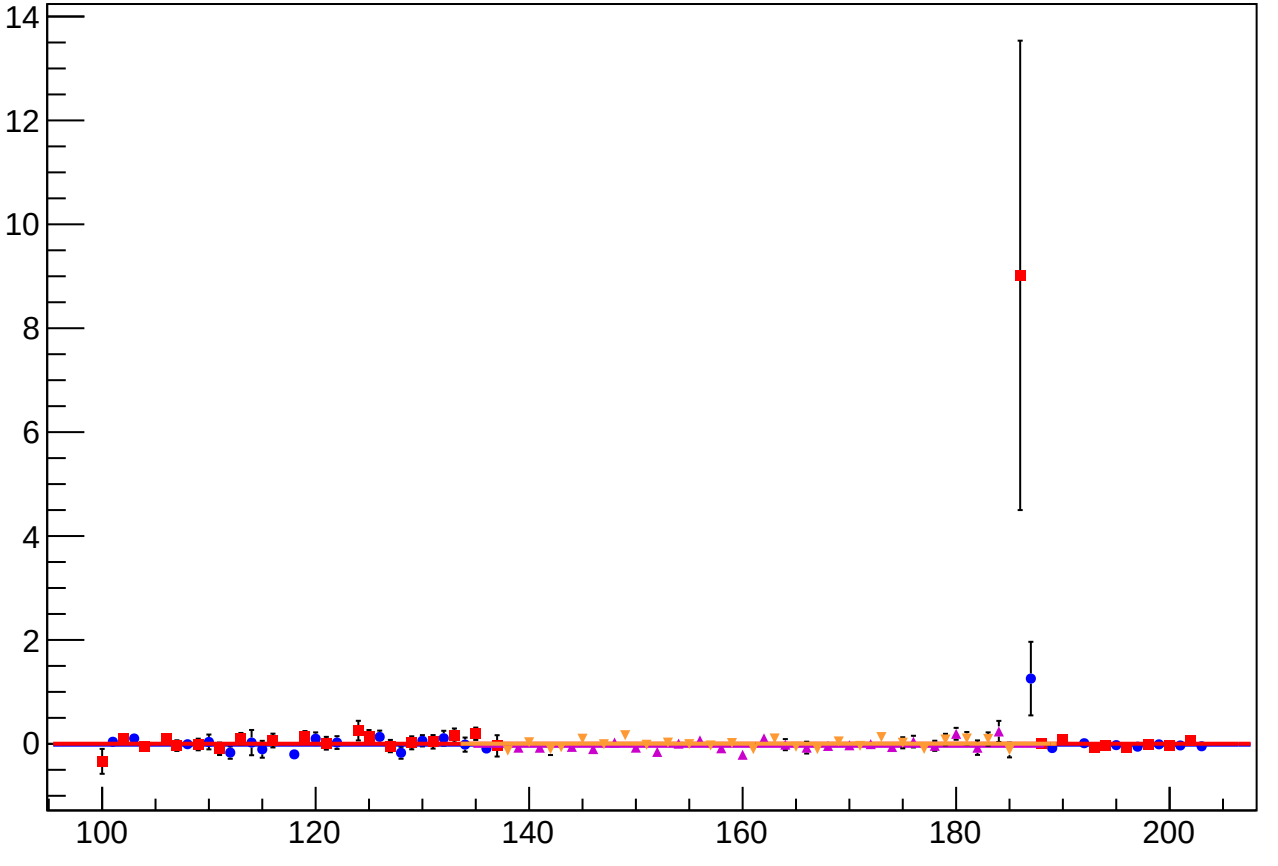
Right: 47.261+/-0.007 χ^2/NDF: 5908938.2/51

In: 59.332+/-0.008 χ^2/NDF:5385849.8/46

Out: 56.491+/-0.008 χ^2/NDF:7849763.6/52

All: 57.822+/-0.005 χ^2/NDF: 13302622.4/99

asym_usr_overload_cor_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.016+/-0.015 χ^2/NDF: 23.2/23

Left Out: 0.003+/-0.017 χ^2/NDF:21.5/24

Right Out: 0.002+/-0.013 χ^2/NDF: 35.4/27

Left In: -0.038+/-0.018 χ^2/NDF:21.6/22

Left: -0.017+/-0.012 χ^2/NDF: 45.8/47

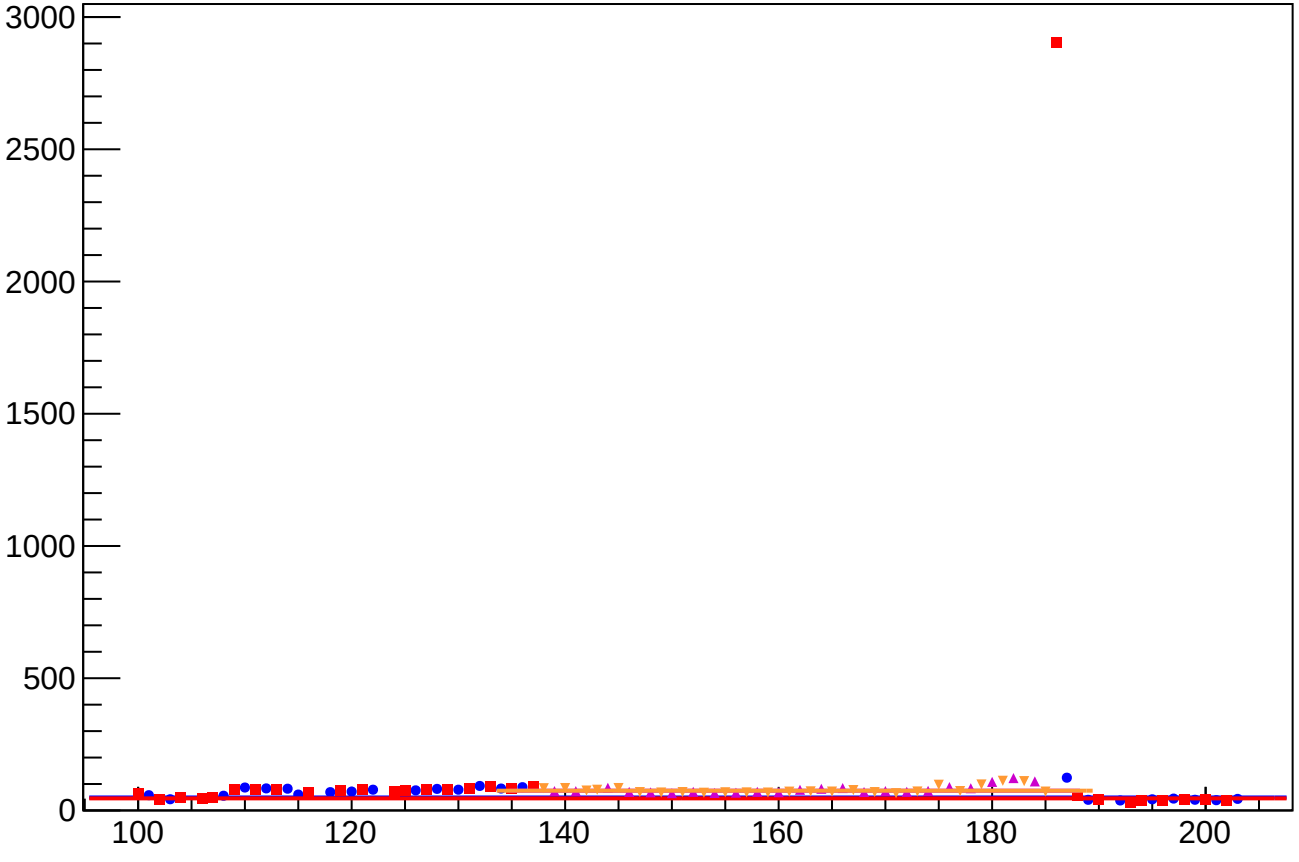
Right: -0.006+/-0.010 χ^2/NDF: 59.5/51

In: -0.025+/-0.011 χ^2/NDF:45.7/46

Out: 0.003+/-0.011 χ^2/NDF:56.9/52

All: -0.010+/-0.008 χ^2/NDF: 105.8/99

asym_usr_overload_cor_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 49.132+/-0.010 χ^2/NDF: 2238074.3/23

Left Out: 74.749+/-0.012 χ^2/NDF:744366.0/24

Right Out: 45.685+/-0.009 χ^2/NDF: 3610430.1/27

Left In: 74.601+/-0.013 χ^2/NDF:713751.1/22

Left: 74.677+/-0.009 χ^2/NDF: 1458187.6/47

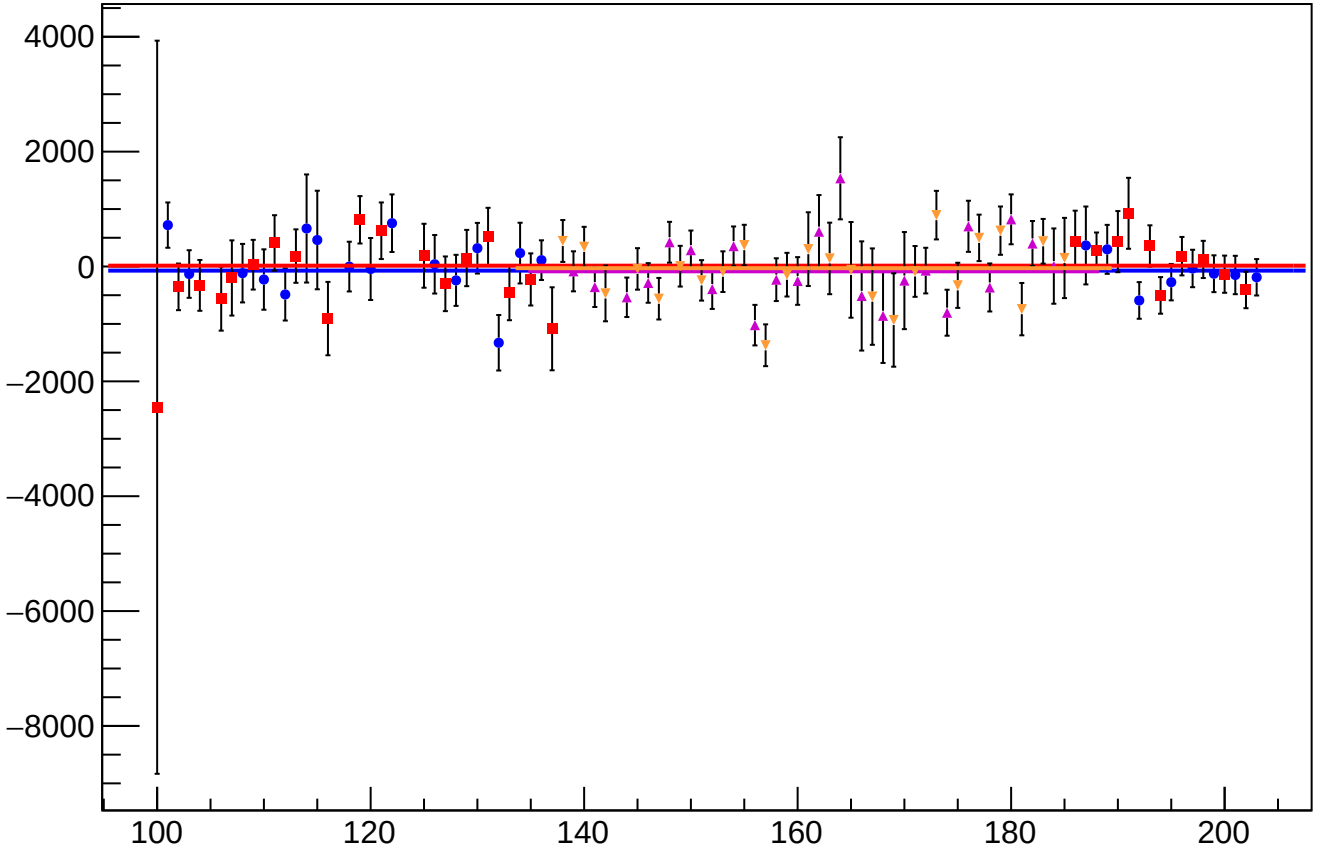
Right: 47.261+/-0.007 χ^2/NDF: 5908938.2/51

In: 59.332+/-0.008 χ^2/NDF:5385849.8/46

Out: 56.491+/-0.008 χ^2/NDF:7849763.6/52

All: 57.822+/-0.005 χ^2/NDF: 13302622.4/99

asym_dsl_mean vs Slug, Sign Corrected



Right In: -71.820+/-85.871 χ^2/NDF: 21.5/23

Left Out: -29.346+/-86.530 χ^2/NDF:36.6/23

Right Out: 14.057+/-82.825 χ^2/NDF: 26.1/27

Left In: -83.719+/-86.476 χ^2/NDF:35.8/22

Left: -56.550+/-61.167 χ^2/NDF: 72.6/46

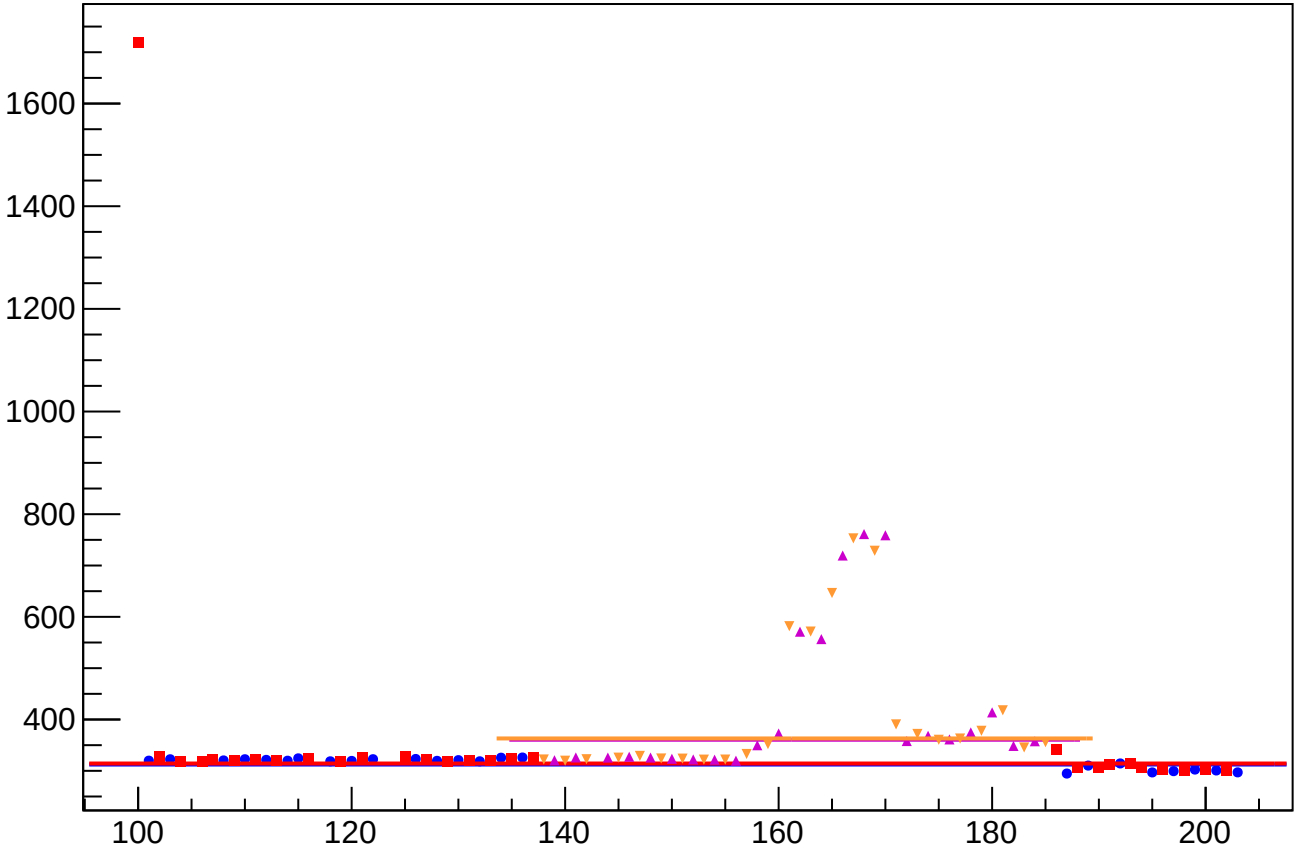
Right: -27.331+/-59.614 χ^2/NDF: 48.2/51

In: -77.728+/-60.933 χ^2/NDF:57.4/46

Out: -6.695+/-59.833 χ^2/NDF:62.8/51

All: -41.565+/-42.692 χ^2/NDF: 120.9/98

asym_dsl_rms vs Slug, Sign Corrected



Right In: 312.281+/-0.061 χ^2/NDF: 31196.7/23

Left Out: 363.079+/-0.061 χ^2/NDF:1795570.0/23

Right Out: 314.259+/-0.059 χ^2/NDF: 127408.0/27

Left In: 360.585+/-0.061 χ^2/NDF:1817691.0/22

Left: 361.831+/-0.043 χ^2/NDF: 3614092.1/46

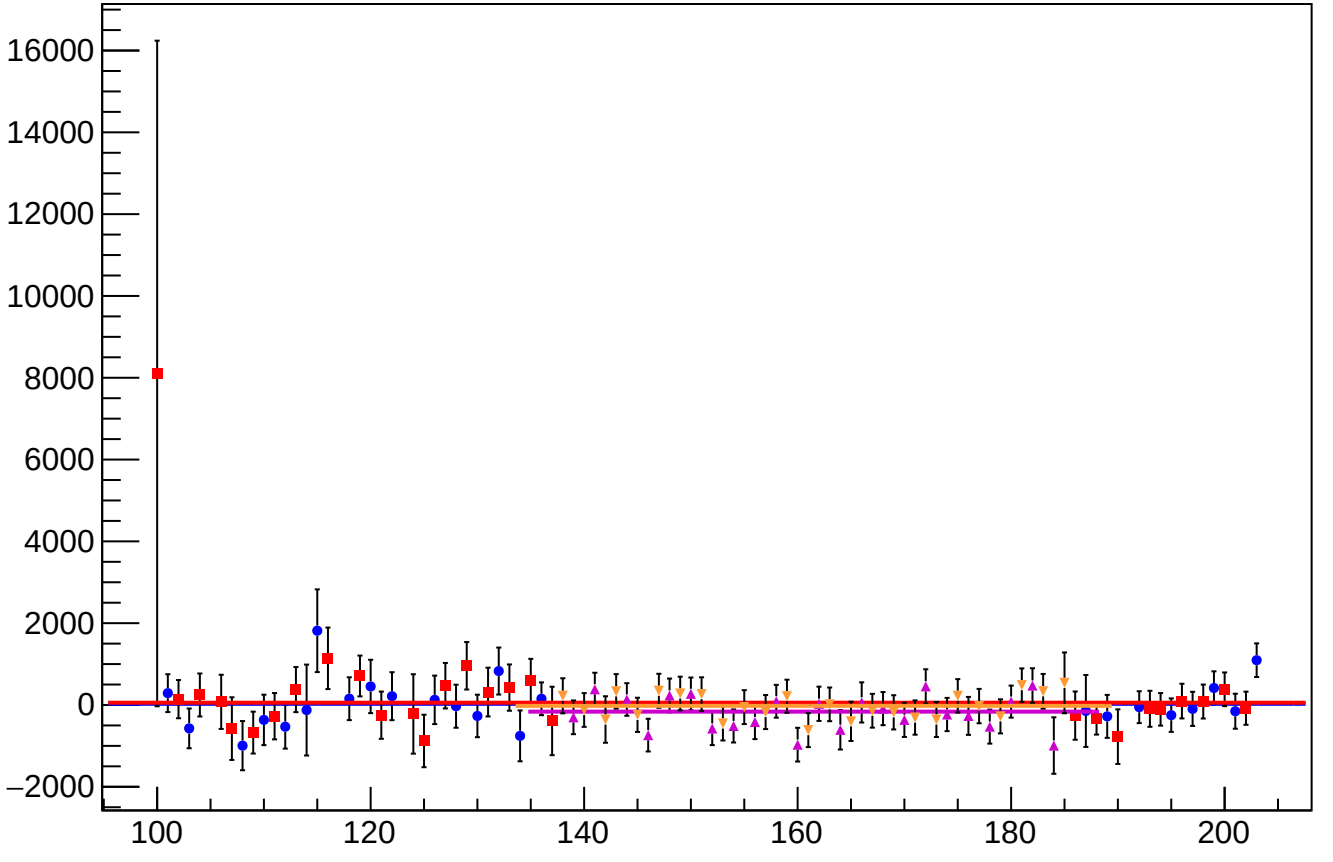
Right: 313.306+/-0.042 χ^2/NDF: 159154.3/51

In: 336.264+/-0.043 χ^2/NDF:2163094.1/46

Out: 337.601+/-0.042 χ^2/NDF:2255222.8/51

All: 336.945+/-0.030 χ^2/NDF: 4418807.6/98

asym_dsr_mean vs Slug, Sign Corrected



Right In: 28.527+/-104.756 χ^2/NDF: 22.7/23

Left Out: -21.061+/-85.620 χ^2/NDF:12.6/24

Right Out: 55.821+/-100.850 χ^2/NDF: 19.6/27

Left In: -162.992+/-87.991 χ^2/NDF:21.8/22

Left: -90.087+/-61.364 χ^2/NDF: 35.7/47

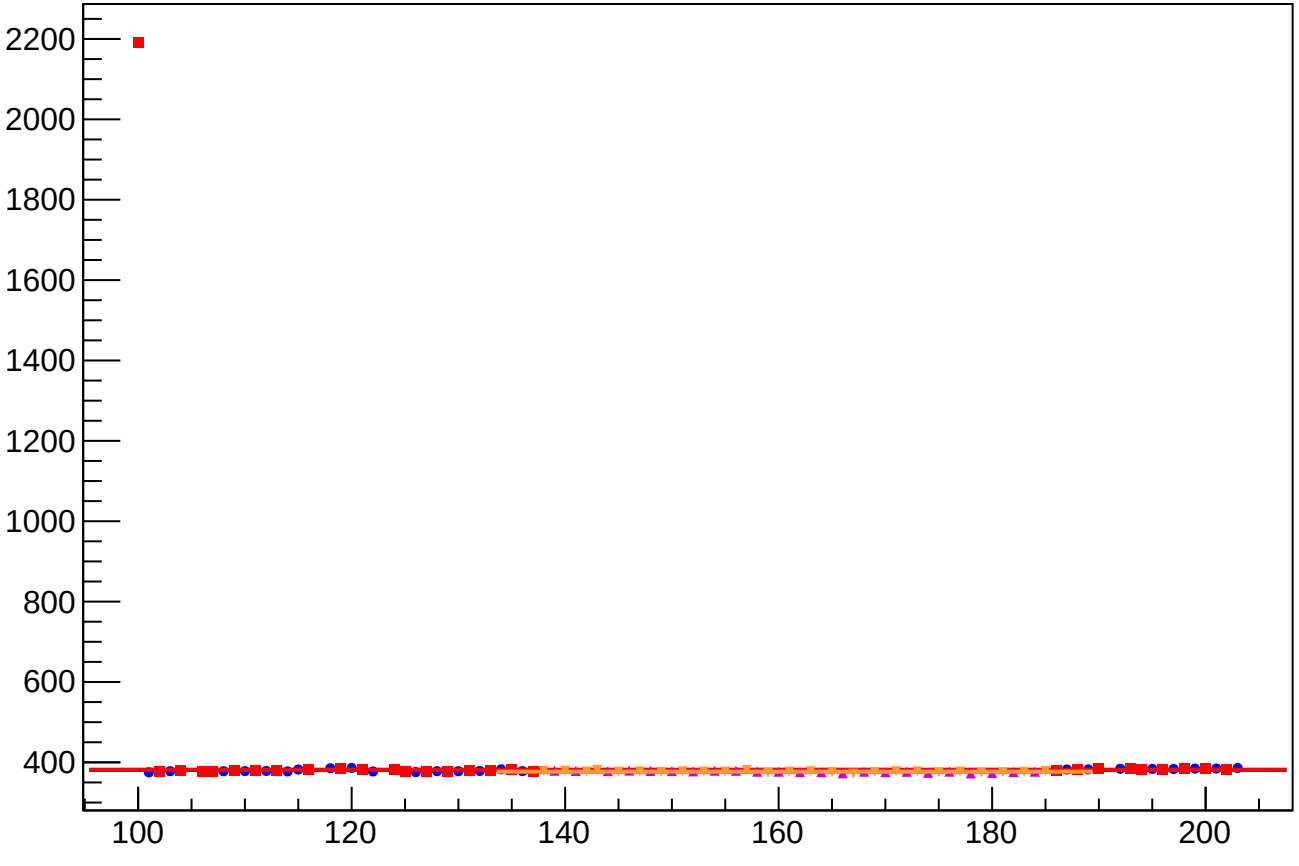
Right: 42.692+/-72.653 χ^2/NDF: 42.4/51

In: -83.765+/-67.377 χ^2/NDF:46.5/46

Out: 11.142+/-65.270 χ^2/NDF:32.5/52

All: -34.804+/-46.880 χ^2/NDF: 80.0/99

asym_dsr_rms vs Slug, Sign Corrected



Right In: 381.217+/-0.074 χ^2/NDF: 2129.1/23

Left Out: 376.906+/-0.061 χ^2/NDF:1058.3/24

Right Out: 381.582+/-0.071 χ^2/NDF: 100450.5/27

Left In: 376.846+/-0.062 χ^2/NDF:1074.1/22

Left: 376.877+/-0.043 χ^2/NDF: 2132.9/47

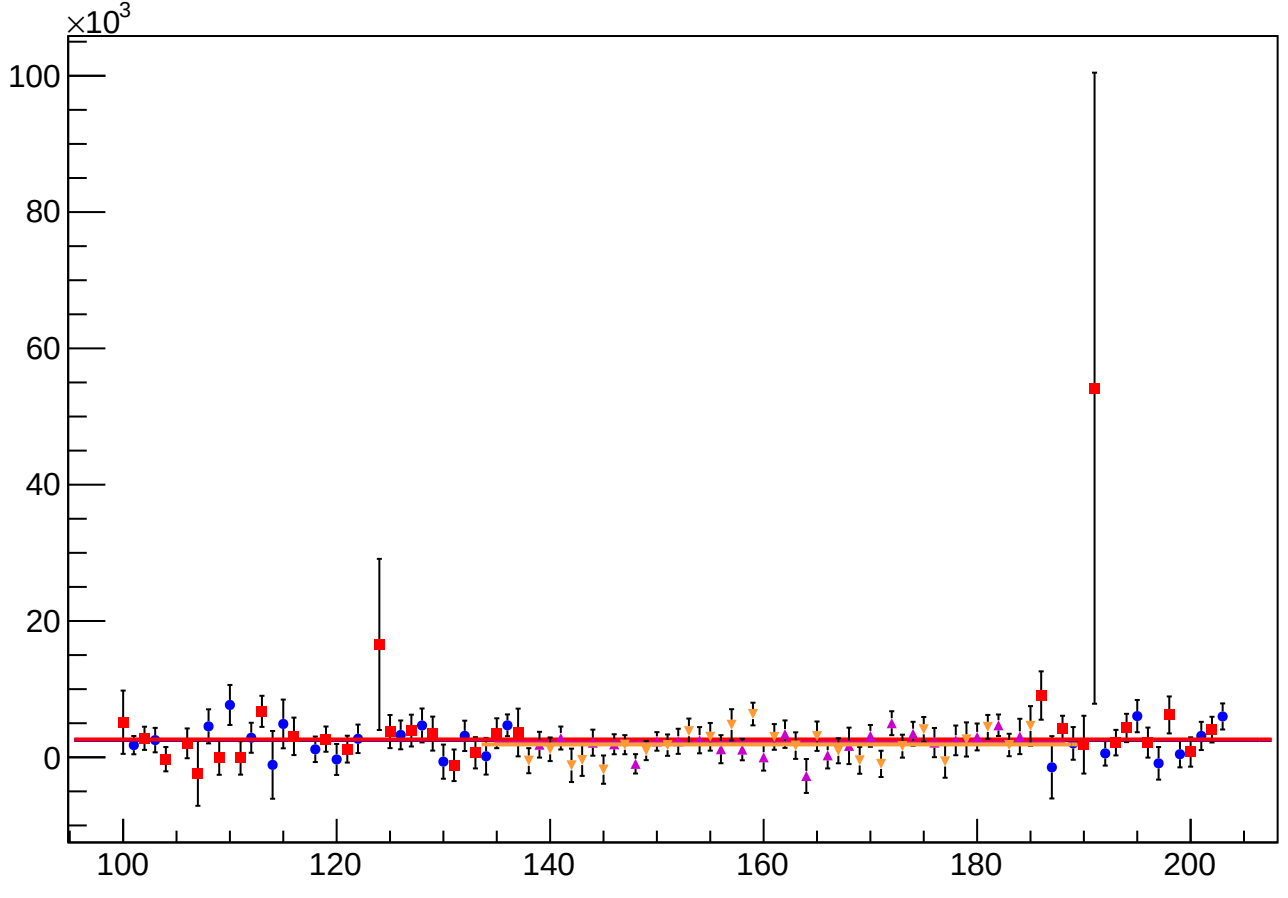
Right: 381.406+/-0.051 χ^2/NDF: 102592.2/51

In: 378.654+/-0.048 χ^2/NDF:5245.0/46

Out: 378.864+/-0.046 χ^2/NDF:104007.4/52

All: 378.763+/-0.033 χ^2/NDF: 109262.5/99

asym_us_agg_avg_mean vs Slug, Sign Corrected



Right In: 2538.523+/-442.189 χ^2/NDF: 23.0/23

Left Out: 1891.201+/-375.290 χ^2/NDF:28.4/24

Right Out: 2616.318+/-442.652 χ^2/NDF: 24.9/28

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

Left: 1997.240+/-266.690 χ^2/NDF: 47.1/47

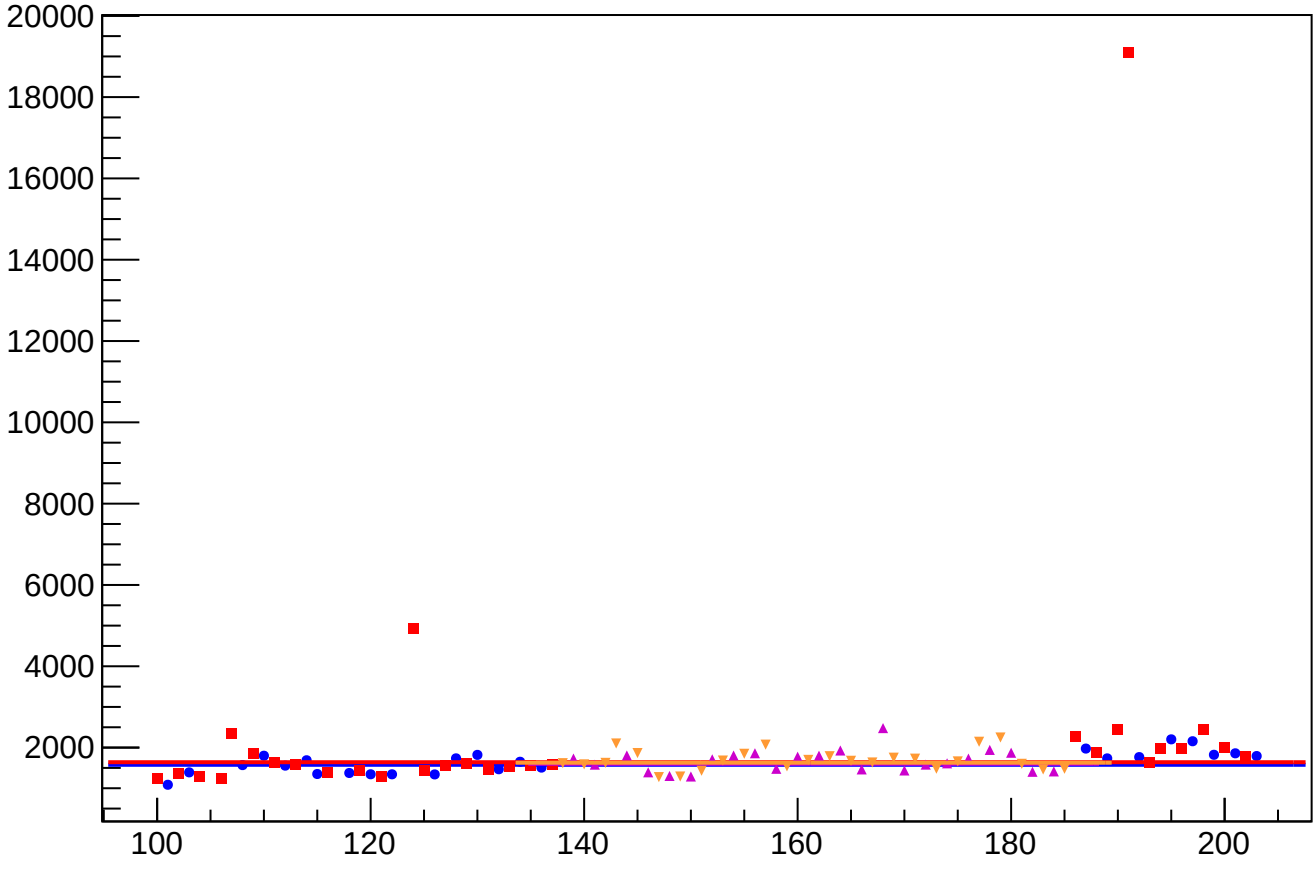
Right: 2577.380+/-312.838 χ^2/NDF: 47.9/52

In: 2288.867+/-287.787 χ^2/NDF:42.2/46

Out: 2194.445+/-286.255 χ^2/NDF:54.8/53

All: 2241.404+/-202.952 χ^2/NDF: 97.0/100

asym_us_agg_avg_rms vs Slug, Sign Corrected



Right In: 1576.888+/-0.313 χ^2/NDF: 841053.9/23

Left Out: 1628.479+/-0.265 χ^2/NDF:779094.7/24

Right Out: 1640.279+/-0.313 χ^2/NDF: 1347267.5/28

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

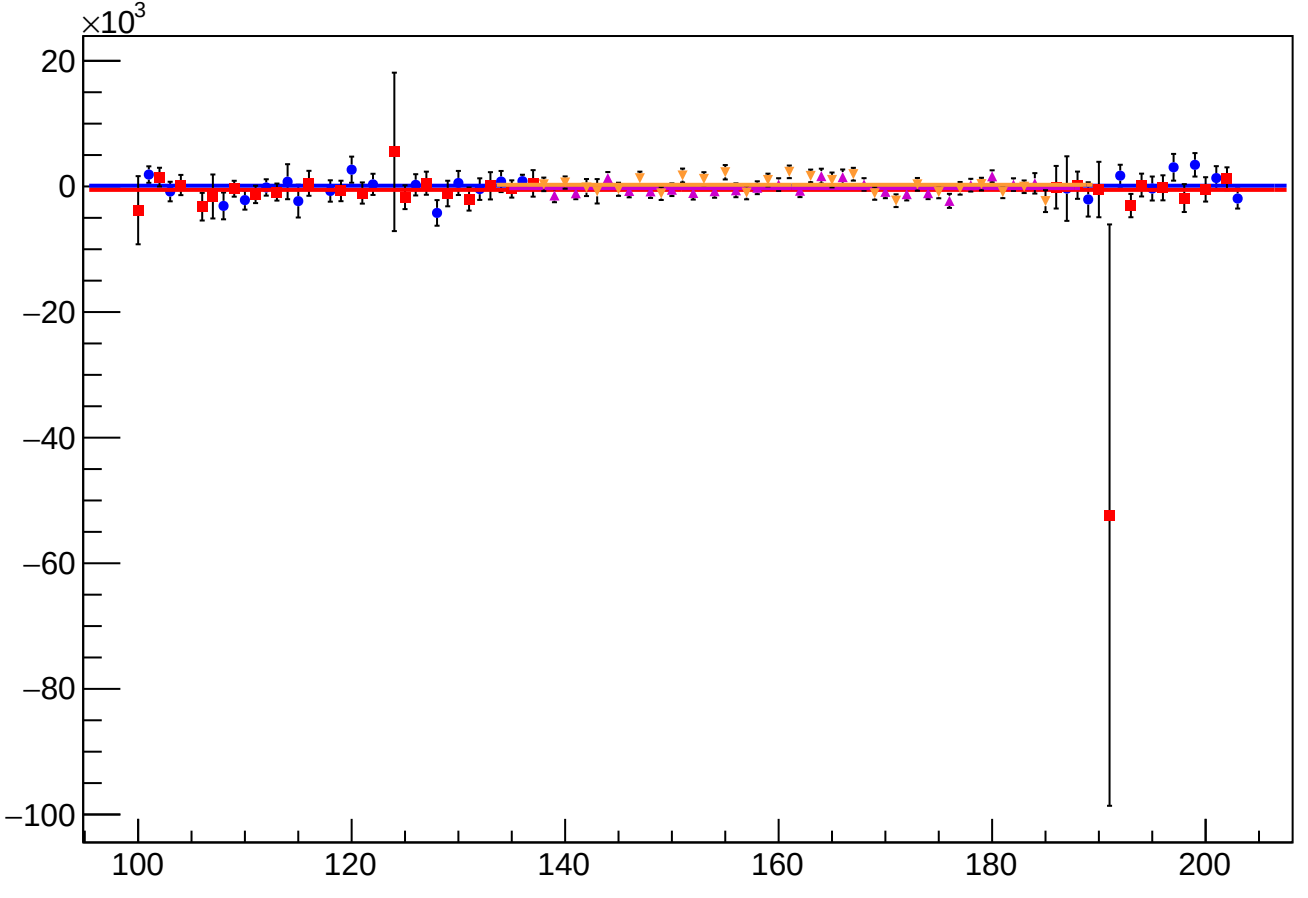
Left: 1615.122+/-0.189 χ^2/NDF: 1577935.0/47

Right: 1608.550+/-0.221 χ^2/NDF: 2208851.1/52

In: 1591.073+/-0.203 χ^2/NDF:1638346.9/46

Out: 1633.414+/-0.202 χ^2/NDF:2127189.1/53

All: 1612.356+/-0.144 χ^2/NDF: 3787297.2/10



Right In: 116.987+/-355.735 χ^2/NDF: 23.4/23

Left Out: 262.383+/-214.962 χ^2/NDF:33.9/24

Right Out: -547.528+/-356.336 χ^2/NDF: 11.4/28

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

Left: 0.994+/-152.955 χ^2/NDF: 58.3/47

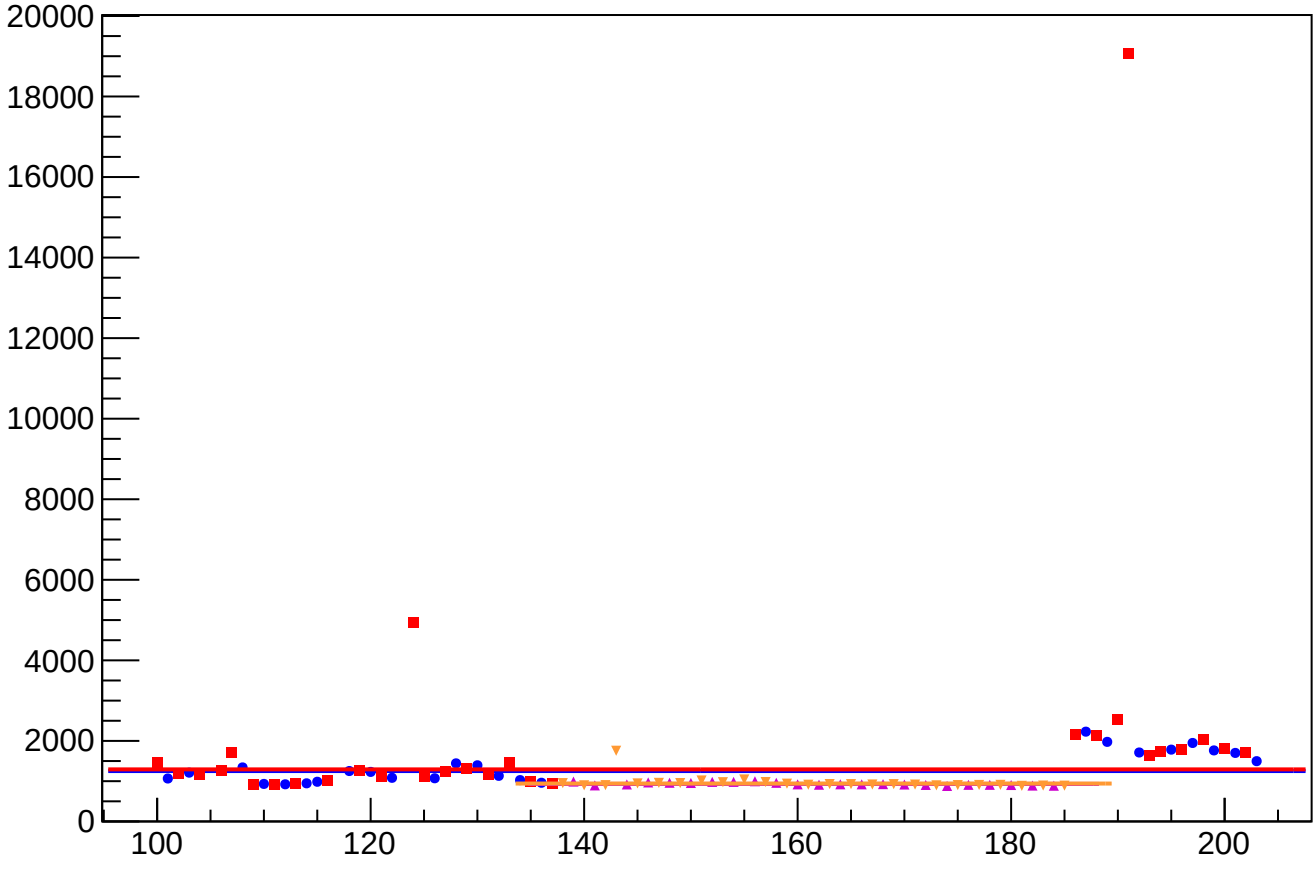
Right: -214.710+/-251.755 χ^2/NDF: 36.6/52

In: -162.430+/-185.679 χ^2/NDF:45.6/46

Out: 46.284+/-184.063 χ^2/NDF:49.2/53

All: -57.161+/-130.720 χ^2/NDF: 95.4/100

asym_us_agg_dd_rms vs Slug, Sign Corrected



Right In: 1251.399+/-0.252 χ^2/NDF: 1617123.7/23

Left Out: 941.013+/-0.152 χ^2/NDF:417710.2/24

Right Out: 1292.908+/-0.252 χ^2/NDF: 2607235.3/28

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

Left: 936.347+/-0.108 χ^2/NDF: 468535.2/47

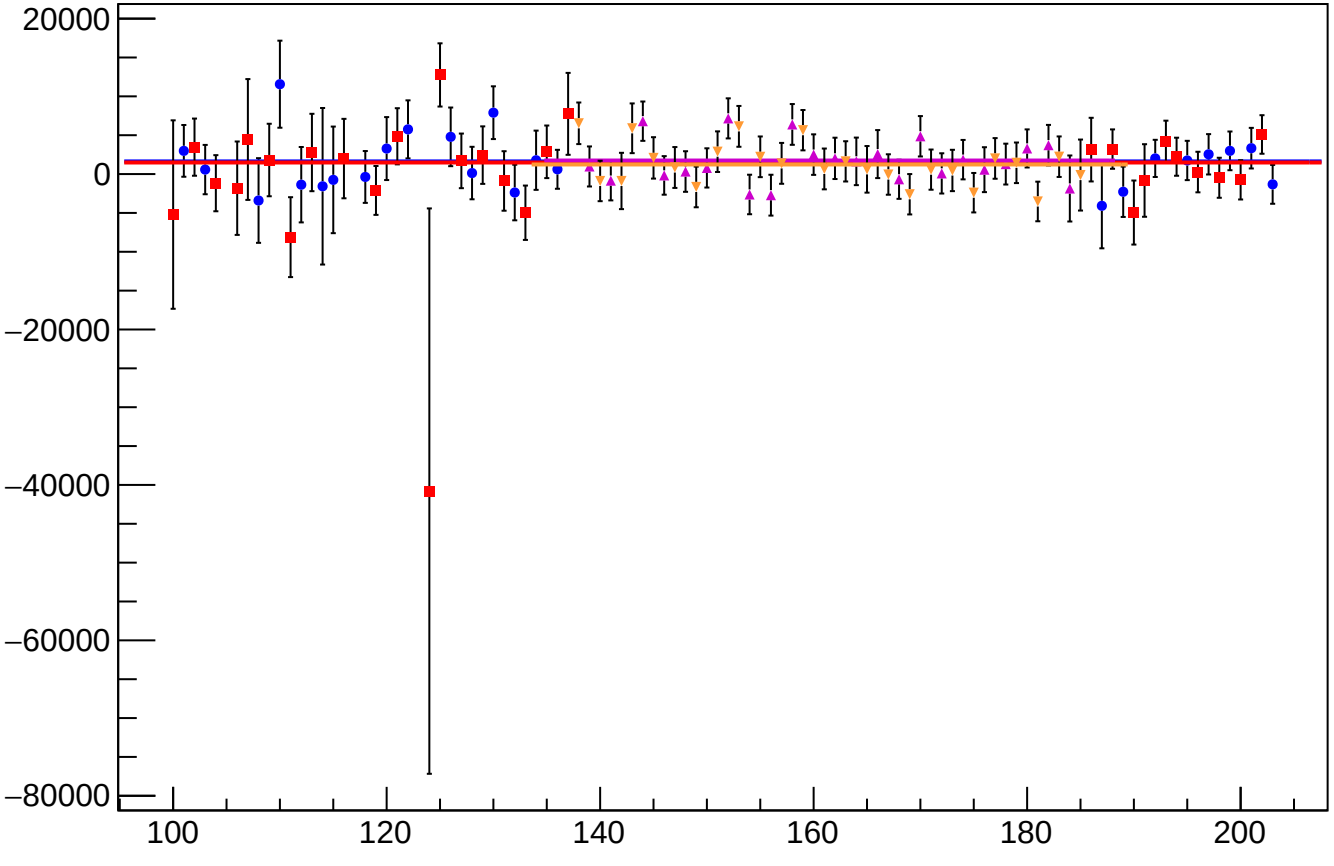
Right: 1272.119+/-0.178 χ^2/NDF: 4237951.7/52

In: 1018.699+/-0.131 χ^2/NDF:2842295.5/46

Out: 1034.905+/-0.130 χ^2/NDF:4454985.9/53

All: 1026.873+/-0.092 χ^2/NDF: 7304966.5/10

reg_asym_atl1_mean vs Slug, Sign Corrected



Right In: 1627.656+/-677.555 χ^2/NDF: 17.2/23

Left Out: 1234.728+/-541.289 χ^2/NDF:23.9/24

Right Out: 1488.729+/-663.204 χ^2/NDF: 29.9/28

Left In: 1741.730+/-553.254 χ^2/NDF:24.4/22

Left: 1482.688+/-386.910 χ^2/NDF: 48.7/47

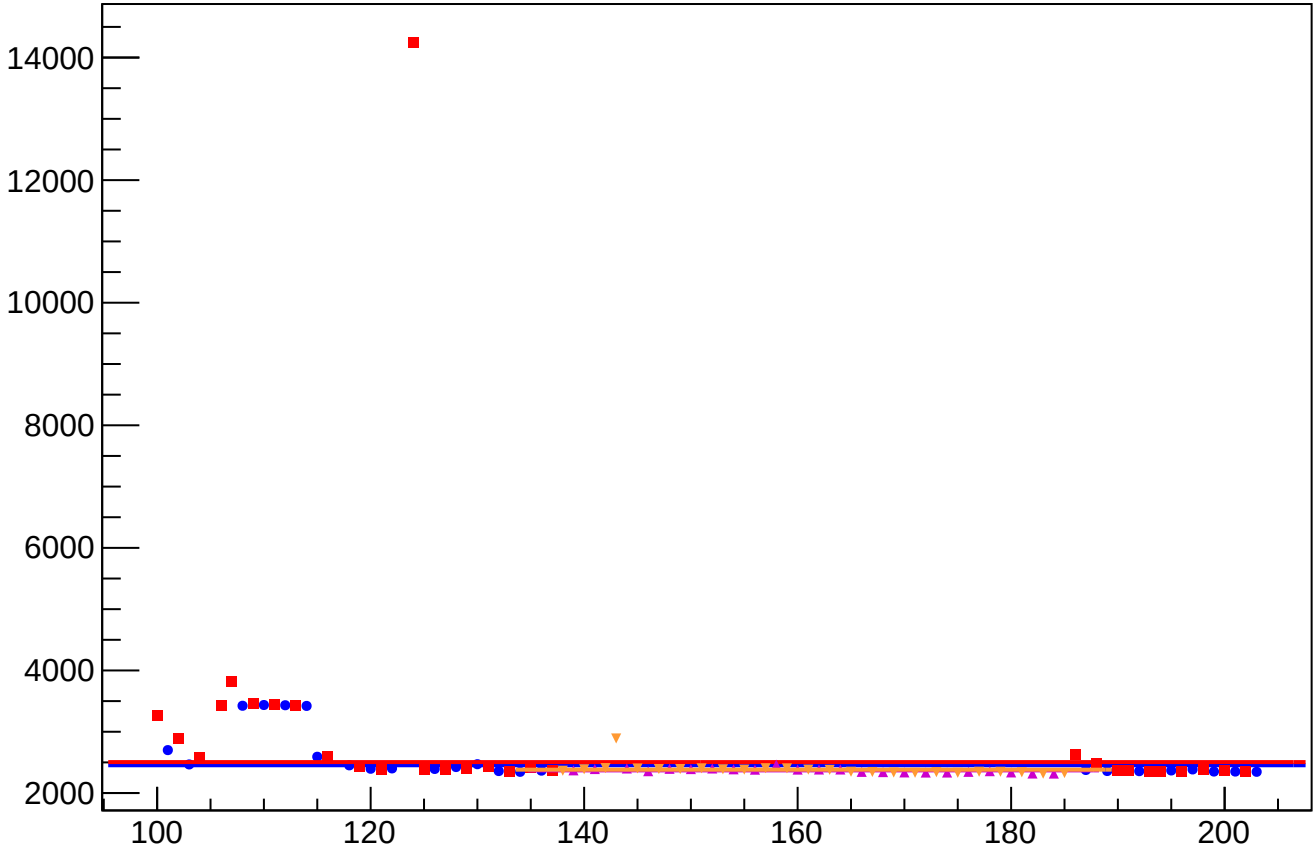
Right: 1556.705+/-473.948 χ^2/NDF: 47.1/52

In: 1696.097+/-428.539 χ^2/NDF:41.6/46

Out: 1336.280+/-419.347 χ^2/NDF:53.9/53

All: 1512.289+/-299.720 χ^2/NDF: 95.8/100

reg_asym_atl1_rms vs Slug, Sign Corrected



Right In: 2453.274+/-0.479 χ^2/NDF: 263017.9/23

Left Out: 2381.235+/-0.383 χ^2/NDF:57623.2/24

Right Out: 2505.001+/-0.469 χ^2/NDF: 623408.7/28

Left In: 2369.384+/-0.391 χ^2/NDF:7034.0/22

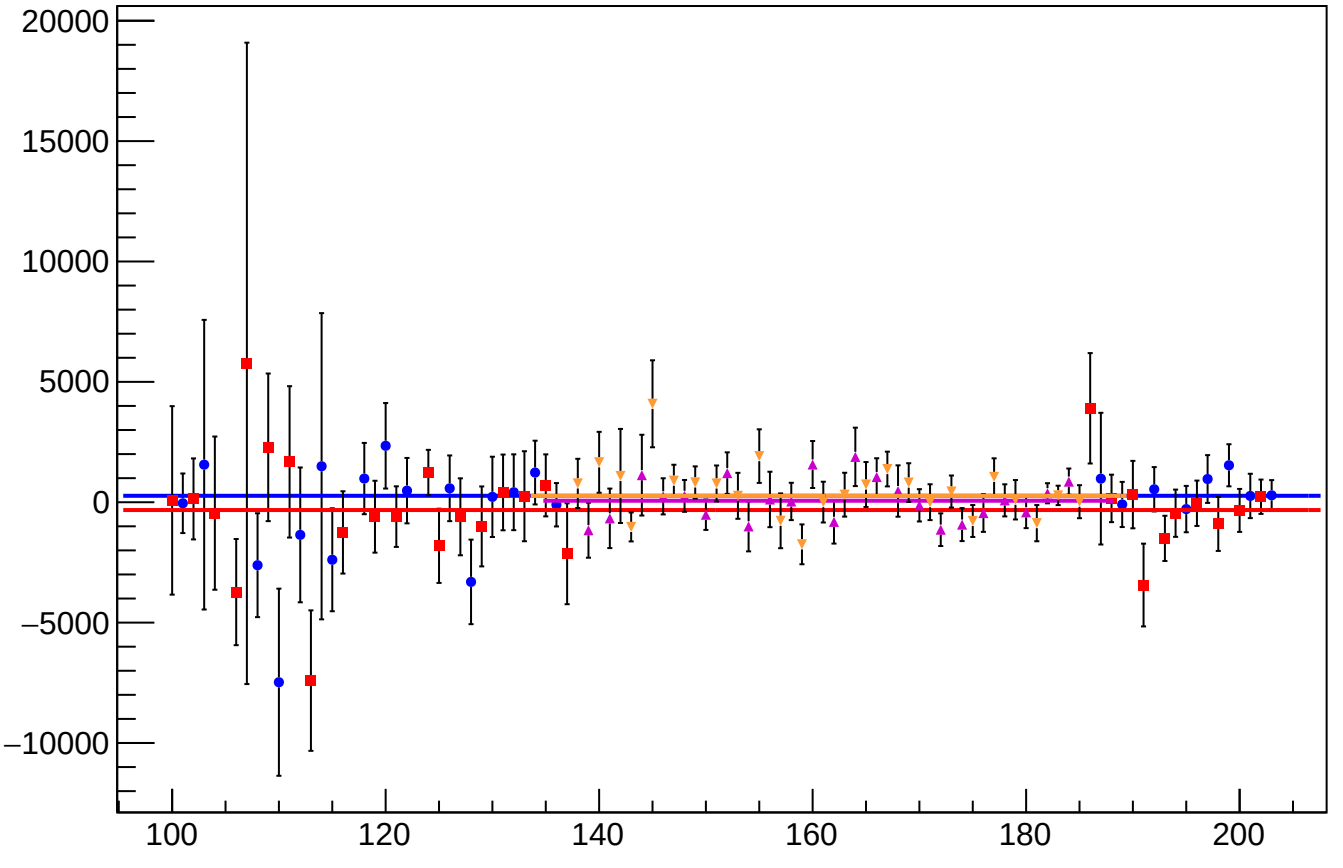
Left: 2375.439+/-0.274 χ^2/NDF: 65126.0/47

Right: 2479.691+/-0.335 χ^2/NDF: 892379.6/52

In: 2402.943+/-0.303 χ^2/NDF:288446.6/46

Out: 2430.718+/-0.297 χ^2/NDF:722836.7/53

All: 2417.132+/-0.212 χ^2/NDF: 1015575.3/10



Right In: 267.906+/-253.064 χ^2/NDF: 17.5/23

Left Out: 261.877+/-154.009 χ^2/NDF:31.1/24

Right Out: -324.040+/-252.537 χ^2/NDF: 25.3/28

Left In: 61.960+/-157.394 χ^2/NDF:22.0/22

Left: 164.091+/-110.078 χ^2/NDF: 53.9/47

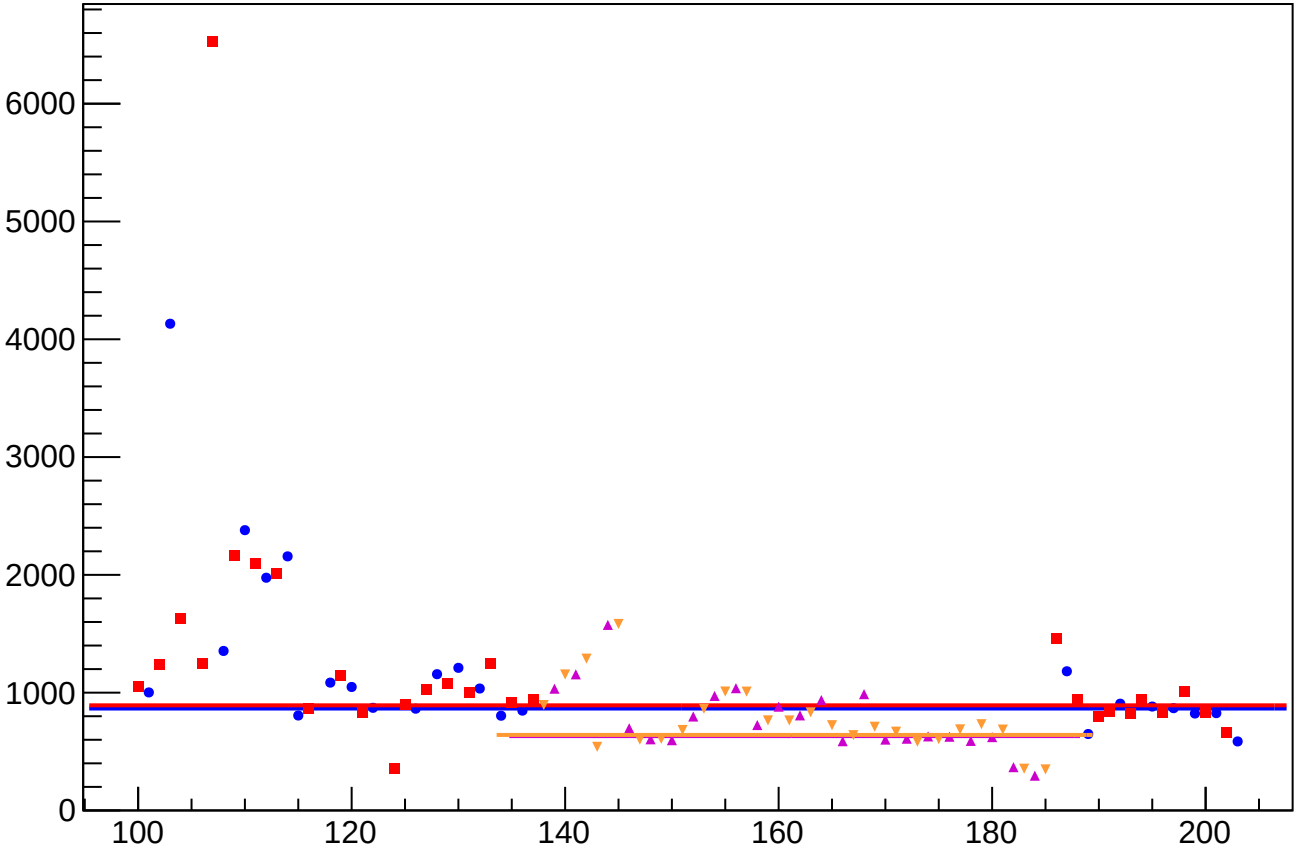
Right: -28.684+/-178.757 χ^2/NDF: 45.6/52

In: 119.404+/-133.652 χ^2/NDF:40.0/46

Out: 103.040+/-131.487 χ^2/NDF:60.3/53

All: 111.088+/-93.732 χ^2/NDF: 100.4/100

asym_atl1_reg_correction_rms vs Slug, Sign Corrected



Right In: 865.363+/-0.179 χ^2/NDF: 2191086.9/23

Left Out: 641.156+/-0.109 χ^2/NDF:3474860.7/24

Right Out: 892.477+/-0.179 χ^2/NDF: 2779708.4/28

Left In: 631.199+/-0.111 χ^2/NDF:3975438.6/22

Left: 636.286+/-0.078 χ^2/NDF: 7454389.1/47

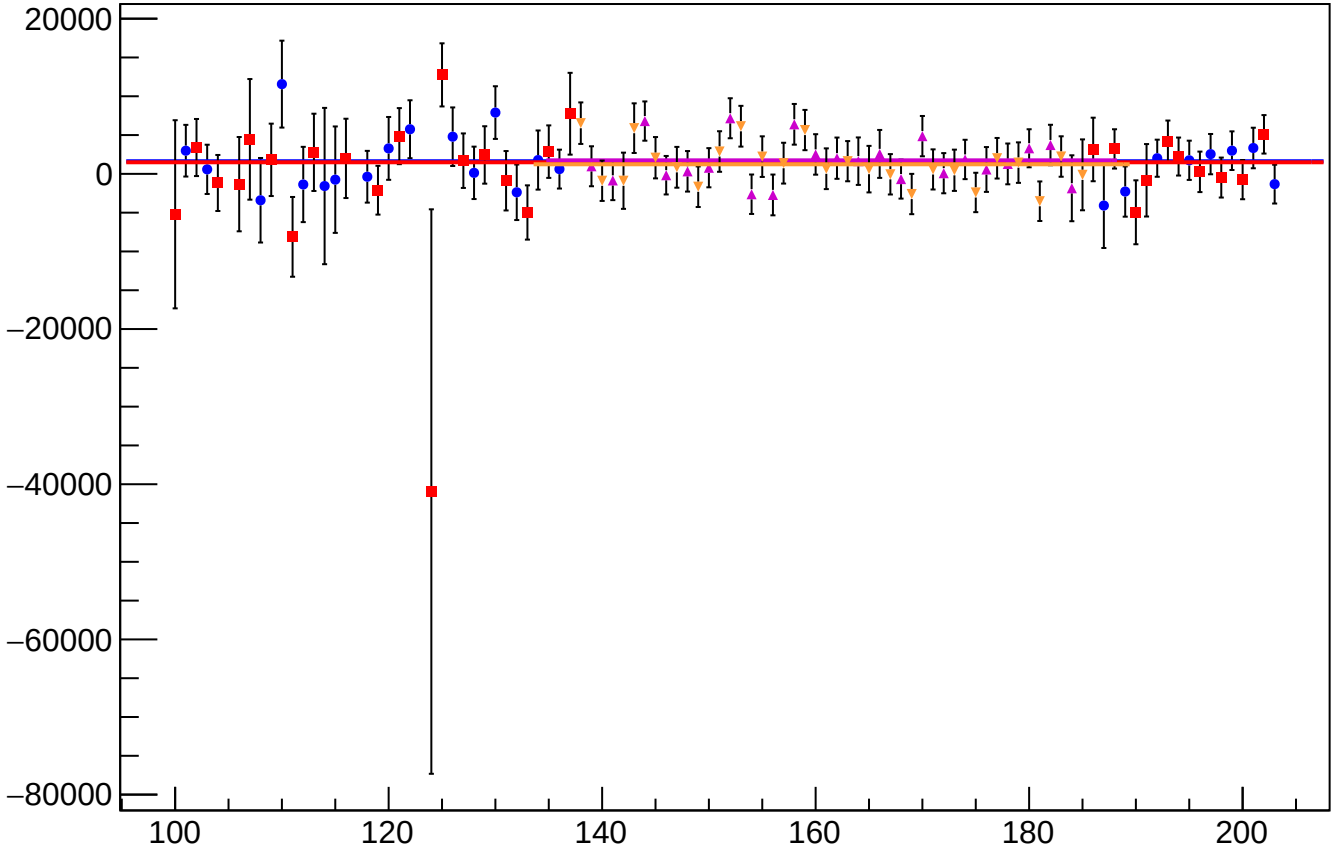
Right: 878.948+/-0.126 χ^2/NDF: 4982298.7/52

In: 696.513+/-0.095 χ^2/NDF:7401300.3/46

Out: 709.287+/-0.093 χ^2/NDF:7698369.5/53

All: 703.005+/-0.066 χ^2/NDF: 15108953.3/10

cor_asym_atl1_mean vs Slug, Sign Corrected



Right In: 1627.947+/-677.555 χ^2/NDF: 17.2/23

Left Out: 1234.706+/-541.289 χ^2/NDF:23.9/24

Right Out: 1493.167+/-663.295 χ^2/NDF: 29.8/28

Left In: 1741.784+/-553.254 χ^2/NDF:24.4/22

Left: 1482.702+/-386.910 χ^2/NDF: 48.7/47

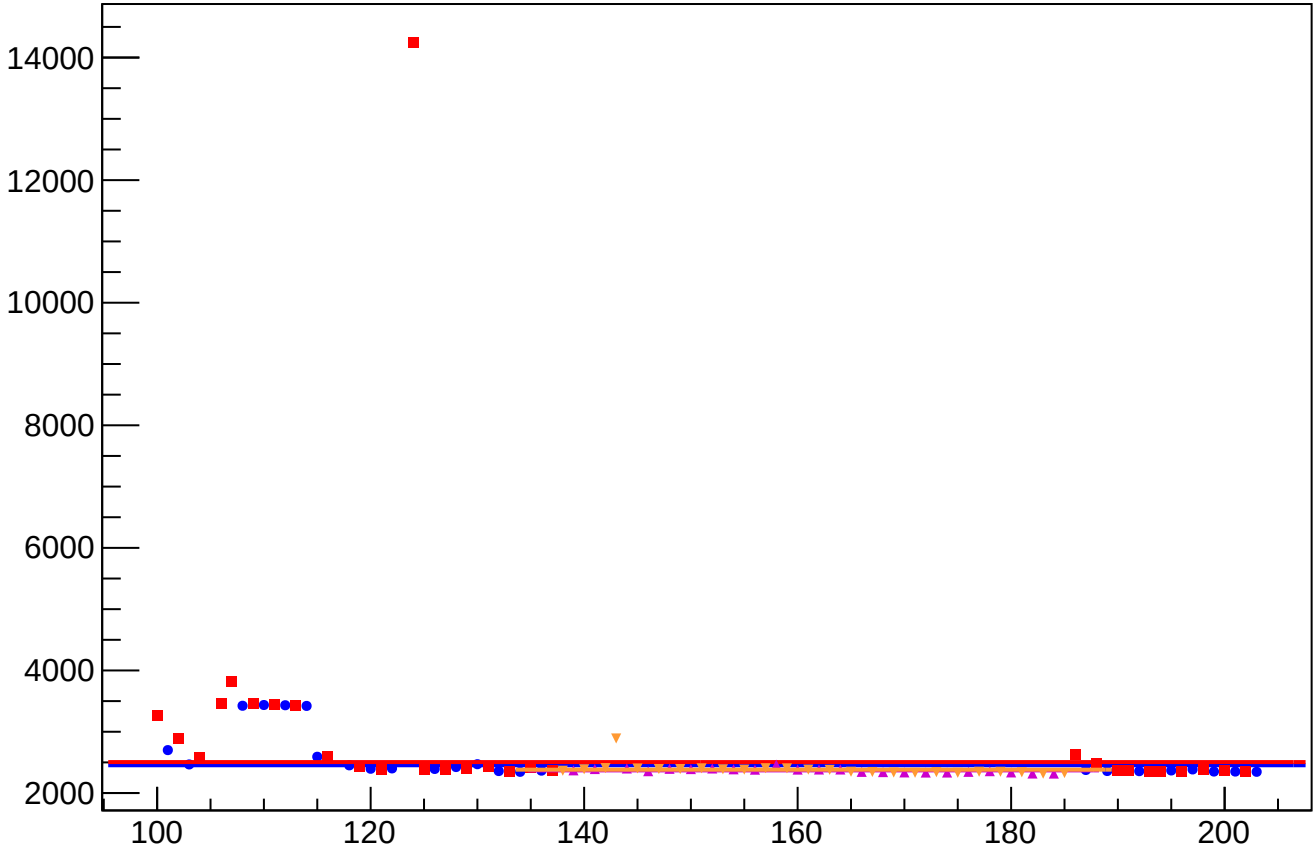
Right: 1559.123+/-473.982 χ^2/NDF: 47.0/52

In: 1696.246+/-428.539 χ^2/NDF:41.6/46

Out: 1338.024+/-419.370 χ^2/NDF:53.8/53

All: 1513.262+/-299.729 χ^2/NDF: 95.7/100

cor_asym_atl1_rms vs Slug, Sign Corrected



Right In: 2453.275+/-0.479 χ^2/NDF: 263017.9/23

Left Out: 2381.235+/-0.383 χ^2/NDF:57623.2/24

Right Out: 2505.214+/-0.469 χ^2/NDF: 626288.1/28

Left In: 2369.384+/-0.391 χ^2/NDF:7034.0/22

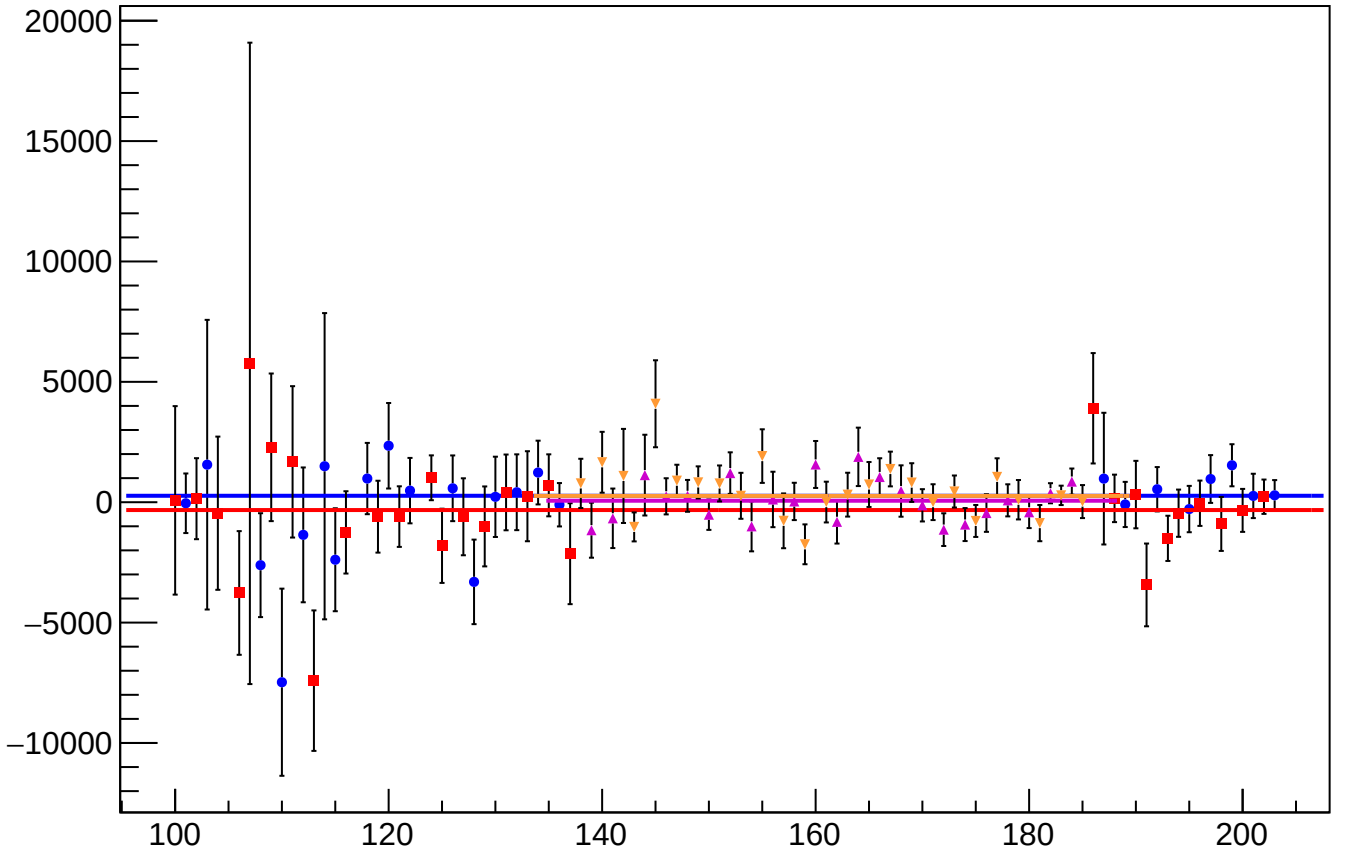
Left: 2375.439+/-0.274 χ^2/NDF: 65126.0/47

Right: 2479.797+/-0.335 χ^2/NDF: 895307.4/52

In: 2402.943+/-0.303 χ^2/NDF:288446.6/46

Out: 2430.795+/-0.297 χ^2/NDF:725853.2/53

All: 2417.170+/-0.212 χ^2/NDF: 1018615.4/10



Right In: 267.850+/-253.064 χ^2/NDF: 17.6/23

Left Out: 262.160+/-154.012 χ^2/NDF:31.1/24

Right Out: -325.321+/-252.734 χ^2/NDF: 24.1/28

Left In: 61.976+/-157.393 χ^2/NDF:22.0/22

Left: 164.242+/-110.079 χ^2/NDF: 53.9/47

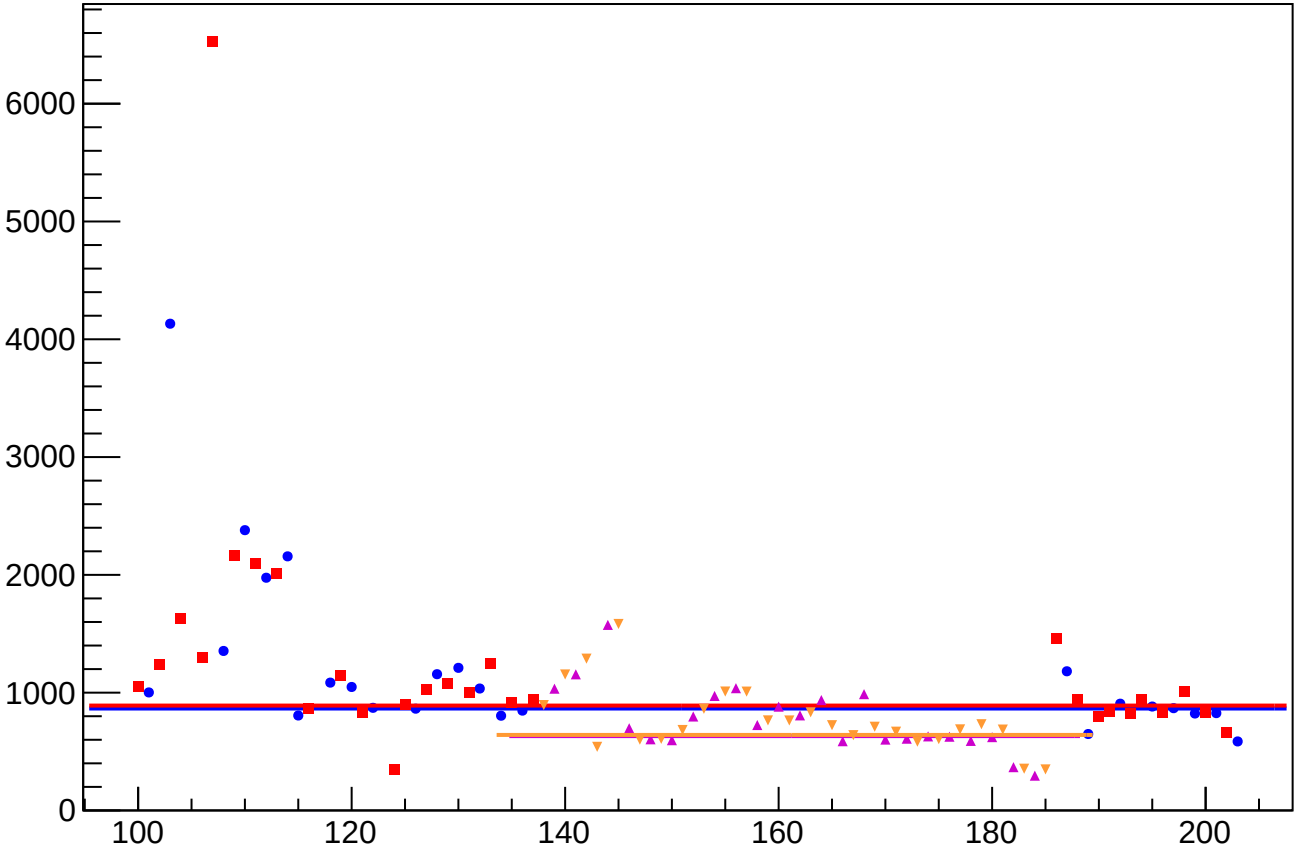
Right: -29.122+/-178.827 χ^2/NDF: 44.4/52

In: 119.400+/-133.652 χ^2/NDF:40.0/46

Out: 103.077+/-131.516 χ^2/NDF:59.1/53

All: 111.107+/-93.742 χ^2/NDF: 99.1/100

asym_atl1_cor_correction_rms vs Slug, Sign Corrected



Right In: 865.362+/-0.179 χ^2/NDF: 2191100.9/23

Left Out: 641.169+/-0.109 χ^2/NDF:3474589.1/24

Right Out: 890.357+/-0.179 χ^2/NDF: 2805609.1/28

Left In: 631.196+/-0.111 χ^2/NDF:3975563.1/22

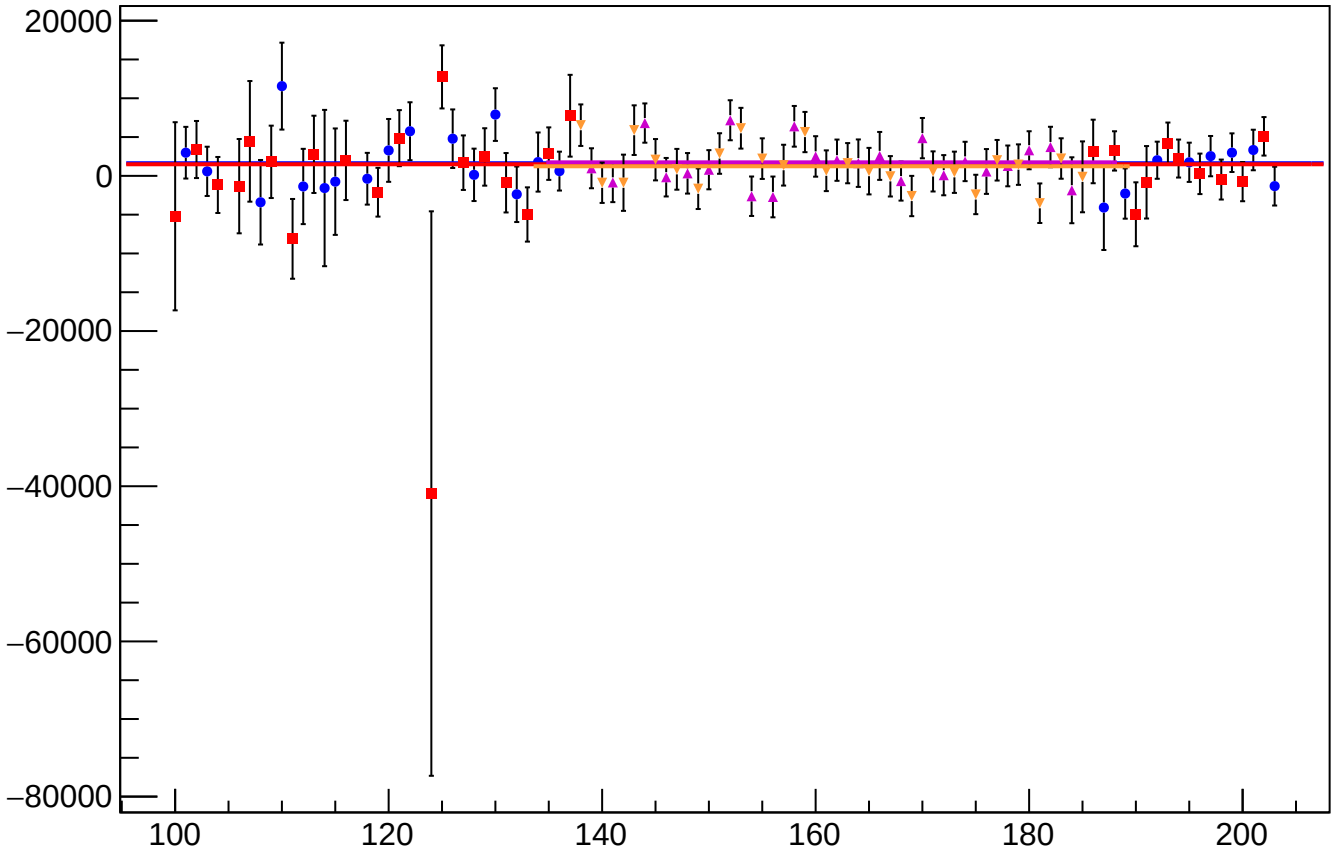
Left: 636.291+/-0.078 χ^2/NDF: 7454254.5/47

Right: 877.876+/-0.126 χ^2/NDF: 5006477.8/52

In: 696.511+/-0.095 χ^2/NDF:7401463.8/46

Out: 708.647+/-0.093 χ^2/NDF:7697975.2/53

All: 702.677+/-0.066 χ^2/NDF: 15107816.2/10



Right In: 1627.947+/-677.555 χ^2/NDF: 17.2/23

Left Out: 1234.706+/-541.289 χ^2/NDF:23.9/24

Right Out: 1493.167+/-663.295 χ^2/NDF: 29.8/28

Left In: 1741.784+/-553.254 χ^2/NDF:24.4/22

Left: 1482.702+/-386.910 χ^2/NDF: 48.7/47

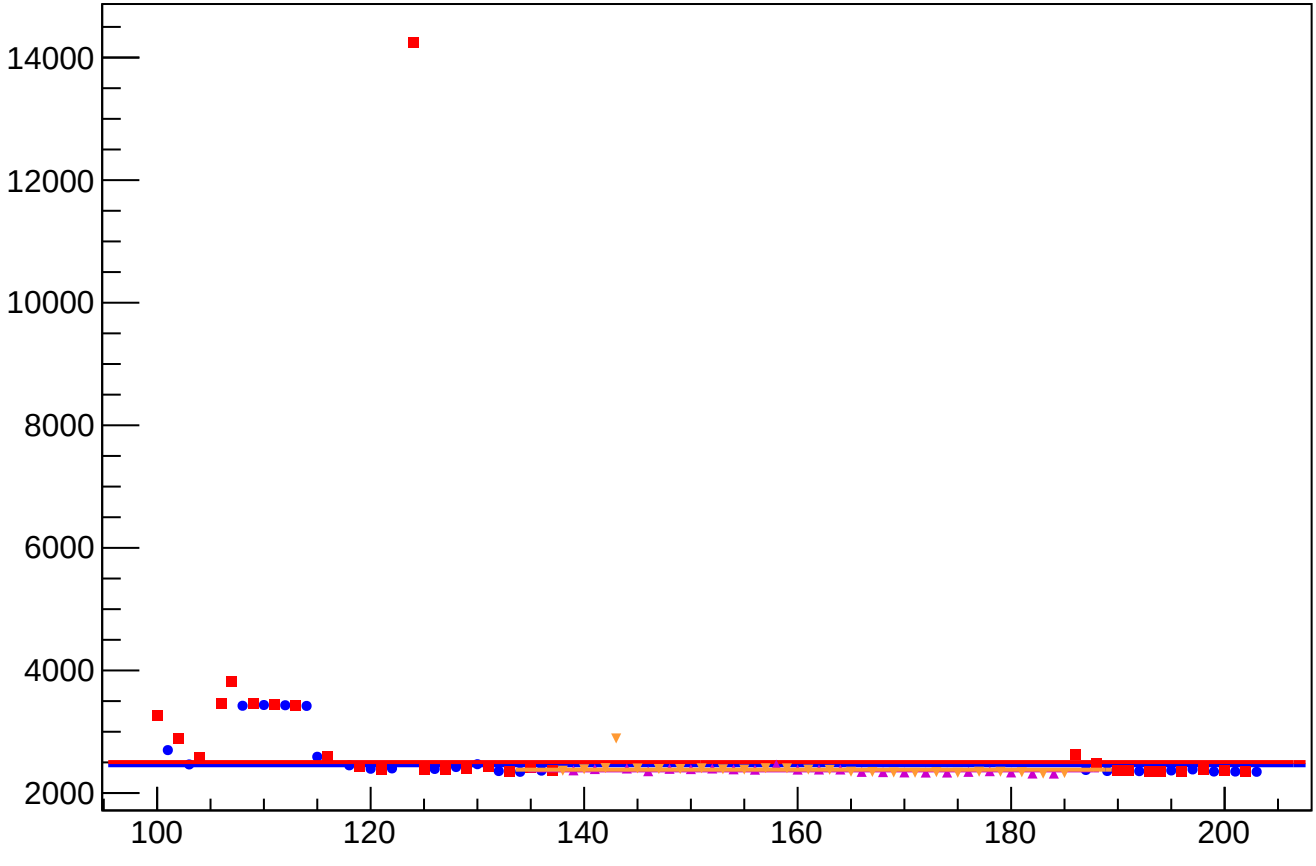
Right: 1559.123+/-473.982 χ^2/NDF: 47.0/52

In: 1696.246+/-428.539 χ^2/NDF:41.6/46

Out: 1338.024+/-419.370 χ^2/NDF:53.8/53

All: 1513.262+/-299.729 χ^2/NDF: 95.7/100

eigen_cor_asym_atl1_rms vs Slug, Sign Corrected



Right In: 2453.275+/-0.479 χ^2/NDF: 263017.9/23

Left Out: 2381.235+/-0.383 χ^2/NDF:57623.2/24

Right Out: 2505.214+/-0.469 χ^2/NDF: 626288.1/28

Left In: 2369.384+/-0.391 χ^2/NDF:7034.0/22

Left: 2375.439+/-0.274 χ^2/NDF: 65126.0/47

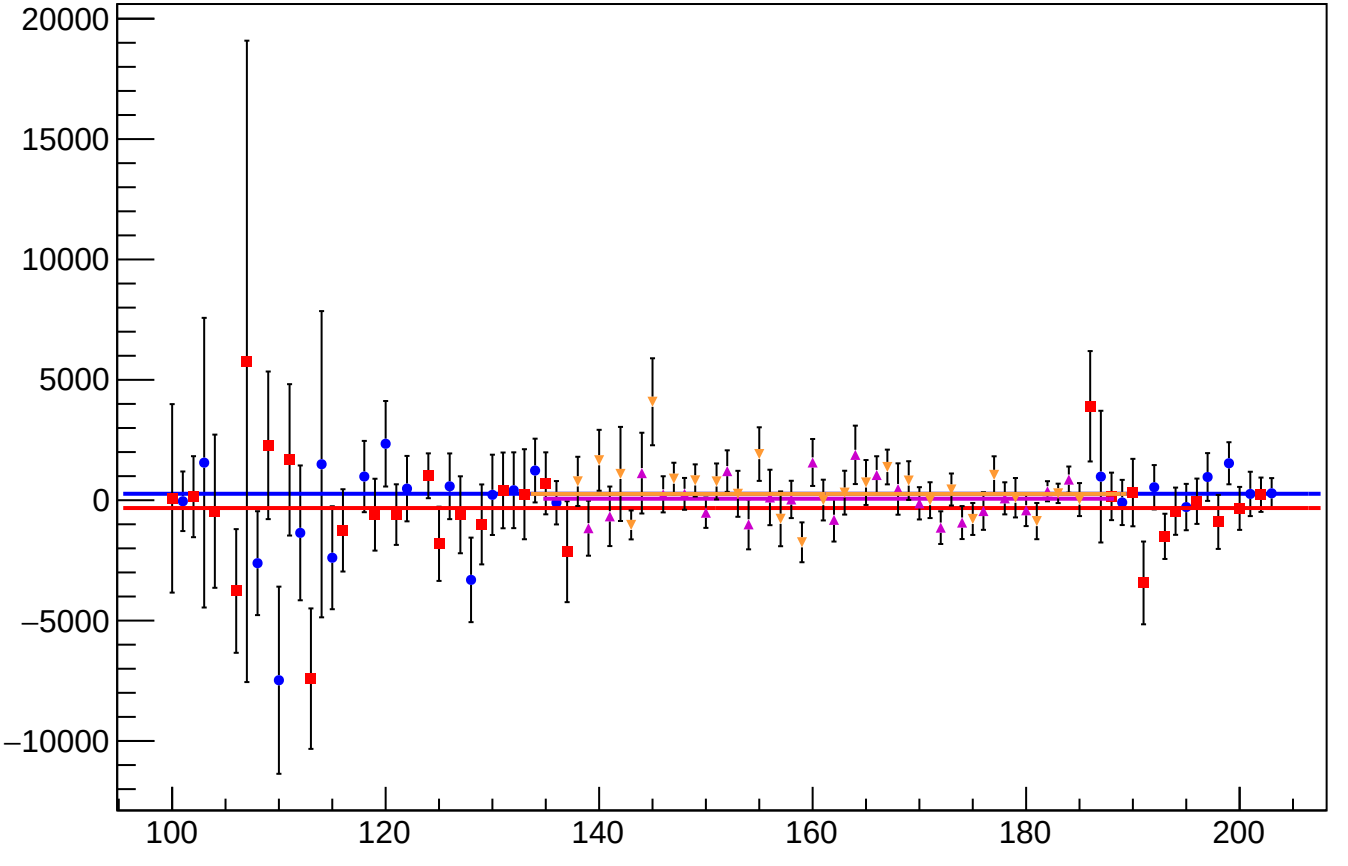
Right: 2479.797+/-0.335 χ^2/NDF: 895307.4/52

In: 2402.943+/-0.303 χ^2/NDF:288446.6/46

Out: 2430.795+/-0.297 χ^2/NDF:725853.2/53

All: 2417.170+/-0.212 χ^2/NDF: 1018615.4/10

asym_atl1_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: 267.850+/-253.064 χ^2/NDF: 17.6/23

Left Out: 262.160+/-154.012 χ^2/NDF:31.1/24

Right Out: -325.321+/-252.734 χ^2/NDF: 24.1/28

Left In: 61.976+/-157.393 χ^2/NDF:22.0/22

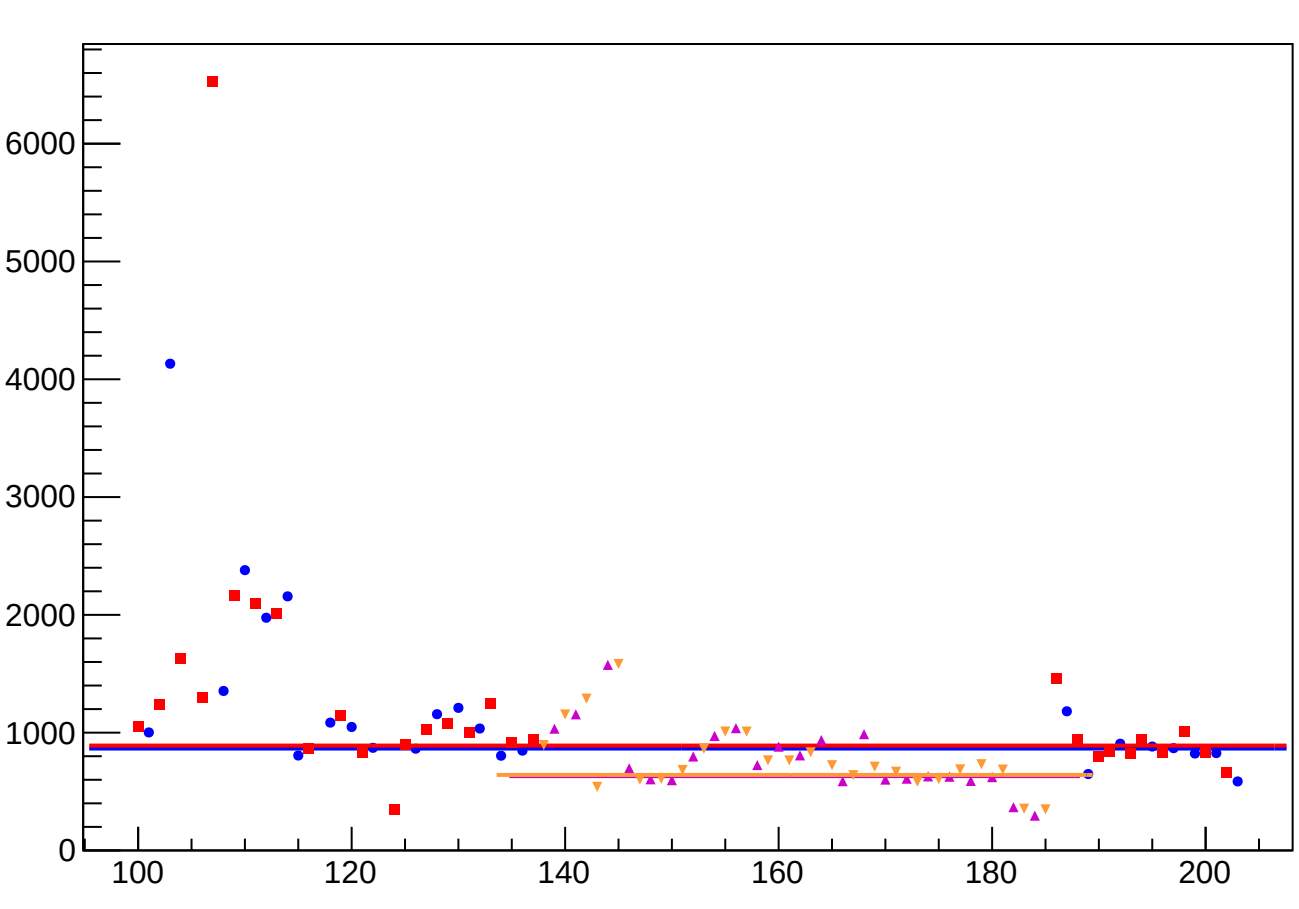
Left: 164.242+/-110.079 χ^2/NDF: 53.9/47

Right: -29.122+/-178.827 χ^2/NDF: 44.4/52

In: 119.400+/-133.652 χ^2/NDF:40.0/46

Out: 103.077+/-131.516 χ^2/NDF:59.1/53

All: 111.107+/-93.742 χ^2/NDF: 99.1/100



Right In: 865.362+/-0.179 χ^2/NDF: 2191100.9/23

Left Out: 641.169+/-0.109 χ^2/NDF:3474589.1/24

Right Out: 890.357+/-0.179 χ^2/NDF: 2805609.1/28

Left In: 631.196+/-0.111 χ^2/NDF:3975563.1/22

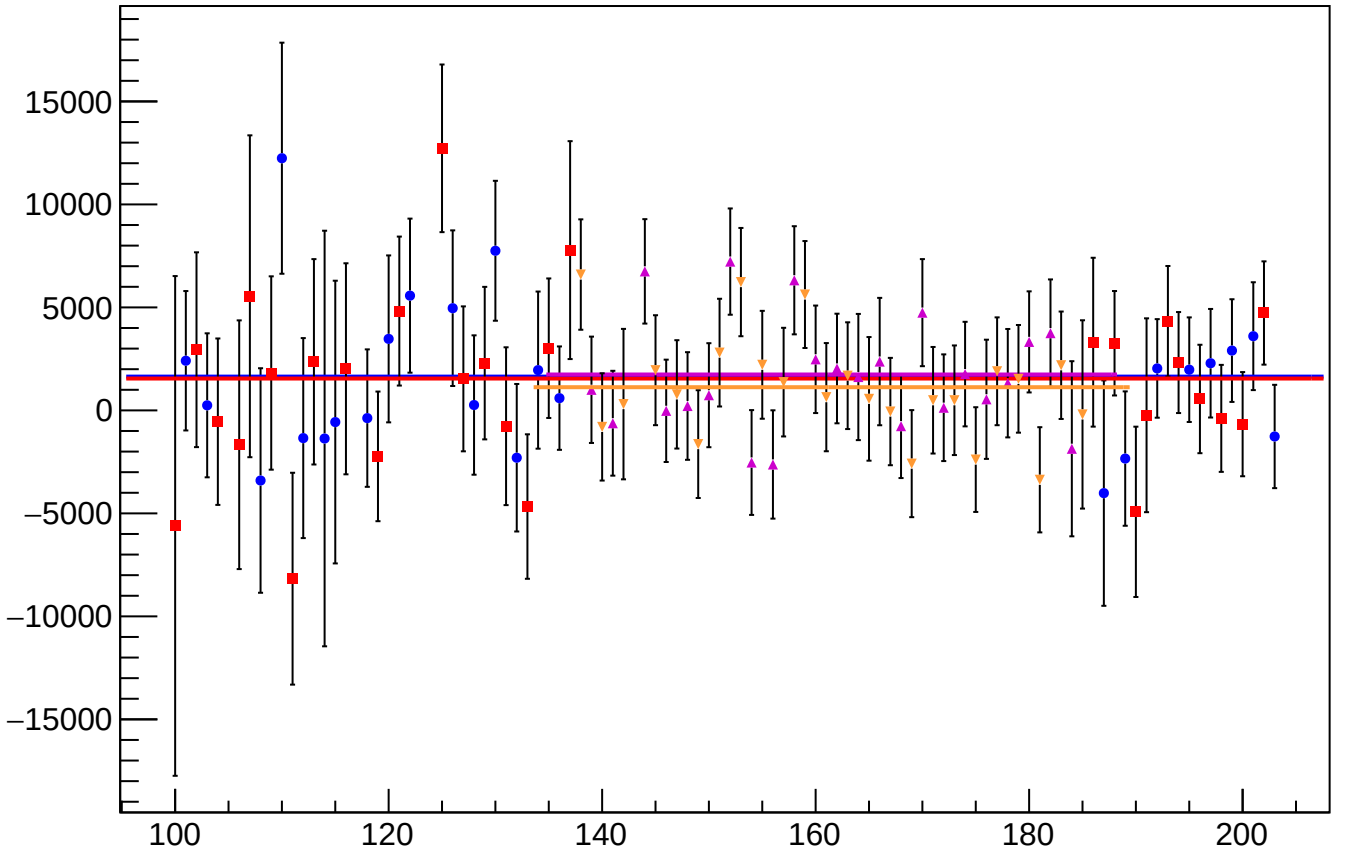
Left: 636.291+/-0.078 χ^2/NDF: 7454254.5/47

Right: 877.876+/-0.126 χ^2/NDF: 5006477.8/52

In: 696.511+/-0.095 χ^2/NDF:7401463.8/46

Out: 708.647+/-0.093 χ^2/NDF:7697975.2/53

All: 702.677+/-0.066 χ^2/NDF: 15107816.2/10



Right In: 1639.854+/-682.495 χ^2/NDF: 17.3/23

Left Out: 1125.562+/-549.834 χ^2/NDF:21.2/23

Right Out: 1546.970+/-672.078 χ^2/NDF: 27.3/27

Left In: 1742.304+/-553.755 χ^2/NDF:23.8/22

Left: 1431.742+/-390.170 χ^2/NDF: 45.6/46

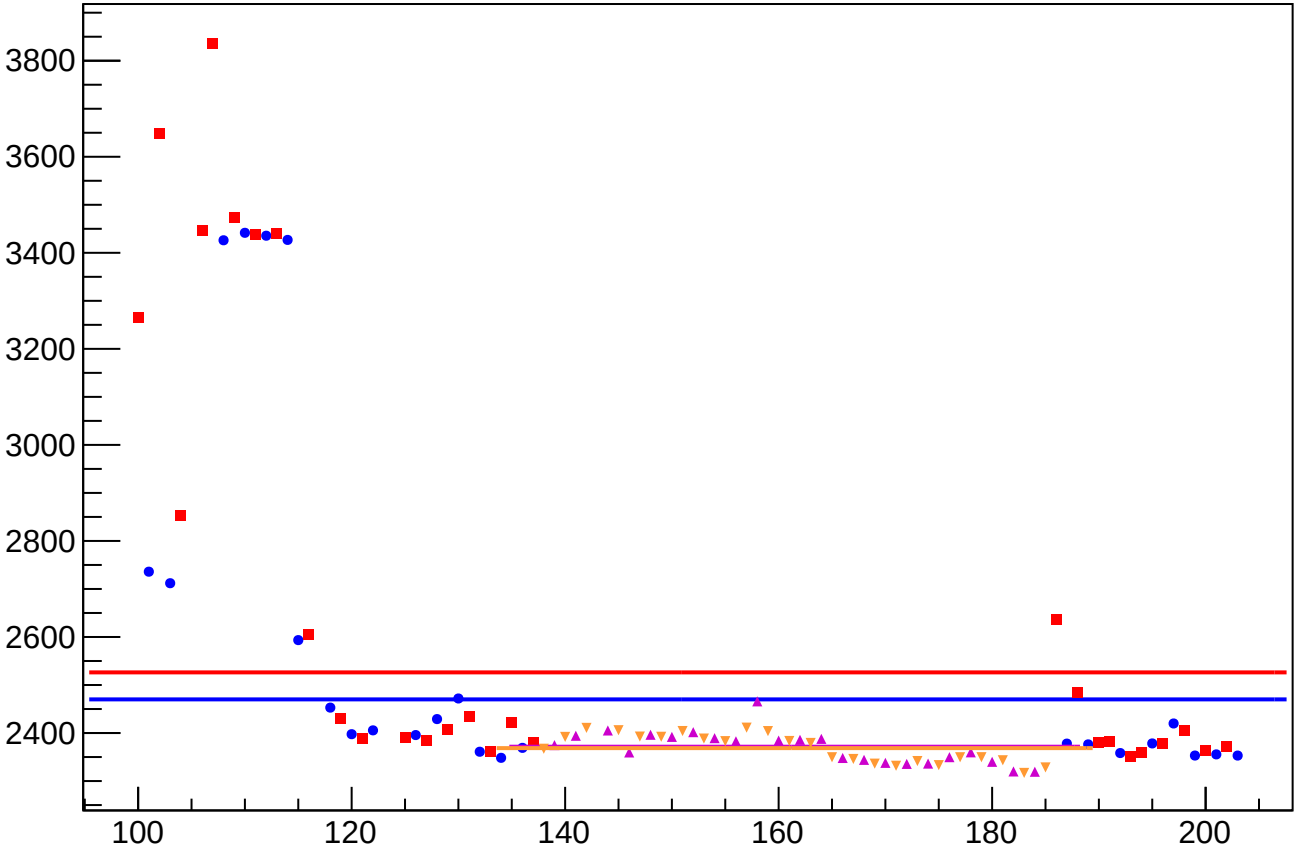
Right: 1592.697+/-478.872 χ^2/NDF: 44.6/51

In: 1701.634+/-430.015 χ^2/NDF:41.0/46

Out: 1294.524+/-425.563 χ^2/NDF:48.7/51

All: 1495.961+/-302.480 χ^2/NDF: 90.2/98

dit_asym_atl1_rms vs Slug, Sign Corrected



Right In: 2470.054+/-0.483 χ^2/NDF: 273183.8/23

Left Out: 2368.569+/-0.389 χ^2/NDF:5571.3/23

Right Out: 2526.274+/-0.475 χ^2/NDF: 519924.8/27

Left In: 2371.518+/-0.392 χ^2/NDF:7053.5/22

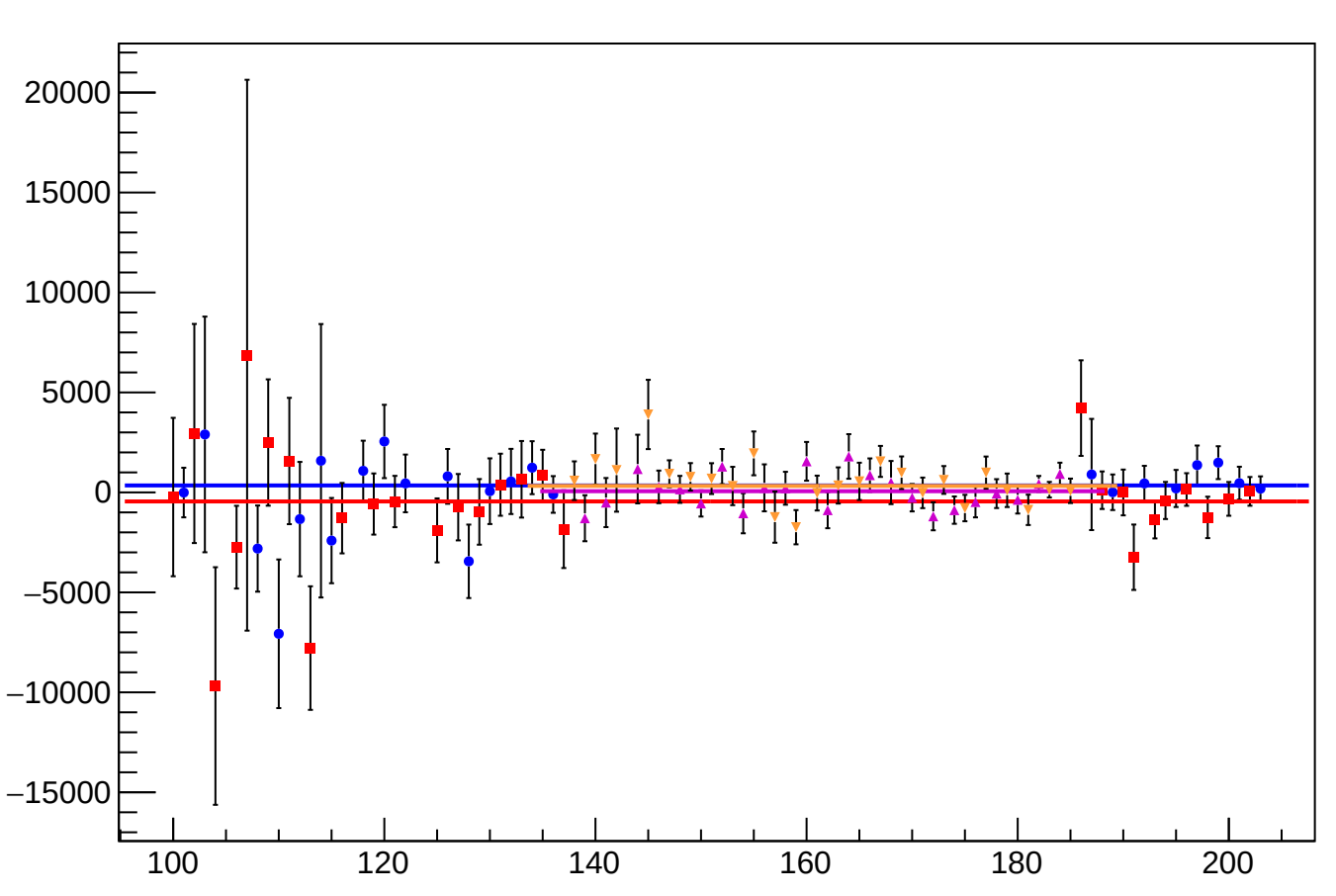
Left: 2370.033+/-0.276 χ^2/NDF: 12653.4/46

Right: 2498.596+/-0.339 χ^2/NDF: 799998.5/51

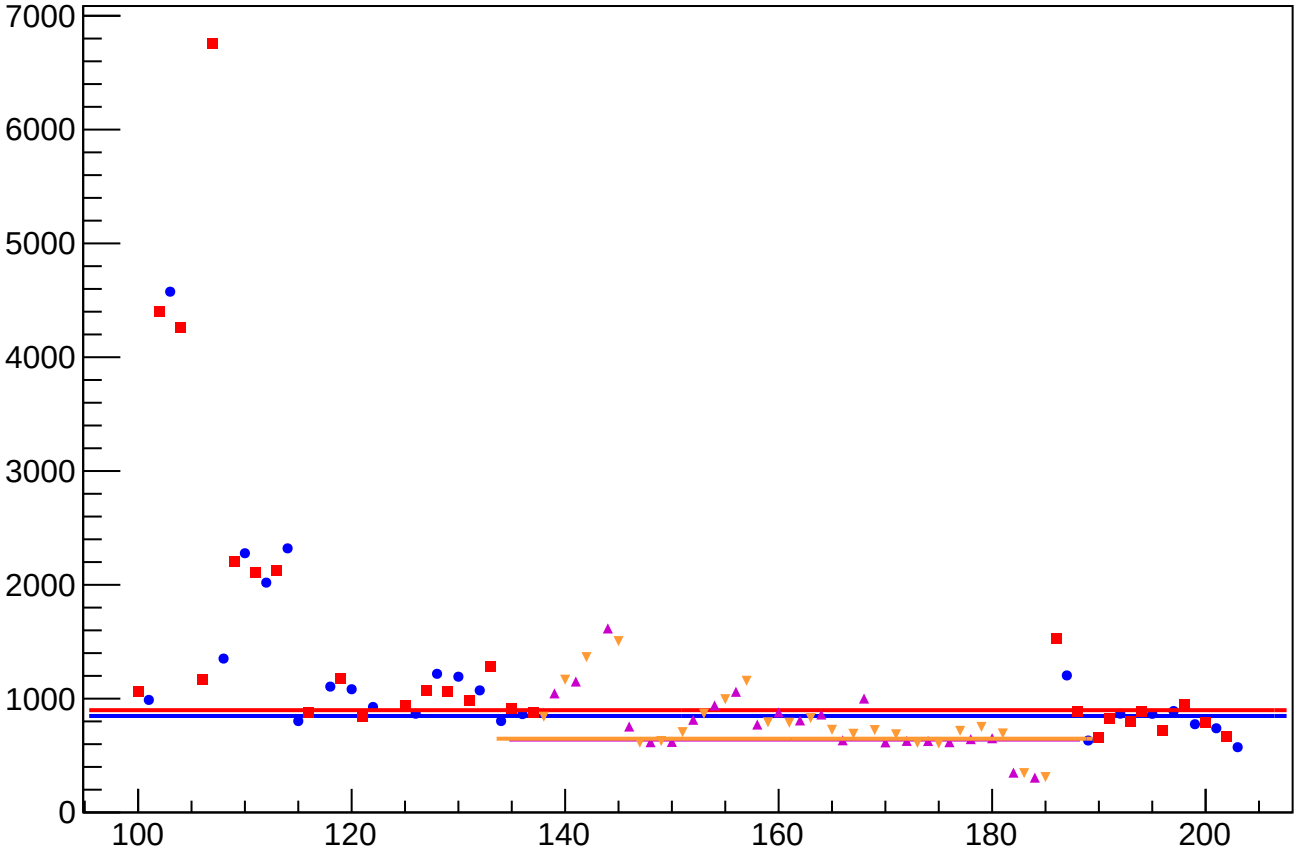
In: 2410.635+/-0.304 χ^2/NDF:305376.3/46

Out: 2431.800+/-0.301 χ^2/NDF:591465.8/51

All: 2421.328+/-0.214 χ^2/NDF: 899290.0/98


asym_atl1_dit_correction_mean vs Slug, Sign Corrected
20000
15000
10000
5000
0
−5000
−10000
−15000
100
120
140
160
180
200
Right In: 348.094+/-247.197 χ²/NDF: 18.6/23
Left Out: 325.955+/-160.041 χ²/NDF:26.8/23
Right Out: -451.810+/-255.754 χ²/NDF: 24.5/27
Left In: 59.619+/-159.669 χ²/NDF:22.7/22
Left: 192.477+/-113.035 χ²/NDF: 50.9/46
Right: -38.254+/-177.743 χ²/NDF: 48.1/51
In: 144.543+/-134.123 χ²/NDF:42.2/46
Out: 107.098+/-135.668 χ²/NDF:57.9/51
All: 126.035+/-95.381 χ²/NDF: 100.2/98

asym_atl1_dit_correction_rms vs Slug, Sign Corrected



Right In: 847.728+/-0.175 χ^2/NDF: 2572801.2/23

Left Out: 648.100+/-0.113 χ^2/NDF:3886991.8/23

Right Out: 898.735+/-0.181 χ^2/NDF: 3602093.5/27

Left In: 640.422+/-0.113 χ^2/NDF:4128760.4/22

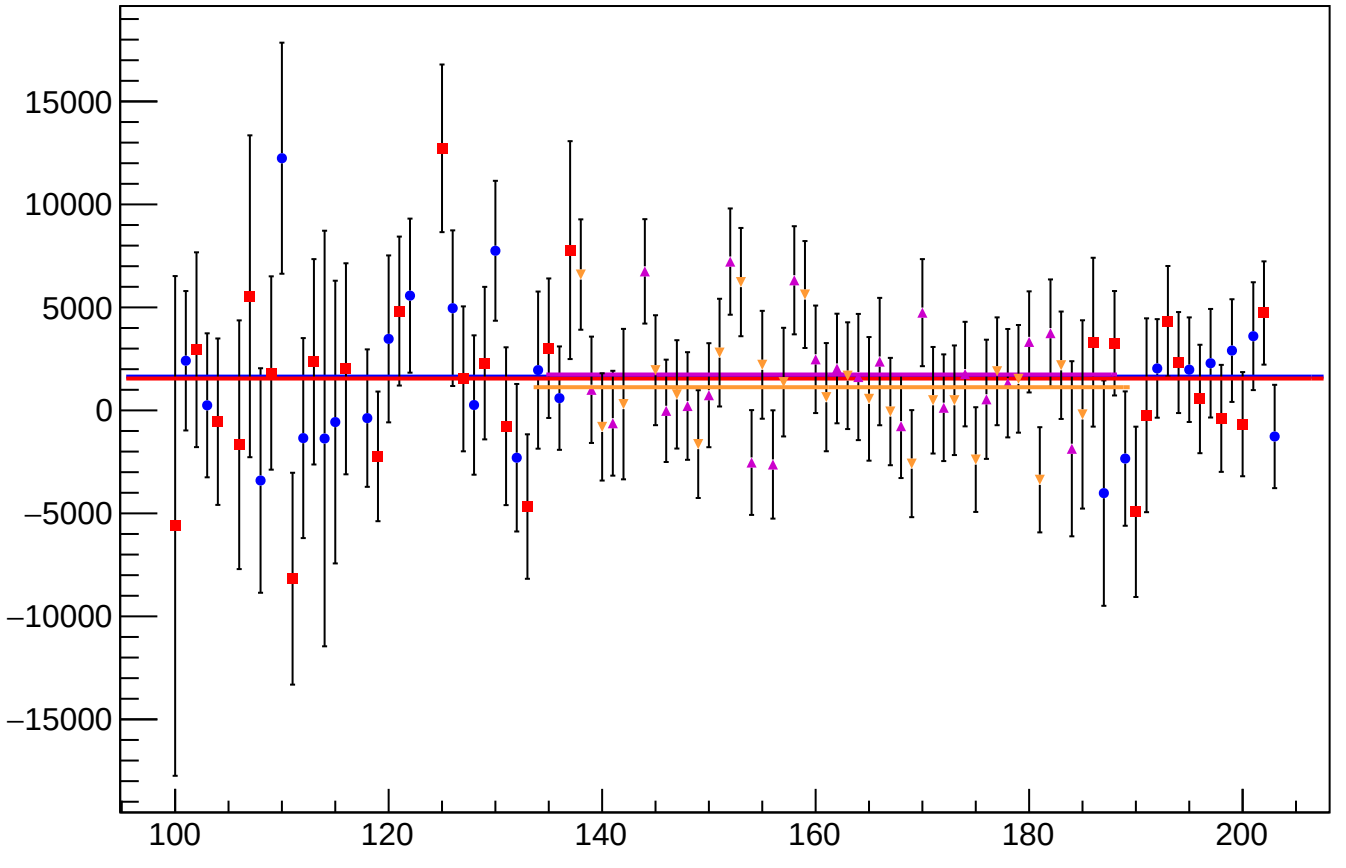
Left: 644.252+/-0.080 χ^2/NDF: 8018059.4/46

Right: 872.364+/-0.126 χ^2/NDF: 6216023.1/51

In: 701.451+/-0.095 χ^2/NDF:7694068.0/46

Out: 718.627+/-0.096 χ^2/NDF:8869345.5/51

All: 709.941+/-0.067 χ^2/NDF: 16579626.3/98



Right In: 1639.852+/-682.495 χ^2/NDF: 17.3/23

Left Out: 1125.562+/-549.834 χ^2/NDF:21.2/23

Right Out: 1546.968+/-672.078 χ^2/NDF: 27.3/27

Left In: 1742.305+/-553.755 χ^2/NDF:23.8/22

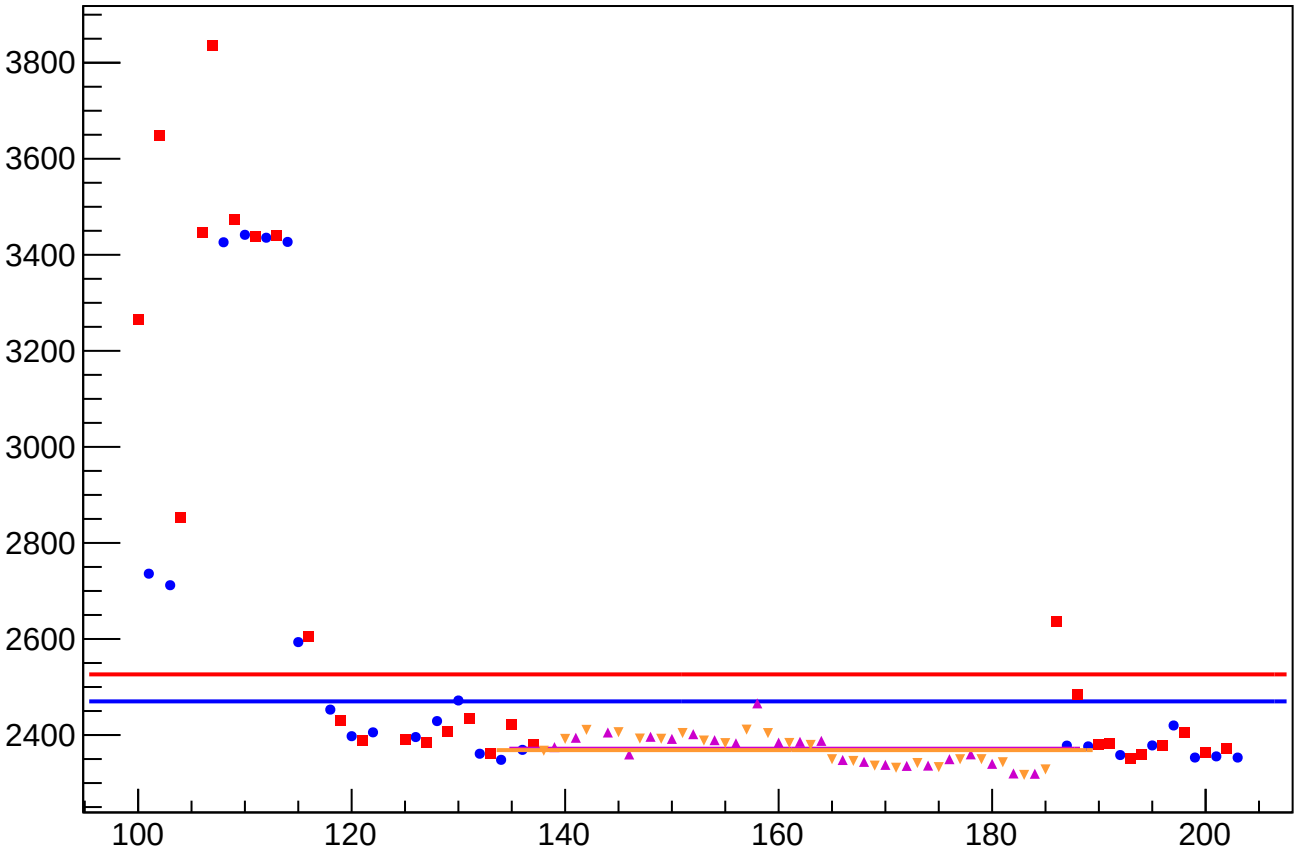
Left: 1431.742+/-390.170 χ^2/NDF: 45.6/46

Right: 1592.696+/-478.872 χ^2/NDF: 44.6/51

In: 1701.633+/-430.015 χ^2/NDF:41.0/46

Out: 1294.524+/-425.563 χ^2/NDF:48.7/51

All: 1495.960+/-302.480 χ^2/NDF: 90.2/98



Right In: 2470.053+/-0.483 χ^2/NDF: 273183.4/23

Left Out: 2368.569+/-0.389 χ^2/NDF:5571.3/23

Right Out: 2526.273+/-0.475 χ^2/NDF: 519924.0/27

Left In: 2371.518+/-0.392 χ^2/NDF:7053.5/22

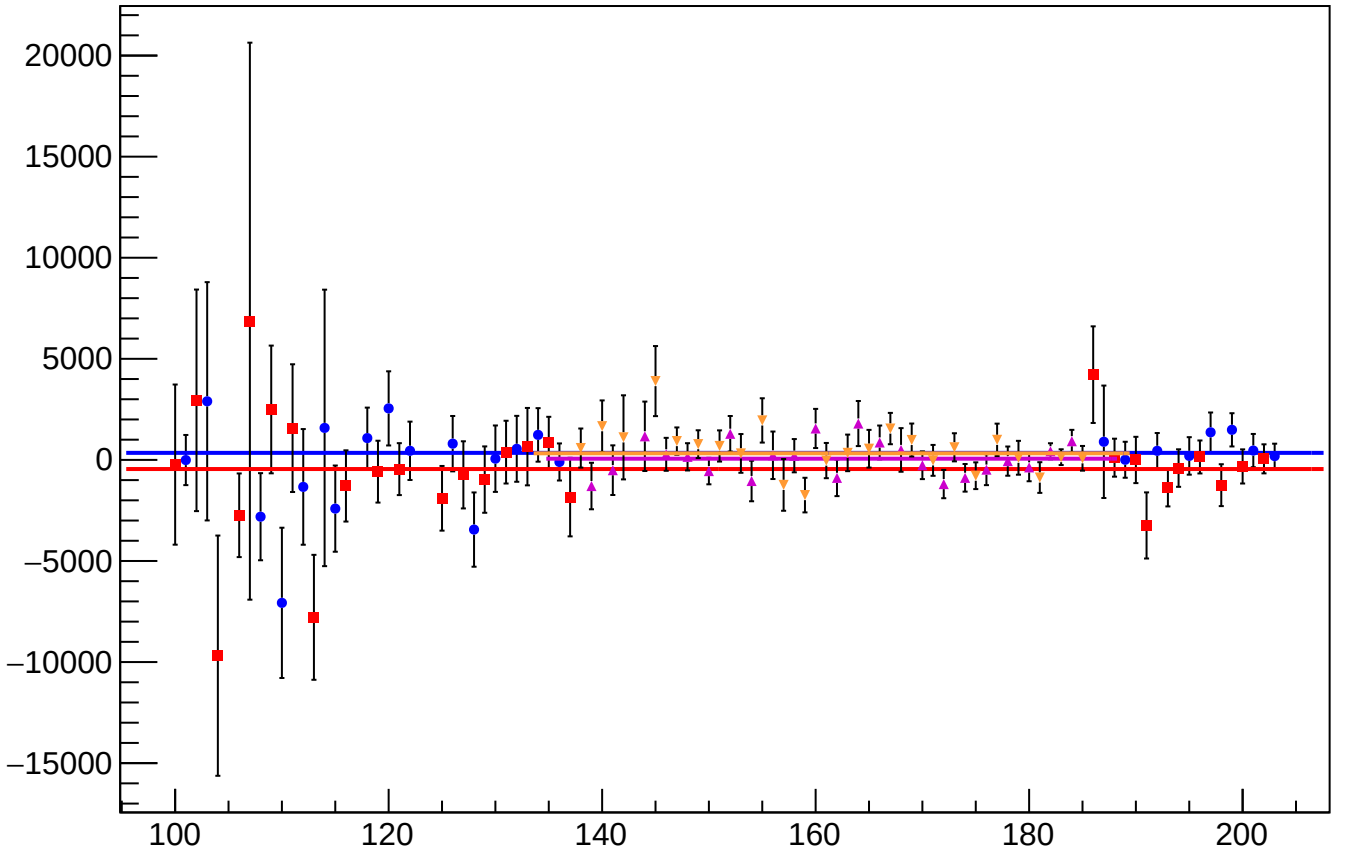
Left: 2370.033+/-0.276 χ^2/NDF: 12653.4/46

Right: 2498.596+/-0.339 χ^2/NDF: 799997.2/51

In: 2410.635+/-0.304 χ^2/NDF:305375.8/46

Out: 2431.800+/-0.301 χ^2/NDF:591464.8/51

All: 2421.328+/-0.214 χ^2/NDF: 899288.5/98



Right In: 348.093+/-247.197 χ^2/NDF: 18.6/23

Left Out: 325.955+/-160.042 χ^2/NDF:26.8/23

Right Out: -451.811+/-255.753 χ^2/NDF: 24.5/27

Left In: 59.619+/-159.670 χ^2/NDF:22.7/22

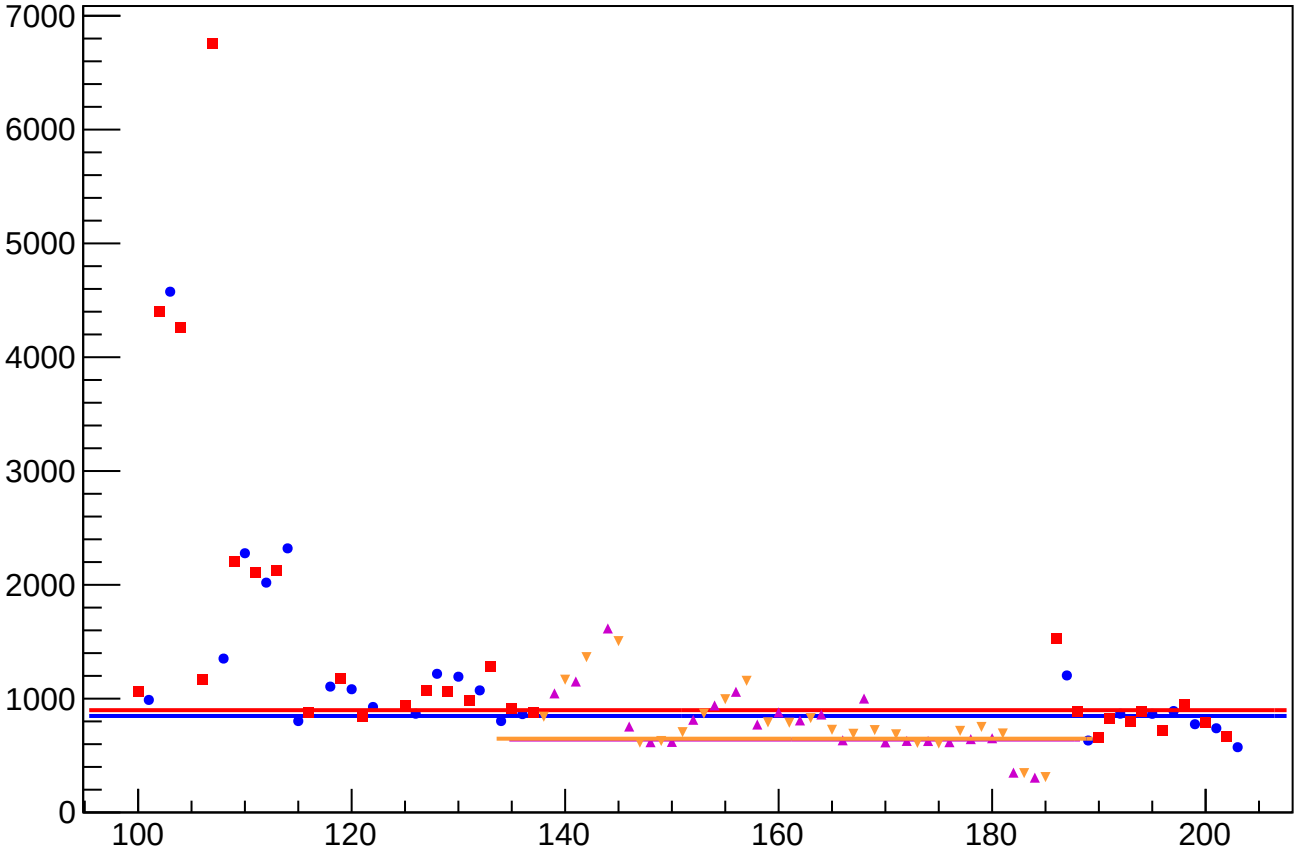
Left: 192.477+/-113.035 χ^2/NDF: 50.9/46

Right: -38.255+/-177.743 χ^2/NDF: 48.1/51

In: 144.543+/-134.123 χ^2/NDF:42.2/46

Out: 107.097+/-135.668 χ^2/NDF:57.9/51

All: 126.034+/-95.381 χ^2/NDF: 100.2/98



Right In: 847.728+/-0.175 χ^2/NDF: 2572799.5/23

Left Out: 648.101+/-0.113 χ^2/NDF:3887001.9/23

Right Out: 898.735+/-0.181 χ^2/NDF: 3602090.0/27

Left In: 640.423+/-0.113 χ^2/NDF:4128774.2/22

Left: 644.253+/-0.080 χ^2/NDF: 8018083.4/46

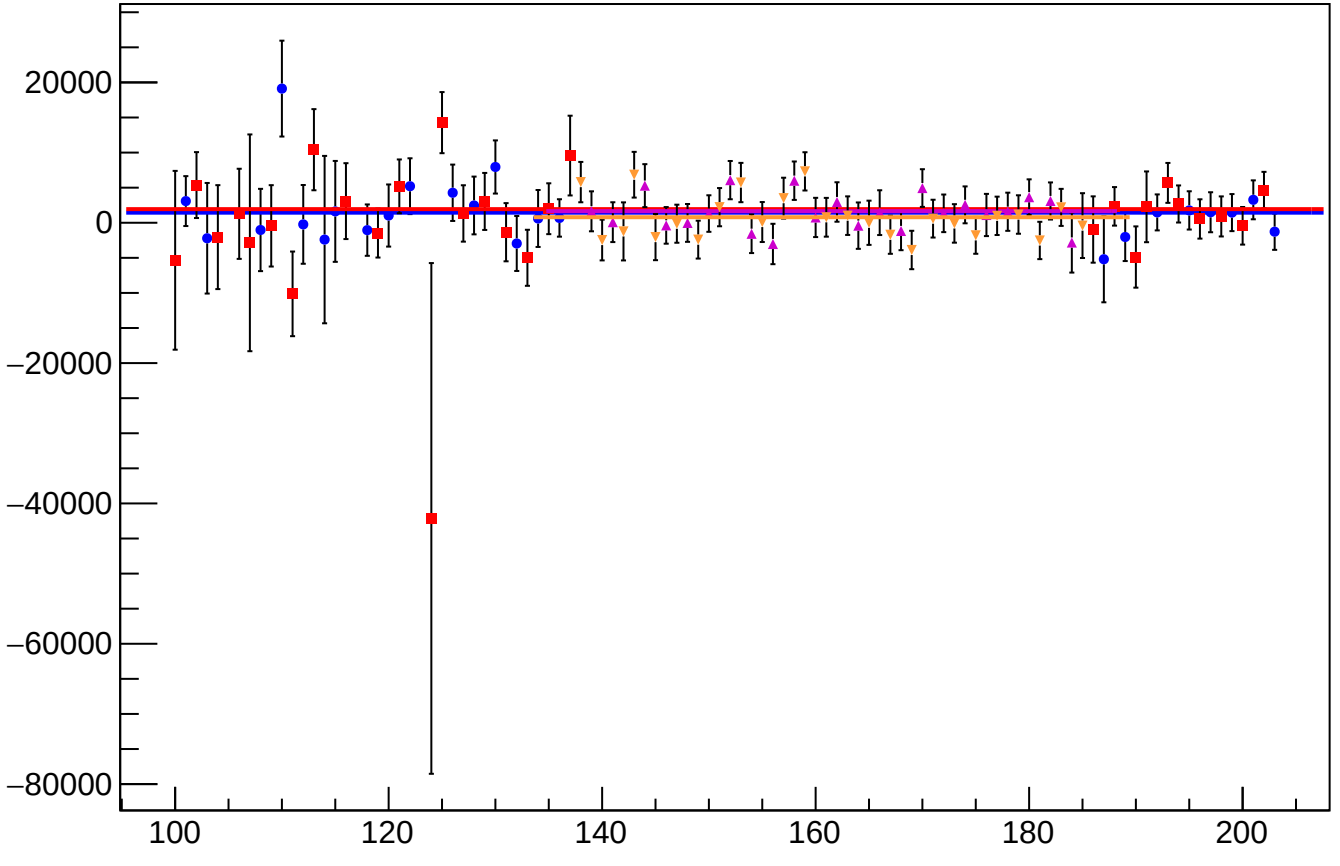
Right: 872.364+/-0.126 χ^2/NDF: 6216018.3/51

In: 701.451+/-0.095 χ^2/NDF:7694070.0/46

Out: 718.628+/-0.096 χ^2/NDF:8869341.0/51

All: 709.941+/-0.067 χ^2/NDF: 16579624.2/98

asym_atl1_mean vs Slug, Sign Corrected



Right In: 1438.022+/-746.590 χ^2/NDF: 17.5/23

Left Out: 791.438+/-573.266 χ^2/NDF:27.1/24

Right Out: 1942.429+/-735.767 χ^2/NDF: 31.2/28

Left In: 1654.626+/-586.767 χ^2/NDF:17.3/22

Left: 1212.987+/-410.050 χ^2/NDF: 45.6/47

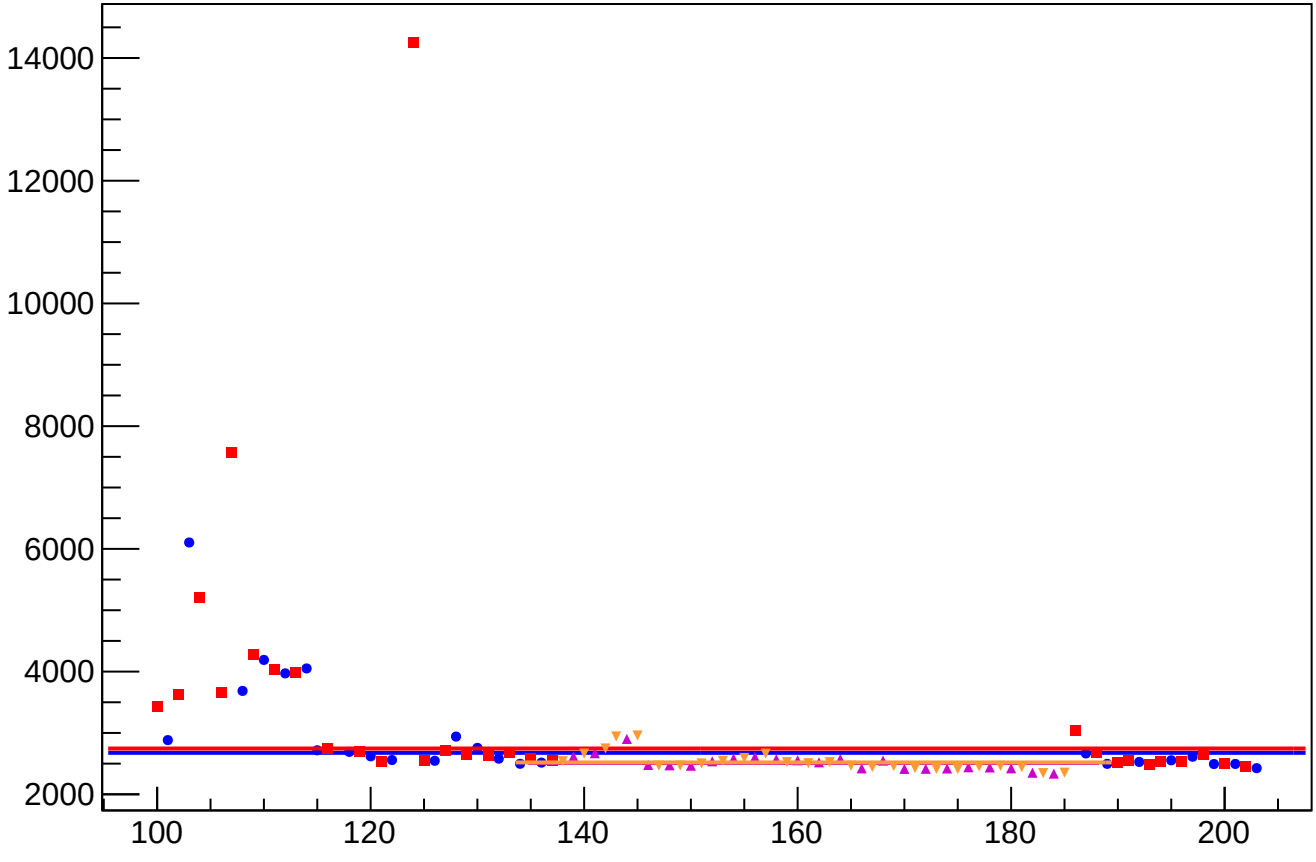
Right: 1693.908+/-524.050 χ^2/NDF: 49.0/52

In: 1571.919+/-461.337 χ^2/NDF:34.9/46

Out: 1226.221+/-452.210 χ^2/NDF:59.9/53

All: 1395.616+/-322.939 χ^2/NDF: 95.1/100

asym_atl1_rms vs Slug, Sign Corrected



Right In: 2676.253+/-0.528 χ^2/NDF: 755376.4/23

Left Out: 2519.516+/-0.405 χ^2/NDF:115204.3/24

Right Out: 2746.609+/-0.520 χ^2/NDF: 1176159.9/28

Left In: 2510.156+/-0.415 χ^2/NDF:73771.4/22

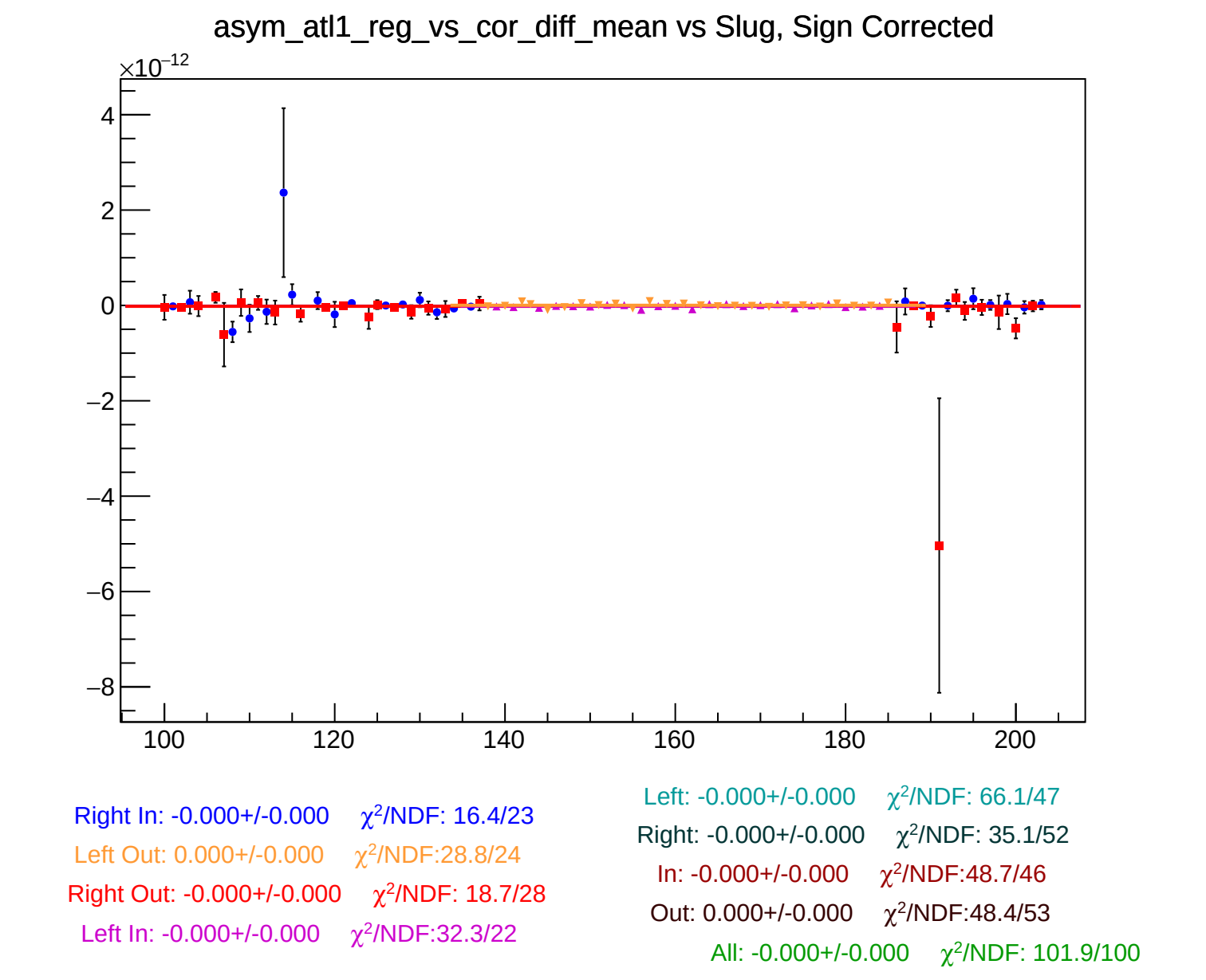
Left: 2514.945+/-0.290 χ^2/NDF: 189236.0/47

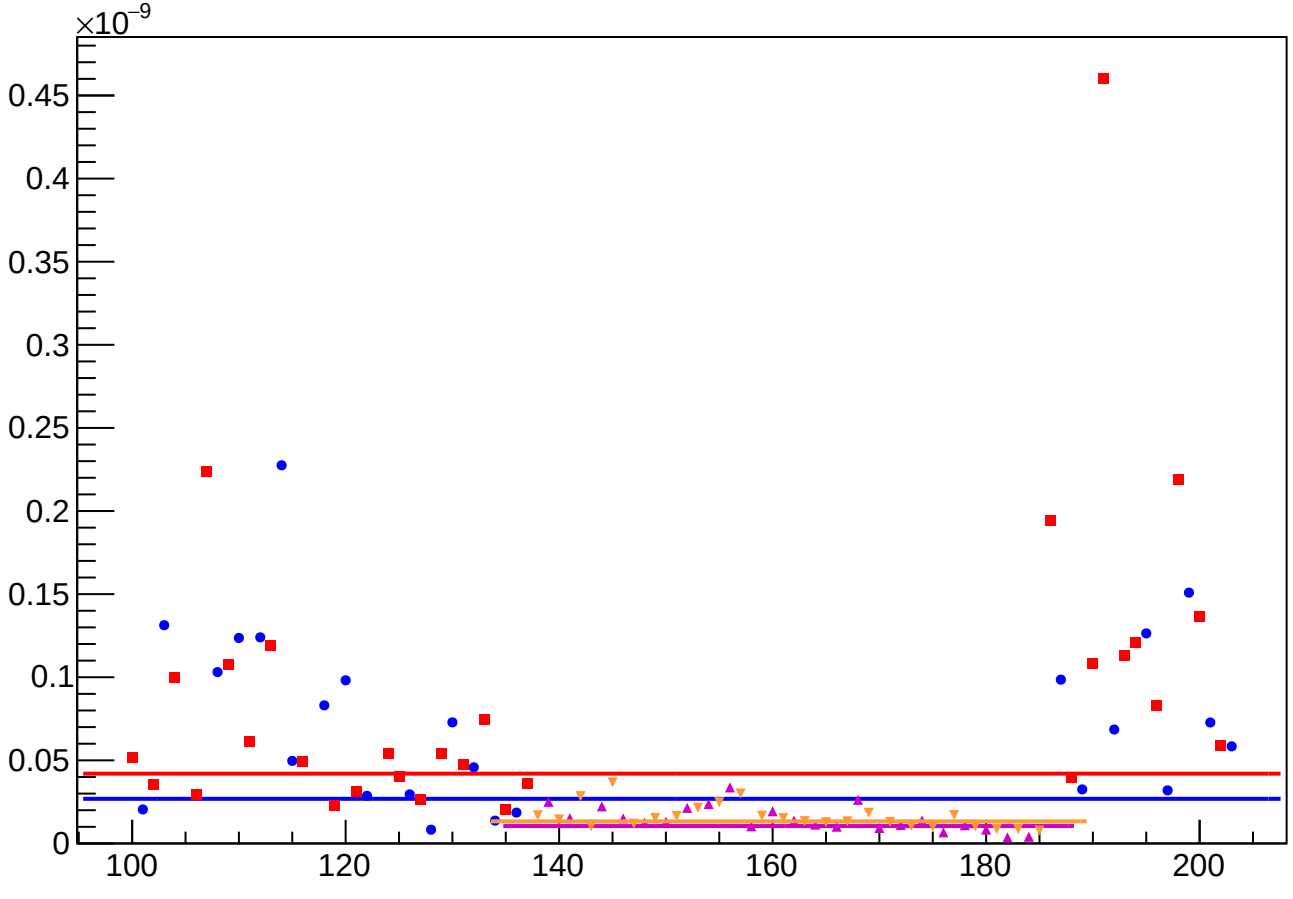
Right: 2711.945+/-0.371 χ^2/NDF: 1940546.5/52

In: 2573.577+/-0.326 χ^2/NDF:890340.3/46

Out: 2605.299+/-0.320 χ^2/NDF:1409921.4/53

All: 2589.755+/-0.228 χ^2/NDF: 2305084.2/10


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: 16.4/23
Left Out: 0.000+/-0.000 χ²/NDF:28.8/24
Right Out: -0.000+/-0.000 χ²/NDF: 18.7/28
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: 35.1/52
In: -0.000+/-0.000 χ²/NDF:48.7/46
Out: 0.000+/-0.000 χ²/NDF:48.4/53
All: -0.000+/-0.000 χ²/NDF: 101.9/100



Right In: 0.000+/-0.000 χ^2/NDF: 4443576.1/23

Left Out: 0.000+/-0.000 χ^2/NDF:1472019.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 3549747.2/28

Left In: 0.000+/-0.000 χ^2/NDF:2813965.8/22

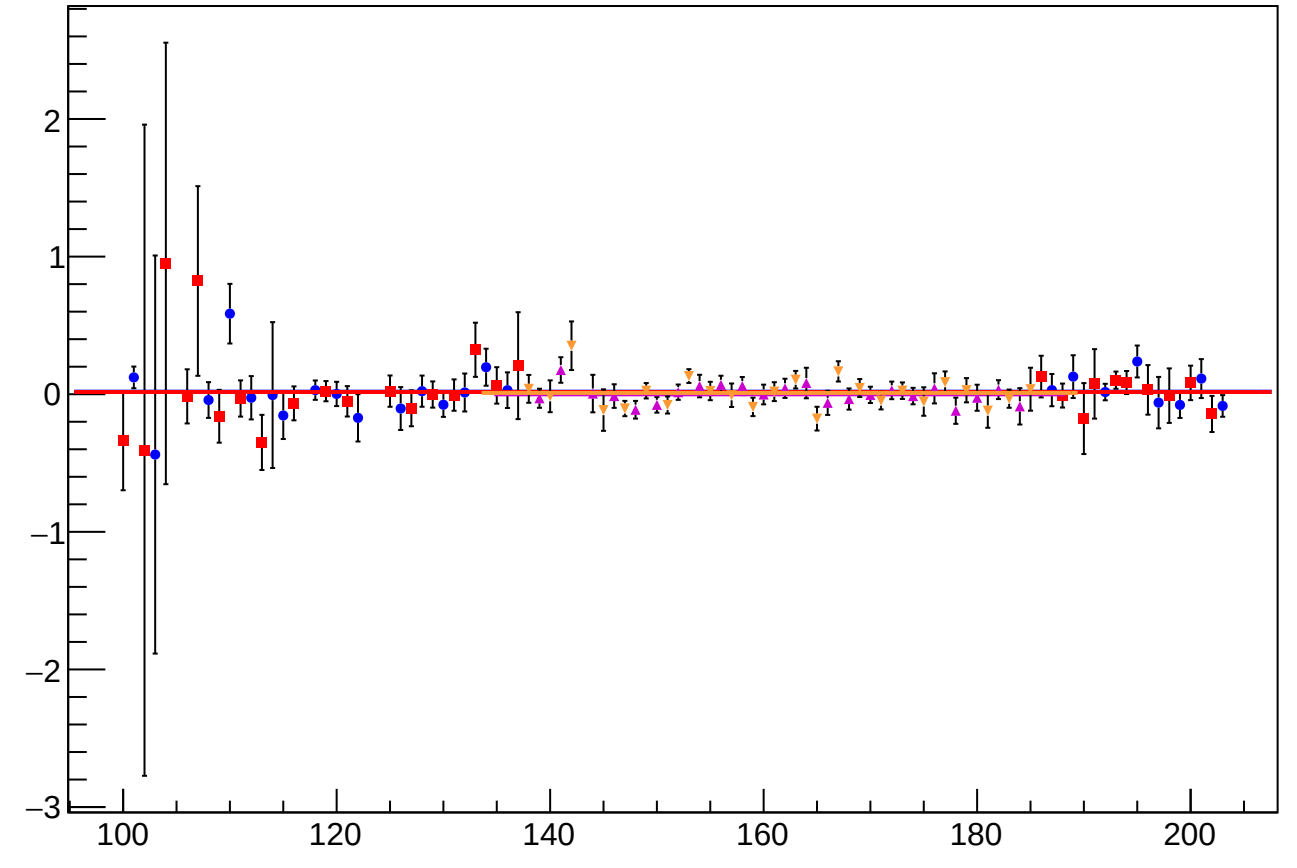
Left: 0.000+/-0.000 χ^2/NDF: 4603369.9/47

Right: 0.000+/-0.000 χ^2/NDF: 8634957.9/52

In: 0.000+/-0.000 χ^2/NDF:9216352.9/46

Out: 0.000+/-0.000 χ^2/NDF:8375061.6/53

All: 0.000+/-0.000 χ^2/NDF: 17992010.4/100



Right In: 0.019+/-0.023 χ^2/NDF: 22.3/23

Left Out: 0.009+/-0.015 χ^2/NDF:34.7/23

Right Out: 0.016+/-0.024 χ^2/NDF: 17.2/27

Left In: -0.001+/-0.015 χ^2/NDF:15.6/22

Left: 0.004+/-0.011 χ^2/NDF: 50.5/46

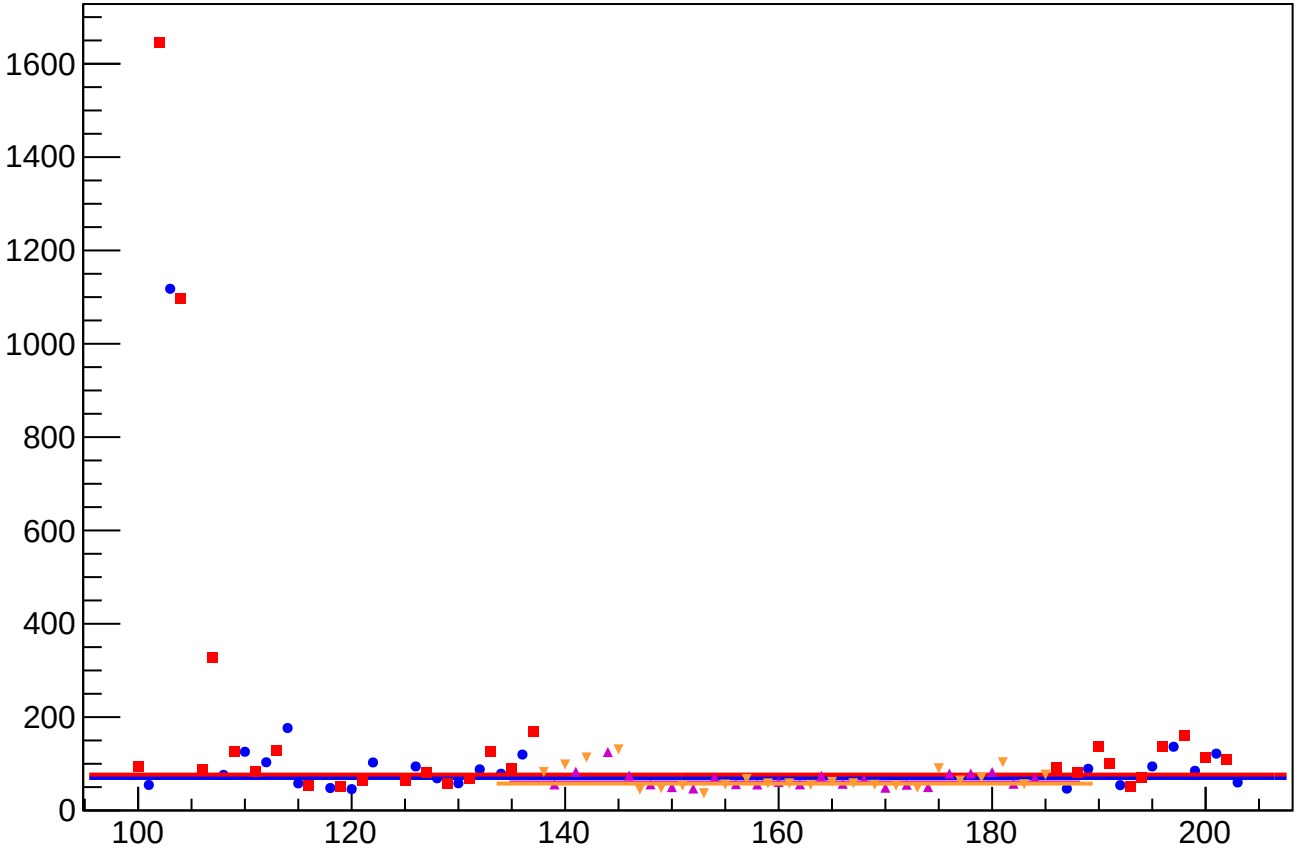
Right: 0.017+/-0.017 χ^2/NDF: 39.5/51

In: 0.005+/-0.013 χ^2/NDF:38.4/46

Out: 0.011+/-0.013 χ^2/NDF:52.0/51

All: 0.008+/-0.009 χ^2/NDF: 90.5/98

asym_atl1_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 69.634+/-0.016 χ^2/NDF: 3223845.3/23

Left Out: 57.606+/-0.011 χ^2/NDF:2213142.2/23

Right Out: 76.794+/-0.017 χ^2/NDF: 4311224.1/27

Left In: 59.828+/-0.011 χ^2/NDF:1340700.1/22

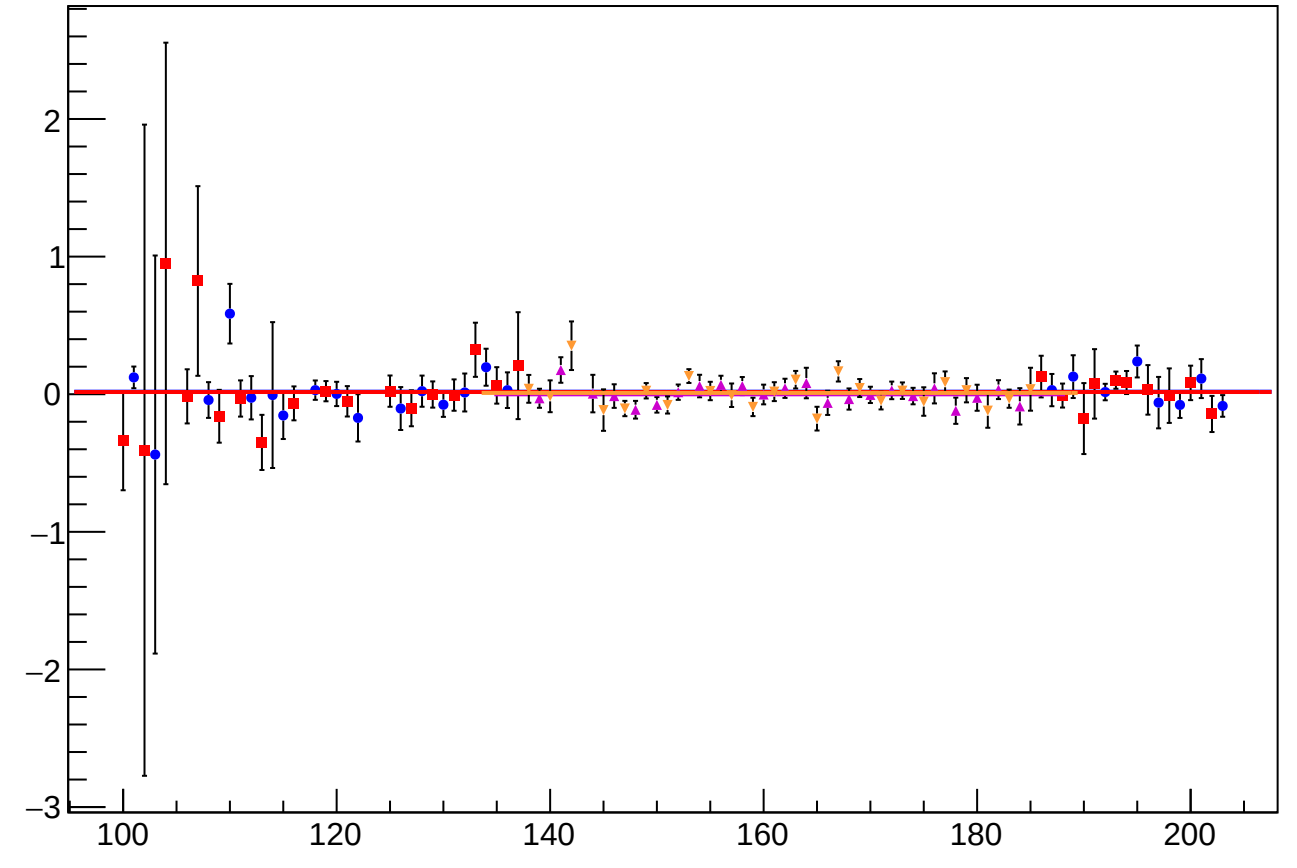
Left: 58.689+/-0.008 χ^2/NDF: 3574922.2/46

Right: 72.972+/-0.012 χ^2/NDF: 7626829.8/51

In: 62.921+/-0.009 χ^2/NDF:4817305.8/46

Out: 62.915+/-0.009 χ^2/NDF:7417204.9/51

All: 62.918+/-0.006 χ^2/NDF: 12234510.9/98



Right In: 0.019+/-0.023 χ^2/NDF: 22.3/23

Left Out: 0.009+/-0.015 χ^2/NDF:34.7/23

Right Out: 0.016+/-0.024 χ^2/NDF: 17.2/27

Left In: -0.001+/-0.015 χ^2/NDF:15.6/22

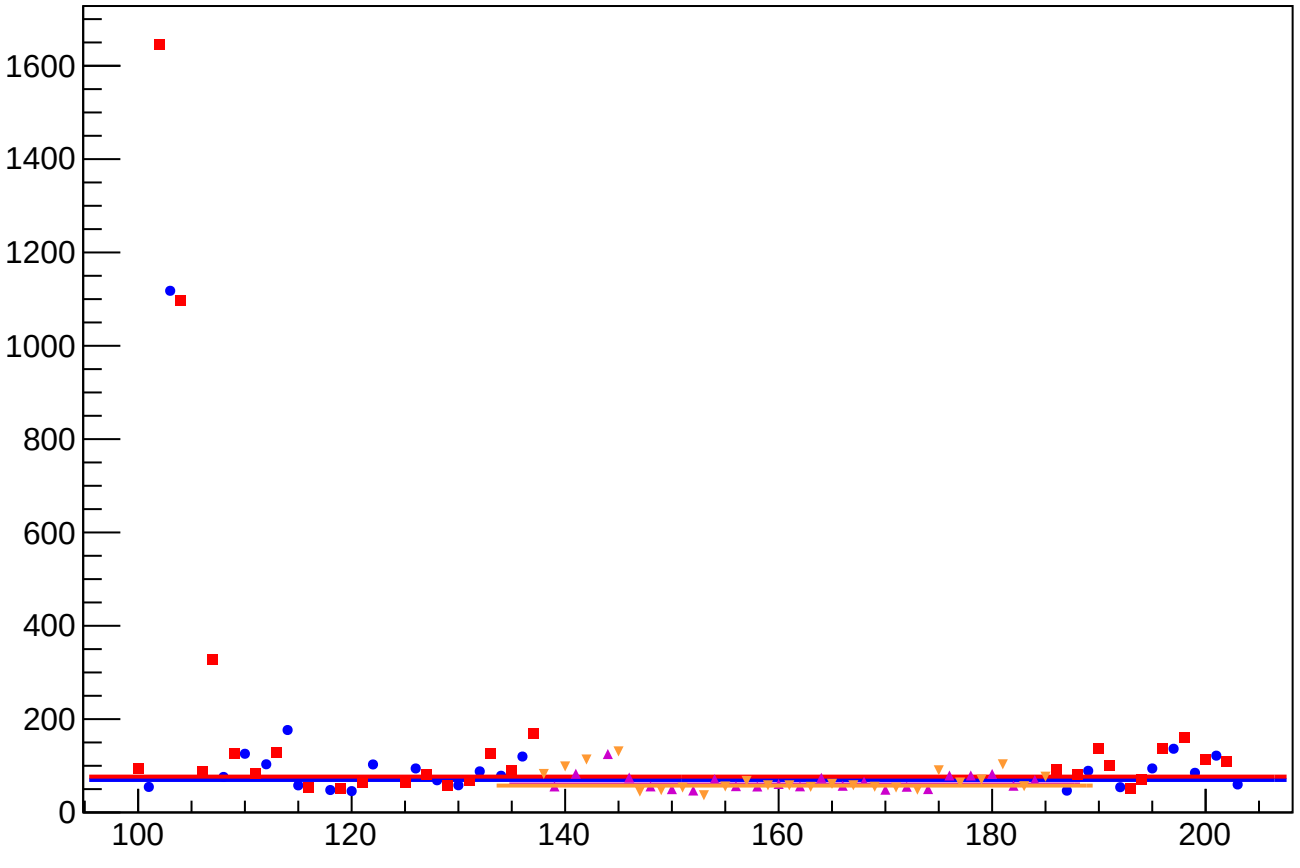
Left: 0.004+/-0.011 χ^2/NDF: 50.5/46

Right: 0.017+/-0.017 χ^2/NDF: 39.5/51

In: 0.005+/-0.013 χ^2/NDF:38.4/46

Out: 0.011+/-0.013 χ^2/NDF:52.0/51

All: 0.008+/-0.009 χ^2/NDF: 90.5/98



Right In: 69.634+/-0.016 χ^2/NDF: 3223845.3/23

Left Out: 57.606+/-0.011 χ^2/NDF:2213142.2/23

Right Out: 76.794+/-0.017 χ^2/NDF: 4311224.1/27

Left In: 59.828+/-0.011 χ^2/NDF:1340700.1/22

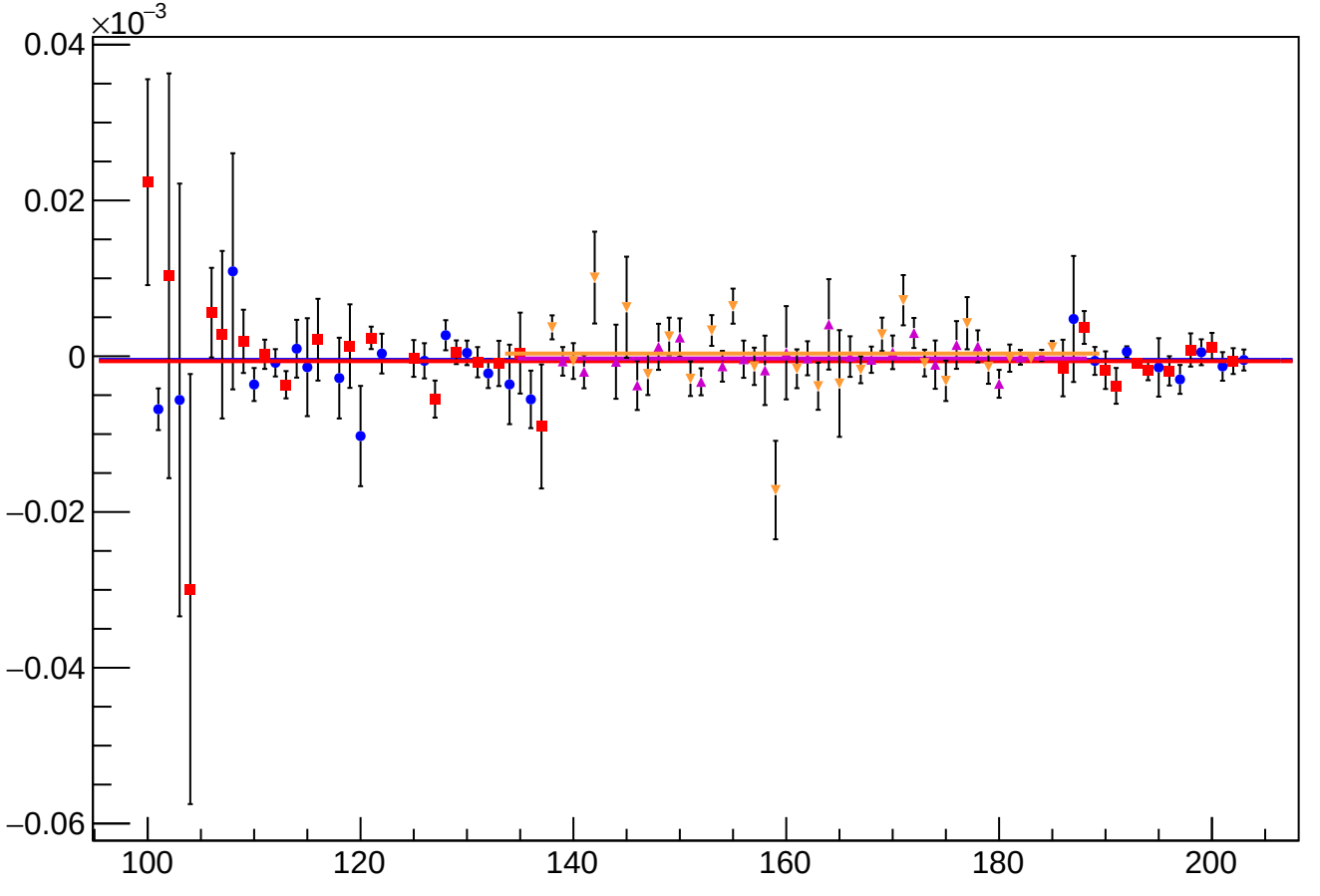
Left: 58.689+/-0.008 χ^2/NDF: 3574922.2/46

Right: 72.972+/-0.012 χ^2/NDF: 7626829.8/51

In: 62.921+/-0.009 χ^2/NDF:4817305.8/46

Out: 62.915+/-0.009 χ^2/NDF:7417204.9/51

All: 62.918+/-0.006 χ^2/NDF: 12234510.9/98



Right In: -0.000+/-0.000 χ^2/NDF: 22.7/23

Left Out: 0.000+/-0.000 χ^2/NDF:46.8/23

Right Out: -0.000+/-0.000 χ^2/NDF: 29.3/27

Left In: -0.000+/-0.000 χ^2/NDF:14.9/22

Left: 0.000+/-0.000 χ^2/NDF: 63.2/46

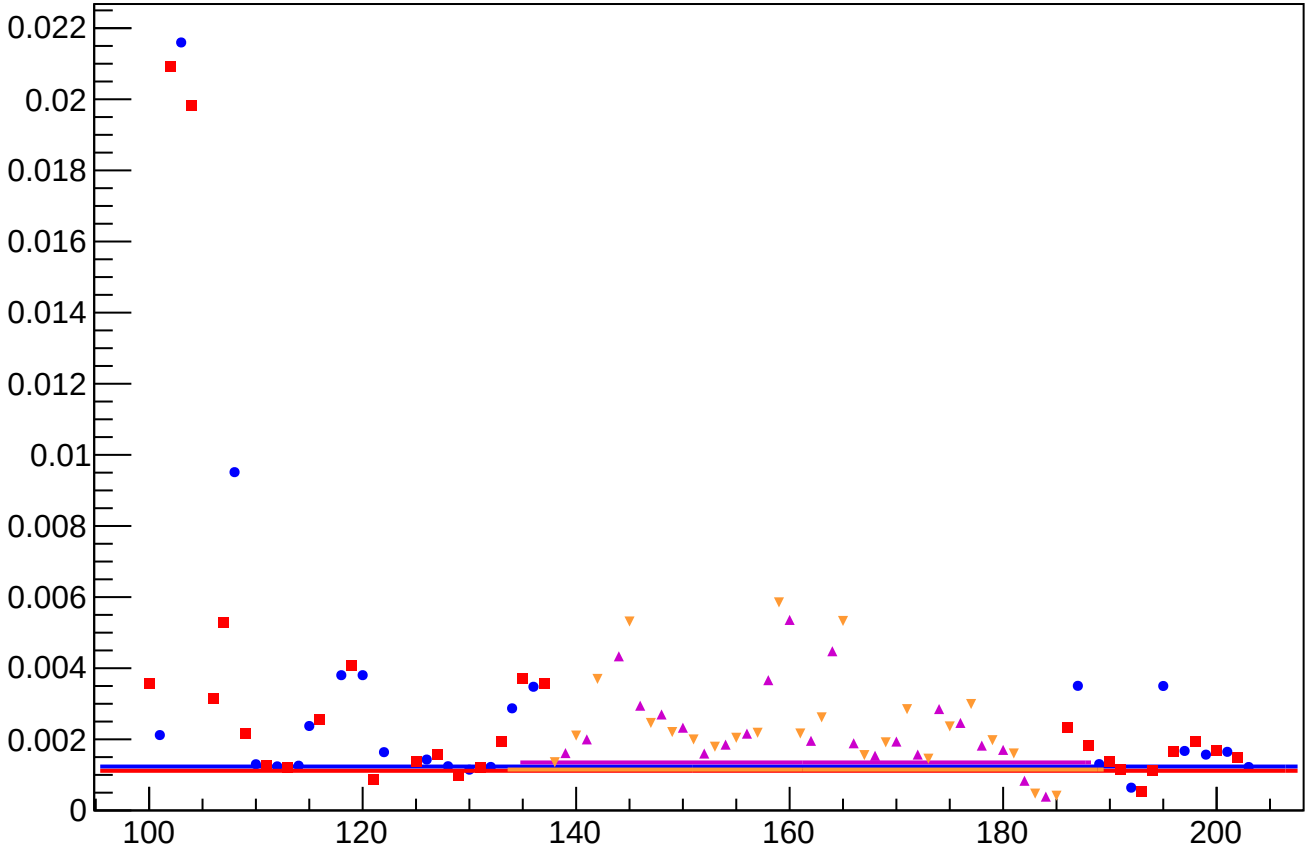
Right: -0.000+/-0.000 χ^2/NDF: 52.1/51

In: -0.000+/-0.000 χ^2/NDF:37.7/46

Out: -0.000+/-0.000 χ^2/NDF:80.0/51

All: -0.000+/-0.000 χ^2/NDF: 118.2/98

asym_atl1_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.001+/-0.000 χ^2/NDF: 6470696.3/23

Left Out: 0.001+/-0.000 χ^2/NDF:13242273.9/23

Right Out: 0.001+/-0.000 χ^2/NDF: 7776961.9/27

Left In: 0.001+/-0.000 χ^2/NDF:10247159.8/22

Left: 0.001+/-0.000 χ^2/NDF: 23793610.5/46

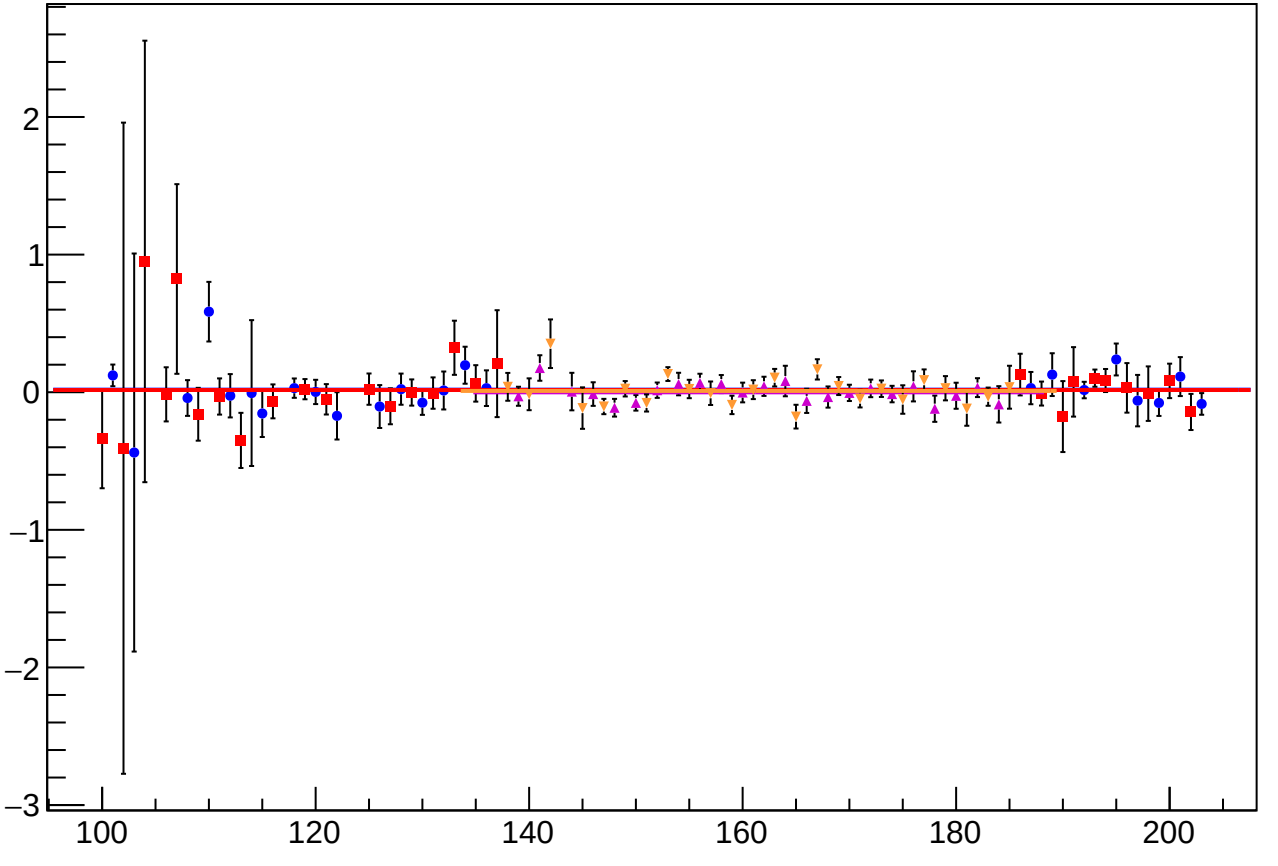
Right: 0.001+/-0.000 χ^2/NDF: 14347261.8/51

In: 0.001+/-0.000 χ^2/NDF:16804962.6/46

Out: 0.001+/-0.000 χ^2/NDF:21029209.6/51

All: 0.001+/-0.000 χ^2/NDF: 38213245.6/98

asym_atl1_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.019+/-0.023 χ^2/NDF: 22.3/23

Left Out: 0.009+/-0.015 χ^2/NDF:34.7/23

Right Out: 0.016+/-0.024 χ^2/NDF: 17.2/27

Left In: -0.001+/-0.015 χ^2/NDF:15.6/22

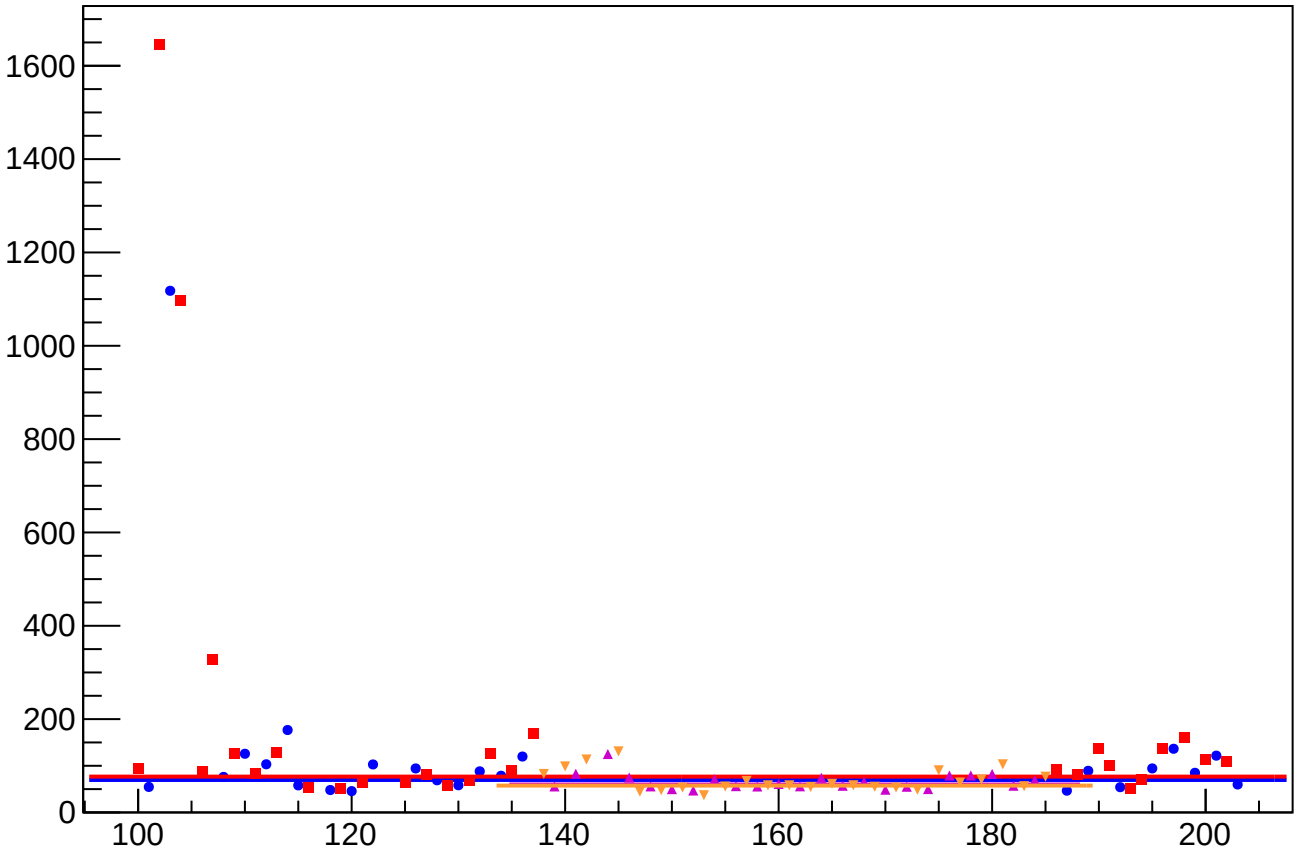
Left: 0.004+/-0.011 χ^2/NDF: 50.5/46

Right: 0.017+/-0.017 χ^2/NDF: 39.5/51

In: 0.005+/-0.013 χ^2/NDF:38.4/46

Out: 0.011+/-0.013 χ^2/NDF:52.0/51

All: 0.008+/-0.009 χ^2/NDF: 90.5/98



Right In: 69.633+/-0.016 χ^2/NDF: 3223969.3/23

Left Out: 57.606+/-0.011 χ^2/NDF:2213216.3/23

Right Out: 76.794+/-0.017 χ^2/NDF: 4311251.3/27

Left In: 59.828+/-0.011 χ^2/NDF:1340684.6/22

Left: 58.689+/-0.008 χ^2/NDF: 3574984.0/46

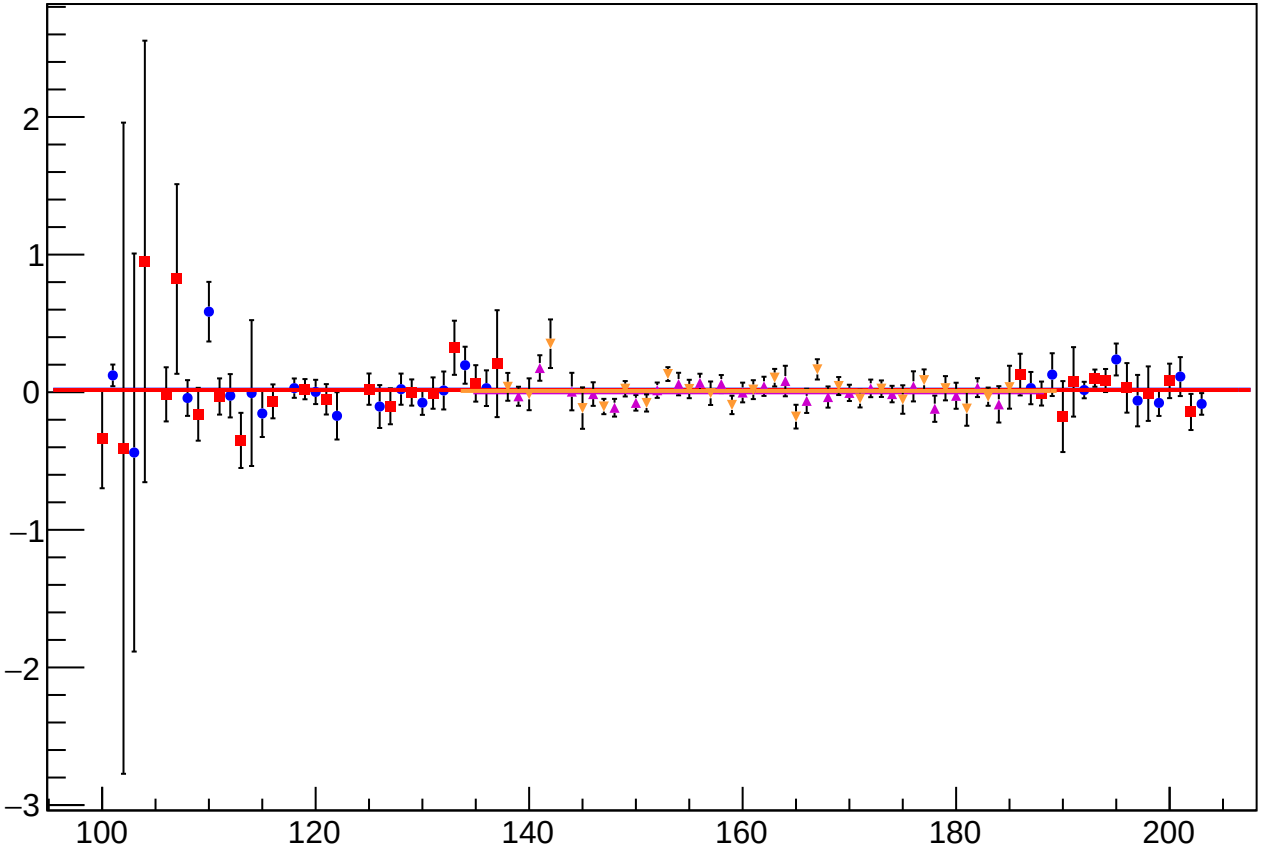
Right: 72.971+/-0.012 χ^2/NDF: 7626988.8/51

In: 62.921+/-0.009 χ^2/NDF:4817372.0/46

Out: 62.915+/-0.009 χ^2/NDF:7417271.9/51

All: 62.918+/-0.006 χ^2/NDF: 12234644.2/98

asym_atl1_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.019+/-0.023 χ^2/NDF: 22.3/23

Left Out: 0.009+/-0.015 χ^2/NDF:34.7/23

Right Out: 0.016+/-0.024 χ^2/NDF: 17.2/27

Left In: -0.001+/-0.015 χ^2/NDF:15.6/22

Left: 0.004+/-0.011 χ^2/NDF: 50.5/46

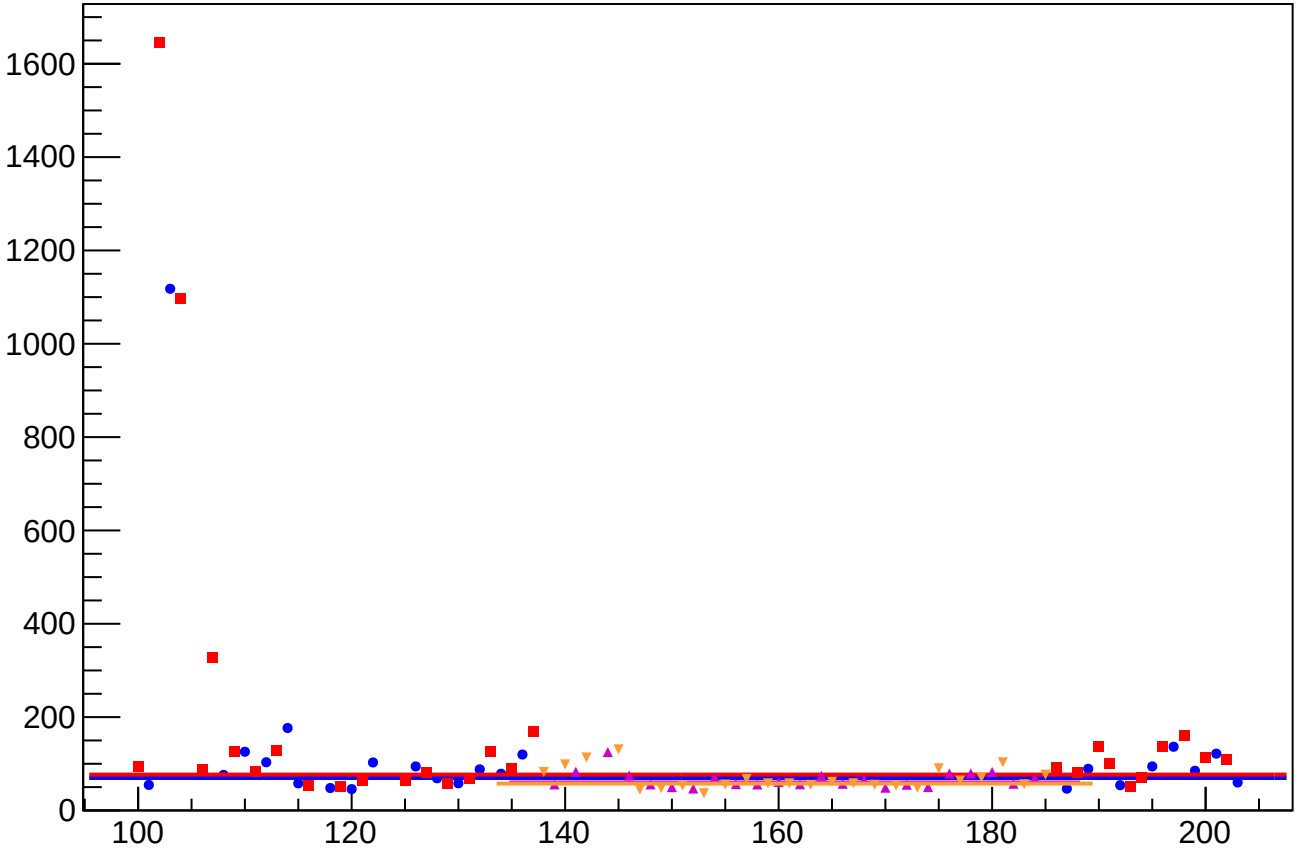
Right: 0.017+/-0.017 χ^2/NDF: 39.5/51

In: 0.005+/-0.013 χ^2/NDF:38.4/46

Out: 0.011+/-0.013 χ^2/NDF:52.0/51

All: 0.008+/-0.009 χ^2/NDF: 90.5/98

asym_atl1_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 69.633+/-0.016 χ^2/NDF: 3223969.3/23

Left Out: 57.606+/-0.011 χ^2/NDF:2213216.3/23

Right Out: 76.794+/-0.017 χ^2/NDF: 4311251.3/27

Left In: 59.828+/-0.011 χ^2/NDF:1340684.6/22

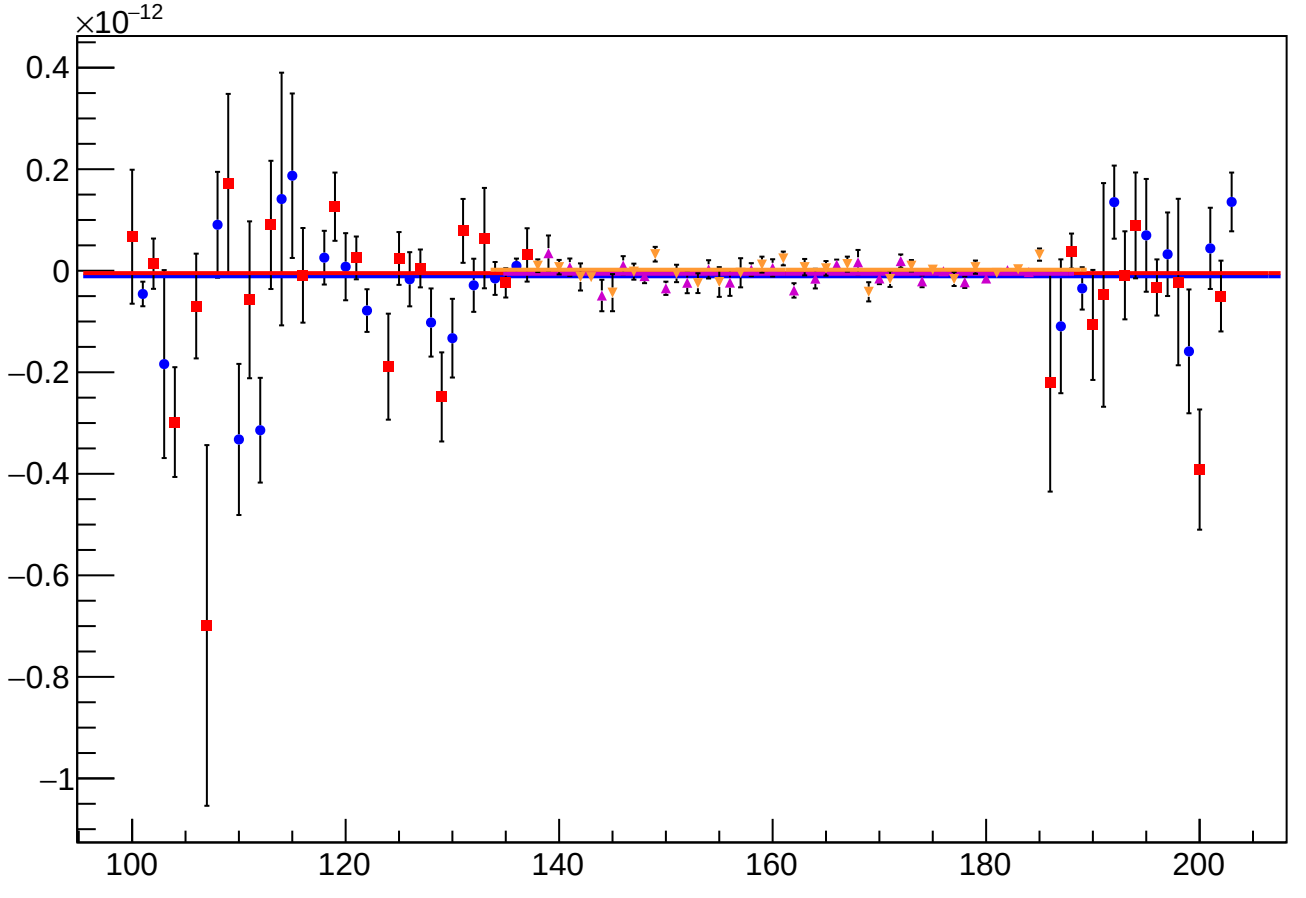
Left: 58.689+/-0.008 χ^2/NDF: 3574984.0/46

Right: 72.971+/-0.012 χ^2/NDF: 7626988.8/51

In: 62.921+/-0.009 χ^2/NDF:4817372.0/46

Out: 62.915+/-0.009 χ^2/NDF:7417271.9/51

All: 62.918+/-0.006 χ^2/NDF: 12234644.2/98



Right In: -0.000+/-0.000 χ^2/NDF: 42.8/23

Left Out: 0.000+/-0.000 χ^2/NDF:31.9/24

Right Out: -0.000+/-0.000 χ^2/NDF: 48.0/28

Left In: -0.000+/-0.000 χ^2/NDF:32.6/22

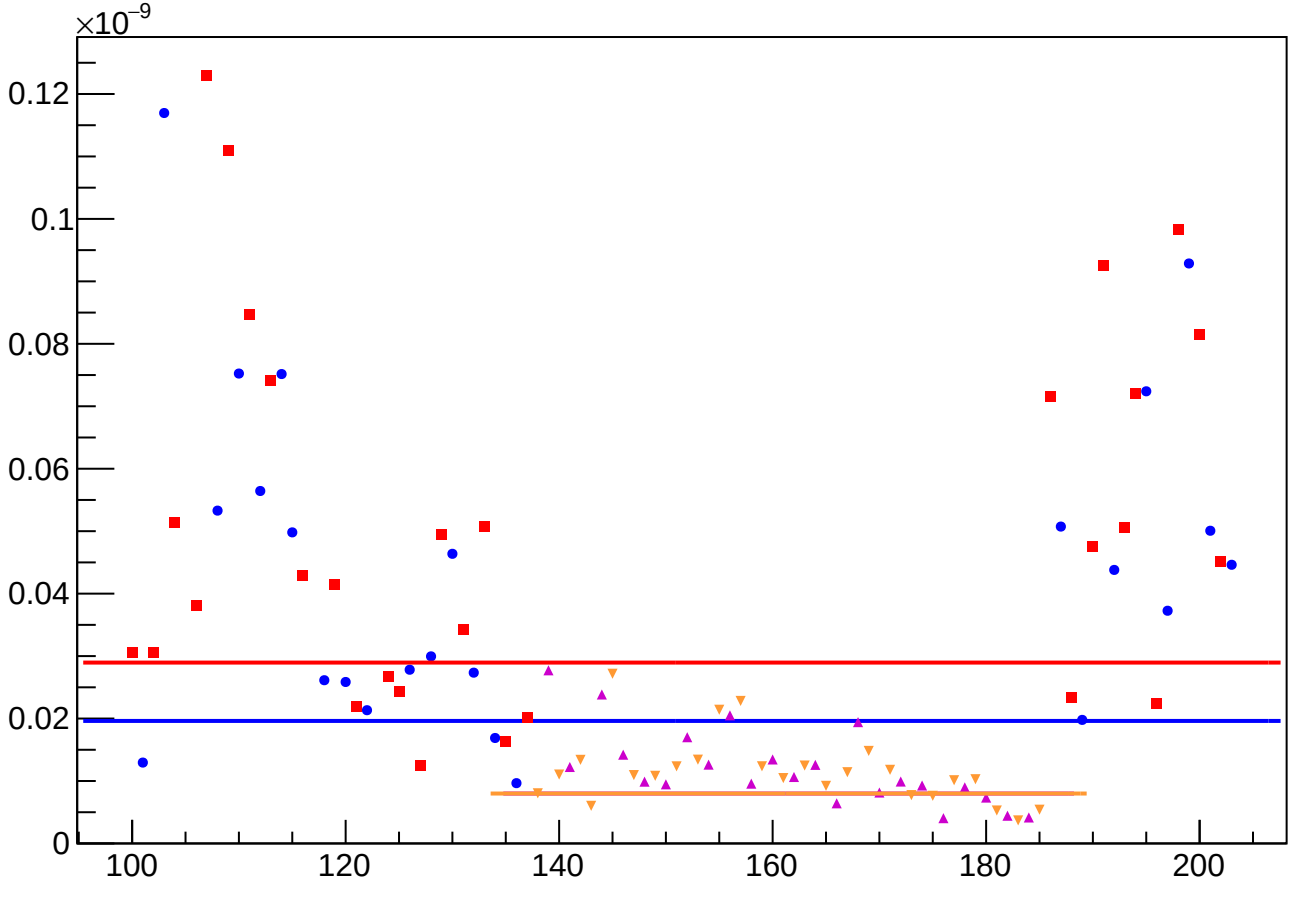
Left: -0.000+/-0.000 χ^2/NDF: 69.4/47

Right: -0.000+/-0.000 χ^2/NDF: 91.0/52

In: -0.000+/-0.000 χ^2/NDF:75.7/46

Out: 0.000+/-0.000 χ^2/NDF:80.2/53

All: -0.000+/-0.000 χ^2/NDF: 161.3/100



Right In: 0.000+/-0.000 χ^2/NDF: 5274730.3/23

Left Out: 0.000+/-0.000 χ^2/NDF:4887759.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 4131025.3/28

Left In: 0.000+/-0.000 χ^2/NDF:5188583.5/22

Left: 0.000+/-0.000 χ^2/NDF: 10076343.4/47

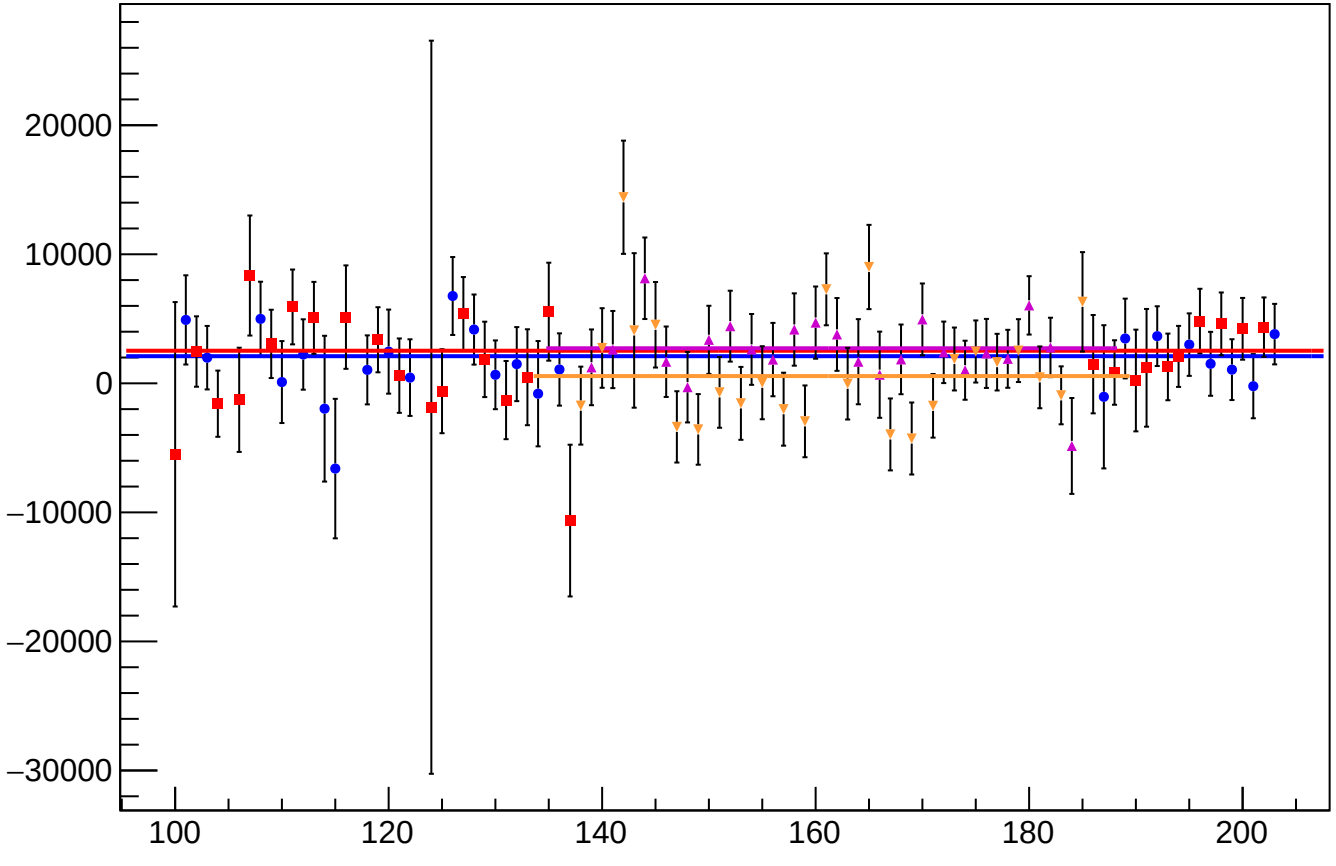
Right: 0.000+/-0.000 χ^2/NDF: 10151063.3/52

In: 0.000+/-0.000 χ^2/NDF:13380846.0/46

Out: 0.000+/-0.000 χ^2/NDF:14724375.1/53

All: 0.000+/-0.000 χ^2/NDF: 28105257.2/100

reg_asym_atl2_mean vs Slug, Sign Corrected



Right In: 2102.086+/-587.971 χ^2/NDF: 12.4/23

Left Out: 562.390+/-557.316 χ^2/NDF:43.9/24

Right Out: 2525.883+/-566.917 χ^2/NDF: 22.2/28

Left In: 2716.200+/-566.202 χ^2/NDF:14.3/22

Left: 1622.262+/-397.186 χ^2/NDF: 65.6/47

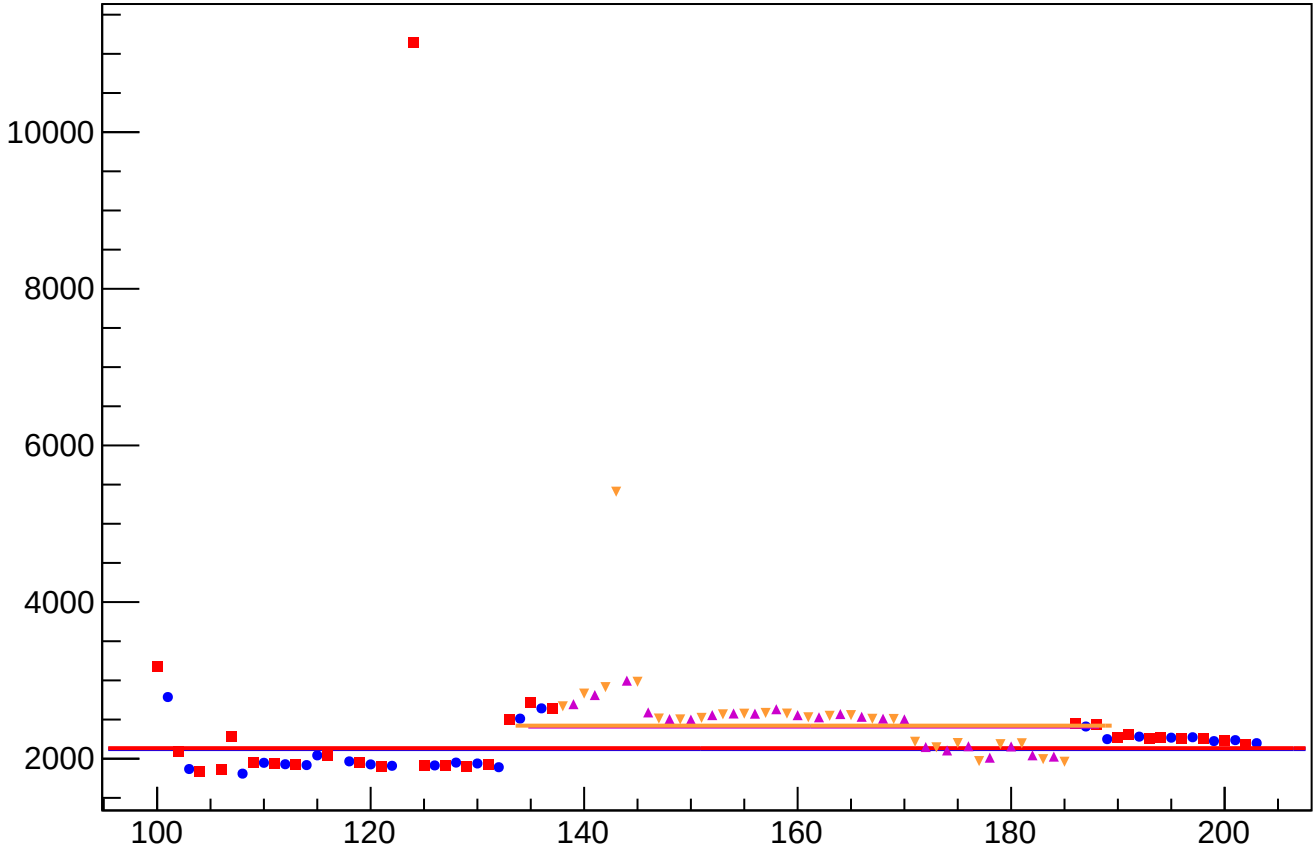
Right: 2321.708+/-408.111 χ^2/NDF: 34.9/52

In: 2420.722+/-407.844 χ^2/NDF:27.2/46

Out: 1527.370+/-397.433 χ^2/NDF:72.3/53

All: 1962.498+/-284.637 χ^2/NDF: 102.0/100

reg_asym_atl2_rms vs Slug, Sign Corrected



Right In: 2123.099+/-0.416 χ^2/NDF: 332885.3/23

Left Out: 2422.152+/-0.394 χ^2/NDF:952857.9/24

Right Out: 2134.656+/-0.401 χ^2/NDF: 510170.8/28

Left In: 2409.820+/-0.400 χ^2/NDF:428364.2/22

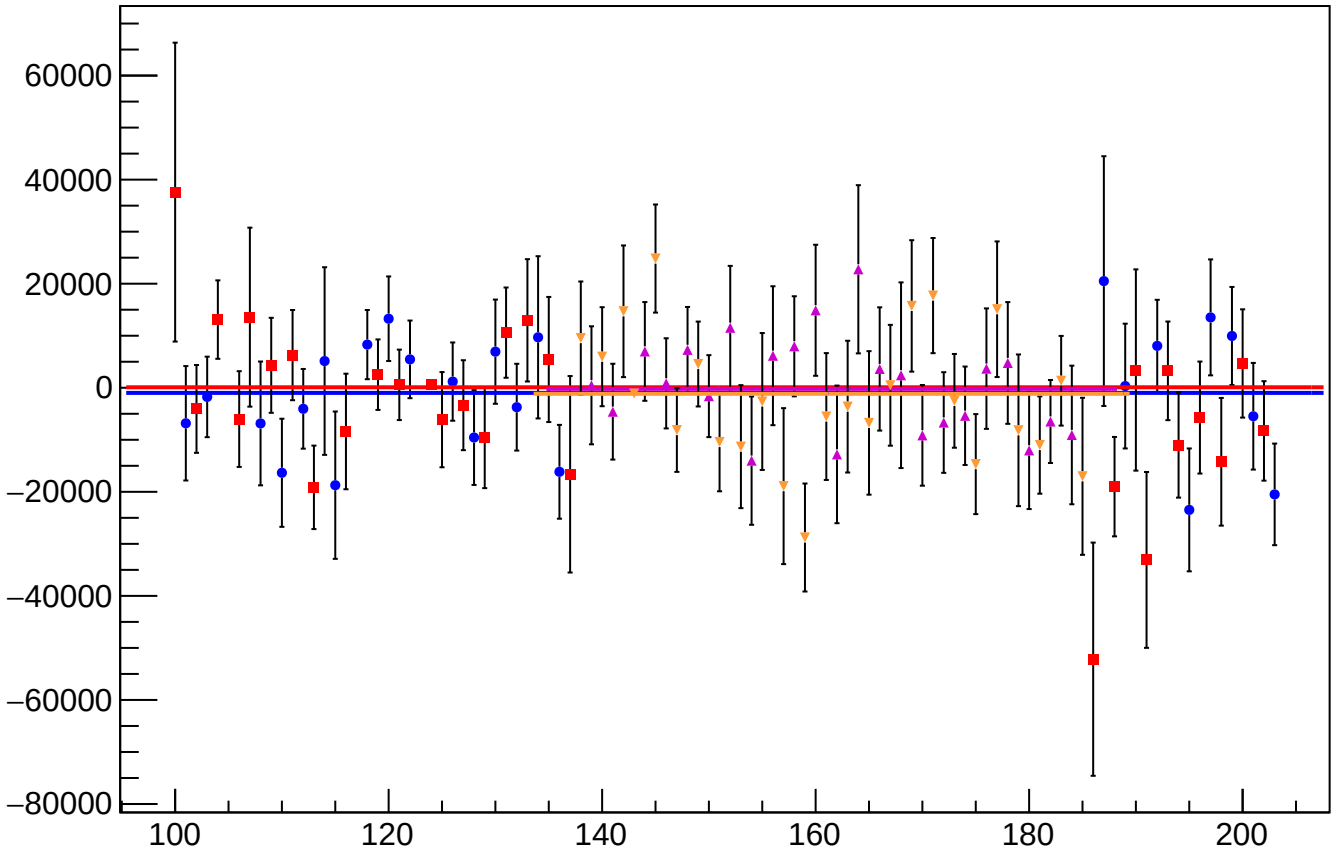
Left: 2416.083+/-0.281 χ^2/NDF: 1381704.0/47

Right: 2129.088+/-0.289 χ^2/NDF: 843456.6/52

In: 2271.865+/-0.288 χ^2/NDF:1008014.1/46

Out: 2280.859+/-0.281 χ^2/NDF:1724591.9/53

All: 2276.478+/-0.201 χ^2/NDF: 2733104.9/10



Right In: -985.207+/-1959.001 χ^2/NDF: 28.0/23

Left Out: -1158.214+/-757.797 χ^2/NDF:31.9/24

Right Out: 90.839+/-751.721 χ^2/NDF: 36.0/28

Left In: -209.655+/-2195.058 χ^2/NDF:13.4/22

Left: -1057.201+/-716.312 χ^2/NDF: 45.5/47

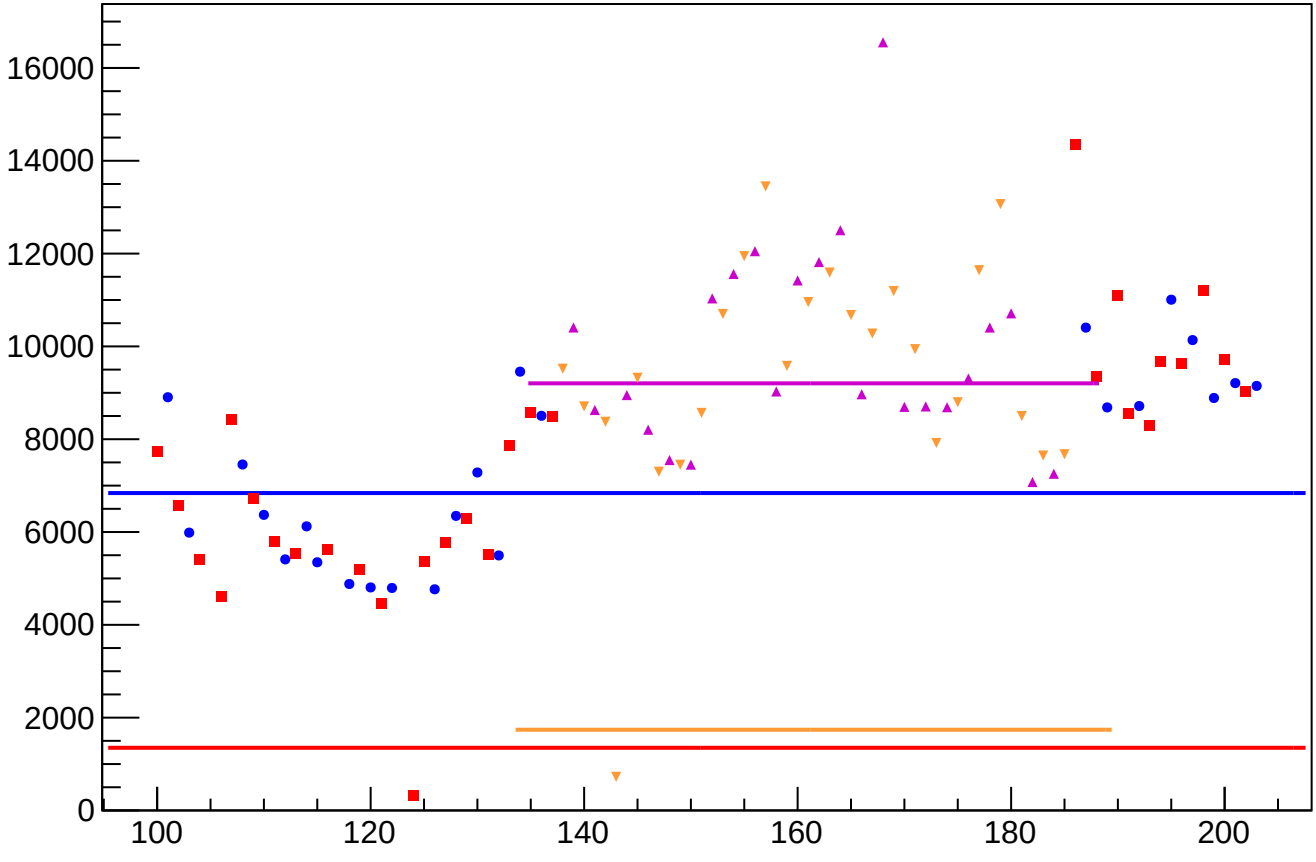
Right: -47.269+/-701.824 χ^2/NDF: 64.3/52

In: -641.360+/-1461.581 χ^2/NDF:41.5/46

Out: -528.660+/-533.682 χ^2/NDF:69.3/53

All: -541.919+/-501.309 χ^2/NDF: 110.8/100

asym_atl2_reg_correction_rms vs Slug, Sign Corrected



Right In: 6839.608+/-1.385 χ^2/NDF: 1905620.6/23

Left Out: 1739.692+/-0.536 χ^2/NDF:27734045.9/24

Right Out: 1350.349+/-0.532 χ^2/NDF: 22306872.4/28

Left In: 9203.758+/-1.552 χ^2/NDF:1272066.5/22

Left: 2534.547+/-0.507 χ^2/NDF: 49668848.5/47

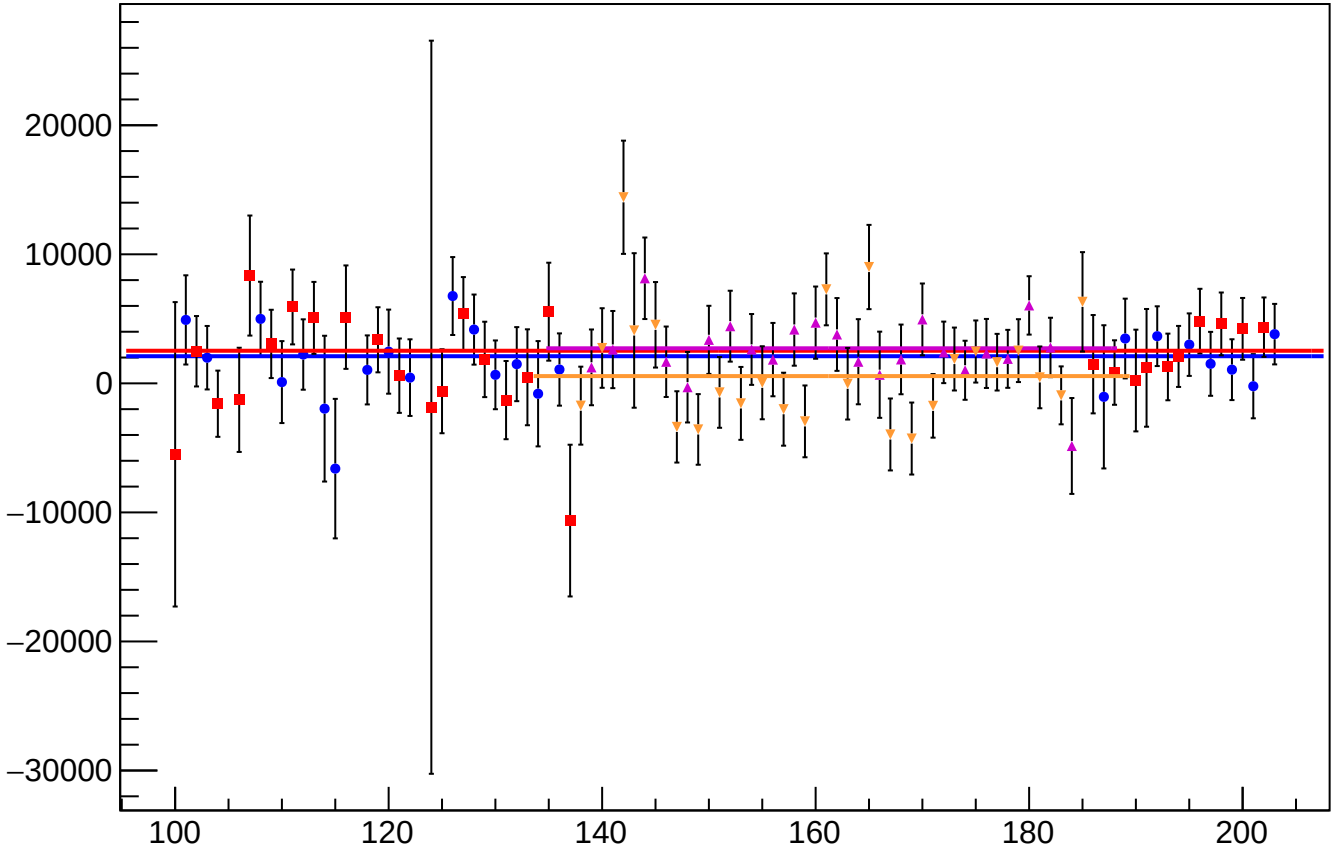
Right: 2054.882+/-0.496 χ^2/NDF: 37900224.5/52

In: 7887.771+/-1.033 χ^2/NDF:4469097.8/46

Out: 1543.453+/-0.377 χ^2/NDF:50307016.0/53

All: 2289.815+/-0.354 χ^2/NDF: 88026640.9/1

cor_asym_atl2_mean vs Slug, Sign Corrected



Right In: 2102.113+/-587.971 χ^2/NDF: 12.4/23

Left Out: 562.392+/-557.316 χ^2/NDF:43.9/24

Right Out: 2526.907+/-566.921 χ^2/NDF: 22.2/28

Left In: 2716.163+/-566.202 χ^2/NDF:14.3/22

Left: 1622.245+/-397.186 χ^2/NDF: 65.6/47

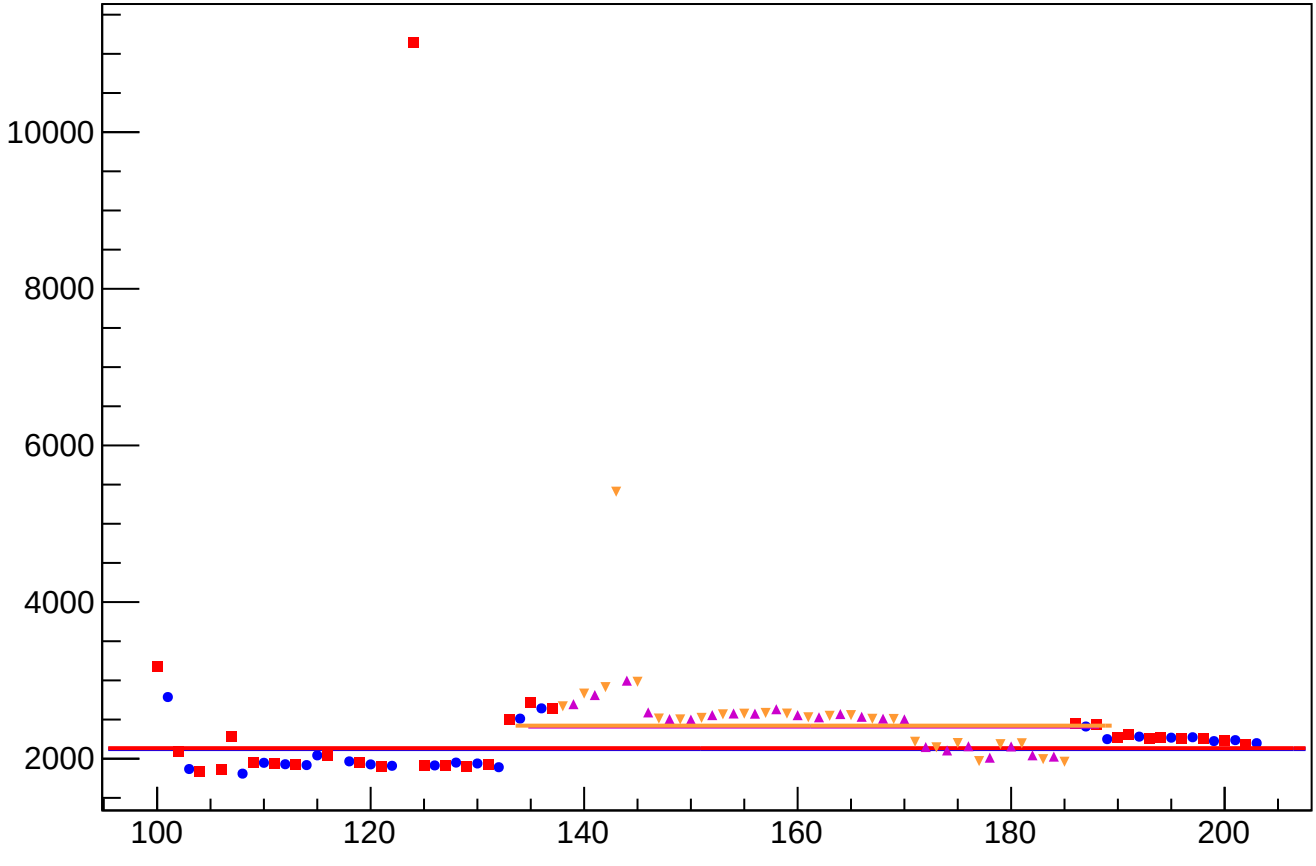
Right: 2322.251+/-408.112 χ^2/NDF: 34.9/52

In: 2420.716+/-407.844 χ^2/NDF:27.2/46

Out: 1527.868+/-397.434 χ^2/NDF:72.3/53

All: 1962.752+/-284.638 χ^2/NDF: 102.0/100

cor_asym_atl2_rms vs Slug, Sign Corrected



Right In: 2123.099+/-0.416 χ^2/NDF: 332885.2/23

Left Out: 2422.152+/-0.394 χ^2/NDF:952857.9/24

Right Out: 2134.670+/-0.401 χ^2/NDF: 510164.6/28

Left In: 2409.820+/-0.400 χ^2/NDF:428364.2/22

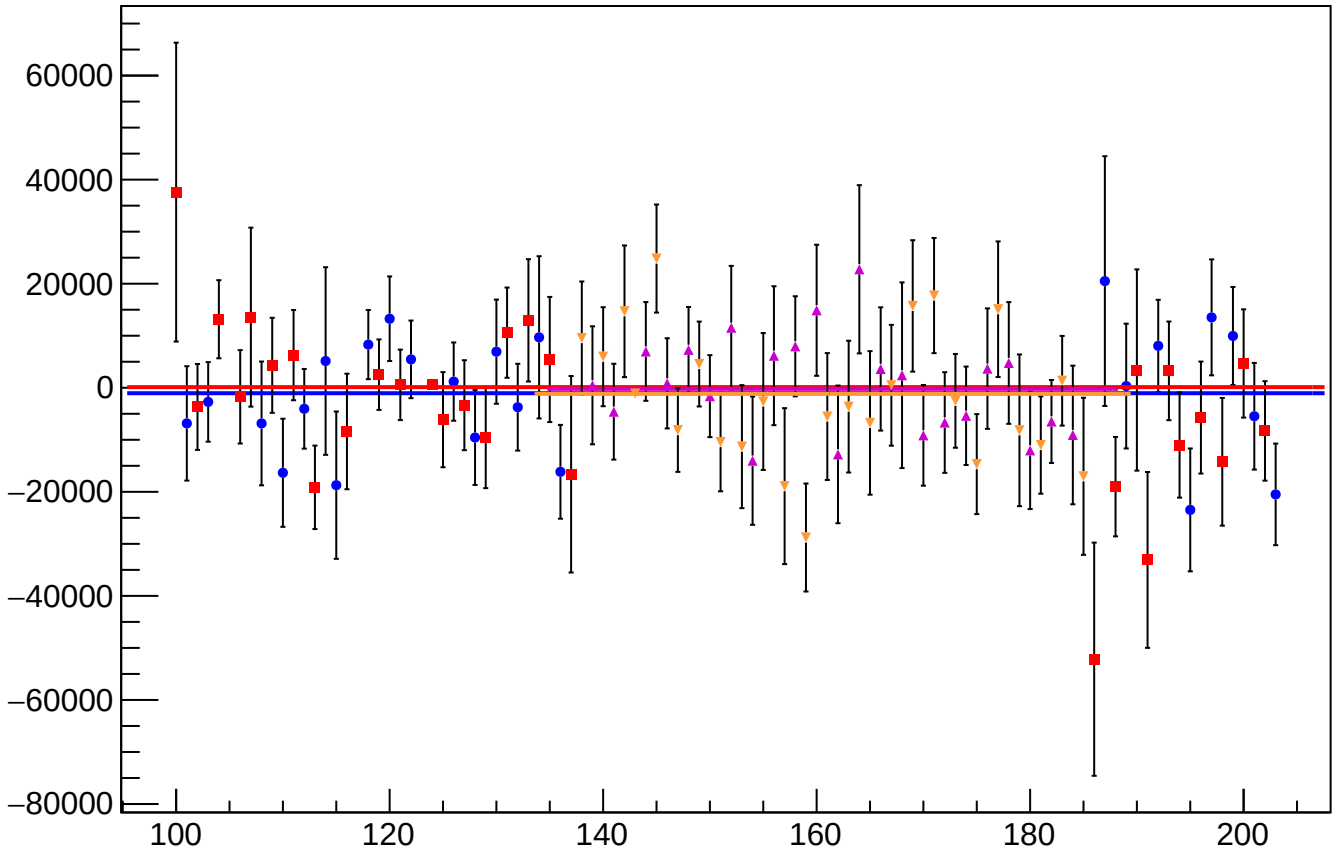
Left: 2416.083+/-0.281 χ^2/NDF: 1381703.9/47

Right: 2129.095+/-0.289 χ^2/NDF: 843451.2/52

In: 2271.865+/-0.288 χ^2/NDF:1008014.1/46

Out: 2280.866+/-0.281 χ^2/NDF:1724559.9/53

All: 2276.482+/-0.201 χ^2/NDF: 2733073.7/10



Right In: -1049.851+/-1957.506 χ^2/NDF: 28.1/23

Left Out: -1157.974+/-757.732 χ^2/NDF:31.9/24

Right Out: 123.071+/-751.403 χ^2/NDF: 35.6/28

Left In: -209.500+/-2195.055 χ^2/NDF:13.4/22

Left: -1056.985+/-716.258 χ^2/NDF: 45.5/47

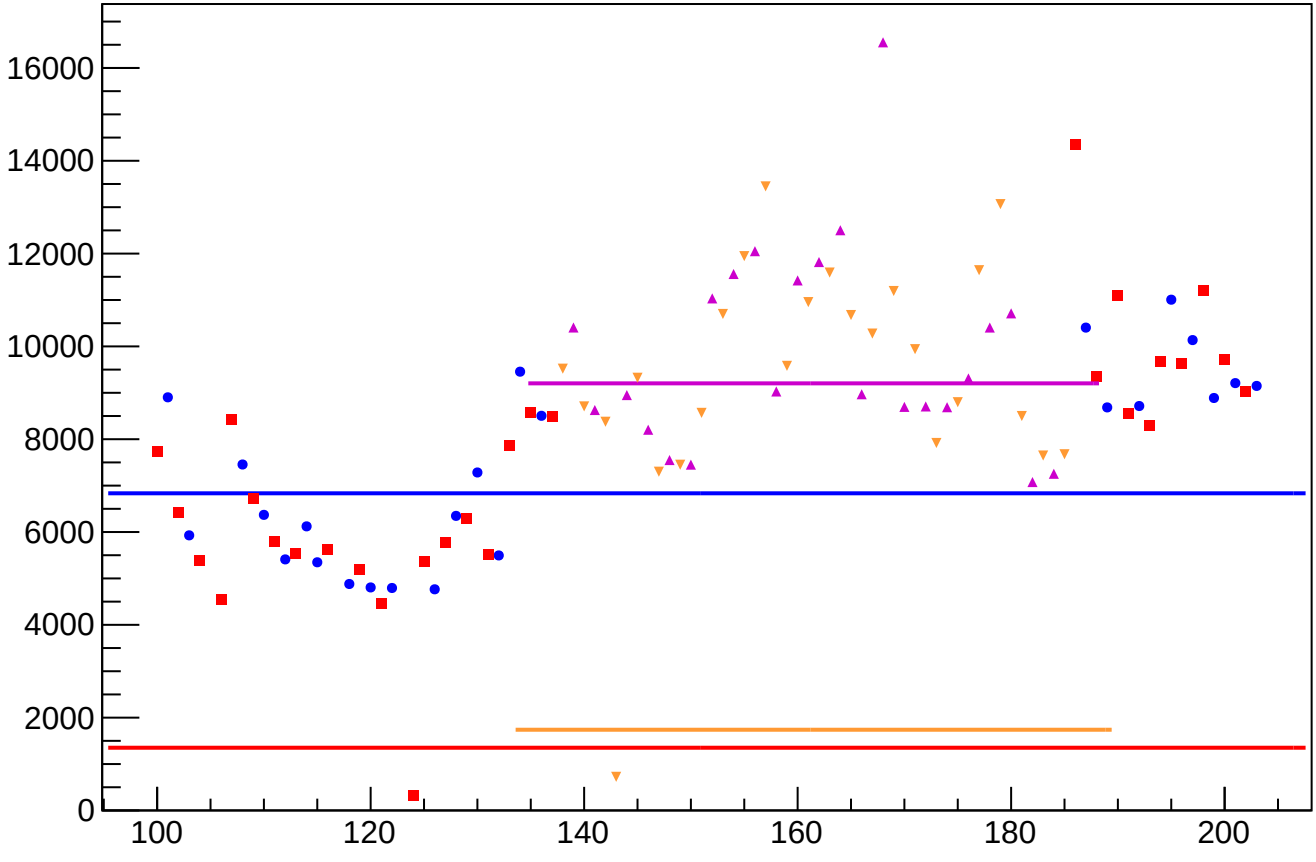
Right: -27.560+/-701.497 χ^2/NDF: 64.0/52

In: -677.591+/-1460.959 χ^2/NDF:41.6/46

Out: -512.079+/-533.546 χ^2/NDF:69.0/53

All: -531.556+/-501.170 χ^2/NDF: 110.6/100

asym_atl2_cor_correction_rms vs Slug, Sign Corrected



Right In: 6834.448+/-1.384 χ^2/NDF: 1909608.3/23

Left Out: 1739.457+/-0.536 χ^2/NDF:27735092.1/24

Right Out: 1351.693+/-0.531 χ^2/NDF: 22299135.0/28

Left In: 9203.744+/-1.552 χ^2/NDF:1272079.0/22

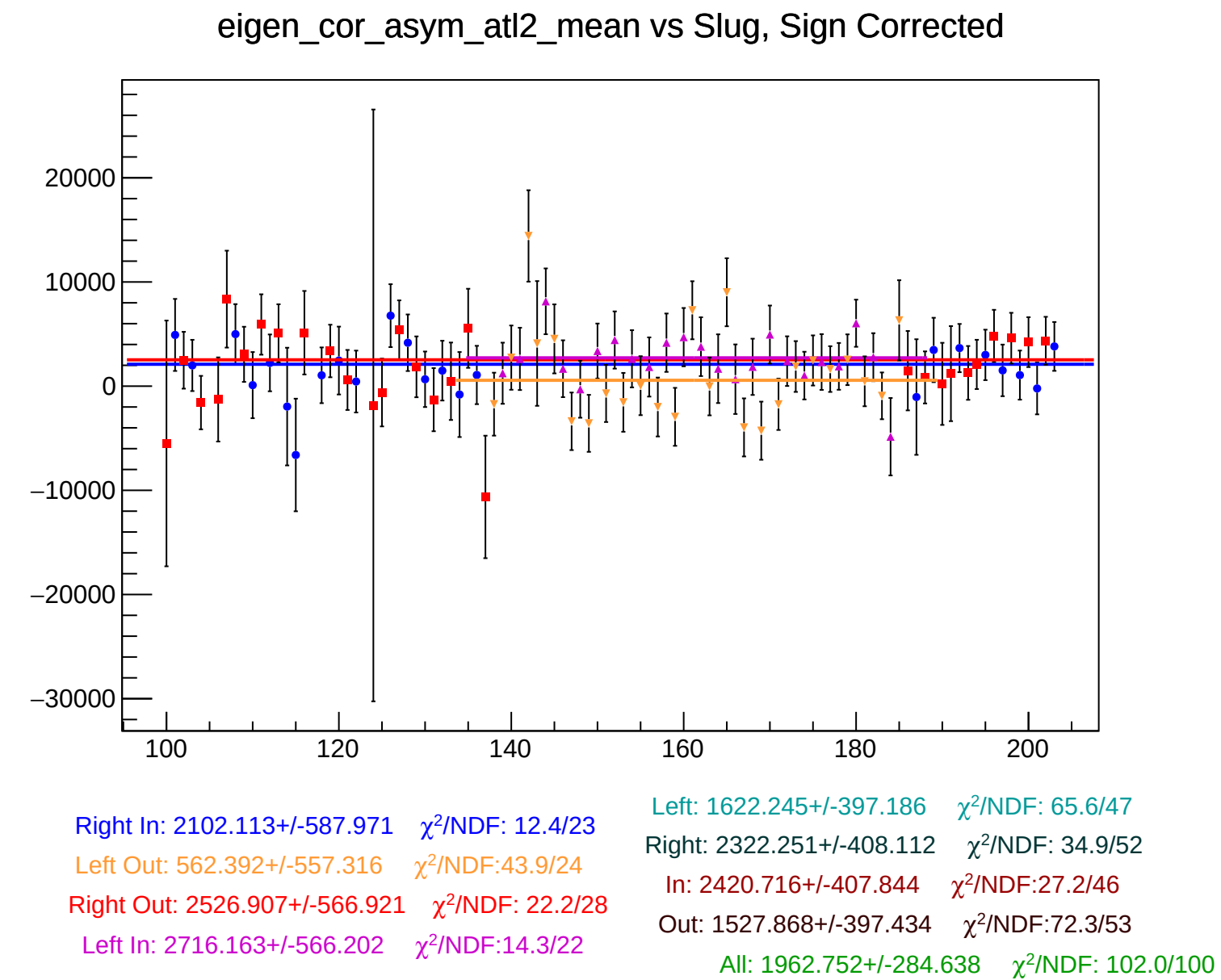
Left: 2534.217+/-0.506 χ^2/NDF: 49671551.4/47

Right: 2055.809+/-0.496 χ^2/NDF: 37883729.3/52

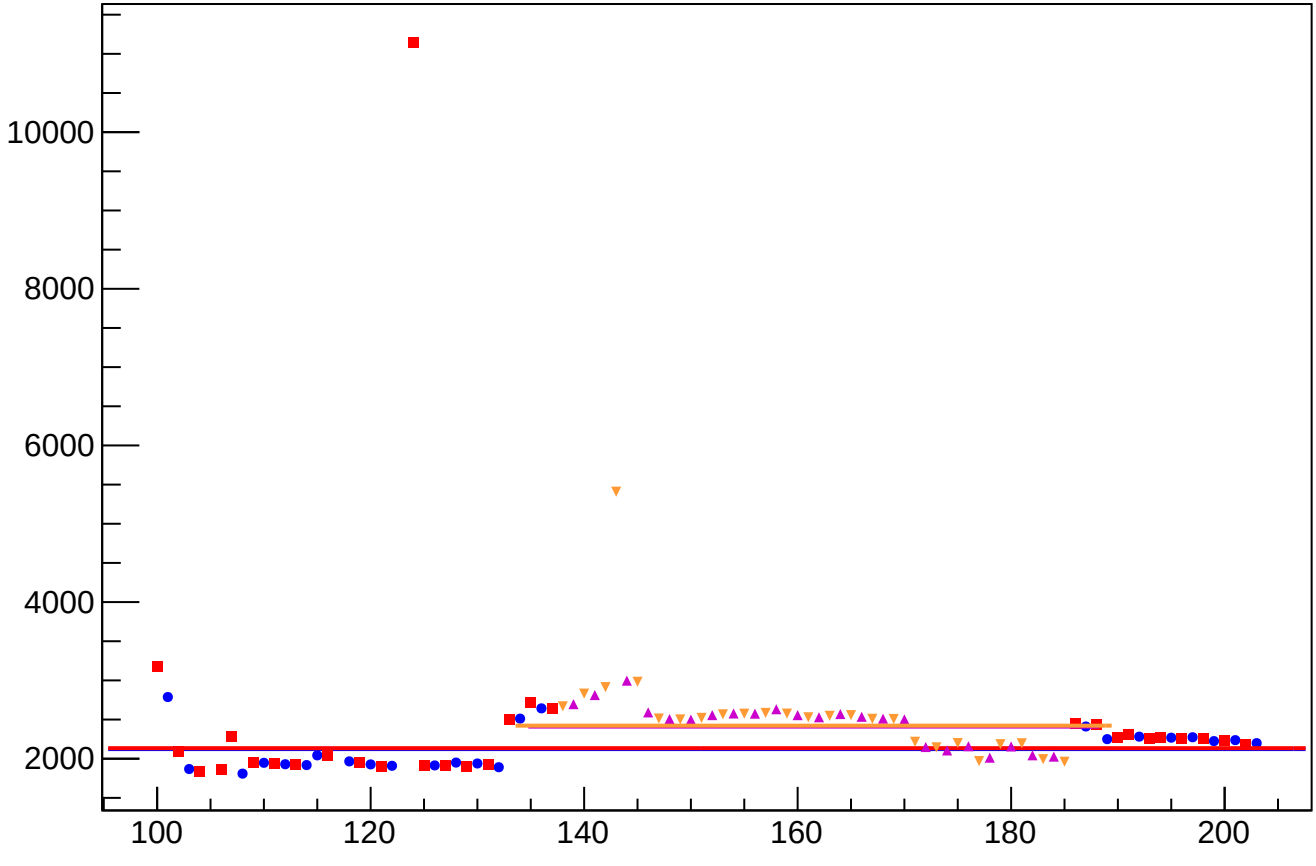
In: 7884.001+/-1.033 χ^2/NDF:4479606.7/46

Out: 1543.949+/-0.377 χ^2/NDF:50298305.2/53

All: 2290.033+/-0.354 χ^2/NDF: 88010696.7/1


eigen_cor_asym_atl2_mean vs Slug, Sign Corrected
20000
10000
0
−10000
−20000
−30000
100
120
140
160
180
200
Right In: 2102.113+/-587.971 χ²/NDF: 12.4/23
Left Out: 562.392+/-557.316 χ²/NDF:43.9/24
Right Out: 2526.907+/-566.921 χ²/NDF: 22.2/28
Left In: 2716.163+/-566.202 χ²/NDF:14.3/22
Left: 1622.245+/-397.186 χ²/NDF: 65.6/47
Right: 2322.251+/-408.112 χ²/NDF: 34.9/52
In: 2420.716+/-407.844 χ²/NDF:27.2/46
Out: 1527.868+/-397.434 χ²/NDF:72.3/53
All: 1962.752+/-284.638 χ²/NDF: 102.0/100

eigen_cor_asym_atl2_rms vs Slug, Sign Corrected



Right In: 2123.099+/-0.416 χ^2/NDF: 332885.2/23

Left Out: 2422.152+/-0.394 χ^2/NDF:952857.9/24

Right Out: 2134.670+/-0.401 χ^2/NDF: 510164.6/28

Left In: 2409.820+/-0.400 χ^2/NDF:428364.2/22

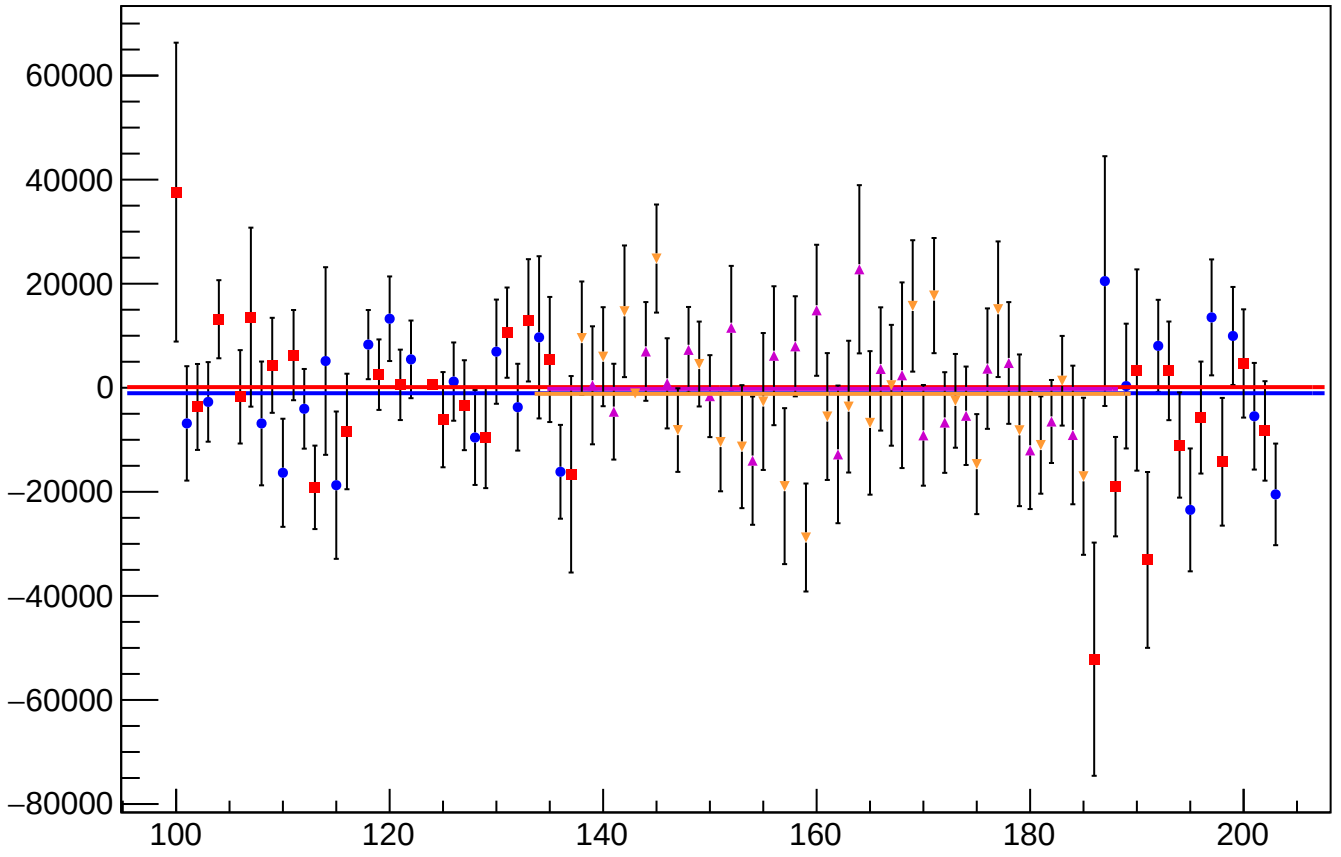
Left: 2416.083+/-0.281 χ^2/NDF: 1381703.9/47

Right: 2129.095+/-0.289 χ^2/NDF: 843451.2/52

In: 2271.865+/-0.288 χ^2/NDF:1008014.1/46

Out: 2280.866+/-0.281 χ^2/NDF:1724559.9/53

All: 2276.482+/-0.201 χ^2/NDF: 2733073.7/10



Right In: -1049.851+/-1957.506 χ^2/NDF: 28.1/23

Left Out: -1157.974+/-757.732 χ^2/NDF:31.9/24

Right Out: 123.071+/-751.403 χ^2/NDF: 35.6/28

Left In: -209.500+/-2195.055 χ^2/NDF:13.4/22

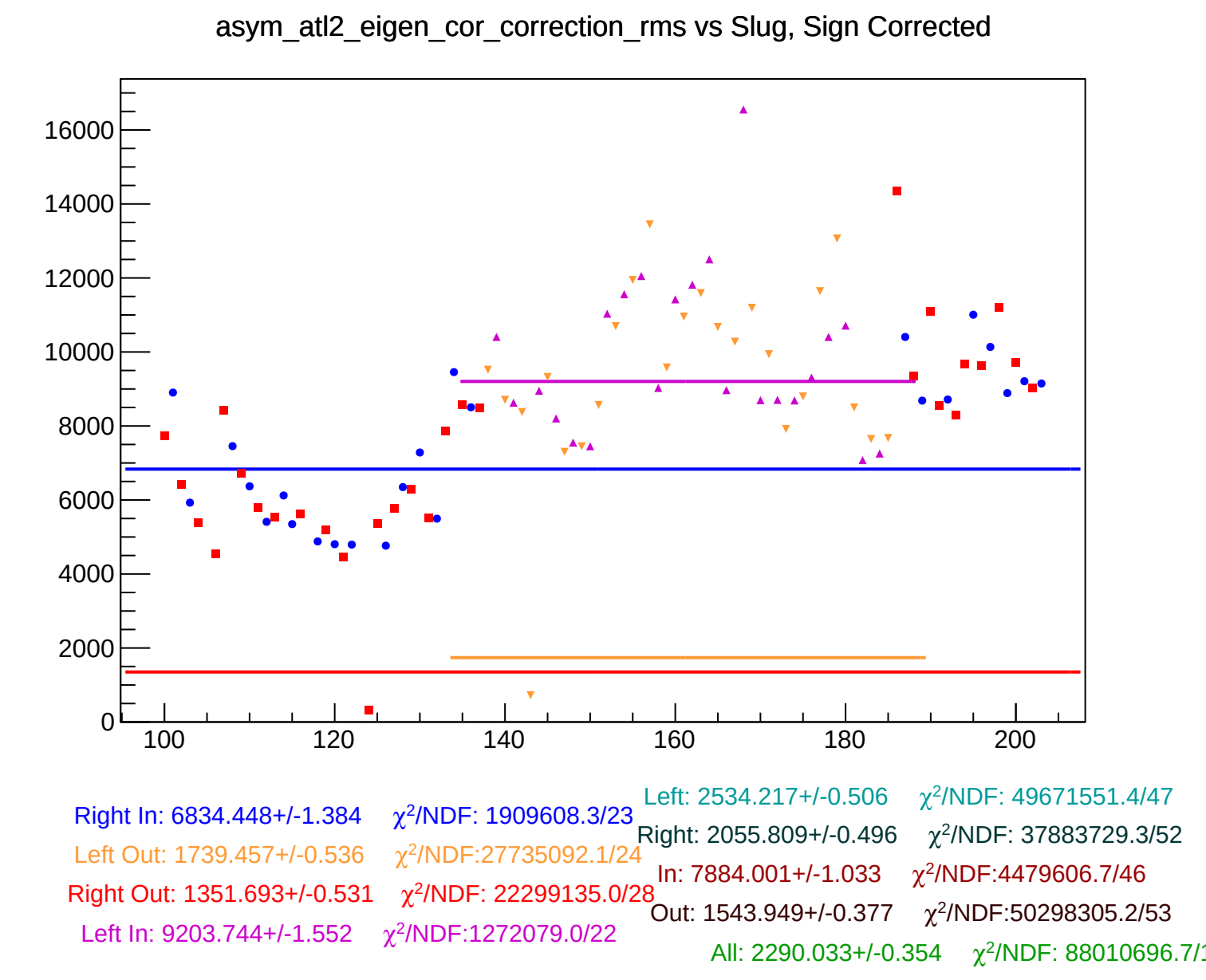
Left: -1056.985+/-716.258 χ^2/NDF: 45.5/47

Right: -27.560+/-701.497 χ^2/NDF: 64.0/52

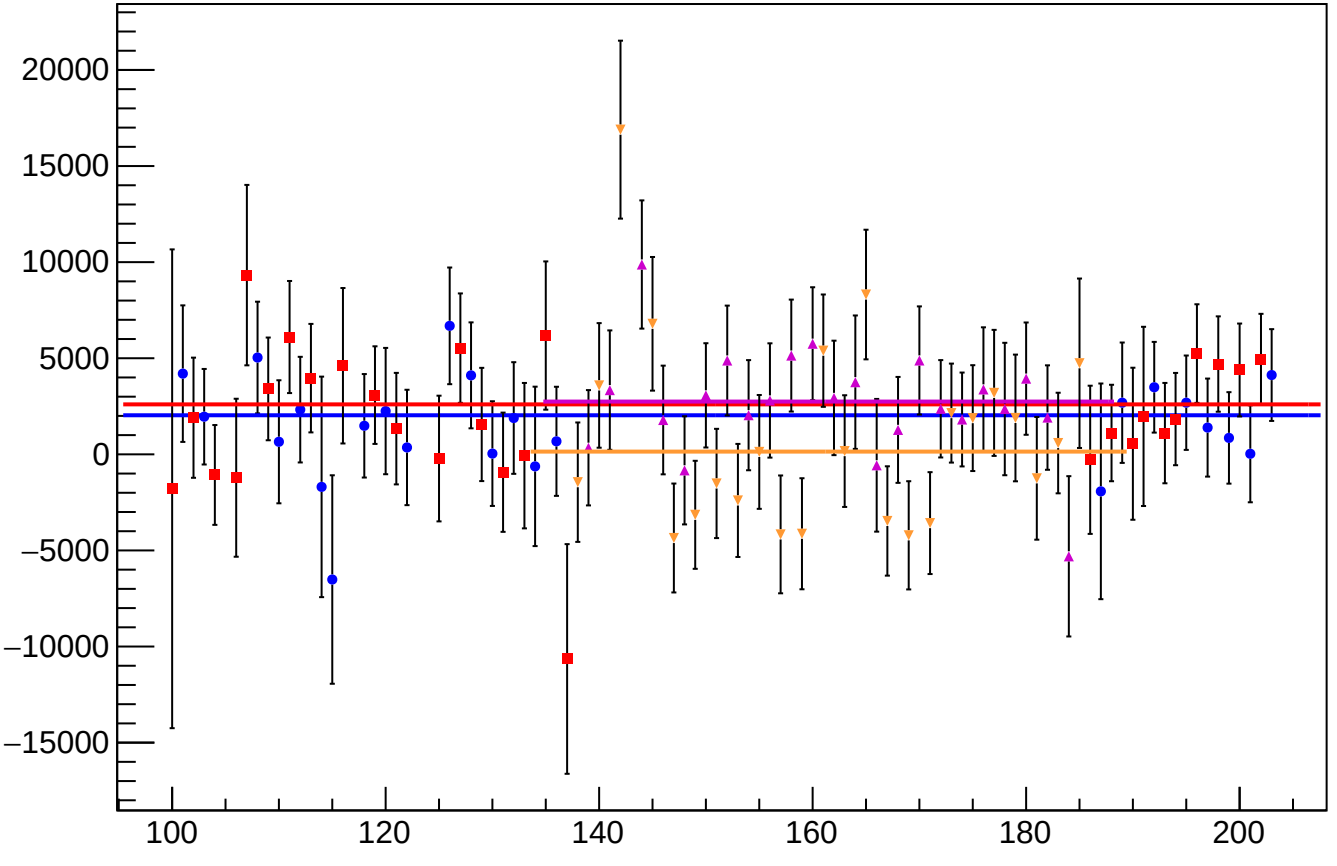
In: -677.591+/-1460.959 χ^2/NDF:41.6/46

Out: -512.079+/-533.546 χ^2/NDF:69.0/53

All: -531.556+/-501.170 χ^2/NDF: 110.6/100


asym_atl2_eigen_cor_correction_rms vs Slug, Sign Corrected
16000
14000
12000
10000
8000
6000
4000
2000
0
100
120
140
160
180
200
Right In: 6834.448+/-1.384 χ²/NDF: 1909608.3/23
Left Out: 1739.457+/-0.536 χ²/NDF:27735092.1/24
Right Out: 1351.693+/-0.531 χ²/NDF: 22299135.0/28
Left In: 9203.744+/-1.552 χ²/NDF:1272079.0/22
Left: 2534.217+/-0.506 χ²/NDF: 49671551.4/47
Right: 2055.809+/-0.496 χ²/NDF: 37883729.3/52
In: 7884.001+/-1.033 χ²/NDF:4479606.7/46
Out: 1543.949+/-0.377 χ²/NDF:50298305.2/53
All: 2290.033+/-0.354 χ²/NDF: 88010696.7/1

dit_asym_atl2_mean vs Slug, Sign Corrected



Right In: 2033.058+/-596.212 χ^2/NDF: 11.7/23

Left Out: 142.497+/-615.731 χ^2/NDF:45.8/23

Right Out: 2599.561+/-577.176 χ^2/NDF: 21.8/27

Left In: 2745.982+/-616.123 χ^2/NDF:15.4/22

Left: 1443.410+/-435.526 χ^2/NDF: 70.2/46

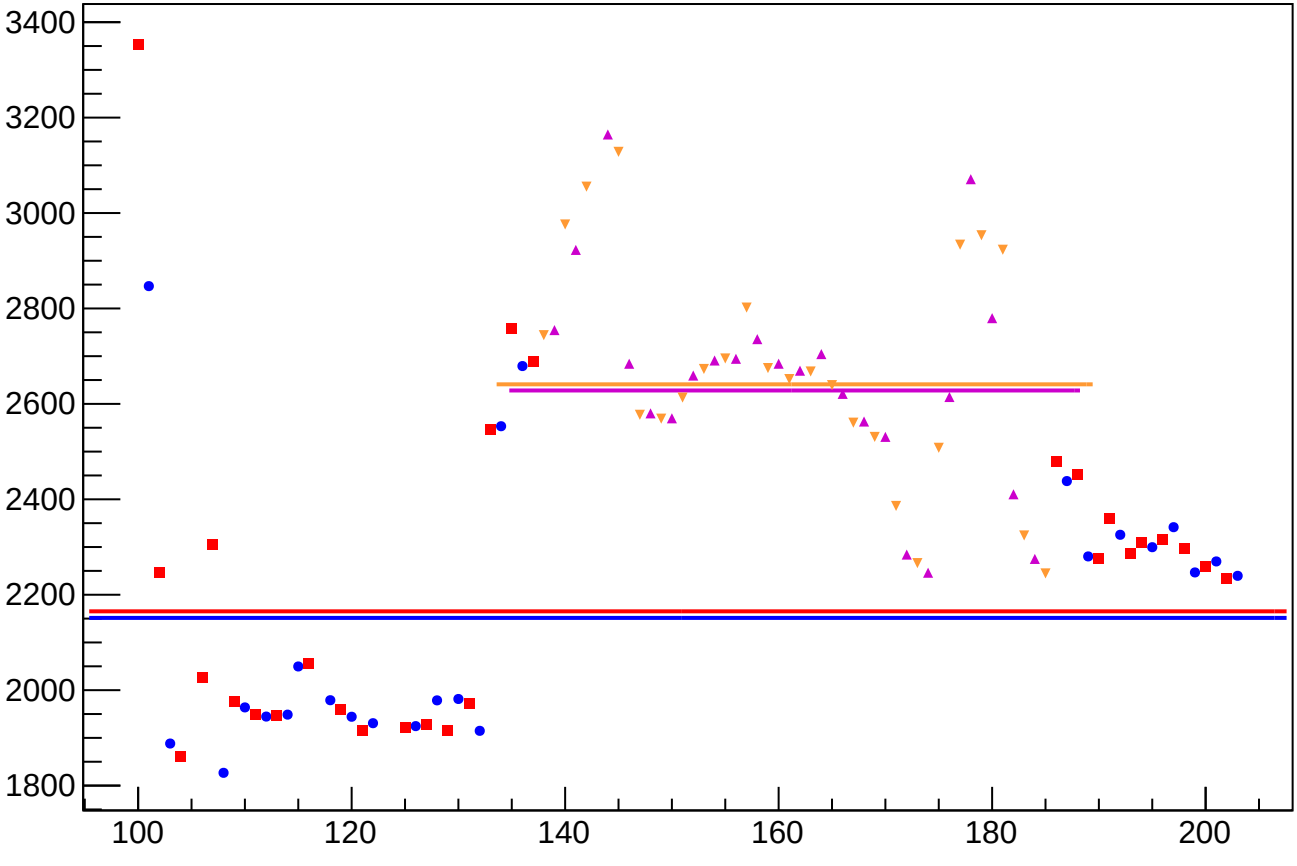
Right: 2325.498+/-414.692 χ^2/NDF: 33.9/51

In: 2377.815+/-428.452 χ^2/NDF:27.8/46

Out: 1450.359+/-421.096 χ^2/NDF:76.1/51

All: 1906.057+/-300.327 χ^2/NDF: 106.3/98

dit_asym_atl2_rms vs Slug, Sign Corrected



Right In: 2151.466+/-0.422 χ^2/NDF: 348651.6/23

Left Out: 2640.990+/-0.435 χ^2/NDF:253402.6/23

Right Out: 2165.234+/-0.408 χ^2/NDF: 316892.4/27

Left In: 2628.113+/-0.436 χ^2/NDF:237507.6/22

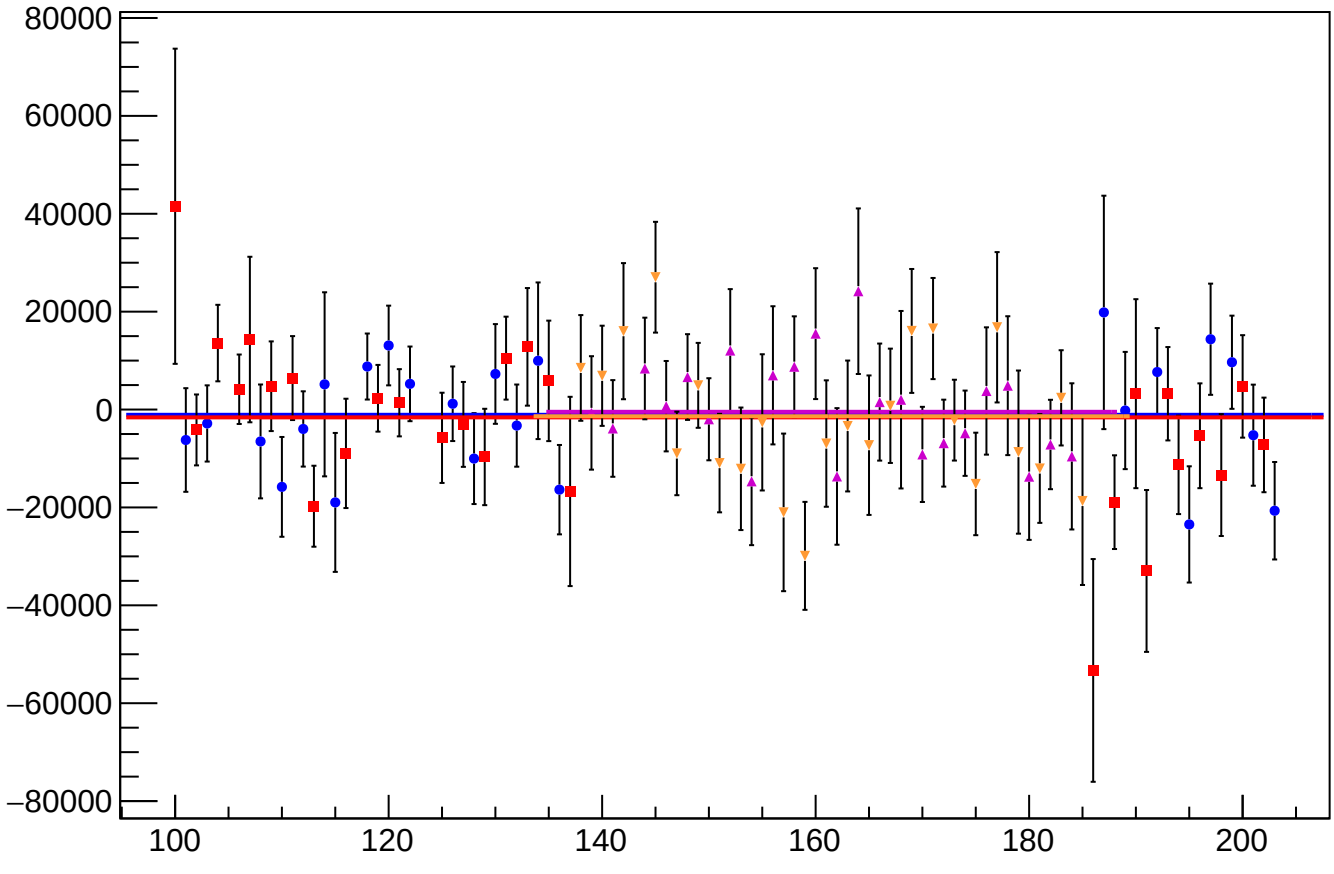
Left: 2634.556+/-0.308 χ^2/NDF: 491347.2/46

Right: 2158.579+/-0.293 χ^2/NDF: 666095.0/51

In: 2381.963+/-0.303 χ^2/NDF:1204307.0/46

Out: 2387.551+/-0.298 χ^2/NDF:1206368.1/51

All: 2384.807+/-0.212 χ^2/NDF: 2410848.2/98



Right In: -1074.403+/-1974.882 χ^2/NDF: 27.8/23

Left Out: -1366.840+/-2326.289 χ^2/NDF:31.3/23

Right Out: -1600.518+/-1853.082 χ^2/NDF: 34.7/27

Left In: -463.775+/-2314.478 χ^2/NDF:13.1/22

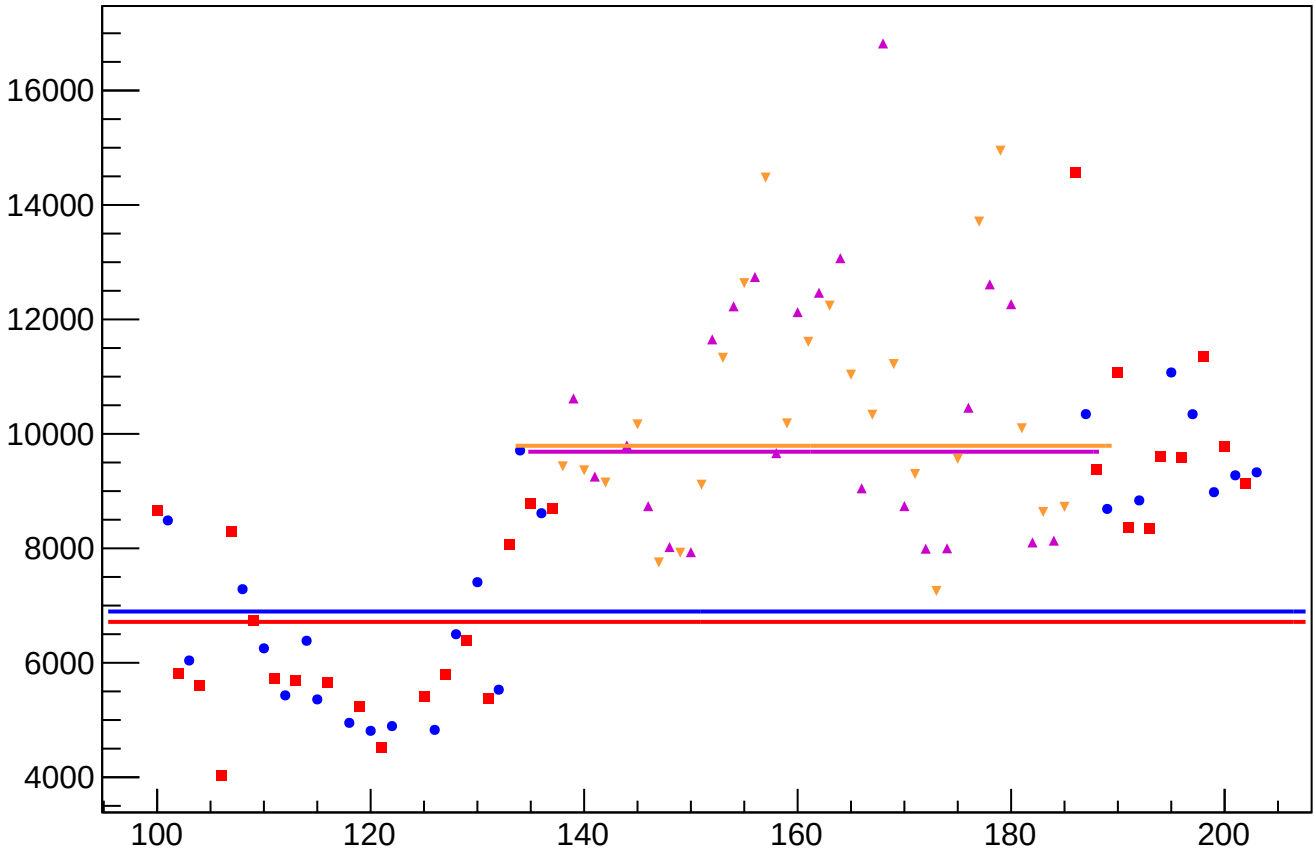
Left: -913.009+/-1640.743 χ^2/NDF: 44.4/46

Right: -1354.184+/-1351.336 χ^2/NDF: 62.5/51

In: -817.132+/-1502.311 χ^2/NDF:40.9/46

Out: -1509.802+/-1449.427 χ^2/NDF:66.0/51

All: -1175.873+/-1043.095 χ^2/NDF: 107.0/98



Right In: 6896.347+/-1.396 χ^2/NDF: 1887378.4/23

Left Out: 9792.234+/-1.645 χ^2/NDF:1219062.5/23

Right Out: 6715.074+/-1.310 χ^2/NDF: 2428754.0/27

Left In: 9688.179+/-1.637 χ^2/NDF:1378173.6/22

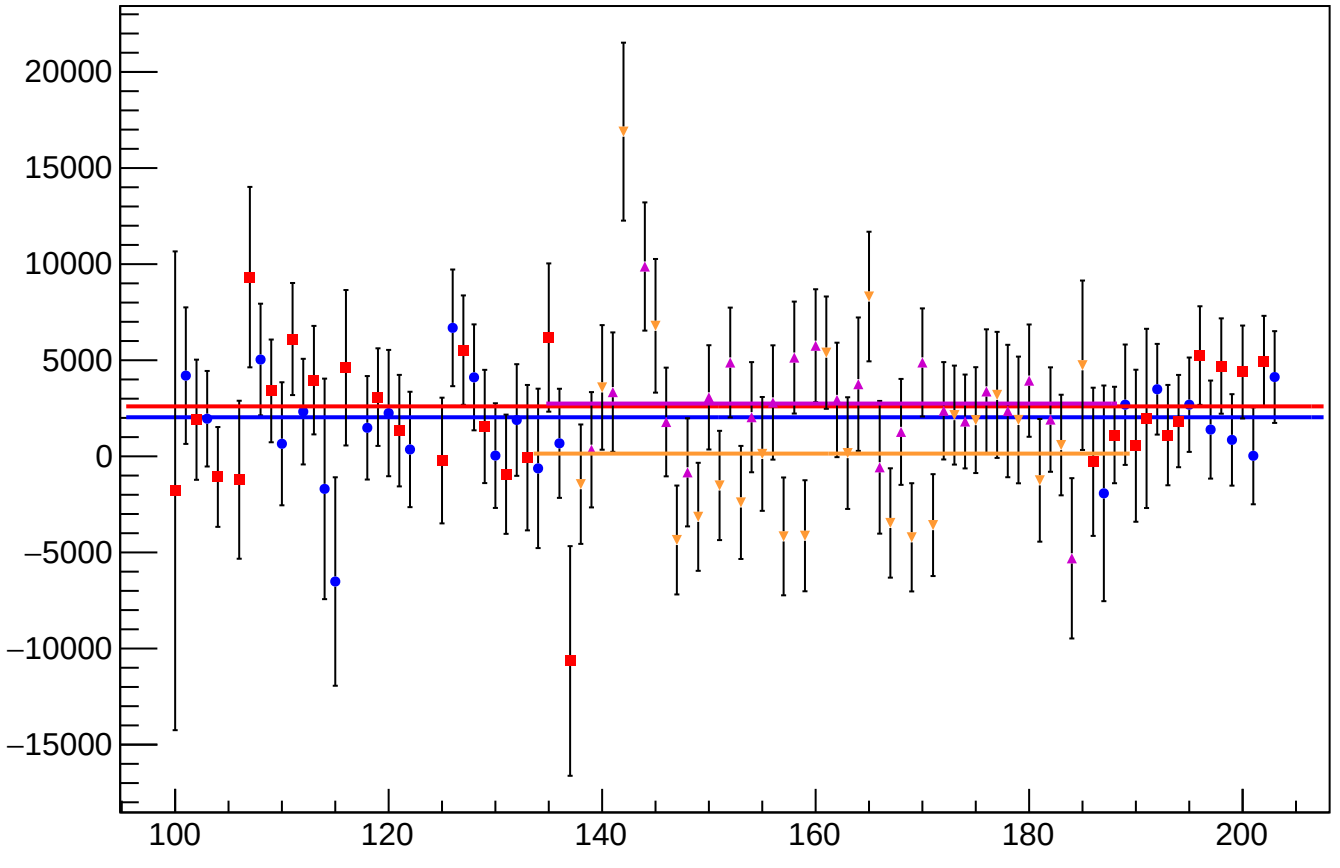
Left: 9739.942+/-1.160 χ^2/NDF: 2599247.1/46

Right: 6799.949+/-0.956 χ^2/NDF: 4325093.2/51

In: 8072.606+/-1.062 χ^2/NDF:4949543.1/46

Out: 7909.654+/-1.025 χ^2/NDF:5788763.1/51

All: 7988.212+/-0.738 χ^2/NDF: 10750492.7/9


eigen_dit_asym_atl2_mean vs Slug, Sign Corrected
20000
15000
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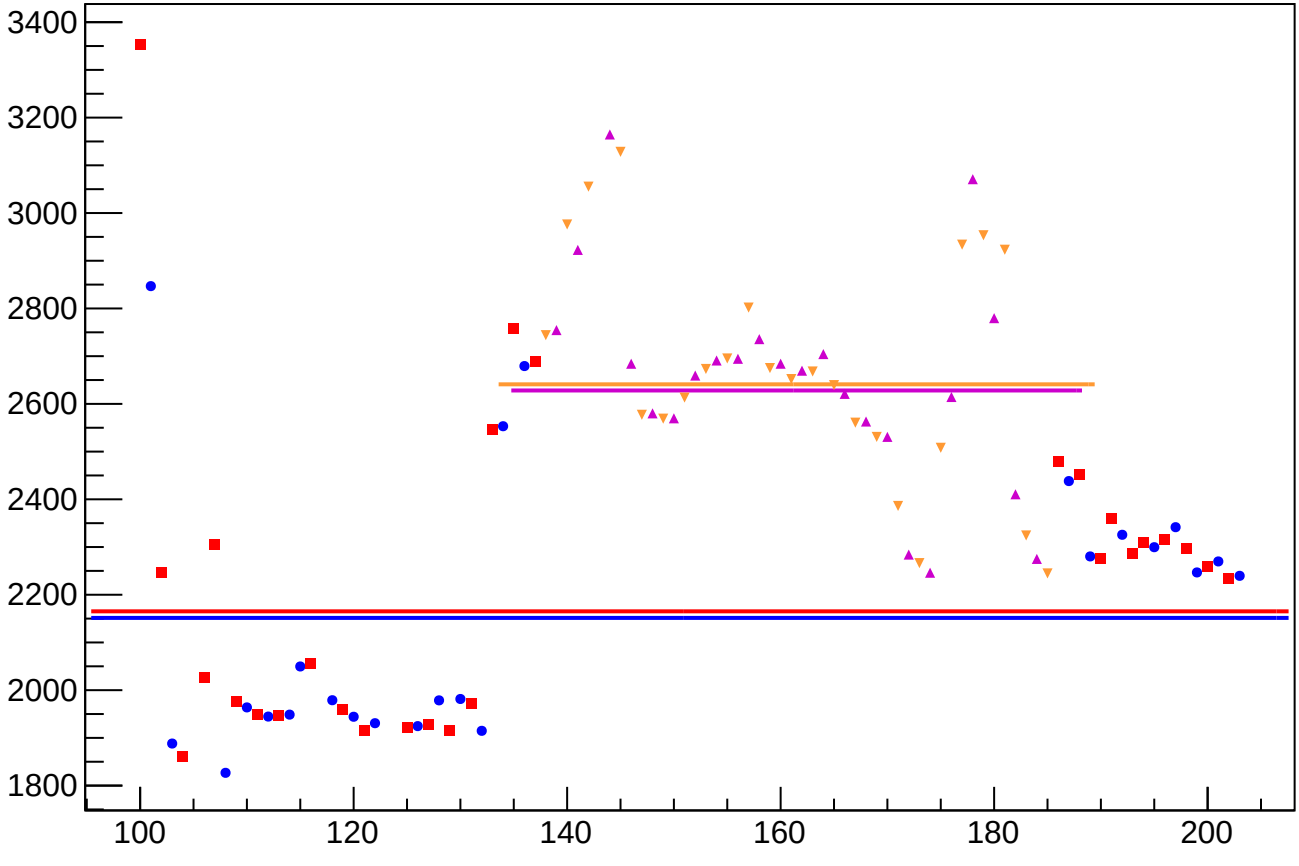
−5000
−10000
−15000
100
120
140
160
180
200
Right In: 2033.053+/-596.213 χ²/NDF: 11.7/23
Left Out: 142.487+/-615.732 χ²/NDF:45.8/23
Right Out: 2599.563+/-577.176 χ²/NDF: 21.8/27
Left In: 2745.980+/-616.124 χ²/NDF:15.4/22
Left: 1443.405+/-435.527 χ²/NDF: 70.2/46
Right: 2325.497+/-414.692 χ²/NDF: 33.9/51
In: 2377.811+/-428.452 χ²/NDF:27.8/46
Out: 1450.357+/-421.096 χ²/NDF:76.1/51
All: 1906.054+/-300.327 χ²/NDF: 106.3/98

eigen_dit_asym_atl2_rms vs Slug, Sign Corrected



Right In: 2151.466+/-0.422 χ^2/NDF: 348651.8/23

Left Out: 2640.993+/-0.435 χ^2/NDF:253411.8/23

Right Out: 2165.234+/-0.408 χ^2/NDF: 316892.8/27

Left In: 2628.116+/-0.436 χ^2/NDF:237516.8/22

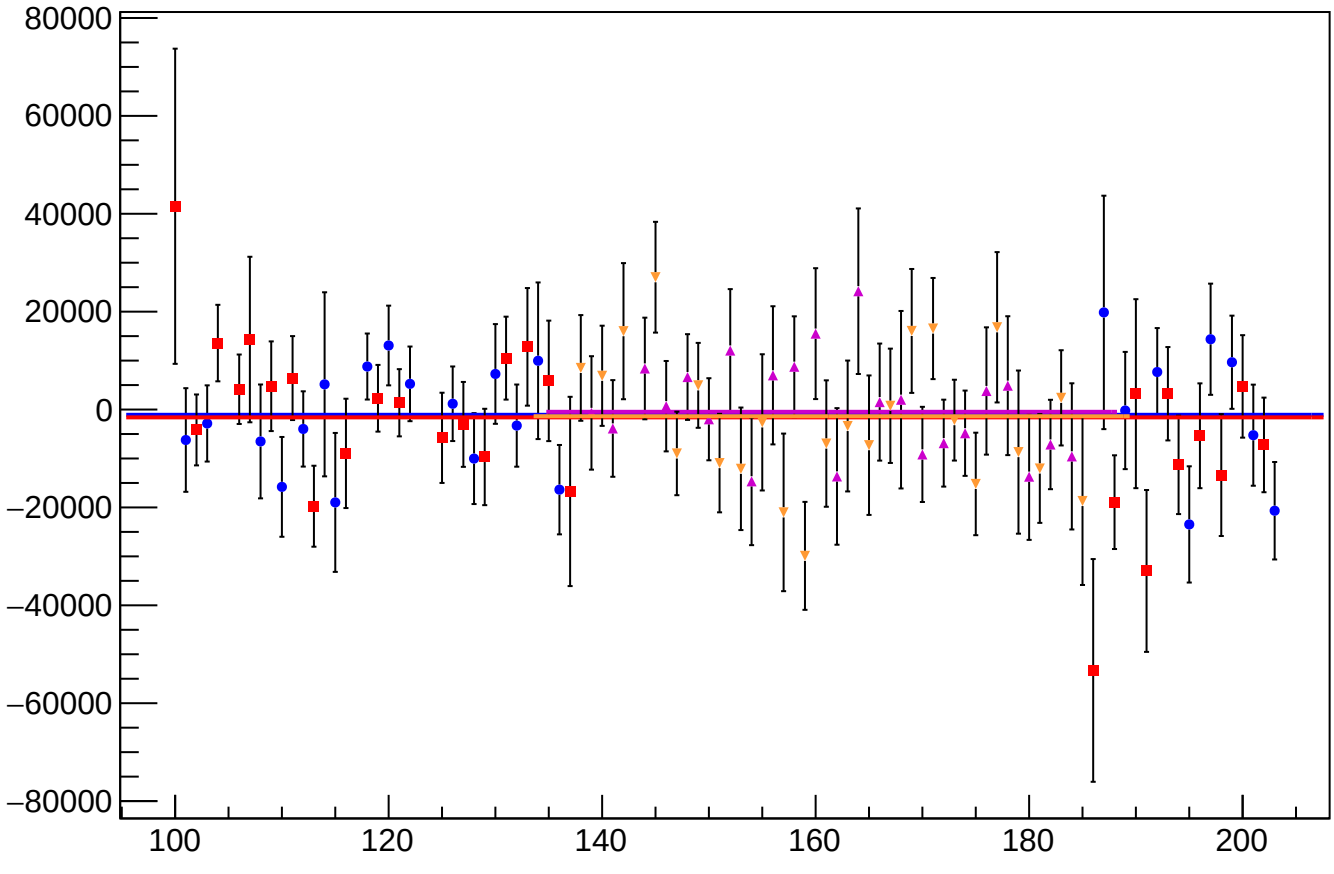
Left: 2634.558+/-0.308 χ^2/NDF: 491365.7/46

Right: 2158.579+/-0.293 χ^2/NDF: 666095.6/51

In: 2381.964+/-0.303 χ^2/NDF:1204320.8/46

Out: 2387.552+/-0.298 χ^2/NDF:1206383.3/51

All: 2384.808+/-0.212 χ^2/NDF: 2410877.2/98



Right In: -1074.390+/-1974.879 χ^2/NDF: 27.8/23

Left Out: -1366.849+/-2326.293 χ^2/NDF:31.3/23

Right Out: -1600.506+/-1853.079 χ^2/NDF: 34.7/27

Left In: -463.777+/-2314.482 χ^2/NDF:13.1/22

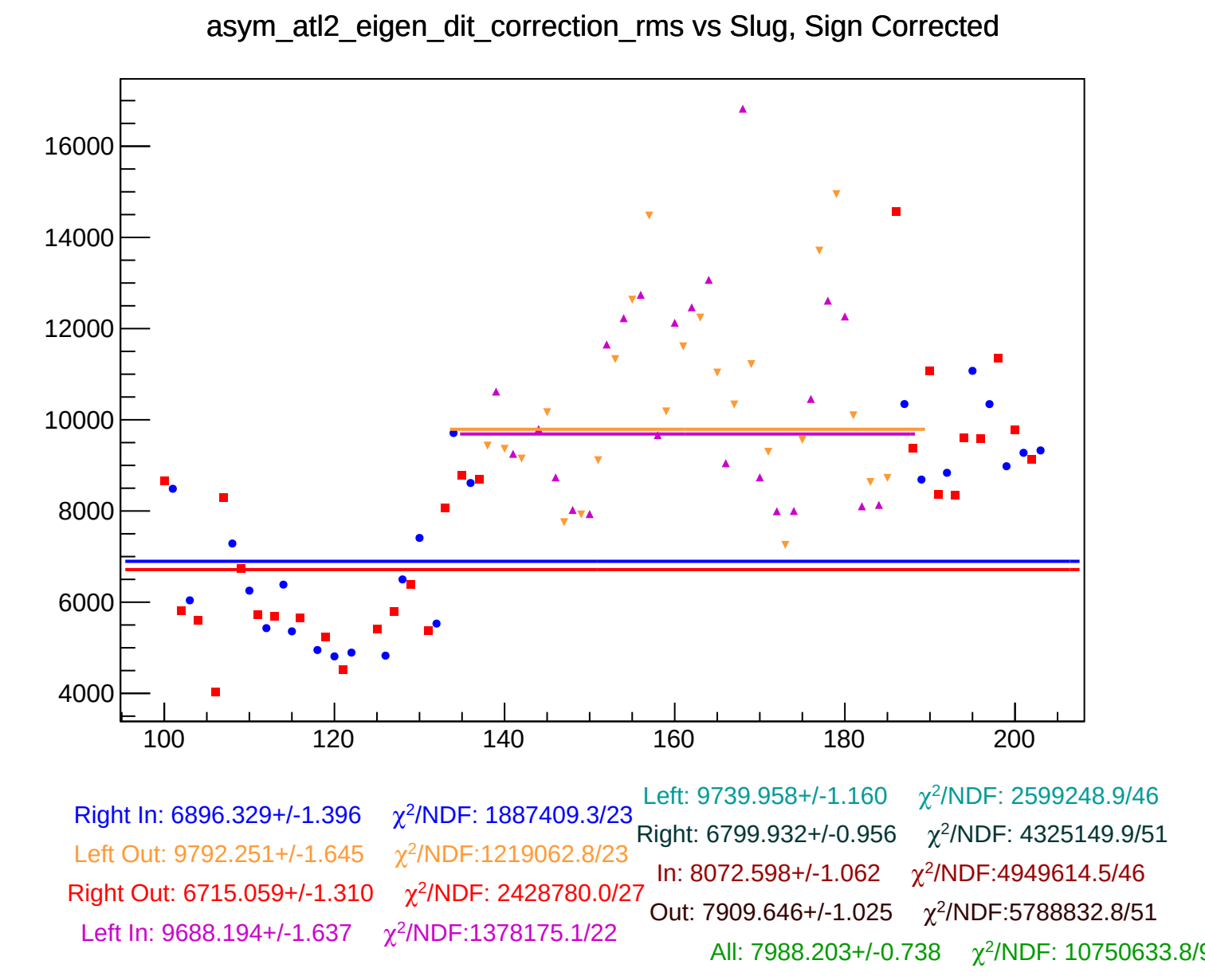
Left: -913.015+/-1640.746 χ^2/NDF: 44.4/46

Right: -1354.172+/-1351.333 χ^2/NDF: 62.5/51

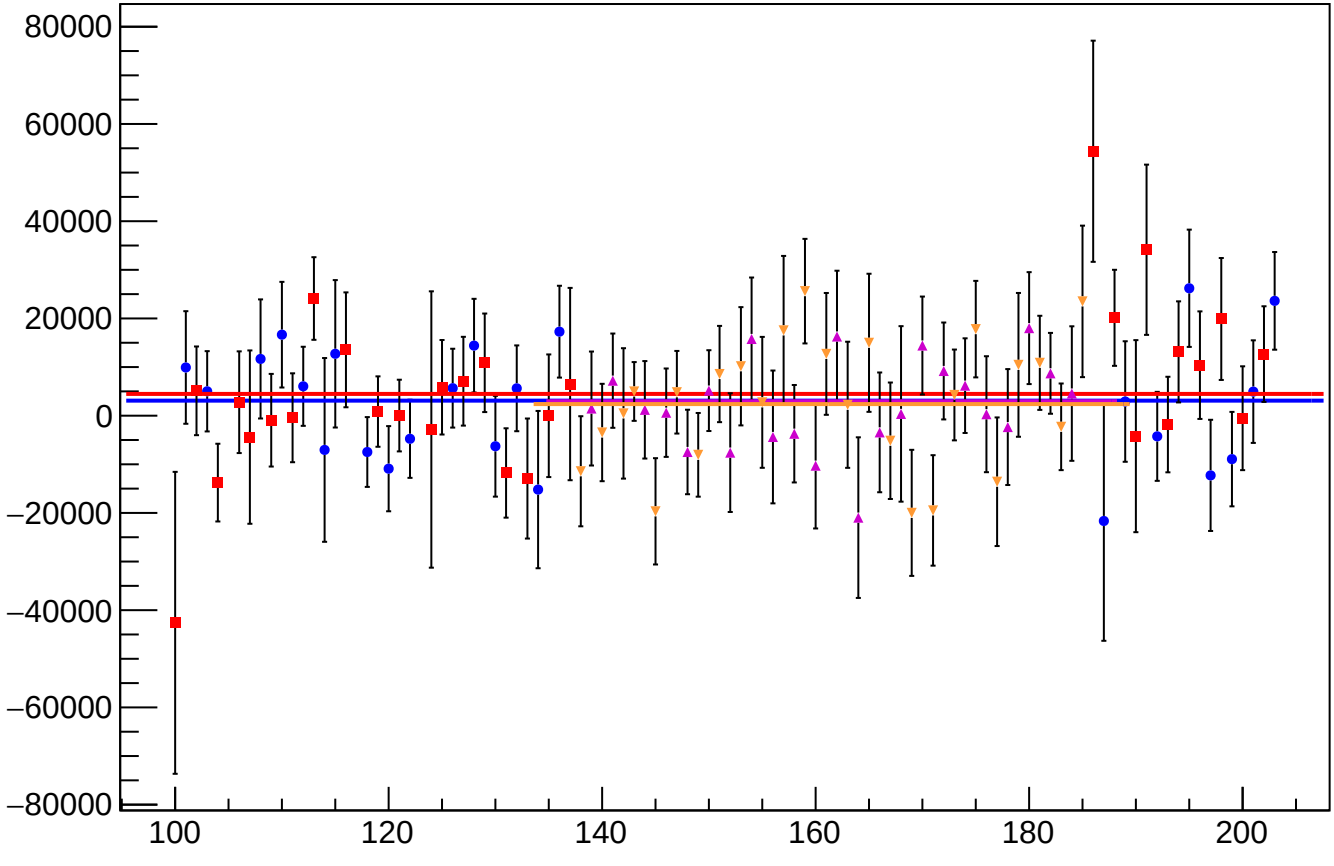
In: -817.127+/-1502.311 χ^2/NDF:40.9/46

Out: -1509.799+/-1449.426 χ^2/NDF:66.0/51

All: -1175.869+/-1043.094 χ^2/NDF: 107.0/98


asym_atl2_eigen_dit_correction_rms vs Slug, Sign Corrected
16000
14000
12000
10000
8000
6000
4000
100
120
140
160
180
200
Right In: 6896.329+/-1.396 χ²/NDF: 1887409.3/23
Left Out: 9792.251+/-1.645 χ²/NDF:1219062.8/23
Right Out: 6715.059+/-1.310 χ²/NDF: 2428780.0/27
Left In: 9688.194+/-1.637 χ²/NDF:1378175.1/22
Left: 9739.958+/-1.160 χ²/NDF: 2599248.9/46
Right: 6799.932+/-0.956 χ²/NDF: 4325149.9/51
In: 8072.598+/-1.062 χ²/NDF:4949614.5/46
Out: 7909.646+/-1.025 χ²/NDF:5788832.8/51
All: 7988.203+/-0.738 χ²/NDF: 10750633.8/9

asym_atl2_mean vs Slug, Sign Corrected



Right In: 3095.143+/-2063.859 χ^2/NDF: 27.7/23

Left Out: 2387.857+/-2136.530 χ^2/NDF:29.7/24

Right Out: 4477.138+/-1982.112 χ^2/NDF: 35.0/28

Left In: 2963.537+/-2278.927 χ^2/NDF:13.0/22

Left: 2657.151+/-1558.666 χ^2/NDF: 42.8/47

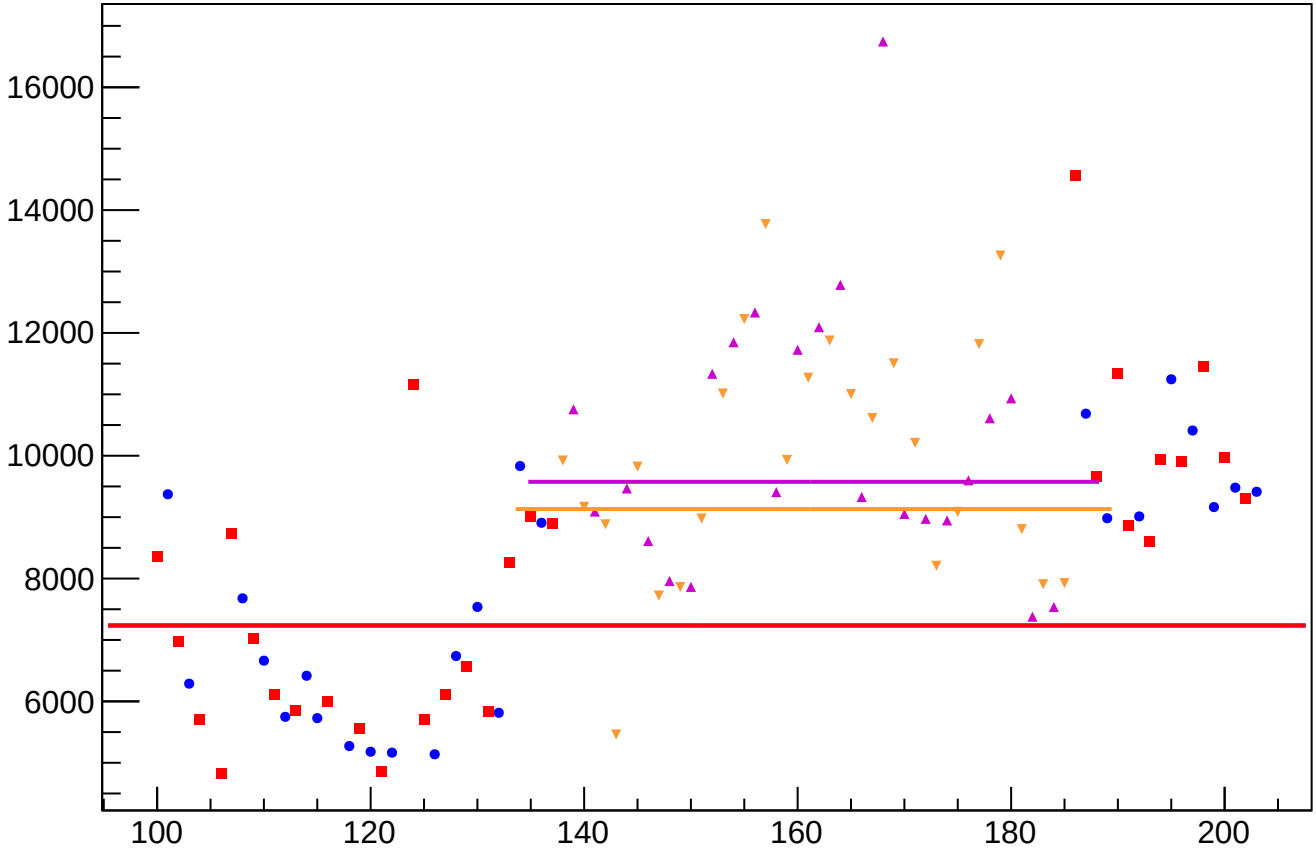
Right: 3814.052+/-1429.591 χ^2/NDF: 62.9/52

In: 3035.841+/-1529.766 χ^2/NDF:40.7/46

Out: 3510.720+/-1453.092 χ^2/NDF:65.2/53

All: 3285.479+/-1053.555 χ^2/NDF: 106.0/100

asym_atl2_rms vs Slug, Sign Corrected



Right In: 7236.128+/-1.459 χ^2/NDF: 1685674.4/23

Left Out: 9131.714+/-1.511 χ^2/NDF:1811661.2/24

Right Out: 7235.014+/-1.402 χ^2/NDF: 2028778.4/28

Left In: 9575.233+/-1.611 χ^2/NDF:1153802.3/22

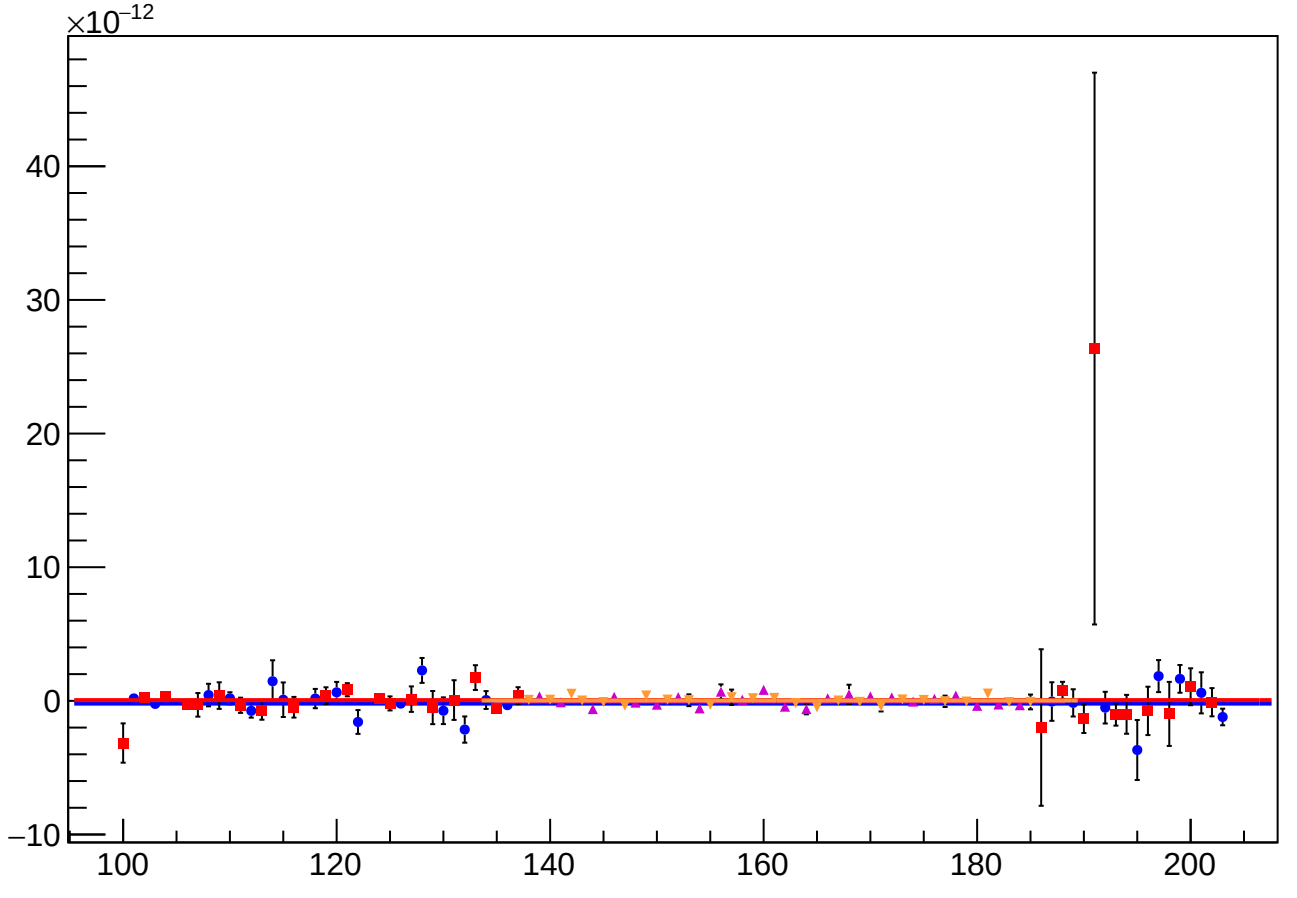
Left: 9339.185+/-1.102 χ^2/NDF: 3005779.9/47

Right: 7235.548+/-1.011 χ^2/NDF: 3714453.1/52

In: 8290.123+/-1.082 χ^2/NDF:3997078.6/46

Out: 8112.350+/-1.027 χ^2/NDF:4687549.8/53

All: 8196.670+/-0.745 χ^2/NDF: 8698826.8/10



Right In: -0.000+/-0.000 χ^2/NDF: 32.4/23

Left Out: 0.000+/-0.000 χ^2/NDF:17.9/24

Right Out: 0.000+/-0.000 χ^2/NDF: 28.9/28

Left In: -0.000+/-0.000 χ^2/NDF:36.8/22

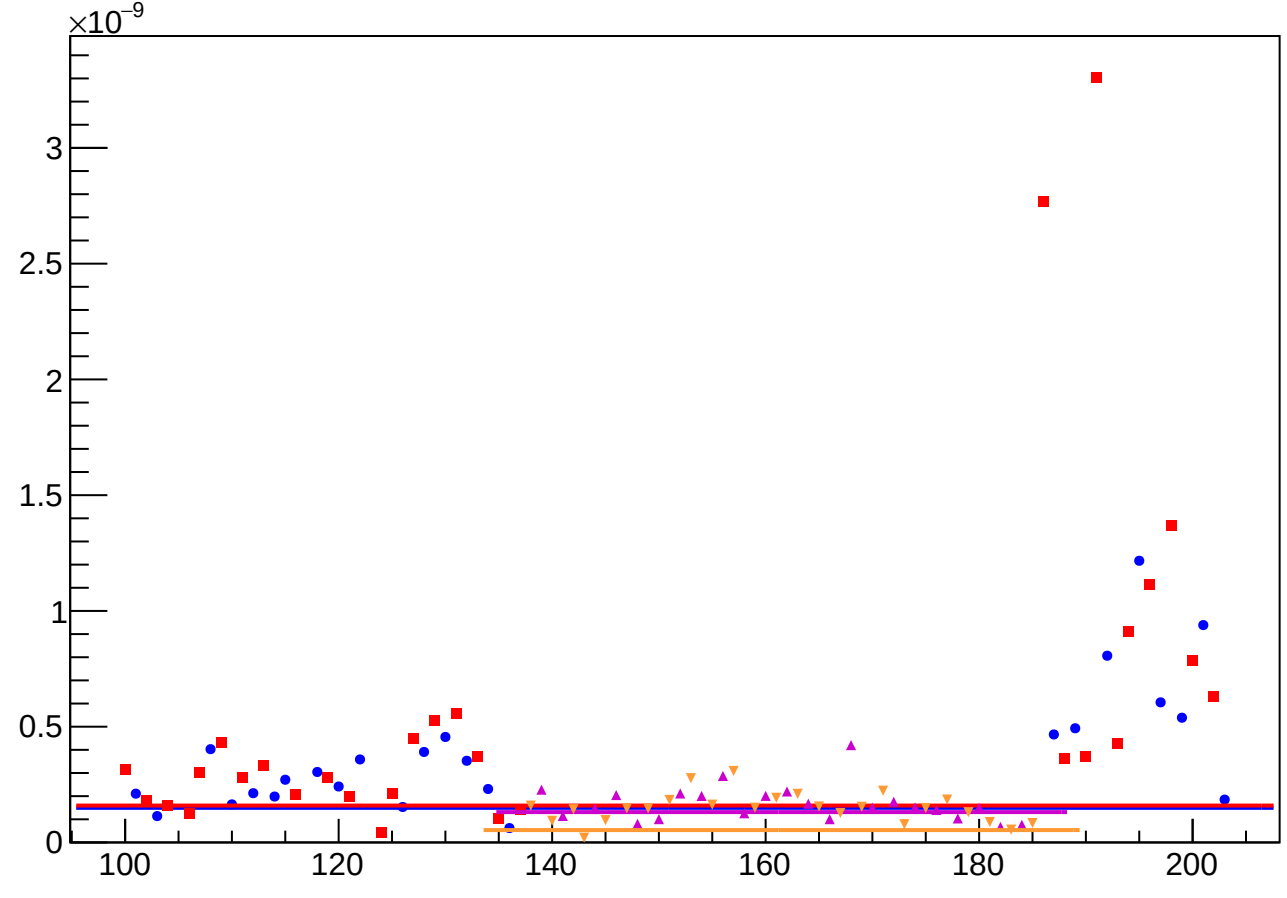
Left: 0.000+/-0.000 χ^2/NDF: 56.1/47

Right: -0.000+/-0.000 χ^2/NDF: 65.3/52

In: -0.000+/-0.000 χ^2/NDF:71.3/46

Out: 0.000+/-0.000 χ^2/NDF:46.9/53

All: -0.000+/-0.000 χ^2/NDF: 122.9/100



Right In: 0.000+/-0.000 χ^2/NDF: 4307046.3/23

Left Out: 0.000+/-0.000 χ^2/NDF:7244510.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 5801396.7/28

Left In: 0.000+/-0.000 χ^2/NDF:1904207.4/22

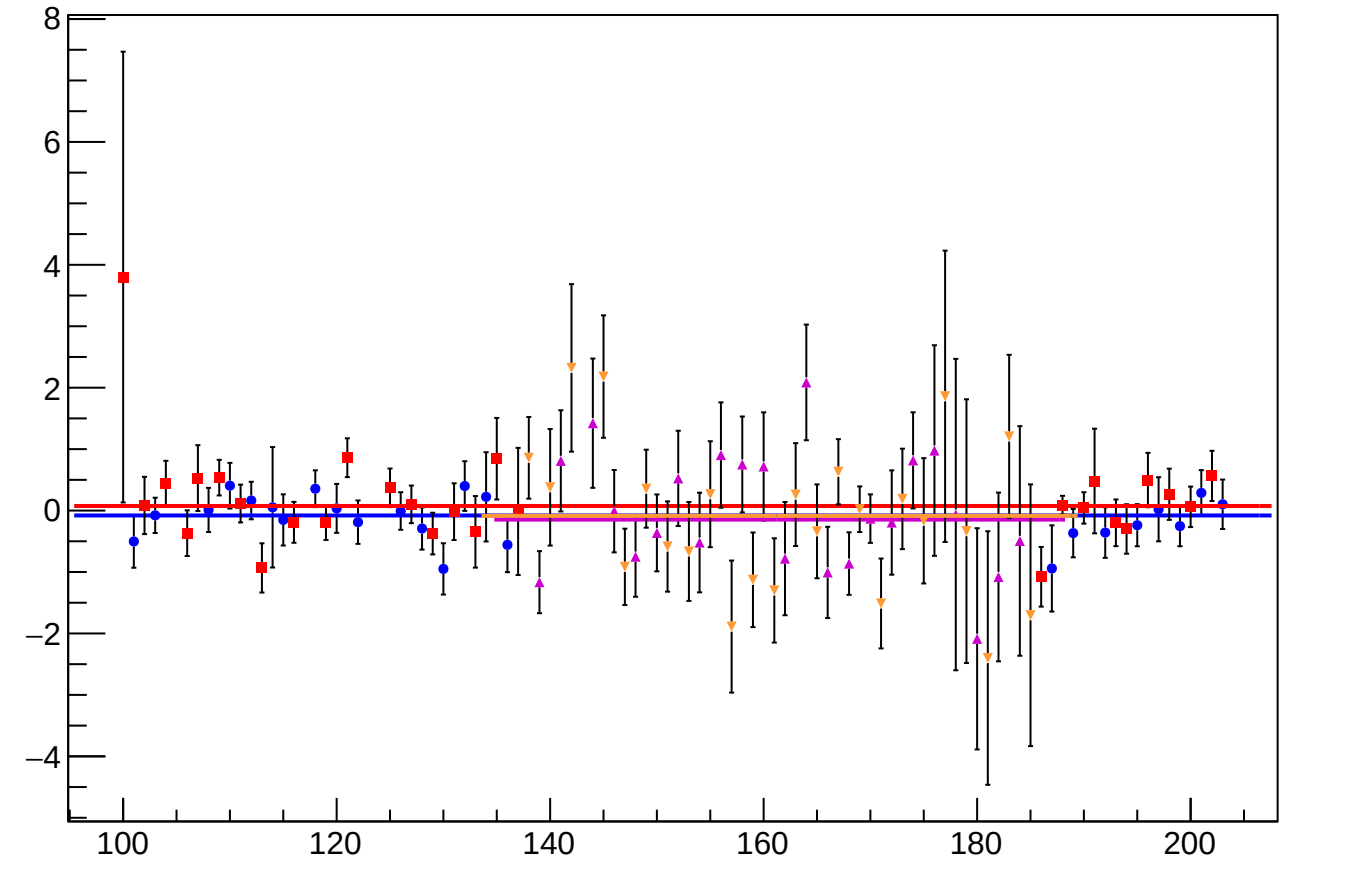
Left: 0.000+/-0.000 χ^2/NDF: 12255967.6/47

Right: 0.000+/-0.000 χ^2/NDF: 10119591.0/52

In: 0.000+/-0.000 χ^2/NDF:6270838.1/46

Out: 0.000+/-0.000 χ^2/NDF:15414549.9/53

All: 0.000+/-0.000 χ^2/NDF: 25186116.0/100



Right In: -0.080+/-0.078 χ^2/NDF: 17.5/23

Left Out: -0.085+/-0.161 χ^2/NDF:30.2/23

Right Out: 0.075+/-0.066 χ^2/NDF: 35.1/27

Left In: -0.147+/-0.158 χ^2/NDF:26.4/22

Left: -0.117+/-0.113 χ^2/NDF: 56.8/46

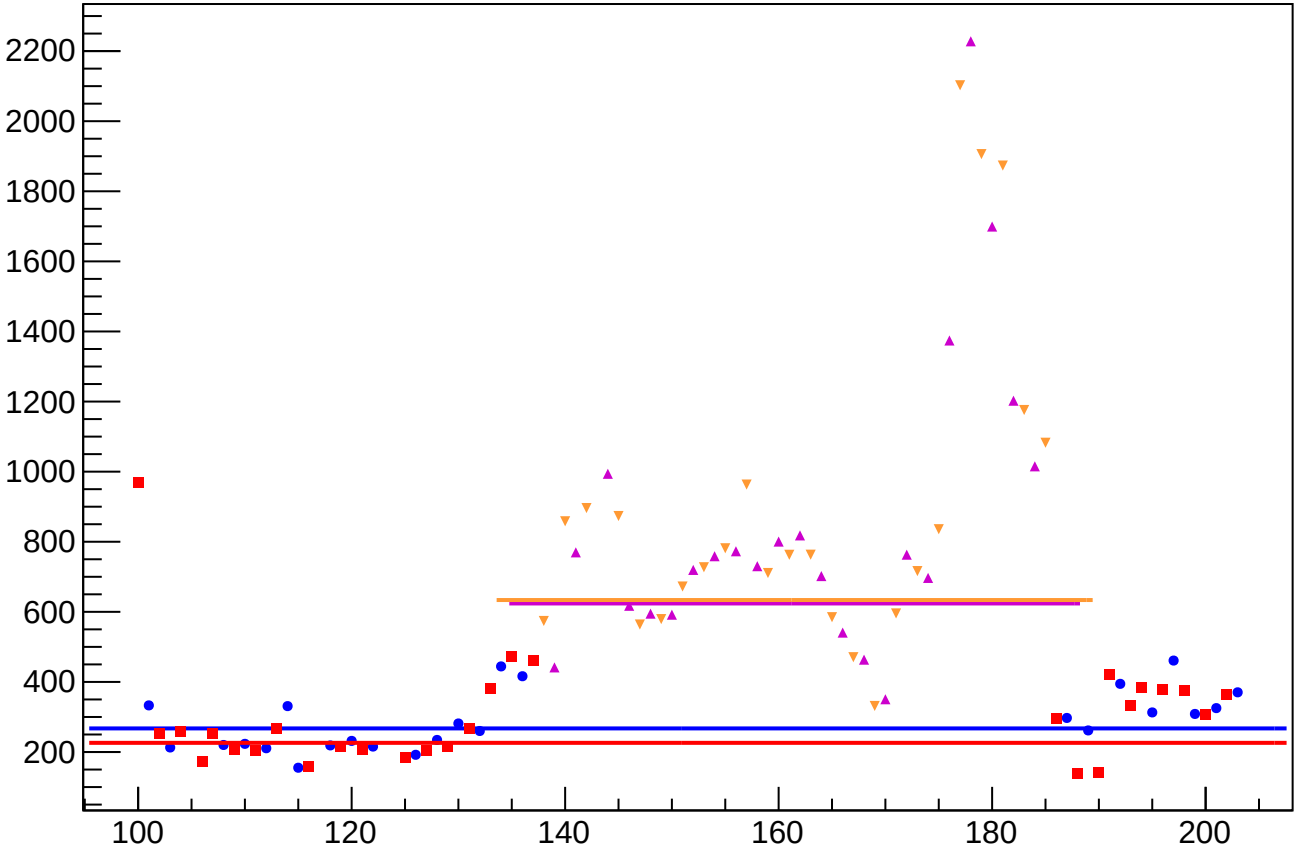
Right: 0.010+/-0.051 χ^2/NDF: 54.9/51

In: -0.093+/-0.070 χ^2/NDF:44.0/46

Out: 0.052+/-0.061 χ^2/NDF:66.2/51

All: -0.011+/-0.046 χ^2/NDF: 112.7/98

asym_atl2_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 267.354+/-0.055 χ^2/NDF: 1718549.1/23

Left Out: 633.674+/-0.114 χ^2/NDF:4994105.8/23

Right Out: 226.197+/-0.047 χ^2/NDF: 3205006.6/27

Left In: 623.916+/-0.112 χ^2/NDF:4541431.8/22

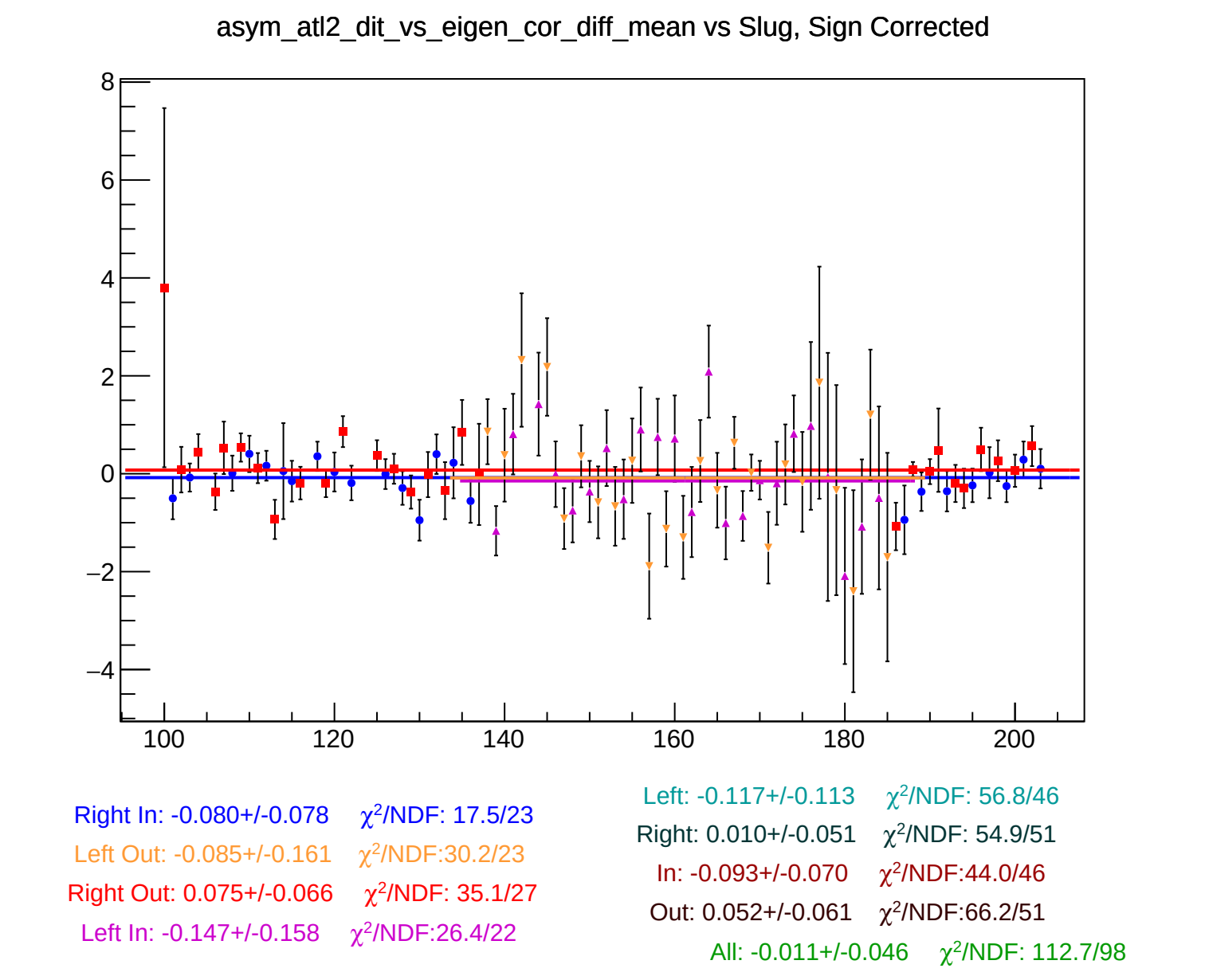
Left: 628.697+/-0.080 χ^2/NDF: 9539265.1/46

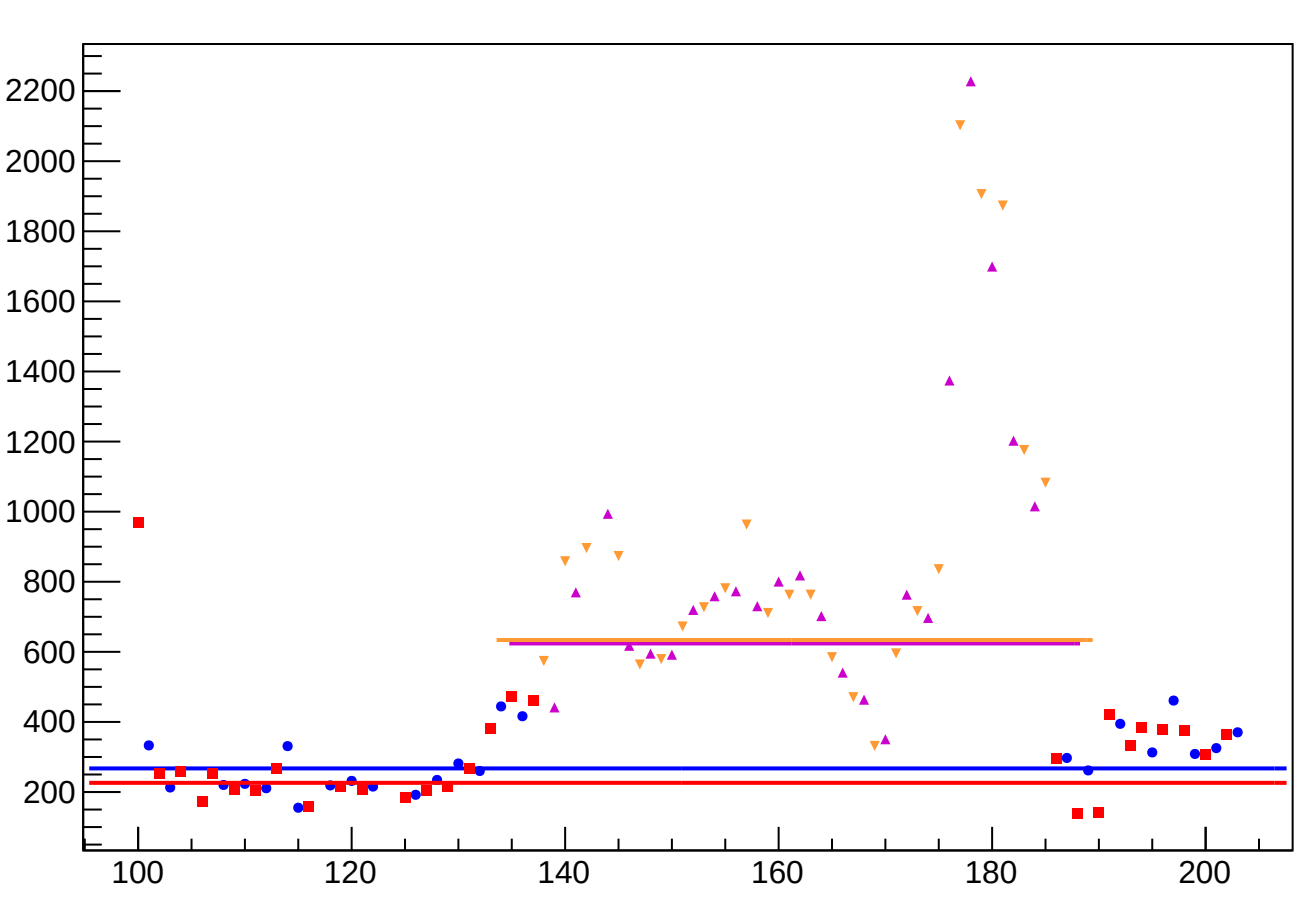
Right: 243.408+/-0.036 χ^2/NDF: 5244849.4/51

In: 337.541+/-0.050 χ^2/NDF:14418734.9/46

Out: 285.166+/-0.043 χ^2/NDF:19097686.1/51

All: 307.874+/-0.033 χ^2/NDF: 34147125.3/98


asym_atl2_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected
8
6
4
2
0
−2
−4
100
120
140
160
180
200
Right In: -0.080+/-0.078 χ²/NDF: 17.5/23
Left Out: -0.085+/-0.161 χ²/NDF:30.2/23
Right Out: 0.075+/-0.066 χ²/NDF: 35.1/27
Left In: -0.147+/-0.158 χ²/NDF:26.4/22
Left: -0.117+/-0.113 χ²/NDF: 56.8/46
Right: 0.010+/-0.051 χ²/NDF: 54.9/51
In: -0.093+/-0.070 χ²/NDF:44.0/46
Out: 0.052+/-0.061 χ²/NDF:66.2/51
All: -0.011+/-0.046 χ²/NDF: 112.7/98



Right In: 267.354+/-0.055 χ^2/NDF: 1718549.1/23

Left Out: 633.674+/-0.114 χ^2/NDF:4994105.8/23

Right Out: 226.197+/-0.047 χ^2/NDF: 3205006.6/27

Left In: 623.916+/-0.112 χ^2/NDF:4541431.8/22

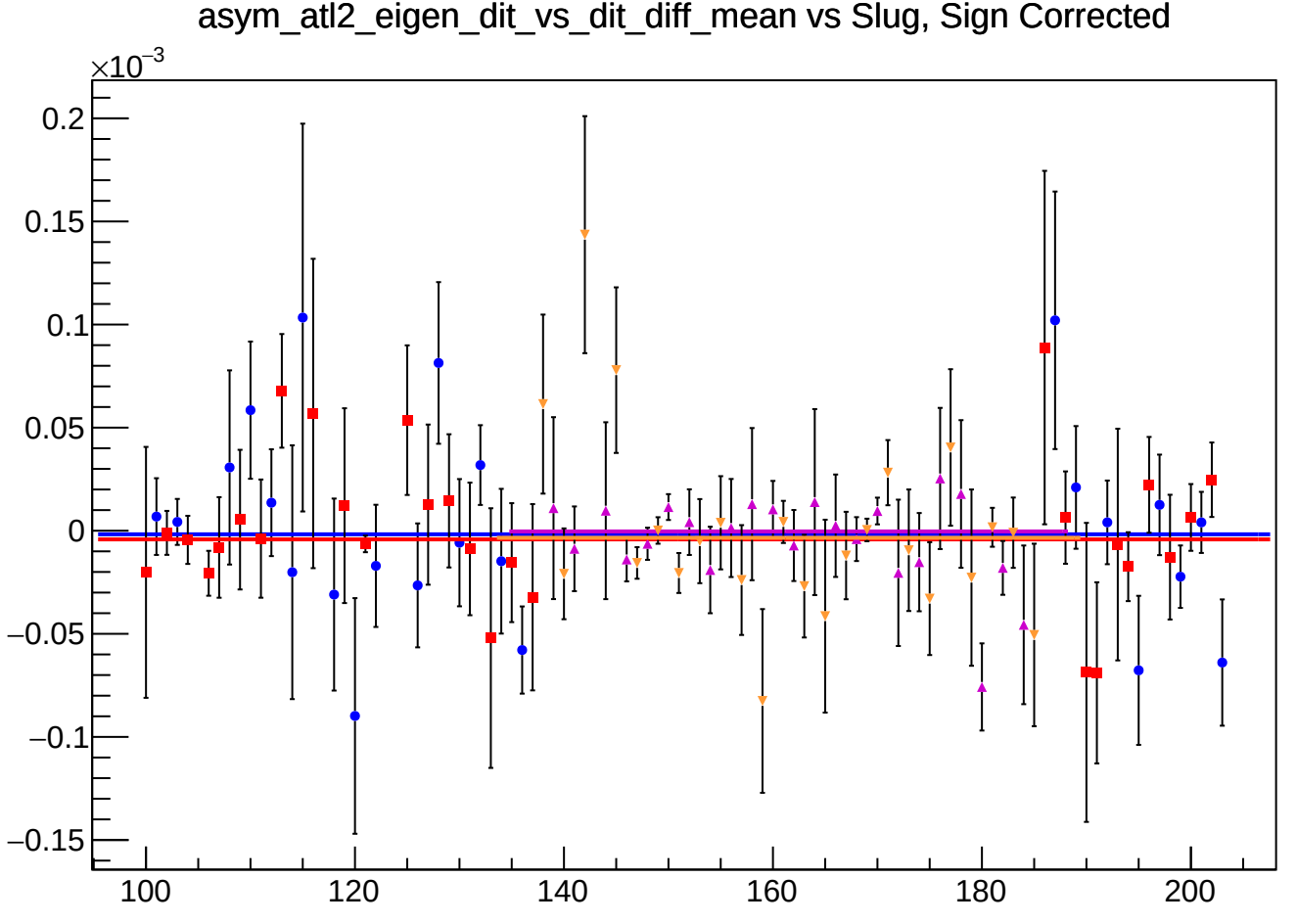
Left: 628.697+/-0.080 χ^2/NDF: 9539265.1/46

Right: 243.408+/-0.036 χ^2/NDF: 5244849.4/51

In: 337.541+/-0.050 χ^2/NDF:14418734.9/46

Out: 285.166+/-0.043 χ^2/NDF:19097686.1/51

All: 307.874+/-0.033 χ^2/NDF: 34147125.3/98



Right In: -0.000+/-0.000 χ^2/NDF: 37.6/23

Left Out: -0.000+/-0.000 χ^2/NDF:34.3/23

Right Out: -0.000+/-0.000 χ^2/NDF: 24.0/27

Left In: -0.000+/-0.000 χ^2/NDF:27.9/22

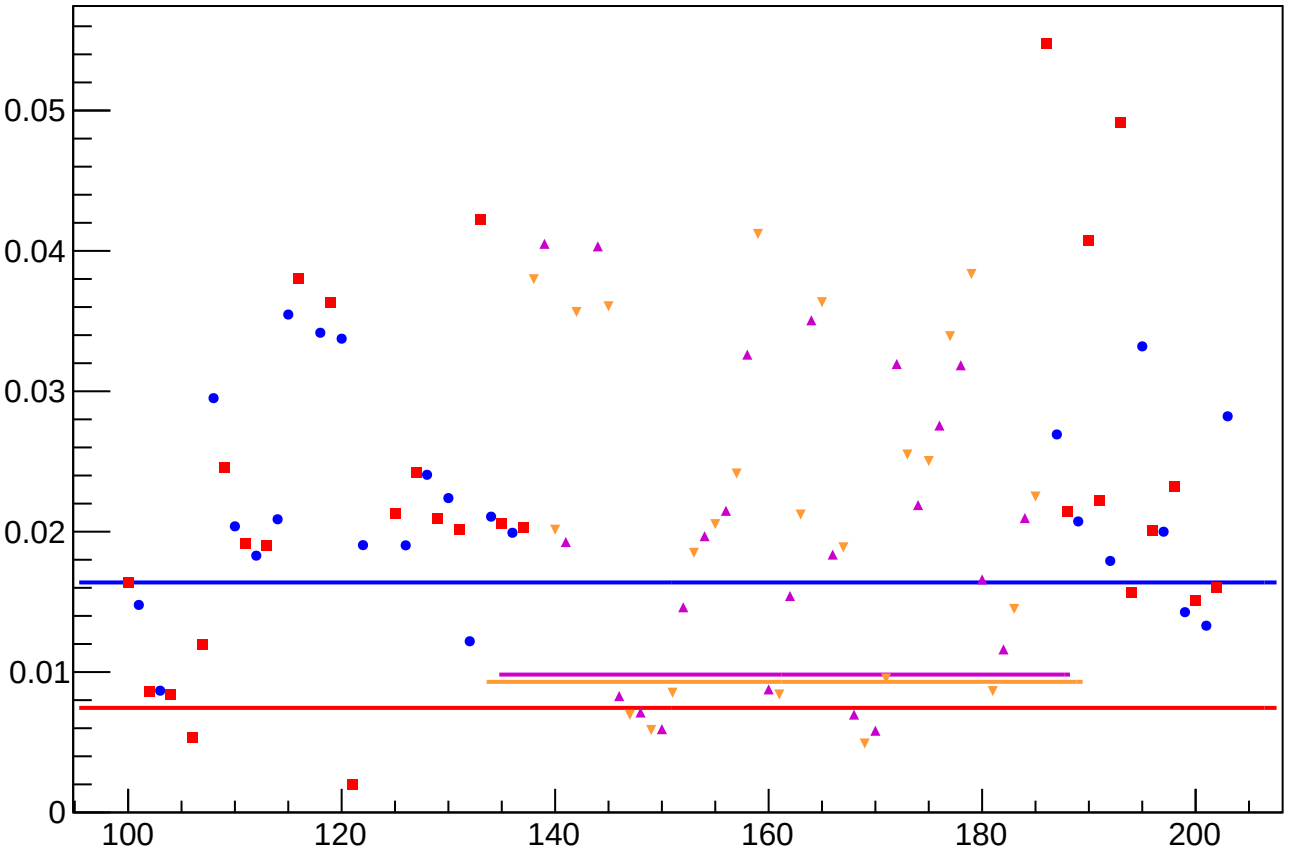
Left: -0.000+/-0.000 χ^2/NDF: 62.8/46

Right: -0.000+/-0.000 χ^2/NDF: 61.8/51

In: -0.000+/-0.000 χ^2/NDF:65.6/46

Out: -0.000+/-0.000 χ^2/NDF:58.3/51

All: -0.000+/-0.000 χ^2/NDF: 124.8/98



Right In: 0.016+/-0.000 χ^2/NDF: 3118258.3/23

Left Out: 0.009+/-0.000 χ^2/NDF:12224529.3/23

Right Out: 0.007+/-0.000 χ^2/NDF: 14329281.3/27

Left In: 0.010+/-0.000 χ^2/NDF:10307261.6/22

Left: 0.010+/-0.000 χ^2/NDF: 22565208.8/46

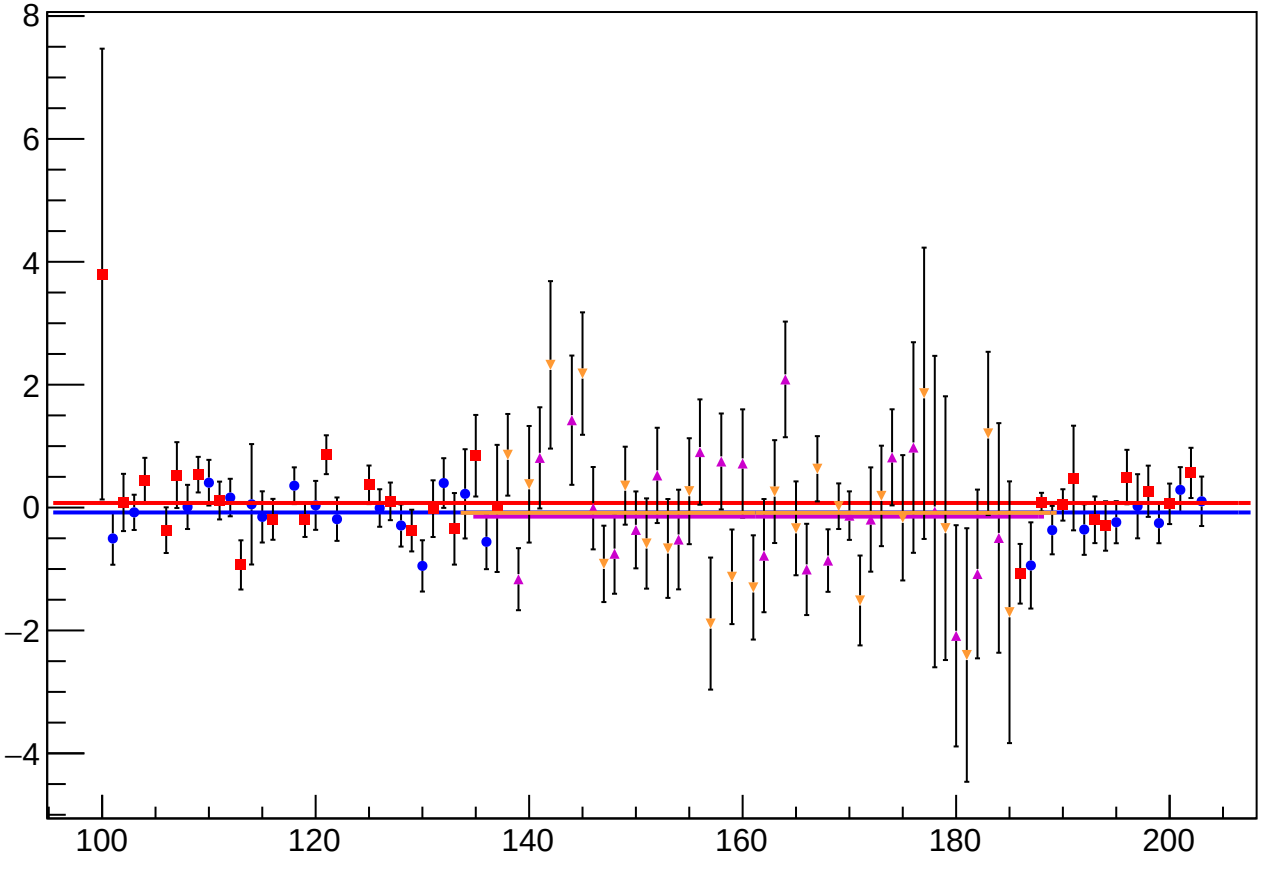
Right: 0.010+/-0.000 χ^2/NDF: 22251732.0/51

In: 0.011+/-0.000 χ^2/NDF:16046726.1/46

Out: 0.008+/-0.000 χ^2/NDF:26975186.6/51

All: 0.010+/-0.000 χ^2/NDF: 44829128.3/98

asym_atl2_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.080+/-0.078 χ^2/NDF: 17.5/23

Left Out: -0.085+/-0.161 χ^2/NDF:30.2/23

Right Out: 0.075+/-0.066 χ^2/NDF: 35.1/27

Left In: -0.147+/-0.158 χ^2/NDF:26.4/22

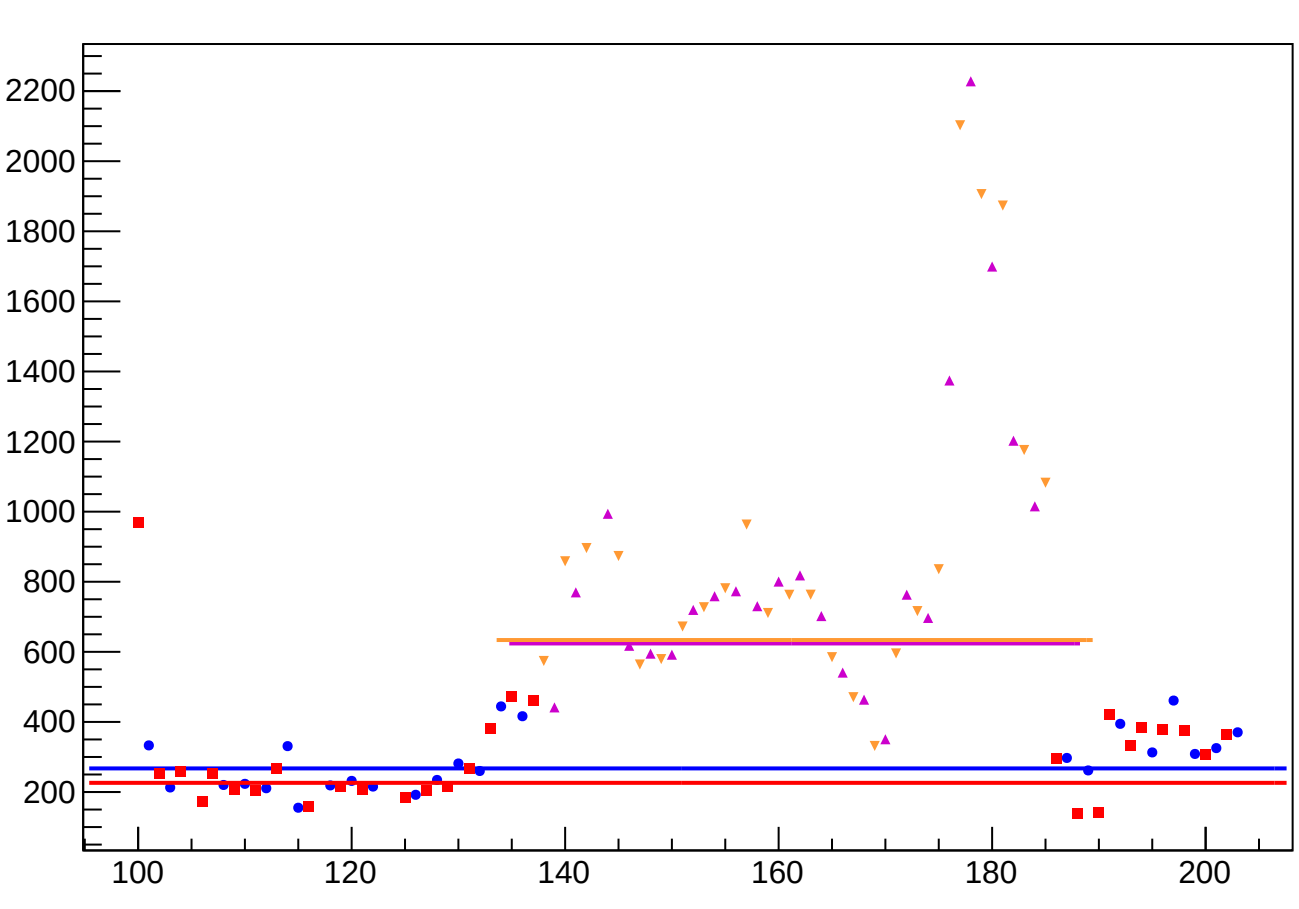
Left: -0.117+/-0.113 χ^2/NDF: 56.8/46

Right: 0.010+/-0.051 χ^2/NDF: 54.9/51

In: -0.093+/-0.070 χ^2/NDF:44.0/46

Out: 0.052+/-0.061 χ^2/NDF:66.2/51

All: -0.011+/-0.046 χ^2/NDF: 112.7/98



Right In: 267.355+/-0.055 χ^2/NDF: 1718533.1/23

Left Out: 633.678+/-0.114 χ^2/NDF:4994172.5/23

Right Out: 226.194+/-0.047 χ^2/NDF: 3205127.0/27

Left In: 623.922+/-0.112 χ^2/NDF:4541413.9/22

Left: 628.702+/-0.080 χ^2/NDF: 9539311.9/46

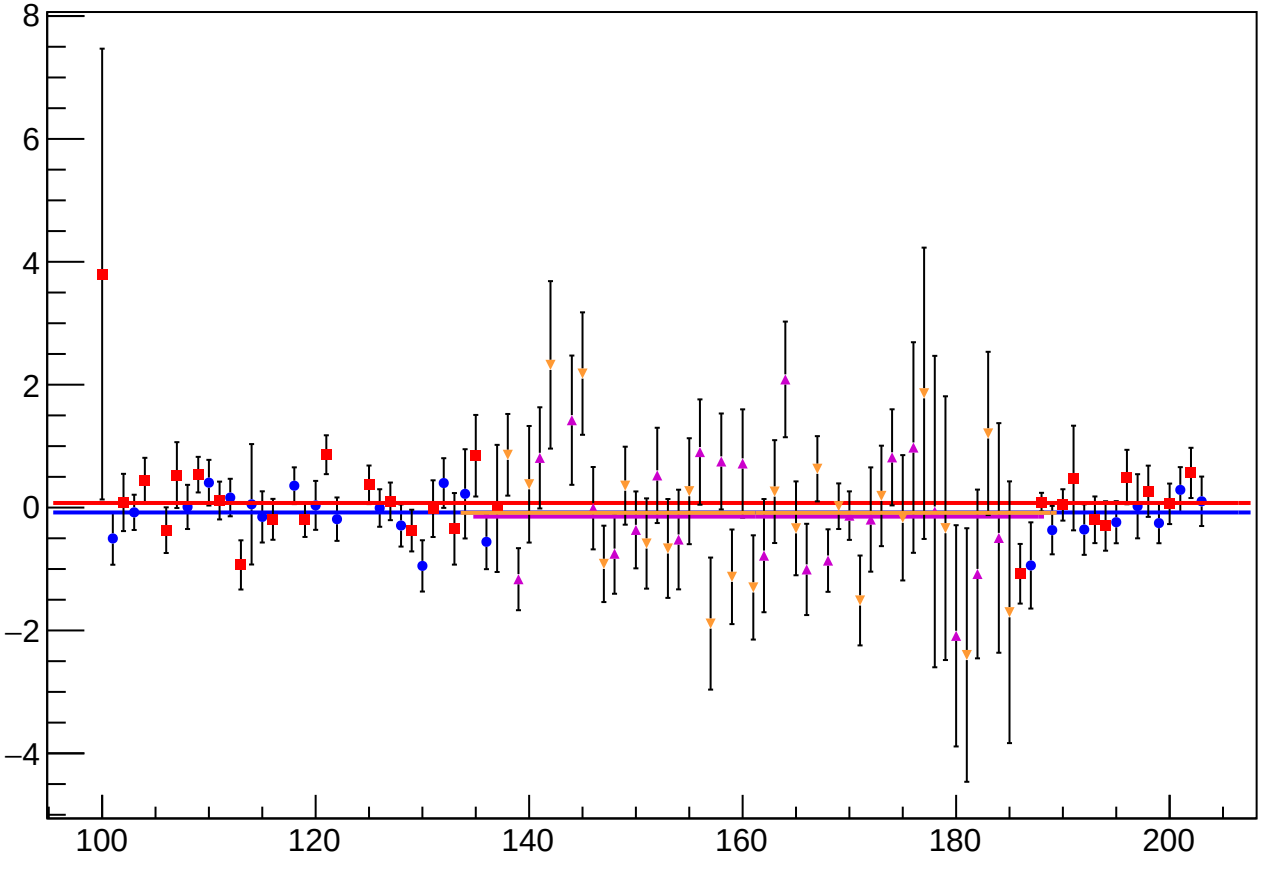
Right: 243.407+/-0.036 χ^2/NDF: 5245008.7/51

In: 337.542+/-0.050 χ^2/NDF:14418796.8/46

Out: 285.163+/-0.043 χ^2/NDF:19098098.6/51

All: 307.873+/-0.033 χ^2/NDF: 34147702.9/98

asym_atl2_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.080+/-0.078 χ^2/NDF: 17.5/23

Left Out: -0.085+/-0.161 χ^2/NDF:30.2/23

Right Out: 0.075+/-0.066 χ^2/NDF: 35.1/27

Left In: -0.147+/-0.158 χ^2/NDF:26.4/22

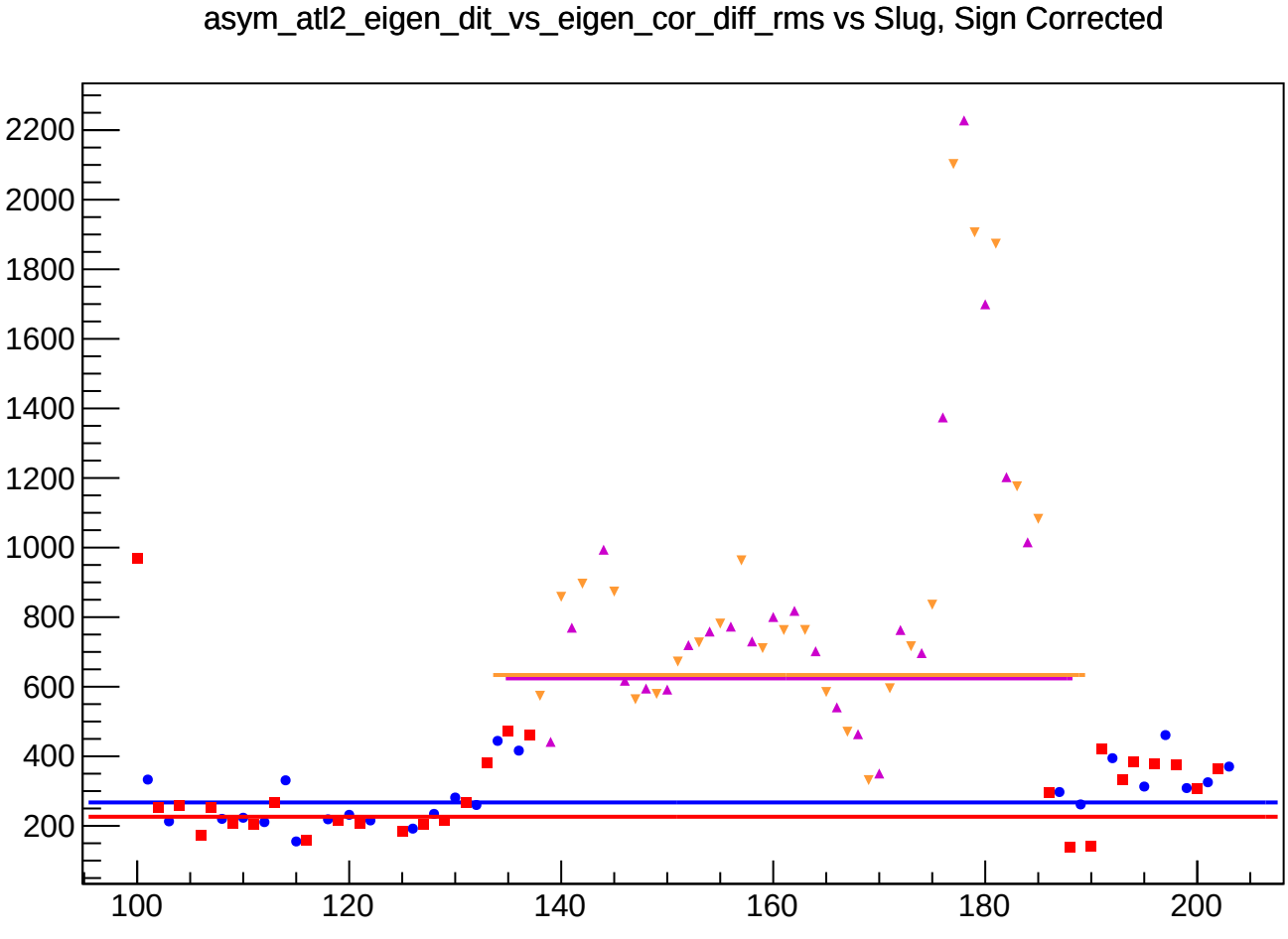
Left: -0.117+/-0.113 χ^2/NDF: 56.8/46

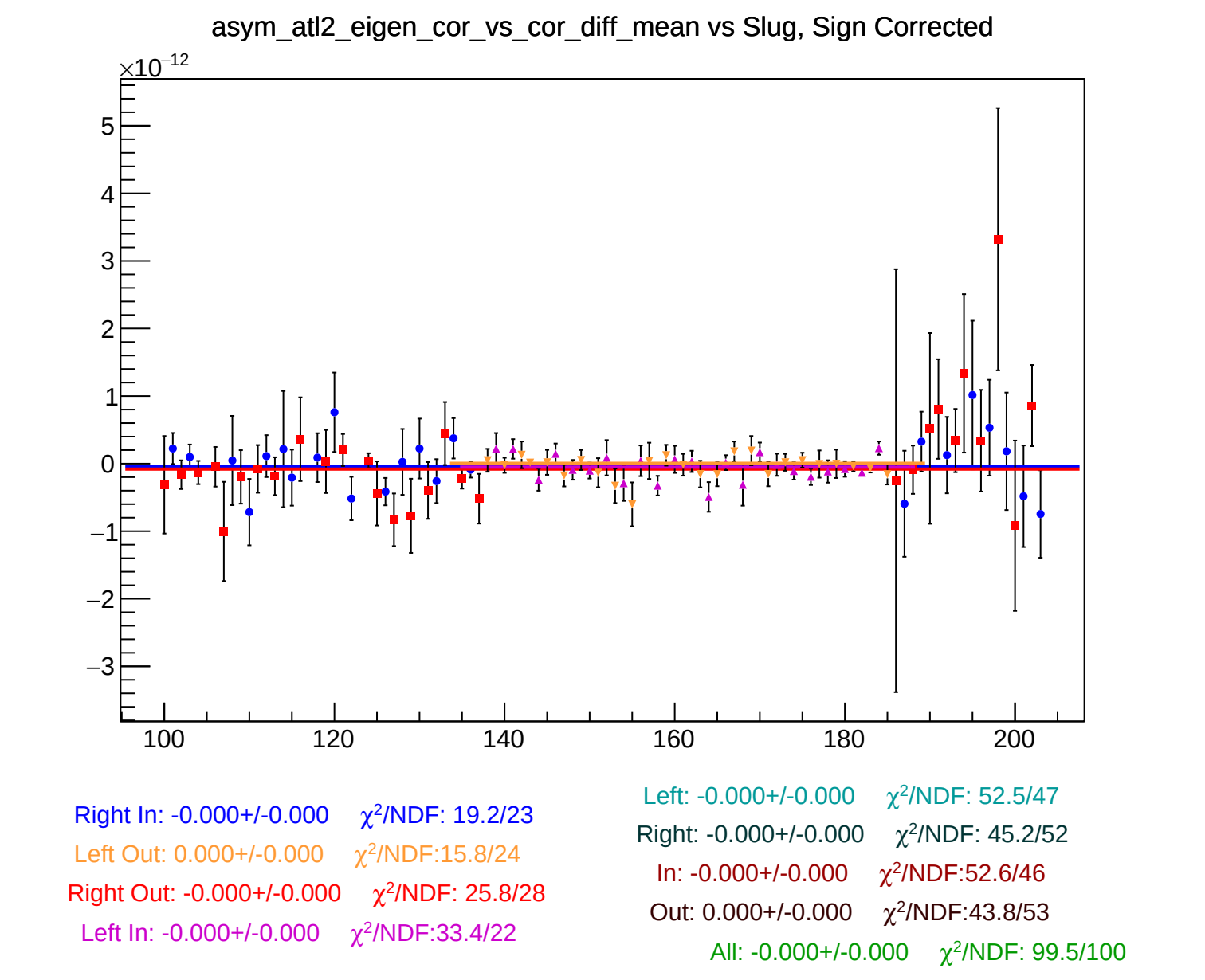
Right: 0.010+/-0.051 χ^2/NDF: 54.9/51

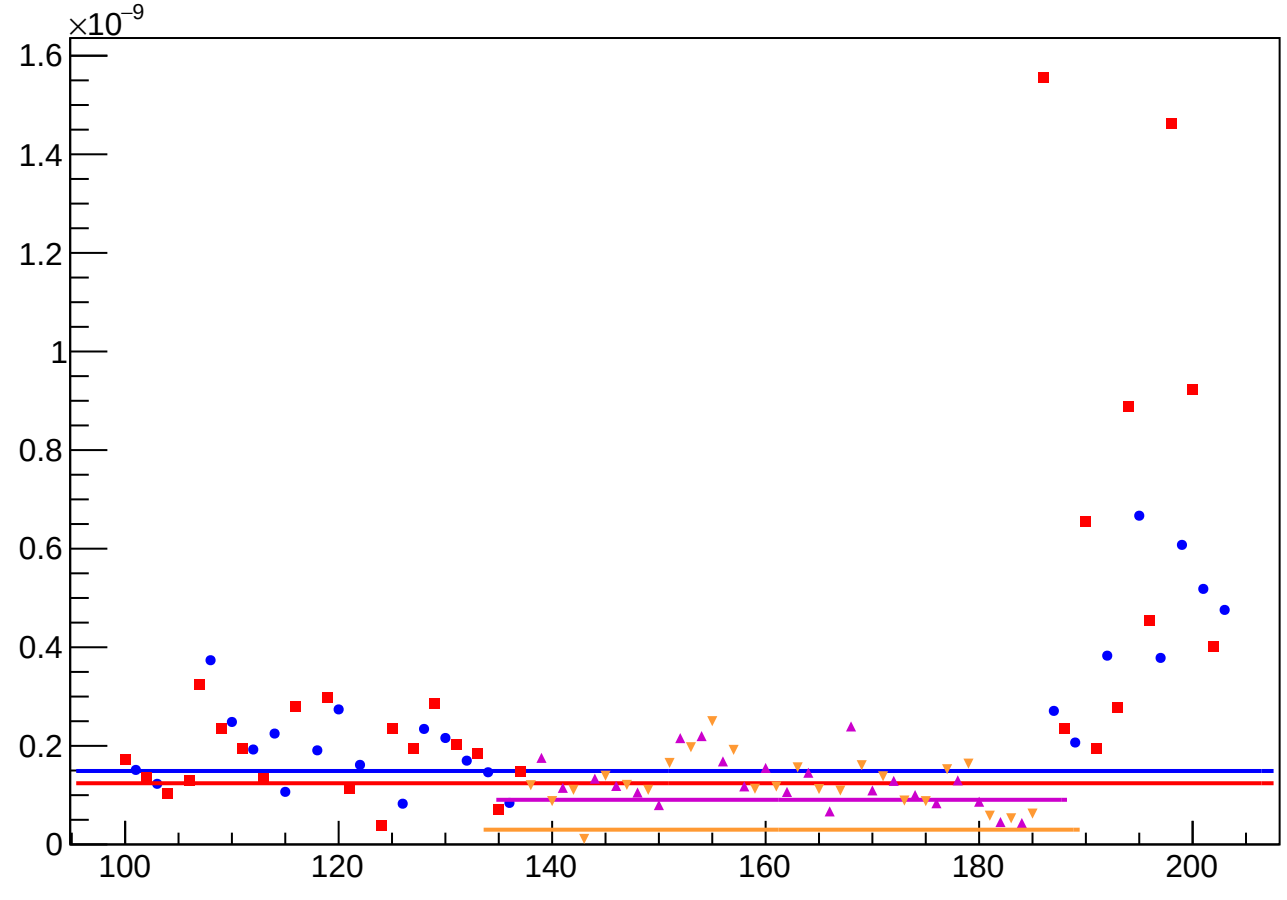
In: -0.093+/-0.070 χ^2/NDF:44.0/46

Out: 0.052+/-0.061 χ^2/NDF:66.2/51

All: -0.011+/-0.046 χ^2/NDF: 112.7/98


asym_atl2_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected
2200
2000
1800
1600
1400
1200
1000
800
600
400
200
100
120
140
160
180
200
Right In: 267.355+/-0.055 χ²/NDF: 1718533.1/23
Left Out: 633.678+/-0.114 χ²/NDF:4994172.5/23
Right Out: 226.194+/-0.047 χ²/NDF: 3205127.0/27
Left In: 623.922+/-0.112 χ²/NDF:4541413.9/22
Left: 628.702+/-0.080 χ²/NDF: 9539311.9/46
Right: 243.407+/-0.036 χ²/NDF: 5245008.7/51
In: 337.542+/-0.050 χ²/NDF:14418796.8/46
Out: 285.163+/-0.043 χ²/NDF:19098098.6/51
All: 307.873+/-0.033 χ²/NDF: 34147702.9/98


asym_atl2_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
5
4
3
2
1
0
−1
−2
−3
100
120
140
160
180
200
Right In: -0.000+/-0.000 χ²/NDF: 19.2/23
Left Out: 0.000+/-0.000 χ²/NDF:15.8/24
Right Out: -0.000+/-0.000 χ²/NDF: 25.8/28
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: 45.2/52
In: -0.000+/-0.000 χ²/NDF:52.6/46
Out: 0.000+/-0.000 χ²/NDF:43.8/53
All: -0.000+/-0.000 χ²/NDF: 99.5/100



Right In: 0.000+/-0.000 χ^2/NDF: 4118076.6/23

Left Out: 0.000+/-0.000 χ^2/NDF:17263498.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 7371390.1/28

Left In: 0.000+/-0.000 χ^2/NDF:4716343.8/22

Left: 0.000+/-0.000 χ^2/NDF: 29587513.4/47

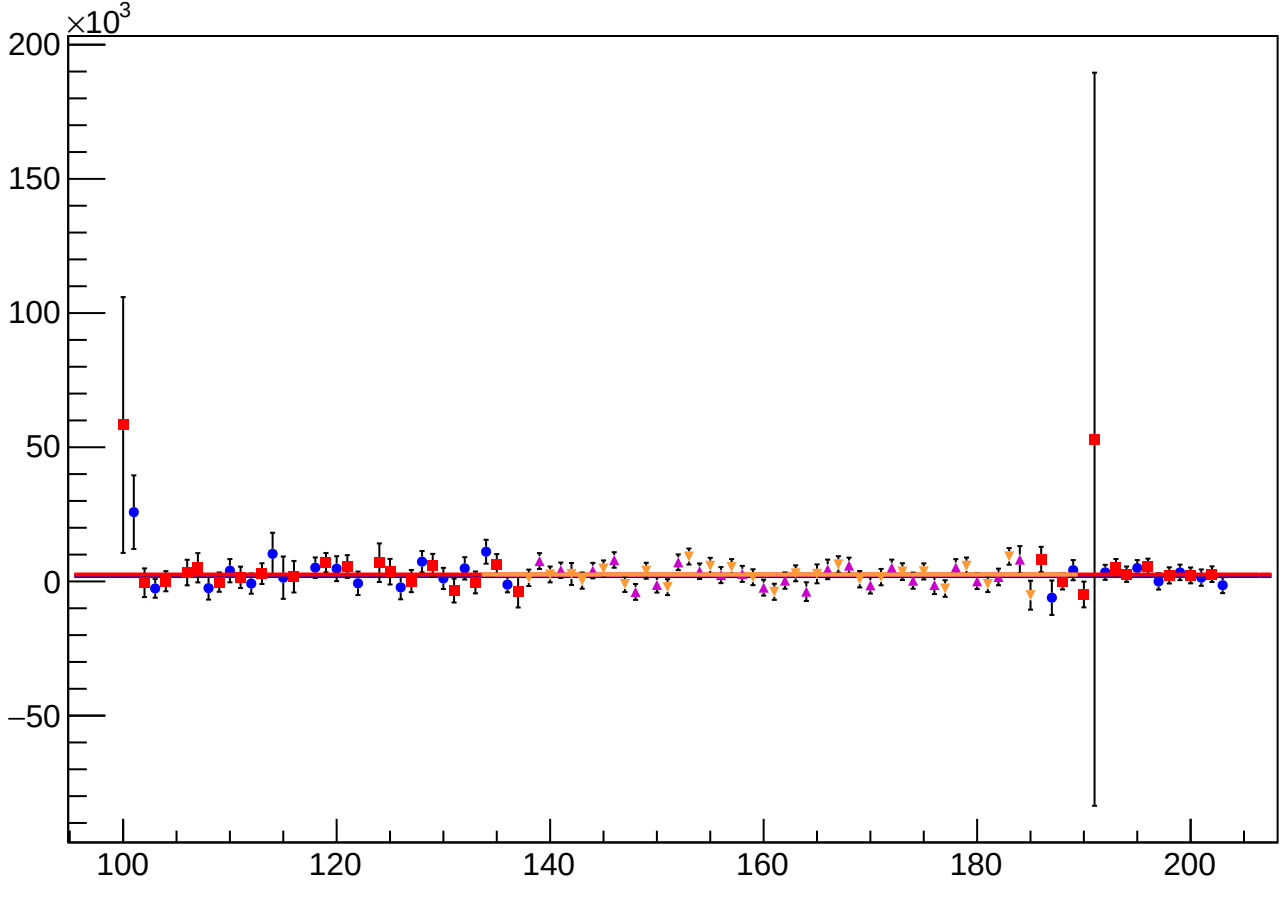
Right: 0.000+/-0.000 χ^2/NDF: 11655468.5/52

In: 0.000+/-0.000 χ^2/NDF:10204519.2/46

Out: 0.000+/-0.000 χ^2/NDF:29806330.9/53

All: 0.000+/-0.000 χ^2/NDF: 50044040.1/100

reg_asym_atr1_mean vs Slug, Sign Corrected



Right In: 2014.739+/-776.941 χ^2/NDF: 23.0/23

Left Out: 2556.827+/-621.829 χ^2/NDF:31.6/24

Right Out: 2582.813+/-743.634 χ^2/NDF: 17.1/28

Left In: 2408.320+/-639.726 χ^2/NDF:31.4/22

Left: 2484.680+/-445.893 χ^2/NDF: 63.0/47

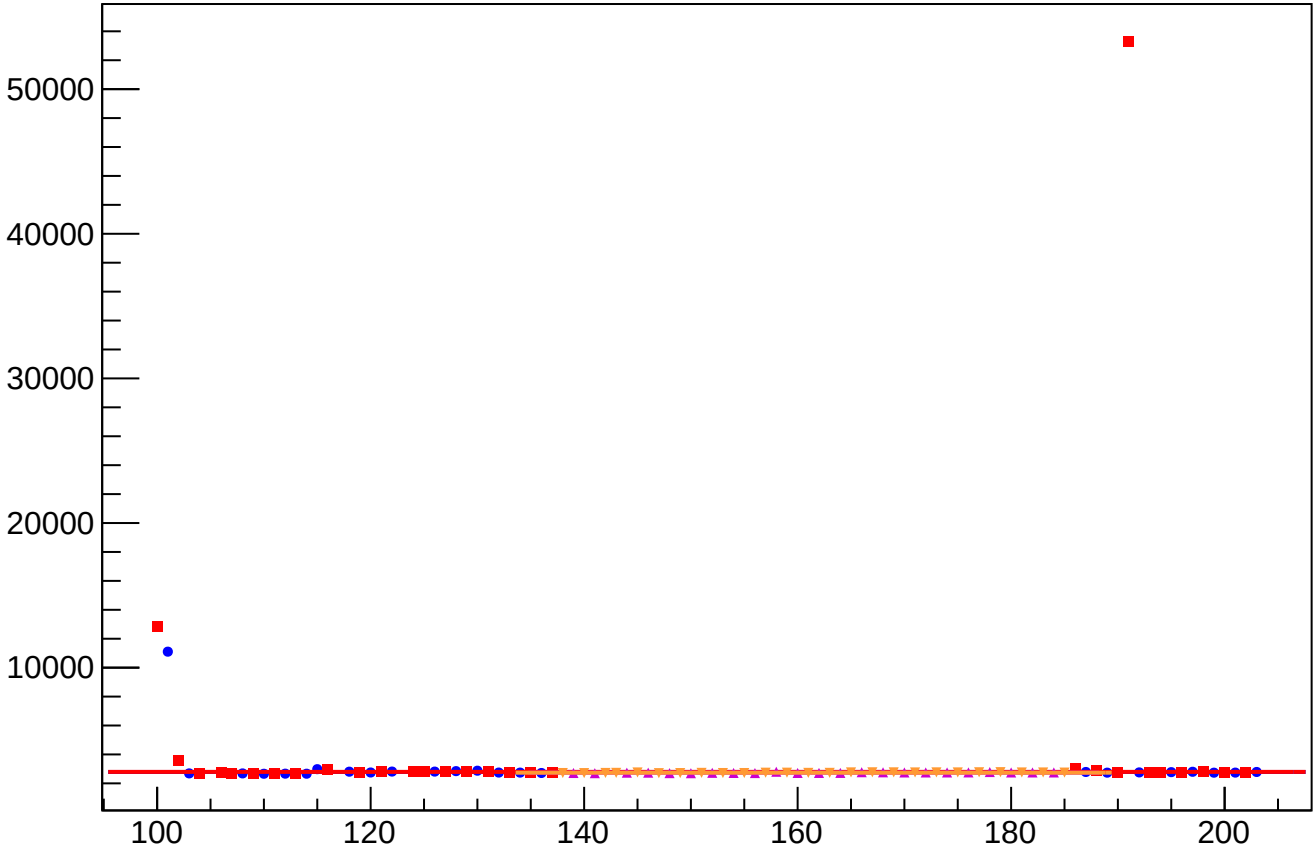
Right: 2311.213+/-537.217 χ^2/NDF: 40.4/52

In: 2249.296+/-493.858 χ^2/NDF:54.5/46

Out: 2567.520+/-477.028 χ^2/NDF:48.7/53

All: 2413.923+/-343.105 χ^2/NDF: 103.4/100

reg_asym_atr1_rms vs Slug, Sign Corrected



Right In: 2786.333+/-0.549 χ^2/NDF: 748395.7/23

Left Out: 2737.519+/-0.440 χ^2/NDF:2317.5/24

Right Out: 2793.070+/-0.526 χ^2/NDF: 479212.8/28

Left In: 2739.863+/-0.452 χ^2/NDF:3362.0/22

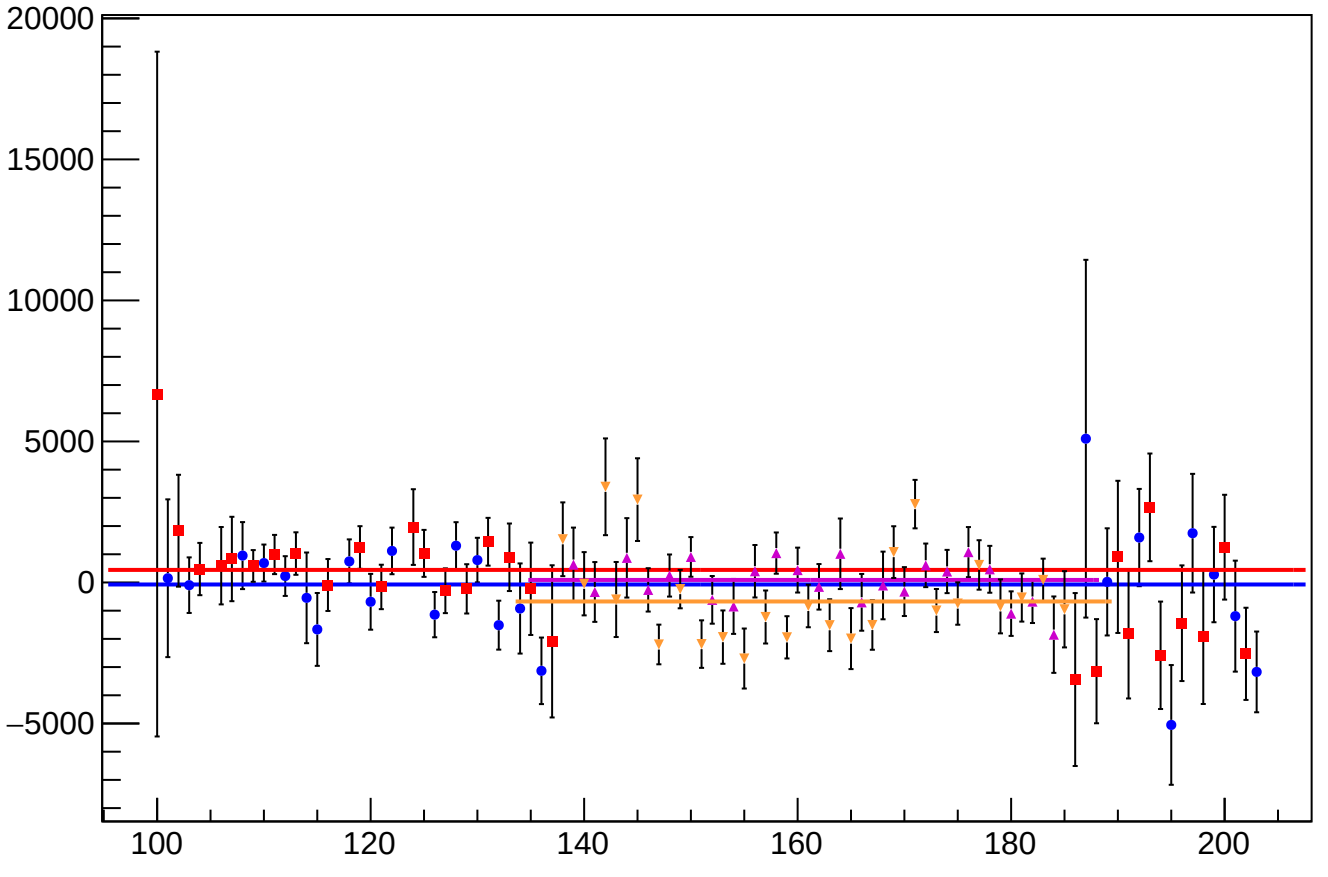
Left: 2738.658+/-0.315 χ^2/NDF: 5693.3/47

Right: 2789.849+/-0.380 χ^2/NDF: 1227687.0/52

In: 2758.639+/-0.349 χ^2/NDF:756021.7/46

Out: 2760.378+/-0.337 χ^2/NDF:488098.5/53

All: 2759.539+/-0.243 χ^2/NDF: 1244133.1/10



Right In: -71.520+/-220.723 χ^2/NDF: 35.8/23

Left Out: -673.693+/-181.230 χ^2/NDF:58.4/24

Right Out: 445.341+/-204.978 χ^2/NDF: 25.6/28

Left In: 89.519+/-183.491 χ^2/NDF:14.8/22

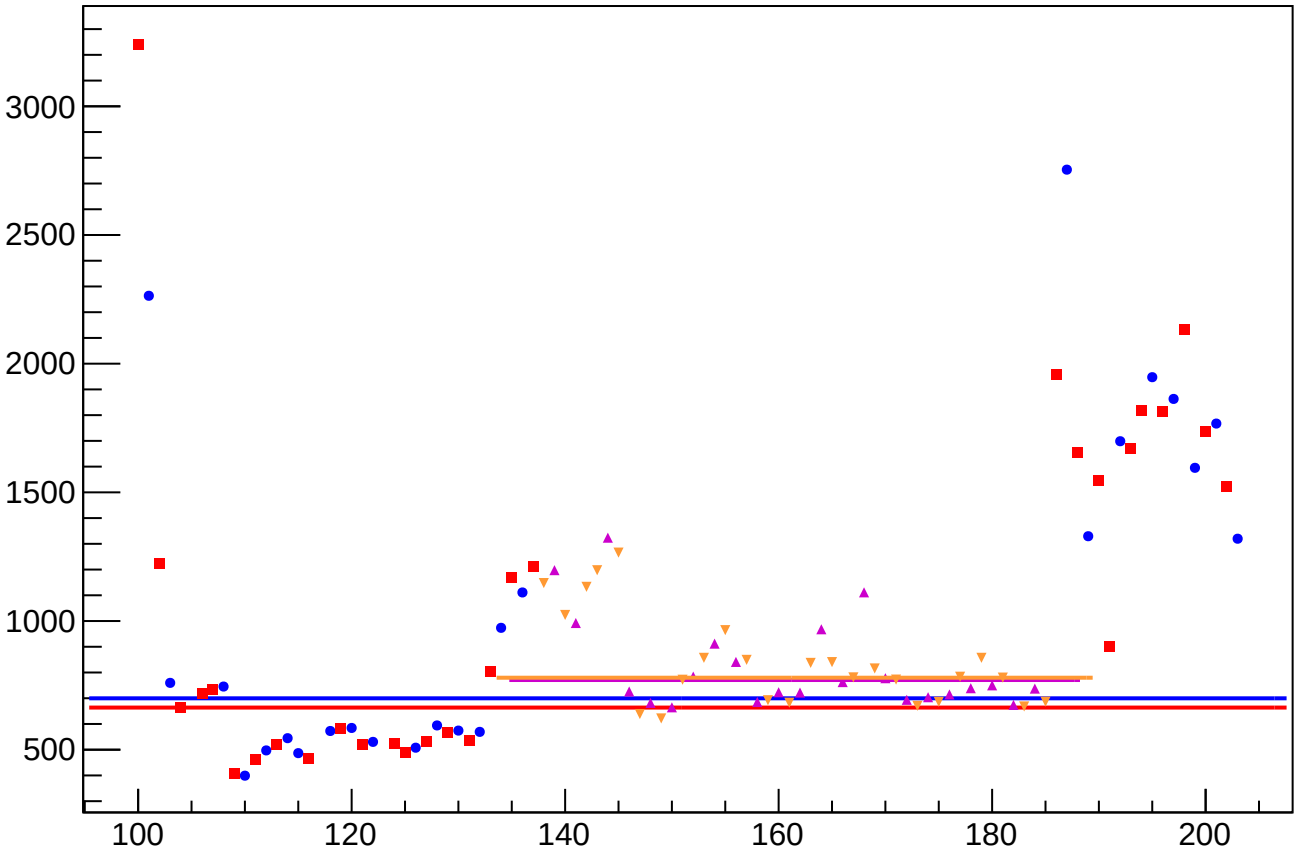
Left: -296.818+/-128.941 χ^2/NDF: 81.9/47

Right: 206.000+/-150.199 χ^2/NDF: 64.3/52

In: 23.708+/-141.101 χ^2/NDF:50.9/46

Out: -182.726+/-135.773 χ^2/NDF:100.7/53

All: -83.481+/-97.835 χ^2/NDF: 152.7/100



Right In: 699.690+/-0.156 χ^2/NDF: 5929668.0/23

Left Out: 779.715+/-0.128 χ^2/NDF:1243743.5/24

Right Out: 663.711+/-0.145 χ^2/NDF: 6697021.4/28

Left In: 770.795+/-0.130 χ^2/NDF:1076354.9/22

Left: 775.310+/-0.091 χ^2/NDF: 2322491.0/47

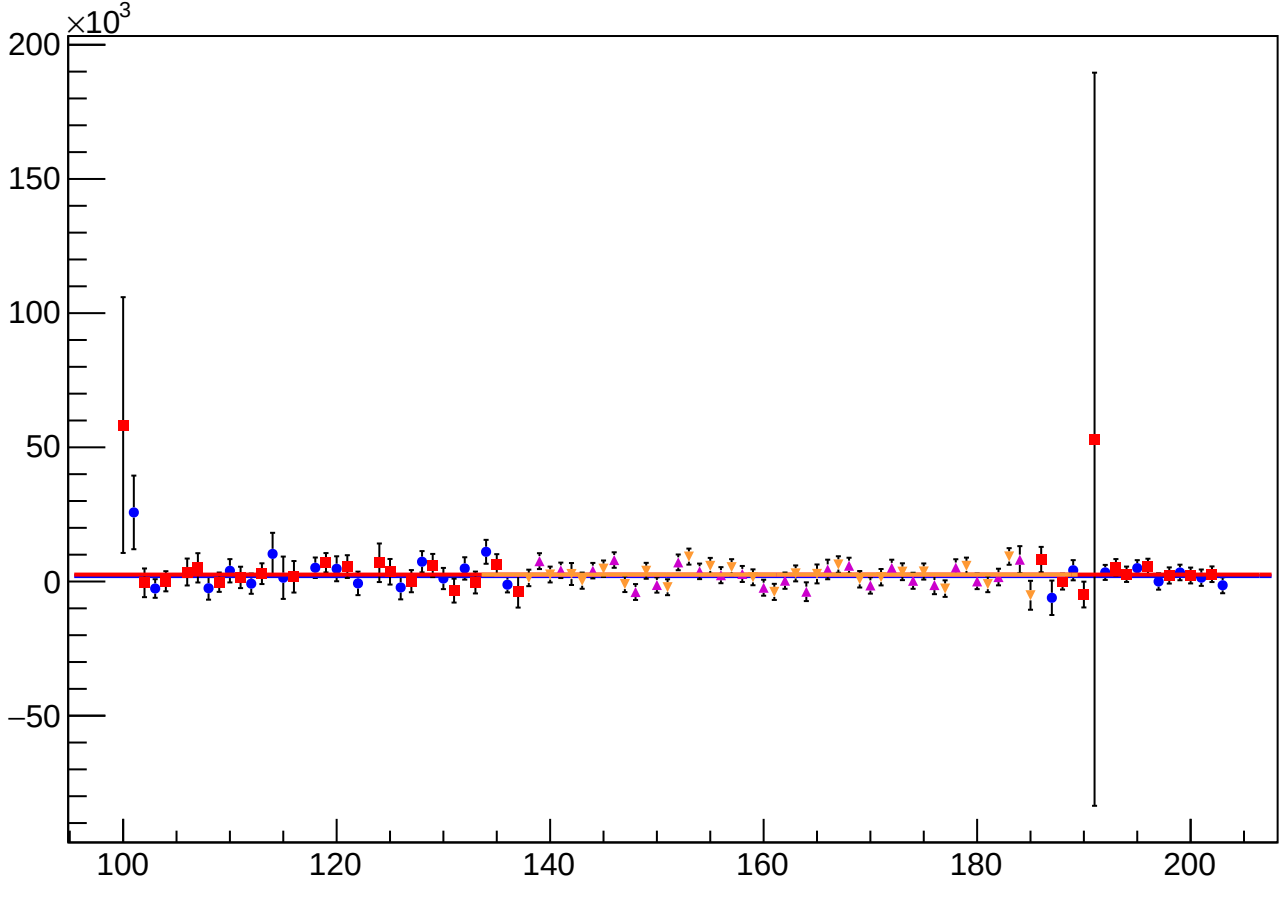
Right: 680.372+/-0.106 χ^2/NDF: 12655223.0/52

In: 741.737+/-0.100 χ^2/NDF:7128757.2/46

Out: 728.819+/-0.096 χ^2/NDF:8300284.2/53

All: 735.029+/-0.069 χ^2/NDF: 15437744.8/10

cor_asym_atr1_mean vs Slug, Sign Corrected



Right In: 2014.417+/-776.941 χ^2/NDF: 23.0/23

Left Out: 2556.787+/-621.829 χ^2/NDF:31.6/24

Right Out: 2586.235+/-744.515 χ^2/NDF: 17.1/28

Left In: 2408.461+/-639.726 χ^2/NDF:31.4/22

Left: 2484.728+/-445.893 χ^2/NDF: 63.0/47

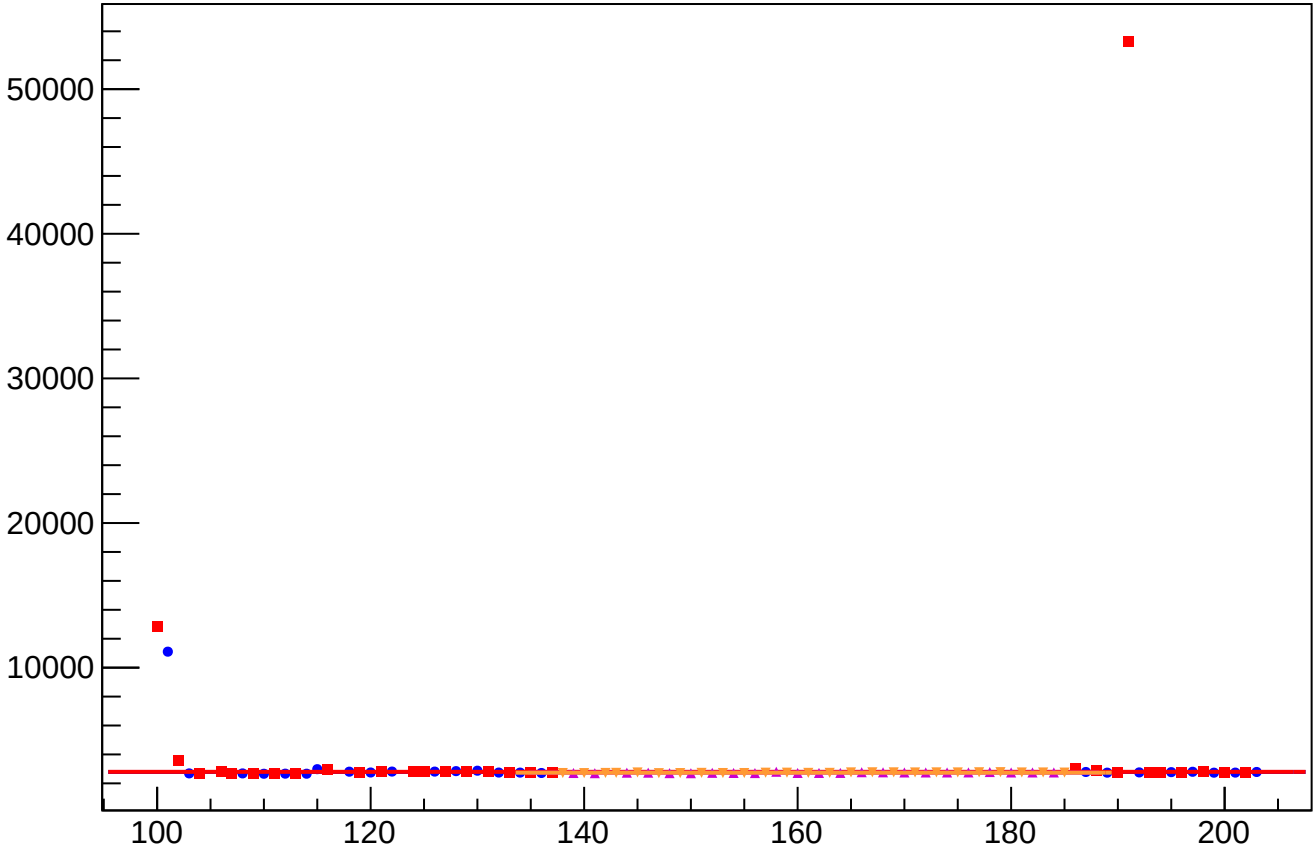
Right: 2312.507+/-537.550 χ^2/NDF: 40.4/52

In: 2249.251+/-493.858 χ^2/NDF:54.5/46

Out: 2568.888+/-477.261 χ^2/NDF:48.7/53

All: 2414.530+/-343.192 χ^2/NDF: 103.4/100

cor_asym_atr1_rms vs Slug, Sign Corrected



Right In: 2786.333+/-0.549 χ^2/NDF: 748394.8/23

Left Out: 2737.519+/-0.440 χ^2/NDF:2317.5/24

Right Out: 2795.826+/-0.526 χ^2/NDF: 478899.9/28

Left In: 2739.863+/-0.452 χ^2/NDF:3362.0/22

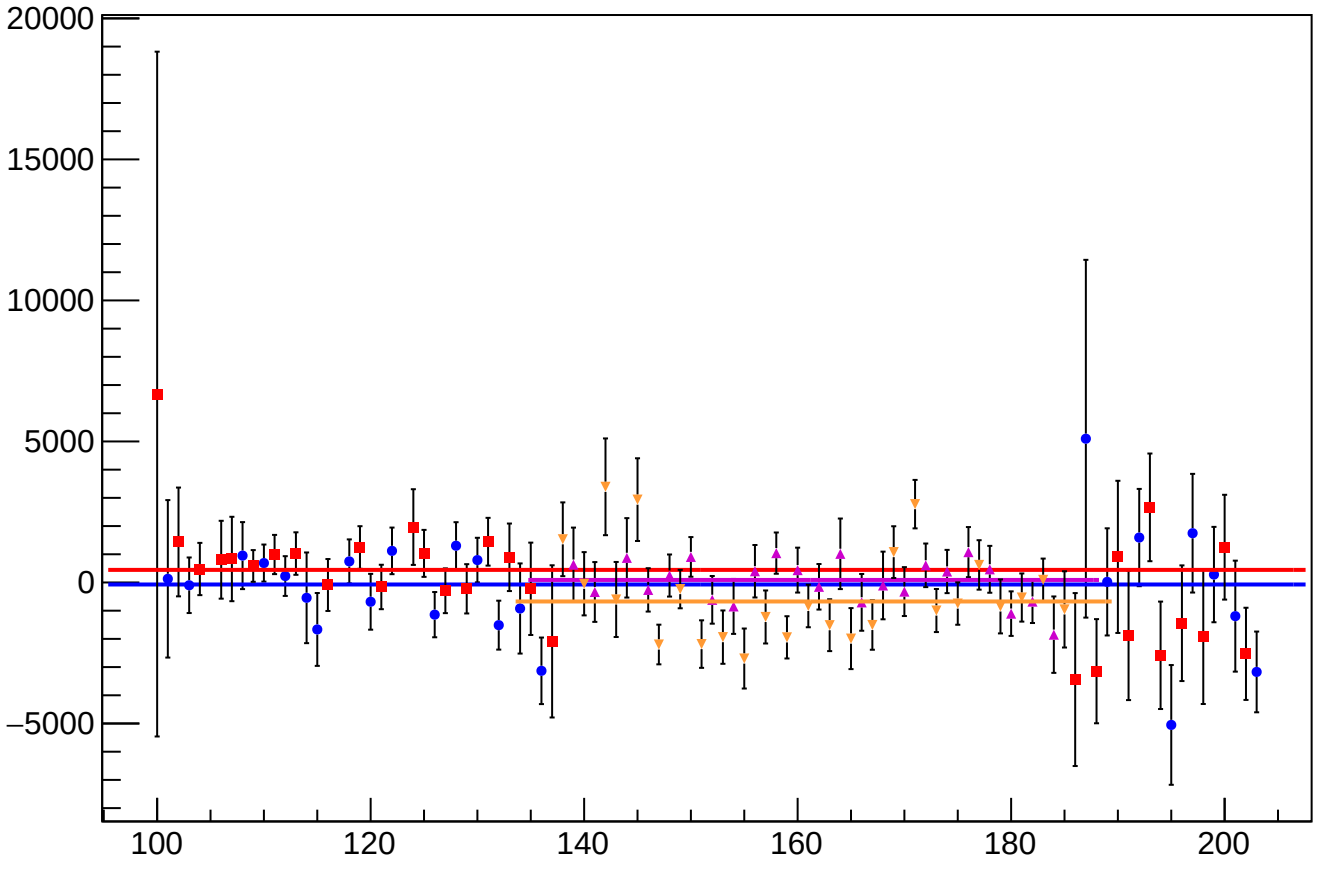
Left: 2738.658+/-0.315 χ^2/NDF: 5693.3/47

Right: 2791.282+/-0.380 χ^2/NDF: 1227450.4/52

In: 2758.639+/-0.349 χ^2/NDF:756020.8/46

Out: 2761.479+/-0.337 χ^2/NDF:488443.5/53

All: 2760.107+/-0.243 χ^2/NDF: 1244498.5/10



Right In: -71.550+/-220.713 χ^2/NDF: 35.8/23

Left Out: -673.608+/-181.230 χ^2/NDF:58.4/24

Right Out: 446.169+/-204.945 χ^2/NDF: 25.4/28

Left In: 89.643+/-183.492 χ^2/NDF:14.8/22

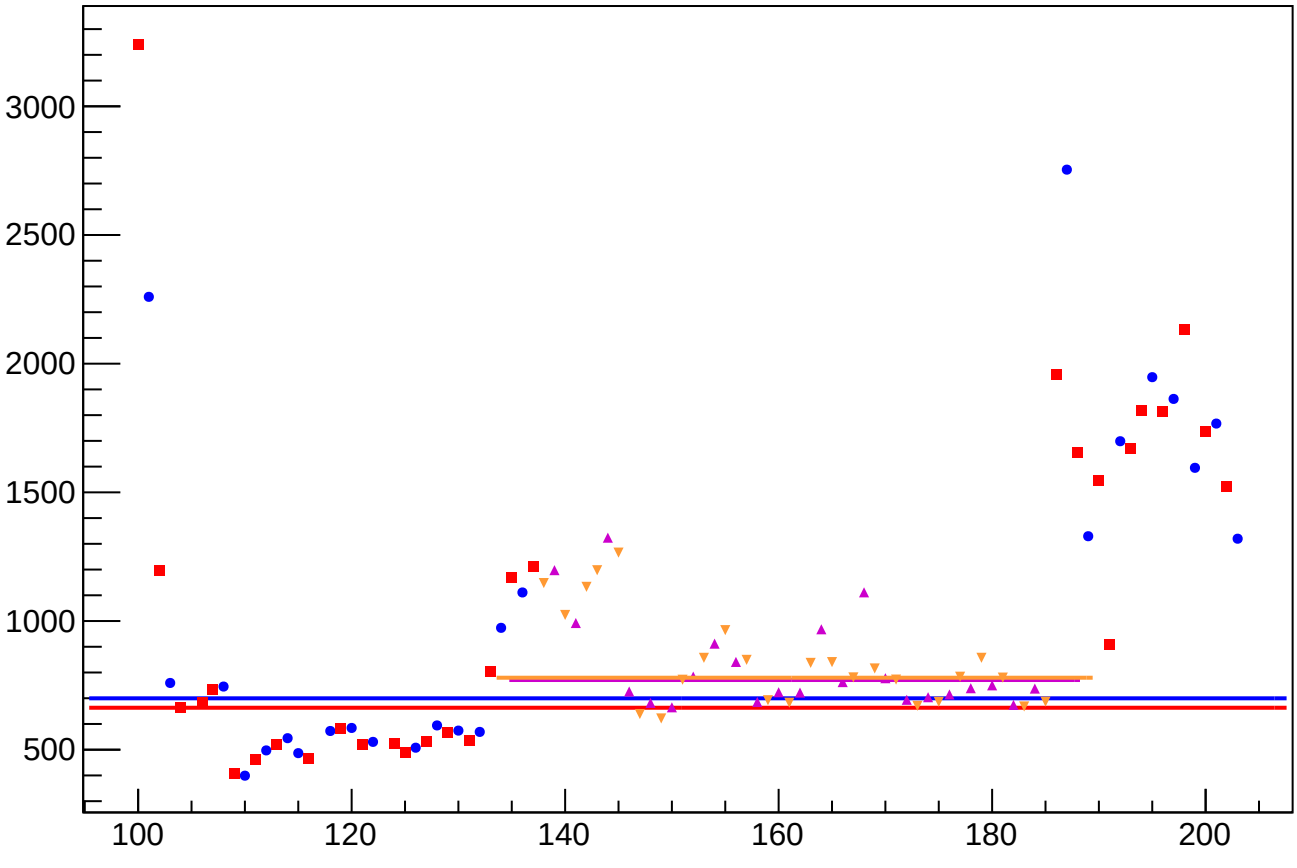
Left: -296.716+/-128.941 χ^2/NDF: 81.9/47

Right: 206.462+/-150.183 χ^2/NDF: 64.2/52

In: 23.765+/-141.099 χ^2/NDF:50.9/46

Out: -182.226+/-135.763 χ^2/NDF:100.6/53

All: -83.199+/-97.831 χ^2/NDF: 152.6/100



Right In: 699.679+/-0.156 χ^2/NDF: 5928763.7/23

Left Out: 779.713+/-0.128 χ^2/NDF:1243769.6/24

Right Out: 663.036+/-0.145 χ^2/NDF: 6690168.8/28

Left In: 770.799+/-0.130 χ^2/NDF:1076291.1/22

Left: 775.311+/-0.091 χ^2/NDF: 2322450.1/47

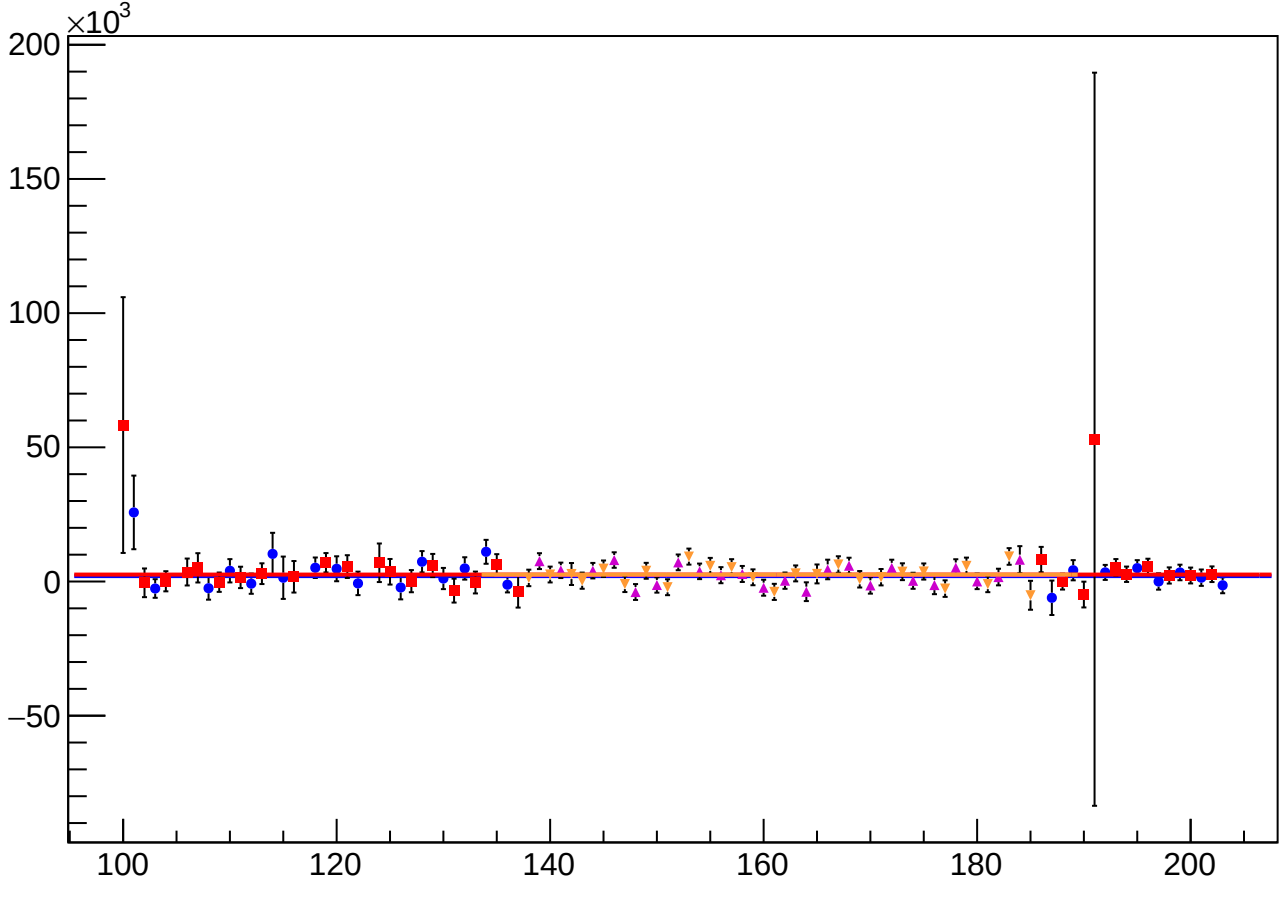
Right: 680.002+/-0.106 χ^2/NDF: 12648533.9/52

In: 741.733+/-0.100 χ^2/NDF:7127847.5/46

Out: 728.513+/-0.096 χ^2/NDF:8297706.6/53

All: 734.868+/-0.069 χ^2/NDF: 15434670.6/10

eigen_cor_asym_atr1_mean vs Slug, Sign Corrected



Right In: 2014.417+/-776.941 χ^2/NDF: 23.0/23

Left Out: 2556.787+/-621.829 χ^2/NDF:31.6/24

Right Out: 2586.235+/-744.515 χ^2/NDF: 17.1/28

Left In: 2408.461+/-639.726 χ^2/NDF:31.4/22

Left: 2484.728+/-445.893 χ^2/NDF: 63.0/47

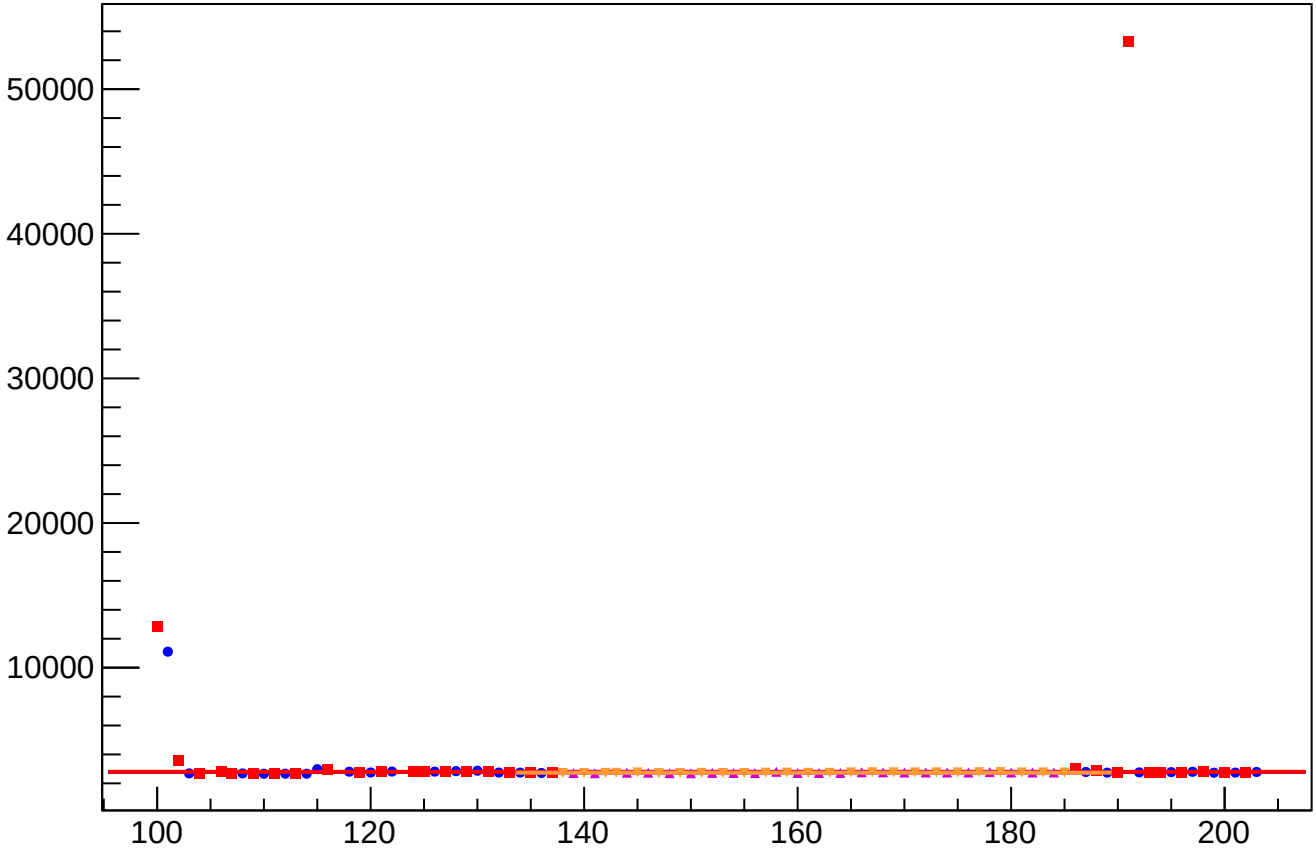
Right: 2312.507+/-537.550 χ^2/NDF: 40.4/52

In: 2249.251+/-493.858 χ^2/NDF:54.5/46

Out: 2568.888+/-477.261 χ^2/NDF:48.7/53

All: 2414.530+/-343.192 χ^2/NDF: 103.4/100

eigen_cor_asym_atr1_rms vs Slug, Sign Corrected



Right In: 2786.333+/-0.549 χ^2/NDF: 748394.8/23

Left Out: 2737.519+/-0.440 χ^2/NDF:2317.5/24

Right Out: 2795.826+/-0.526 χ^2/NDF: 478899.9/28

Left In: 2739.863+/-0.452 χ^2/NDF:3362.0/22

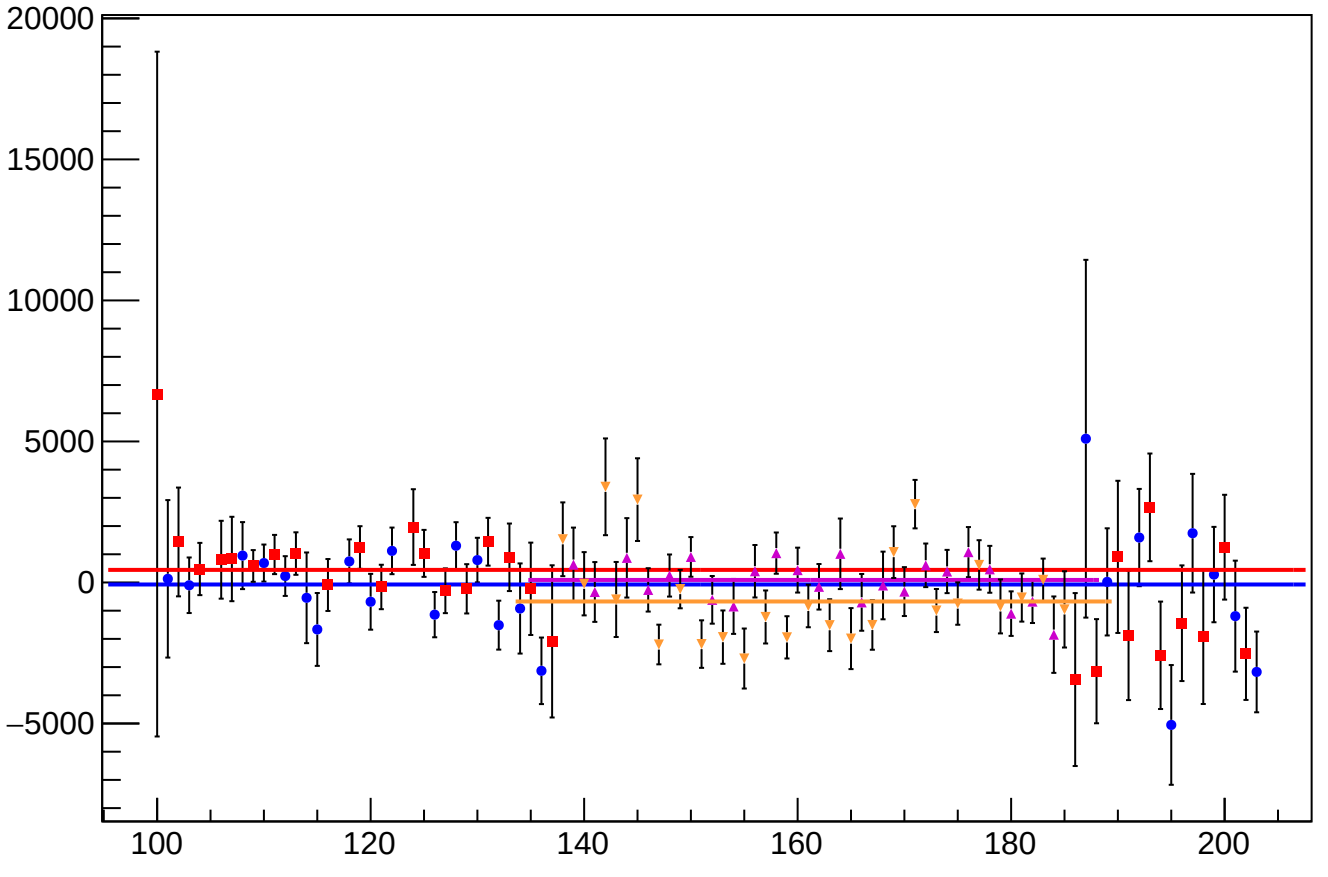
Left: 2738.658+/-0.315 χ^2/NDF: 5693.3/47

Right: 2791.282+/-0.380 χ^2/NDF: 1227450.4/52

In: 2758.639+/-0.349 χ^2/NDF:756020.8/46

Out: 2761.479+/-0.337 χ^2/NDF:488443.5/53

All: 2760.107+/-0.243 χ^2/NDF: 1244498.5/10



Right In: -71.550+/-220.713 χ^2/NDF: 35.8/23

Left Out: -673.608+/-181.230 χ^2/NDF:58.4/24

Right Out: 446.169+/-204.945 χ^2/NDF: 25.4/28

Left In: 89.643+/-183.492 χ^2/NDF:14.8/22

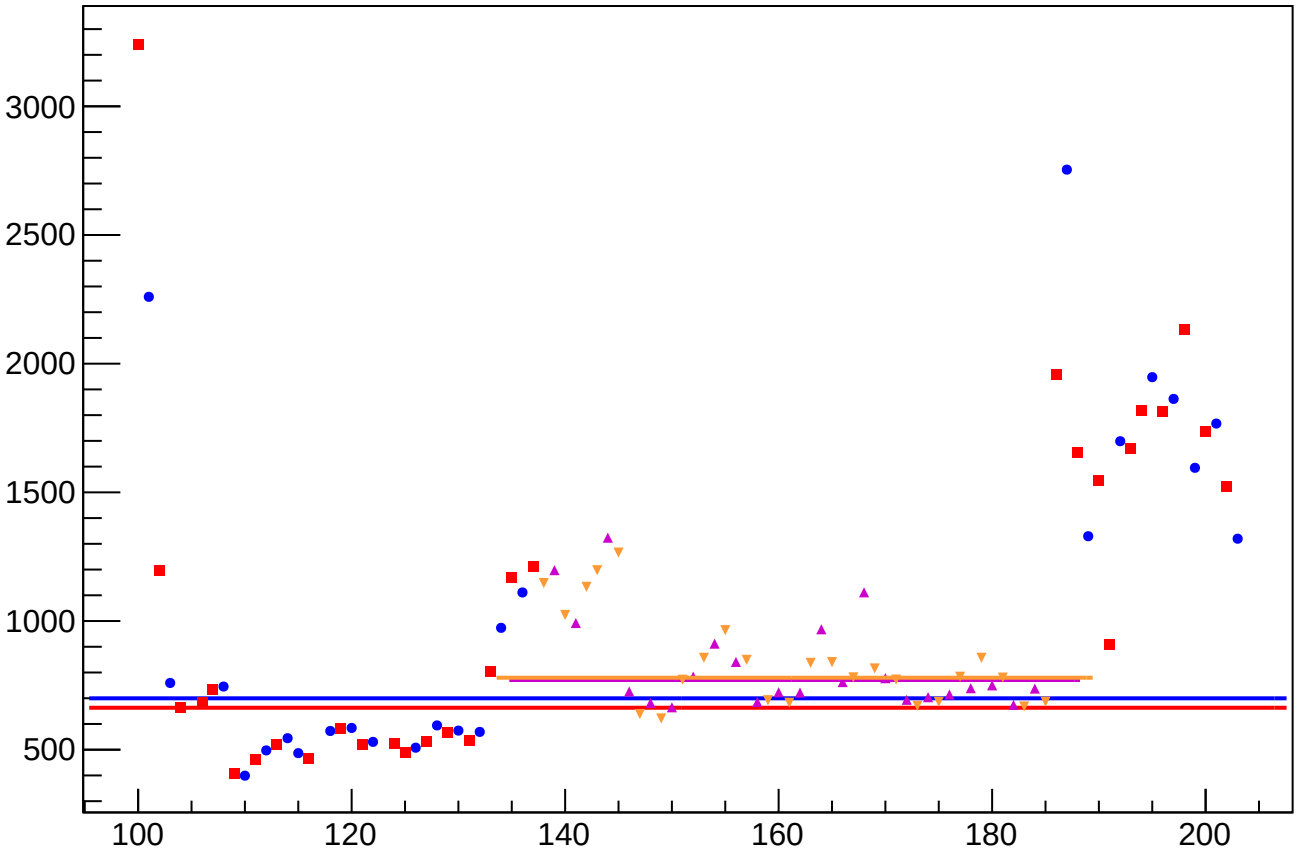
Left: -296.716+/-128.941 χ^2/NDF: 81.9/47

Right: 206.462+/-150.183 χ^2/NDF: 64.2/52

In: 23.765+/-141.099 χ^2/NDF:50.9/46

Out: -182.226+/-135.763 χ^2/NDF:100.6/53

All: -83.199+/-97.831 χ^2/NDF: 152.6/100



Right In: 699.679+/-0.156 χ^2/NDF: 5928763.7/23

Left Out: 779.713+/-0.128 χ^2/NDF:1243769.6/24

Right Out: 663.036+/-0.145 χ^2/NDF: 6690168.8/28

Left In: 770.799+/-0.130 χ^2/NDF:1076291.1/22

Left: 775.311+/-0.091 χ^2/NDF: 2322450.1/47

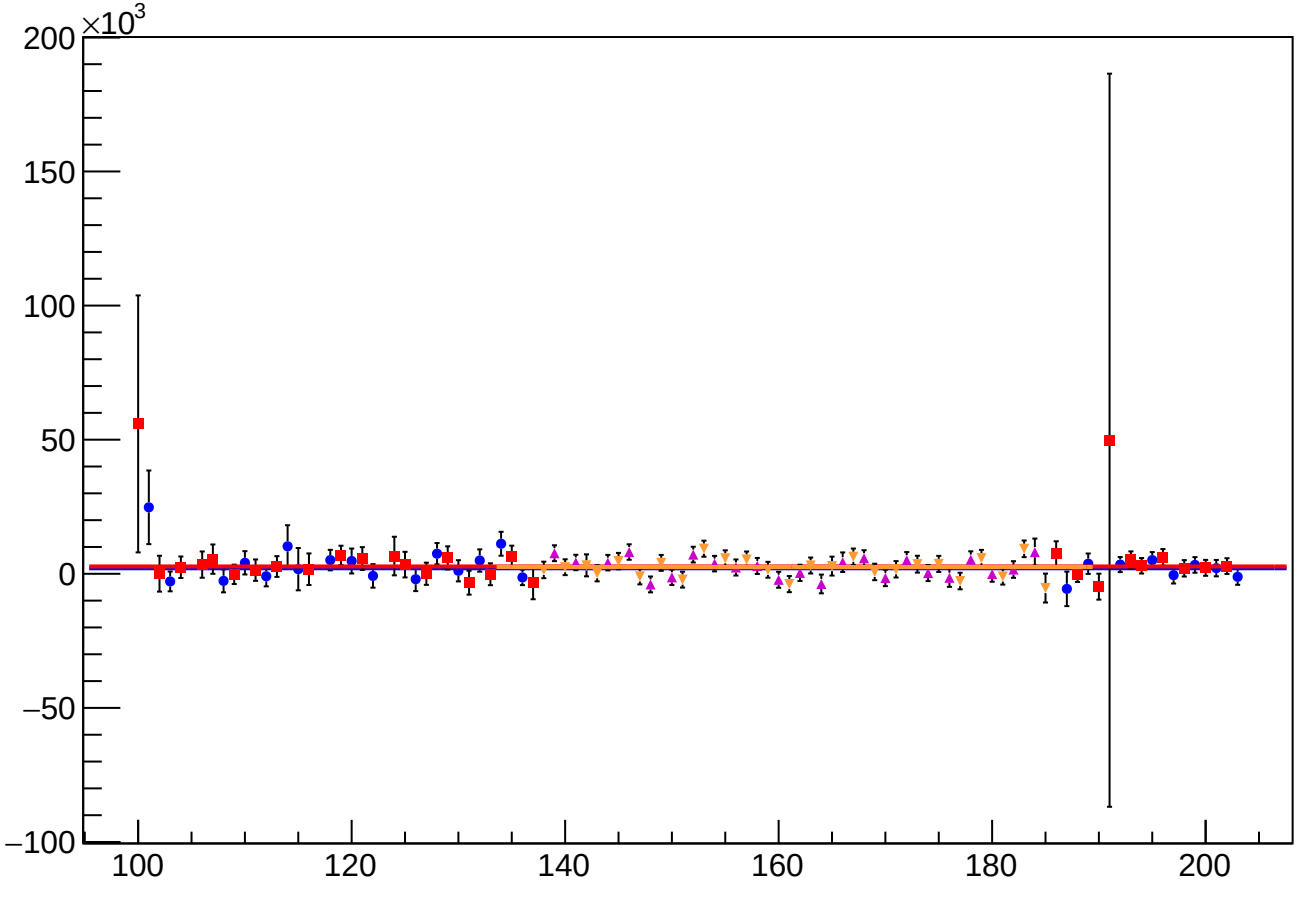
Right: 680.002+/-0.106 χ^2/NDF: 12648533.9/52

In: 741.733+/-0.100 χ^2/NDF:7127847.5/46

Out: 728.513+/-0.096 χ^2/NDF:8297706.6/53

All: 734.868+/-0.069 χ^2/NDF: 15434670.6/10

dit_asym_atr1_mean vs Slug, Sign Corrected



Right In: 2054.491+/-781.926 χ^2/NDF: 22.8/23

Left Out: 2545.043+/-622.236 χ^2/NDF:31.9/24

Right Out: 2744.470+/-751.060 χ^2/NDF: 16.3/28

Left In: 2406.858+/-640.084 χ^2/NDF:31.8/22

Left: 2477.904+/-446.164 χ^2/NDF: 63.7/47

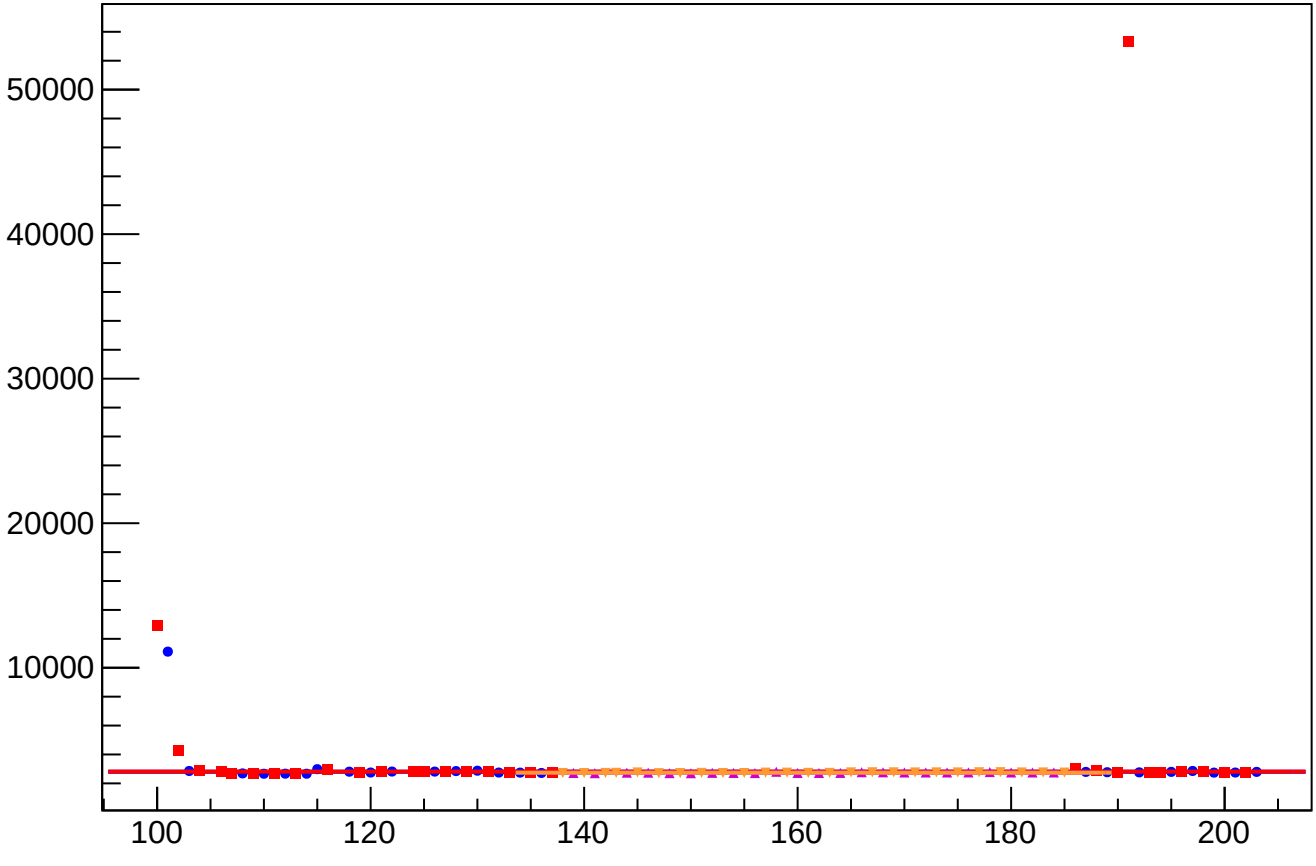
Right: 2413.368+/-541.663 χ^2/NDF: 39.5/52

In: 2265.476+/-495.297 χ^2/NDF:54.7/46

Out: 2626.213+/-479.157 χ^2/NDF:48.2/53

All: 2451.817+/-344.380 χ^2/NDF: 103.2/100

dit_asym_atr1_rms vs Slug, Sign Corrected



Right In: 2804.065+/-0.553 χ^2/NDF: 747267.7/23

Left Out: 2739.304+/-0.440 χ^2/NDF:2322.3/24

Right Out: 2813.834+/-0.531 χ^2/NDF: 532200.3/28

Left In: 2741.391+/-0.453 χ^2/NDF:3369.6/22

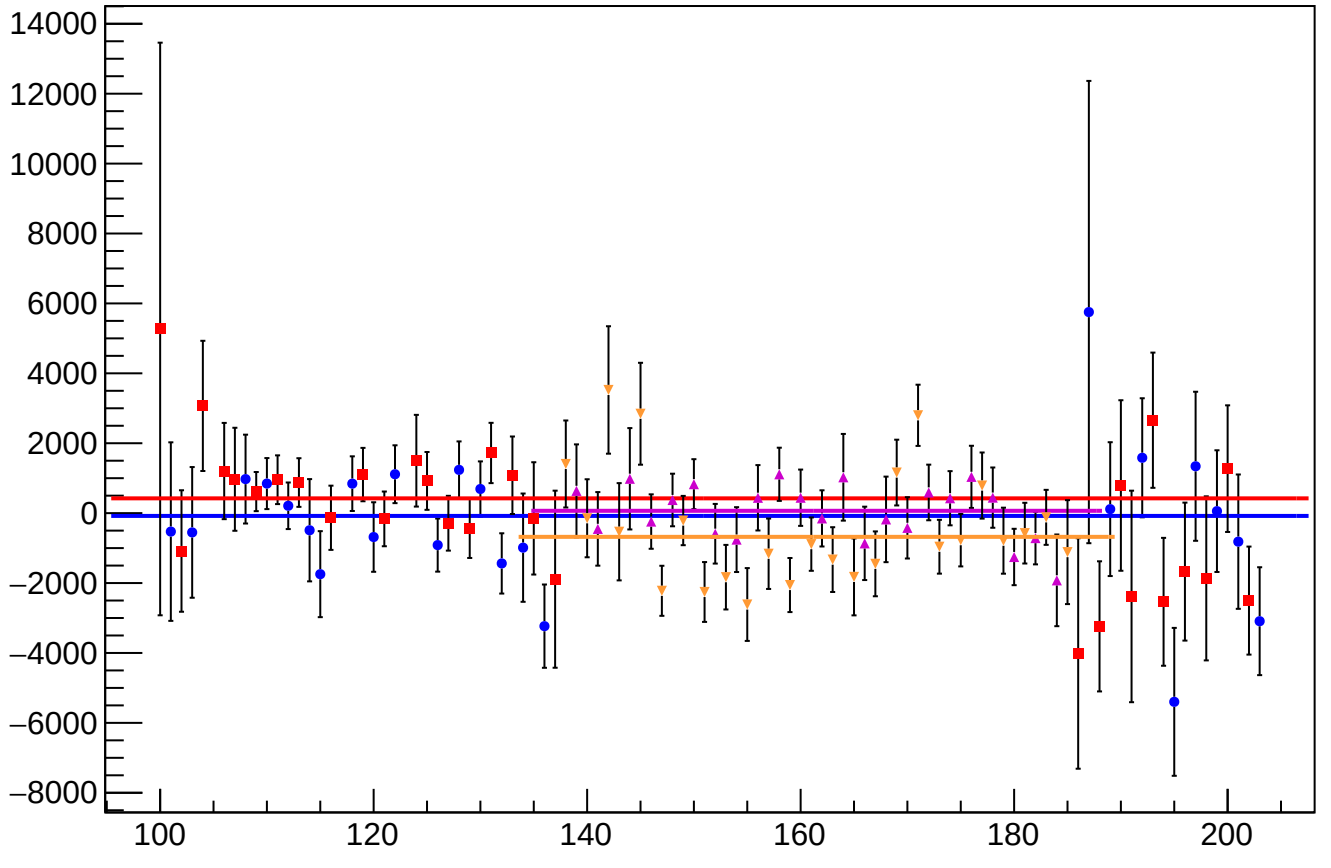
Left: 2740.318+/-0.315 χ^2/NDF: 5702.8/47

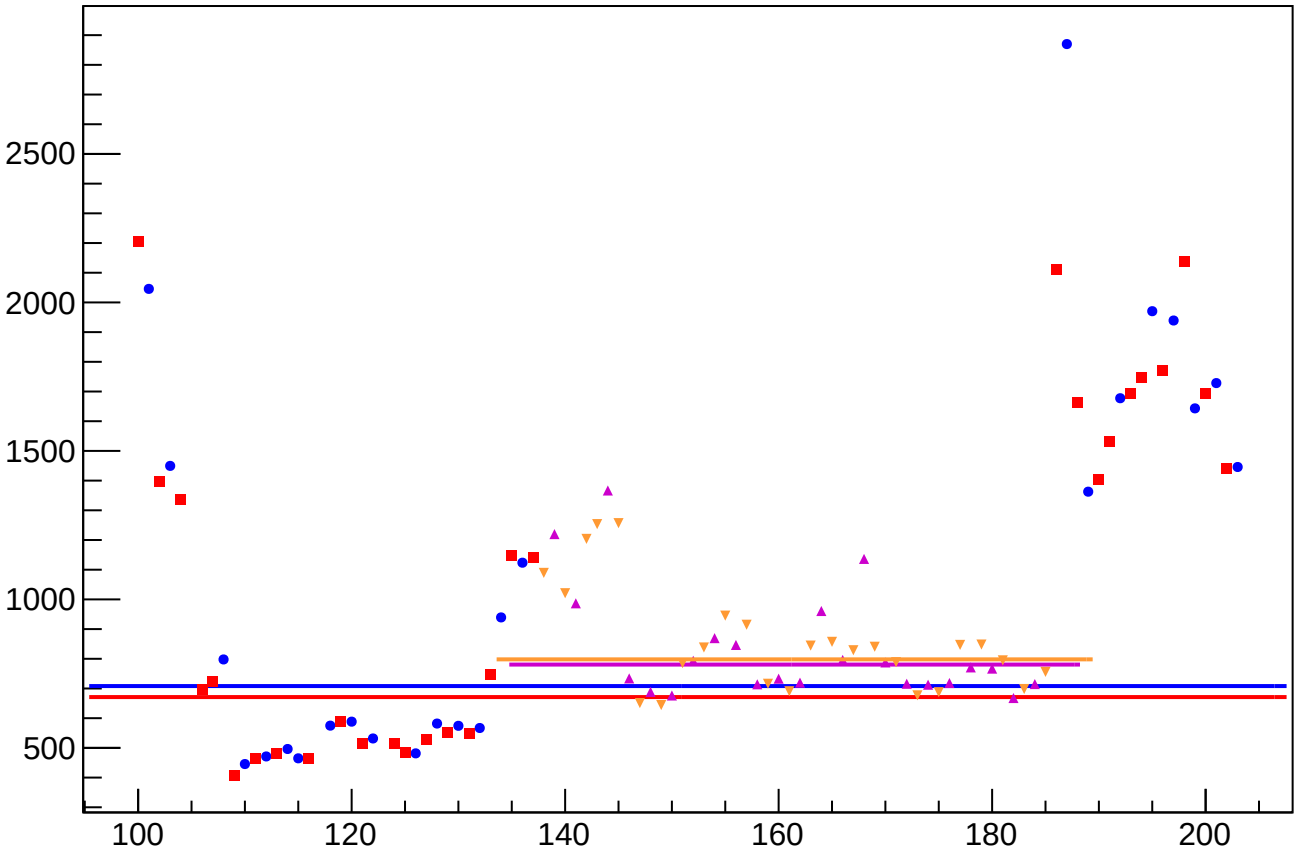
Right: 2809.146+/-0.383 χ^2/NDF: 1279630.4/52

In: 2766.538+/-0.350 χ^2/NDF:758331.0/46

Out: 2769.639+/-0.339 χ^2/NDF:546201.4/53

All: 2768.140+/-0.244 χ^2/NDF: 1304572.8/10


asym_atr1_dit_correction_mean vs Slug, Sign Corrected
14000
12000
10000
8000
6000
4000
2000
0
−2000
−4000
−6000
−8000
100
120
140
160
180
200
Right In: -79.475+/-224.509 χ²/NDF: 35.4/23
Left Out: -678.226+/-185.004 χ²/NDF:56.2/24
Right Out: 423.058+/-205.830 χ²/NDF: 29.3/28
Left In: 67.156+/-185.436 χ²/NDF:15.8/22
Left: -306.403+/-130.970 χ²/NDF: 80.1/47
Right: 193.563+/-151.718 χ²/NDF: 67.4/52
In: 7.691+/-142.973 χ²/NDF:51.5/46
Out: -186.099+/-137.593 χ²/NDF:101.3/53
All: -92.918+/-99.140 χ²/NDF: 153.8/100



Right In: 708.163+/-0.159 χ^2/NDF: 6379674.7/23

Left Out: 798.091+/-0.131 χ^2/NDF:1168352.1/24

Right Out: 671.091+/-0.146 χ^2/NDF: 7253775.7/28

Left In: 780.525+/-0.131 χ^2/NDF:1064827.5/22

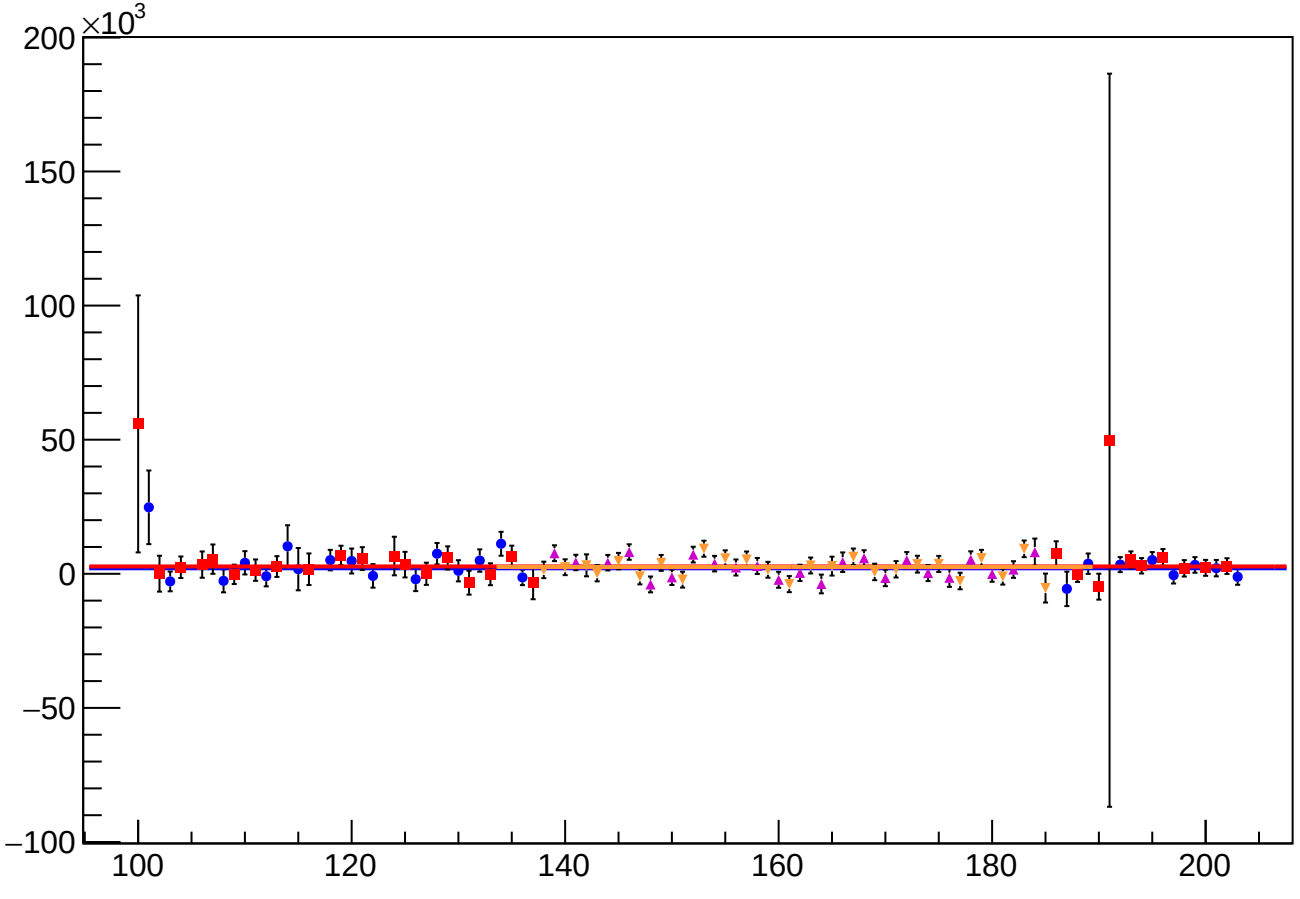
Left: 789.329+/-0.093 χ^2/NDF: 2242174.0/47

Right: 688.021+/-0.107 χ^2/NDF: 13663079.4/52

In: 751.179+/-0.101 χ^2/NDF:7568013.3/46

Out: 741.339+/-0.097 χ^2/NDF:8843294.5/53

All: 746.071+/-0.070 χ^2/NDF: 16416226.2/10



Right In: 2054.491+/-781.926 χ^2/NDF: 22.8/23

Left Out: 2545.044+/-622.236 χ^2/NDF:31.9/24

Right Out: 2744.468+/-751.060 χ^2/NDF: 16.3/28

Left In: 2406.858+/-640.084 χ^2/NDF:31.8/22

Left: 2477.904+/-446.164 χ^2/NDF: 63.7/47

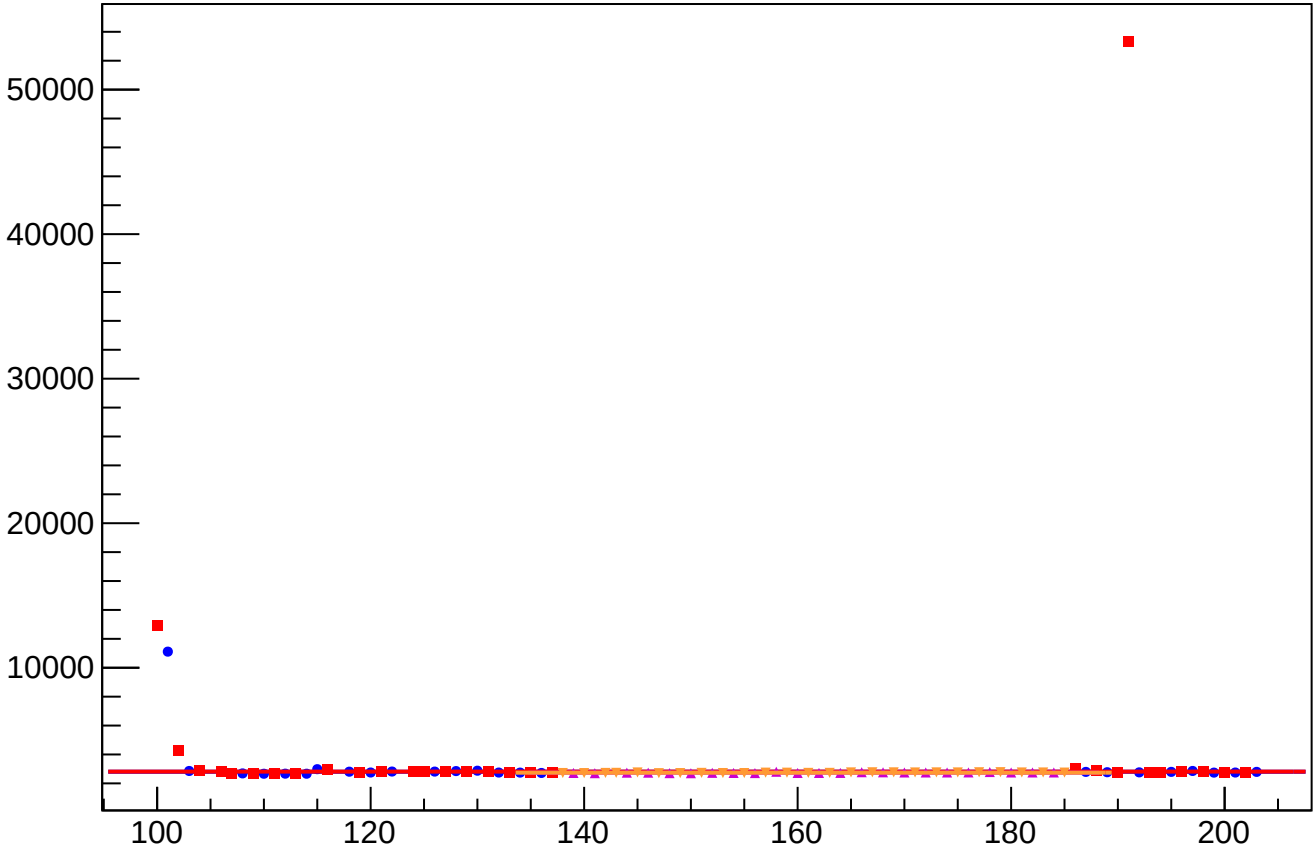
Right: 2413.366+/-541.663 χ^2/NDF: 39.5/52

In: 2265.476+/-495.297 χ^2/NDF:54.7/46

Out: 2626.212+/-479.157 χ^2/NDF:48.2/53

All: 2451.817+/-344.380 χ^2/NDF: 103.2/100

eigen_dit_asym_atr1_rms vs Slug, Sign Corrected



Right In: 2804.065+/-0.553 χ^2/NDF: 747267.7/23

Left Out: 2739.304+/-0.440 χ^2/NDF:2322.3/24

Right Out: 2813.834+/-0.531 χ^2/NDF: 532200.1/28

Left In: 2741.391+/-0.453 χ^2/NDF:3369.6/22

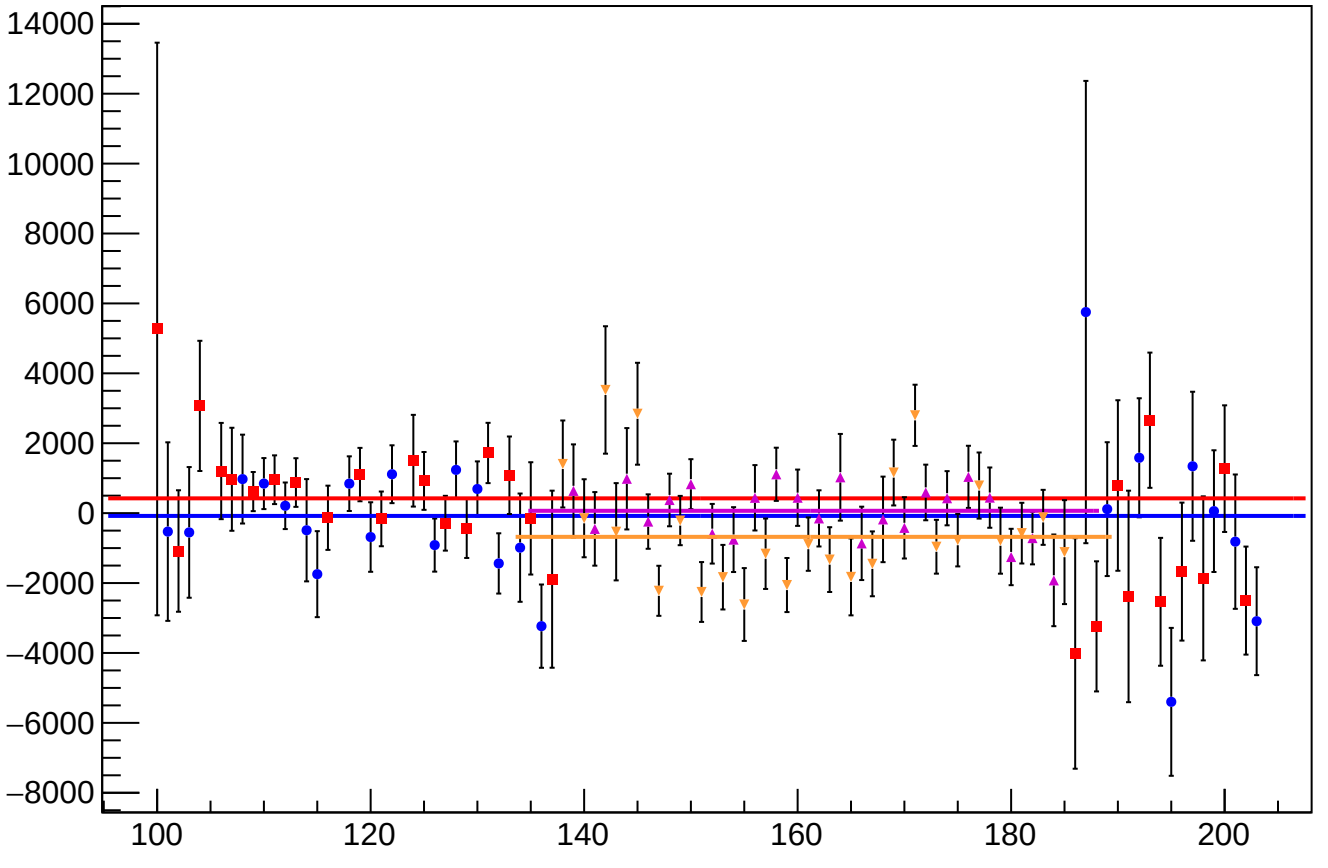
Left: 2740.318+/-0.315 χ^2/NDF: 5702.8/47

Right: 2809.146+/-0.383 χ^2/NDF: 1279630.2/52

In: 2766.538+/-0.350 χ^2/NDF:758330.9/46

Out: 2769.639+/-0.339 χ^2/NDF:546201.2/53

All: 2768.140+/-0.244 χ^2/NDF: 1304572.6/10



Right In: -79.474+/-224.509 χ^2/NDF: 35.4/23

Left Out: -678.227+/-185.004 χ^2/NDF:56.2/24

Right Out: 423.058+/-205.830 χ^2/NDF: 29.3/28

Left In: 67.157+/-185.436 χ^2/NDF:15.8/22

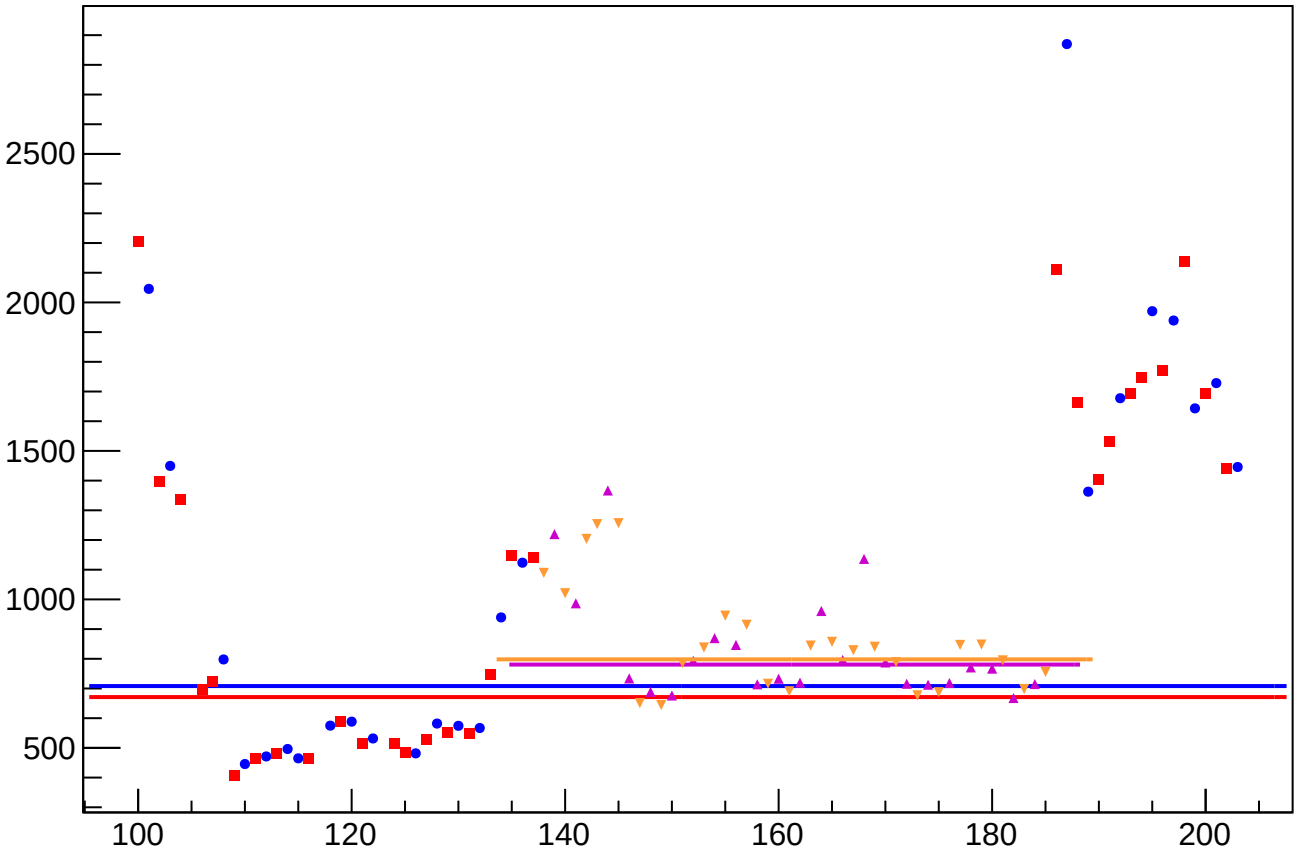
Left: -306.403+/-130.970 χ^2/NDF: 80.1/47

Right: 193.563+/-151.718 χ^2/NDF: 67.4/52

In: 7.691+/-142.973 χ^2/NDF:51.5/46

Out: -186.100+/-137.593 χ^2/NDF:101.3/53

All: -92.918+/-99.140 χ^2/NDF: 153.8/100



Right In: 708.164+/-0.159 χ^2/NDF: 6379671.7/23

Left Out: 798.092+/-0.131 χ^2/NDF:1168353.9/24

Right Out: 671.091+/-0.146 χ^2/NDF: 7253778.1/28

Left In: 780.525+/-0.131 χ^2/NDF:1064830.7/22

Left: 789.329+/-0.093 χ^2/NDF: 2242179.2/47

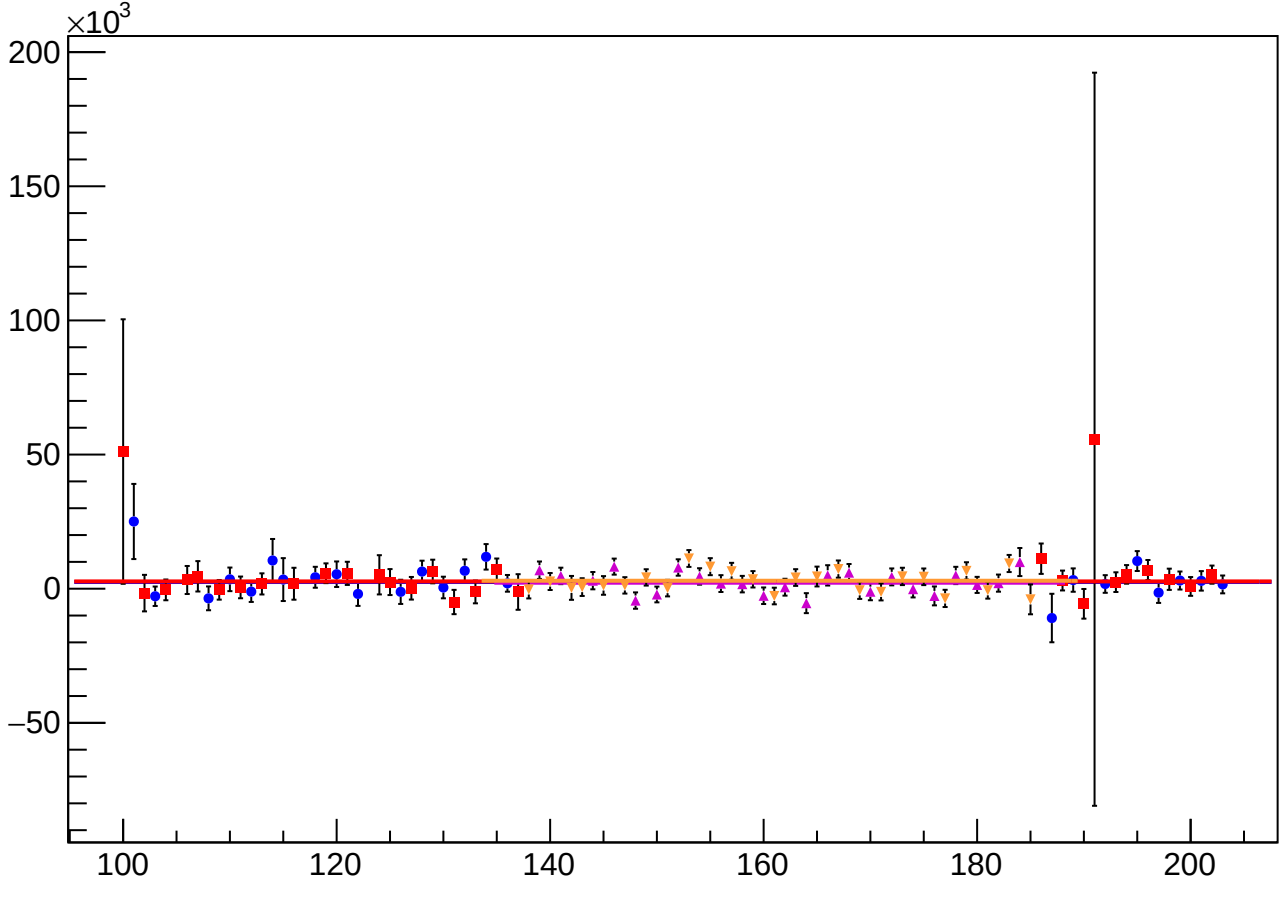
Right: 688.021+/-0.107 χ^2/NDF: 13663079.4/52

In: 751.179+/-0.101 χ^2/NDF:7568011.3/46

Out: 741.339+/-0.097 χ^2/NDF:8843298.3/53

All: 746.071+/-0.070 χ^2/NDF: 16416228.0/10

asym_atr1_mean vs Slug, Sign Corrected



Right In: 2494.283+/-854.090 χ^2/NDF: 24.8/23

Left Out: 2969.337+/-653.286 χ^2/NDF:35.7/24

Right Out: 2722.578+/-826.408 χ^2/NDF: 18.2/28

Left In: 2237.495+/-670.327 χ^2/NDF:33.8/22

Left: 2612.837+/-467.852 χ^2/NDF: 70.1/47

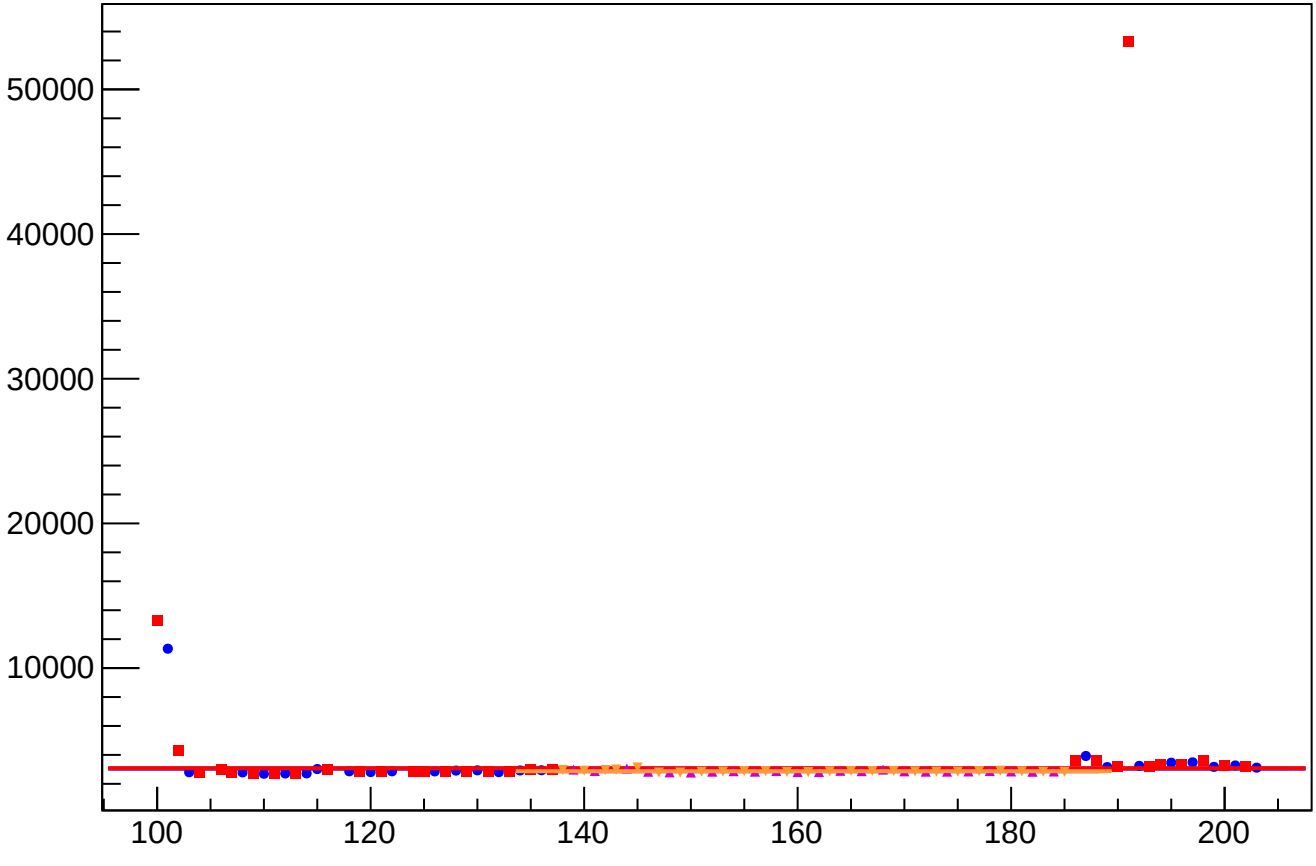
Right: 2612.190+/-593.904 χ^2/NDF: 43.0/52

In: 2335.378+/-527.313 χ^2/NDF:58.6/46

Out: 2874.438+/-512.494 χ^2/NDF:54.0/53

All: 2612.589+/-367.515 χ^2/NDF: 113.1/100

asym_atr1_rms vs Slug, Sign Corrected



Right In: 3053.428+/-0.604 χ^2/NDF: 866902.3/23

Left Out: 2874.933+/-0.462 χ^2/NDF:21788.8/24

Right Out: 3079.742+/-0.584 χ^2/NDF: 713878.5/28

Left In: 2870.153+/-0.474 χ^2/NDF:17687.5/22

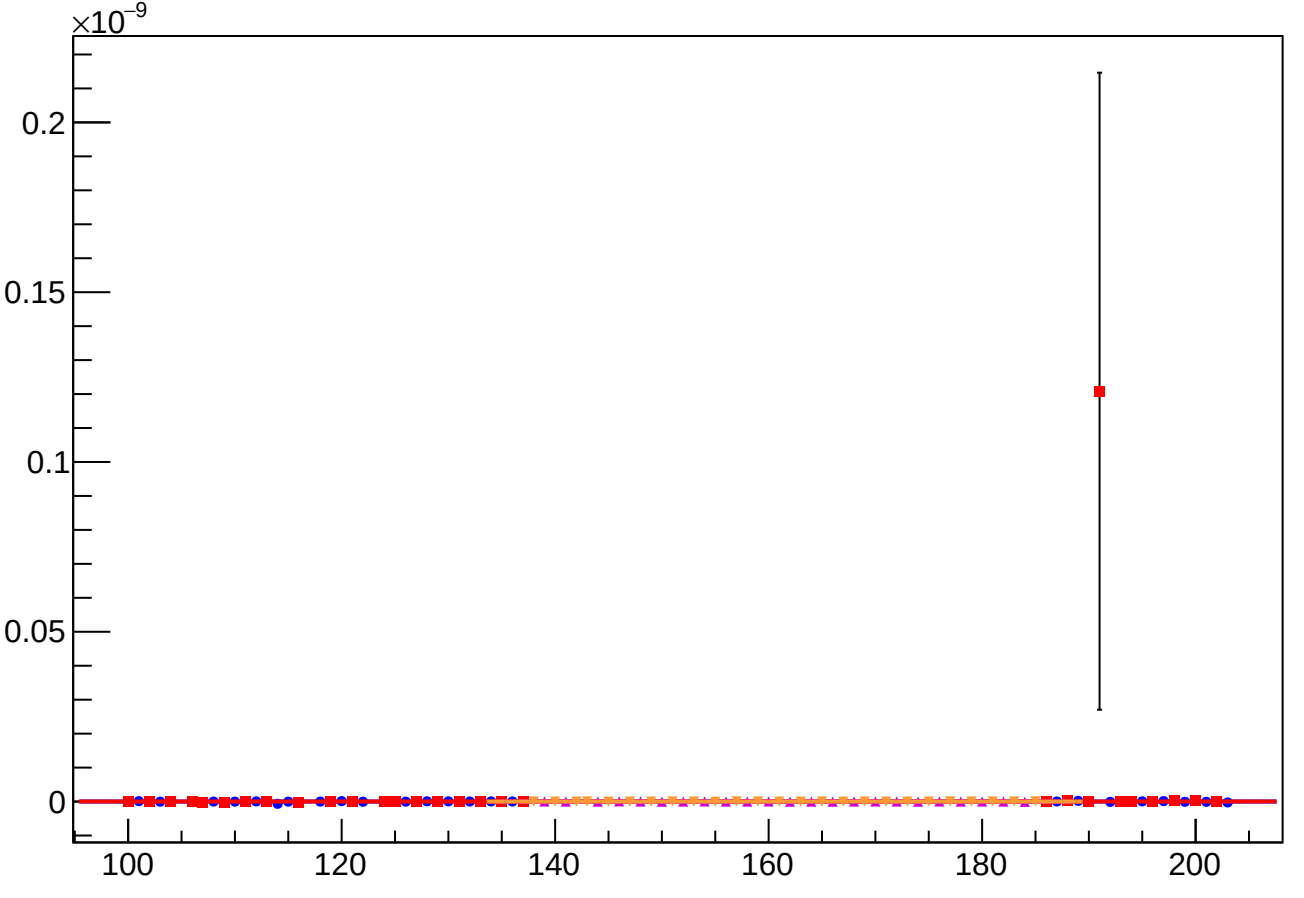
Left: 2872.605+/-0.331 χ^2/NDF: 39528.5/47

Right: 3067.019+/-0.420 χ^2/NDF: 1581761.3/52

In: 2940.014+/-0.373 χ^2/NDF:941579.4/46

Out: 2953.699+/-0.362 χ^2/NDF:811265.9/53

All: 2947.052+/-0.260 χ^2/NDF: 1753538.0/10



Right In: 0.000+/-0.000 χ^2/NDF: 18.1/23

Left Out: 0.000+/-0.000 χ^2/NDF:14.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 34.4/28

Left In: -0.000+/-0.000 χ^2/NDF:27.9/22

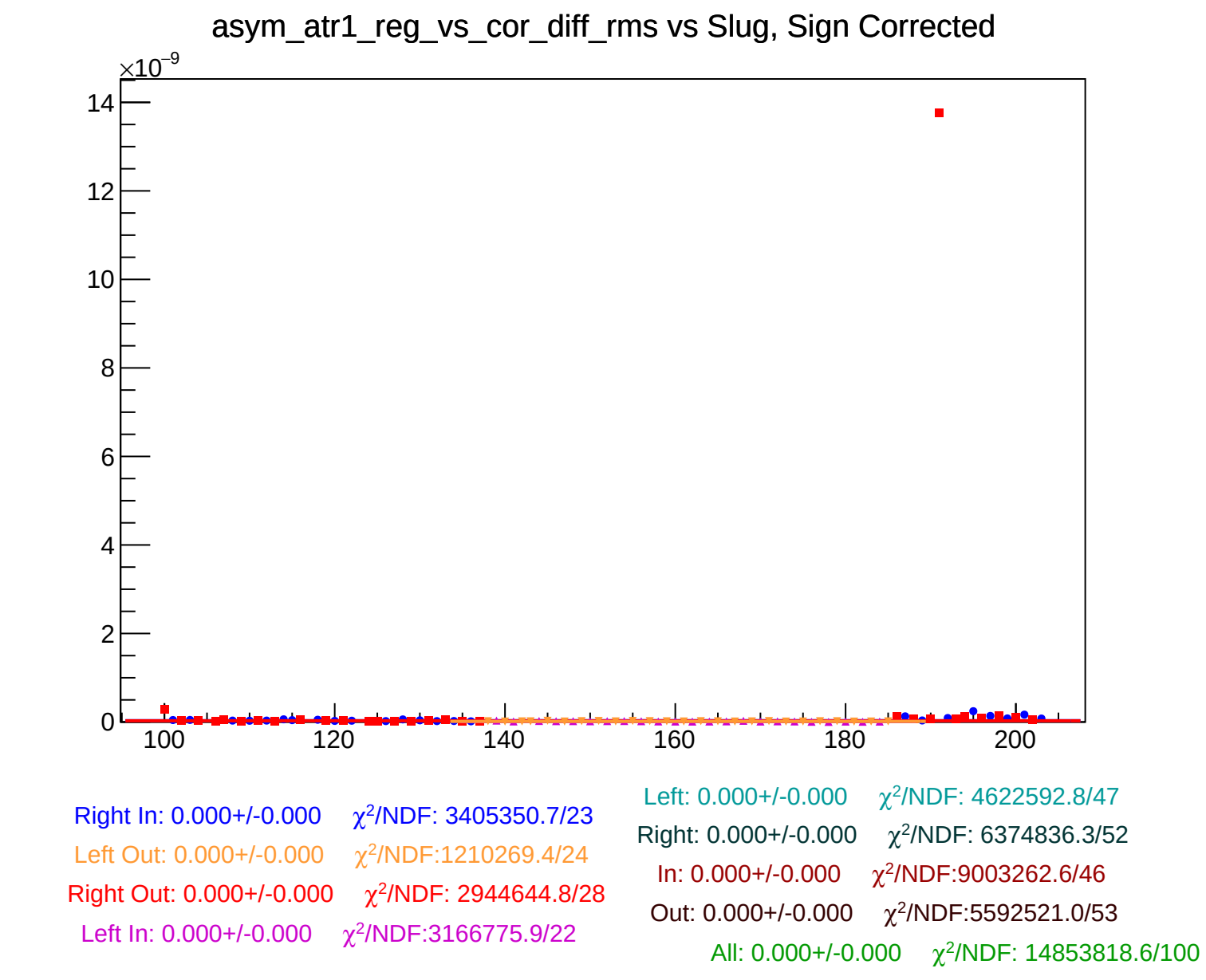
Left: -0.000+/-0.000 χ^2/NDF: 43.3/47

Right: 0.000+/-0.000 χ^2/NDF: 52.6/52

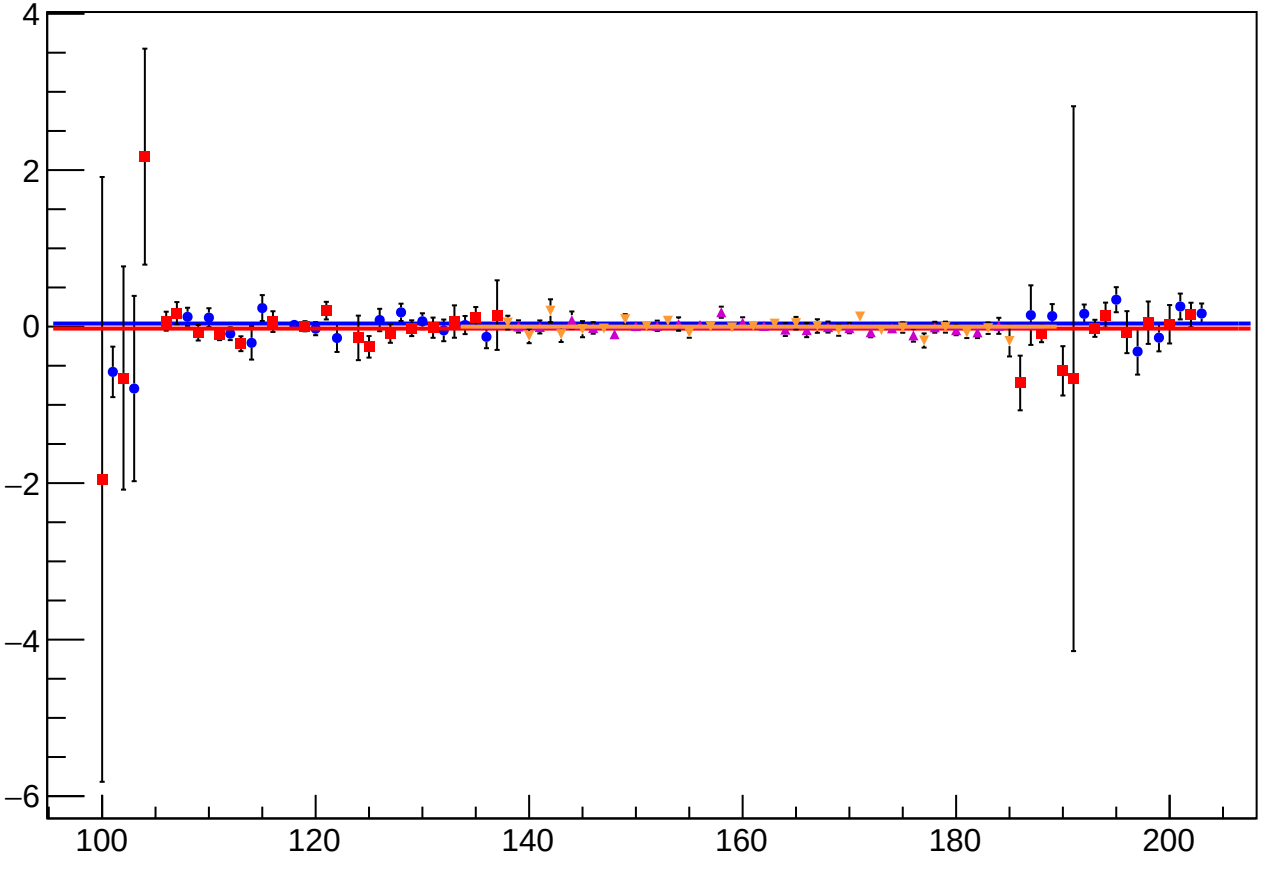
In: -0.000+/-0.000 χ^2/NDF:48.2/46

Out: 0.000+/-0.000 χ^2/NDF:49.1/53

All: -0.000+/-0.000 χ^2/NDF: 98.0/100


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: 3405350.7/23
Left Out: 0.000+/-0.000 χ²/NDF:1210269.4/24
Right Out: 0.000+/-0.000 χ²/NDF: 2944644.8/28
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: 6374836.3/52
In: 0.000+/-0.000 χ²/NDF:9003262.6/46
Out: 0.000+/-0.000 χ²/NDF:5592521.0/53
All: 0.000+/-0.000 χ²/NDF: 14853818.6/100

asym_atr1_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.039+/-0.025 χ^2/NDF: 26.2/23

Left Out: -0.000+/-0.014 χ^2/NDF:22.6/24

Right Out: -0.025+/-0.025 χ^2/NDF: 30.7/28

Left In: -0.008+/-0.015 χ^2/NDF:15.5/22

Left: -0.004+/-0.010 χ^2/NDF: 38.2/47

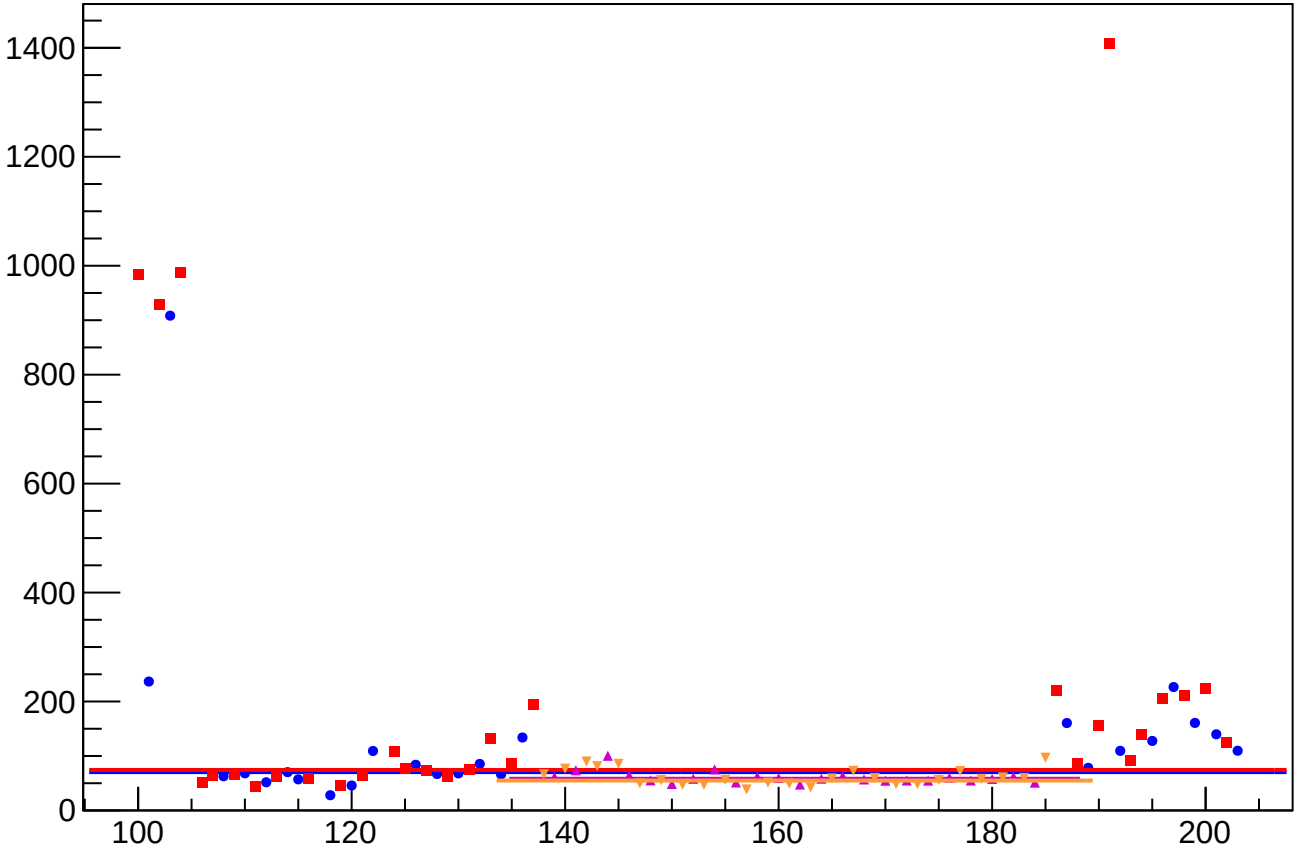
Right: 0.007+/-0.018 χ^2/NDF: 60.2/52

In: 0.004+/-0.013 χ^2/NDF:44.4/46

Out: -0.006+/-0.012 χ^2/NDF:54.0/53

All: -0.001+/-0.009 χ^2/NDF: 98.8/100

asym_atr1_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 70.411+/-0.018 χ^2/NDF: 5859942.0/23

Left Out: 54.931+/-0.010 χ^2/NDF:1297647.2/24

Right Out: 74.343+/-0.018 χ^2/NDF: 6128609.3/28

Left In: 58.138+/-0.010 χ^2/NDF:657436.9/22

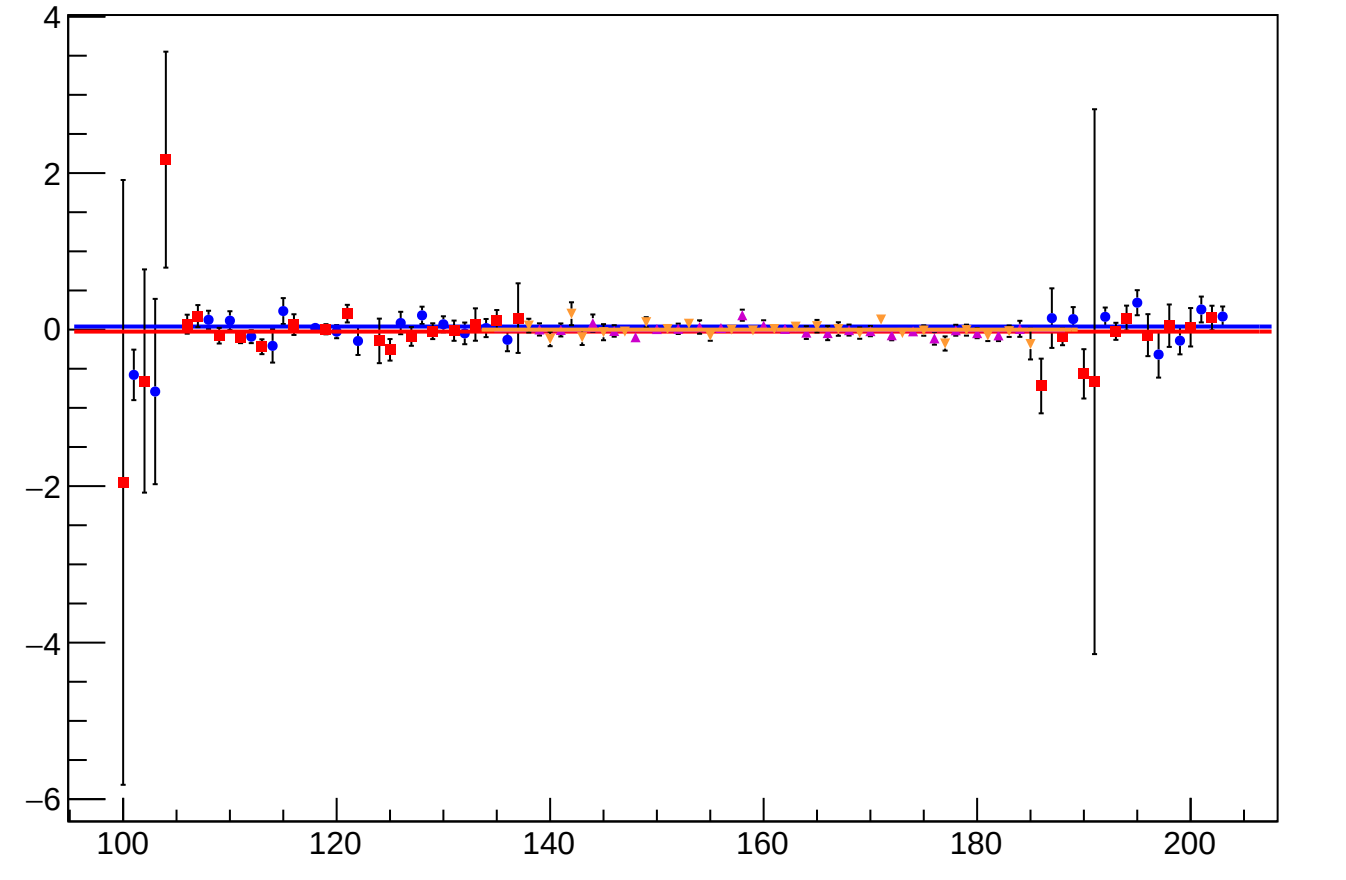
Left: 56.452+/-0.007 χ^2/NDF: 2004214.4/47

Right: 72.374+/-0.013 χ^2/NDF: 12013125.4/52

In: 61.322+/-0.009 χ^2/NDF:6872497.4/46

Out: 59.586+/-0.009 χ^2/NDF:8335953.1/53

All: 60.421+/-0.006 χ^2/NDF: 15227660.8/100



Right In: 0.039+/-0.025 χ^2/NDF: 26.2/23

Left Out: -0.000+/-0.014 χ^2/NDF:22.6/24

Right Out: -0.025+/-0.025 χ^2/NDF: 30.7/28

Left In: -0.008+/-0.015 χ^2/NDF:15.5/22

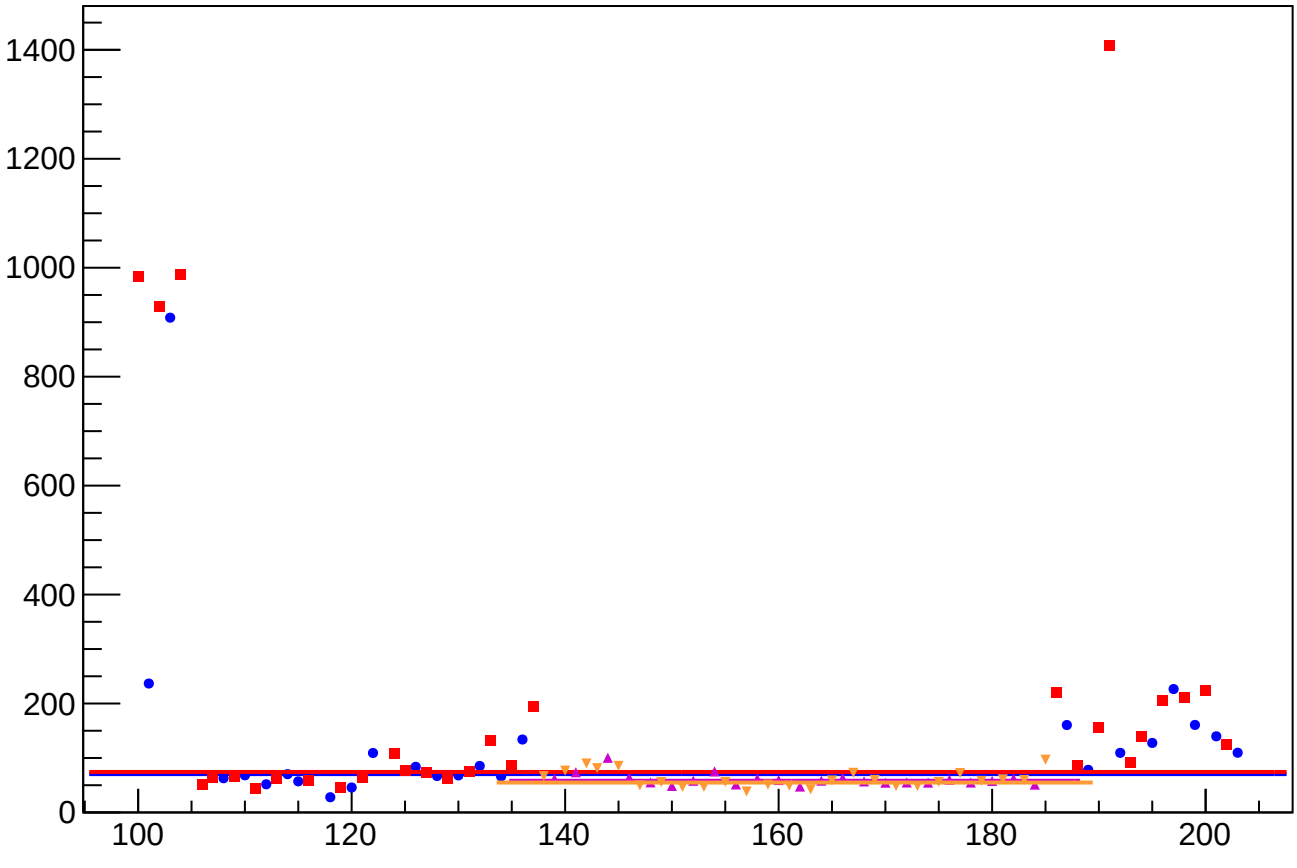
Left: -0.004+/-0.010 χ^2/NDF: 38.2/47

Right: 0.007+/-0.018 χ^2/NDF: 60.2/52

In: 0.004+/-0.013 χ^2/NDF:44.4/46

Out: -0.006+/-0.012 χ^2/NDF:54.0/53

All: -0.001+/-0.009 χ^2/NDF: 98.8/100



Right In: 70.411+/-0.018 χ^2/NDF: 5859942.0/23

Left Out: 54.931+/-0.010 χ^2/NDF:1297647.2/24

Right Out: 74.343+/-0.018 χ^2/NDF: 6128609.3/28

Left In: 58.138+/-0.010 χ^2/NDF:657436.9/22

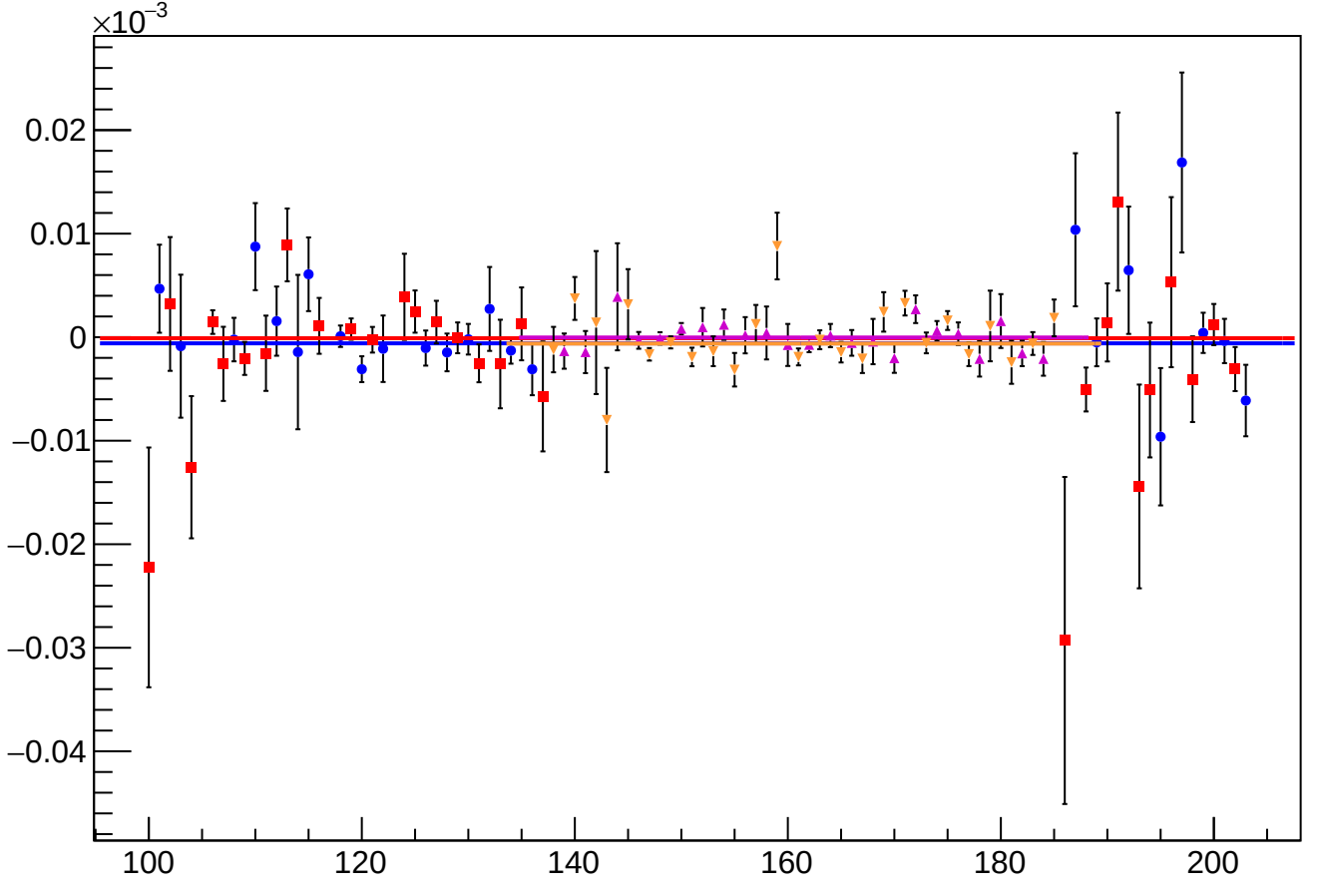
Left: 56.452+/-0.007 χ^2/NDF: 2004214.4/47

Right: 72.374+/-0.013 χ^2/NDF: 12013125.4/52

In: 61.322+/-0.009 χ^2/NDF:6872497.4/46

Out: 59.586+/-0.009 χ^2/NDF:8335953.1/53

All: 60.421+/-0.006 χ^2/NDF: 15227660.8/100



Right In: -0.000+/-0.000 χ^2/NDF: 29.5/23

Left Out: -0.000+/-0.000 χ^2/NDF:52.8/24

Right Out: -0.000+/-0.000 χ^2/NDF: 43.0/28

Left In: -0.000+/-0.000 χ^2/NDF:18.2/22

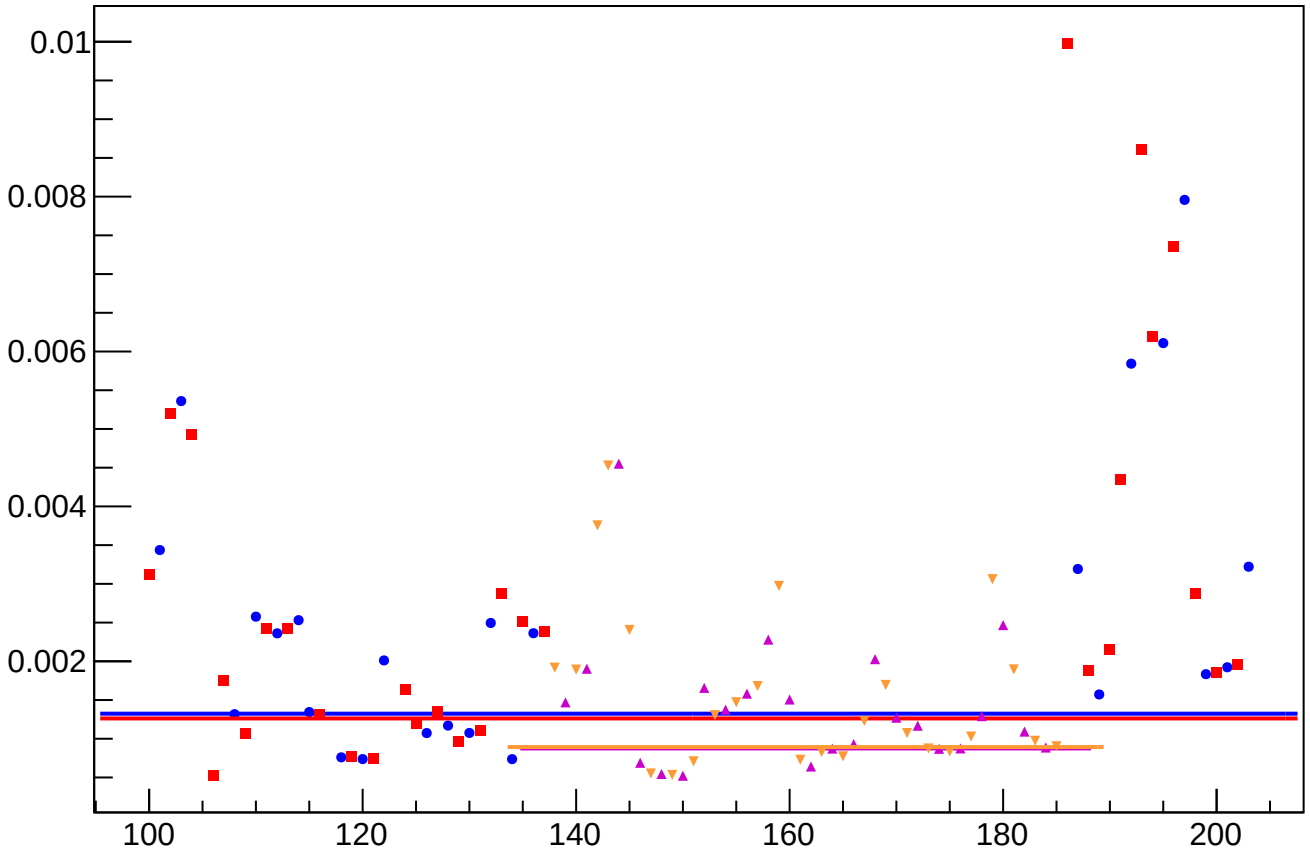
Left: -0.000+/-0.000 χ^2/NDF: 74.1/47

Right: -0.000+/-0.000 χ^2/NDF: 73.2/52

In: -0.000+/-0.000 χ^2/NDF:48.9/46

Out: -0.000+/-0.000 χ^2/NDF:96.9/53

All: -0.000+/-0.000 χ^2/NDF: 147.2/100



Right In: 0.001+/-0.000 χ^2/NDF: 8113698.2/23

Left Out: 0.001+/-0.000 χ^2/NDF:7739119.9/24

Right Out: 0.001+/-0.000 χ^2/NDF: 9459567.7/28

Left In: 0.001+/-0.000 χ^2/NDF:6963716.3/22

Left: 0.001+/-0.000 χ^2/NDF: 14708860.3/47

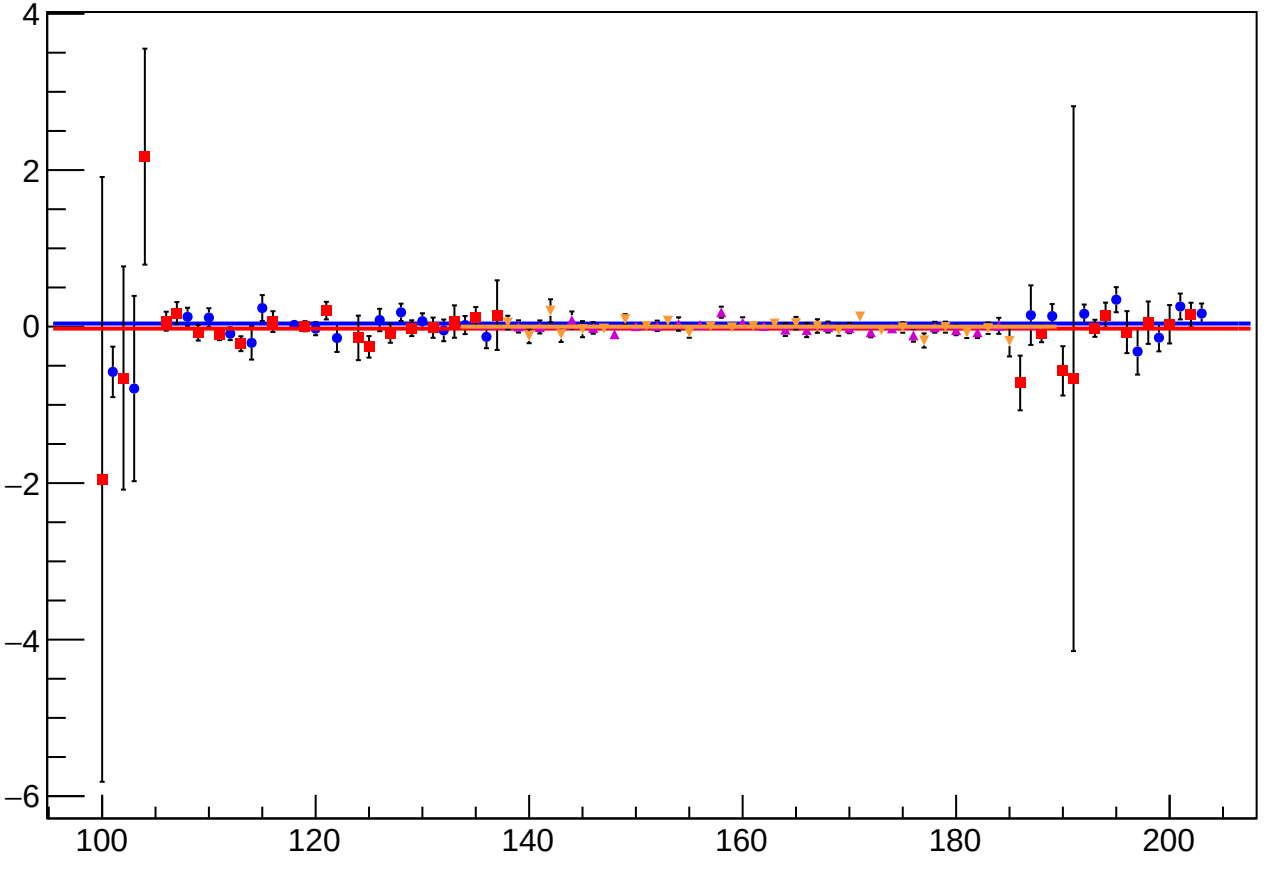
Right: 0.001+/-0.000 χ^2/NDF: 17593129.4/52

In: 0.001+/-0.000 χ^2/NDF:16653706.8/46

Out: 0.001+/-0.000 χ^2/NDF:18357117.1/53

All: 0.001+/-0.000 χ^2/NDF: 35011498.1/100

asym_atr1_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.039+/-0.025 χ^2/NDF: 26.2/23

Left Out: -0.000+/-0.014 χ^2/NDF:22.6/24

Right Out: -0.025+/-0.025 χ^2/NDF: 30.7/28

Left In: -0.008+/-0.015 χ^2/NDF:15.5/22

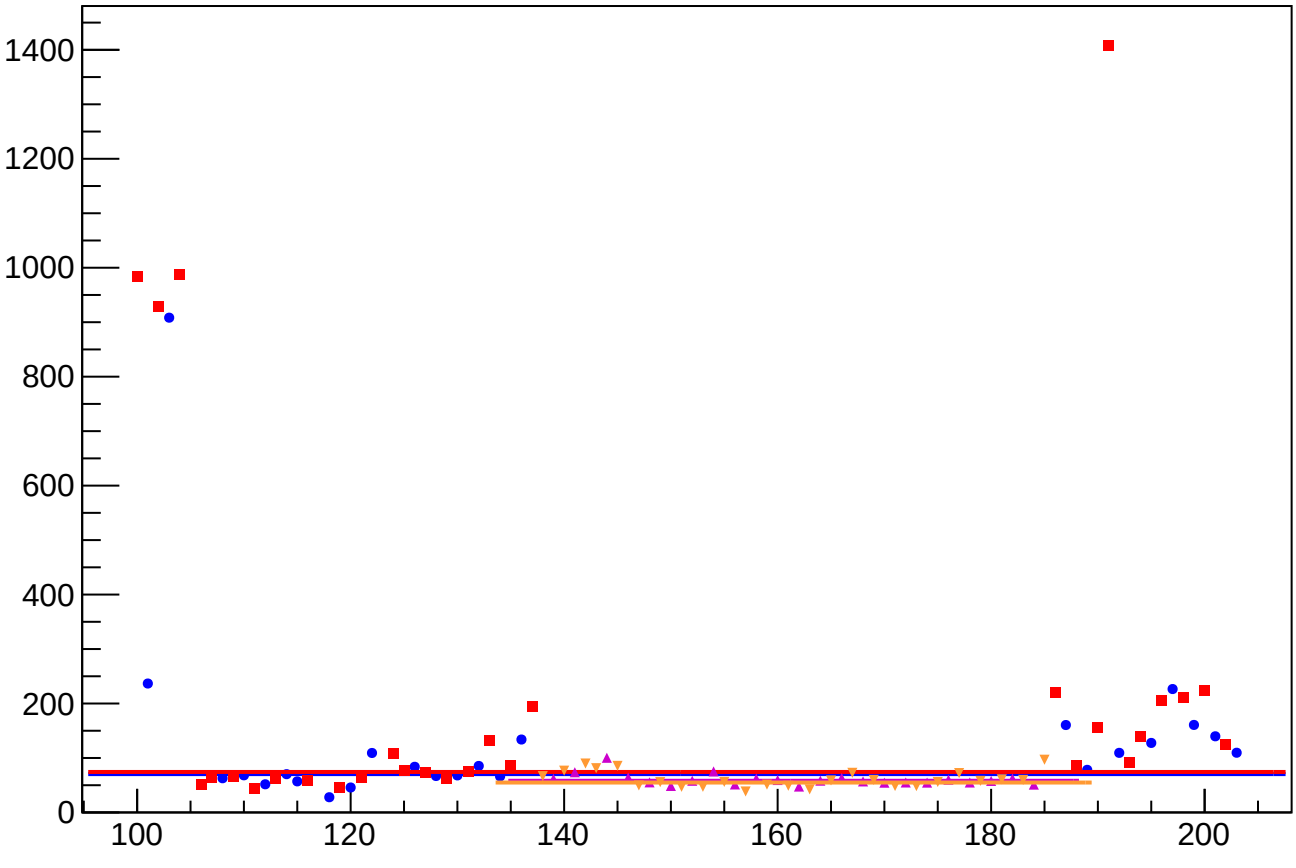
Left: -0.004+/-0.010 χ^2/NDF: 38.2/47

Right: 0.007+/-0.018 χ^2/NDF: 60.2/52

In: 0.004+/-0.013 χ^2/NDF:44.4/46

Out: -0.006+/-0.012 χ^2/NDF:54.0/53

All: -0.001+/-0.009 χ^2/NDF: 98.8/100



Right In: 70.410+/-0.018 χ^2/NDF: 5860081.3/23

Left Out: 54.930+/-0.010 χ^2/NDF:1297722.9/24

Right Out: 74.342+/-0.018 χ^2/NDF: 6128631.9/28

Left In: 58.138+/-0.010 χ^2/NDF:657460.3/22

Left: 56.452+/-0.007 χ^2/NDF: 2004328.0/47

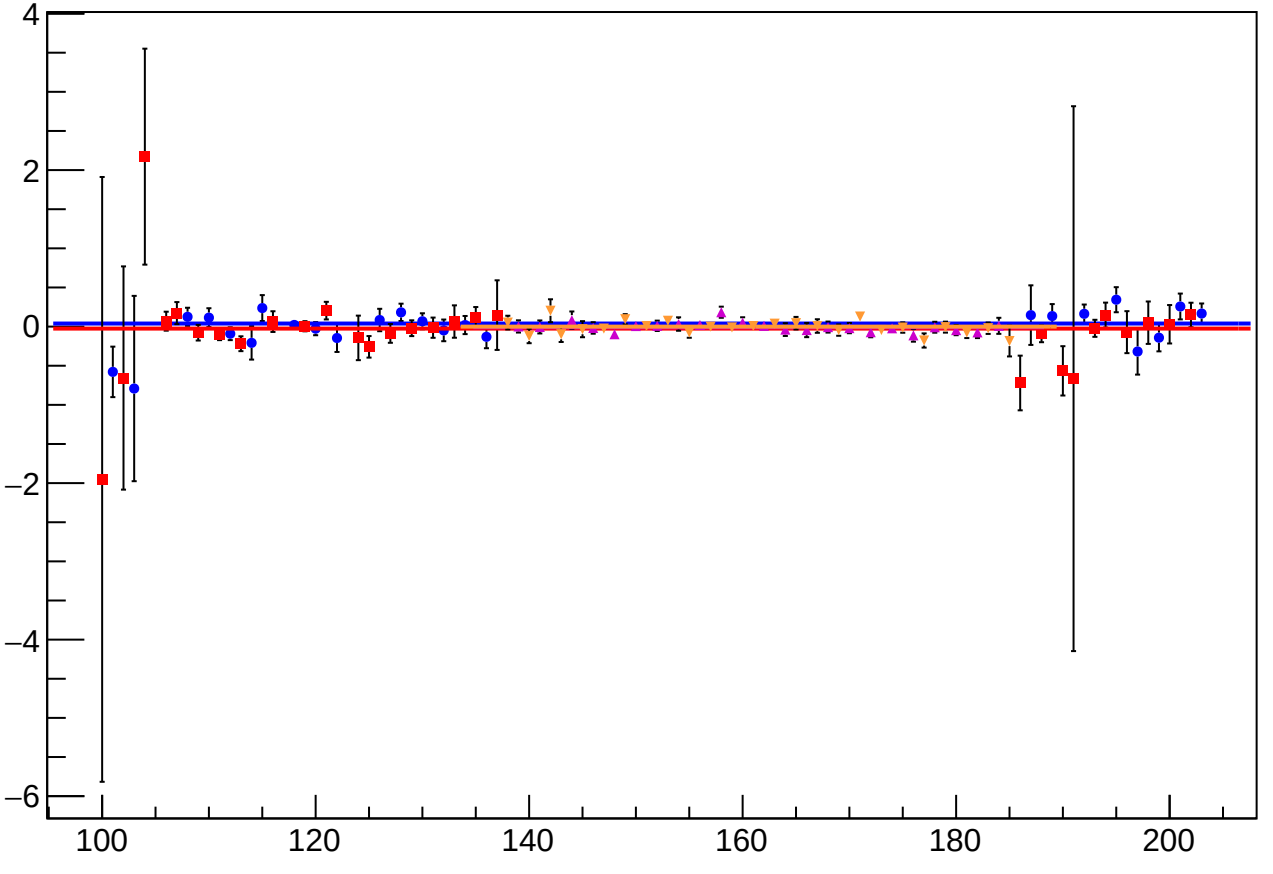
Right: 72.374+/-0.013 χ^2/NDF: 12013294.8/52

In: 61.322+/-0.009 χ^2/NDF:6872610.4/46

Out: 59.585+/-0.009 χ^2/NDF:8336068.5/53

All: 60.420+/-0.006 χ^2/NDF: 15227894.5/100

asym_atr1_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.039+/-0.025 χ^2/NDF: 26.2/23

Left Out: -0.000+/-0.014 χ^2/NDF:22.6/24

Right Out: -0.025+/-0.025 χ^2/NDF: 30.7/28

Left In: -0.008+/-0.015 χ^2/NDF:15.5/22

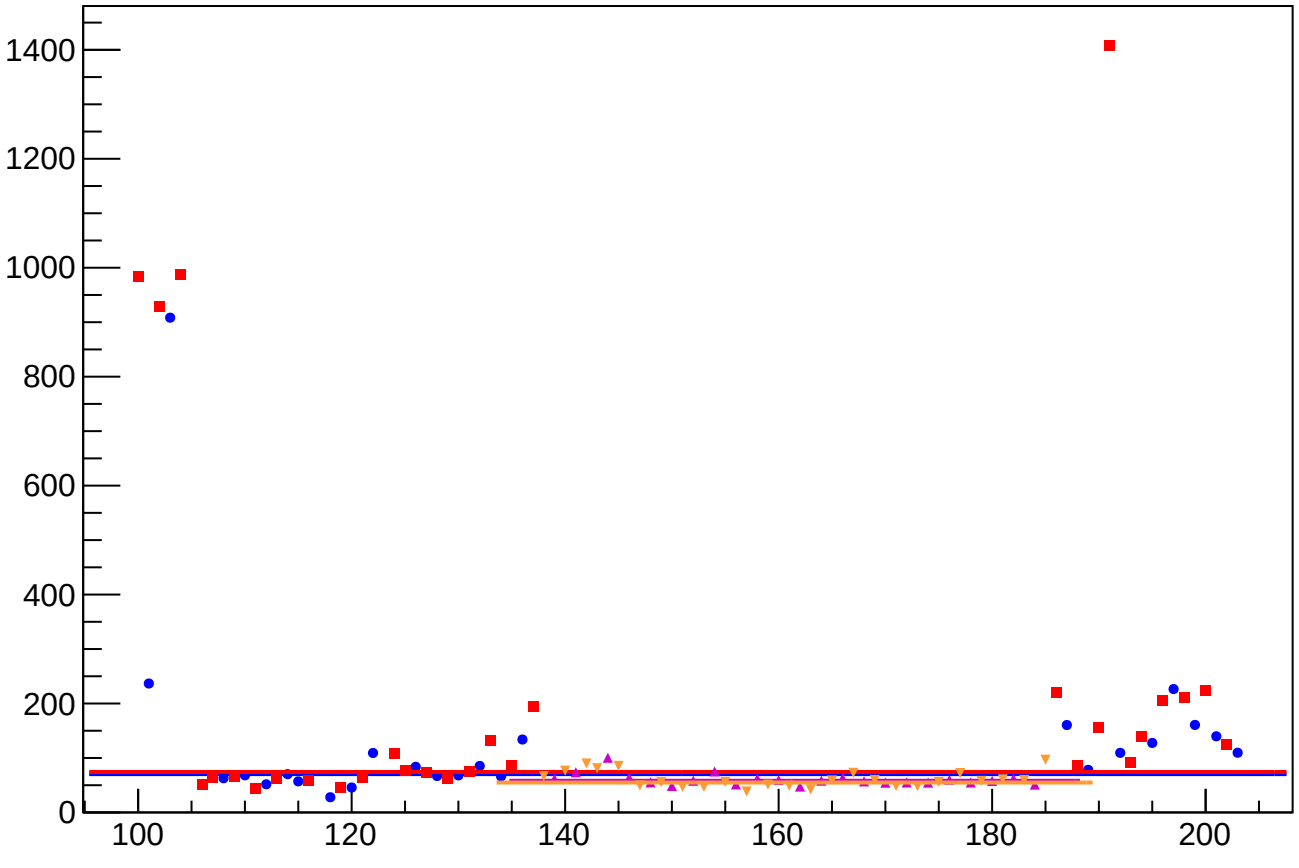
Left: -0.004+/-0.010 χ^2/NDF: 38.2/47

Right: 0.007+/-0.018 χ^2/NDF: 60.2/52

In: 0.004+/-0.013 χ^2/NDF:44.4/46

Out: -0.006+/-0.012 χ^2/NDF:54.0/53

All: -0.001+/-0.009 χ^2/NDF: 98.8/100



Right In: 70.410+/-0.018 χ^2/NDF: 5860081.3/23

Left Out: 54.930+/-0.010 χ^2/NDF:1297722.9/24

Right Out: 74.342+/-0.018 χ^2/NDF: 6128631.9/28

Left In: 58.138+/-0.010 χ^2/NDF:657460.3/22

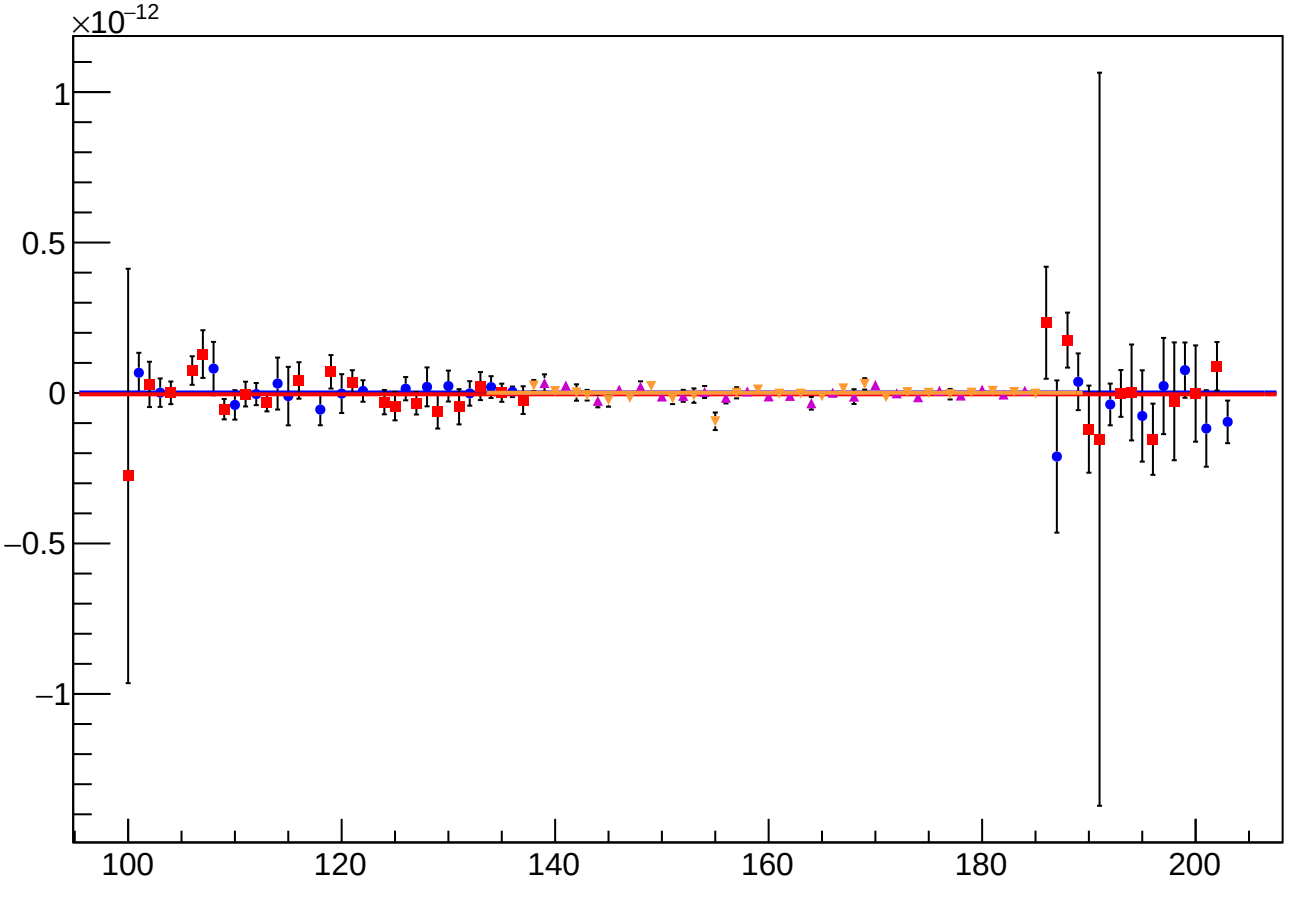
Left: 56.452+/-0.007 χ^2/NDF: 2004328.0/47

Right: 72.374+/-0.013 χ^2/NDF: 12013294.8/52

In: 61.322+/-0.009 χ^2/NDF:6872610.4/46

Out: 59.585+/-0.009 χ^2/NDF:8336068.5/53

All: 60.420+/-0.006 χ^2/NDF: 15227894.5/100



Right In: 0.000+/-0.000 χ^2/NDF: 9.4/23

Left Out: 0.000+/-0.000 χ^2/NDF:25.3/24

Right Out: -0.000+/-0.000 χ^2/NDF: 25.3/28

Left In: 0.000+/-0.000 χ^2/NDF:20.2/22

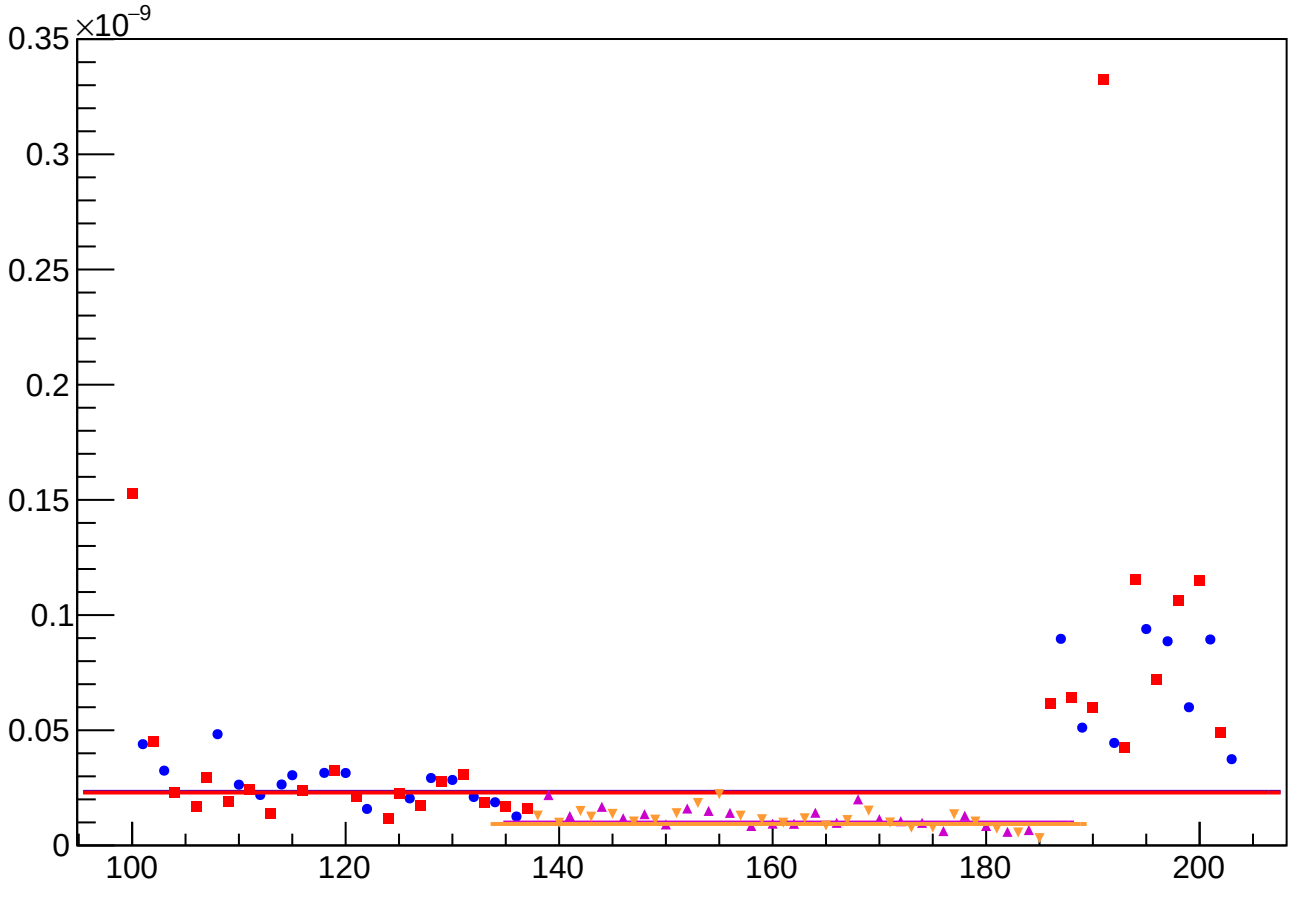
Left: 0.000+/-0.000 χ^2/NDF: 45.6/47

Right: -0.000+/-0.000 χ^2/NDF: 34.9/52

In: 0.000+/-0.000 χ^2/NDF:29.7/46

Out: 0.000+/-0.000 χ^2/NDF:50.9/53

All: 0.000+/-0.000 χ^2/NDF: 80.6/100



Right In: 0.000+/-0.000 χ^2/NDF: 3667504.6/23

Left Out: 0.000+/-0.000 χ^2/NDF:3070809.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 4103583.5/28

Left In: 0.000+/-0.000 χ^2/NDF:2573277.3/22

Left: 0.000+/-0.000 χ^2/NDF: 5690216.6/47

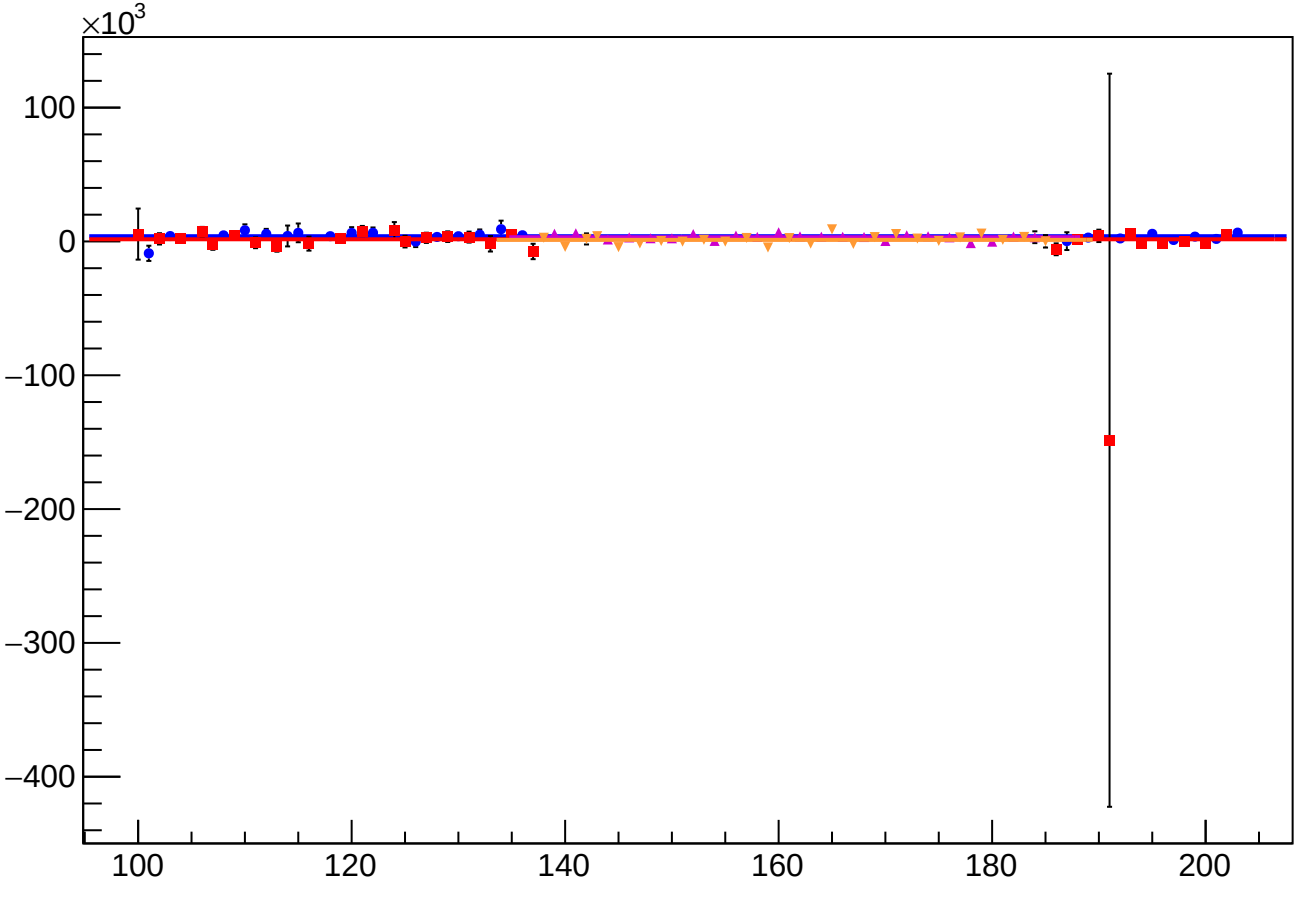
Right: 0.000+/-0.000 χ^2/NDF: 7771879.0/52

In: 0.000+/-0.000 χ^2/NDF:9600788.3/46

Out: 0.000+/-0.000 χ^2/NDF:10790843.6/53

All: 0.000+/-0.000 χ^2/NDF: 20457659.6/100

reg_asym_atr2_mean vs Slug, Sign Corrected



Right In: 3913.925+/-733.139 χ^2/NDF: 12.2/23

Left Out: 1188.836+/-556.242 χ^2/NDF:31.1/24

Right Out: 1617.361+/-701.503 χ^2/NDF: 25.5/28

Left In: 3147.419+/-569.221 χ^2/NDF:12.7/22

Left: 2145.543+/-397.832 χ^2/NDF: 49.9/47

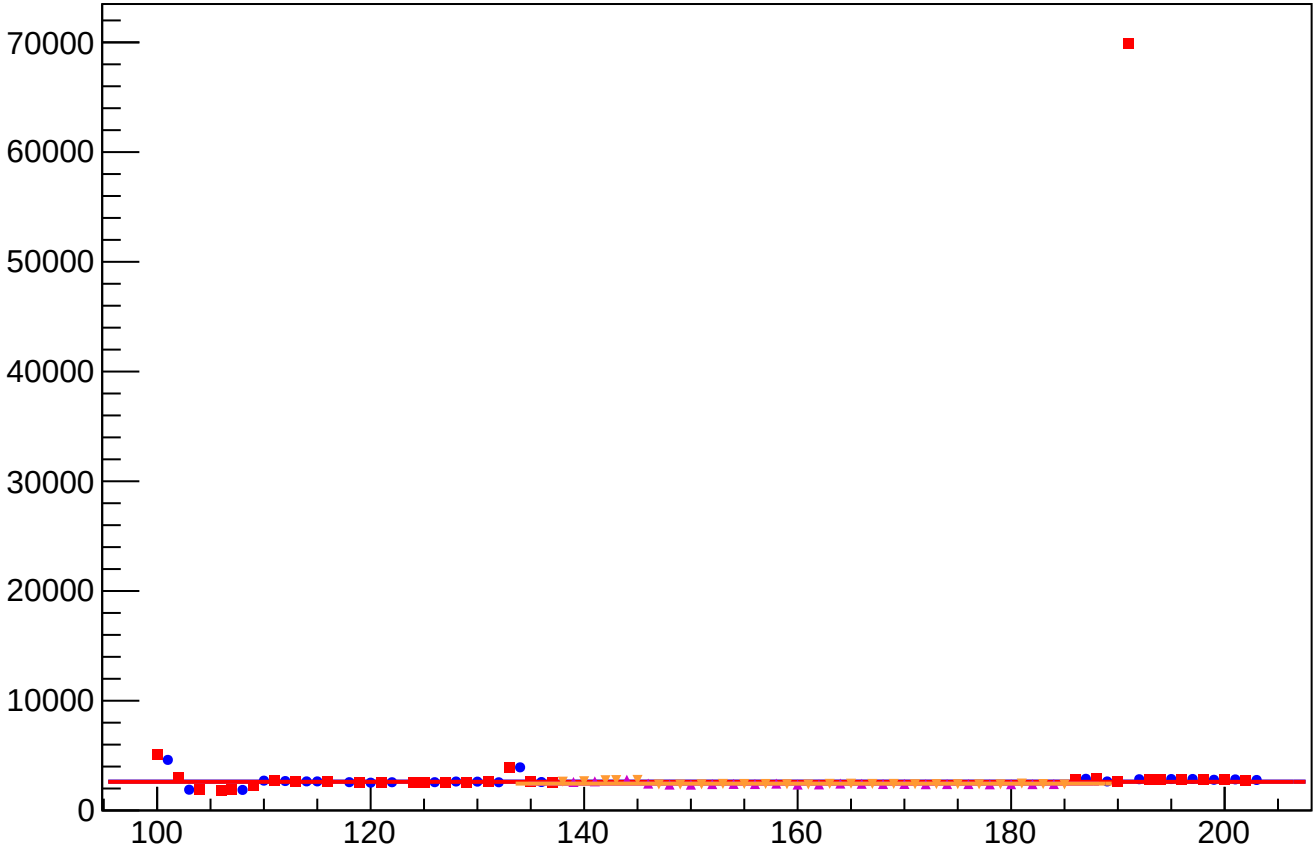
Right: 2715.024+/-506.853 χ^2/NDF: 42.8/52

In: 3435.703+/-449.613 χ^2/NDF:25.5/46

Out: 1354.258+/-435.851 χ^2/NDF:56.9/53

All: 2362.639+/-312.945 χ^2/NDF: 93.4/100

reg_asym_atr2_rms vs Slug, Sign Corrected



Right In: 2632.073+/-0.518 χ^2/NDF: 700884.4/23

Left Out: 2445.826+/-0.393 χ^2/NDF:90014.8/24

Right Out: 2608.094+/-0.496 χ^2/NDF: 726090.9/28

Left In: 2435.950+/-0.403 χ^2/NDF:59189.9/22

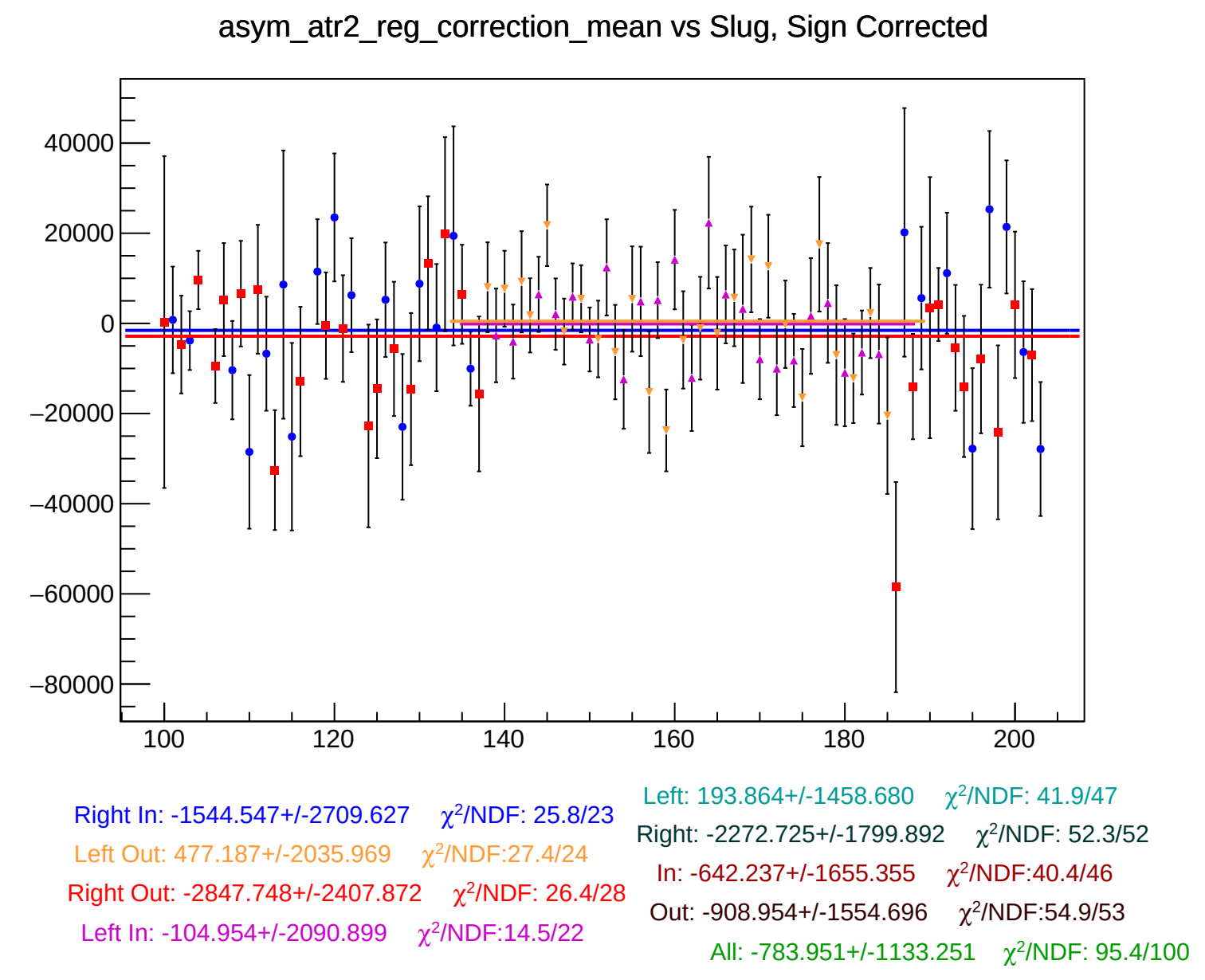
Left: 2441.002+/-0.281 χ^2/NDF: 149512.6/47

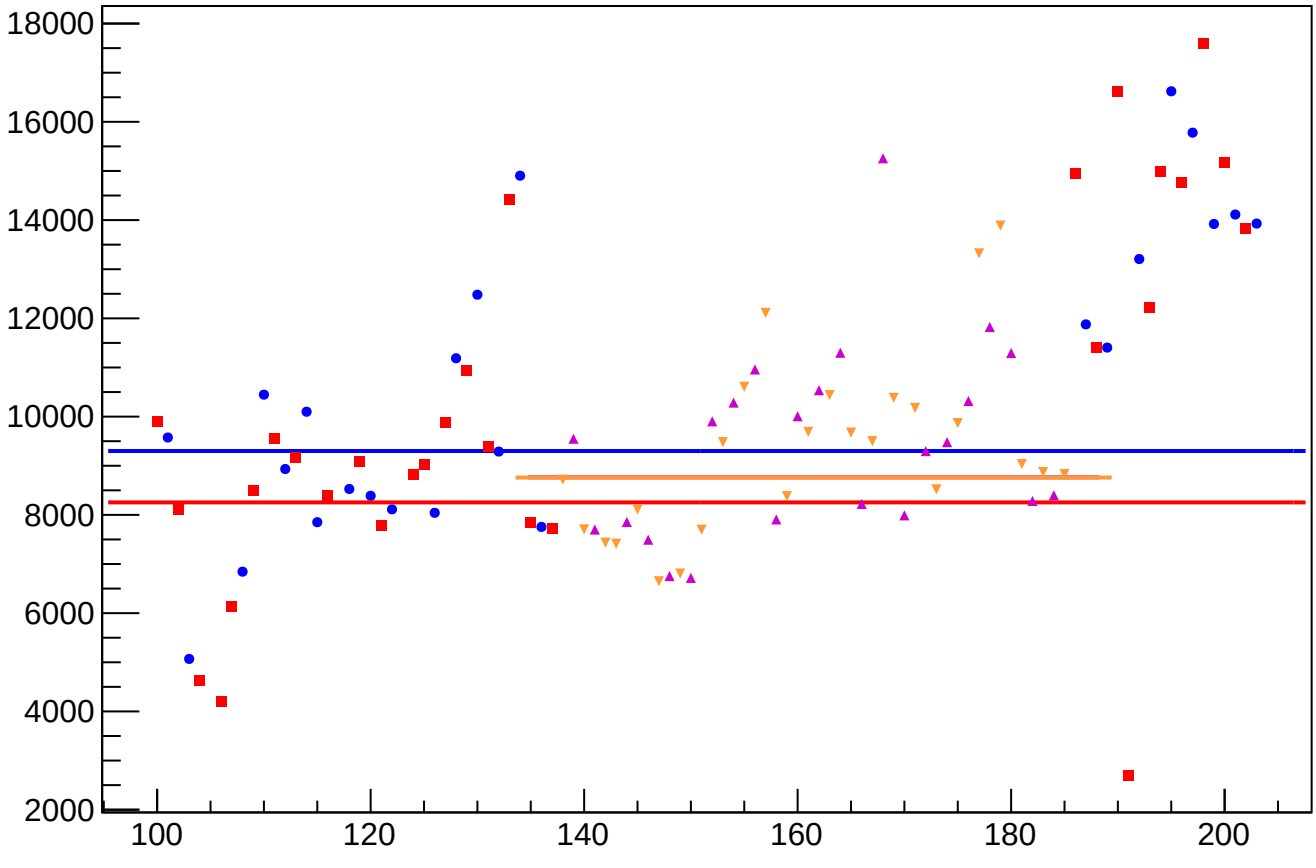
Right: 2619.555+/-0.358 χ^2/NDF: 1428092.3/52

In: 2509.712+/-0.318 χ^2/NDF:849369.4/46

Out: 2508.466+/-0.308 χ^2/NDF:881809.2/53

All: 2509.069+/-0.221 χ^2/NDF: 1731186.5/10


asym_atr2_reg_correction_mean vs Slug, Sign Corrected
40000
20000
0
−20000
−40000
−60000
−80000
100
120
140
160
180
200
Right In: -1544.547+/-2709.627 χ²/NDF: 25.8/23
Left Out: 477.187+/-2035.969 χ²/NDF:27.4/24
Right Out: -2847.748+/-2407.872 χ²/NDF: 26.4/28
Left In: -104.954+/-2090.899 χ²/NDF:14.5/22
Left: 193.864+/-1458.680 χ²/NDF: 41.9/47
Right: -2272.725+/-1799.892 χ²/NDF: 52.3/52
In: -642.237+/-1655.355 χ²/NDF:40.4/46
Out: -908.954+/-1554.696 χ²/NDF:54.9/53
All: -783.951+/-1133.251 χ²/NDF: 95.4/100



Right In: 9300.020+/-1.916 χ^2/NDF: 2706475.9/23

Left Out: 8759.635+/-1.440 χ^2/NDF:1222238.0/24

Right Out: 8254.456+/-1.703 χ^2/NDF: 4863892.4/28

Left In: 8764.138+/-1.478 χ^2/NDF:1291698.9/22

Left: 8761.827+/-1.031 χ^2/NDF: 2513941.7/47

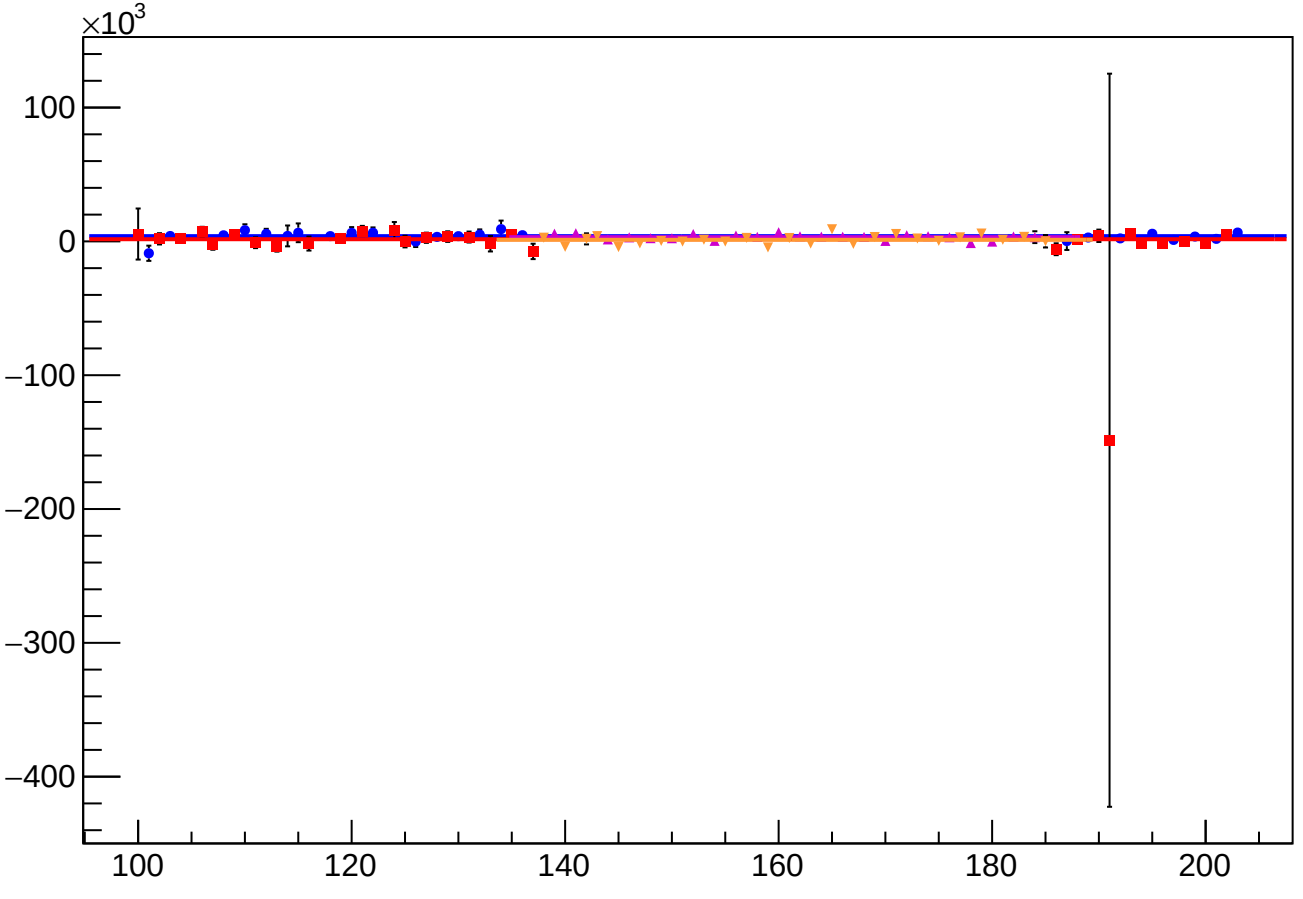
Right: 8715.798+/-1.273 χ^2/NDF: 7736763.1/52

In: 8964.139+/-1.171 χ^2/NDF:4047205.3/46

Out: 8549.029+/-1.099 χ^2/NDF:6137464.3/53

All: 8743.580+/-0.801 χ^2/NDF: 10251494.2/1

cor_asym_atr2_mean vs Slug, Sign Corrected



Right In: 3913.750+/-733.139 χ^2/NDF: 12.2/23

Left Out: 1188.666+/-556.242 χ^2/NDF:31.1/24

Right Out: 1617.722+/-701.506 χ^2/NDF: 25.5/28

Left In: 3147.222+/-569.221 χ^2/NDF:12.7/22

Left: 2145.360+/-397.832 χ^2/NDF: 49.9/47

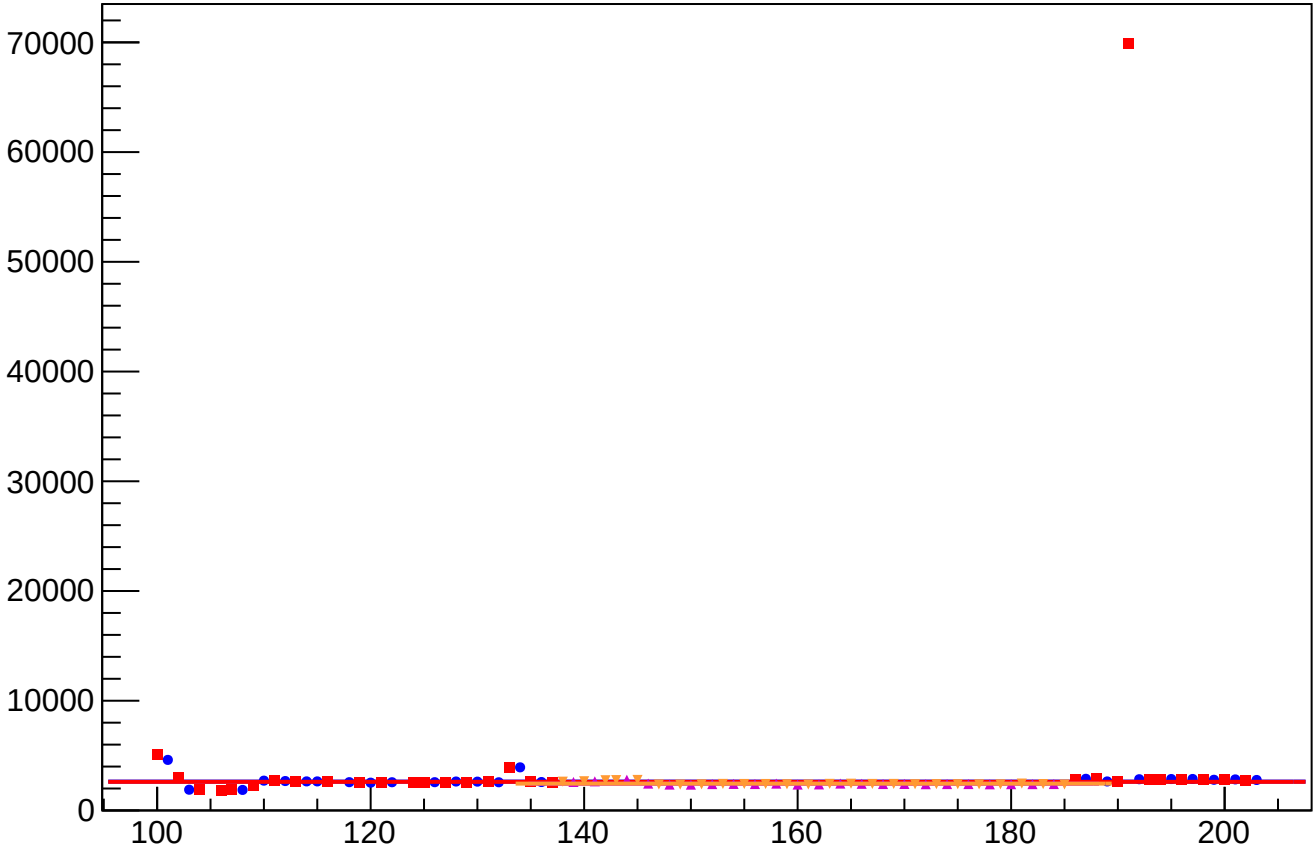
Right: 2715.135+/-506.854 χ^2/NDF: 42.8/52

In: 3435.514+/-449.613 χ^2/NDF:25.5/46

Out: 1354.292+/-435.852 χ^2/NDF:56.9/53

All: 2362.567+/-312.946 χ^2/NDF: 93.4/100

cor_asym_atr2_rms vs Slug, Sign Corrected



Right In: 2632.073+/-0.518 χ^2/NDF: 700881.6/23

Left Out: 2445.826+/-0.393 χ^2/NDF:90014.8/24

Right Out: 2608.109+/-0.496 χ^2/NDF: 726017.5/28

Left In: 2435.950+/-0.403 χ^2/NDF:59189.9/22

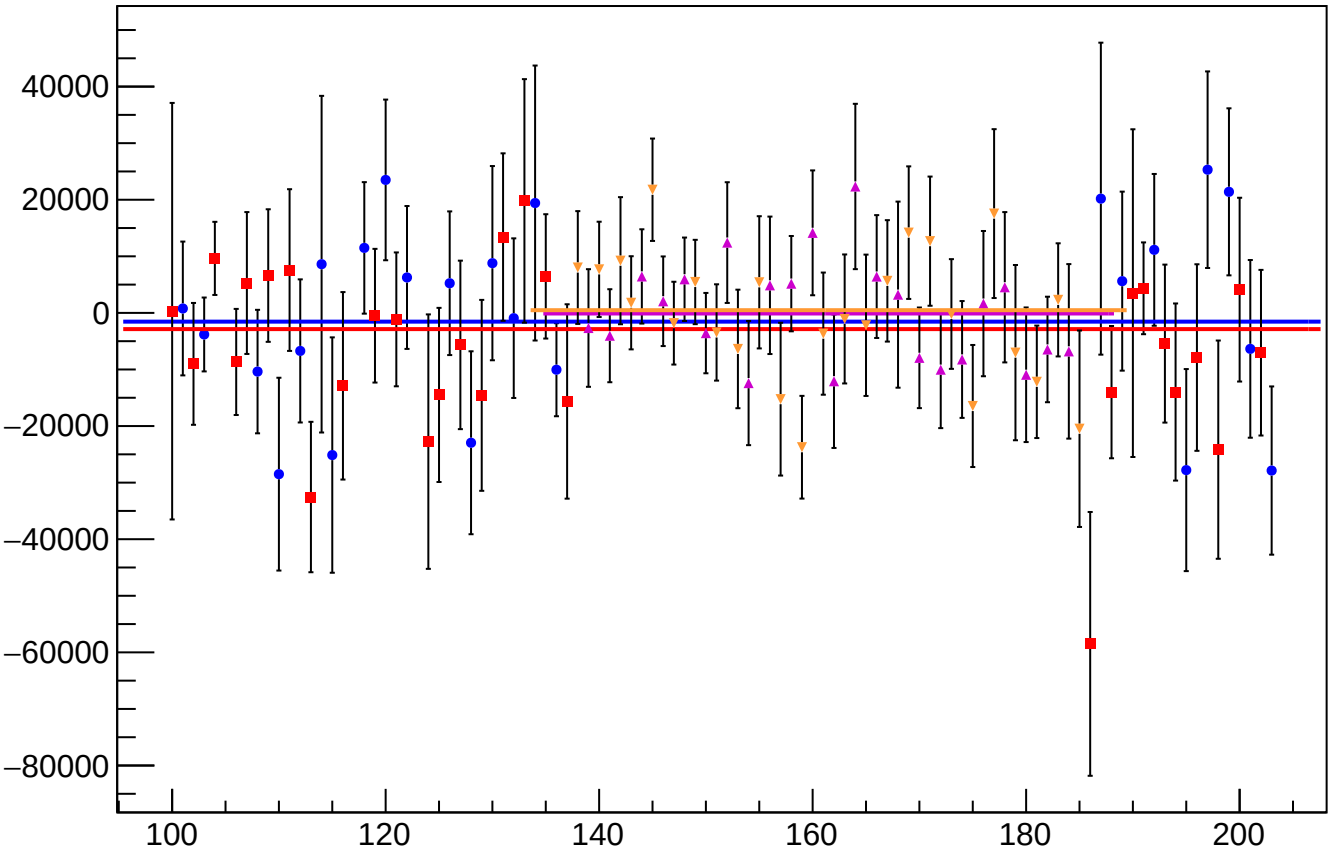
Left: 2441.002+/-0.281 χ^2/NDF: 149512.6/47

Right: 2619.563+/-0.358 χ^2/NDF: 1428014.6/52

In: 2509.712+/-0.318 χ^2/NDF:849367.1/46

Out: 2508.471+/-0.308 χ^2/NDF:881747.9/53

All: 2509.072+/-0.221 χ^2/NDF: 1731122.9/10



Right In: -1544.238+/-2709.687 χ^2/NDF: 25.8/23

Left Out: 477.198+/-2035.967 χ^2/NDF:27.4/24

Right Out: -2864.361+/-2432.348 χ^2/NDF: 26.5/28

Left In: -105.025+/-2090.897 χ^2/NDF:14.5/22

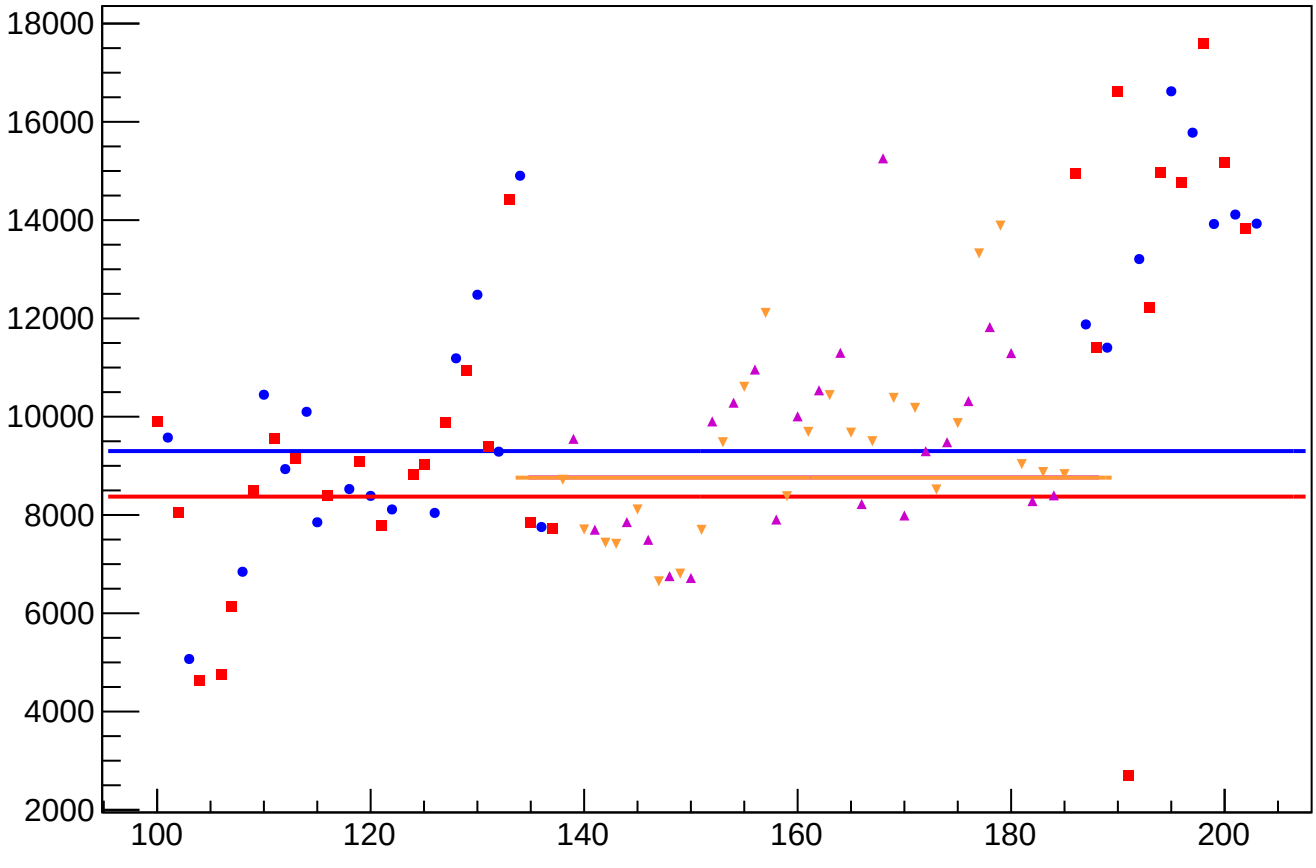
Left: 193.835+/-1458.679 χ^2/NDF: 41.9/47

Right: -2275.295+/-1810.065 χ^2/NDF: 52.4/52

In: -642.151+/-1655.368 χ^2/NDF:40.4/46

Out: -899.468+/-1561.225 χ^2/NDF:55.0/53

All: -778.334+/-1135.777 χ^2/NDF: 95.4/100



Right In: 9300.331+/-1.916 χ^2/NDF: 2705975.6/23

Left Out: 8759.625+/-1.440 χ^2/NDF:1222248.8/24

Right Out: 8373.820+/-1.720 χ^2/NDF: 4645121.0/28

Left In: 8764.132+/-1.478 χ^2/NDF:1291700.3/22

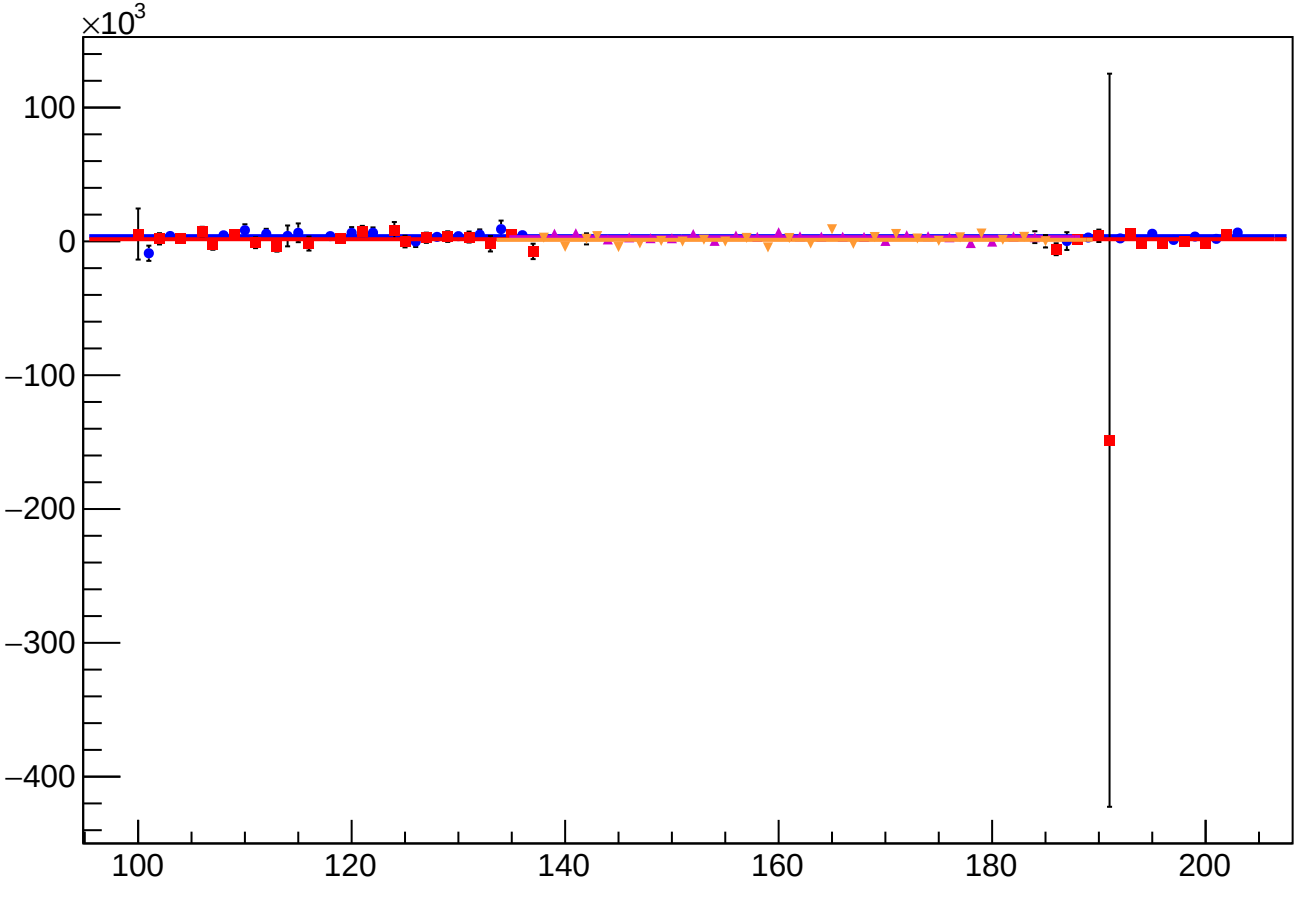
Left: 8761.819+/-1.031 χ^2/NDF: 2513953.9/47

Right: 8787.247+/-1.280 χ^2/NDF: 7480584.8/52

In: 8964.246+/-1.171 χ^2/NDF:4046762.9/46

Out: 8600.680+/-1.104 χ^2/NDF:5896957.1/53

All: 8771.831+/-0.803 χ^2/NDF: 9994777.9/10



Right In: 3913.750+/-733.139 χ^2/NDF: 12.2/23

Left Out: 1188.666+/-556.242 χ^2/NDF:31.1/24

Right Out: 1617.722+/-701.506 χ^2/NDF: 25.5/28

Left In: 3147.222+/-569.221 χ^2/NDF:12.7/22

Left: 2145.360+/-397.832 χ^2/NDF: 49.9/47

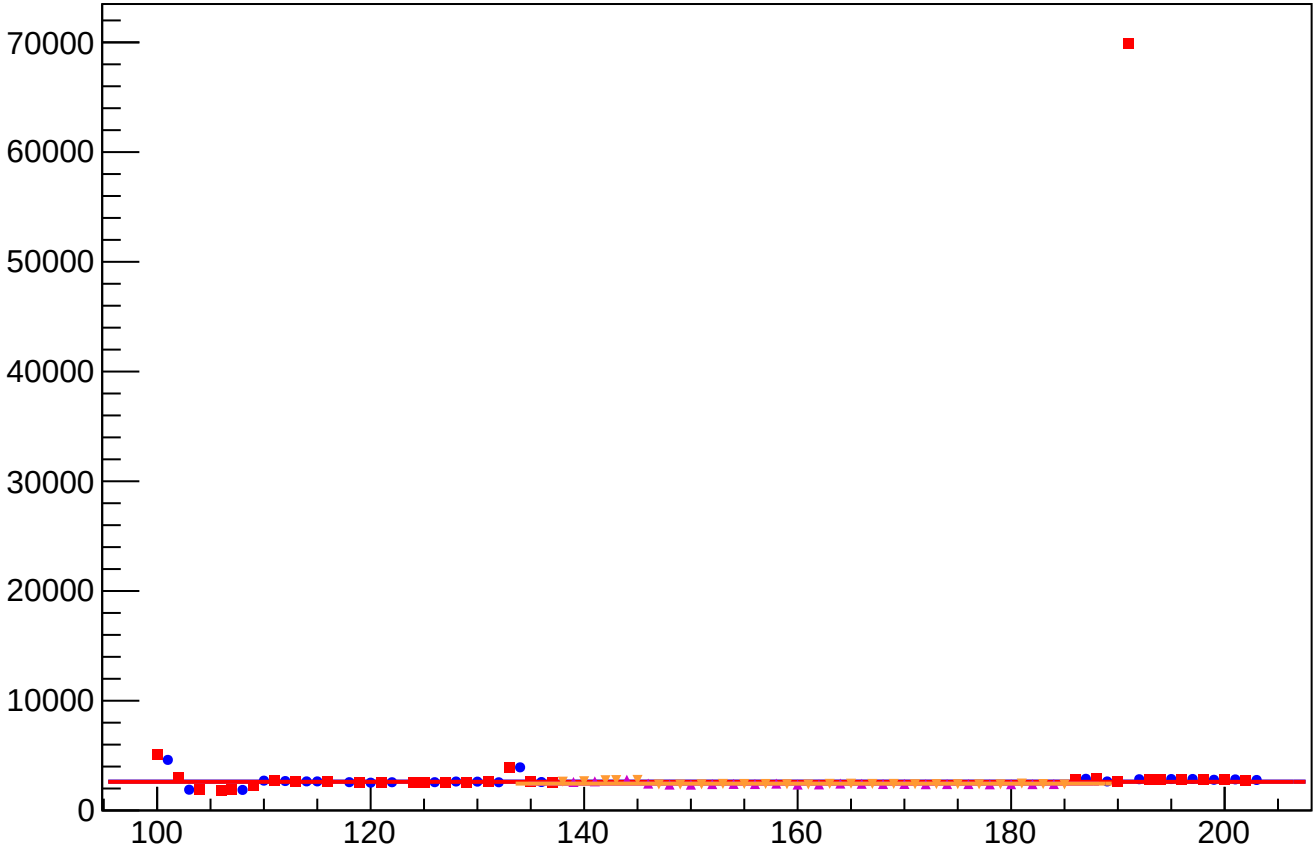
Right: 2715.135+/-506.854 χ^2/NDF: 42.8/52

In: 3435.514+/-449.613 χ^2/NDF:25.5/46

Out: 1354.292+/-435.852 χ^2/NDF:56.9/53

All: 2362.567+/-312.946 χ^2/NDF: 93.4/100

eigen_cor_asym_atr2_rms vs Slug, Sign Corrected



Right In: 2632.073+/-0.518 χ^2/NDF: 700881.6/23

Left Out: 2445.826+/-0.393 χ^2/NDF:90014.8/24

Right Out: 2608.109+/-0.496 χ^2/NDF: 726017.5/28

Left In: 2435.950+/-0.403 χ^2/NDF:59189.9/22

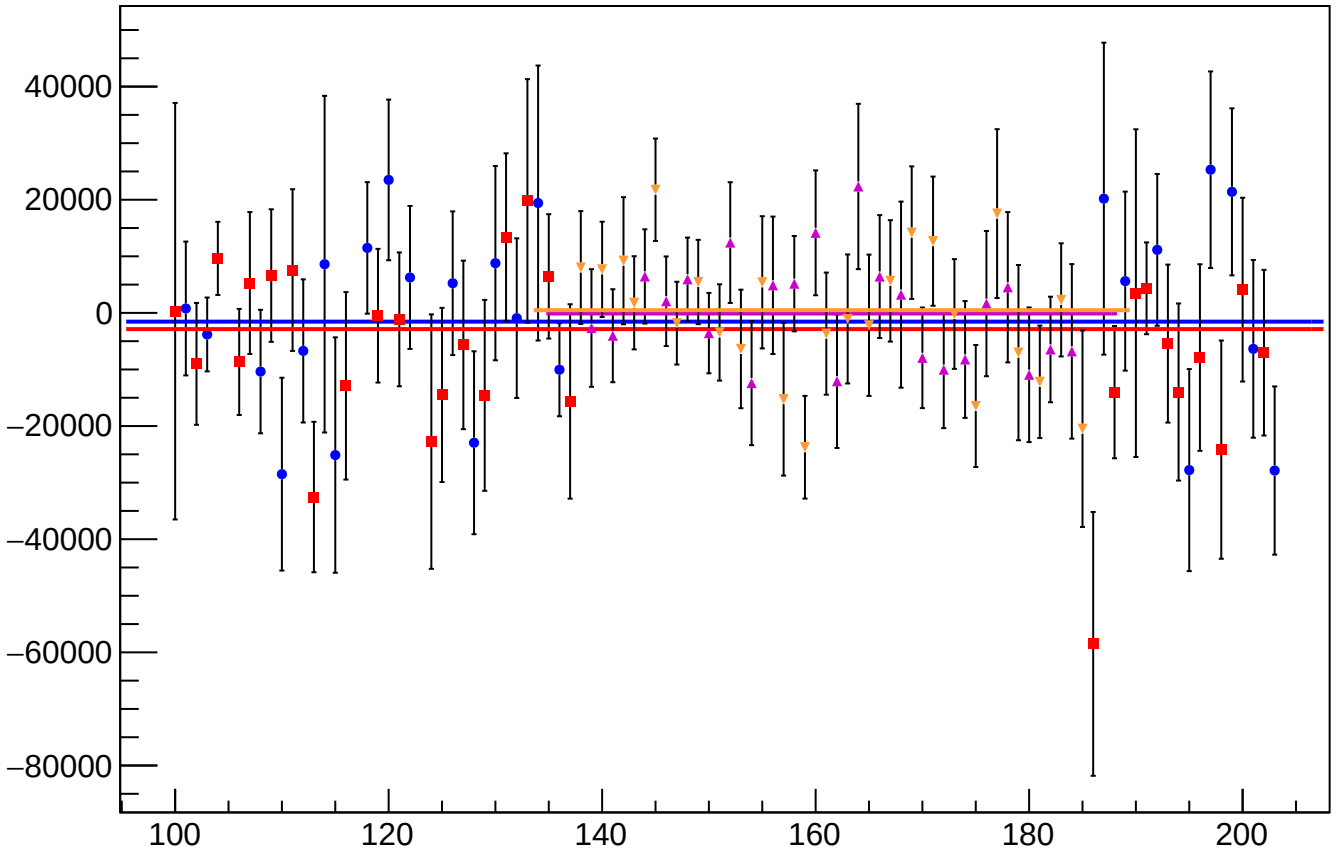
Left: 2441.002+/-0.281 χ^2/NDF: 149512.6/47

Right: 2619.563+/-0.358 χ^2/NDF: 1428014.6/52

In: 2509.712+/-0.318 χ^2/NDF:849367.1/46

Out: 2508.471+/-0.308 χ^2/NDF:881747.9/53

All: 2509.072+/-0.221 χ^2/NDF: 1731122.9/10



Right In: -1544.238+/-2709.687 χ^2/NDF: 25.8/23

Left Out: 477.198+/-2035.967 χ^2/NDF:27.4/24

Right Out: -2864.361+/-2432.348 χ^2/NDF: 26.5/28

Left In: -105.025+/-2090.897 χ^2/NDF:14.5/22

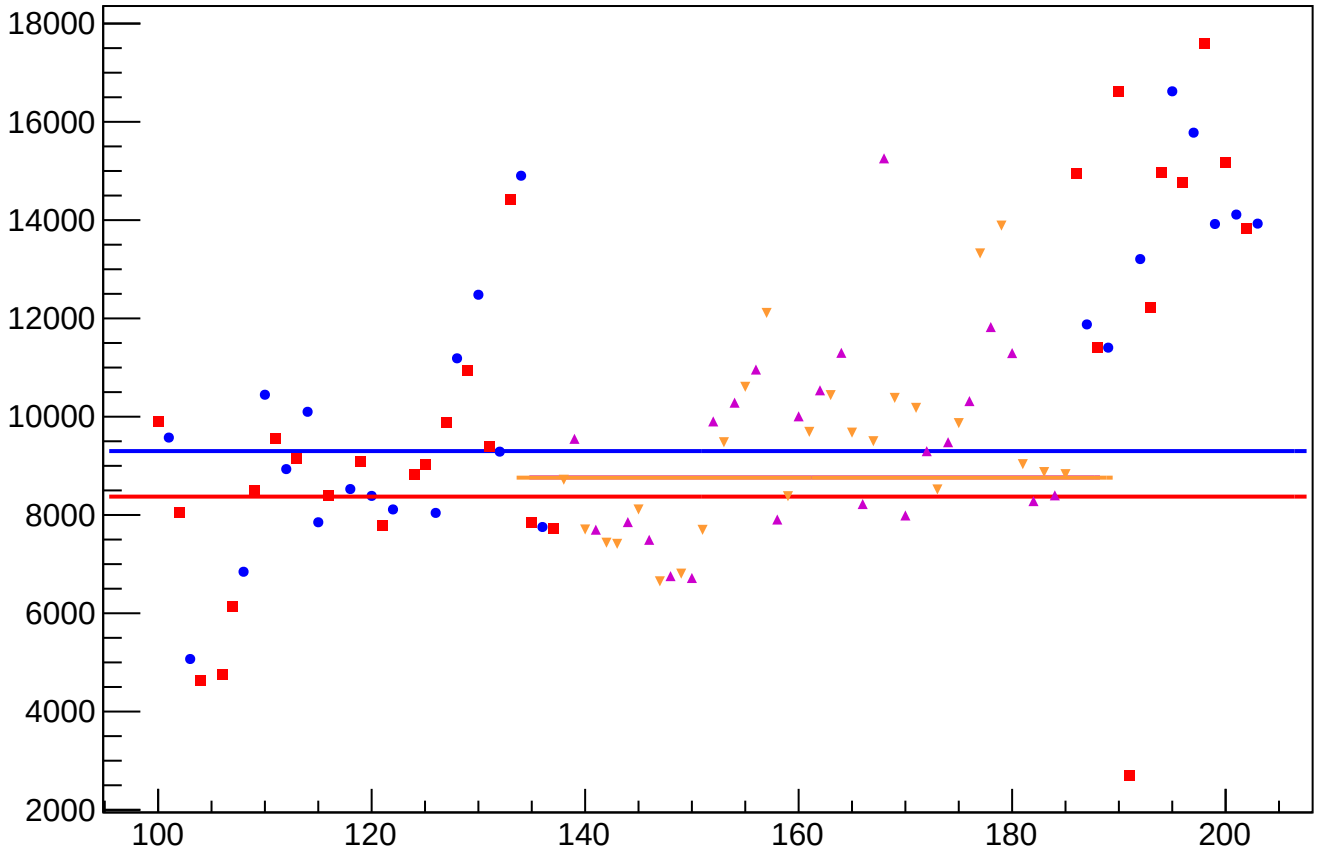
Left: 193.835+/-1458.679 χ^2/NDF: 41.9/47

Right: -2275.295+/-1810.065 χ^2/NDF: 52.4/52

In: -642.151+/-1655.368 χ^2/NDF:40.4/46

Out: -899.468+/-1561.225 χ^2/NDF:55.0/53

All: -778.334+/-1135.777 χ^2/NDF: 95.4/100



Right In: 9300.331+/-1.916 χ^2/NDF: 2705975.6/23

Left Out: 8759.625+/-1.440 χ^2/NDF:1222248.8/24

Right Out: 8373.820+/-1.720 χ^2/NDF: 4645121.0/28

Left In: 8764.132+/-1.478 χ^2/NDF:1291700.3/22

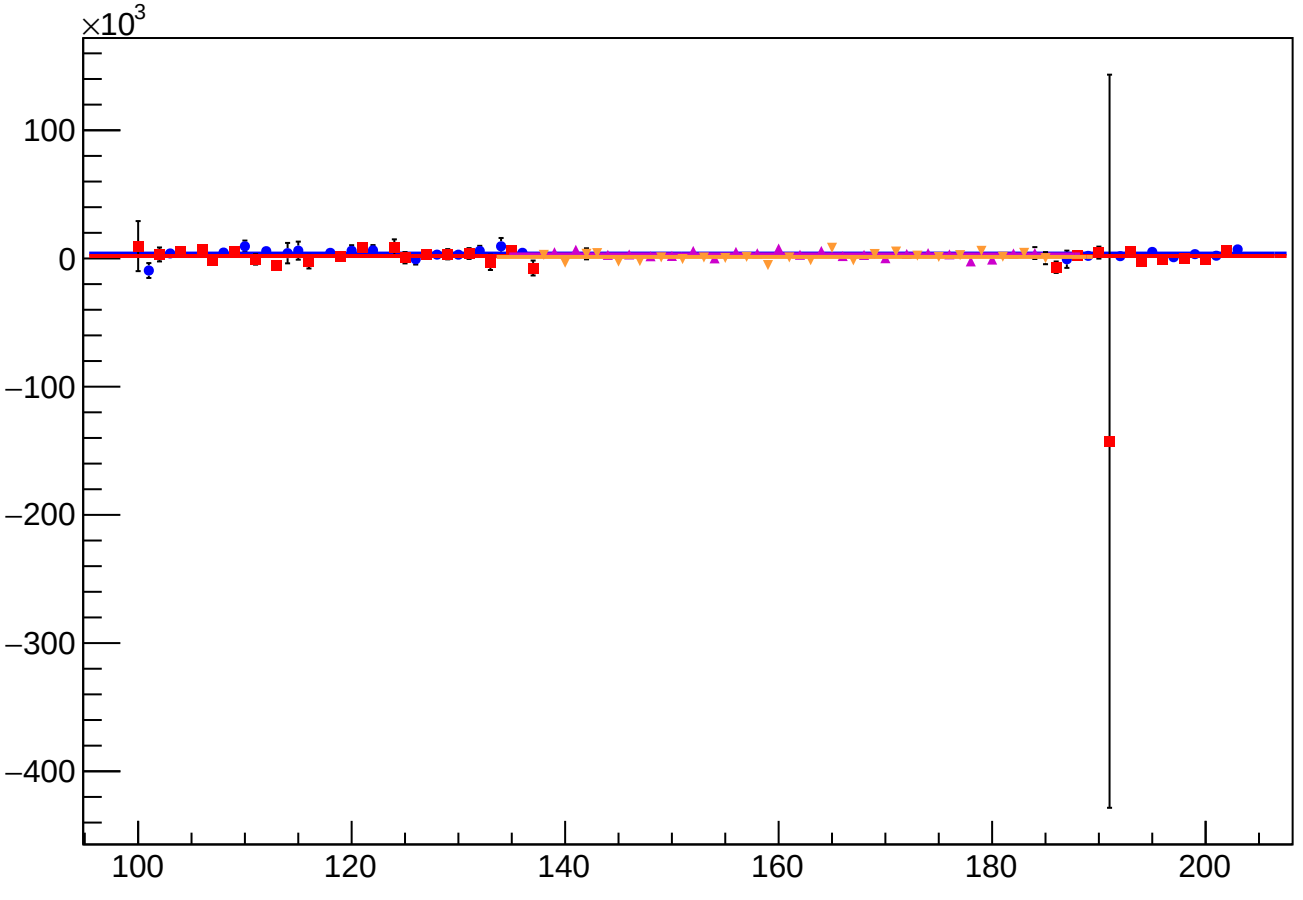
Left: 8761.819+/-1.031 χ^2/NDF: 2513953.9/47

Right: 8787.247+/-1.280 χ^2/NDF: 7480584.8/52

In: 8964.246+/-1.171 χ^2/NDF:4046762.9/46

Out: 8600.680+/-1.104 χ^2/NDF:5896957.1/53

All: 8771.831+/-0.803 χ^2/NDF: 9994777.9/10



Right In: 3817.696+/-757.866 χ^2/NDF: 13.8/23

Left Out: 1213.875+/-579.693 χ^2/NDF:26.8/24

Right Out: 1917.919+/-727.163 χ^2/NDF: 29.5/28

Left In: 3150.265+/-592.116 χ^2/NDF:16.5/22

Left: 2161.543+/-414.227 χ^2/NDF: 48.7/47

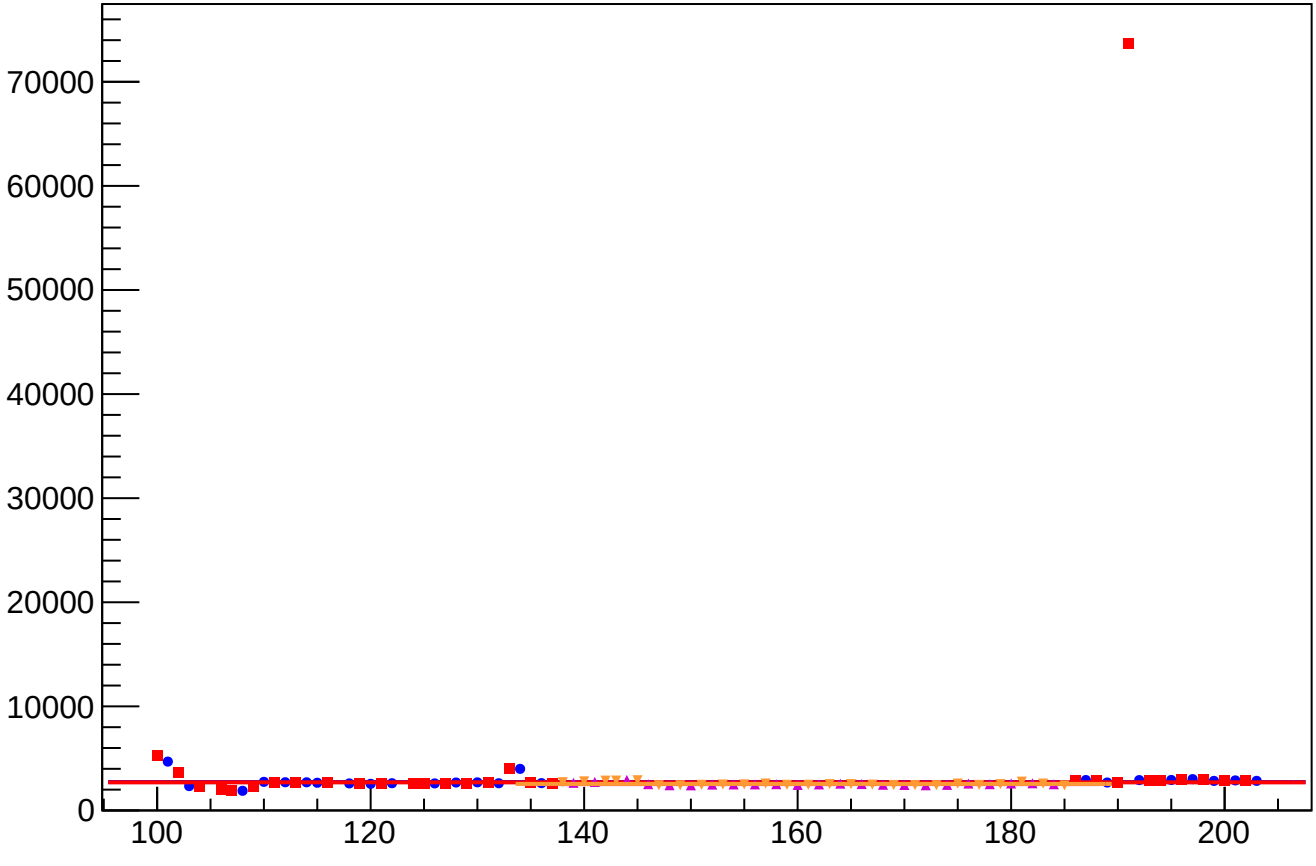
Right: 2828.546+/-524.700 χ^2/NDF: 46.6/52

In: 3403.251+/-466.592 χ^2/NDF:30.7/46

Out: 1487.450+/-453.283 χ^2/NDF:56.9/53

All: 2417.638+/-325.123 χ^2/NDF: 96.3/100

dit_asym_atr2_rms vs Slug, Sign Corrected



Right In: 2728.096+/-0.536 χ^2/NDF: 552640.3/23

Left Out: 2547.154+/-0.410 χ^2/NDF:117298.5/24

Right Out: 2702.803+/-0.514 χ^2/NDF: 632515.2/28

Left In: 2532.772+/-0.419 χ^2/NDF:68441.1/22

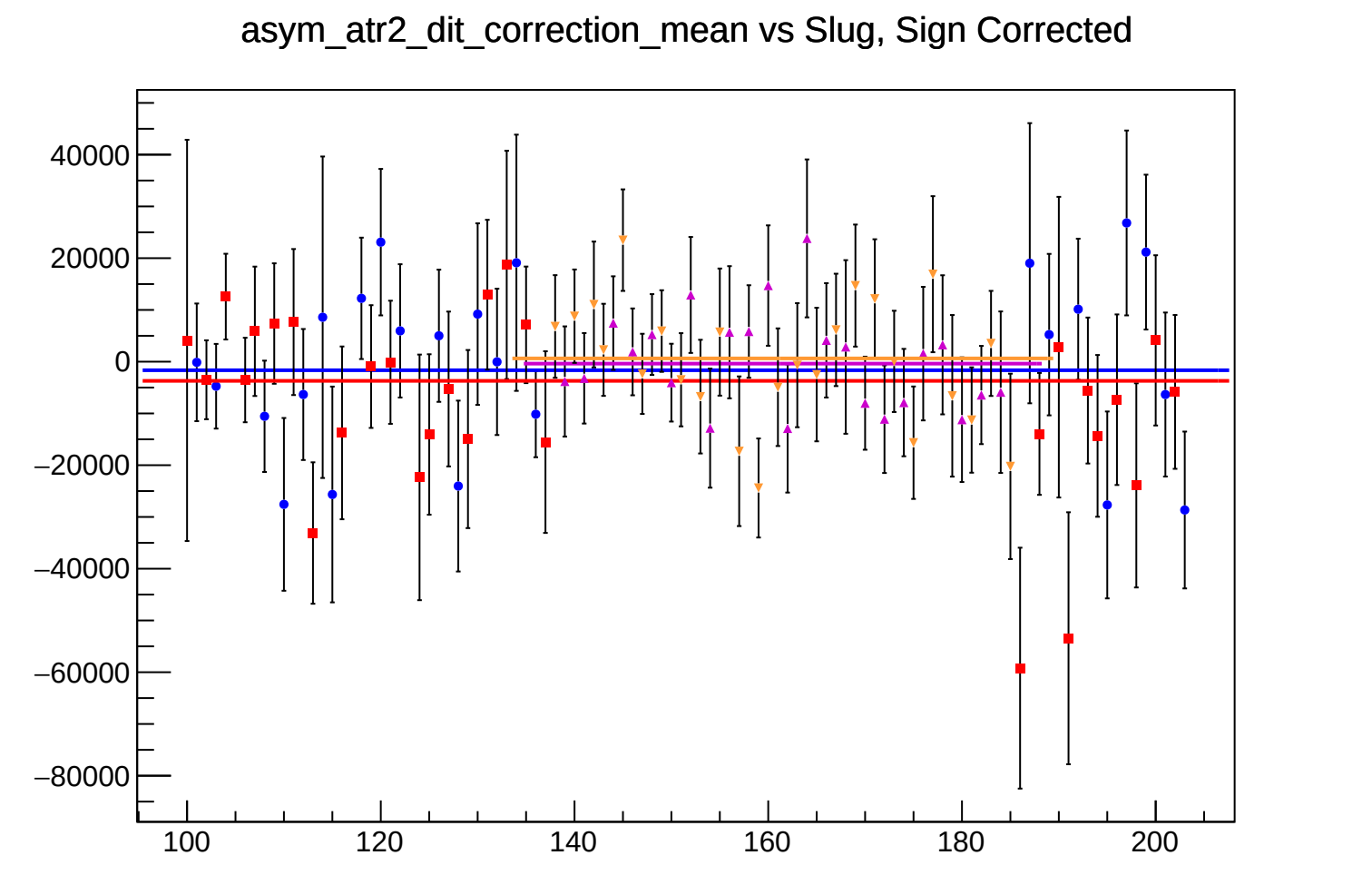
Left: 2540.116+/-0.293 χ^2/NDF: 186342.1/47

Right: 2714.923+/-0.371 χ^2/NDF: 1186315.7/52

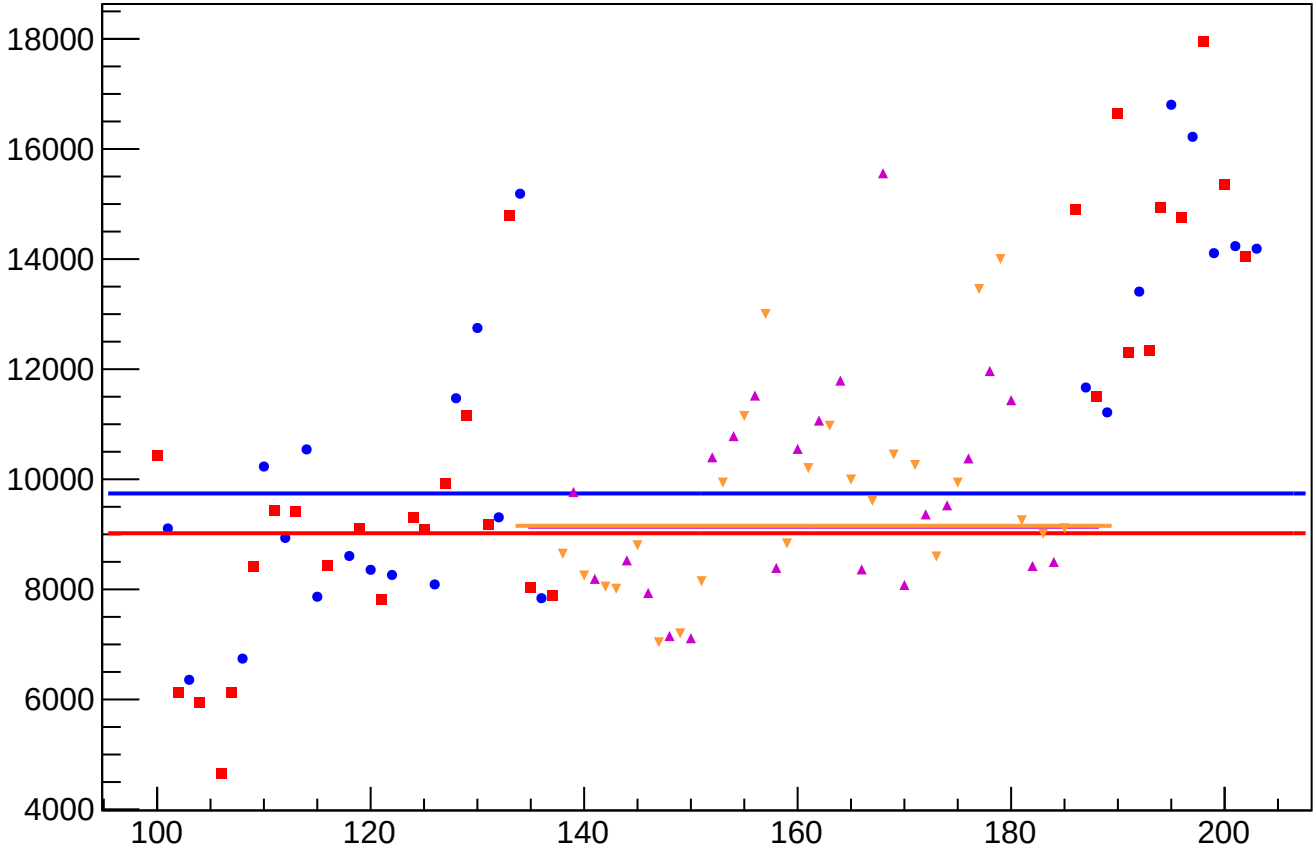
In: 2606.809+/-0.330 χ^2/NDF:703574.7/46

Out: 2607.660+/-0.320 χ^2/NDF:805863.7/53

All: 2607.247+/-0.230 χ^2/NDF: 1509441.8/10


asym_atr2_dit_correction_mean vs Slug, Sign Corrected
40000
20000
0
−20000
−40000
−60000
−80000
100
120
140
160
180
200
Right In: -1651.928+/-2807.987 χ²/NDF: 25.6/23
Left Out: 631.360+/-2123.101 χ²/NDF:26.7/24
Right Out: -3704.845+/-2526.268 χ²/NDF: 28.9/28
Left In: -377.922+/-2176.347 χ²/NDF:14.2/22
Left: 139.216+/-1519.735 χ²/NDF: 41.0/47
Right: -2786.506+/-1878.066 χ²/NDF: 54.8/52
In: -856.028+/-1720.171 χ²/NDF:40.0/46
Out: -1163.538+/-1625.340 χ²/NDF:57.3/53
All: -1018.492+/-1181.392 χ²/NDF: 97.3/100

asym_atr2_dit_correction_rms vs Slug, Sign Corrected



Right In: 9742.289+/-1.986 χ^2/NDF: 2158983.4/23

Left Out: 9154.688+/-1.501 χ^2/NDF:1072073.9/24

Right Out: 9019.841+/-1.786 χ^2/NDF: 3444622.7/28

Left In: 9137.576+/-1.539 χ^2/NDF:1172792.2/22

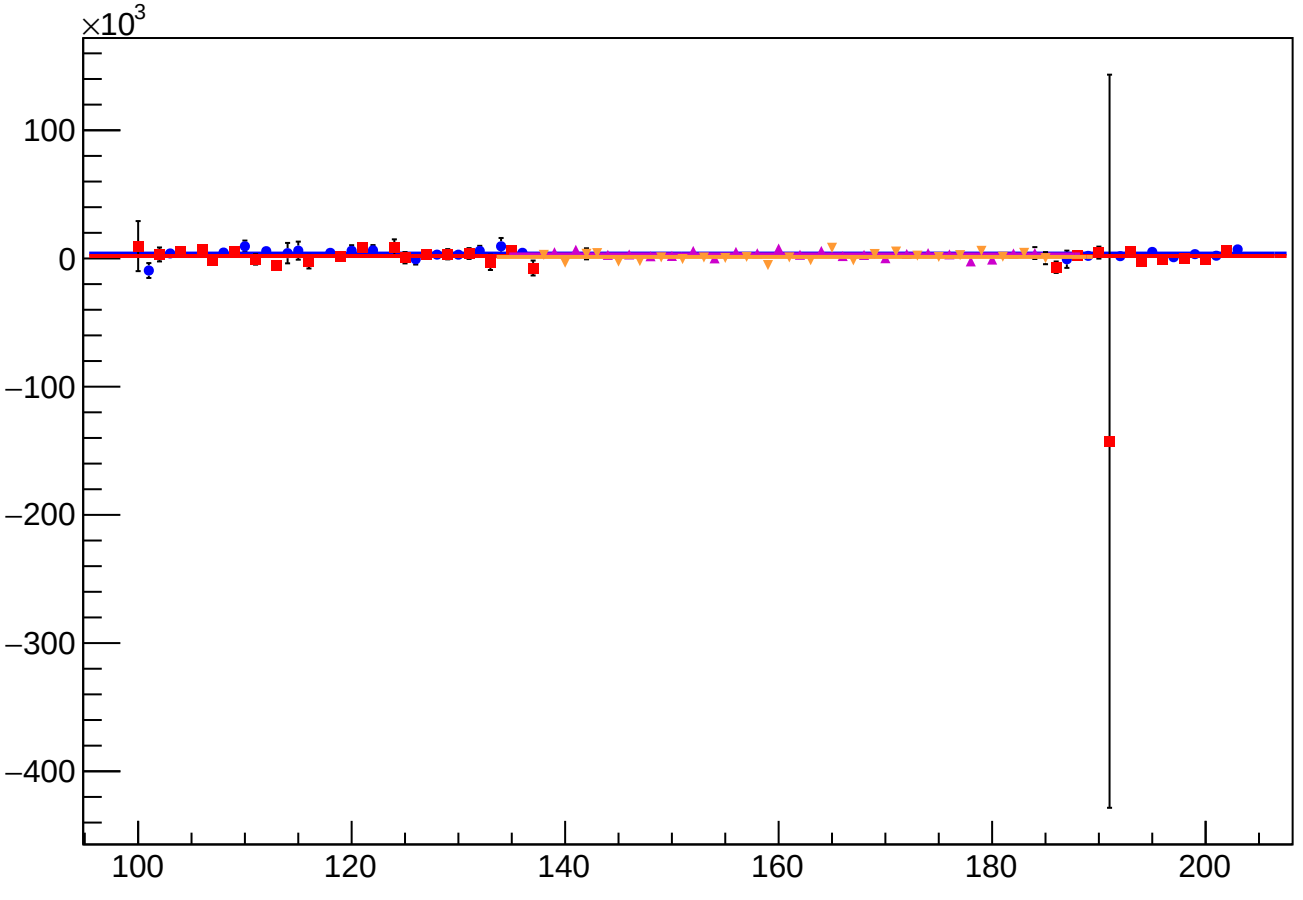
Left: 9146.344+/-1.075 χ^2/NDF: 2244929.5/47

Right: 9343.016+/-1.328 χ^2/NDF: 5676773.1/52

In: 9364.511+/-1.216 χ^2/NDF:3389721.8/46

Out: 9098.871+/-1.149 χ^2/NDF:4520036.3/53

All: 9224.167+/-0.835 χ^2/NDF: 7934956.6/10



Right In: 3817.695+/-757.866 χ^2/NDF: 13.8/23

Left Out: 1213.864+/-579.693 χ^2/NDF:26.8/24

Right Out: 1917.922+/-727.163 χ^2/NDF: 29.5/28

Left In: 3150.264+/-592.117 χ^2/NDF:16.5/22

Left: 2161.537+/-414.228 χ^2/NDF: 48.7/47

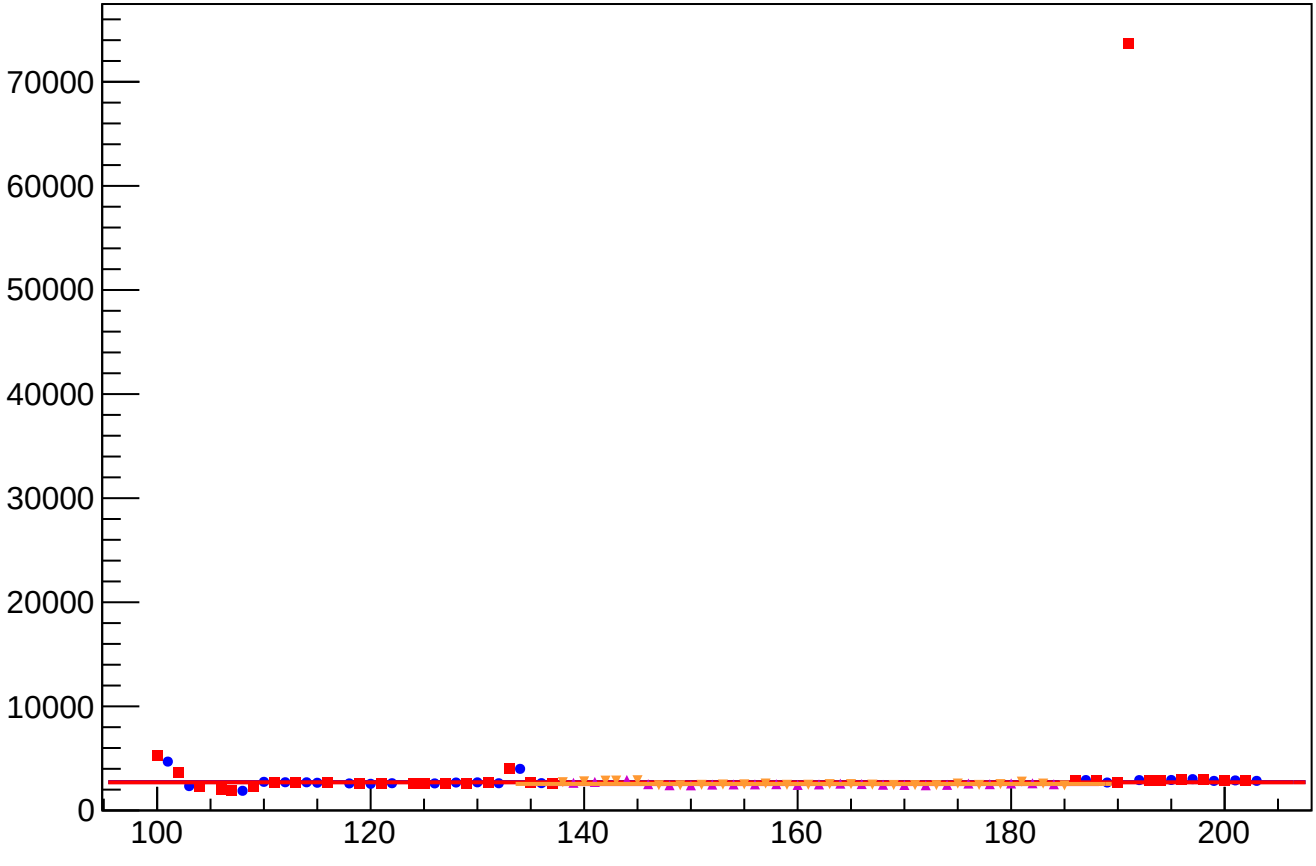
Right: 2828.548+/-524.700 χ^2/NDF: 46.6/52

In: 3403.251+/-466.592 χ^2/NDF:30.7/46

Out: 1487.444+/-453.283 χ^2/NDF:56.9/53

All: 2417.635+/-325.123 χ^2/NDF: 96.3/100

eigen_dit_asym_atr2_rms vs Slug, Sign Corrected



Right In: 2728.096+/-0.536 χ^2/NDF: 552641.0/23

Left Out: 2547.156+/-0.410 χ^2/NDF:117298.5/24

Right Out: 2702.803+/-0.514 χ^2/NDF: 632515.1/28

Left In: 2532.774+/-0.419 χ^2/NDF:68440.8/22

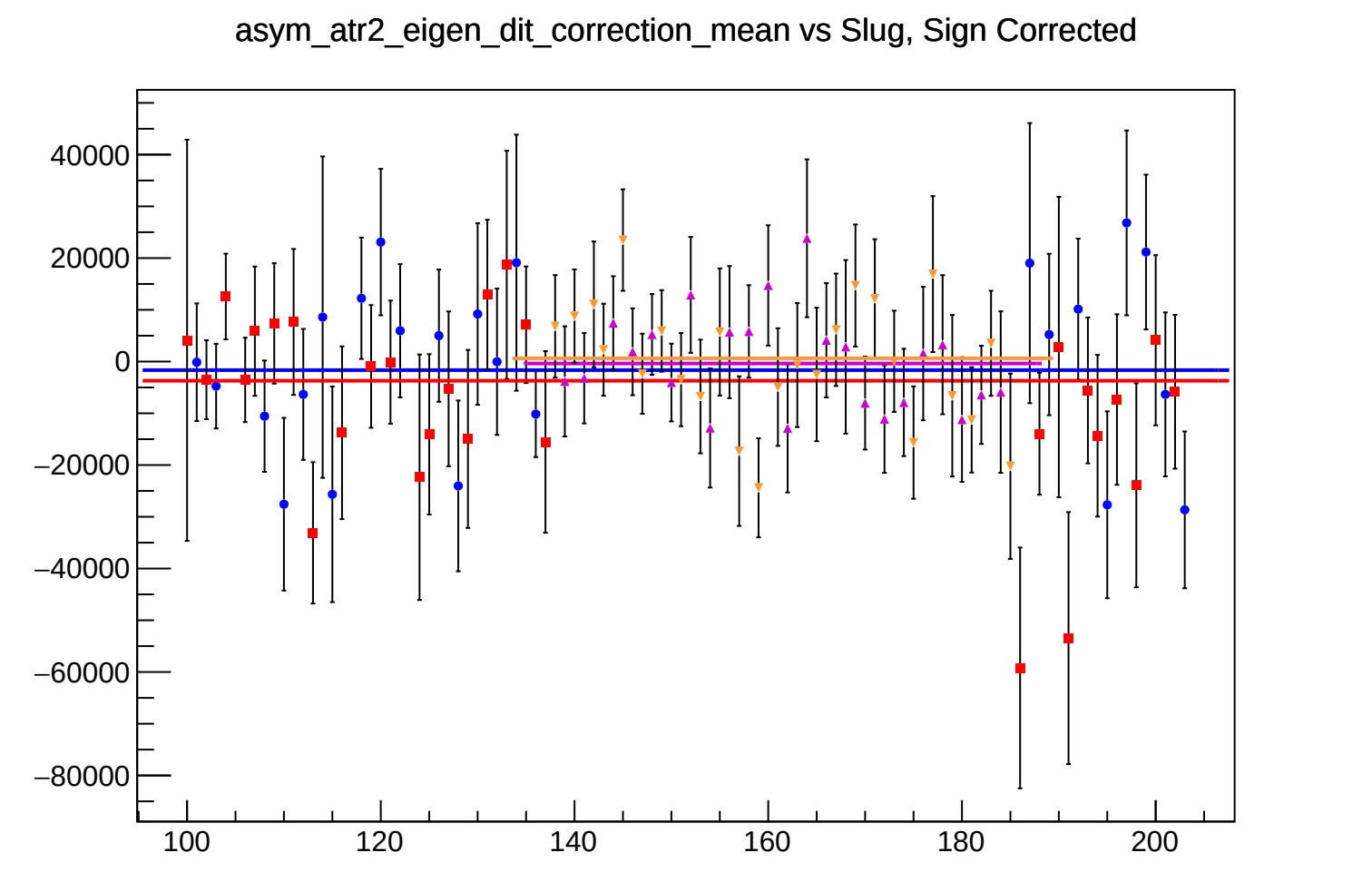
Left: 2540.117+/-0.293 χ^2/NDF: 186341.7/47

Right: 2714.922+/-0.371 χ^2/NDF: 1186316.3/52

In: 2606.810+/-0.330 χ^2/NDF:703573.1/46

Out: 2607.661+/-0.320 χ^2/NDF:805862.5/53

All: 2607.248+/-0.230 χ^2/NDF: 1509439.0/10



Right In: -1651.904+/-2807.985 χ^2/NDF: 25.6/23

Left Out: 631.356+/-2123.104 χ^2/NDF:26.7/24

Right Out: -3704.834+/-2526.265 χ^2/NDF: 28.9/28

Left In: -377.927+/-2176.350 χ^2/NDF:14.2/22

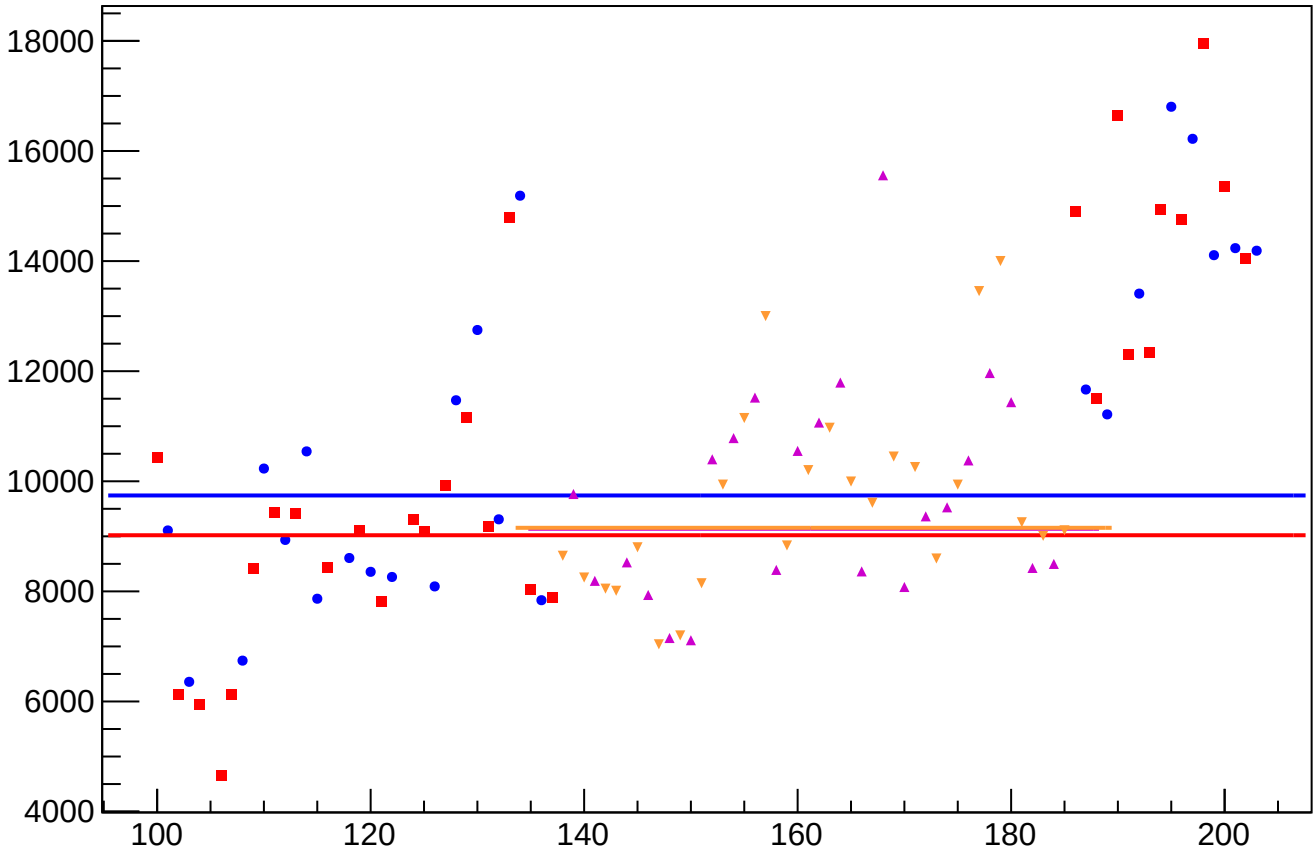
Left: 139.212+/-1519.737 χ^2/NDF: 41.0/47

Right: -2786.490+/-1878.064 χ^2/NDF: 54.8/52

In: -856.024+/-1720.172 χ^2/NDF:40.0/46

Out: -1163.541+/-1625.341 χ^2/NDF:57.3/53

All: -1018.492+/-1181.393 χ^2/NDF: 97.3/100



Right In: 9742.281+/-1.986 χ^2/NDF: 2158992.1/23

Left Out: 9154.703+/-1.501 χ^2/NDF:1072075.9/24

Right Out: 9019.830+/-1.786 χ^2/NDF: 3444634.5/28

Left In: 9137.590+/-1.539 χ^2/NDF:1172796.0/22

Left: 9146.358+/-1.075 χ^2/NDF: 2244935.3/47

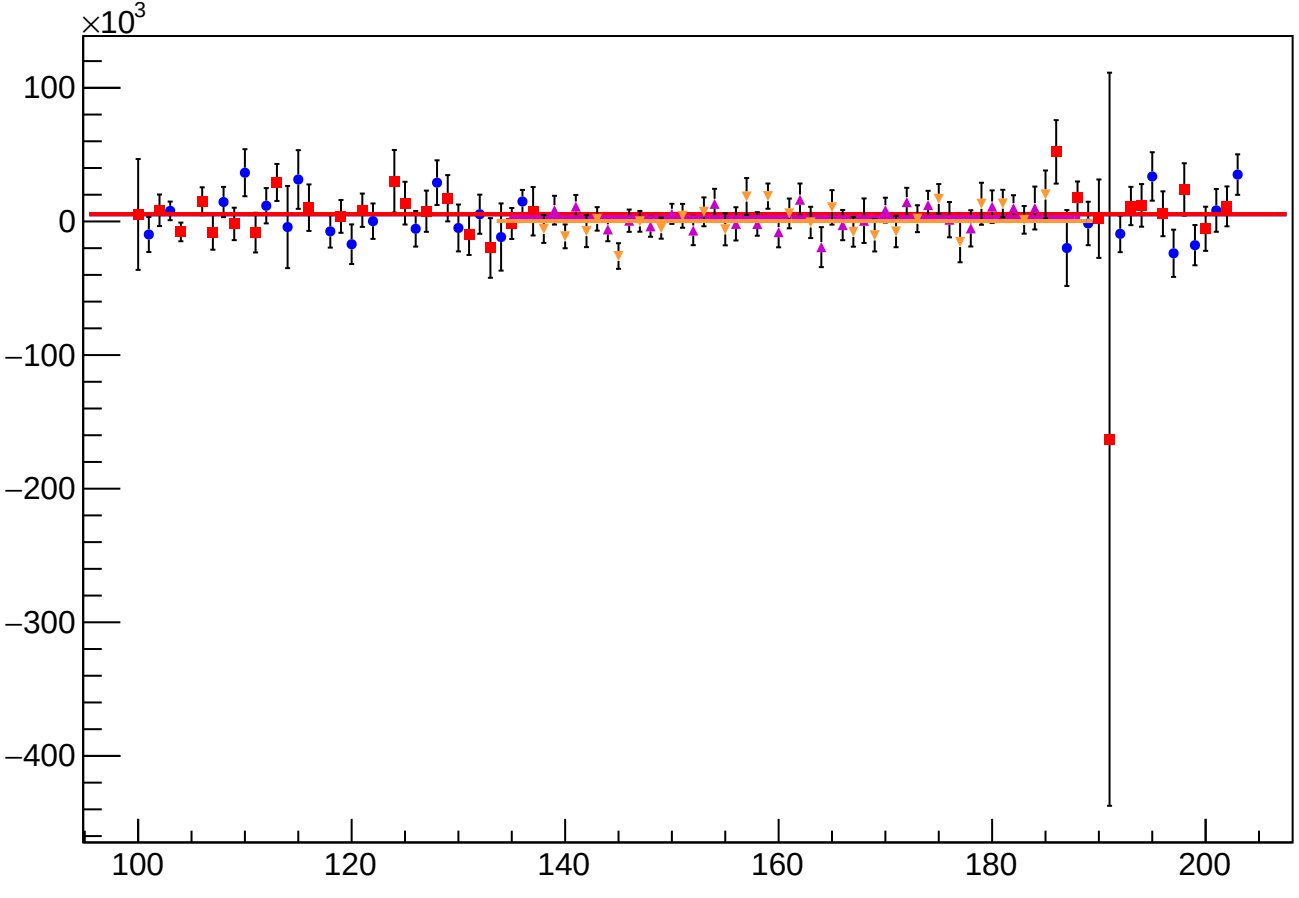
Right: 9343.006+/-1.328 χ^2/NDF: 5676794.4/52

In: 9364.518+/-1.216 χ^2/NDF:3389730.0/46

Out: 9098.874+/-1.149 χ^2/NDF:4520051.3/53

All: 9224.172+/-0.835 χ^2/NDF: 7934980.4/10

asym_atr2_mean vs Slug, Sign Corrected



Right In: 5253.185+/-2834.057 χ^2/NDF: 28.7/23

Left Out: 295.038+/-2125.383 χ^2/NDF:26.3/24

Right Out: 5537.626+/-2681.330 χ^2/NDF: 21.6/28

Left In: 3233.667+/-2179.845 χ^2/NDF:13.6/22

Left: 1727.184+/-1521.763 χ^2/NDF: 40.8/47

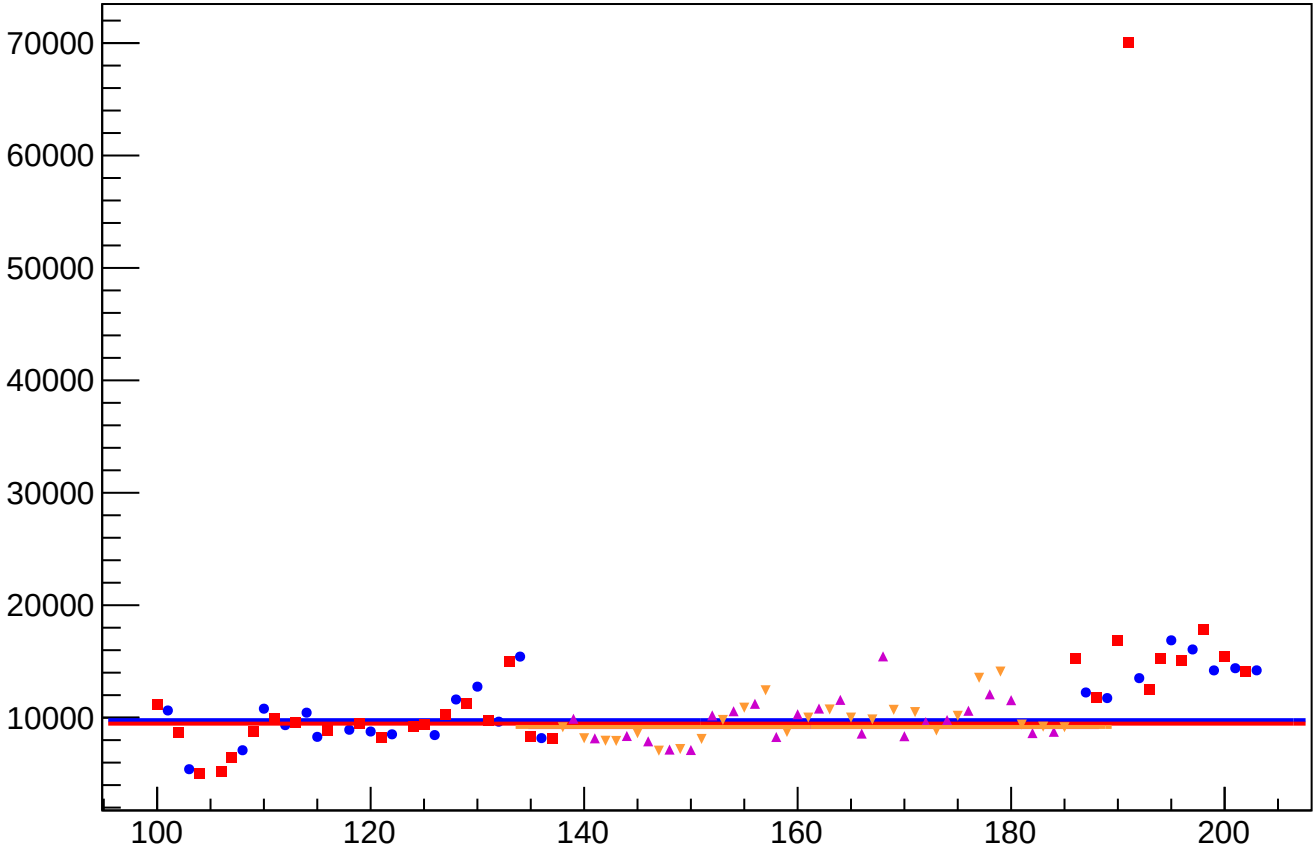
Right: 5403.276+/-1947.742 χ^2/NDF: 50.3/52

In: 3984.331+/-1727.856 χ^2/NDF:42.6/46

Out: 2317.976+/-1665.592 χ^2/NDF:50.2/53

All: 3120.589+/-1199.159 χ^2/NDF: 93.3/100

asym_atr2_rms vs Slug, Sign Corrected



Right In: 9775.367+/-2.004 χ^2/NDF: 2493528.9/23

Left Out: 9172.826+/-1.503 χ^2/NDF:1056946.9/24

Right Out: 9466.118+/-1.896 χ^2/NDF: 3321423.5/28

Left In: 9162.276+/-1.541 χ^2/NDF:1127533.4/22

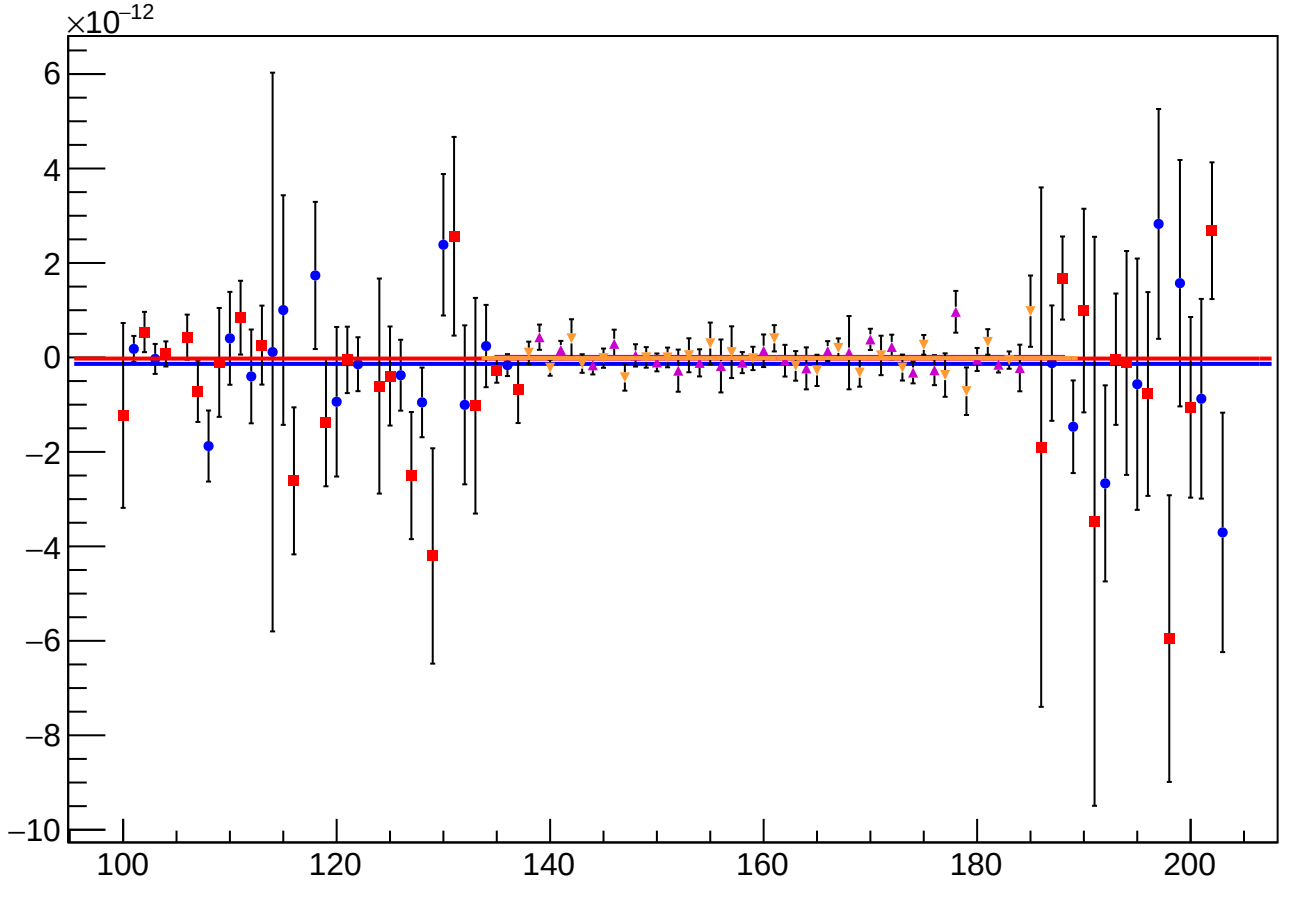
Left: 9167.685+/-1.076 χ^2/NDF: 2184504.3/47

Right: 9612.182+/-1.377 χ^2/NDF: 5827518.5/52

In: 9390.165+/-1.222 χ^2/NDF:3679869.0/46

Out: 9286.001+/-1.178 χ^2/NDF:4393066.6/53

All: 9336.172+/-0.848 χ^2/NDF: 8076703.2/10



Right In: -0.000+/-0.000 χ^2/NDF: 21.1/23

Left Out: -0.000+/-0.000 χ^2/NDF:19.4/24

Right Out: -0.000+/-0.000 χ^2/NDF: 31.9/28

Left In: 0.000+/-0.000 χ^2/NDF:19.2/22

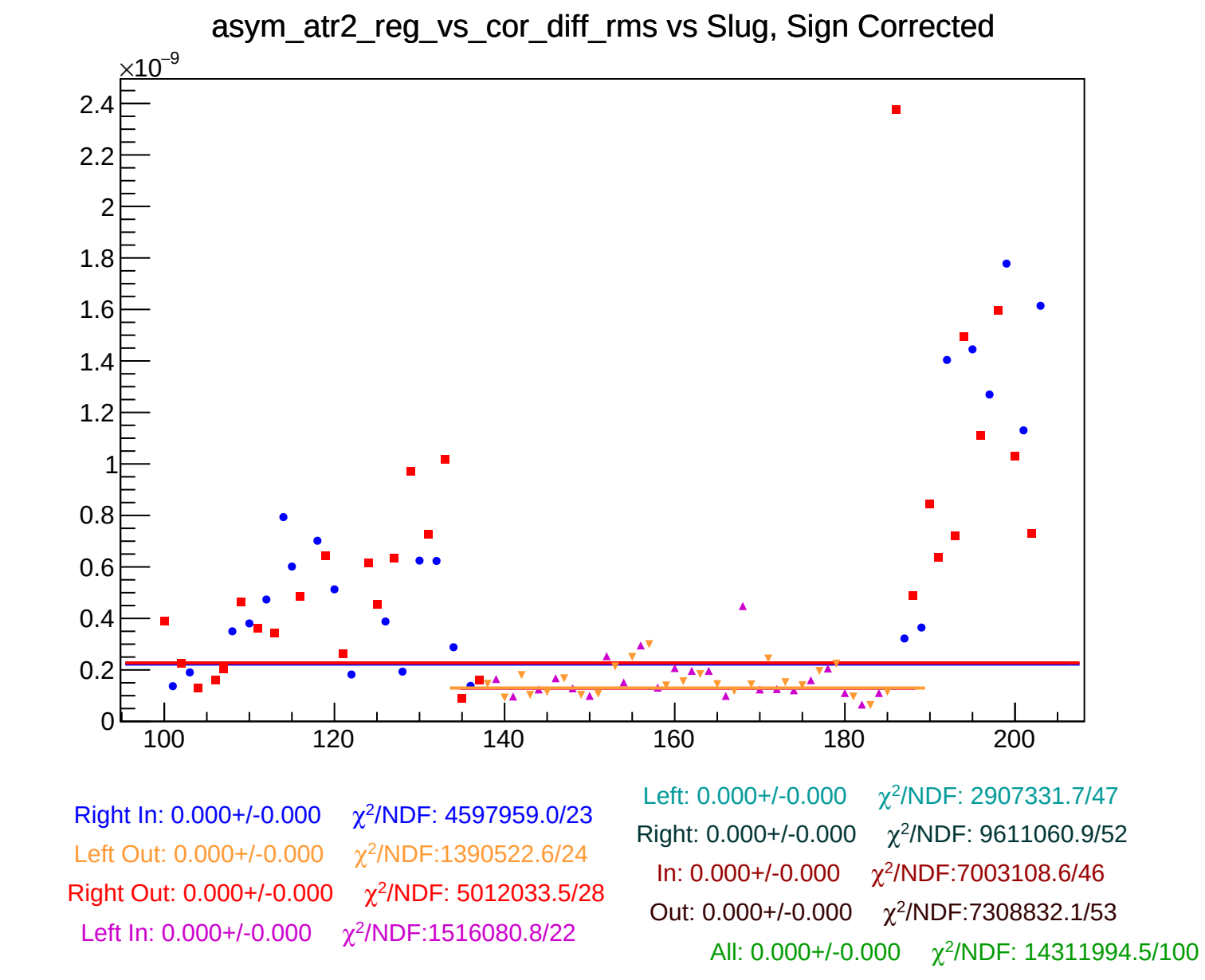
Left: -0.000+/-0.000 χ^2/NDF: 38.7/47

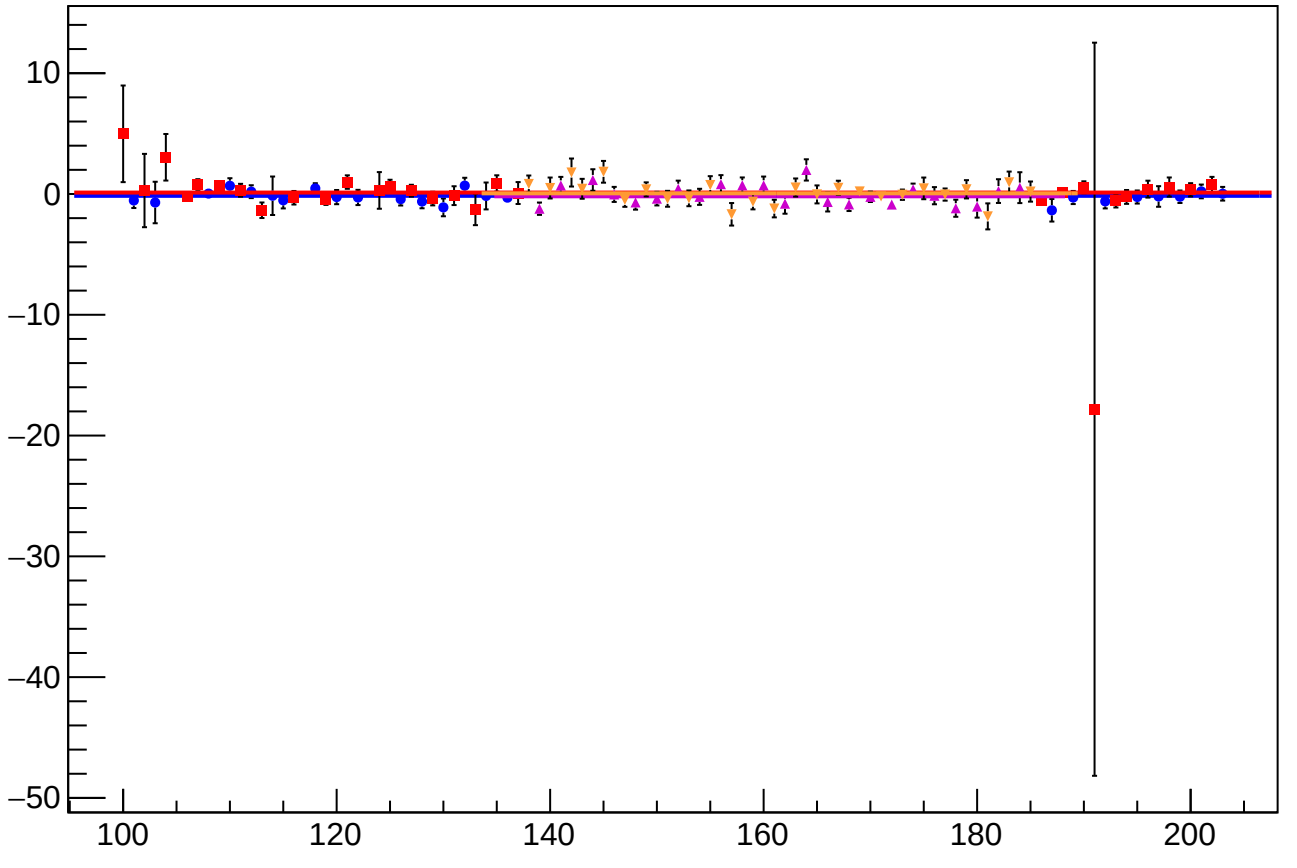
Right: -0.000+/-0.000 χ^2/NDF: 53.3/52

In: -0.000+/-0.000 χ^2/NDF:41.3/46

Out: -0.000+/-0.000 χ^2/NDF:51.3/53

All: -0.000+/-0.000 χ^2/NDF: 92.6/100


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: 4597959.0/23
Left Out: 0.000+/-0.000 χ²/NDF:1390522.6/24
Right Out: 0.000+/-0.000 χ²/NDF: 5012033.5/28
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: 9611060.9/52
In: 0.000+/-0.000 χ²/NDF:7003108.6/46
Out: 0.000+/-0.000 χ²/NDF:7308832.1/53
All: 0.000+/-0.000 χ²/NDF: 14311994.5/100



Right In: -0.152+/-0.120 χ^2/NDF: 12.7/23

Left Out: 0.054+/-0.130 χ^2/NDF:24.7/24

Right Out: 0.118+/-0.099 χ^2/NDF: 32.8/28

Left In: -0.191+/-0.133 χ^2/NDF:31.1/22

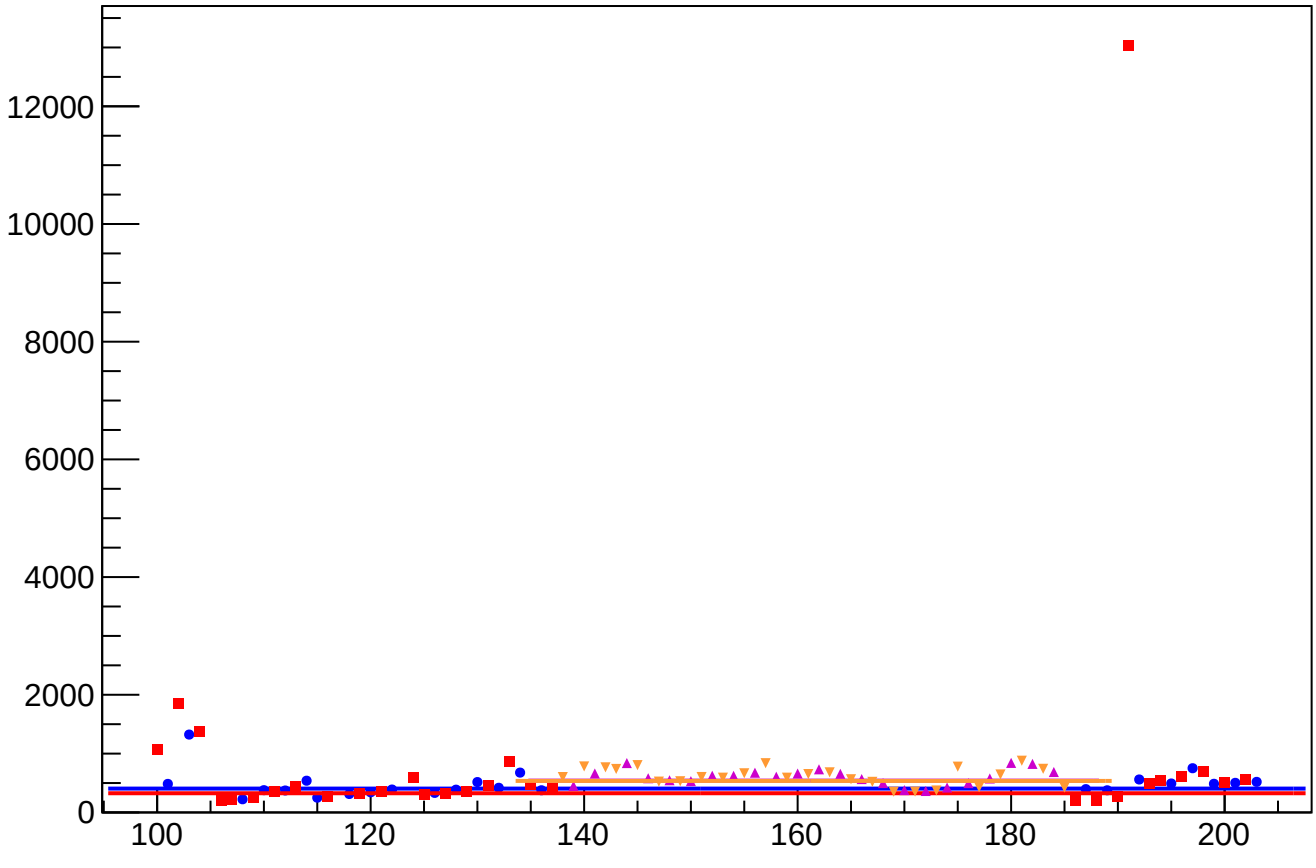
Left: -0.065+/-0.093 χ^2/NDF: 57.6/47

Right: 0.008+/-0.076 χ^2/NDF: 48.5/52

In: -0.169+/-0.089 χ^2/NDF:43.9/46

Out: 0.095+/-0.079 χ^2/NDF:57.6/53

All: -0.021+/-0.059 χ^2/NDF: 106.4/100



Right In: 405.491+/-0.085 χ^2/NDF: 2273759.3/23

Left Out: 535.943+/-0.092 χ^2/NDF:2749736.4/24

Right Out: 326.512+/-0.070 χ^2/NDF: 5276684.8/28

Left In: 540.804+/-0.094 χ^2/NDF:1904998.0/22

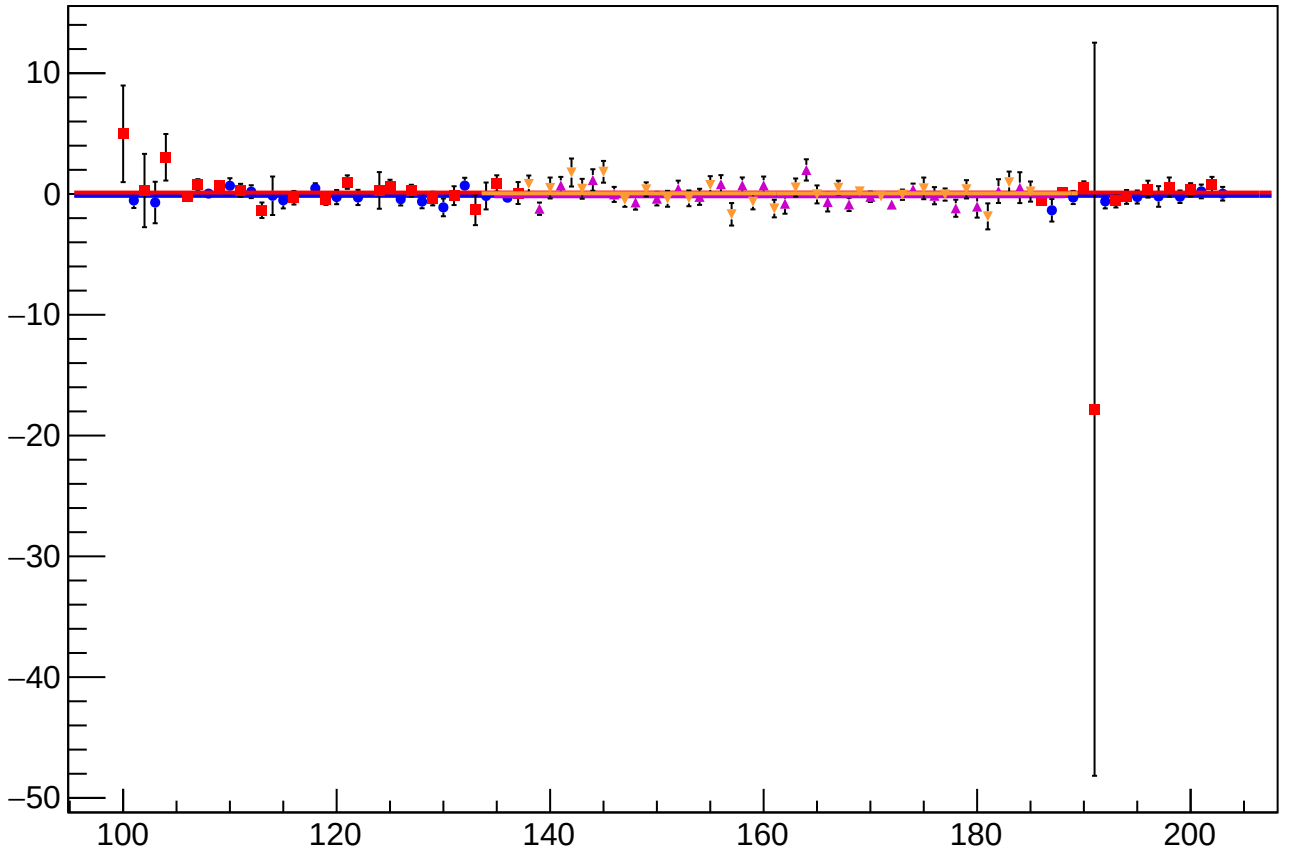
Left: 538.306+/-0.066 χ^2/NDF: 4656104.0/47

Right: 358.657+/-0.054 χ^2/NDF: 8067900.1/52

In: 465.904+/-0.063 χ^2/NDF:5322340.1/46

Out: 403.818+/-0.056 χ^2/NDF:11326408.1/53

All: 431.069+/-0.042 χ^2/NDF: 17195355.4/10



Right In: -0.152+/-0.120 χ^2/NDF: 12.7/23

Left Out: 0.054+/-0.130 χ^2/NDF:24.7/24

Right Out: 0.118+/-0.099 χ^2/NDF: 32.8/28

Left In: -0.191+/-0.133 χ^2/NDF:31.1/22

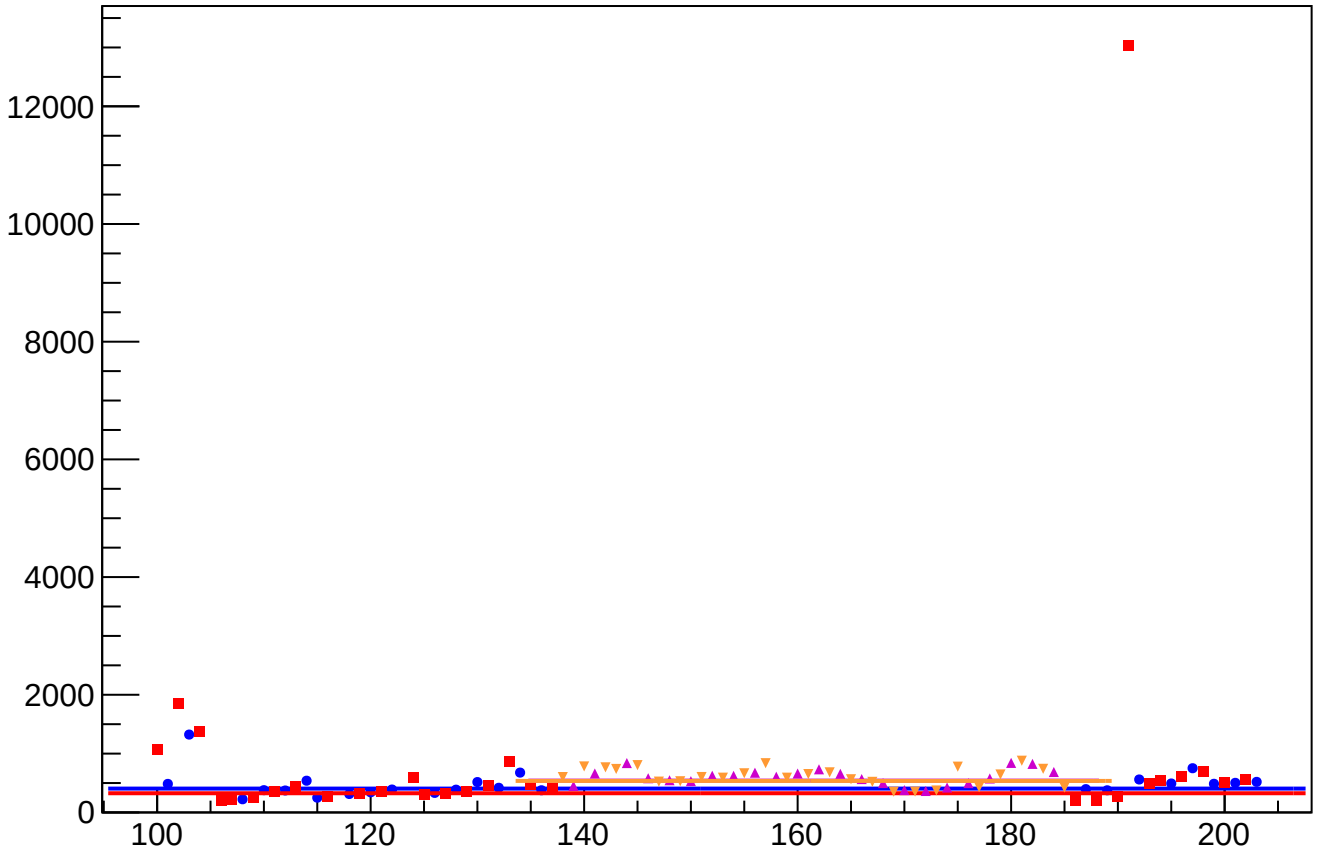
Left: -0.065+/-0.093 χ^2/NDF: 57.6/47

Right: 0.008+/-0.076 χ^2/NDF: 48.5/52

In: -0.169+/-0.089 χ^2/NDF:43.9/46

Out: 0.095+/-0.079 χ^2/NDF:57.6/53

All: -0.021+/-0.059 χ^2/NDF: 106.4/100



Right In: 405.491+/-0.085 χ^2/NDF: 2273759.3/23

Left Out: 535.943+/-0.092 χ^2/NDF:2749736.4/24

Right Out: 326.512+/-0.070 χ^2/NDF: 5276684.8/28

Left In: 540.804+/-0.094 χ^2/NDF:1904998.0/22

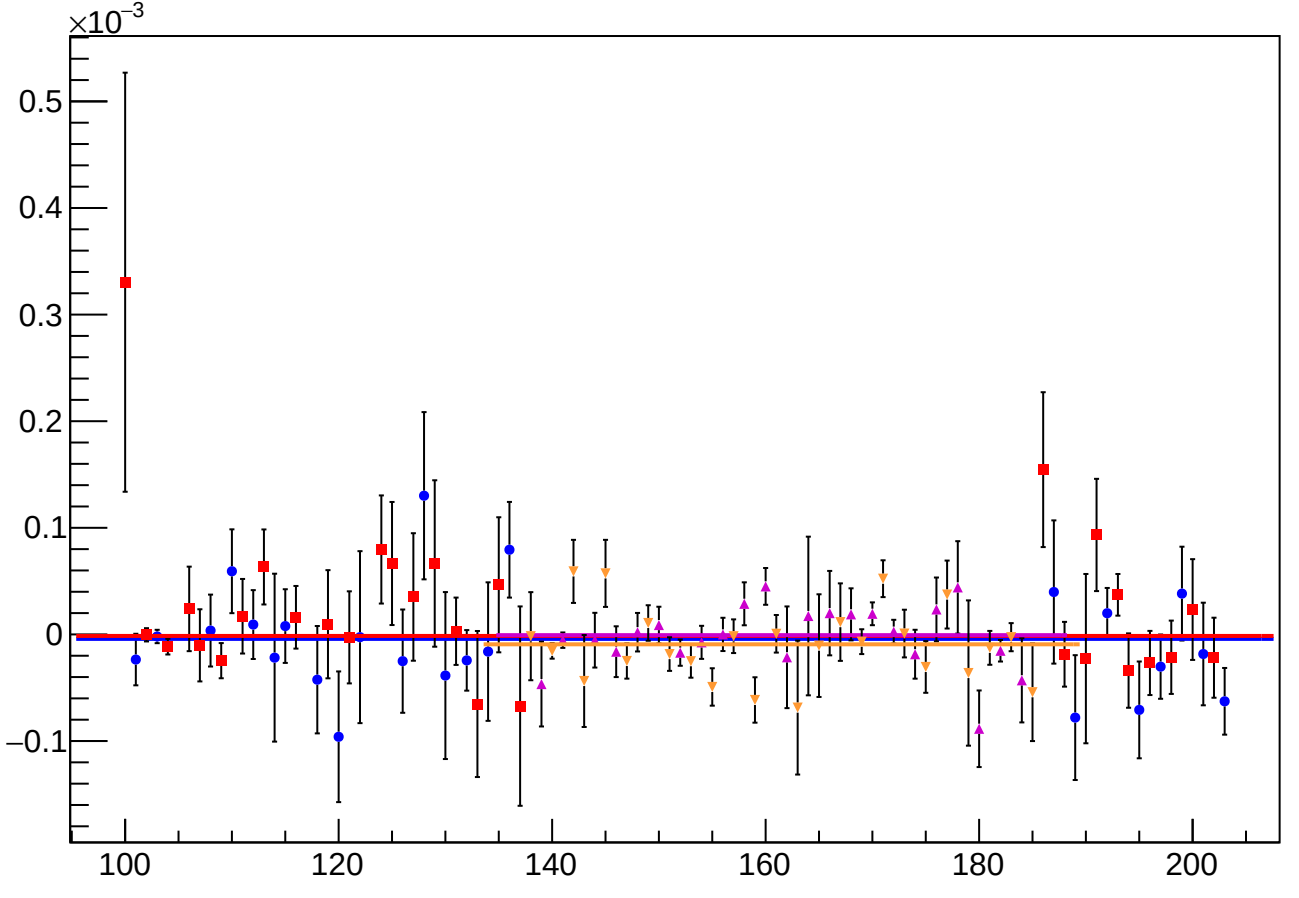
Left: 538.306+/-0.066 χ^2/NDF: 4656104.0/47

Right: 358.657+/-0.054 χ^2/NDF: 8067900.1/52

In: 465.904+/-0.063 χ^2/NDF:5322340.1/46

Out: 403.818+/-0.056 χ^2/NDF:11326408.1/53

All: 431.069+/-0.042 χ^2/NDF: 17195355.4/10



Right In: -0.000+/-0.000 χ^2/NDF: 24.4/23

Left Out: -0.000+/-0.000 χ^2/NDF:45.2/24

Right Out: -0.000+/-0.000 χ^2/NDF: 32.9/28

Left In: -0.000+/-0.000 χ^2/NDF:30.0/22

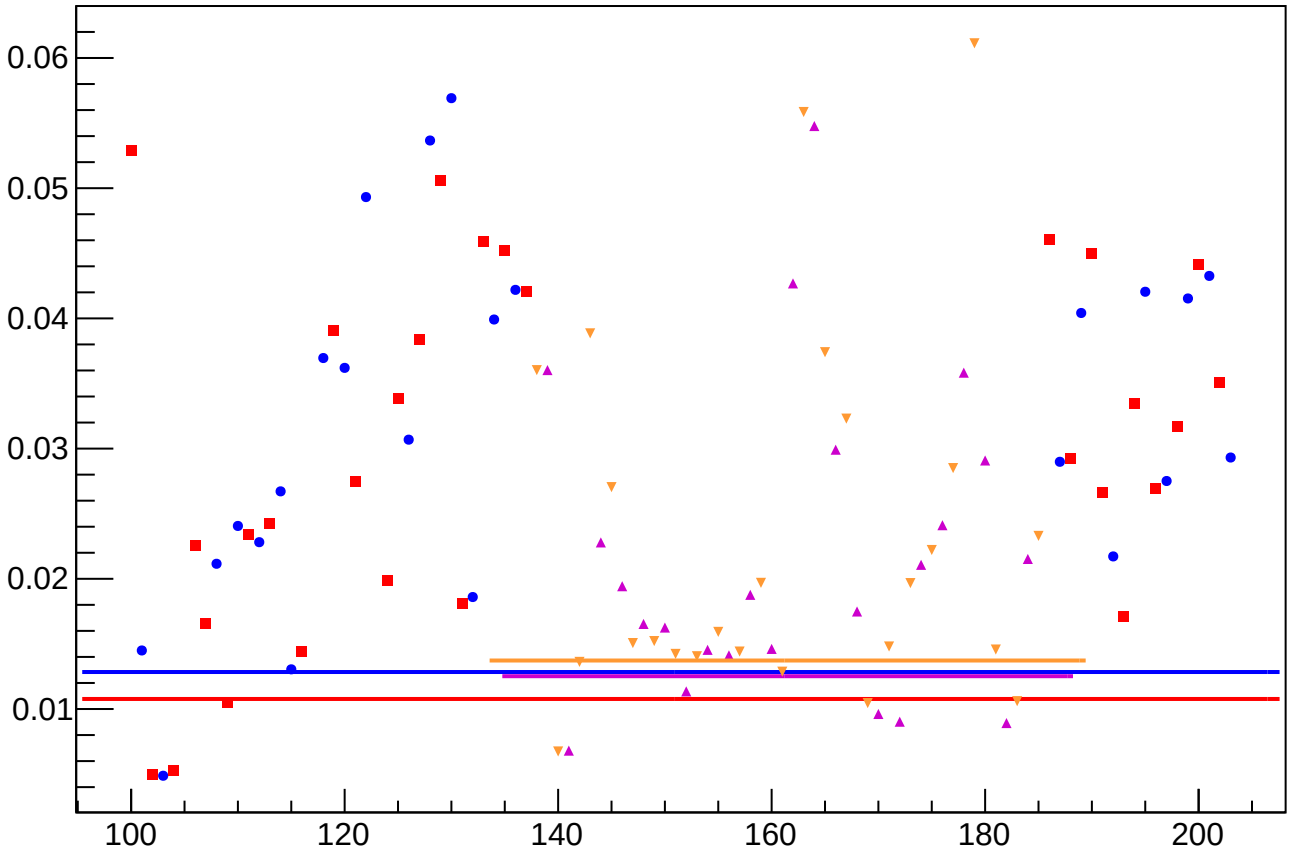
Left: -0.000+/-0.000 χ^2/NDF: 78.1/47

Right: -0.000+/-0.000 χ^2/NDF: 57.5/52

In: -0.000+/-0.000 χ^2/NDF:54.7/46

Out: -0.000+/-0.000 χ^2/NDF:80.2/53

All: -0.000+/-0.000 χ^2/NDF: 136.0/100



Right In: 0.013+/-0.000 χ^2/NDF: 12012341.6/23

Left Out: 0.014+/-0.000 χ^2/NDF:7717157.8/24

Right Out: 0.011+/-0.000 χ^2/NDF: 13425916.4/28

Left In: 0.013+/-0.000 χ^2/NDF:7121524.7/22

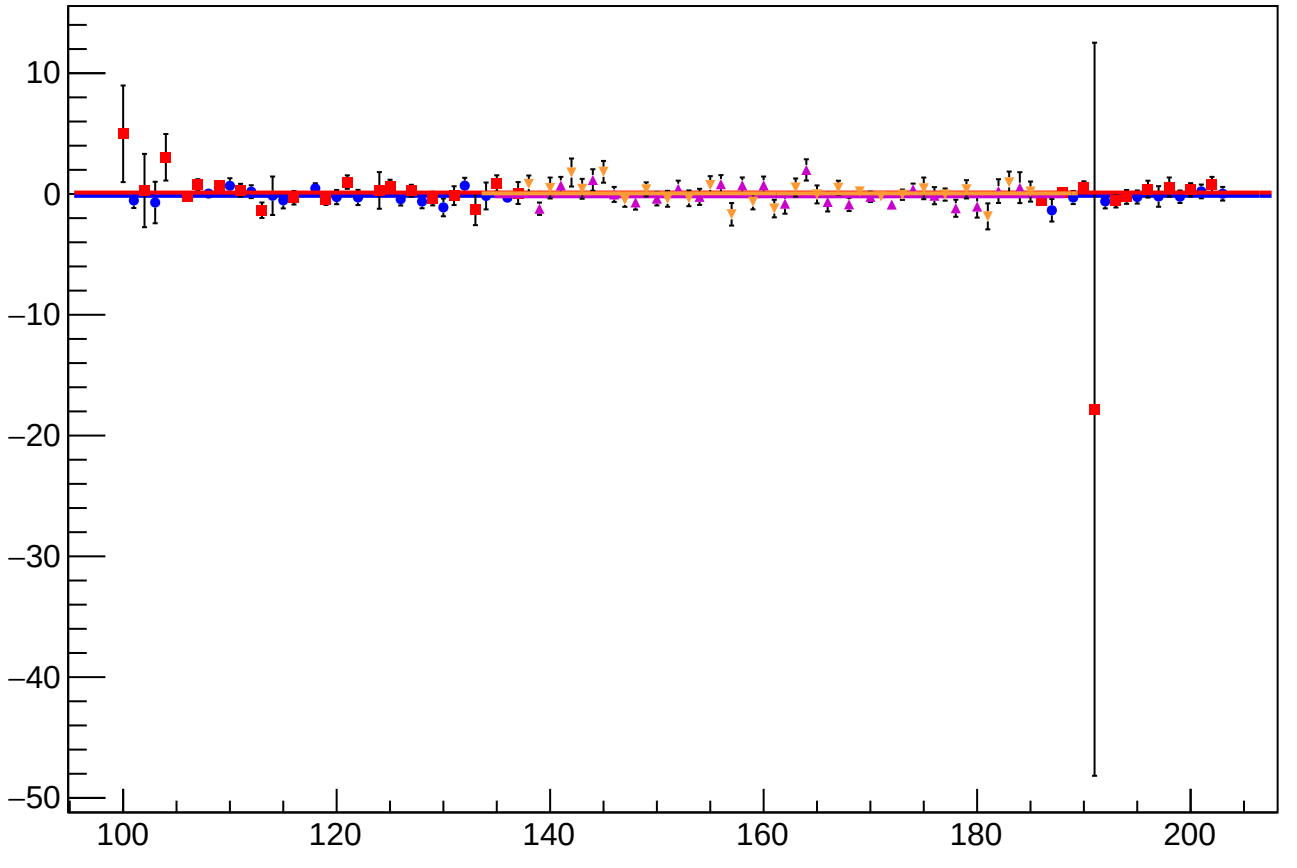
Left: 0.013+/-0.000 χ^2/NDF: 14955984.5/47

Right: 0.012+/-0.000 χ^2/NDF: 25649697.4/52

In: 0.013+/-0.000 χ^2/NDF:19139484.7/46

Out: 0.012+/-0.000 χ^2/NDF:21755203.0/53

All: 0.012+/-0.000 χ^2/NDF: 40902352.9/100



Right In: -0.152+/-0.120 χ^2/NDF: 12.7/23

Left Out: 0.054+/-0.130 χ^2/NDF:24.7/24

Right Out: 0.118+/-0.099 χ^2/NDF: 32.8/28

Left In: -0.191+/-0.133 χ^2/NDF:31.1/22

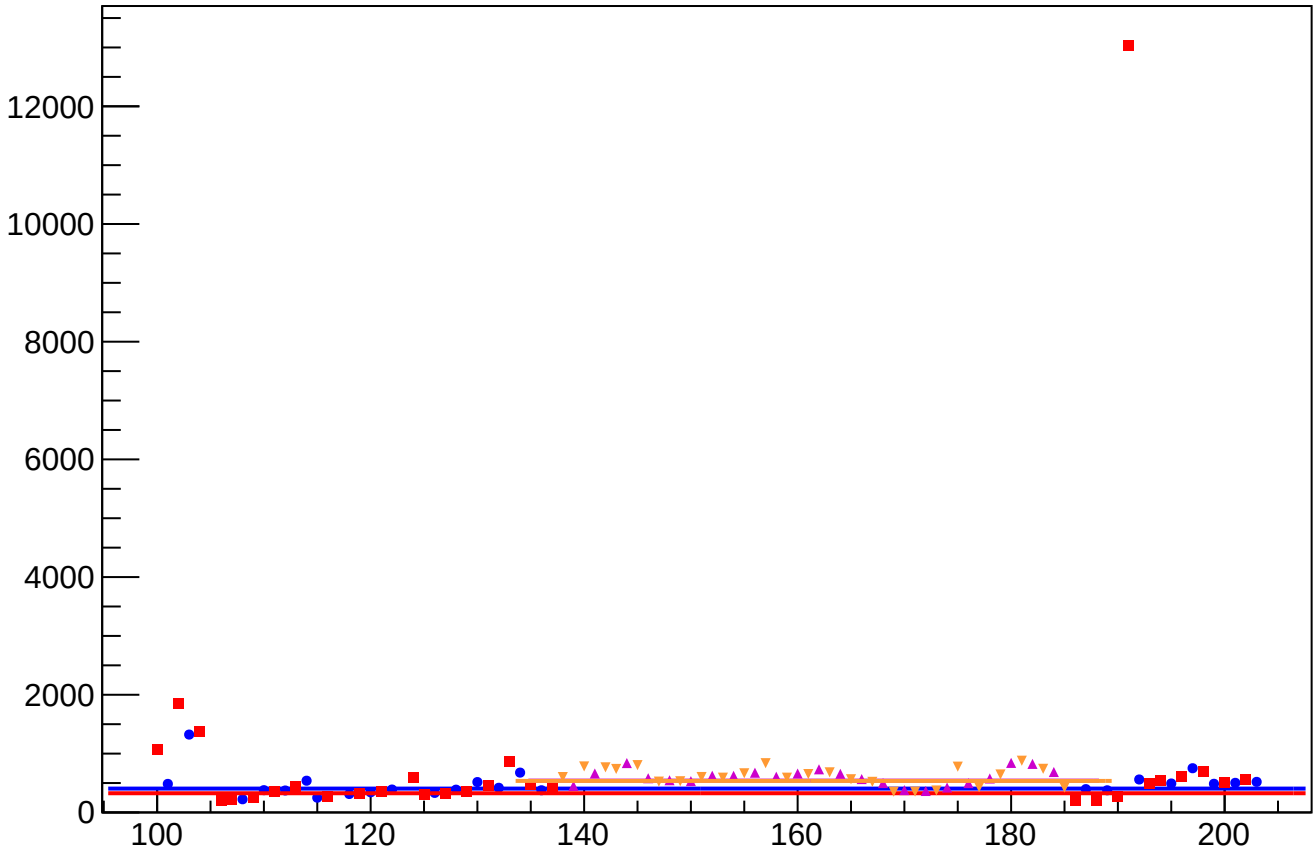
Left: -0.065+/-0.093 χ^2/NDF: 57.6/47

Right: 0.008+/-0.076 χ^2/NDF: 48.5/52

In: -0.170+/-0.089 χ^2/NDF:43.9/46

Out: 0.095+/-0.079 χ^2/NDF:57.6/53

All: -0.021+/-0.059 χ^2/NDF: 106.4/100



Right In: 405.488+/-0.085 χ^2/NDF: 2273800.1/23

Left Out: 535.948+/-0.092 χ^2/NDF:2749816.2/24

Right Out: 326.512+/-0.070 χ^2/NDF: 5276649.3/28

Left In: 540.811+/-0.094 χ^2/NDF:1905035.9/22

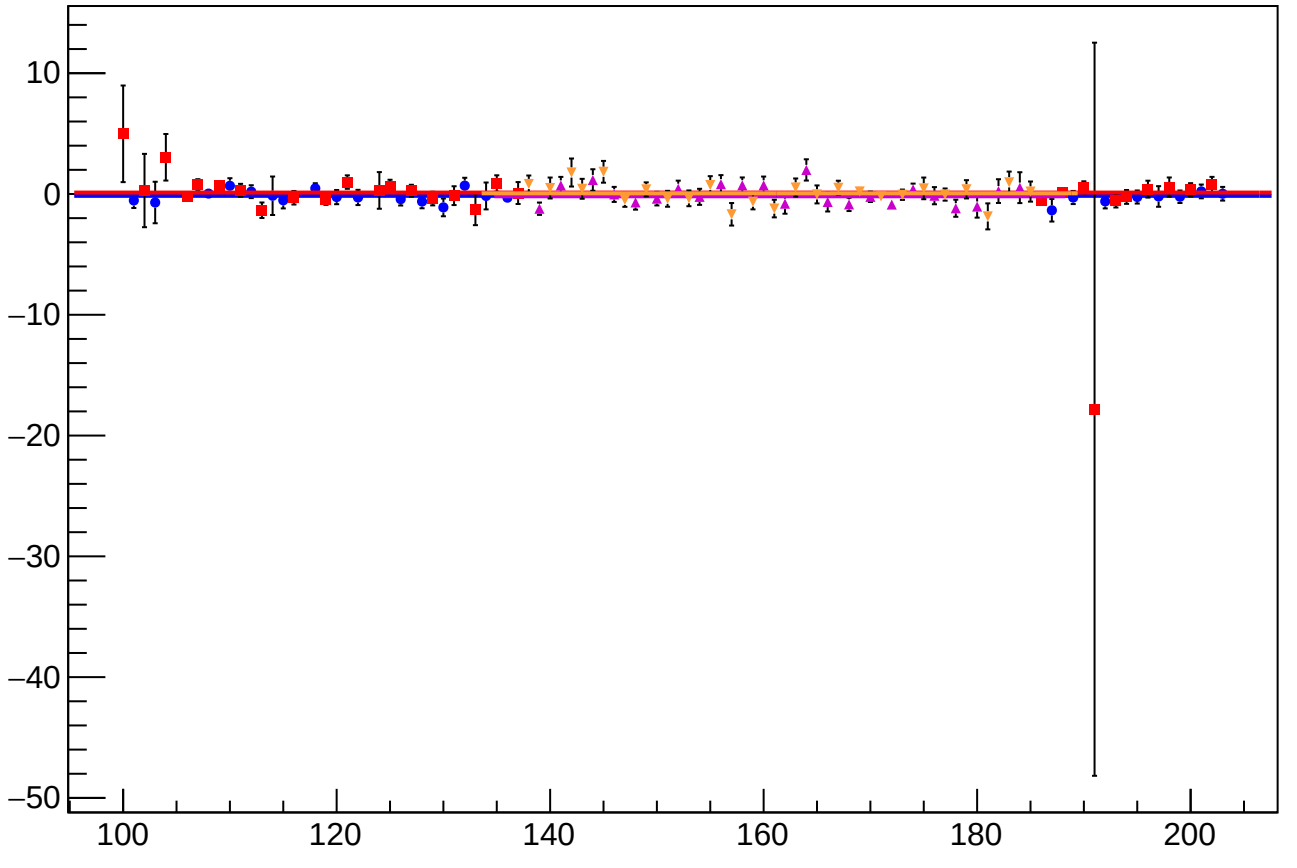
Left: 538.311+/-0.066 χ^2/NDF: 4656222.0/47

Right: 358.656+/-0.054 χ^2/NDF: 8067867.9/52

In: 465.904+/-0.063 χ^2/NDF:5322551.4/46

Out: 403.819+/-0.056 χ^2/NDF:11326558.4/53

All: 431.069+/-0.042 χ^2/NDF: 17195692.1/10



Right In: -0.152+/-0.120 χ^2/NDF: 12.7/23

Left Out: 0.054+/-0.130 χ^2/NDF:24.7/24

Right Out: 0.118+/-0.099 χ^2/NDF: 32.8/28

Left In: -0.191+/-0.133 χ^2/NDF:31.1/22

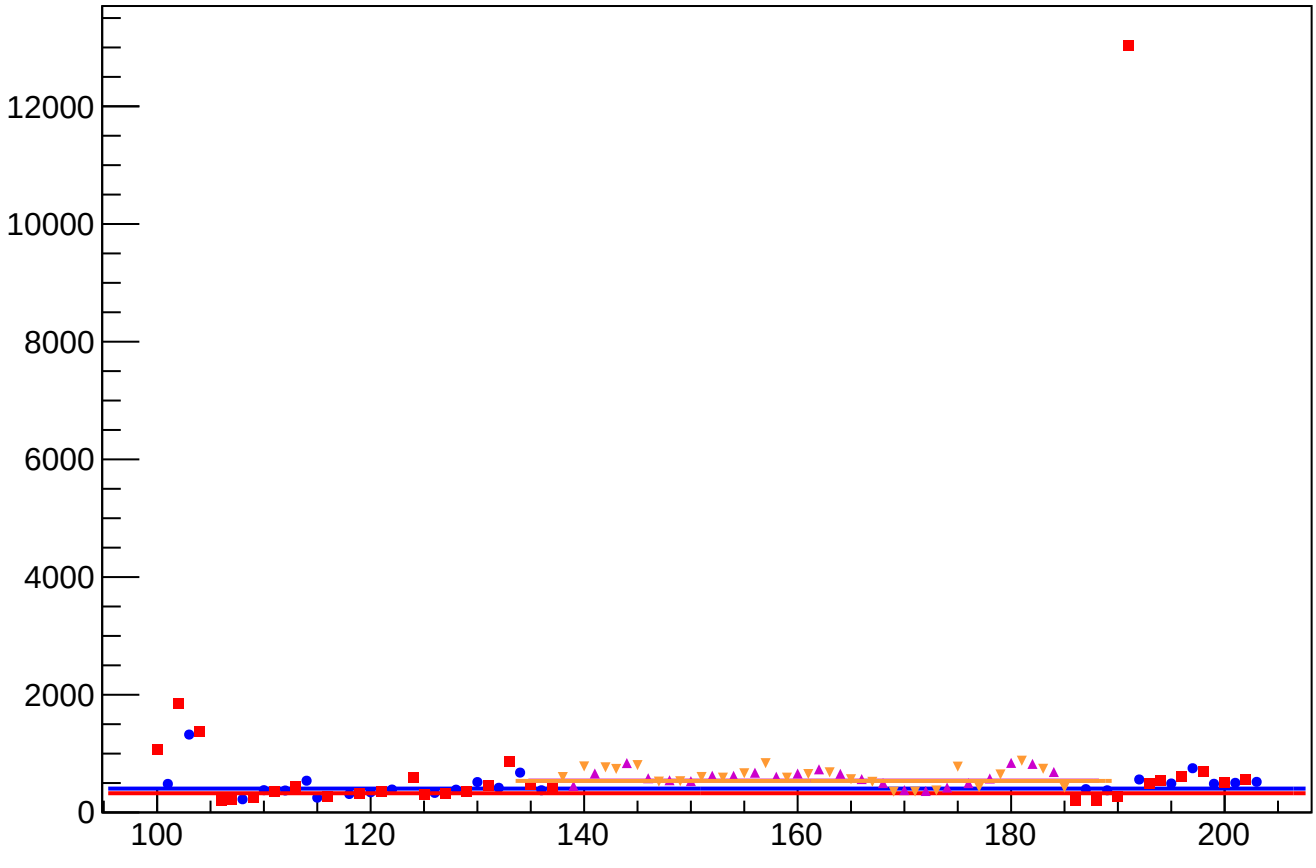
Left: -0.065+/-0.093 χ^2/NDF: 57.6/47

Right: 0.008+/-0.076 χ^2/NDF: 48.5/52

In: -0.170+/-0.089 χ^2/NDF:43.9/46

Out: 0.095+/-0.079 χ^2/NDF:57.6/53

All: -0.021+/-0.059 χ^2/NDF: 106.4/100



Right In: 405.488+/-0.085 χ^2/NDF: 2273800.1/23

Left Out: 535.948+/-0.092 χ^2/NDF:2749816.2/24

Right Out: 326.512+/-0.070 χ^2/NDF: 5276649.3/28

Left In: 540.811+/-0.094 χ^2/NDF:1905035.9/22

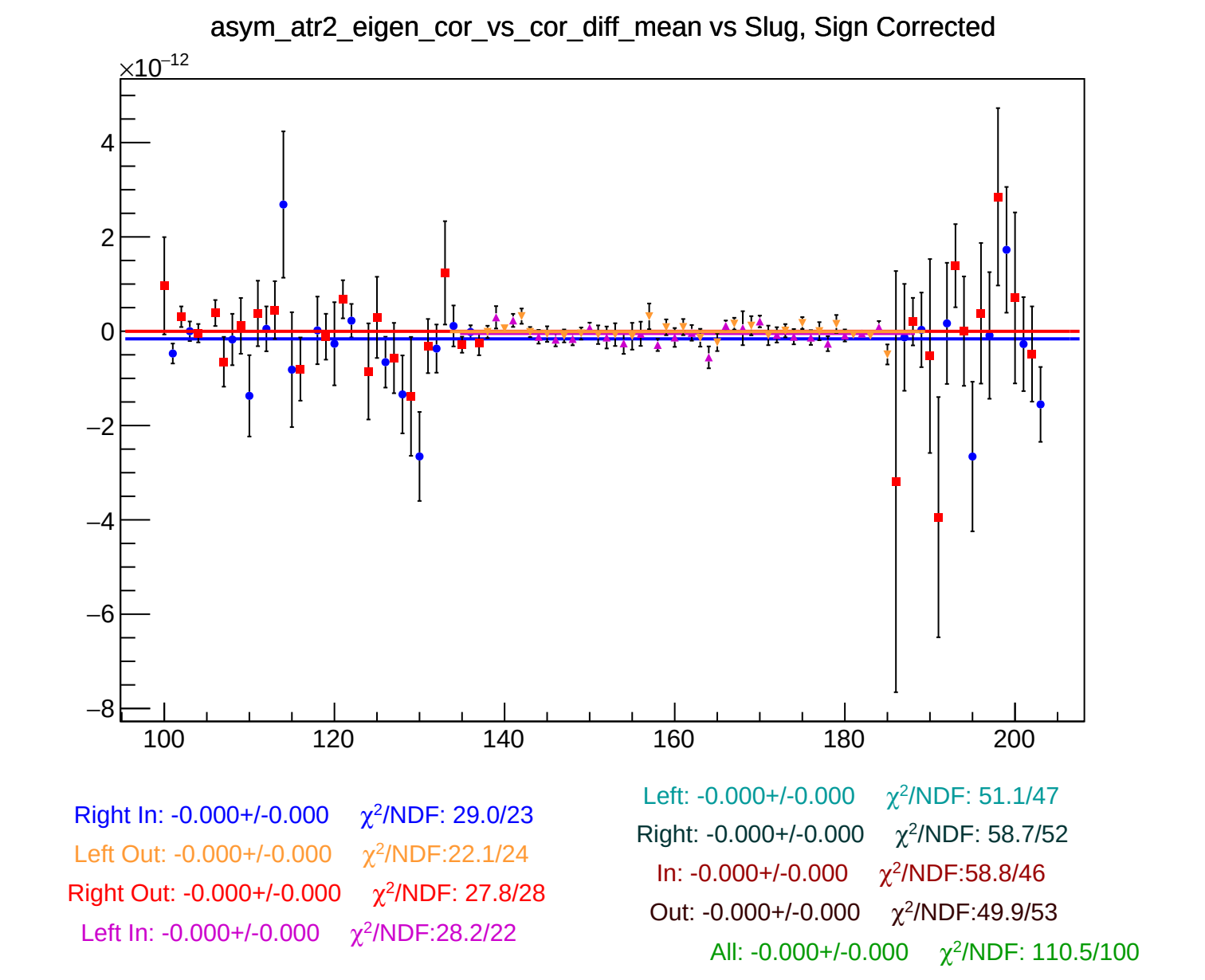
Left: 538.311+/-0.066 χ^2/NDF: 4656222.0/47

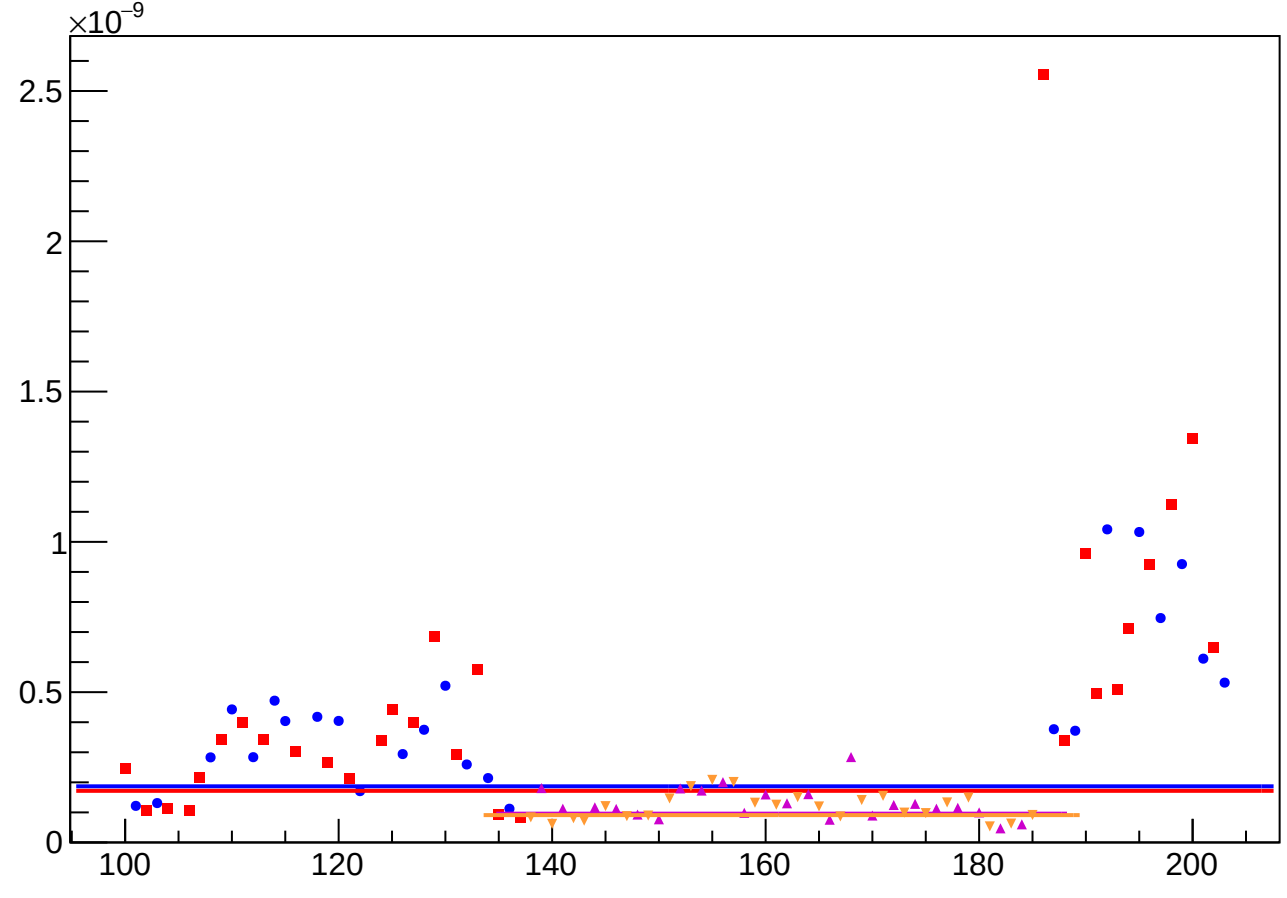
Right: 358.656+/-0.054 χ^2/NDF: 8067867.9/52

In: 465.904+/-0.063 χ^2/NDF:5322551.4/46

Out: 403.819+/-0.056 χ^2/NDF:11326558.4/53

All: 431.069+/-0.042 χ^2/NDF: 17195692.1/10


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: 29.0/23
Left Out: -0.000+/-0.000 χ²/NDF:22.1/24
Right Out: -0.000+/-0.000 χ²/NDF: 27.8/28
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: 58.7/52
In: -0.000+/-0.000 χ²/NDF:58.8/46
Out: -0.000+/-0.000 χ²/NDF:49.9/53
All: -0.000+/-0.000 χ²/NDF: 110.5/100



Right In: 0.000+/-0.000 χ^2/NDF: 5472085.7/23

Left Out: 0.000+/-0.000 χ^2/NDF:3367730.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 7140243.9/28

Left In: 0.000+/-0.000 χ^2/NDF:3905784.1/22

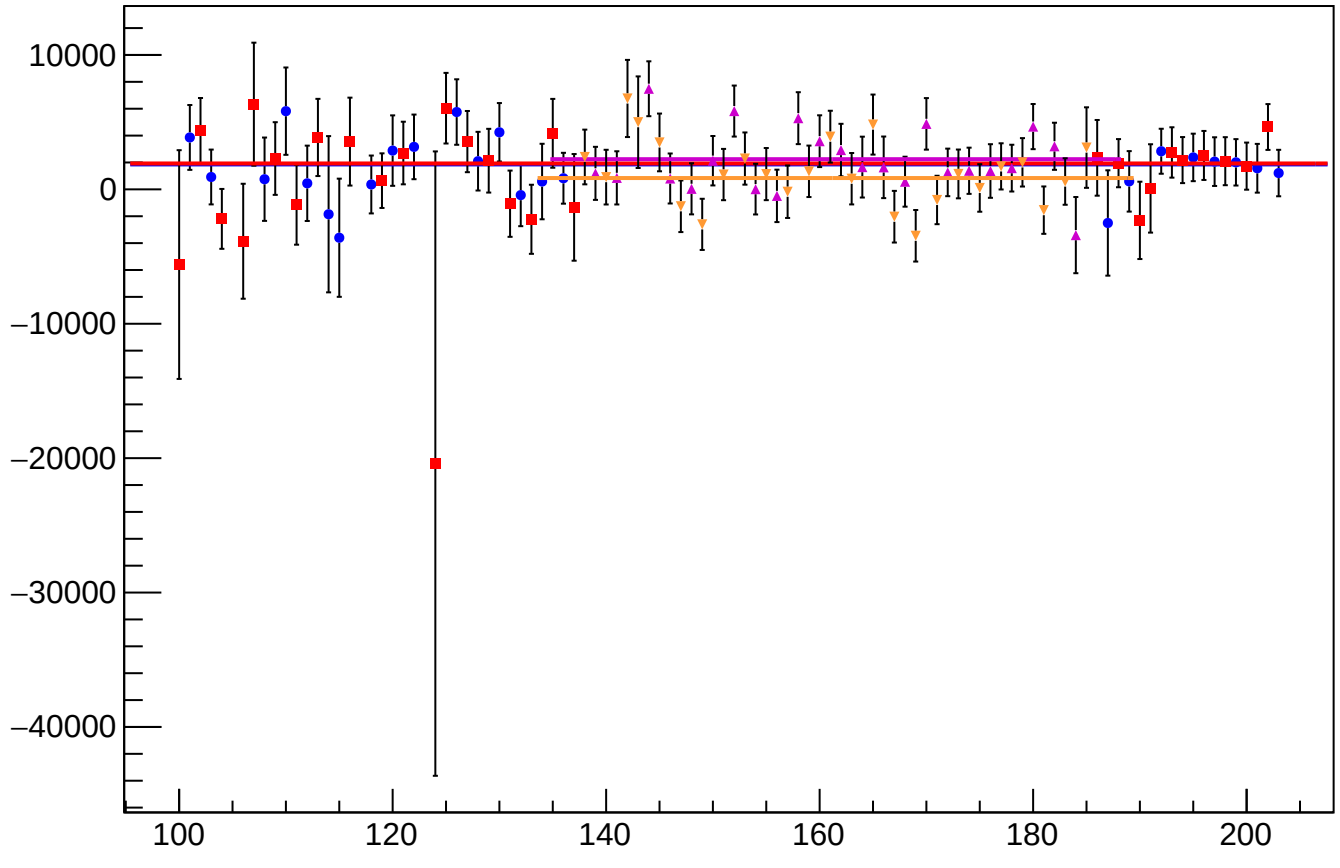
Left: 0.000+/-0.000 χ^2/NDF: 7302418.3/47

Right: 0.000+/-0.000 χ^2/NDF: 12644838.5/52

In: 0.000+/-0.000 χ^2/NDF:11425955.8/46

Out: 0.000+/-0.000 χ^2/NDF:12283097.1/53

All: 0.000+/-0.000 χ^2/NDF: 23759066.6/100



Right In: 1855.302+/-458.570 χ^2/NDF: 13.1/23

Left Out: 841.572+/-394.444 χ^2/NDF:30.4/24

Right Out: 1926.567+/-447.889 χ^2/NDF: 25.0/28

Left In: 2245.041+/-400.753 χ^2/NDF:29.4/22

Left: 1532.172+/-281.118 χ^2/NDF: 66.0/47

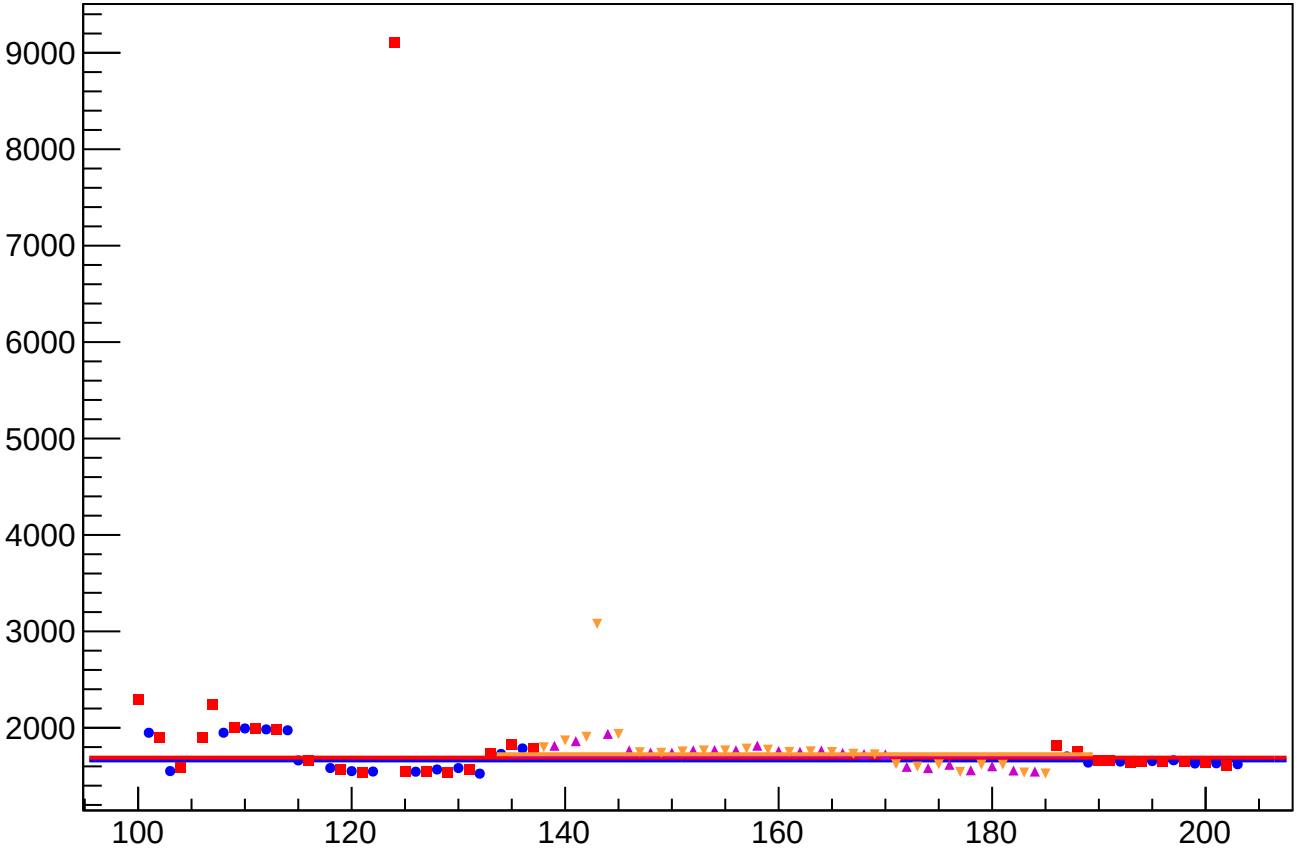
Right: 1891.774+/-320.415 χ^2/NDF: 38.1/52

In: 2076.276+/-301.759 χ^2/NDF:42.9/46

Out: 1315.504+/-296.016 χ^2/NDF:58.7/53

All: 1688.581+/-211.316 χ^2/NDF: 104.9/100

reg_asym_atl_avg_rms vs Slug, Sign Corrected



Right In: 1662.118+/-0.324 χ^2/NDF: 145761.7/23

Left Out: 1726.058+/-0.279 χ^2/NDF:454930.8/24

Right Out: 1690.475+/-0.316 χ^2/NDF: 404058.4/28

Left In: 1713.156+/-0.283 χ^2/NDF:129290.6/22

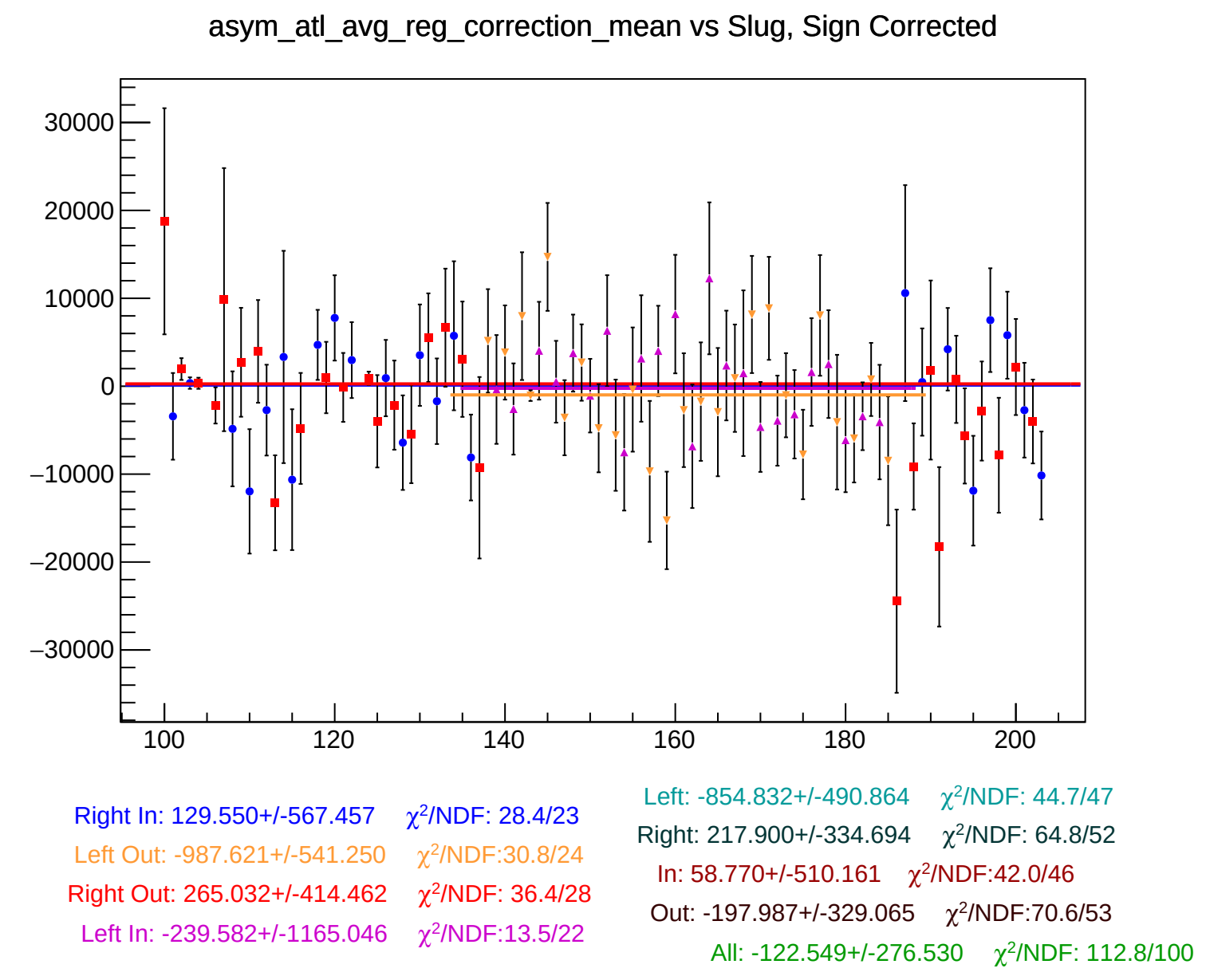
Left: 1719.709+/-0.199 χ^2/NDF: 585274.4/47

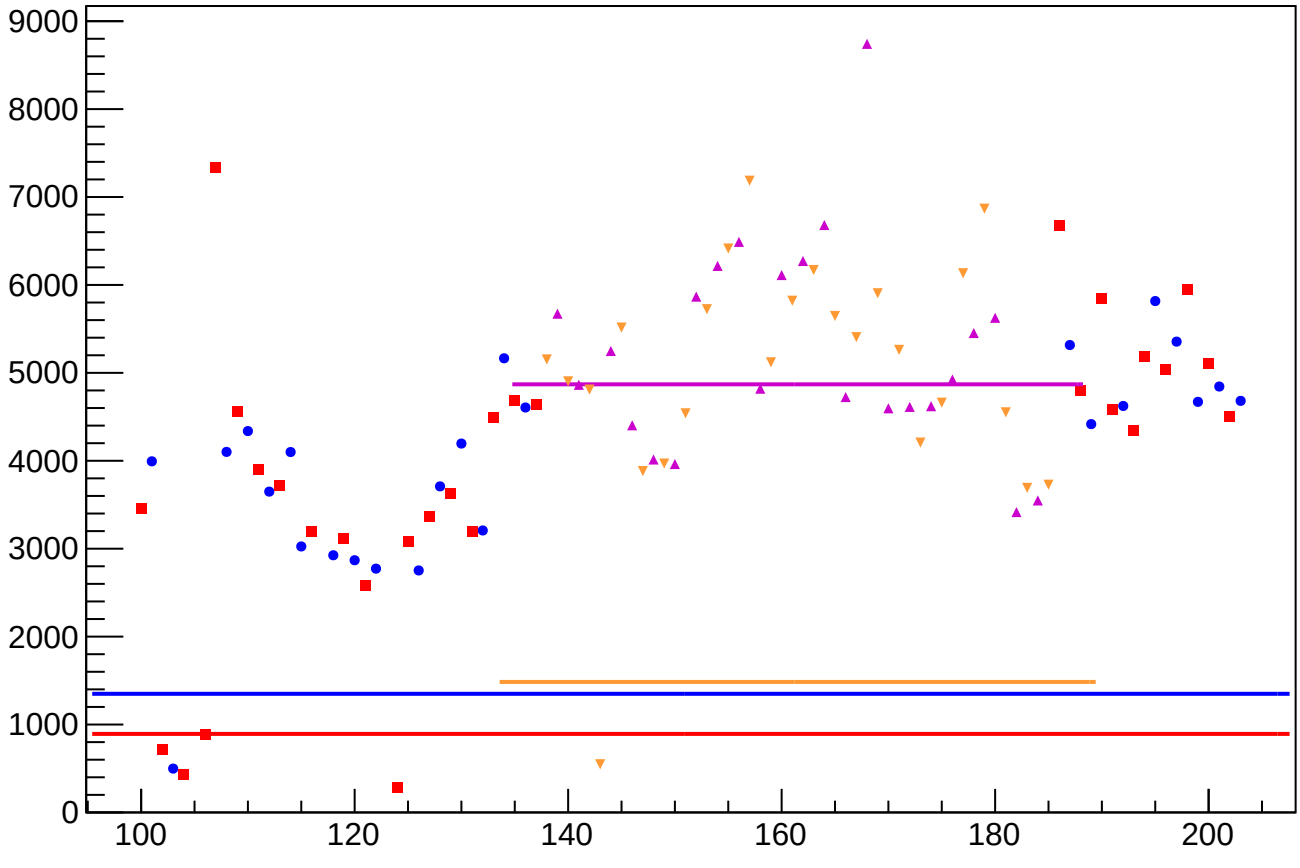
Right: 1676.664+/-0.226 χ^2/NDF: 553743.0/52

In: 1691.055+/-0.213 χ^2/NDF:289098.6/46

Out: 1710.475+/-0.209 χ^2/NDF:866117.1/53

All: 1700.962+/-0.149 χ^2/NDF: 1159441.0/10


asym_atl_avg_reg_correction_mean vs Slug, Sign Corrected
30000
20000
10000
0
−10000
−20000
−30000
100
120
140
160
180
200
Right In: 129.550+/-567.457 χ²/NDF: 28.4/23
Left Out: -987.621+/-541.250 χ²/NDF:30.8/24
Right Out: 265.032+/-414.462 χ²/NDF: 36.4/28
Left In: -239.582+/-1165.046 χ²/NDF:13.5/22
Left: -854.832+/-490.864 χ²/NDF: 44.7/47
Right: 217.900+/-334.694 χ²/NDF: 64.8/52
In: 58.770+/-510.161 χ²/NDF:42.0/46
Out: -197.987+/-329.065 χ²/NDF:70.6/53
All: -122.549+/-276.530 χ²/NDF: 112.8/100



Right In: 1349.570+/-0.401 χ^2/NDF: 14907046.8/23

Left Out: 1484.563+/-0.383 χ^2/NDF:23224946.4/24

Right Out: 893.481+/-0.293 χ^2/NDF: 18619641.2/28

Left In: 4869.707+/-0.824 χ^2/NDF:1474225.9/22

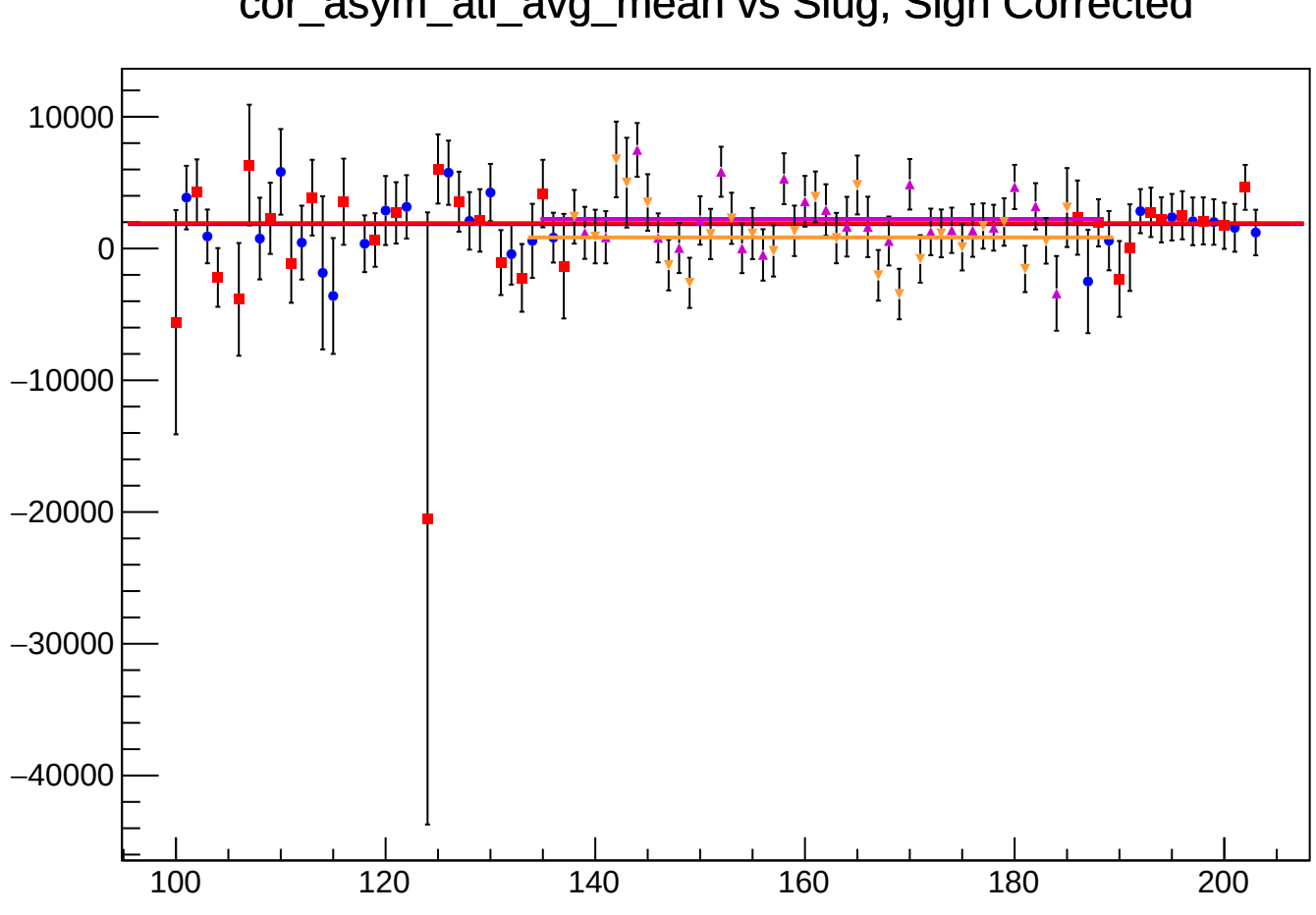
Left: 2085.479+/-0.347 χ^2/NDF: 38586716.8/47

Right: 1052.146+/-0.237 χ^2/NDF: 34369227.2/52

In: 2024.545+/-0.361 χ^2/NDF:31138680.3/46

Out: 1111.963+/-0.233 χ^2/NDF:43348159.6/53

All: 1380.091+/-0.196 χ^2/NDF: 79006223.8/1



Right In: 1855.392+/-458.570 χ^2/NDF: 13.1/23

Left Out: 841.564+/-394.444 χ^2/NDF:30.4/24

Right Out: 1925.385+/-447.891 χ^2/NDF: 25.0/28

Left In: 2245.061+/-400.753 χ^2/NDF:29.4/22

Left: 1532.178+/-281.118 χ^2/NDF: 66.0/47

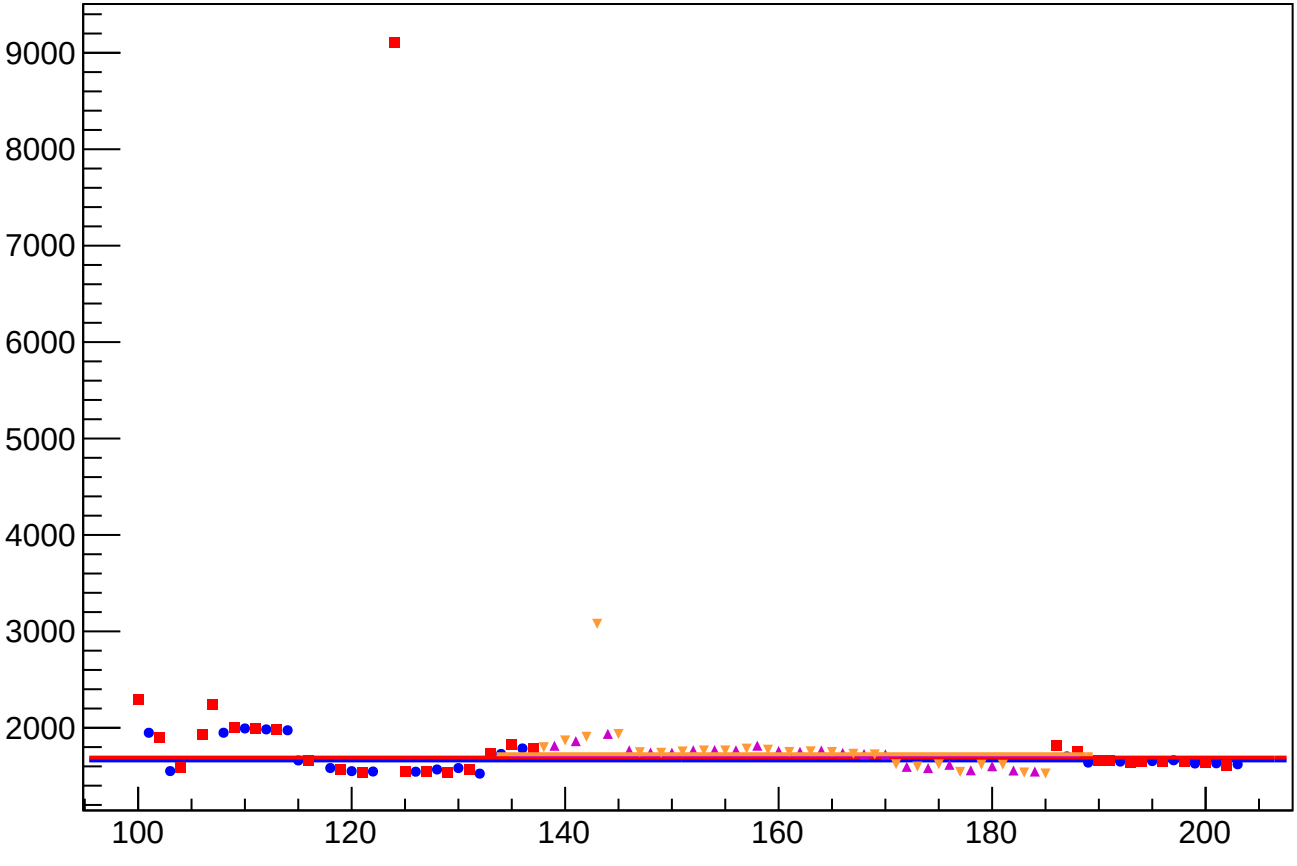
Right: 1891.213+/-320.416 χ^2/NDF: 38.1/52

In: 2076.326+/-301.759 χ^2/NDF:42.9/46

Out: 1314.982+/-296.016 χ^2/NDF:58.7/53

All: 1688.340+/-211.316 χ^2/NDF: 104.8/100

cor_asym_atl_avg_rms vs Slug, Sign Corrected



Right In: 1662.118+/-0.324 χ^2/NDF: 145761.7/23

Left Out: 1726.058+/-0.279 χ^2/NDF:454930.8/24

Right Out: 1690.869+/-0.316 χ^2/NDF: 406026.6/28

Left In: 1713.156+/-0.283 χ^2/NDF:129290.6/22

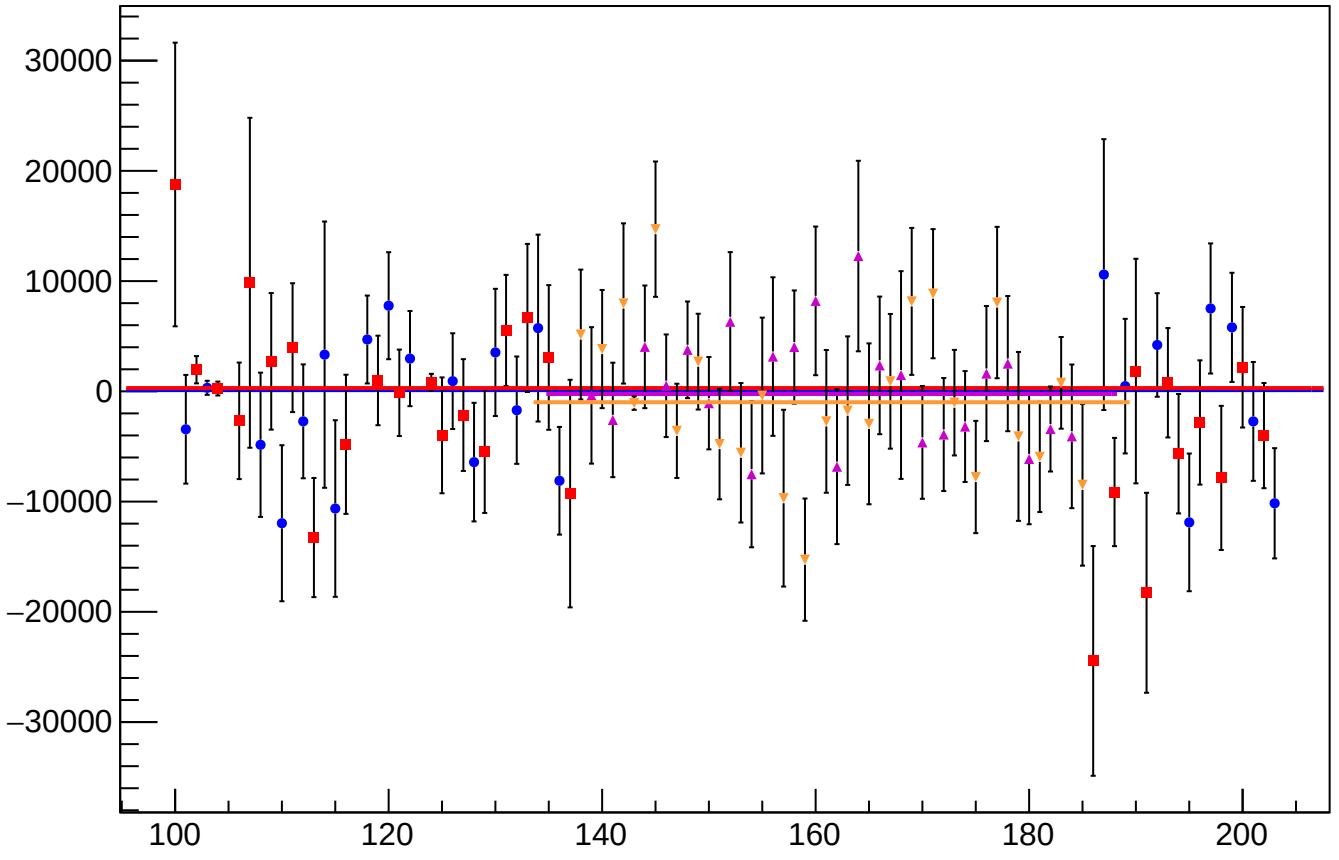
Left: 1719.709+/-0.199 χ^2/NDF: 585274.4/47

Right: 1676.862+/-0.226 χ^2/NDF: 555820.1/52

In: 1691.055+/-0.213 χ^2/NDF:289098.7/46

Out: 1710.652+/-0.209 χ^2/NDF:867926.4/53

All: 1701.051+/-0.149 χ^2/NDF: 1161327.2/10



Right In: 110.958+/-556.620 χ^2/NDF: 28.4/23

Left Out: -987.291+/-541.232 χ^2/NDF:30.8/24

Right Out: 296.674+/-419.880 χ^2/NDF: 35.1/28

Left In: -239.478+/-1165.045 χ^2/NDF:13.5/22

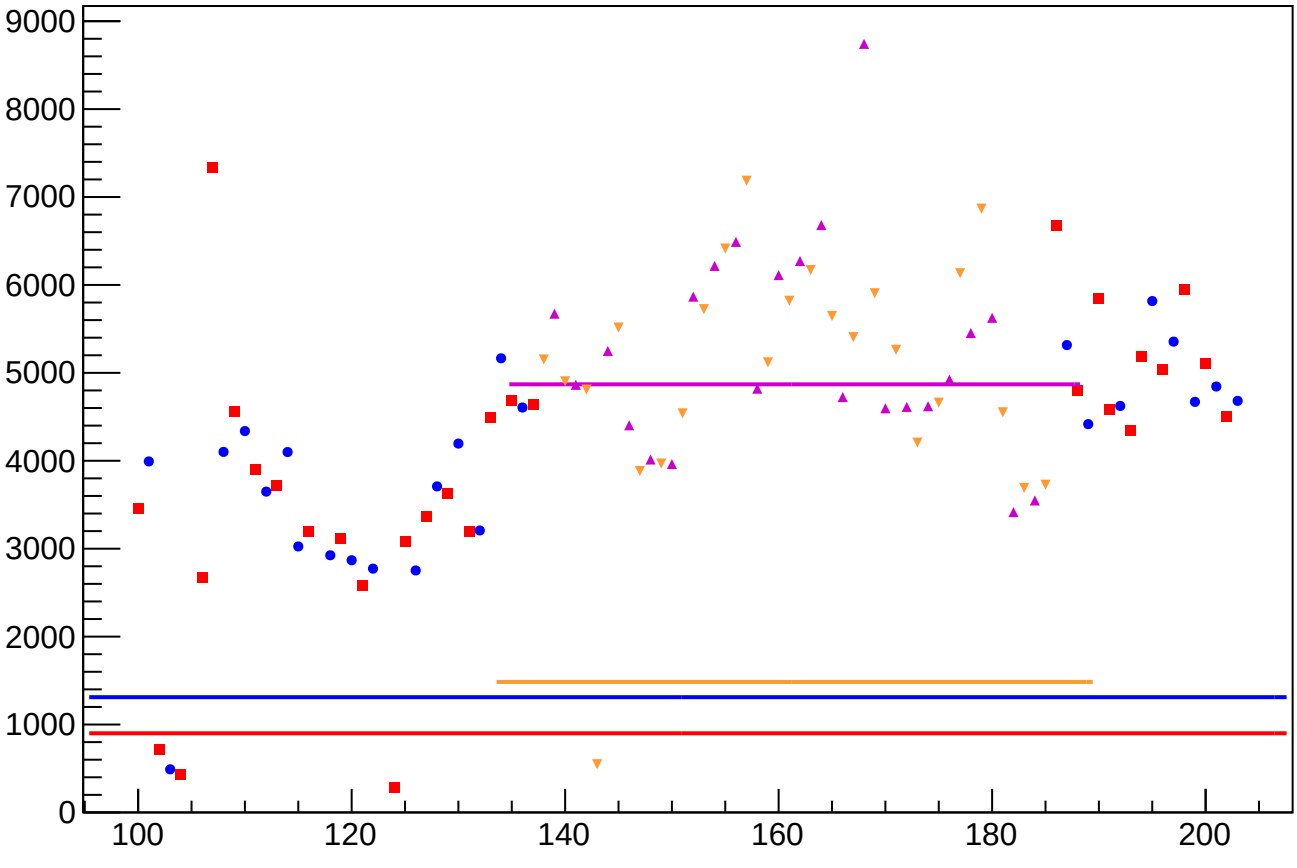
Left: -854.550+/-490.851 χ^2/NDF: 44.7/47

Right: 229.322+/-335.204 χ^2/NDF: 63.6/52

In: 45.833+/-502.242 χ^2/NDF:42.0/46

Out: -185.735+/-331.753 χ^2/NDF:69.5/53

All: -115.391+/-276.815 χ^2/NDF: 111.6/100



Right In: 1311.187+/-0.394 χ^2/NDF: 15142601.9/23

Left Out: 1484.485+/-0.383 χ^2/NDF:23225570.5/24

Right Out: 900.546+/-0.297 χ^2/NDF: 18877594.1/28

Left In: 4869.699+/-0.824 χ^2/NDF:1474252.6/22

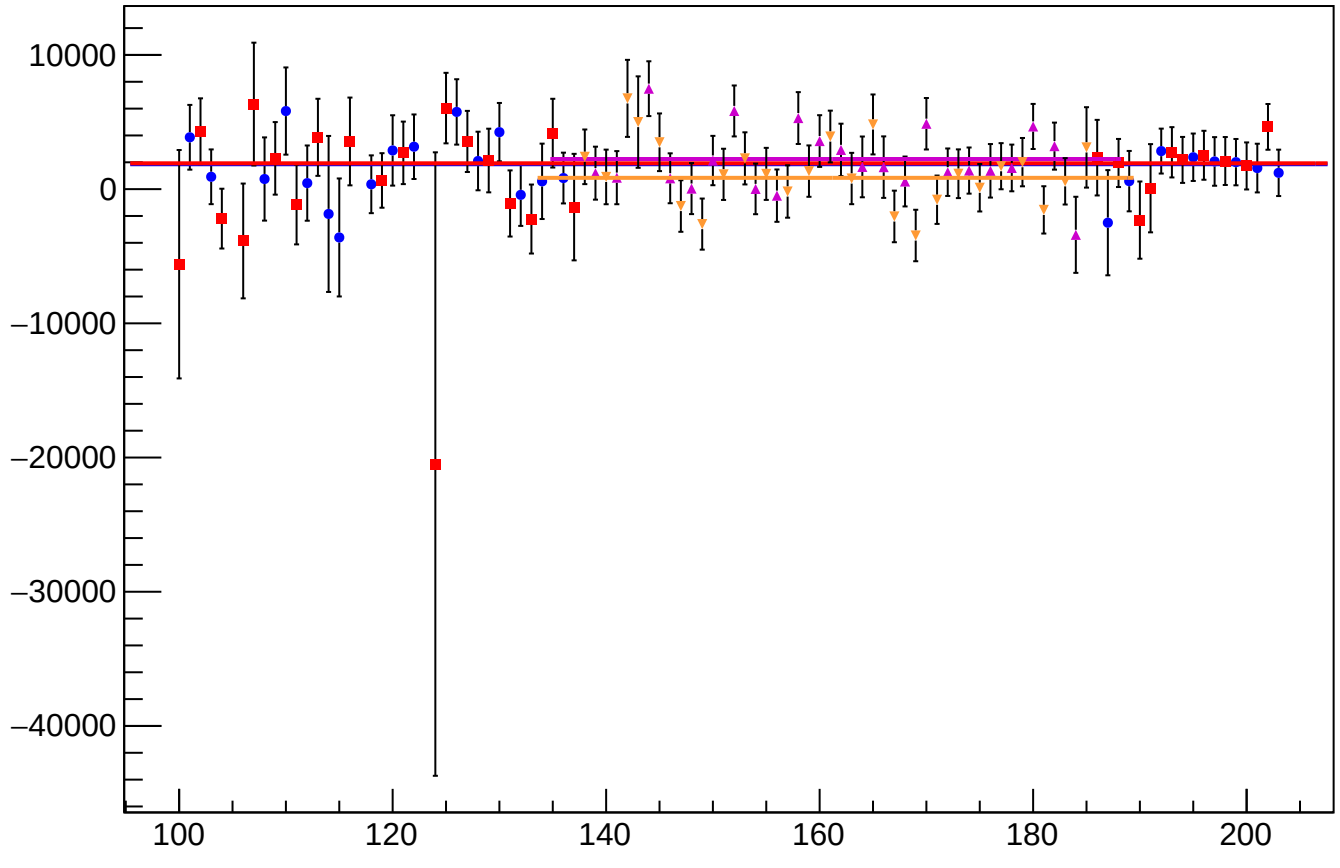
Left: 2085.382+/-0.347 χ^2/NDF: 38588136.1/47

Right: 1049.470+/-0.237 χ^2/NDF: 34713952.4/52

In: 1972.505+/-0.355 χ^2/NDF:31808005.8/46

Out: 1119.943+/-0.235 χ^2/NDF:43556536.9/53

All: 1378.930+/-0.196 χ^2/NDF: 79376943.3/1



Right In: 1855.392+/-458.570 χ^2/NDF: 13.1/23

Left Out: 841.564+/-394.444 χ^2/NDF:30.4/24

Right Out: 1925.385+/-447.891 χ^2/NDF: 25.0/28

Left In: 2245.061+/-400.753 χ^2/NDF:29.4/22

Left: 1532.178+/-281.118 χ^2/NDF: 66.0/47

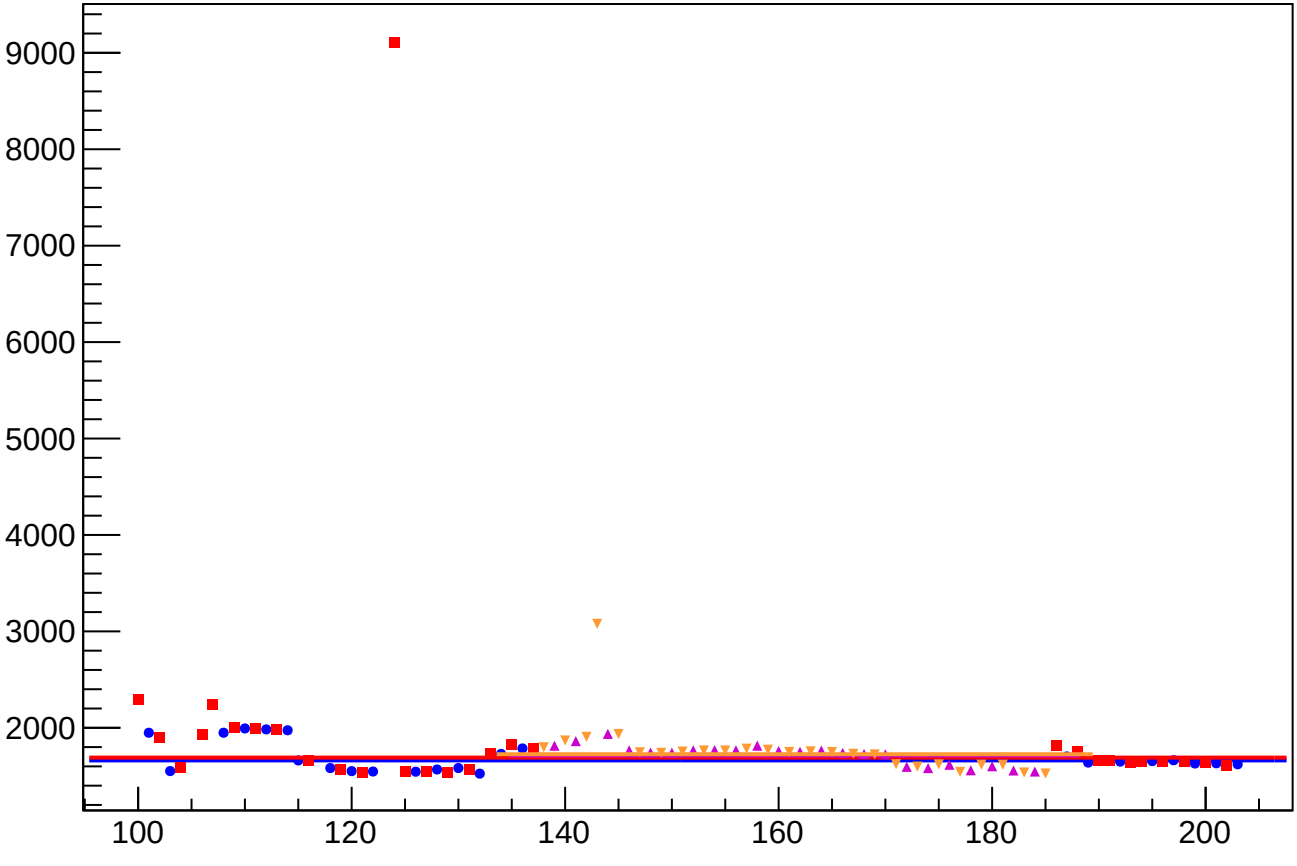
Right: 1891.213+/-320.416 χ^2/NDF: 38.1/52

In: 2076.326+/-301.759 χ^2/NDF:42.9/46

Out: 1314.982+/-296.016 χ^2/NDF:58.7/53

All: 1688.340+/-211.316 χ^2/NDF: 104.8/100

eigen_cor_asym_atl_avg_rms vs Slug, Sign Corrected



Right In: 1662.118+/-0.324 χ^2/NDF: 145761.7/23

Left Out: 1726.058+/-0.279 χ^2/NDF:454930.8/24

Right Out: 1690.869+/-0.316 χ^2/NDF: 406026.6/28

Left In: 1713.156+/-0.283 χ^2/NDF:129290.6/22

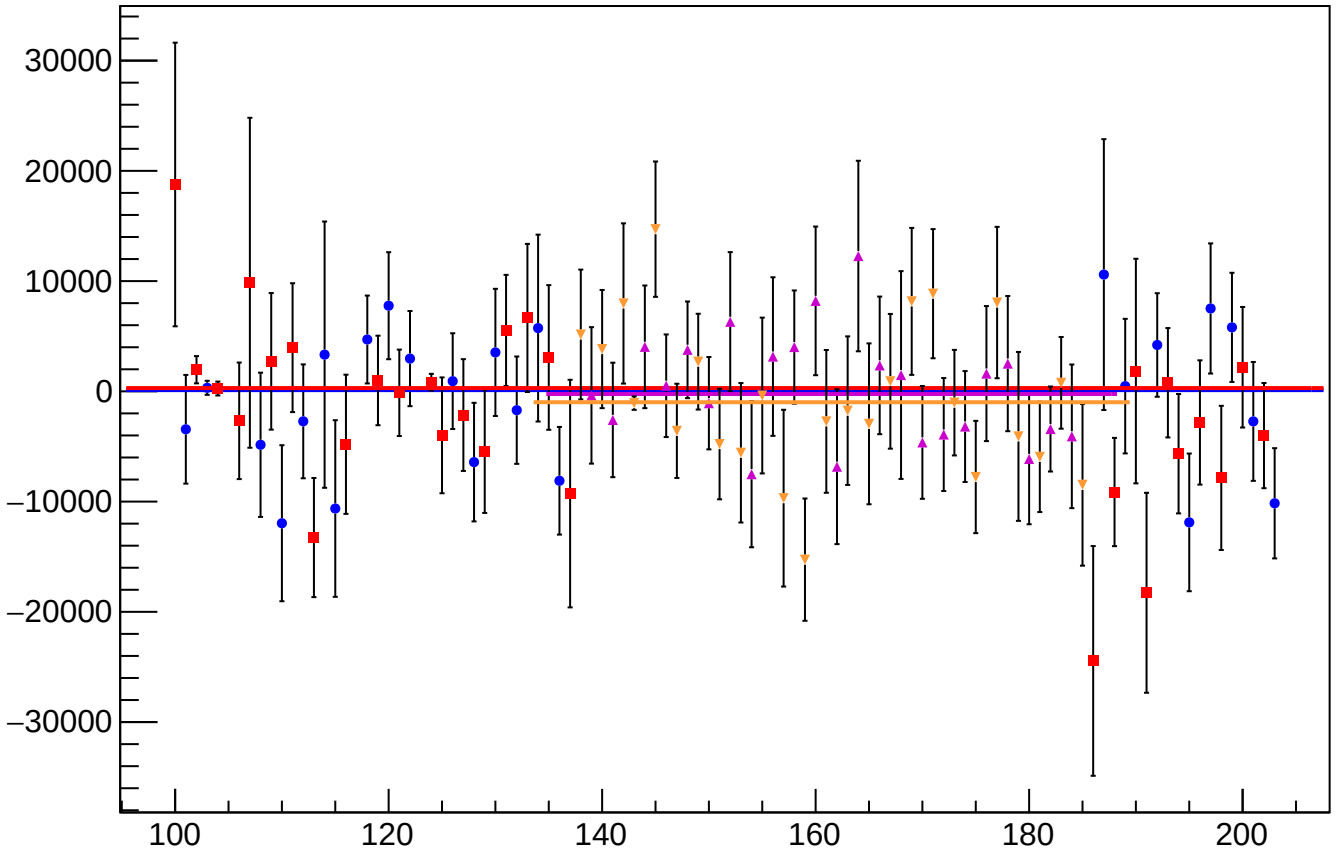
Left: 1719.709+/-0.199 χ^2/NDF: 585274.4/47

Right: 1676.862+/-0.226 χ^2/NDF: 555820.1/52

In: 1691.055+/-0.213 χ^2/NDF:289098.7/46

Out: 1710.652+/-0.209 χ^2/NDF:867926.4/53

All: 1701.051+/-0.149 χ^2/NDF: 1161327.2/10



Right In: 110.958+/-556.620 χ^2/NDF: 28.4/23

Left Out: -987.291+/-541.232 χ^2/NDF:30.8/24

Right Out: 296.674+/-419.880 χ^2/NDF: 35.1/28

Left In: -239.478+/-1165.045 χ^2/NDF:13.5/22

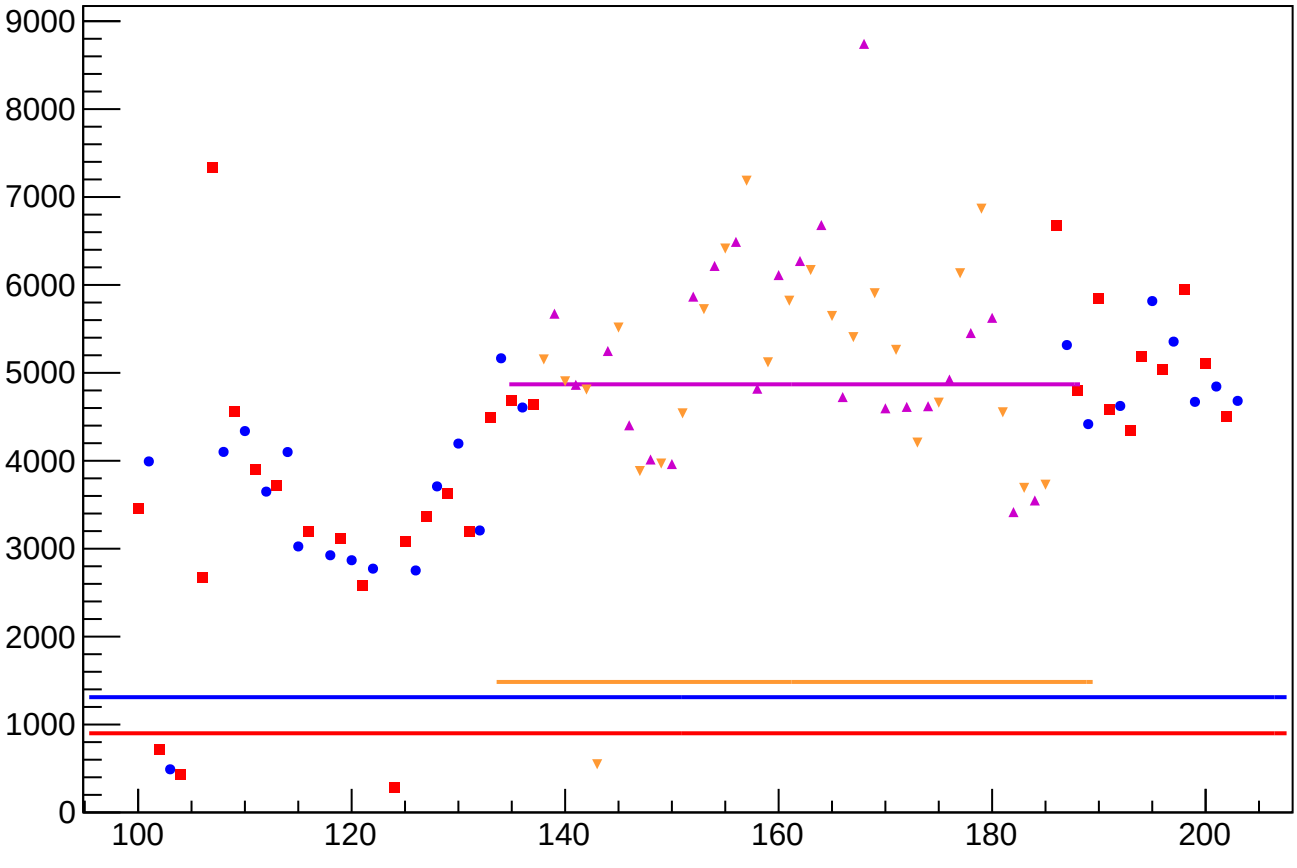
Left: -854.550+/-490.851 χ^2/NDF: 44.7/47

Right: 229.322+/-335.204 χ^2/NDF: 63.6/52

In: 45.833+/-502.242 χ^2/NDF:42.0/46

Out: -185.735+/-331.753 χ^2/NDF:69.5/53

All: -115.391+/-276.815 χ^2/NDF: 111.6/100



Right In: 1311.187+/-0.394 χ^2/NDF: 15142601.9/23

Left Out: 1484.485+/-0.383 χ^2/NDF:23225570.5/24

Right Out: 900.546+/-0.297 χ^2/NDF: 18877594.1/28

Left In: 4869.699+/-0.824 χ^2/NDF:1474252.6/22

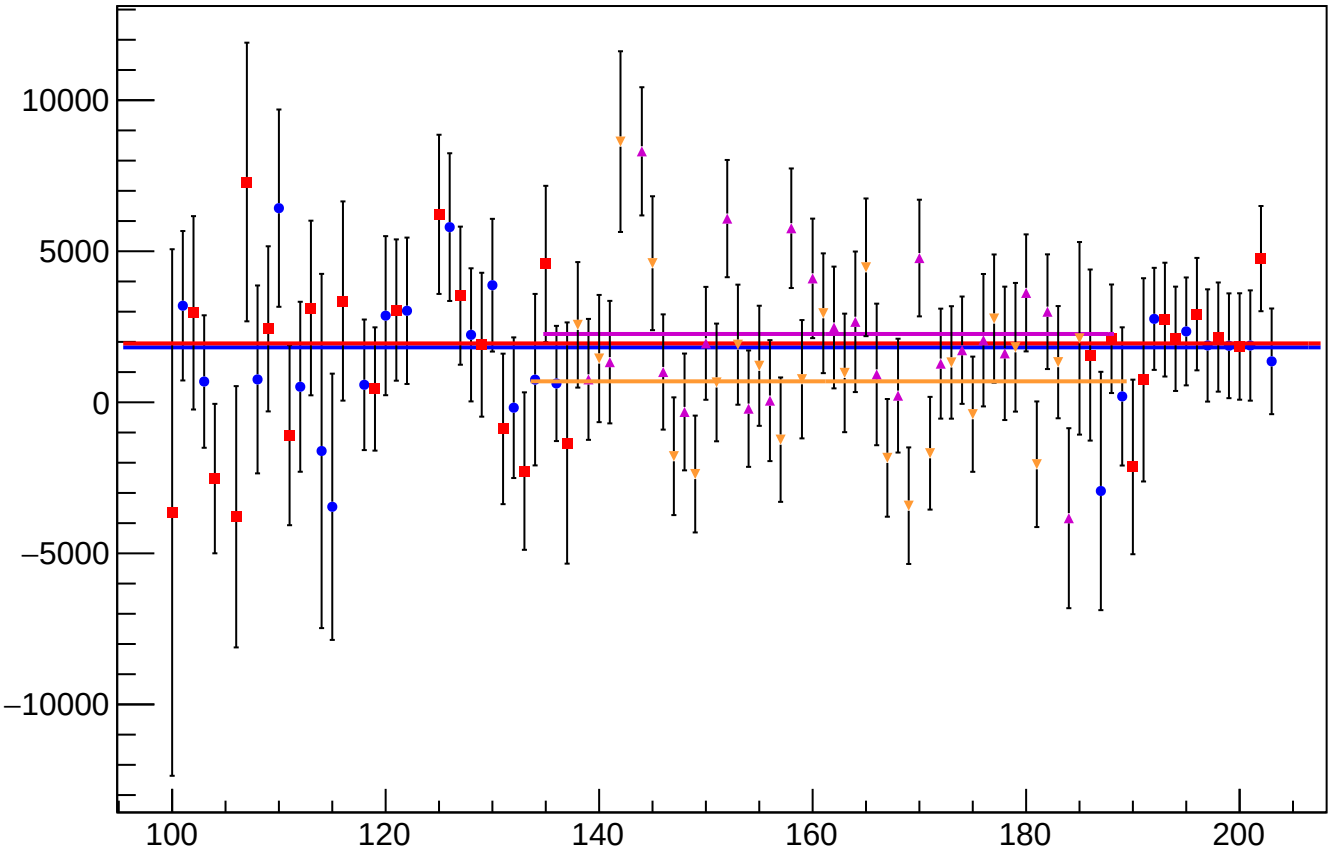
Left: 2085.382+/-0.347 χ^2/NDF: 38588136.1/47

Right: 1049.470+/-0.237 χ^2/NDF: 34713952.4/52

In: 1972.505+/-0.355 χ^2/NDF:31808005.8/46

Out: 1119.943+/-0.235 χ^2/NDF:43556536.9/53

All: 1378.930+/-0.196 χ^2/NDF: 79376943.3/1



Right In: 1818.607+/-464.368 χ^2/NDF: 12.7/23

Left Out: 694.317+/-418.051 χ^2/NDF:32.2/23

Right Out: 1949.871+/-456.643 χ^2/NDF: 23.0/27

Left In: 2261.767+/-419.177 χ^2/NDF:30.4/22

Left: 1475.934+/-296.004 χ^2/NDF: 69.6/46

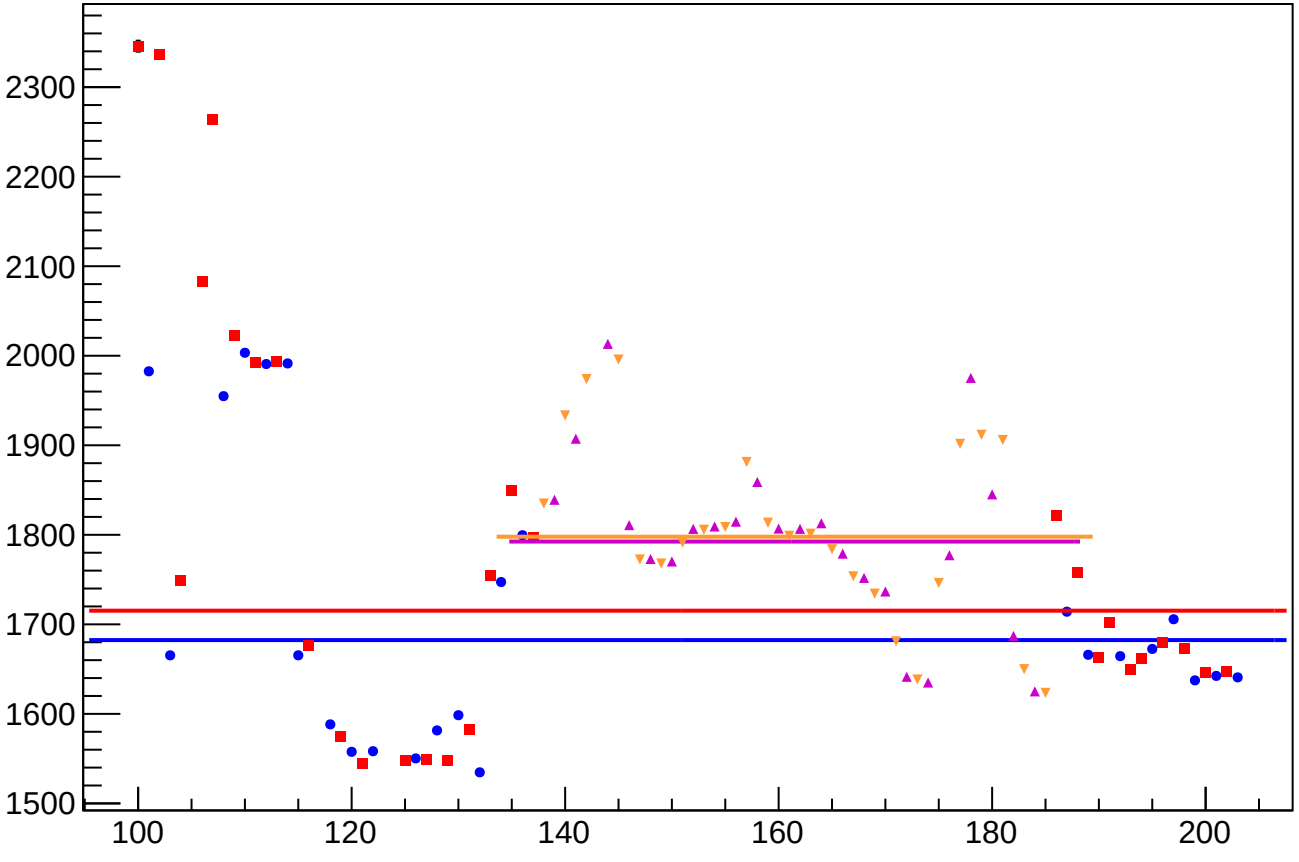
Right: 1885.340+/-325.592 χ^2/NDF: 35.8/51

In: 2062.795+/-311.156 χ^2/NDF:43.6/46

Out: 1266.806+/-308.349 χ^2/NDF:59.4/51

All: 1661.193+/-219.021 χ^2/NDF: 106.3/98

dit_asym_atl_avg_rms vs Slug, Sign Corrected



Right In: 1682.412+/-0.328 χ^2/NDF: 141280.0/23

Left Out: 1797.909+/-0.296 χ^2/NDF:98002.1/23

Right Out: 1715.260+/-0.323 χ^2/NDF: 271174.9/27

Left In: 1792.450+/-0.296 χ^2/NDF:92875.2/22

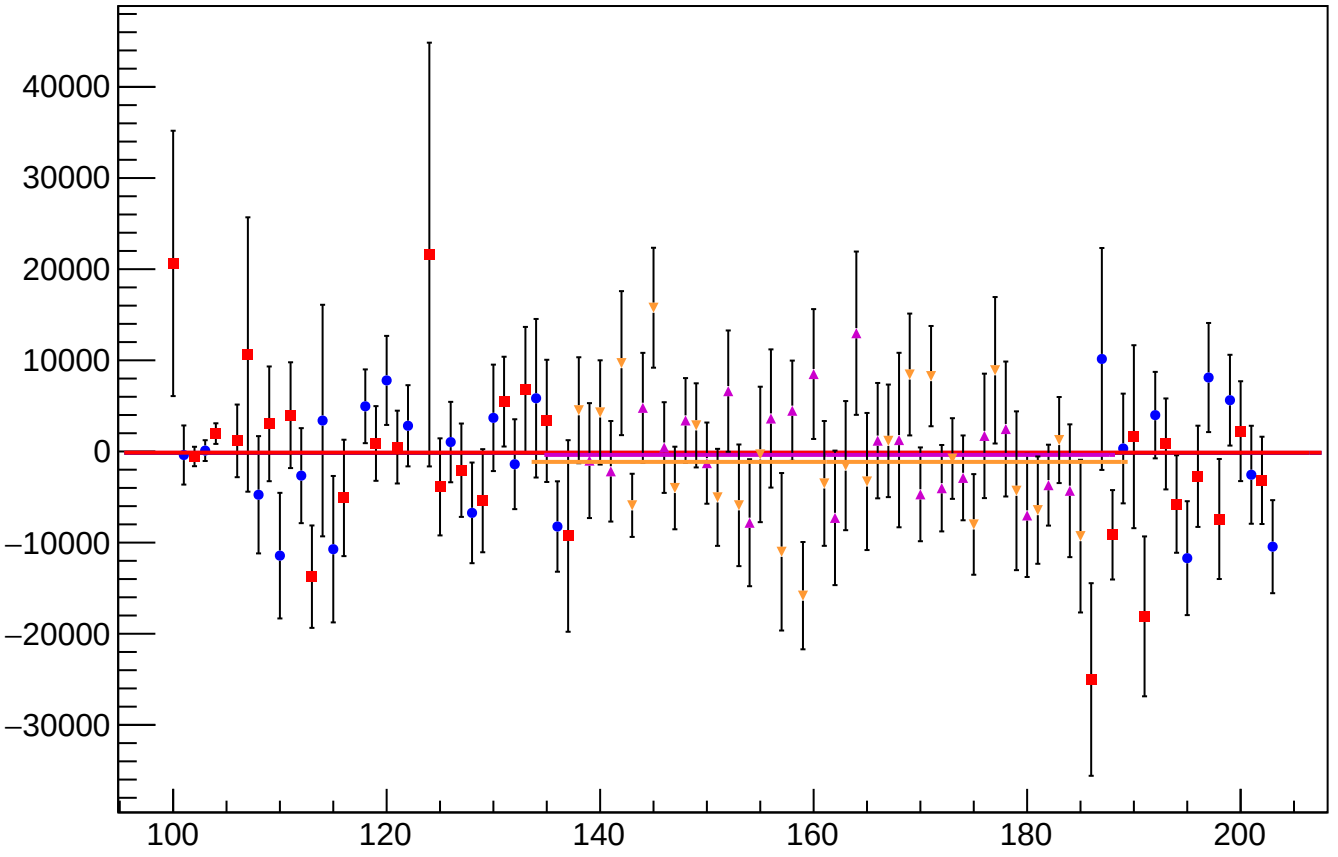
Left: 1795.187+/-0.209 χ^2/NDF: 191047.3/46

Right: 1699.130+/-0.230 χ^2/NDF: 417548.0/51

In: 1743.045+/-0.220 χ^2/NDF:296035.6/46

Out: 1760.180+/-0.218 χ^2/NDF:404862.5/51

All: 1751.694+/-0.155 χ^2/NDF: 703959.6/98



Right In: -157.569+/-797.084 χ^2/NDF: 27.5/23

Left Out: -1144.405+/-1164.458 χ^2/NDF:32.6/24

Right Out: -130.236+/-639.009 χ^2/NDF: 35.6/28

Left In: -374.927+/-1228.699 χ^2/NDF:13.3/22

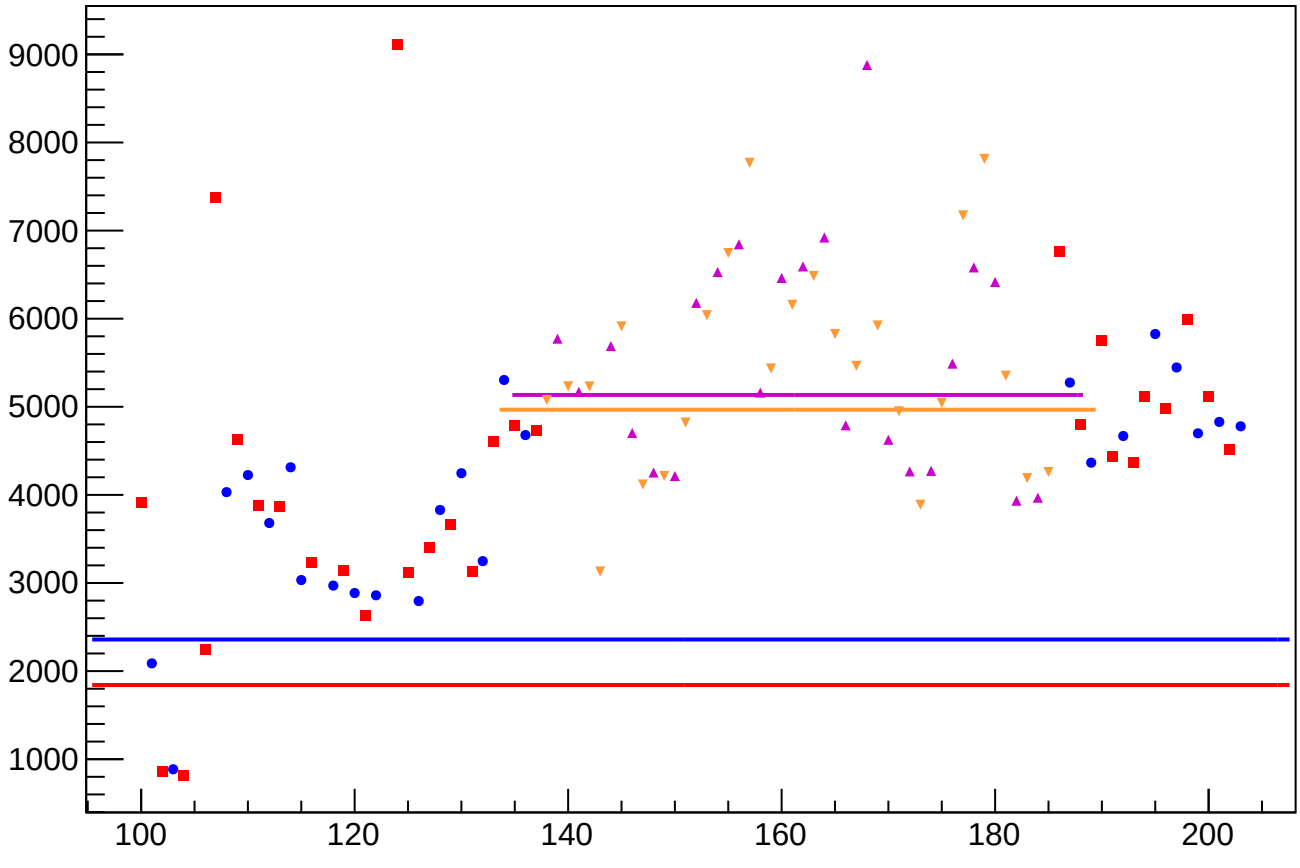
Left: -780.307+/-845.195 χ^2/NDF: 46.0/47

Right: -140.930+/-498.573 χ^2/NDF: 63.1/52

In: -221.949+/-668.700 χ^2/NDF:40.8/46

Out: -364.958+/-560.203 χ^2/NDF:68.7/53

All: -305.982+/-429.426 χ^2/NDF: 109.5/100



Right In: 2358.743+/-0.564 χ^2/NDF: 8286481.3/23

Left Out: 4966.879+/-0.823 χ^2/NDF:1917937.7/24

Right Out: 1842.338+/-0.452 χ^2/NDF: 12348537.9/28

Left In: 5134.445+/-0.869 χ^2/NDF:1487075.9/22

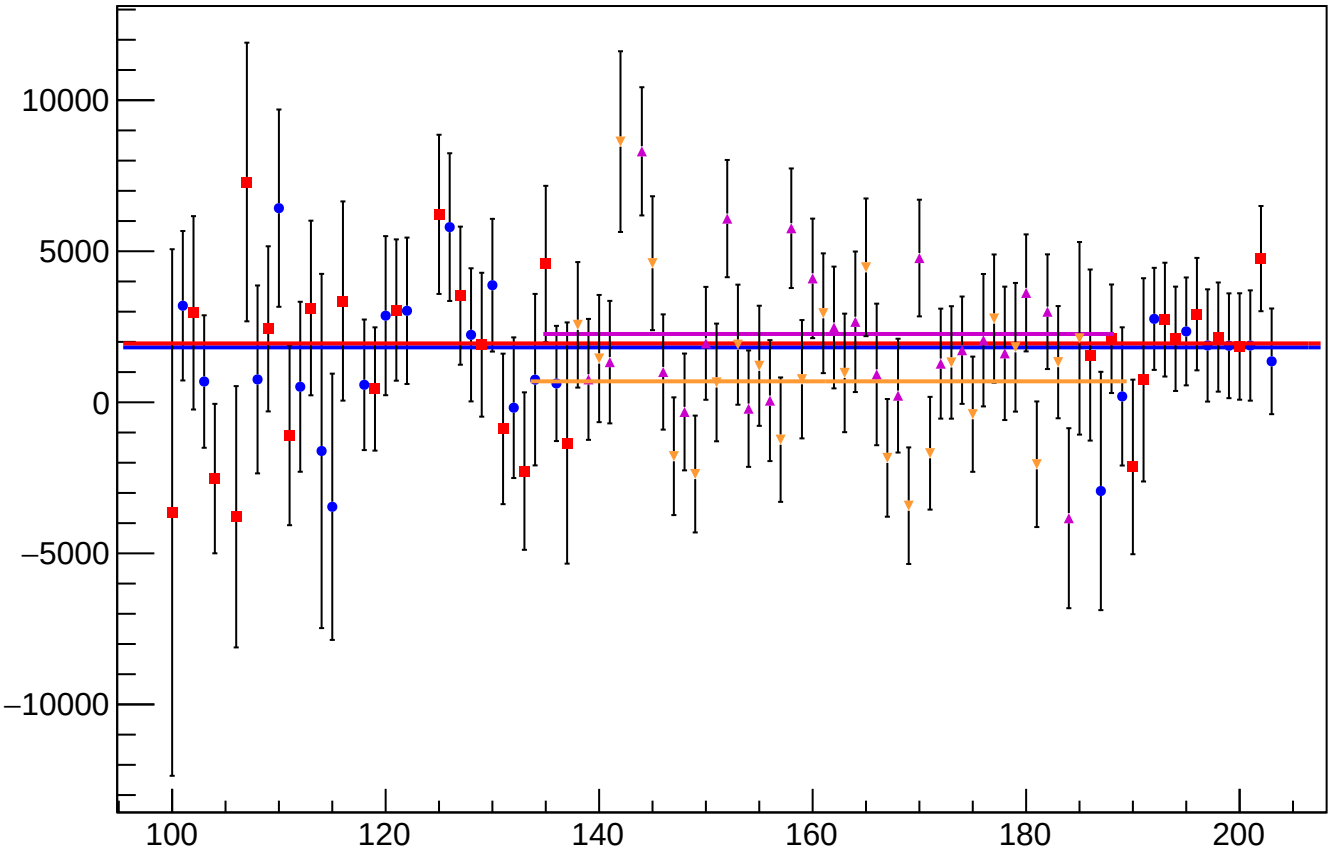
Left: 5046.167+/-0.598 χ^2/NDF: 3424610.1/47

Right: 2044.379+/-0.353 χ^2/NDF: 21146046.4/52

In: 3180.881+/-0.473 χ^2/NDF:16957110.6/46

Out: 2565.490+/-0.396 χ^2/NDF:25333502.7/53

All: 2819.274+/-0.304 χ^2/NDF: 43285915.5/



Right In: 1818.601+/-464.368 χ^2/NDF: 12.7/23

Left Out: 694.313+/-418.051 χ^2/NDF:32.2/23

Right Out: 1949.869+/-456.643 χ^2/NDF: 23.0/27

Left In: 2261.767+/-419.177 χ^2/NDF:30.4/22

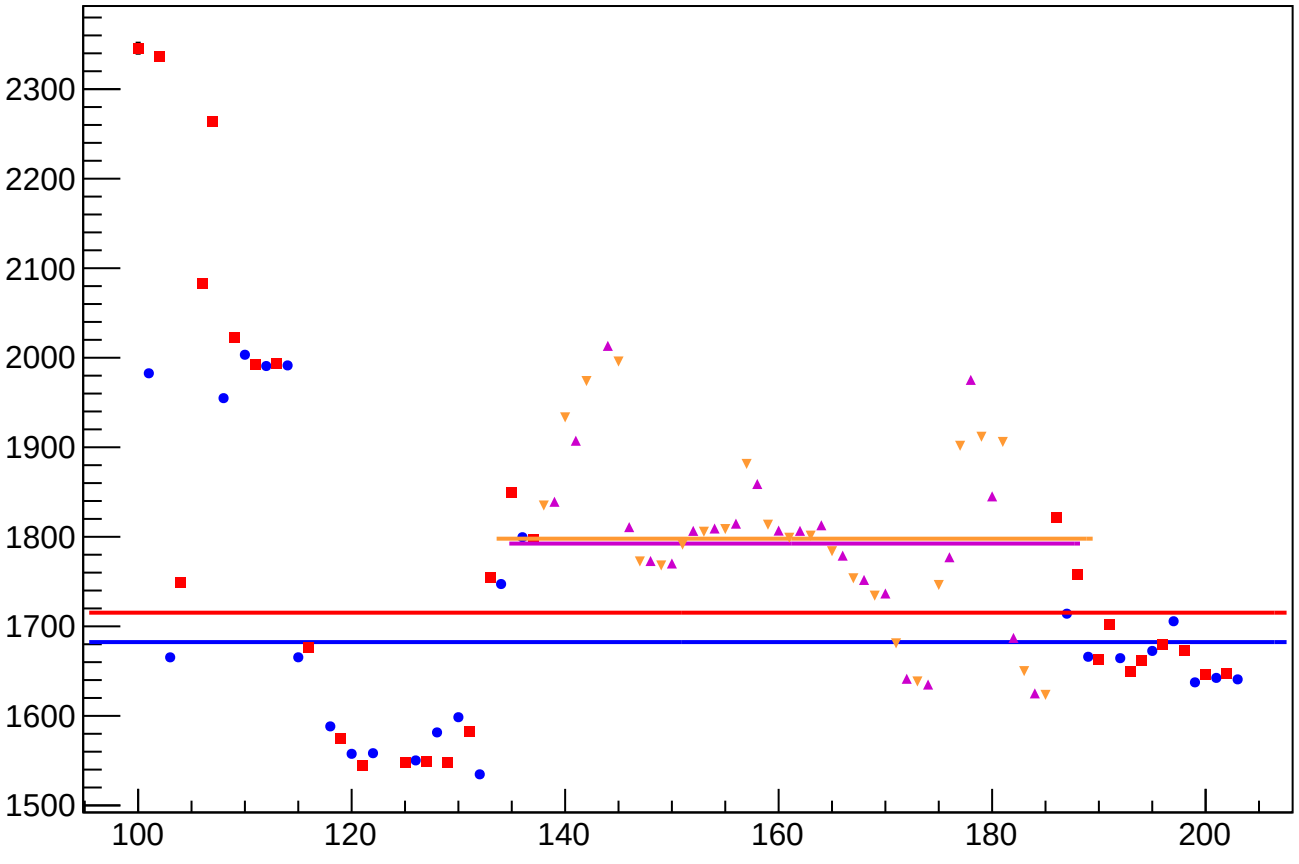
Left: 1475.932+/-296.004 χ^2/NDF: 69.6/46

Right: 1885.336+/-325.592 χ^2/NDF: 35.8/51

In: 2062.791+/-311.156 χ^2/NDF:43.6/46

Out: 1266.803+/-308.349 χ^2/NDF:59.4/51

All: 1661.190+/-219.021 χ^2/NDF: 106.3/98



Right In: 1682.412+/-0.328 χ^2/NDF: 141280.2/23

Left Out: 1797.911+/-0.296 χ^2/NDF:98005.5/23

Right Out: 1715.260+/-0.323 χ^2/NDF: 271174.2/27

Left In: 1792.451+/-0.296 χ^2/NDF:92878.6/22

Left: 1795.188+/-0.209 χ^2/NDF: 191054.1/46

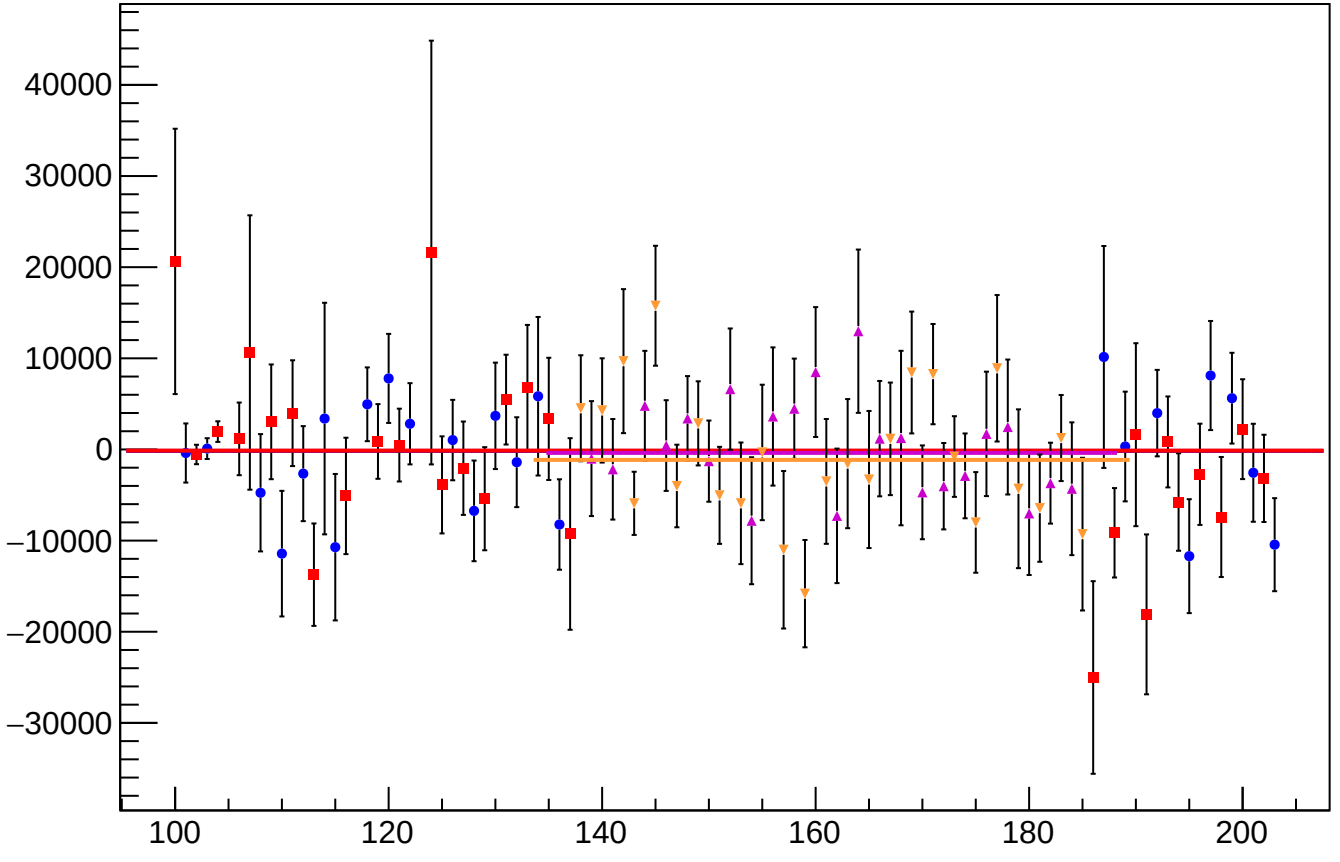
Right: 1699.130+/-0.230 χ^2/NDF: 417547.4/51

In: 1743.045+/-0.220 χ^2/NDF:296040.5/46

Out: 1760.180+/-0.218 χ^2/NDF:404866.4/51

All: 1751.695+/-0.155 χ^2/NDF: 703968.4/98

asym_atl_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -157.564+/-797.080 χ^2/NDF: 27.5/23

Left Out: -1144.411+/-1164.460 χ^2/NDF:32.6/24

Right Out: -130.230+/-639.005 χ^2/NDF: 35.6/28

Left In: -374.928+/-1228.701 χ^2/NDF:13.3/22

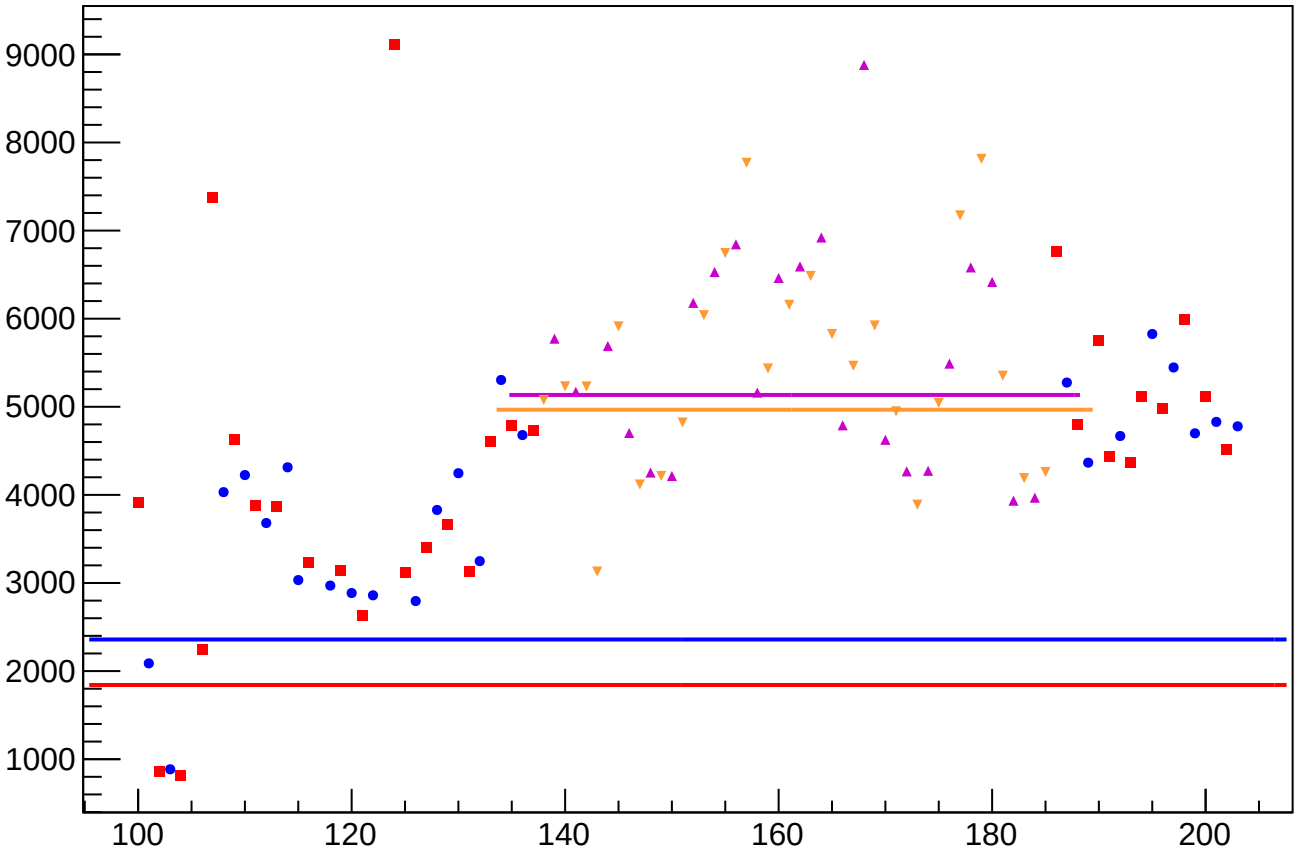
Left: -780.311+/-845.196 χ^2/NDF: 46.0/47

Right: -140.924+/-498.570 χ^2/NDF: 63.1/52

In: -221.945+/-668.698 χ^2/NDF:40.8/46

Out: -364.951+/-560.200 χ^2/NDF:68.7/53

All: -305.976+/-429.424 χ^2/NDF: 109.5/100



Right In: 2358.723+/-0.564 χ^2/NDF: 8286575.4/23

Left Out: 4966.886+/-0.823 χ^2/NDF:1917943.9/24

Right Out: 1842.321+/-0.452 χ^2/NDF: 12348637.3/28

Left In: 5134.453+/-0.869 χ^2/NDF:1487077.8/22

Left: 5046.175+/-0.598 χ^2/NDF: 3424618.3/47

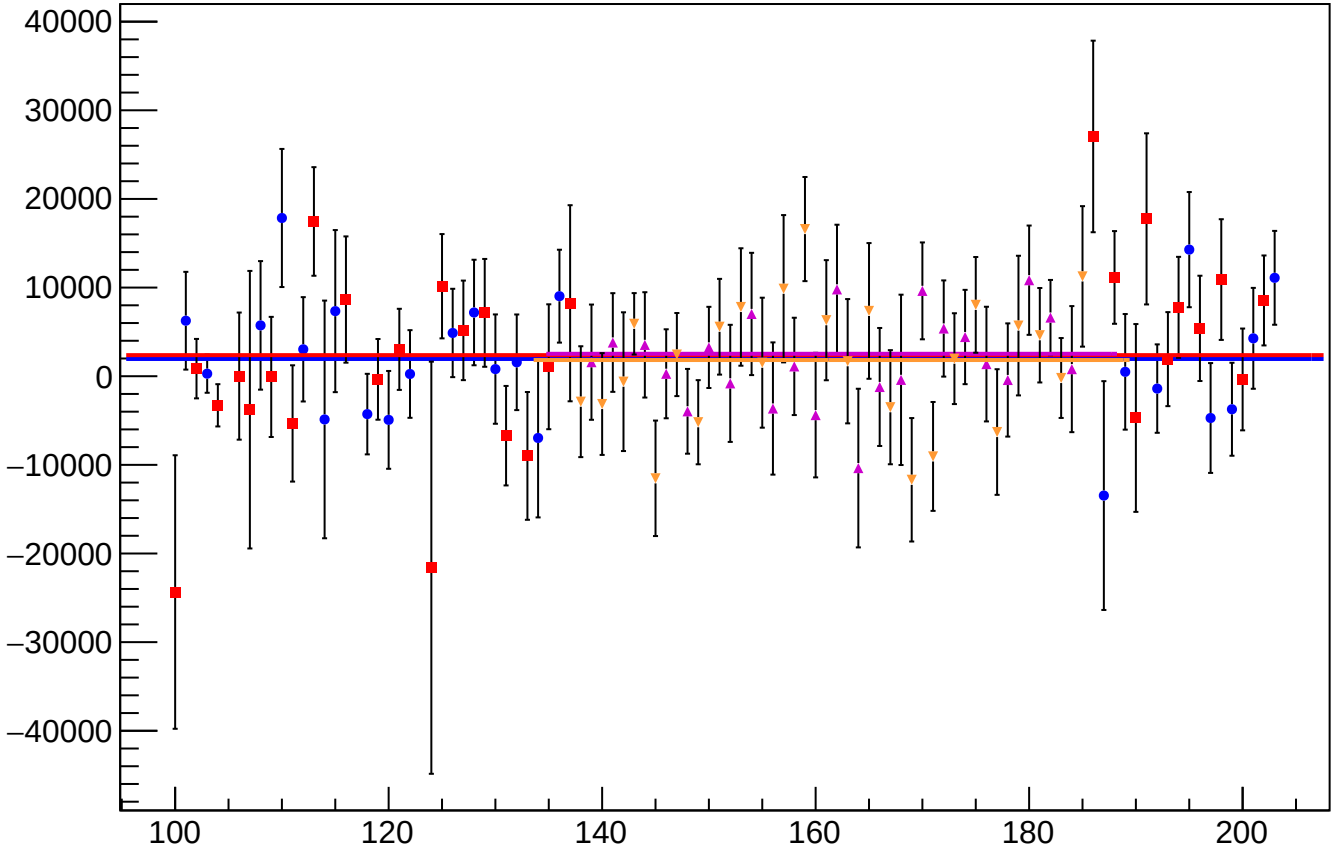
Right: 2044.360+/-0.353 χ^2/NDF: 21146242.6/52

In: 3180.862+/-0.473 χ^2/NDF:16957355.1/46

Out: 2565.469+/-0.396 χ^2/NDF:25333790.6/53

All: 2819.253+/-0.304 χ^2/NDF: 43286460.6/

asym_atl_avg_mean vs Slug, Sign Corrected



Right In: 1946.010+/-1082.708 χ^2/NDF: 24.8/23

Left Out: 1826.201+/-1172.478 χ^2/NDF:31.1/24

Right Out: 2378.153+/-1054.636 χ^2/NDF: 42.4/28

Left In: 2529.501+/-1242.040 χ^2/NDF:13.2/22

Left: 2157.606+/-852.599 χ^2/NDF: 44.4/47

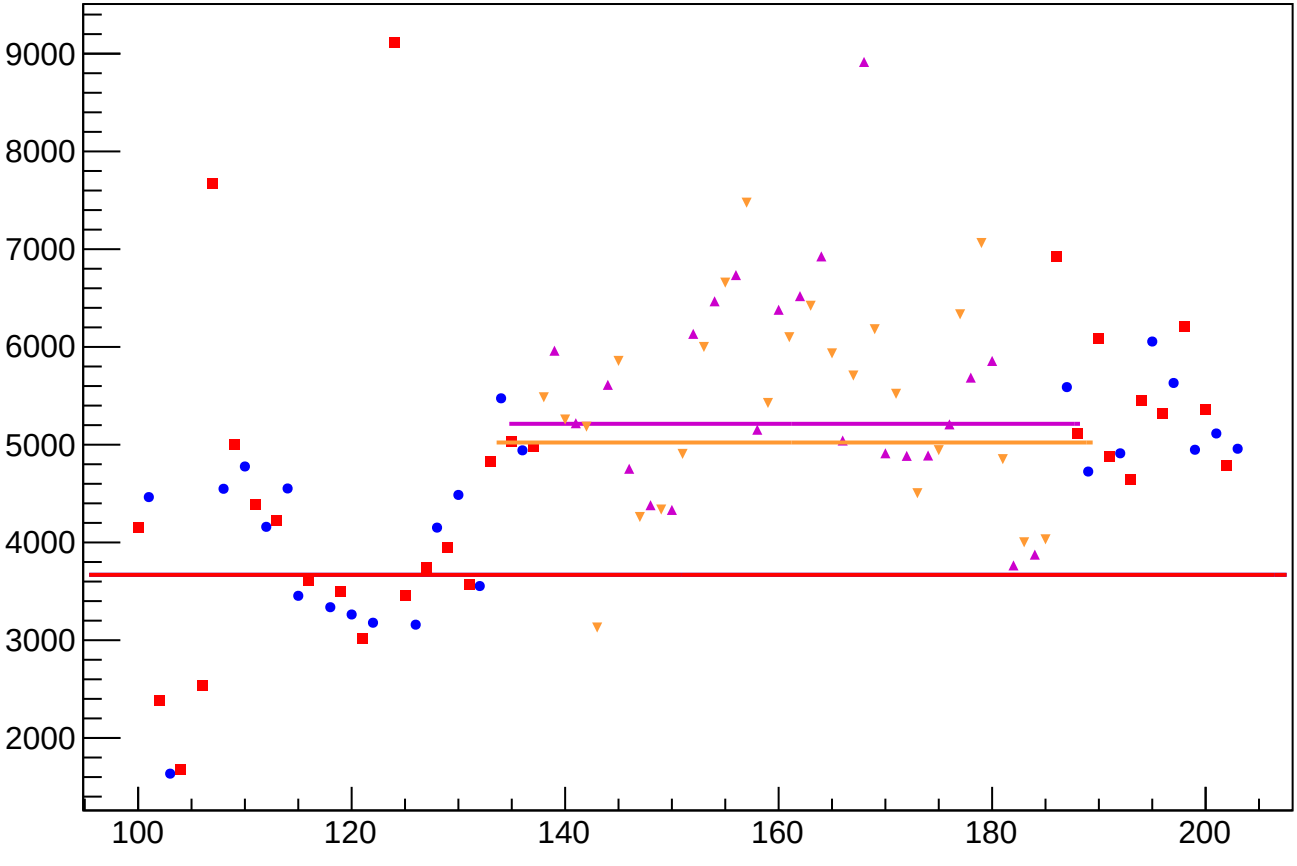
Right: 2167.757+/-755.470 χ^2/NDF: 67.3/52

In: 2197.952+/-816.147 χ^2/NDF:38.1/46

Out: 2131.301+/-784.102 χ^2/NDF:73.6/53

All: 2163.292+/-565.433 χ^2/NDF: 111.7/100

asym_atl_avg_rms vs Slug, Sign Corrected



Right In: 3669.127+/-0.766 χ^2/NDF: 3288792.8/23

Left Out: 5022.407+/-0.829 χ^2/NDF:1676611.8/24

Right Out: 3668.823+/-0.737 χ^2/NDF: 3801989.3/28

Left In: 5213.625+/-0.878 χ^2/NDF:1223192.9/22

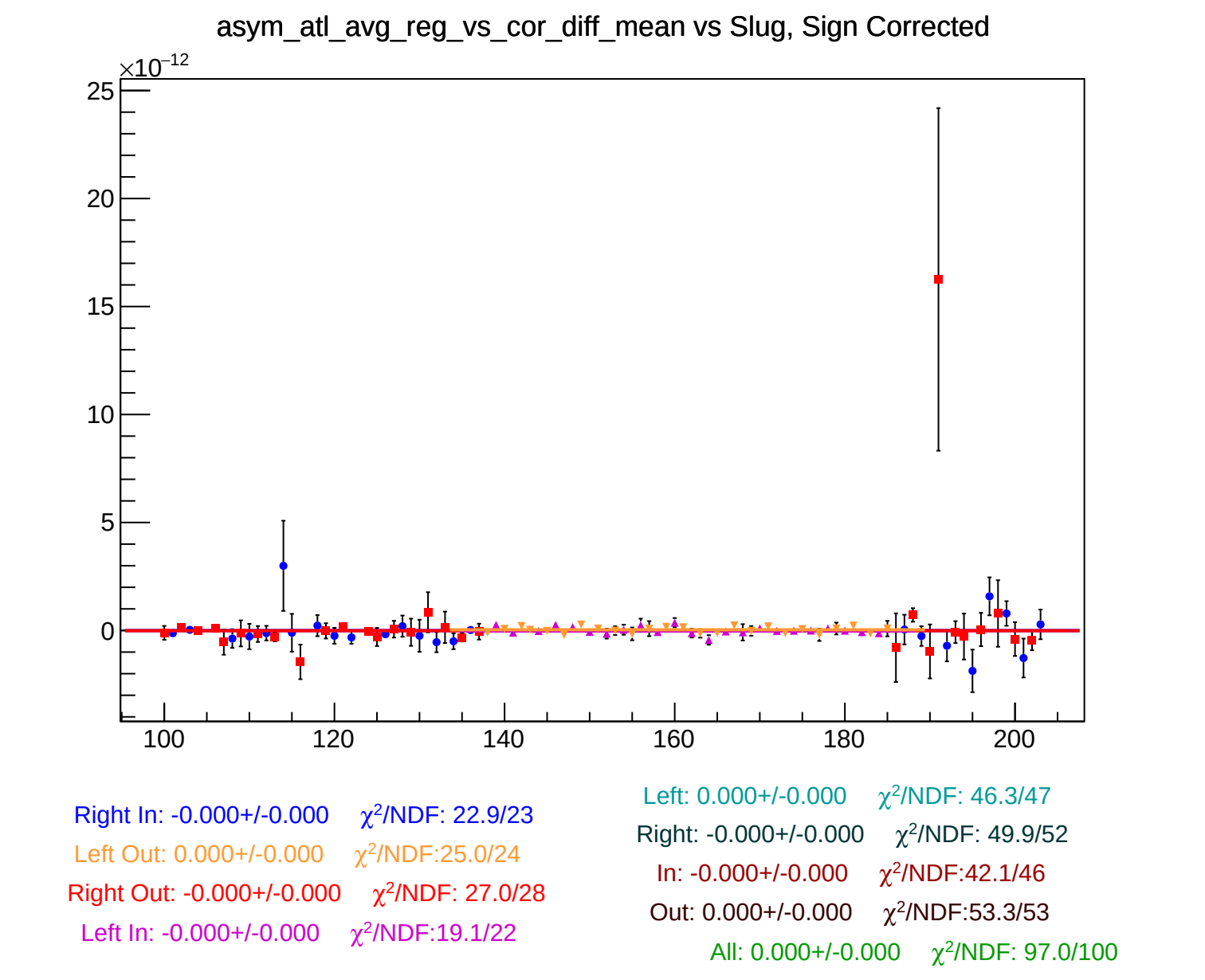
Left: 5112.512+/-0.603 χ^2/NDF: 2924871.4/47

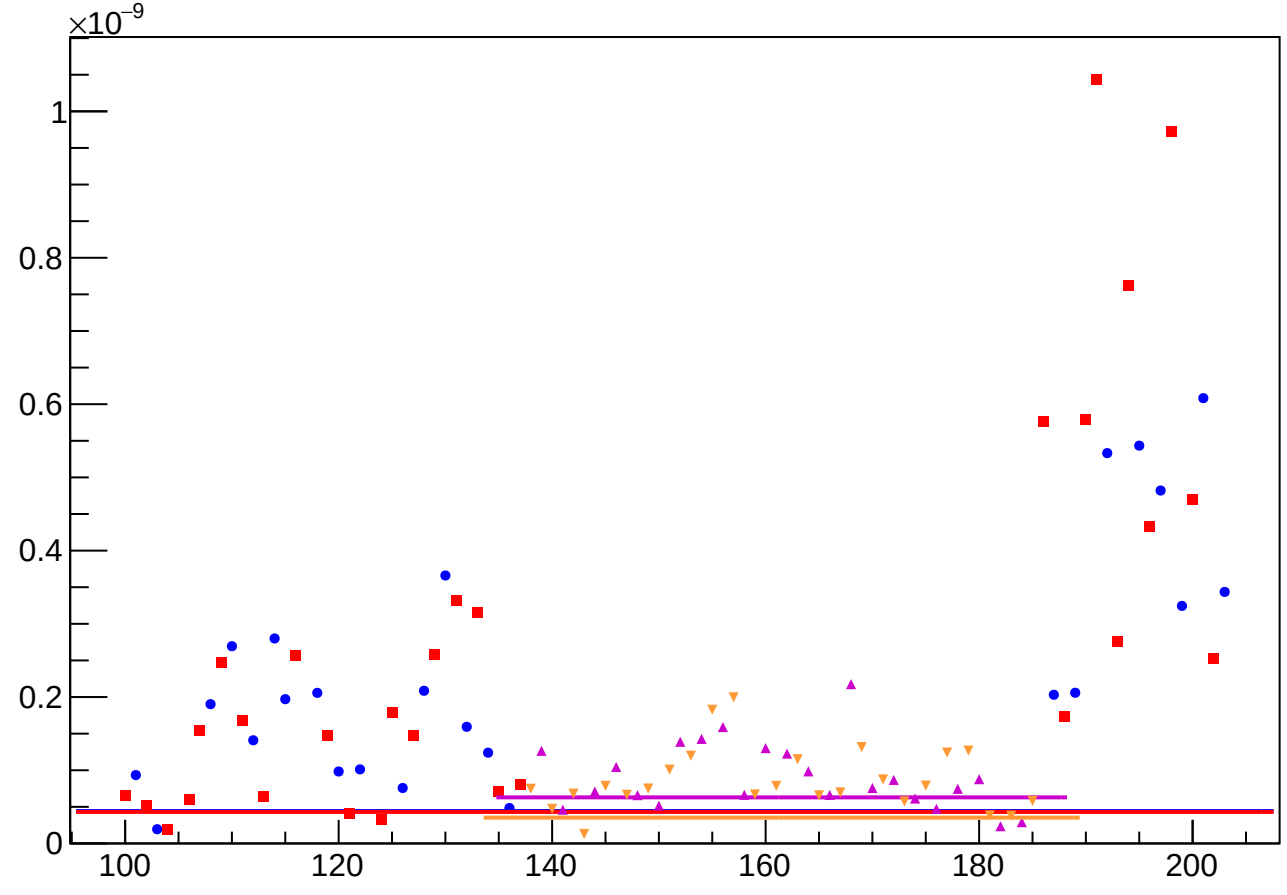
Right: 3668.970+/-0.531 χ^2/NDF: 7090782.2/52

In: 4336.014+/-0.577 χ^2/NDF:6269294.1/46

Out: 4266.586+/-0.551 χ^2/NDF:6967017.7/53

All: 4299.691+/-0.399 χ^2/NDF: 13243883.8/1


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: 22.9/23
Left Out: 0.000+/-0.000 χ²/NDF:25.0/24
Right Out: -0.000+/-0.000 χ²/NDF: 27.0/28
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: 49.9/52
In: -0.000+/-0.000 χ²/NDF:42.1/46
Out: 0.000+/-0.000 χ²/NDF:53.3/53
All: 0.000+/-0.000 χ²/NDF: 97.0/100



Right In: 0.000+/-0.000 χ^2/NDF: 6887454.1/23

Left Out: 0.000+/-0.000 χ^2/NDF:6511119.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 7330831.8/28

Left In: 0.000+/-0.000 χ^2/NDF:2934305.1/22

Left: 0.000+/-0.000 χ^2/NDF: 10839622.8/47

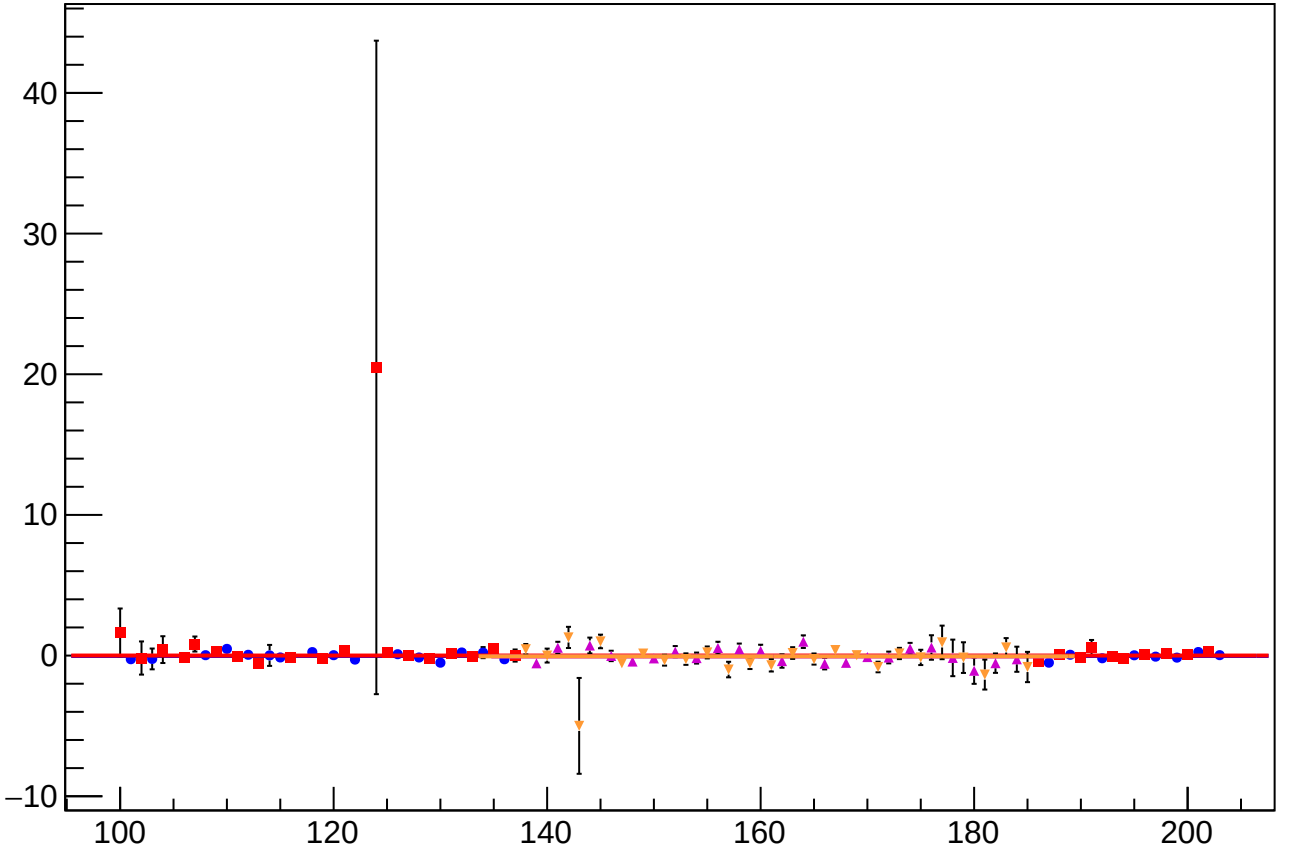
Right: 0.000+/-0.000 χ^2/NDF: 14219456.3/52

In: 0.000+/-0.000 χ^2/NDF:10191879.9/46

Out: 0.000+/-0.000 χ^2/NDF:13931598.9/53

All: 0.000+/-0.000 χ^2/NDF: 25059094.7/100

asym_atl_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.030+/-0.045 χ^2/NDF: 23.2/23

Left Out: -0.054+/-0.085 χ^2/NDF:33.1/24

Right Out: 0.003+/-0.039 χ^2/NDF: 30.9/28

Left In: -0.063+/-0.083 χ^2/NDF:28.0/22

Left: -0.059+/-0.059 χ^2/NDF: 61.1/47

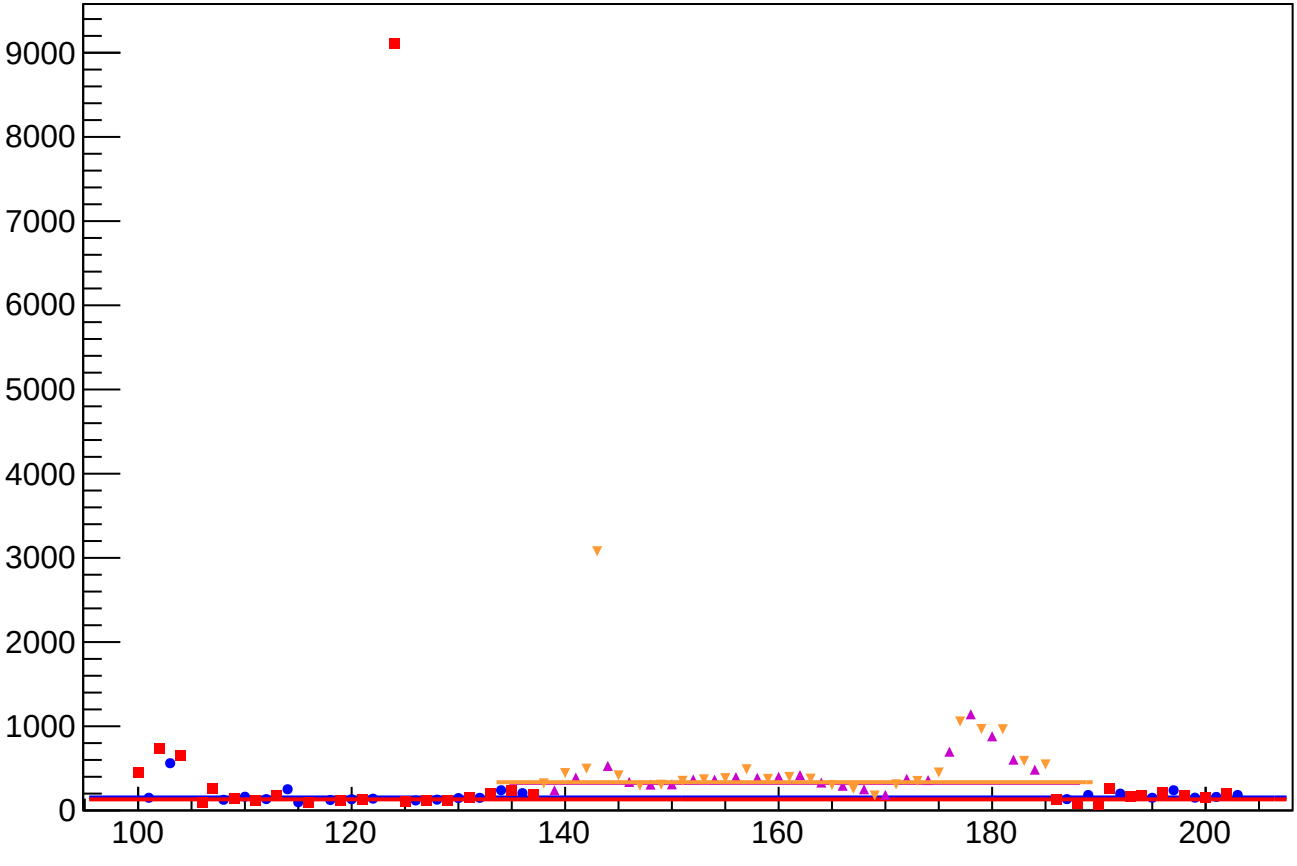
Right: -0.011+/-0.030 χ^2/NDF: 54.5/52

In: -0.038+/-0.040 χ^2/NDF:51.3/46

Out: -0.007+/-0.036 χ^2/NDF:64.4/53

All: -0.021+/-0.027 χ^2/NDF: 116.1/100

asym_atl_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 154.262+/-0.032 χ^2/NDF: 1539051.3/23

Left Out: 335.166+/-0.060 χ^2/NDF:5852083.8/24

Right Out: 131.711+/-0.028 χ^2/NDF: 3850357.1/28

Left In: 327.572+/-0.059 χ^2/NDF:4153081.9/22

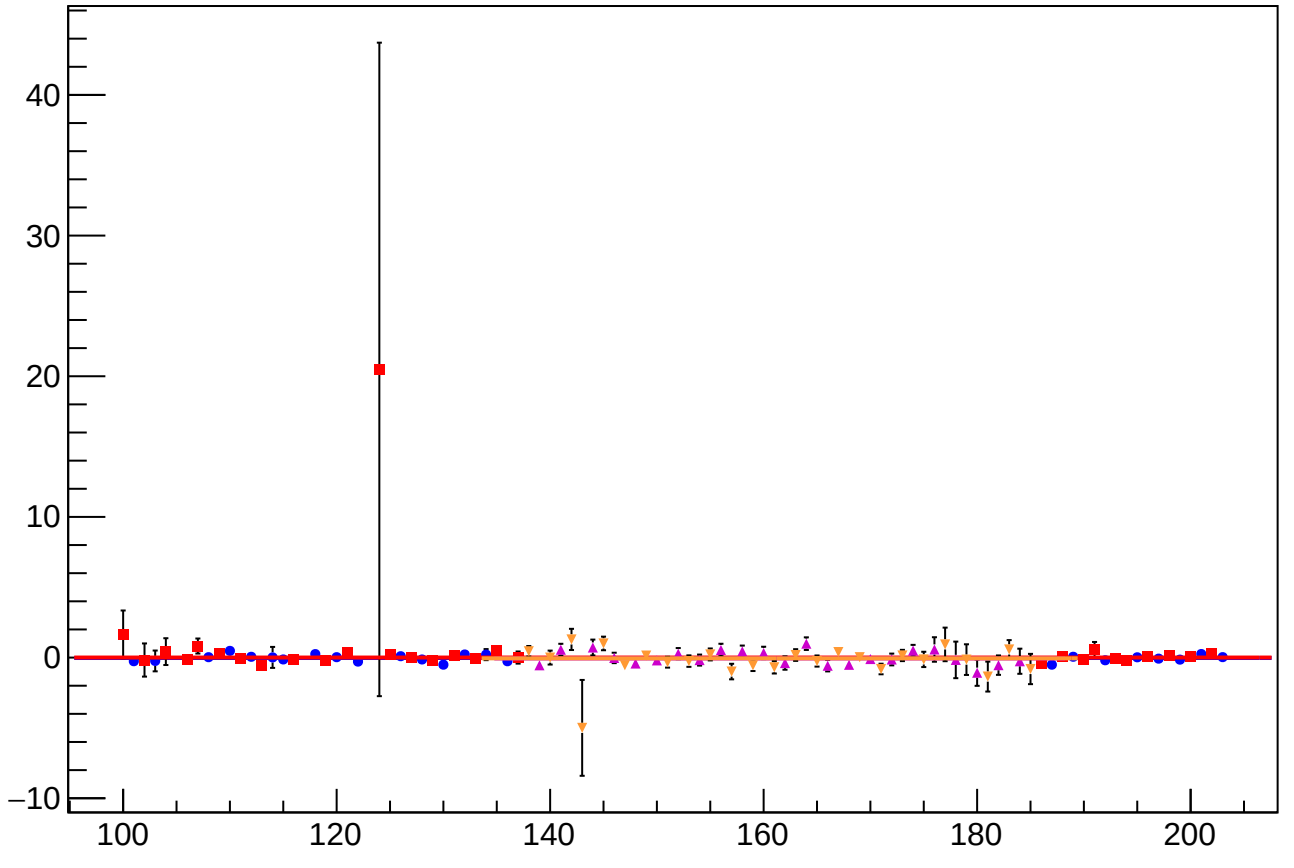
Left: 331.284+/-0.042 χ^2/NDF: 10013400.4/47

Right: 141.400+/-0.021 χ^2/NDF: 5669608.8/52

In: 194.503+/-0.028 χ^2/NDF:12429814.1/46

Out: 168.107+/-0.025 χ^2/NDF:19198105.9/53

All: 179.885+/-0.019 χ^2/NDF: 32113405.8/10



Right In: -0.030+/-0.045 χ^2/NDF: 23.2/23

Left Out: -0.054+/-0.085 χ^2/NDF:33.1/24

Right Out: 0.003+/-0.039 χ^2/NDF: 30.9/28

Left In: -0.063+/-0.083 χ^2/NDF:28.0/22

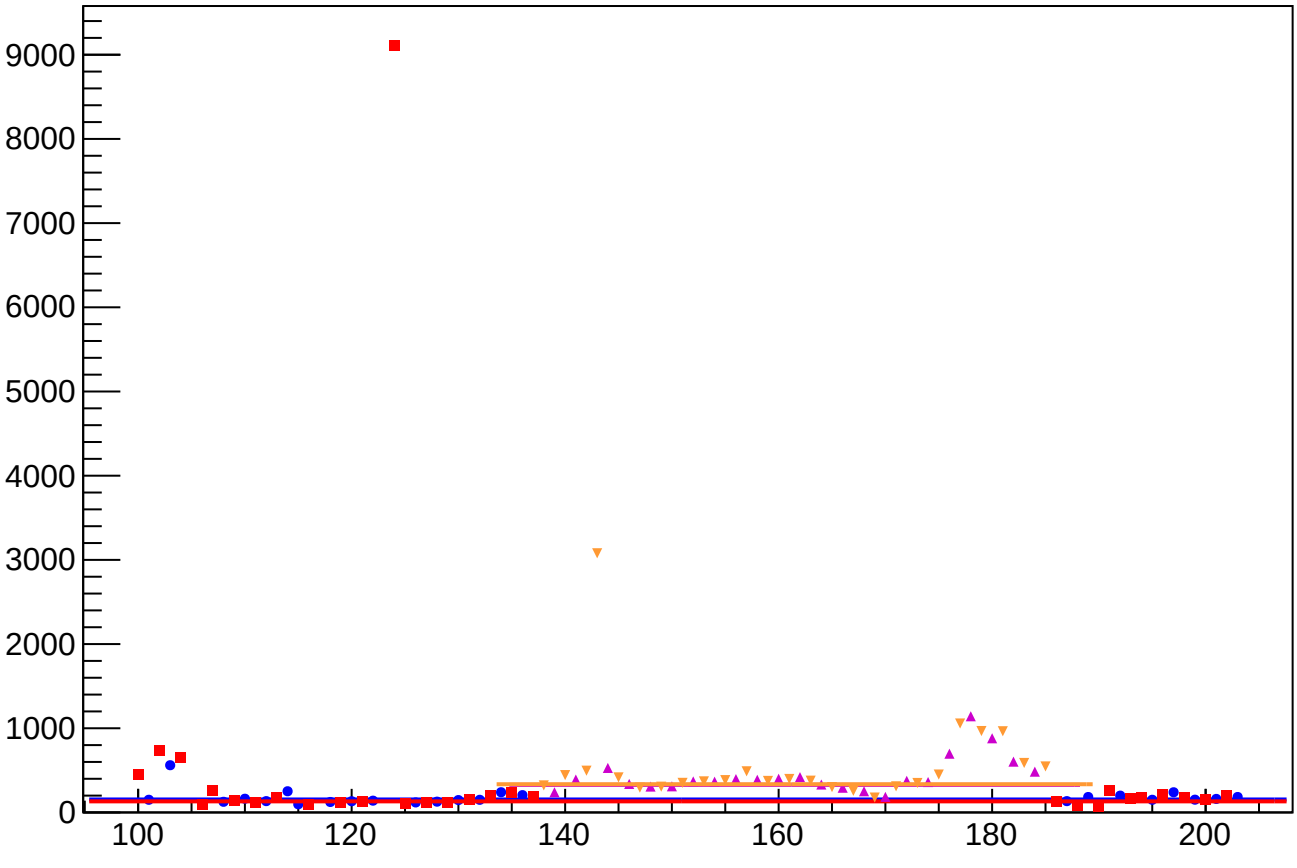
Left: -0.059+/-0.059 χ^2/NDF: 61.1/47

Right: -0.011+/-0.030 χ^2/NDF: 54.5/52

In: -0.038+/-0.040 χ^2/NDF:51.3/46

Out: -0.007+/-0.036 χ^2/NDF:64.4/53

All: -0.021+/-0.027 χ^2/NDF: 116.1/100



Right In: 154.262+/-0.032 χ^2/NDF: 1539051.3/23

Left Out: 335.166+/-0.060 χ^2/NDF:5852083.8/24

Right Out: 131.711+/-0.028 χ^2/NDF: 3850357.1/28

Left In: 327.572+/-0.059 χ^2/NDF:4153081.9/22

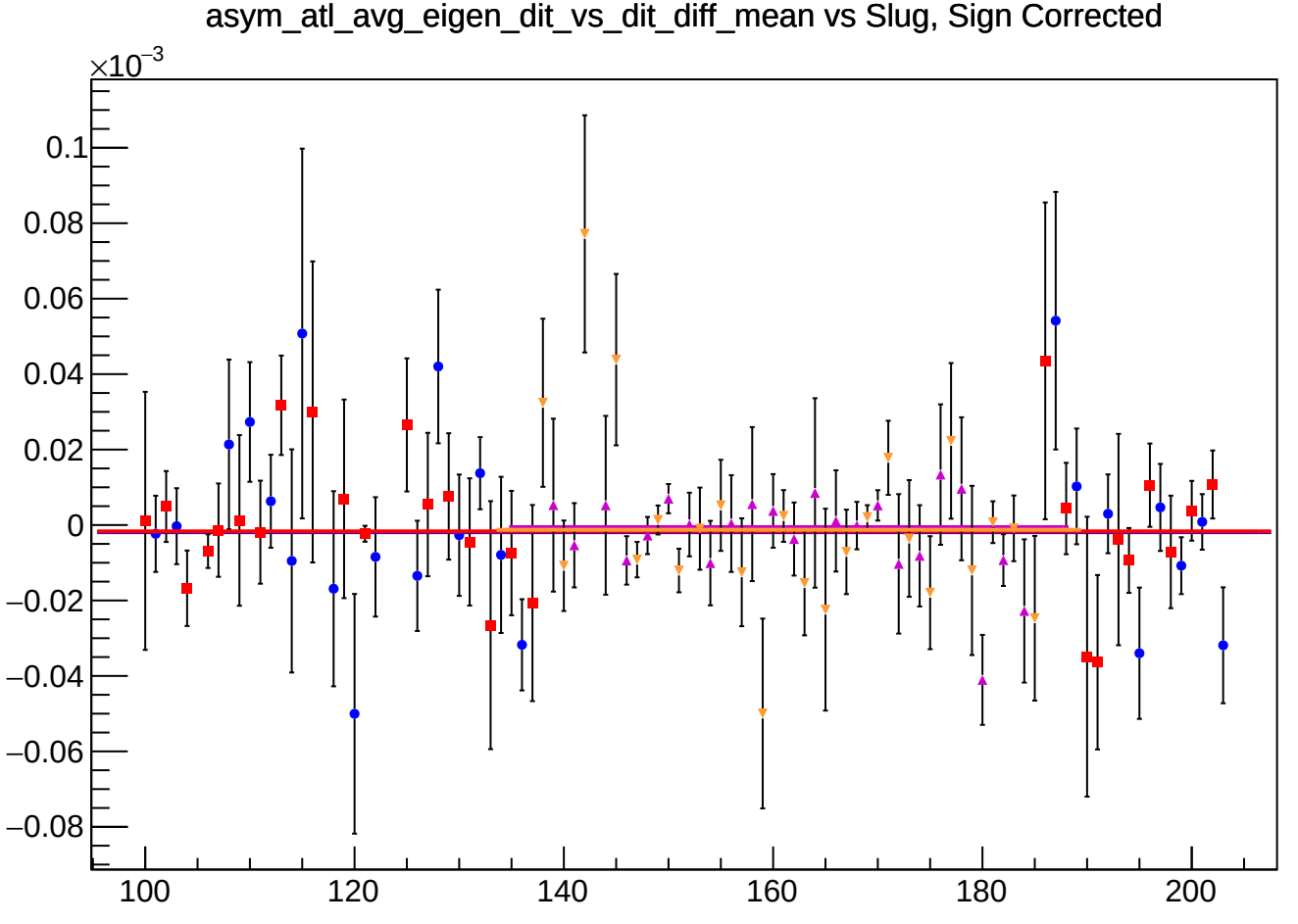
Left: 331.284+/-0.042 χ^2/NDF: 10013400.4/47

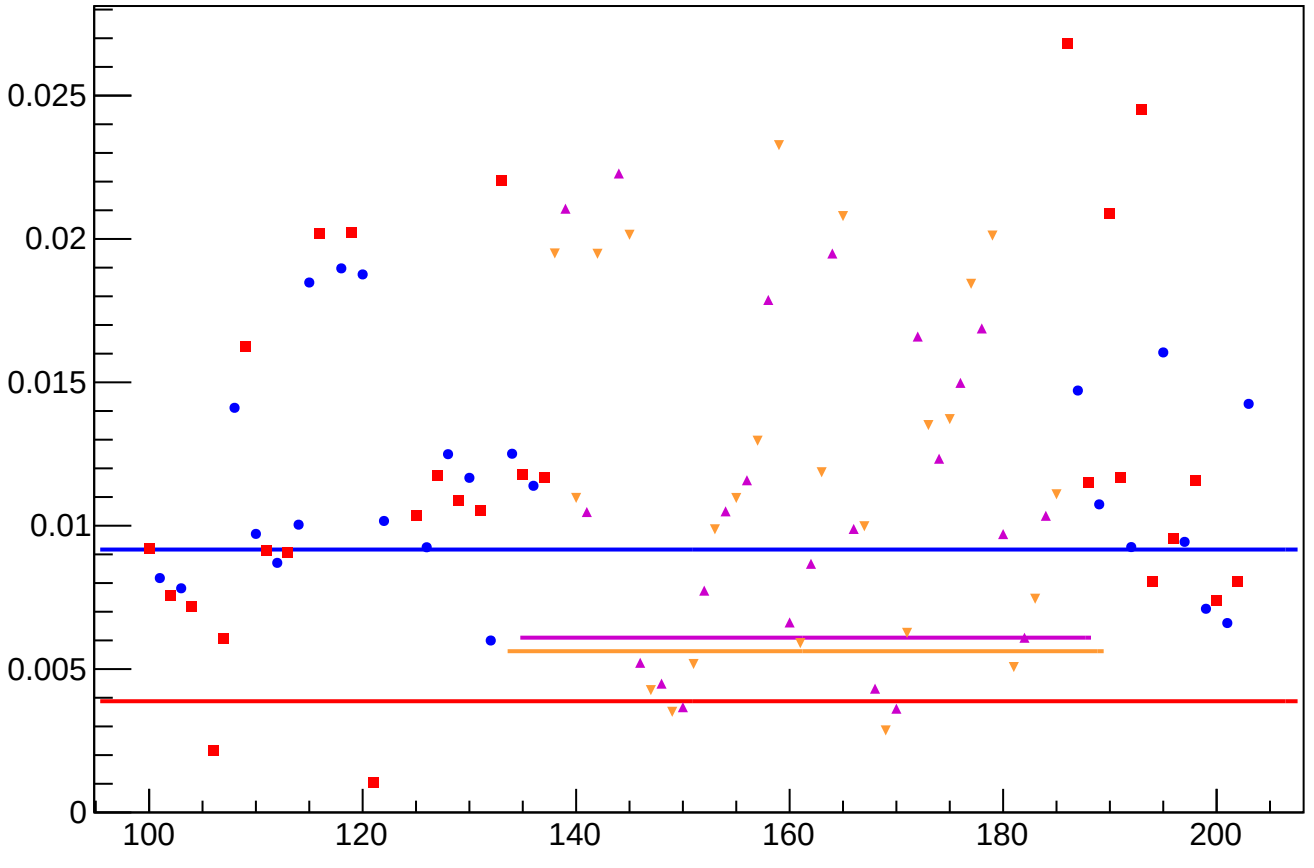
Right: 141.400+/-0.021 χ^2/NDF: 5669608.8/52

In: 194.503+/-0.028 χ^2/NDF:12429814.1/46

Out: 168.107+/-0.025 χ^2/NDF:19198105.9/53

All: 179.885+/-0.019 χ^2/NDF: 32113405.8/10


asym_atl_avg_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected
×10⁻³
0.1
0.08
0.06
0.04
0.02
0
−0.02
−0.04
−0.06
−0.08
100
120
140
160
180
200
Right In: -0.000+/-0.000 χ²/NDF: 35.7/23
Left Out: -0.000+/-0.000 χ²/NDF:35.7/23
Right Out: -0.000+/-0.000 χ²/NDF: 24.7/27
Left In: -0.000+/-0.000 χ²/NDF:25.5/22
Left: -0.000+/-0.000 χ²/NDF: 61.3/46
Right: -0.000+/-0.000 χ²/NDF: 60.4/51
In: -0.000+/-0.000 χ²/NDF:61.4/46
Out: -0.000+/-0.000 χ²/NDF:60.5/51
All: -0.000+/-0.000 χ²/NDF: 121.9/98



Right In: 0.009+/-0.000 χ^2/NDF: 2149326.4/23

Left Out: 0.006+/-0.000 χ^2/NDF:11183743.0/23

Right Out: 0.004+/-0.000 χ^2/NDF: 14834308.8/27

Left In: 0.006+/-0.000 χ^2/NDF:8798992.3/22

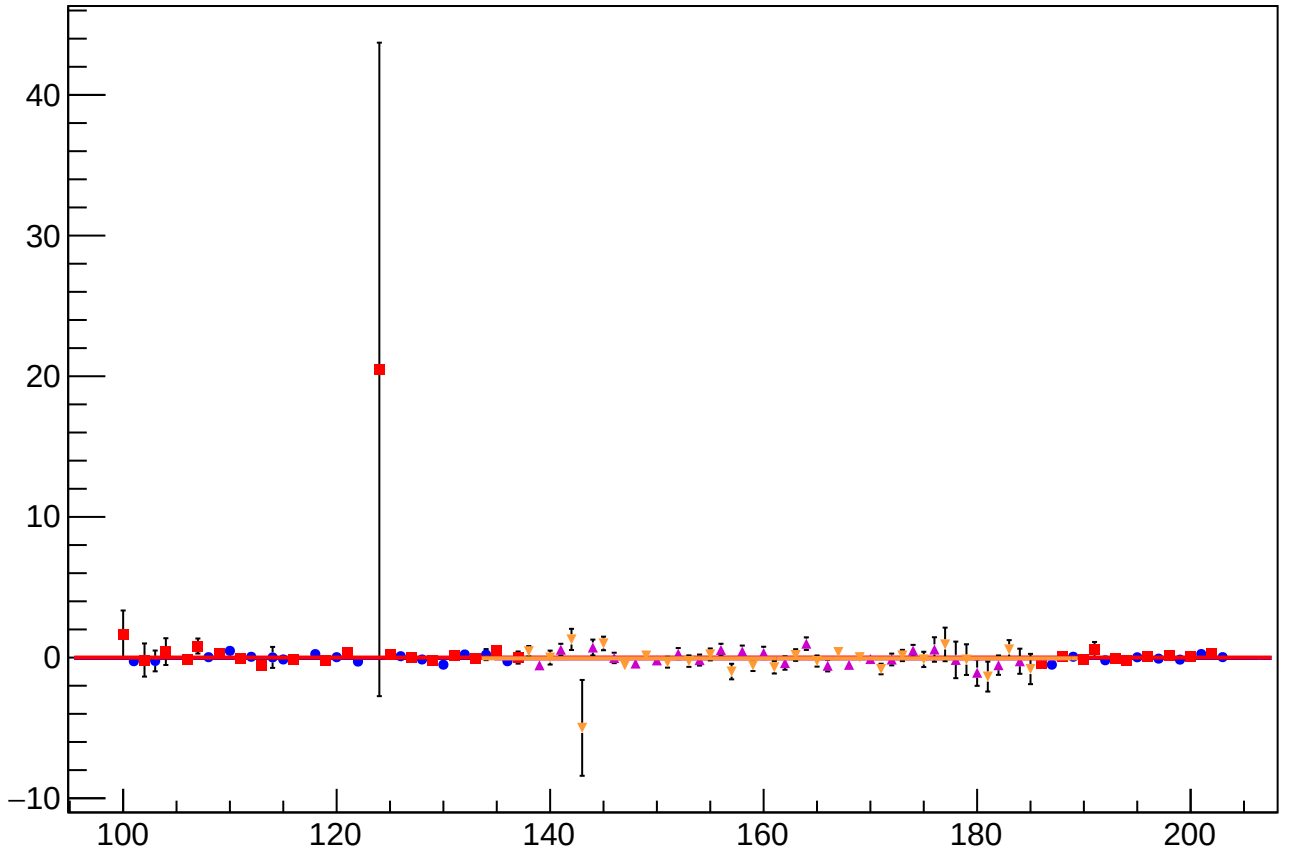
Left: 0.006+/-0.000 χ^2/NDF: 20062256.6/46

Right: 0.005+/-0.000 χ^2/NDF: 22700540.3/51

In: 0.007+/-0.000 χ^2/NDF:12781790.9/46

Out: 0.005+/-0.000 χ^2/NDF:27213508.6/51

All: 0.006+/-0.000 χ^2/NDF: 43005061.5/98



Right In: -0.030+/-0.045 χ^2/NDF: 23.2/23

Left Out: -0.054+/-0.085 χ^2/NDF:33.1/24

Right Out: 0.003+/-0.039 χ^2/NDF: 30.9/28

Left In: -0.063+/-0.083 χ^2/NDF:28.0/22

Left: -0.059+/-0.059 χ^2/NDF: 61.1/47

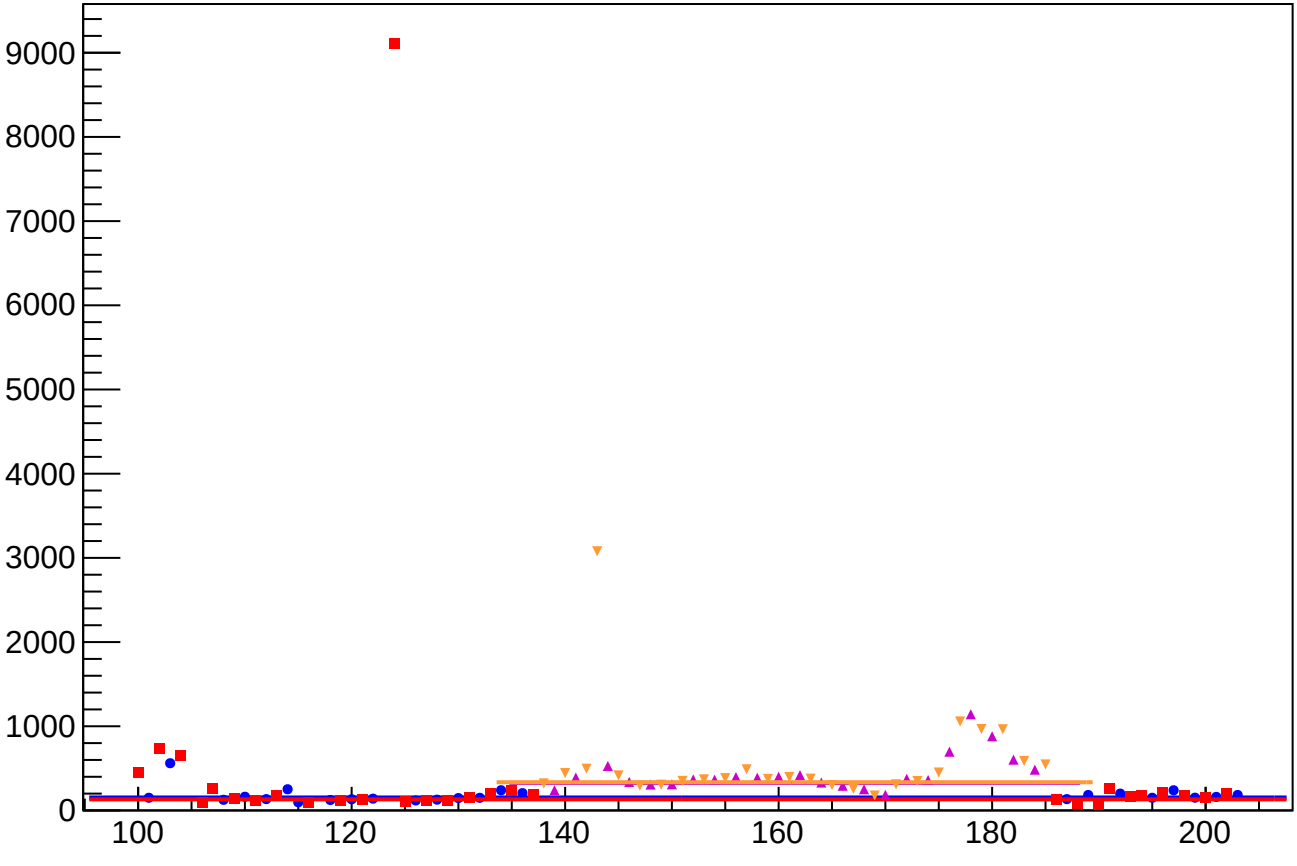
Right: -0.011+/-0.030 χ^2/NDF: 54.5/52

In: -0.038+/-0.040 χ^2/NDF:51.3/46

Out: -0.007+/-0.036 χ^2/NDF:64.4/53

All: -0.021+/-0.027 χ^2/NDF: 116.1/100

asym_atl_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 154.261+/-0.032 χ^2/NDF: 1539097.0/23

Left Out: 335.168+/-0.060 χ^2/NDF:5852151.8/24

Right Out: 131.709+/-0.028 χ^2/NDF: 3850408.5/28

Left In: 327.575+/-0.059 χ^2/NDF:4153087.6/22

Left: 331.286+/-0.042 χ^2/NDF: 10013472.2/47

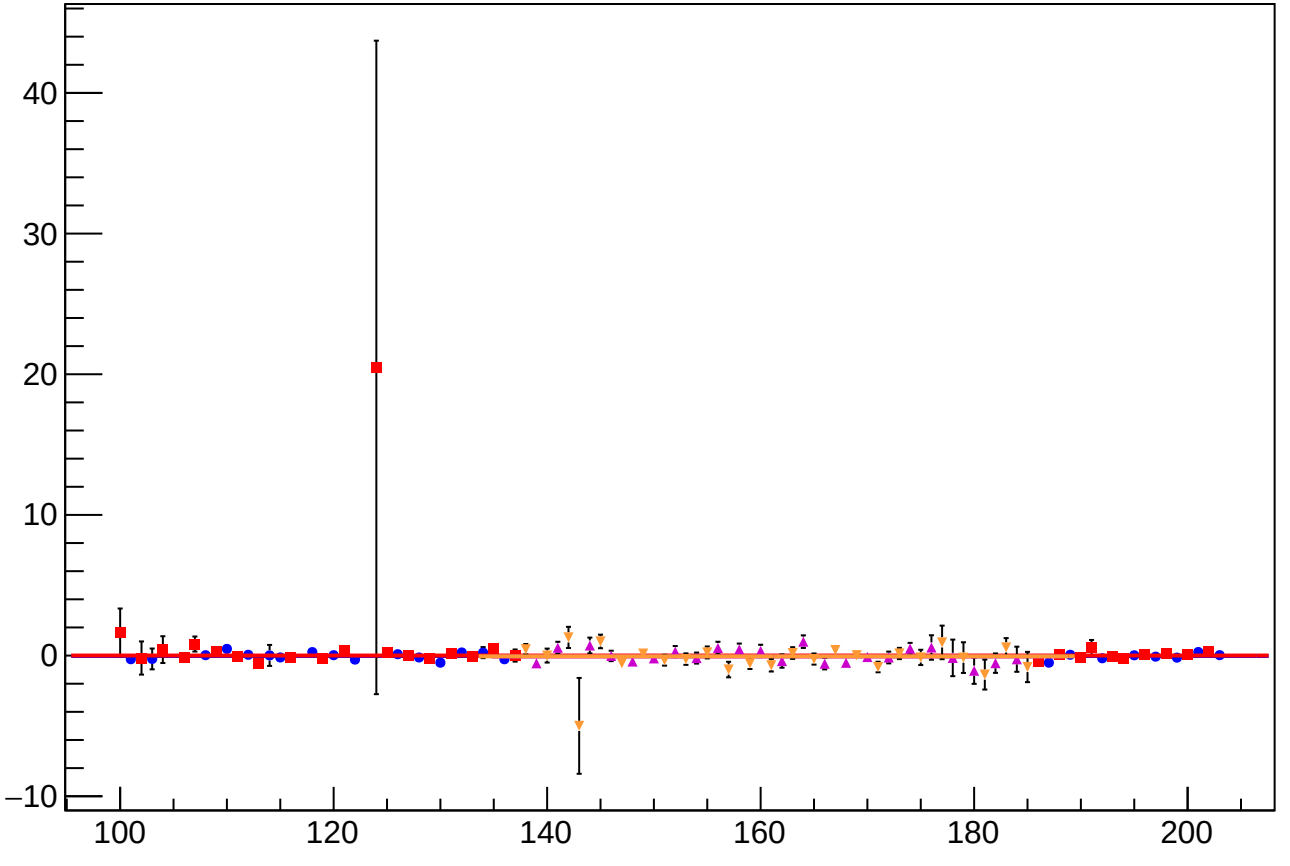
Right: 141.399+/-0.021 χ^2/NDF: 5669739.5/52

In: 194.502+/-0.028 χ^2/NDF:12430058.4/46

Out: 168.105+/-0.025 χ^2/NDF:19198520.6/53

All: 179.883+/-0.019 χ^2/NDF: 32114126.3/10

asym_atl_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.030+/-0.045 χ^2/NDF: 23.2/23

Left Out: -0.054+/-0.085 χ^2/NDF:33.1/24

Right Out: 0.003+/-0.039 χ^2/NDF: 30.9/28

Left In: -0.063+/-0.083 χ^2/NDF:28.0/22

Left: -0.059+/-0.059 χ^2/NDF: 61.1/47

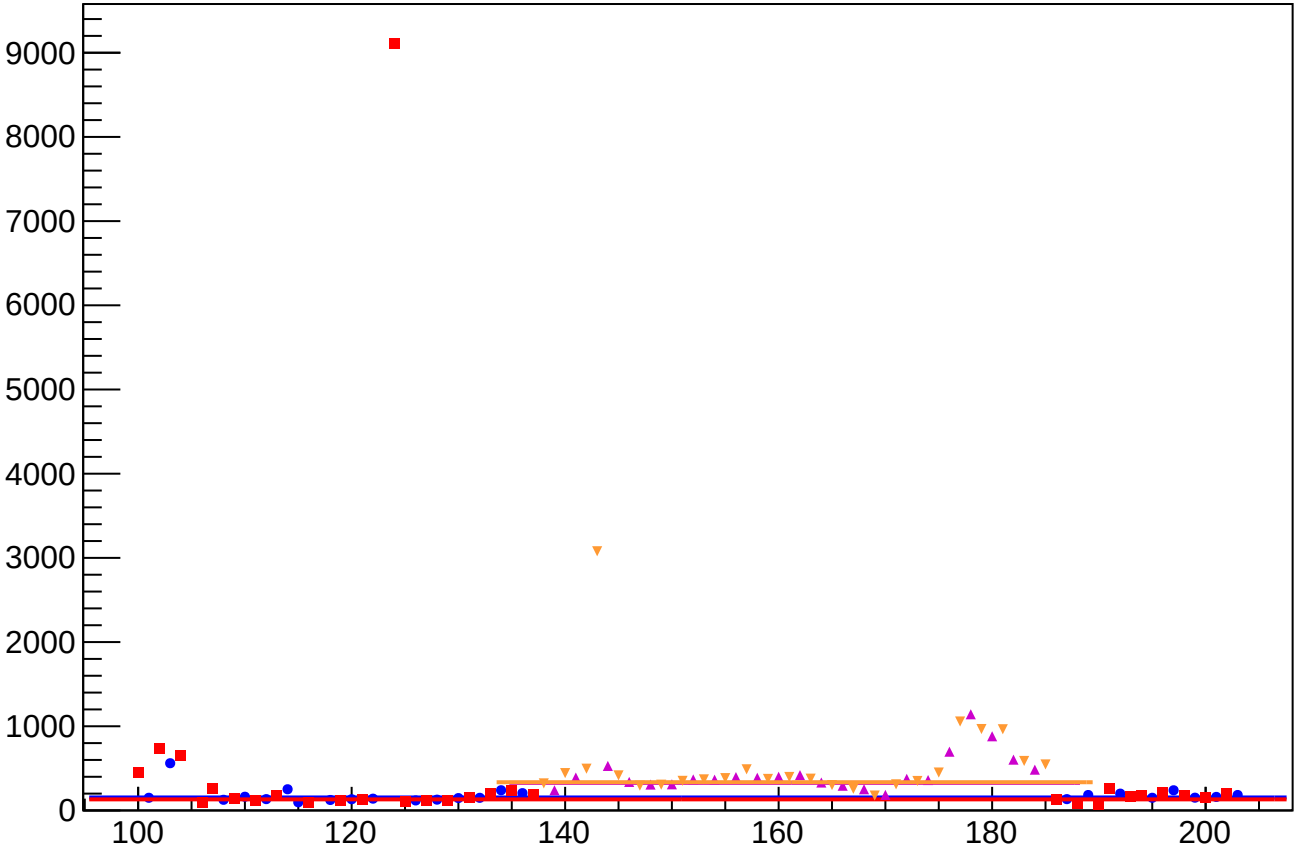
Right: -0.011+/-0.030 χ^2/NDF: 54.5/52

In: -0.038+/-0.040 χ^2/NDF:51.3/46

Out: -0.007+/-0.036 χ^2/NDF:64.4/53

All: -0.021+/-0.027 χ^2/NDF: 116.1/100

asym_atl_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 154.261+/-0.032 χ^2/NDF: 1539097.0/23

Left Out: 335.168+/-0.060 χ^2/NDF:5852151.8/24

Right Out: 131.709+/-0.028 χ^2/NDF: 3850408.5/28

Left In: 327.575+/-0.059 χ^2/NDF:4153087.6/22

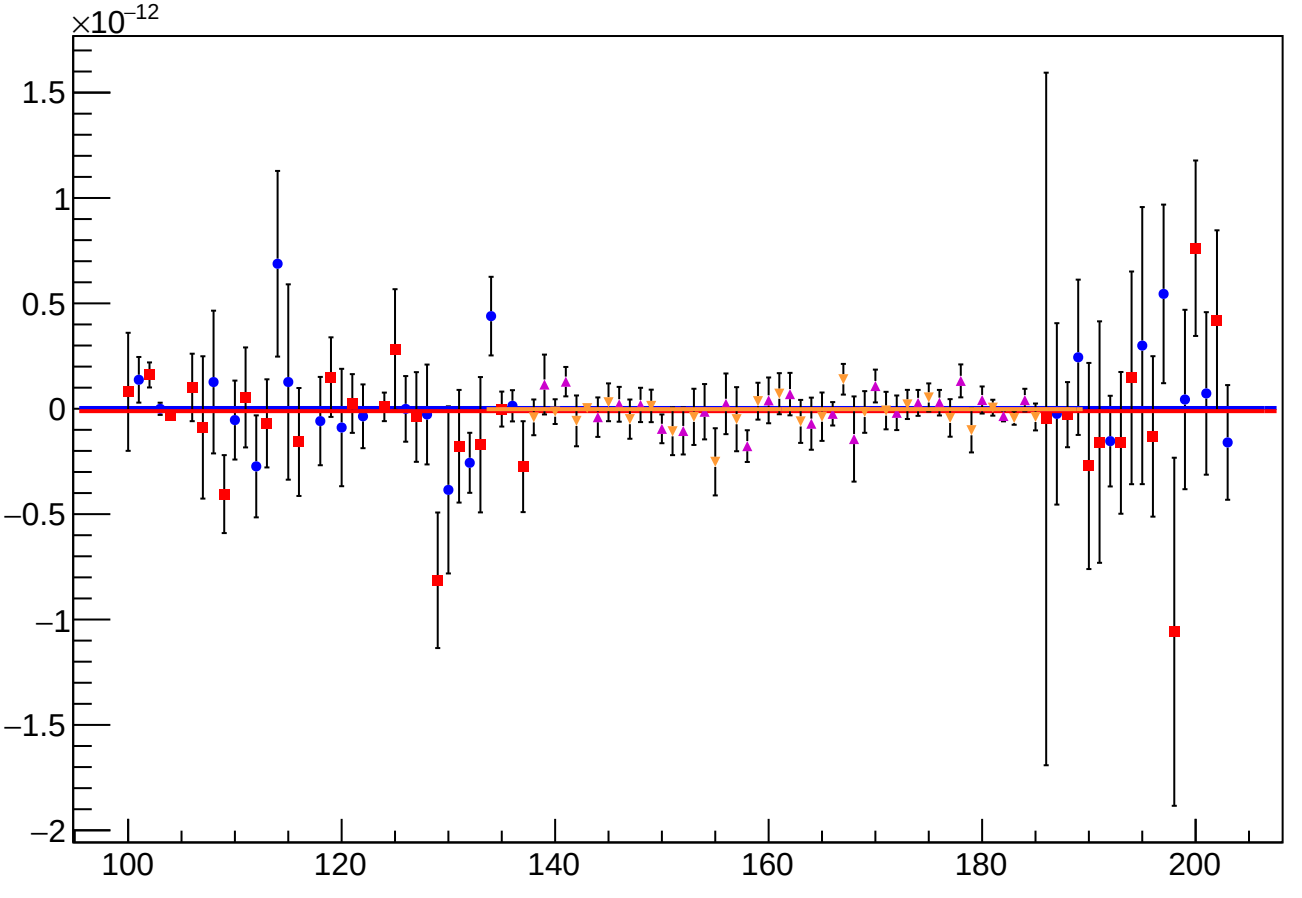
Left: 331.286+/-0.042 χ^2/NDF: 10013472.2/47

Right: 141.399+/-0.021 χ^2/NDF: 5669739.5/52

In: 194.502+/-0.028 χ^2/NDF:12430058.4/46

Out: 168.105+/-0.025 χ^2/NDF:19198520.6/53

All: 179.883+/-0.019 χ^2/NDF: 32114126.3/10



Right In: 0.000+/-0.000 χ^2/NDF: 18.8/23

Left Out: -0.000+/-0.000 χ^2/NDF:13.6/24

Right Out: -0.000+/-0.000 χ^2/NDF: 31.9/28

Left In: -0.000+/-0.000 χ^2/NDF:22.5/22

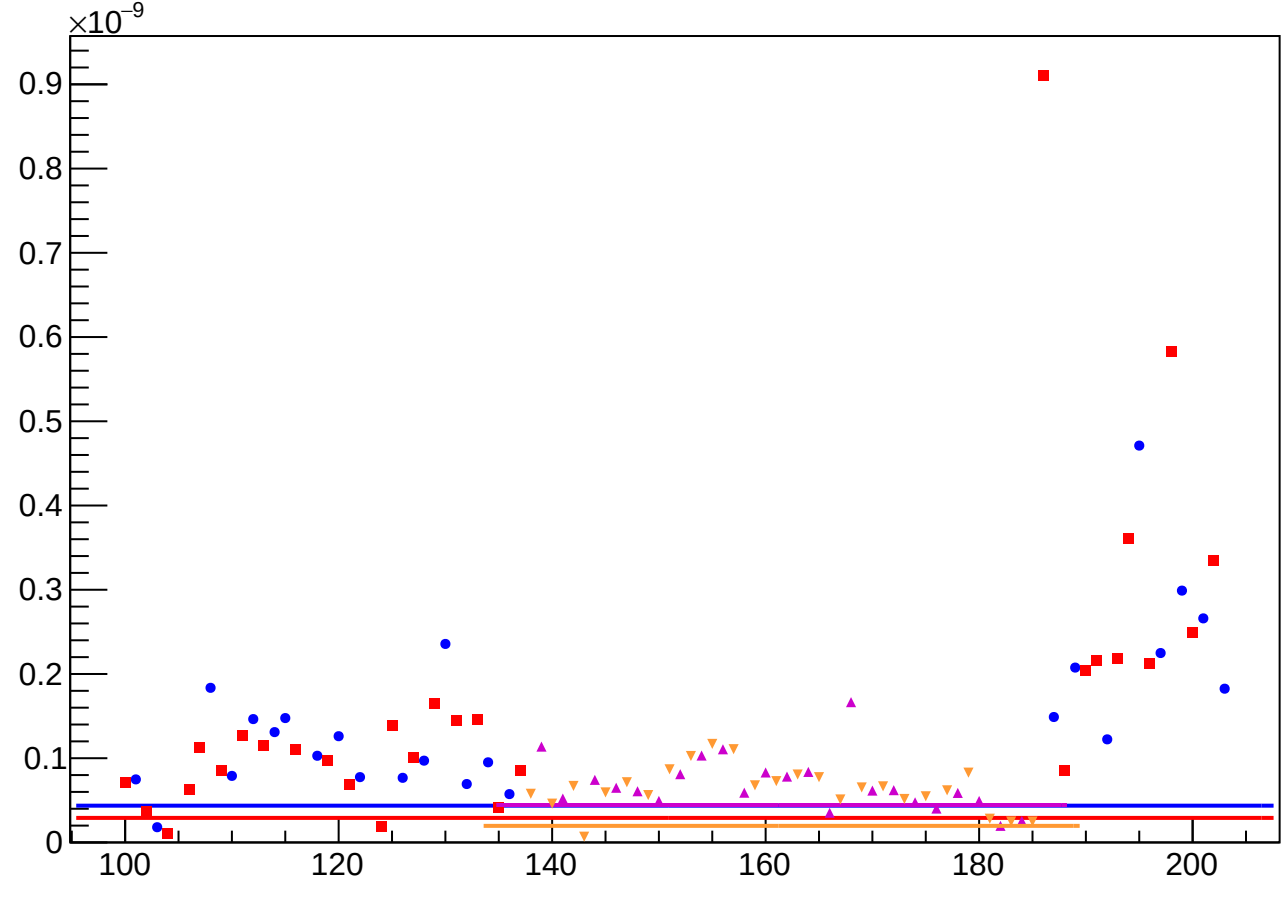
Left: -0.000+/-0.000 χ^2/NDF: 36.1/47

Right: -0.000+/-0.000 χ^2/NDF: 51.0/52

In: -0.000+/-0.000 χ^2/NDF:41.3/46

Out: -0.000+/-0.000 χ^2/NDF:45.8/53

All: -0.000+/-0.000 χ^2/NDF: 87.2/100



Right In: 0.000+/-0.000 χ^2/NDF: 7964514.3/23

Left Out: 0.000+/-0.000 χ^2/NDF:14888228.9/24

Right Out: 0.000+/-0.000 χ^2/NDF: 10536187.6/28

Left In: 0.000+/-0.000 χ^2/NDF:5919814.1/22

Left: 0.000+/-0.000 χ^2/NDF: 25361712.4/47

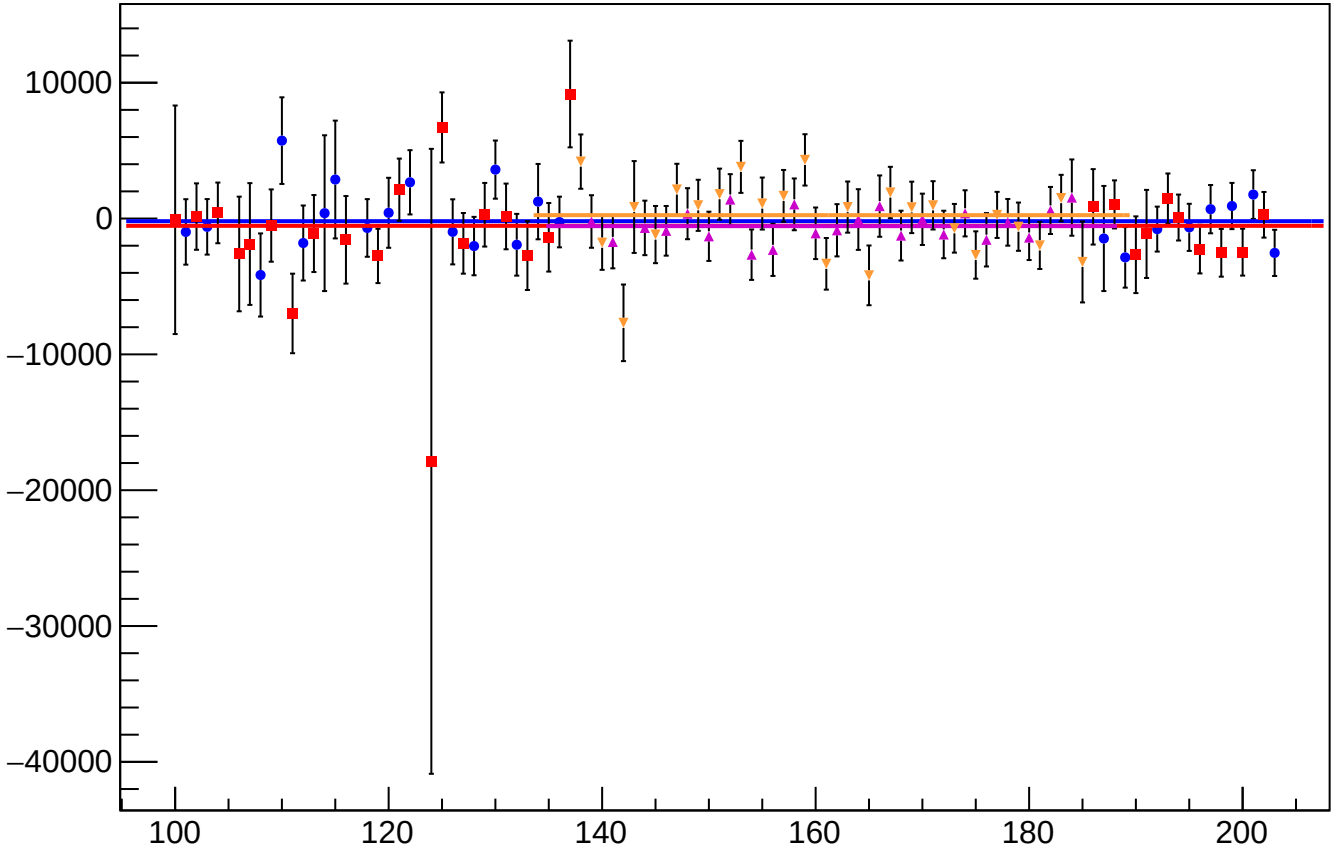
Right: 0.000+/-0.000 χ^2/NDF: 18977193.1/52

In: 0.000+/-0.000 χ^2/NDF:13886017.6/46

Out: 0.000+/-0.000 χ^2/NDF:25867125.3/53

All: 0.000+/-0.000 χ^2/NDF: 44905873.7/100

reg_asym_atl_dd_mean vs Slug, Sign Corrected



Right In: -194.825+/-452.385 χ^2/NDF: 18.0/23

Left Out: 248.233+/-388.827 χ^2/NDF:39.6/24

Right Out: -537.069+/-441.639 χ^2/NDF: 30.7/28

Left In: -559.995+/-395.112 χ^2/NDF:7.5/22

Left: -149.402+/-277.138 χ^2/NDF: 49.2/47

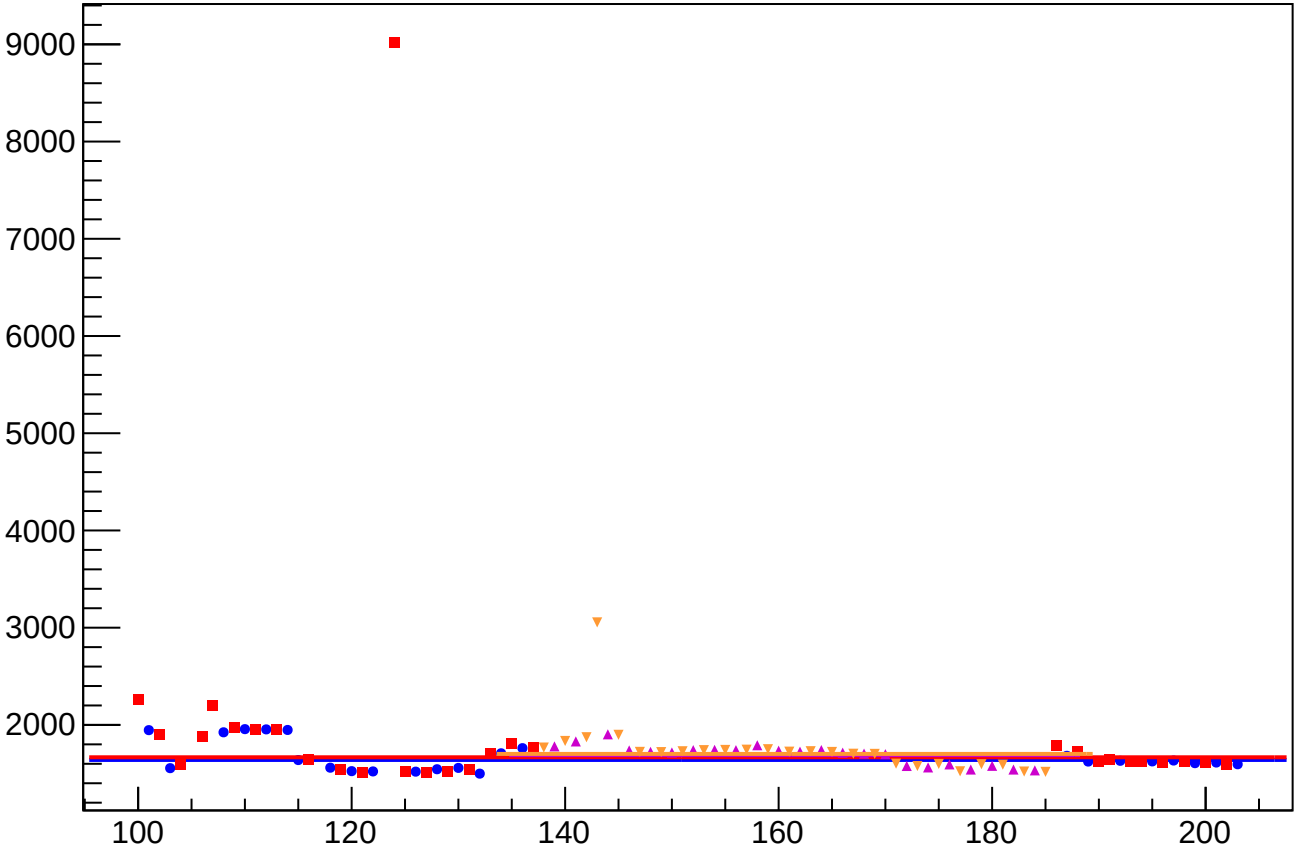
Right: -370.060+/-316.017 χ^2/NDF: 49.1/52

In: -401.975+/-297.588 χ^2/NDF:25.9/46

Out: -94.679+/-291.837 χ^2/NDF:72.1/53

All: -245.329+/-208.364 χ^2/NDF: 98.6/100

reg_asym_atl_dd_rms vs Slug, Sign Corrected



Right In: 1639.643+/-0.320 χ^2/NDF: 148692.6/23

Left Out: 1701.583+/-0.275 χ^2/NDF:452379.1/24

Right Out: 1666.949+/-0.312 χ^2/NDF: 408247.9/28

Left In: 1689.259+/-0.279 χ^2/NDF:122317.9/22

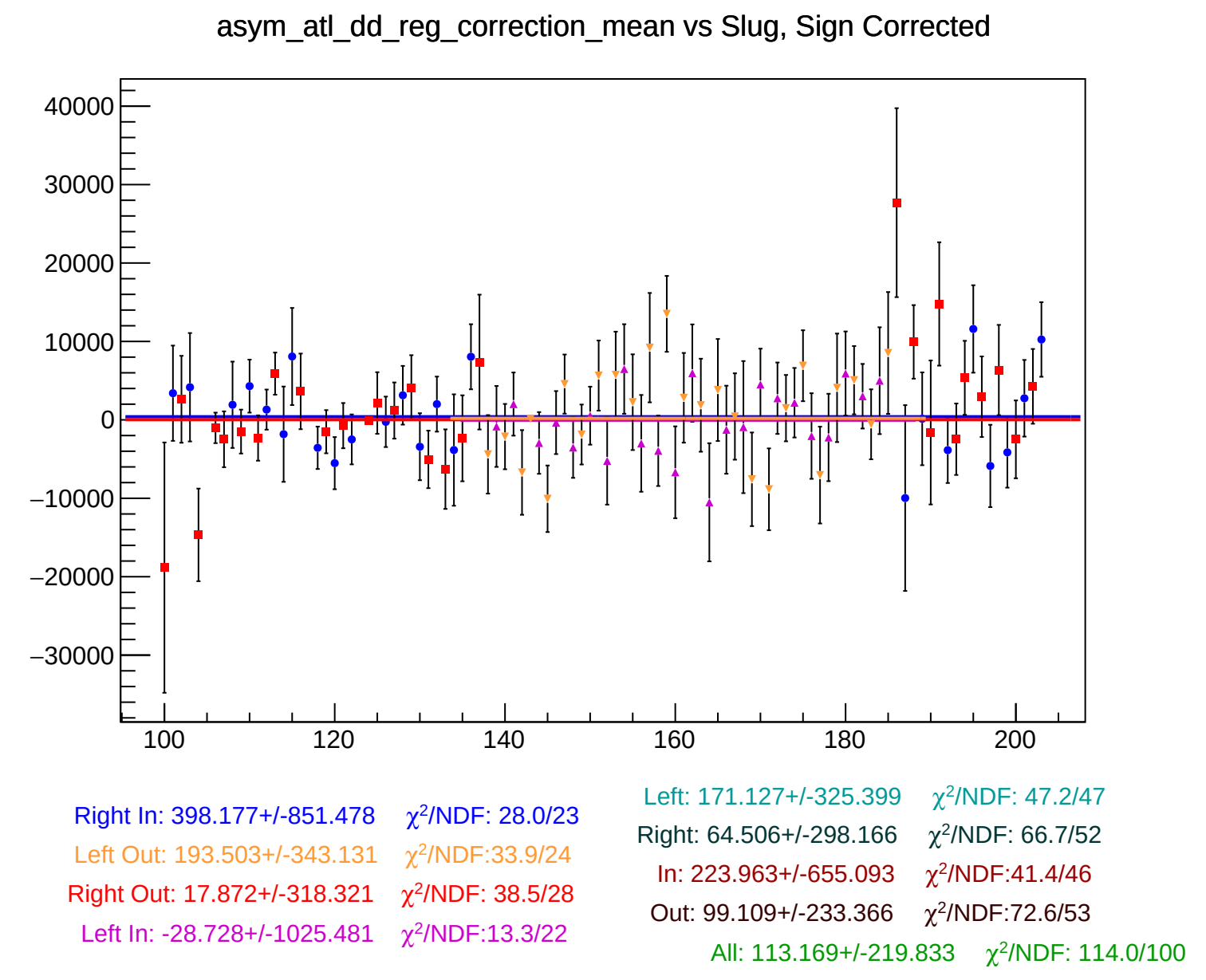
Left: 1695.520+/-0.196 χ^2/NDF: 575685.4/47

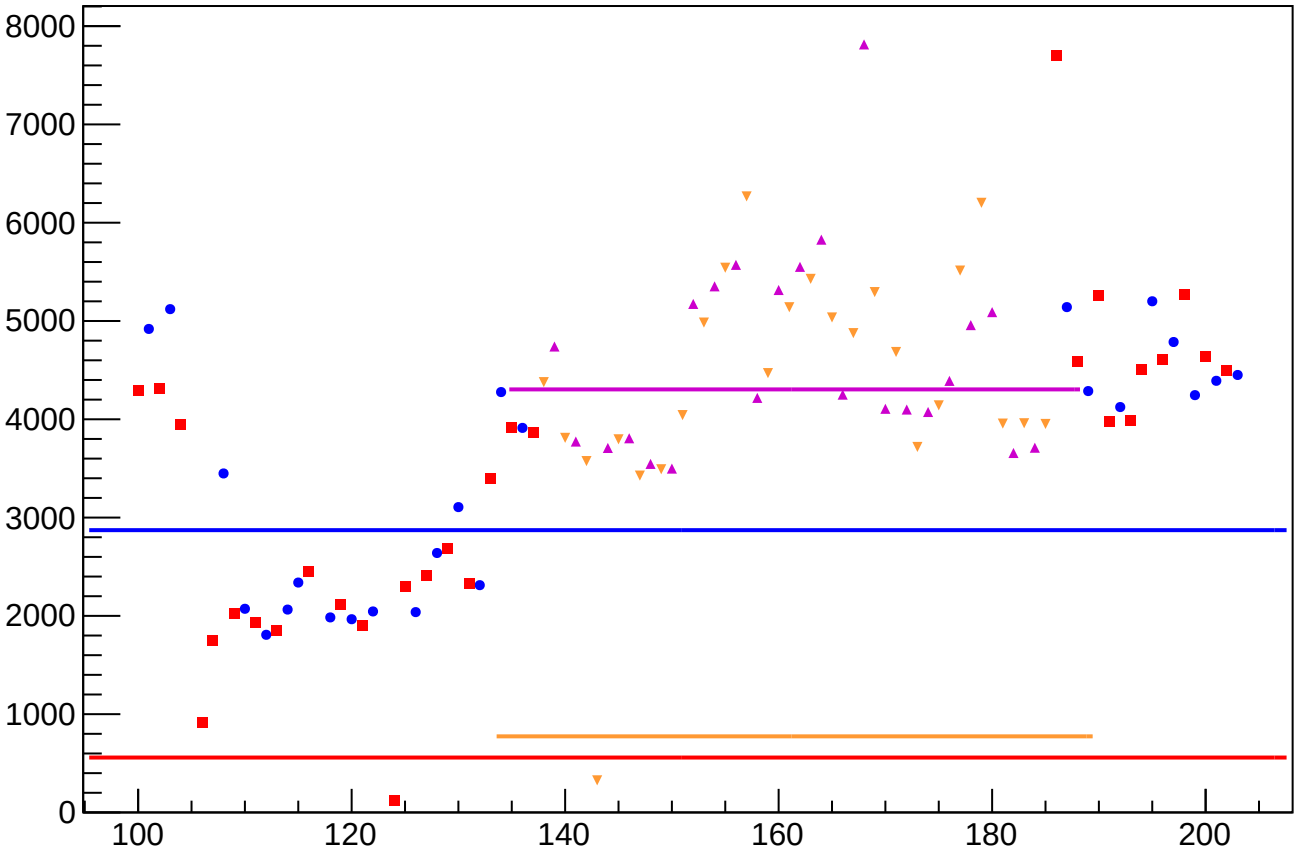
Right: 1653.655+/-0.223 χ^2/NDF: 560679.7/52

In: 1667.789+/-0.210 χ^2/NDF:284658.0/46

Out: 1686.421+/-0.206 χ^2/NDF:867573.2/53

All: 1677.296+/-0.147 χ^2/NDF: 1156231.8/10


asym_atl_dd_reg_correction_mean vs Slug, Sign Corrected
40000
30000
20000
10000
0
−10000
−20000
−30000
100
120
140
160
180
200
Right In: 398.177+/-851.478 χ²/NDF: 28.0/23
Left Out: 193.503+/-343.131 χ²/NDF:33.9/24
Right Out: 17.872+/-318.321 χ²/NDF: 38.5/28
Left In: -28.728+/-1025.481 χ²/NDF:13.3/22
Left: 171.127+/-325.399 χ²/NDF: 47.2/47
Right: 64.506+/-298.166 χ²/NDF: 66.7/52
In: 223.963+/-655.093 χ²/NDF:41.4/46
Out: 99.109+/-233.366 χ²/NDF:72.6/53
All: 113.169+/-219.833 χ²/NDF: 114.0/100



Right In: 2872.067+/-0.602 χ^2/NDF: 3453695.9/23

Left Out: 774.232+/-0.243 χ^2/NDF:28085586.8/24

Right Out: 558.685+/-0.225 χ^2/NDF: 22346189.2/28

Left In: 4304.007+/-0.725 χ^2/NDF:1216578.1/22

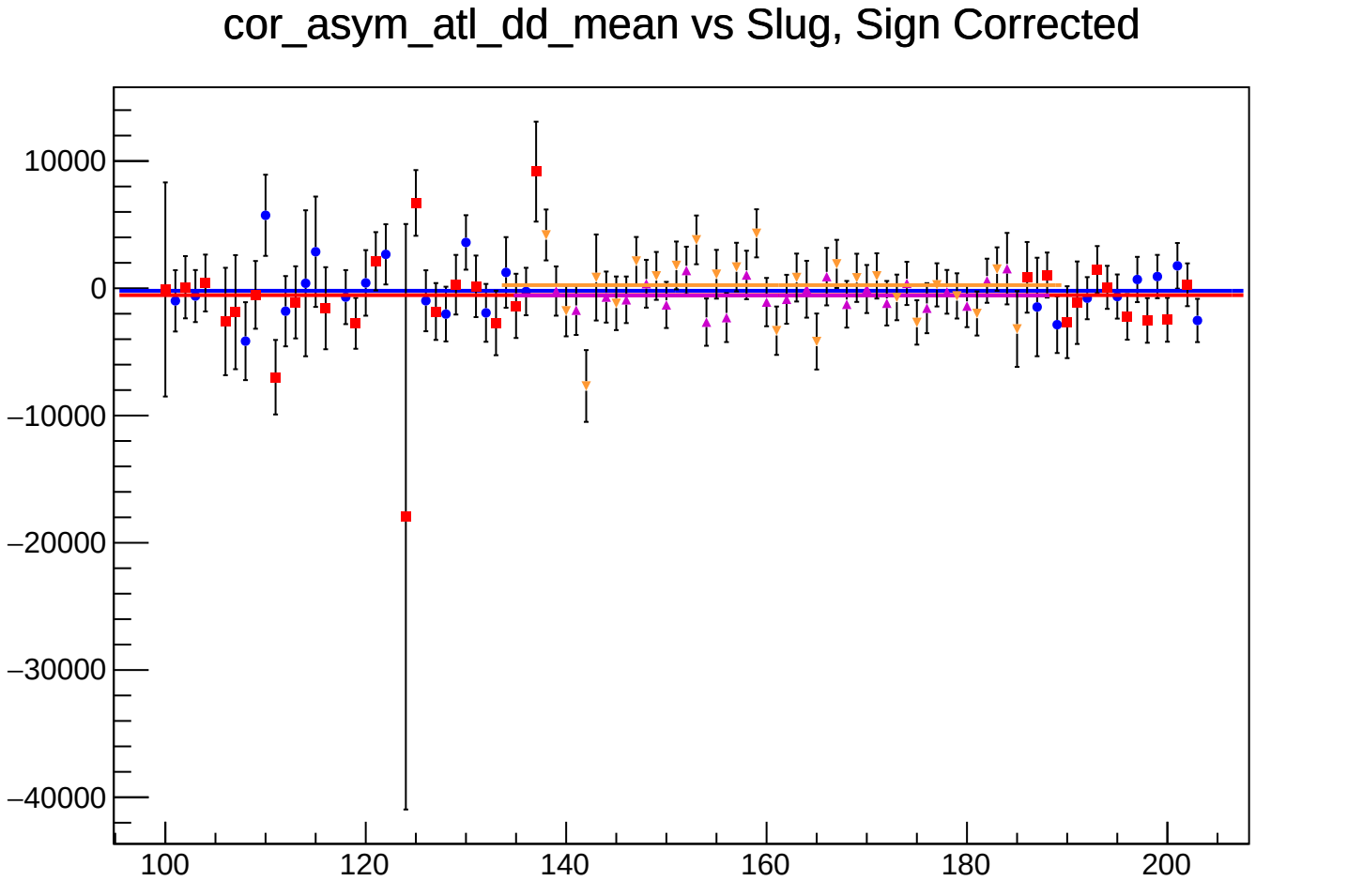
Left: 1129.637+/-0.230 χ^2/NDF: 50611957.4/47

Right: 842.357+/-0.211 χ^2/NDF: 38752707.4/52

In: 3456.421+/-0.463 χ^2/NDF:6978525.0/46

Out: 658.385+/-0.165 χ^2/NDF:50855944.5/53

All: 973.475+/-0.155 χ^2/NDF: 90212045.0/10



Right In: -194.787+/-452.385 χ^2/NDF: 18.0/23

Left Out: 248.216+/-388.827 χ^2/NDF:39.6/24

Right Out: -539.142+/-441.641 χ^2/NDF: 30.7/28

Left In: -559.960+/-395.112 χ^2/NDF:7.5/22

Left: -149.393+/-277.138 χ^2/NDF: 49.2/47

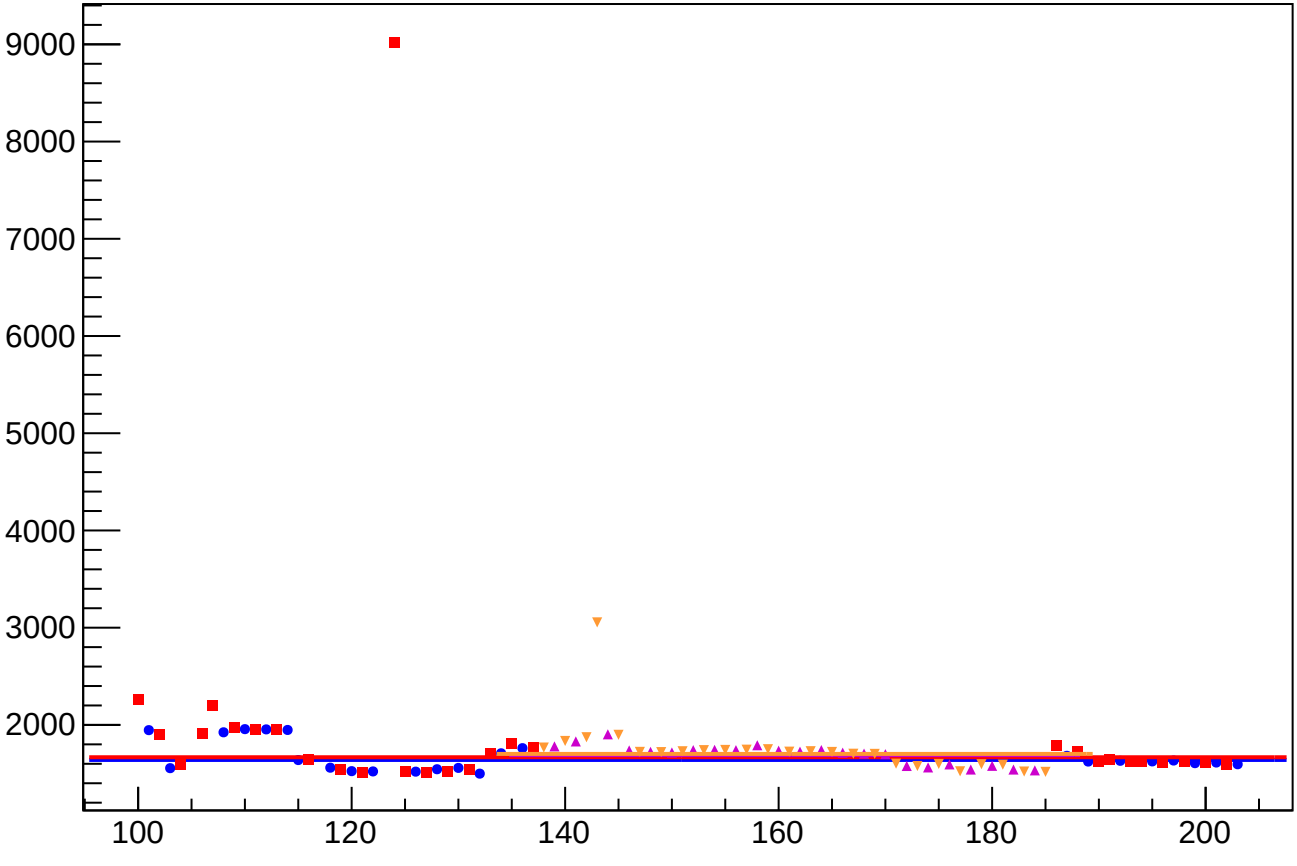
Right: -371.102+/-316.017 χ^2/NDF: 49.1/52

In: -401.939+/-297.588 χ^2/NDF:25.9/46

Out: -95.592+/-291.838 χ^2/NDF:72.1/53

All: -245.777+/-208.364 χ^2/NDF: 98.6/100

cor_asym_atl_dd_rms vs Slug, Sign Corrected



Right In: 1639.643+/-0.320 χ^2/NDF: 148692.7/23

Left Out: 1701.583+/-0.275 χ^2/NDF:452379.0/24

Right Out: 1667.323+/-0.312 χ^2/NDF: 410232.6/28

Left In: 1689.259+/-0.279 χ^2/NDF:122317.9/22

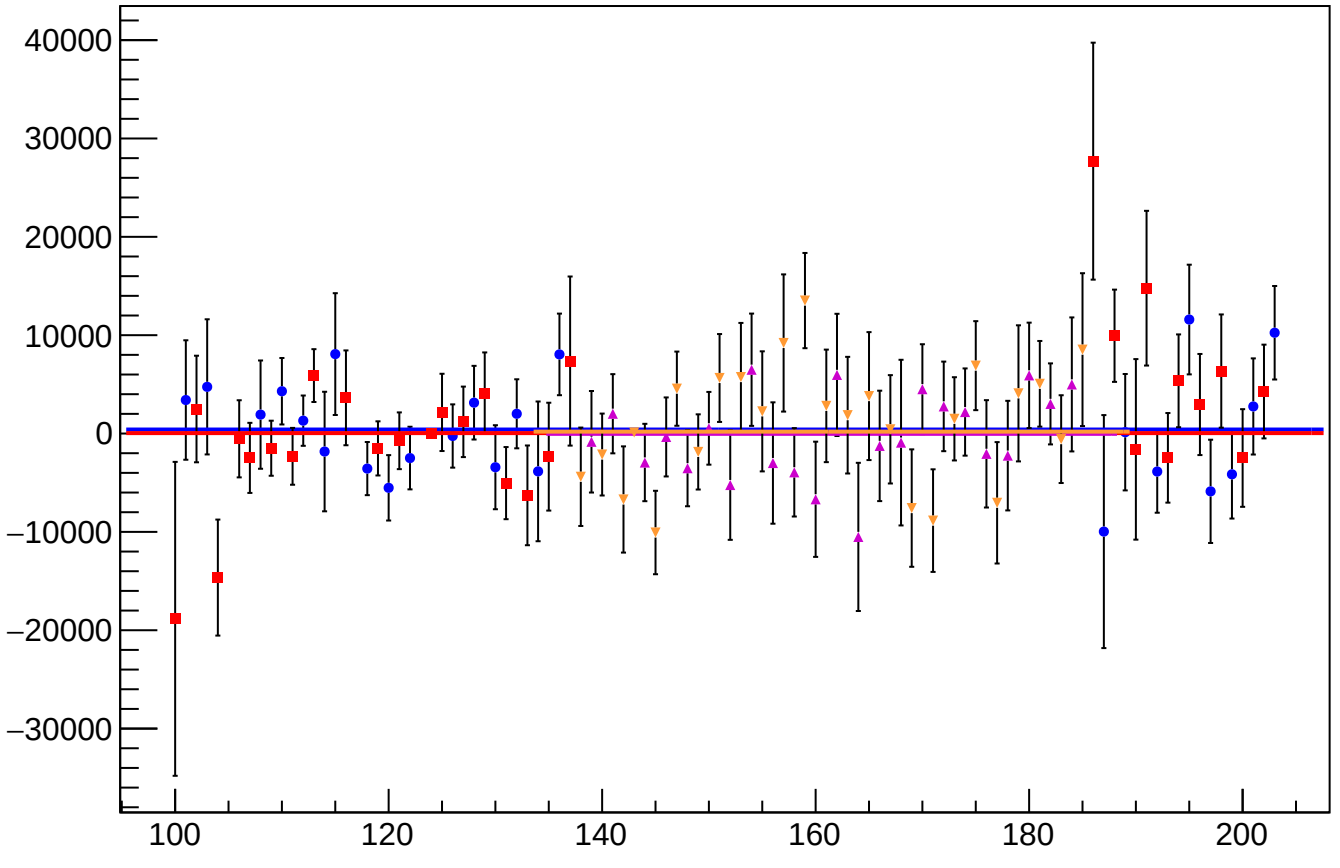
Left: 1695.520+/-0.196 χ^2/NDF: 575685.4/47

Right: 1653.843+/-0.223 χ^2/NDF: 562766.6/52

In: 1667.789+/-0.210 χ^2/NDF:284658.0/46

Out: 1686.589+/-0.206 χ^2/NDF:869407.1/53

All: 1677.380+/-0.147 χ^2/NDF: 1158137.5/10



Right In: 408.077+/-851.396 χ^2/NDF: 28.1/23

Left Out: 193.916+/-343.107 χ^2/NDF:33.9/24

Right Out: 43.420+/-310.746 χ^2/NDF: 38.2/28

Left In: -28.766+/-1025.480 χ^2/NDF:13.3/22

Left: 171.497+/-325.378 χ^2/NDF: 47.2/47

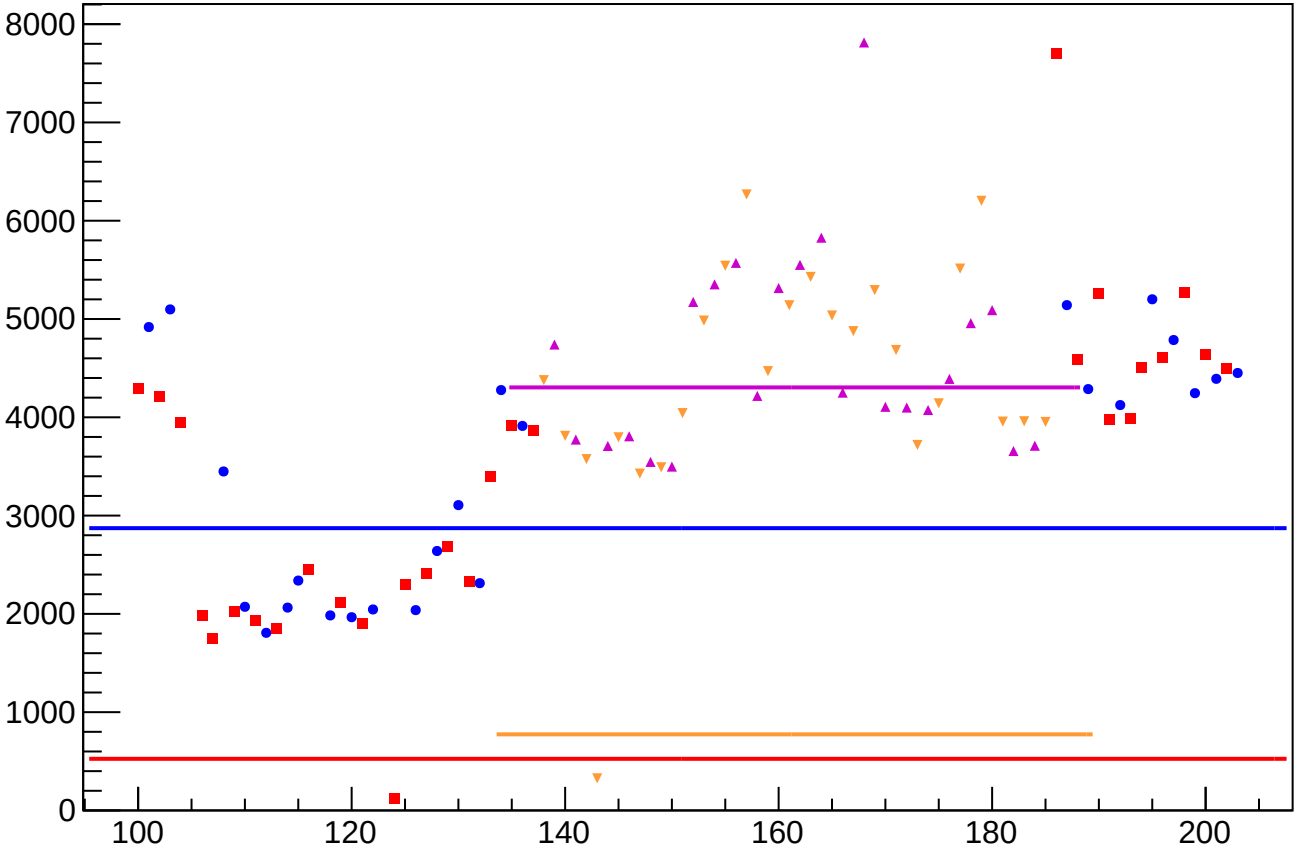
Right: 86.286+/-291.910 χ^2/NDF: 66.5/52

In: 229.828+/-655.055 χ^2/NDF:41.5/46

Out: 111.237+/-230.324 χ^2/NDF:72.2/53

All: 124.285+/-217.284 χ^2/NDF: 113.8/100

asym_atl_dd_cor_correction_rms vs Slug, Sign Corrected



Right In: 2872.112+/-0.602 χ^2/NDF: 3451788.8/23

Left Out: 774.143+/-0.243 χ^2/NDF:28086455.1/24

Right Out: 525.419+/-0.220 χ^2/NDF: 22854656.6/28

Left In: 4304.001+/-0.725 χ^2/NDF:1216572.3/22

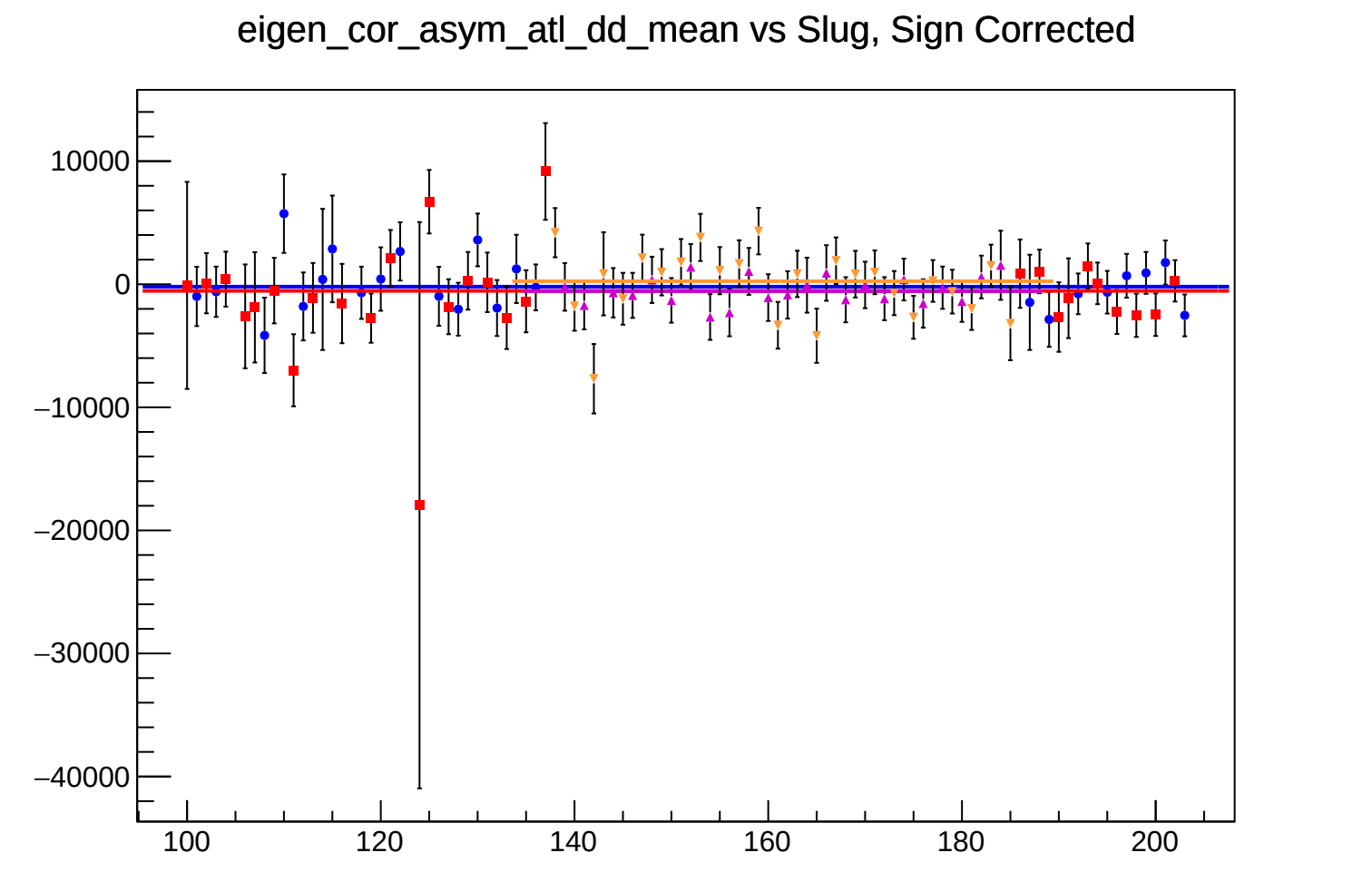
Left: 1129.512+/-0.230 χ^2/NDF: 50614177.8/47

Right: 801.281+/-0.206 χ^2/NDF: 39714566.5/52

In: 3456.379+/-0.463 χ^2/NDF:6976635.8/46

Out: 637.501+/-0.163 χ^2/NDF:51518505.2/53

All: 947.653+/-0.154 χ^2/NDF: 91456377.9/10



Right In: -194.787+/-452.385 χ^2/NDF: 18.0/23

Left Out: 248.216+/-388.827 χ^2/NDF:39.6/24

Right Out: -539.142+/-441.641 χ^2/NDF: 30.7/28

Left In: -559.960+/-395.112 χ^2/NDF:7.5/22

Left: -149.393+/-277.138 χ^2/NDF: 49.2/47

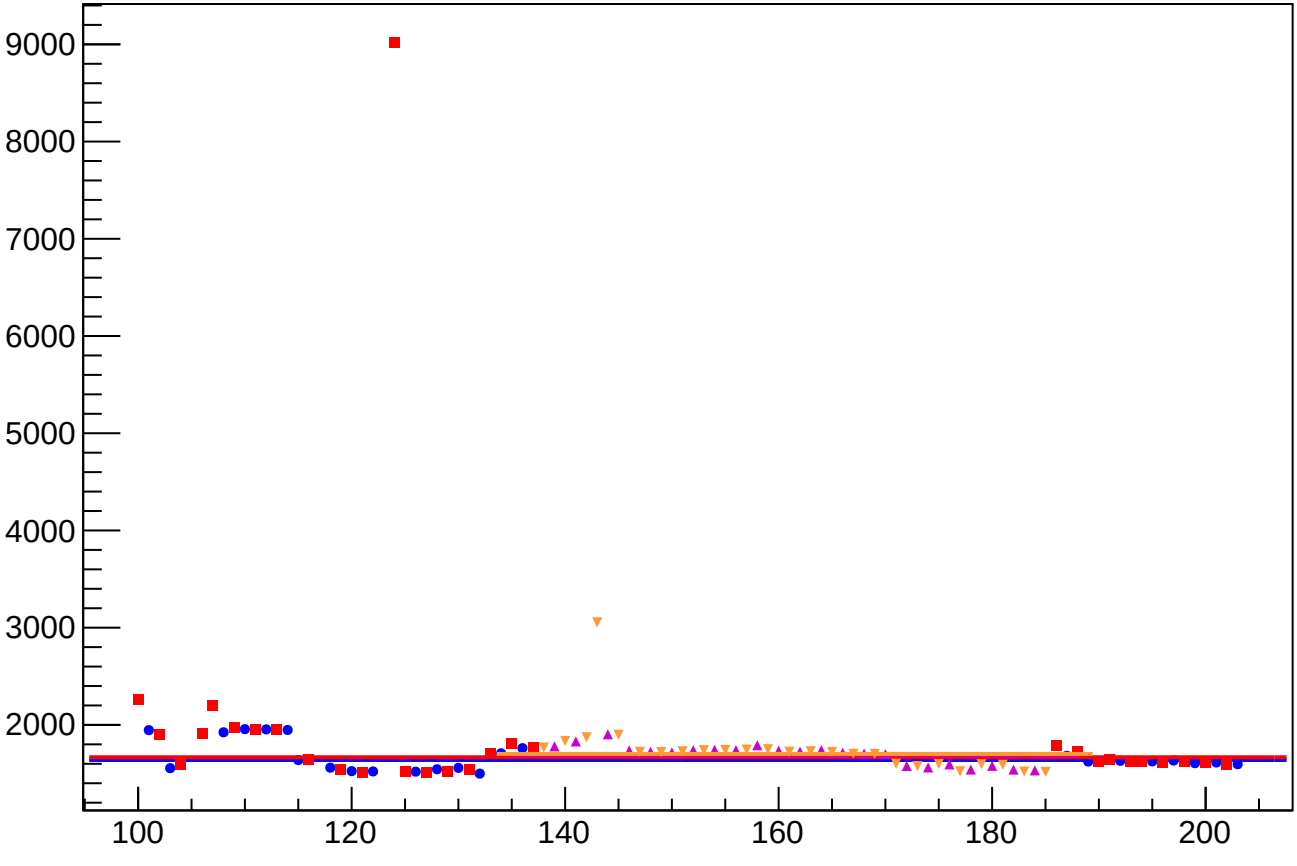
Right: -371.102+/-316.017 χ^2/NDF: 49.1/52

In: -401.939+/-297.588 χ^2/NDF:25.9/46

Out: -95.592+/-291.838 χ^2/NDF:72.1/53

All: -245.777+/-208.364 χ^2/NDF: 98.6/100

eigen_cor_asym_atl_dd_rms vs Slug, Sign Corrected



Right In: 1639.643+/-0.320 χ^2/NDF: 148692.7/23

Left Out: 1701.583+/-0.275 χ^2/NDF:452379.0/24

Right Out: 1667.323+/-0.312 χ^2/NDF: 410232.6/28

Left In: 1689.259+/-0.279 χ^2/NDF:122317.9/22

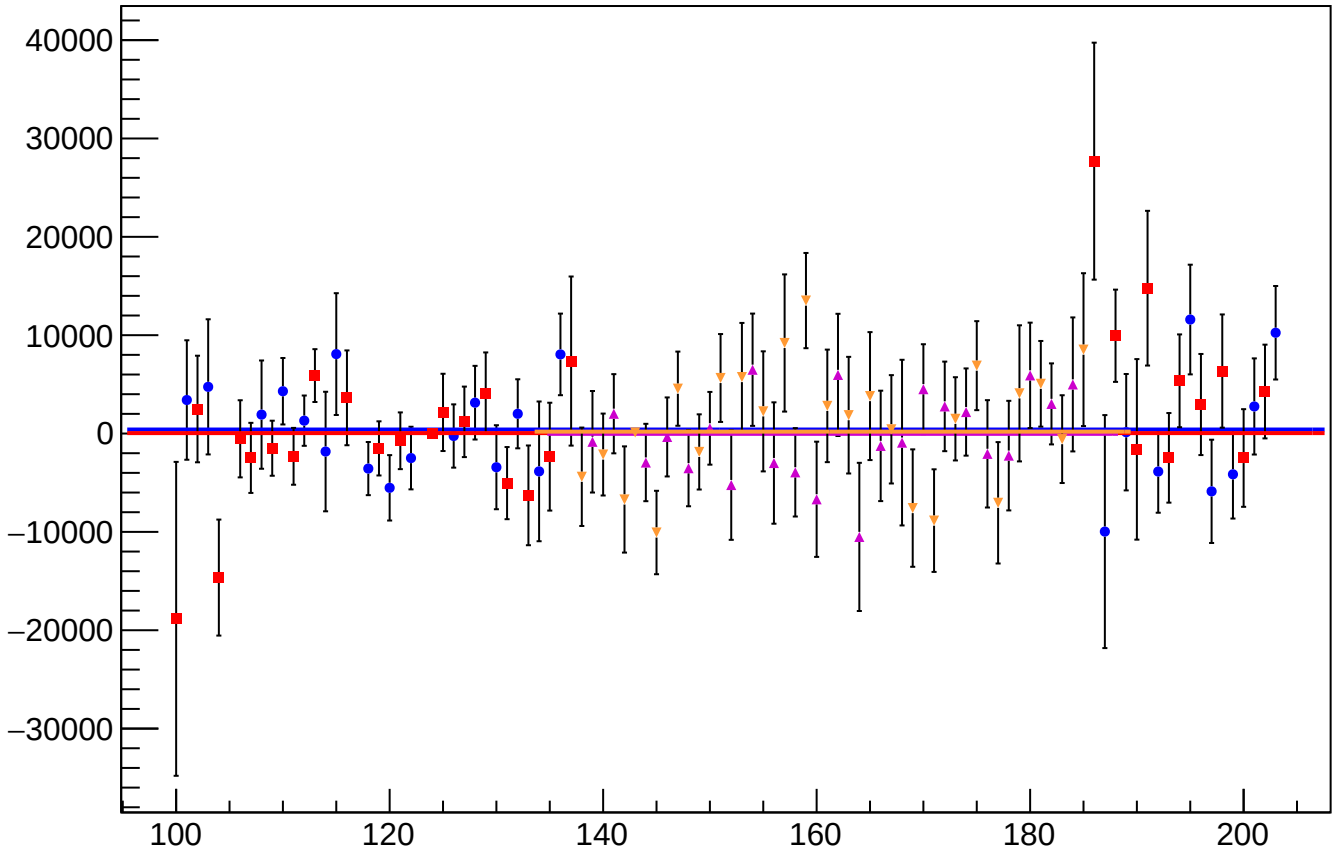
Left: 1695.520+/-0.196 χ^2/NDF: 575685.4/47

Right: 1653.843+/-0.223 χ^2/NDF: 562766.6/52

In: 1667.789+/-0.210 χ^2/NDF:284658.0/46

Out: 1686.589+/-0.206 χ^2/NDF:869407.1/53

All: 1677.380+/-0.147 χ^2/NDF: 1158137.5/10



Right In: 408.077+/-851.396 χ^2/NDF: 28.1/23

Left Out: 193.916+/-343.107 χ^2/NDF:33.9/24

Right Out: 43.420+/-310.746 χ^2/NDF: 38.2/28

Left In: -28.766+/-1025.480 χ^2/NDF:13.3/22

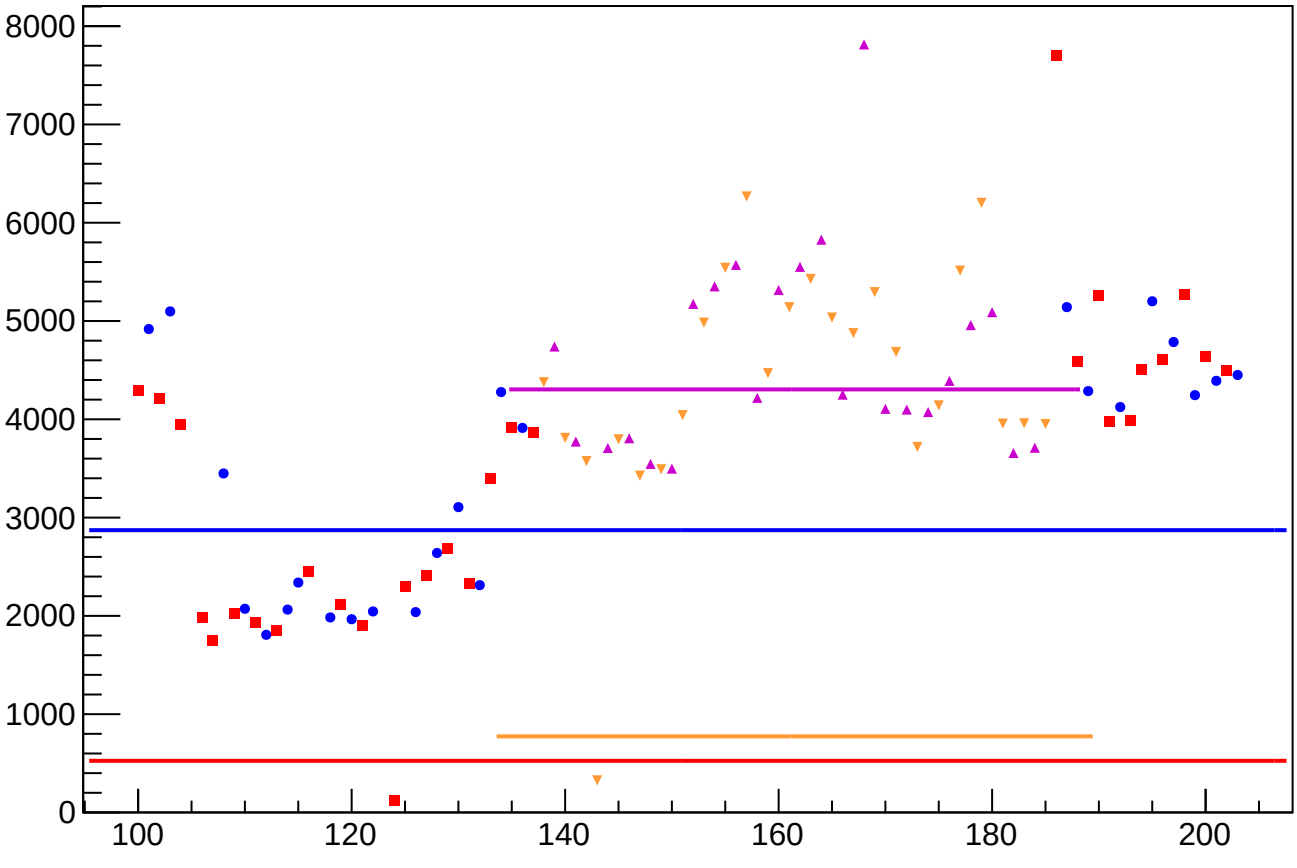
Left: 171.497+/-325.378 χ^2/NDF: 47.2/47

Right: 86.286+/-291.910 χ^2/NDF: 66.5/52

In: 229.828+/-655.055 χ^2/NDF:41.5/46

Out: 111.237+/-230.324 χ^2/NDF:72.2/53

All: 124.285+/-217.284 χ^2/NDF: 113.8/100



Right In: 2872.112+/-0.602 χ^2/NDF: 3451788.8/23

Left Out: 774.143+/-0.243 χ^2/NDF:28086455.1/24

Right Out: 525.419+/-0.220 χ^2/NDF: 22854656.6/28

Left In: 4304.001+/-0.725 χ^2/NDF:1216572.3/22

Left: 1129.512+/-0.230 χ^2/NDF: 50614177.8/47

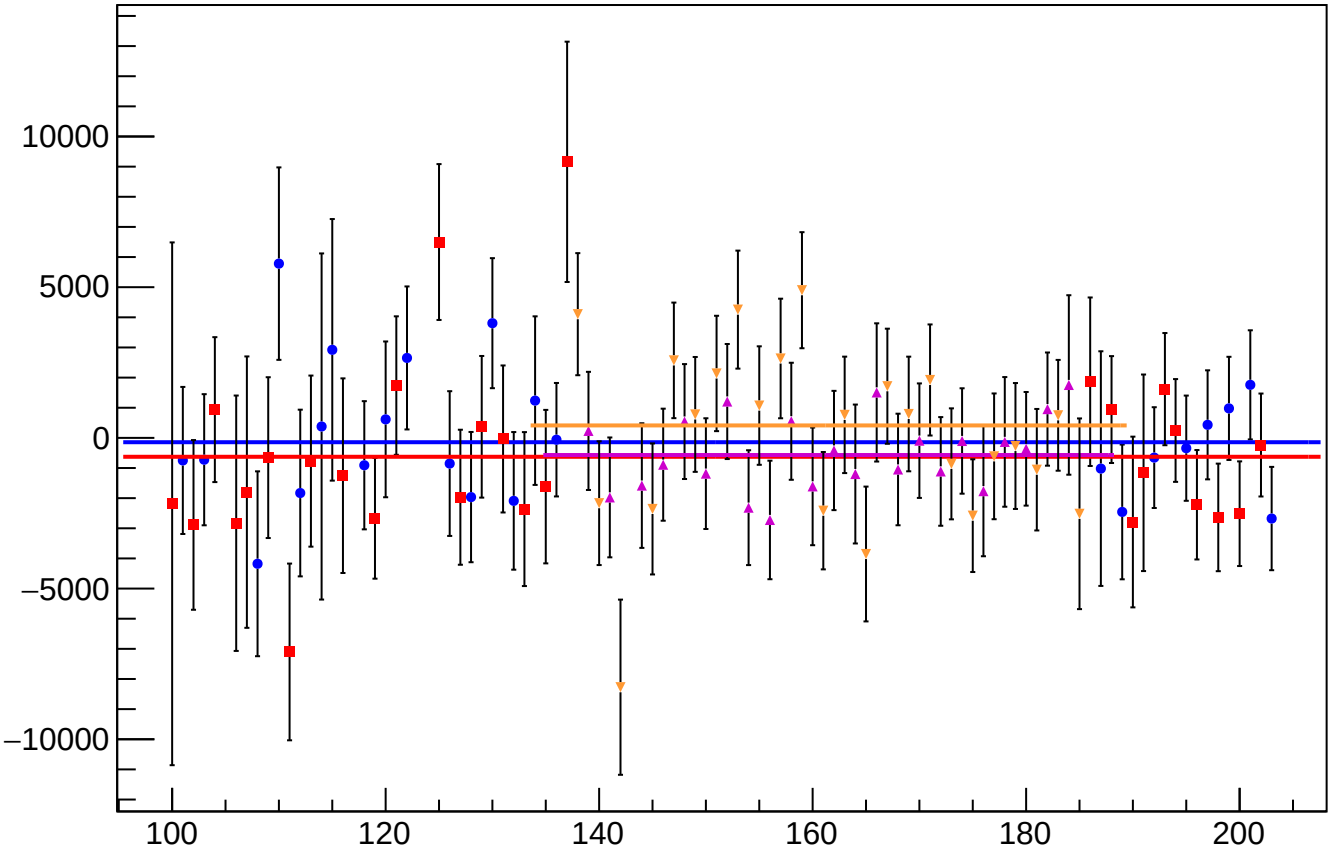
Right: 801.281+/-0.206 χ^2/NDF: 39714566.5/52

In: 3456.379+/-0.463 χ^2/NDF:6976635.8/46

Out: 637.501+/-0.163 χ^2/NDF:51518505.2/53

All: 947.653+/-0.154 χ^2/NDF: 91456377.9/10

dit_asym_atl_dd_mean vs Slug, Sign Corrected



Right In: -143.856+/-456.676 χ^2/NDF: 18.0/23

Left Out: 413.309+/-410.536 χ^2/NDF:40.0/23

Right Out: -627.060+/-447.634 χ^2/NDF: 30.5/27

Left In: -568.823+/-412.052 χ^2/NDF:7.7/22

Left: -75.946+/-290.827 χ^2/NDF: 50.6/46

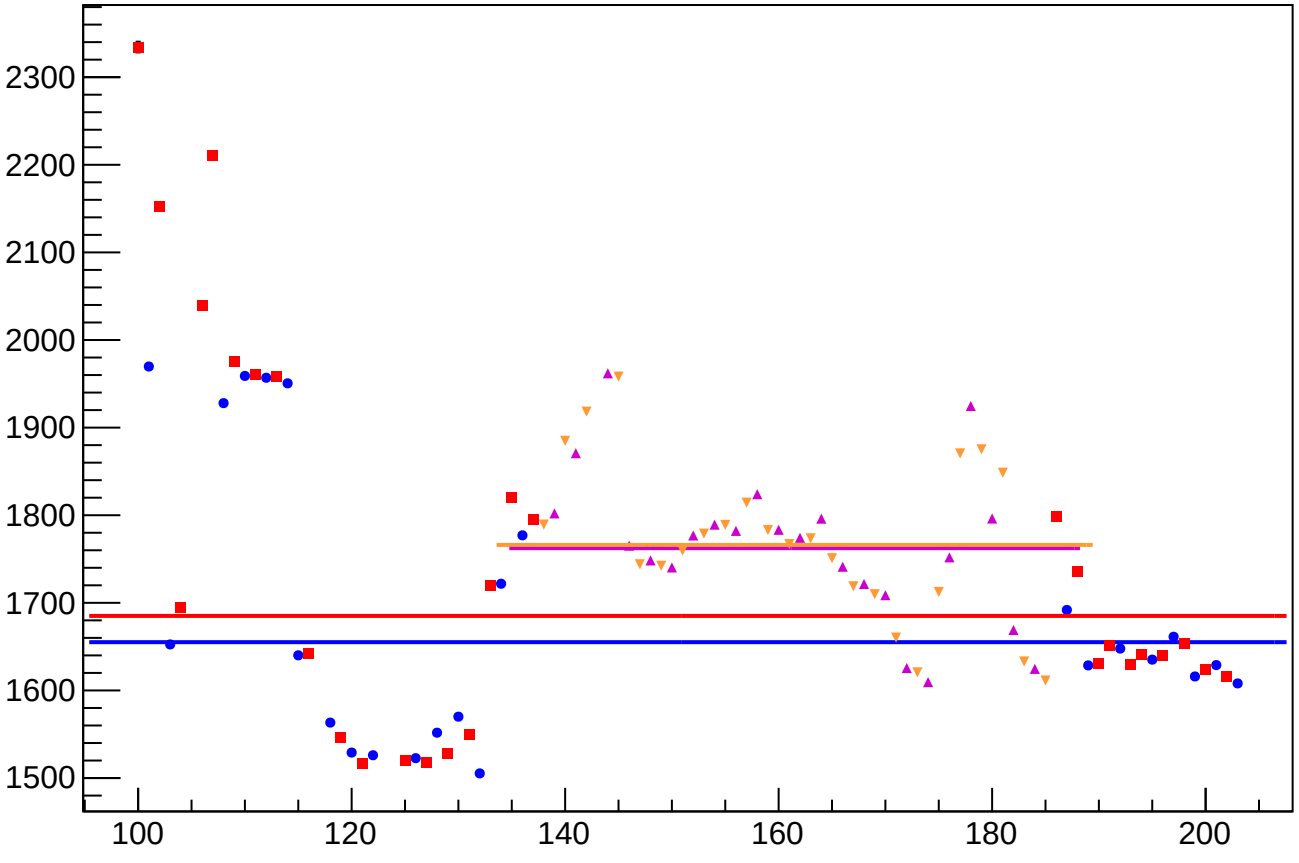
Right: -390.289+/-319.674 χ^2/NDF: 49.0/51

In: -378.111+/-305.928 χ^2/NDF:26.2/46

Out: -61.984+/-302.559 χ^2/NDF:73.4/51

All: -218.298+/-215.123 χ^2/NDF: 100.1/98

dit_asym_atl_dd_rms vs Slug, Sign Corrected



Right In: 1655.102+/-0.323 χ^2/NDF: 146397.3/23

Left Out: 1766.115+/-0.290 χ^2/NDF:83252.4/23

Right Out: 1685.081+/-0.316 χ^2/NDF: 249483.7/27

Left In: 1762.405+/-0.291 χ^2/NDF:80090.6/22

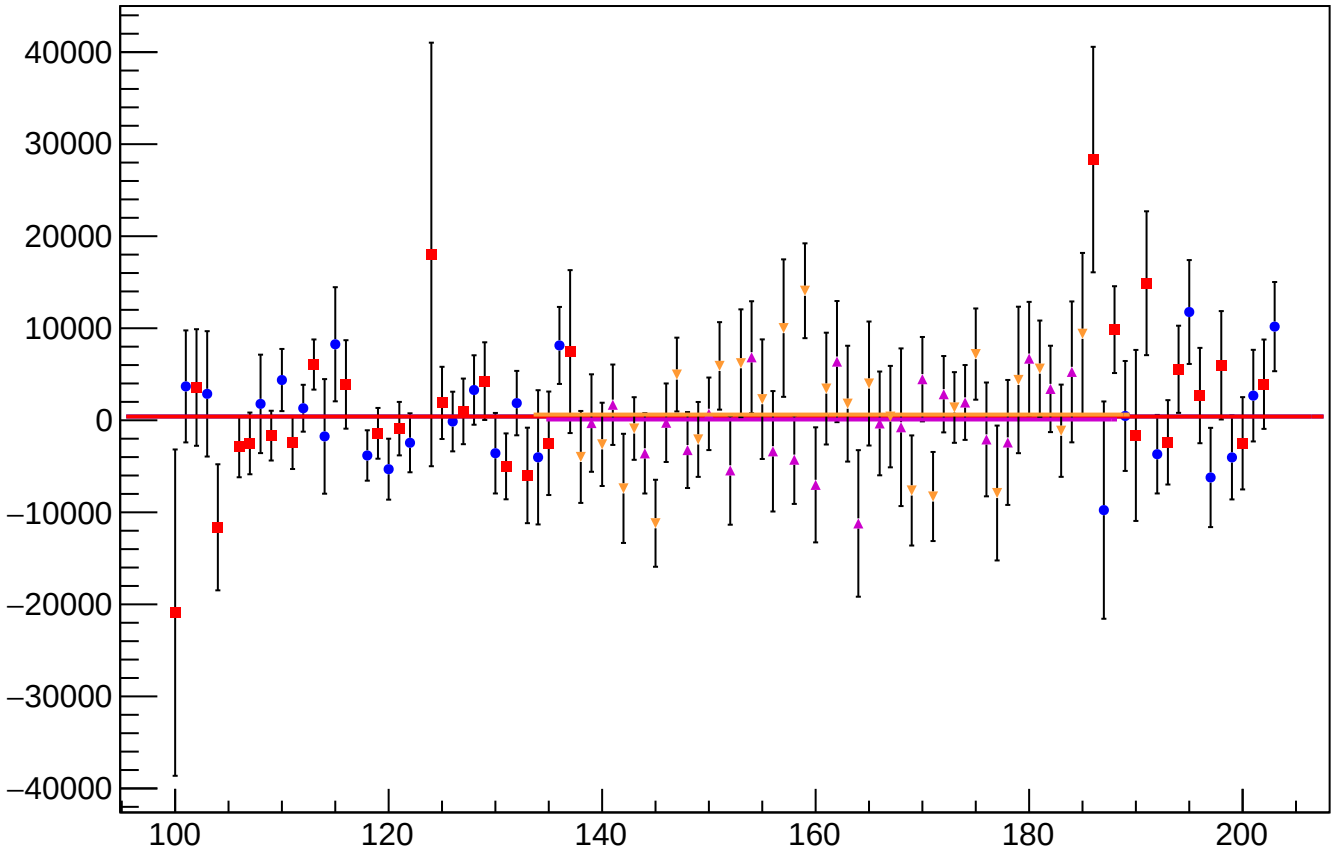
Left: 1764.267+/-0.206 χ^2/NDF: 163424.4/46

Right: 1670.408+/-0.226 χ^2/NDF: 400281.2/51

In: 1714.251+/-0.216 χ^2/NDF:287353.6/46

Out: 1729.050+/-0.214 χ^2/NDF:368378.3/51

All: 1721.736+/-0.152 χ^2/NDF: 658098.8/98



Right In: 413.380+/-857.033 χ^2/NDF: 27.7/23

Left Out: 619.658+/-1034.658 χ^2/NDF:33.1/24

Right Out: 405.829+/-790.605 χ^2/NDF: 36.1/28

Left In: 85.511+/-1082.508 χ^2/NDF:12.9/22

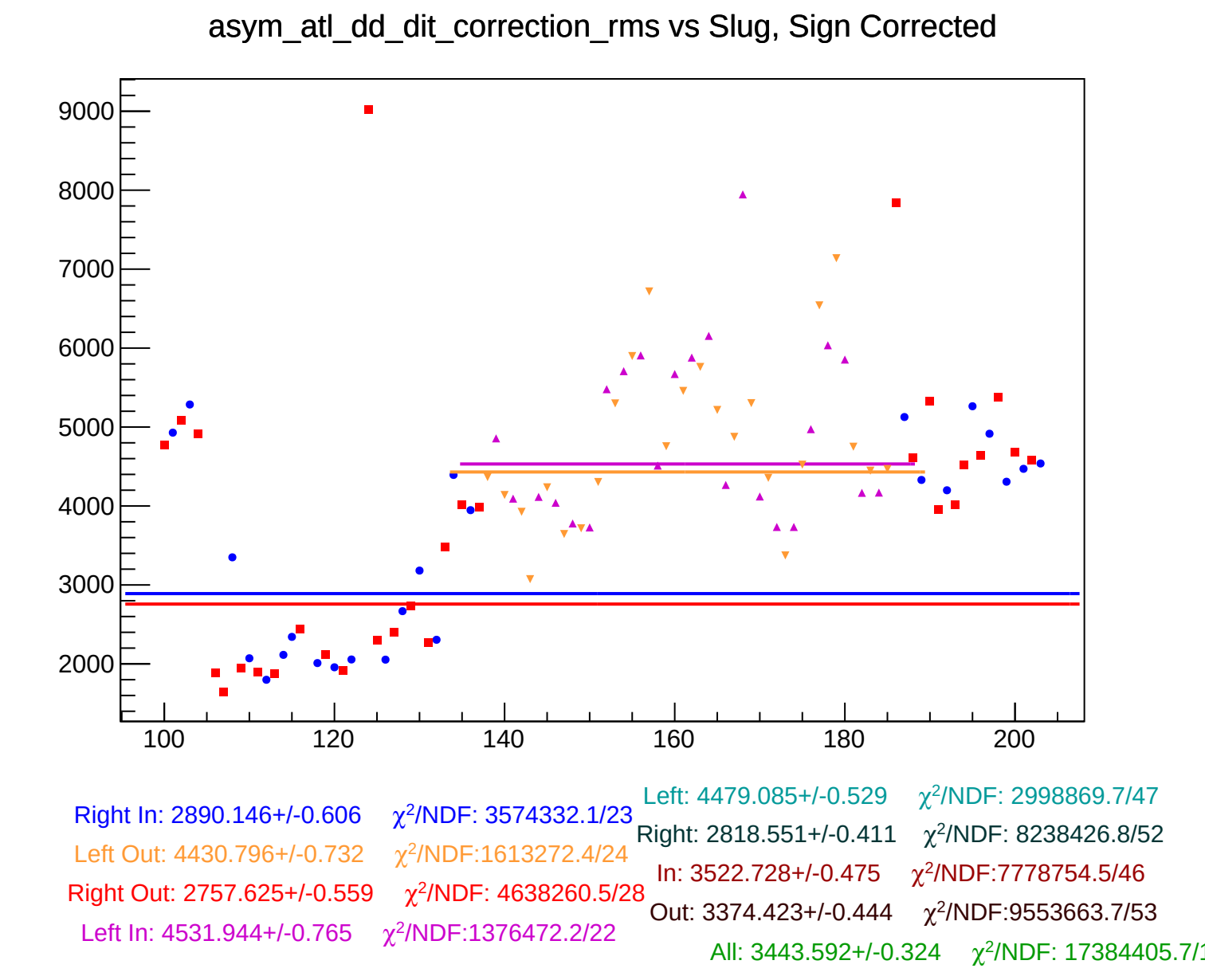
Left: 364.651+/-747.958 χ^2/NDF: 46.1/47

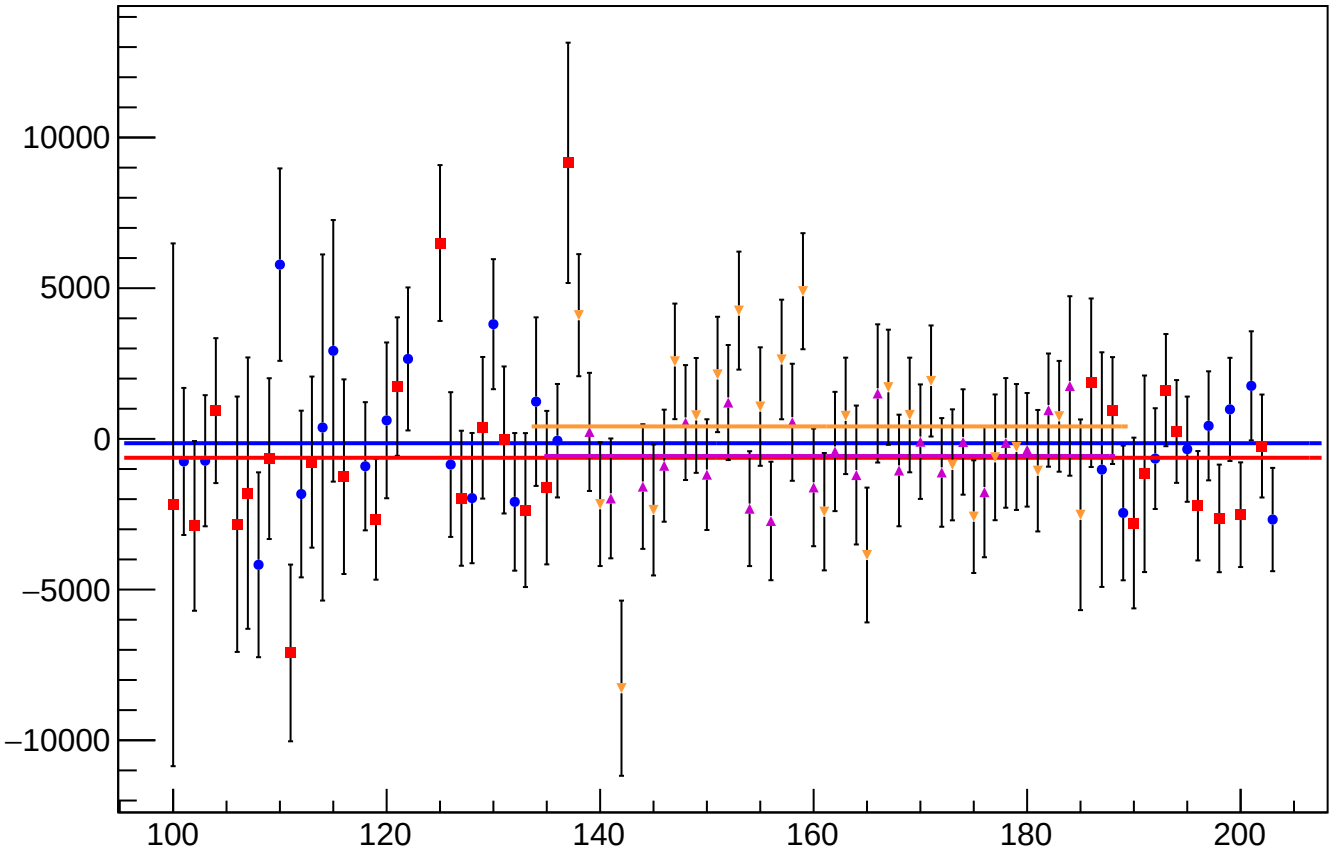
Right: 409.301+/-581.109 χ^2/NDF: 63.8/52

In: 287.053+/-671.939 χ^2/NDF:40.7/46

Out: 484.655+/-628.200 χ^2/NDF:69.2/53

All: 392.494+/-458.889 χ^2/NDF: 109.9/100


asym_atl_dd_dit_correction_rms vs Slug, Sign Corrected
9000
8000
7000
6000
5000
4000
3000
2000
100
120
140
160
180
200
Right In: 2890.146+/-0.606 χ²/NDF: 3574332.1/23
Left Out: 4430.796+/-0.732 χ²/NDF:1613272.4/24
Right Out: 2757.625+/-0.559 χ²/NDF: 4638260.5/28
Left In: 4531.944+/-0.765 χ²/NDF:1376472.2/22
Left: 4479.085+/-0.529 χ²/NDF: 2998869.7/47
Right: 2818.551+/-0.411 χ²/NDF: 8238426.8/52
In: 3522.728+/-0.475 χ²/NDF:7778754.5/46
Out: 3374.423+/-0.444 χ²/NDF:9553663.7/53
All: 3443.592+/-0.324 χ²/NDF: 17384405.7/



Right In: -143.853+/-456.676 χ^2/NDF: 18.0/23

Left Out: 413.311+/-410.536 χ^2/NDF:40.0/23

Right Out: -627.061+/-447.634 χ^2/NDF: 30.5/27

Left In: -568.821+/-412.052 χ^2/NDF:7.7/22

Left: -75.945+/-290.827 χ^2/NDF: 50.6/46

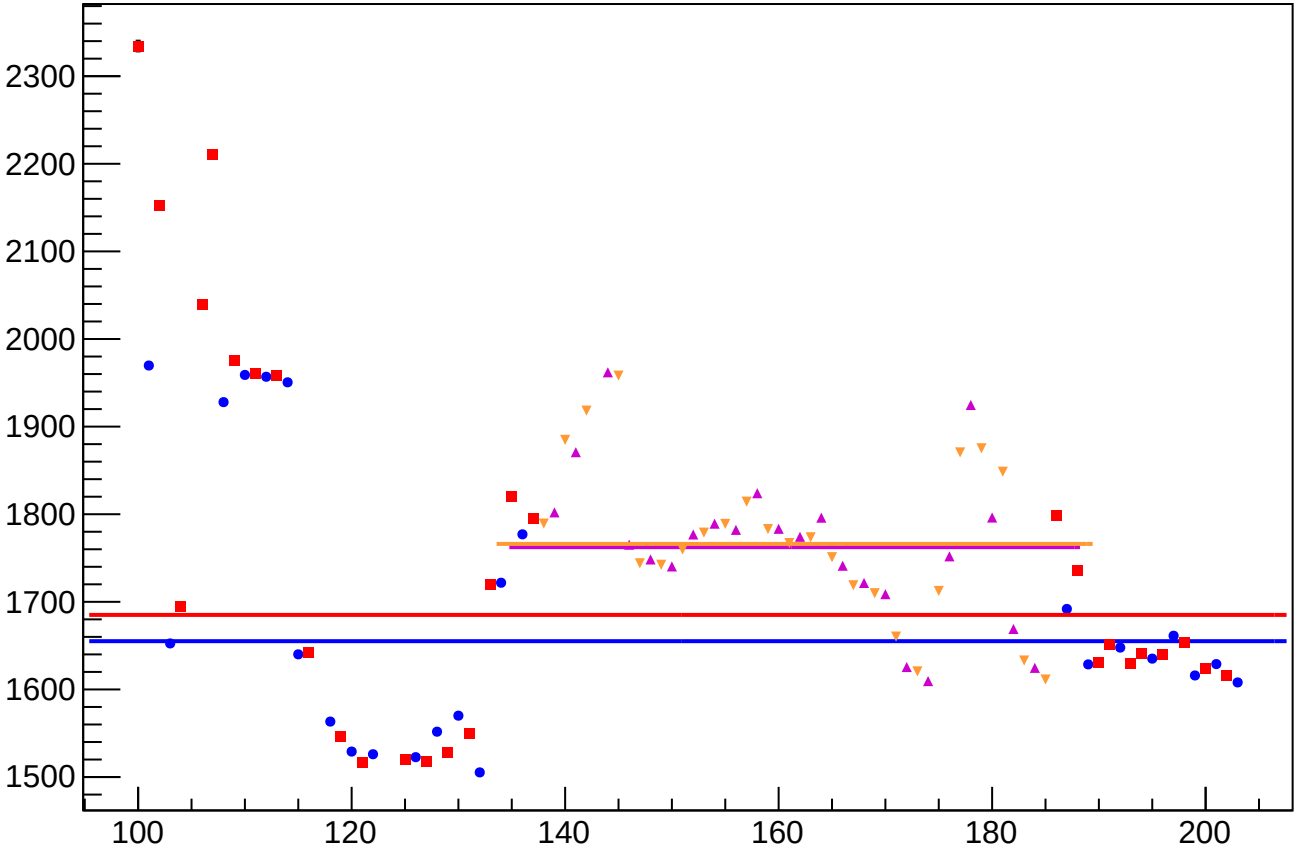
Right: -390.288+/-319.674 χ^2/NDF: 49.0/51

In: -378.109+/-305.928 χ^2/NDF:26.2/46

Out: -61.984+/-302.559 χ^2/NDF:73.4/51

All: -218.297+/-215.123 χ^2/NDF: 100.1/98

eigen_dit_asym_atl_dd_rms vs Slug, Sign Corrected



Right In: 1655.102+/-0.323 χ^2/NDF: 146397.3/23

Left Out: 1766.116+/-0.290 χ^2/NDF:83255.3/23

Right Out: 1685.081+/-0.316 χ^2/NDF: 249482.7/27

Left In: 1762.406+/-0.291 χ^2/NDF:80093.2/22

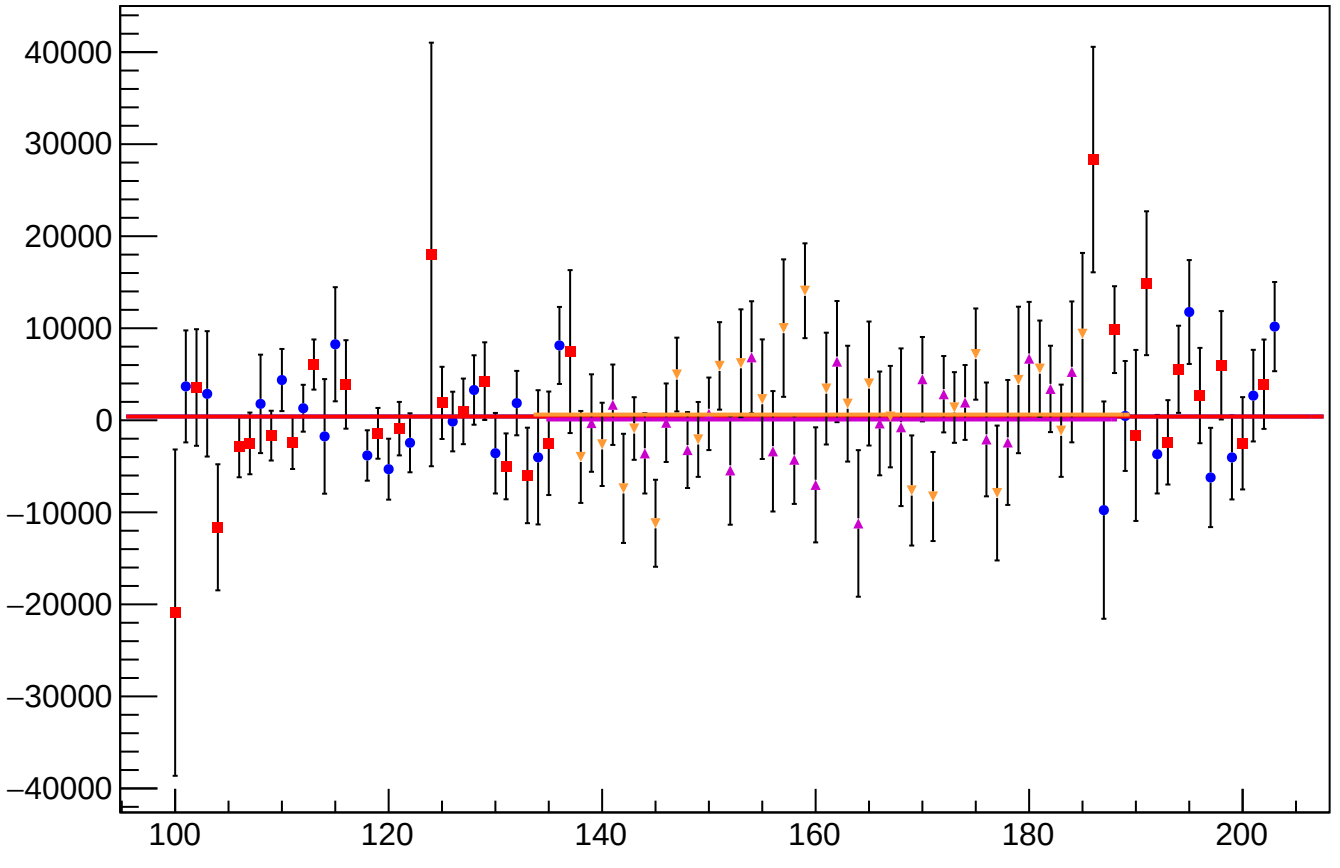
Left: 1764.268+/-0.206 χ^2/NDF: 163429.9/46

Right: 1670.408+/-0.226 χ^2/NDF: 400280.3/51

In: 1714.252+/-0.216 χ^2/NDF:287357.3/46

Out: 1729.050+/-0.214 χ^2/NDF:368381.2/51

All: 1721.737+/-0.152 χ^2/NDF: 658105.5/98



Right In: 413.373+/-857.030 χ^2/NDF: 27.7/23

Left Out: 619.663+/-1034.659 χ^2/NDF:33.1/24

Right Out: 405.823+/-790.603 χ^2/NDF: 36.1/28

Left In: 85.511+/-1082.509 χ^2/NDF:12.9/22

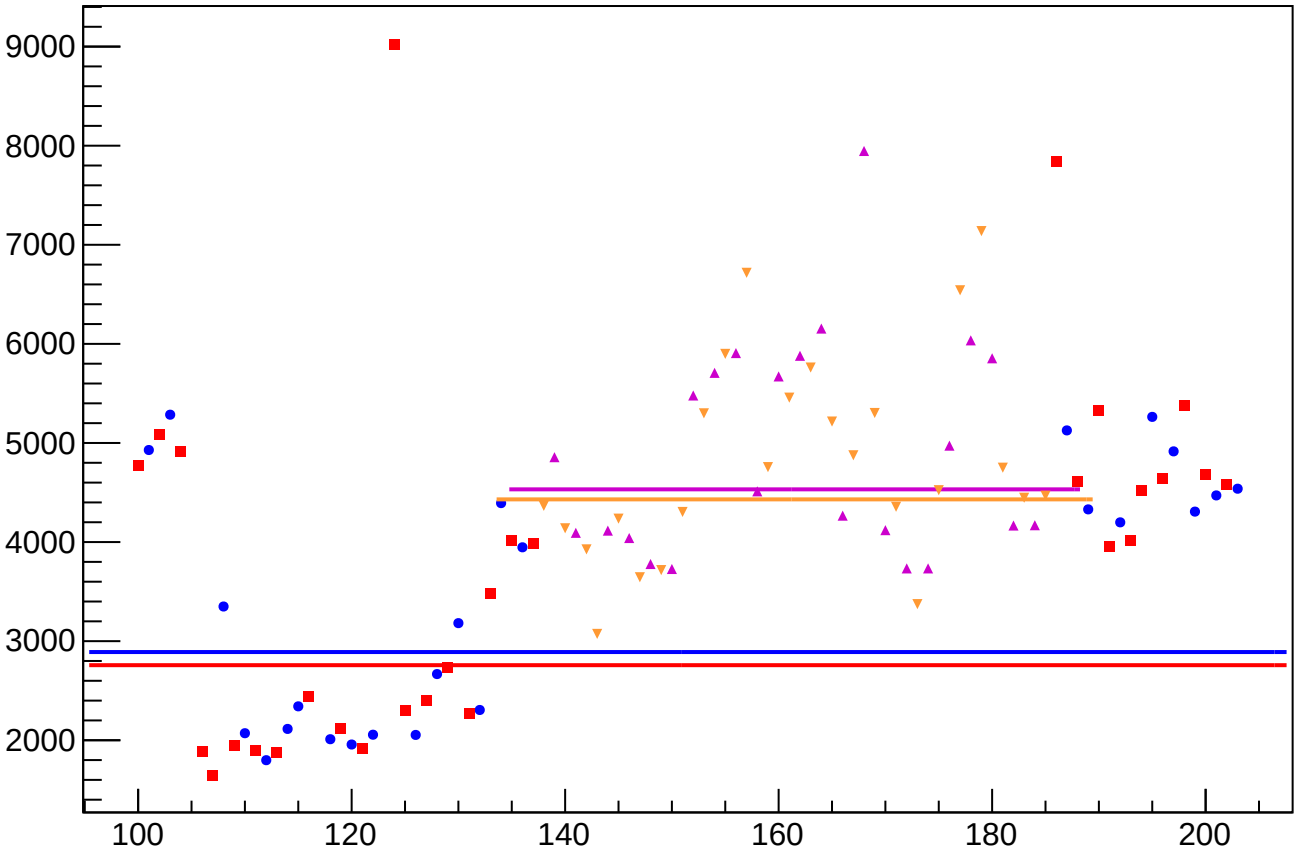
Left: 364.653+/-747.959 χ^2/NDF: 46.1/47

Right: 409.294+/-581.107 χ^2/NDF: 63.8/52

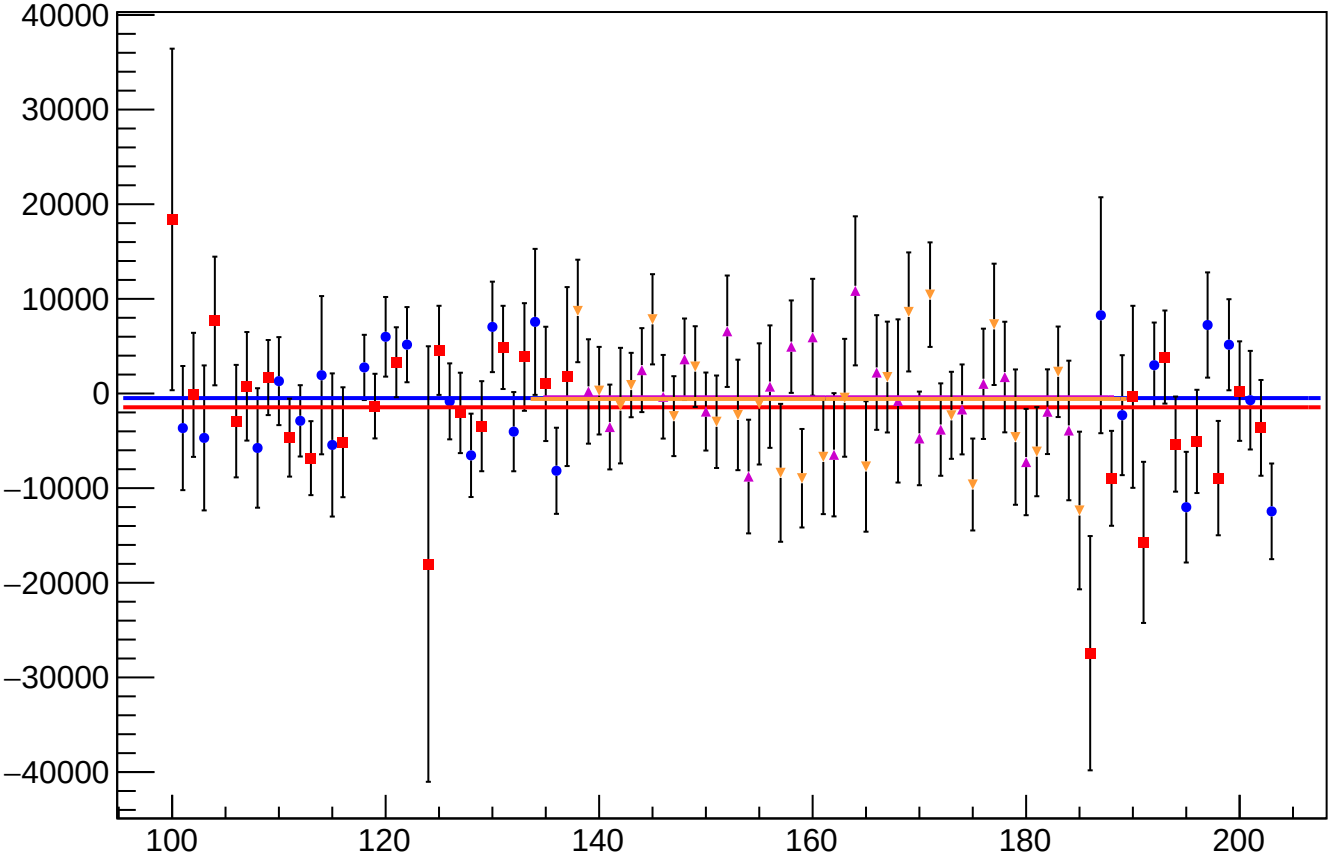
In: 287.049+/-671.938 χ^2/NDF:40.7/46

Out: 484.653+/-628.199 χ^2/NDF:69.2/53

All: 392.491+/-458.888 χ^2/NDF: 109.9/100


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: 2890.135+/-0.606 χ²/NDF: 3574377.7/23
Left Out: 4430.803+/-0.732 χ²/NDF:1613274.9/24
Right Out: 2757.616+/-0.559 χ²/NDF: 4638299.8/28
Left In: 4531.951+/-0.765 χ²/NDF:1376473.4/22
Left: 4479.092+/-0.529 χ²/NDF: 2998873.4/47
Right: 2818.541+/-0.411 χ²/NDF: 8238511.2/52
In: 3522.720+/-0.475 χ²/NDF:7778863.9/46
Out: 3374.417+/-0.444 χ²/NDF:9553768.6/53
All: 3443.585+/-0.324 χ²/NDF: 17384619.5/

asym_atl_dd_mean vs Slug, Sign Corrected



Right In: -484.992+/-1021.193 χ^2/NDF: 30.6/23

Left Out: -573.122+/-1054.836 χ^2/NDF:28.8/24

Right Out: -1456.665+/-980.902 χ^2/NDF: 27.5/28

Left In: -398.404+/-1109.490 χ^2/NDF:14.0/22

Left: -490.172+/-764.473 χ^2/NDF: 42.8/47

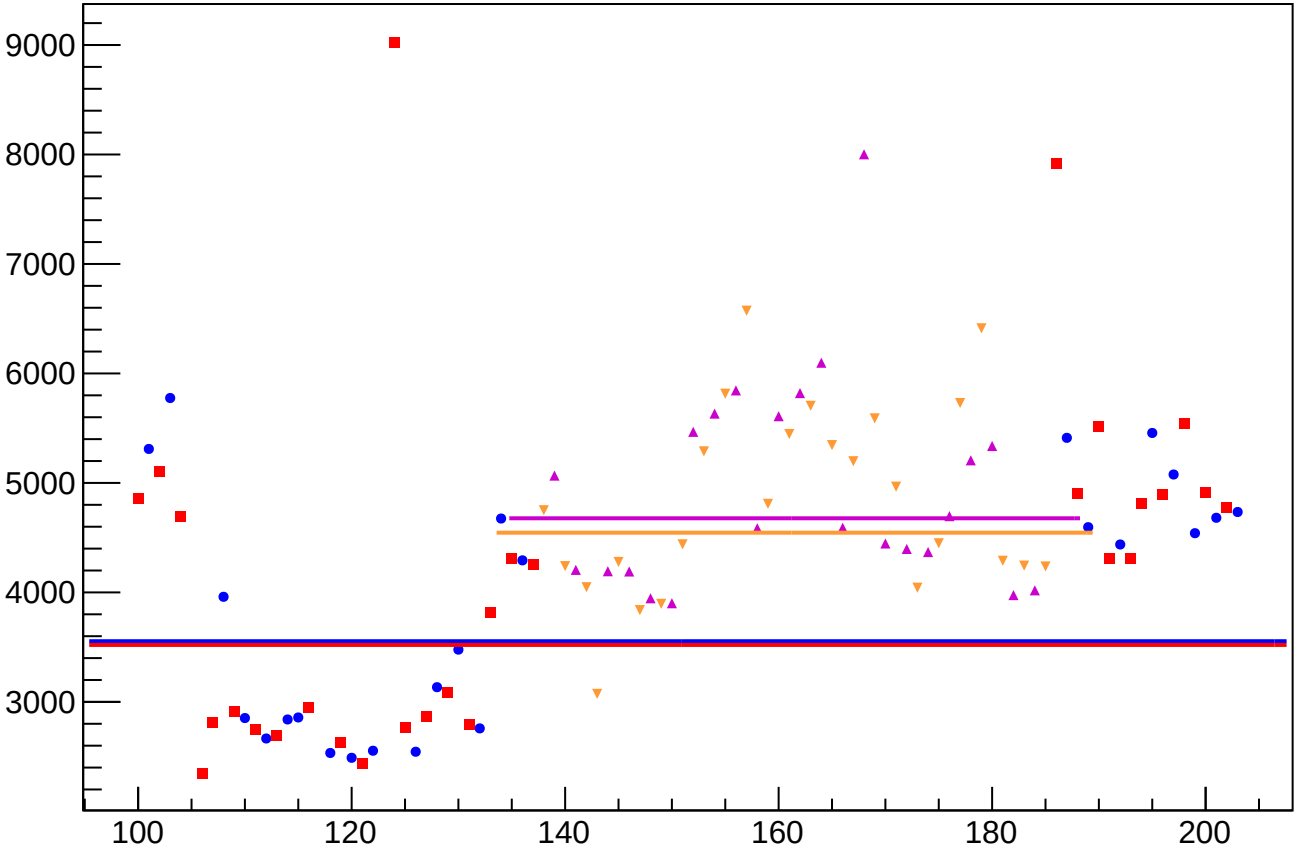
Right: -990.376+/-707.418 χ^2/NDF: 58.6/52

In: -445.280+/-751.372 χ^2/NDF:44.6/46

Out: -1046.940+/-718.319 χ^2/NDF:56.7/53

All: -759.634+/-519.220 χ^2/NDF: 101.6/100

asym_atl_dd_rms vs Slug, Sign Corrected



Right In: 3554.159+/-0.722 χ^2/NDF: 2075224.4/23

Left Out: 4545.493+/-0.746 χ^2/NDF:1258528.5/24

Right Out: 3520.211+/-0.687 χ^2/NDF: 2530195.8/28

Left In: 4677.049+/-0.785 χ^2/NDF:959885.7/22

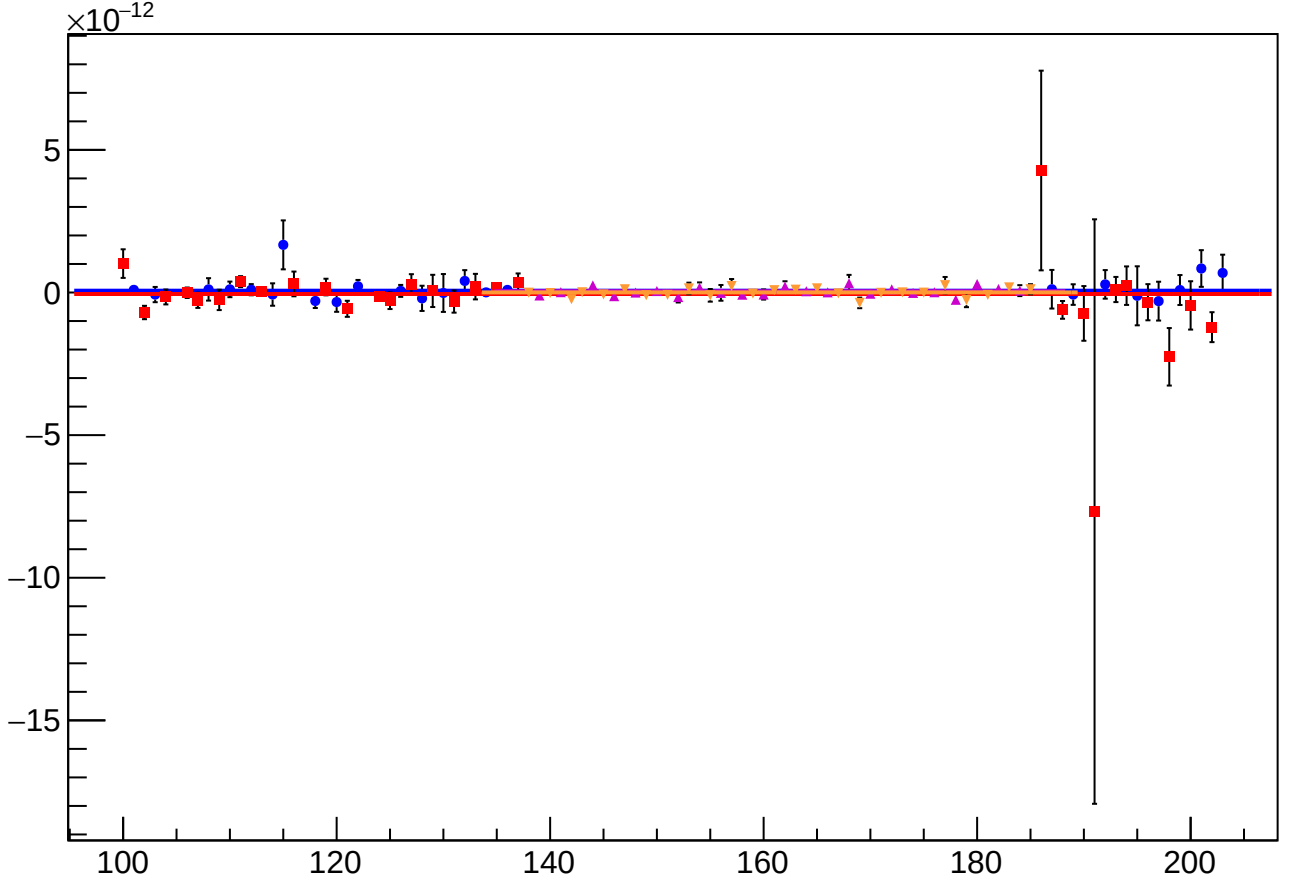
Left: 4607.951+/-0.541 χ^2/NDF: 2233183.6/47

Right: 3536.335+/-0.498 χ^2/NDF: 4606580.6/52

In: 4069.150+/-0.531 χ^2/NDF:4144161.9/46

Out: 3990.640+/-0.505 χ^2/NDF:4811265.9/53

All: 4027.922+/-0.366 χ^2/NDF: 8966894.5/10



Right In: 0.000+/-0.000 χ^2/NDF: 12.4/23

Left Out: 0.000+/-0.000 χ^2/NDF:18.2/24

Right Out: -0.000+/-0.000 χ^2/NDF: 46.7/28

Left In: 0.000+/-0.000 χ^2/NDF:20.6/22

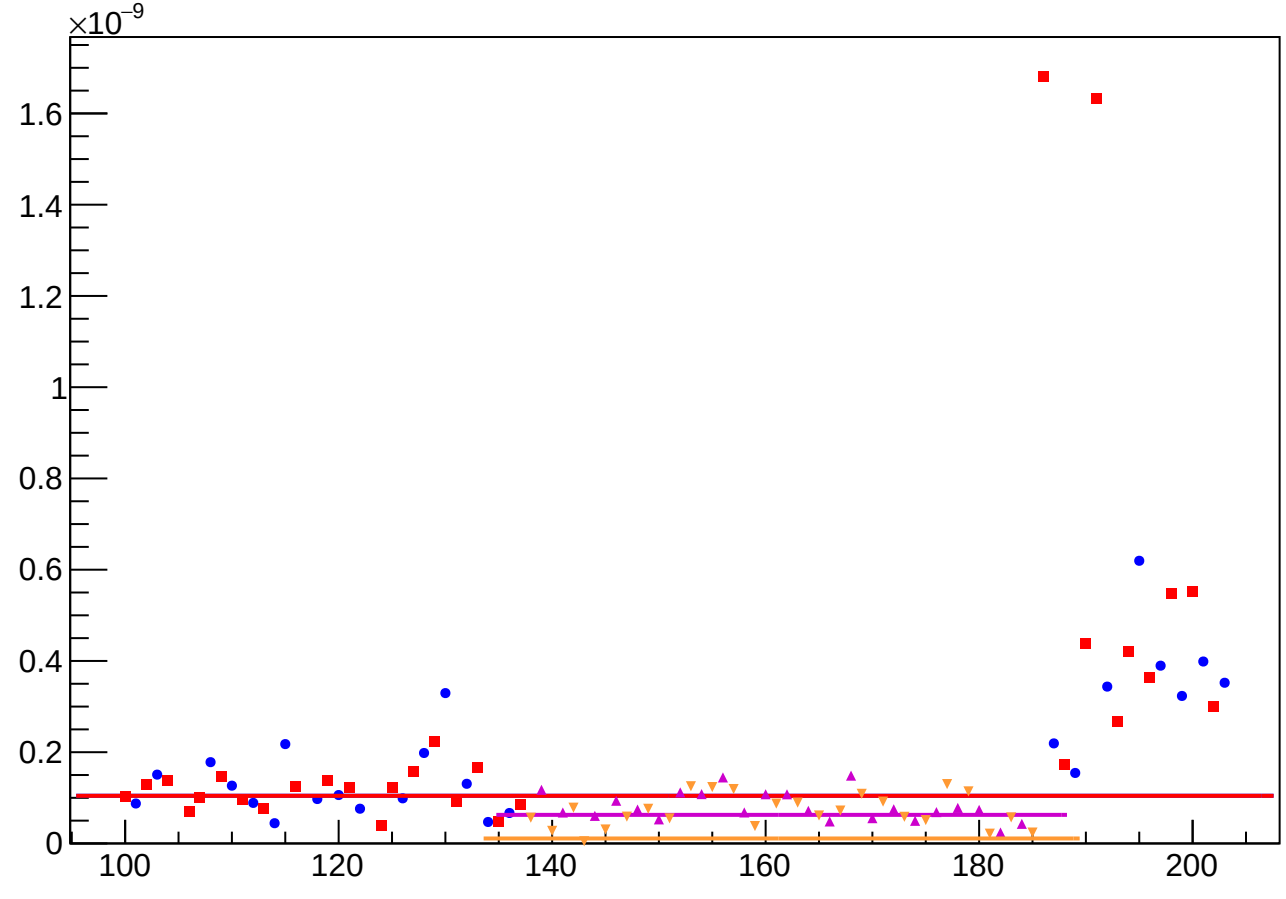
Left: 0.000+/-0.000 χ^2/NDF: 40.9/47

Right: 0.000+/-0.000 χ^2/NDF: 61.5/52

In: 0.000+/-0.000 χ^2/NDF:33.1/46

Out: 0.000+/-0.000 χ^2/NDF:66.0/53

All: 0.000+/-0.000 χ^2/NDF: 102.4/100



Right In: 0.000+/-0.000 χ^2/NDF: 3560336.1/23

Left Out: 0.000+/-0.000 χ^2/NDF:9705530.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 4240173.8/28

Left In: 0.000+/-0.000 χ^2/NDF:2092071.7/22

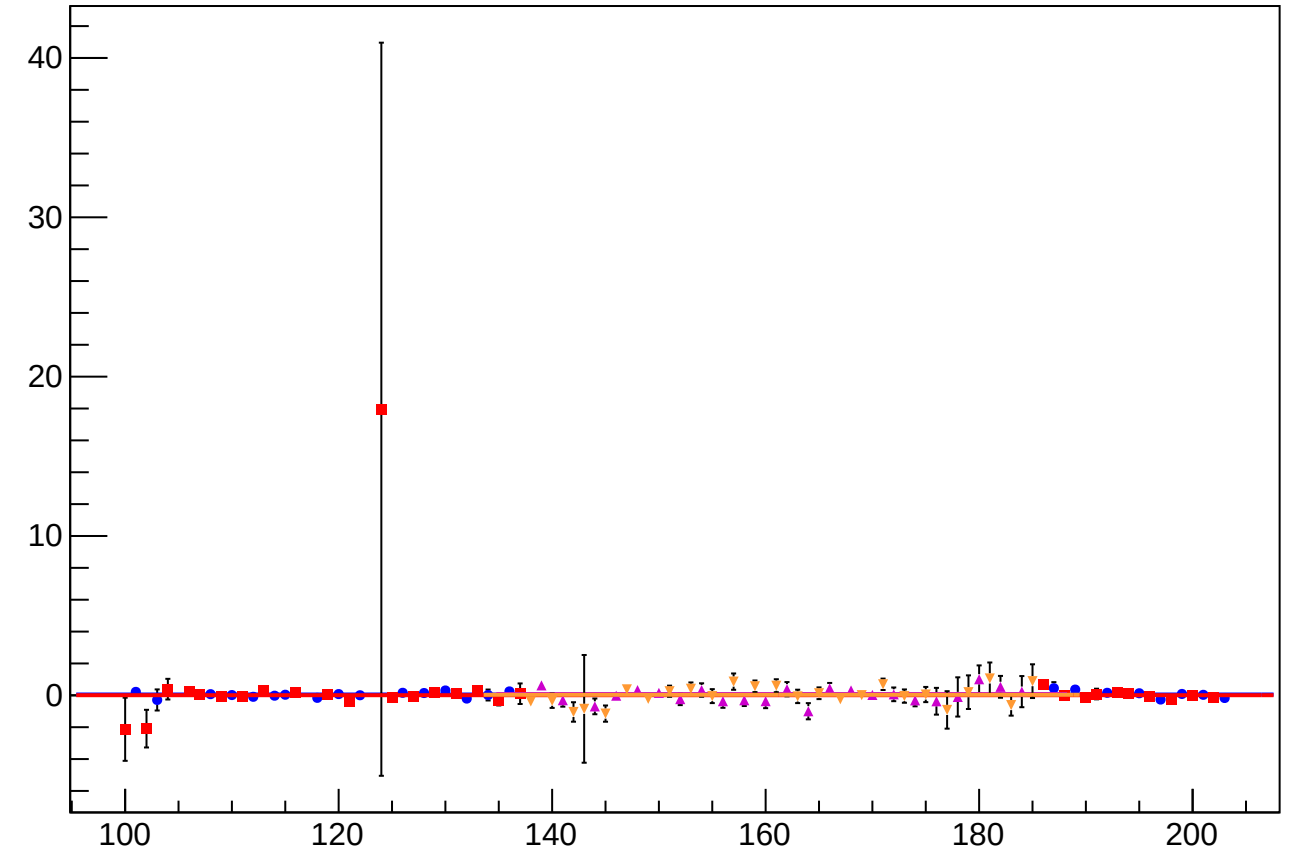
Left: 0.000+/-0.000 χ^2/NDF: 18964164.6/47

Right: 0.000+/-0.000 χ^2/NDF: 7800518.6/52

In: 0.000+/-0.000 χ^2/NDF:6620693.6/46

Out: 0.000+/-0.000 χ^2/NDF:19903636.9/53

All: 0.000+/-0.000 χ^2/NDF: 37159795.5/100



Right In: 0.051+/-0.038 χ^2/NDF: 16.8/23

Left Out: 0.036+/-0.077 χ^2/NDF:29.7/24

Right Out: 0.008+/-0.034 χ^2/NDF: 31.2/28

Left In: 0.078+/-0.076 χ^2/NDF:24.1/22

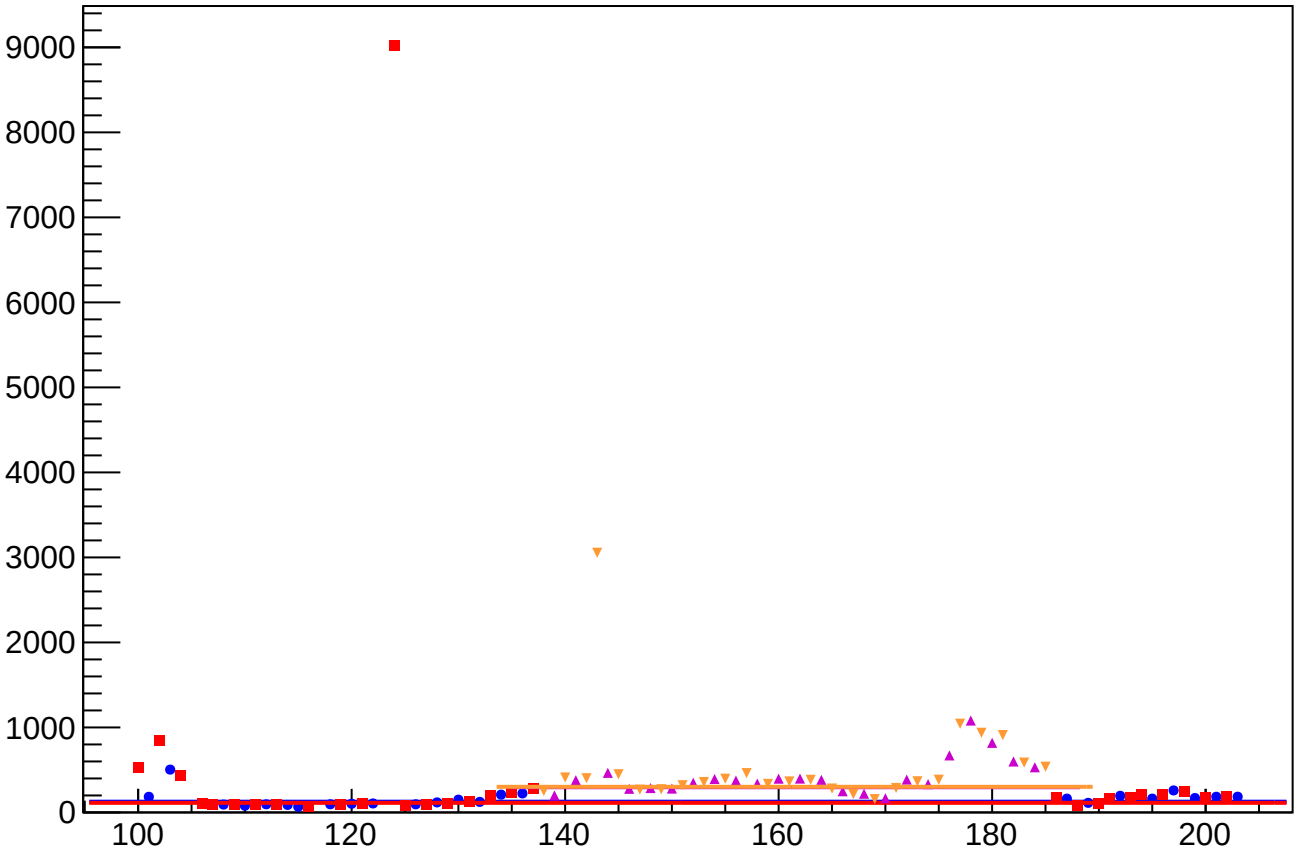
Left: 0.057+/-0.054 χ^2/NDF: 53.9/47

Right: 0.027+/-0.026 χ^2/NDF: 48.7/52

In: 0.057+/-0.034 χ^2/NDF:41.0/46

Out: 0.012+/-0.031 χ^2/NDF:61.0/53

All: 0.033+/-0.023 χ^2/NDF: 102.9/100



Right In: 126.609+/-0.027 χ^2/NDF: 3382266.7/23

Left Out: 301.735+/-0.054 χ^2/NDF:6693517.2/24

Right Out: 113.319+/-0.024 χ^2/NDF: 5057217.8/28

Left In: 296.875+/-0.054 χ^2/NDF:4917907.0/22

Left: 299.267+/-0.038 χ^2/NDF: 11615477.5/47

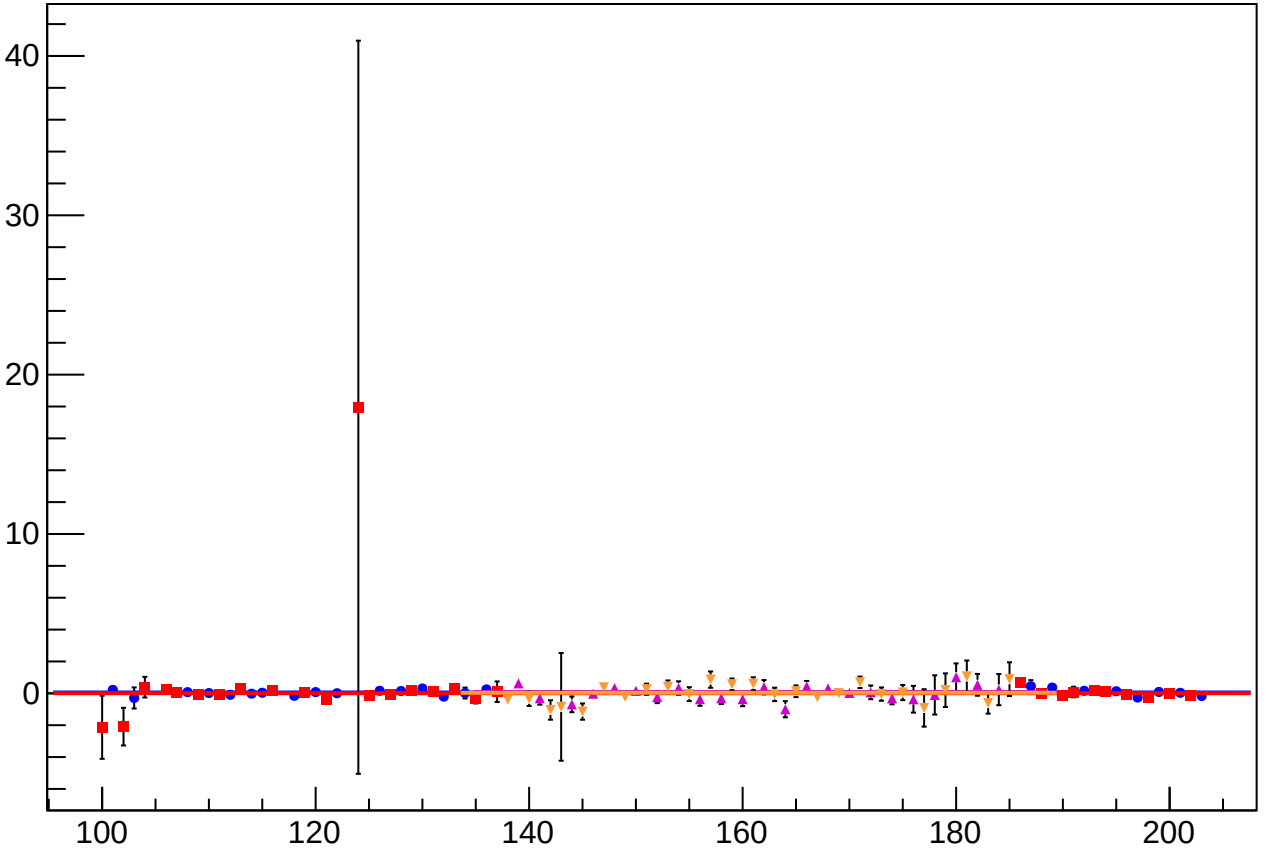
Right: 119.200+/-0.018 χ^2/NDF: 8572985.3/52

In: 161.435+/-0.024 χ^2/NDF:16340567.9/46

Out: 144.437+/-0.022 χ^2/NDF:21765755.0/53

All: 152.162+/-0.016 χ^2/NDF: 38375002.4/10

asym_atl_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.051+/-0.038 χ^2/NDF: 16.8/23

Left Out: 0.036+/-0.077 χ^2/NDF:29.7/24

Right Out: 0.008+/-0.034 χ^2/NDF: 31.2/28

Left In: 0.078+/-0.076 χ^2/NDF:24.1/22

Left: 0.057+/-0.054 χ^2/NDF: 53.9/47

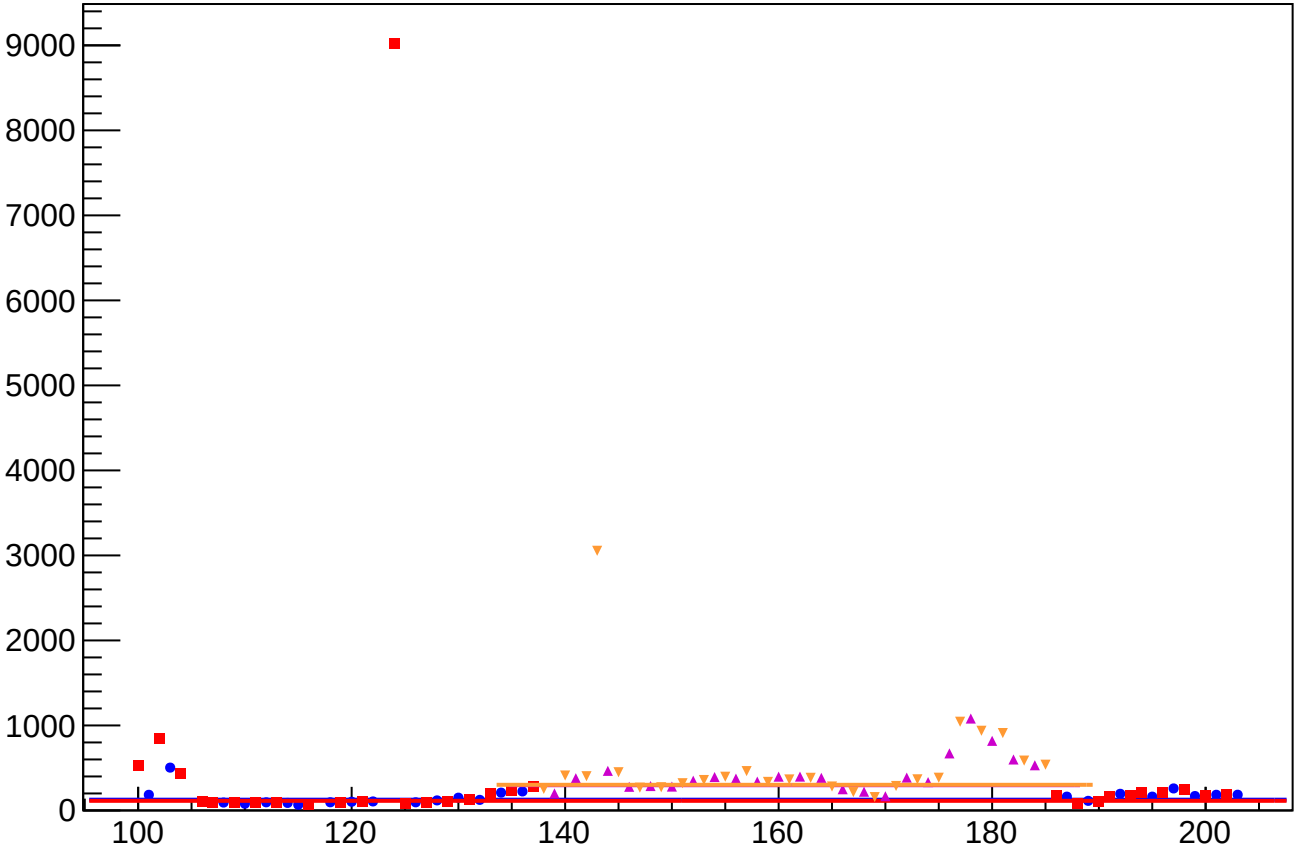
Right: 0.027+/-0.026 χ^2/NDF: 48.7/52

In: 0.057+/-0.034 χ^2/NDF:41.0/46

Out: 0.012+/-0.031 χ^2/NDF:61.0/53

All: 0.033+/-0.023 χ^2/NDF: 102.9/100

asym_atl_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 126.609+/-0.027 χ^2/NDF: 3382266.7/23

Left Out: 301.735+/-0.054 χ^2/NDF:6693517.2/24

Right Out: 113.319+/-0.024 χ^2/NDF: 5057217.8/28

Left In: 296.875+/-0.054 χ^2/NDF:4917907.0/22

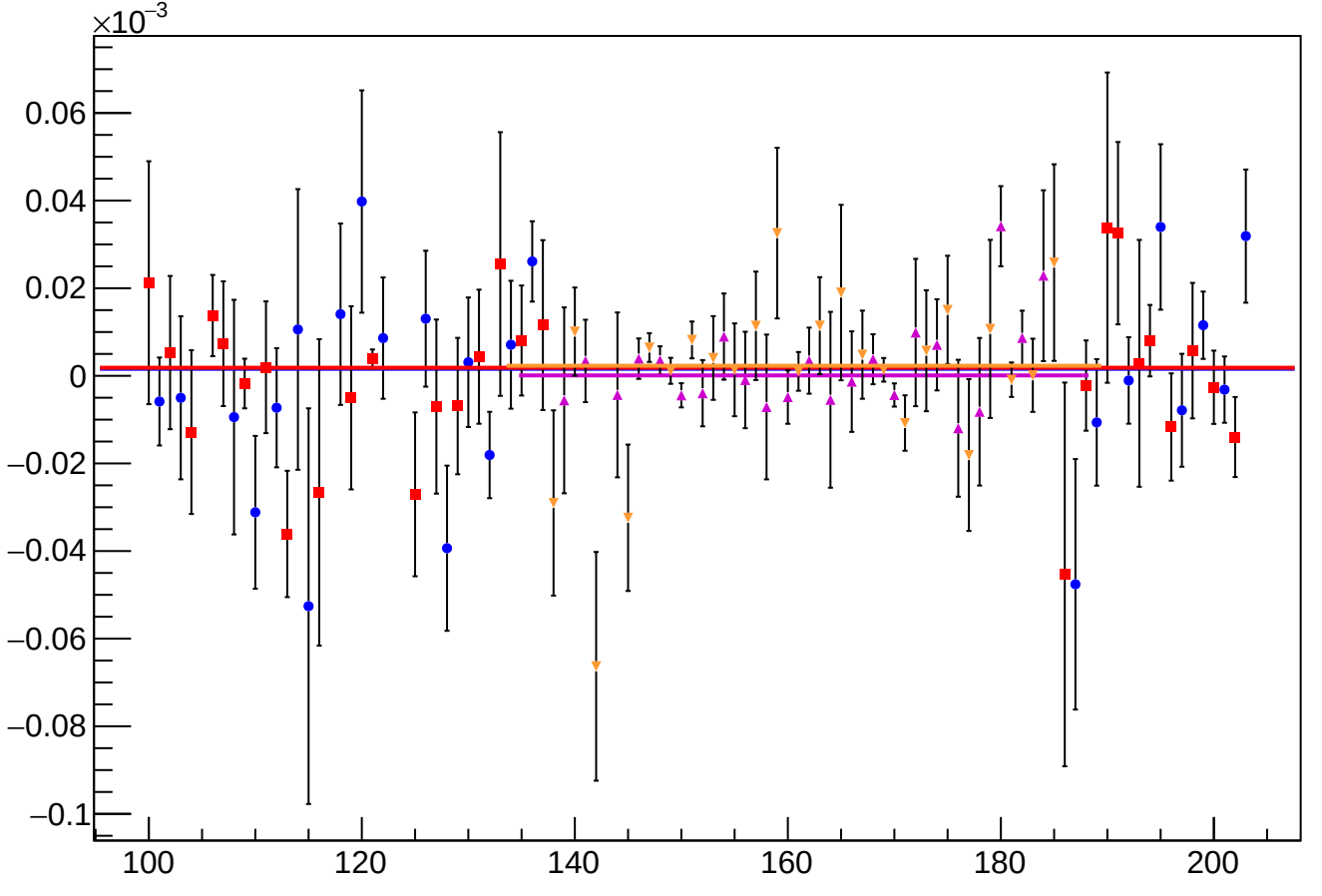
Left: 299.267+/-0.038 χ^2/NDF: 11615477.5/47

Right: 119.200+/-0.018 χ^2/NDF: 8572985.3/52

In: 161.435+/-0.024 χ^2/NDF:16340567.9/46

Out: 144.437+/-0.022 χ^2/NDF:21765755.0/53

All: 152.162+/-0.016 χ^2/NDF: 38375002.4/10



Right In: 0.000+/-0.000 χ^2/NDF: 39.0/23

Left Out: 0.000+/-0.000 χ^2/NDF:31.2/23

Right Out: 0.000+/-0.000 χ^2/NDF: 25.4/27

Left In: 0.000+/-0.000 χ^2/NDF:29.1/22

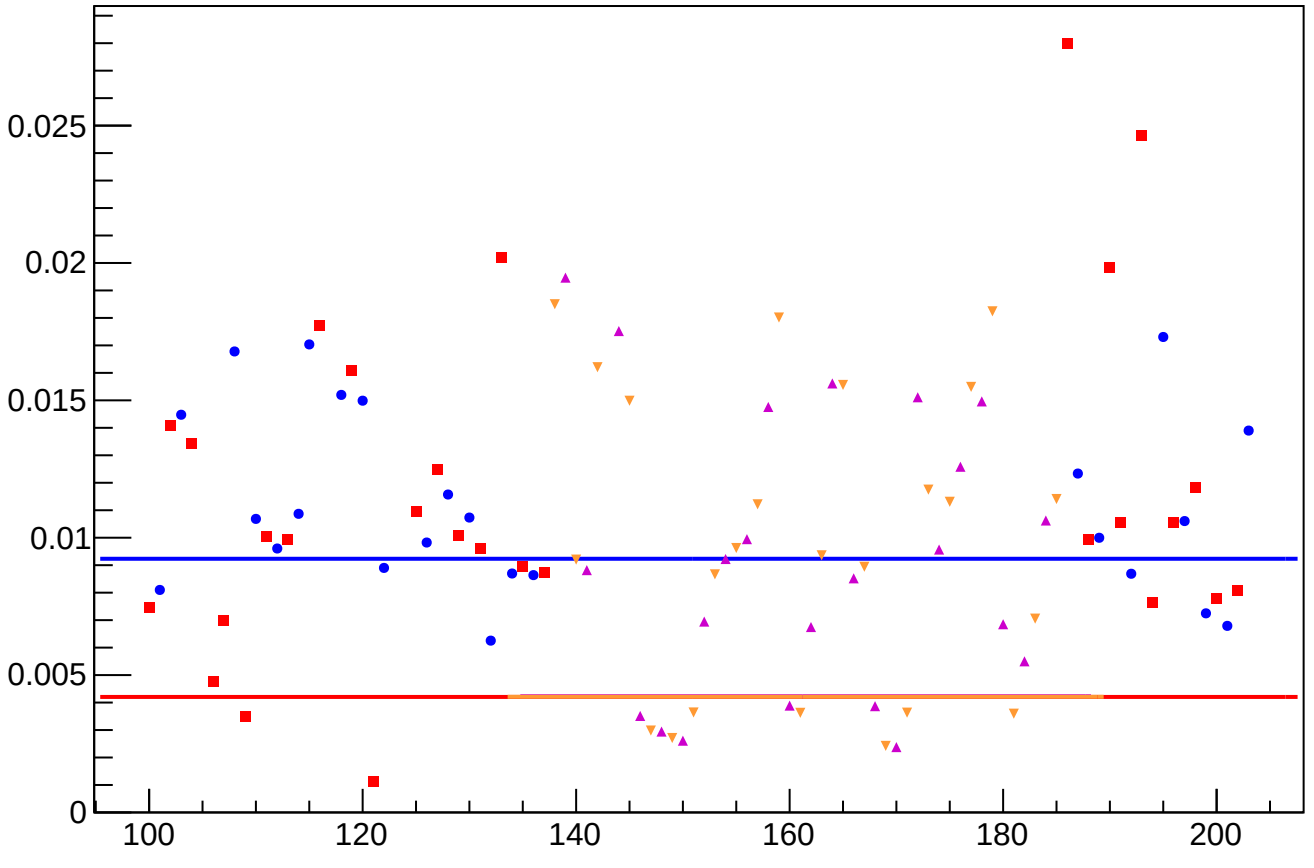
Left: 0.000+/-0.000 χ^2/NDF: 61.8/46

Right: 0.000+/-0.000 χ^2/NDF: 64.4/51

In: 0.000+/-0.000 χ^2/NDF:68.3/46

Out: 0.000+/-0.000 χ^2/NDF:56.6/51

All: 0.000+/-0.000 χ^2/NDF: 126.3/98



Right In: 0.009+/-0.000 χ^2/NDF: 1894771.8/23

Left Out: 0.004+/-0.000 χ^2/NDF:12078055.5/23

Right Out: 0.004+/-0.000 χ^2/NDF: 13849156.5/27

Left In: 0.004+/-0.000 χ^2/NDF:11034220.9/22

Left: 0.004+/-0.000 χ^2/NDF: 23112509.3/46

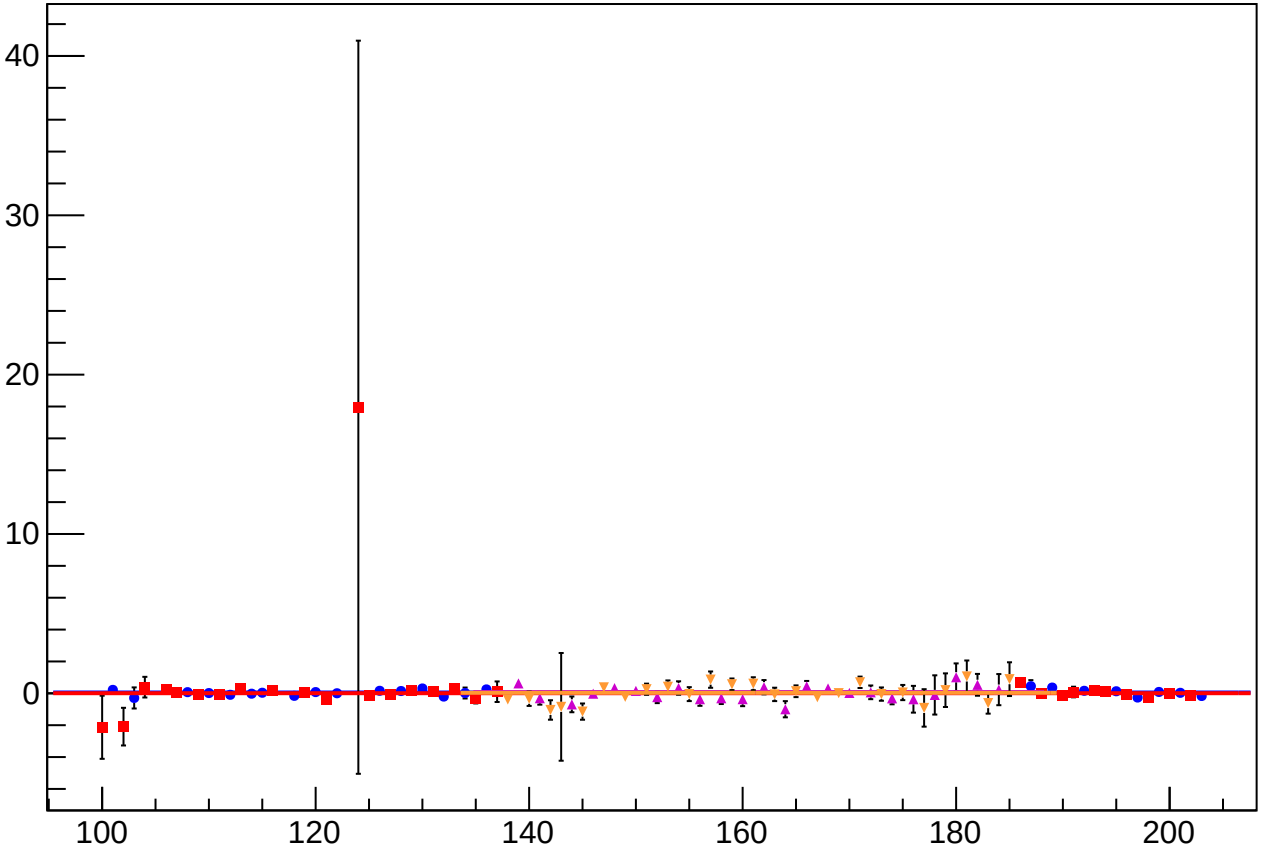
Right: 0.006+/-0.000 χ^2/NDF: 20749832.5/51

In: 0.005+/-0.000 χ^2/NDF:18505435.1/46

Out: 0.004+/-0.000 χ^2/NDF:25927226.0/51

All: 0.005+/-0.000 χ^2/NDF: 45163557.1/98

asym_atl_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.051+/-0.038 χ^2/NDF: 16.8/23

Left Out: 0.036+/-0.077 χ^2/NDF:29.7/24

Right Out: 0.008+/-0.034 χ^2/NDF: 31.2/28

Left In: 0.078+/-0.076 χ^2/NDF:24.1/22

Left: 0.057+/-0.054 χ^2/NDF: 53.9/47

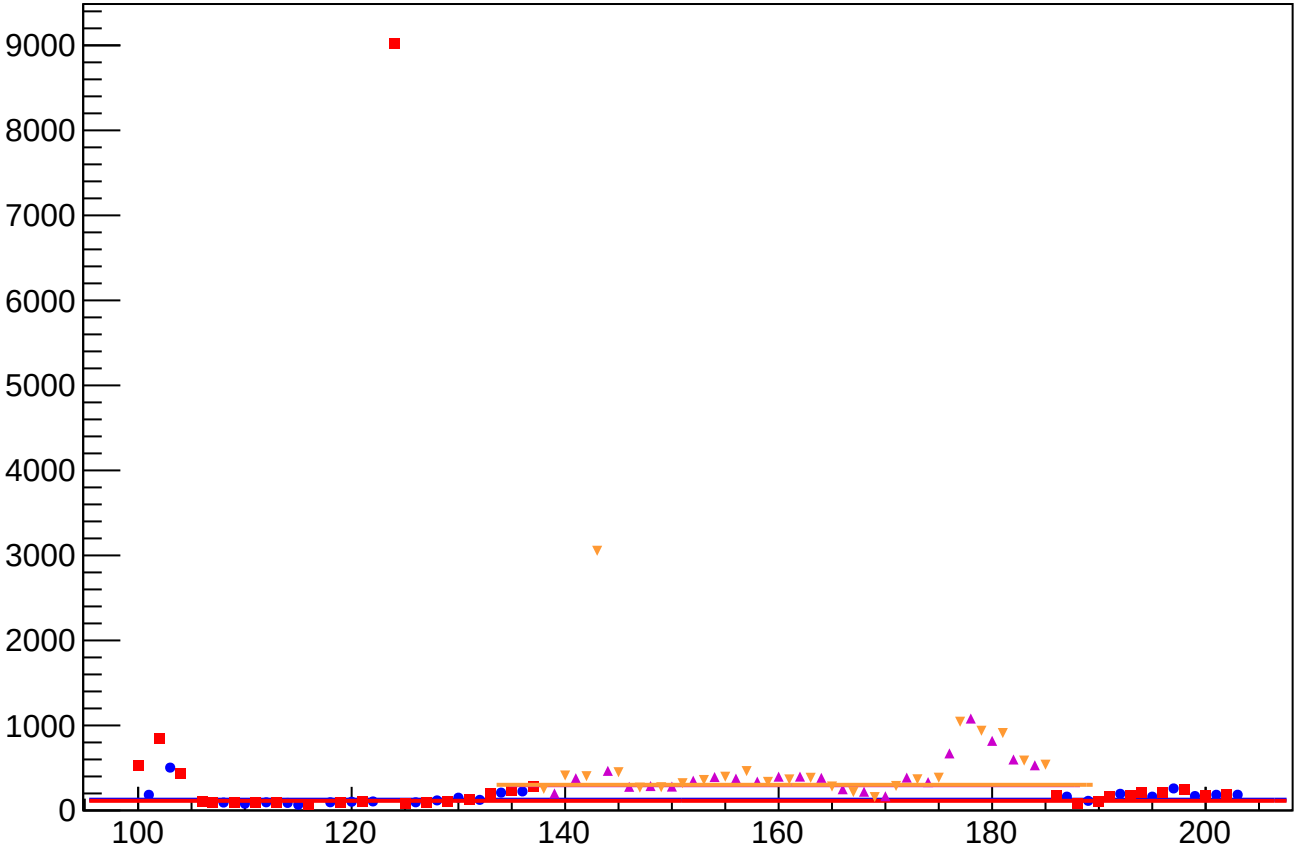
Right: 0.027+/-0.026 χ^2/NDF: 48.7/52

In: 0.057+/-0.034 χ^2/NDF:41.0/46

Out: 0.012+/-0.031 χ^2/NDF:61.0/53

All: 0.033+/-0.023 χ^2/NDF: 102.9/100

asym_atl_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 126.609+/-0.027 χ^2/NDF: 3382231.1/23

Left Out: 301.737+/-0.054 χ^2/NDF:6693577.7/24

Right Out: 113.320+/-0.024 χ^2/NDF: 5057064.6/28

Left In: 296.878+/-0.054 χ^2/NDF:4917864.1/22

Left: 299.269+/-0.038 χ^2/NDF: 11615492.5/47

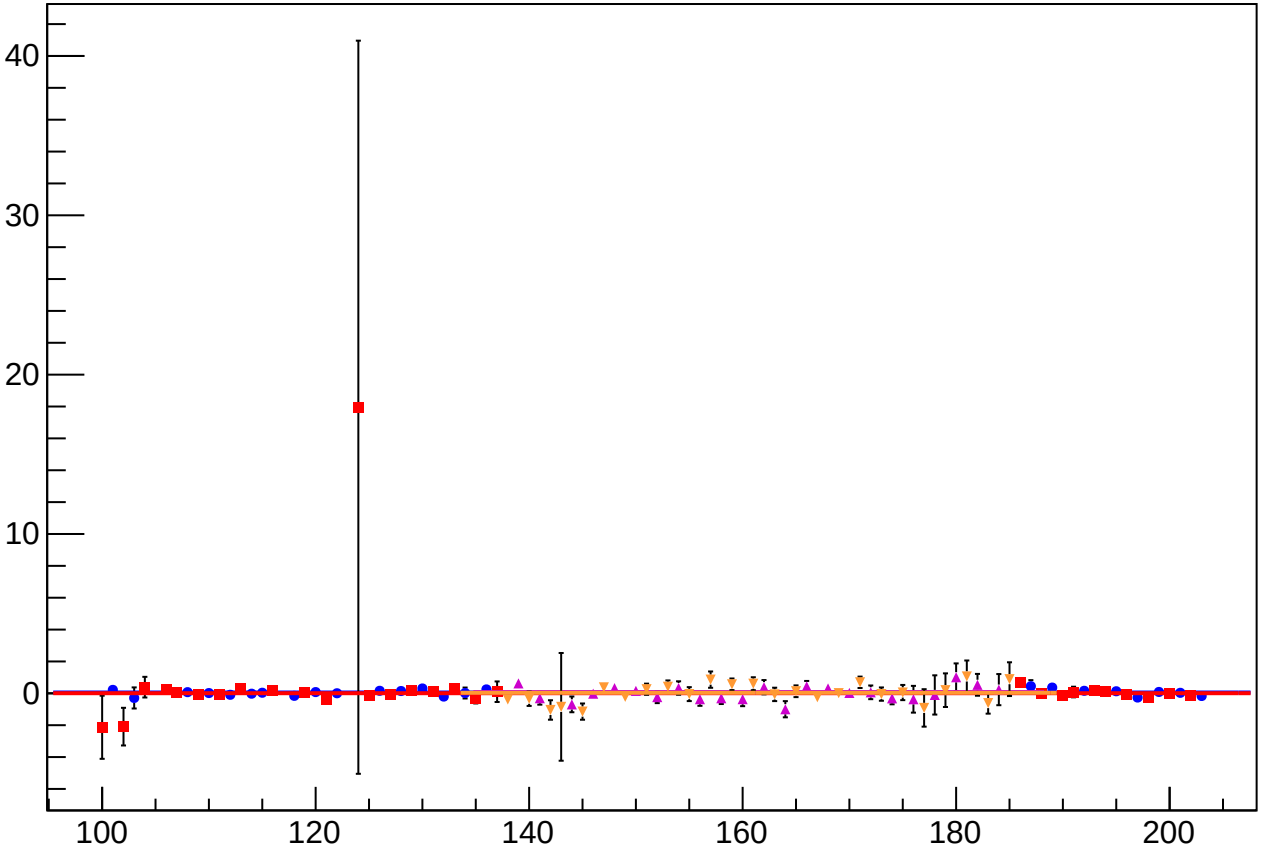
Right: 119.201+/-0.018 χ^2/NDF: 8572789.3/52

In: 161.435+/-0.024 χ^2/NDF:16340628.3/46

Out: 144.437+/-0.022 χ^2/NDF:21765664.8/53

All: 152.162+/-0.016 χ^2/NDF: 38374966.7/10

asym_atl_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.051+/-0.038 χ^2/NDF: 16.8/23

Left Out: 0.036+/-0.077 χ^2/NDF:29.7/24

Right Out: 0.008+/-0.034 χ^2/NDF: 31.2/28

Left In: 0.078+/-0.076 χ^2/NDF:24.1/22

Left: 0.057+/-0.054 χ^2/NDF: 53.9/47

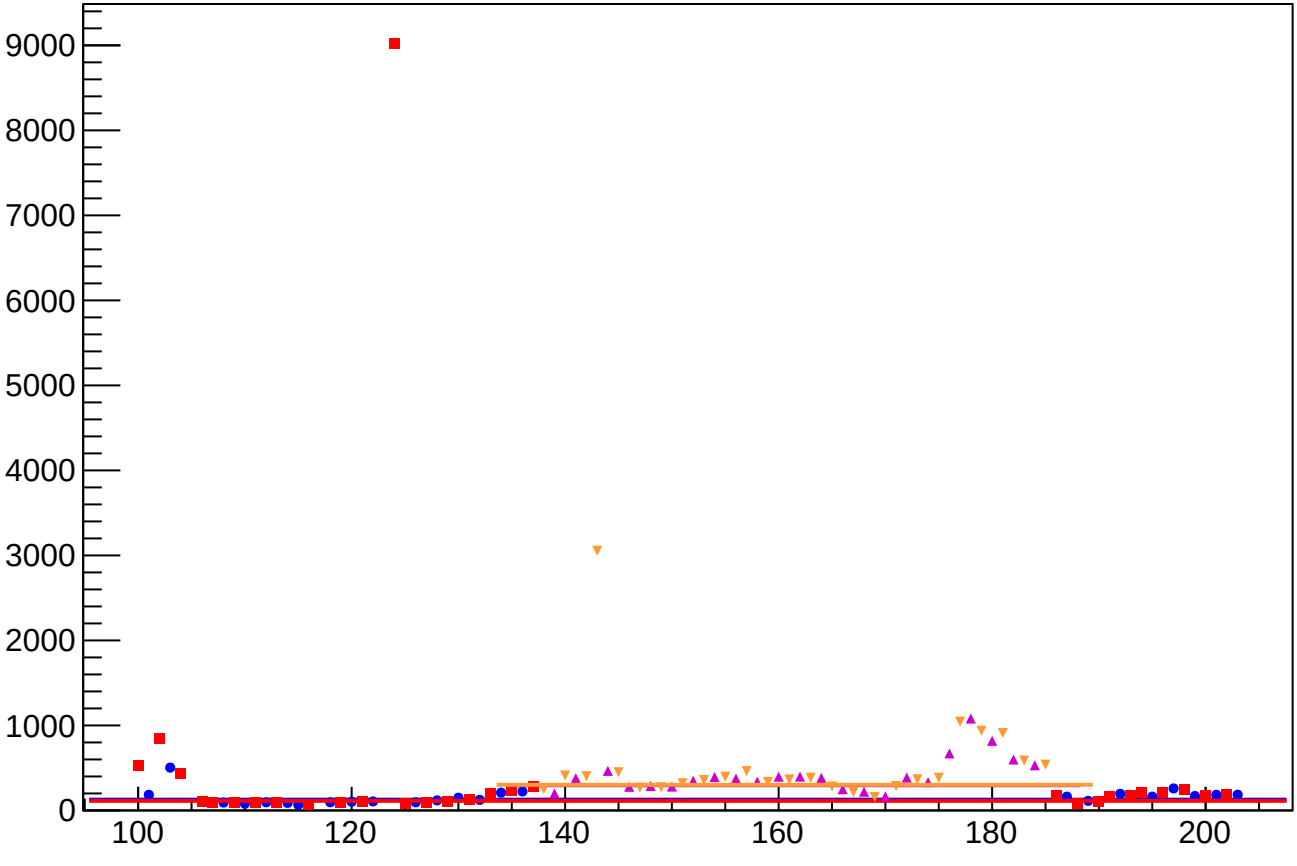
Right: 0.027+/-0.026 χ^2/NDF: 48.7/52

In: 0.057+/-0.034 χ^2/NDF:41.0/46

Out: 0.012+/-0.031 χ^2/NDF:61.0/53

All: 0.033+/-0.023 χ^2/NDF: 102.9/100

asym_atl_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 126.609+/-0.027 χ^2/NDF: 3382231.1/23

Left Out: 301.737+/-0.054 χ^2/NDF:6693577.7/24

Right Out: 113.320+/-0.024 χ^2/NDF: 5057064.6/28

Left In: 296.878+/-0.054 χ^2/NDF:4917864.1/22

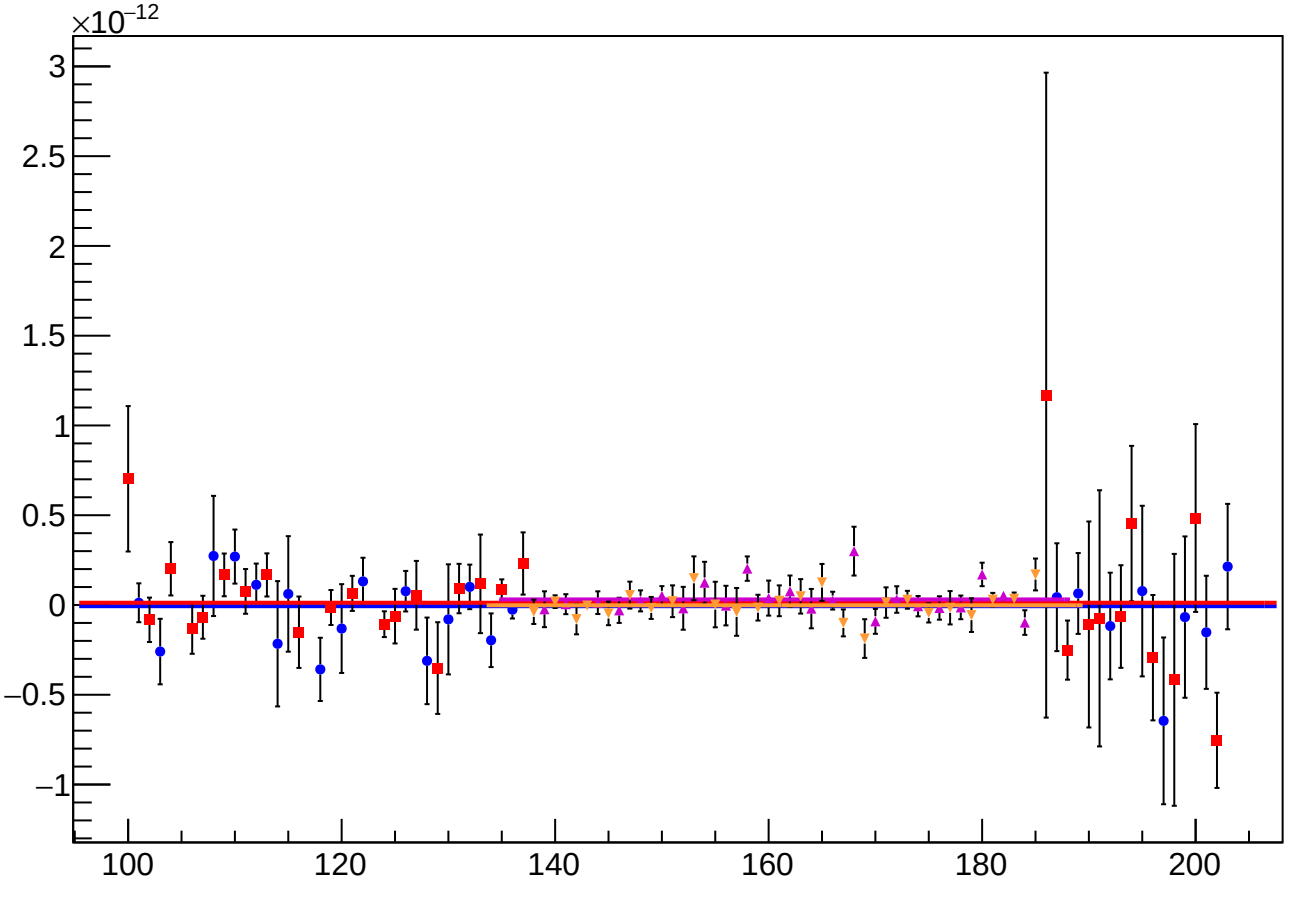
Left: 299.269+/-0.038 χ^2/NDF: 11615492.5/47

Right: 119.201+/-0.018 χ^2/NDF: 8572789.3/52

In: 161.435+/-0.024 χ^2/NDF:16340628.3/46

Out: 144.437+/-0.022 χ^2/NDF:21765664.8/53

All: 152.162+/-0.016 χ^2/NDF: 38374966.7/10



Right In: -0.000+/-0.000 χ^2/NDF: 20.3/23

Left Out: -0.000+/-0.000 χ^2/NDF:17.7/24

Right Out: 0.000+/-0.000 χ^2/NDF: 34.4/28

Left In: 0.000+/-0.000 χ^2/NDF:26.4/22

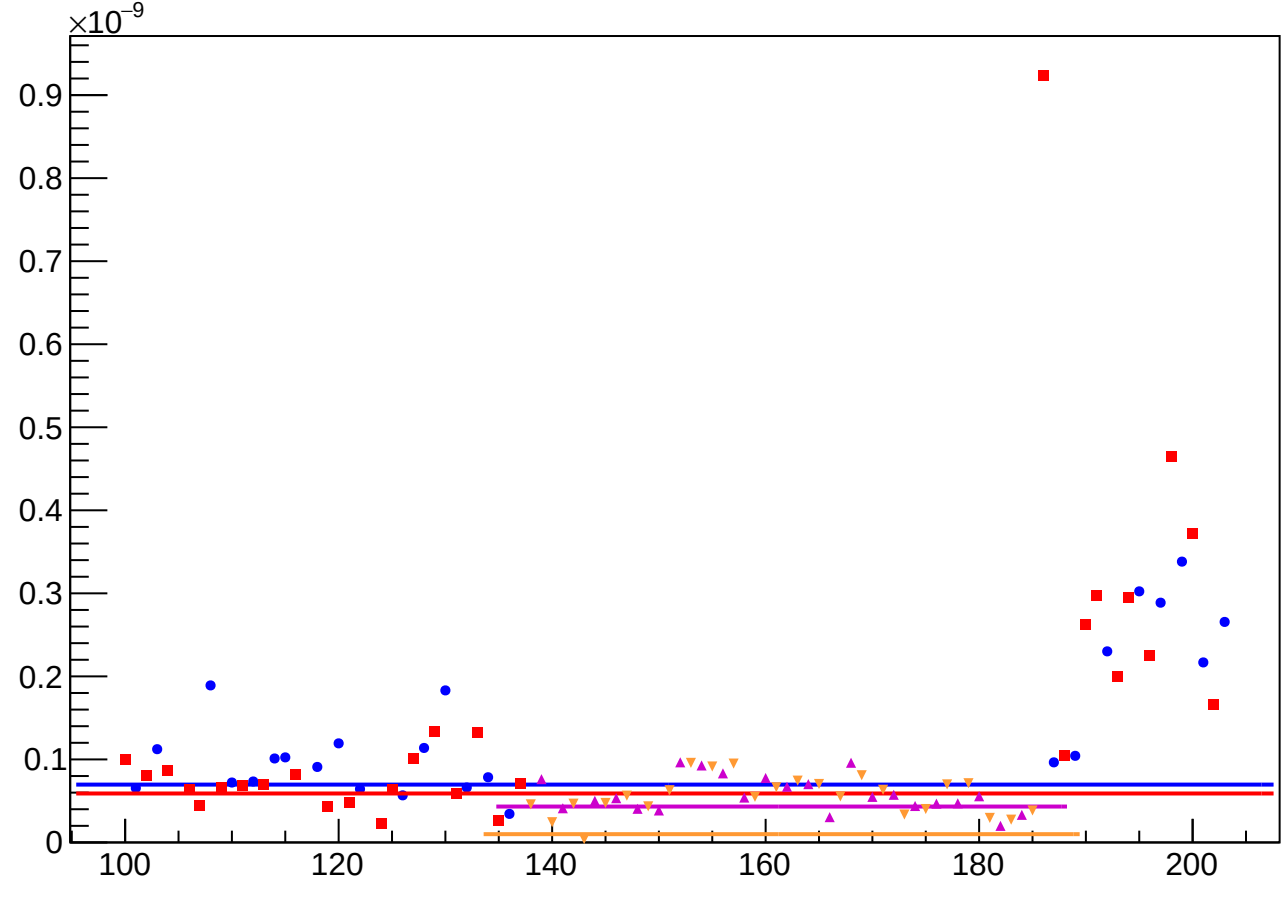
Left: 0.000+/-0.000 χ^2/NDF: 49.3/47

Right: 0.000+/-0.000 χ^2/NDF: 55.0/52

In: 0.000+/-0.000 χ^2/NDF:47.9/46

Out: -0.000+/-0.000 χ^2/NDF:52.4/53

All: 0.000+/-0.000 χ^2/NDF: 104.3/100



Right In: 0.000+/-0.000 χ^2/NDF: 5270601.5/23

Left Out: 0.000+/-0.000 χ^2/NDF:18523402.3/24

Right Out: 0.000+/-0.000 χ^2/NDF: 6179587.3/28

Left In: 0.000+/-0.000 χ^2/NDF:4049081.0/22

Left: 0.000+/-0.000 χ^2/NDF: 33507700.8/47

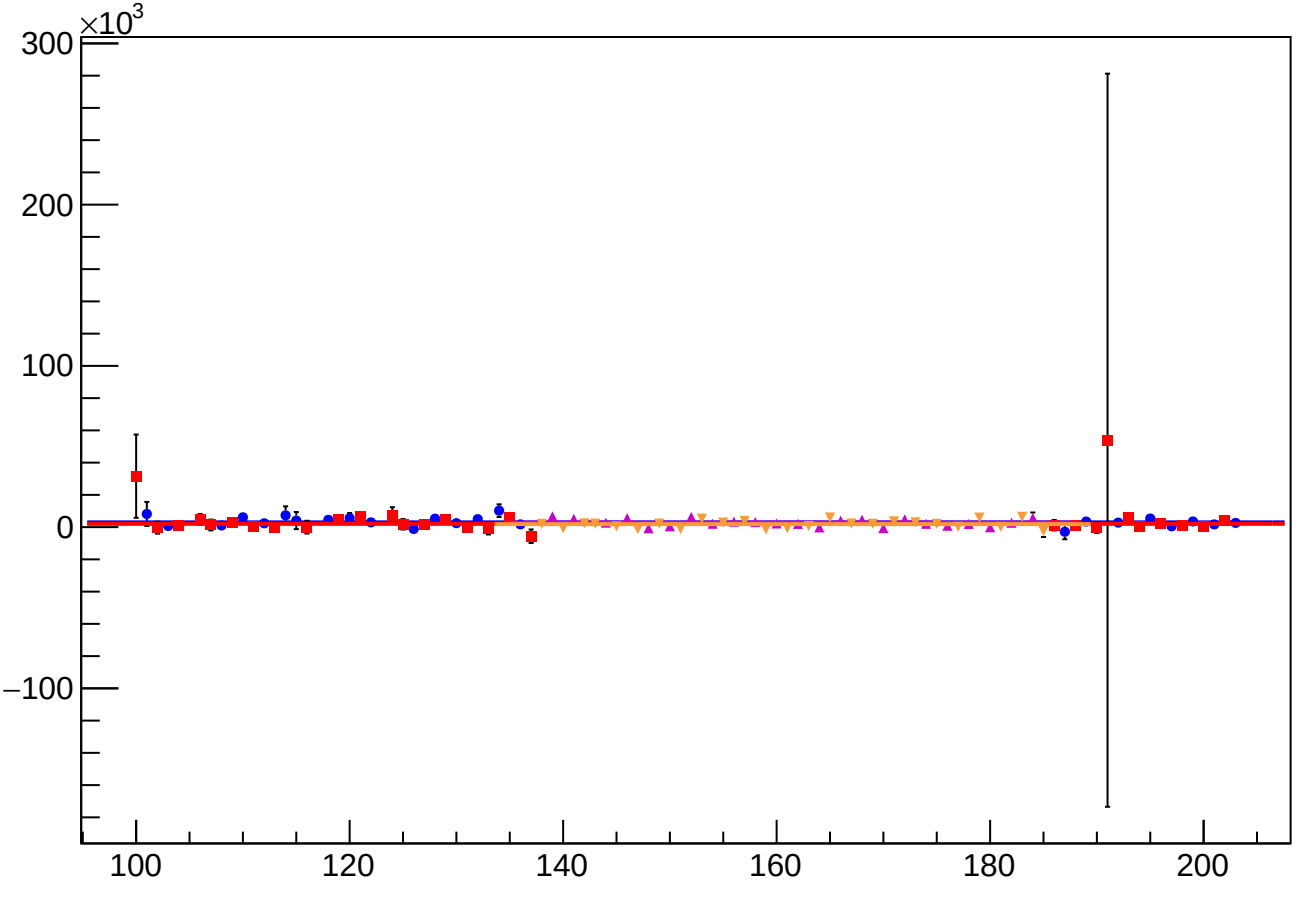
Right: 0.000+/-0.000 χ^2/NDF: 11590465.5/52

In: 0.000+/-0.000 χ^2/NDF:10573955.5/46

Out: 0.000+/-0.000 χ^2/NDF:31354719.8/53

All: 0.000+/-0.000 χ^2/NDF: 56534994.3/100

reg_asym_atr_avg_mean vs Slug, Sign Corrected



Right In: 2951.999+/-543.099 χ^2/NDF: 16.3/23

Left Out: 1851.999+/-420.006 χ^2/NDF:31.5/24

Right Out: 2042.208+/-520.691 χ^2/NDF: 22.4/28

Left In: 2775.769+/-430.870 χ^2/NDF:25.4/22

Left: 2302.092+/-300.757 χ^2/NDF: 59.3/47

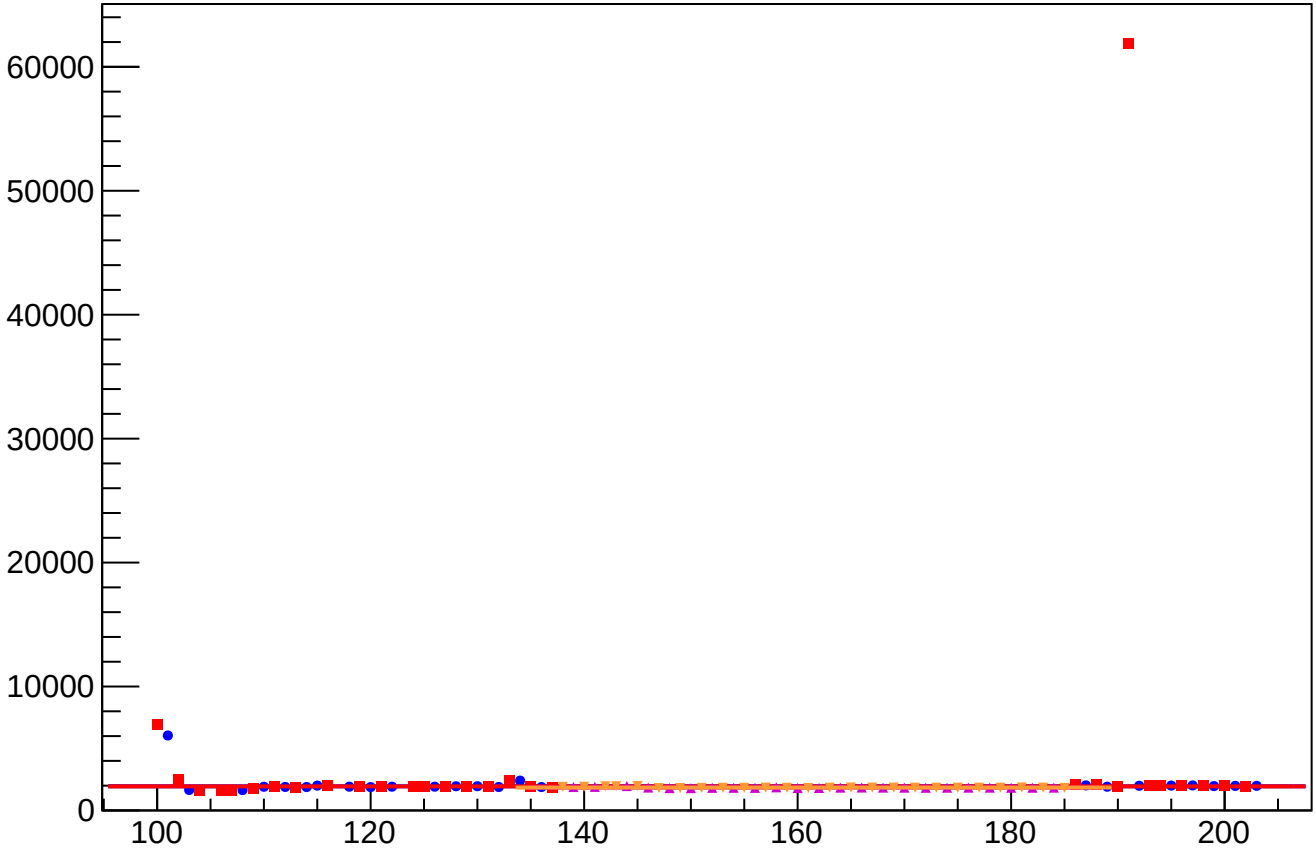
Right: 2477.948+/-375.856 χ^2/NDF: 40.2/52

In: 2843.843+/-337.544 χ^2/NDF:41.8/46

Out: 1926.976+/-326.909 χ^2/NDF:54.0/53

All: 2370.738+/-234.830 χ^2/NDF: 99.6/100

reg_asym_atr_avg_rms vs Slug, Sign Corrected



Right In: 1949.251+/-0.384 χ^2/NDF: 706958.7/23

Left Out: 1848.522+/-0.297 χ^2/NDF:20886.6/24

Right Out: 1943.654+/-0.367 χ^2/NDF: 403716.5/28

Left In: 1845.061+/-0.305 χ^2/NDF:14026.0/22

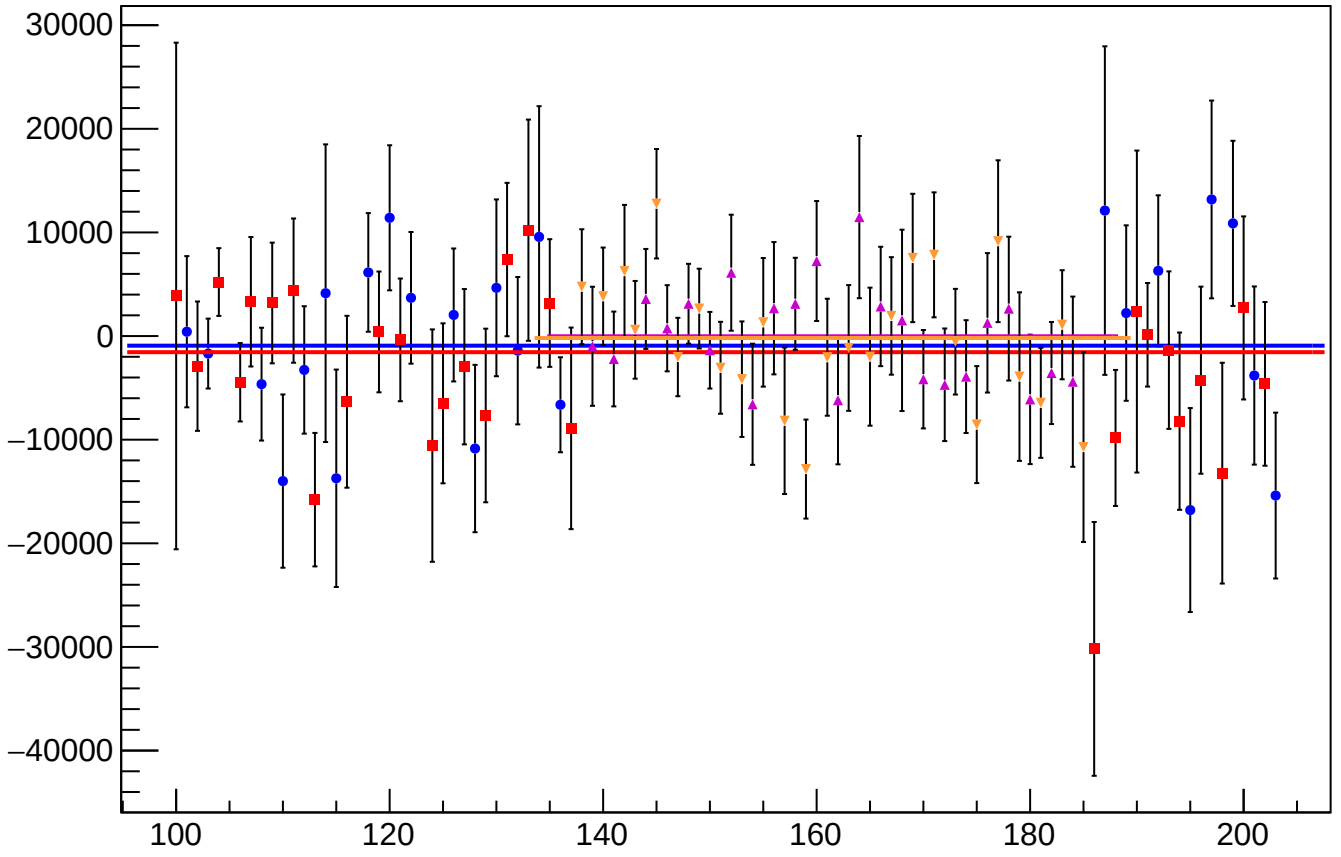
Left: 1846.835+/-0.213 χ^2/NDF: 34978.8/47

Right: 1946.330+/-0.266 χ^2/NDF: 1110786.1/52

In: 1885.308+/-0.239 χ^2/NDF:766159.7/46

Out: 1886.106+/-0.231 χ^2/NDF:465140.0/53

All: 1885.720+/-0.166 χ^2/NDF: 1231305.5/10



Right In: -928.386+/-1413.106 χ^2/NDF: 26.5/23

Left Out: -189.458+/-1088.618 χ^2/NDF:28.9/24

Right Out: -1554.944+/-1251.035 χ^2/NDF: 27.3/28

Left In: -19.391+/-1112.574 χ^2/NDF:13.7/22

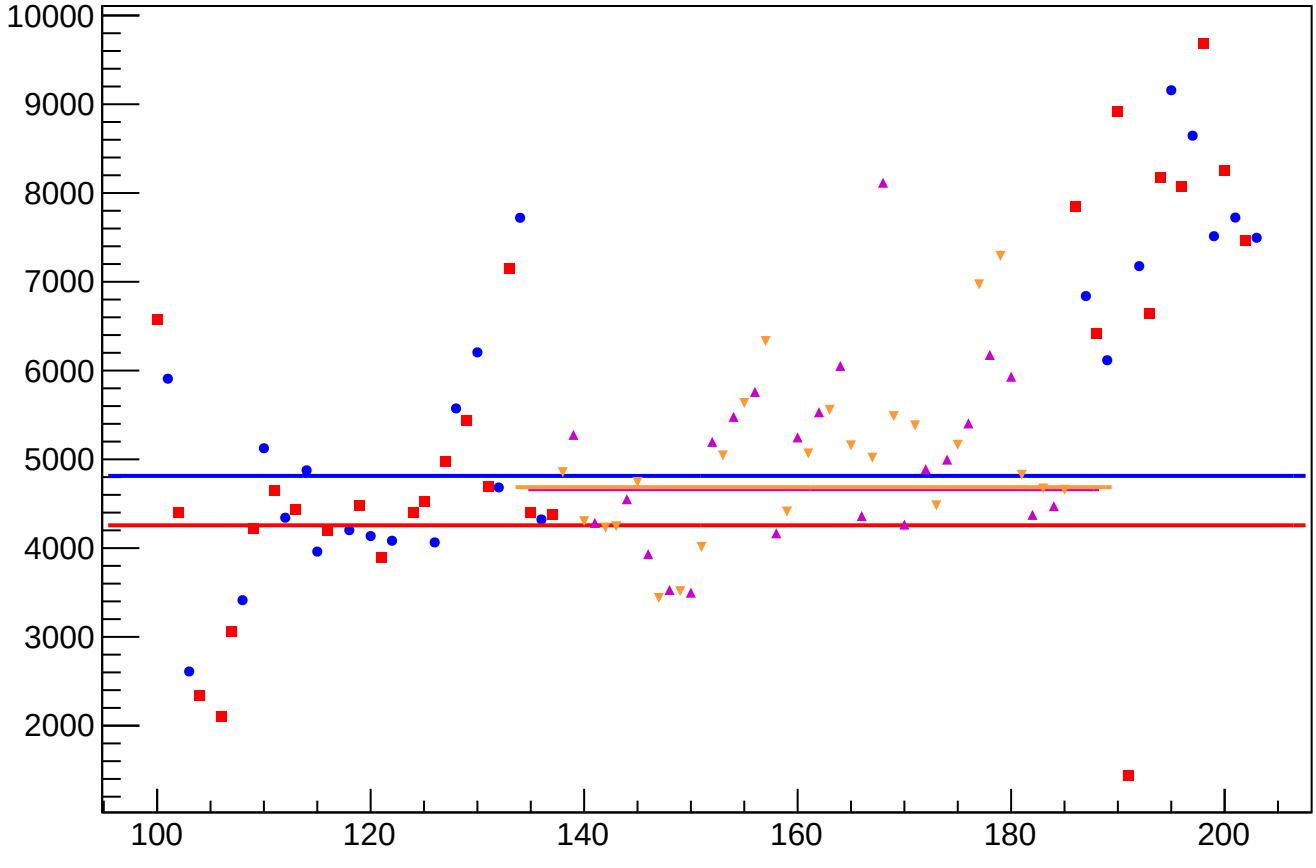
Left: -106.275+/-778.101 χ^2/NDF: 42.7/47

Right: -1279.641+/-936.699 χ^2/NDF: 53.9/52

In: -367.237+/-874.153 χ^2/NDF:40.5/46

Out: -777.865+/-821.230 χ^2/NDF:56.9/53

All: -585.356+/-598.533 χ^2/NDF: 97.5/100



Right In: 4813.536+/-0.999 χ^2/NDF: 3040266.2/23

Left Out: 4686.353+/-0.770 χ^2/NDF:1185063.7/24

Right Out: 4256.913+/-0.885 χ^2/NDF: 5102341.8/28

Left In: 4663.272+/-0.787 χ^2/NDF:1286726.4/22

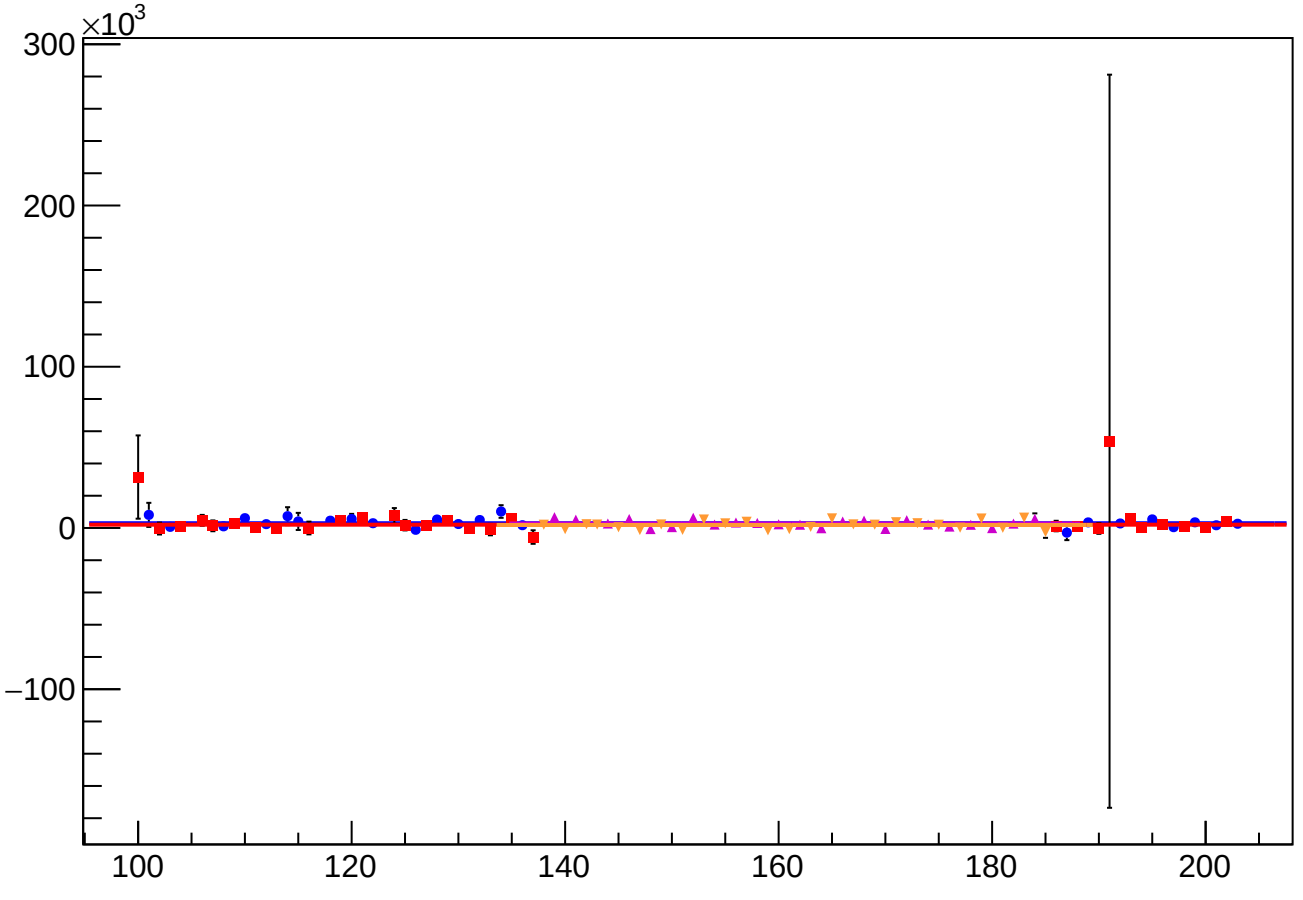
Left: 4675.064+/-0.550 χ^2/NDF: 2472229.8/47

Right: 4501.487+/-0.662 χ^2/NDF: 8316574.2/52

In: 4720.774+/-0.618 χ^2/NDF:4340953.3/46

Out: 4501.301+/-0.581 χ^2/NDF:6421520.2/53

All: 4604.193+/-0.423 χ^2/NDF: 10829440.9/1



Right In: 2951.706+/-543.099 χ^2/NDF: 16.3/23

Left Out: 1851.888+/-420.006 χ^2/NDF:31.5/24

Right Out: 2042.773+/-520.693 χ^2/NDF: 22.4/28

Left In: 2775.745+/-430.870 χ^2/NDF:25.4/22

Left: 2302.023+/-300.757 χ^2/NDF: 59.3/47

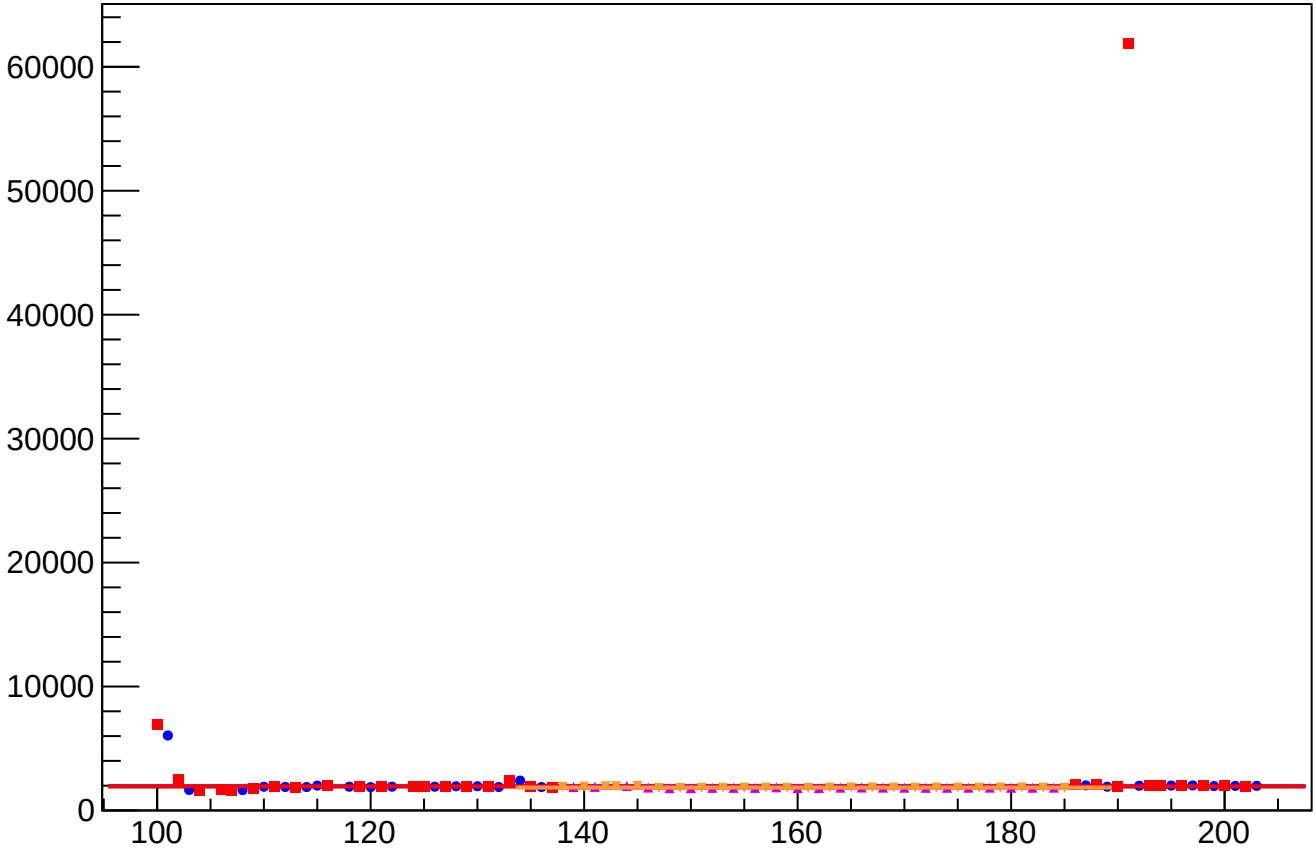
Right: 2478.103+/-375.857 χ^2/NDF: 40.2/52

In: 2843.716+/-337.544 χ^2/NDF:41.8/46

Out: 1927.131+/-326.910 χ^2/NDF:54.0/53

All: 2370.757+/-234.830 χ^2/NDF: 99.6/100

cor_asym_atr_avg_rms vs Slug, Sign Corrected



Right In: 1949.252+/-0.384 χ^2/NDF: 706957.8/23

Left Out: 1848.522+/-0.297 χ^2/NDF:20886.6/24

Right Out: 1945.903+/-0.368 χ^2/NDF: 395553.2/28

Left In: 1845.061+/-0.305 χ^2/NDF:14026.0/22

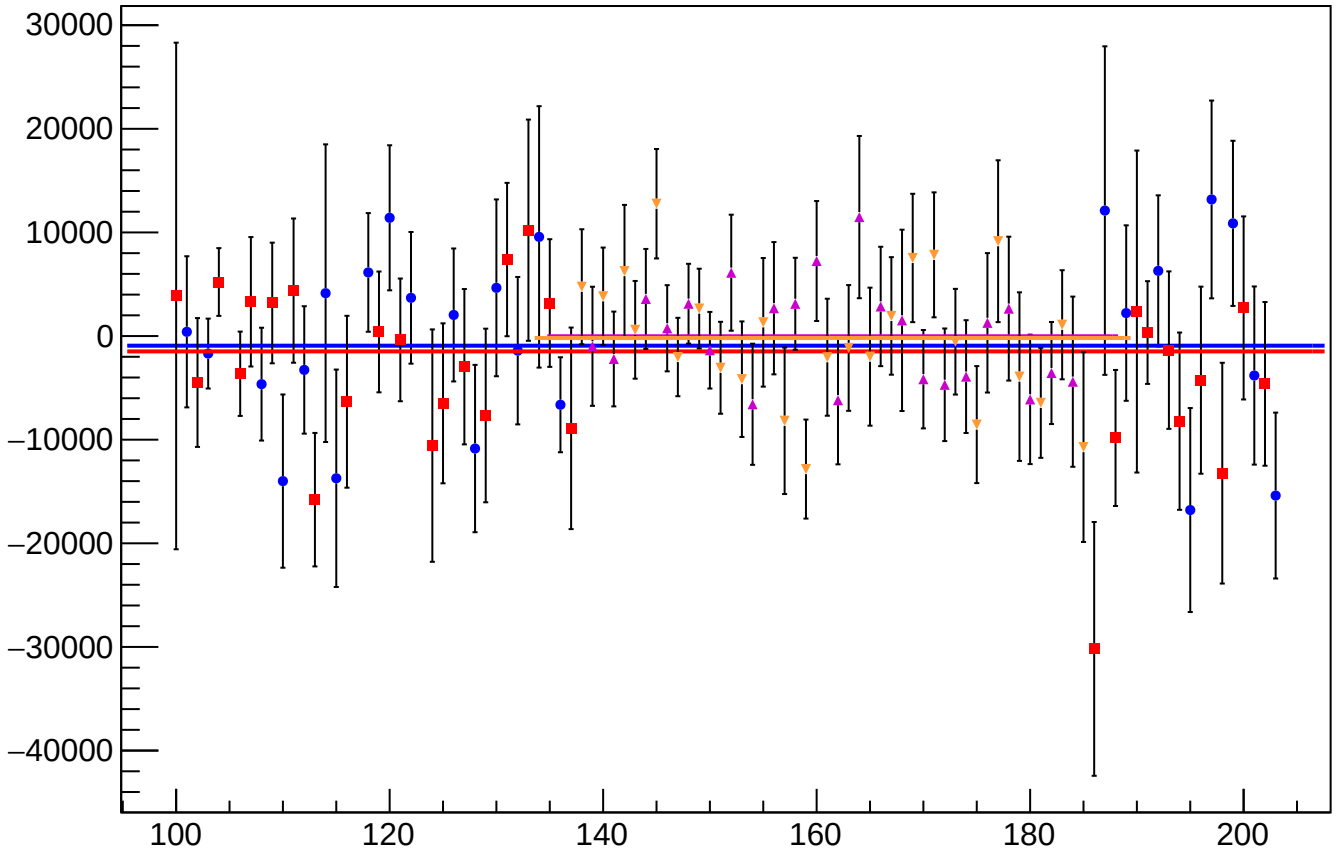
Left: 1846.835+/-0.213 χ^2/NDF: 34978.8/47

Right: 1947.505+/-0.266 χ^2/NDF: 1102550.6/52

In: 1885.308+/-0.239 χ^2/NDF:766158.9/46

Out: 1886.947+/-0.231 χ^2/NDF:458863.4/53

All: 1886.154+/-0.166 χ^2/NDF: 1225046.6/10



Right In: -928.628+/-1413.108 χ^2/NDF: 26.5/23

Left Out: -189.487+/-1088.617 χ^2/NDF:28.9/24

Right Out: -1481.458+/-1259.608 χ^2/NDF: 27.2/28

Left In: -19.431+/-1112.574 χ^2/NDF:13.7/22

Left: -106.310+/-778.100 χ^2/NDF: 42.7/47

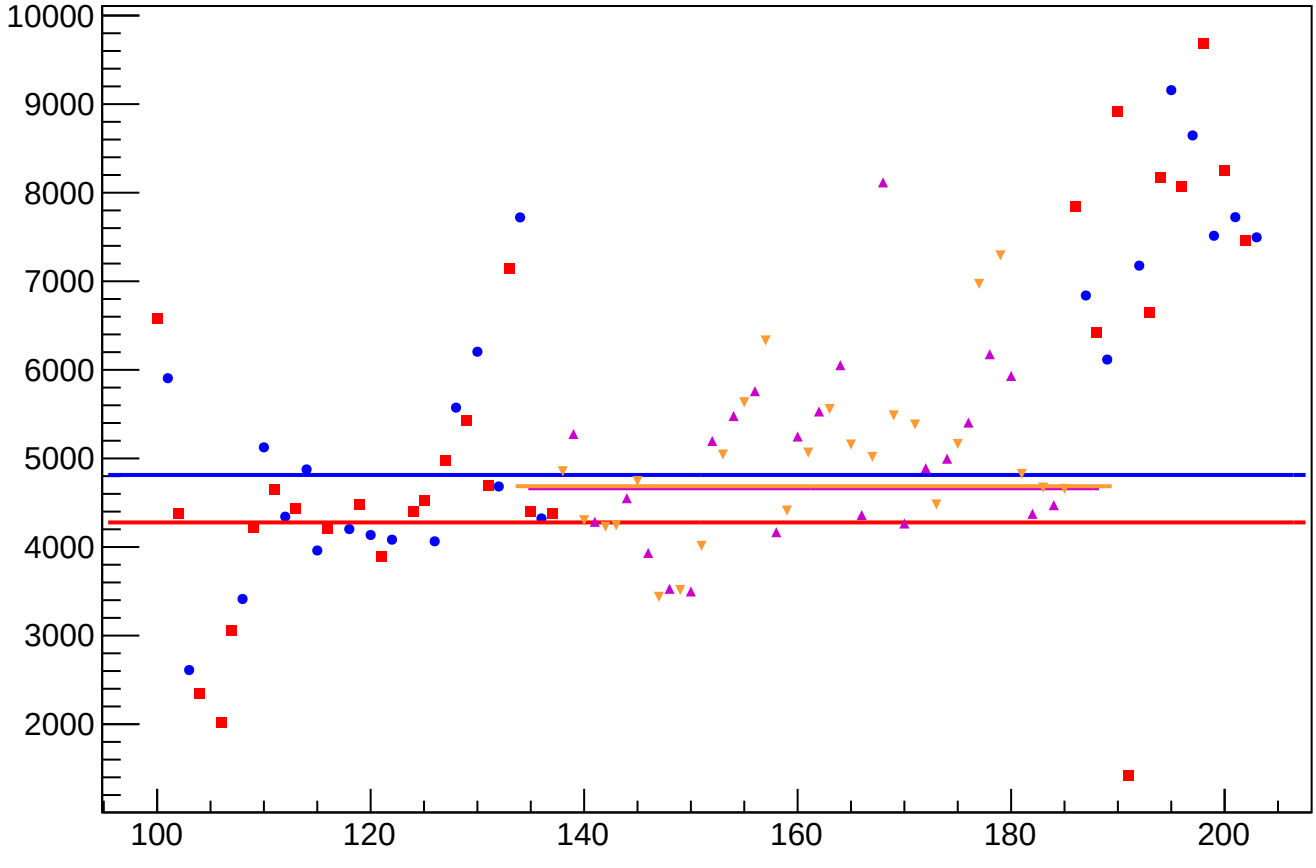
Right: -1236.689+/-940.282 χ^2/NDF: 53.7/52

In: -367.353+/-874.153 χ^2/NDF:40.5/46

Out: -741.891+/-823.640 χ^2/NDF:56.7/53

All: -565.756+/-599.464 χ^2/NDF: 97.3/100

asym_atr_avg_cor_correction_rms vs Slug, Sign Corrected



Right In: 4813.612+/-0.999 χ^2/NDF: 3039664.8/23

Left Out: 4686.346+/-0.770 χ^2/NDF:1185089.0/24

Right Out: 4277.643+/-0.891 χ^2/NDF: 5070148.0/28

Left In: 4663.273+/-0.787 χ^2/NDF:1286722.8/22

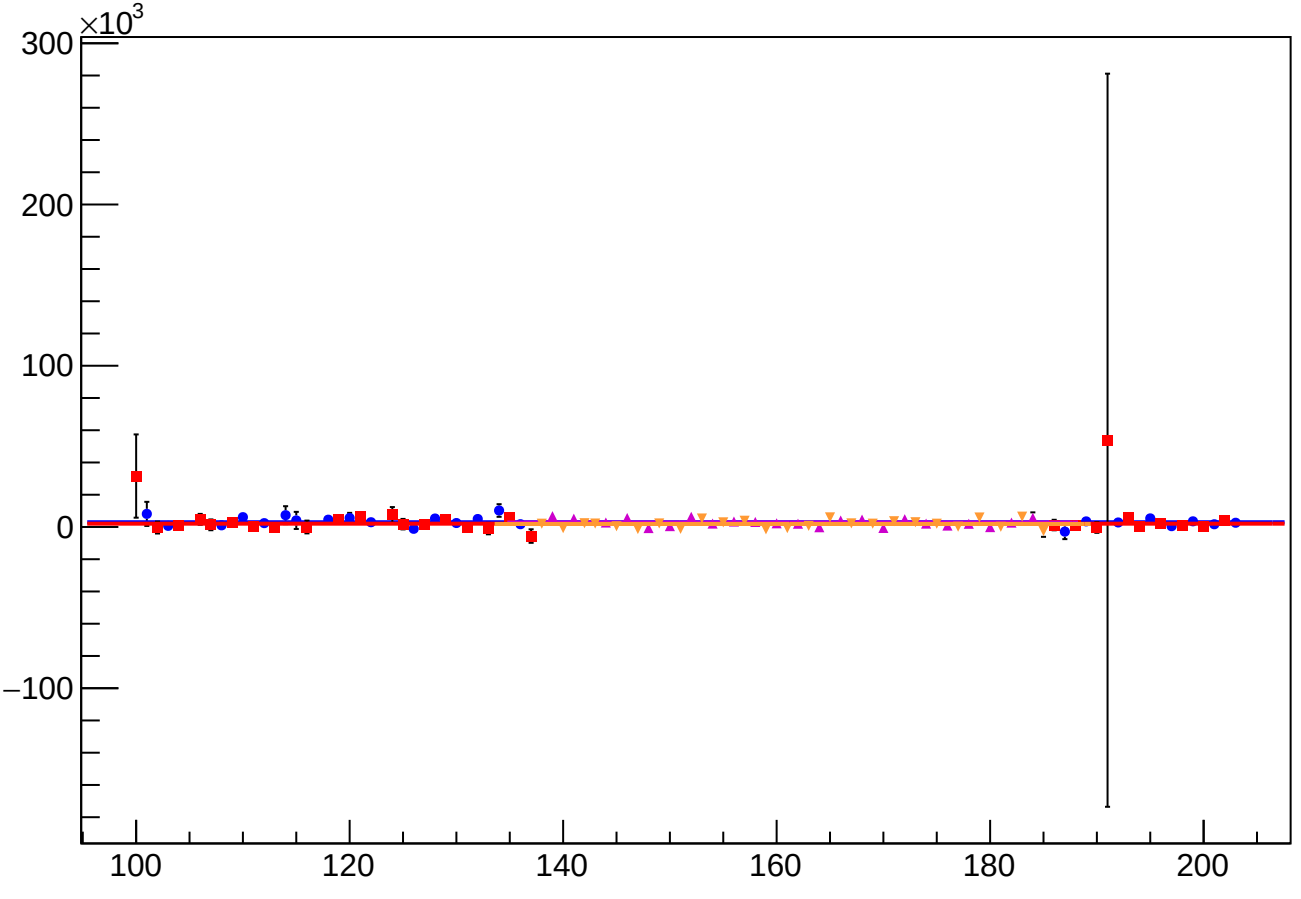
Left: 4675.061+/-0.550 χ^2/NDF: 2472251.2/47

Right: 4514.946+/-0.665 χ^2/NDF: 8270138.6/52

In: 4720.803+/-0.618 χ^2/NDF:4340362.0/46

Out: 4511.598+/-0.582 χ^2/NDF:6375768.5/53

All: 4609.981+/-0.424 χ^2/NDF: 10776811.6/1



Right In: 2951.706+/-543.099 χ^2/NDF: 16.3/23

Left Out: 1851.888+/-420.006 χ^2/NDF:31.5/24

Right Out: 2042.773+/-520.693 χ^2/NDF: 22.4/28

Left In: 2775.745+/-430.870 χ^2/NDF:25.4/22

Left: 2302.023+/-300.757 χ^2/NDF: 59.3/47

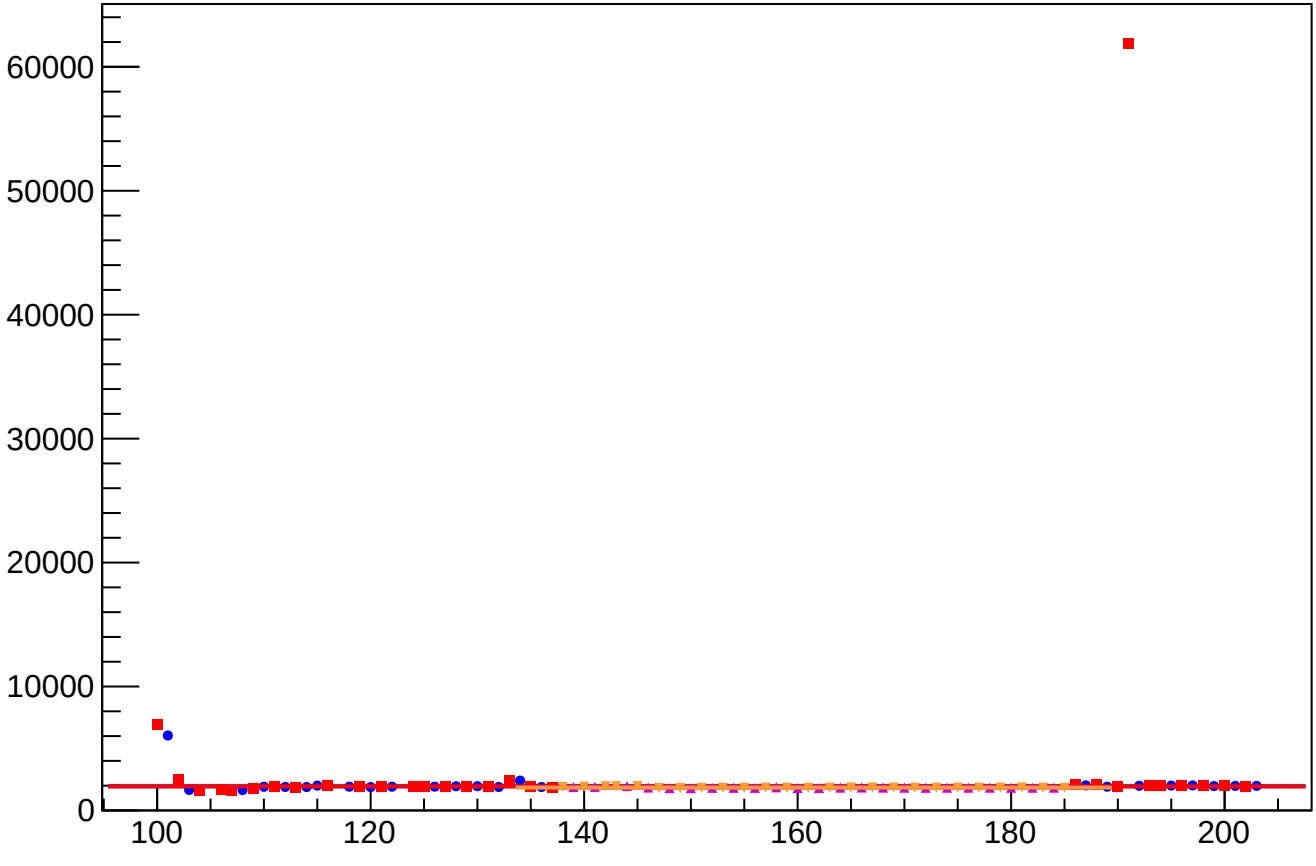
Right: 2478.103+/-375.857 χ^2/NDF: 40.2/52

In: 2843.716+/-337.544 χ^2/NDF:41.8/46

Out: 1927.131+/-326.910 χ^2/NDF:54.0/53

All: 2370.757+/-234.830 χ^2/NDF: 99.6/100

eigen_cor_asym_atr_avg_rms vs Slug, Sign Corrected



Right In: 1949.252+/-0.384 χ^2/NDF: 706957.8/23

Left Out: 1848.522+/-0.297 χ^2/NDF:20886.6/24

Right Out: 1945.903+/-0.368 χ^2/NDF: 395553.2/28

Left In: 1845.061+/-0.305 χ^2/NDF:14026.0/22

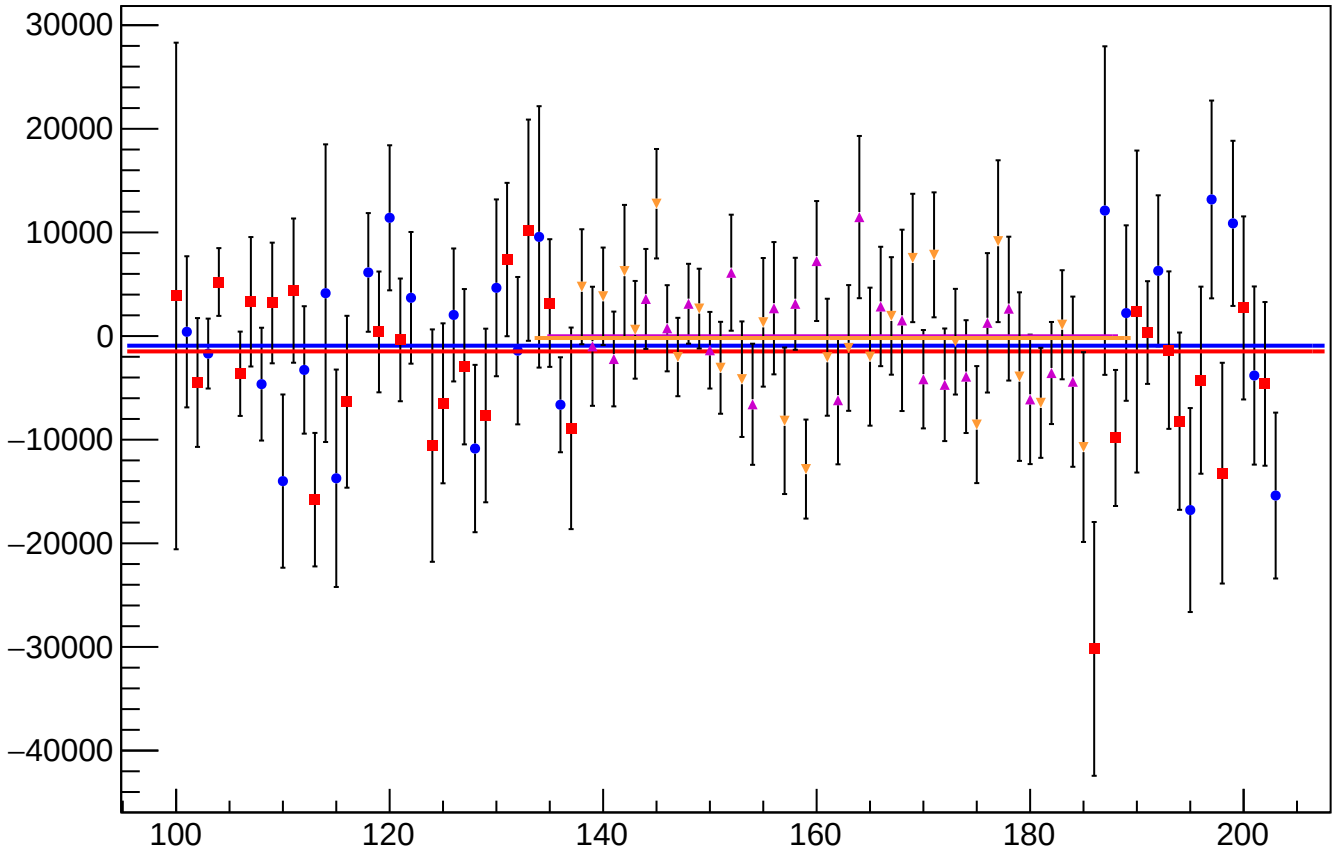
Left: 1846.835+/-0.213 χ^2/NDF: 34978.8/47

Right: 1947.505+/-0.266 χ^2/NDF: 1102550.6/52

In: 1885.308+/-0.239 χ^2/NDF:766158.9/46

Out: 1886.947+/-0.231 χ^2/NDF:458863.4/53

All: 1886.154+/-0.166 χ^2/NDF: 1225046.6/10



Right In: -928.628+/-1413.108 χ^2/NDF: 26.5/23

Left Out: -189.487+/-1088.617 χ^2/NDF:28.9/24

Right Out: -1481.458+/-1259.608 χ^2/NDF: 27.2/28

Left In: -19.431+/-1112.574 χ^2/NDF:13.7/22

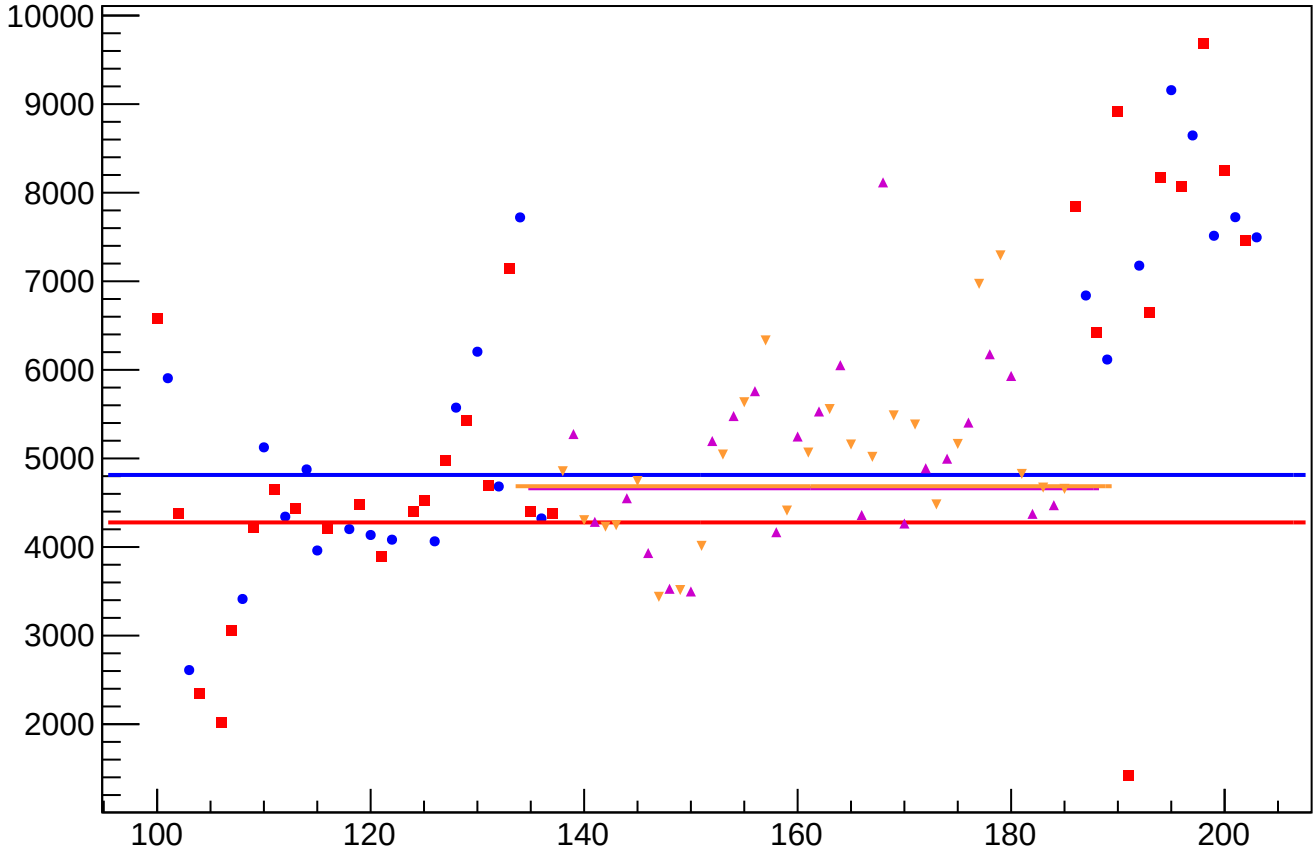
Left: -106.310+/-778.100 χ^2/NDF: 42.7/47

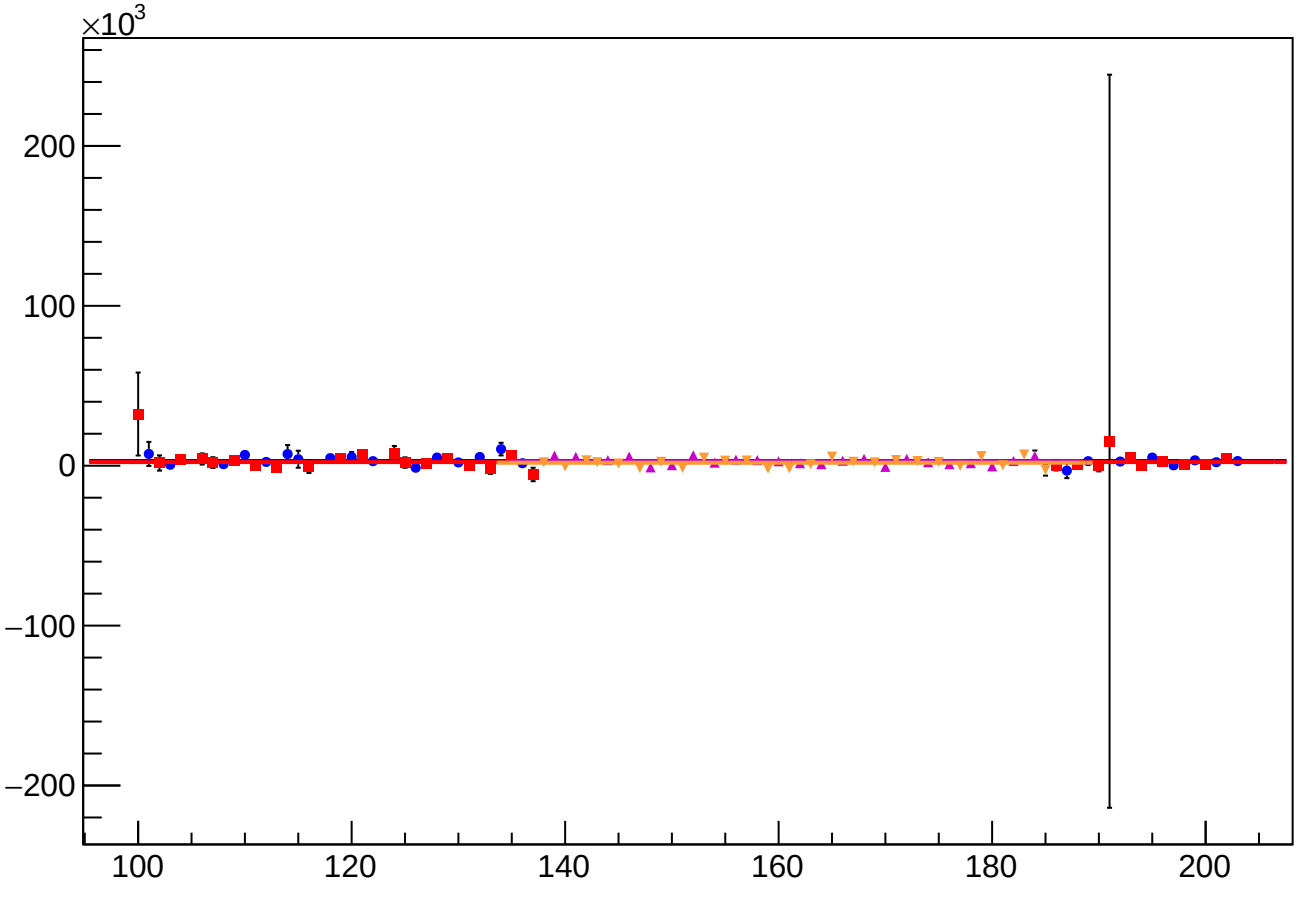
Right: -1236.689+/-940.282 χ^2/NDF: 53.7/52

In: -367.353+/-874.153 χ^2/NDF:40.5/46

Out: -741.891+/-823.640 χ^2/NDF:56.7/53

All: -565.756+/-599.464 χ^2/NDF: 97.3/100


asym_atr_avg_eigen_cor_correction_rms vs Slug, Sign Corrected
10000
9000
8000
7000
6000
5000
4000
3000
2000
100
120
140
160
180
200
Right In: 4813.612+/-0.999 χ²/NDF: 3039664.8/23
Left Out: 4686.346+/-0.770 χ²/NDF:1185089.0/24
Right Out: 4277.643+/-0.891 χ²/NDF: 5070148.0/28
Left In: 4663.273+/-0.787 χ²/NDF:1286722.8/22
Left: 4675.061+/-0.550 χ²/NDF: 2472251.2/47
Right: 4514.946+/-0.665 χ²/NDF: 8270138.6/52
In: 4720.803+/-0.618 χ²/NDF:4340362.0/46
Out: 4511.598+/-0.582 χ²/NDF:6375768.5/53
All: 4609.981+/-0.424 χ²/NDF: 10776811.6/



Right In: 2969.064+/-555.776 χ^2/NDF: 16.5/23

Left Out: 1880.927+/-428.980 χ^2/NDF:32.9/24

Right Out: 2273.671+/-533.573 χ^2/NDF: 23.3/28

Left In: 2798.435+/-439.234 χ^2/NDF:25.4/22

Left: 2328.846+/-306.896 χ^2/NDF: 60.6/47

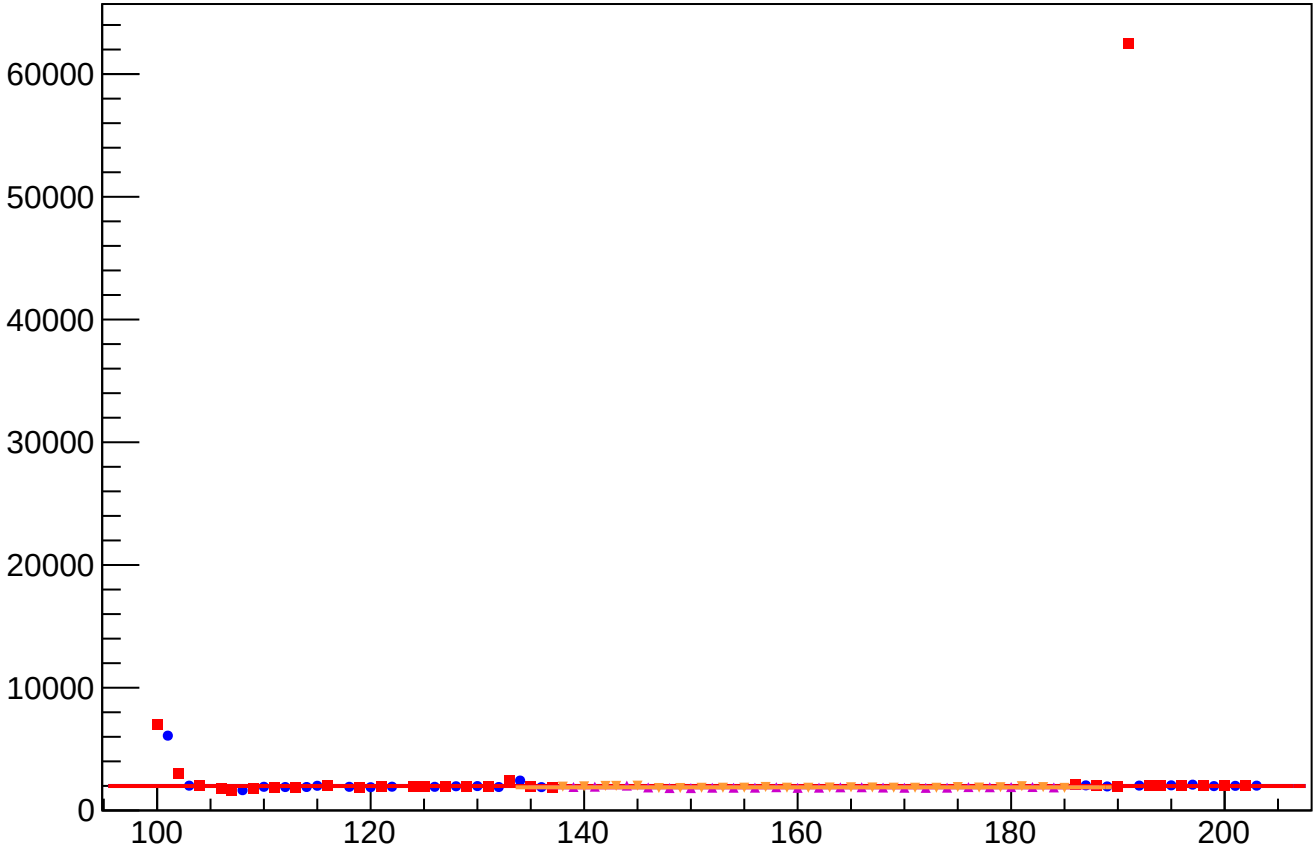
Right: 2607.200+/-384.903 χ^2/NDF: 40.6/52

In: 2864.035+/-344.608 χ^2/NDF:42.0/46

Out: 2035.121+/-334.328 χ^2/NDF:56.6/53

All: 2437.030+/-239.957 χ^2/NDF: 101.6/100

dit_asym_atr_avg_rms vs Slug, Sign Corrected



Right In: 1995.784+/-0.393 χ^2/NDF: 673552.7/23

Left Out: 1887.545+/-0.303 χ^2/NDF:31955.7/24

Right Out: 1989.649+/-0.377 χ^2/NDF: 417391.8/28

Left In: 1880.575+/-0.311 χ^2/NDF:19037.6/22

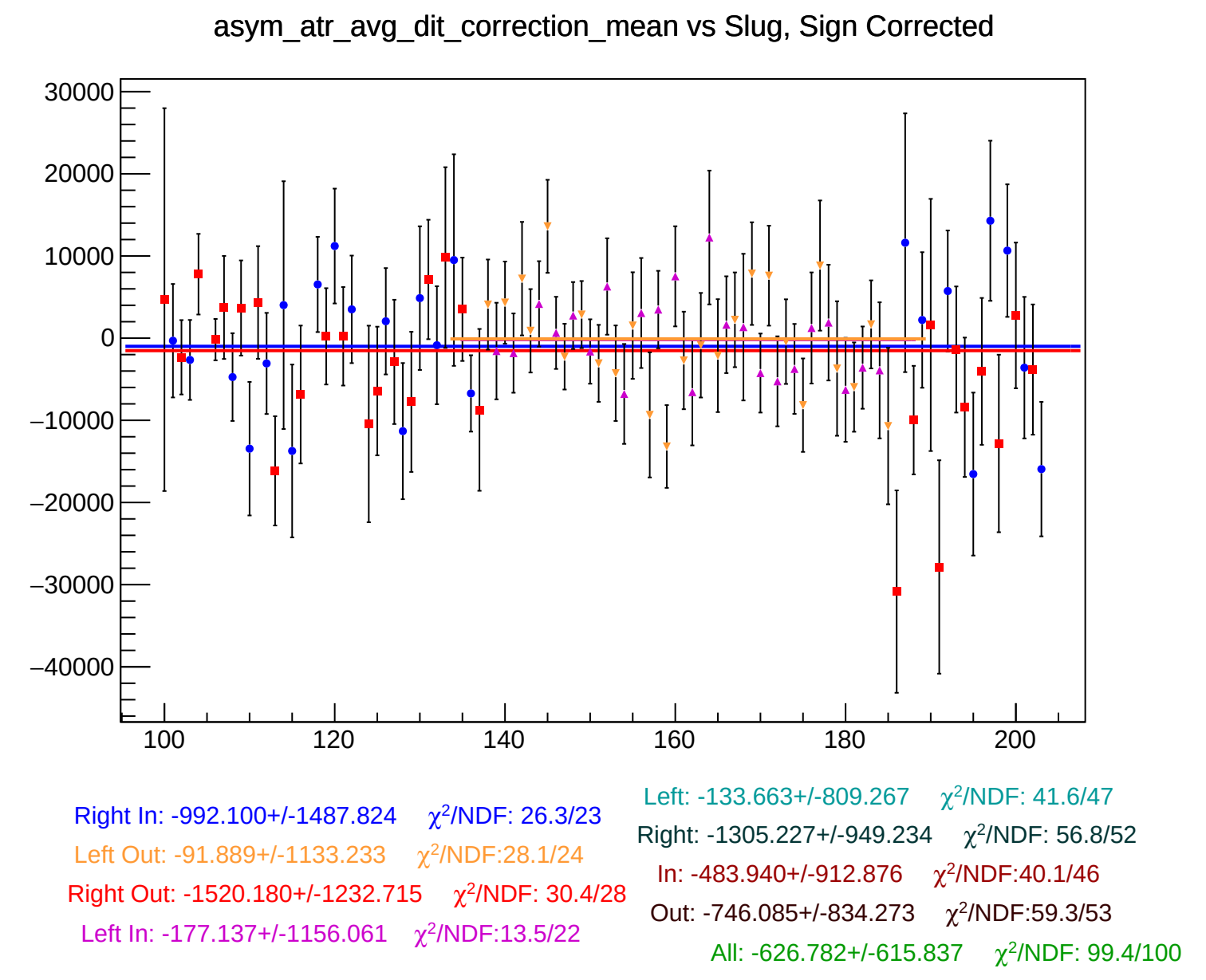
Left: 1884.142+/-0.217 χ^2/NDF: 51251.1/47

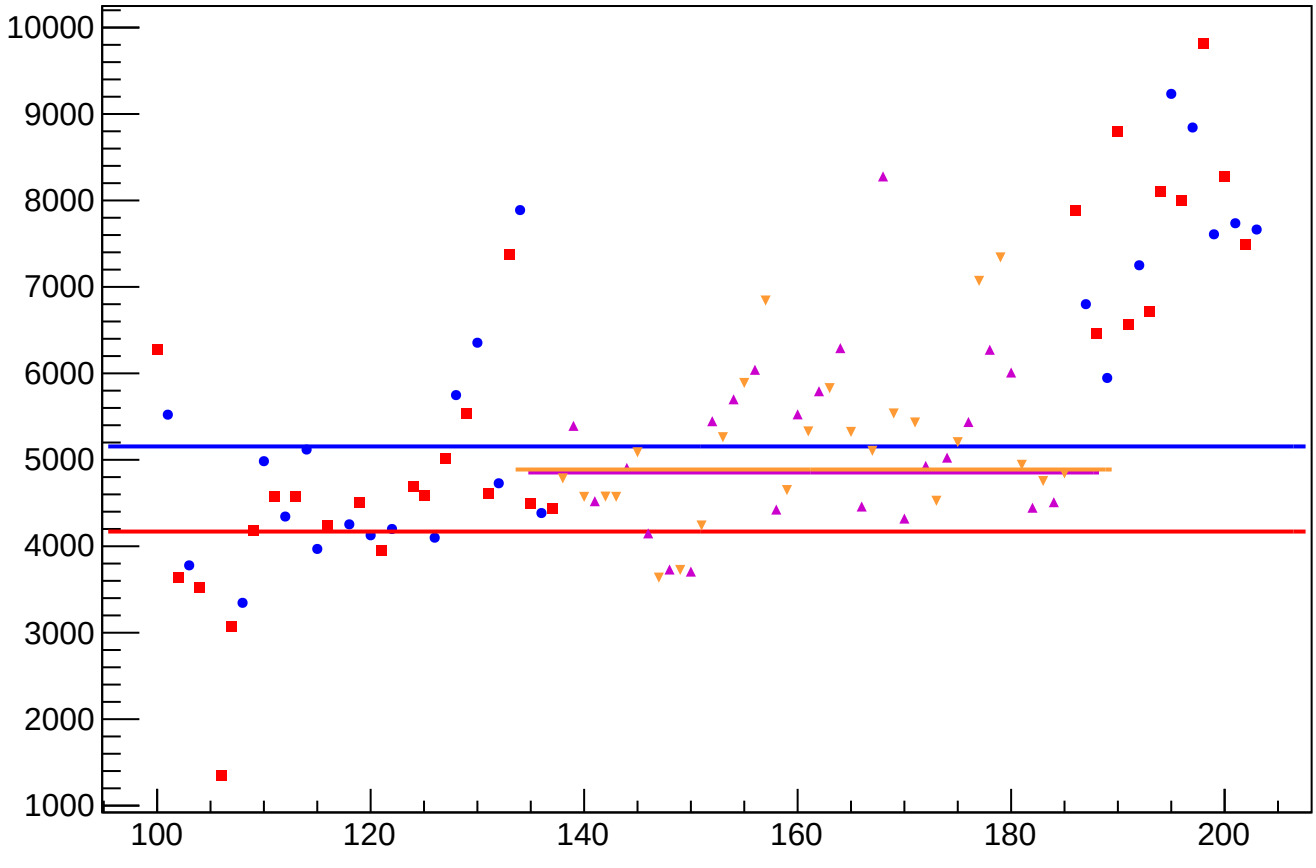
Right: 1992.590+/-0.272 χ^2/NDF: 1091071.4/52

In: 1924.868+/-0.244 χ^2/NDF:745491.3/46

Out: 1927.654+/-0.236 χ^2/NDF:493855.4/53

All: 1926.304+/-0.170 χ^2/NDF: 1239414.1/10


asym_atr_avg_dit_correction_mean vs Slug, Sign Corrected
30000
20000
10000
0
−10000
−20000
−30000
−40000
100
120
140
160
180
200
Right In: -992.100+/-1487.824 χ²/NDF: 26.3/23
Left Out: -91.889+/-1133.233 χ²/NDF:28.1/24
Right Out: -1520.180+/-1232.715 χ²/NDF: 30.4/28
Left In: -177.137+/-1156.061 χ²/NDF:13.5/22
Left: -133.663+/-809.267 χ²/NDF: 41.6/47
Right: -1305.227+/-949.234 χ²/NDF: 56.8/52
In: -483.940+/-912.876 χ²/NDF:40.1/46
Out: -746.085+/-834.273 χ²/NDF:59.3/53
All: -626.782+/-615.837 χ²/NDF: 99.4/100



Right In: 5154.647+/-1.052 χ^2/NDF: 2223388.2/23

Left Out: 4887.823+/-0.801 χ^2/NDF:1063298.6/24

Right Out: 4170.219+/-0.872 χ^2/NDF: 5970867.4/28

Left In: 4853.363+/-0.817 χ^2/NDF:1178636.9/22

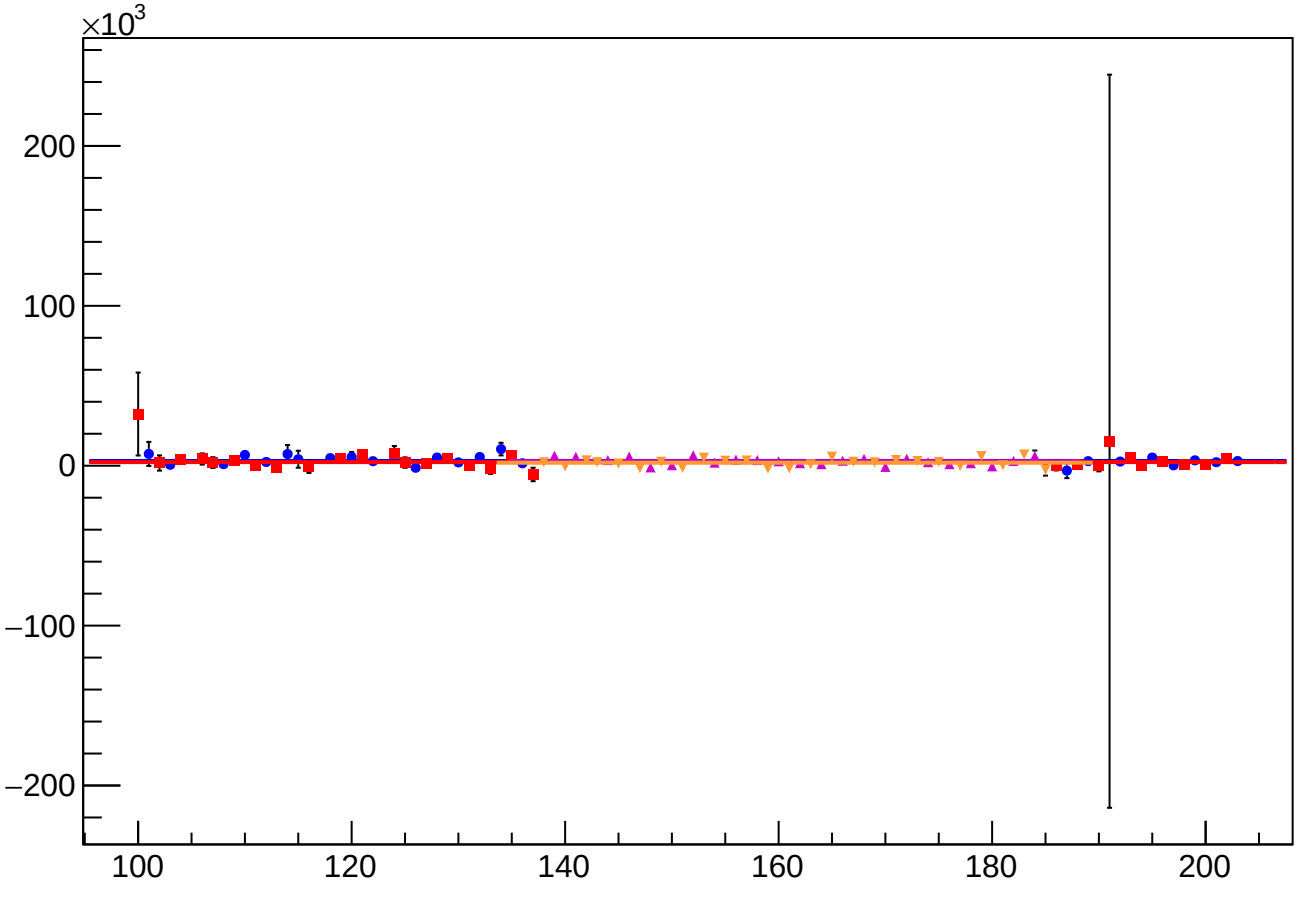
Left: 4870.937+/-0.572 χ^2/NDF: 2242841.7/47

Right: 4570.926+/-0.671 χ^2/NDF: 8713433.1/52

In: 4966.785+/-0.646 χ^2/NDF:3453162.7/46

Out: 4559.141+/-0.590 χ^2/NDF:7401492.2/53

All: 4744.660+/-0.435 χ^2/NDF: 11071967.0/1



Right In: 2969.064+/-555.776 χ^2/NDF: 16.5/23

Left Out: 1880.922+/-428.981 χ^2/NDF:32.9/24

Right Out: 2273.672+/-533.573 χ^2/NDF: 23.3/28

Left In: 2798.435+/-439.234 χ^2/NDF:25.4/22

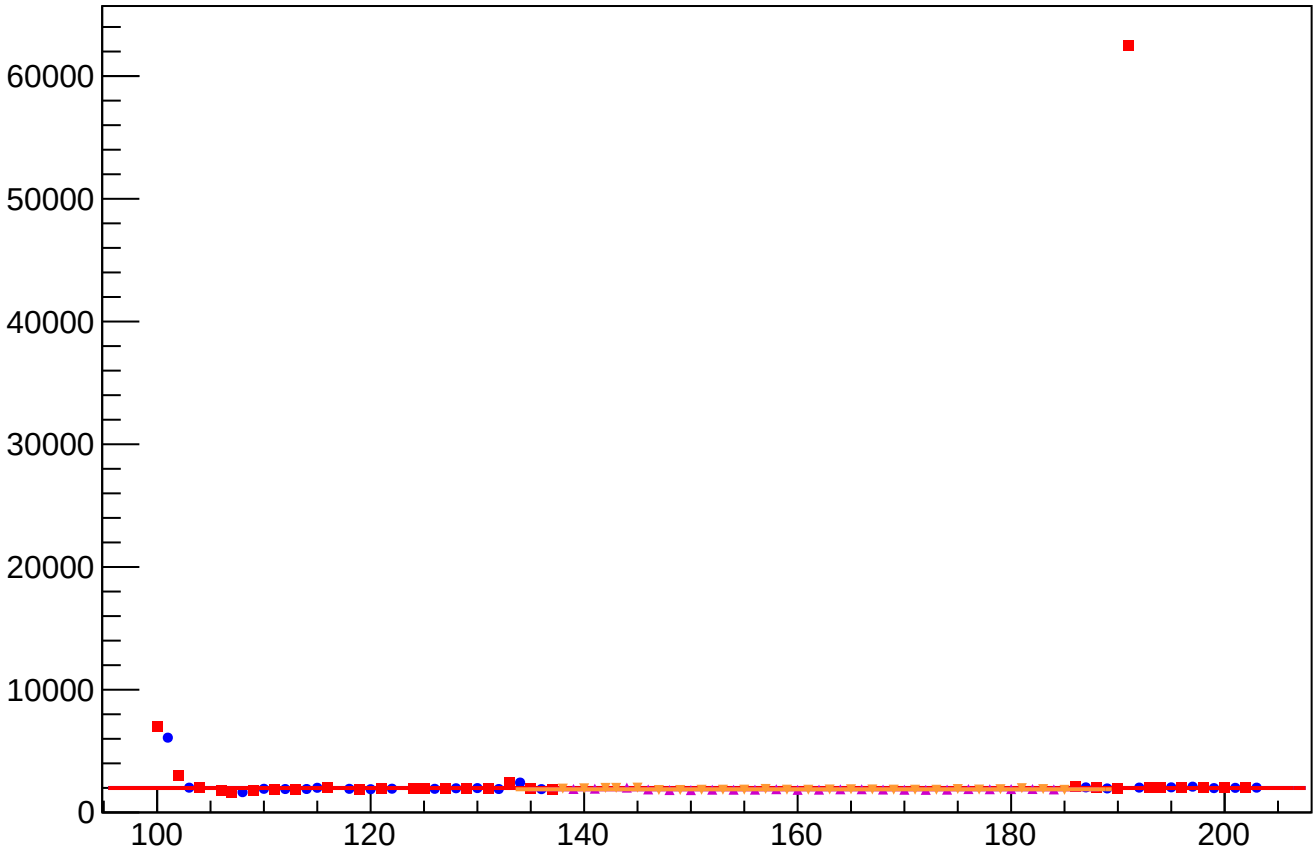
Left: 2328.844+/-306.896 χ^2/NDF: 60.6/47

Right: 2607.201+/-384.903 χ^2/NDF: 40.6/52

In: 2864.035+/-344.608 χ^2/NDF:42.0/46

Out: 2035.118+/-334.328 χ^2/NDF:56.6/53

All: 2437.029+/-239.957 χ^2/NDF: 101.6/100



Right In: 1995.784+/-0.393 χ^2/NDF: 673552.8/23

Left Out: 1887.546+/-0.303 χ^2/NDF:31955.8/24

Right Out: 1989.648+/-0.377 χ^2/NDF: 417391.3/28

Left In: 1880.576+/-0.311 χ^2/NDF:19037.6/22

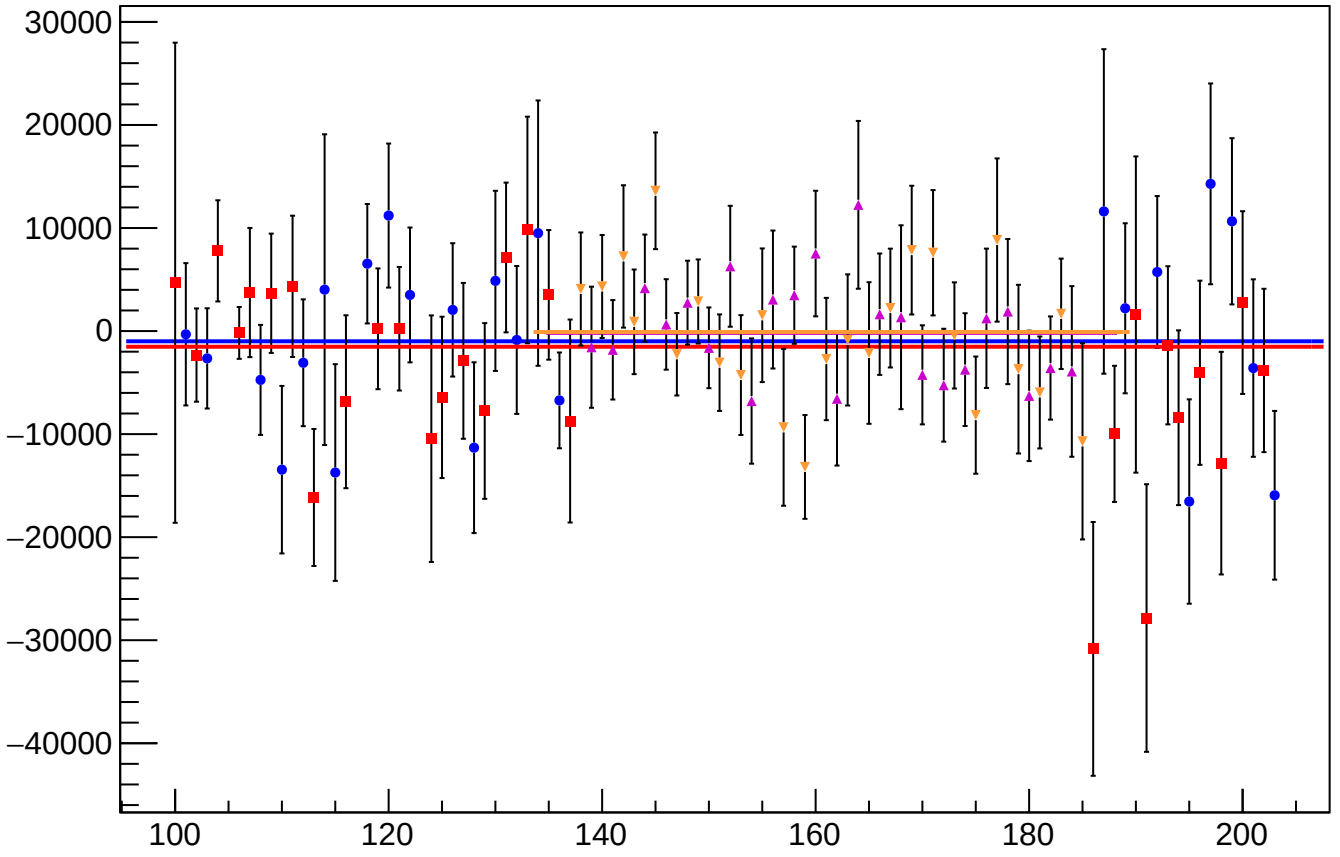
Left: 1884.143+/-0.217 χ^2/NDF: 51251.1/47

Right: 1992.590+/-0.272 χ^2/NDF: 1091071.0/52

In: 1924.869+/-0.244 χ^2/NDF:745490.6/46

Out: 1927.654+/-0.236 χ^2/NDF:493854.4/53

All: 1926.304+/-0.170 χ^2/NDF: 1239412.3/10



Right In: -992.087+/-1487.822 χ^2/NDF: 26.3/23

Left Out: -91.892+/-1133.235 χ^2/NDF:28.1/24

Right Out: -1520.176+/-1232.713 χ^2/NDF: 30.4/28

Left In: -177.140+/-1156.062 χ^2/NDF:13.5/22

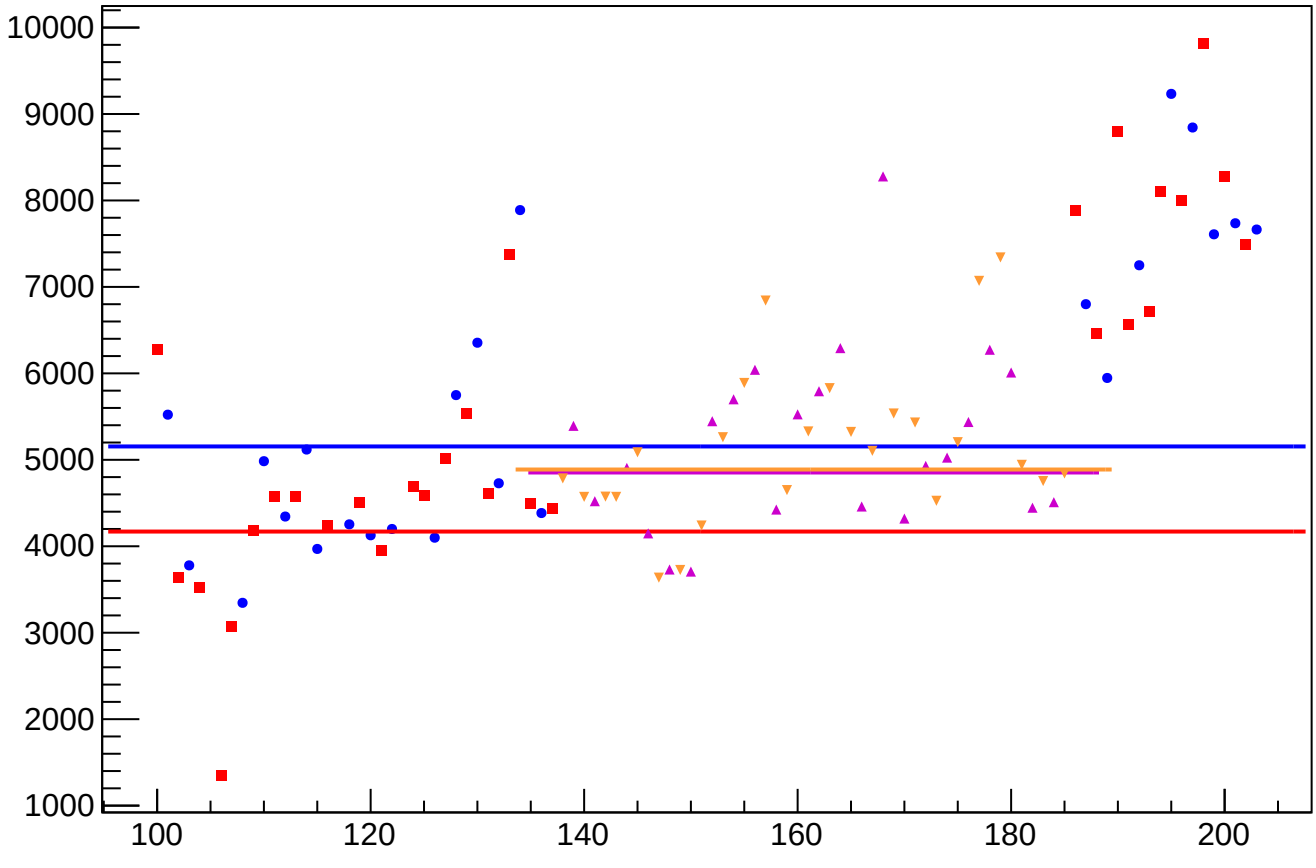
Left: -133.666+/-809.268 χ^2/NDF: 41.6/47

Right: -1305.219+/-949.233 χ^2/NDF: 56.8/52

In: -483.937+/-912.877 χ^2/NDF:40.1/46

Out: -746.087+/-834.273 χ^2/NDF:59.3/53

All: -626.782+/-615.838 χ^2/NDF: 99.4/100



Right In: 5154.640+/-1.052 χ^2/NDF: 2223402.8/23

Left Out: 4887.830+/-0.801 χ^2/NDF:1063300.0/24

Right Out: 4170.209+/-0.872 χ^2/NDF: 5970894.9/28

Left In: 4853.371+/-0.817 χ^2/NDF:1178639.4/22

Left: 4870.944+/-0.572 χ^2/NDF: 2242845.7/47

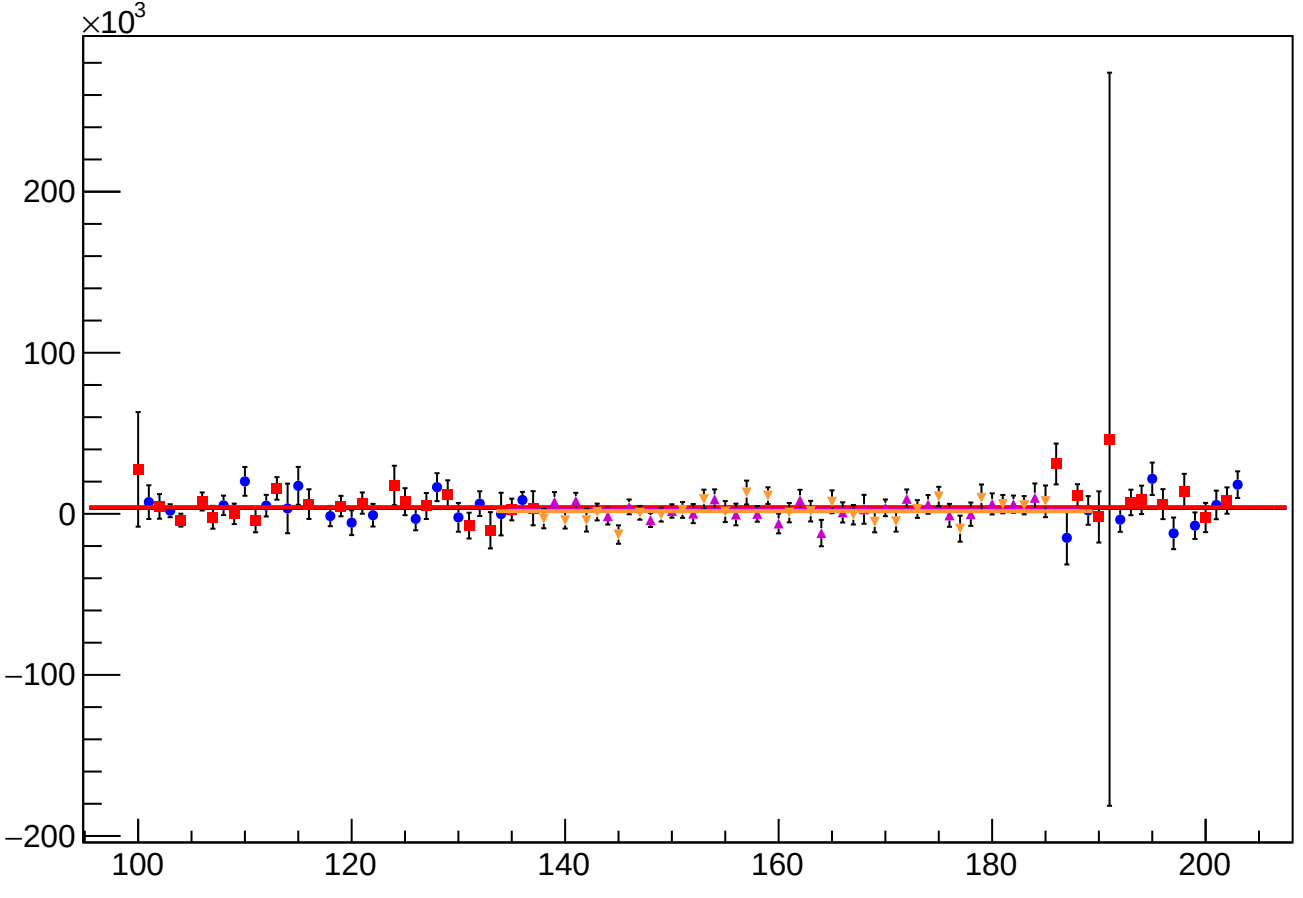
Right: 4570.918+/-0.671 χ^2/NDF: 8713479.6/52

In: 4966.787+/-0.646 χ^2/NDF:3453175.2/46

Out: 4559.140+/-0.590 χ^2/NDF:7401538.7/53

All: 4744.661+/-0.435 χ^2/NDF: 11072029.9/1

asym_atr_avg_mean vs Slug, Sign Corrected



Right In: 3635.864+/-1560.028 χ^2/NDF: 25.3/23

Left Out: 1654.615+/-1178.652 χ^2/NDF:26.0/24

Right Out: 4164.592+/-1466.826 χ^2/NDF: 23.9/28

Left In: 2563.603+/-1204.450 χ^2/NDF:16.0/22

Left: 2099.270+/-842.406 χ^2/NDF: 42.2/47

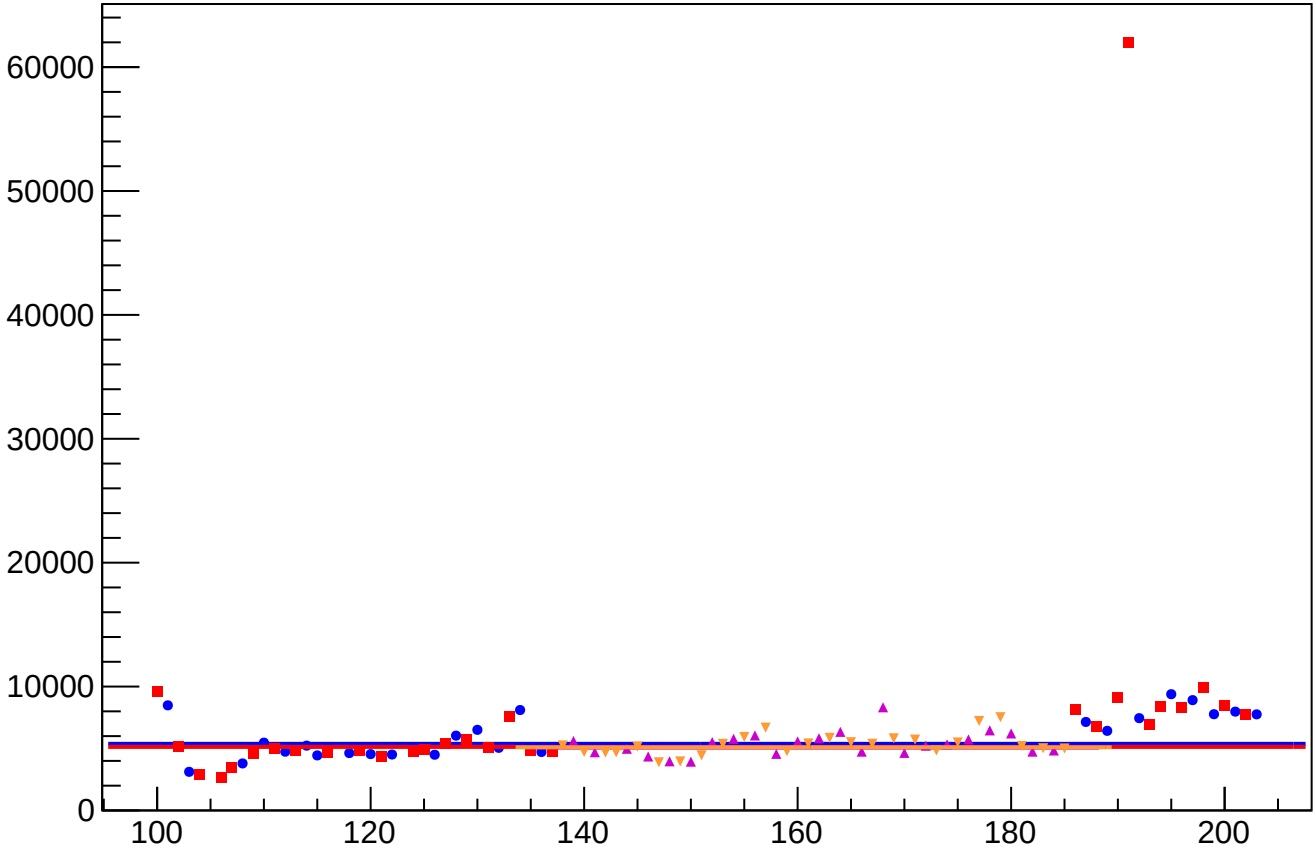
Right: 3916.493+/-1068.633 χ^2/NDF: 49.2/52

In: 2964.060+/-953.367 χ^2/NDF:41.5/46

Out: 2639.396+/-918.784 χ^2/NDF:51.6/53

All: 2795.733+/-661.567 χ^2/NDF: 93.2/100

asym_atr_avg_rms vs Slug, Sign Corrected



Right In: 5376.351+/-1.103 χ^2/NDF: 2532566.1/23

Left Out: 5100.641+/-0.833 χ^2/NDF:909330.5/24

Right Out: 5129.433+/-1.030 χ^2/NDF: 3364191.6/28

Left In: 5073.543+/-0.852 χ^2/NDF:991915.5/22

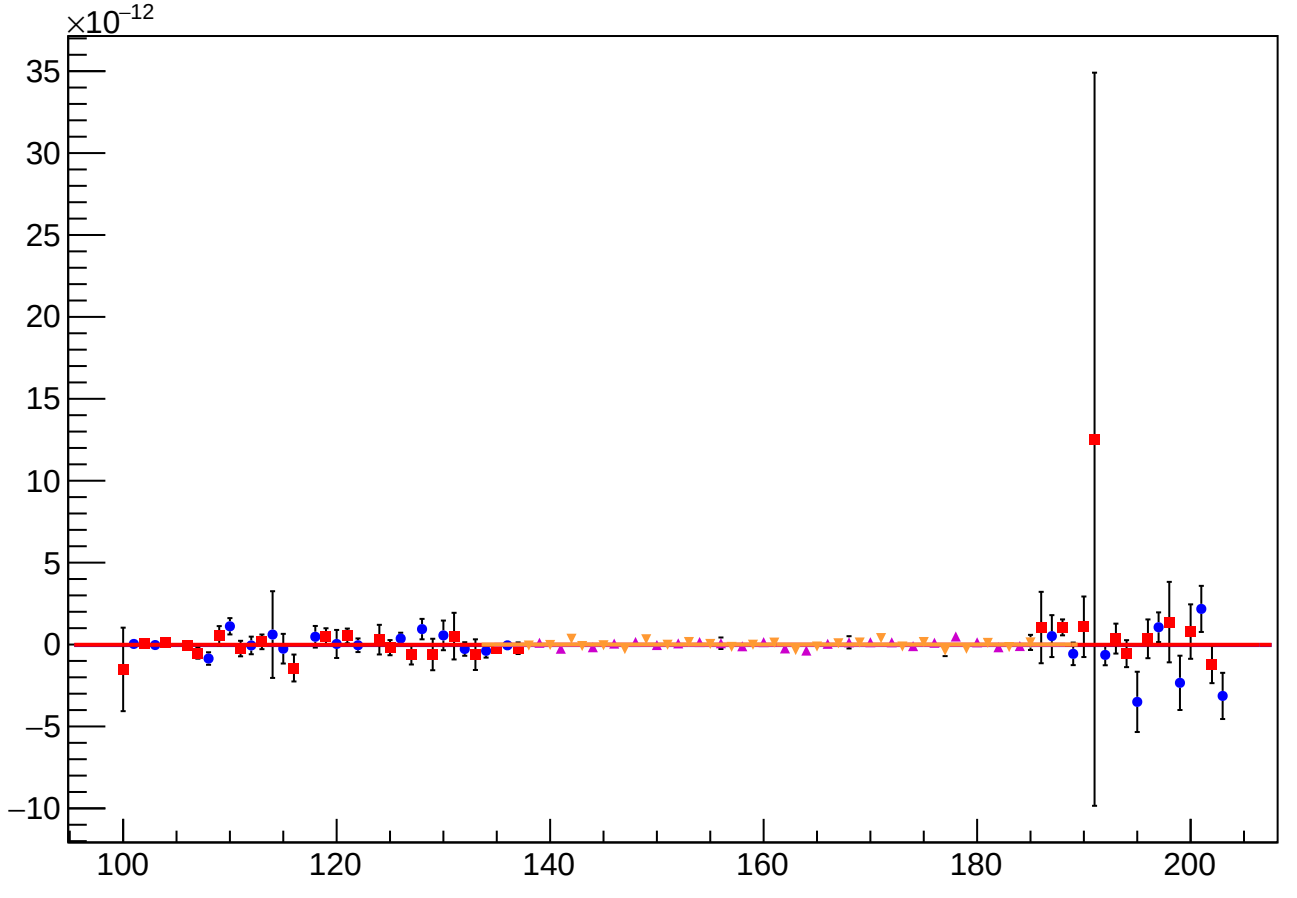
Left: 5087.385+/-0.596 χ^2/NDF: 1901763.2/47

Right: 5244.472+/-0.753 χ^2/NDF: 5923518.3/52

In: 5186.632+/-0.674 χ^2/NDF:3571692.6/46

Out: 5112.030+/-0.648 χ^2/NDF:4273994.2/53

All: 5147.855+/-0.467 χ^2/NDF: 7852052.5/10



Right In: -0.000+/-0.000 χ^2/NDF: 31.9/23

Left Out: 0.000+/-0.000 χ^2/NDF:33.3/24

Right Out: -0.000+/-0.000 χ^2/NDF: 23.1/28

Left In: -0.000+/-0.000 χ^2/NDF:32.4/22

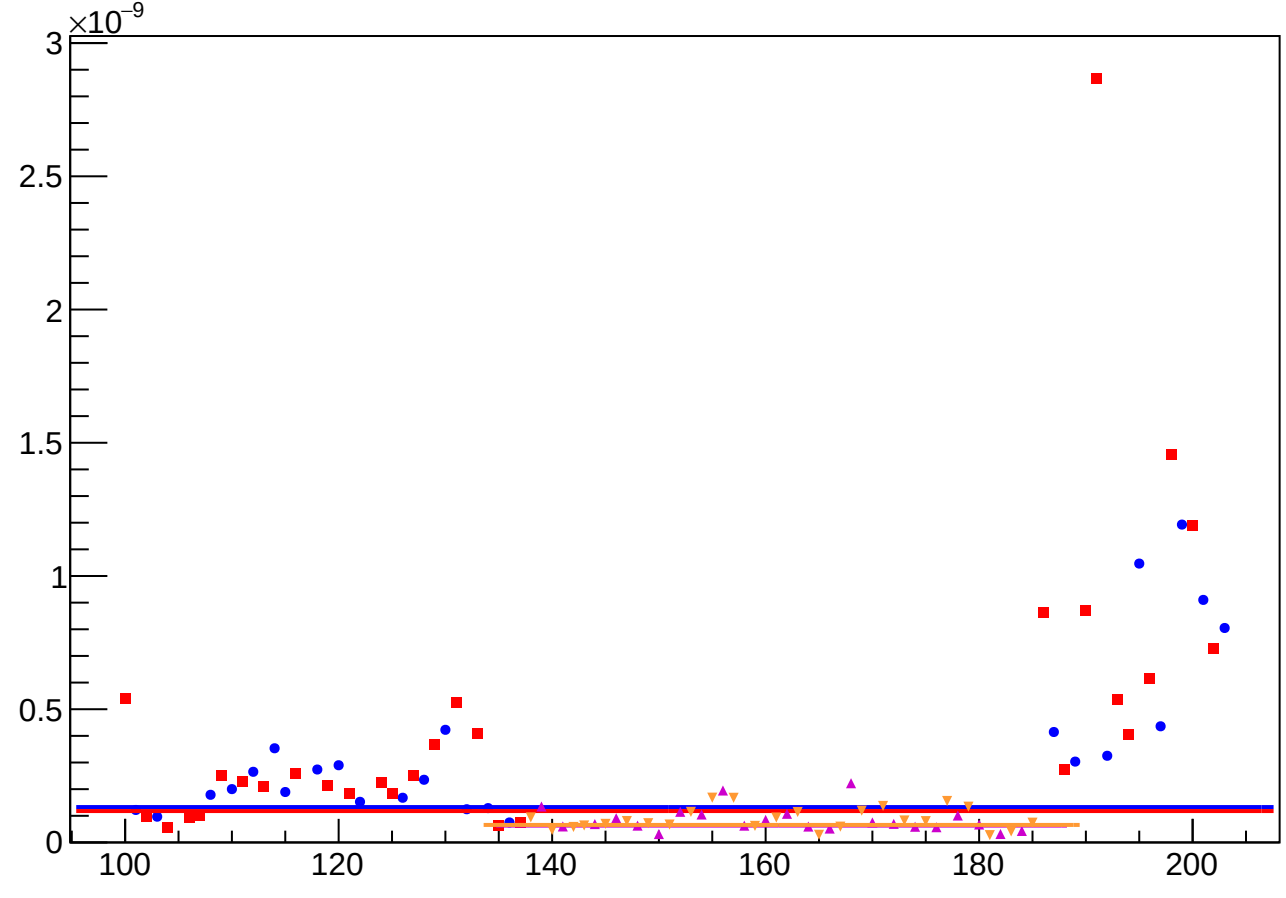
Left: -0.000+/-0.000 χ^2/NDF: 65.9/47

Right: -0.000+/-0.000 χ^2/NDF: 55.0/52

In: -0.000+/-0.000 χ^2/NDF:64.3/46

Out: -0.000+/-0.000 χ^2/NDF:56.4/53

All: -0.000+/-0.000 χ^2/NDF: 121.0/100



Right In: 0.000+/-0.000 χ^2/NDF: 4193274.1/23

Left Out: 0.000+/-0.000 χ^2/NDF:2472657.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 5766011.5/28

Left In: 0.000+/-0.000 χ^2/NDF:2196878.1/22

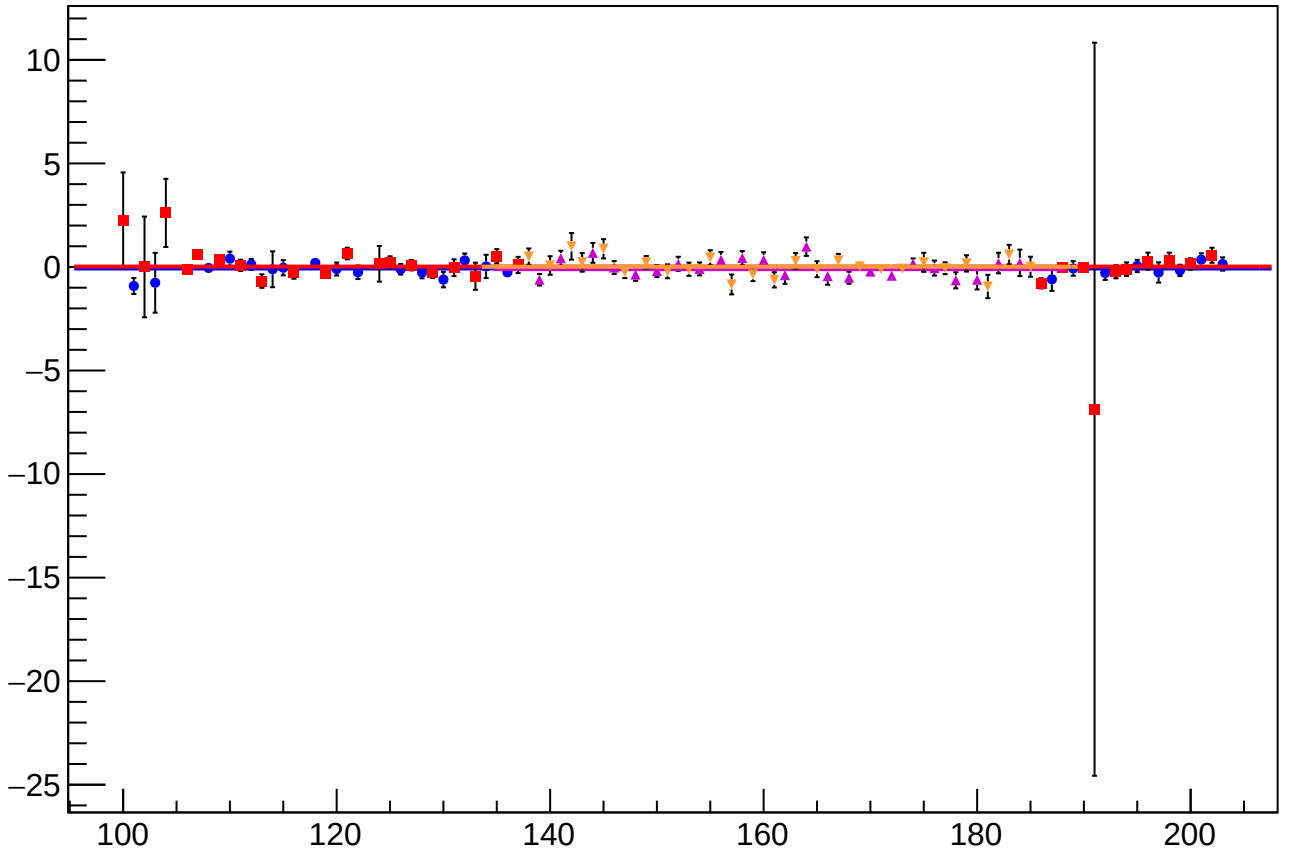
Left: 0.000+/-0.000 χ^2/NDF: 4678116.7/47

Right: 0.000+/-0.000 χ^2/NDF: 10002084.5/52

In: 0.000+/-0.000 χ^2/NDF:7955107.9/46

Out: 0.000+/-0.000 χ^2/NDF:9176598.5/53

All: 0.000+/-0.000 χ^2/NDF: 17132877.4/100



Right In: -0.074+/-0.065 χ^2/NDF: 18.0/23

Left Out: 0.012+/-0.068 χ^2/NDF:25.2/24

Right Out: 0.020+/-0.054 χ^2/NDF: 44.6/28

Left In: -0.105+/-0.069 χ^2/NDF:31.4/22

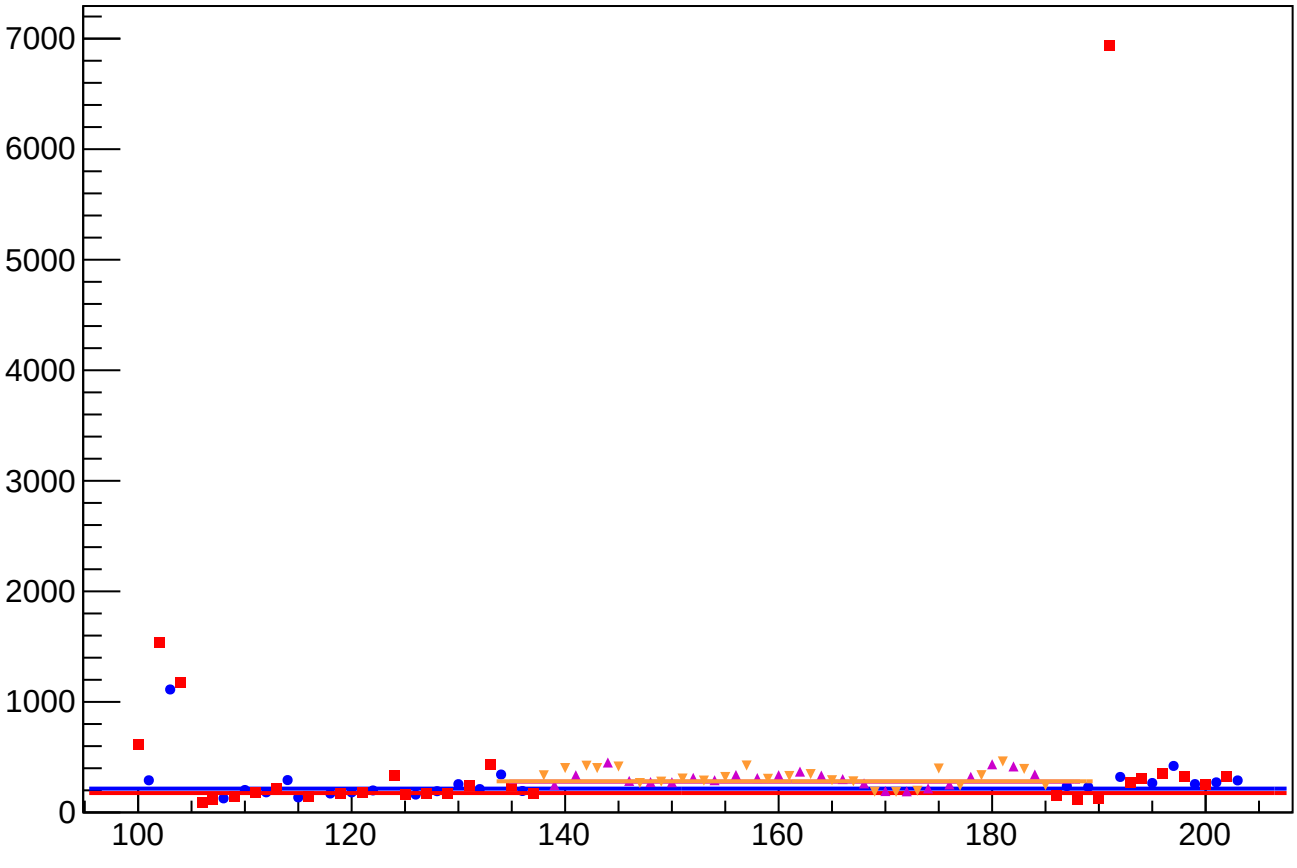
Left: -0.046+/-0.048 χ^2/NDF: 58.1/47

Right: -0.018+/-0.041 χ^2/NDF: 63.8/52

In: -0.088+/-0.047 χ^2/NDF:49.6/46

Out: 0.017+/-0.042 χ^2/NDF:69.8/53

All: -0.030+/-0.031 χ^2/NDF: 122.1/100



Right In: 215.639+/-0.046 χ^2/NDF: 2527016.2/23

Left Out: 281.818+/-0.048 χ^2/NDF:2520824.2/24

Right Out: 175.452+/-0.038 χ^2/NDF: 5177900.5/28

Left In: 278.409+/-0.049 χ^2/NDF:1799690.4/22

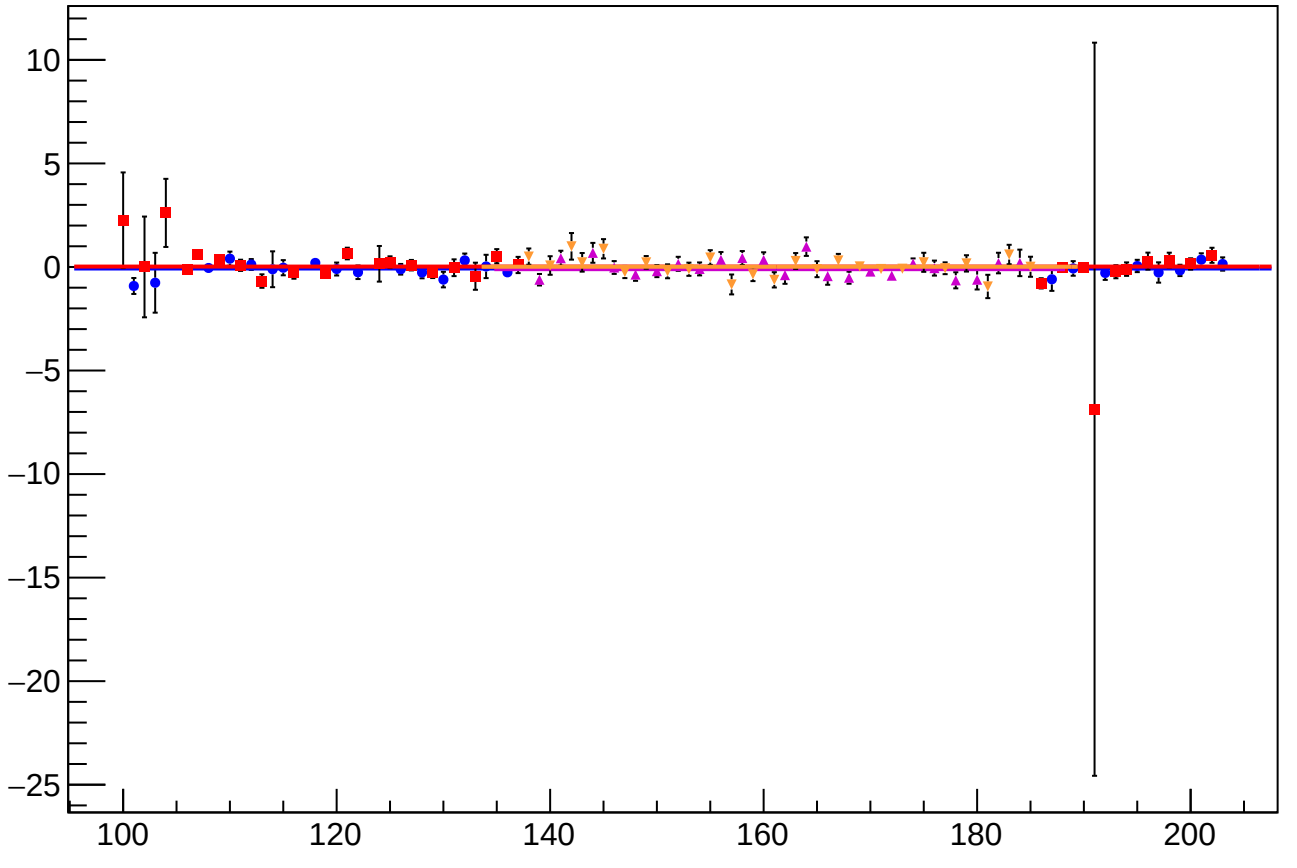
Left: 280.127+/-0.034 χ^2/NDF: 4323003.2/47

Right: 191.797+/-0.029 χ^2/NDF: 8162666.8/52

In: 245.192+/-0.033 χ^2/NDF:5212915.9/46

Out: 216.152+/-0.030 χ^2/NDF:10715614.6/53

All: 229.056+/-0.022 χ^2/NDF: 16351542.2/10



Right In: -0.074+/-0.065 χ^2/NDF: 18.0/23

Left Out: 0.012+/-0.068 χ^2/NDF:25.2/24

Right Out: 0.020+/-0.054 χ^2/NDF: 44.6/28

Left In: -0.105+/-0.069 χ^2/NDF:31.4/22

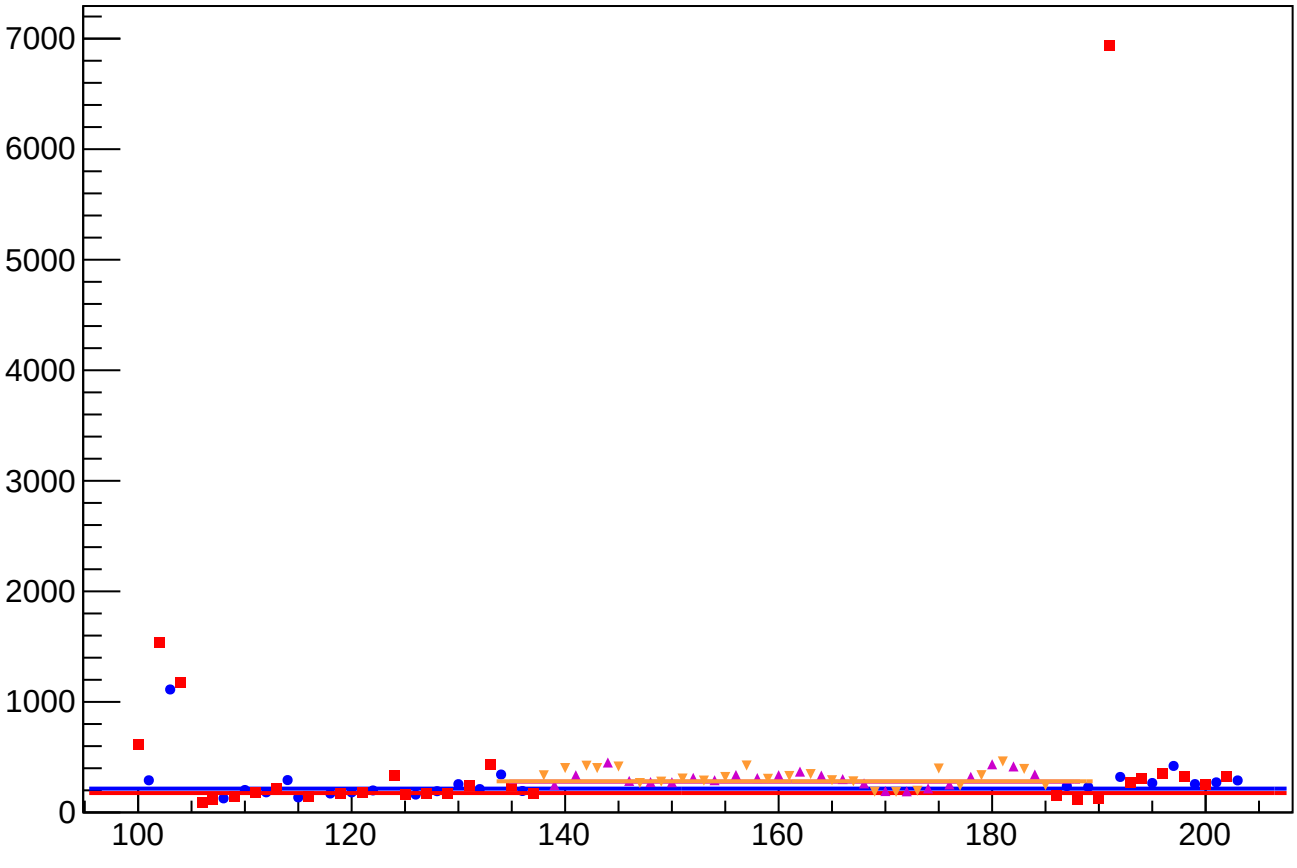
Left: -0.046+/-0.048 χ^2/NDF: 58.1/47

Right: -0.018+/-0.041 χ^2/NDF: 63.8/52

In: -0.088+/-0.047 χ^2/NDF:49.6/46

Out: 0.017+/-0.042 χ^2/NDF:69.8/53

All: -0.030+/-0.031 χ^2/NDF: 122.1/100



Right In: 215.639+/-0.046 χ^2/NDF: 2527016.2/23

Left Out: 281.818+/-0.048 χ^2/NDF:2520824.2/24

Right Out: 175.452+/-0.038 χ^2/NDF: 5177900.5/28

Left In: 278.409+/-0.049 χ^2/NDF:1799690.4/22

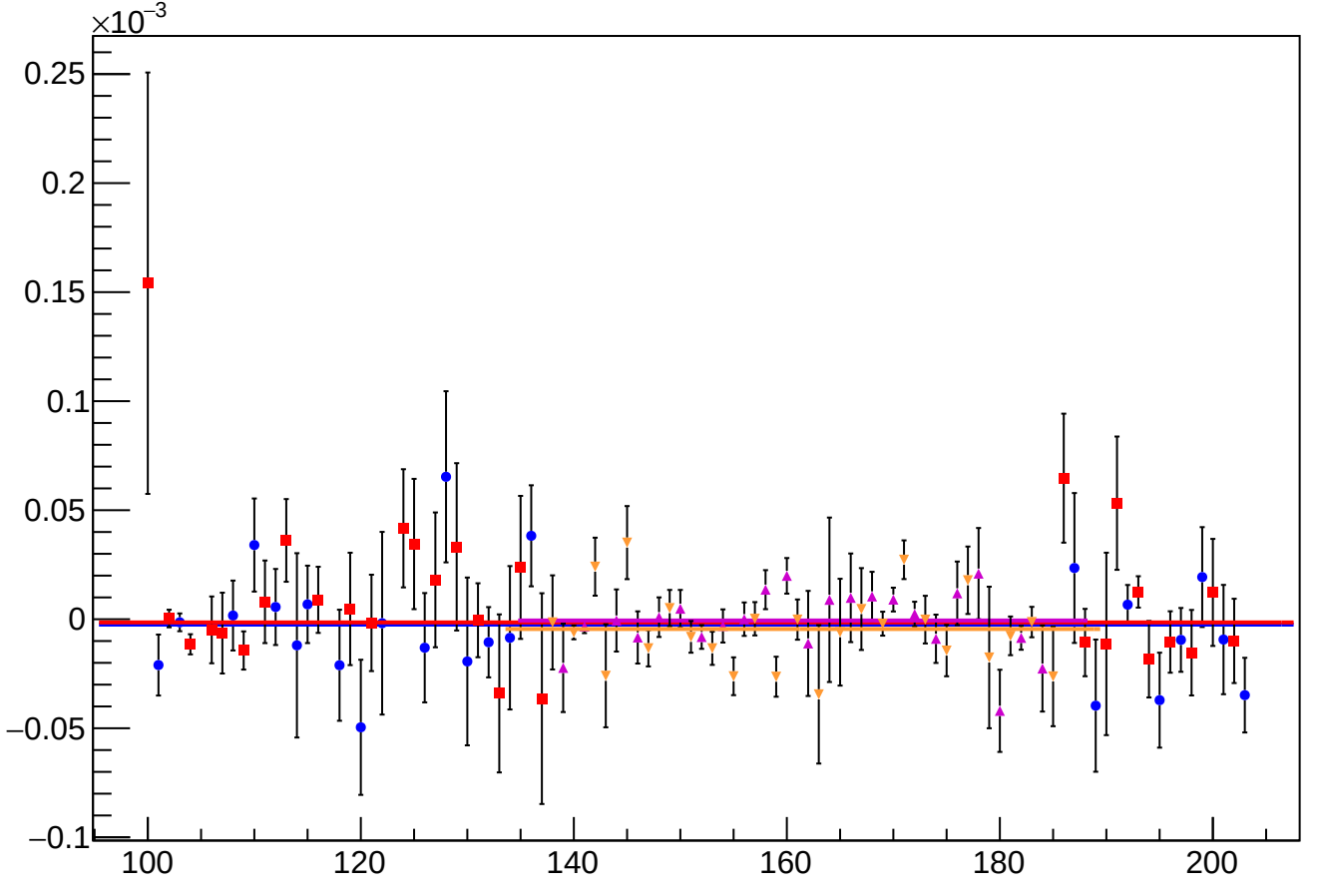
Left: 280.127+/-0.034 χ^2/NDF: 4323003.2/47

Right: 191.797+/-0.029 χ^2/NDF: 8162666.8/52

In: 245.192+/-0.033 χ^2/NDF:5212915.9/46

Out: 216.152+/-0.030 χ^2/NDF:10715614.6/53

All: 229.056+/-0.022 χ^2/NDF: 16351542.2/10



Right In: -0.000+/-0.000 χ^2/NDF: 25.3/23

Left Out: -0.000+/-0.000 χ^2/NDF:46.4/24

Right Out: -0.000+/-0.000 χ^2/NDF: 36.4/28

Left In: -0.000+/-0.000 χ^2/NDF:29.1/22

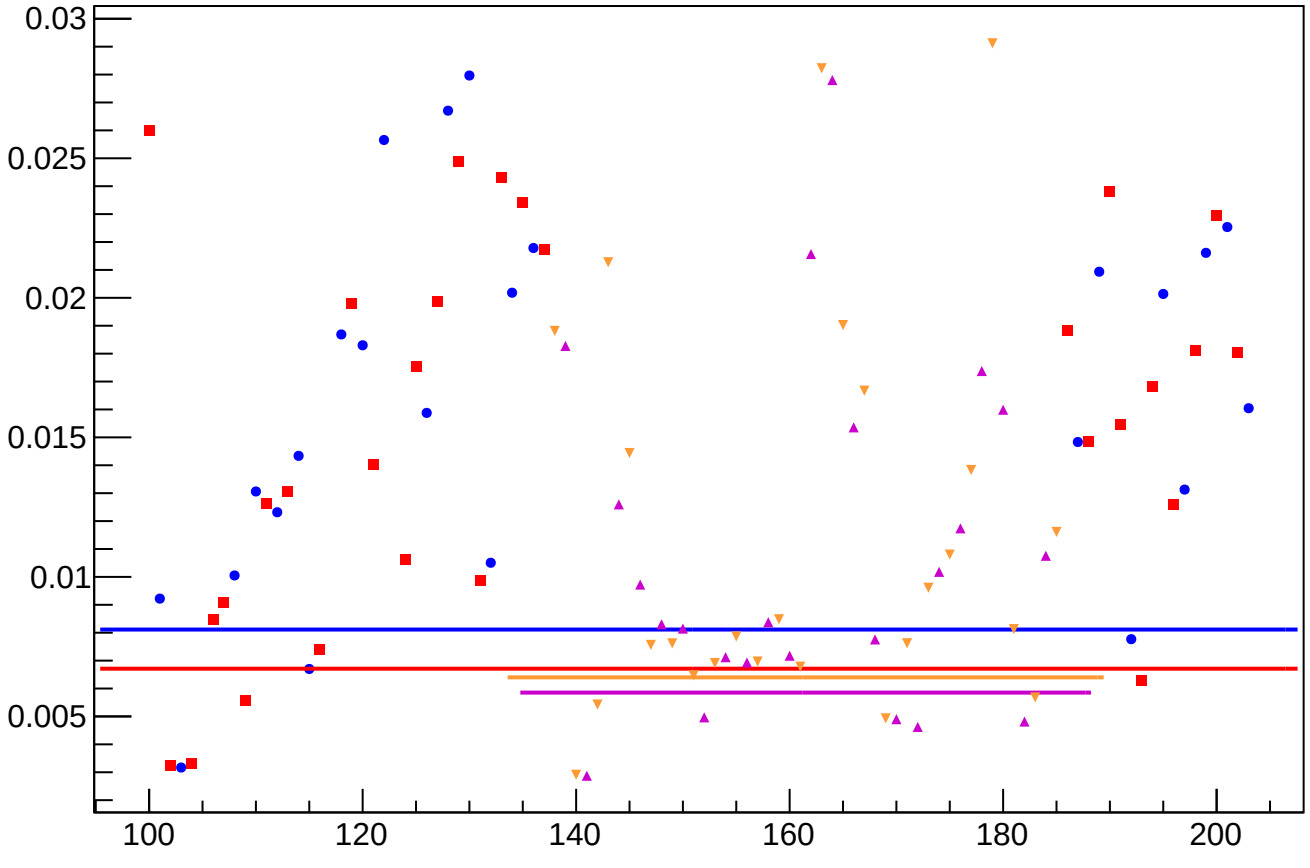
Left: -0.000+/-0.000 χ^2/NDF: 78.2/47

Right: -0.000+/-0.000 χ^2/NDF: 61.8/52

In: -0.000+/-0.000 χ^2/NDF:54.7/46

Out: -0.000+/-0.000 χ^2/NDF:83.9/53

All: -0.000+/-0.000 χ^2/NDF: 140.0/100



Right In: 0.008+/-0.000 χ^2/NDF: 9426186.1/23

Left Out: 0.006+/-0.000 χ^2/NDF:8964265.3/24

Right Out: 0.007+/-0.000 χ^2/NDF: 10906495.9/28

Left In: 0.006+/-0.000 χ^2/NDF:8144305.6/22

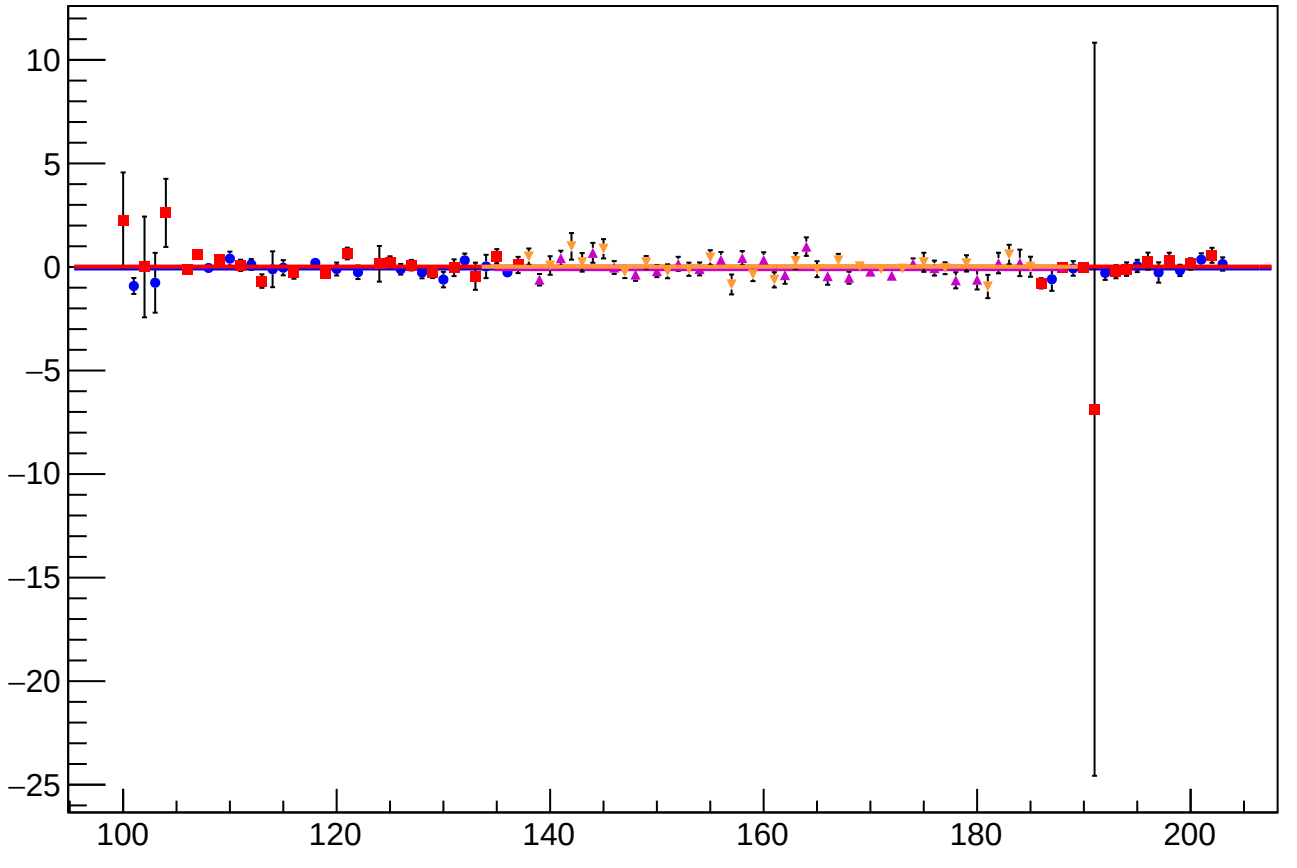
Left: 0.006+/-0.000 χ^2/NDF: 17214563.0/47

Right: 0.007+/-0.000 χ^2/NDF: 20622522.1/52

In: 0.006+/-0.000 χ^2/NDF:18492159.5/46

Out: 0.007+/-0.000 χ^2/NDF:19894608.0/53

All: 0.006+/-0.000 χ^2/NDF: 38393434.1/100



Right In: -0.074+/-0.065 χ^2/NDF: 18.0/23

Left Out: 0.012+/-0.068 χ^2/NDF:25.2/24

Right Out: 0.020+/-0.054 χ^2/NDF: 44.6/28

Left In: -0.105+/-0.069 χ^2/NDF:31.4/22

Left: -0.046+/-0.048 χ^2/NDF: 58.1/47

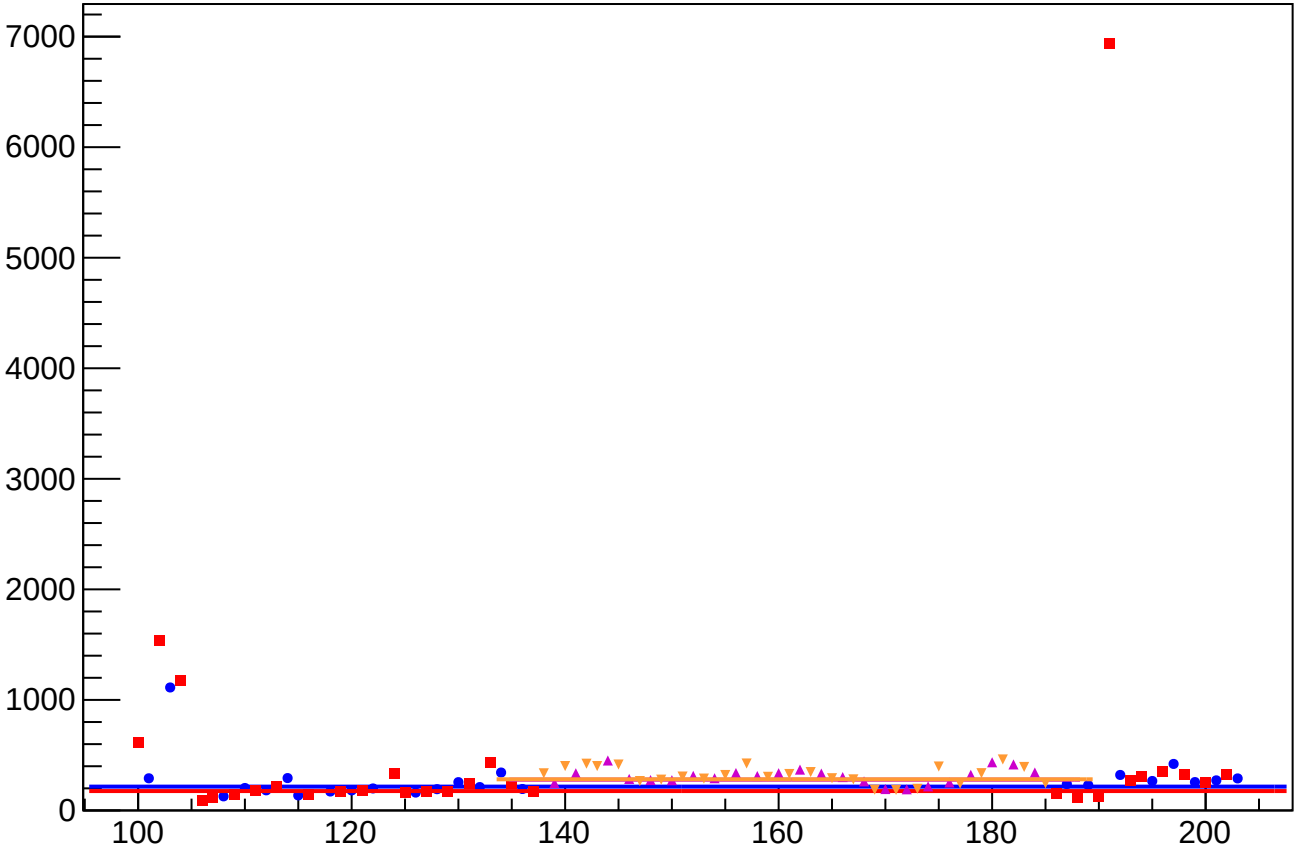
Right: -0.018+/-0.041 χ^2/NDF: 63.8/52

In: -0.088+/-0.047 χ^2/NDF:49.6/46

Out: 0.017+/-0.042 χ^2/NDF:69.8/53

All: -0.030+/-0.031 χ^2/NDF: 122.1/100

asym_atr_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 215.639+/-0.046 χ^2/NDF: 2527025.3/23

Left Out: 281.820+/-0.048 χ^2/NDF:2520889.0/24

Right Out: 175.449+/-0.038 χ^2/NDF: 5178035.0/28

Left In: 278.412+/-0.049 χ^2/NDF:1799730.1/22

Left: 280.130+/-0.034 χ^2/NDF: 4323107.7/47

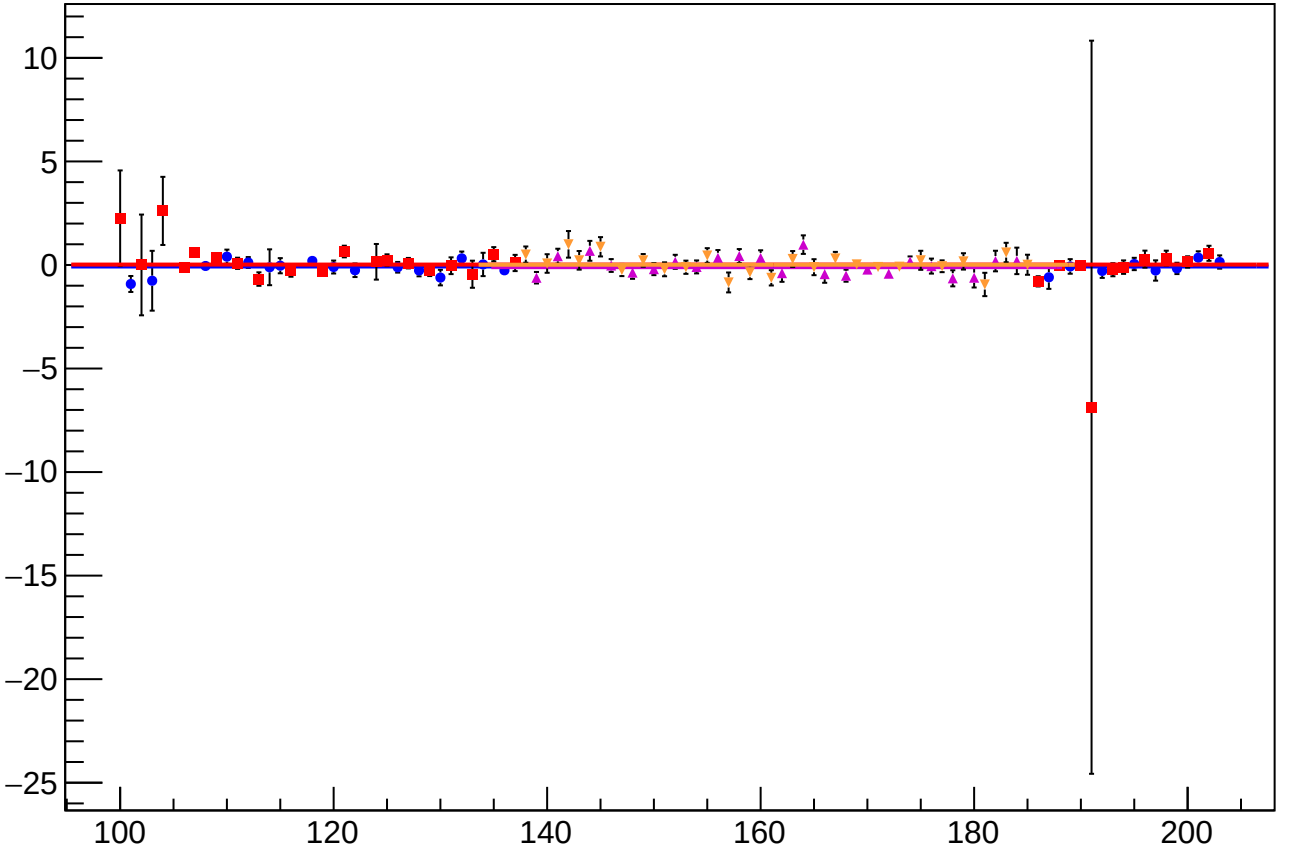
Right: 191.794+/-0.029 χ^2/NDF: 8162885.3/52

In: 245.193+/-0.033 χ^2/NDF:5213033.8/46

Out: 216.150+/-0.030 χ^2/NDF:10716140.0/53

All: 229.055+/-0.022 χ^2/NDF: 16352271.0/10

asym_atr_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.074+/-0.065 χ^2/NDF: 18.0/23

Left Out: 0.012+/-0.068 χ^2/NDF:25.2/24

Right Out: 0.020+/-0.054 χ^2/NDF: 44.6/28

Left In: -0.105+/-0.069 χ^2/NDF:31.4/22

Left: -0.046+/-0.048 χ^2/NDF: 58.1/47

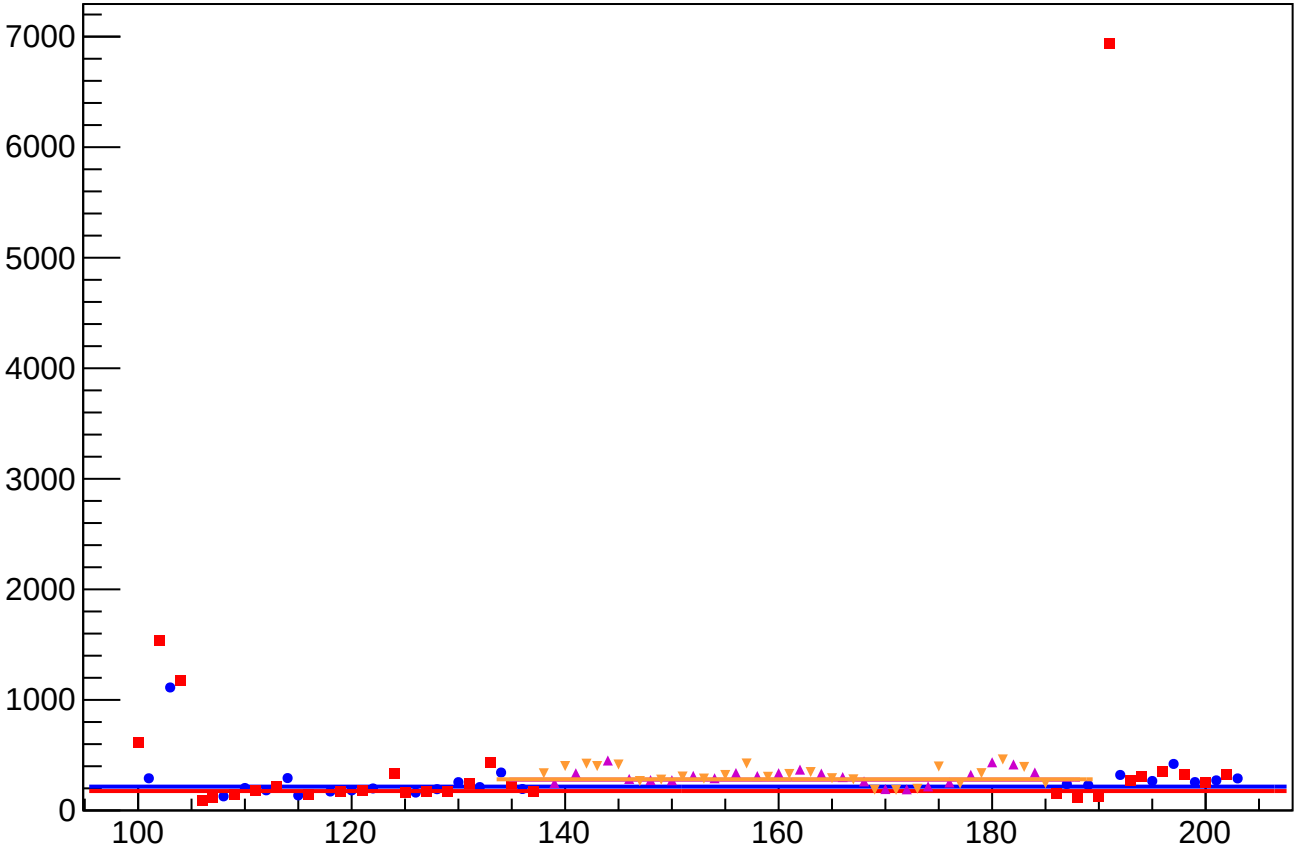
Right: -0.018+/-0.041 χ^2/NDF: 63.8/52

In: -0.088+/-0.047 χ^2/NDF:49.6/46

Out: 0.017+/-0.042 χ^2/NDF:69.8/53

All: -0.030+/-0.031 χ^2/NDF: 122.1/100

asym_atr_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 215.639+/-0.046 χ^2/NDF: 2527025.3/23

Left Out: 281.820+/-0.048 χ^2/NDF:2520889.0/24

Right Out: 175.449+/-0.038 χ^2/NDF: 5178035.0/28

Left In: 278.412+/-0.049 χ^2/NDF:1799730.1/22

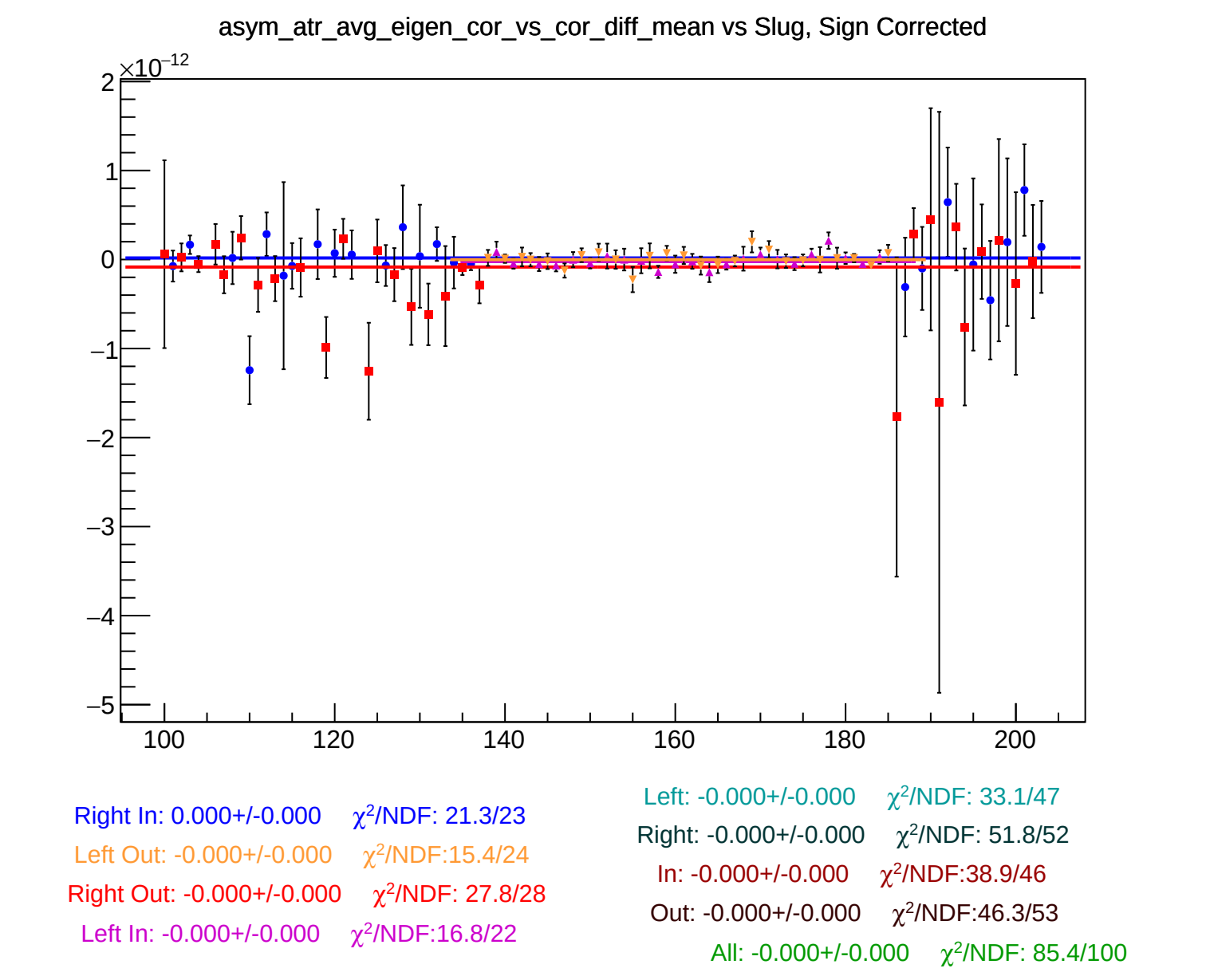
Left: 280.130+/-0.034 χ^2/NDF: 4323107.7/47

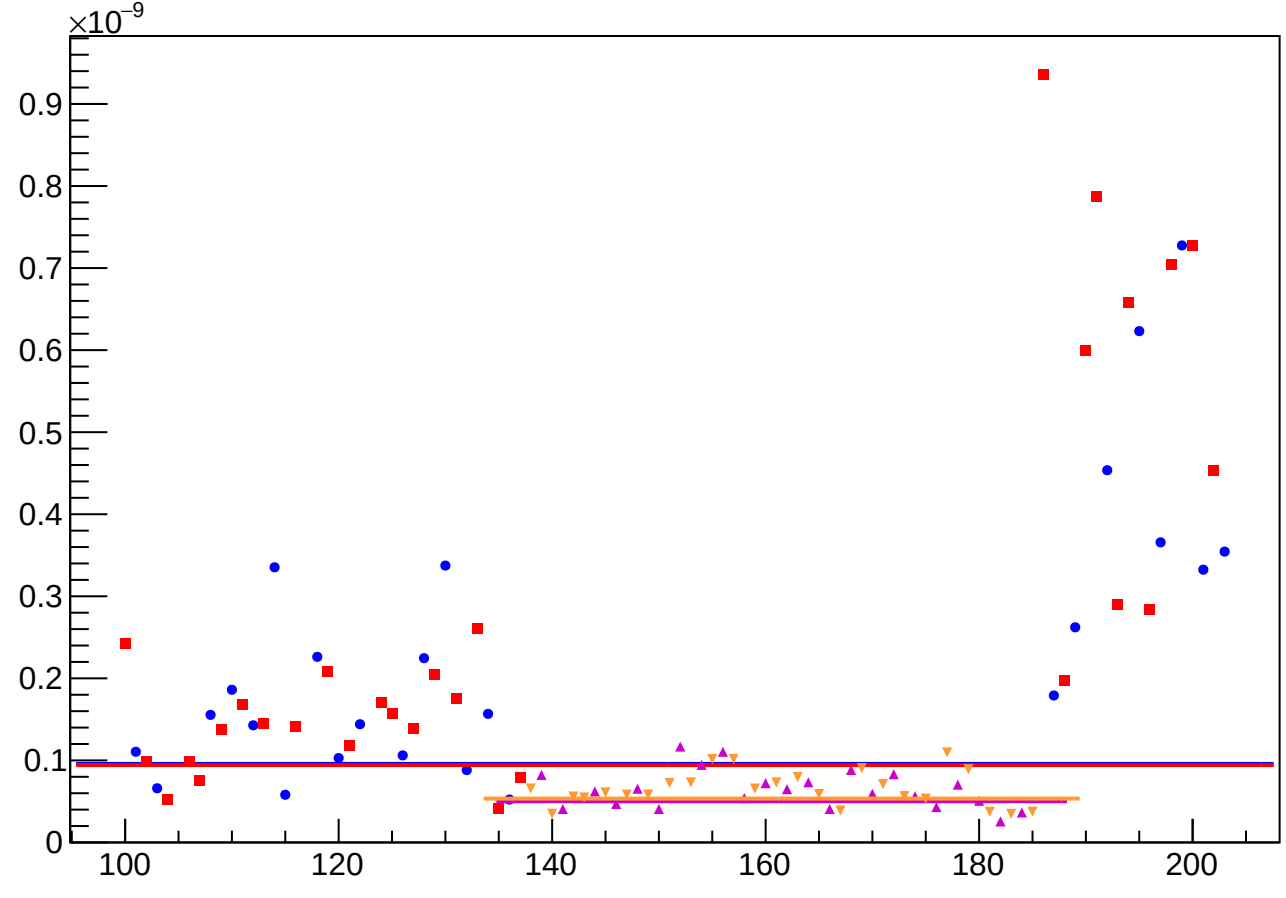
Right: 191.794+/-0.029 χ^2/NDF: 8162885.3/52

In: 245.193+/-0.033 χ^2/NDF:5213033.8/46

Out: 216.150+/-0.030 χ^2/NDF:10716140.0/53

All: 229.055+/-0.022 χ^2/NDF: 16352271.0/10


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: 21.3/23
Left Out: -0.000+/-0.000 χ²/NDF:15.4/24
Right Out: -0.000+/-0.000 χ²/NDF: 27.8/28
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: 51.8/52
In: -0.000+/-0.000 χ²/NDF:38.9/46
Out: -0.000+/-0.000 χ²/NDF:46.3/53
All: -0.000+/-0.000 χ²/NDF: 85.4/100



Right In: 0.000+/-0.000 χ^2/NDF: 5977947.0/23

Left Out: 0.000+/-0.000 χ^2/NDF:2781376.7/24

Right Out: 0.000+/-0.000 χ^2/NDF: 6900627.7/28

Left In: 0.000+/-0.000 χ^2/NDF:3367886.1/22

Left: 0.000+/-0.000 χ^2/NDF: 6193032.5/47

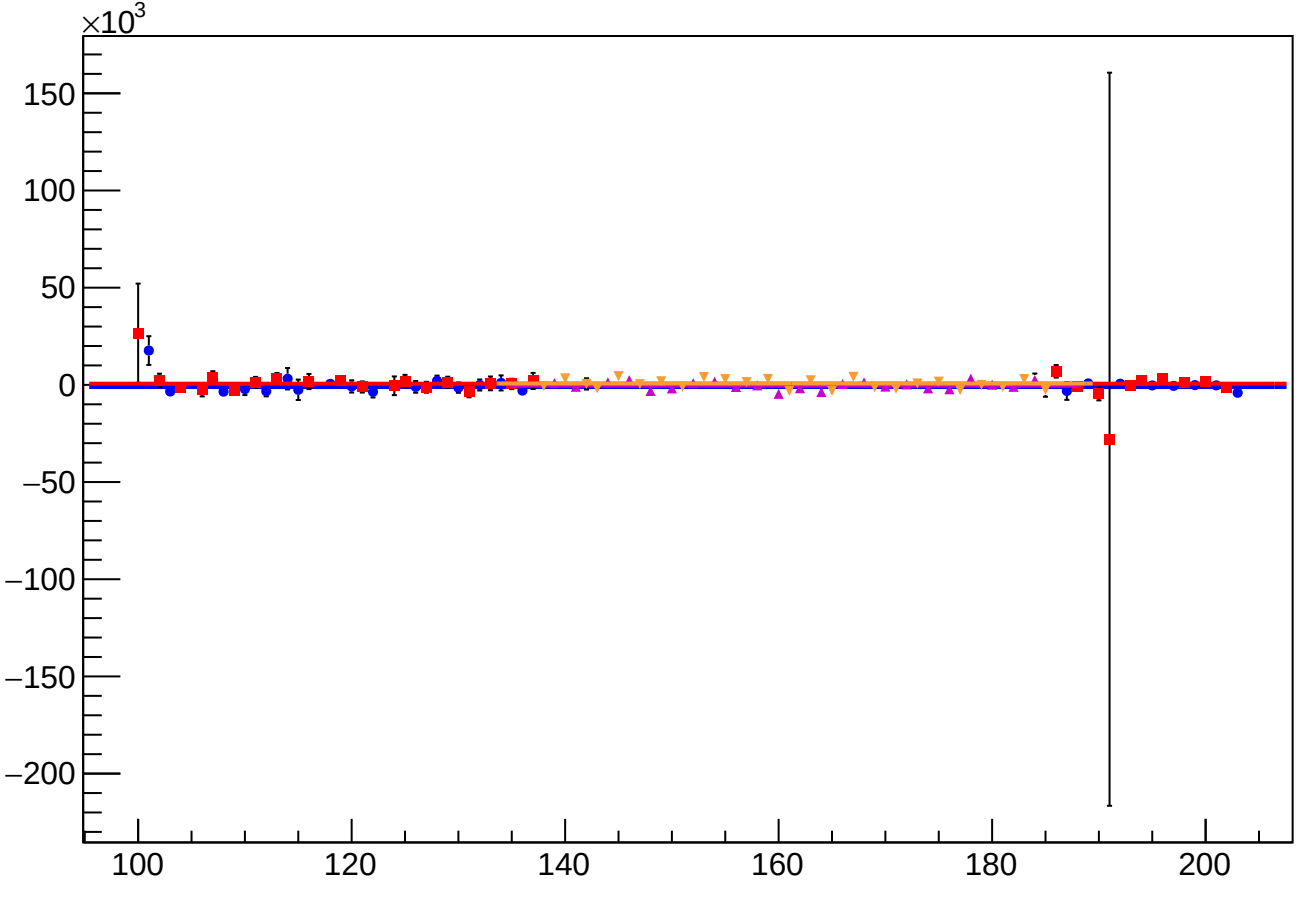
Right: 0.000+/-0.000 χ^2/NDF: 12879530.8/52

In: 0.000+/-0.000 χ^2/NDF:11207387.7/46

Out: 0.000+/-0.000 χ^2/NDF:11236493.4/53

All: 0.000+/-0.000 χ^2/NDF: 22487840.7/100

reg_asym_atr_dd_mean vs Slug, Sign Corrected



Right In: -1111.902+/-536.689 χ^2/NDF: 17.8/23

Left Out: 705.742+/-415.383 χ^2/NDF:31.9/24

Right Out: 608.535+/-514.646 χ^2/NDF: 20.7/28

Left In: -403.144+/-426.215 χ^2/NDF:20.7/22

Left: 165.568+/-297.476 χ^2/NDF: 56.1/47

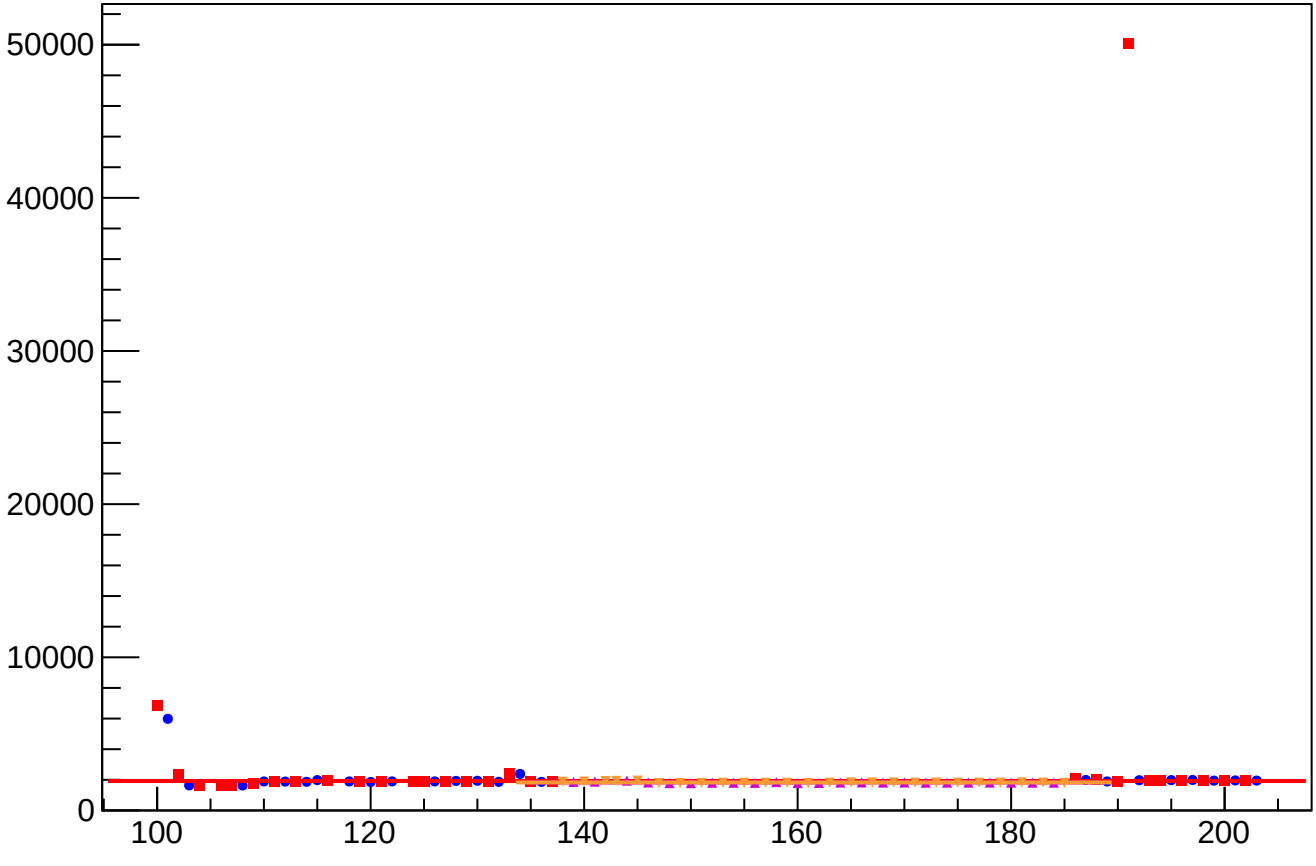
Right: -215.628+/-371.458 χ^2/NDF: 43.8/52

In: -677.263+/-333.767 χ^2/NDF:39.6/46

Out: 667.397+/-323.234 χ^2/NDF:52.6/53

All: 16.620+/-232.195 χ^2/NDF: 100.6/100

reg_asym_atr_dd_rms vs Slug, Sign Corrected



Right In: 1926.338+/-0.379 χ^2/NDF: 706126.9/23

Left Out: 1828.243+/-0.294 χ^2/NDF:19329.0/24

Right Out: 1921.710+/-0.363 χ^2/NDF: 374214.2/28

Left In: 1825.165+/-0.301 χ^2/NDF:13360.2/22

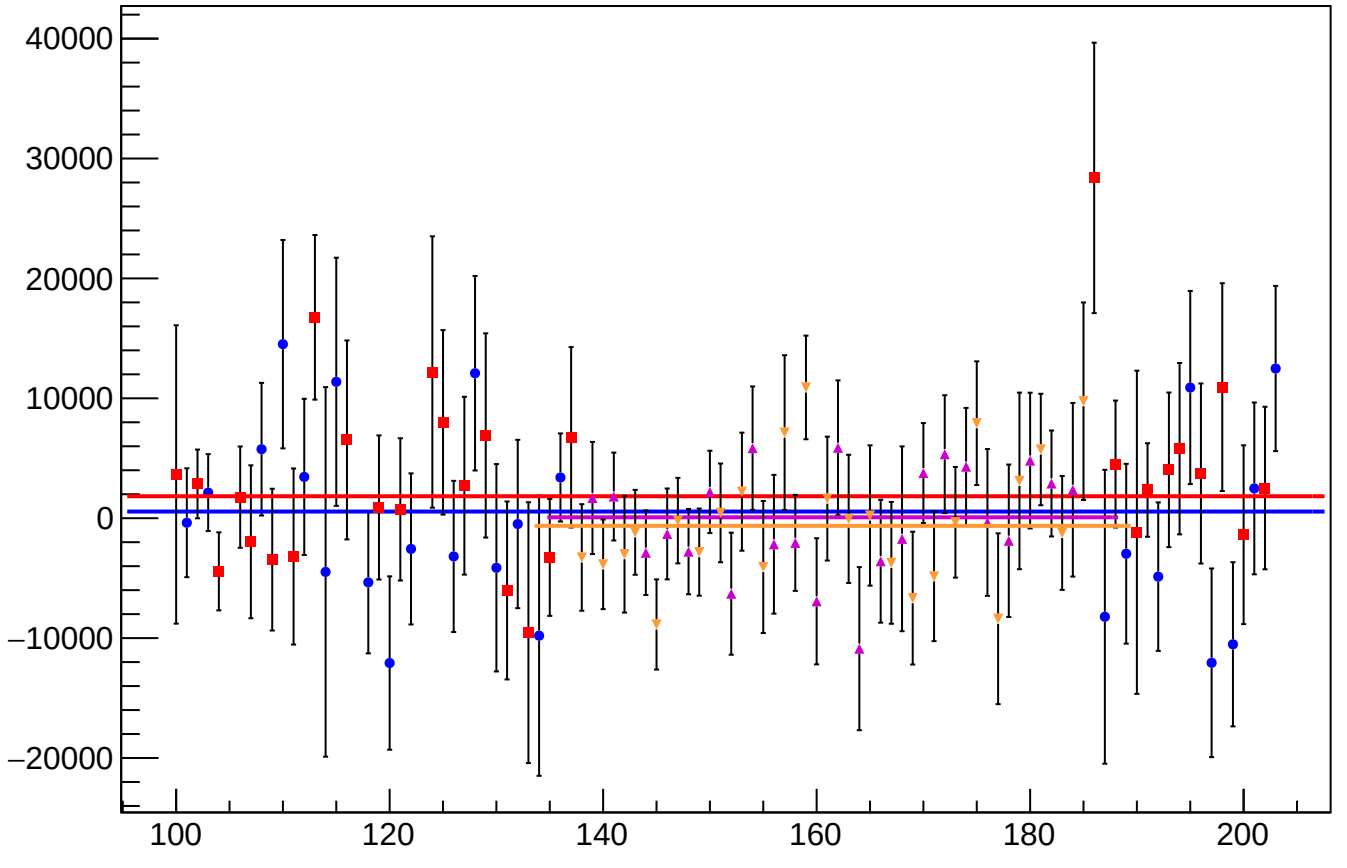
Left: 1826.743+/-0.210 χ^2/NDF: 32742.7/47

Right: 1923.922+/-0.262 χ^2/NDF: 1080418.6/52

In: 1864.294+/-0.236 χ^2/NDF:763072.7/46

Out: 1865.194+/-0.228 χ^2/NDF:433576.6/53

All: 1864.759+/-0.164 χ^2/NDF: 1196656.8/10



Right In: 556.318+/-1289.966 χ^2/NDF: 24.9/23

Left Out: -637.703+/-946.866 χ^2/NDF:26.0/24

Right Out: 1832.430+/-1108.062 χ^2/NDF: 23.8/28

Left In: 75.764+/-980.243 χ^2/NDF:15.4/22

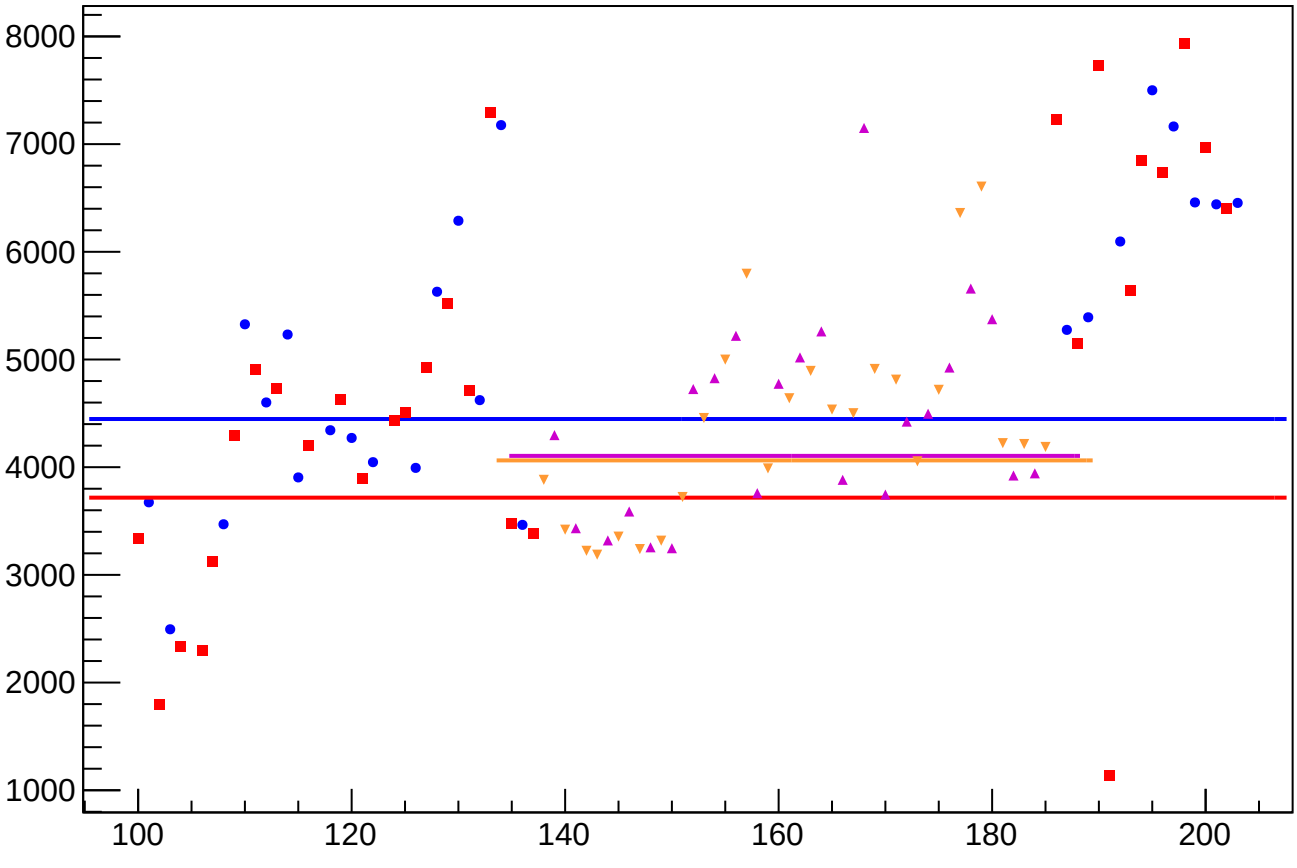
Left: -293.323+/-681.030 χ^2/NDF: 41.7/47

Right: 1290.621+/-840.538 χ^2/NDF: 49.3/52

In: 251.677+/-780.471 χ^2/NDF:40.5/46

Out: 404.782+/-719.845 χ^2/NDF:52.7/53

All: 334.407+/-529.144 χ^2/NDF: 93.1/100



Right In: 4447.378+/-0.912 χ^2/NDF: 2505736.5/23

Left Out: 4063.108+/-0.670 χ^2/NDF:1405036.2/24

Right Out: 3717.099+/-0.784 χ^2/NDF: 5549273.6/28

Left In: 4105.057+/-0.693 χ^2/NDF:1359493.1/22

Left: 4083.357+/-0.482 χ^2/NDF: 2766424.2/47

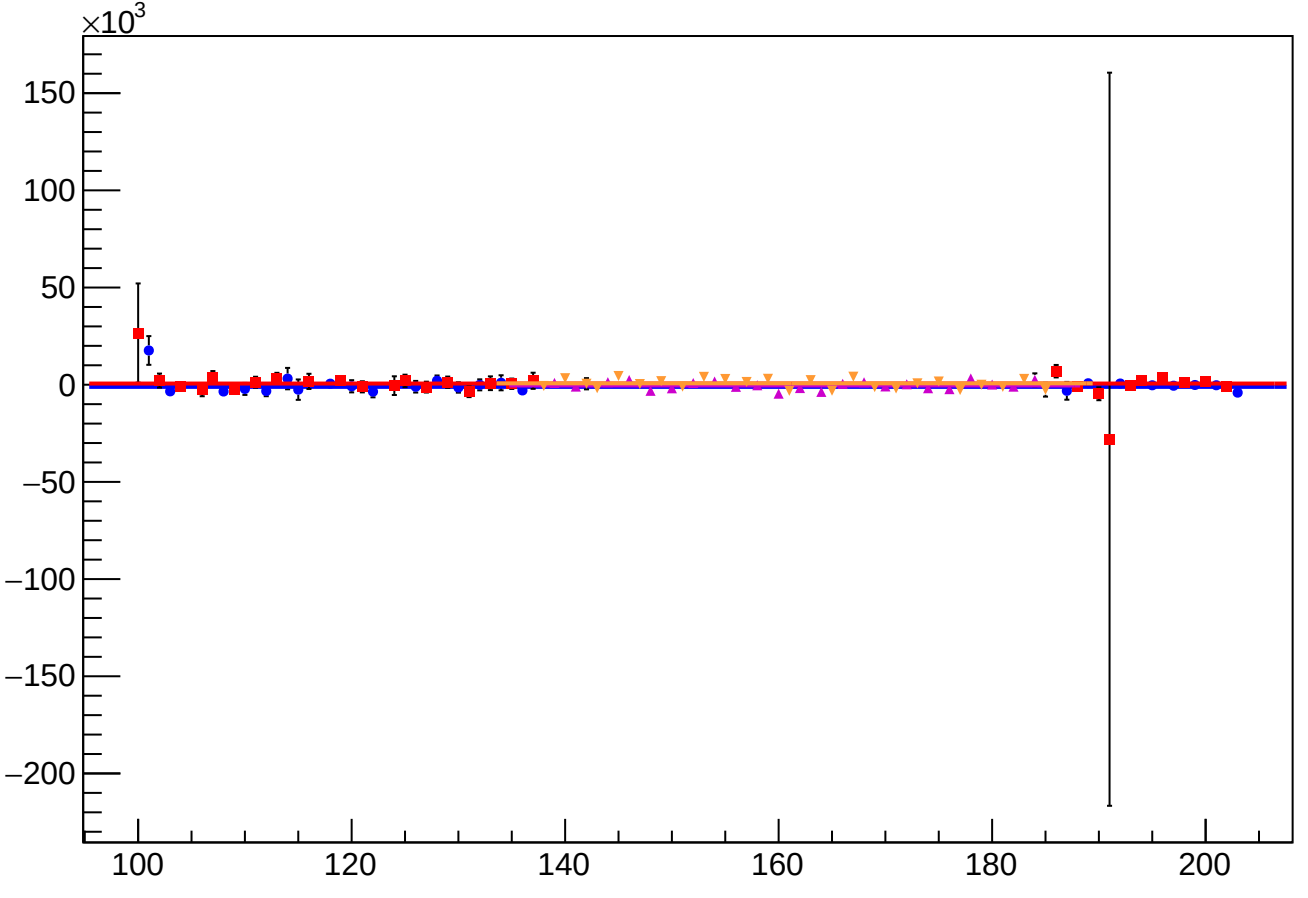
Right: 4027.159+/-0.594 χ^2/NDF: 8423849.9/52

In: 4230.368+/-0.552 χ^2/NDF:3954515.9/46

Out: 3917.080+/-0.509 χ^2/NDF:7067024.2/53

All: 4061.085+/-0.374 χ^2/NDF: 11195671.2/1

cor_asym_atr_dd_mean vs Slug, Sign Corrected



Right In: -1112.129+/-536.689 χ^2/NDF: 17.8/23

Left Out: 705.801+/-415.383 χ^2/NDF:31.9/24

Right Out: 603.298+/-515.018 χ^2/NDF: 20.6/28

Left In: -402.981+/-426.215 χ^2/NDF:20.8/22

Left: 165.678+/-297.476 χ^2/NDF: 56.1/47

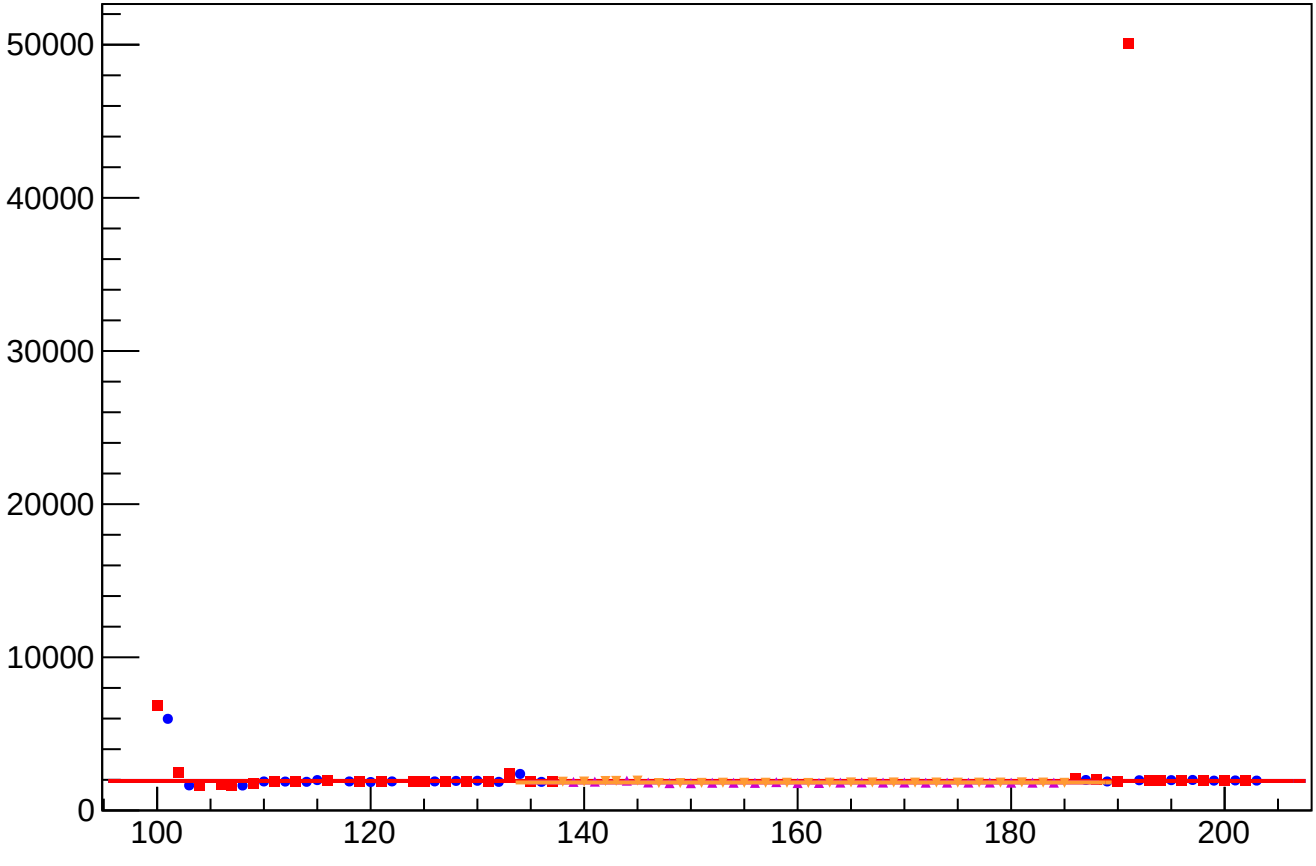
Right: -219.083+/-371.598 χ^2/NDF: 43.7/52

In: -677.251+/-333.767 χ^2/NDF:39.6/46

Out: 665.402+/-323.326 χ^2/NDF:52.6/53

All: 15.406+/-232.229 χ^2/NDF: 100.5/100

cor_asym_atr_dd_rms vs Slug, Sign Corrected



Right In: 1926.337+/-0.379 χ^2/NDF: 706127.0/23

Left Out: 1828.243+/-0.294 χ^2/NDF:19329.0/24

Right Out: 1925.497+/-0.364 χ^2/NDF: 380540.4/28

Left In: 1825.165+/-0.301 χ^2/NDF:13360.2/22

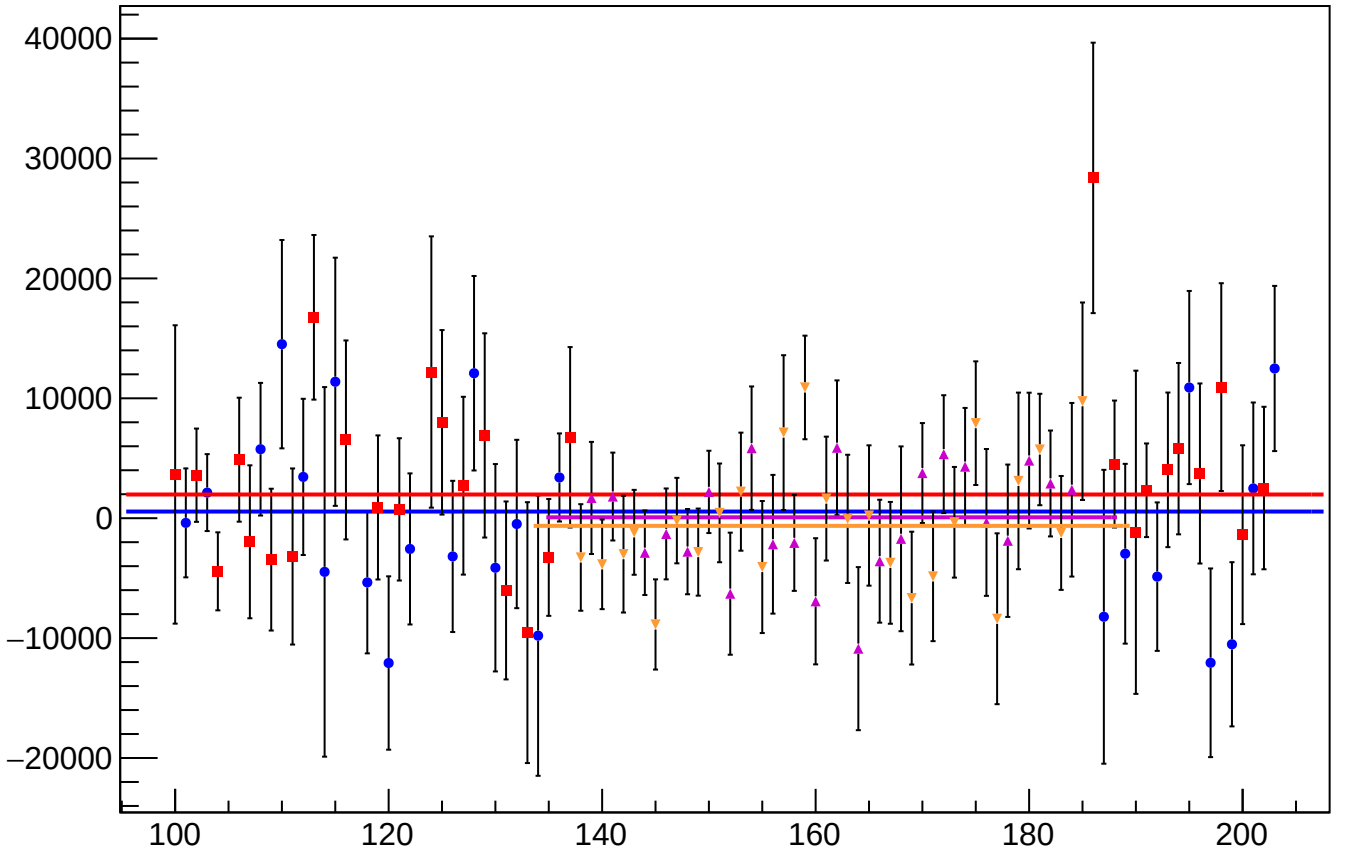
Left: 1826.743+/-0.210 χ^2/NDF: 32742.7/47

Right: 1925.900+/-0.263 χ^2/NDF: 1086670.0/52

In: 1864.294+/-0.236 χ^2/NDF:763072.8/46

Out: 1866.612+/-0.229 χ^2/NDF:443123.5/53

All: 1865.490+/-0.164 χ^2/NDF: 1206246.0/10



Right In: 555.287+/-1290.081 χ^2/NDF: 24.9/23

Left Out: -637.720+/-946.866 χ^2/NDF:26.0/24

Right Out: 1977.922+/-1162.478 χ^2/NDF: 24.2/28

Left In: 75.789+/-980.241 χ^2/NDF:15.4/22

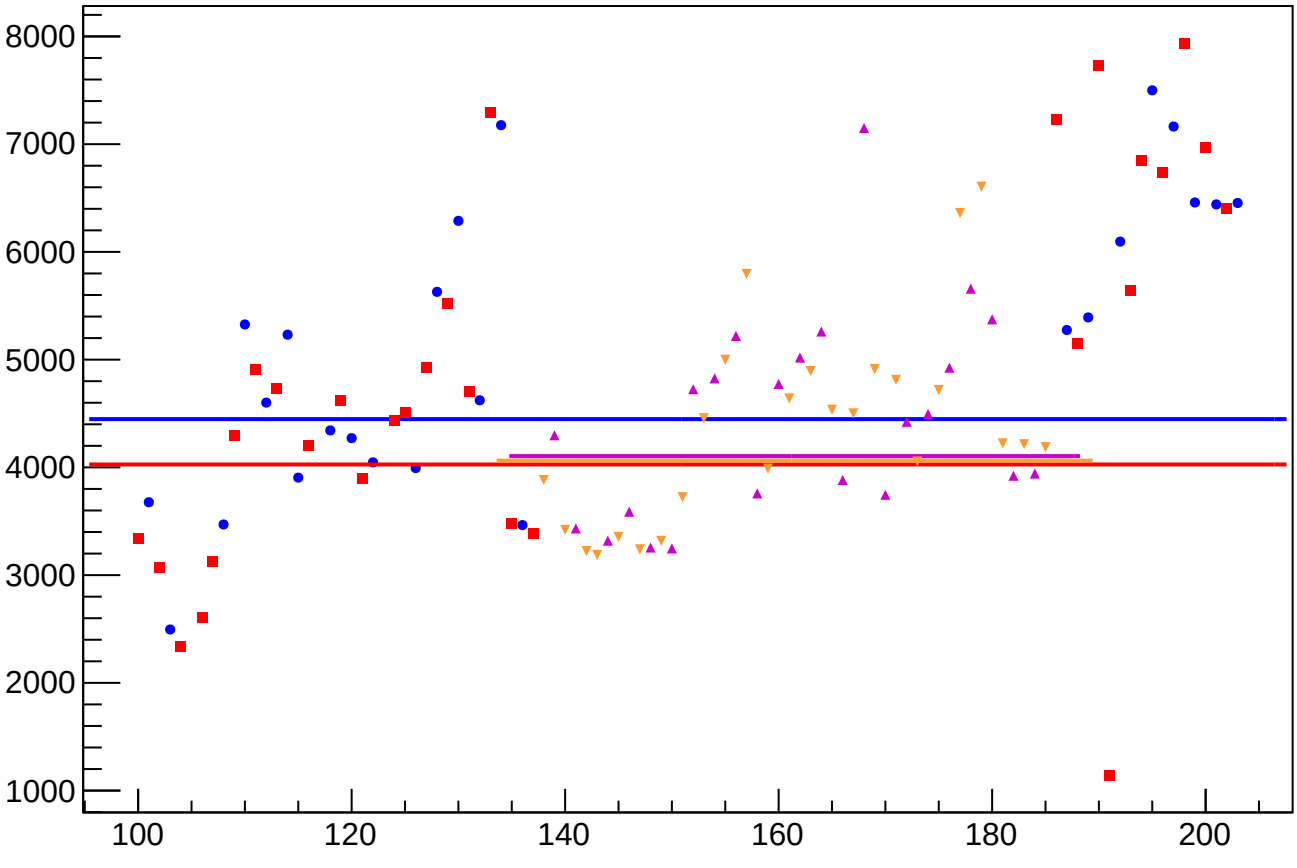
Left: -293.319+/-681.029 χ^2/NDF: 41.7/47

Right: 1340.422+/-863.595 χ^2/NDF: 49.8/52

In: 251.295+/-780.495 χ^2/NDF:40.5/46

Out: 405.501+/-734.148 χ^2/NDF:53.2/53

All: 333.112+/-534.756 χ^2/NDF: 93.7/100



Right In: 4447.887+/-0.912 χ^2/NDF: 2504600.8/23

Left Out: 4063.106+/-0.670 χ^2/NDF:1405030.5/24

Right Out: 4027.024+/-0.822 χ^2/NDF: 4428015.0/28

Left In: 4105.050+/-0.693 χ^2/NDF:1359501.9/22

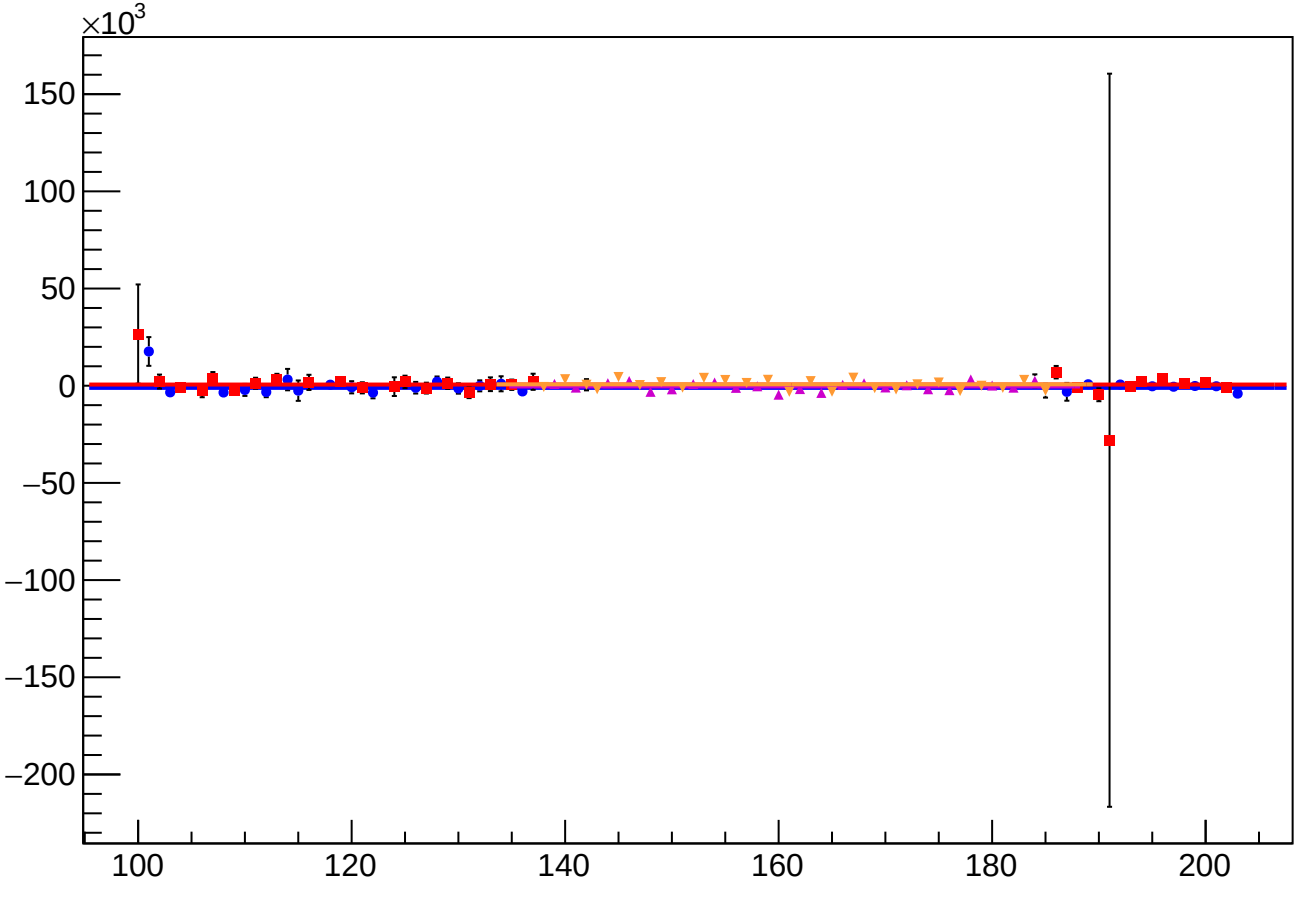
Left: 4083.351+/-0.482 χ^2/NDF: 2766426.7/47

Right: 4215.618+/-0.611 χ^2/NDF: 7050086.3/52

In: 4230.536+/-0.552 χ^2/NDF:3953648.8/46

Out: 4048.715+/-0.519 χ^2/NDF:5834203.8/53

All: 4134.067+/-0.378 χ^2/NDF: 9845439.0/10



Right In: -1112.129+/-536.689 χ^2/NDF: 17.8/23

Left Out: 705.801+/-415.383 χ^2/NDF:31.9/24

Right Out: 603.298+/-515.018 χ^2/NDF: 20.6/28

Left In: -402.981+/-426.215 χ^2/NDF:20.8/22

Left: 165.678+/-297.476 χ^2/NDF: 56.1/47

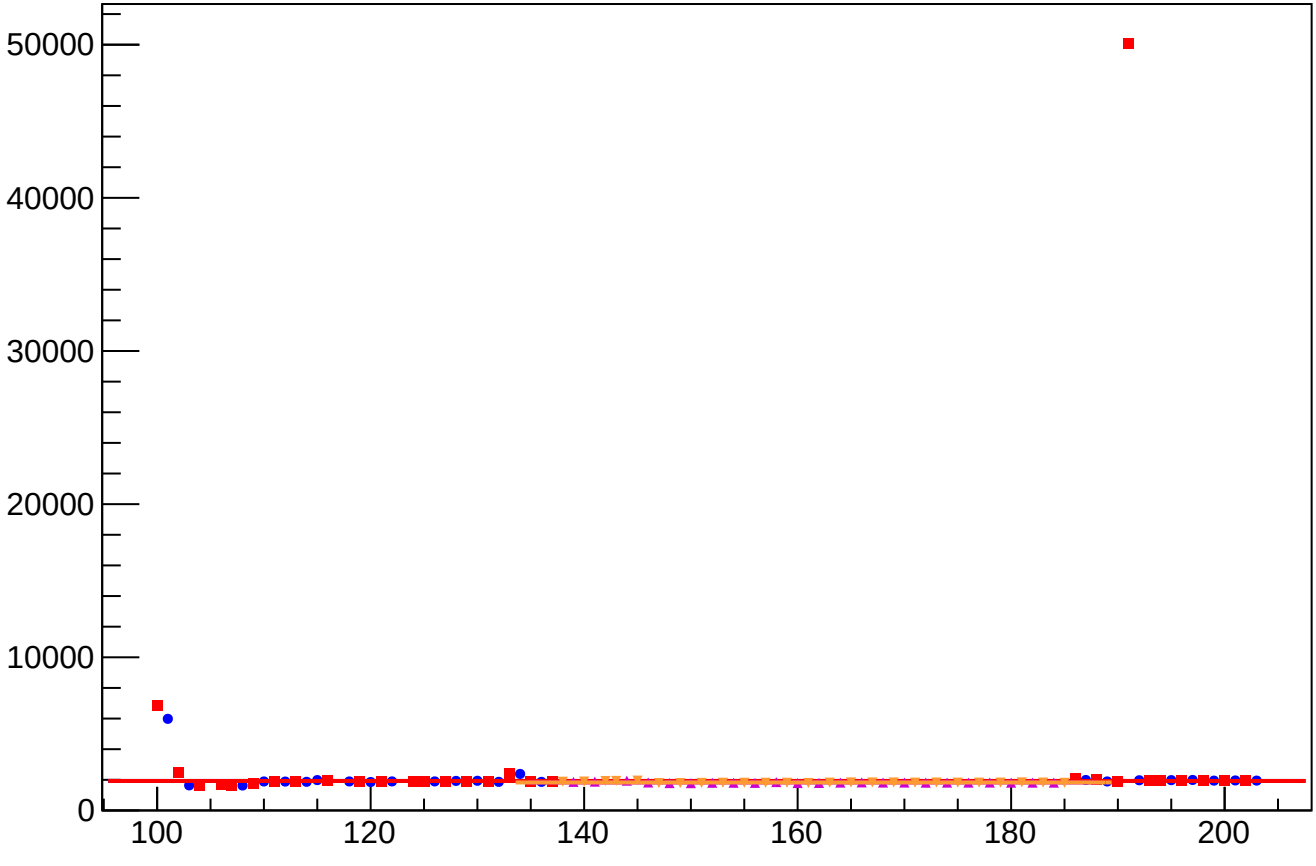
Right: -219.083+/-371.598 χ^2/NDF: 43.7/52

In: -677.251+/-333.767 χ^2/NDF:39.6/46

Out: 665.402+/-323.326 χ^2/NDF:52.6/53

All: 15.406+/-232.229 χ^2/NDF: 100.5/100

eigen_cor_asym_atr_dd_rms vs Slug, Sign Corrected



Right In: 1926.337+/-0.379 χ^2/NDF: 706127.0/23

Left Out: 1828.243+/-0.294 χ^2/NDF:19329.0/24

Right Out: 1925.497+/-0.364 χ^2/NDF: 380540.4/28

Left In: 1825.165+/-0.301 χ^2/NDF:13360.2/22

Left: 1826.743+/-0.210 χ^2/NDF: 32742.7/47

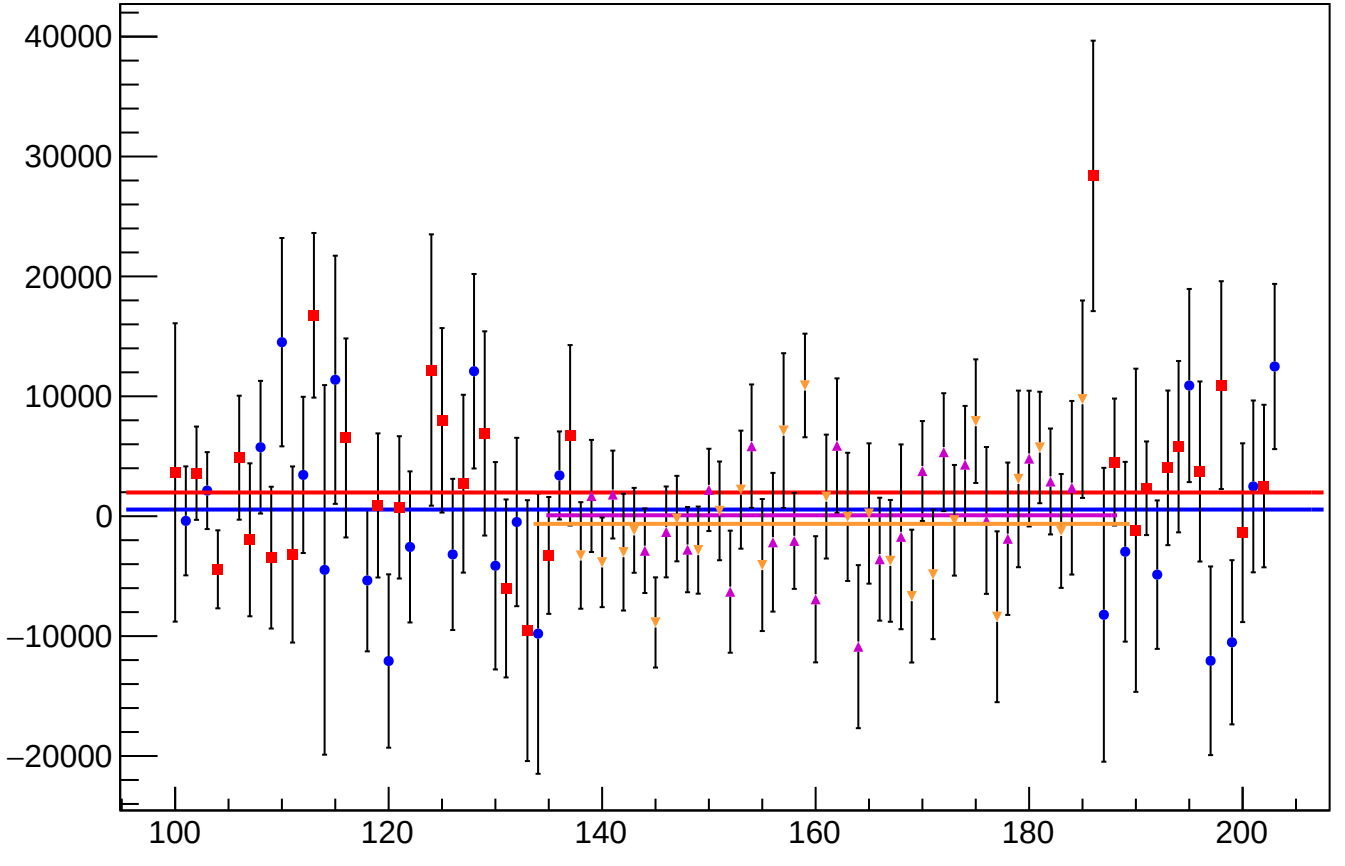
Right: 1925.900+/-0.263 χ^2/NDF: 1086670.0/52

In: 1864.294+/-0.236 χ^2/NDF:763072.8/46

Out: 1866.612+/-0.229 χ^2/NDF:443123.5/53

All: 1865.490+/-0.164 χ^2/NDF: 1206246.0/10

asym_atr_dd_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: 555.287+/-1290.081 χ^2/NDF: 24.9/23

Left Out: -637.720+/-946.866 χ^2/NDF:26.0/24

Right Out: 1977.922+/-1162.478 χ^2/NDF: 24.2/28

Left In: 75.789+/-980.241 χ^2/NDF:15.4/22

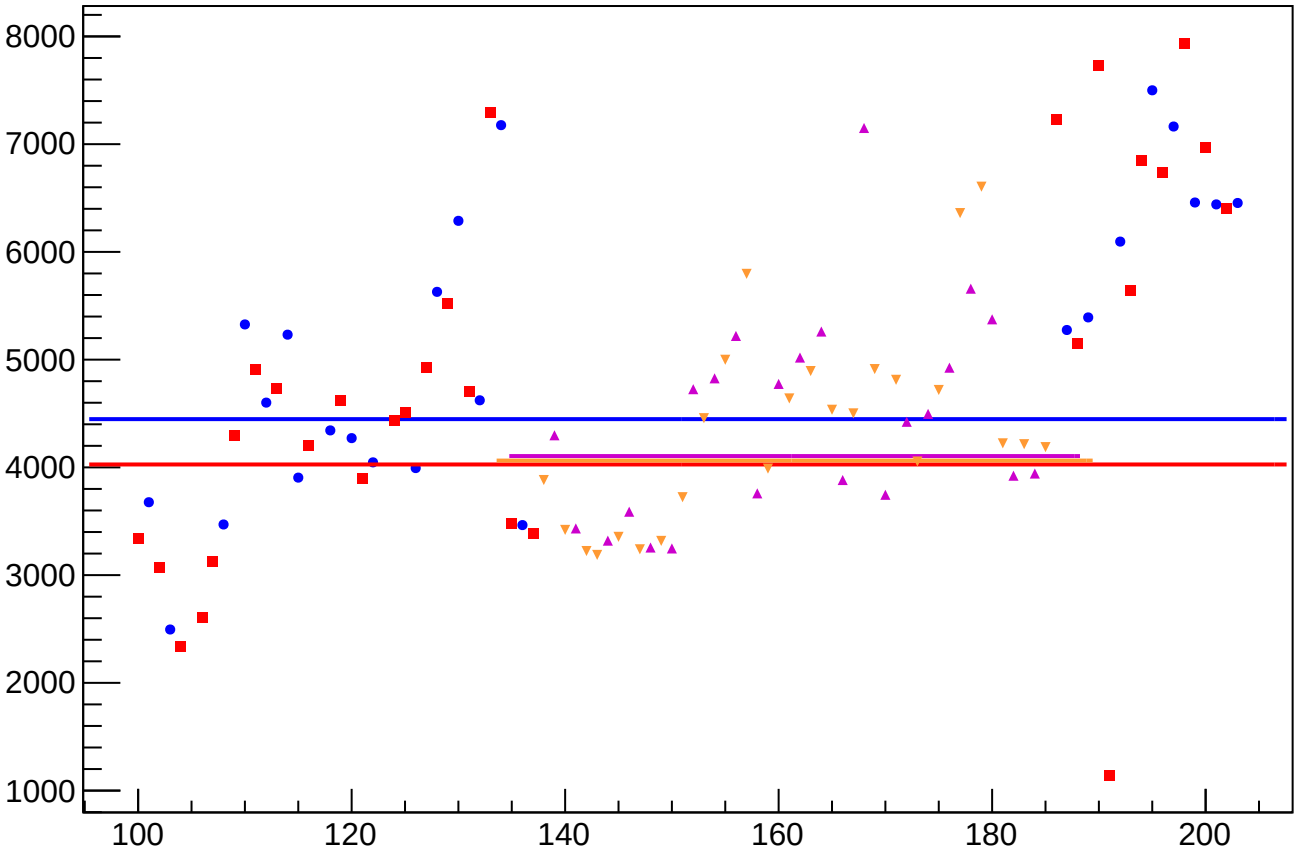
Left: -293.319+/-681.029 χ^2/NDF: 41.7/47

Right: 1340.422+/-863.595 χ^2/NDF: 49.8/52

In: 251.295+/-780.495 χ^2/NDF:40.5/46

Out: 405.501+/-734.148 χ^2/NDF:53.2/53

All: 333.112+/-534.756 χ^2/NDF: 93.7/100



Right In: 4447.887+/-0.912 χ^2/NDF: 2504600.8/23

Left Out: 4063.106+/-0.670 χ^2/NDF:1405030.5/24

Right Out: 4027.024+/-0.822 χ^2/NDF: 4428015.0/28

Left In: 4105.050+/-0.693 χ^2/NDF:1359501.9/22

Left: 4083.351+/-0.482 χ^2/NDF: 2766426.7/47

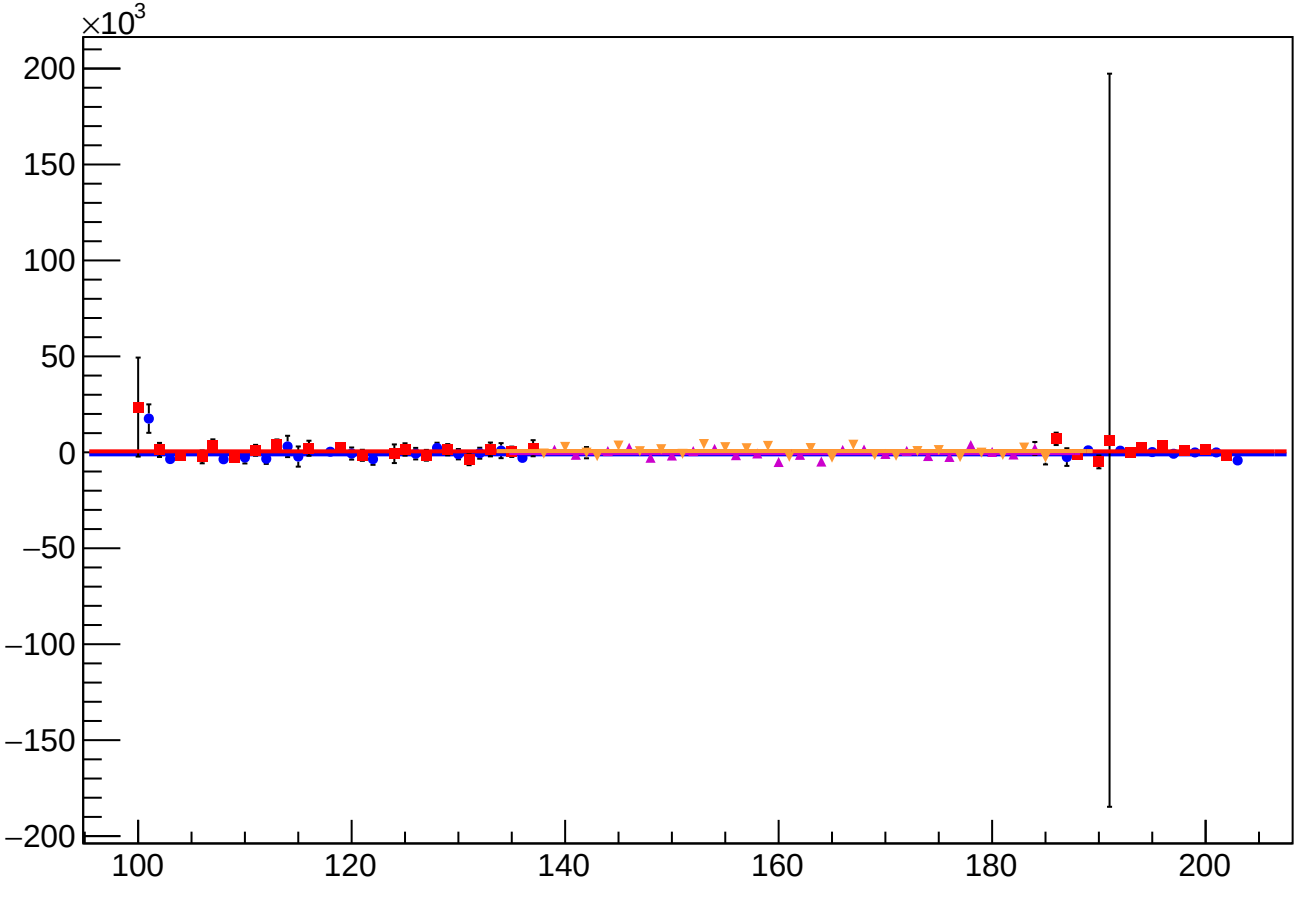
Right: 4215.618+/-0.611 χ^2/NDF: 7050086.3/52

In: 4230.536+/-0.552 χ^2/NDF:3953648.8/46

Out: 4048.715+/-0.519 χ^2/NDF:5834203.8/53

All: 4134.067+/-0.378 χ^2/NDF: 9845439.0/10

dit_asym_atr_dd_mean vs Slug, Sign Corrected



Right In: -1063.097+/-541.609 χ^2/NDF: 18.6/23

Left Out: 657.616+/-423.063 χ^2/NDF:27.0/24

Right Out: 512.043+/-520.269 χ^2/NDF: 22.5/28

Left In: -410.869+/-433.856 χ^2/NDF:23.6/22

Left: 136.829+/-302.895 χ^2/NDF: 53.8/47

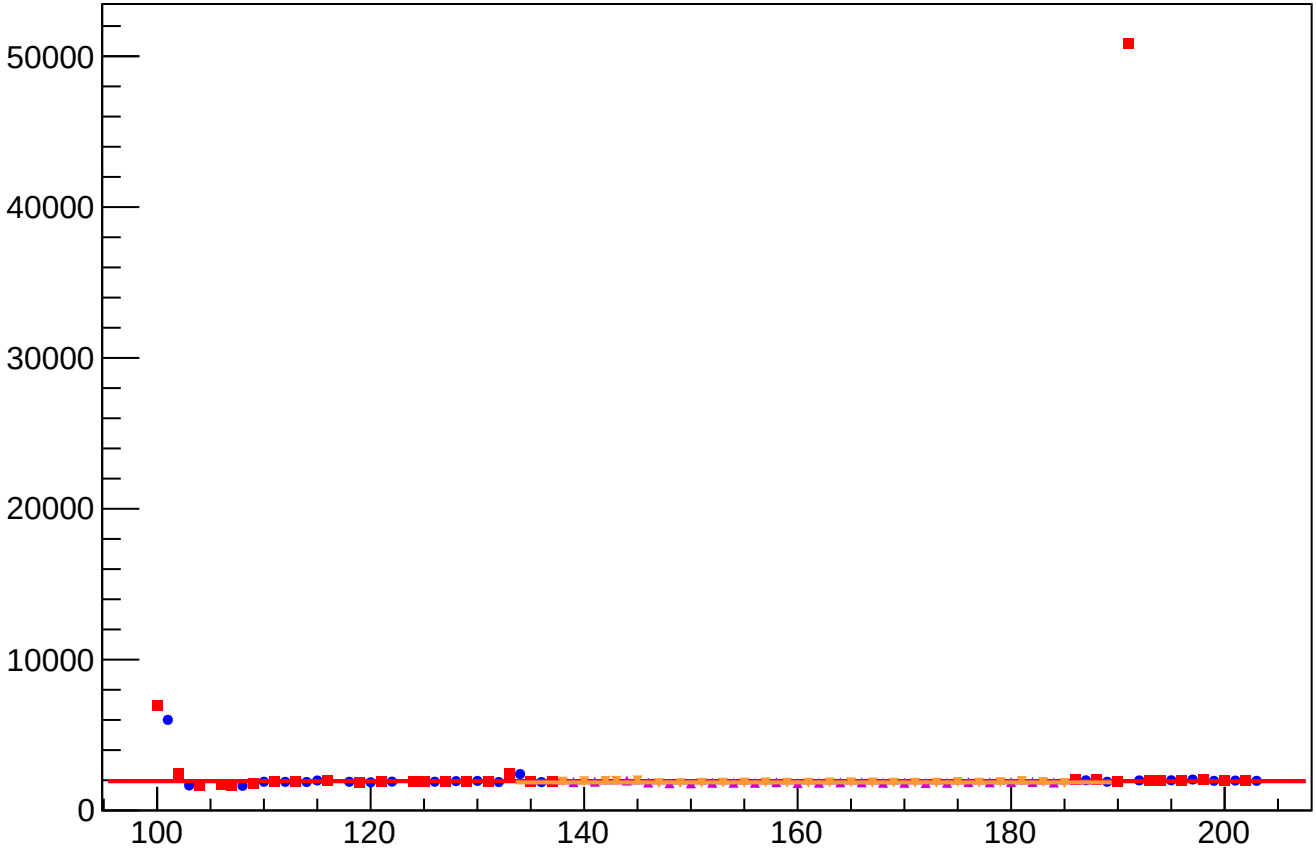
Right: -243.884+/-375.203 χ^2/NDF: 45.5/52

In: -665.804+/-338.611 χ^2/NDF:43.1/46

Out: 599.673+/-328.239 χ^2/NDF:49.6/53

All: -13.387+/-235.681 χ^2/NDF: 99.9/100

dit_asym_atr_dd_rms vs Slug, Sign Corrected



Right In: 1943.823+/-0.383 χ^2/NDF: 708722.7/23

Left Out: 1861.731+/-0.299 χ^2/NDF:26014.9/24

Right Out: 1944.758+/-0.368 χ^2/NDF: 389186.4/28

Left In: 1857.661+/-0.307 χ^2/NDF:16381.0/22

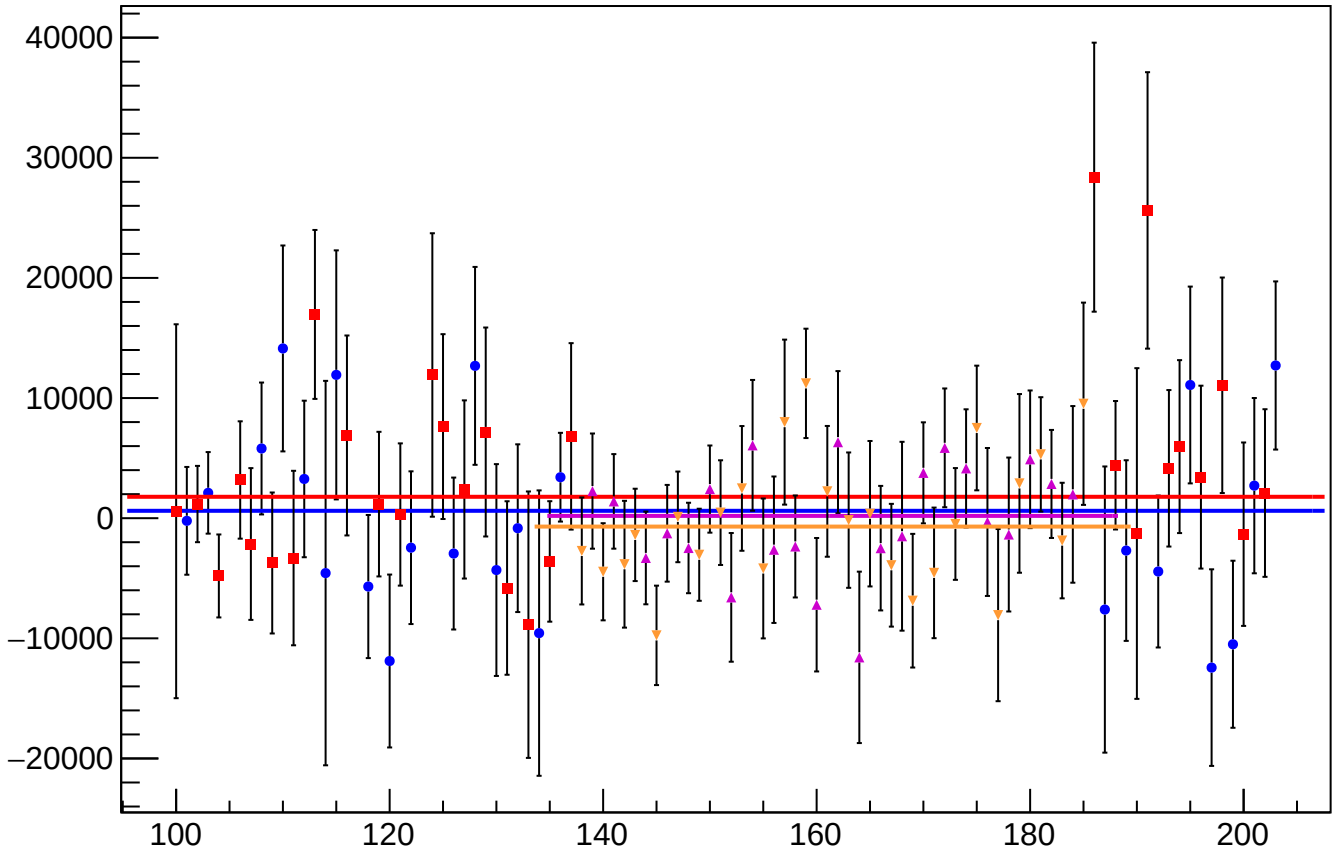
Left: 1859.747+/-0.214 χ^2/NDF: 42486.2/47

Right: 1944.310+/-0.265 χ^2/NDF: 1097912.1/52

In: 1891.339+/-0.239 χ^2/NDF:755935.8/46

Out: 1894.802+/-0.232 χ^2/NDF:445883.6/53

All: 1893.124+/-0.167 χ^2/NDF: 1201927.3/10



Right In: 614.959+/-1307.086 χ^2/NDF: 24.7/23

Left Out: -698.287+/-990.035 χ^2/NDF:25.3/24

Right Out: 1781.728+/-1196.747 χ^2/NDF: 27.9/28

Left In: 192.486+/-1022.469 χ^2/NDF:15.2/22

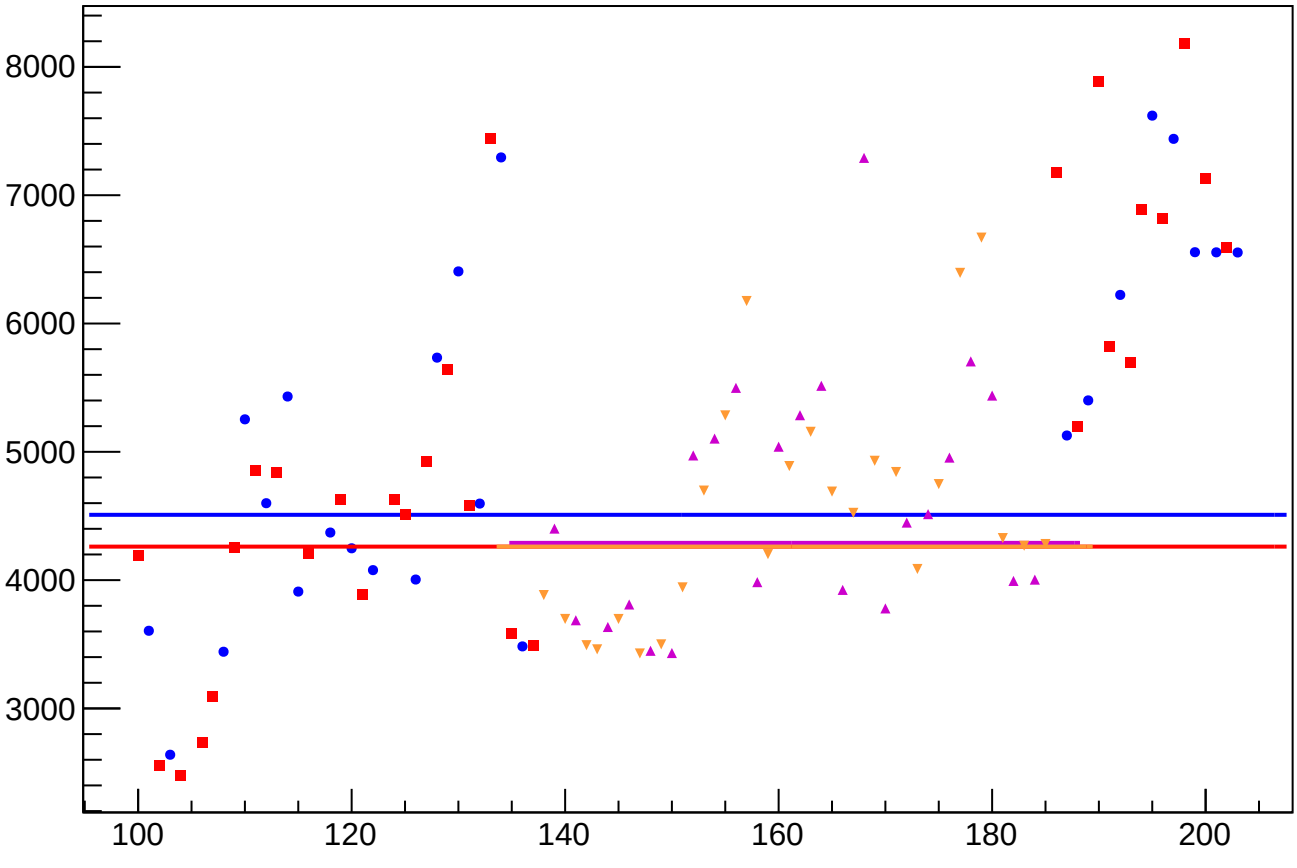
Left: -267.253+/-711.250 χ^2/NDF: 40.9/47

Right: 1249.661+/-882.663 χ^2/NDF: 53.0/52

In: 352.865+/-805.340 χ^2/NDF:39.9/46

Out: 309.365+/-762.835 χ^2/NDF:55.8/53

All: 329.937+/-553.823 χ^2/NDF: 95.7/100



Right In: 4509.058+/-0.924 χ^2/NDF: 2446238.0/23

Left Out: 4261.124+/-0.700 χ^2/NDF:1190561.4/24

Right Out: 4261.212+/-0.846 χ^2/NDF: 3563353.3/28

Left In: 4290.398+/-0.723 χ^2/NDF:1213964.7/22

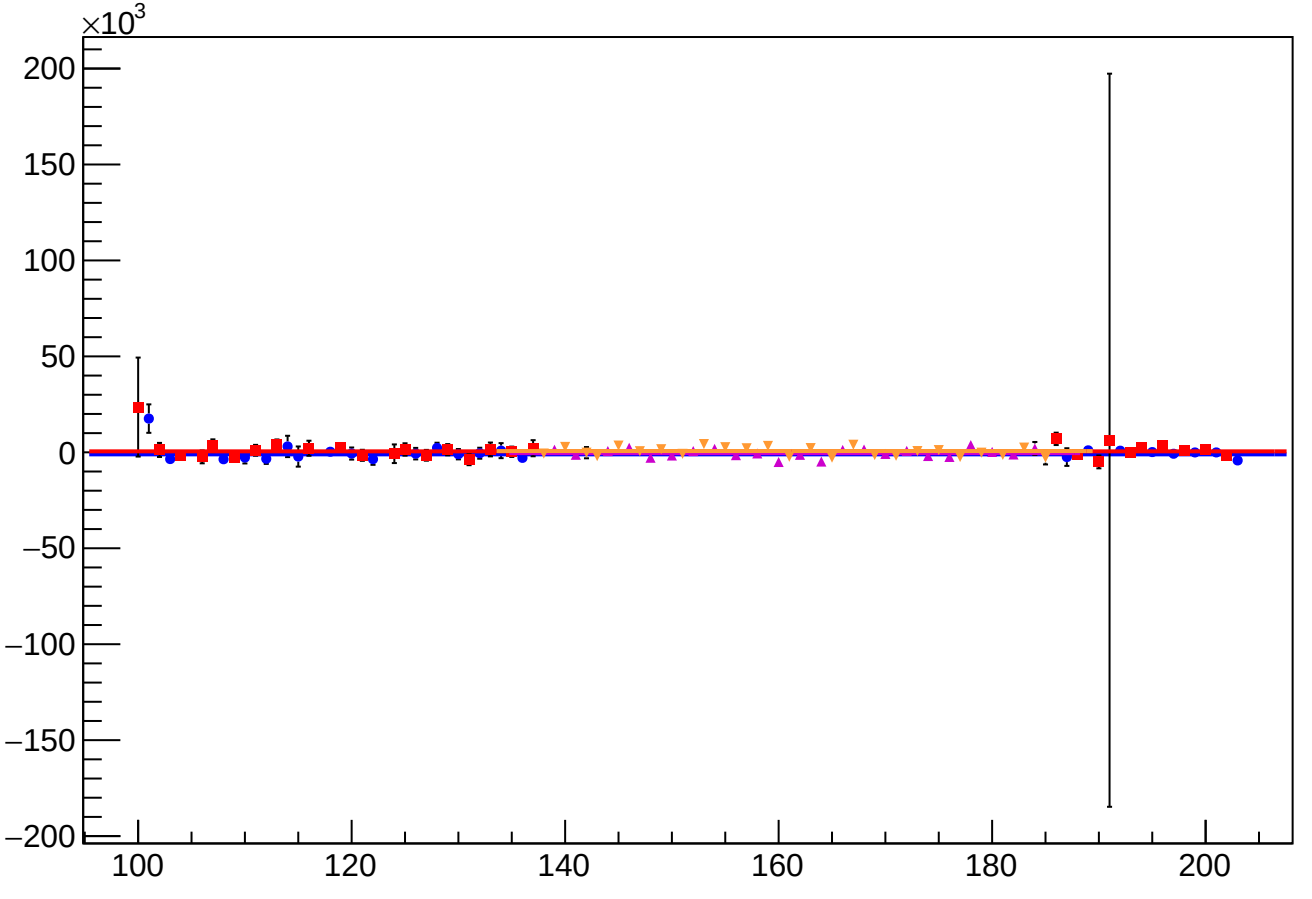
Left: 4275.289+/-0.503 χ^2/NDF: 2405372.2/47

Right: 4374.234+/-0.624 χ^2/NDF: 6048708.7/52

In: 4373.406+/-0.569 χ^2/NDF:3694925.8/46

Out: 4261.160+/-0.539 χ^2/NDF:4753914.7/53

All: 4314.243+/-0.392 χ^2/NDF: 8469318.8/10



Right In: -1063.097+/-541.609 χ^2/NDF: 18.6/23

Left Out: 657.622+/-423.063 χ^2/NDF:27.0/24

Right Out: 512.041+/-520.269 χ^2/NDF: 22.5/28

Left In: -410.869+/-433.856 χ^2/NDF:23.6/22

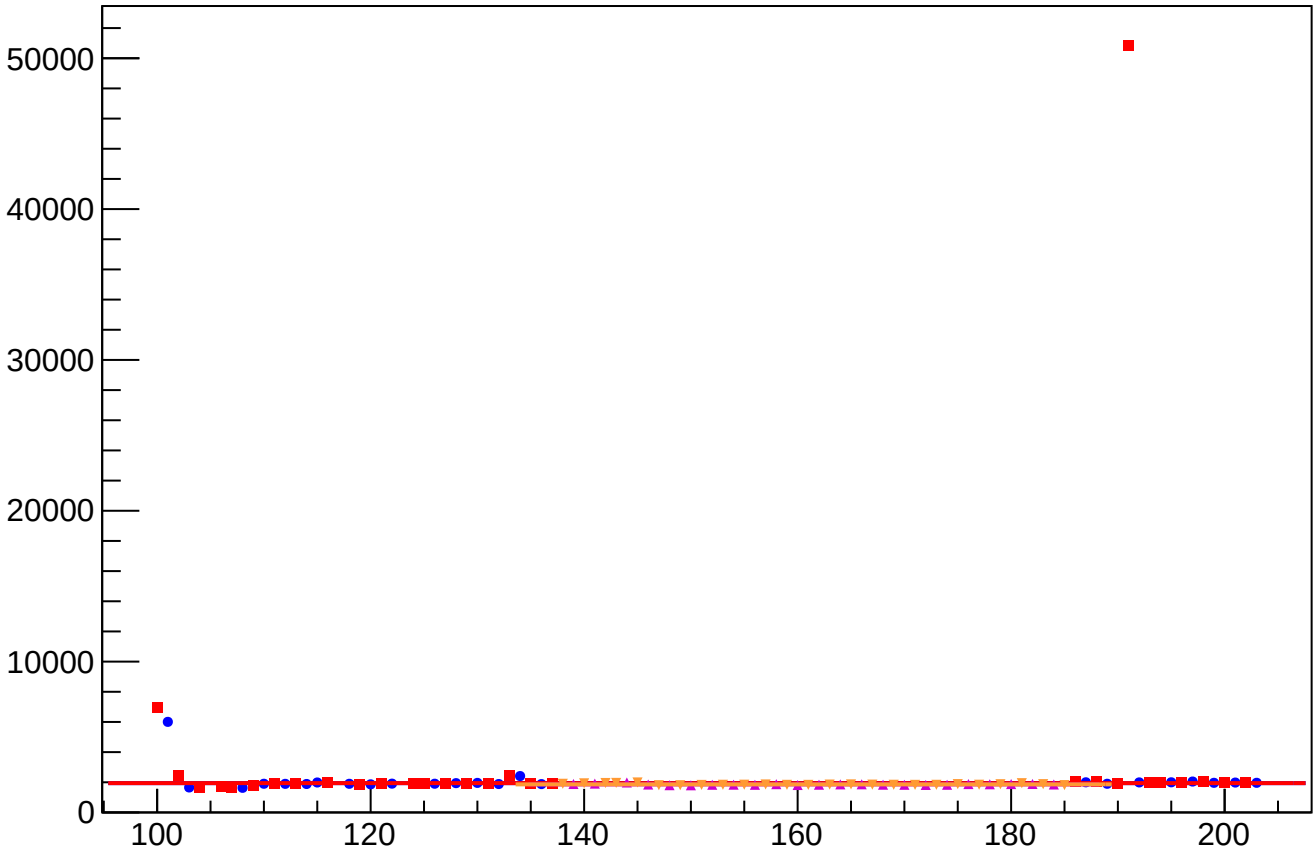
Left: 136.832+/-302.895 χ^2/NDF: 53.8/47

Right: -243.886+/-375.203 χ^2/NDF: 45.5/52

In: -665.804+/-338.611 χ^2/NDF:43.1/46

Out: 599.675+/-328.239 χ^2/NDF:49.6/53

All: -13.386+/-235.681 χ^2/NDF: 99.9/100



Right In: 1943.823+/-0.383 χ^2/NDF: 708722.5/23

Left Out: 1861.731+/-0.299 χ^2/NDF:26014.9/24

Right Out: 1944.759+/-0.368 χ^2/NDF: 389186.5/28

Left In: 1857.661+/-0.307 χ^2/NDF:16380.9/22

Left: 1859.748+/-0.214 χ^2/NDF: 42486.0/47

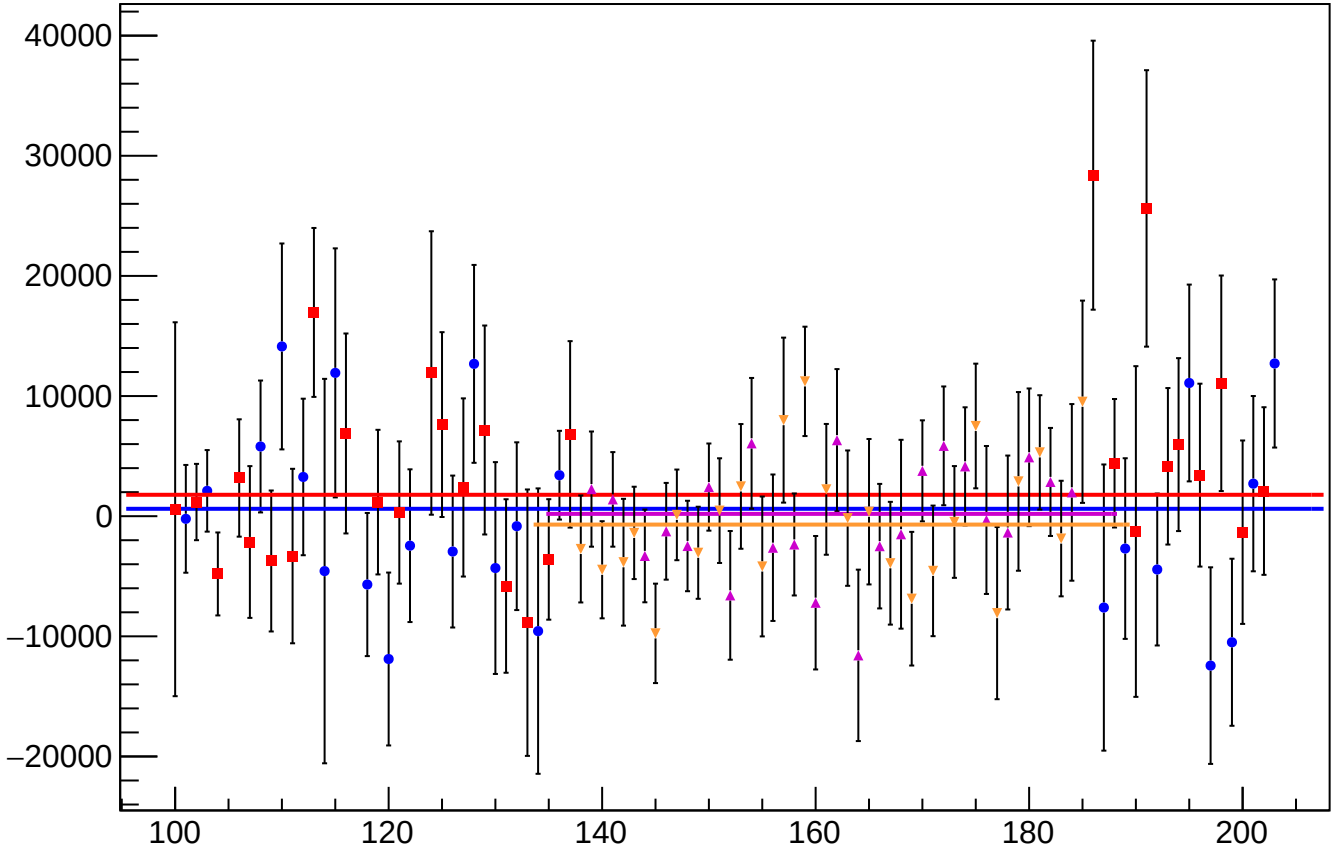
Right: 1944.310+/-0.265 χ^2/NDF: 1097912.2/52

In: 1891.339+/-0.239 χ^2/NDF:755935.1/46

Out: 1894.802+/-0.232 χ^2/NDF:445883.5/53

All: 1893.125+/-0.167 χ^2/NDF: 1201926.5/10

asym_atr_dd_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: 614.948+/-1307.085 χ^2/NDF: 24.7/23

Left Out: -698.285+/-990.036 χ^2/NDF:25.3/24

Right Out: 1781.725+/-1196.747 χ^2/NDF: 27.9/28

Left In: 192.488+/-1022.471 χ^2/NDF:15.2/22

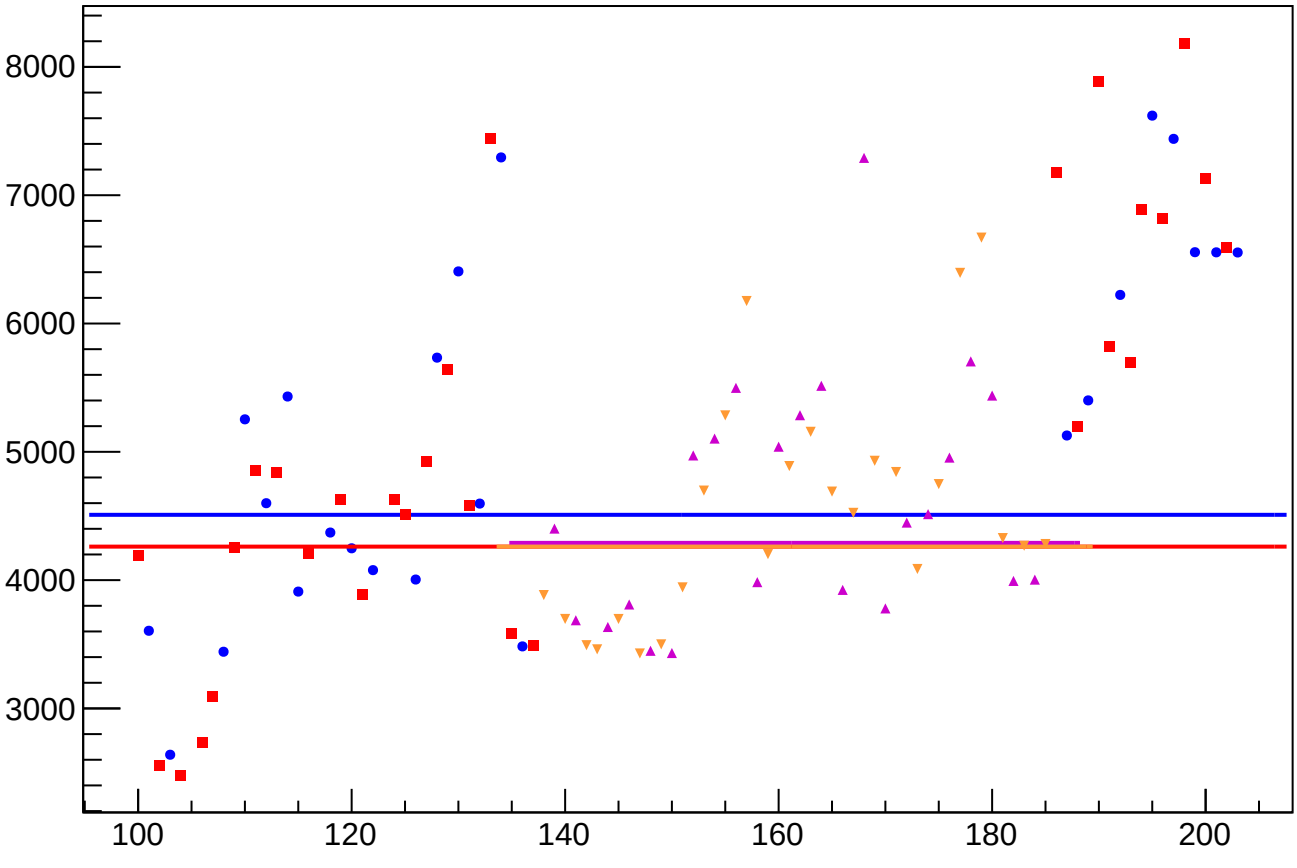
Left: -267.251+/-711.252 χ^2/NDF: 40.9/47

Right: 1249.655+/-882.662 χ^2/NDF: 53.0/52

In: 352.863+/-805.340 χ^2/NDF:39.9/46

Out: 309.368+/-762.836 χ^2/NDF:55.8/53

All: 329.937+/-553.823 χ^2/NDF: 95.7/100



Right In: 4509.056+/-0.924 χ^2/NDF: 2446240.0/23

Left Out: 4261.131+/-0.700 χ^2/NDF:1190564.2/24

Right Out: 4261.209+/-0.846 χ^2/NDF: 3563354.3/28

Left In: 4290.404+/-0.723 χ^2/NDF:1213970.5/22

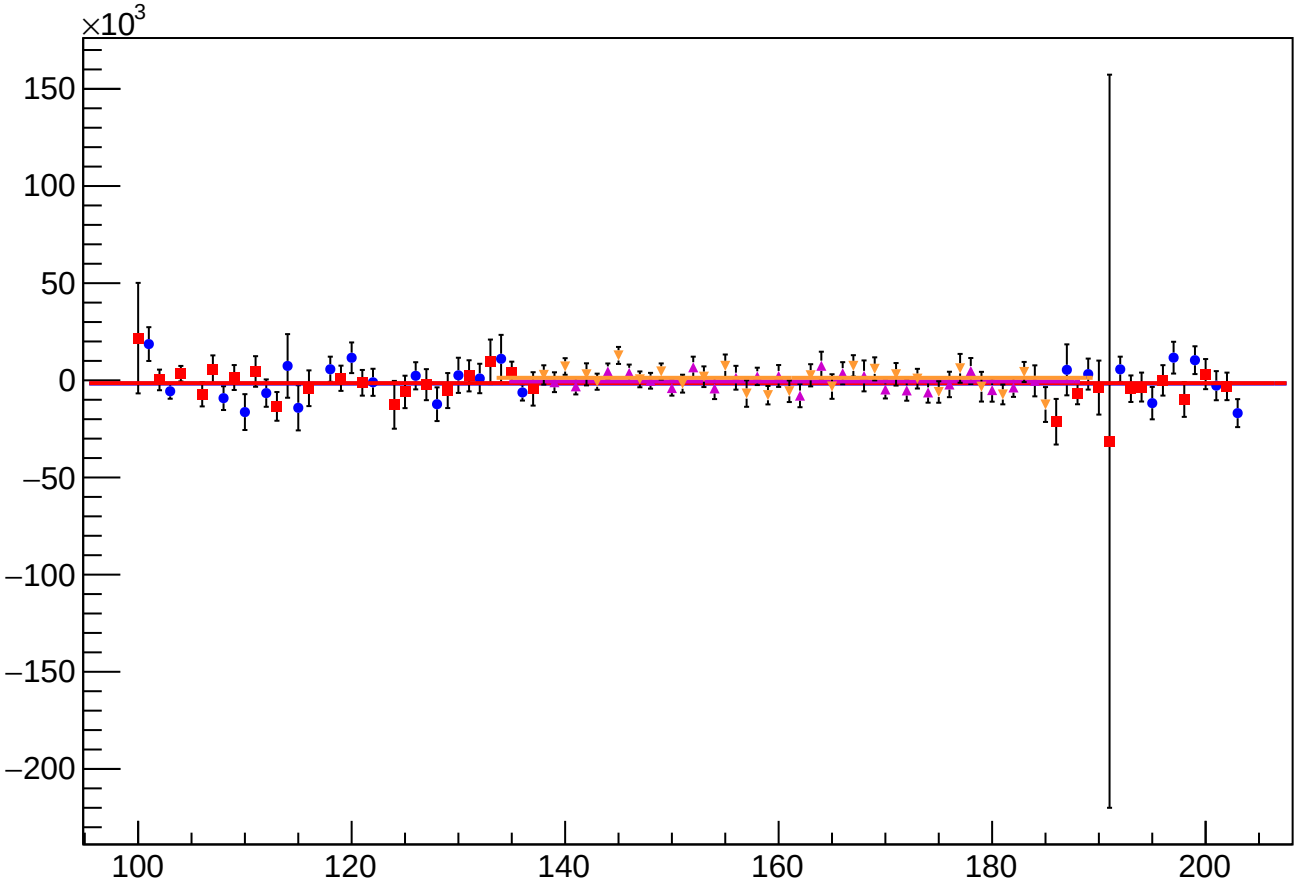
Left: 4275.296+/-0.503 χ^2/NDF: 2405380.8/47

Right: 4374.232+/-0.624 χ^2/NDF: 6048712.0/52

In: 4373.409+/-0.569 χ^2/NDF:3694931.0/46

Out: 4261.163+/-0.539 χ^2/NDF:4753918.5/53

All: 4314.246+/-0.392 χ^2/NDF: 8469328.0/10



Right In: -1659.978+/-1459.857 χ^2/NDF: 34.4/23

Left Out: 1298.373+/-1049.555 χ^2/NDF:28.5/24

Right Out: -1447.219+/-1376.664 χ^2/NDF: 16.5/28

Left In: -576.442+/-1082.127 χ^2/NDF:14.4/22

Left: 389.606+/-753.400 χ^2/NDF: 44.4/47

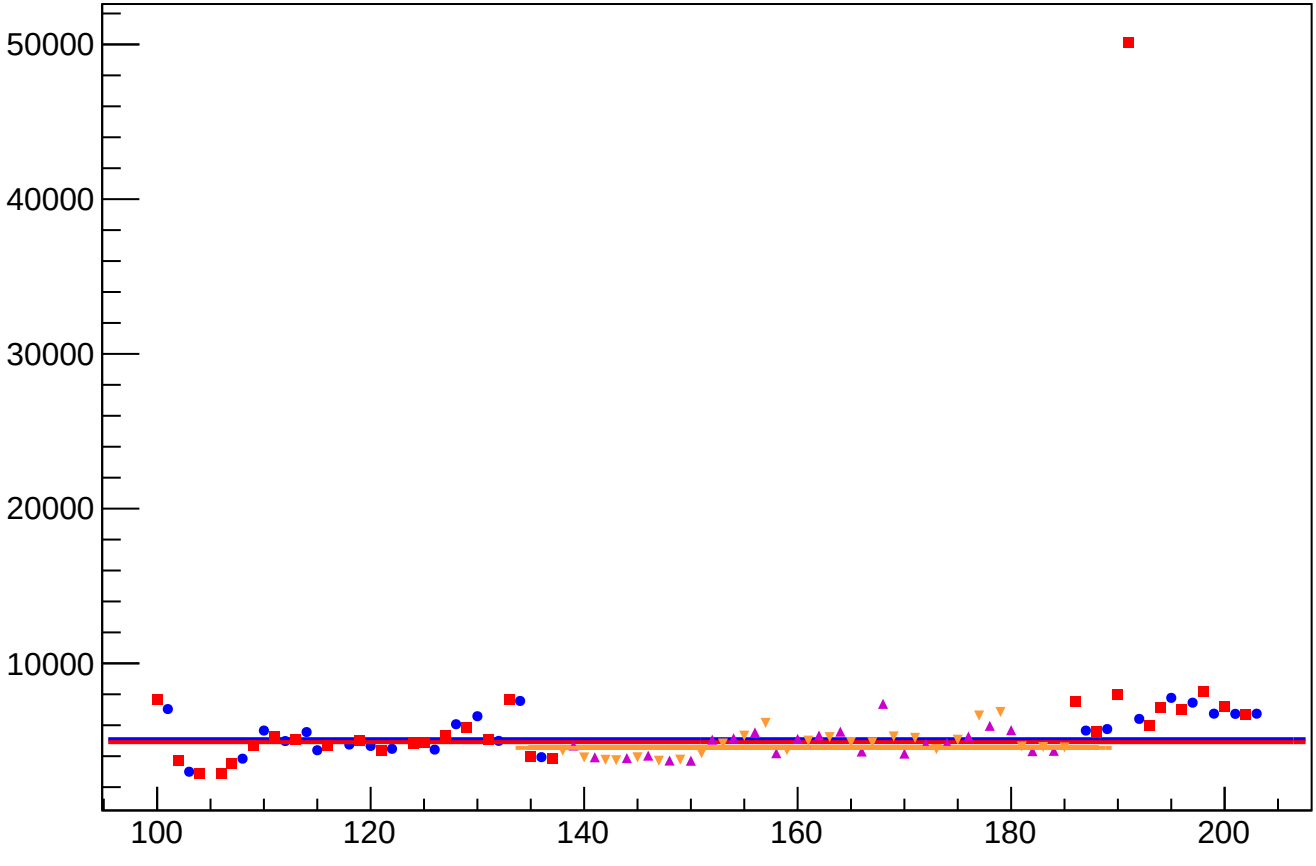
Right: -1547.364+/-1001.568 χ^2/NDF: 51.0/52

In: -960.679+/-869.337 χ^2/NDF:49.2/46

Out: 289.136+/-834.654 χ^2/NDF:47.5/53

All: -310.343+/-602.078 χ^2/NDF: 97.8/100

asym_atr_dd_rms vs Slug, Sign Corrected



Right In: 5097.336+/-1.032 χ^2/NDF: 1933663.6/23

Left Out: 4537.934+/-0.742 χ^2/NDF:992905.4/24

Right Out: 4906.835+/-0.968 χ^2/NDF: 2529676.8/28

Left In: 4560.506+/-0.765 χ^2/NDF:980201.3/22

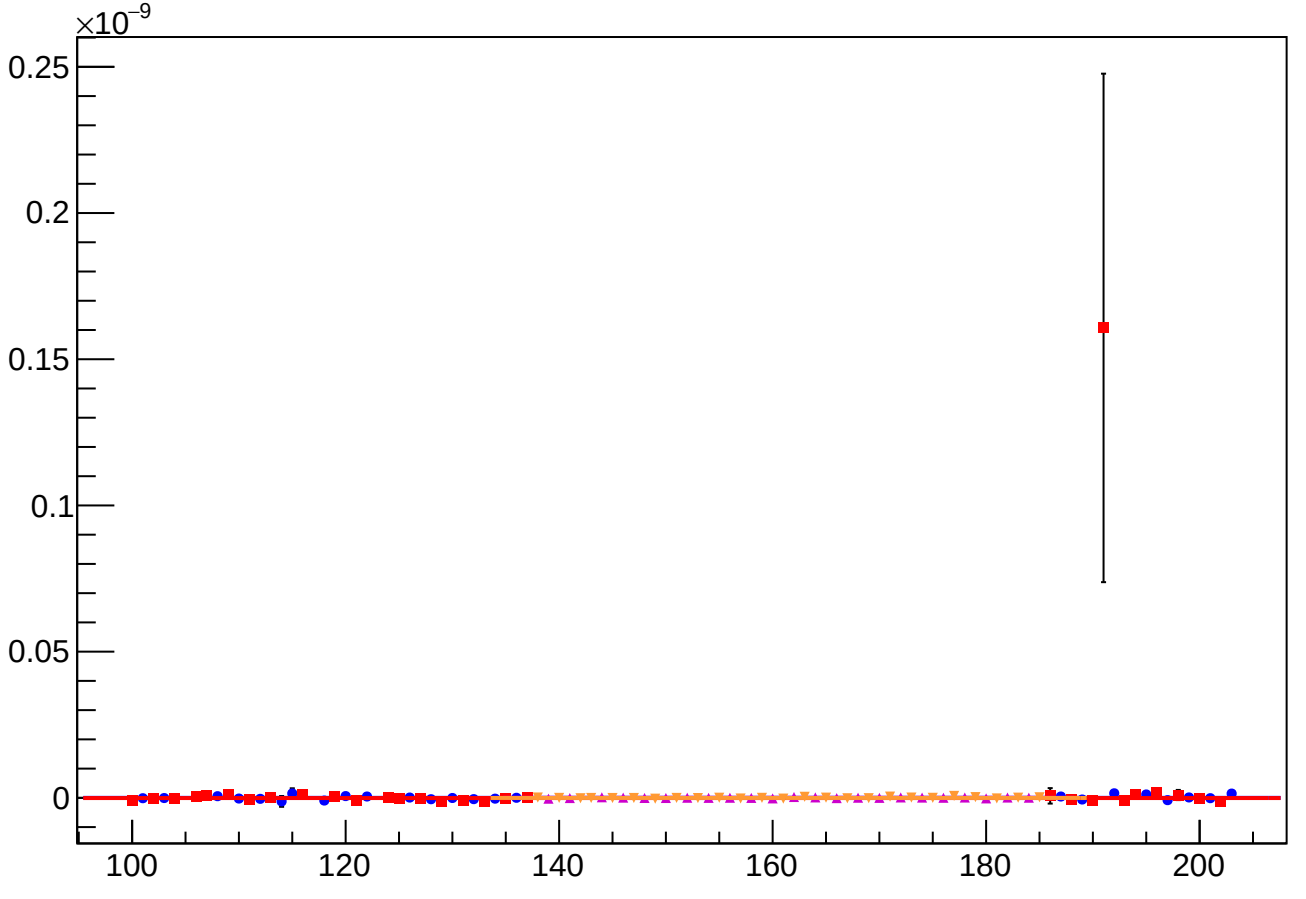
Left: 4548.875+/-0.533 χ^2/NDF: 1973555.1/47

Right: 4995.942+/-0.706 χ^2/NDF: 4481467.1/52

In: 4750.874+/-0.615 χ^2/NDF:3088408.2/46

Out: 4674.552+/-0.589 χ^2/NDF:3614085.5/53

All: 4711.077+/-0.425 χ^2/NDF: 6710531.7/10



Right In: -0.000+/-0.000 χ^2/NDF: 21.2/23

Left Out: -0.000+/-0.000 χ^2/NDF:37.9/24

Right Out: -0.000+/-0.000 χ^2/NDF: 35.6/28

Left In: 0.000+/-0.000 χ^2/NDF:20.6/22

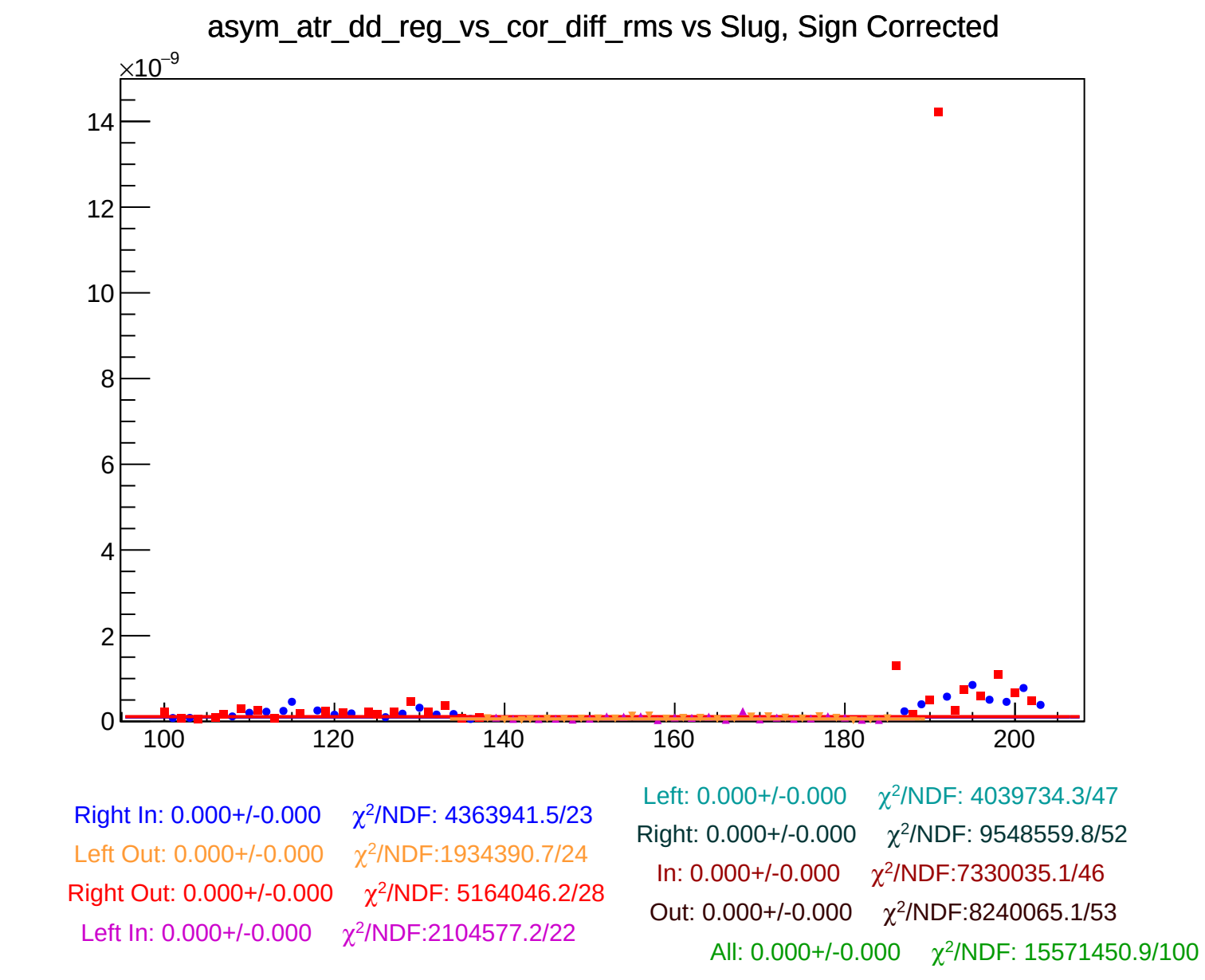
Left: -0.000+/-0.000 χ^2/NDF: 60.1/47

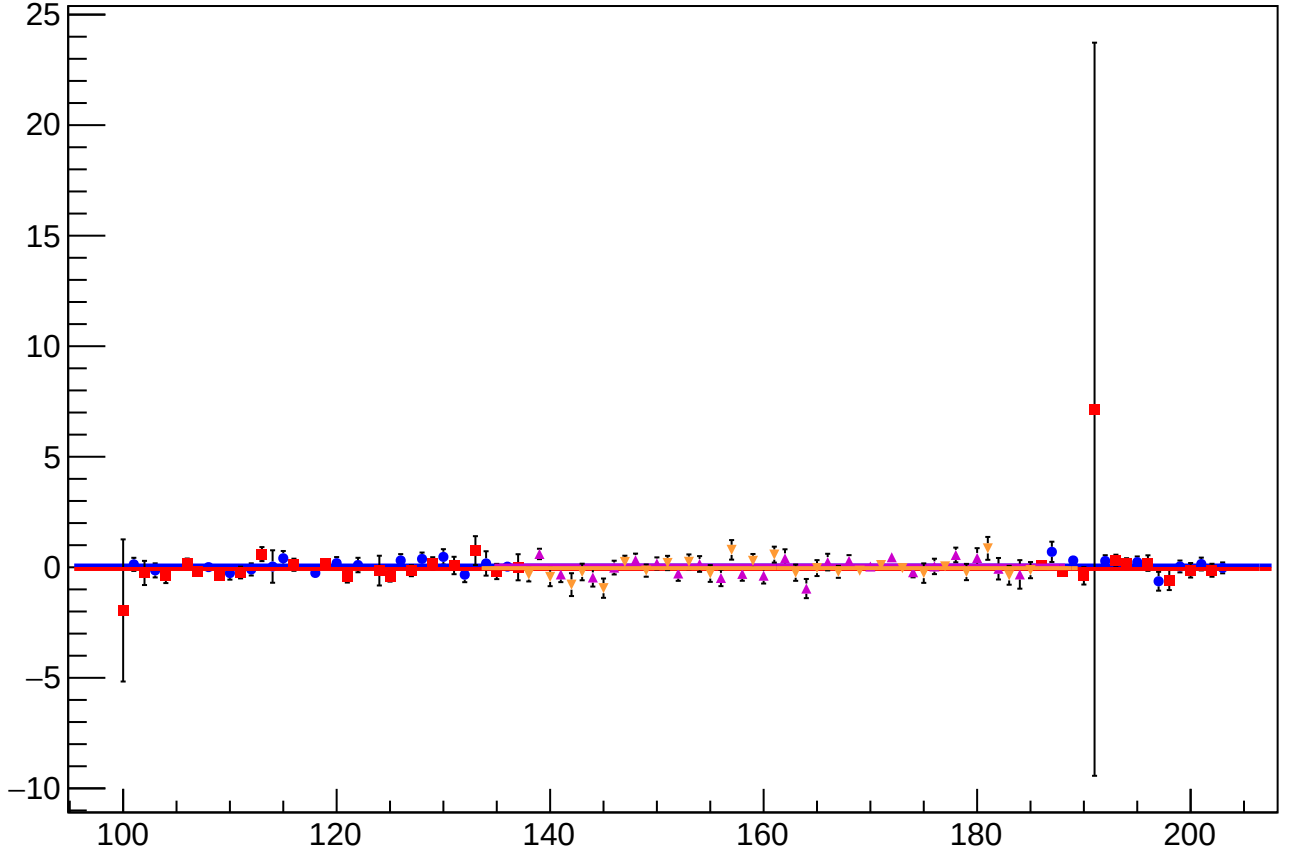
Right: -0.000+/-0.000 χ^2/NDF: 57.4/52

In: 0.000+/-0.000 χ^2/NDF:41.9/46

Out: -0.000+/-0.000 χ^2/NDF:73.8/53

All: -0.000+/-0.000 χ^2/NDF: 117.7/100


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: 4363941.5/23
Left Out: 0.000+/-0.000 χ²/NDF:1934390.7/24
Right Out: 0.000+/-0.000 χ²/NDF: 5164046.2/28
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: 9548559.8/52
In: 0.000+/-0.000 χ²/NDF:7330035.1/46
Out: 0.000+/-0.000 χ²/NDF:8240065.1/53
All: 0.000+/-0.000 χ²/NDF: 15571450.9/100



Right In: 0.080+/-0.057 χ^2/NDF: 18.1/23

Left Out: -0.038+/-0.062 χ^2/NDF:24.4/24

Right Out: -0.076+/-0.052 χ^2/NDF: 24.8/28

Left In: 0.078+/-0.065 χ^2/NDF:31.1/22

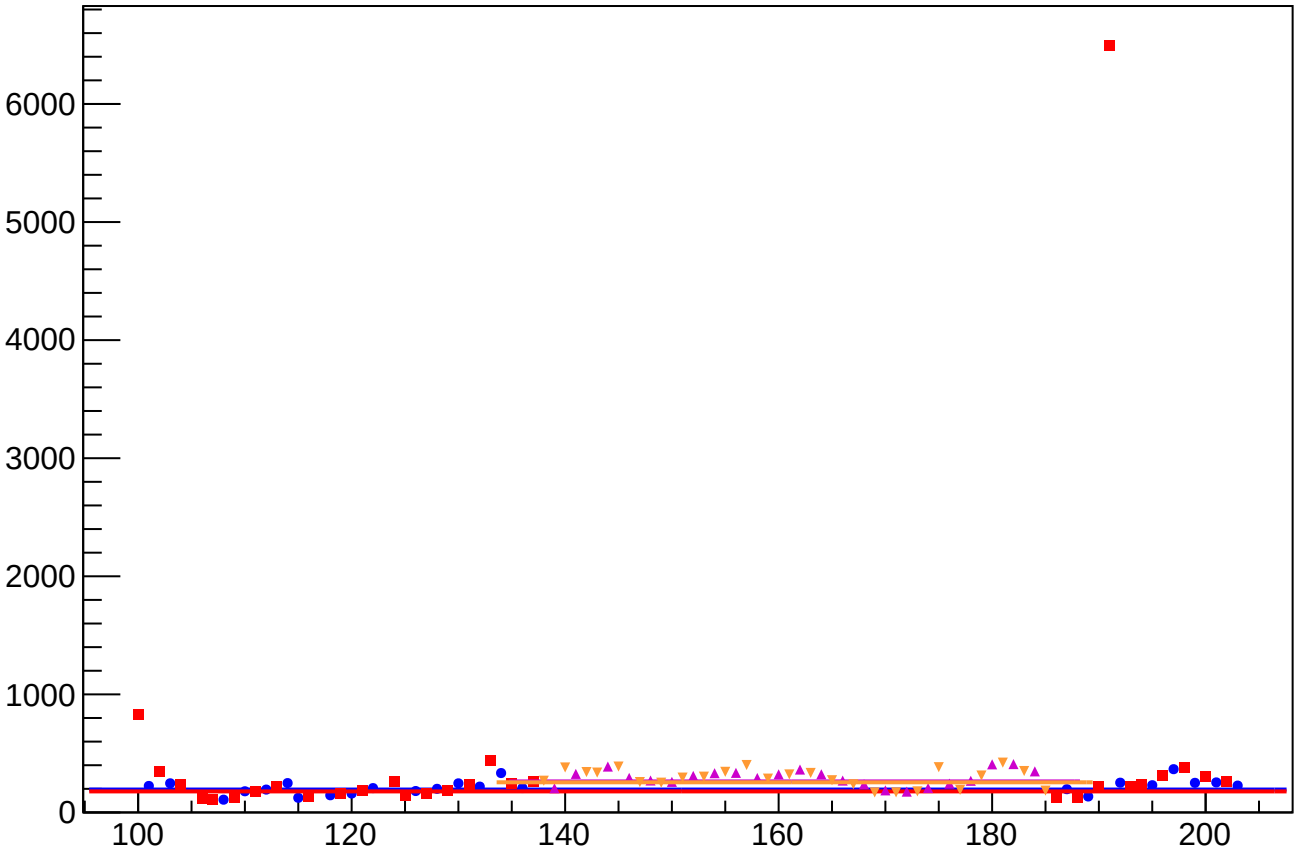
Left: 0.017+/-0.045 χ^2/NDF: 57.2/47

Right: -0.005+/-0.038 χ^2/NDF: 47.0/52

In: 0.079+/-0.043 χ^2/NDF:49.2/46

Out: -0.061+/-0.040 χ^2/NDF:49.4/53

All: 0.004+/-0.029 χ^2/NDF: 104.4/100



Right In: 194.101+/-0.040 χ^2/NDF: 1862563.8/23

Left Out: 255.355+/-0.044 χ^2/NDF:2935324.6/24

Right Out: 178.243+/-0.037 χ^2/NDF: 3492817.3/28

Left In: 262.788+/-0.046 χ^2/NDF:2025363.4/22

Left: 258.898+/-0.032 χ^2/NDF: 4974421.6/47

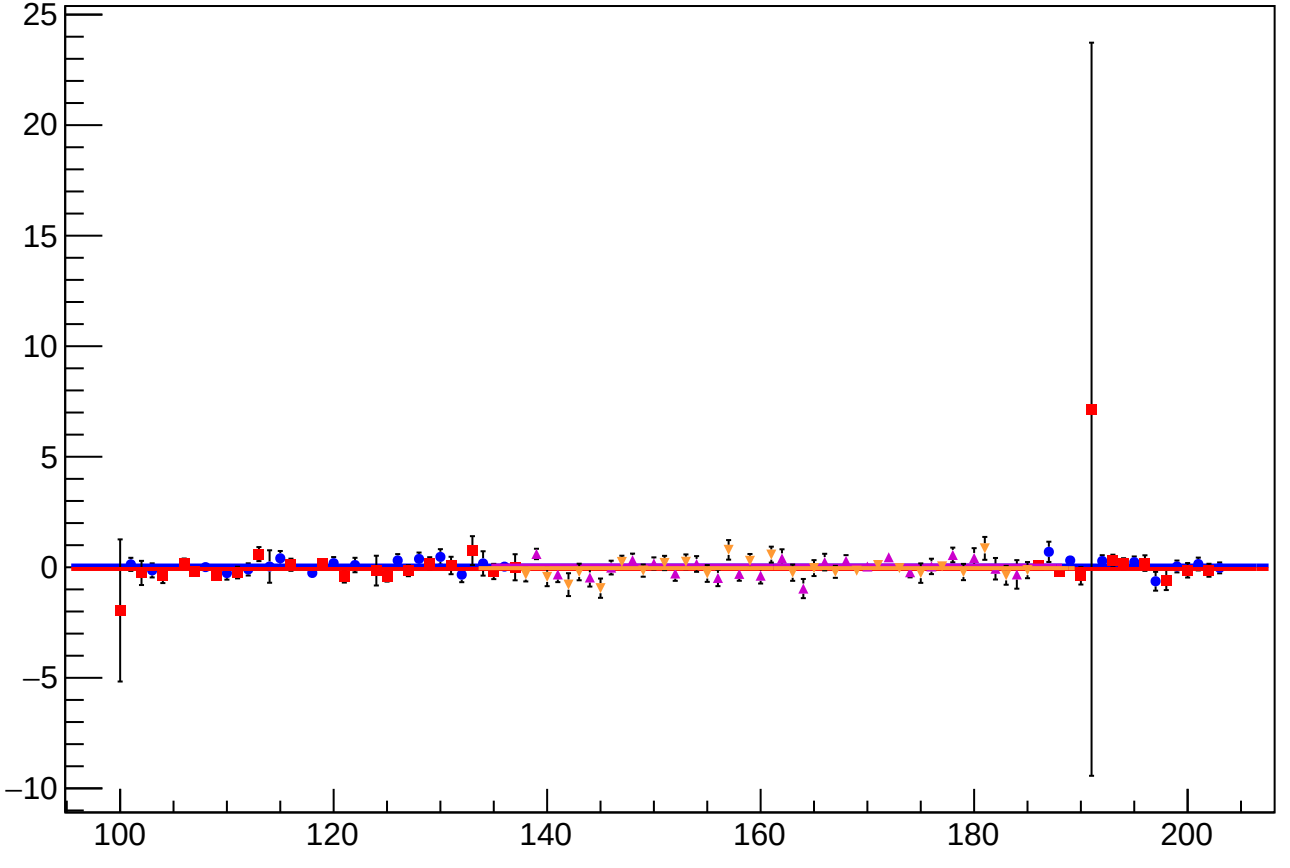
Right: 185.488+/-0.027 χ^2/NDF: 5439838.0/52

In: 223.943+/-0.030 χ^2/NDF:5155410.3/46

Out: 210.250+/-0.028 χ^2/NDF:8242329.4/53

All: 216.621+/-0.021 χ^2/NDF: 13507362.7/10

asym_atr_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.080+/-0.057 χ^2/NDF: 18.1/23

Left Out: -0.038+/-0.062 χ^2/NDF:24.4/24

Right Out: -0.076+/-0.052 χ^2/NDF: 24.8/28

Left In: 0.078+/-0.065 χ^2/NDF:31.1/22

Left: 0.017+/-0.045 χ^2/NDF: 57.2/47

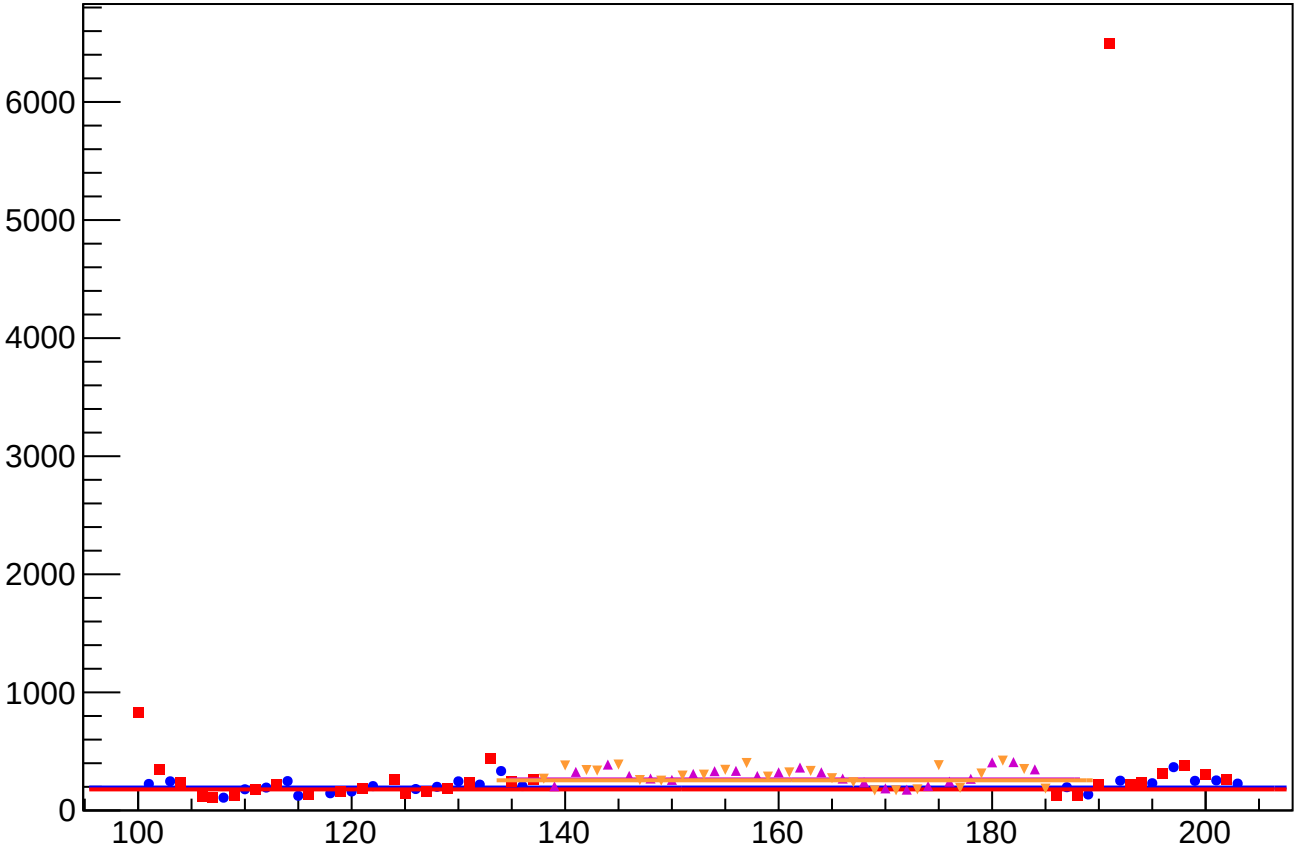
Right: -0.005+/-0.038 χ^2/NDF: 47.0/52

In: 0.079+/-0.043 χ^2/NDF:49.2/46

Out: -0.061+/-0.040 χ^2/NDF:49.4/53

All: 0.004+/-0.029 χ^2/NDF: 104.4/100

asym_atr_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 194.101+/-0.040 χ^2/NDF: 1862563.8/23

Left Out: 255.355+/-0.044 χ^2/NDF:2935324.6/24

Right Out: 178.243+/-0.037 χ^2/NDF: 3492817.3/28

Left In: 262.788+/-0.046 χ^2/NDF:2025363.4/22

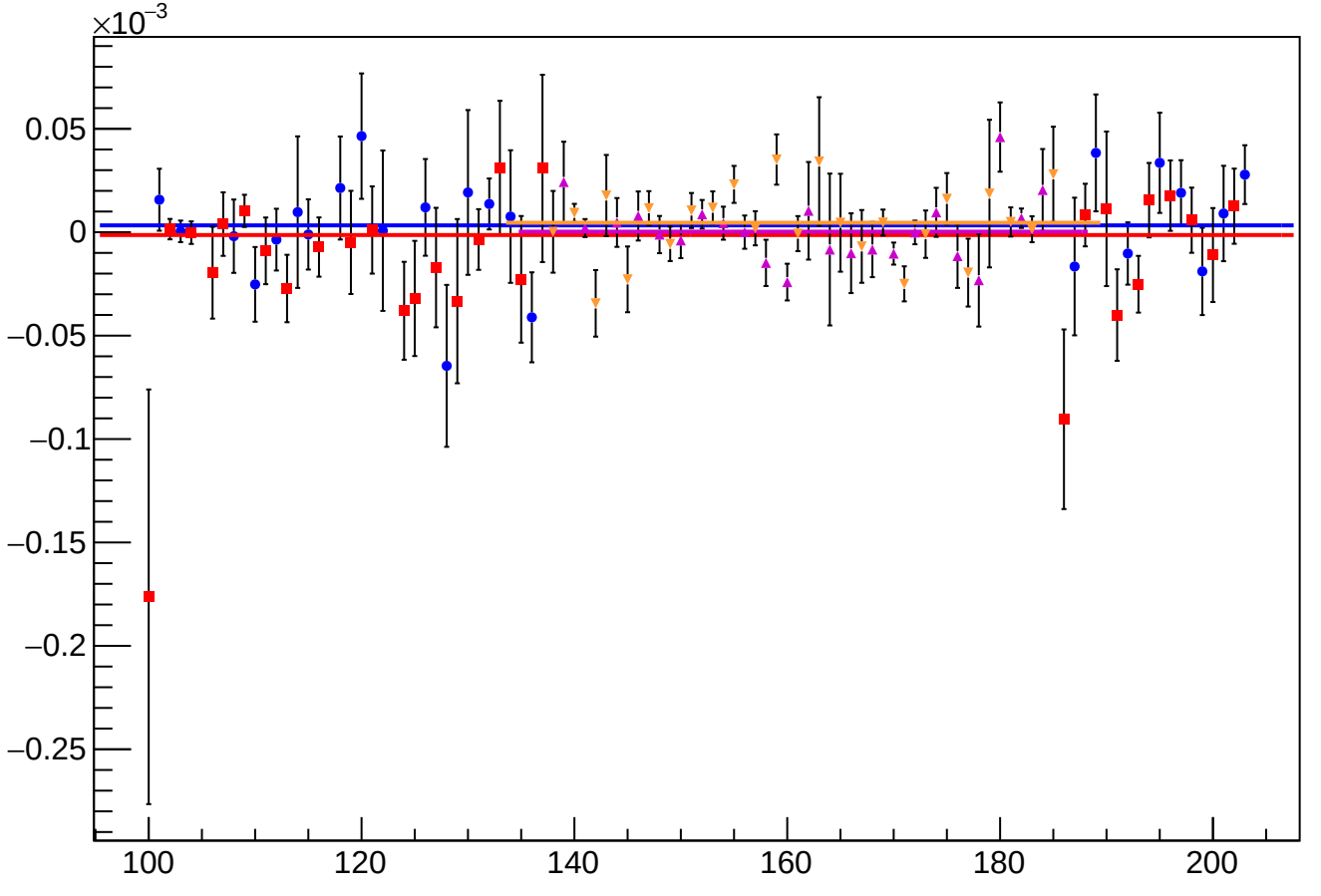
Left: 258.898+/-0.032 χ^2/NDF: 4974421.6/47

Right: 185.488+/-0.027 χ^2/NDF: 5439838.0/52

In: 223.943+/-0.030 χ^2/NDF:5155410.3/46

Out: 210.250+/-0.028 χ^2/NDF:8242329.4/53

All: 216.621+/-0.021 χ^2/NDF: 13507362.7/10



Right In: 0.000+/-0.000 χ^2/NDF: 24.1/23

Left Out: 0.000+/-0.000 χ^2/NDF:43.4/24

Right Out: -0.000+/-0.000 χ^2/NDF: 29.9/28

Left In: 0.000+/-0.000 χ^2/NDF:31.2/22

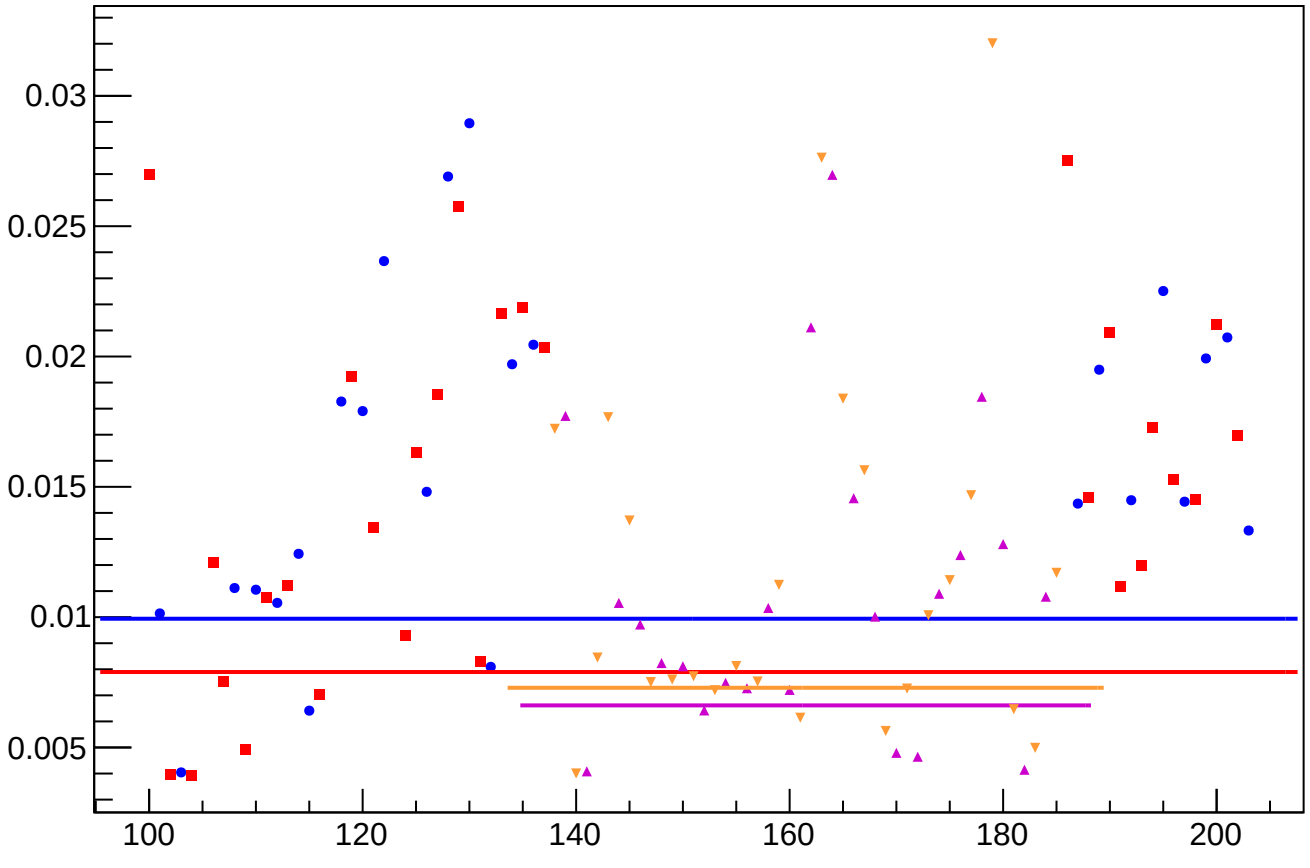
Left: 0.000+/-0.000 χ^2/NDF: 77.4/47

Right: 0.000+/-0.000 χ^2/NDF: 55.2/52

In: 0.000+/-0.000 χ^2/NDF:56.0/46

Out: 0.000+/-0.000 χ^2/NDF:76.8/53

All: 0.000+/-0.000 χ^2/NDF: 133.2/100



Right In: 0.010+/-0.000 χ^2/NDF: 7059996.6/23

Left Out: 0.007+/-0.000 χ^2/NDF:6772003.6/24

Right Out: 0.008+/-0.000 χ^2/NDF: 8998817.7/28

Left In: 0.007+/-0.000 χ^2/NDF:6410135.0/22

Left: 0.007+/-0.000 χ^2/NDF: 13317745.0/47

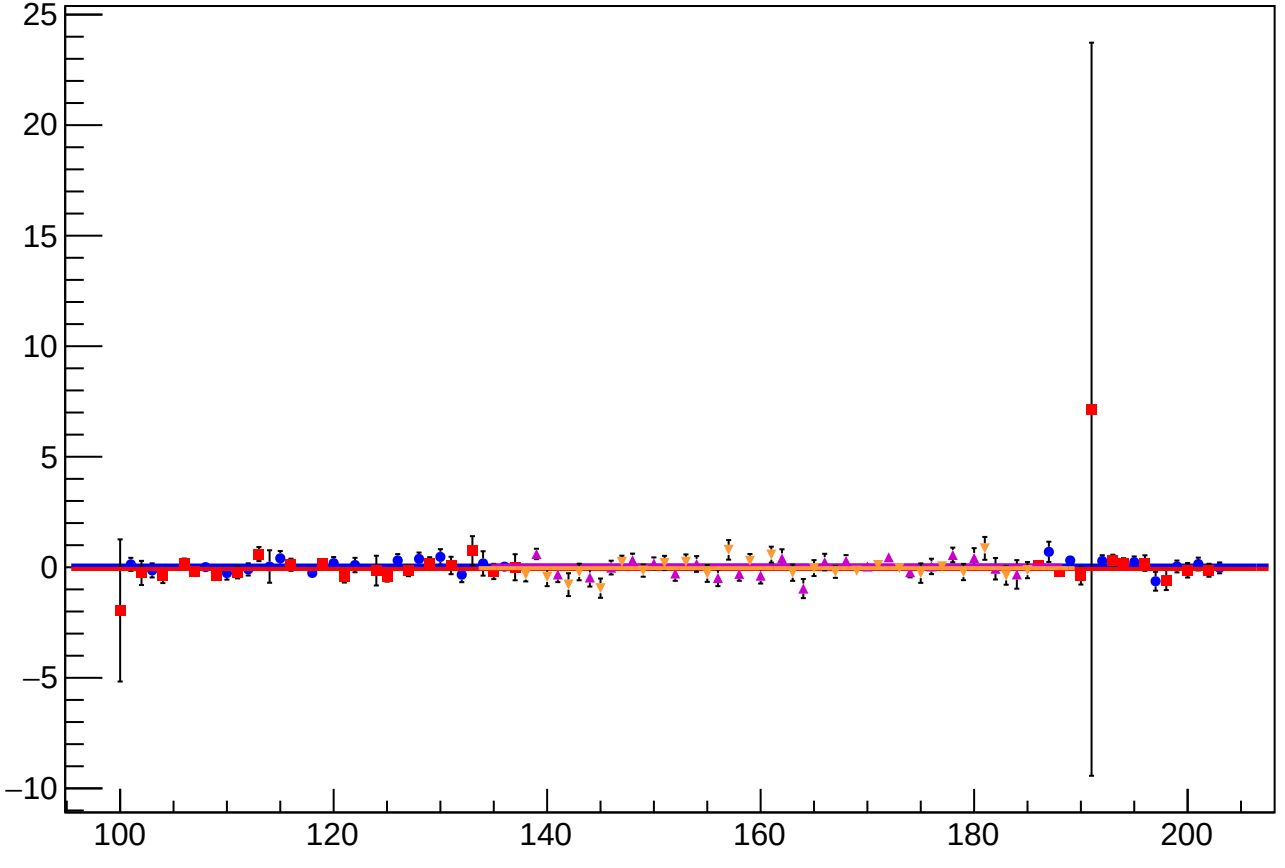
Right: 0.009+/-0.000 χ^2/NDF: 16546952.4/52

In: 0.007+/-0.000 χ^2/NDF:15063234.9/46

Out: 0.008+/-0.000 χ^2/NDF:15843836.4/53

All: 0.007+/-0.000 χ^2/NDF: 30912811.2/100

asym_atr_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.080+/-0.057 χ^2/NDF: 18.1/23

Left Out: -0.038+/-0.062 χ^2/NDF:24.4/24

Right Out: -0.076+/-0.052 χ^2/NDF: 24.8/28

Left In: 0.078+/-0.065 χ^2/NDF:31.1/22

Left: 0.017+/-0.045 χ^2/NDF: 57.2/47

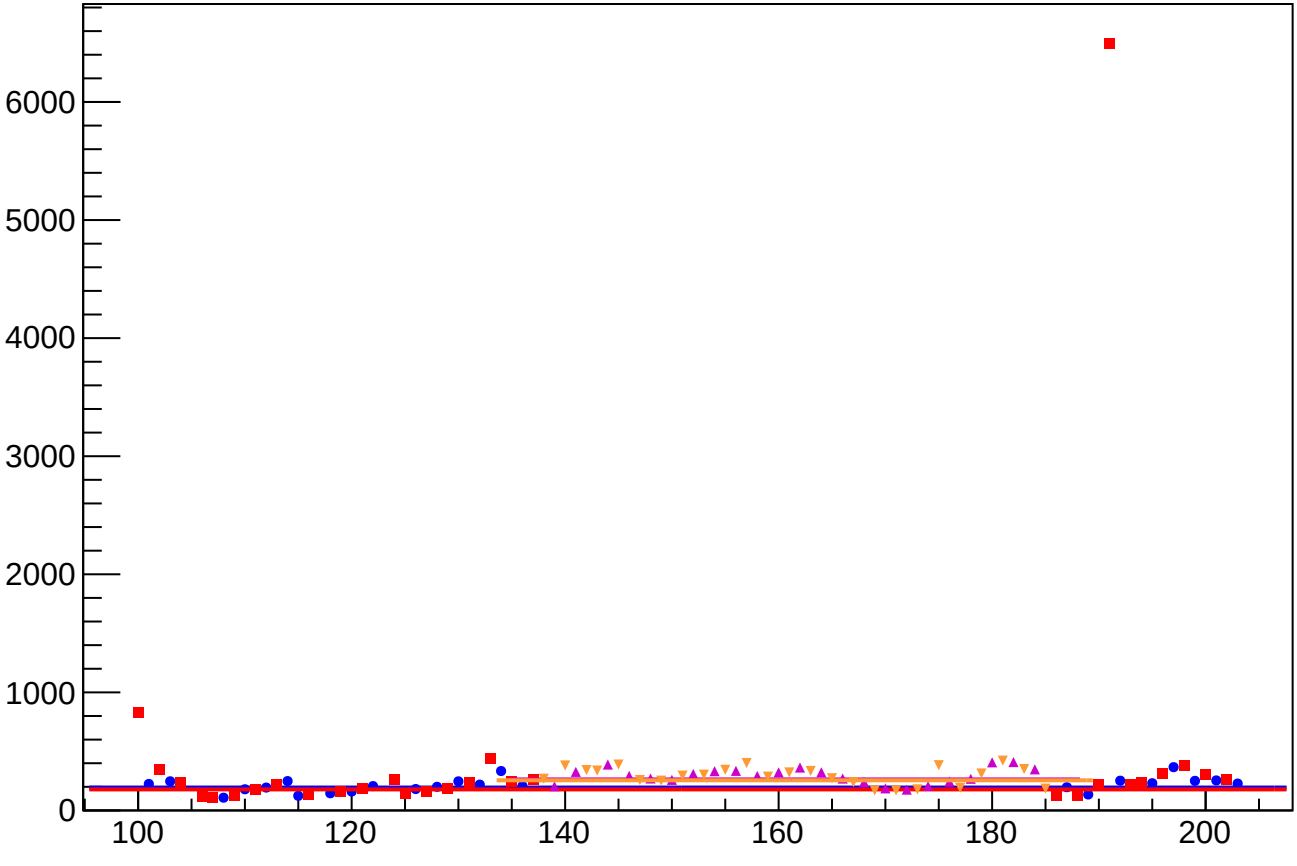
Right: -0.005+/-0.038 χ^2/NDF: 47.0/52

In: 0.079+/-0.043 χ^2/NDF:49.2/46

Out: -0.061+/-0.040 χ^2/NDF:49.4/53

All: 0.004+/-0.029 χ^2/NDF: 104.4/100

asym_atr_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 194.101+/-0.040 χ^2/NDF: 1862572.5/23

Left Out: 255.357+/-0.044 χ^2/NDF:2935428.4/24

Right Out: 178.244+/-0.037 χ^2/NDF: 3492771.3/28

Left In: 262.790+/-0.046 χ^2/NDF:2025402.0/22

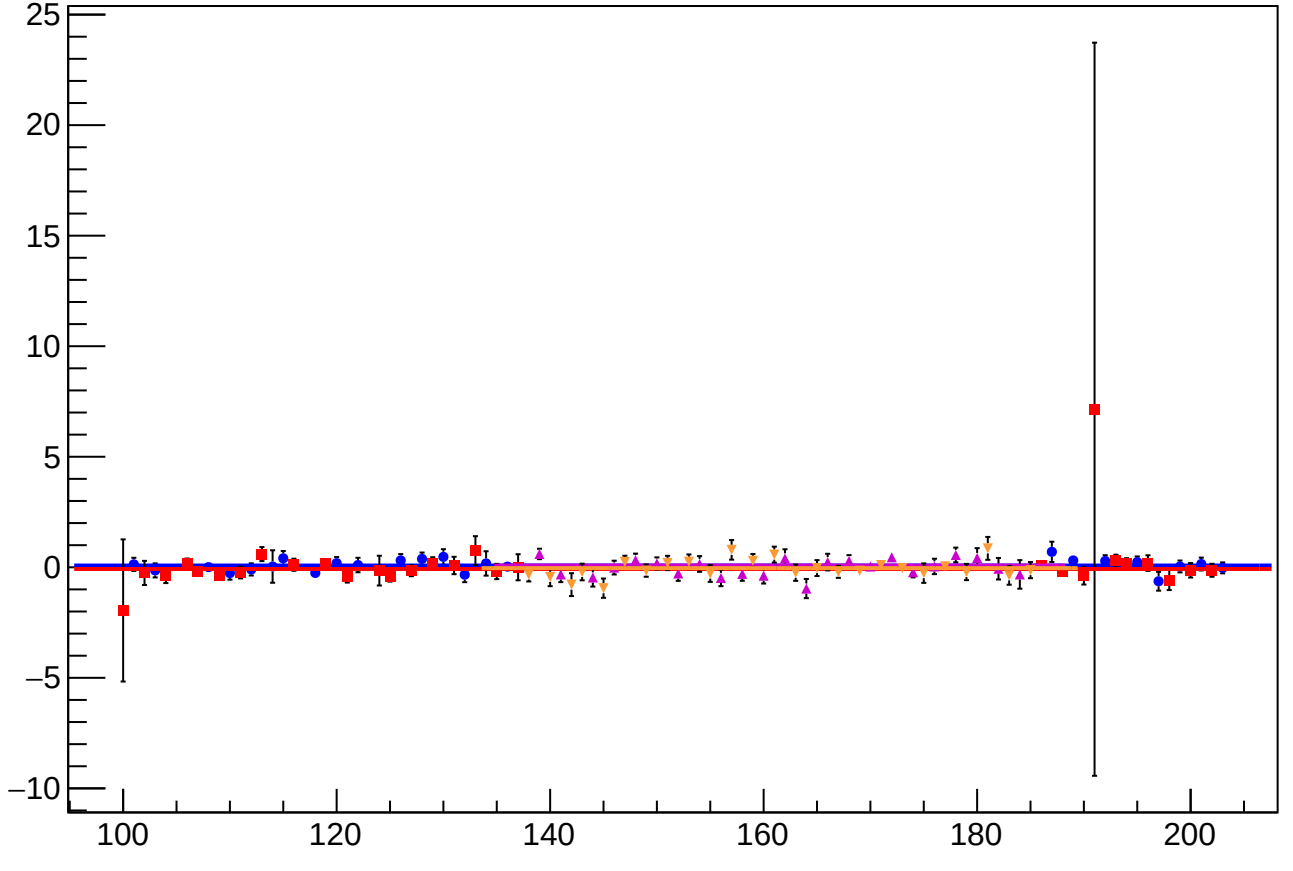
Left: 258.900+/-0.032 χ^2/NDF: 4974565.9/47

Right: 185.489+/-0.027 χ^2/NDF: 5439785.0/52

In: 223.944+/-0.030 χ^2/NDF:5155538.4/46

Out: 210.252+/-0.028 χ^2/NDF:8242385.0/53

All: 216.622+/-0.021 χ^2/NDF: 13507531.6/10



Right In: 0.080+/-0.057 χ^2/NDF: 18.1/23

Left Out: -0.038+/-0.062 χ^2/NDF:24.4/24

Right Out: -0.076+/-0.052 χ^2/NDF: 24.8/28

Left In: 0.078+/-0.065 χ^2/NDF:31.1/22

Left: 0.017+/-0.045 χ^2/NDF: 57.2/47

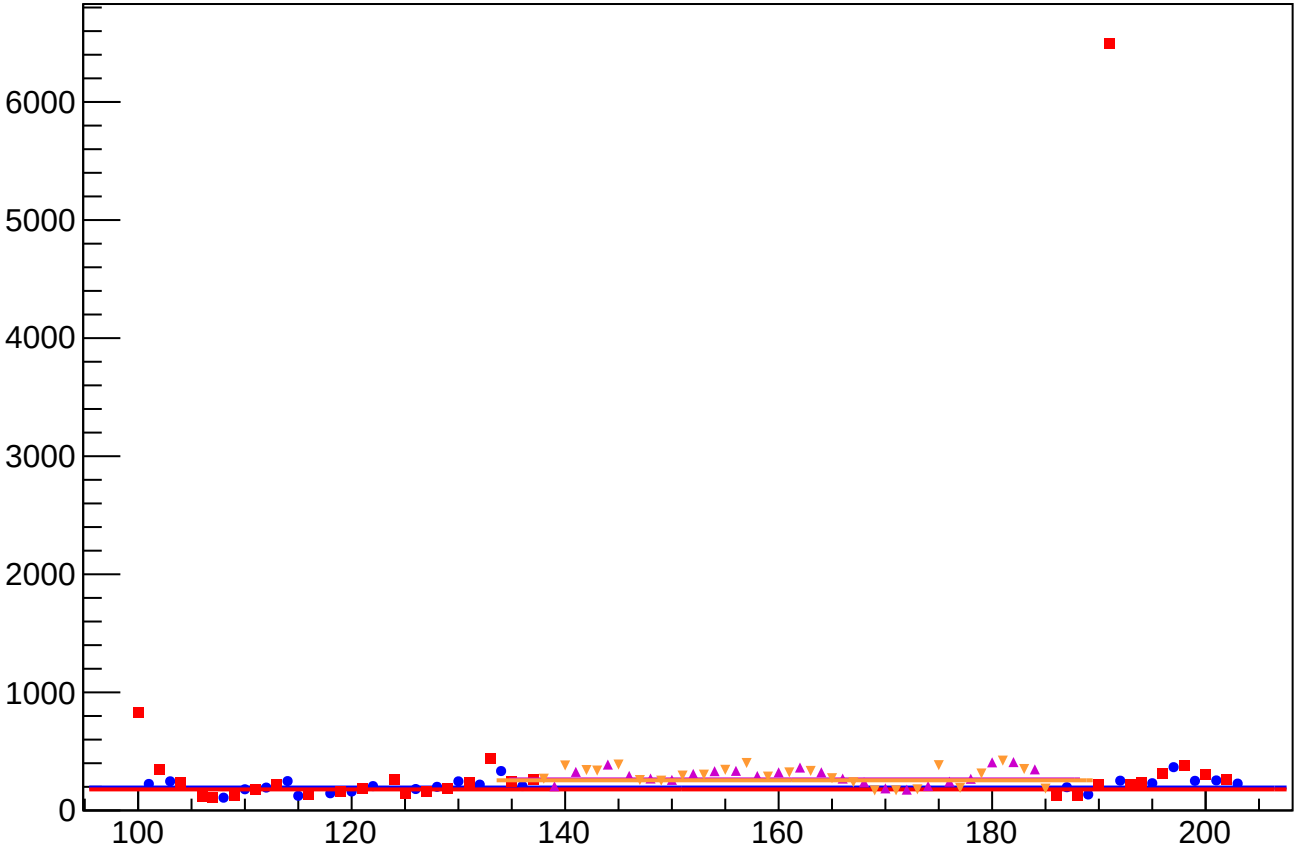
Right: -0.005+/-0.038 χ^2/NDF: 47.0/52

In: 0.079+/-0.043 χ^2/NDF:49.2/46

Out: -0.061+/-0.040 χ^2/NDF:49.4/53

All: 0.004+/-0.029 χ^2/NDF: 104.4/100

asym_atr_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 194.101+/-0.040 χ^2/NDF: 1862572.5/23

Left Out: 255.357+/-0.044 χ^2/NDF:2935428.4/24

Right Out: 178.244+/-0.037 χ^2/NDF: 3492771.3/28

Left In: 262.790+/-0.046 χ^2/NDF:2025402.0/22

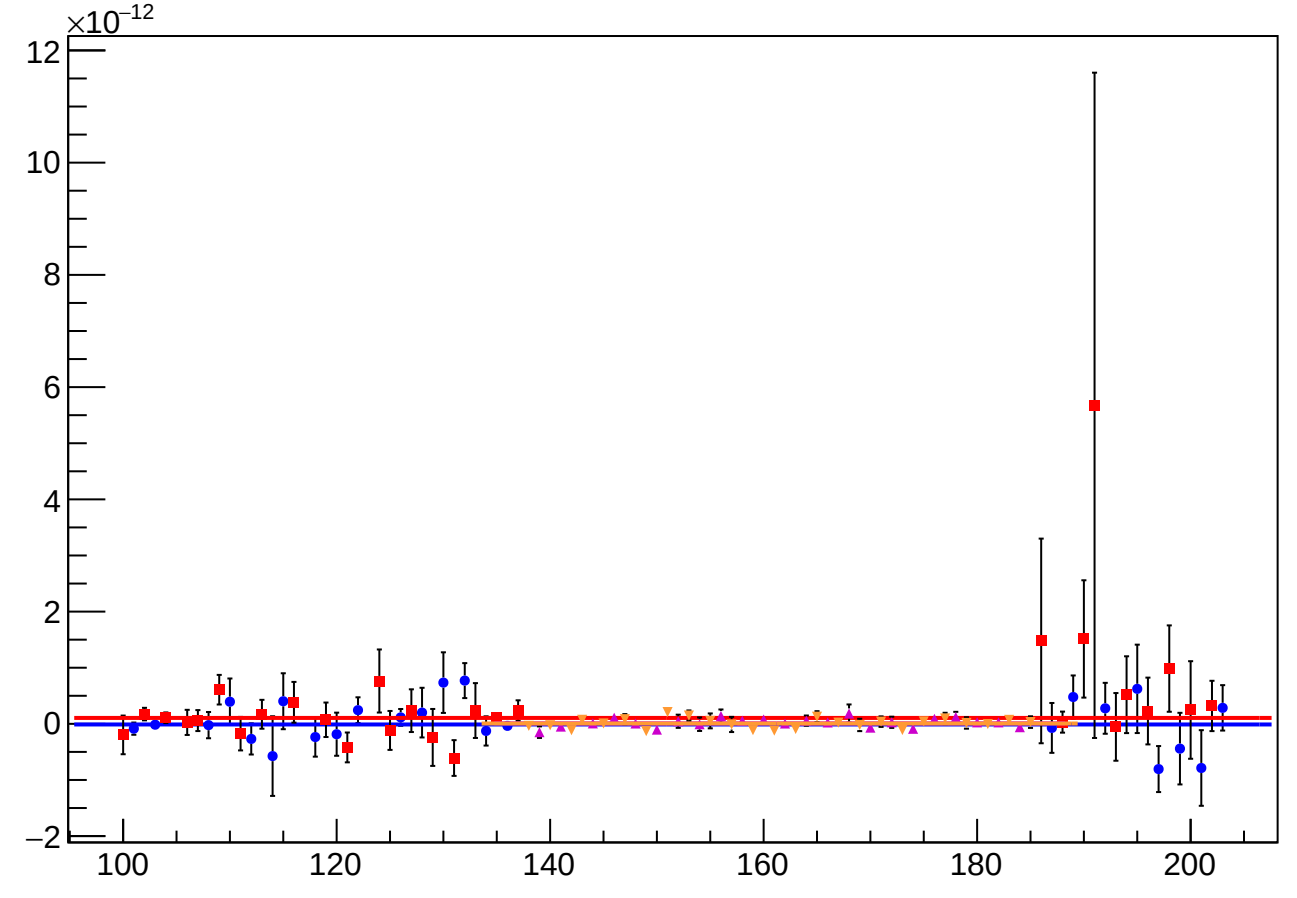
Left: 258.900+/-0.032 χ^2/NDF: 4974565.9/47

Right: 185.489+/-0.027 χ^2/NDF: 5439785.0/52

In: 223.944+/-0.030 χ^2/NDF:5155538.4/46

Out: 210.252+/-0.028 χ^2/NDF:8242385.0/53

All: 216.622+/-0.021 χ^2/NDF: 13507531.6/10



Right In: -0.000+/-0.000 χ^2/NDF: 23.8/23

Left Out: 0.000+/-0.000 χ^2/NDF:30.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 23.9/28

Left In: 0.000+/-0.000 χ^2/NDF:21.2/22

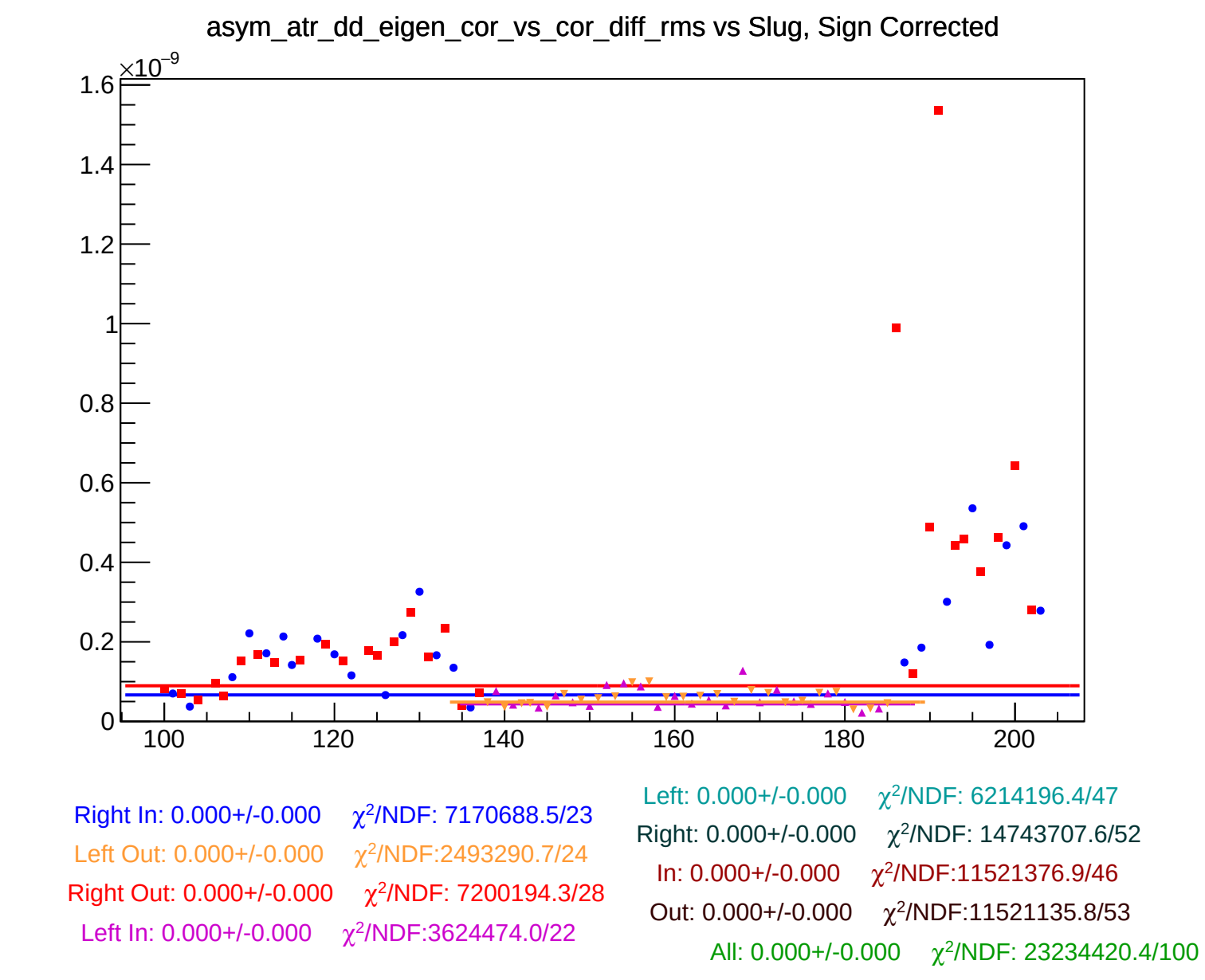
Left: 0.000+/-0.000 χ^2/NDF: 51.8/47

Right: 0.000+/-0.000 χ^2/NDF: 52.5/52

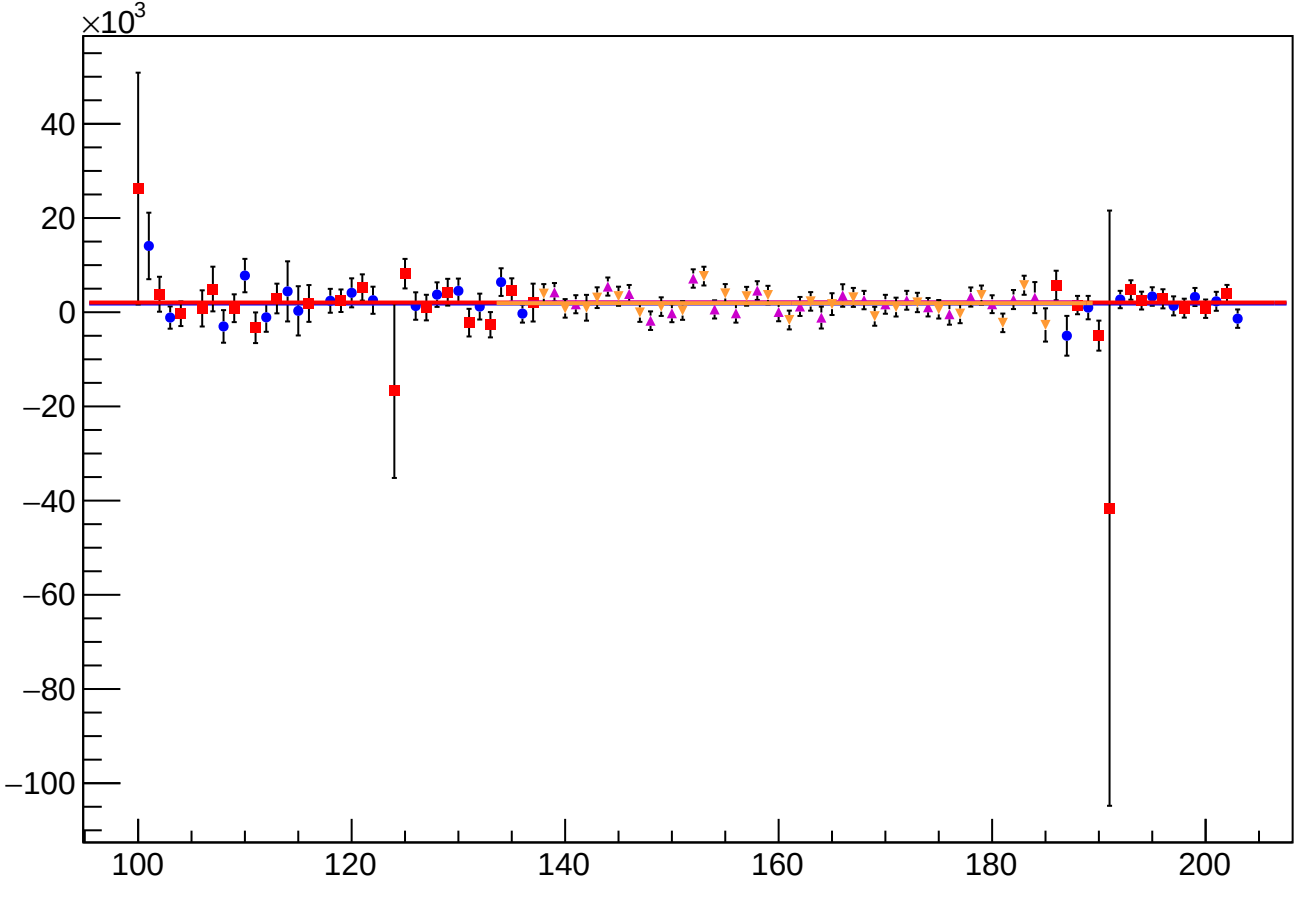
In: 0.000+/-0.000 χ^2/NDF:45.3/46

Out: 0.000+/-0.000 χ^2/NDF:59.7/53

All: 0.000+/-0.000 χ^2/NDF: 105.4/100


asym_atr_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
100
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 7170688.5/23
Left Out: 0.000+/-0.000 χ²/NDF:2493290.7/24
Right Out: 0.000+/-0.000 χ²/NDF: 7200194.3/28
Left In: 0.000+/-0.000 χ²/NDF:3624474.0/22
Left: 0.000+/-0.000 χ²/NDF: 6214196.4/47
Right: 0.000+/-0.000 χ²/NDF: 14743707.6/52
In: 0.000+/-0.000 χ²/NDF:11521376.9/46
Out: 0.000+/-0.000 χ²/NDF:11521135.8/53
All: 0.000+/-0.000 χ²/NDF: 23234420.4/100

reg_asym_at1_avg_mean vs Slug, Sign Corrected



Right In: 1845.680+/-524.119 χ^2/NDF: 23.4/23

Left Out: 1920.623+/-412.915 χ^2/NDF:32.5/24

Right Out: 2059.514+/-510.102 χ^2/NDF: 28.9/28

Left In: 2074.205+/-423.203 χ^2/NDF:26.5/22

Left: 1995.525+/-295.545 χ^2/NDF: 59.1/47

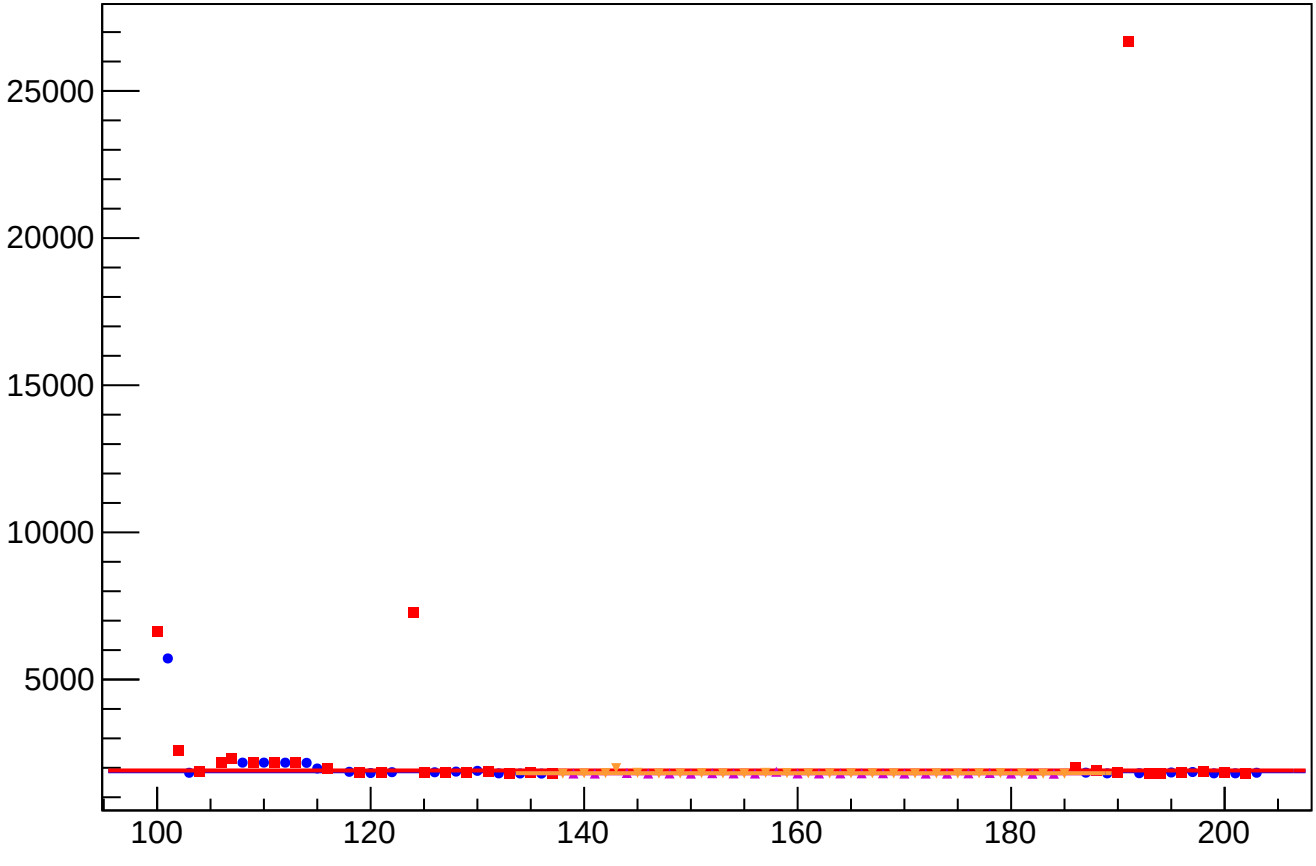
Right: 1955.495+/-365.551 χ^2/NDF: 52.3/52

In: 1984.014+/-329.265 χ^2/NDF:50.0/46

Out: 1975.605+/-320.943 χ^2/NDF:61.4/53

All: 1979.702+/-229.827 χ^2/NDF: 111.5/100

reg_asym_at1_avg_rms vs Slug, Sign Corrected



Right In: 1882.860+/-0.371 χ^2/NDF: 661148.8/23

Left Out: 1817.524+/-0.292 χ^2/NDF:12955.2/24

Right Out: 1909.613+/-0.361 χ^2/NDF: 727157.7/28

Left In: 1812.545+/-0.299 χ^2/NDF:2013.0/22

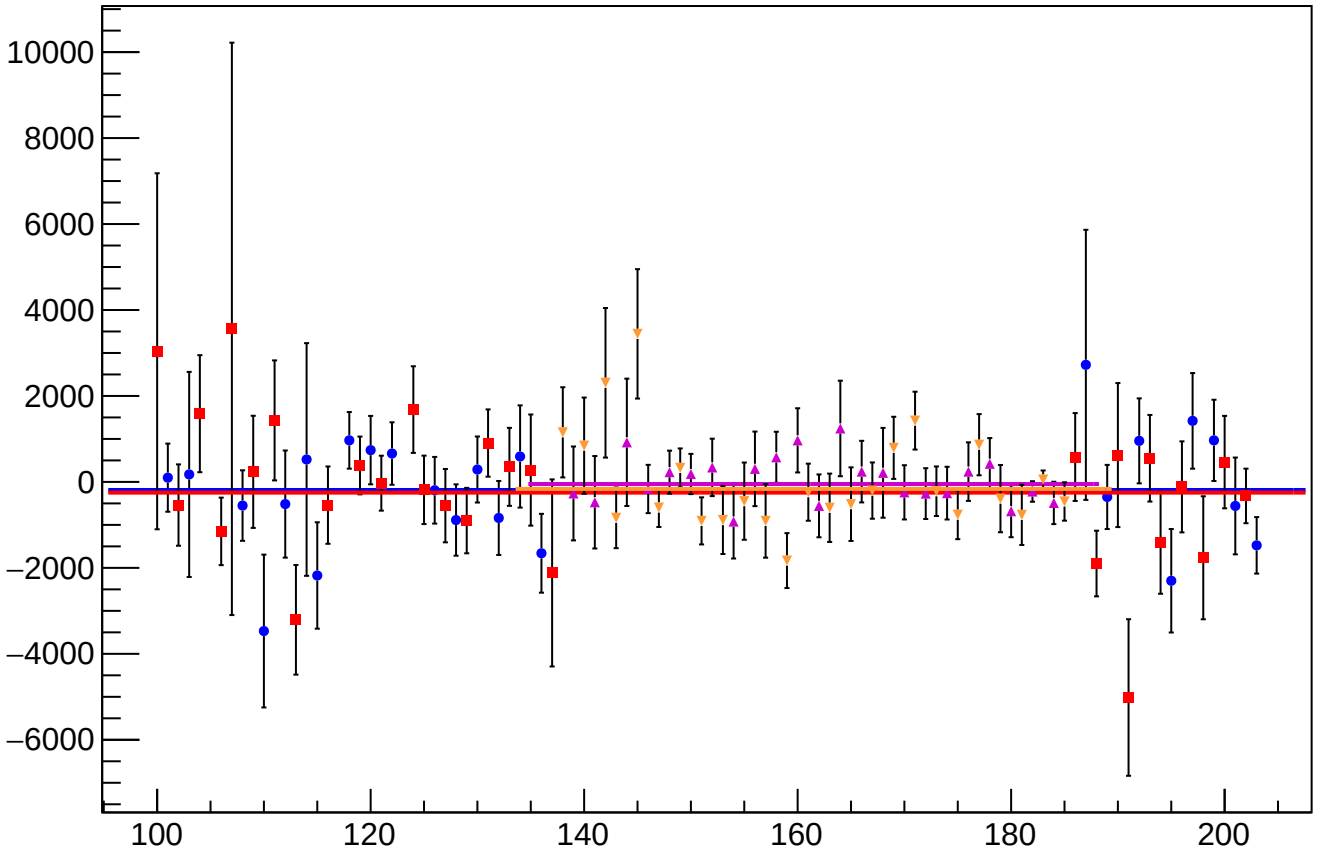
Left: 1815.096+/-0.209 χ^2/NDF: 15110.1/47

Right: 1896.599+/-0.258 χ^2/NDF: 1390982.6/52

In: 1840.296+/-0.233 χ^2/NDF:684951.9/46

Out: 1853.979+/-0.227 χ^2/NDF:779492.2/53

All: 1847.312+/-0.163 χ^2/NDF: 1466215.2/10



Right In: -187.877+/-190.778 χ^2/NDF: 29.8/23

Left Out: -162.996+/-115.295 χ^2/NDF:36.8/24

Right Out: -249.224+/-182.474 χ^2/NDF: 35.9/28

Left In: -49.290+/-122.691 χ^2/NDF:11.3/22

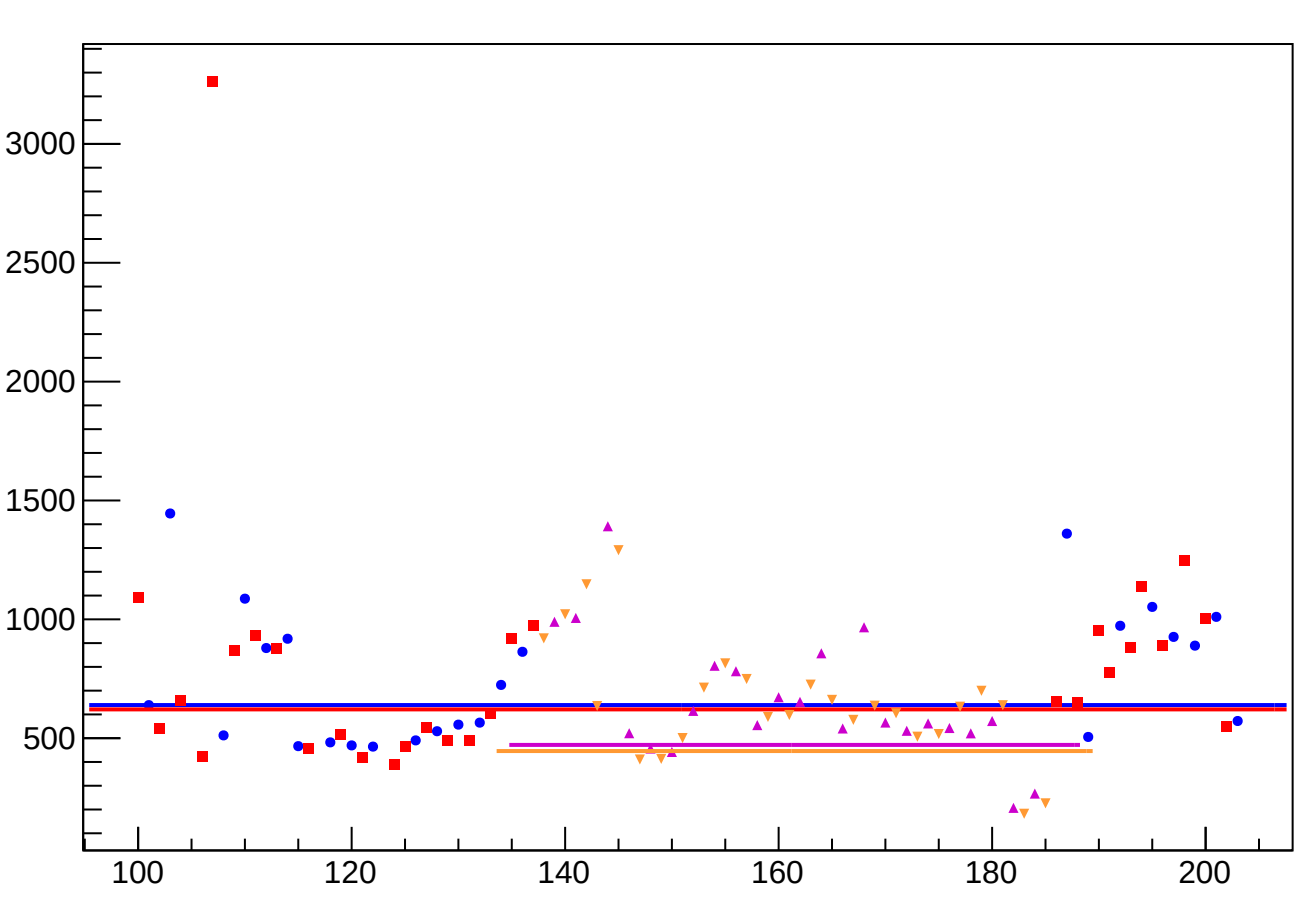
Left: -109.673+/-84.019 χ^2/NDF: 48.6/47

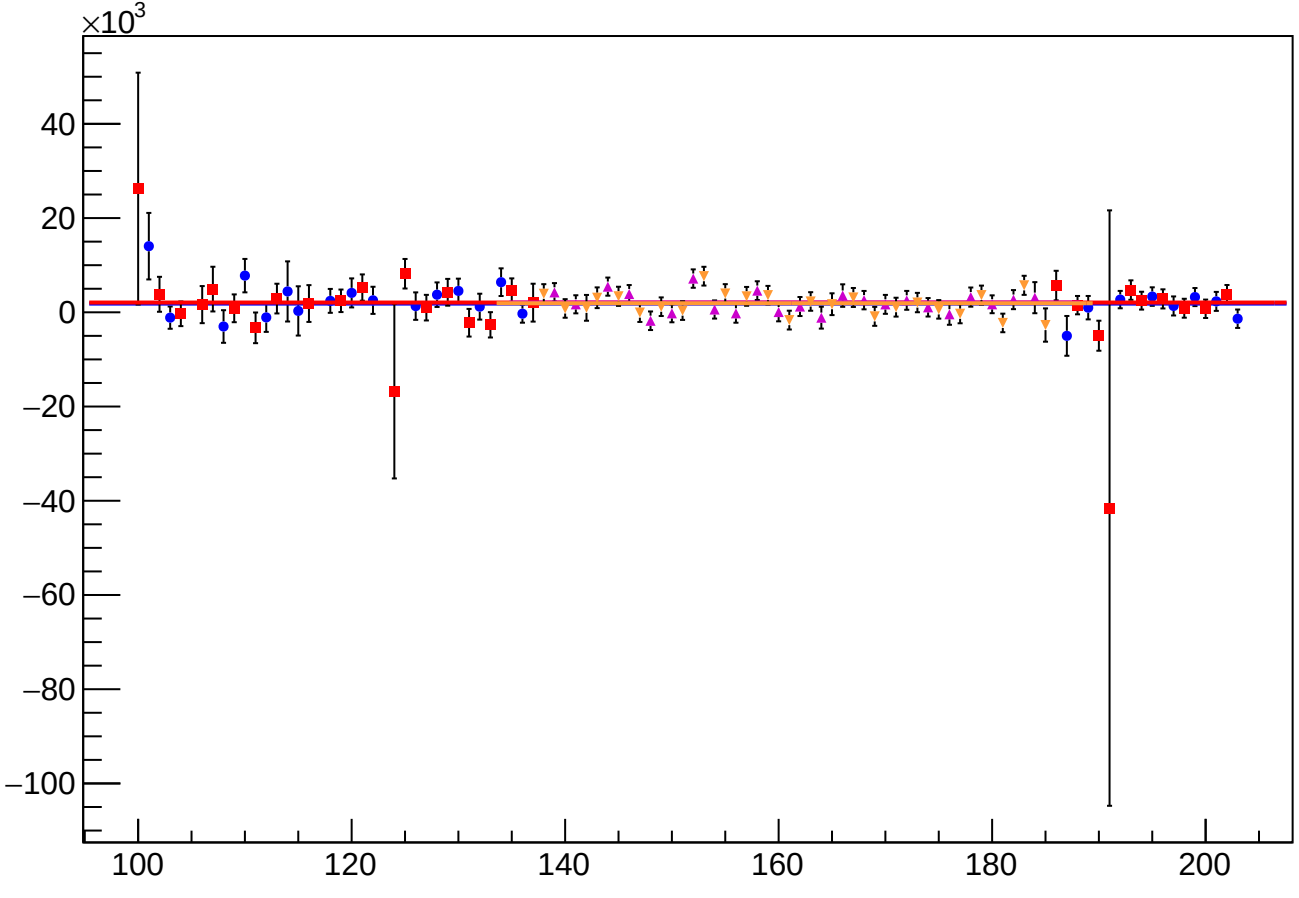
Right: -219.915+/-131.866 χ^2/NDF: 65.8/52

In: -89.838+/-103.193 χ^2/NDF:41.5/46

Out: -187.599+/-97.469 χ^2/NDF:72.9/53

All: -141.505+/-70.858 χ^2/NDF: 114.9/100


asym_at1_avg_reg_correction_rms vs Slug, Sign Corrected
3000
2500
2000
1500
1000
500
100
120
140
160
180
200
Right In: 639.420+/-0.135 χ²/NDF: 2277387.7/23
Left Out: 445.893+/-0.082 χ²/NDF:7982455.6/24
Right Out: 621.152+/-0.129 χ²/NDF: 2916304.0/28
Left In: 471.746+/-0.087 χ²/NDF:6413905.5/22
Left: 458.017+/-0.059 χ²/NDF: 14443518.4/47
Right: 629.880+/-0.093 χ²/NDF: 5203268.7/52
In: 520.804+/-0.073 χ²/NDF:9784205.1/46
Out: 495.898+/-0.069 χ²/NDF:12217329.9/53
All: 507.641+/-0.050 χ²/NDF: 22063106.7/10



Right In: 1845.604+/-524.119 χ^2/NDF: 23.4/23

Left Out: 1920.588+/-412.915 χ^2/NDF:32.5/24

Right Out: 2074.494+/-510.317 χ^2/NDF: 28.8/28

Left In: 2074.306+/-423.203 χ^2/NDF:26.5/22

Left: 1995.556+/-295.545 χ^2/NDF: 59.1/47

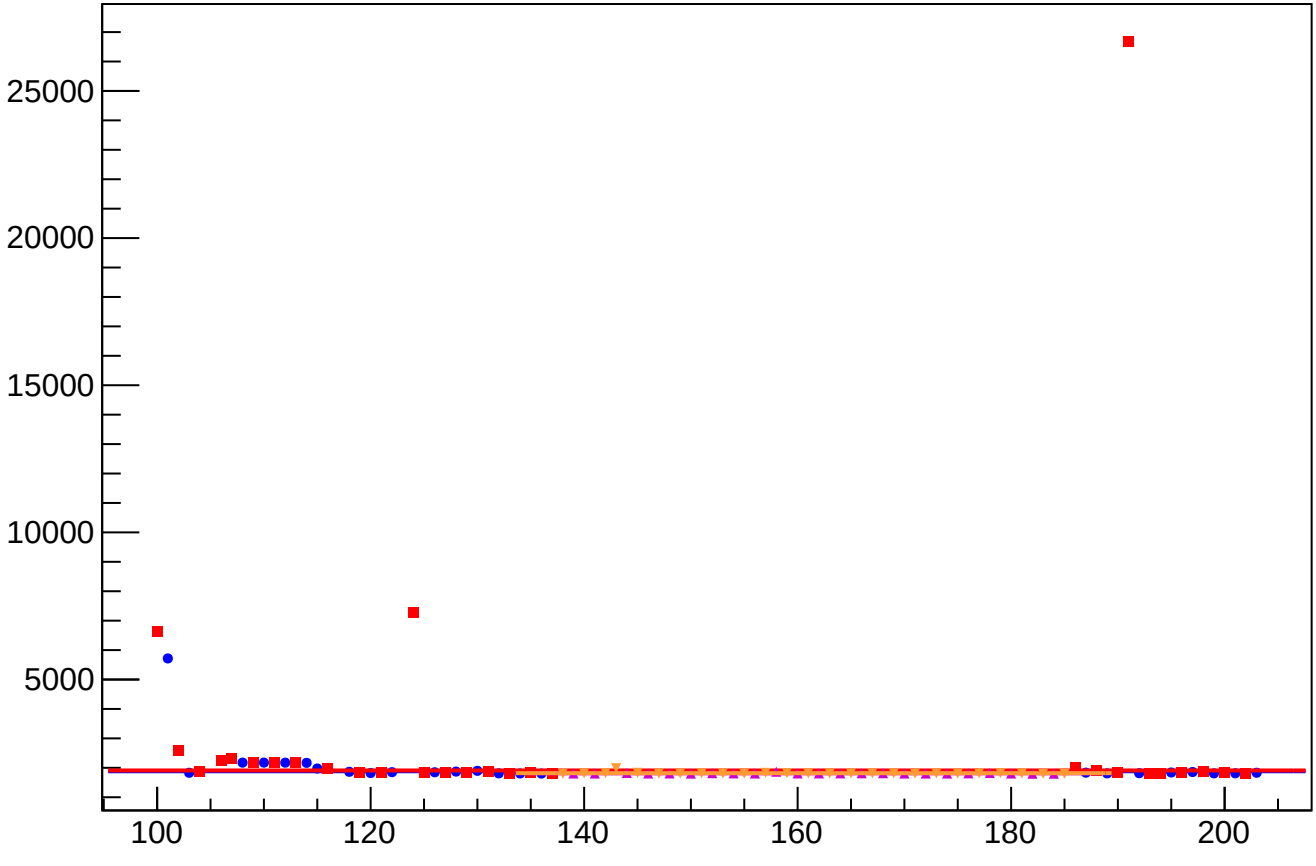
Right: 1963.102+/-365.631 χ^2/NDF: 52.2/52

In: 1984.045+/-329.265 χ^2/NDF:50.0/46

Out: 1981.482+/-320.997 χ^2/NDF:61.4/53

All: 1982.731+/-229.847 χ^2/NDF: 111.4/100

cor_asym_at1_avg_rms vs Slug, Sign Corrected



Right In: 1882.860+/-0.371 χ^2/NDF: 661148.8/23

Left Out: 1817.524+/-0.292 χ^2/NDF:12955.2/24

Right Out: 1910.228+/-0.361 χ^2/NDF: 730677.5/28

Left In: 1812.545+/-0.299 χ^2/NDF:2013.0/22

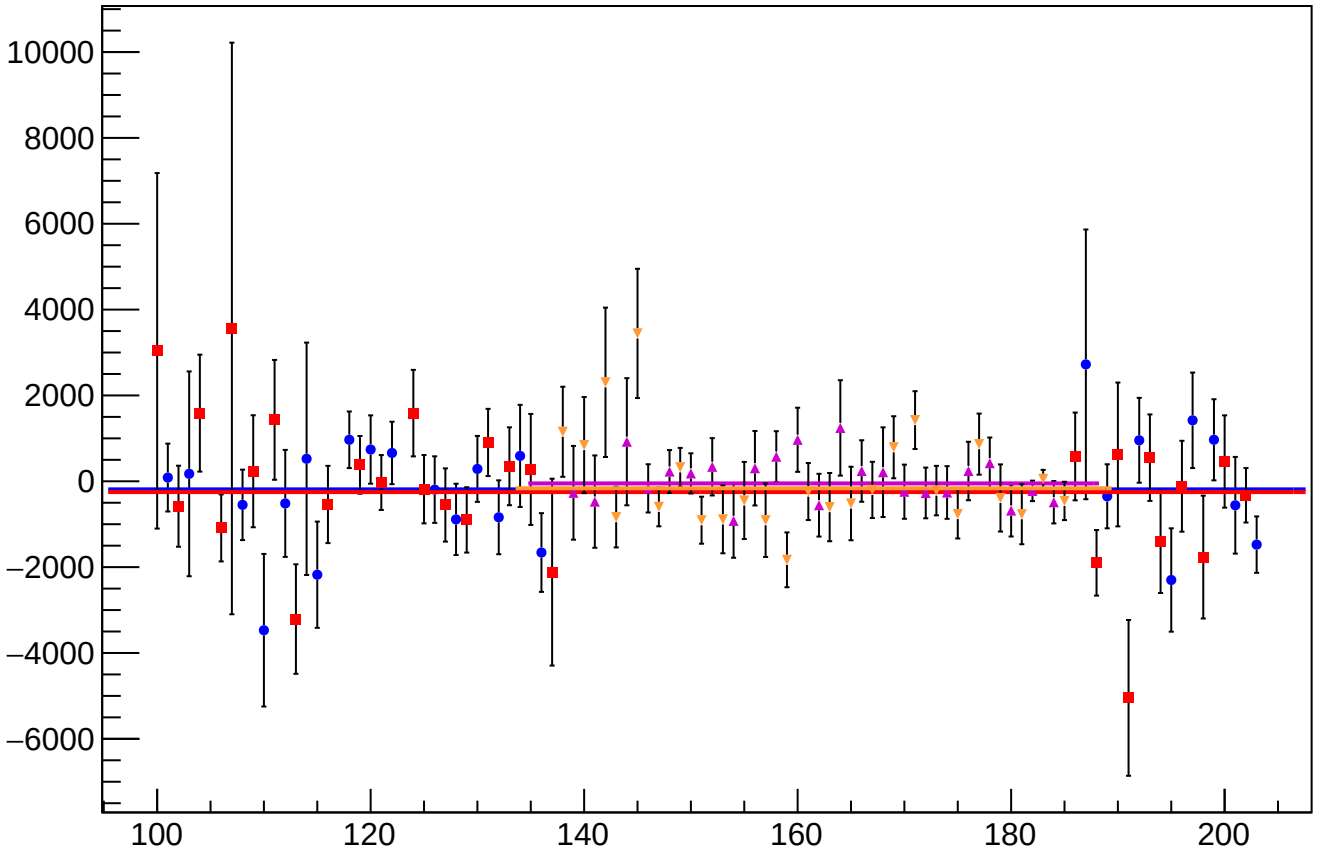
Left: 1815.096+/-0.209 χ^2/NDF: 15110.1/47

Right: 1896.909+/-0.259 χ^2/NDF: 1394625.7/52

In: 1840.296+/-0.233 χ^2/NDF:684951.8/46

Out: 1854.203+/-0.227 χ^2/NDF:783519.1/53

All: 1847.426+/-0.163 χ^2/NDF: 1470300.3/10



Right In: -188.389+/-190.751 χ^2/NDF: 29.8/23

Left Out: -162.911+/-115.291 χ^2/NDF:36.9/24

Right Out: -251.500+/-182.391 χ^2/NDF: 35.6/28

Left In: -49.310+/-122.694 χ^2/NDF:11.3/22

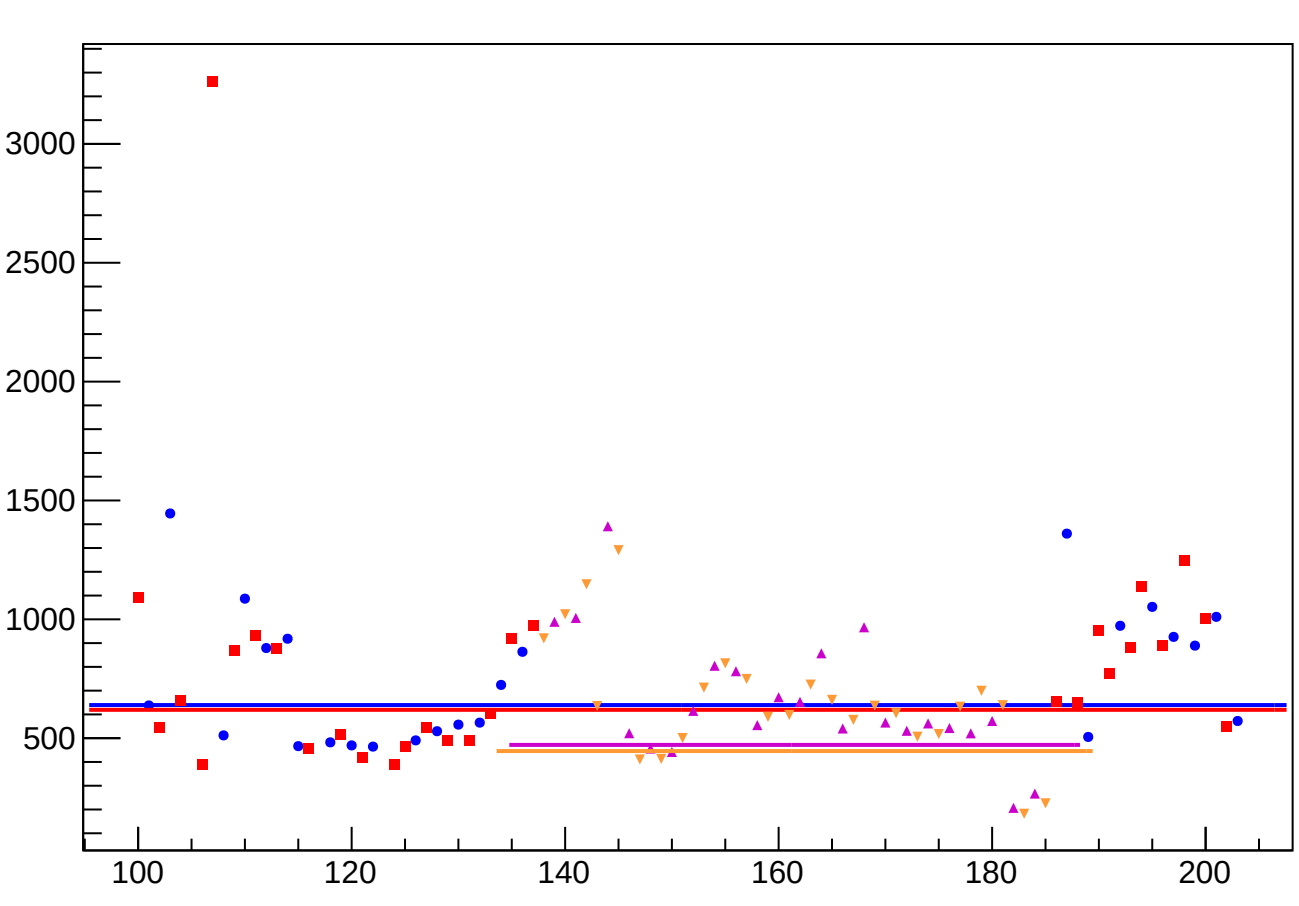
Left: -109.640+/-84.018 χ^2/NDF: 48.6/47

Right: -221.357+/-131.826 χ^2/NDF: 65.4/52

In: -90.011+/-103.190 χ^2/NDF:41.5/46

Out: -188.203+/-97.454 χ^2/NDF:72.6/53

All: -141.912+/-70.852 χ^2/NDF: 114.6/100


asym_at1_avg_cor_correction_rms vs Slug, Sign Corrected
3000
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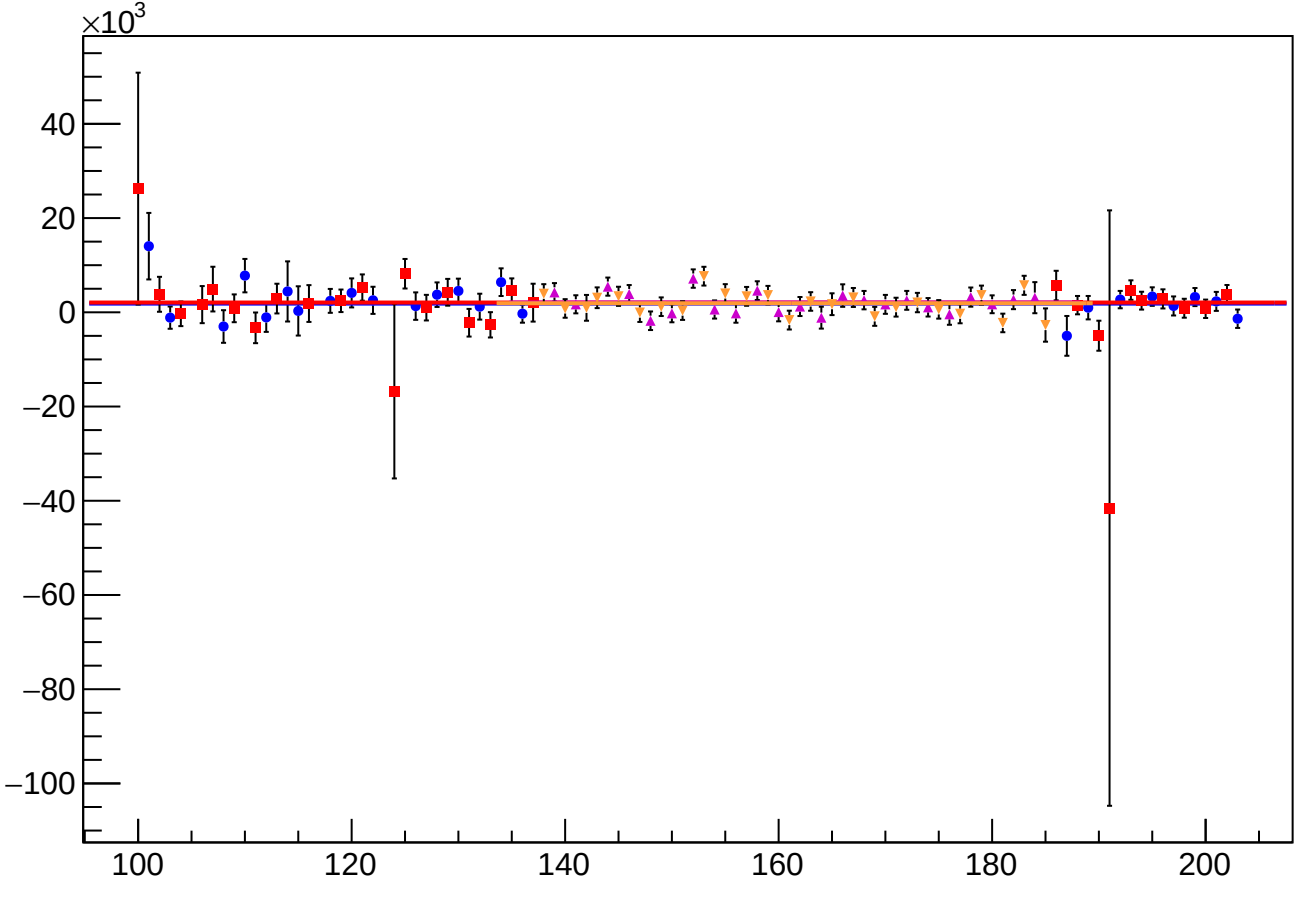
180
200
Right In: 639.342+/-0.135 χ²/NDF: 2277468.6/23
Left Out: 445.867+/-0.082 χ²/NDF:7983869.6/24
Right Out: 619.320+/-0.129 χ²/NDF: 2963595.4/28
Left In: 471.757+/-0.087 χ²/NDF:6413685.0/22
Left: 458.008+/-0.059 χ²/NDF: 14444849.4/47
Right: 628.883+/-0.093 χ²/NDF: 5252575.2/52
In: 520.801+/-0.073 χ²/NDF:9783105.4/46
Out: 495.387+/-0.069 χ²/NDF:12239858.4/53
All: 507.368+/-0.050 χ²/NDF: 22087085.1/10



Right In: 1845.604+/-524.119 χ^2/NDF: 23.4/23

Left Out: 1920.588+/-412.915 χ^2/NDF:32.5/24

Right Out: 2074.494+/-510.317 χ^2/NDF: 28.8/28

Left In: 2074.306+/-423.203 χ^2/NDF:26.5/22

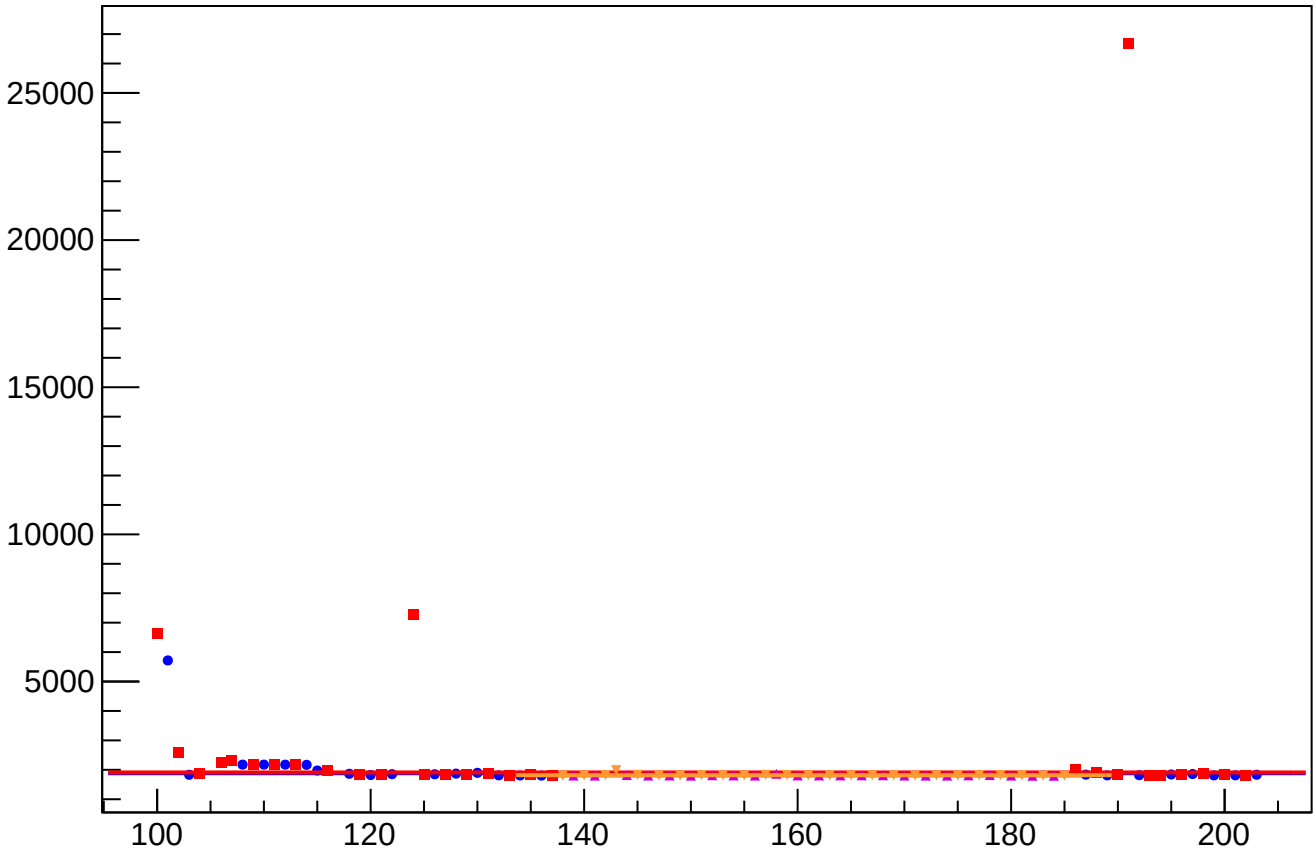
Left: 1995.556+/-295.545 χ^2/NDF: 59.1/47

Right: 1963.102+/-365.631 χ^2/NDF: 52.2/52

In: 1984.045+/-329.265 χ^2/NDF:50.0/46

Out: 1981.482+/-320.997 χ^2/NDF:61.4/53

All: 1982.731+/-229.847 χ^2/NDF: 111.4/100



Right In: 1882.860+/-0.371 χ^2/NDF: 661148.8/23

Left Out: 1817.524+/-0.292 χ^2/NDF:12955.2/24

Right Out: 1910.228+/-0.361 χ^2/NDF: 730677.5/28

Left In: 1812.545+/-0.299 χ^2/NDF:2013.0/22

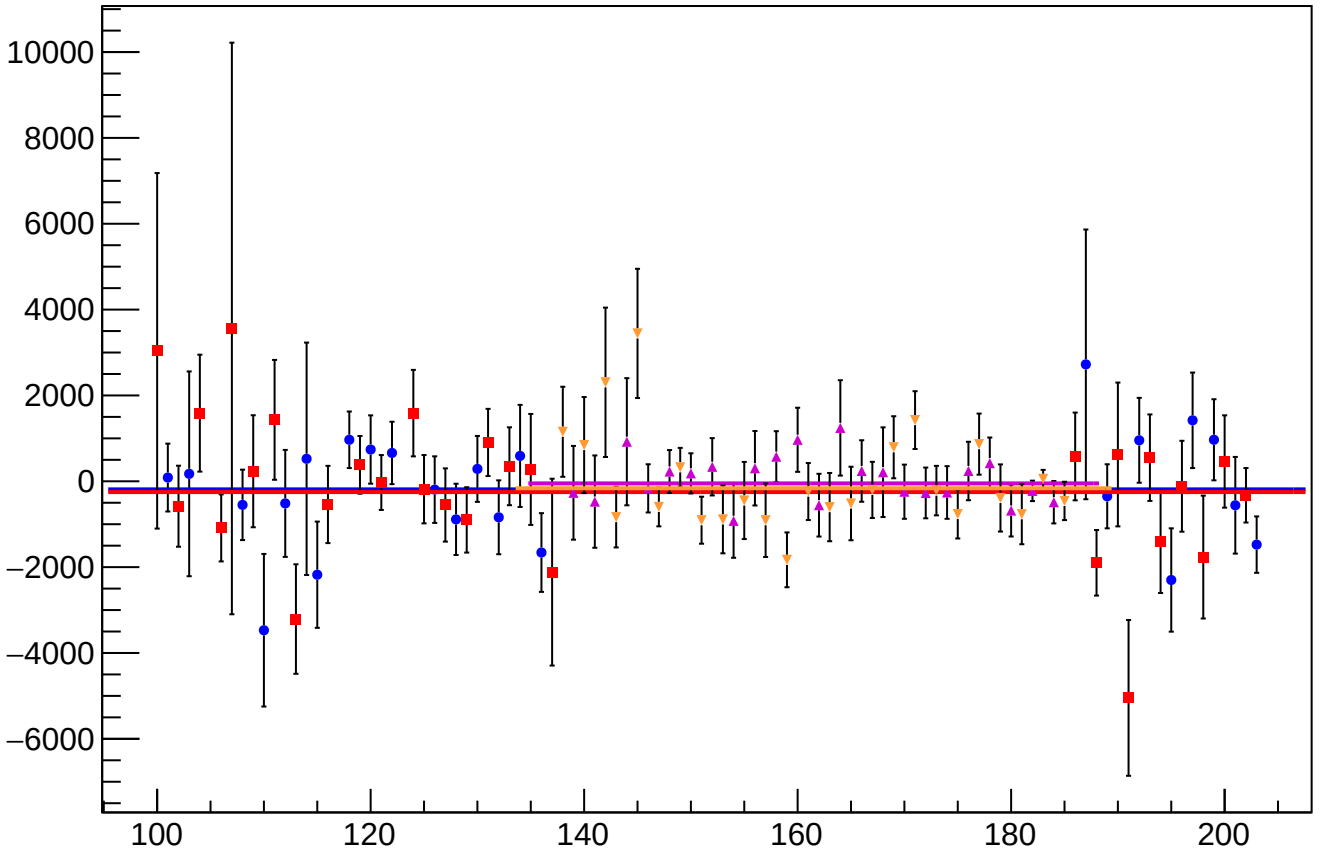
Left: 1815.096+/-0.209 χ^2/NDF: 15110.1/47

Right: 1896.909+/-0.259 χ^2/NDF: 1394625.7/52

In: 1840.296+/-0.233 χ^2/NDF:684951.8/46

Out: 1854.203+/-0.227 χ^2/NDF:783519.1/53

All: 1847.426+/-0.163 χ^2/NDF: 1470300.3/10



Right In: -188.389+/-190.751 χ^2/NDF: 29.8/23

Left Out: -162.911+/-115.291 χ^2/NDF:36.9/24

Right Out: -251.500+/-182.391 χ^2/NDF: 35.6/28

Left In: -49.310+/-122.694 χ^2/NDF:11.3/22

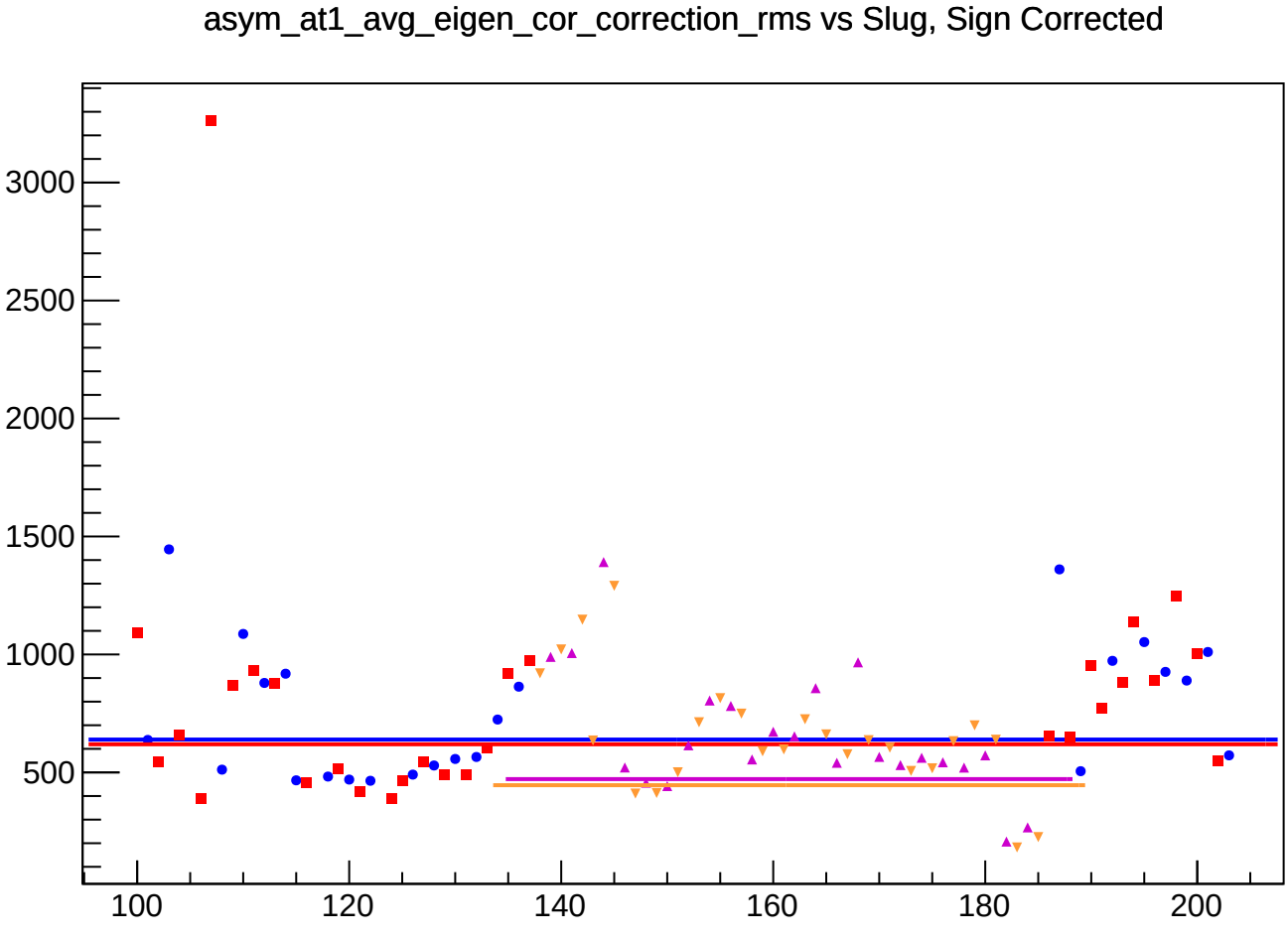
Left: -109.640+/-84.018 χ^2/NDF: 48.6/47

Right: -221.357+/-131.826 χ^2/NDF: 65.4/52

In: -90.011+/-103.190 χ^2/NDF:41.5/46

Out: -188.203+/-97.454 χ^2/NDF:72.6/53

All: -141.912+/-70.852 χ^2/NDF: 114.6/100


asym_at1_avg_eigen_cor_correction_rms vs Slug, Sign Corrected
3000
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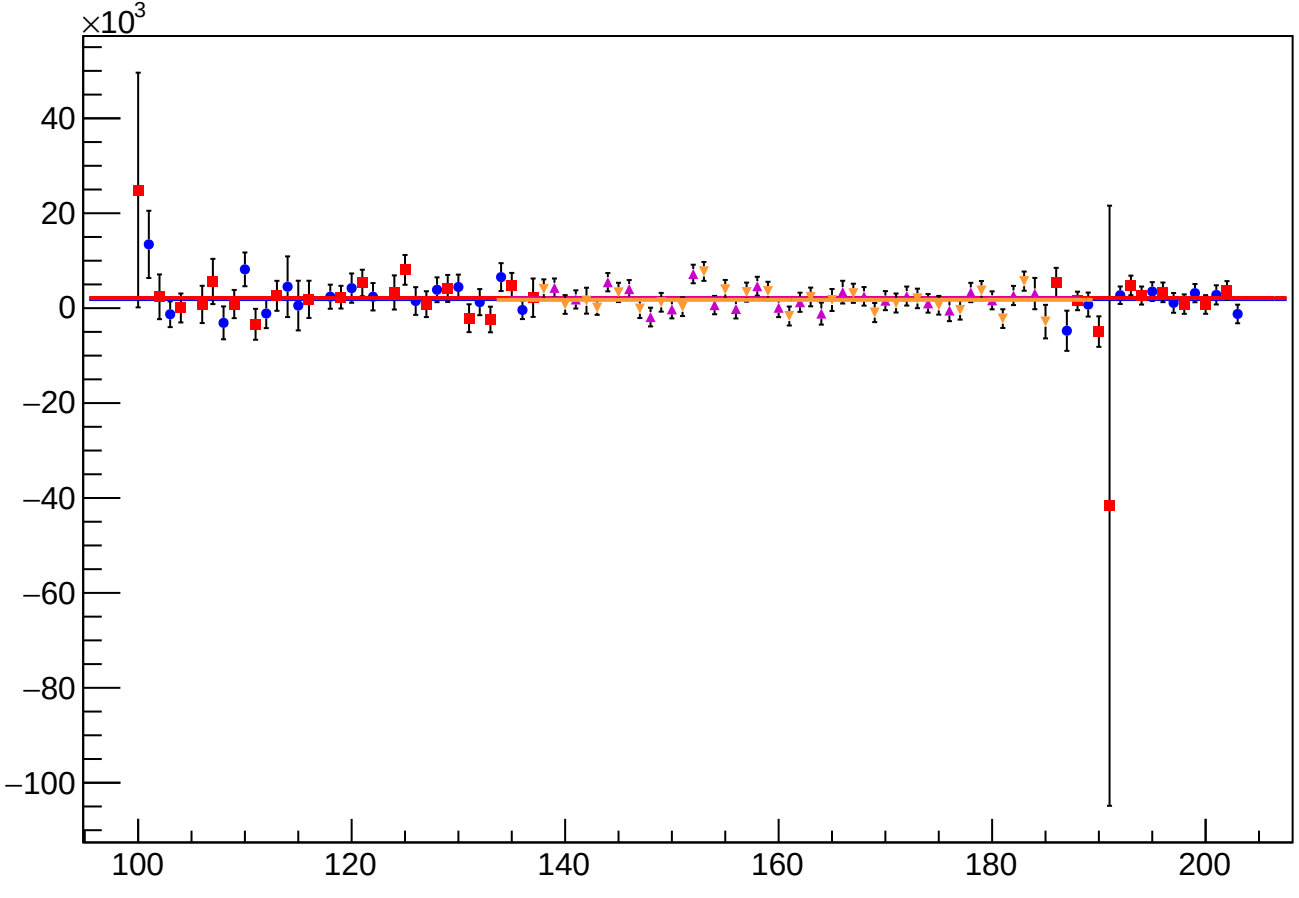
120
140
160
180
200
Right In: 639.342+/-0.135 χ²/NDF: 2277468.6/23
Left Out: 445.867+/-0.082 χ²/NDF:7983869.6/24
Right Out: 619.320+/-0.129 χ²/NDF: 2963595.4/28
Left In: 471.757+/-0.087 χ²/NDF:6413685.0/22
Left: 458.008+/-0.059 χ²/NDF: 14444849.4/47
Right: 628.883+/-0.093 χ²/NDF: 5252575.2/52
In: 520.801+/-0.073 χ²/NDF:9783105.4/46
Out: 495.387+/-0.069 χ²/NDF:12239858.4/53
All: 507.368+/-0.050 χ²/NDF: 22087085.1/10



Right In: 1922.006+/-530.131 χ^2/NDF: 23.4/23

Left Out: 1755.493+/-405.401 χ^2/NDF:33.8/24

Right Out: 2145.312+/-512.561 χ^2/NDF: 26.9/28

Left In: 2073.441+/-423.648 χ^2/NDF:27.0/22

Left: 1907.472+/-292.900 χ^2/NDF: 61.1/47

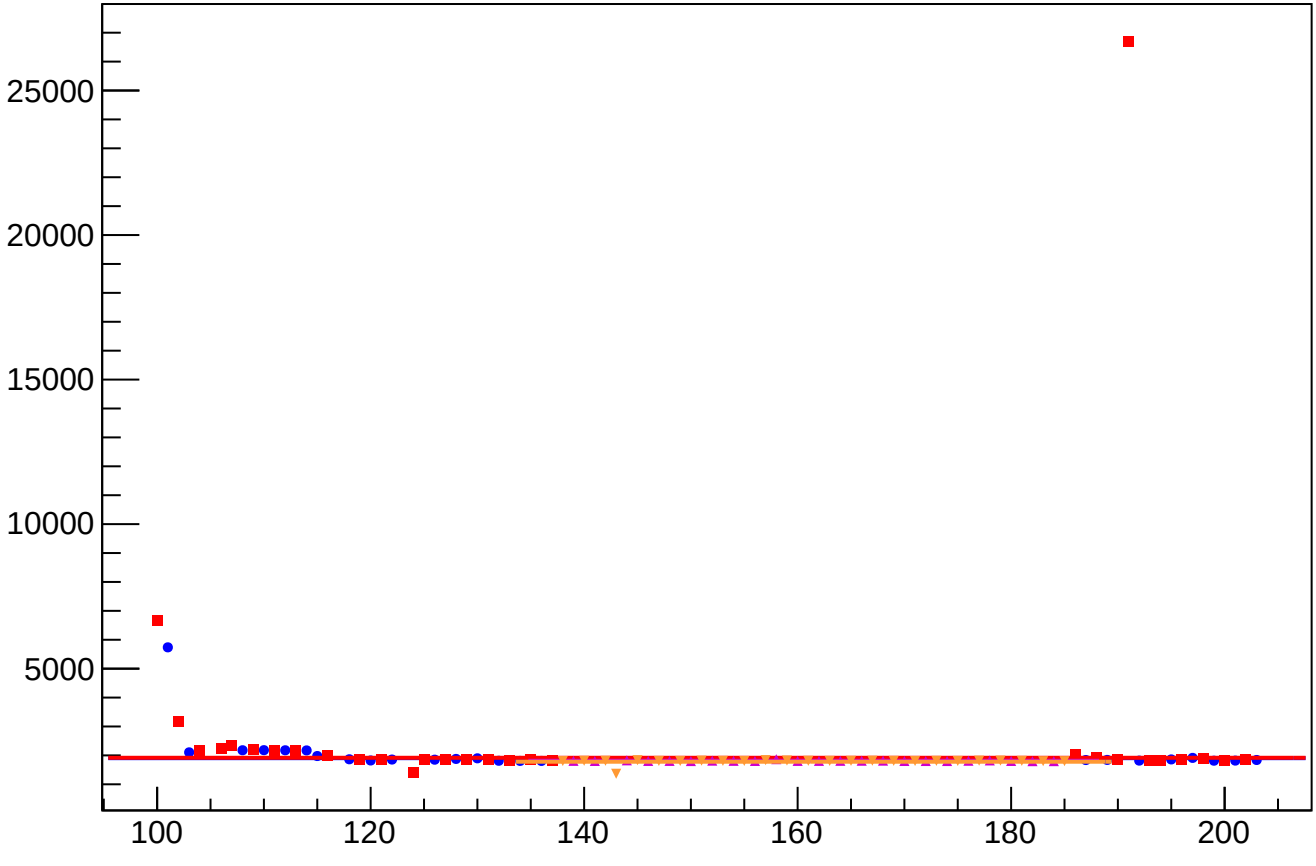
Right: 2037.421+/-368.490 χ^2/NDF: 50.4/52

In: 2014.422+/-330.952 χ^2/NDF:50.5/46

Out: 1905.508+/-317.967 χ^2/NDF:61.0/53

All: 1957.787+/-229.290 χ^2/NDF: 111.5/100

dit_asym_at1_avg_rms vs Slug, Sign Corrected



Right In: 1903.864+/-0.375 χ^2/NDF: 669349.5/23

Left Out: 1780.913+/-0.287 χ^2/NDF:164936.9/24

Right Out: 1917.227+/-0.362 χ^2/NDF: 686094.3/28

Left In: 1814.434+/-0.300 χ^2/NDF:2094.6/22

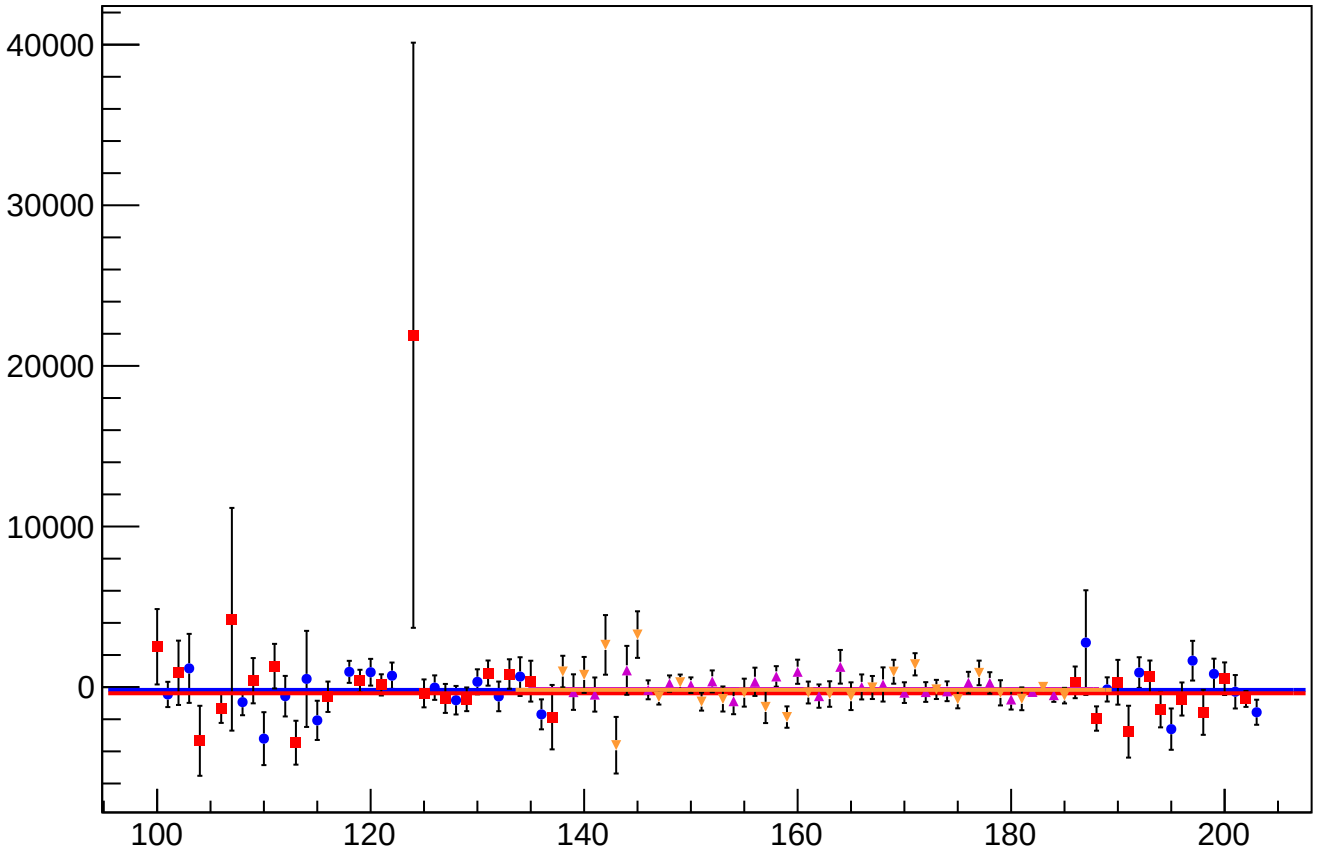
Left: 1796.936+/-0.207 χ^2/NDF: 173567.7/47

Right: 1910.770+/-0.261 χ^2/NDF: 1356100.7/52

In: 1849.288+/-0.234 χ^2/NDF:706177.4/46

Out: 1833.371+/-0.225 χ^2/NDF:938049.7/53

All: 1841.011+/-0.162 χ^2/NDF: 1646632.6/10



Right In: -173.558+/-197.241 χ^2/NDF: 29.4/23

Left Out: -167.909+/-121.628 χ^2/NDF:38.3/24

Right Out: -382.371+/-185.963 χ^2/NDF: 32.2/28

Left In: -117.211+/-119.772 χ^2/NDF:12.3/22

Left: -142.170+/-85.340 χ^2/NDF: 50.7/47

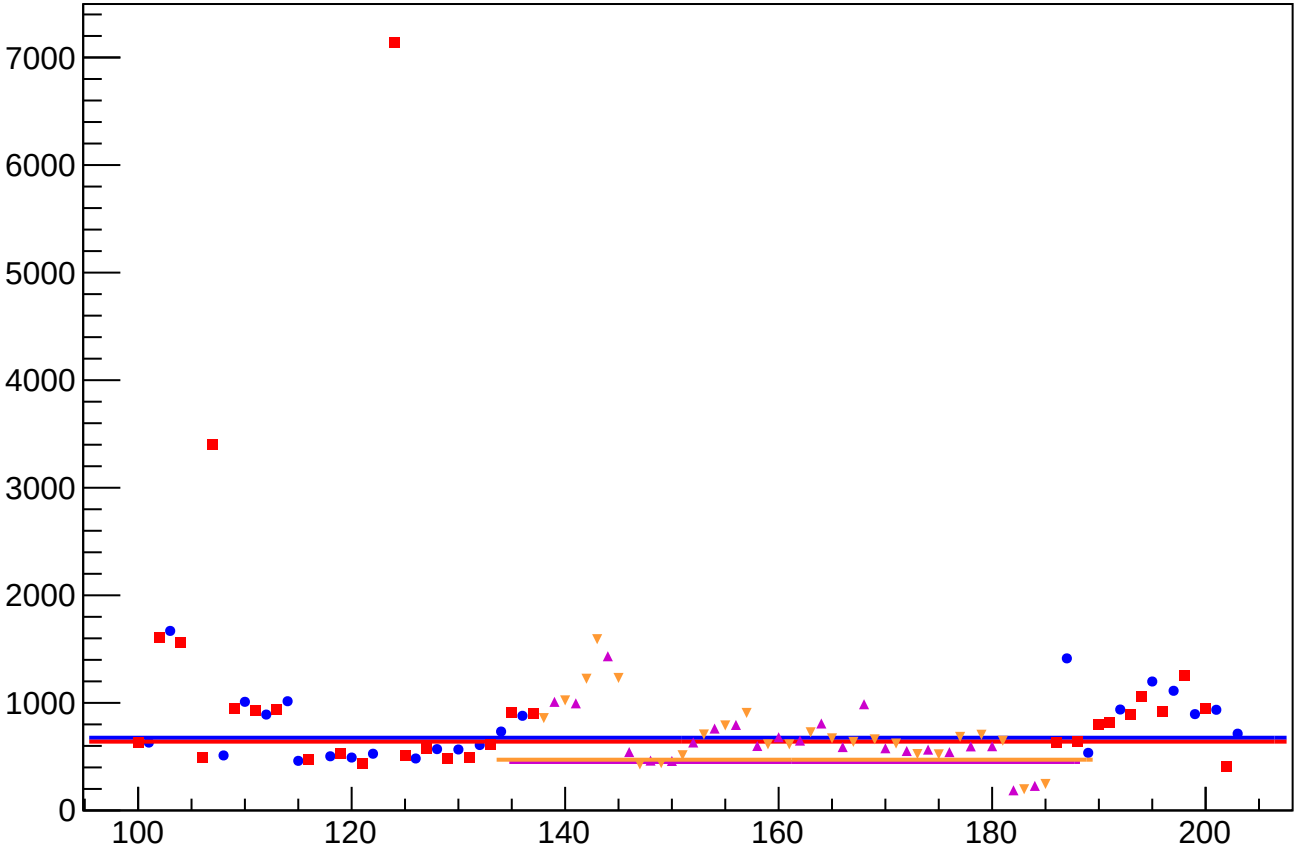
Right: -284.105+/-135.307 χ^2/NDF: 62.2/52

In: -132.391+/-102.375 χ^2/NDF:41.8/46

Out: -232.164+/-101.790 χ^2/NDF:71.5/53

All: -182.563+/-72.182 χ^2/NDF: 113.7/100

asym_at1_avg_dit_correction_rms vs Slug, Sign Corrected



Right In: 675.990+/-0.139 χ^2/NDF: 2479100.7/23

Left Out: 471.777+/-0.086 χ^2/NDF:8112666.9/24

Right Out: 639.716+/-0.131 χ^2/NDF: 3992965.5/28

Left In: 450.652+/-0.085 χ^2/NDF:7928332.5/22

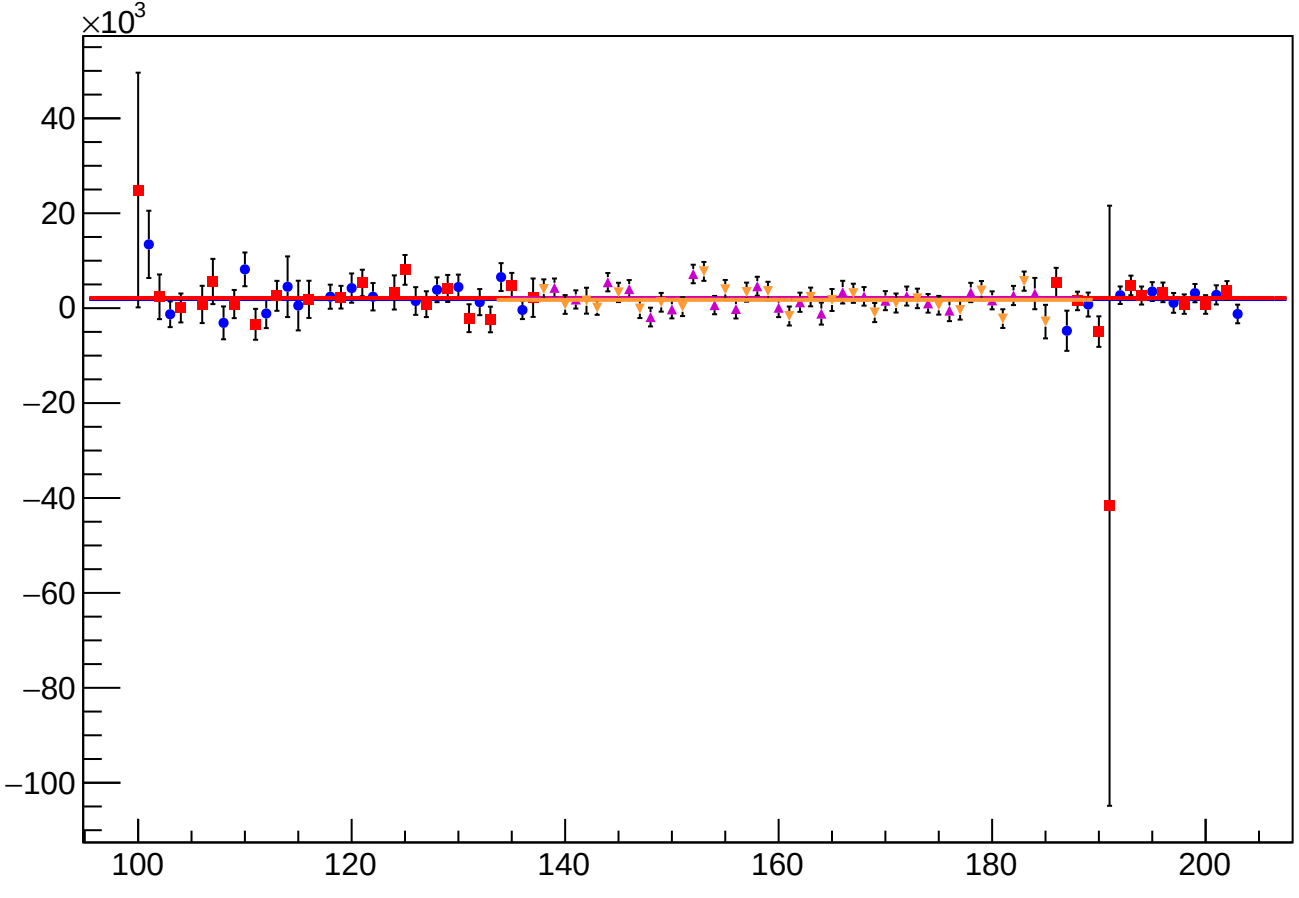
Left: 461.052+/-0.060 χ^2/NDF: 16071629.8/47

Right: 656.786+/-0.096 χ^2/NDF: 6507877.0/52

In: 511.357+/-0.072 χ^2/NDF:12314580.5/46

Out: 522.093+/-0.072 χ^2/NDF:13248034.6/53

All: 516.756+/-0.051 χ^2/NDF: 25573674.9/10



Right In: 1922.005+/-530.131 χ^2/NDF: 23.4/23

Left Out: 1755.493+/-405.401 χ^2/NDF:33.8/24

Right Out: 2145.310+/-512.561 χ^2/NDF: 26.9/28

Left In: 2073.441+/-423.648 χ^2/NDF:27.0/22

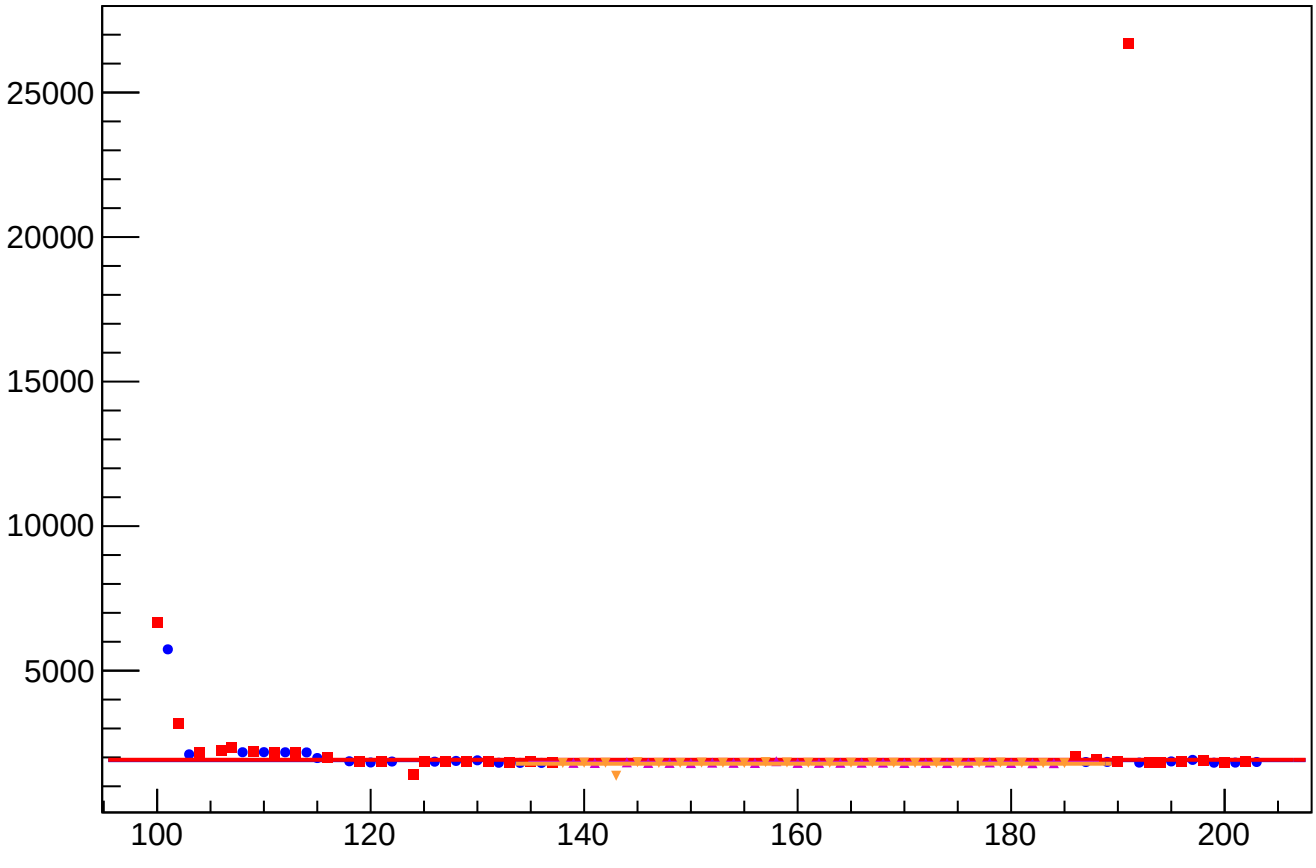
Left: 1907.473+/-292.900 χ^2/NDF: 61.1/47

Right: 2037.419+/-368.490 χ^2/NDF: 50.4/52

In: 2014.422+/-330.952 χ^2/NDF:50.5/46

Out: 1905.508+/-317.967 χ^2/NDF:61.0/53

All: 1957.786+/-229.290 χ^2/NDF: 111.5/100



Right In: 1903.864+/-0.375 χ^2/NDF: 669349.1/23

Left Out: 1780.913+/-0.287 χ^2/NDF:164936.9/24

Right Out: 1917.227+/-0.362 χ^2/NDF: 686093.0/28

Left In: 1814.434+/-0.300 χ^2/NDF:2094.6/22

Left: 1796.936+/-0.207 χ^2/NDF: 173567.7/47

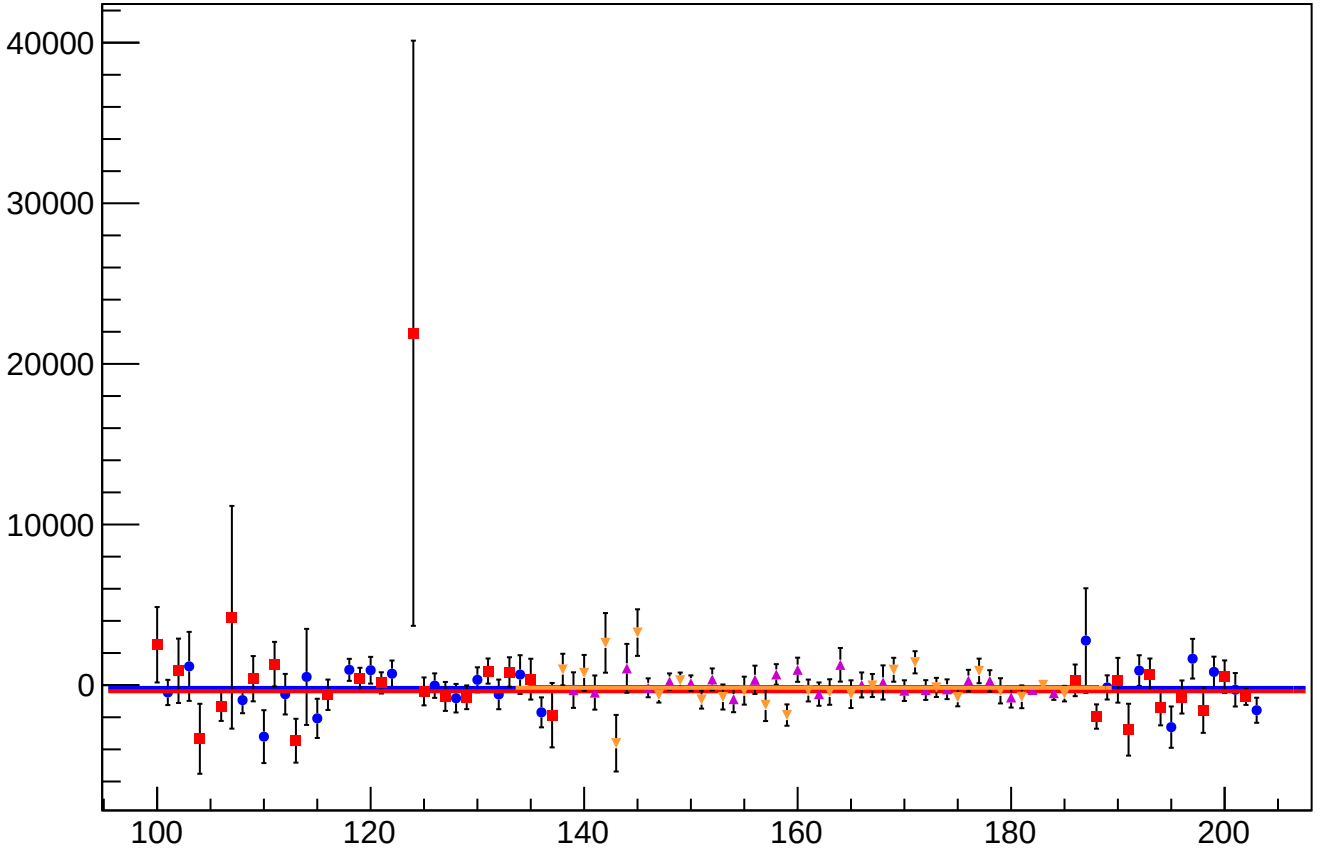
Right: 1910.770+/-0.261 χ^2/NDF: 1356098.9/52

In: 1849.288+/-0.234 χ^2/NDF:706177.0/46

Out: 1833.371+/-0.225 χ^2/NDF:938048.1/53

All: 1841.011+/-0.162 χ^2/NDF: 1646630.5/10

asym_at1_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -173.558+/-197.241 χ^2/NDF: 29.4/23

Left Out: -167.909+/-121.629 χ^2/NDF:38.3/24

Right Out: -382.371+/-185.963 χ^2/NDF: 32.2/28

Left In: -117.211+/-119.772 χ^2/NDF:12.3/22

Left: -142.170+/-85.340 χ^2/NDF: 50.7/47

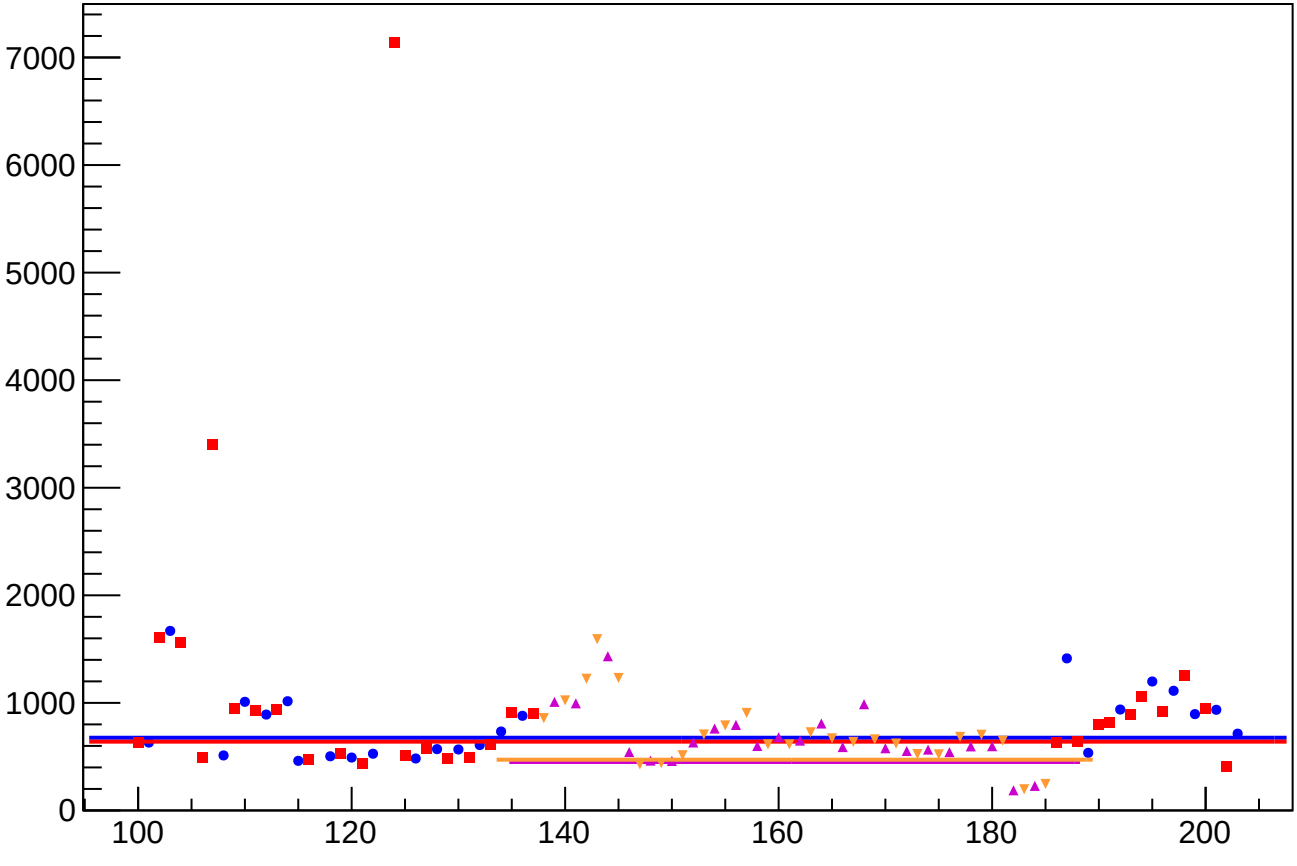
Right: -284.104+/-135.307 χ^2/NDF: 62.2/52

In: -132.391+/-102.375 χ^2/NDF:41.8/46

Out: -232.164+/-101.790 χ^2/NDF:71.5/53

All: -182.564+/-72.182 χ^2/NDF: 113.7/100

asym_at1_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 675.989+/-0.139 χ^2/NDF: 2479118.5/23

Left Out: 471.778+/-0.086 χ^2/NDF:8112665.9/24

Right Out: 639.716+/-0.131 χ^2/NDF: 3992971.7/28

Left In: 450.653+/-0.085 χ^2/NDF:7928317.5/22

Left: 461.053+/-0.060 χ^2/NDF: 16071613.1/47

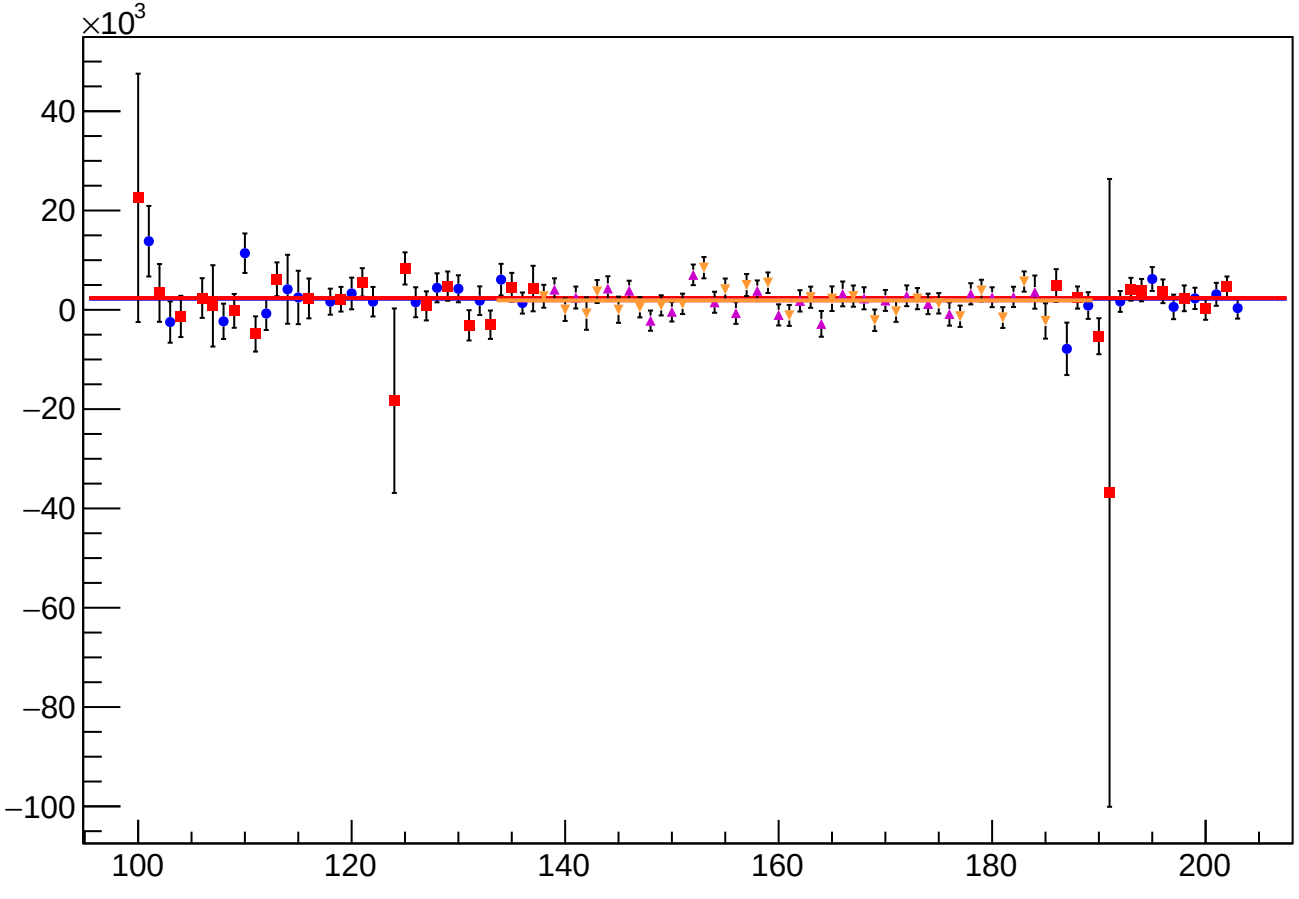
Right: 656.786+/-0.096 χ^2/NDF: 6507899.9/52

In: 511.358+/-0.072 χ^2/NDF:12314557.5/46

Out: 522.094+/-0.072 χ^2/NDF:13248029.8/53

All: 516.757+/-0.051 χ^2/NDF: 25573646.9/10

asym_at1_avg_mean vs Slug, Sign Corrected



Right In: 2233.444+/-587.904 χ^2/NDF: 22.9/23

Left Out: 1907.369+/-443.523 χ^2/NDF:36.3/24

Right Out: 2376.227+/-577.538 χ^2/NDF: 30.8/28

Left In: 1926.570+/-454.880 χ^2/NDF:24.8/22

Left: 1916.727+/-317.557 χ^2/NDF: 61.0/47

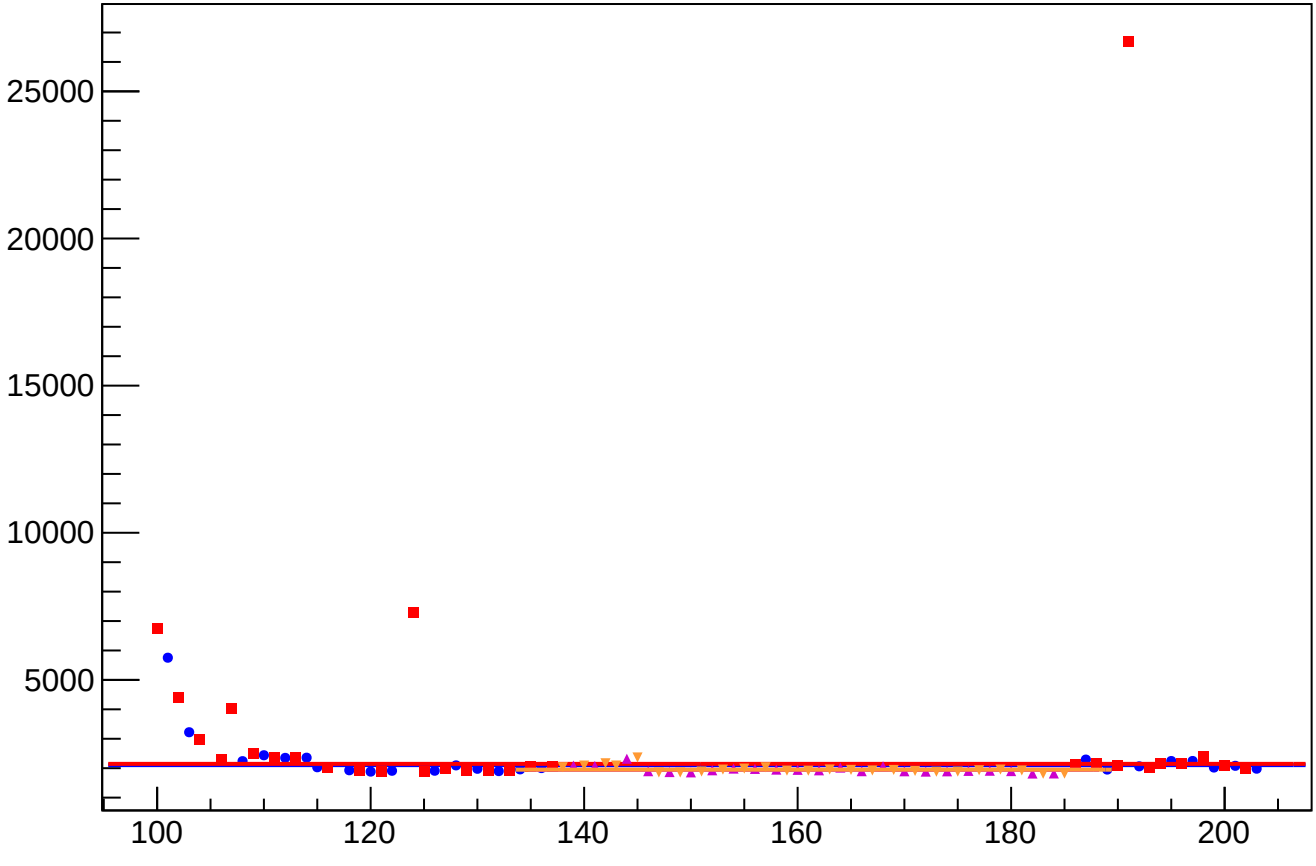
Right: 2306.106+/-411.997 χ^2/NDF: 53.7/52

In: 2041.487+/-359.765 χ^2/NDF:47.8/46

Out: 2081.302+/-351.764 χ^2/NDF:67.5/53

All: 2061.842+/-251.516 χ^2/NDF: 115.3/100

asym_at1_avg_rms vs Slug, Sign Corrected



Right In: 2104.157+/-0.416 χ^2/NDF: 793236.6/23

Left Out: 1949.001+/-0.314 χ^2/NDF:108523.9/24

Right Out: 2146.761+/-0.408 χ^2/NDF: 1167682.1/28

Left In: 1945.132+/-0.322 χ^2/NDF:95954.5/22

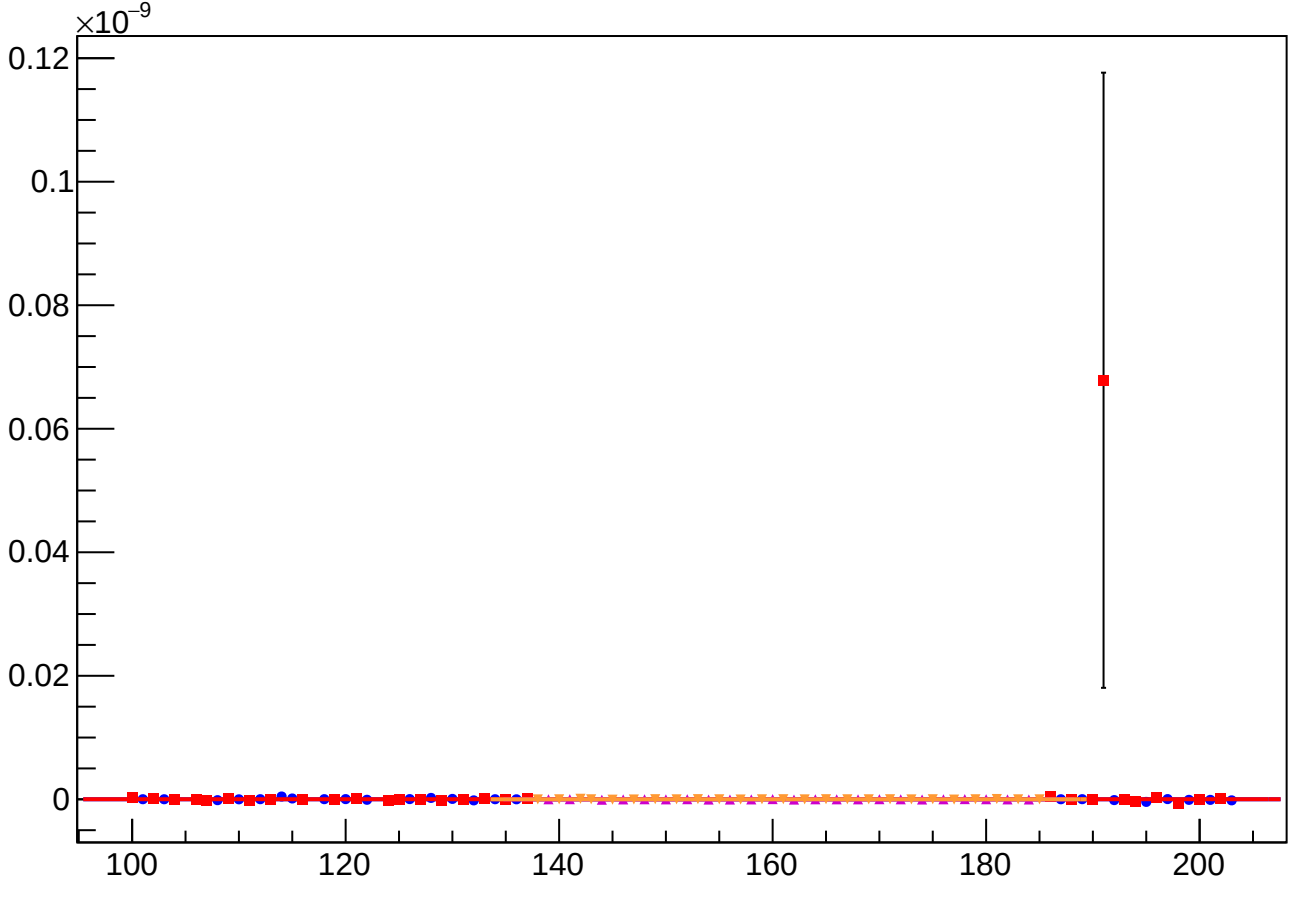
Left: 1947.116+/-0.225 χ^2/NDF: 204552.7/47

Right: 2125.838+/-0.291 χ^2/NDF: 1966263.4/52

In: 2004.683+/-0.254 χ^2/NDF:980727.4/46

Out: 2022.365+/-0.249 χ^2/NDF:1423713.4/53

All: 2013.723+/-0.178 χ^2/NDF: 2406910.6/10



Right In: 0.000+/-0.000 χ^2/NDF: 28.4/23

Left Out: 0.000+/-0.000 χ^2/NDF:28.7/24

Right Out: 0.000+/-0.000 χ^2/NDF: 29.8/28

Left In: -0.000+/-0.000 χ^2/NDF:31.1/22

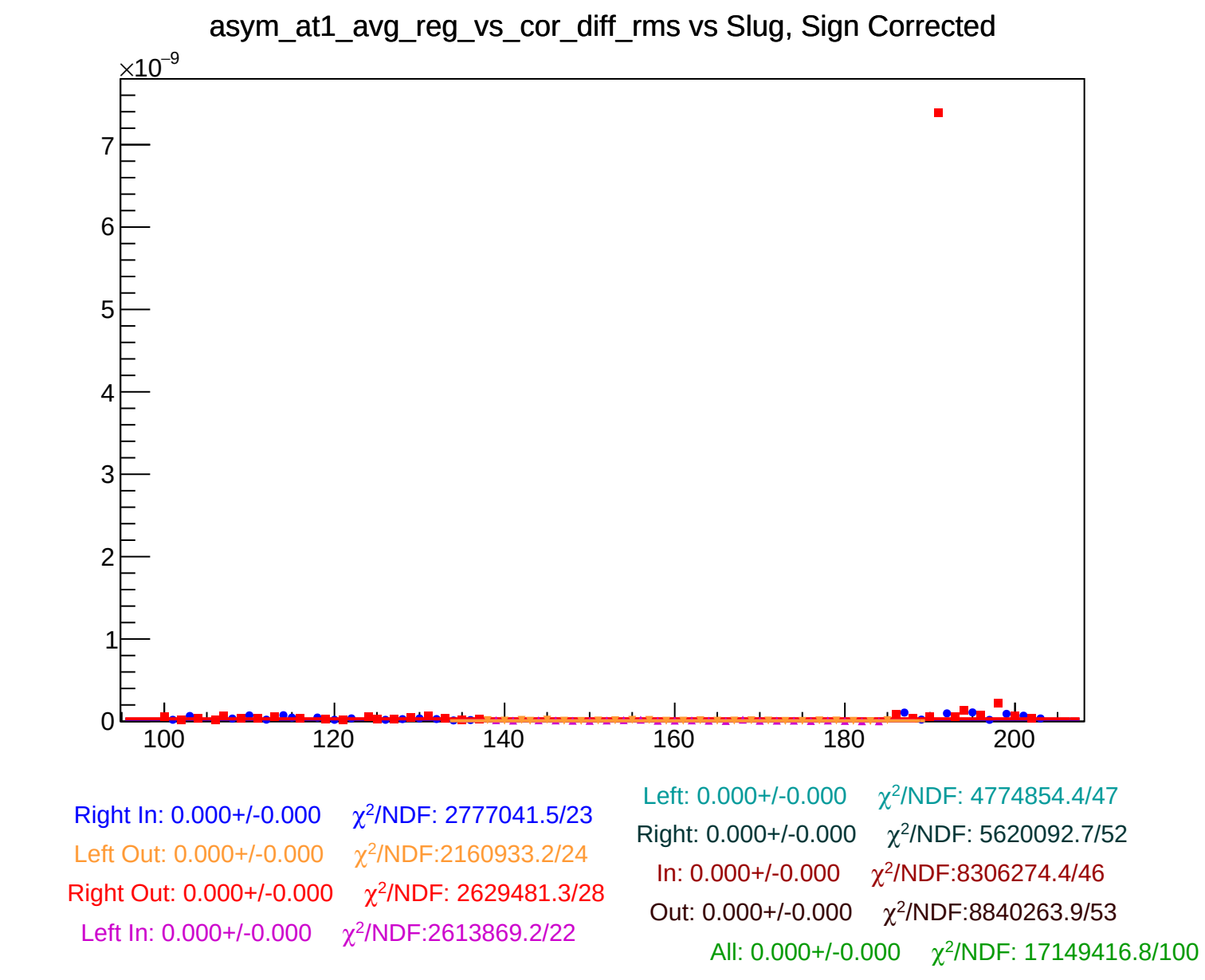
Left: -0.000+/-0.000 χ^2/NDF: 60.4/47

Right: 0.000+/-0.000 χ^2/NDF: 58.5/52

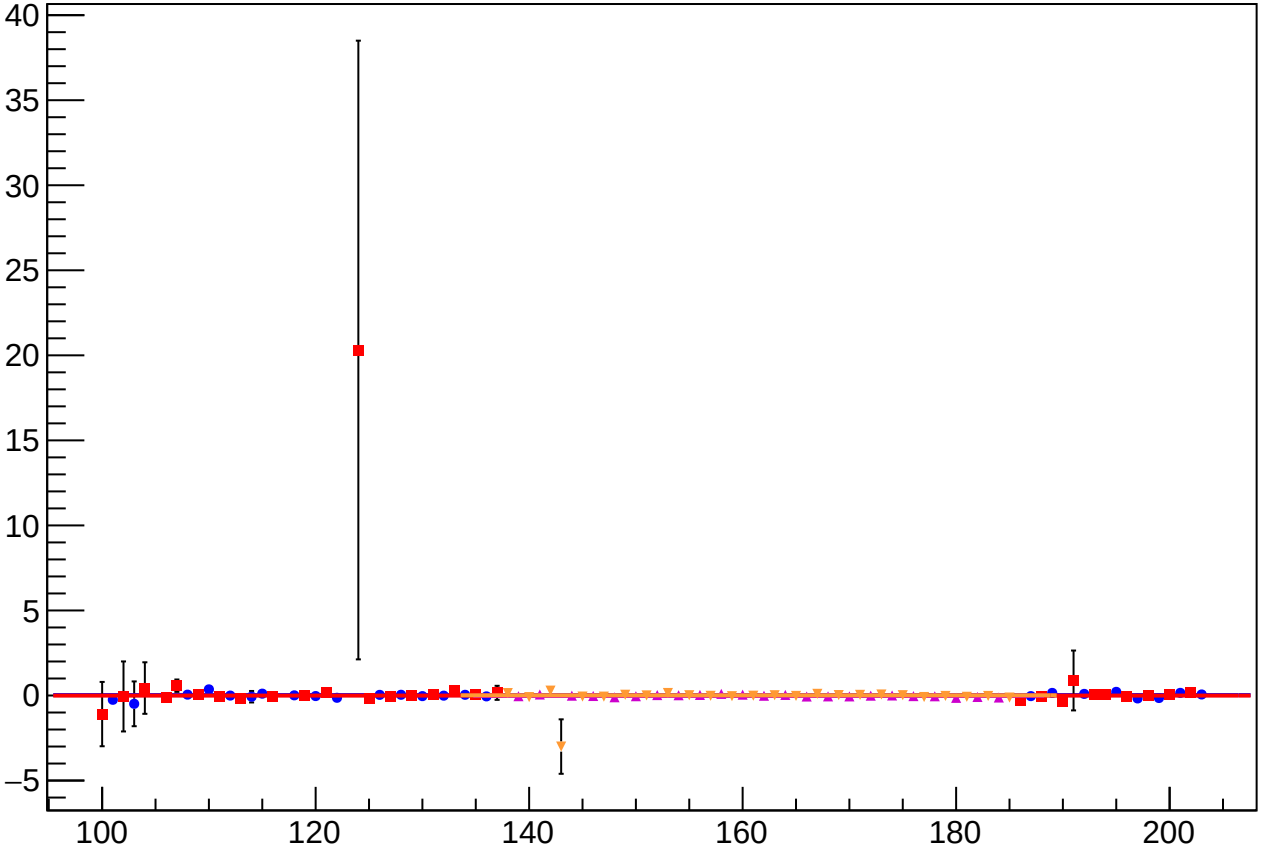
In: -0.000+/-0.000 χ^2/NDF:59.8/46

Out: 0.000+/-0.000 χ^2/NDF:59.3/53

All: -0.000+/-0.000 χ^2/NDF: 119.8/100


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: 2777041.5/23
Left Out: 0.000+/-0.000 χ²/NDF:2160933.2/24
Right Out: 0.000+/-0.000 χ²/NDF: 2629481.3/28
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: 5620092.7/52
In: 0.000+/-0.000 χ²/NDF:8306274.4/46
Out: 0.000+/-0.000 χ²/NDF:8840263.9/53
All: 0.000+/-0.000 χ²/NDF: 17149416.8/100

asym_at1_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.025+/-0.022 χ^2/NDF: 20.0/23

Left Out: 0.011+/-0.012 χ^2/NDF:29.6/24

Right Out: -0.004+/-0.022 χ^2/NDF: 26.8/28

Left In: -0.018+/-0.012 χ^2/NDF:20.3/22

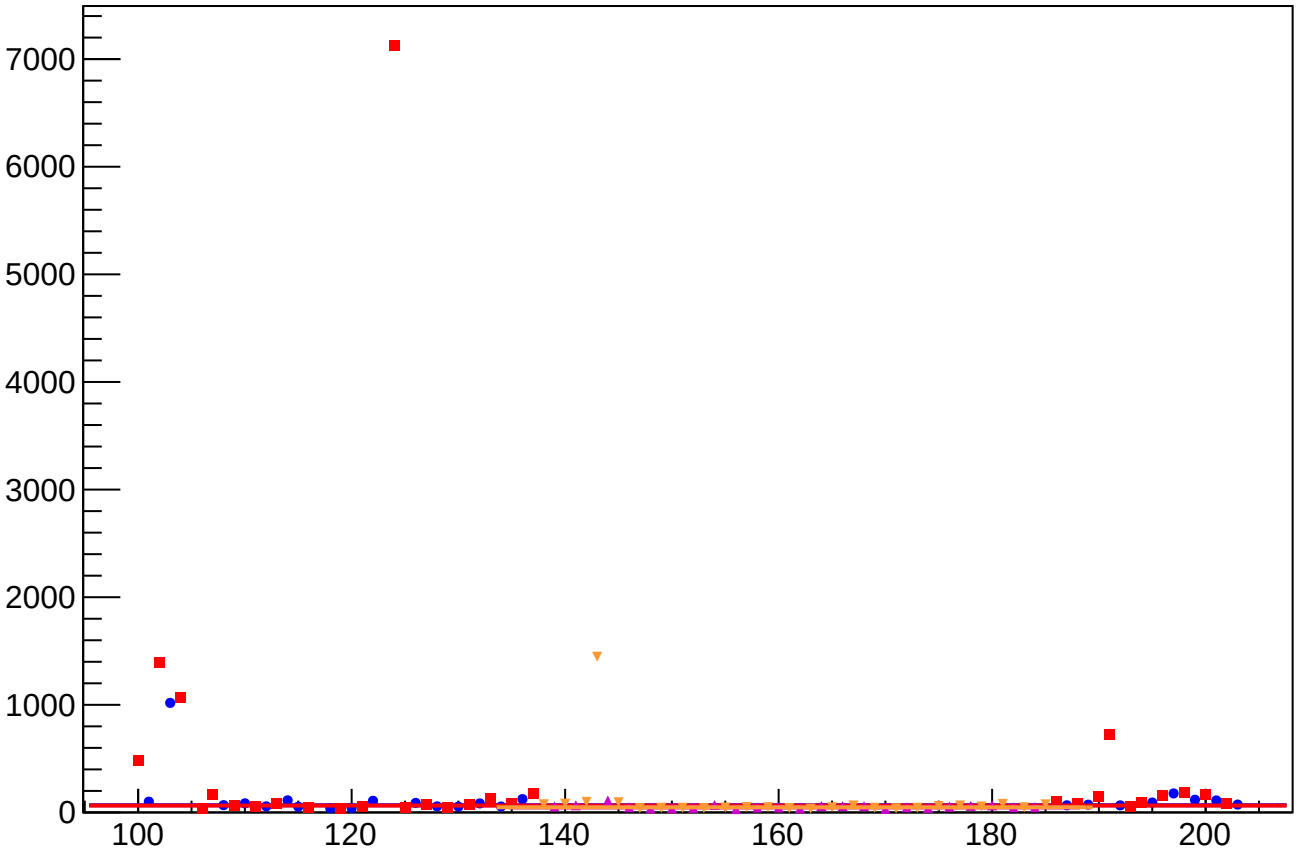
Left: -0.004+/-0.009 χ^2/NDF: 52.8/47

Right: 0.010+/-0.016 χ^2/NDF: 47.7/52

In: -0.008+/-0.011 χ^2/NDF:43.2/46

Out: 0.007+/-0.011 χ^2/NDF:56.8/53

All: -0.000+/-0.008 χ^2/NDF: 101.0/100



Right In: 67.087+/-0.016 χ^2/NDF: 3773358.3/23

Left Out: 47.901+/-0.009 χ^2/NDF:3496596.6/24

Right Out: 64.206+/-0.015 χ^2/NDF: 6174471.8/28

Left In: 46.786+/-0.009 χ^2/NDF:1949486.1/22

Left: 47.335+/-0.006 χ^2/NDF: 5454241.8/47

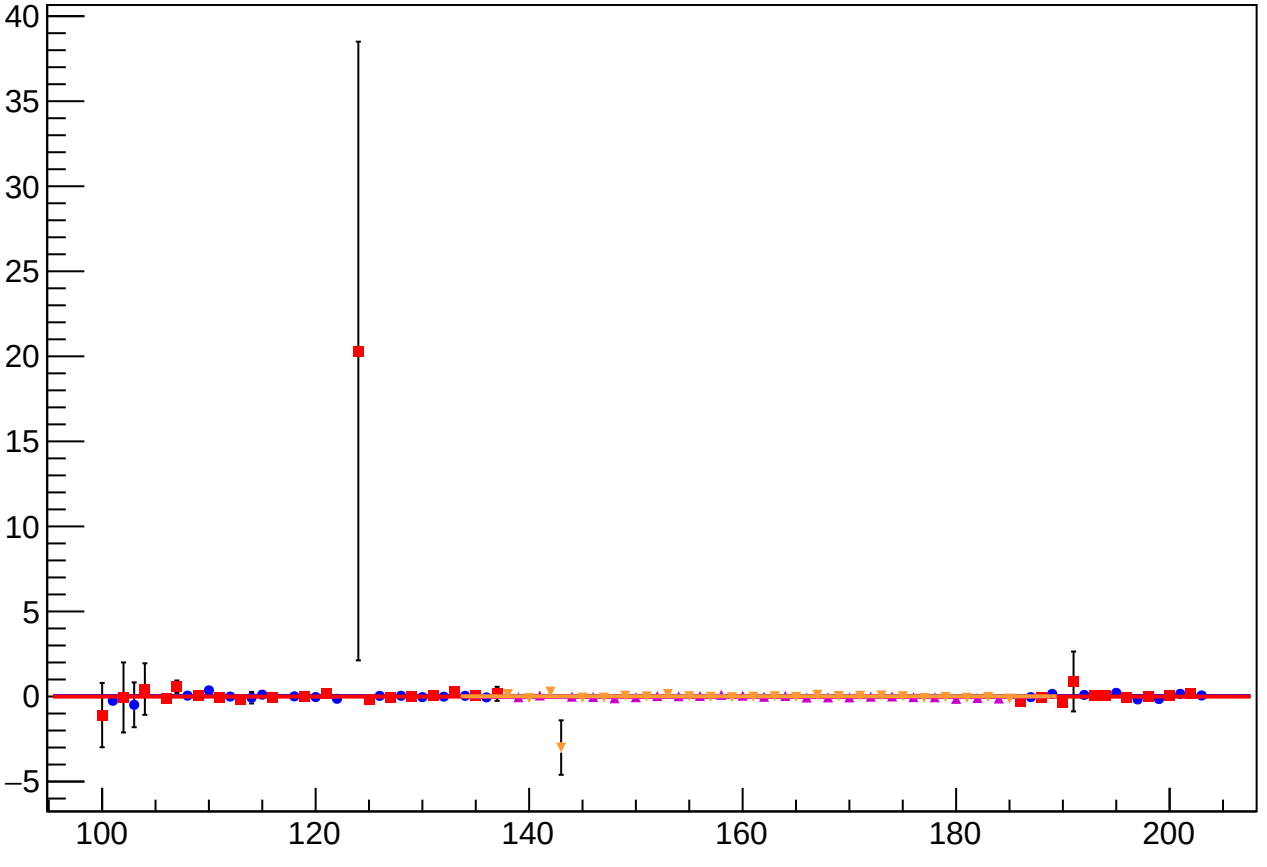
Right: 65.610+/-0.011 χ^2/NDF: 9964953.9/52

In: 51.497+/-0.008 χ^2/NDF:6996662.8/46

Out: 51.926+/-0.008 χ^2/NDF:10518914.1/53

All: 51.710+/-0.005 χ^2/NDF: 17517163.8/100

asym_at1_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.025+/-0.022 χ^2/NDF: 20.0/23

Left Out: 0.011+/-0.012 χ^2/NDF:29.6/24

Right Out: -0.004+/-0.022 χ^2/NDF: 26.8/28

Left In: -0.018+/-0.012 χ^2/NDF:20.3/22

Left: -0.004+/-0.009 χ^2/NDF: 52.8/47

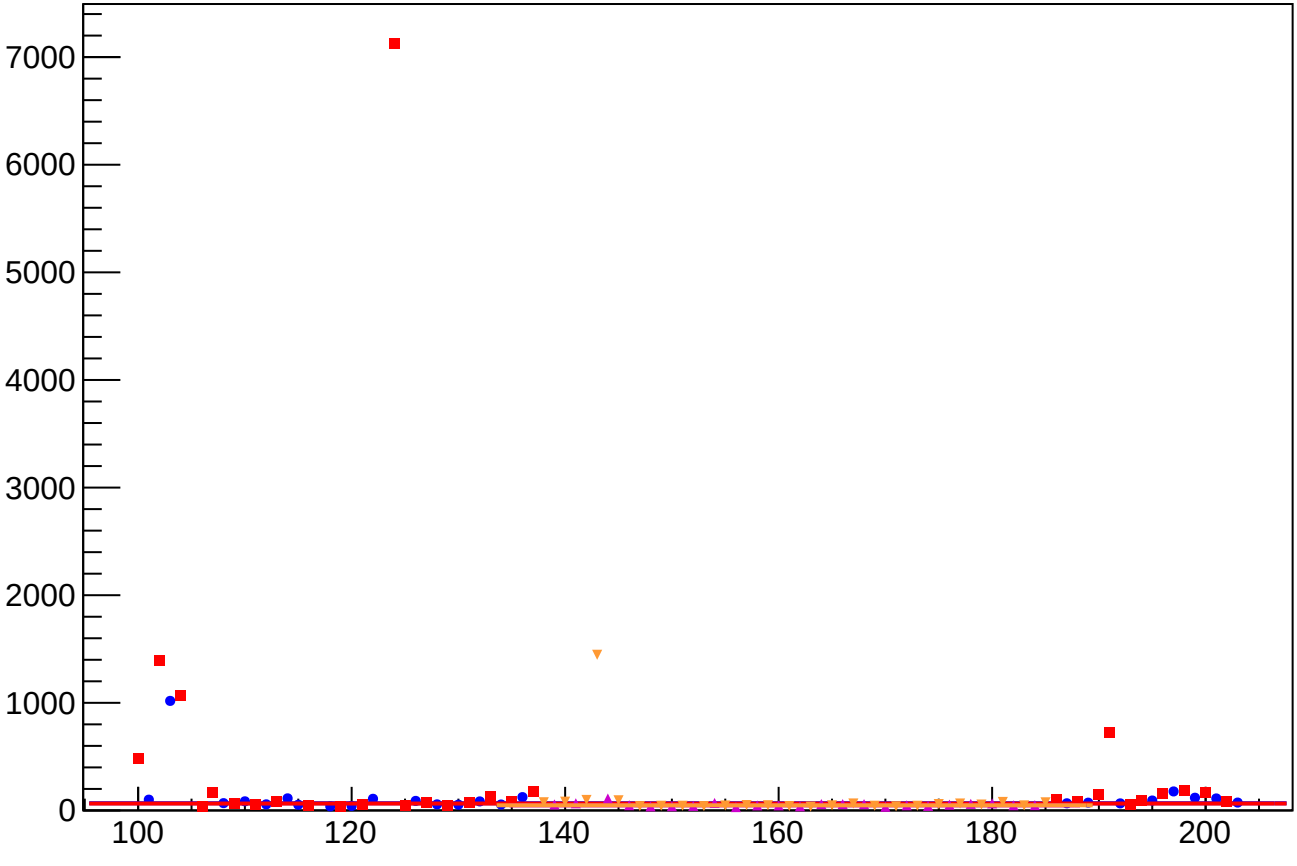
Right: 0.010+/-0.016 χ^2/NDF: 47.7/52

In: -0.008+/-0.011 χ^2/NDF:43.2/46

Out: 0.007+/-0.011 χ^2/NDF:56.8/53

All: -0.000+/-0.008 χ^2/NDF: 101.0/100

asym_at1_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 67.087+/-0.016 χ^2/NDF: 3773358.3/23

Left Out: 47.901+/-0.009 χ^2/NDF:3496596.6/24

Right Out: 64.206+/-0.015 χ^2/NDF: 6174471.8/28

Left In: 46.786+/-0.009 χ^2/NDF:1949486.1/22

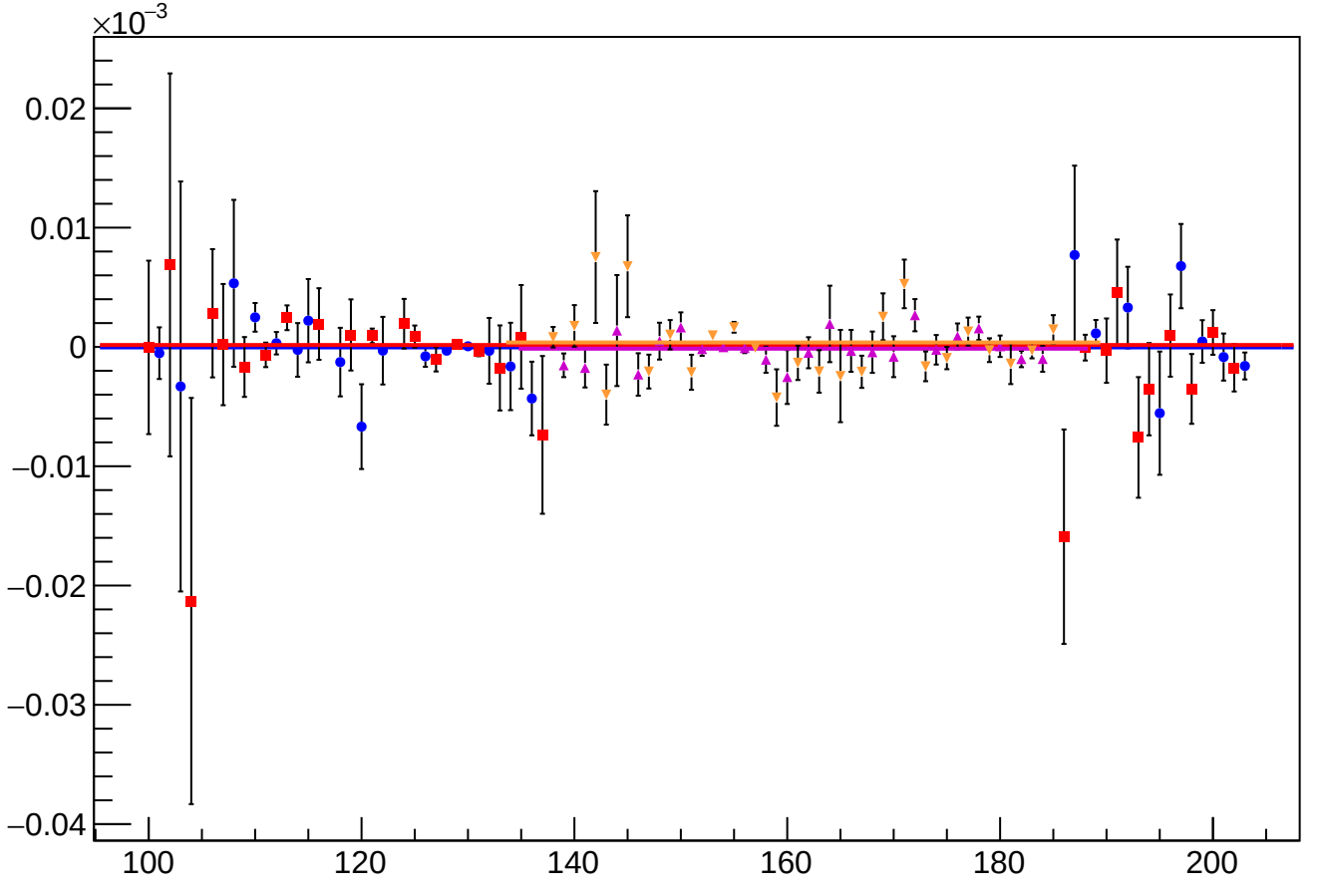
Left: 47.335+/-0.006 χ^2/NDF: 5454241.8/47

Right: 65.610+/-0.011 χ^2/NDF: 9964953.9/52

In: 51.497+/-0.008 χ^2/NDF:6996662.8/46

Out: 51.926+/-0.008 χ^2/NDF:10518914.1/53

All: 51.710+/-0.005 χ^2/NDF: 17517163.8/100



Right In: -0.000+/-0.000 χ^2/NDF: 22.9/23

Left Out: 0.000+/-0.000 χ^2/NDF:51.7/24

Right Out: 0.000+/-0.000 χ^2/NDF: 26.1/28

Left In: -0.000+/-0.000 χ^2/NDF:19.9/22

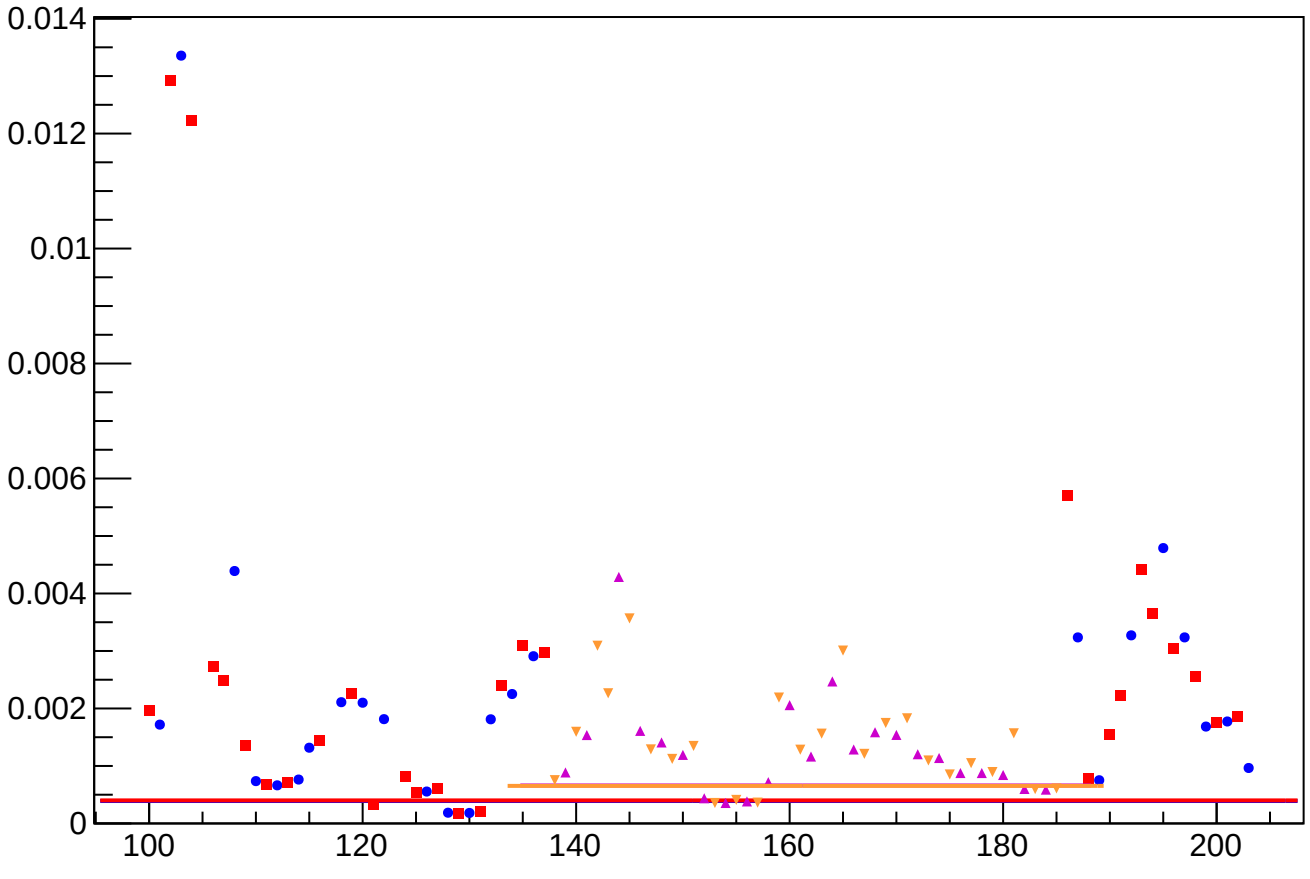
Left: 0.000+/-0.000 χ^2/NDF: 75.6/47

Right: 0.000+/-0.000 χ^2/NDF: 49.6/52

In: -0.000+/-0.000 χ^2/NDF:43.0/46

Out: 0.000+/-0.000 χ^2/NDF:78.5/53

All: 0.000+/-0.000 χ^2/NDF: 125.3/100



Right In: 0.000+/-0.000 χ^2/NDF: 16334253.7/23

Left Out: 0.001+/-0.000 χ^2/NDF:12083891.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 17092238.6/28

Left In: 0.001+/-0.000 χ^2/NDF:9695095.3/22

Left: 0.001+/-0.000 χ^2/NDF: 21780521.8/47

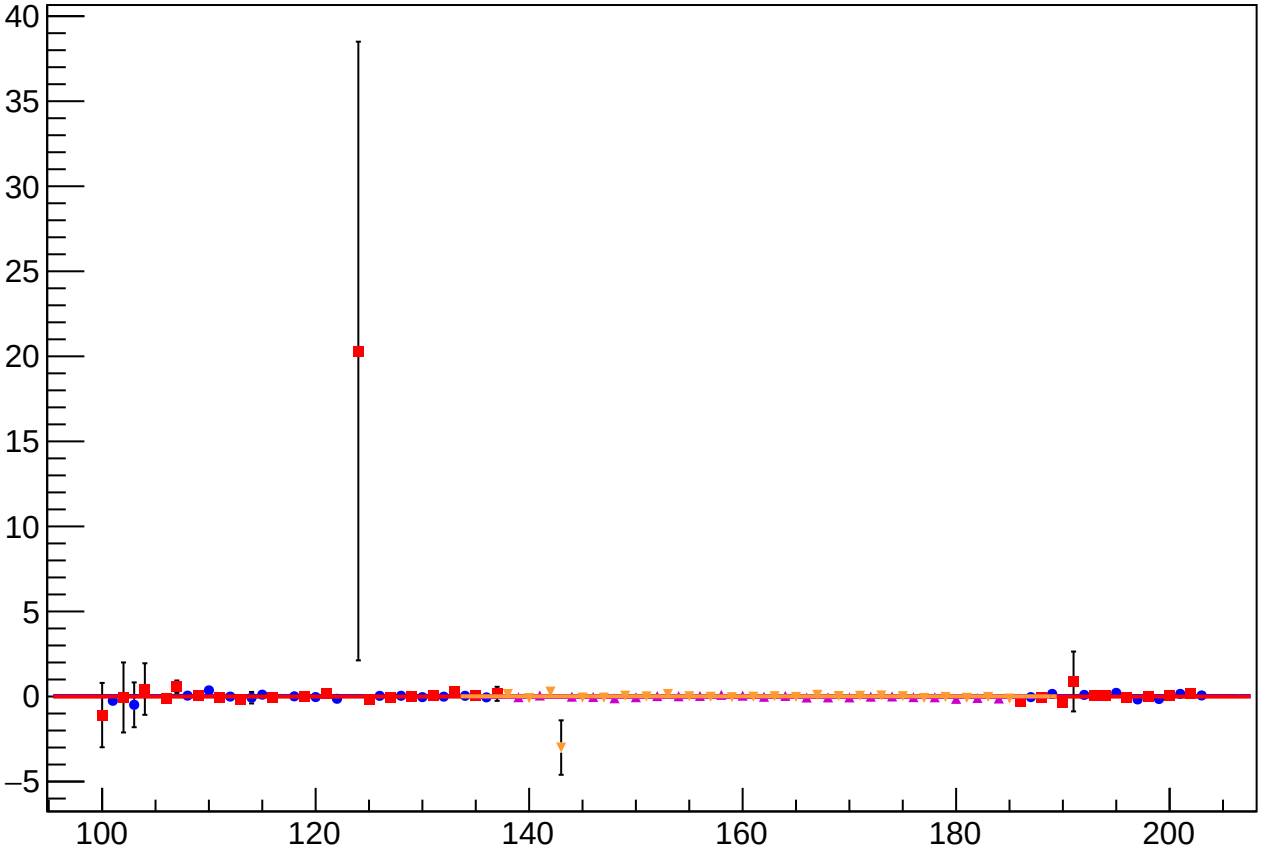
Right: 0.000+/-0.000 χ^2/NDF: 33429797.8/52

In: 0.001+/-0.000 χ^2/NDF:28129944.5/46

Out: 0.001+/-0.000 χ^2/NDF:31055549.5/53

All: 0.001+/-0.000 χ^2/NDF: 59187693.4/100

asym_at1_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.025+/-0.022 χ^2/NDF: 20.0/23

Left Out: 0.011+/-0.012 χ^2/NDF:29.6/24

Right Out: -0.004+/-0.022 χ^2/NDF: 26.8/28

Left In: -0.018+/-0.012 χ^2/NDF:20.3/22

Left: -0.004+/-0.009 χ^2/NDF: 52.8/47

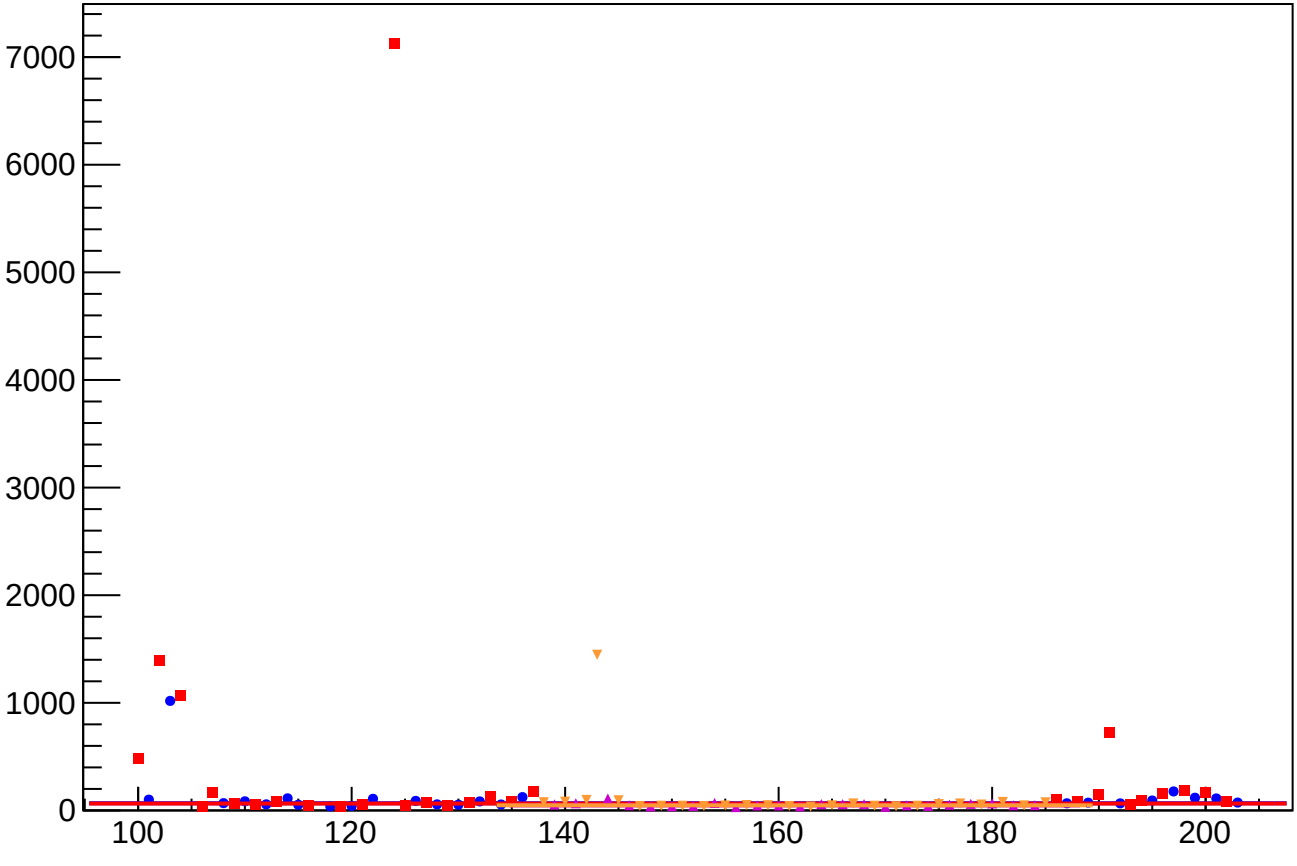
Right: 0.010+/-0.016 χ^2/NDF: 47.7/52

In: -0.008+/-0.011 χ^2/NDF:43.2/46

Out: 0.007+/-0.011 χ^2/NDF:56.8/53

All: -0.000+/-0.008 χ^2/NDF: 101.0/100

asym_at1_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 67.087+/-0.016 χ^2/NDF: 3773399.7/23

Left Out: 47.902+/-0.009 χ^2/NDF:3496571.8/24

Right Out: 64.205+/-0.015 χ^2/NDF: 6174634.5/28

Left In: 46.786+/-0.009 χ^2/NDF:1949480.3/22

Left: 47.335+/-0.006 χ^2/NDF: 5454214.5/47

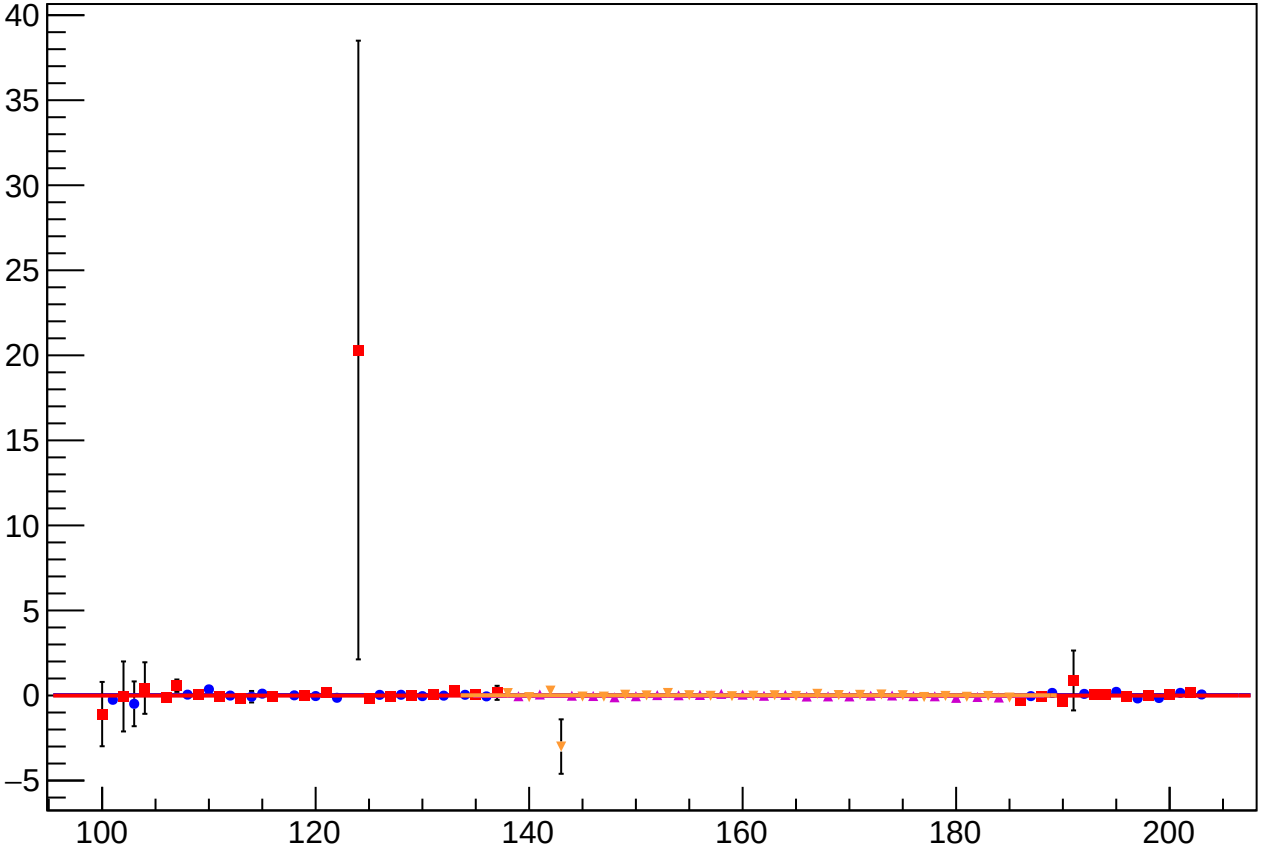
Right: 65.610+/-0.011 χ^2/NDF: 9965170.6/52

In: 51.497+/-0.008 χ^2/NDF:6996697.3/46

Out: 51.926+/-0.008 χ^2/NDF:10518931.4/53

All: 51.710+/-0.005 χ^2/NDF: 17517215.7/100

asym_at1_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.025+/-0.022 χ^2/NDF: 20.0/23

Left Out: 0.011+/-0.012 χ^2/NDF:29.6/24

Right Out: -0.004+/-0.022 χ^2/NDF: 26.8/28

Left In: -0.018+/-0.012 χ^2/NDF:20.3/22

Left: -0.004+/-0.009 χ^2/NDF: 52.8/47

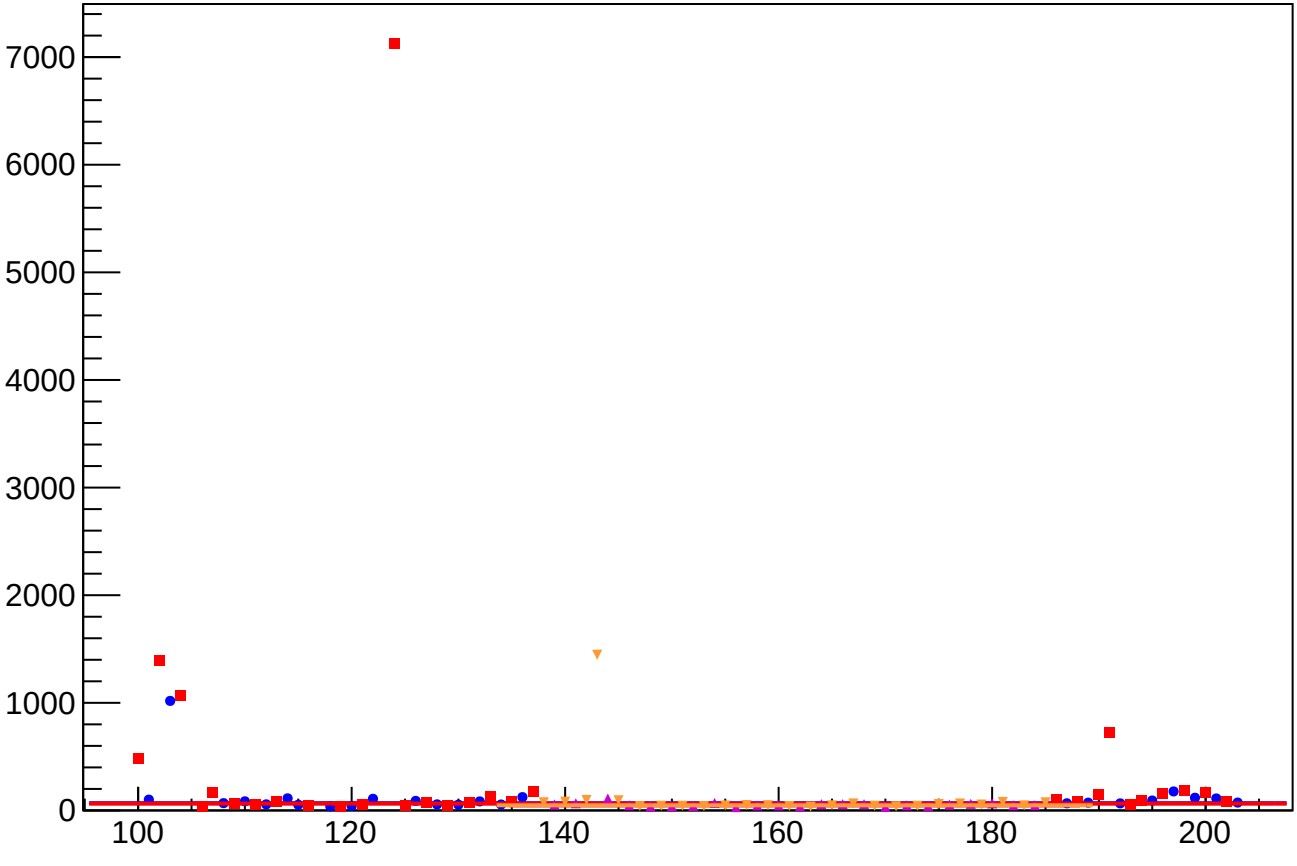
Right: 0.010+/-0.016 χ^2/NDF: 47.7/52

In: -0.008+/-0.011 χ^2/NDF:43.2/46

Out: 0.007+/-0.011 χ^2/NDF:56.8/53

All: -0.000+/-0.008 χ^2/NDF: 101.0/100

asym_at1_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 67.087+/-0.016 χ^2/NDF: 3773399.7/23

Left Out: 47.902+/-0.009 χ^2/NDF:3496571.8/24

Right Out: 64.205+/-0.015 χ^2/NDF: 6174634.5/28

Left In: 46.786+/-0.009 χ^2/NDF:1949480.3/22

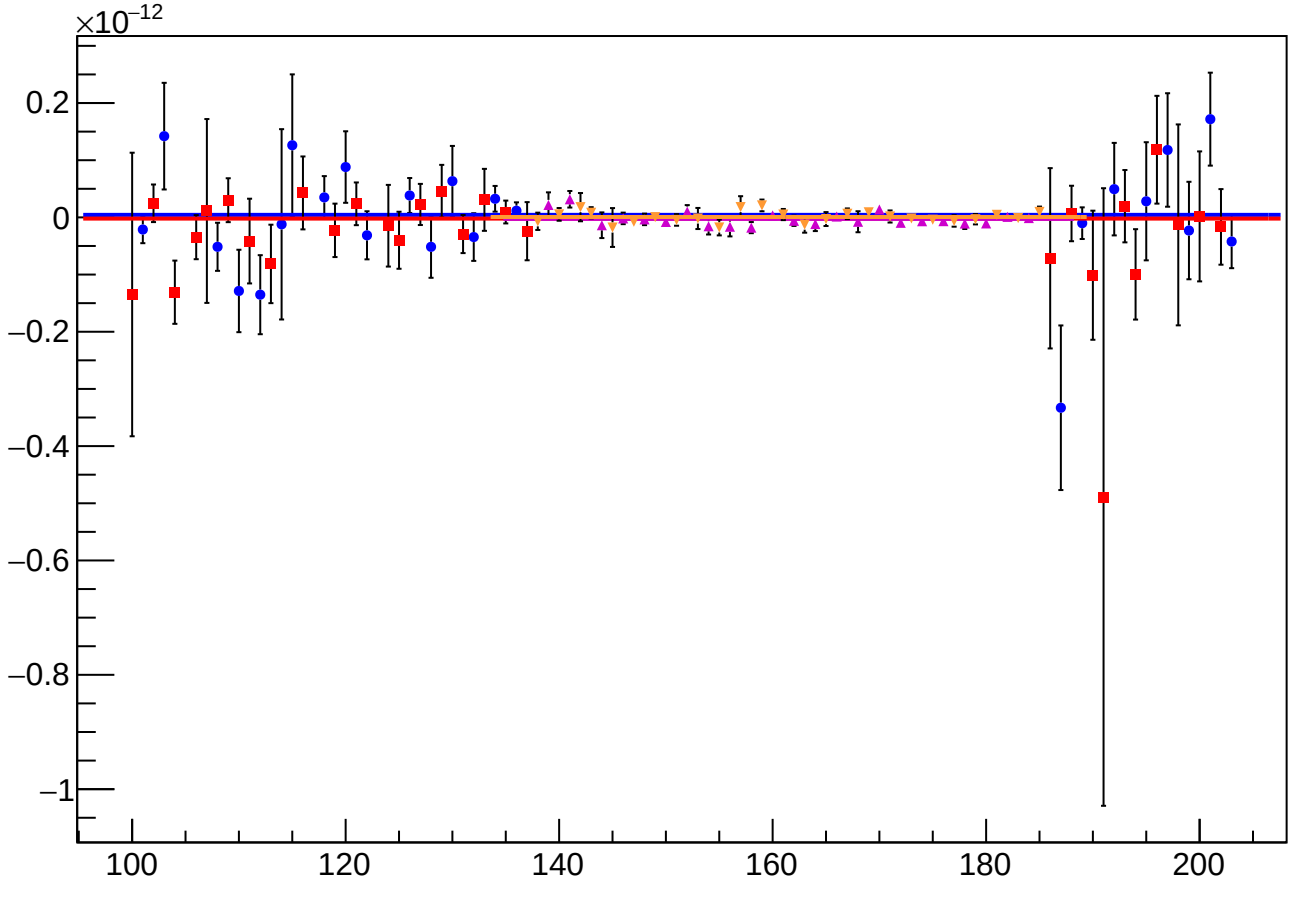
Left: 47.335+/-0.006 χ^2/NDF: 5454214.5/47

Right: 65.610+/-0.011 χ^2/NDF: 9965170.6/52

In: 51.497+/-0.008 χ^2/NDF:6996697.3/46

Out: 51.926+/-0.008 χ^2/NDF:10518931.4/53

All: 51.710+/-0.005 χ^2/NDF: 17517215.7/100



Right In: 0.000+/-0.000 χ^2/NDF: 35.4/23

Left Out: 0.000+/-0.000 χ^2/NDF:15.1/24

Right Out: -0.000+/-0.000 χ^2/NDF: 19.4/28

Left In: -0.000+/-0.000 χ^2/NDF:21.8/22

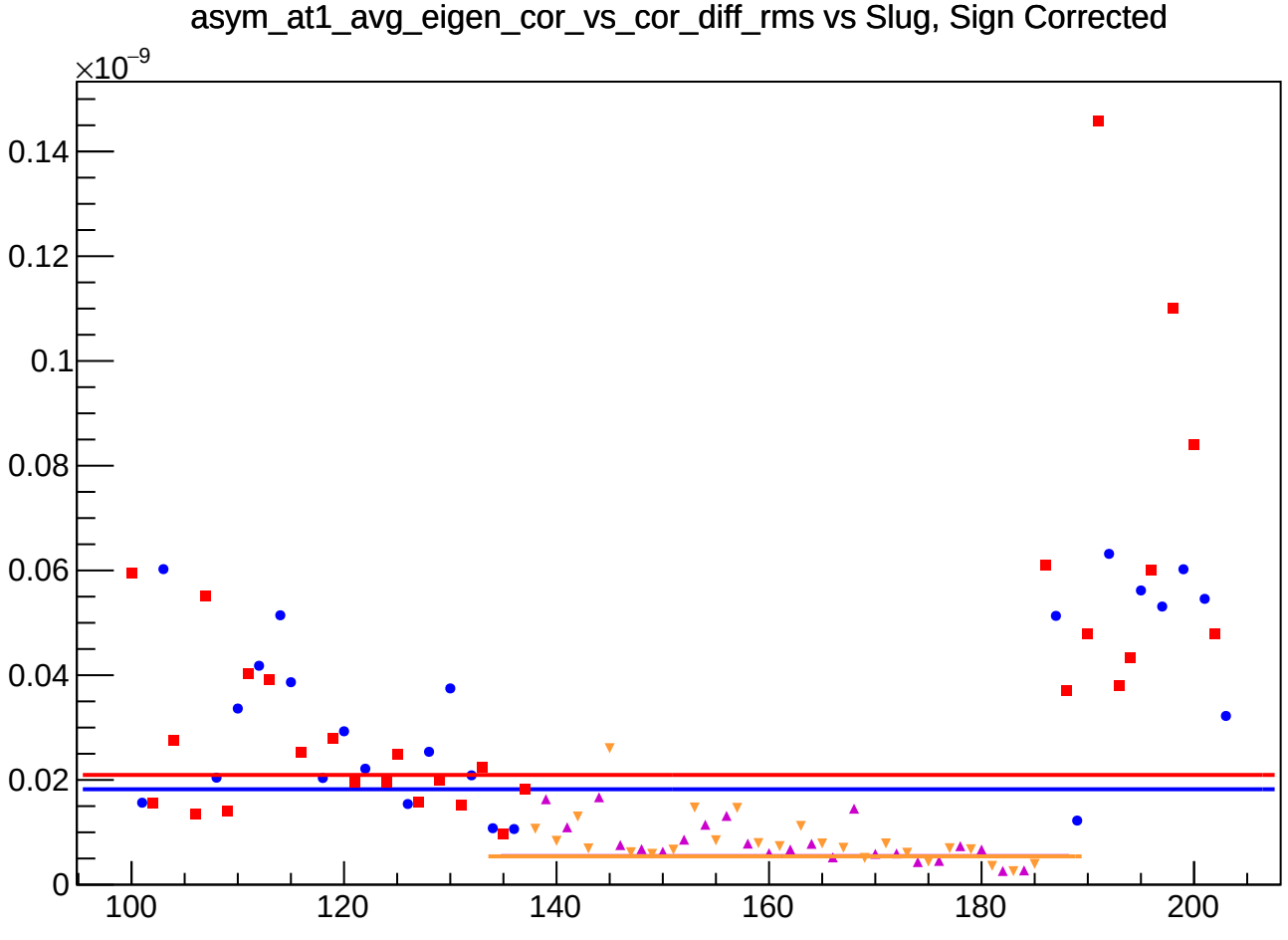
Left: -0.000+/-0.000 χ^2/NDF: 38.7/47

Right: 0.000+/-0.000 χ^2/NDF: 55.1/52

In: -0.000+/-0.000 χ^2/NDF:57.9/46

Out: 0.000+/-0.000 χ^2/NDF:34.6/53

All: -0.000+/-0.000 χ^2/NDF: 94.0/100



Right In: 0.000+/-0.000 χ^2/NDF: 4392016.6/23

Left Out: 0.000+/-0.000 χ^2/NDF:5134602.9/24

Right Out: 0.000+/-0.000 χ^2/NDF: 4139164.0/28

Left In: 0.000+/-0.000 χ^2/NDF:4905821.2/22

Left: 0.000+/-0.000 χ^2/NDF: 10041467.9/47

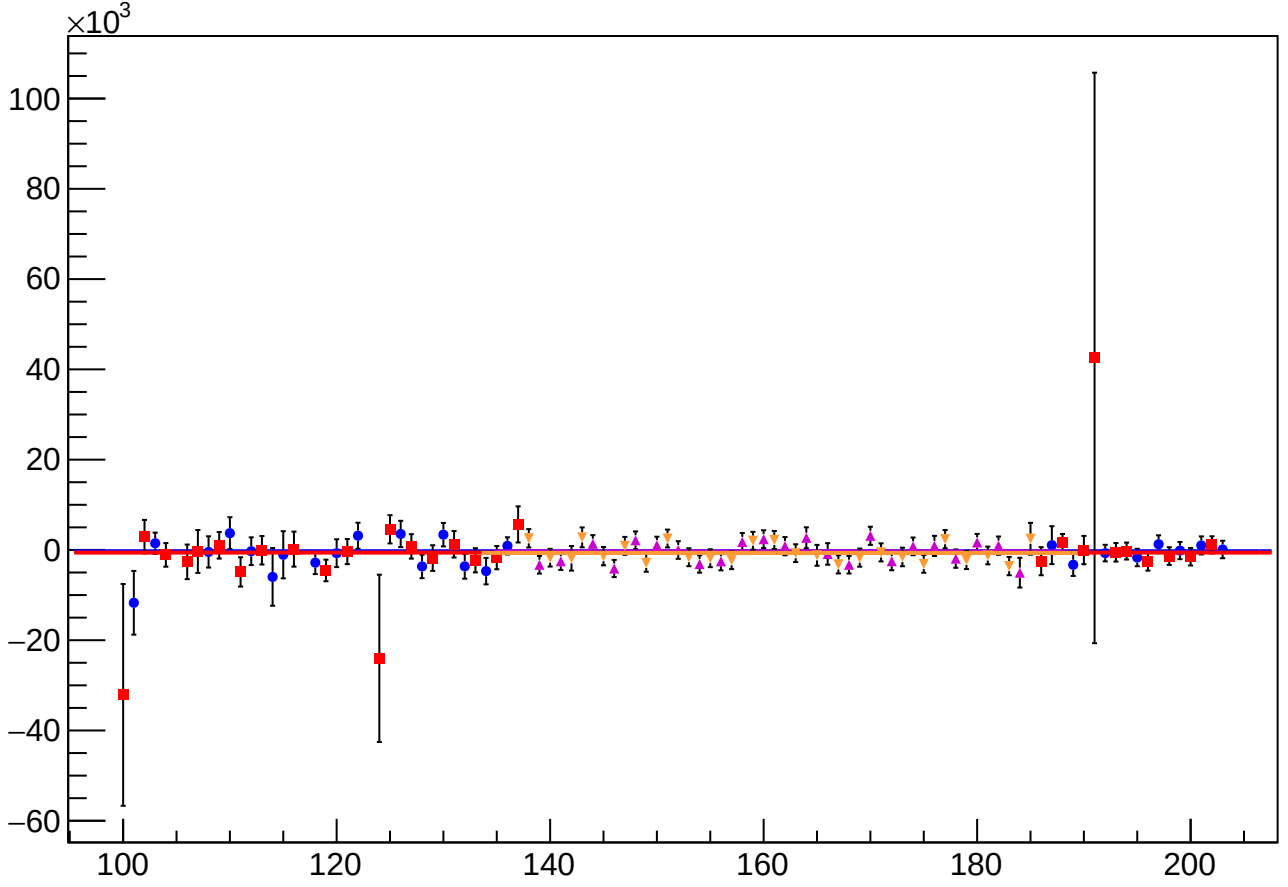
Right: 0.000+/-0.000 χ^2/NDF: 8632558.1/52

In: 0.000+/-0.000 χ^2/NDF:14207475.2/46

Out: 0.000+/-0.000 χ^2/NDF:14822349.9/53

All: 0.000+/-0.000 χ^2/NDF: 29036584.7/100

reg_asym_at1_dd_mean vs Slug, Sign Corrected



Right In: -283.800+/-521.018 χ^2/NDF: 20.5/23

Left Out: -670.041+/-412.206 χ^2/NDF:24.7/24

Right Out: -591.152+/-506.687 χ^2/NDF: 20.3/28

Left In: -342.945+/-422.712 χ^2/NDF:30.1/22

Left: -510.608+/-295.118 χ^2/NDF: 55.1/47

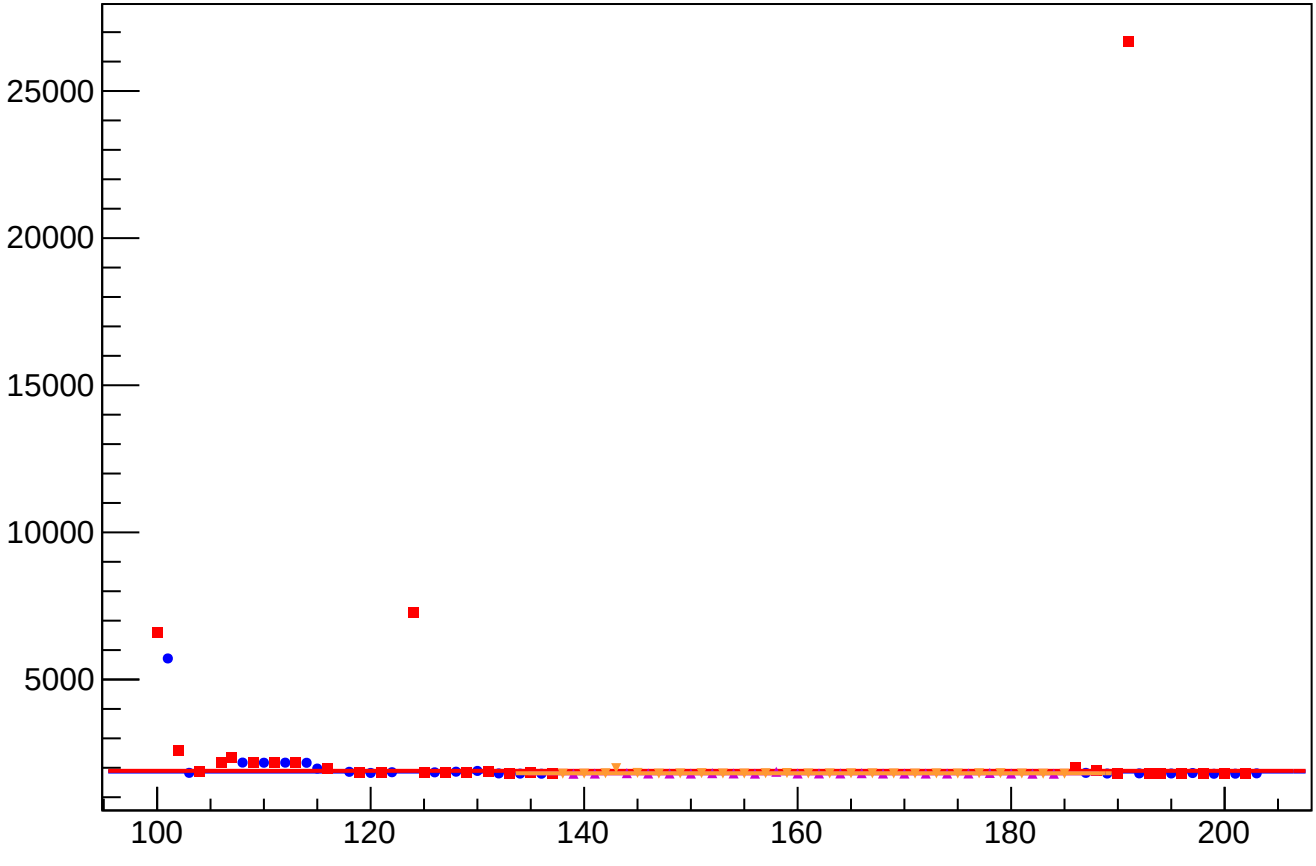
Right: -441.761+/-363.242 χ^2/NDF: 40.9/52

In: -319.468+/-328.262 χ^2/NDF:50.5/46

Out: -638.623+/-319.757 χ^2/NDF:45.0/53

All: -483.233+/-229.050 χ^2/NDF: 96.1/100

reg_asym_at1_dd_rms vs Slug, Sign Corrected



Right In: 1871.456+/-0.368 χ^2/NDF: 669459.6/23

Left Out: 1814.435+/-0.291 χ^2/NDF:13102.1/24

Right Out: 1896.466+/-0.358 χ^2/NDF: 738862.1/28

Left In: 1810.457+/-0.299 χ^2/NDF:1967.2/22

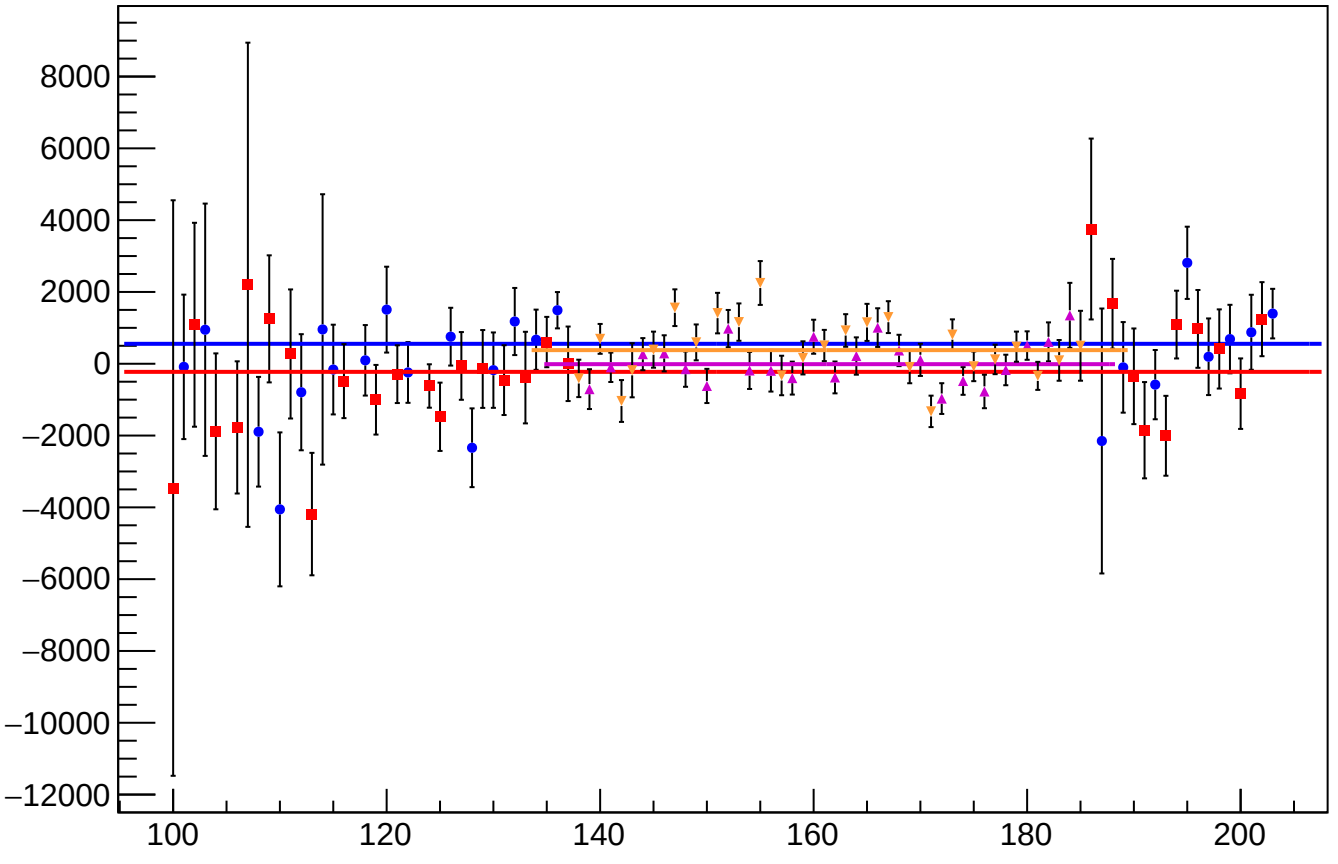
Left: 1812.496+/-0.209 χ^2/NDF: 15160.0/47

Right: 1884.309+/-0.257 χ^2/NDF: 1410690.3/52

In: 1834.671+/-0.232 χ^2/NDF:687958.3/46

Out: 1847.104+/-0.226 χ^2/NDF:783508.7/53

All: 1841.050+/-0.162 χ^2/NDF: 1472939.3/10



Right In: 555.343+/-209.839 χ^2/NDF: 30.4/23

Left Out: 379.353+/-97.013 χ^2/NDF:62.3/24

Right Out: -225.636+/-207.871 χ^2/NDF: 27.1/28

Left In: -11.527+/-98.976 χ^2/NDF:31.1/22

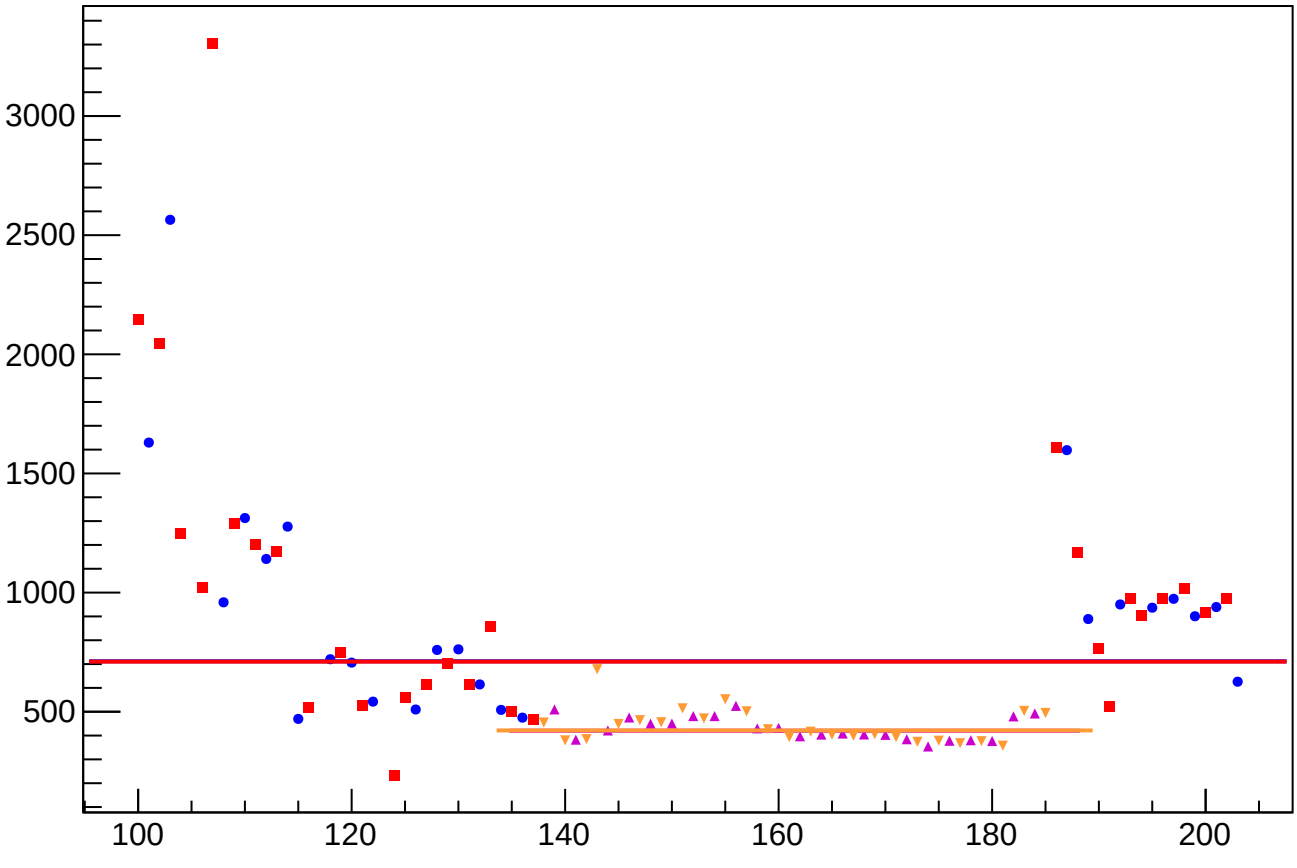
Left: 187.827+/-69.282 χ^2/NDF: 101.4/47

Right: 161.175+/-147.678 χ^2/NDF: 64.5/52

In: 91.637+/-89.518 χ^2/NDF:67.5/46

Out: 271.149+/-87.911 χ^2/NDF:96.4/53

All: 183.019+/-62.723 χ^2/NDF: 165.9/100



Right In: 711.688+/-0.148 χ^2/NDF: 2937091.7/23

Left Out: 421.417+/-0.069 χ^2/NDF:743048.1/24

Right Out: 710.294+/-0.147 χ^2/NDF: 4582569.1/28

Left In: 420.222+/-0.070 χ^2/NDF:413129.7/22

Left: 420.831+/-0.049 χ^2/NDF: 1156326.3/47

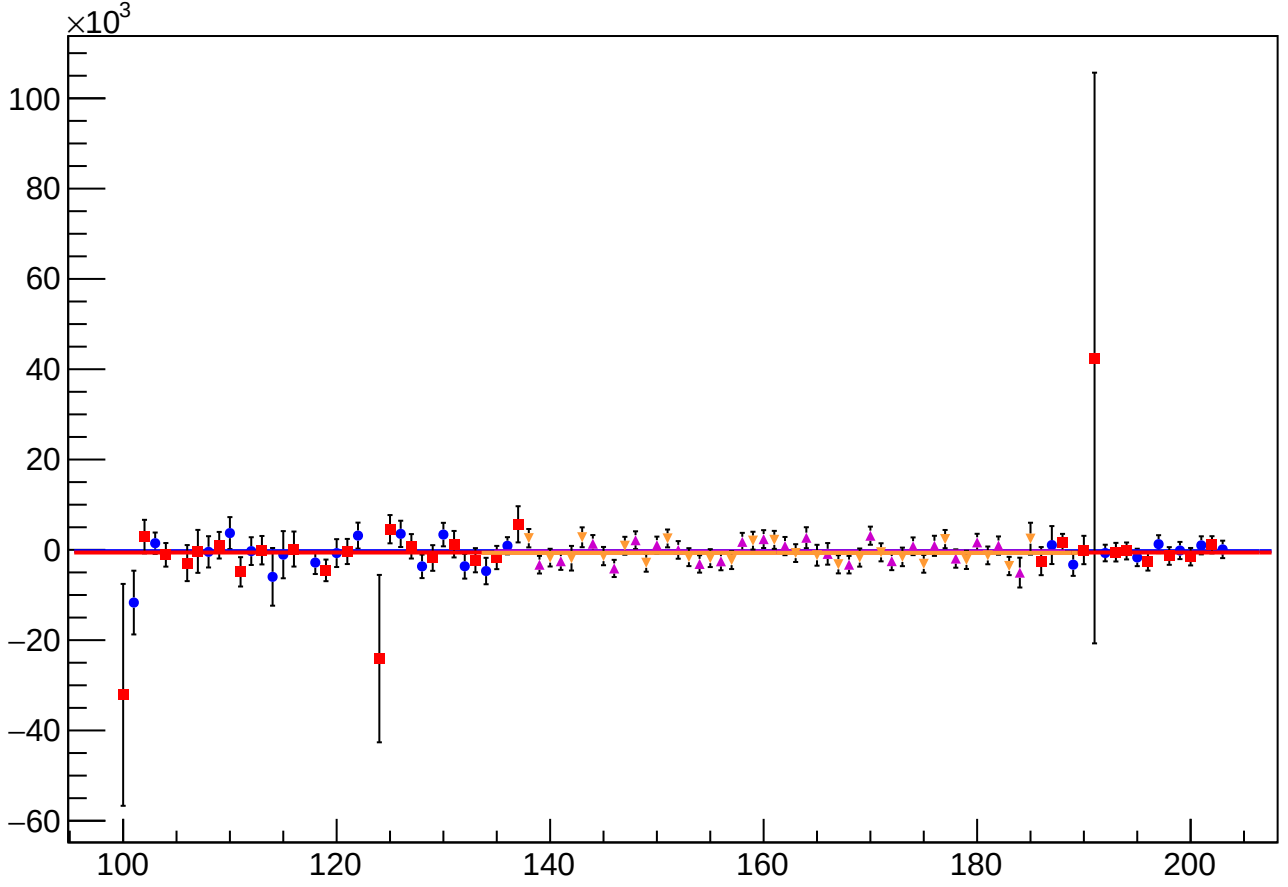
Right: 710.985+/-0.104 χ^2/NDF: 7519705.3/52

In: 473.266+/-0.063 χ^2/NDF:6506625.1/46

Out: 473.083+/-0.062 χ^2/NDF:8497308.6/53

All: 473.173+/-0.044 χ^2/NDF: 15003938.0/10

cor_asym_at1_dd_mean vs Slug, Sign Corrected



Right In: -283.391+/-521.018 χ^2/NDF: 20.5/23

Left Out: -670.031+/-412.206 χ^2/NDF:24.7/24

Right Out: -593.272+/-507.037 χ^2/NDF: 20.3/28

Left In: -342.989+/-422.712 χ^2/NDF:30.1/22

Left: -510.625+/-295.118 χ^2/NDF: 55.1/47

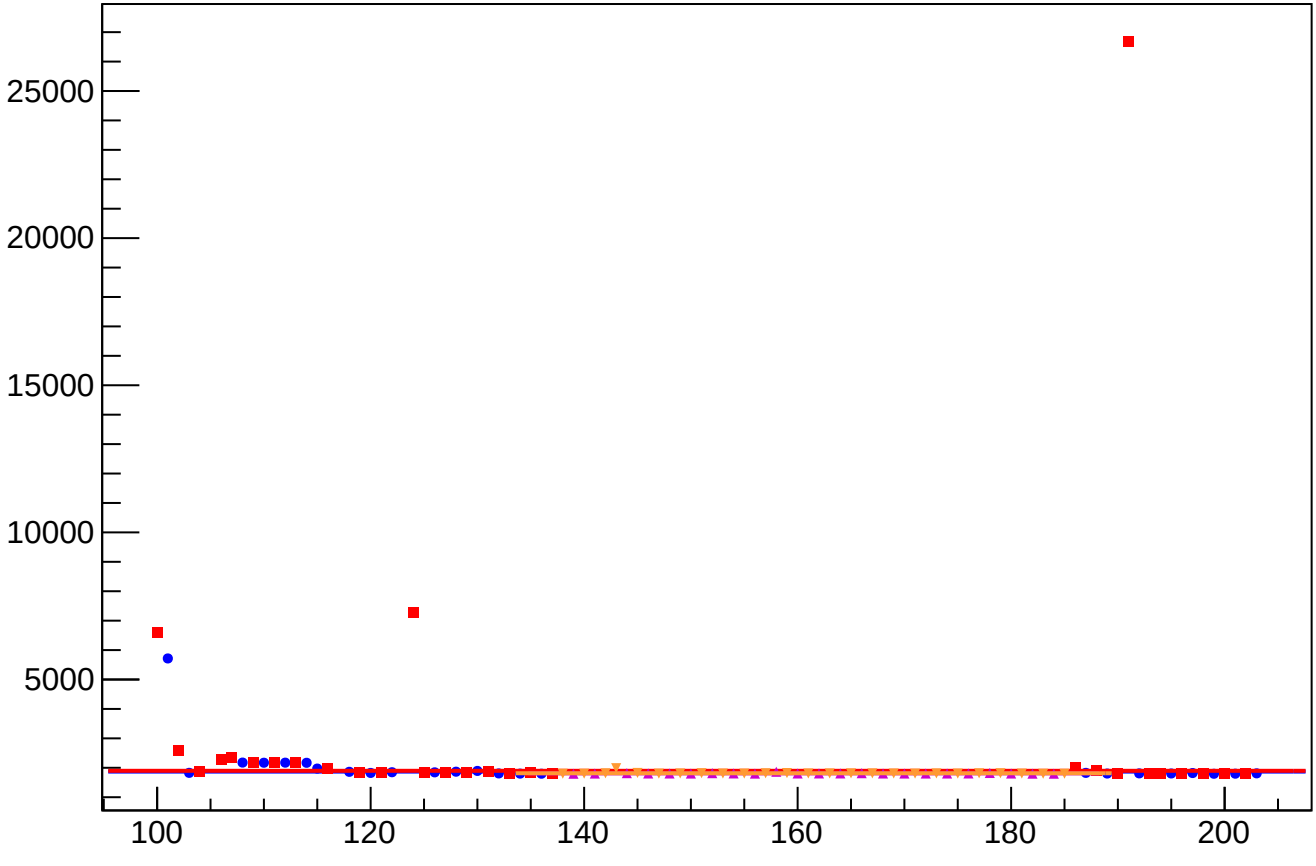
Right: -442.545+/-363.371 χ^2/NDF: 41.0/52

In: -319.332+/-328.262 χ^2/NDF:50.5/46

Out: -639.487+/-319.845 χ^2/NDF:45.1/53

All: -483.567+/-229.082 χ^2/NDF: 96.1/100

cor_asym_at1_dd_rms vs Slug, Sign Corrected



Right In: 1871.456+/-0.368 χ^2/NDF: 669459.5/23

Left Out: 1814.435+/-0.291 χ^2/NDF:13102.1/24

Right Out: 1897.386+/-0.359 χ^2/NDF: 744768.0/28

Left In: 1810.457+/-0.299 χ^2/NDF:1967.2/22

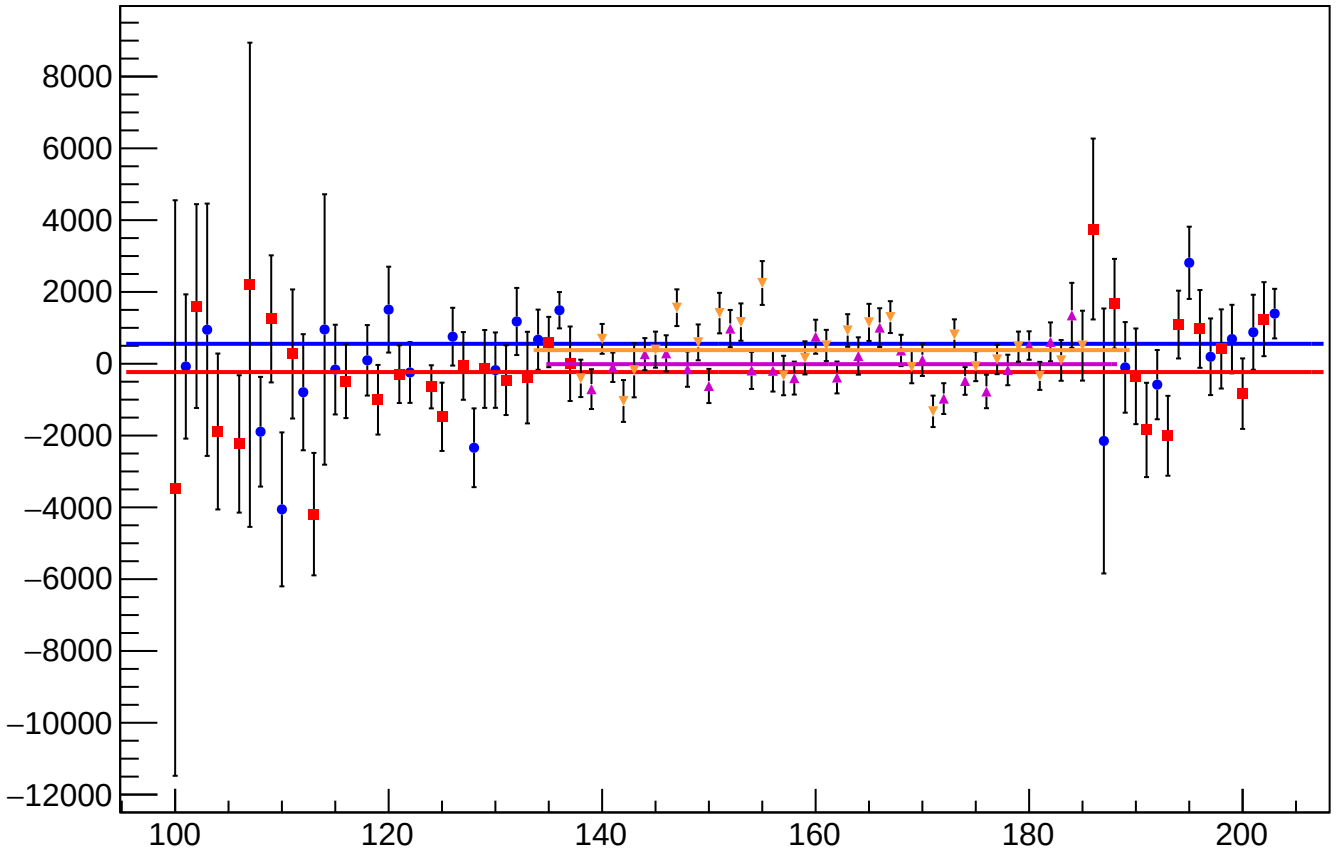
Left: 1812.496+/-0.209 χ^2/NDF: 15160.0/47

Right: 1884.773+/-0.257 χ^2/NDF: 1416771.8/52

In: 1834.671+/-0.232 χ^2/NDF:687958.2/46

Out: 1847.443+/-0.226 χ^2/NDF:790099.1/53

All: 1841.223+/-0.162 χ^2/NDF: 1479610.5/10



Right In: 555.383+/-209.834 χ^2/NDF: 30.4/23

Left Out: 379.343+/-97.014 χ^2/NDF:62.3/24

Right Out: -231.735+/-207.682 χ^2/NDF: 27.8/28

Left In: -11.539+/-98.975 χ^2/NDF:31.1/22

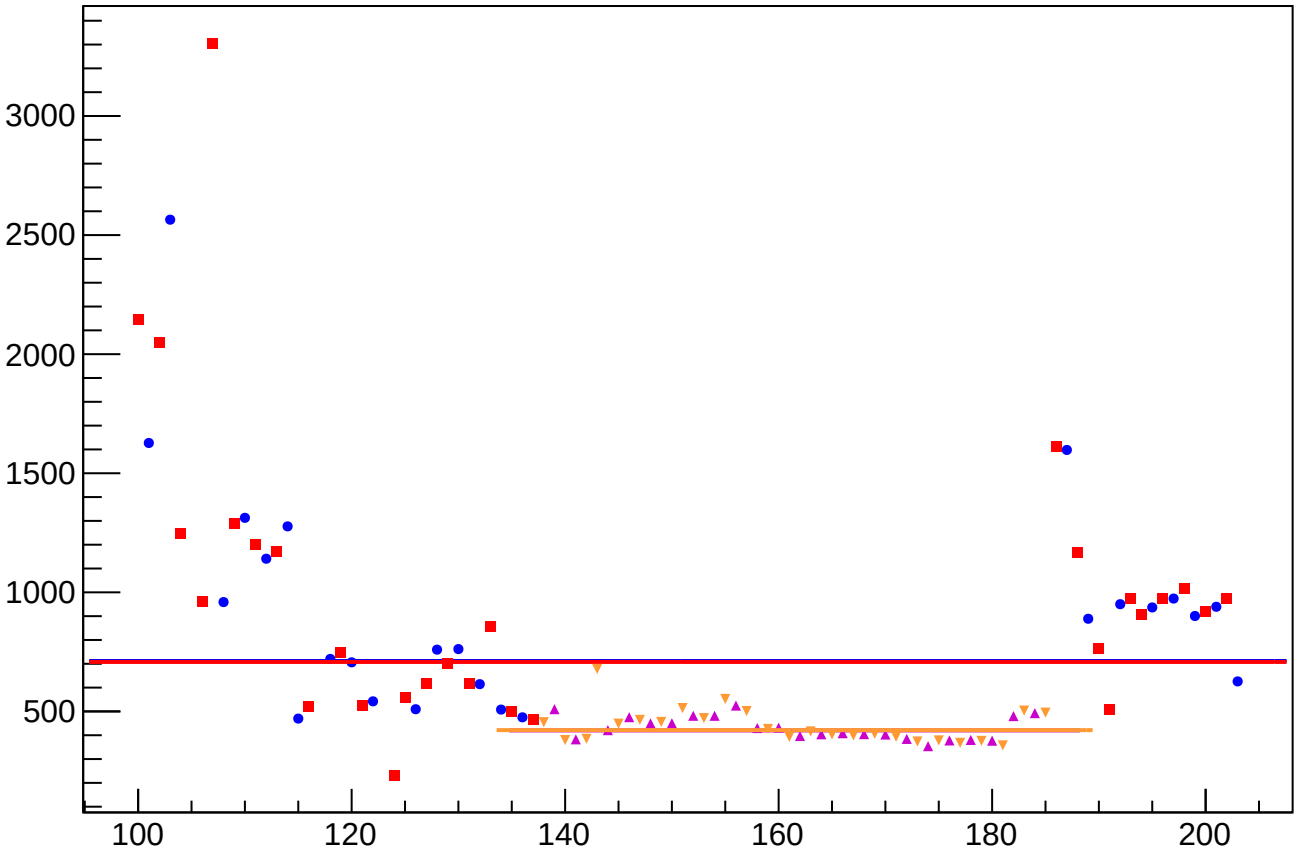
Left: 187.813+/-69.282 χ^2/NDF: 101.4/47

Right: 157.768+/-147.608 χ^2/NDF: 65.4/52

In: 91.637+/-89.517 χ^2/NDF:67.5/46

Out: 269.886+/-87.897 χ^2/NDF:97.3/53

All: 182.389+/-62.717 χ^2/NDF: 166.8/100



Right In: 711.685+/-0.148 χ^2/NDF: 2936267.8/23

Left Out: 421.420+/-0.069 χ^2/NDF:742987.6/24

Right Out: 707.775+/-0.147 χ^2/NDF: 4596918.7/28

Left In: 420.218+/-0.070 χ^2/NDF:413172.4/22

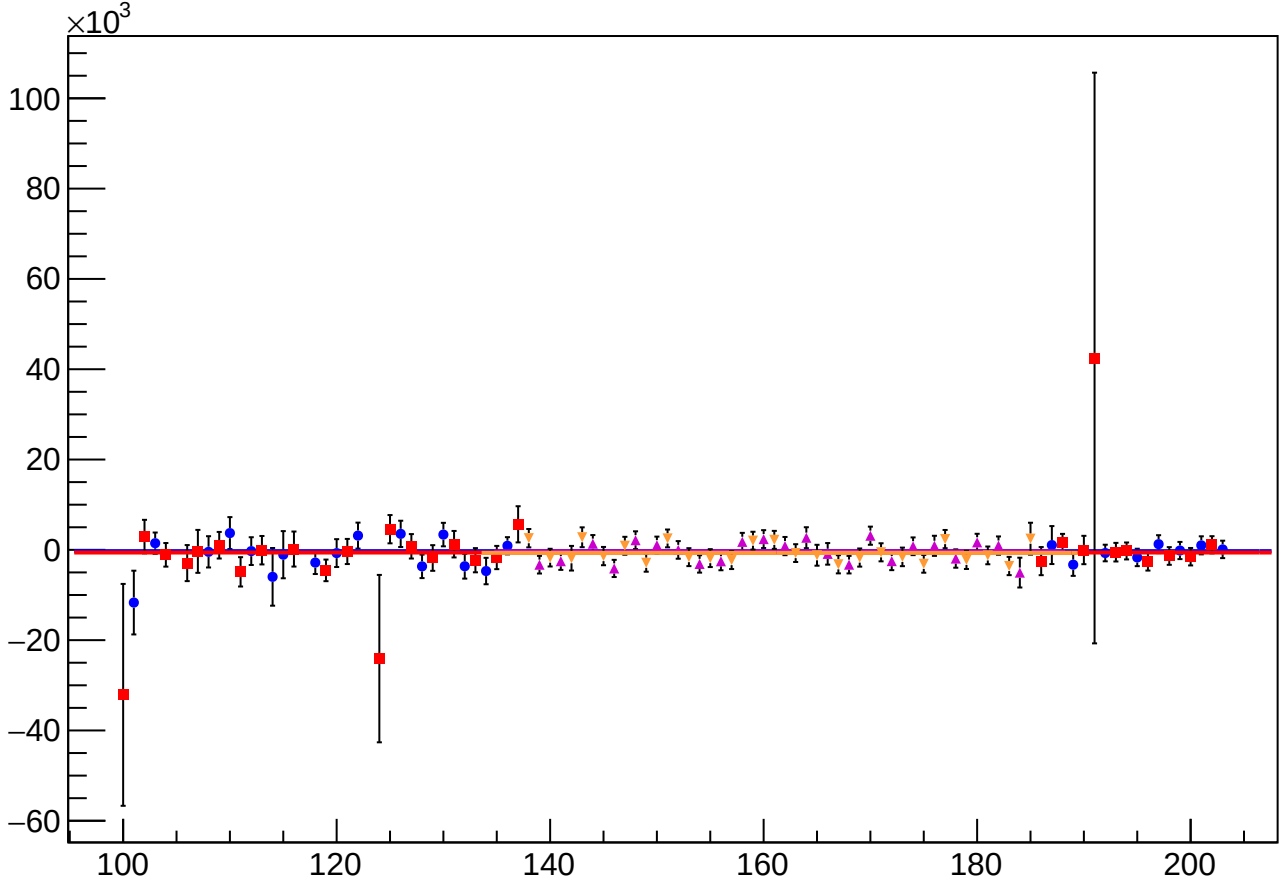
Left: 420.831+/-0.049 χ^2/NDF: 1156310.3/47

Right: 709.710+/-0.104 χ^2/NDF: 7533537.2/52

In: 473.264+/-0.063 χ^2/NDF:6505993.4/46

Out: 472.712+/-0.062 χ^2/NDF:8461105.3/53

All: 472.983+/-0.044 χ^2/NDF: 14967137.4/10



Right In: -283.391+/-521.018 χ^2/NDF: 20.5/23

Left Out: -670.031+/-412.206 χ^2/NDF:24.7/24

Right Out: -593.272+/-507.037 χ^2/NDF: 20.3/28

Left In: -342.989+/-422.712 χ^2/NDF:30.1/22

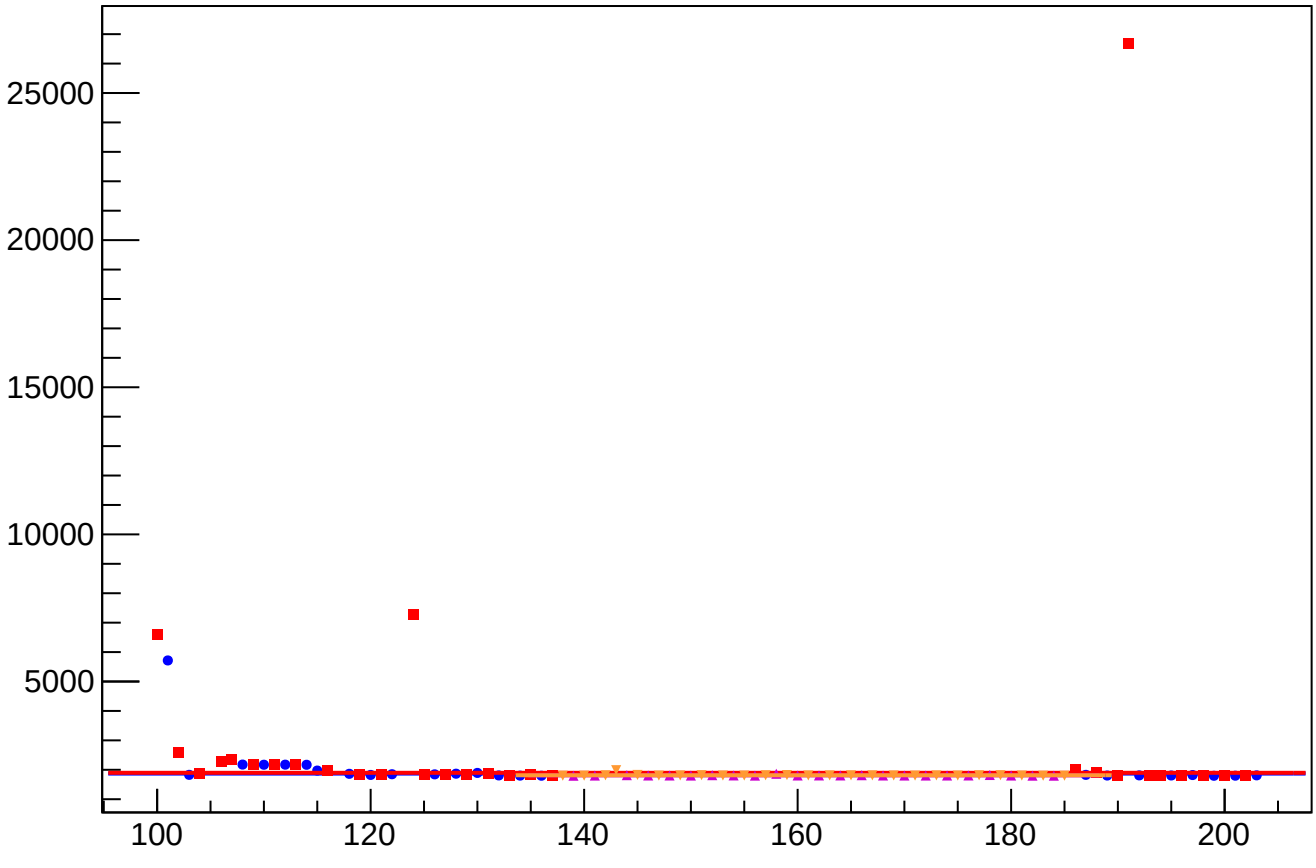
Left: -510.625+/-295.118 χ^2/NDF: 55.1/47

Right: -442.545+/-363.371 χ^2/NDF: 41.0/52

In: -319.332+/-328.262 χ^2/NDF:50.5/46

Out: -639.487+/-319.845 χ^2/NDF:45.1/53

All: -483.567+/-229.082 χ^2/NDF: 96.1/100



Right In: 1871.456+/-0.368 χ^2/NDF: 669459.5/23

Left Out: 1814.435+/-0.291 χ^2/NDF:13102.1/24

Right Out: 1897.386+/-0.359 χ^2/NDF: 744768.0/28

Left In: 1810.457+/-0.299 χ^2/NDF:1967.2/22

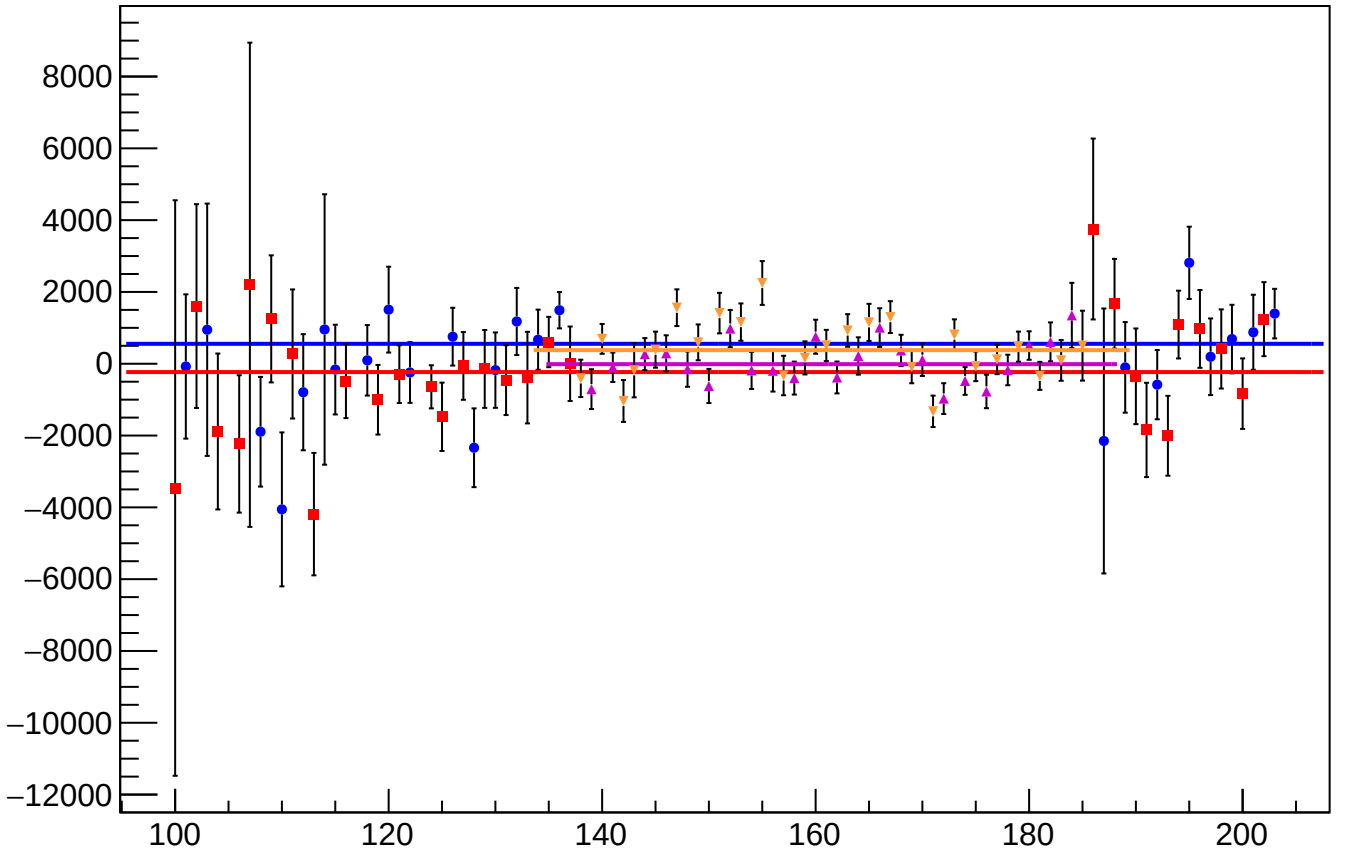
Left: 1812.496+/-0.209 χ^2/NDF: 15160.0/47

Right: 1884.773+/-0.257 χ^2/NDF: 1416771.8/52

In: 1834.671+/-0.232 χ^2/NDF:687958.2/46

Out: 1847.443+/-0.226 χ^2/NDF:790099.1/53

All: 1841.223+/-0.162 χ^2/NDF: 1479610.5/10



Right In: 555.383+/-209.834 χ^2/NDF: 30.4/23

Left Out: 379.343+/-97.014 χ^2/NDF:62.3/24

Right Out: -231.735+/-207.682 χ^2/NDF: 27.8/28

Left In: -11.539+/-98.975 χ^2/NDF:31.1/22

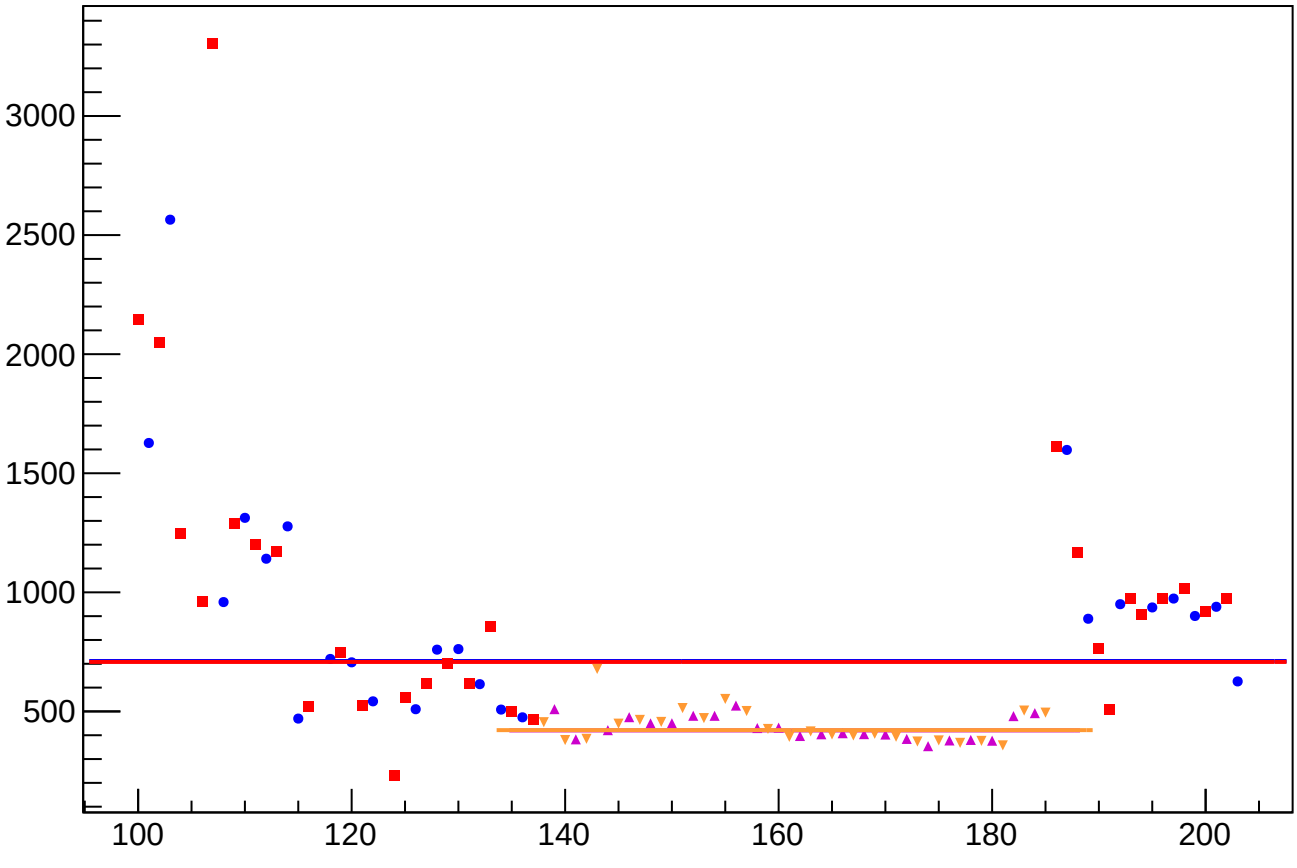
Left: 187.813+/-69.282 χ^2/NDF: 101.4/47

Right: 157.768+/-147.608 χ^2/NDF: 65.4/52

In: 91.637+/-89.517 χ^2/NDF:67.5/46

Out: 269.886+/-87.897 χ^2/NDF:97.3/53

All: 182.389+/-62.717 χ^2/NDF: 166.8/100



Right In: 711.685+/-0.148 χ^2/NDF: 2936267.8/23

Left Out: 421.420+/-0.069 χ^2/NDF:742987.6/24

Right Out: 707.775+/-0.147 χ^2/NDF: 4596918.7/28

Left In: 420.218+/-0.070 χ^2/NDF:413172.4/22

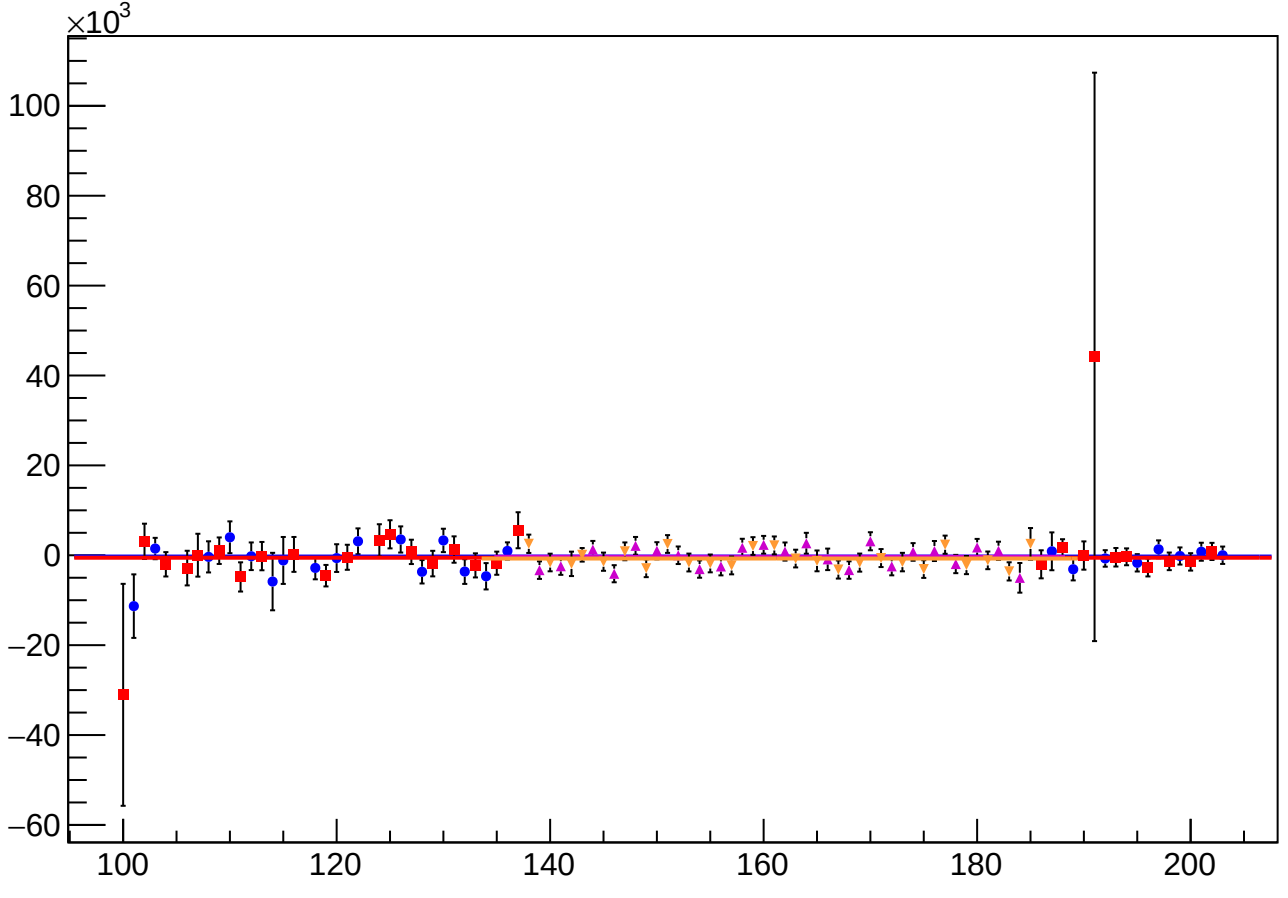
Left: 420.831+/-0.049 χ^2/NDF: 1156310.3/47

Right: 709.710+/-0.104 χ^2/NDF: 7533537.2/52

In: 473.264+/-0.063 χ^2/NDF:6505993.4/46

Out: 472.712+/-0.062 χ^2/NDF:8461105.3/53

All: 472.983+/-0.044 χ^2/NDF: 14967137.4/10



Right In: -280.965+/-521.603 χ^2/NDF: 20.0/23

Left Out: -724.527+/-404.417 χ^2/NDF:22.2/24

Right Out: -545.038+/-503.553 χ^2/NDF: 19.7/28

Left In: -341.223+/-422.858 χ^2/NDF:29.6/22

Left: -541.415+/-292.268 χ^2/NDF: 52.3/47

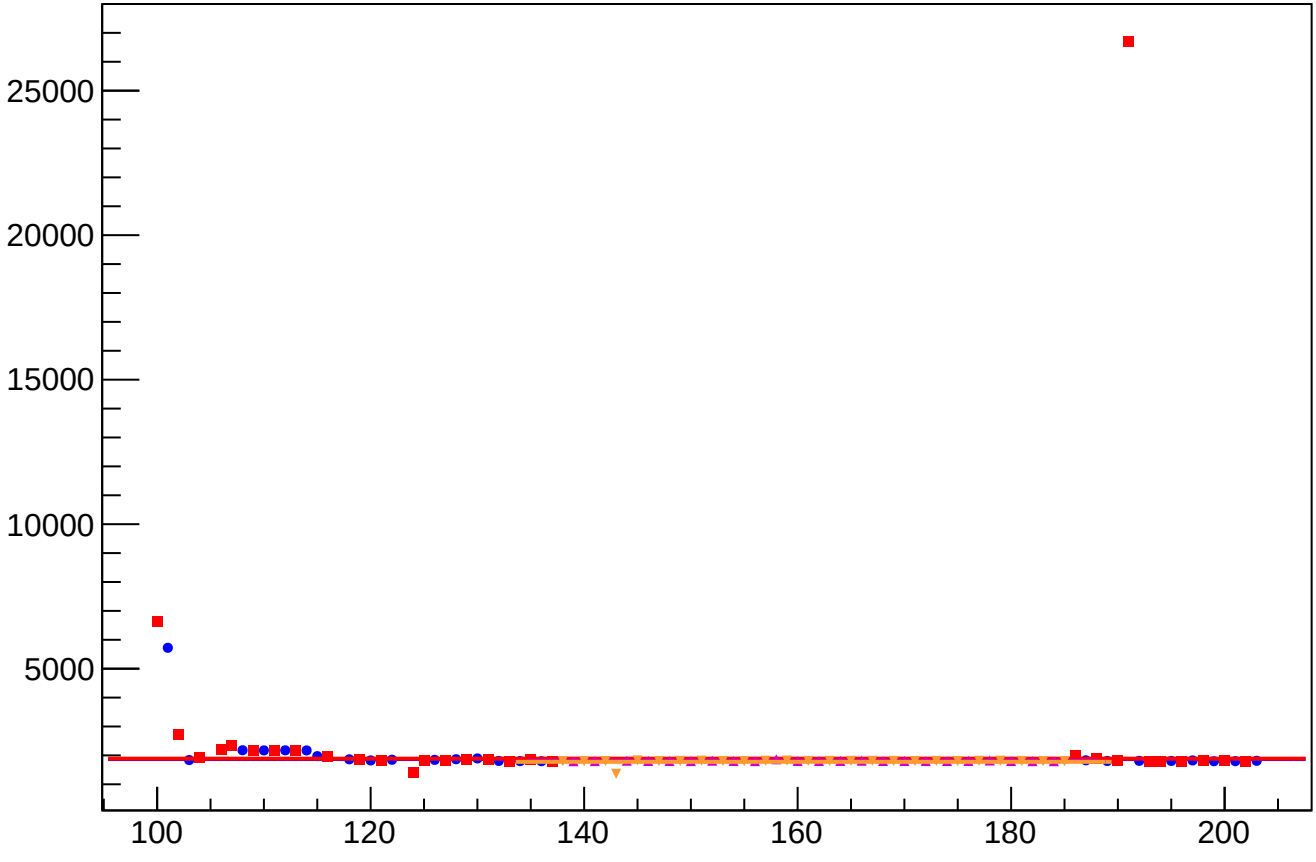
Right: -417.650+/-362.279 χ^2/NDF: 39.9/52

In: -317.326+/-328.477 χ^2/NDF:49.6/46

Out: -654.149+/-315.315 χ^2/NDF:42.0/53

All: -492.621+/-227.472 χ^2/NDF: 92.2/100

dit_asym_at1_dd_rms vs Slug, Sign Corrected



Right In: 1873.415+/-0.369 χ^2/NDF: 669151.7/23

Left Out: 1776.721+/-0.286 χ^2/NDF:161294.8/24

Right Out: 1886.851+/-0.356 χ^2/NDF: 624005.6/28

Left In: 1811.084+/-0.299 χ^2/NDF:1965.1/22

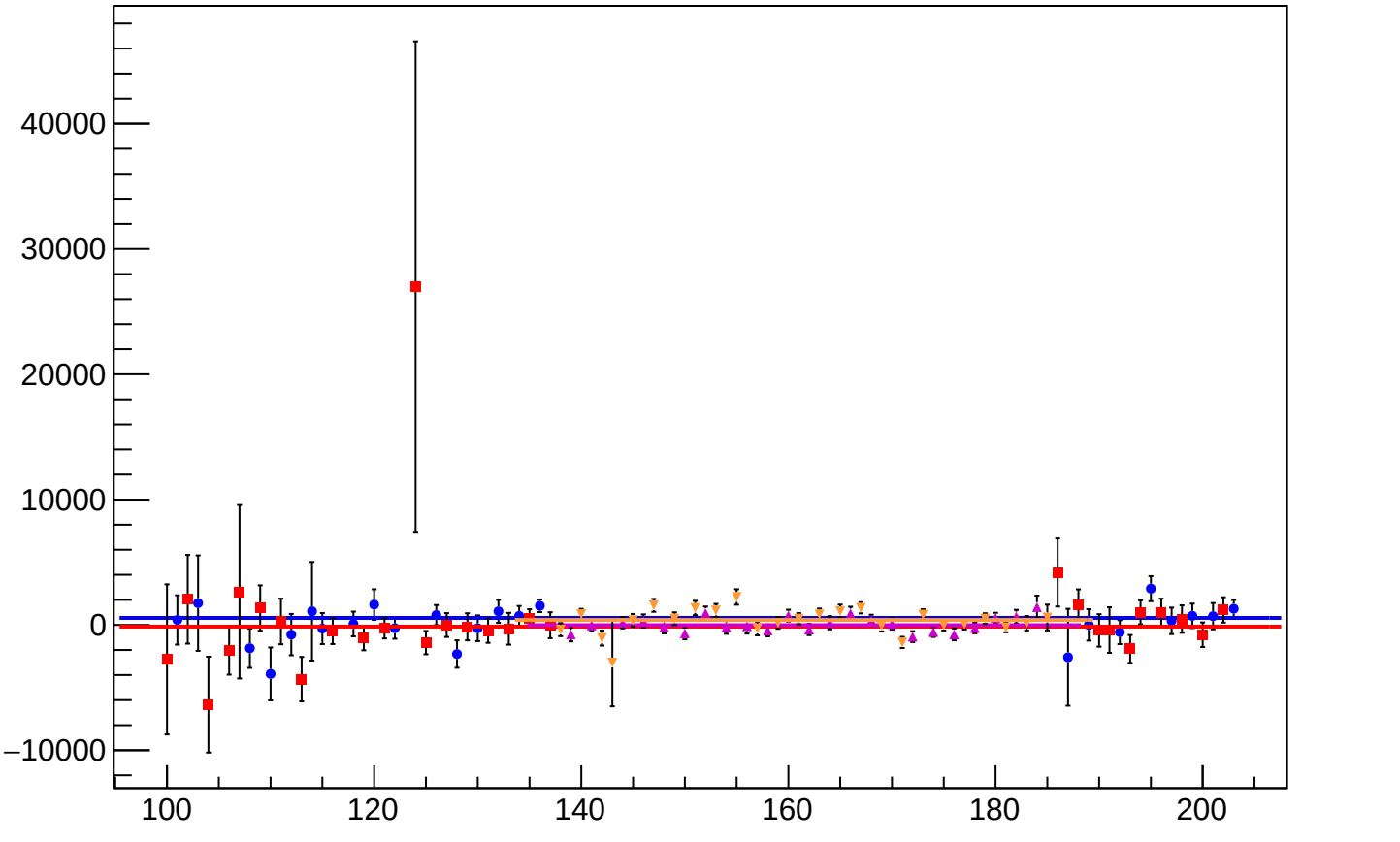
Left: 1793.137+/-0.207 χ^2/NDF: 170157.7/47

Right: 1880.369+/-0.256 χ^2/NDF: 1293844.2/52

In: 1835.803+/-0.232 χ^2/NDF:688350.6/46

Out: 1819.903+/-0.223 χ^2/NDF:843454.3/53

All: 1827.528+/-0.161 χ^2/NDF: 1534243.5/10



Right In: 559.280+/-209.218 χ^2/NDF: 30.7/23

Left Out: 398.269+/-99.165 χ^2/NDF:60.5/24

Right Out: -134.575+/-223.356 χ^2/NDF: 28.8/28

Left In: -21.453+/-100.264 χ^2/NDF:30.8/22

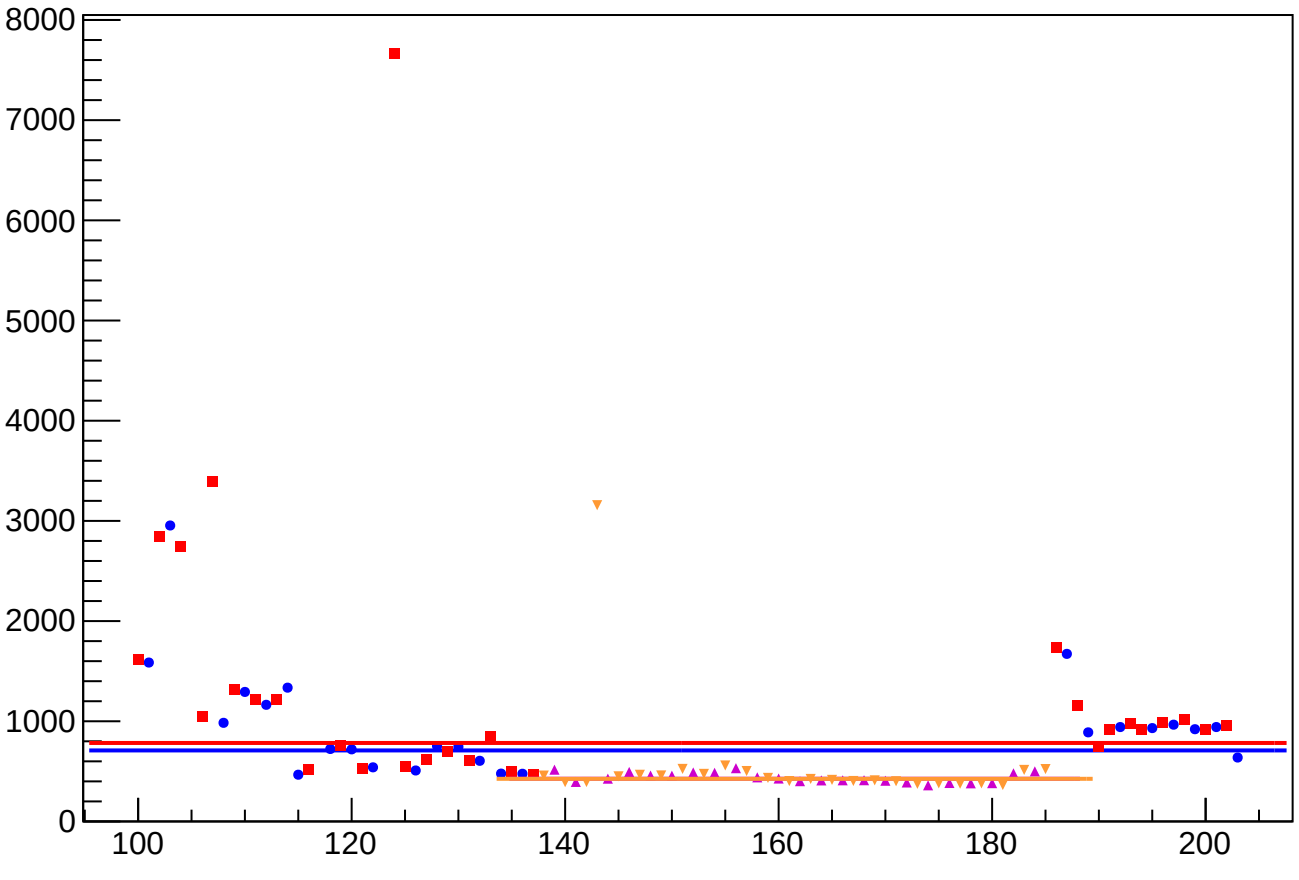
Left: 190.721+/-70.506 χ^2/NDF: 100.2/47

Right: 235.006+/-152.693 χ^2/NDF: 64.6/52

In: 87.010+/-90.417 χ^2/NDF:67.8/46

Out: 310.532+/-90.634 χ^2/NDF:94.0/53

All: 198.504+/-64.011 χ^2/NDF: 164.8/100



Right In: 708.915+/-0.148 χ^2/NDF: 3134655.5/23

Left Out: 425.697+/-0.070 χ^2/NDF:1718145.2/24

Right Out: 783.473+/-0.158 χ^2/NDF: 4155470.0/28

Left In: 426.144+/-0.071 χ^2/NDF:415411.7/22

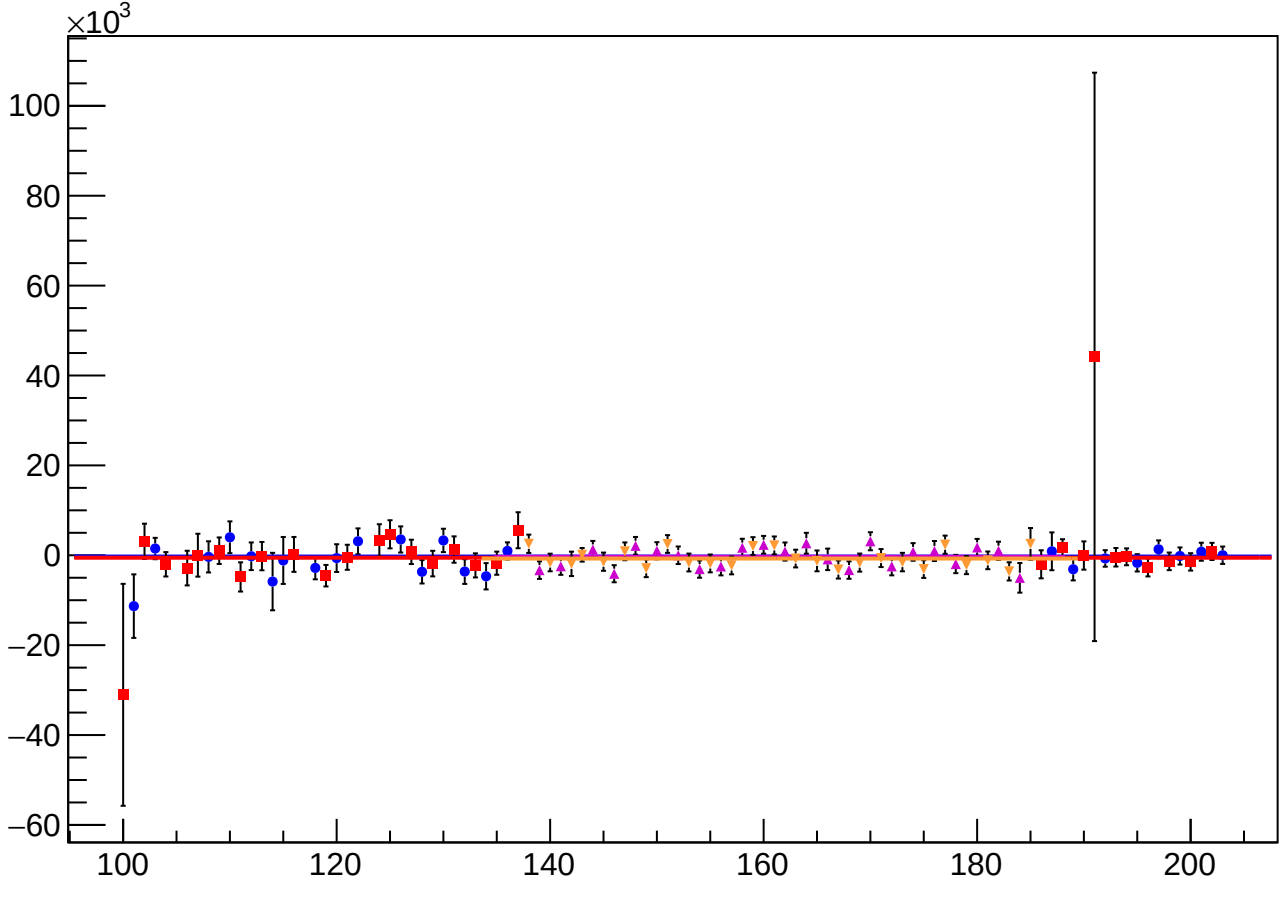
Left: 425.918+/-0.050 χ^2/NDF: 2133577.1/47

Right: 743.760+/-0.108 χ^2/NDF: 7408828.8/52

In: 478.957+/-0.064 χ^2/NDF:6521142.4/46

Out: 484.608+/-0.064 χ^2/NDF:10160297.9/53

All: 481.776+/-0.045 χ^2/NDF: 16685336.0/10



Right In: -280.966+/-521.603 χ^2/NDF: 20.0/23

Left Out: -724.528+/-404.417 χ^2/NDF:22.2/24

Right Out: -545.037+/-503.553 χ^2/NDF: 19.7/28

Left In: -341.223+/-422.858 χ^2/NDF:29.6/22

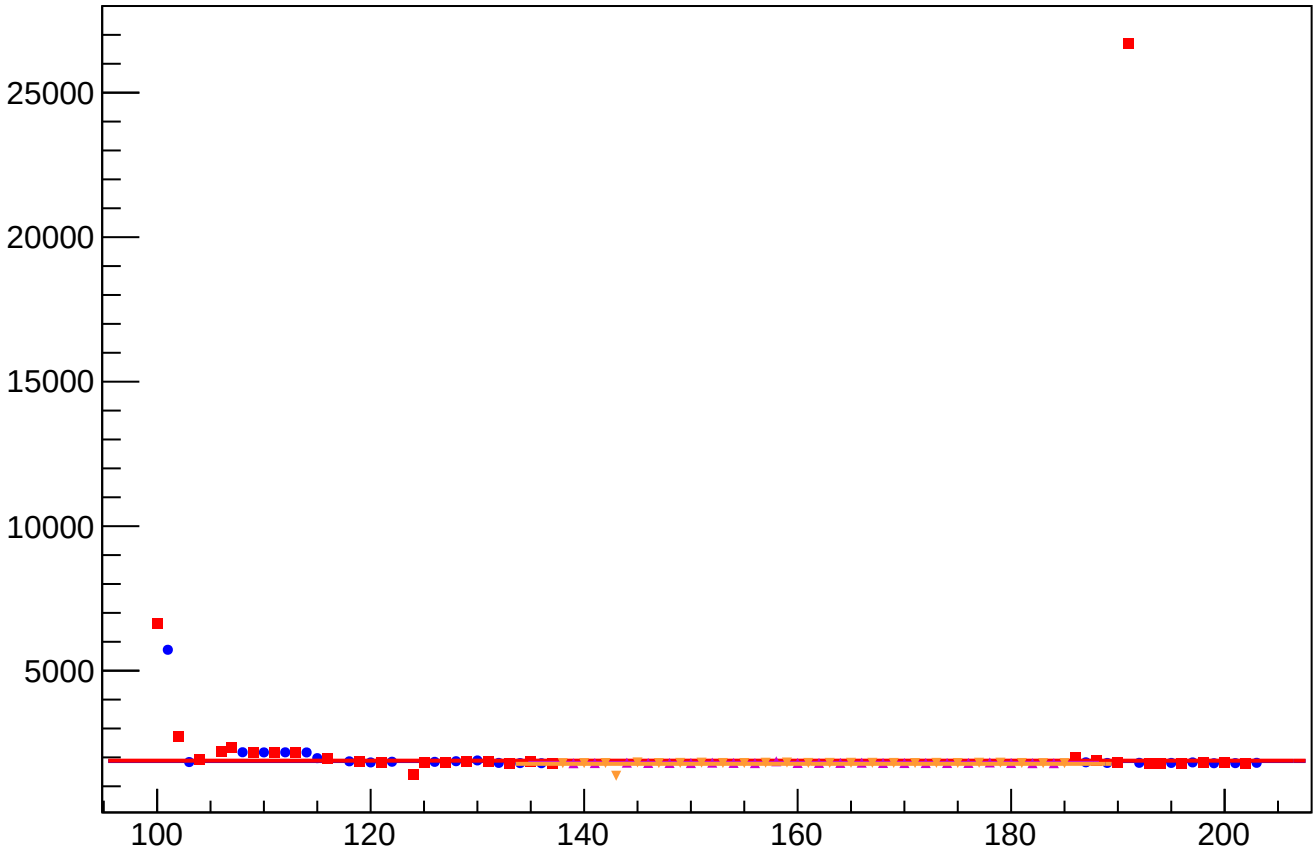
Left: -541.415+/-292.268 χ^2/NDF: 52.3/47

Right: -417.650+/-362.279 χ^2/NDF: 39.9/52

In: -317.326+/-328.477 χ^2/NDF:49.6/46

Out: -654.149+/-315.315 χ^2/NDF:42.0/53

All: -492.621+/-227.472 χ^2/NDF: 92.2/100



Right In: 1873.415+/-0.369 χ^2/NDF: 669151.7/23

Left Out: 1776.721+/-0.286 χ^2/NDF:161294.8/24

Right Out: 1886.851+/-0.356 χ^2/NDF: 624005.4/28

Left In: 1811.084+/-0.299 χ^2/NDF:1965.1/22

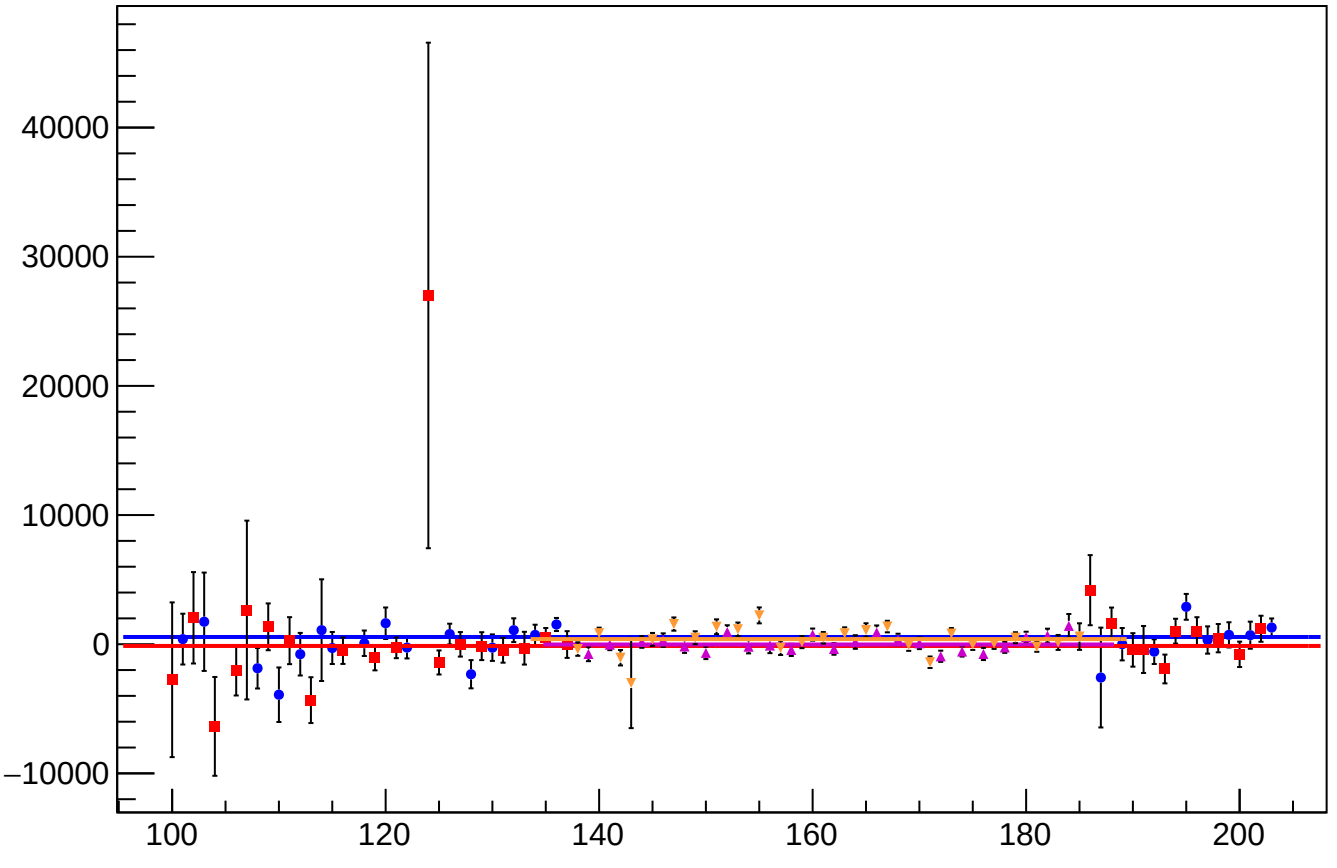
Left: 1793.137+/-0.207 χ^2/NDF: 170157.7/47

Right: 1880.369+/-0.256 χ^2/NDF: 1293844.0/52

In: 1835.803+/-0.232 χ^2/NDF:688350.6/46

Out: 1819.903+/-0.223 χ^2/NDF:843454.1/53

All: 1827.528+/-0.161 χ^2/NDF: 1534243.3/10



Right In: 559.278+/-209.218 χ^2/NDF: 30.7/23

Left Out: 398.268+/-99.165 χ^2/NDF:60.5/24

Right Out: -134.575+/-223.356 χ^2/NDF: 28.8/28

Left In: -21.452+/-100.264 χ^2/NDF:30.8/22

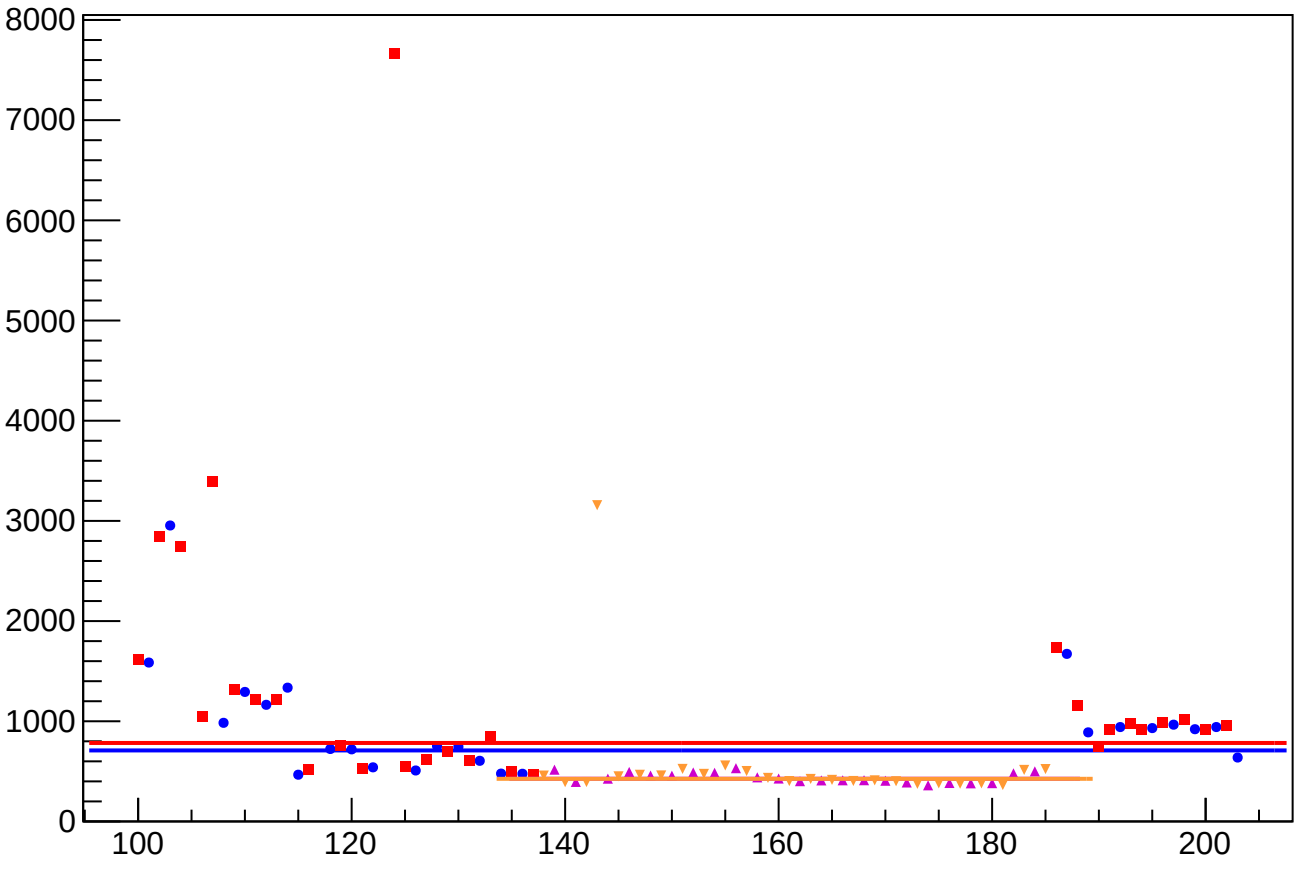
Left: 190.722+/-70.506 χ^2/NDF: 100.2/47

Right: 235.005+/-152.693 χ^2/NDF: 64.6/52

In: 87.011+/-90.417 χ^2/NDF:67.8/46

Out: 310.531+/-90.634 χ^2/NDF:94.0/53

All: 198.504+/-64.011 χ^2/NDF: 164.8/100



Right In: 708.915+/-0.148 χ^2/NDF: 3134656.3/23

Left Out: 425.696+/-0.070 χ^2/NDF:1718147.9/24

Right Out: 783.473+/-0.158 χ^2/NDF: 4155474.0/28

Left In: 426.144+/-0.071 χ^2/NDF:415415.2/22

Left: 425.918+/-0.050 χ^2/NDF: 2133583.2/47

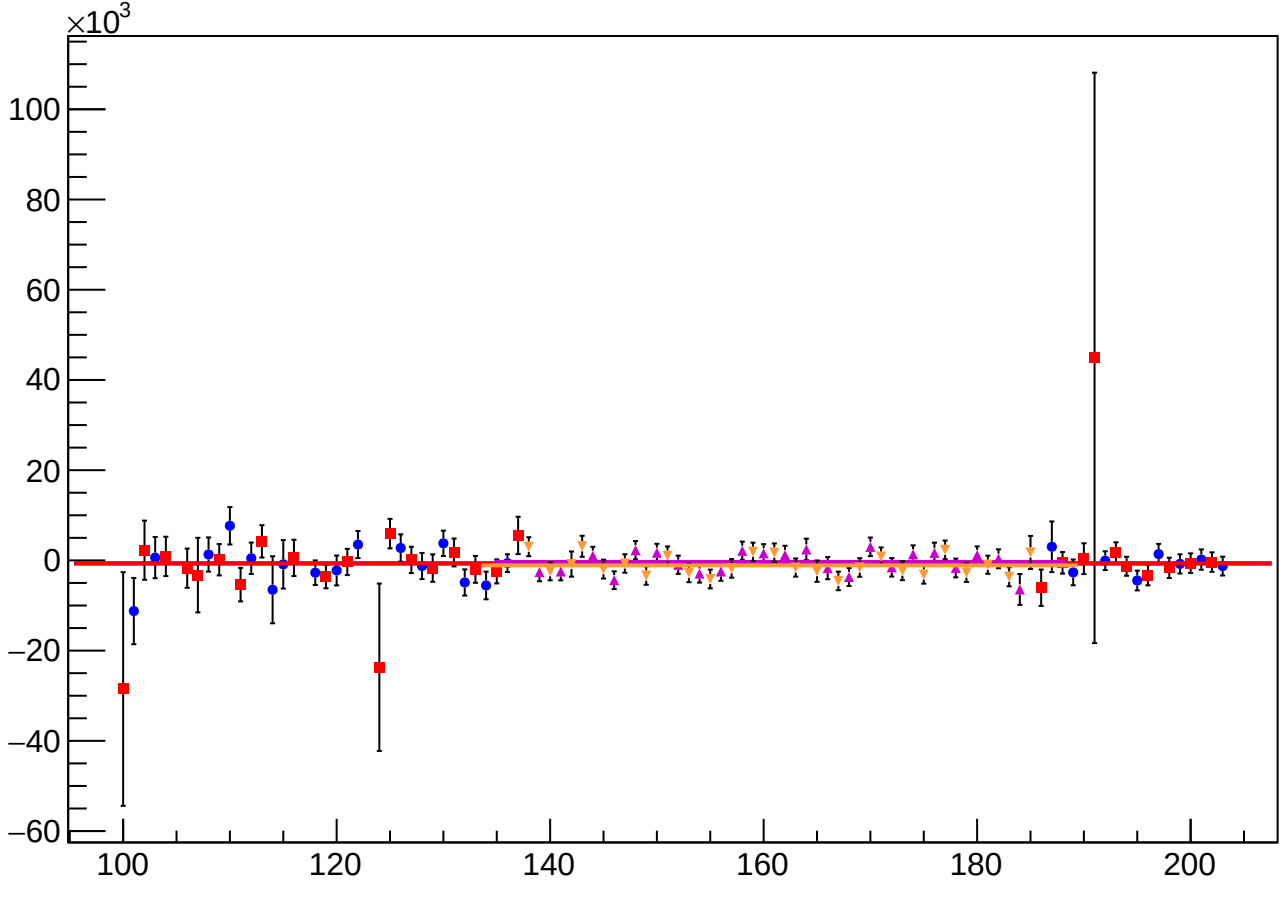
Right: 743.759+/-0.108 χ^2/NDF: 7408833.3/52

In: 478.957+/-0.064 χ^2/NDF:6521150.4/46

Out: 484.607+/-0.064 χ^2/NDF:10160309.2/53

All: 481.775+/-0.045 χ^2/NDF: 16685355.2/10

asym_at1_dd_mean vs Slug, Sign Corrected



Right In: -665.513+/-583.075 χ^2/NDF: 23.5/23

Left Out: -1105.791+/-424.648 χ^2/NDF:28.0/24

Right Out: -668.693+/-578.070 χ^2/NDF: 20.8/28

Left In: -346.936+/-434.947 χ^2/NDF:28.8/22

Left: -735.454+/-303.847 χ^2/NDF: 58.3/47

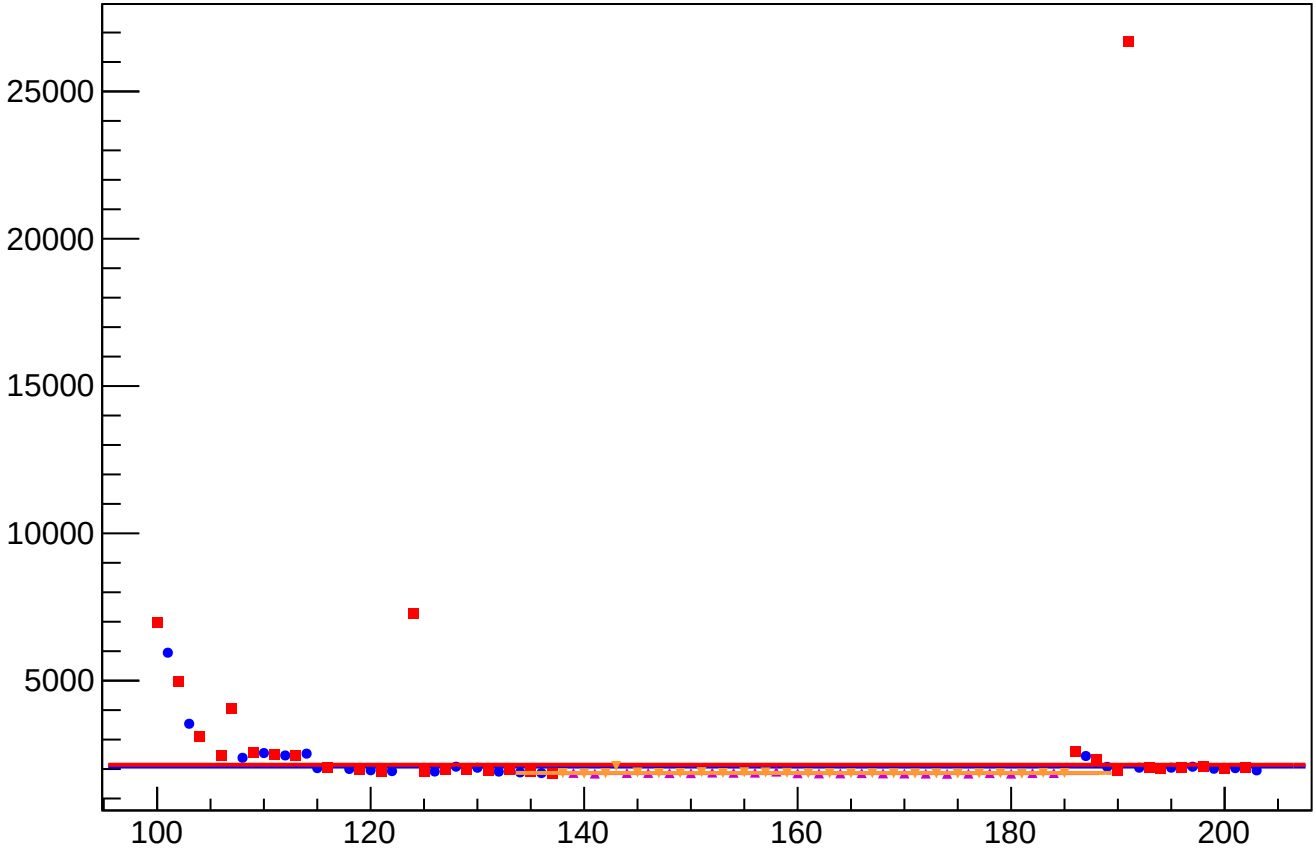
Right: -667.117+/-410.515 χ^2/NDF: 44.3/52

In: -460.831+/-348.633 χ^2/NDF:52.5/46

Out: -952.591+/-342.232 χ^2/NDF:49.2/53

All: -711.267+/-244.226 χ^2/NDF: 102.7/100

asym_at1_dd_rms vs Slug, Sign Corrected



Right In: 2084.254+/-0.412 χ^2/NDF: 901240.5/23

Left Out: 1868.941+/-0.300 χ^2/NDF:23314.7/24

Right Out: 2145.616+/-0.409 χ^2/NDF: 1319360.7/28

Left In: 1862.828+/-0.308 χ^2/NDF:2714.5/22

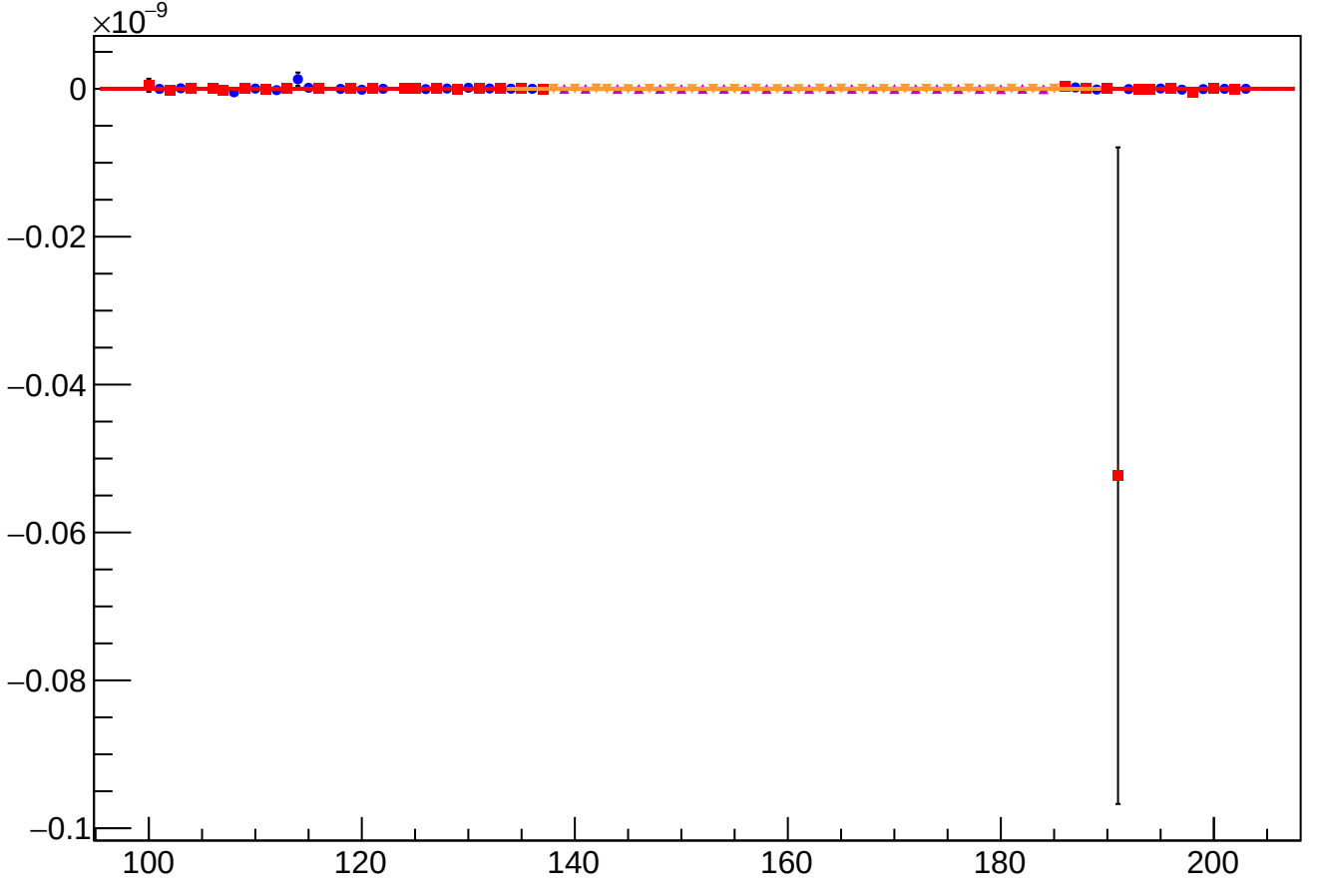
Left: 1865.958+/-0.215 χ^2/NDF: 26231.5/47

Right: 2115.199+/-0.290 χ^2/NDF: 2231772.0/52

In: 1941.990+/-0.247 χ^2/NDF:1089266.5/46

Out: 1965.914+/-0.242 χ^2/NDF:1640248.7/53

All: 1954.174+/-0.173 χ^2/NDF: 2734311.3/10



Right In: -0.000+/-0.000 χ^2/NDF: 22.2/23

Left Out: 0.000+/-0.000 χ^2/NDF:42.1/24

Right Out: 0.000+/-0.000 χ^2/NDF: 28.1/28

Left In: -0.000+/-0.000 χ^2/NDF:17.3/22

Left: -0.000+/-0.000 χ^2/NDF: 61.0/47

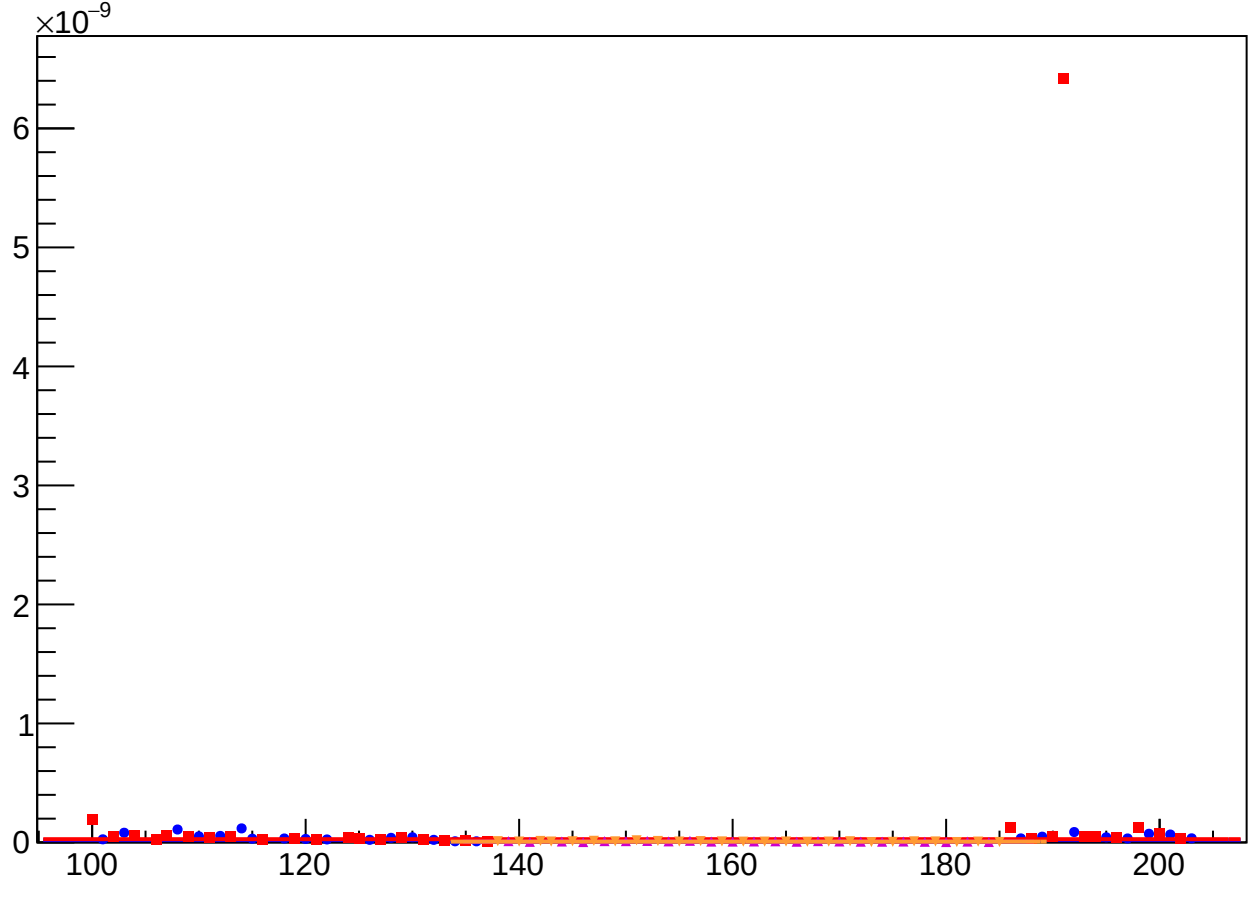
Right: 0.000+/-0.000 χ^2/NDF: 51.3/52

In: -0.000+/-0.000 χ^2/NDF:39.7/46

Out: 0.000+/-0.000 χ^2/NDF:71.4/53

All: -0.000+/-0.000 χ^2/NDF: 113.0/100

asym_at1_dd_reg_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 4197638.6/23

Left Out: 0.000+/-0.000 χ^2/NDF:1843010.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 2949028.7/28

Left In: 0.000+/-0.000 χ^2/NDF:1477997.8/22

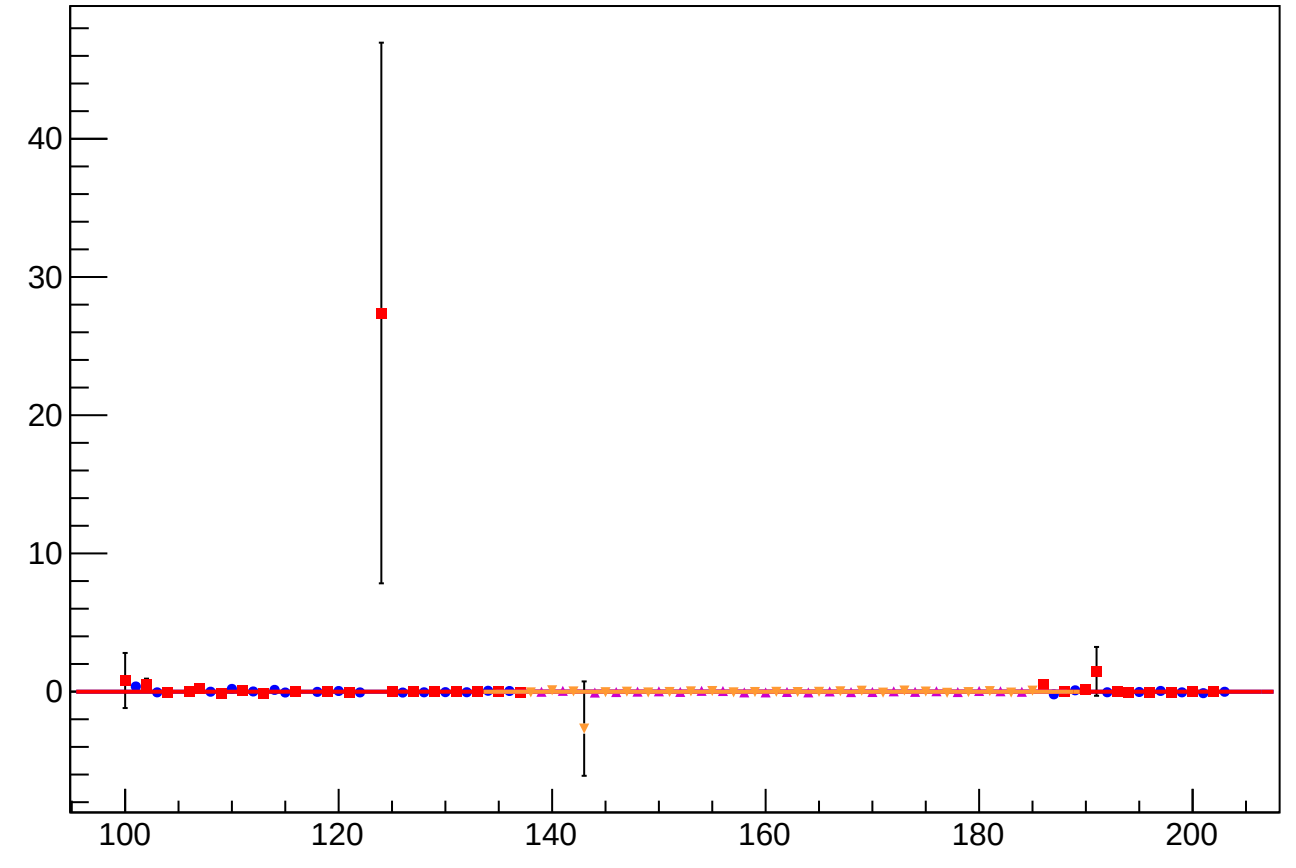
Left: 0.000+/-0.000 χ^2/NDF: 3321189.0/47

Right: 0.000+/-0.000 χ^2/NDF: 7538400.1/52

In: 0.000+/-0.000 χ^2/NDF:8007996.8/46

Out: 0.000+/-0.000 χ^2/NDF:8891883.2/53

All: 0.000+/-0.000 χ^2/NDF: 16900056.7/100



Right In: -0.007+/-0.012 χ^2/NDF: 27.7/23

Left Out: -0.010+/-0.008 χ^2/NDF:39.5/24

Right Out: -0.006+/-0.013 χ^2/NDF: 25.5/28

Left In: -0.004+/-0.008 χ^2/NDF:20.8/22

Left: -0.007+/-0.006 χ^2/NDF: 60.7/47

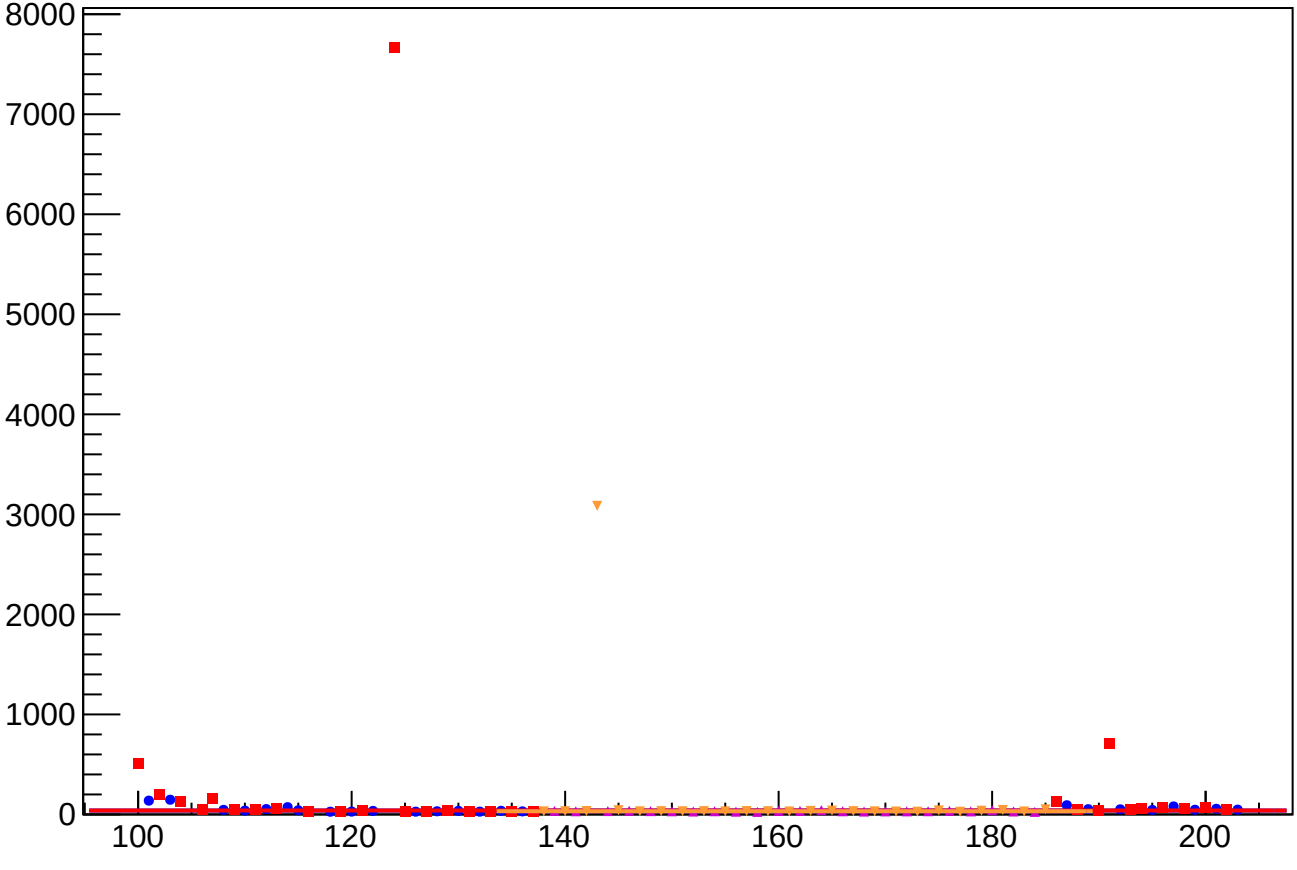
Right: -0.007+/-0.009 χ^2/NDF: 53.2/52

In: -0.005+/-0.007 χ^2/NDF:48.7/46

Out: -0.009+/-0.007 χ^2/NDF:65.1/53

All: -0.007+/-0.005 χ^2/NDF: 113.9/100

asym_at1_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 39.057+/-0.009 χ^2/NDF: 2843211.0/23

Left Out: 32.277+/-0.006 χ^2/NDF:2120929.6/24

Right Out: 39.520+/-0.009 χ^2/NDF: 4212097.8/28

Left In: 32.421+/-0.006 χ^2/NDF:426084.8/22

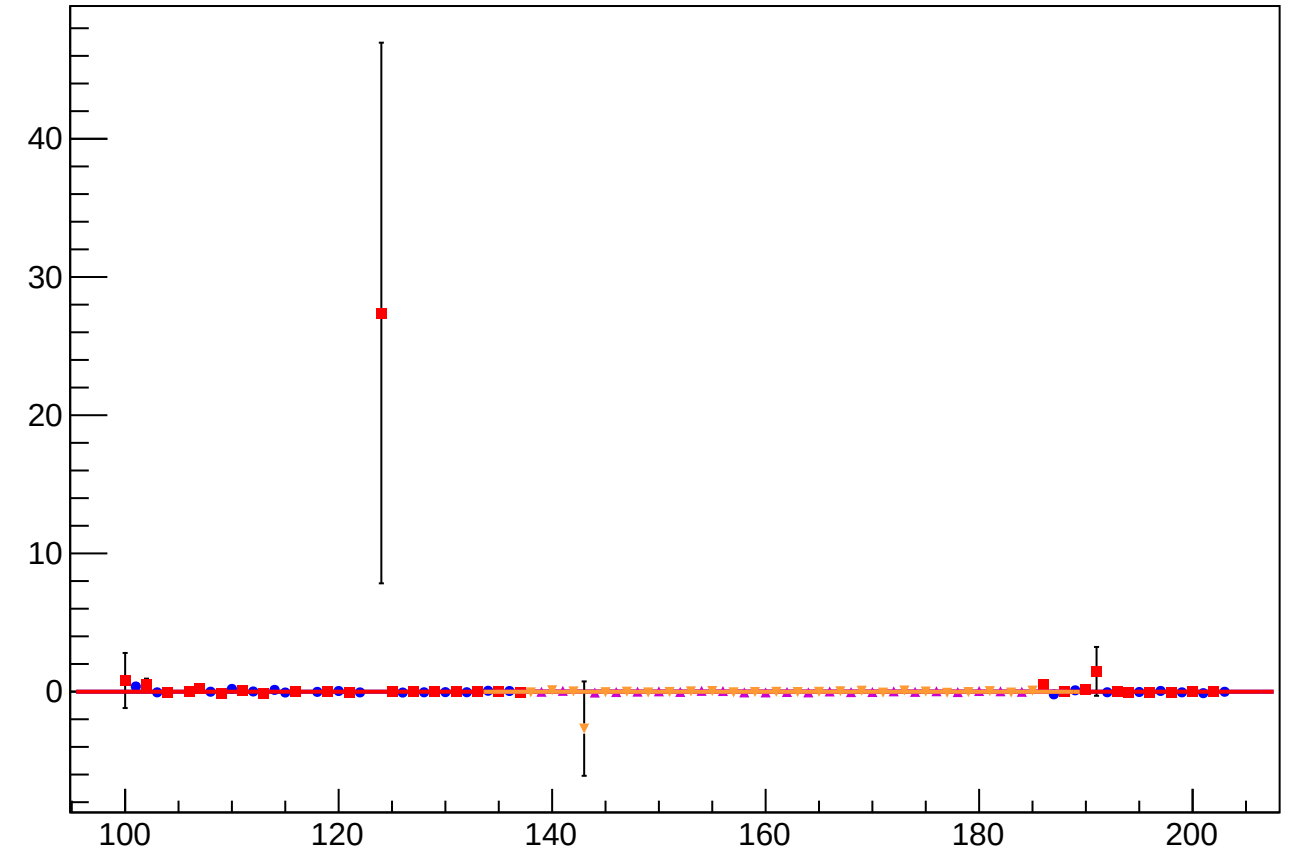
Left: 32.349+/-0.004 χ^2/NDF: 2547318.7/47

Right: 39.287+/-0.006 χ^2/NDF: 7056674.0/52

In: 34.452+/-0.005 χ^2/NDF:3661595.0/46

Out: 34.449+/-0.005 χ^2/NDF:6797325.2/53

All: 34.450+/-0.003 χ^2/NDF: 10458920.3/100



Right In: -0.007+/-0.012 χ^2/NDF: 27.7/23

Left Out: -0.010+/-0.008 χ^2/NDF:39.5/24

Right Out: -0.006+/-0.013 χ^2/NDF: 25.5/28

Left In: -0.004+/-0.008 χ^2/NDF:20.8/22

Left: -0.007+/-0.006 χ^2/NDF: 60.7/47

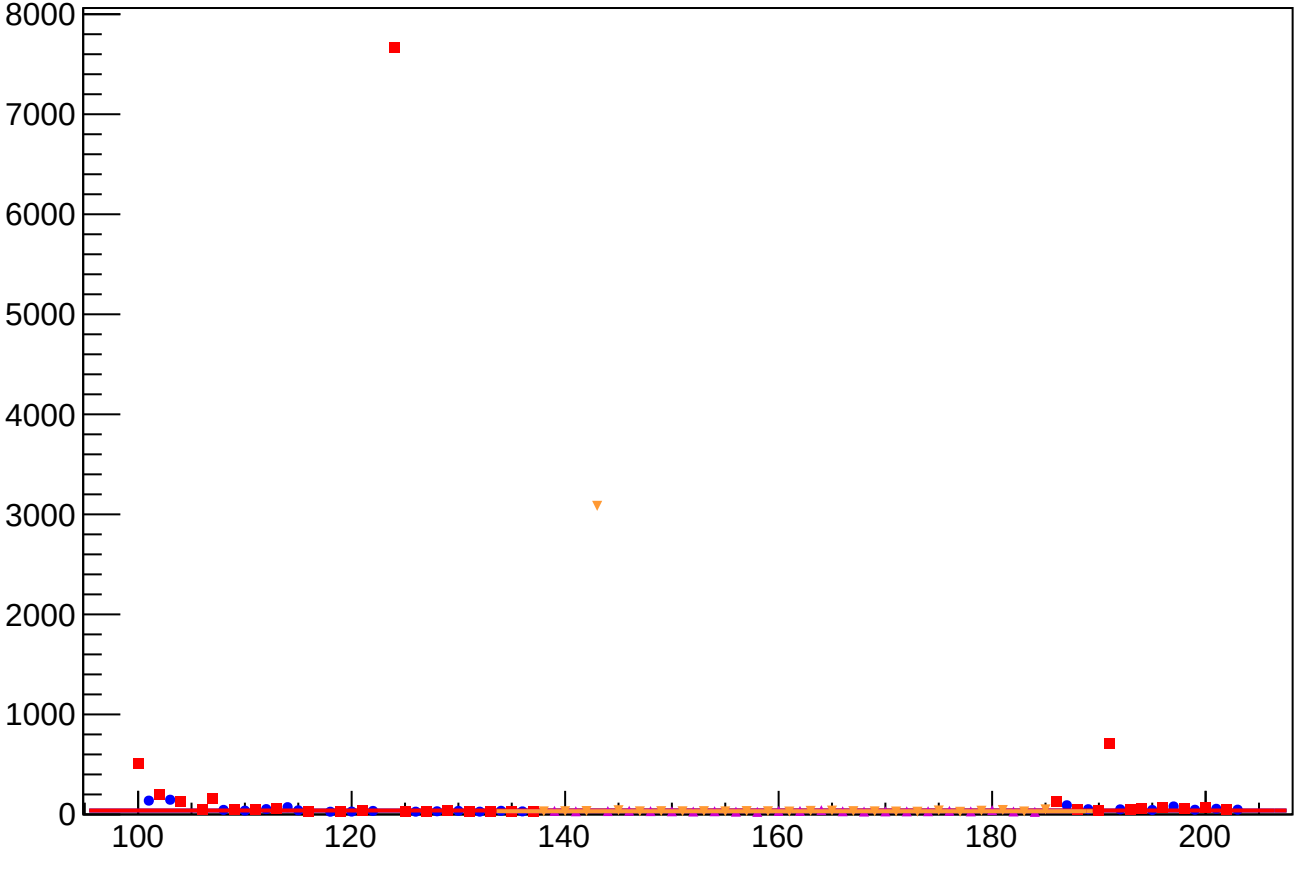
Right: -0.007+/-0.009 χ^2/NDF: 53.2/52

In: -0.005+/-0.007 χ^2/NDF:48.7/46

Out: -0.009+/-0.007 χ^2/NDF:65.1/53

All: -0.007+/-0.005 χ^2/NDF: 113.9/100

asym_at1_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 39.057+/-0.009 χ^2/NDF: 2843211.0/23

Left Out: 32.277+/-0.006 χ^2/NDF:2120929.6/24

Right Out: 39.520+/-0.009 χ^2/NDF: 4212097.8/28

Left In: 32.421+/-0.006 χ^2/NDF:426084.8/22

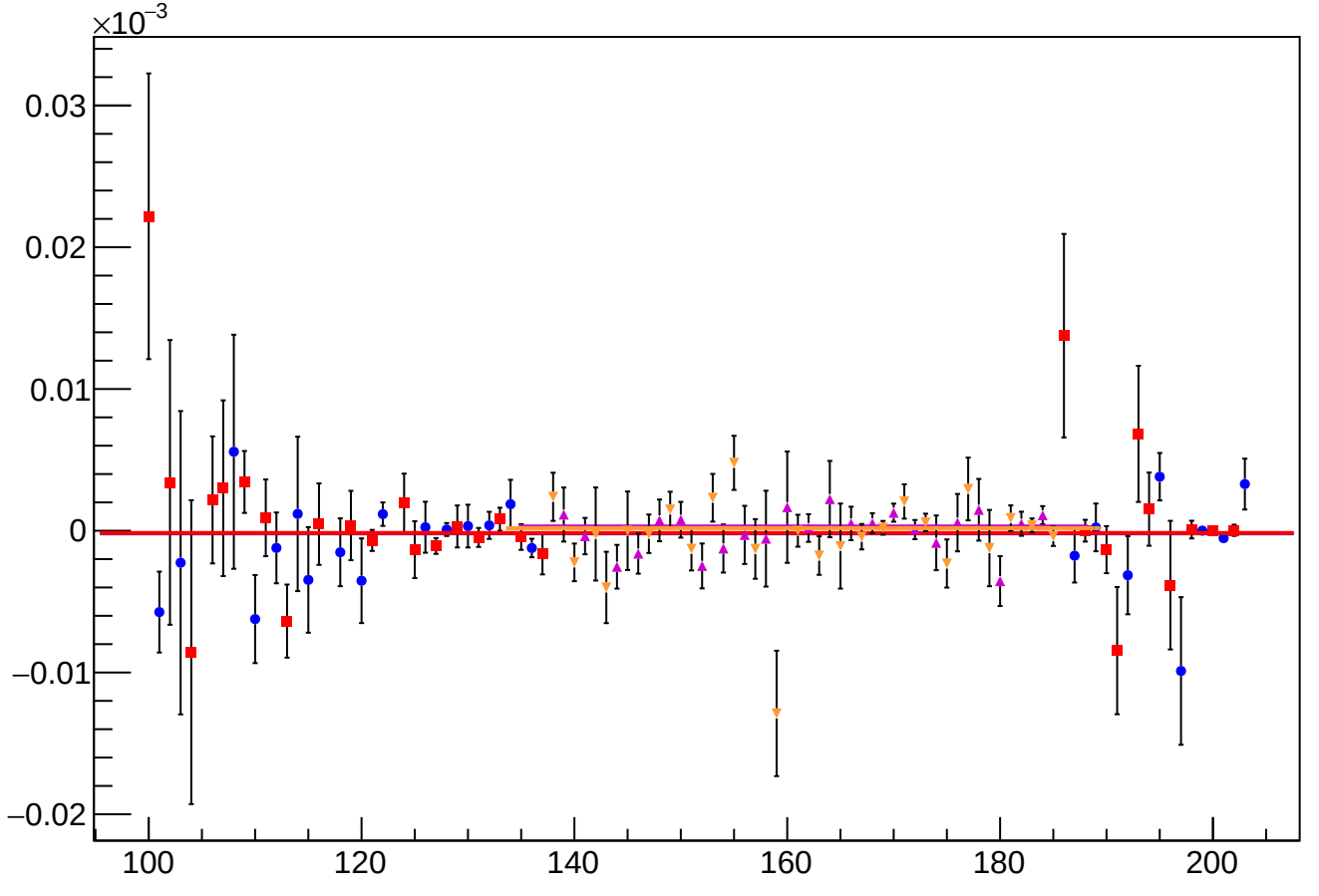
Left: 32.349+/-0.004 χ^2/NDF: 2547318.7/47

Right: 39.287+/-0.006 χ^2/NDF: 7056674.0/52

In: 34.452+/-0.005 χ^2/NDF:3661595.0/46

Out: 34.449+/-0.005 χ^2/NDF:6797325.2/53

All: 34.450+/-0.003 χ^2/NDF: 10458920.3/100



Right In: -0.000+/-0.000 χ^2/NDF: 34.8/23

Left Out: 0.000+/-0.000 χ^2/NDF:37.5/24

Right Out: -0.000+/-0.000 χ^2/NDF: 33.9/28

Left In: 0.000+/-0.000 χ^2/NDF:20.2/22

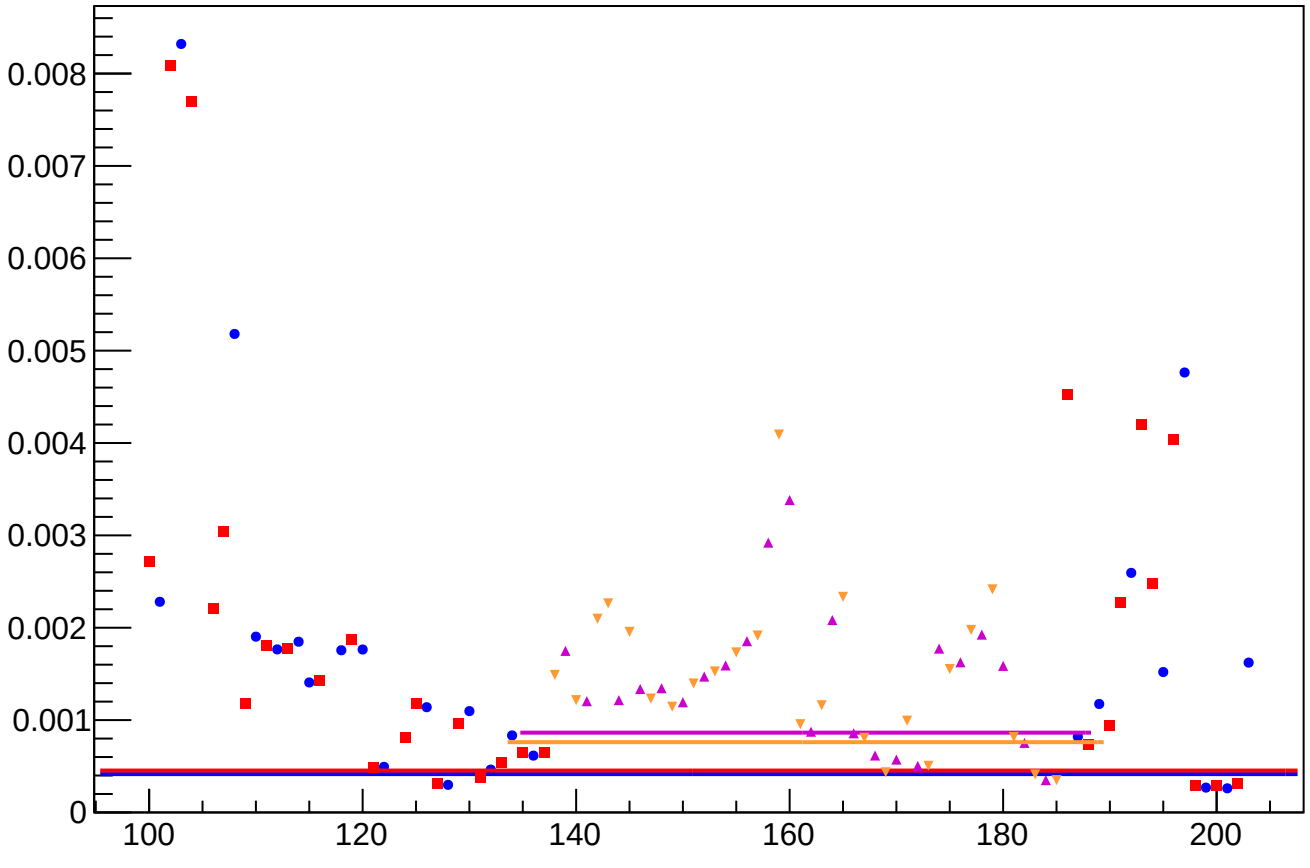
Left: 0.000+/-0.000 χ^2/NDF: 57.9/47

Right: -0.000+/-0.000 χ^2/NDF: 68.8/52

In: -0.000+/-0.000 χ^2/NDF:57.8/46

Out: -0.000+/-0.000 χ^2/NDF:73.0/53

All: -0.000+/-0.000 χ^2/NDF: 130.9/100



Right In: 0.000+/-0.000 χ^2/NDF: 12162389.6/23

Left Out: 0.001+/-0.000 χ^2/NDF:11085699.1/24

Right Out: 0.000+/-0.000 χ^2/NDF: 11926028.5/28

Left In: 0.001+/-0.000 χ^2/NDF:8440059.8/22

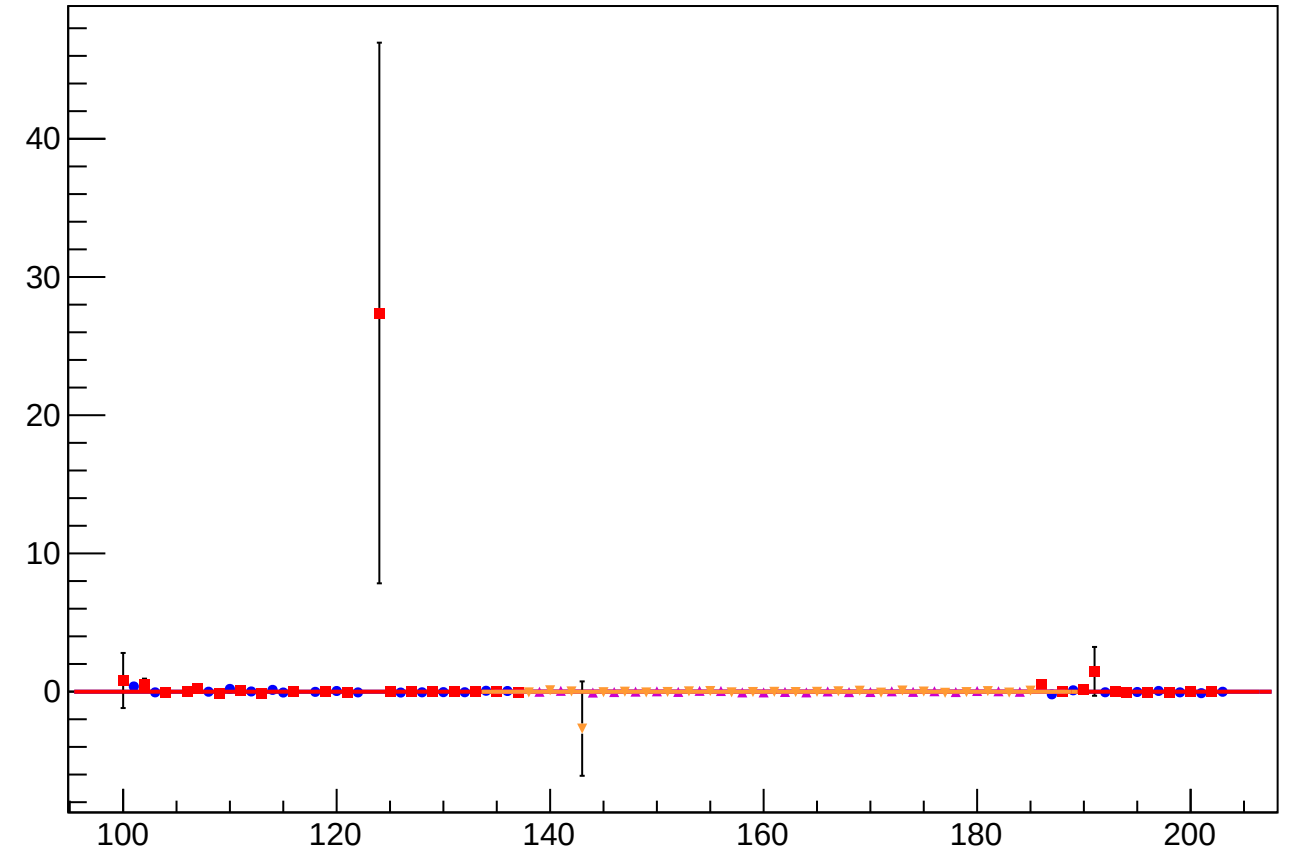
Left: 0.001+/-0.000 χ^2/NDF: 19733433.3/47

Right: 0.000+/-0.000 χ^2/NDF: 24141410.6/52

In: 0.001+/-0.000 χ^2/NDF:25377508.4/46

Out: 0.001+/-0.000 χ^2/NDF:25545655.5/53

All: 0.001+/-0.000 χ^2/NDF: 50937124.2/100



Right In: -0.007+/-0.012 χ^2/NDF: 27.7/23

Left Out: -0.010+/-0.008 χ^2/NDF:39.5/24

Right Out: -0.006+/-0.013 χ^2/NDF: 25.5/28

Left In: -0.004+/-0.008 χ^2/NDF:20.8/22

Left: -0.007+/-0.006 χ^2/NDF: 60.7/47

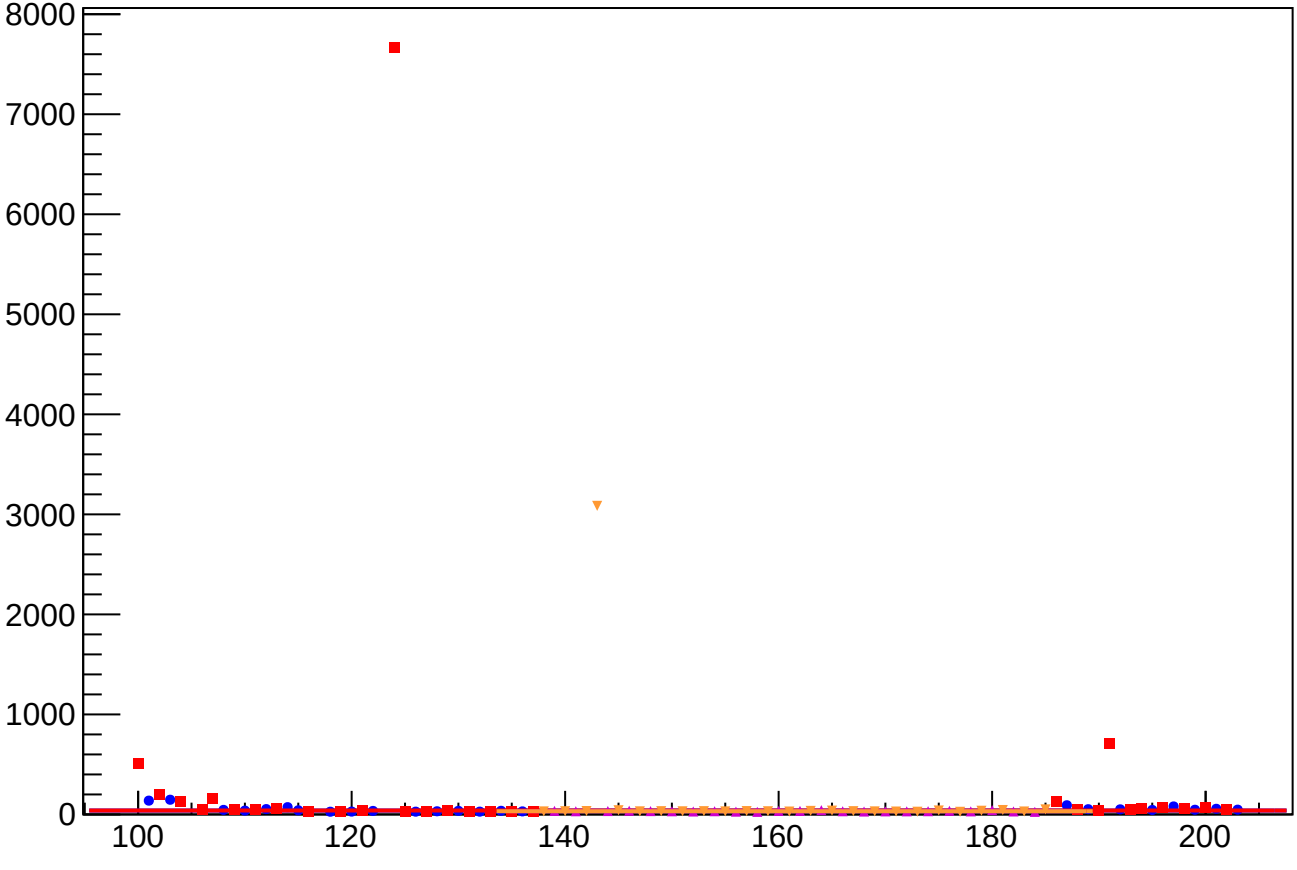
Right: -0.007+/-0.009 χ^2/NDF: 53.2/52

In: -0.005+/-0.007 χ^2/NDF:48.7/46

Out: -0.009+/-0.007 χ^2/NDF:65.1/53

All: -0.007+/-0.005 χ^2/NDF: 113.9/100

asym_at1_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 39.057+/-0.009 χ^2/NDF: 2843191.0/23

Left Out: 32.277+/-0.006 χ^2/NDF:2120971.9/24

Right Out: 39.520+/-0.009 χ^2/NDF: 4212087.1/28

Left In: 32.422+/-0.006 χ^2/NDF:426001.5/22

Left: 32.349+/-0.004 χ^2/NDF: 2547279.1/47

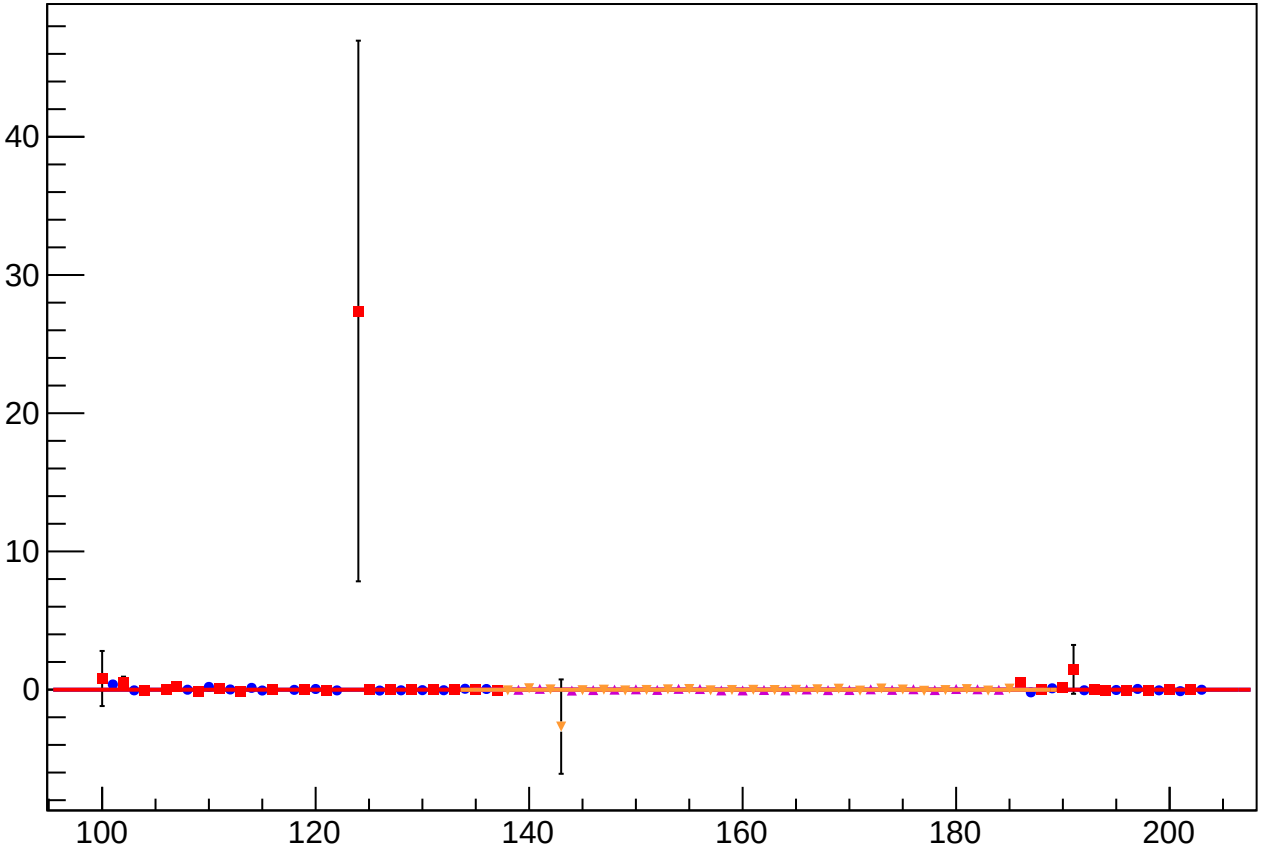
Right: 39.287+/-0.006 χ^2/NDF: 7056642.9/52

In: 34.452+/-0.005 χ^2/NDF:3661457.4/46

Out: 34.449+/-0.005 χ^2/NDF:6797352.7/53

All: 34.450+/-0.003 χ^2/NDF: 10458810.3/100

asym_at1_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.007+/-0.012 χ^2/NDF: 27.7/23

Left Out: -0.010+/-0.008 χ^2/NDF:39.5/24

Right Out: -0.006+/-0.013 χ^2/NDF: 25.5/28

Left In: -0.004+/-0.008 χ^2/NDF:20.8/22

Left: -0.007+/-0.006 χ^2/NDF: 60.7/47

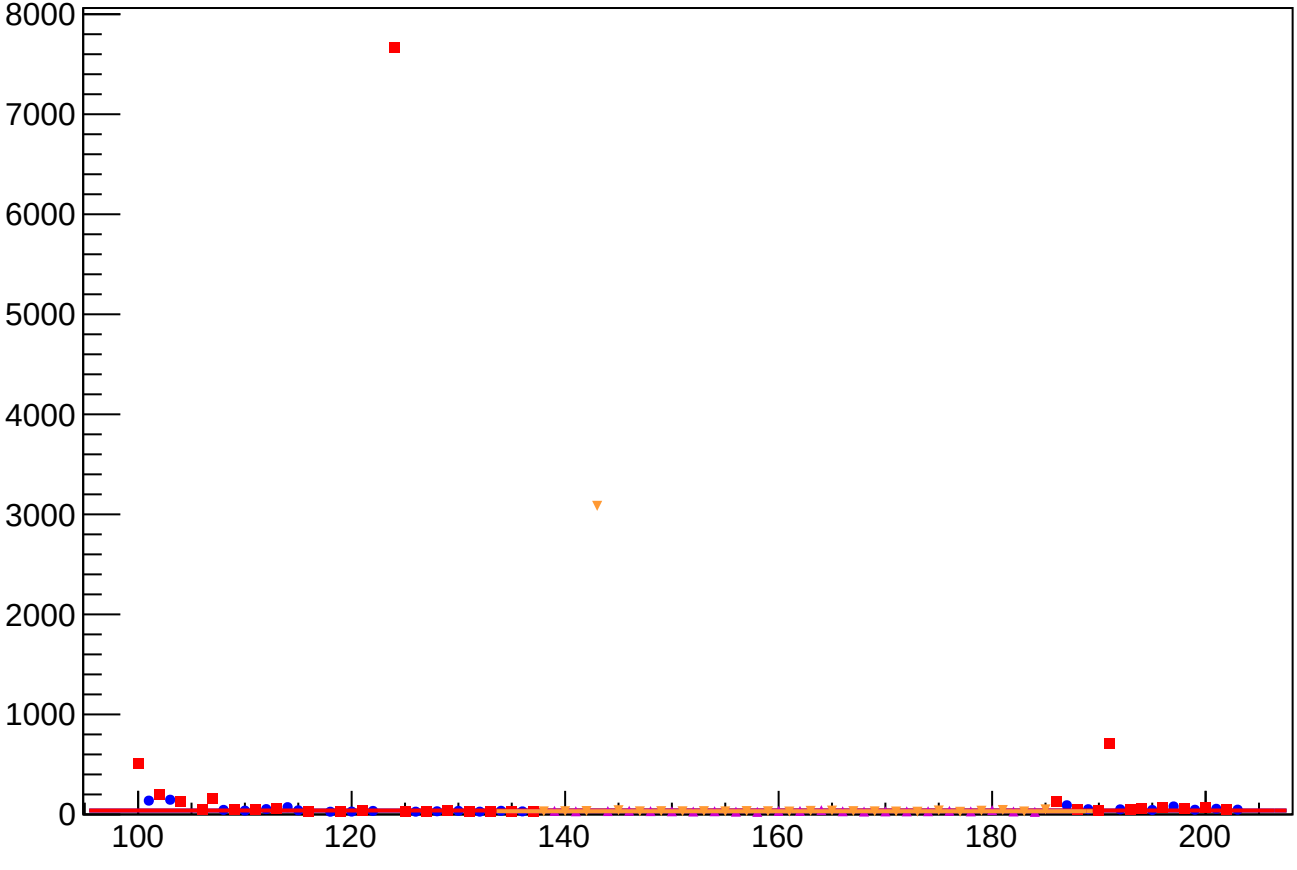
Right: -0.007+/-0.009 χ^2/NDF: 53.2/52

In: -0.005+/-0.007 χ^2/NDF:48.7/46

Out: -0.009+/-0.007 χ^2/NDF:65.1/53

All: -0.007+/-0.005 χ^2/NDF: 113.9/100

asym_at1_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 39.057+/-0.009 χ^2/NDF: 2843191.0/23

Left Out: 32.277+/-0.006 χ^2/NDF:2120971.9/24

Right Out: 39.520+/-0.009 χ^2/NDF: 4212087.1/28

Left In: 32.422+/-0.006 χ^2/NDF:426001.5/22

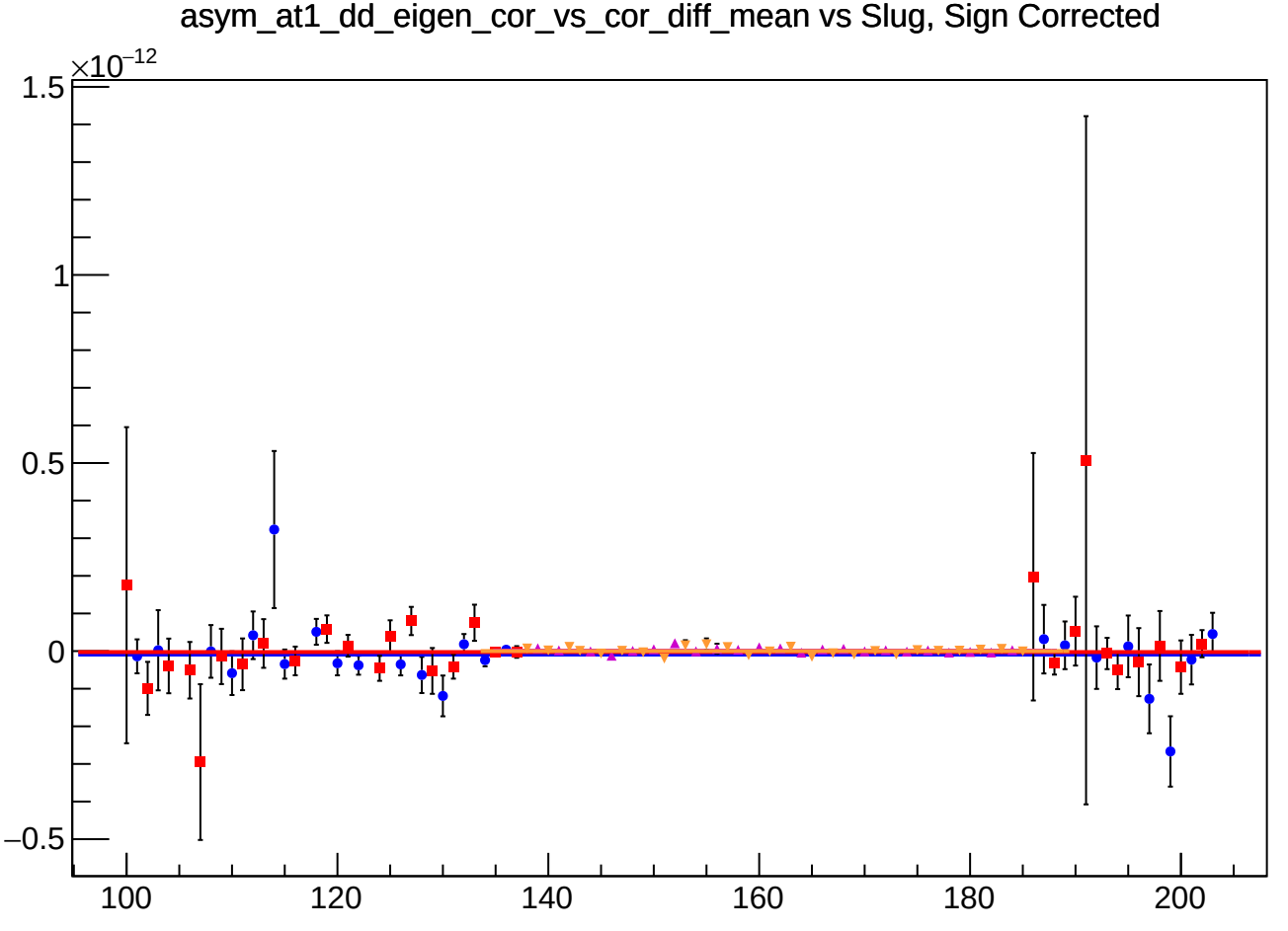
Left: 32.349+/-0.004 χ^2/NDF: 2547279.1/47

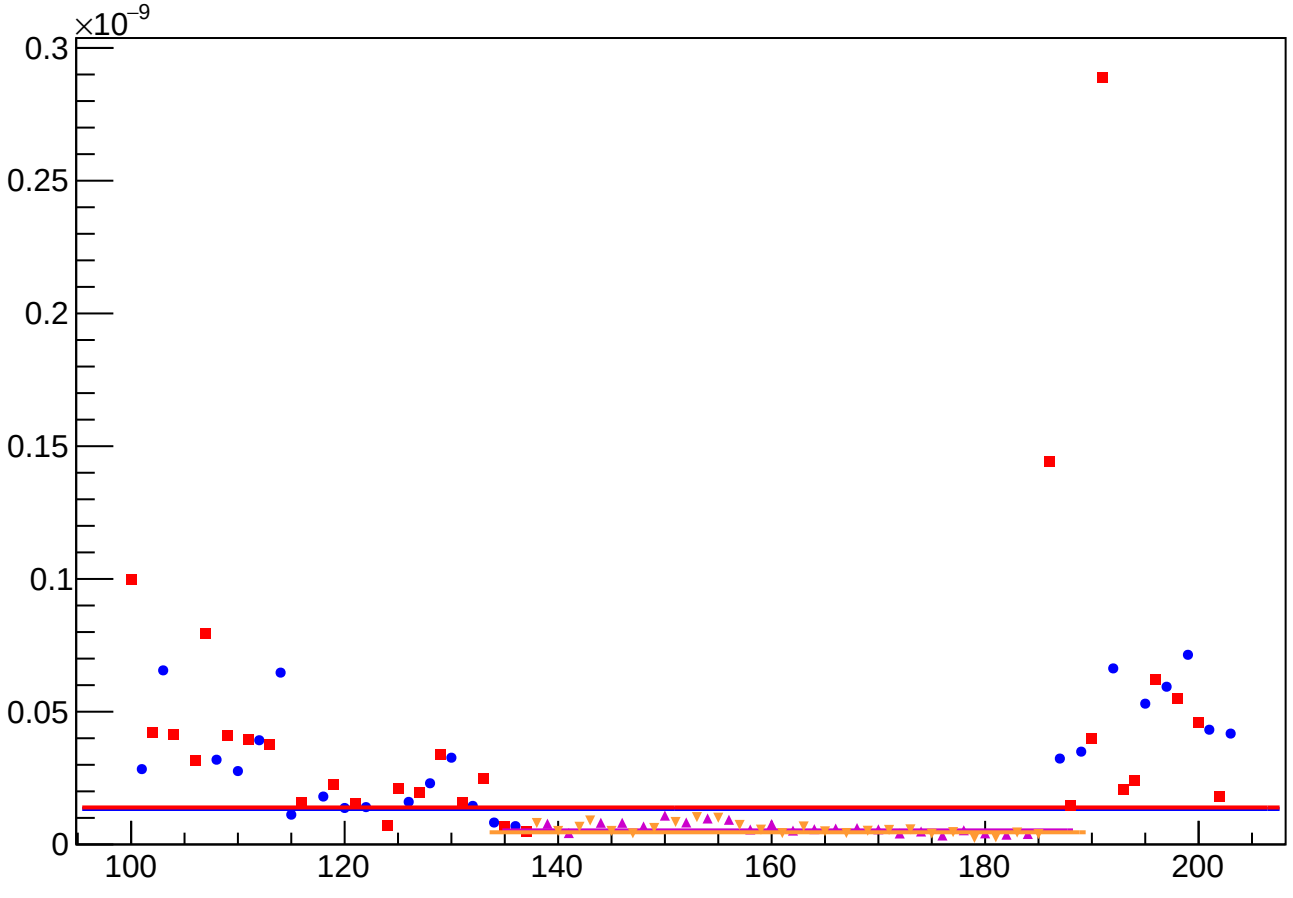
Right: 39.287+/-0.006 χ^2/NDF: 7056642.9/52

In: 34.452+/-0.005 χ^2/NDF:3661457.4/46

Out: 34.449+/-0.005 χ^2/NDF:6797352.7/53

All: 34.450+/-0.003 χ^2/NDF: 10458810.3/100


asym_at1_dd_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
1.5
1
0.5
0
−0.5
100
120
140
160
180
200
Right In: -0.000+/-0.000 χ²/NDF: 29.9/23
Left Out: 0.000+/-0.000 χ²/NDF:21.1/24
Right Out: -0.000+/-0.000 χ²/NDF: 24.7/28
Left In: 0.000+/-0.000 χ²/NDF:9.2/22
Left: 0.000+/-0.000 χ²/NDF: 30.5/47
Right: -0.000+/-0.000 χ²/NDF: 55.2/52
In: 0.000+/-0.000 χ²/NDF:41.6/46
Out: -0.000+/-0.000 χ²/NDF:45.9/53
All: 0.000+/-0.000 χ²/NDF: 87.6/100



Right In: 0.000+/-0.000 χ^2/NDF: 6804319.3/23

Left Out: 0.000+/-0.000 χ^2/NDF:2796753.7/24

Right Out: 0.000+/-0.000 χ^2/NDF: 6060226.5/28

Left In: 0.000+/-0.000 χ^2/NDF:2230717.6/22

Left: 0.000+/-0.000 χ^2/NDF: 5240558.3/47

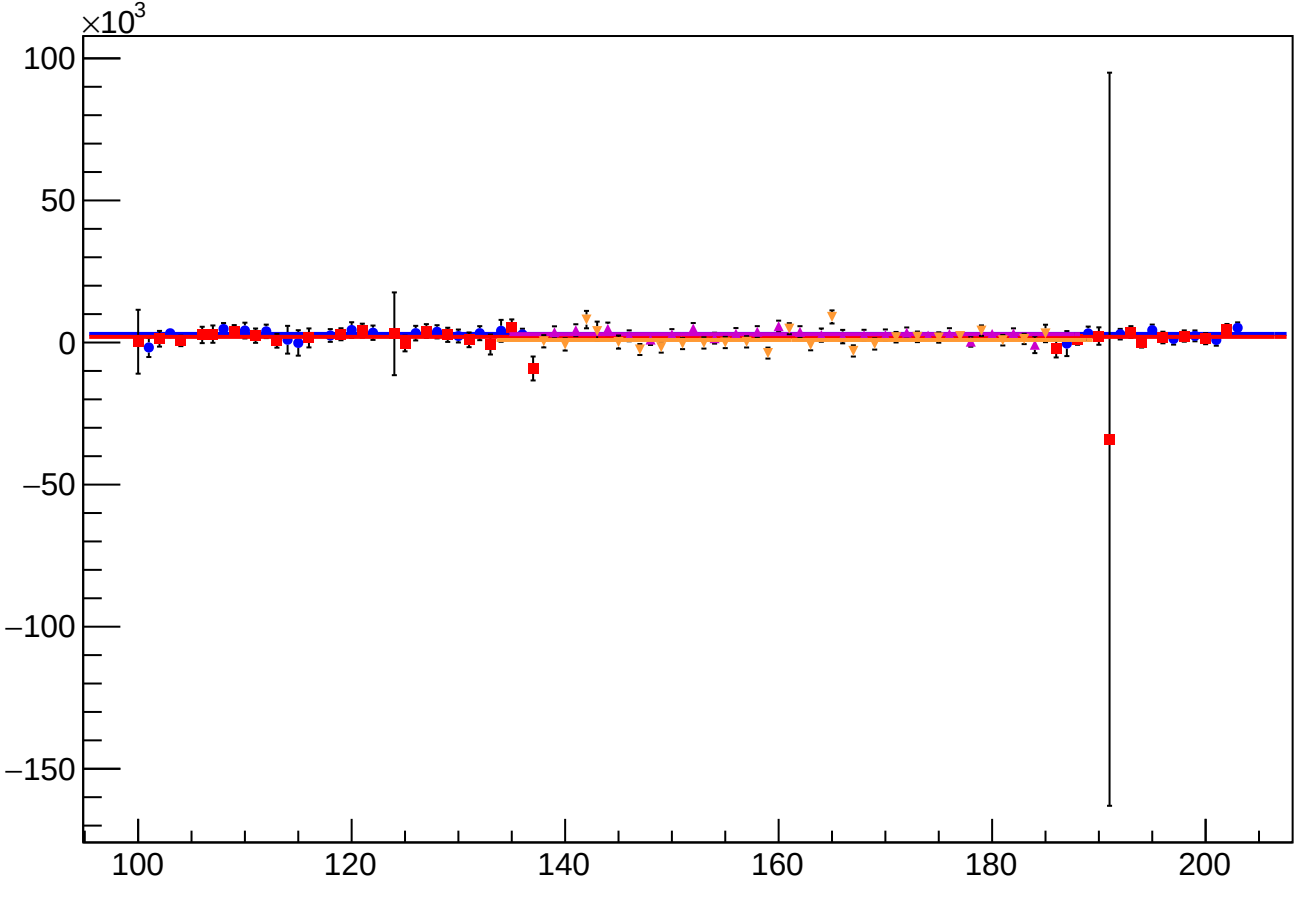
Right: 0.000+/-0.000 χ^2/NDF: 12872602.9/52

In: 0.000+/-0.000 χ^2/NDF:12178410.4/46

Out: 0.000+/-0.000 χ^2/NDF:12606784.8/53

All: 0.000+/-0.000 χ^2/NDF: 25076045.1/100

reg_asym_at2_avg_mean vs Slug, Sign Corrected



Right In: 3026.065+/-480.225 χ^2/NDF: 8.6/23

Left Out: 898.921+/-405.540 χ^2/NDF:45.3/24

Right Out: 1985.250+/-465.596 χ^2/NDF: 20.1/28

Left In: 2943.285+/-412.069 χ^2/NDF:10.6/22

Left: 1904.780+/-289.041 χ^2/NDF: 68.3/47

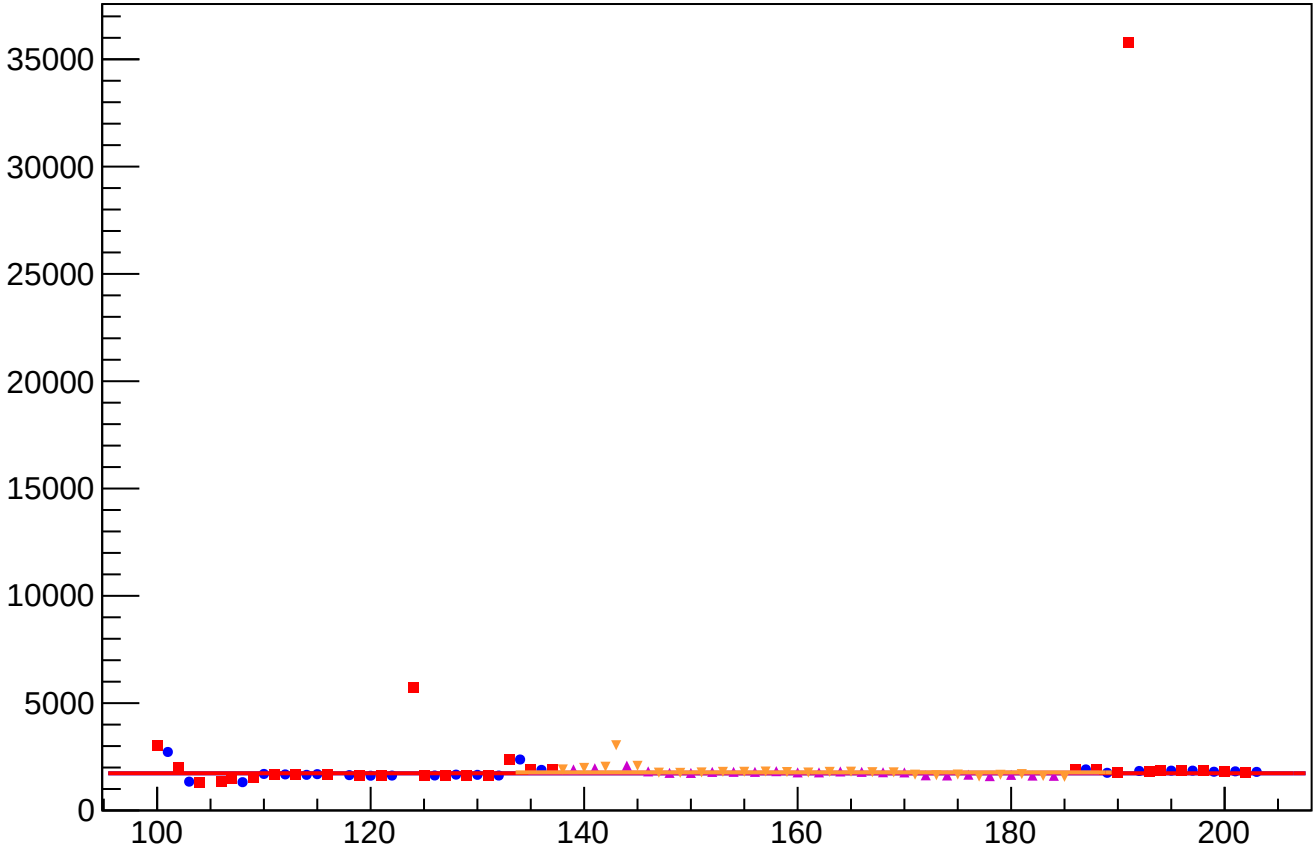
Right: 2489.562+/-334.278 χ^2/NDF: 31.2/52

In: 2978.389+/-312.722 χ^2/NDF:19.2/46

Out: 1367.550+/-305.804 χ^2/NDF:68.5/53

All: 2154.953+/-218.641 χ^2/NDF: 101.2/100

reg_asym_at2_avg_rms vs Slug, Sign Corrected



Right In: 1729.637+/-0.340 χ^2/NDF: 474229.1/23

Left Out: 1774.731+/-0.287 χ^2/NDF:446895.8/24

Right Out: 1733.113+/-0.329 χ^2/NDF: 666021.2/28

Left In: 1761.089+/-0.291 χ^2/NDF:146266.6/22

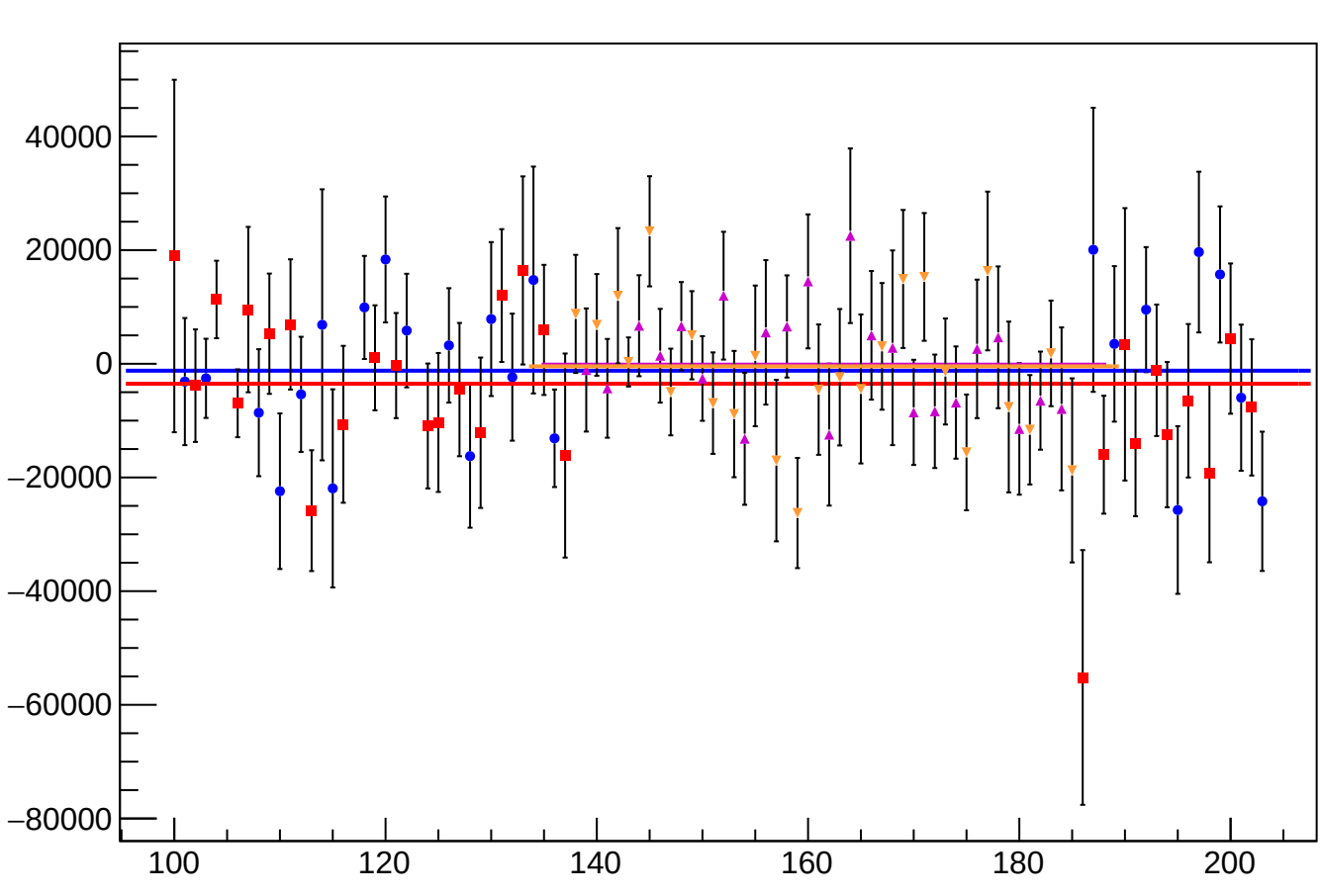
Left: 1768.019+/-0.204 χ^2/NDF: 594275.9/47

Right: 1731.429+/-0.236 χ^2/NDF: 1140304.3/52

In: 1747.751+/-0.221 χ^2/NDF:625436.4/46

Out: 1756.777+/-0.216 χ^2/NDF:1122003.3/53

All: 1752.365+/-0.155 χ^2/NDF: 1748291.4/10



Right In: -1217.510+/-2374.672 χ^2/NDF: 26.8/23

Left Out: -443.346+/-1925.604 χ^2/NDF:29.5/24

Right Out: -3507.220+/-2111.241 χ^2/NDF: 28.2/28

Left In: -155.268+/-2143.489 χ^2/NDF:13.8/22

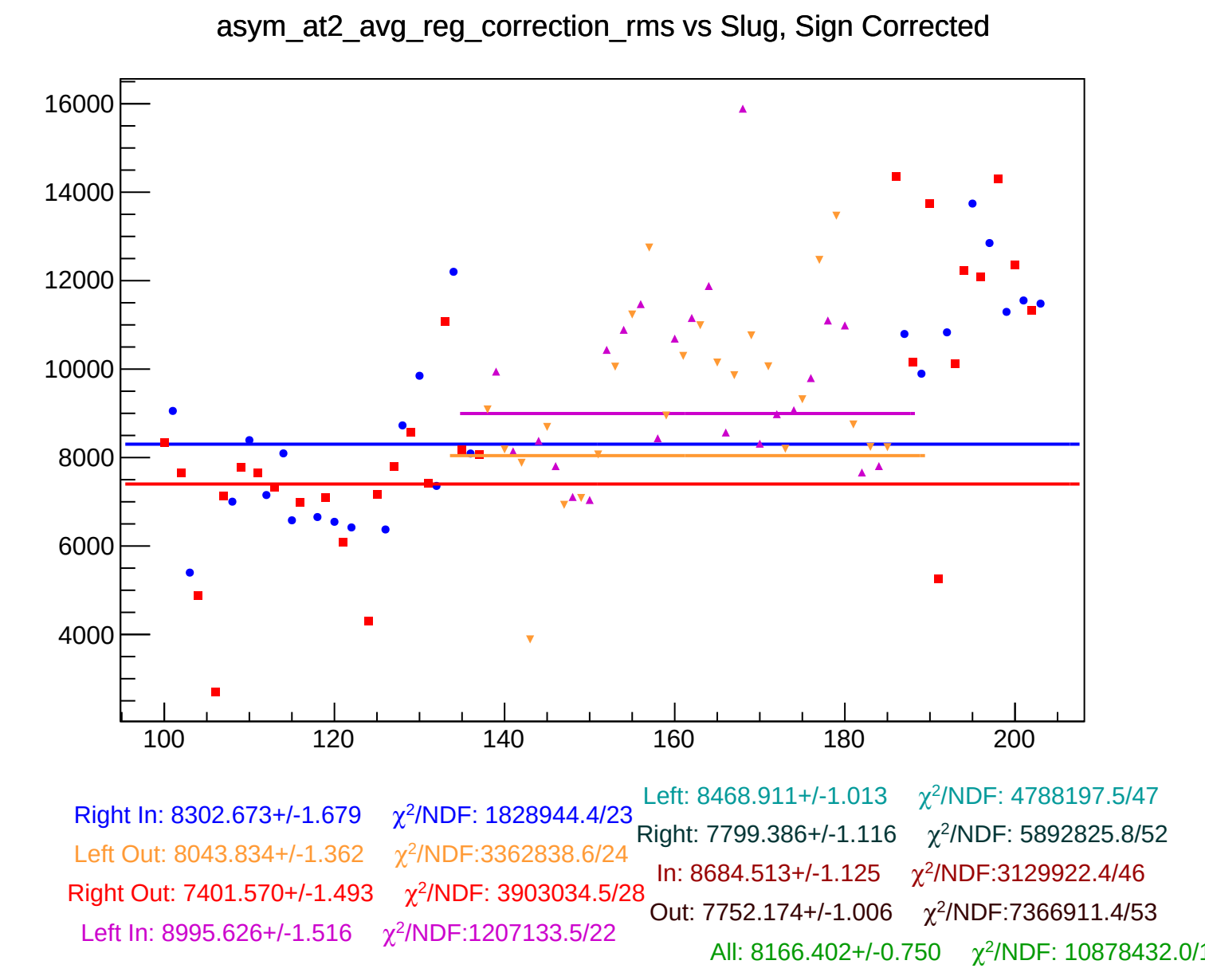
Left: -314.688+/-1432.465 χ^2/NDF: 43.3/47

Right: -2496.363+/-1577.822 χ^2/NDF: 55.4/52

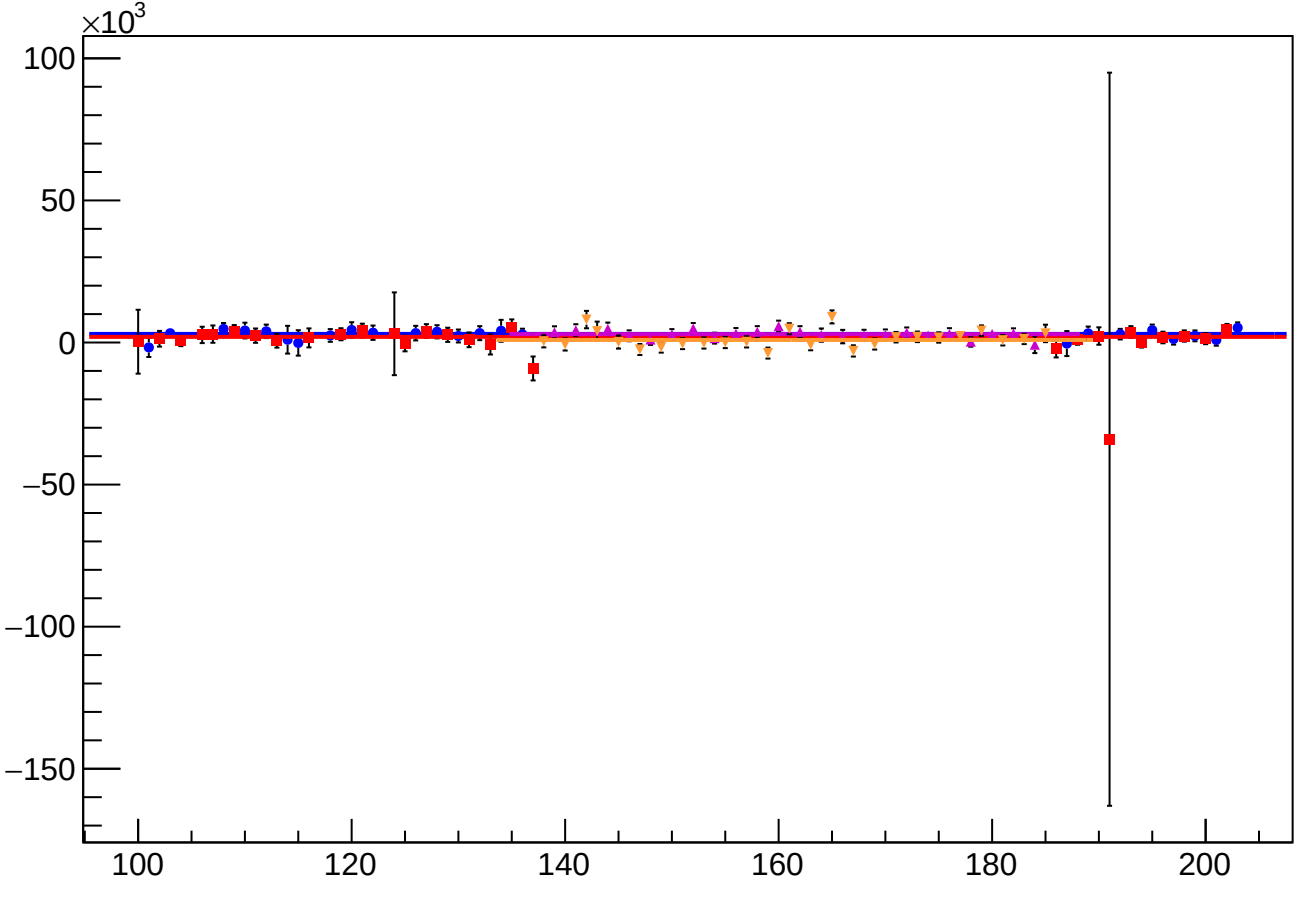
In: -632.179+/-1591.147 χ^2/NDF:40.7/46

Out: -1834.686+/-1422.719 χ^2/NDF:58.8/53

All: -1300.425+/-1060.580 χ^2/NDF: 99.8/100


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: 8302.673+/-1.679 χ²/NDF: 1828944.4/23
Left Out: 8043.834+/-1.362 χ²/NDF:3362838.6/24
Right Out: 7401.570+/-1.493 χ²/NDF: 3903034.5/28
Left In: 8995.626+/-1.516 χ²/NDF:1207133.5/22
Left: 8468.911+/-1.013 χ²/NDF: 4788197.5/47
Right: 7799.386+/-1.116 χ²/NDF: 5892825.8/52
In: 8684.513+/-1.125 χ²/NDF:3129922.4/46
Out: 7752.174+/-1.006 χ²/NDF:7366911.4/53
All: 8166.402+/-0.750 χ²/NDF: 10878432.0/1

cor_asym_at2_avg_mean vs Slug, Sign Corrected



Right In: 3026.153+/-480.225 χ^2/NDF: 8.6/23

Left Out: 898.842+/-405.540 χ^2/NDF:45.3/24

Right Out: 1985.145+/-465.596 χ^2/NDF: 20.1/28

Left In: 2943.173+/-412.069 χ^2/NDF:10.6/22

Left: 1904.684+/-289.041 χ^2/NDF: 68.3/47

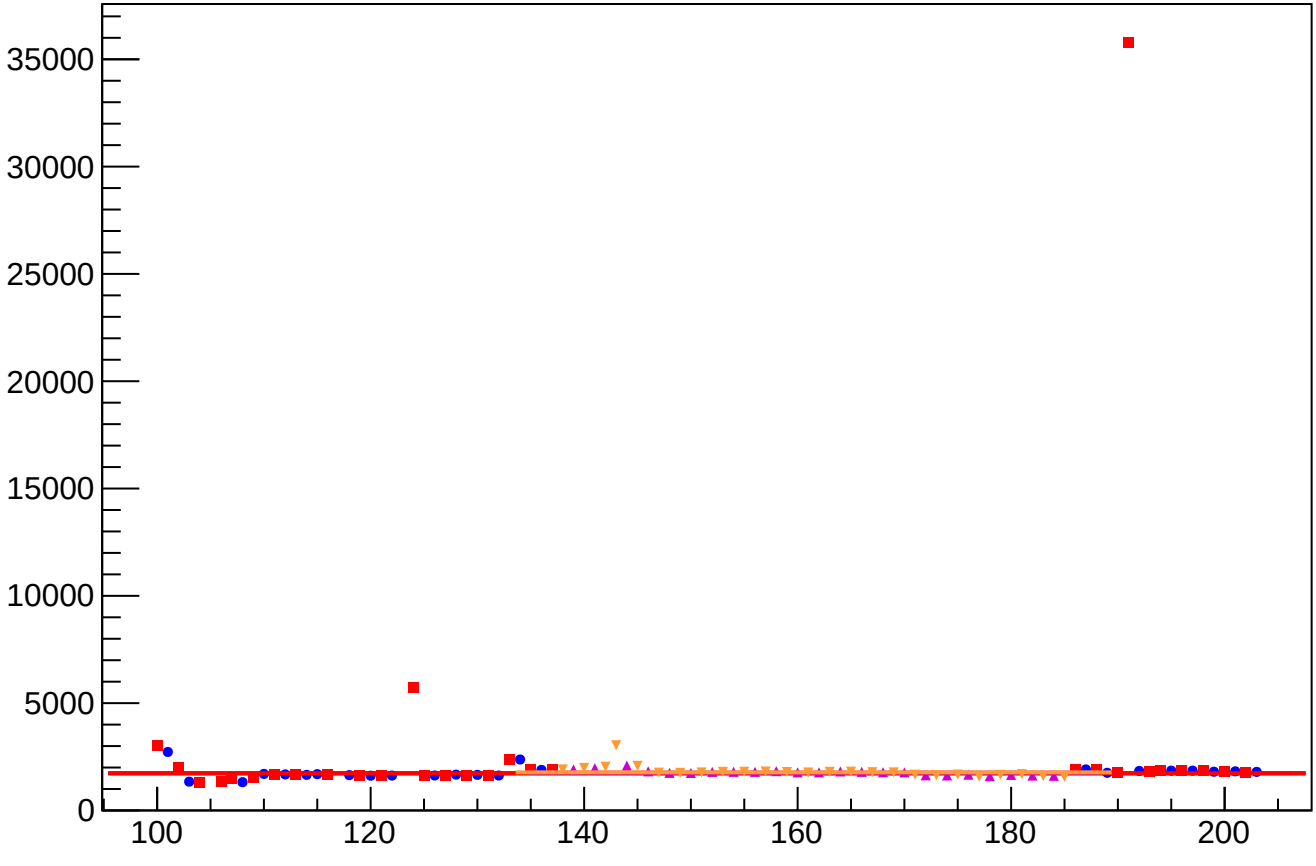
Right: 2489.550+/-334.278 χ^2/NDF: 31.2/52

In: 2978.361+/-312.722 χ^2/NDF:19.2/46

Out: 1367.459+/-305.804 χ^2/NDF:68.5/53

All: 2154.893+/-218.641 χ^2/NDF: 101.2/100

cor_asym_at2_avg_rms vs Slug, Sign Corrected



Right In: 1729.637+/-0.340 χ^2/NDF: 474229.5/23

Left Out: 1774.731+/-0.287 χ^2/NDF:446895.7/24

Right Out: 1733.113+/-0.329 χ^2/NDF: 666021.5/28

Left In: 1761.089+/-0.291 χ^2/NDF:146266.6/22

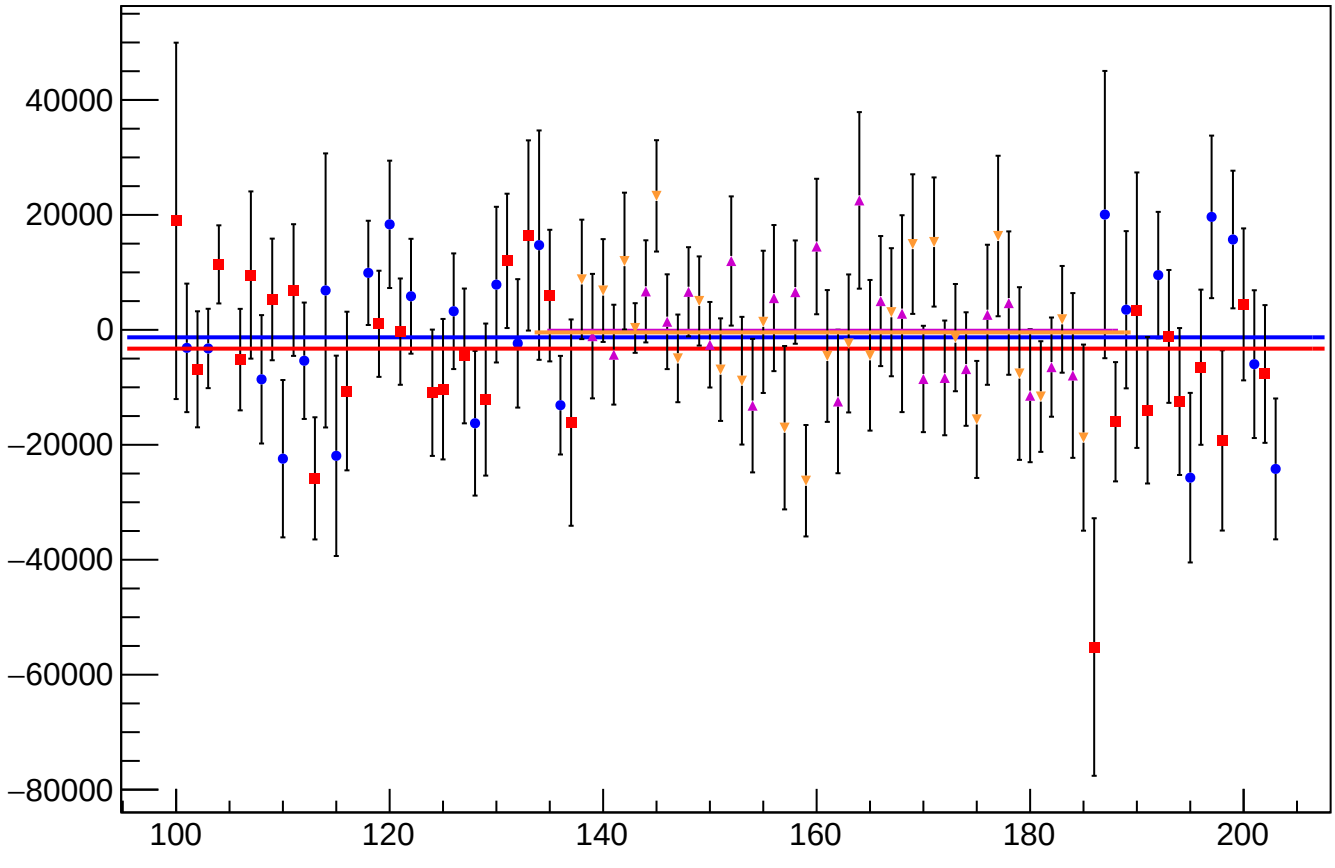
Left: 1768.019+/-0.204 χ^2/NDF: 594275.8/47

Right: 1731.429+/-0.236 χ^2/NDF: 1140304.9/52

In: 1747.751+/-0.221 χ^2/NDF:625436.8/46

Out: 1756.777+/-0.216 χ^2/NDF:1122003.5/53

All: 1752.365+/-0.155 χ^2/NDF: 1748292.0/10



Right In: -1300.404+/-2372.295 χ^2/NDF: 26.8/23

Left Out: -443.387+/-1925.600 χ^2/NDF:29.5/24

Right Out: -3269.652+/-2188.352 χ^2/NDF: 28.0/28

Left In: -155.239+/-2143.487 χ^2/NDF:13.8/22

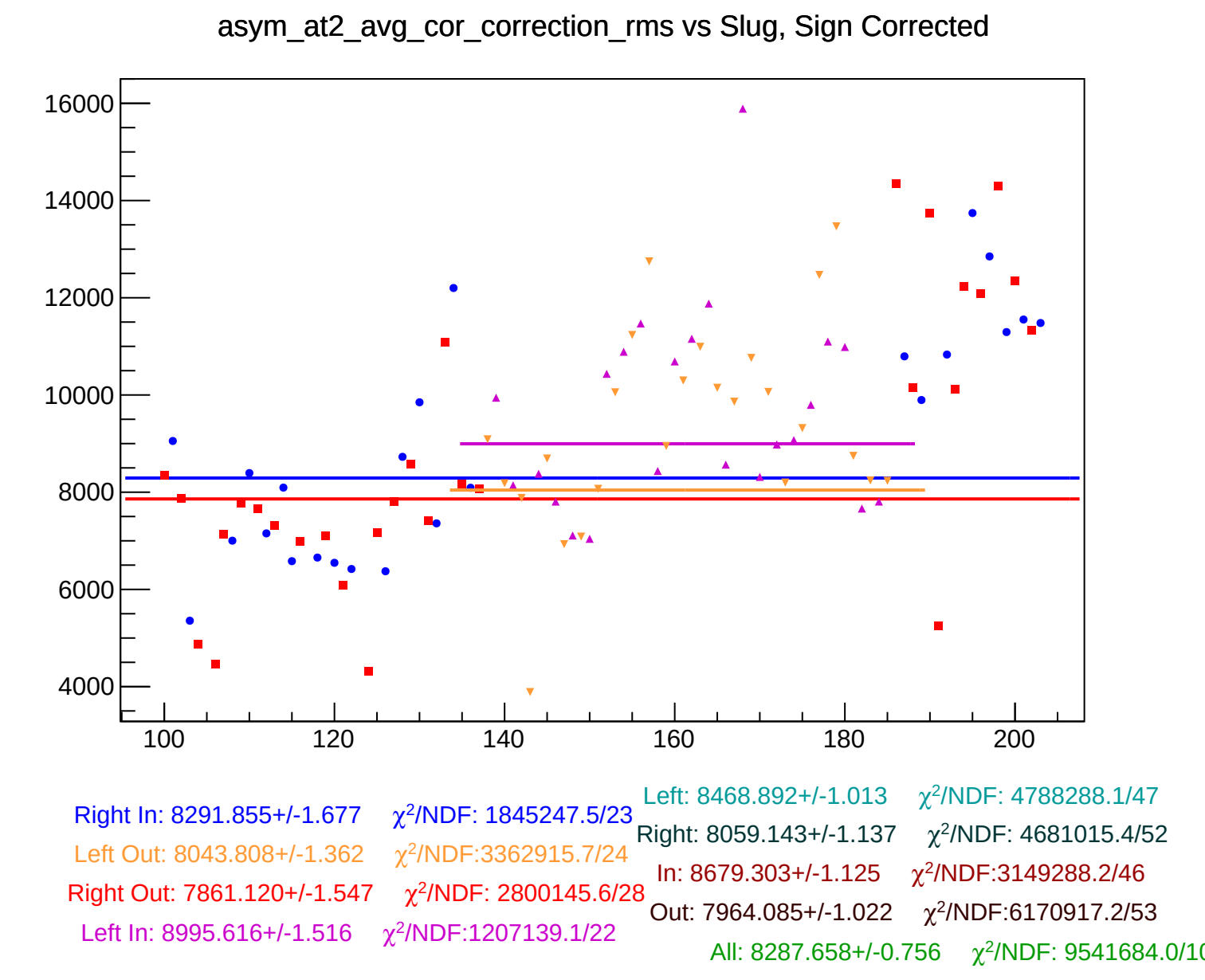
Left: -314.698+/-1432.462 χ^2/NDF: 43.3/47

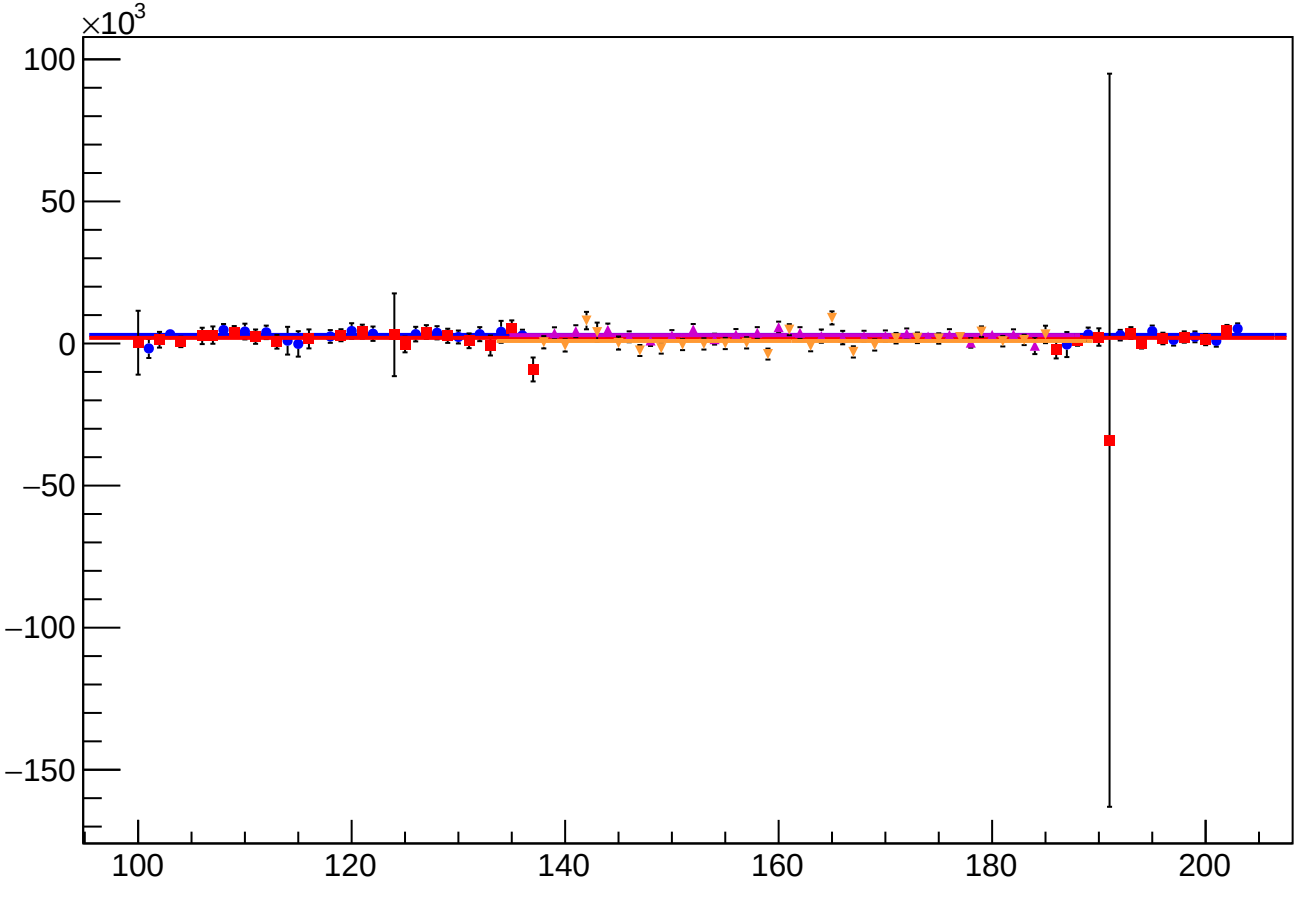
Right: -2364.324+/-1608.501 χ^2/NDF: 55.2/52

In: -669.946+/-1590.431 χ^2/NDF:40.7/46

Out: -1676.744+/-1445.623 χ^2/NDF:58.4/53

All: -1221.256+/-1069.749 χ^2/NDF: 99.4/100


asym_at2_avg_cor_correction_rms vs Slug, Sign Corrected
16000
14000
12000
10000
8000
6000
4000
100
120
140
160
180
200
Right In: 8291.855+/-1.677 χ²/NDF: 1845247.5/23
Left Out: 8043.808+/-1.362 χ²/NDF:3362915.7/24
Right Out: 7861.120+/-1.547 χ²/NDF: 2800145.6/28
Left In: 8995.616+/-1.516 χ²/NDF:1207139.1/22
Left: 8468.892+/-1.013 χ²/NDF: 4788288.1/47
Right: 8059.143+/-1.137 χ²/NDF: 4681015.4/52
In: 8679.303+/-1.125 χ²/NDF:3149288.2/46
Out: 7964.085+/-1.022 χ²/NDF:6170917.2/53
All: 8287.658+/-0.756 χ²/NDF: 9541684.0/10



Right In: 3026.153+/-480.225 χ^2/NDF: 8.6/23

Left Out: 898.842+/-405.540 χ^2/NDF:45.3/24

Right Out: 1985.145+/-465.596 χ^2/NDF: 20.1/28

Left In: 2943.173+/-412.069 χ^2/NDF:10.6/22

Left: 1904.684+/-289.041 χ^2/NDF: 68.3/47

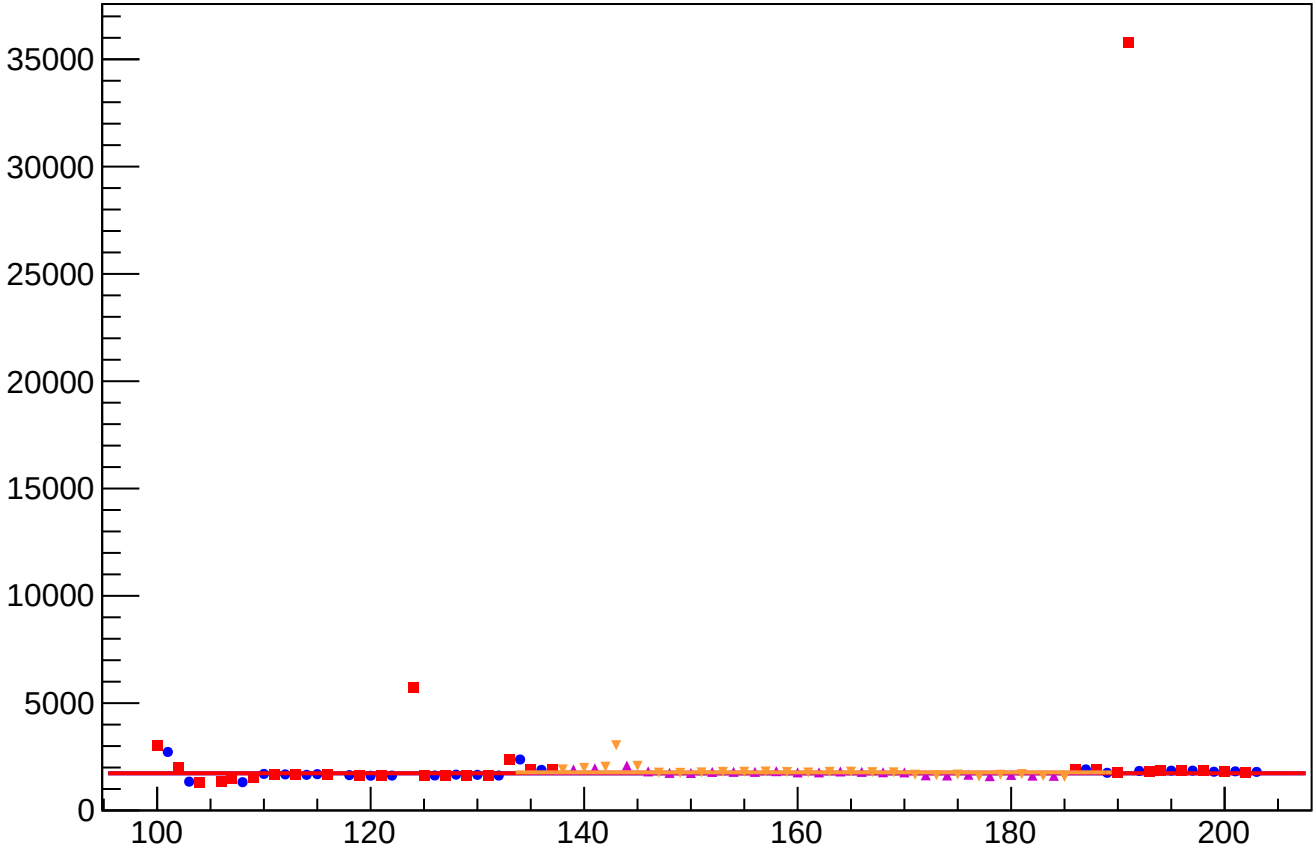
Right: 2489.550+/-334.278 χ^2/NDF: 31.2/52

In: 2978.361+/-312.722 χ^2/NDF:19.2/46

Out: 1367.459+/-305.804 χ^2/NDF:68.5/53

All: 2154.893+/-218.641 χ^2/NDF: 101.2/100

eigen_cor_asym_at2_avg_rms vs Slug, Sign Corrected



Right In: 1729.637+/-0.340 χ^2/NDF: 474229.5/23

Left Out: 1774.731+/-0.287 χ^2/NDF:446895.7/24

Right Out: 1733.113+/-0.329 χ^2/NDF: 666021.5/28

Left In: 1761.089+/-0.291 χ^2/NDF:146266.6/22

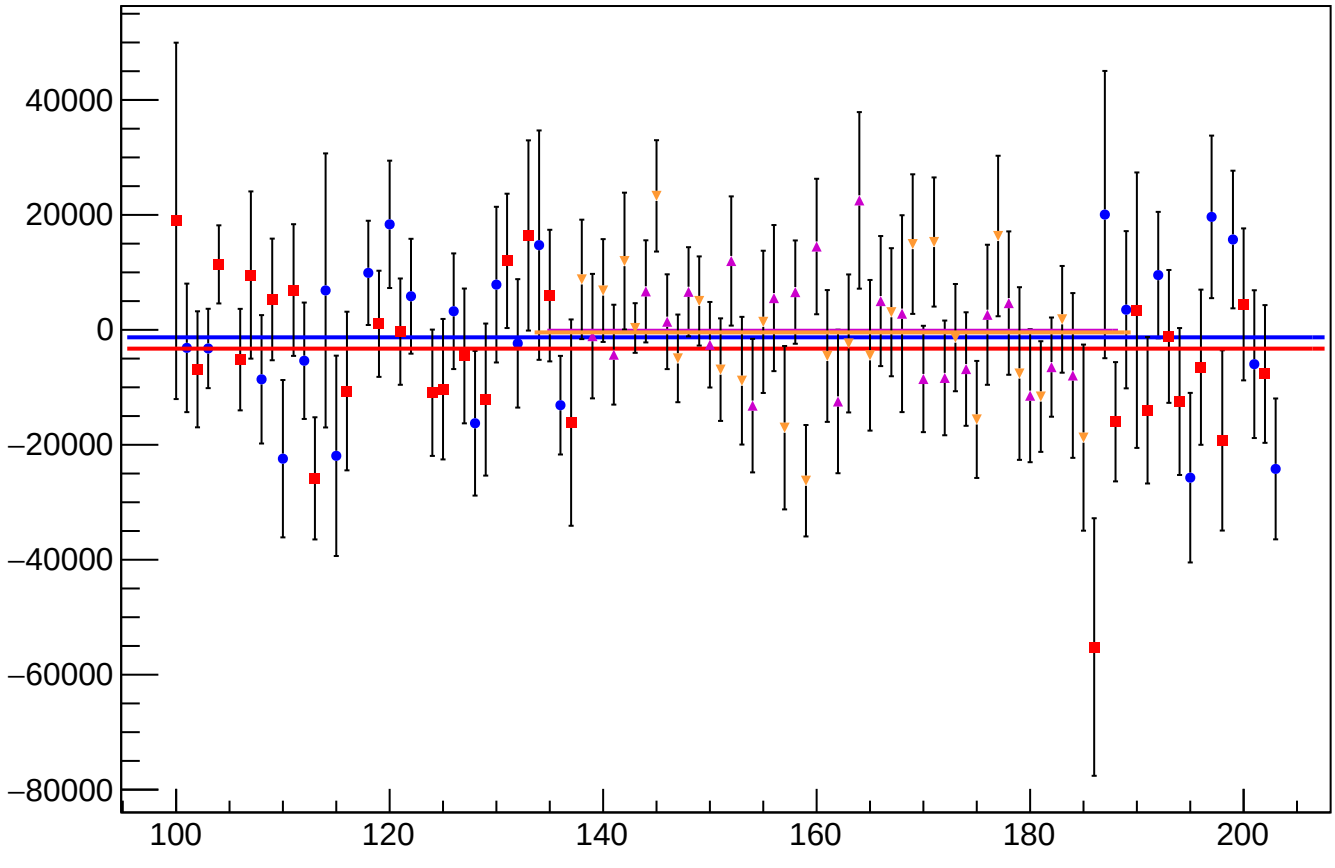
Left: 1768.019+/-0.204 χ^2/NDF: 594275.8/47

Right: 1731.429+/-0.236 χ^2/NDF: 1140304.9/52

In: 1747.751+/-0.221 χ^2/NDF:625436.8/46

Out: 1756.777+/-0.216 χ^2/NDF:1122003.5/53

All: 1752.365+/-0.155 χ^2/NDF: 1748292.0/10



Right In: -1300.404+/-2372.295 χ^2/NDF: 26.8/23

Left Out: -443.387+/-1925.600 χ^2/NDF:29.5/24

Right Out: -3269.652+/-2188.352 χ^2/NDF: 28.0/28

Left In: -155.239+/-2143.487 χ^2/NDF:13.8/22

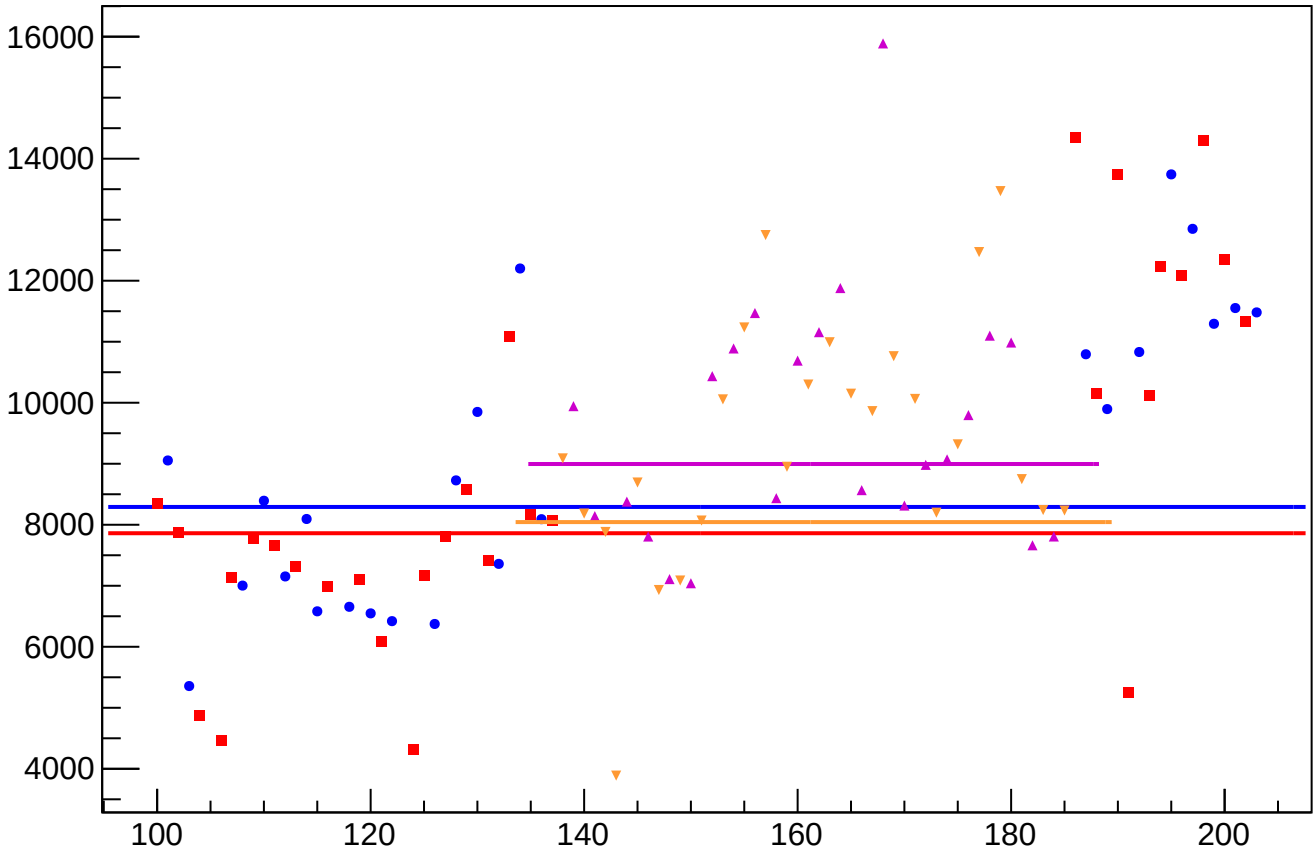
Left: -314.698+/-1432.462 χ^2/NDF: 43.3/47

Right: -2364.324+/-1608.501 χ^2/NDF: 55.2/52

In: -669.946+/-1590.431 χ^2/NDF:40.7/46

Out: -1676.744+/-1445.623 χ^2/NDF:58.4/53

All: -1221.256+/-1069.749 χ^2/NDF: 99.4/100



Right In: 8291.855+/-1.677 χ^2/NDF: 1845247.5/23

Left Out: 8043.808+/-1.362 χ^2/NDF:3362915.7/24

Right Out: 7861.120+/-1.547 χ^2/NDF: 2800145.6/28

Left In: 8995.616+/-1.516 χ^2/NDF:1207139.1/22

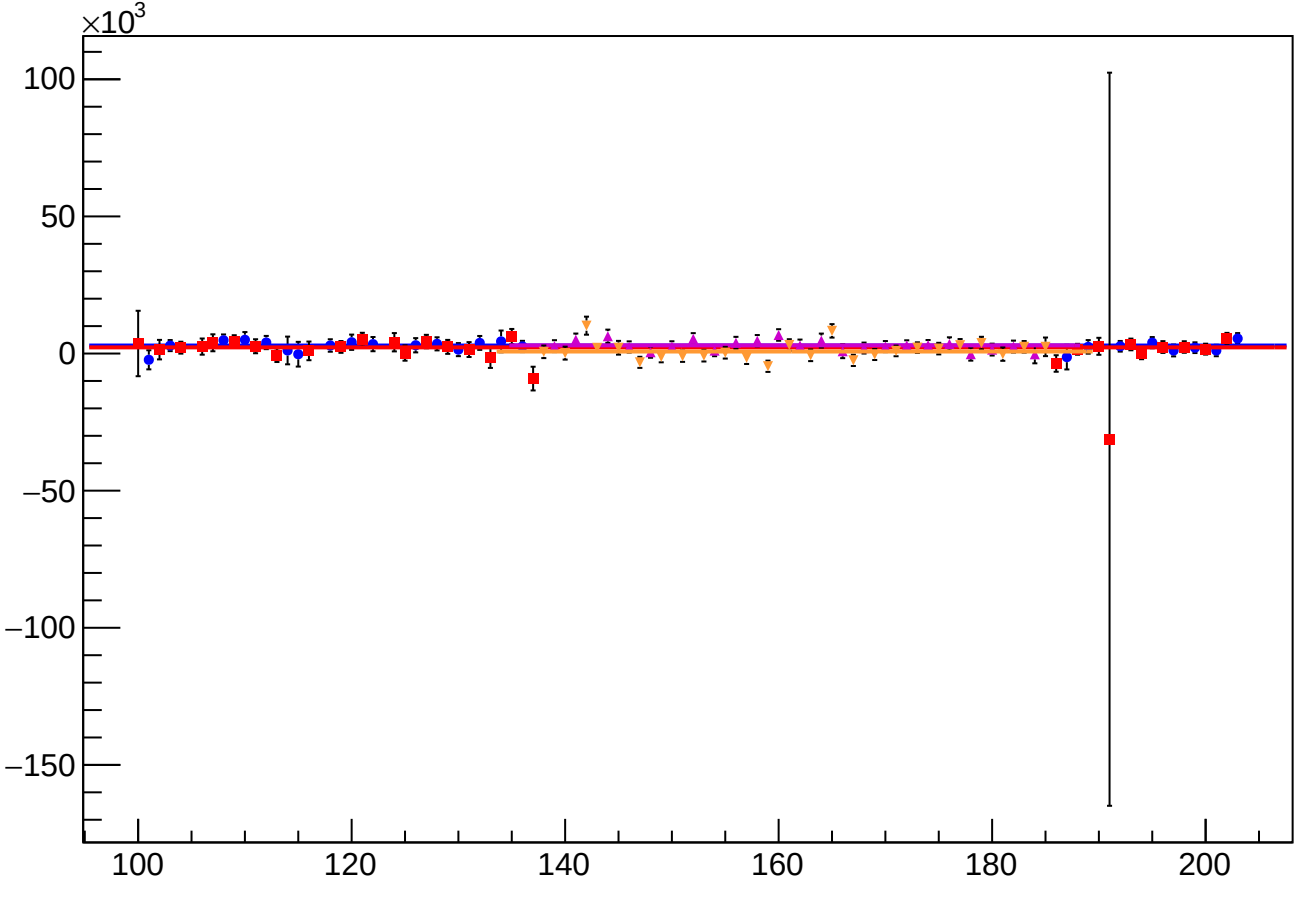
Left: 8468.892+/-1.013 χ^2/NDF: 4788288.1/47

Right: 8059.143+/-1.137 χ^2/NDF: 4681015.4/52

In: 8679.303+/-1.125 χ^2/NDF:3149288.2/46

Out: 7964.085+/-1.022 χ^2/NDF:6170917.2/53

All: 8287.658+/-0.756 χ^2/NDF: 9541684.0/10



Right In: 2918.882+/-498.151 χ^2/NDF: 9.8/23

Left Out: 739.029+/-432.878 χ^2/NDF:41.6/24

Right Out: 2244.368+/-479.907 χ^2/NDF: 24.6/28

Left In: 2979.225+/-450.334 χ^2/NDF:15.6/22

Left: 1814.868+/-312.080 χ^2/NDF: 70.1/47

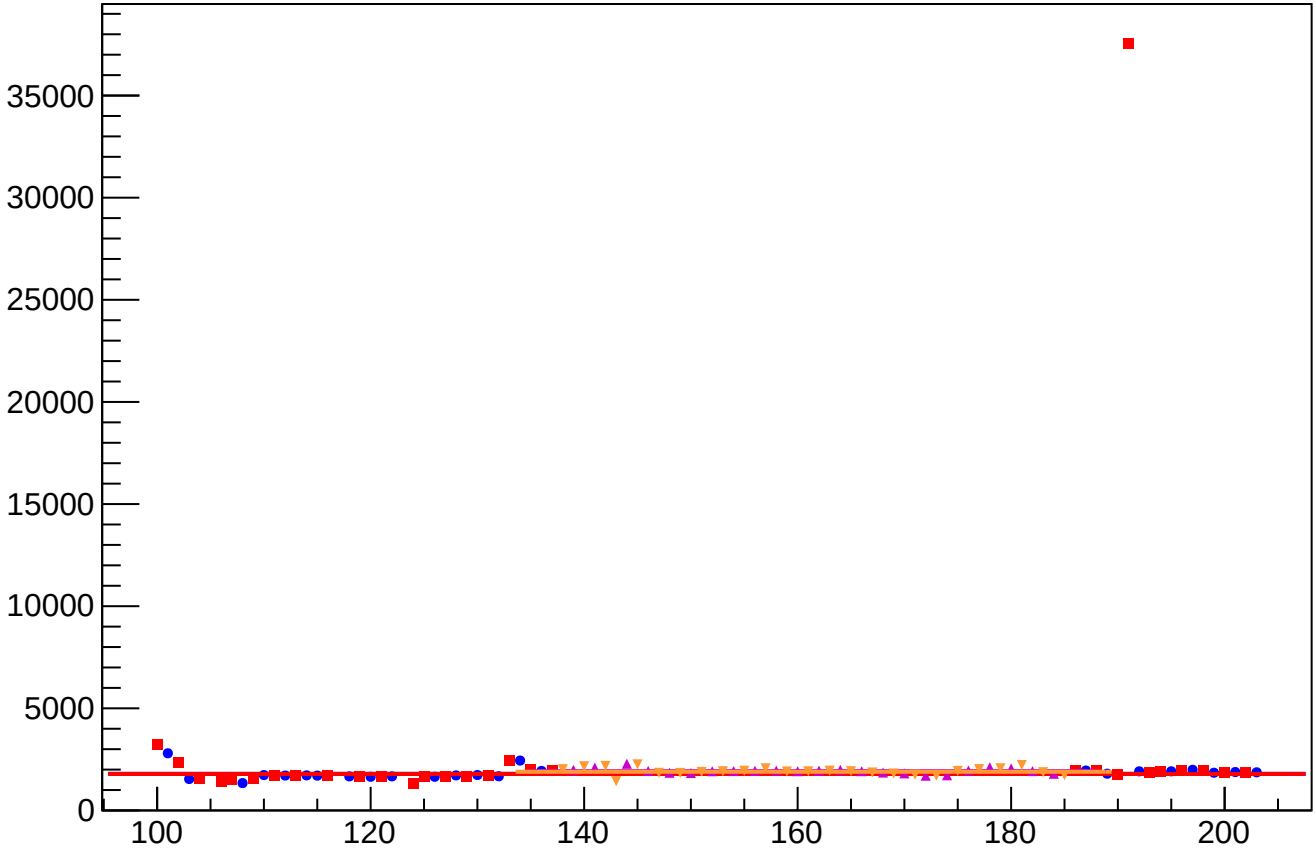
Right: 2569.048+/-345.615 χ^2/NDF: 35.4/52

In: 2952.088+/-334.064 χ^2/NDF:25.5/46

Out: 1414.345+/-321.435 χ^2/NDF:71.6/53

All: 2153.602+/-231.625 χ^2/NDF: 108.1/100

dit_asym_at2_avg_rms vs Slug, Sign Corrected



Right In: 1794.920+/-0.352 χ^2/NDF: 428946.0/23

Left Out: 1894.684+/-0.306 χ^2/NDF:368587.1/24

Right Out: 1784.576+/-0.339 χ^2/NDF: 534076.0/28

Left In: 1923.038+/-0.318 χ^2/NDF:150977.3/22

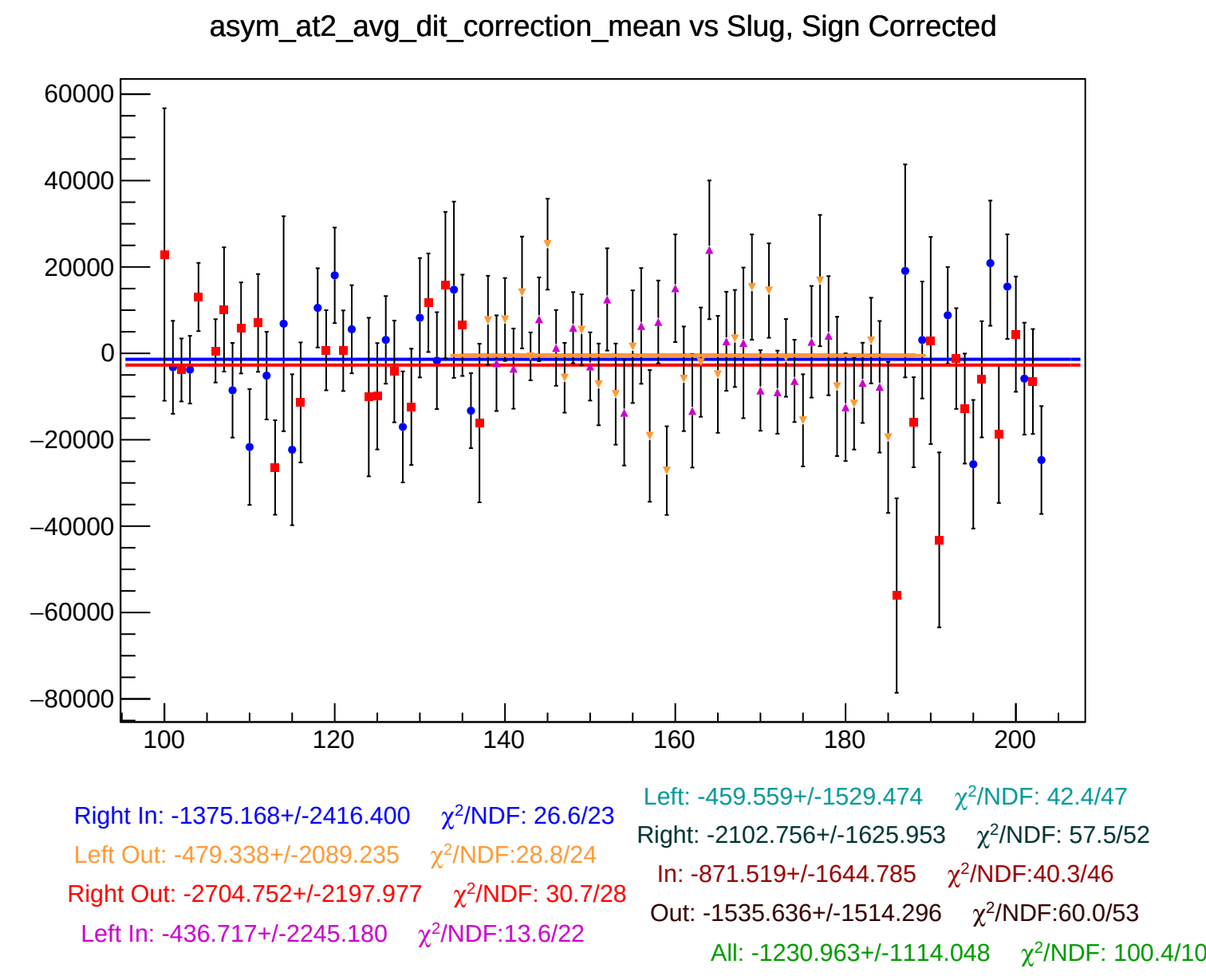
Left: 1908.301+/-0.221 χ^2/NDF: 523685.2/47

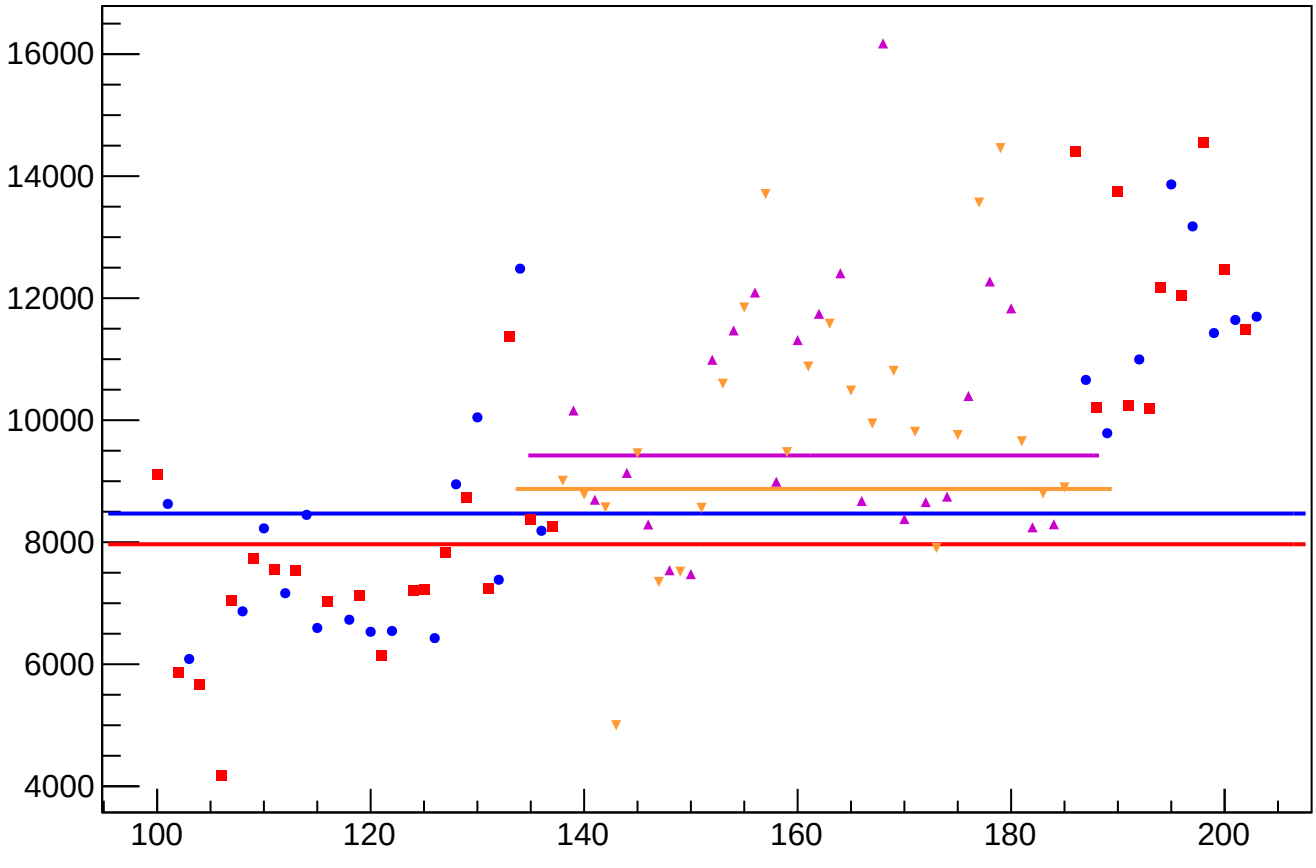
Right: 1789.554+/-0.244 χ^2/NDF: 963469.5/52

In: 1865.422+/-0.236 χ^2/NDF:652720.8/46

Out: 1845.277+/-0.227 χ^2/NDF:960727.5/53

All: 1854.960+/-0.164 χ^2/NDF: 1617225.3/10


asym_at2_avg_dit_correction_mean vs Slug, Sign Corrected
60000
40000
20000
0
−20000
−40000
−60000
−80000
100
120
140
160
180
200
Right In: -1375.168+/-2416.400 χ²/NDF: 26.6/23
Left Out: -479.338+/-2089.235 χ²/NDF:28.8/24
Right Out: -2704.752+/-2197.977 χ²/NDF: 30.7/28
Left In: -436.717+/-2245.180 χ²/NDF:13.6/22
Left: -459.559+/-1529.474 χ²/NDF: 42.4/47
Right: -2102.756+/-1625.953 χ²/NDF: 57.5/52
In: -871.519+/-1644.785 χ²/NDF:40.3/46
Out: -1535.636+/-1514.296 χ²/NDF:60.0/53
All: -1230.963+/-1114.048 χ²/NDF: 100.4/10



Right In: 8470.181+/-1.709 χ^2/NDF: 1680782.9/23

Left Out: 8873.592+/-1.477 χ^2/NDF:2203249.6/24

Right Out: 7966.737+/-1.554 χ^2/NDF: 2707062.0/28

Left In: 9421.708+/-1.588 χ^2/NDF:1204848.0/22

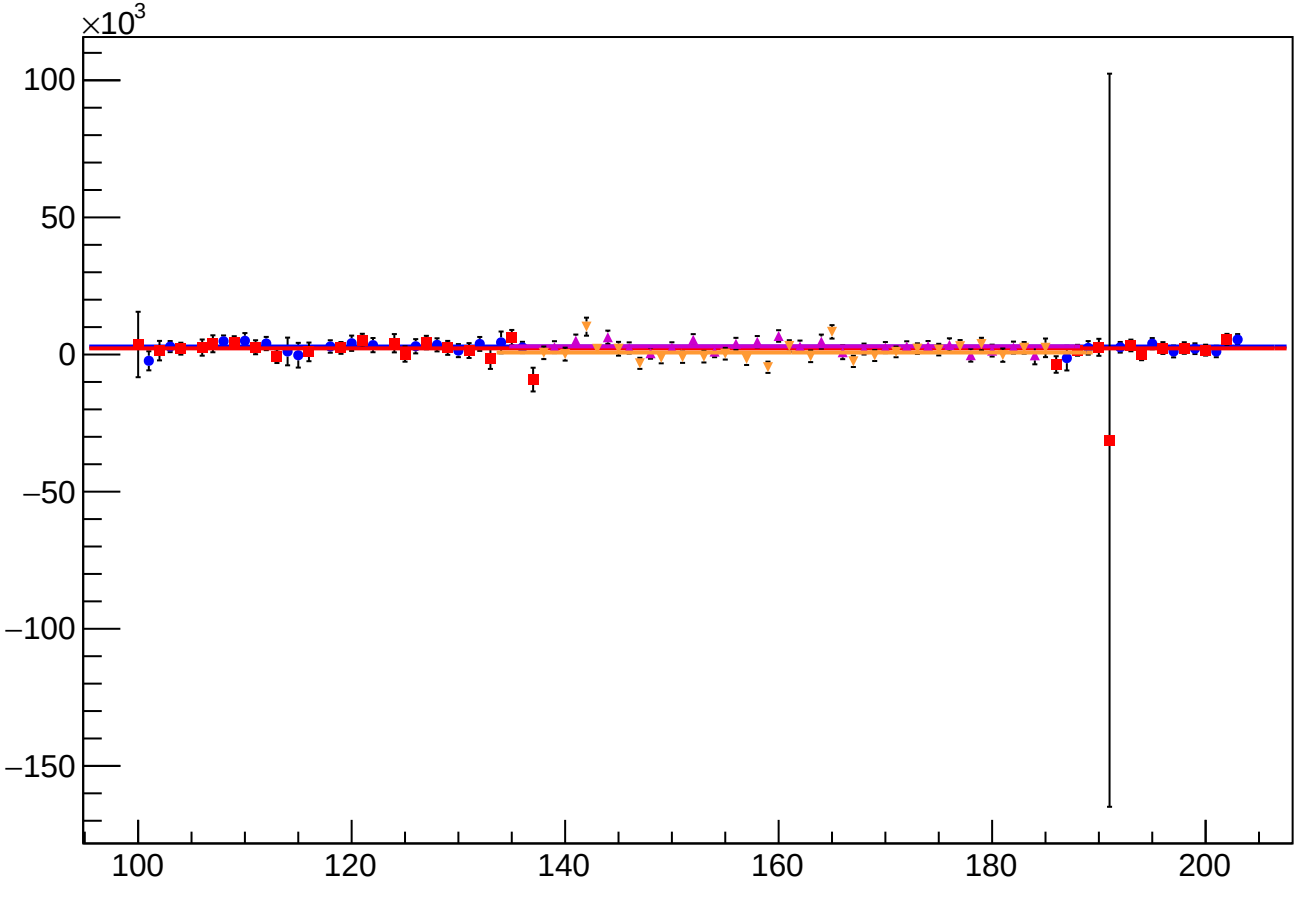
Left: 9127.955+/-1.082 χ^2/NDF: 3471980.0/47

Right: 8194.681+/-1.150 χ^2/NDF: 4435352.7/52

In: 8980.847+/-1.163 χ^2/NDF:3052068.1/46

Out: 8443.152+/-1.071 χ^2/NDF:5089169.1/53

All: 8689.827+/-0.788 χ^2/NDF: 8256920.5/10



Right In: 2918.877+/-498.151 χ^2/NDF: 9.8/23

Left Out: 739.018+/-432.879 χ^2/NDF:41.6/24

Right Out: 2244.371+/-479.907 χ^2/NDF: 24.6/28

Left In: 2979.226+/-450.335 χ^2/NDF:15.6/22

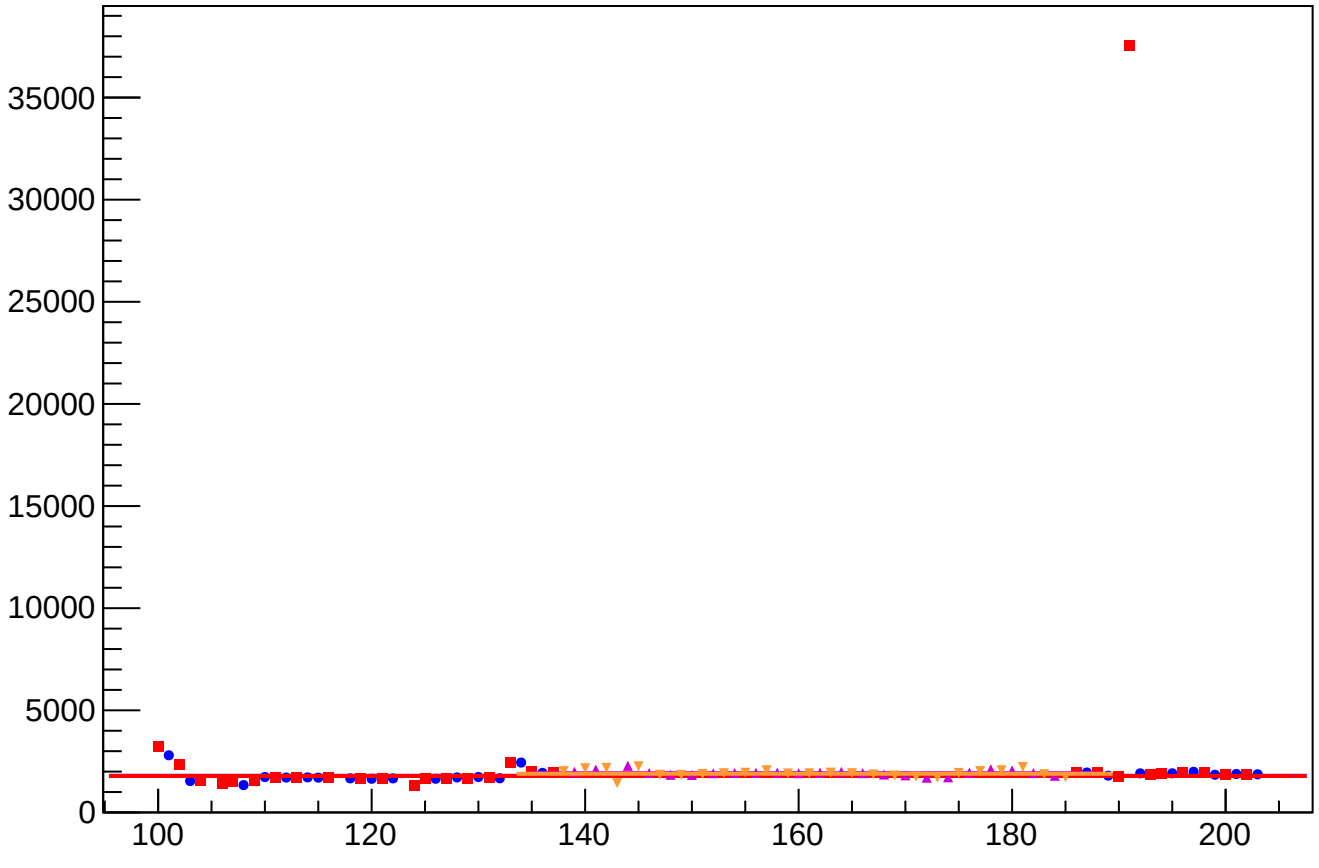
Left: 1814.862+/-312.080 χ^2/NDF: 70.1/47

Right: 2569.047+/-345.615 χ^2/NDF: 35.4/52

In: 2952.086+/-334.064 χ^2/NDF:25.5/46

Out: 1414.341+/-321.436 χ^2/NDF:71.6/53

All: 2153.600+/-231.625 χ^2/NDF: 108.1/100



Right In: 1794.920+/-0.352 χ^2/NDF: 428946.8/23

Left Out: 1894.687+/-0.306 χ^2/NDF:368594.6/24

Right Out: 1784.576+/-0.339 χ^2/NDF: 534077.3/28

Left In: 1923.042+/-0.318 χ^2/NDF:150984.8/22

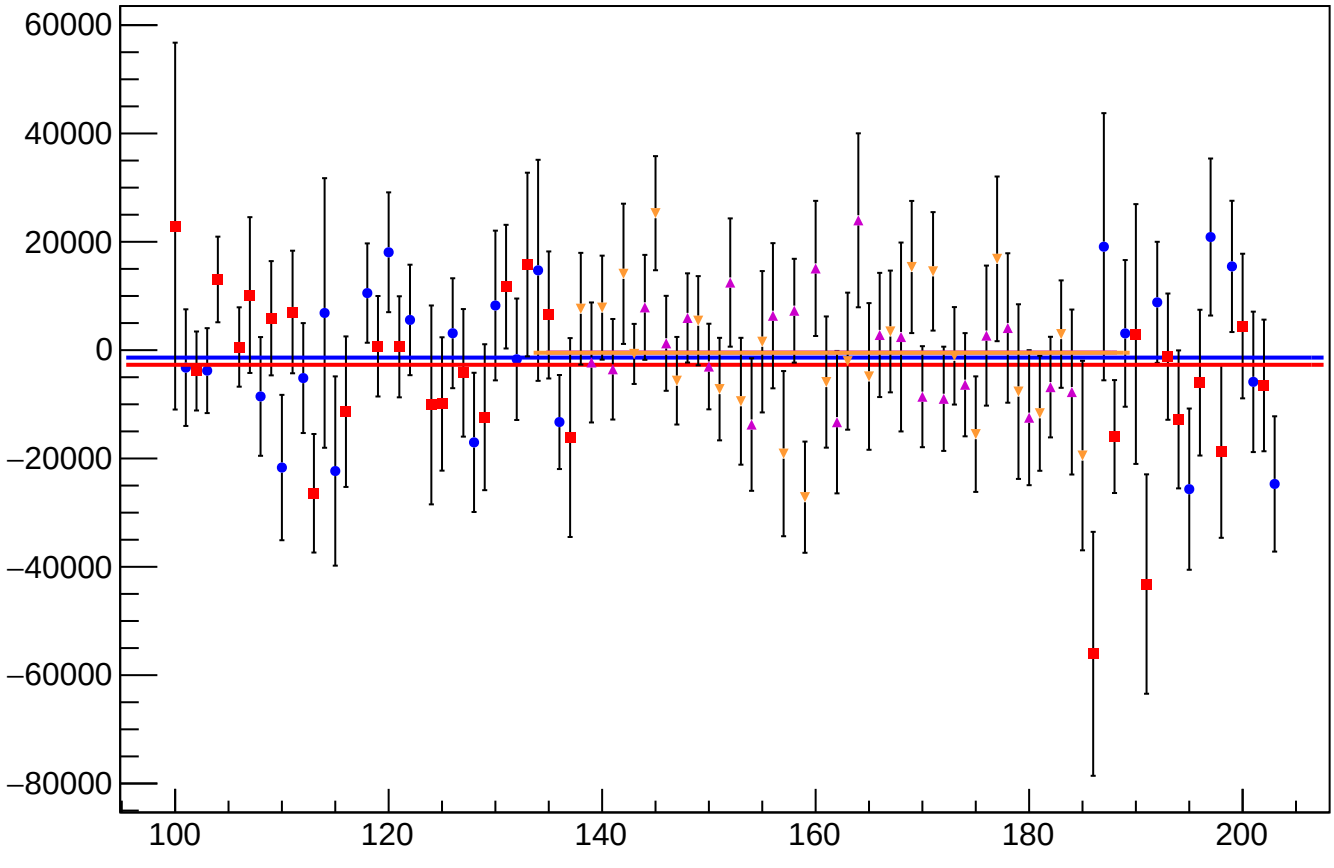
Left: 1908.304+/-0.221 χ^2/NDF: 523700.4/47

Right: 1789.554+/-0.244 χ^2/NDF: 963471.5/52

In: 1865.424+/-0.236 χ^2/NDF:652732.9/46

Out: 1845.278+/-0.227 χ^2/NDF:960739.6/53

All: 1854.962+/-0.164 χ^2/NDF: 1617249.4/10



Right In: -1375.152+/-2416.397 χ^2/NDF: 26.6/23

Left Out: -479.345+/-2089.238 χ^2/NDF:28.8/24

Right Out: -2704.738+/-2197.974 χ^2/NDF: 30.7/28

Left In: -436.720+/-2245.183 χ^2/NDF:13.6/22

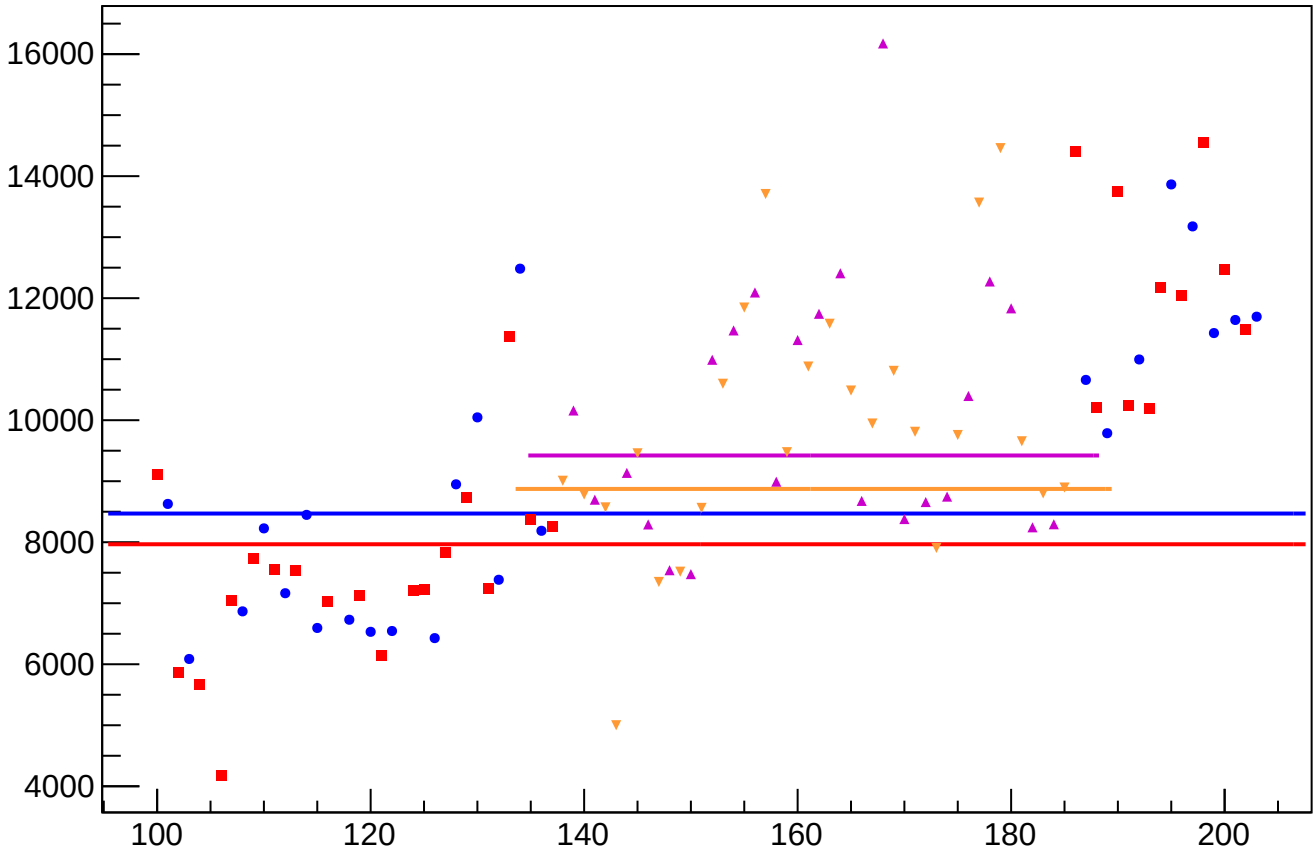
Left: -459.564+/-1529.476 χ^2/NDF: 42.4/47

Right: -2102.741+/-1625.950 χ^2/NDF: 57.5/52

In: -871.515+/-1644.785 χ^2/NDF:40.3/46

Out: -1535.636+/-1514.296 χ^2/NDF:60.0/53

All: -1230.961+/-1114.048 χ^2/NDF: 100.4/10



Right In: 8470.166+/-1.709 χ^2/NDF: 1680804.1/23

Left Out: 8873.607+/-1.477 χ^2/NDF:2203251.2/24

Right Out: 7966.724+/-1.554 χ^2/NDF: 2707079.2/28

Left In: 9421.722+/-1.588 χ^2/NDF:1204851.9/22

Left: 9127.970+/-1.082 χ^2/NDF: 3471985.2/47

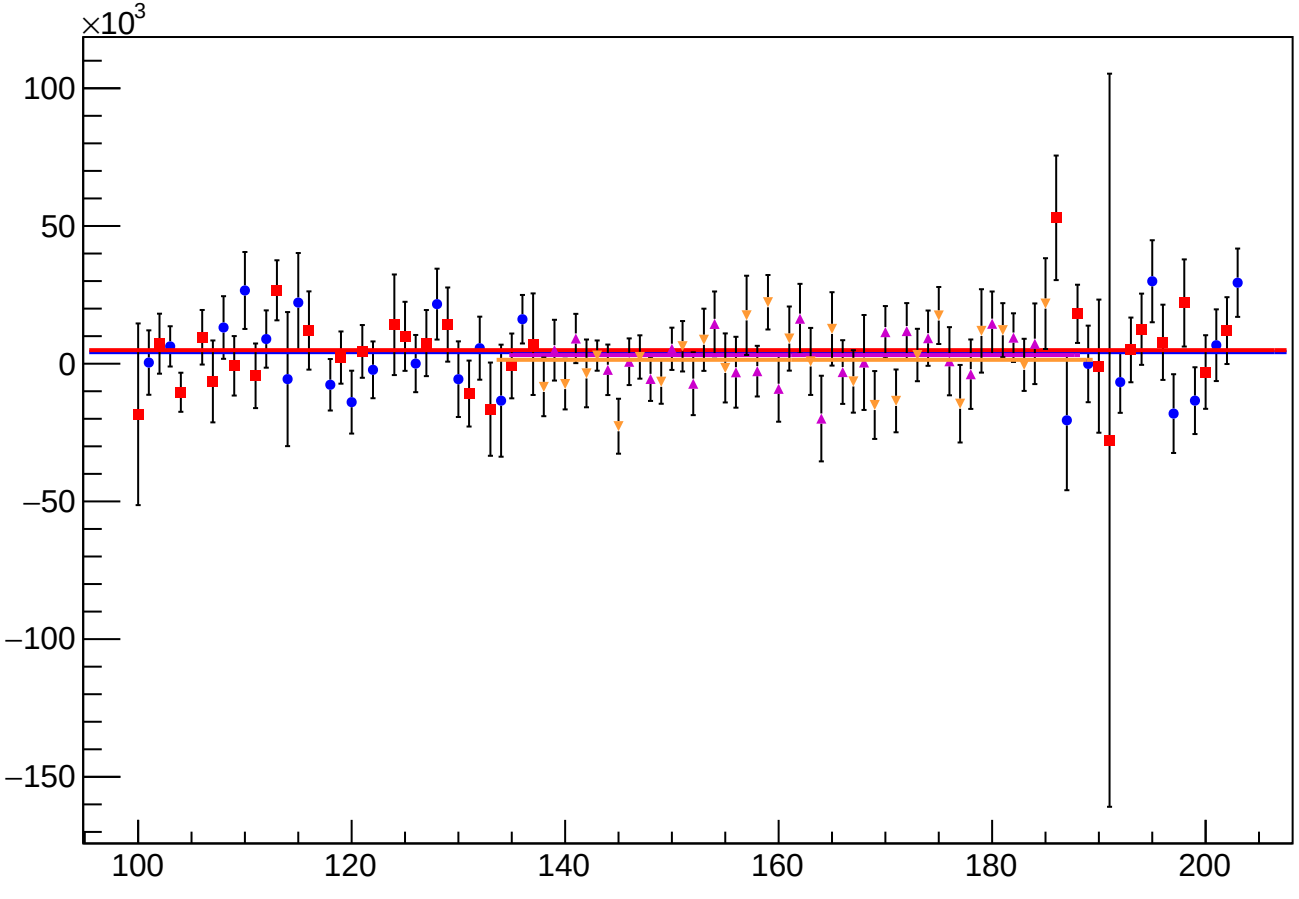
Right: 8194.667+/-1.150 χ^2/NDF: 4435391.0/52

In: 8980.846+/-1.163 χ^2/NDF:3052103.2/46

Out: 8443.151+/-1.071 χ^2/NDF:5089198.8/53

All: 8689.827+/-0.788 χ^2/NDF: 8256985.1/10

asym_at2_avg_mean vs Slug, Sign Corrected



Right In: 4185.156+/-2437.457 χ^2/NDF: 28.1/23

Left Out: 1408.316+/-2039.907 χ^2/NDF:27.4/24

Right Out: 4920.197+/-2323.160 χ^2/NDF: 24.2/28

Left In: 3139.264+/-2189.465 χ^2/NDF:13.0/22

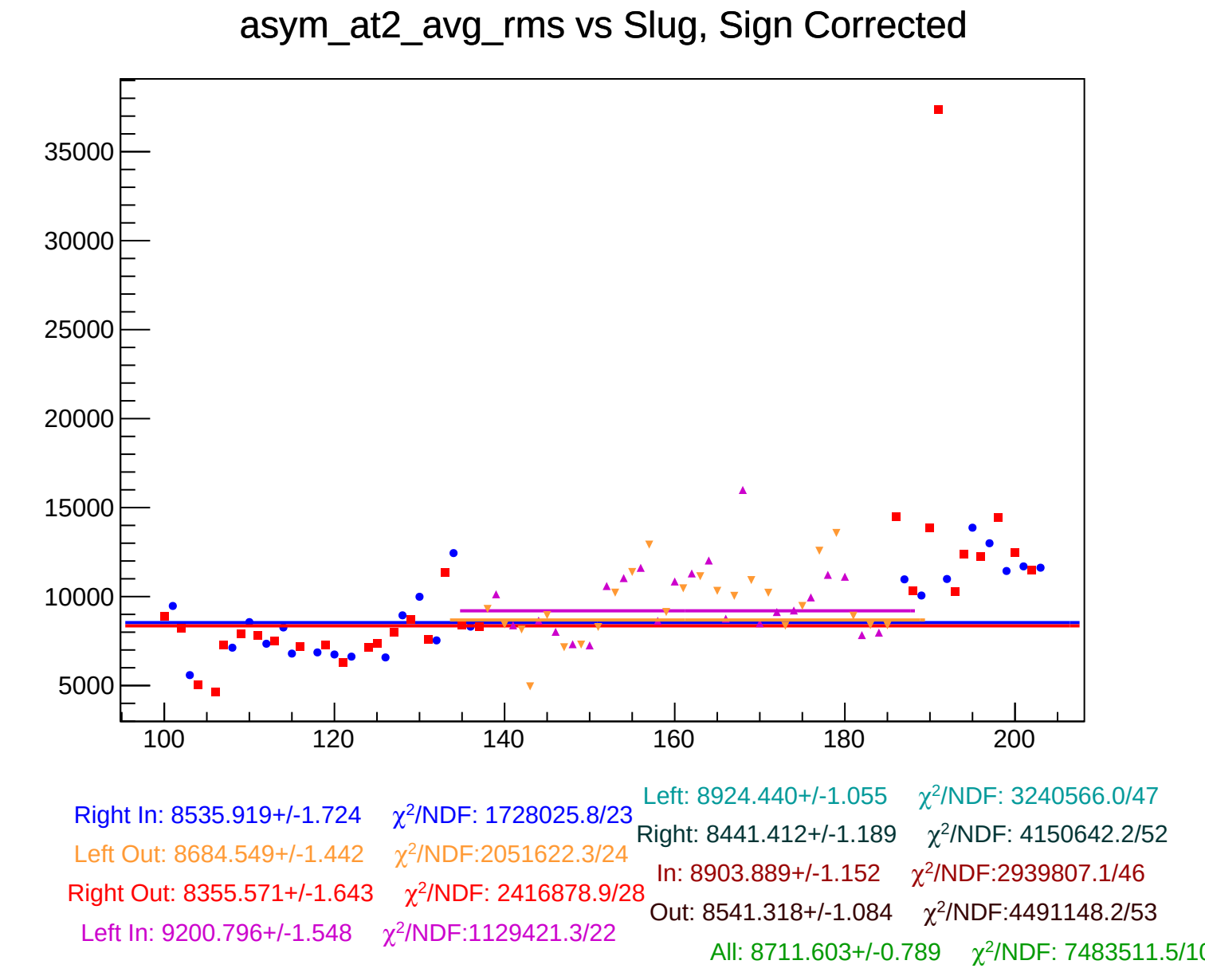
Left: 2212.657+/-1492.506 χ^2/NDF: 40.7/47

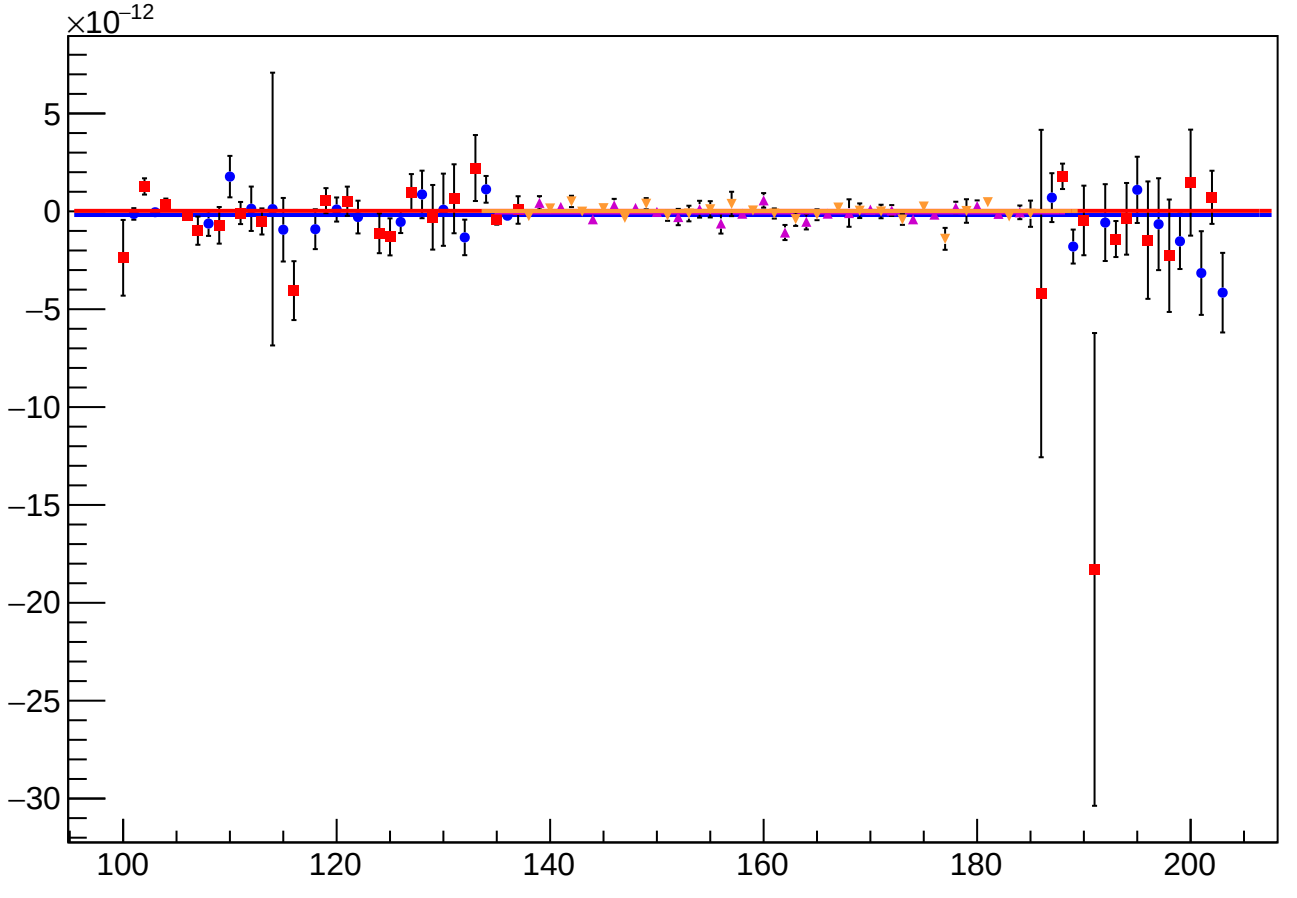
Right: 4570.313+/-1681.677 χ^2/NDF: 52.3/52

In: 3606.313+/-1628.827 χ^2/NDF:41.1/46

Out: 2937.220+/-1532.849 χ^2/NDF:52.9/53

All: 3251.474+/-1116.277 χ^2/NDF: 94.1/100


asym_at2_avg_rms vs Slug, Sign Corrected
35000
30000
25000
20000
15000
10000
5000
100
120
140
160
180
200
Right In: 8535.919+/-1.724 χ²/NDF: 1728025.8/23
Left Out: 8684.549+/-1.442 χ²/NDF:2051622.3/24
Right Out: 8355.571+/-1.643 χ²/NDF: 2416878.9/28
Left In: 9200.796+/-1.548 χ²/NDF:1129421.3/22
Left: 8924.440+/-1.055 χ²/NDF: 3240566.0/47
Right: 8441.412+/-1.189 χ²/NDF: 4150642.2/52
In: 8903.889+/-1.152 χ²/NDF:2939807.1/46
Out: 8541.318+/-1.084 χ²/NDF:4491148.2/53
All: 8711.603+/-0.789 χ²/NDF: 7483511.5/10



Right In: -0.000+/-0.000 χ^2/NDF: 23.0/23

Left Out: 0.000+/-0.000 χ^2/NDF:28.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 46.8/28

Left In: -0.000+/-0.000 χ^2/NDF:27.8/22

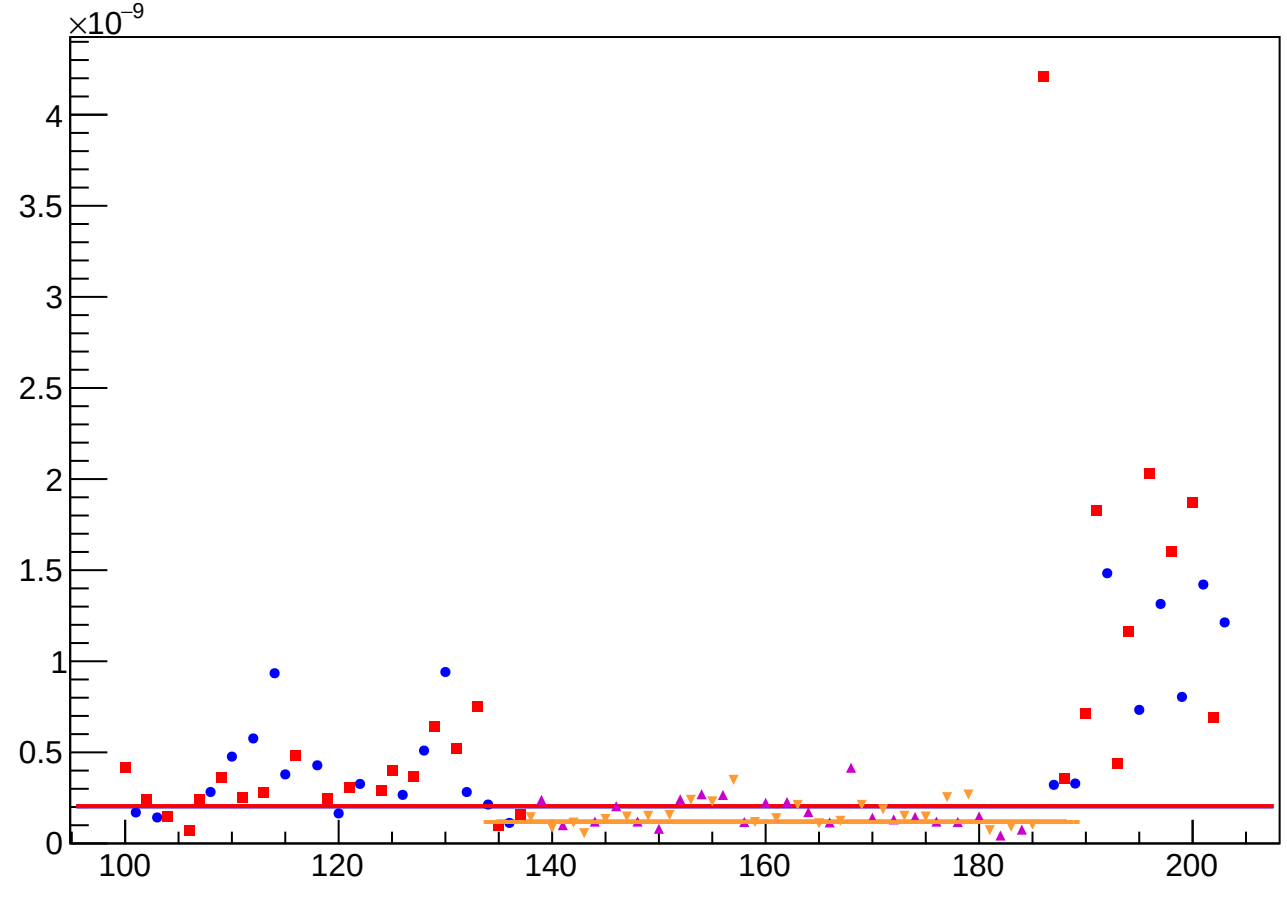
Left: -0.000+/-0.000 χ^2/NDF: 57.7/47

Right: -0.000+/-0.000 χ^2/NDF: 71.4/52

In: -0.000+/-0.000 χ^2/NDF:51.8/46

Out: 0.000+/-0.000 χ^2/NDF:75.6/53

All: -0.000+/-0.000 χ^2/NDF: 129.6/100



Right In: 0.000+/-0.000 χ^2/NDF: 4678647.3/23

Left Out: 0.000+/-0.000 χ^2/NDF:2335885.1/24

Right Out: 0.000+/-0.000 χ^2/NDF: 5441491.5/28

Left In: 0.000+/-0.000 χ^2/NDF:2660632.2/22

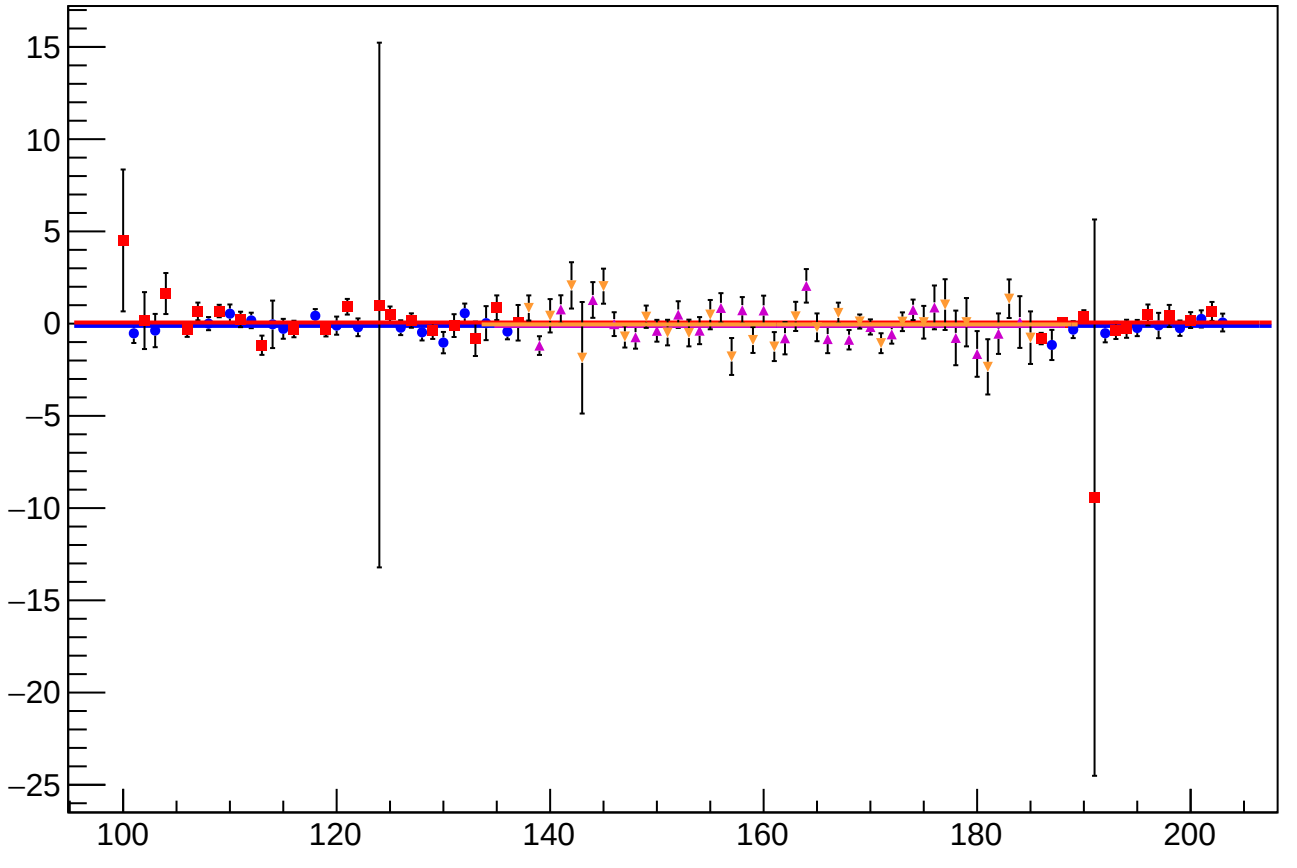
Left: 0.000+/-0.000 χ^2/NDF: 4998299.1/47

Right: 0.000+/-0.000 χ^2/NDF: 10120411.4/52

In: 0.000+/-0.000 χ^2/NDF:8187205.6/46

Out: 0.000+/-0.000 χ^2/NDF:8704548.2/53

All: 0.000+/-0.000 χ^2/NDF: 16896557.0/100



Right In: -0.123+/-0.100 χ^2/NDF: 14.3/23

Left Out: -0.041+/-0.148 χ^2/NDF:30.1/24

Right Out: 0.061+/-0.083 χ^2/NDF: 38.5/28

Left In: -0.128+/-0.145 χ^2/NDF:29.0/22

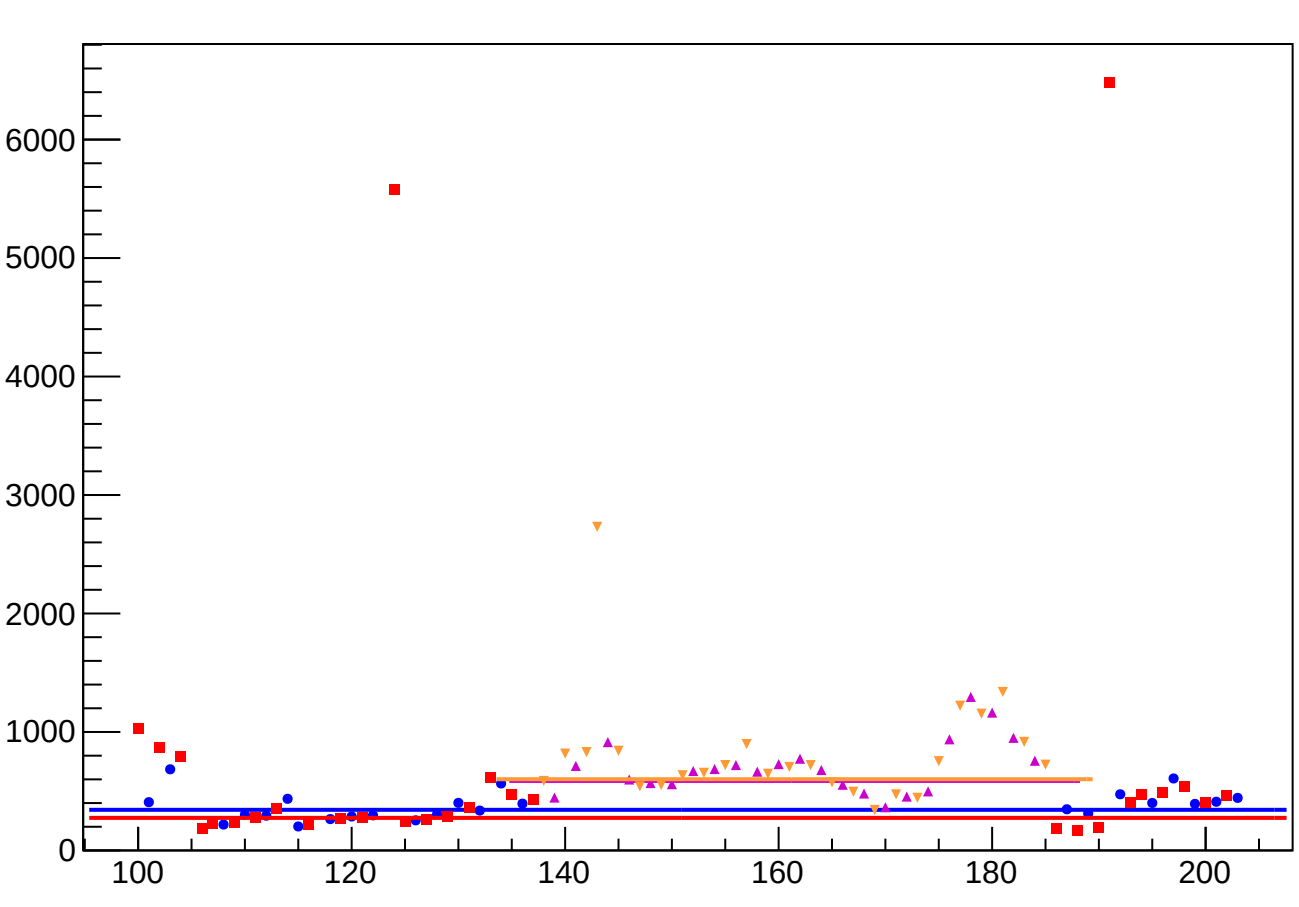
Left: -0.085+/-0.103 χ^2/NDF: 59.3/47

Right: -0.013+/-0.064 χ^2/NDF: 54.8/52

In: -0.125+/-0.082 χ^2/NDF:43.3/46

Out: 0.037+/-0.072 χ^2/NDF:69.0/53

All: -0.033+/-0.054 χ^2/NDF: 114.4/100



Right In: 343.044+/-0.071 χ^2/NDF: 1810973.5/23

Left Out: 601.214+/-0.104 χ^2/NDF:4460456.7/24

Right Out: 274.908+/-0.059 χ^2/NDF: 4787233.7/28

Left In: 586.817+/-0.103 χ^2/NDF:2934488.2/22

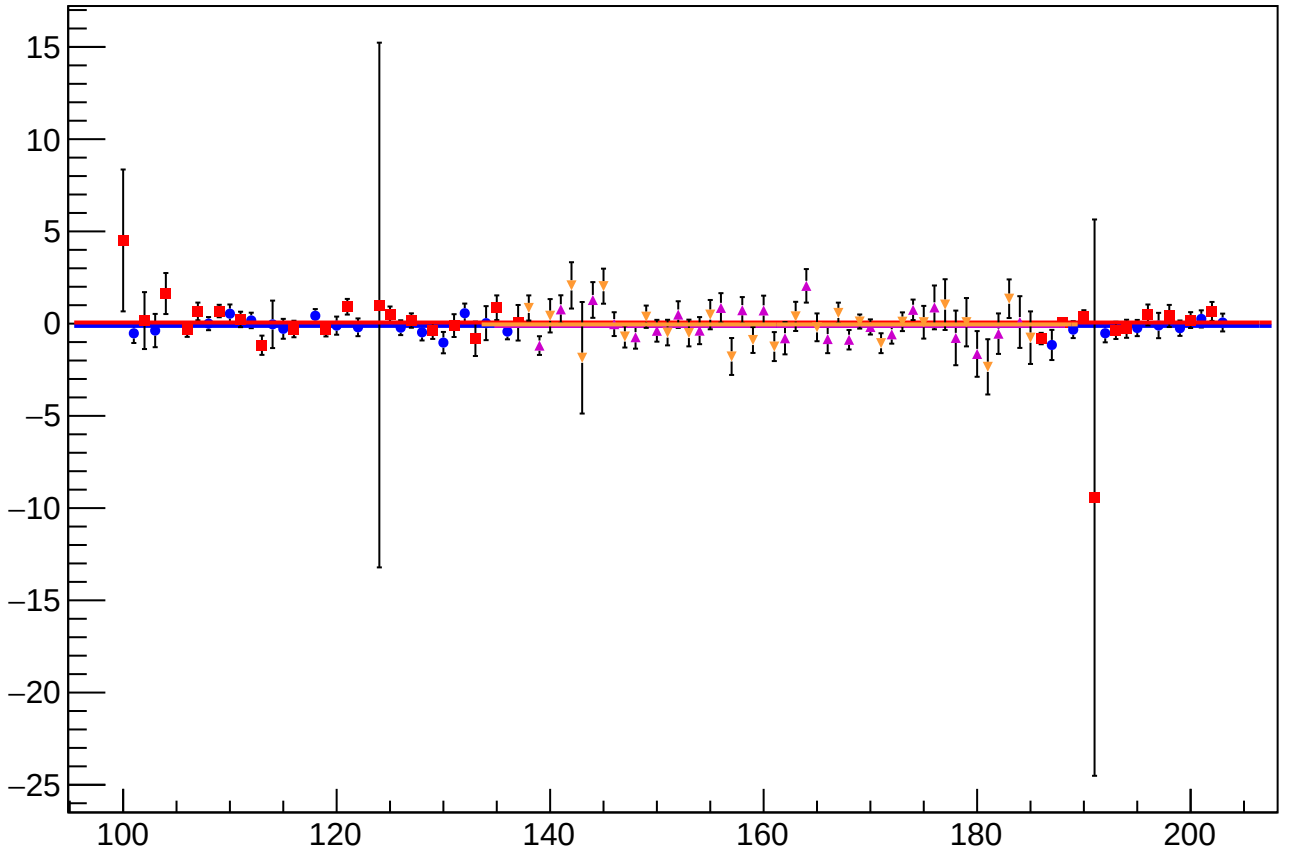
Left: 593.901+/-0.073 χ^2/NDF: 7404620.8/47

Right: 302.538+/-0.045 χ^2/NDF: 7148265.0/52

In: 421.658+/-0.058 χ^2/NDF:8564846.4/46

Out: 352.989+/-0.051 χ^2/NDF:16691917.4/53

All: 382.771+/-0.038 χ^2/NDF: 26042273.2/10



Right In: -0.123+/-0.100 χ^2/NDF: 14.3/23

Left Out: -0.041+/-0.148 χ^2/NDF:30.1/24

Right Out: 0.061+/-0.083 χ^2/NDF: 38.5/28

Left In: -0.128+/-0.145 χ^2/NDF:29.0/22

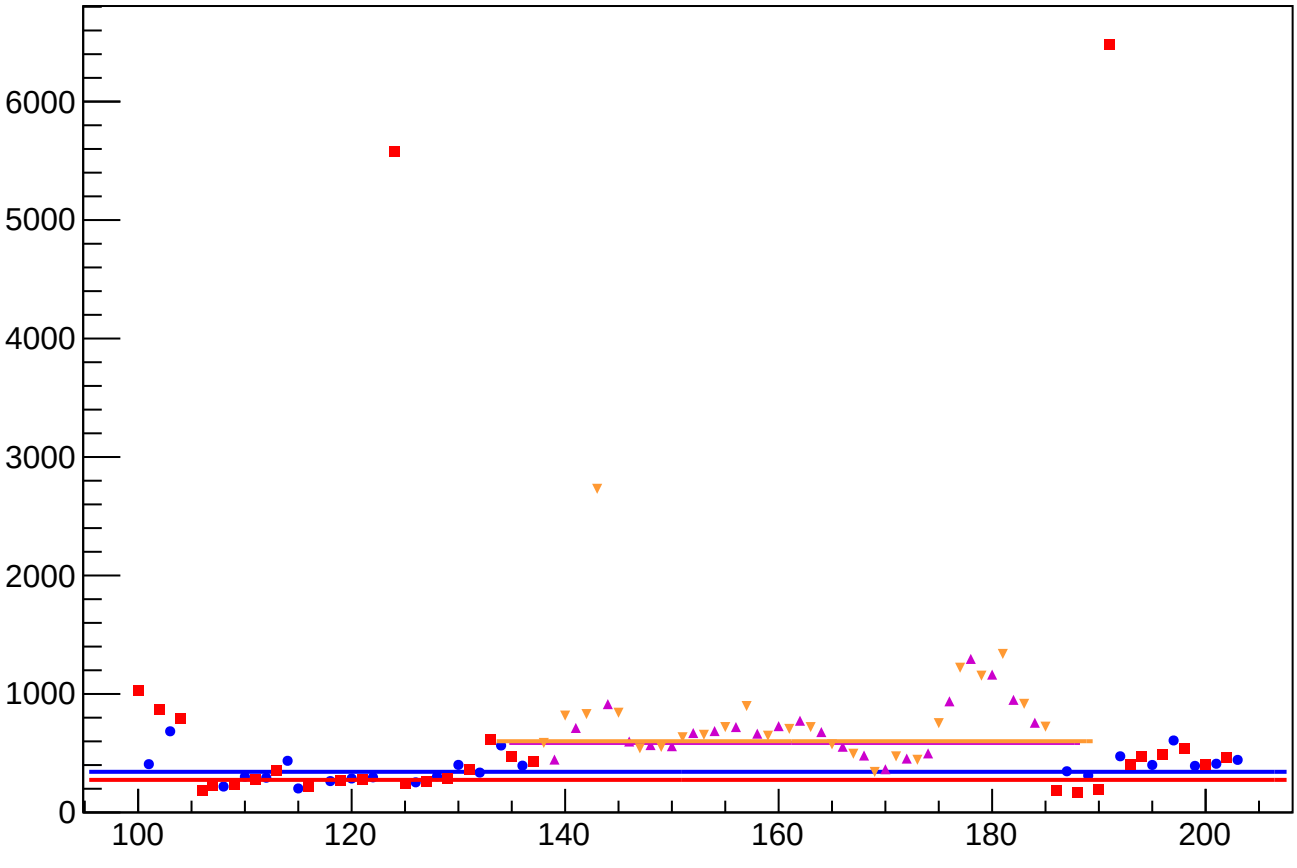
Left: -0.085+/-0.103 χ^2/NDF: 59.3/47

Right: -0.013+/-0.064 χ^2/NDF: 54.8/52

In: -0.125+/-0.082 χ^2/NDF:43.3/46

Out: 0.037+/-0.072 χ^2/NDF:69.0/53

All: -0.033+/-0.054 χ^2/NDF: 114.4/100



Right In: 343.044+/-0.071 χ^2/NDF: 1810973.5/23

Left Out: 601.214+/-0.104 χ^2/NDF:4460456.7/24

Right Out: 274.908+/-0.059 χ^2/NDF: 4787233.7/28

Left In: 586.817+/-0.103 χ^2/NDF:2934488.2/22

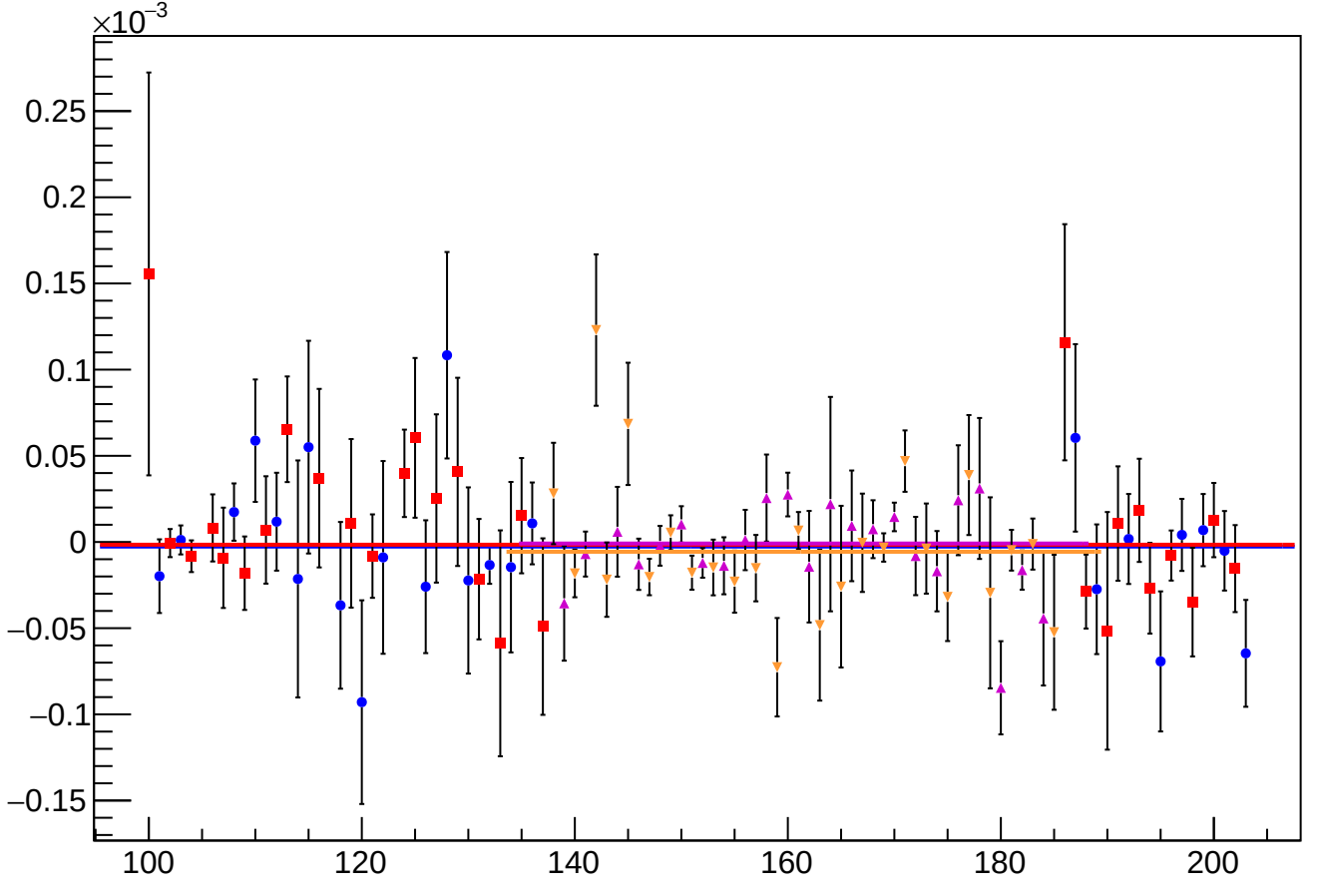
Left: 593.901+/-0.073 χ^2/NDF: 7404620.8/47

Right: 302.538+/-0.045 χ^2/NDF: 7148265.0/52

In: 421.658+/-0.058 χ^2/NDF:8564846.4/46

Out: 352.989+/-0.051 χ^2/NDF:16691917.4/53

All: 382.771+/-0.038 χ^2/NDF: 26042273.2/10



Right In: -0.000+/-0.000 χ^2/NDF: 23.4/23

Left Out: -0.000+/-0.000 χ^2/NDF:42.6/24

Right Out: -0.000+/-0.000 χ^2/NDF: 25.0/28

Left In: -0.000+/-0.000 χ^2/NDF:30.2/22

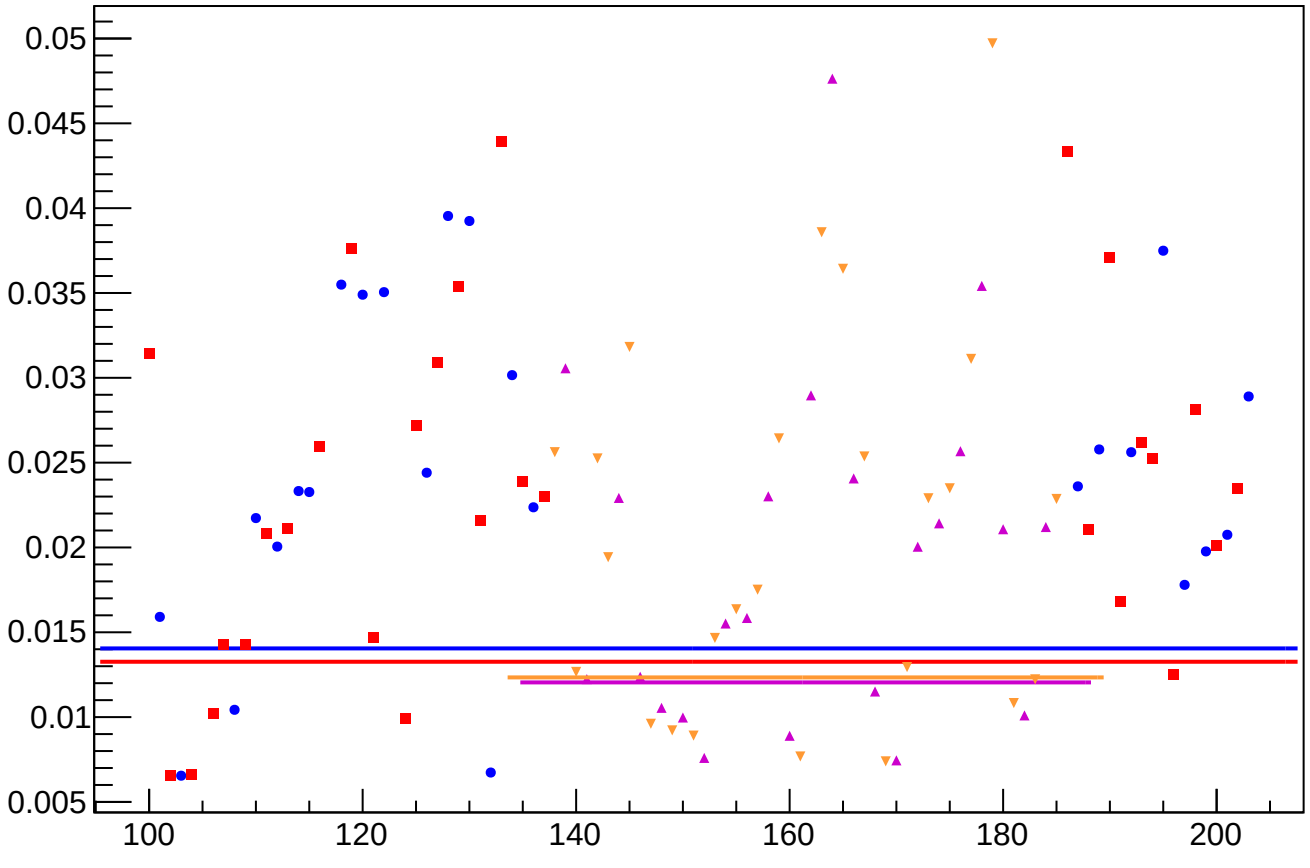
Left: -0.000+/-0.000 χ^2/NDF: 73.9/47

Right: -0.000+/-0.000 χ^2/NDF: 48.5/52

In: -0.000+/-0.000 χ^2/NDF:53.7/46

Out: -0.000+/-0.000 χ^2/NDF:68.2/53

All: -0.000+/-0.000 χ^2/NDF: 122.4/100



Right In: 0.014+/-0.000 χ^2/NDF: 7338037.9/23

Left Out: 0.012+/-0.000 χ^2/NDF:7839123.8/24

Right Out: 0.013+/-0.000 χ^2/NDF: 7676600.6/28

Left In: 0.012+/-0.000 χ^2/NDF:6379401.9/22

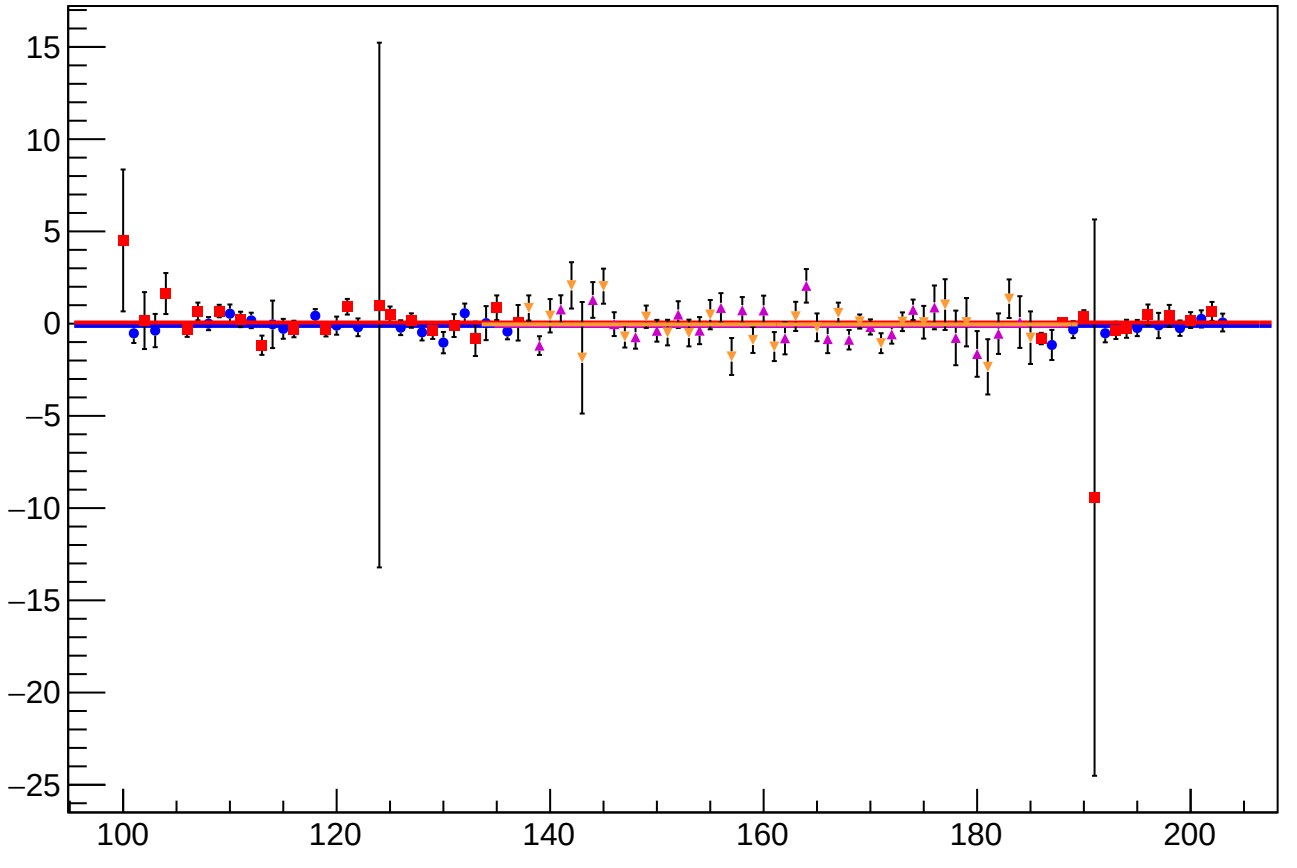
Left: 0.012+/-0.000 χ^2/NDF: 14226676.0/47

Right: 0.014+/-0.000 χ^2/NDF: 15046343.0/52

In: 0.013+/-0.000 χ^2/NDF:13964232.3/46

Out: 0.013+/-0.000 χ^2/NDF:15577162.0/53

All: 0.013+/-0.000 χ^2/NDF: 29541436.3/100



Right In: -0.123+/-0.100 χ^2/NDF: 14.3/23

Left Out: -0.041+/-0.148 χ^2/NDF:30.1/24

Right Out: 0.061+/-0.083 χ^2/NDF: 38.5/28

Left In: -0.128+/-0.145 χ^2/NDF:29.0/22

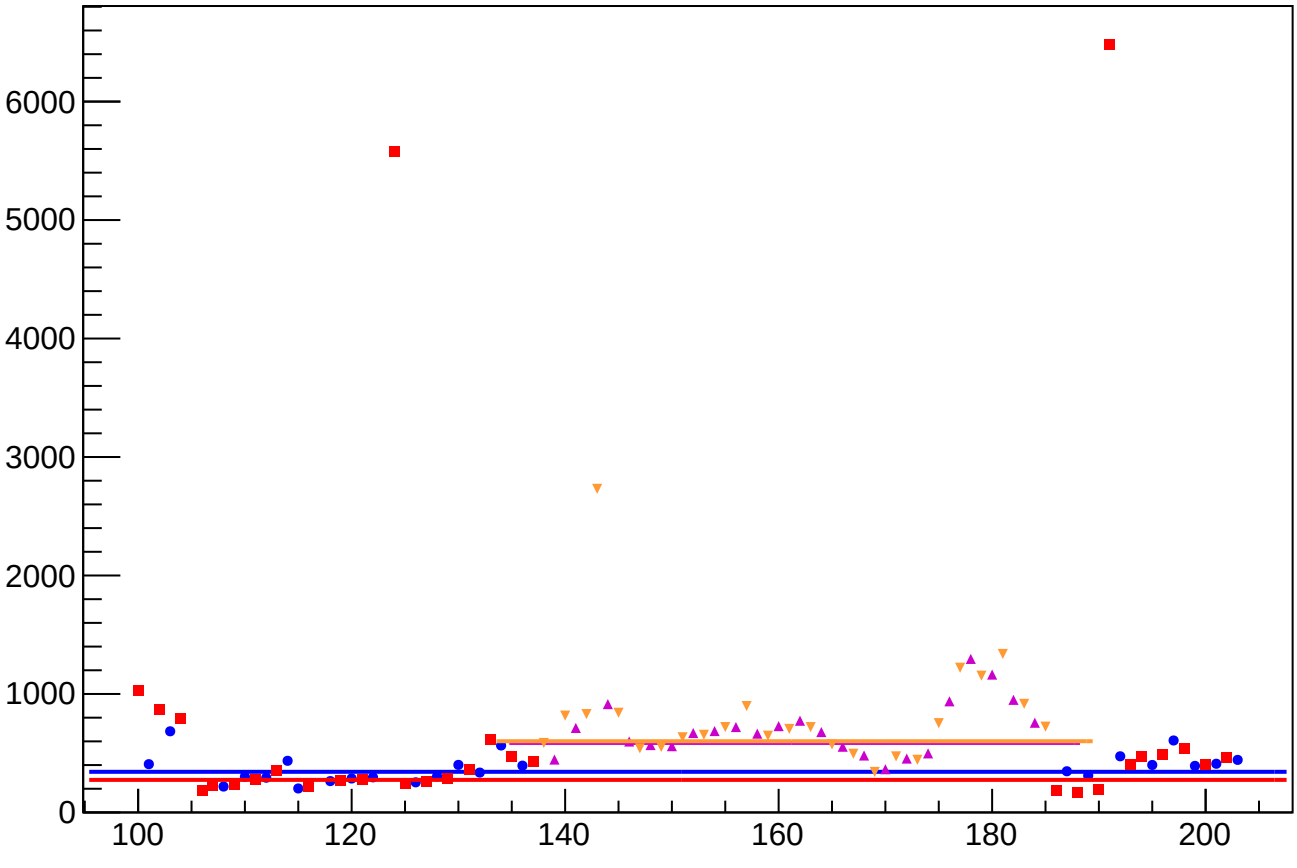
Left: -0.085+/-0.103 χ^2/NDF: 59.3/47

Right: -0.013+/-0.064 χ^2/NDF: 54.8/52

In: -0.125+/-0.082 χ^2/NDF:43.3/46

Out: 0.037+/-0.072 χ^2/NDF:69.0/53

All: -0.033+/-0.054 χ^2/NDF: 114.4/100



Right In: 343.043+/-0.071 χ^2/NDF: 1810969.5/23

Left Out: 601.214+/-0.104 χ^2/NDF:4460662.1/24

Right Out: 274.901+/-0.059 χ^2/NDF: 4787522.0/28

Left In: 586.820+/-0.103 χ^2/NDF:2934613.3/22

Left: 593.903+/-0.073 χ^2/NDF: 7404947.7/47

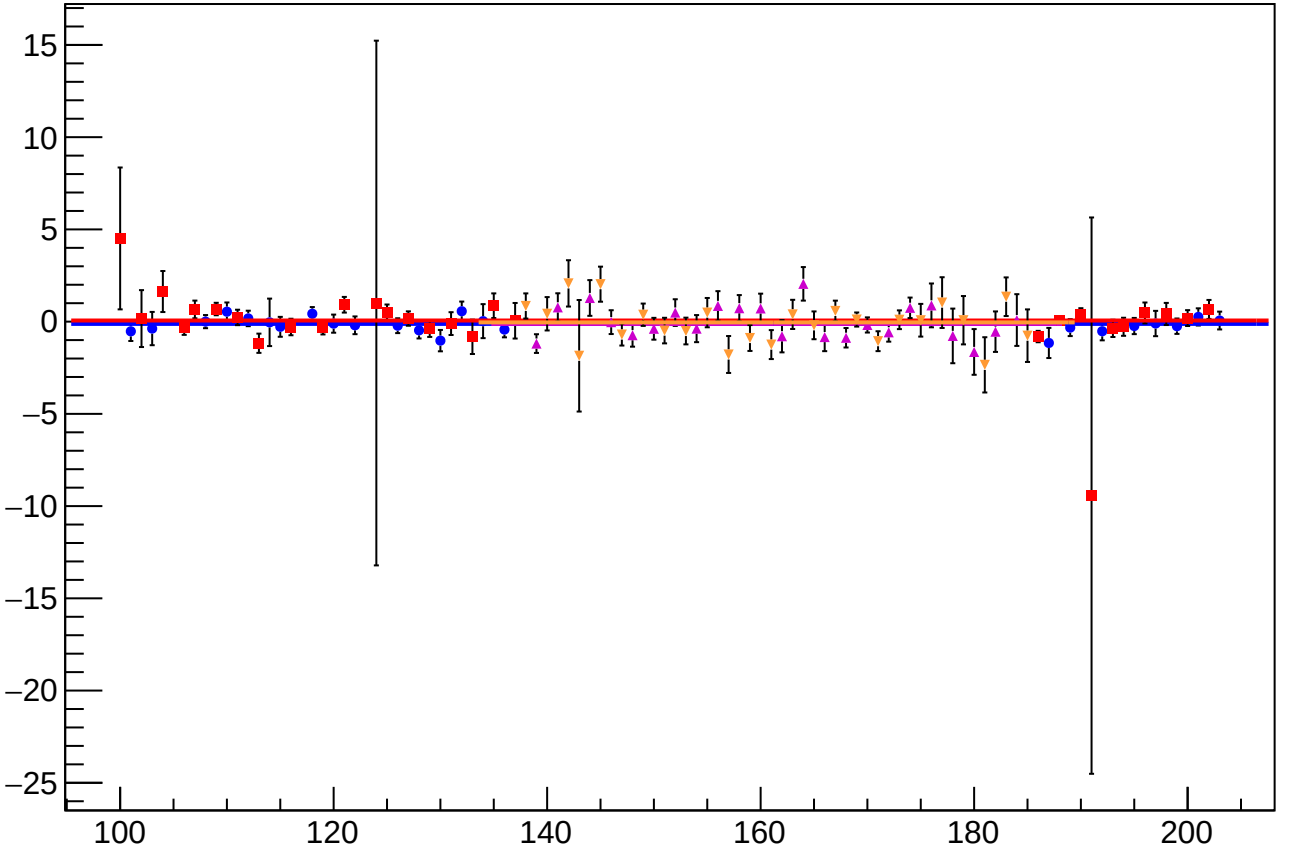
Right: 302.533+/-0.045 χ^2/NDF: 7148653.7/52

In: 421.657+/-0.058 χ^2/NDF:8565062.2/46

Out: 352.981+/-0.051 χ^2/NDF:16692765.9/53

All: 382.766+/-0.038 χ^2/NDF: 26043504.0/10

asym_at2_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.123+/-0.100 χ^2/NDF: 14.3/23

Left Out: -0.041+/-0.148 χ^2/NDF:30.1/24

Right Out: 0.061+/-0.083 χ^2/NDF: 38.5/28

Left In: -0.128+/-0.145 χ^2/NDF:29.0/22

Left: -0.085+/-0.103 χ^2/NDF: 59.3/47

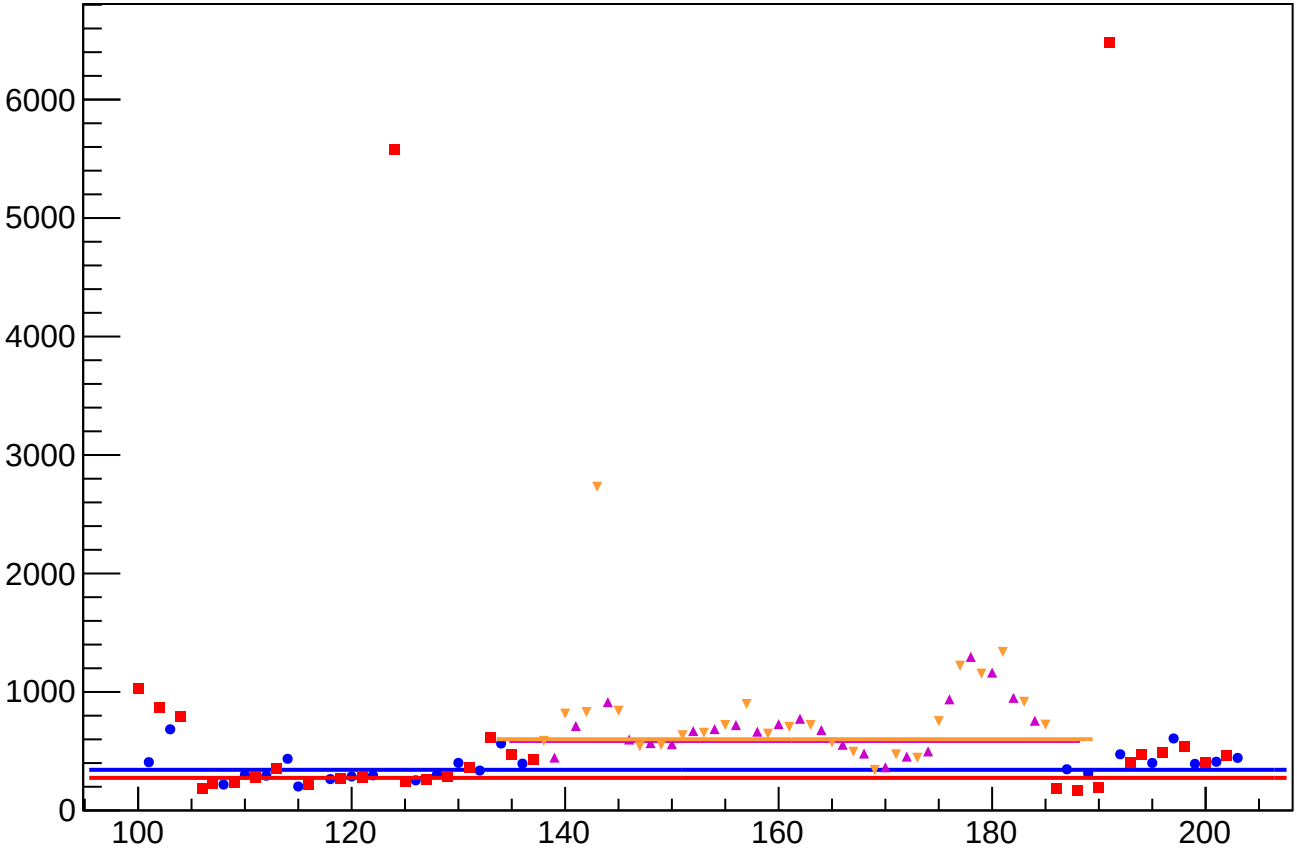
Right: -0.013+/-0.064 χ^2/NDF: 54.8/52

In: -0.125+/-0.082 χ^2/NDF:43.3/46

Out: 0.037+/-0.072 χ^2/NDF:69.0/53

All: -0.033+/-0.054 χ^2/NDF: 114.4/100

asym_at2_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 343.043+/-0.071 χ^2/NDF: 1810969.5/23

Left Out: 601.214+/-0.104 χ^2/NDF:4460662.1/24

Right Out: 274.901+/-0.059 χ^2/NDF: 4787522.0/28

Left In: 586.820+/-0.103 χ^2/NDF:2934613.3/22

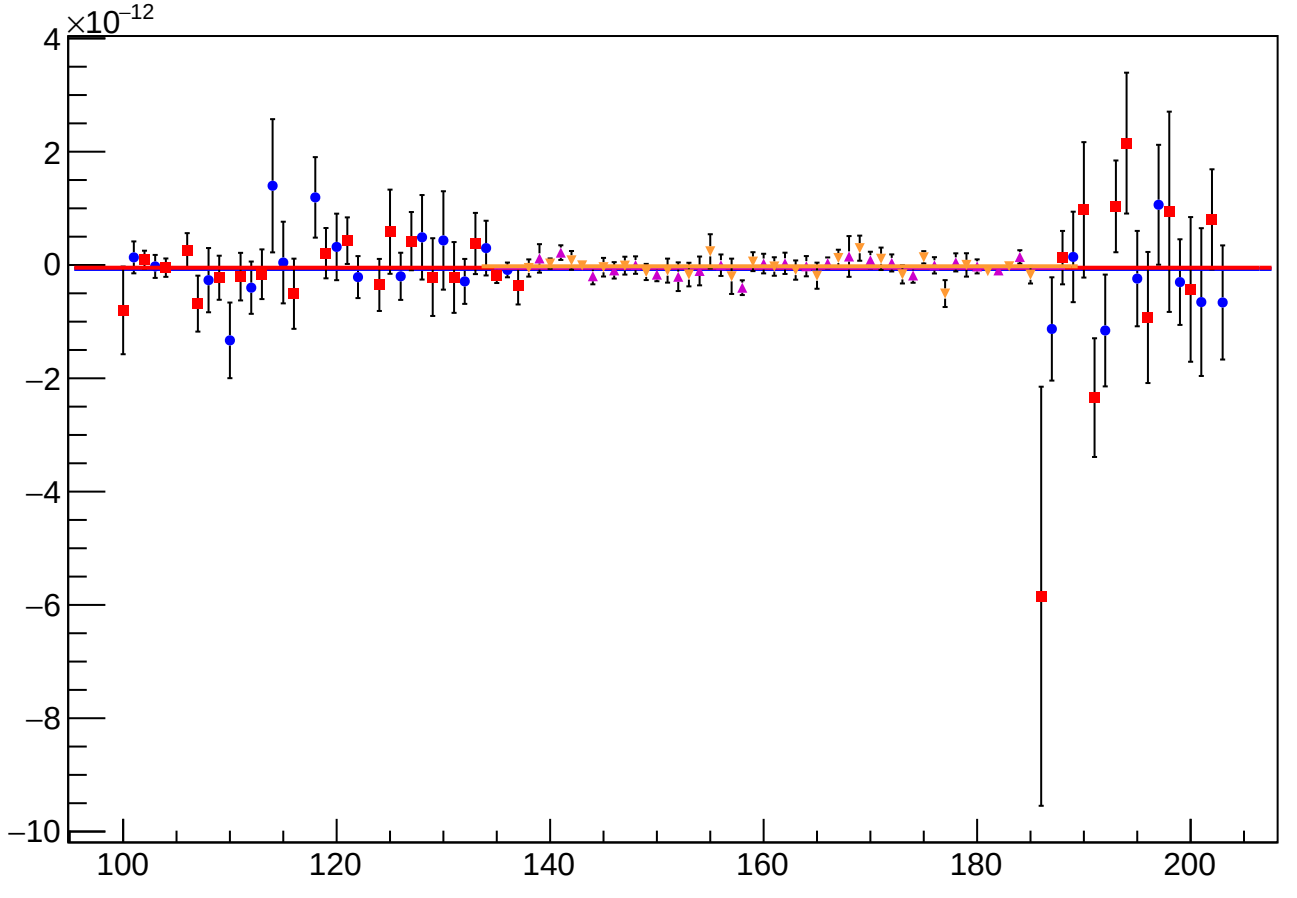
Left: 593.903+/-0.073 χ^2/NDF: 7404947.7/47

Right: 302.533+/-0.045 χ^2/NDF: 7148653.7/52

In: 421.657+/-0.058 χ^2/NDF:8565062.2/46

Out: 352.981+/-0.051 χ^2/NDF:16692765.9/53

All: 382.766+/-0.038 χ^2/NDF: 26043504.0/10



Right In: -0.000+/-0.000 χ^2/NDF: 16.5/23

Left Out: -0.000+/-0.000 χ^2/NDF:16.4/24

Right Out: -0.000+/-0.000 χ^2/NDF: 26.4/28

Left In: -0.000+/-0.000 χ^2/NDF:22.0/22

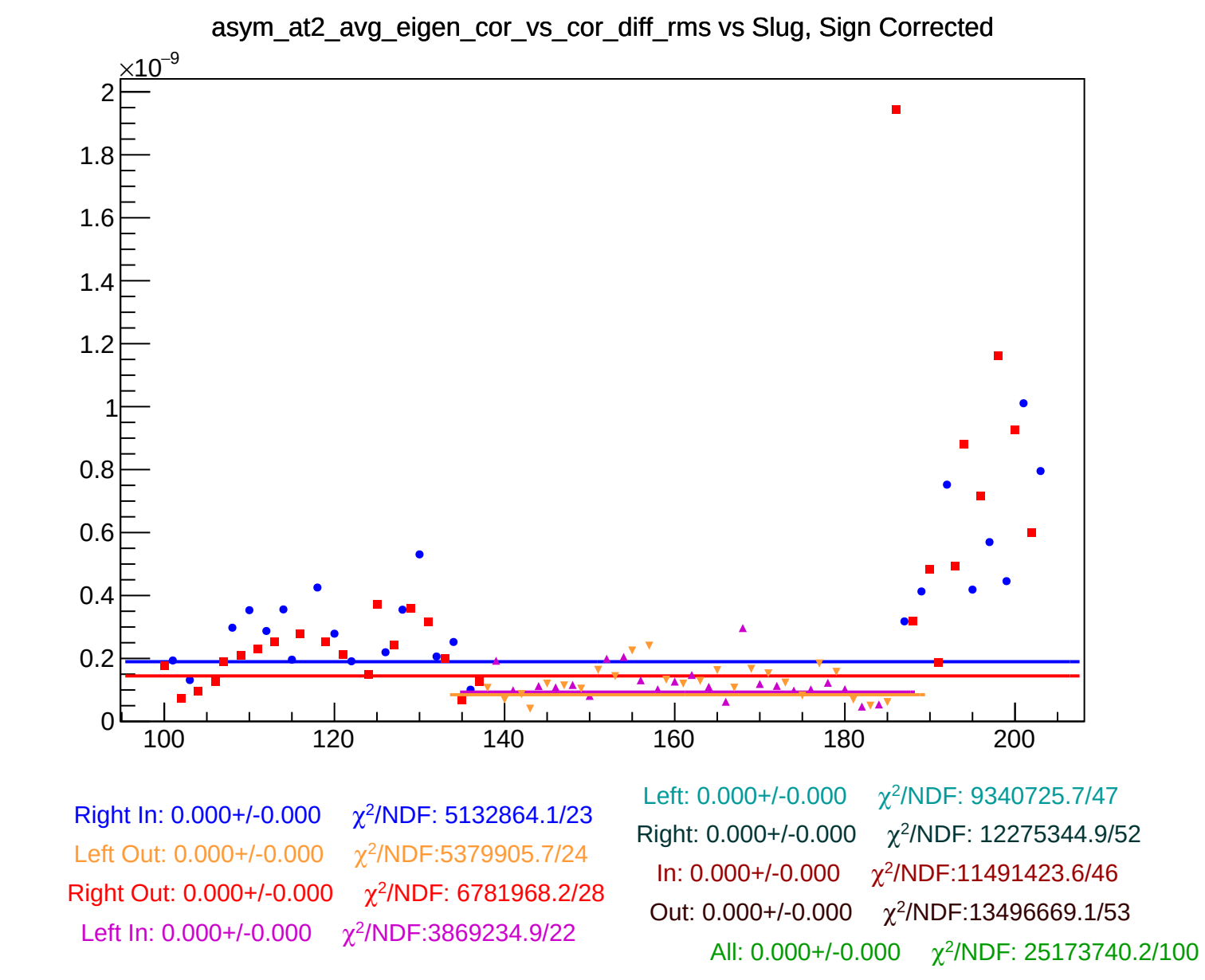
Left: -0.000+/-0.000 χ^2/NDF: 38.7/47

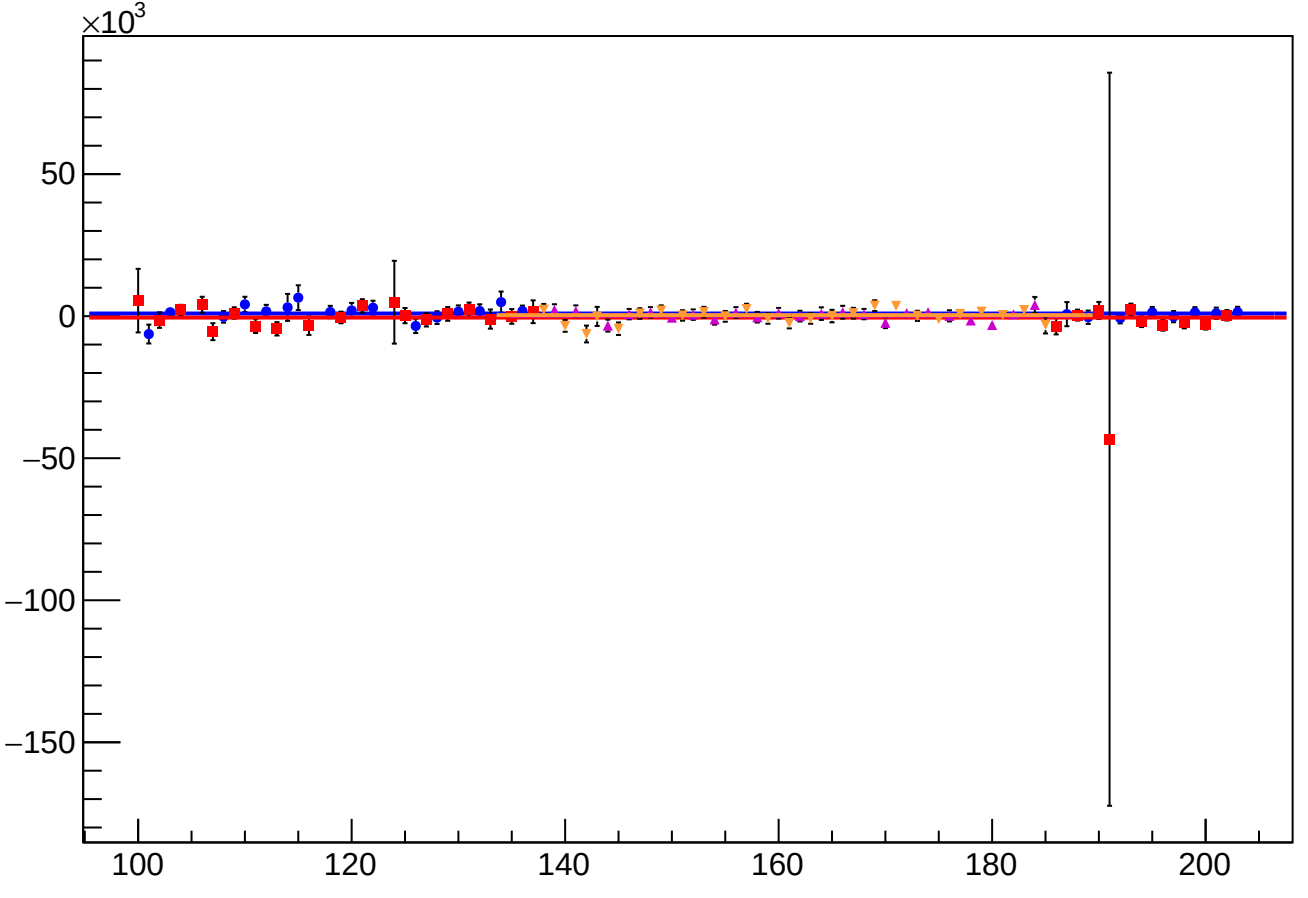
Right: -0.000+/-0.000 χ^2/NDF: 42.9/52

In: -0.000+/-0.000 χ^2/NDF:38.5/46

Out: -0.000+/-0.000 χ^2/NDF:42.9/53

All: -0.000+/-0.000 χ^2/NDF: 81.8/100


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: 5132864.1/23
Left Out: 0.000+/-0.000 χ²/NDF:5379905.7/24
Right Out: 0.000+/-0.000 χ²/NDF: 6781968.2/28
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: 12275344.9/52
In: 0.000+/-0.000 χ²/NDF:11491423.6/46
Out: 0.000+/-0.000 χ²/NDF:13496669.1/53
All: 0.000+/-0.000 χ²/NDF: 25173740.2/100



Right In: 931.456+/-466.992 χ^2/NDF: 16.2/23

Left Out: 361.645+/-388.131 χ^2/NDF:29.6/24

Right Out: -498.046+/-453.165 χ^2/NDF: 27.9/28

Left In: 157.028+/-394.257 χ^2/NDF:16.0/22

Left: 260.939+/-276.591 χ^2/NDF: 45.7/47

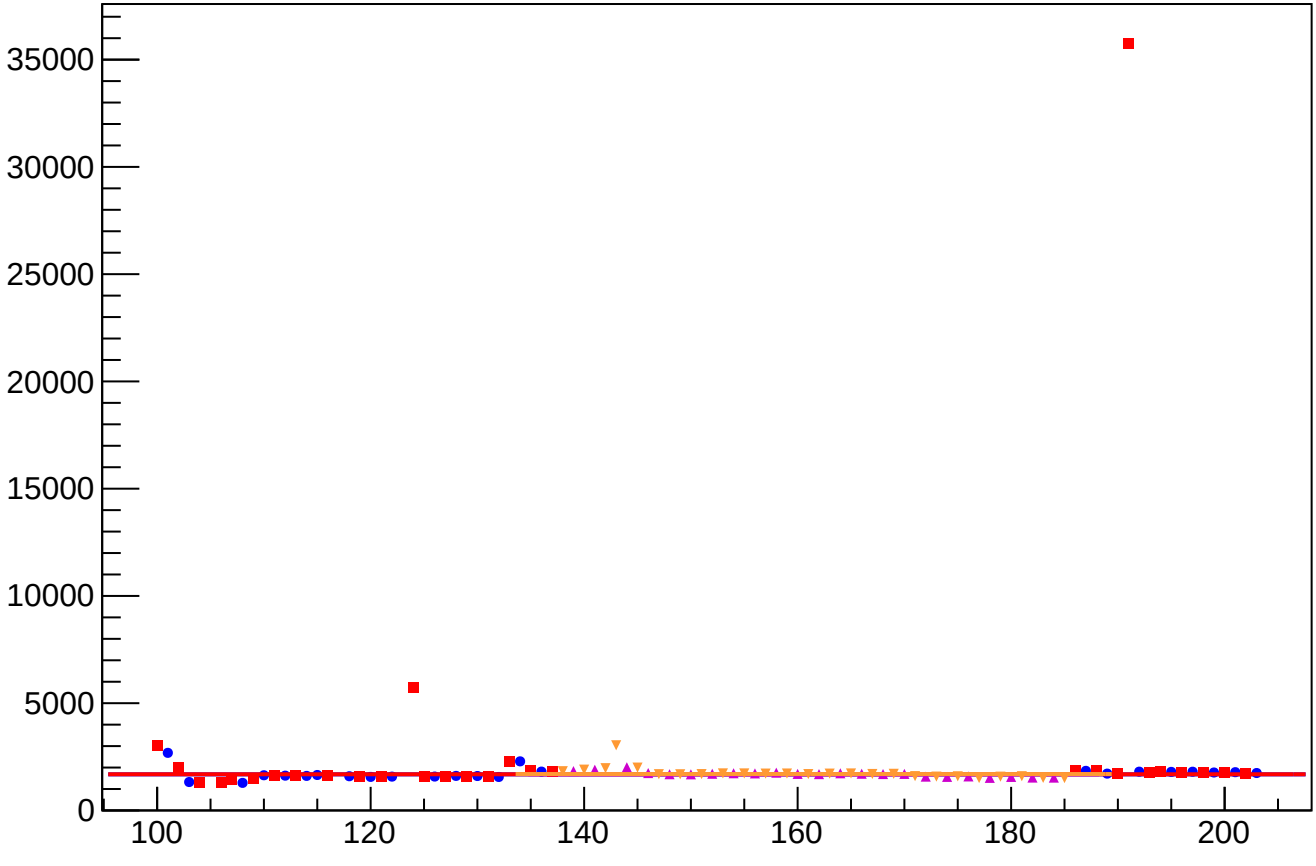
Right: 195.228+/-325.214 χ^2/NDF: 48.9/52

In: 479.303+/-301.254 χ^2/NDF:33.8/46

Out: -2.140+/-294.786 χ^2/NDF:59.5/53

All: 233.358+/-210.695 χ^2/NDF: 94.6/100

reg_asym_at2_dd_rms vs Slug, Sign Corrected



Right In: 1682.184+/-0.330 χ^2/NDF: 469683.4/23

Left Out: 1697.496+/-0.274 χ^2/NDF:495397.9/24

Right Out: 1686.894+/-0.320 χ^2/NDF: 667640.7/28

Left In: 1684.577+/-0.279 χ^2/NDF:165355.7/22

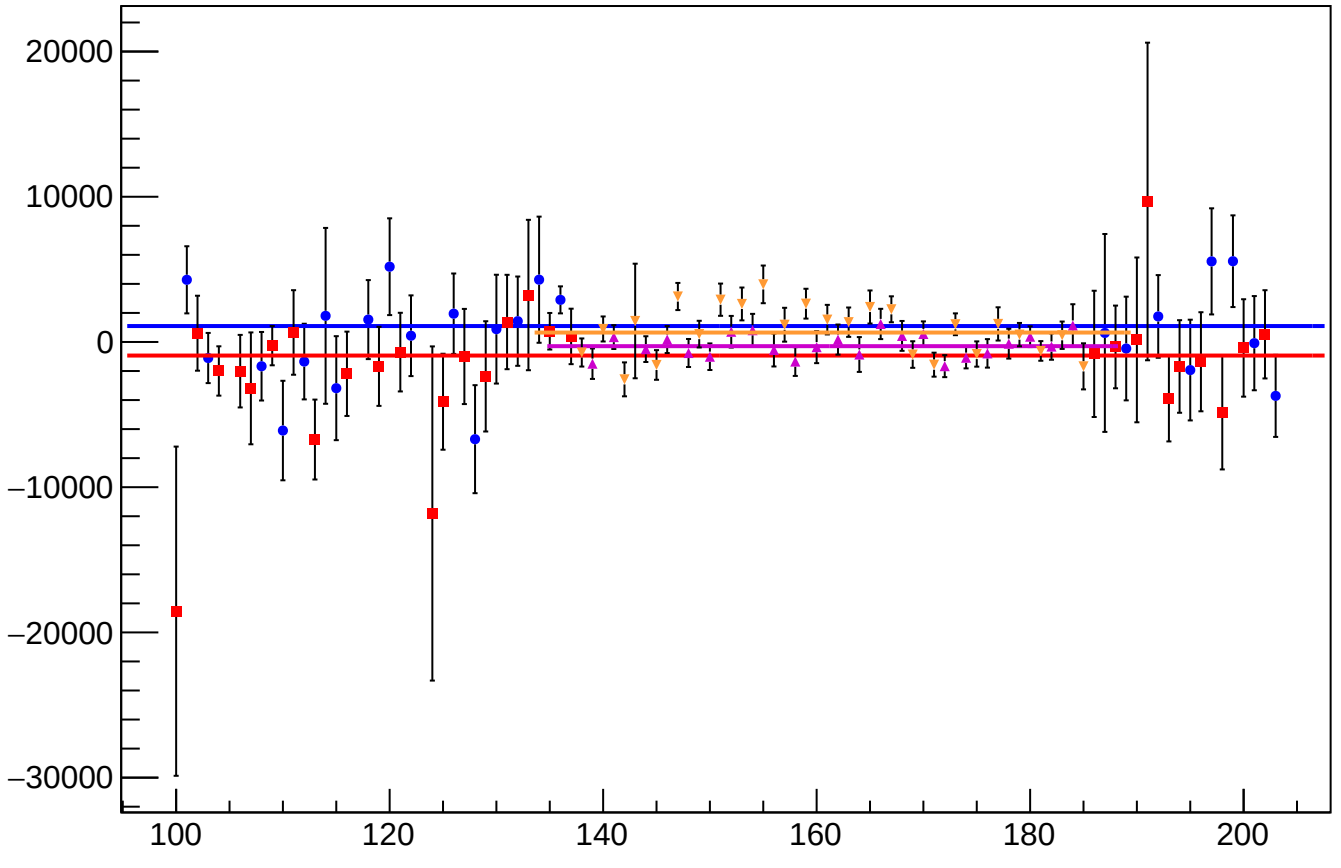
Left: 1691.137+/-0.196 χ^2/NDF: 661844.1/47

Right: 1684.610+/-0.230 χ^2/NDF: 1137428.9/52

In: 1683.581+/-0.213 χ^2/NDF:635069.7/46

Out: 1693.010+/-0.208 χ^2/NDF:1163670.0/53

All: 1688.398+/-0.149 χ^2/NDF: 1799740.5/10



Right In: 1096.625+/-520.975 χ^2/NDF: 29.5/23

Left Out: 649.165+/-195.671 χ^2/NDF:65.5/24

Right Out: -934.936+/-500.394 χ^2/NDF: 17.6/28

Left In: -288.616+/-198.494 χ^2/NDF:16.6/22

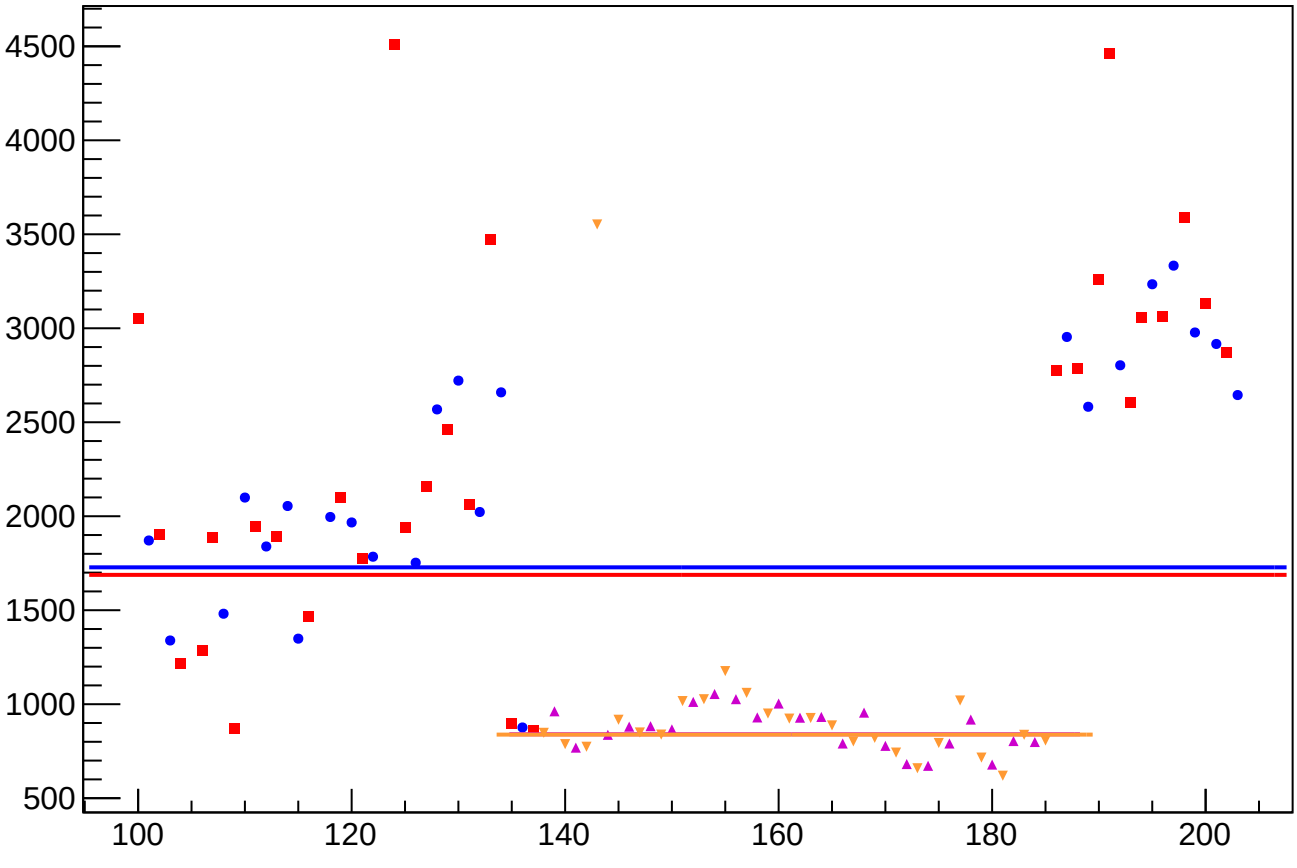
Left: 186.992+/-139.348 χ^2/NDF: 93.4/47

Right: 39.922+/-360.889 χ^2/NDF: 55.1/52

In: -113.018+/-185.487 χ^2/NDF:52.3/46

Out: 439.070+/-182.234 χ^2/NDF:91.8/53

All: 167.910+/-129.994 χ^2/NDF: 148.6/100



Right In: 1728.146+/-0.368 χ^2/NDF: 4266564.4/23

Left Out: 838.243+/-0.138 χ^2/NDF:1800245.5/24

Right Out: 1688.037+/-0.354 χ^2/NDF: 5494569.2/28

Left In: 839.976+/-0.140 χ^2/NDF:669341.7/22

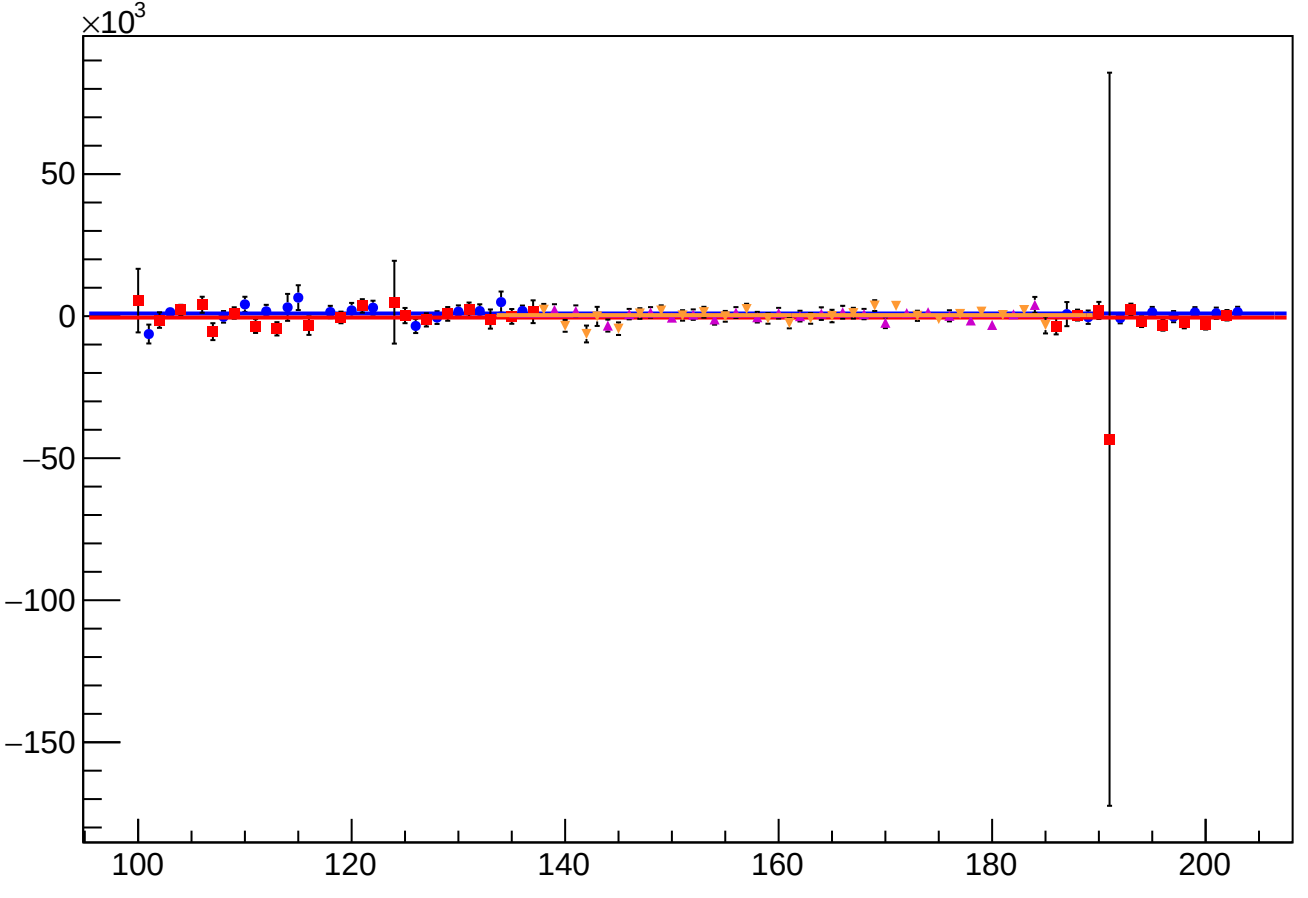
Left: 839.097+/-0.099 χ^2/NDF: 2469664.6/47

Right: 1707.283+/-0.255 χ^2/NDF: 9767299.6/52

In: 952.563+/-0.131 χ^2/NDF:10011881.5/46

Out: 950.949+/-0.129 χ^2/NDF:12297920.0/53

All: 951.742+/-0.092 χ^2/NDF: 22309878.7/10



Right In: 931.483+/-466.992 χ^2/NDF: 16.2/23

Left Out: 361.560+/-388.131 χ^2/NDF:29.6/24

Right Out: -498.224+/-453.165 χ^2/NDF: 27.9/28

Left In: 156.934+/-394.258 χ^2/NDF:16.0/22

Left: 260.849+/-276.591 χ^2/NDF: 45.7/47

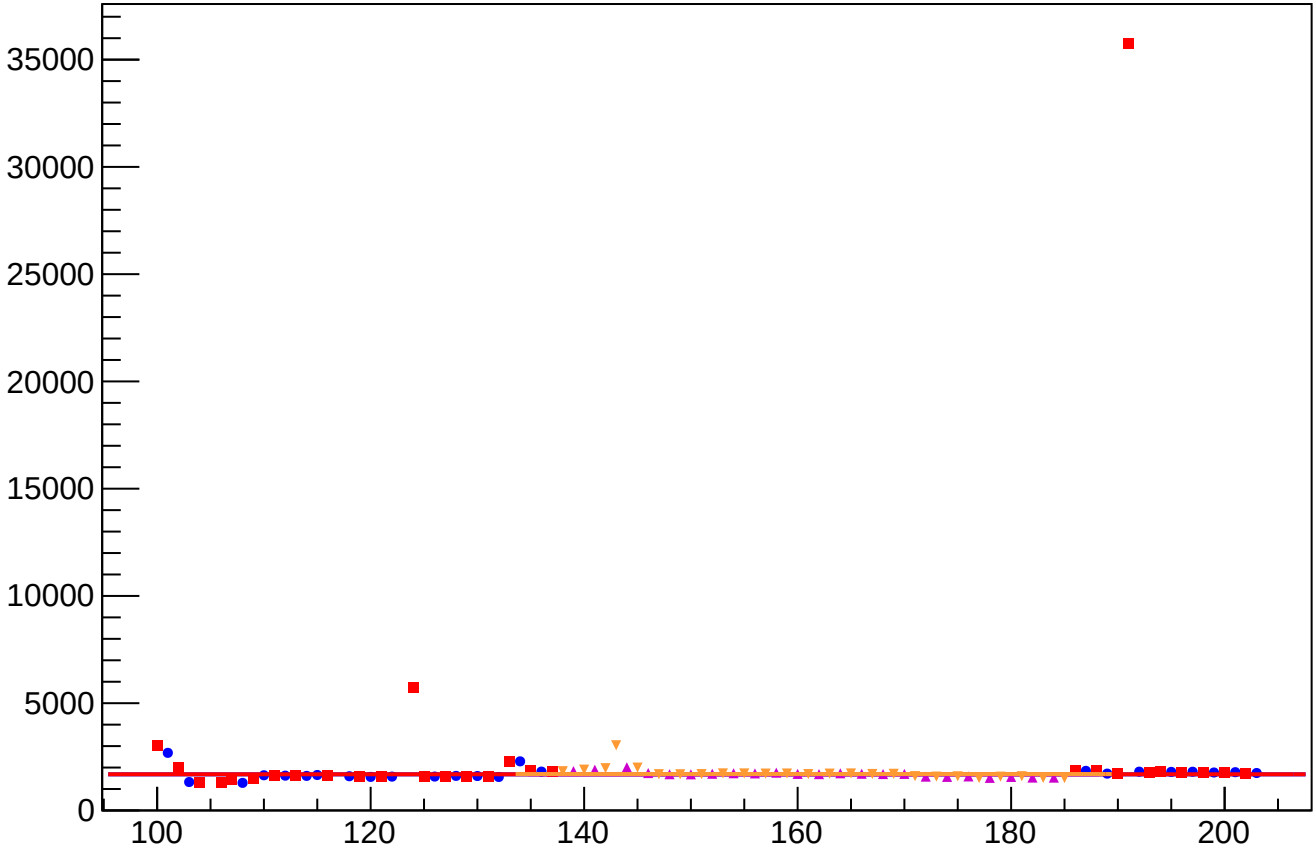
Right: 195.149+/-325.215 χ^2/NDF: 48.9/52

In: 479.259+/-301.254 χ^2/NDF:33.8/46

Out: -2.264+/-294.786 χ^2/NDF:59.5/53

All: 233.273+/-210.695 χ^2/NDF: 94.6/100

cor_asym_at2_dd_rms vs Slug, Sign Corrected



Right In: 1682.184+/-0.330 χ^2/NDF: 469683.7/23

Left Out: 1697.496+/-0.274 χ^2/NDF:495397.9/24

Right Out: 1686.894+/-0.320 χ^2/NDF: 667640.8/28

Left In: 1684.577+/-0.279 χ^2/NDF:165355.7/22

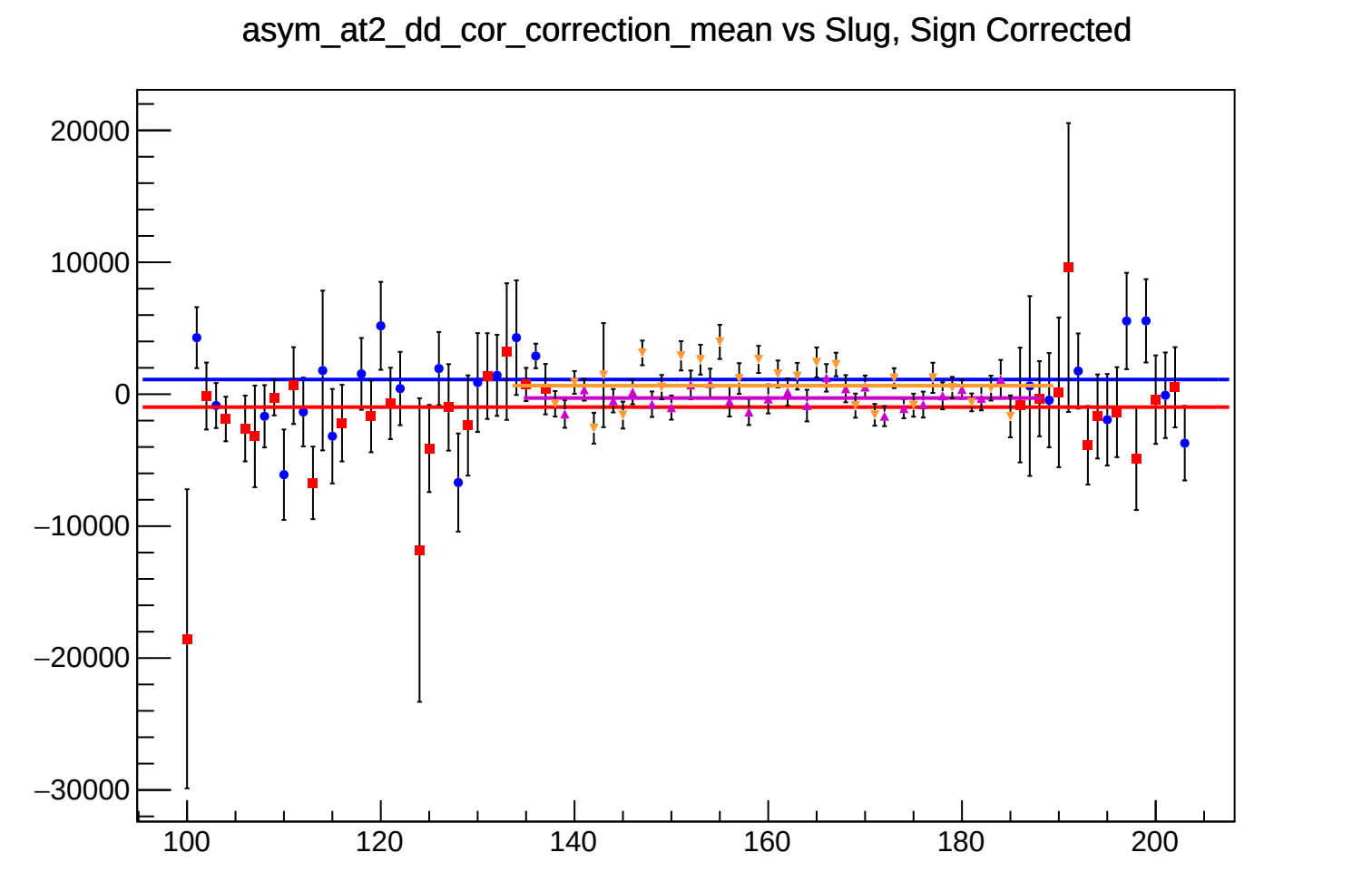
Left: 1691.137+/-0.196 χ^2/NDF: 661844.0/47

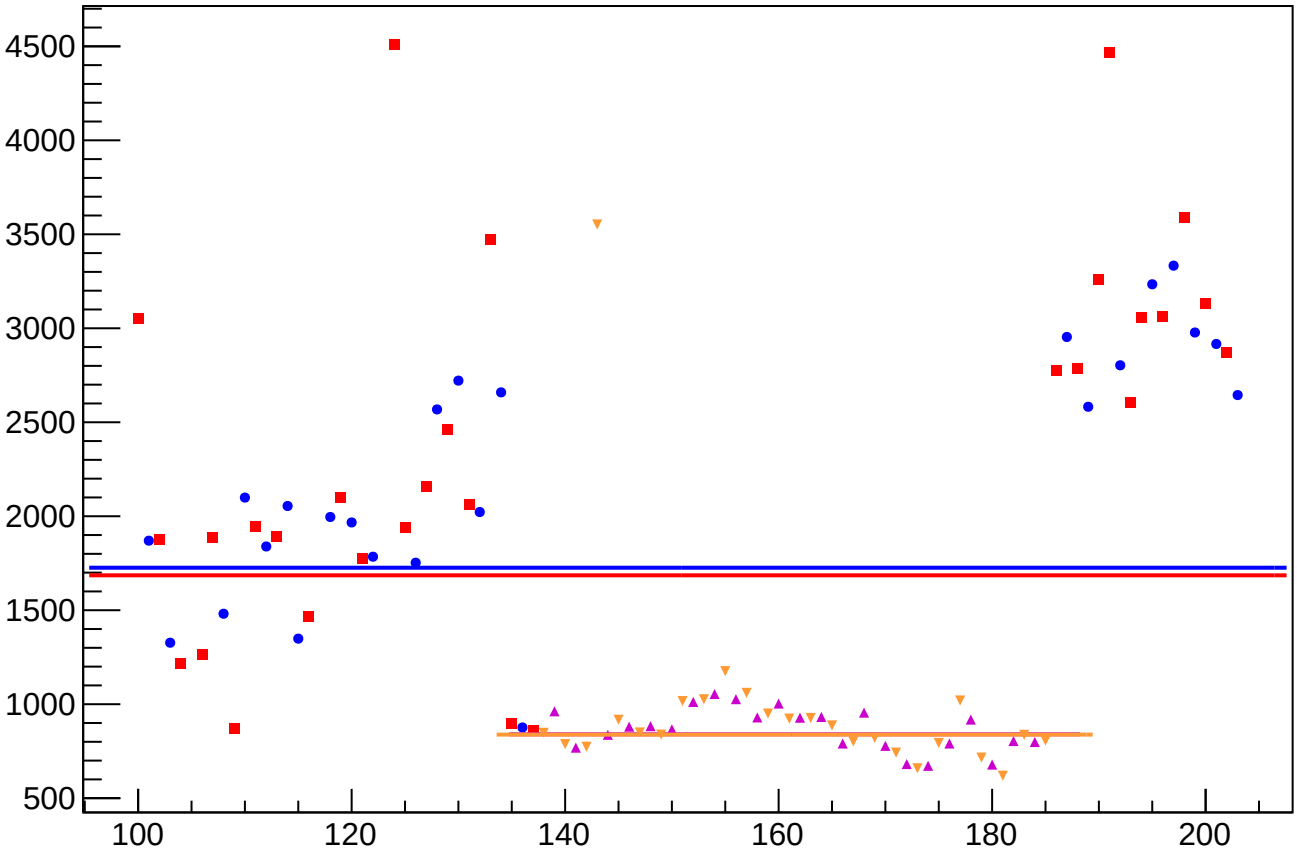
Right: 1684.610+/-0.230 χ^2/NDF: 1137429.4/52

In: 1683.581+/-0.213 χ^2/NDF:635070.0/46

Out: 1693.010+/-0.208 χ^2/NDF:1163670.1/53

All: 1688.398+/-0.149 χ^2/NDF: 1799740.9/10


asym_at2_dd_cor_correction_mean vs Slug, Sign Corrected
20000
10000
0
−10000
−20000
−30000
100
120
140
160
180
200
Right In: 1115.363+/-520.377 χ²/NDF: 29.2/23
Left Out: 649.165+/-195.673 χ²/NDF:65.5/24
Right Out: -976.537+/-499.836 χ²/NDF: 17.5/28
Left In: -288.602+/-198.495 χ²/NDF:16.6/22
Left: 186.994+/-139.349 χ²/NDF: 93.4/47
Right: 27.312+/-360.480 χ²/NDF: 55.2/52
In: -110.272+/-185.460 χ²/NDF:52.1/46
Out: 433.130+/-182.208 χ²/NDF:92.2/53
All: 166.235+/-129.975 χ²/NDF: 148.7/100



Right In: 1726.140+/-0.368 χ^2/NDF: 4275280.3/23

Left Out: 838.254+/-0.138 χ^2/NDF:1800138.0/24

Right Out: 1685.702+/-0.353 χ^2/NDF: 5500337.4/28

Left In: 839.978+/-0.140 χ^2/NDF:669338.3/22

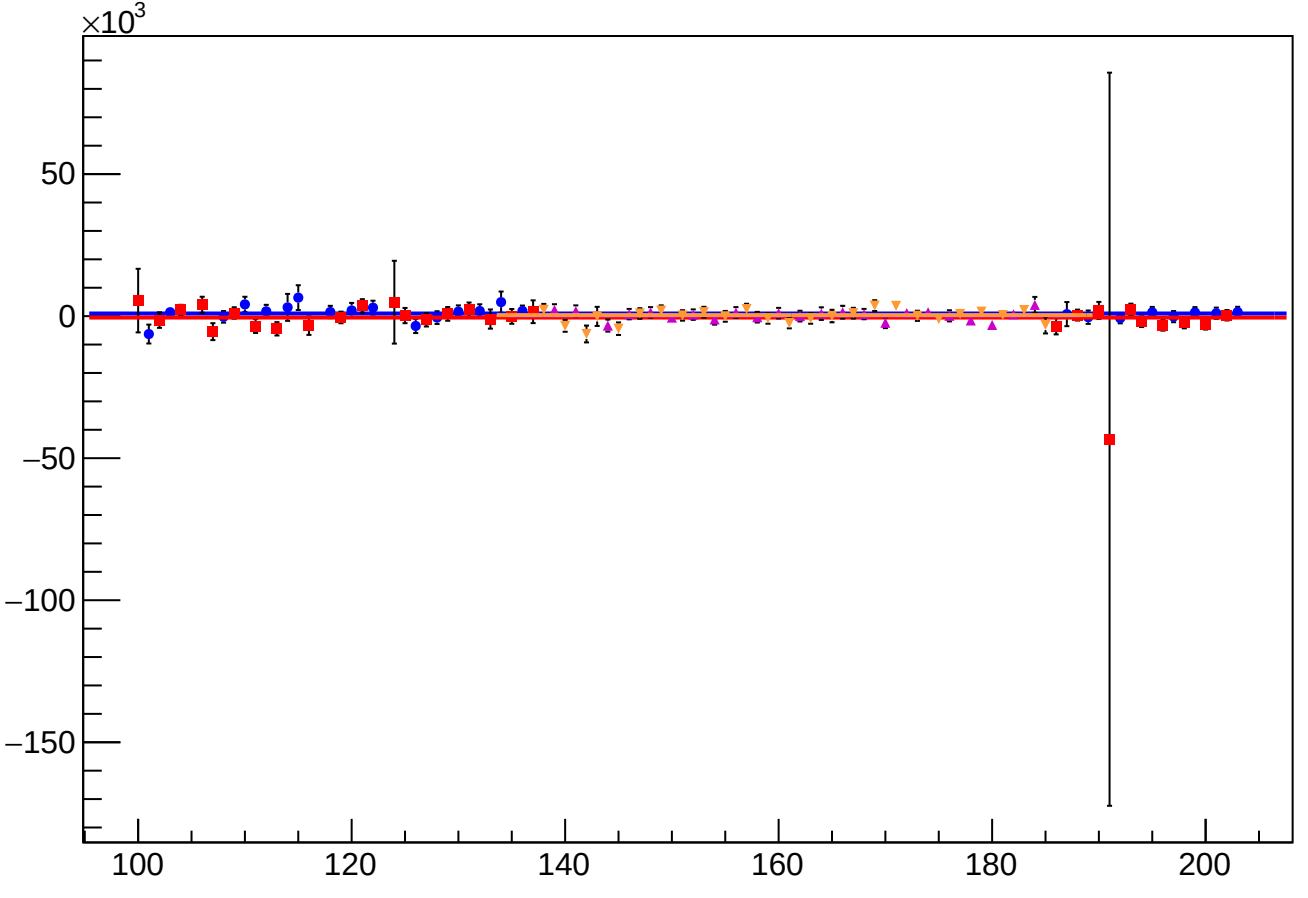
Left: 839.104+/-0.099 χ^2/NDF: 2469552.9/47

Right: 1705.107+/-0.255 χ^2/NDF: 9781899.5/52

In: 952.537+/-0.131 χ^2/NDF:10007818.1/46

Out: 950.869+/-0.129 χ^2/NDF:12285612.2/53

All: 951.688+/-0.092 χ^2/NDF: 22293512.7/10



Right In: 931.483+/-466.992 χ^2/NDF: 16.2/23

Left Out: 361.560+/-388.131 χ^2/NDF:29.6/24

Right Out: -498.224+/-453.165 χ^2/NDF: 27.9/28

Left In: 156.934+/-394.258 χ^2/NDF:16.0/22

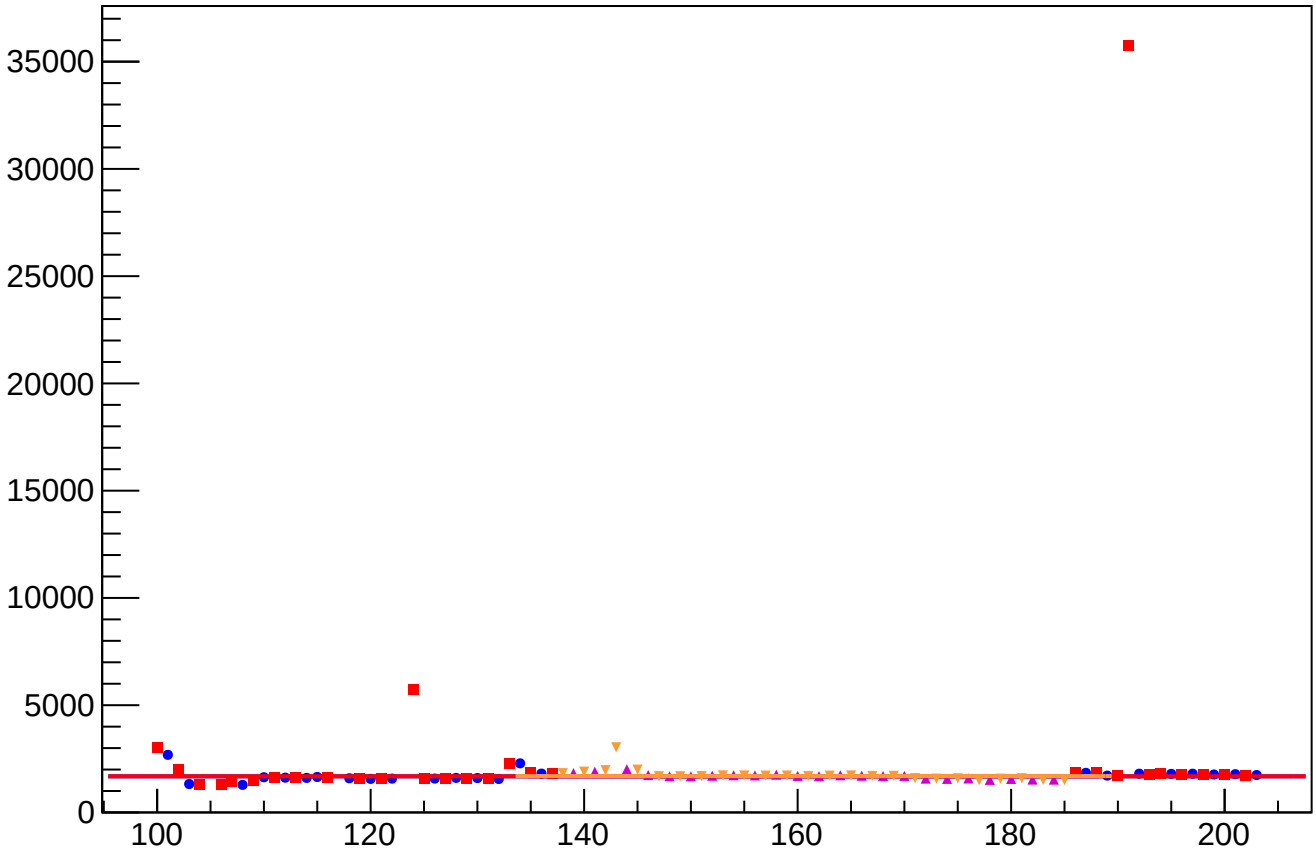
Left: 260.849+/-276.591 χ^2/NDF: 45.7/47

Right: 195.149+/-325.215 χ^2/NDF: 48.9/52

In: 479.259+/-301.254 χ^2/NDF:33.8/46

Out: -2.264+/-294.786 χ^2/NDF:59.5/53

All: 233.273+/-210.695 χ^2/NDF: 94.6/100



Right In: 1682.184+/-0.330 χ^2/NDF: 469683.7/23

Left Out: 1697.496+/-0.274 χ^2/NDF:495397.9/24

Right Out: 1686.894+/-0.320 χ^2/NDF: 667640.8/28

Left In: 1684.577+/-0.279 χ^2/NDF:165355.7/22

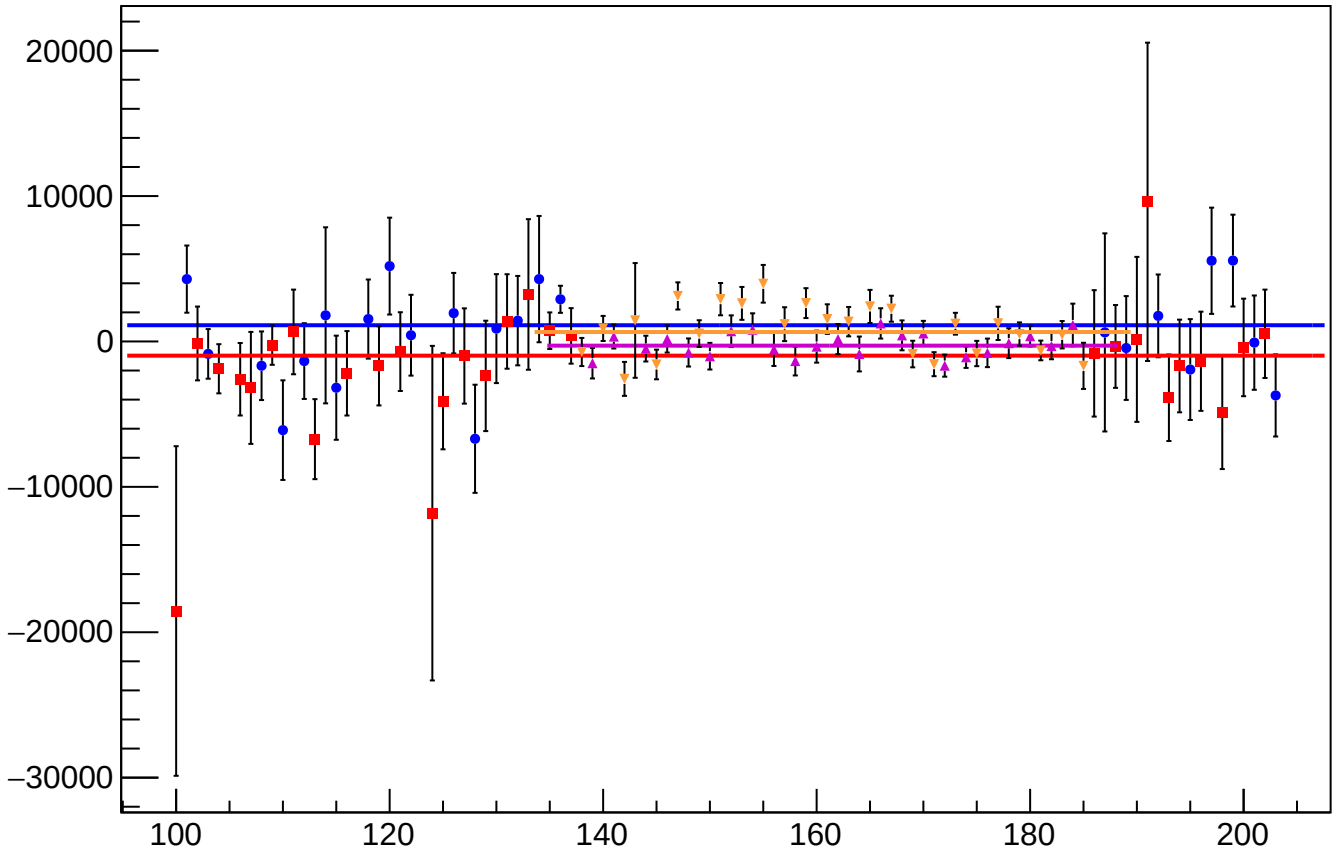
Left: 1691.137+/-0.196 χ^2/NDF: 661844.0/47

Right: 1684.610+/-0.230 χ^2/NDF: 1137429.4/52

In: 1683.581+/-0.213 χ^2/NDF:635070.0/46

Out: 1693.010+/-0.208 χ^2/NDF:1163670.1/53

All: 1688.398+/-0.149 χ^2/NDF: 1799740.9/10



Right In: 1115.363+/-520.377 χ^2/NDF: 29.2/23

Left Out: 649.165+/-195.673 χ^2/NDF:65.5/24

Right Out: -976.537+/-499.836 χ^2/NDF: 17.5/28

Left In: -288.602+/-198.495 χ^2/NDF:16.6/22

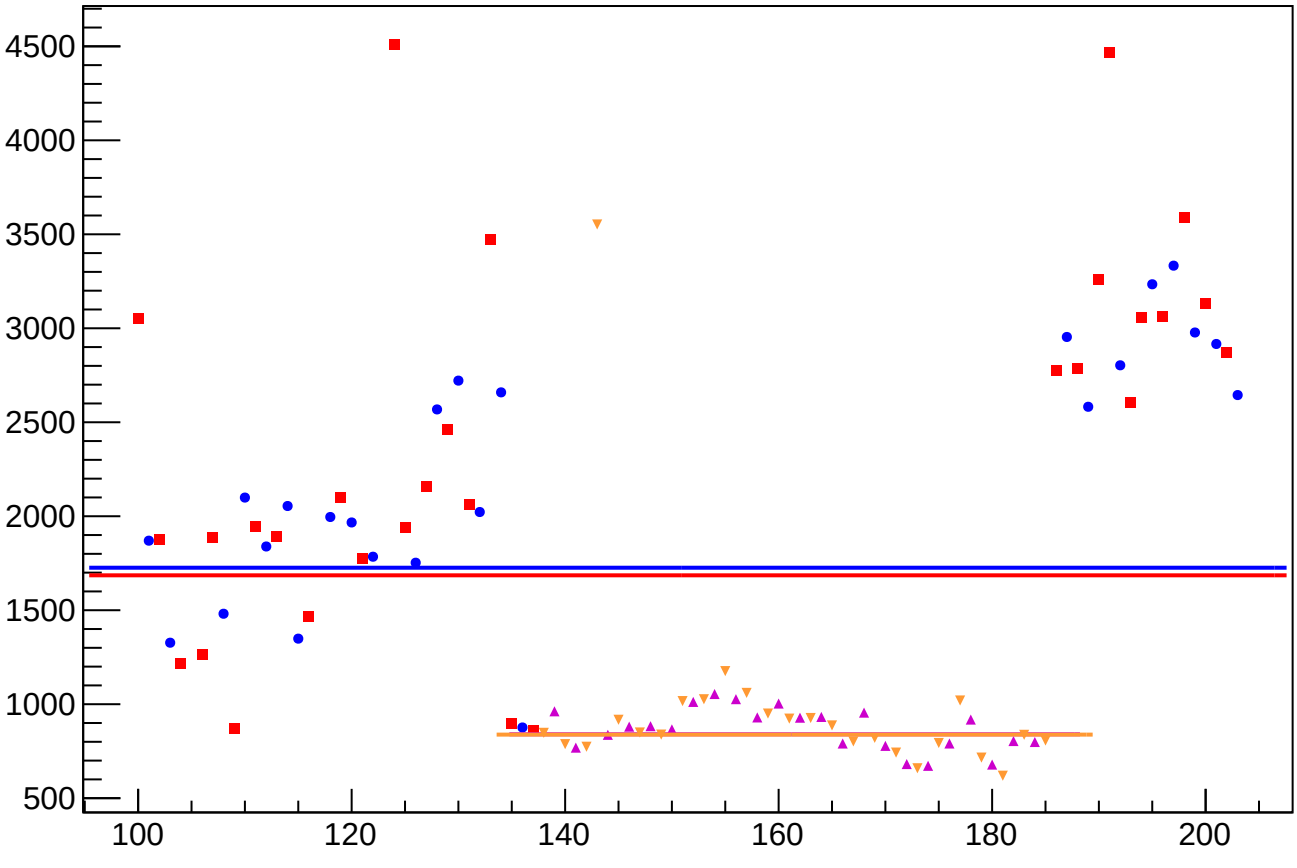
Left: 186.994+/-139.349 χ^2/NDF: 93.4/47

Right: 27.312+/-360.480 χ^2/NDF: 55.2/52

In: -110.272+/-185.460 χ^2/NDF:52.1/46

Out: 433.130+/-182.208 χ^2/NDF:92.2/53

All: 166.235+/-129.975 χ^2/NDF: 148.7/100



Right In: 1726.140+/-0.368 χ^2/NDF: 4275280.3/23

Left Out: 838.254+/-0.138 χ^2/NDF:1800138.0/24

Right Out: 1685.702+/-0.353 χ^2/NDF: 5500337.4/28

Left In: 839.978+/-0.140 χ^2/NDF:669338.3/22

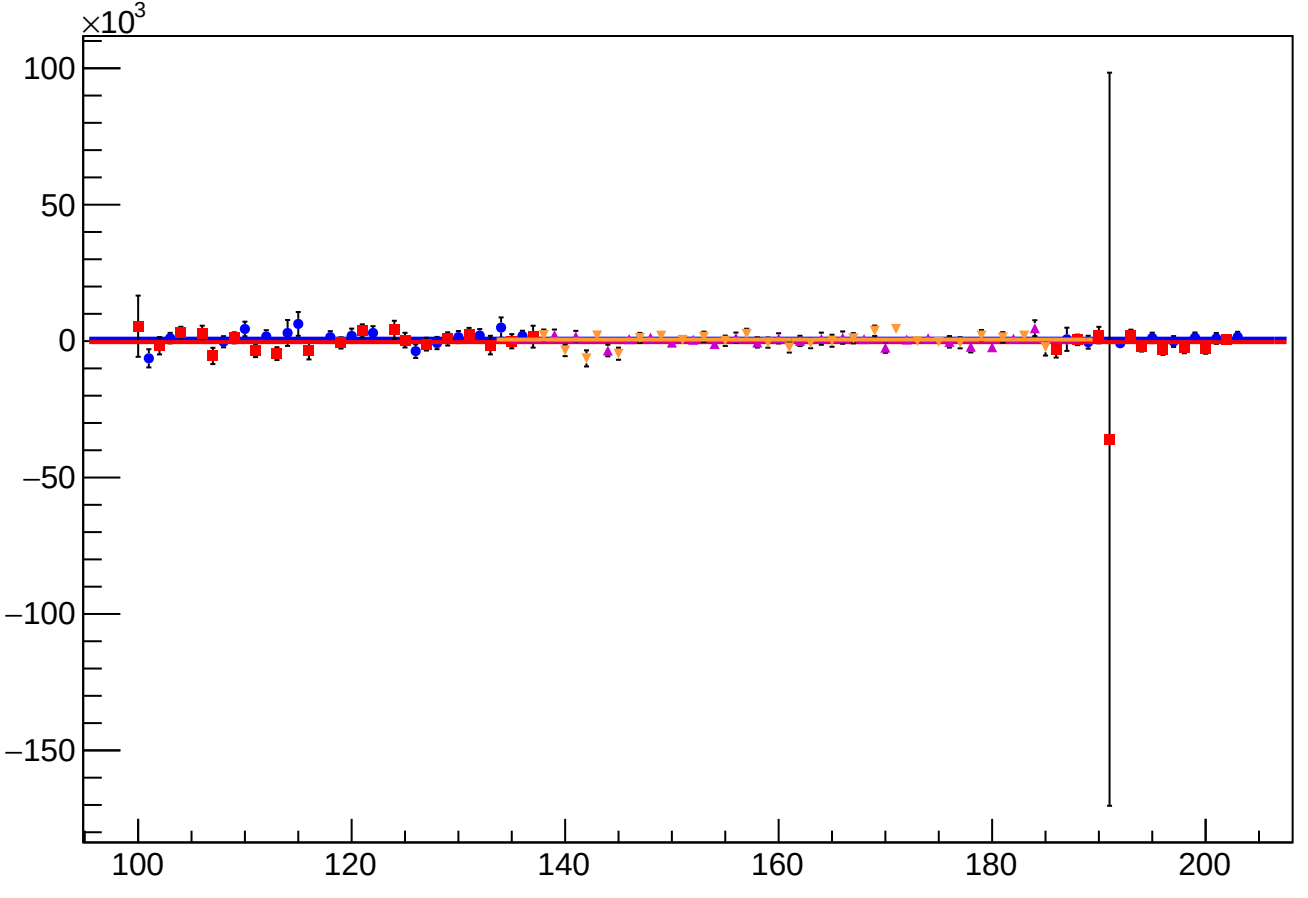
Left: 839.104+/-0.099 χ^2/NDF: 2469552.9/47

Right: 1705.107+/-0.255 χ^2/NDF: 9781899.5/52

In: 952.537+/-0.131 χ^2/NDF:10007818.1/46

Out: 950.869+/-0.129 χ^2/NDF:12285612.2/53

All: 951.688+/-0.092 χ^2/NDF: 22293512.7/10



Right In: 897.089+/-471.164 χ^2/NDF: 16.8/23

Left Out: 580.299+/-389.769 χ^2/NDF:31.9/24

Right Out: -376.578+/-453.691 χ^2/NDF: 30.2/28

Left In: 185.836+/-404.094 χ^2/NDF:14.4/22

Left: 390.183+/-280.536 χ^2/NDF: 46.9/47

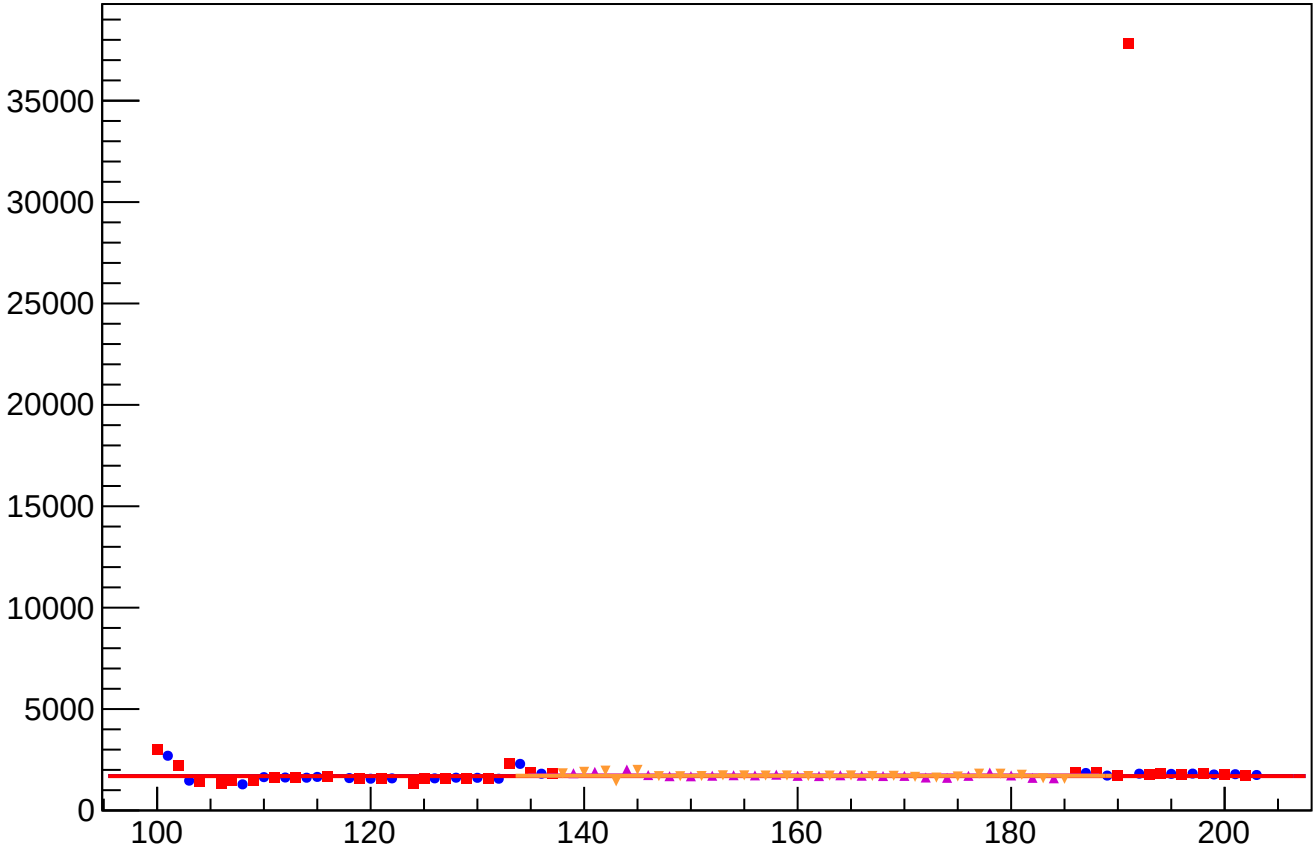
Right: 236.201+/-326.810 χ^2/NDF: 50.7/52

In: 487.278+/-306.734 χ^2/NDF:32.5/46

Out: 173.964+/-295.647 χ^2/NDF:64.7/53

All: 324.857+/-212.866 χ^2/NDF: 97.7/100

dit_asym_at2_dd_rms vs Slug, Sign Corrected



Right In: 1699.082+/-0.333 χ^2/NDF: 413029.3/23

Left Out: 1711.712+/-0.276 χ^2/NDF:168006.4/24

Right Out: 1692.831+/-0.321 χ^2/NDF: 527814.4/28

Left In: 1727.912+/-0.286 χ^2/NDF:100226.8/22

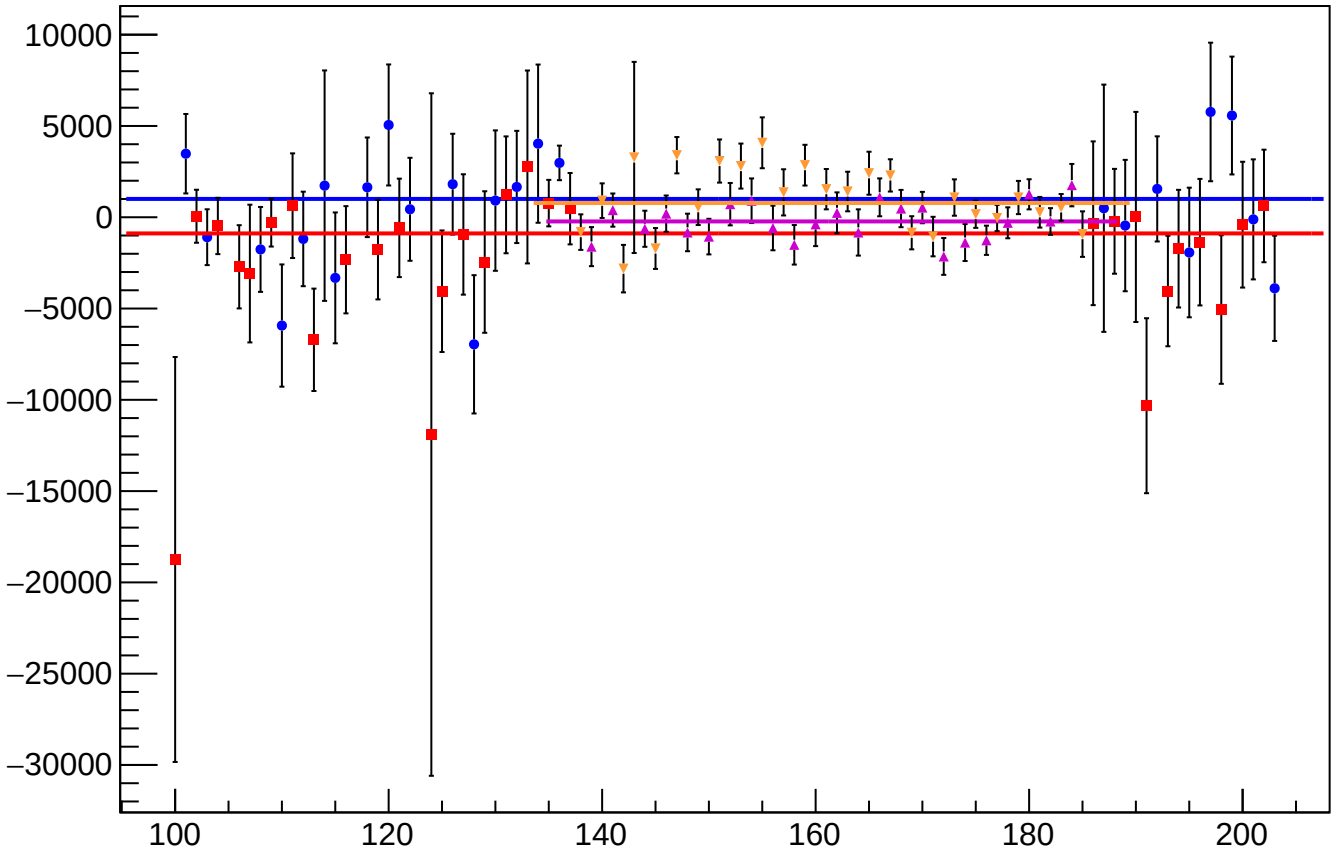
Left: 1719.520+/-0.198 χ^2/NDF: 269898.5/47

Right: 1695.838+/-0.231 χ^2/NDF: 941026.3/52

In: 1715.693+/-0.217 χ^2/NDF:517570.9/46

Out: 1703.694+/-0.209 χ^2/NDF:697813.5/53

All: 1709.473+/-0.151 χ^2/NDF: 1216971.1/10



Right In: 1003.895+/-517.239 χ^2/NDF: 29.5/23

Left Out: 778.974+/-201.641 χ^2/NDF:54.5/24

Right Out: -885.378+/-474.967 χ^2/NDF: 20.2/28

Left In: -228.879+/-206.703 χ^2/NDF:22.6/22

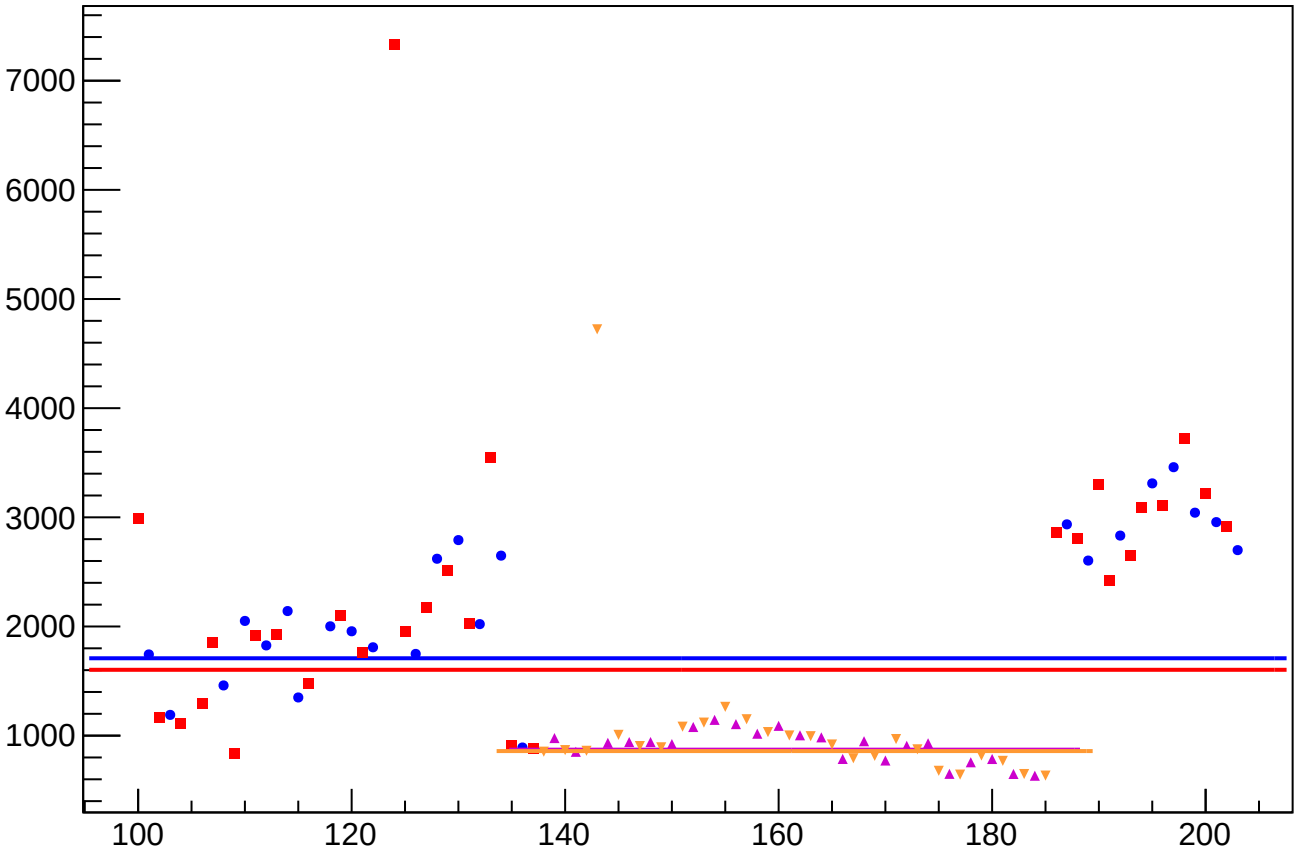
Left: 287.540+/-144.338 χ^2/NDF: 89.3/47

Right: -21.087+/-349.844 χ^2/NDF: 56.9/52

In: -59.113+/-191.944 χ^2/NDF:57.0/46

Out: 524.813+/-185.607 χ^2/NDF:85.1/53

All: 242.647+/-133.428 χ^2/NDF: 146.9/100



Right In: 1708.827+/-0.366 χ^2/NDF: 4420163.3/23

Left Out: 858.593+/-0.143 χ^2/NDF:2279775.0/24

Right Out: 1603.150+/-0.336 χ^2/NDF: 5956935.1/28

Left In: 871.527+/-0.146 χ^2/NDF:979356.2/22

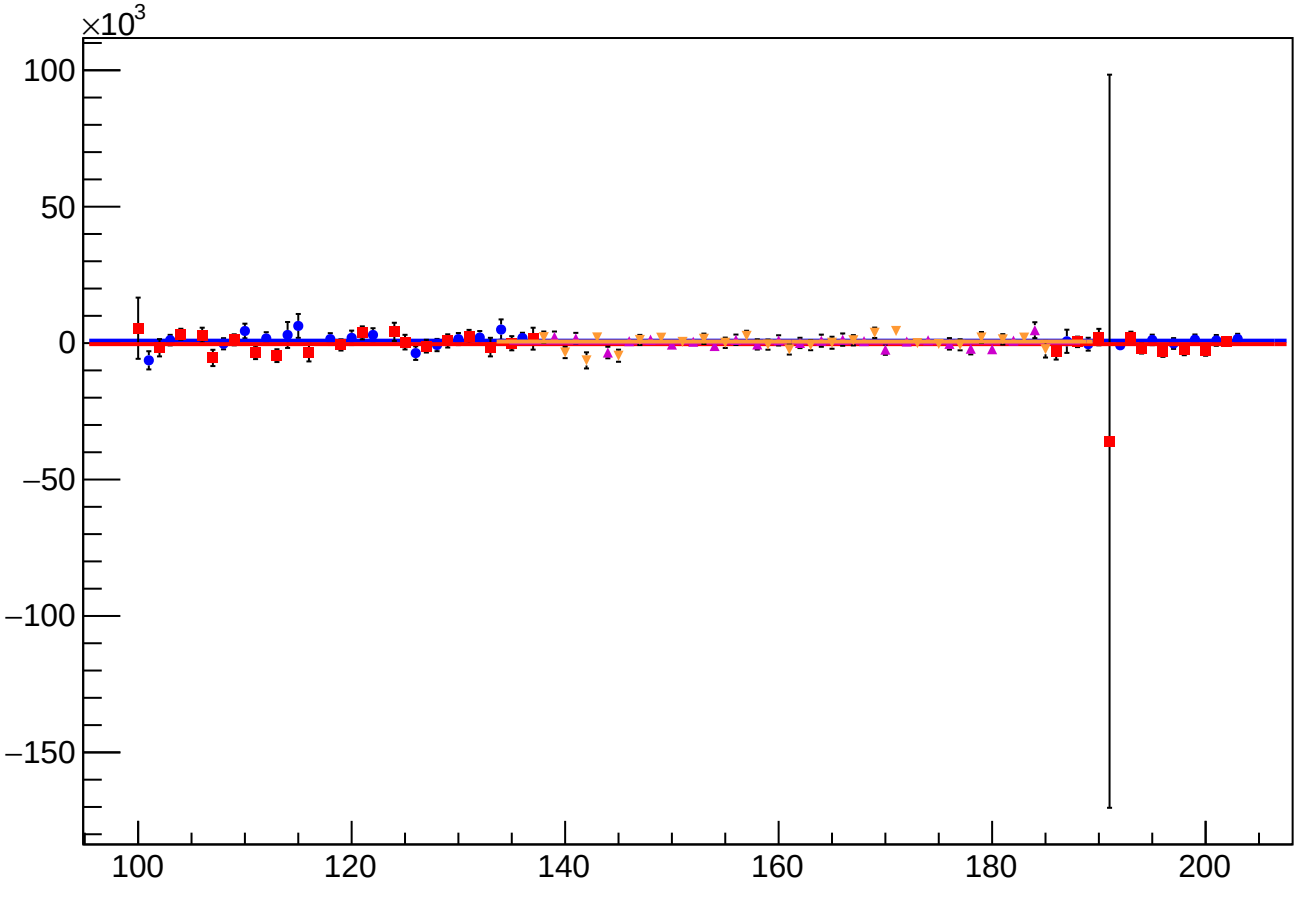
Left: 864.899+/-0.102 χ^2/NDF: 3263143.5/47

Right: 1651.494+/-0.247 χ^2/NDF: 10422391.1/52

In: 986.831+/-0.136 χ^2/NDF:9918736.9/46

Out: 972.293+/-0.131 χ^2/NDF:12400922.6/53

All: 979.318+/-0.094 χ^2/NDF: 22325588.8/10



Right In: 897.090+/-471.164 χ^2/NDF: 16.8/23

Left Out: 580.295+/-389.769 χ^2/NDF:31.9/24

Right Out: -376.577+/-453.691 χ^2/NDF: 30.2/28

Left In: 185.837+/-404.094 χ^2/NDF:14.4/22

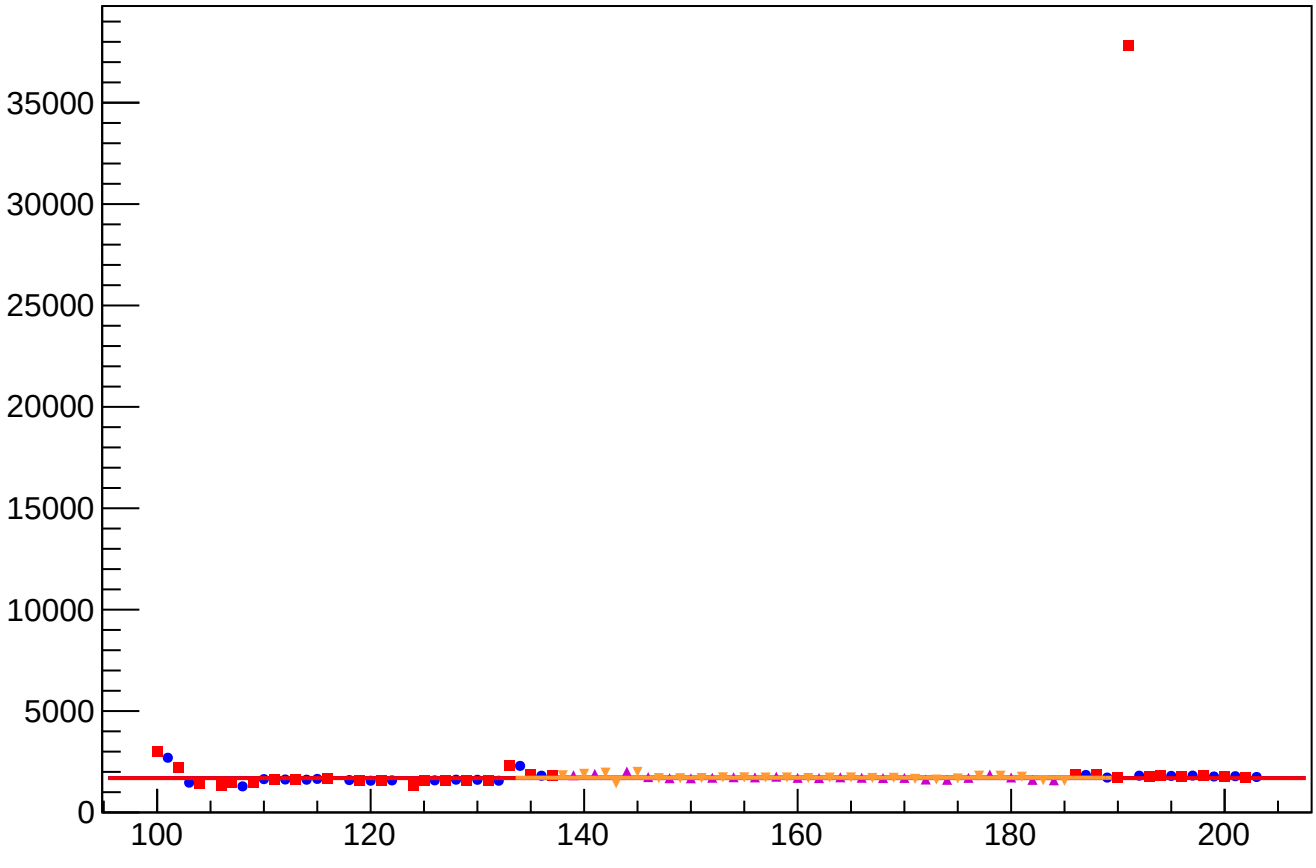
Left: 390.181+/-280.536 χ^2/NDF: 46.9/47

Right: 236.202+/-326.810 χ^2/NDF: 50.7/52

In: 487.279+/-306.734 χ^2/NDF:32.5/46

Out: 173.961+/-295.647 χ^2/NDF:64.7/53

All: 324.856+/-212.866 χ^2/NDF: 97.7/100



Right In: 1699.082+/-0.333 χ^2/NDF: 413029.1/23

Left Out: 1711.711+/-0.276 χ^2/NDF:168005.1/24

Right Out: 1692.831+/-0.321 χ^2/NDF: 527814.6/28

Left In: 1727.912+/-0.286 χ^2/NDF:100226.8/22

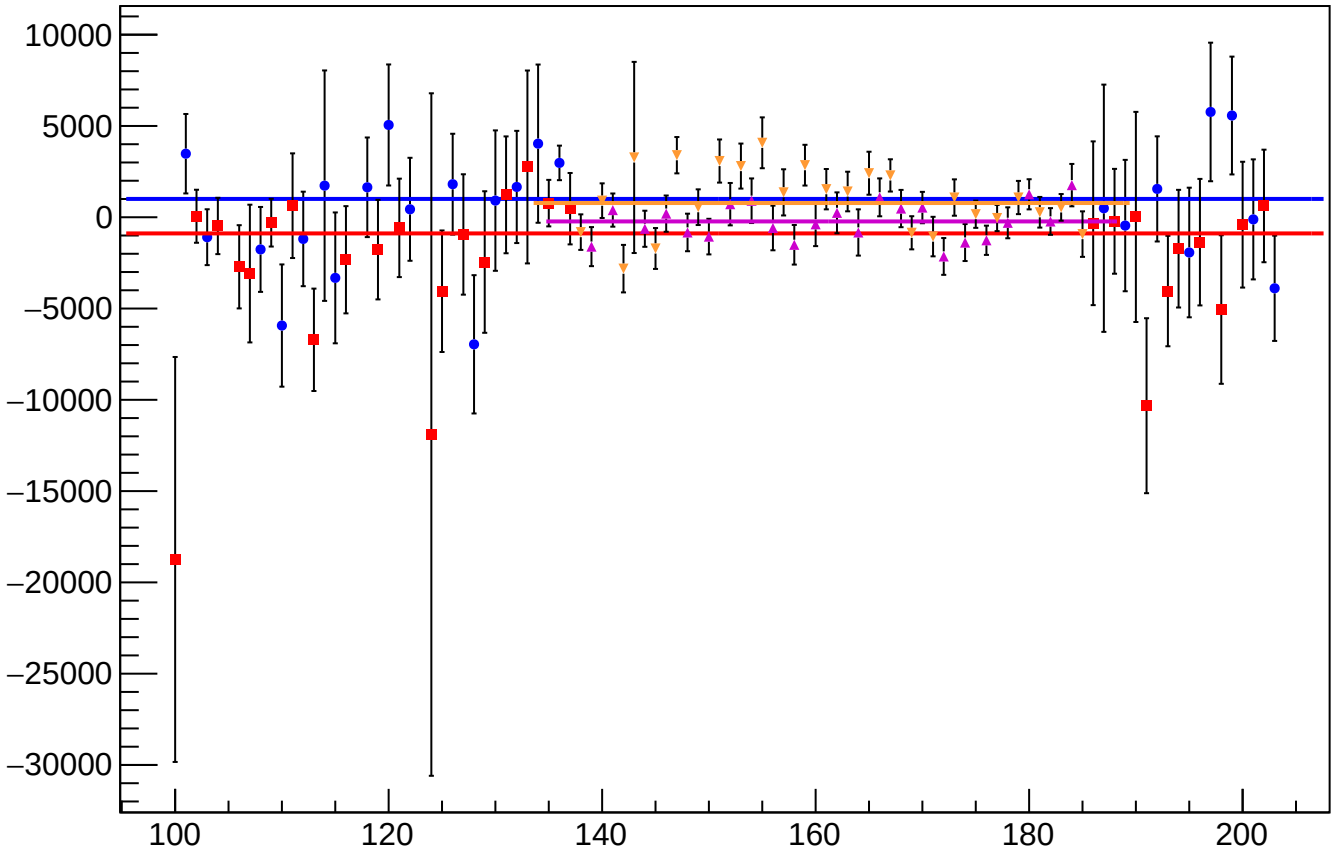
Left: 1719.519+/-0.198 χ^2/NDF: 269897.2/47

Right: 1695.838+/-0.231 χ^2/NDF: 941026.3/52

In: 1715.693+/-0.217 χ^2/NDF:517570.6/46

Out: 1703.694+/-0.209 χ^2/NDF:697812.5/53

All: 1709.473+/-0.151 χ^2/NDF: 1216969.6/10



Right In: 1003.885+/-517.242 χ^2/NDF: 29.5/23

Left Out: 778.977+/-201.641 χ^2/NDF:54.5/24

Right Out: -885.392+/-474.969 χ^2/NDF: 20.2/28

Left In: -228.876+/-206.703 χ^2/NDF:22.6/22

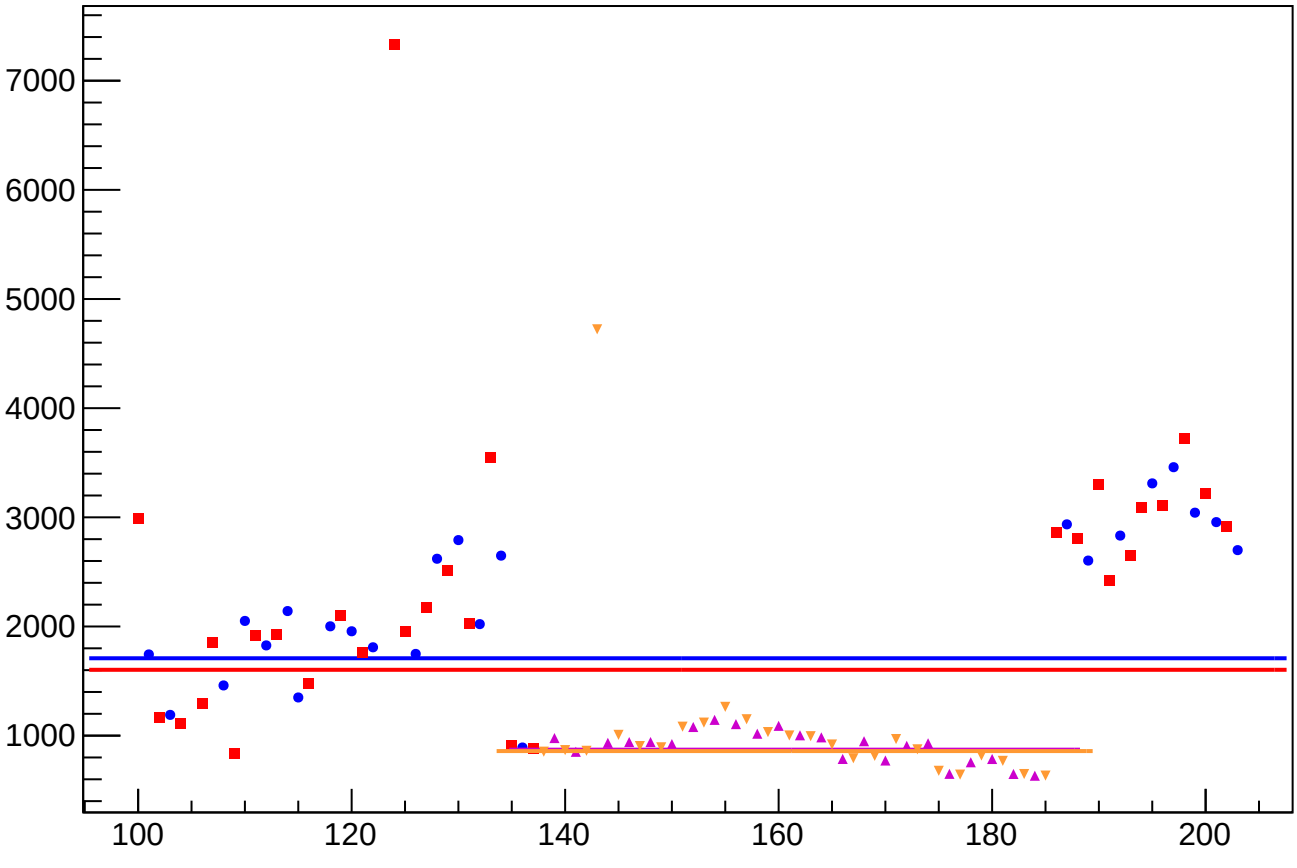
Left: 287.542+/-144.338 χ^2/NDF: 89.3/47

Right: -21.099+/-349.846 χ^2/NDF: 56.9/52

In: -59.115+/-191.944 χ^2/NDF:57.0/46

Out: 524.815+/-185.608 χ^2/NDF:85.1/53

All: 242.647+/-133.428 χ^2/NDF: 146.9/100



Right In: 1708.843+/-0.366 χ^2/NDF: 4420016.6/23

Left Out: 858.593+/-0.143 χ^2/NDF:2279765.6/24

Right Out: 1603.164+/-0.336 χ^2/NDF: 5956804.5/28

Left In: 871.525+/-0.146 χ^2/NDF:979360.3/22

Left: 864.899+/-0.102 χ^2/NDF: 3263137.5/47

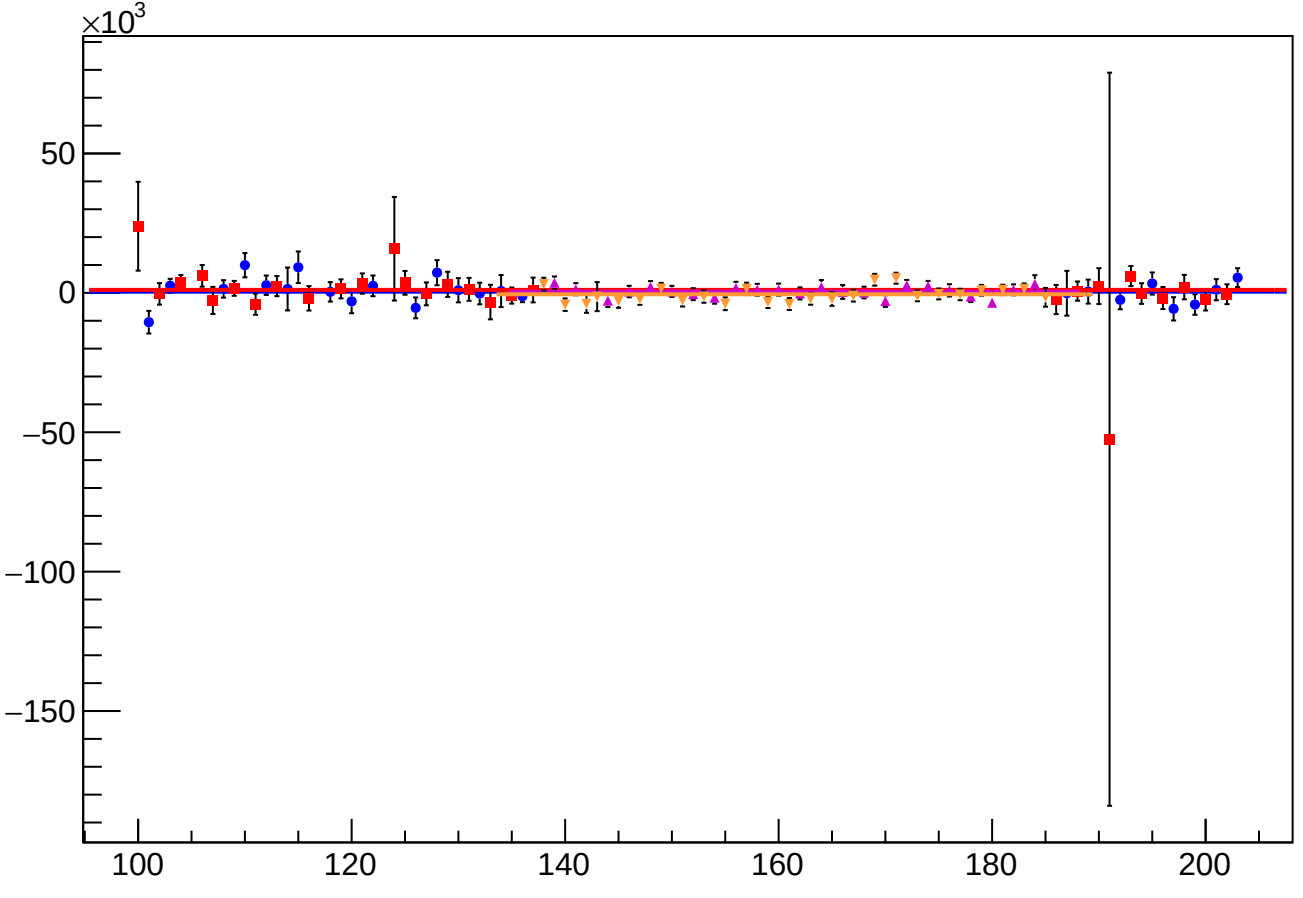
Right: 1651.509+/-0.247 χ^2/NDF: 10422114.7/52

In: 986.831+/-0.136 χ^2/NDF:9918732.2/46

Out: 972.294+/-0.131 χ^2/NDF:12400898.8/53

All: 979.319+/-0.094 χ^2/NDF: 22325559.2/10

asym_at2_dd_mean vs Slug, Sign Corrected



Right In: 424.895+/-763.326 χ^2/NDF: 29.3/23

Left Out: -501.517+/-439.916 χ^2/NDF:35.9/24

Right Out: 1070.349+/-741.736 χ^2/NDF: 15.2/28

Left In: 411.323+/-444.573 χ^2/NDF:18.9/22

Left: -49.903+/-312.701 χ^2/NDF: 56.9/47

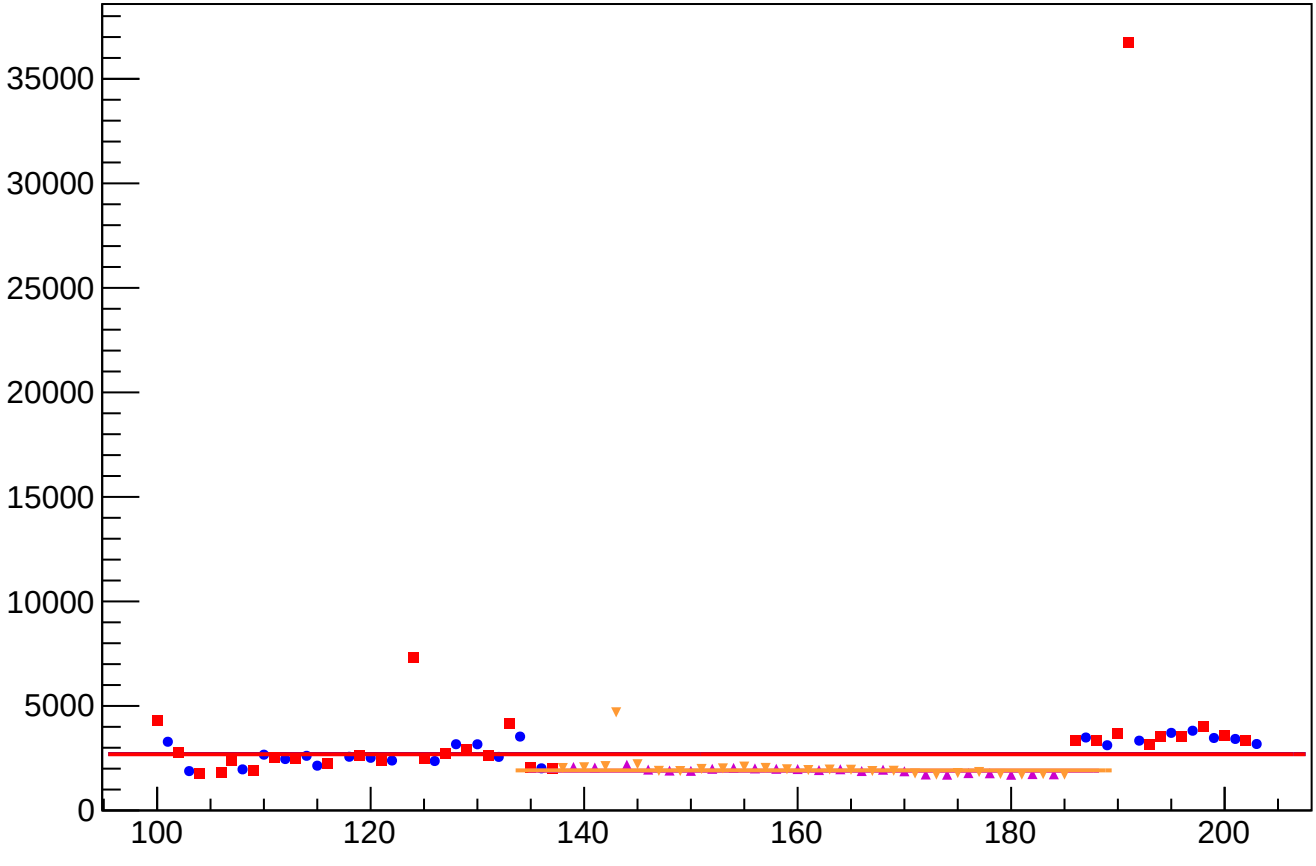
Right: 756.879+/-531.955 χ^2/NDF: 44.9/52

In: 414.761+/-384.166 χ^2/NDF:48.2/46

Out: -92.483+/-378.374 χ^2/NDF:54.5/53

All: 157.286+/-269.575 χ^2/NDF: 103.5/100

asym_at2_dd_rms vs Slug, Sign Corrected



Right In: 2699.920+/-0.540 χ^2/NDF: 1311711.2/23

Left Out: 1917.157+/-0.311 χ^2/NDF:756385.6/24

Right Out: 2689.770+/-0.524 χ^2/NDF: 1915675.8/28

Left In: 1899.245+/-0.314 χ^2/NDF:173376.4/22

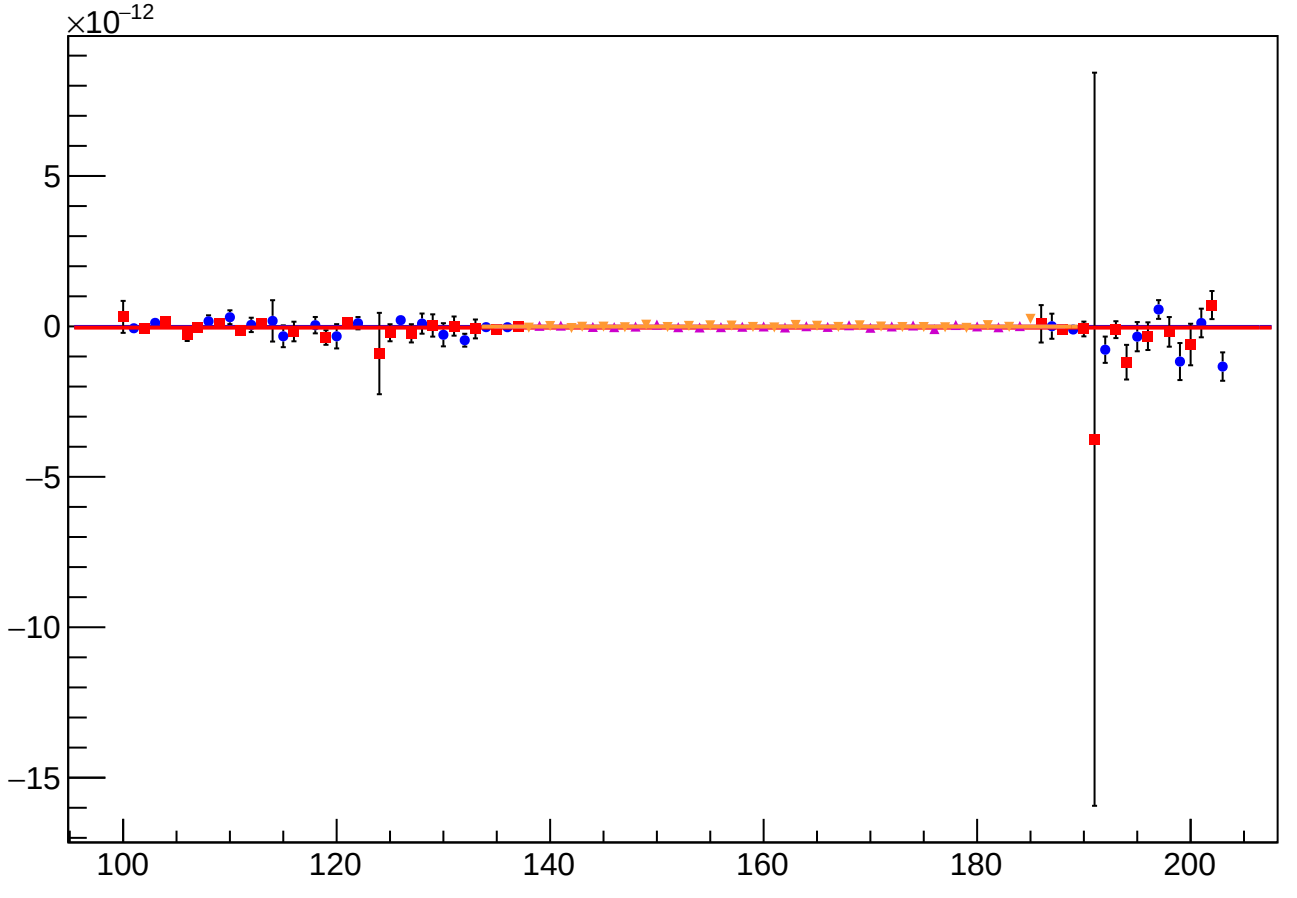
Left: 1908.296+/-0.221 χ^2/NDF: 931402.4/47

Right: 2694.699+/-0.376 χ^2/NDF: 3227569.0/52

In: 2102.049+/-0.272 χ^2/NDF:3128229.2/46

Out: 2118.210+/-0.268 χ^2/NDF:4277378.1/53

All: 2110.252+/-0.191 χ^2/NDF: 7407403.9/10



Right In: -0.000+/-0.000 χ^2/NDF: 33.5/23

Left Out: -0.000+/-0.000 χ^2/NDF:28.5/24

Right Out: -0.000+/-0.000 χ^2/NDF: 23.4/28

Left In: -0.000+/-0.000 χ^2/NDF:25.0/22

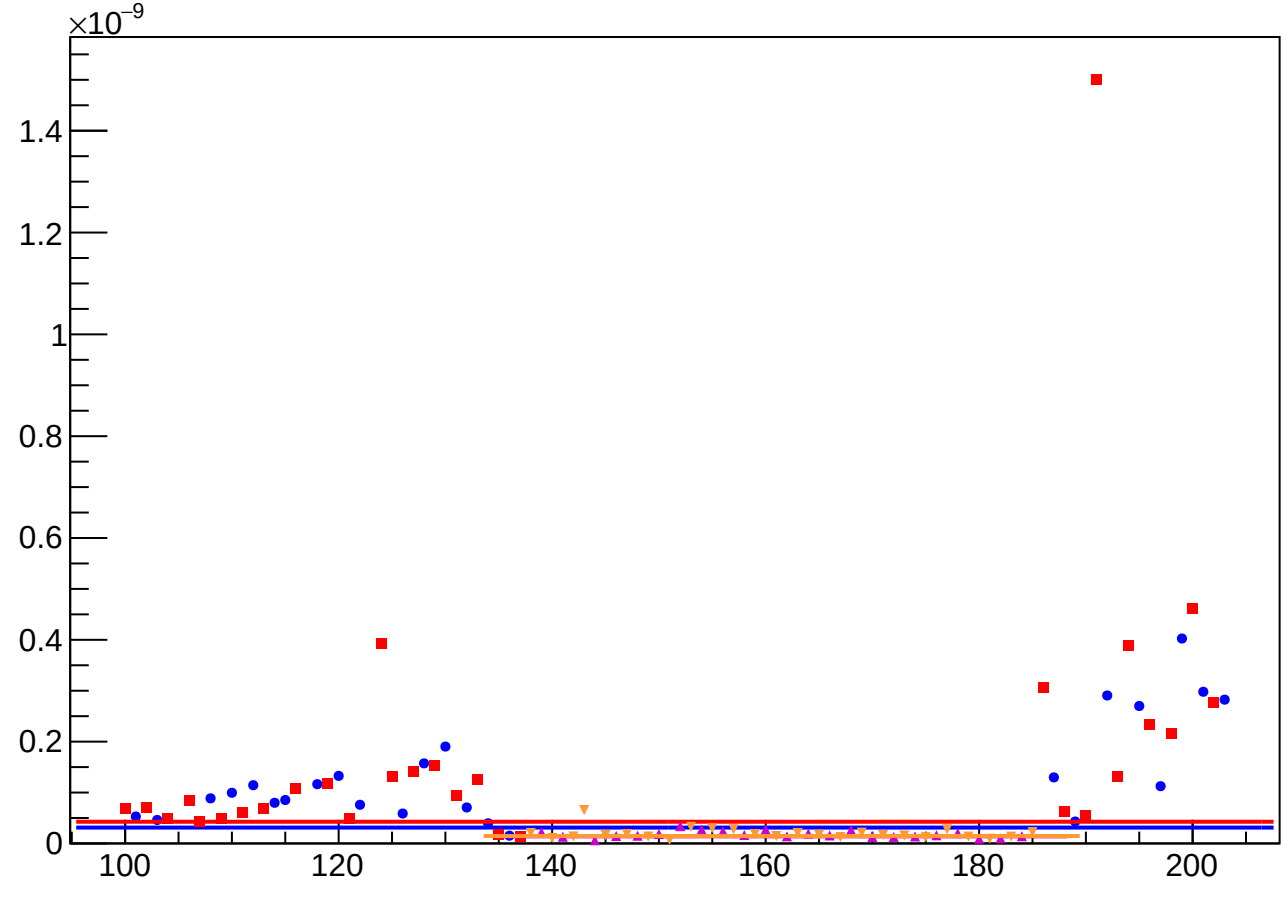
Left: -0.000+/-0.000 χ^2/NDF: 53.6/47

Right: -0.000+/-0.000 χ^2/NDF: 57.3/52

In: -0.000+/-0.000 χ^2/NDF:58.7/46

Out: -0.000+/-0.000 χ^2/NDF:53.5/53

All: -0.000+/-0.000 χ^2/NDF: 112.2/100



Right In: 0.000+/-0.000 χ^2/NDF: 6158090.2/23

Left Out: 0.000+/-0.000 χ^2/NDF:1874636.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 5737757.7/28

Left In: 0.000+/-0.000 χ^2/NDF:1944578.7/22

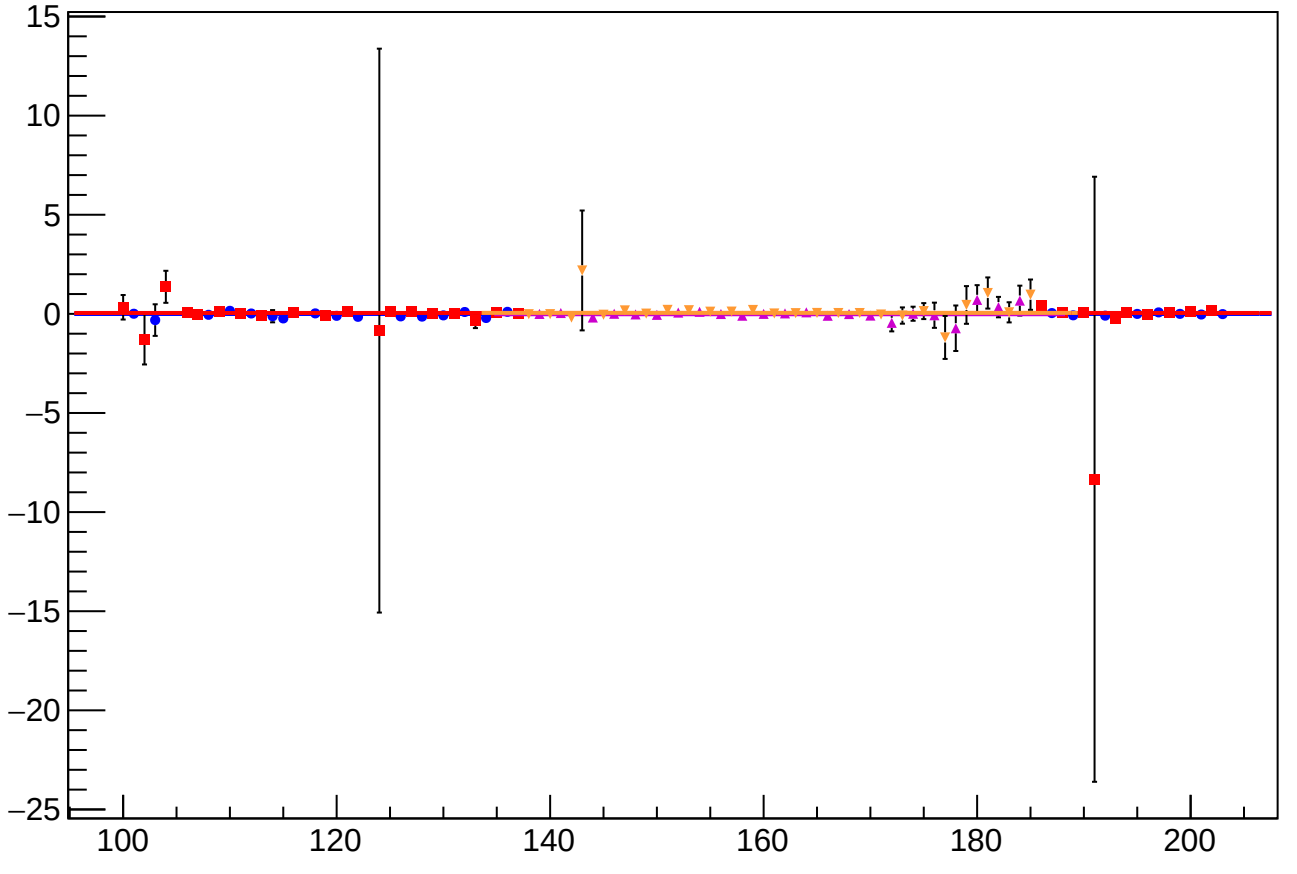
Left: 0.000+/-0.000 χ^2/NDF: 3830932.2/47

Right: 0.000+/-0.000 χ^2/NDF: 12117171.3/52

In: 0.000+/-0.000 χ^2/NDF:9271262.6/46

Out: 0.000+/-0.000 χ^2/NDF:9703522.0/53

All: 0.000+/-0.000 χ^2/NDF: 18992329.3/100



Right In: -0.006+/-0.023 χ^2/NDF: 14.8/23

Left Out: 0.050+/-0.017 χ^2/NDF:24.5/24

Right Out: 0.045+/-0.021 χ^2/NDF: 23.8/28

Left In: -0.019+/-0.017 χ^2/NDF:15.4/22

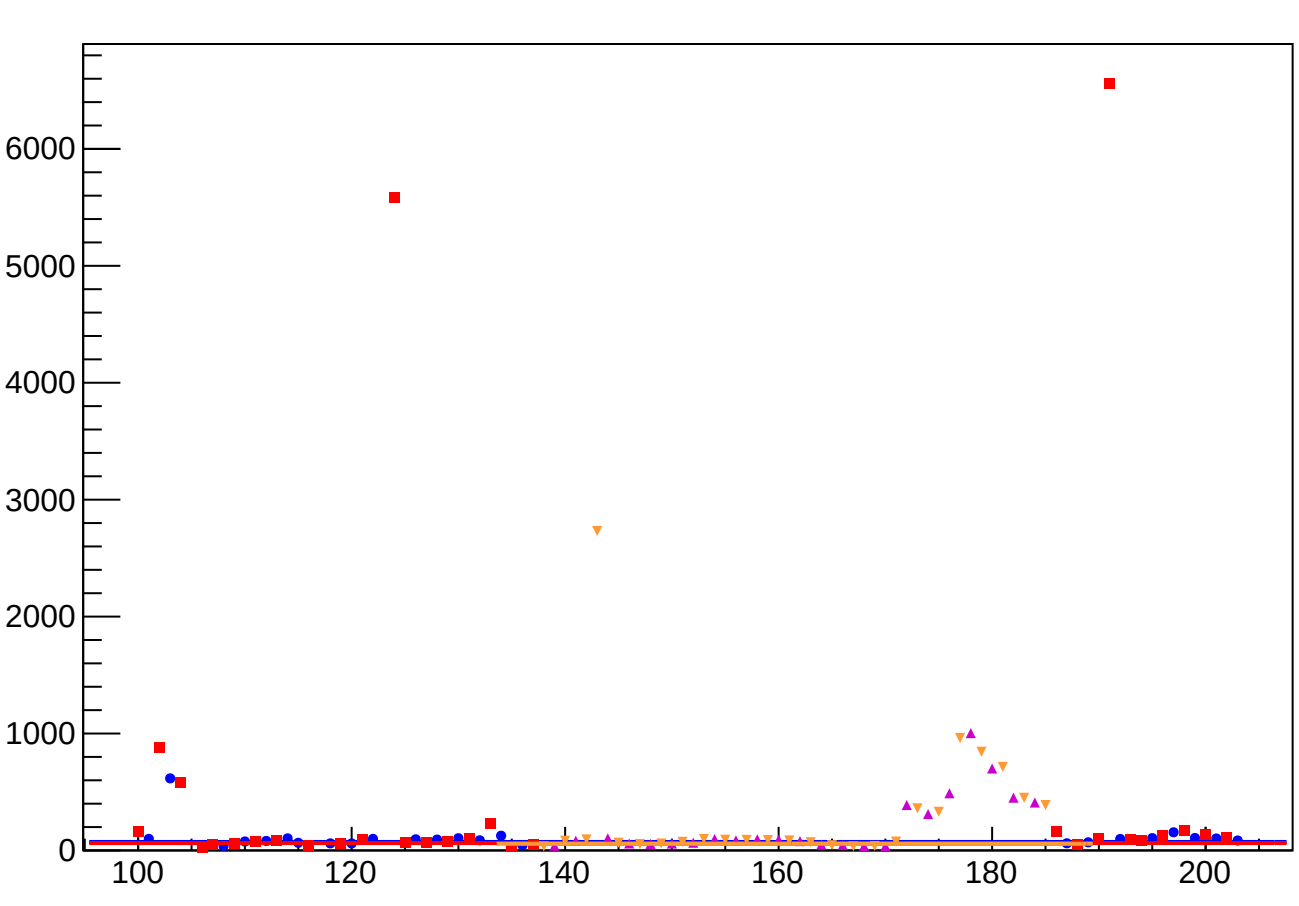
Left: 0.016+/-0.012 χ^2/NDF: 48.0/47

Right: 0.022+/-0.015 χ^2/NDF: 41.4/52

In: -0.014+/-0.014 χ^2/NDF:30.5/46

Out: 0.048+/-0.013 χ^2/NDF:48.3/53

All: 0.018+/-0.009 χ^2/NDF: 89.6/100



Right In: 72.657+/-0.016 χ^2/NDF: 3714983.3/23

Left Out: 57.259+/-0.012 χ^2/NDF:12322019.7/24

Right Out: 63.065+/-0.015 χ^2/NDF: 7100165.0/28

Left In: 58.580+/-0.012 χ^2/NDF:10247660.0/22

Left: 57.916+/-0.009 χ^2/NDF: 22575659.0/47

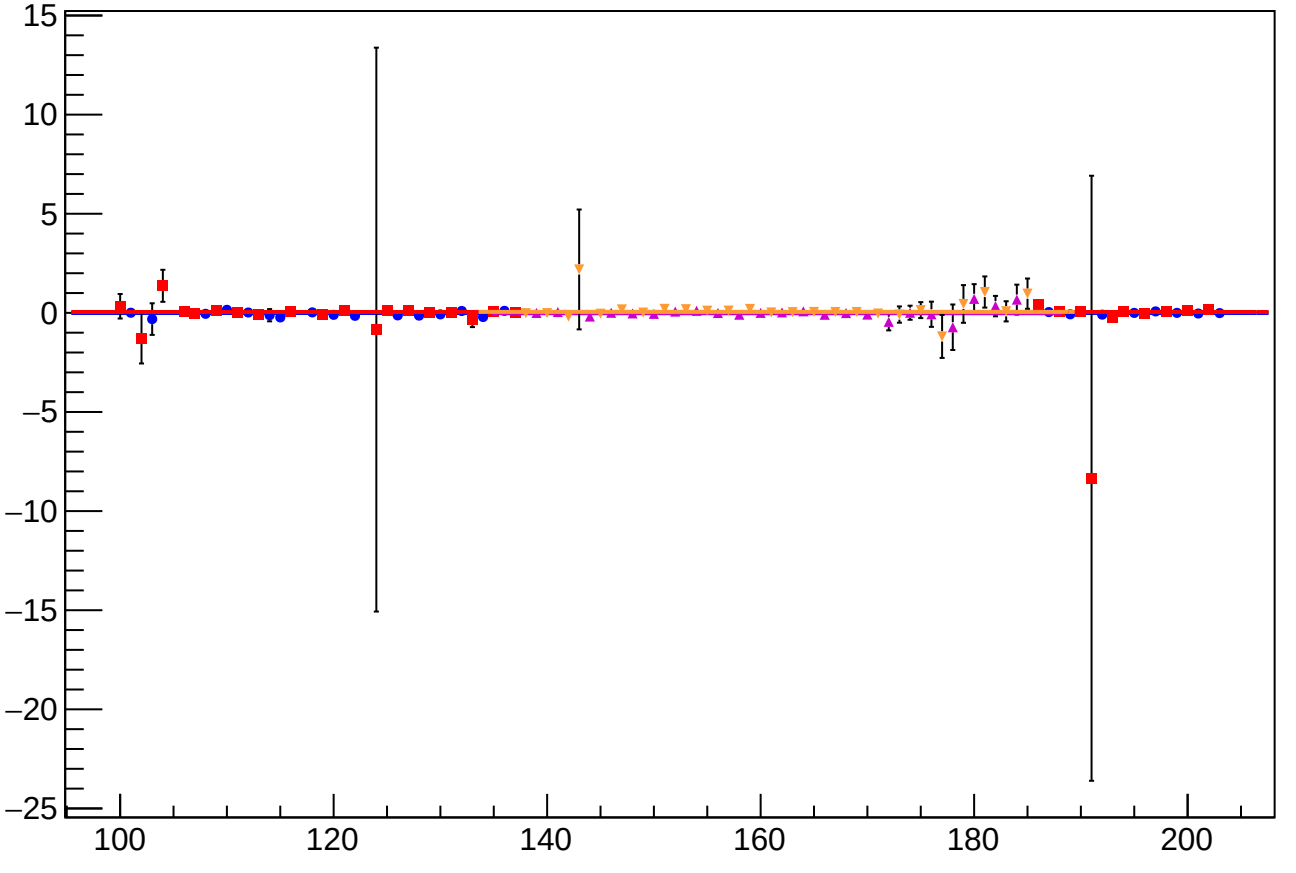
Right: 67.384+/-0.011 χ^2/NDF: 11012107.9/52

In: 63.698+/-0.010 χ^2/NDF:14453777.8/46

Out: 59.628+/-0.009 χ^2/NDF:19517047.5/53

All: 61.577+/-0.007 χ^2/NDF: 34063279.7/100

asym_at2_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.006+/-0.023 χ^2/NDF: 14.8/23

Left Out: 0.050+/-0.017 χ^2/NDF:24.5/24

Right Out: 0.045+/-0.021 χ^2/NDF: 23.8/28

Left In: -0.019+/-0.017 χ^2/NDF:15.4/22

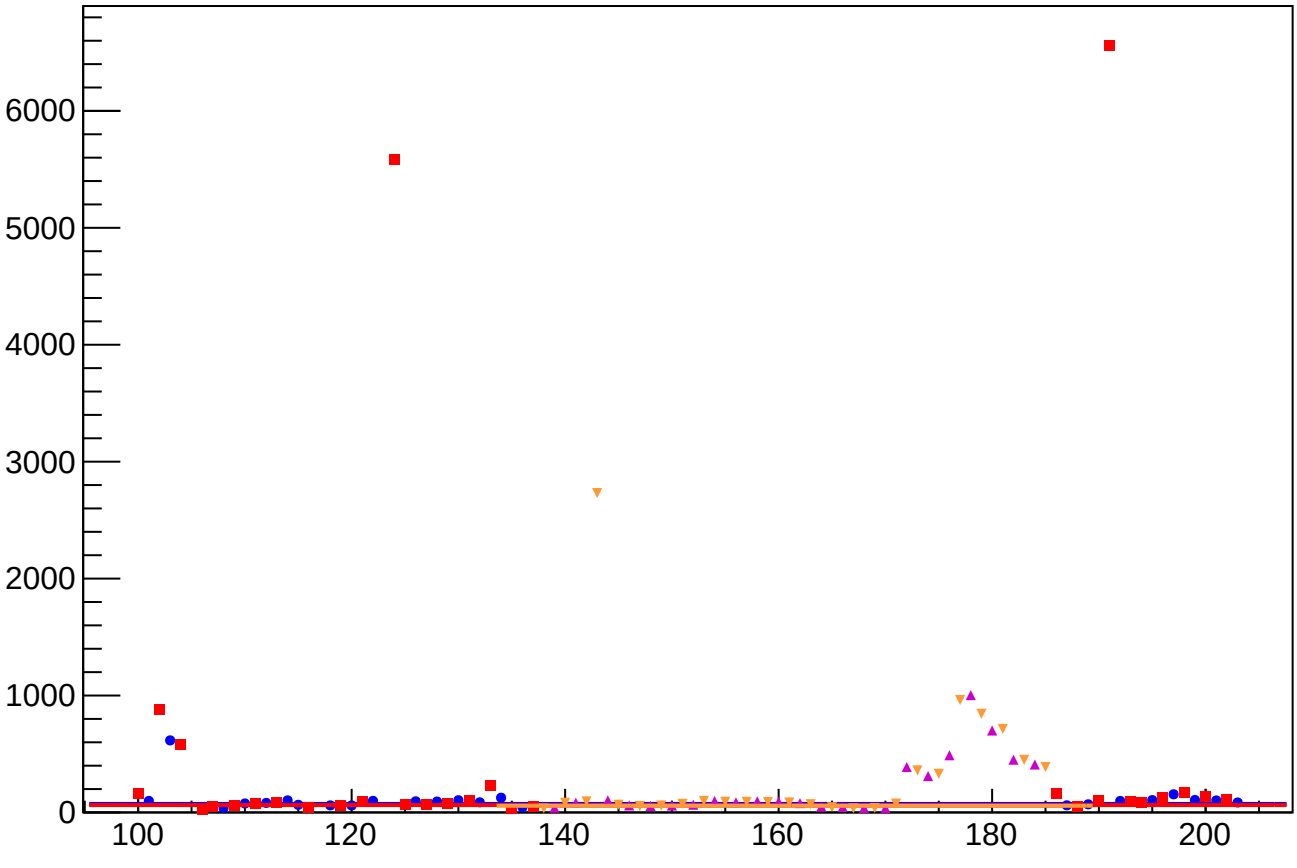
Left: 0.016+/-0.012 χ^2/NDF: 48.0/47

Right: 0.022+/-0.015 χ^2/NDF: 41.4/52

In: -0.014+/-0.014 χ^2/NDF:30.5/46

Out: 0.048+/-0.013 χ^2/NDF:48.3/53

All: 0.018+/-0.009 χ^2/NDF: 89.6/100



Right In: 72.657+/-0.016 χ^2/NDF: 3714983.3/23

Left Out: 57.259+/-0.012 χ^2/NDF:12322019.7/24

Right Out: 63.065+/-0.015 χ^2/NDF: 7100165.0/28

Left In: 58.580+/-0.012 χ^2/NDF:10247660.0/22

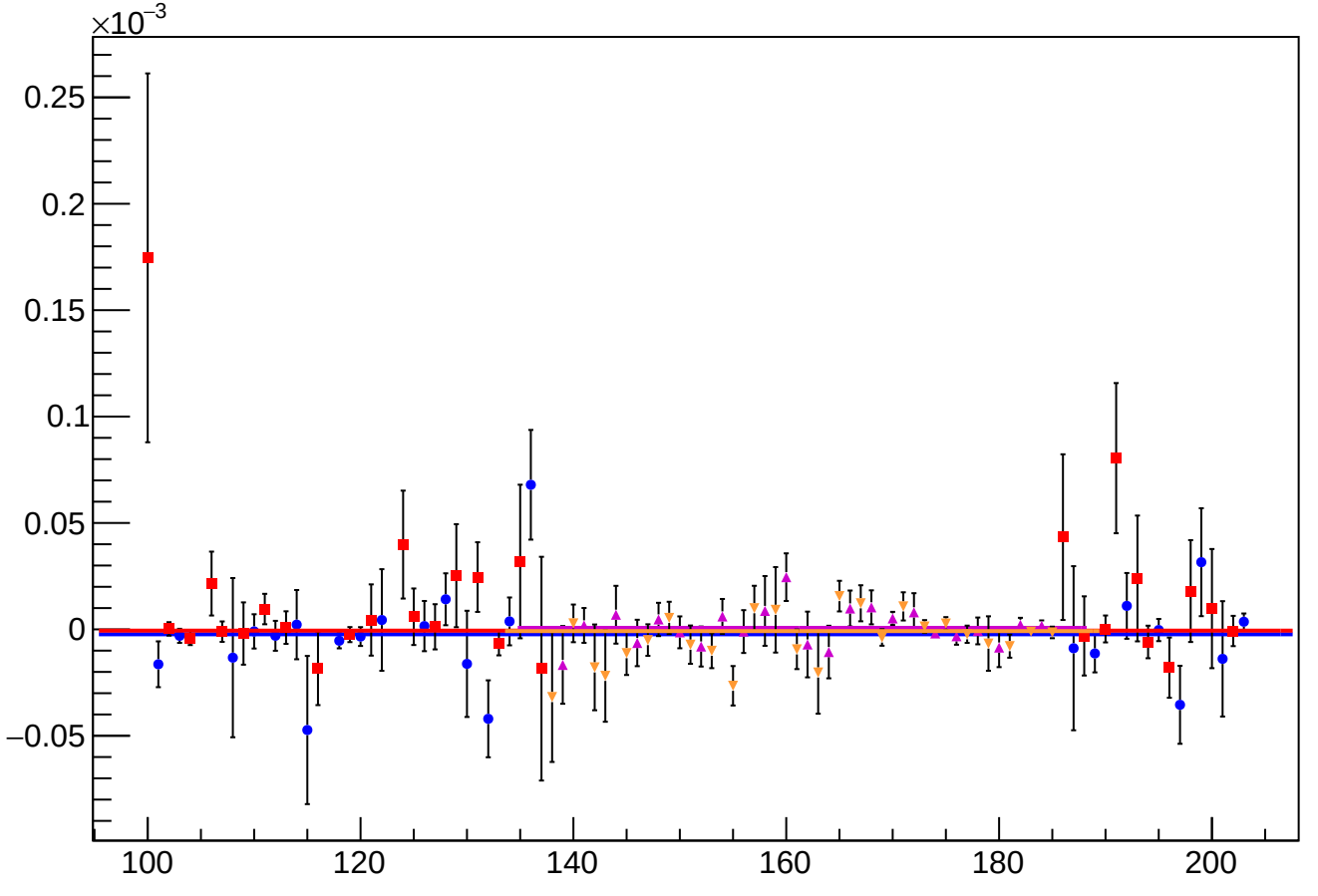
Left: 57.916+/-0.009 χ^2/NDF: 22575659.0/47

Right: 67.384+/-0.011 χ^2/NDF: 11012107.9/52

In: 63.698+/-0.010 χ^2/NDF:14453777.8/46

Out: 59.628+/-0.009 χ^2/NDF:19517047.5/53

All: 61.577+/-0.007 χ^2/NDF: 34063279.7/100



Right In: -0.000+/-0.000 χ^2/NDF: 28.8/23

Left Out: -0.000+/-0.000 χ^2/NDF:32.8/24

Right Out: -0.000+/-0.000 χ^2/NDF: 29.2/28

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

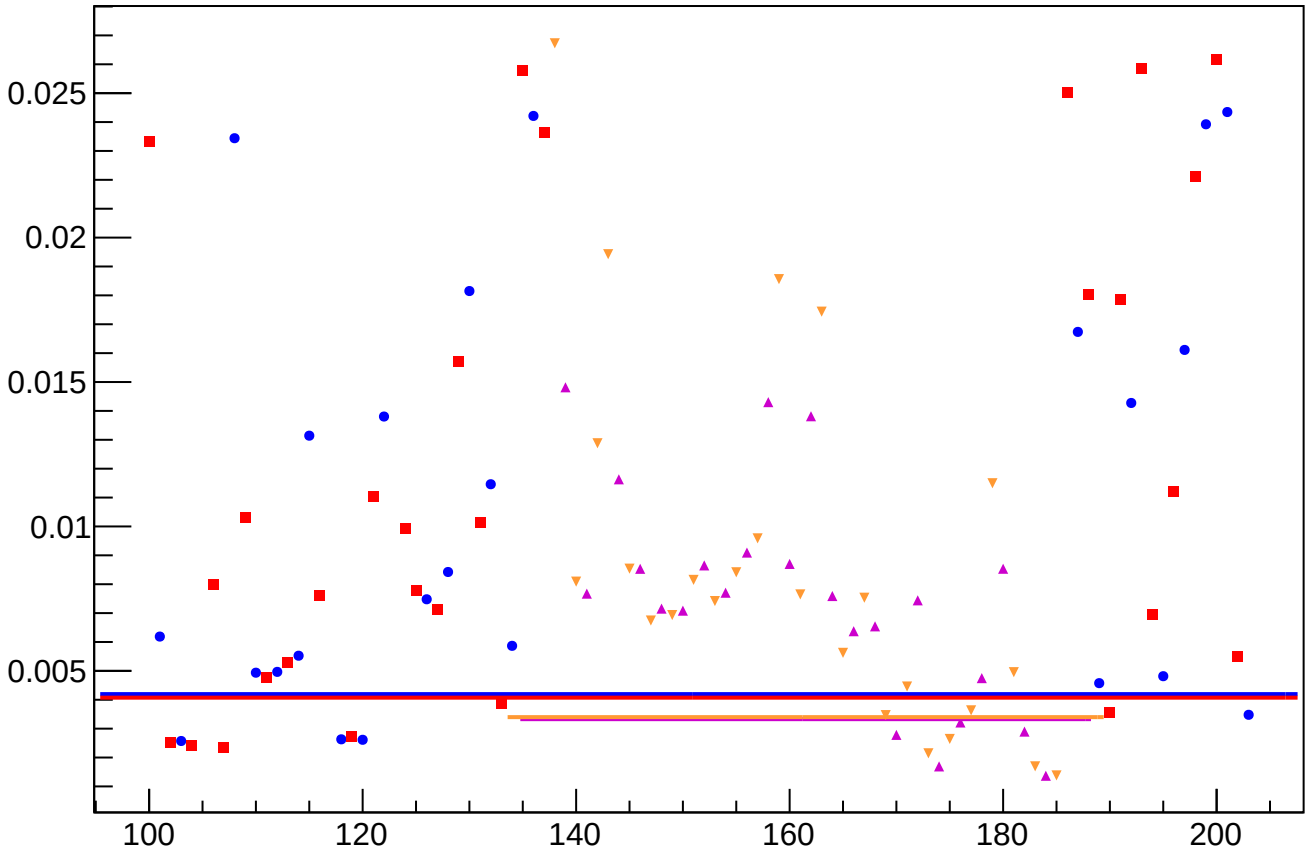
Left: -0.000+/-0.000 χ^2/NDF: 52.7/47

Right: -0.000+/-0.000 χ^2/NDF: 58.6/52

In: -0.000+/-0.000 χ^2/NDF:50.2/46

Out: -0.000+/-0.000 χ^2/NDF:62.0/53

All: -0.000+/-0.000 χ^2/NDF: 112.4/100



Right In: 0.004+/-0.000 χ^2/NDF: 9146079.9/23

Left Out: 0.003+/-0.000 χ^2/NDF:14248948.0/24

Right Out: 0.004+/-0.000 χ^2/NDF: 11155921.0/28

Left In: 0.003+/-0.000 χ^2/NDF:12566501.1/22

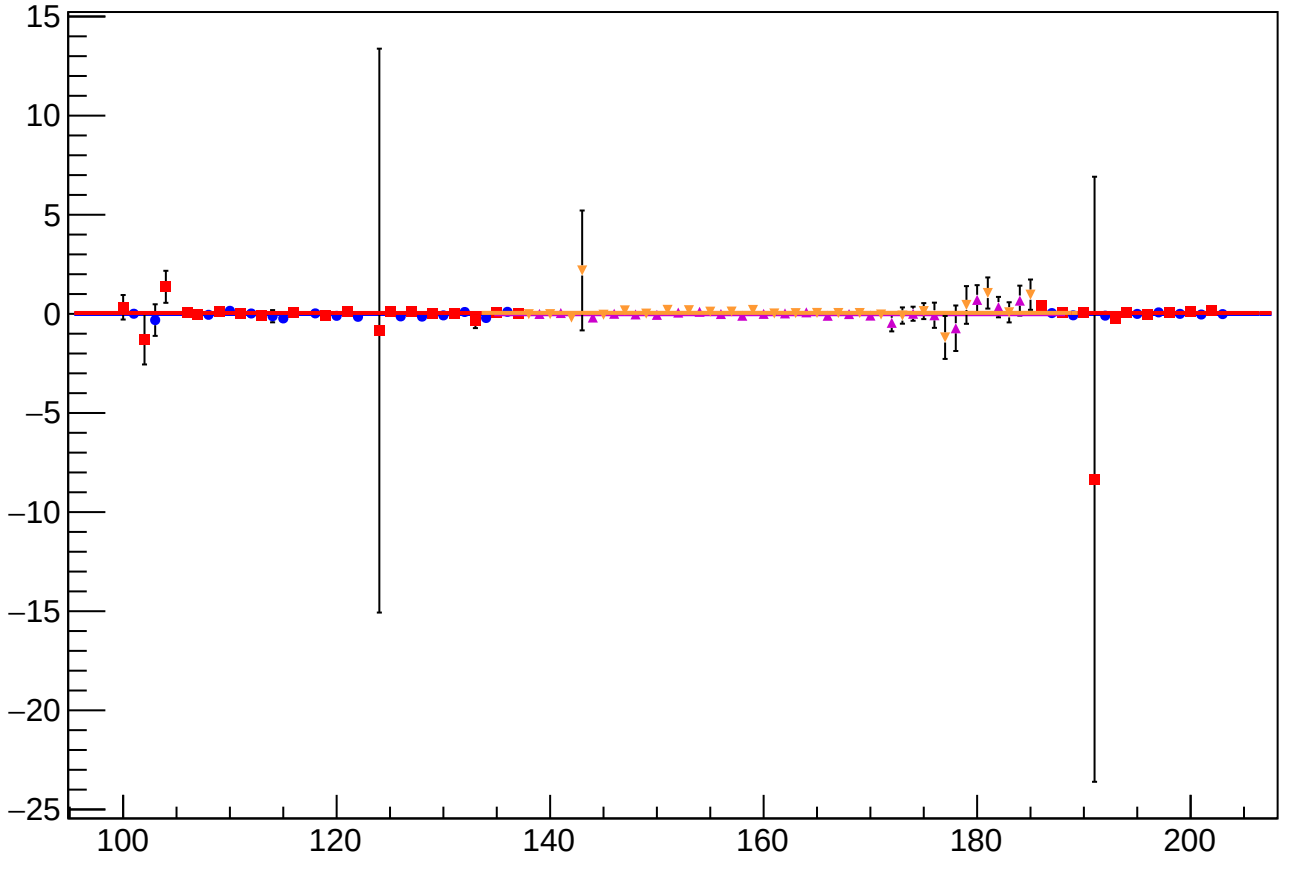
Left: 0.003+/-0.000 χ^2/NDF: 26820032.9/47

Right: 0.004+/-0.000 χ^2/NDF: 20308934.4/52

In: 0.004+/-0.000 χ^2/NDF:22150533.7/46

Out: 0.004+/-0.000 χ^2/NDF:25701207.8/53

All: 0.004+/-0.000 χ^2/NDF: 47852595.3/100



Right In: -0.006+/-0.023 χ^2/NDF: 14.8/23

Left Out: 0.050+/-0.017 χ^2/NDF:24.5/24

Right Out: 0.045+/-0.021 χ^2/NDF: 23.8/28

Left In: -0.019+/-0.017 χ^2/NDF:15.4/22

Left: 0.016+/-0.012 χ^2/NDF: 48.0/47

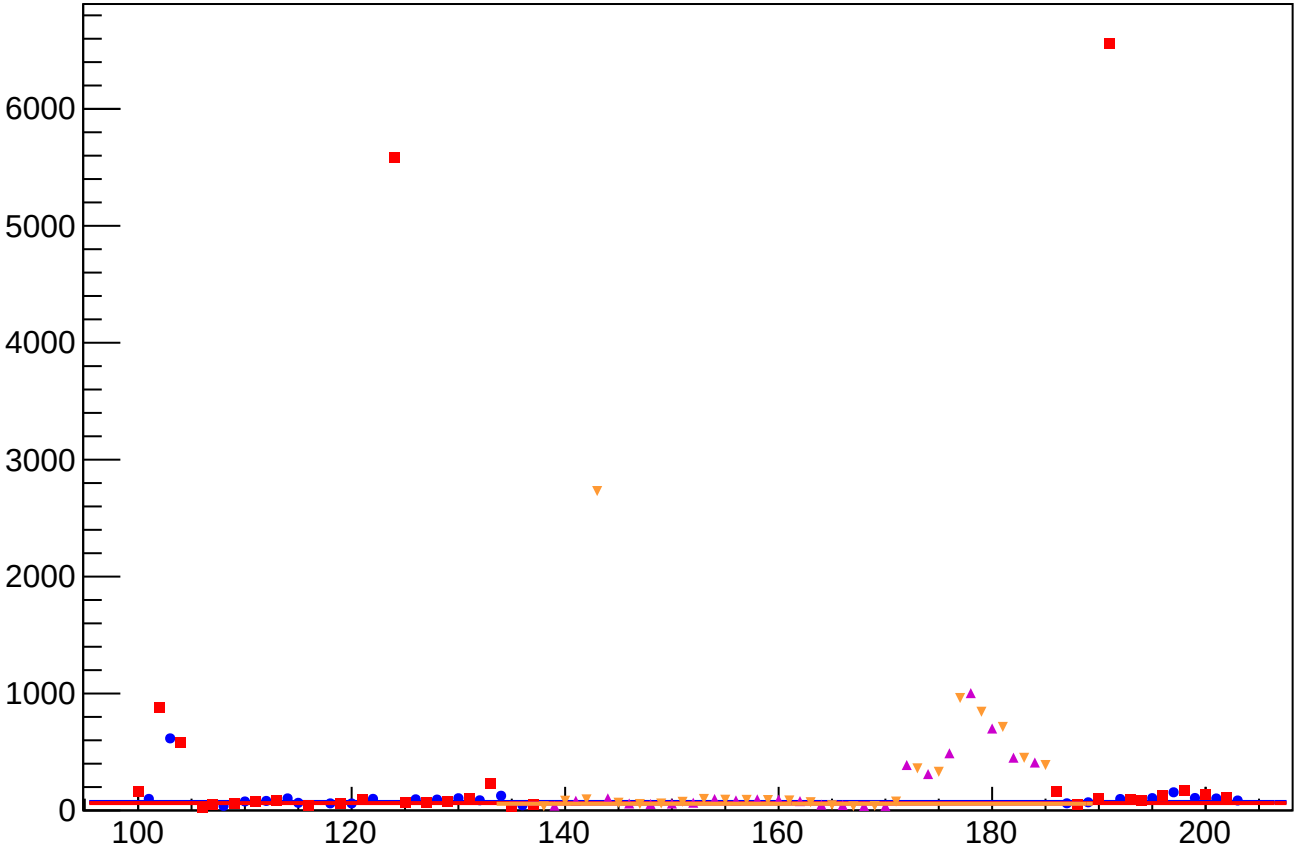
Right: 0.022+/-0.015 χ^2/NDF: 41.4/52

In: -0.014+/-0.014 χ^2/NDF:30.5/46

Out: 0.048+/-0.013 χ^2/NDF:48.3/53

All: 0.018+/-0.009 χ^2/NDF: 89.6/100

asym_at2_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 72.664+/-0.016 χ^2/NDF: 3713589.6/23

Left Out: 57.258+/-0.012 χ^2/NDF:12321763.3/24

Right Out: 63.060+/-0.015 χ^2/NDF: 7101221.9/28

Left In: 58.582+/-0.012 χ^2/NDF:10247153.8/22

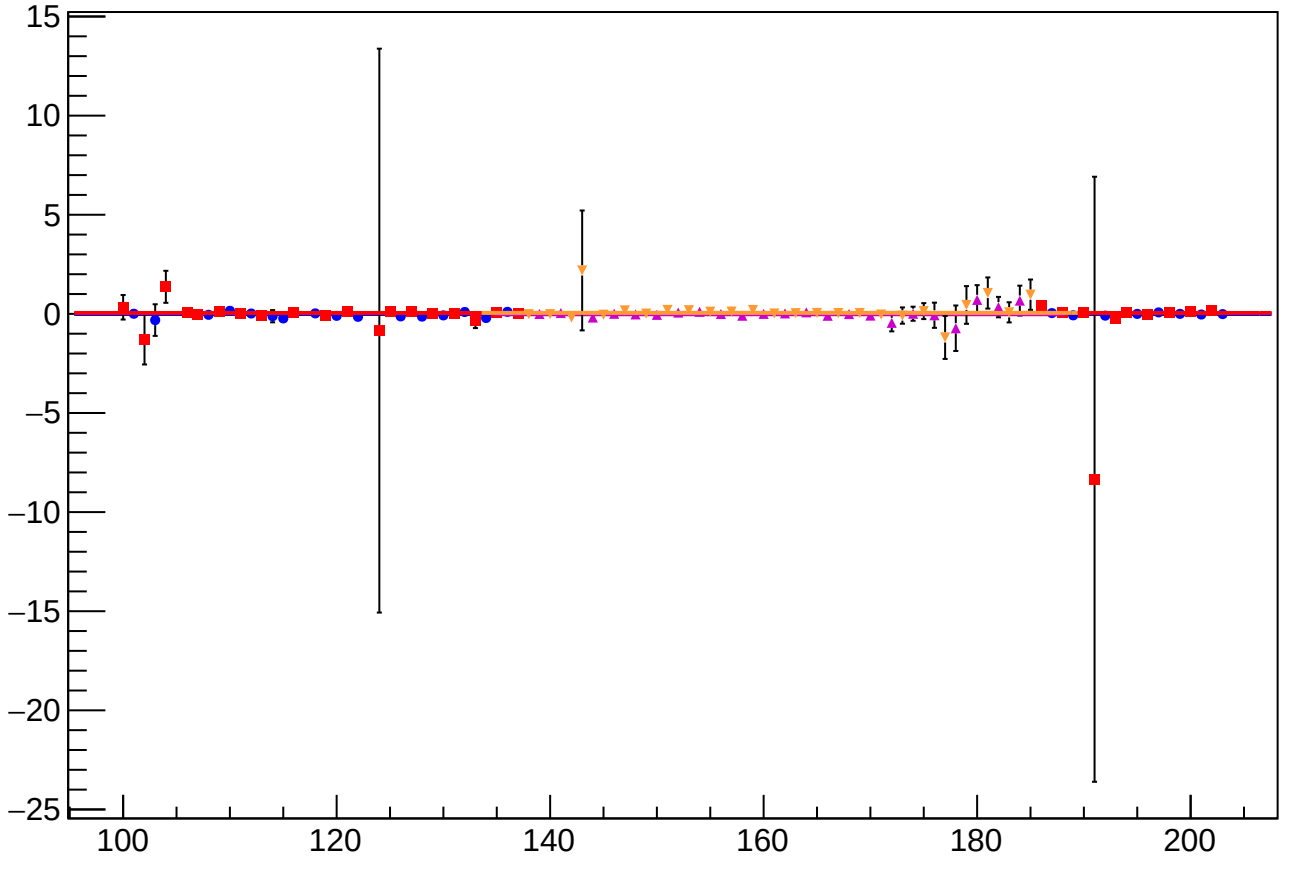
Left: 57.916+/-0.009 χ^2/NDF: 22574928.3/47

Right: 67.384+/-0.011 χ^2/NDF: 11012263.3/52

In: 63.702+/-0.010 χ^2/NDF:14452160.8/46

Out: 59.625+/-0.009 χ^2/NDF:19517726.9/53

All: 61.578+/-0.007 χ^2/NDF: 34062636.0/100



Right In: -0.006+/-0.023 χ^2/NDF: 14.8/23

Left Out: 0.050+/-0.017 χ^2/NDF:24.5/24

Right Out: 0.045+/-0.021 χ^2/NDF: 23.8/28

Left In: -0.019+/-0.017 χ^2/NDF:15.4/22

Left: 0.016+/-0.012 χ^2/NDF: 48.0/47

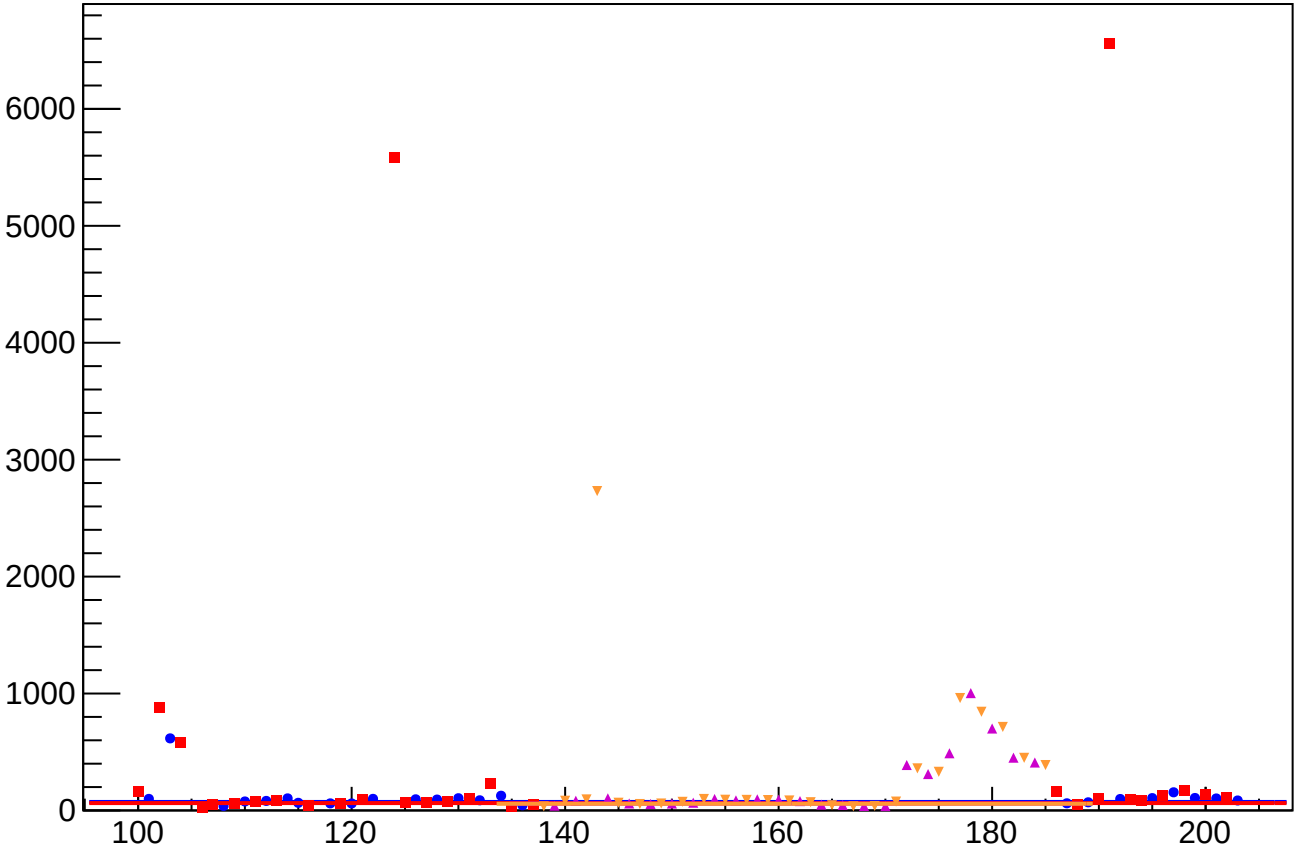
Right: 0.022+/-0.015 χ^2/NDF: 41.4/52

In: -0.014+/-0.014 χ^2/NDF:30.5/46

Out: 0.048+/-0.013 χ^2/NDF:48.3/53

All: 0.018+/-0.009 χ^2/NDF: 89.6/100

asym_at2_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 72.664+/-0.016 χ^2/NDF: 3713589.6/23

Left Out: 57.258+/-0.012 χ^2/NDF:12321763.3/24

Right Out: 63.060+/-0.015 χ^2/NDF: 7101221.9/28

Left In: 58.582+/-0.012 χ^2/NDF:10247153.8/22

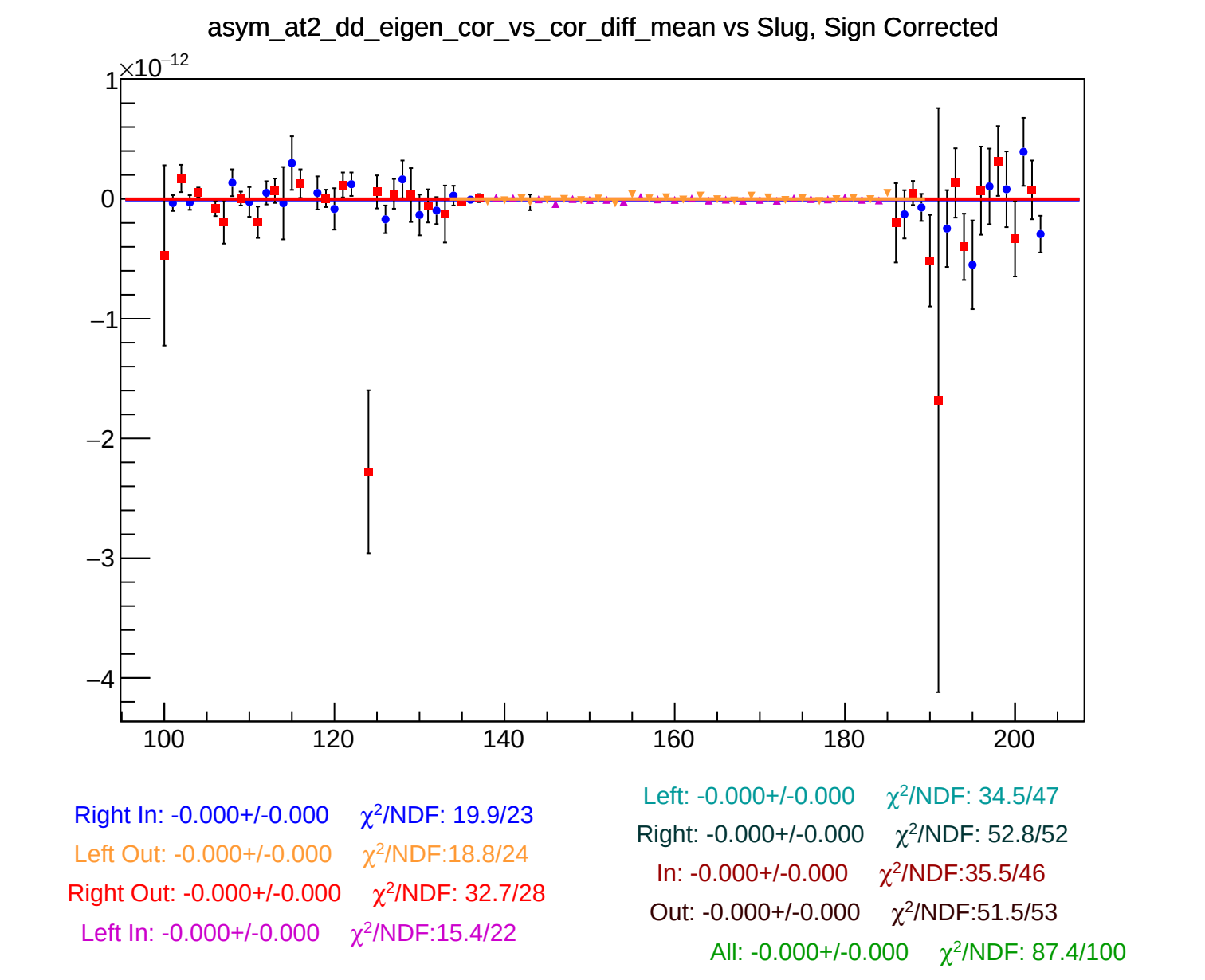
Left: 57.916+/-0.009 χ^2/NDF: 22574928.3/47

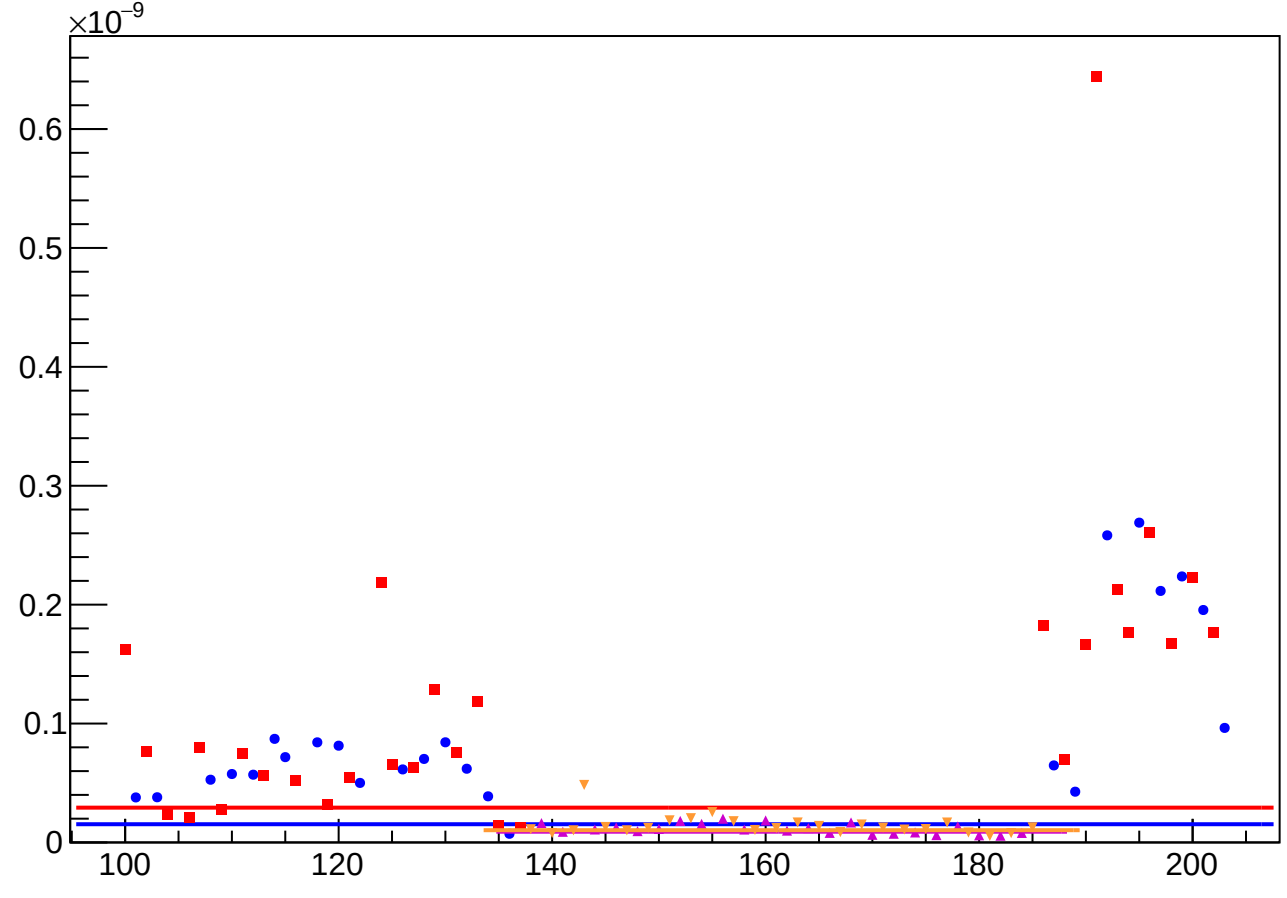
Right: 67.384+/-0.011 χ^2/NDF: 11012263.3/52

In: 63.702+/-0.010 χ^2/NDF:14452160.8/46

Out: 59.625+/-0.009 χ^2/NDF:19517726.9/53

All: 61.578+/-0.007 χ^2/NDF: 34062636.0/100


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: 19.9/23
Left Out: -0.000+/-0.000 χ²/NDF:18.8/24
Right Out: -0.000+/-0.000 χ²/NDF: 32.7/28
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: 52.8/52
In: -0.000+/-0.000 χ²/NDF:35.5/46
Out: -0.000+/-0.000 χ²/NDF:51.5/53
All: -0.000+/-0.000 χ²/NDF: 87.4/100



Right In: 0.000+/-0.000 χ^2/NDF: 10383434.8/23

Left Out: 0.000+/-0.000 χ^2/NDF:3643428.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 8958962.8/28

Left In: 0.000+/-0.000 χ^2/NDF:3047861.1/22

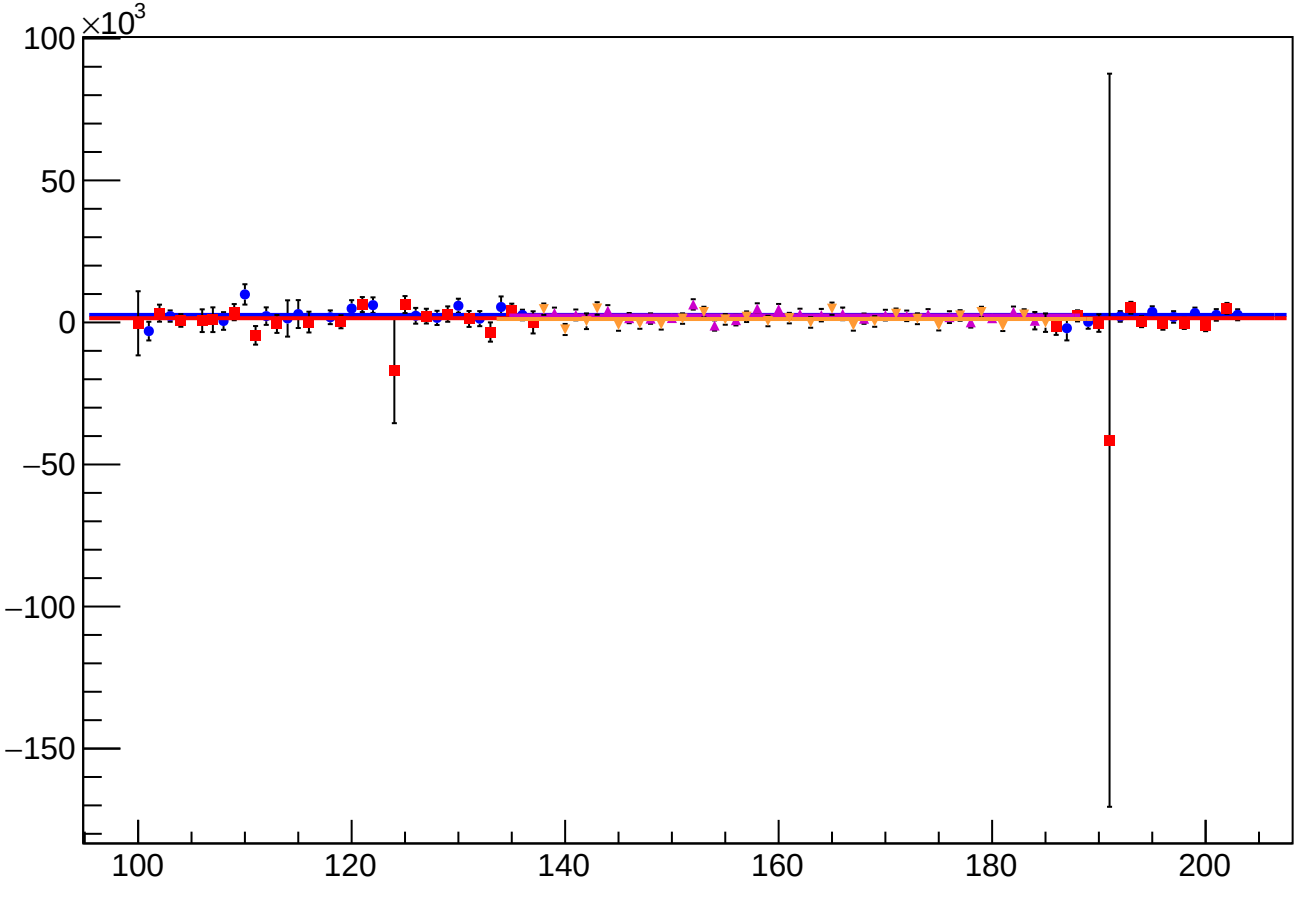
Left: 0.000+/-0.000 χ^2/NDF: 6877548.0/47

Right: 0.000+/-0.000 χ^2/NDF: 20554157.1/52

In: 0.000+/-0.000 χ^2/NDF:14142329.9/46

Out: 0.000+/-0.000 χ^2/NDF:15777266.3/53

All: 0.000+/-0.000 χ^2/NDF: 30229686.8/100



Right In: 2651.556+/-509.915 χ^2/NDF: 15.4/23

Left Out: 1202.401+/-389.137 χ^2/NDF:26.3/24

Right Out: 1488.892+/-500.220 χ^2/NDF: 27.6/28

Left In: 2439.008+/-397.969 χ^2/NDF:17.5/22

Left: 1806.830+/-278.231 χ^2/NDF: 48.7/47

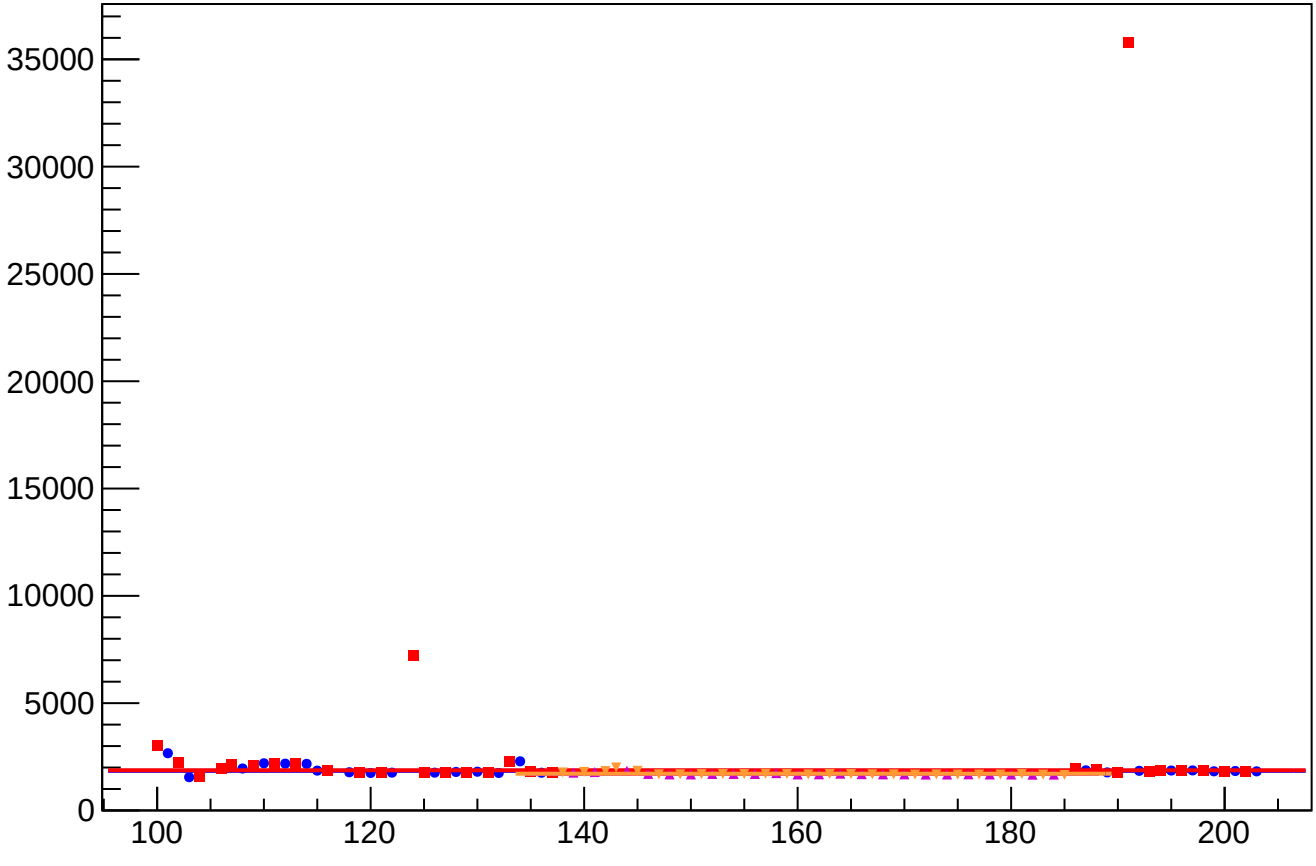
Right: 2059.067+/-357.087 χ^2/NDF: 45.7/52

In: 2519.466+/-313.729 χ^2/NDF:33.0/46

Out: 1310.413+/-307.143 χ^2/NDF:54.1/53

All: 1902.116+/-219.474 χ^2/NDF: 94.7/100

reg_asym_atl1r2_avg_rms vs Slug, Sign Corrected



Right In: 1846.131+/-0.361 χ^2/NDF: 266367.7/23

Left Out: 1711.777+/-0.275 χ^2/NDF:60068.7/24

Right Out: 1871.740+/-0.353 χ^2/NDF: 519770.9/28

Left In: 1703.969+/-0.281 χ^2/NDF:22568.8/22

Left: 1707.960+/-0.197 χ^2/NDF: 83031.0/47

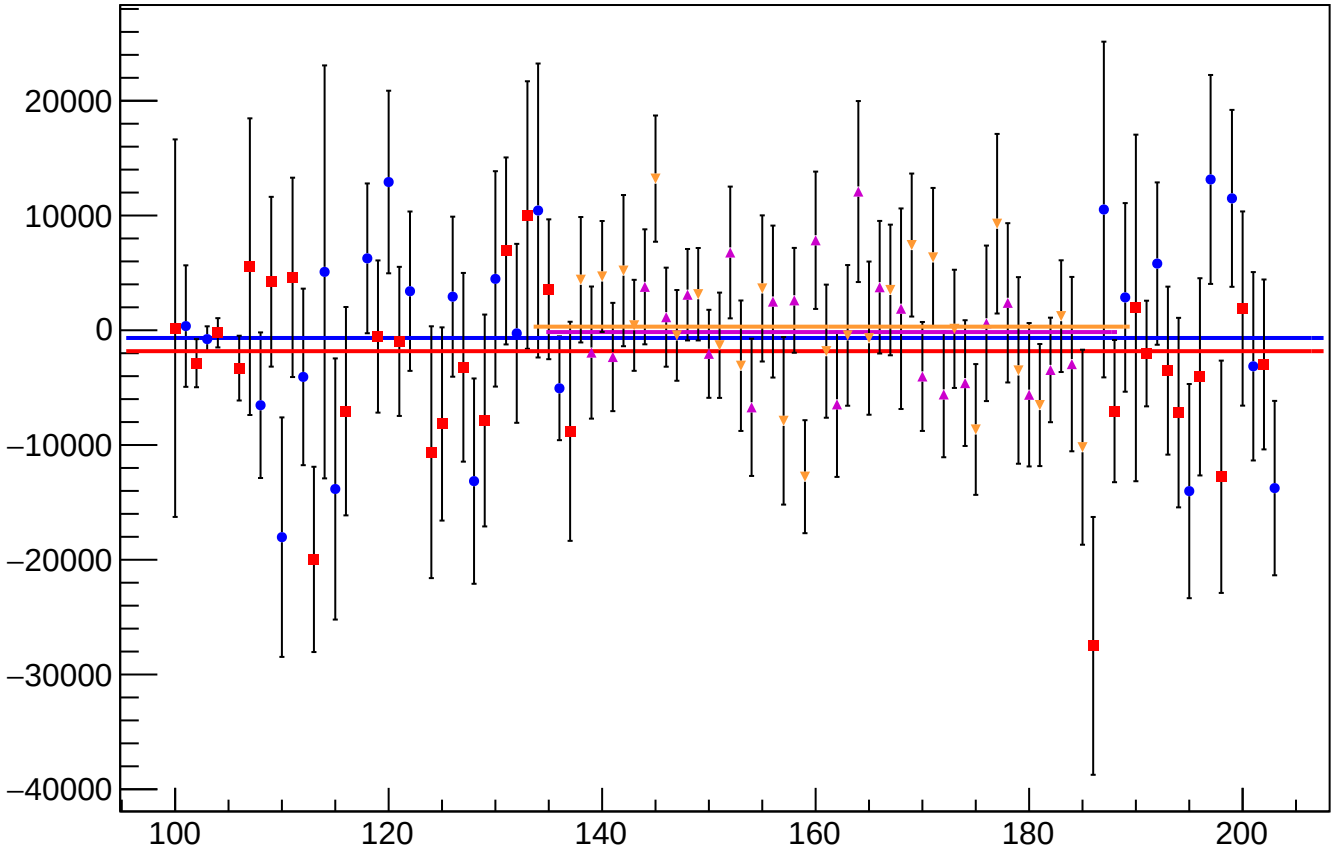
Right: 1859.196+/-0.252 χ^2/NDF: 788712.4/52

In: 1757.783+/-0.222 χ^2/NDF:385544.2/46

Out: 1772.173+/-0.217 χ^2/NDF:707441.8/53

All: 1765.134+/-0.155 χ^2/NDF: 1095135.3/10

asym_atl1r2_avg_reg_correction_mean vs Slug, Sign Corrected



Right In: -672.455+/-916.510 χ^2/NDF: 25.4/23

Left Out: 314.051+/-1091.976 χ^2/NDF:27.0/24

Right Out: -1822.173+/-855.492 χ^2/NDF: 22.2/28

Left In: -157.968+/-1128.443 χ^2/NDF:14.7/22

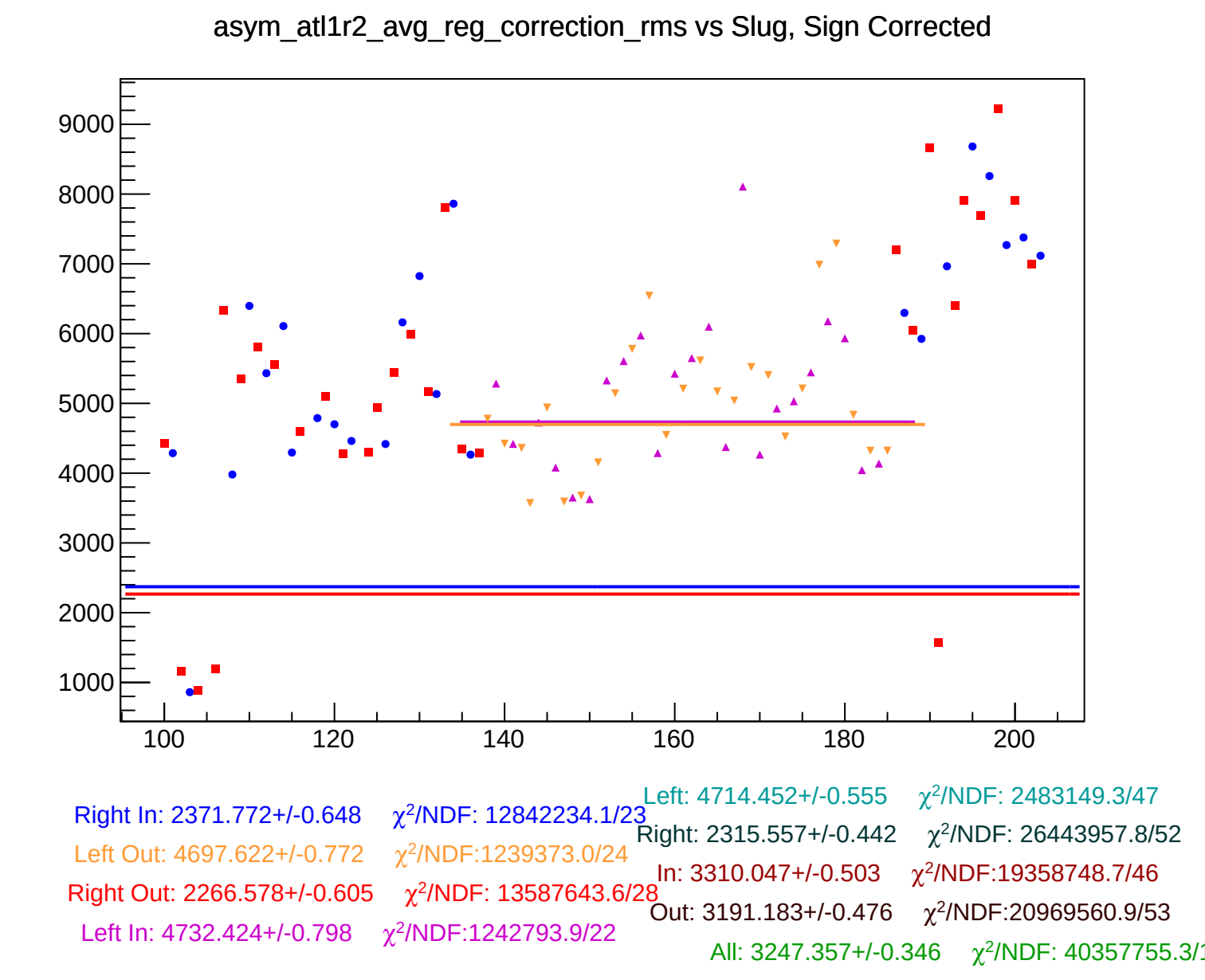
Left: 85.792+/-784.719 χ^2/NDF: 41.8/47

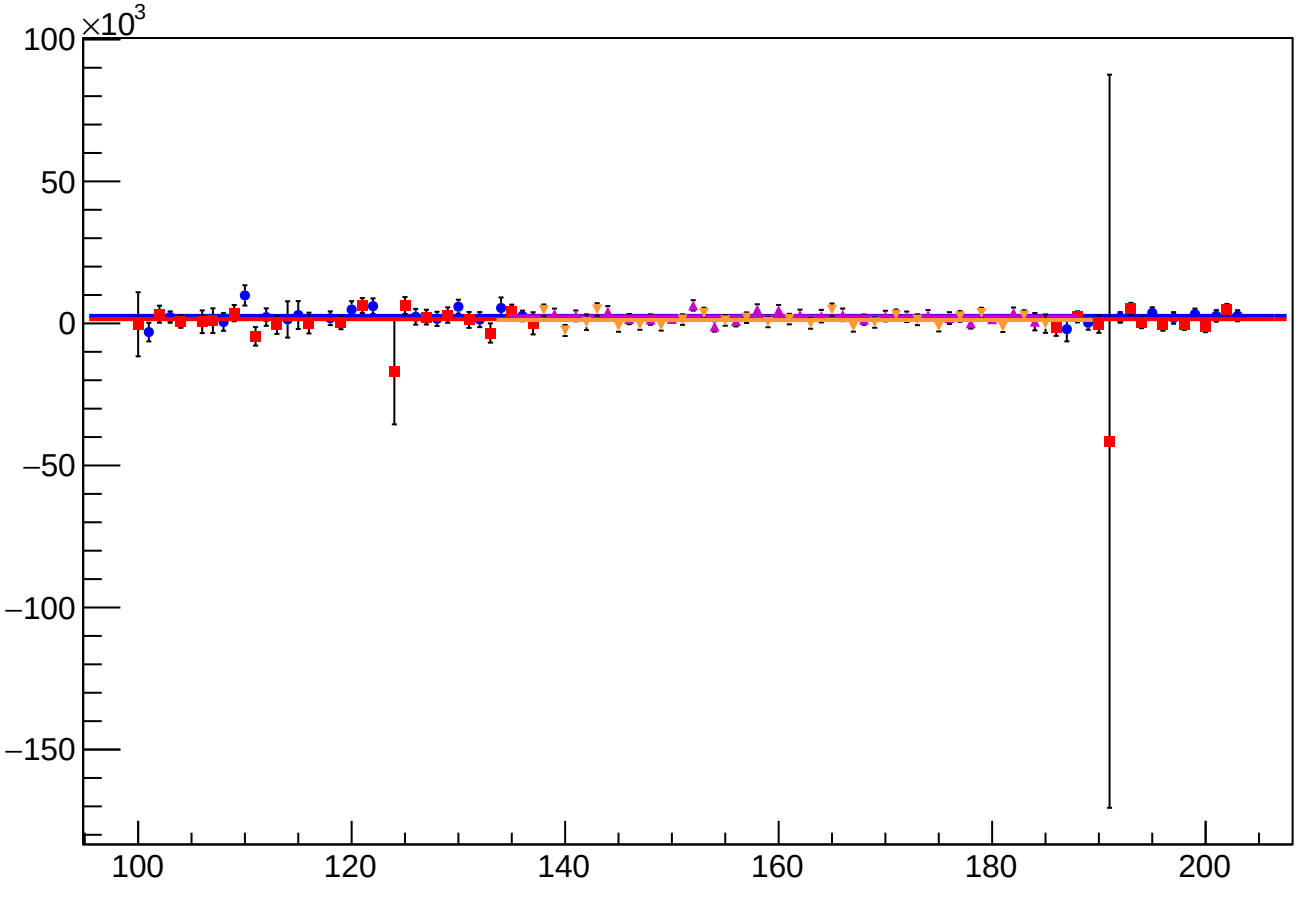
Right: -1286.857+/-625.384 χ^2/NDF: 48.4/52

In: -467.965+/-711.424 χ^2/NDF:40.2/46

Out: -1009.697+/-673.434 χ^2/NDF:51.6/53

All: -753.681+/-489.069 χ^2/NDF: 92.1/100


asym_atl1r2_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: 2371.772+/-0.648 χ²/NDF: 12842234.1/23
Left Out: 4697.622+/-0.772 χ²/NDF:1239373.0/24
Right Out: 2266.578+/-0.605 χ²/NDF: 13587643.6/28
Left In: 4732.424+/-0.798 χ²/NDF:1242793.9/22
Left: 4714.452+/-0.555 χ²/NDF: 2483149.3/47
Right: 2315.557+/-0.442 χ²/NDF: 26443957.8/52
In: 3310.047+/-0.503 χ²/NDF:19358748.7/46
Out: 3191.183+/-0.476 χ²/NDF:20969560.9/53
All: 3247.357+/-0.346 χ²/NDF: 40357755.3/1



Right In: 2651.729+/-509.915 χ^2/NDF: 15.4/23

Left Out: 1202.304+/-389.137 χ^2/NDF:26.3/24

Right Out: 1488.234+/-500.220 χ^2/NDF: 27.6/28

Left In: 2438.940+/-397.969 χ^2/NDF:17.5/22

Left: 1806.747+/-278.231 χ^2/NDF: 48.7/47

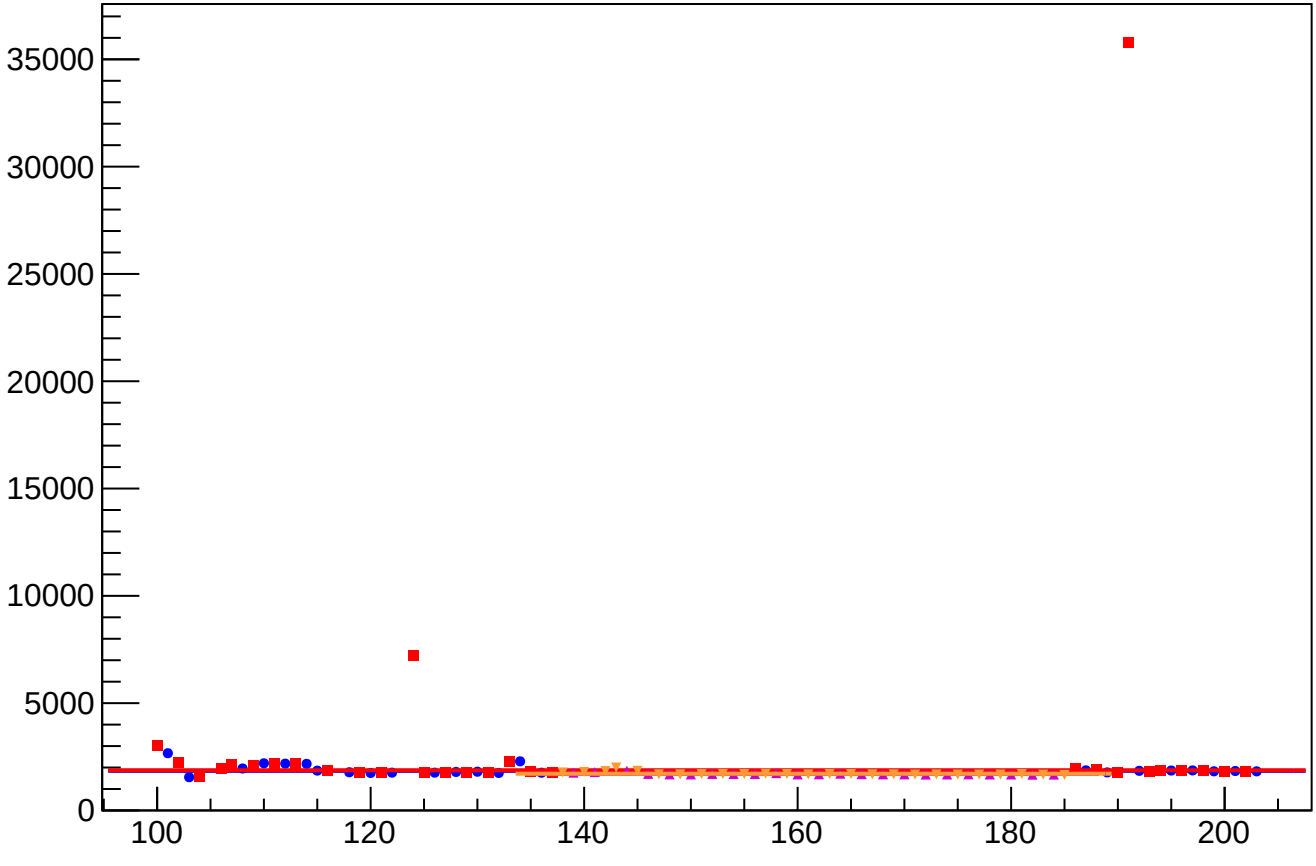
Right: 2058.816+/-357.087 χ^2/NDF: 45.7/52

In: 2519.490+/-313.729 χ^2/NDF:33.0/46

Out: 1310.104+/-307.143 χ^2/NDF:54.2/53

All: 1901.969+/-219.474 χ^2/NDF: 94.7/100

cor_asym_atl1r2_avg_rms vs Slug, Sign Corrected



Right In: 1846.131+/-0.361 χ^2/NDF: 266367.6/23

Left Out: 1711.777+/-0.275 χ^2/NDF:60068.7/24

Right Out: 1871.966+/-0.353 χ^2/NDF: 520084.9/28

Left In: 1703.969+/-0.281 χ^2/NDF:22568.8/22

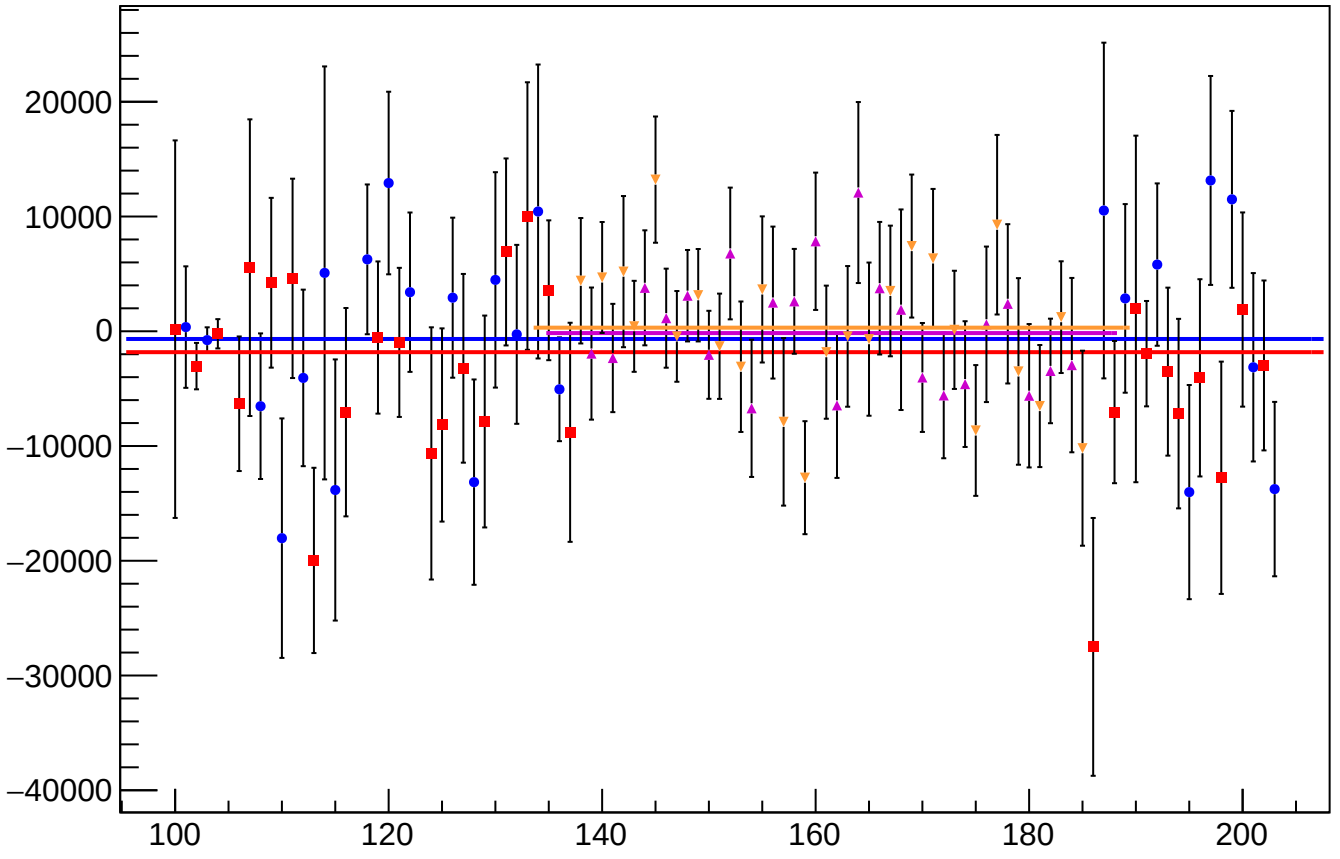
Left: 1707.960+/-0.197 χ^2/NDF: 83031.0/47

Right: 1859.310+/-0.252 χ^2/NDF: 789071.5/52

In: 1757.783+/-0.222 χ^2/NDF:385544.0/46

Out: 1772.250+/-0.217 χ^2/NDF:708097.7/53

All: 1765.173+/-0.155 χ^2/NDF: 1095813.9/10



Right In: -672.014+/-916.464 χ^2/NDF: 25.4/23

Left Out: 314.084+/-1091.975 χ^2/NDF:27.0/24

Right Out: -1821.906+/-881.499 χ^2/NDF: 22.6/28

Left In: -157.977+/-1128.443 χ^2/NDF:14.7/22

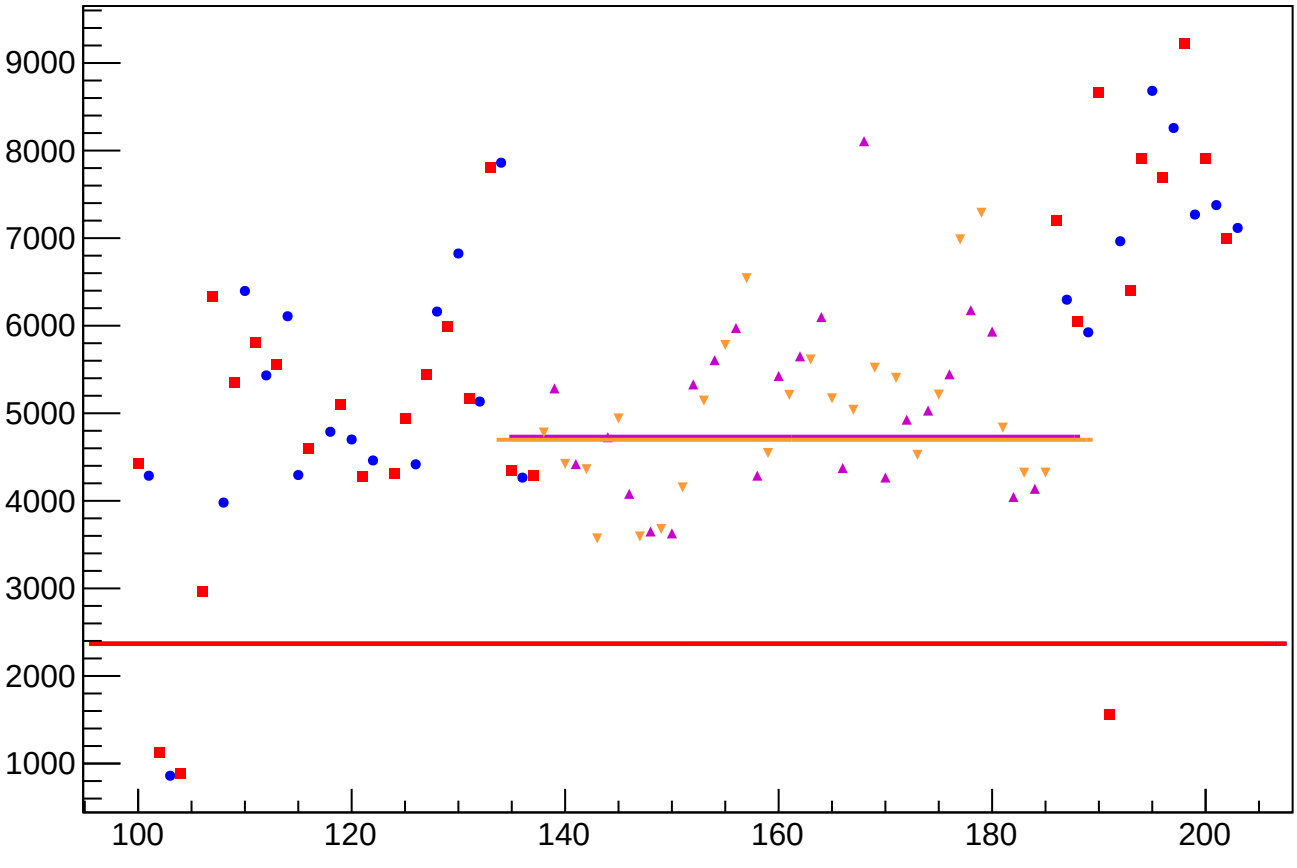
Left: 85.804+/-784.719 χ^2/NDF: 41.8/47

Right: -1269.314+/-635.315 χ^2/NDF: 48.8/52

In: -467.715+/-711.403 χ^2/NDF:40.2/46

Out: -979.158+/-685.902 χ^2/NDF:52.0/53

All: -732.767+/-493.775 χ^2/NDF: 92.5/100



Right In: 2371.583+/-0.648 χ^2/NDF: 12843053.7/23

Left Out: 4697.618+/-0.772 χ^2/NDF:1239387.1/24

Right Out: 2365.286+/-0.623 χ^2/NDF: 13385038.5/28

Left In: 4732.421+/-0.798 χ^2/NDF:1242809.3/22

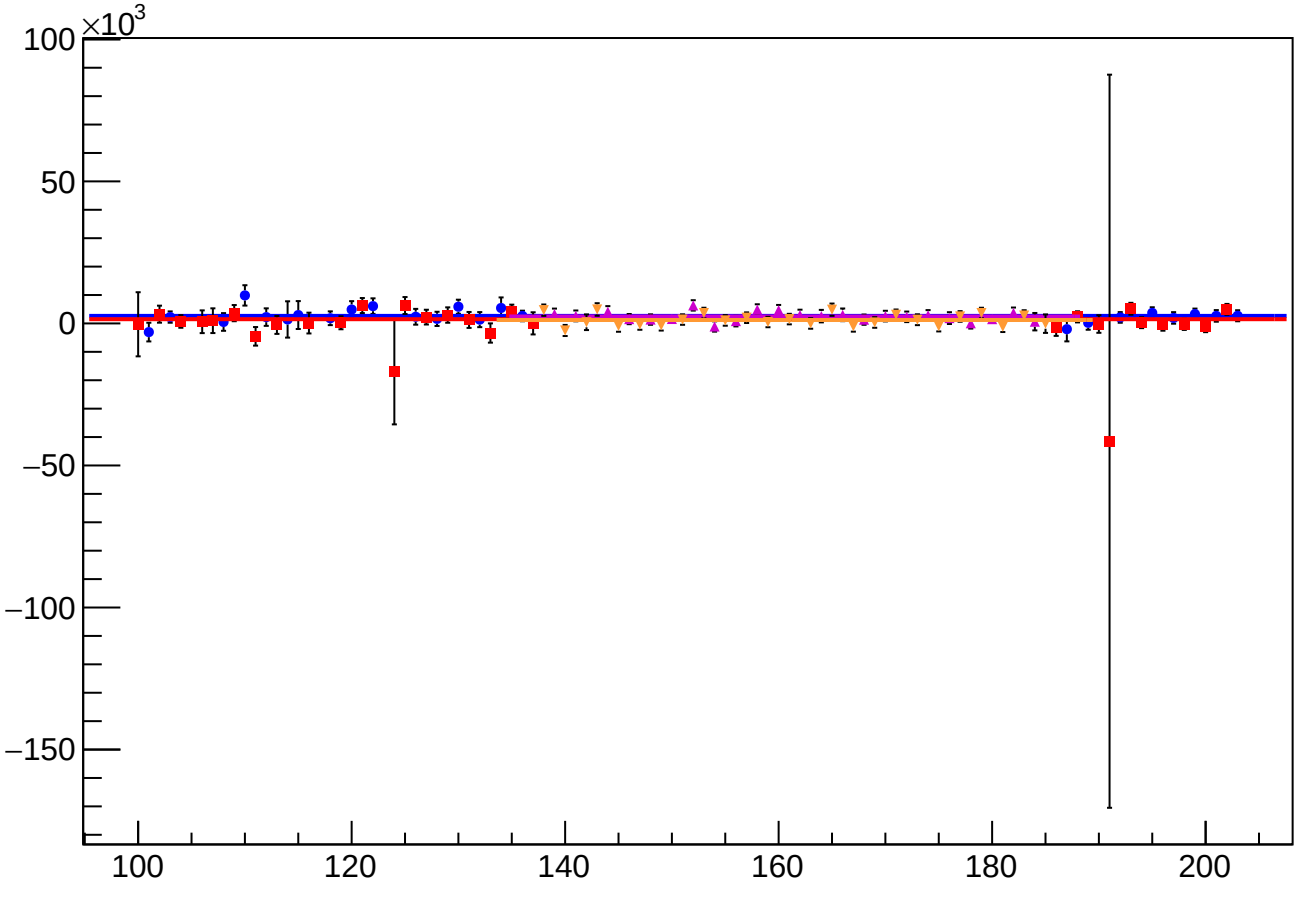
Left: 4714.448+/-0.555 χ^2/NDF: 2483178.9/47

Right: 2368.312+/-0.449 χ^2/NDF: 26228141.2/52

In: 3309.875+/-0.503 χ^2/NDF:19360630.5/46

Out: 3285.500+/-0.485 χ^2/NDF:20148580.8/53

All: 3297.243+/-0.349 χ^2/NDF: 39510428.1/1



Right In: 2651.729+/-509.915 χ^2/NDF: 15.4/23

Left Out: 1202.304+/-389.137 χ^2/NDF:26.3/24

Right Out: 1488.234+/-500.220 χ^2/NDF: 27.6/28

Left In: 2438.940+/-397.969 χ^2/NDF:17.5/22

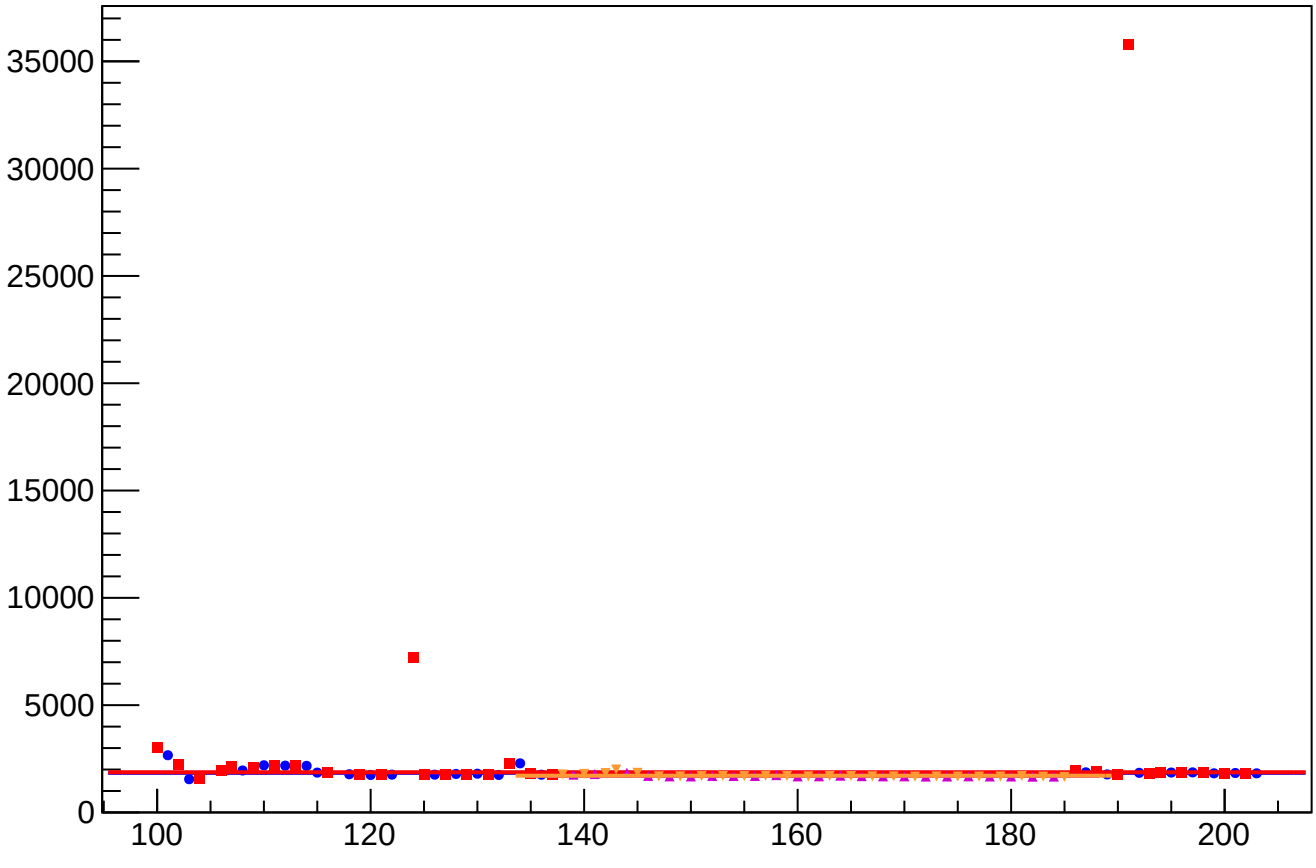
Left: 1806.747+/-278.231 χ^2/NDF: 48.7/47

Right: 2058.816+/-357.087 χ^2/NDF: 45.7/52

In: 2519.490+/-313.729 χ^2/NDF:33.0/46

Out: 1310.104+/-307.143 χ^2/NDF:54.2/53

All: 1901.969+/-219.474 χ^2/NDF: 94.7/100



Right In: 1846.131+/-0.361 χ^2/NDF: 266367.6/23

Left Out: 1711.777+/-0.275 χ^2/NDF:60068.7/24

Right Out: 1871.966+/-0.353 χ^2/NDF: 520084.9/28

Left In: 1703.969+/-0.281 χ^2/NDF:22568.8/22

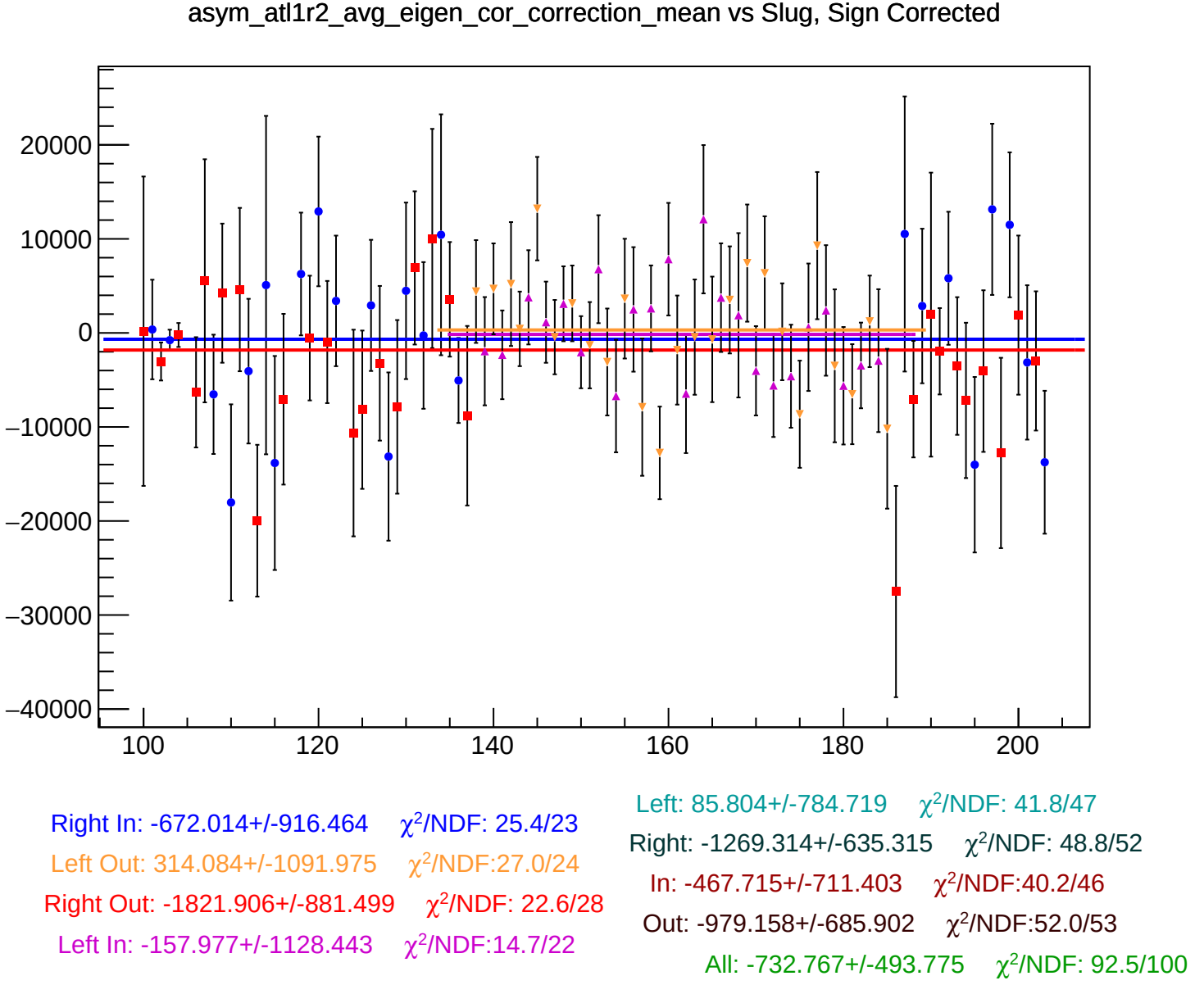
Left: 1707.960+/-0.197 χ^2/NDF: 83031.0/47

Right: 1859.310+/-0.252 χ^2/NDF: 789071.5/52

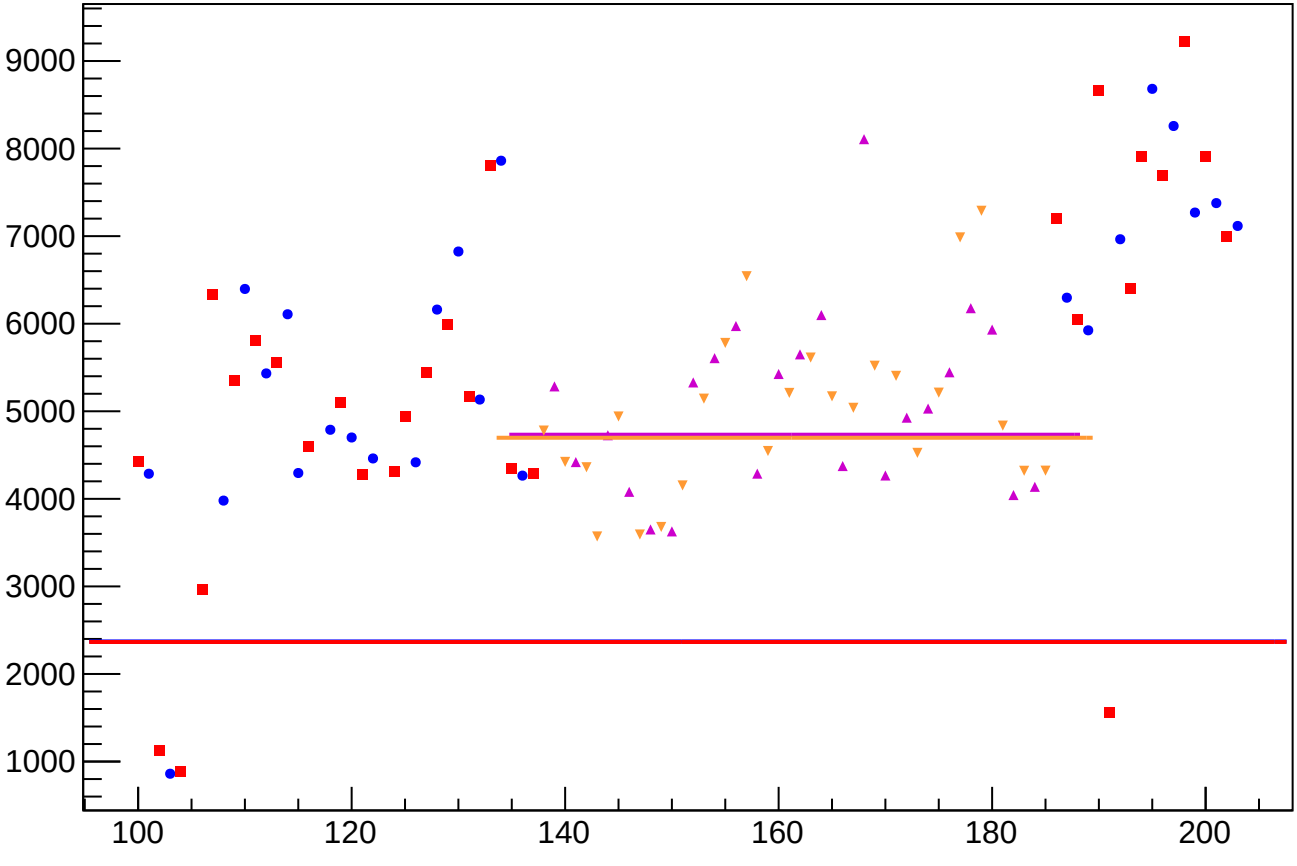
In: 1757.783+/-0.222 χ^2/NDF:385544.0/46

Out: 1772.250+/-0.217 χ^2/NDF:708097.7/53

All: 1765.173+/-0.155 χ^2/NDF: 1095813.9/10


asym_atl1r2_avg_eigen_cor_correction_mean vs Slug, Sign Corrected
20000
10000
0
−10000
−20000
−30000
−40000
100
120
140
160
180
200
Right In: -672.014+/-916.464 χ²/NDF: 25.4/23
Left Out: 314.084+/-1091.975 χ²/NDF:27.0/24
Right Out: -1821.906+/-881.499 χ²/NDF: 22.6/28
Left In: -157.977+/-1128.443 χ²/NDF:14.7/22
Left: 85.804+/-784.719 χ²/NDF: 41.8/47
Right: -1269.314+/-635.315 χ²/NDF: 48.8/52
In: -467.715+/-711.403 χ²/NDF:40.2/46
Out: -979.158+/-685.902 χ²/NDF:52.0/53
All: -732.767+/-493.775 χ²/NDF: 92.5/100

asym_atl1r2_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 2371.583+/-0.648 χ^2/NDF: 12843053.7/23

Left Out: 4697.618+/-0.772 χ^2/NDF:1239387.1/24

Right Out: 2365.286+/-0.623 χ^2/NDF: 13385038.5/28

Left In: 4732.421+/-0.798 χ^2/NDF:1242809.3/22

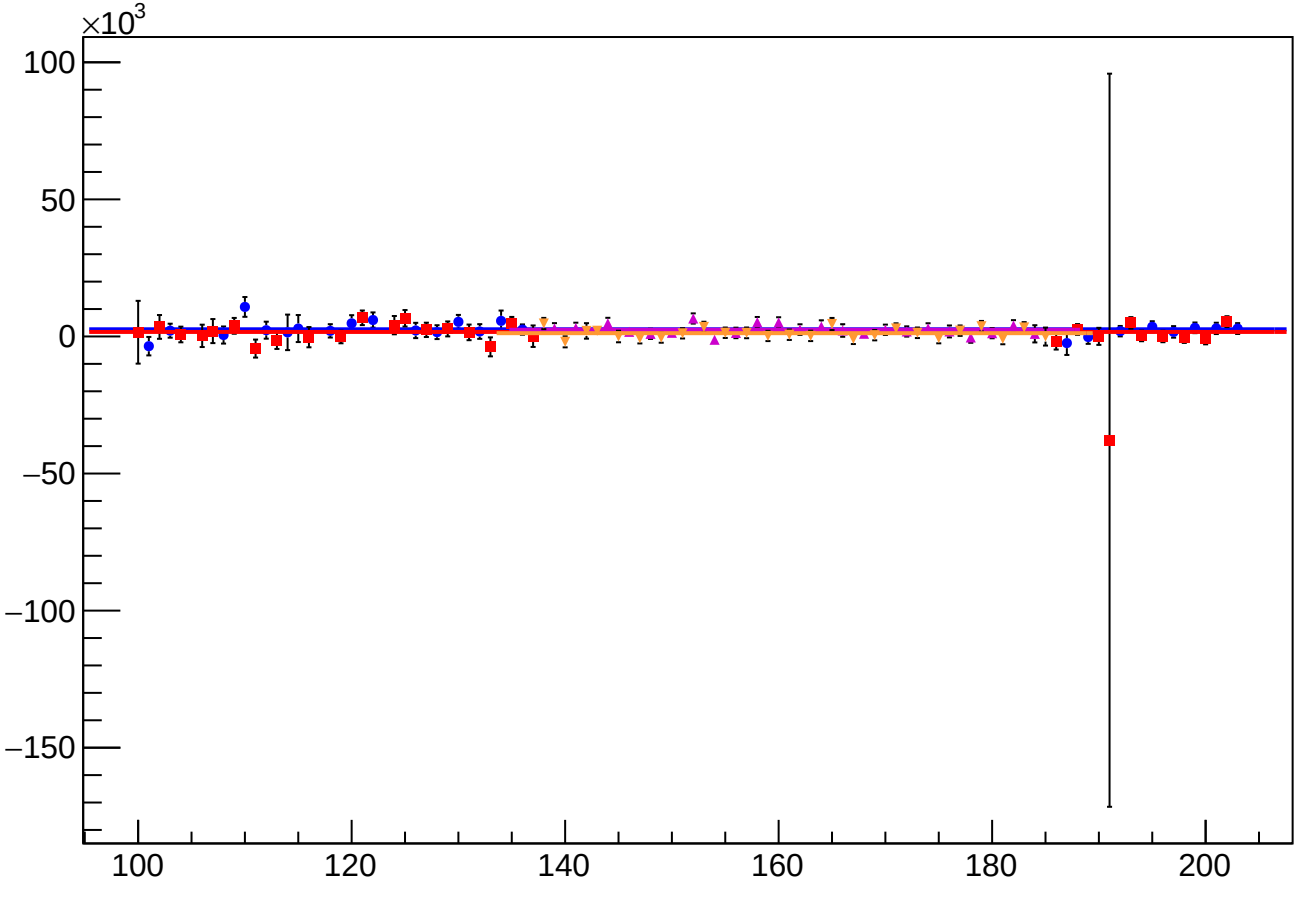
Left: 4714.448+/-0.555 χ^2/NDF: 2483178.9/47

Right: 2368.312+/-0.449 χ^2/NDF: 26228141.2/52

In: 3309.875+/-0.503 χ^2/NDF:19360630.5/46

Out: 3285.500+/-0.485 χ^2/NDF:20148580.8/53

All: 3297.243+/-0.349 χ^2/NDF: 39510428.1/1



Right In: 2612.852+/-522.961 χ^2/NDF: 16.5/23

Left Out: 1197.362+/-392.981 χ^2/NDF:19.5/24

Right Out: 1648.181+/-509.081 χ^2/NDF: 29.1/28

Left In: 2438.062+/-407.551 χ^2/NDF:20.6/22

Left: 1795.138+/-282.890 χ^2/NDF: 44.9/47

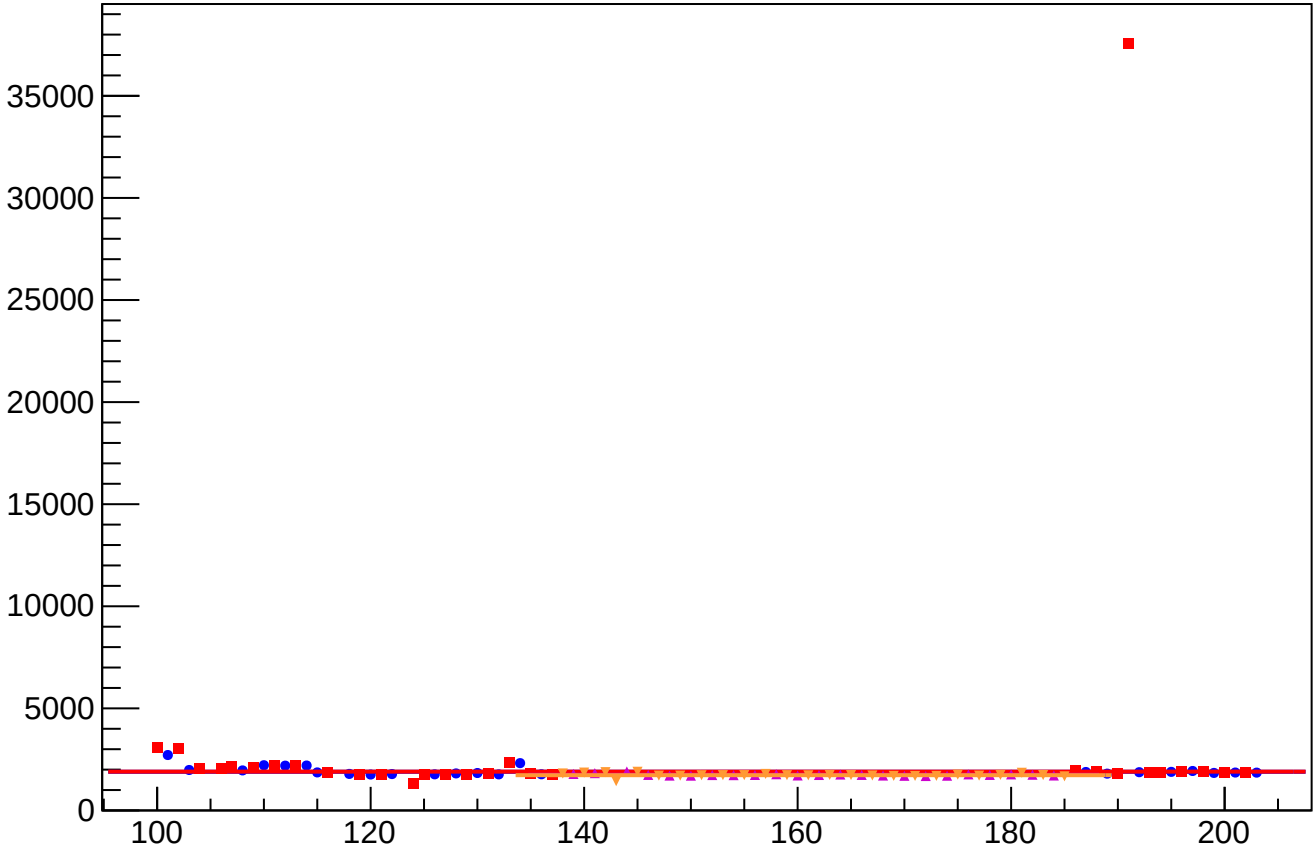
Right: 2117.545+/-364.783 χ^2/NDF: 47.4/52

In: 2504.107+/-321.462 χ^2/NDF:37.1/46

Out: 1365.694+/-311.078 χ^2/NDF:49.1/53

All: 1916.217+/-223.546 χ^2/NDF: 92.7/100

dit_asym_atl1r2_avg_rms vs Slug, Sign Corrected



Right In: 1894.147+/-0.370 χ^2/NDF: 224637.9/23

Left Out: 1727.235+/-0.278 χ^2/NDF:110270.9/24

Right Out: 1901.439+/-0.360 χ^2/NDF: 500397.3/28

Left In: 1744.633+/-0.288 χ^2/NDF:26798.0/22

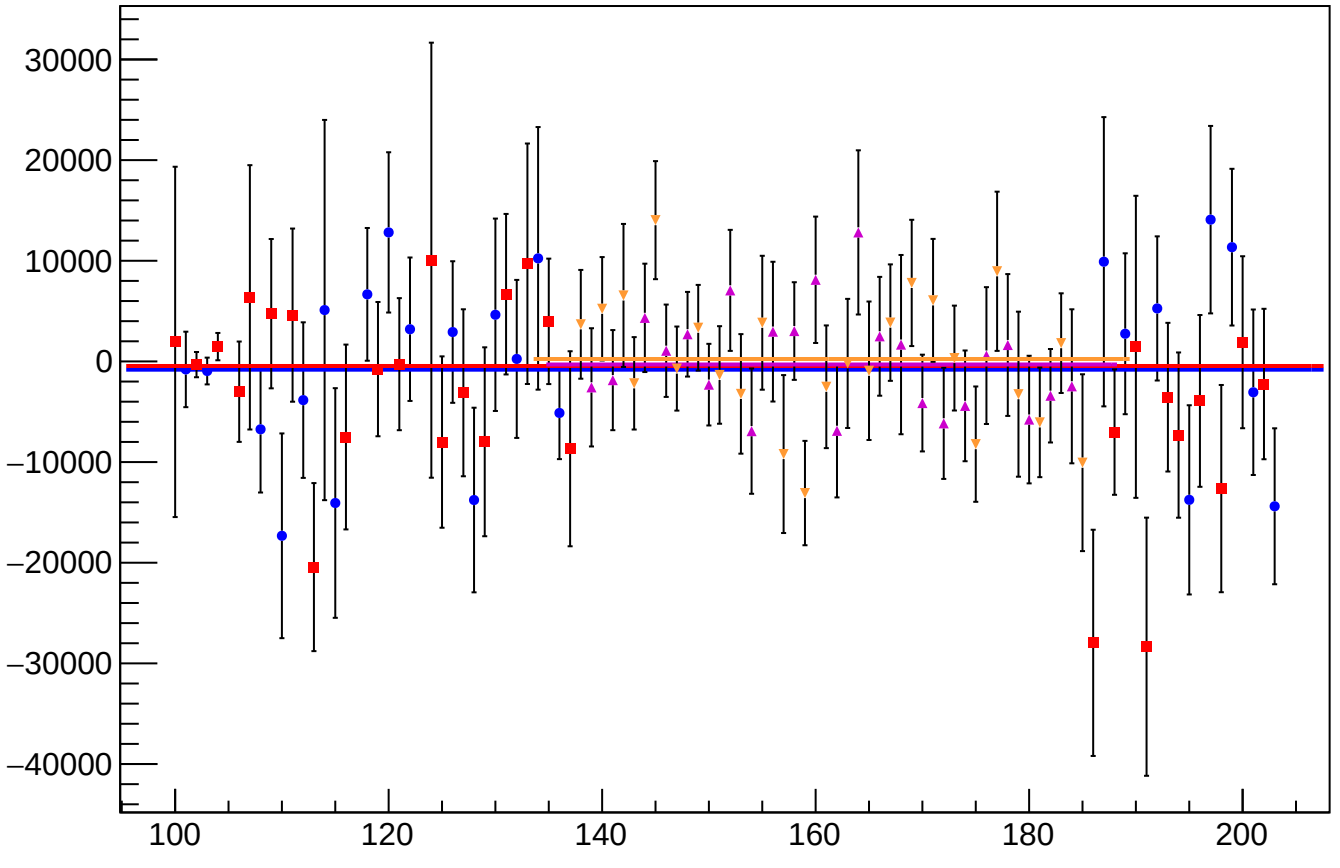
Left: 1735.617+/-0.200 χ^2/NDF: 138957.4/47

Right: 1897.892+/-0.258 χ^2/NDF: 725235.0/52

In: 1801.127+/-0.227 χ^2/NDF:353142.2/46

Out: 1792.315+/-0.220 χ^2/NDF:757489.9/53

All: 1796.575+/-0.158 χ^2/NDF: 1111408.3/10



Right In: -819.501+/-1009.984 χ^2/NDF: 25.4/23

Left Out: 241.131+/-1140.961 χ^2/NDF:26.7/24

Right Out: -453.430+/-799.574 χ^2/NDF: 28.7/28

Left In: -306.106+/-1171.019 χ^2/NDF:14.5/22

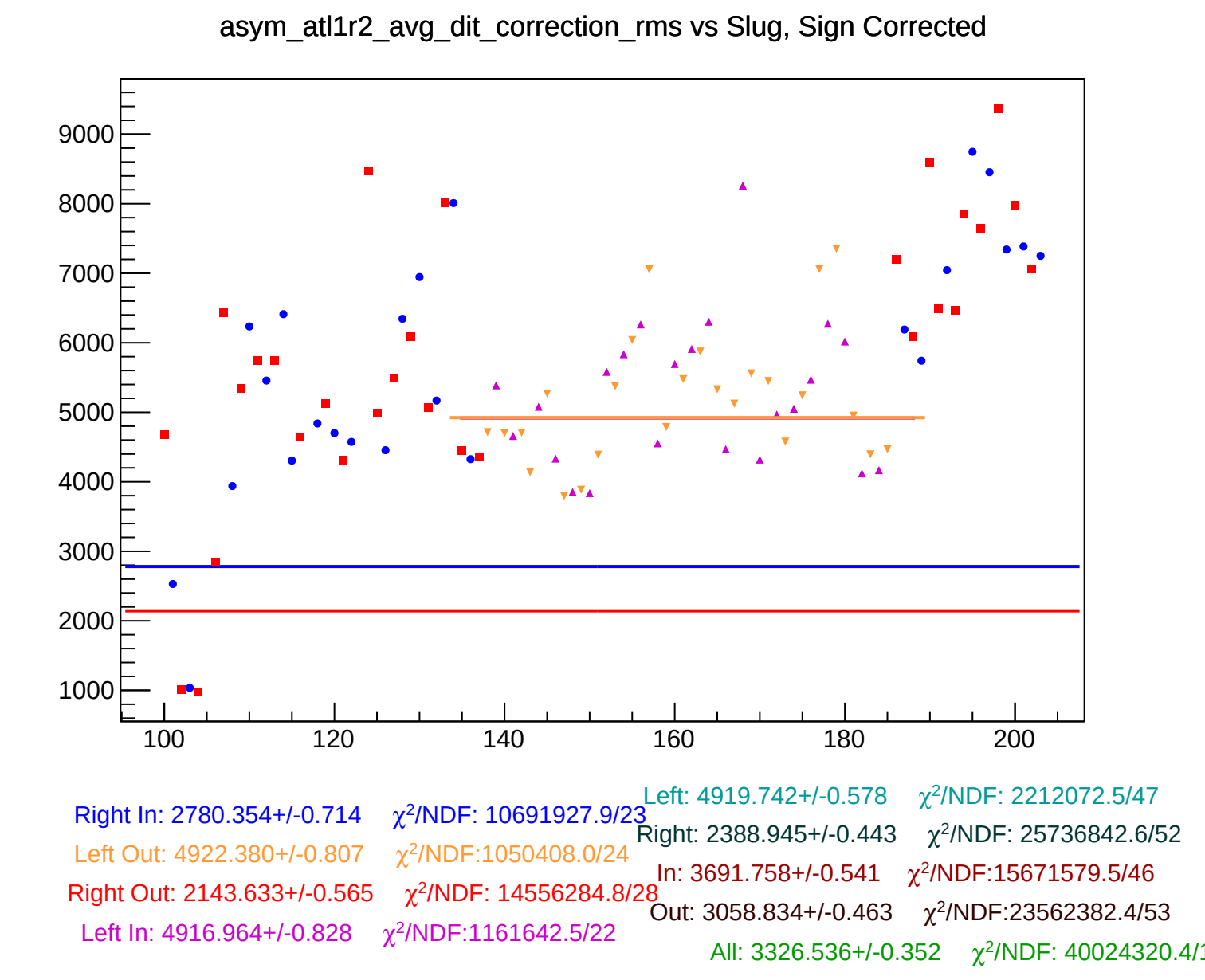
Left: -25.374+/-817.201 χ^2/NDF: 41.3/47

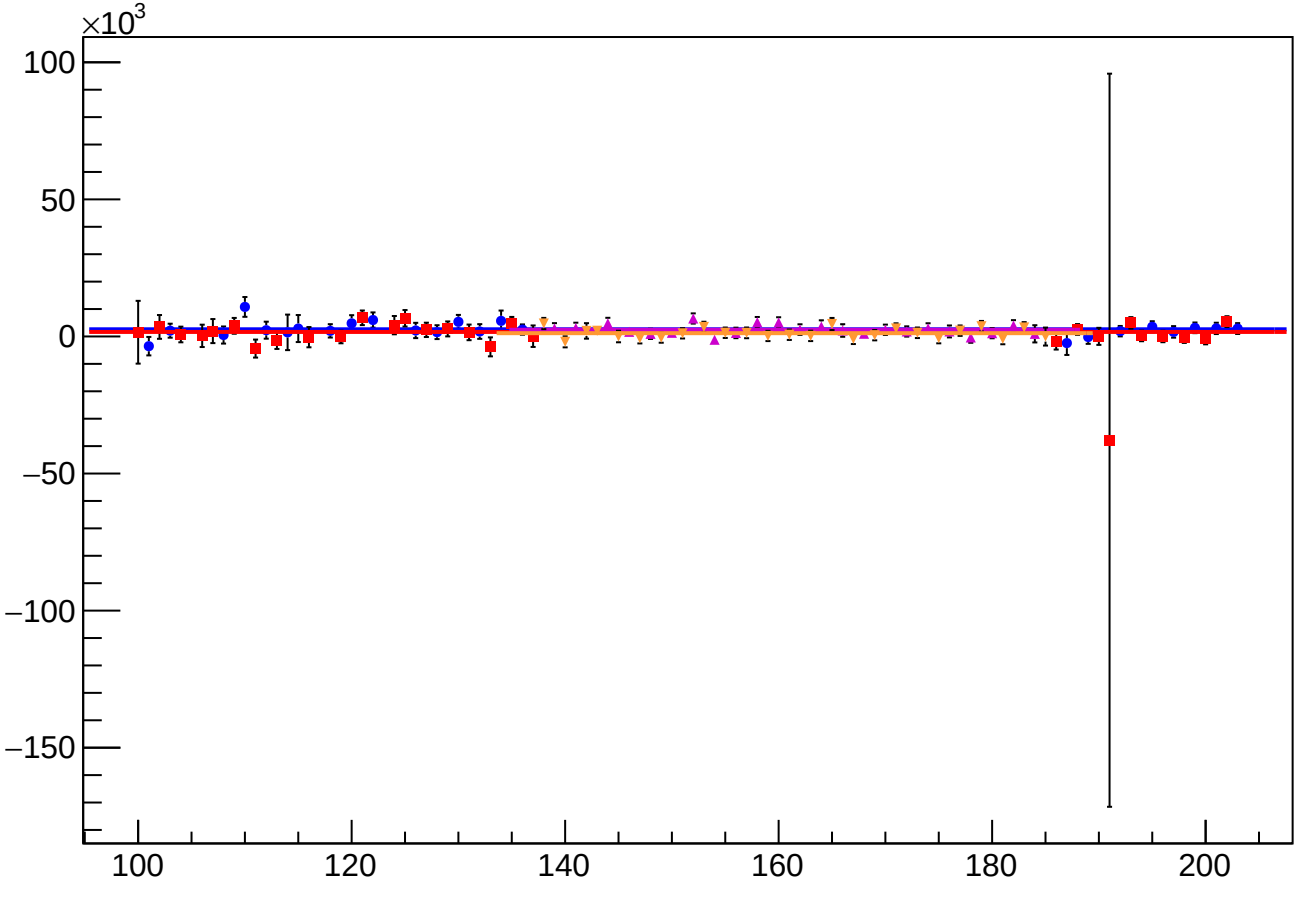
Right: -594.468+/-626.902 χ^2/NDF: 54.2/52

In: -600.505+/-764.815 χ^2/NDF:40.0/46

Out: -224.671+/-654.794 χ^2/NDF:55.6/53

All: -383.634+/-497.401 χ^2/NDF: 95.8/100


asym_atl1r2_avg_dit_correction_rms vs Slug, Sign Corrected
9000
8000
7000
6000
5000
4000
3000
2000
1000
100
120
140
160
180
200
Right In: 2780.354+/-0.714 χ²/NDF: 10691927.9/23
Left Out: 4922.380+/-0.807 χ²/NDF:1050408.0/24
Right Out: 2143.633+/-0.565 χ²/NDF: 14556284.8/28
Left In: 4916.964+/-0.828 χ²/NDF:1161642.5/22
Left: 4919.742+/-0.578 χ²/NDF: 2212072.5/47
Right: 2388.945+/-0.443 χ²/NDF: 25736842.6/52
In: 3691.758+/-0.541 χ²/NDF:15671579.5/46
Out: 3058.834+/-0.463 χ²/NDF:23562382.4/53
All: 3326.536+/-0.352 χ²/NDF: 40024320.4/



Right In: 2612.850+/-522.961 χ^2/NDF: 16.5/23

Left Out: 1197.356+/-392.981 χ^2/NDF:19.5/24

Right Out: 1648.181+/-509.081 χ^2/NDF: 29.1/28

Left In: 2438.062+/-407.552 χ^2/NDF:20.6/22

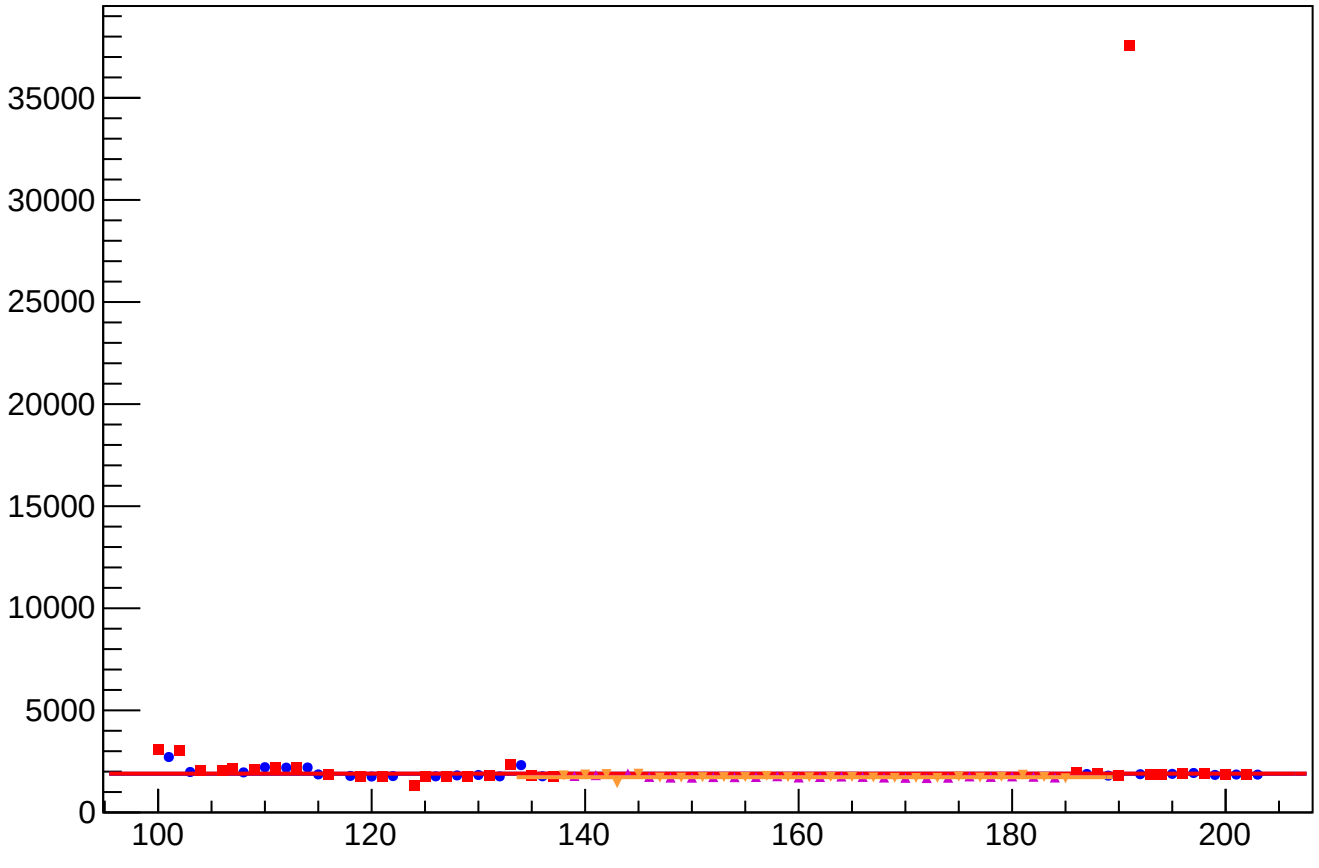
Left: 1795.135+/-282.891 χ^2/NDF: 44.9/47

Right: 2117.544+/-364.783 χ^2/NDF: 47.4/52

In: 2504.106+/-321.462 χ^2/NDF:37.1/46

Out: 1365.690+/-311.078 χ^2/NDF:49.1/53

All: 1916.215+/-223.546 χ^2/NDF: 92.7/100



Right In: 1894.146+/-0.370 χ^2/NDF: 224637.9/23

Left Out: 1727.236+/-0.278 χ^2/NDF:110269.9/24

Right Out: 1901.439+/-0.360 χ^2/NDF: 500396.1/28

Left In: 1744.633+/-0.288 χ^2/NDF:26798.0/22

Left: 1735.618+/-0.200 χ^2/NDF: 138956.4/47

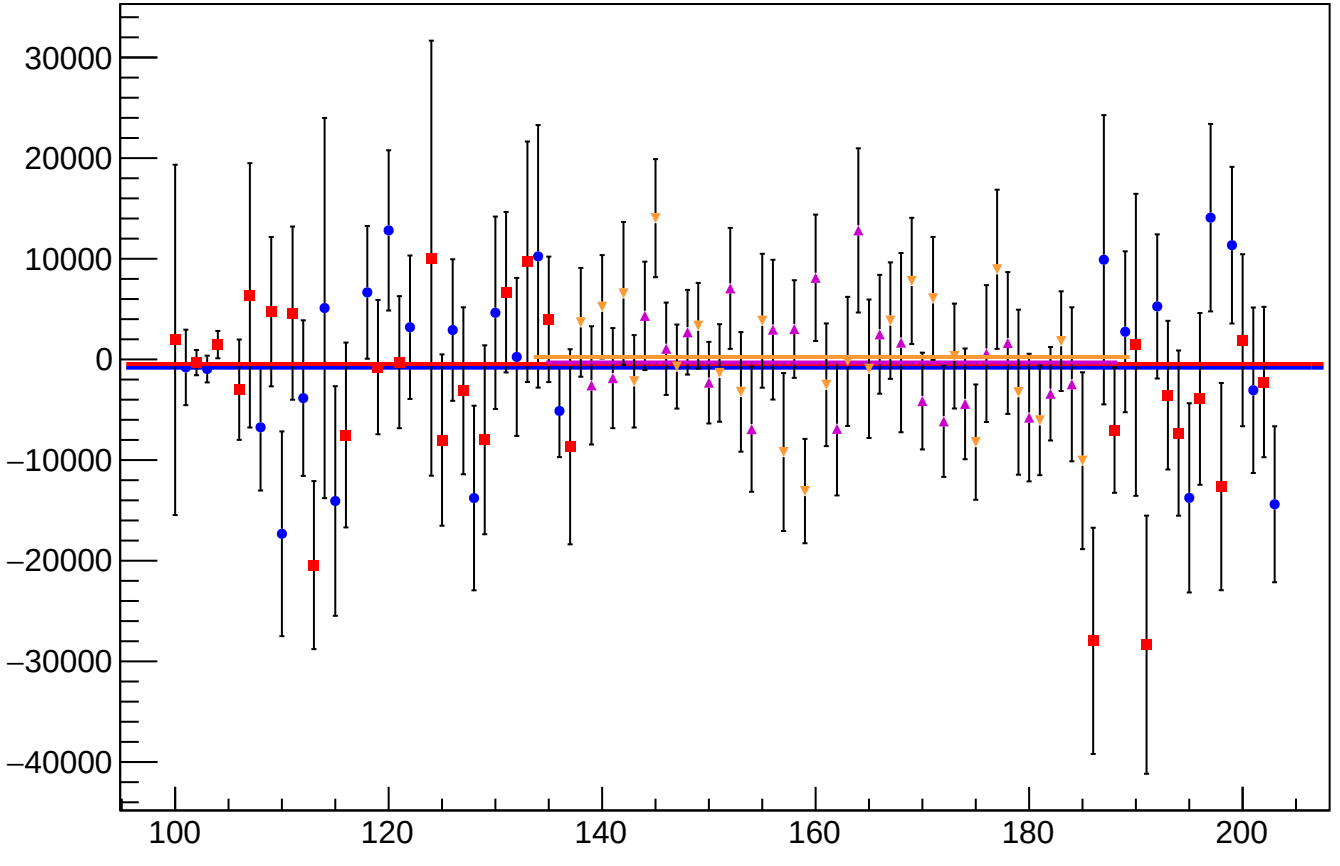
Right: 1897.892+/-0.258 χ^2/NDF: 725233.8/52

In: 1801.127+/-0.227 χ^2/NDF:353140.7/46

Out: 1792.315+/-0.220 χ^2/NDF:757486.1/53

All: 1796.576+/-0.158 χ^2/NDF: 1111403.0/10

asym_atl1r2_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -819.499+/-1009.984 χ^2/NDF: 25.4/23

Left Out: 241.128+/-1140.962 χ^2/NDF:26.7/24

Right Out: -453.434+/-799.574 χ^2/NDF: 28.7/28

Left In: -306.109+/-1171.021 χ^2/NDF:14.5/22

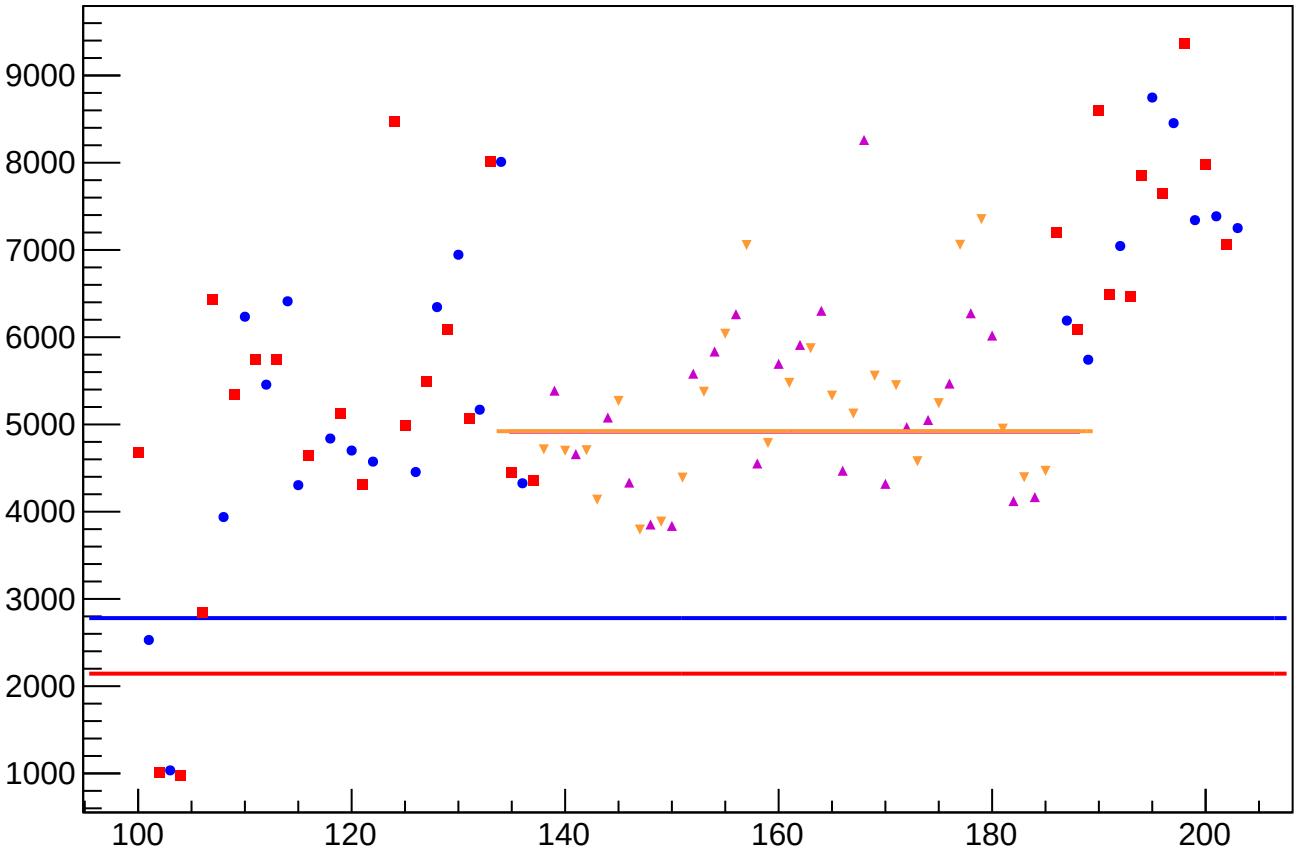
Left: -25.377+/-817.202 χ^2/NDF: 41.3/47

Right: -594.469+/-626.902 χ^2/NDF: 54.2/52

In: -600.505+/-764.816 χ^2/NDF:40.0/46

Out: -224.675+/-654.794 χ^2/NDF:55.6/53

All: -383.637+/-497.401 χ^2/NDF: 95.8/100



Right In: 2780.352+/-0.714 χ^2/NDF: 10691931.7/23

Left Out: 4922.388+/-0.807 χ^2/NDF:1050409.4/24

Right Out: 2143.632+/-0.565 χ^2/NDF: 14556283.2/28

Left In: 4916.972+/-0.828 χ^2/NDF:1161645.9/22

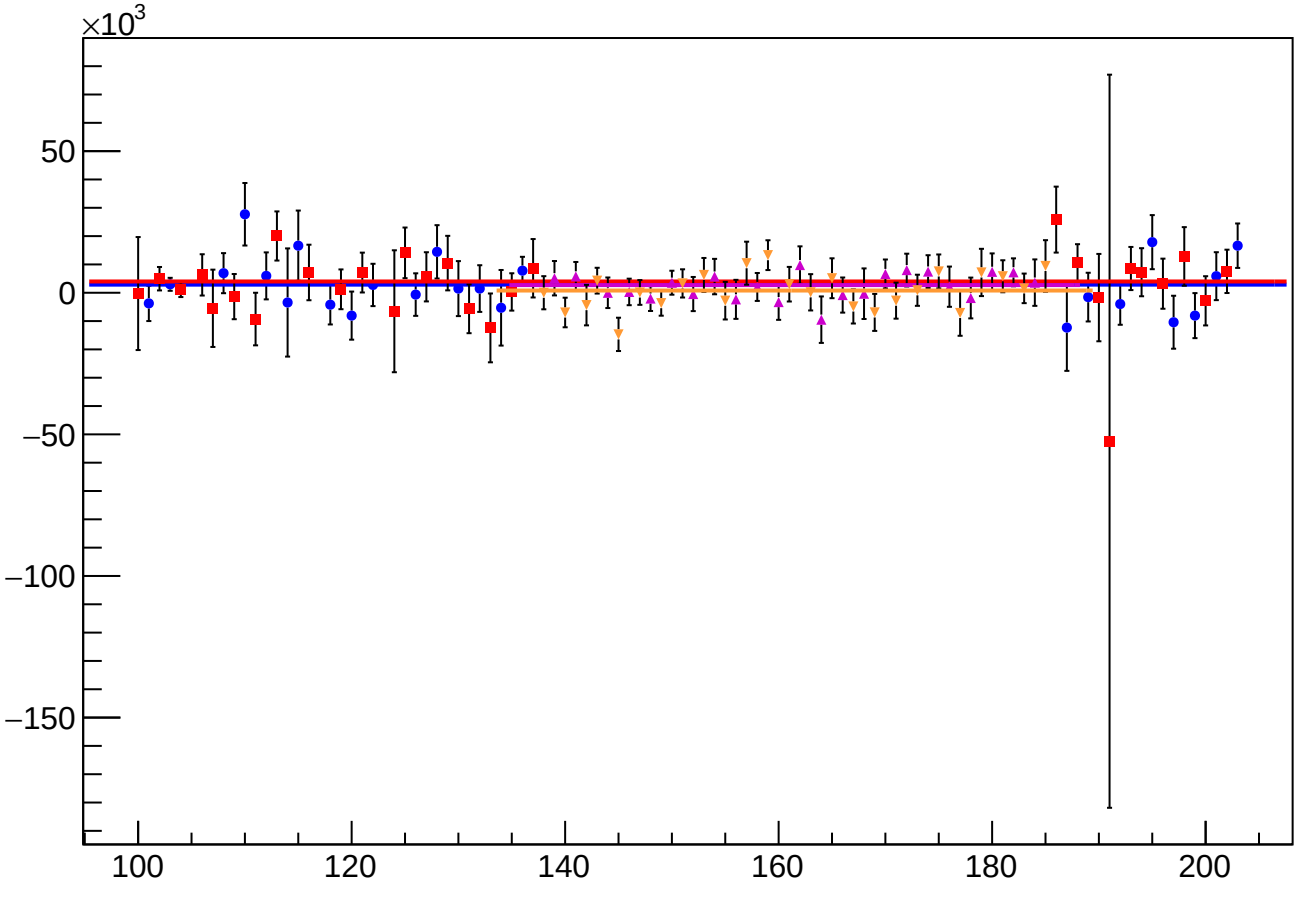
Left: 4919.750+/-0.578 χ^2/NDF: 2212077.2/47

Right: 2388.944+/-0.443 χ^2/NDF: 25736844.1/52

In: 3691.758+/-0.541 χ^2/NDF:15671615.0/46

Out: 3058.834+/-0.463 χ^2/NDF:23562419.0/53

All: 3326.536+/-0.352 χ^2/NDF: 40024393.8/1



Right In: 2865.794+/-1377.543 χ^2/NDF: 25.6/23

Left Out: 787.965+/-1171.964 χ^2/NDF:27.6/24

Right Out: 3985.917+/-1368.616 χ^2/NDF: 20.9/28

Left In: 2705.532+/-1206.281 χ^2/NDF:11.9/22

Left: 1719.085+/-840.574 χ^2/NDF: 40.8/47

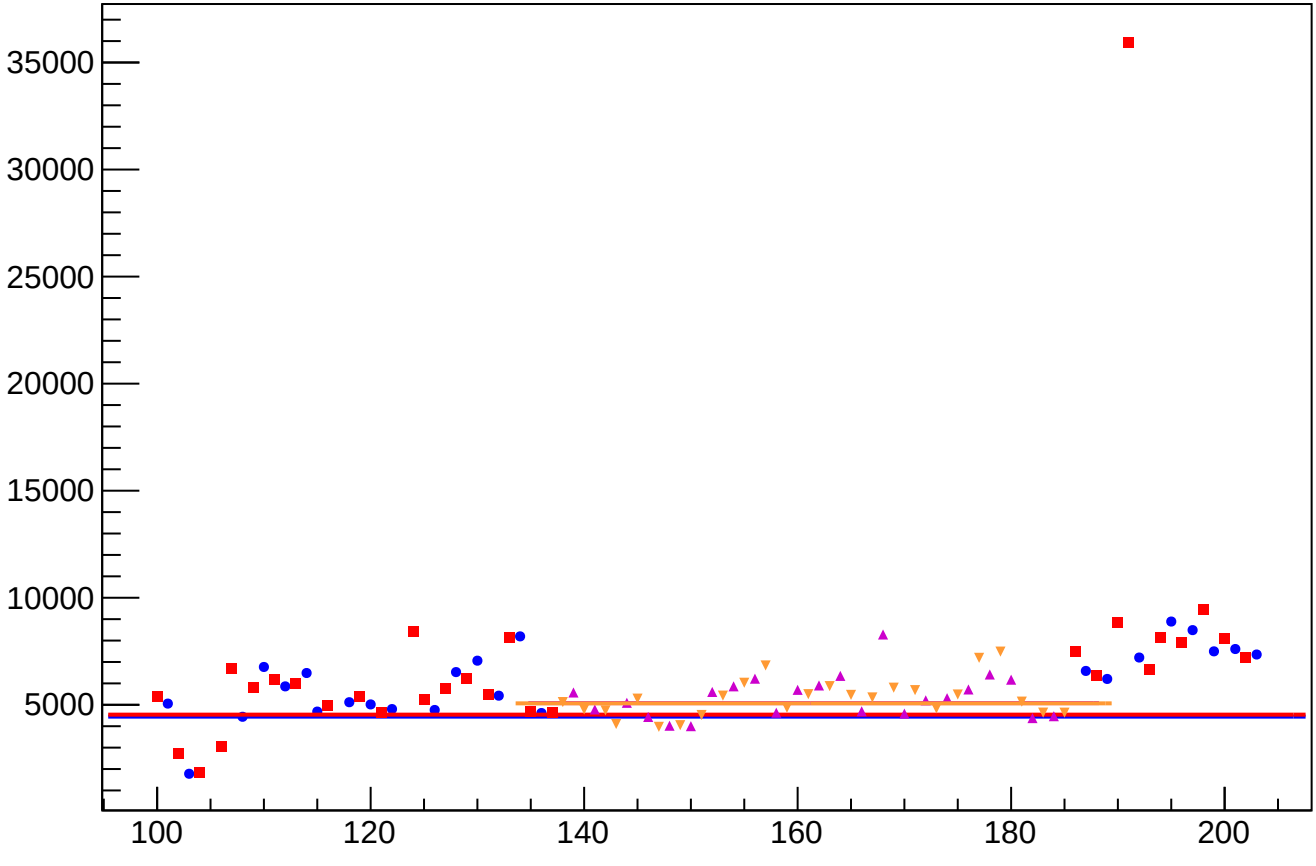
Right: 3429.497+/-970.898 χ^2/NDF: 46.8/52

In: 2775.087+/-907.515 χ^2/NDF:37.5/46

Out: 2140.880+/-890.186 χ^2/NDF:51.6/53

All: 2451.871+/-635.495 χ^2/NDF: 89.3/100

asym_atl1r2_avg_rms vs Slug, Sign Corrected



Right In: 4448.209+/-0.974 χ^2/NDF: 5426291.9/23

Left Out: 5067.898+/-0.829 χ^2/NDF:954253.8/24

Right Out: 4540.409+/-0.960 χ^2/NDF: 5677535.9/28

Left In: 5079.715+/-0.853 χ^2/NDF:1001241.5/22

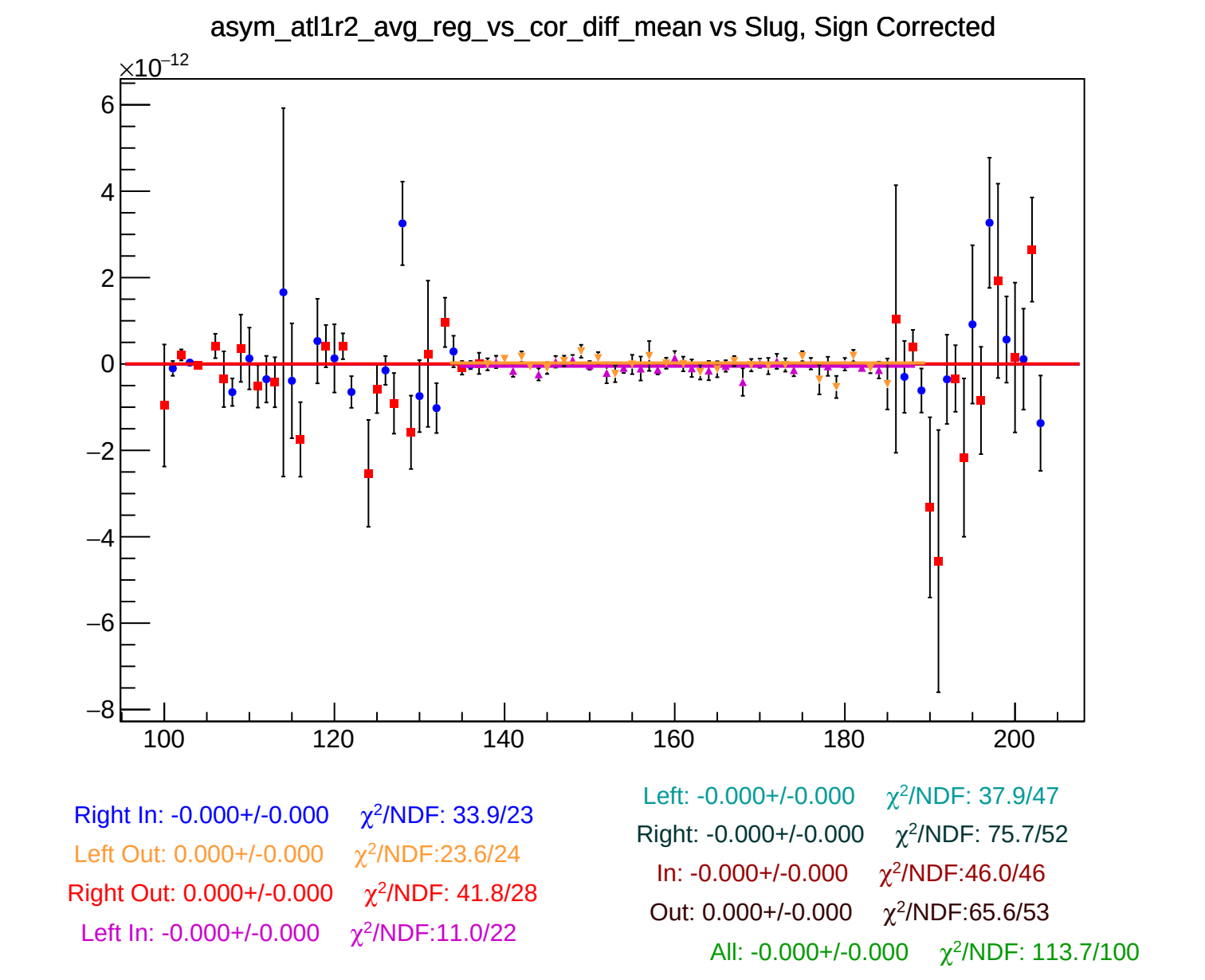
Left: 5073.636+/-0.594 χ^2/NDF: 1955594.0/47

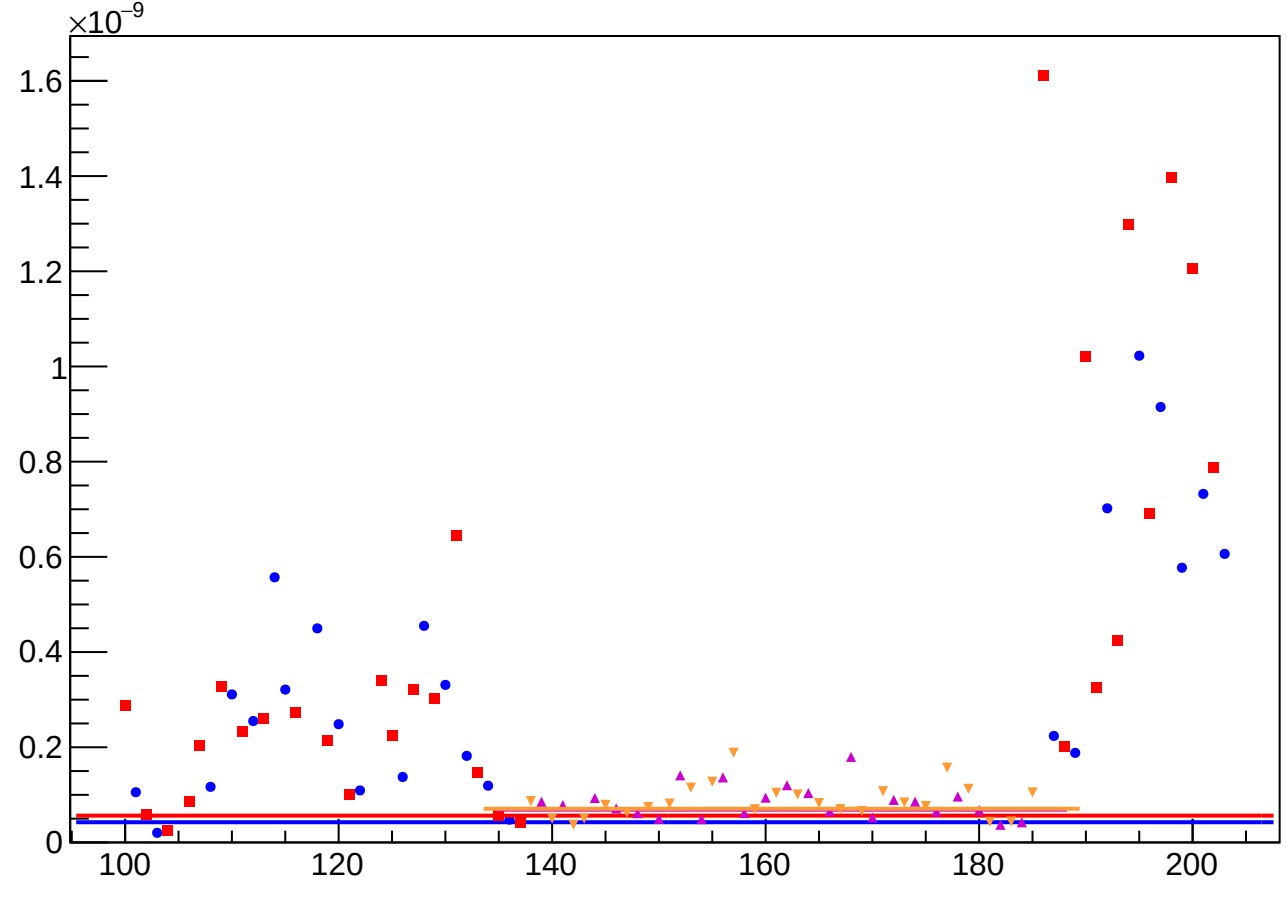
Right: 4494.969+/-0.684 χ^2/NDF: 11108371.7/52

In: 4805.636+/-0.642 χ^2/NDF:6665428.2/46

Out: 4842.724+/-0.627 χ^2/NDF:6804744.5/53

All: 4824.599+/-0.449 χ^2/NDF: 13471880.6/1


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: 33.9/23
Left Out: 0.000+/-0.000 χ²/NDF:23.6/24
Right Out: 0.000+/-0.000 χ²/NDF: 41.8/28
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: 75.7/52
In: -0.000+/-0.000 χ²/NDF:46.0/46
Out: 0.000+/-0.000 χ²/NDF:65.6/53
All: -0.000+/-0.000 χ²/NDF: 113.7/100



Right In: 0.000+/-0.000 χ^2/NDF: 7283810.4/23

Left Out: 0.000+/-0.000 χ^2/NDF:1489228.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 8398598.1/28

Left In: 0.000+/-0.000 χ^2/NDF:1432116.0/22

Left: 0.000+/-0.000 χ^2/NDF: 2925873.0/47

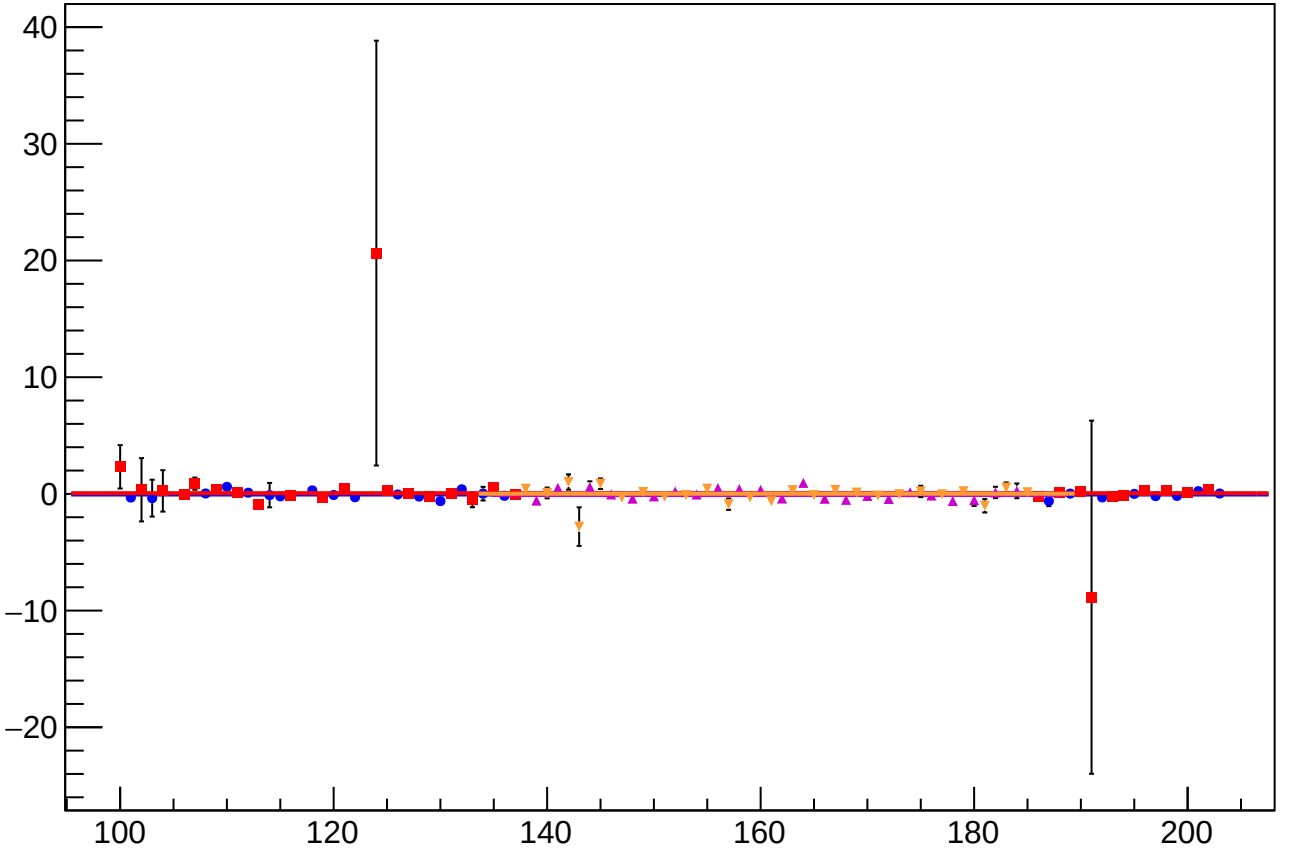
Right: 0.000+/-0.000 χ^2/NDF: 15799941.7/52

In: 0.000+/-0.000 χ^2/NDF:9358320.7/46

Out: 0.000+/-0.000 χ^2/NDF:10037448.7/53

All: 0.000+/-0.000 χ^2/NDF: 19516846.2/100

asym_atl1r2_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.053+/-0.063 χ^2/NDF: 15.7/23

Left Out: 0.014+/-0.070 χ^2/NDF:28.3/24

Right Out: 0.062+/-0.053 χ^2/NDF: 28.7/28

Left In: -0.091+/-0.070 χ^2/NDF:30.9/22

Left: -0.038+/-0.050 χ^2/NDF: 60.3/47

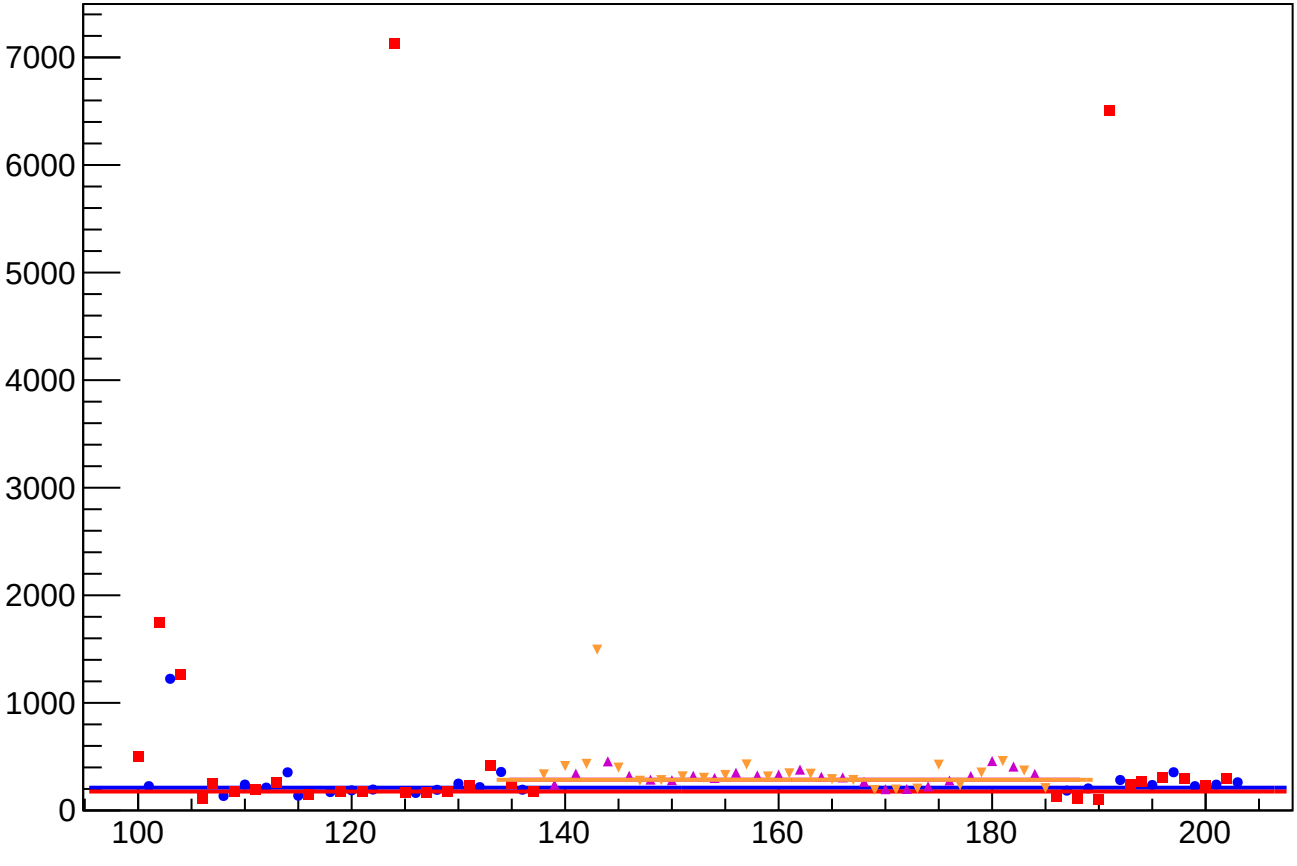
Right: 0.013+/-0.041 χ^2/NDF: 46.4/52

In: -0.070+/-0.047 χ^2/NDF:46.8/46

Out: 0.044+/-0.042 χ^2/NDF:57.3/53

All: -0.007+/-0.031 χ^2/NDF: 107.3/100

asym_atl1r2_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 211.573+/-0.044 χ^2/NDF: 1990313.9/23

Left Out: 285.036+/-0.049 χ^2/NDF:3407001.6/24

Right Out: 175.958+/-0.038 χ^2/NDF: 5060283.4/28

Left In: 285.869+/-0.050 χ^2/NDF:1744706.1/22

Left: 285.449+/-0.035 χ^2/NDF: 5151848.7/47

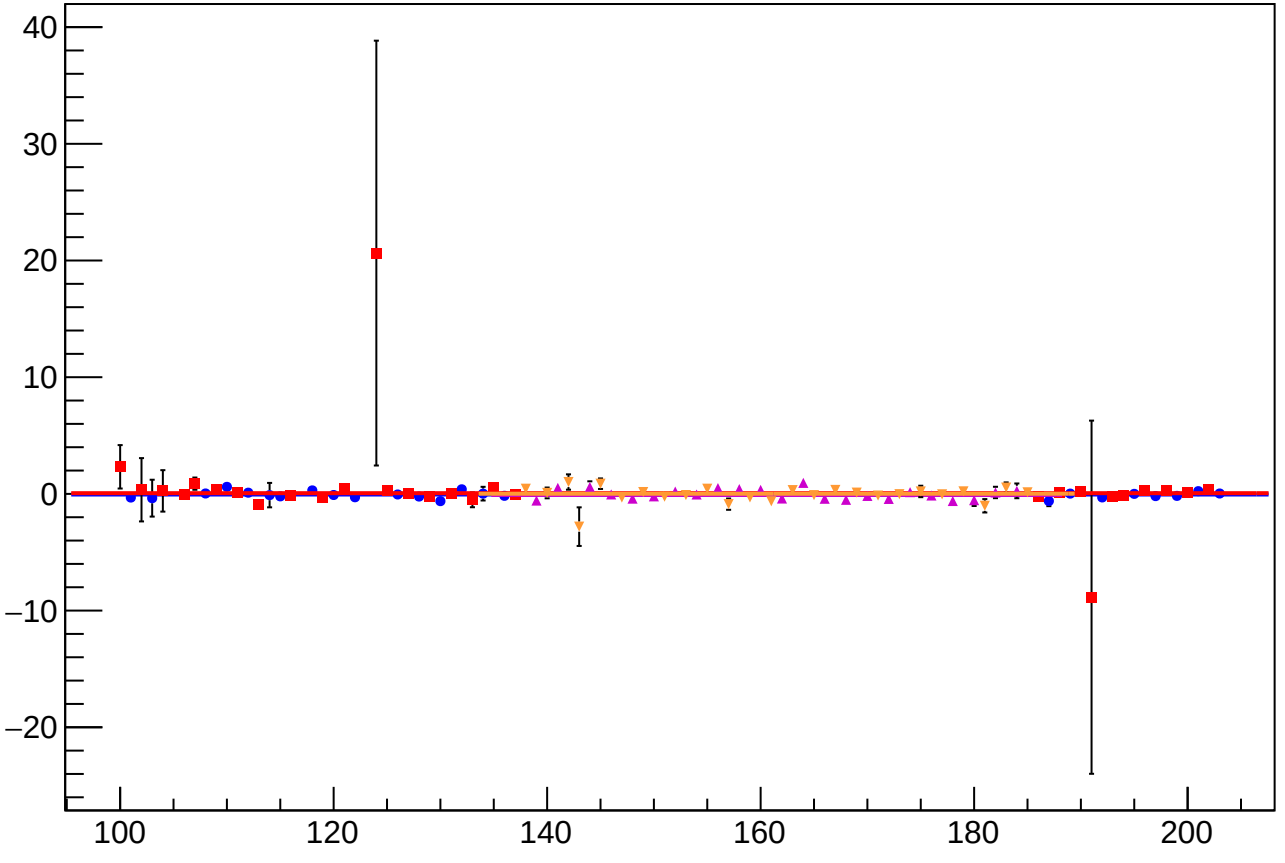
Right: 190.998+/-0.029 χ^2/NDF: 7425308.8/52

In: 244.334+/-0.033 χ^2/NDF:4979670.7/46

Out: 216.281+/-0.030 χ^2/NDF:11544154.0/53

All: 228.955+/-0.022 χ^2/NDF: 16918440.6/10

asym_atl1r2_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.053+/-0.063 χ^2/NDF: 15.7/23

Left Out: 0.014+/-0.070 χ^2/NDF:28.3/24

Right Out: 0.062+/-0.053 χ^2/NDF: 28.7/28

Left In: -0.091+/-0.070 χ^2/NDF:30.9/22

Left: -0.038+/-0.050 χ^2/NDF: 60.3/47

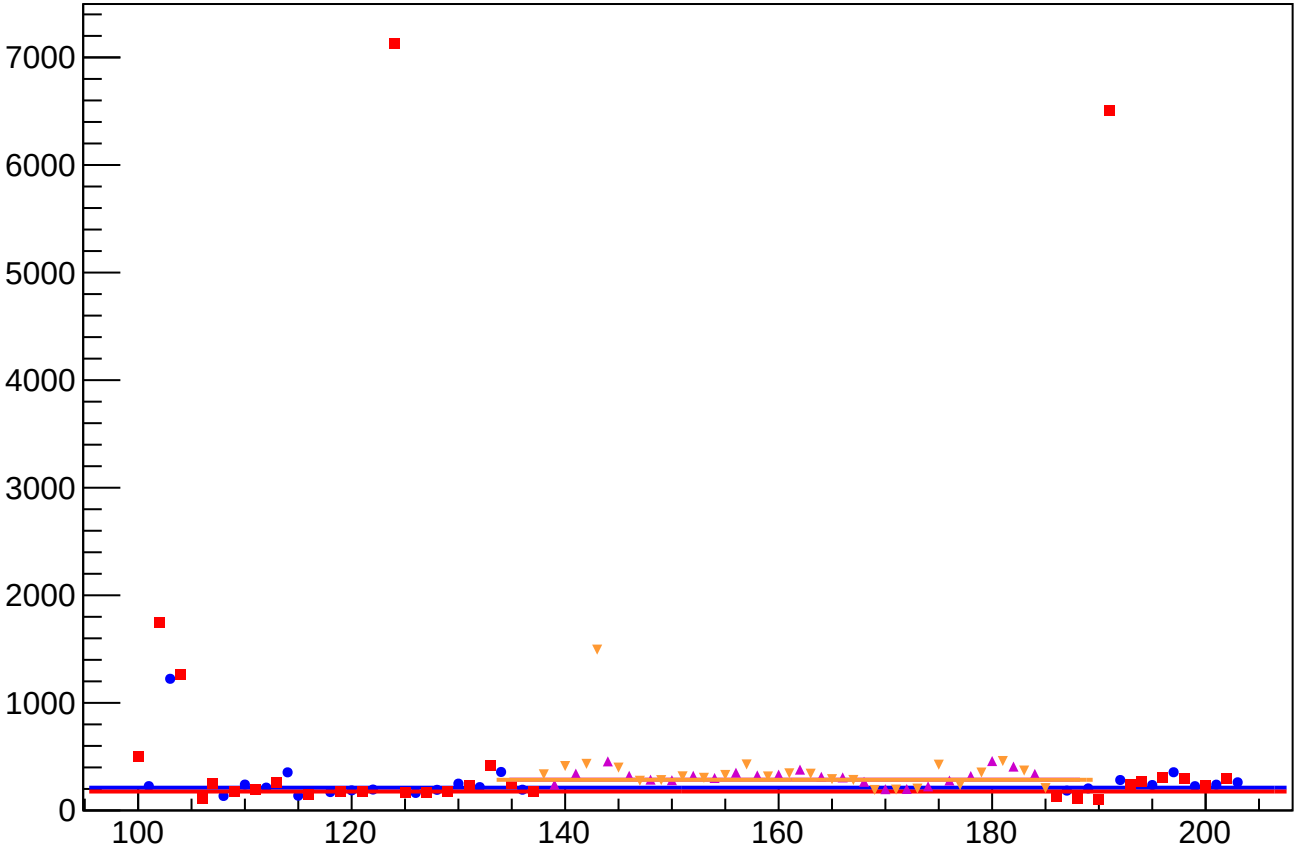
Right: 0.013+/-0.041 χ^2/NDF: 46.4/52

In: -0.070+/-0.047 χ^2/NDF:46.8/46

Out: 0.044+/-0.042 χ^2/NDF:57.3/53

All: -0.007+/-0.031 χ^2/NDF: 107.3/100

asym_atl1r2_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 211.573+/-0.044 χ^2/NDF: 1990313.9/23

Left Out: 285.036+/-0.049 χ^2/NDF:3407001.6/24

Right Out: 175.958+/-0.038 χ^2/NDF: 5060283.4/28

Left In: 285.869+/-0.050 χ^2/NDF:1744706.1/22

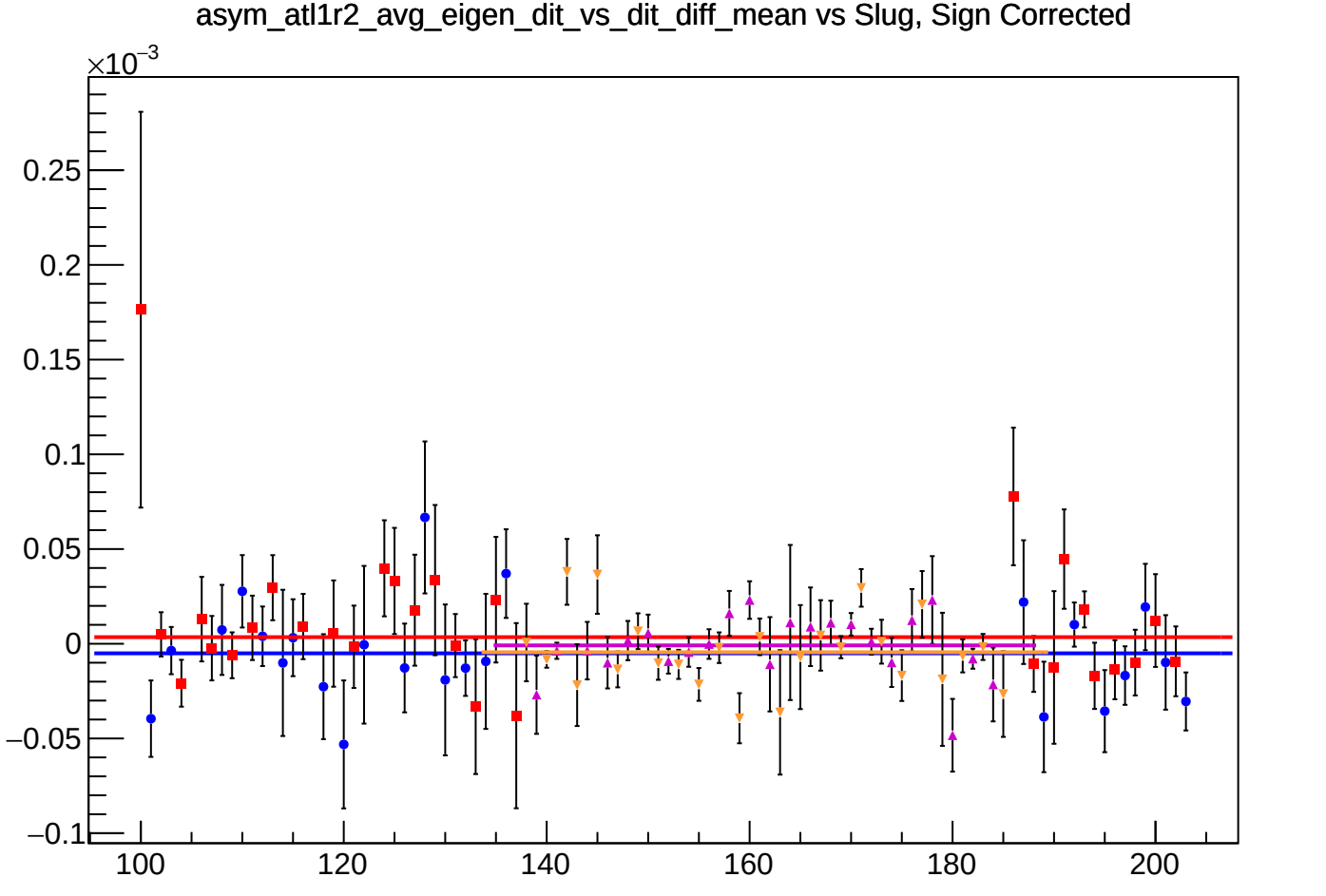
Left: 285.449+/-0.035 χ^2/NDF: 5151848.7/47

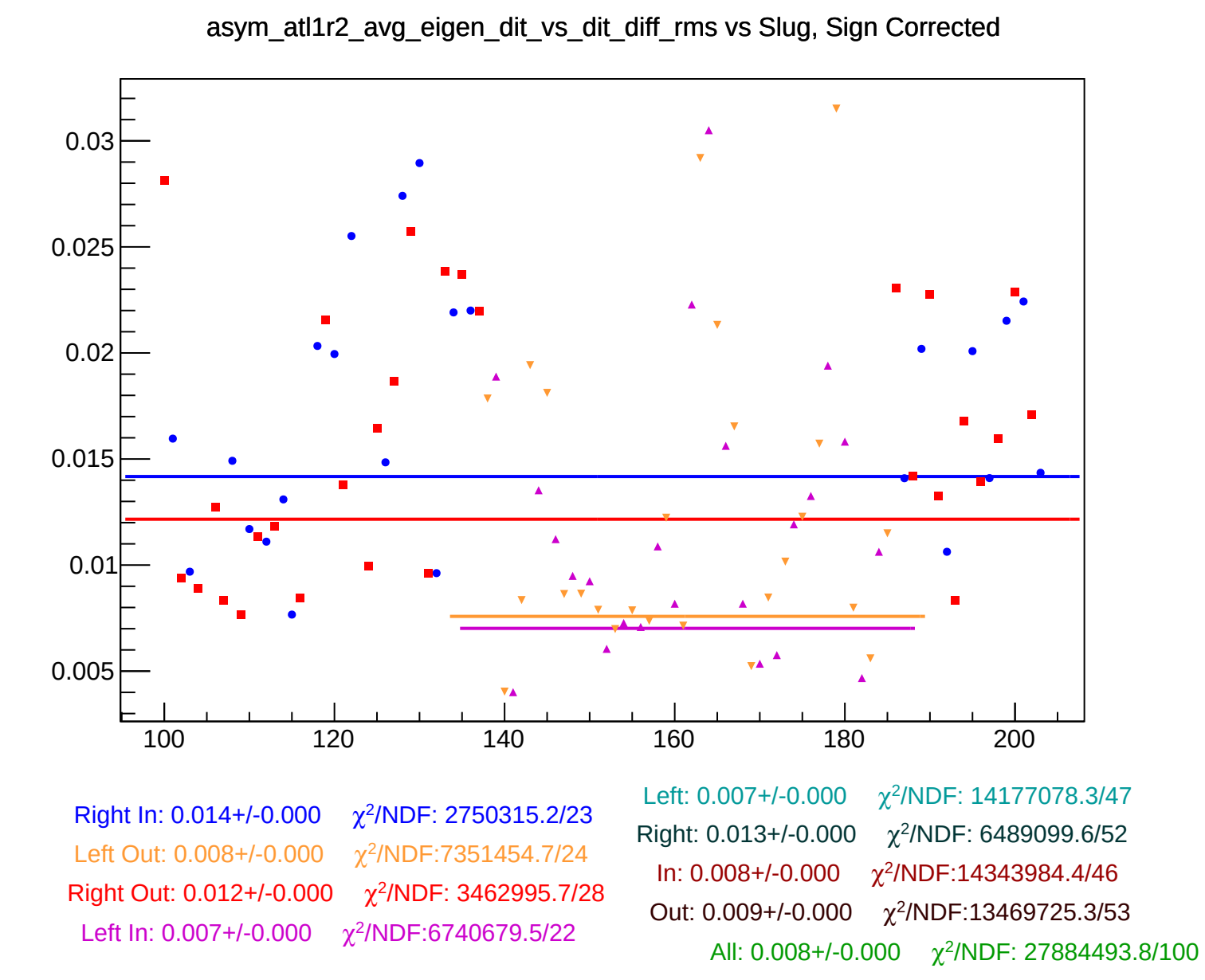
Right: 190.998+/-0.029 χ^2/NDF: 7425308.8/52

In: 244.334+/-0.033 χ^2/NDF:4979670.7/46

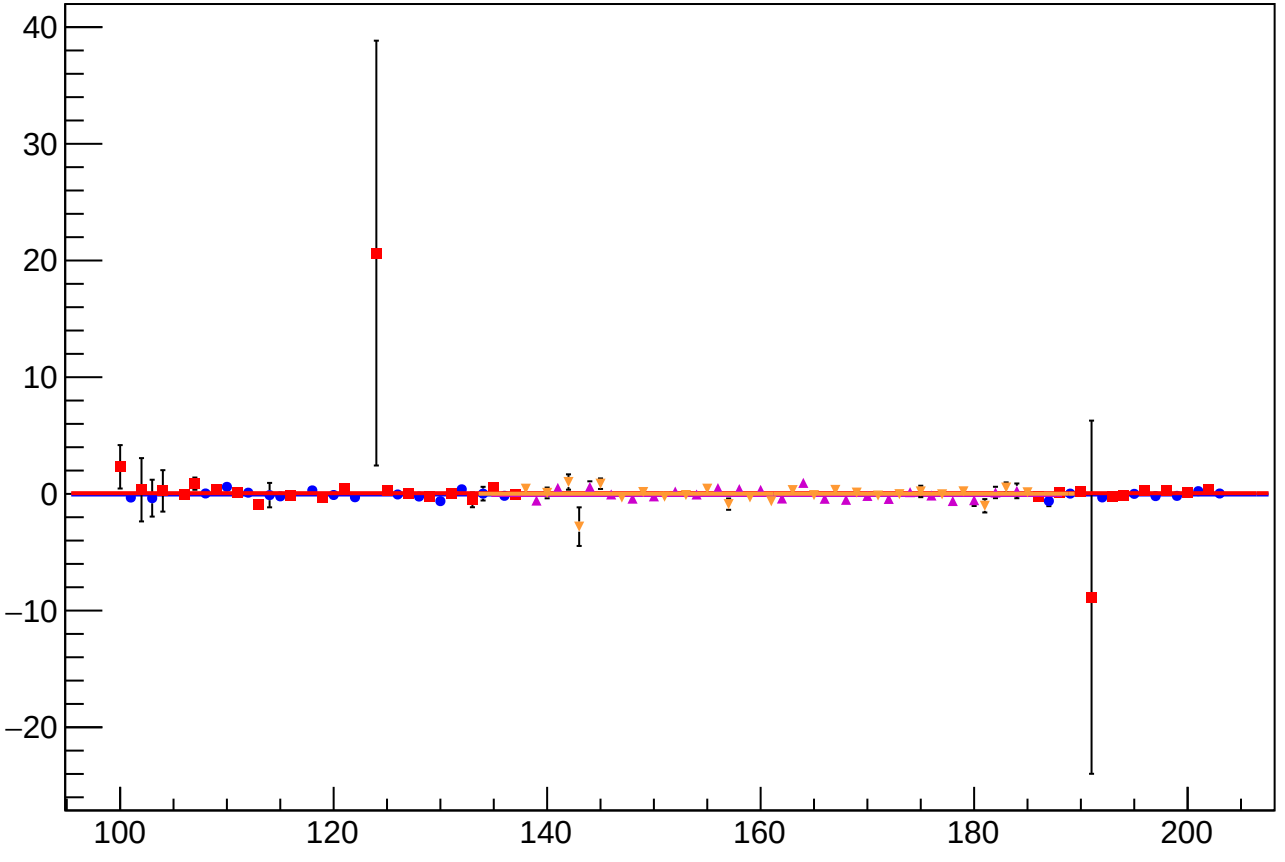
Out: 216.281+/-0.030 χ^2/NDF:11544154.0/53

All: 228.955+/-0.022 χ^2/NDF: 16918440.6/10


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: 26.3/23
Left Out: -0.000+/-0.000 χ²/NDF:43.9/24
Right Out: 0.000+/-0.000 χ²/NDF: 30.2/28
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: 58.9/52
In: -0.000+/-0.000 χ²/NDF:56.1/46
Out: -0.000+/-0.000 χ²/NDF:78.1/53
All: -0.000+/-0.000 χ²/NDF: 134.3/100


asym_atl1r2_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected
0.03
0.025
0.02
0.015
0.01
0.005
100
120
140
160
180
200
Right In: 0.014+/-0.000 χ²/NDF: 2750315.2/23
Left Out: 0.008+/-0.000 χ²/NDF:7351454.7/24
Right Out: 0.012+/-0.000 χ²/NDF: 3462995.7/28
Left In: 0.007+/-0.000 χ²/NDF:6740679.5/22
Left: 0.007+/-0.000 χ²/NDF: 14177078.3/47
Right: 0.013+/-0.000 χ²/NDF: 6489099.6/52
In: 0.008+/-0.000 χ²/NDF:14343984.4/46
Out: 0.009+/-0.000 χ²/NDF:13469725.3/53
All: 0.008+/-0.000 χ²/NDF: 27884493.8/100

asym_atl1r2_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.053+/-0.063 χ^2/NDF: 15.7/23

Left Out: 0.014+/-0.070 χ^2/NDF:28.3/24

Right Out: 0.062+/-0.053 χ^2/NDF: 28.7/28

Left In: -0.091+/-0.070 χ^2/NDF:30.9/22

Left: -0.038+/-0.050 χ^2/NDF: 60.3/47

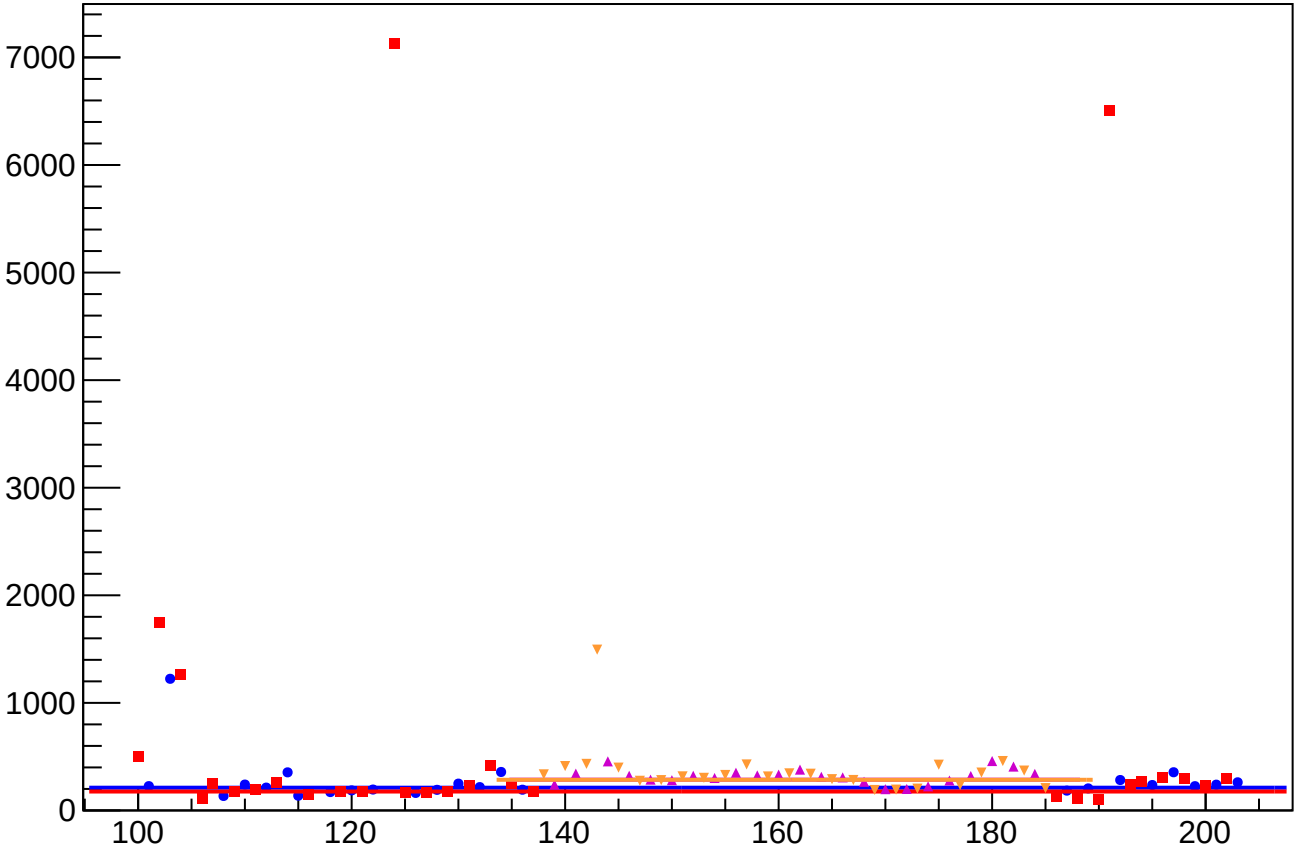
Right: 0.013+/-0.041 χ^2/NDF: 46.4/52

In: -0.070+/-0.047 χ^2/NDF:46.8/46

Out: 0.044+/-0.042 χ^2/NDF:57.2/53

All: -0.007+/-0.031 χ^2/NDF: 107.3/100

asym_atl1r2_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 211.572+/-0.044 χ^2/NDF: 1990321.1/23

Left Out: 285.039+/-0.049 χ^2/NDF:3407037.3/24

Right Out: 175.956+/-0.038 χ^2/NDF: 5060429.4/28

Left In: 285.871+/-0.050 χ^2/NDF:1744743.9/22

Left: 285.451+/-0.035 χ^2/NDF: 5151922.1/47

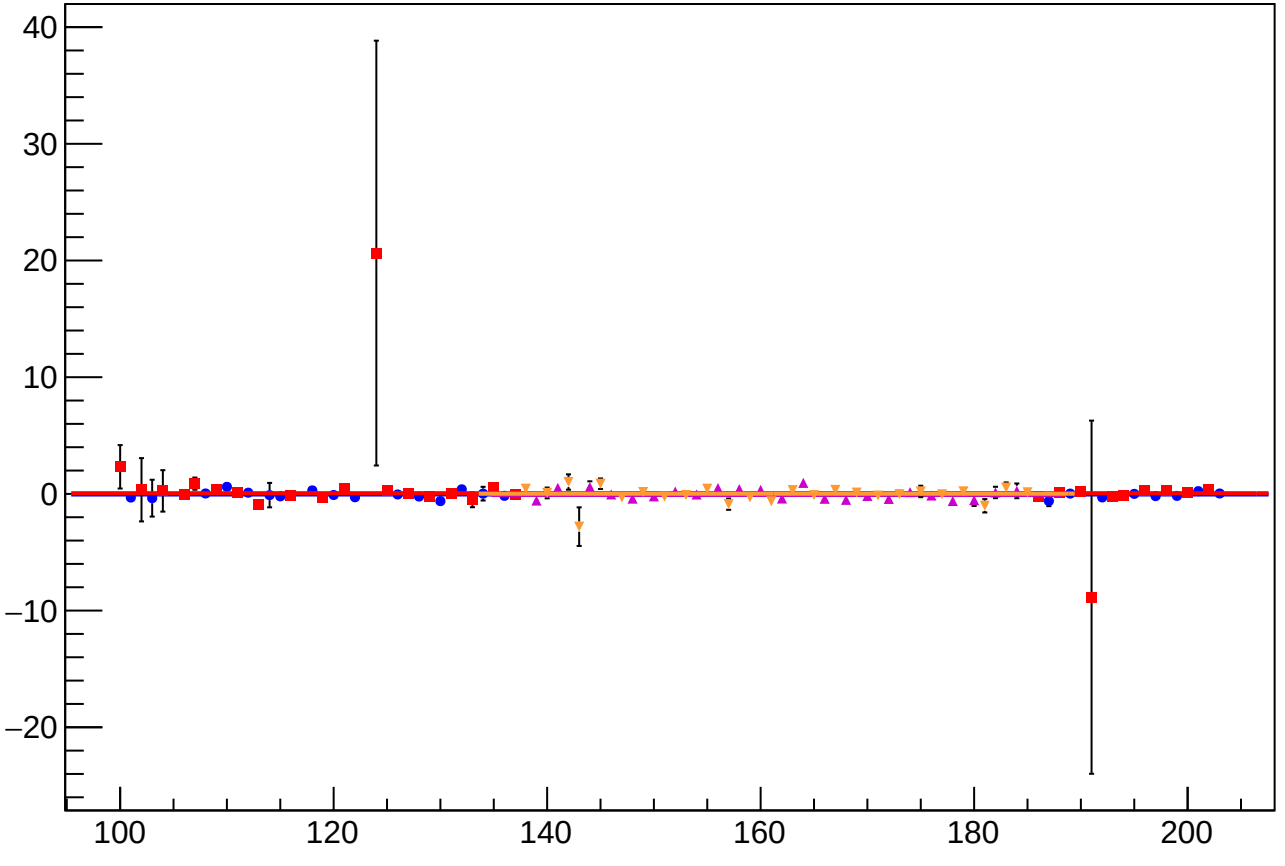
Right: 190.996+/-0.029 χ^2/NDF: 7425503.5/52

In: 244.334+/-0.033 χ^2/NDF:4979826.7/46

Out: 216.279+/-0.030 χ^2/NDF:11544627.9/53

All: 228.954+/-0.022 χ^2/NDF: 16919122.0/10

asym_atl1r2_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.053+/-0.063 χ^2/NDF: 15.7/23

Left Out: 0.014+/-0.070 χ^2/NDF:28.3/24

Right Out: 0.062+/-0.053 χ^2/NDF: 28.7/28

Left In: -0.091+/-0.070 χ^2/NDF:30.9/22

Left: -0.038+/-0.050 χ^2/NDF: 60.3/47

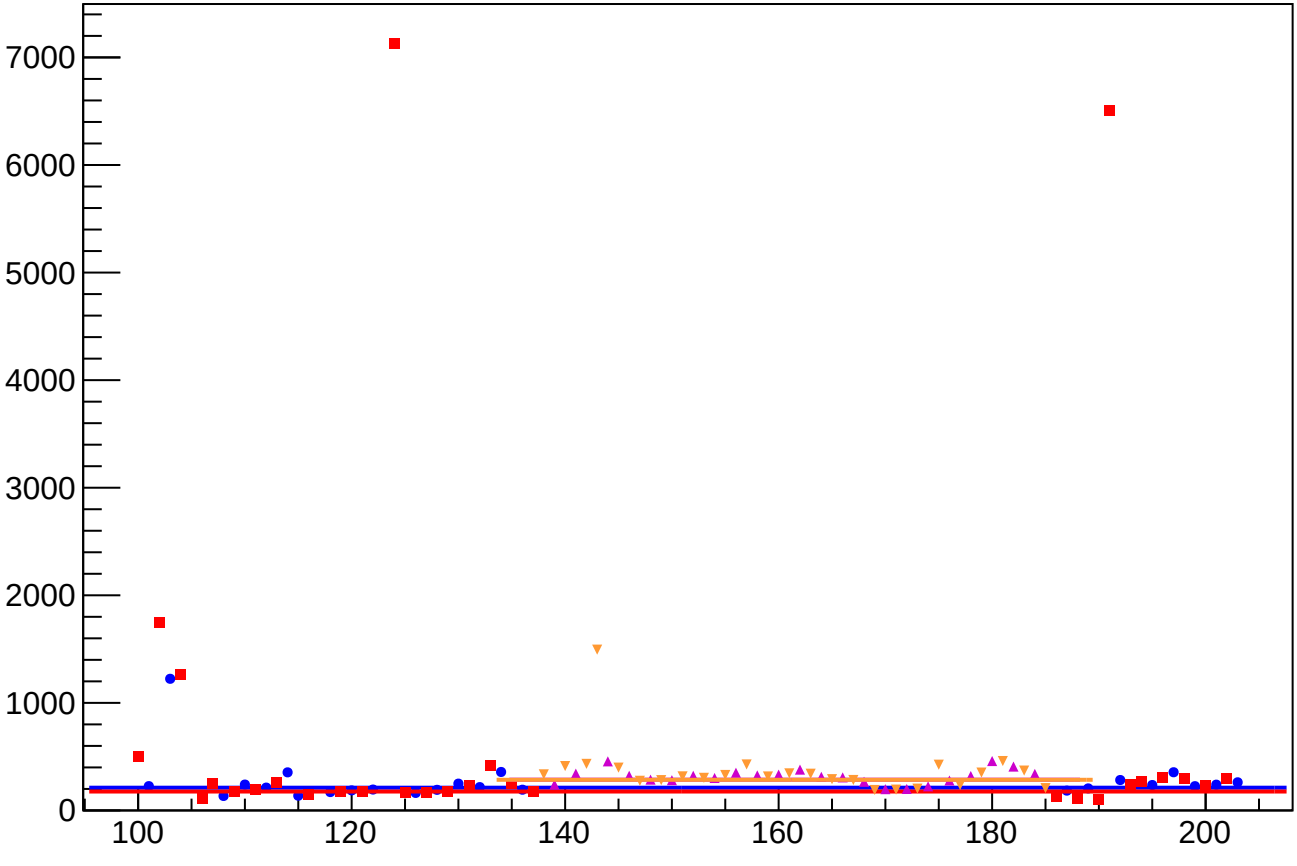
Right: 0.013+/-0.041 χ^2/NDF: 46.4/52

In: -0.070+/-0.047 χ^2/NDF:46.8/46

Out: 0.044+/-0.042 χ^2/NDF:57.2/53

All: -0.007+/-0.031 χ^2/NDF: 107.3/100

asym_atl1r2_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 211.572+/-0.044 χ^2/NDF: 1990321.1/23

Left Out: 285.039+/-0.049 χ^2/NDF:3407037.3/24

Right Out: 175.956+/-0.038 χ^2/NDF: 5060429.4/28

Left In: 285.871+/-0.050 χ^2/NDF:1744743.9/22

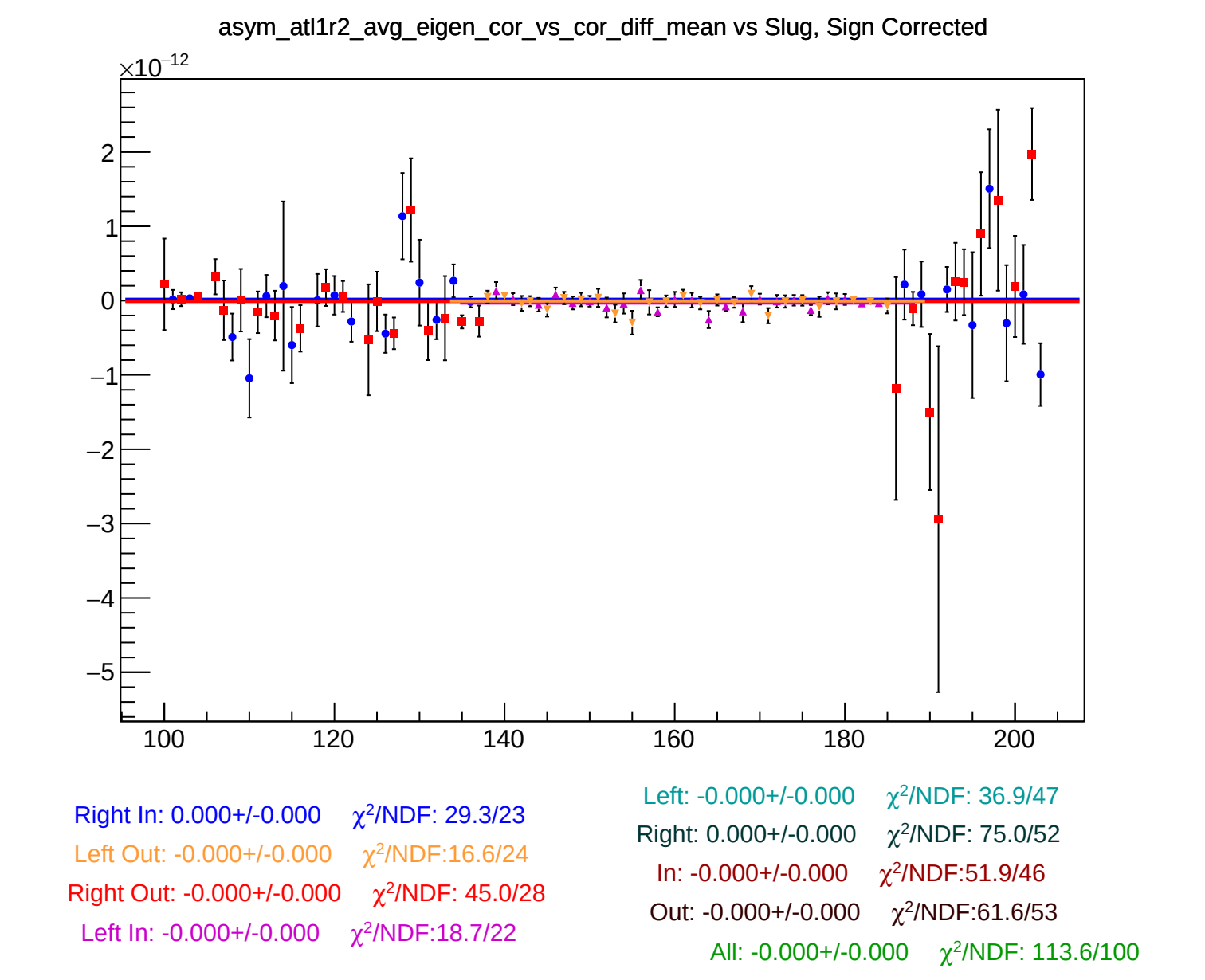
Left: 285.451+/-0.035 χ^2/NDF: 5151922.1/47

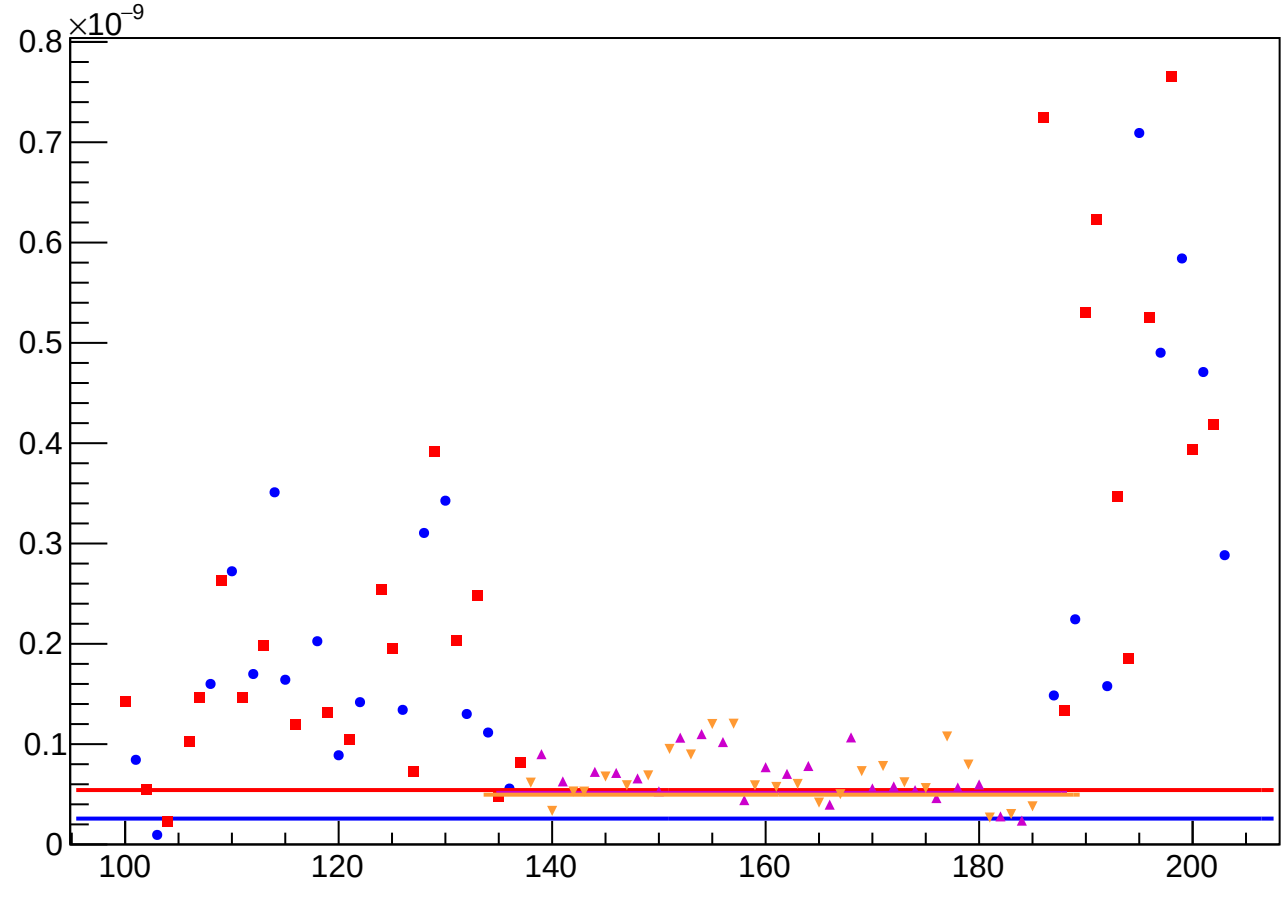
Right: 190.996+/-0.029 χ^2/NDF: 7425503.5/52

In: 244.334+/-0.033 χ^2/NDF:4979826.7/46

Out: 216.279+/-0.030 χ^2/NDF:11544627.9/53

All: 228.954+/-0.022 χ^2/NDF: 16919122.0/10


asym_atl1r2_avg_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
2
1
0
−1
−2
−3
−4
−5
100
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 29.3/23
Left Out: -0.000+/-0.000 χ²/NDF:16.6/24
Right Out: -0.000+/-0.000 χ²/NDF: 45.0/28
Left In: -0.000+/-0.000 χ²/NDF:18.7/22
Left: -0.000+/-0.000 χ²/NDF: 36.9/47
Right: 0.000+/-0.000 χ²/NDF: 75.0/52
In: -0.000+/-0.000 χ²/NDF:51.9/46
Out: -0.000+/-0.000 χ²/NDF:61.6/53
All: -0.000+/-0.000 χ²/NDF: 113.6/100



Right In: 0.000+/-0.000 χ^2/NDF: 11720741.5/23

Left Out: 0.000+/-0.000 χ^2/NDF:3882649.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 8840178.8/28

Left In: 0.000+/-0.000 χ^2/NDF:3659712.8/22

Left: 0.000+/-0.000 χ^2/NDF: 7555879.5/47

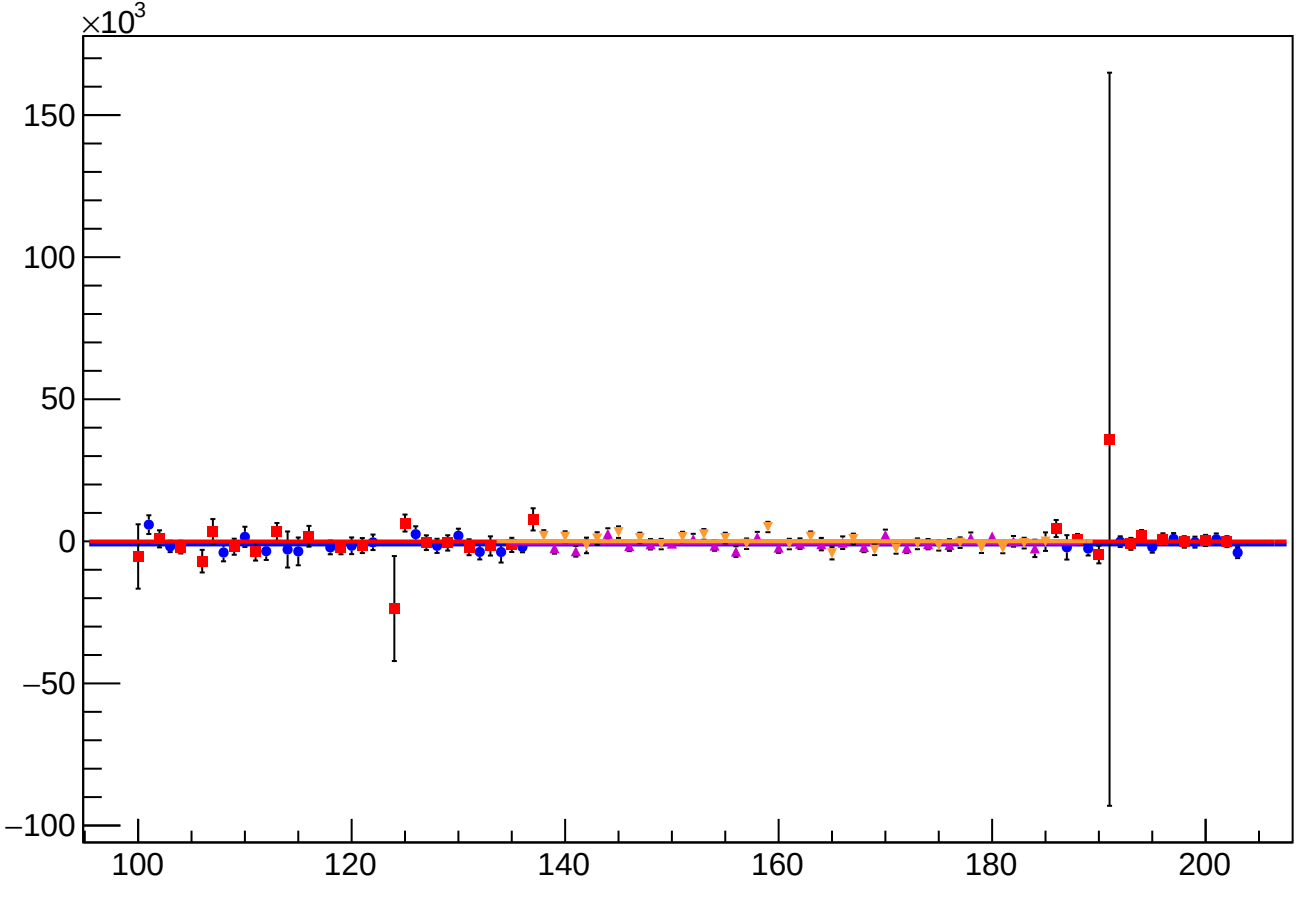
Right: 0.000+/-0.000 χ^2/NDF: 21751198.5/52

In: 0.000+/-0.000 χ^2/NDF:17352257.3/46

Out: 0.000+/-0.000 χ^2/NDF:12759143.8/53

All: 0.000+/-0.000 χ^2/NDF: 30552726.2/100

reg_asym_atl1r2_dd_mean vs Slug, Sign Corrected



Right In: -1086.927+/-509.425 χ^2/NDF: 17.3/23

Left Out: 23.114+/-387.732 χ^2/NDF:29.5/24

Right Out: -50.101+/-500.054 χ^2/NDF: 26.6/28

Left In: -719.504+/-396.449 χ^2/NDF:19.1/22

Left: -339.941+/-277.199 χ^2/NDF: 50.3/47

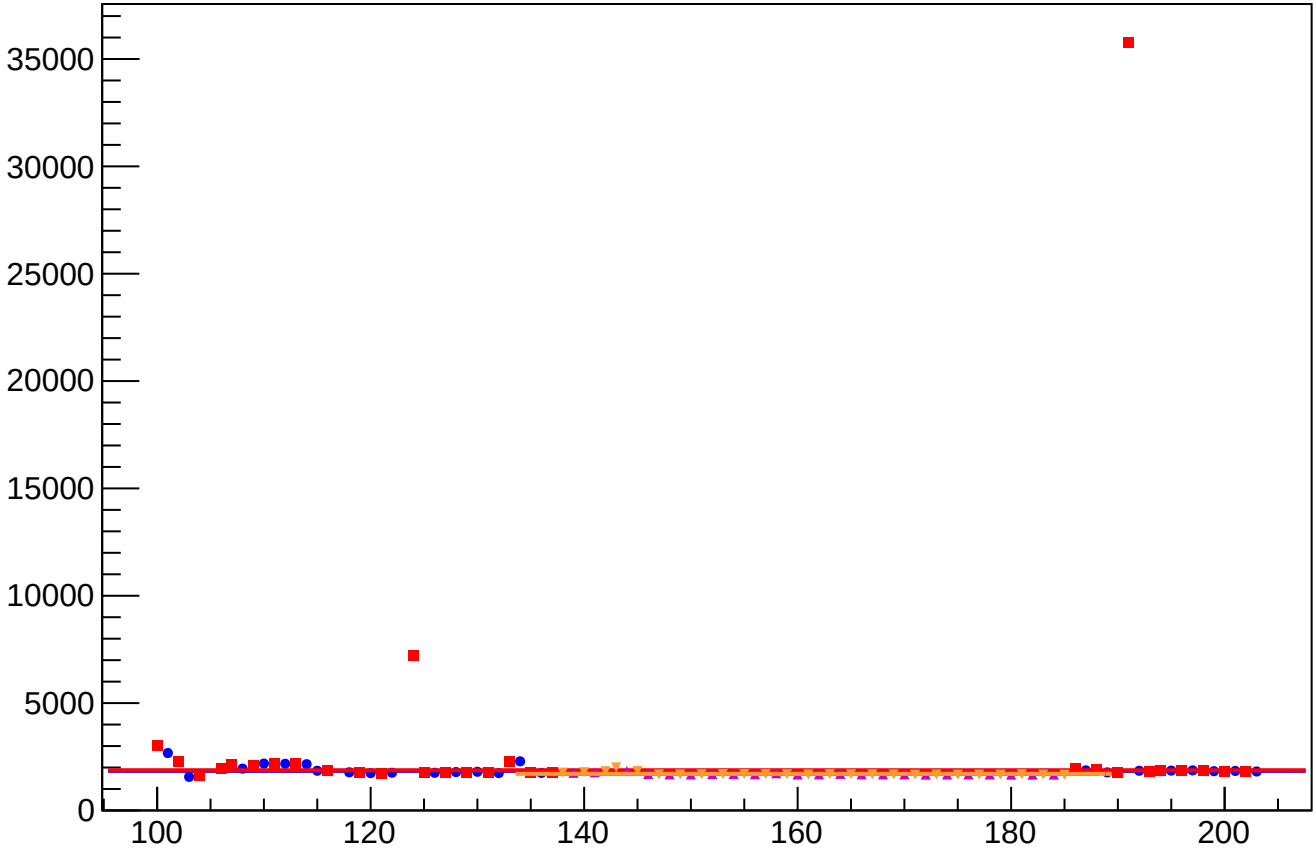
Right: -558.890+/-356.858 χ^2/NDF: 46.0/52

In: -858.094+/-312.870 χ^2/NDF:36.7/46

Out: -4.376+/-306.413 χ^2/NDF:56.1/53

All: -422.335+/-218.914 χ^2/NDF: 96.6/100

reg_asym_atl1r2_dd_rms vs Slug, Sign Corrected



Right In: 1844.530+/-0.360 χ^2/NDF: 262824.1/23

Left Out: 1705.634+/-0.274 χ^2/NDF:59928.6/24

Right Out: 1871.479+/-0.353 χ^2/NDF: 513840.3/28

Left In: 1697.514+/-0.280 χ^2/NDF:21146.9/22

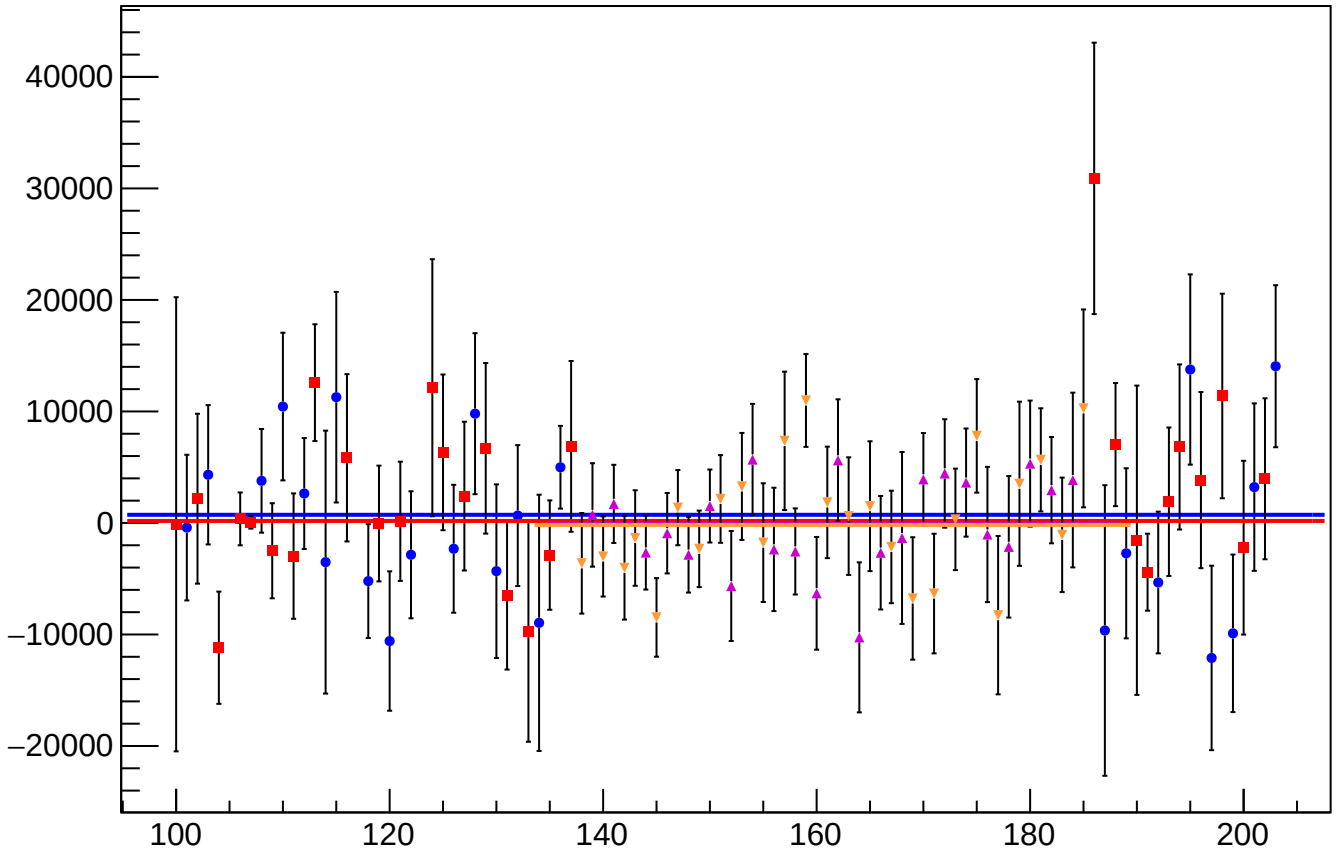
Left: 1701.665+/-0.196 χ^2/NDF: 81504.4/47

Right: 1858.270+/-0.252 χ^2/NDF: 779518.0/52

In: 1752.968+/-0.221 χ^2/NDF:387712.4/46

Out: 1767.995+/-0.217 χ^2/NDF:711356.3/53

All: 1760.642+/-0.155 χ^2/NDF: 1101424.7/10



Right In: 732.845+/-1317.466 χ^2/NDF: 26.0/23

Left Out: -175.777+/-935.141 χ^2/NDF:27.9/24

Right Out: 180.628+/-491.264 χ^2/NDF: 30.6/28

Left In: -56.448+/-956.389 χ^2/NDF:14.3/22

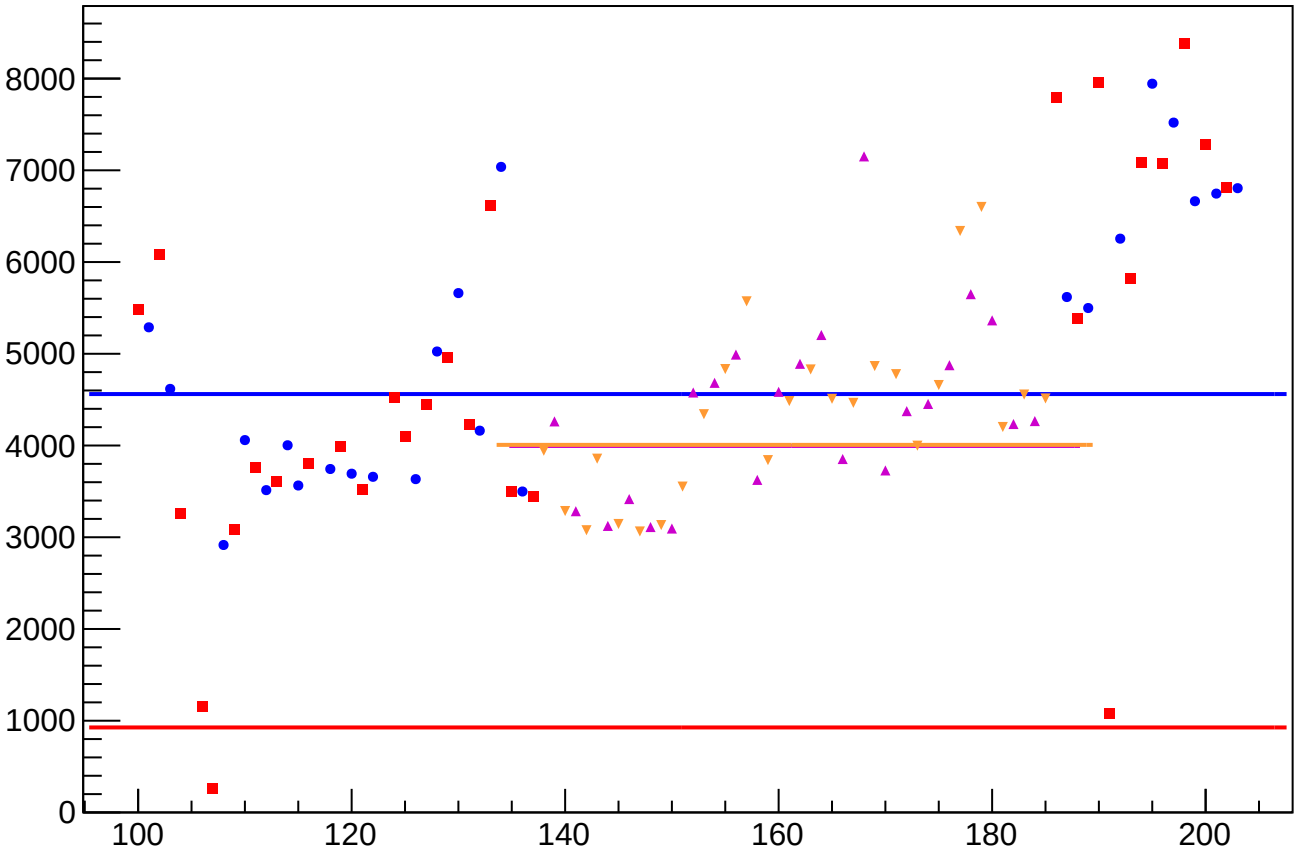
Left: -117.453+/-668.630 χ^2/NDF: 42.2/47

Right: 248.037+/-460.304 χ^2/NDF: 56.8/52

In: 215.945+/-773.960 χ^2/NDF:40.6/46

Out: 103.542+/-434.904 χ^2/NDF:58.7/53

All: 130.516+/-379.145 χ^2/NDF: 99.3/100



Right In: 4560.865+/-0.932 χ^2/NDF: 2201339.7/23

Left Out: 4006.998+/-0.661 χ^2/NDF:1503677.6/24

Right Out: 926.667+/-0.347 χ^2/NDF: 21121872.2/28

Left In: 3994.974+/-0.676 χ^2/NDF:1538115.4/22

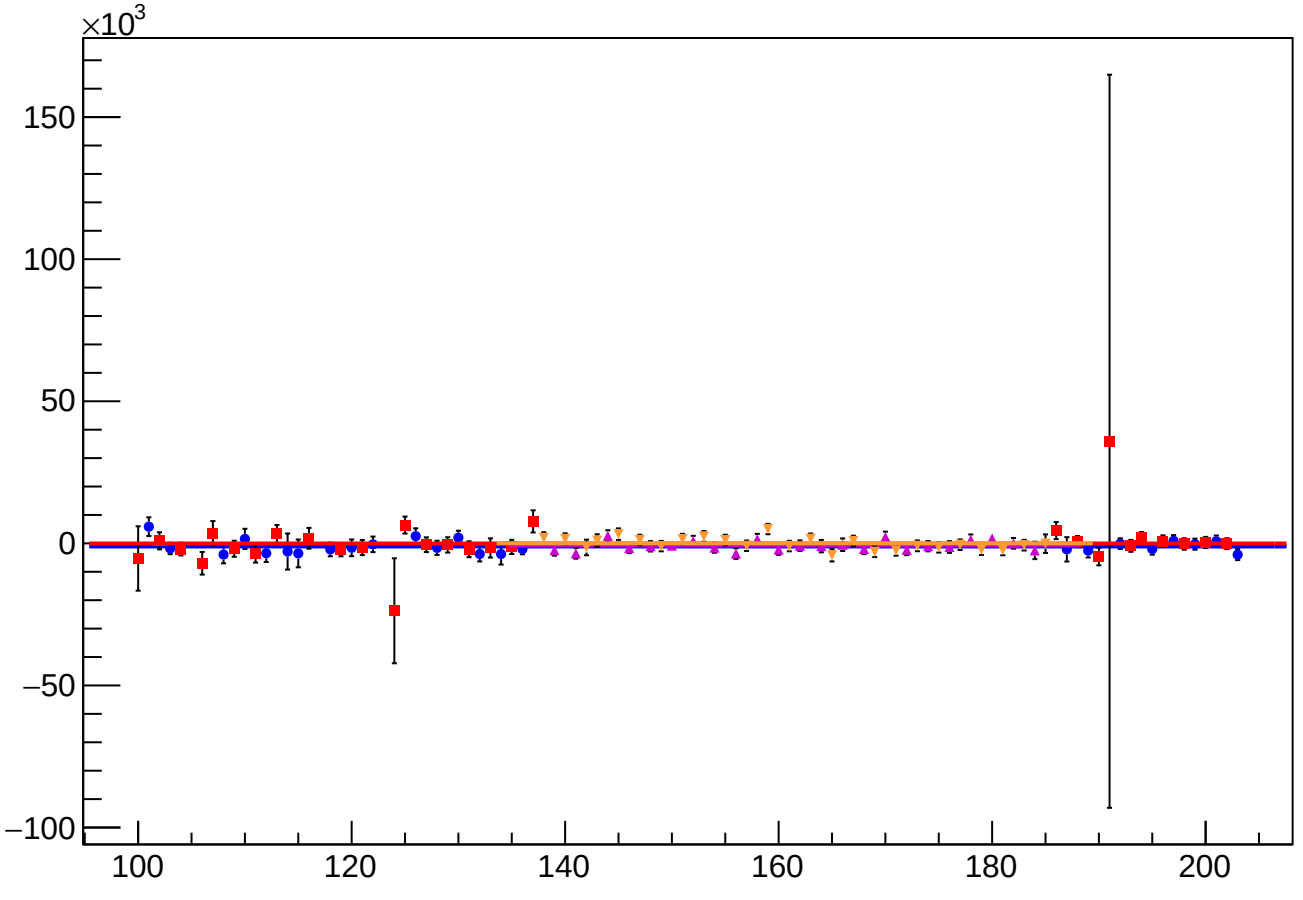
Left: 4001.121+/-0.473 χ^2/NDF: 3041954.6/47

Right: 1370.295+/-0.325 χ^2/NDF: 36683882.8/52

In: 4190.269+/-0.547 χ^2/NDF:3981104.4/46

Out: 1592.905+/-0.308 χ^2/NDF:39632523.4/53

All: 2216.219+/-0.268 χ^2/NDF: 60732859.1/



Right In: -1086.709+/-509.425 χ^2/NDF: 17.3/23

Left Out: 23.186+/-387.732 χ^2/NDF:29.5/24

Right Out: -50.262+/-500.054 χ^2/NDF: 26.6/28

Left In: -719.380+/-396.449 χ^2/NDF:19.1/22

Left: -339.844+/-277.199 χ^2/NDF: 50.3/47

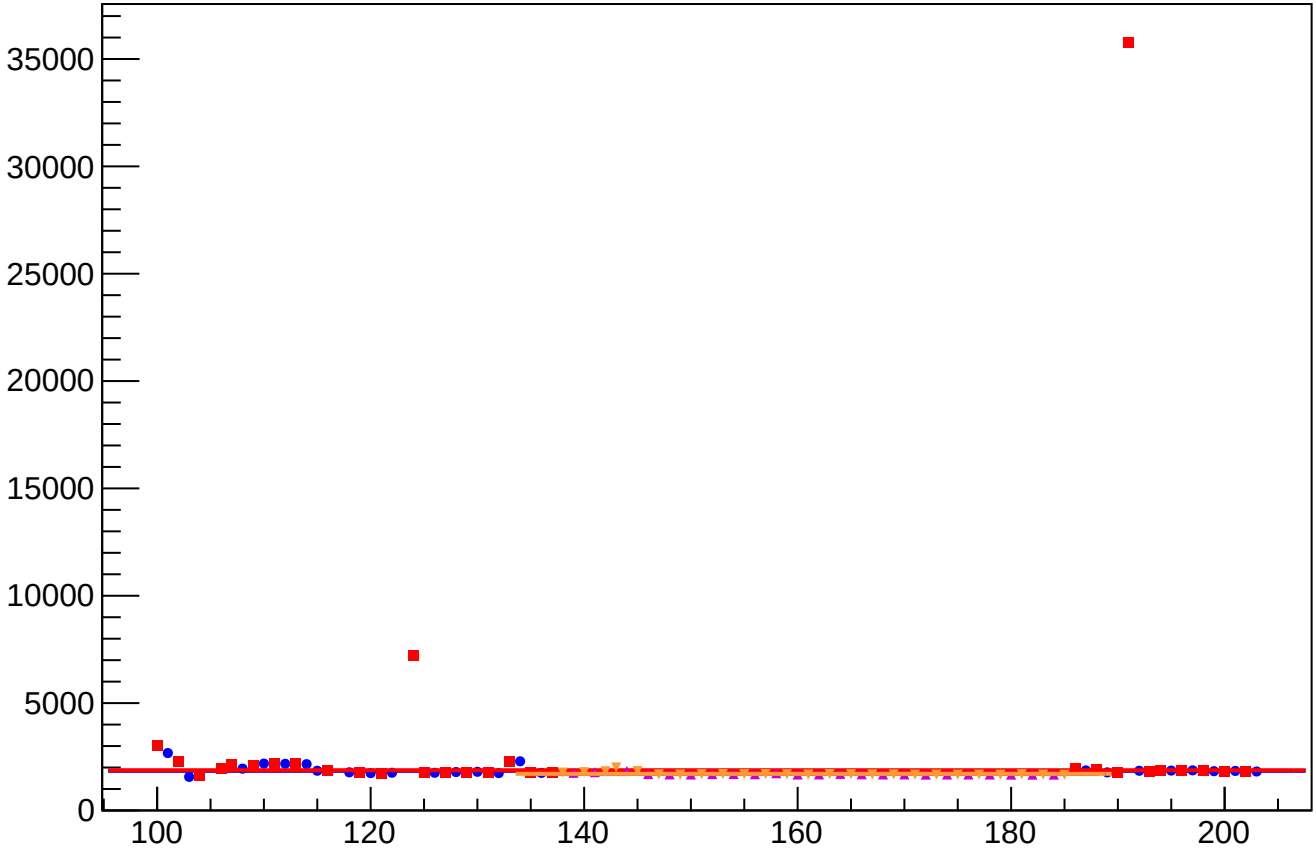
Right: -558.865+/-356.858 χ^2/NDF: 46.0/52

In: -857.935+/-312.870 χ^2/NDF:36.7/46

Out: -4.392+/-306.413 χ^2/NDF:56.1/53

All: -422.265+/-218.914 χ^2/NDF: 96.6/100

cor_asym_atl1r2_dd_rms vs Slug, Sign Corrected



Right In: 1844.531+/-0.360 χ^2/NDF: 262823.3/23

Left Out: 1705.635+/-0.274 χ^2/NDF:59928.6/24

Right Out: 1871.705+/-0.353 χ^2/NDF: 514126.5/28

Left In: 1697.514+/-0.280 χ^2/NDF:21146.9/22

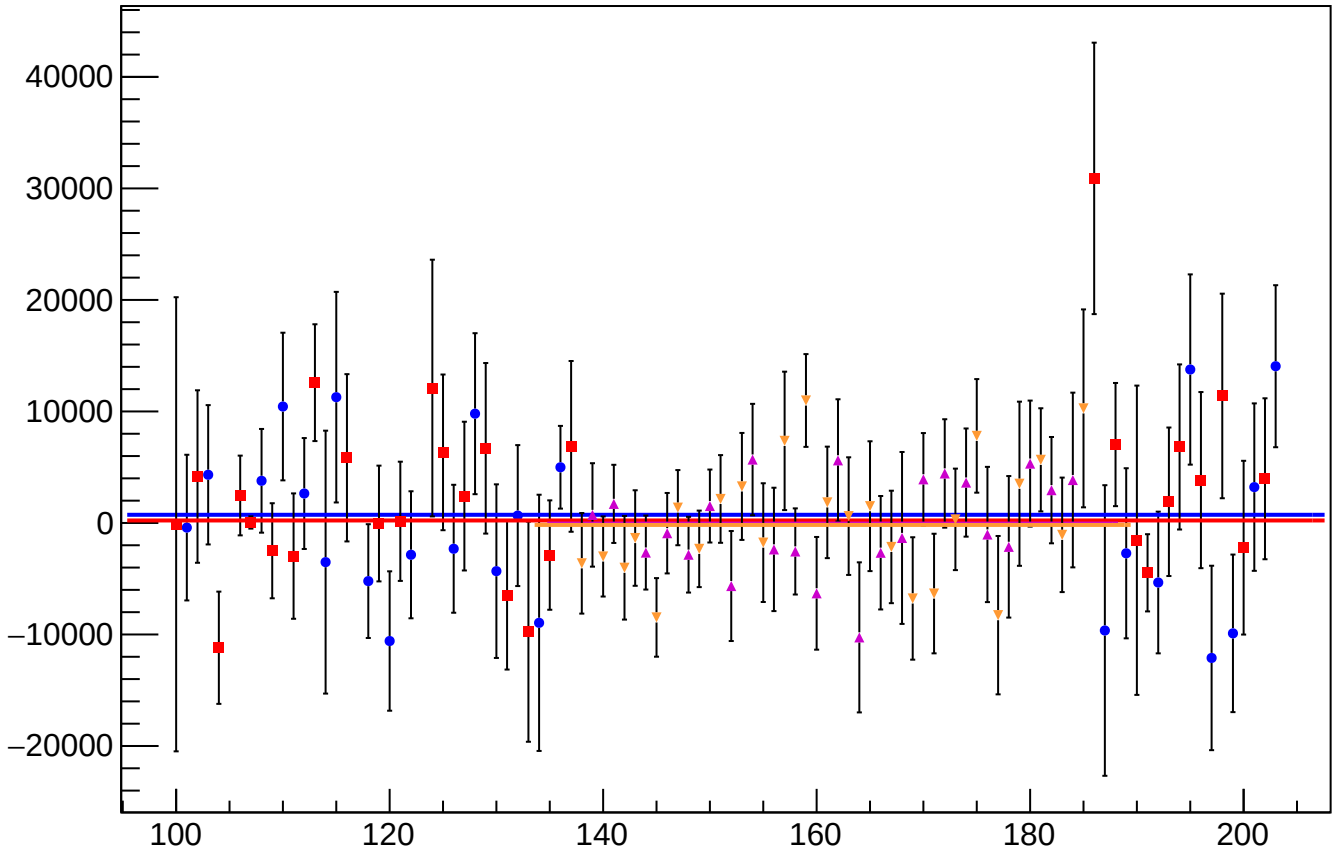
Left: 1701.665+/-0.196 χ^2/NDF: 81504.4/47

Right: 1858.384+/-0.252 χ^2/NDF: 779851.1/52

In: 1752.968+/-0.221 χ^2/NDF:387711.8/46

Out: 1768.072+/-0.217 χ^2/NDF:711998.6/53

All: 1760.680+/-0.155 χ^2/NDF: 1102090.3/10



Right In: 732.805+/-1317.470 χ^2/NDF: 26.0/23

Left Out: -175.755+/-935.140 χ^2/NDF:27.9/24

Right Out: 223.466+/-497.335 χ^2/NDF: 31.2/28

Left In: -56.377+/-956.388 χ^2/NDF:14.3/22

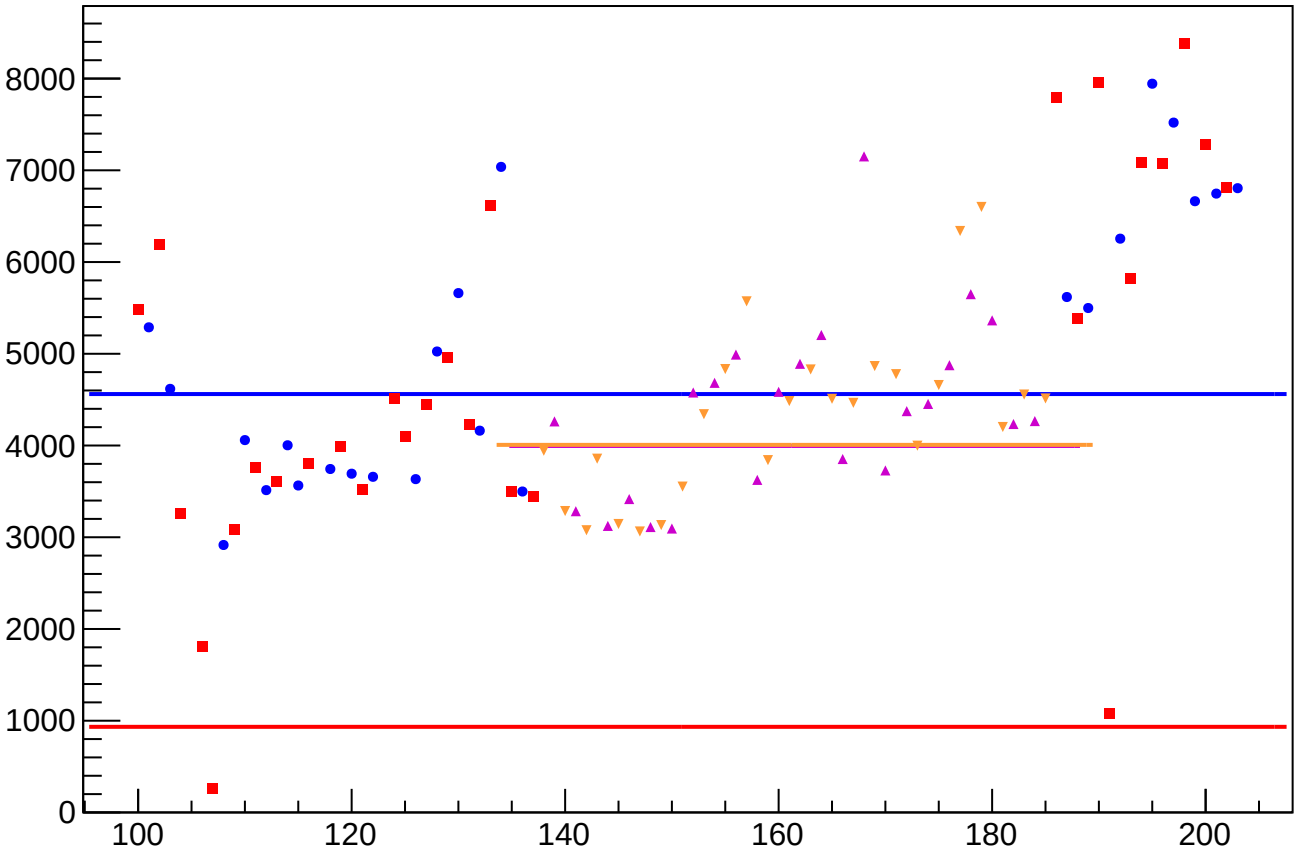
Left: -117.407+/-668.630 χ^2/NDF: 42.2/47

Right: 286.995+/-465.287 χ^2/NDF: 57.4/52

In: 215.976+/-773.960 χ^2/NDF:40.6/46

Out: 135.445+/-439.099 χ^2/NDF:59.3/53

All: 155.055+/-381.916 χ^2/NDF: 99.9/100



Right In: 4560.876+/-0.932 χ^2/NDF: 2201351.5/23

Left Out: 4006.990+/-0.661 χ^2/NDF:1503698.2/24

Right Out: 933.403+/-0.352 χ^2/NDF: 21236201.7/28

Left In: 3994.972+/-0.676 χ^2/NDF:1538098.4/22

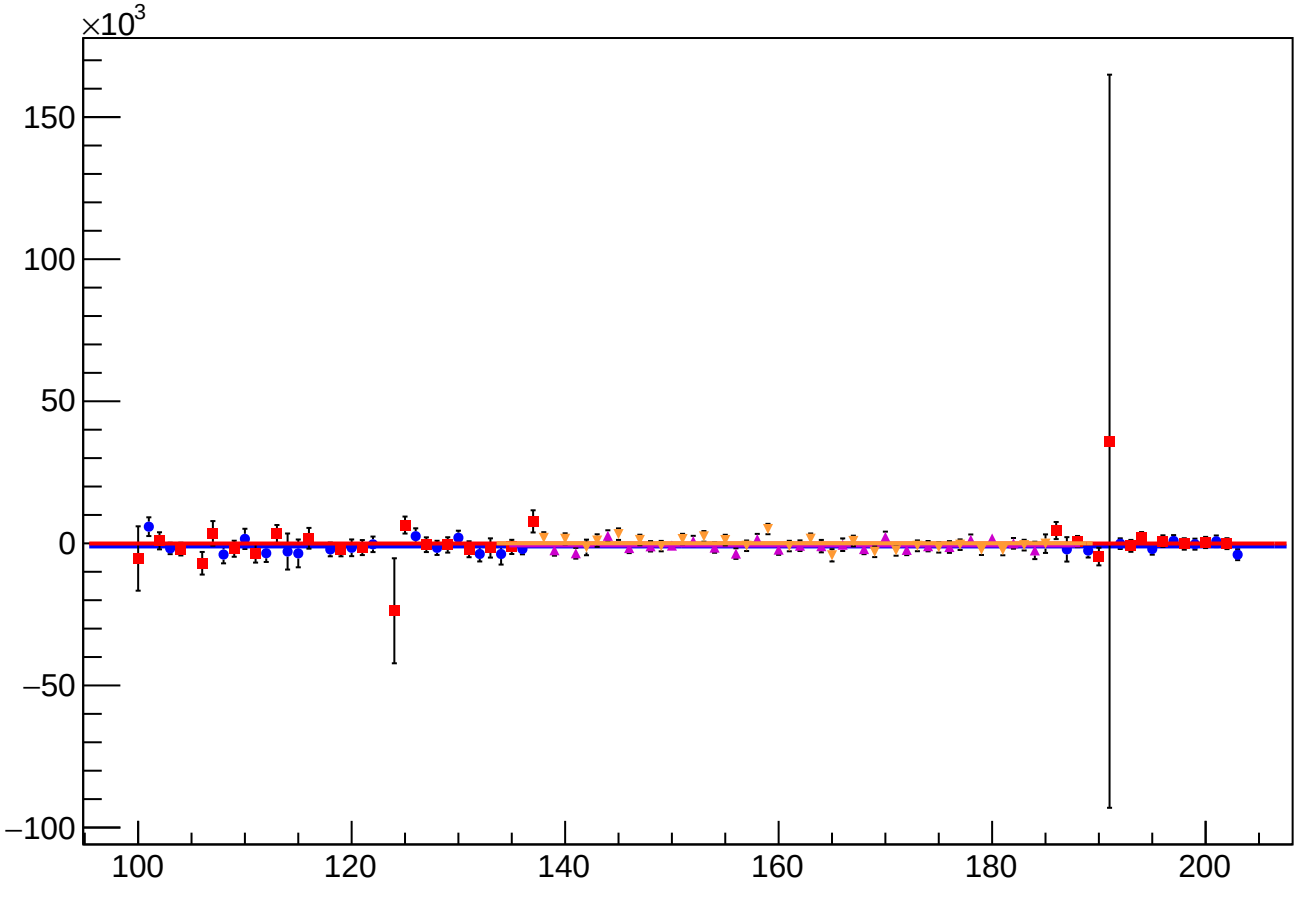
Left: 4001.116+/-0.473 χ^2/NDF: 3041958.1/47

Right: 1385.847+/-0.329 χ^2/NDF: 36708465.3/52

In: 4190.271+/-0.547 χ^2/NDF:3981108.9/46

Out: 1611.072+/-0.310 χ^2/NDF:39581934.9/53

All: 2239.104+/-0.270 χ^2/NDF: 60365464.8/1



Right In: -1086.709+/-509.425 χ^2/NDF: 17.3/23

Left Out: 23.186+/-387.732 χ^2/NDF:29.5/24

Right Out: -50.262+/-500.054 χ^2/NDF: 26.6/28

Left In: -719.380+/-396.449 χ^2/NDF:19.1/22

Left: -339.844+/-277.199 χ^2/NDF: 50.3/47

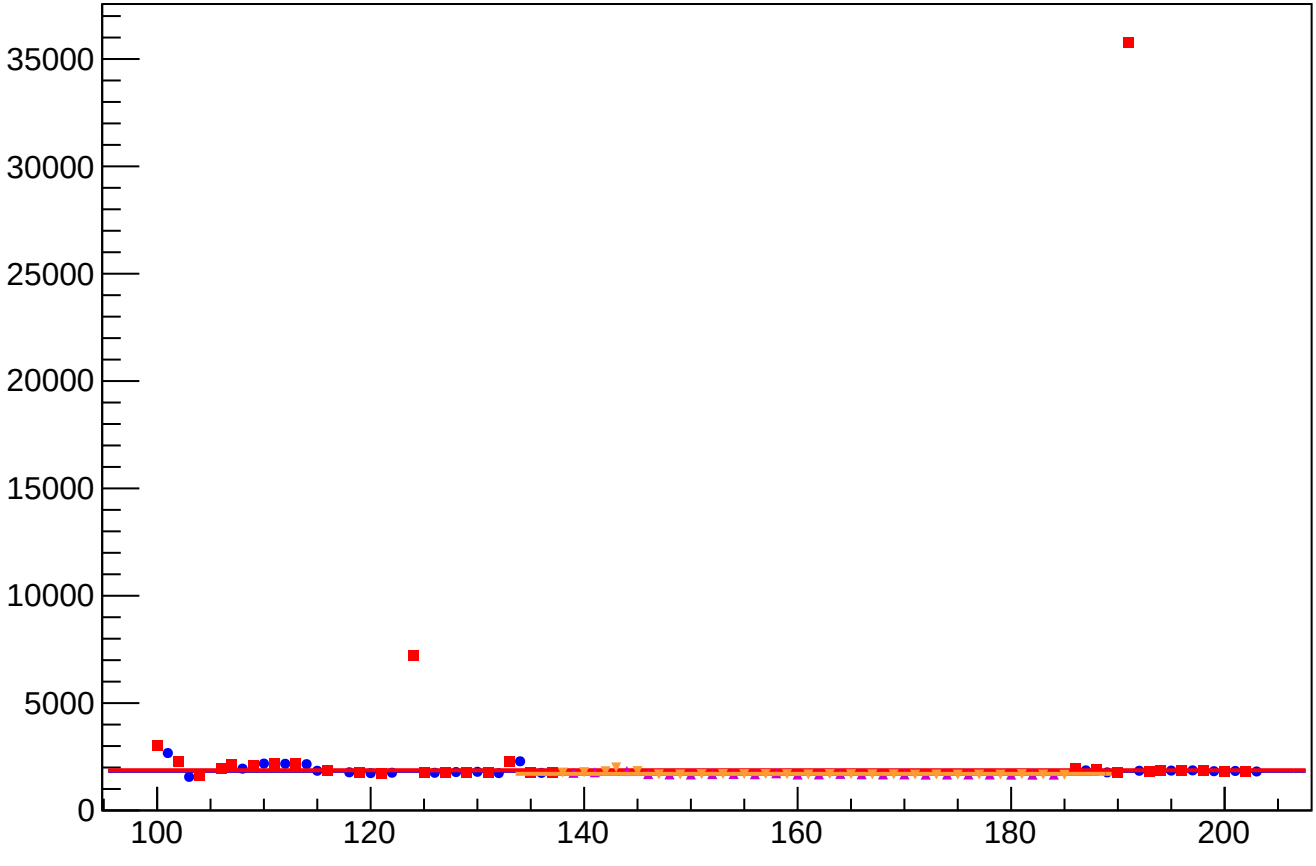
Right: -558.865+/-356.858 χ^2/NDF: 46.0/52

In: -857.935+/-312.870 χ^2/NDF:36.7/46

Out: -4.392+/-306.413 χ^2/NDF:56.1/53

All: -422.265+/-218.914 χ^2/NDF: 96.6/100

eigen_cor_asym_atl1r2_dd_rms vs Slug, Sign Corrected



Right In: 1844.531+/-0.360 χ^2/NDF: 262823.3/23

Left Out: 1705.635+/-0.274 χ^2/NDF:59928.6/24

Right Out: 1871.705+/-0.353 χ^2/NDF: 514126.5/28

Left In: 1697.514+/-0.280 χ^2/NDF:21146.9/22

Left: 1701.665+/-0.196 χ^2/NDF: 81504.4/47

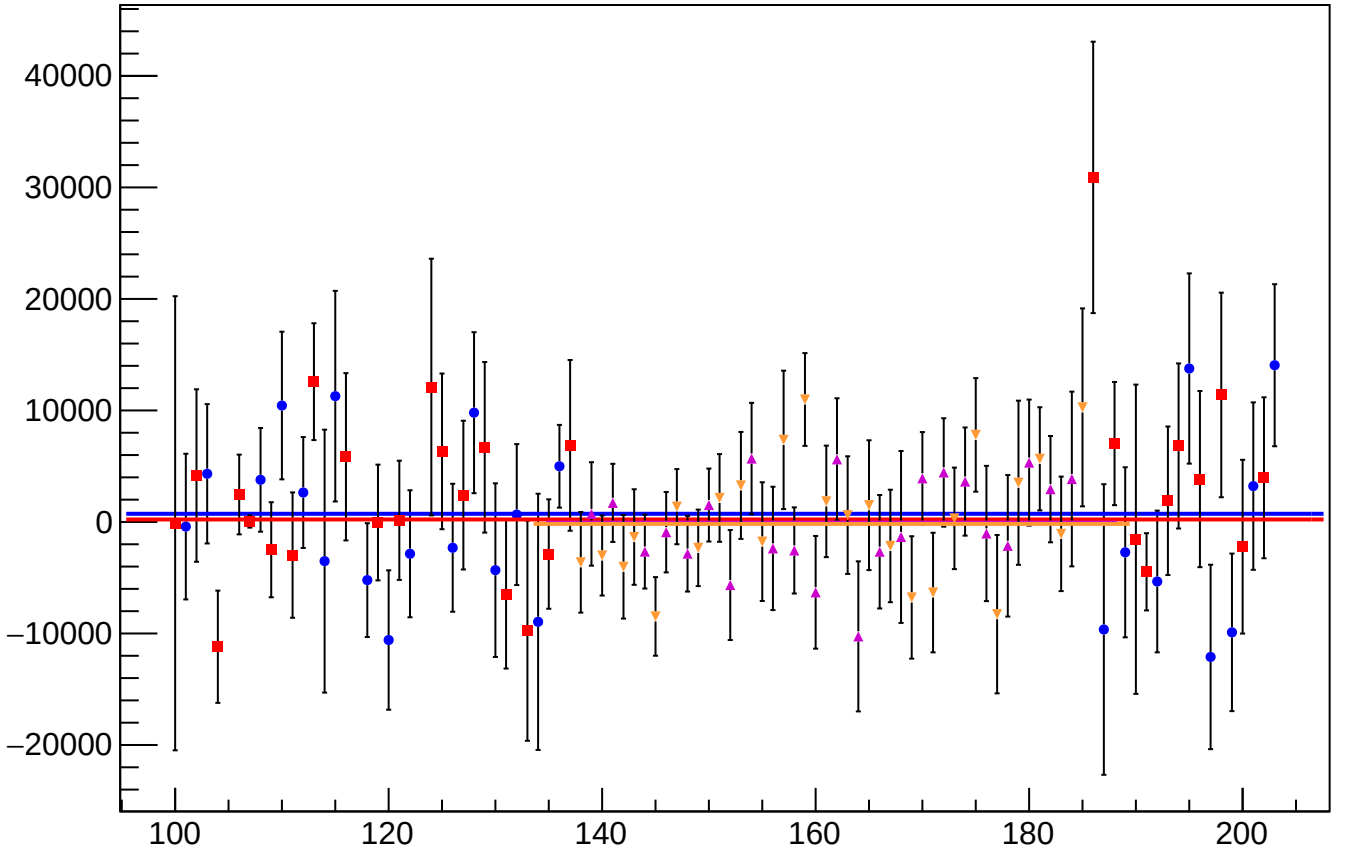
Right: 1858.384+/-0.252 χ^2/NDF: 779851.1/52

In: 1752.968+/-0.221 χ^2/NDF:387711.8/46

Out: 1768.072+/-0.217 χ^2/NDF:711998.6/53

All: 1760.680+/-0.155 χ^2/NDF: 1102090.3/10

asym_atl1r2_dd_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: 732.805+/-1317.470 χ^2/NDF: 26.0/23

Left Out: -175.755+/-935.140 χ^2/NDF:27.9/24

Right Out: 223.466+/-497.335 χ^2/NDF: 31.2/28

Left In: -56.377+/-956.388 χ^2/NDF:14.3/22

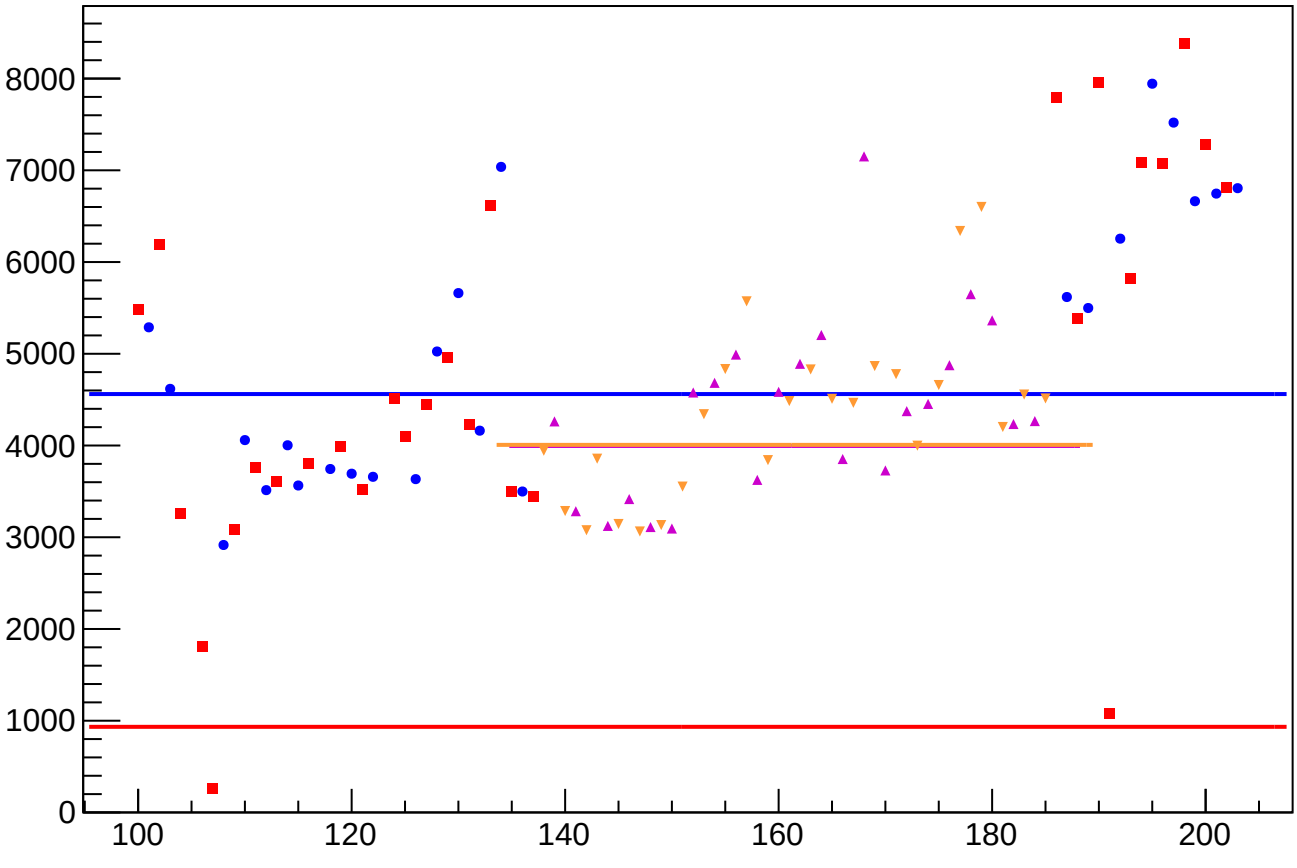
Left: -117.407+/-668.630 χ^2/NDF: 42.2/47

Right: 286.995+/-465.287 χ^2/NDF: 57.4/52

In: 215.976+/-773.960 χ^2/NDF:40.6/46

Out: 135.445+/-439.099 χ^2/NDF:59.3/53

All: 155.055+/-381.916 χ^2/NDF: 99.9/100



Right In: 4560.876+/-0.932 χ^2/NDF: 2201351.5/23

Left Out: 4006.990+/-0.661 χ^2/NDF:1503698.2/24

Right Out: 933.403+/-0.352 χ^2/NDF: 21236201.7/28

Left In: 3994.972+/-0.676 χ^2/NDF:1538098.4/22

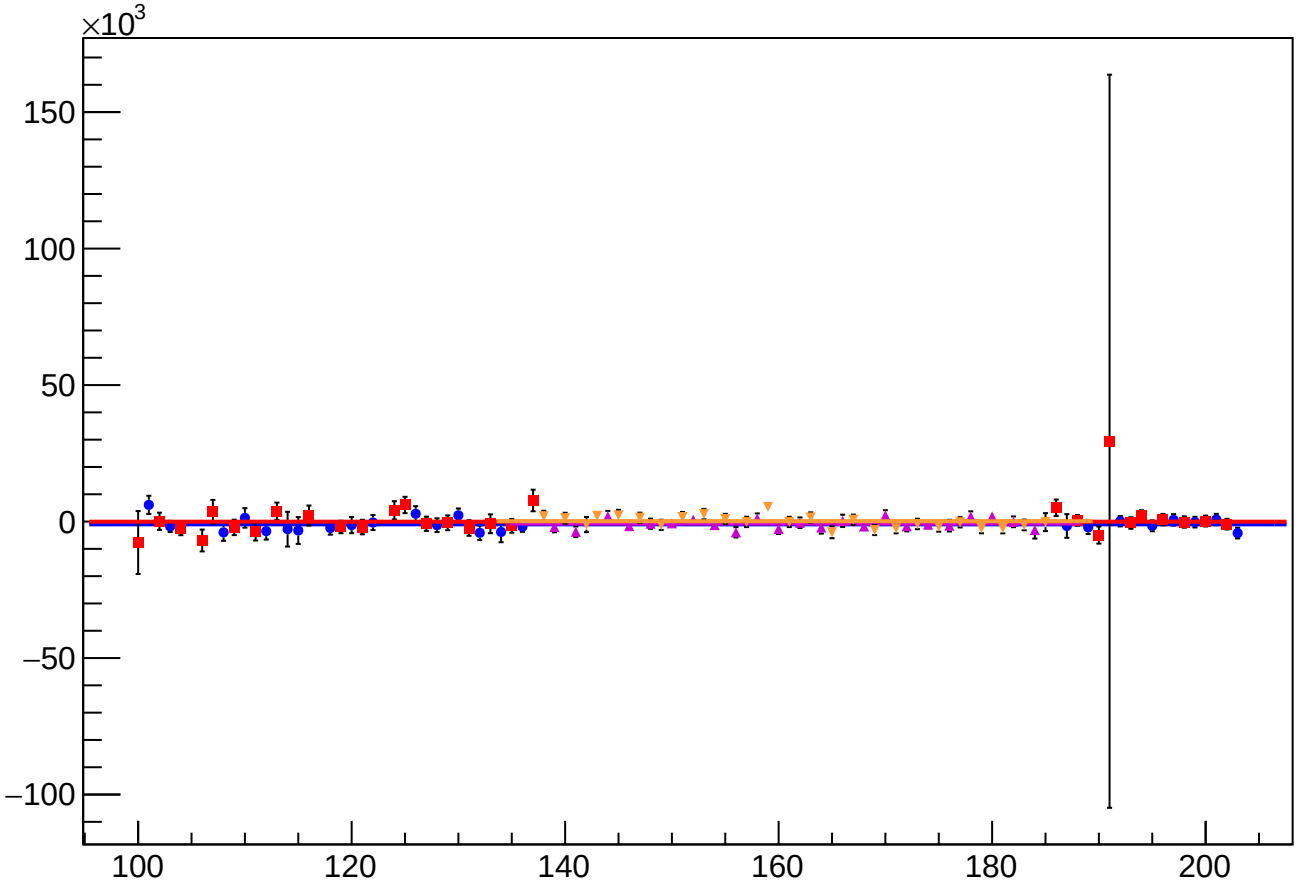
Left: 4001.116+/-0.473 χ^2/NDF: 3041958.1/47

Right: 1385.847+/-0.329 χ^2/NDF: 36708465.3/52

In: 4190.271+/-0.547 χ^2/NDF:3981108.9/46

Out: 1611.072+/-0.310 χ^2/NDF:39581934.9/53

All: 2239.104+/-0.270 χ^2/NDF: 60365464.8/1



Right In: -1023.126+/-515.223 χ^2/NDF: 18.0/23

Left Out: 119.959+/-389.458 χ^2/NDF:29.7/24

Right Out: -44.083+/-501.576 χ^2/NDF: 28.2/28

Left In: -741.191+/-404.161 χ^2/NDF:19.0/22

Left: -294.668+/-280.442 χ^2/NDF: 51.1/47

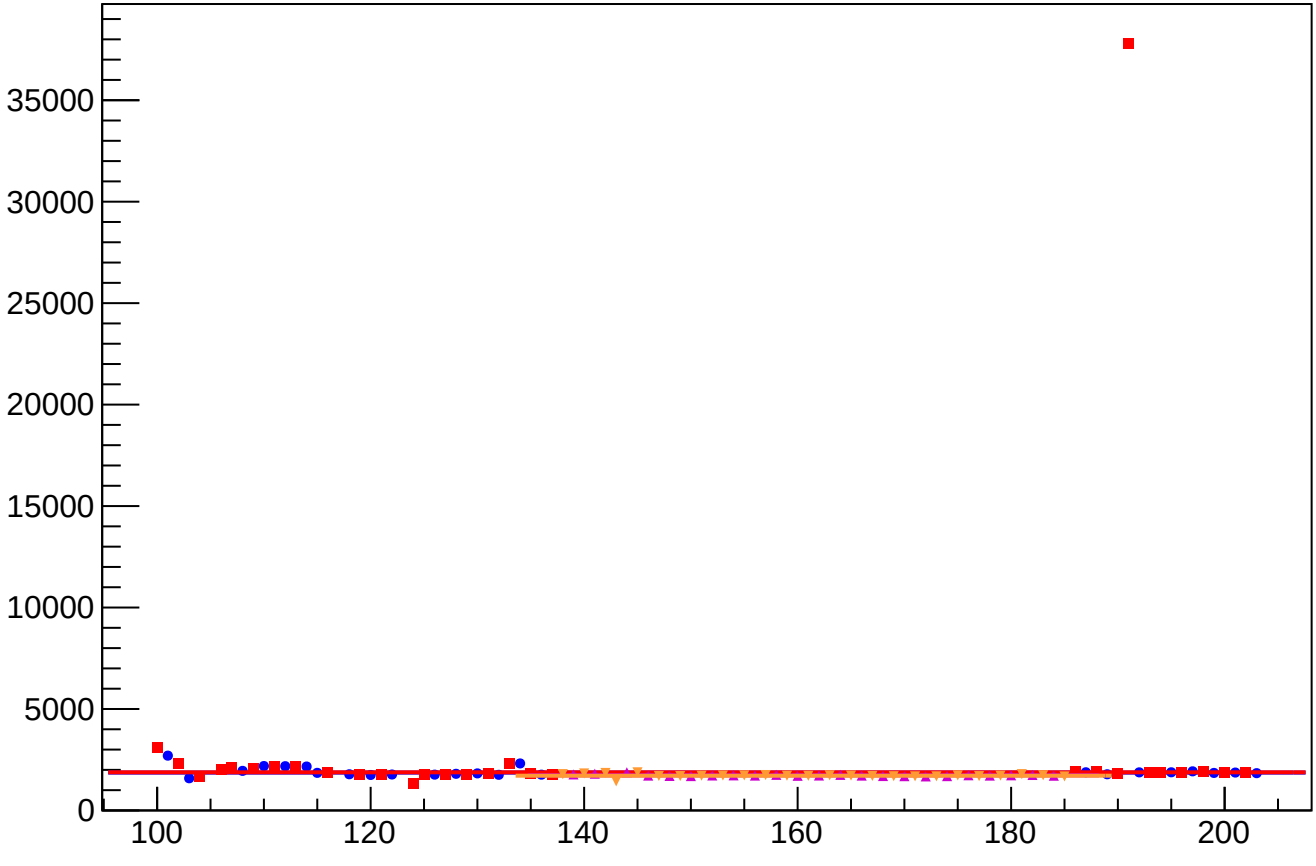
Right: -520.467+/-359.396 χ^2/NDF: 48.1/52

In: -848.590+/-317.996 χ^2/NDF:37.2/46

Out: 58.257+/-307.615 χ^2/NDF:58.0/53

All: -380.122+/-221.095 χ^2/NDF: 99.4/100

dit_asym_atl1r2_dd_rms vs Slug, Sign Corrected



Right In: 1865.339+/-0.364 χ^2/NDF: 261056.8/23

Left Out: 1712.310+/-0.275 χ^2/NDF:94399.0/24

Right Out: 1879.685+/-0.355 χ^2/NDF: 409785.7/28

Left In: 1730.342+/-0.286 χ^2/NDF:23075.7/22

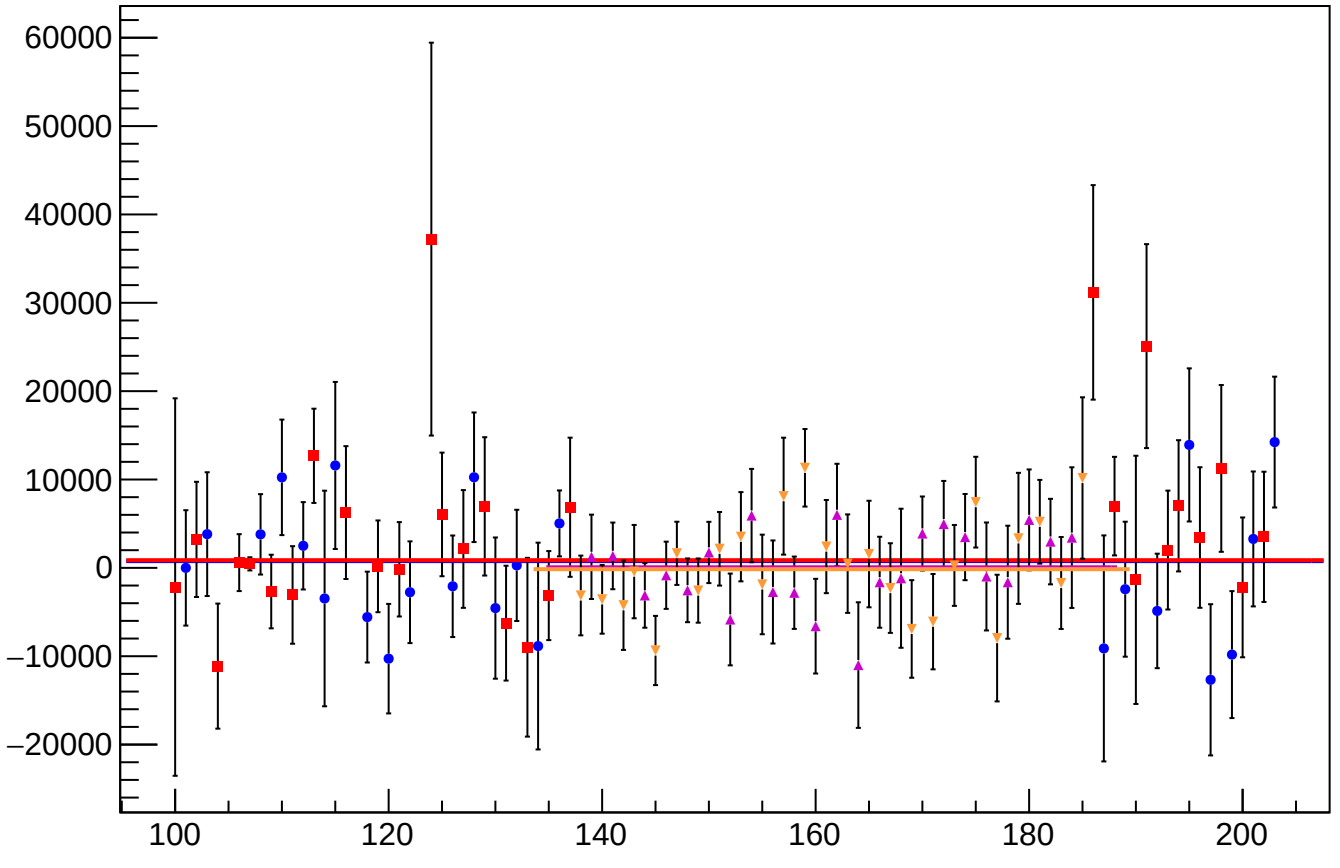
Left: 1720.992+/-0.198 χ^2/NDF: 119539.0/47

Right: 1872.708+/-0.254 χ^2/NDF: 671638.9/52

In: 1781.767+/-0.225 χ^2/NDF:369134.0/46

Out: 1775.298+/-0.217 χ^2/NDF:643200.4/53

All: 1778.425+/-0.156 χ^2/NDF: 1012762.0/10



Right In: 763.805+/-1329.087 χ^2/NDF: 25.6/23

Left Out: -150.169+/-984.984 χ^2/NDF:26.9/24

Right Out: 868.640+/-637.679 χ^2/NDF: 31.4/28

Left In: 65.169+/-1000.106 χ^2/NDF:14.0/22

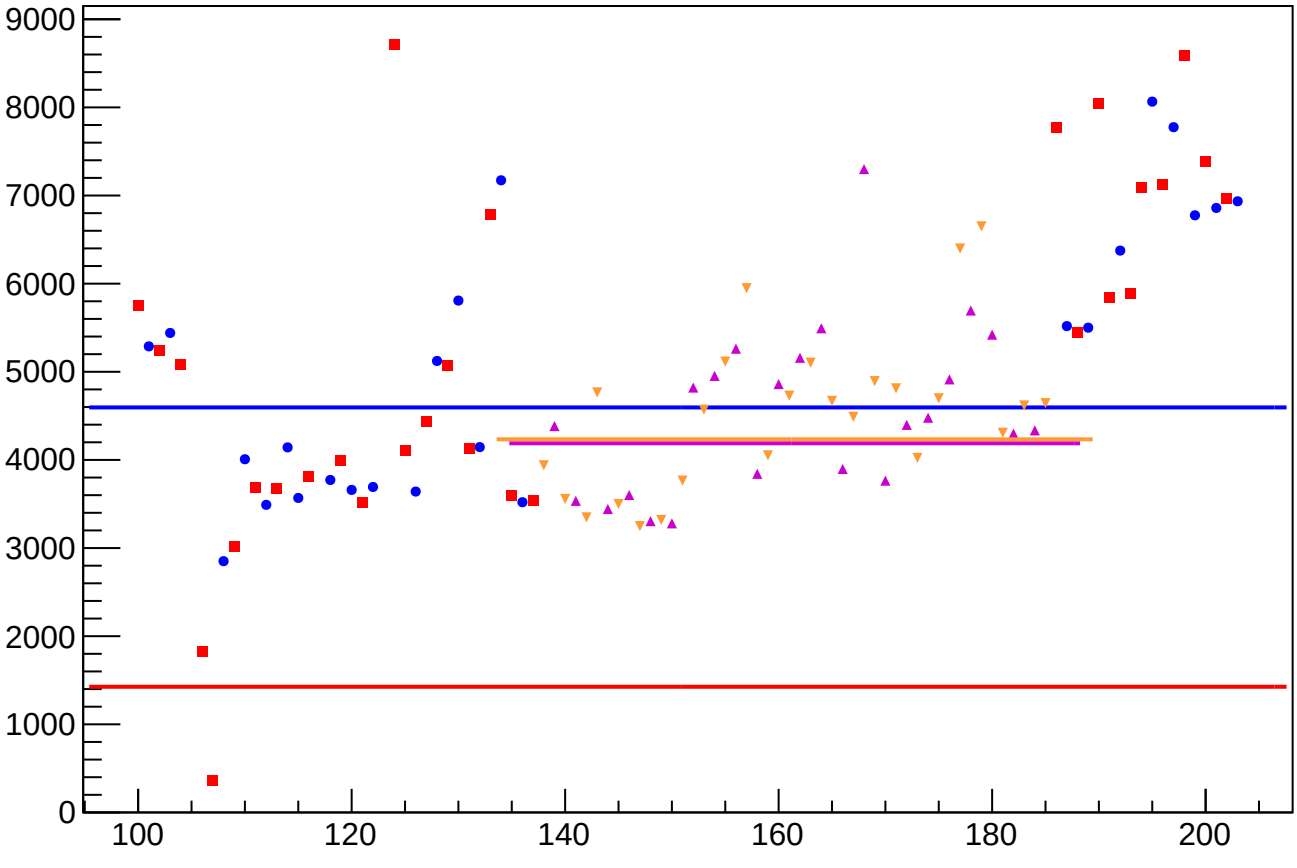
Left: -44.140+/-701.774 χ^2/NDF: 40.9/47

Right: 849.023+/-574.930 χ^2/NDF: 57.1/52

In: 317.740+/-799.134 χ^2/NDF:39.8/46

Out: 567.743+/-535.293 χ^2/NDF:59.1/53

All: 490.313+/-444.738 χ^2/NDF: 98.9/100



Right In: 4595.602+/-0.940 χ^2/NDF: 2364788.9/23

Left Out: 4233.905+/-0.696 χ^2/NDF:1284783.2/24

Right Out: 1426.245+/-0.451 χ^2/NDF: 18931653.1/28

Left In: 4188.874+/-0.707 χ^2/NDF:1344602.0/22

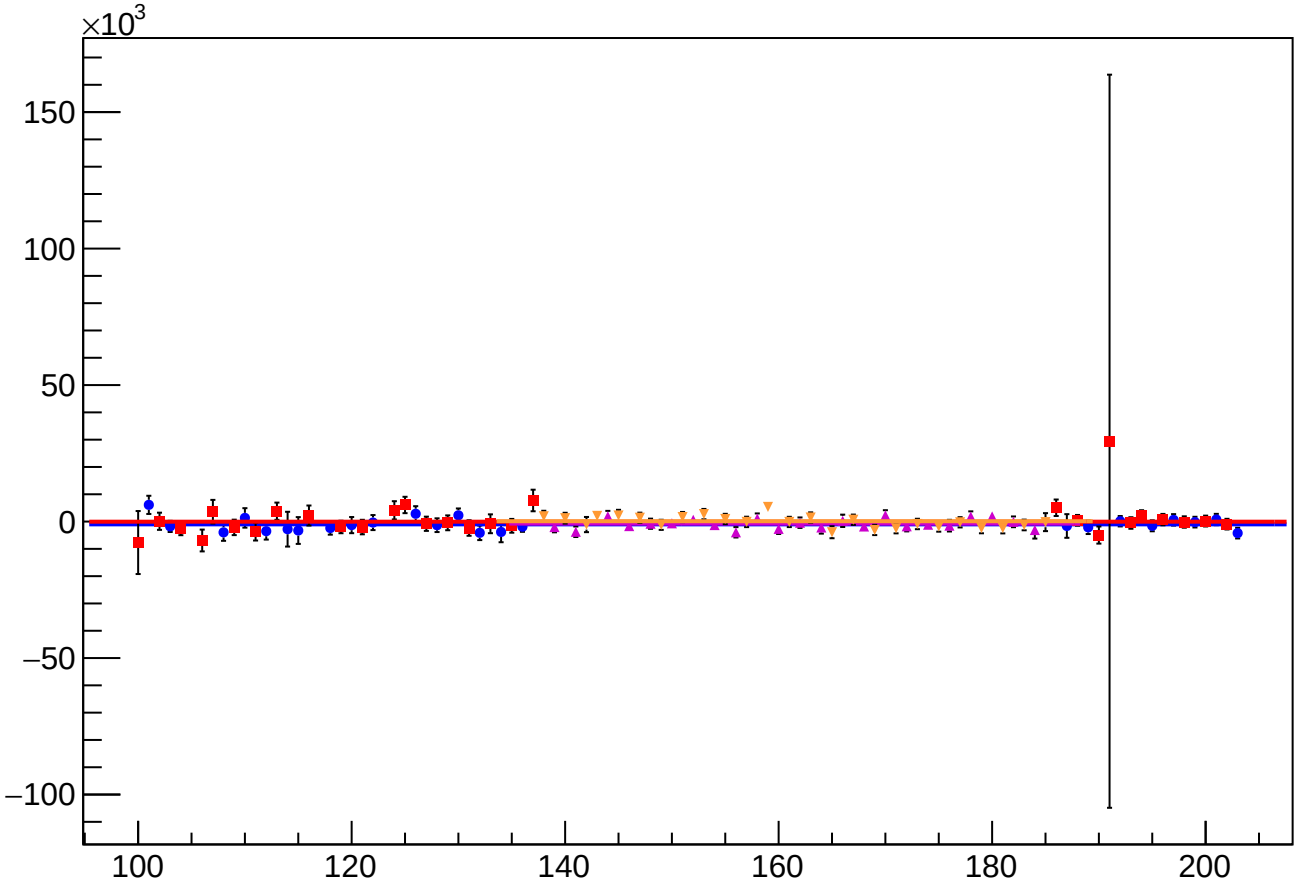
Left: 4211.733+/-0.496 χ^2/NDF: 2631443.5/47

Right: 2019.299+/-0.407 χ^2/NDF: 30541111.4/52

In: 4335.914+/-0.565 χ^2/NDF:3828976.3/46

Out: 2255.463+/-0.379 χ^2/NDF:31667331.4/53

All: 2899.820+/-0.314 χ^2/NDF: 44853190.6/



Right In: -1023.126+/-515.223 χ^2/NDF: 18.0/23

Left Out: 119.962+/-389.458 χ^2/NDF:29.7/24

Right Out: -44.084+/-501.576 χ^2/NDF: 28.2/28

Left In: -741.189+/-404.161 χ^2/NDF:19.0/22

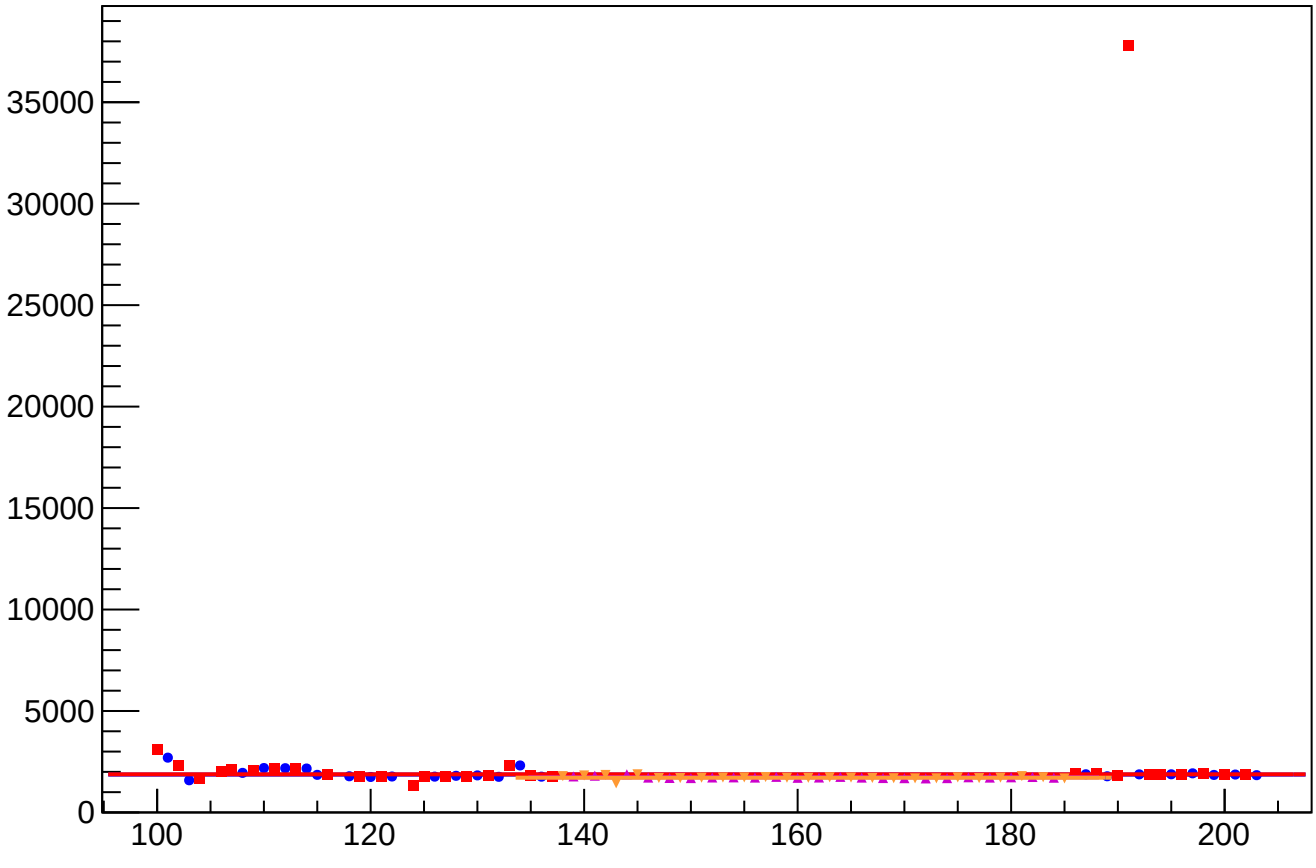
Left: -294.666+/-280.442 χ^2/NDF: 51.1/47

Right: -520.467+/-359.396 χ^2/NDF: 48.1/52

In: -848.590+/-317.996 χ^2/NDF:37.2/46

Out: 58.259+/-307.615 χ^2/NDF:58.0/53

All: -380.121+/-221.095 χ^2/NDF: 99.4/100



Right In: 1865.339+/-0.364 χ^2/NDF: 261056.7/23

Left Out: 1712.310+/-0.275 χ^2/NDF:94398.1/24

Right Out: 1879.685+/-0.355 χ^2/NDF: 409786.0/28

Left In: 1730.342+/-0.286 χ^2/NDF:23075.7/22

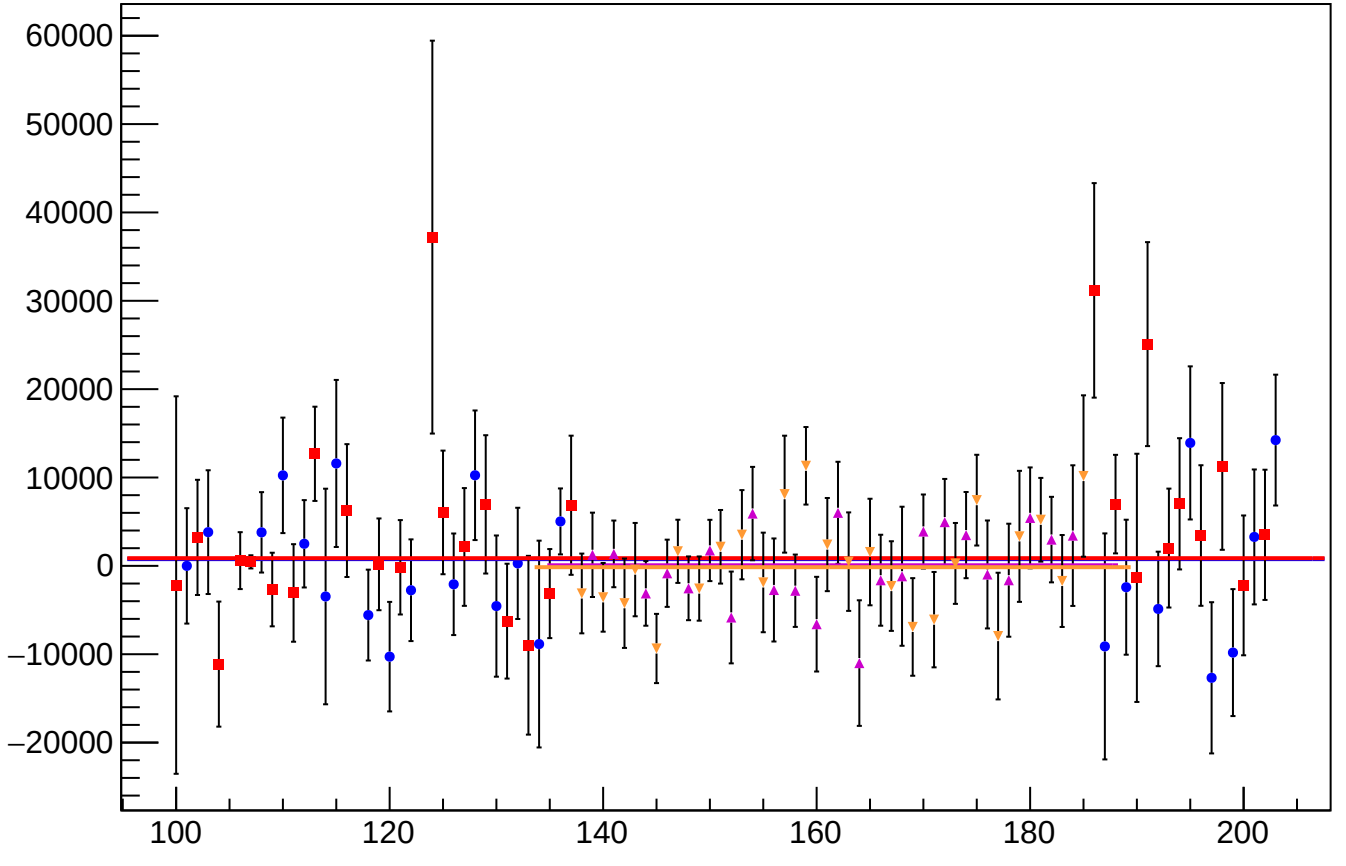
Left: 1720.992+/-0.198 χ^2/NDF: 119538.1/47

Right: 1872.708+/-0.254 χ^2/NDF: 671639.2/52

In: 1781.768+/-0.225 χ^2/NDF:369133.2/46

Out: 1775.299+/-0.217 χ^2/NDF:643199.0/53

All: 1778.425+/-0.156 χ^2/NDF: 1012759.7/10



Right In: 763.791+/-1329.086 χ^2/NDF: 25.6/23

Left Out: -150.169+/-984.986 χ^2/NDF:26.9/24

Right Out: 868.658+/-637.689 χ^2/NDF: 31.4/28

Left In: 65.171+/-1000.108 χ^2/NDF:14.0/22

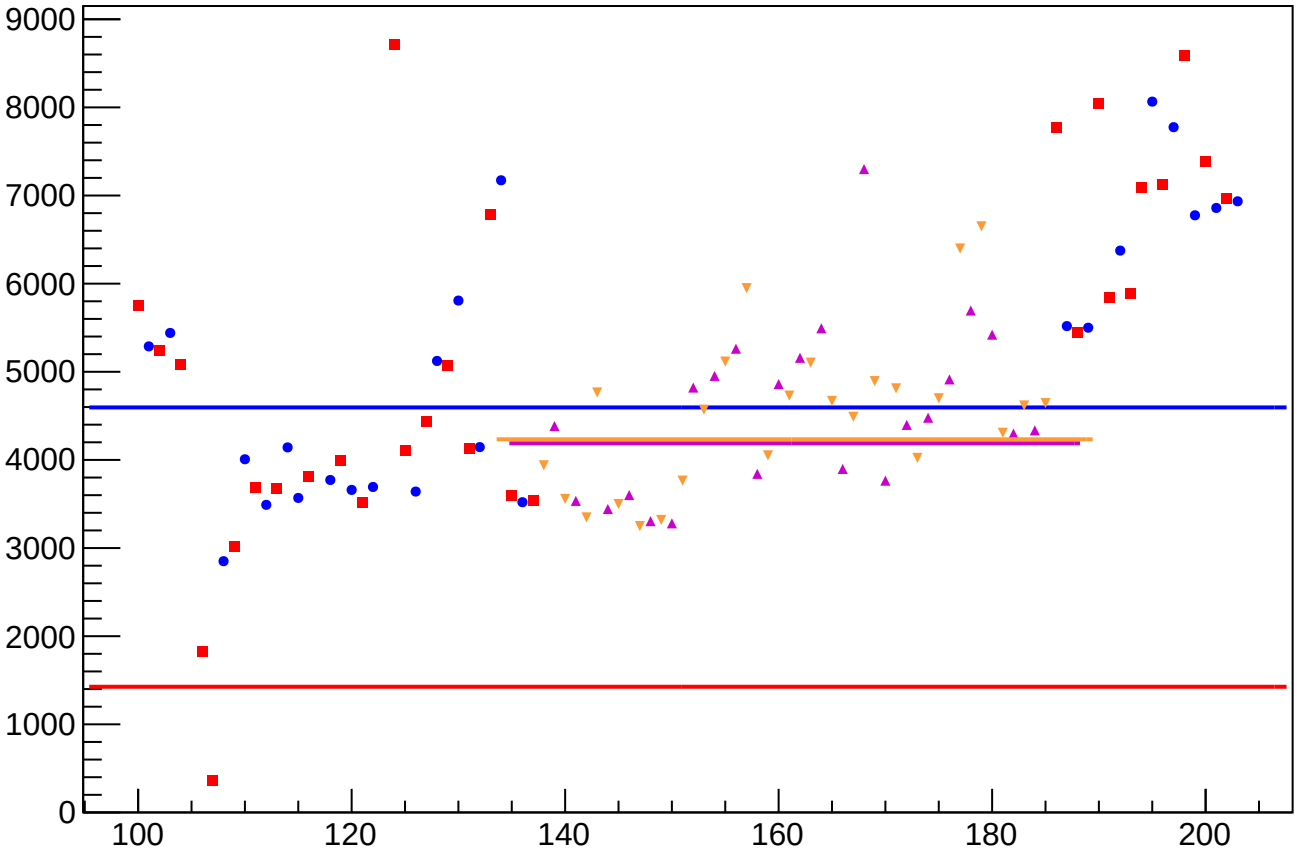
Left: -44.139+/-701.775 χ^2/NDF: 40.9/47

Right: 849.034+/-574.937 χ^2/NDF: 57.1/52

In: 317.737+/-799.135 χ^2/NDF:39.8/46

Out: 567.750+/-535.299 χ^2/NDF:59.1/53

All: 490.315+/-444.741 χ^2/NDF: 98.9/100



Right In: 4595.596+/-0.940 χ^2/NDF: 2364802.8/23

Left Out: 4233.911+/-0.696 χ^2/NDF:1284785.6/24

Right Out: 1426.284+/-0.451 χ^2/NDF: 18931410.4/28

Left In: 4188.880+/-0.707 χ^2/NDF:1344607.0/22

Left: 4211.738+/-0.496 χ^2/NDF: 2631450.8/47

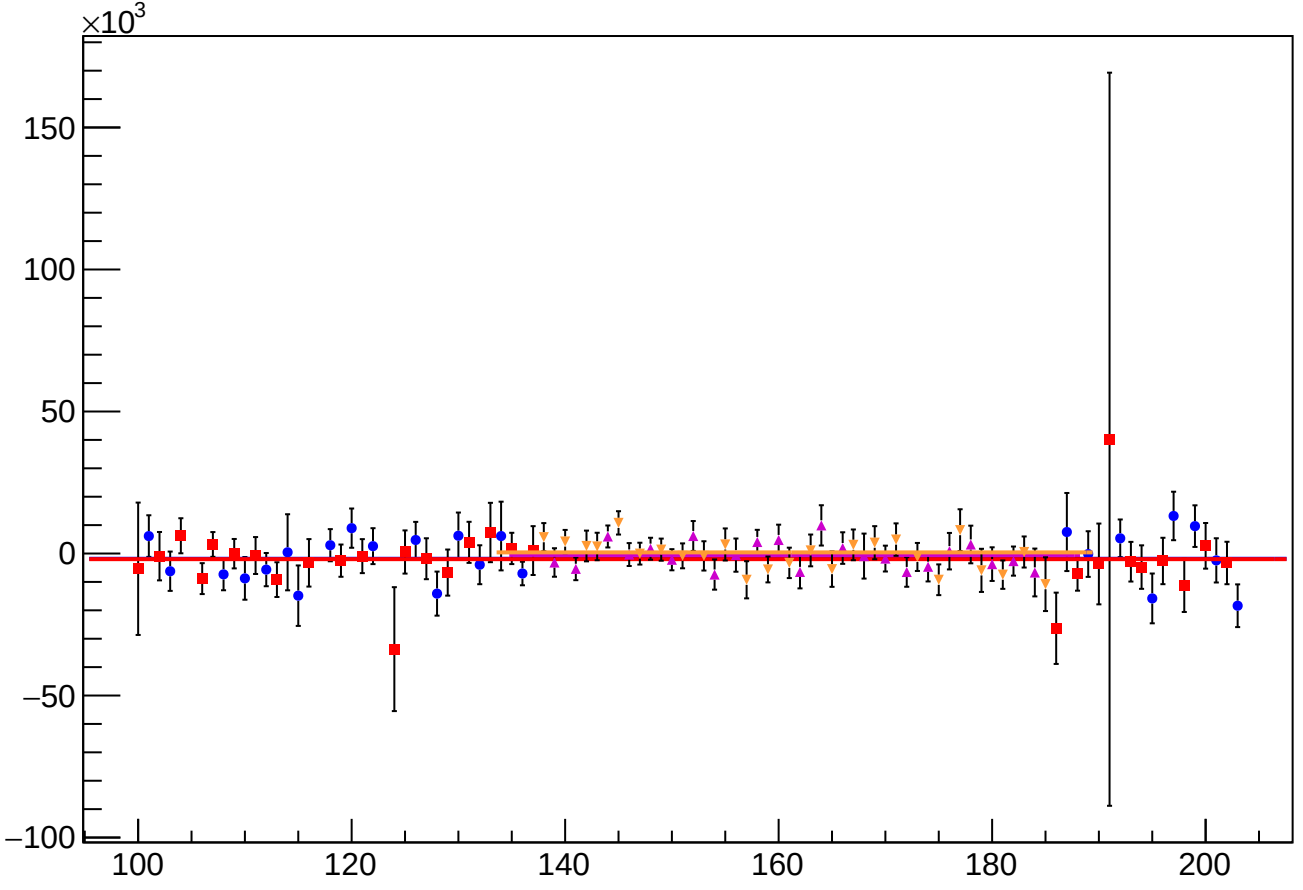
Right: 2019.345+/-0.407 χ^2/NDF: 30540580.9/52

In: 4335.917+/-0.565 χ^2/NDF:3828988.3/46

Out: 2255.509+/-0.379 χ^2/NDF:31666690.0/53

All: 2899.861+/-0.314 χ^2/NDF: 44852095.4/1

asym_atl1r2_dd_mean vs Slug, Sign Corrected



Right In: -1850.639+/-1450.351 χ^2/NDF: 30.3/23

Left Out: 398.336+/-1028.431 χ^2/NDF:24.7/24

Right Out: -1983.016+/-1341.835 χ^2/NDF: 17.2/28

Left In: -502.999+/-1049.682 χ^2/NDF:17.3/22

Left: -43.115+/-734.609 χ^2/NDF: 42.4/47

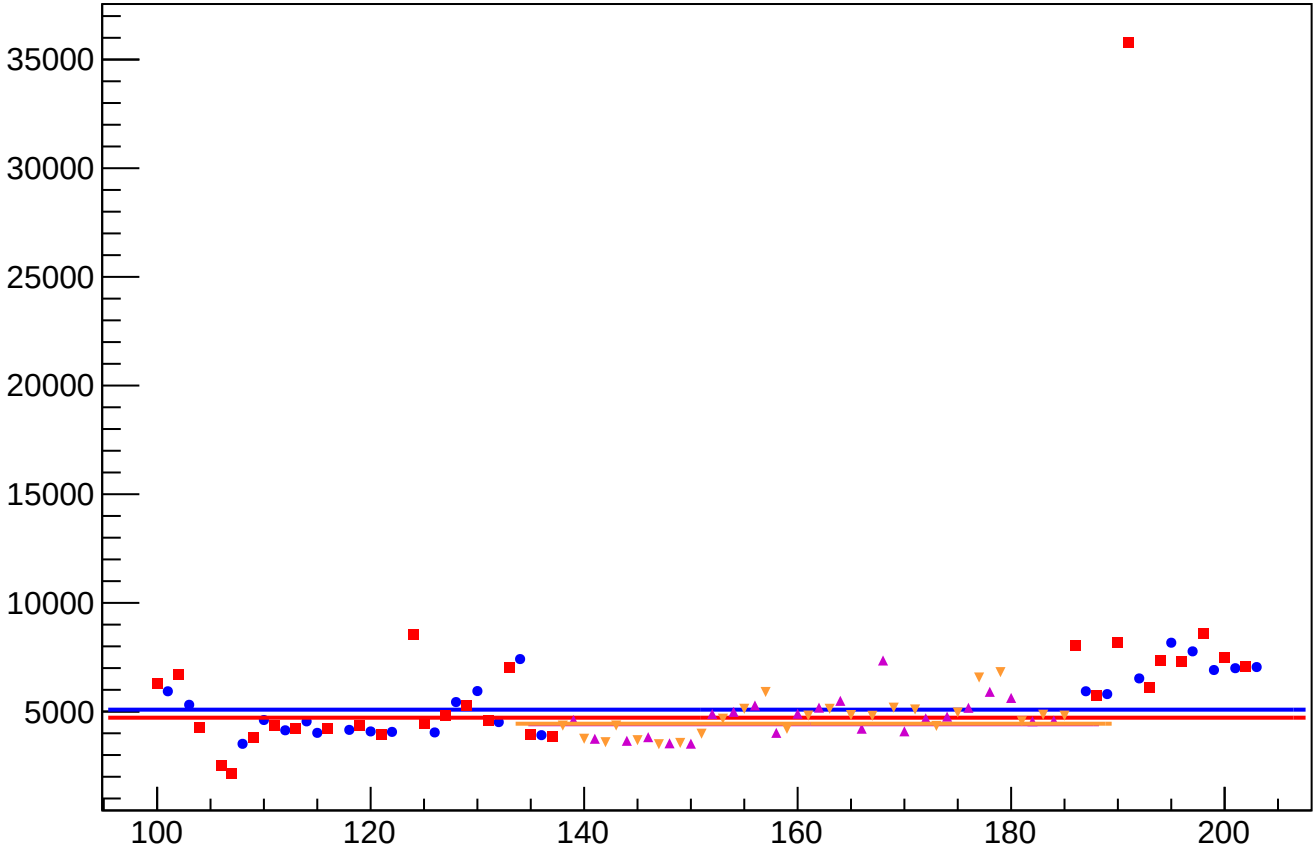
Right: -1921.965+/-984.952 χ^2/NDF: 47.5/52

In: -966.247+/-850.341 χ^2/NDF:48.2/46

Out: -482.881+/-816.260 χ^2/NDF:43.9/53

All: -714.684+/-588.863 χ^2/NDF: 92.3/100

asym_atl1r2_dd_rms vs Slug, Sign Corrected



Right In: 5087.114+/-1.026 χ^2/NDF: 1688864.3/23

Left Out: 4440.810+/-0.727 χ^2/NDF:1073119.1/24

Right Out: 4717.763+/-0.942 χ^2/NDF: 3334134.9/28

Left In: 4415.366+/-0.742 χ^2/NDF:1111411.1/22

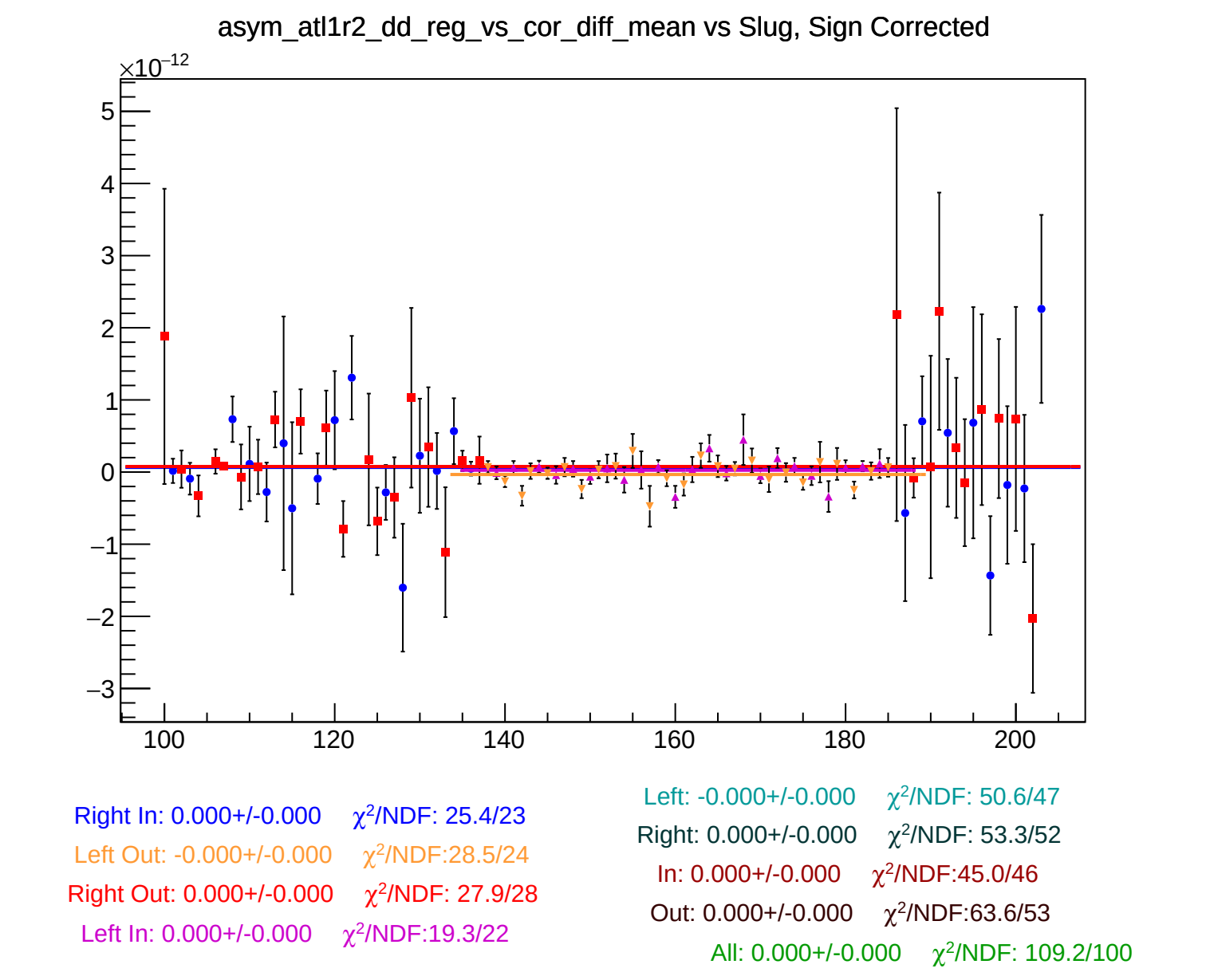
Left: 4428.348+/-0.519 χ^2/NDF: 2185129.8/47

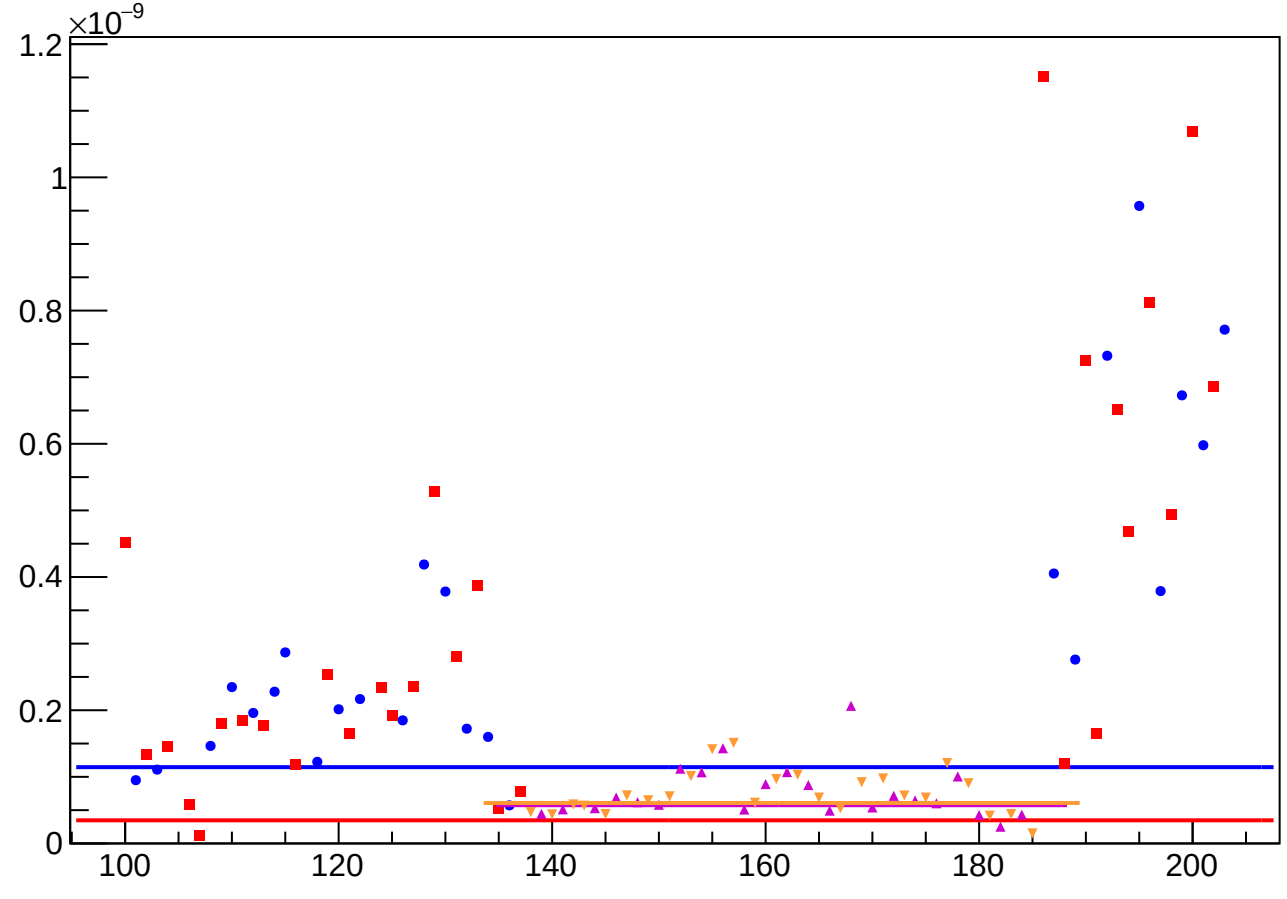
Right: 4886.726+/-0.694 χ^2/NDF: 5093370.1/52

In: 4646.278+/-0.601 χ^2/NDF:3081832.7/46

Out: 4544.269+/-0.576 χ^2/NDF:4461436.1/53

All: 4593.046+/-0.416 χ^2/NDF: 7558288.2/10


asym_atl1r2_dd_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
5
4
3
2
1
0
−1
−2
−3
100
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 25.4/23
Left Out: -0.000+/-0.000 χ²/NDF:28.5/24
Right Out: 0.000+/-0.000 χ²/NDF: 27.9/28
Left In: 0.000+/-0.000 χ²/NDF:19.3/22
Left: -0.000+/-0.000 χ²/NDF: 50.6/47
Right: 0.000+/-0.000 χ²/NDF: 53.3/52
In: 0.000+/-0.000 χ²/NDF:45.0/46
Out: 0.000+/-0.000 χ²/NDF:63.6/53
All: 0.000+/-0.000 χ²/NDF: 109.2/100



Right In: 0.000+/-0.000 χ^2/NDF: 4873483.9/23

Left Out: 0.000+/-0.000 χ^2/NDF:1723737.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 9340327.4/28

Left In: 0.000+/-0.000 χ^2/NDF:1878360.3/22

Left: 0.000+/-0.000 χ^2/NDF: 3620409.0/47

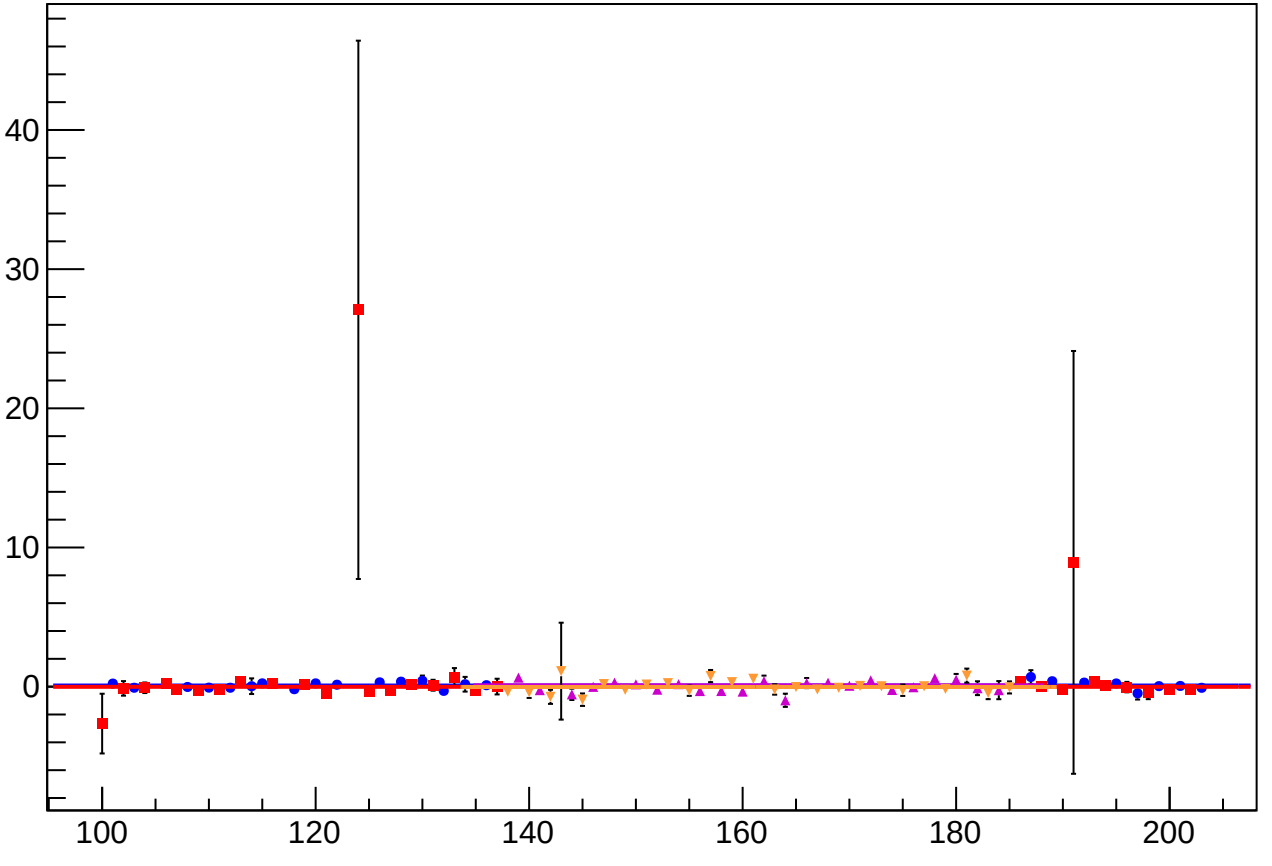
Right: 0.000+/-0.000 χ^2/NDF: 16509559.1/52

In: 0.000+/-0.000 χ^2/NDF:8039657.4/46

Out: 0.000+/-0.000 χ^2/NDF:11863901.6/53

All: 0.000+/-0.000 χ^2/NDF: 20260378.6/100

asym_atl1r2_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.082+/-0.056 χ^2/NDF: 14.2/23

Left Out: -0.024+/-0.062 χ^2/NDF:23.5/24

Right Out: -0.010+/-0.049 χ^2/NDF: 28.0/28

Left In: 0.095+/-0.063 χ^2/NDF:31.5/22

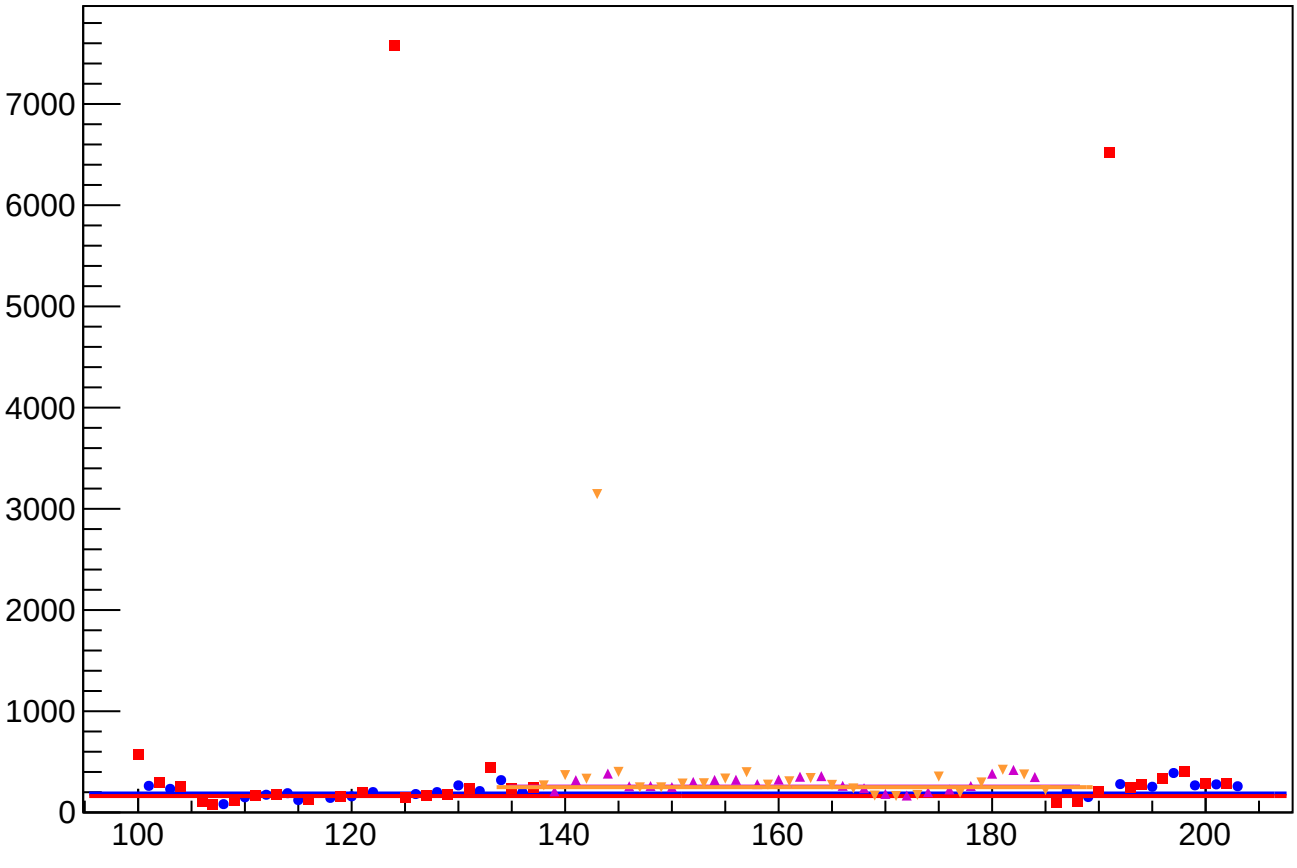
Left: 0.034+/-0.044 χ^2/NDF: 56.9/47

Right: 0.030+/-0.037 χ^2/NDF: 43.8/52

In: 0.088+/-0.042 χ^2/NDF:45.7/46

Out: -0.016+/-0.039 χ^2/NDF:51.6/53

All: 0.032+/-0.028 χ^2/NDF: 100.7/100



Right In: 187.330+/-0.040 χ^2/NDF: 2936186.9/23

Left Out: 249.848+/-0.044 χ^2/NDF:4234507.4/24

Right Out: 161.960+/-0.035 χ^2/NDF: 5102314.5/28

Left In: 255.299+/-0.045 χ^2/NDF:2111552.0/22

Left: 252.513+/-0.031 χ^2/NDF: 6353711.9/47

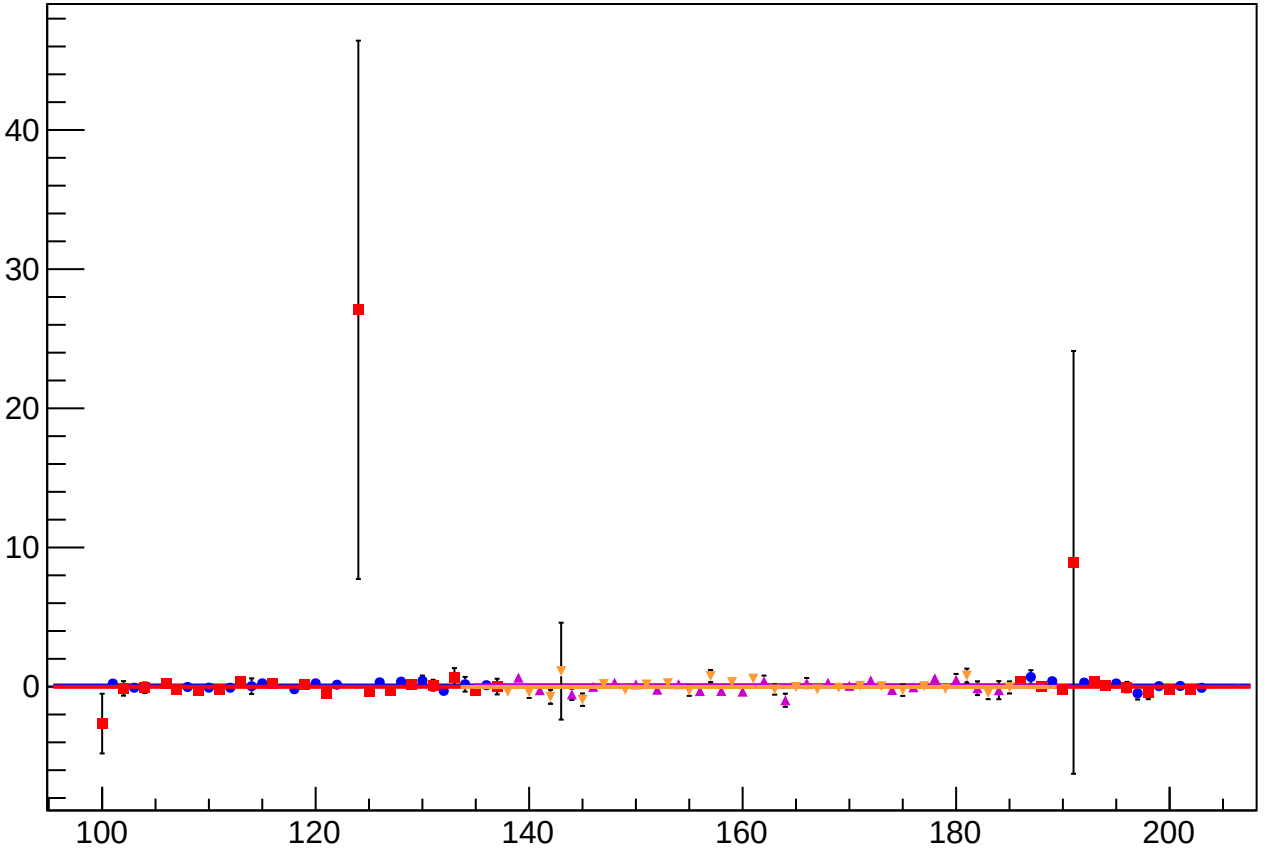
Right: 173.007+/-0.026 χ^2/NDF: 8268540.2/52

In: 217.453+/-0.030 χ^2/NDF:6343939.4/46

Out: 196.316+/-0.027 χ^2/NDF:11815104.3/53

All: 205.989+/-0.020 χ^2/NDF: 18434548.3/10

asym_atl1r2_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.082+/-0.056 χ^2/NDF: 14.2/23

Left Out: -0.024+/-0.062 χ^2/NDF:23.5/24

Right Out: -0.010+/-0.049 χ^2/NDF: 28.0/28

Left In: 0.095+/-0.063 χ^2/NDF:31.5/22

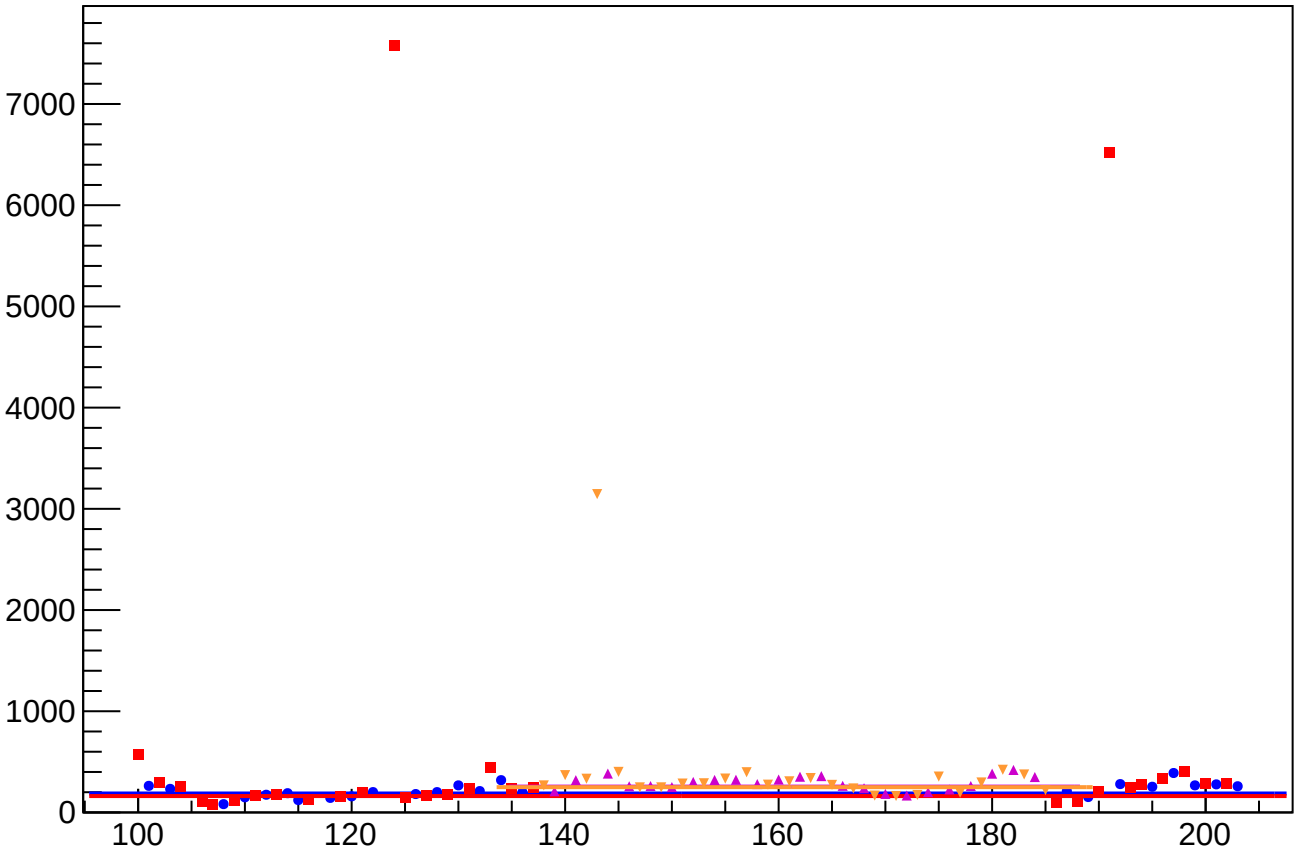
Left: 0.034+/-0.044 χ^2/NDF: 56.9/47

Right: 0.030+/-0.037 χ^2/NDF: 43.8/52

In: 0.088+/-0.042 χ^2/NDF:45.7/46

Out: -0.016+/-0.039 χ^2/NDF:51.6/53

All: 0.032+/-0.028 χ^2/NDF: 100.7/100



Right In: 187.330+/-0.040 χ^2/NDF: 2936186.9/23

Left Out: 249.848+/-0.044 χ^2/NDF:4234507.4/24

Right Out: 161.960+/-0.035 χ^2/NDF: 5102314.5/28

Left In: 255.299+/-0.045 χ^2/NDF:2111552.0/22

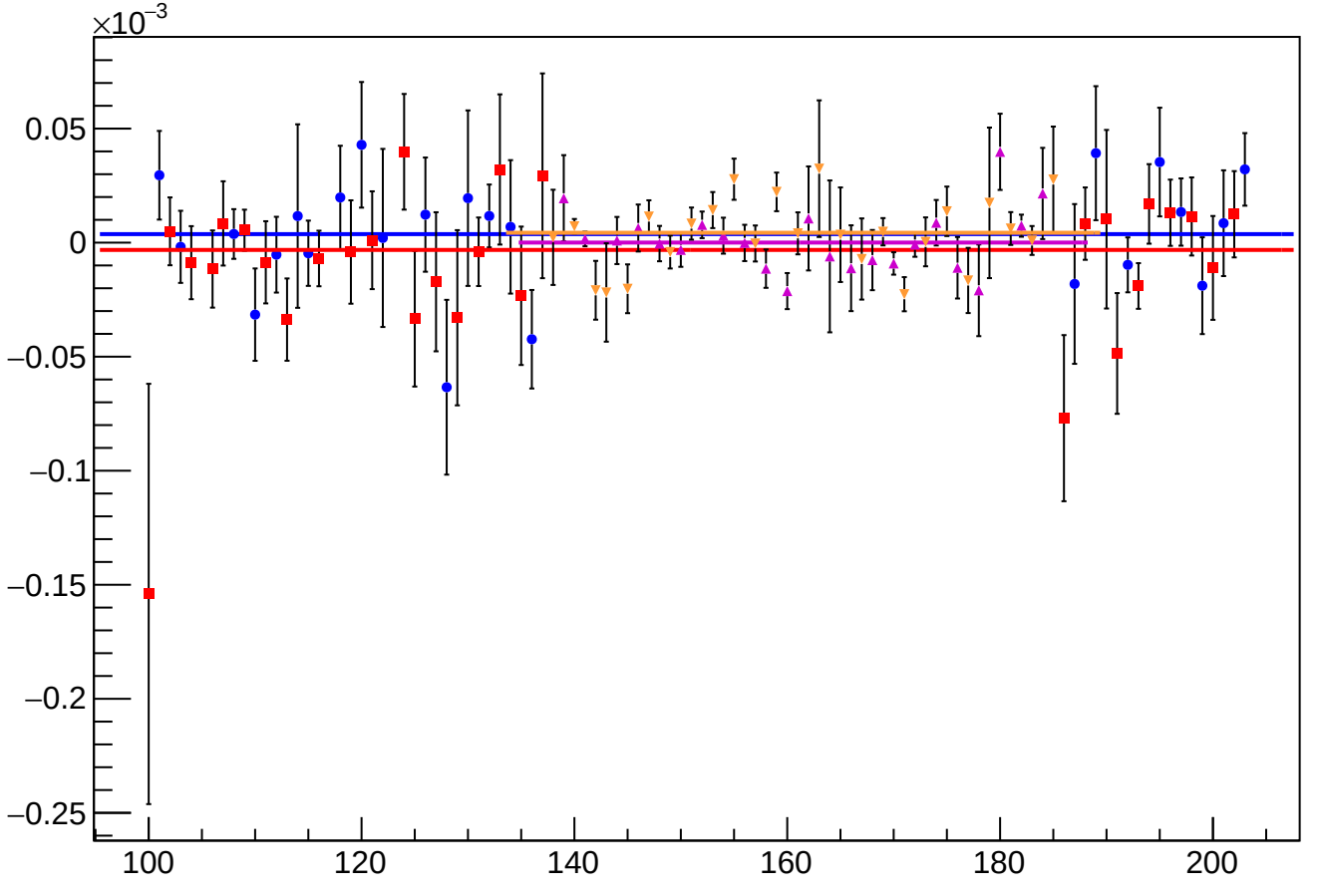
Left: 252.513+/-0.031 χ^2/NDF: 6353711.9/47

Right: 173.007+/-0.026 χ^2/NDF: 8268540.2/52

In: 217.453+/-0.030 χ^2/NDF:6343939.4/46

Out: 196.316+/-0.027 χ^2/NDF:11815104.3/53

All: 205.989+/-0.020 χ^2/NDF: 18434548.3/10



Right In: 0.000+/-0.000 χ^2/NDF: 26.0/23

Left Out: 0.000+/-0.000 χ^2/NDF:46.0/24

Right Out: -0.000+/-0.000 χ^2/NDF: 28.9/28

Left In: 0.000+/-0.000 χ^2/NDF:29.0/22

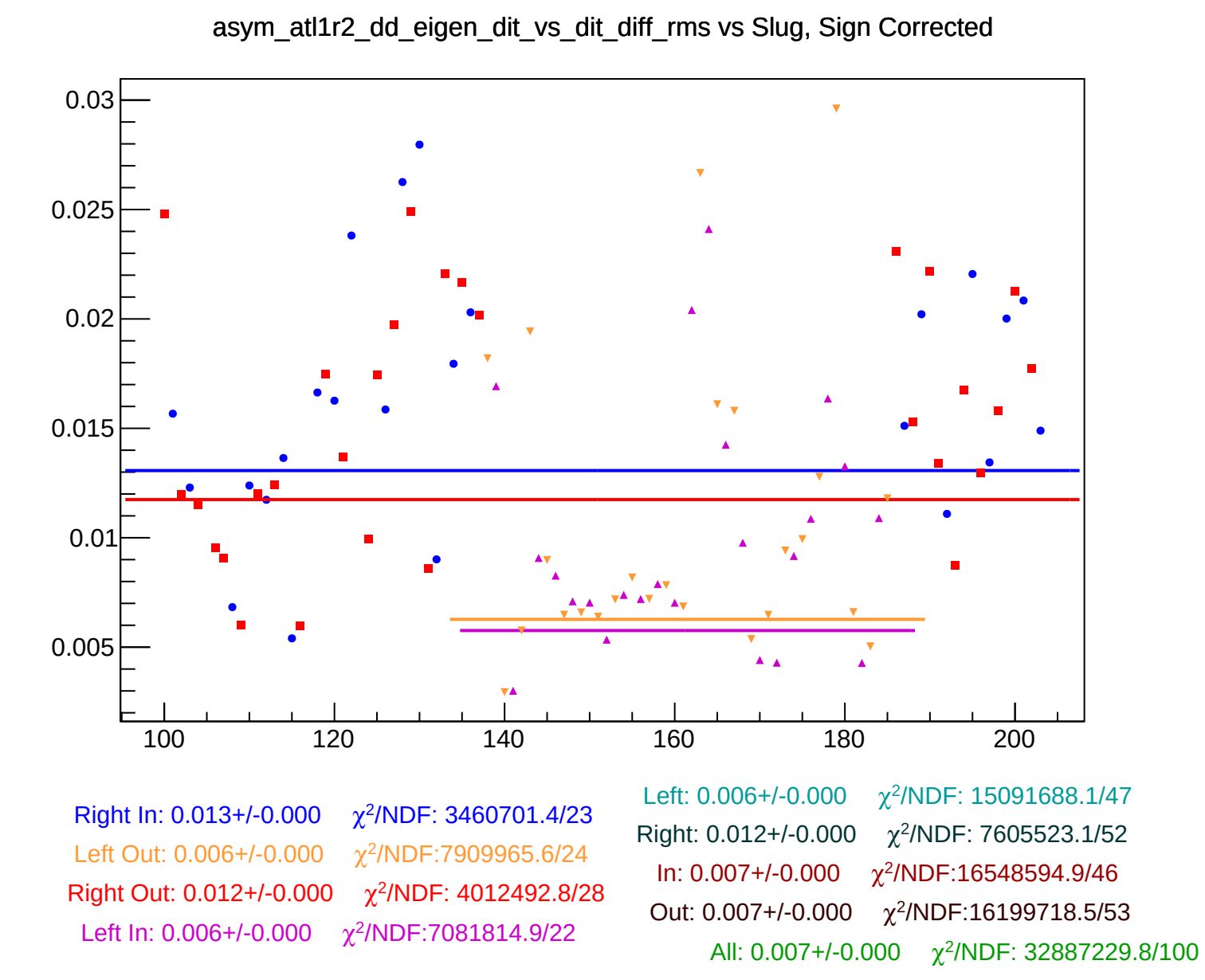
Left: 0.000+/-0.000 χ^2/NDF: 78.6/47

Right: -0.000+/-0.000 χ^2/NDF: 56.8/52

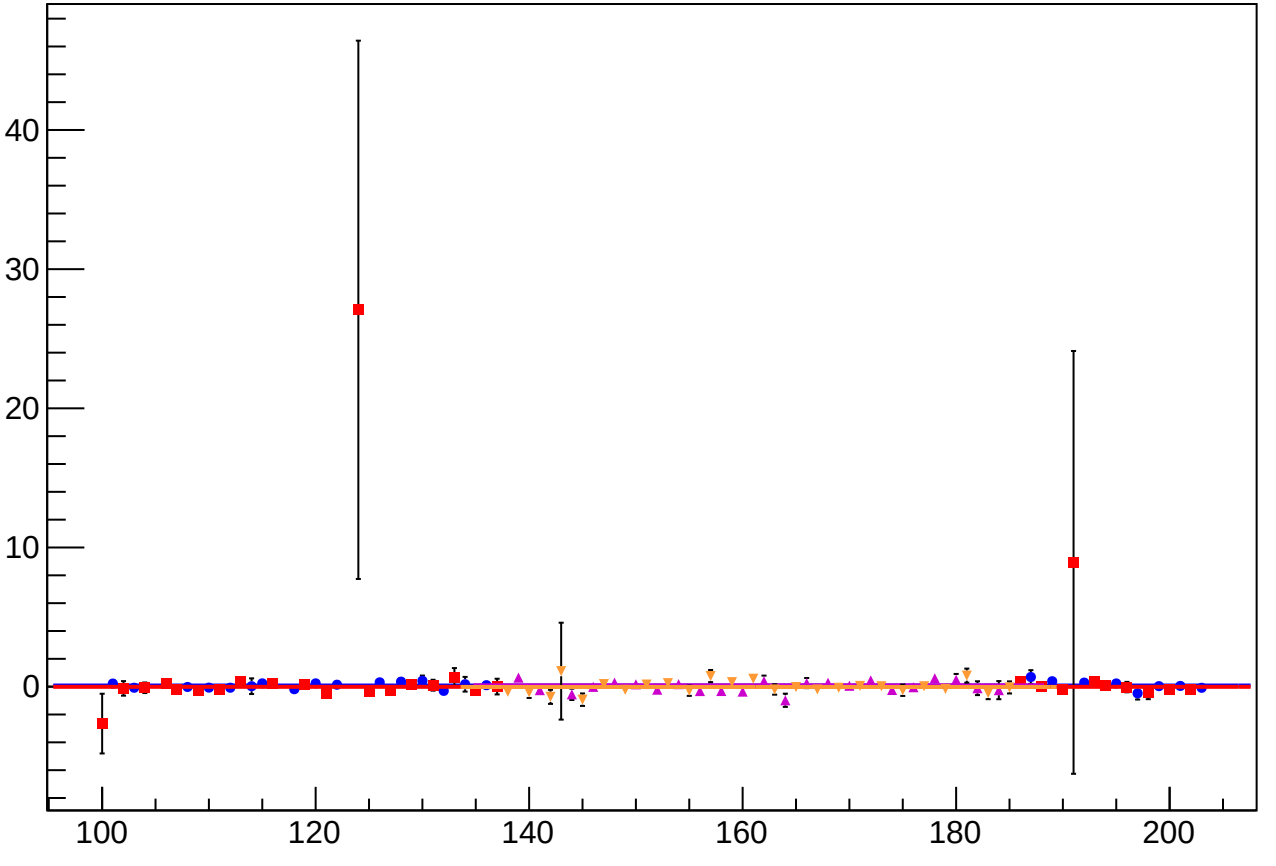
In: 0.000+/-0.000 χ^2/NDF:55.8/46

Out: 0.000+/-0.000 χ^2/NDF:79.0/53

All: 0.000+/-0.000 χ^2/NDF: 136.1/100


asym_atl1r2_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected
0.03
0.025
0.02
0.015
0.01
0.005
100
120
140
160
180
200
Right In: 0.013+/-0.000 χ²/NDF: 3460701.4/23
Left Out: 0.006+/-0.000 χ²/NDF:7909965.6/24
Right Out: 0.012+/-0.000 χ²/NDF: 4012492.8/28
Left In: 0.006+/-0.000 χ²/NDF:7081814.9/22
Left: 0.006+/-0.000 χ²/NDF: 15091688.1/47
Right: 0.012+/-0.000 χ²/NDF: 7605523.1/52
In: 0.007+/-0.000 χ²/NDF:16548594.9/46
Out: 0.007+/-0.000 χ²/NDF:16199718.5/53
All: 0.007+/-0.000 χ²/NDF: 32887229.8/100

asym_atl1r2_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.082+/-0.056 χ^2/NDF: 14.2/23

Left Out: -0.024+/-0.062 χ^2/NDF:23.5/24

Right Out: -0.010+/-0.049 χ^2/NDF: 28.0/28

Left In: 0.095+/-0.063 χ^2/NDF:31.5/22

Left: 0.034+/-0.044 χ^2/NDF: 56.9/47

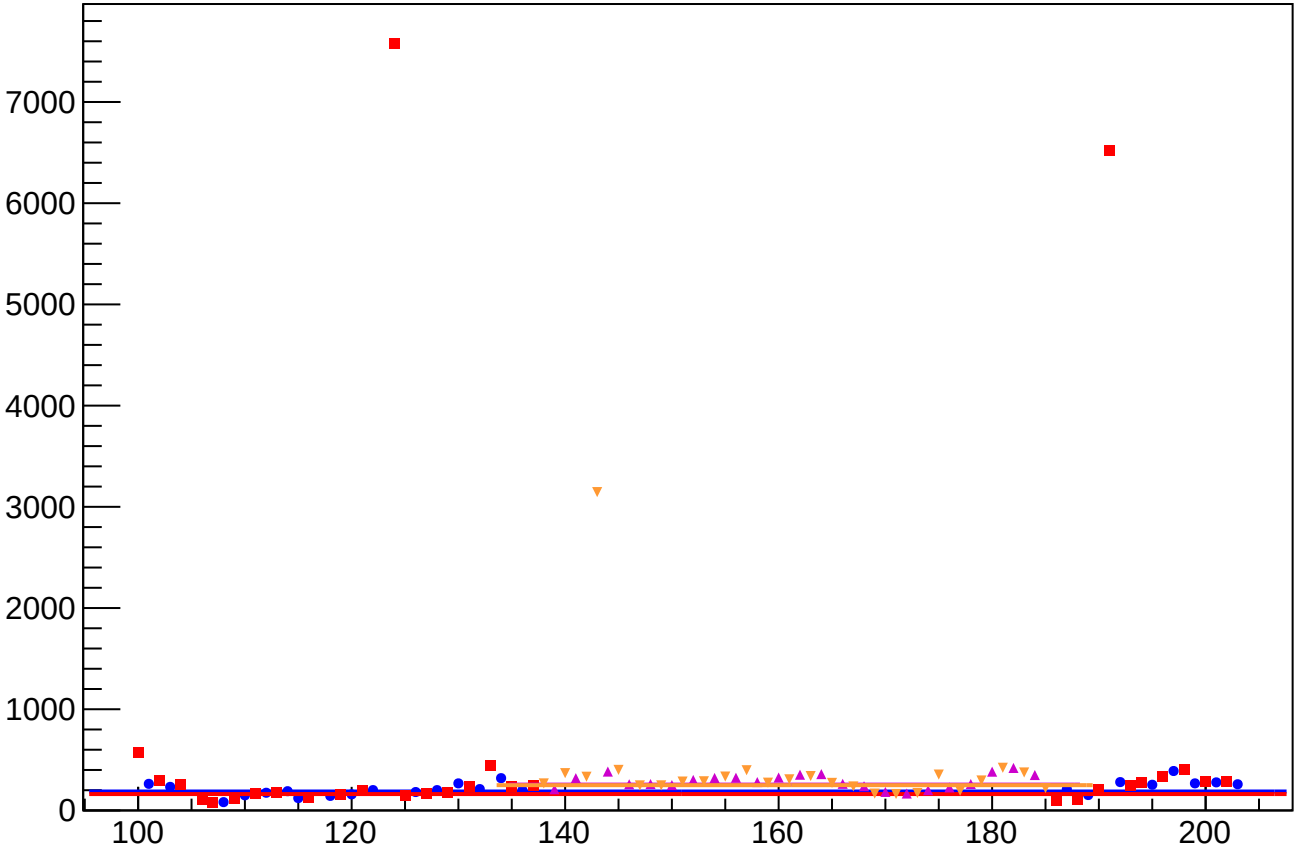
Right: 0.030+/-0.037 χ^2/NDF: 43.8/52

In: 0.088+/-0.042 χ^2/NDF:45.7/46

Out: -0.016+/-0.039 χ^2/NDF:51.6/53

All: 0.032+/-0.028 χ^2/NDF: 100.7/100

asym_atl1r2_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 187.328+/-0.040 χ^2/NDF: 2936263.7/23

Left Out: 249.850+/-0.044 χ^2/NDF:4234600.7/24

Right Out: 161.962+/-0.035 χ^2/NDF: 5102186.2/28

Left In: 255.302+/-0.045 χ^2/NDF:2111585.0/22

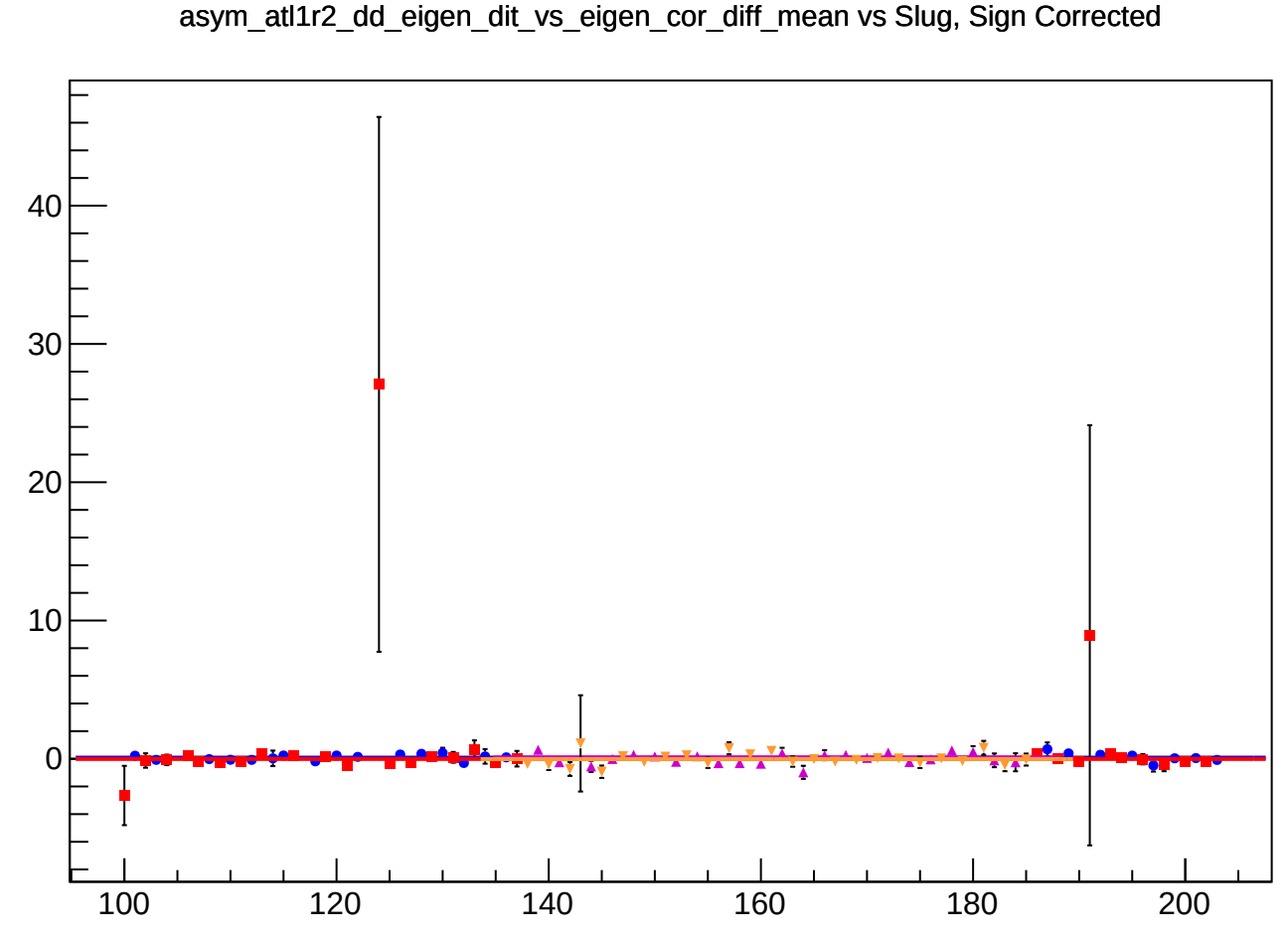
Left: 252.515+/-0.031 χ^2/NDF: 6353840.1/47

Right: 173.008+/-0.026 χ^2/NDF: 8268413.2/52

In: 217.452+/-0.030 χ^2/NDF:6344205.1/46

Out: 196.318+/-0.027 χ^2/NDF:11814988.5/53

All: 205.990+/-0.020 χ^2/NDF: 18434624.4/10



Right In: 0.082+/-0.056 χ^2/NDF: 14.2/23

Left Out: -0.024+/-0.062 χ^2/NDF:23.5/24

Right Out: -0.010+/-0.049 χ^2/NDF: 28.0/28

Left In: 0.095+/-0.063 χ^2/NDF:31.5/22

Left: 0.034+/-0.044 χ^2/NDF: 56.9/47

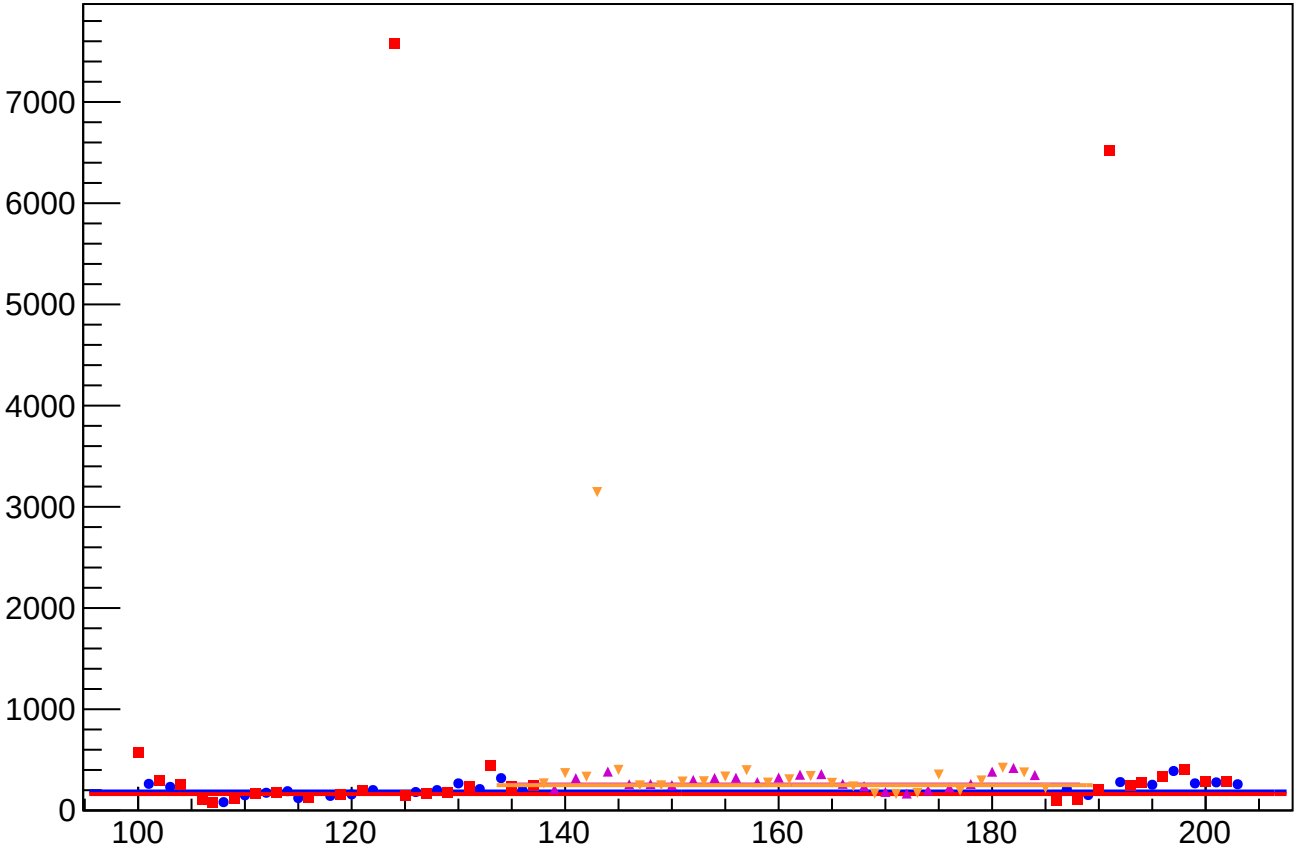
Right: 0.030+/-0.037 χ^2/NDF: 43.8/52

In: 0.088+/-0.042 χ^2/NDF:45.7/46

Out: -0.016+/-0.039 χ^2/NDF:51.6/53

All: 0.032+/-0.028 χ^2/NDF: 100.7/100

asym_atl1r2_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 187.328+/-0.040 χ^2/NDF: 2936263.7/23

Left Out: 249.850+/-0.044 χ^2/NDF:4234600.7/24

Right Out: 161.962+/-0.035 χ^2/NDF: 5102186.2/28

Left In: 255.302+/-0.045 χ^2/NDF:2111585.0/22

Left: 252.515+/-0.031 χ^2/NDF: 6353840.1/47

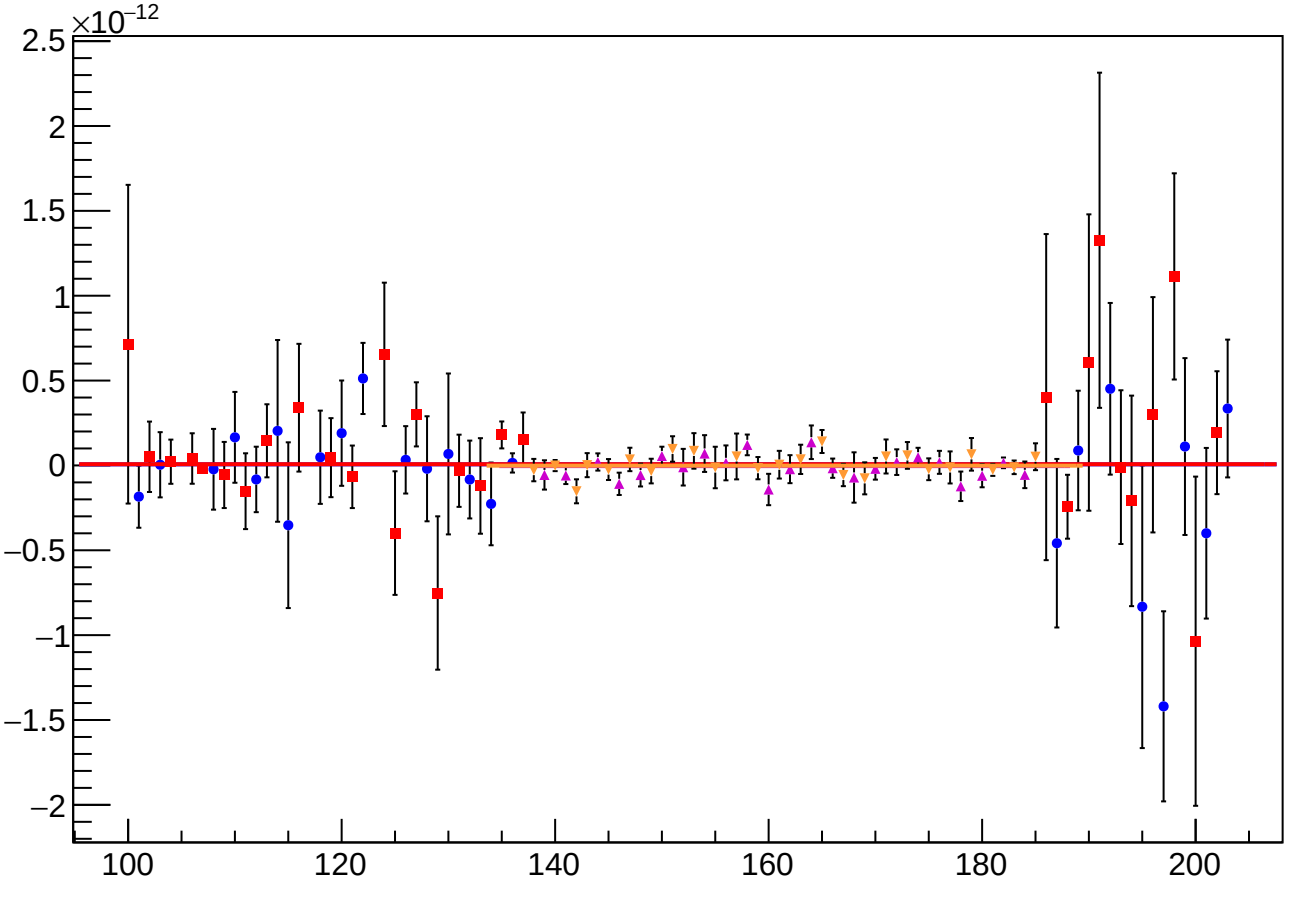
Right: 173.008+/-0.026 χ^2/NDF: 8268413.2/52

In: 217.452+/-0.030 χ^2/NDF:6344205.1/46

Out: 196.318+/-0.027 χ^2/NDF:11814988.5/53

All: 205.990+/-0.020 χ^2/NDF: 18434624.4/10

asym_atl1r2_dd_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 20.2/23

Left Out: -0.000+/-0.000 χ^2/NDF:16.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 27.6/28

Left In: -0.000+/-0.000 χ^2/NDF:19.9/22

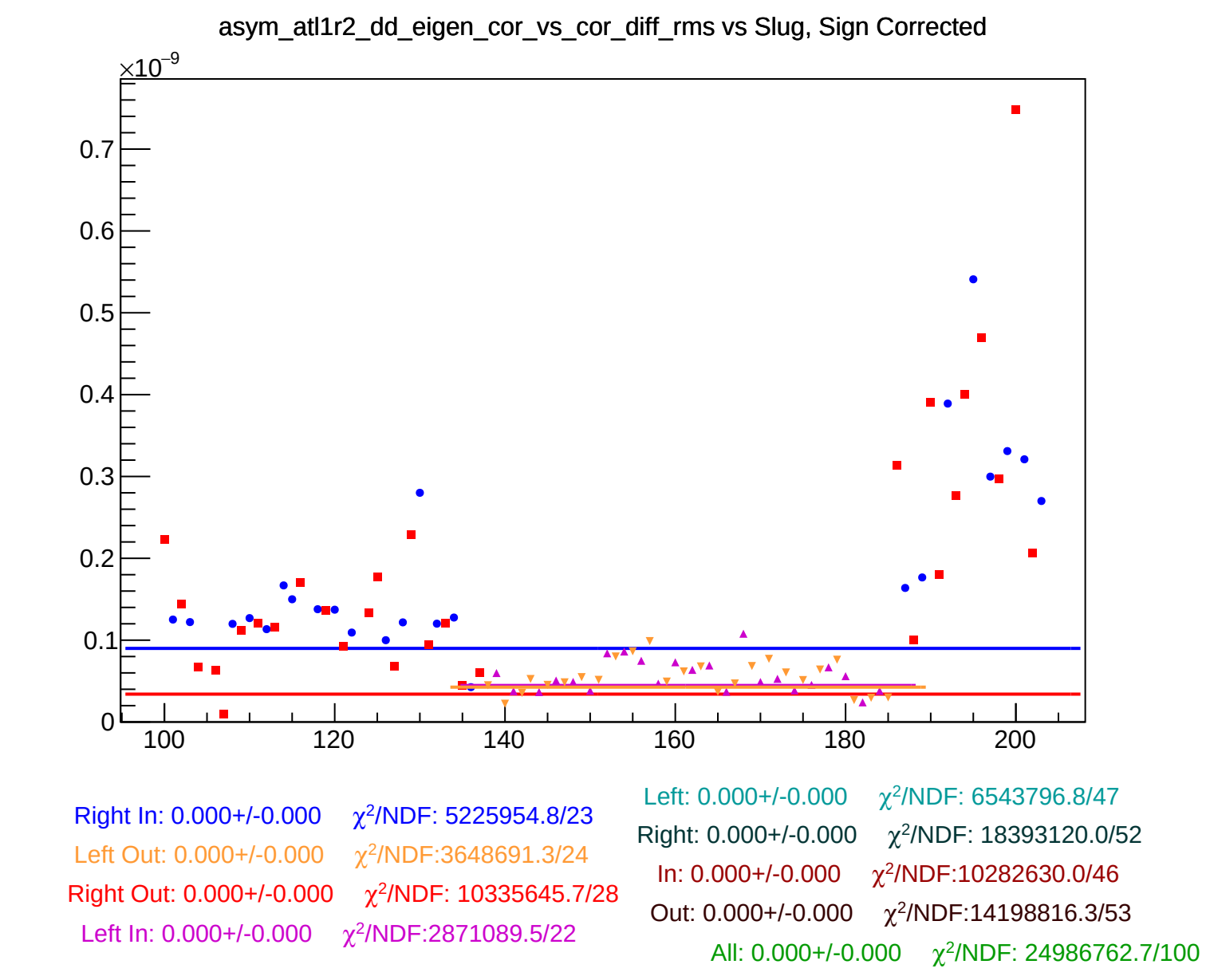
Left: -0.000+/-0.000 χ^2/NDF: 36.2/47

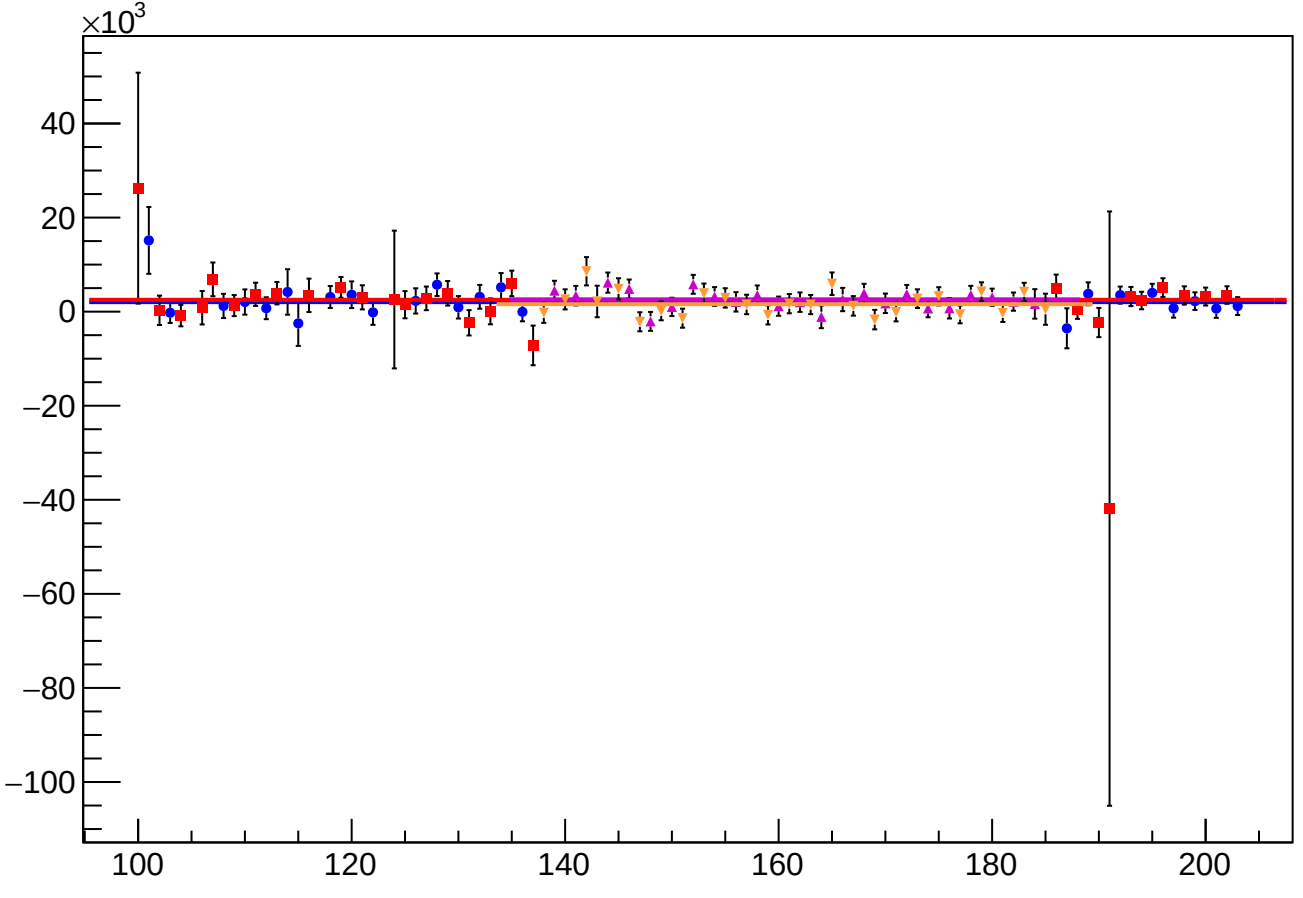
Right: 0.000+/-0.000 χ^2/NDF: 47.8/52

In: -0.000+/-0.000 χ^2/NDF:40.1/46

Out: 0.000+/-0.000 χ^2/NDF:44.1/53

All: -0.000+/-0.000 χ^2/NDF: 84.3/100


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: 5225954.8/23
Left Out: 0.000+/-0.000 χ²/NDF:3648691.3/24
Right Out: 0.000+/-0.000 χ²/NDF: 10335645.7/28
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: 18393120.0/52
In: 0.000+/-0.000 χ²/NDF:10282630.0/46
Out: 0.000+/-0.000 χ²/NDF:14198816.3/53
All: 0.000+/-0.000 χ²/NDF: 24986762.7/100



Right In: 2023.781+/-493.053 χ^2/NDF: 17.2/23

Left Out: 1592.464+/-423.298 χ^2/NDF:31.3/24

Right Out: 2519.527+/-476.183 χ^2/NDF: 26.3/28

Left In: 2597.740+/-430.293 χ^2/NDF:20.1/22

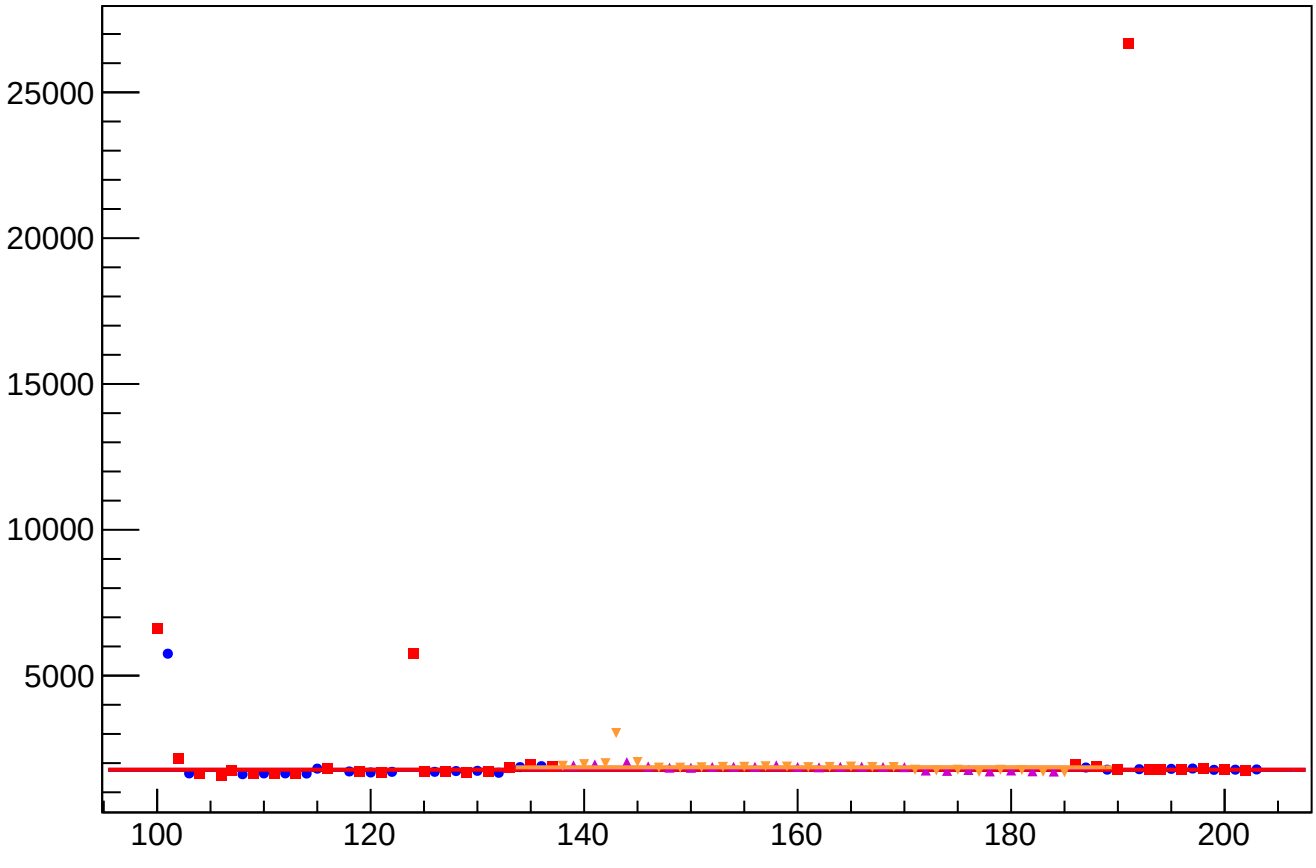
Left: 2086.864+/-301.760 χ^2/NDF: 54.1/47

Right: 2280.280+/-342.521 χ^2/NDF: 44.1/52

In: 2349.593+/-324.196 χ^2/NDF:38.1/46

Out: 2001.676+/-316.369 χ^2/NDF:59.7/53

All: 2171.384+/-226.423 χ^2/NDF: 98.4/100



Right In: 1768.954+/-0.349 χ^2/NDF: 674838.9/23

Left Out: 1855.560+/-0.299 χ^2/NDF:324267.7/24

Right Out: 1774.317+/-0.335 χ^2/NDF: 639357.8/28

Left In: 1840.981+/-0.304 χ^2/NDF:70985.8/22

Left: 1848.390+/-0.213 χ^2/NDF: 396420.2/47

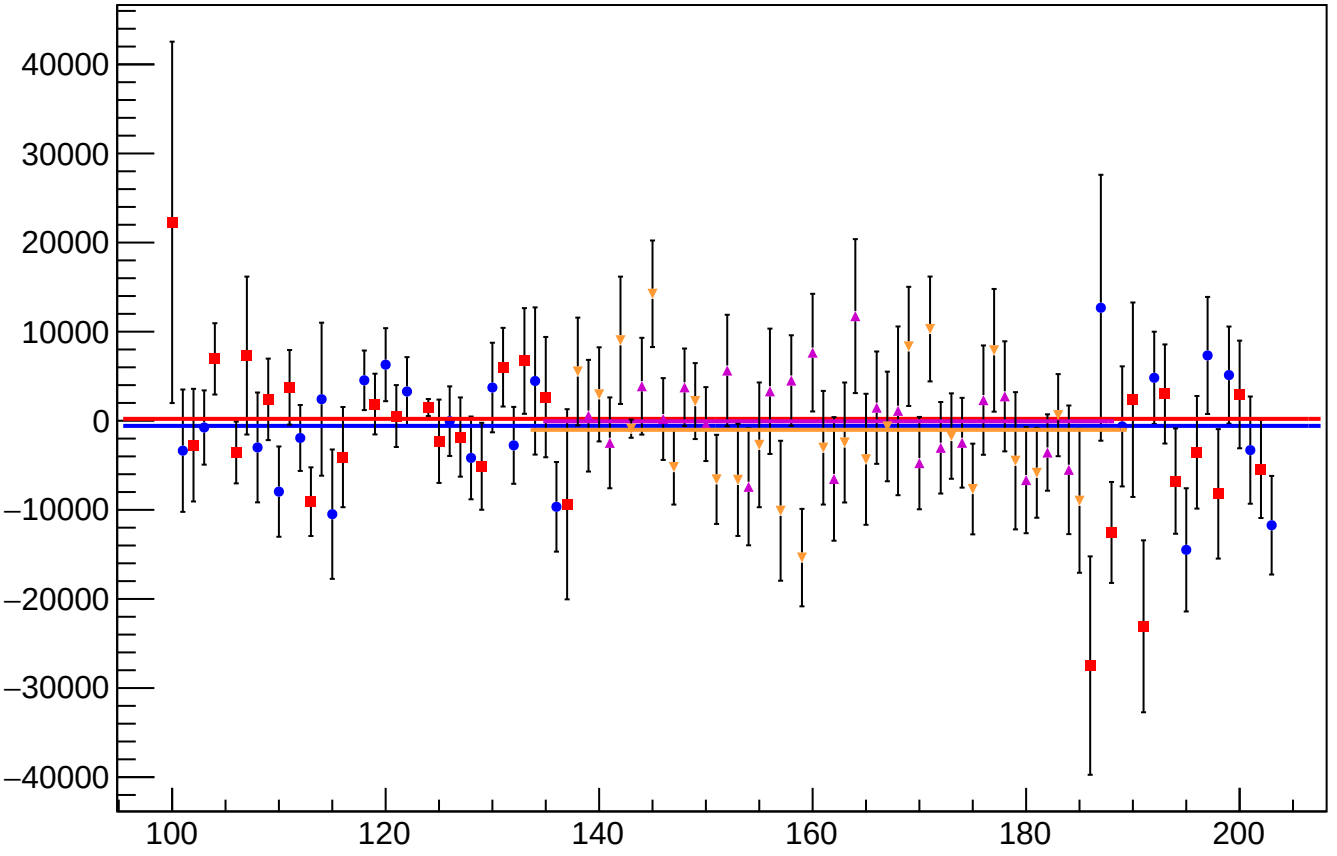
Right: 1771.739+/-0.242 χ^2/NDF: 1314319.5/52

In: 1809.841+/-0.229 χ^2/NDF:770052.9/46

Out: 1819.542+/-0.223 χ^2/NDF:996286.6/53

All: 1814.818+/-0.160 χ^2/NDF: 1767258.4/10

asym_atr1l2_avg_reg_correction_mean vs Slug, Sign Corrected



Right In: -575.286+/-1038.681 χ^2/NDF: 28.7/23

Left Out: -1018.861+/-771.816 χ^2/NDF:33.7/24

Right Out: 214.187+/-686.655 χ^2/NDF: 41.6/28

Left In: -62.369+/-1173.429 χ^2/NDF:13.0/22

Left: -730.018+/-644.833 χ^2/NDF: 47.2/47

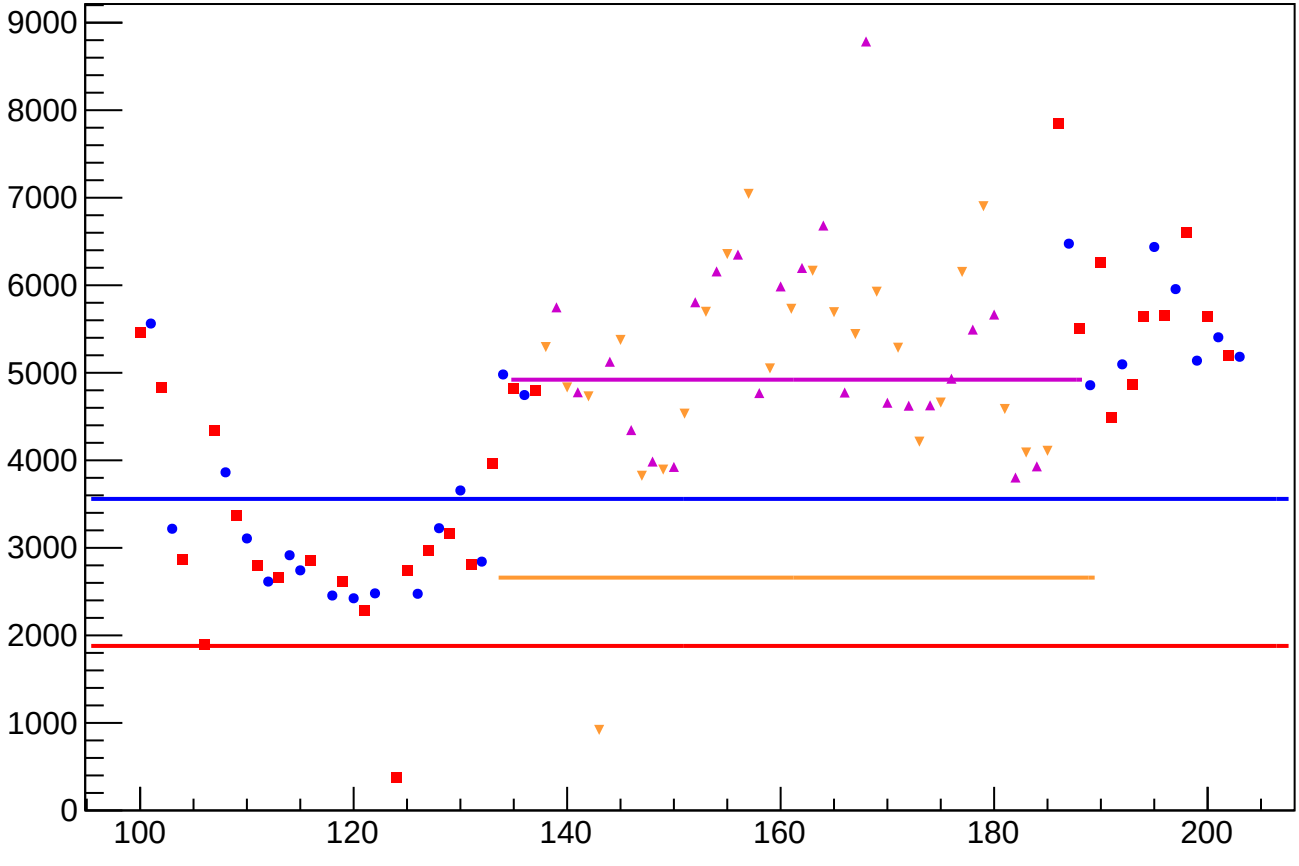
Right: -25.908+/-572.803 χ^2/NDF: 70.6/52

In: -349.956+/-777.756 χ^2/NDF:41.8/46

Out: -330.583+/-513.015 χ^2/NDF:76.7/53

All: -336.456+/-428.244 χ^2/NDF: 118.6/100

asym_atr1l2_avg_reg_correction_rms vs Slug, Sign Corrected



Right In: 3559.171+/-0.734 χ^2/NDF: 2758044.6/23

Left Out: 2660.009+/-0.546 χ^2/NDF:14536074.6/24

Right Out: 1879.620+/-0.486 χ^2/NDF: 13705794.7/28

Left In: 4921.319+/-0.830 χ^2/NDF:1251123.1/22

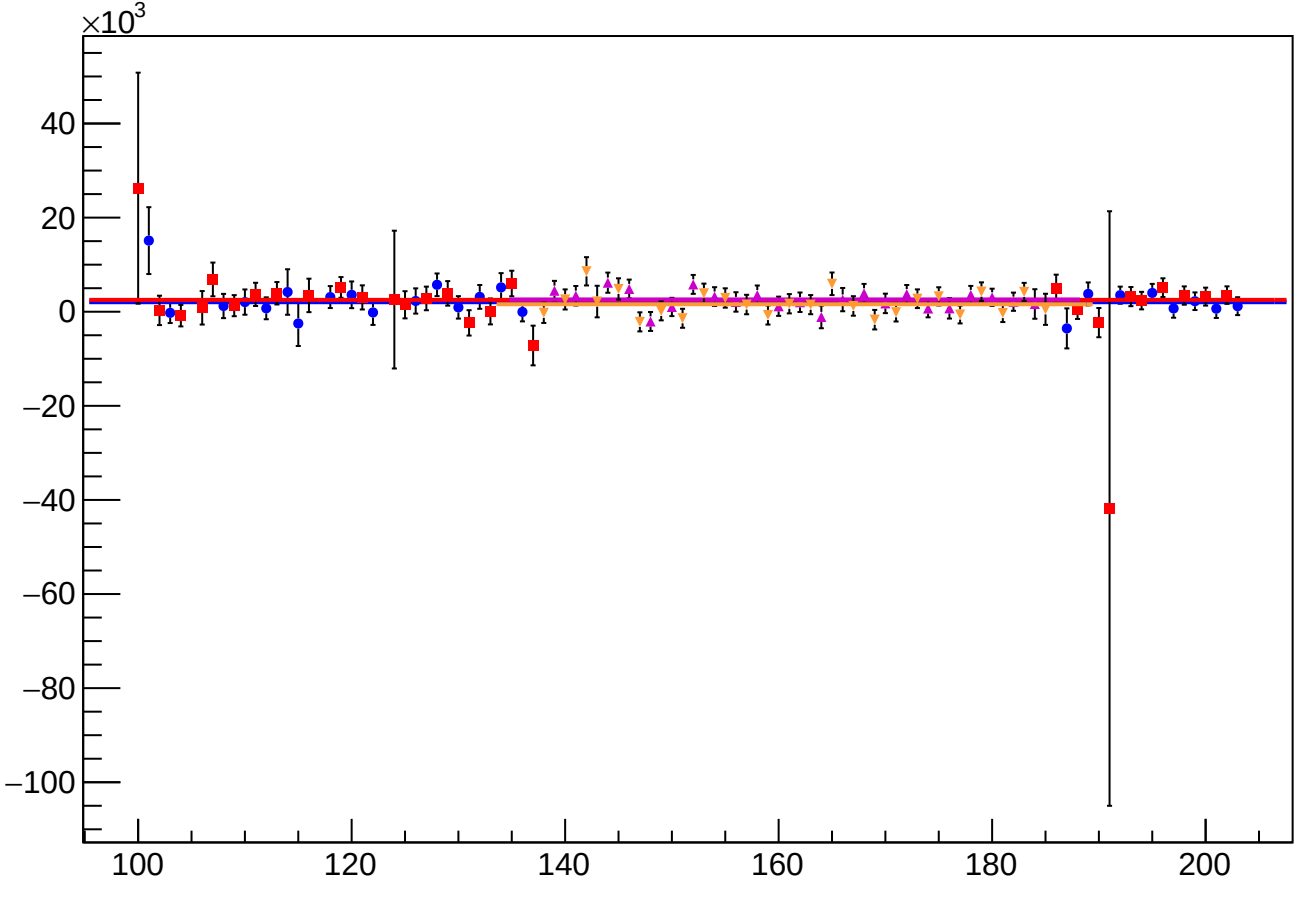
Left: 3342.883+/-0.456 χ^2/NDF: 20971649.5/47

Right: 2390.406+/-0.405 χ^2/NDF: 20102865.4/52

In: 4157.578+/-0.550 χ^2/NDF:5520243.8/46

Out: 2224.402+/-0.363 χ^2/NDF:29383192.0/53

All: 2810.497+/-0.303 χ^2/NDF: 43513543.2/



Right In: 2023.611+/-493.053 χ^2/NDF: 17.2/23

Left Out: 1592.431+/-423.298 χ^2/NDF:31.3/24

Right Out: 2519.535+/-476.183 χ^2/NDF: 26.3/28

Left In: 2597.812+/-430.293 χ^2/NDF:20.1/22

Left: 2086.883+/-301.760 χ^2/NDF: 54.1/47

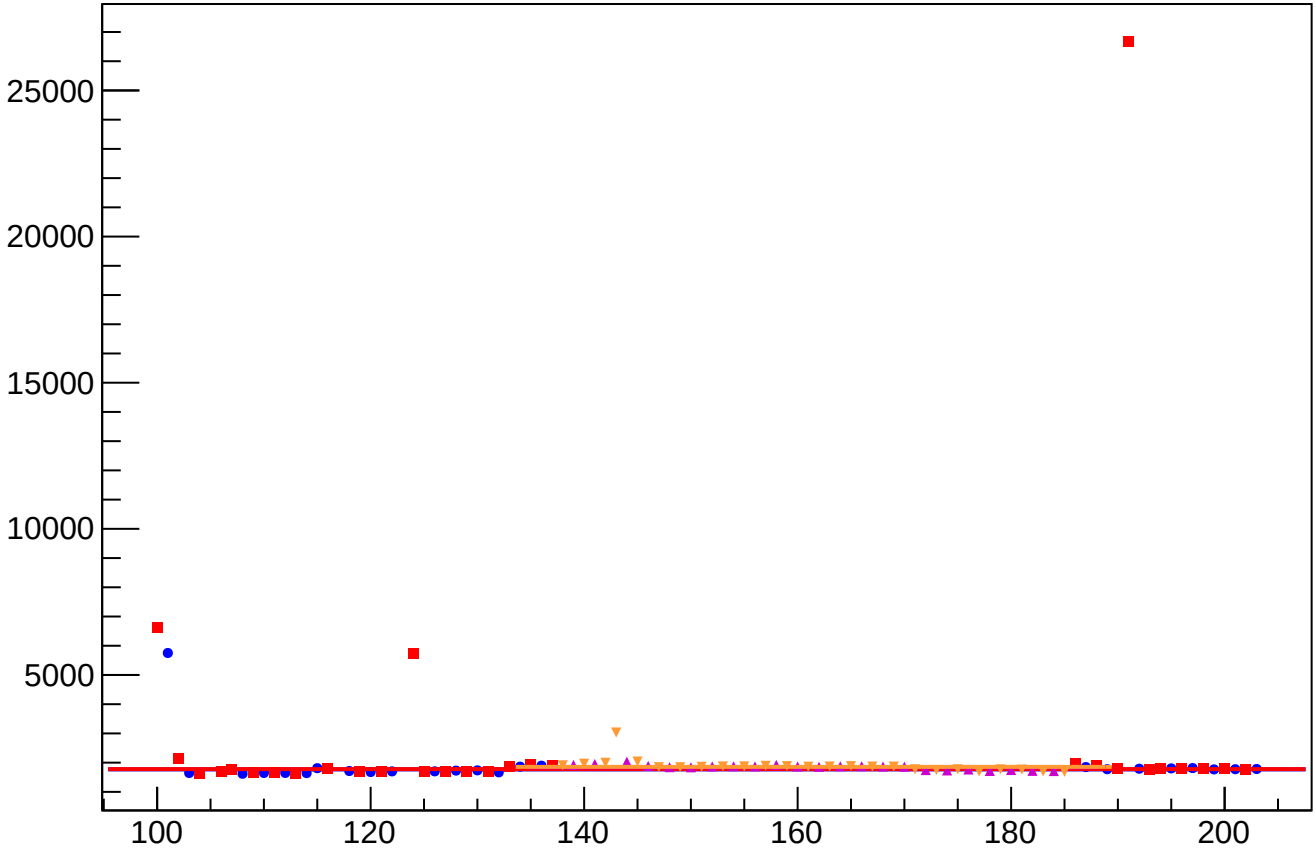
Right: 2280.202+/-342.521 χ^2/NDF: 44.1/52

In: 2349.560+/-324.196 χ^2/NDF:38.1/46

Out: 2001.661+/-316.369 χ^2/NDF:59.7/53

All: 2171.361+/-226.423 χ^2/NDF: 98.4/100

cor_asym_atr1l2_avg_rms vs Slug, Sign Corrected



Right In: 1768.954+/-0.349 χ^2/NDF: 674839.2/23

Left Out: 1855.560+/-0.299 χ^2/NDF:324267.7/24

Right Out: 1778.003+/-0.336 χ^2/NDF: 630578.4/28

Left In: 1840.981+/-0.304 χ^2/NDF:70985.8/22

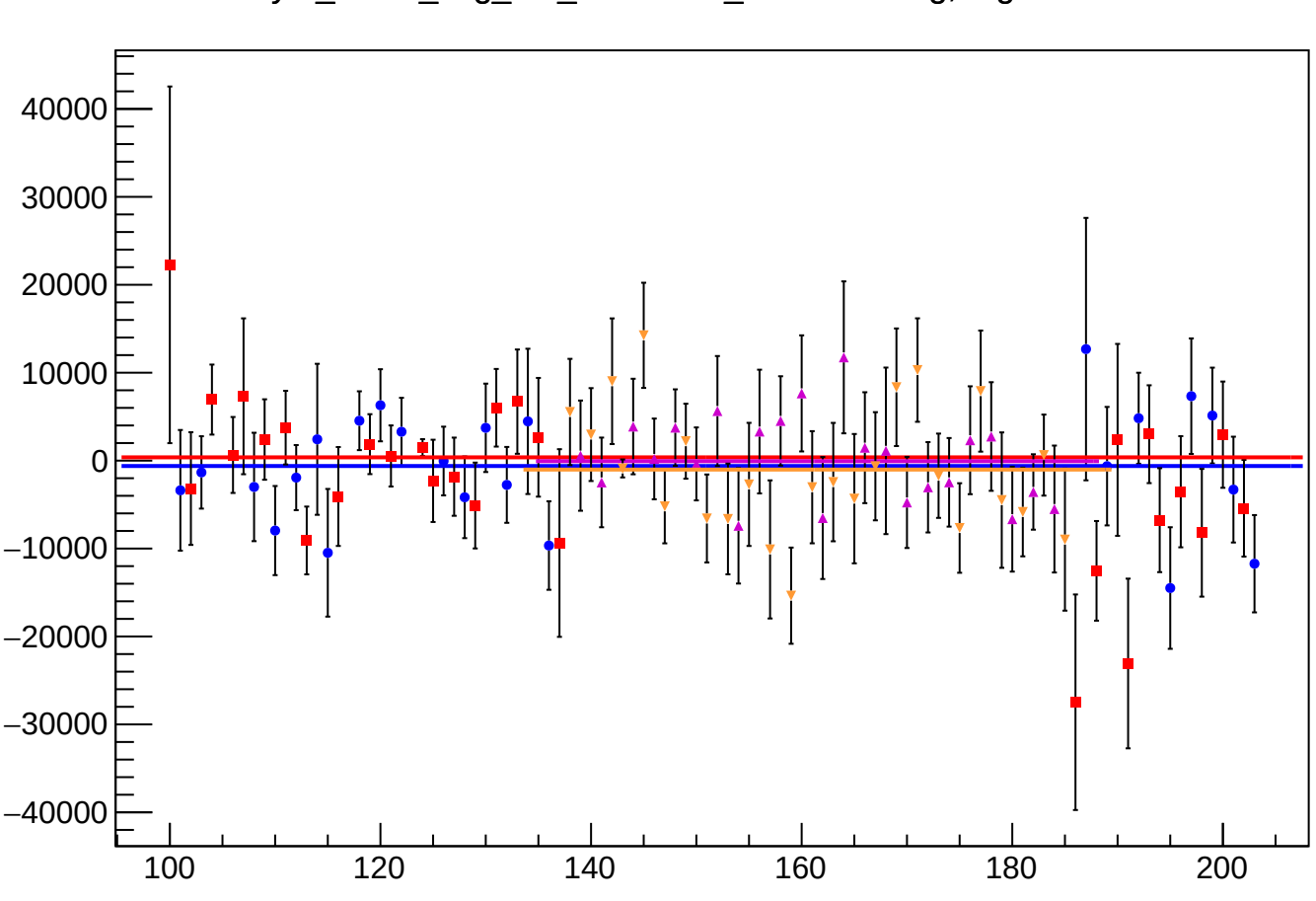
Left: 1848.390+/-0.213 χ^2/NDF: 396420.2/47

Right: 1773.645+/-0.242 χ^2/NDF: 1305766.8/52

In: 1809.841+/-0.229 χ^2/NDF:770053.2/46

Out: 1821.250+/-0.224 χ^2/NDF:984547.2/53

All: 1815.690+/-0.160 χ^2/NDF: 1755870.3/10



Right In: -613.151+/-1037.845 χ^2/NDF: 28.7/23

Left Out: -1018.712+/-771.798 χ^2/NDF:33.7/24

Right Out: 373.196+/-691.494 χ^2/NDF: 40.4/28

Left In: -62.286+/-1173.429 χ^2/NDF:13.0/22

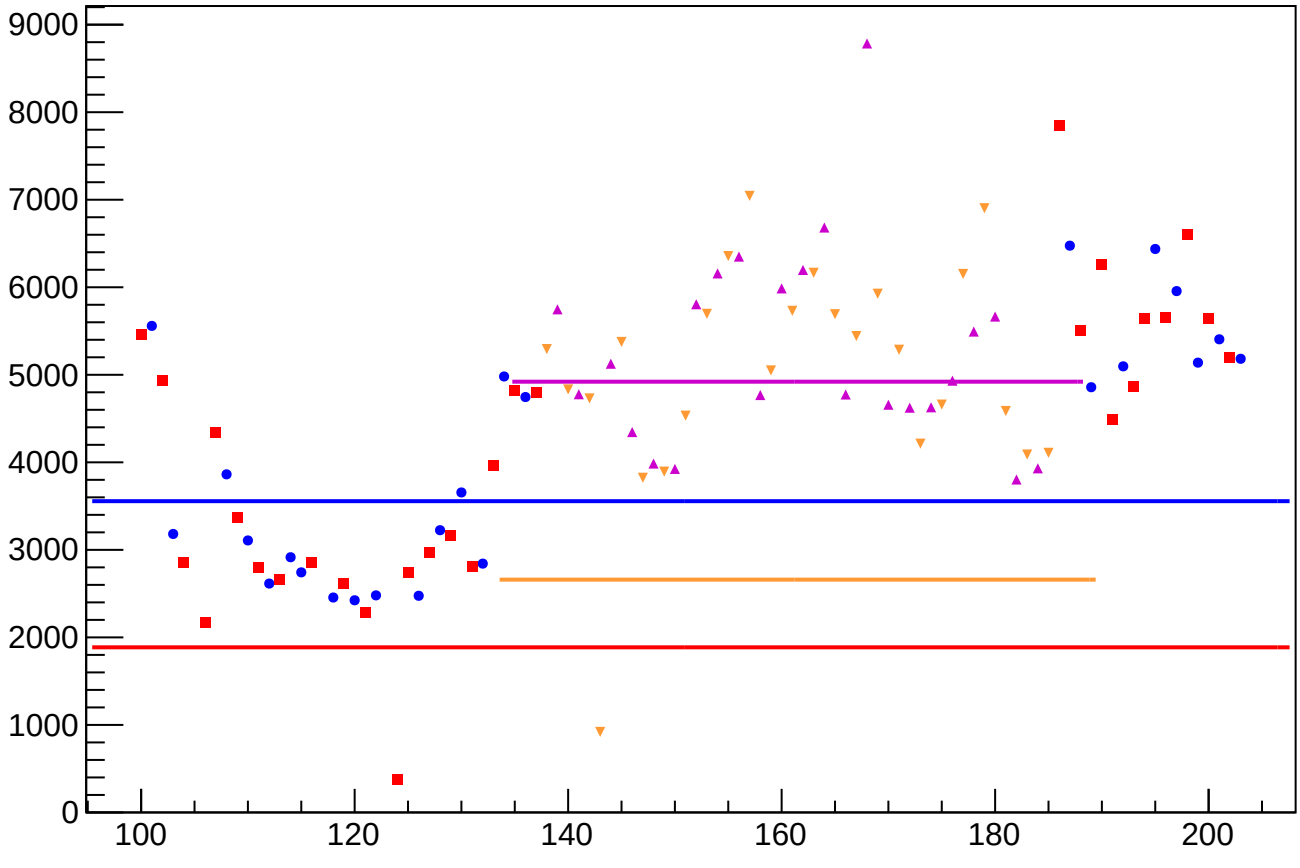
Left: -729.898+/-644.823 χ^2/NDF: 47.2/47

Right: 69.949+/-575.461 χ^2/NDF: 69.8/52

In: -371.368+/-777.404 χ^2/NDF:41.9/46

Out: -246.601+/-515.019 χ^2/NDF:76.0/53

All: -284.657+/-429.348 χ^2/NDF: 117.9/100



Right In: 3556.272+/-0.734 χ^2/NDF: 2761053.2/23

Left Out: 2659.907+/-0.546 χ^2/NDF:14536813.3/24

Right Out: 1886.612+/-0.489 χ^2/NDF: 13730218.7/28

Left In: 4921.316+/-0.830 χ^2/NDF:1251131.6/22

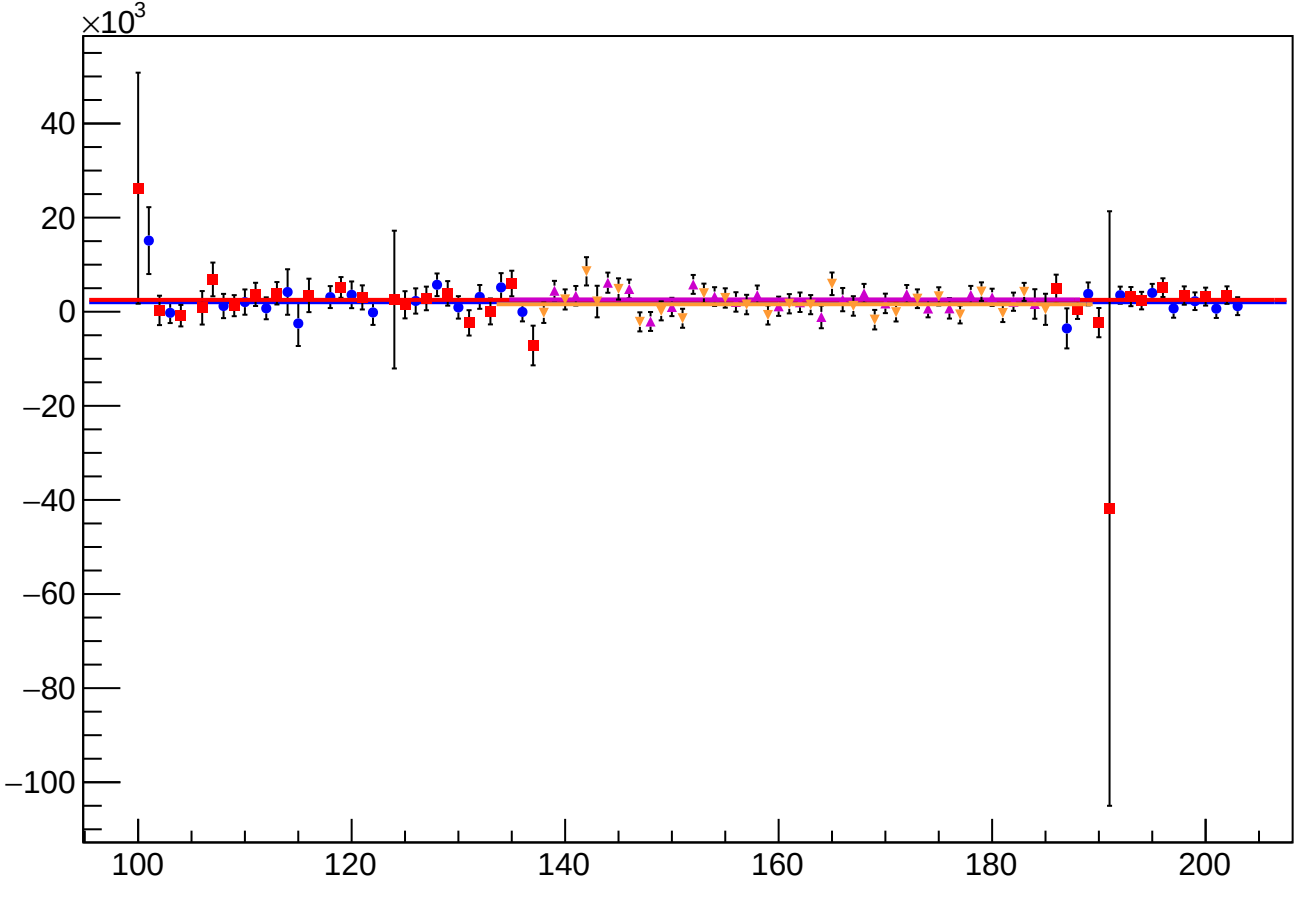
Left: 3342.790+/-0.456 χ^2/NDF: 20972927.8/47

Right: 2399.940+/-0.407 χ^2/NDF: 20076163.8/52

In: 4155.410+/-0.550 χ^2/NDF:5530766.4/46

Out: 2230.949+/-0.364 χ^2/NDF:29380767.1/53

All: 2817.945+/-0.304 χ^2/NDF: 43429340.0/1



Right In: 2023.611+/-493.053 χ^2/NDF: 17.2/23

Left Out: 1592.431+/-423.298 χ^2/NDF:31.3/24

Right Out: 2519.535+/-476.183 χ^2/NDF: 26.3/28

Left In: 2597.812+/-430.293 χ^2/NDF:20.1/22

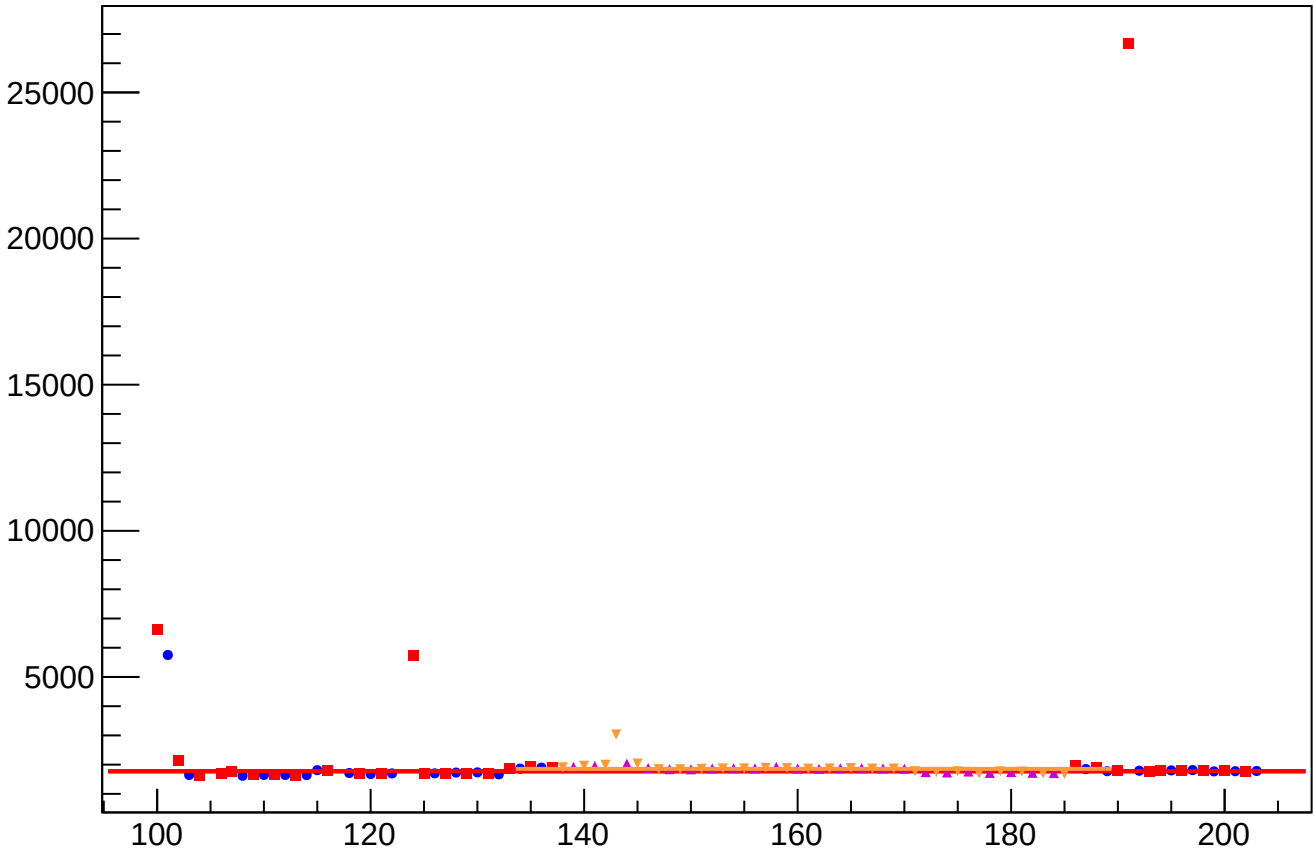
Left: 2086.883+/-301.760 χ^2/NDF: 54.1/47

Right: 2280.202+/-342.521 χ^2/NDF: 44.1/52

In: 2349.560+/-324.196 χ^2/NDF:38.1/46

Out: 2001.661+/-316.369 χ^2/NDF:59.7/53

All: 2171.361+/-226.423 χ^2/NDF: 98.4/100



Right In: 1768.954+/-0.349 χ^2/NDF: 674839.2/23

Left Out: 1855.560+/-0.299 χ^2/NDF:324267.7/24

Right Out: 1778.003+/-0.336 χ^2/NDF: 630578.4/28

Left In: 1840.981+/-0.304 χ^2/NDF:70985.8/22

Left: 1848.390+/-0.213 χ^2/NDF: 396420.2/47

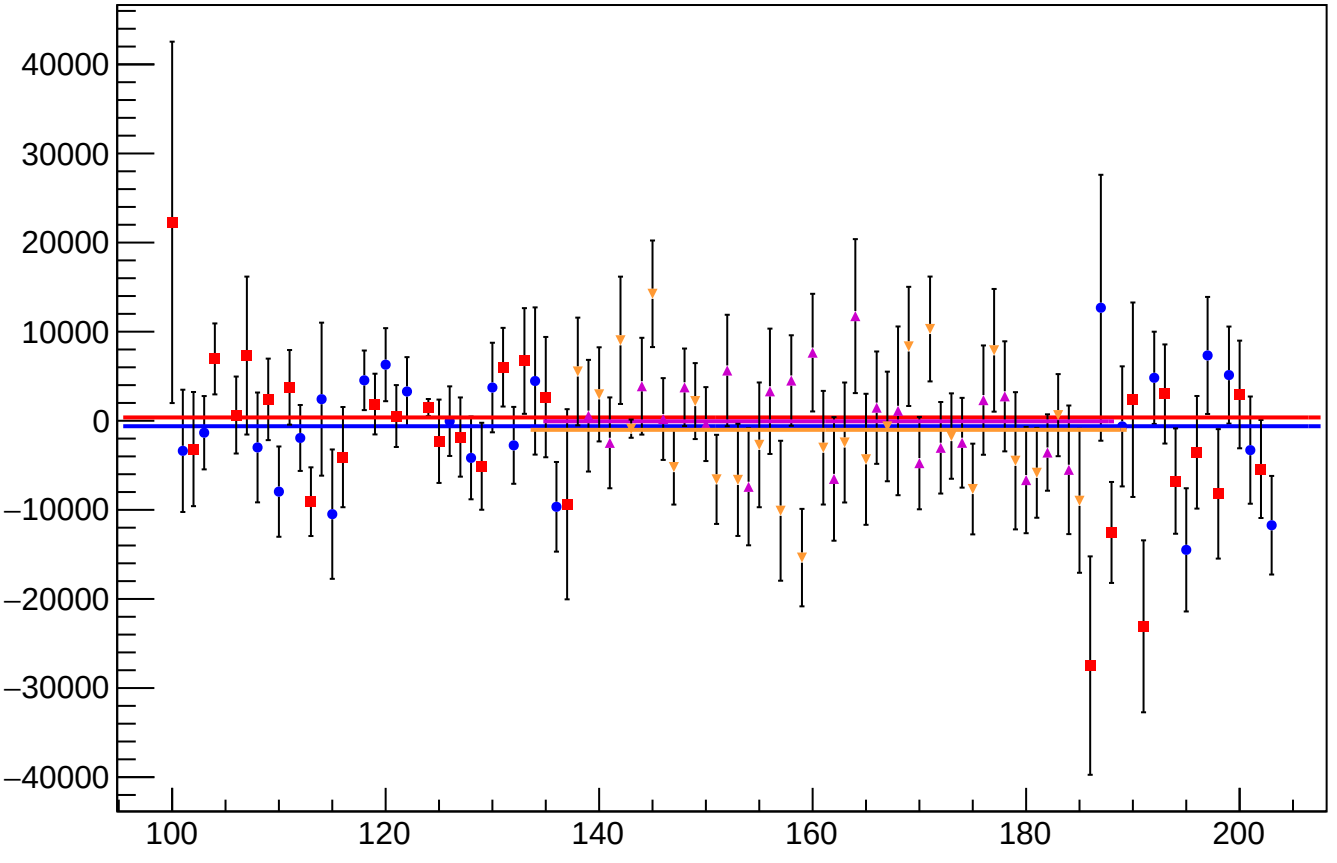
Right: 1773.645+/-0.242 χ^2/NDF: 1305766.8/52

In: 1809.841+/-0.229 χ^2/NDF:770053.2/46

Out: 1821.250+/-0.224 χ^2/NDF:984547.2/53

All: 1815.690+/-0.160 χ^2/NDF: 1755870.3/10

asym_atr1l2_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -613.151+/-1037.845 χ^2/NDF: 28.7/23

Left Out: -1018.712+/-771.798 χ^2/NDF:33.7/24

Right Out: 373.196+/-691.494 χ^2/NDF: 40.4/28

Left In: -62.286+/-1173.429 χ^2/NDF:13.0/22

Left: -729.898+/-644.823 χ^2/NDF: 47.2/47

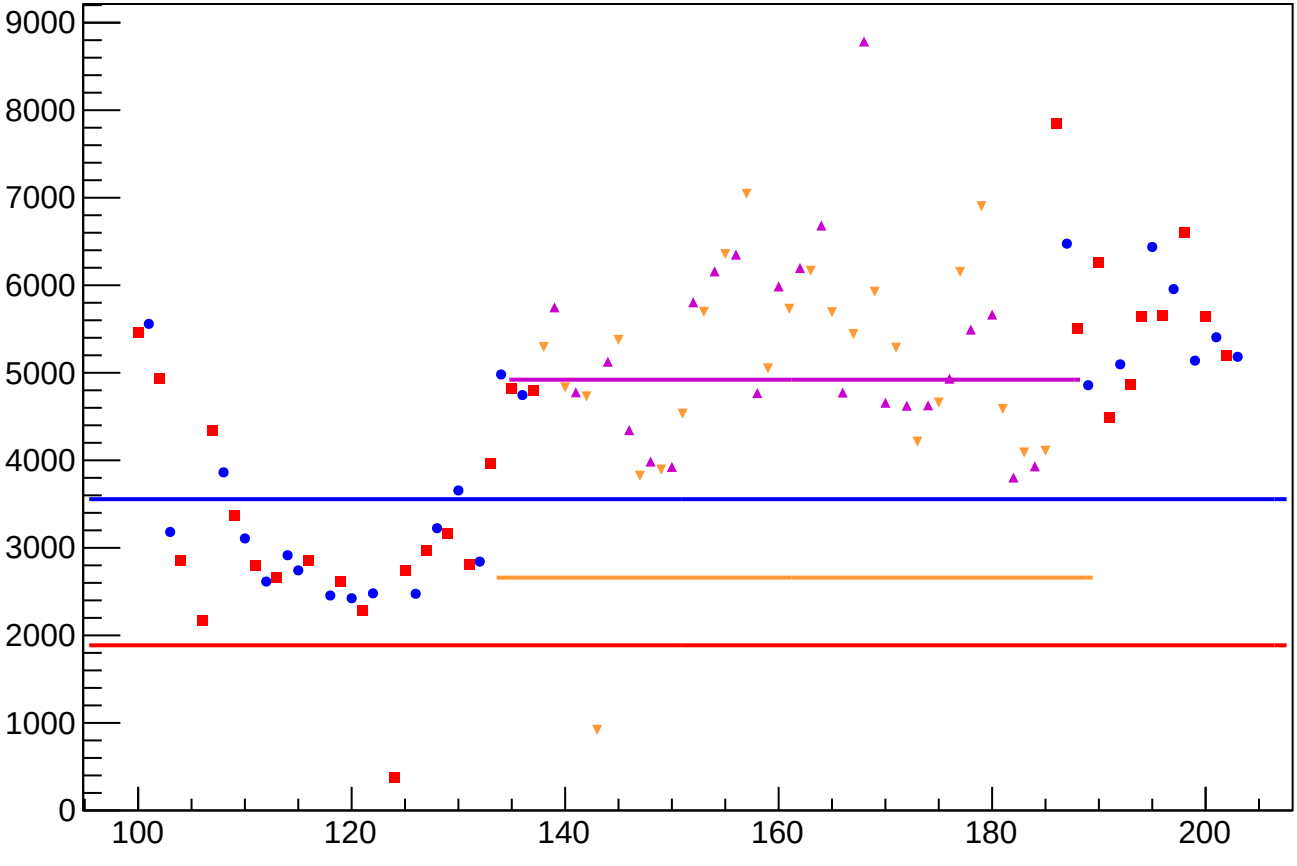
Right: 69.949+/-575.461 χ^2/NDF: 69.8/52

In: -371.368+/-777.404 χ^2/NDF:41.9/46

Out: -246.601+/-515.019 χ^2/NDF:76.0/53

All: -284.657+/-429.348 χ^2/NDF: 117.9/100

asym_atr1l2_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 3556.272+/-0.734 χ^2/NDF: 2761053.2/23

Left Out: 2659.907+/-0.546 χ^2/NDF:14536813.3/24

Right Out: 1886.612+/-0.489 χ^2/NDF: 13730218.7/28

Left In: 4921.316+/-0.830 χ^2/NDF:1251131.6/22

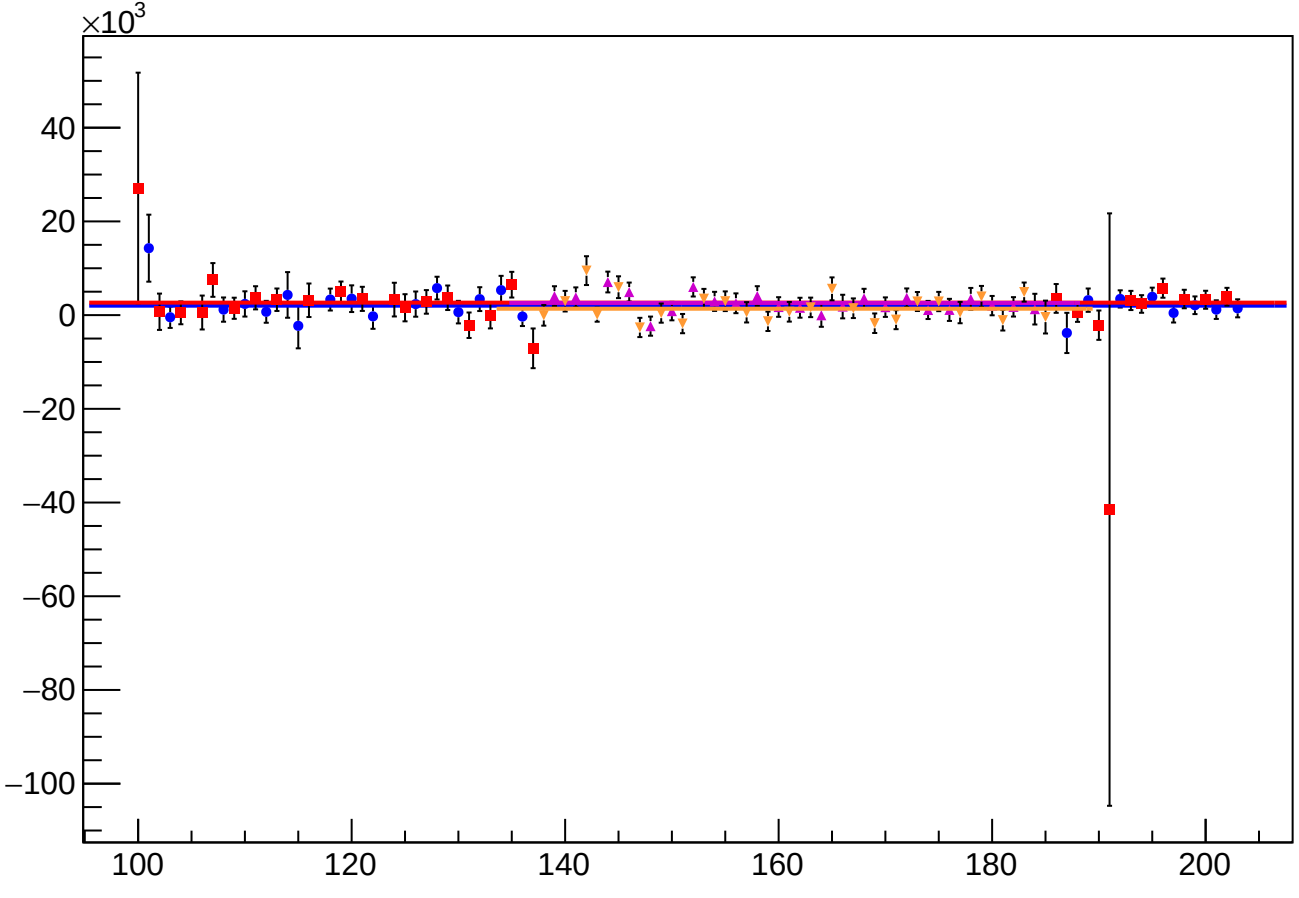
Left: 3342.790+/-0.456 χ^2/NDF: 20972927.8/47

Right: 2399.940+/-0.407 χ^2/NDF: 20076163.8/52

In: 4155.410+/-0.550 χ^2/NDF:5530766.4/46

Out: 2230.949+/-0.364 χ^2/NDF:29380767.1/53

All: 2817.945+/-0.304 χ^2/NDF: 43429340.0/



Right In: 2014.708+/-498.886 χ^2/NDF: 16.9/23

Left Out: 1363.887+/-427.332 χ^2/NDF:36.1/24

Right Out: 2663.991+/-479.441 χ^2/NDF: 24.8/28

Left In: 2602.835+/-446.741 χ^2/NDF:20.0/22

Left: 1955.864+/-308.803 χ^2/NDF: 60.2/47

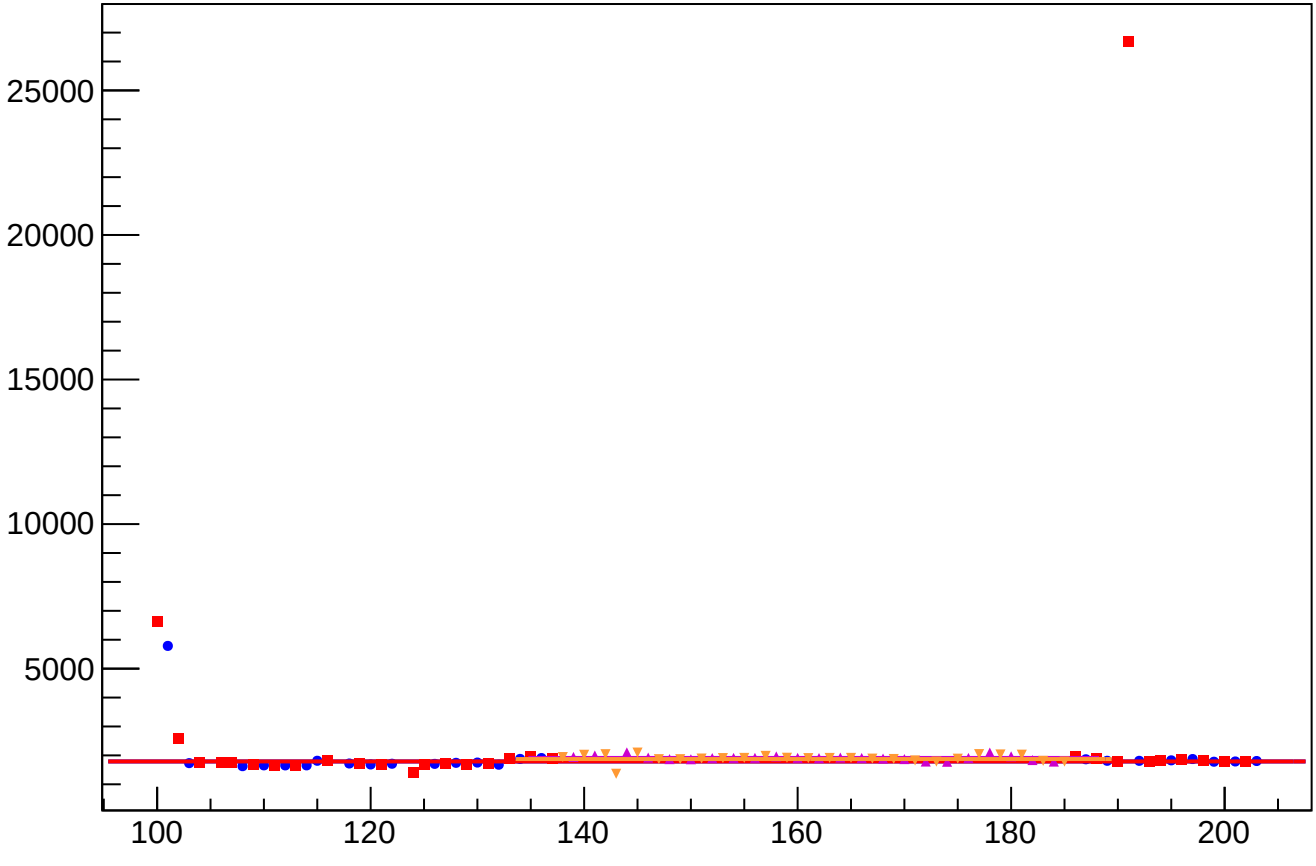
Right: 2352.250+/-345.686 χ^2/NDF: 42.6/52

In: 2341.105+/-332.808 χ^2/NDF:37.7/46

Out: 1939.473+/-319.008 χ^2/NDF:65.0/53

All: 2131.790+/-230.297 χ^2/NDF: 103.5/100

dit_asym_atr1l2_avg_rms vs Slug, Sign Corrected



Right In: 1789.685+/-0.353 χ^2/NDF: 674803.6/23

Left Out: 1873.177+/-0.302 χ^2/NDF:309733.7/24

Right Out: 1790.976+/-0.339 χ^2/NDF: 554936.0/28

Left In: 1911.423+/-0.316 χ^2/NDF:59139.8/22

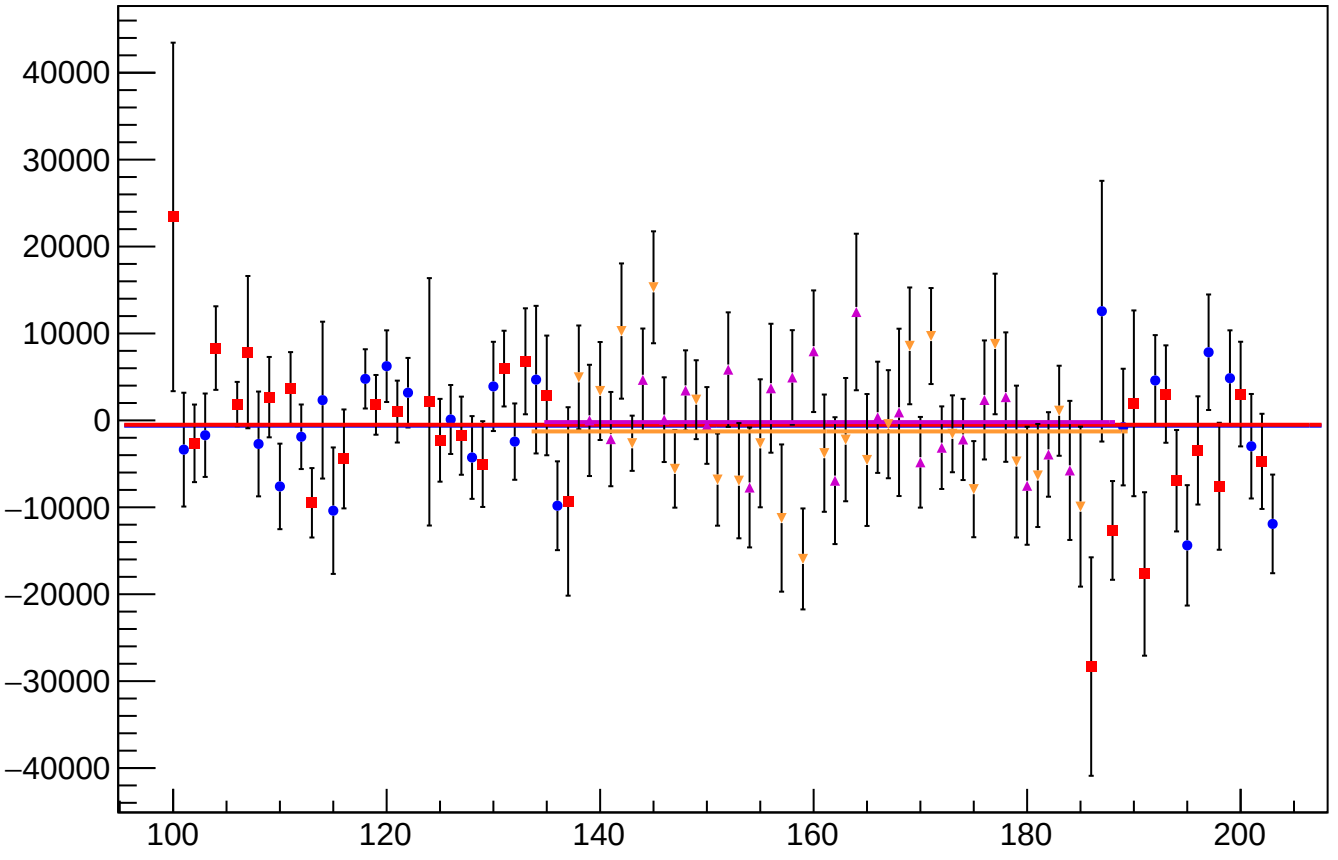
Left: 1891.452+/-0.218 χ^2/NDF: 376528.1/47

Right: 1790.357+/-0.244 χ^2/NDF: 1229746.6/52

In: 1857.247+/-0.235 χ^2/NDF:800036.6/46

Out: 1836.727+/-0.225 χ^2/NDF:897485.2/53

All: 1846.547+/-0.163 χ^2/NDF: 1701486.5/10



Right In: -610.559+/-1057.169 χ^2/NDF: 28.2/23

Left Out: -1269.760+/-1156.132 χ^2/NDF:33.4/24

Right Out: -502.332+/-954.156 χ^2/NDF: 36.7/28

Left In: -196.917+/-1234.538 χ^2/NDF:12.7/22

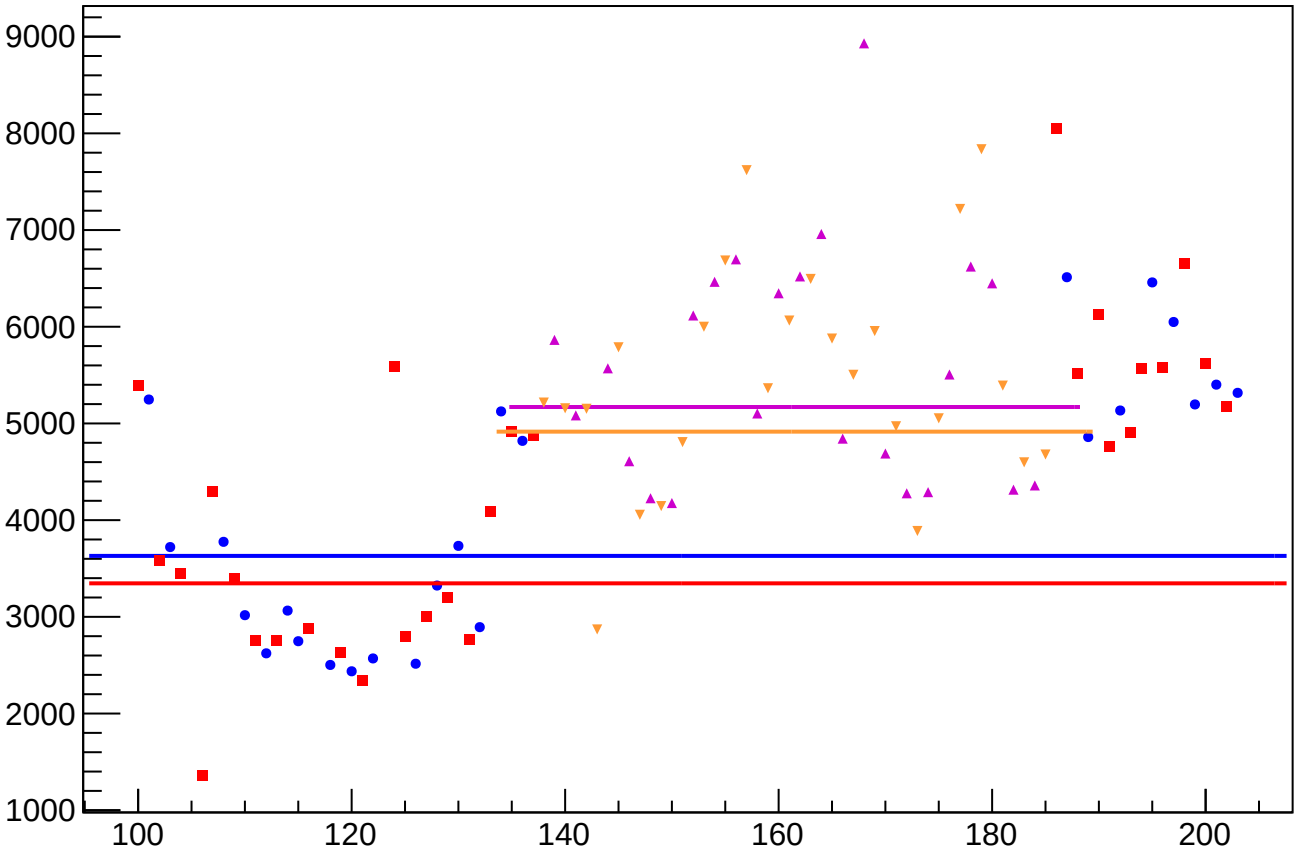
Left: -768.486+/-843.867 χ^2/NDF: 46.5/47

Right: -550.917+/-708.317 χ^2/NDF: 64.9/52

In: -435.561+/-802.986 χ^2/NDF:41.0/46

Out: -813.262+/-735.902 χ^2/NDF:70.4/53

All: -640.845+/-542.530 χ^2/NDF: 111.5/100



Right In: 3630.264+/-0.748 χ^2/NDF: 2677431.2/23

Left Out: 4915.244+/-0.818 χ^2/NDF:2166229.1/24

Right Out: 3346.426+/-0.675 χ^2/NDF: 4282815.4/28

Left In: 5170.028+/-0.873 χ^2/NDF:1348711.3/22

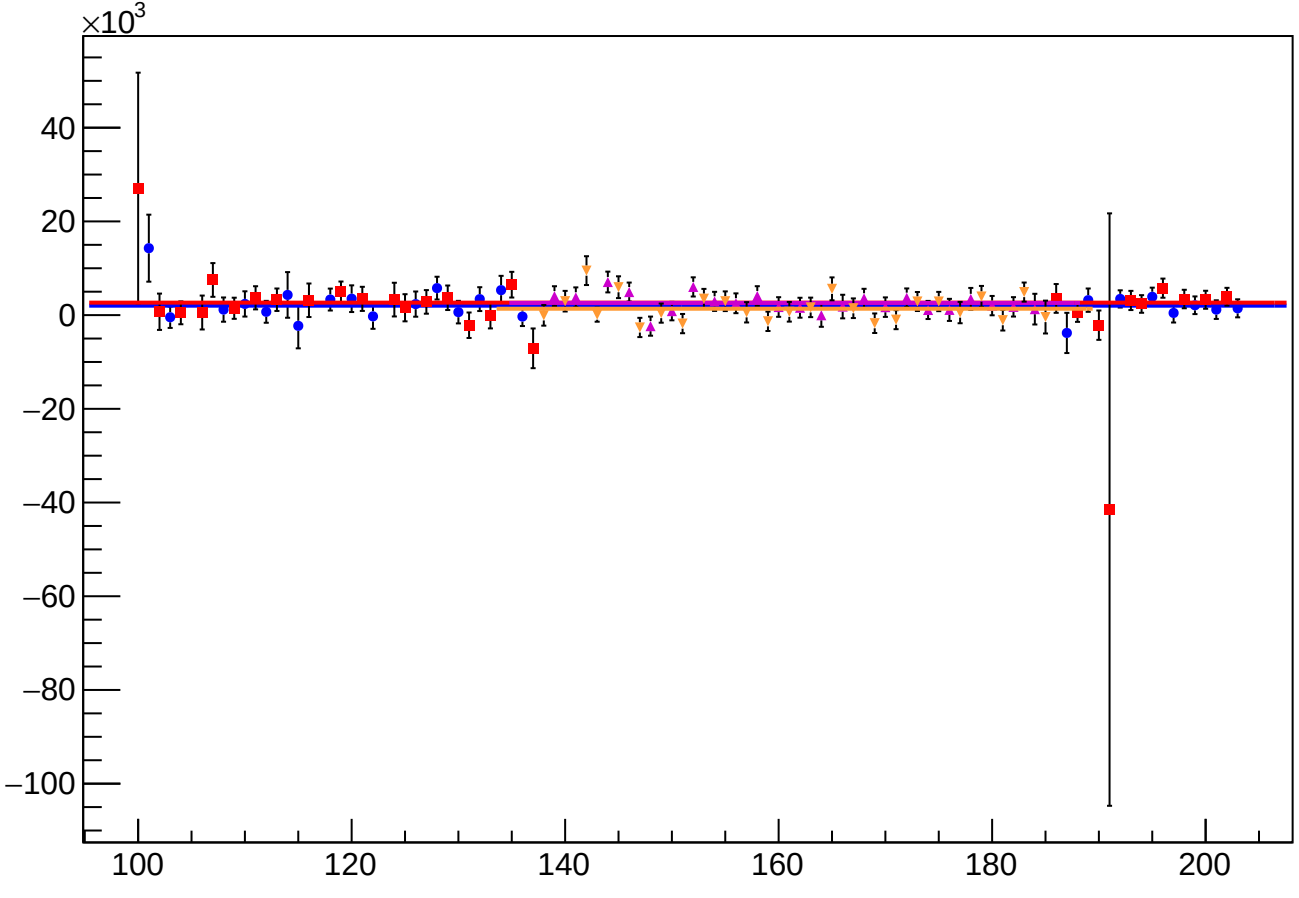
Left: 5034.289+/-0.597 χ^2/NDF: 3560323.8/47

Right: 3473.846+/-0.501 χ^2/NDF: 7039697.8/52

In: 4281.684+/-0.568 χ^2/NDF:5821107.8/46

Out: 3982.046+/-0.520 χ^2/NDF:8639638.4/53

All: 4118.828+/-0.384 χ^2/NDF: 14612107.6/1



Right In: 2014.705+/-498.886 χ^2/NDF: 16.9/23

Left Out: 1363.884+/-427.333 χ^2/NDF:36.1/24

Right Out: 2663.991+/-479.441 χ^2/NDF: 24.8/28

Left In: 2602.834+/-446.742 χ^2/NDF:20.0/22

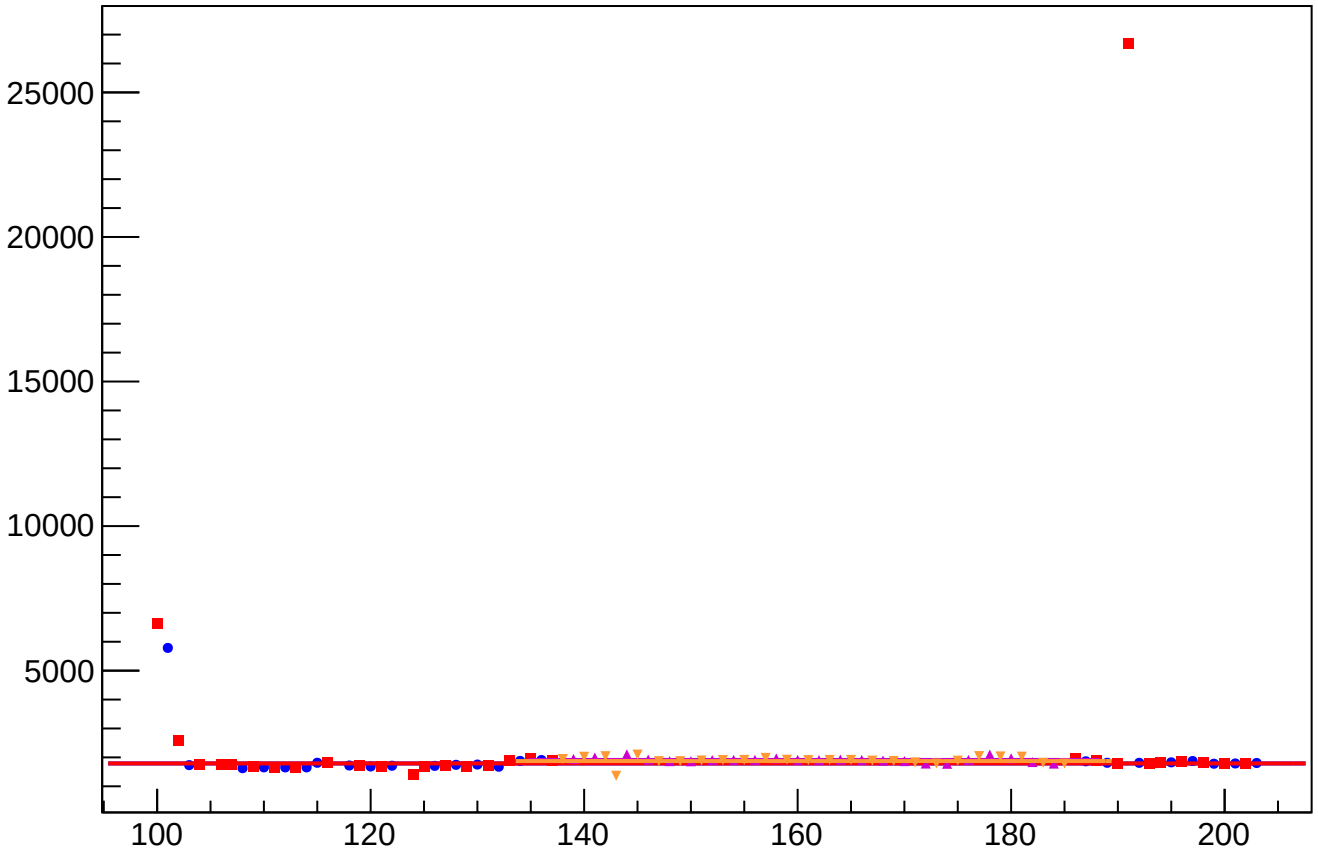
Left: 1955.861+/-308.803 χ^2/NDF: 60.2/47

Right: 2352.248+/-345.686 χ^2/NDF: 42.6/52

In: 2341.102+/-332.808 χ^2/NDF:37.7/46

Out: 1939.472+/-319.008 χ^2/NDF:65.0/53

All: 2131.788+/-230.297 χ^2/NDF: 103.5/100



Right In: 1789.685+/-0.353 χ^2/NDF: 674803.7/23

Left Out: 1873.178+/-0.302 χ^2/NDF:309737.2/24

Right Out: 1790.976+/-0.339 χ^2/NDF: 554936.0/28

Left In: 1911.425+/-0.316 χ^2/NDF:59142.0/22

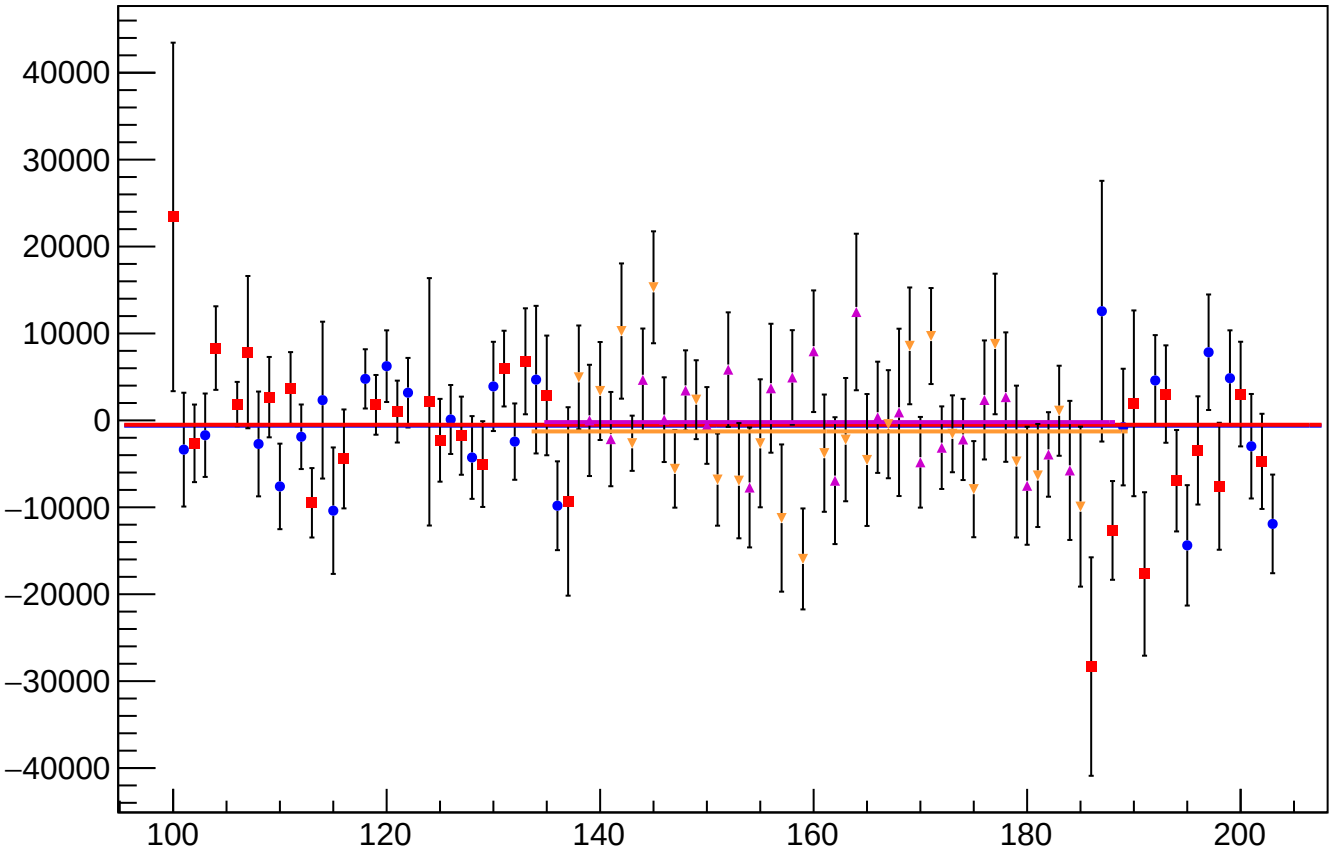
Left: 1891.453+/-0.218 χ^2/NDF: 376533.8/47

Right: 1790.357+/-0.244 χ^2/NDF: 1229746.7/52

In: 1857.248+/-0.235 χ^2/NDF:800040.0/46

Out: 1836.728+/-0.225 χ^2/NDF:897489.4/53

All: 1846.547+/-0.163 χ^2/NDF: 1701494.2/10



Right In: -610.552+/-1057.167 χ^2/NDF: 28.2/23

Left Out: -1269.765+/-1156.133 χ^2/NDF:33.4/24

Right Out: -502.324+/-954.153 χ^2/NDF: 36.7/28

Left In: -196.918+/-1234.540 χ^2/NDF:12.7/22

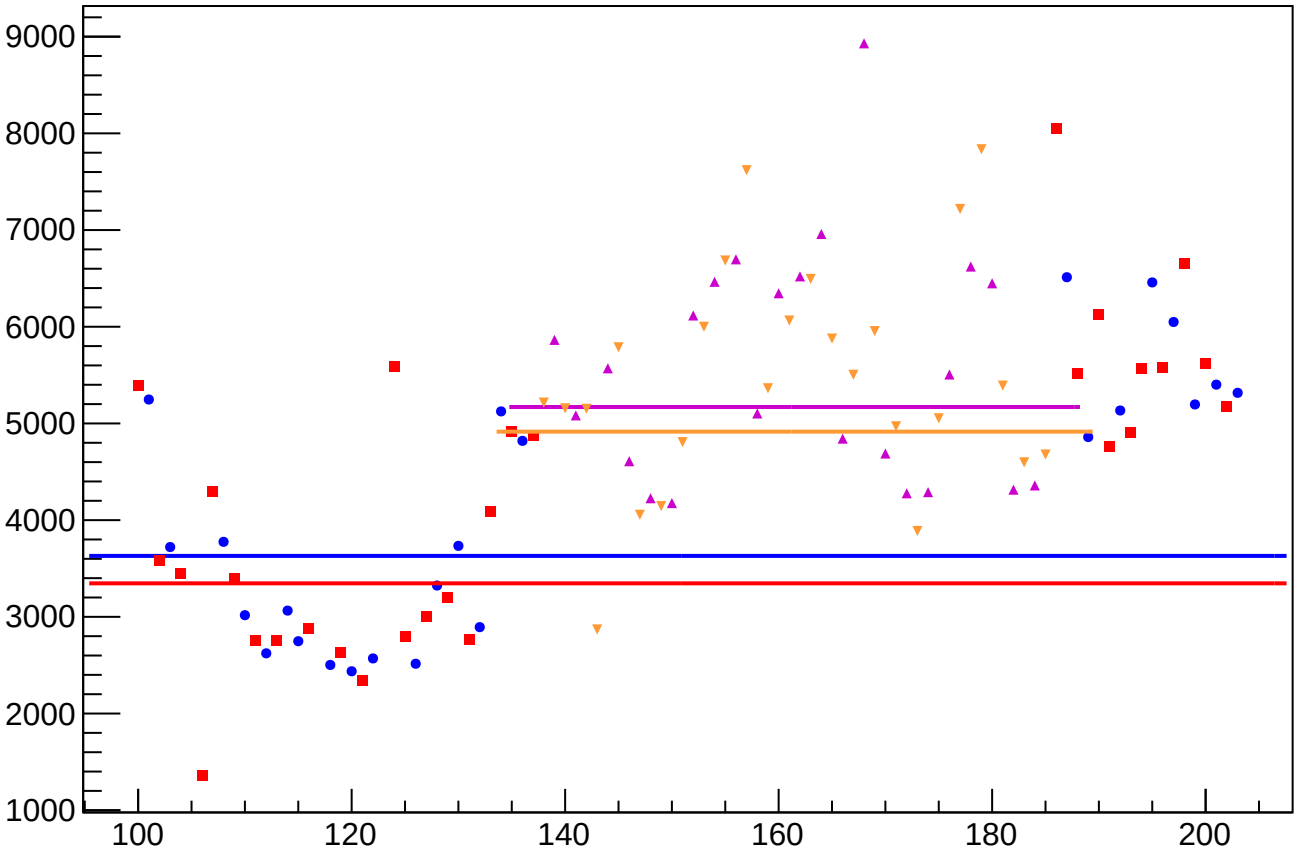
Left: -768.490+/-843.868 χ^2/NDF: 46.5/47

Right: -550.909+/-708.315 χ^2/NDF: 64.9/52

In: -435.559+/-802.985 χ^2/NDF:41.0/46

Out: -813.258+/-735.901 χ^2/NDF:70.4/53

All: -640.842+/-542.529 χ^2/NDF: 111.5/100



Right In: 3630.253+/-0.748 χ^2/NDF: 2677468.0/23

Left Out: 4915.251+/-0.818 χ^2/NDF:2166236.2/24

Right Out: 3346.412+/-0.675 χ^2/NDF: 4282871.0/28

Left In: 5170.035+/-0.873 χ^2/NDF:1348713.2/22

Left: 5034.296+/-0.597 χ^2/NDF: 3560333.0/47

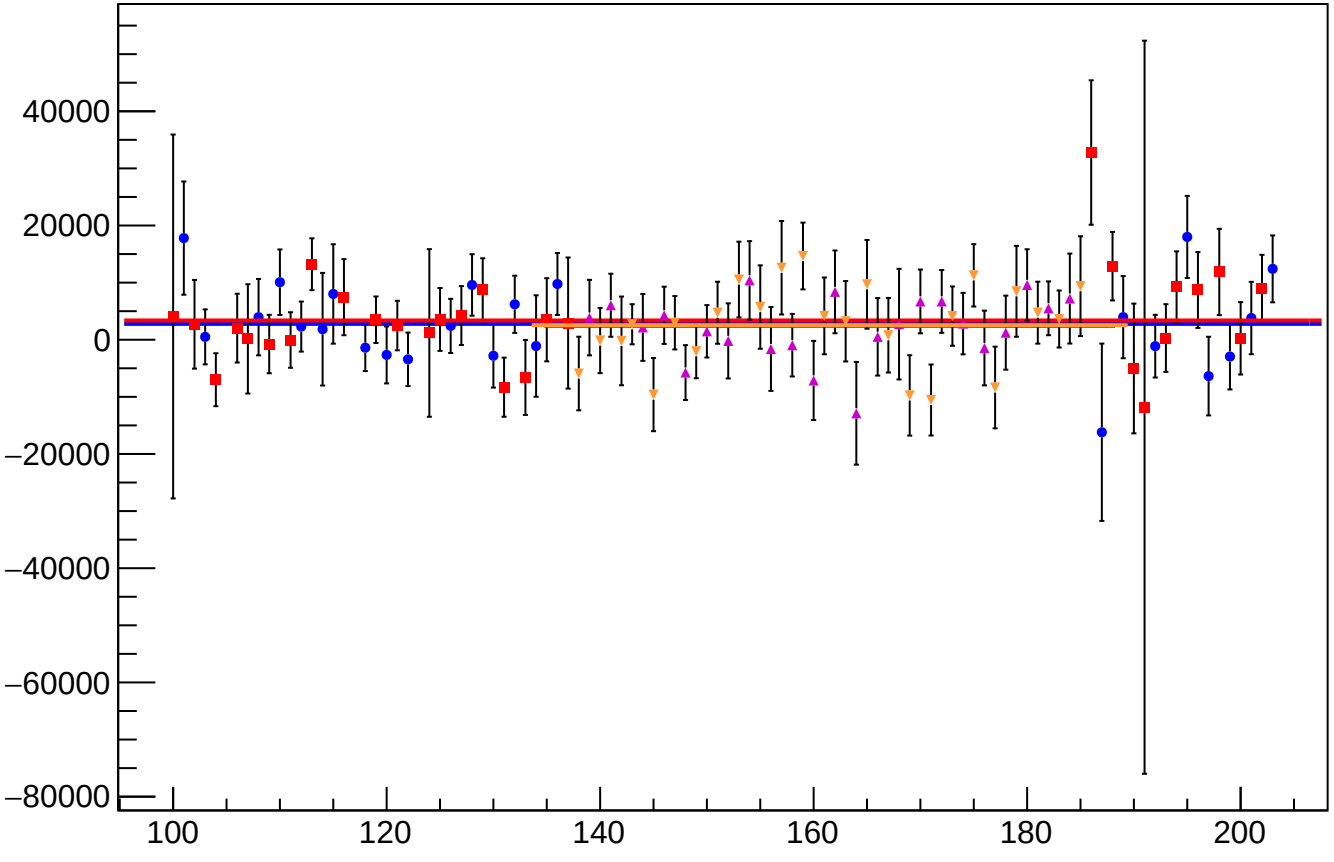
Right: 3473.833+/-0.501 χ^2/NDF: 7039792.1/52

In: 4281.678+/-0.568 χ^2/NDF:5821189.8/46

Out: 3982.037+/-0.520 χ^2/NDF:8639758.1/53

All: 4118.820+/-0.384 χ^2/NDF: 14612312.3/1

asym_atr1l2_avg_mean vs Slug, Sign Corrected



Right In: 2780.601+/-1189.683 χ^2/NDF: 25.5/23

Left Out: 2547.072+/-1187.668 χ^2/NDF:29.1/24

Right Out: 3374.683+/-1151.665 χ^2/NDF: 32.6/28

Left In: 2423.016+/-1259.653 χ^2/NDF:15.0/22

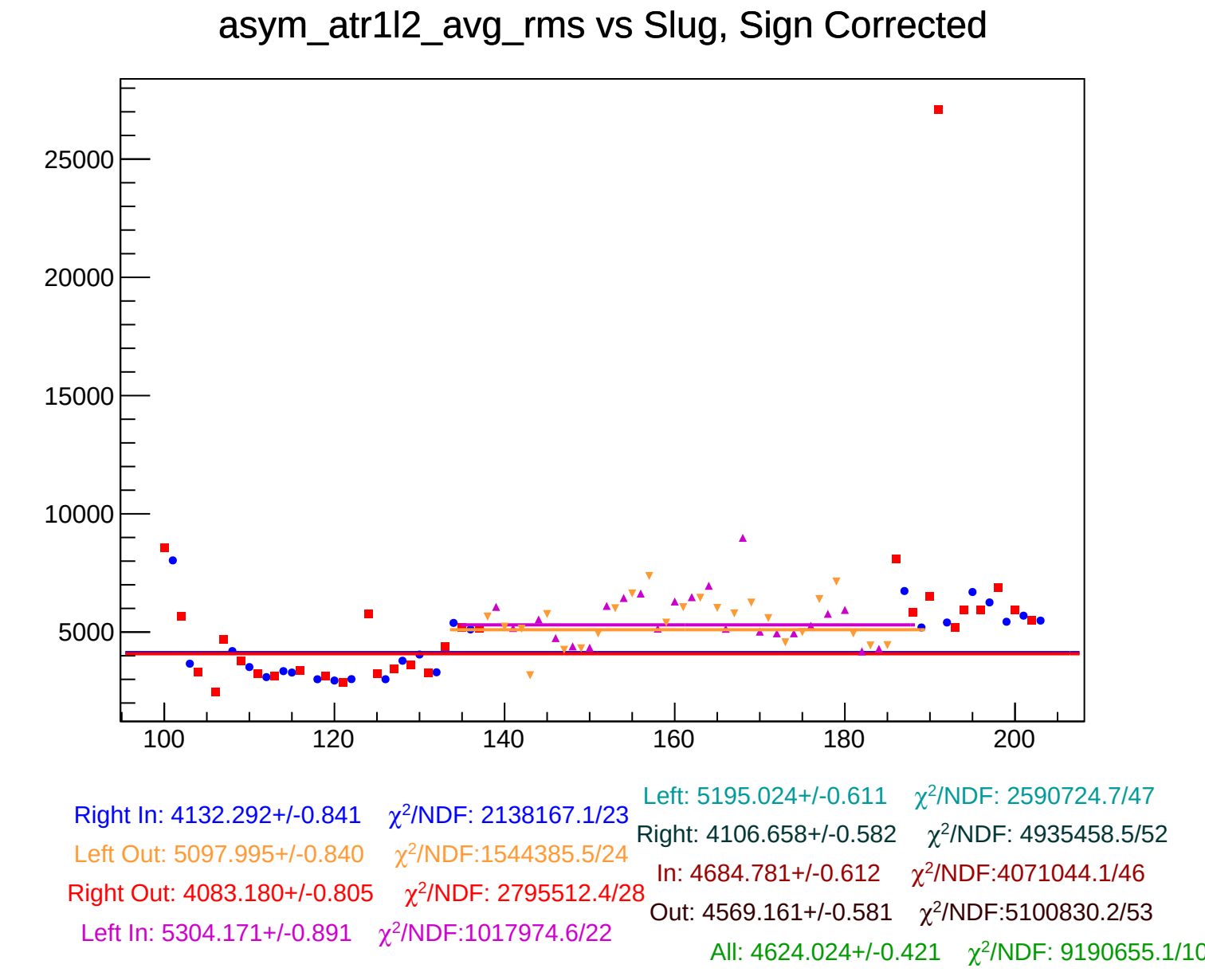
Left: 2488.690+/-864.136 χ^2/NDF: 44.1/47

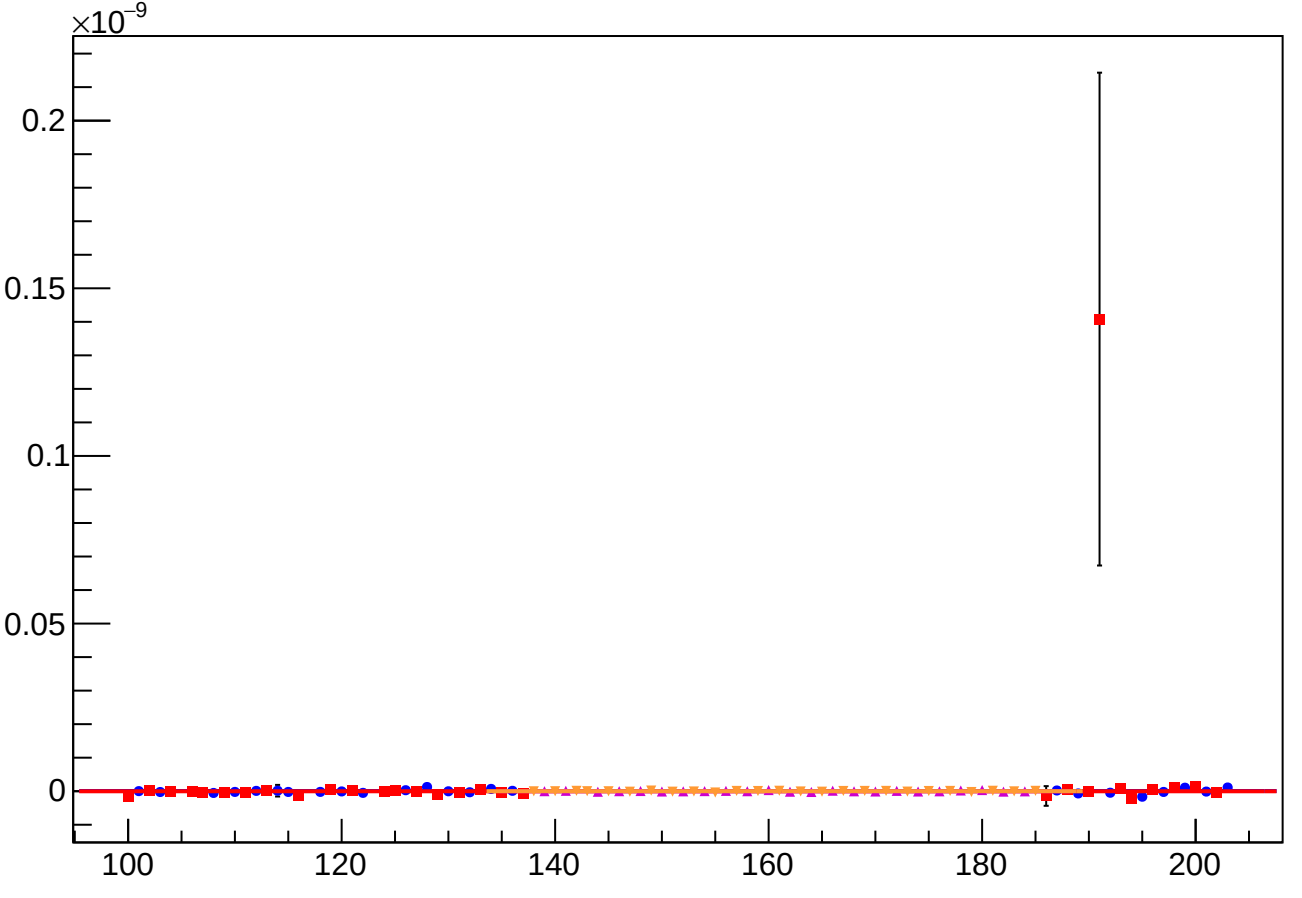
Right: 3087.286+/-827.464 χ^2/NDF: 58.2/52

In: 2612.016+/-864.912 χ^2/NDF:40.5/46

Out: 2973.612+/-826.785 χ^2/NDF:62.0/53

All: 2800.959+/-597.650 χ^2/NDF: 102.6/100


asym_atr1l2_avg_rms vs Slug, Sign Corrected
25000
20000
15000
10000
5000
100
120
140
160
180
200
Right In: 4132.292+/-0.841 χ²/NDF: 2138167.1/23
Left Out: 5097.995+/-0.840 χ²/NDF:1544385.5/24
Right Out: 4083.180+/-0.805 χ²/NDF: 2795512.4/28
Left In: 5304.171+/-0.891 χ²/NDF:1017974.6/22
Left: 5195.024+/-0.611 χ²/NDF: 2590724.7/47
Right: 4106.658+/-0.582 χ²/NDF: 4935458.5/52
In: 4684.781+/-0.612 χ²/NDF:4071044.1/46
Out: 4569.161+/-0.581 χ²/NDF:5100830.2/53
All: 4624.024+/-0.421 χ²/NDF: 9190655.1/10



Right In: 0.000+/-0.000 χ^2/NDF: 28.4/23

Left Out: 0.000+/-0.000 χ^2/NDF:15.2/24

Right Out: -0.000+/-0.000 χ^2/NDF: 38.2/28

Left In: -0.000+/-0.000 χ^2/NDF:22.9/22

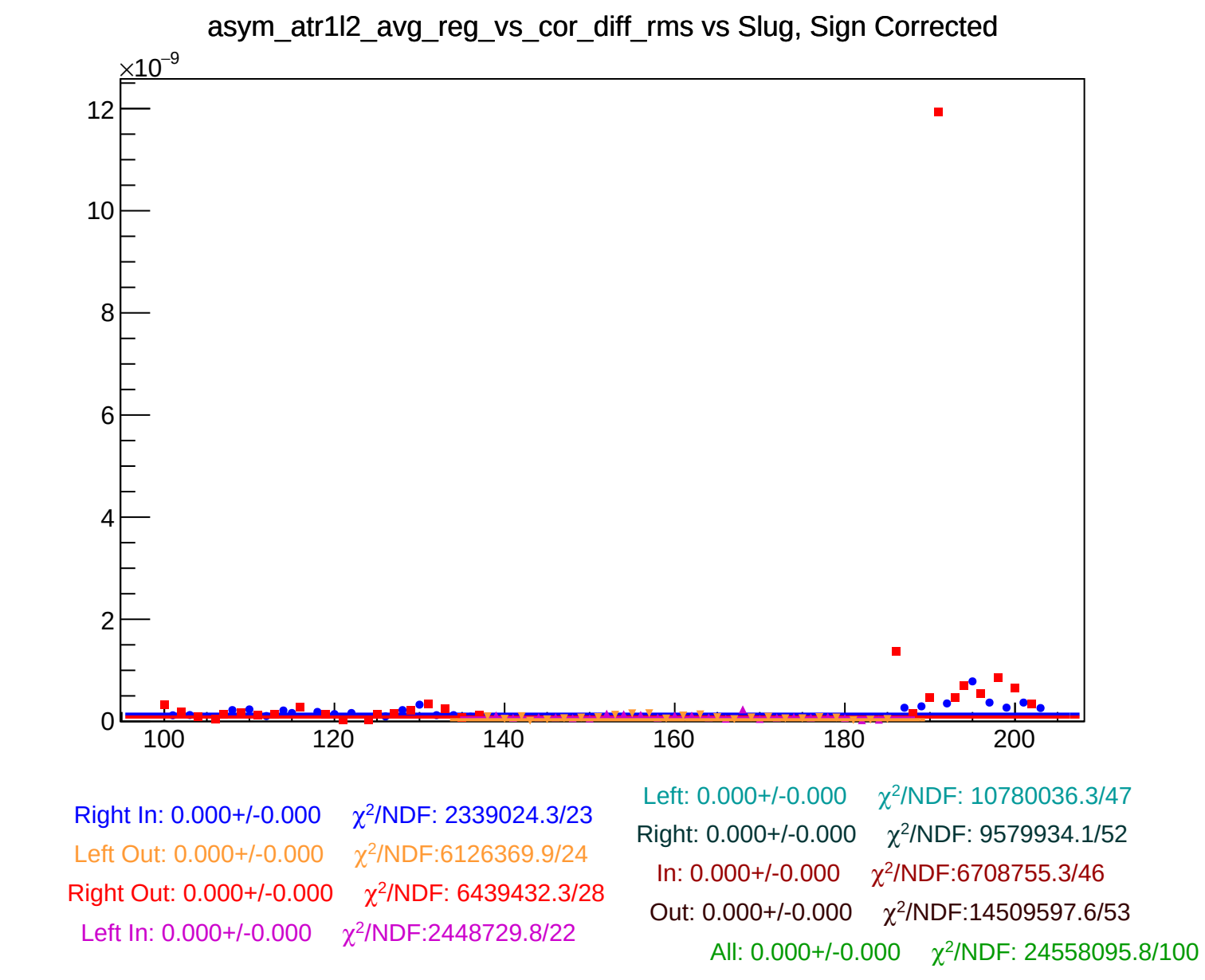
Left: 0.000+/-0.000 χ^2/NDF: 38.2/47

Right: 0.000+/-0.000 χ^2/NDF: 67.4/52

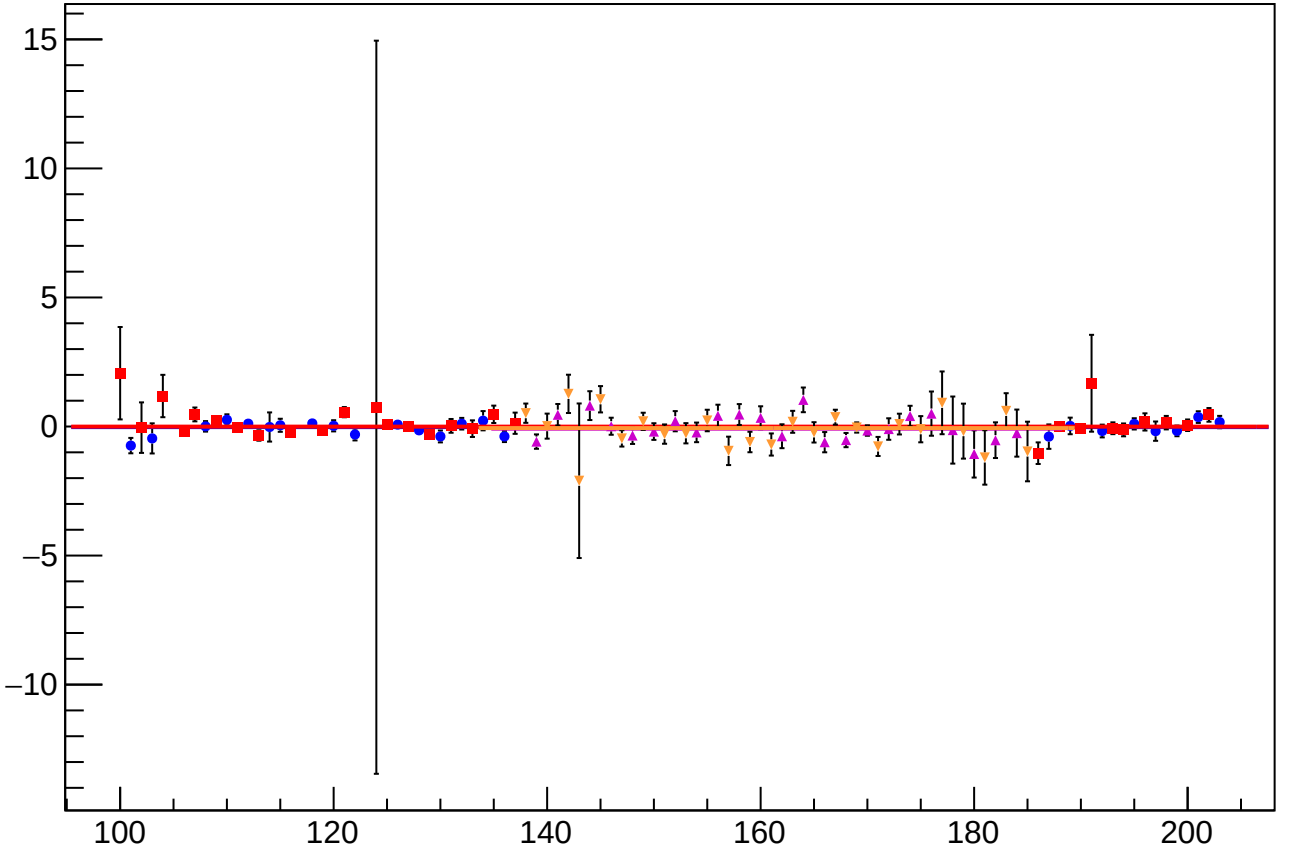
In: 0.000+/-0.000 χ^2/NDF:52.0/46

Out: 0.000+/-0.000 χ^2/NDF:53.6/53

All: 0.000+/-0.000 χ^2/NDF: 105.6/100


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: 2339024.3/23
Left Out: 0.000+/-0.000 χ²/NDF:6126369.9/24
Right Out: 0.000+/-0.000 χ²/NDF: 6439432.3/28
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: 9579934.1/52
In: 0.000+/-0.000 χ²/NDF:6708755.3/46
Out: 0.000+/-0.000 χ²/NDF:14509597.6/53
All: 0.000+/-0.000 χ²/NDF: 24558095.8/100

asym_atr1l2_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.023+/-0.048 χ^2/NDF: 23.7/23

Left Out: -0.061+/-0.084 χ^2/NDF:30.8/24

Right Out: -0.004+/-0.041 χ^2/NDF: 39.8/28

Left In: -0.084+/-0.081 χ^2/NDF:27.0/22

Left: -0.073+/-0.058 χ^2/NDF: 57.8/47

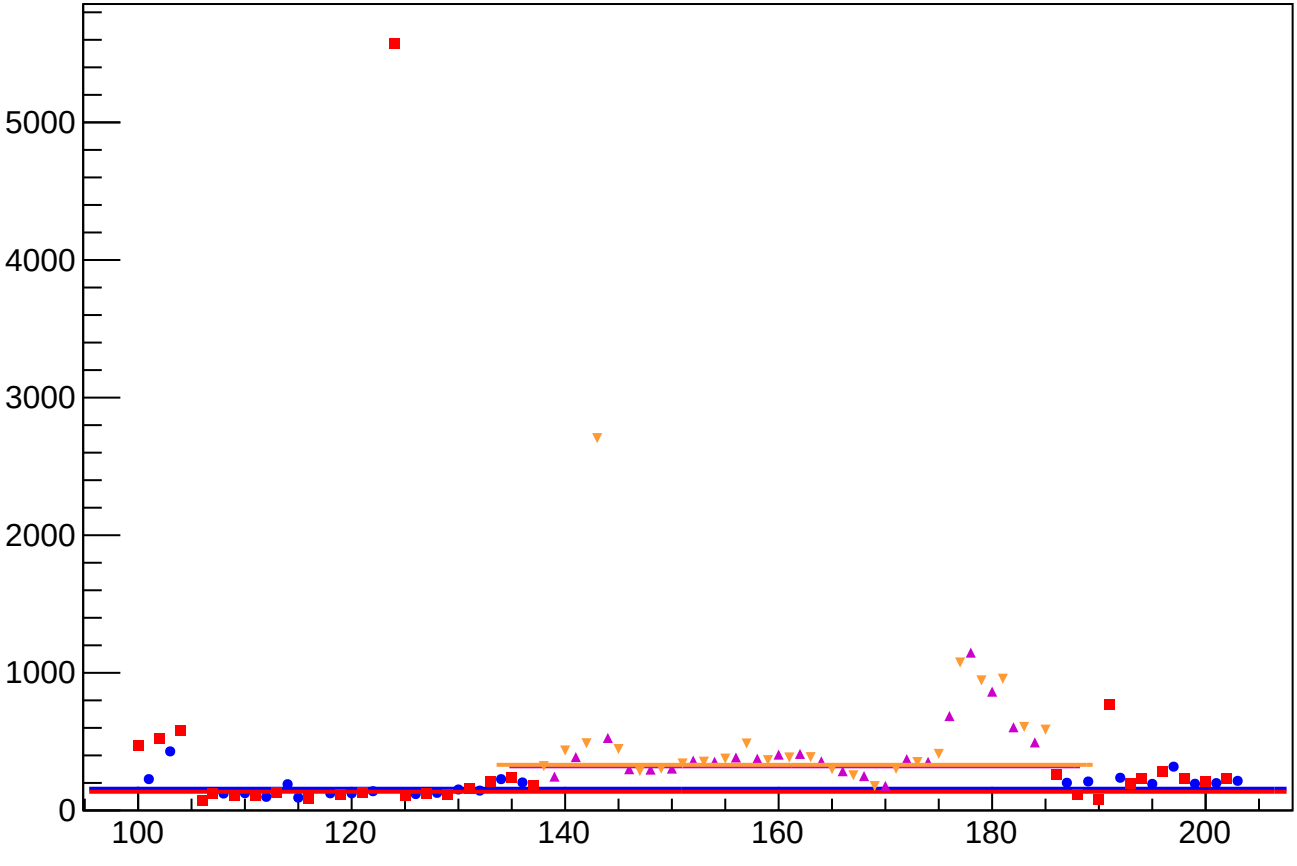
Right: -0.012+/-0.031 χ^2/NDF: 63.6/52

In: -0.038+/-0.041 χ^2/NDF:51.1/46

Out: -0.015+/-0.037 χ^2/NDF:71.0/53

All: -0.026+/-0.028 χ^2/NDF: 122.2/100

asym_atr1l2_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 157.800+/-0.034 χ^2/NDF: 2476336.6/23

Left Out: 331.651+/-0.059 χ^2/NDF:5838206.4/24

Right Out: 135.943+/-0.029 χ^2/NDF: 4601019.2/28

Left In: 320.746+/-0.057 χ^2/NDF:4248172.2/22

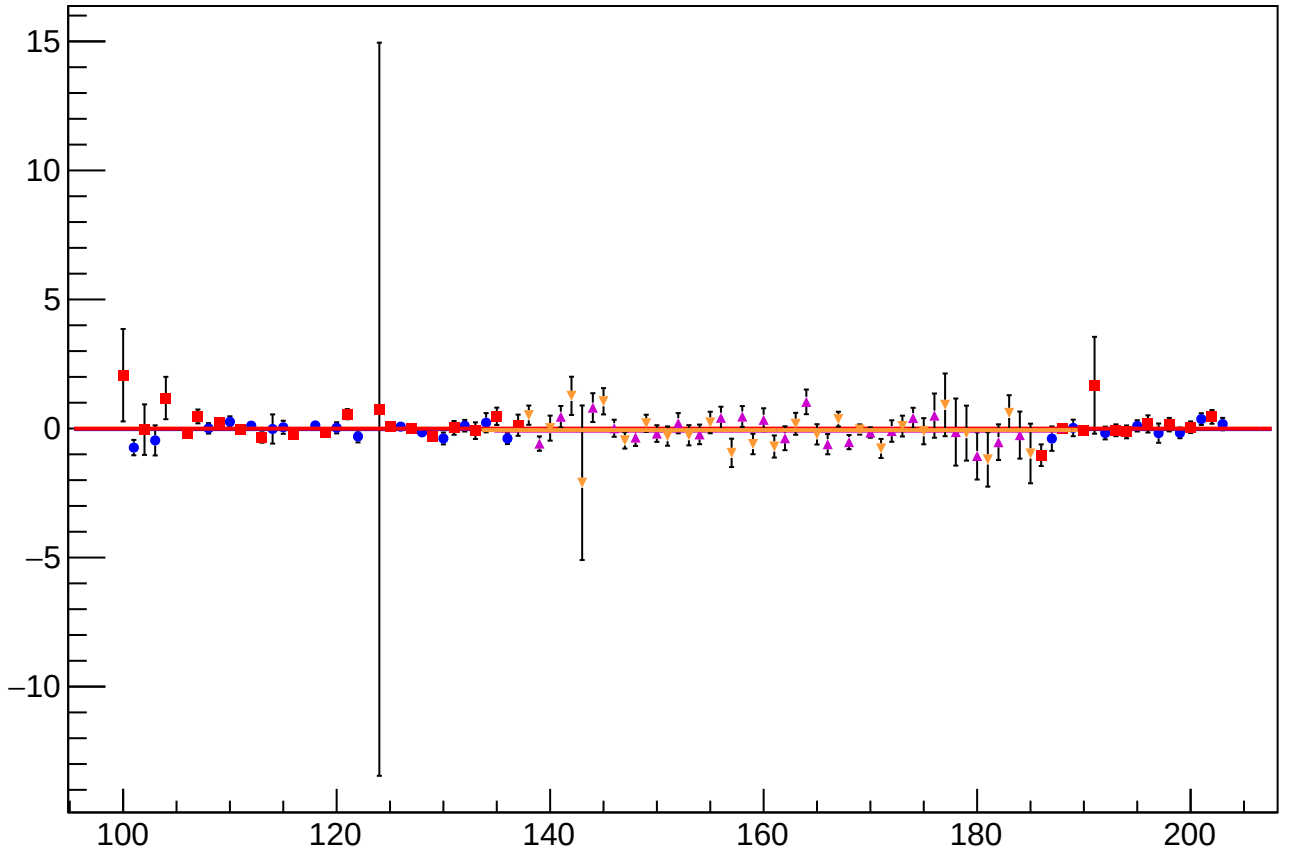
Left: 326.030+/-0.041 χ^2/NDF: 10103882.3/47

Right: 145.365+/-0.022 χ^2/NDF: 7316550.5/52

In: 199.608+/-0.029 χ^2/NDF:12719875.2/46

Out: 174.563+/-0.026 χ^2/NDF:19217438.4/53

All: 185.833+/-0.019 χ^2/NDF: 32345729.7/10



Right In: -0.023+/-0.048 χ^2/NDF: 23.7/23

Left Out: -0.061+/-0.084 χ^2/NDF:30.8/24

Right Out: -0.004+/-0.041 χ^2/NDF: 39.8/28

Left In: -0.084+/-0.081 χ^2/NDF:27.0/22

Left: -0.073+/-0.058 χ^2/NDF: 57.8/47

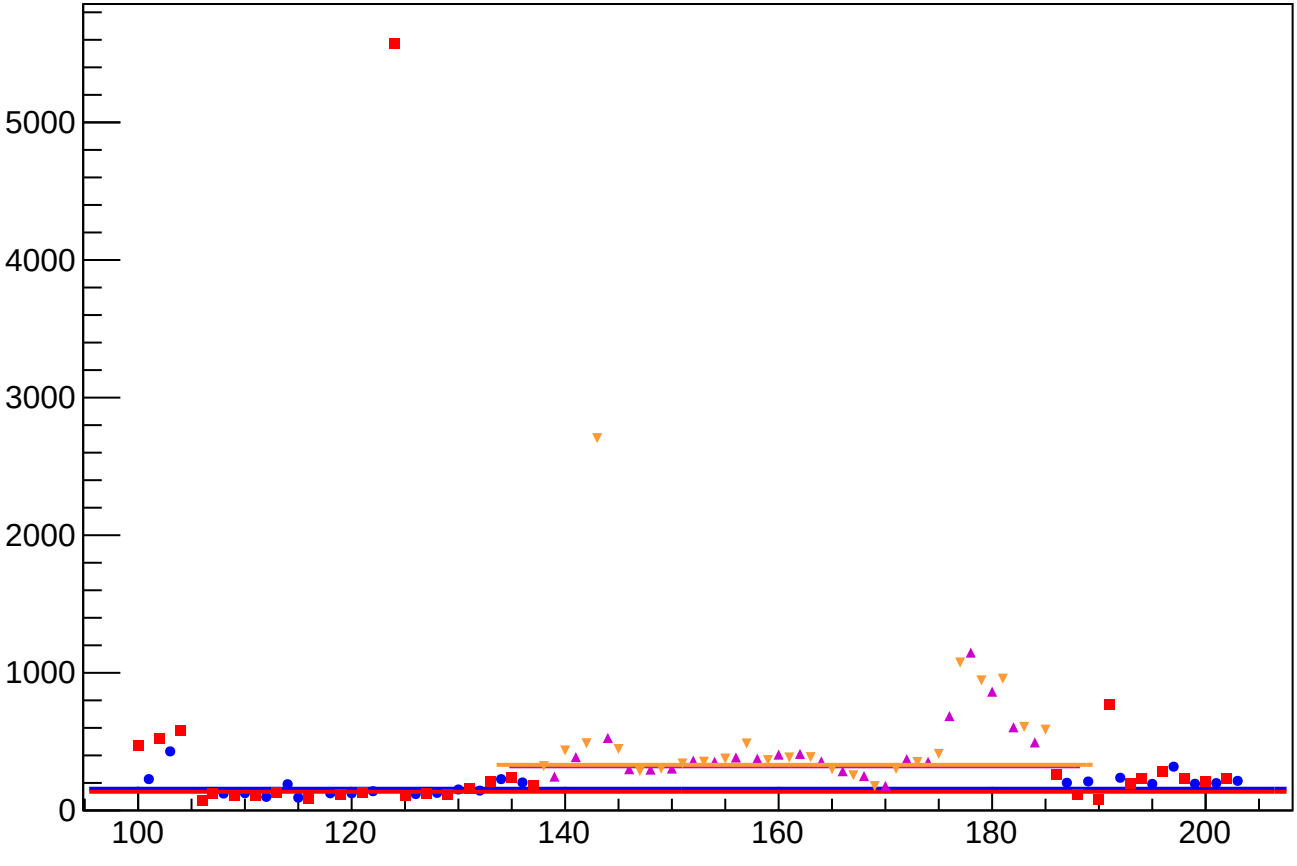
Right: -0.012+/-0.031 χ^2/NDF: 63.6/52

In: -0.038+/-0.041 χ^2/NDF:51.1/46

Out: -0.015+/-0.037 χ^2/NDF:71.0/53

All: -0.026+/-0.028 χ^2/NDF: 122.2/100

asym_atr1l2_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 157.800+/-0.034 χ^2/NDF: 2476336.6/23

Left Out: 331.651+/-0.059 χ^2/NDF:5838206.4/24

Right Out: 135.943+/-0.029 χ^2/NDF: 4601019.2/28

Left In: 320.746+/-0.057 χ^2/NDF:4248172.2/22

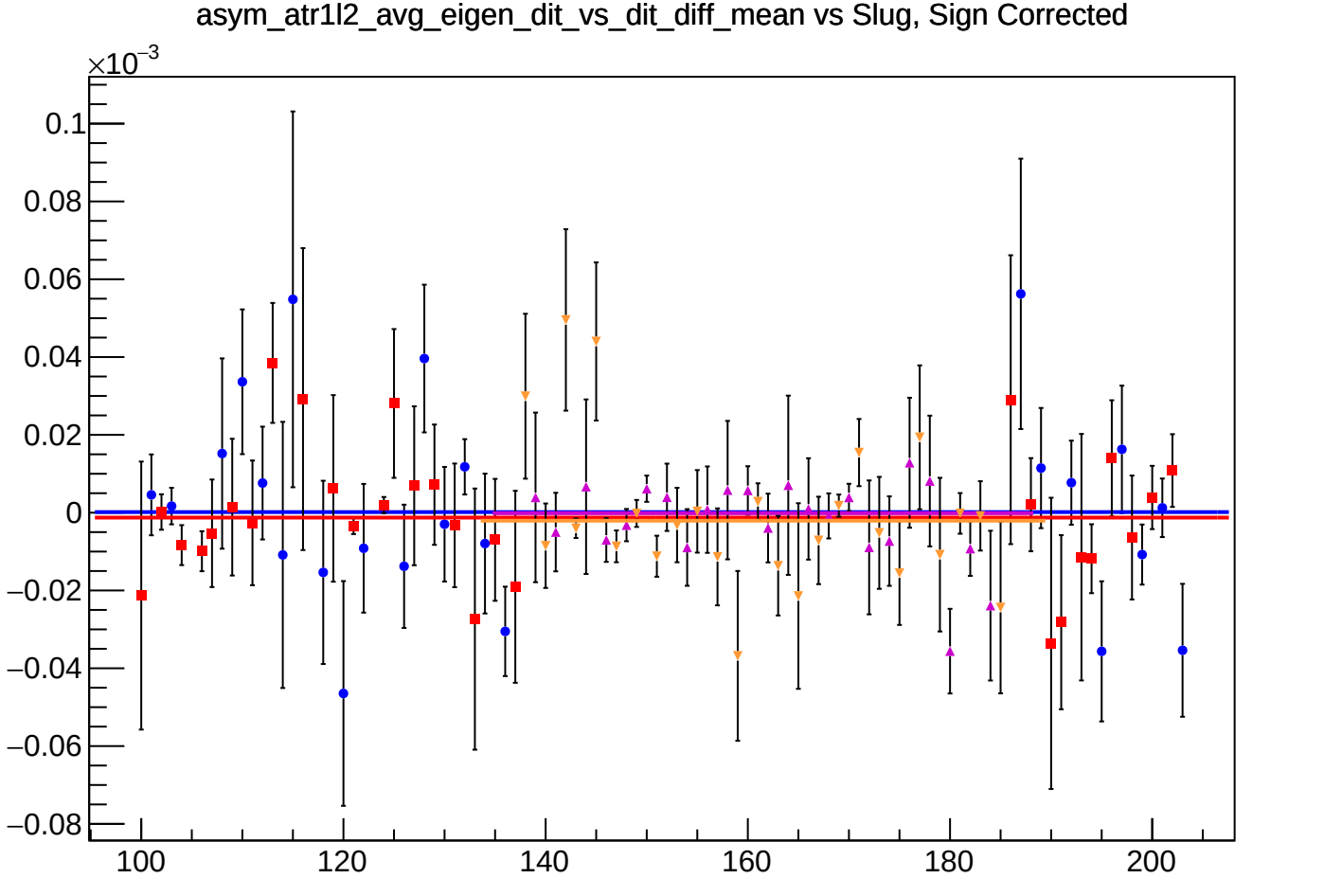
Left: 326.030+/-0.041 χ^2/NDF: 10103882.3/47

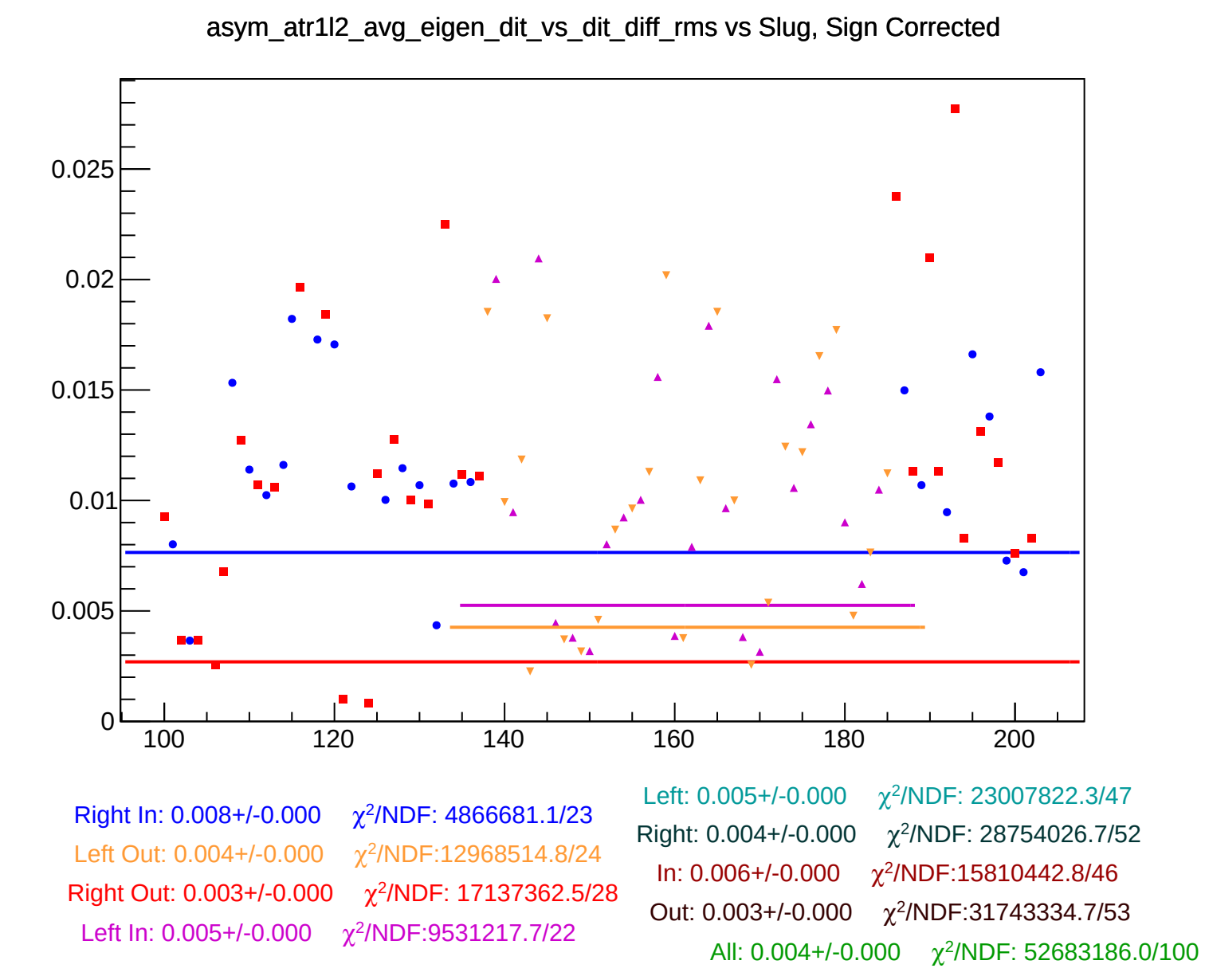
Right: 145.365+/-0.022 χ^2/NDF: 7316550.5/52

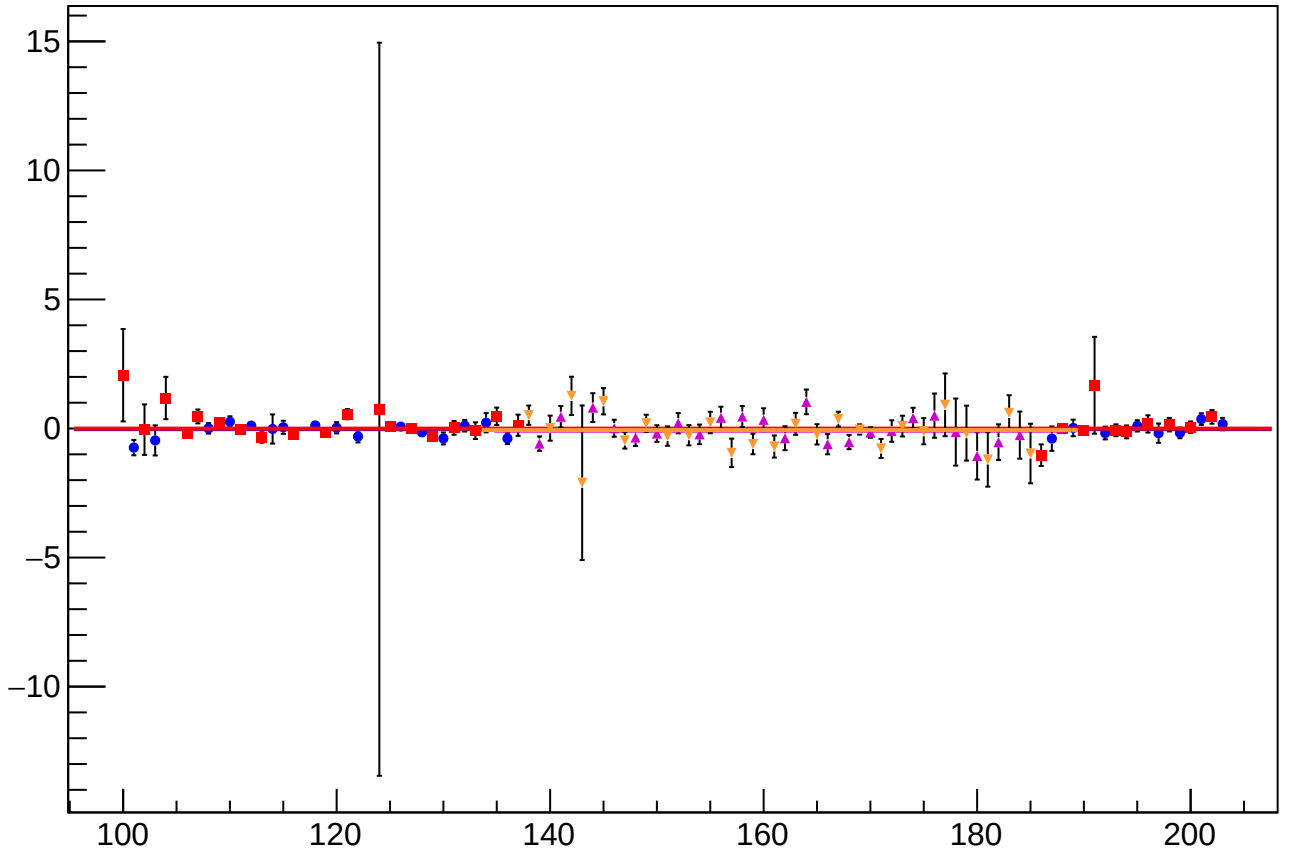
In: 199.608+/-0.029 χ^2/NDF:12719875.2/46

Out: 174.563+/-0.026 χ^2/NDF:19217438.4/53

All: 185.833+/-0.019 χ^2/NDF: 32345729.7/10


asym_atr1l2_avg_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected
×10^−3
0.1
0.08
0.06
0.04
0.02
0
−0.02
−0.04
−0.06
−0.08
100
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 39.0/23
Left Out: -0.000+/-0.000 χ²/NDF:34.8/24
Right Out: -0.000+/-0.000 χ²/NDF: 28.0/28
Left In: -0.000+/-0.000 χ²/NDF:24.9/22
Left: -0.000+/-0.000 χ²/NDF: 60.6/47
Right: -0.000+/-0.000 χ²/NDF: 67.2/52
In: -0.000+/-0.000 χ²/NDF:63.8/46
Out: -0.000+/-0.000 χ²/NDF:63.0/53
All: -0.000+/-0.000 χ²/NDF: 127.9/100


asym_atr1l2_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected
0.025
0.02
0.015
0.01
0.005
0
100
120
140
160
180
200
Right In: 0.008+/-0.000 χ²/NDF: 4866681.1/23
Left Out: 0.004+/-0.000 χ²/NDF:12968514.8/24
Right Out: 0.003+/-0.000 χ²/NDF: 17137362.5/28
Left In: 0.005+/-0.000 χ²/NDF:9531217.7/22
Left: 0.005+/-0.000 χ²/NDF: 23007822.3/47
Right: 0.004+/-0.000 χ²/NDF: 28754026.7/52
In: 0.006+/-0.000 χ²/NDF:15810442.8/46
Out: 0.003+/-0.000 χ²/NDF:31743334.7/53
All: 0.004+/-0.000 χ²/NDF: 52683186.0/100



Right In: -0.023+/-0.048 χ^2/NDF: 23.7/23

Left Out: -0.061+/-0.084 χ^2/NDF:30.8/24

Right Out: -0.004+/-0.041 χ^2/NDF: 39.8/28

Left In: -0.084+/-0.081 χ^2/NDF:27.0/22

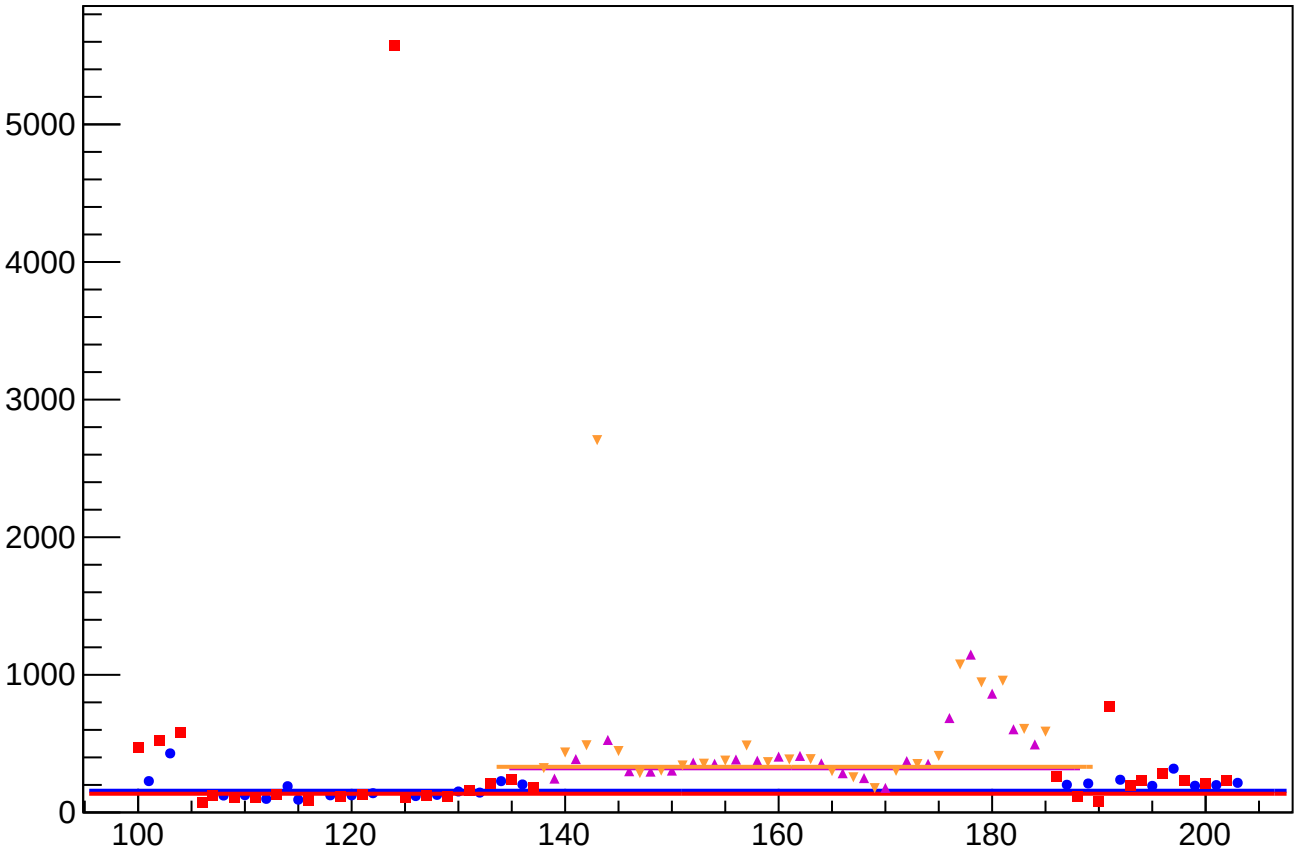
Left: -0.073+/-0.058 χ^2/NDF: 57.8/47

Right: -0.012+/-0.031 χ^2/NDF: 63.6/52

In: -0.038+/-0.041 χ^2/NDF:51.1/46

Out: -0.015+/-0.037 χ^2/NDF:71.0/53

All: -0.026+/-0.028 χ^2/NDF: 122.2/100



Right In: 157.801+/-0.034 χ^2/NDF: 2476268.8/23

Left Out: 331.653+/-0.059 χ^2/NDF:5838264.0/24

Right Out: 135.943+/-0.029 χ^2/NDF: 4601011.2/28

Left In: 320.749+/-0.057 χ^2/NDF:4248171.3/22

Left: 326.033+/-0.041 χ^2/NDF: 10103935.7/47

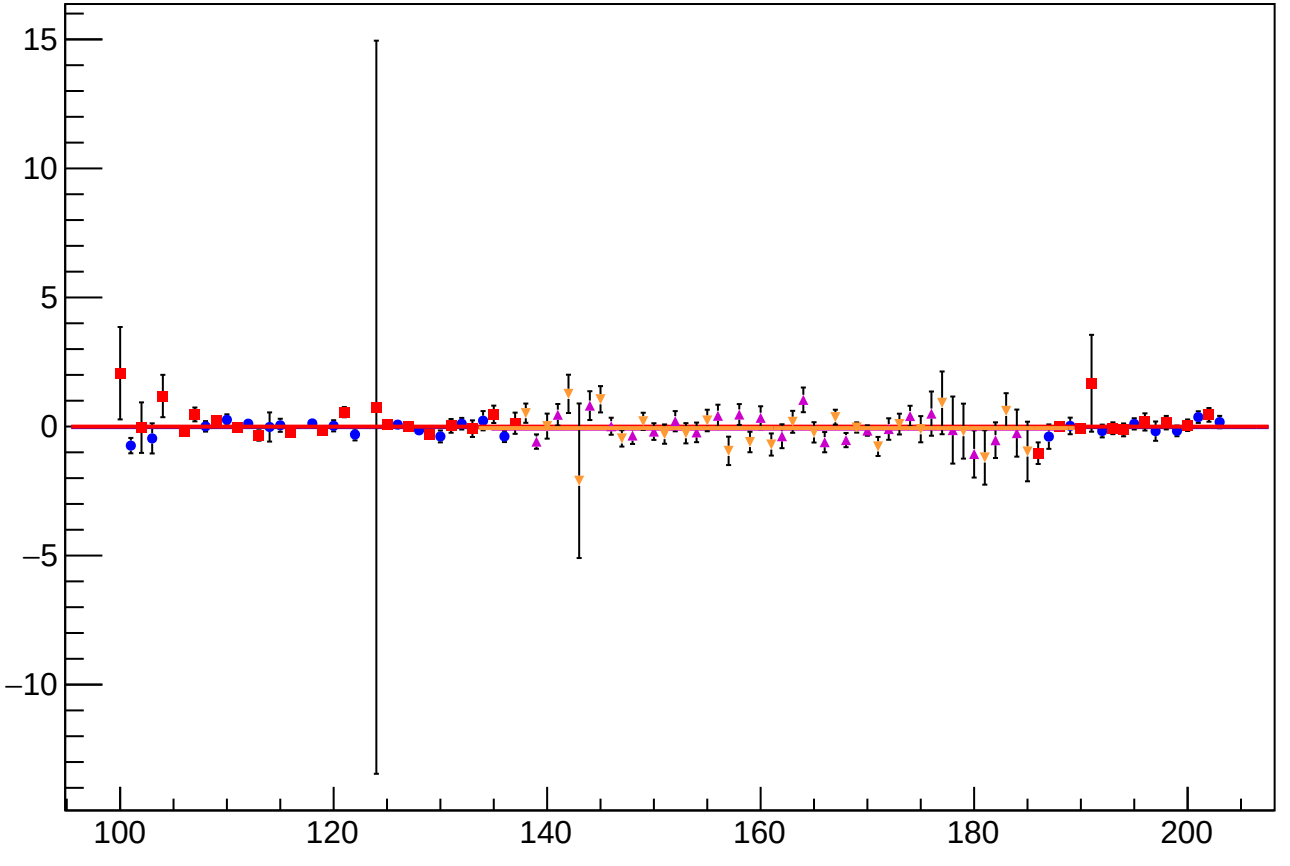
Right: 145.366+/-0.022 χ^2/NDF: 7316504.9/52

In: 199.609+/-0.029 χ^2/NDF:12719847.2/46

Out: 174.562+/-0.026 χ^2/NDF:19217612.5/53

All: 185.833+/-0.019 χ^2/NDF: 32345927.9/10

asym_atr1l2_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.023+/-0.048 χ^2/NDF: 23.7/23

Left Out: -0.061+/-0.084 χ^2/NDF:30.8/24

Right Out: -0.004+/-0.041 χ^2/NDF: 39.8/28

Left In: -0.084+/-0.081 χ^2/NDF:27.0/22

Left: -0.073+/-0.058 χ^2/NDF: 57.8/47

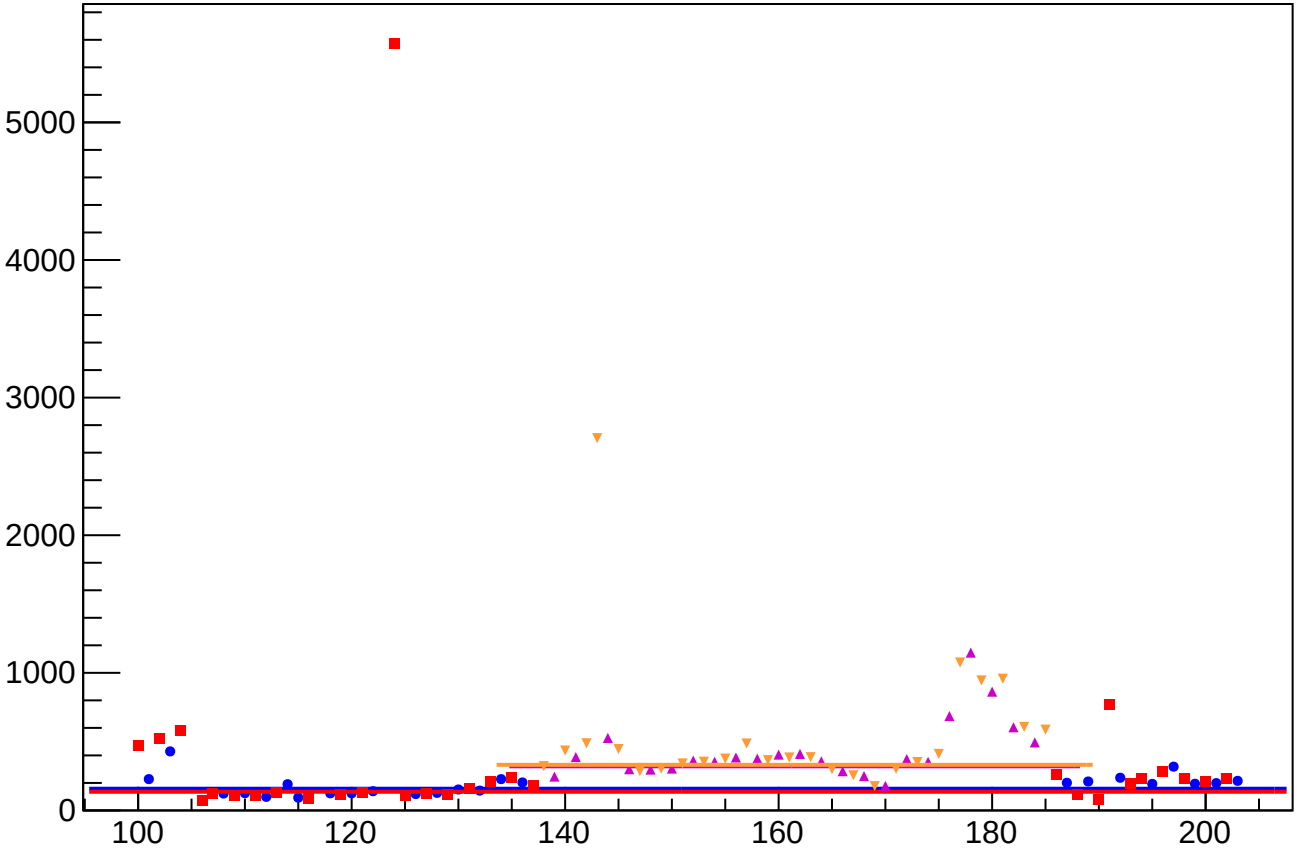
Right: -0.012+/-0.031 χ^2/NDF: 63.6/52

In: -0.038+/-0.041 χ^2/NDF:51.1/46

Out: -0.015+/-0.037 χ^2/NDF:71.0/53

All: -0.026+/-0.028 χ^2/NDF: 122.2/100

asym_atr1l2_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 157.801+/-0.034 χ^2/NDF: 2476268.8/23

Left Out: 331.653+/-0.059 χ^2/NDF:5838264.0/24

Right Out: 135.943+/-0.029 χ^2/NDF: 4601011.2/28

Left In: 320.749+/-0.057 χ^2/NDF:4248171.3/22

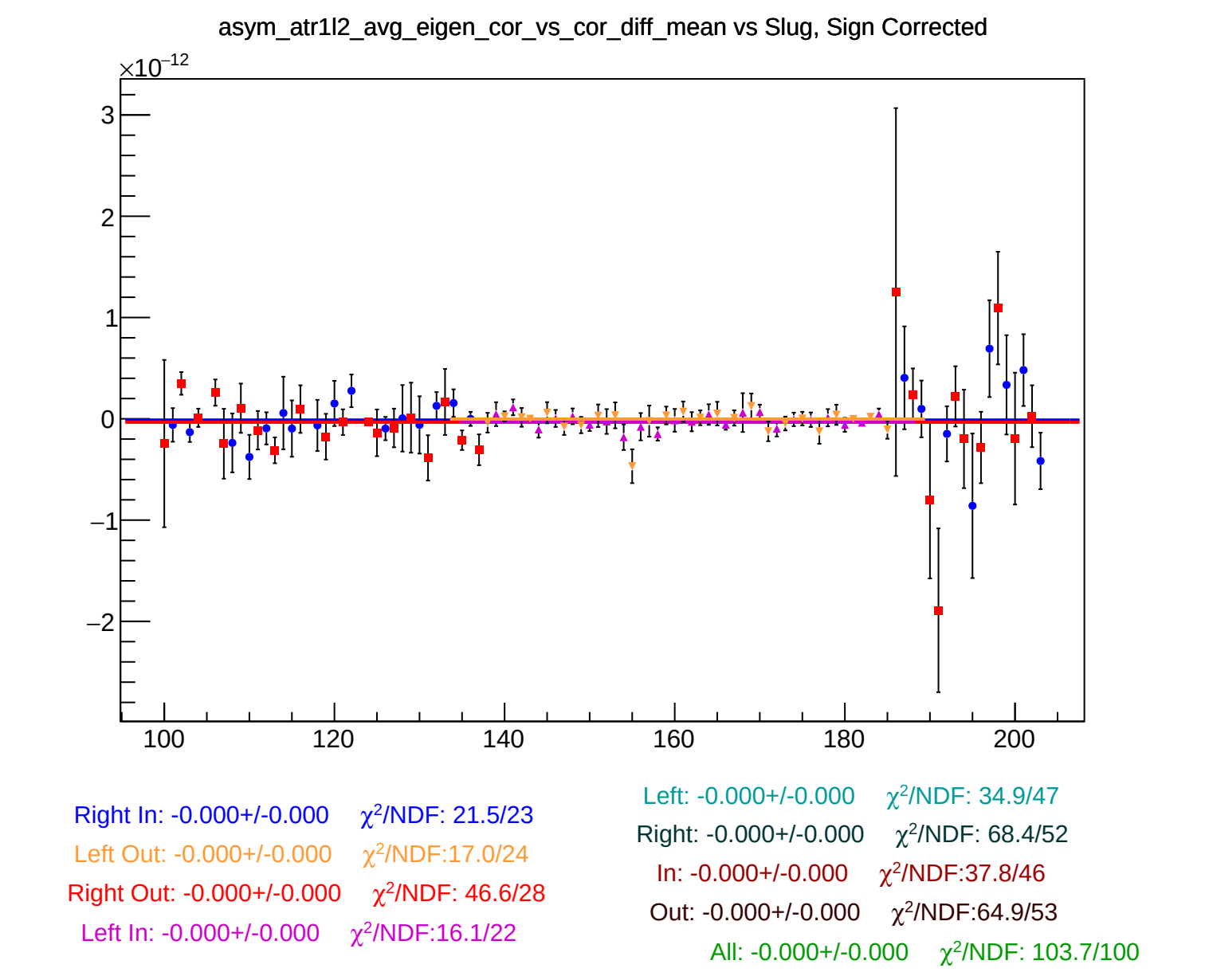
Left: 326.033+/-0.041 χ^2/NDF: 10103935.7/47

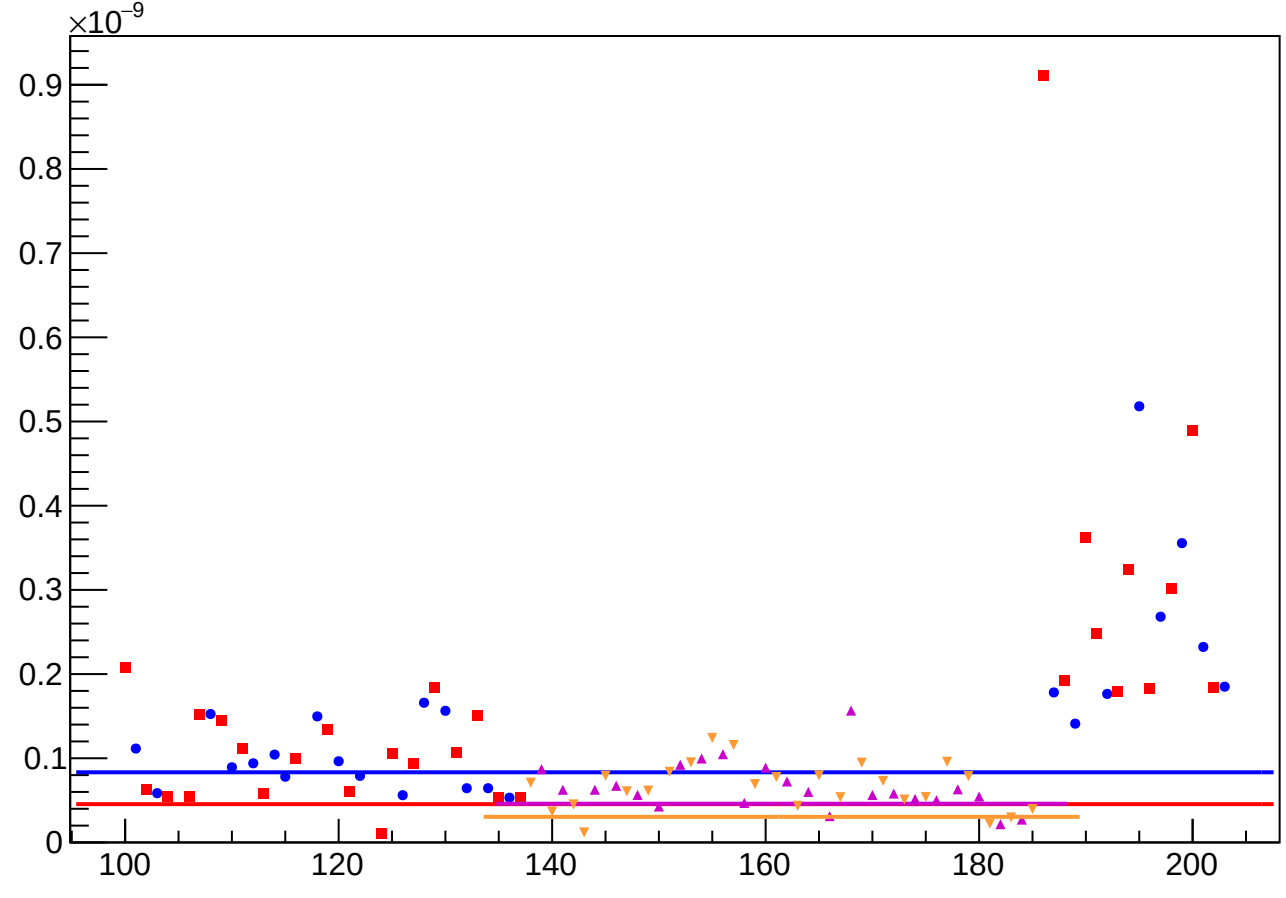
Right: 145.366+/-0.022 χ^2/NDF: 7316504.9/52

In: 199.609+/-0.029 χ^2/NDF:12719847.2/46

Out: 174.562+/-0.026 χ^2/NDF:19217612.5/53

All: 185.833+/-0.019 χ^2/NDF: 32345927.9/10


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: 21.5/23
Left Out: -0.000+/-0.000 χ²/NDF:17.0/24
Right Out: -0.000+/-0.000 χ²/NDF: 46.6/28
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: 68.4/52
In: -0.000+/-0.000 χ²/NDF:37.8/46
Out: -0.000+/-0.000 χ²/NDF:64.9/53
All: -0.000+/-0.000 χ²/NDF: 103.7/100



Right In: 0.000+/-0.000 χ^2/NDF: 3954957.0/23

Left Out: 0.000+/-0.000 χ^2/NDF:10517831.9/24

Right Out: 0.000+/-0.000 χ^2/NDF: 9108688.9/28

Left In: 0.000+/-0.000 χ^2/NDF:4899715.4/22

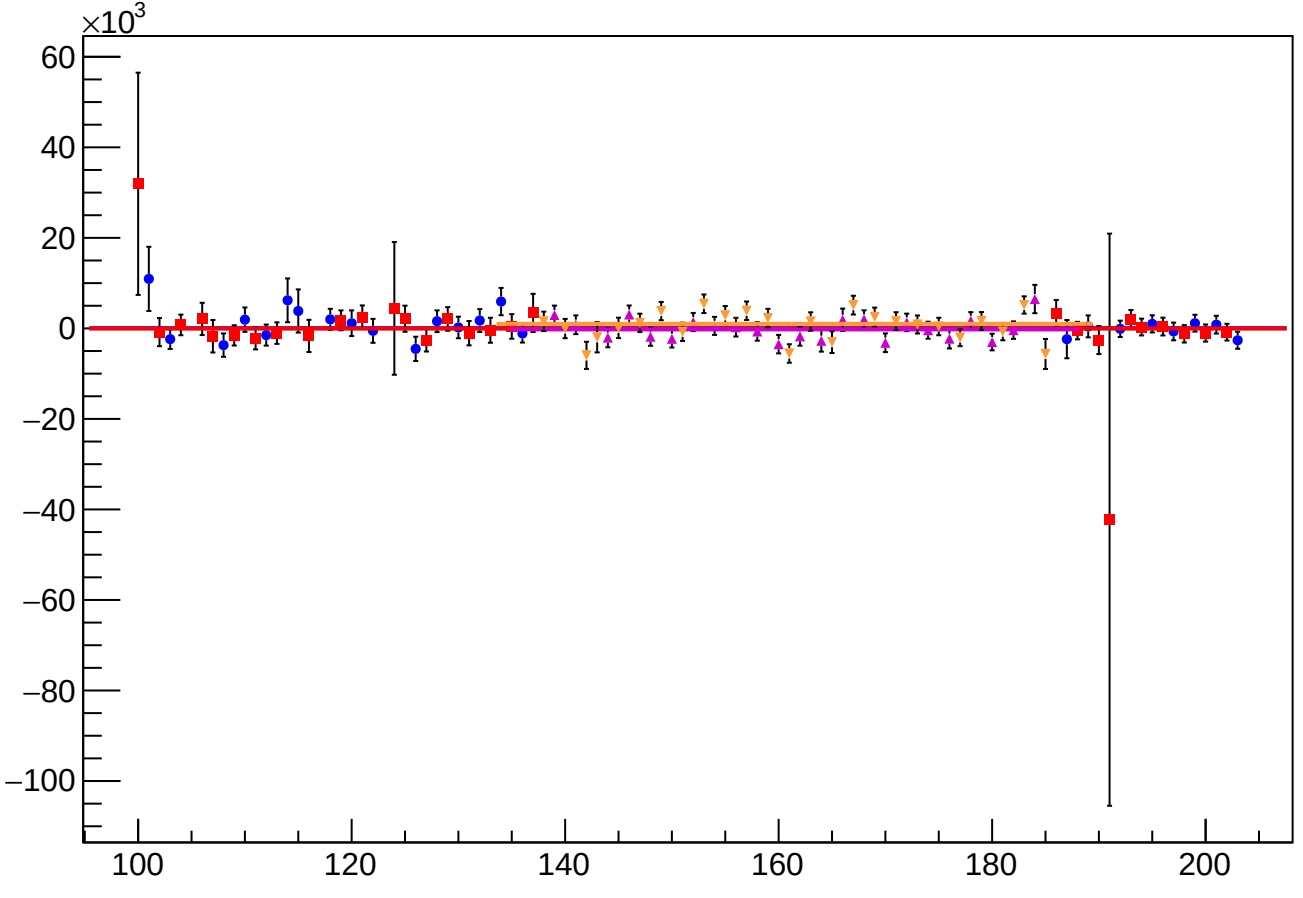
Left: 0.000+/-0.000 χ^2/NDF: 16912386.2/47

Right: 0.000+/-0.000 χ^2/NDF: 14570925.8/52

In: 0.000+/-0.000 χ^2/NDF:10728357.8/46

Out: 0.000+/-0.000 χ^2/NDF:20241943.9/53

All: 0.000+/-0.000 χ^2/NDF: 33429646.5/100



Right In: 36.674+/-491.202 χ^2/NDF: 20.9/23

Left Out: 1004.165+/-422.582 χ^2/NDF:47.4/24

Right Out: -21.523+/-474.426 χ^2/NDF: 13.3/28

Left In: -229.321+/-429.699 χ^2/NDF:26.4/22

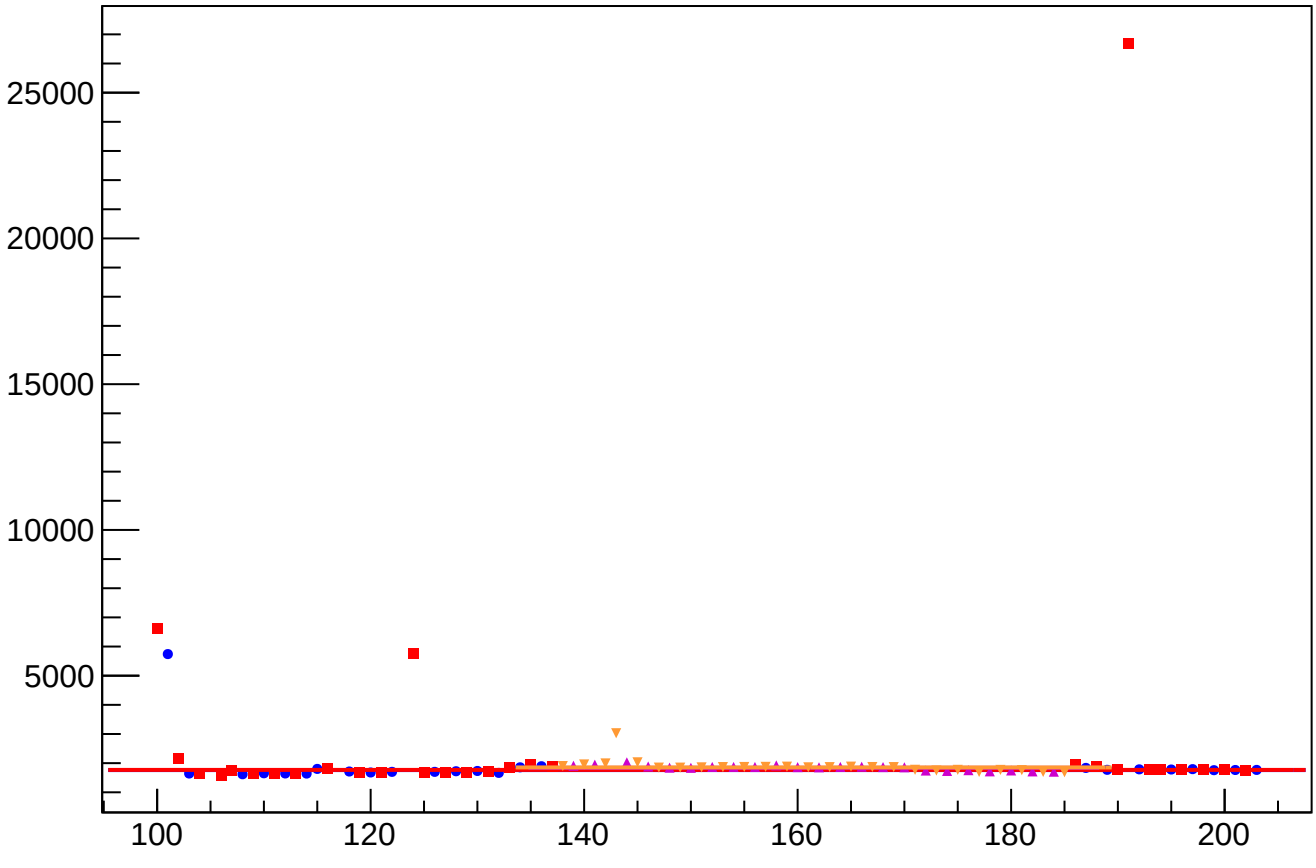
Left: 397.721+/-301.295 χ^2/NDF: 77.9/47

Right: 6.565+/-341.246 χ^2/NDF: 34.2/52

In: -114.010+/-323.415 χ^2/NDF:47.5/46

Out: 550.405+/-315.554 χ^2/NDF:63.2/53

All: 226.370+/-225.858 χ^2/NDF: 112.9/100



Right In: 1762.433+/-0.347 χ^2/NDF: 672083.2/23

Left Out: 1852.534+/-0.299 χ^2/NDF:321038.9/24

Right Out: 1767.956+/-0.334 χ^2/NDF: 638143.0/28

Left In: 1838.528+/-0.304 χ^2/NDF:68478.0/22

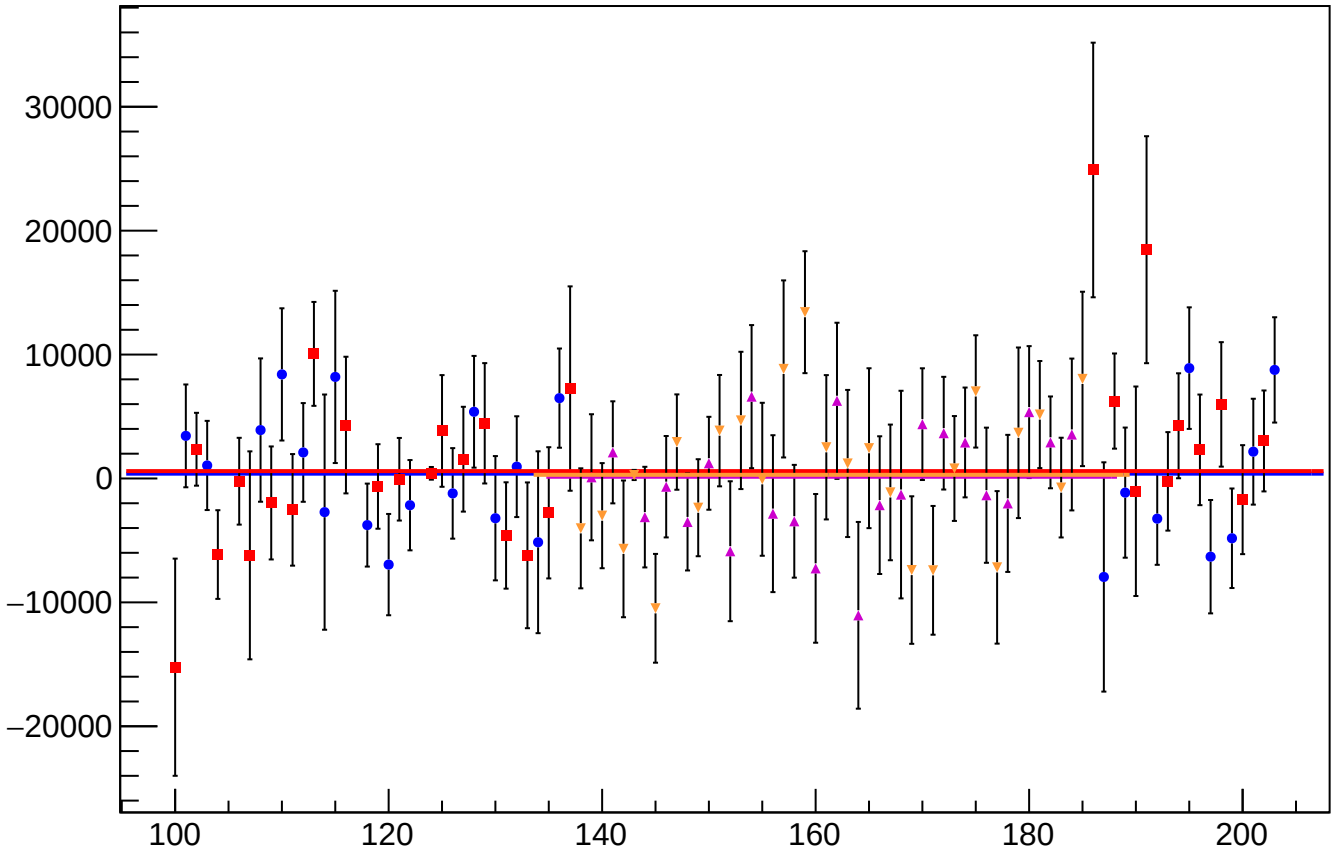
Left: 1845.648+/-0.213 χ^2/NDF: 390597.1/47

Right: 1765.301+/-0.241 χ^2/NDF: 1310357.5/52

In: 1805.540+/-0.229 χ^2/NDF:767751.6/46

Out: 1814.955+/-0.223 χ^2/NDF:994778.1/53

All: 1810.372+/-0.160 χ^2/NDF: 1763399.5/10



Right In: 388.456+/-910.550 χ^2/NDF: 27.6/23

Left Out: 294.407+/-379.922 χ^2/NDF:30.0/24

Right Out: 594.435+/-438.853 χ^2/NDF: 33.9/28

Left In: 138.350+/-1022.943 χ^2/NDF:13.9/22

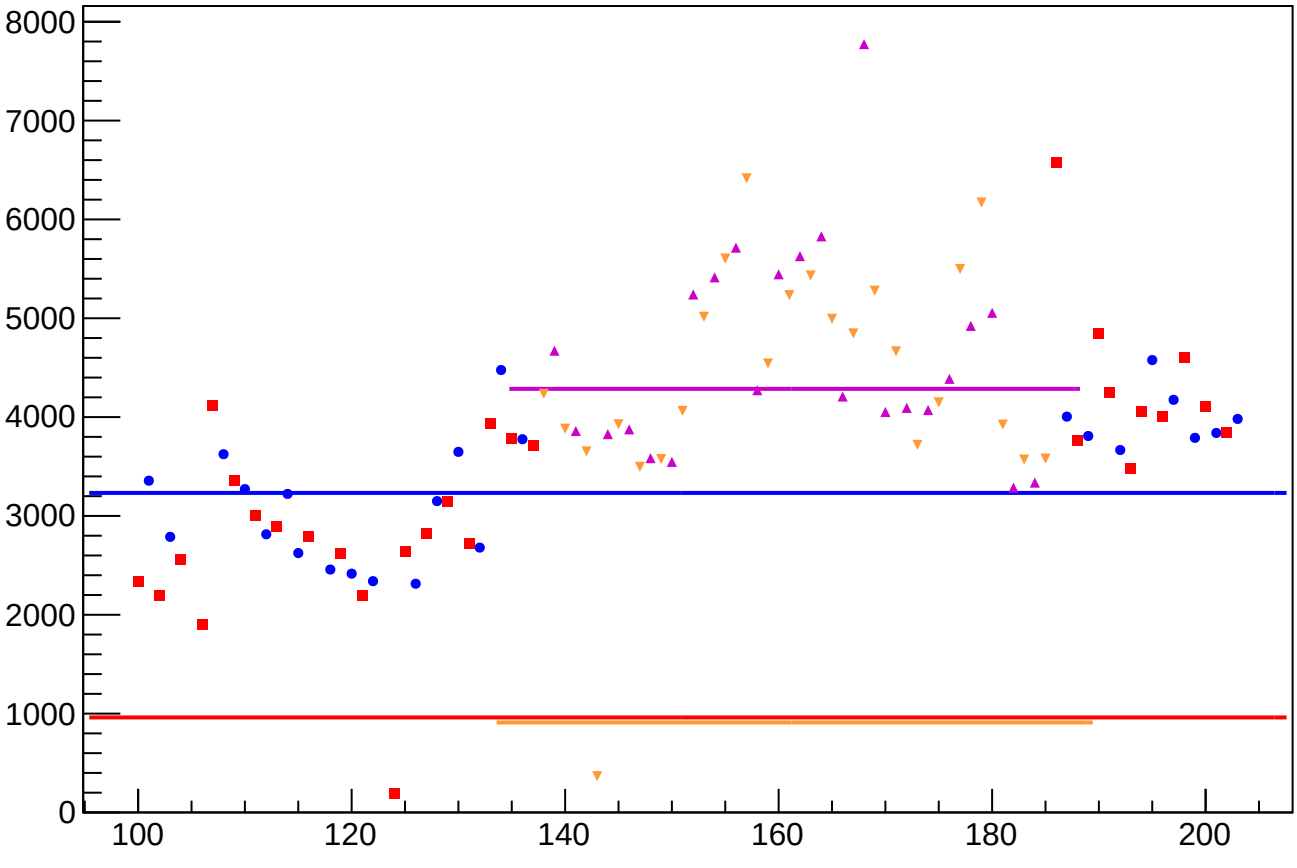
Left: 275.490+/-356.152 χ^2/NDF: 43.9/47

Right: 555.607+/-395.333 χ^2/NDF: 61.5/52

In: 277.892+/-680.135 χ^2/NDF:41.5/46

Out: 422.938+/-287.238 χ^2/NDF:64.2/53

All: 400.983+/-264.608 χ^2/NDF: 105.7/100



Right In: 3232.924+/-0.644 χ^2/NDF: 1099023.1/23

Left Out: 910.135+/-0.269 χ^2/NDF:26774123.9/24

Right Out: 961.332+/-0.310 χ^2/NDF: 19075784.0/28

Left In: 4285.839+/-0.723 χ^2/NDF:1327947.9/22

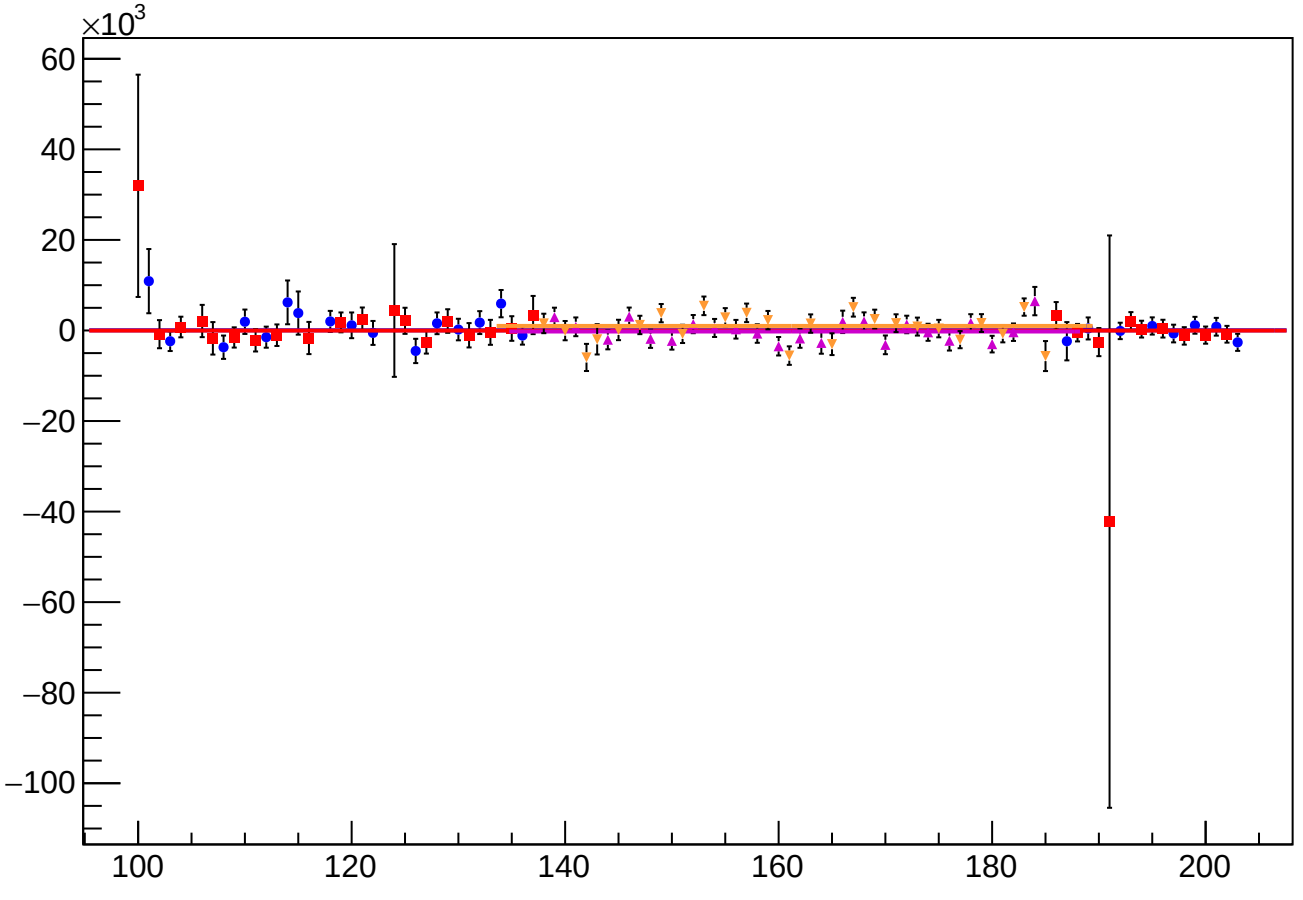
Left: 1319.331+/-0.252 χ^2/NDF: 47241855.7/47

Right: 1389.533+/-0.280 χ^2/NDF: 30275931.5/52

In: 3698.382+/-0.481 χ^2/NDF:3609184.3/46

Out: 932.068+/-0.203 χ^2/NDF:45865466.7/53

All: 1350.782+/-0.187 χ^2/NDF: 77552600.6/1



Right In: 36.496+/-491.202 χ^2/NDF: 20.9/23

Left Out: 1004.123+/-422.582 χ^2/NDF:47.4/24

Right Out: -21.541+/-474.426 χ^2/NDF: 13.3/28

Left In: -229.236+/-429.699 χ^2/NDF:26.4/22

Left: 397.741+/-301.295 χ^2/NDF: 77.9/47

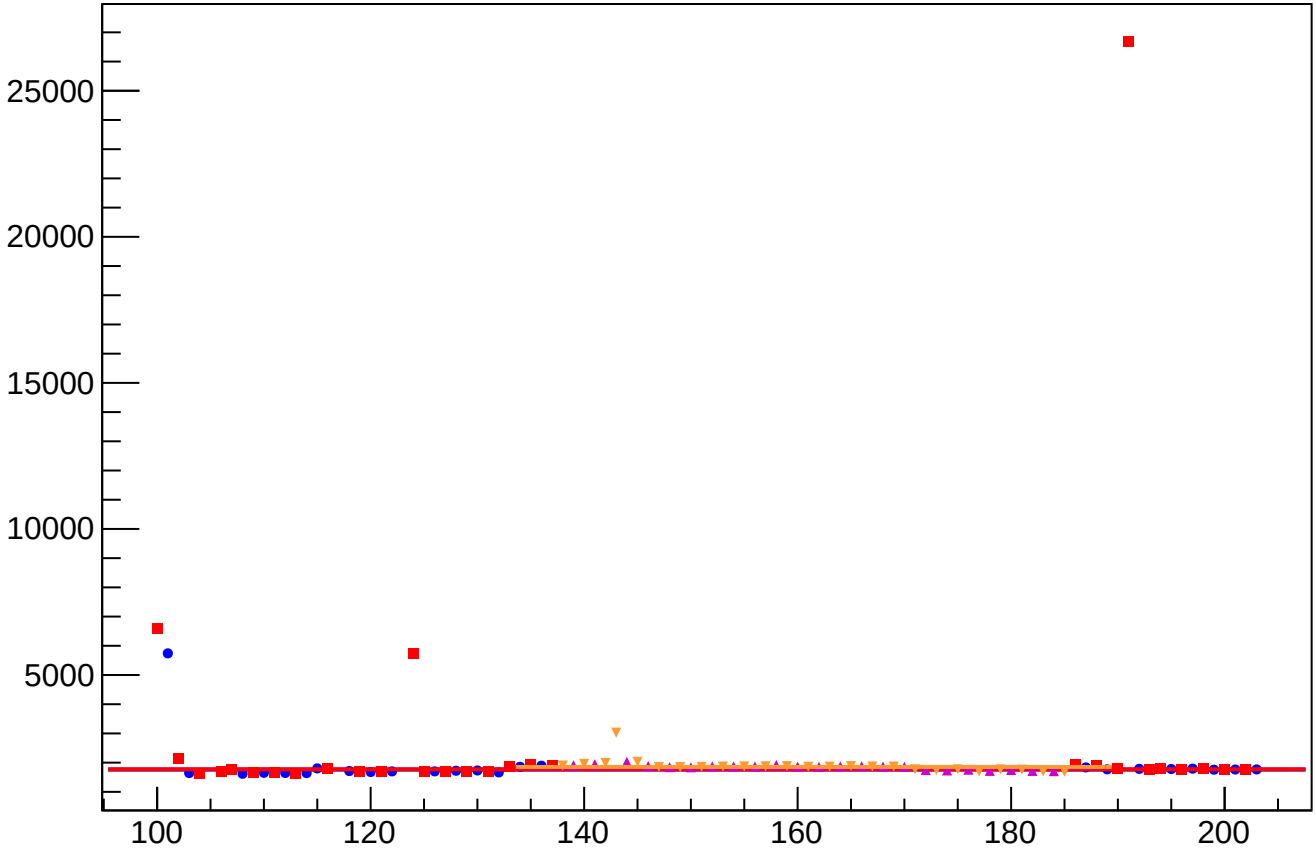
Right: 6.470+/-341.246 χ^2/NDF: 34.2/52

In: -114.039+/-323.415 χ^2/NDF:47.5/46

Out: 550.374+/-315.554 χ^2/NDF:63.2/53

All: 226.340+/-225.858 χ^2/NDF: 112.9/100

cor_asym_atr1l2_dd_rms vs Slug, Sign Corrected



Right In: 1762.433+/-0.347 χ^2/NDF: 672083.4/23

Left Out: 1852.534+/-0.299 χ^2/NDF:321038.9/24

Right Out: 1771.591+/-0.335 χ^2/NDF: 629840.2/28

Left In: 1838.528+/-0.304 χ^2/NDF:68478.0/22

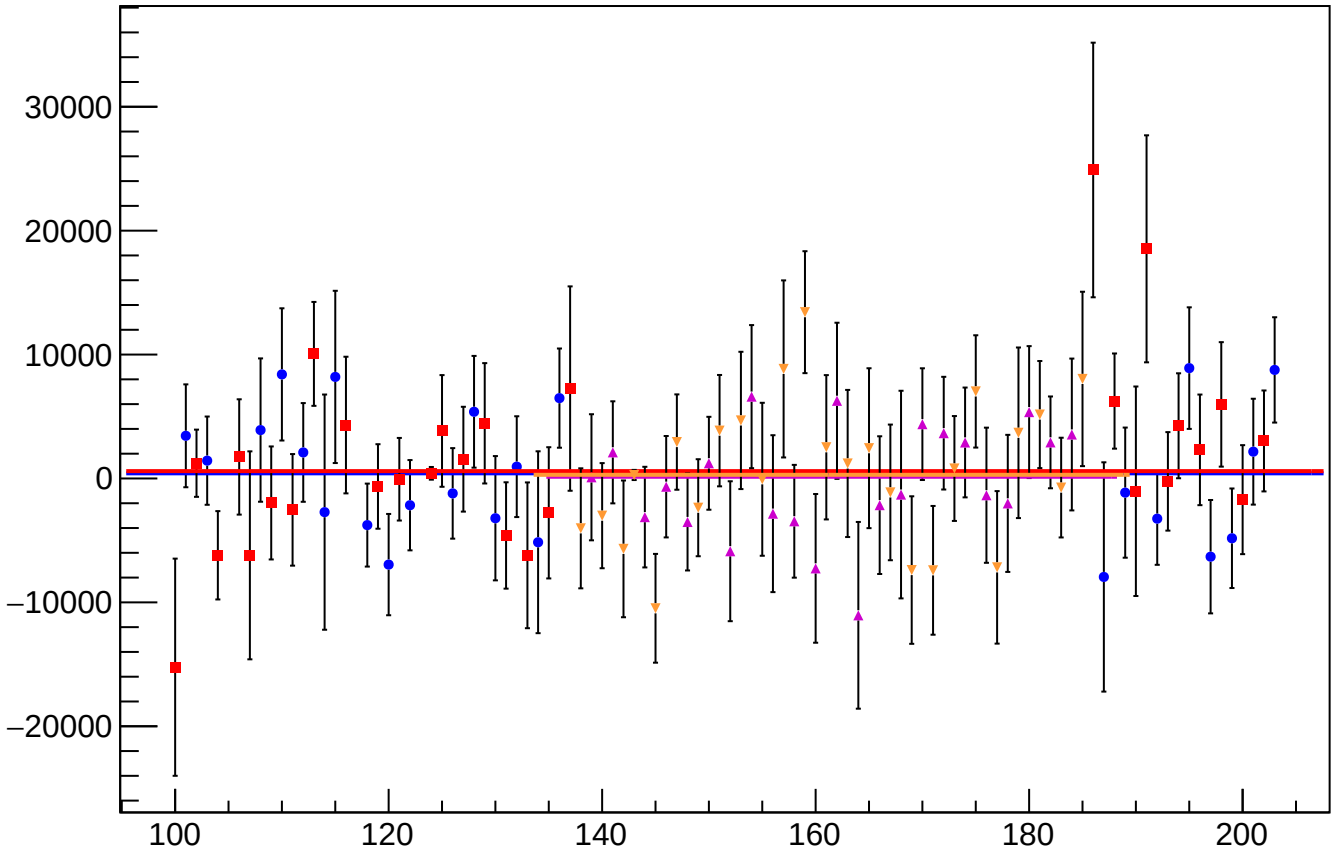
Left: 1845.648+/-0.213 χ^2/NDF: 390597.1/47

Right: 1767.180+/-0.241 χ^2/NDF: 1302283.9/52

In: 1805.540+/-0.229 χ^2/NDF:767751.9/46

Out: 1816.646+/-0.223 χ^2/NDF:983412.7/53

All: 1811.235+/-0.160 χ^2/NDF: 1752374.0/10



Right In: 414.616+/-909.963 χ^2/NDF: 27.6/23

Left Out: 295.308+/-379.951 χ^2/NDF:30.0/24

Right Out: 593.358+/-439.658 χ^2/NDF: 33.7/28

Left In: 138.272+/-1022.940 χ^2/NDF:13.9/22

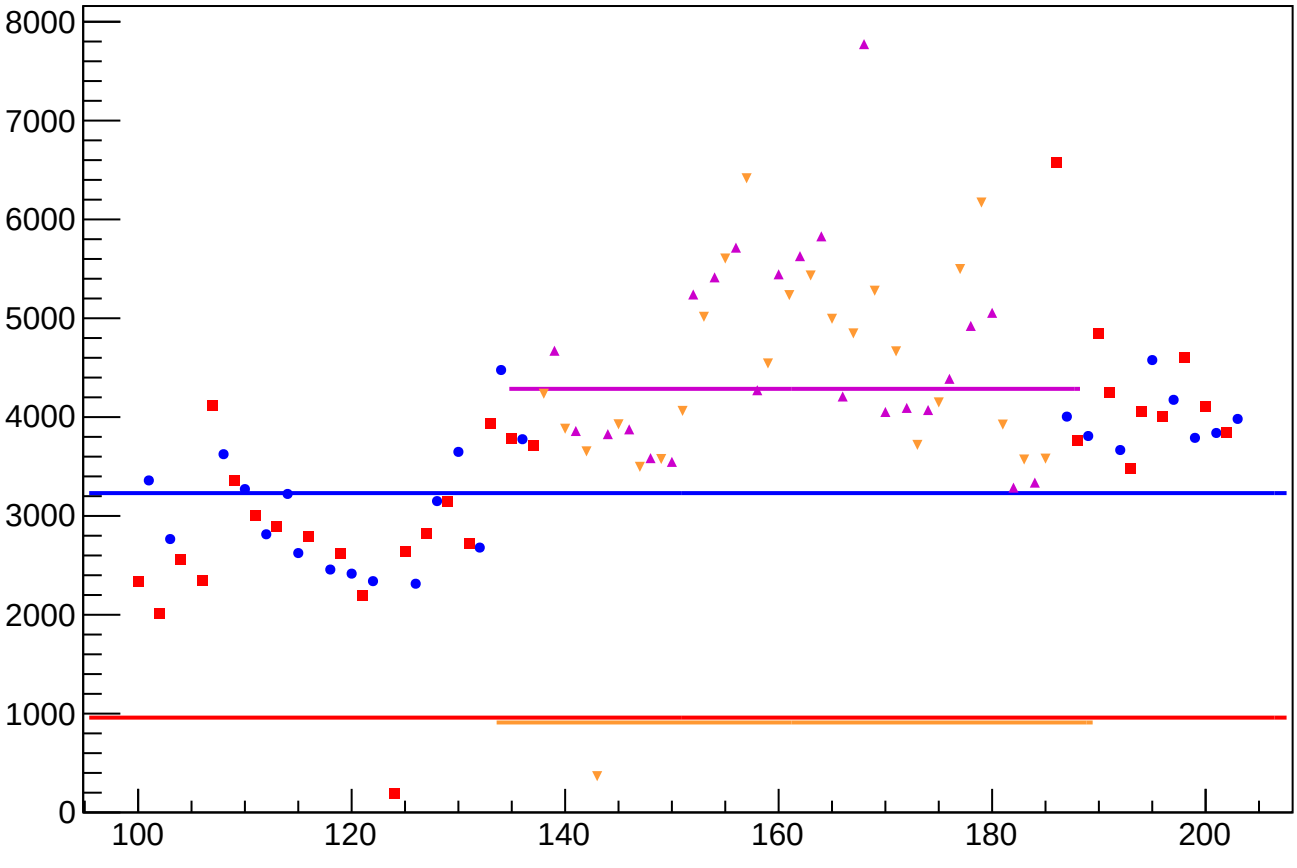
Left: 276.270+/-356.175 χ^2/NDF: 43.9/47

Right: 559.529+/-395.872 χ^2/NDF: 61.4/52

In: 292.541+/-679.890 χ^2/NDF:41.6/46

Out: 422.735+/-287.476 χ^2/NDF:64.0/53

All: 402.989+/-264.780 χ^2/NDF: 105.6/100



Right In: 3230.995+/-0.643 χ^2/NDF: 1102903.8/23

Left Out: 910.253+/-0.269 χ^2/NDF:26772969.1/24

Right Out: 959.521+/-0.311 χ^2/NDF: 19045807.8/28

Left In: 4285.828+/-0.723 χ^2/NDF:1327963.4/22

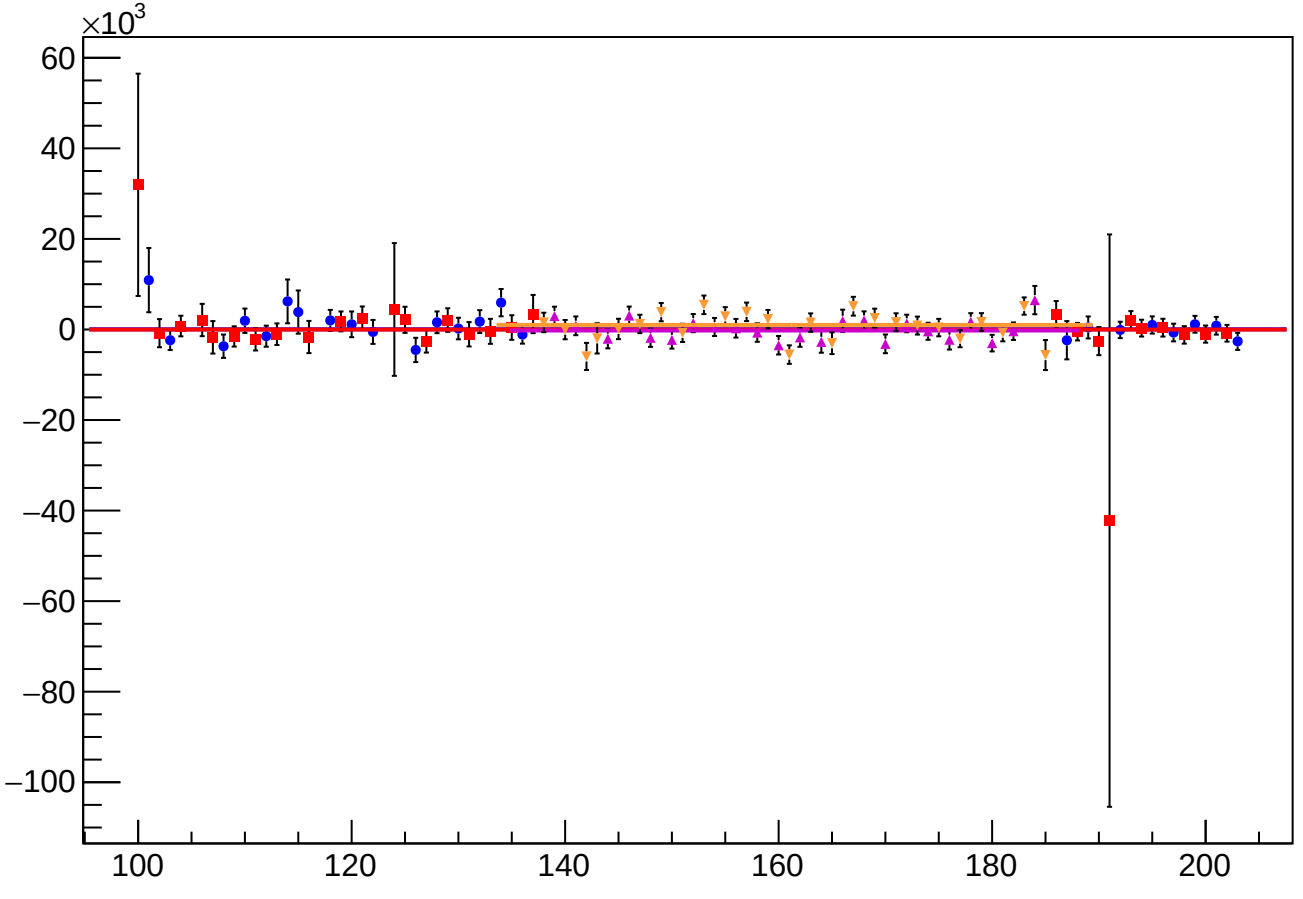
Left: 1319.491+/-0.252 χ^2/NDF: 47238971.3/47

Right: 1389.424+/-0.280 χ^2/NDF: 30252367.5/52

In: 3696.967+/-0.481 χ^2/NDF:3618071.1/46

Out: 931.317+/-0.203 χ^2/NDF:45833154.0/53

All: 1350.776+/-0.187 χ^2/NDF: 77525832.2/1



Right In: 36.496+/-491.202 χ^2/NDF: 20.9/23

Left Out: 1004.123+/-422.582 χ^2/NDF:47.4/24

Right Out: -21.541+/-474.426 χ^2/NDF: 13.3/28

Left In: -229.236+/-429.699 χ^2/NDF:26.4/22

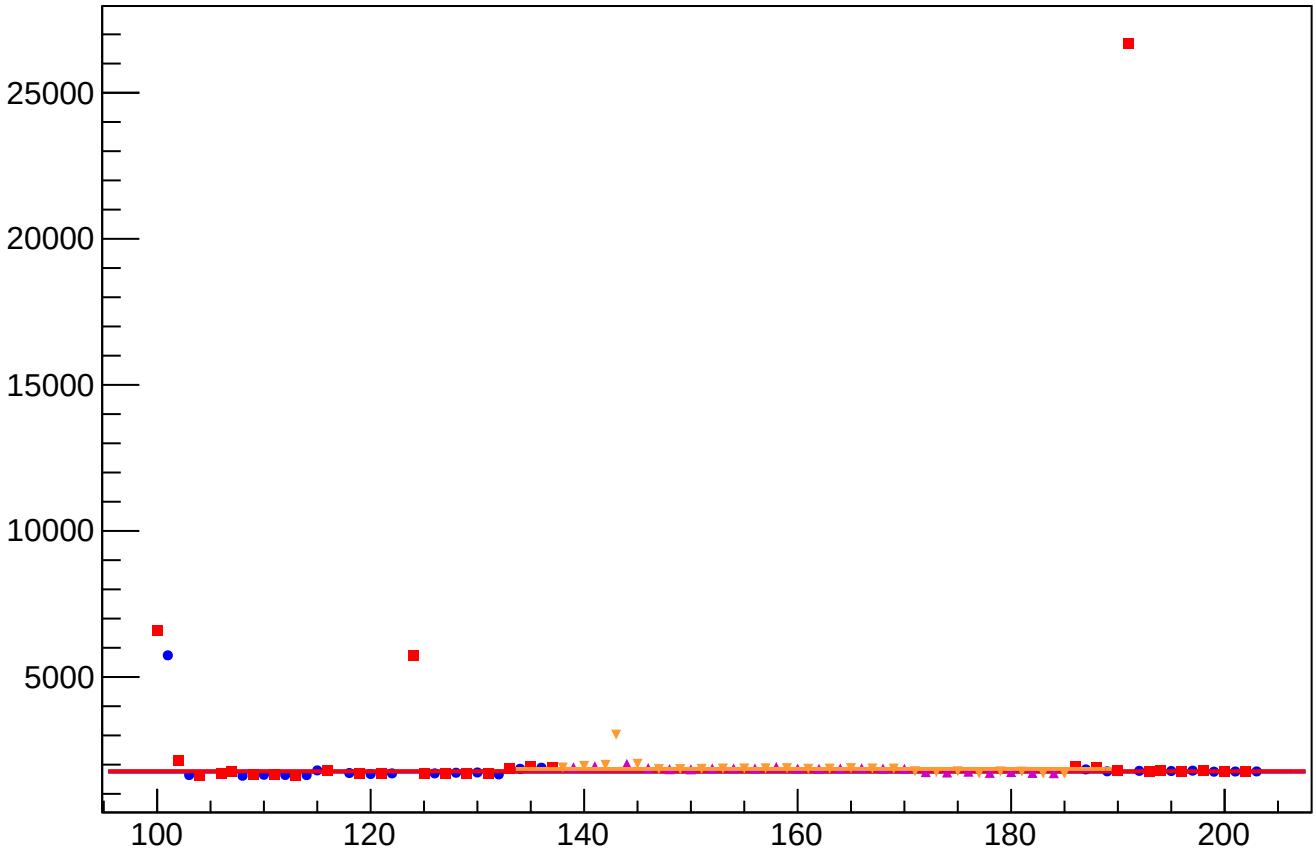
Left: 397.741+/-301.295 χ^2/NDF: 77.9/47

Right: 6.470+/-341.246 χ^2/NDF: 34.2/52

In: -114.039+/-323.415 χ^2/NDF:47.5/46

Out: 550.374+/-315.554 χ^2/NDF:63.2/53

All: 226.340+/-225.858 χ^2/NDF: 112.9/100



Right In: 1762.433+/-0.347 χ^2/NDF: 672083.4/23

Left Out: 1852.534+/-0.299 χ^2/NDF:321038.9/24

Right Out: 1771.591+/-0.335 χ^2/NDF: 629840.2/28

Left In: 1838.528+/-0.304 χ^2/NDF:68478.0/22

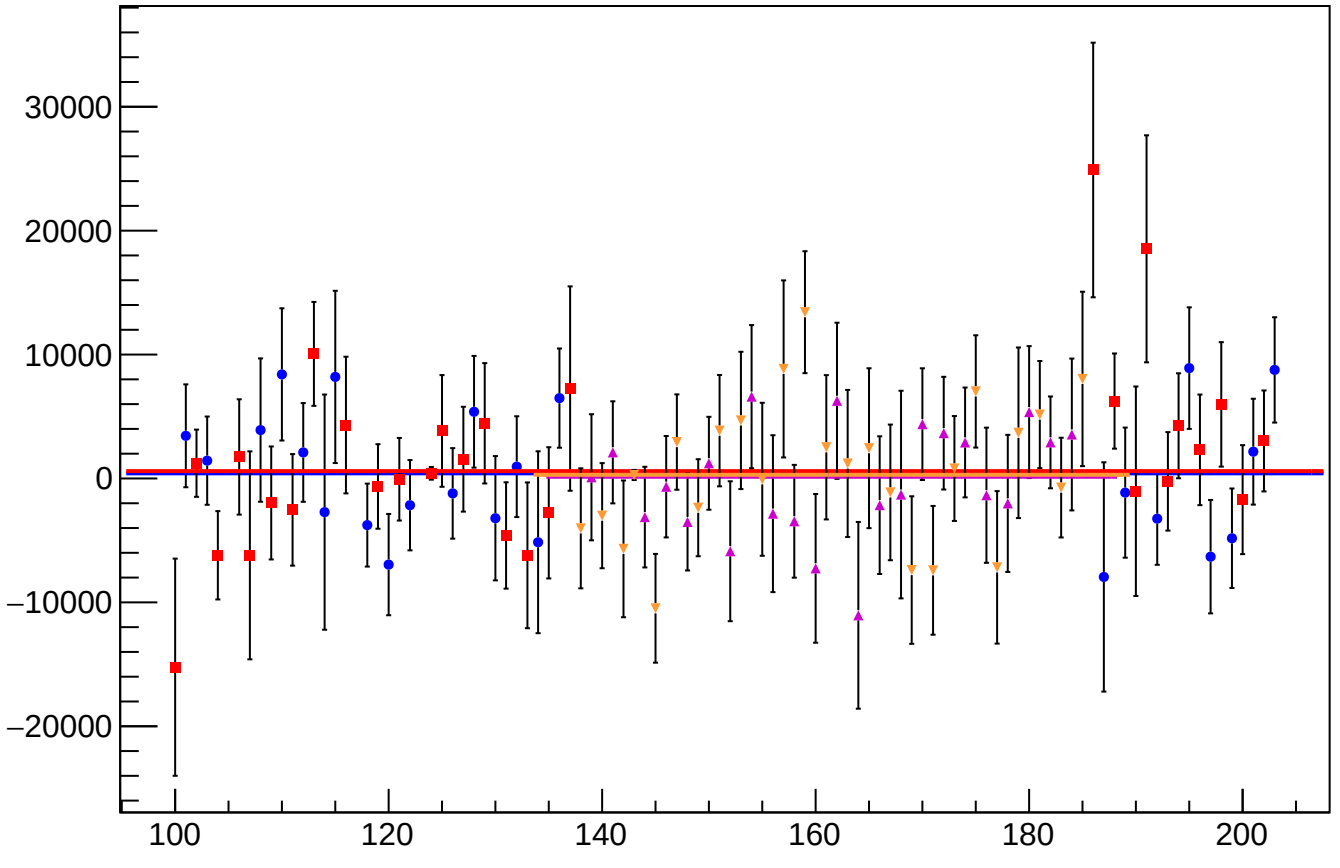
Left: 1845.648+/-0.213 χ^2/NDF: 390597.1/47

Right: 1767.180+/-0.241 χ^2/NDF: 1302283.9/52

In: 1805.540+/-0.229 χ^2/NDF:767751.9/46

Out: 1816.646+/-0.223 χ^2/NDF:983412.7/53

All: 1811.235+/-0.160 χ^2/NDF: 1752374.0/10



Right In: 414.616+/-909.963 χ^2/NDF: 27.6/23

Left Out: 295.308+/-379.951 χ^2/NDF:30.0/24

Right Out: 593.358+/-439.658 χ^2/NDF: 33.7/28

Left In: 138.272+/-1022.940 χ^2/NDF:13.9/22

Left: 276.270+/-356.175 χ^2/NDF: 43.9/47

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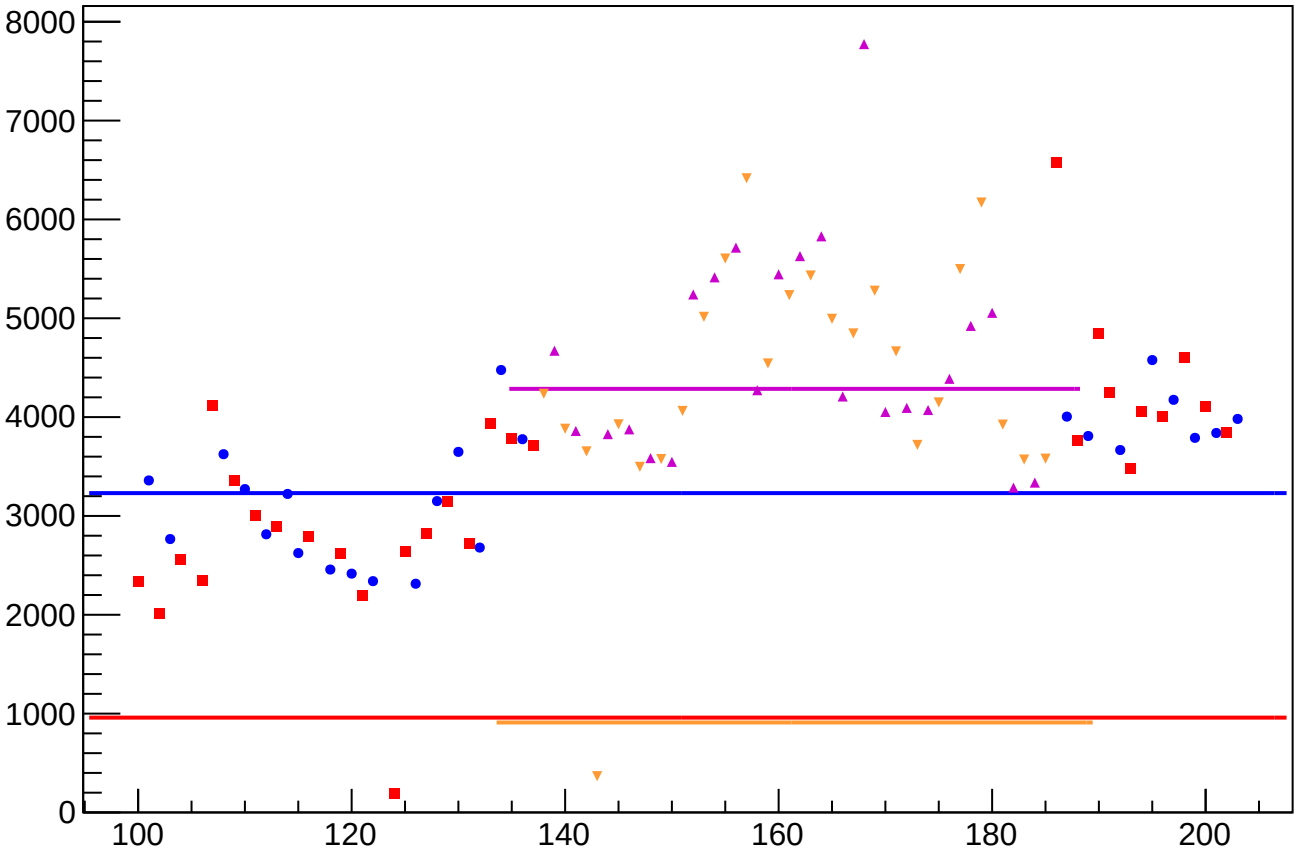
In: 292.541+/-679.890 χ^2/NDF:41.6/46

Out: 422.735+/-287.476 χ^2/NDF:64.0/53

All: 402.989+/-264.780 χ^2/NDF: 105.6/100



Right In: 3230.995+/-0.643 χ^2/NDF: 1102903.8/23

Left Out: 910.253+/-0.269 χ^2/NDF:26772969.1/24

Right Out: 959.521+/-0.311 χ^2/NDF: 19045807.8/28

Left In: 4285.828+/-0.723 χ^2/NDF:1327963.4/22

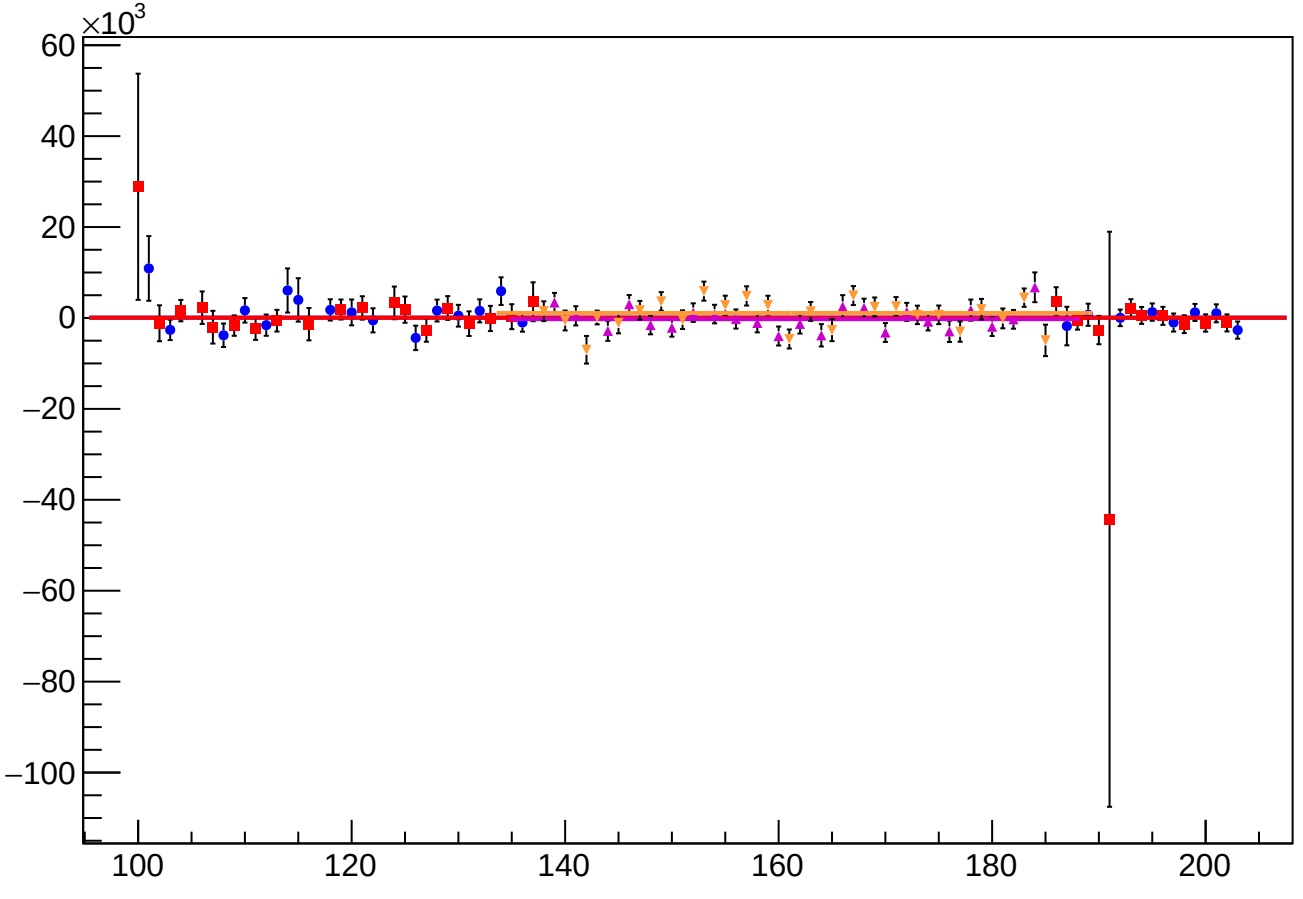
Left: 1319.491+/-0.252 χ^2/NDF: 47238971.3/47

Right: 1389.424+/-0.280 χ^2/NDF: 30252367.5/52

In: 3696.967+/-0.481 χ^2/NDF:3618071.1/46

Out: 931.317+/-0.203 χ^2/NDF:45833154.0/53

All: 1350.776+/-0.187 χ^2/NDF: 77525832.2/1



Right In: 70.269+/-494.485 χ^2/NDF: 20.9/23

Left Out: 1103.308+/-425.320 χ^2/NDF:44.8/24

Right Out: 55.979+/-475.685 χ^2/NDF: 15.0/28

Left In: -264.609+/-445.353 χ^2/NDF:27.7/22

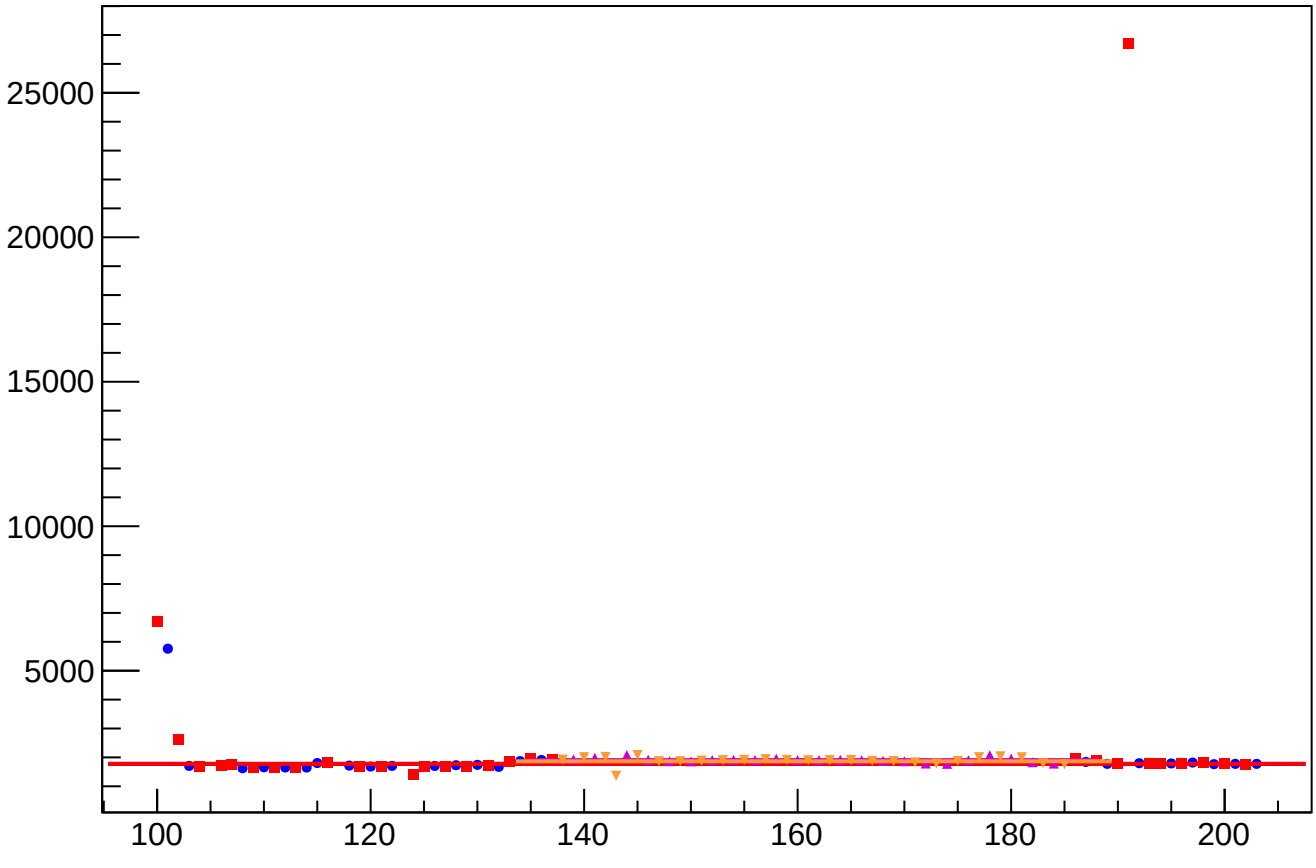
Left: 450.807+/-307.585 χ^2/NDF: 77.4/47

Right: 62.847+/-342.814 χ^2/NDF: 36.0/52

In: -114.629+/-330.923 χ^2/NDF:48.9/46

Out: 638.005+/-317.063 χ^2/NDF:62.5/53

All: 277.779+/-228.941 χ^2/NDF: 114.1/100



Right In: 1774.232+/-0.350 χ^2/NDF: 670590.8/23

Left Out: 1864.841+/-0.301 χ^2/NDF:294712.1/24

Right Out: 1776.576+/-0.336 χ^2/NDF: 561642.7/28

Left In: 1905.628+/-0.315 χ^2/NDF:52781.7/22

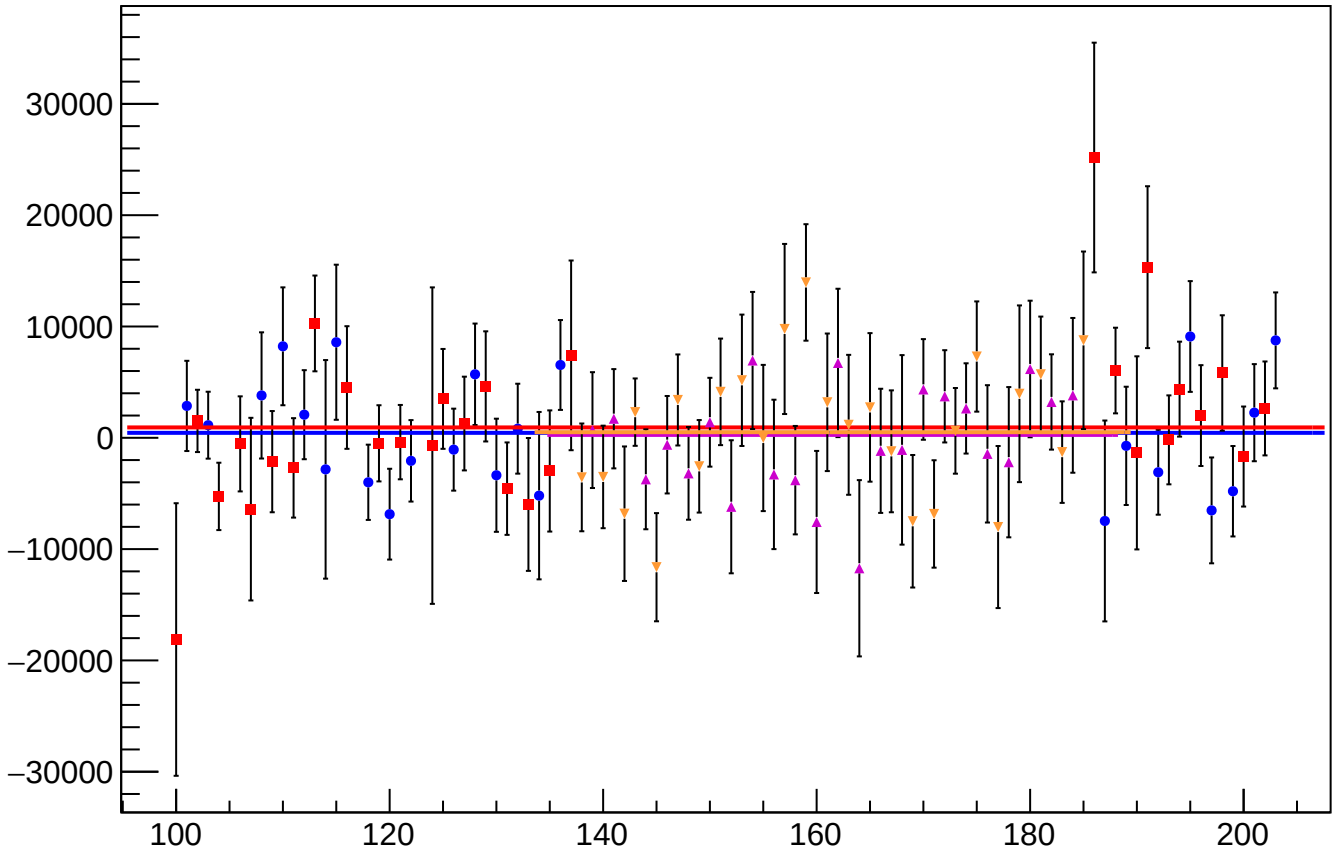
Left: 1884.296+/-0.217 χ^2/NDF: 356267.0/47

Right: 1775.451+/-0.242 χ^2/NDF: 1232256.9/52

In: 1846.780+/-0.234 χ^2/NDF:801342.5/46

Out: 1825.560+/-0.224 χ^2/NDF:894686.8/53

All: 1835.709+/-0.162 χ^2/NDF: 1700319.6/10



Right In: 446.277+/-904.219 χ^2/NDF: 27.3/23

Left Out: 504.261+/-1021.684 χ^2/NDF:30.1/24

Right Out: 932.240+/-851.981 χ^2/NDF: 32.7/28

Left In: 261.050+/-1081.402 χ^2/NDF:13.6/22

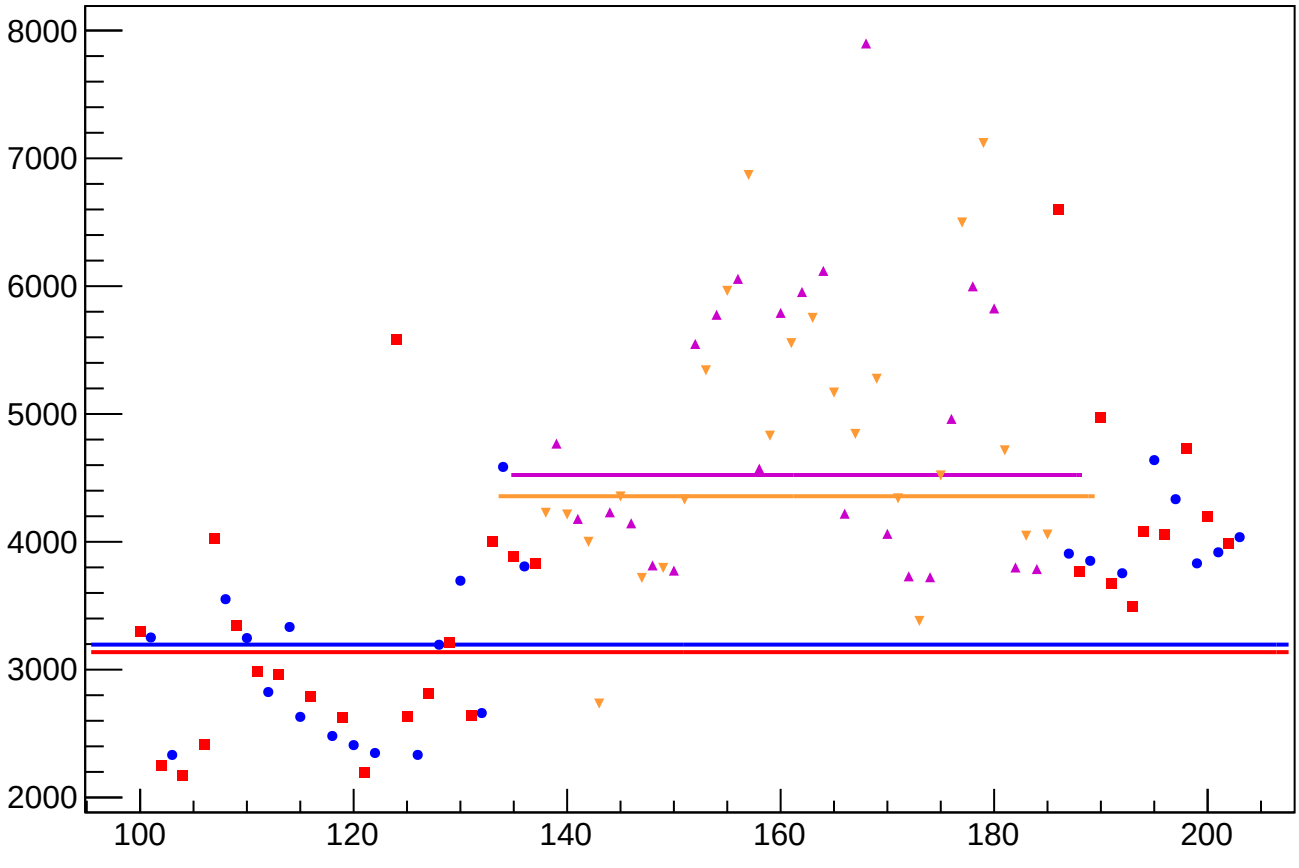
Left: 389.556+/-742.654 χ^2/NDF: 43.7/47

Right: 703.701+/-620.087 χ^2/NDF: 60.2/52

In: 370.062+/-693.677 χ^2/NDF:40.9/46

Out: 756.698+/-654.328 χ^2/NDF:62.9/53

All: 574.657+/-475.983 χ^2/NDF: 104.0/100



Right In: 3195.860+/-0.639 χ^2/NDF: 1301989.7/23

Left Out: 4356.643+/-0.722 χ^2/NDF:1912322.9/24

Right Out: 3136.957+/-0.602 χ^2/NDF: 1883486.8/28

Left In: 4522.787+/-0.765 χ^2/NDF:1434008.9/22

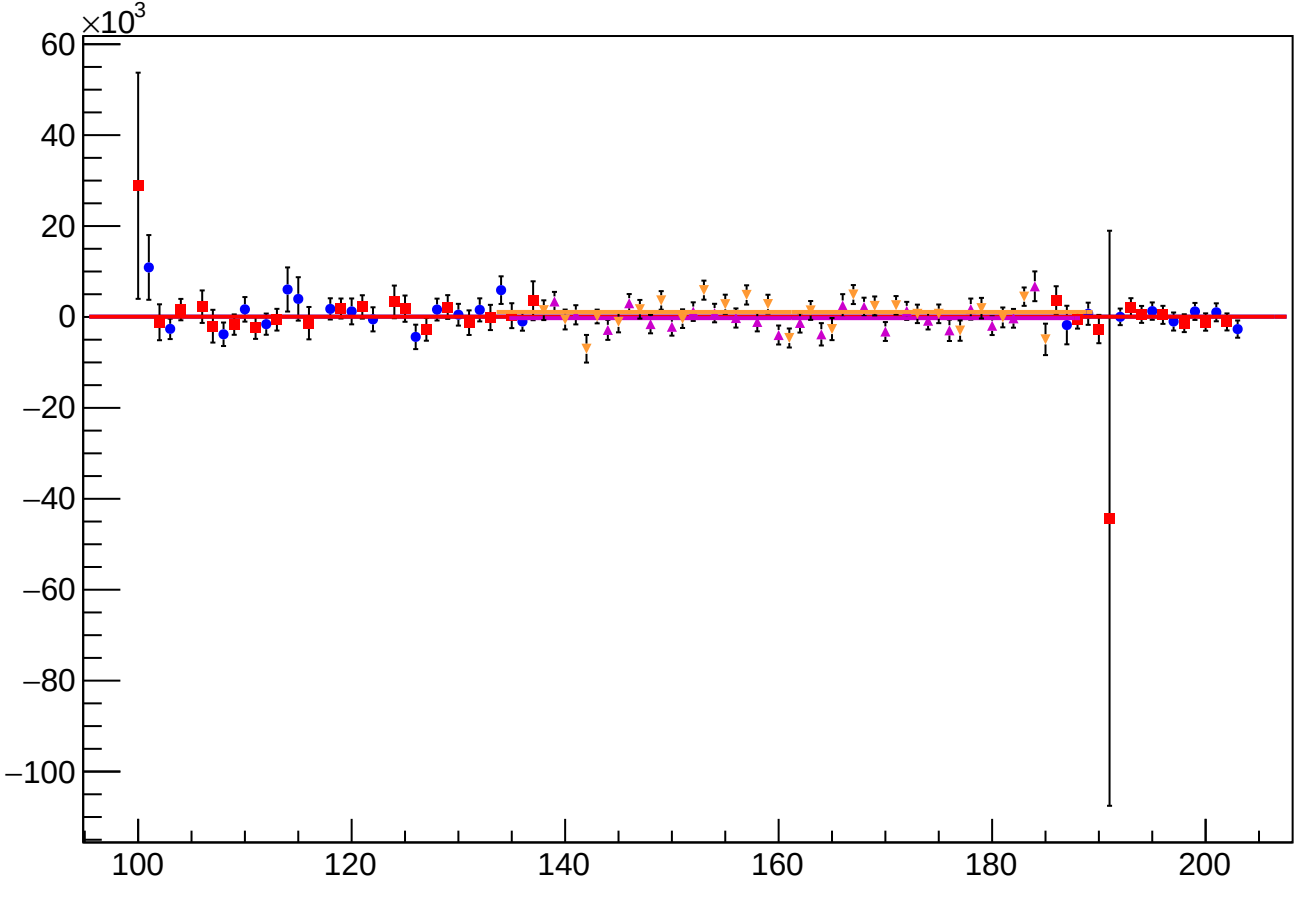
Left: 4435.001+/-0.525 χ^2/NDF: 3371275.6/47

Right: 3164.658+/-0.438 χ^2/NDF: 3189972.3/52

In: 3741.853+/-0.491 χ^2/NDF:4508215.7/46

Out: 3637.229+/-0.463 χ^2/NDF:5477028.1/53

All: 3686.490+/-0.337 χ^2/NDF: 10009319.3/1



Right In: 70.272+/-494.485 χ^2/NDF: 20.9/23

Left Out: 1103.310+/-425.321 χ^2/NDF:44.8/24

Right Out: 55.976+/-475.685 χ^2/NDF: 15.0/28

Left In: -264.609+/-445.354 χ^2/NDF:27.7/22

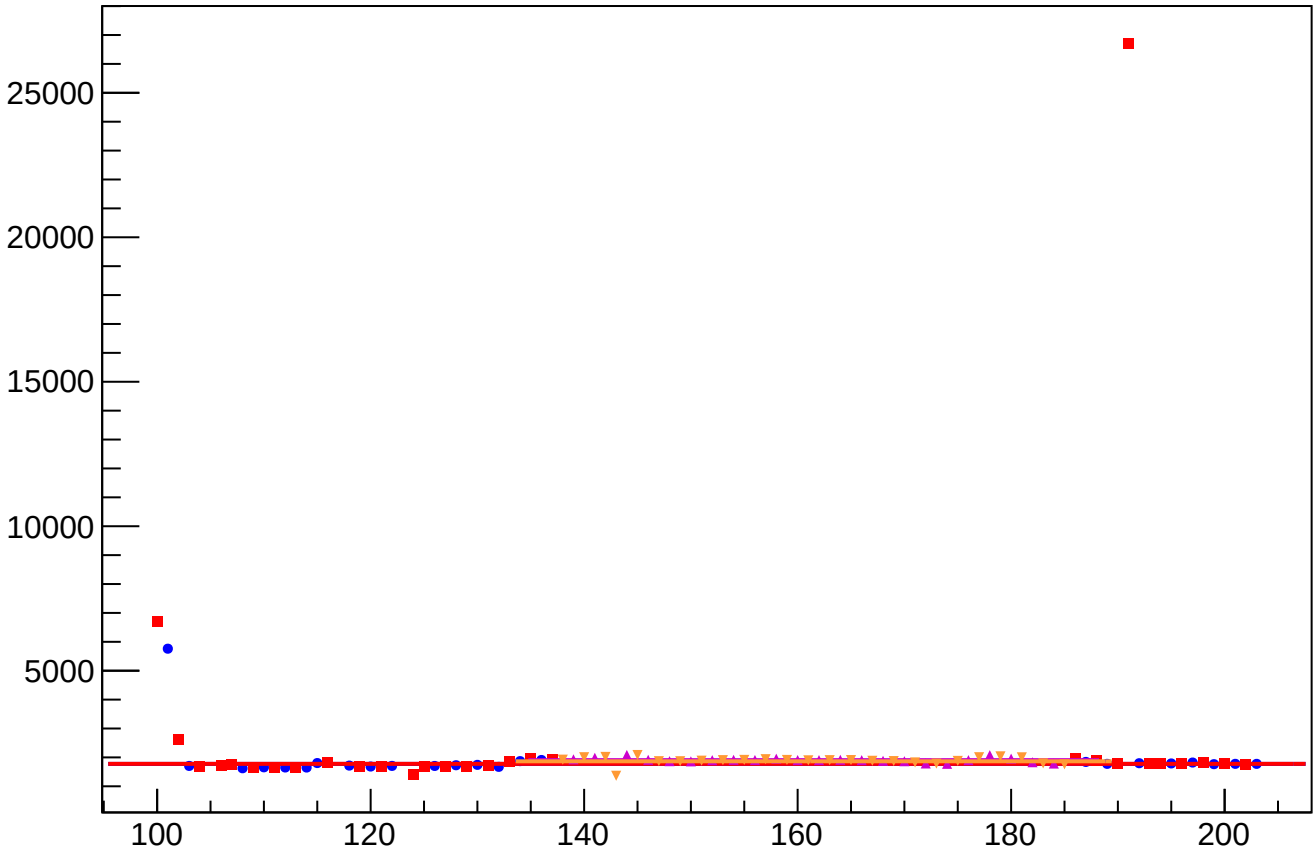
Left: 450.808+/-307.585 χ^2/NDF: 77.4/47

Right: 62.847+/-342.814 χ^2/NDF: 36.0/52

In: -114.627+/-330.923 χ^2/NDF:48.9/46

Out: 638.004+/-317.063 χ^2/NDF:62.5/53

All: 277.779+/-228.941 χ^2/NDF: 114.1/100



Right In: 1774.233+/-0.350 χ^2/NDF: 670590.9/23

Left Out: 1864.842+/-0.301 χ^2/NDF:294715.4/24

Right Out: 1776.576+/-0.336 χ^2/NDF: 561642.7/28

Left In: 1905.629+/-0.315 χ^2/NDF:52783.9/22

Left: 1884.297+/-0.217 χ^2/NDF: 356272.6/47

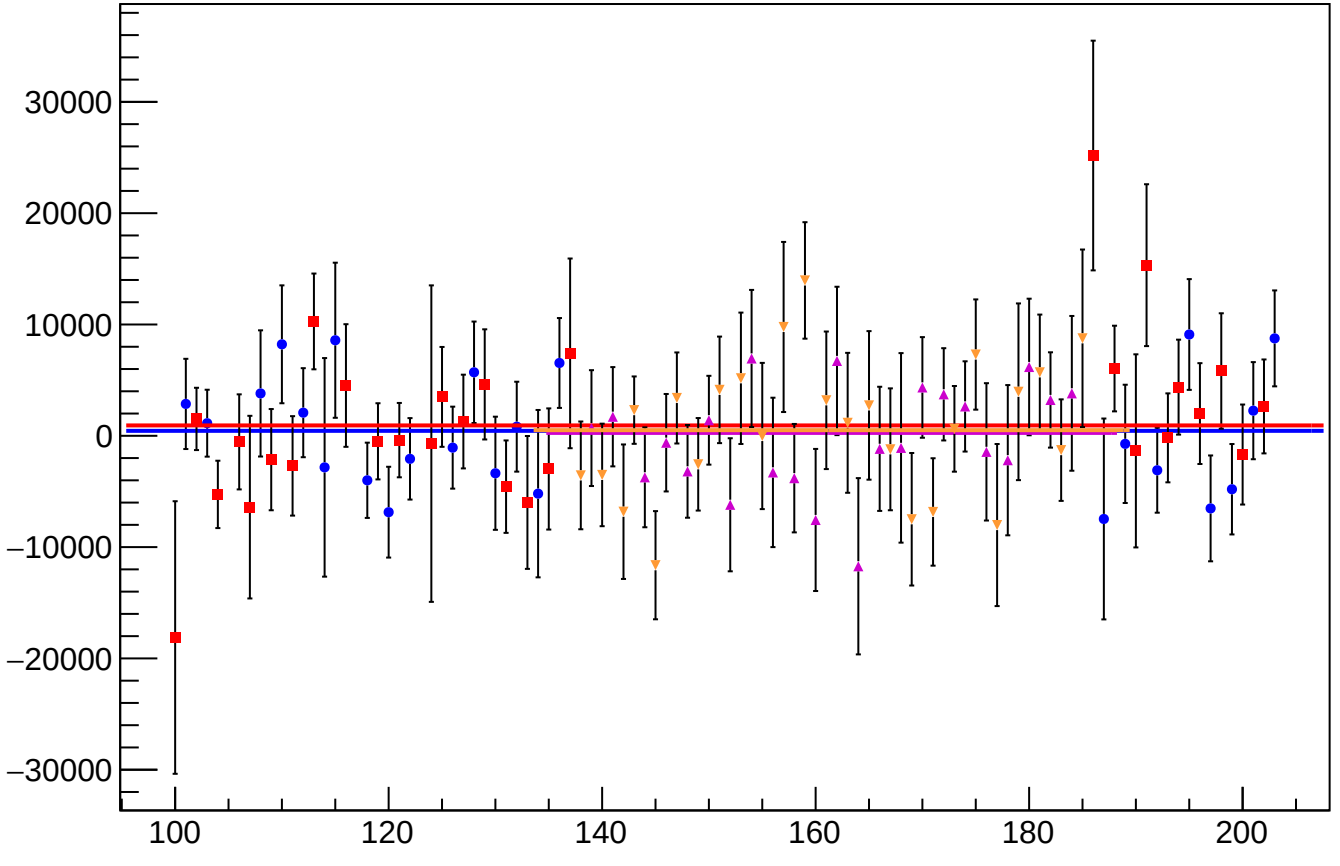
Right: 1775.451+/-0.242 χ^2/NDF: 1232256.9/52

In: 1846.781+/-0.234 χ^2/NDF:801345.9/46

Out: 1825.561+/-0.224 χ^2/NDF:894691.0/53

All: 1835.710+/-0.162 χ^2/NDF: 1700327.3/10

asym_atr1l2_dd_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: 446.272+/-904.217 χ^2/NDF: 27.3/23

Left Out: 504.265+/-1021.686 χ^2/NDF:30.1/24

Right Out: 932.237+/-851.980 χ^2/NDF: 32.7/28

Left In: 261.051+/-1081.404 χ^2/NDF:13.6/22

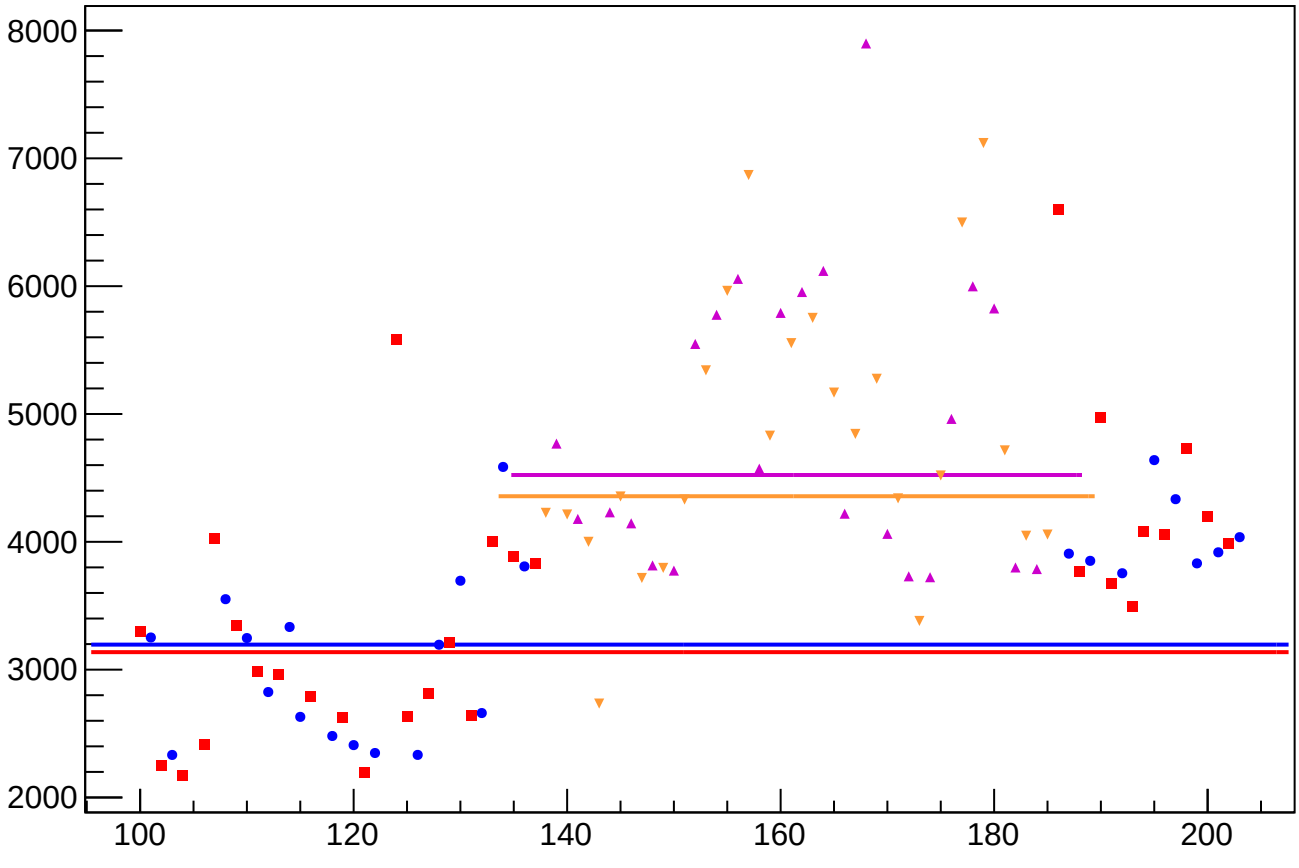
Left: 389.559+/-742.655 χ^2/NDF: 43.7/47

Right: 703.696+/-620.086 χ^2/NDF: 60.2/52

In: 370.059+/-693.677 χ^2/NDF:40.9/46

Out: 756.699+/-654.328 χ^2/NDF:62.9/53

All: 574.655+/-475.983 χ^2/NDF: 104.0/100



Right In: 3195.854+/-0.639 χ^2/NDF: 1302009.8/23

Left Out: 4356.650+/-0.722 χ^2/NDF:1912327.4/24

Right Out: 3136.953+/-0.602 χ^2/NDF: 1883496.6/28

Left In: 4522.795+/-0.765 χ^2/NDF:1434009.9/22

Left: 4435.009+/-0.525 χ^2/NDF: 3371281.4/47

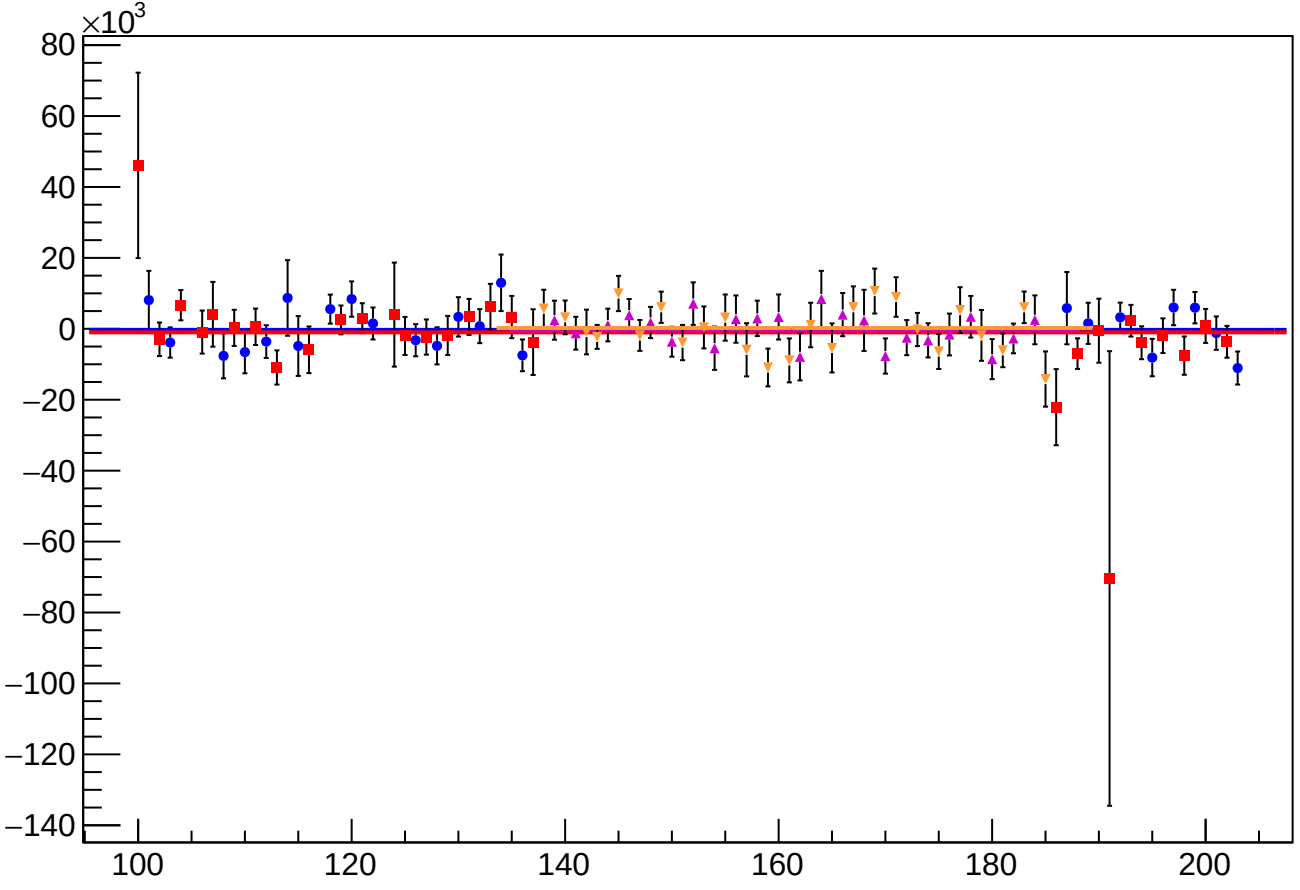
Right: 3164.653+/-0.438 χ^2/NDF: 3190001.9/52

In: 3741.851+/-0.491 χ^2/NDF:4508271.5/46

Out: 3637.228+/-0.463 χ^2/NDF:5477071.1/53

All: 3686.488+/-0.337 χ^2/NDF: 10009417.5/1

asym_atr1l2_dd_mean vs Slug, Sign Corrected



Right In: -296.645+/-1063.869 χ^2/NDF: 30.3/23

Left Out: 239.929+/-1064.647 χ^2/NDF:32.2/24

Right Out: -1001.160+/-1023.063 χ^2/NDF: 26.2/28

Left In: -397.881+/-1121.323 χ^2/NDF:14.2/22

Left: -62.451+/-772.078 χ^2/NDF: 46.6/47

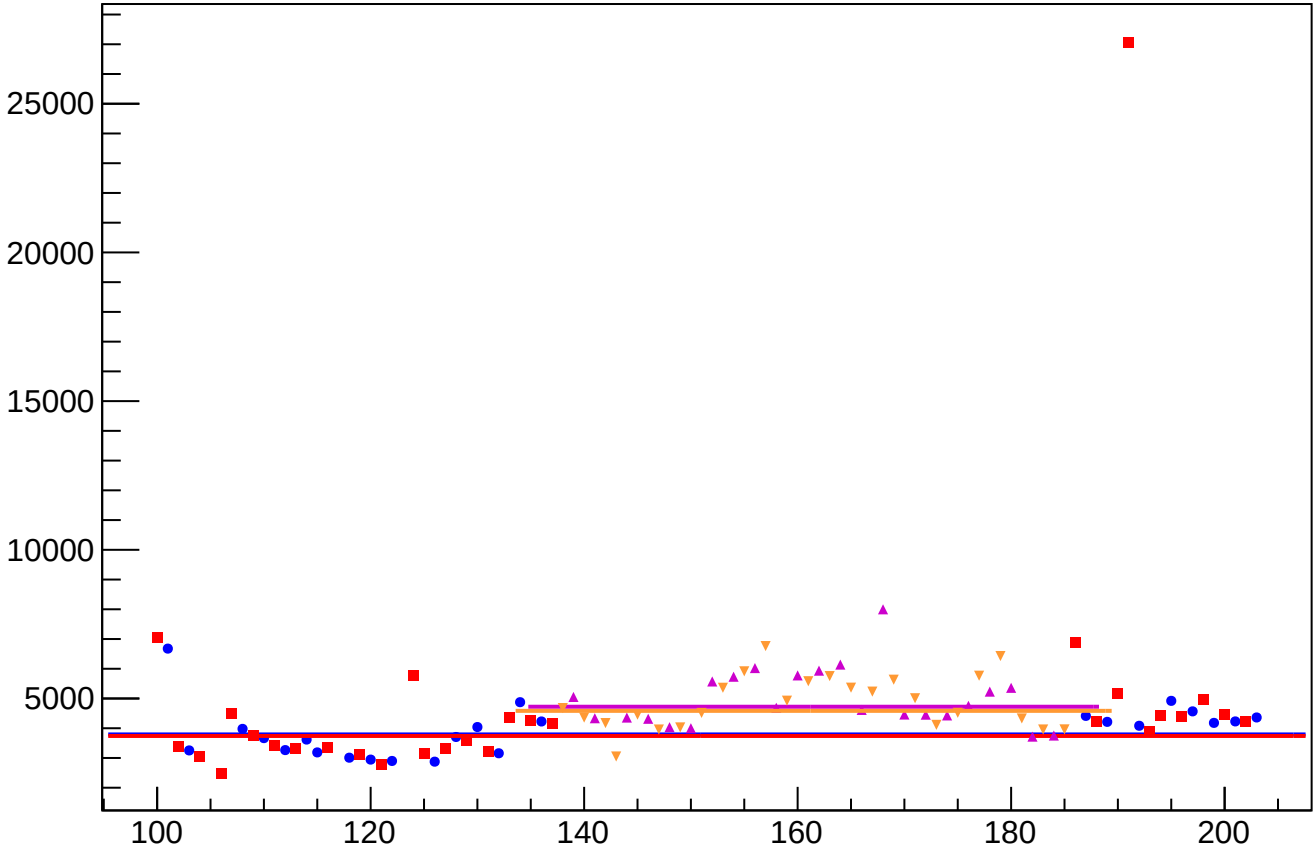
Right: -662.673+/-737.419 χ^2/NDF: 56.7/52

In: -344.603+/-771.781 χ^2/NDF:44.5/46

Out: -405.327+/-737.678 χ^2/NDF:59.1/53

All: -376.336+/-533.266 χ^2/NDF: 103.6/100

asym_atr1l2_dd_rms vs Slug, Sign Corrected



Right In: 3791.370+/-0.752 χ^2/NDF: 932530.8/23

Left Out: 4584.664+/-0.753 χ^2/NDF:1311720.7/24

Right Out: 3740.448+/-0.717 χ^2/NDF: 1338582.3/28

Left In: 4723.014+/-0.793 χ^2/NDF:1016613.0/22

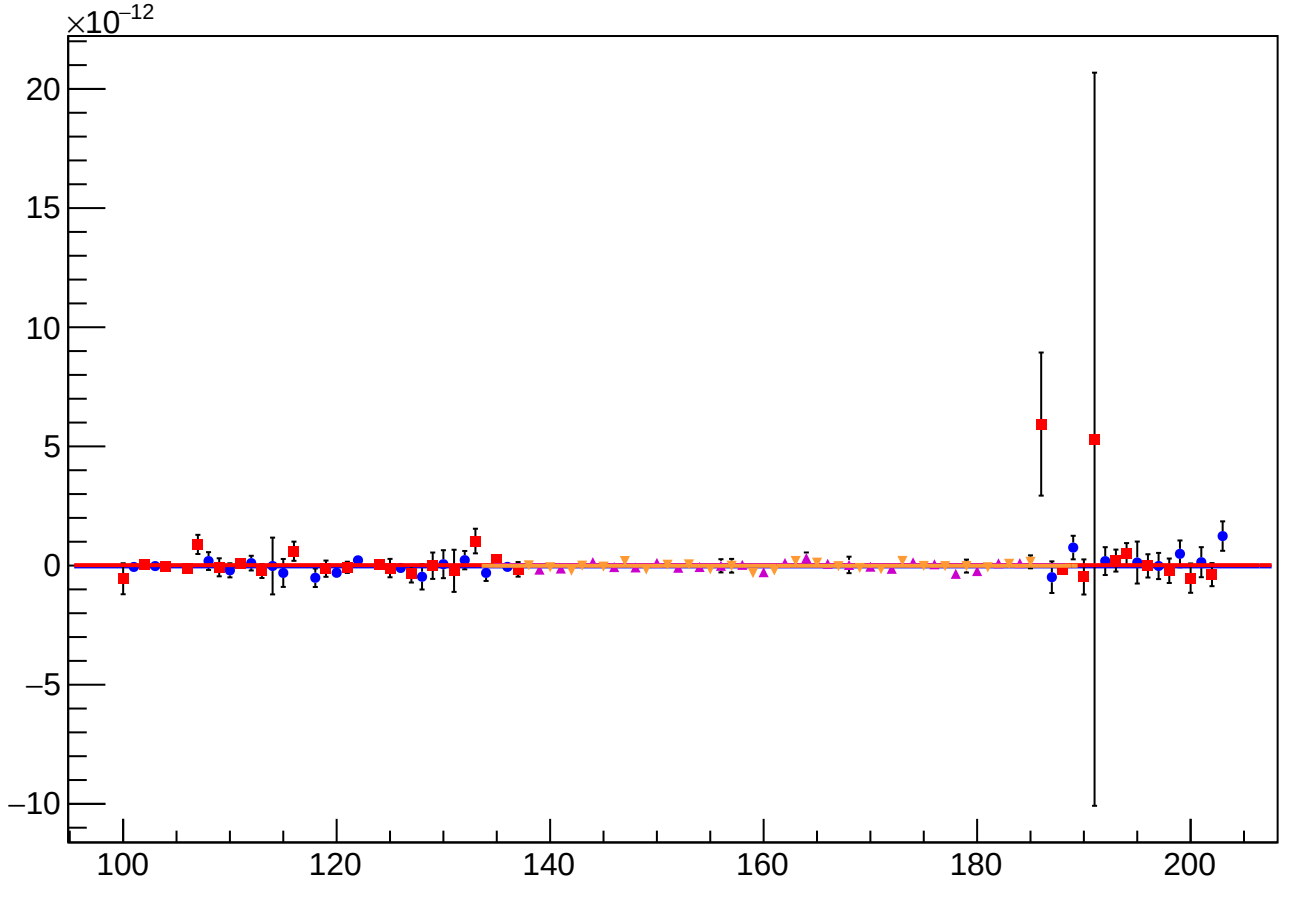
Left: 4650.254+/-0.546 χ^2/NDF: 2344345.5/47

Right: 3764.683+/-0.519 χ^2/NDF: 2273514.4/52

In: 4232.713+/-0.546 χ^2/NDF:2675720.0/46

Out: 4141.924+/-0.519 χ^2/NDF:3309811.6/53

All: 4185.054+/-0.376 χ^2/NDF: 6000060.3/10



Right In: -0.000+/-0.000 χ^2/NDF: 17.2/23

Left Out: -0.000+/-0.000 χ^2/NDF:22.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 26.5/28

Left In: 0.000+/-0.000 χ^2/NDF:26.0/22

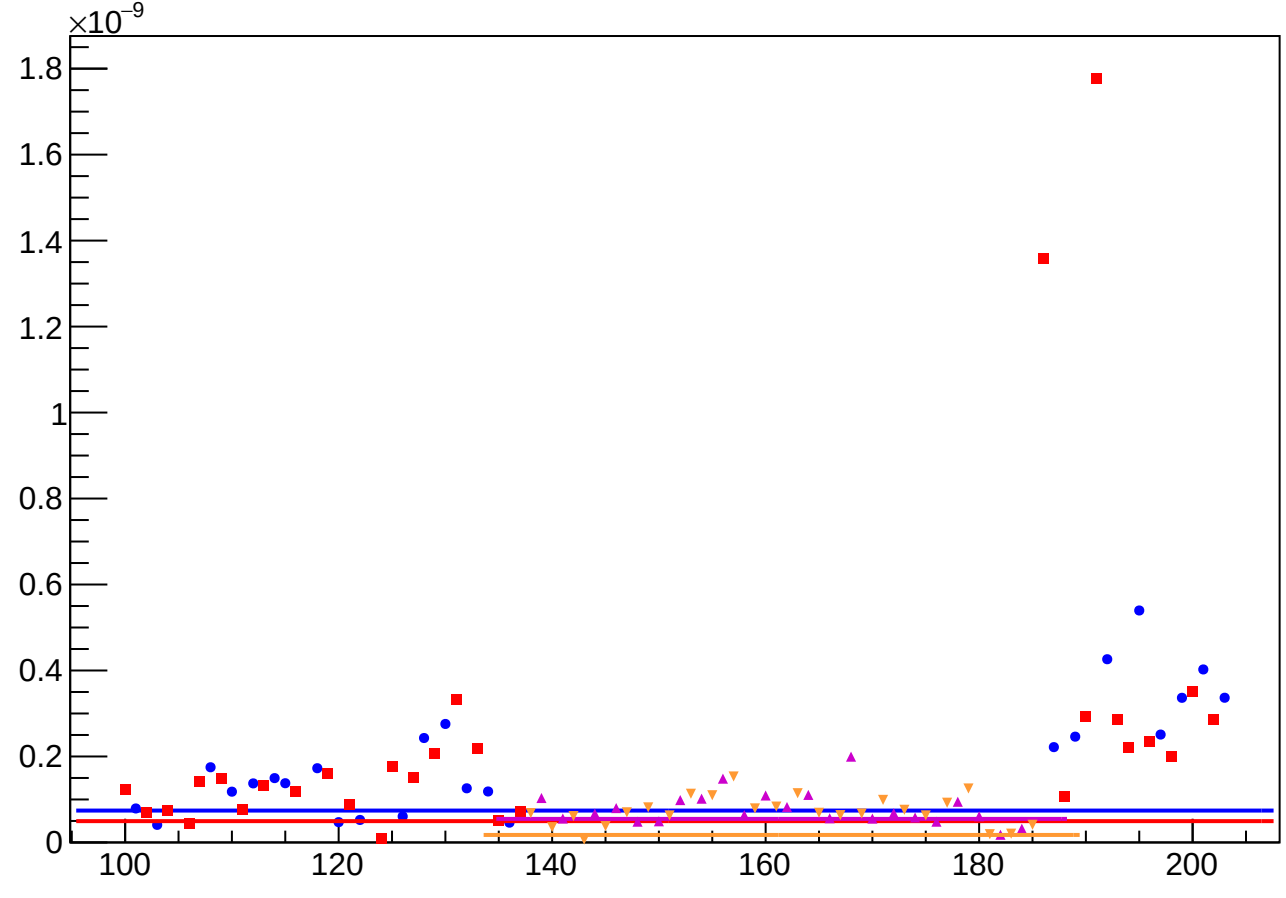
Left: -0.000+/-0.000 χ^2/NDF: 49.7/47

Right: -0.000+/-0.000 χ^2/NDF: 44.6/52

In: 0.000+/-0.000 χ^2/NDF:44.3/46

Out: -0.000+/-0.000 χ^2/NDF:49.8/53

All: -0.000+/-0.000 χ^2/NDF: 94.3/100



Right In: 0.000+/-0.000 χ^2/NDF: 4727595.8/23

Left Out: 0.000+/-0.000 χ^2/NDF:8870606.3/24

Right Out: 0.000+/-0.000 χ^2/NDF: 6306065.1/28

Left In: 0.000+/-0.000 χ^2/NDF:2798764.9/22

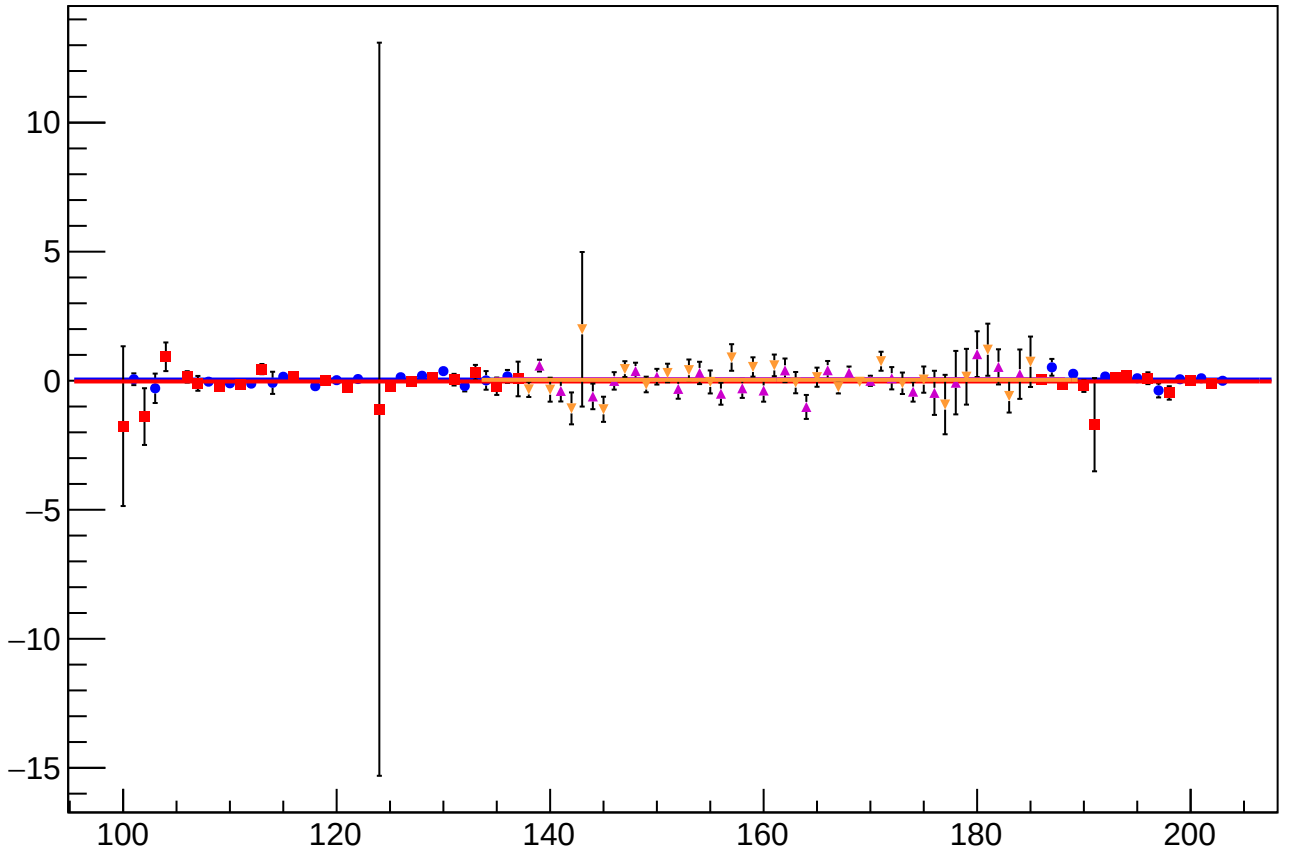
Left: 0.000+/-0.000 χ^2/NDF: 15661479.1/47

Right: 0.000+/-0.000 χ^2/NDF: 11424371.9/52

In: 0.000+/-0.000 χ^2/NDF:7831481.9/46

Out: 0.000+/-0.000 χ^2/NDF:16729290.7/53

All: 0.000+/-0.000 χ^2/NDF: 29965900.6/100



Right In: 0.046+/-0.039 χ^2/NDF: 19.3/23

Left Out: 0.034+/-0.078 χ^2/NDF:30.5/24

Right Out: -0.030+/-0.035 χ^2/NDF: 31.5/28

Left In: 0.056+/-0.077 χ^2/NDF:26.1/22

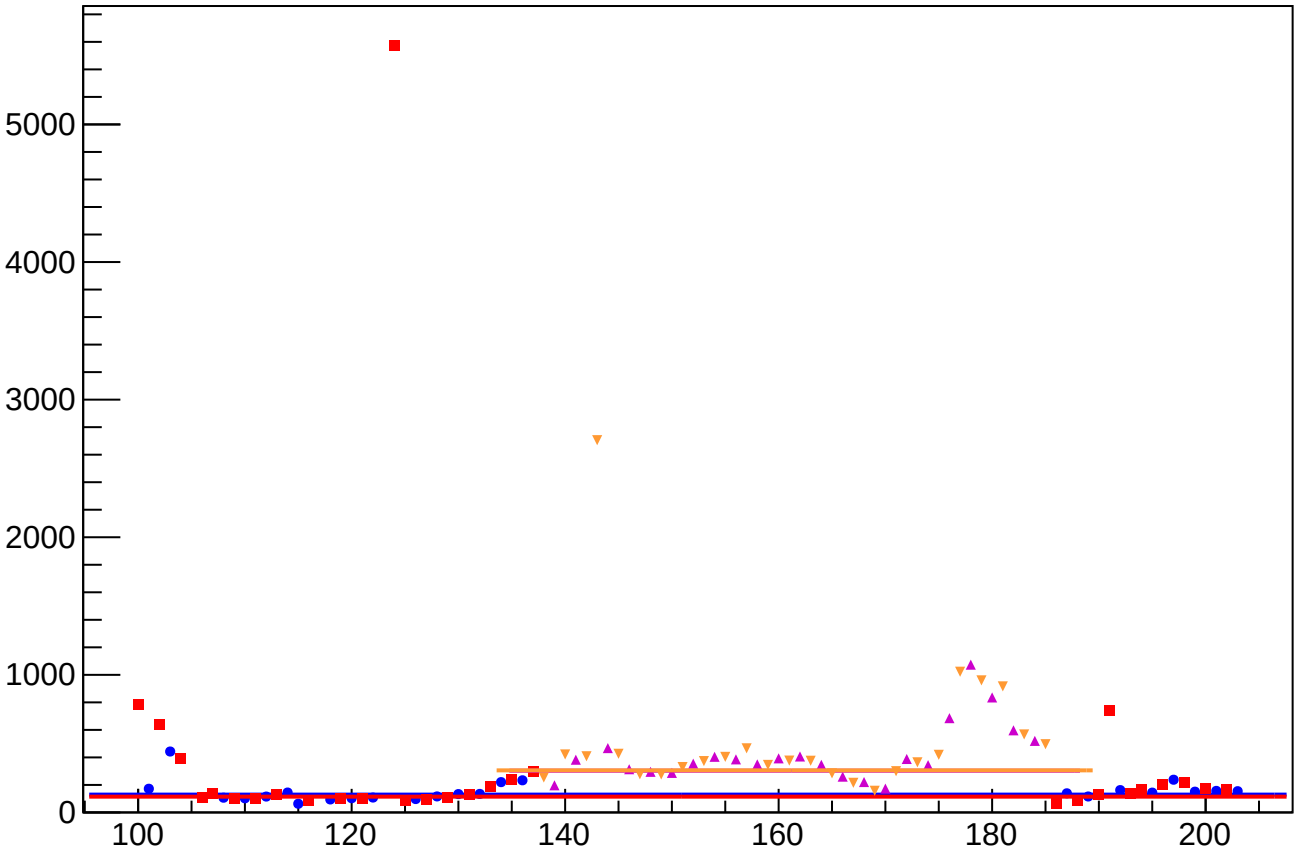
Left: 0.045+/-0.055 χ^2/NDF: 56.5/47

Right: 0.004+/-0.026 χ^2/NDF: 52.9/52

In: 0.048+/-0.034 χ^2/NDF:45.3/46

Out: -0.019+/-0.032 χ^2/NDF:62.5/53

All: 0.011+/-0.023 χ^2/NDF: 109.9/100



Right In: 129.664+/-0.027 χ^2/NDF: 2390957.9/23

Left Out: 305.950+/-0.055 χ^2/NDF:6634928.0/24

Right Out: 114.884+/-0.024 χ^2/NDF: 4291335.3/28

Left In: 303.278+/-0.055 χ^2/NDF:4813442.3/22

Left: 304.603+/-0.039 χ^2/NDF: 11449555.3/47

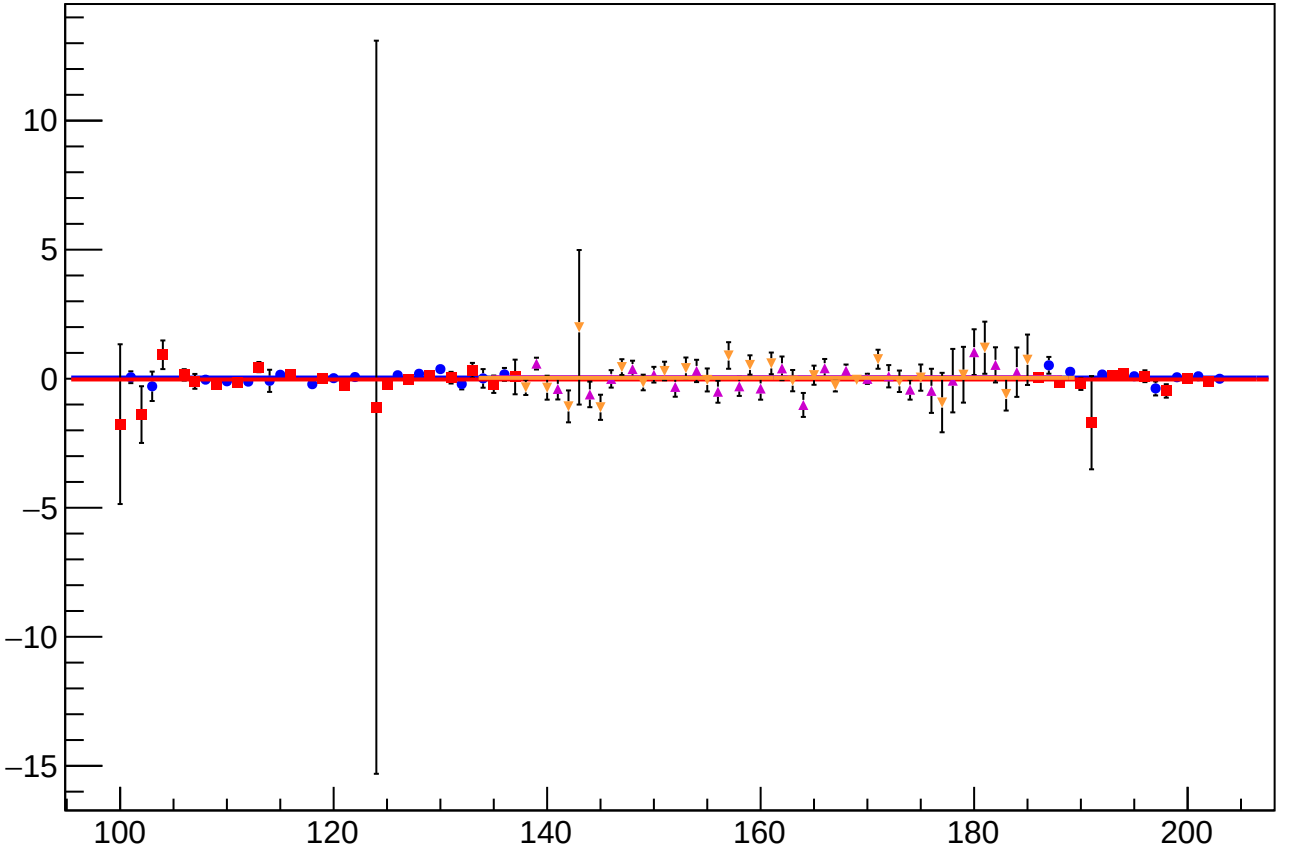
Right: 121.467+/-0.018 χ^2/NDF: 6845369.8/52

In: 164.233+/-0.024 χ^2/NDF:15283165.7/46

Out: 146.256+/-0.022 χ^2/NDF:20972803.0/53

All: 154.453+/-0.016 χ^2/NDF: 36551473.4/10

asym_atr1l2_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.046+/-0.039 χ^2/NDF: 19.3/23

Left Out: 0.034+/-0.078 χ^2/NDF:30.5/24

Right Out: -0.030+/-0.035 χ^2/NDF: 31.5/28

Left In: 0.056+/-0.077 χ^2/NDF:26.1/22

Left: 0.045+/-0.055 χ^2/NDF: 56.5/47

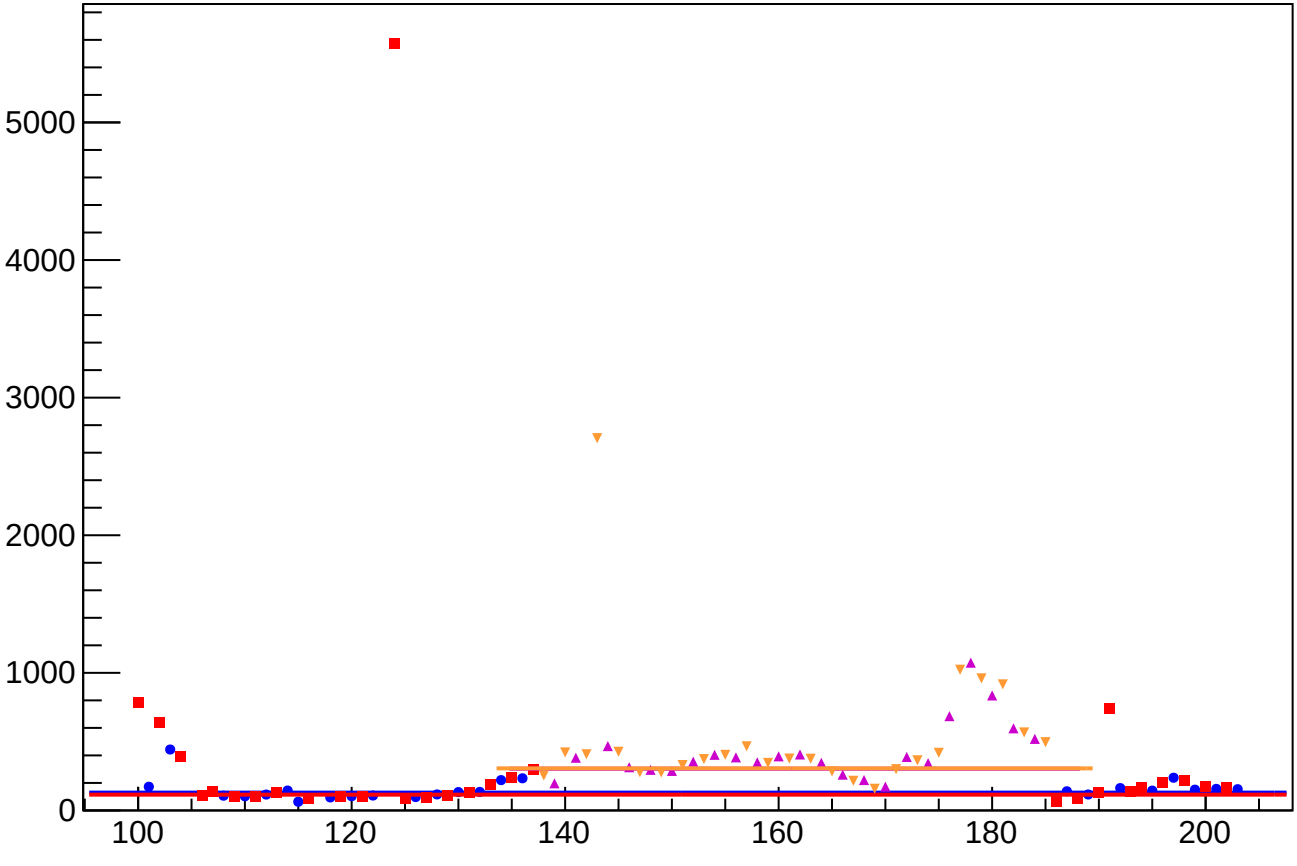
Right: 0.004+/-0.026 χ^2/NDF: 52.9/52

In: 0.048+/-0.034 χ^2/NDF:45.3/46

Out: -0.019+/-0.032 χ^2/NDF:62.5/53

All: 0.011+/-0.023 χ^2/NDF: 109.9/100

asym_atr1l2_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 129.664+/-0.027 χ^2/NDF: 2390957.9/23

Left Out: 305.950+/-0.055 χ^2/NDF:6634928.0/24

Right Out: 114.884+/-0.024 χ^2/NDF: 4291335.3/28

Left In: 303.278+/-0.055 χ^2/NDF:4813442.3/22

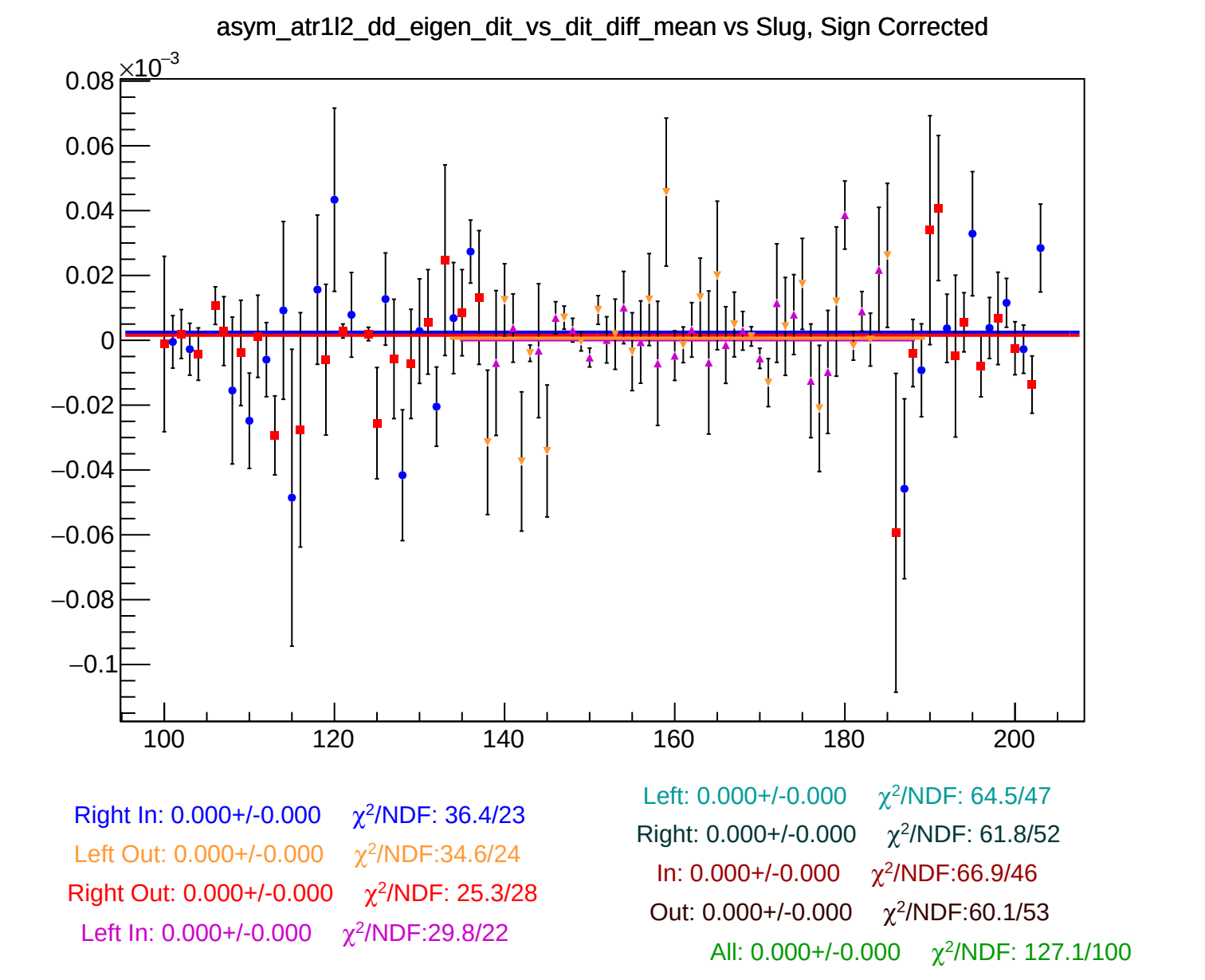
Left: 304.603+/-0.039 χ^2/NDF: 11449555.3/47

Right: 121.467+/-0.018 χ^2/NDF: 6845369.8/52

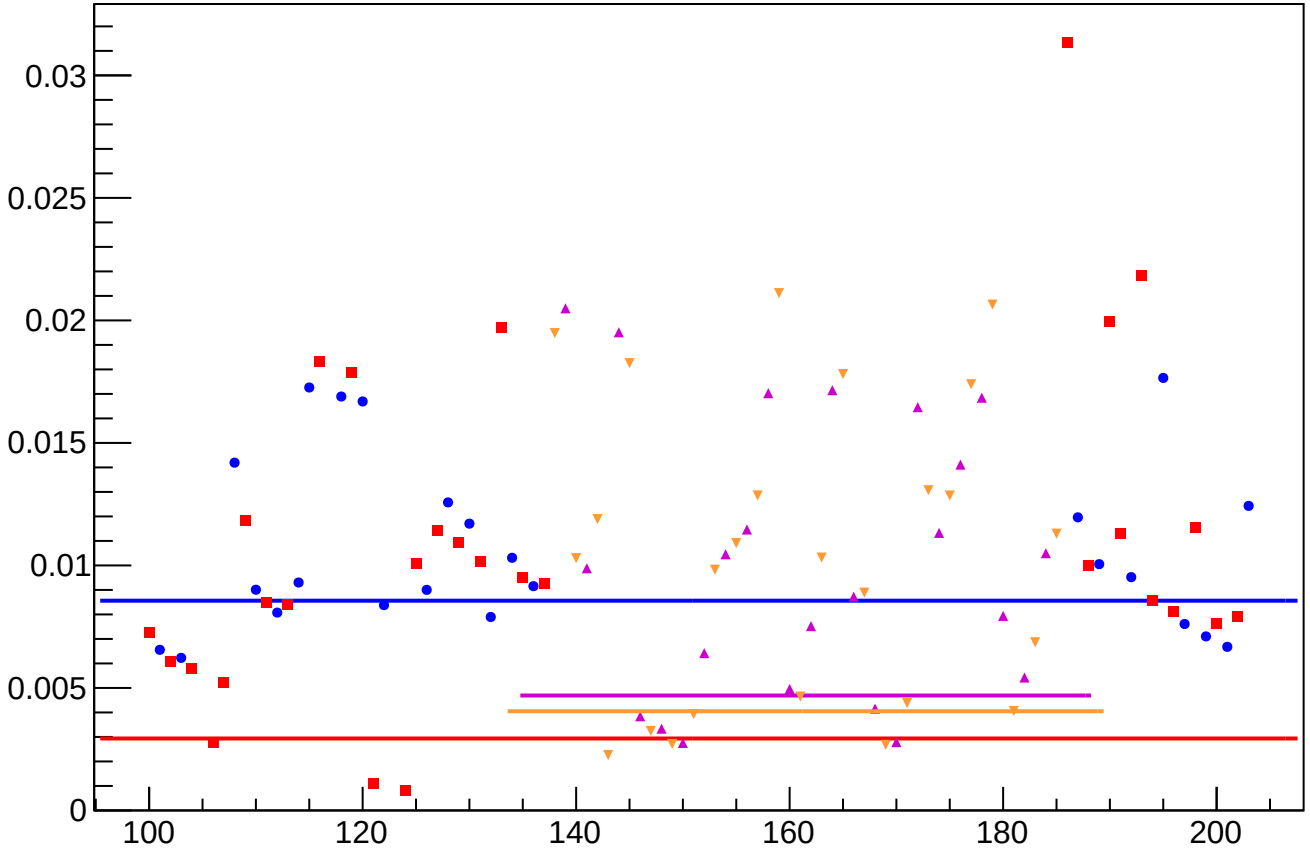
In: 164.233+/-0.024 χ^2/NDF:15283165.7/46

Out: 146.256+/-0.022 χ^2/NDF:20972803.0/53

All: 154.453+/-0.016 χ^2/NDF: 36551473.4/10


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: 36.4/23
Left Out: 0.000+/-0.000 χ²/NDF:34.6/24
Right Out: 0.000+/-0.000 χ²/NDF: 25.3/28
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: 61.8/52
In: 0.000+/-0.000 χ²/NDF:66.9/46
Out: 0.000+/-0.000 χ²/NDF:60.1/53
All: 0.000+/-0.000 χ²/NDF: 127.1/100

asym_atr1l2_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.009+/-0.000 χ^2/NDF: 2020623.8/23

Left Out: 0.004+/-0.000 χ^2/NDF:13552895.5/24

Right Out: 0.003+/-0.000 χ^2/NDF: 16647386.3/28

Left In: 0.005+/-0.000 χ^2/NDF:10859759.8/22

Left: 0.004+/-0.000 χ^2/NDF: 24656660.1/47

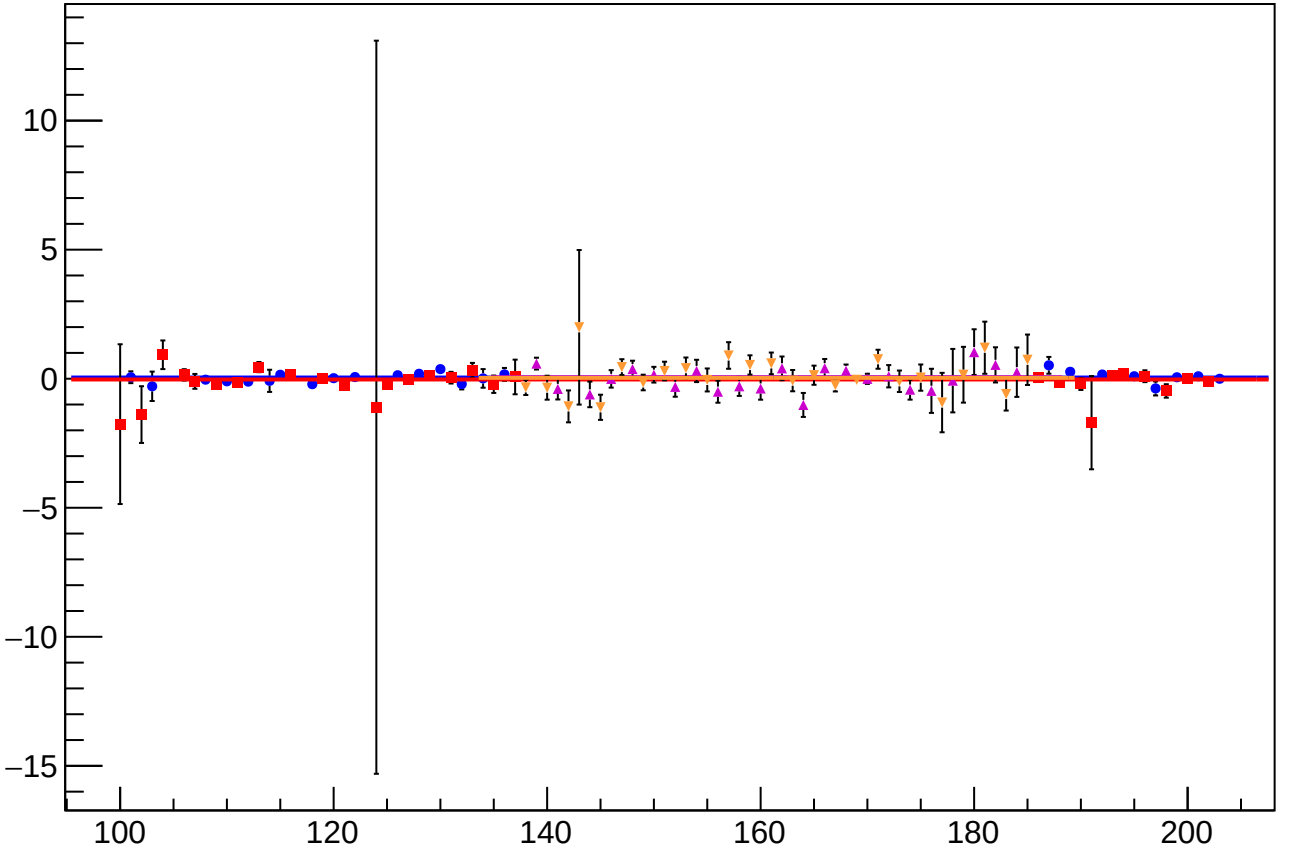
Right: 0.004+/-0.000 χ^2/NDF: 26663567.3/52

In: 0.006+/-0.000 χ^2/NDF:16495307.5/46

Out: 0.004+/-0.000 χ^2/NDF:31020754.5/53

All: 0.004+/-0.000 χ^2/NDF: 51381000.7/100

asym_atr1l2_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.046+/-0.039 χ^2/NDF: 19.3/23

Left Out: 0.034+/-0.078 χ^2/NDF:30.5/24

Right Out: -0.030+/-0.035 χ^2/NDF: 31.5/28

Left In: 0.056+/-0.077 χ^2/NDF:26.0/22

Left: 0.045+/-0.055 χ^2/NDF: 56.5/47

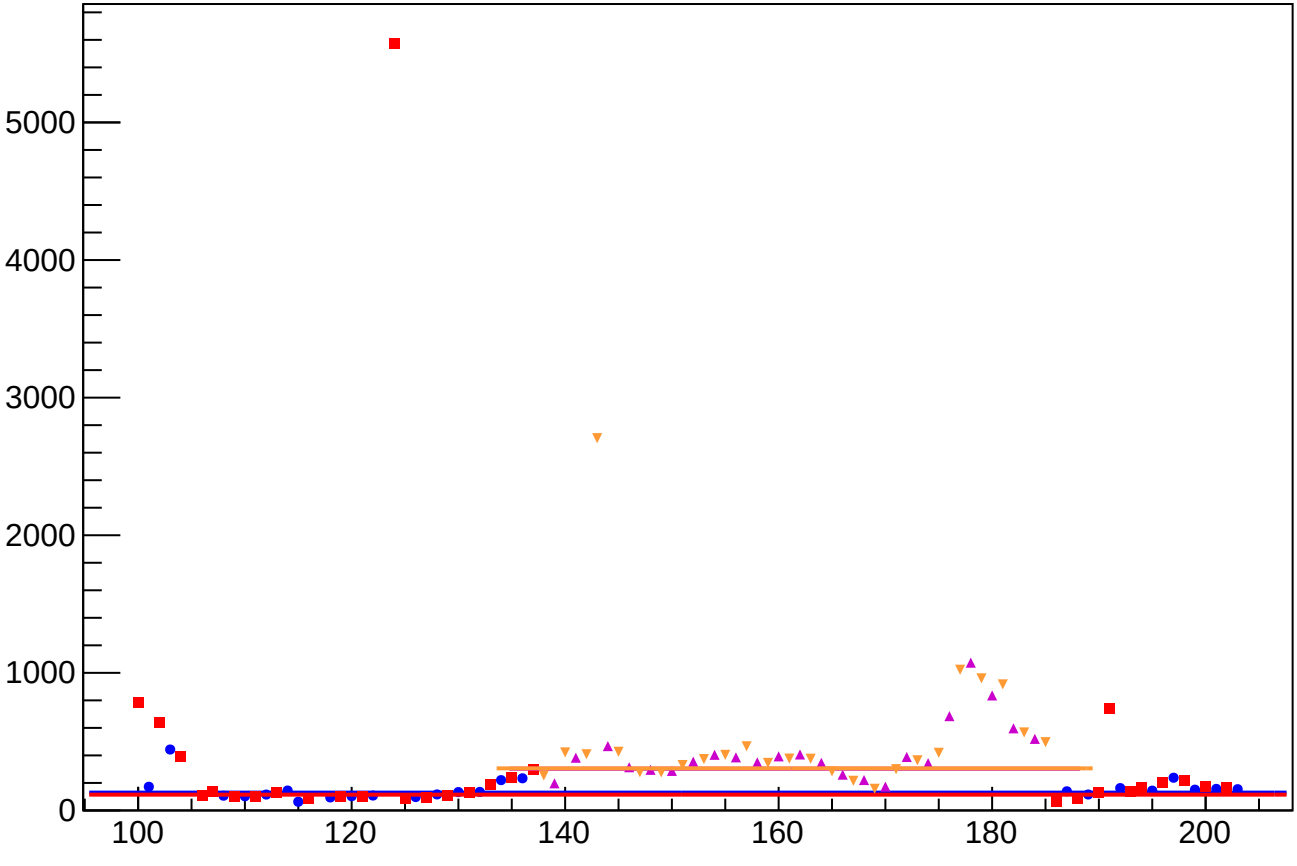
Right: 0.004+/-0.026 χ^2/NDF: 52.9/52

In: 0.048+/-0.034 χ^2/NDF:45.3/46

Out: -0.019+/-0.032 χ^2/NDF:62.5/53

All: 0.011+/-0.023 χ^2/NDF: 109.9/100

asym_atr1l2_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 129.664+/-0.027 χ^2/NDF: 2390941.8/23

Left Out: 305.951+/-0.055 χ^2/NDF:6634999.6/24

Right Out: 114.884+/-0.024 χ^2/NDF: 4291127.7/28

Left In: 303.281+/-0.055 χ^2/NDF:4813426.5/22

Left: 304.605+/-0.039 χ^2/NDF: 11449609.9/47

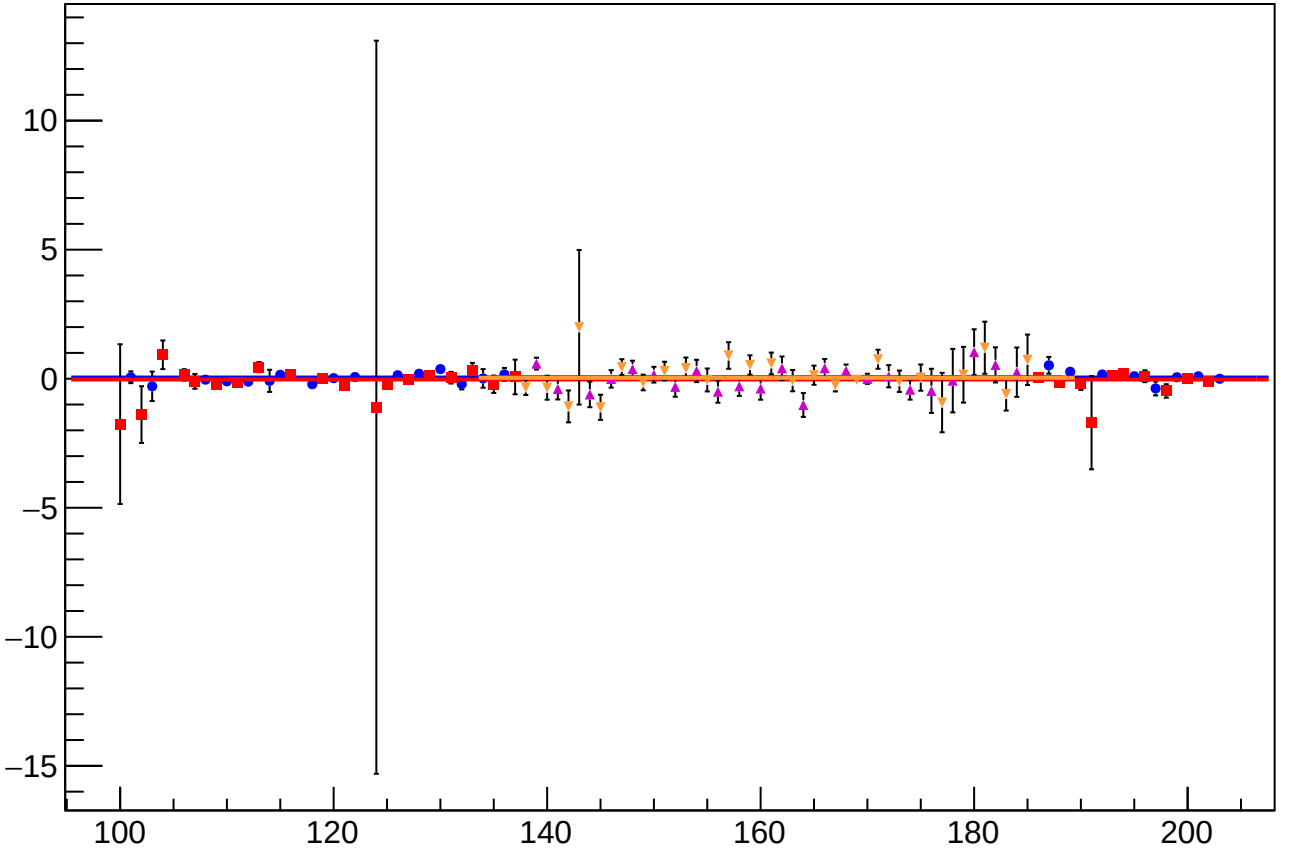
Right: 121.467+/-0.018 χ^2/NDF: 6845136.5/52

In: 164.234+/-0.024 χ^2/NDF:15283224.5/46

Out: 146.257+/-0.022 χ^2/NDF:20972638.8/53

All: 154.454+/-0.016 χ^2/NDF: 36551362.6/10

asym_atr1l2_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.046+/-0.039 χ^2/NDF: 19.3/23

Left Out: 0.034+/-0.078 χ^2/NDF:30.5/24

Right Out: -0.030+/-0.035 χ^2/NDF: 31.5/28

Left In: 0.056+/-0.077 χ^2/NDF:26.0/22

Left: 0.045+/-0.055 χ^2/NDF: 56.5/47

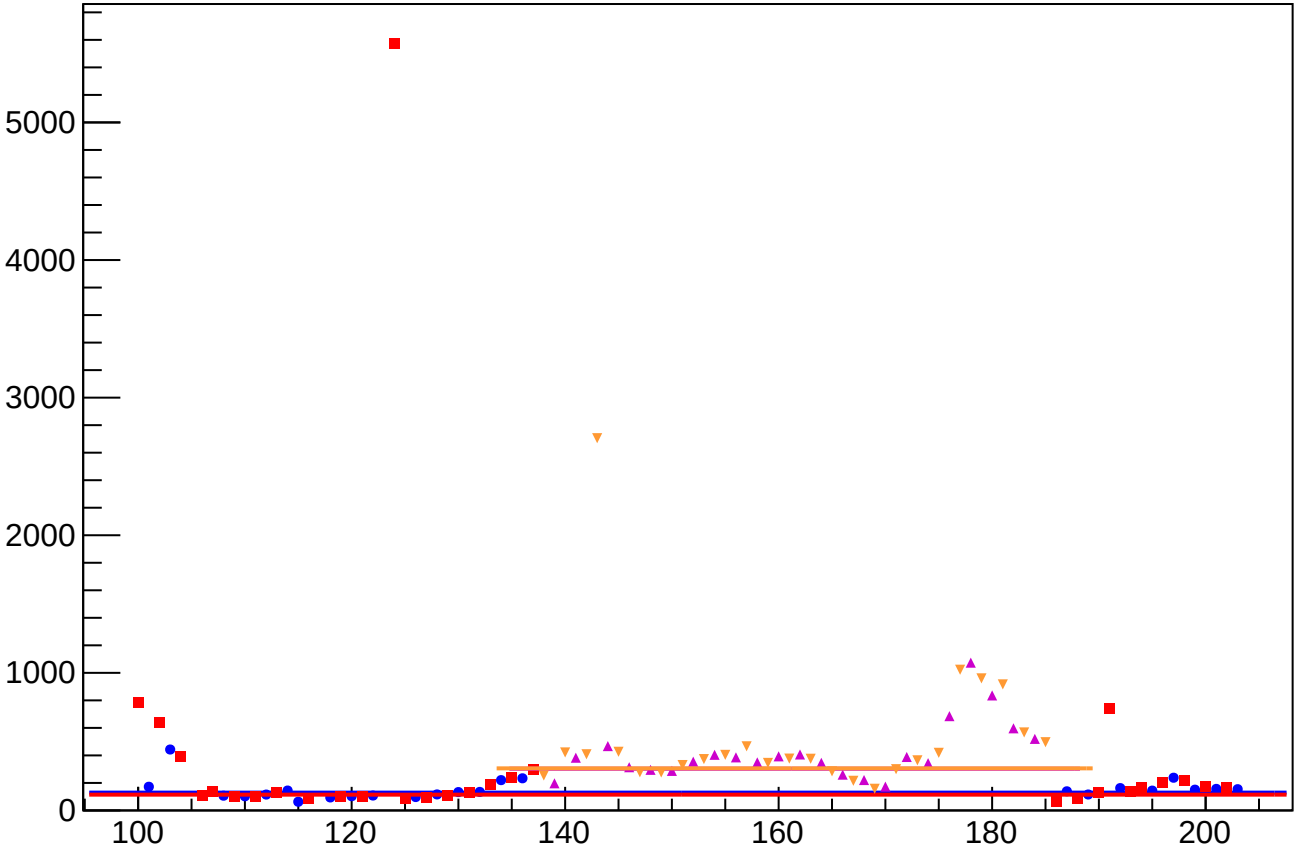
Right: 0.004+/-0.026 χ^2/NDF: 52.9/52

In: 0.048+/-0.034 χ^2/NDF:45.3/46

Out: -0.019+/-0.032 χ^2/NDF:62.5/53

All: 0.011+/-0.023 χ^2/NDF: 109.9/100

asym_atr1l2_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 129.664+/-0.027 χ^2/NDF: 2390941.8/23

Left Out: 305.951+/-0.055 χ^2/NDF:6634999.6/24

Right Out: 114.884+/-0.024 χ^2/NDF: 4291127.7/28

Left In: 303.281+/-0.055 χ^2/NDF:4813426.5/22

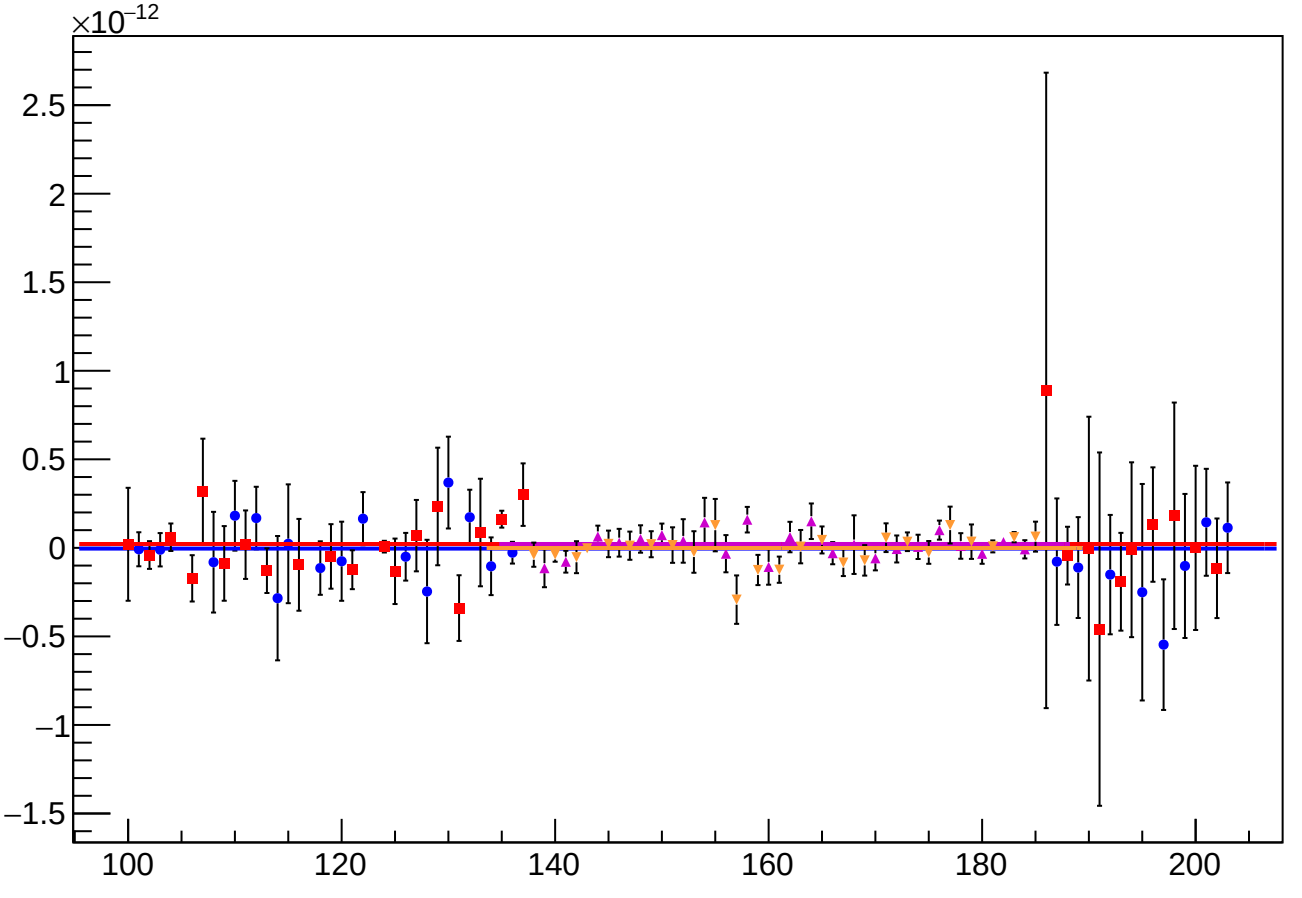
Left: 304.605+/-0.039 χ^2/NDF: 11449609.9/47

Right: 121.467+/-0.018 χ^2/NDF: 6845136.5/52

In: 164.234+/-0.024 χ^2/NDF:15283224.5/46

Out: 146.257+/-0.022 χ^2/NDF:20972638.8/53

All: 154.454+/-0.016 χ^2/NDF: 36551362.6/10



Right In: -0.000+/-0.000 χ^2/NDF: 12.4/23

Left Out: -0.000+/-0.000 χ^2/NDF:22.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 25.9/28

Left In: 0.000+/-0.000 χ^2/NDF:19.5/22

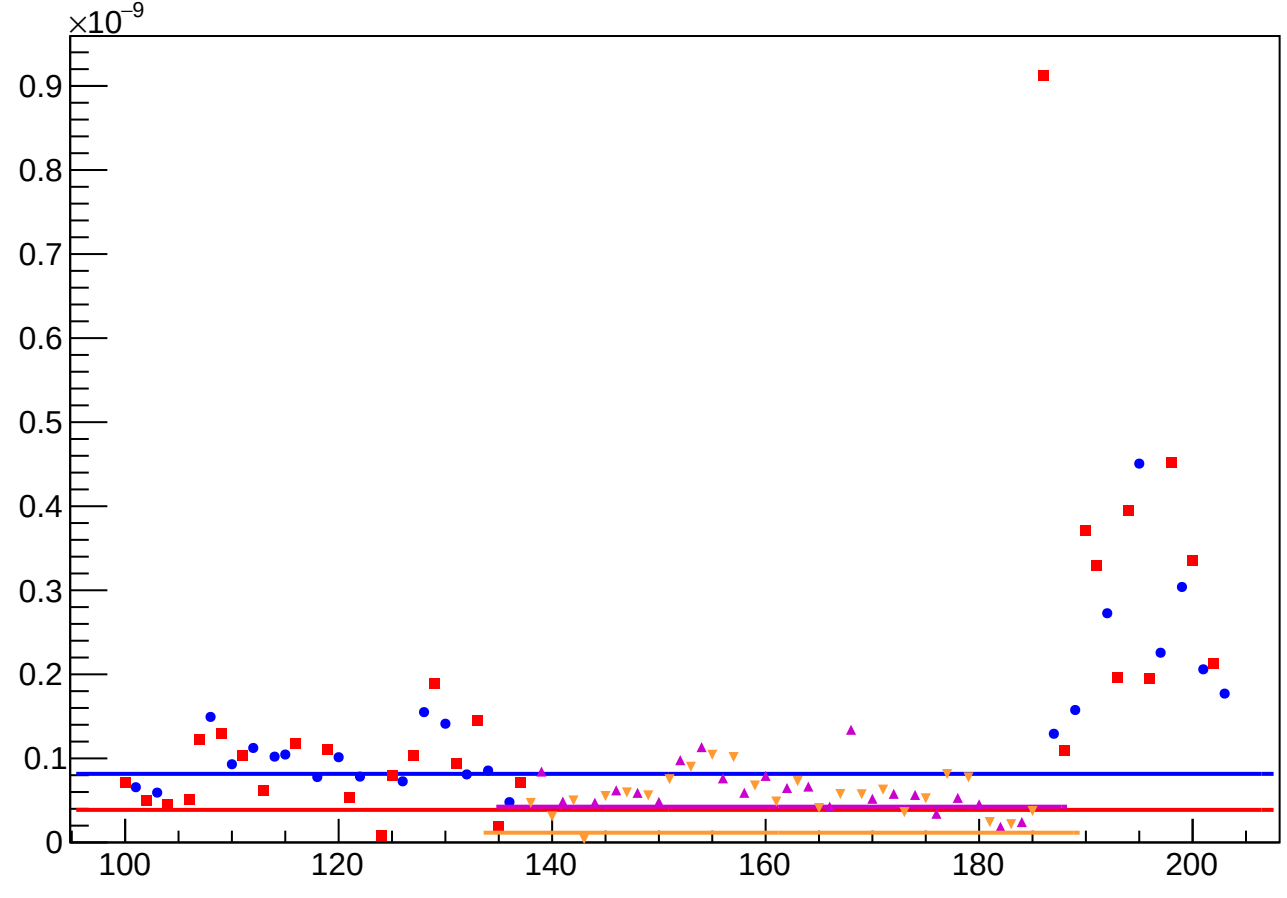
Left: 0.000+/-0.000 χ^2/NDF: 44.0/47

Right: 0.000+/-0.000 χ^2/NDF: 38.7/52

In: 0.000+/-0.000 χ^2/NDF:32.4/46

Out: 0.000+/-0.000 χ^2/NDF:49.0/53

All: 0.000+/-0.000 χ^2/NDF: 83.1/100



Right In: 0.000+/-0.000 χ^2/NDF: 4295394.8/23

Left Out: 0.000+/-0.000 χ^2/NDF:17863822.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 10621612.3/28

Left In: 0.000+/-0.000 χ^2/NDF:5419961.9/22

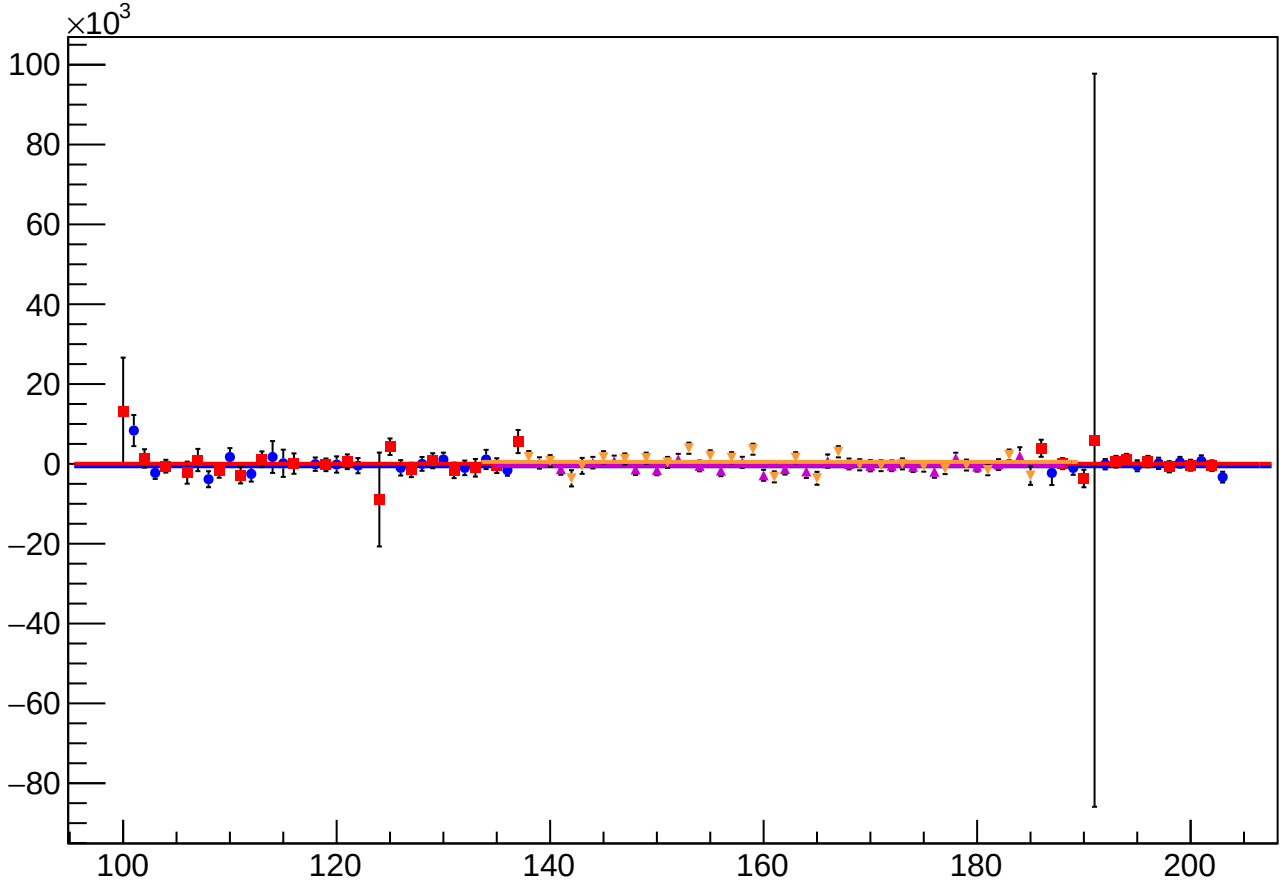
Left: 0.000+/-0.000 χ^2/NDF: 32408011.0/47

Right: 0.000+/-0.000 χ^2/NDF: 17297420.8/52

In: 0.000+/-0.000 χ^2/NDF:12118570.7/46

Out: 0.000+/-0.000 χ^2/NDF:31525686.4/53

All: 0.000+/-0.000 χ^2/NDF: 56536284.6/100



Right In: -598.215+/-357.099 χ^2/NDF: 20.2/23

Left Out: 492.062+/-288.495 χ^2/NDF:46.9/24

Right Out: 30.557+/-347.386 χ^2/NDF: 23.5/28

Left In: -486.821+/-293.769 χ^2/NDF:14.4/22

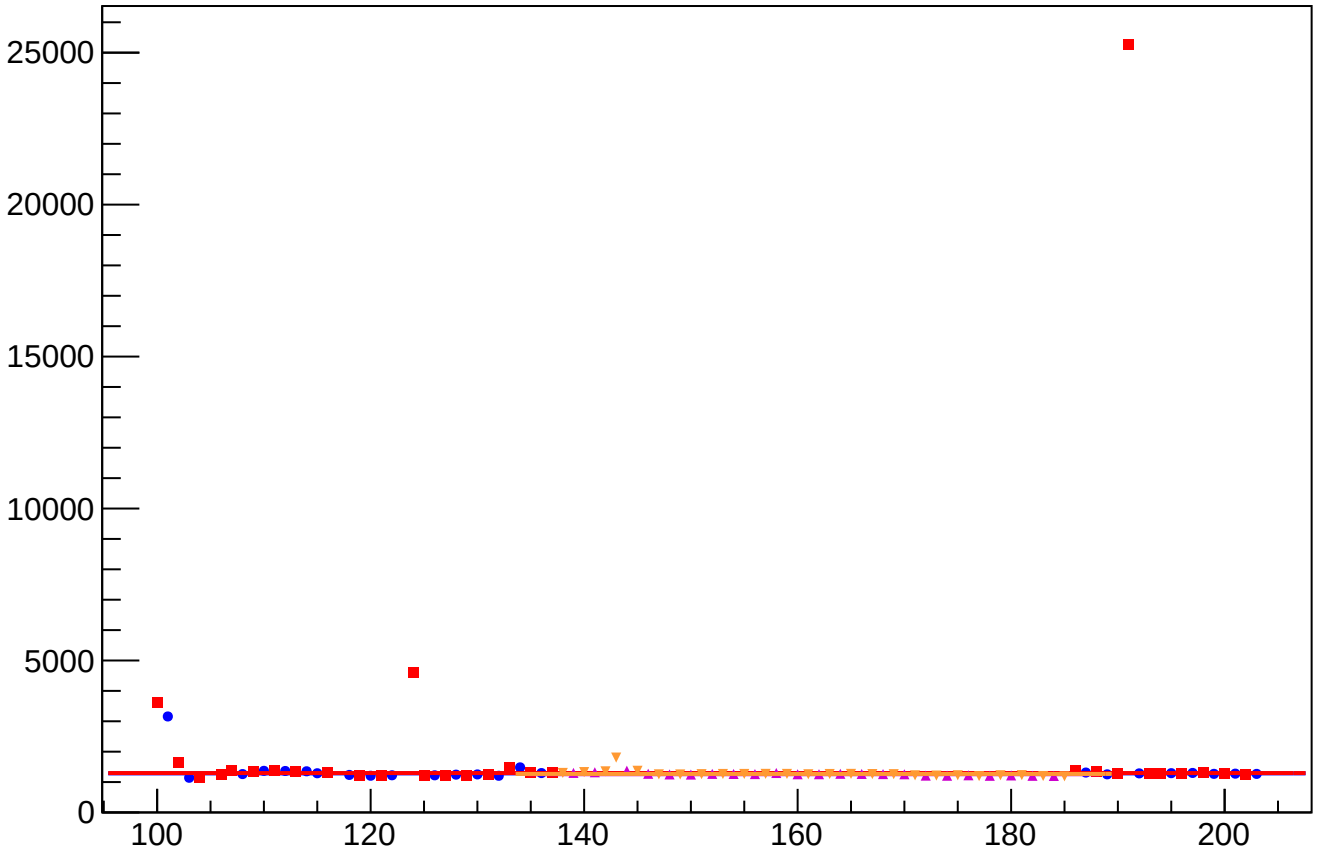
Left: 11.486+/-205.836 χ^2/NDF: 67.0/47

Right: -275.161+/-249.002 χ^2/NDF: 45.3/52

In: -531.781+/-226.866 χ^2/NDF:34.7/46

Out: 303.688+/-221.940 χ^2/NDF:71.5/53

All: -104.876+/-158.648 χ^2/NDF: 113.0/100



Right In: 1285.301+/-0.253 χ^2/NDF: 516525.6/23

Left Out: 1266.967+/-0.204 χ^2/NDF:187545.6/24

Right Out: 1296.553+/-0.245 χ^2/NDF: 467821.5/28

Left In: 1257.551+/-0.208 χ^2/NDF:36816.4/22

Left: 1262.345+/-0.146 χ^2/NDF: 225407.9/47

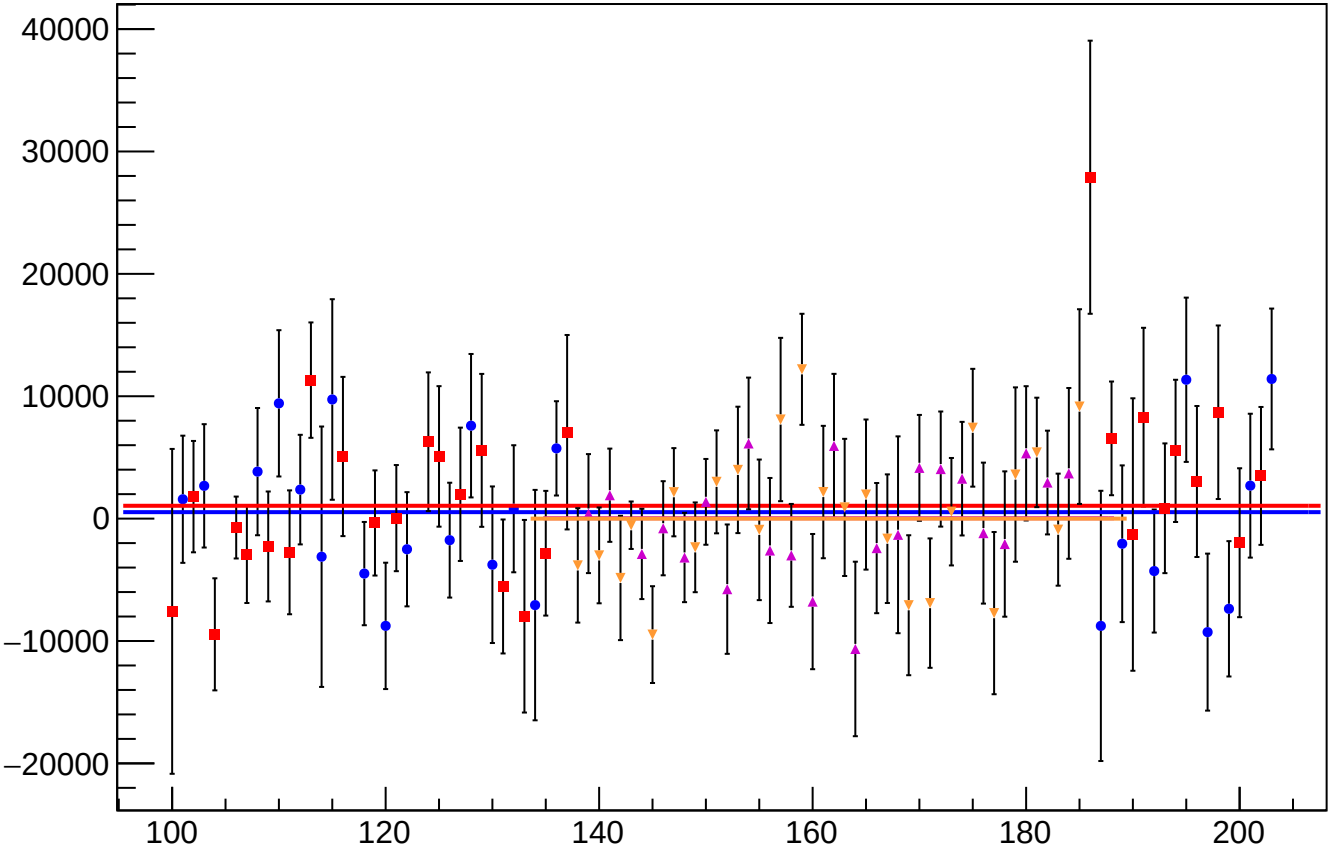
Right: 1291.089+/-0.176 χ^2/NDF: 985368.6/52

In: 1268.751+/-0.160 χ^2/NDF:560544.4/46

Out: 1279.063+/-0.157 χ^2/NDF:663965.9/53

All: 1274.023+/-0.112 χ^2/NDF: 1226622.5/10

asym_atl_dd_atr_dd_avg_reg_correction_mean vs Slug, Sign Corrected



Right In: 528.534+/-1132.348 χ^2/NDF: 26.6/23

Left Out: -0.604+/-886.488 χ^2/NDF:29.1/24

Right Out: 1049.679+/-970.752 χ^2/NDF: 29.9/28

Left In: 31.593+/-995.348 χ^2/NDF:14.0/22

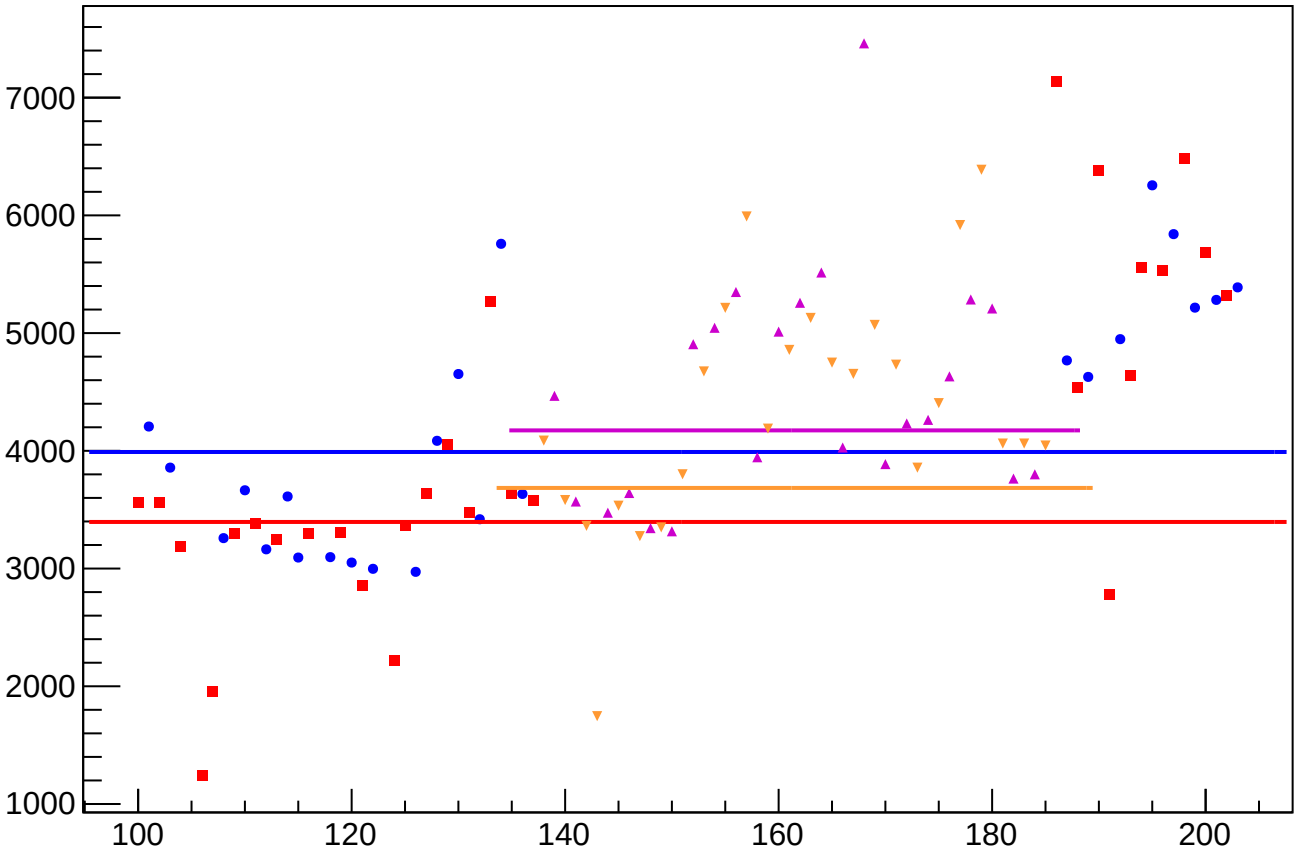
Left: 13.638+/-661.996 χ^2/NDF: 43.1/47

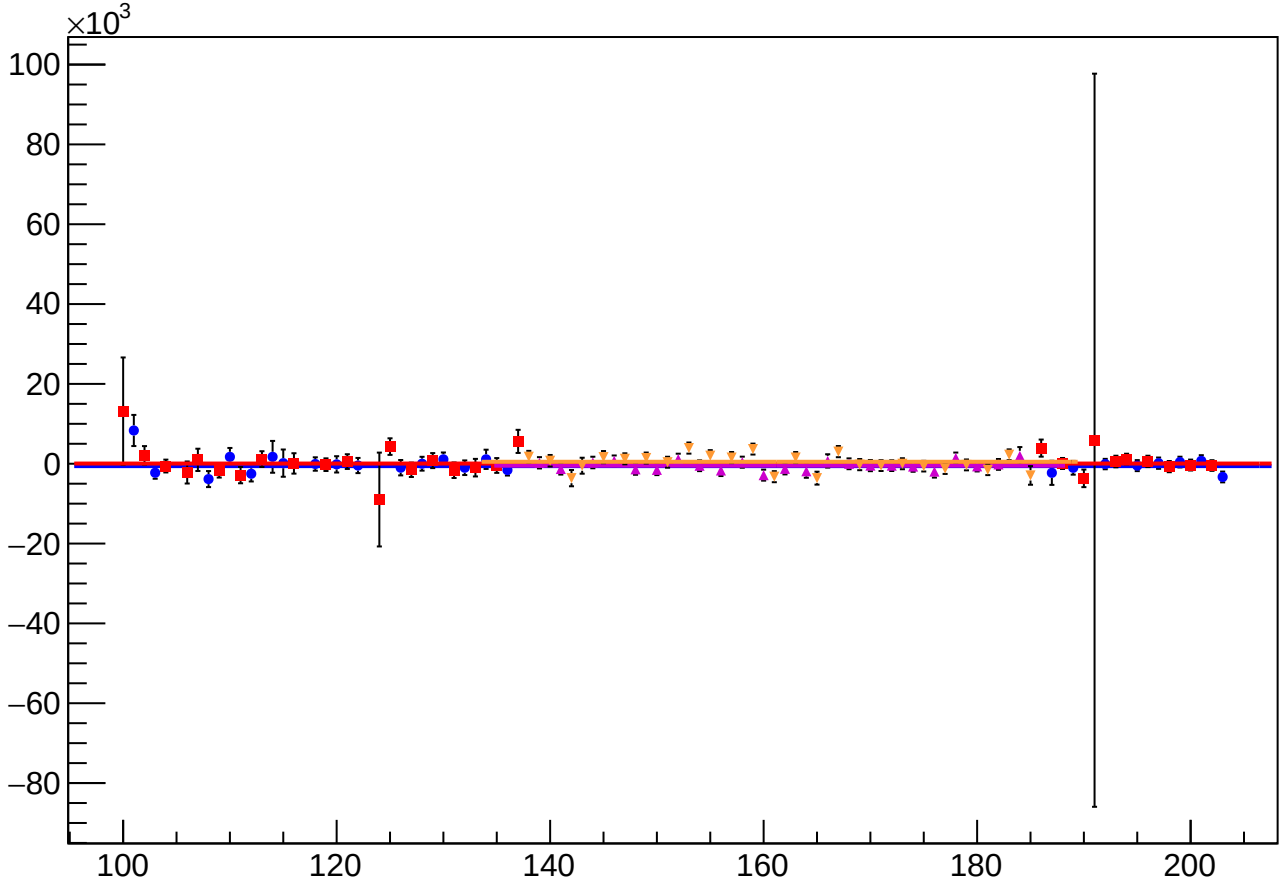
Right: 828.914+/-736.996 χ^2/NDF: 56.6/52

In: 248.198+/-747.587 χ^2/NDF:40.7/46

Out: 476.983+/-654.609 χ^2/NDF:59.6/53

All: 377.695+/-492.490 χ^2/NDF: 100.4/100


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: 3990.167+/-0.801 χ²/NDF: 1429193.0/23
Left Out: 3684.769+/-0.627 χ²/NDF:3693646.6/24
Right Out: 3395.819+/-0.686 χ²/NDF: 4012509.1/28
Left In: 4173.556+/-0.704 χ²/NDF:1274968.4/22
Left: 3900.981+/-0.468 χ²/NDF: 5237573.9/47
Right: 3647.593+/-0.521 χ²/NDF: 5759291.0/52
In: 4093.621+/-0.529 χ²/NDF:2733754.5/46
Out: 3553.377+/-0.463 χ²/NDF:7802777.4/53
All: 3787.832+/-0.348 χ²/NDF: 11127709.5/1



Right In: -598.388+/-357.099 χ^2/NDF: 20.1/23

Left Out: 492.079+/-288.495 χ^2/NDF:46.9/24

Right Out: 45.322+/-347.502 χ^2/NDF: 23.9/28

Left In: -486.720+/-293.769 χ^2/NDF:14.4/22

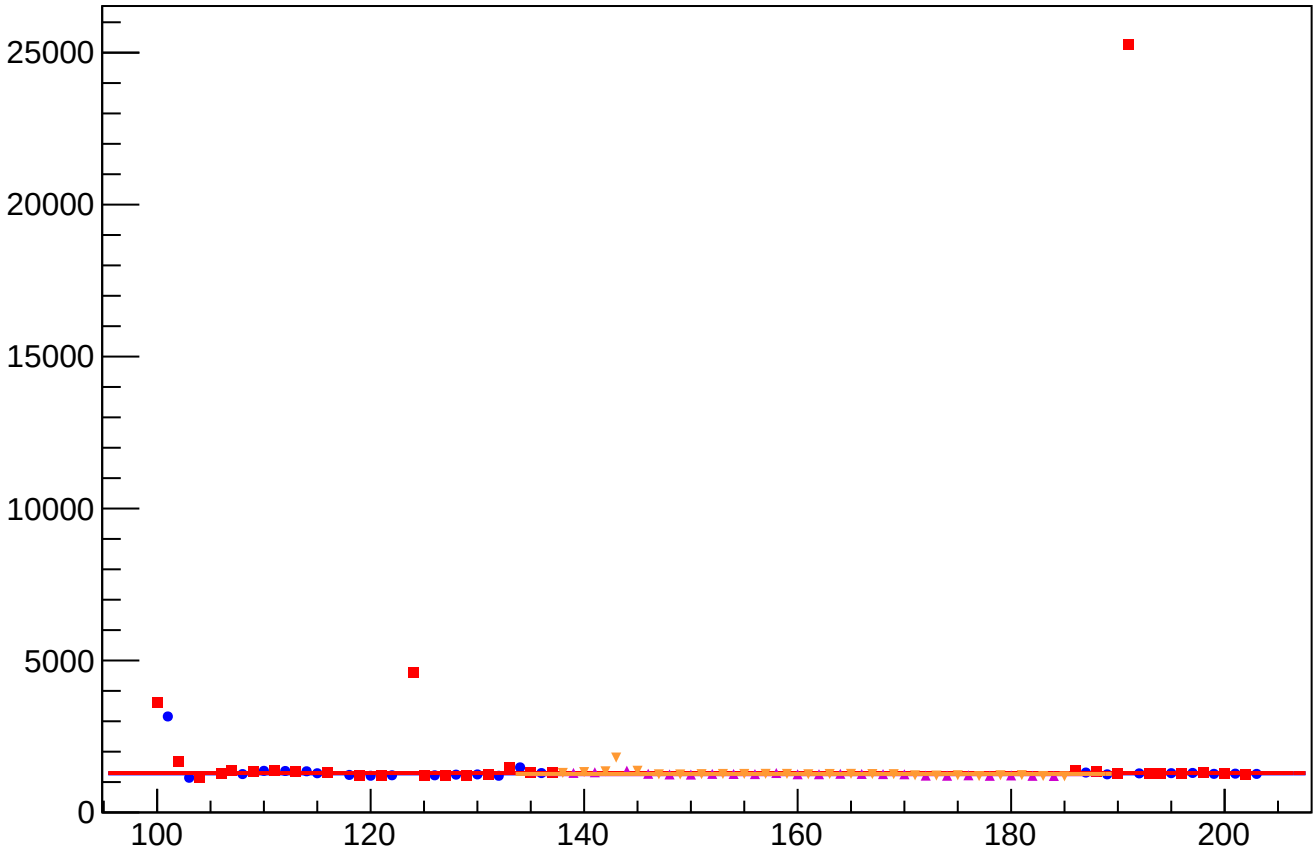
Left: 11.544+/-205.836 χ^2/NDF: 67.0/47

Right: -267.768+/-249.045 χ^2/NDF: 45.8/52

In: -531.791+/-226.866 χ^2/NDF:34.6/46

Out: 309.796+/-221.970 χ^2/NDF:71.8/53

All: -101.818+/-158.659 χ^2/NDF: 113.5/100



Right In: 1285.301+/-0.253 χ^2/NDF: 516527.0/23

Left Out: 1266.968+/-0.204 χ^2/NDF:187545.6/24

Right Out: 1297.580+/-0.245 χ^2/NDF: 474443.2/28

Left In: 1257.551+/-0.208 χ^2/NDF:36816.3/22

Left: 1262.345+/-0.146 χ^2/NDF: 225407.9/47

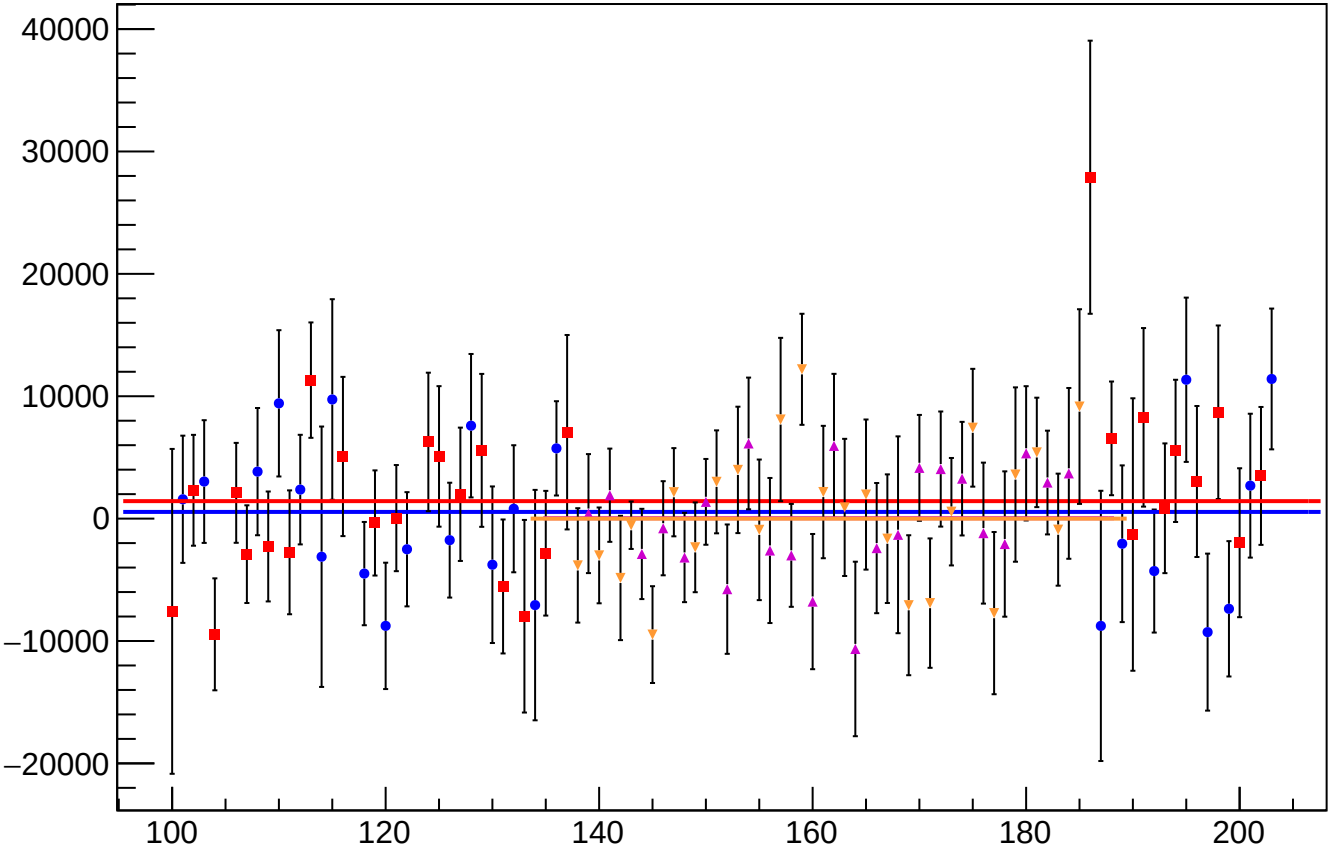
Right: 1291.613+/-0.176 χ^2/NDF: 992186.0/52

In: 1268.751+/-0.160 χ^2/NDF:560545.8/46

Out: 1279.472+/-0.157 χ^2/NDF:671187.0/53

All: 1274.230+/-0.112 χ^2/NDF: 1234015.4/10

asym_atl_dd_atr_dd_avg_cor_correction_mean vs Slug, Sign Corrected



Right In: 547.490+/-1132.064 χ^2/NDF: 26.6/23

Left Out: -0.541+/-886.487 χ^2/NDF:29.1/24

Right Out: 1428.505+/-1017.726 χ^2/NDF: 29.4/28

Left In: 31.597+/-995.347 χ^2/NDF:14.0/22

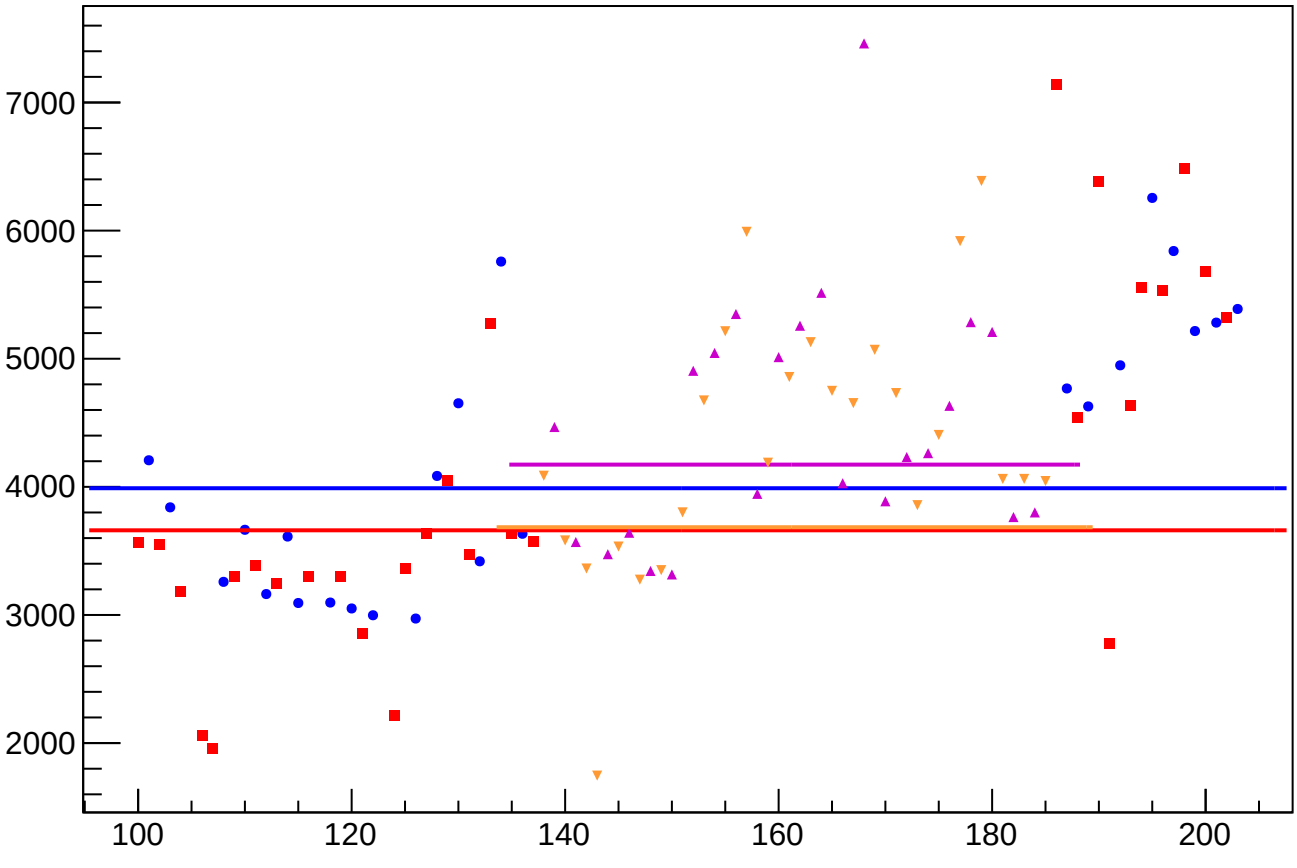
Left: 13.675+/-661.996 χ^2/NDF: 43.1/47

Right: 1034.722+/-756.846 χ^2/NDF: 56.4/52

In: 256.526+/-747.505 χ^2/NDF:40.8/46

Out: 615.957+/-668.457 χ^2/NDF:59.6/53

All: 456.245+/-498.282 χ^2/NDF: 100.5/100



Right In: 3989.258+/-0.800 χ^2/NDF: 1429635.7/23

Left Out: 3684.762+/-0.627 χ^2/NDF:3693687.2/24

Right Out: 3660.780+/-0.720 χ^2/NDF: 2639790.9/28

Left In: 4173.550+/-0.704 χ^2/NDF:1274967.5/22

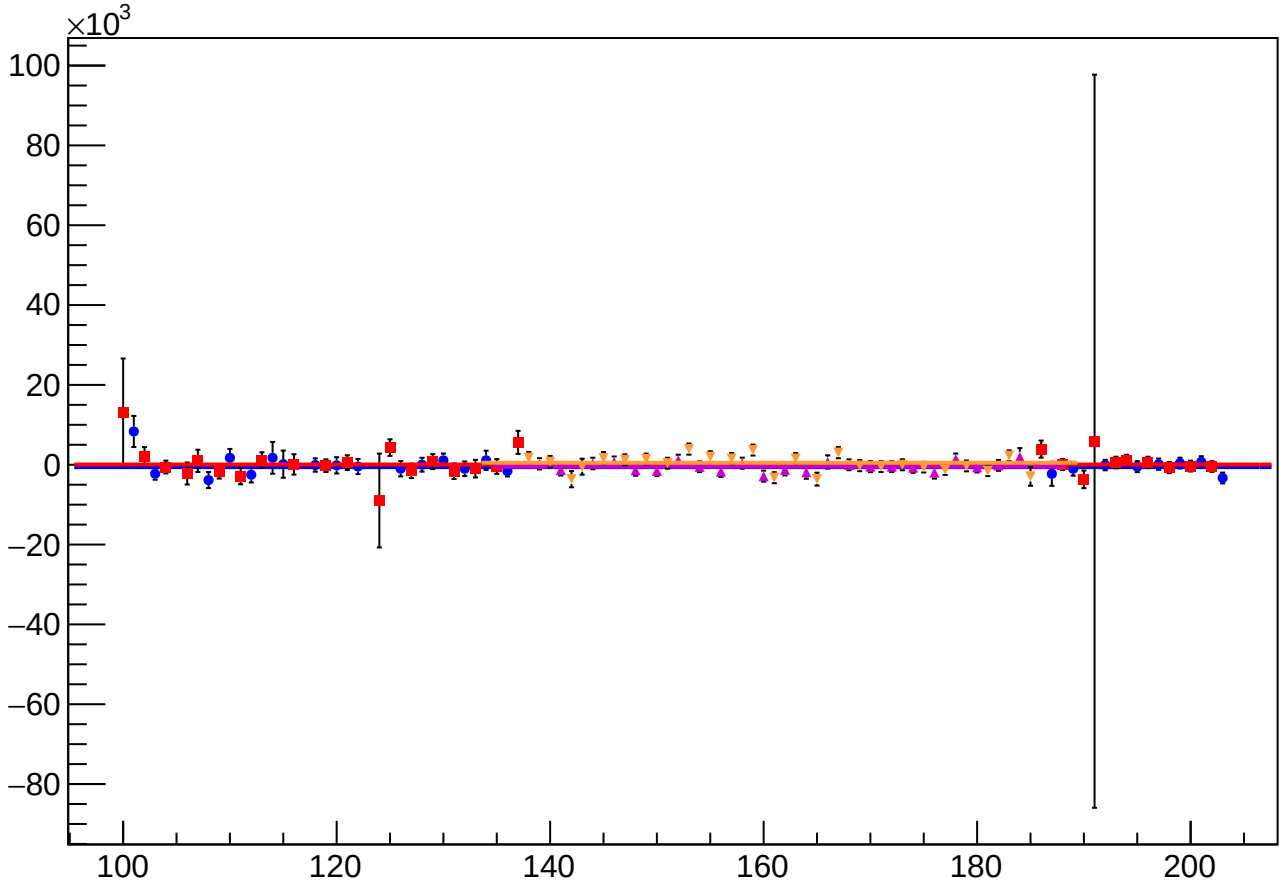
Left: 3900.975+/-0.468 χ^2/NDF: 5237615.0/47

Right: 3807.598+/-0.535 χ^2/NDF: 4162549.4/52

In: 4093.199+/-0.529 χ^2/NDF:2734496.9/46

Out: 3674.416+/-0.473 χ^2/NDF:6334109.6/53

All: 3860.501+/-0.352 χ^2/NDF: 9417412.3/10



Right In: -598.388+/-357.099 χ^2/NDF: 20.1/23

Left Out: 492.079+/-288.495 χ^2/NDF:46.9/24

Right Out: 45.322+/-347.502 χ^2/NDF: 23.9/28

Left In: -486.720+/-293.769 χ^2/NDF:14.4/22

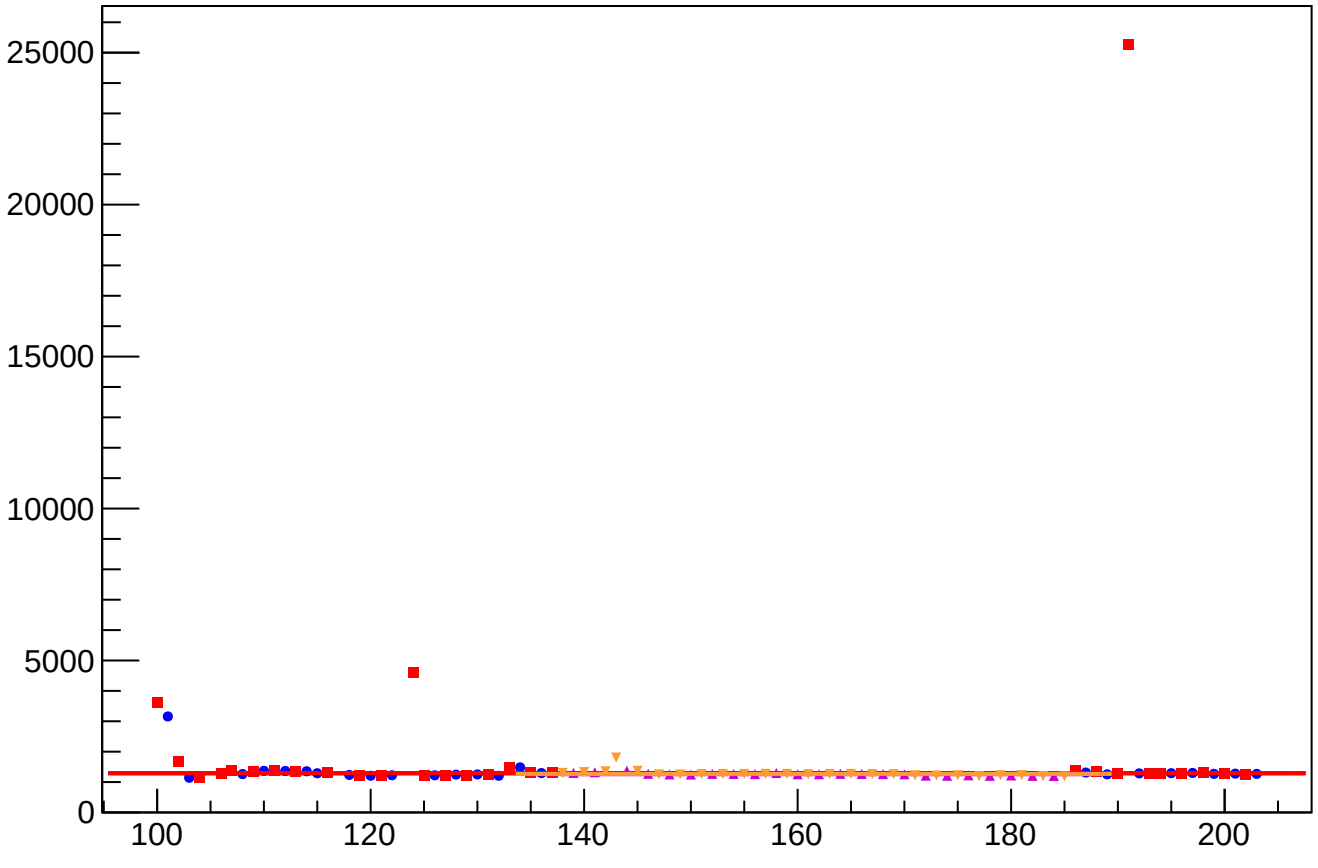
Left: 11.544+/-205.836 χ^2/NDF: 67.0/47

Right: -267.768+/-249.045 χ^2/NDF: 45.8/52

In: -531.791+/-226.866 χ^2/NDF:34.6/46

Out: 309.796+/-221.970 χ^2/NDF:71.8/53

All: -101.818+/-158.659 χ^2/NDF: 113.5/100



Right In: 1285.301+/-0.253 χ^2/NDF: 516527.0/23

Left Out: 1266.968+/-0.204 χ^2/NDF:187545.6/24

Right Out: 1297.580+/-0.245 χ^2/NDF: 474443.2/28

Left In: 1257.551+/-0.208 χ^2/NDF:36816.3/22

Left: 1262.345+/-0.146 χ^2/NDF: 225407.9/47

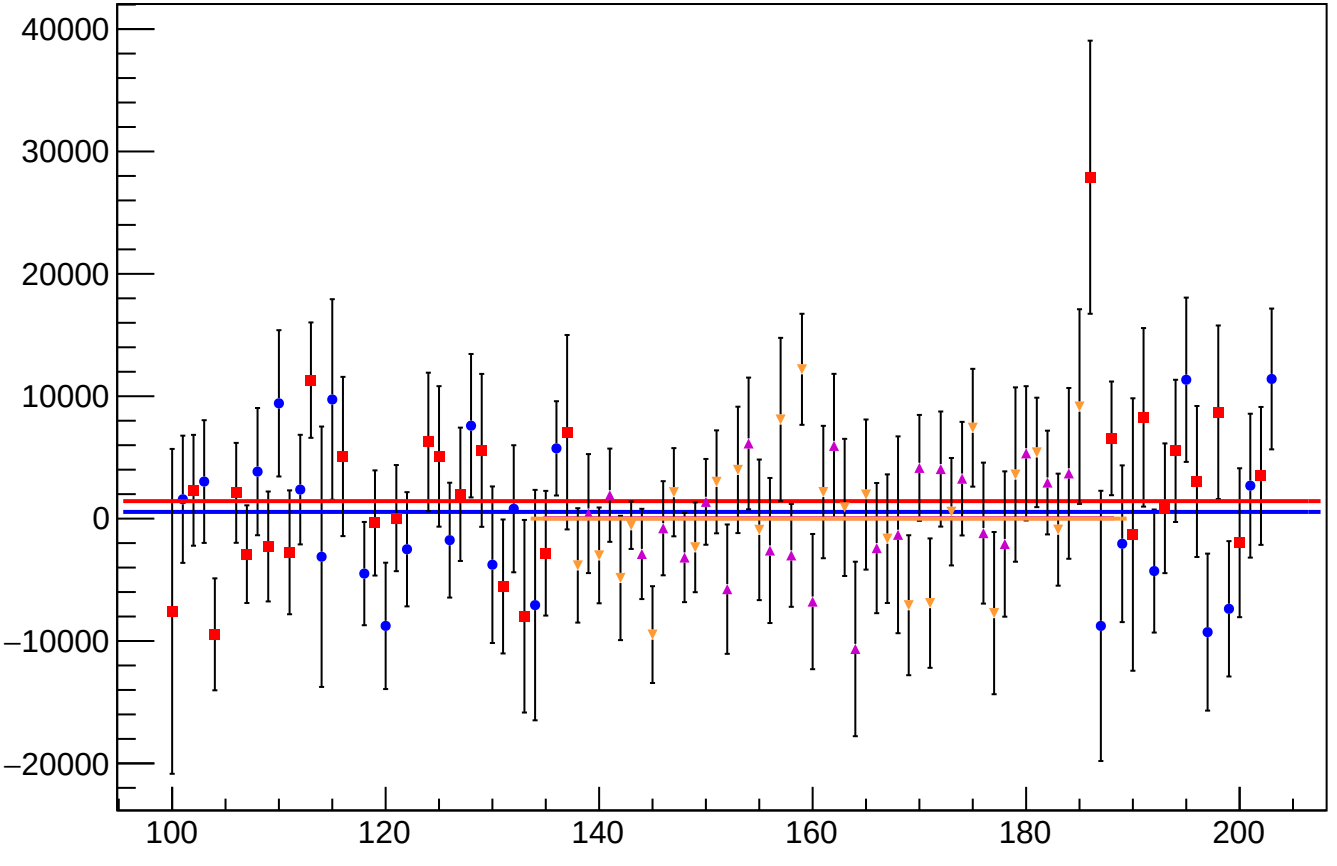
Right: 1291.613+/-0.176 χ^2/NDF: 992186.0/52

In: 1268.751+/-0.160 χ^2/NDF:560545.8/46

Out: 1279.472+/-0.157 χ^2/NDF:671187.0/53

All: 1274.230+/-0.112 χ^2/NDF: 1234015.4/10

asym_atl_dd_atr_dd_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: 547.490+/-1132.064 χ^2/NDF: 26.6/23

Left Out: -0.541+/-886.487 χ^2/NDF:29.1/24

Right Out: 1428.505+/-1017.726 χ^2/NDF: 29.4/28

Left In: 31.597+/-995.347 χ^2/NDF:14.0/22

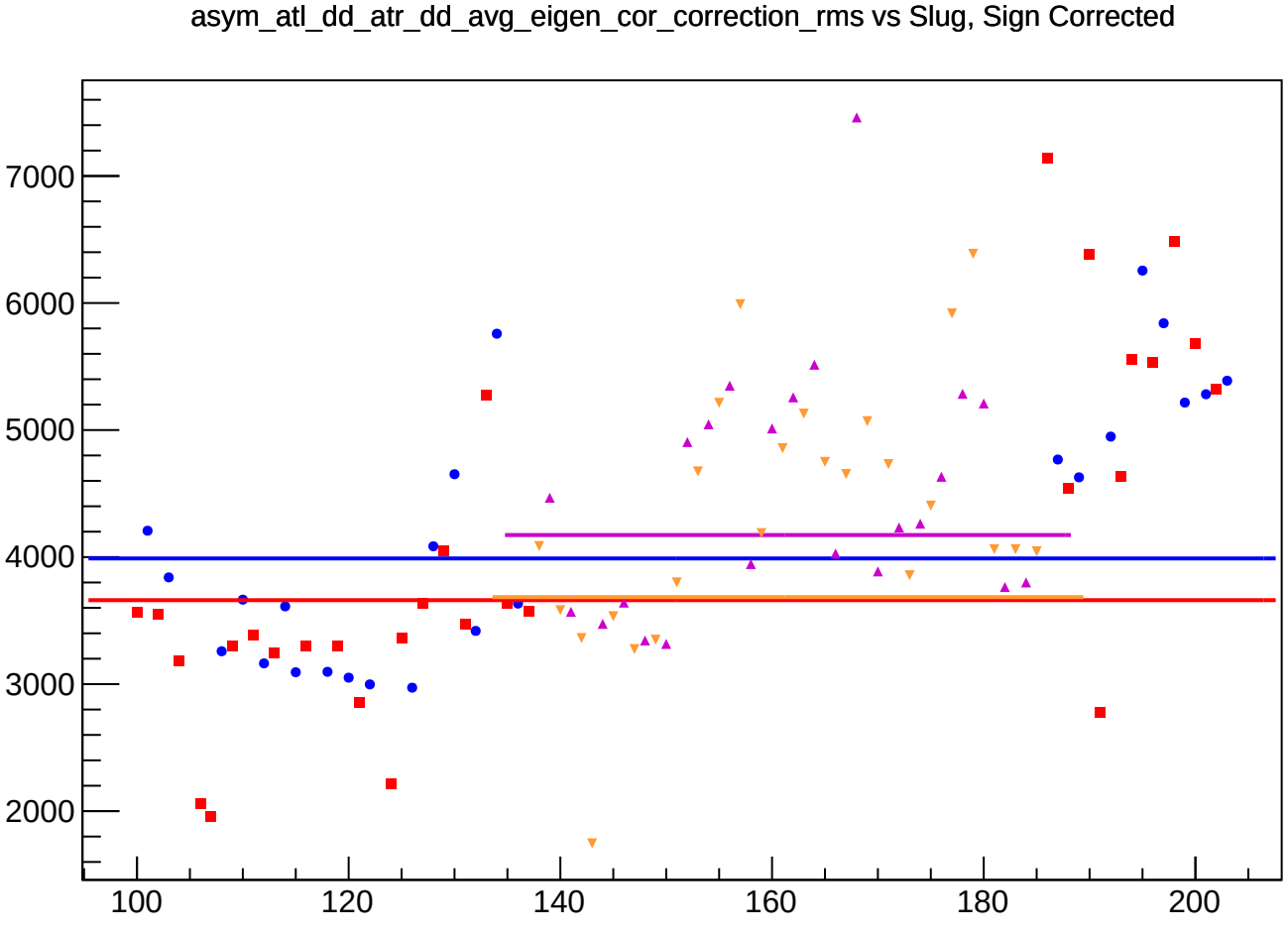
Left: 13.675+/-661.996 χ^2/NDF: 43.1/47

Right: 1034.722+/-756.846 χ^2/NDF: 56.4/52

In: 256.526+/-747.505 χ^2/NDF:40.8/46

Out: 615.957+/-668.457 χ^2/NDF:59.6/53

All: 456.245+/-498.282 χ^2/NDF: 100.5/100



Right In: 3989.258+/-0.800 χ^2/NDF: 1429635.7/23

Left Out: 3684.762+/-0.627 χ^2/NDF:3693687.2/24

Right Out: 3660.780+/-0.720 χ^2/NDF: 2639790.9/28

Left In: 4173.550+/-0.704 χ^2/NDF:1274967.5/22

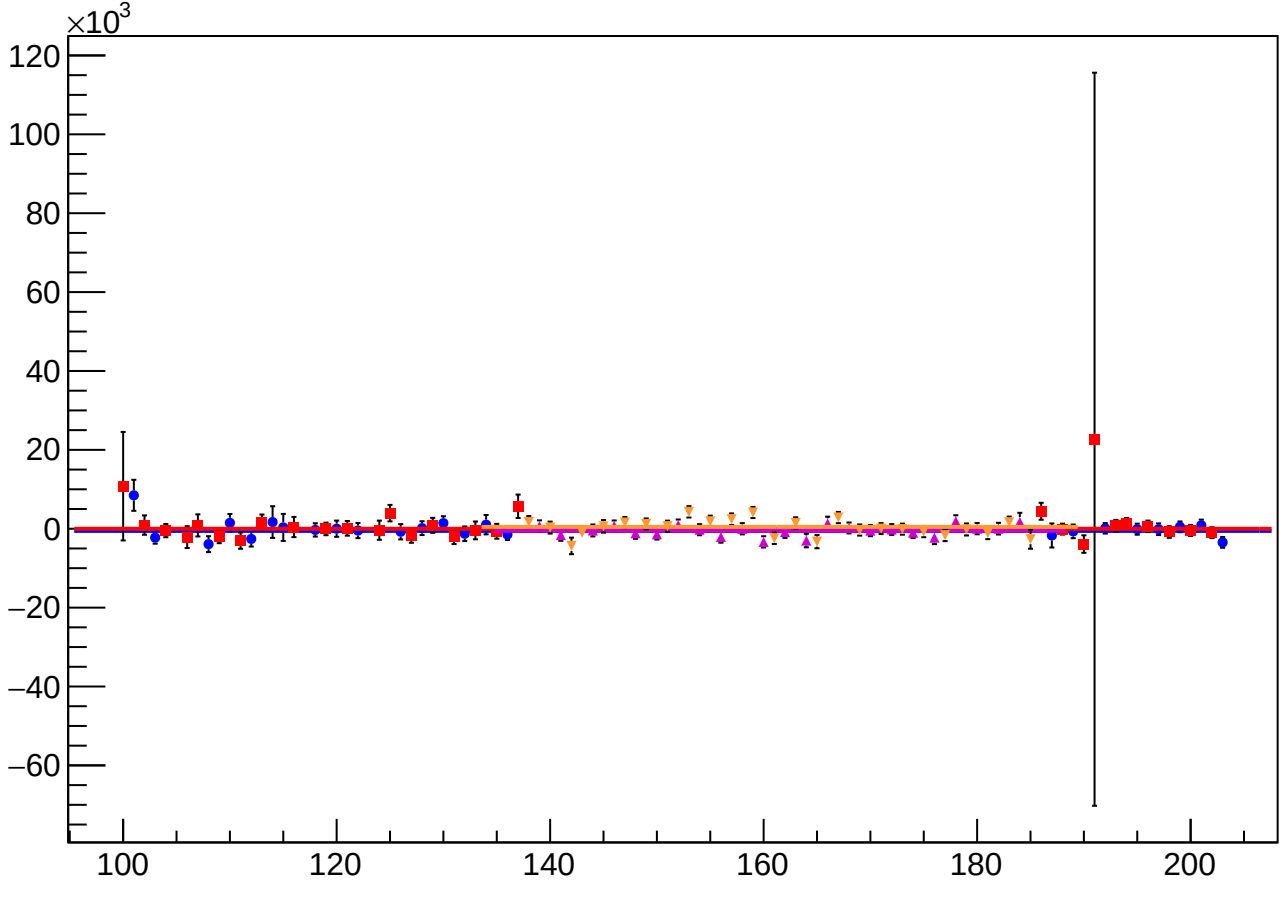
Left: 3900.975+/-0.468 χ^2/NDF: 5237615.0/47

Right: 3807.598+/-0.535 χ^2/NDF: 4162549.4/52

In: 4093.199+/-0.529 χ^2/NDF:2734496.9/46

Out: 3674.416+/-0.473 χ^2/NDF:6334109.6/53

All: 3860.501+/-0.352 χ^2/NDF: 9417412.3/10



Right In: -539.414+/-362.408 χ^2/NDF: 20.7/23

Left Out: 467.929+/-294.257 χ^2/NDF:44.1/24

Right Out: -10.934+/-349.986 χ^2/NDF: 24.7/28

Left In: -503.558+/-307.055 χ^2/NDF:17.4/22

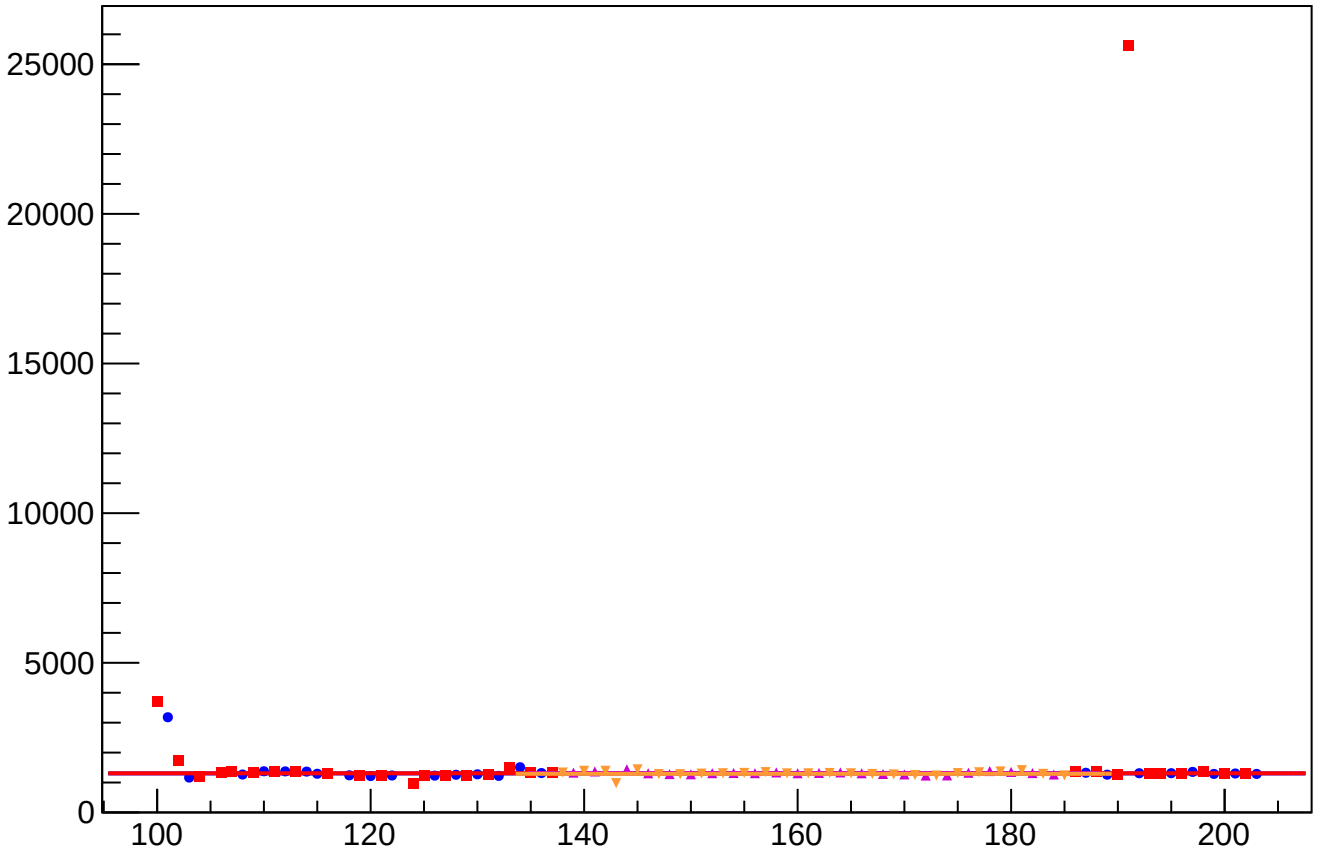
Left: 2.853+/-212.452 χ^2/NDF: 66.7/47

Right: -265.962+/-251.755 χ^2/NDF: 46.5/52

In: -518.542+/-234.274 χ^2/NDF:38.1/46

Out: 269.613+/-225.229 χ^2/NDF:69.9/53

All: -108.957+/-162.364 χ^2/NDF: 113.9/100



Right In: 1304.314+/-0.256 χ^2/NDF: 514914.1/23

Left Out: 1291.211+/-0.208 χ^2/NDF:230735.1/24

Right Out: 1308.723+/-0.247 χ^2/NDF: 363342.3/28

Left In: 1314.006+/-0.217 χ^2/NDF:43044.7/22

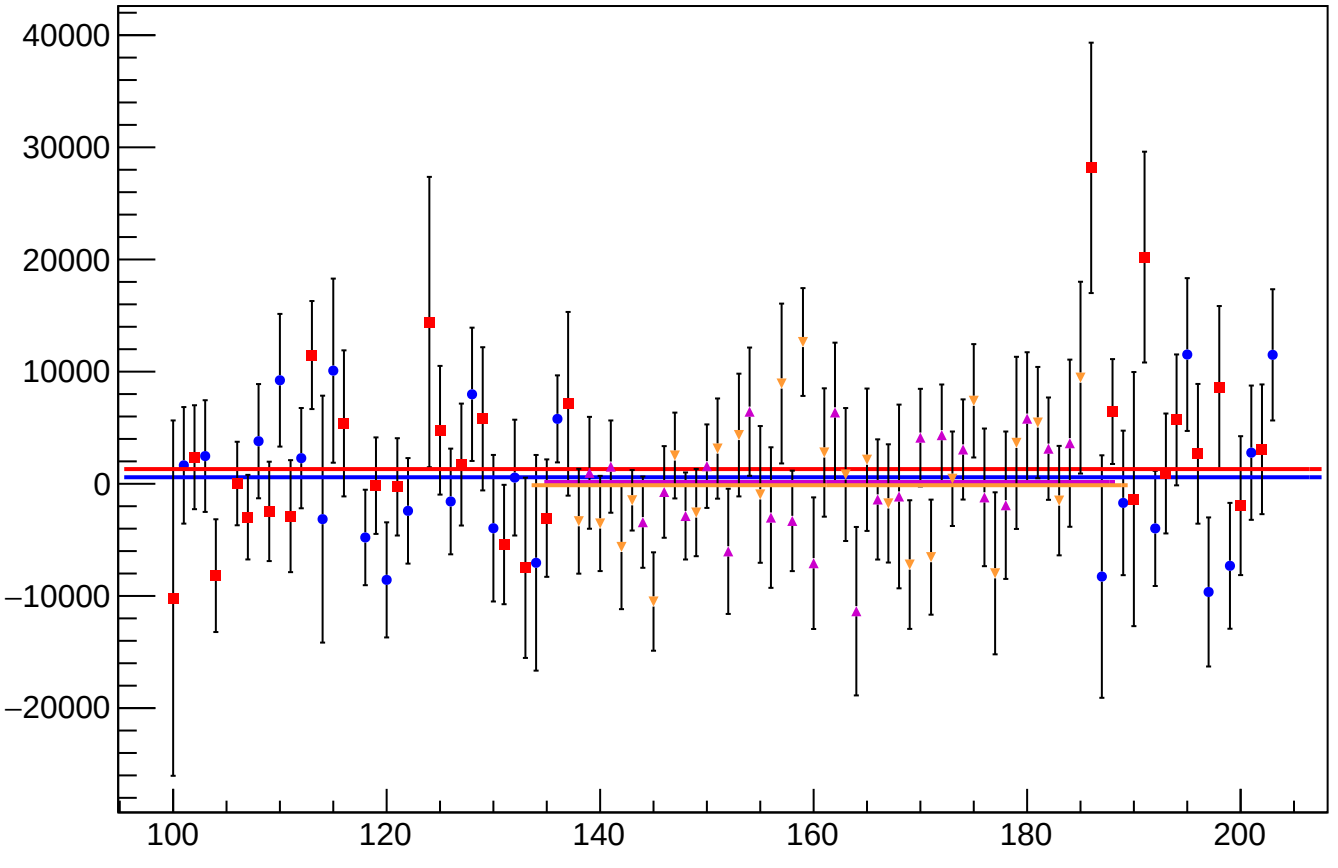
Left: 1302.123+/-0.150 χ^2/NDF: 279525.5/47

Right: 1306.596+/-0.178 χ^2/NDF: 878409.6/52

In: 1309.956+/-0.166 χ^2/NDF:558791.4/46

Out: 1298.467+/-0.159 χ^2/NDF:597012.5/53

All: 1303.984+/-0.115 χ^2/NDF: 1158304.0/10



Right In: 583.551+/-1138.726 χ^2/NDF: 26.3/23

Left Out: -127.273+/-977.231 χ^2/NDF:28.6/24

Right Out: 1312.194+/-1035.746 χ^2/NDF: 31.0/28

Left In: 159.452+/-1045.510 χ^2/NDF:13.8/22

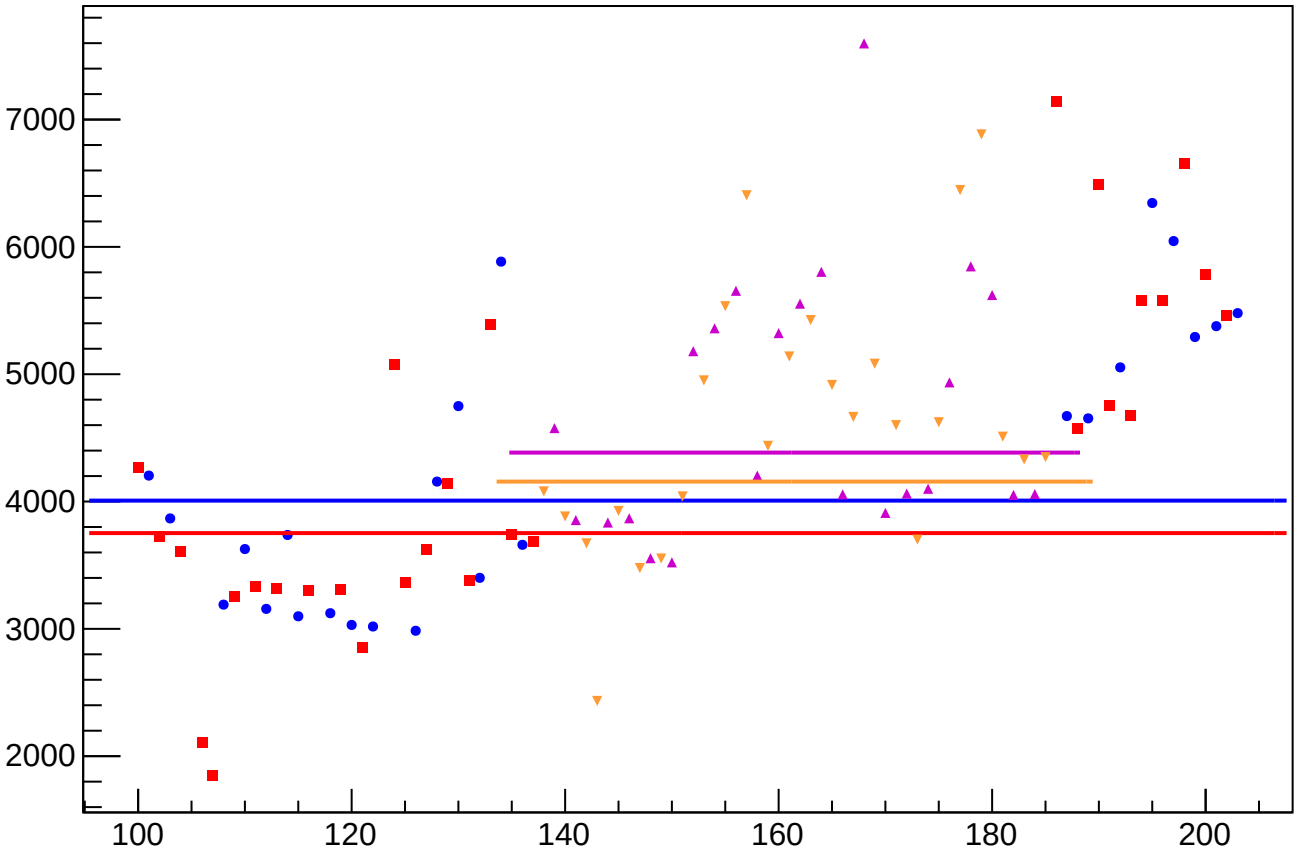
Left: 6.422+/-713.925 χ^2/NDF: 42.4/47

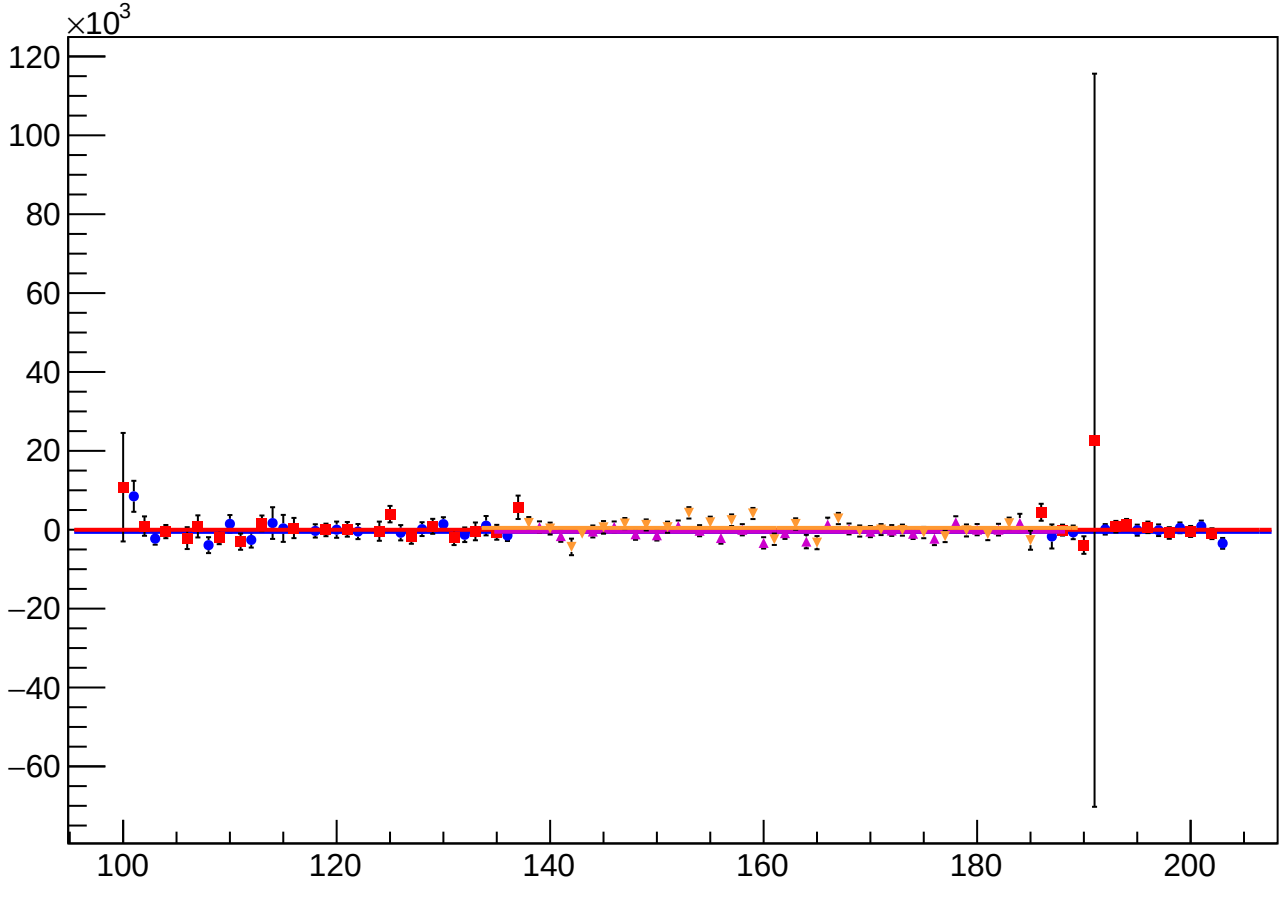
Right: 982.303+/-766.209 χ^2/NDF: 57.6/52

In: 353.436+/-770.136 χ^2/NDF:40.2/46

Out: 550.652+/-710.793 χ^2/NDF:60.6/53

All: 459.934+/-522.328 χ^2/NDF: 100.8/100


asym_atl_dd_atr_dd_avg_dit_correction_rms vs Slug, Sign Corrected
7000
6000
5000
4000
3000
2000
100
120
140
160
180
200
Right In: 4007.247+/-0.805 χ²/NDF: 1521072.4/23
Left Out: 4156.582+/-0.691 χ²/NDF:2080766.1/24
Right Out: 3752.152+/-0.732 χ²/NDF: 2726333.6/28
Left In: 4384.323+/-0.739 χ²/NDF:1255470.8/22
Left: 4262.773+/-0.505 χ²/NDF: 3386885.6/47
Right: 3867.646+/-0.542 χ²/NDF: 4302332.4/52
In: 4211.848+/-0.545 χ²/NDF:2895538.2/46
Out: 3966.113+/-0.503 χ²/NDF:4968424.5/53
All: 4079.149+/-0.369 χ²/NDF: 7973920.5/10



Right In: -539.413+/-362.408 χ^2/NDF: 20.7/23

Left Out: 467.933+/-294.257 χ^2/NDF:44.1/24

Right Out: -10.937+/-349.986 χ^2/NDF: 24.7/28

Left In: -503.558+/-307.056 χ^2/NDF:17.4/22

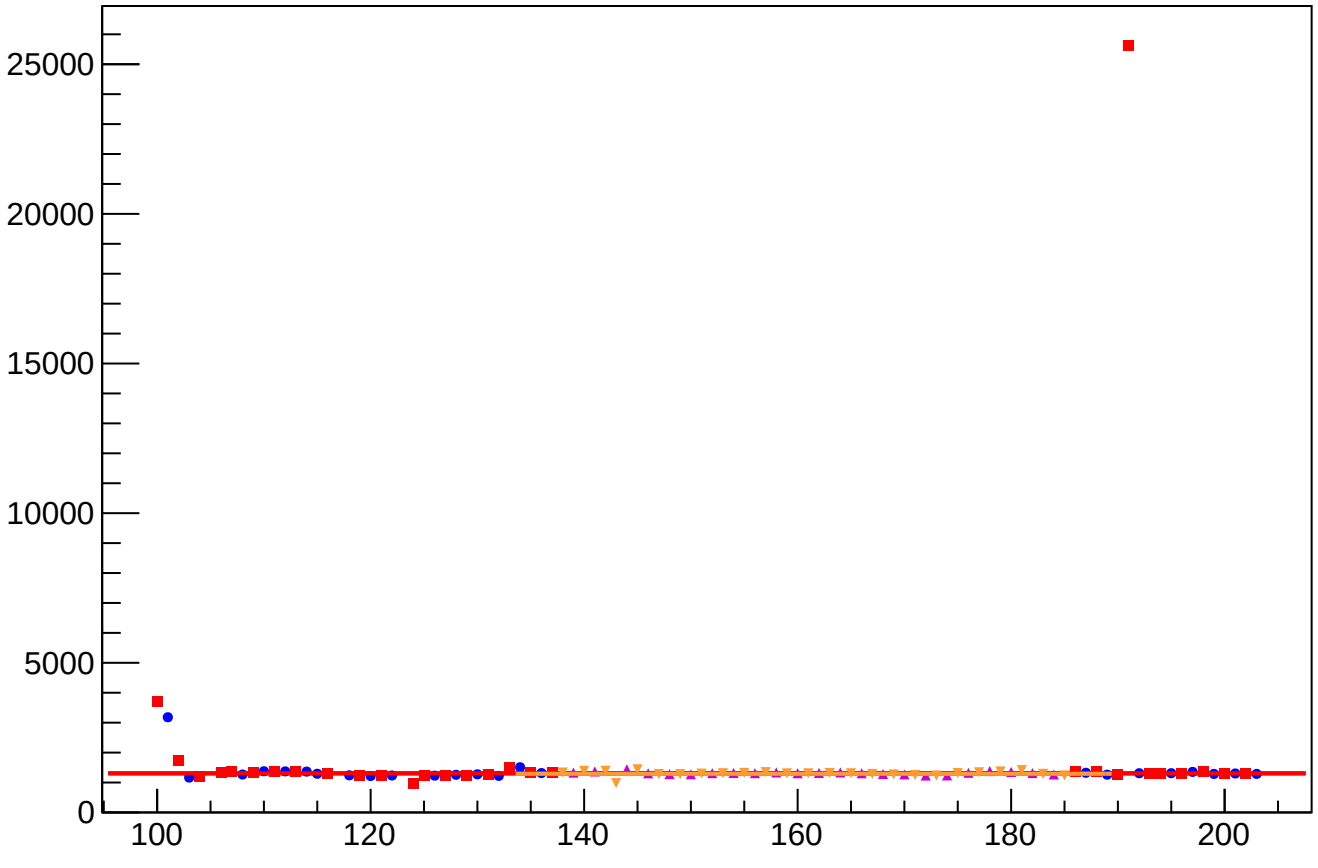
Left: 2.855+/-212.452 χ^2/NDF: 66.7/47

Right: -265.962+/-251.755 χ^2/NDF: 46.5/52

In: -518.541+/-234.274 χ^2/NDF:38.1/46

Out: 269.614+/-225.229 χ^2/NDF:69.9/53

All: -108.956+/-162.364 χ^2/NDF: 113.9/100



Right In: 1304.314+/-0.256 χ^2/NDF: 514914.3/23

Left Out: 1291.212+/-0.208 χ^2/NDF:230737.6/24

Right Out: 1308.723+/-0.247 χ^2/NDF: 363342.6/28

Left In: 1314.007+/-0.217 χ^2/NDF:43046.8/22

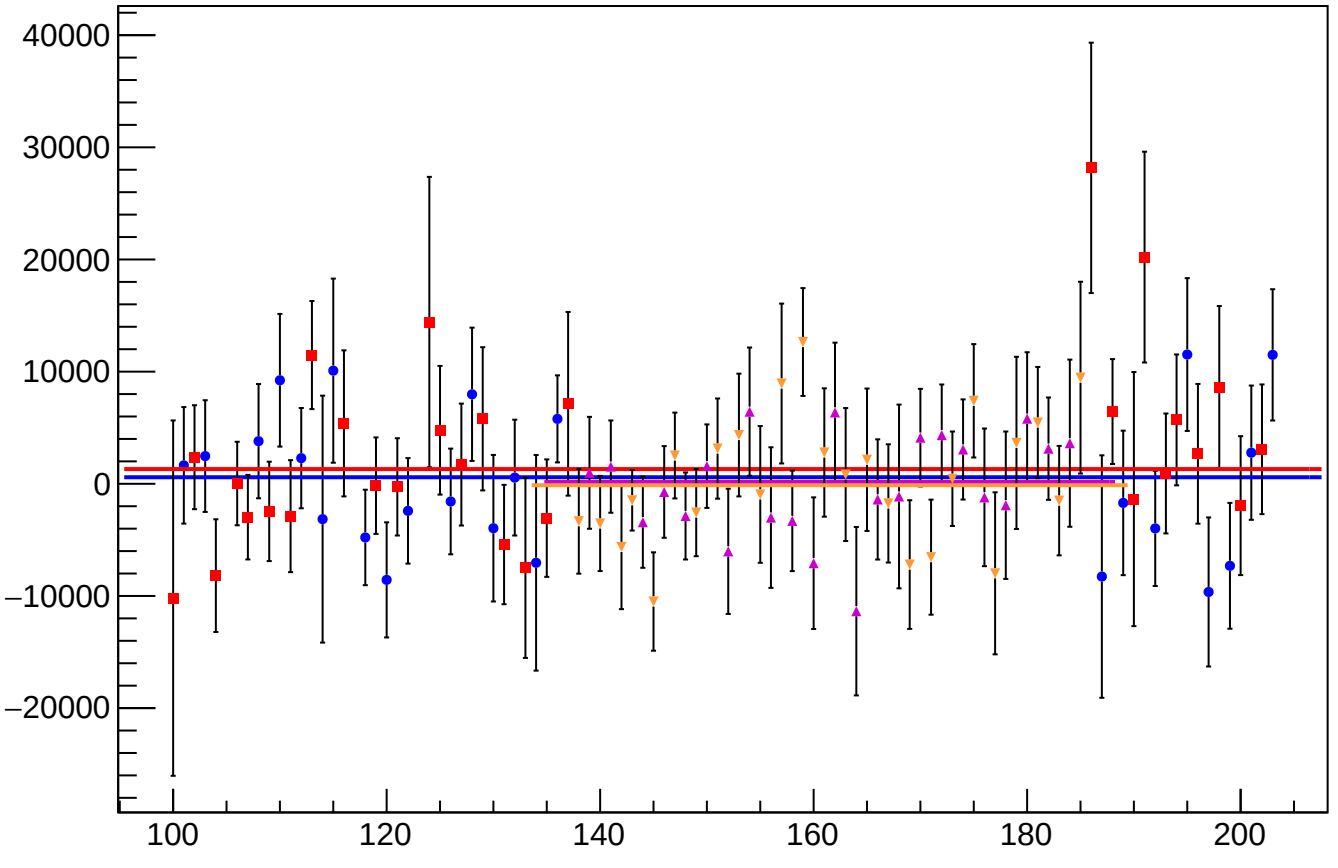
Left: 1302.125+/-0.150 χ^2/NDF: 279530.2/47

Right: 1306.597+/-0.178 χ^2/NDF: 878410.1/52

In: 1309.957+/-0.166 χ^2/NDF:558793.9/46

Out: 1298.467+/-0.159 χ^2/NDF:597014.9/53

All: 1303.985+/-0.115 χ^2/NDF: 1158309.0/10



Right In: 583.543+/-1138.724 χ^2/NDF: 26.3/23

Left Out: -127.271+/-977.232 χ^2/NDF:28.6/24

Right Out: 1312.187+/-1035.745 χ^2/NDF: 31.0/28

Left In: 159.454+/-1045.511 χ^2/NDF:13.8/22

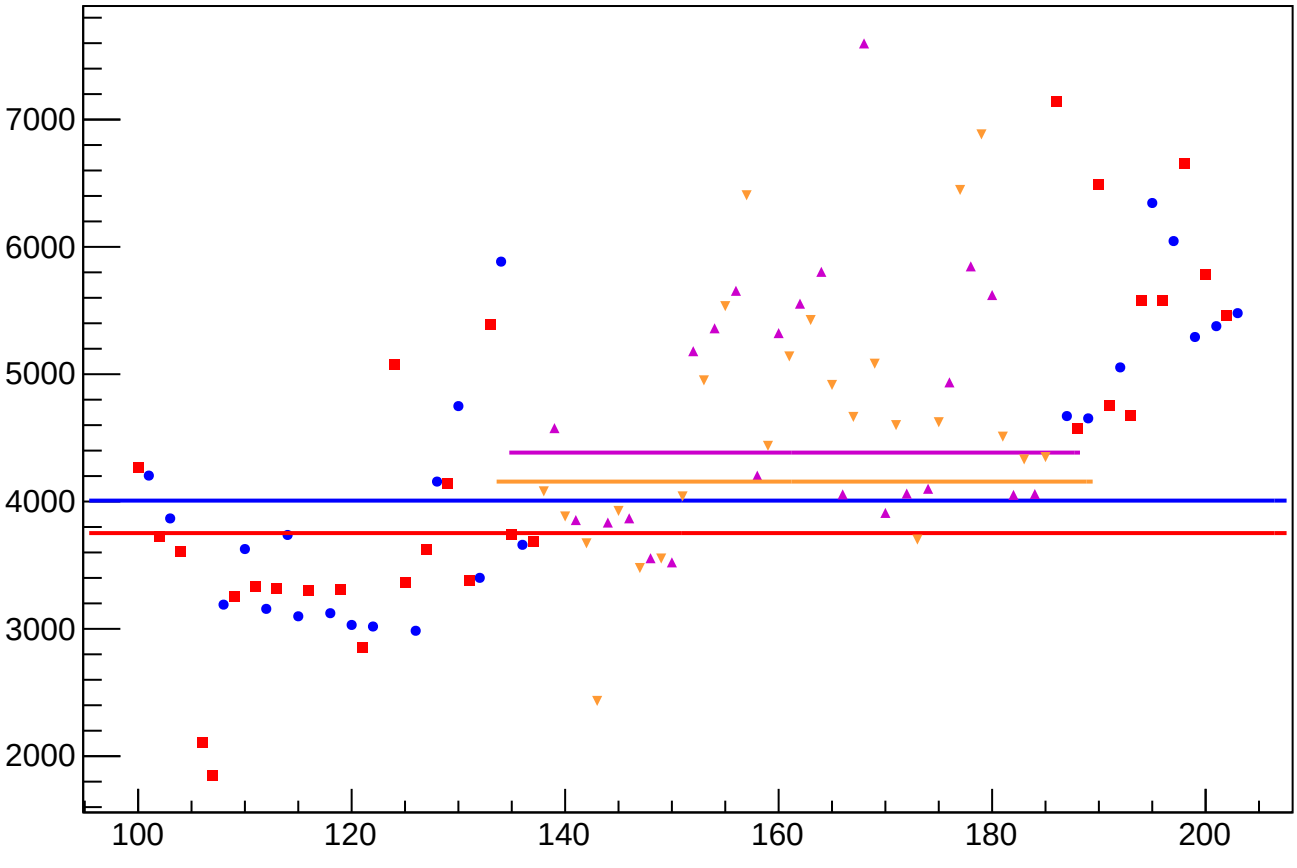
Left: 6.424+/-713.926 χ^2/NDF: 42.4/47

Right: 982.295+/-766.208 χ^2/NDF: 57.6/52

In: 353.433+/-770.137 χ^2/NDF:40.2/46

Out: 550.652+/-710.793 χ^2/NDF:60.6/53

All: 459.933+/-522.328 χ^2/NDF: 100.8/100



Right In: 4007.239+/-0.805 χ^2/NDF: 1521095.9/23

Left Out: 4156.588+/-0.691 χ^2/NDF:2080769.0/24

Right Out: 3752.145+/-0.732 χ^2/NDF: 2726354.9/28

Left In: 4384.329+/-0.739 χ^2/NDF:1255475.0/22

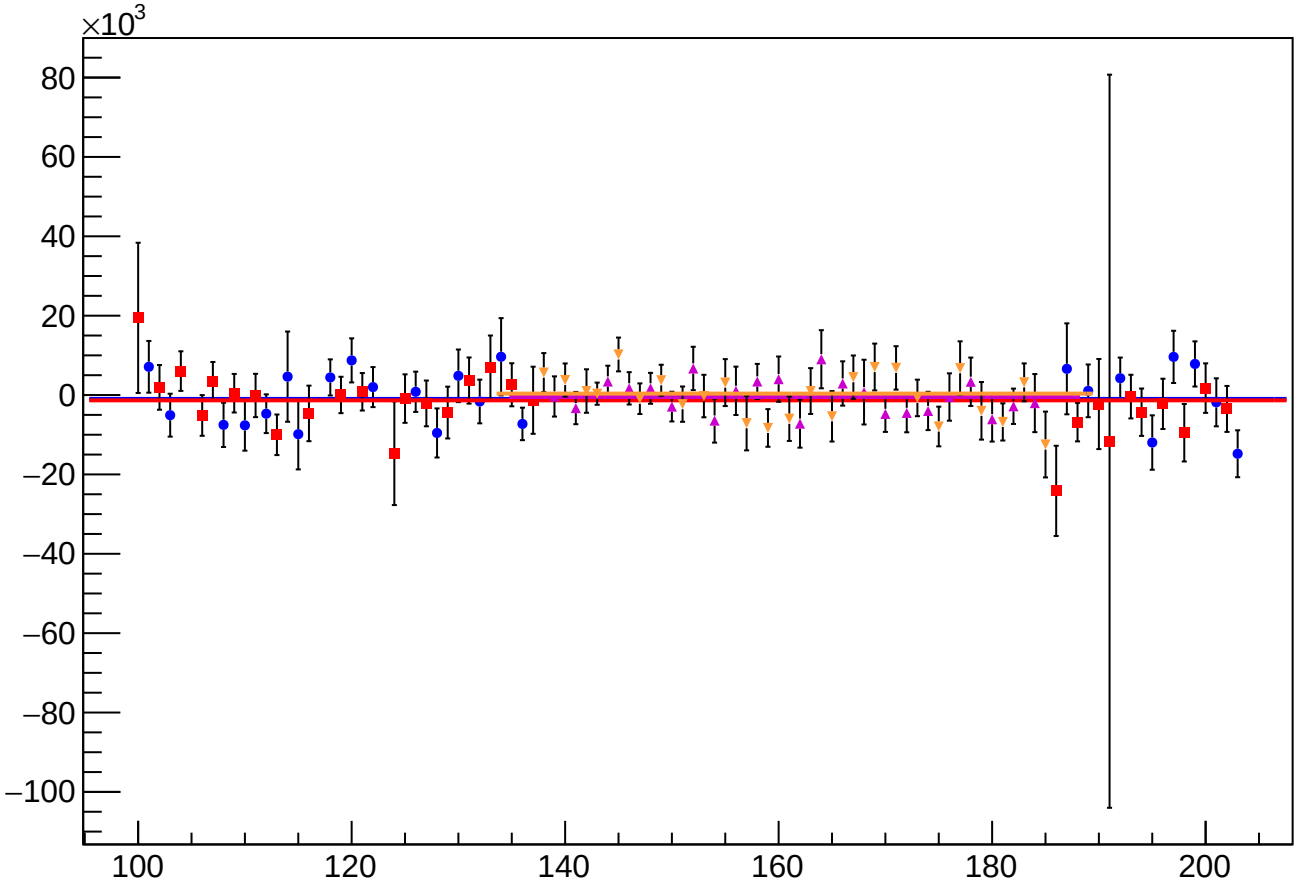
Left: 4262.780+/-0.505 χ^2/NDF: 3386892.6/47

Right: 3867.638+/-0.542 χ^2/NDF: 4302377.2/52

In: 4211.848+/-0.545 χ^2/NDF:2895574.8/46

Out: 3966.113+/-0.503 χ^2/NDF:4968459.5/53

All: 4079.149+/-0.369 χ^2/NDF: 7973992.3/10



Right In: -977.578+/-1206.984 χ^2/NDF: 32.2/23

Left Out: 362.528+/-979.860 χ^2/NDF:27.7/24

Right Out: -1332.758+/-1133.113 χ^2/NDF: 19.6/28

Left In: -497.522+/-1044.707 χ^2/NDF:13.9/22

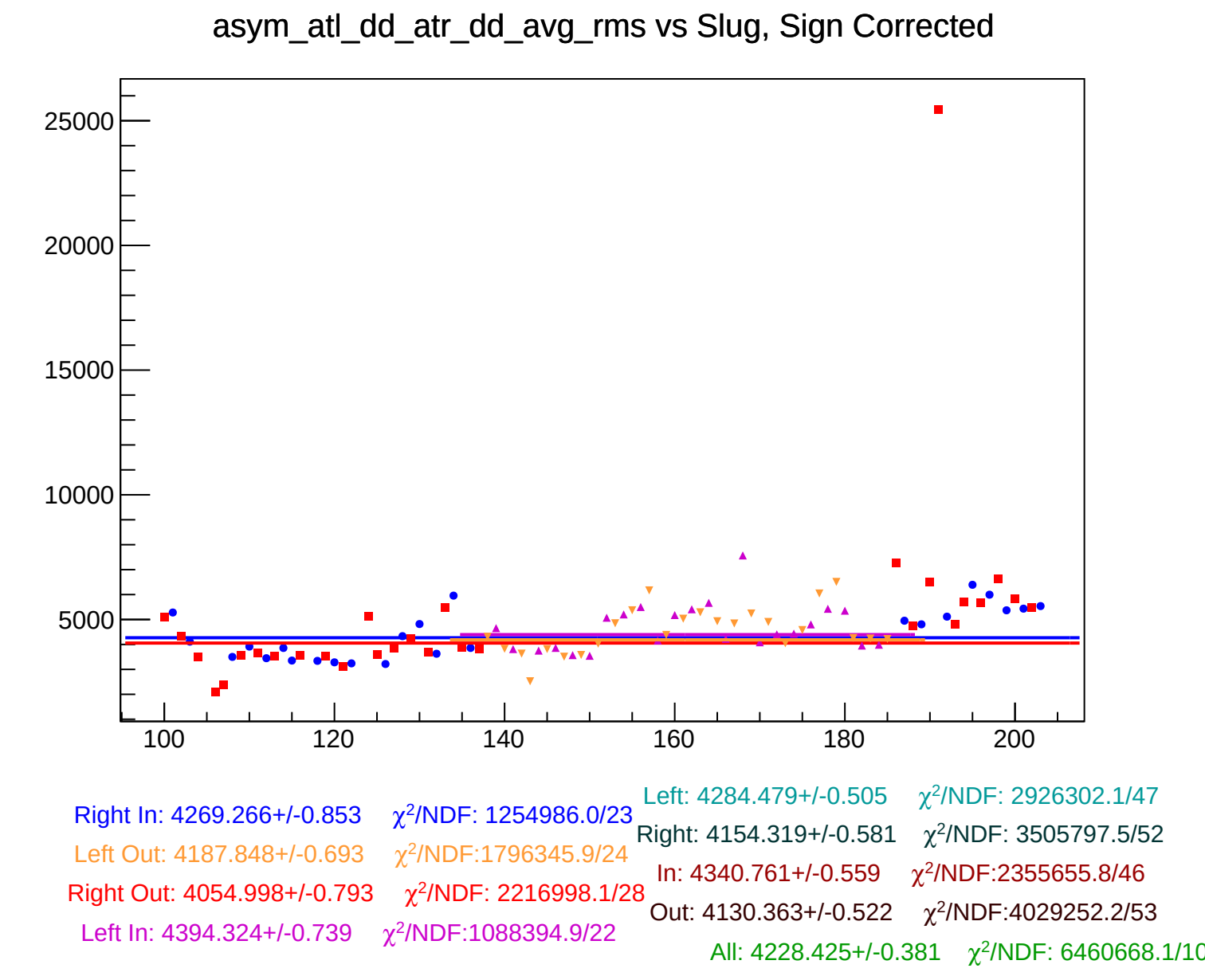
Left: -39.978+/-714.692 χ^2/NDF: 41.9/47

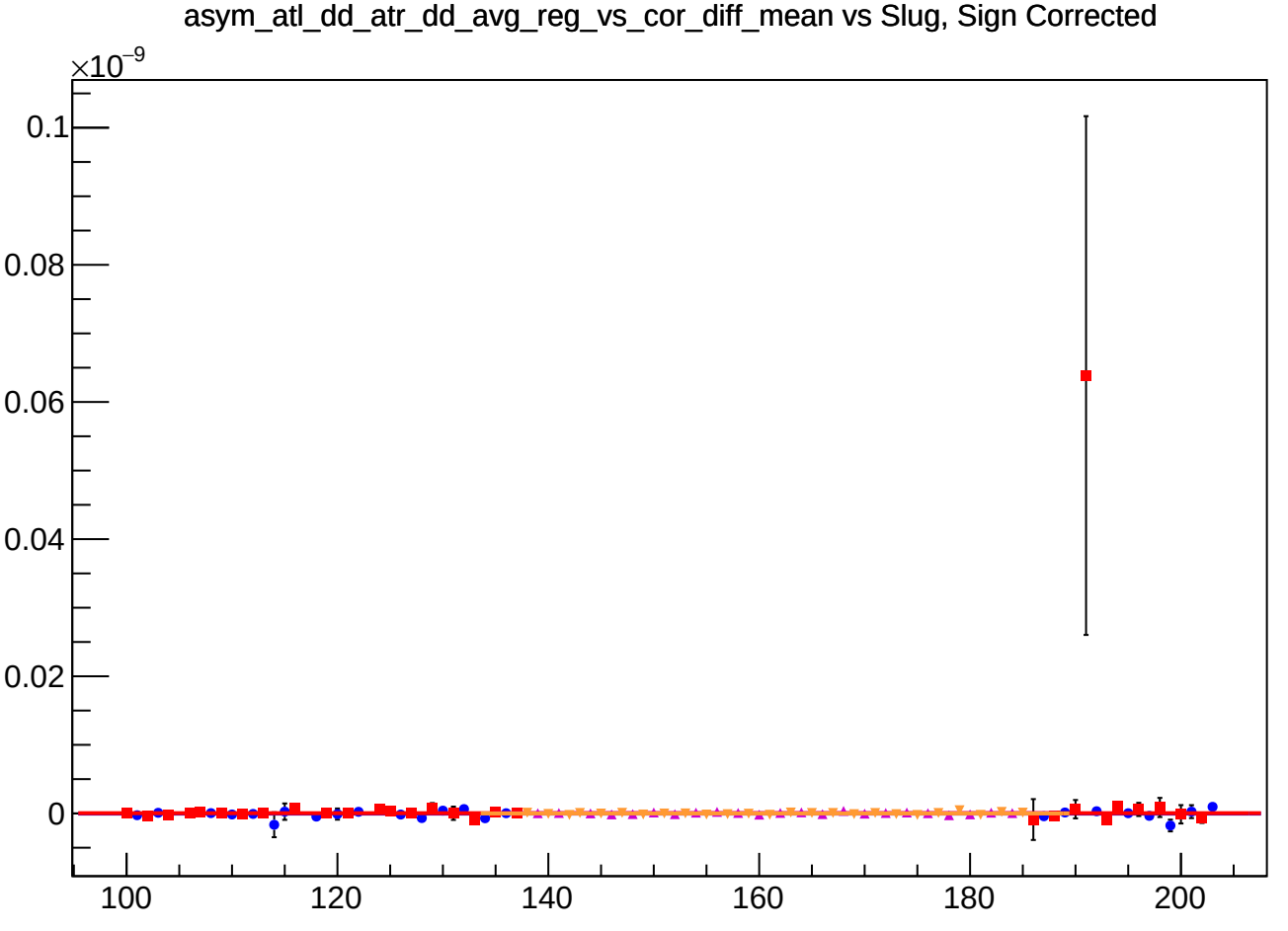
Right: -1166.369+/-826.113 χ^2/NDF: 51.9/52

In: -703.132+/-789.909 χ^2/NDF:46.2/46

Out: -362.801+/-741.172 χ^2/NDF:48.6/53

All: -522.144+/-540.497 χ^2/NDF: 94.9/100


asym_atl_dd_atr_dd_avg_rms vs Slug, Sign Corrected
25000
20000
15000
10000
5000
100
120
140
160
180
200
Right In: 4269.266+/-0.853 χ²/NDF: 1254986.0/23
Left Out: 4187.848+/-0.693 χ²/NDF:1796345.9/24
Right Out: 4054.998+/-0.793 χ²/NDF: 2216998.1/28
Left In: 4394.324+/-0.739 χ²/NDF:1088394.9/22
Left: 4284.479+/-0.505 χ²/NDF: 2926302.1/47
Right: 4154.319+/-0.581 χ²/NDF: 3505797.5/52
In: 4340.761+/-0.559 χ²/NDF:2355655.8/46
Out: 4130.363+/-0.522 χ²/NDF:4029252.2/53
All: 4228.425+/-0.381 χ²/NDF: 6460668.1/10



Right In: -0.000+/-0.000 χ^2/NDF: 27.8/23

Left Out: -0.000+/-0.000 χ^2/NDF:30.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 27.3/28

Left In: 0.000+/-0.000 χ^2/NDF:17.0/22

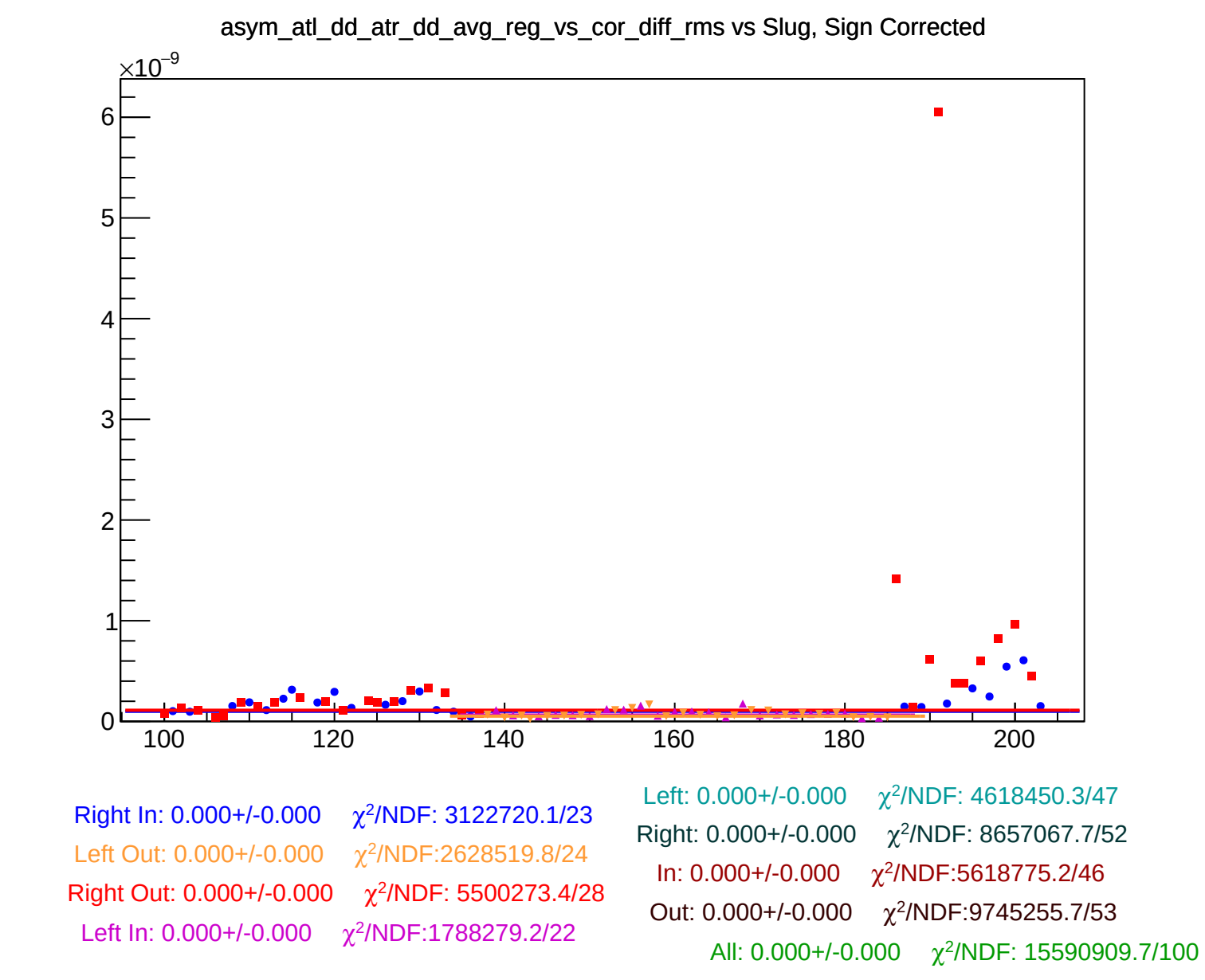
Left: 0.000+/-0.000 χ^2/NDF: 48.0/47

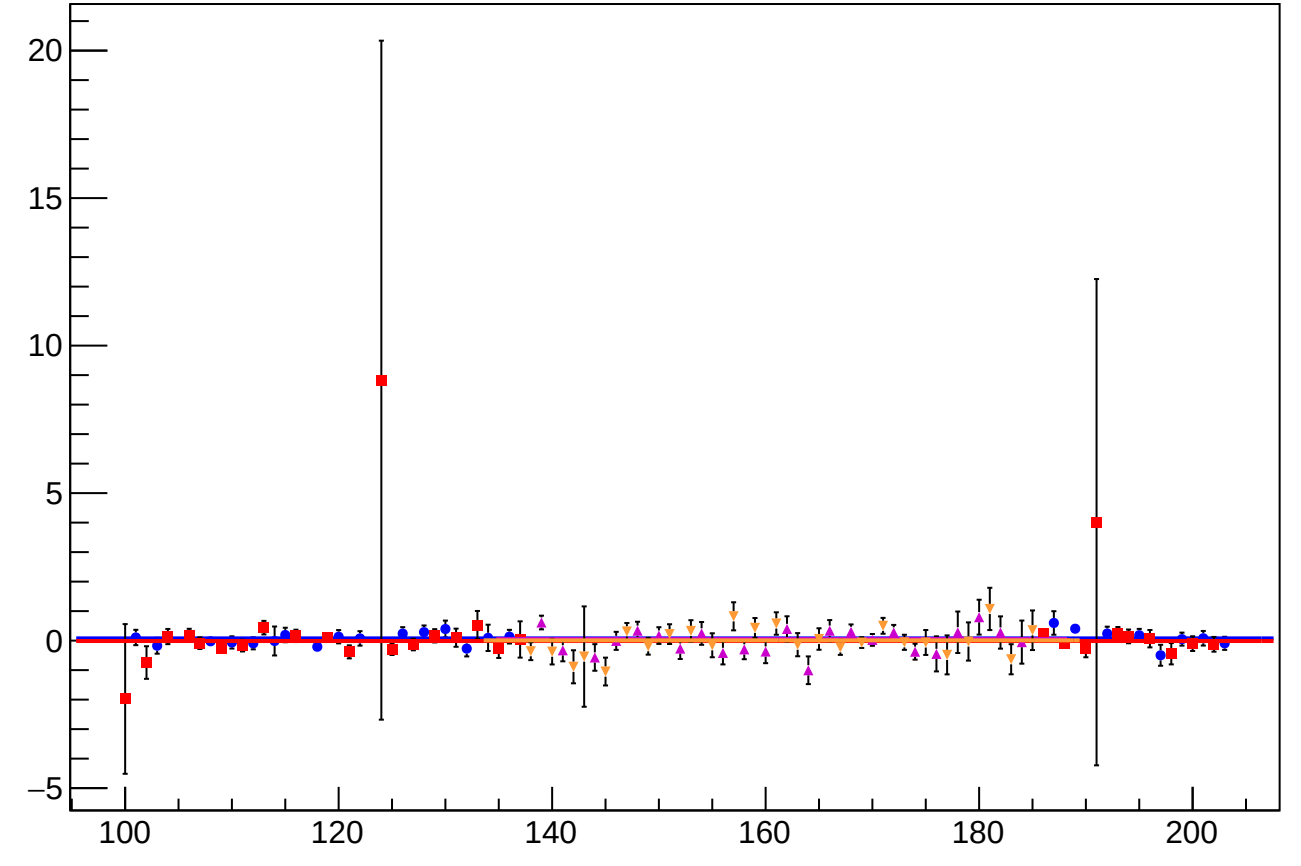
Right: 0.000+/-0.000 χ^2/NDF: 55.6/52

In: 0.000+/-0.000 χ^2/NDF:45.4/46

Out: 0.000+/-0.000 χ^2/NDF:58.0/53

All: 0.000+/-0.000 χ^2/NDF: 103.6/100


asym_atl_dd_atr_dd_avg_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
6
5
4
3
2
1
0
100
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 3122720.1/23
Left Out: 0.000+/-0.000 χ²/NDF:2628519.8/24
Right Out: 0.000+/-0.000 χ²/NDF: 5500273.4/28
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: 8657067.7/52
In: 0.000+/-0.000 χ²/NDF:5618775.2/46
Out: 0.000+/-0.000 χ²/NDF:9745255.7/53
All: 0.000+/-0.000 χ²/NDF: 15590909.7/100



Right In: 0.076+/-0.047 χ^2/NDF: 20.4/23

Left Out: 0.009+/-0.071 χ^2/NDF:28.9/24

Right Out: -0.014+/-0.041 χ^2/NDF: 29.3/28

Left In: 0.053+/-0.070 χ^2/NDF:27.8/22

Left: 0.032+/-0.050 χ^2/NDF: 56.8/47

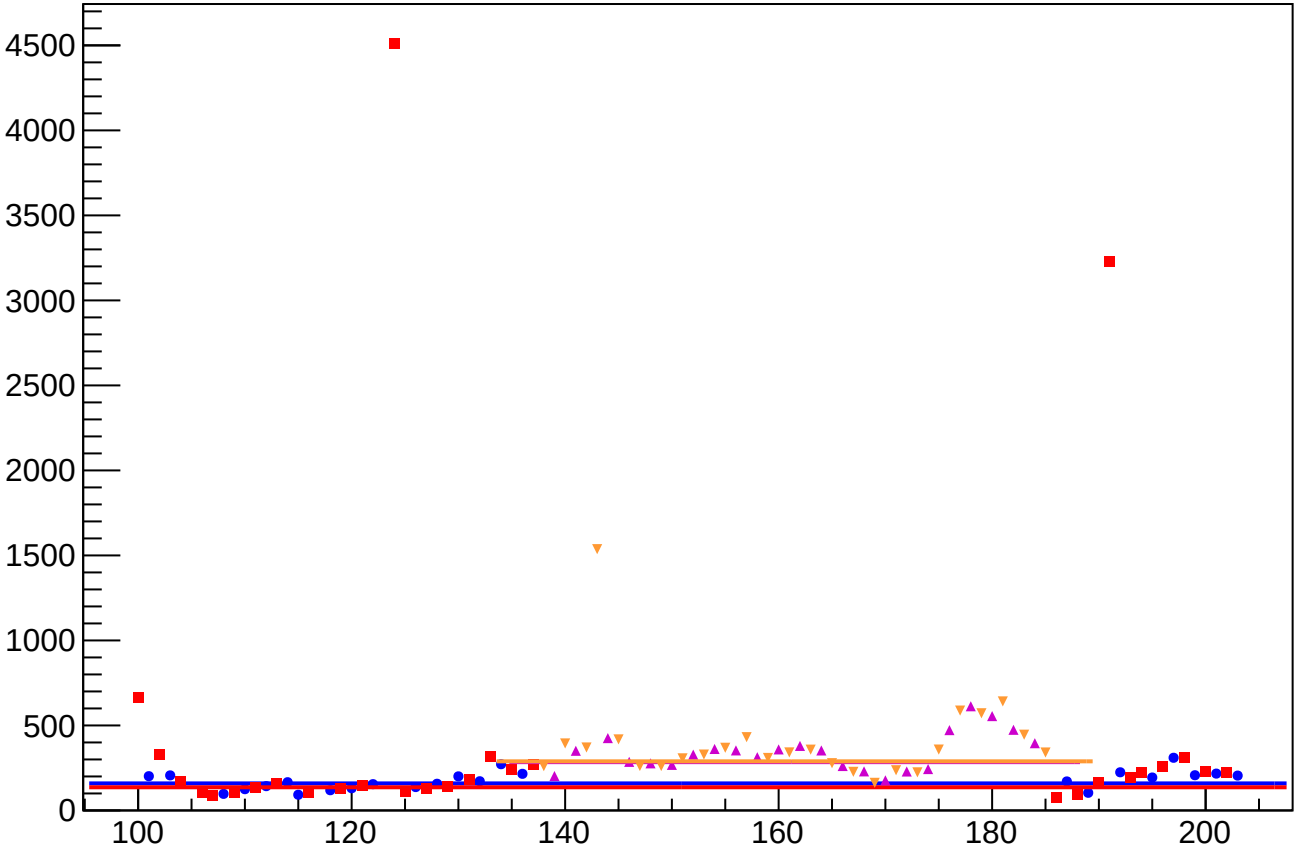
Right: 0.025+/-0.031 χ^2/NDF: 51.9/52

In: 0.069+/-0.039 χ^2/NDF:48.3/46

Out: -0.008+/-0.035 χ^2/NDF:58.3/53

All: 0.027+/-0.026 χ^2/NDF: 108.7/100

asym_atl_dd_atr_dd_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 159.097+/-0.033 χ^2/NDF: 2214803.8/23

Left Out: 288.922+/-0.050 χ^2/NDF:4648197.0/24

Right Out: 136.314+/-0.029 χ^2/NDF: 4527611.9/28

Left In: 284.168+/-0.050 χ^2/NDF:3077521.1/22

Left: 286.524+/-0.035 χ^2/NDF: 7730236.9/47

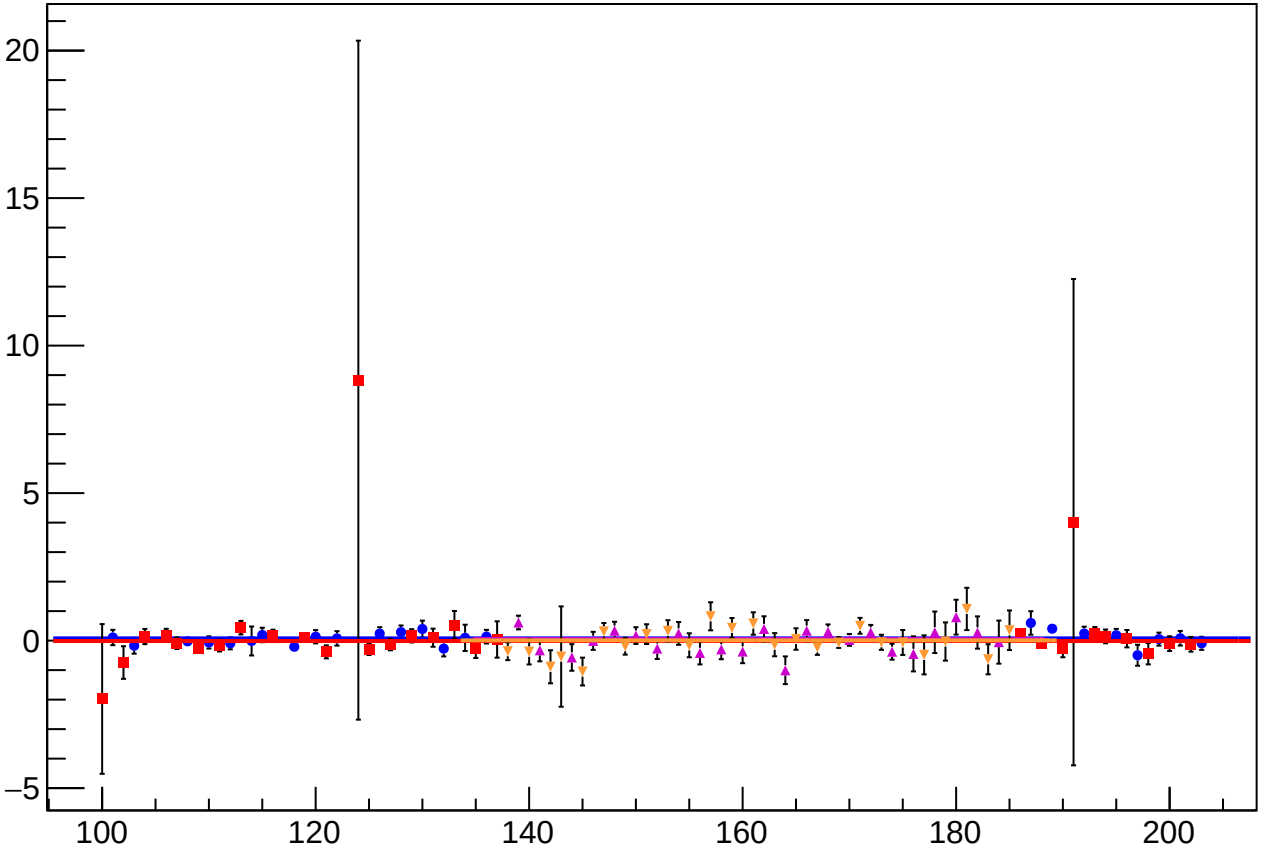
Right: 146.152+/-0.022 χ^2/NDF: 7011001.1/52

In: 197.499+/-0.028 χ^2/NDF:9666024.7/46

Out: 174.260+/-0.025 χ^2/NDF:16114590.7/53

All: 184.759+/-0.019 χ^2/NDF: 26169667.9/10

asym_atl_dd_atr_dd_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.076+/-0.047 χ^2/NDF: 20.4/23

Left Out: 0.009+/-0.071 χ^2/NDF:28.9/24

Right Out: -0.014+/-0.041 χ^2/NDF: 29.3/28

Left In: 0.053+/-0.070 χ^2/NDF:27.8/22

Left: 0.032+/-0.050 χ^2/NDF: 56.8/47

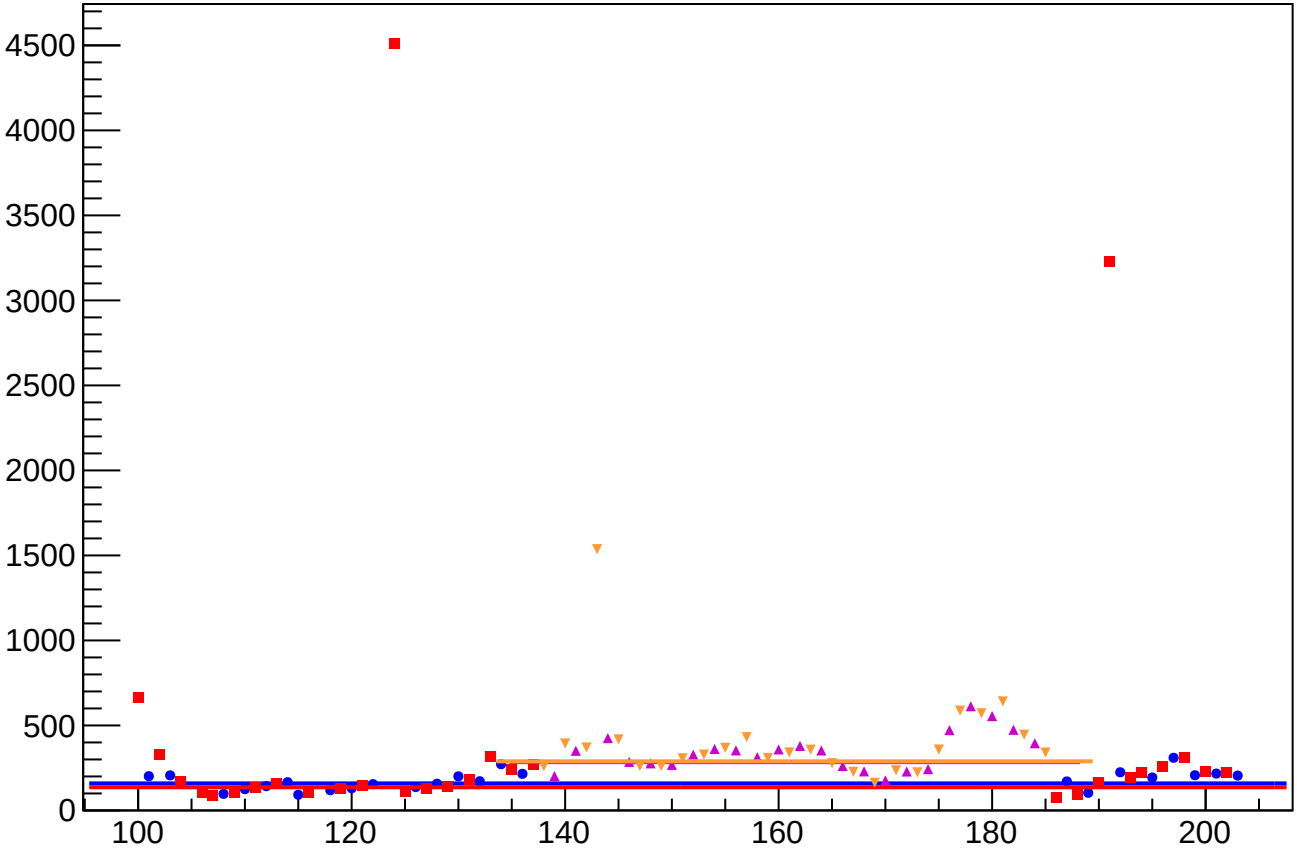
Right: 0.025+/-0.031 χ^2/NDF: 51.9/52

In: 0.069+/-0.039 χ^2/NDF:48.3/46

Out: -0.008+/-0.035 χ^2/NDF:58.3/53

All: 0.027+/-0.026 χ^2/NDF: 108.7/100

asym_atl_dd_atr_dd_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 159.097+/-0.033 χ^2/NDF: 2214803.8/23

Left Out: 288.922+/-0.050 χ^2/NDF:4648197.0/24

Right Out: 136.314+/-0.029 χ^2/NDF: 4527611.9/28

Left In: 284.168+/-0.050 χ^2/NDF:3077521.1/22

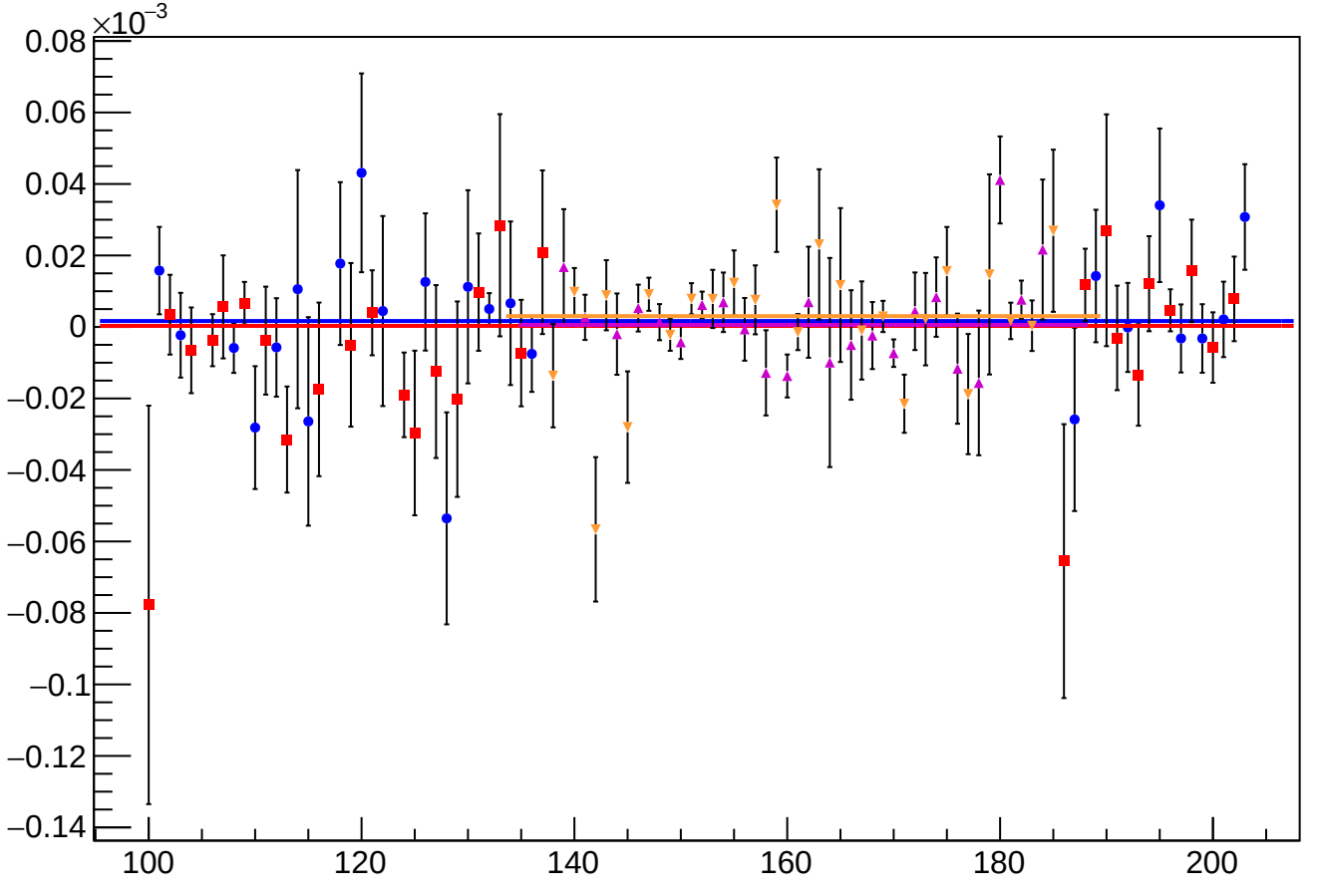
Left: 286.524+/-0.035 χ^2/NDF: 7730236.9/47

Right: 146.152+/-0.022 χ^2/NDF: 7011001.1/52

In: 197.499+/-0.028 χ^2/NDF:9666024.7/46

Out: 174.260+/-0.025 χ^2/NDF:16114590.7/53

All: 184.759+/-0.019 χ^2/NDF: 26169667.9/10



Right In: 0.000+/-0.000 χ^2/NDF: 23.2/23

Left Out: 0.000+/-0.000 χ^2/NDF:42.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 25.9/28

Left In: 0.000+/-0.000 χ^2/NDF:33.2/22

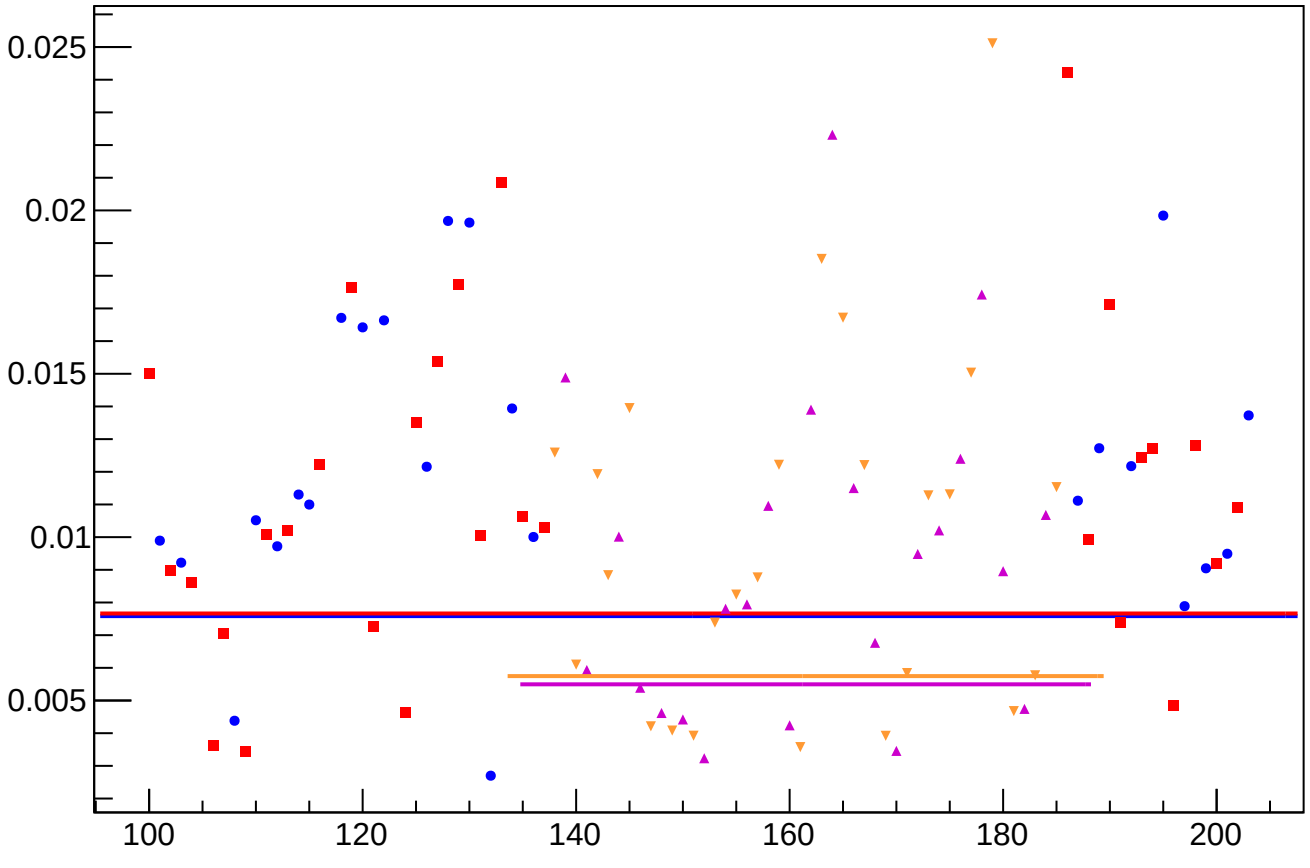
Left: 0.000+/-0.000 χ^2/NDF: 76.7/47

Right: 0.000+/-0.000 χ^2/NDF: 49.3/52

In: 0.000+/-0.000 χ^2/NDF:56.6/46

Out: 0.000+/-0.000 χ^2/NDF:69.1/53

All: 0.000+/-0.000 χ^2/NDF: 126.2/100



Right In: 0.008+/-0.000 χ^2/NDF: 6556165.2/23

Left Out: 0.006+/-0.000 χ^2/NDF:8128513.8/24

Right Out: 0.008+/-0.000 χ^2/NDF: 5592055.6/28

Left In: 0.005+/-0.000 χ^2/NDF:6937299.0/22

Left: 0.006+/-0.000 χ^2/NDF: 15093250.6/47

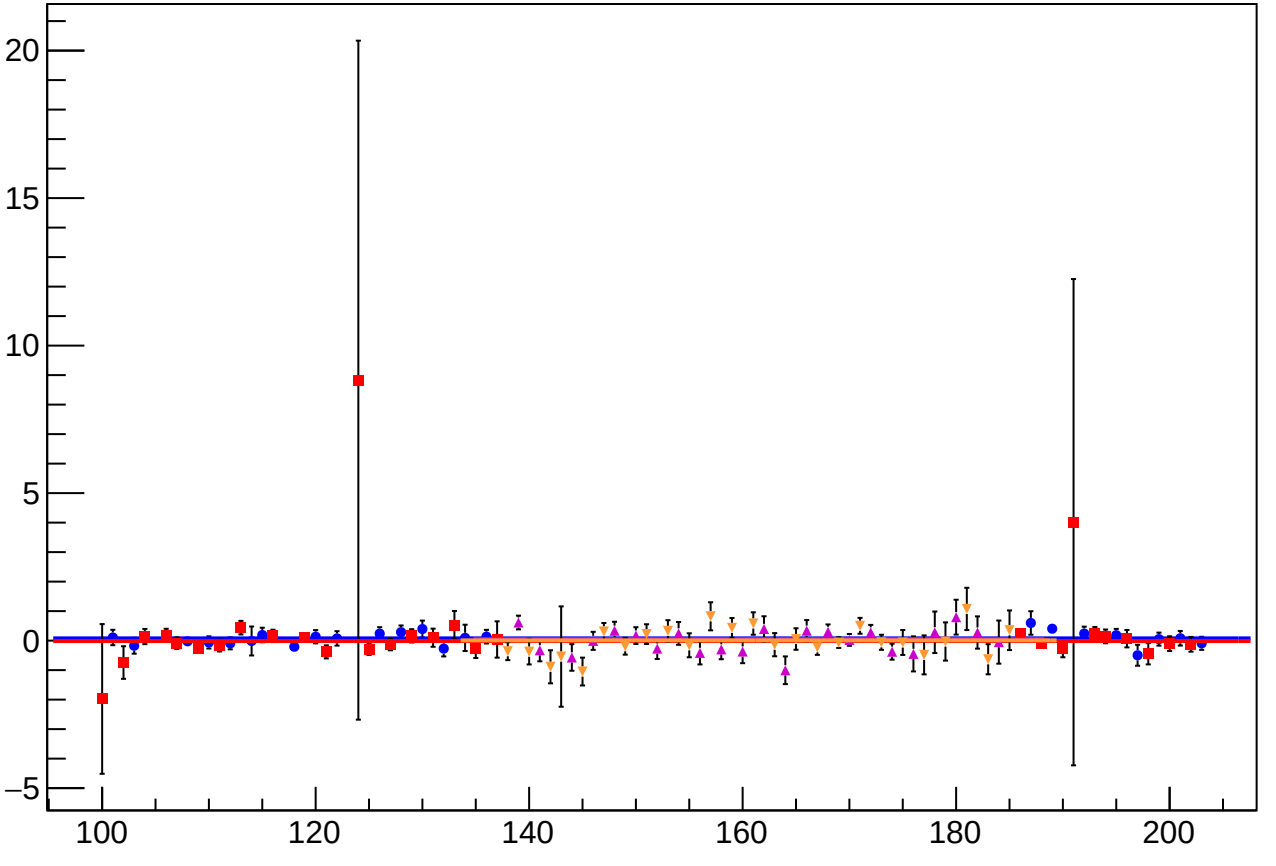
Right: 0.008+/-0.000 χ^2/NDF: 12149351.7/52

In: 0.006+/-0.000 χ^2/NDF:14537234.9/46

Out: 0.006+/-0.000 χ^2/NDF:14682246.1/53

All: 0.006+/-0.000 χ^2/NDF: 29260174.0/100

asym_atl_dd_atr_dd_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.076+/-0.047 χ^2/NDF: 20.4/23

Left Out: 0.009+/-0.071 χ^2/NDF:28.9/24

Right Out: -0.014+/-0.041 χ^2/NDF: 29.3/28

Left In: 0.053+/-0.070 χ^2/NDF:27.8/22

Left: 0.032+/-0.050 χ^2/NDF: 56.8/47

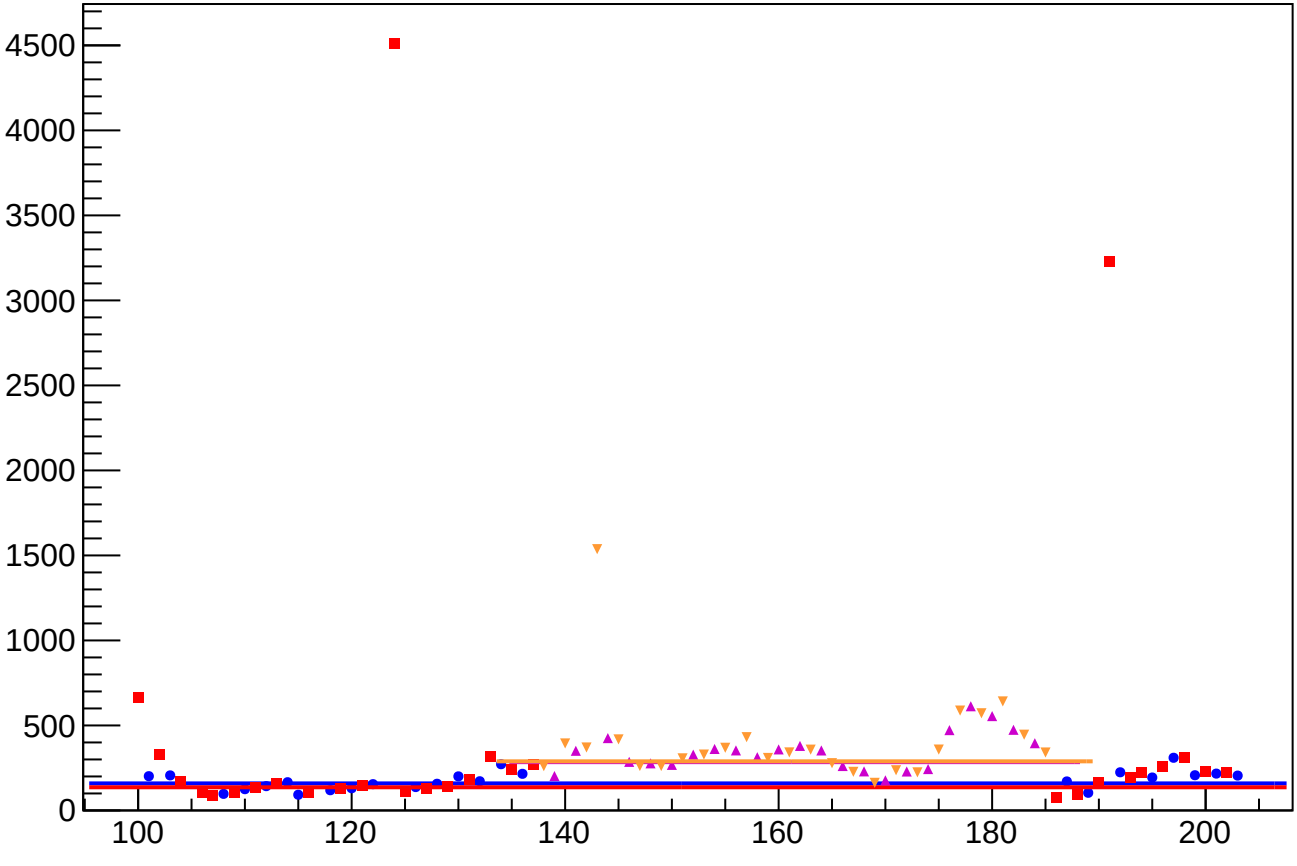
Right: 0.025+/-0.031 χ^2/NDF: 51.8/52

In: 0.069+/-0.039 χ^2/NDF:48.3/46

Out: -0.008+/-0.035 χ^2/NDF:58.3/53

All: 0.027+/-0.026 χ^2/NDF: 108.7/100

asym_atl_dd_atr_dd_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 159.097+/-0.033 χ^2/NDF: 2214809.2/23

Left Out: 288.922+/-0.050 χ^2/NDF:4648388.8/24

Right Out: 136.316+/-0.029 χ^2/NDF: 4527430.8/28

Left In: 284.170+/-0.050 χ^2/NDF:3077626.7/22

Left: 286.525+/-0.035 χ^2/NDF: 7730531.8/47

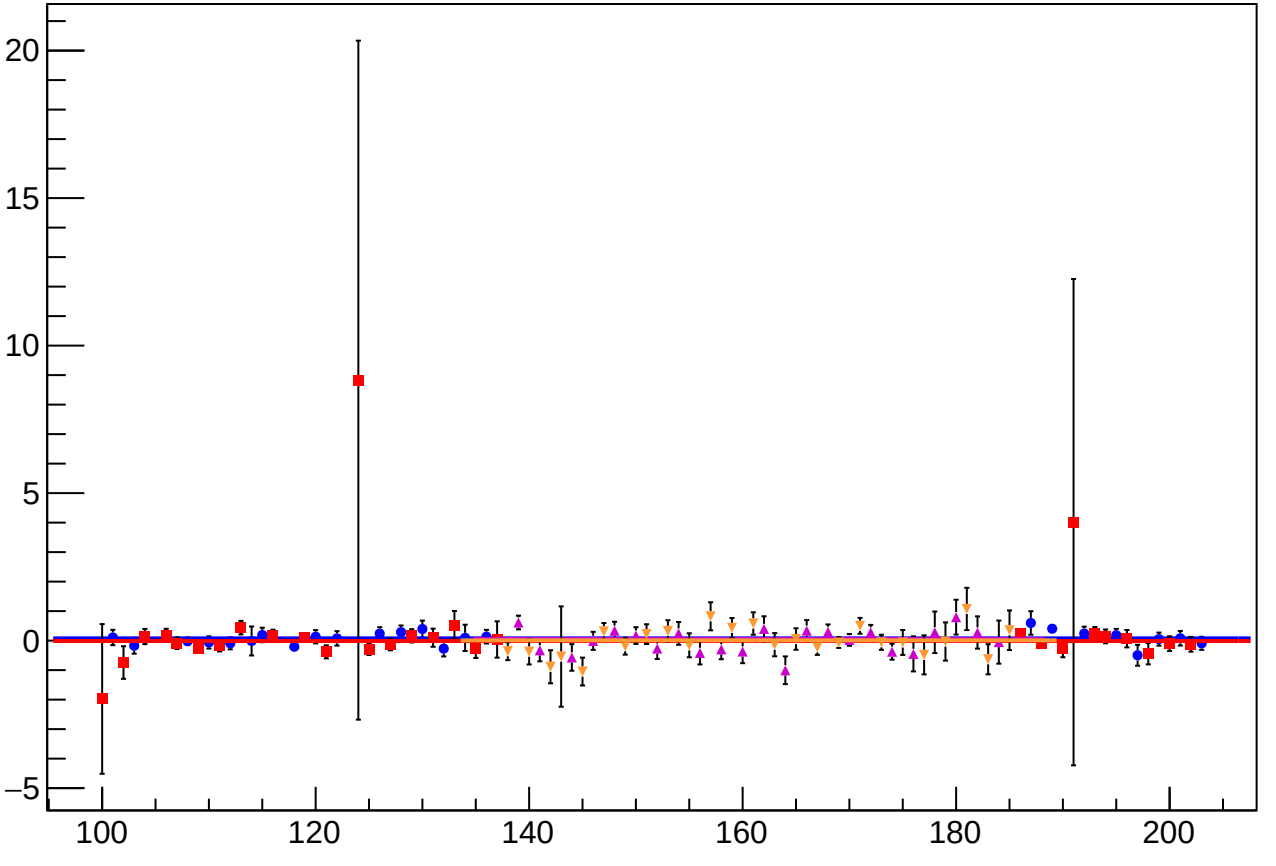
Right: 146.153+/-0.022 χ^2/NDF: 7010772.8/52

In: 197.498+/-0.028 χ^2/NDF:9666233.6/46

Out: 174.262+/-0.025 χ^2/NDF:16114392.7/53

All: 184.759+/-0.019 χ^2/NDF: 26169610.7/10

asym_atl_dd_atr_dd_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.076+/-0.047 χ^2/NDF: 20.4/23

Left Out: 0.009+/-0.071 χ^2/NDF:28.9/24

Right Out: -0.014+/-0.041 χ^2/NDF: 29.3/28

Left In: 0.053+/-0.070 χ^2/NDF:27.8/22

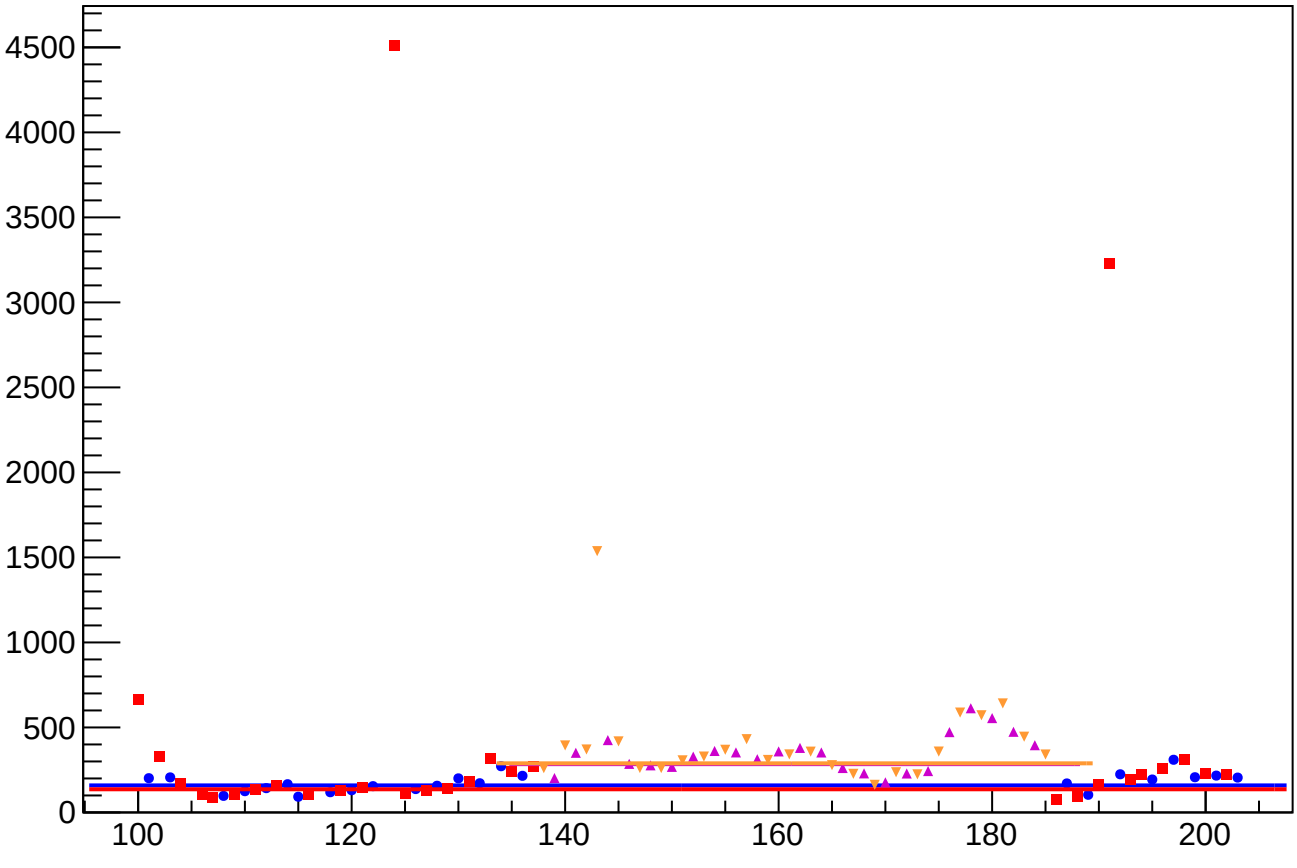
Left: 0.032+/-0.050 χ^2/NDF: 56.8/47

Right: 0.025+/-0.031 χ^2/NDF: 51.8/52

In: 0.069+/-0.039 χ^2/NDF:48.3/46

Out: -0.008+/-0.035 χ^2/NDF:58.3/53

All: 0.027+/-0.026 χ^2/NDF: 108.7/100



Right In: 159.097+/-0.033 χ^2/NDF: 2214809.2/23

Left Out: 288.922+/-0.050 χ^2/NDF:4648388.8/24

Right Out: 136.316+/-0.029 χ^2/NDF: 4527430.8/28

Left In: 284.170+/-0.050 χ^2/NDF:3077626.7/22

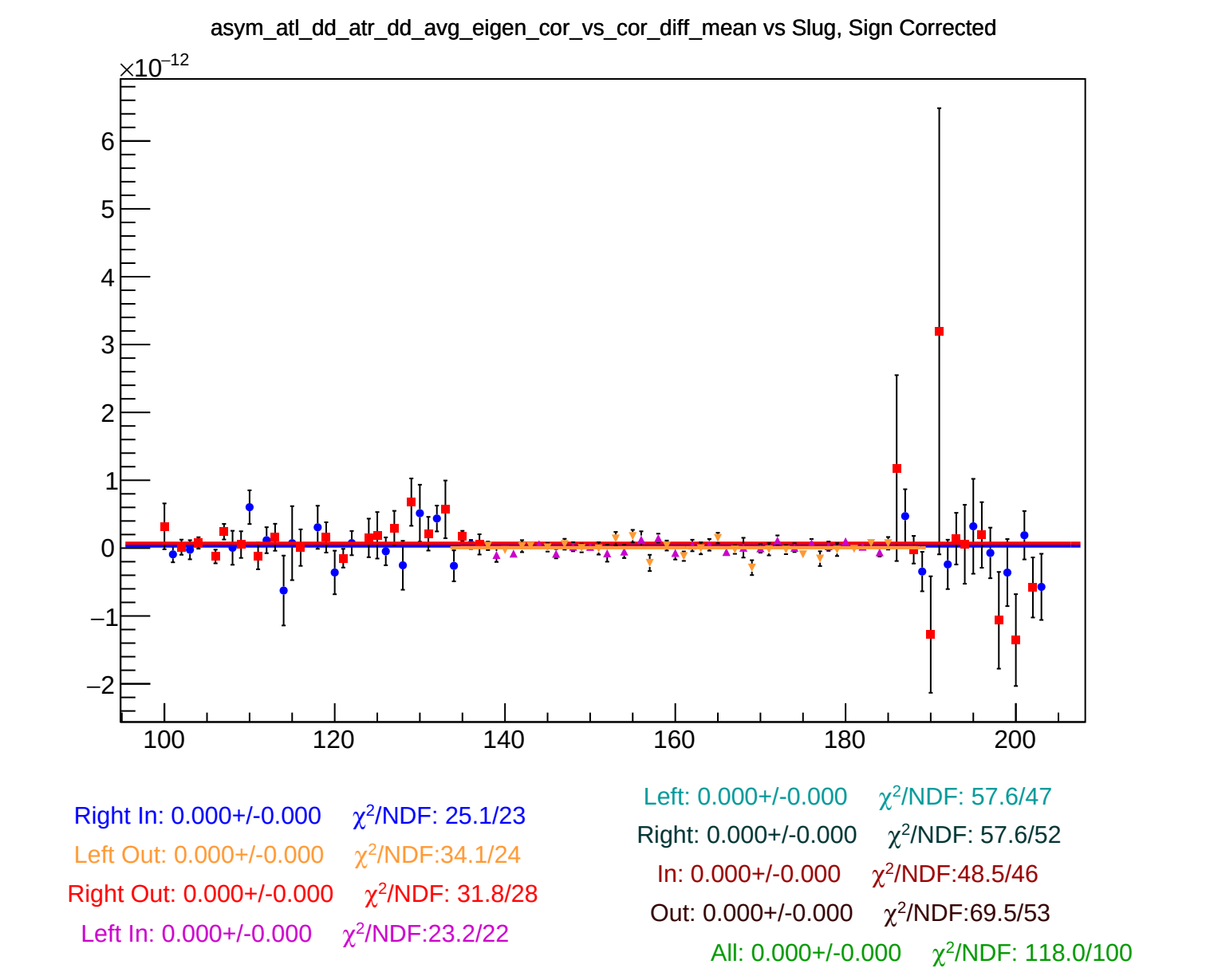
Left: 286.525+/-0.035 χ^2/NDF: 7730531.8/47

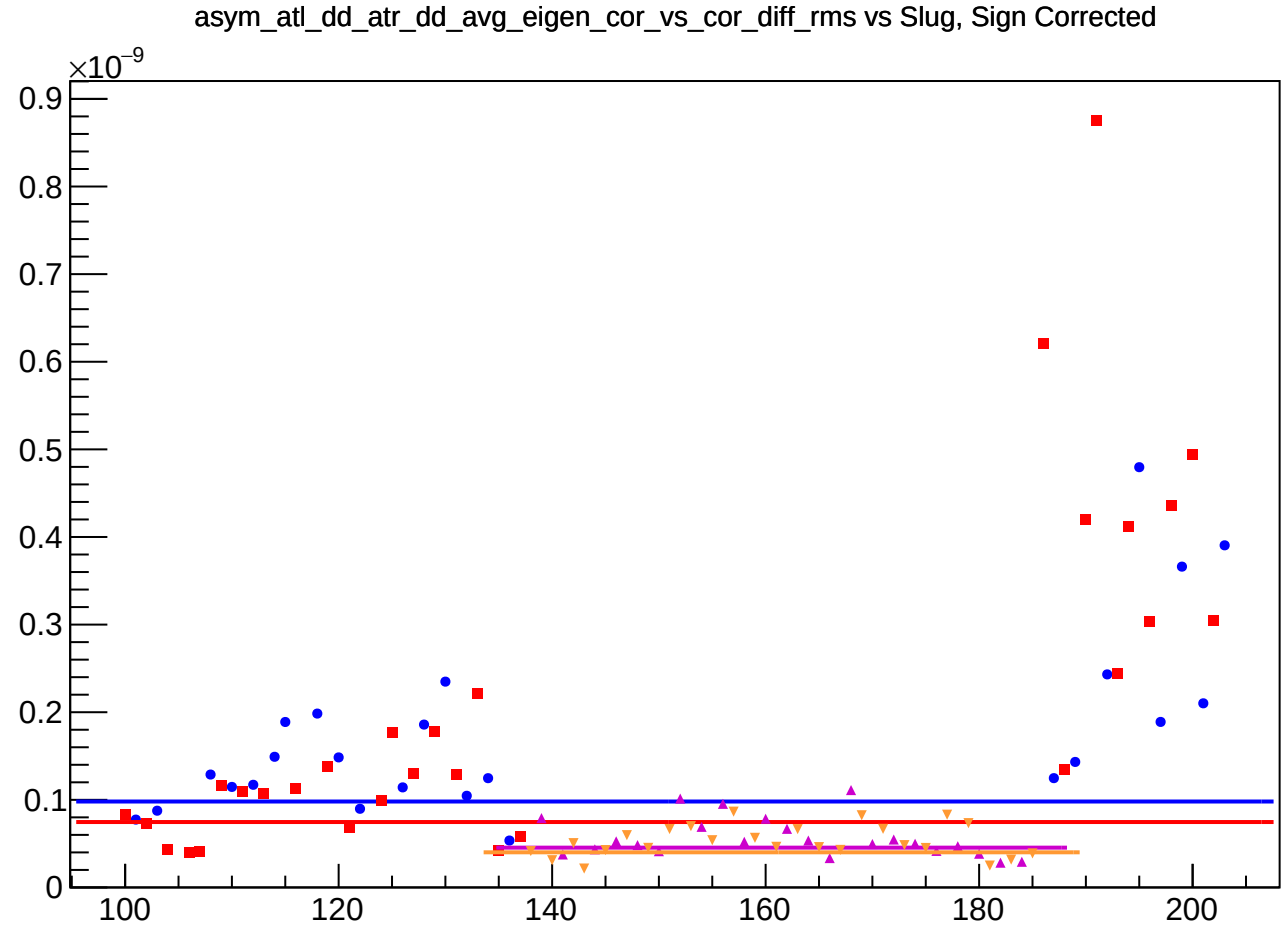
Right: 146.153+/-0.022 χ^2/NDF: 7010772.8/52

In: 197.498+/-0.028 χ^2/NDF:9666233.6/46

Out: 174.262+/-0.025 χ^2/NDF:16114392.7/53

All: 184.759+/-0.019 χ^2/NDF: 26169610.7/10


asym_atl_dd_atr_dd_avg_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
6
5
4
3
2
1
0
−1
−2
100
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 25.1/23
Left Out: 0.000+/-0.000 χ²/NDF:34.1/24
Right Out: 0.000+/-0.000 χ²/NDF: 31.8/28
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: 57.6/52
In: 0.000+/-0.000 χ²/NDF:48.5/46
Out: 0.000+/-0.000 χ²/NDF:69.5/53
All: 0.000+/-0.000 χ²/NDF: 118.0/100



Right In: 0.000+/-0.000 χ^2/NDF: 4310749.4/23

Left Out: 0.000+/-0.000 χ^2/NDF:3609934.1/24

Right Out: 0.000+/-0.000 χ^2/NDF: 6578873.6/28

Left In: 0.000+/-0.000 χ^2/NDF:2780344.5/22

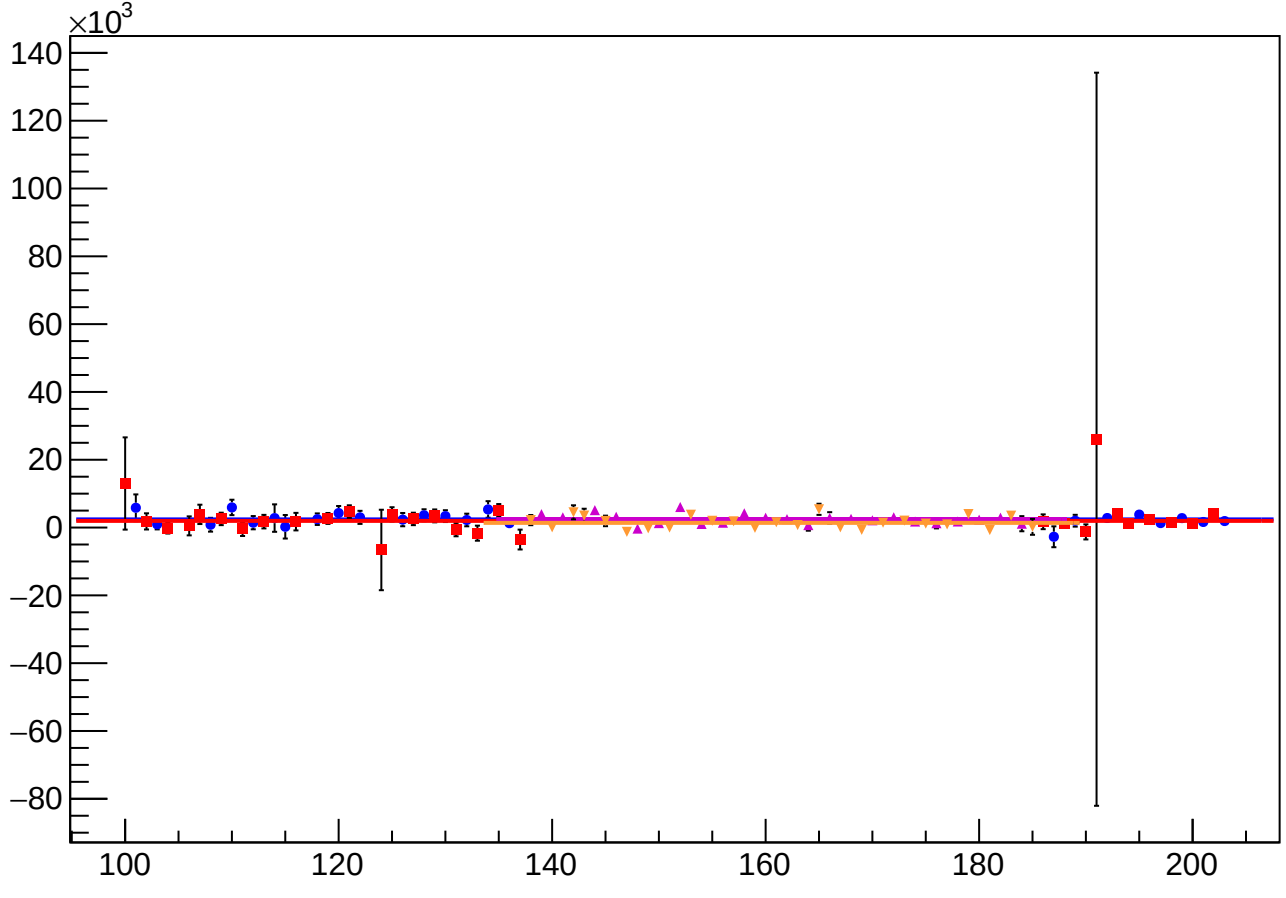
Left: 0.000+/-0.000 χ^2/NDF: 6559252.5/47

Right: 0.000+/-0.000 χ^2/NDF: 11284602.1/52

In: 0.000+/-0.000 χ^2/NDF:10080079.2/46

Out: 0.000+/-0.000 χ^2/NDF:12087690.0/53

All: 0.000+/-0.000 χ^2/NDF: 22445538.4/100



Right In: 2405.021+/-362.467 χ^2/NDF: 14.1/23

Left Out: 1383.252+/-292.777 χ^2/NDF:32.9/24

Right Out: 1968.719+/-352.492 χ^2/NDF: 28.0/28

Left In: 2519.365+/-298.095 χ^2/NDF:22.5/22

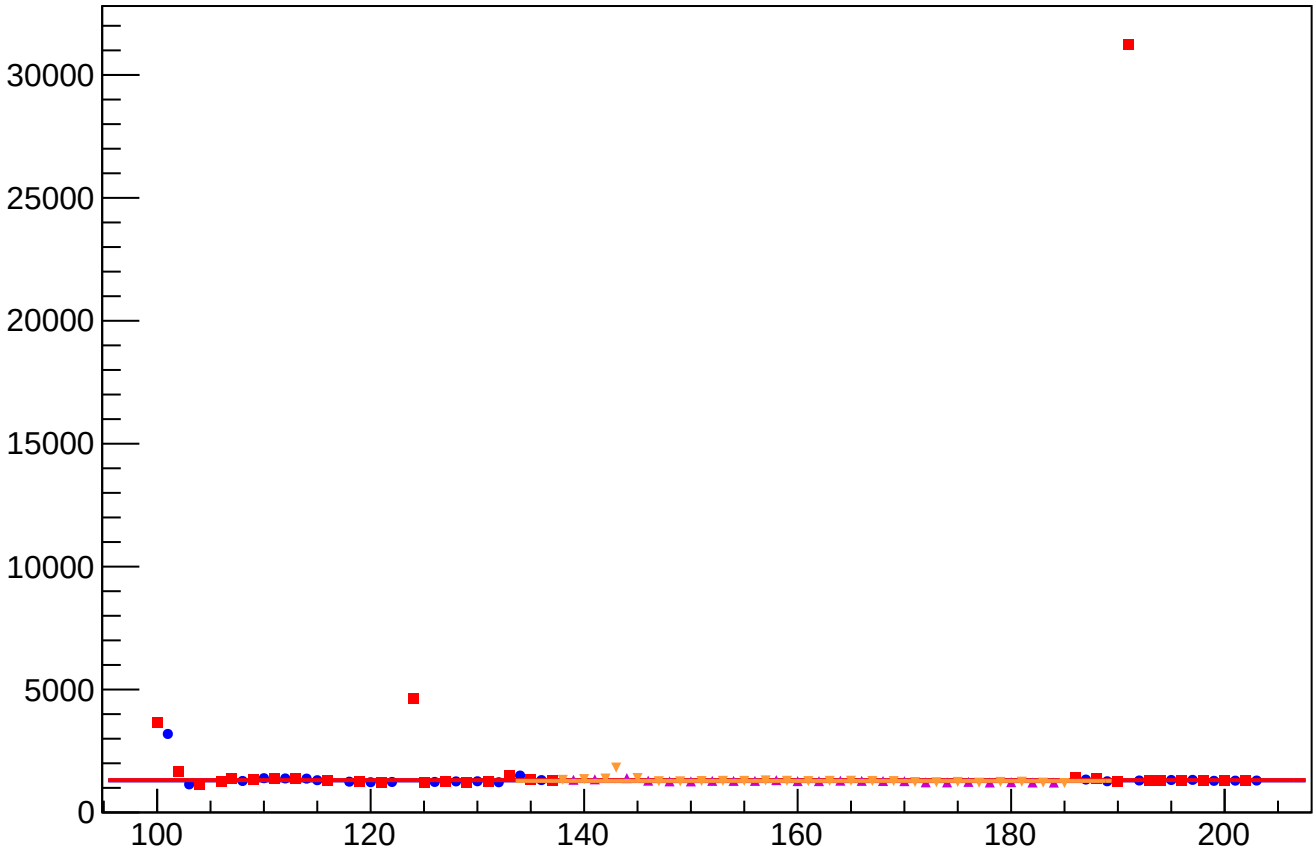
Left: 1941.083+/-208.879 χ^2/NDF: 62.8/47

Right: 2180.784+/-252.702 χ^2/NDF: 42.8/52

In: 2473.231+/-230.236 χ^2/NDF:36.7/46

Out: 1622.265+/-225.221 χ^2/NDF:62.5/53

All: 2038.379+/-160.999 χ^2/NDF: 106.1/100



Right In: 1304.483+/-0.256 χ^2/NDF: 518557.4/23

Left Out: 1285.649+/-0.207 χ^2/NDF:191027.3/24

Right Out: 1314.867+/-0.249 χ^2/NDF: 489922.0/28

Left In: 1275.941+/-0.211 χ^2/NDF:41399.0/22

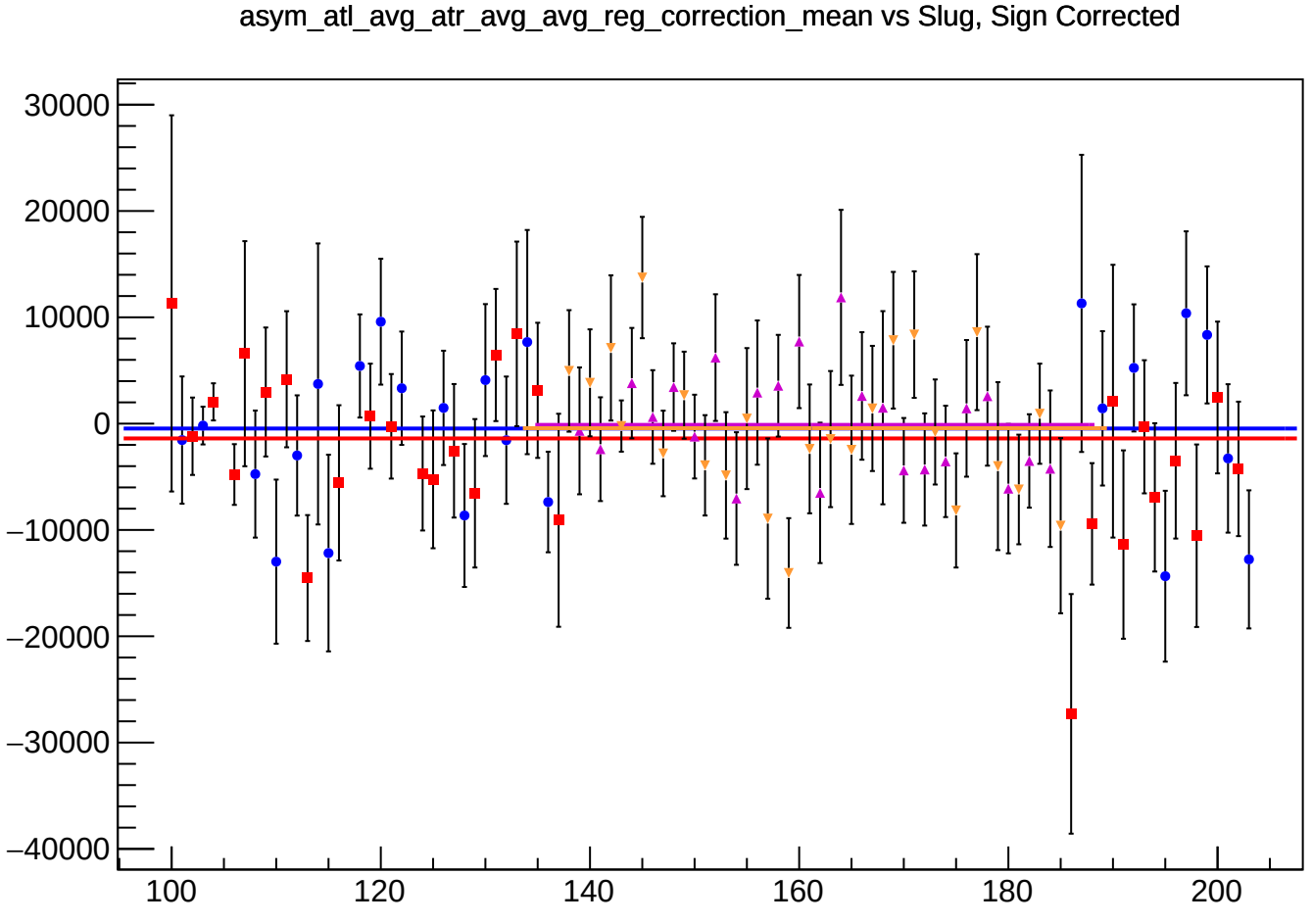
Left: 1280.882+/-0.148 χ^2/NDF: 233506.1/47

Right: 1309.827+/-0.179 χ^2/NDF: 1009324.1/52

In: 1287.457+/-0.163 χ^2/NDF:567354.3/46

Out: 1297.596+/-0.159 χ^2/NDF:689094.1/53

All: 1292.641+/-0.114 χ^2/NDF: 1258431.8/10



Right In: -460.231+/-1081.182 χ^2/NDF: 27.0/23

Left Out: -428.530+/-1038.038 χ^2/NDF:29.8/24

Right Out: -1392.949+/-963.144 χ^2/NDF: 29.4/28

Left In: -119.335+/-1144.695 χ^2/NDF:13.6/22

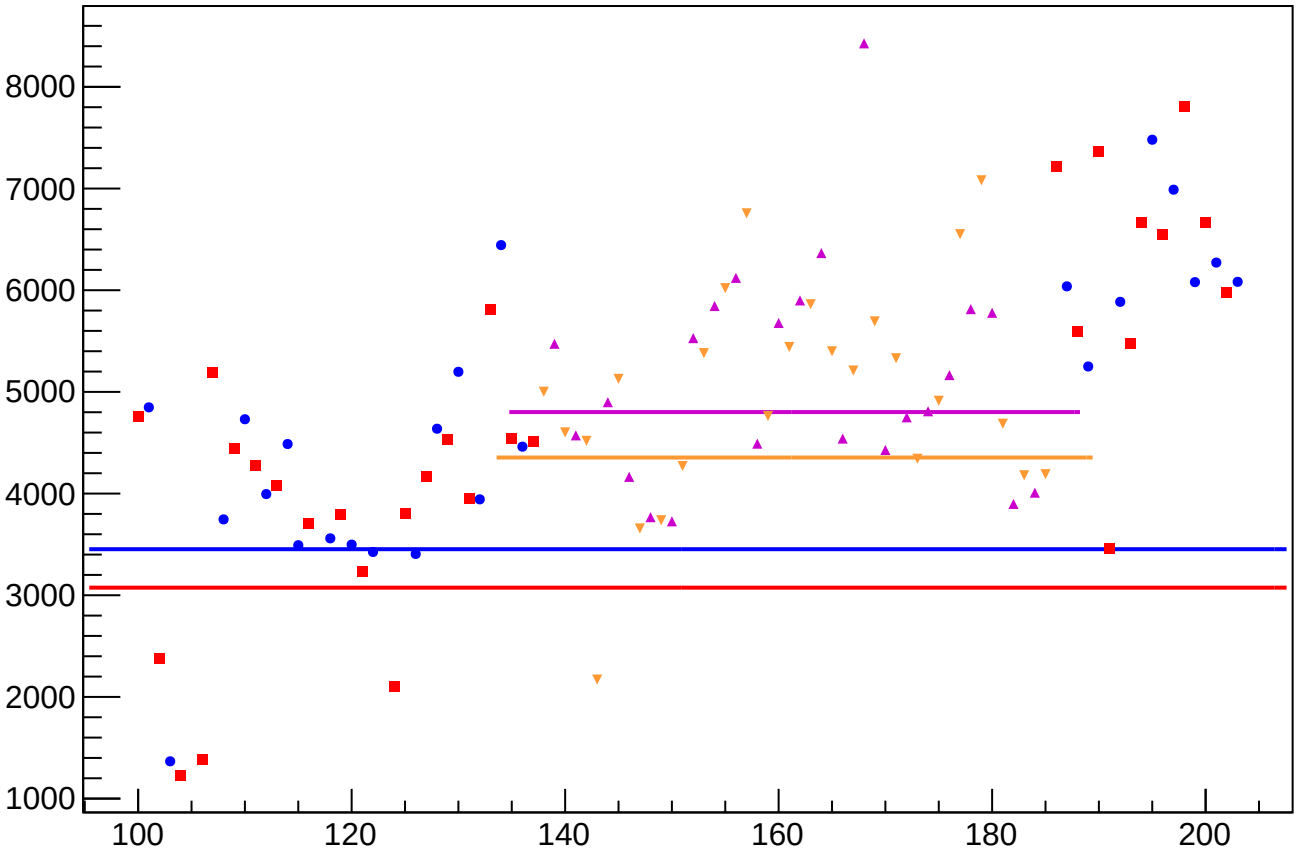
Left: -289.005+/-768.953 χ^2/NDF: 43.5/47

Right: -980.266+/-719.171 χ^2/NDF: 56.8/52

In: -299.502+/-786.006 χ^2/NDF:40.7/46

Out: -946.782+/-706.040 χ^2/NDF:59.7/53

All: -657.734+/-525.249 χ^2/NDF: 100.7/100



Right In: 3452.889+/-0.765 χ^2/NDF: 5839853.0/23

Left Out: 4354.526+/-0.734 χ^2/NDF:3071436.3/24

Right Out: 3074.891+/-0.681 χ^2/NDF: 7719997.1/28

Left In: 4801.573+/-0.809 χ^2/NDF:1231883.2/22

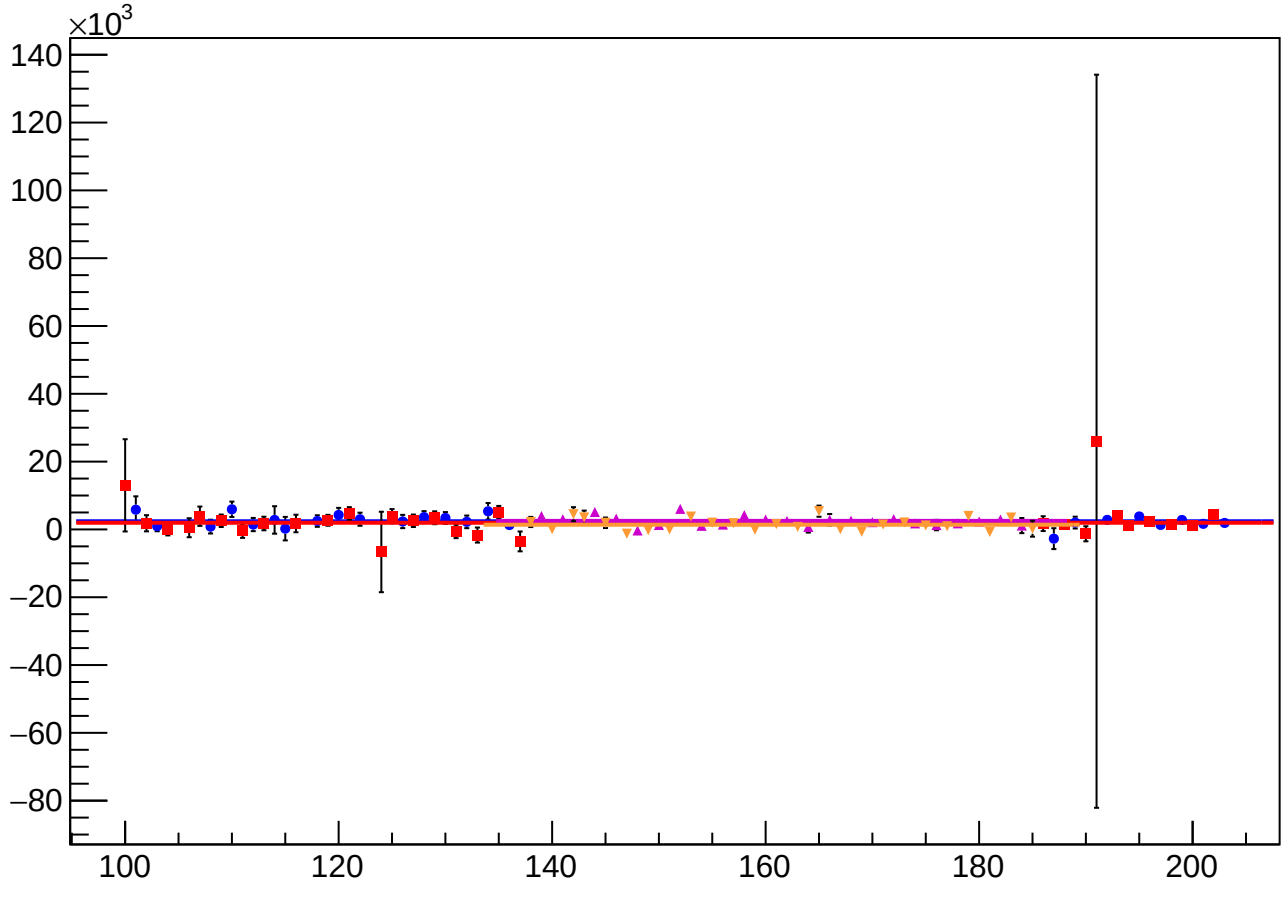
Left: 4556.257+/-0.544 χ^2/NDF: 4470709.2/47

Right: 3242.137+/-0.509 χ^2/NDF: 13696149.3/52

In: 4088.779+/-0.556 χ^2/NDF:8539054.9/46

Out: 3666.885+/-0.499 χ^2/NDF:12424679.5/53

All: 3855.285+/-0.371 χ^2/NDF: 21282636.0/1



Right In: 2404.942+/-362.467 χ^2/NDF: 14.1/23

Left Out: 1383.188+/-292.777 χ^2/NDF:32.9/24

Right Out: 1968.582+/-352.492 χ^2/NDF: 28.0/28

Left In: 2519.366+/-298.095 χ^2/NDF:22.5/22

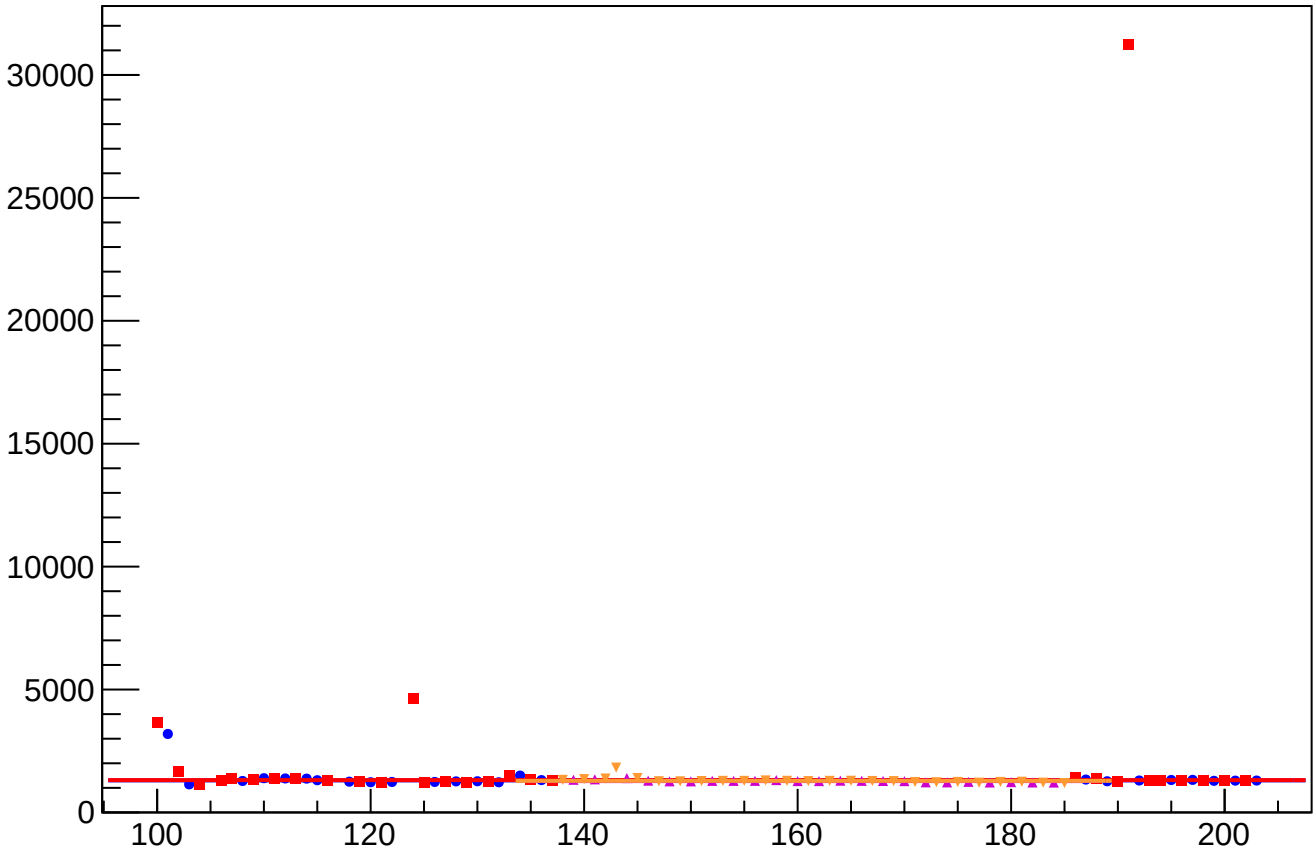
Left: 1941.050+/-208.879 χ^2/NDF: 62.8/47

Right: 2180.675+/-252.702 χ^2/NDF: 42.8/52

In: 2473.200+/-230.236 χ^2/NDF:36.7/46

Out: 1622.170+/-225.221 χ^2/NDF:62.5/53

All: 2038.316+/-160.999 χ^2/NDF: 106.1/100



Right In: 1304.483+/-0.256 χ^2/NDF: 518558.9/23

Left Out: 1285.649+/-0.207 χ^2/NDF:191027.3/24

Right Out: 1315.440+/-0.249 χ^2/NDF: 489454.9/28

Left In: 1275.941+/-0.211 χ^2/NDF:41399.0/22

Left: 1280.882+/-0.148 χ^2/NDF: 233506.1/47

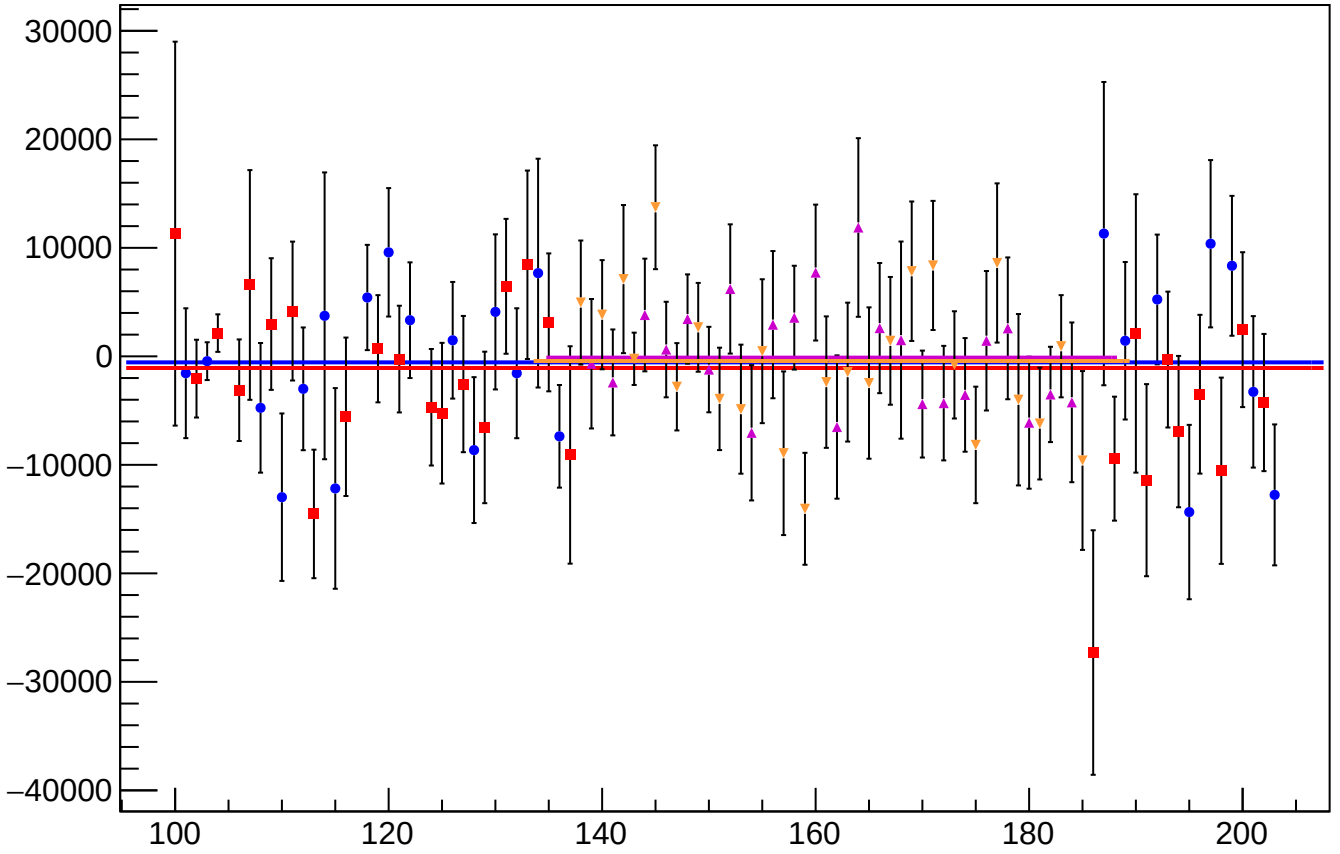
Right: 1310.120+/-0.179 χ^2/NDF: 1008954.0/52

In: 1287.457+/-0.163 χ^2/NDF:567355.8/46

Out: 1297.825+/-0.159 χ^2/NDF:688945.7/53

All: 1292.757+/-0.114 χ^2/NDF: 1258375.1/10

asym_atl_avg_atr_avg_avg_cor_correction_mean vs Slug, Sign Corrected



Right In: -555.448+/-1073.399 χ^2/NDF: 27.0/23

Left Out: -428.525+/-1038.036 χ^2/NDF:29.8/24

Right Out: -1073.175+/-995.308 χ^2/NDF: 28.4/28

Left In: -119.307+/-1144.695 χ^2/NDF:13.6/22

Left: -288.990+/-768.952 χ^2/NDF: 43.5/47

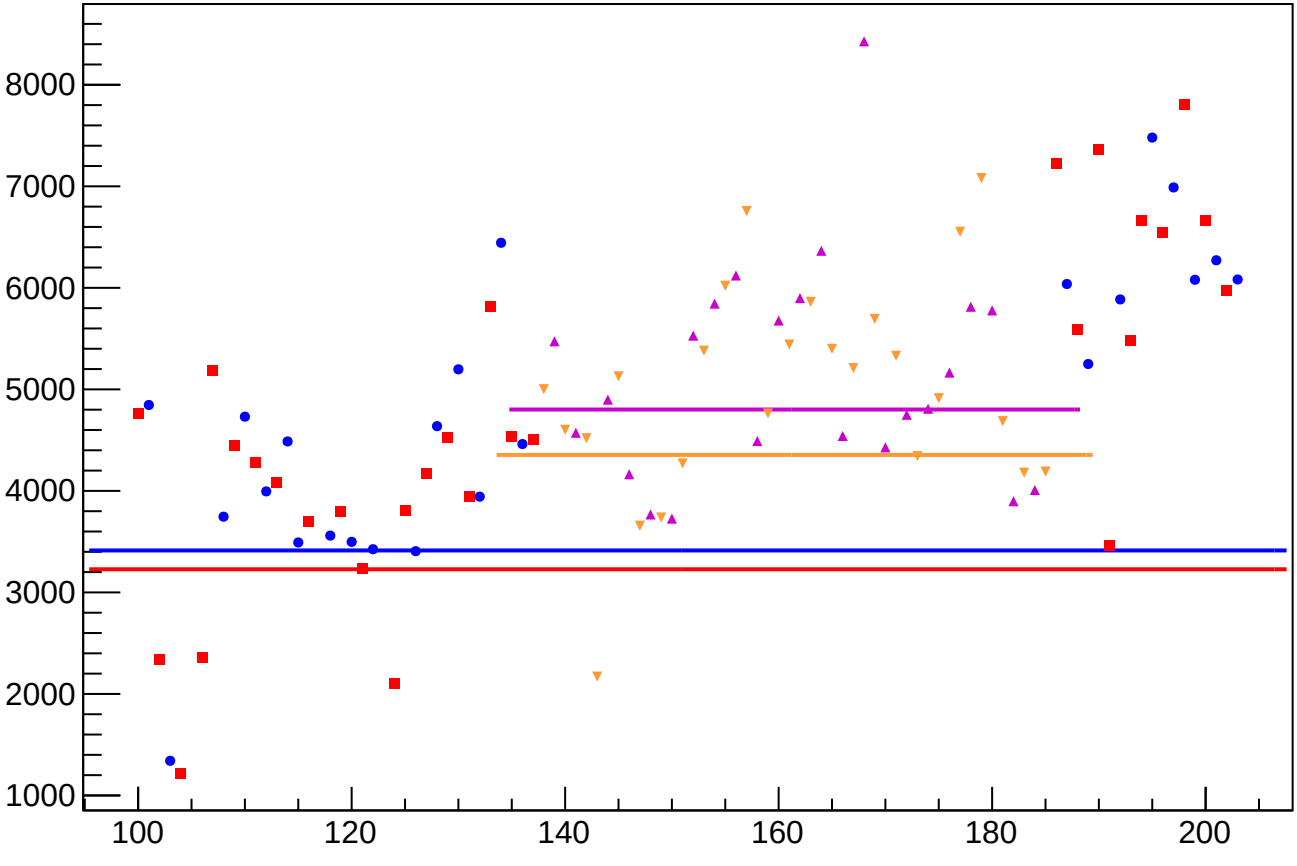
Right: -833.827+/-729.836 χ^2/NDF: 55.5/52

In: -351.382+/-783.000 χ^2/NDF:40.7/46

Out: -764.390+/-718.420 χ^2/NDF:58.4/53

All: -575.618+/-529.360 χ^2/NDF: 99.2/100

asym_atl_avg_atr_avg_avg_cor_correction_rms vs Slug, Sign Corrected



Right In: 3413.385+/-0.759 χ^2/NDF: 6015077.3/23

Left Out: 4354.511+/-0.734 χ^2/NDF:3071528.5/24

Right Out: 3227.959+/-0.704 χ^2/NDF: 7101885.7/28

Left In: 4801.570+/-0.809 χ^2/NDF:1231894.6/22

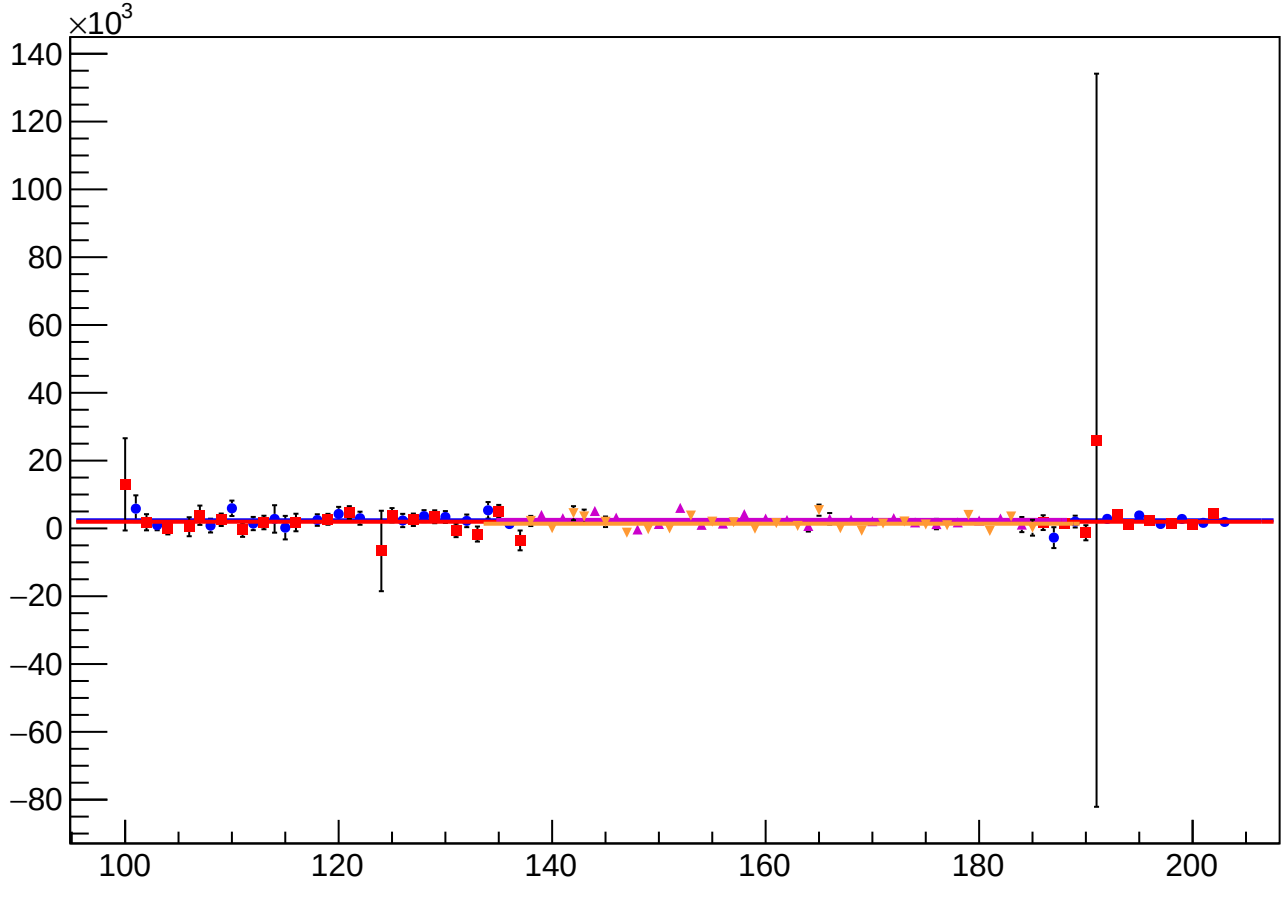
Left: 4556.247+/-0.544 χ^2/NDF: 4470822.6/47

Right: 3313.682+/-0.516 χ^2/NDF: 13149054.0/52

In: 4062.903+/-0.554 χ^2/NDF:8812088.5/46

Out: 3767.572+/-0.508 χ^2/NDF:11400709.9/53

All: 3902.558+/-0.374 χ^2/NDF: 20367277.9/1



Right In: 2404.942+/-362.467 χ^2/NDF: 14.1/23

Left Out: 1383.188+/-292.777 χ^2/NDF:32.9/24

Right Out: 1968.582+/-352.492 χ^2/NDF: 28.0/28

Left In: 2519.366+/-298.095 χ^2/NDF:22.5/22

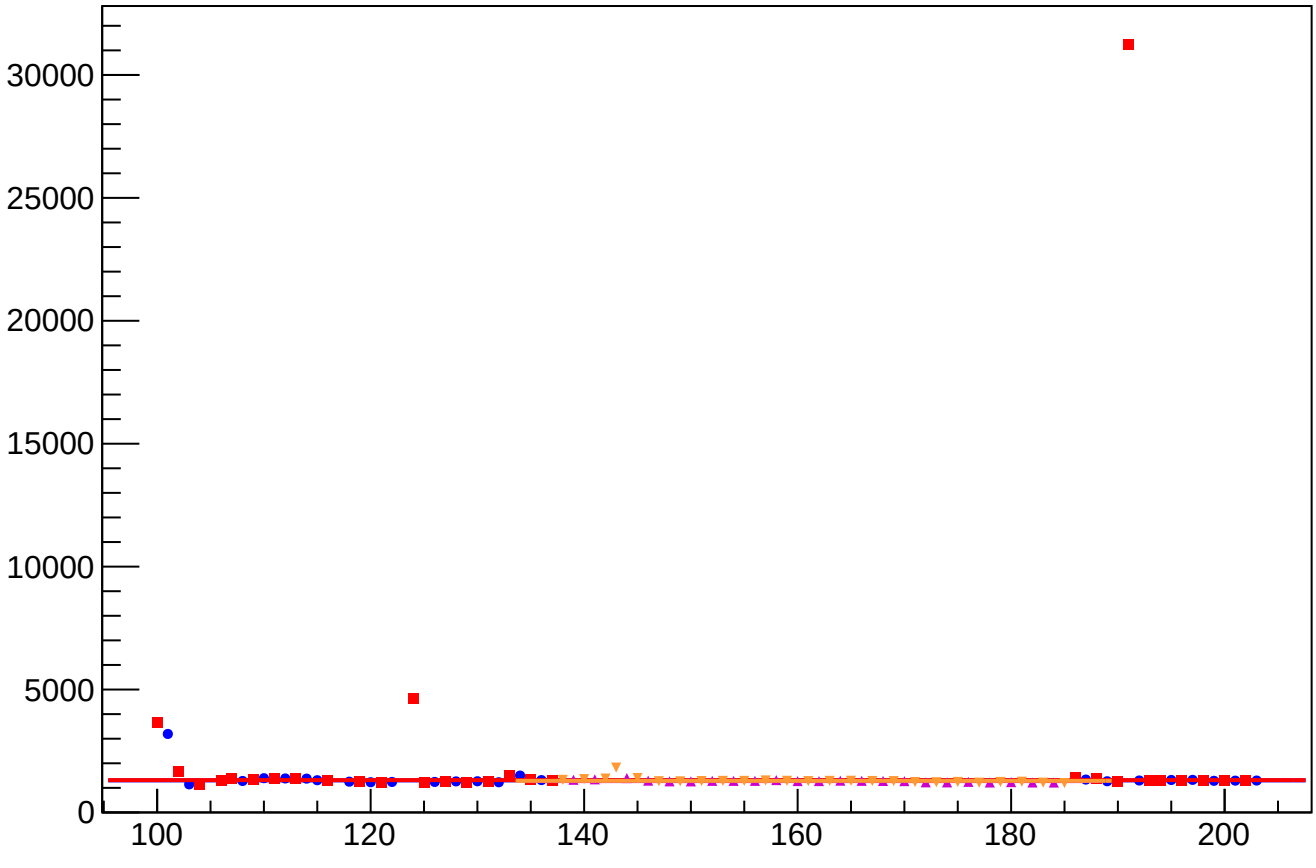
Left: 1941.050+/-208.879 χ^2/NDF: 62.8/47

Right: 2180.675+/-252.702 χ^2/NDF: 42.8/52

In: 2473.200+/-230.236 χ^2/NDF:36.7/46

Out: 1622.170+/-225.221 χ^2/NDF:62.5/53

All: 2038.316+/-160.999 χ^2/NDF: 106.1/100



Right In: 1304.483+/-0.256 χ^2/NDF: 518558.9/23

Left Out: 1285.649+/-0.207 χ^2/NDF:191027.3/24

Right Out: 1315.440+/-0.249 χ^2/NDF: 489454.9/28

Left In: 1275.941+/-0.211 χ^2/NDF:41399.0/22

Left: 1280.882+/-0.148 χ^2/NDF: 233506.1/47

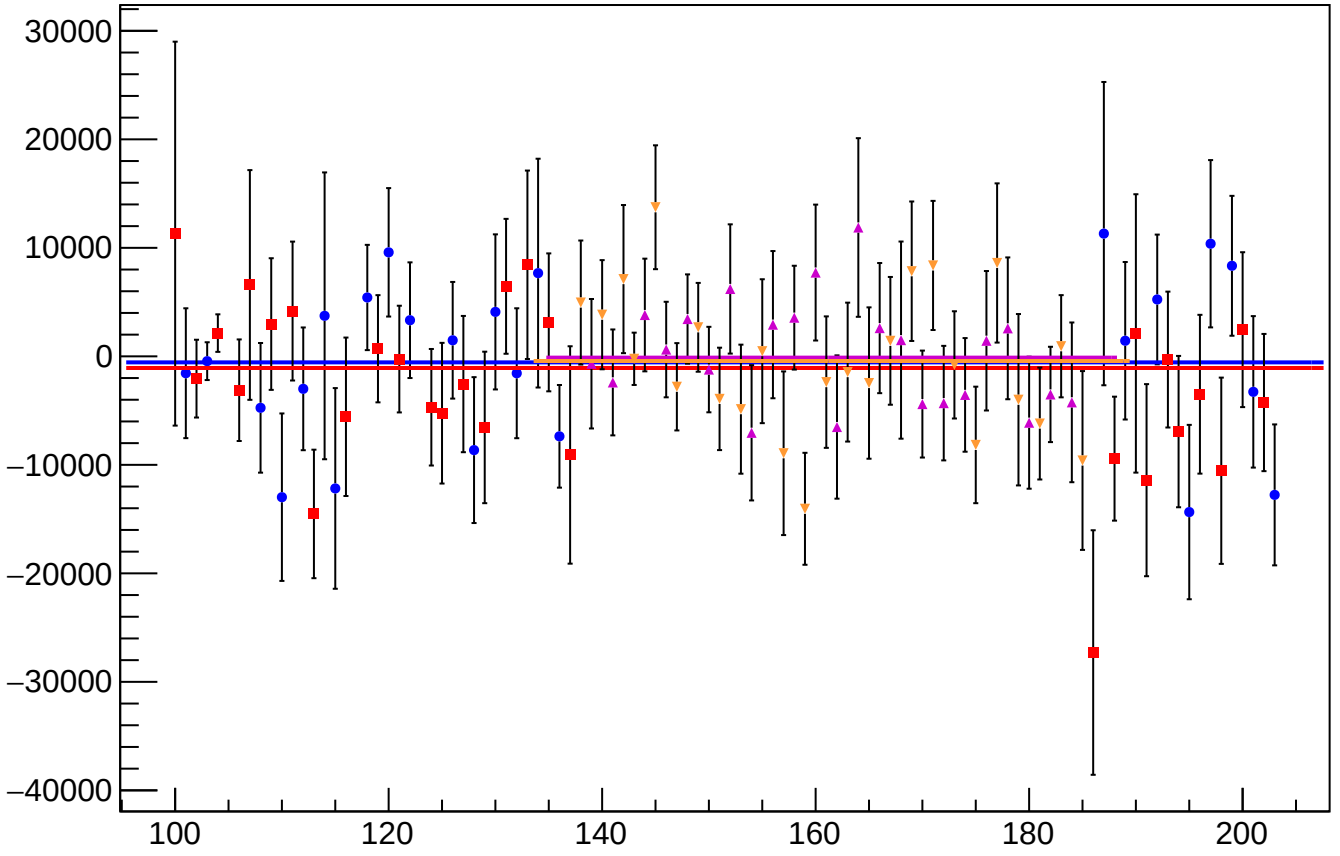
Right: 1310.120+/-0.179 χ^2/NDF: 1008954.0/52

In: 1287.457+/-0.163 χ^2/NDF:567355.8/46

Out: 1297.825+/-0.159 χ^2/NDF:688945.7/53

All: 1292.757+/-0.114 χ^2/NDF: 1258375.1/10

asym_atl_avg_atr_avg_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -555.448+/-1073.399 χ^2/NDF: 27.0/23

Left Out: -428.525+/-1038.036 χ^2/NDF:29.8/24

Right Out: -1073.175+/-995.308 χ^2/NDF: 28.4/28

Left In: -119.307+/-1144.695 χ^2/NDF:13.6/22

Left: -288.990+/-768.952 χ^2/NDF: 43.5/47

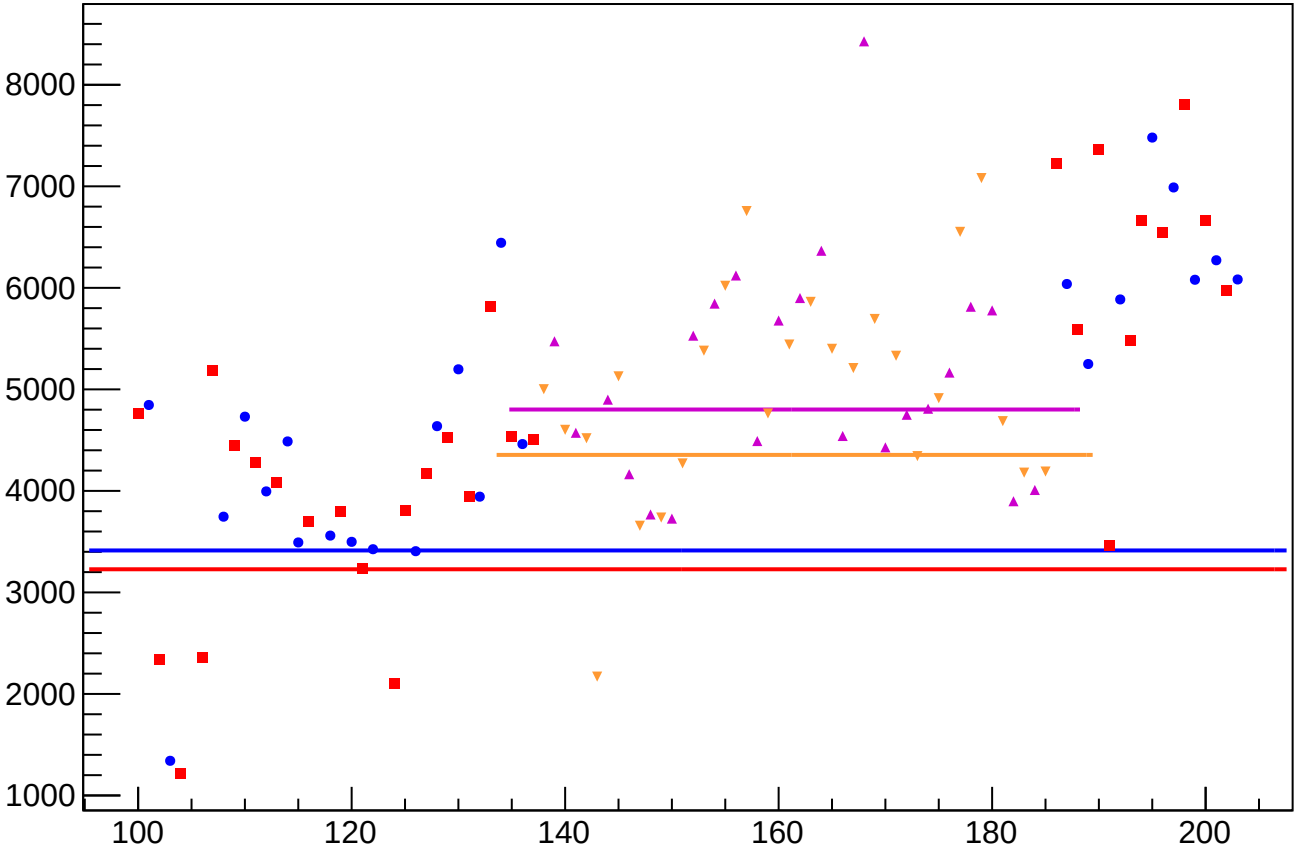
Right: -833.827+/-729.836 χ^2/NDF: 55.5/52

In: -351.382+/-783.000 χ^2/NDF:40.7/46

Out: -764.390+/-718.420 χ^2/NDF:58.4/53

All: -575.618+/-529.360 χ^2/NDF: 99.2/100

asym_atl_avg_atr_avg_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 3413.385+/-0.759 χ^2/NDF: 6015077.3/23

Left Out: 4354.511+/-0.734 χ^2/NDF:3071528.5/24

Right Out: 3227.959+/-0.704 χ^2/NDF: 7101885.7/28

Left In: 4801.570+/-0.809 χ^2/NDF:1231894.6/22

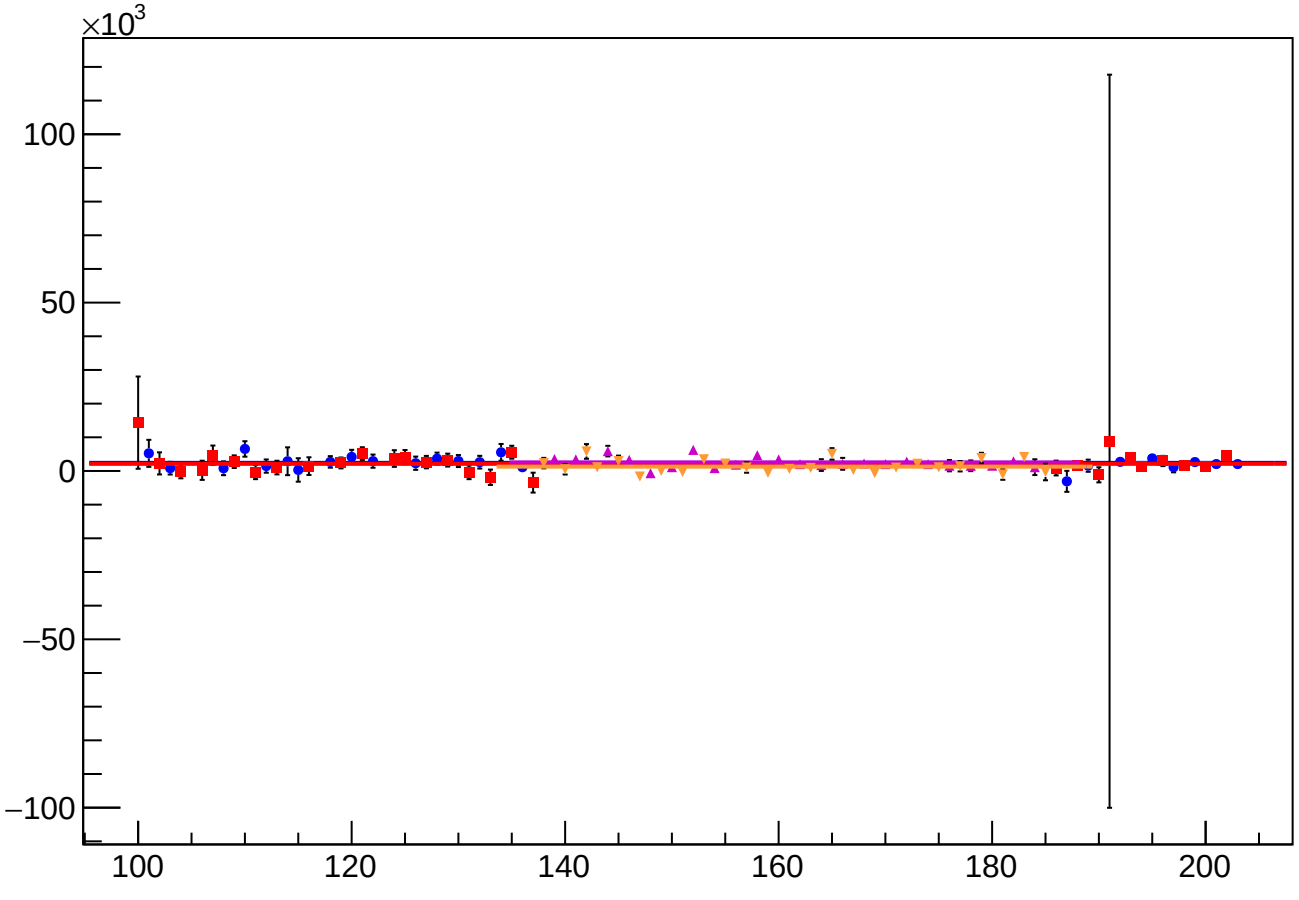
Left: 4556.247+/-0.544 χ^2/NDF: 4470822.6/47

Right: 3313.682+/-0.516 χ^2/NDF: 13149054.0/52

In: 4062.903+/-0.554 χ^2/NDF:8812088.5/46

Out: 3767.572+/-0.508 χ^2/NDF:11400709.9/53

All: 3902.558+/-0.374 χ^2/NDF: 20367277.9/



Right In: 2411.097+/-373.476 χ^2/NDF: 14.5/23

Left Out: 1284.422+/-300.530 χ^2/NDF:33.4/24

Right Out: 2116.968+/-360.058 χ^2/NDF: 29.7/28

Left In: 2531.791+/-312.886 χ^2/NDF:25.0/22

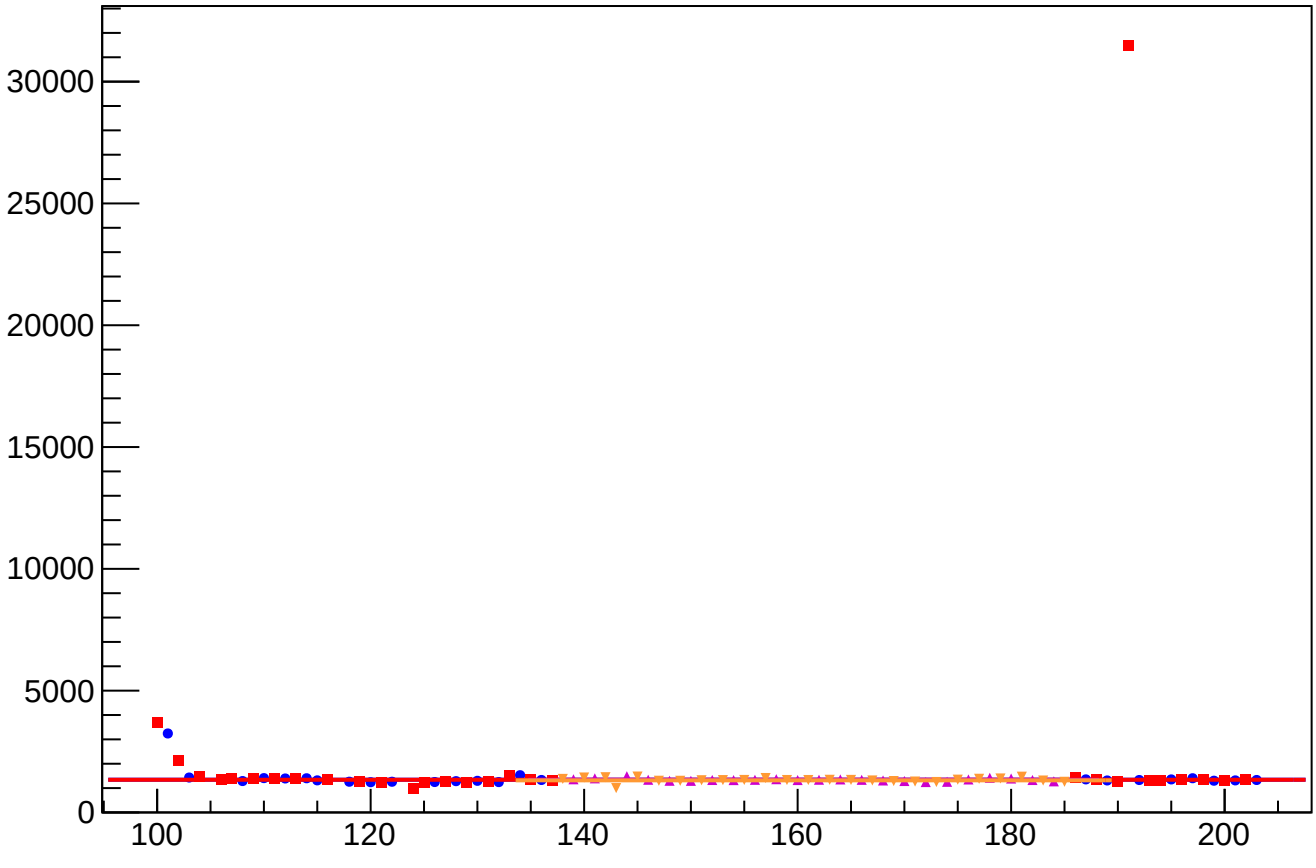
Left: 1882.989+/-216.743 χ^2/NDF: 66.7/47

Right: 2258.654+/-259.213 χ^2/NDF: 44.5/52

In: 2482.016+/-239.842 χ^2/NDF:39.6/46

Out: 1626.275+/-230.721 χ^2/NDF:66.2/53

All: 2037.566+/-166.276 χ^2/NDF: 112.4/100



Right In: 1344.108+/-0.264 χ^2/NDF: 501025.7/23

Left Out: 1318.174+/-0.213 χ^2/NDF:248547.7/24

Right Out: 1341.654+/-0.255 χ^2/NDF: 435031.9/28

Left In: 1338.602+/-0.221 χ^2/NDF:54248.5/22

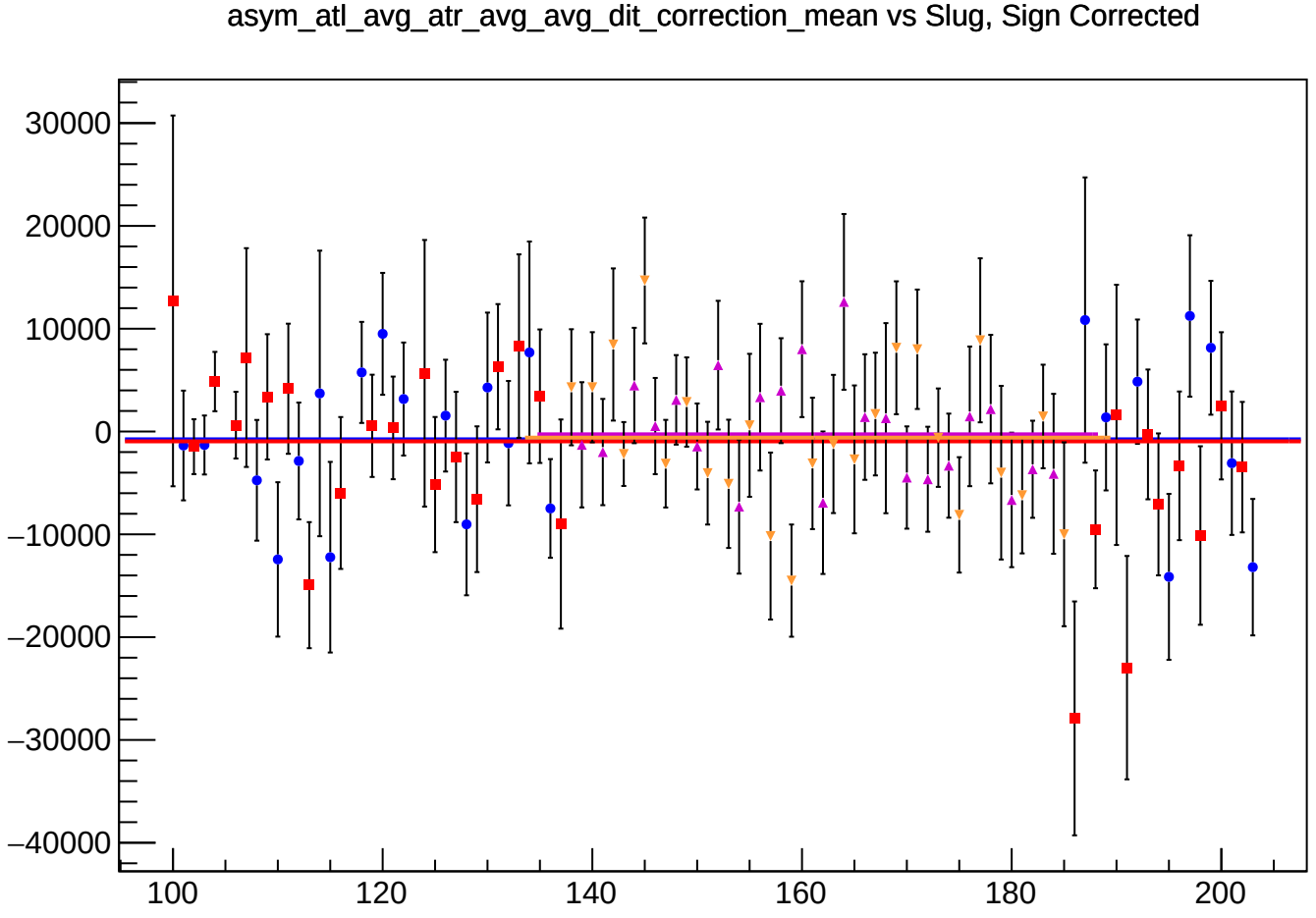
Left: 1327.977+/-0.153 χ^2/NDF: 307230.5/47

Right: 1342.836+/-0.183 χ^2/NDF: 936102.3/52

In: 1340.873+/-0.170 χ^2/NDF:555529.5/46

Out: 1327.819+/-0.163 χ^2/NDF:688594.4/53

All: 1334.092+/-0.118 χ^2/NDF: 1247201.3/10



Right In: -758.673+/-1233.004 χ^2/NDF: 26.9/23

Left Out: -594.916+/-1122.287 χ^2/NDF:29.5/24

Right Out: -955.831+/-1073.787 χ^2/NDF: 31.8/28

Left In: -272.915+/-1196.804 χ^2/NDF:13.4/22

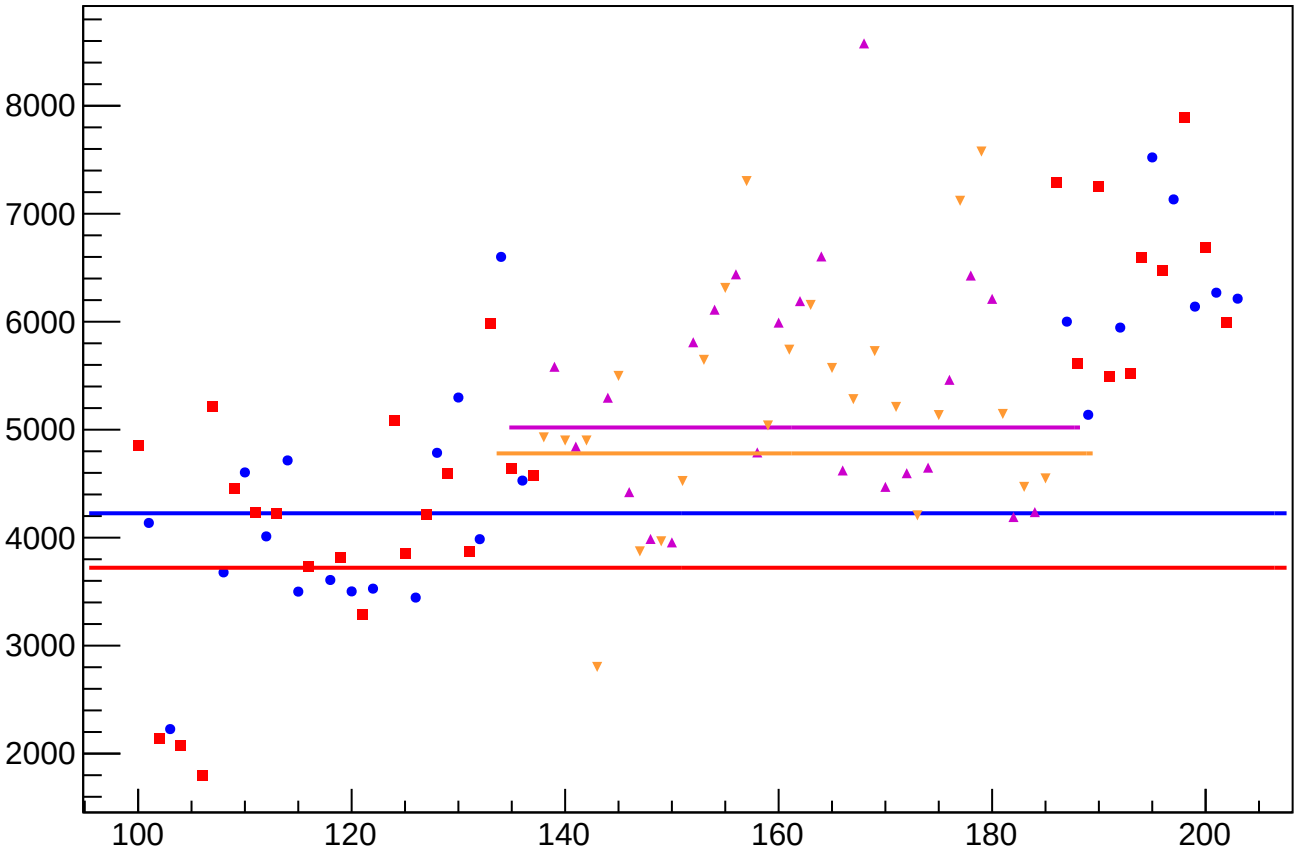
Left: -444.251+/-818.653 χ^2/NDF: 43.0/47

Right: -870.796+/-809.762 χ^2/NDF: 58.7/52

In: -508.559+/-858.781 χ^2/NDF:40.3/46

Out: -783.340+/-775.862 χ^2/NDF:61.4/53

All: -659.852+/-575.706 χ^2/NDF: 101.8/100



Right In: 4225.858+/-0.872 χ^2/NDF: 2669222.1/23

Left Out: 4780.396+/-0.794 χ^2/NDF:2006245.3/24

Right Out: 3721.328+/-0.759 χ^2/NDF: 4909831.1/28

Left In: 5020.560+/-0.846 χ^2/NDF:1225091.9/22

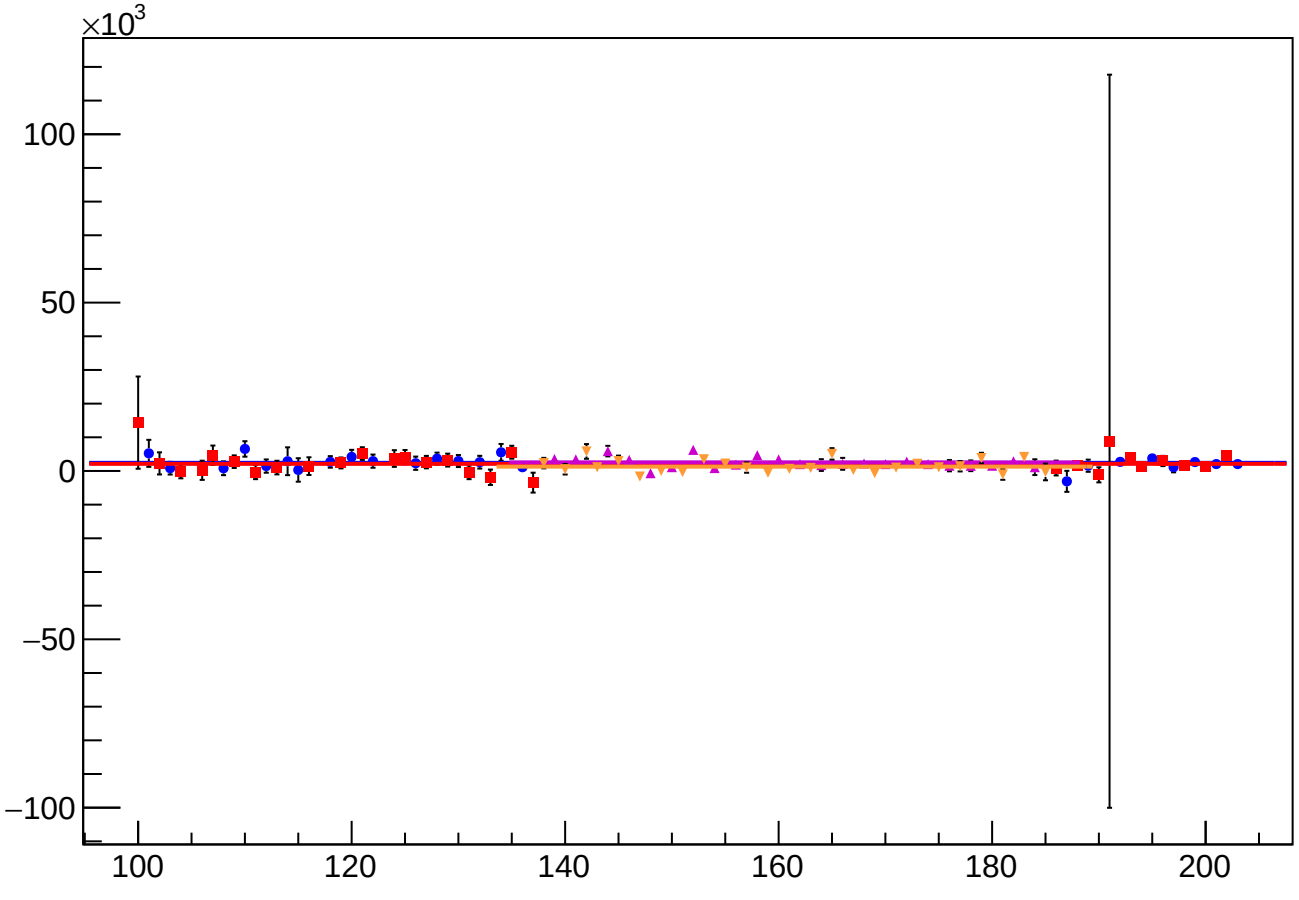
Left: 4892.769+/-0.579 χ^2/NDF: 3274191.3/47

Right: 3938.935+/-0.573 χ^2/NDF: 7769491.1/52

In: 4635.046+/-0.607 χ^2/NDF:4322101.6/46

Out: 4227.484+/-0.549 χ^2/NDF:7845902.7/53

All: 4410.644+/-0.407 χ^2/NDF: 12416023.0/1



Right In: 2411.093+/-373.476 χ^2/NDF: 14.5/23

Left Out: 1284.416+/-300.530 χ^2/NDF:33.4/24

Right Out: 2116.968+/-360.058 χ^2/NDF: 29.7/28

Left In: 2531.791+/-312.887 χ^2/NDF:25.0/22

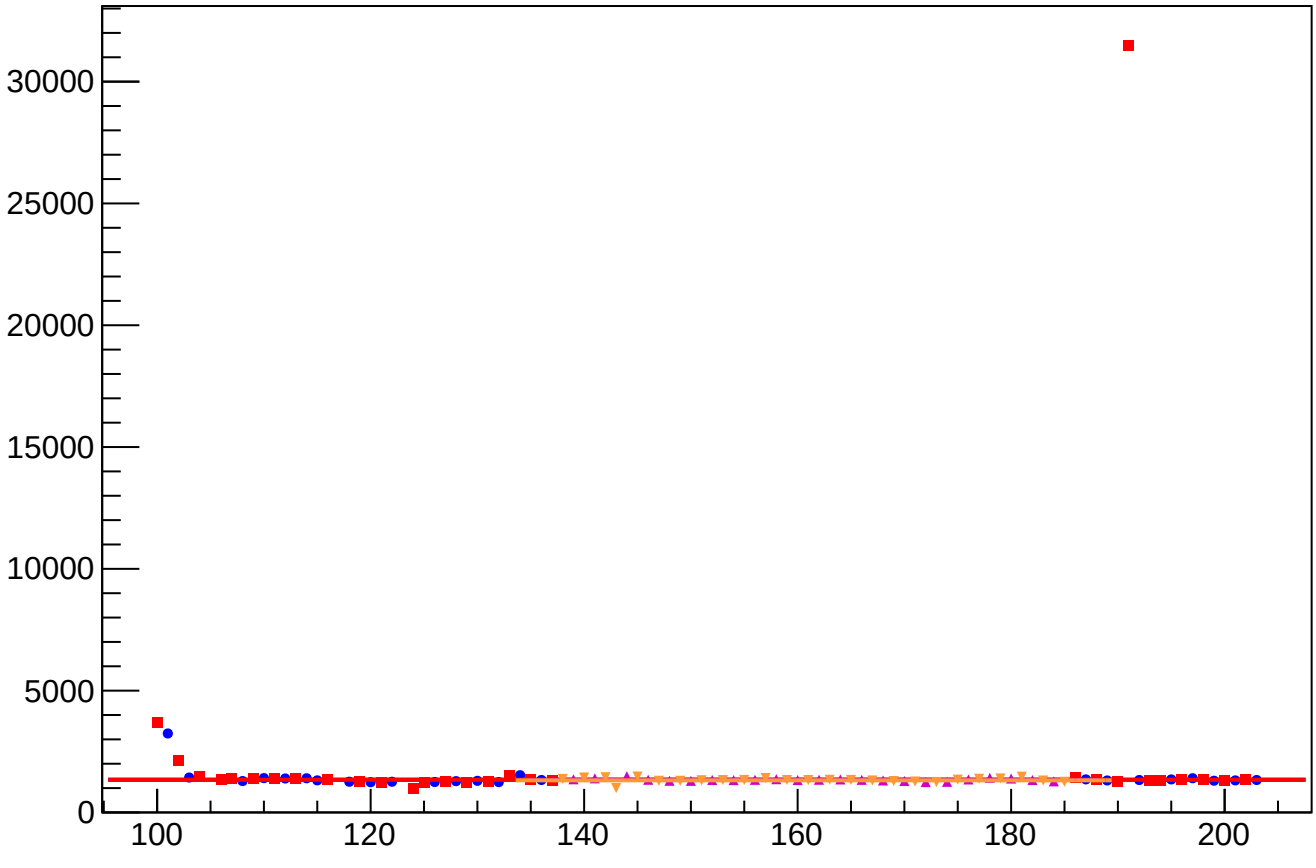
Left: 1882.986+/-216.744 χ^2/NDF: 66.7/47

Right: 2258.652+/-259.213 χ^2/NDF: 44.5/52

In: 2482.014+/-239.842 χ^2/NDF:39.6/46

Out: 1626.273+/-230.721 χ^2/NDF:66.2/53

All: 2037.563+/-166.276 χ^2/NDF: 112.4/100



Right In: 1344.108+/-0.264 χ^2/NDF: 501025.8/23

Left Out: 1318.176+/-0.213 χ^2/NDF:248550.2/24

Right Out: 1341.654+/-0.255 χ^2/NDF: 435030.8/28

Left In: 1338.604+/-0.221 χ^2/NDF:54251.0/22

Left: 1327.978+/-0.153 χ^2/NDF: 307235.6/47

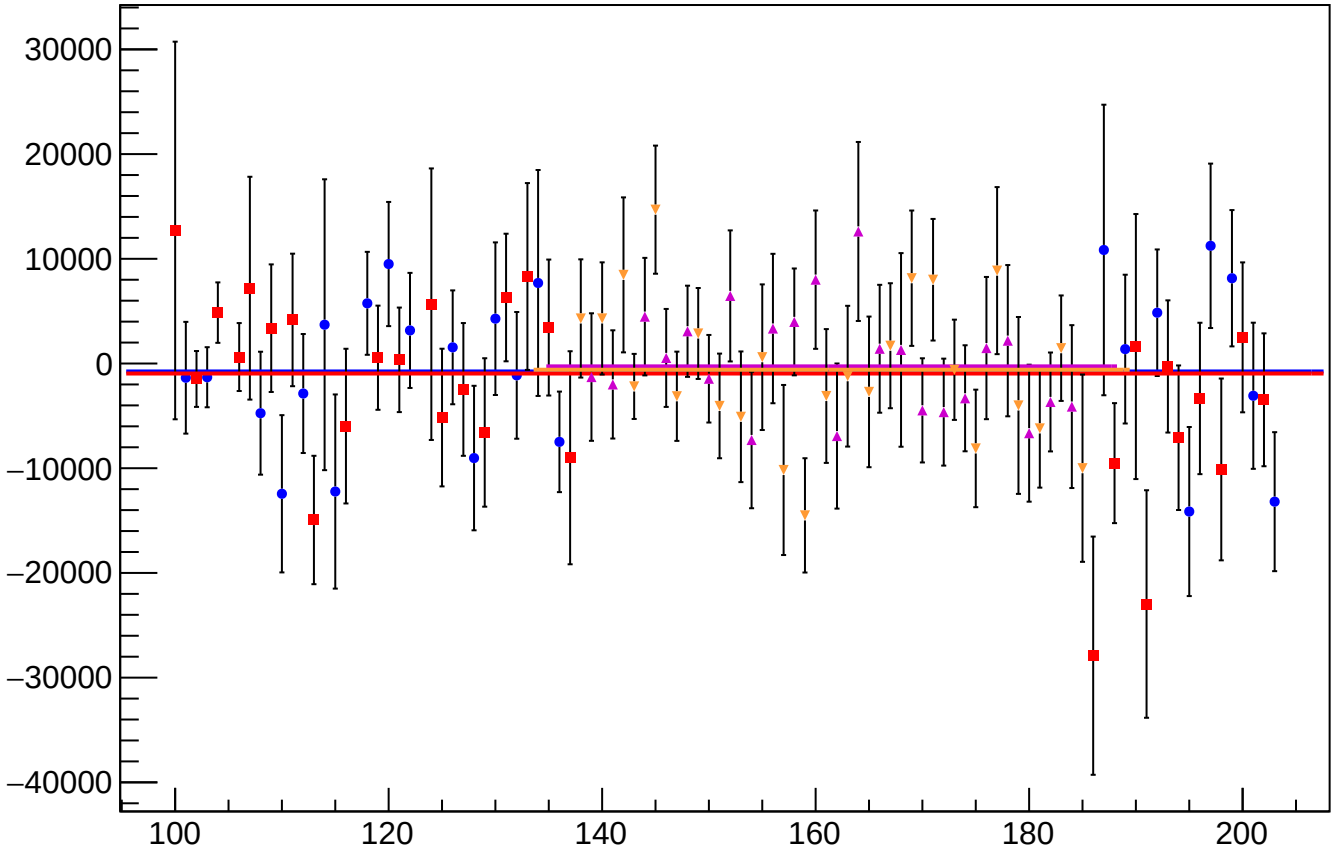
Right: 1342.836+/-0.183 χ^2/NDF: 936101.4/52

In: 1340.874+/-0.170 χ^2/NDF:555532.1/46

Out: 1327.820+/-0.163 χ^2/NDF:688595.2/53

All: 1334.093+/-0.118 χ^2/NDF: 1247204.6/10

asym_atl_avg_atr_avg_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -758.667+/-1233.002 χ^2/NDF: 26.9/23

Left Out: -594.920+/-1122.288 χ^2/NDF:29.5/24

Right Out: -955.824+/-1073.785 χ^2/NDF: 31.8/28

Left In: -272.917+/-1196.806 χ^2/NDF:13.4/22

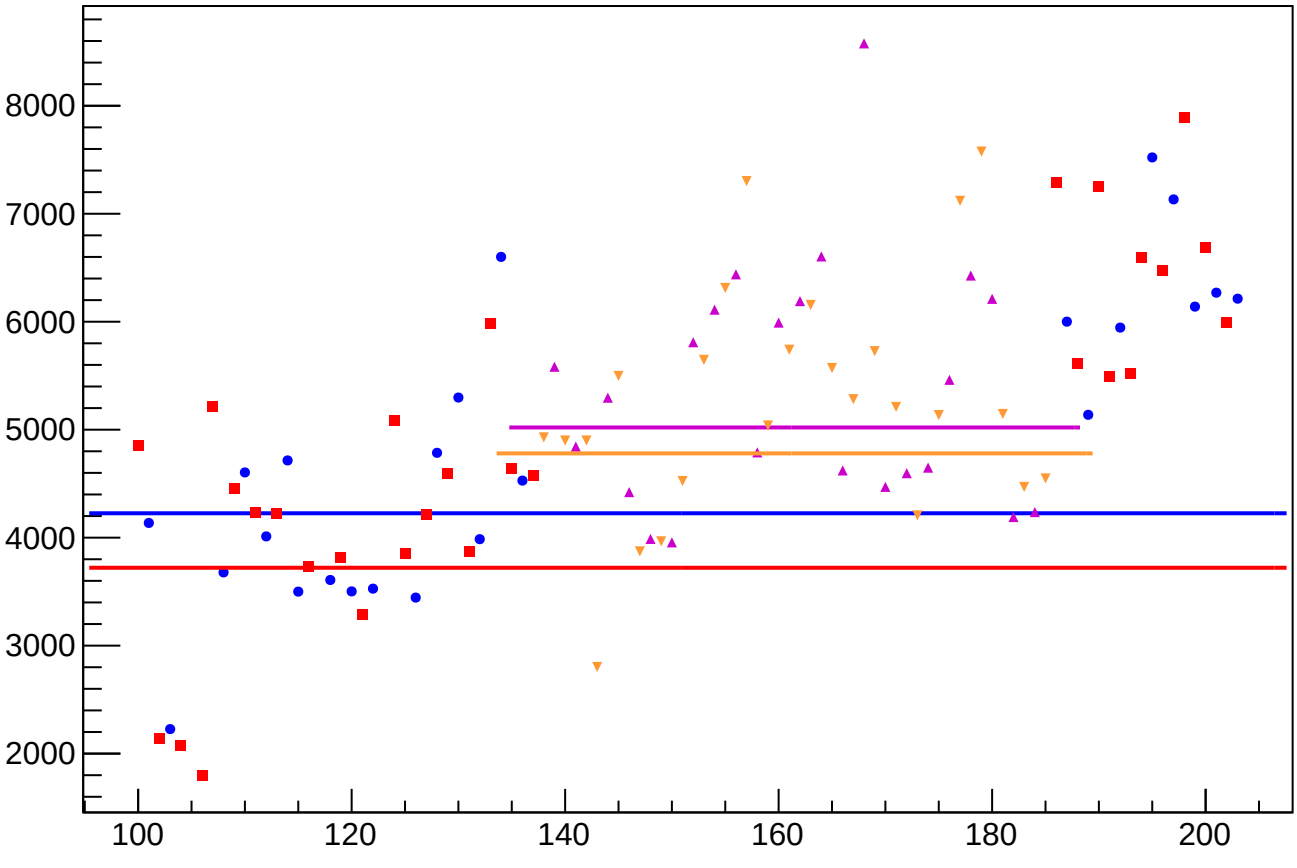
Left: -444.254+/-818.655 χ^2/NDF: 43.0/47

Right: -870.789+/-809.761 χ^2/NDF: 58.7/52

In: -508.557+/-858.781 χ^2/NDF:40.3/46

Out: -783.339+/-775.861 χ^2/NDF:61.4/53

All: -659.851+/-575.706 χ^2/NDF: 101.8/100



Right In: 4225.850+/-0.872 χ^2/NDF: 2669245.7/23

Left Out: 4780.404+/-0.794 χ^2/NDF:2006246.8/24

Right Out: 3721.319+/-0.759 χ^2/NDF: 4909859.6/28

Left In: 5020.567+/-0.846 χ^2/NDF:1225095.5/22

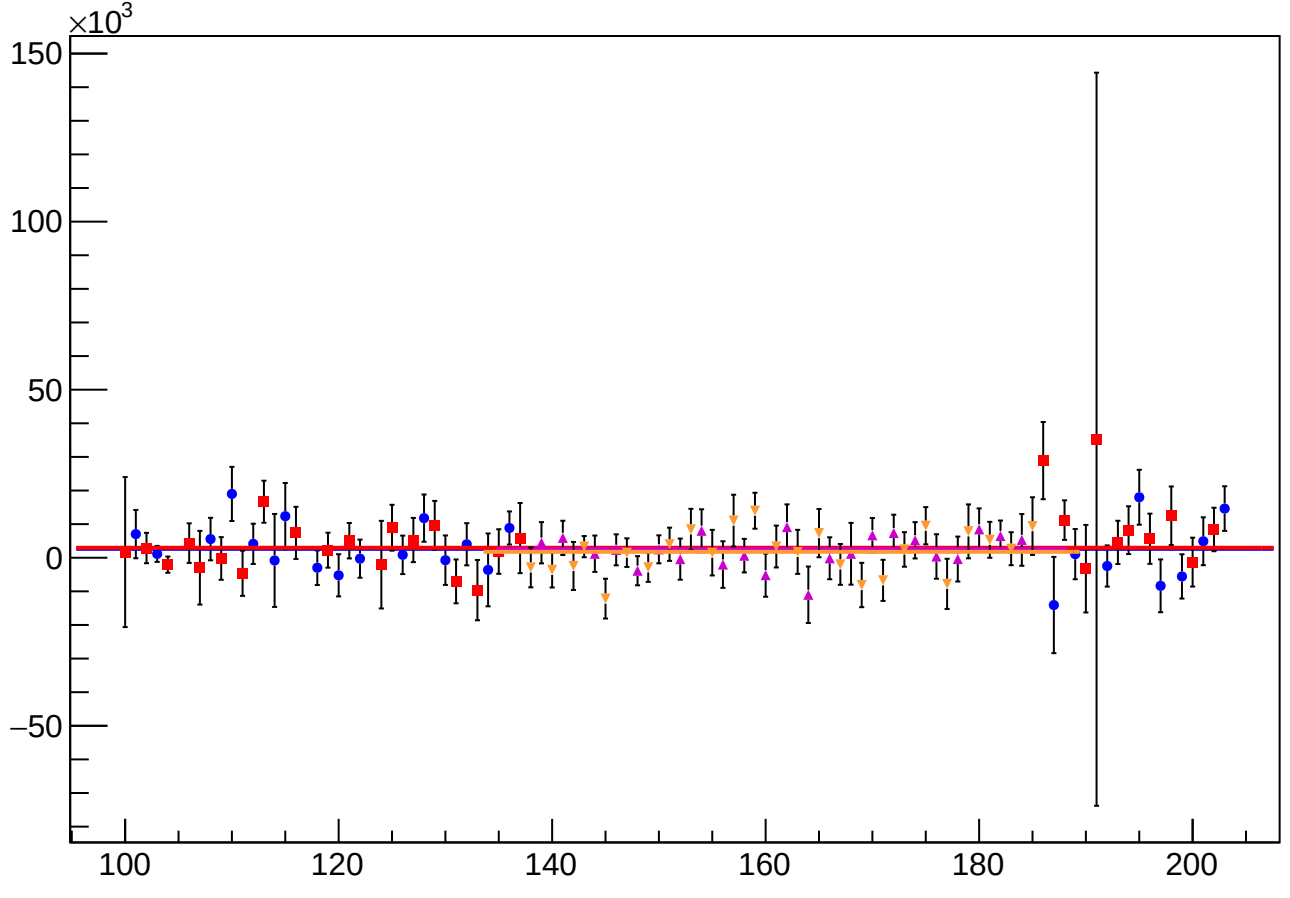
Left: 4892.776+/-0.579 χ^2/NDF: 3274196.2/47

Right: 3938.926+/-0.573 χ^2/NDF: 7769544.4/52

In: 4635.044+/-0.607 χ^2/NDF:4322145.9/46

Out: 4227.481+/-0.549 χ^2/NDF:7845962.5/53

All: 4410.642+/-0.407 χ^2/NDF: 12416129.0/



Right In: 2650.674+/-1227.179 χ^2/NDF: 25.7/23

Left Out: 1761.683+/-1116.232 χ^2/NDF:27.7/24

Right Out: 2969.931+/-1178.759 χ^2/NDF: 28.2/28

Left In: 2579.960+/-1188.448 χ^2/NDF:13.3/22

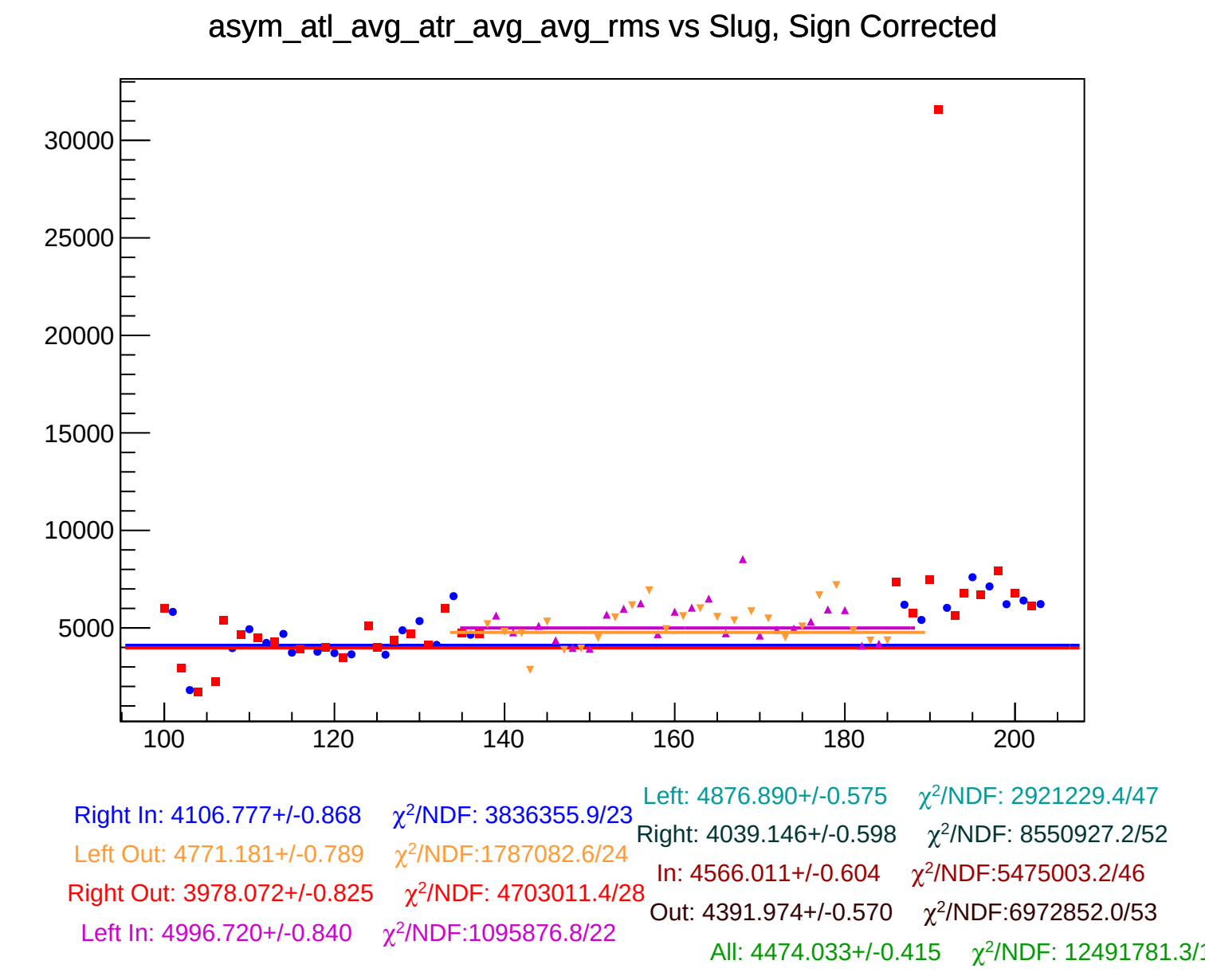
Left: 2145.206+/-813.628 χ^2/NDF: 41.2/47

Right: 2816.725+/-850.111 χ^2/NDF: 53.9/52

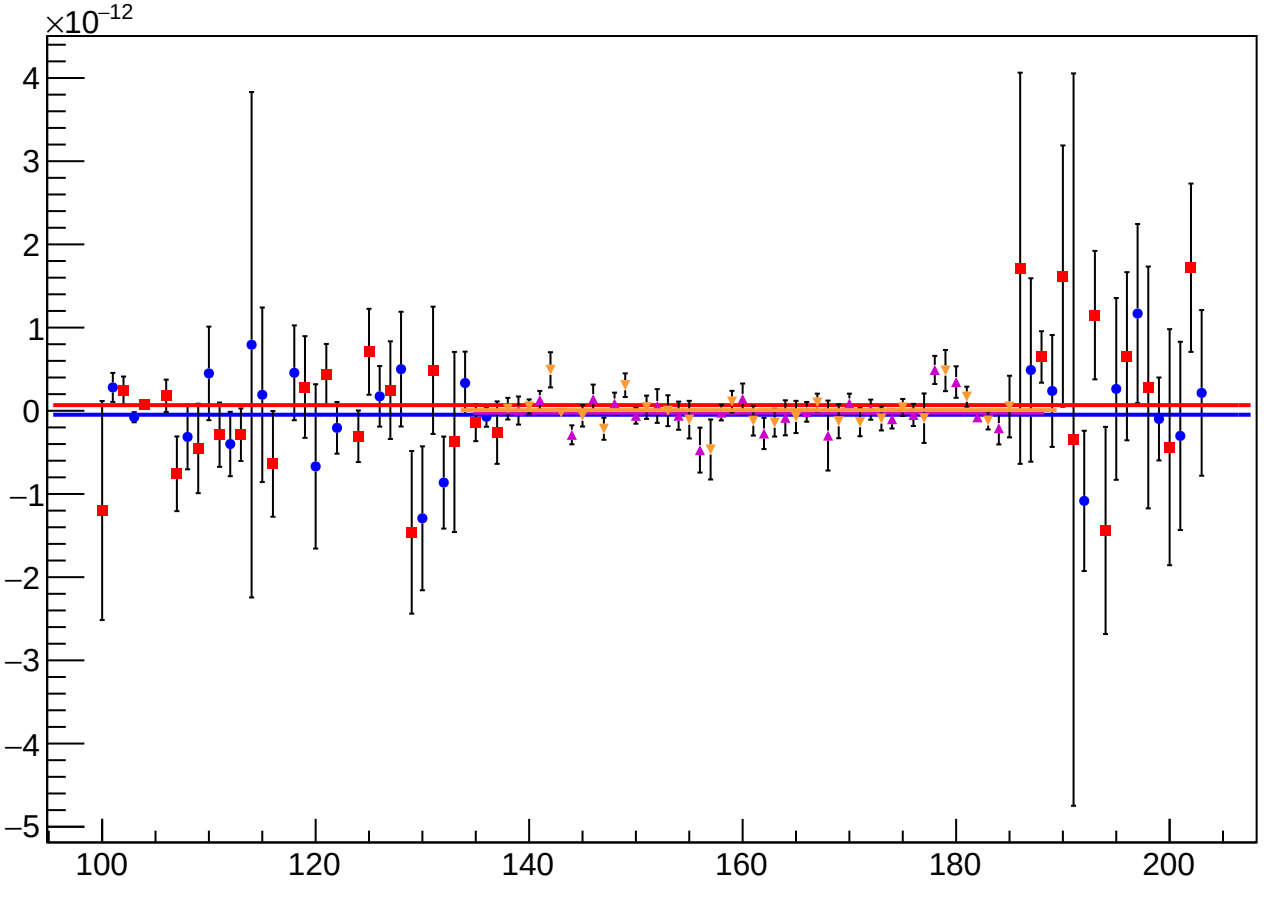
In: 2614.183+/-853.724 χ^2/NDF:39.0/46

Out: 2332.913+/-810.499 χ^2/NDF:56.4/53

All: 2466.247+/-587.796 χ^2/NDF: 95.4/100


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: 4106.777+/-0.868 χ²/NDF: 3836355.9/23
Left Out: 4771.181+/-0.789 χ²/NDF:1787082.6/24
Right Out: 3978.072+/-0.825 χ²/NDF: 4703011.4/28
Left In: 4996.720+/-0.840 χ²/NDF:1095876.8/22
Left: 4876.890+/-0.575 χ²/NDF: 2921229.4/47
Right: 4039.146+/-0.598 χ²/NDF: 8550927.2/52
In: 4566.011+/-0.604 χ²/NDF:5475003.2/46
Out: 4391.974+/-0.570 χ²/NDF:6972852.0/53
All: 4474.033+/-0.415 χ²/NDF: 12491781.3/

asym_atl_avg_atr_avg_avg_reg_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.000 χ^2/NDF: 17.2/23

Left Out: 0.000+/-0.000 χ^2/NDF:27.1/24

Right Out: 0.000+/-0.000 χ^2/NDF: 30.3/28

Left In: -0.000+/-0.000 χ^2/NDF:31.7/22

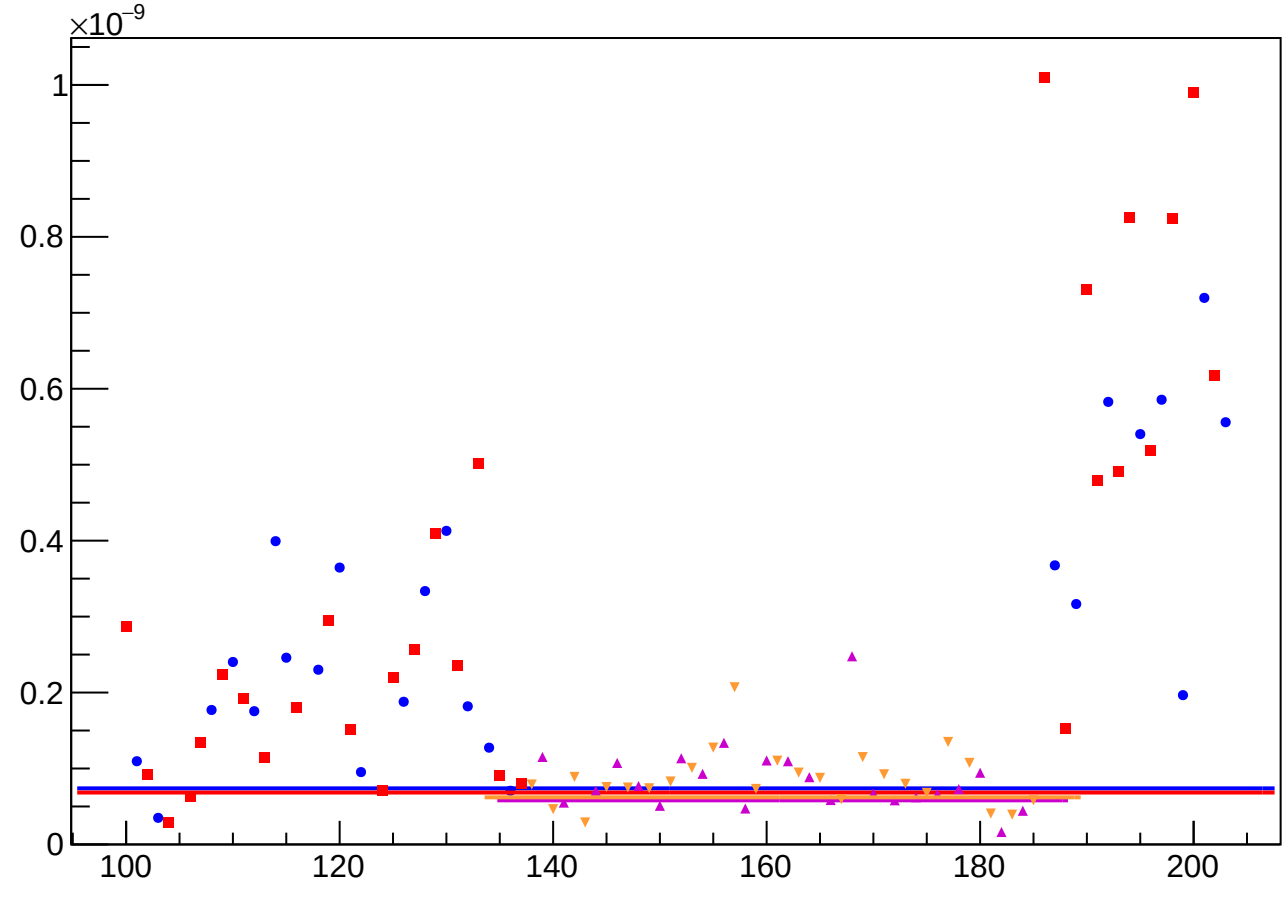
Left: -0.000+/-0.000 χ^2/NDF: 59.5/47

Right: 0.000+/-0.000 χ^2/NDF: 50.4/52

In: -0.000+/-0.000 χ^2/NDF:49.0/46

Out: 0.000+/-0.000 χ^2/NDF:58.7/53

All: -0.000+/-0.000 χ^2/NDF: 110.2/100



Right In: 0.000+/-0.000 χ^2/NDF: 5850230.1/23

Left Out: 0.000+/-0.000 χ^2/NDF:2443383.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 7496034.3/28

Left In: 0.000+/-0.000 χ^2/NDF:2966562.8/22

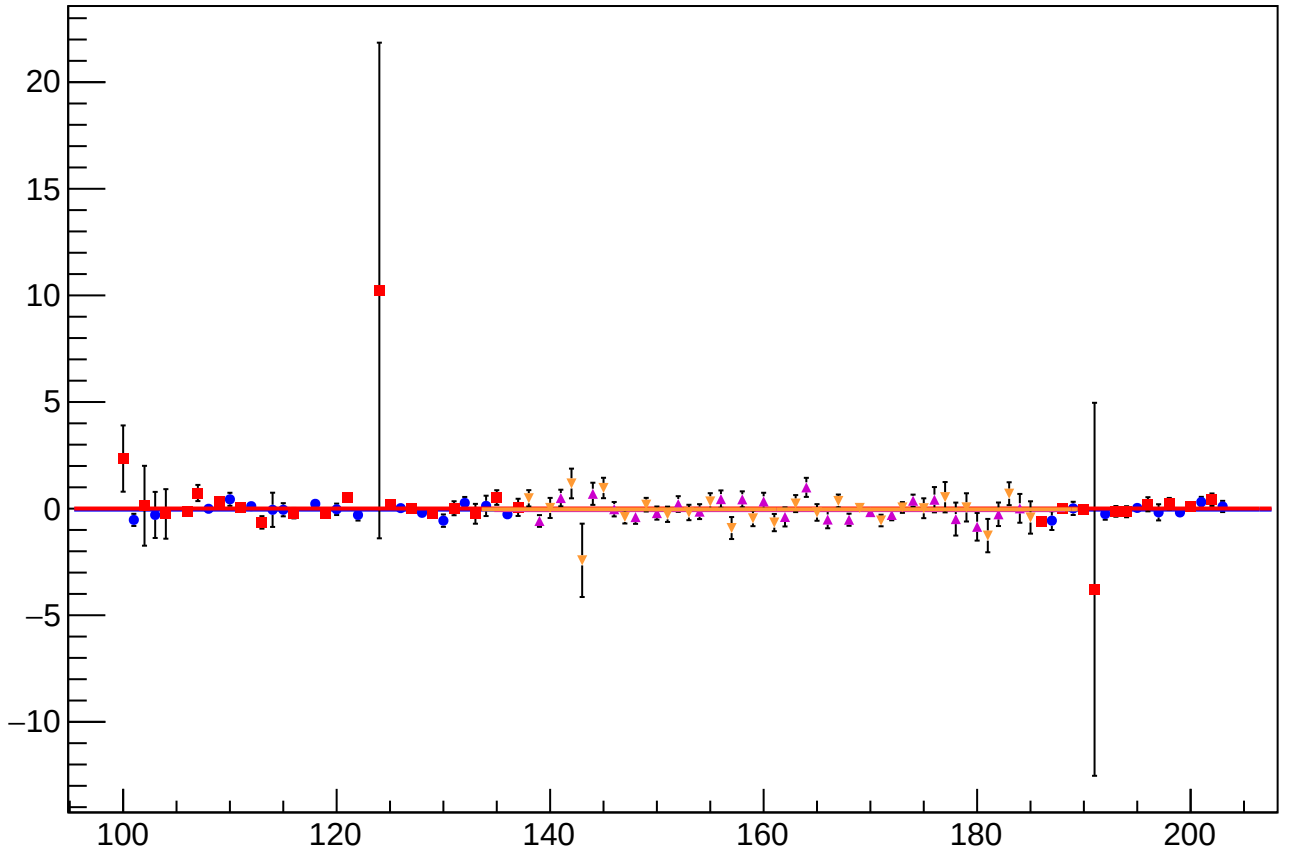
Left: 0.000+/-0.000 χ^2/NDF: 5432557.1/47

Right: 0.000+/-0.000 χ^2/NDF: 13359715.2/52

In: 0.000+/-0.000 χ^2/NDF:8983494.1/46

Out: 0.000+/-0.000 χ^2/NDF:9967664.7/53

All: 0.000+/-0.000 χ^2/NDF: 18957197.6/100



Right In: -0.047+/-0.055 χ^2/NDF: 20.0/23

Left Out: -0.035+/-0.077 χ^2/NDF:32.5/24

Right Out: 0.005+/-0.047 χ^2/NDF: 39.3/28

Left In: -0.069+/-0.075 χ^2/NDF:29.9/22

Left: -0.052+/-0.054 χ^2/NDF: 62.6/47

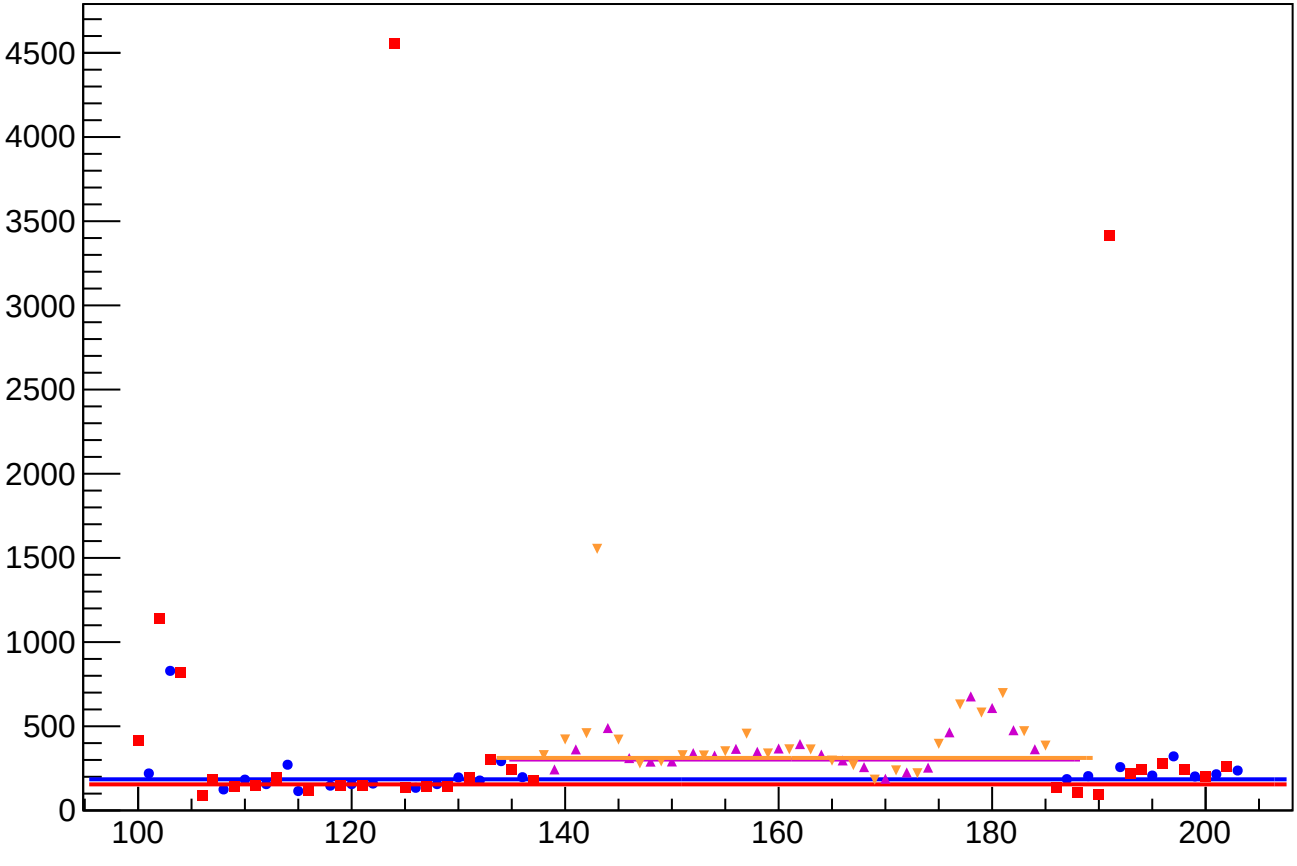
Right: -0.017+/-0.036 χ^2/NDF: 59.8/52

In: -0.055+/-0.044 χ^2/NDF:49.9/46

Out: -0.006+/-0.040 χ^2/NDF:72.0/53

All: -0.028+/-0.030 χ^2/NDF: 122.6/100

asym_atl_avg_atr_avg_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 185.062+/-0.039 χ^2/NDF: 1991058.3/23

Left Out: 311.961+/-0.054 χ^2/NDF:4350162.2/24

Right Out: 154.901+/-0.033 χ^2/NDF: 4459248.1/28

Left In: 302.375+/-0.053 χ^2/NDF:2808730.8/22

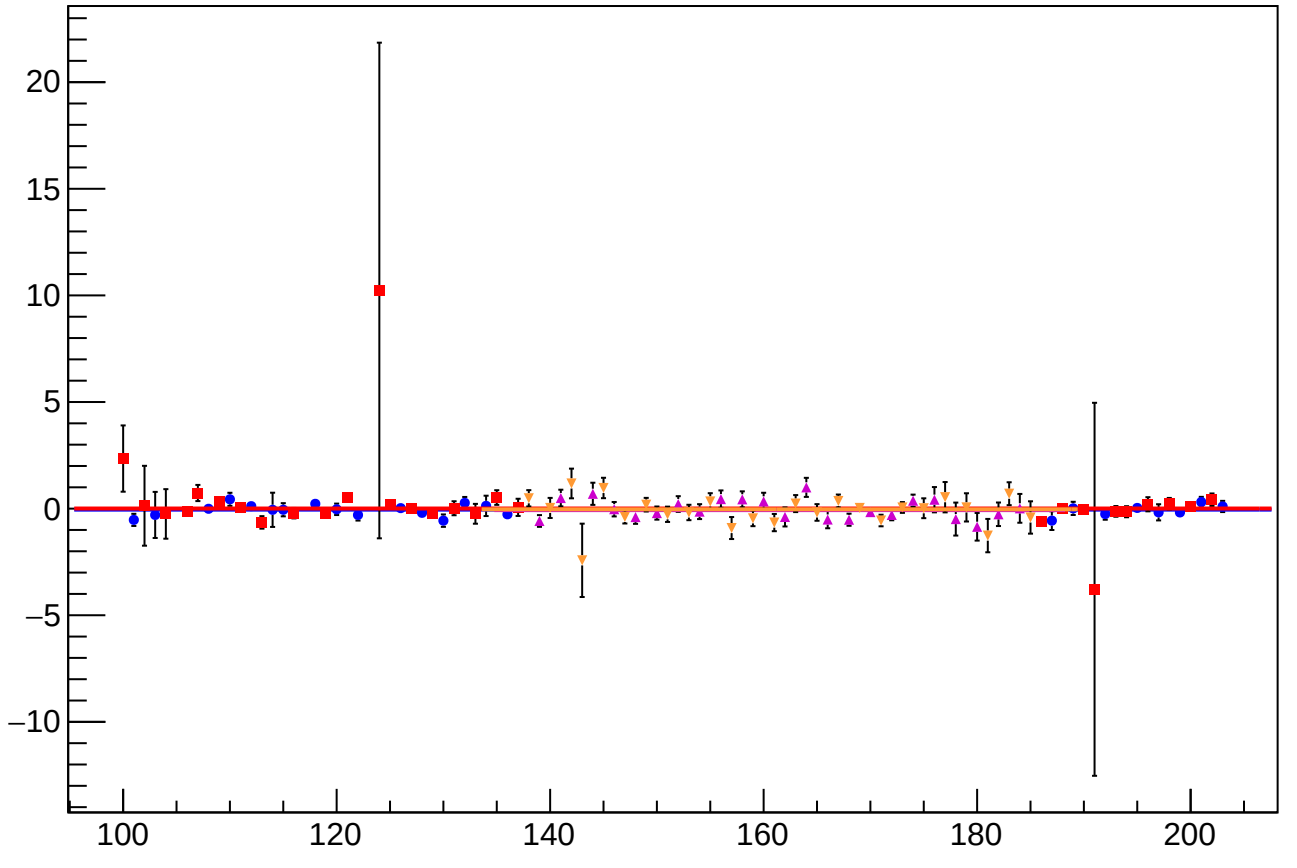
Left: 307.056+/-0.038 χ^2/NDF: 7174887.7/47

Right: 167.586+/-0.025 χ^2/NDF: 6801151.6/52

In: 225.984+/-0.031 χ^2/NDF:7995064.4/46

Out: 197.400+/-0.028 χ^2/NDF:14930584.4/53

All: 210.218+/-0.021 χ^2/NDF: 23386274.8/10



Right In: -0.047+/-0.055 χ^2/NDF: 20.0/23

Left Out: -0.035+/-0.077 χ^2/NDF:32.5/24

Right Out: 0.005+/-0.047 χ^2/NDF: 39.3/28

Left In: -0.069+/-0.075 χ^2/NDF:29.9/22

Left: -0.052+/-0.054 χ^2/NDF: 62.6/47

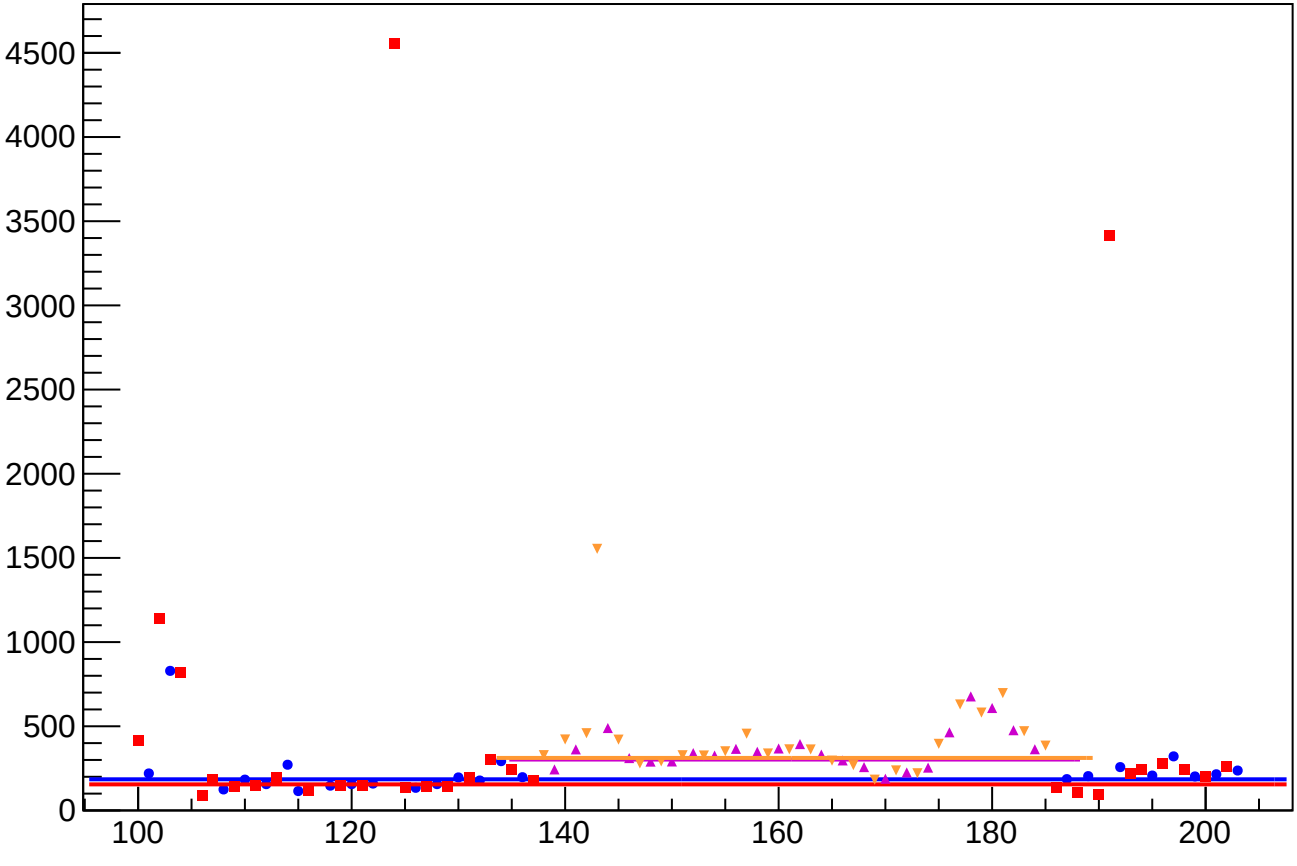
Right: -0.017+/-0.036 χ^2/NDF: 59.8/52

In: -0.055+/-0.044 χ^2/NDF:49.9/46

Out: -0.006+/-0.040 χ^2/NDF:72.0/53

All: -0.028+/-0.030 χ^2/NDF: 122.6/100

asym_atl_avg_atr_avg_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 185.062+/-0.039 χ^2/NDF: 1991058.3/23

Left Out: 311.961+/-0.054 χ^2/NDF:4350162.2/24

Right Out: 154.901+/-0.033 χ^2/NDF: 4459248.1/28

Left In: 302.375+/-0.053 χ^2/NDF:2808730.8/22

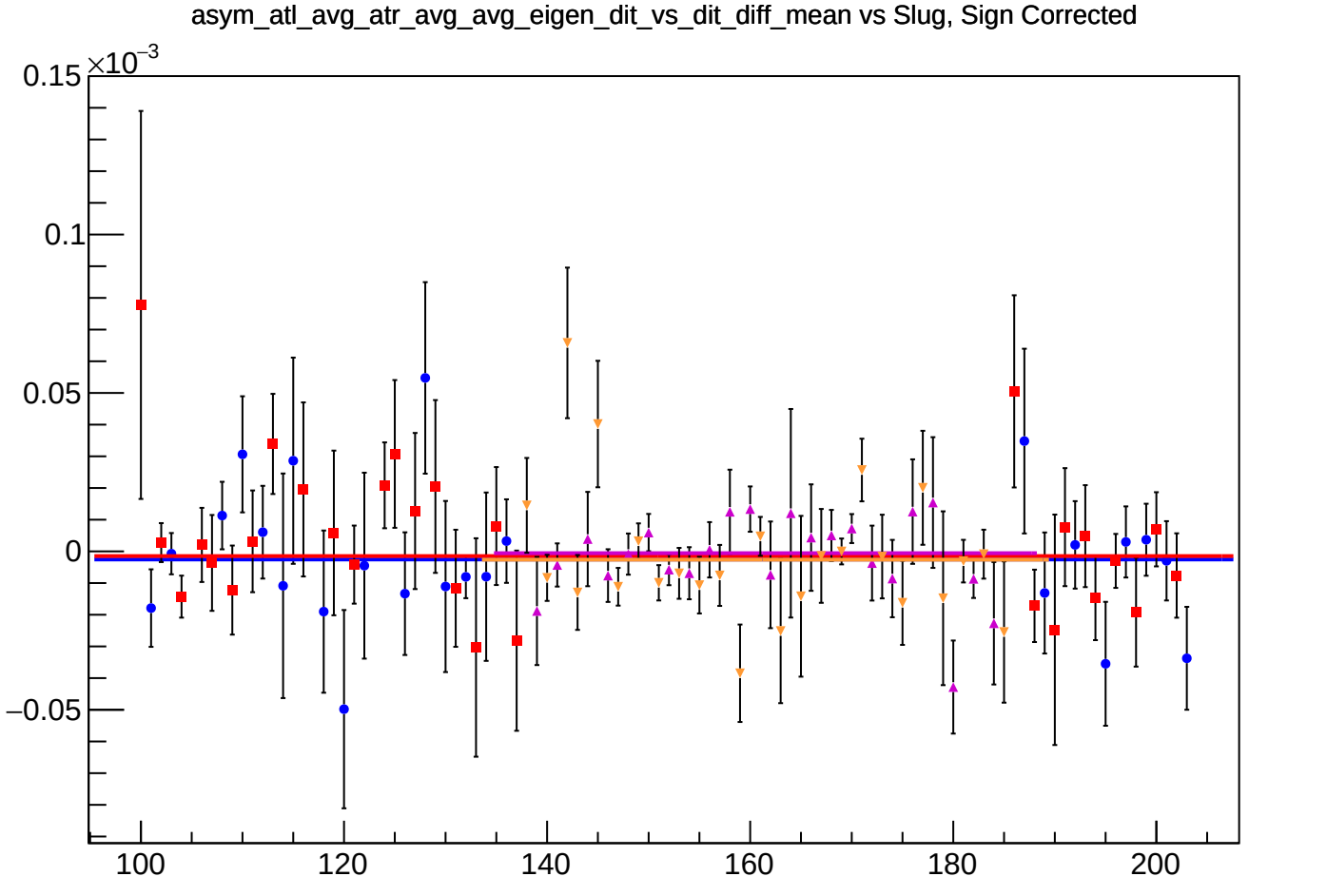
Left: 307.056+/-0.038 χ^2/NDF: 7174887.7/47

Right: 167.586+/-0.025 χ^2/NDF: 6801151.6/52

In: 225.984+/-0.031 χ^2/NDF:7995064.4/46

Out: 197.400+/-0.028 χ^2/NDF:14930584.4/53

All: 210.218+/-0.021 χ^2/NDF: 23386274.8/10



Right In: -0.000+/-0.000 χ^2/NDF: 24.7/23

Left Out: -0.000+/-0.000 χ^2/NDF:42.4/24

Right Out: -0.000+/-0.000 χ^2/NDF: 28.6/28

Left In: -0.000+/-0.000 χ^2/NDF:26.9/22

Left: -0.000+/-0.000 χ^2/NDF: 70.0/47

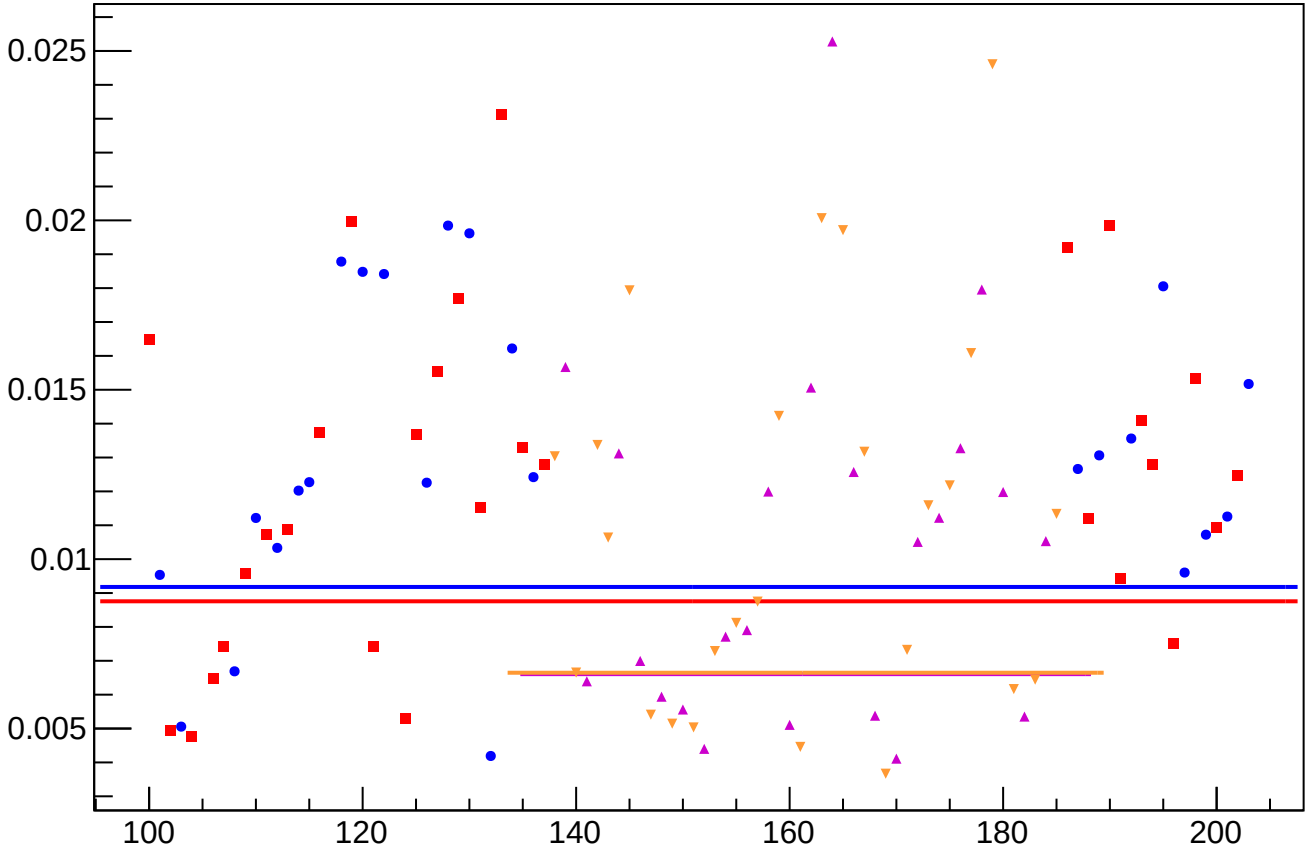
Right: -0.000+/-0.000 χ^2/NDF: 53.3/52

In: -0.000+/-0.000 χ^2/NDF:51.9/46

Out: -0.000+/-0.000 χ^2/NDF:71.1/53

All: -0.000+/-0.000 χ^2/NDF: 123.3/100

asym_atl_avg_atr_avg_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.009+/-0.000 χ^2/NDF: 4685036.4/23

Left Out: 0.007+/-0.000 χ^2/NDF:7513935.6/24

Right Out: 0.009+/-0.000 χ^2/NDF: 4767078.5/28

Left In: 0.007+/-0.000 χ^2/NDF:5855747.2/22

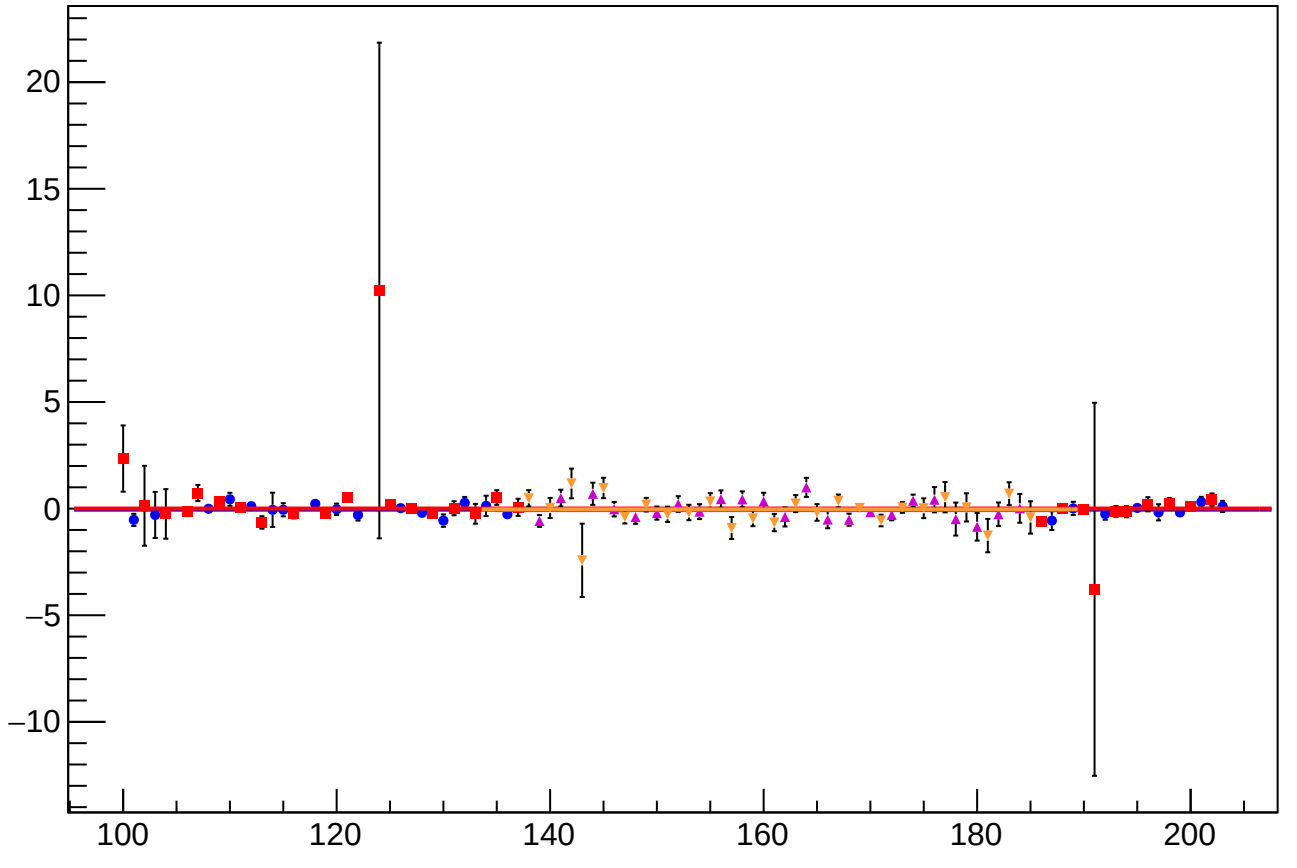
Left: 0.007+/-0.000 χ^2/NDF: 13370244.6/47

Right: 0.009+/-0.000 χ^2/NDF: 9476744.7/52

In: 0.007+/-0.000 χ^2/NDF:11722542.8/46

Out: 0.007+/-0.000 χ^2/NDF:13214377.5/53

All: 0.007+/-0.000 χ^2/NDF: 24937016.4/100



Right In: -0.047+/-0.055 χ^2/NDF: 20.0/23

Left Out: -0.035+/-0.077 χ^2/NDF:32.5/24

Right Out: 0.005+/-0.047 χ^2/NDF: 39.3/28

Left In: -0.069+/-0.075 χ^2/NDF:29.9/22

Left: -0.052+/-0.054 χ^2/NDF: 62.6/47

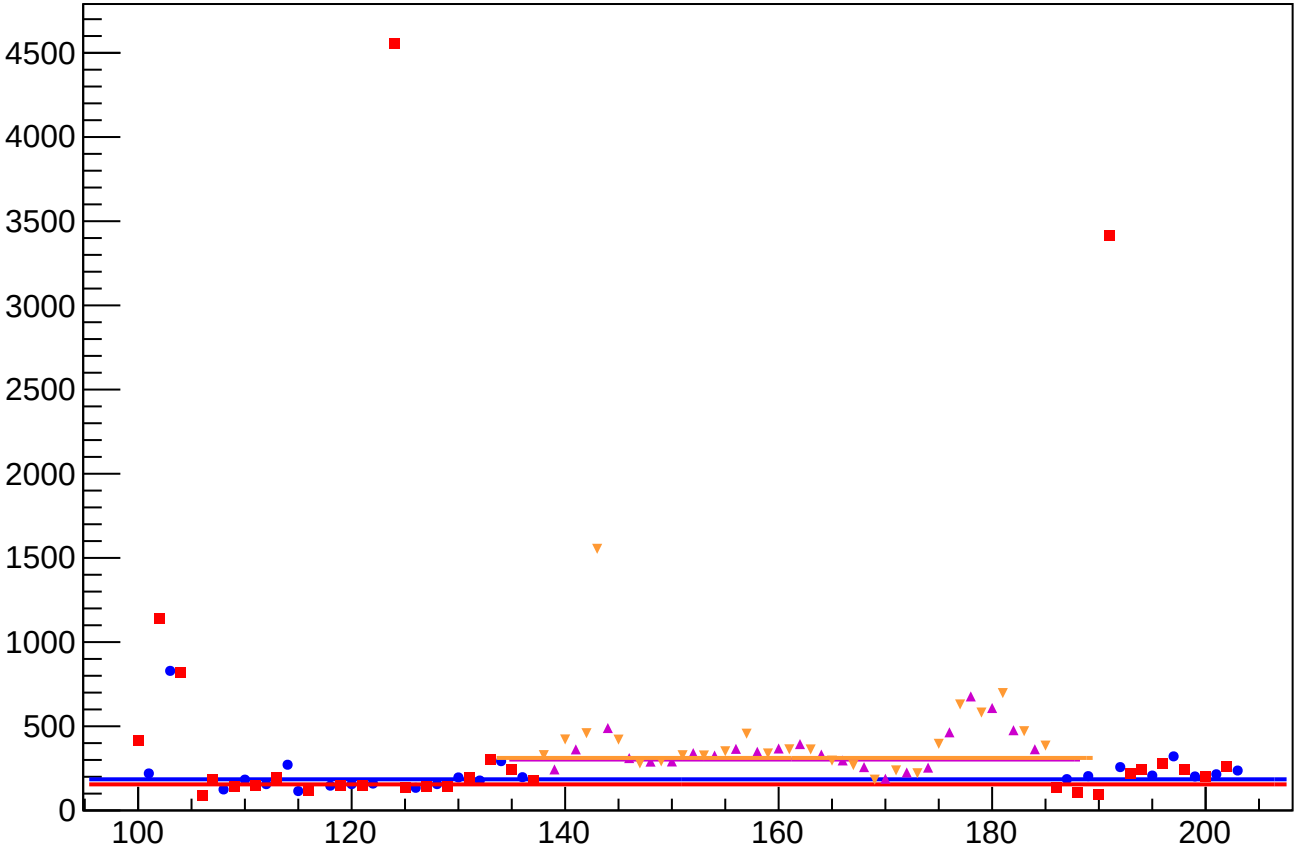
Right: -0.017+/-0.036 χ^2/NDF: 59.8/52

In: -0.055+/-0.044 χ^2/NDF:49.9/46

Out: -0.006+/-0.040 χ^2/NDF:72.0/53

All: -0.028+/-0.030 χ^2/NDF: 122.6/100

asym_atl_avg_atr_avg_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 185.062+/-0.039 χ^2/NDF: 1991071.2/23

Left Out: 311.961+/-0.054 χ^2/NDF:4350376.6/24

Right Out: 154.898+/-0.033 χ^2/NDF: 4459443.5/28

Left In: 302.377+/-0.053 χ^2/NDF:2808874.8/22

Left: 307.056+/-0.038 χ^2/NDF: 7175242.0/47

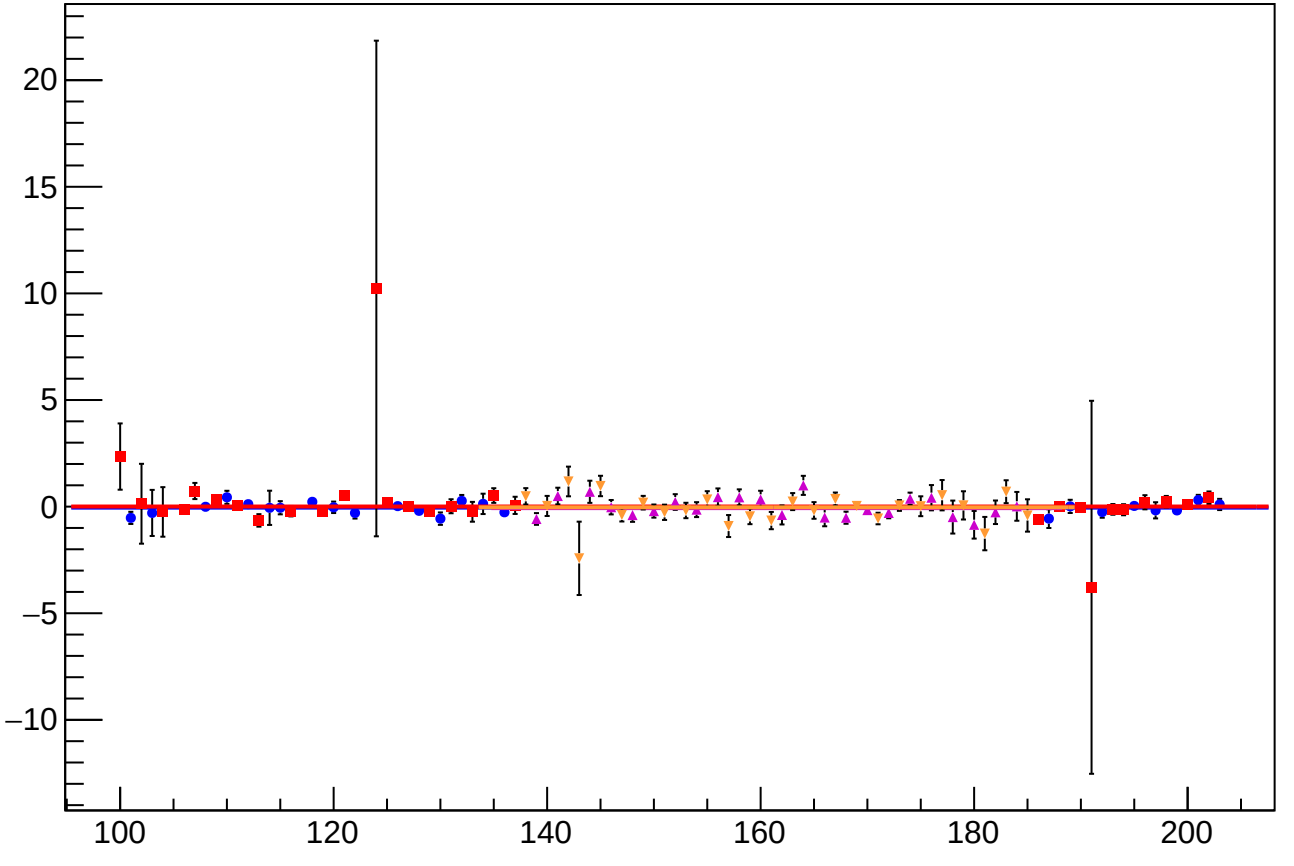
Right: 167.584+/-0.025 χ^2/NDF: 6801437.7/52

In: 225.984+/-0.031 χ^2/NDF:7995281.2/46

Out: 197.397+/-0.028 χ^2/NDF:14931287.0/53

All: 210.216+/-0.021 χ^2/NDF: 23387309.0/10

asym_atl_avg_atr_avg_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.047+/-0.055 χ^2/NDF: 20.0/23

Left Out: -0.035+/-0.077 χ^2/NDF:32.5/24

Right Out: 0.005+/-0.047 χ^2/NDF: 39.3/28

Left In: -0.069+/-0.075 χ^2/NDF:29.9/22

Left: -0.052+/-0.054 χ^2/NDF: 62.6/47

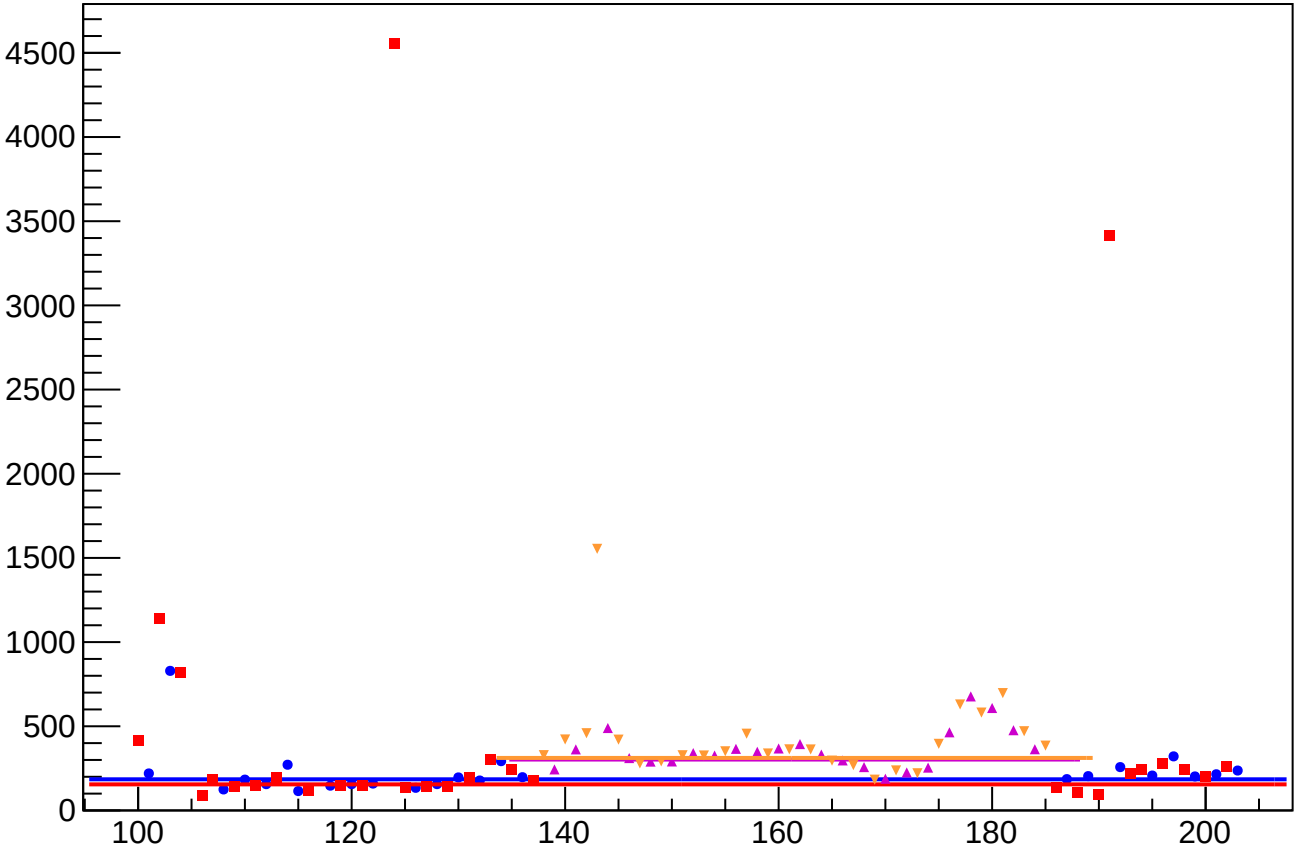
Right: -0.017+/-0.036 χ^2/NDF: 59.8/52

In: -0.055+/-0.044 χ^2/NDF:49.9/46

Out: -0.006+/-0.040 χ^2/NDF:72.0/53

All: -0.028+/-0.030 χ^2/NDF: 122.6/100

asym_atl_avg_atr_avg_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 185.062+/-0.039 χ^2/NDF: 1991071.2/23

Left Out: 311.961+/-0.054 χ^2/NDF:4350376.6/24

Right Out: 154.898+/-0.033 χ^2/NDF: 4459443.5/28

Left In: 302.377+/-0.053 χ^2/NDF:2808874.8/22

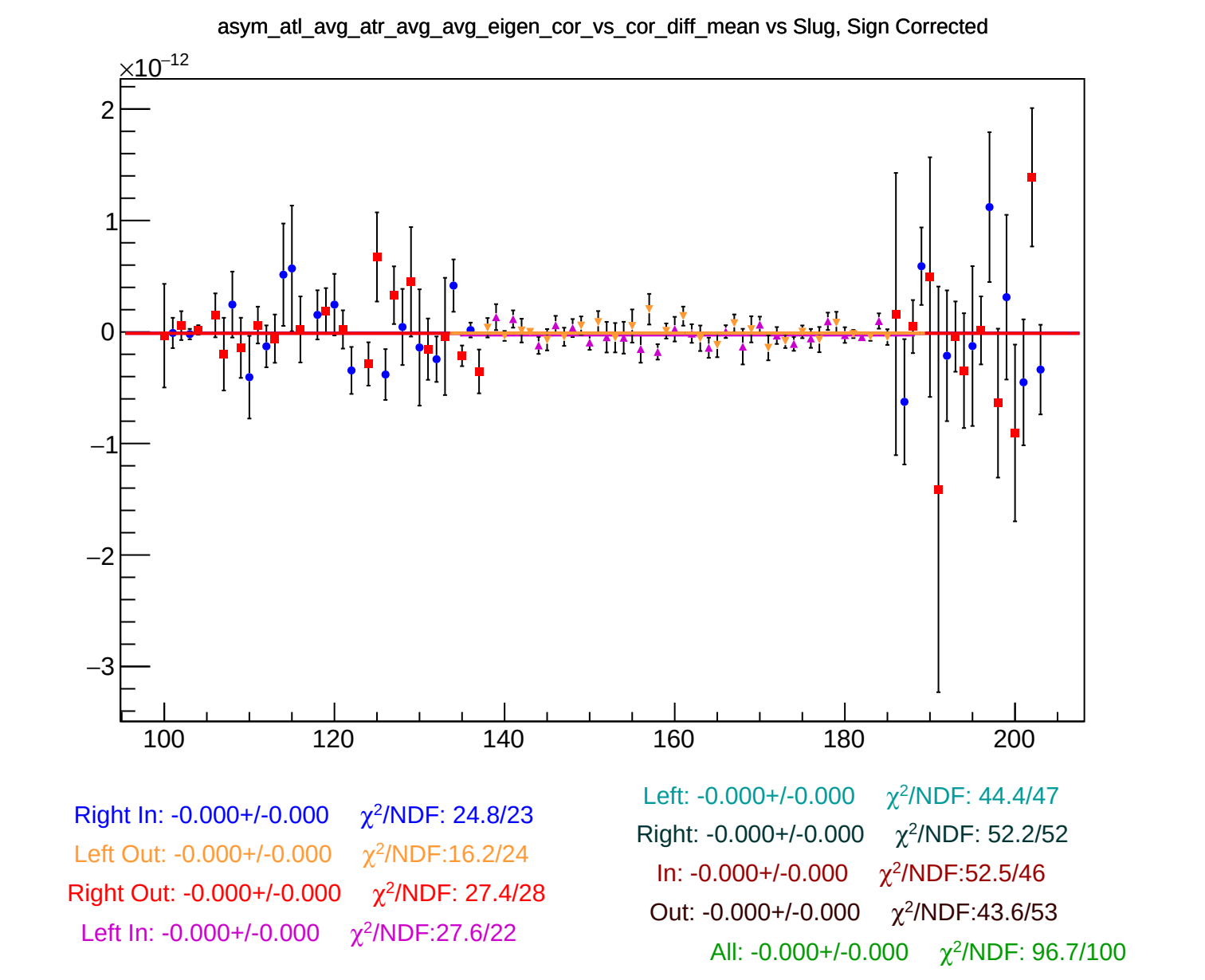
Left: 307.056+/-0.038 χ^2/NDF: 7175242.0/47

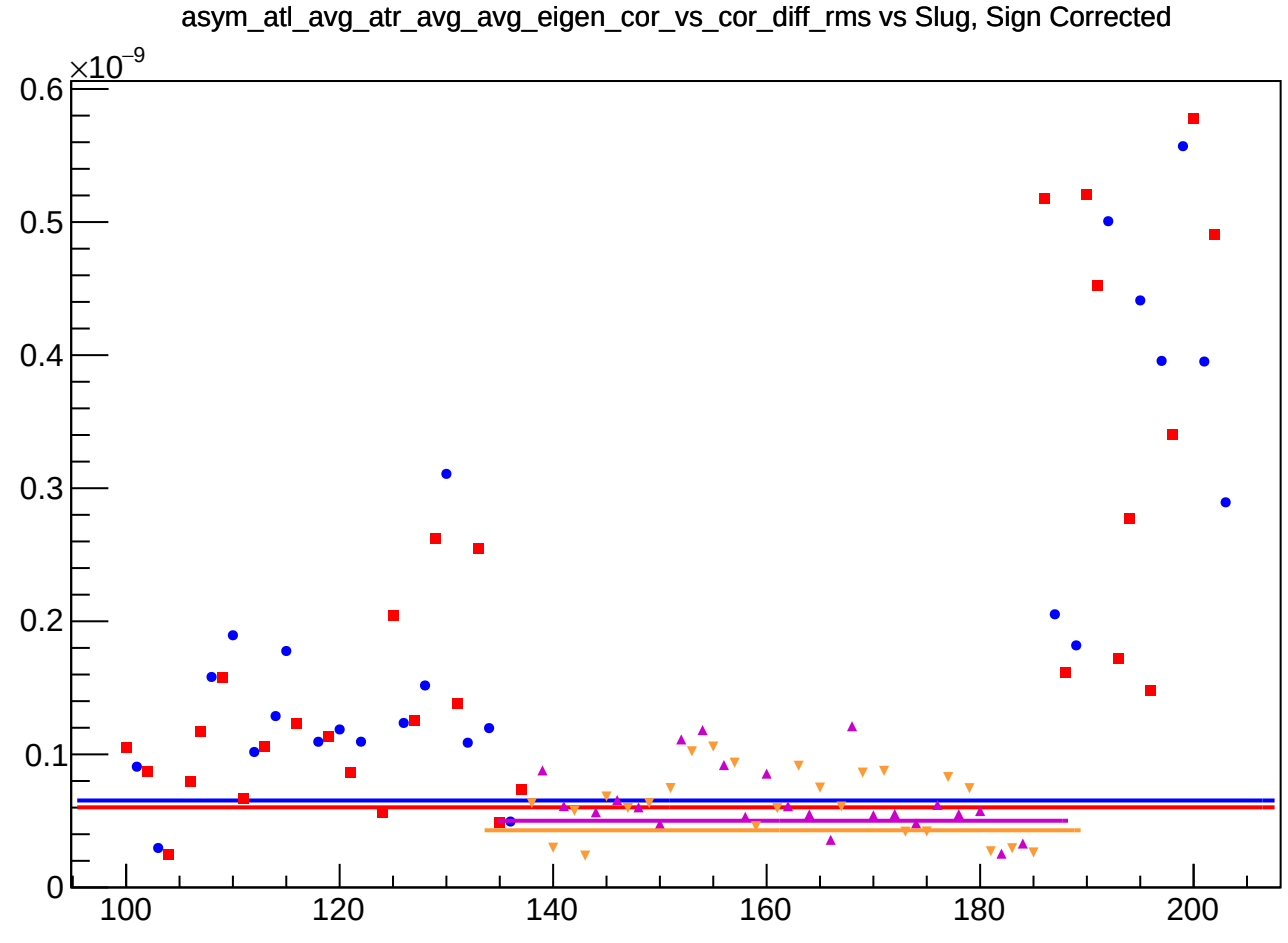
Right: 167.584+/-0.025 χ^2/NDF: 6801437.7/52

In: 225.984+/-0.031 χ^2/NDF:7995281.2/46

Out: 197.397+/-0.028 χ^2/NDF:14931287.0/53

All: 210.216+/-0.021 χ^2/NDF: 23387309.0/10


asym_atl_avg_atr_avg_avg_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
2
1
0
−1
−2
−3
100
120
140
160
180
200
Right In: -0.000+/-0.000 χ²/NDF: 24.8/23
Left Out: -0.000+/-0.000 χ²/NDF:16.2/24
Right Out: -0.000+/-0.000 χ²/NDF: 27.4/28
Left In: -0.000+/-0.000 χ²/NDF:27.6/22
Left: -0.000+/-0.000 χ²/NDF: 44.4/47
Right: -0.000+/-0.000 χ²/NDF: 52.2/52
In: -0.000+/-0.000 χ²/NDF:52.5/46
Out: -0.000+/-0.000 χ²/NDF:43.6/53
All: -0.000+/-0.000 χ²/NDF: 96.7/100



Right In: 0.000+/-0.000 χ^2/NDF: 7777370.4/23

Left Out: 0.000+/-0.000 χ^2/NDF:5074676.1/24

Right Out: 0.000+/-0.000 χ^2/NDF: 7440740.4/28

Left In: 0.000+/-0.000 χ^2/NDF:3611362.7/22

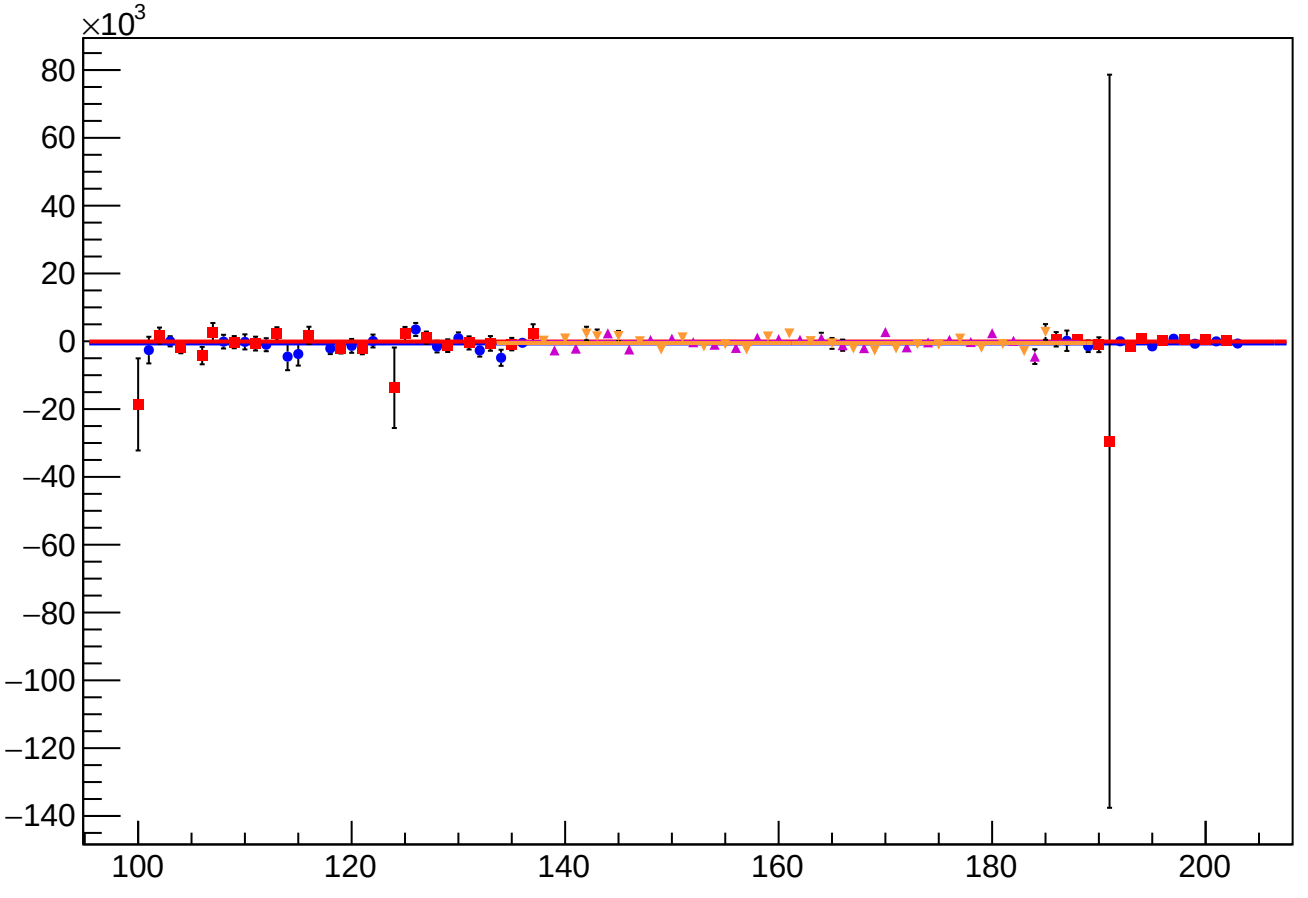
Left: 0.000+/-0.000 χ^2/NDF: 8935509.5/47

Right: 0.000+/-0.000 χ^2/NDF: 15244633.5/52

In: 0.000+/-0.000 χ^2/NDF:11749854.6/46

Out: 0.000+/-0.000 χ^2/NDF:13043514.2/53

All: 0.000+/-0.000 χ^2/NDF: 25093363.1/100



Right In: -637.841+/-355.983 χ^2/NDF: 15.6/23

Left Out: -514.484+/-285.945 χ^2/NDF:30.9/24

Right Out: -72.257+/-345.911 χ^2/NDF: 18.6/28

Left In: -242.686+/-291.166 χ^2/NDF:32.0/22

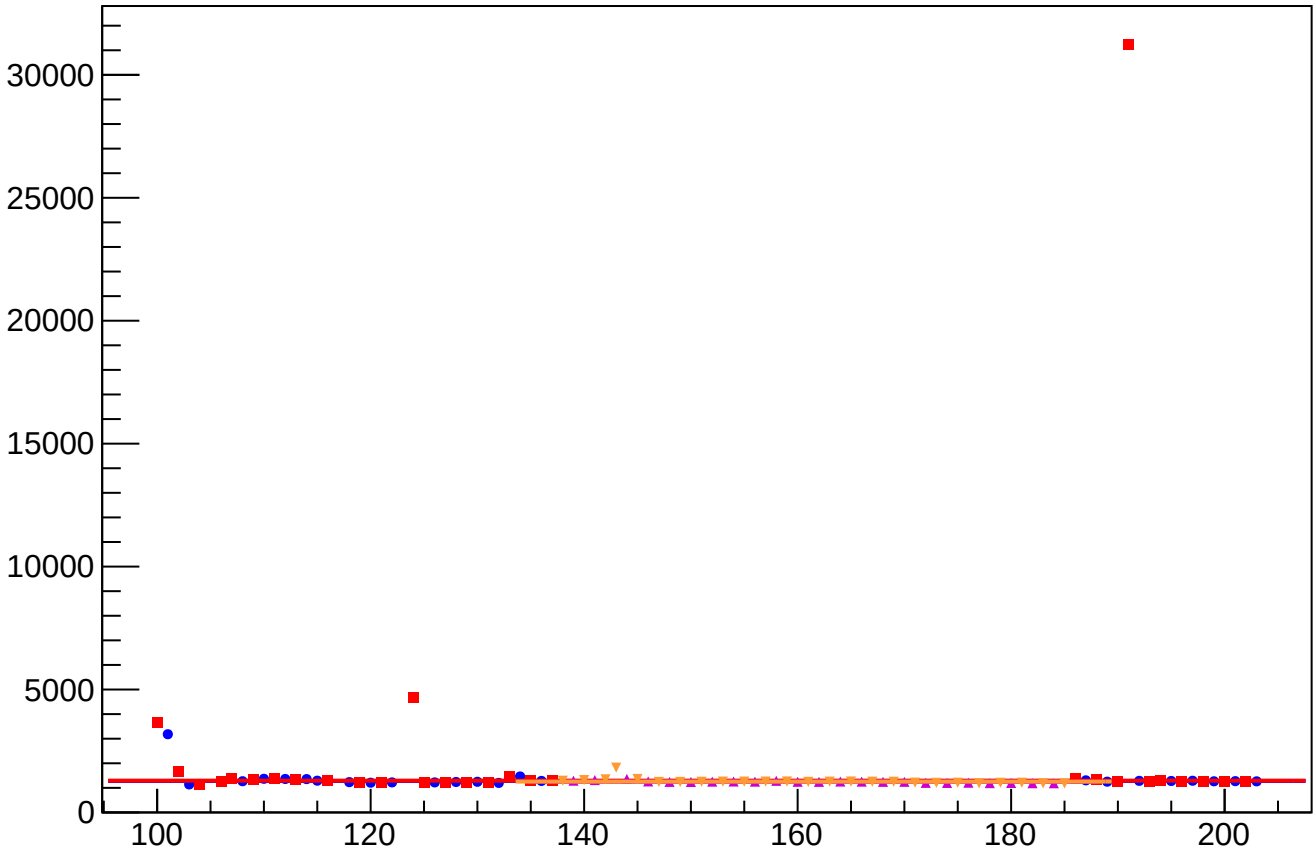
Left: -381.044+/-204.014 χ^2/NDF: 63.4/47

Right: -346.935+/-248.081 χ^2/NDF: 35.5/52

In: -401.079+/-225.379 χ^2/NDF:48.4/46

Out: -334.966+/-220.392 χ^2/NDF:50.5/53

All: -367.283+/-157.574 χ^2/NDF: 99.0/100



Right In: 1281.200+/-0.252 χ^2/NDF: 519673.8/23

Left Out: 1255.514+/-0.202 χ^2/NDF:203124.1/24

Right Out: 1292.268+/-0.245 χ^2/NDF: 491862.7/28

Left In: 1246.355+/-0.206 χ^2/NDF:39857.0/22

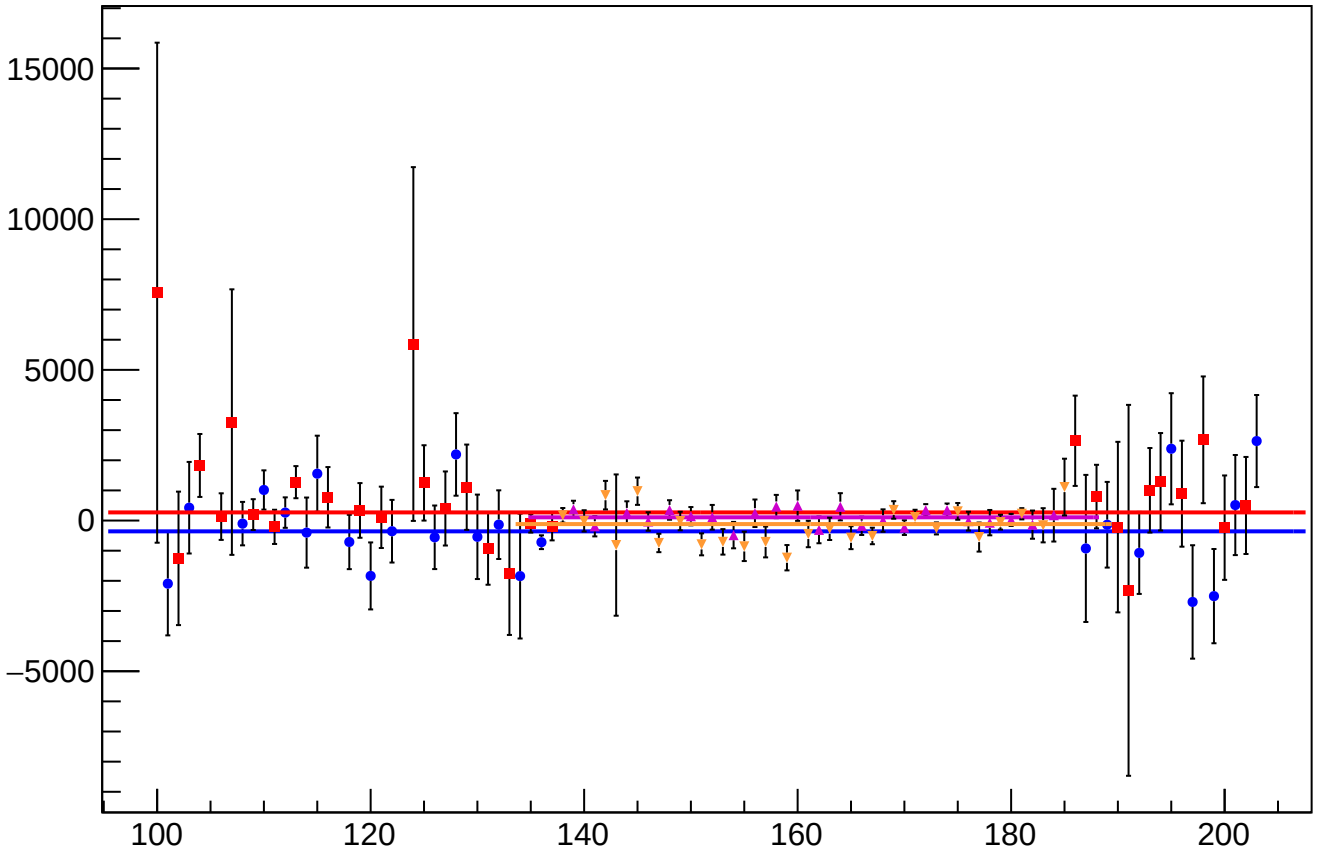
Left: 1251.017+/-0.144 χ^2/NDF: 243988.6/47

Right: 1286.893+/-0.175 χ^2/NDF: 1012530.8/52

In: 1260.322+/-0.159 χ^2/NDF:571012.8/46

Out: 1270.434+/-0.156 χ^2/NDF:708400.0/53

All: 1265.491+/-0.111 χ^2/NDF: 1281470.8/10



Right In: -358.361+/-161.534 χ^2/NDF: 28.3/23

Left Out: -117.028+/-65.059 χ^2/NDF:48.4/24

Right Out: 270.303+/-161.310 χ^2/NDF: 20.1/28

Left In: 107.341+/-67.001 χ^2/NDF:13.7/22

Left: -8.142+/-46.675 χ^2/NDF: 67.9/47

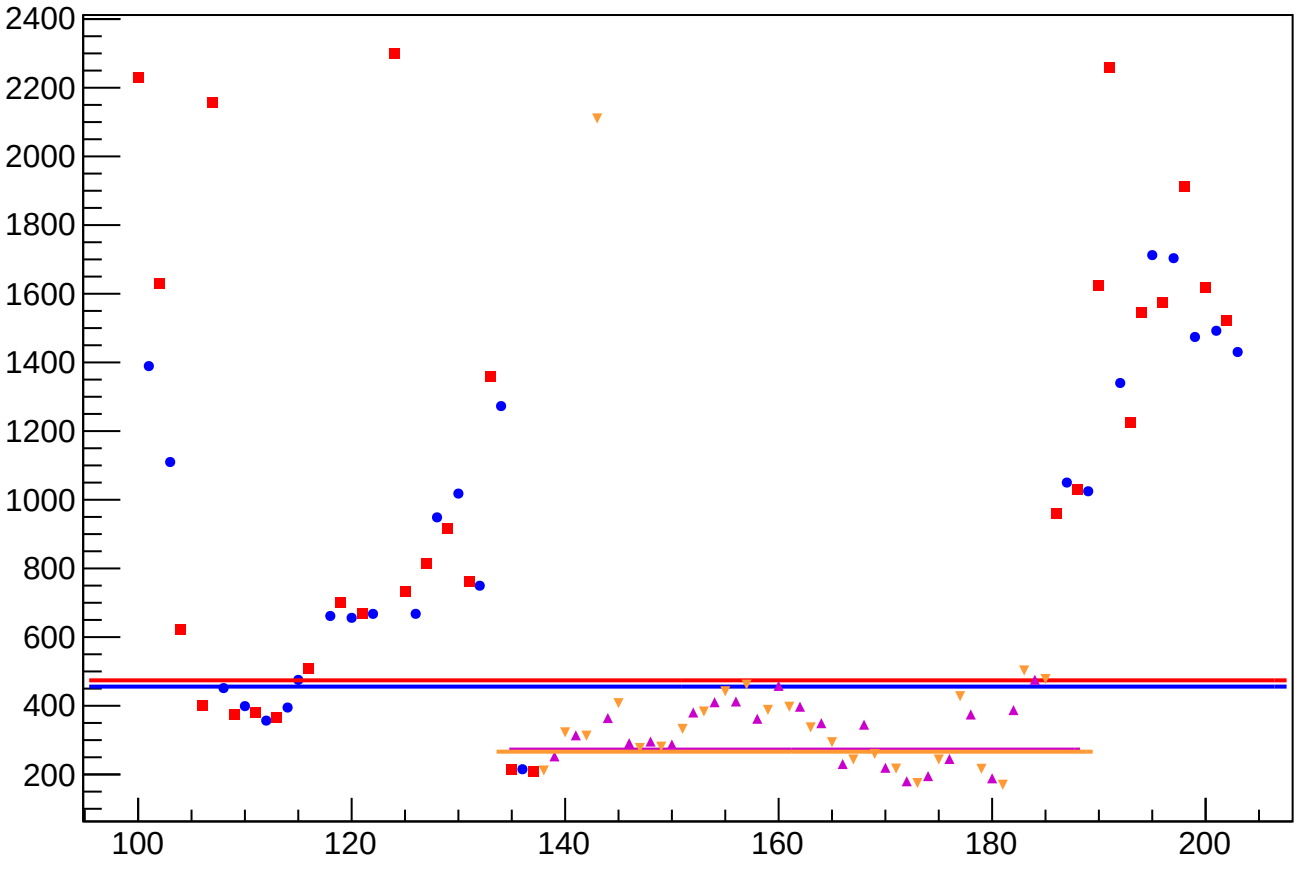
Right: -43.592+/-114.143 χ^2/NDF: 55.9/52

In: 38.982+/-61.888 χ^2/NDF:49.1/46

Out: -62.838+/-60.336 χ^2/NDF:73.5/53

All: -13.221+/-43.203 χ^2/NDF: 124.0/100

asym_atl_avg_atr_avg_dd_reg_correction_rms vs Slug, Sign Corrected



Right In: 455.835+/-0.114 χ^2/NDF: 10162596.3/23

Left Out: 266.321+/-0.046 χ^2/NDF:4630130.4/24

Right Out: 474.093+/-0.114 χ^2/NDF: 10784427.7/28

Left In: 272.368+/-0.047 χ^2/NDF:2887823.5/22

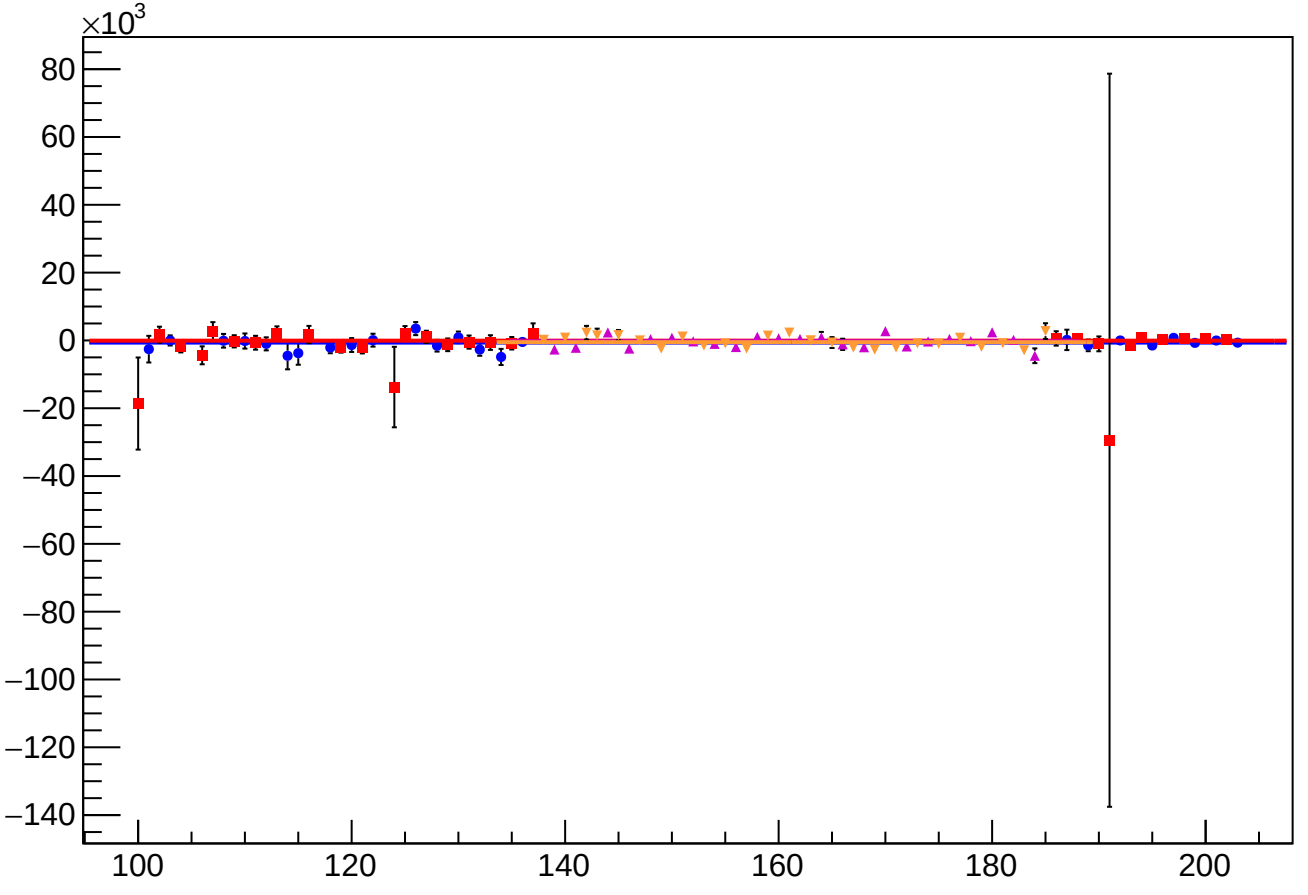
Left: 269.255+/-0.033 χ^2/NDF: 7526339.3/47

Right: 464.976+/-0.081 χ^2/NDF: 20959817.1/52

In: 299.298+/-0.044 χ^2/NDF:15251691.7/46

Out: 295.389+/-0.043 χ^2/NDF:18268382.7/53

All: 297.294+/-0.031 χ^2/NDF: 33524165.5/10



Right In: -637.671+/-355.983 χ^2/NDF: 15.6/23

Left Out: -514.430+/-285.945 χ^2/NDF:30.9/24

Right Out: -70.608+/-346.100 χ^2/NDF: 18.7/28

Left In: -242.663+/-291.166 χ^2/NDF:32.0/22

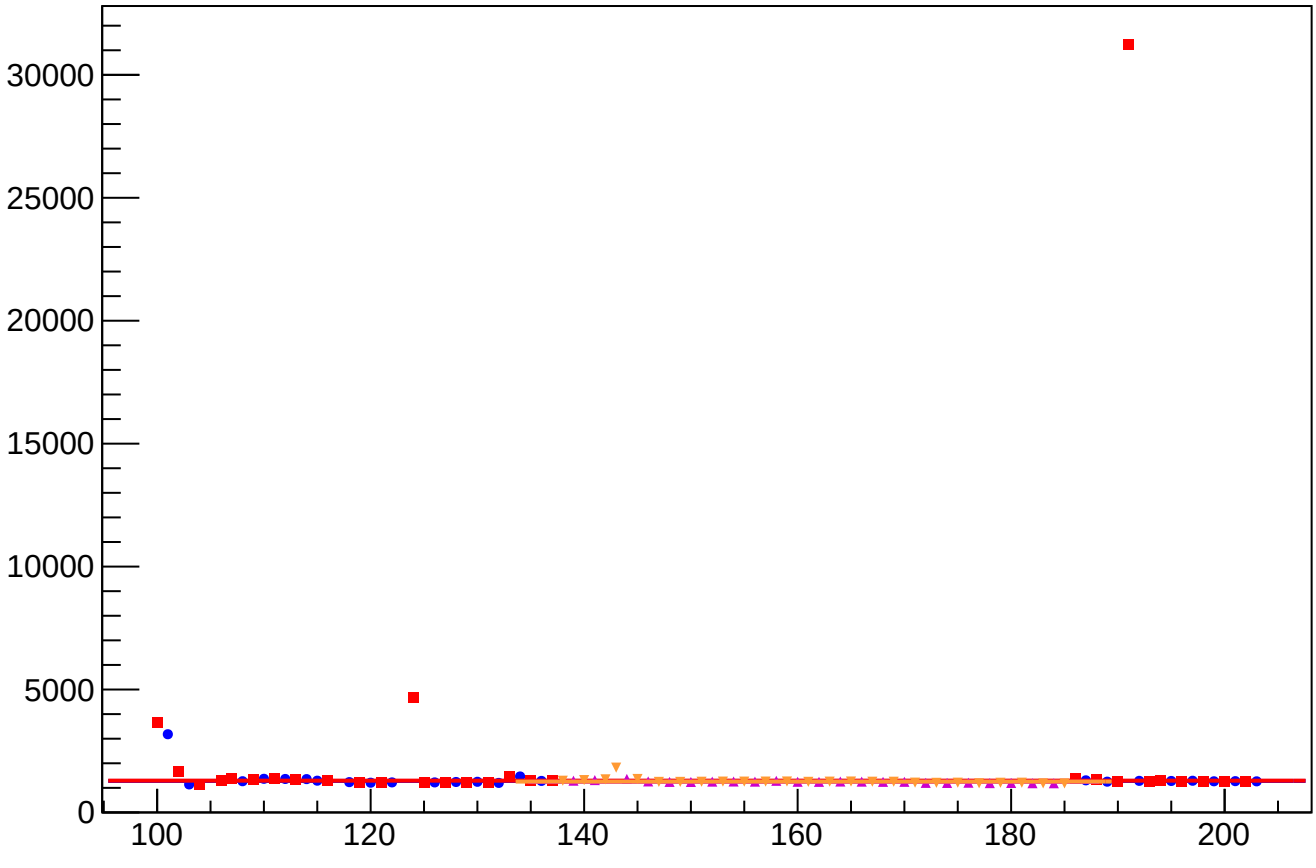
Left: -381.005+/-204.014 χ^2/NDF: 63.4/47

Right: -346.159+/-248.150 χ^2/NDF: 35.6/52

In: -400.997+/-225.379 χ^2/NDF:48.4/46

Out: -334.381+/-220.441 χ^2/NDF:50.6/53

All: -366.951+/-157.592 χ^2/NDF: 99.0/100



Right In: 1281.200+/-0.252 χ^2/NDF: 519675.2/23

Left Out: 1255.514+/-0.202 χ^2/NDF:203124.0/24

Right Out: 1292.999+/-0.245 χ^2/NDF: 491633.3/28

Left In: 1246.355+/-0.206 χ^2/NDF:39857.0/22

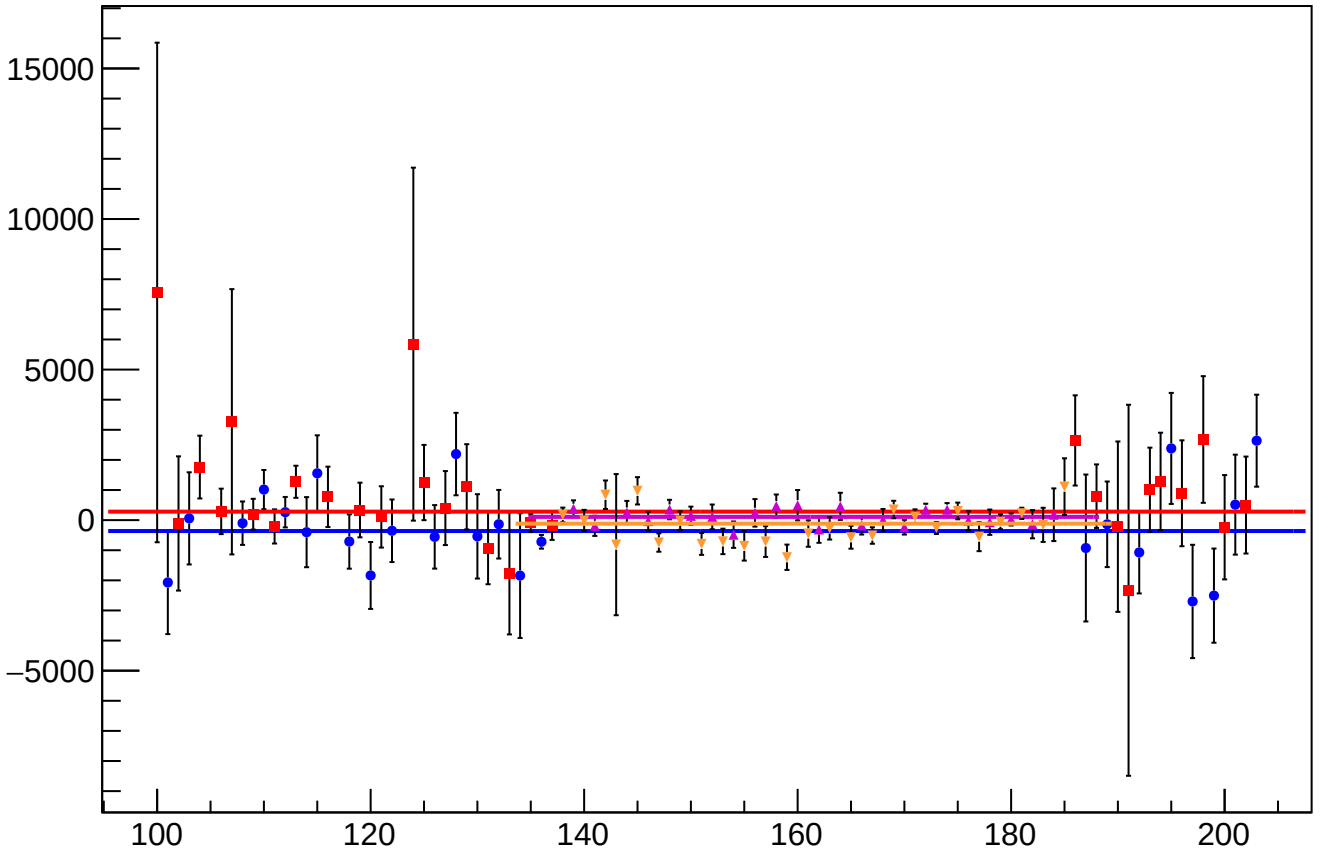
Left: 1251.017+/-0.144 χ^2/NDF: 243988.6/47

Right: 1287.265+/-0.175 χ^2/NDF: 1012437.9/52

In: 1260.322+/-0.159 χ^2/NDF:571014.1/46

Out: 1270.721+/-0.156 χ^2/NDF:708700.3/53

All: 1265.636+/-0.111 χ^2/NDF: 1281890.4/10



Right In: -362.465+/-161.552 χ^2/NDF: 28.1/23

Left Out: -117.002+/-65.060 χ^2/NDF:48.4/24

Right Out: 282.079+/-161.139 χ^2/NDF: 19.4/28

Left In: 107.459+/-67.003 χ^2/NDF:13.7/22

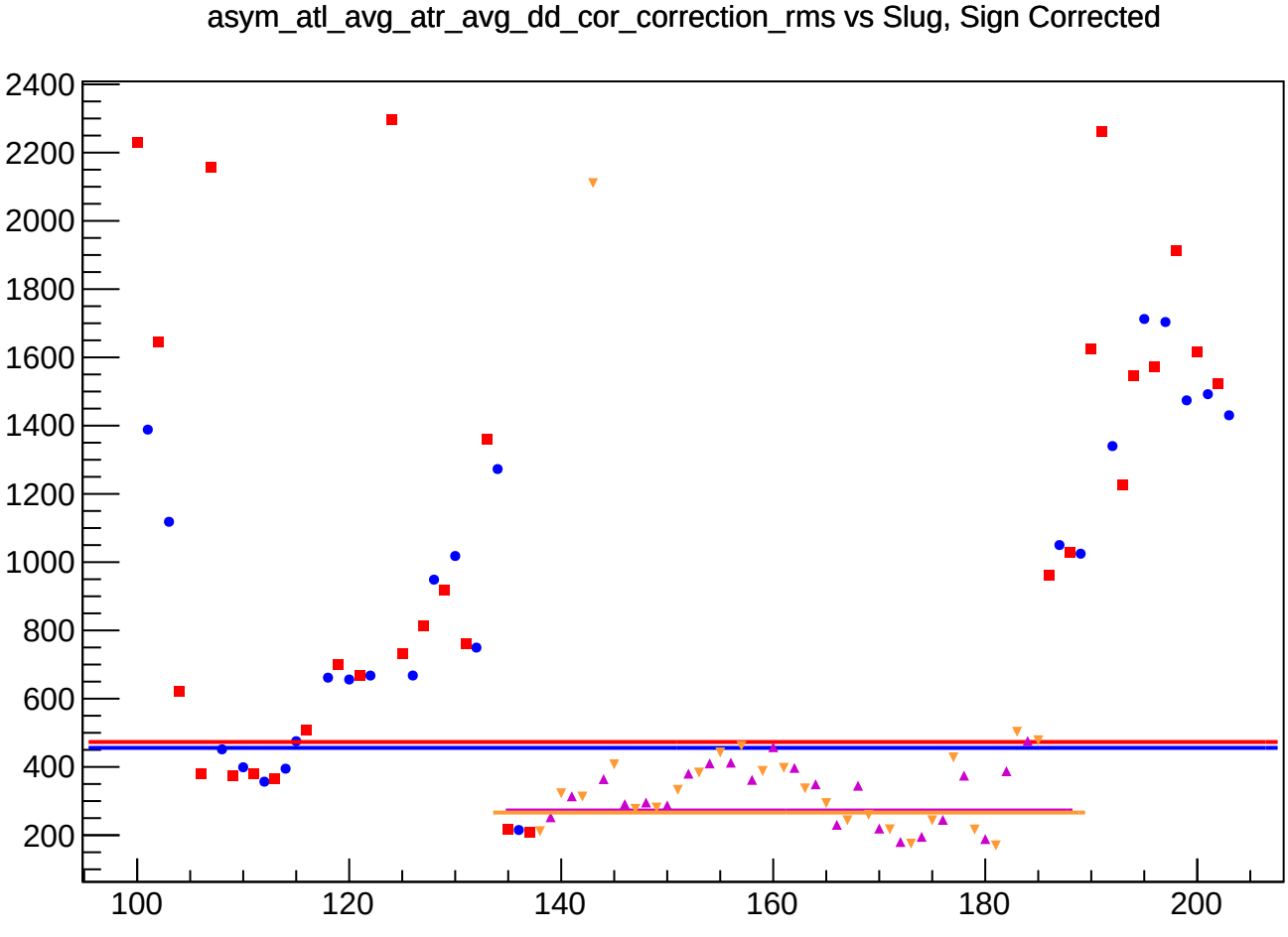
Left: -8.072+/-46.676 χ^2/NDF: 68.0/47

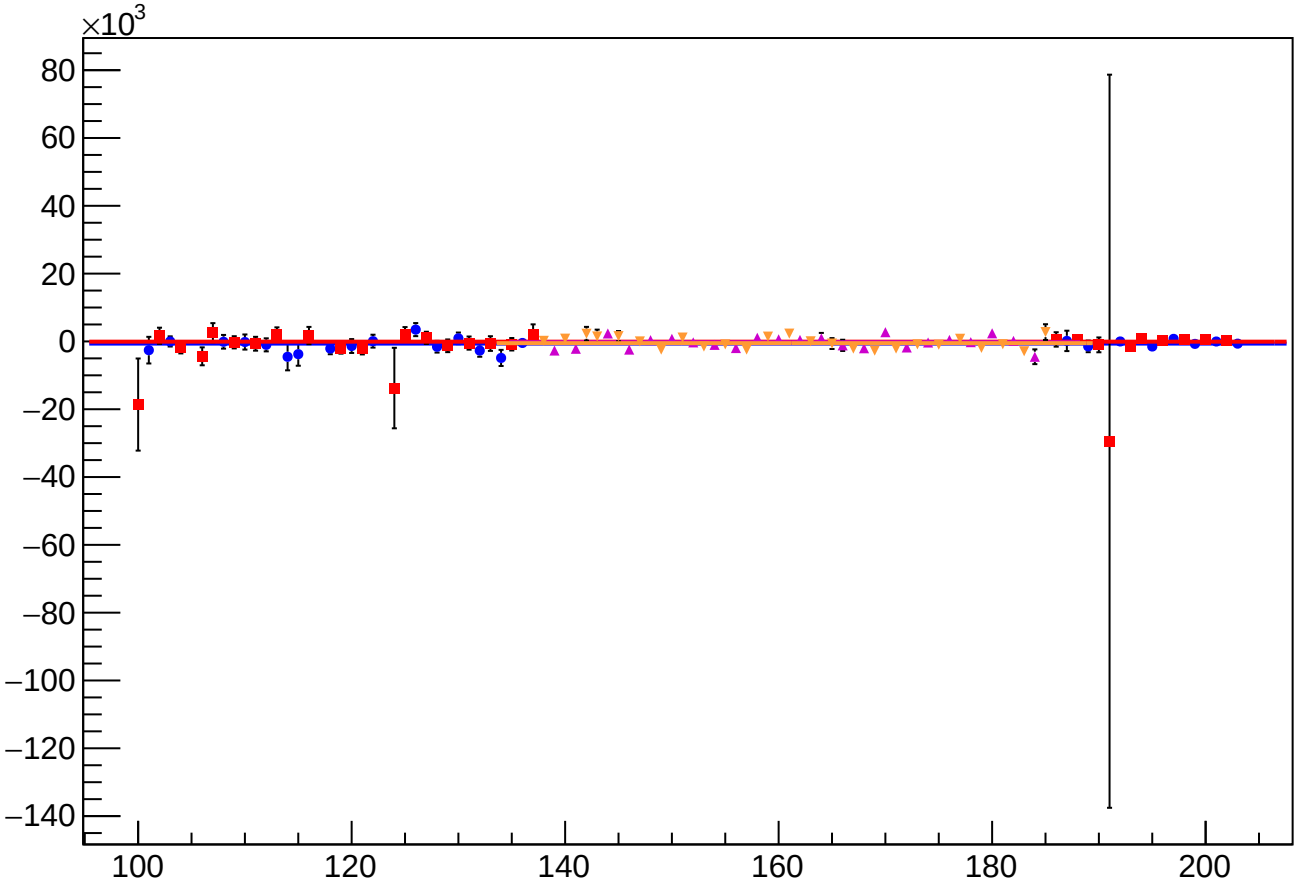
Right: -39.370+/-114.088 χ^2/NDF: 55.4/52

In: 38.490+/-61.891 χ^2/NDF:49.0/46

Out: -61.064+/-60.329 χ^2/NDF:73.1/53

All: -12.560+/-43.200 χ^2/NDF: 123.5/100


asym_atl_avg_atr_avg_dd_cor_correction_rms vs Slug, Sign Corrected
2400
2200
2000
1800
1600
1400
1200
1000
800
600
400
200
100
120
140
160
180
200
Right In: 455.844+/-0.114 χ²/NDF: 10165734.7/23
Left Out: 266.326+/-0.046 χ²/NDF:4630167.4/24
Right Out: 473.051+/-0.114 χ²/NDF: 10803259.3/28
Left In: 272.378+/-0.047 χ²/NDF:2887597.1/22
Left: 269.263+/-0.033 χ²/NDF: 7526161.0/47
Right: 464.469+/-0.081 χ²/NDF: 20980367.4/52
In: 299.304+/-0.044 χ²/NDF:15254162.5/46
Out: 295.302+/-0.043 χ²/NDF:18263668.5/53
All: 297.252+/-0.031 χ²/NDF: 33522119.8/10



Right In: -637.671+/-355.983 χ^2/NDF: 15.6/23

Left Out: -514.430+/-285.945 χ^2/NDF:30.9/24

Right Out: -70.608+/-346.100 χ^2/NDF: 18.7/28

Left In: -242.663+/-291.166 χ^2/NDF:32.0/22

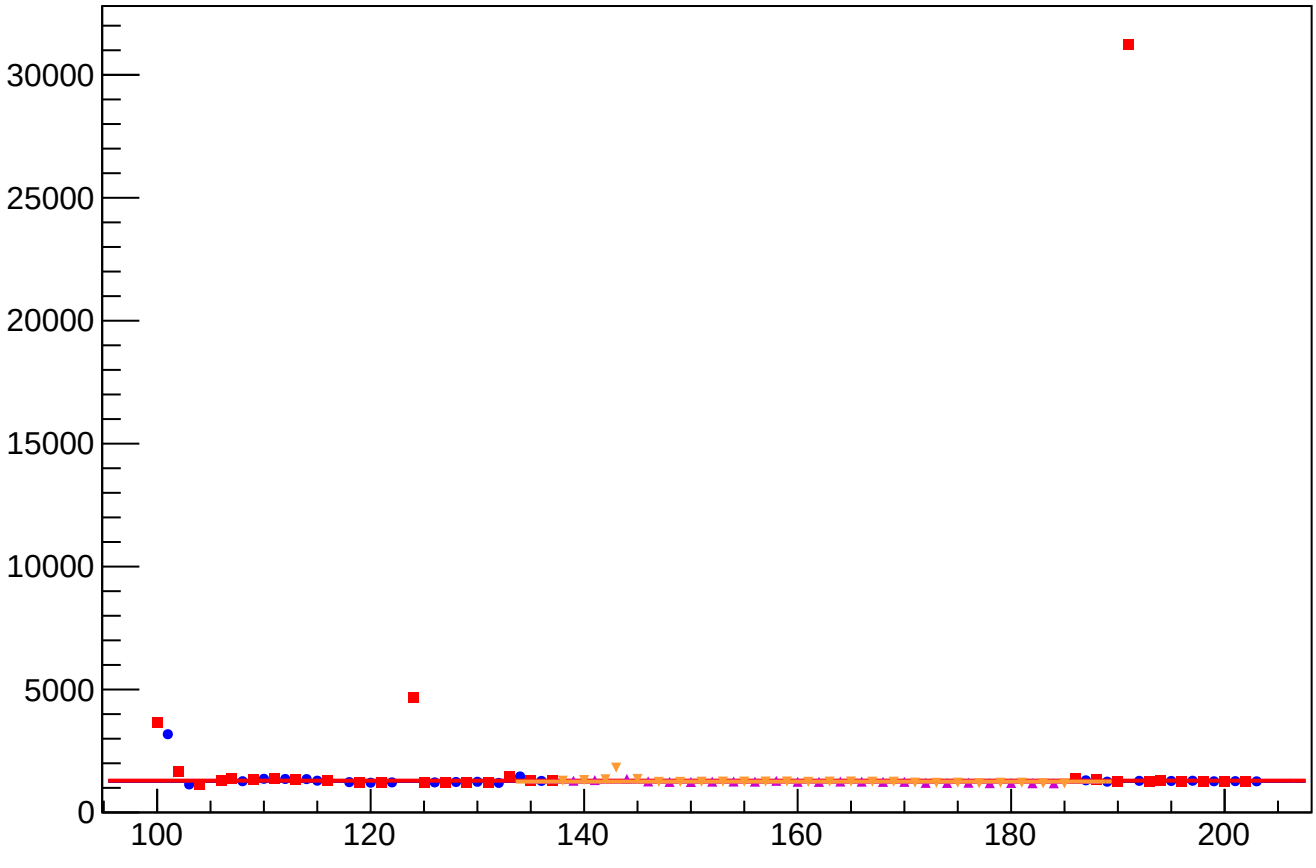
Left: -381.005+/-204.014 χ^2/NDF: 63.4/47

Right: -346.159+/-248.150 χ^2/NDF: 35.6/52

In: -400.997+/-225.379 χ^2/NDF:48.4/46

Out: -334.381+/-220.441 χ^2/NDF:50.6/53

All: -366.951+/-157.592 χ^2/NDF: 99.0/100



Right In: 1281.200+/-0.252 χ^2/NDF: 519675.2/23

Left Out: 1255.514+/-0.202 χ^2/NDF:203124.0/24

Right Out: 1292.999+/-0.245 χ^2/NDF: 491633.3/28

Left In: 1246.355+/-0.206 χ^2/NDF:39857.0/22

Left: 1251.017+/-0.144 χ^2/NDF: 243988.6/47

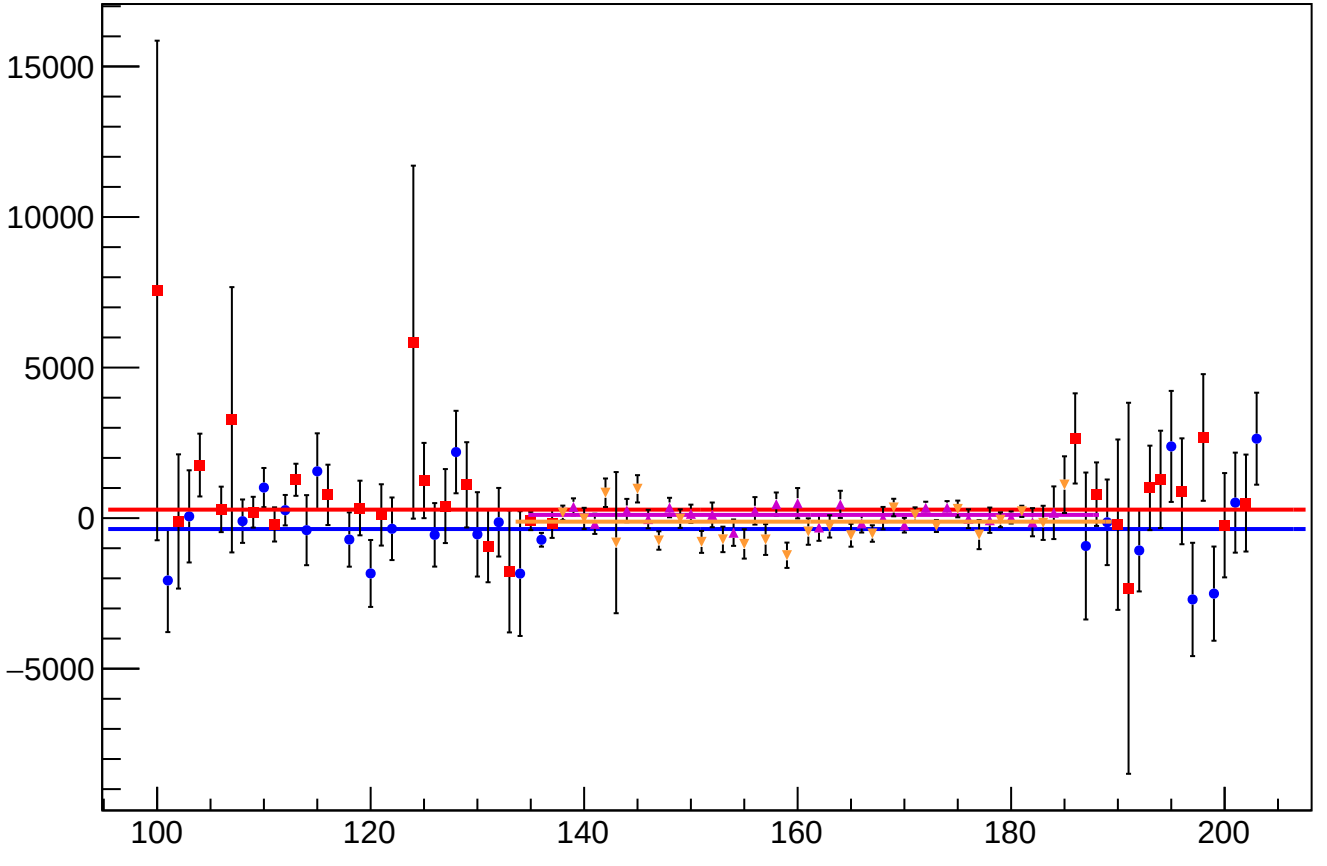
Right: 1287.265+/-0.175 χ^2/NDF: 1012437.9/52

In: 1260.322+/-0.159 χ^2/NDF:571014.1/46

Out: 1270.721+/-0.156 χ^2/NDF:708700.3/53

All: 1265.636+/-0.111 χ^2/NDF: 1281890.4/10

asym_atl_avg_atr_avg_dd_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -362.465+/-161.552 χ^2/NDF: 28.1/23

Left Out: -117.002+/-65.060 χ^2/NDF:48.4/24

Right Out: 282.079+/-161.139 χ^2/NDF: 19.4/28

Left In: 107.459+/-67.003 χ^2/NDF:13.7/22

Left: -8.072+/-46.676 χ^2/NDF: 68.0/47

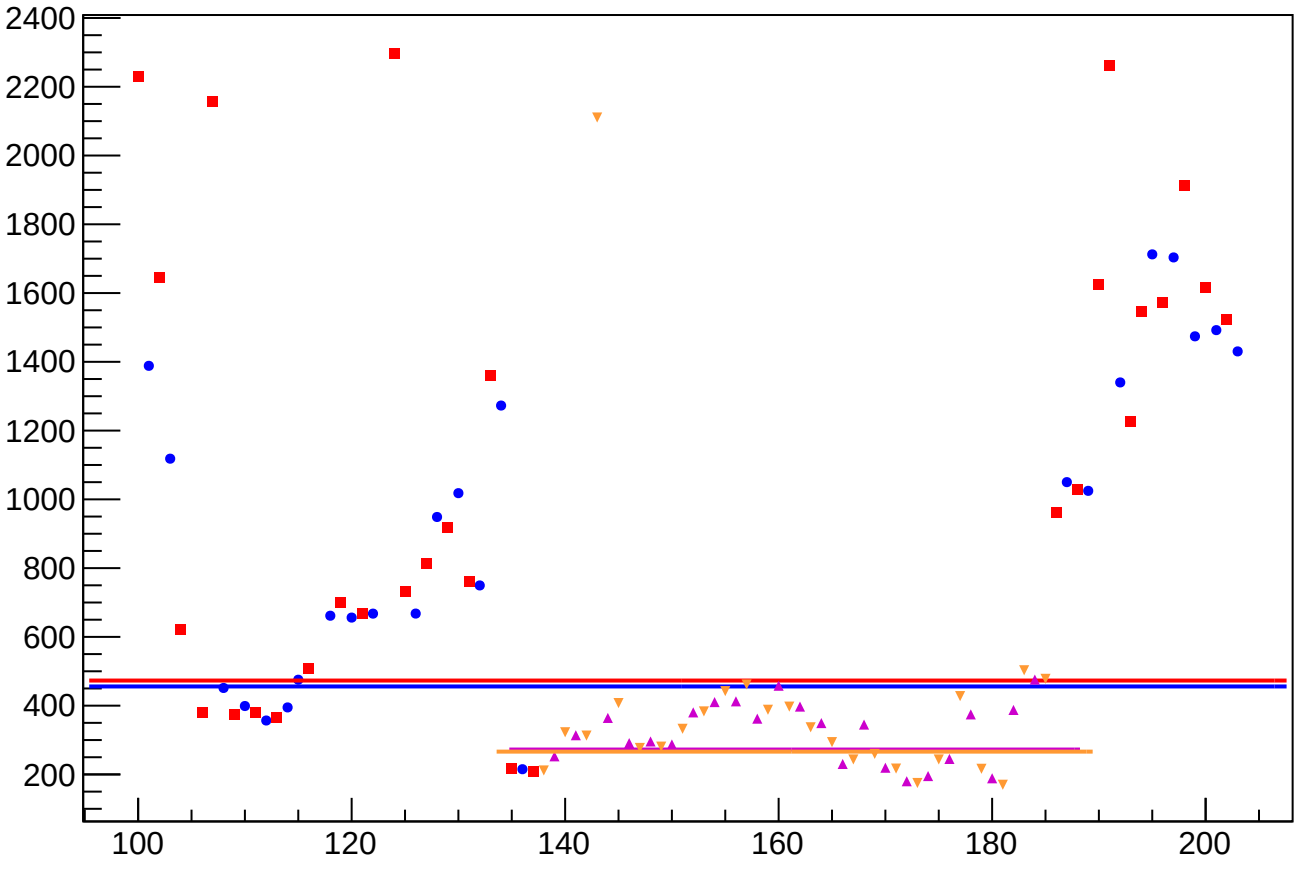
Right: -39.370+/-114.088 χ^2/NDF: 55.4/52

In: 38.490+/-61.891 χ^2/NDF:49.0/46

Out: -61.064+/-60.329 χ^2/NDF:73.1/53

All: -12.560+/-43.200 χ^2/NDF: 123.5/100

asym_atl_avg_atr_avg_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 455.844+/-0.114 χ^2/NDF: 10165734.7/23

Left Out: 266.326+/-0.046 χ^2/NDF:4630167.4/24

Right Out: 473.051+/-0.114 χ^2/NDF: 10803259.3/28

Left In: 272.378+/-0.047 χ^2/NDF:2887597.1/22

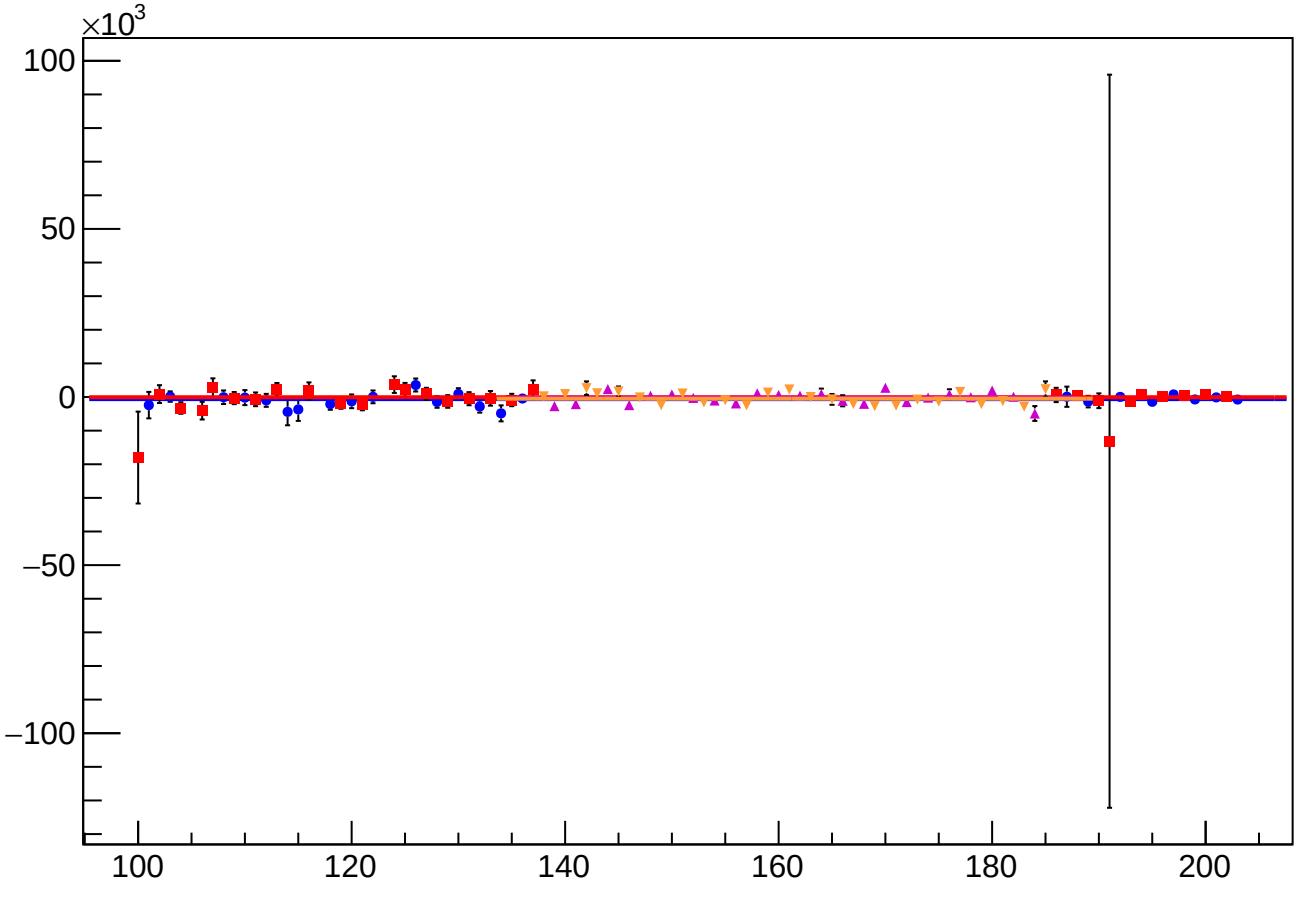
Left: 269.263+/-0.033 χ^2/NDF: 7526161.0/47

Right: 464.469+/-0.081 χ^2/NDF: 20980367.4/52

In: 299.304+/-0.044 χ^2/NDF:15254162.5/46

Out: 295.302+/-0.043 χ^2/NDF:18263668.5/53

All: 297.252+/-0.031 χ^2/NDF: 33522119.8/10



Right In: -623.243+/-357.219 χ^2/NDF: 15.7/23

Left Out: -493.436+/-282.734 χ^2/NDF:34.2/24

Right Out: -63.717+/-345.093 χ^2/NDF: 20.4/28

Left In: -242.004+/-294.339 χ^2/NDF:30.7/22

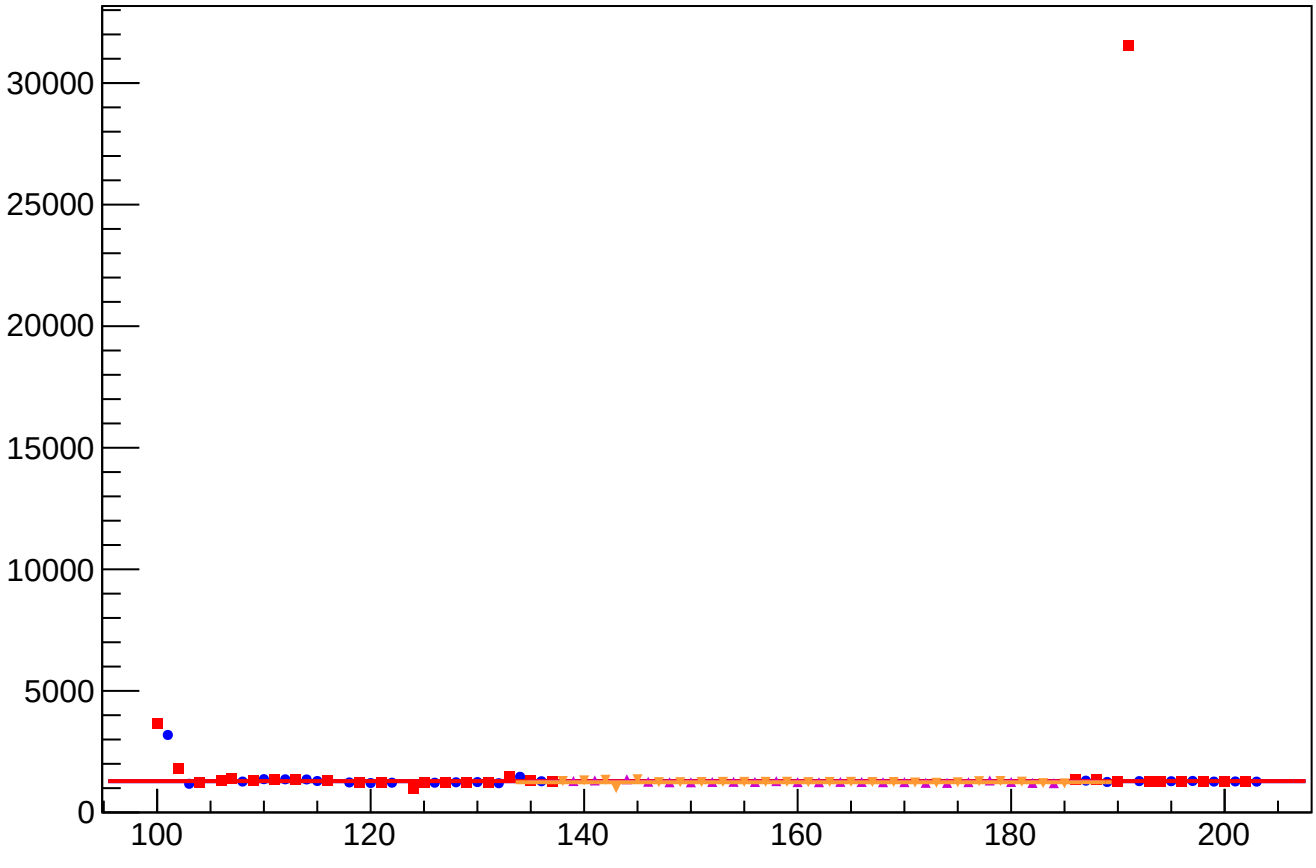
Left: -372.774+/-203.903 χ^2/NDF: 65.3/47

Right: -333.822+/-248.194 χ^2/NDF: 37.4/52

In: -396.171+/-227.160 χ^2/NDF:47.0/46

Out: -320.841+/-218.704 χ^2/NDF:55.6/53

All: -357.078+/-157.552 χ^2/NDF: 102.7/100



Right In: 1285.782+/-0.253 χ^2/NDF: 511383.7/23

Left Out: 1242.539+/-0.200 χ^2/NDF:130023.1/24

Right Out: 1289.493+/-0.244 χ^2/NDF: 373400.1/28

Left In: 1260.094+/-0.208 χ^2/NDF:27932.1/22

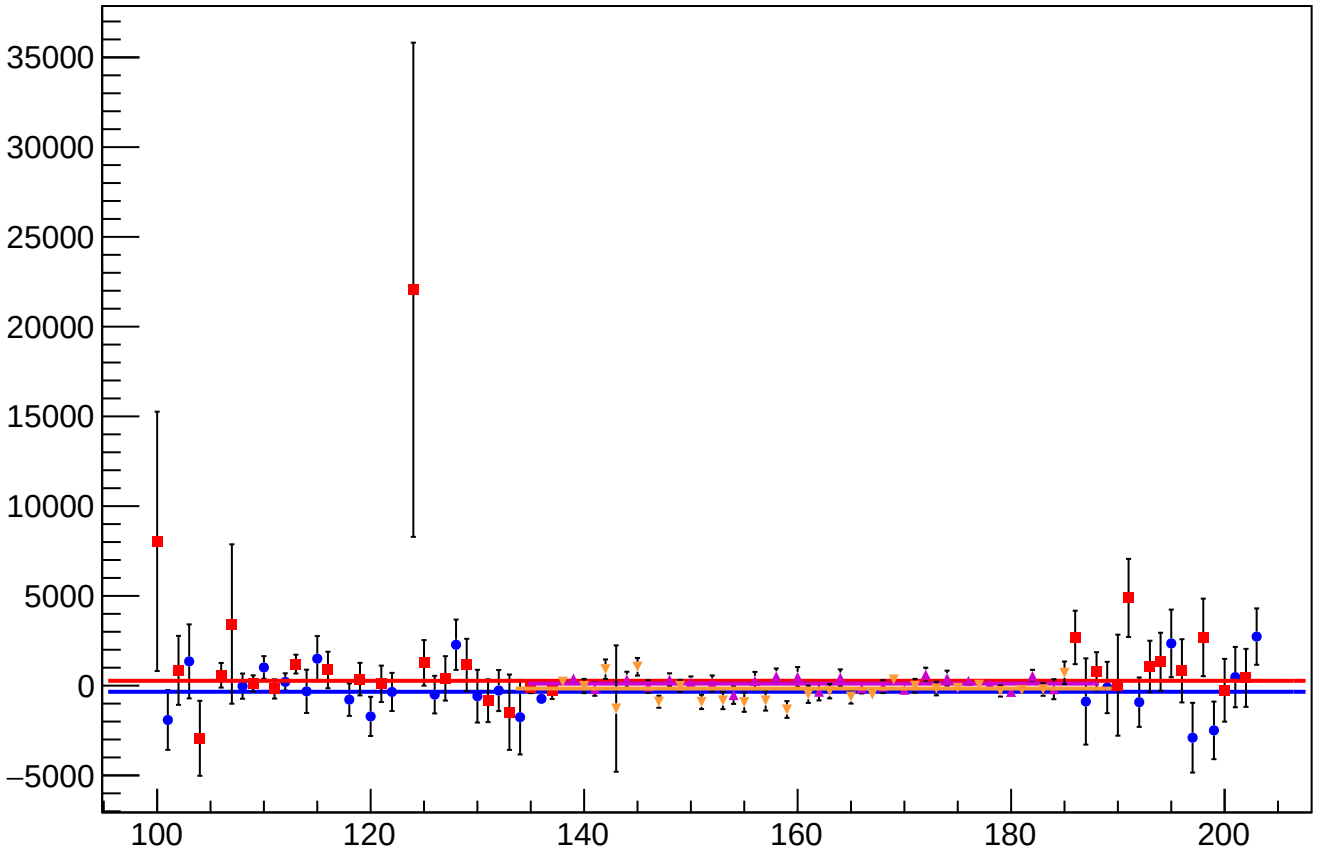
Left: 1250.964+/-0.144 χ^2/NDF: 161655.2/47

Right: 1287.702+/-0.175 χ^2/NDF: 884895.4/52

In: 1270.482+/-0.161 χ^2/NDF:545476.2/46

Out: 1261.398+/-0.155 χ^2/NDF:525577.3/53

All: 1265.768+/-0.111 χ^2/NDF: 1072713.2/10



Right In: -340.944+/-163.302 χ^2/NDF: 28.3/23

Left Out: -160.930+/-64.133 χ^2/NDF:43.8/24

Right Out: 269.823+/-161.106 χ^2/NDF: 25.9/28

Left In: 113.722+/-68.841 χ^2/NDF:18.2/22

Left: -33.316+/-46.925 χ^2/NDF: 70.5/47

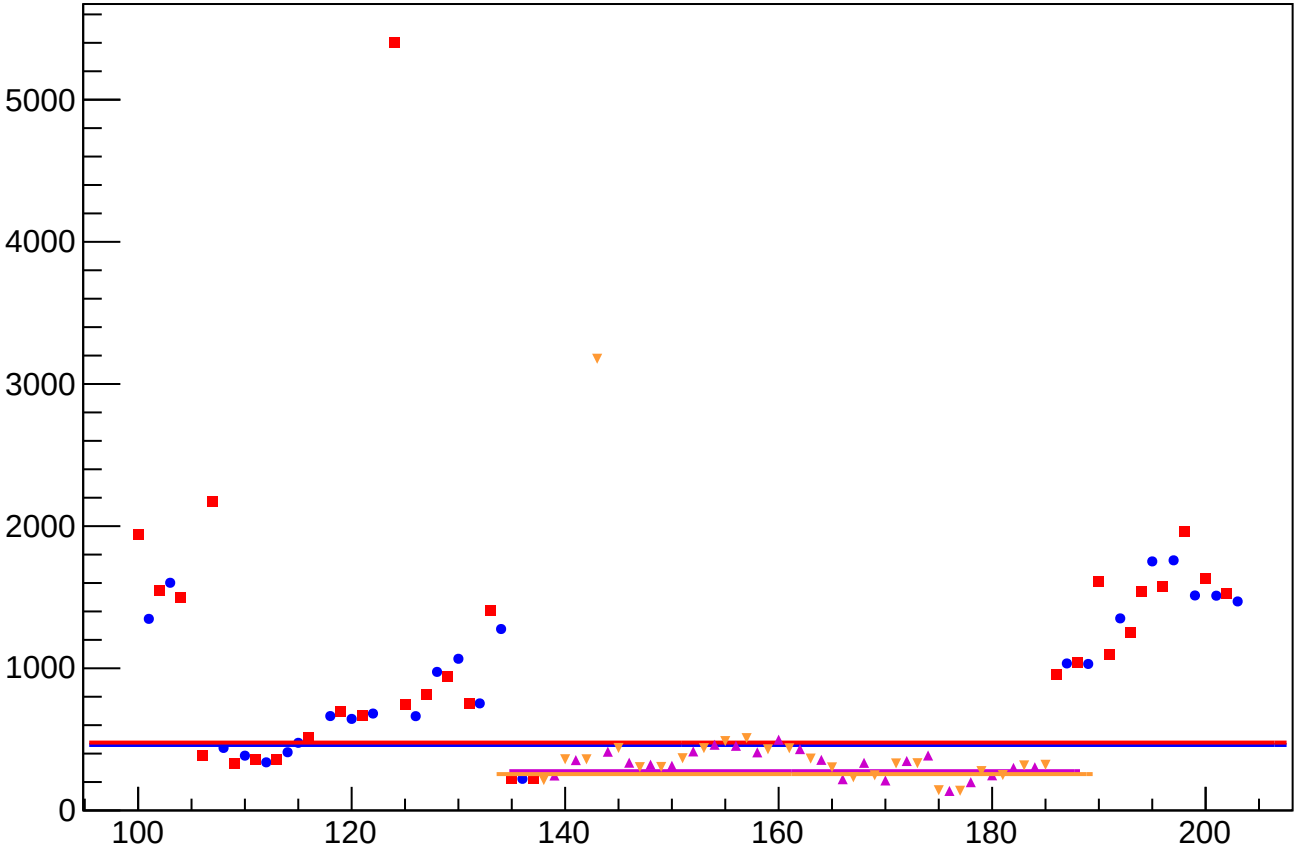
Right: -31.427+/-114.688 χ^2/NDF: 61.3/52

In: 45.116+/-63.435 χ^2/NDF:53.1/46

Out: -102.007+/-59.585 χ^2/NDF:75.8/53

All: -33.045+/-43.430 χ^2/NDF: 131.8/100

asym_atl_avg_atr_avg_dd_dit_correction_rms vs Slug, Sign Corrected



Right In: 460.680+/-0.115 χ^2/NDF: 10323506.0/23

Left Out: 255.768+/-0.045 χ^2/NDF:6373929.4/24

Right Out: 477.491+/-0.114 χ^2/NDF: 11307249.0/28

Left In: 276.298+/-0.049 χ^2/NDF:4027410.5/22

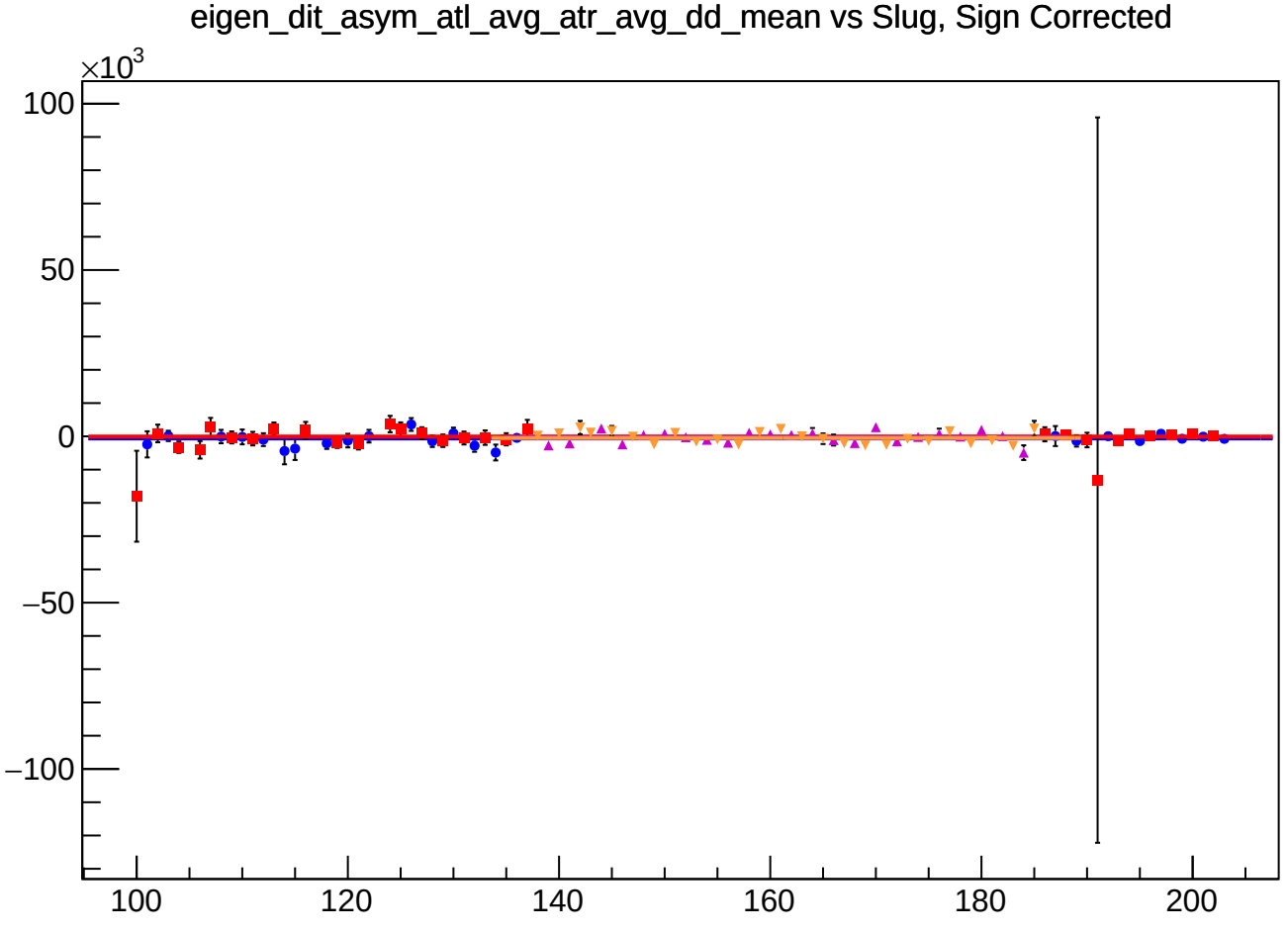
Left: 265.307+/-0.033 χ^2/NDF: 10496569.7/47

Right: 469.199+/-0.081 χ^2/NDF: 21641495.7/52

In: 304.120+/-0.045 χ^2/NDF:16515844.9/46

Out: 286.097+/-0.042 χ^2/NDF:20951131.7/53

All: 294.545+/-0.031 χ^2/NDF: 37552745.9/10



Right In: -623.245+/-357.219 χ^2/NDF: 15.7/23

Left Out: -493.435+/-282.734 χ^2/NDF:34.2/24

Right Out: -63.716+/-345.093 χ^2/NDF: 20.4/28

Left In: -242.004+/-294.339 χ^2/NDF:30.7/22

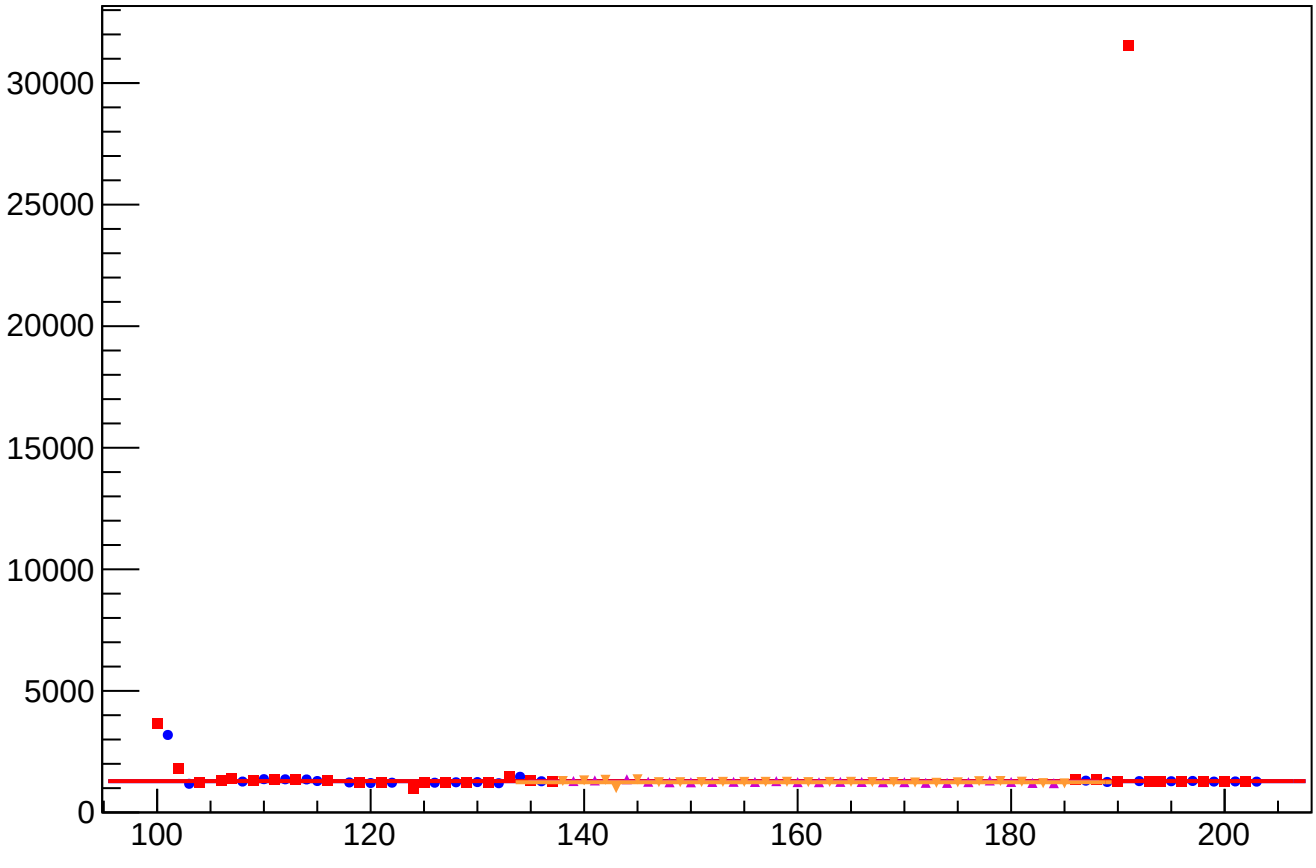
Left: -372.774+/-203.903 χ^2/NDF: 65.3/47

Right: -333.823+/-248.194 χ^2/NDF: 37.4/52

In: -396.172+/-227.160 χ^2/NDF:47.0/46

Out: -320.840+/-218.704 χ^2/NDF:55.6/53

All: -357.078+/-157.552 χ^2/NDF: 102.7/100



Right In: 1285.782+/-0.253 χ^2/NDF: 511383.7/23

Left Out: 1242.539+/-0.200 χ^2/NDF:130022.2/24

Right Out: 1289.493+/-0.244 χ^2/NDF: 373400.3/28

Left In: 1260.094+/-0.208 χ^2/NDF:27932.2/22

Left: 1250.964+/-0.144 χ^2/NDF: 161654.3/47

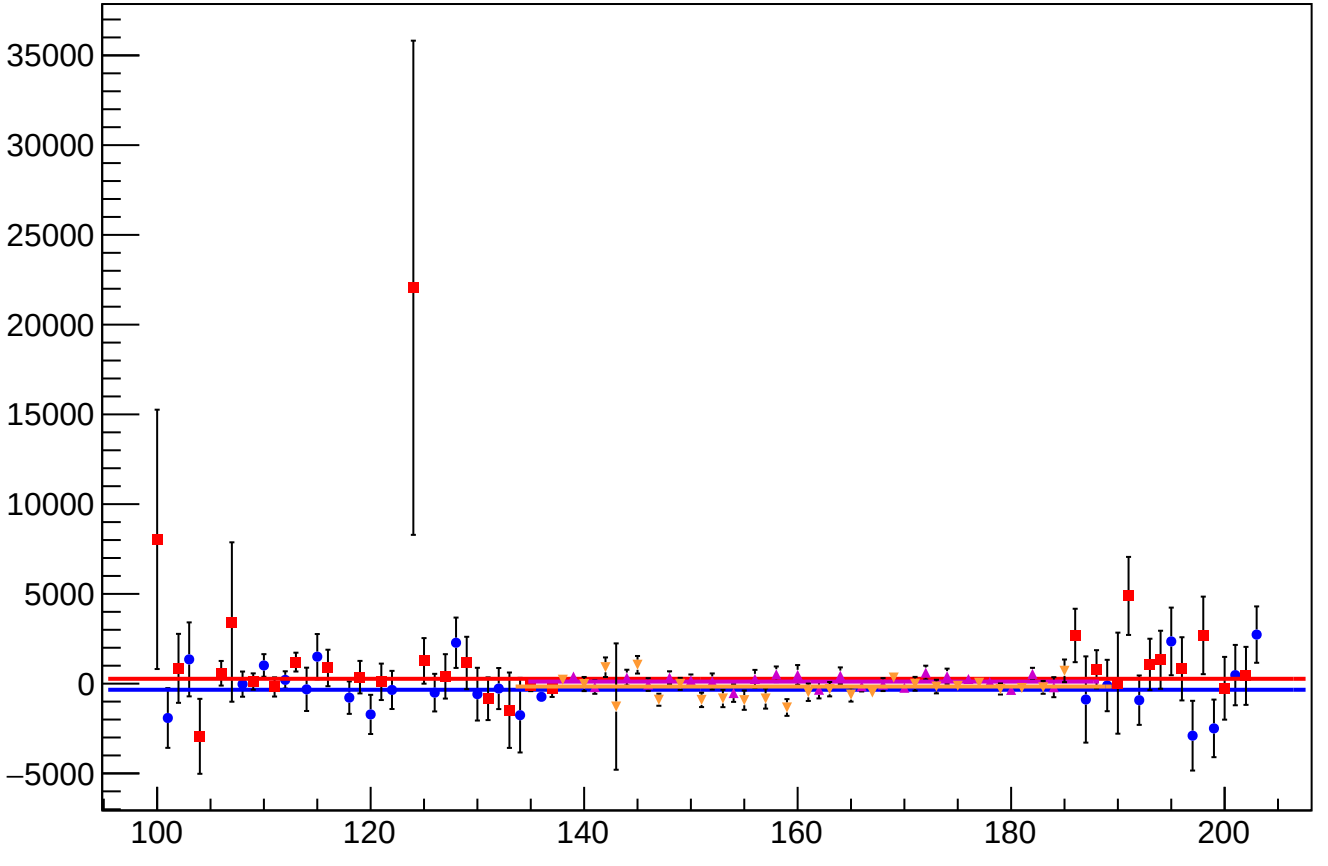
Right: 1287.702+/-0.175 χ^2/NDF: 884895.6/52

In: 1270.482+/-0.161 χ^2/NDF:545476.3/46

Out: 1261.398+/-0.155 χ^2/NDF:525576.6/53

All: 1265.768+/-0.111 χ^2/NDF: 1072712.6/10

asym_atl_avg_atr_avg_dd_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -340.944+/-163.305 χ^2/NDF: 28.3/23

Left Out: -160.933+/-64.133 χ^2/NDF:43.8/24

Right Out: 269.831+/-161.108 χ^2/NDF: 25.9/28

Left In: 113.720+/-68.841 χ^2/NDF:18.2/22

Left: -33.318+/-46.925 χ^2/NDF: 70.5/47

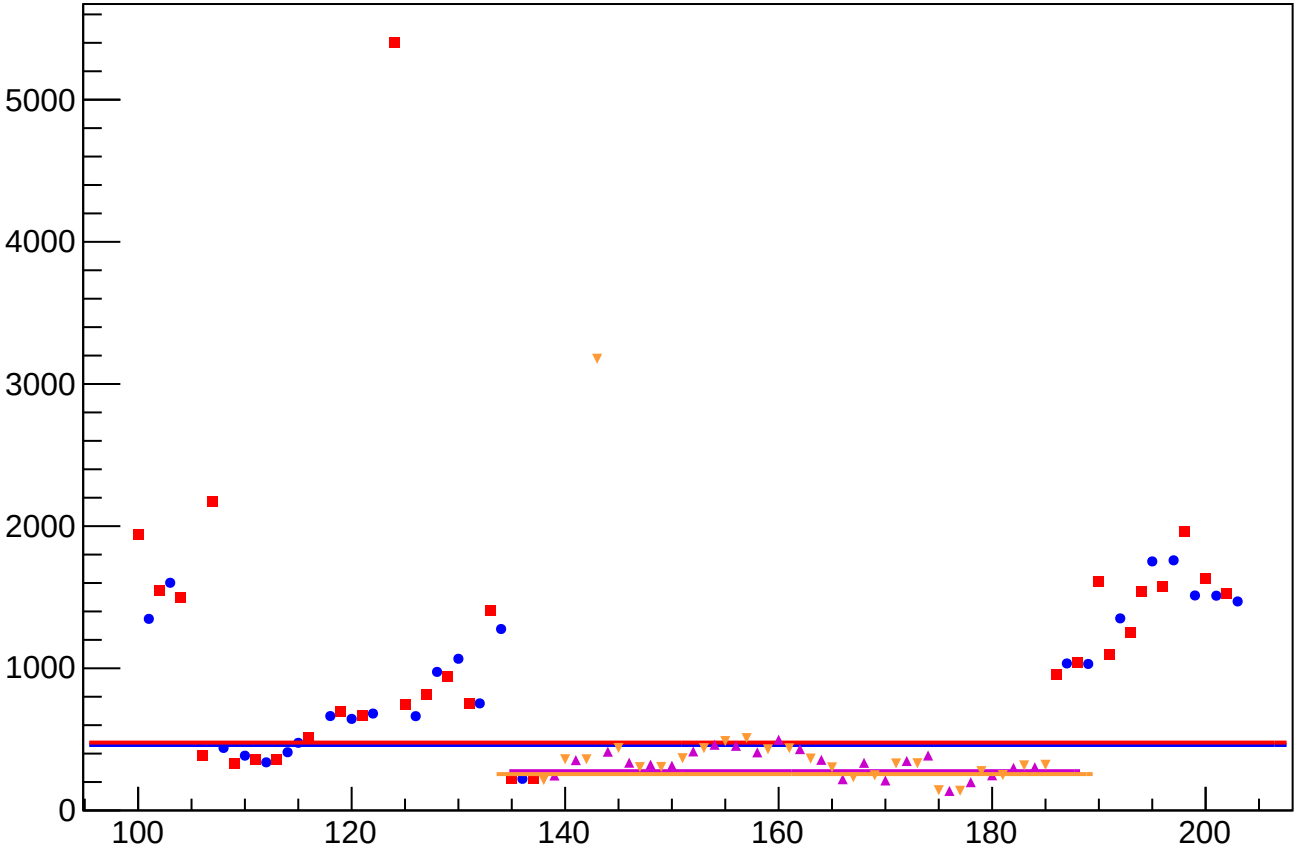
Right: -31.422+/-114.689 χ^2/NDF: 61.3/52

In: 45.116+/-63.435 χ^2/NDF:53.1/46

Out: -102.010+/-59.585 χ^2/NDF:75.8/53

All: -33.046+/-43.430 χ^2/NDF: 131.8/100

asym_atl_avg_atr_avg_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 460.692+/-0.115 χ^2/NDF: 10323205.6/23

Left Out: 255.770+/-0.045 χ^2/NDF:6373829.7/24

Right Out: 477.500+/-0.114 χ^2/NDF: 11306999.8/28

Left In: 276.299+/-0.049 χ^2/NDF:4027371.0/22

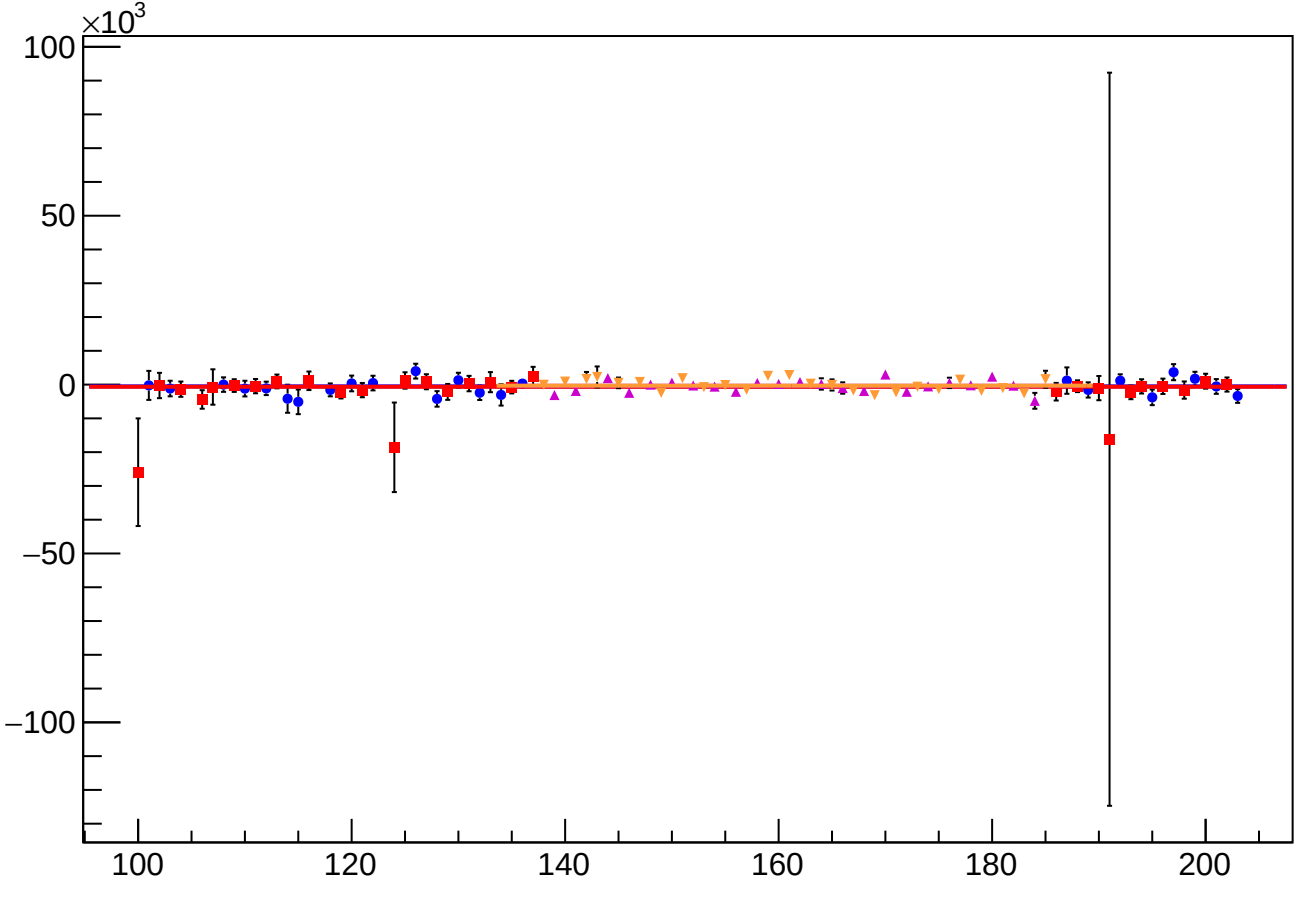
Left: 265.308+/-0.033 χ^2/NDF: 10496422.7/47

Right: 469.210+/-0.081 χ^2/NDF: 21640942.8/52

In: 304.122+/-0.045 χ^2/NDF:16515709.5/46

Out: 286.099+/-0.042 χ^2/NDF:20950946.7/53

All: 294.547+/-0.031 χ^2/NDF: 37552420.5/10



Right In: -527.023+/-459.810 χ^2/NDF: 21.9/23

Left Out: -319.744+/-298.271 χ^2/NDF:31.6/24

Right Out: -636.563+/-451.010 χ^2/NDF: 13.2/28

Left In: -356.387+/-301.902 χ^2/NDF:29.7/22

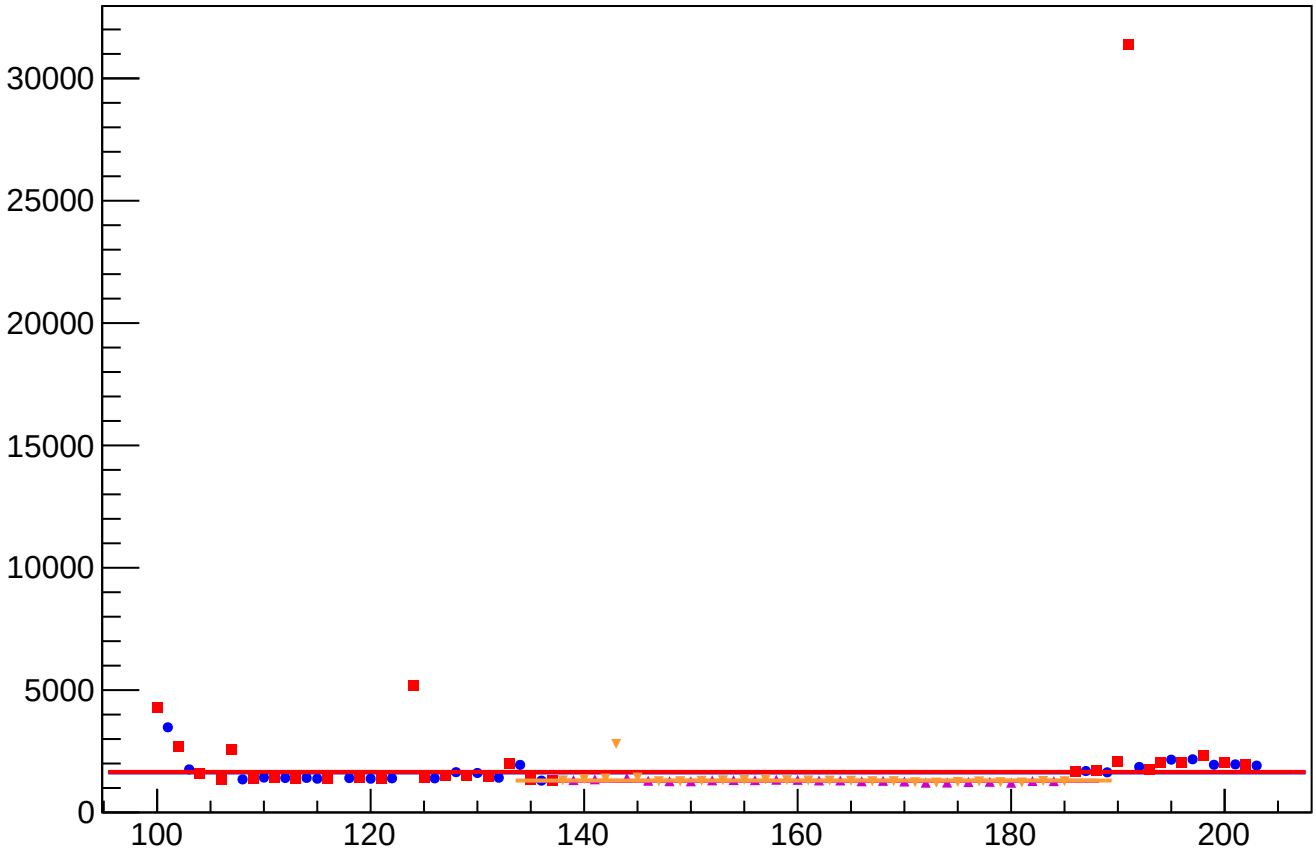
Left: -337.843+/-212.182 χ^2/NDF: 61.2/47

Right: -582.852+/-321.979 χ^2/NDF: 35.2/52

In: -407.789+/-252.367 χ^2/NDF:51.7/46

Out: -416.147+/-248.786 χ^2/NDF:45.1/53

All: -412.028+/-177.171 χ^2/NDF: 96.8/100



Right In: 1635.018+/-0.325 χ^2/NDF: 1086900.4/23

Left Out: 1304.156+/-0.211 χ^2/NDF:519609.1/24

Right Out: 1657.593+/-0.319 χ^2/NDF: 1347719.7/28

Left In: 1292.123+/-0.213 χ^2/NDF:48343.1/22

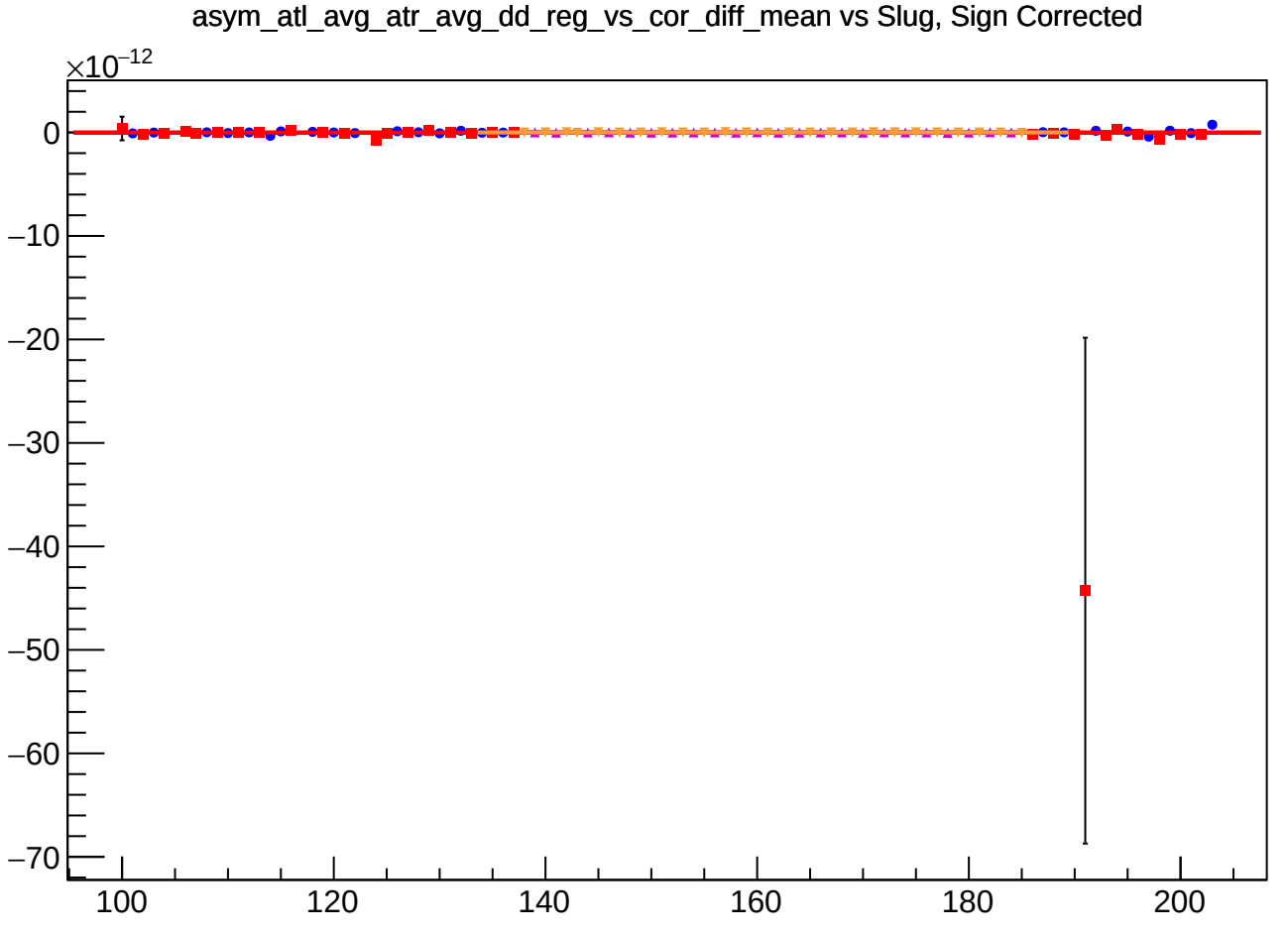
Left: 1298.212+/-0.150 χ^2/NDF: 569560.1/47

Right: 1646.524+/-0.228 χ^2/NDF: 2437077.1/52

In: 1395.416+/-0.178 χ^2/NDF:1912433.7/46

Out: 1411.702+/-0.176 χ^2/NDF:2721830.8/53

All: 1403.675+/-0.125 χ^2/NDF: 4638488.6/10



Right In: -0.000+/-0.000 χ^2/NDF: 28.1/23

Left Out: 0.000+/-0.000 χ^2/NDF:24.3/24

Right Out: -0.000+/-0.000 χ^2/NDF: 36.7/28

Left In: -0.000+/-0.000 χ^2/NDF:29.6/22

Left: -0.000+/-0.000 χ^2/NDF: 54.2/47

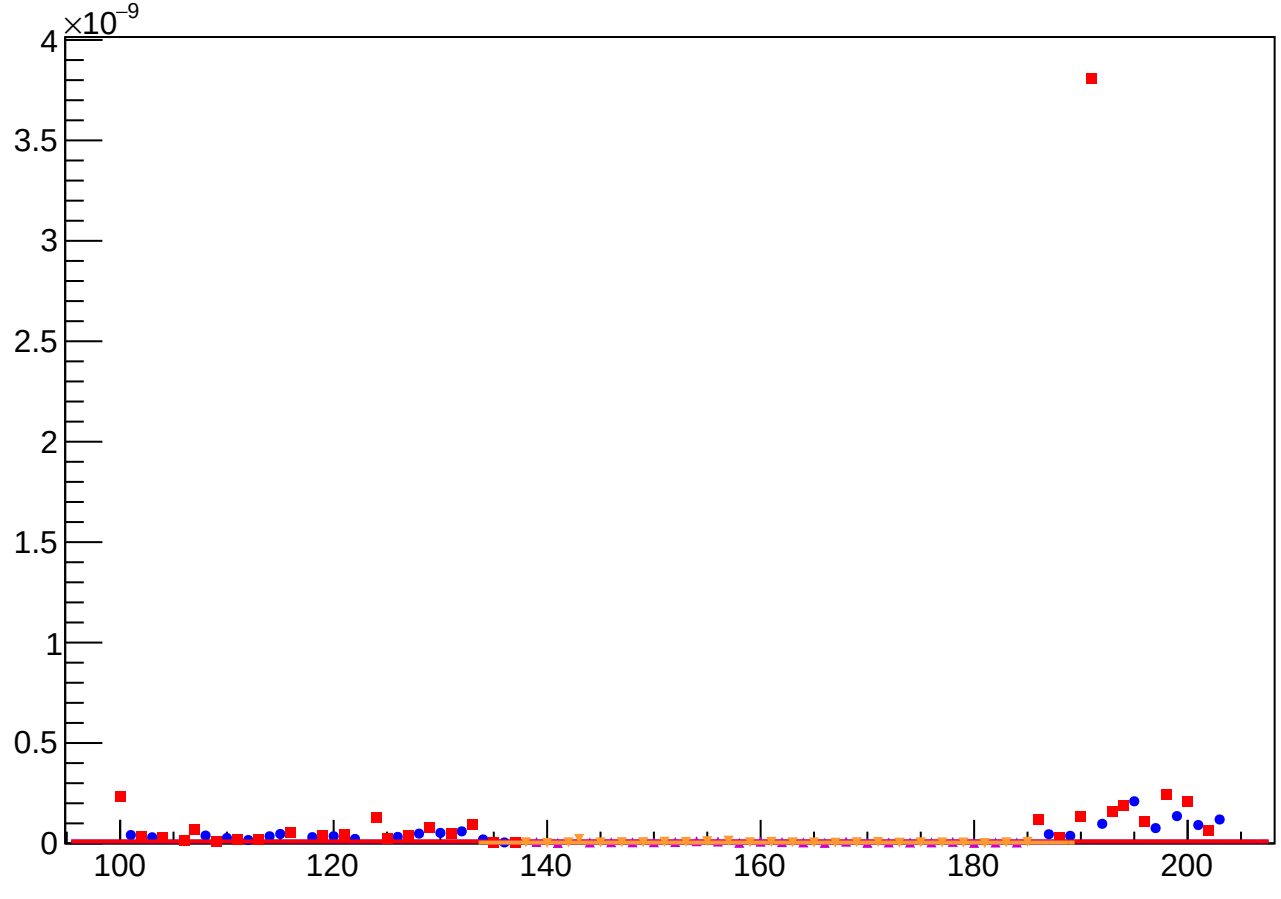
Right: -0.000+/-0.000 χ^2/NDF: 64.8/52

In: -0.000+/-0.000 χ^2/NDF:59.6/46

Out: -0.000+/-0.000 χ^2/NDF:64.0/53

All: -0.000+/-0.000 χ^2/NDF: 123.9/100

asym_atl_avg_atr_avg_dd_reg_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 6272089.5/23

Left Out: 0.000+/-0.000 χ^2/NDF:2715297.7/24

Right Out: 0.000+/-0.000 χ^2/NDF: 8083906.4/28

Left In: 0.000+/-0.000 χ^2/NDF:1884808.0/22

Left: 0.000+/-0.000 χ^2/NDF: 4620695.3/47

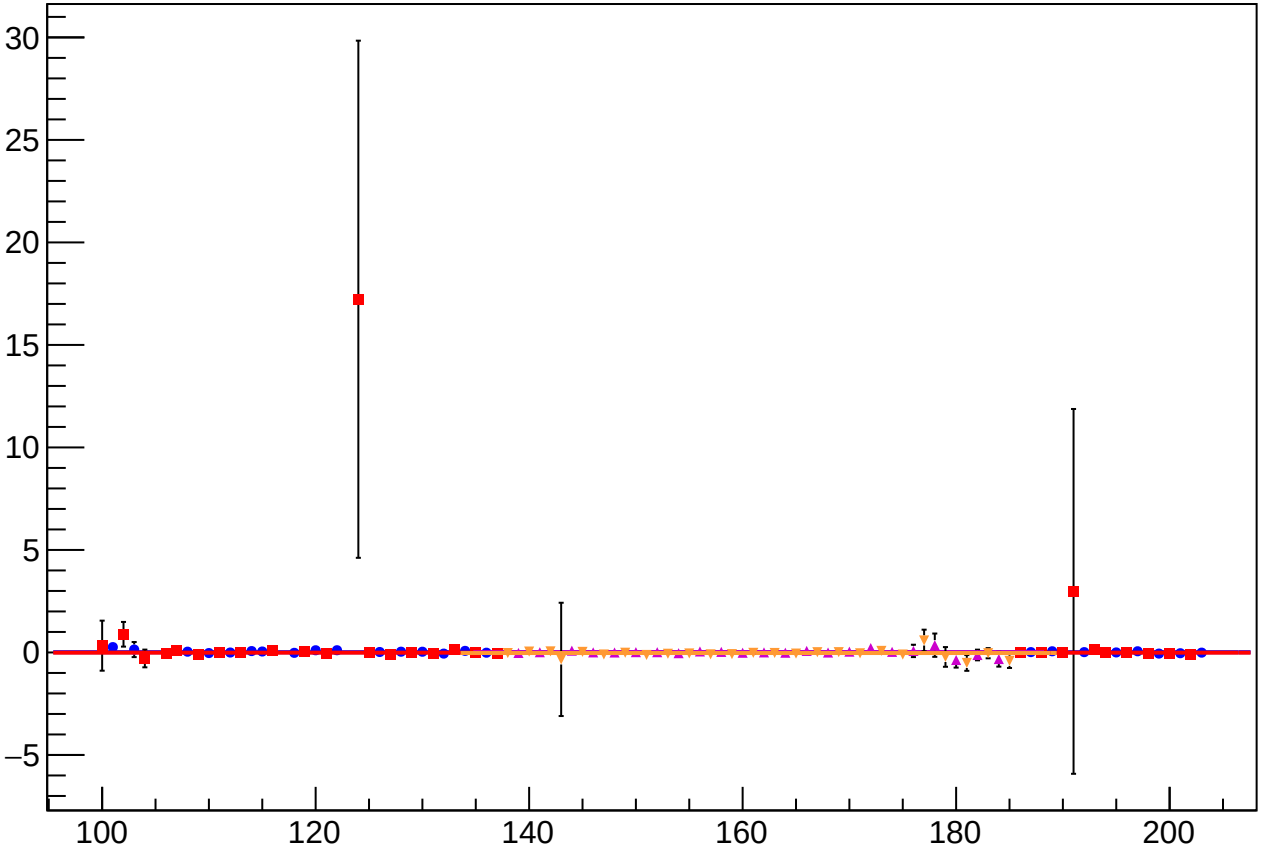
Right: 0.000+/-0.000 χ^2/NDF: 14360957.2/52

In: 0.000+/-0.000 χ^2/NDF:8872303.6/46

Out: 0.000+/-0.000 χ^2/NDF:11674554.7/53

All: 0.000+/-0.000 χ^2/NDF: 20573977.6/100

asym_atl_avg_atr_avg_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.012+/-0.013 χ^2/NDF: 13.8/23

Left Out: -0.028+/-0.010 χ^2/NDF:28.1/24

Right Out: -0.010+/-0.013 χ^2/NDF: 22.3/28

Left In: 0.011+/-0.009 χ^2/NDF:13.2/22

Left: -0.008+/-0.007 χ^2/NDF: 49.6/47

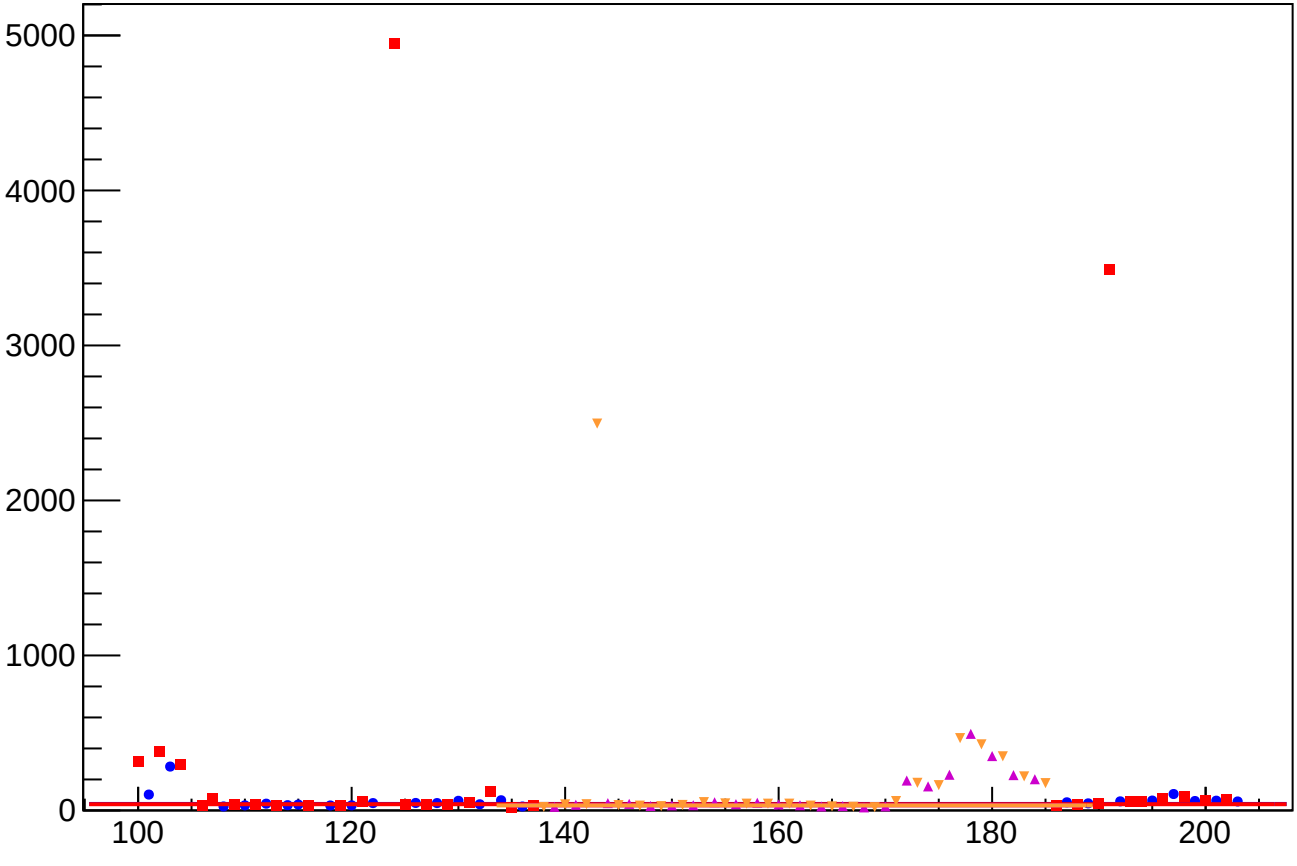
Right: 0.000+/-0.009 χ^2/NDF: 37.5/52

In: 0.011+/-0.008 χ^2/NDF:26.9/46

Out: -0.021+/-0.008 χ^2/NDF:51.7/53

All: -0.005+/-0.005 χ^2/NDF: 87.8/100

asym_atl_avg_atr_avg_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 41.940+/-0.009 χ^2/NDF: 3949382.4/23

Left Out: 32.551+/-0.007 χ^2/NDF:10871758.1/24

Right Out: 40.276+/-0.009 χ^2/NDF: 5258336.5/28

Left In: 32.738+/-0.007 χ^2/NDF:8963240.8/22

Left: 32.645+/-0.005 χ^2/NDF: 19835386.0/47

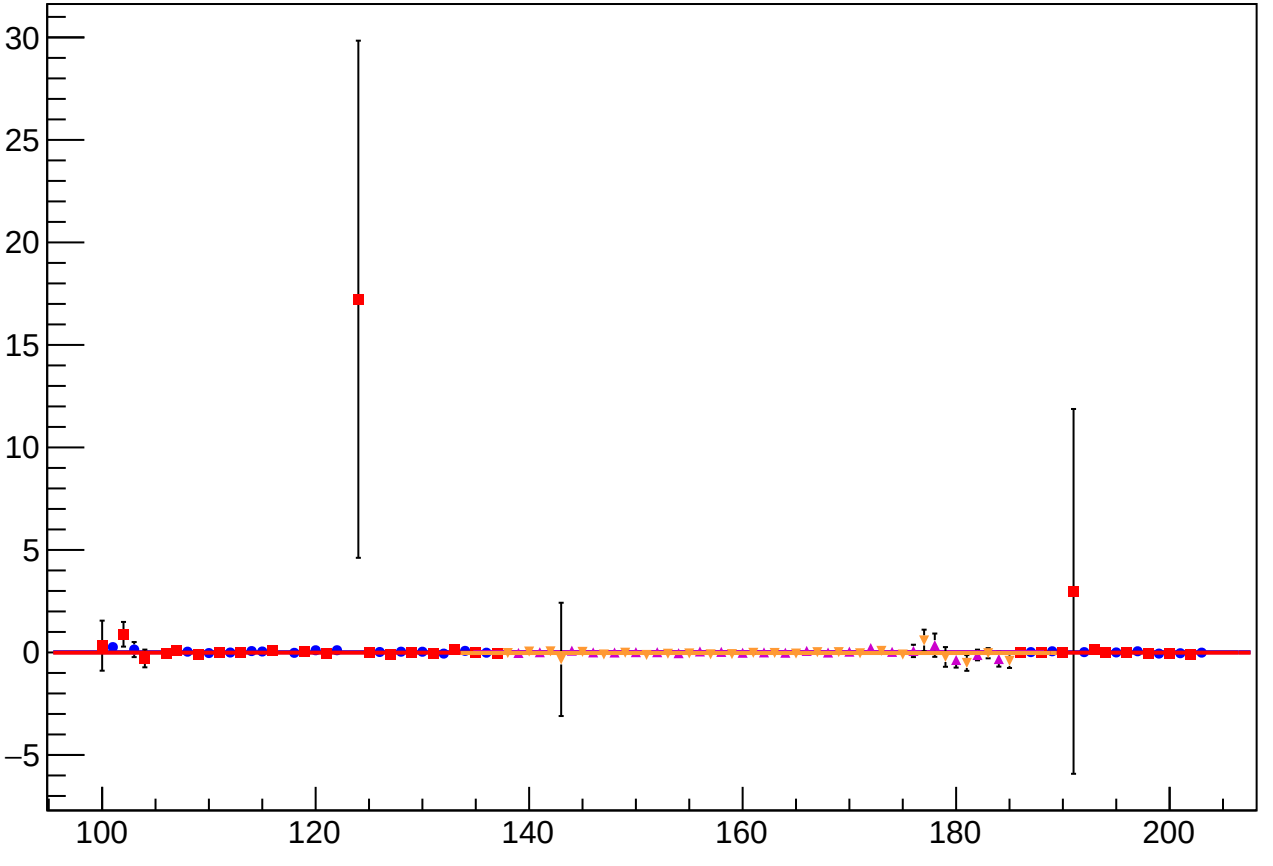
Right: 41.063+/-0.006 χ^2/NDF: 9224054.8/52

In: 35.826+/-0.005 χ^2/NDF:13542325.6/46

Out: 35.341+/-0.005 χ^2/NDF:16606068.8/53

All: 35.579+/-0.004 χ^2/NDF: 30152393.1/100

asym_atl_avg_atr_avg_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.012+/-0.013 χ^2/NDF: 13.8/23

Left Out: -0.028+/-0.010 χ^2/NDF:28.1/24

Right Out: -0.010+/-0.013 χ^2/NDF: 22.3/28

Left In: 0.011+/-0.009 χ^2/NDF:13.2/22

Left: -0.008+/-0.007 χ^2/NDF: 49.6/47

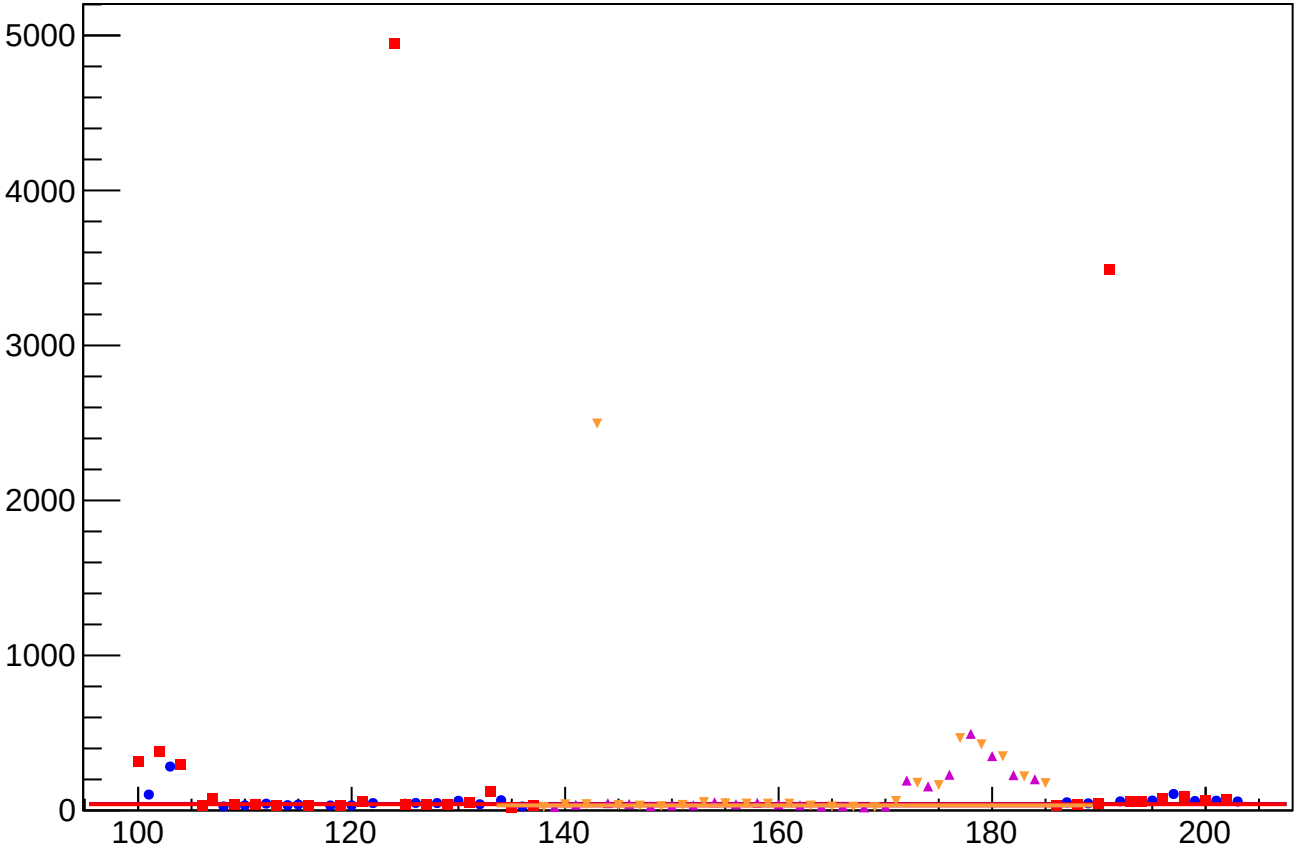
Right: 0.000+/-0.009 χ^2/NDF: 37.5/52

In: 0.011+/-0.008 χ^2/NDF:26.9/46

Out: -0.021+/-0.008 χ^2/NDF:51.7/53

All: -0.005+/-0.005 χ^2/NDF: 87.8/100

asym_atl_avg_atr_avg_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 41.940+/-0.009 χ^2/NDF: 3949382.4/23

Left Out: 32.551+/-0.007 χ^2/NDF:10871758.1/24

Right Out: 40.276+/-0.009 χ^2/NDF: 5258336.5/28

Left In: 32.738+/-0.007 χ^2/NDF:8963240.8/22

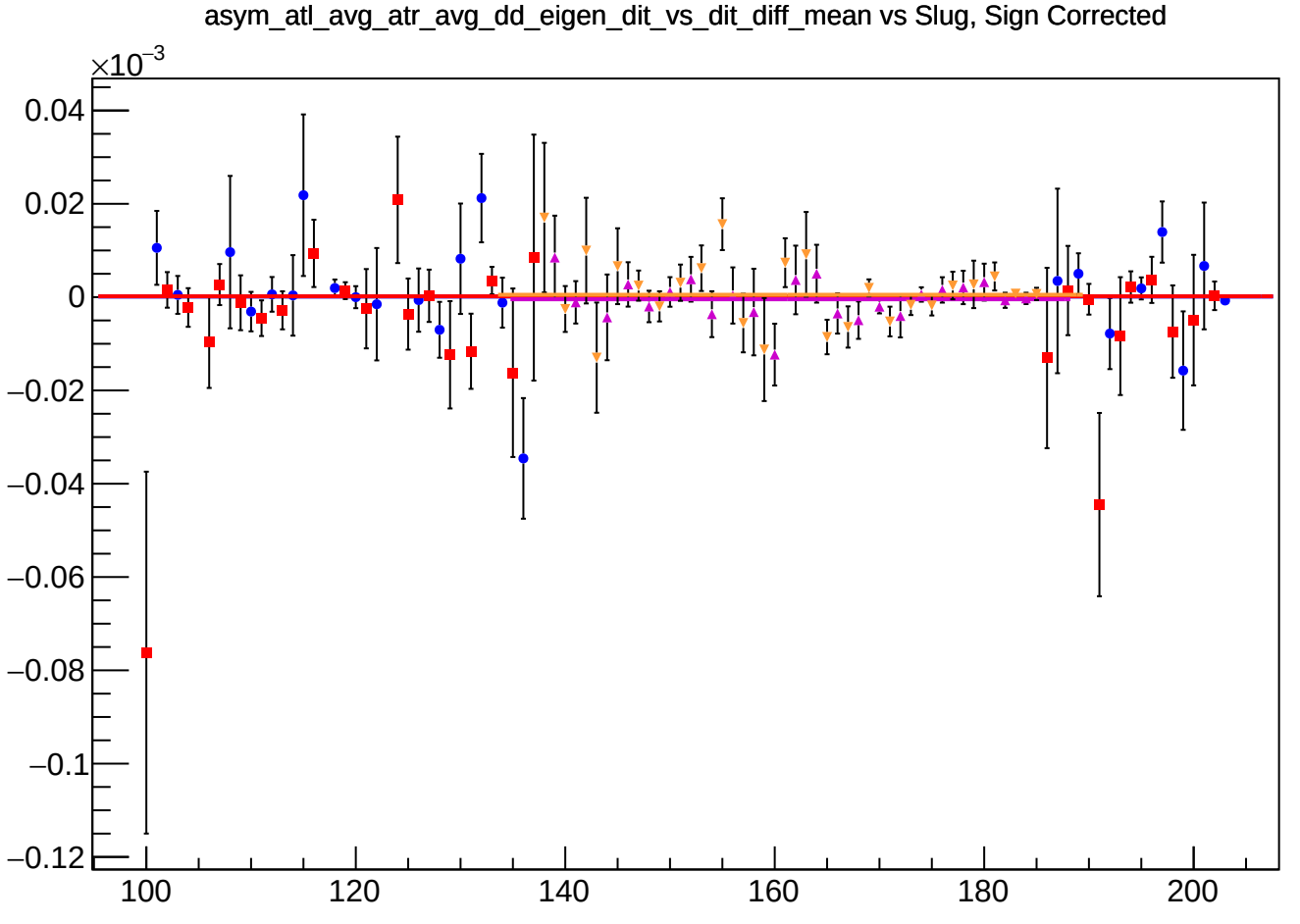
Left: 32.645+/-0.005 χ^2/NDF: 19835386.0/47

Right: 41.063+/-0.006 χ^2/NDF: 9224054.8/52

In: 35.826+/-0.005 χ^2/NDF:13542325.6/46

Out: 35.341+/-0.005 χ^2/NDF:16606068.8/53

All: 35.579+/-0.004 χ^2/NDF: 30152393.1/100



Right In: 0.000+/-0.000 χ^2/NDF: 29.5/23

Left Out: 0.000+/-0.000 χ^2/NDF:35.7/24

Right Out: 0.000+/-0.000 χ^2/NDF: 25.8/28

Left In: -0.000+/-0.000 χ^2/NDF:13.7/22

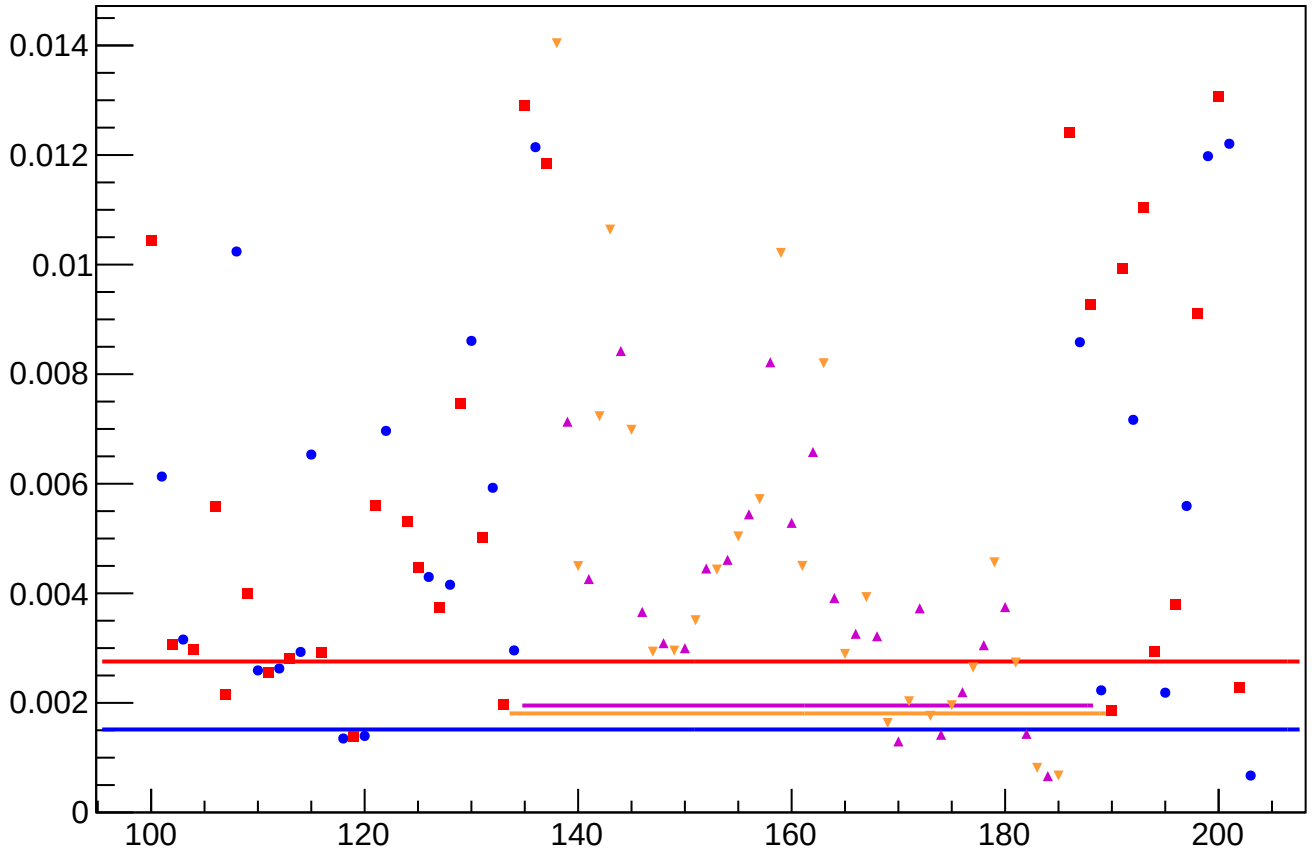
Left: 0.000+/-0.000 χ^2/NDF: 50.9/47

Right: 0.000+/-0.000 χ^2/NDF: 55.3/52

In: -0.000+/-0.000 χ^2/NDF:43.7/46

Out: 0.000+/-0.000 χ^2/NDF:61.6/53

All: 0.000+/-0.000 χ^2/NDF: 106.2/100



Right In: 0.002+/-0.000 χ^2/NDF: 12850645.6/23

Left Out: 0.002+/-0.000 χ^2/NDF:14941257.4/24

Right Out: 0.003+/-0.000 χ^2/NDF: 8251766.8/28

Left In: 0.002+/-0.000 χ^2/NDF:11478607.0/22

Left: 0.002+/-0.000 χ^2/NDF: 26484379.9/47

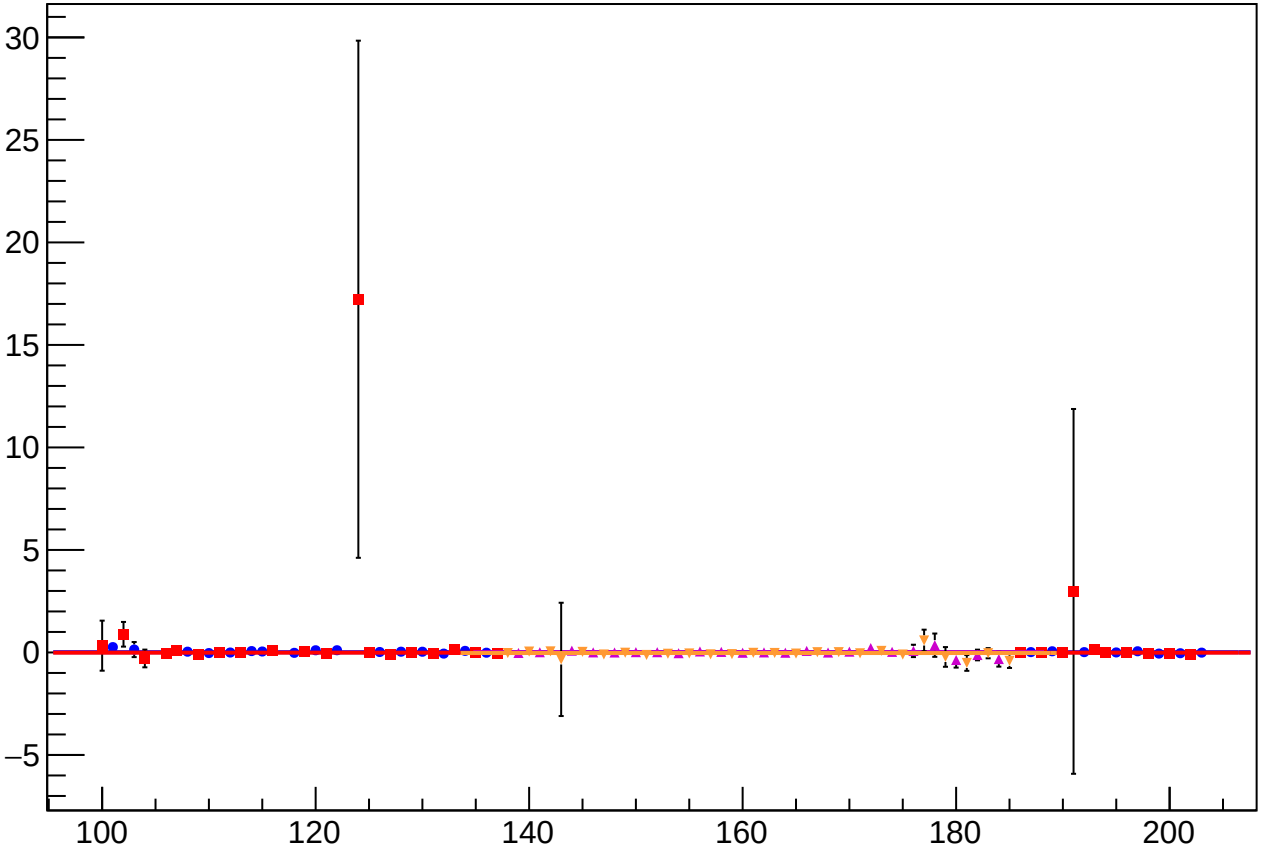
Right: 0.002+/-0.000 χ^2/NDF: 23672134.9/52

In: 0.002+/-0.000 χ^2/NDF:24842814.1/46

Out: 0.002+/-0.000 χ^2/NDF:24827432.4/53

All: 0.002+/-0.000 χ^2/NDF: 50169252.0/100

asym_atl_avg_atr_avg_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.012+/-0.013 χ^2/NDF: 13.8/23

Left Out: -0.028+/-0.010 χ^2/NDF:28.1/24

Right Out: -0.010+/-0.013 χ^2/NDF: 22.3/28

Left In: 0.011+/-0.009 χ^2/NDF:13.2/22

Left: -0.008+/-0.007 χ^2/NDF: 49.6/47

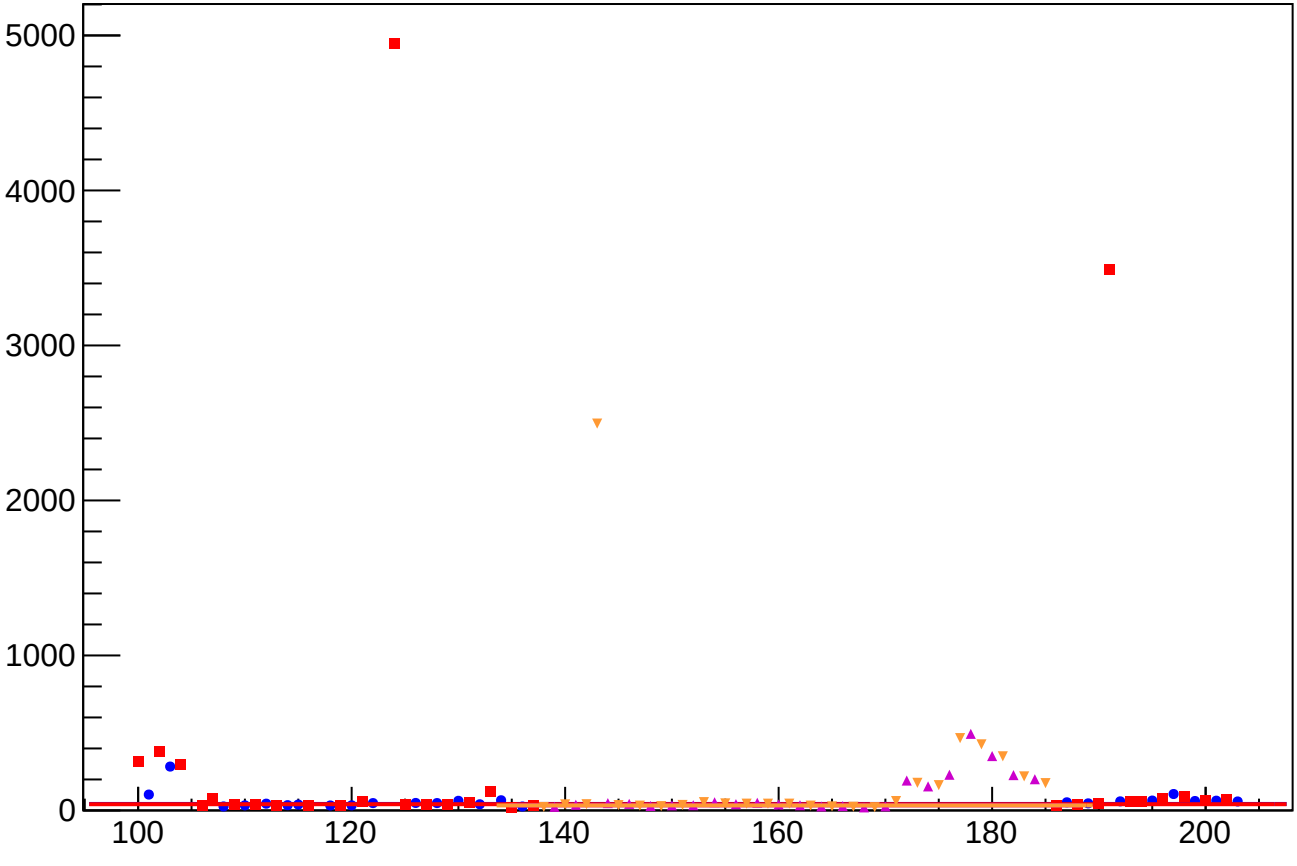
Right: 0.000+/-0.009 χ^2/NDF: 37.5/52

In: 0.011+/-0.008 χ^2/NDF:26.9/46

Out: -0.021+/-0.008 χ^2/NDF:51.7/53

All: -0.005+/-0.005 χ^2/NDF: 87.8/100

asym_atl_avg_atr_avg_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 41.941+/-0.009 χ^2/NDF: 3948908.3/23

Left Out: 32.551+/-0.007 χ^2/NDF:10872015.8/24

Right Out: 40.277+/-0.009 χ^2/NDF: 5258115.2/28

Left In: 32.737+/-0.007 χ^2/NDF:8963873.9/22

Left: 32.644+/-0.005 χ^2/NDF: 19836272.3/47

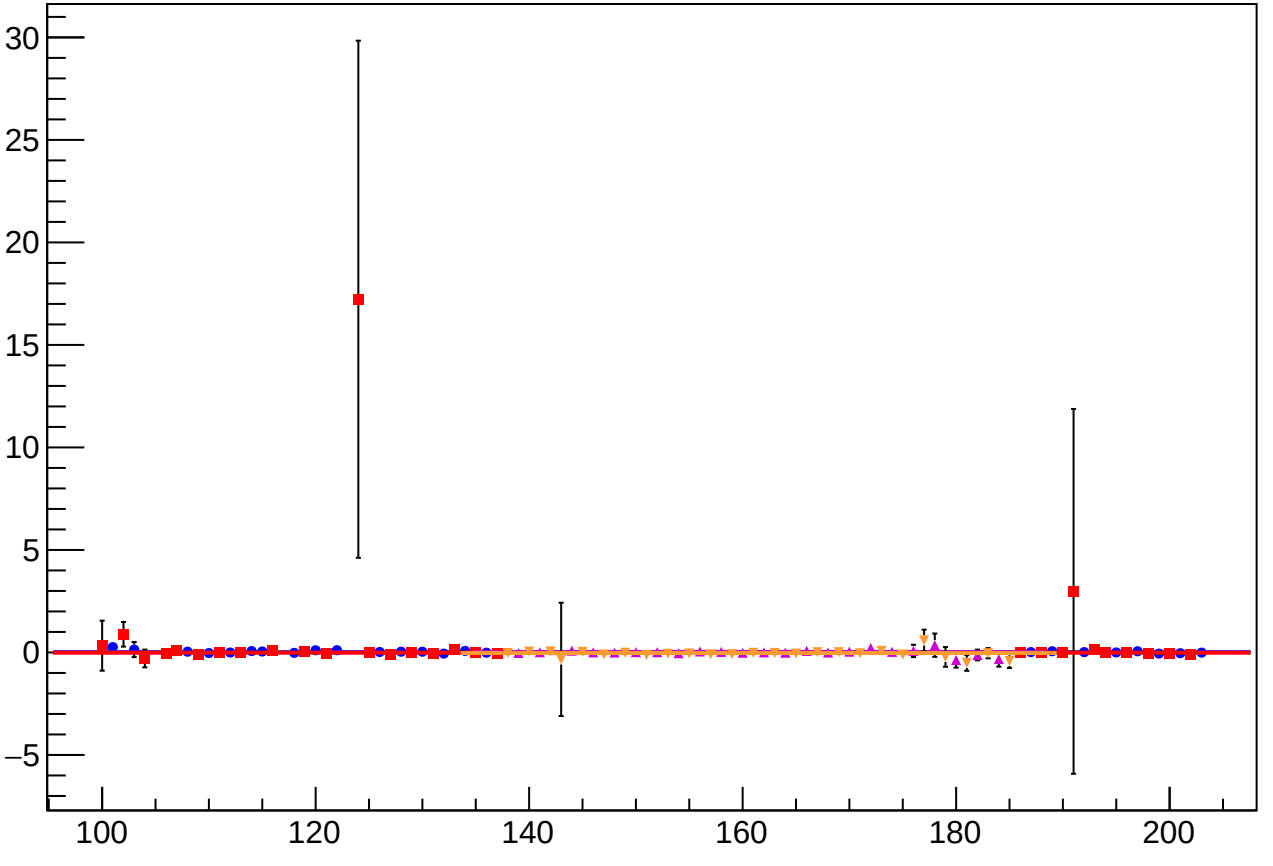
Right: 41.064+/-0.006 χ^2/NDF: 9223381.2/52

In: 35.826+/-0.005 χ^2/NDF:13542845.3/46

Out: 35.341+/-0.005 χ^2/NDF:16606161.6/53

All: 35.579+/-0.004 χ^2/NDF: 30152996.9/100

asym_atl_avg_atr_avg_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.012+/-0.013 χ^2/NDF: 13.8/23

Left Out: -0.028+/-0.010 χ^2/NDF:28.1/24

Right Out: -0.010+/-0.013 χ^2/NDF: 22.3/28

Left In: 0.011+/-0.009 χ^2/NDF:13.2/22

Left: -0.008+/-0.007 χ^2/NDF: 49.6/47

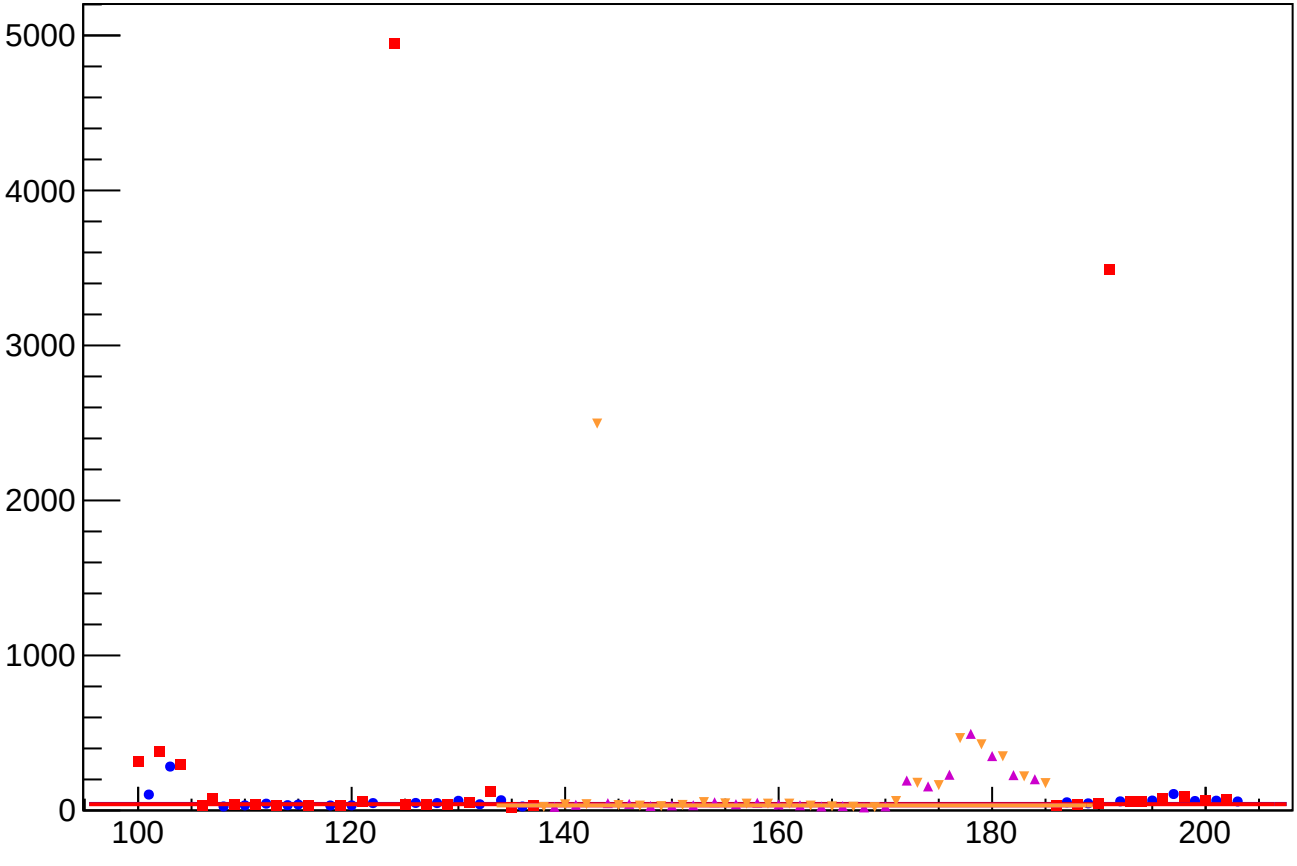
Right: 0.000+/-0.009 χ^2/NDF: 37.5/52

In: 0.011+/-0.008 χ^2/NDF:26.9/46

Out: -0.021+/-0.008 χ^2/NDF:51.7/53

All: -0.005+/-0.005 χ^2/NDF: 87.8/100

asym_atl_avg_atr_avg_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 41.941+/-0.009 χ^2/NDF: 3948908.3/23

Left Out: 32.551+/-0.007 χ^2/NDF:10872015.8/24

Right Out: 40.277+/-0.009 χ^2/NDF: 5258115.2/28

Left In: 32.737+/-0.007 χ^2/NDF:8963873.9/22

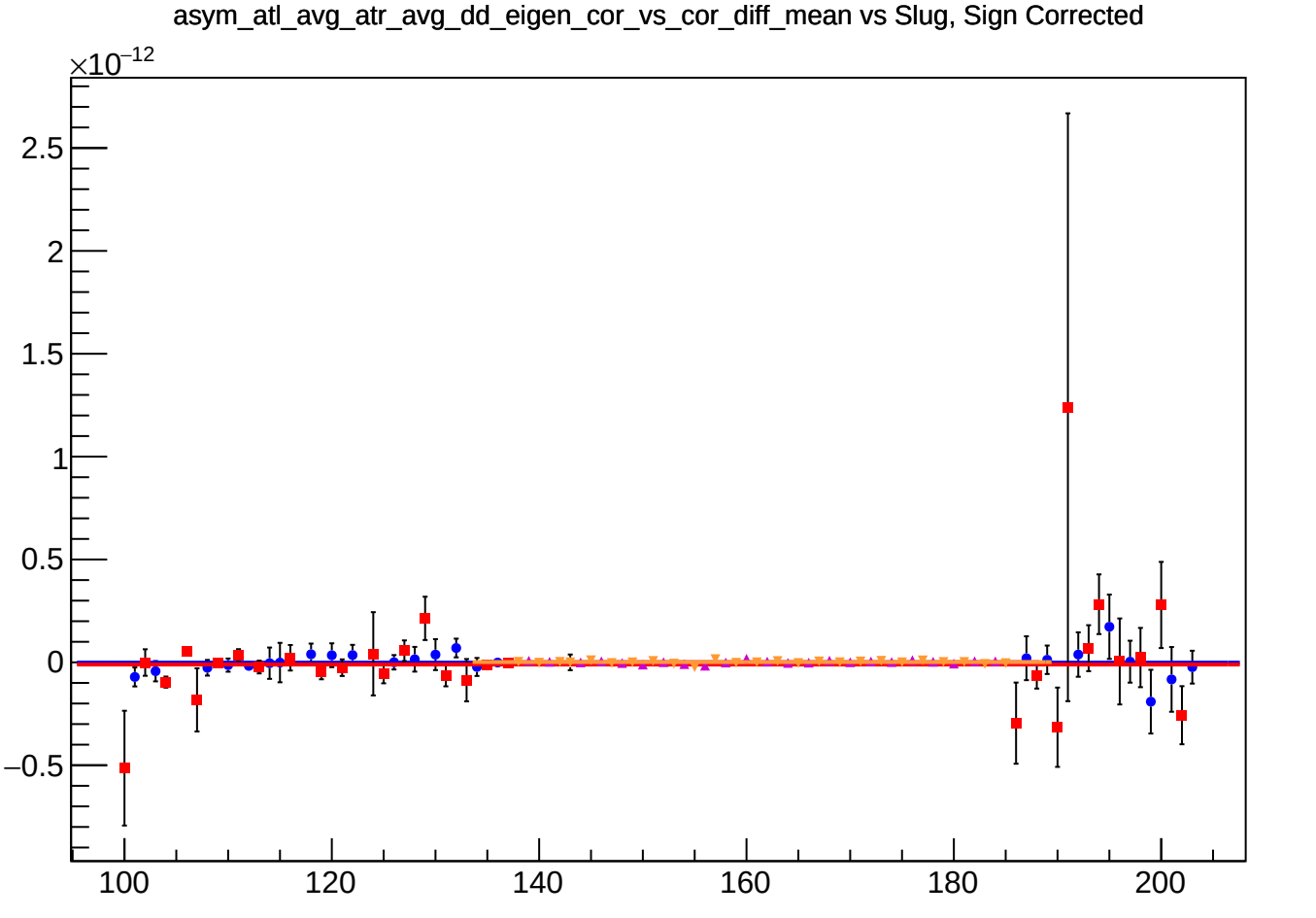
Left: 32.644+/-0.005 χ^2/NDF: 19836272.3/47

Right: 41.064+/-0.006 χ^2/NDF: 9223381.2/52

In: 35.826+/-0.005 χ^2/NDF:13542845.3/46

Out: 35.341+/-0.005 χ^2/NDF:16606161.6/53

All: 35.579+/-0.004 χ^2/NDF: 30152996.9/100



Right In: -0.000+/-0.000 χ^2/NDF: 11.9/23

Left Out: 0.000+/-0.000 χ^2/NDF:18.1/24

Right Out: -0.000+/-0.000 χ^2/NDF: 55.5/28

Left In: 0.000+/-0.000 χ^2/NDF:28.7/22

Left: 0.000+/-0.000 χ^2/NDF: 46.8/47

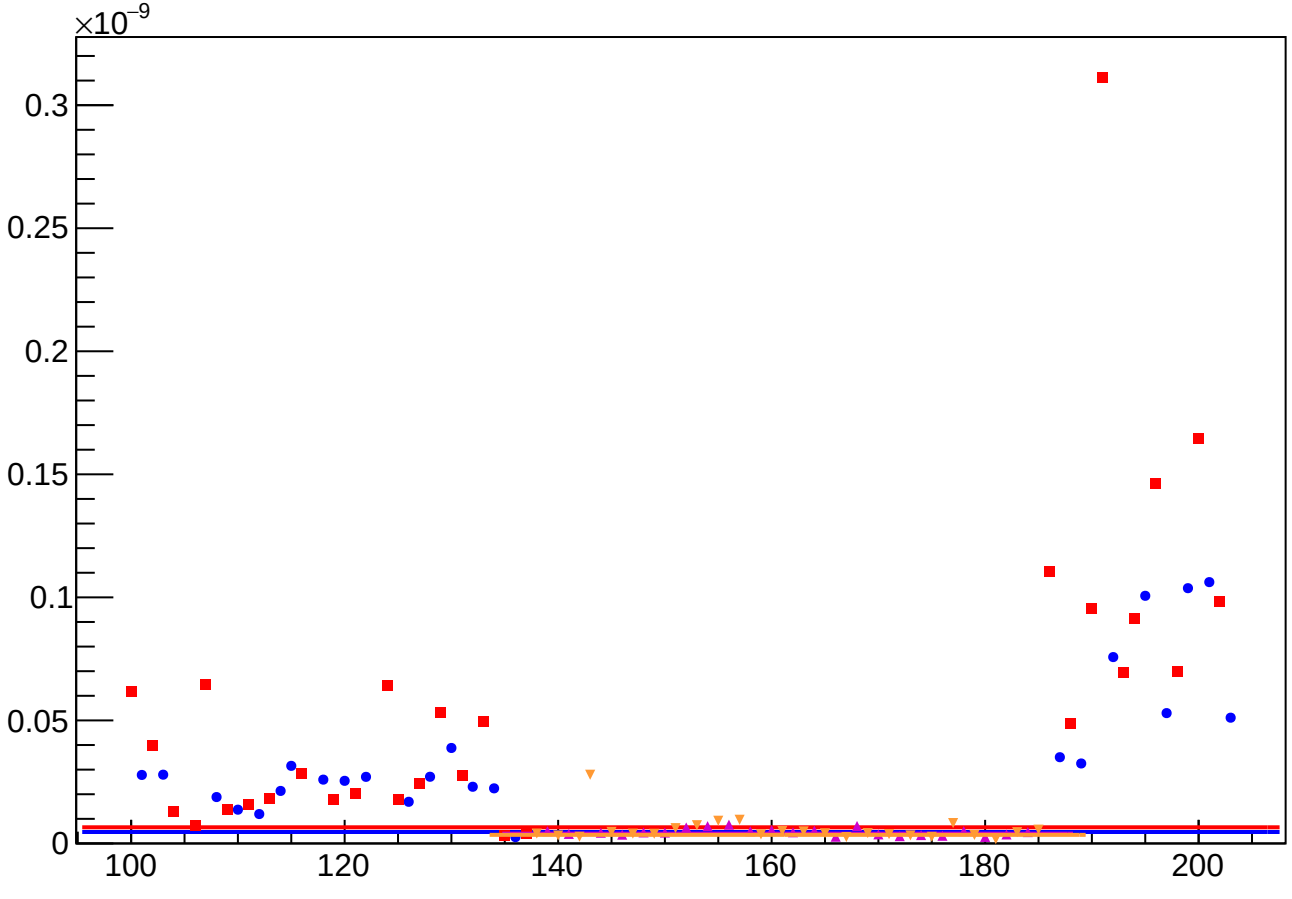
Right: -0.000+/-0.000 χ^2/NDF: 70.4/52

In: 0.000+/-0.000 χ^2/NDF:41.1/46

Out: 0.000+/-0.000 χ^2/NDF:81.4/53

All: 0.000+/-0.000 χ^2/NDF: 122.5/100

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: 10002564.1/23

Left Out: 0.000+/-0.000 χ^2/NDF:4688121.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 11418871.2/28

Left In: 0.000+/-0.000 χ^2/NDF:2073078.0/22

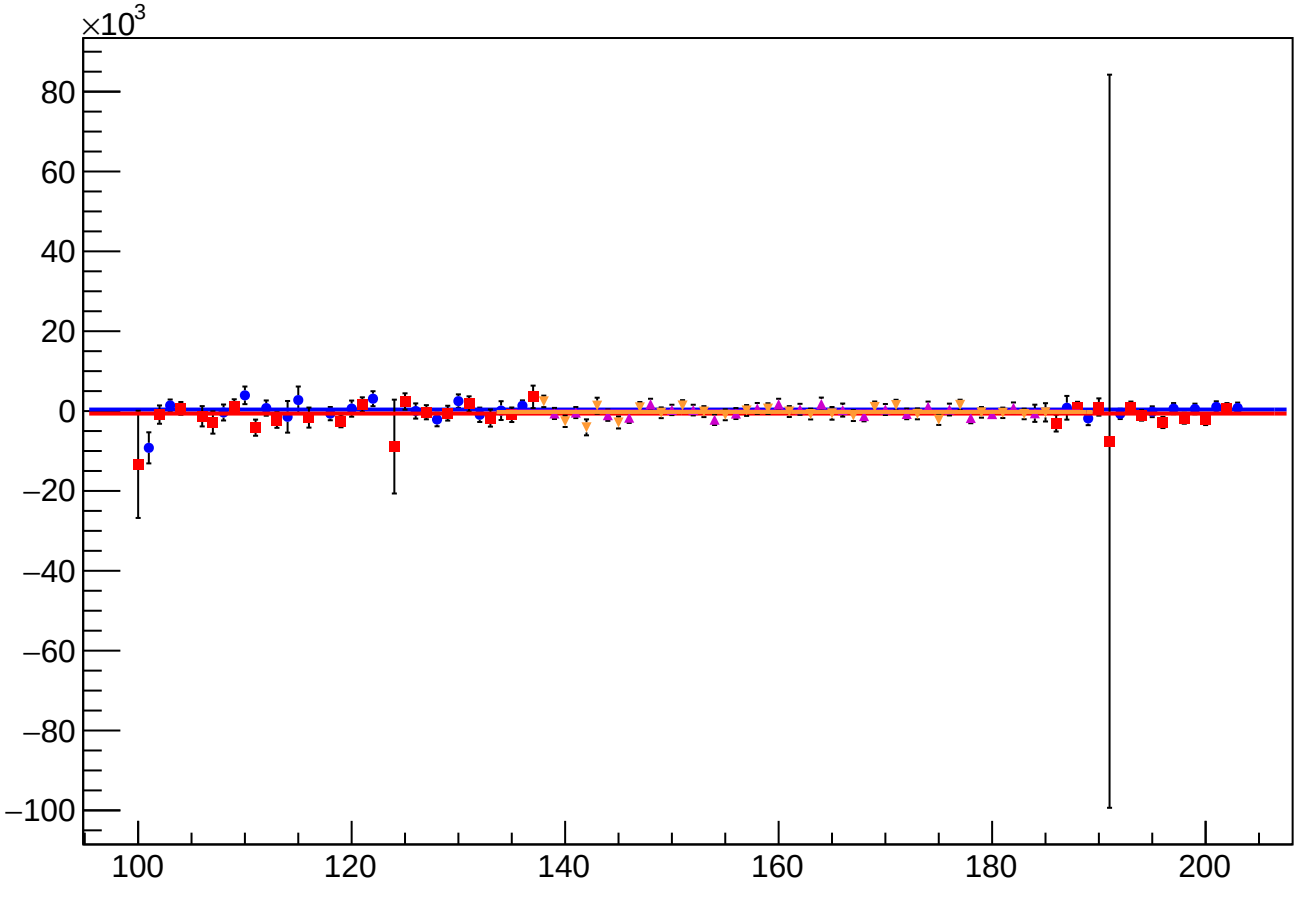
Left: 0.000+/-0.000 χ^2/NDF: 6948707.3/47

Right: 0.000+/-0.000 χ^2/NDF: 21673954.0/52

In: 0.000+/-0.000 χ^2/NDF:12148089.7/46

Out: 0.000+/-0.000 χ^2/NDF:17133136.5/53

All: 0.000+/-0.000 χ^2/NDF: 29399234.7/100



Right In: 380.864+/-352.308 χ^2/NDF: 20.2/23

Left Out: -220.721+/-283.055 χ^2/NDF:23.9/24

Right Out: -626.859+/-342.208 χ^2/NDF: 27.0/28

Left In: -92.402+/-288.217 χ^2/NDF:14.7/22

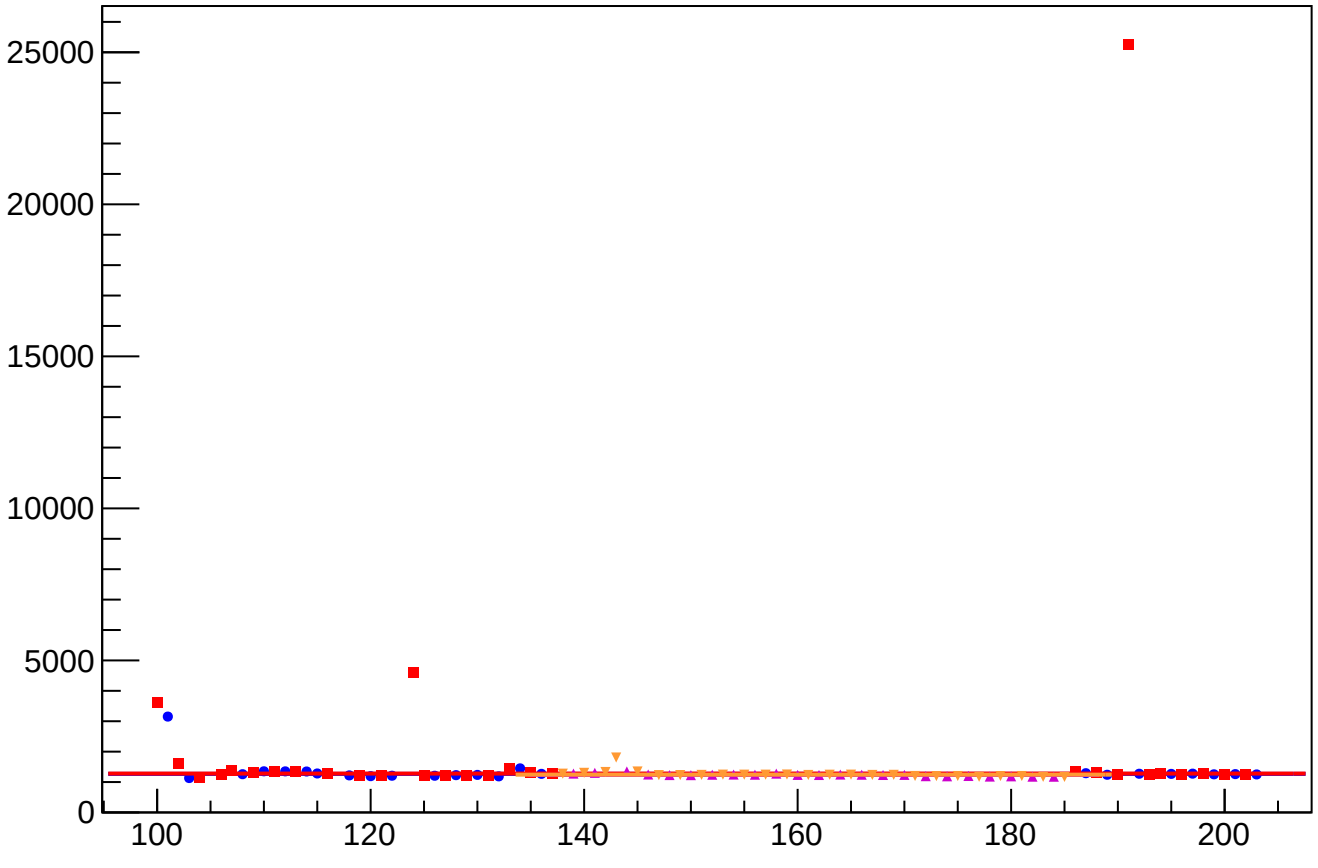
Left: -157.721+/-201.950 χ^2/NDF: 38.7/47

Right: -137.649+/-245.470 χ^2/NDF: 51.5/52

In: 97.346+/-223.078 χ^2/NDF:36.0/46

Out: -385.708+/-218.111 χ^2/NDF:51.8/53

All: -149.619+/-155.954 χ^2/NDF: 90.2/100



Right In: 1267.948+/-0.249 χ^2/NDF: 520874.4/23

Left Out: 1242.825+/-0.200 χ^2/NDF:203299.1/24

Right Out: 1278.761+/-0.242 χ^2/NDF: 470376.6/28

Left In: 1233.752+/-0.204 χ^2/NDF:39281.8/22

Left: 1238.371+/-0.143 χ^2/NDF: 243589.7/47

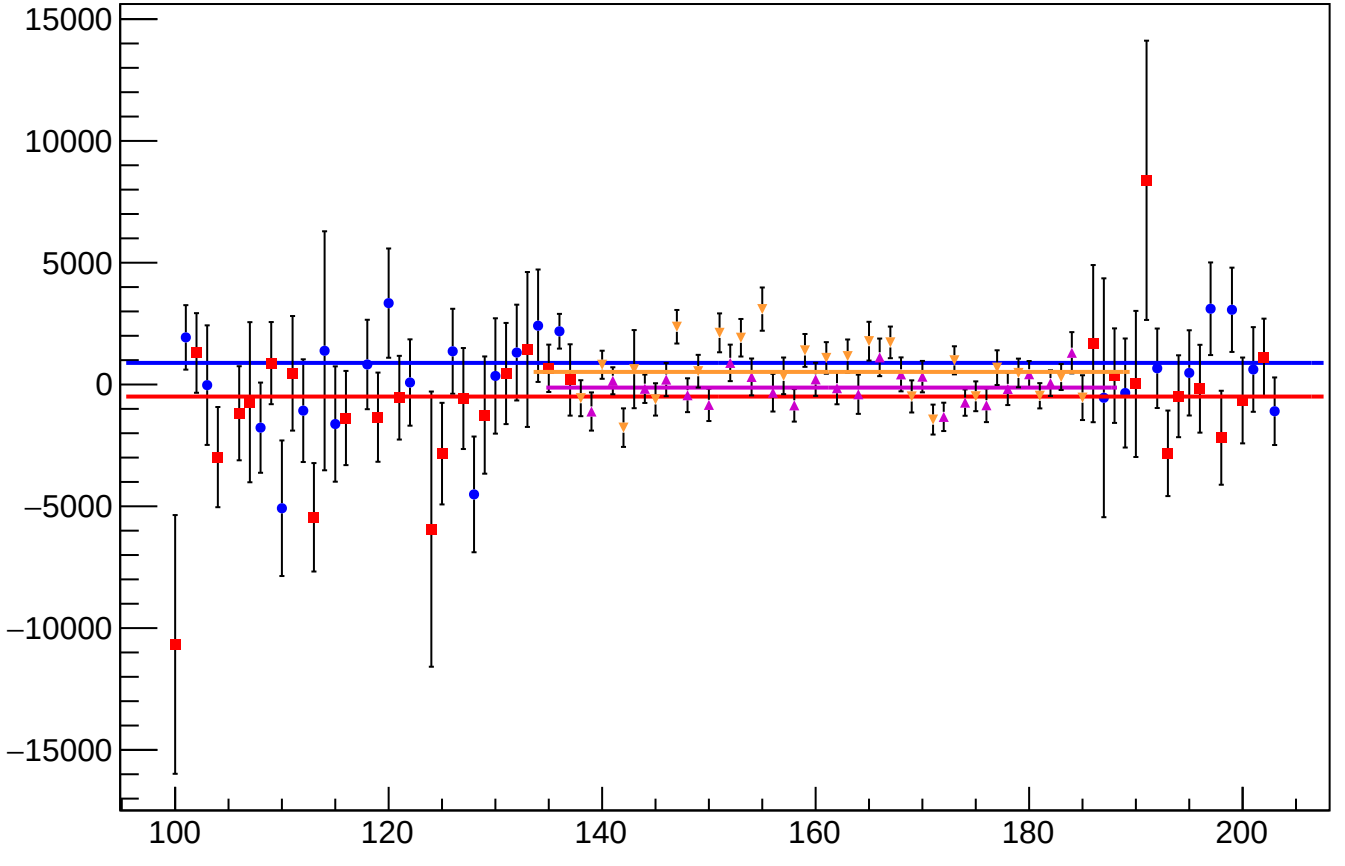
Right: 1273.512+/-0.174 χ^2/NDF: 992220.3/52

In: 1247.462+/-0.158 χ^2/NDF:571443.8/46

Out: 1257.423+/-0.154 χ^2/NDF:686771.2/53

All: 1252.555+/-0.110 χ^2/NDF: 1260253.7/10

asym_atl_dd_atr_dd_dd_reg_correction_mean vs Slug, Sign Corrected



Right In: 887.253+/-355.340 χ^2/NDF: 25.4/23

Left Out: 516.792+/-135.746 χ^2/NDF:67.0/24

Right Out: -494.846+/-361.782 χ^2/NDF: 23.8/28

Left In: -126.569+/-137.266 χ^2/NDF:21.6/22

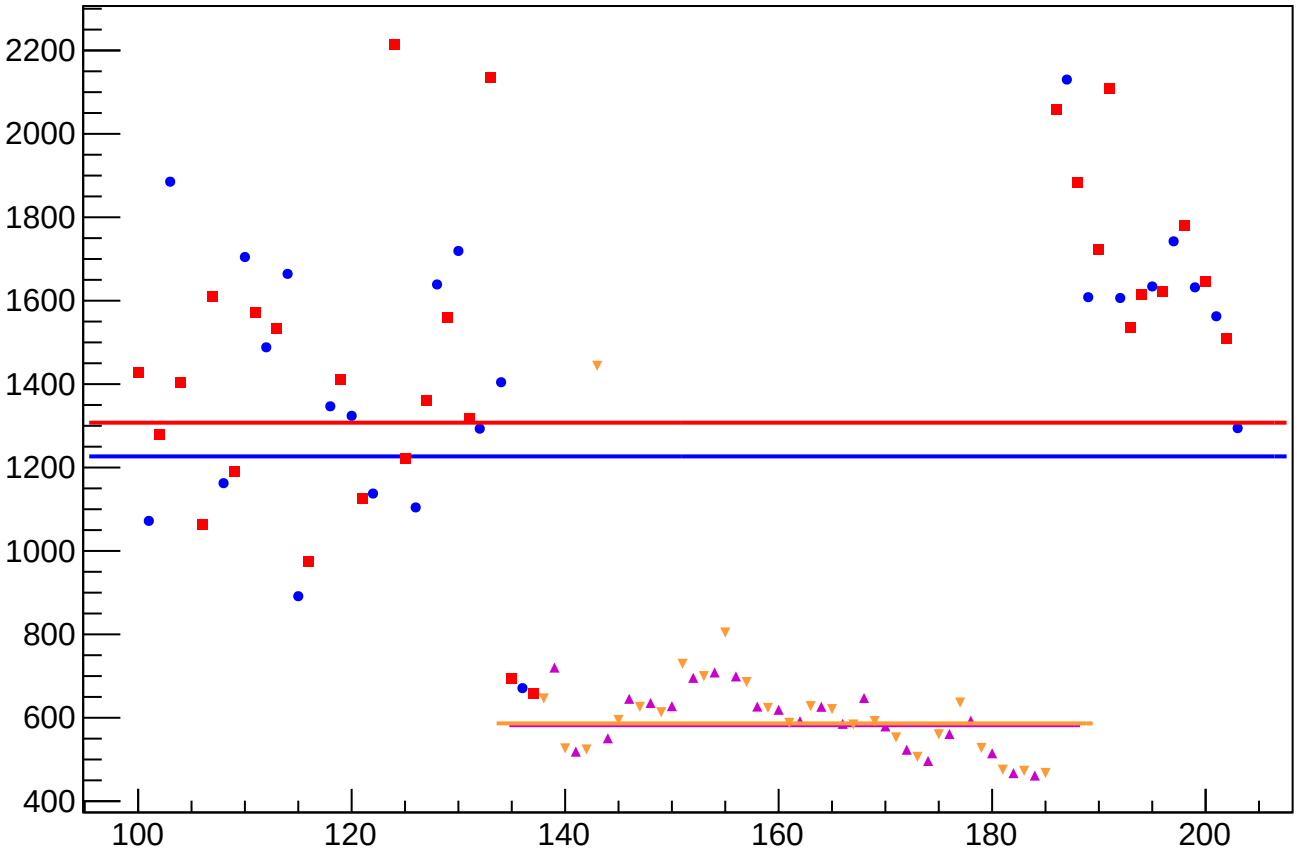
Left: 198.694+/-96.520 χ^2/NDF: 99.7/47

Right: 208.617+/-253.510 χ^2/NDF: 56.7/52

In: 5.073+/-128.045 χ^2/NDF:54.0/46

Out: 391.944+/-127.094 χ^2/NDF:97.7/53

All: 199.950+/-90.203 χ^2/NDF: 156.4/100



Right In: 1226.721+/-0.251 χ^2/NDF: 2401715.0/23

Left Out: 586.557+/-0.096 χ^2/NDF:1202915.7/24

Right Out: 1307.558+/-0.256 χ^2/NDF: 2350254.8/28

Left In: 582.190+/-0.097 χ^2/NDF:559261.3/22

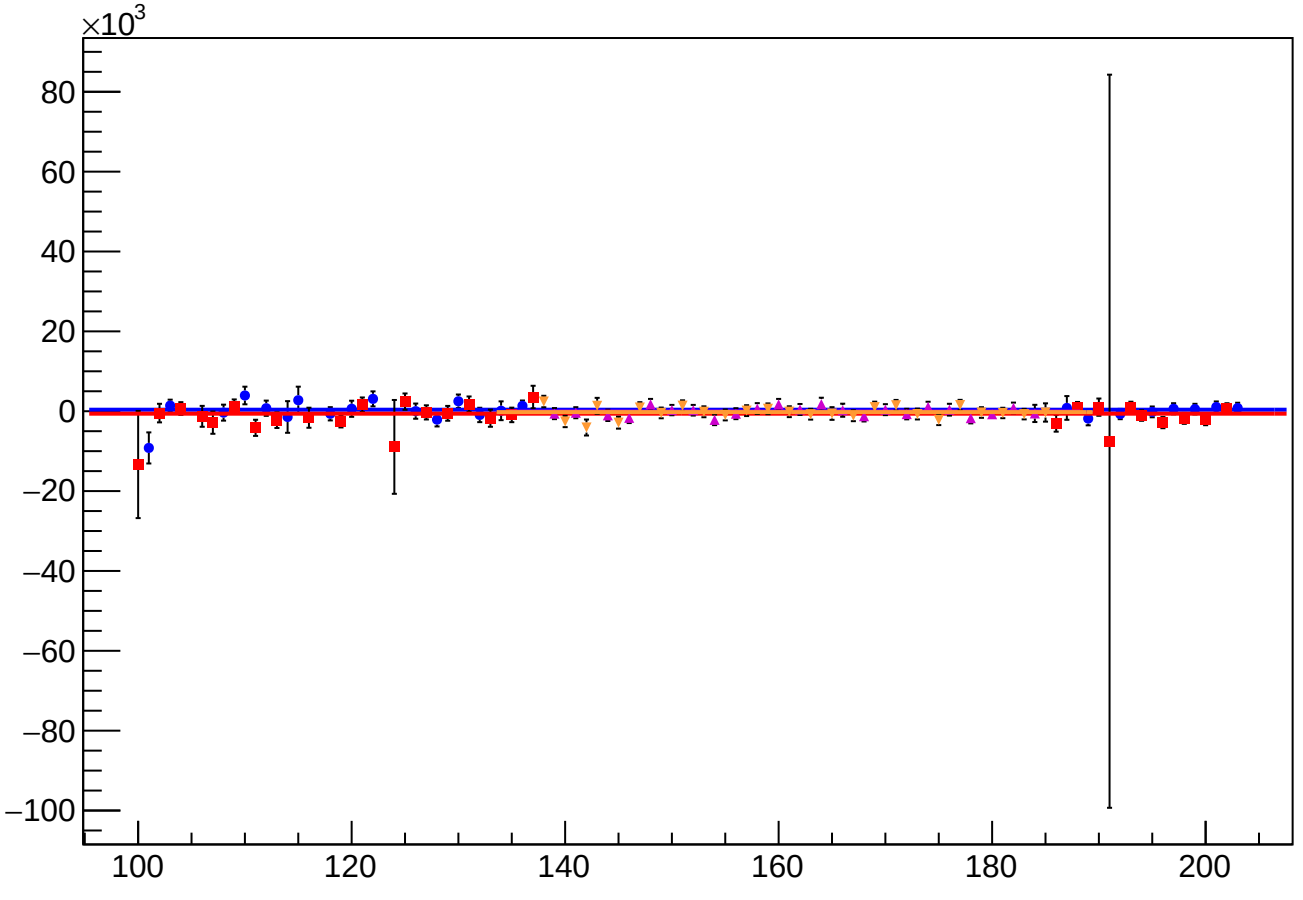
Left: 584.398+/-0.068 χ^2/NDF: 1763200.3/47

Right: 1266.413+/-0.179 χ^2/NDF: 4802792.9/52

In: 665.881+/-0.091 χ^2/NDF:8686607.4/46

Out: 675.537+/-0.090 χ^2/NDF:10516285.3/53

All: 670.745+/-0.064 χ^2/NDF: 19208622.2/10



Right In: 381.082+/-352.308 χ^2/NDF: 20.2/23

Left Out: -220.755+/-283.055 χ^2/NDF:23.9/24

Right Out: -616.661+/-342.503 χ^2/NDF: 27.0/28

Left In: -92.472+/-288.217 χ^2/NDF:14.7/22

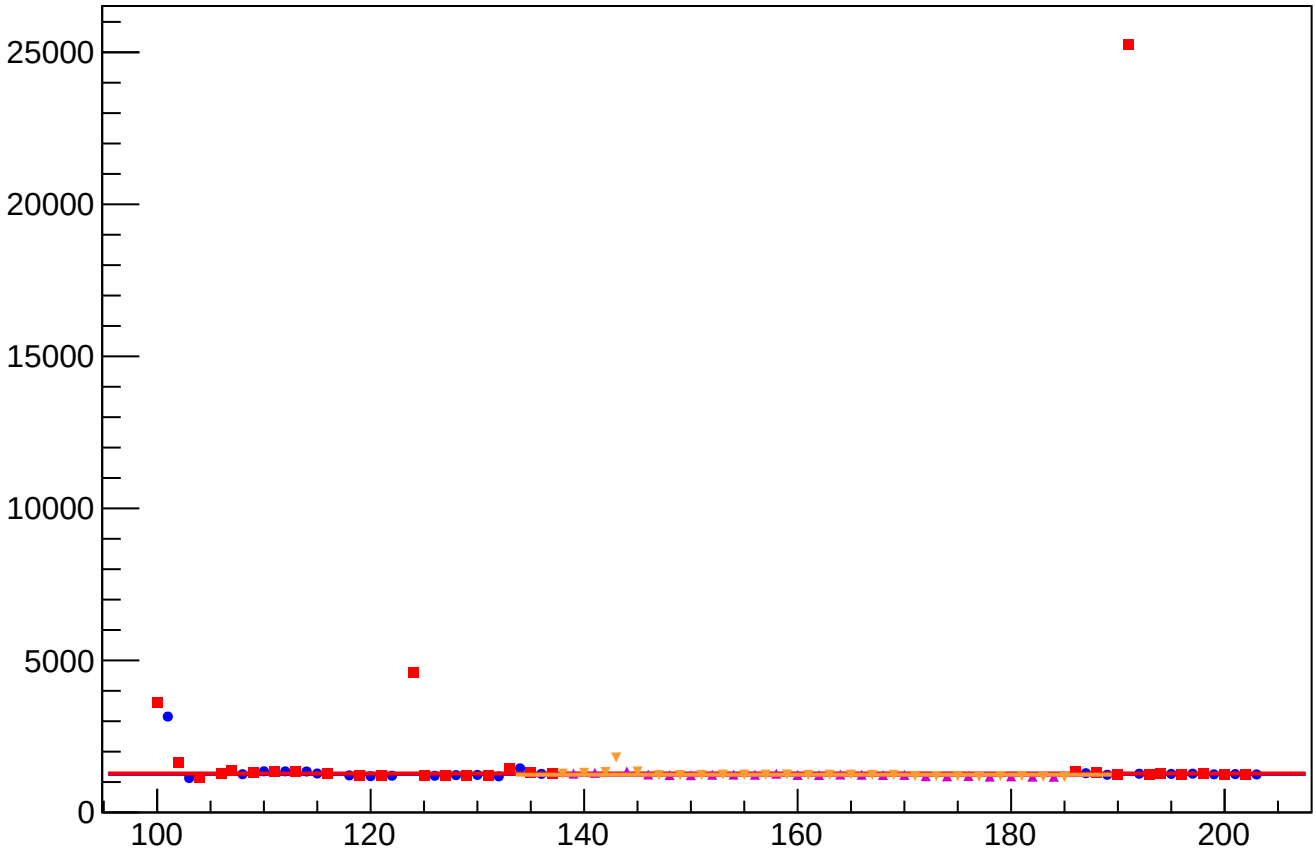
Left: -157.773+/-201.950 χ^2/NDF: 38.7/47

Right: -131.867+/-245.579 χ^2/NDF: 51.3/52

In: 97.391+/-223.078 χ^2/NDF:36.0/46

Out: -381.421+/-218.188 χ^2/NDF:51.7/53

All: -147.321+/-155.982 χ^2/NDF: 90.0/100



Right In: 1267.948+/-0.249 χ^2/NDF: 520875.8/23

Left Out: 1242.825+/-0.200 χ^2/NDF:203299.1/24

Right Out: 1279.913+/-0.242 χ^2/NDF: 477197.6/28

Left In: 1233.752+/-0.204 χ^2/NDF:39281.7/22

Left: 1238.371+/-0.143 χ^2/NDF: 243589.6/47

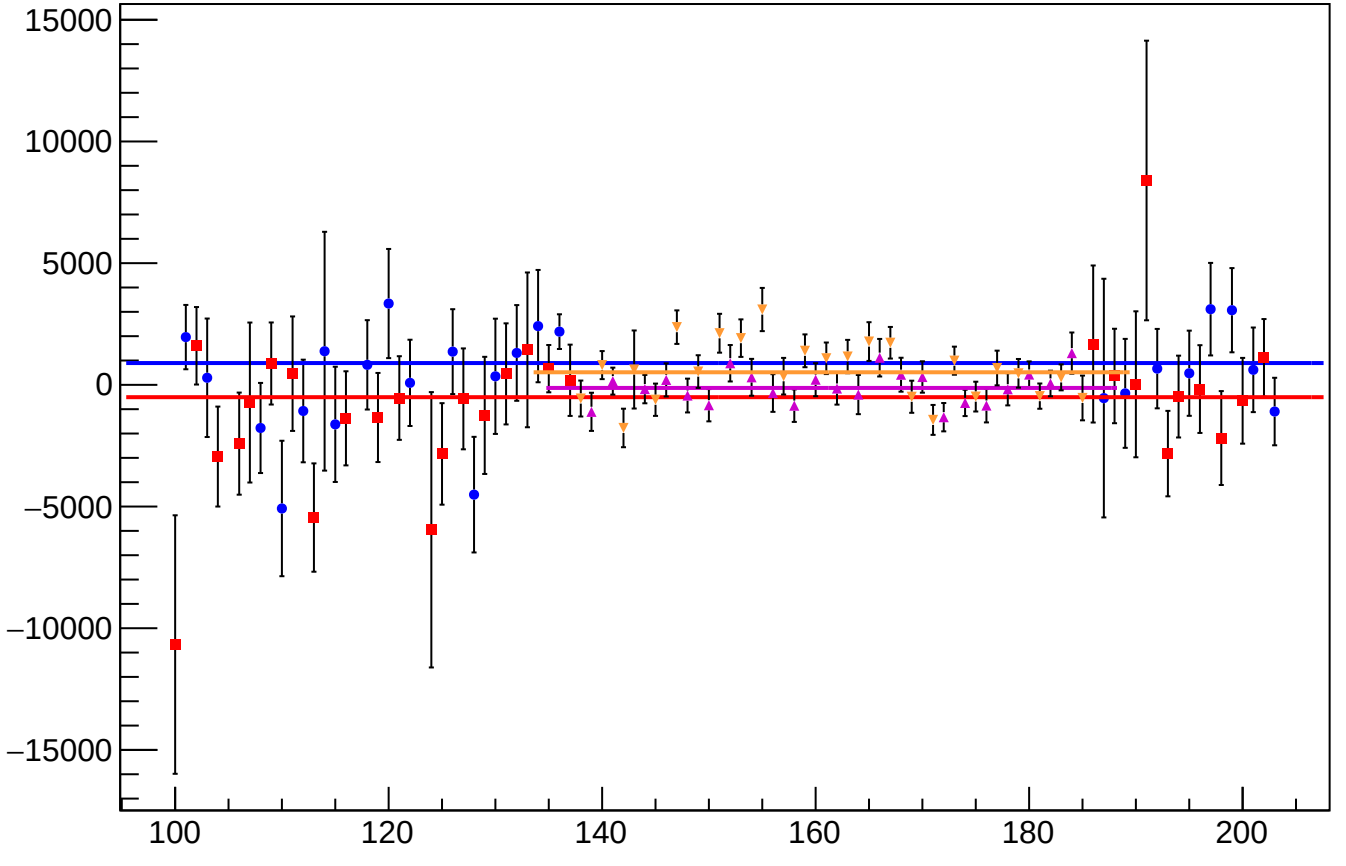
Right: 1274.100+/-0.174 χ^2/NDF: 999259.4/52

In: 1247.462+/-0.158 χ^2/NDF:571445.2/46

Out: 1257.876+/-0.154 χ^2/NDF:694431.6/53

All: 1252.785+/-0.110 χ^2/NDF: 1268104.3/10

asym_atl_dd_atr_dd_dd_cor_correction_mean vs Slug, Sign Corrected



Right In: 895.941+/-355.238 χ^2/NDF: 25.4/23

Left Out: 516.811+/-135.747 χ^2/NDF:67.0/24

Right Out: -506.492+/-362.258 χ^2/NDF: 25.1/28

Left In: -126.549+/-137.266 χ^2/NDF:21.6/22

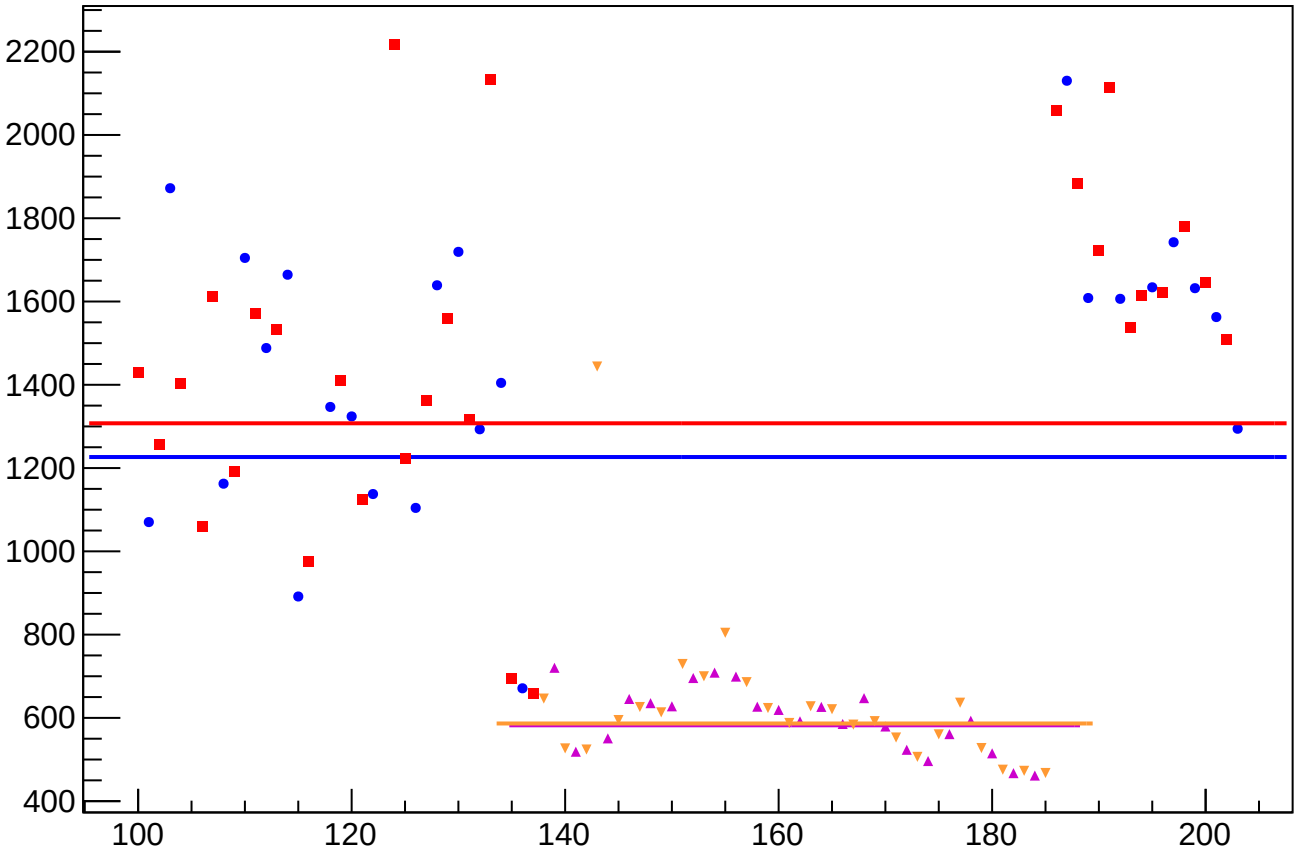
Left: 198.710+/-96.520 χ^2/NDF: 99.7/47

Right: 208.447+/-253.637 χ^2/NDF: 58.1/52

In: 6.285+/-128.039 χ^2/NDF:54.1/46

Out: 390.813+/-127.115 χ^2/NDF:99.1/53

All: 199.942+/-90.209 χ^2/NDF: 157.8/100



Right In: 1226.505+/-0.251 χ^2/NDF: 2399015.2/23

Left Out: 586.562+/-0.096 χ^2/NDF:1202822.0/24

Right Out: 1307.524+/-0.256 χ^2/NDF: 2347896.9/28

Left In: 582.189+/-0.097 χ^2/NDF:559258.0/22

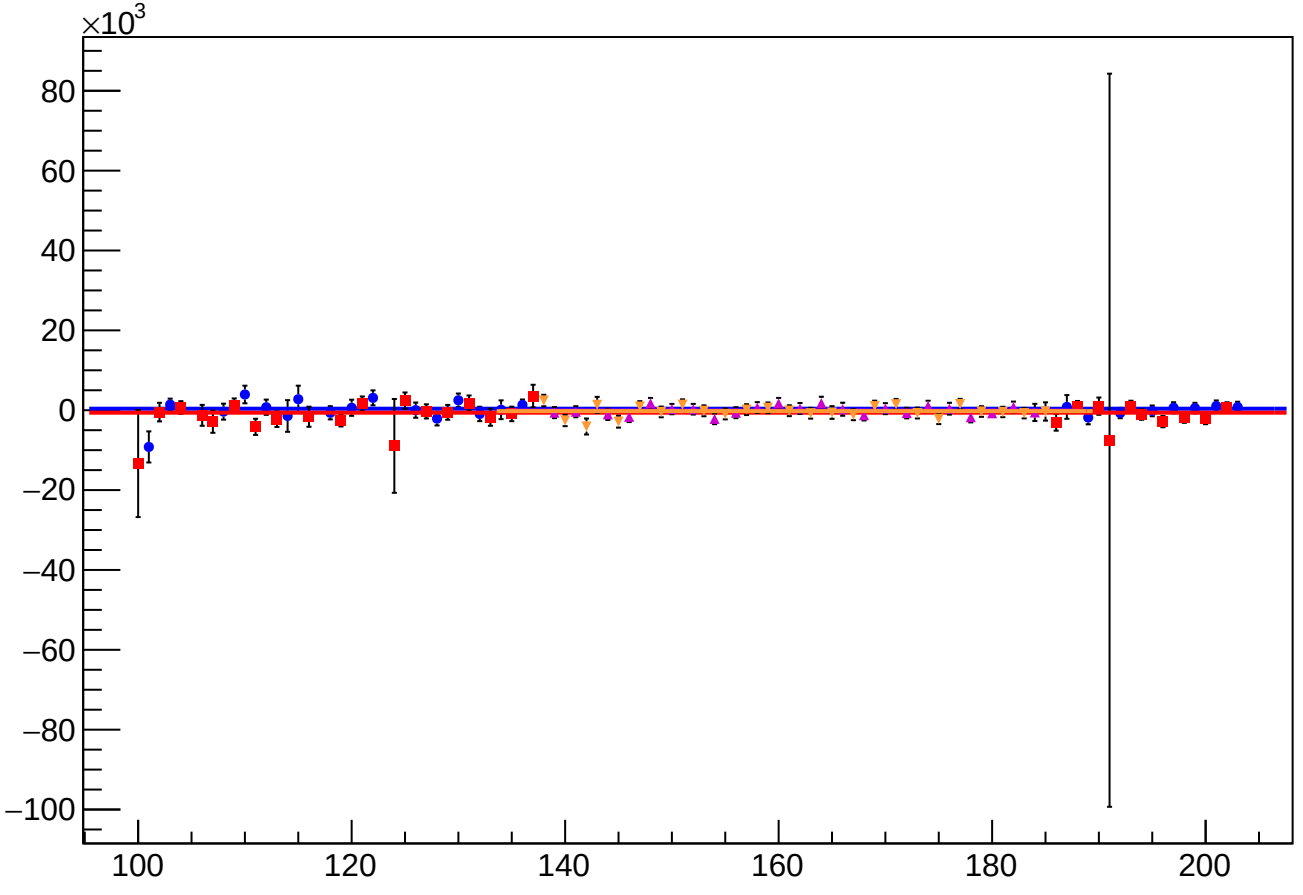
Left: 584.400+/-0.068 χ^2/NDF: 1763106.4/47

Right: 1266.222+/-0.179 χ^2/NDF: 4797910.2/52

In: 665.893+/-0.091 χ^2/NDF:8682981.0/46

Out: 675.333+/-0.090 χ^2/NDF:10497018.7/53

All: 670.647+/-0.064 χ^2/NDF: 19185474.6/10



Right In: 381.082+/-352.308 χ^2/NDF: 20.2/23

Left Out: -220.755+/-283.055 χ^2/NDF:23.9/24

Right Out: -616.661+/-342.503 χ^2/NDF: 27.0/28

Left In: -92.472+/-288.217 χ^2/NDF:14.7/22

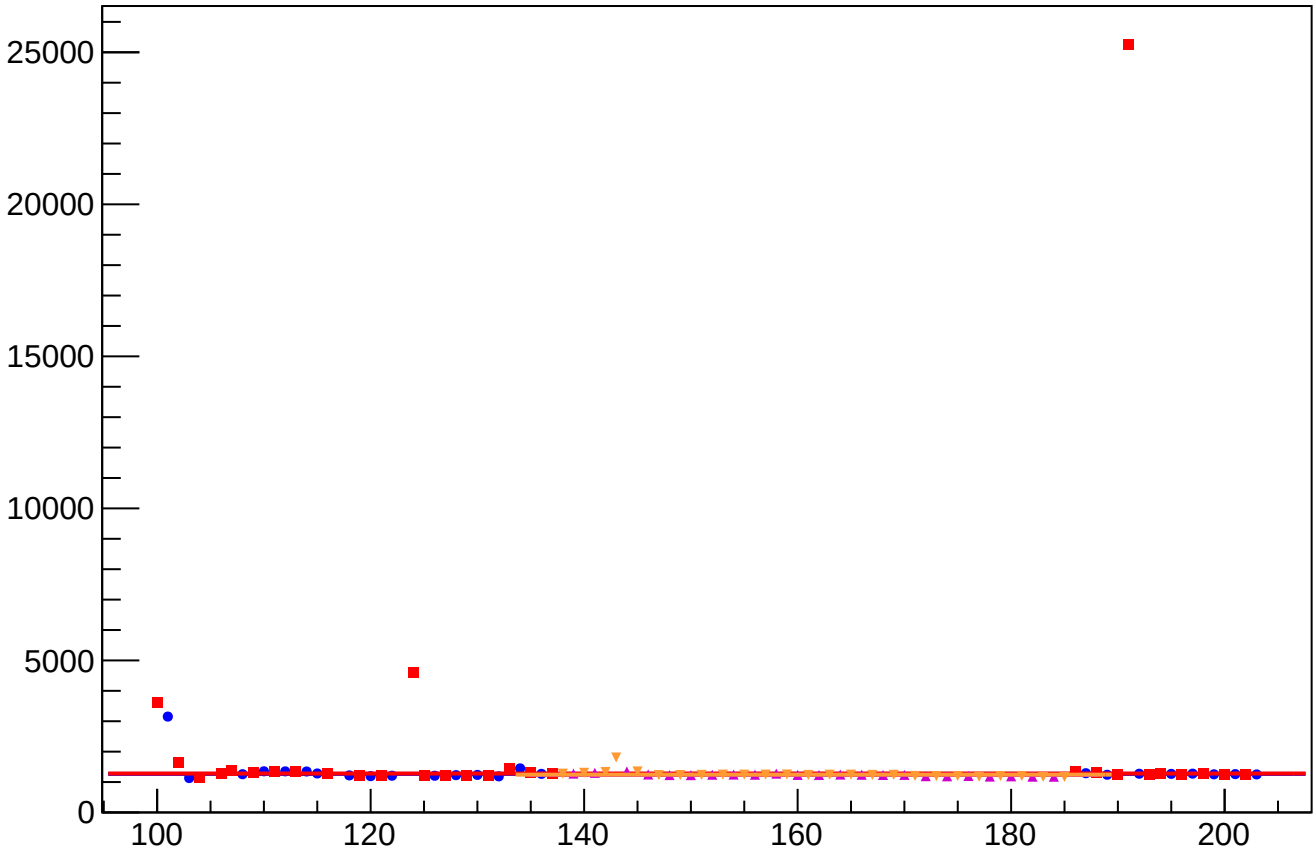
Left: -157.773+/-201.950 χ^2/NDF: 38.7/47

Right: -131.867+/-245.579 χ^2/NDF: 51.3/52

In: 97.391+/-223.078 χ^2/NDF:36.0/46

Out: -381.421+/-218.188 χ^2/NDF:51.7/53

All: -147.321+/-155.982 χ^2/NDF: 90.0/100



Right In: 1267.948+/-0.249 χ^2/NDF: 520875.8/23

Left Out: 1242.825+/-0.200 χ^2/NDF:203299.1/24

Right Out: 1279.913+/-0.242 χ^2/NDF: 477197.6/28

Left In: 1233.752+/-0.204 χ^2/NDF:39281.7/22

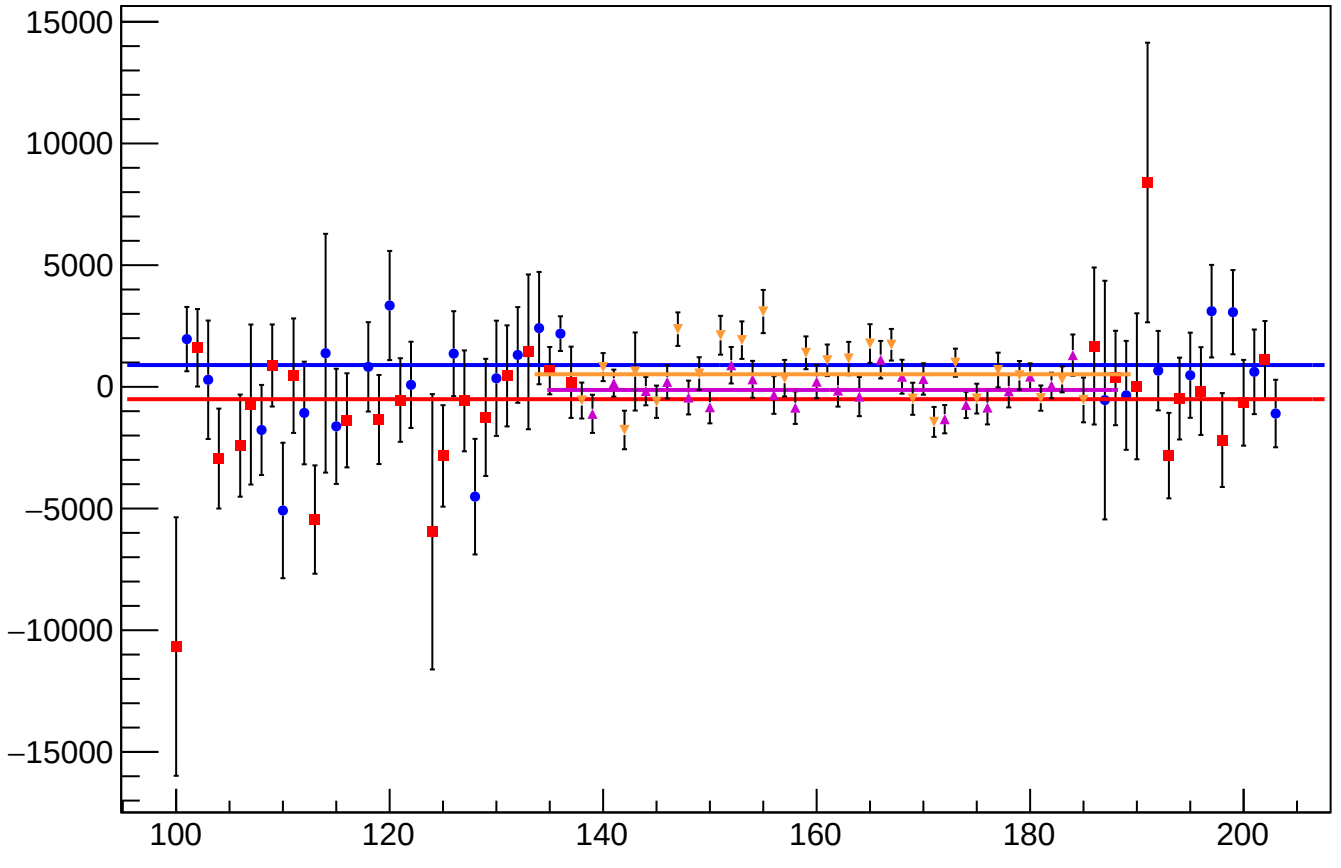
Left: 1238.371+/-0.143 χ^2/NDF: 243589.6/47

Right: 1274.100+/-0.174 χ^2/NDF: 999259.4/52

In: 1247.462+/-0.158 χ^2/NDF:571445.2/46

Out: 1257.876+/-0.154 χ^2/NDF:694431.6/53

All: 1252.785+/-0.110 χ^2/NDF: 1268104.3/10



Right In: 895.941+/-355.238 χ^2/NDF: 25.4/23

Left Out: 516.811+/-135.747 χ^2/NDF:67.0/24

Right Out: -506.492+/-362.258 χ^2/NDF: 25.1/28

Left In: -126.549+/-137.266 χ^2/NDF:21.6/22

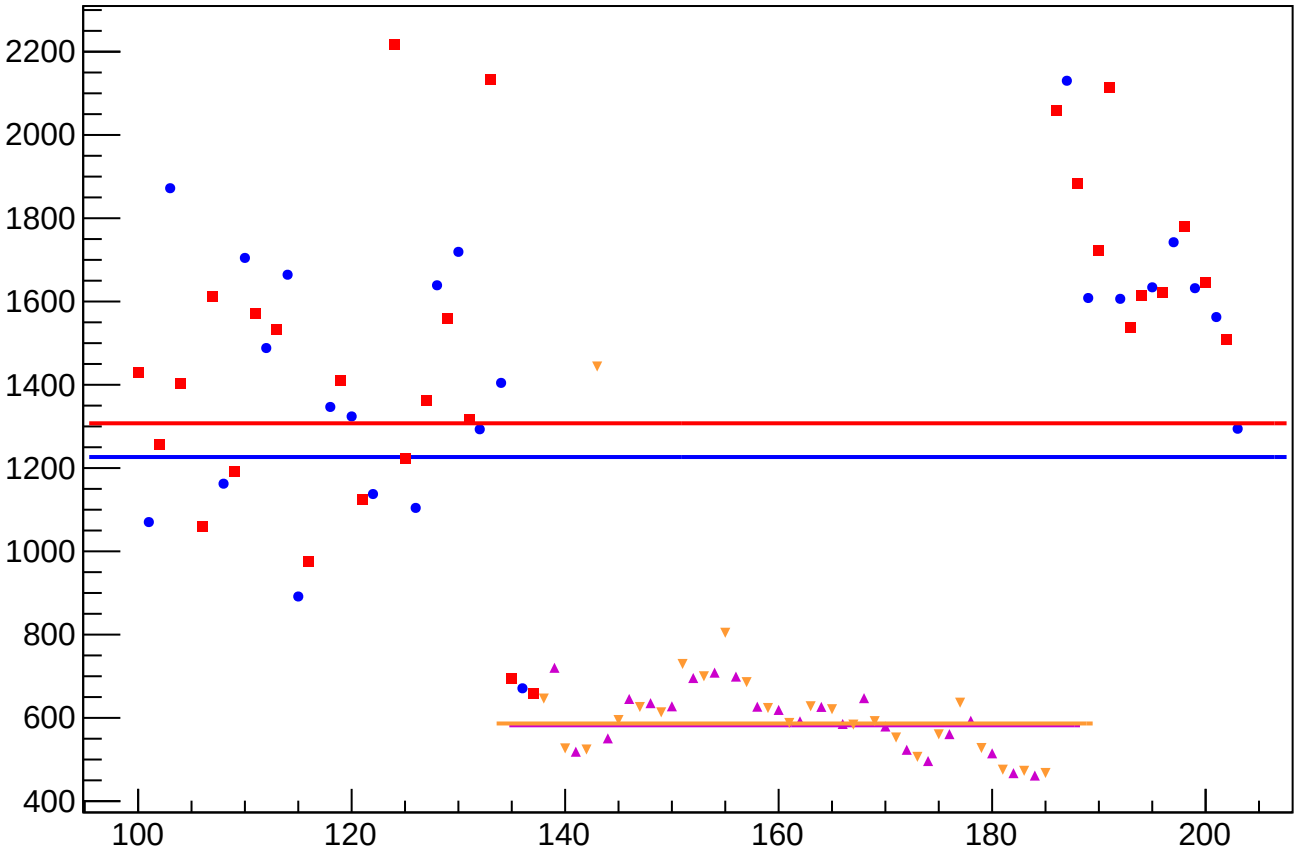
Left: 198.710+/-96.520 χ^2/NDF: 99.7/47

Right: 208.447+/-253.637 χ^2/NDF: 58.1/52

In: 6.285+/-128.039 χ^2/NDF:54.1/46

Out: 390.813+/-127.115 χ^2/NDF:99.1/53

All: 199.942+/-90.209 χ^2/NDF: 157.8/100



Right In: 1226.505+/-0.251 χ^2/NDF: 2399015.2/23

Left Out: 586.562+/-0.096 χ^2/NDF:1202822.0/24

Right Out: 1307.524+/-0.256 χ^2/NDF: 2347896.9/28

Left In: 582.189+/-0.097 χ^2/NDF:559258.0/22

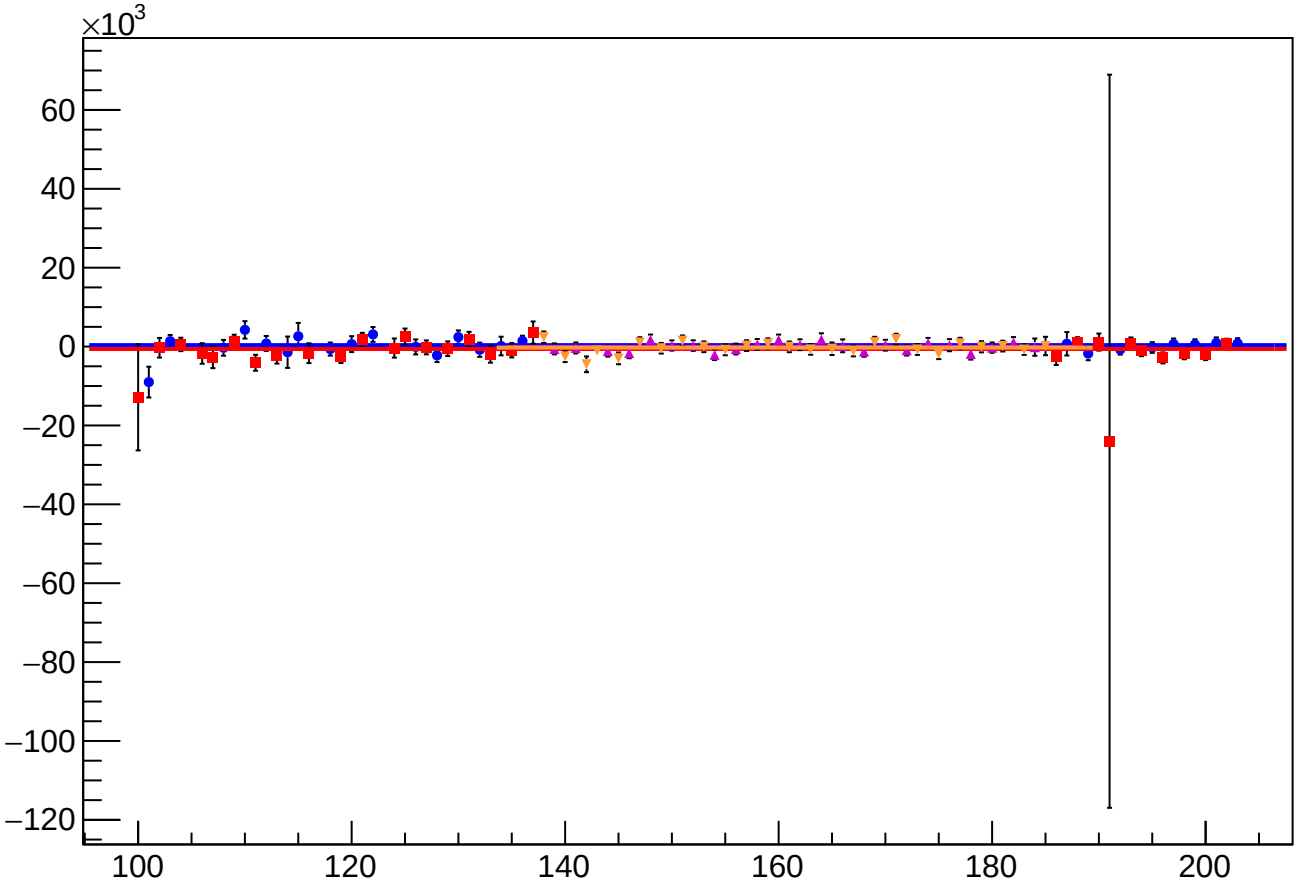
Left: 584.400+/-0.068 χ^2/NDF: 1763106.4/47

Right: 1266.222+/-0.179 χ^2/NDF: 4797910.2/52

In: 665.893+/-0.091 χ^2/NDF:8682981.0/46

Out: 675.333+/-0.090 χ^2/NDF:10497018.7/53

All: 670.647+/-0.064 χ^2/NDF: 19185474.6/10



Right In: 368.671+/-353.757 χ^2/NDF: 20.2/23

Left Out: -250.849+/-279.923 χ^2/NDF:24.0/24

Right Out: -607.818+/-341.280 χ^2/NDF: 26.5/28

Left In: -74.881+/-291.458 χ^2/NDF:14.0/22

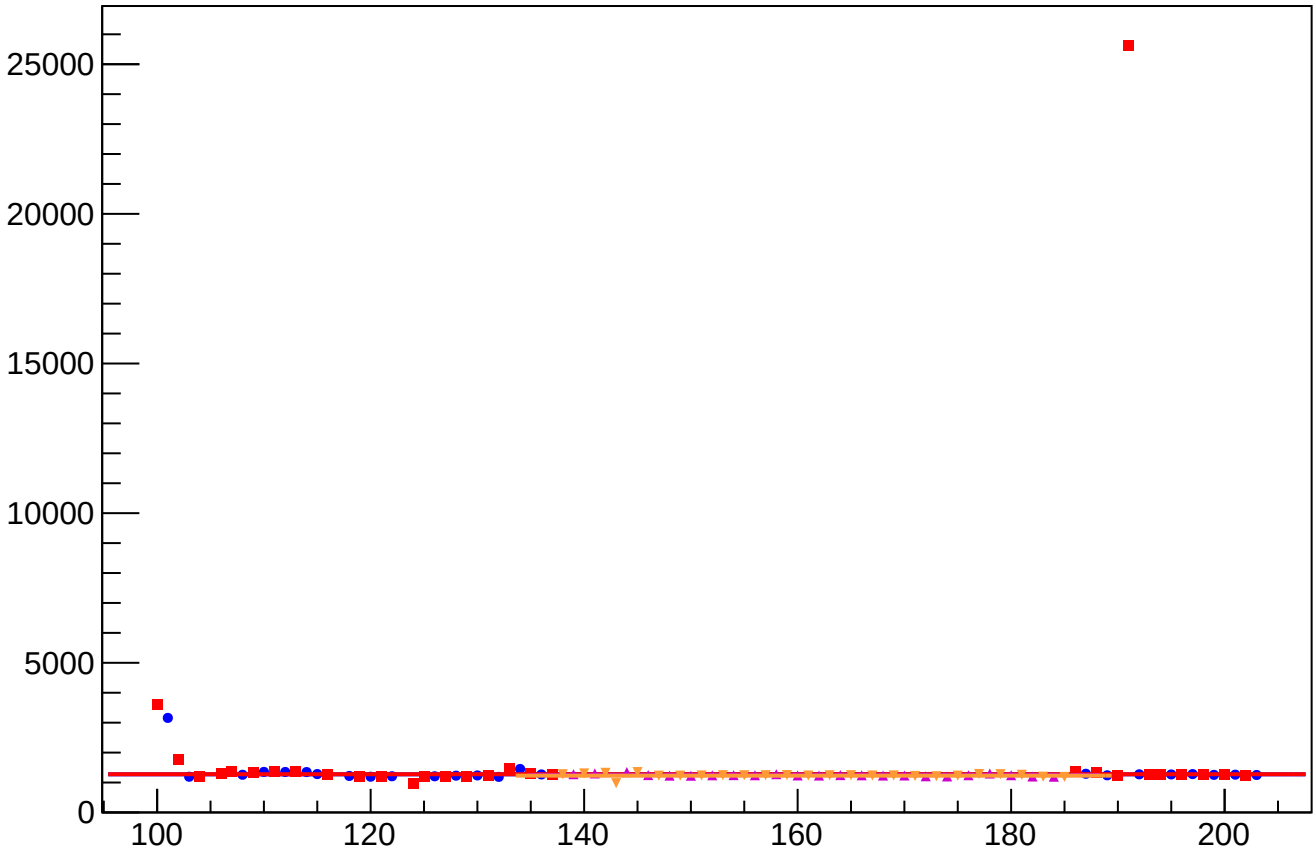
Left: -166.416+/-201.890 χ^2/NDF: 38.2/47

Right: -137.098+/-245.614 χ^2/NDF: 50.6/52

In: 104.463+/-224.945 χ^2/NDF:35.1/46

Out: -394.416+/-216.432 χ^2/NDF:51.2/53

All: -154.595+/-155.963 χ^2/NDF: 88.8/100



Right In: 1273.420+/-0.250 χ^2/NDF: 509496.4/23

Left Out: 1229.986+/-0.198 χ^2/NDF:141607.5/24

Right Out: 1277.552+/-0.241 χ^2/NDF: 369925.3/28

Left In: 1247.785+/-0.206 χ^2/NDF:27340.8/22

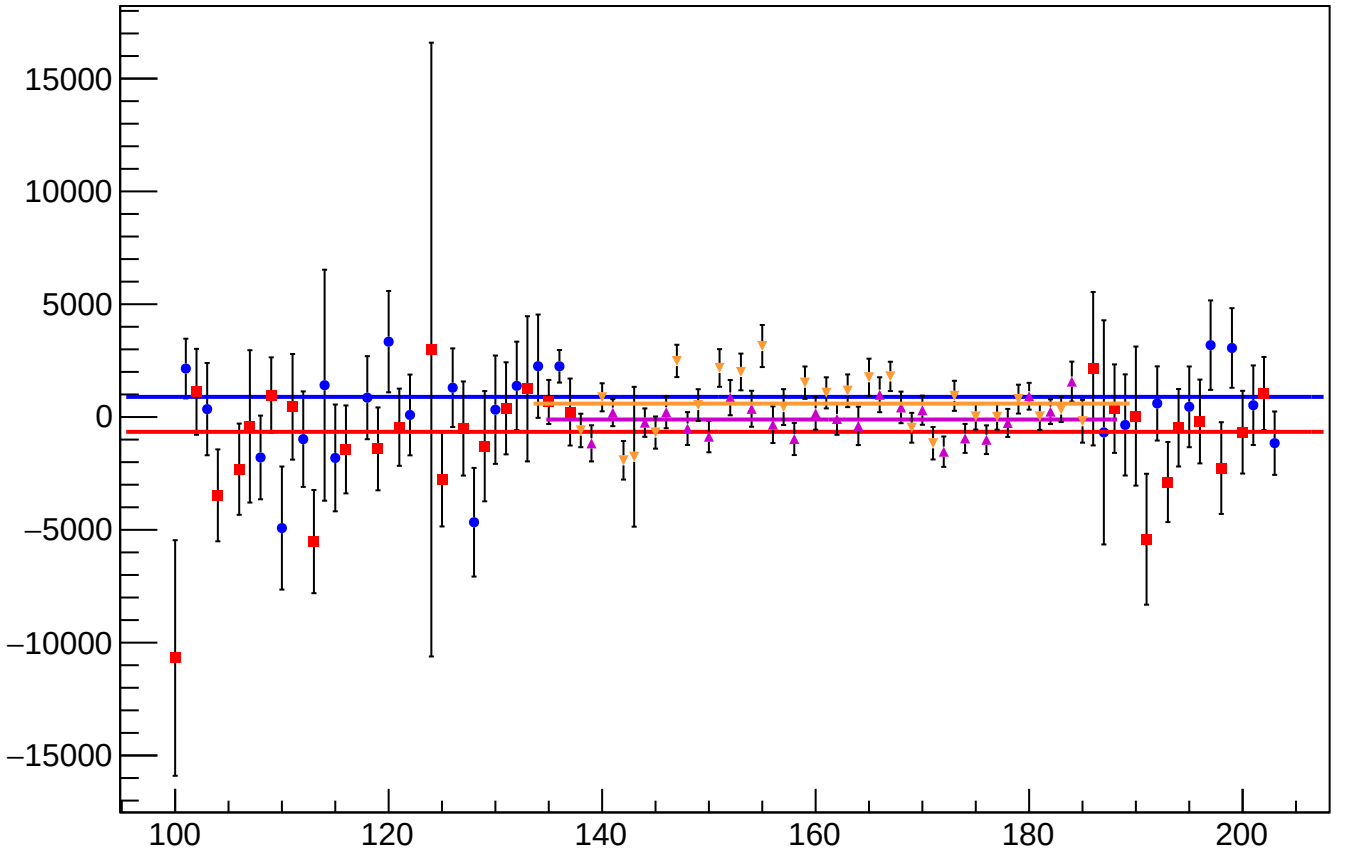
Left: 1238.526+/-0.143 χ^2/NDF: 172828.2/47

Right: 1275.560+/-0.174 χ^2/NDF: 879563.0/52

In: 1258.150+/-0.159 χ^2/NDF:543093.2/46

Out: 1249.116+/-0.153 χ^2/NDF:534758.5/53

All: 1253.459+/-0.110 χ^2/NDF: 1079526.8/10



Right In: 893.134+/-356.751 χ^2/NDF: 26.0/23

Left Out: 595.000+/-142.130 χ^2/NDF:57.3/24

Right Out: -656.432+/-366.987 χ^2/NDF: 24.2/28

Left In: -110.252+/-144.232 χ^2/NDF:25.7/22

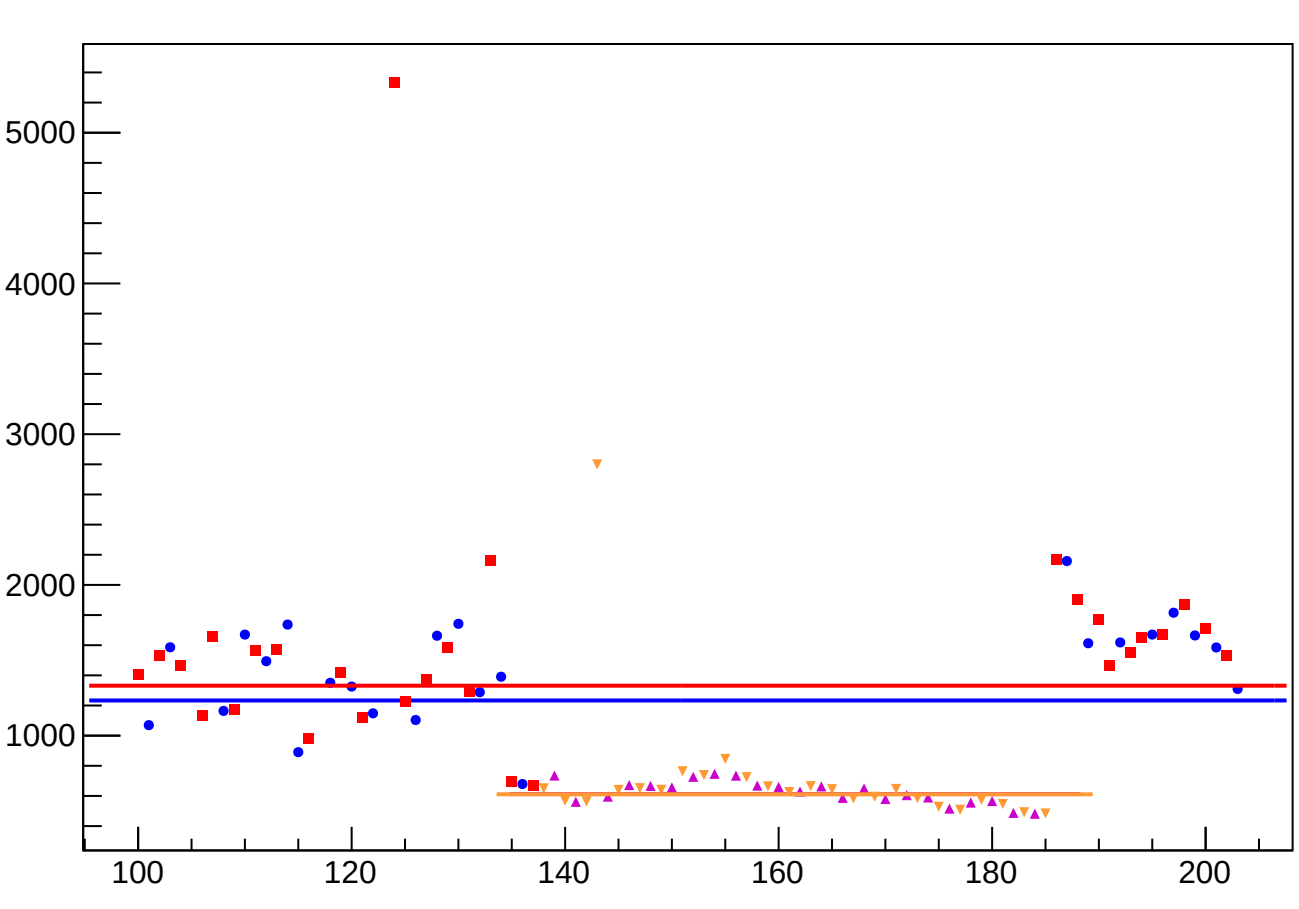
Left: 247.550+/-101.236 χ^2/NDF: 95.2/47

Right: 140.264+/-255.803 χ^2/NDF: 59.4/52

In: 30.714+/-133.717 χ^2/NDF:58.5/46

Out: 431.776+/-132.538 χ^2/NDF:91.6/53

All: 233.022+/-94.133 χ^2/NDF: 154.7/100



Right In: 1233.456+/-0.252 χ^2/NDF: 2342203.4/23

Left Out: 611.087+/-0.101 χ^2/NDF:1619322.3/24

Right Out: 1331.392+/-0.259 χ^2/NDF: 2561643.1/28

Left In: 612.399+/-0.102 χ^2/NDF:508595.4/22

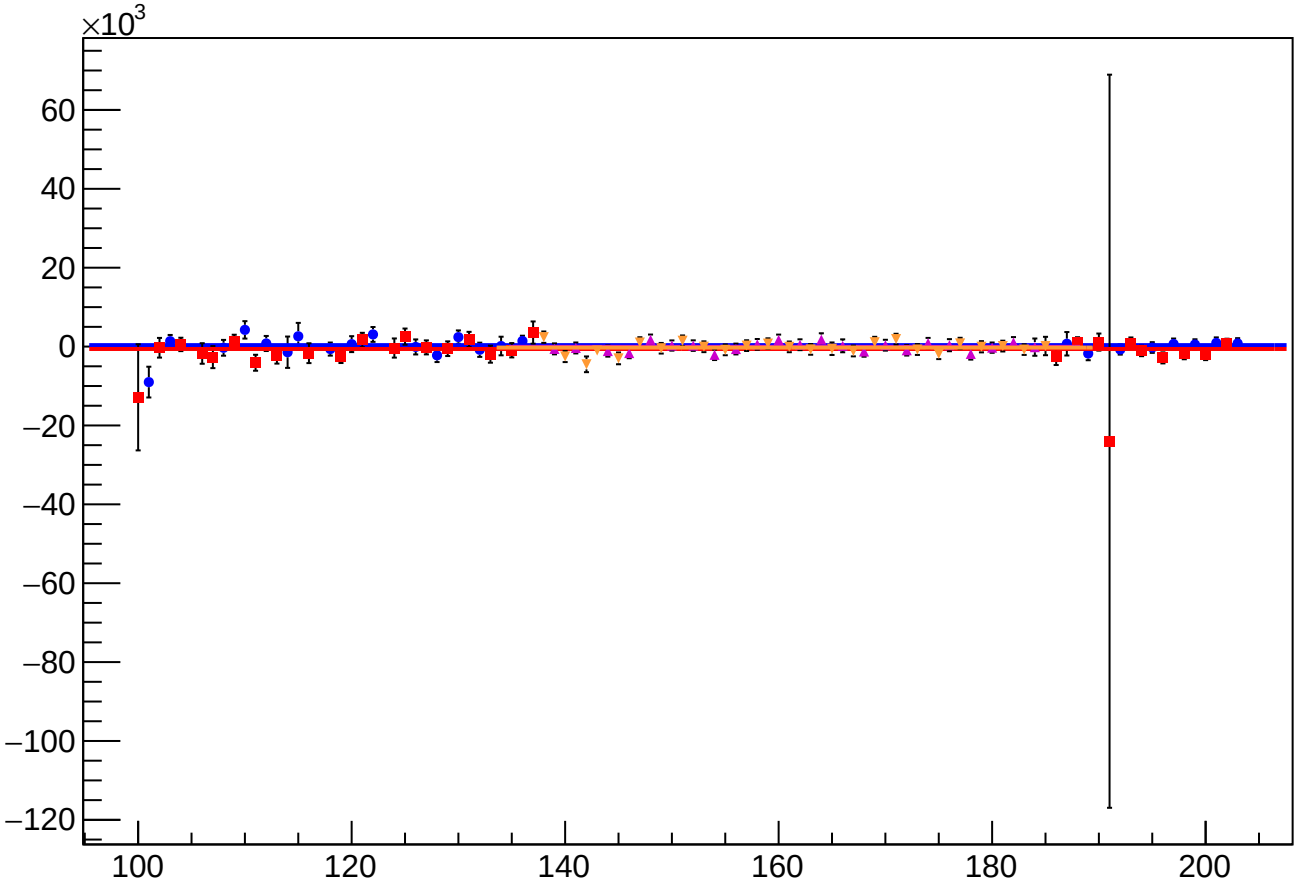
Left: 611.733+/-0.072 χ^2/NDF: 2128001.7/47

Right: 1281.039+/-0.181 χ^2/NDF: 4977077.1/52

In: 699.651+/-0.095 χ^2/NDF:8060522.2/46

Out: 705.036+/-0.094 χ^2/NDF:10880829.2/53

All: 702.368+/-0.067 χ^2/NDF: 18942987.2/10



Right In: 368.673+/-353.757 χ^2/NDF: 20.2/23

Left Out: -250.851+/-279.923 χ^2/NDF:24.0/24

Right Out: -607.819+/-341.280 χ^2/NDF: 26.5/28

Left In: -74.881+/-291.458 χ^2/NDF:14.0/22

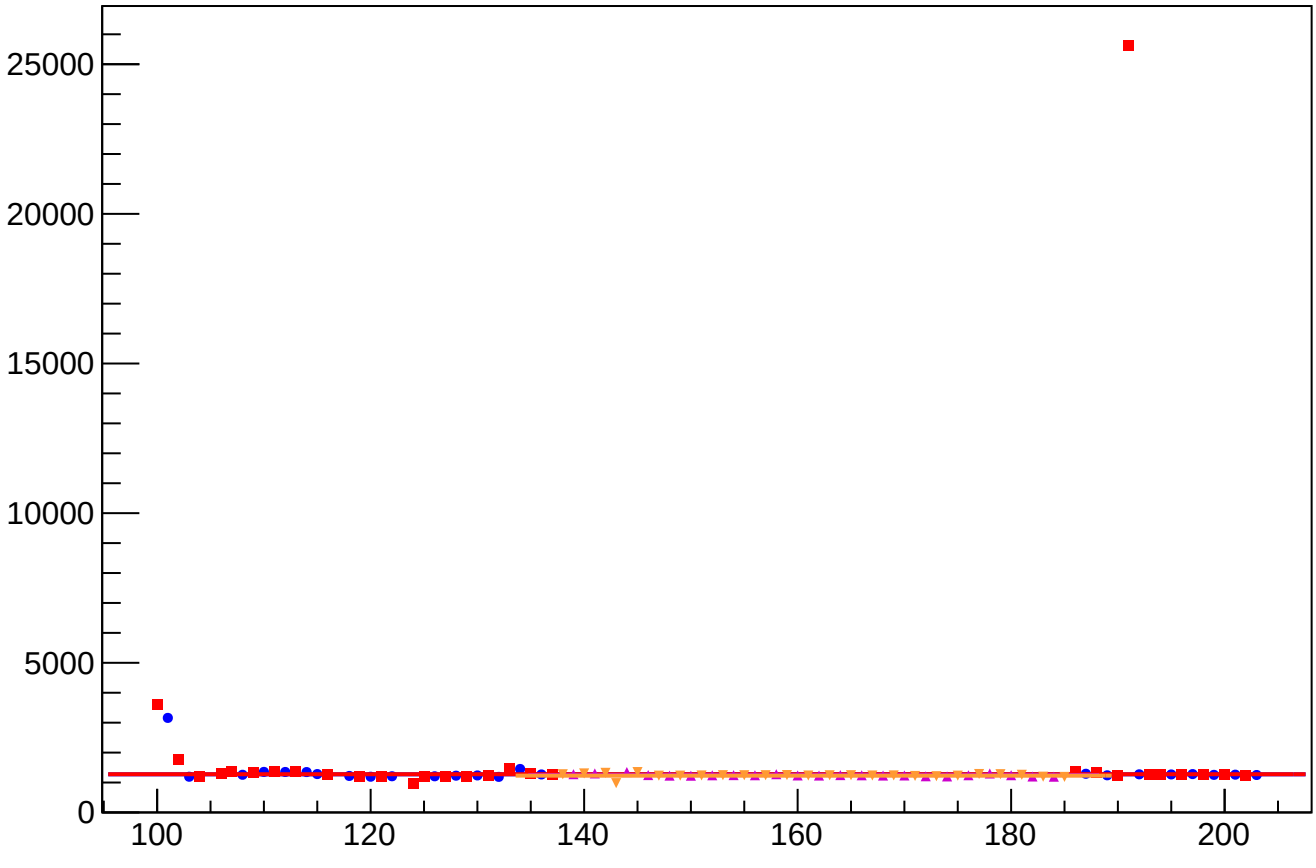
Left: -166.417+/-201.890 χ^2/NDF: 38.2/47

Right: -137.098+/-245.614 χ^2/NDF: 50.6/52

In: 104.464+/-224.945 χ^2/NDF:35.1/46

Out: -394.417+/-216.432 χ^2/NDF:51.2/53

All: -154.595+/-155.963 χ^2/NDF: 88.8/100



Right In: 1273.420+/-0.250 χ^2/NDF: 509496.5/23

Left Out: 1229.986+/-0.198 χ^2/NDF:141606.6/24

Right Out: 1277.552+/-0.241 χ^2/NDF: 369925.2/28

Left In: 1247.785+/-0.206 χ^2/NDF:27340.7/22

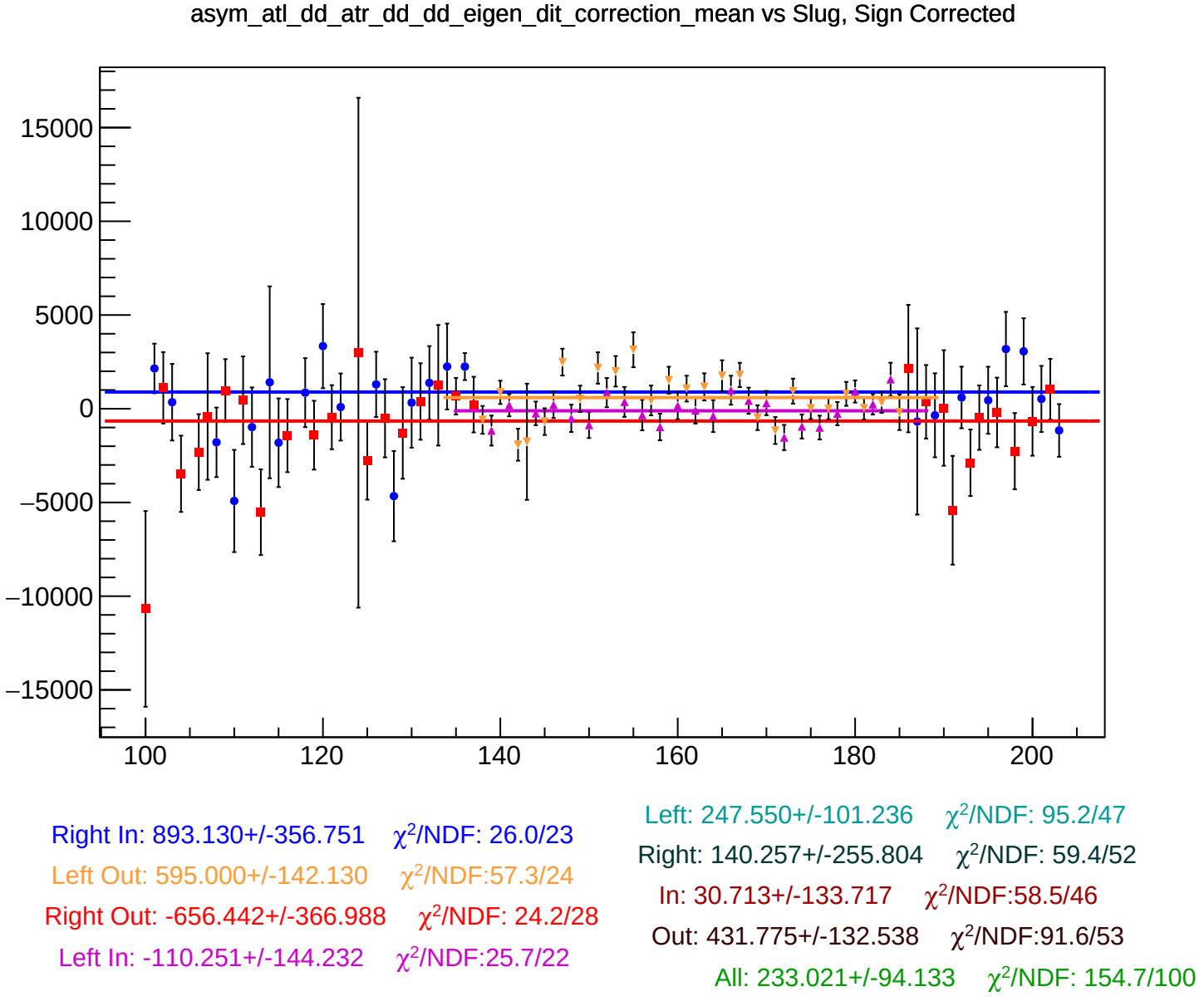
Left: 1238.526+/-0.143 χ^2/NDF: 172827.1/47

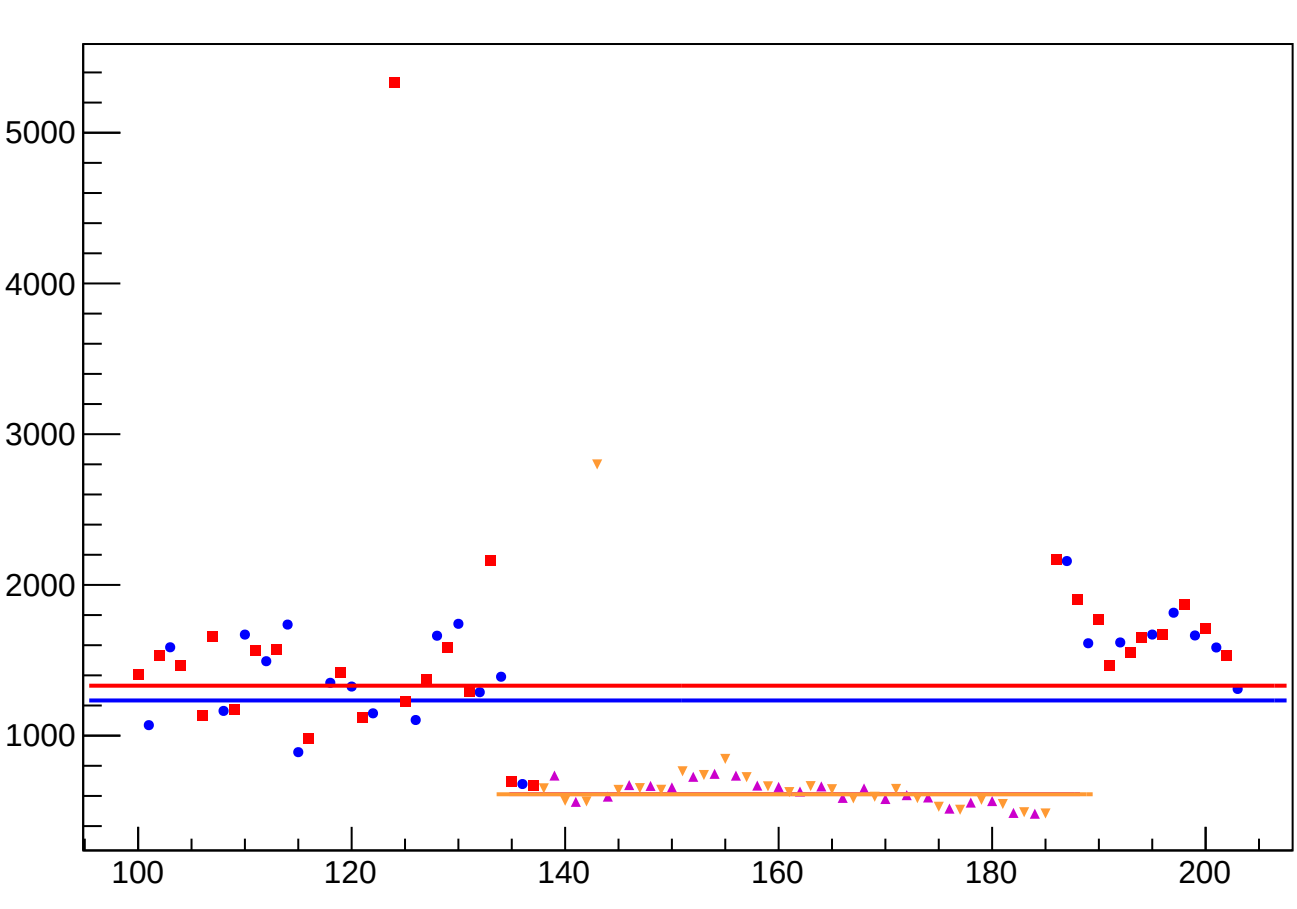
Right: 1275.560+/-0.174 χ^2/NDF: 879563.0/52

In: 1258.150+/-0.159 χ^2/NDF:543093.2/46

Out: 1249.116+/-0.153 χ^2/NDF:534757.5/53

All: 1253.459+/-0.110 χ^2/NDF: 1079525.8/10


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: 893.130+/-356.751 χ²/NDF: 26.0/23
Left Out: 595.000+/-142.130 χ²/NDF:57.3/24
Right Out: -656.442+/-366.988 χ²/NDF: 24.2/28
Left In: -110.251+/-144.232 χ²/NDF:25.7/22
Left: 247.550+/-101.236 χ²/NDF: 95.2/47
Right: 140.257+/-255.804 χ²/NDF: 59.4/52
In: 30.713+/-133.717 χ²/NDF:58.5/46
Out: 431.775+/-132.538 χ²/NDF:91.6/53
All: 233.021+/-94.133 χ²/NDF: 154.7/100



Right In: 1233.461+/-0.252 χ^2/NDF: 2342123.7/23

Left Out: 611.086+/-0.101 χ^2/NDF:1619319.5/24

Right Out: 1331.398+/-0.259 χ^2/NDF: 2561563.7/28

Left In: 612.398+/-0.102 χ^2/NDF:508597.7/22

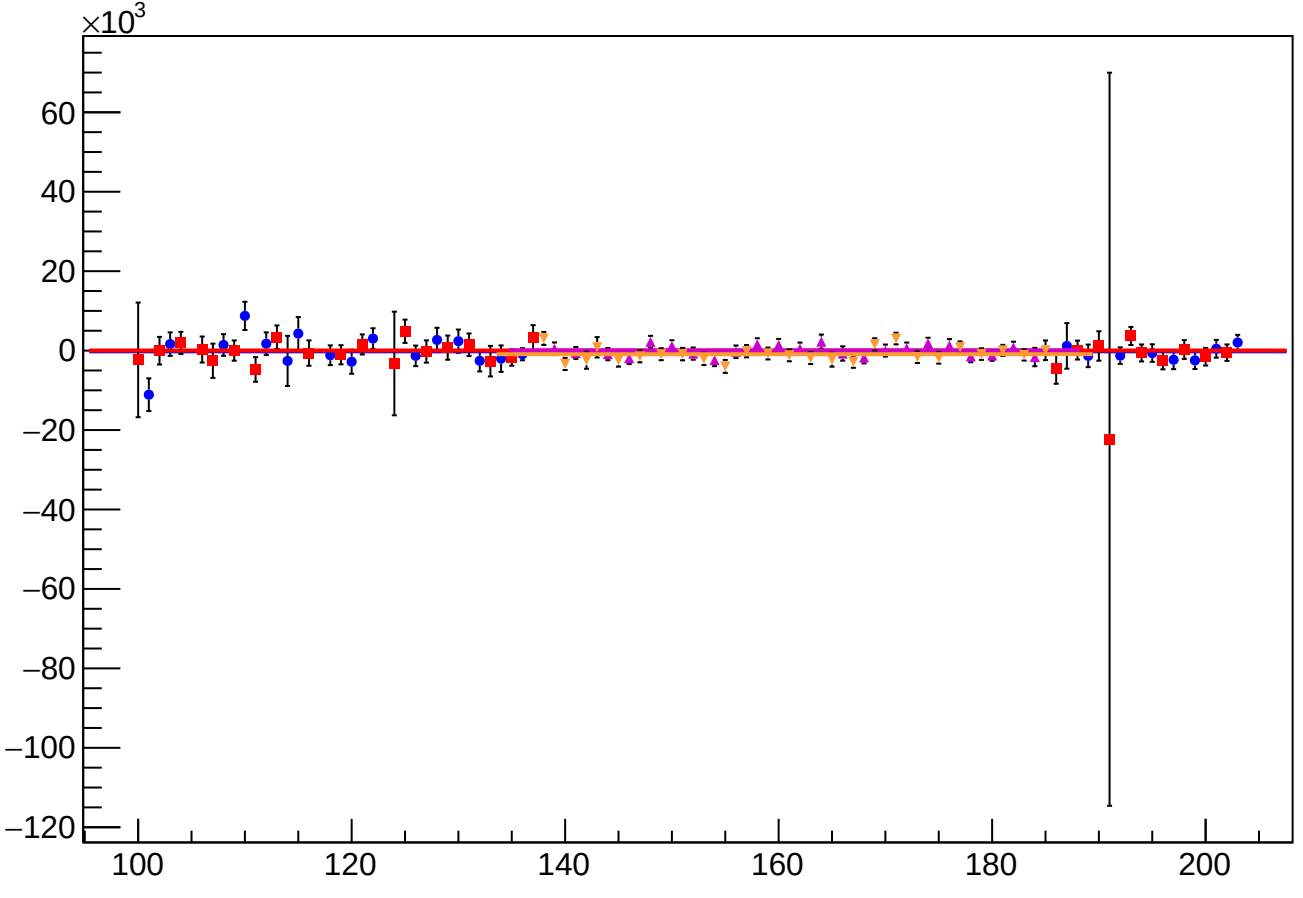
Left: 611.733+/-0.072 χ^2/NDF: 2128001.1/47

Right: 1281.044+/-0.181 χ^2/NDF: 4976918.5/52

In: 699.651+/-0.095 χ^2/NDF:8060522.9/46

Out: 705.036+/-0.094 χ^2/NDF:10880828.0/53

All: 702.367+/-0.067 χ^2/NDF: 18942987.0/10



Right In: -180.572+/-535.214 χ^2/NDF: 25.3/23

Left Out: -899.894+/-316.449 χ^2/NDF:29.8/24

Right Out: 24.195+/-528.888 χ^2/NDF: 16.4/28

Left In: 48.178+/-320.929 χ^2/NDF:17.9/22

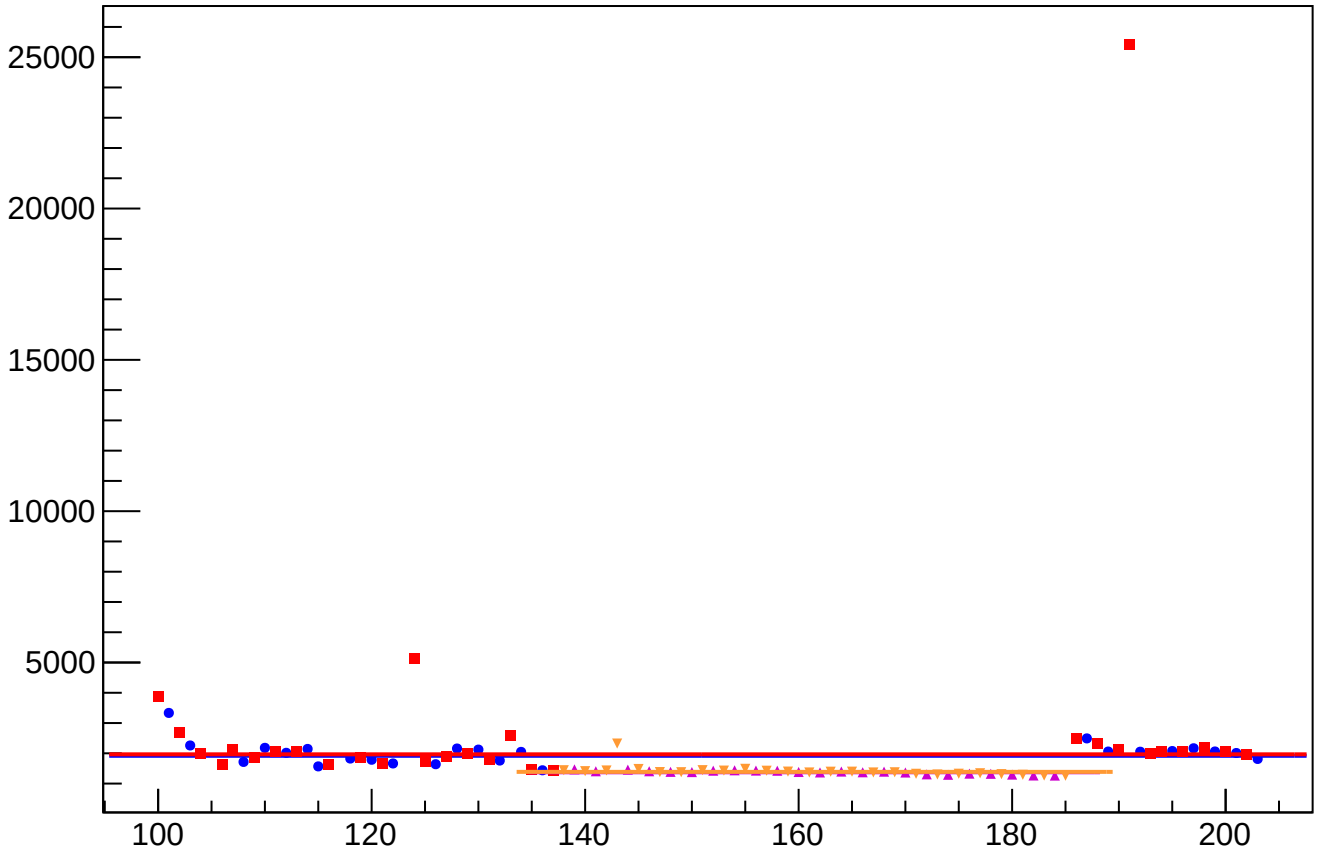
Left: -432.522+/-225.330 χ^2/NDF: 52.1/47

Right: -76.971+/-376.197 χ^2/NDF: 41.7/52

In: -12.319+/-275.239 χ^2/NDF:43.3/46

Out: -656.284+/-271.553 χ^2/NDF:48.4/53

All: -338.643+/-193.307 χ^2/NDF: 94.5/100



Right In: 1918.364+/-0.378 χ^2/NDF: 665286.0/23

Left Out: 1386.845+/-0.224 χ^2/NDF:339794.5/24

Right Out: 1966.264+/-0.374 χ^2/NDF: 814351.7/28

Left In: 1373.217+/-0.227 χ^2/NDF:64467.6/22

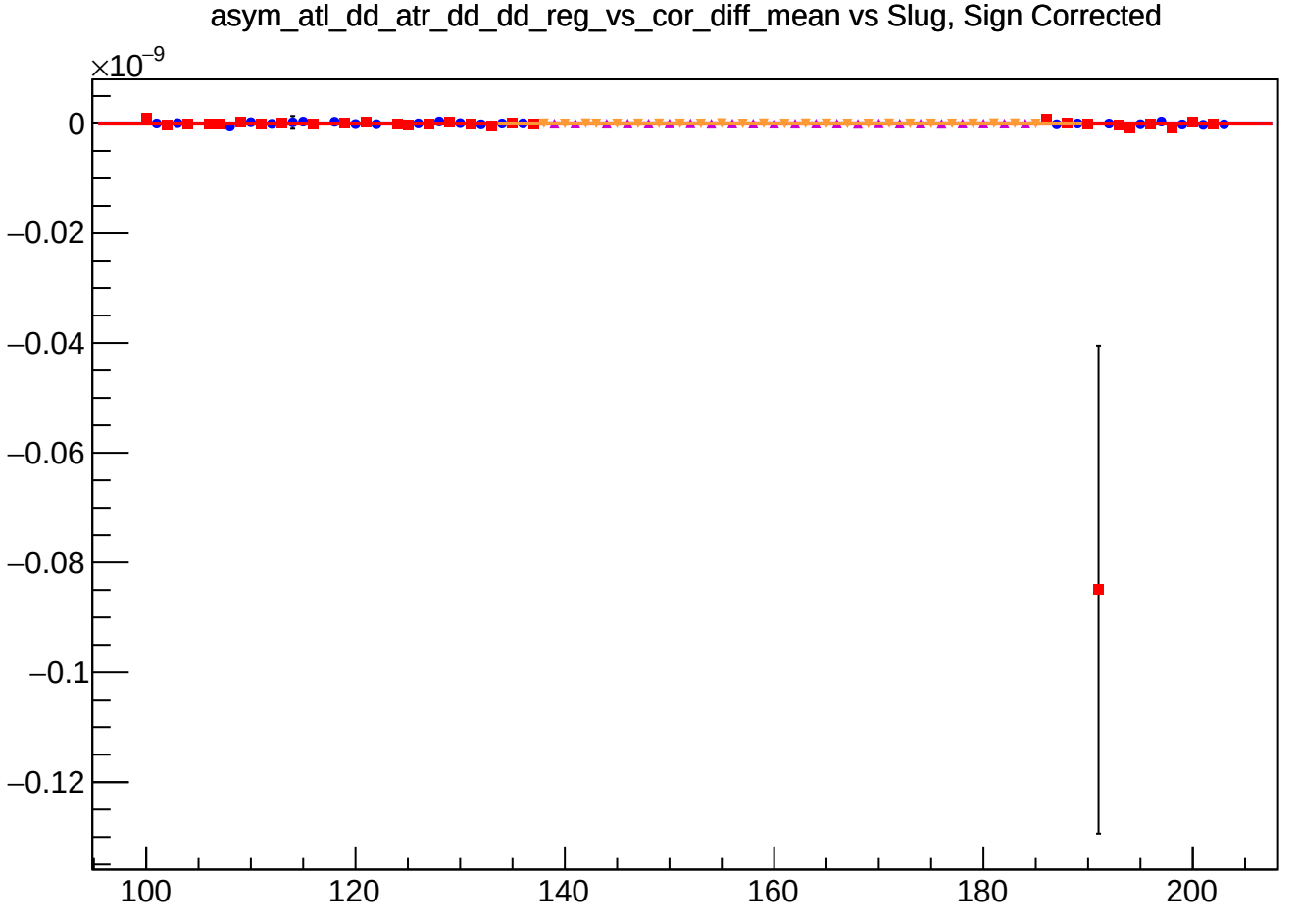
Left: 1380.126+/-0.159 χ^2/NDF: 406090.7/47

Right: 1942.599+/-0.266 χ^2/NDF: 1487742.9/52

In: 1517.389+/-0.195 χ^2/NDF:2255941.3/46

Out: 1539.594+/-0.192 χ^2/NDF:2921792.0/53

All: 1528.641+/-0.137 χ^2/NDF: 5184329.7/10



Right In: 0.000+/-0.000 χ^2/NDF: 21.6/23

Left Out: 0.000+/-0.000 χ^2/NDF:24.8/24

Right Out: -0.000+/-0.000 χ^2/NDF: 43.3/28

Left In: 0.000+/-0.000 χ^2/NDF:13.5/22

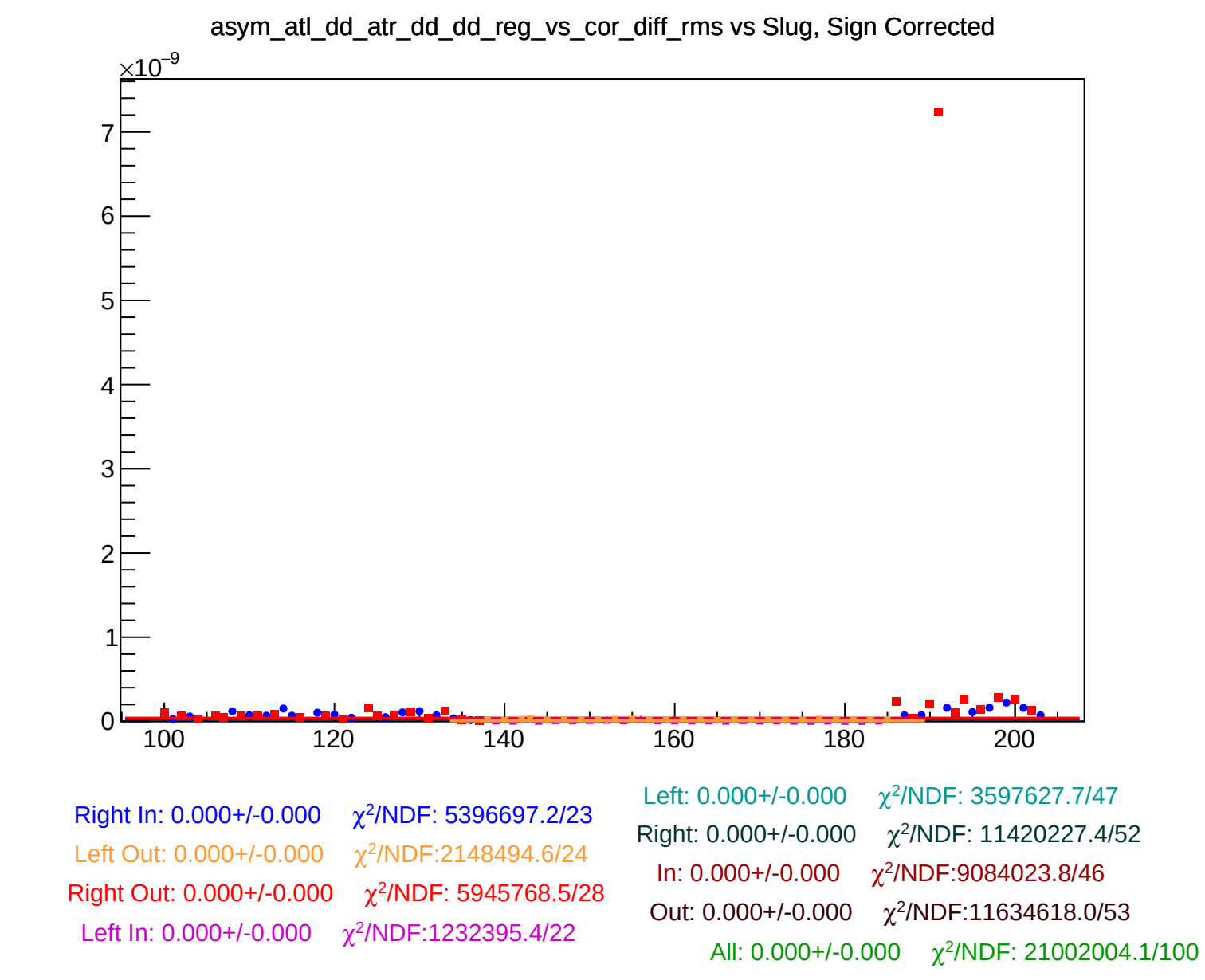
Left: 0.000+/-0.000 χ^2/NDF: 38.4/47

Right: -0.000+/-0.000 χ^2/NDF: 66.7/52

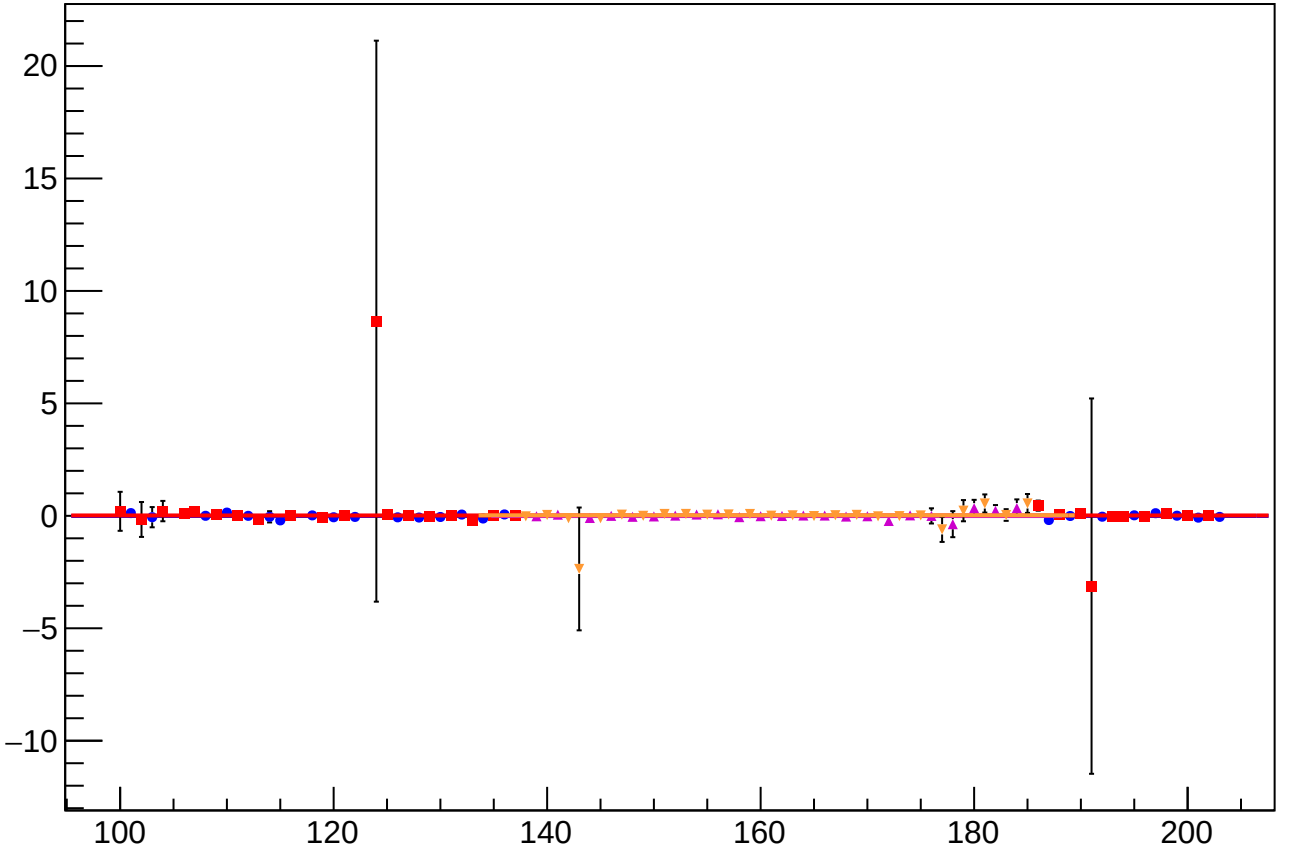
In: 0.000+/-0.000 χ^2/NDF:35.5/46

Out: 0.000+/-0.000 χ^2/NDF:69.7/53

All: 0.000+/-0.000 χ^2/NDF: 105.2/100


asym_atl_dd_atr_dd_dd_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: 5396697.2/23
Left Out: 0.000+/-0.000 χ²/NDF:2148494.6/24
Right Out: 0.000+/-0.000 χ²/NDF: 5945768.5/28
Left In: 0.000+/-0.000 χ²/NDF:1232395.4/22
Left: 0.000+/-0.000 χ²/NDF: 3597627.7/47
Right: 0.000+/-0.000 χ²/NDF: 11420227.4/52
In: 0.000+/-0.000 χ²/NDF:9084023.8/46
Out: 0.000+/-0.000 χ²/NDF:11634618.0/53
All: 0.000+/-0.000 χ²/NDF: 21002004.1/100

asym_atl_dd_atr_dd_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.006+/-0.012 χ^2/NDF: 27.9/23

Left Out: 0.023+/-0.010 χ^2/NDF:22.8/24

Right Out: 0.016+/-0.013 χ^2/NDF: 21.5/28

Left In: -0.010+/-0.010 χ^2/NDF:14.8/22

Left: 0.006+/-0.007 χ^2/NDF: 43.0/47

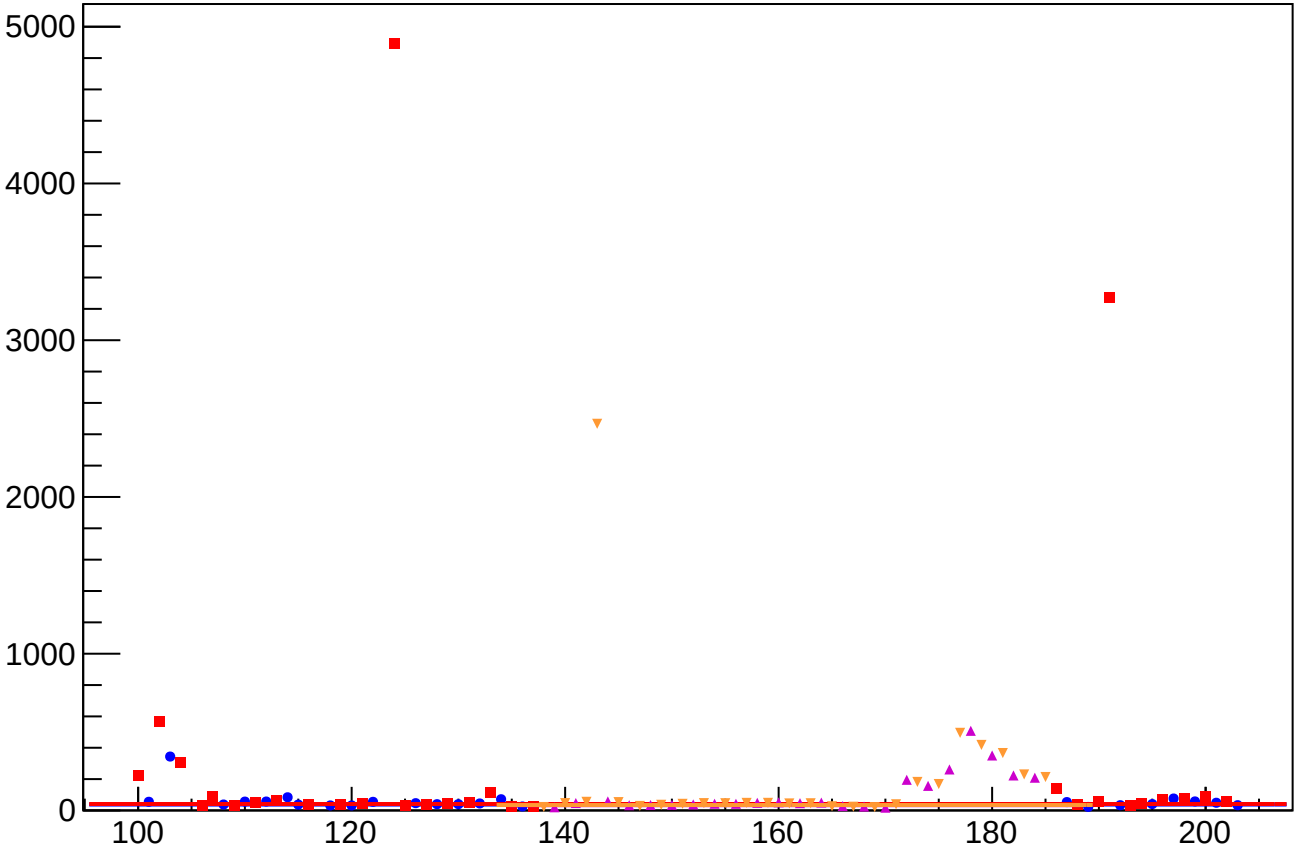
Right: 0.004+/-0.009 χ^2/NDF: 50.9/52

In: -0.008+/-0.008 χ^2/NDF:42.8/46

Out: 0.021+/-0.008 χ^2/NDF:44.5/53

All: 0.006+/-0.006 χ^2/NDF: 93.9/100

asym_atl_dd_atr_dd_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 37.724+/-0.008 χ^2/NDF: 2984504.0/23

Left Out: 34.624+/-0.007 χ^2/NDF:11402451.4/24

Right Out: 41.140+/-0.009 χ^2/NDF: 5373098.8/28

Left In: 33.592+/-0.007 χ^2/NDF:10067466.4/22

Left: 34.094+/-0.005 χ^2/NDF: 21480396.5/47

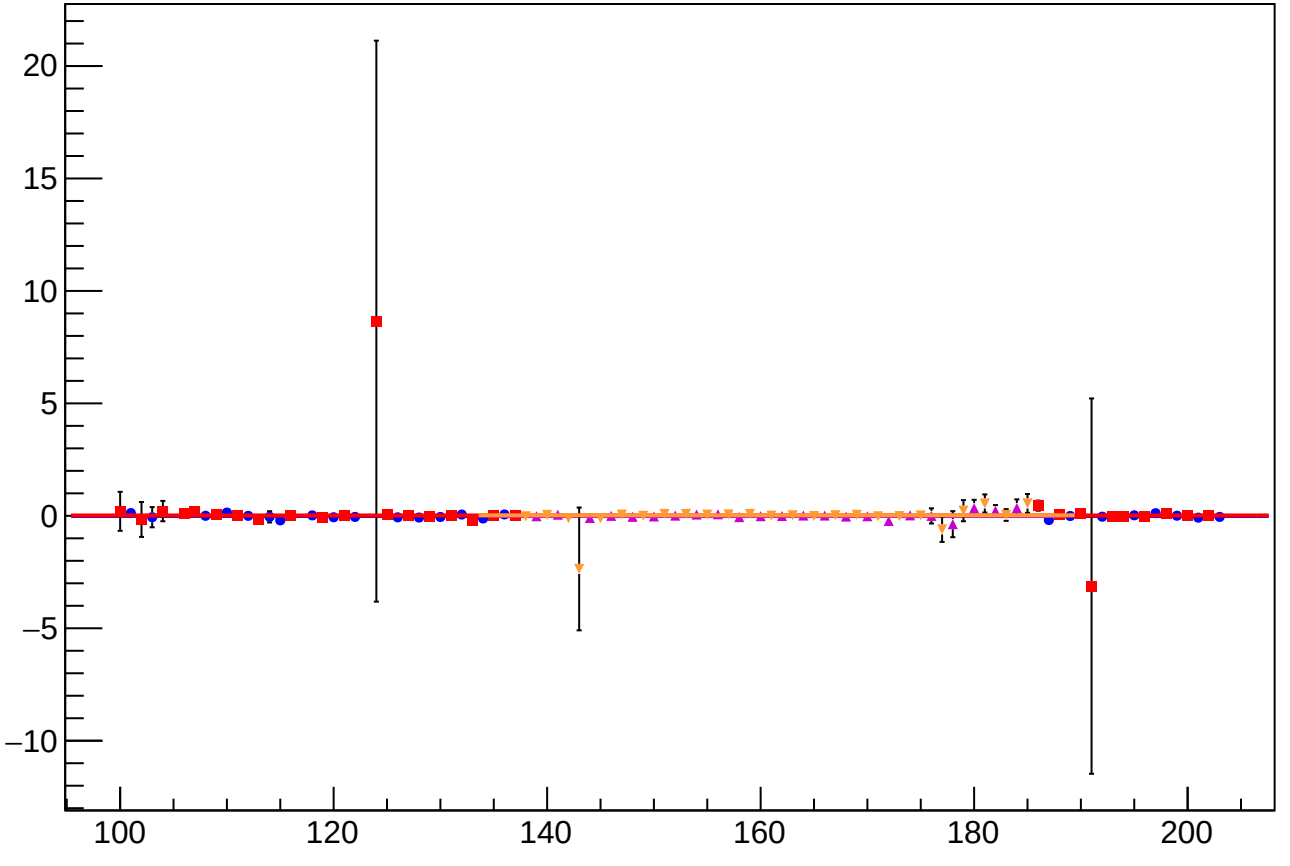
Right: 39.292+/-0.006 χ^2/NDF: 8432315.8/52

In: 35.277+/-0.005 χ^2/NDF:13192874.6/46

Out: 37.108+/-0.006 χ^2/NDF:17086472.3/53

All: 36.148+/-0.004 χ^2/NDF: 30333872.2/100

asym_atl_dd_atr_dd_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.006+/-0.012 χ^2/NDF: 27.9/23

Left Out: 0.023+/-0.010 χ^2/NDF:22.8/24

Right Out: 0.016+/-0.013 χ^2/NDF: 21.5/28

Left In: -0.010+/-0.010 χ^2/NDF:14.8/22

Left: 0.006+/-0.007 χ^2/NDF: 43.0/47

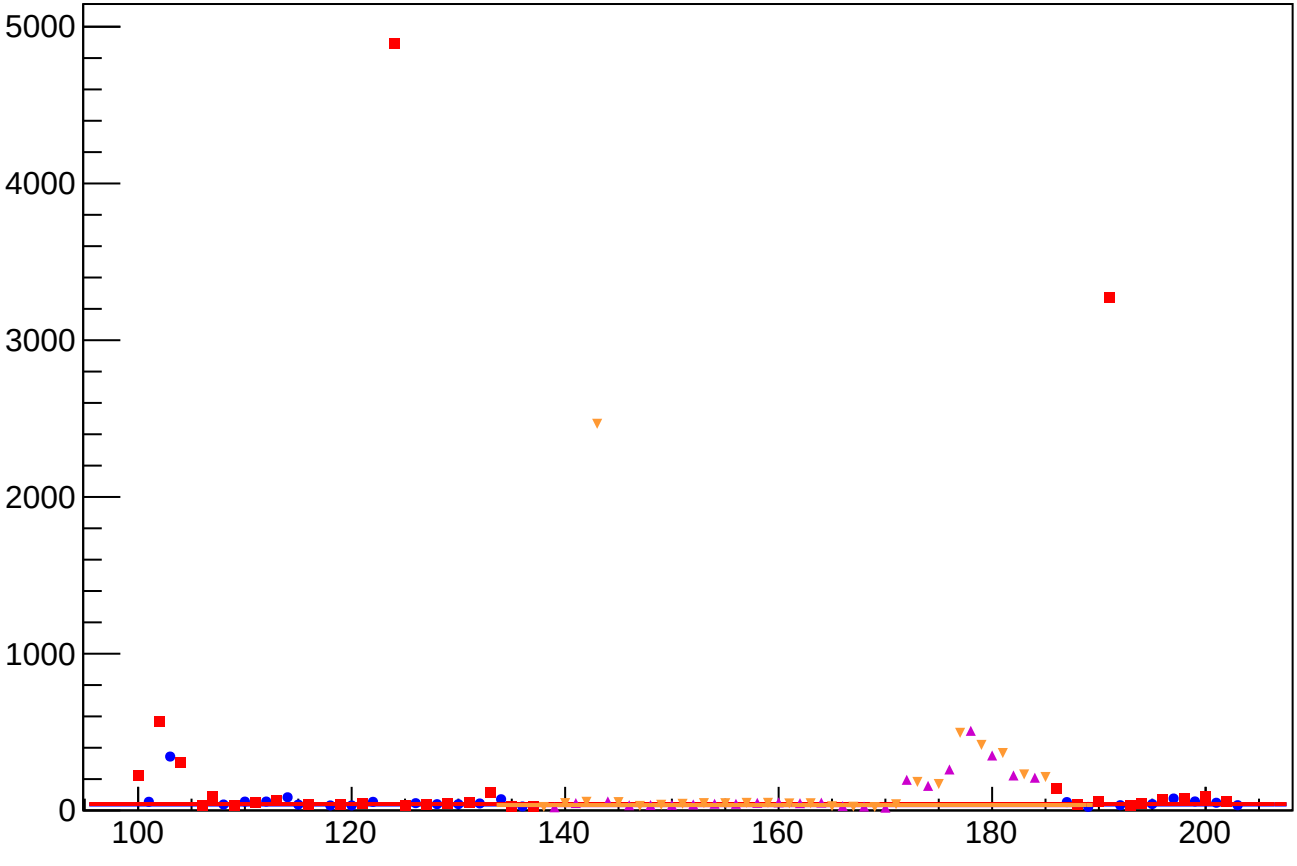
Right: 0.004+/-0.009 χ^2/NDF: 50.9/52

In: -0.008+/-0.008 χ^2/NDF:42.8/46

Out: 0.021+/-0.008 χ^2/NDF:44.5/53

All: 0.006+/-0.006 χ^2/NDF: 93.9/100

asym_atl_dd_atr_dd_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 37.724+/-0.008 χ^2/NDF: 2984504.0/23

Left Out: 34.624+/-0.007 χ^2/NDF:11402451.4/24

Right Out: 41.140+/-0.009 χ^2/NDF: 5373098.8/28

Left In: 33.592+/-0.007 χ^2/NDF:10067466.4/22

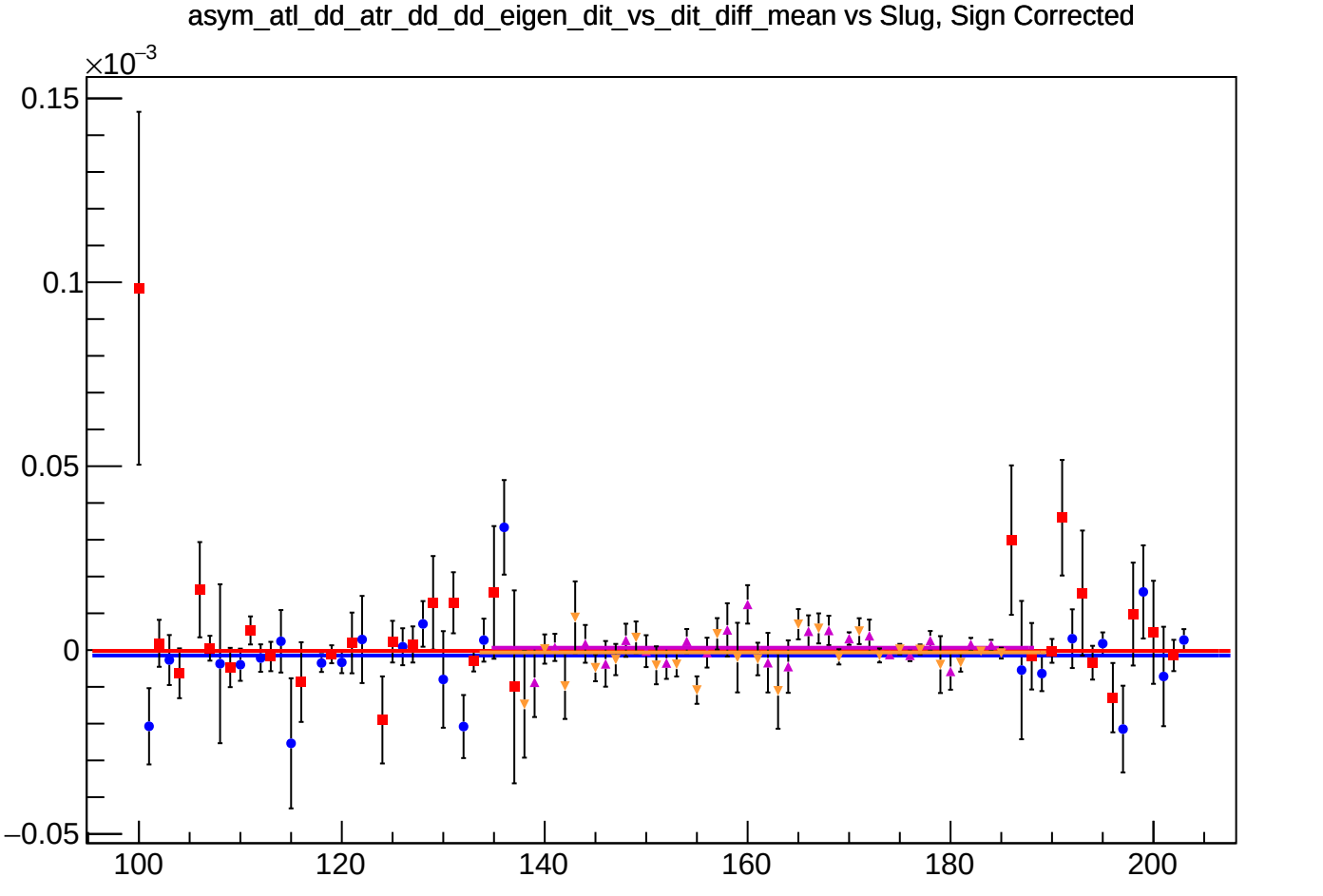
Left: 34.094+/-0.005 χ^2/NDF: 21480396.5/47

Right: 39.292+/-0.006 χ^2/NDF: 8432315.8/52

In: 35.277+/-0.005 χ^2/NDF:13192874.6/46

Out: 37.108+/-0.006 χ^2/NDF:17086472.3/53

All: 36.148+/-0.004 χ^2/NDF: 30333872.2/100



Right In: -0.000+/-0.000 χ^2/NDF: 32.0/23

Left Out: -0.000+/-0.000 χ^2/NDF:28.4/24

Right Out: -0.000+/-0.000 χ^2/NDF: 30.3/28

Left In: 0.000+/-0.000 χ^2/NDF:21.9/22

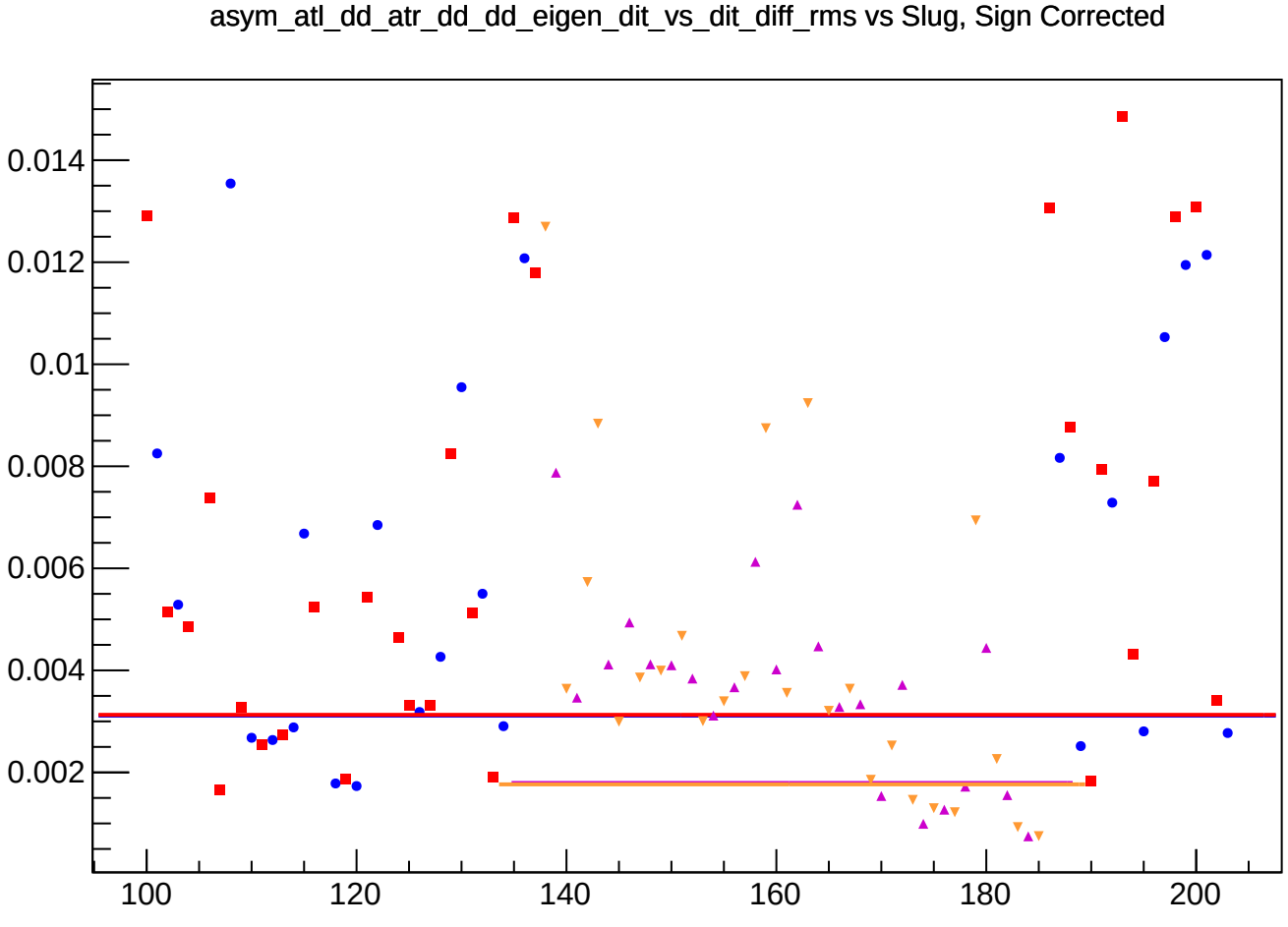
Left: -0.000+/-0.000 χ^2/NDF: 53.2/47

Right: -0.000+/-0.000 χ^2/NDF: 63.0/52

In: 0.000+/-0.000 χ^2/NDF:57.0/46

Out: -0.000+/-0.000 χ^2/NDF:58.8/53

All: -0.000+/-0.000 χ^2/NDF: 117.1/100



Right In: 0.003+/-0.000 χ^2/NDF: 7645539.3/23

Left Out: 0.002+/-0.000 χ^2/NDF:12926339.2/24

Right Out: 0.003+/-0.000 χ^2/NDF: 8809245.7/28

Left In: 0.002+/-0.000 χ^2/NDF:10766932.4/22

Left: 0.002+/-0.000 χ^2/NDF: 23695843.2/47

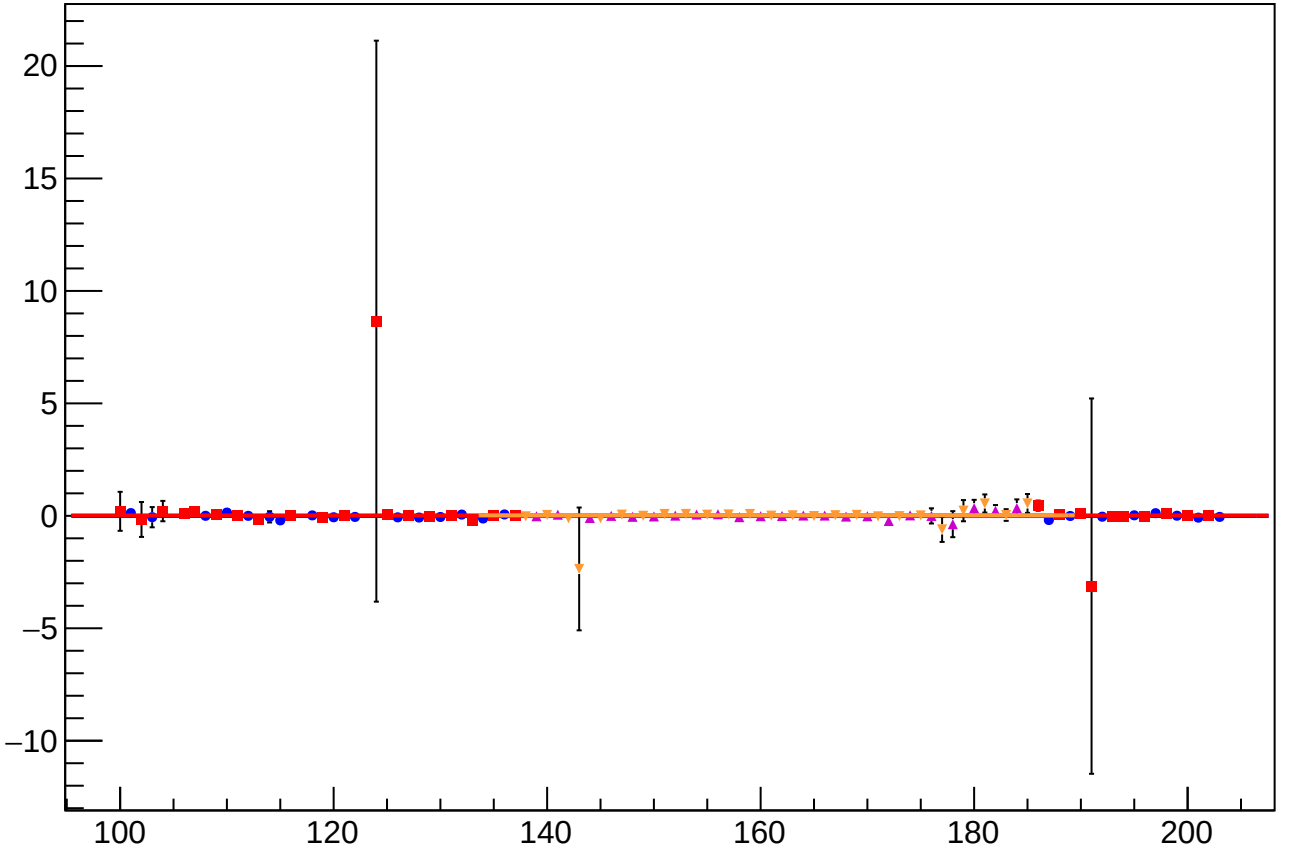
Right: 0.003+/-0.000 χ^2/NDF: 16455023.0/52

In: 0.002+/-0.000 χ^2/NDF:20861511.8/46

Out: 0.002+/-0.000 χ^2/NDF:24598258.5/53

All: 0.002+/-0.000 χ^2/NDF: 45462939.3/100

asym_atl_dd_atr_dd_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.006+/-0.012 χ^2/NDF: 27.9/23

Left Out: 0.023+/-0.010 χ^2/NDF:22.8/24

Right Out: 0.016+/-0.013 χ^2/NDF: 21.5/28

Left In: -0.010+/-0.010 χ^2/NDF:14.8/22

Left: 0.006+/-0.007 χ^2/NDF: 43.0/47

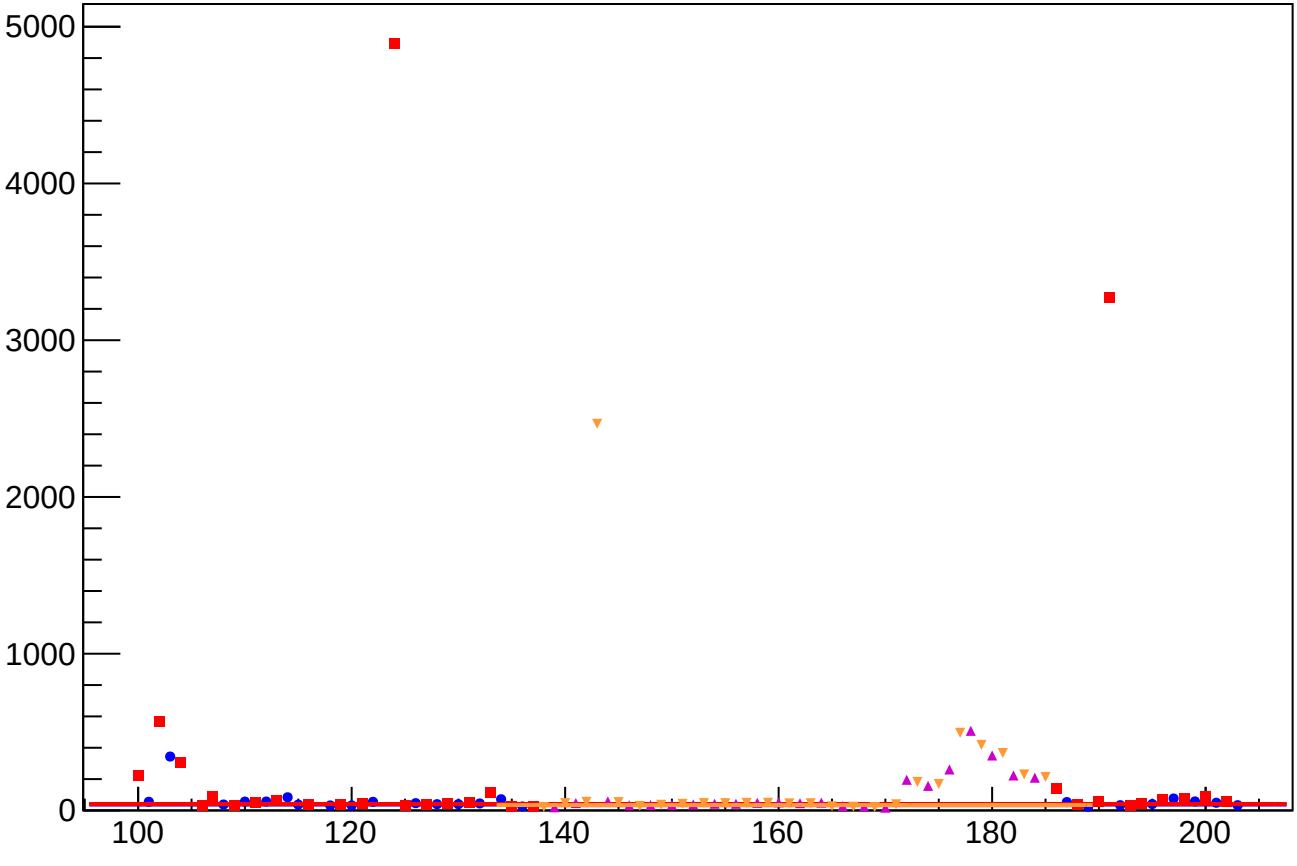
Right: 0.004+/-0.009 χ^2/NDF: 50.9/52

In: -0.008+/-0.008 χ^2/NDF:42.8/46

Out: 0.021+/-0.008 χ^2/NDF:44.5/53

All: 0.006+/-0.006 χ^2/NDF: 93.9/100

asym_atl_dd_atr_dd_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 37.725+/-0.008 χ^2/NDF: 2983710.2/23

Left Out: 34.623+/-0.007 χ^2/NDF:11402566.2/24

Right Out: 41.141+/-0.009 χ^2/NDF: 5372896.5/28

Left In: 33.595+/-0.007 χ^2/NDF:10066196.6/22

Left: 34.095+/-0.005 χ^2/NDF: 21479175.2/47

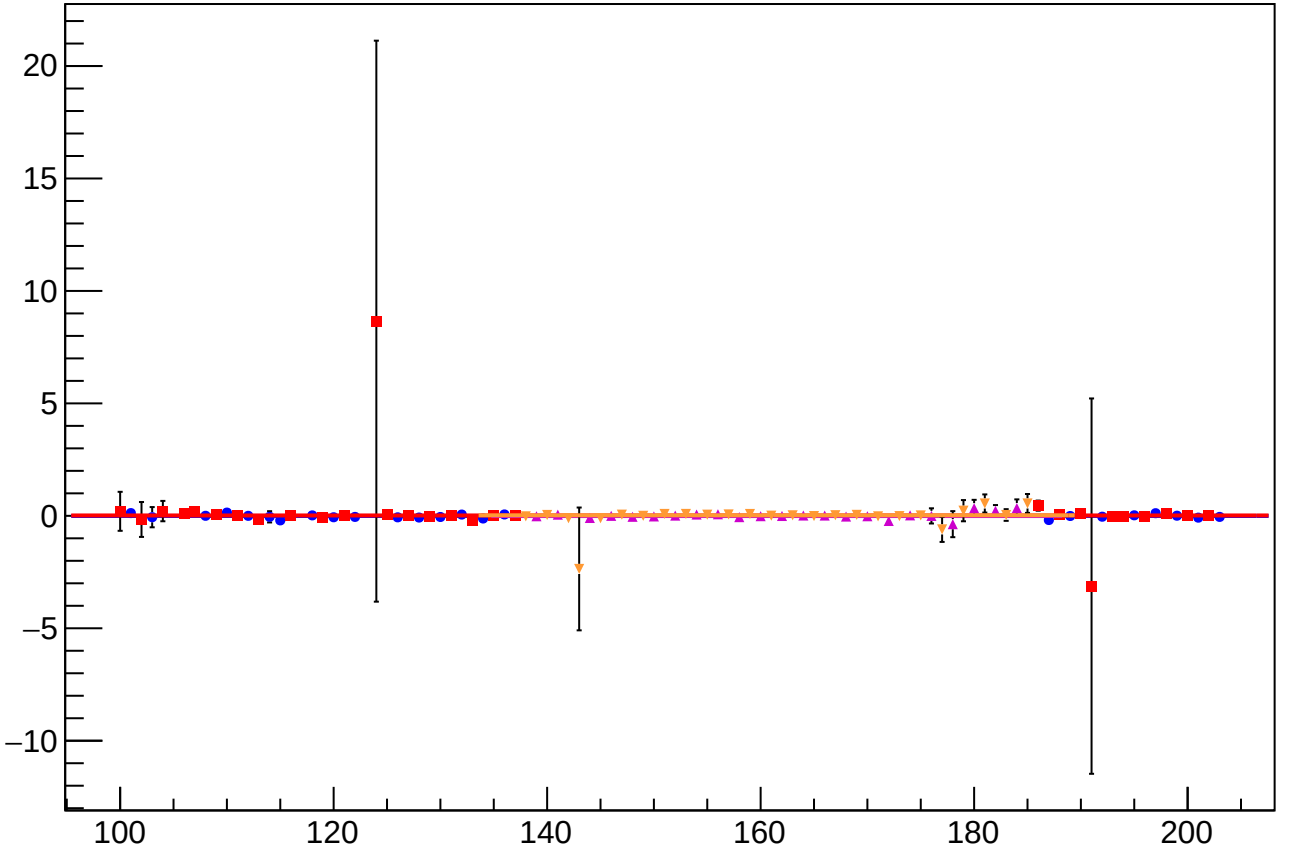
Right: 39.293+/-0.006 χ^2/NDF: 8431271.6/52

In: 35.279+/-0.005 χ^2/NDF:13190762.2/46

Out: 37.107+/-0.006 χ^2/NDF:17086538.5/53

All: 36.149+/-0.004 χ^2/NDF: 30331676.3/100

asym_atl_dd_atr_dd_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.006+/-0.012 χ^2/NDF: 27.9/23

Left Out: 0.023+/-0.010 χ^2/NDF:22.8/24

Right Out: 0.016+/-0.013 χ^2/NDF: 21.5/28

Left In: -0.010+/-0.010 χ^2/NDF:14.8/22

Left: 0.006+/-0.007 χ^2/NDF: 43.0/47

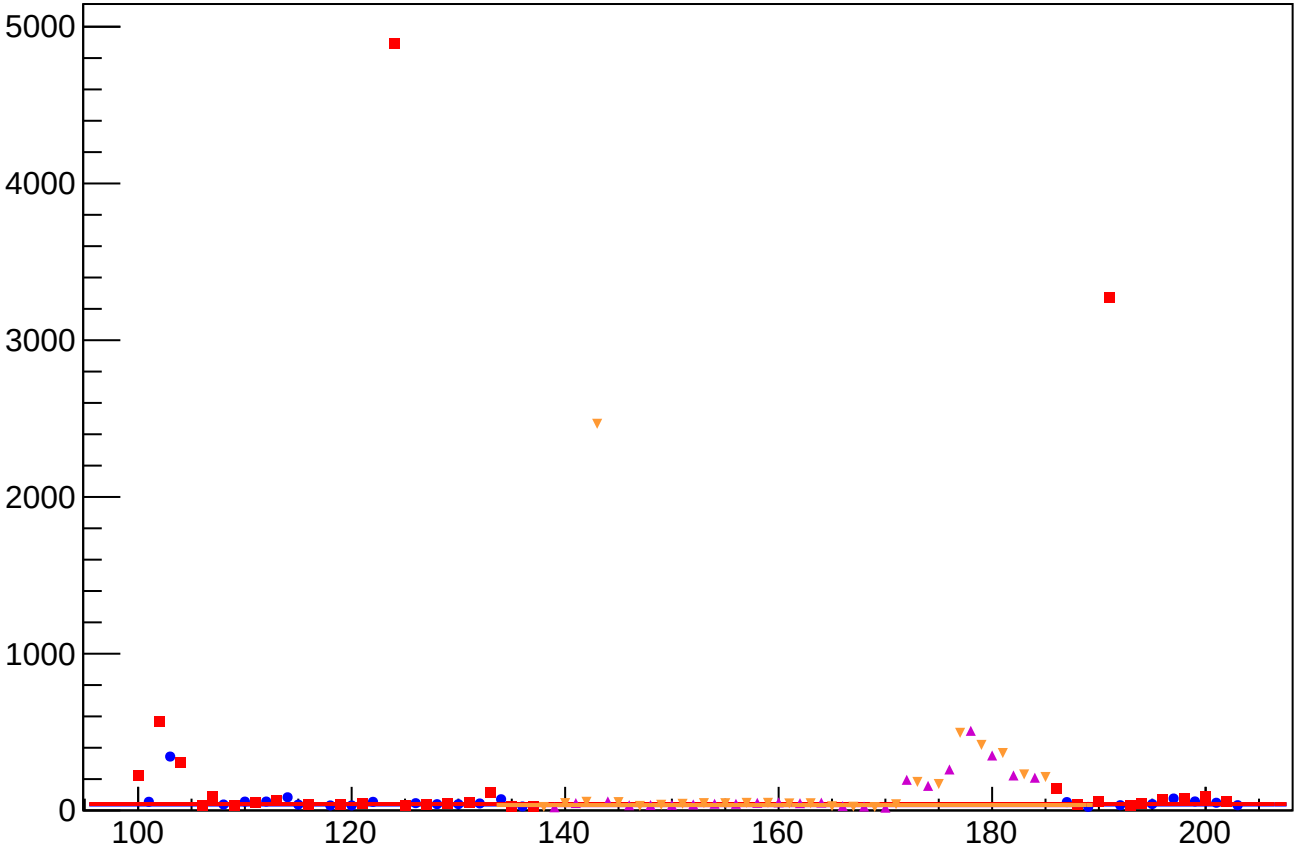
Right: 0.004+/-0.009 χ^2/NDF: 50.9/52

In: -0.008+/-0.008 χ^2/NDF:42.8/46

Out: 0.021+/-0.008 χ^2/NDF:44.5/53

All: 0.006+/-0.006 χ^2/NDF: 93.9/100

asym_atl_dd_atr_dd_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 37.725+/-0.008 χ^2/NDF: 2983710.2/23

Left Out: 34.623+/-0.007 χ^2/NDF:11402566.2/24

Right Out: 41.141+/-0.009 χ^2/NDF: 5372896.5/28

Left In: 33.595+/-0.007 χ^2/NDF:10066196.6/22

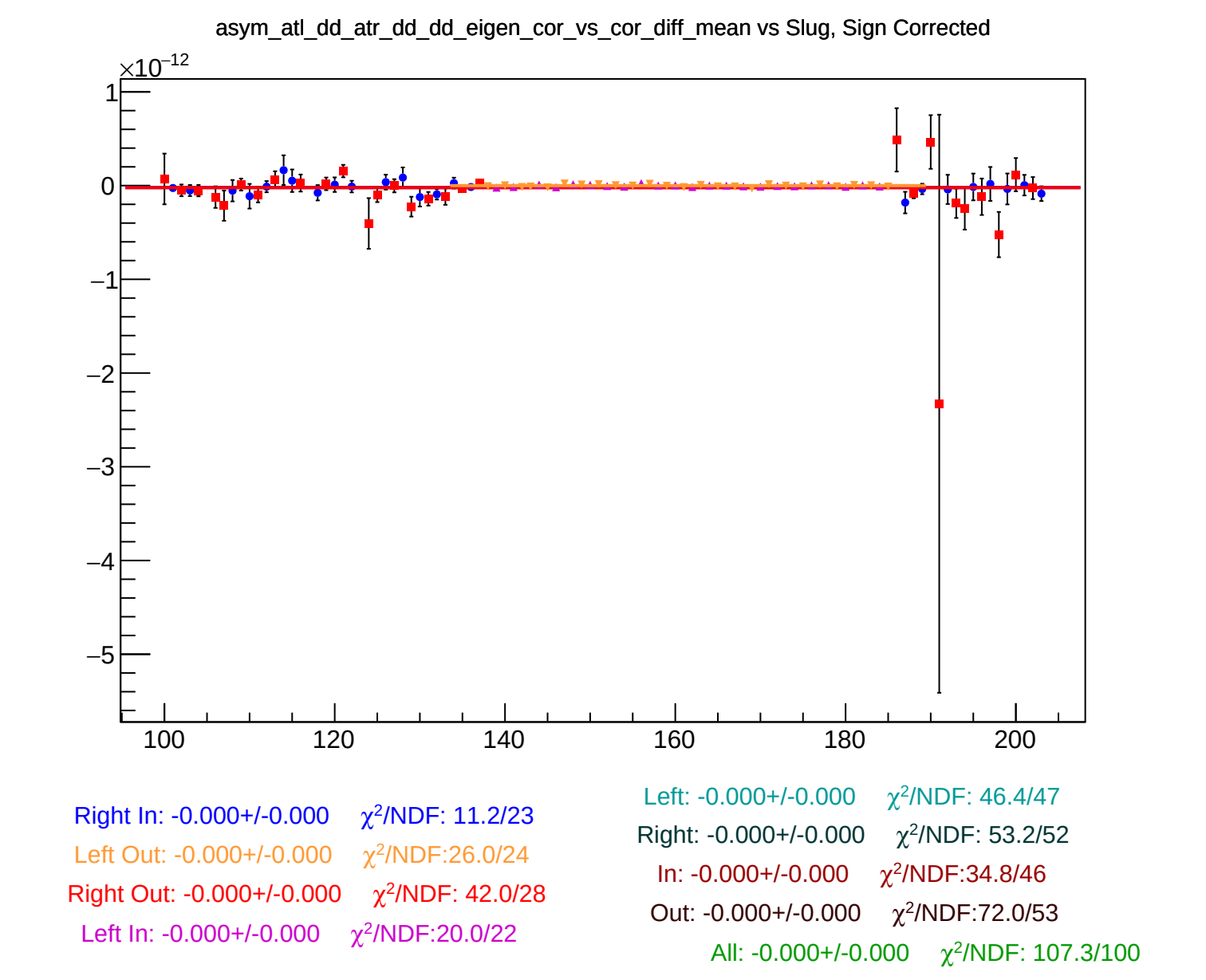
Left: 34.095+/-0.005 χ^2/NDF: 21479175.2/47

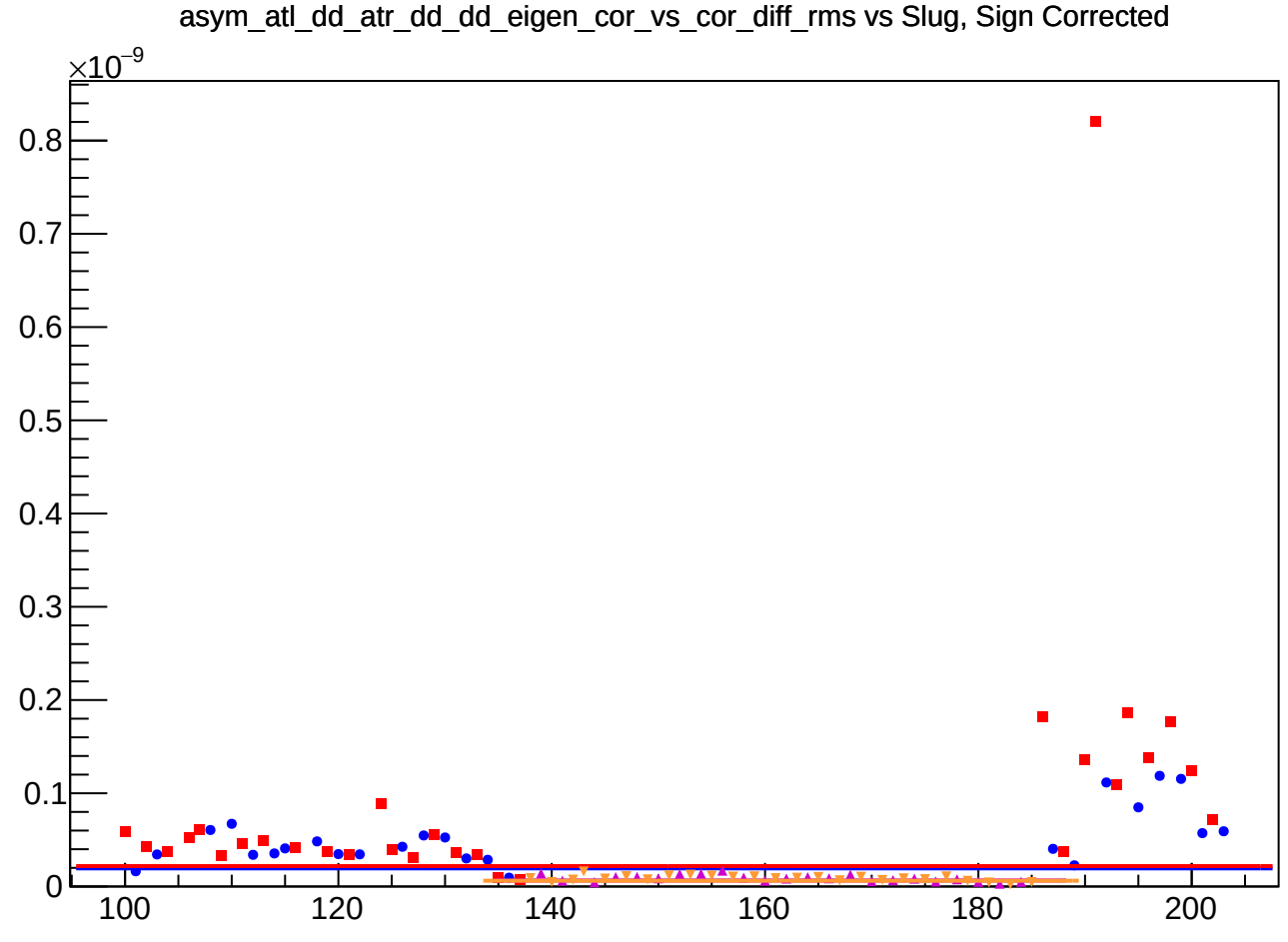
Right: 39.293+/-0.006 χ^2/NDF: 8431271.6/52

In: 35.279+/-0.005 χ^2/NDF:13190762.2/46

Out: 37.107+/-0.006 χ^2/NDF:17086538.5/53

All: 36.149+/-0.004 χ^2/NDF: 30331676.3/100


asym_atl_dd_atr_dd_dd_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
1
0
−1
−2
−3
−4
−5
100
120
140
160
180
200
Right In: -0.000+/-0.000 χ²/NDF: 11.2/23
Left Out: -0.000+/-0.000 χ²/NDF:26.0/24
Right Out: -0.000+/-0.000 χ²/NDF: 42.0/28
Left In: -0.000+/-0.000 χ²/NDF:20.0/22
Left: -0.000+/-0.000 χ²/NDF: 46.4/47
Right: -0.000+/-0.000 χ²/NDF: 53.2/52
In: -0.000+/-0.000 χ²/NDF:34.8/46
Out: -0.000+/-0.000 χ²/NDF:72.0/53
All: -0.000+/-0.000 χ²/NDF: 107.3/100



Right In: 0.000+/-0.000 χ^2/NDF: 6551772.6/23

Left Out: 0.000+/-0.000 χ^2/NDF:5077918.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 9233361.7/28

Left In: 0.000+/-0.000 χ^2/NDF:3998320.2/22

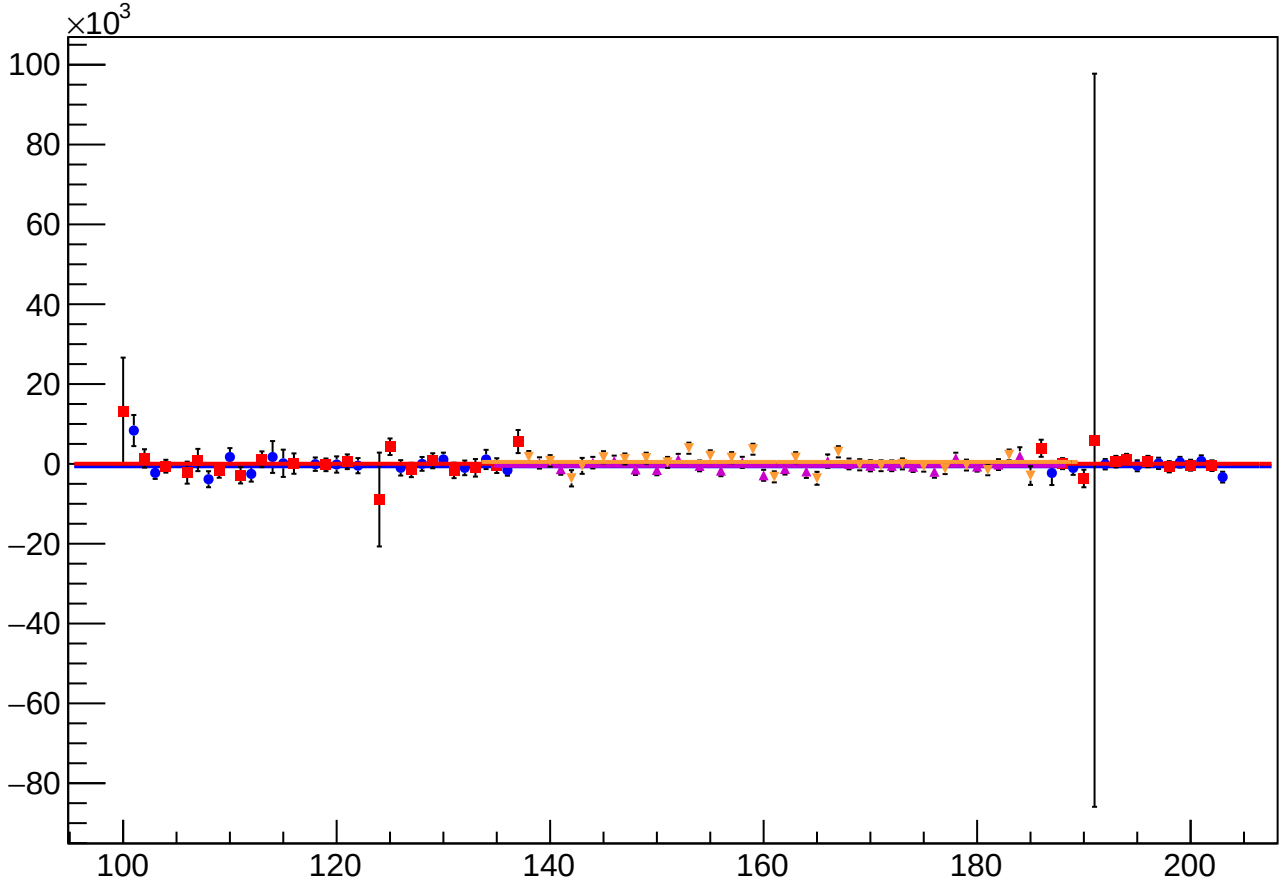
Left: 0.000+/-0.000 χ^2/NDF: 9096603.9/47

Right: 0.000+/-0.000 χ^2/NDF: 15842452.5/52

In: 0.000+/-0.000 χ^2/NDF:14077566.3/46

Out: 0.000+/-0.000 χ^2/NDF:18501430.0/53

All: 0.000+/-0.000 χ^2/NDF: 32609552.0/100



Right In: -598.215+/-357.099 χ^2/NDF: 20.2/23

Left Out: 492.062+/-288.495 χ^2/NDF:46.9/24

Right Out: 30.557+/-347.386 χ^2/NDF: 23.5/28

Left In: -486.821+/-293.769 χ^2/NDF:14.4/22

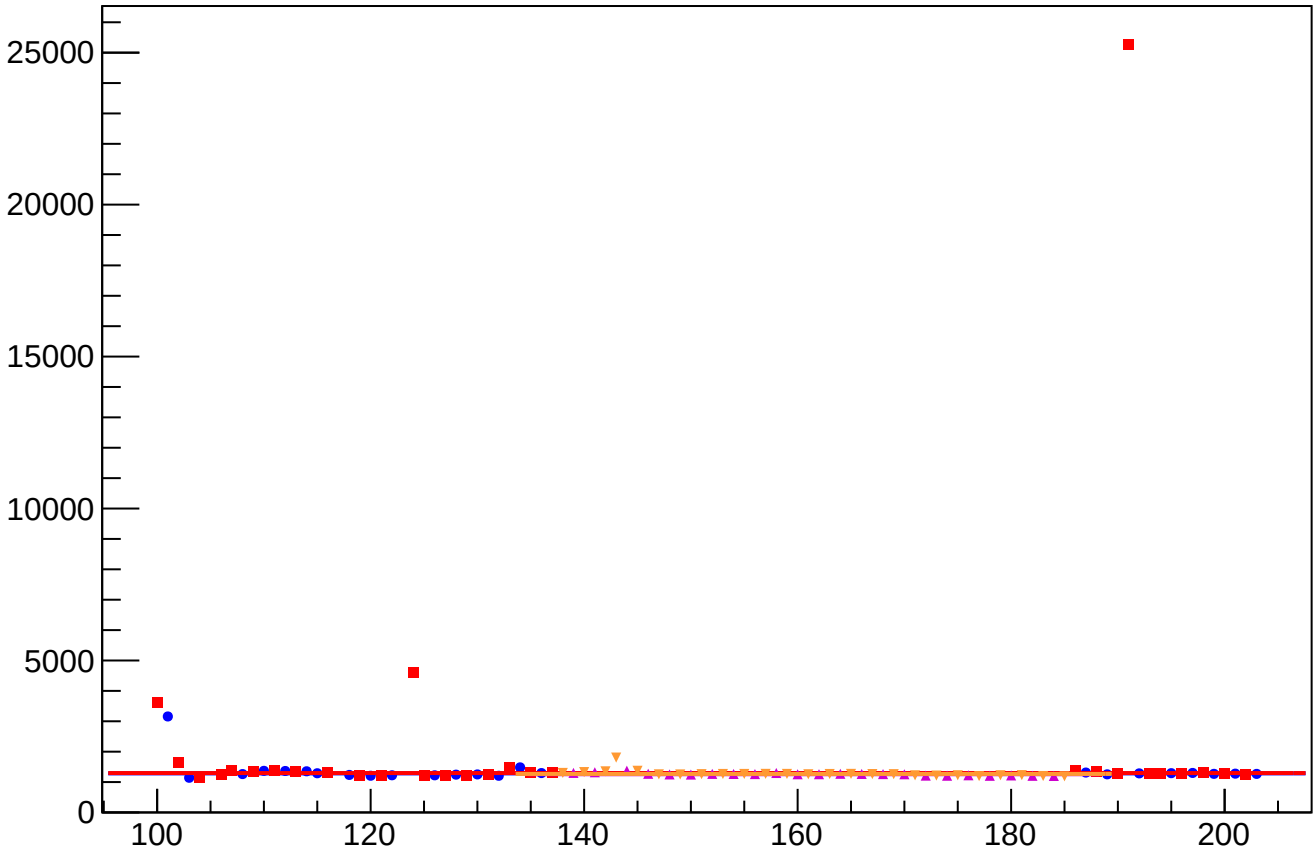
Left: 11.486+/-205.836 χ^2/NDF: 67.0/47

Right: -275.161+/-249.002 χ^2/NDF: 45.3/52

In: -531.781+/-226.866 χ^2/NDF:34.7/46

Out: 303.688+/-221.940 χ^2/NDF:71.5/53

All: -104.876+/-158.648 χ^2/NDF: 113.0/100



Right In: 1285.301+/-0.253 χ^2/NDF: 516525.6/23

Left Out: 1266.967+/-0.204 χ^2/NDF:187545.6/24

Right Out: 1296.553+/-0.245 χ^2/NDF: 467821.5/28

Left In: 1257.551+/-0.208 χ^2/NDF:36816.4/22

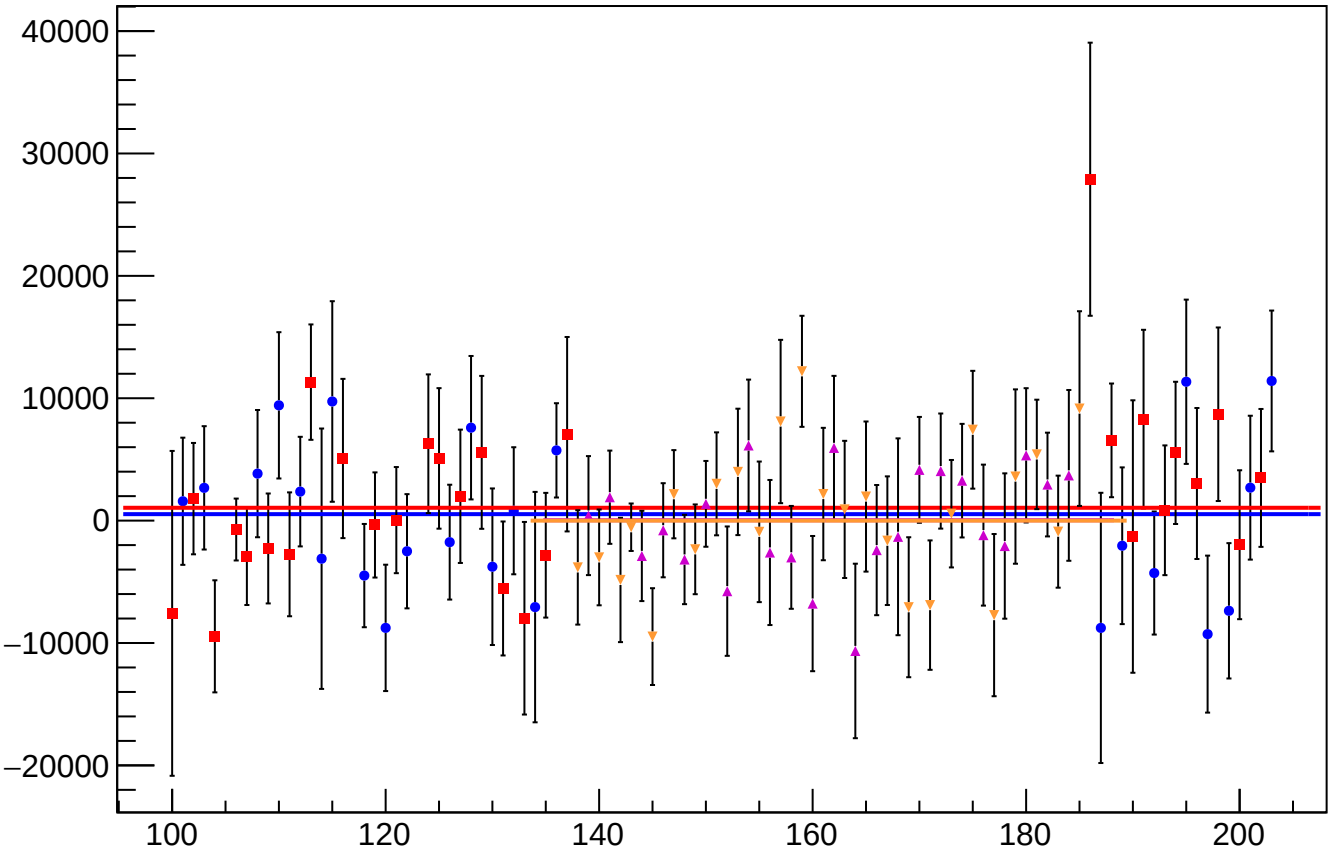
Left: 1262.345+/-0.146 χ^2/NDF: 225407.9/47

Right: 1291.089+/-0.176 χ^2/NDF: 985368.6/52

In: 1268.751+/-0.160 χ^2/NDF:560544.4/46

Out: 1279.063+/-0.157 χ^2/NDF:663965.9/53

All: 1274.023+/-0.112 χ^2/NDF: 1226622.5/10



Right In: 528.534+/-1132.348 χ^2/NDF: 26.6/23

Left Out: -0.604+/-886.488 χ^2/NDF:29.1/24

Right Out: 1049.679+/-970.752 χ^2/NDF: 29.9/28

Left In: 31.593+/-995.348 χ^2/NDF:14.0/22

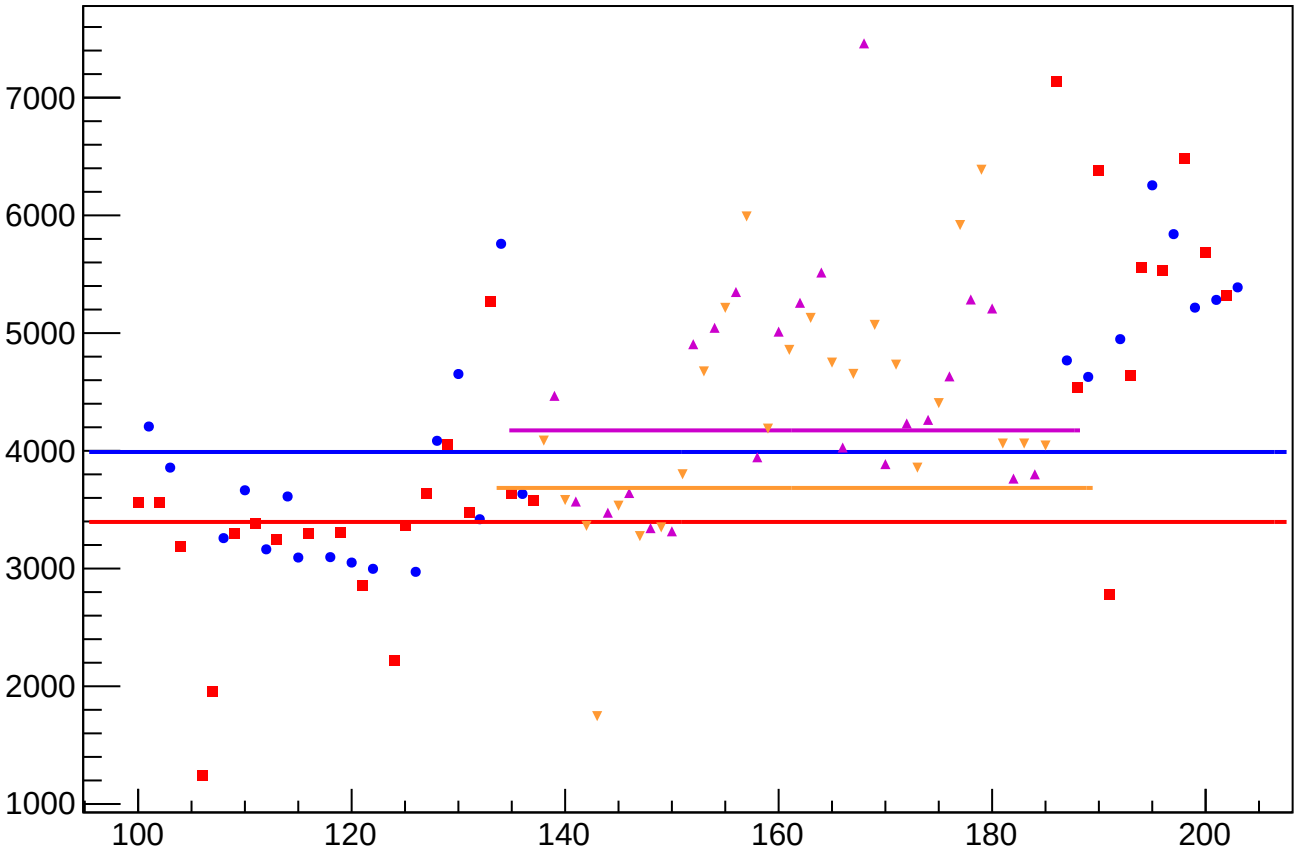
Left: 13.638+/-661.996 χ^2/NDF: 43.1/47

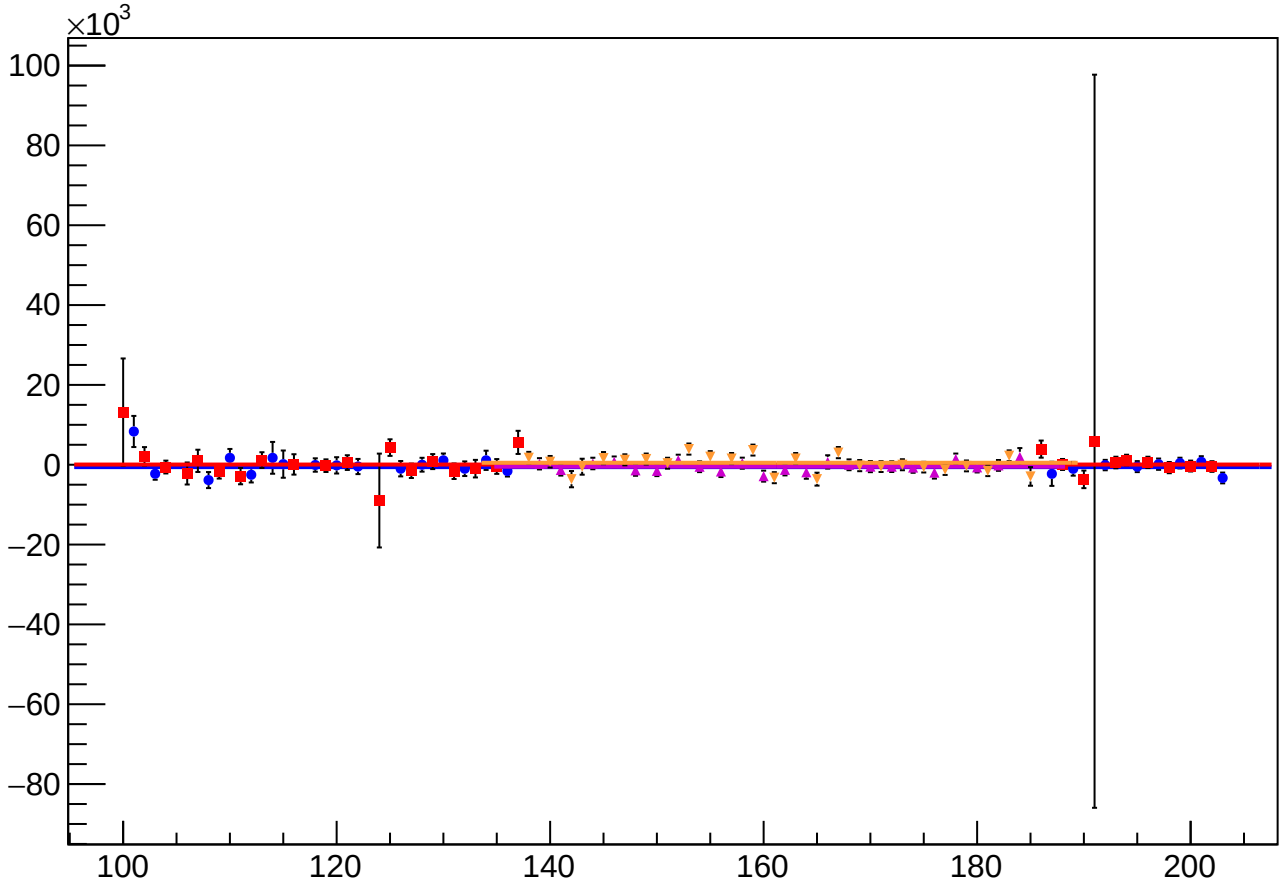
Right: 828.914+/-736.996 χ^2/NDF: 56.6/52

In: 248.198+/-747.587 χ^2/NDF:40.7/46

Out: 476.983+/-654.609 χ^2/NDF:59.6/53

All: 377.695+/-492.490 χ^2/NDF: 100.4/100


asym_at1_avg_at2_avg_dd_reg_correction_rms vs Slug, Sign Corrected
7000
6000
5000
4000
3000
2000
1000
100
120
140
160
180
200
Right In: 3990.167+/-0.801 χ²/NDF: 1429193.0/23
Left Out: 3684.769+/-0.627 χ²/NDF:3693646.6/24
Right Out: 3395.819+/-0.686 χ²/NDF: 4012509.1/28
Left In: 4173.556+/-0.704 χ²/NDF:1274968.4/22
Left: 3900.981+/-0.468 χ²/NDF: 5237573.9/47
Right: 3647.593+/-0.521 χ²/NDF: 5759291.0/52
In: 4093.621+/-0.529 χ²/NDF:2733754.5/46
Out: 3553.377+/-0.463 χ²/NDF:7802777.4/53
All: 3787.832+/-0.348 χ²/NDF: 11127709.5/1



Right In: -598.388+/-357.099 χ^2/NDF: 20.1/23

Left Out: 492.079+/-288.495 χ^2/NDF:46.9/24

Right Out: 45.322+/-347.502 χ^2/NDF: 23.9/28

Left In: -486.720+/-293.769 χ^2/NDF:14.4/22

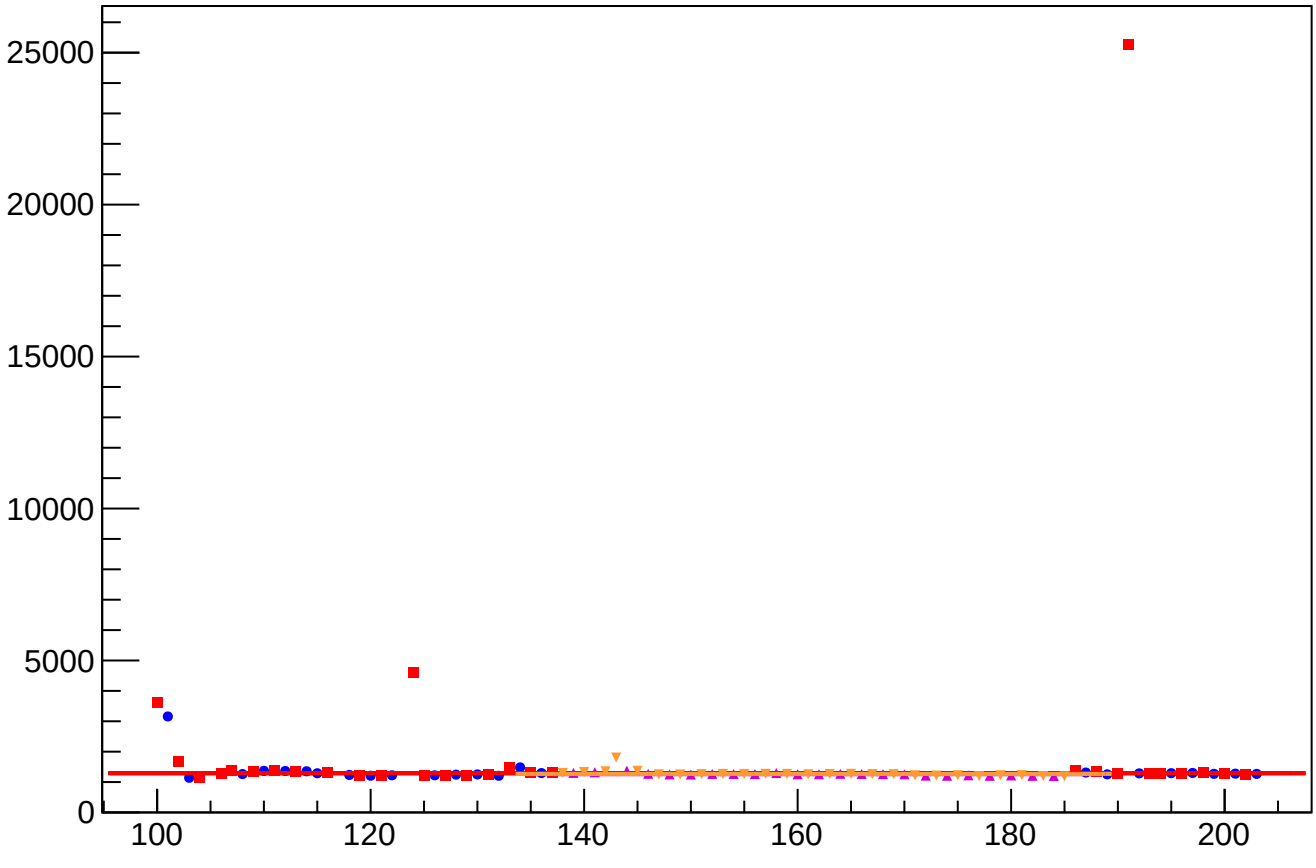
Left: 11.544+/-205.836 χ^2/NDF: 67.0/47

Right: -267.768+/-249.045 χ^2/NDF: 45.8/52

In: -531.791+/-226.866 χ^2/NDF:34.6/46

Out: 309.796+/-221.970 χ^2/NDF:71.8/53

All: -101.818+/-158.659 χ^2/NDF: 113.5/100



Right In: 1285.301+/-0.253 χ^2/NDF: 516527.0/23

Left Out: 1266.968+/-0.204 χ^2/NDF:187545.6/24

Right Out: 1297.580+/-0.245 χ^2/NDF: 474443.2/28

Left In: 1257.551+/-0.208 χ^2/NDF:36816.3/22

Left: 1262.345+/-0.146 χ^2/NDF: 225407.9/47

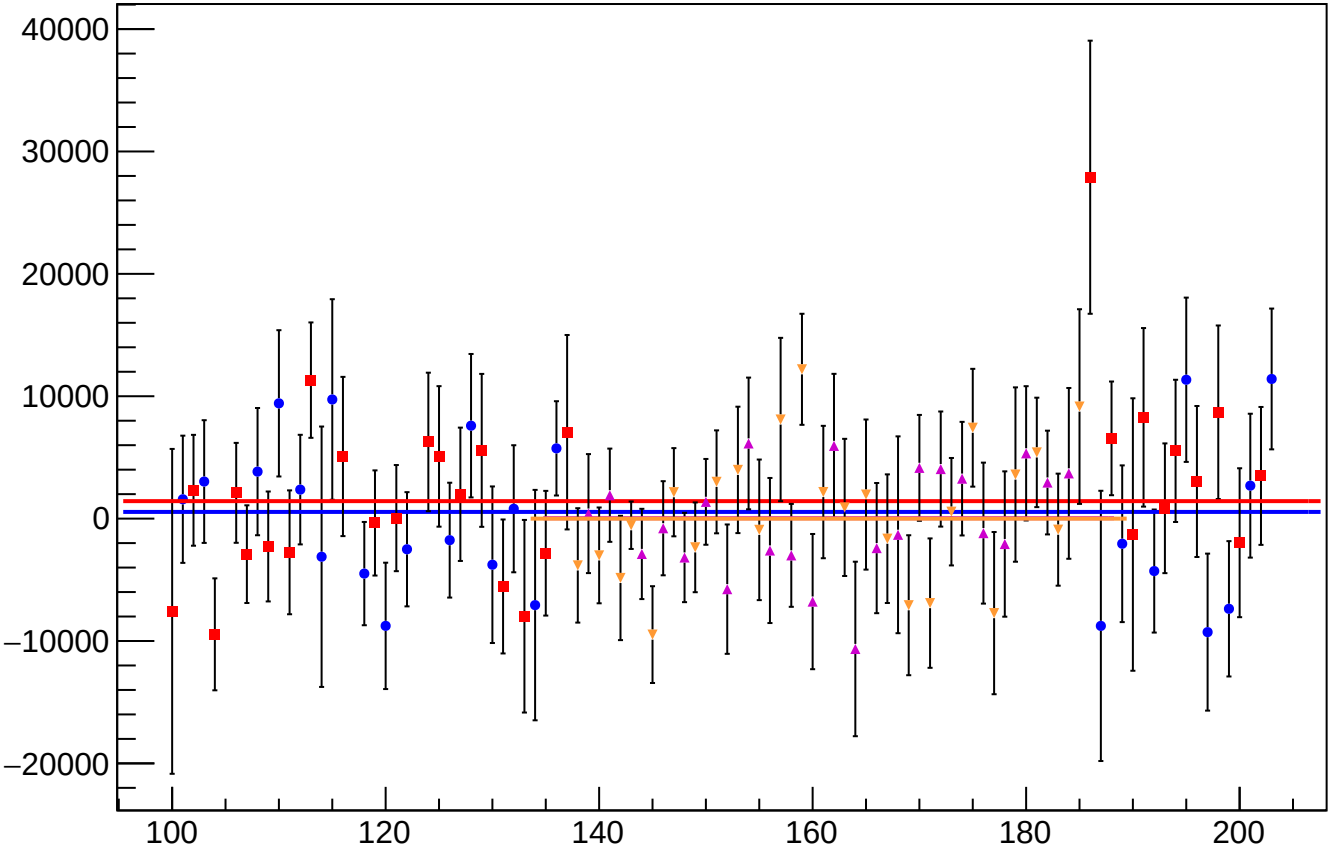
Right: 1291.613+/-0.176 χ^2/NDF: 992186.0/52

In: 1268.751+/-0.160 χ^2/NDF:560545.8/46

Out: 1279.472+/-0.157 χ^2/NDF:671187.0/53

All: 1274.230+/-0.112 χ^2/NDF: 1234015.4/10

asym_at1_avg_at2_avg_dd_cor_correction_mean vs Slug, Sign Corrected



Right In: 547.490+/-1132.064 χ^2/NDF: 26.6/23

Left Out: -0.541+/-886.487 χ^2/NDF:29.1/24

Right Out: 1428.505+/-1017.726 χ^2/NDF: 29.4/28

Left In: 31.597+/-995.347 χ^2/NDF:14.0/22

Left: 13.675+/-661.996 χ^2/NDF: 43.1/47

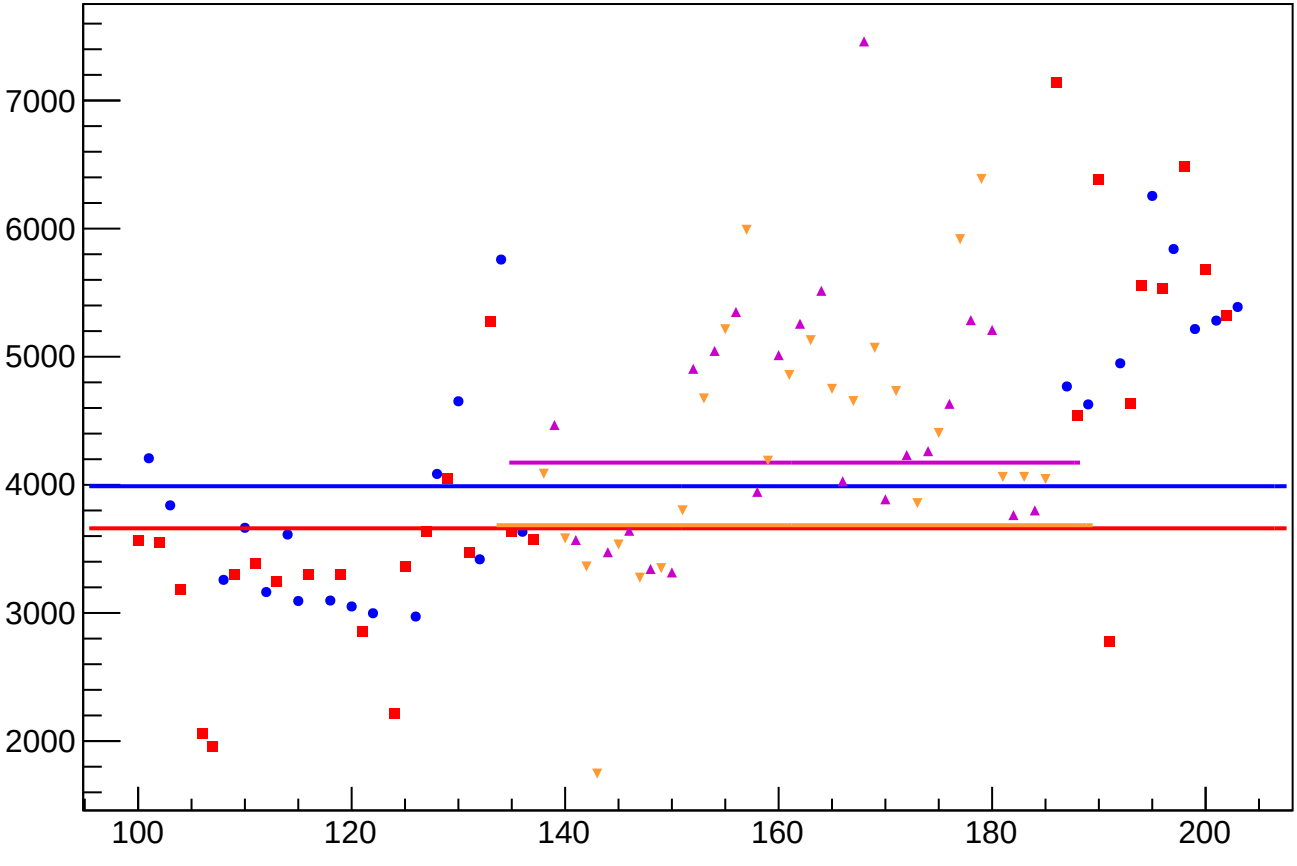
Right: 1034.722+/-756.846 χ^2/NDF: 56.4/52

In: 256.526+/-747.505 χ^2/NDF:40.8/46

Out: 615.957+/-668.457 χ^2/NDF:59.6/53

All: 456.245+/-498.282 χ^2/NDF: 100.5/100

asym_at1_avg_at2_avg_dd_cor_correction_rms vs Slug, Sign Corrected



Right In: 3989.258+/-0.800 χ^2/NDF: 1429635.7/23

Left Out: 3684.762+/-0.627 χ^2/NDF:3693687.2/24

Right Out: 3660.780+/-0.720 χ^2/NDF: 2639790.9/28

Left In: 4173.550+/-0.704 χ^2/NDF:1274967.5/22

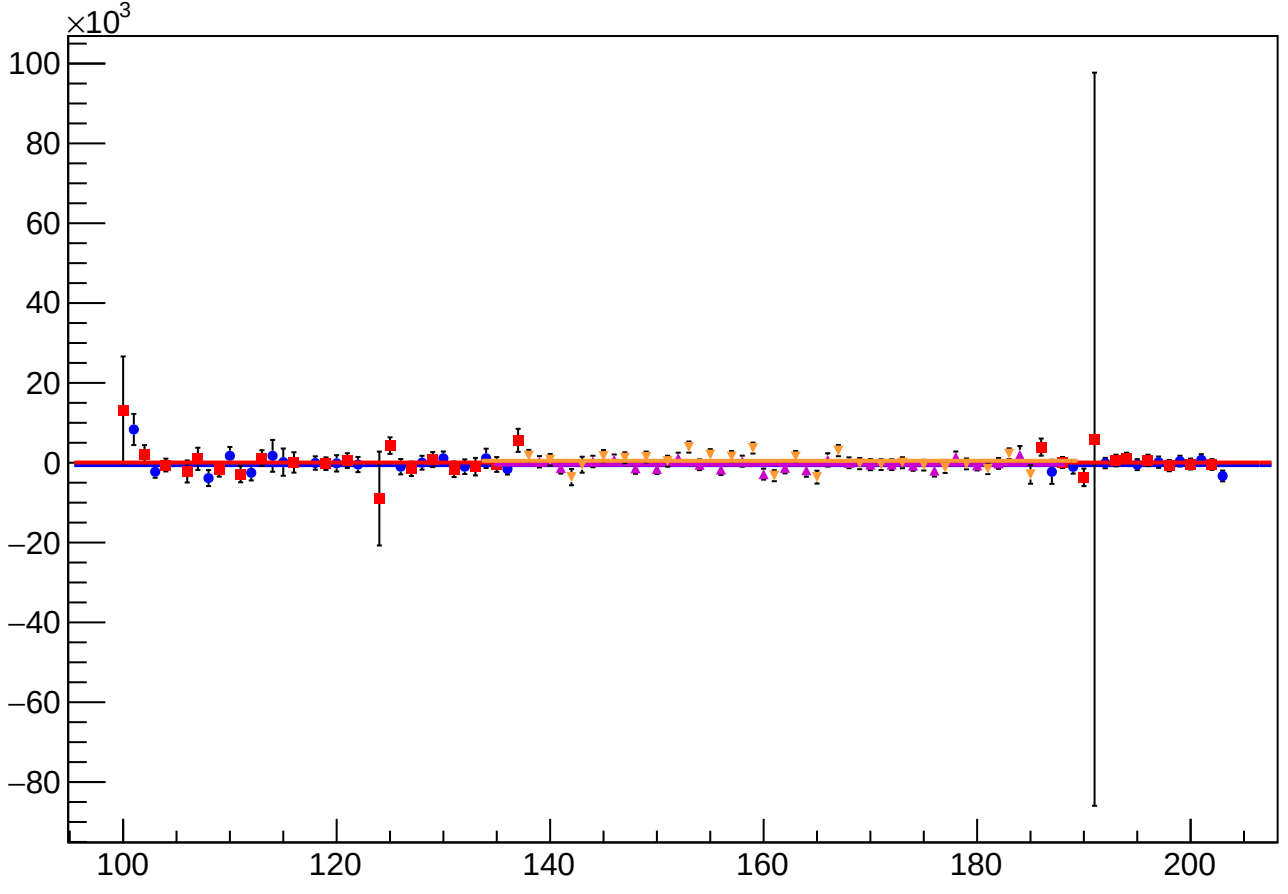
Left: 3900.975+/-0.468 χ^2/NDF: 5237615.0/47

Right: 3807.598+/-0.535 χ^2/NDF: 4162549.4/52

In: 4093.199+/-0.529 χ^2/NDF:2734496.9/46

Out: 3674.416+/-0.473 χ^2/NDF:6334109.6/53

All: 3860.501+/-0.352 χ^2/NDF: 9417412.3/10



Right In: -598.388+/-357.099 χ^2/NDF: 20.1/23

Left Out: 492.079+/-288.495 χ^2/NDF:46.9/24

Right Out: 45.322+/-347.502 χ^2/NDF: 23.9/28

Left In: -486.720+/-293.769 χ^2/NDF:14.4/22

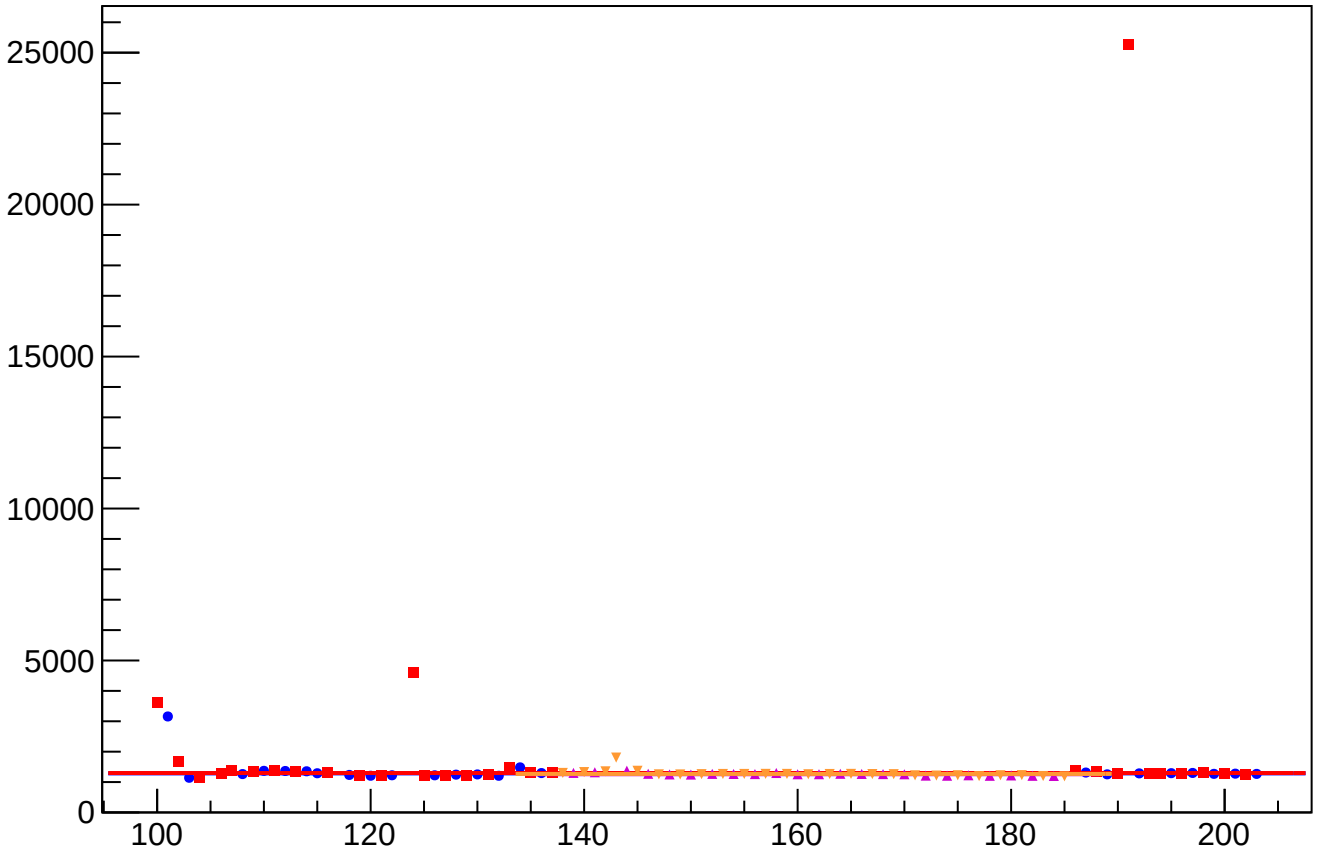
Left: 11.544+/-205.836 χ^2/NDF: 67.0/47

Right: -267.768+/-249.045 χ^2/NDF: 45.8/52

In: -531.791+/-226.866 χ^2/NDF:34.6/46

Out: 309.796+/-221.970 χ^2/NDF:71.8/53

All: -101.818+/-158.659 χ^2/NDF: 113.5/100



Right In: 1285.301+/-0.253 χ^2/NDF: 516527.0/23

Left Out: 1266.968+/-0.204 χ^2/NDF:187545.6/24

Right Out: 1297.580+/-0.245 χ^2/NDF: 474443.2/28

Left In: 1257.551+/-0.208 χ^2/NDF:36816.3/22

Left: 1262.345+/-0.146 χ^2/NDF: 225407.9/47

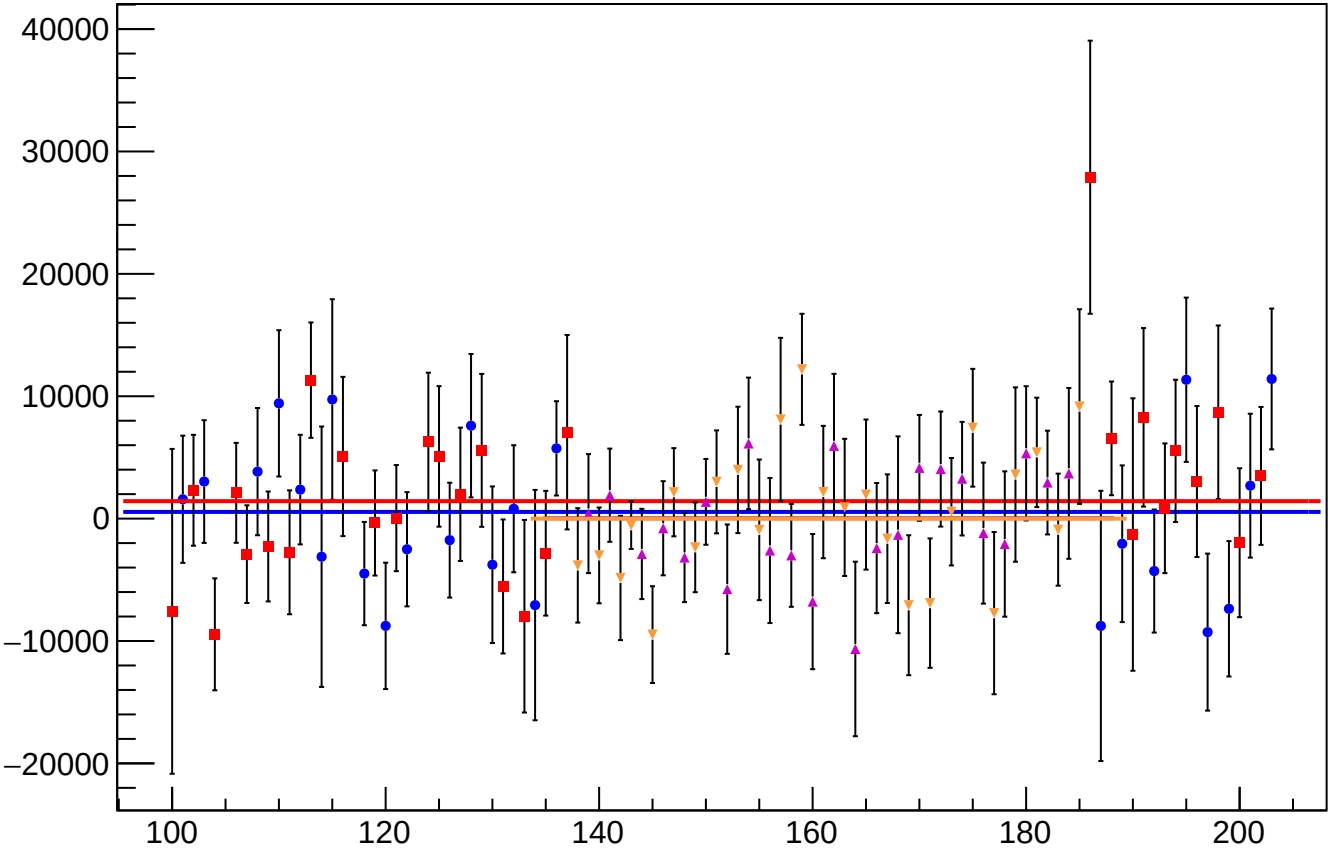
Right: 1291.613+/-0.176 χ^2/NDF: 992186.0/52

In: 1268.751+/-0.160 χ^2/NDF:560545.8/46

Out: 1279.472+/-0.157 χ^2/NDF:671187.0/53

All: 1274.230+/-0.112 χ^2/NDF: 1234015.4/10

asym_at1_avg_at2_avg_dd_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: 547.490+/-1132.064 χ^2/NDF: 26.6/23

Left Out: -0.541+/-886.487 χ^2/NDF:29.1/24

Right Out: 1428.505+/-1017.726 χ^2/NDF: 29.4/28

Left In: 31.597+/-995.347 χ^2/NDF:14.0/22

Left: 13.675+/-661.996 χ^2/NDF: 43.1/47

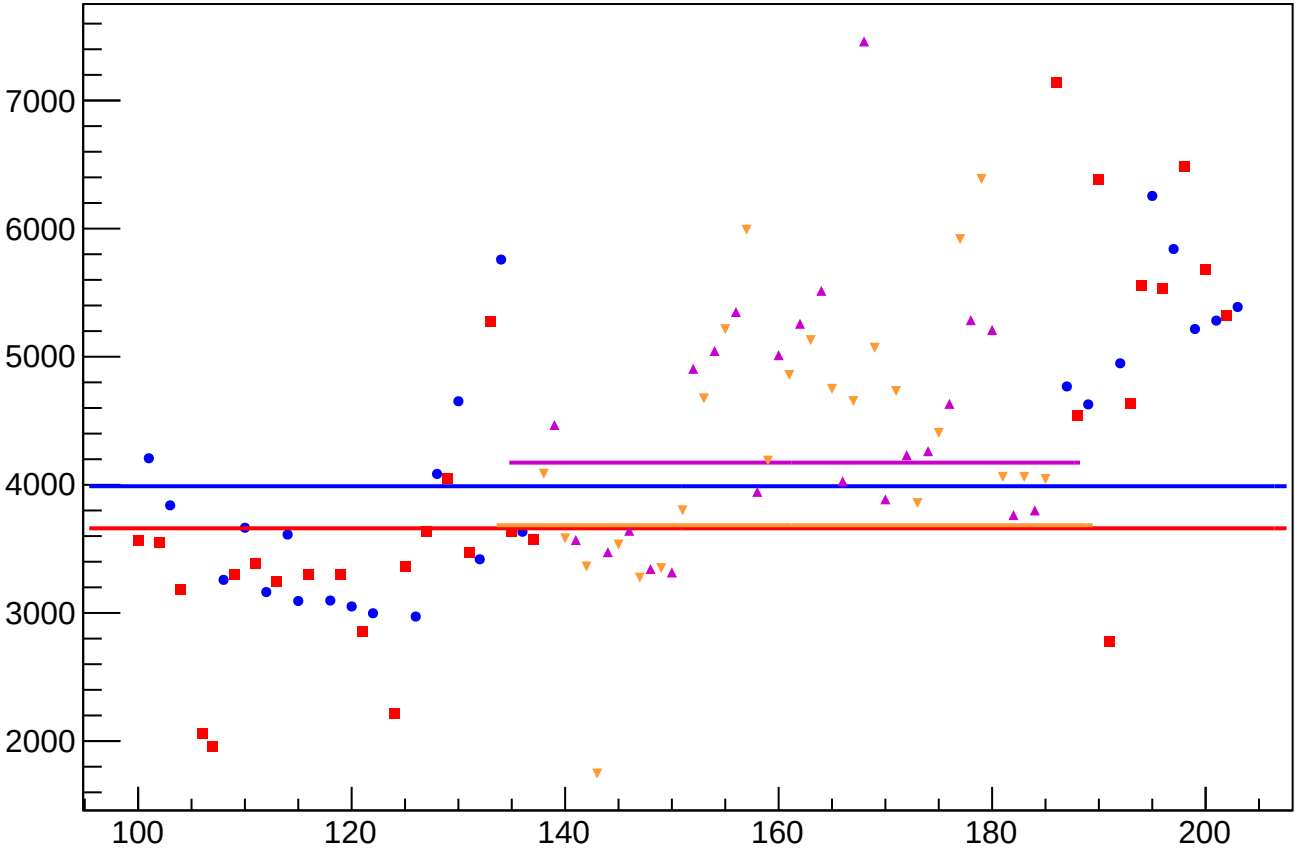
Right: 1034.722+/-756.846 χ^2/NDF: 56.4/52

In: 256.526+/-747.505 χ^2/NDF:40.8/46

Out: 615.957+/-668.457 χ^2/NDF:59.6/53

All: 456.245+/-498.282 χ^2/NDF: 100.5/100

asym_at1_avg_at2_avg_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 3989.258+/-0.800 χ^2/NDF: 1429635.7/23

Left Out: 3684.762+/-0.627 χ^2/NDF:3693687.2/24

Right Out: 3660.780+/-0.720 χ^2/NDF: 2639790.9/28

Left In: 4173.550+/-0.704 χ^2/NDF:1274967.5/22

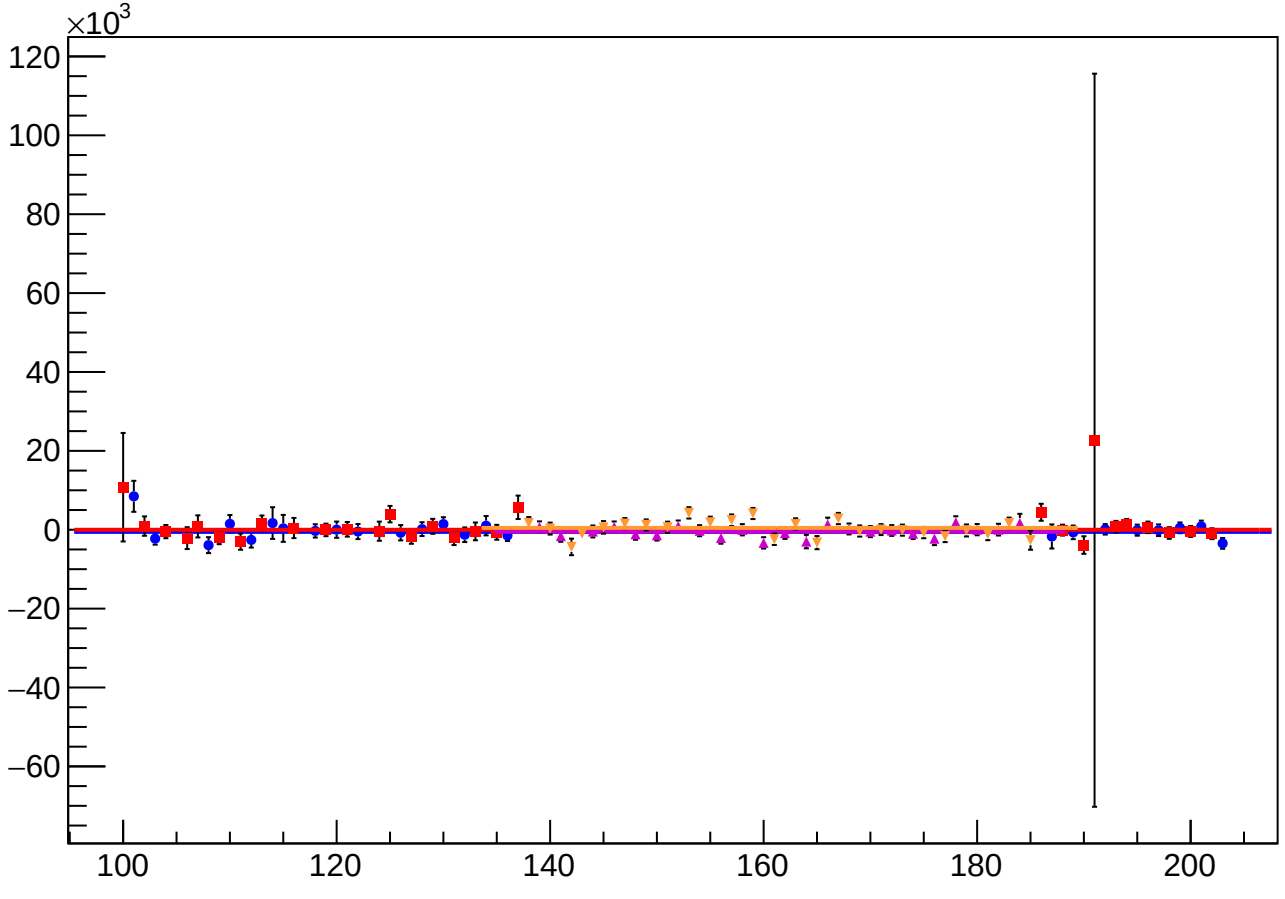
Left: 3900.975+/-0.468 χ^2/NDF: 5237615.0/47

Right: 3807.598+/-0.535 χ^2/NDF: 4162549.4/52

In: 4093.199+/-0.529 χ^2/NDF:2734496.9/46

Out: 3674.416+/-0.473 χ^2/NDF:6334109.6/53

All: 3860.501+/-0.352 χ^2/NDF: 9417412.3/10



Right In: -539.414+/-362.408 χ^2/NDF: 20.7/23

Left Out: 467.929+/-294.257 χ^2/NDF:44.1/24

Right Out: -10.934+/-349.986 χ^2/NDF: 24.7/28

Left In: -503.558+/-307.055 χ^2/NDF:17.4/22

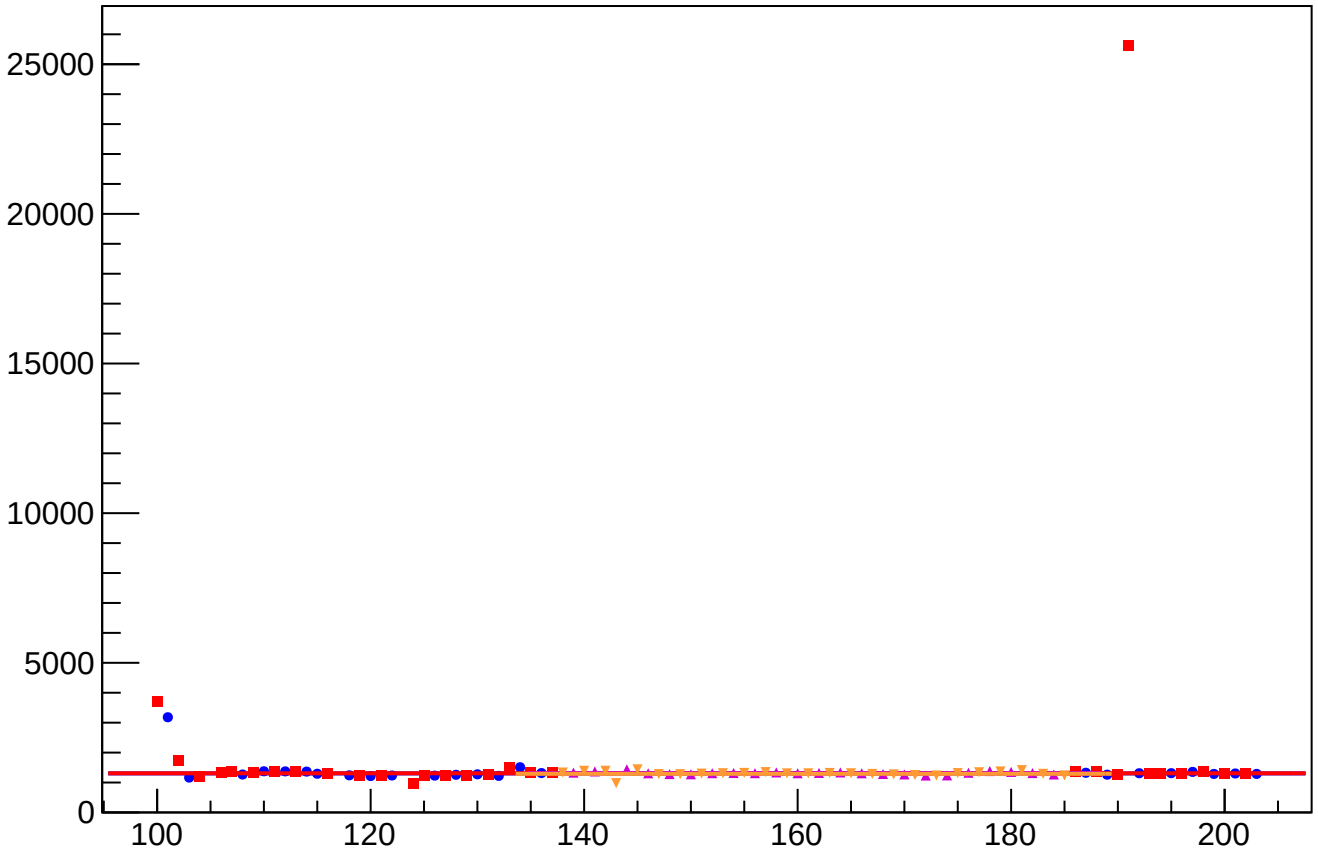
Left: 2.853+/-212.452 χ^2/NDF: 66.7/47

Right: -265.962+/-251.755 χ^2/NDF: 46.5/52

In: -518.542+/-234.274 χ^2/NDF:38.1/46

Out: 269.613+/-225.229 χ^2/NDF:69.9/53

All: -108.957+/-162.364 χ^2/NDF: 113.9/100



Right In: 1304.314+/-0.256 χ^2/NDF: 514914.1/23

Left Out: 1291.211+/-0.208 χ^2/NDF:230735.1/24

Right Out: 1308.723+/-0.247 χ^2/NDF: 363342.3/28

Left In: 1314.006+/-0.217 χ^2/NDF:43044.7/22

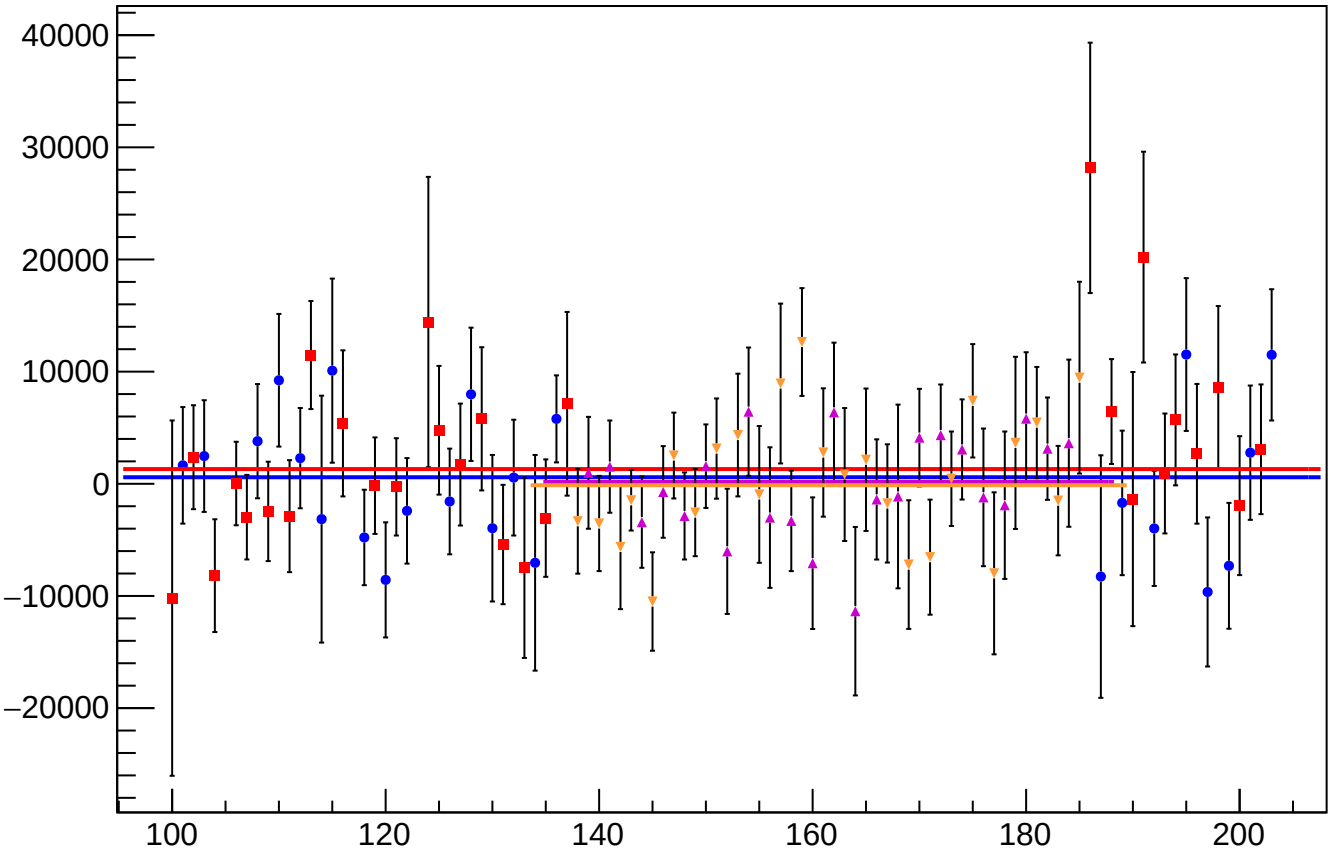
Left: 1302.123+/-0.150 χ^2/NDF: 279525.5/47

Right: 1306.596+/-0.178 χ^2/NDF: 878409.6/52

In: 1309.956+/-0.166 χ^2/NDF:558791.4/46

Out: 1298.467+/-0.159 χ^2/NDF:597012.5/53

All: 1303.984+/-0.115 χ^2/NDF: 1158304.0/10



Right In: 583.551+/-1138.726 χ^2/NDF: 26.3/23

Left Out: -127.273+/-977.231 χ^2/NDF:28.6/24

Right Out: 1312.194+/-1035.746 χ^2/NDF: 31.0/28

Left In: 159.452+/-1045.510 χ^2/NDF:13.8/22

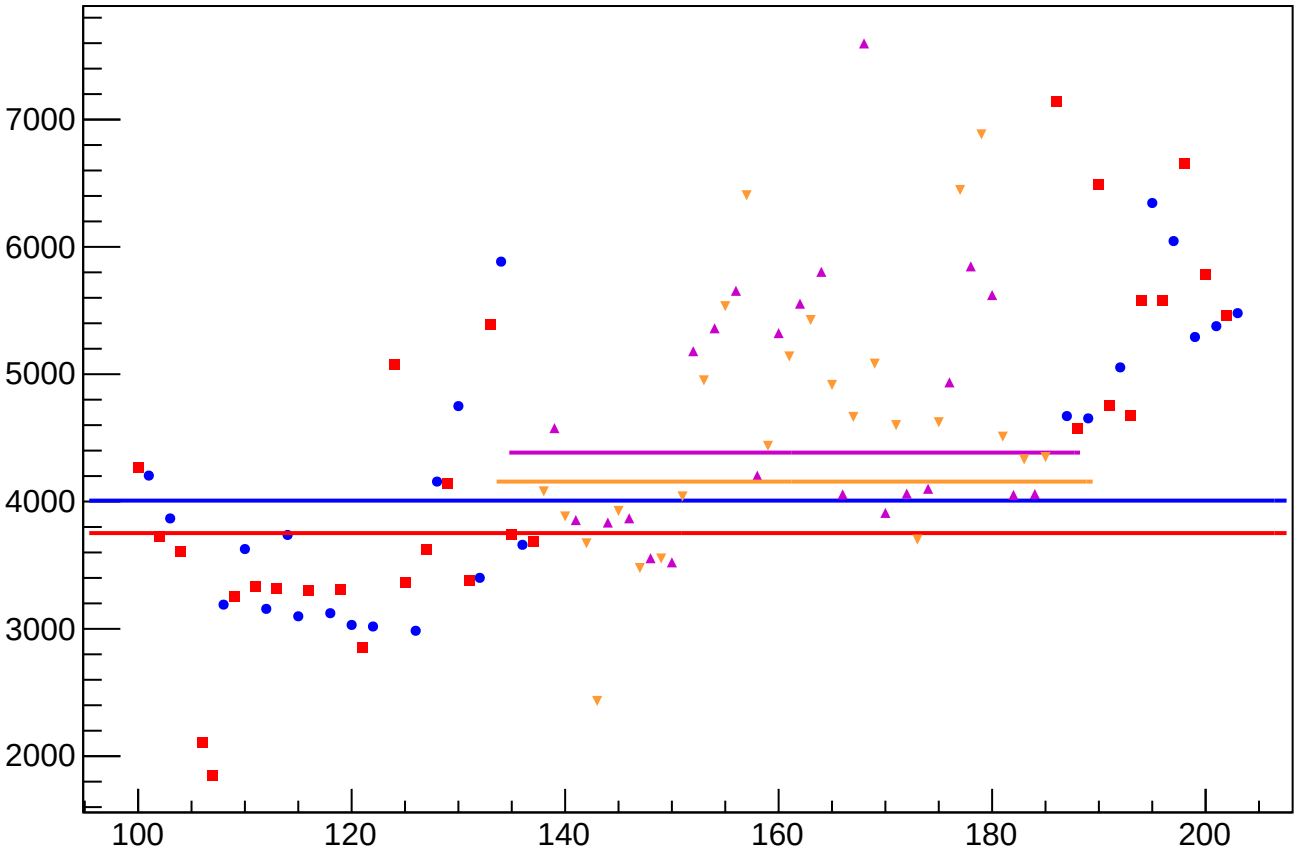
Left: 6.422+/-713.925 χ^2/NDF: 42.4/47

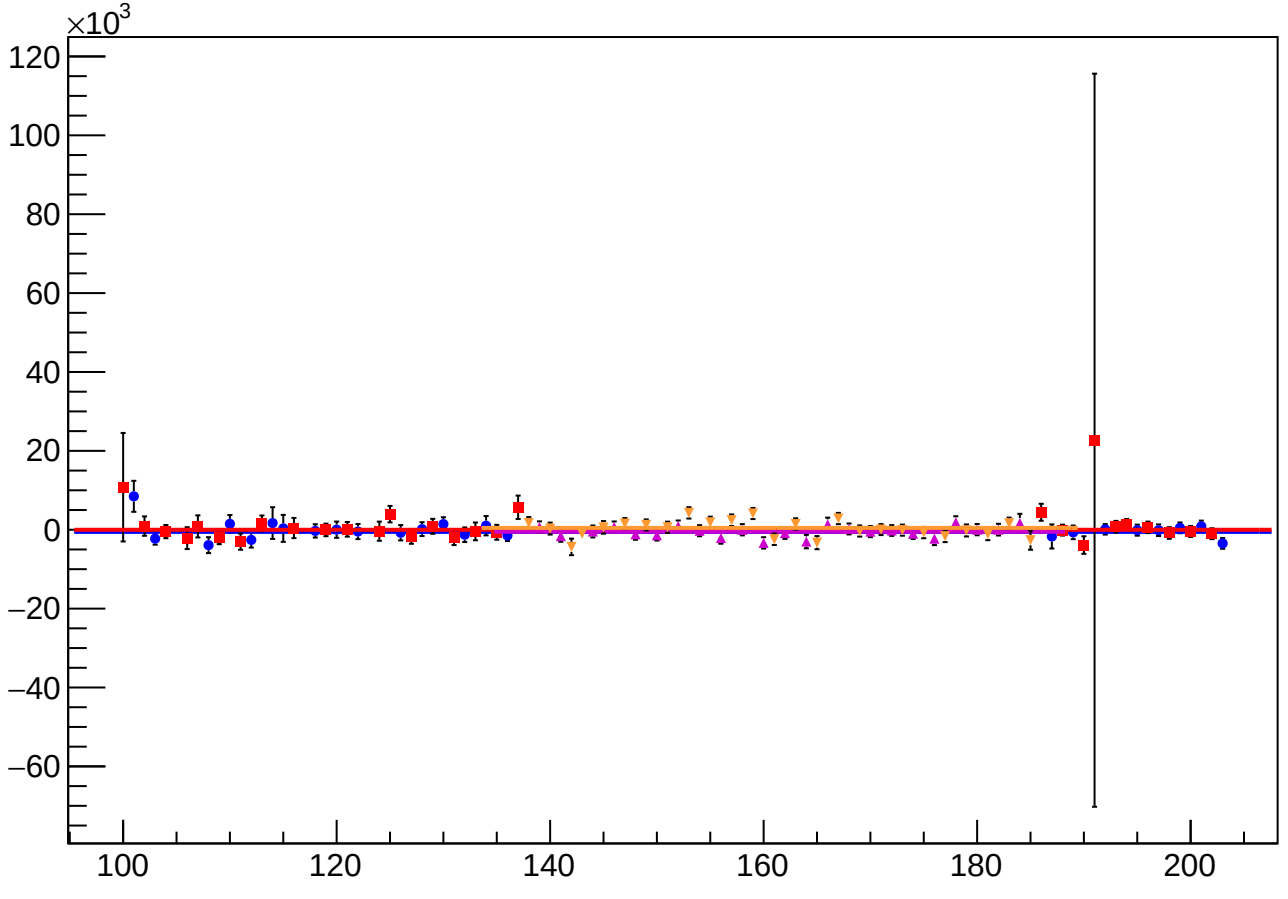
Right: 982.303+/-766.209 χ^2/NDF: 57.6/52

In: 353.436+/-770.136 χ^2/NDF:40.2/46

Out: 550.652+/-710.793 χ^2/NDF:60.6/53

All: 459.934+/-522.328 χ^2/NDF: 100.8/100


asym_at1_avg_at2_avg_dd_dit_correction_rms vs Slug, Sign Corrected
7000
6000
5000
4000
3000
2000
100
120
140
160
180
200
Right In: 4007.247+/-0.805 χ²/NDF: 1521072.4/23
Left Out: 4156.582+/-0.691 χ²/NDF:2080766.1/24
Right Out: 3752.152+/-0.732 χ²/NDF: 2726333.6/28
Left In: 4384.323+/-0.739 χ²/NDF:1255470.8/22
Left: 4262.773+/-0.505 χ²/NDF: 3386885.6/47
Right: 3867.646+/-0.542 χ²/NDF: 4302332.4/52
In: 4211.848+/-0.545 χ²/NDF:2895538.2/46
Out: 3966.113+/-0.503 χ²/NDF:4968424.5/53
All: 4079.149+/-0.369 χ²/NDF: 7973920.5/10



Right In: -539.413+/-362.408 χ^2/NDF: 20.7/23

Left Out: 467.933+/-294.257 χ^2/NDF:44.1/24

Right Out: -10.937+/-349.986 χ^2/NDF: 24.7/28

Left In: -503.558+/-307.056 χ^2/NDF:17.4/22

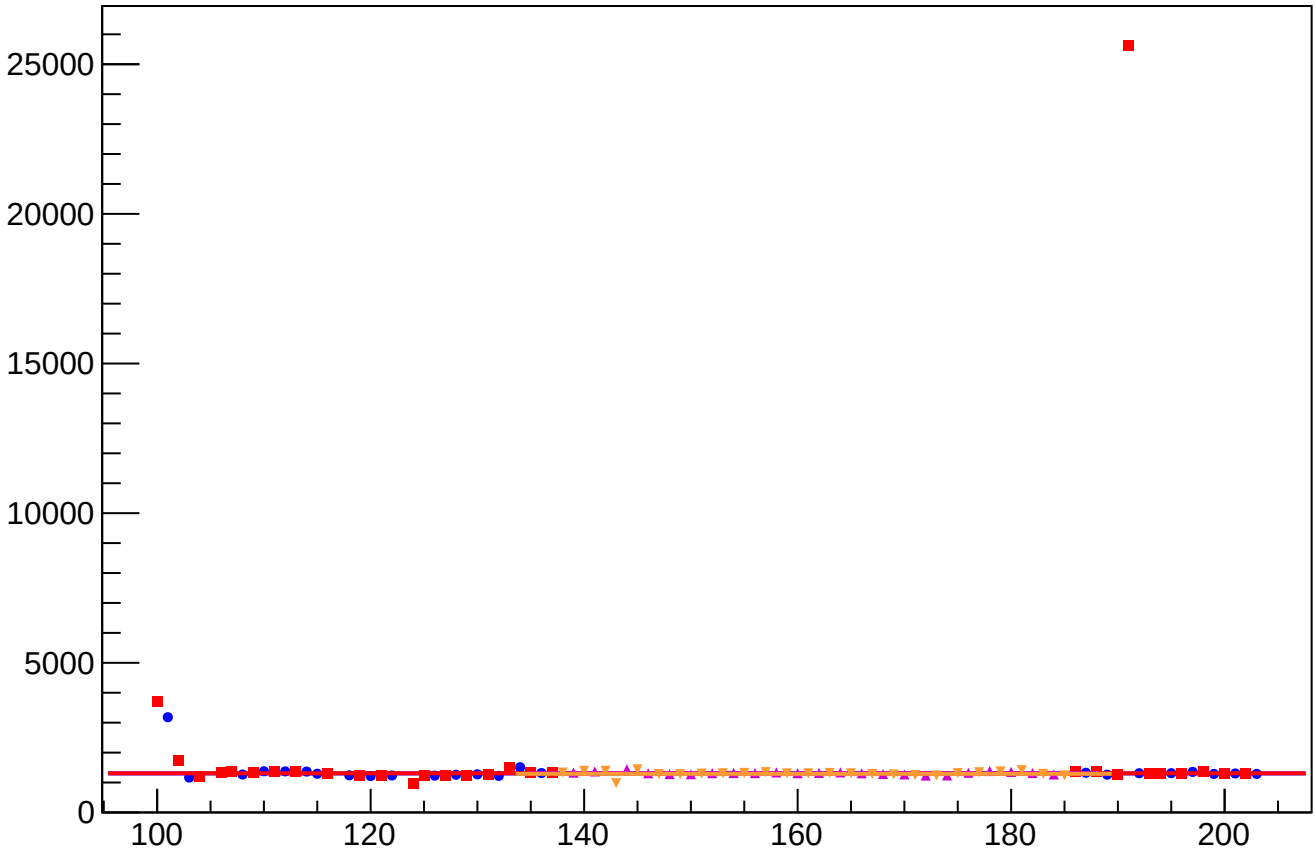
Left: 2.855+/-212.452 χ^2/NDF: 66.7/47

Right: -265.962+/-251.755 χ^2/NDF: 46.5/52

In: -518.541+/-234.274 χ^2/NDF:38.1/46

Out: 269.614+/-225.229 χ^2/NDF:69.9/53

All: -108.956+/-162.364 χ^2/NDF: 113.9/100



Right In: 1304.314+/-0.256 χ^2/NDF: 514914.3/23

Left Out: 1291.212+/-0.208 χ^2/NDF:230737.6/24

Right Out: 1308.723+/-0.247 χ^2/NDF: 363342.6/28

Left In: 1314.007+/-0.217 χ^2/NDF:43046.8/22

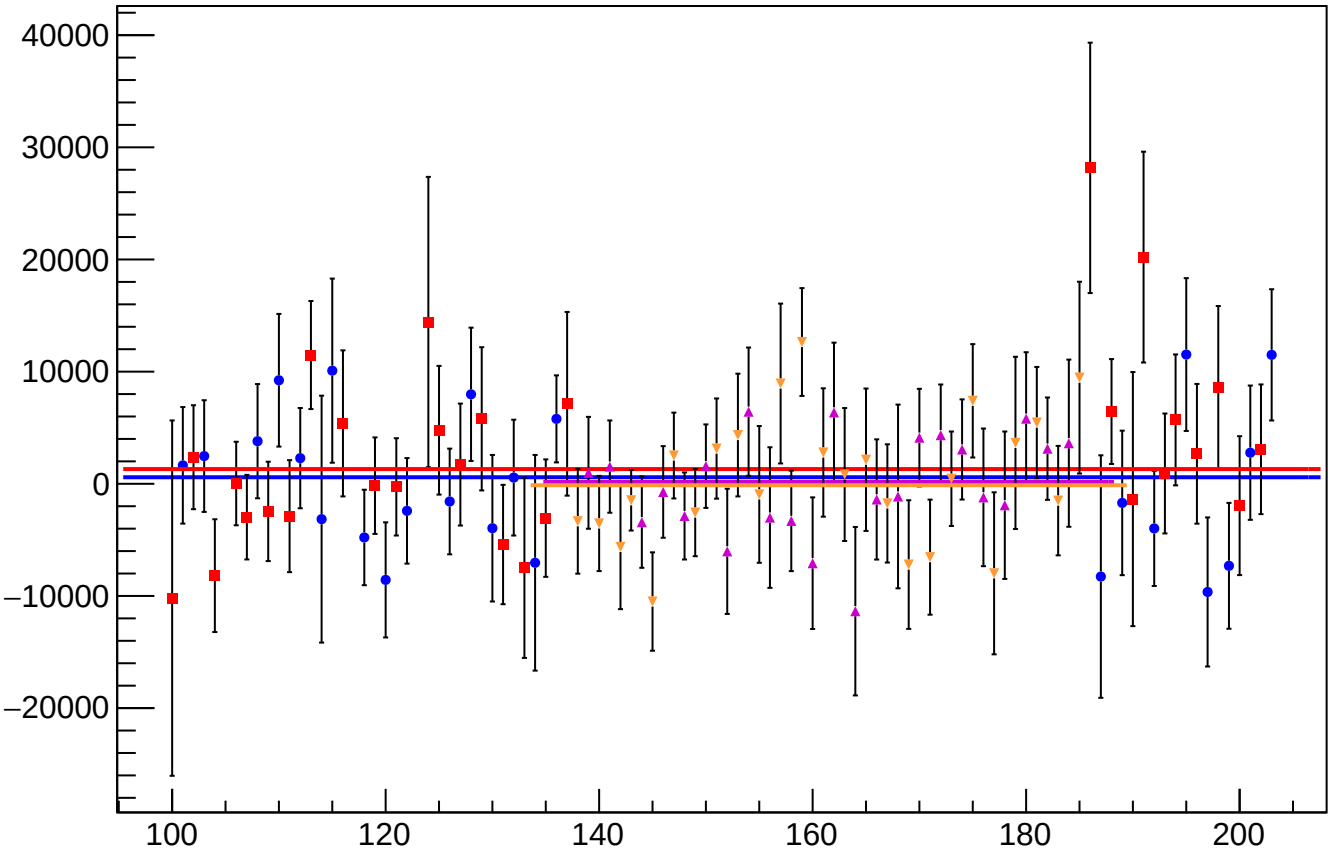
Left: 1302.125+/-0.150 χ^2/NDF: 279530.2/47

Right: 1306.597+/-0.178 χ^2/NDF: 878410.1/52

In: 1309.957+/-0.166 χ^2/NDF:558793.9/46

Out: 1298.467+/-0.159 χ^2/NDF:597014.9/53

All: 1303.985+/-0.115 χ^2/NDF: 1158309.0/10



Right In: 583.543+/-1138.724 χ^2/NDF: 26.3/23

Left Out: -127.271+/-977.232 χ^2/NDF:28.6/24

Right Out: 1312.187+/-1035.745 χ^2/NDF: 31.0/28

Left In: 159.454+/-1045.511 χ^2/NDF:13.8/22

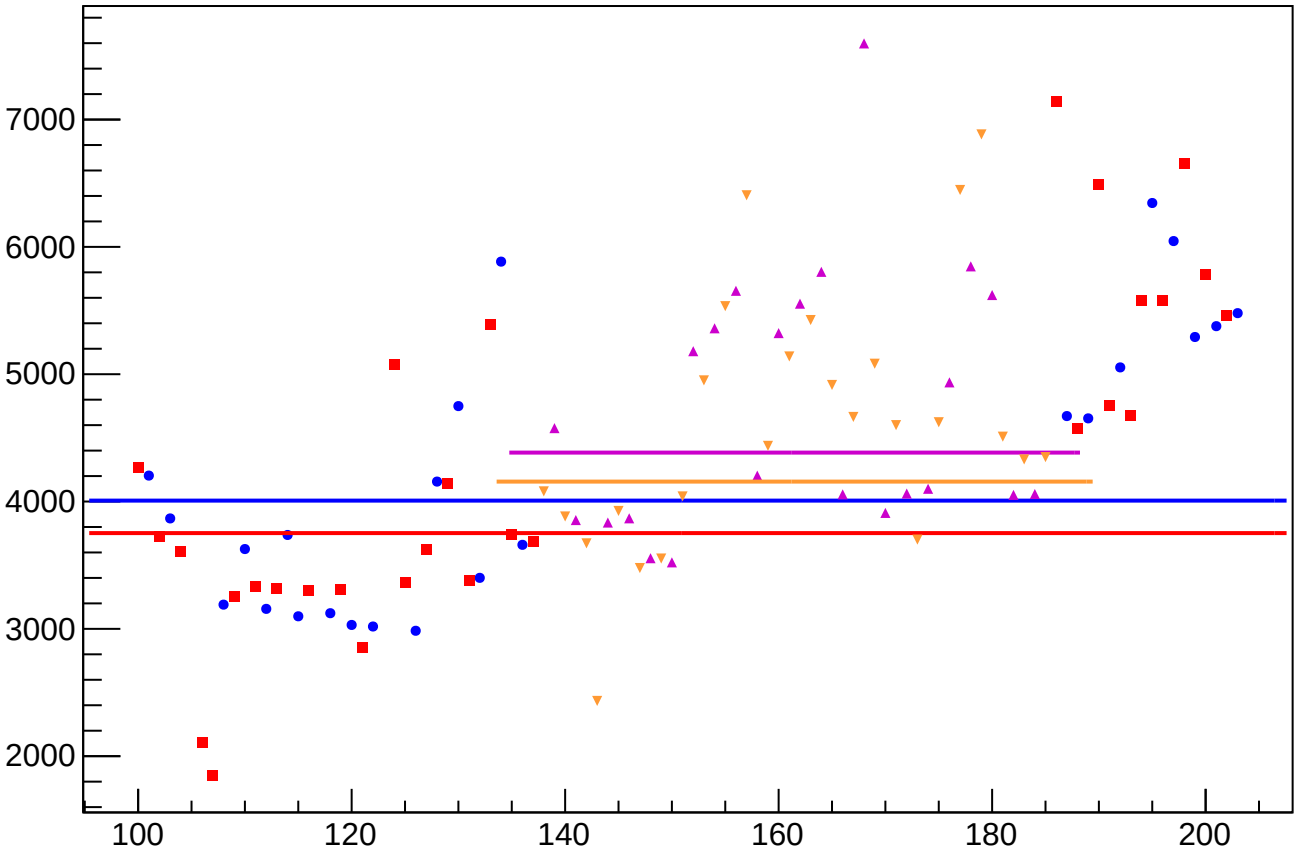
Left: 6.424+/-713.926 χ^2/NDF: 42.4/47

Right: 982.295+/-766.208 χ^2/NDF: 57.6/52

In: 353.433+/-770.137 χ^2/NDF:40.2/46

Out: 550.652+/-710.793 χ^2/NDF:60.6/53

All: 459.933+/-522.328 χ^2/NDF: 100.8/100



Right In: 4007.239+/-0.805 χ^2/NDF: 1521095.9/23

Left Out: 4156.588+/-0.691 χ^2/NDF:2080769.0/24

Right Out: 3752.145+/-0.732 χ^2/NDF: 2726354.9/28

Left In: 4384.329+/-0.739 χ^2/NDF:1255475.0/22

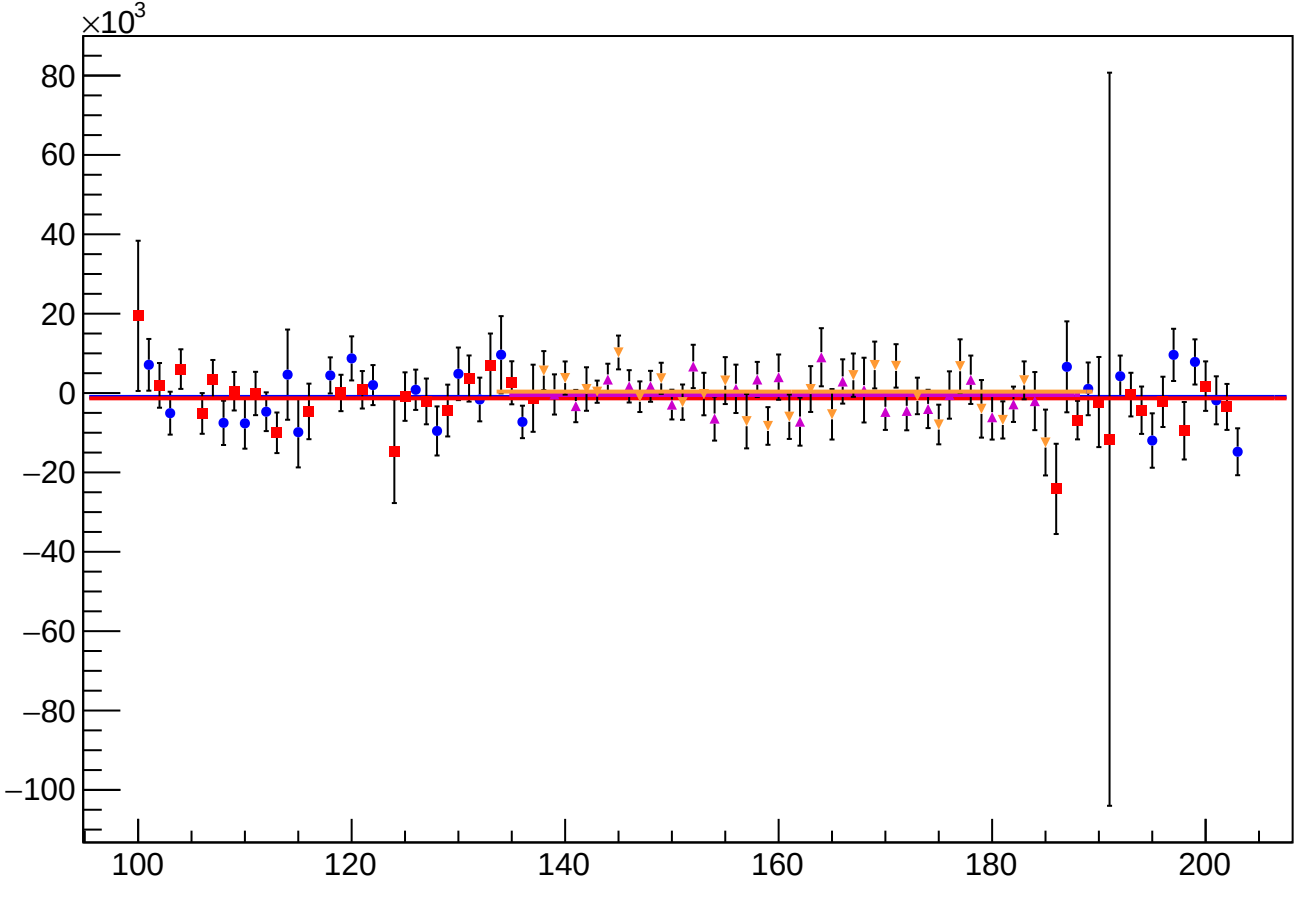
Left: 4262.780+/-0.505 χ^2/NDF: 3386892.6/47

Right: 3867.638+/-0.542 χ^2/NDF: 4302377.2/52

In: 4211.848+/-0.545 χ^2/NDF:2895574.8/46

Out: 3966.113+/-0.503 χ^2/NDF:4968459.5/53

All: 4079.149+/-0.369 χ^2/NDF: 7973992.3/10



Right In: -977.578+/-1206.984 χ^2/NDF: 32.2/23

Left Out: 362.528+/-979.860 χ^2/NDF:27.7/24

Right Out: -1332.758+/-1133.113 χ^2/NDF: 19.6/28

Left In: -497.522+/-1044.707 χ^2/NDF:13.9/22

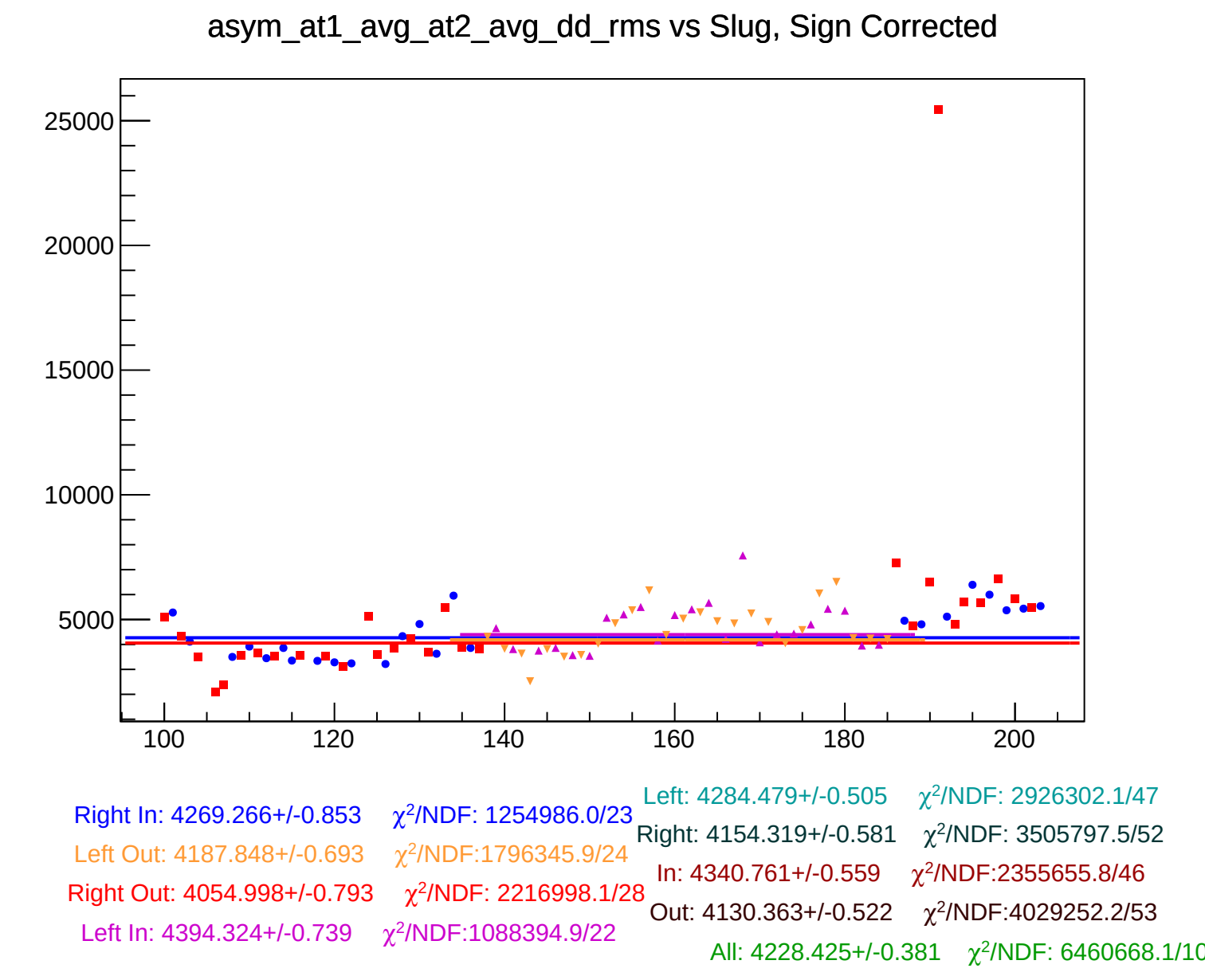
Left: -39.978+/-714.692 χ^2/NDF: 41.9/47

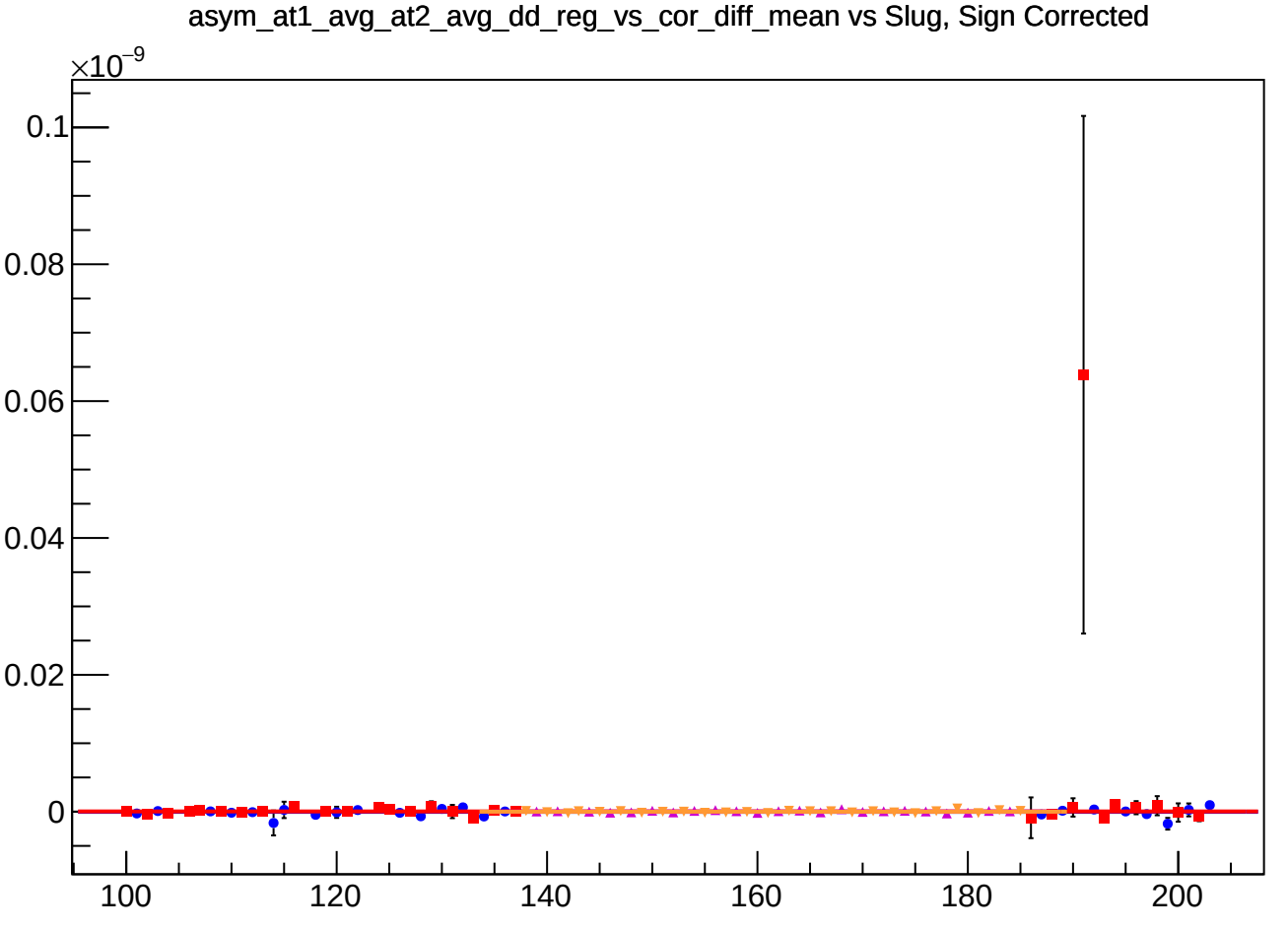
Right: -1166.369+/-826.113 χ^2/NDF: 51.9/52

In: -703.132+/-789.909 χ^2/NDF:46.2/46

Out: -362.801+/-741.172 χ^2/NDF:48.6/53

All: -522.144+/-540.497 χ^2/NDF: 94.9/100


asym_at1_avg_at2_avg_dd_rms vs Slug, Sign Corrected
25000
20000
15000
10000
5000
100
120
140
160
180
200
Right In: 4269.266+/-0.853 χ²/NDF: 1254986.0/23
Left Out: 4187.848+/-0.693 χ²/NDF:1796345.9/24
Right Out: 4054.998+/-0.793 χ²/NDF: 2216998.1/28
Left In: 4394.324+/-0.739 χ²/NDF:1088394.9/22
Left: 4284.479+/-0.505 χ²/NDF: 2926302.1/47
Right: 4154.319+/-0.581 χ²/NDF: 3505797.5/52
In: 4340.761+/-0.559 χ²/NDF:2355655.8/46
Out: 4130.363+/-0.522 χ²/NDF:4029252.2/53
All: 4228.425+/-0.381 χ²/NDF: 6460668.1/10



Right In: -0.000+/-0.000 χ^2/NDF: 27.8/23

Left Out: -0.000+/-0.000 χ^2/NDF:30.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 27.3/28

Left In: 0.000+/-0.000 χ^2/NDF:17.0/22

Left: 0.000+/-0.000 χ^2/NDF: 48.0/47

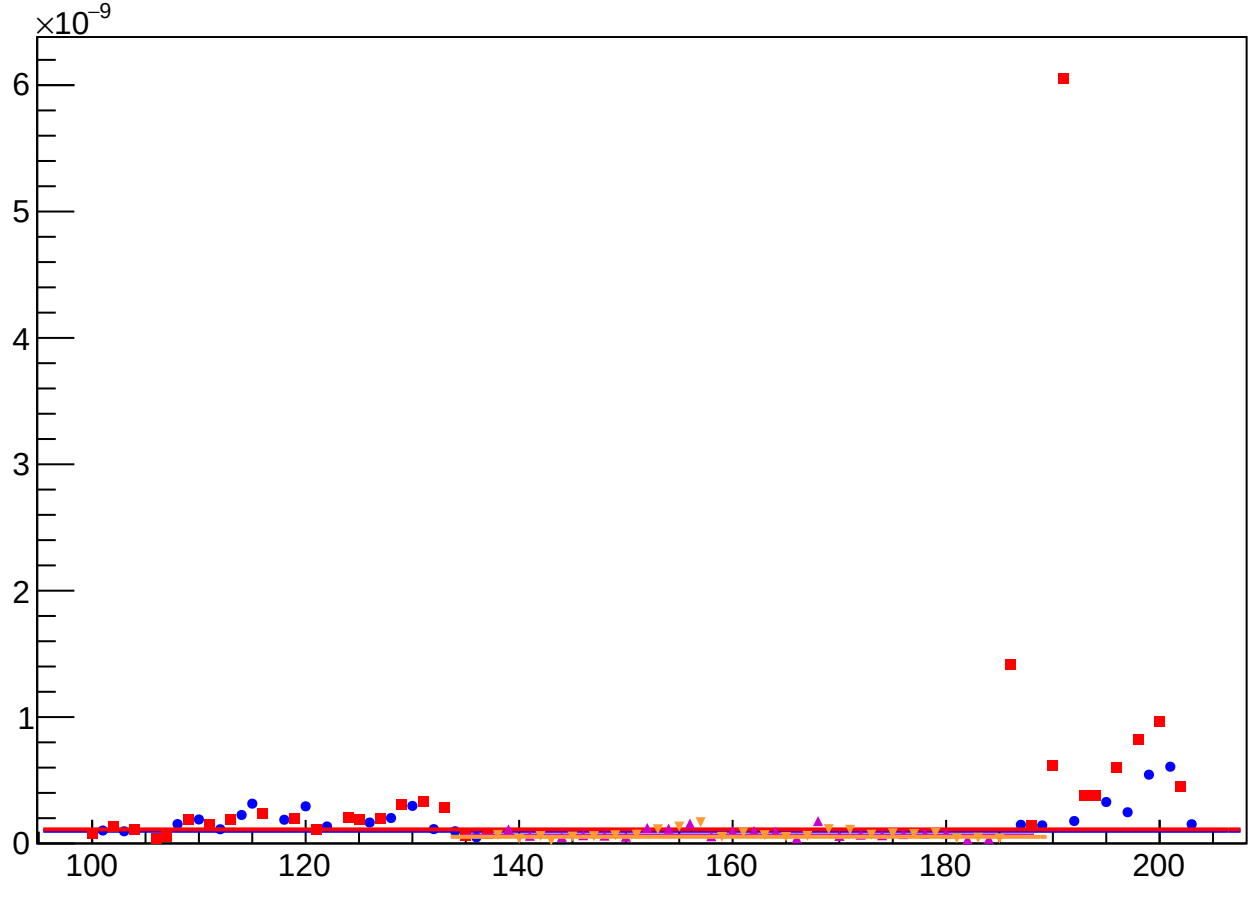
Right: 0.000+/-0.000 χ^2/NDF: 55.6/52

In: 0.000+/-0.000 χ^2/NDF:45.4/46

Out: 0.000+/-0.000 χ^2/NDF:58.0/53

All: 0.000+/-0.000 χ^2/NDF: 103.6/100

asym_at1_avg_at2_avg_dd_reg_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 3122720.1/23

Left Out: 0.000+/-0.000 χ^2/NDF:2628519.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 5500273.4/28

Left In: 0.000+/-0.000 χ^2/NDF:1788279.2/22

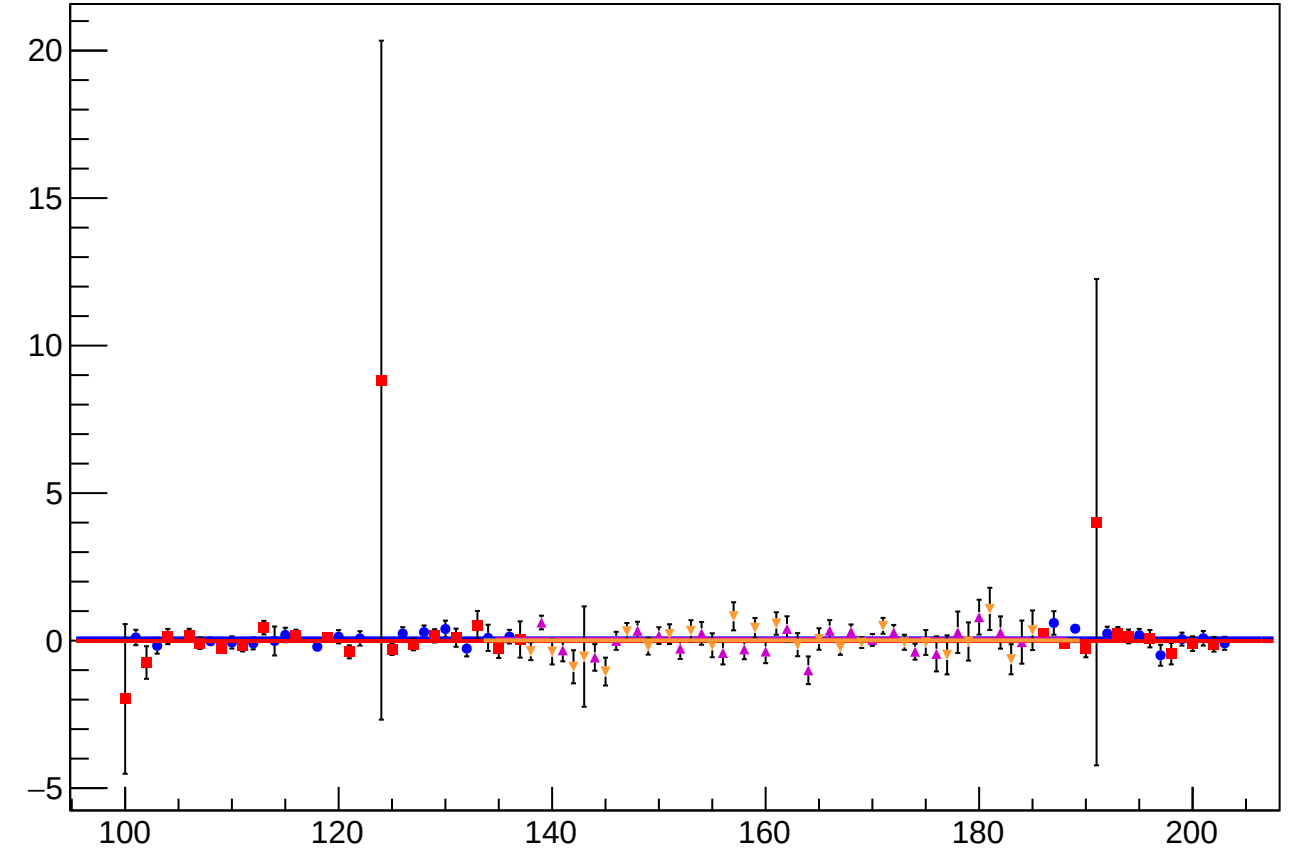
Left: 0.000+/-0.000 χ^2/NDF: 4618450.3/47

Right: 0.000+/-0.000 χ^2/NDF: 8657067.7/52

In: 0.000+/-0.000 χ^2/NDF:5618775.2/46

Out: 0.000+/-0.000 χ^2/NDF:9745255.7/53

All: 0.000+/-0.000 χ^2/NDF: 15590909.7/100



Right In: 0.076+/-0.047 χ^2/NDF: 20.4/23

Left Out: 0.009+/-0.071 χ^2/NDF:28.9/24

Right Out: -0.014+/-0.041 χ^2/NDF: 29.3/28

Left In: 0.053+/-0.070 χ^2/NDF:27.8/22

Left: 0.032+/-0.050 χ^2/NDF: 56.8/47

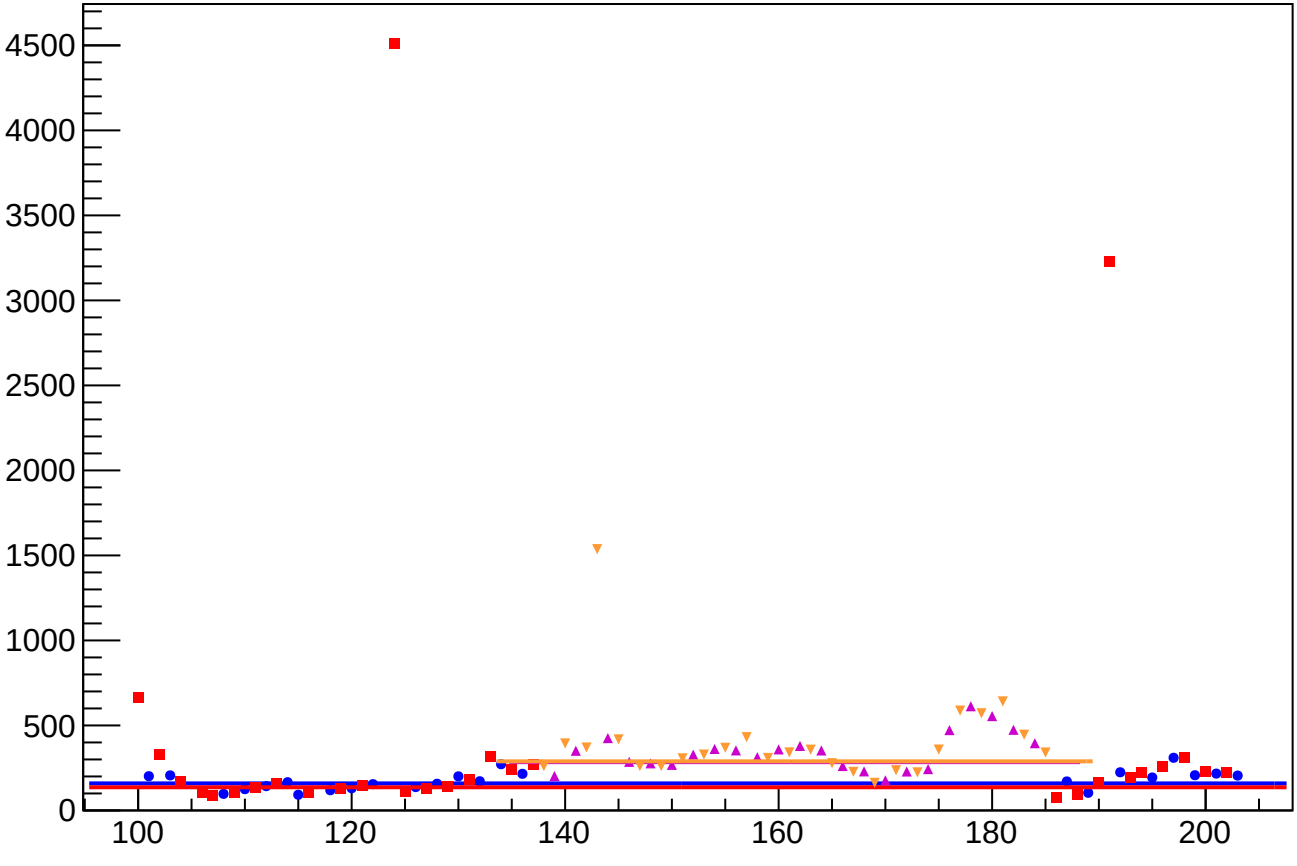
Right: 0.025+/-0.031 χ^2/NDF: 51.9/52

In: 0.069+/-0.039 χ^2/NDF:48.3/46

Out: -0.008+/-0.035 χ^2/NDF:58.3/53

All: 0.027+/-0.026 χ^2/NDF: 108.7/100

asym_at1_avg_at2_avg_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 159.097+/-0.033 χ^2/NDF: 2214803.8/23

Left Out: 288.922+/-0.050 χ^2/NDF:4648197.0/24

Right Out: 136.314+/-0.029 χ^2/NDF: 4527611.9/28

Left In: 284.168+/-0.050 χ^2/NDF:3077521.1/22

Left: 286.524+/-0.035 χ^2/NDF: 7730236.9/47

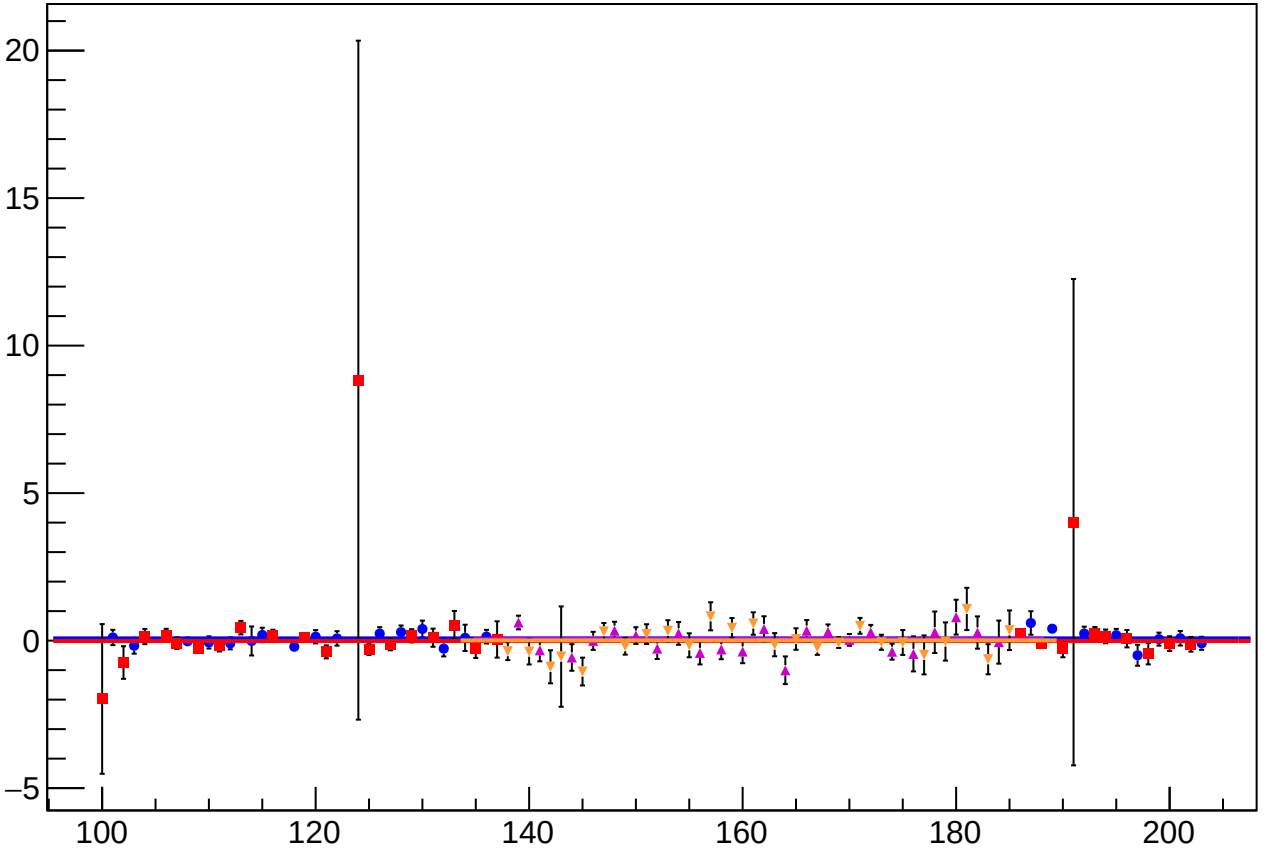
Right: 146.152+/-0.022 χ^2/NDF: 7011001.1/52

In: 197.499+/-0.028 χ^2/NDF:9666024.7/46

Out: 174.260+/-0.025 χ^2/NDF:16114590.7/53

All: 184.759+/-0.019 χ^2/NDF: 26169667.9/10

asym_at1_avg_at2_avg_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.076+/-0.047 χ^2/NDF: 20.4/23

Left Out: 0.009+/-0.071 χ^2/NDF:28.9/24

Right Out: -0.014+/-0.041 χ^2/NDF: 29.3/28

Left In: 0.053+/-0.070 χ^2/NDF:27.8/22

Left: 0.032+/-0.050 χ^2/NDF: 56.8/47

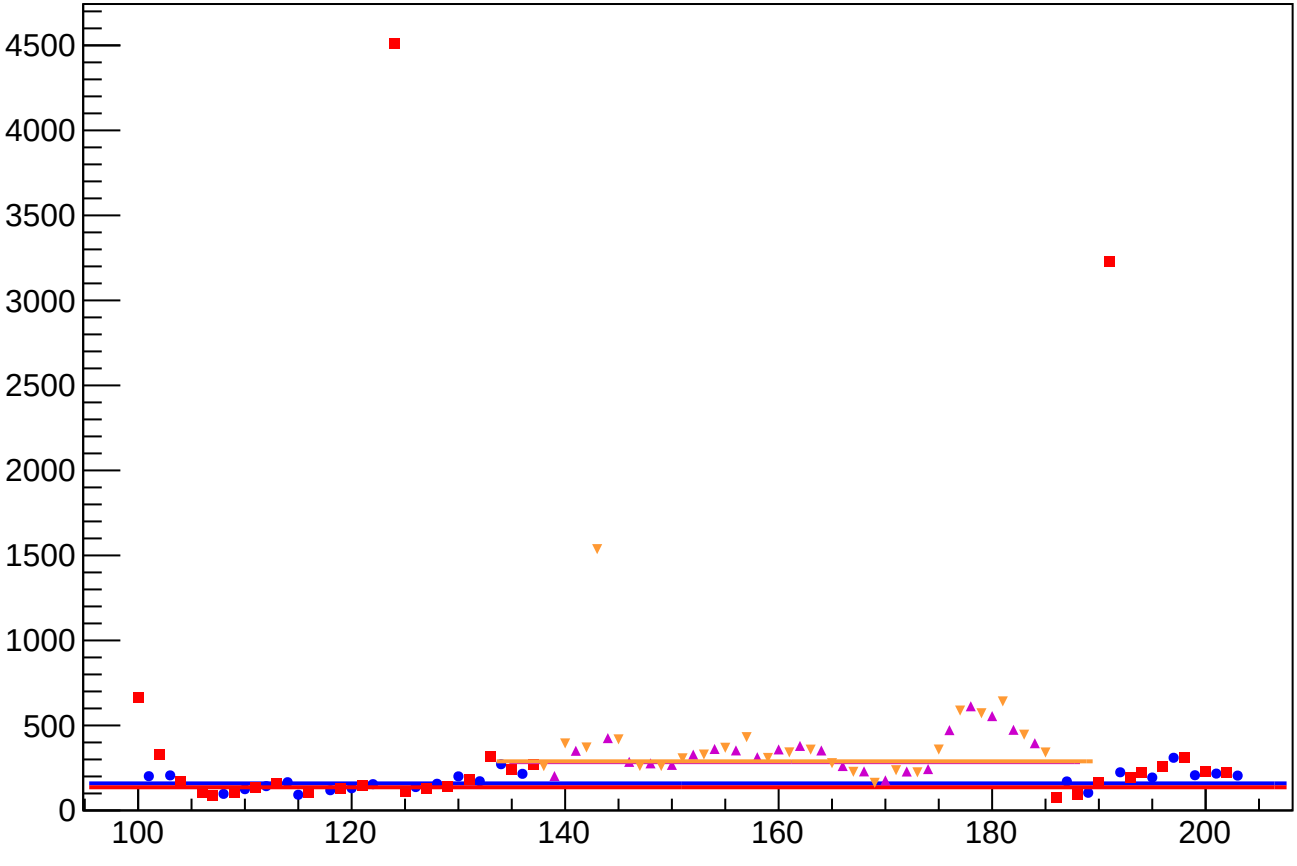
Right: 0.025+/-0.031 χ^2/NDF: 51.9/52

In: 0.069+/-0.039 χ^2/NDF:48.3/46

Out: -0.008+/-0.035 χ^2/NDF:58.3/53

All: 0.027+/-0.026 χ^2/NDF: 108.7/100

asym_at1_avg_at2_avg_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 159.097+/-0.033 χ^2/NDF: 2214803.8/23

Left Out: 288.922+/-0.050 χ^2/NDF:4648197.0/24

Right Out: 136.314+/-0.029 χ^2/NDF: 4527611.9/28

Left In: 284.168+/-0.050 χ^2/NDF:3077521.1/22

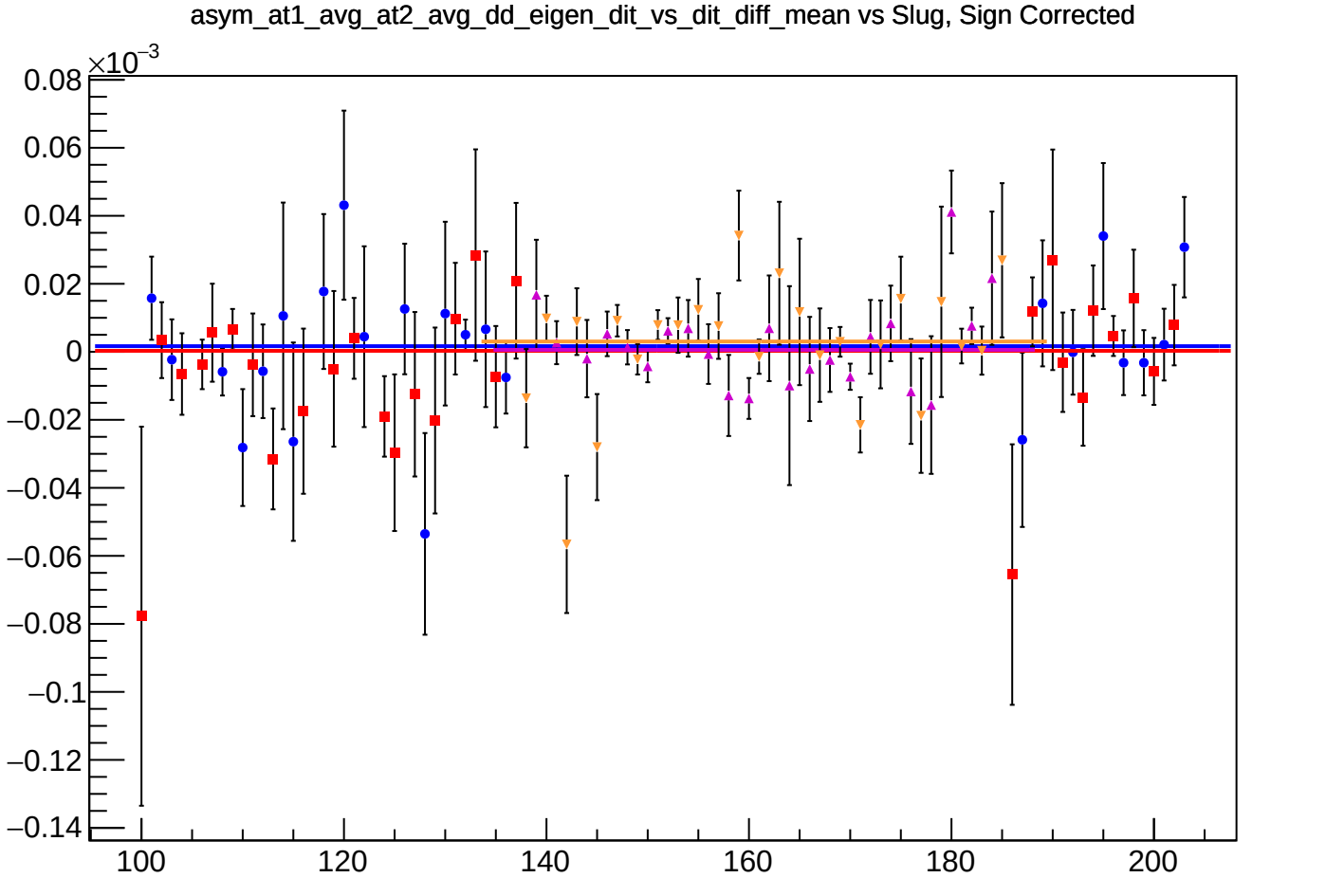
Left: 286.524+/-0.035 χ^2/NDF: 7730236.9/47

Right: 146.152+/-0.022 χ^2/NDF: 7011001.1/52

In: 197.499+/-0.028 χ^2/NDF:9666024.7/46

Out: 174.260+/-0.025 χ^2/NDF:16114590.7/53

All: 184.759+/-0.019 χ^2/NDF: 26169667.9/10



Right In: 0.000+/-0.000 χ^2/NDF: 23.2/23

Left Out: 0.000+/-0.000 χ^2/NDF:42.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 25.9/28

Left In: 0.000+/-0.000 χ^2/NDF:33.2/22

Left: 0.000+/-0.000 χ^2/NDF: 76.7/47

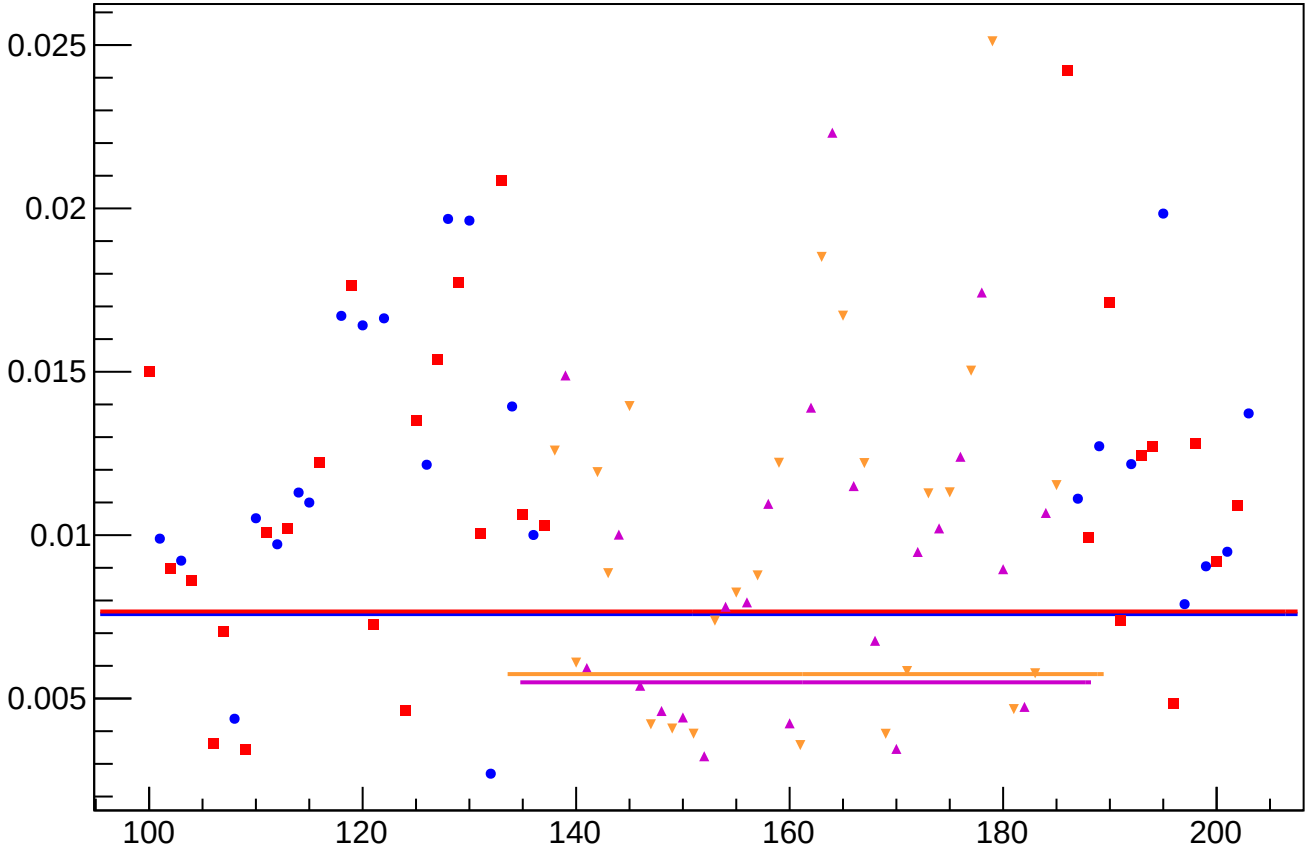
Right: 0.000+/-0.000 χ^2/NDF: 49.3/52

In: 0.000+/-0.000 χ^2/NDF:56.6/46

Out: 0.000+/-0.000 χ^2/NDF:69.1/53

All: 0.000+/-0.000 χ^2/NDF: 126.2/100

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: 6556165.2/23

Left Out: 0.006+/-0.000 χ^2/NDF:8128513.8/24

Right Out: 0.008+/-0.000 χ^2/NDF: 5592055.6/28

Left In: 0.005+/-0.000 χ^2/NDF:6937299.0/22

Left: 0.006+/-0.000 χ^2/NDF: 15093250.6/47

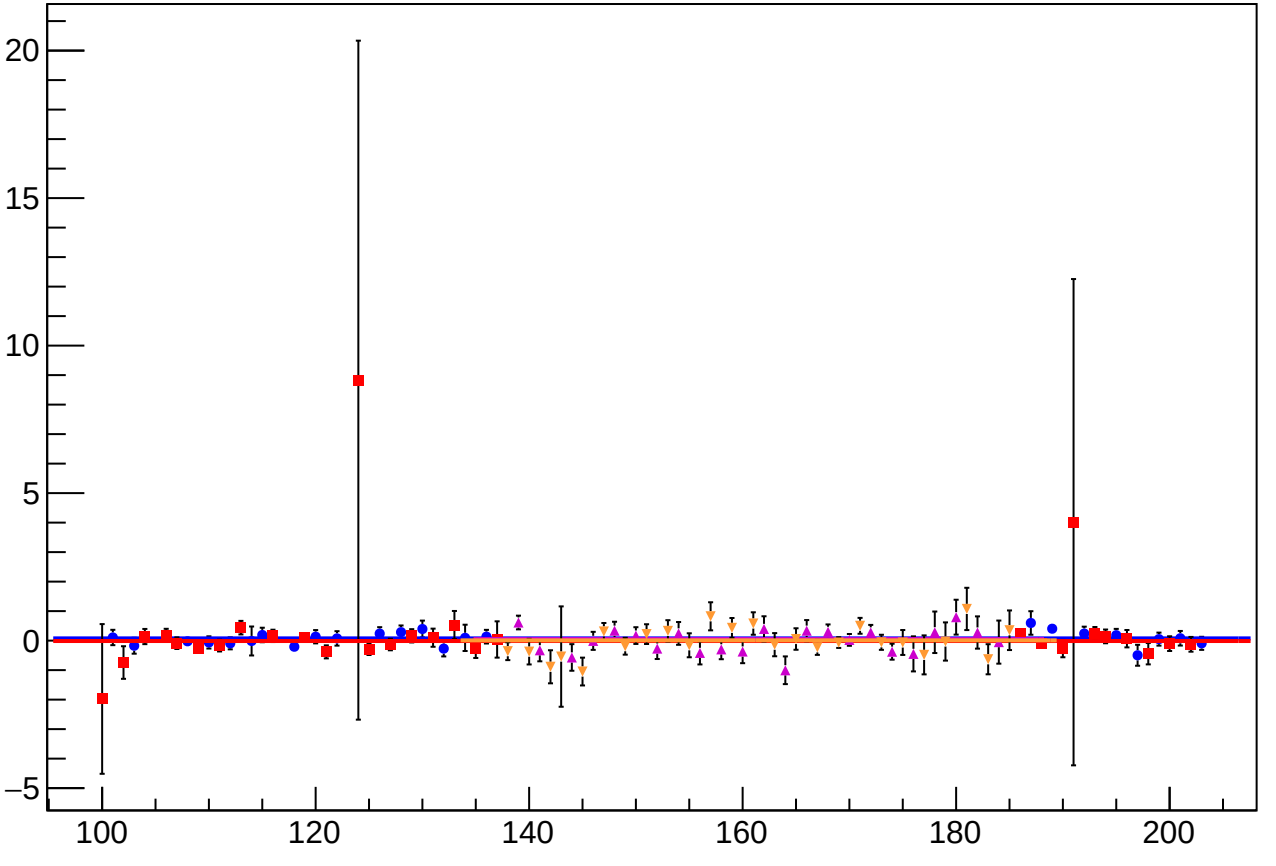
Right: 0.008+/-0.000 χ^2/NDF: 12149351.7/52

In: 0.006+/-0.000 χ^2/NDF:14537234.9/46

Out: 0.006+/-0.000 χ^2/NDF:14682246.1/53

All: 0.006+/-0.000 χ^2/NDF: 29260174.0/100

asym_at1_avg_at2_avg_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.076+/-0.047 χ^2/NDF: 20.4/23

Left Out: 0.009+/-0.071 χ^2/NDF:28.9/24

Right Out: -0.014+/-0.041 χ^2/NDF: 29.3/28

Left In: 0.053+/-0.070 χ^2/NDF:27.8/22

Left: 0.032+/-0.050 χ^2/NDF: 56.8/47

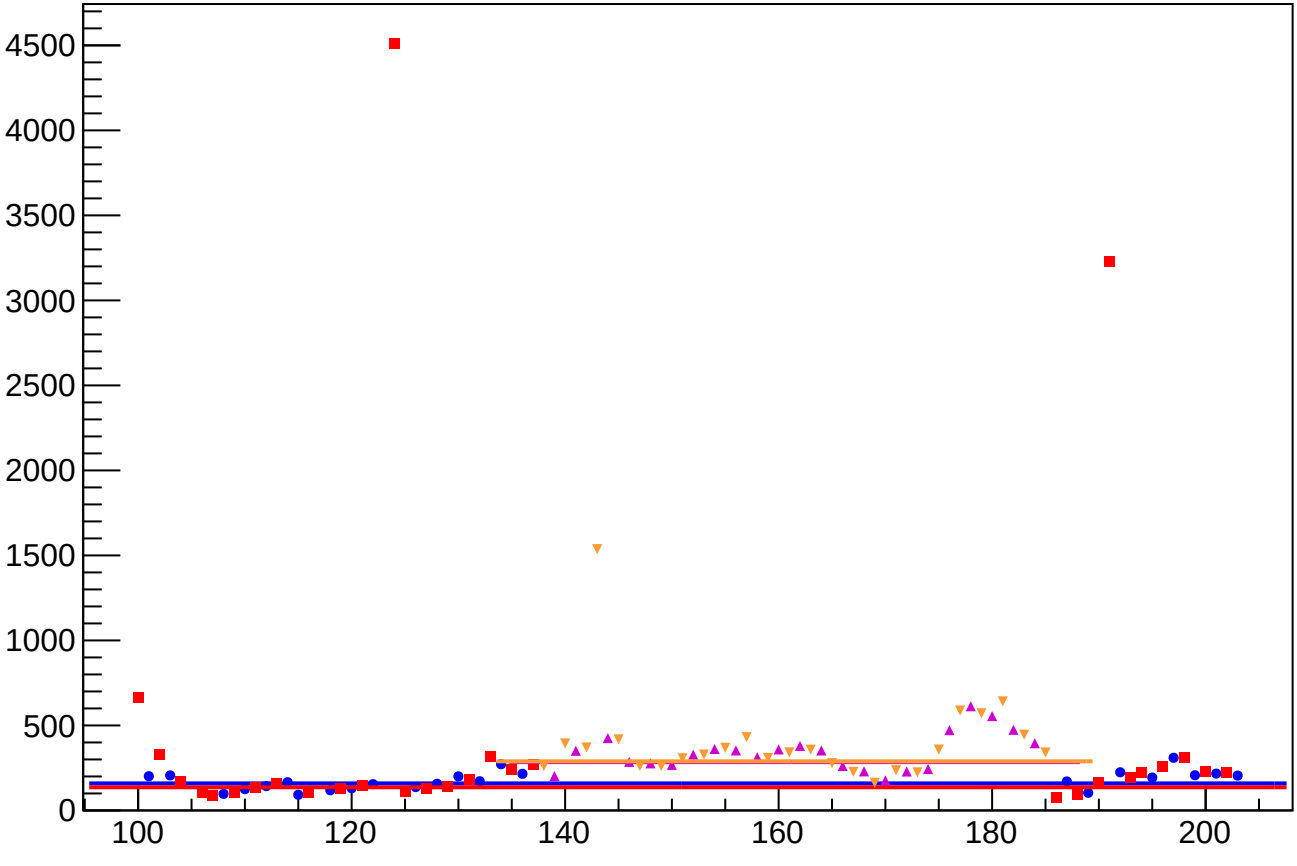
Right: 0.025+/-0.031 χ^2/NDF: 51.8/52

In: 0.069+/-0.039 χ^2/NDF:48.3/46

Out: -0.008+/-0.035 χ^2/NDF:58.3/53

All: 0.027+/-0.026 χ^2/NDF: 108.7/100

asym_at1_avg_at2_avg_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 159.097+/-0.033 χ^2/NDF: 2214809.2/23

Left Out: 288.922+/-0.050 χ^2/NDF:4648388.8/24

Right Out: 136.316+/-0.029 χ^2/NDF: 4527430.8/28

Left In: 284.170+/-0.050 χ^2/NDF:3077626.7/22

Left: 286.525+/-0.035 χ^2/NDF: 7730531.8/47

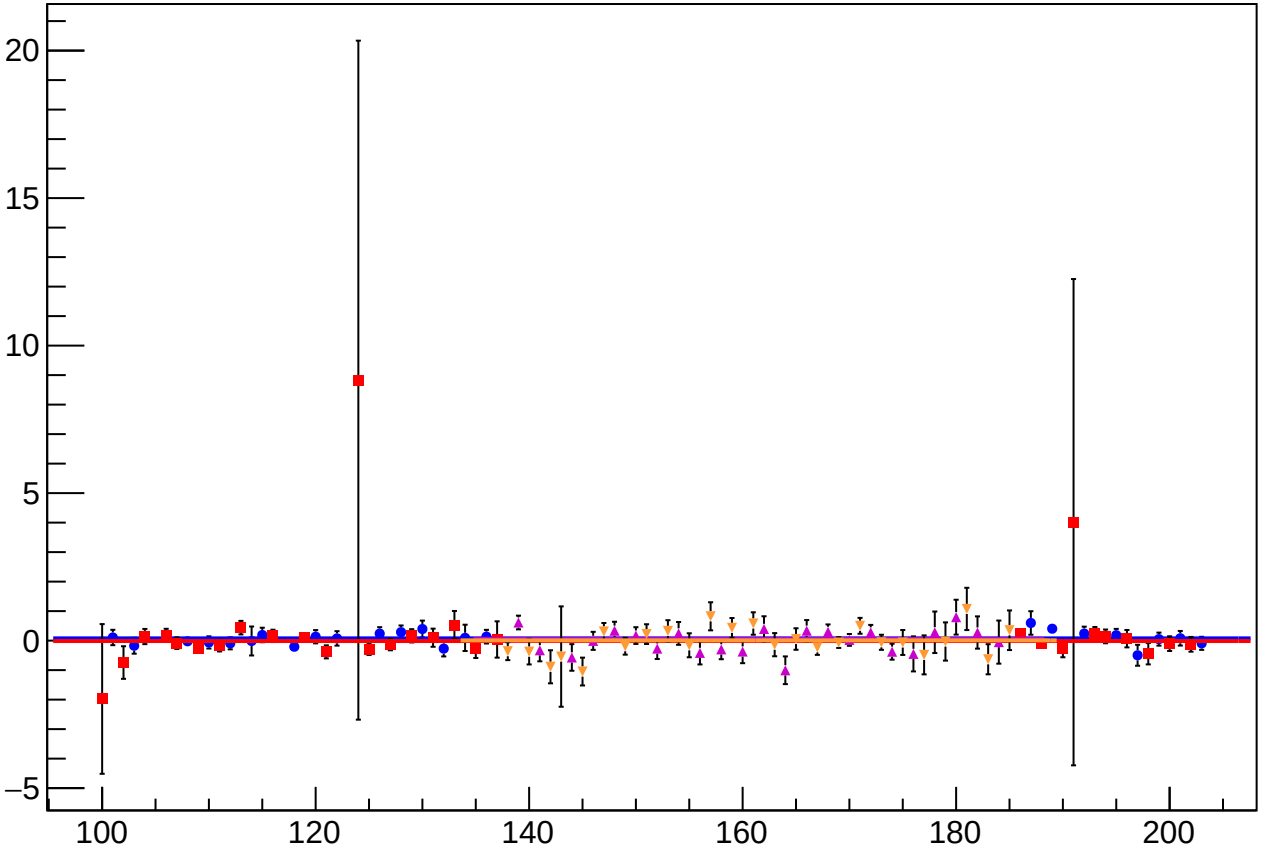
Right: 146.153+/-0.022 χ^2/NDF: 7010772.8/52

In: 197.498+/-0.028 χ^2/NDF:9666233.6/46

Out: 174.262+/-0.025 χ^2/NDF:16114392.7/53

All: 184.759+/-0.019 χ^2/NDF: 26169610.7/10

asym_at1_avg_at2_avg_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.076+/-0.047 χ^2/NDF: 20.4/23

Left Out: 0.009+/-0.071 χ^2/NDF:28.9/24

Right Out: -0.014+/-0.041 χ^2/NDF: 29.3/28

Left In: 0.053+/-0.070 χ^2/NDF:27.8/22

Left: 0.032+/-0.050 χ^2/NDF: 56.8/47

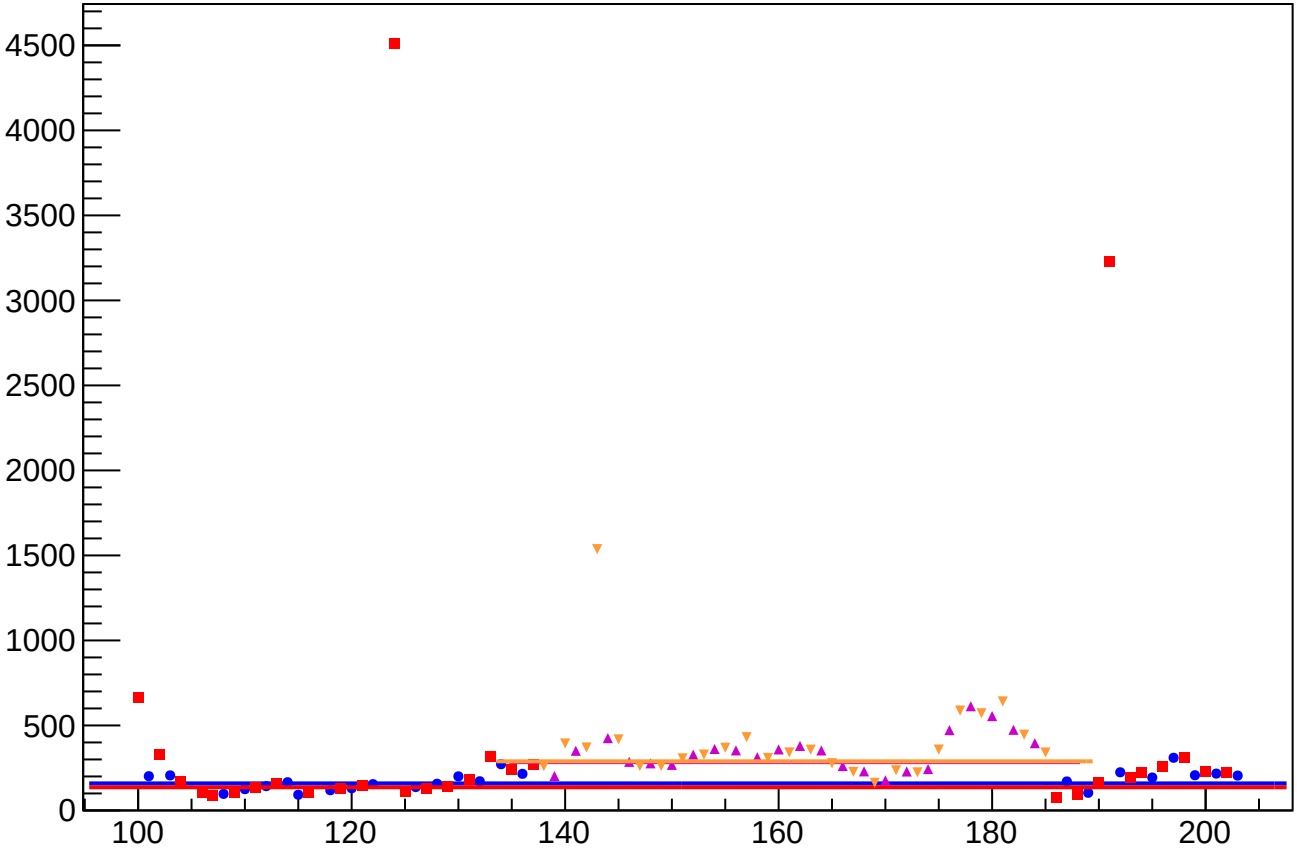
Right: 0.025+/-0.031 χ^2/NDF: 51.8/52

In: 0.069+/-0.039 χ^2/NDF:48.3/46

Out: -0.008+/-0.035 χ^2/NDF:58.3/53

All: 0.027+/-0.026 χ^2/NDF: 108.7/100

asym_at1_avg_at2_avg_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 159.097+/-0.033 χ^2/NDF: 2214809.2/23

Left Out: 288.922+/-0.050 χ^2/NDF:4648388.8/24

Right Out: 136.316+/-0.029 χ^2/NDF: 4527430.8/28

Left In: 284.170+/-0.050 χ^2/NDF:3077626.7/22

Left: 286.525+/-0.035 χ^2/NDF: 7730531.8/47

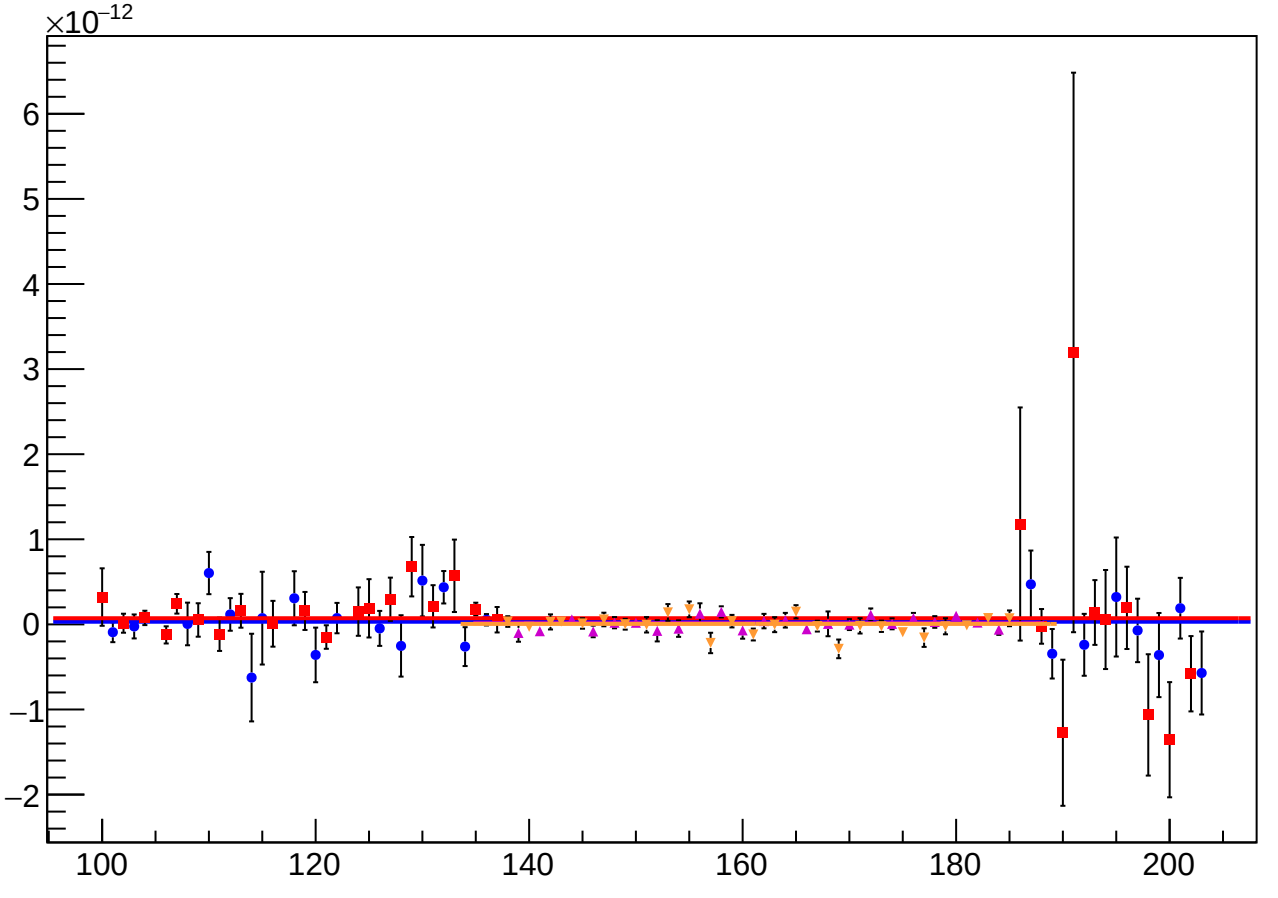
Right: 146.153+/-0.022 χ^2/NDF: 7010772.8/52

In: 197.498+/-0.028 χ^2/NDF:9666233.6/46

Out: 174.262+/-0.025 χ^2/NDF:16114392.7/53

All: 184.759+/-0.019 χ^2/NDF: 26169610.7/10

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: 25.1/23

Left Out: 0.000+/-0.000 χ^2/NDF:34.1/24

Right Out: 0.000+/-0.000 χ^2/NDF: 31.8/28

Left In: 0.000+/-0.000 χ^2/NDF:23.2/22

Left: 0.000+/-0.000 χ^2/NDF: 57.6/47

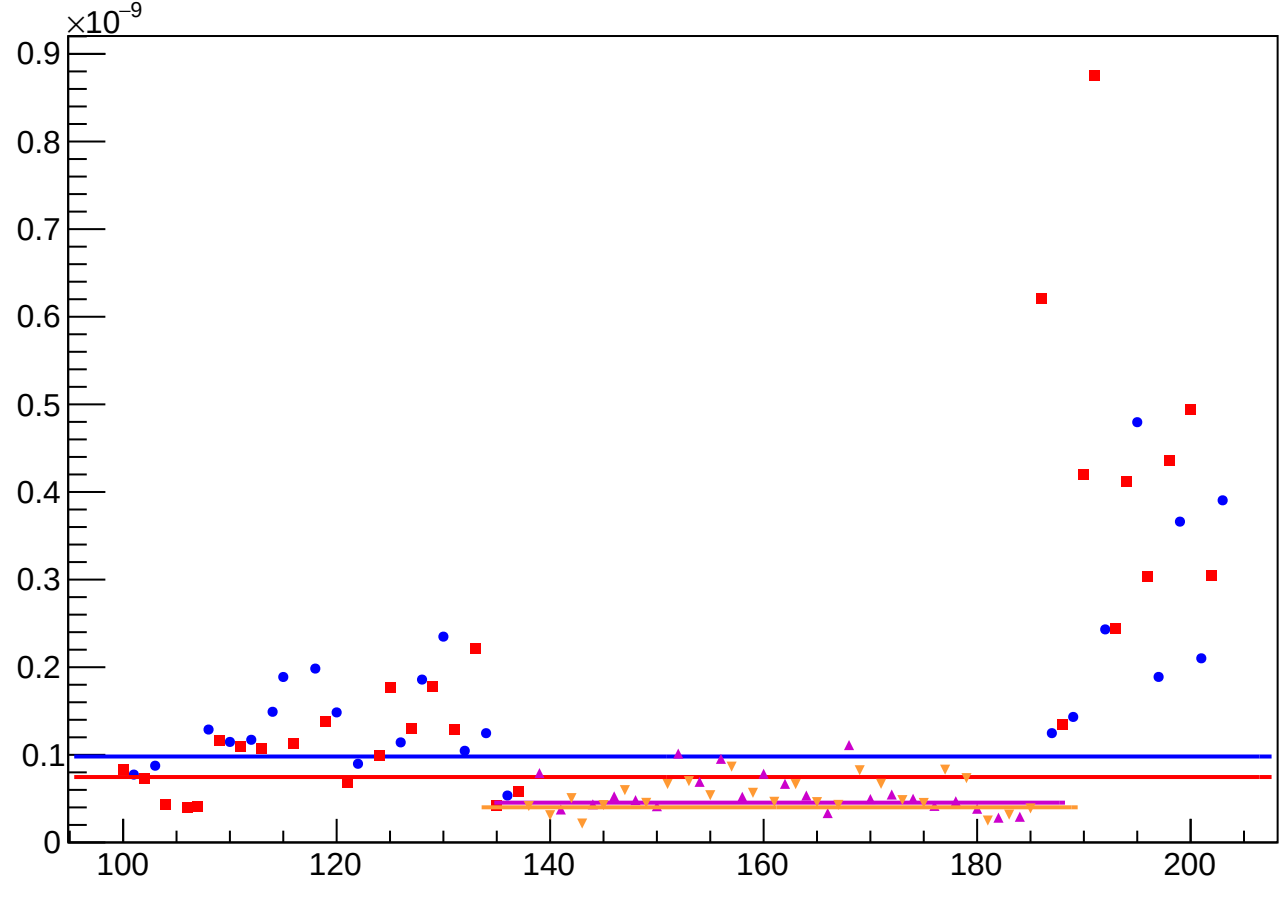
Right: 0.000+/-0.000 χ^2/NDF: 57.6/52

In: 0.000+/-0.000 χ^2/NDF:48.5/46

Out: 0.000+/-0.000 χ^2/NDF:69.5/53

All: 0.000+/-0.000 χ^2/NDF: 118.0/100

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: 4310749.4/23

Left Out: 0.000+/-0.000 χ^2/NDF:3609934.1/24

Right Out: 0.000+/-0.000 χ^2/NDF: 6578873.6/28

Left In: 0.000+/-0.000 χ^2/NDF:2780344.5/22

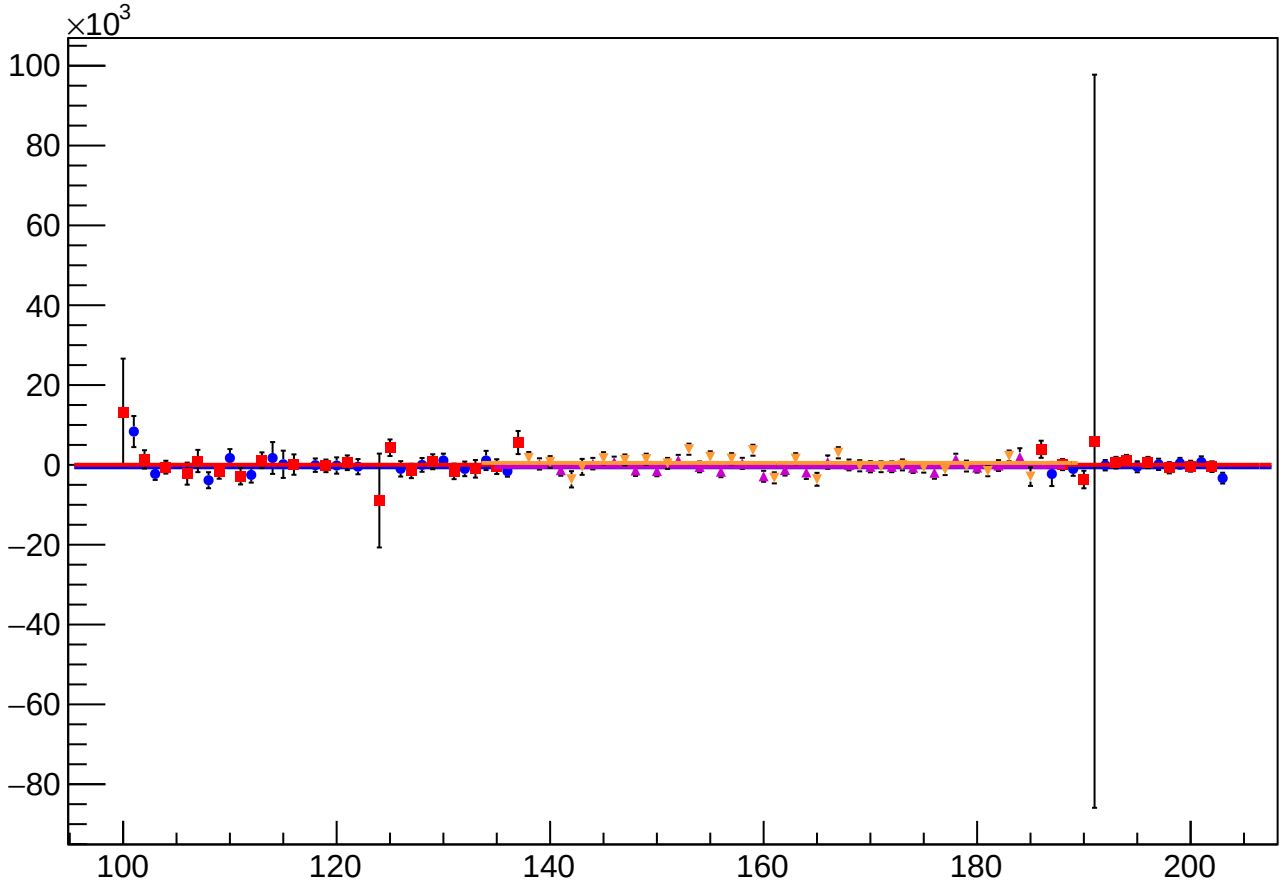
Left: 0.000+/-0.000 χ^2/NDF: 6559252.5/47

Right: 0.000+/-0.000 χ^2/NDF: 11284602.1/52

In: 0.000+/-0.000 χ^2/NDF:10080079.2/46

Out: 0.000+/-0.000 χ^2/NDF:12087690.0/53

All: 0.000+/-0.000 χ^2/NDF: 22445538.4/100



Right In: -598.215+/-357.099 χ^2/NDF: 20.2/23

Left Out: 492.062+/-288.495 χ^2/NDF:46.9/24

Right Out: 30.557+/-347.386 χ^2/NDF: 23.5/28

Left In: -486.821+/-293.769 χ^2/NDF:14.4/22

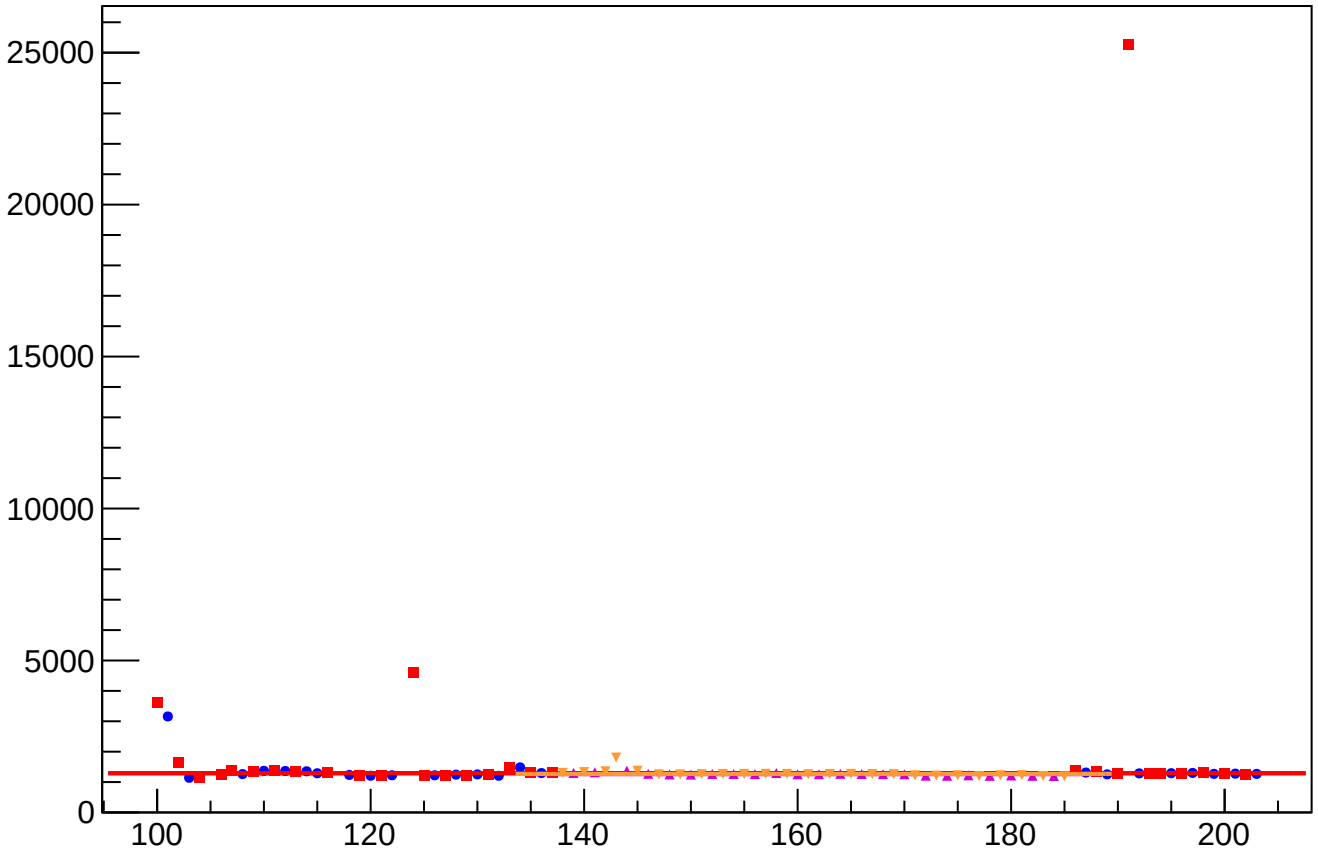
Left: 11.486+/-205.836 χ^2/NDF: 67.0/47

Right: -275.161+/-249.002 χ^2/NDF: 45.3/52

In: -531.781+/-226.866 χ^2/NDF:34.7/46

Out: 303.688+/-221.940 χ^2/NDF:71.5/53

All: -104.876+/-158.648 χ^2/NDF: 113.0/100



Right In: 1285.301+/-0.253 χ^2/NDF: 516525.6/23

Left Out: 1266.967+/-0.204 χ^2/NDF:187545.6/24

Right Out: 1296.553+/-0.245 χ^2/NDF: 467821.5/28

Left In: 1257.551+/-0.208 χ^2/NDF:36816.4/22

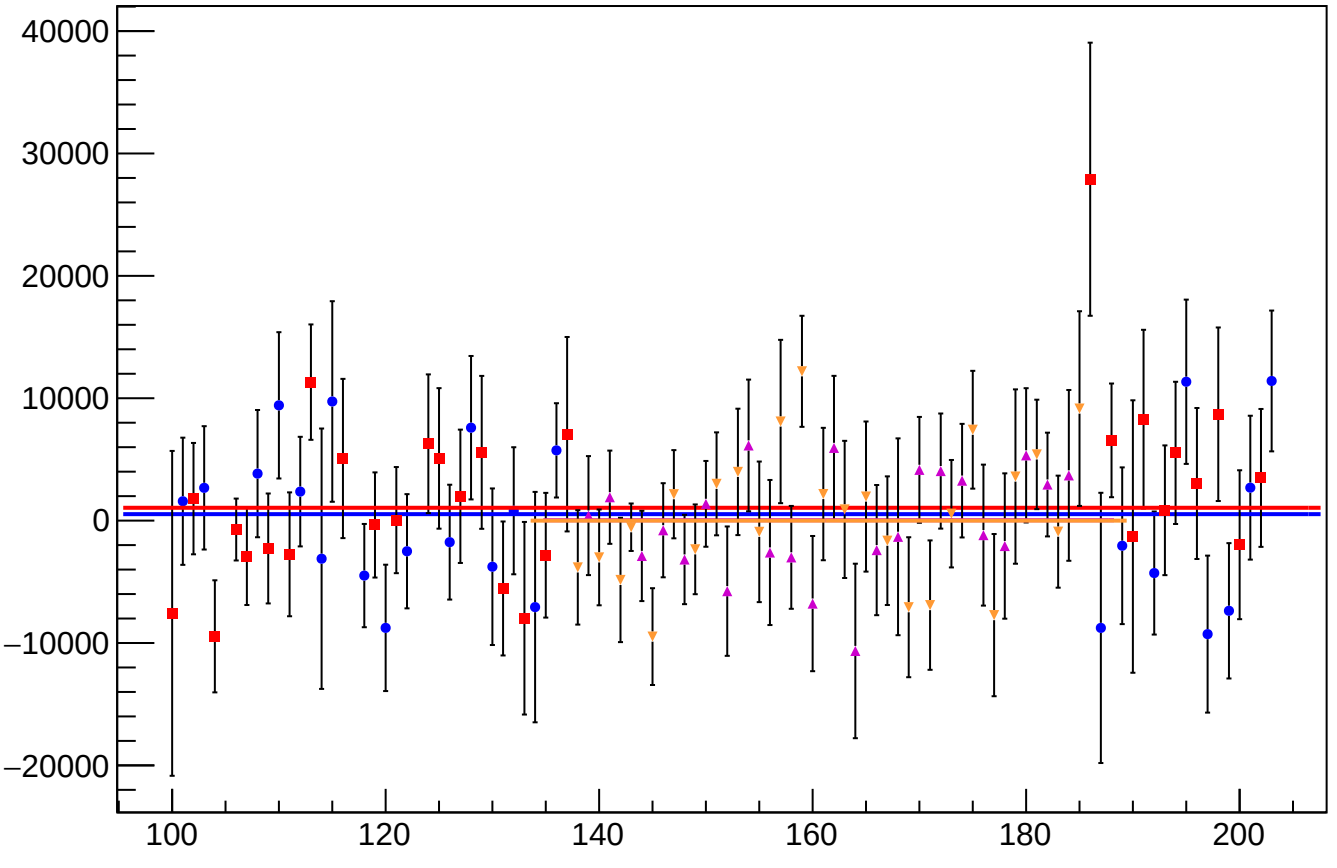
Left: 1262.345+/-0.146 χ^2/NDF: 225407.9/47

Right: 1291.089+/-0.176 χ^2/NDF: 985368.6/52

In: 1268.751+/-0.160 χ^2/NDF:560544.4/46

Out: 1279.063+/-0.157 χ^2/NDF:663965.9/53

All: 1274.023+/-0.112 χ^2/NDF: 1226622.5/10



Right In: 528.534+/-1132.348 χ^2/NDF: 26.6/23

Left Out: -0.604+/-886.488 χ^2/NDF:29.1/24

Right Out: 1049.679+/-970.752 χ^2/NDF: 29.9/28

Left In: 31.593+/-995.348 χ^2/NDF:14.0/22

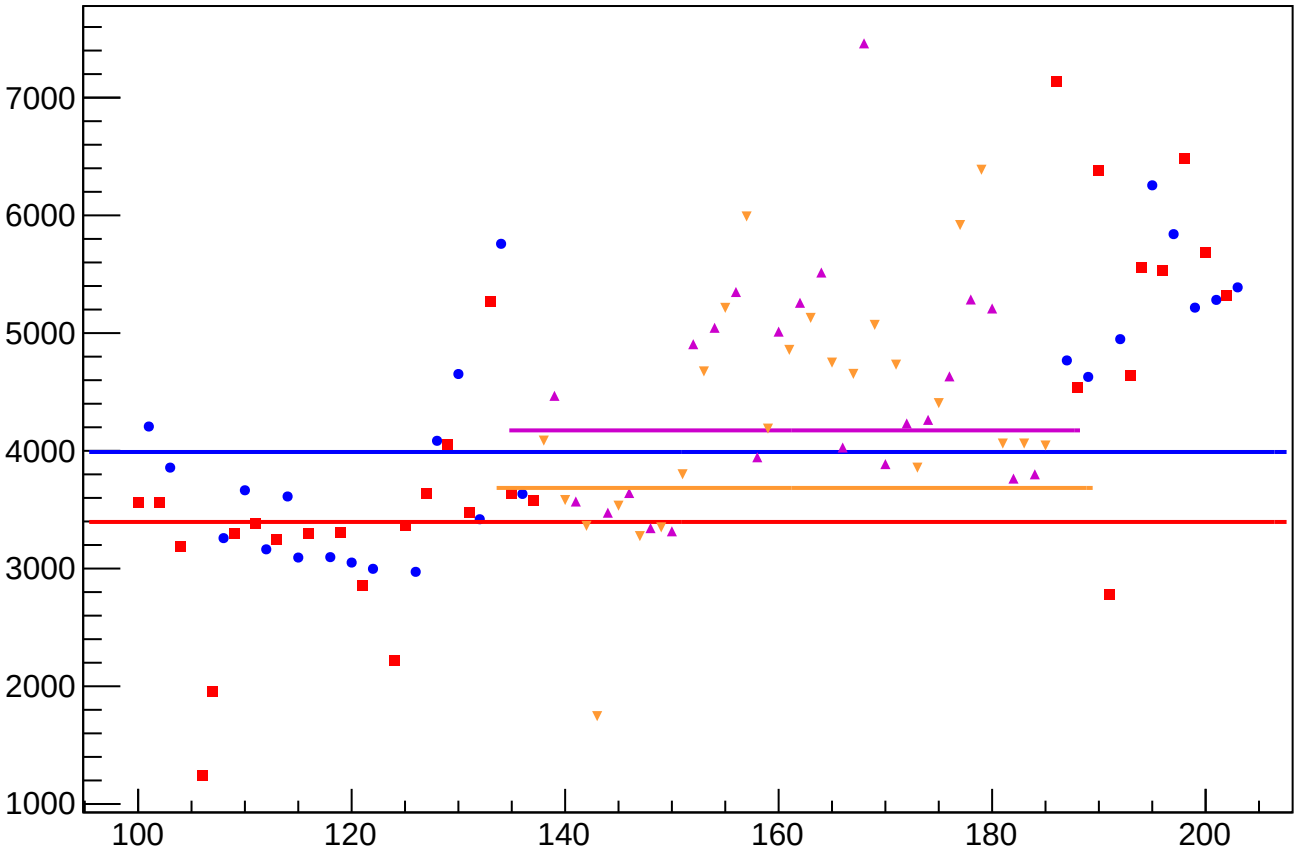
Left: 13.638+/-661.996 χ^2/NDF: 43.1/47

Right: 828.914+/-736.996 χ^2/NDF: 56.6/52

In: 248.198+/-747.587 χ^2/NDF:40.7/46

Out: 476.983+/-654.609 χ^2/NDF:59.6/53

All: 377.695+/-492.490 χ^2/NDF: 100.4/100



Right In: 3990.167+/-0.801 χ^2/NDF: 1429193.0/23

Left Out: 3684.769+/-0.627 χ^2/NDF:3693646.6/24

Right Out: 3395.819+/-0.686 χ^2/NDF: 4012509.1/28

Left In: 4173.556+/-0.704 χ^2/NDF:1274968.4/22

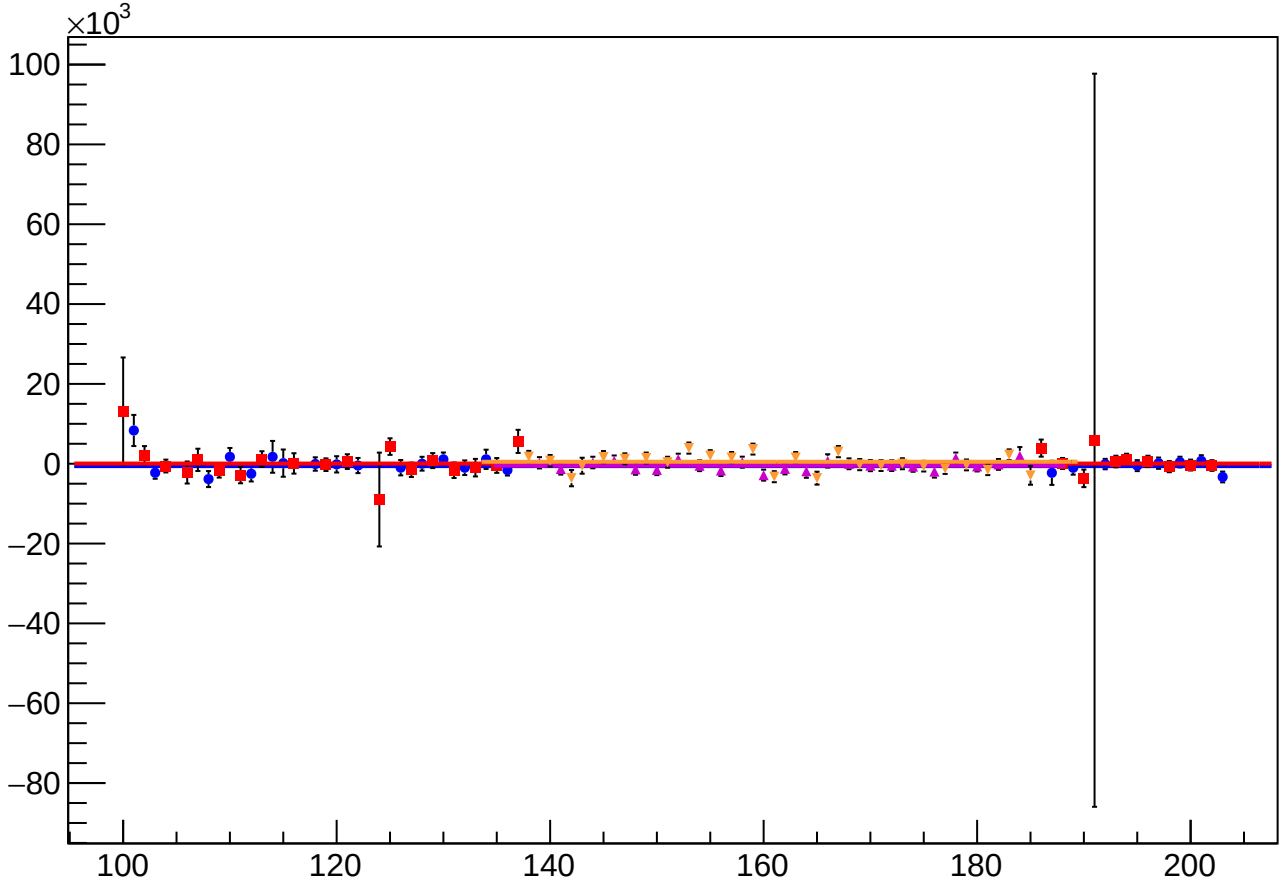
Left: 3900.981+/-0.468 χ^2/NDF: 5237573.9/47

Right: 3647.593+/-0.521 χ^2/NDF: 5759291.0/52

In: 4093.621+/-0.529 χ^2/NDF:2733754.5/46

Out: 3553.377+/-0.463 χ^2/NDF:7802777.4/53

All: 3787.832+/-0.348 χ^2/NDF: 11127709.5/1



Right In: -598.388+/-357.099 χ^2/NDF: 20.1/23

Left Out: 492.079+/-288.495 χ^2/NDF:46.9/24

Right Out: 45.322+/-347.502 χ^2/NDF: 23.9/28

Left In: -486.720+/-293.769 χ^2/NDF:14.4/22

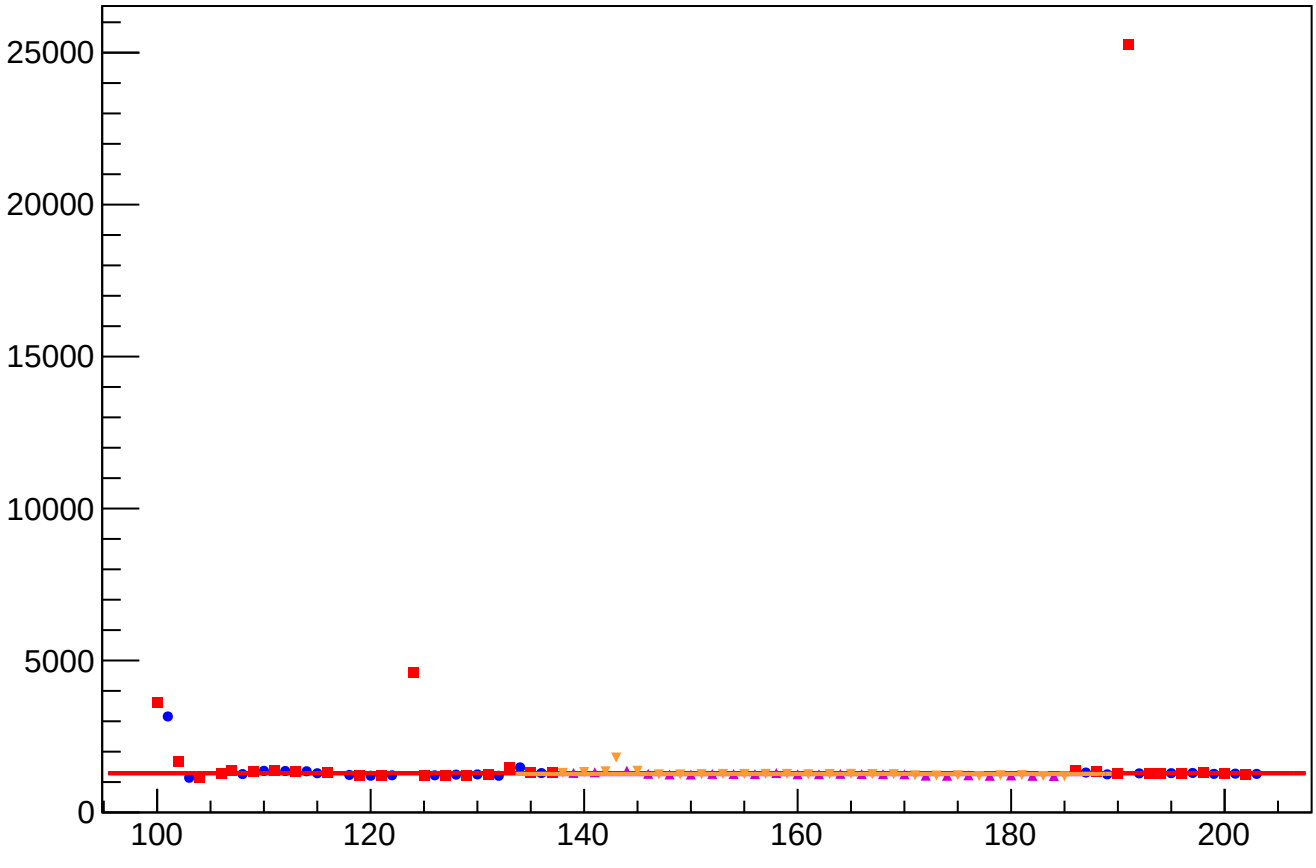
Left: 11.544+/-205.836 χ^2/NDF: 67.0/47

Right: -267.768+/-249.045 χ^2/NDF: 45.8/52

In: -531.791+/-226.866 χ^2/NDF:34.6/46

Out: 309.796+/-221.970 χ^2/NDF:71.8/53

All: -101.818+/-158.659 χ^2/NDF: 113.5/100



Right In: 1285.301+/-0.253 χ^2/NDF: 516527.0/23

Left Out: 1266.968+/-0.204 χ^2/NDF:187545.6/24

Right Out: 1297.580+/-0.245 χ^2/NDF: 474443.2/28

Left In: 1257.551+/-0.208 χ^2/NDF:36816.3/22

Left: 1262.345+/-0.146 χ^2/NDF: 225407.9/47

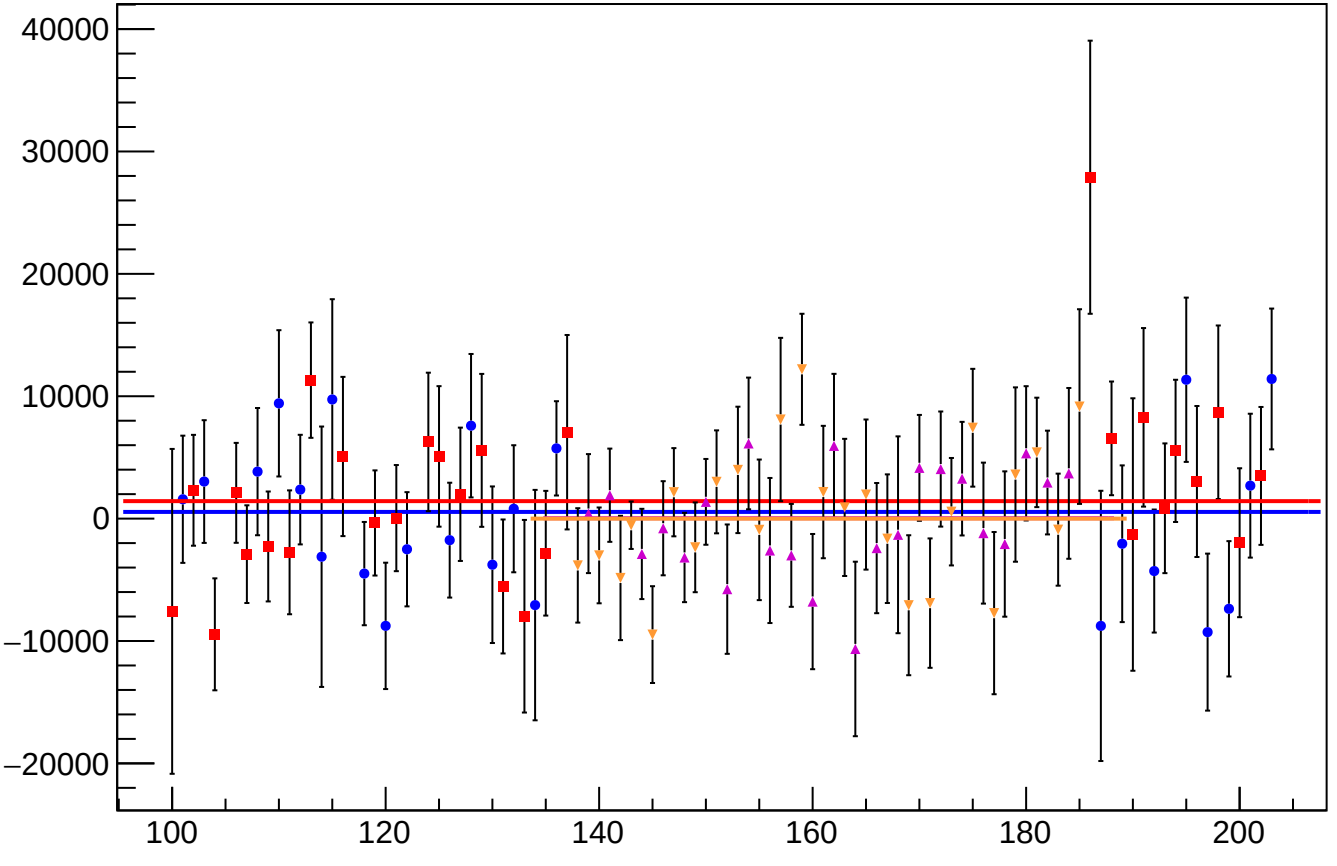
Right: 1291.613+/-0.176 χ^2/NDF: 992186.0/52

In: 1268.751+/-0.160 χ^2/NDF:560545.8/46

Out: 1279.472+/-0.157 χ^2/NDF:671187.0/53

All: 1274.230+/-0.112 χ^2/NDF: 1234015.4/10

asym_atl1r2_dd_atl2r1_dd_dd_cor_correction_mean vs Slug, Sign Corrected



Right In: 547.490+/-1132.064 χ^2/NDF: 26.6/23

Left Out: -0.541+/-886.487 χ^2/NDF:29.1/24

Right Out: 1428.505+/-1017.726 χ^2/NDF: 29.4/28

Left In: 31.597+/-995.347 χ^2/NDF:14.0/22

Left: 13.675+/-661.996 χ^2/NDF: 43.1/47

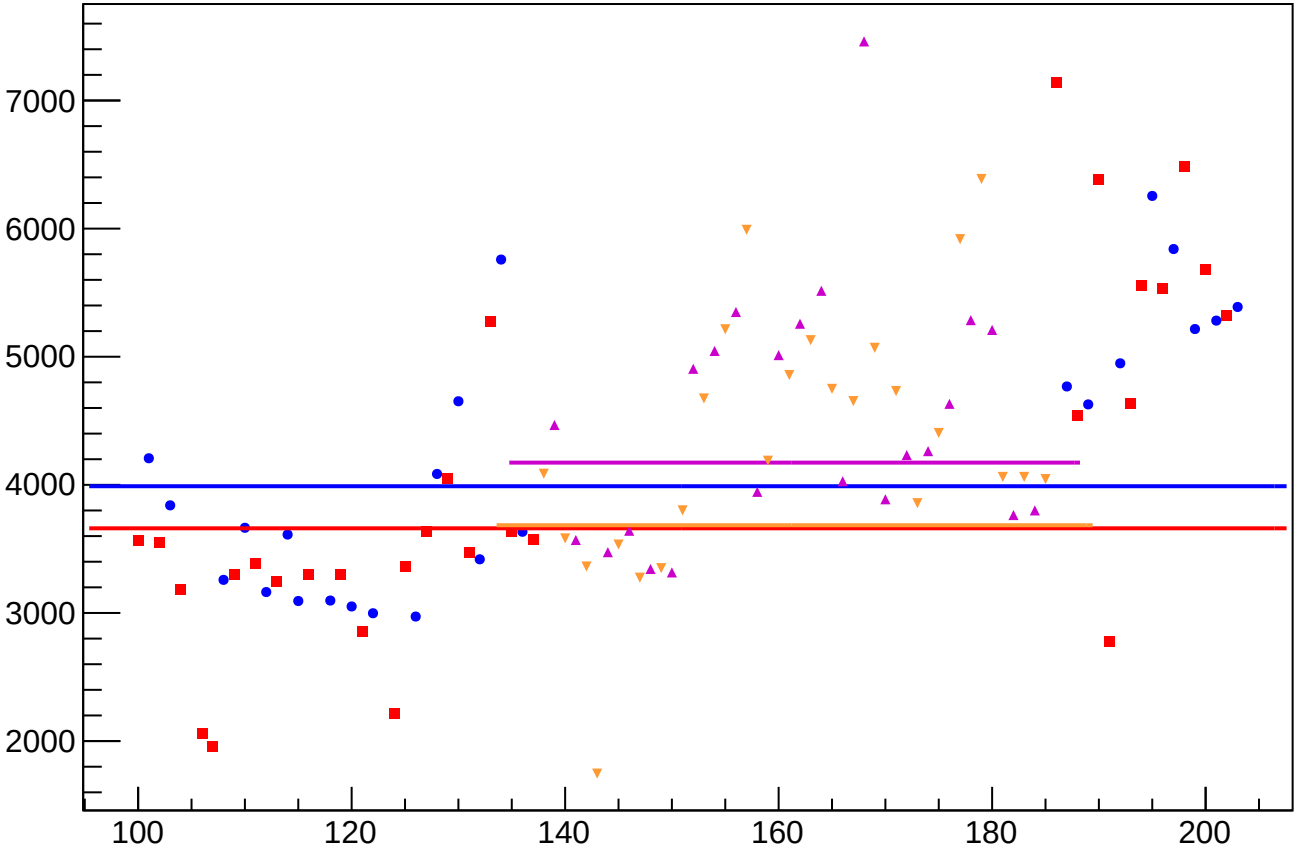
Right: 1034.722+/-756.846 χ^2/NDF: 56.4/52

In: 256.526+/-747.505 χ^2/NDF:40.8/46

Out: 615.957+/-668.457 χ^2/NDF:59.6/53

All: 456.245+/-498.282 χ^2/NDF: 100.5/100

asym_atl1r2_dd_atl2r1_dd_dd_cor_correction_rms vs Slug, Sign Corrected



Right In: 3989.258+/-0.800 χ^2/NDF: 1429635.7/23

Left Out: 3684.762+/-0.627 χ^2/NDF:3693687.2/24

Right Out: 3660.780+/-0.720 χ^2/NDF: 2639790.9/28

Left In: 4173.550+/-0.704 χ^2/NDF:1274967.5/22

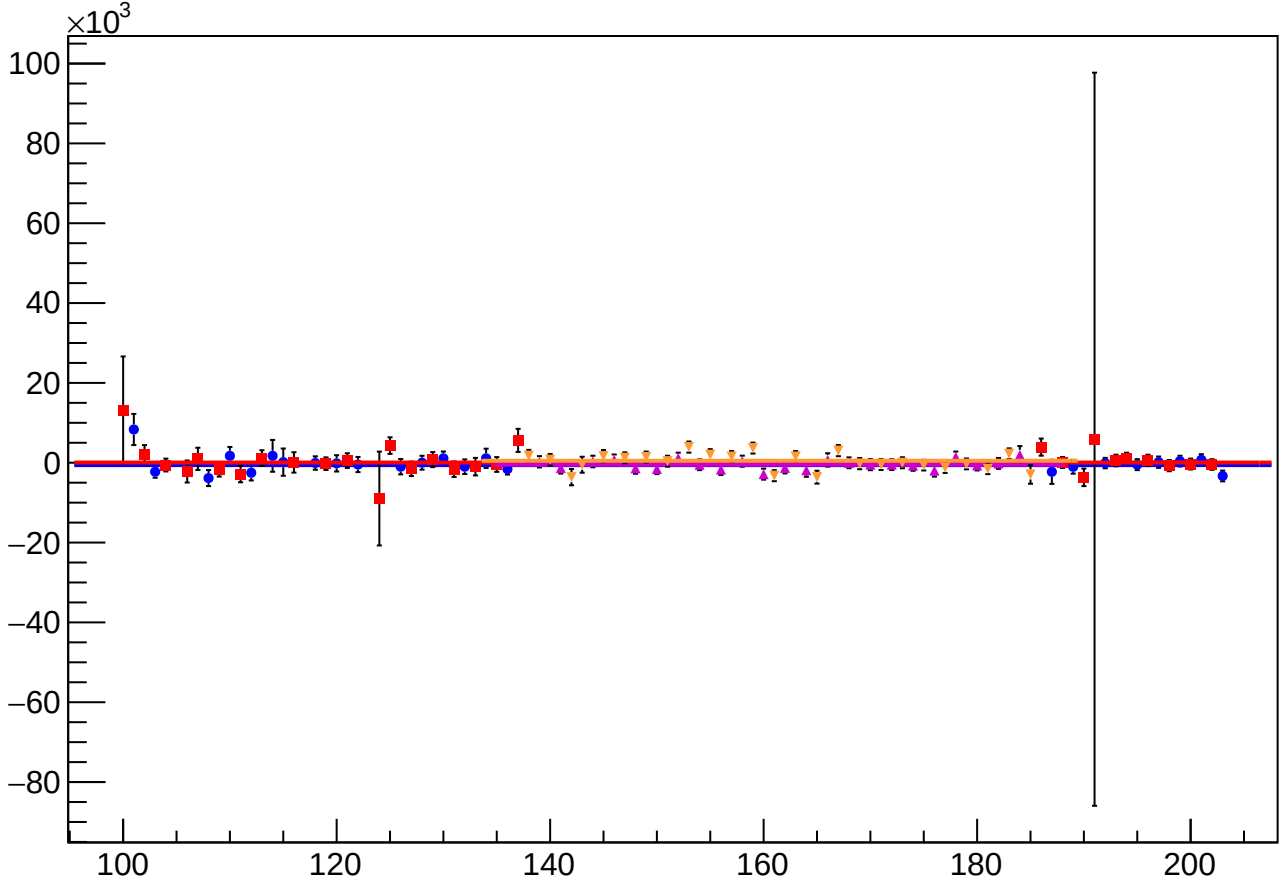
Left: 3900.975+/-0.468 χ^2/NDF: 5237615.0/47

Right: 3807.598+/-0.535 χ^2/NDF: 4162549.4/52

In: 4093.199+/-0.529 χ^2/NDF:2734496.9/46

Out: 3674.416+/-0.473 χ^2/NDF:6334109.6/53

All: 3860.501+/-0.352 χ^2/NDF: 9417412.3/10



Right In: -598.388+/-357.099 χ^2/NDF: 20.1/23

Left Out: 492.079+/-288.495 χ^2/NDF:46.9/24

Right Out: 45.322+/-347.502 χ^2/NDF: 23.9/28

Left In: -486.720+/-293.769 χ^2/NDF:14.4/22

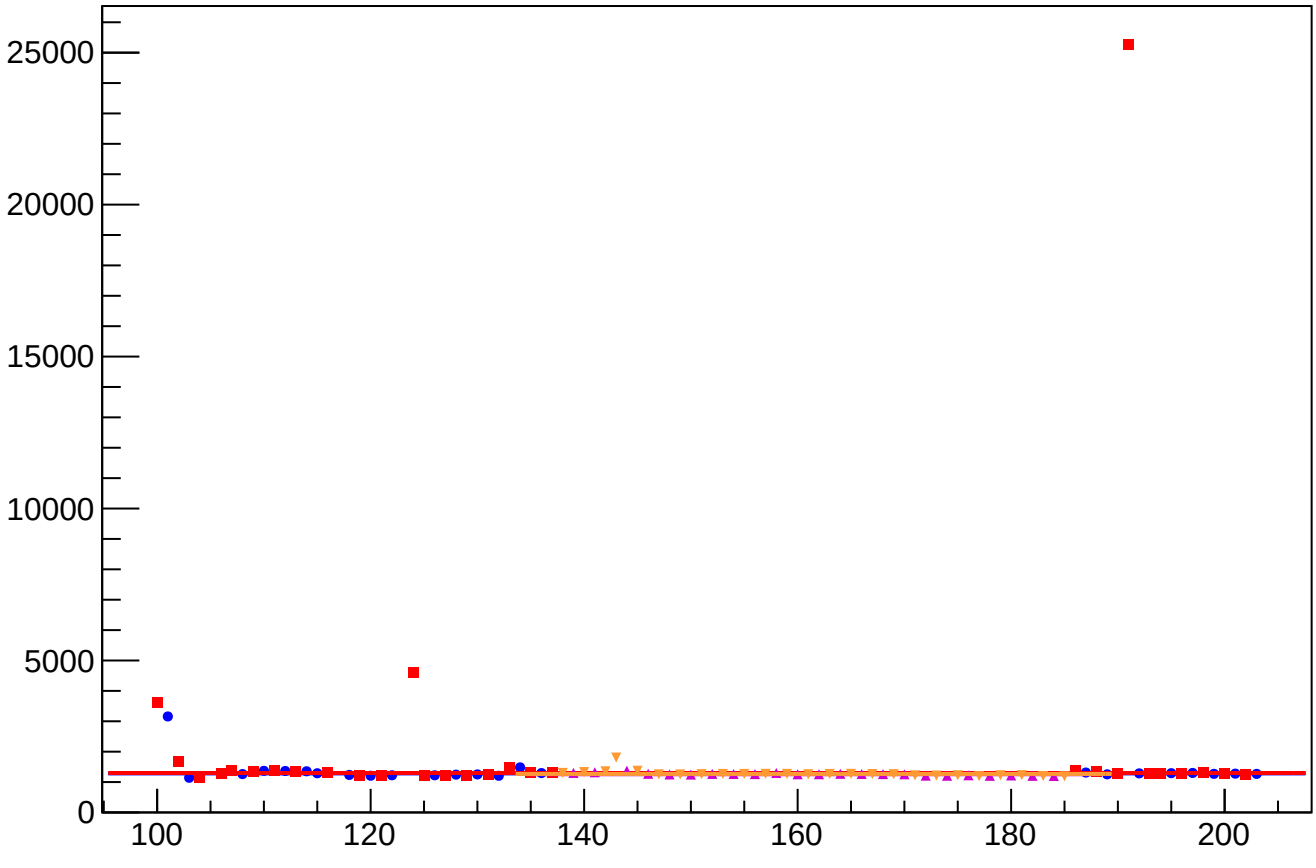
Left: 11.544+/-205.836 χ^2/NDF: 67.0/47

Right: -267.768+/-249.045 χ^2/NDF: 45.8/52

In: -531.791+/-226.866 χ^2/NDF:34.6/46

Out: 309.796+/-221.970 χ^2/NDF:71.8/53

All: -101.818+/-158.659 χ^2/NDF: 113.5/100



Right In: 1285.301+/-0.253 χ^2/NDF: 516527.0/23

Left Out: 1266.968+/-0.204 χ^2/NDF:187545.6/24

Right Out: 1297.580+/-0.245 χ^2/NDF: 474443.2/28

Left In: 1257.551+/-0.208 χ^2/NDF:36816.3/22

Left: 1262.345+/-0.146 χ^2/NDF: 225407.9/47

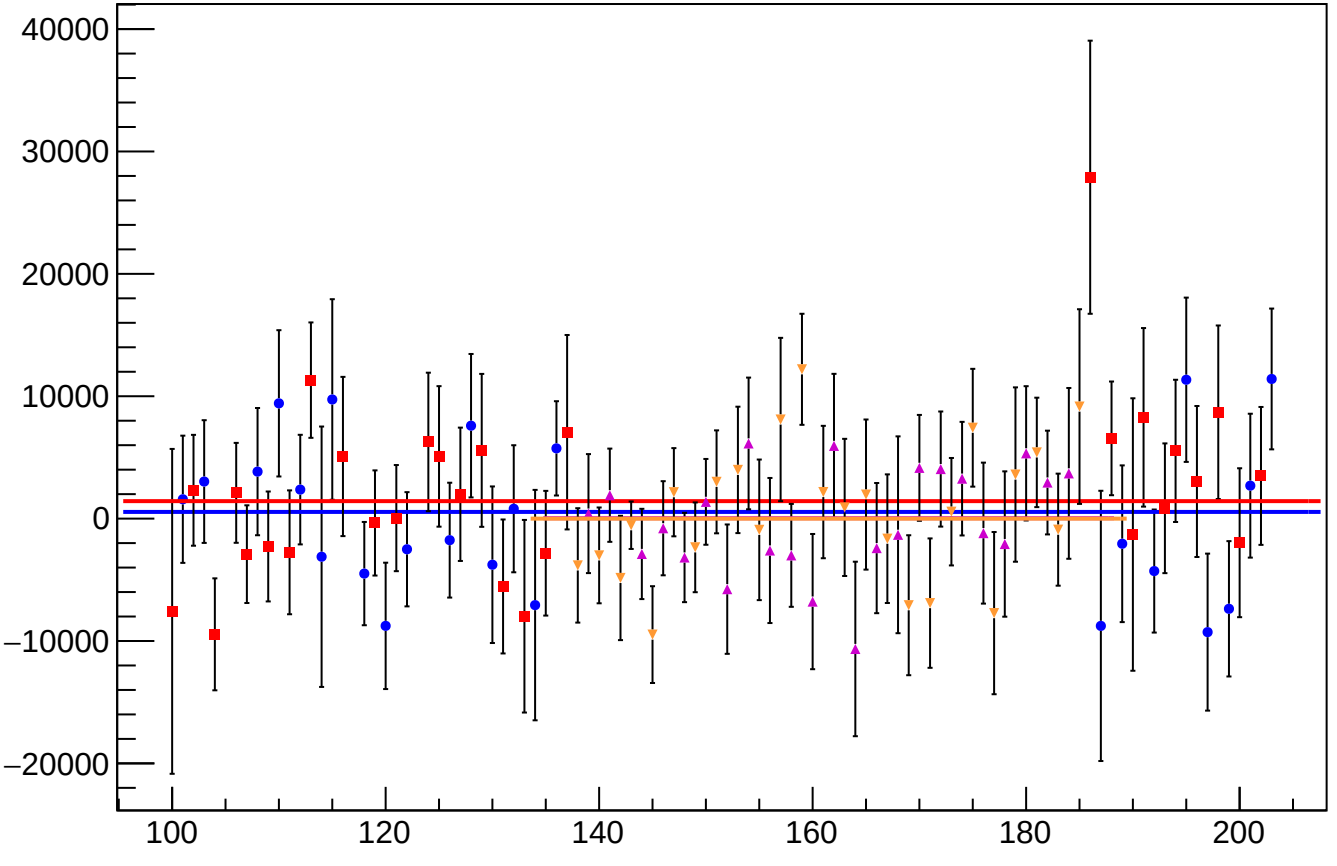
Right: 1291.613+/-0.176 χ^2/NDF: 992186.0/52

In: 1268.751+/-0.160 χ^2/NDF:560545.8/46

Out: 1279.472+/-0.157 χ^2/NDF:671187.0/53

All: 1274.230+/-0.112 χ^2/NDF: 1234015.4/10

asym_atl1r2_dd_atl2r1_dd_dd_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: 547.490+/-1132.064 χ^2/NDF: 26.6/23

Left Out: -0.541+/-886.487 χ^2/NDF:29.1/24

Right Out: 1428.505+/-1017.726 χ^2/NDF: 29.4/28

Left In: 31.597+/-995.347 χ^2/NDF:14.0/22

Left: 13.675+/-661.996 χ^2/NDF: 43.1/47

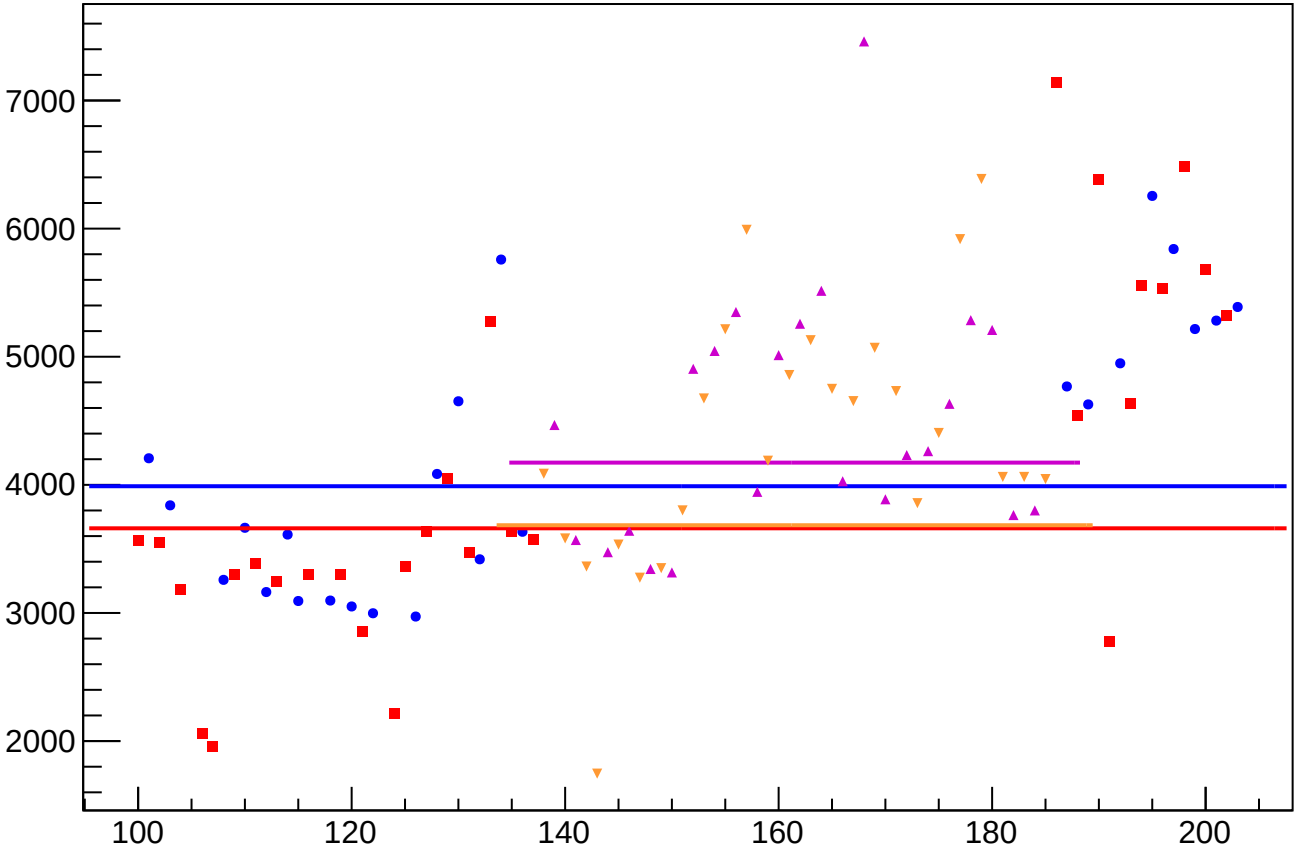
Right: 1034.722+/-756.846 χ^2/NDF: 56.4/52

In: 256.526+/-747.505 χ^2/NDF:40.8/46

Out: 615.957+/-668.457 χ^2/NDF:59.6/53

All: 456.245+/-498.282 χ^2/NDF: 100.5/100

asym_atl1r2_dd_atl2r1_dd_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 3989.258+/-0.800 χ^2/NDF: 1429635.7/23

Left Out: 3684.762+/-0.627 χ^2/NDF:3693687.2/24

Right Out: 3660.780+/-0.720 χ^2/NDF: 2639790.9/28

Left In: 4173.550+/-0.704 χ^2/NDF:1274967.5/22

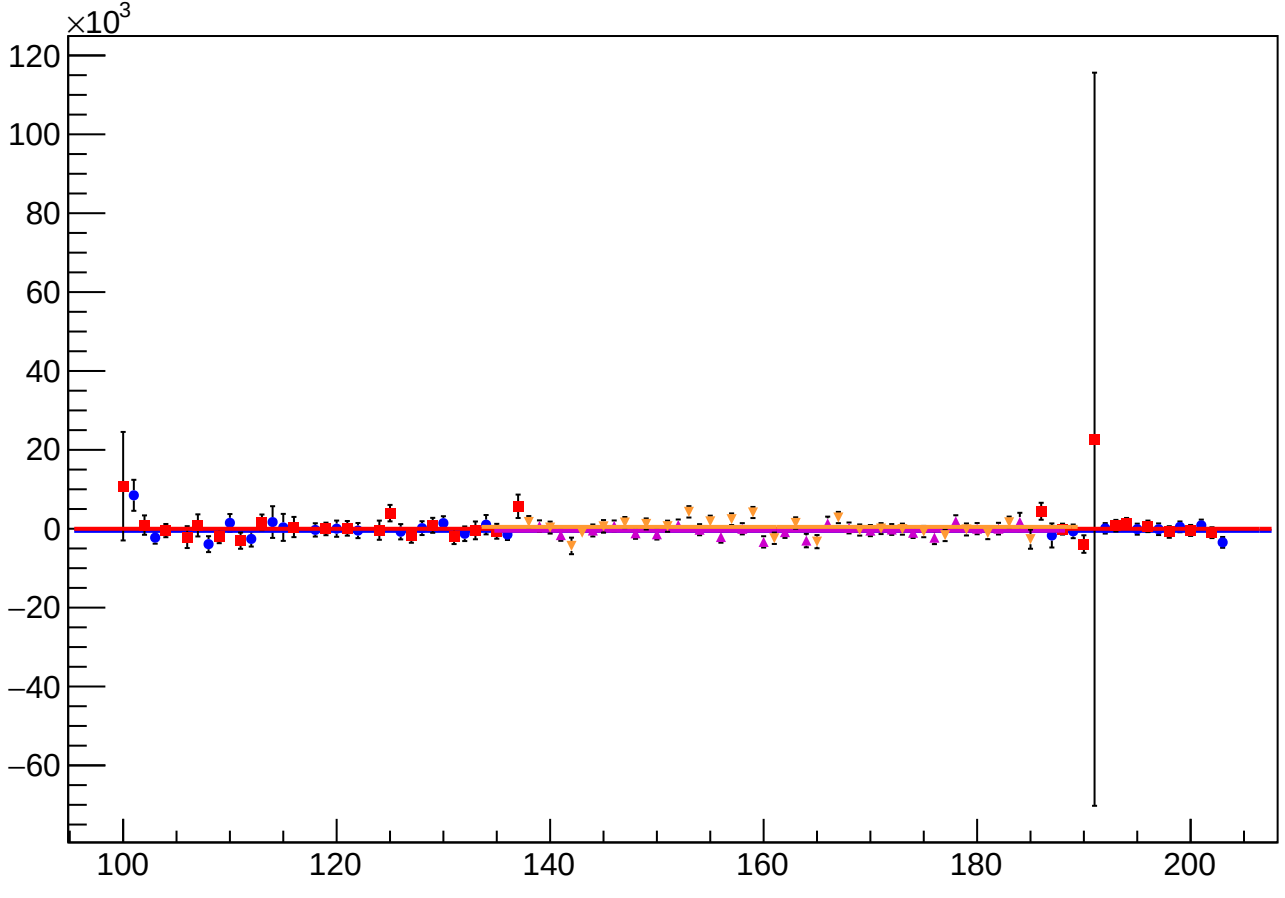
Left: 3900.975+/-0.468 χ^2/NDF: 5237615.0/47

Right: 3807.598+/-0.535 χ^2/NDF: 4162549.4/52

In: 4093.199+/-0.529 χ^2/NDF:2734496.9/46

Out: 3674.416+/-0.473 χ^2/NDF:6334109.6/53

All: 3860.501+/-0.352 χ^2/NDF: 9417412.3/10



Right In: -539.414+/-362.408 χ^2/NDF: 20.7/23

Left Out: 467.929+/-294.257 χ^2/NDF:44.1/24

Right Out: -10.934+/-349.986 χ^2/NDF: 24.7/28

Left In: -503.558+/-307.055 χ^2/NDF:17.4/22

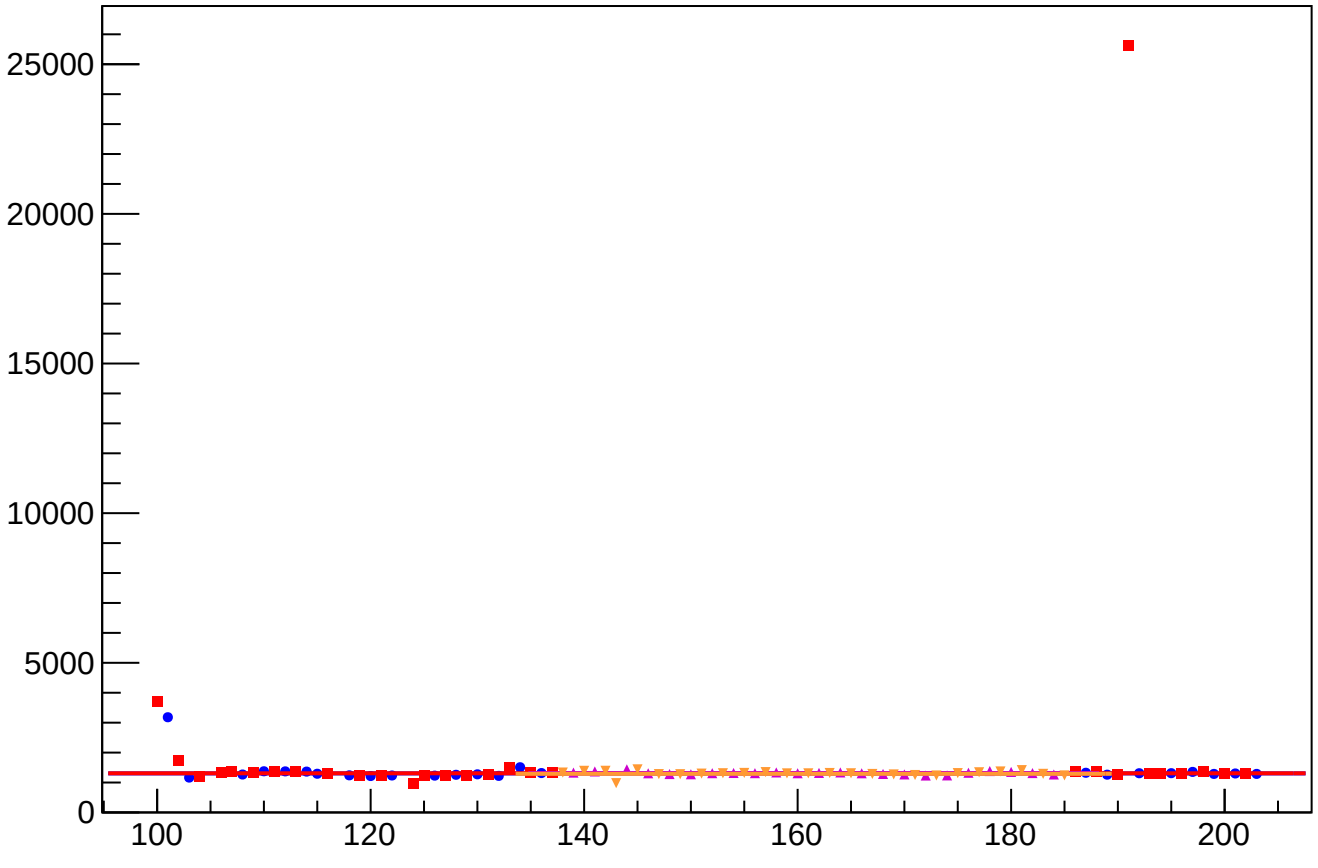
Left: 2.853+/-212.452 χ^2/NDF: 66.7/47

Right: -265.962+/-251.755 χ^2/NDF: 46.5/52

In: -518.542+/-234.274 χ^2/NDF:38.1/46

Out: 269.613+/-225.229 χ^2/NDF:69.9/53

All: -108.957+/-162.364 χ^2/NDF: 113.9/100



Right In: 1304.314+/-0.256 χ^2/NDF: 514914.1/23

Left Out: 1291.211+/-0.208 χ^2/NDF:230735.1/24

Right Out: 1308.723+/-0.247 χ^2/NDF: 363342.3/28

Left In: 1314.006+/-0.217 χ^2/NDF:43044.7/22

Left: 1302.123+/-0.150 χ^2/NDF: 279525.5/47

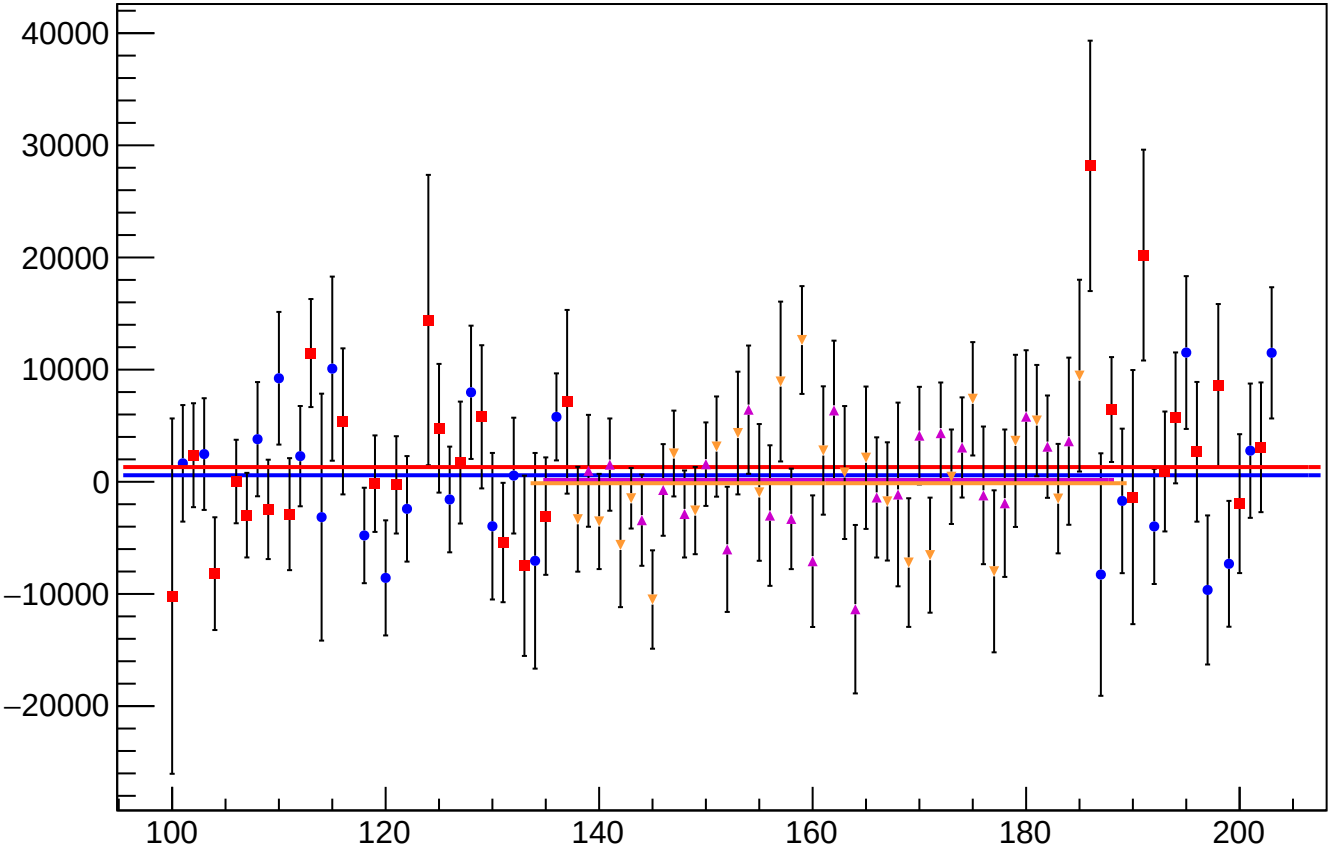
Right: 1306.596+/-0.178 χ^2/NDF: 878409.6/52

In: 1309.956+/-0.166 χ^2/NDF:558791.4/46

Out: 1298.467+/-0.159 χ^2/NDF:597012.5/53

All: 1303.984+/-0.115 χ^2/NDF: 1158304.0/10

asym_atl1r2_dd_atl2r1_dd_dd_dit_correction_mean vs Slug, Sign Corrected



Right In: 583.551+/-1138.726 χ^2/NDF: 26.3/23

Left Out: -127.273+/-977.231 χ^2/NDF:28.6/24

Right Out: 1312.194+/-1035.746 χ^2/NDF: 31.0/28

Left In: 159.452+/-1045.510 χ^2/NDF:13.8/22

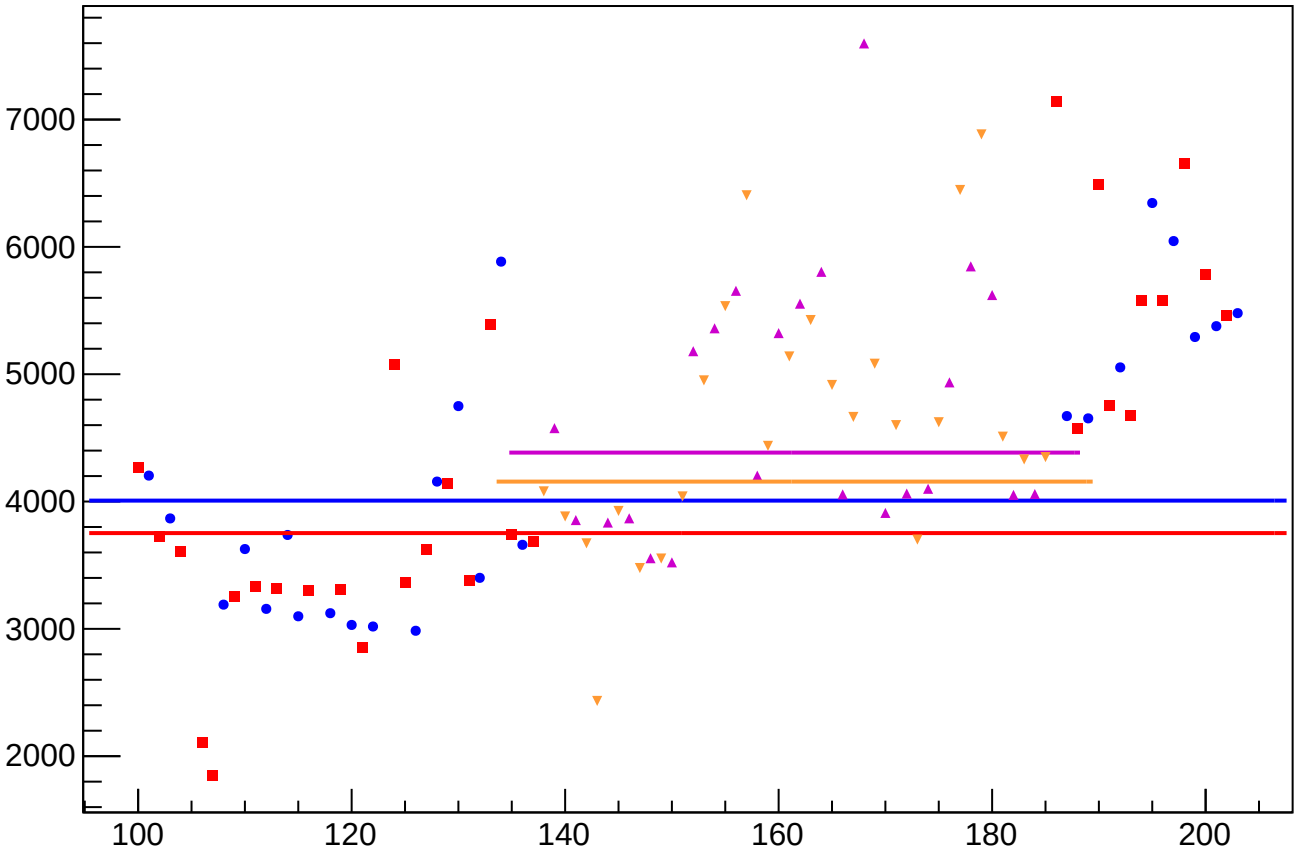
Left: 6.422+/-713.925 χ^2/NDF: 42.4/47

Right: 982.303+/-766.209 χ^2/NDF: 57.6/52

In: 353.436+/-770.136 χ^2/NDF:40.2/46

Out: 550.652+/-710.793 χ^2/NDF:60.6/53

All: 459.934+/-522.328 χ^2/NDF: 100.8/100



Right In: 4007.247+/-0.805 χ^2/NDF: 1521072.4/23

Left Out: 4156.582+/-0.691 χ^2/NDF:2080766.1/24

Right Out: 3752.152+/-0.732 χ^2/NDF: 2726333.6/28

Left In: 4384.323+/-0.739 χ^2/NDF:1255470.8/22

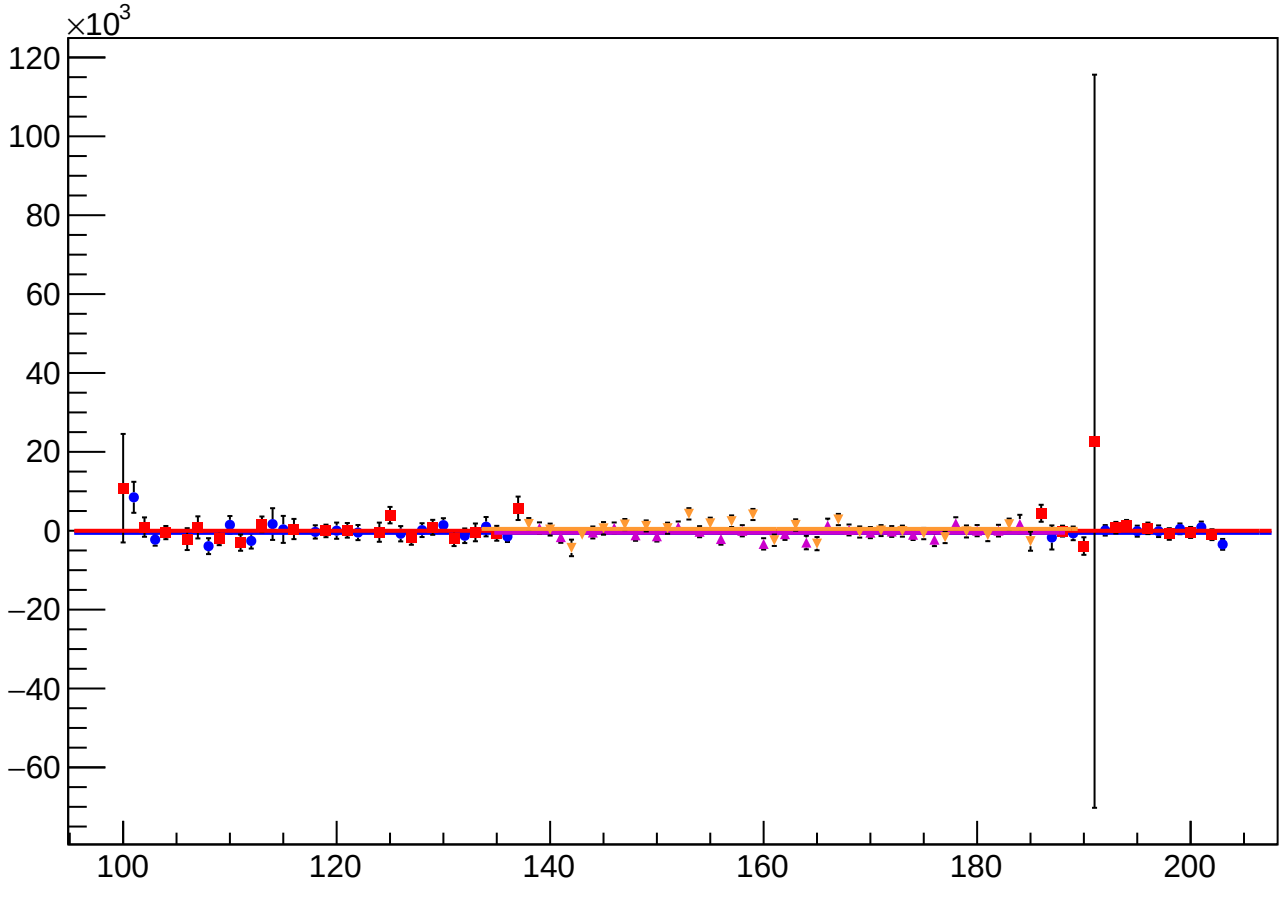
Left: 4262.773+/-0.505 χ^2/NDF: 3386885.6/47

Right: 3867.646+/-0.542 χ^2/NDF: 4302332.4/52

In: 4211.848+/-0.545 χ^2/NDF:2895538.2/46

Out: 3966.113+/-0.503 χ^2/NDF:4968424.5/53

All: 4079.149+/-0.369 χ^2/NDF: 7973920.5/10



Right In: -539.413+/-362.408 χ^2/NDF: 20.7/23

Left Out: 467.933+/-294.257 χ^2/NDF:44.1/24

Right Out: -10.937+/-349.986 χ^2/NDF: 24.7/28

Left In: -503.558+/-307.056 χ^2/NDF:17.4/22

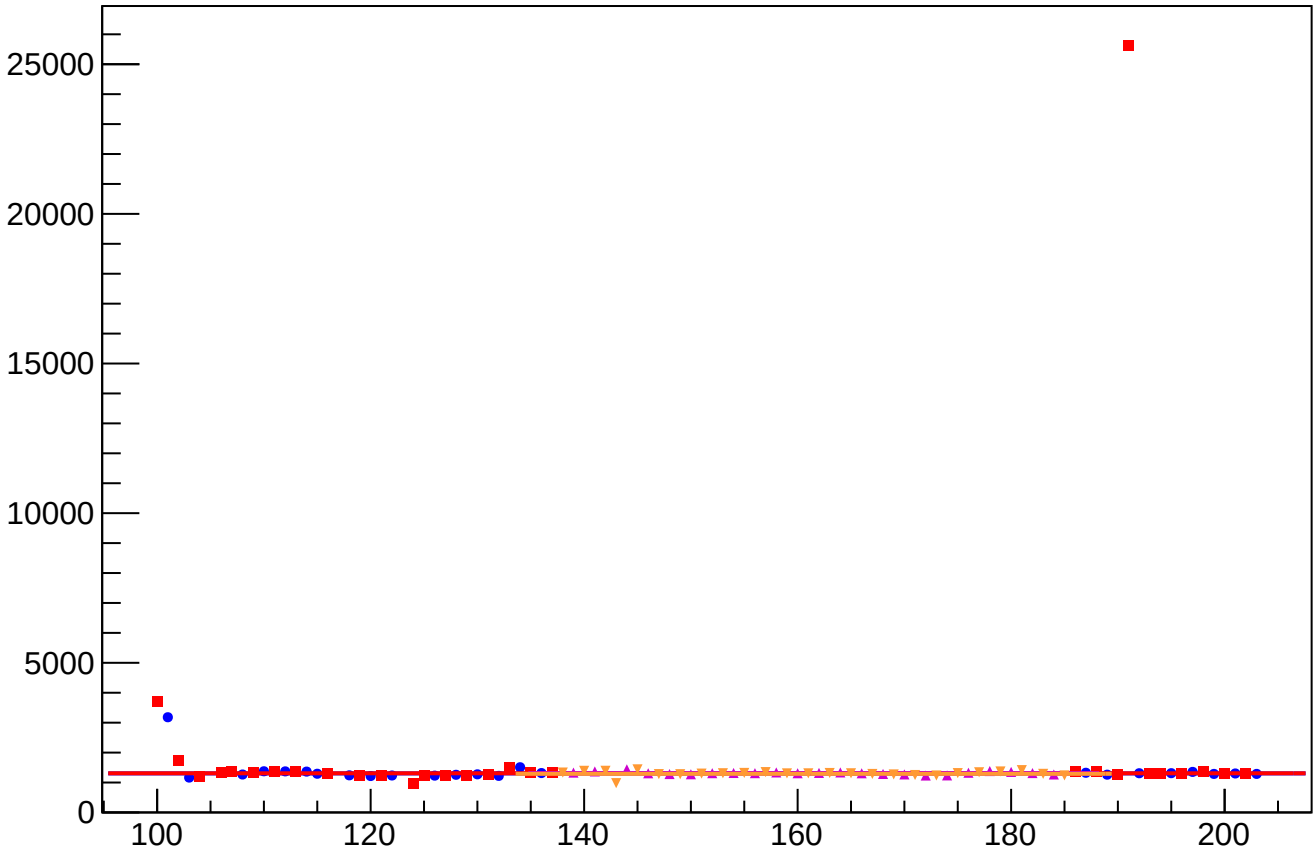
Left: 2.855+/-212.452 χ^2/NDF: 66.7/47

Right: -265.962+/-251.755 χ^2/NDF: 46.5/52

In: -518.541+/-234.274 χ^2/NDF:38.1/46

Out: 269.614+/-225.229 χ^2/NDF:69.9/53

All: -108.956+/-162.364 χ^2/NDF: 113.9/100



Right In: 1304.314+/-0.256 χ^2/NDF: 514914.3/23

Left Out: 1291.212+/-0.208 χ^2/NDF:230737.6/24

Right Out: 1308.723+/-0.247 χ^2/NDF: 363342.6/28

Left In: 1314.007+/-0.217 χ^2/NDF:43046.8/22

Left: 1302.125+/-0.150 χ^2/NDF: 279530.2/47

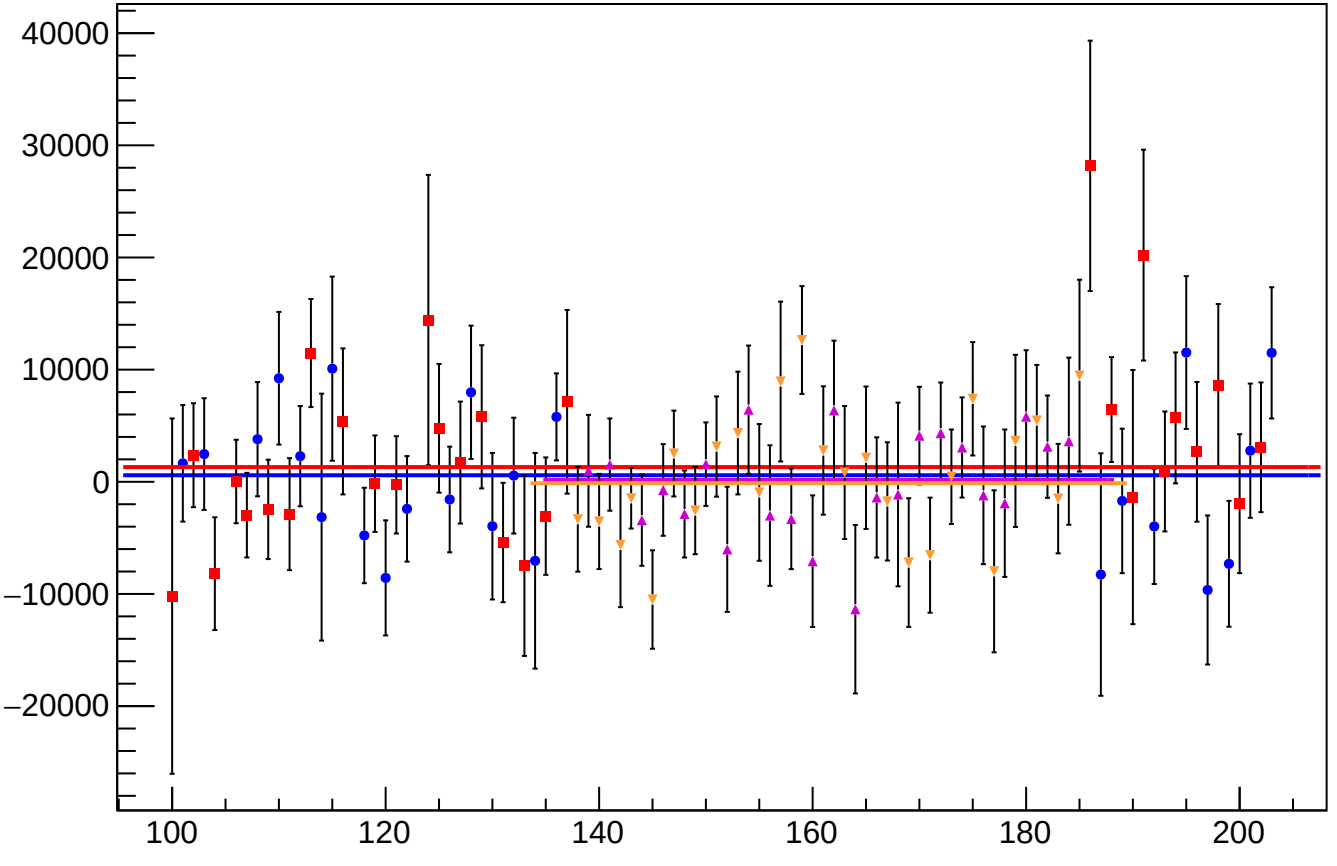
Right: 1306.597+/-0.178 χ^2/NDF: 878410.1/52

In: 1309.957+/-0.166 χ^2/NDF:558793.9/46

Out: 1298.467+/-0.159 χ^2/NDF:597014.9/53

All: 1303.985+/-0.115 χ^2/NDF: 1158309.0/10

asym_atl1r2_dd_atl2r1_dd_dd_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: 583.543+/-1138.724 χ^2/NDF: 26.3/23

Left Out: -127.271+/-977.232 χ^2/NDF:28.6/24

Right Out: 1312.187+/-1035.745 χ^2/NDF: 31.0/28

Left In: 159.454+/-1045.511 χ^2/NDF:13.8/22

Left: 6.424+/-713.926 χ^2/NDF: 42.4/47

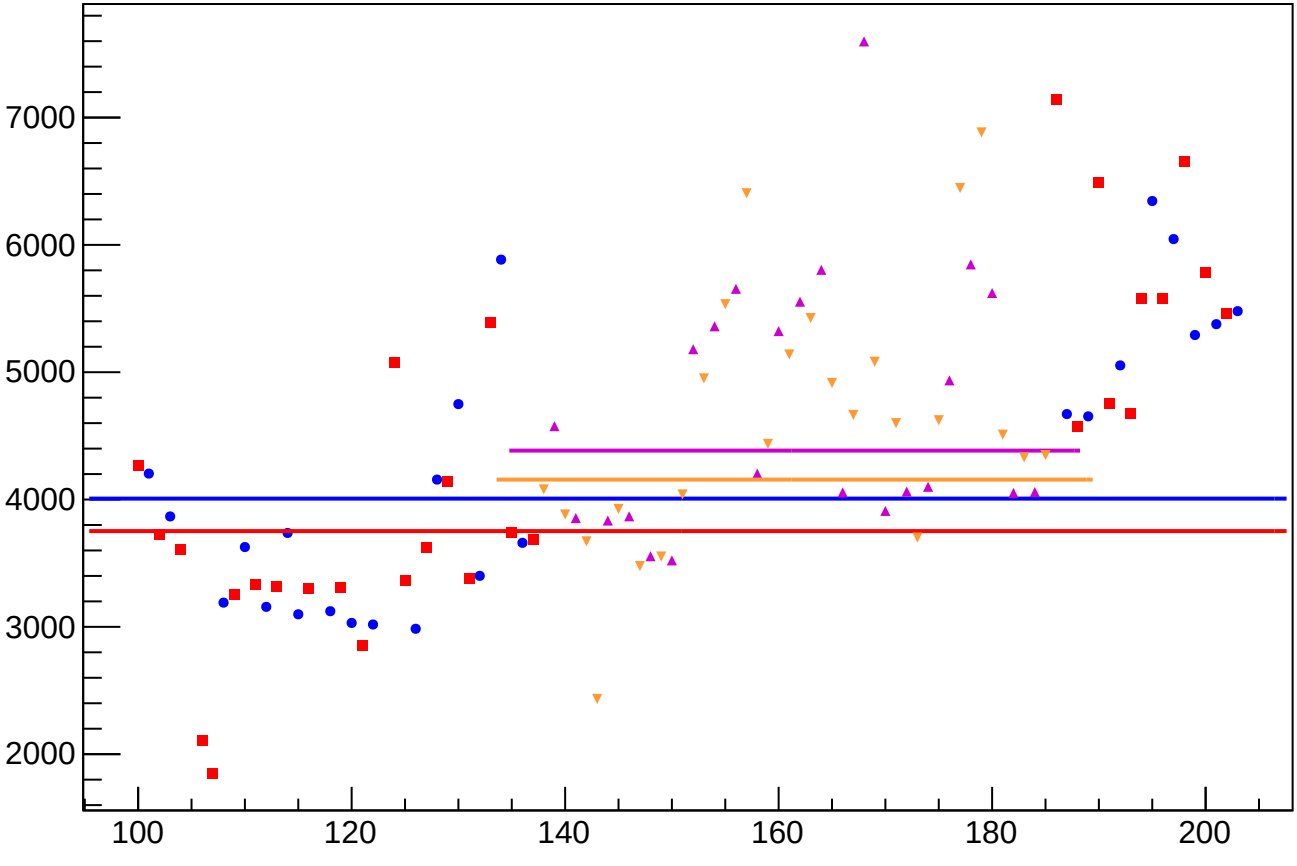
Right: 982.295+/-766.208 χ^2/NDF: 57.6/52

In: 353.433+/-770.137 χ^2/NDF:40.2/46

Out: 550.652+/-710.793 χ^2/NDF:60.6/53

All: 459.933+/-522.328 χ^2/NDF: 100.8/100

asym_atl1r2_dd_atl2r1_dd_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 4007.239+/-0.805 χ^2/NDF: 1521095.9/23

Left Out: 4156.588+/-0.691 χ^2/NDF:2080769.0/24

Right Out: 3752.145+/-0.732 χ^2/NDF: 2726354.9/28

Left In: 4384.329+/-0.739 χ^2/NDF:1255475.0/22

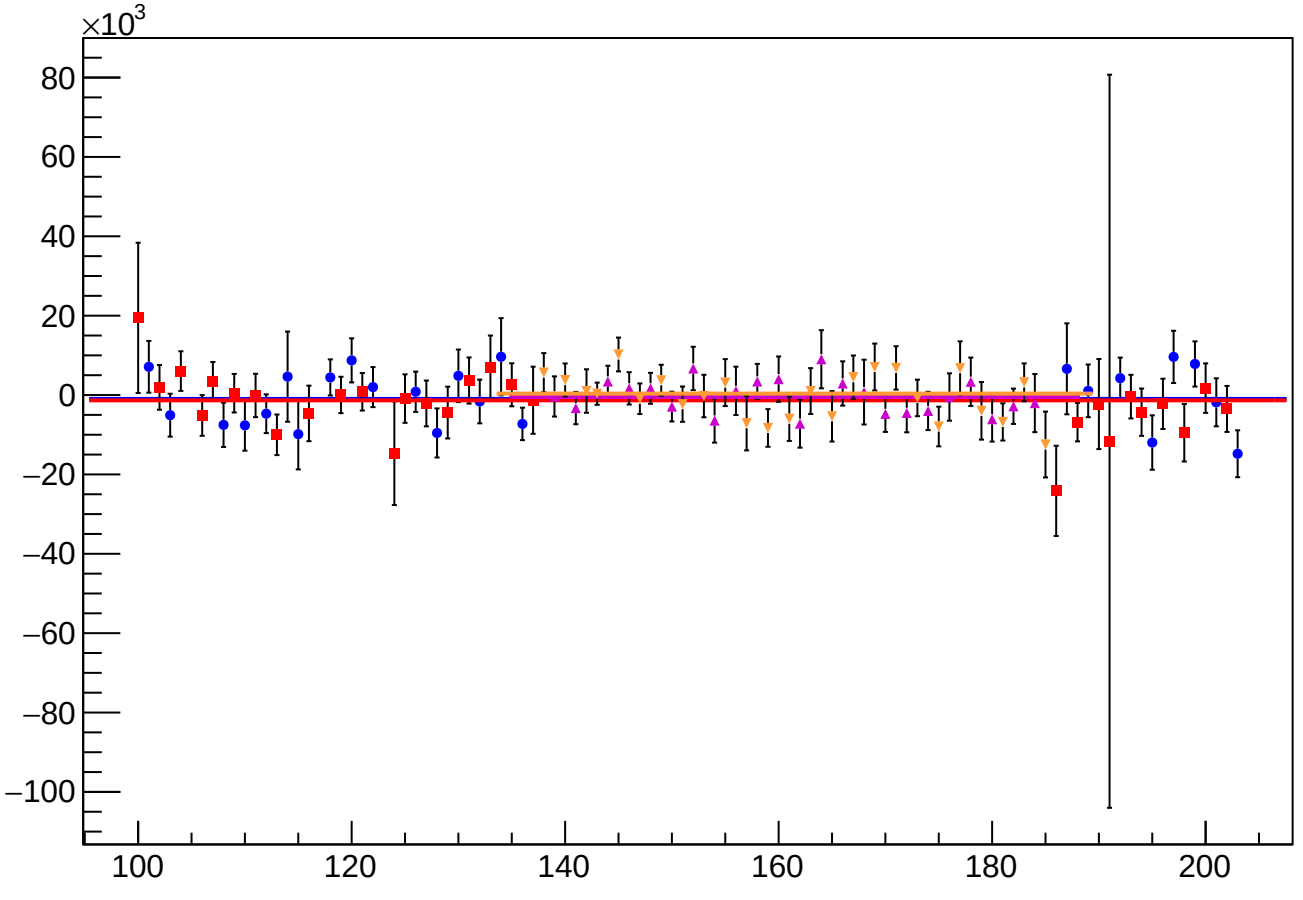
Left: 4262.780+/-0.505 χ^2/NDF: 3386892.6/47

Right: 3867.638+/-0.542 χ^2/NDF: 4302377.2/52

In: 4211.848+/-0.545 χ^2/NDF:2895574.8/46

Out: 3966.113+/-0.503 χ^2/NDF:4968459.5/53

All: 4079.149+/-0.369 χ^2/NDF: 7973992.3/10



Right In: -977.578+/-1206.984 χ^2/NDF: 32.2/23

Left Out: 362.528+/-979.860 χ^2/NDF:27.7/24

Right Out: -1332.758+/-1133.113 χ^2/NDF: 19.6/28

Left In: -497.522+/-1044.707 χ^2/NDF:13.9/22

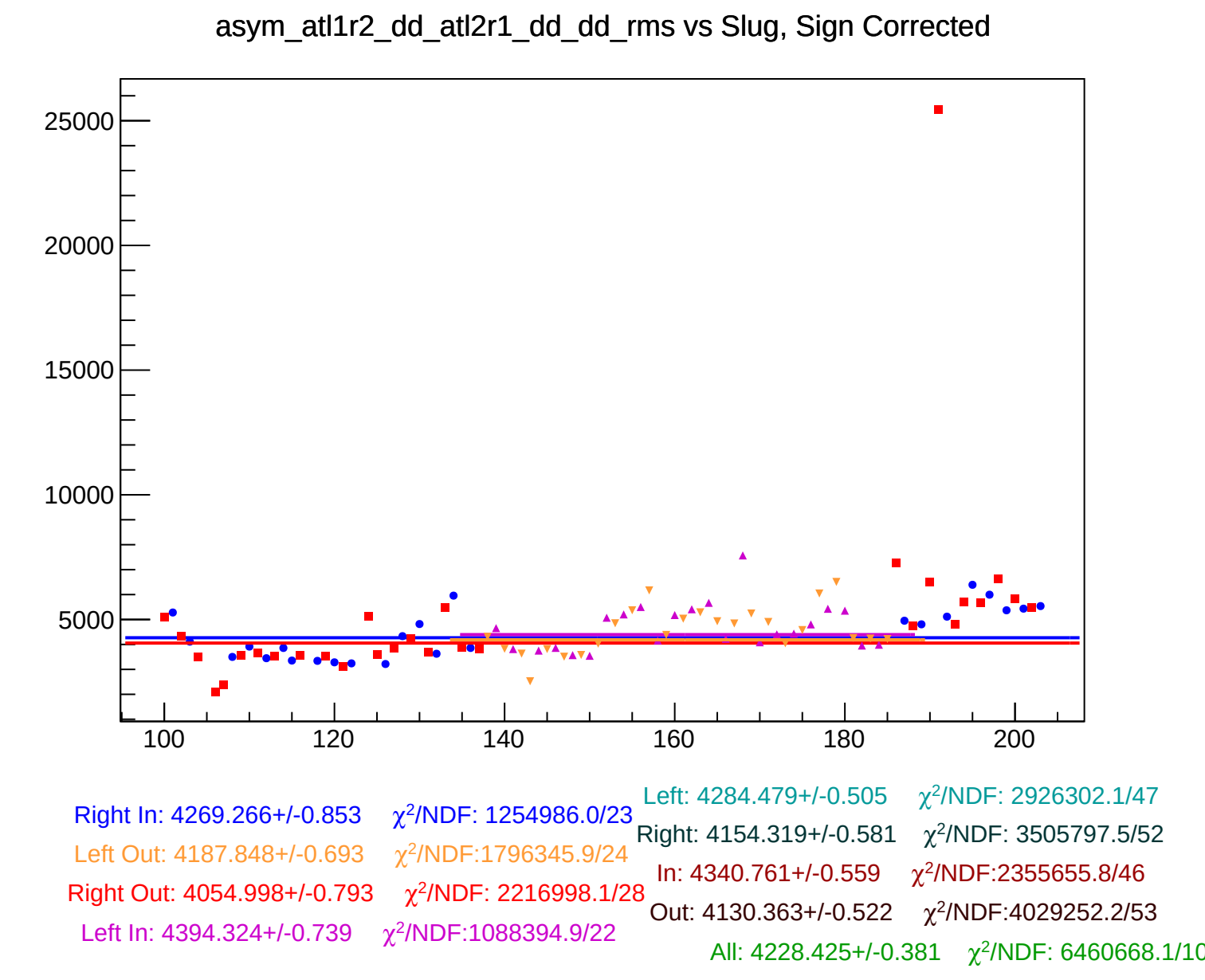
Left: -39.978+/-714.692 χ^2/NDF: 41.9/47

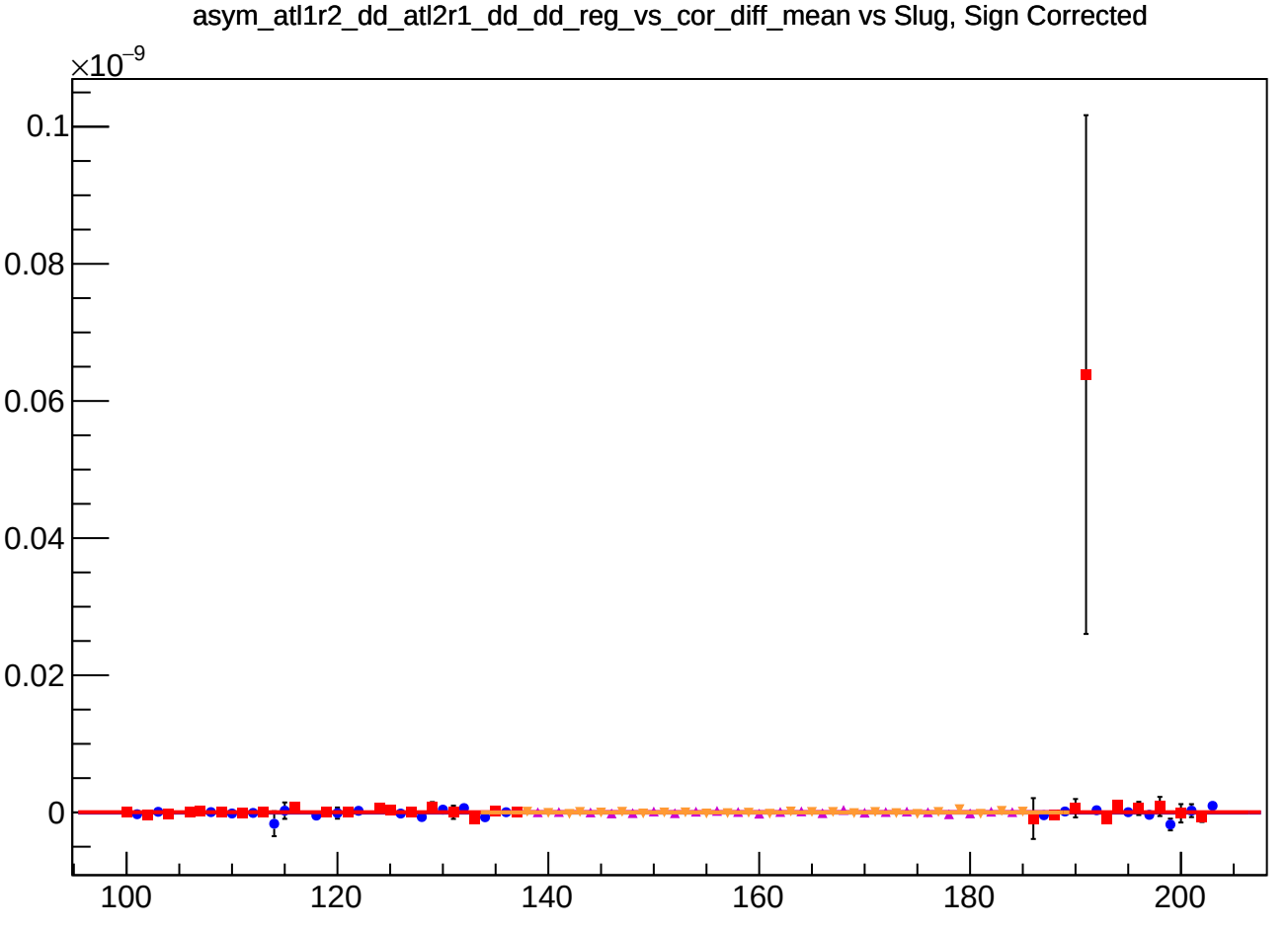
Right: -1166.369+/-826.113 χ^2/NDF: 51.9/52

In: -703.132+/-789.909 χ^2/NDF:46.2/46

Out: -362.801+/-741.172 χ^2/NDF:48.6/53

All: -522.144+/-540.497 χ^2/NDF: 94.9/100


asym_atl1r2_dd_atl2r1_dd_dd_rms vs Slug, Sign Corrected
25000
20000
15000
10000
5000
100
120
140
160
180
200
Right In: 4269.266+/-0.853 χ²/NDF: 1254986.0/23
Left Out: 4187.848+/-0.693 χ²/NDF:1796345.9/24
Right Out: 4054.998+/-0.793 χ²/NDF: 2216998.1/28
Left In: 4394.324+/-0.739 χ²/NDF:1088394.9/22
Left: 4284.479+/-0.505 χ²/NDF: 2926302.1/47
Right: 4154.319+/-0.581 χ²/NDF: 3505797.5/52
In: 4340.761+/-0.559 χ²/NDF:2355655.8/46
Out: 4130.363+/-0.522 χ²/NDF:4029252.2/53
All: 4228.425+/-0.381 χ²/NDF: 6460668.1/10



Right In: -0.000+/-0.000 χ^2/NDF: 27.8/23

Left Out: -0.000+/-0.000 χ^2/NDF:30.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 27.3/28

Left In: 0.000+/-0.000 χ^2/NDF:17.0/22

Left: 0.000+/-0.000 χ^2/NDF: 48.0/47

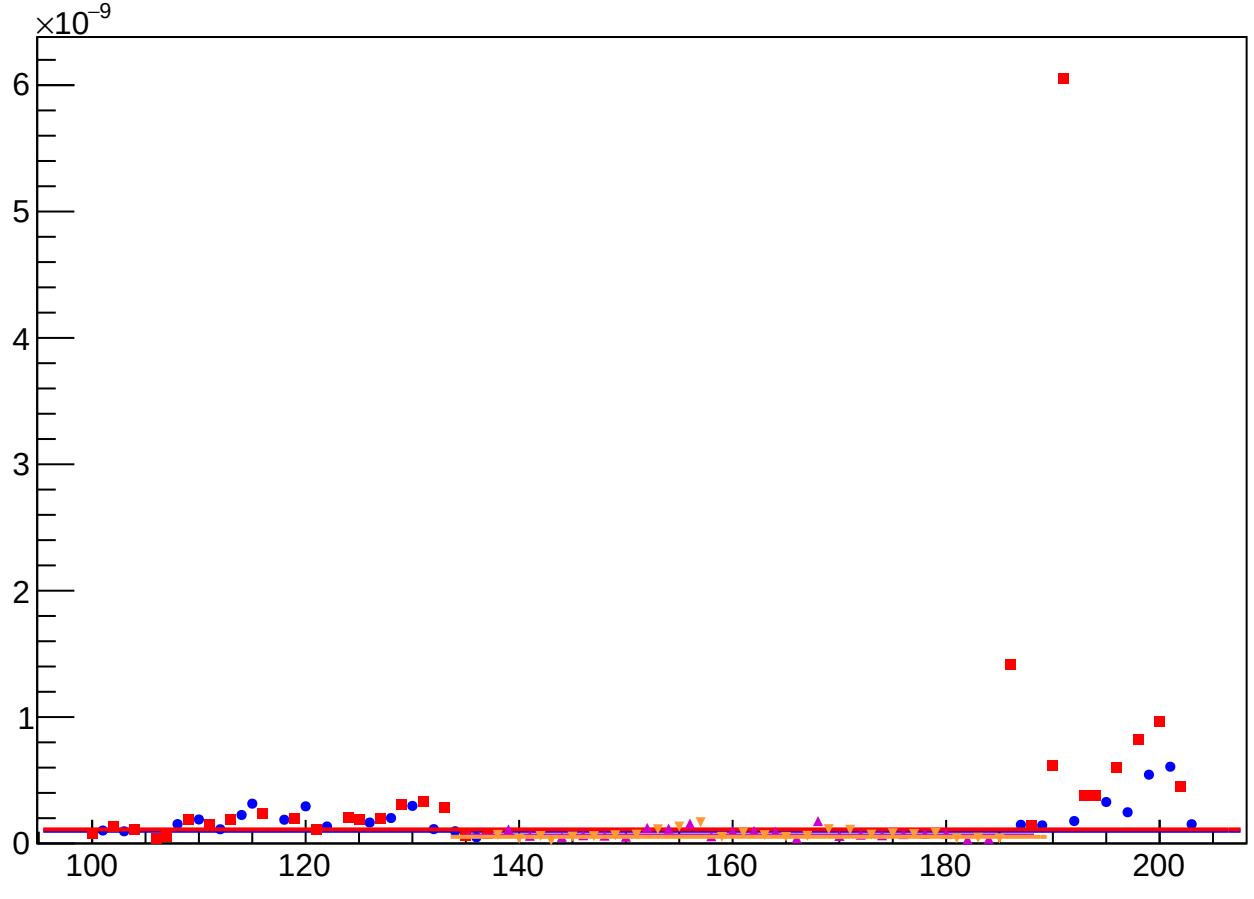
Right: 0.000+/-0.000 χ^2/NDF: 55.6/52

In: 0.000+/-0.000 χ^2/NDF:45.4/46

Out: 0.000+/-0.000 χ^2/NDF:58.0/53

All: 0.000+/-0.000 χ^2/NDF: 103.6/100

asym_atl1r2_dd_atl2r1_dd_dd_reg_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 3122720.1/23

Left Out: 0.000+/-0.000 χ^2/NDF:2628519.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 5500273.4/28

Left In: 0.000+/-0.000 χ^2/NDF:1788279.2/22

Left: 0.000+/-0.000 χ^2/NDF: 4618450.3/47

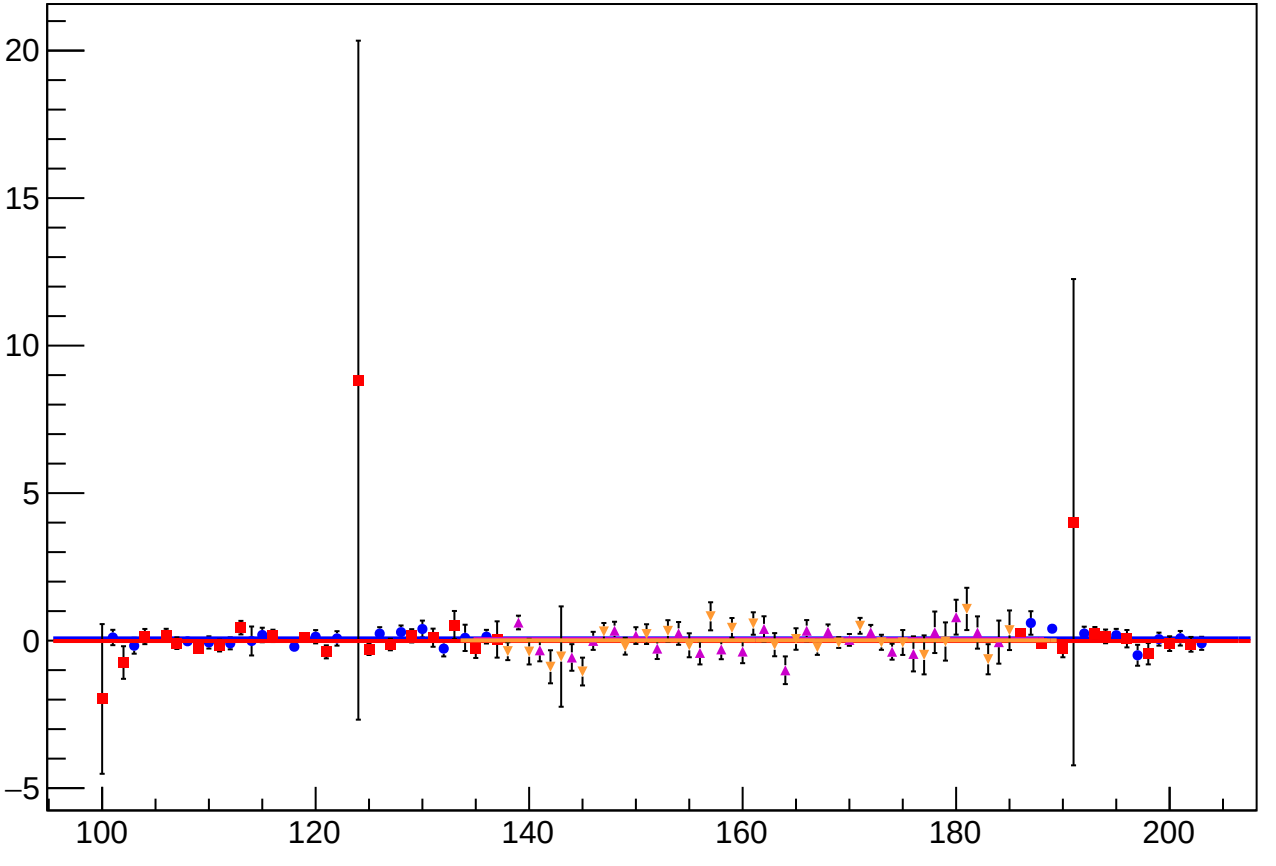
Right: 0.000+/-0.000 χ^2/NDF: 8657067.7/52

In: 0.000+/-0.000 χ^2/NDF:5618775.2/46

Out: 0.000+/-0.000 χ^2/NDF:9745255.7/53

All: 0.000+/-0.000 χ^2/NDF: 15590909.7/100

asym_atl1r2_dd_atl2r1_dd_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.076+/-0.047 χ^2/NDF: 20.4/23

Left Out: 0.009+/-0.071 χ^2/NDF:28.9/24

Right Out: -0.014+/-0.041 χ^2/NDF: 29.3/28

Left In: 0.053+/-0.070 χ^2/NDF:27.8/22

Left: 0.032+/-0.050 χ^2/NDF: 56.8/47

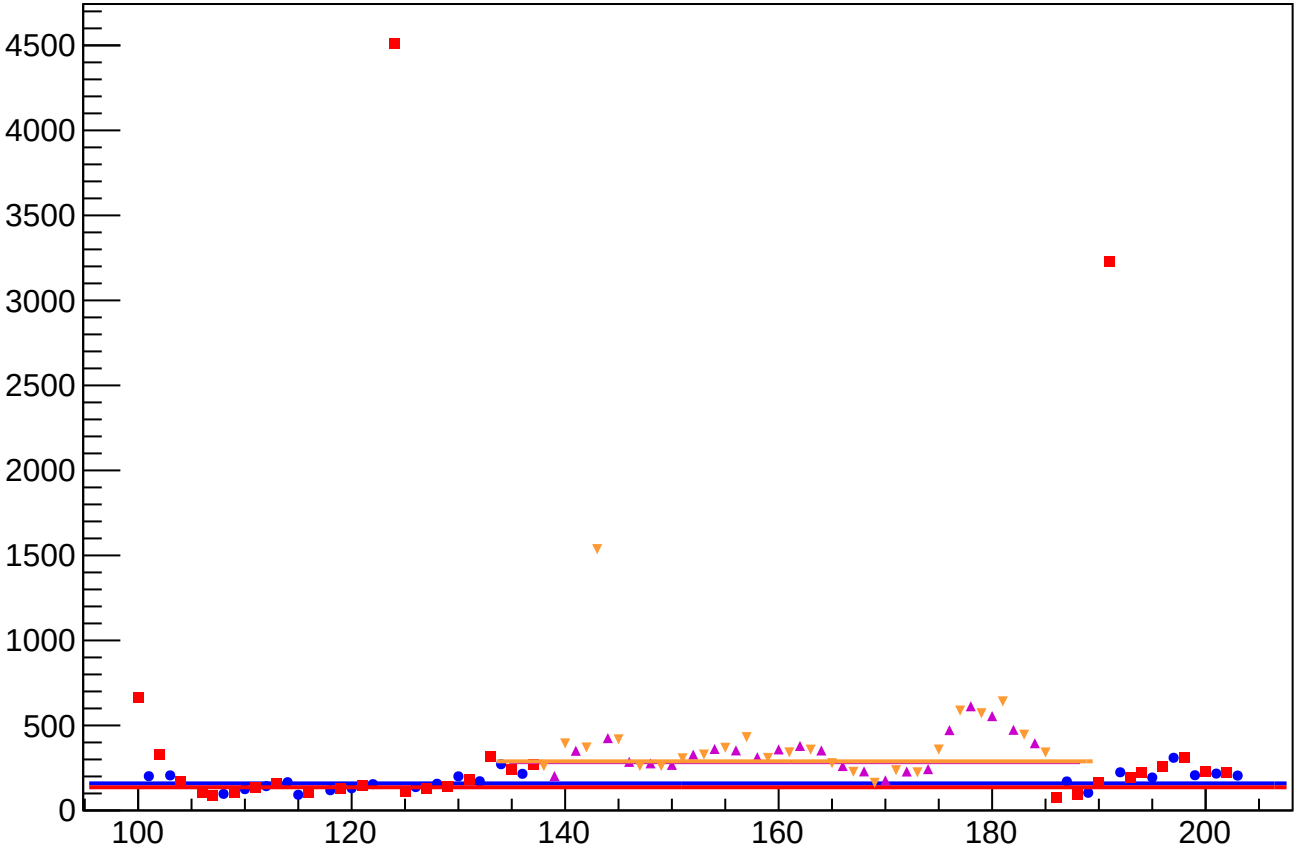
Right: 0.025+/-0.031 χ^2/NDF: 51.9/52

In: 0.069+/-0.039 χ^2/NDF:48.3/46

Out: -0.008+/-0.035 χ^2/NDF:58.3/53

All: 0.027+/-0.026 χ^2/NDF: 108.7/100

asym_atl1r2_dd_atl2r1_dd_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 159.097+/-0.033 χ^2/NDF: 2214803.8/23

Left Out: 288.922+/-0.050 χ^2/NDF:4648197.0/24

Right Out: 136.314+/-0.029 χ^2/NDF: 4527611.9/28

Left In: 284.168+/-0.050 χ^2/NDF:3077521.1/22

Left: 286.524+/-0.035 χ^2/NDF: 7730236.9/47

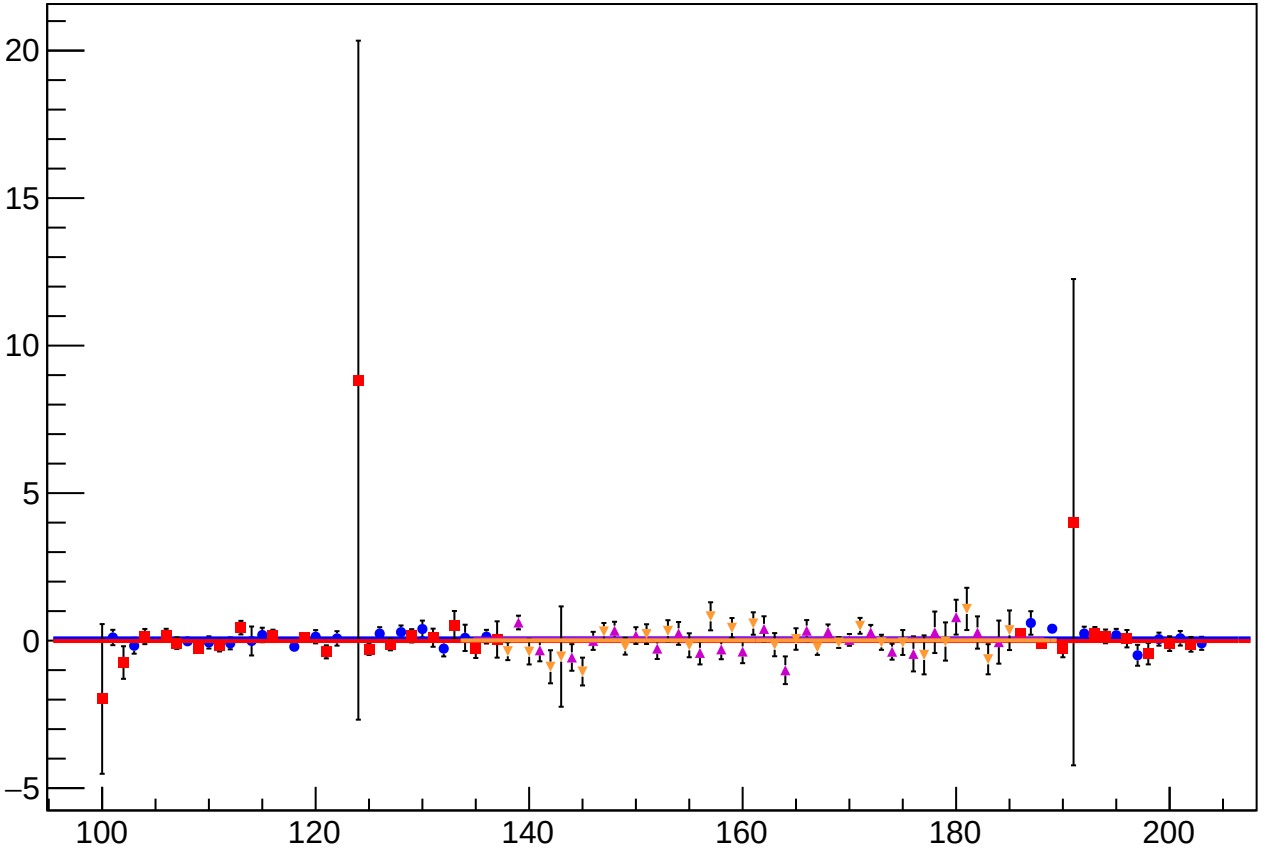
Right: 146.152+/-0.022 χ^2/NDF: 7011001.1/52

In: 197.499+/-0.028 χ^2/NDF:9666024.7/46

Out: 174.260+/-0.025 χ^2/NDF:16114590.7/53

All: 184.759+/-0.019 χ^2/NDF: 26169667.9/10

asym_atl1r2_dd_atl2r1_dd_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.076+/-0.047 χ^2/NDF: 20.4/23

Left Out: 0.009+/-0.071 χ^2/NDF:28.9/24

Right Out: -0.014+/-0.041 χ^2/NDF: 29.3/28

Left In: 0.053+/-0.070 χ^2/NDF:27.8/22

Left: 0.032+/-0.050 χ^2/NDF: 56.8/47

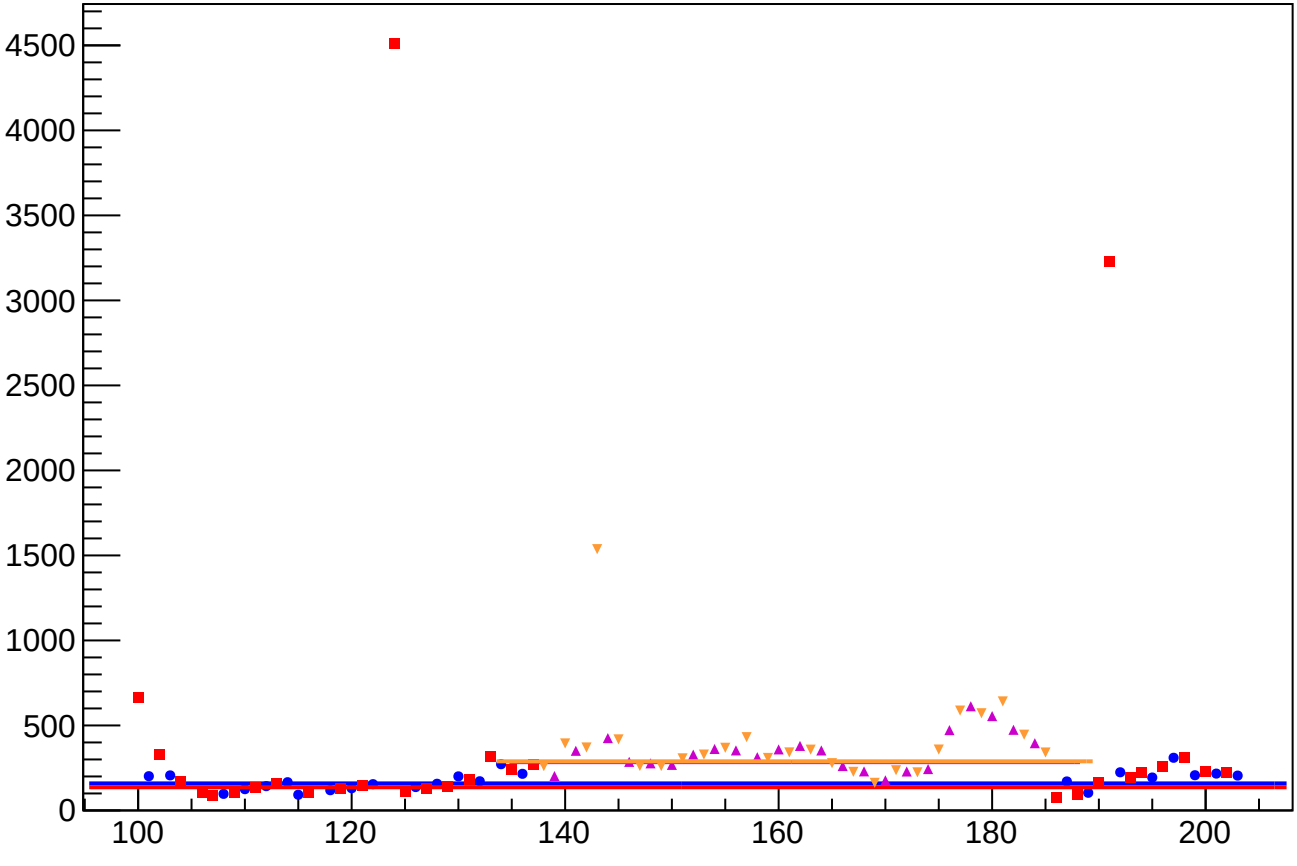
Right: 0.025+/-0.031 χ^2/NDF: 51.9/52

In: 0.069+/-0.039 χ^2/NDF:48.3/46

Out: -0.008+/-0.035 χ^2/NDF:58.3/53

All: 0.027+/-0.026 χ^2/NDF: 108.7/100

asym_atl1r2_dd_atl2r1_dd_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 159.097+/-0.033 χ^2/NDF: 2214803.8/23

Left Out: 288.922+/-0.050 χ^2/NDF:4648197.0/24

Right Out: 136.314+/-0.029 χ^2/NDF: 4527611.9/28

Left In: 284.168+/-0.050 χ^2/NDF:3077521.1/22

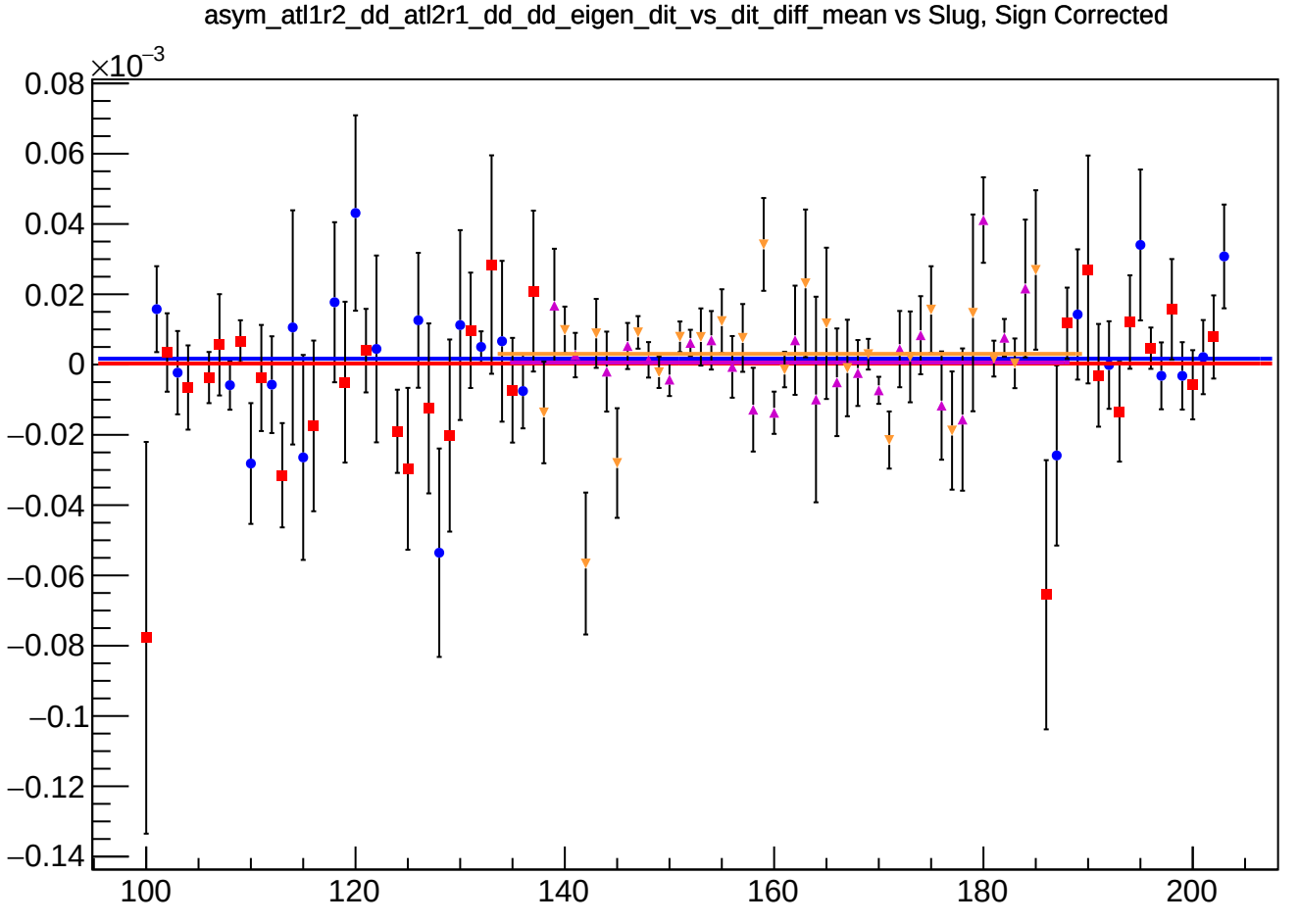
Left: 286.524+/-0.035 χ^2/NDF: 7730236.9/47

Right: 146.152+/-0.022 χ^2/NDF: 7011001.1/52

In: 197.499+/-0.028 χ^2/NDF:9666024.7/46

Out: 174.260+/-0.025 χ^2/NDF:16114590.7/53

All: 184.759+/-0.019 χ^2/NDF: 26169667.9/10



Right In: 0.000+/-0.000 χ^2/NDF: 23.2/23

Left Out: 0.000+/-0.000 χ^2/NDF:42.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 25.9/28

Left In: 0.000+/-0.000 χ^2/NDF:33.2/22

Left: 0.000+/-0.000 χ^2/NDF: 76.7/47

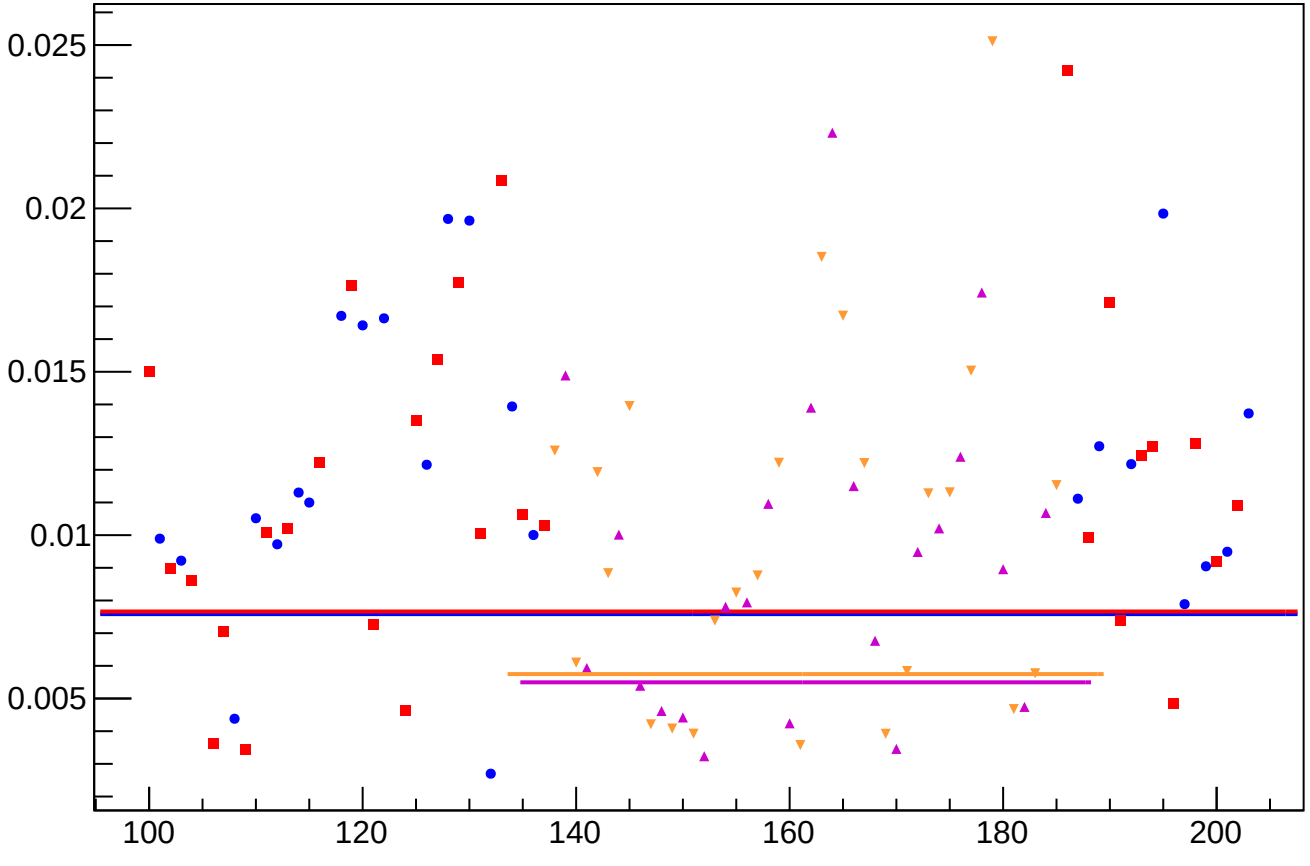
Right: 0.000+/-0.000 χ^2/NDF: 49.3/52

In: 0.000+/-0.000 χ^2/NDF:56.6/46

Out: 0.000+/-0.000 χ^2/NDF:69.1/53

All: 0.000+/-0.000 χ^2/NDF: 126.2/100

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: 6556165.2/23

Left Out: 0.006+/-0.000 χ^2/NDF:8128513.8/24

Right Out: 0.008+/-0.000 χ^2/NDF: 5592055.6/28

Left In: 0.005+/-0.000 χ^2/NDF:6937299.0/22

Left: 0.006+/-0.000 χ^2/NDF: 15093250.6/47

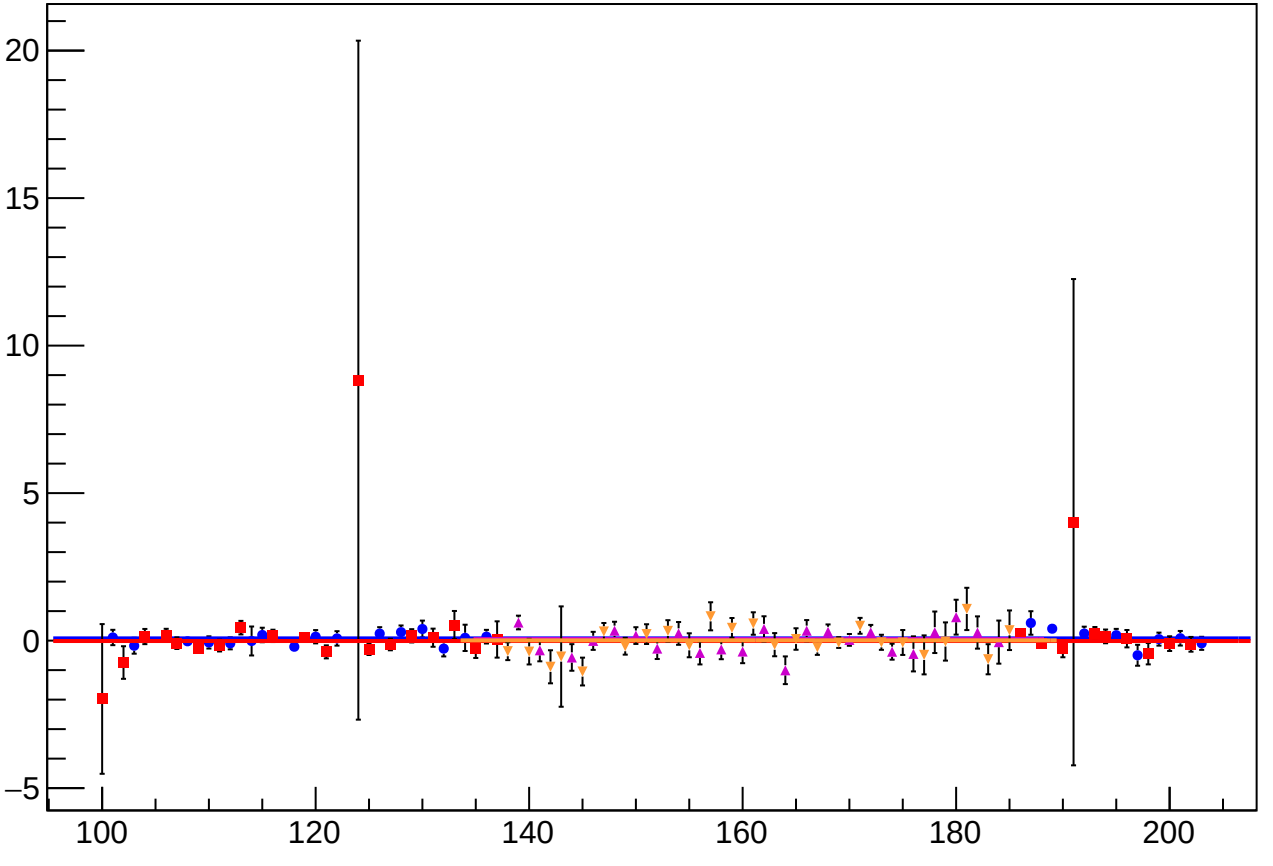
Right: 0.008+/-0.000 χ^2/NDF: 12149351.7/52

In: 0.006+/-0.000 χ^2/NDF:14537234.9/46

Out: 0.006+/-0.000 χ^2/NDF:14682246.1/53

All: 0.006+/-0.000 χ^2/NDF: 29260174.0/100

asym_atl1r2_dd_atl2r1_dd_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.076+/-0.047 χ^2/NDF: 20.4/23

Left Out: 0.009+/-0.071 χ^2/NDF:28.9/24

Right Out: -0.014+/-0.041 χ^2/NDF: 29.3/28

Left In: 0.053+/-0.070 χ^2/NDF:27.8/22

Left: 0.032+/-0.050 χ^2/NDF: 56.8/47

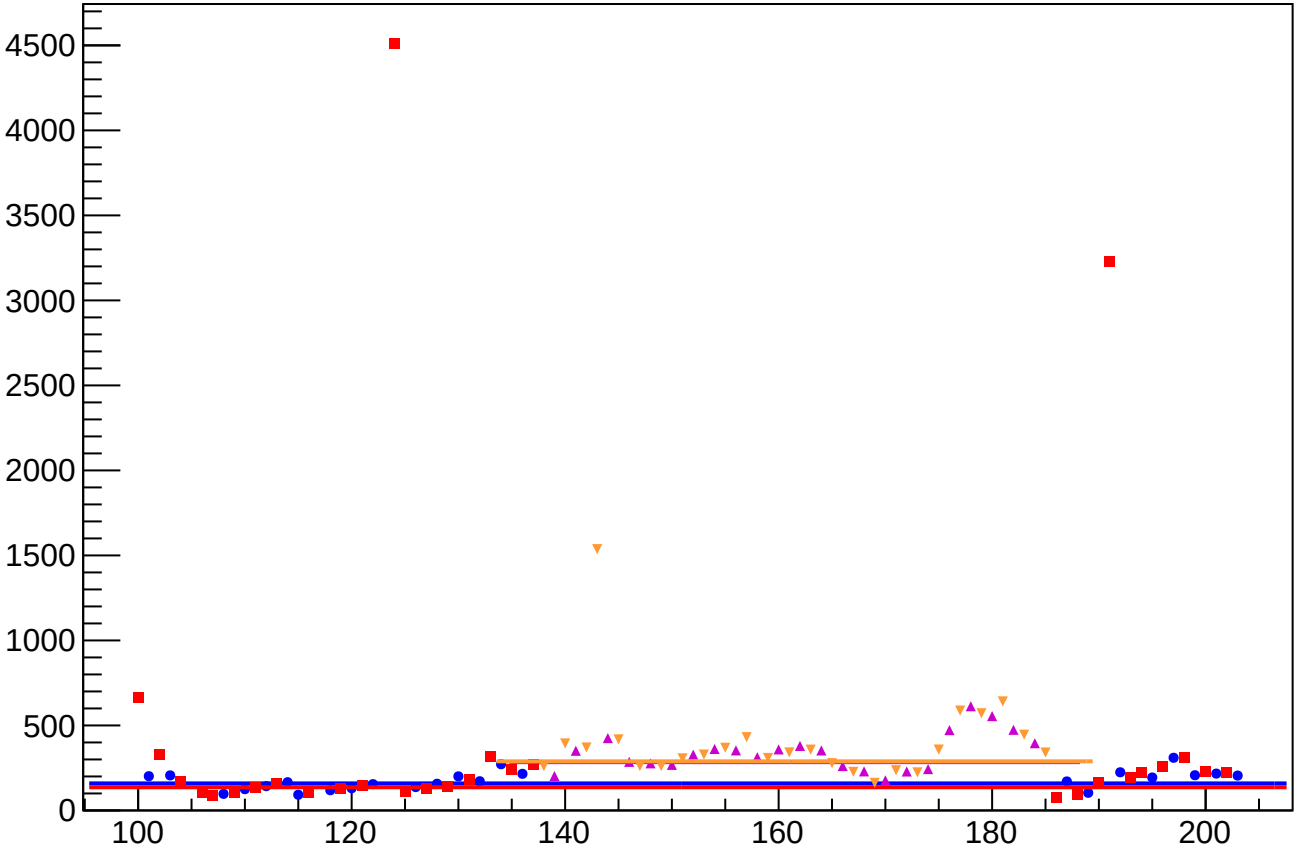
Right: 0.025+/-0.031 χ^2/NDF: 51.8/52

In: 0.069+/-0.039 χ^2/NDF:48.3/46

Out: -0.008+/-0.035 χ^2/NDF:58.3/53

All: 0.027+/-0.026 χ^2/NDF: 108.7/100

asym_atl1r2_dd_atl2r1_dd_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 159.097+/-0.033 χ^2/NDF: 2214809.2/23

Left Out: 288.922+/-0.050 χ^2/NDF:4648388.8/24

Right Out: 136.316+/-0.029 χ^2/NDF: 4527430.8/28

Left In: 284.170+/-0.050 χ^2/NDF:3077626.7/22

Left: 286.525+/-0.035 χ^2/NDF: 7730531.8/47

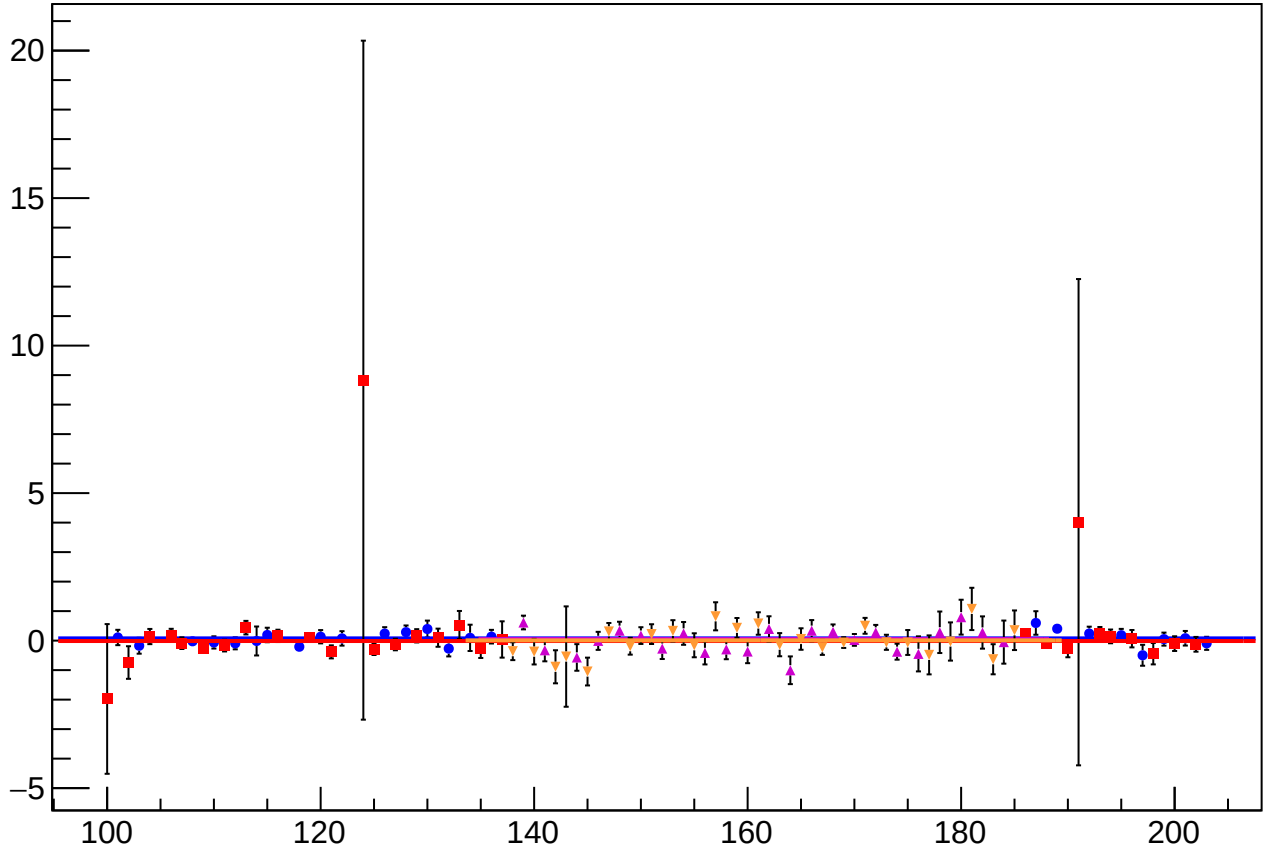
Right: 146.153+/-0.022 χ^2/NDF: 7010772.8/52

In: 197.498+/-0.028 χ^2/NDF:9666233.6/46

Out: 174.262+/-0.025 χ^2/NDF:16114392.7/53

All: 184.759+/-0.019 χ^2/NDF: 26169610.7/10

asym_atl1r2_dd_atl2r1_dd_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.076+/-0.047 χ^2/NDF: 20.4/23

Left Out: 0.009+/-0.071 χ^2/NDF:28.9/24

Right Out: -0.014+/-0.041 χ^2/NDF: 29.3/28

Left In: 0.053+/-0.070 χ^2/NDF:27.8/22

Left: 0.032+/-0.050 χ^2/NDF: 56.8/47

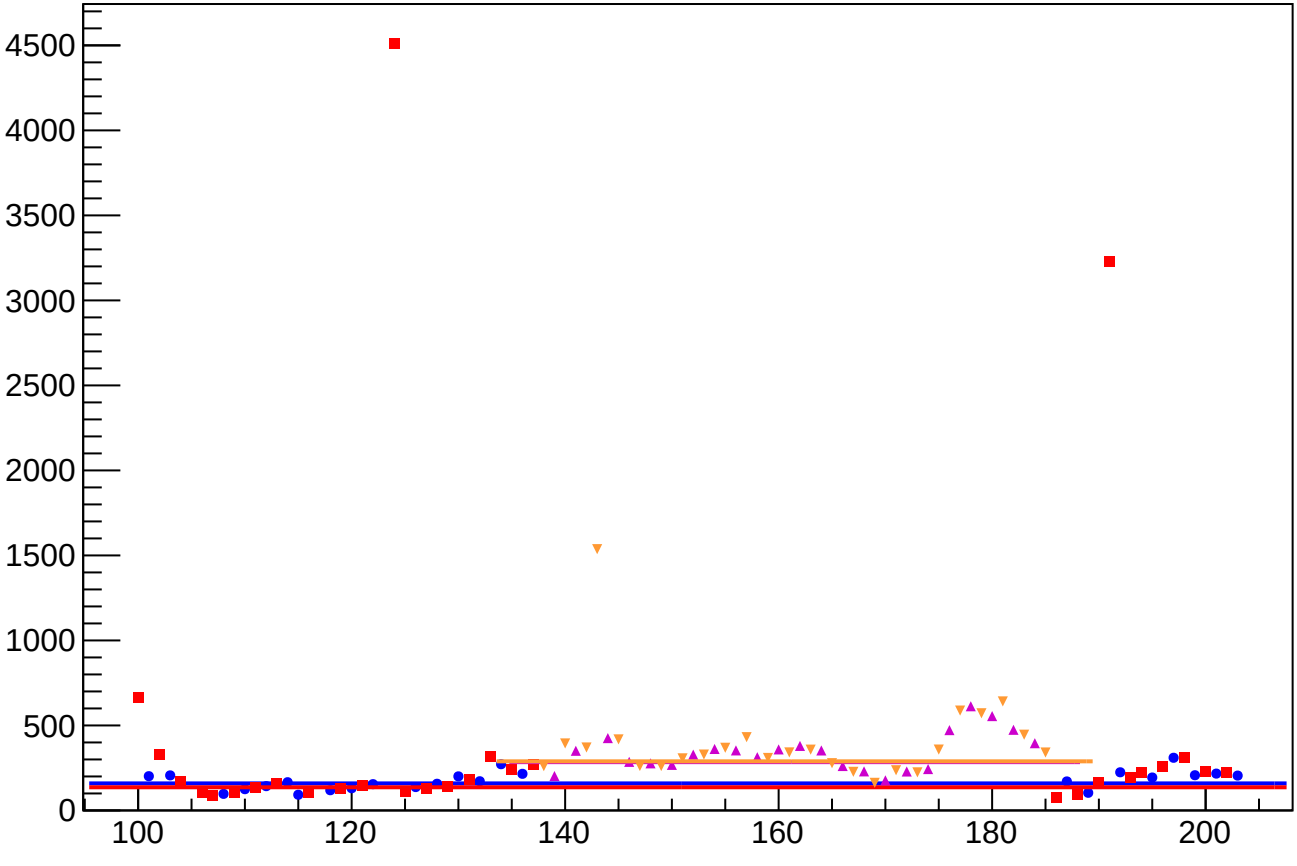
Right: 0.025+/-0.031 χ^2/NDF: 51.8/52

In: 0.069+/-0.039 χ^2/NDF:48.3/46

Out: -0.008+/-0.035 χ^2/NDF:58.3/53

All: 0.027+/-0.026 χ^2/NDF: 108.7/100

asym_atl1r2_dd_atl2r1_dd_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 159.097+/-0.033 χ^2/NDF: 2214809.2/23

Left Out: 288.922+/-0.050 χ^2/NDF:4648388.8/24

Right Out: 136.316+/-0.029 χ^2/NDF: 4527430.8/28

Left In: 284.170+/-0.050 χ^2/NDF:3077626.7/22

Left: 286.525+/-0.035 χ^2/NDF: 7730531.8/47

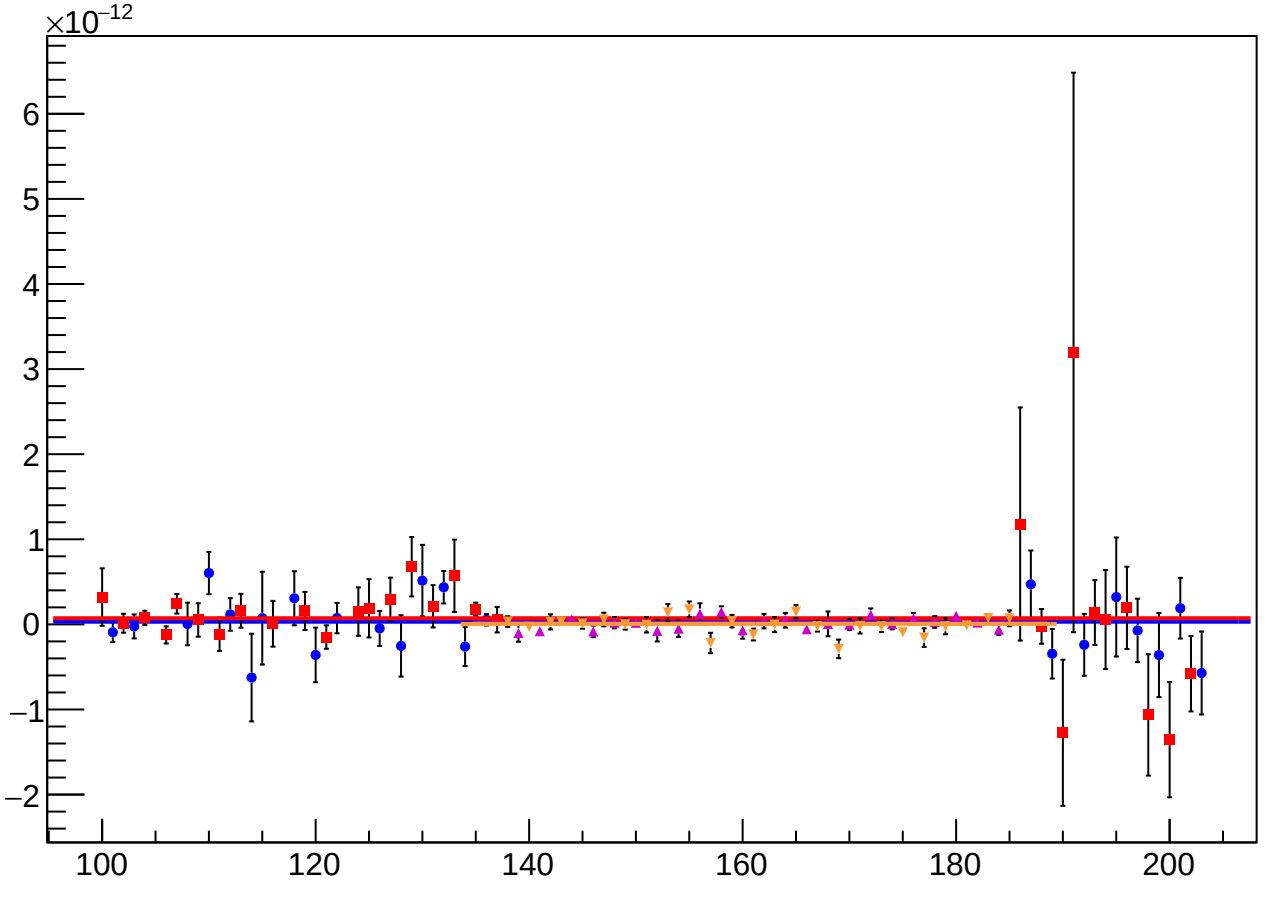
Right: 146.153+/-0.022 χ^2/NDF: 7010772.8/52

In: 197.498+/-0.028 χ^2/NDF:9666233.6/46

Out: 174.262+/-0.025 χ^2/NDF:16114392.7/53

All: 184.759+/-0.019 χ^2/NDF: 26169610.7/10

asym_atl1r2_dd_atl2r1_dd_dd_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 25.1/23

Left Out: 0.000+/-0.000 χ^2/NDF:34.1/24

Right Out: 0.000+/-0.000 χ^2/NDF: 31.8/28

Left In: 0.000+/-0.000 χ^2/NDF:23.2/22

Left: 0.000+/-0.000 χ^2/NDF: 57.6/47

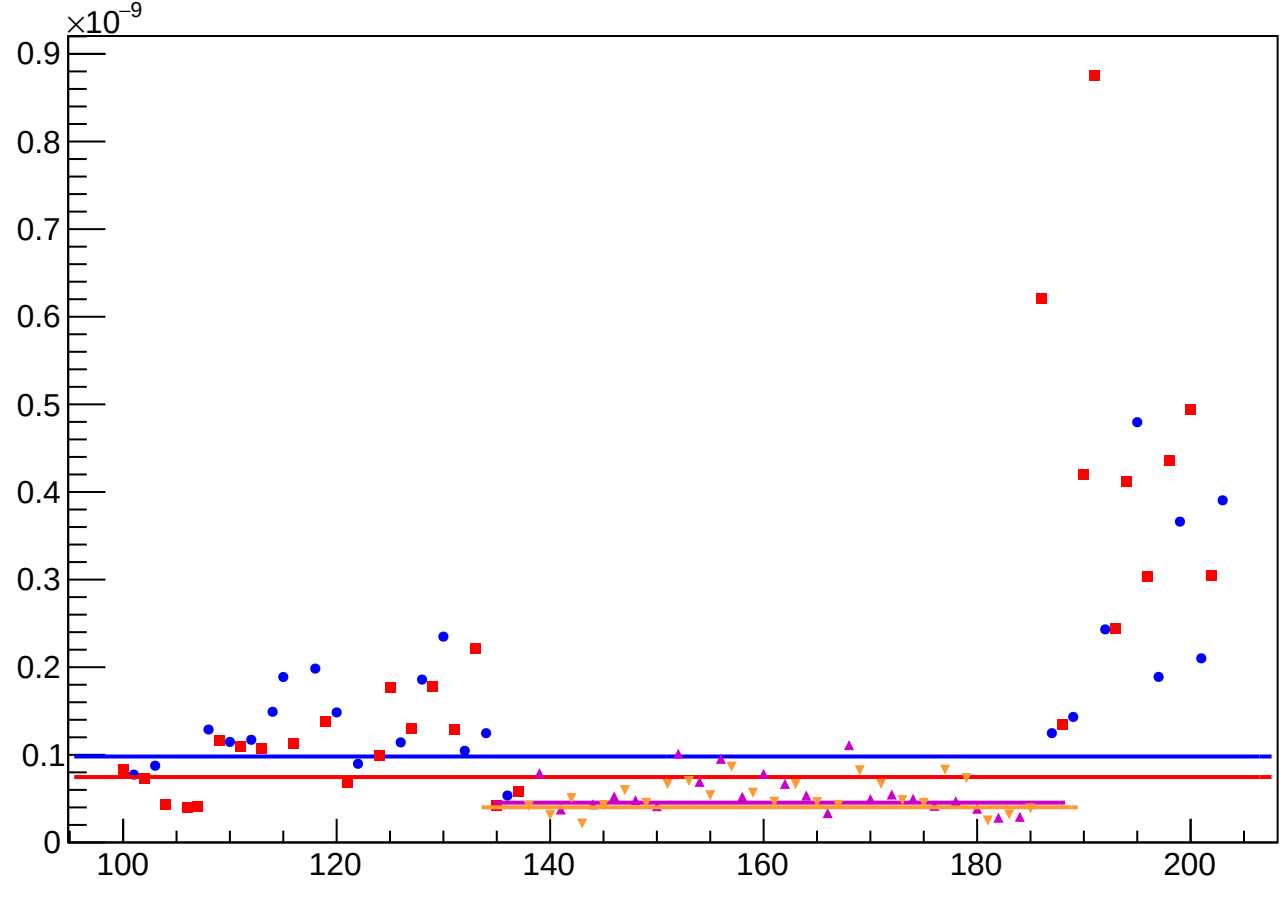
Right: 0.000+/-0.000 χ^2/NDF: 57.6/52

In: 0.000+/-0.000 χ^2/NDF:48.5/46

Out: 0.000+/-0.000 χ^2/NDF:69.5/53

All: 0.000+/-0.000 χ^2/NDF: 118.0/100

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: 4310749.4/23

Left Out: 0.000+/-0.000 χ^2/NDF:3609934.1/24

Right Out: 0.000+/-0.000 χ^2/NDF: 6578873.6/28

Left In: 0.000+/-0.000 χ^2/NDF:2780344.5/22

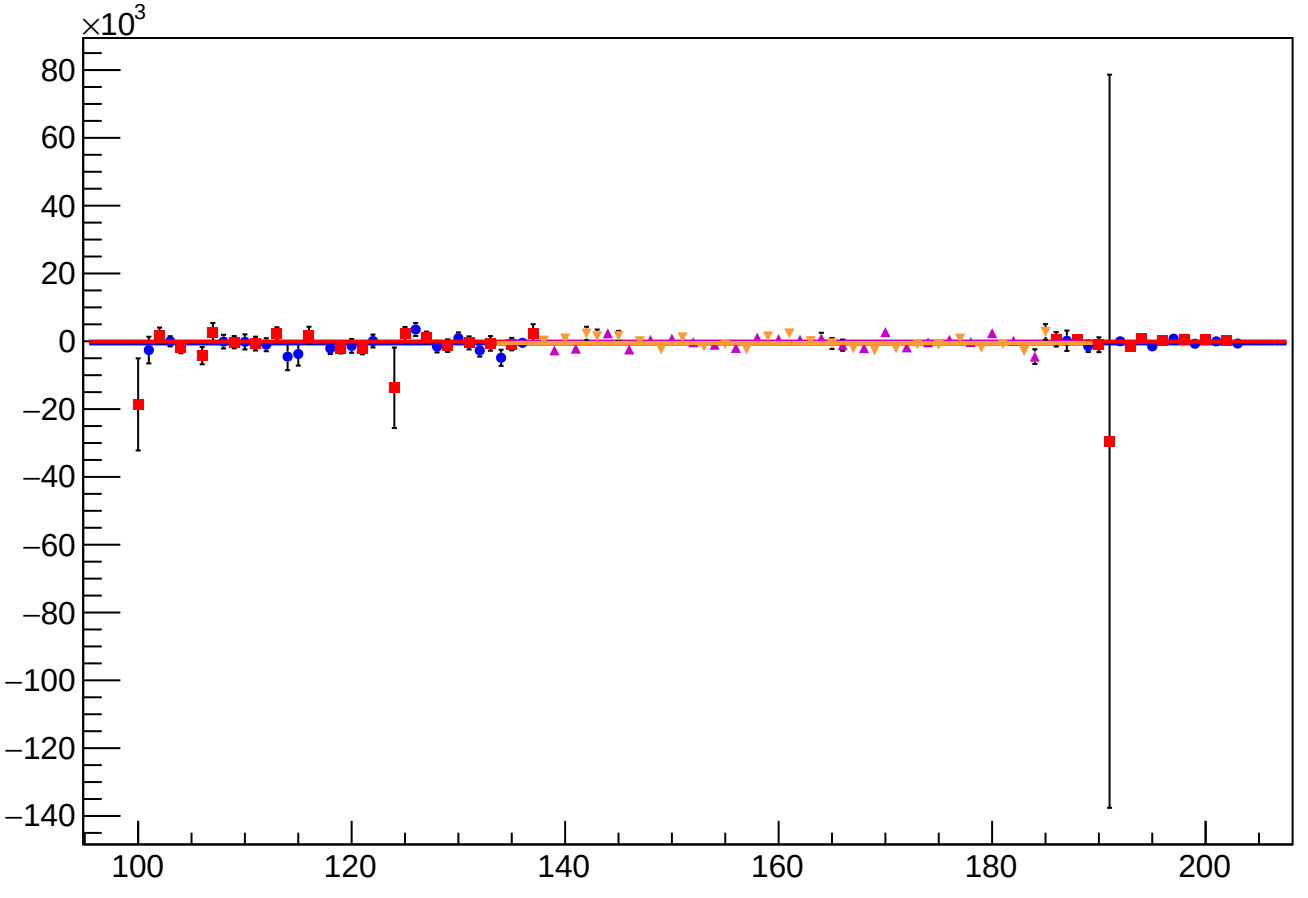
Left: 0.000+/-0.000 χ^2/NDF: 6559252.5/47

Right: 0.000+/-0.000 χ^2/NDF: 11284602.1/52

In: 0.000+/-0.000 χ^2/NDF:10080079.2/46

Out: 0.000+/-0.000 χ^2/NDF:12087690.0/53

All: 0.000+/-0.000 χ^2/NDF: 22445538.4/100



Right In: -637.841+/-355.983 χ^2/NDF: 15.6/23

Left Out: -514.484+/-285.945 χ^2/NDF:30.9/24

Right Out: -72.257+/-345.911 χ^2/NDF: 18.6/28

Left In: -242.686+/-291.166 χ^2/NDF:32.0/22

Left: -381.044+/-204.014 χ^2/NDF: 63.4/47

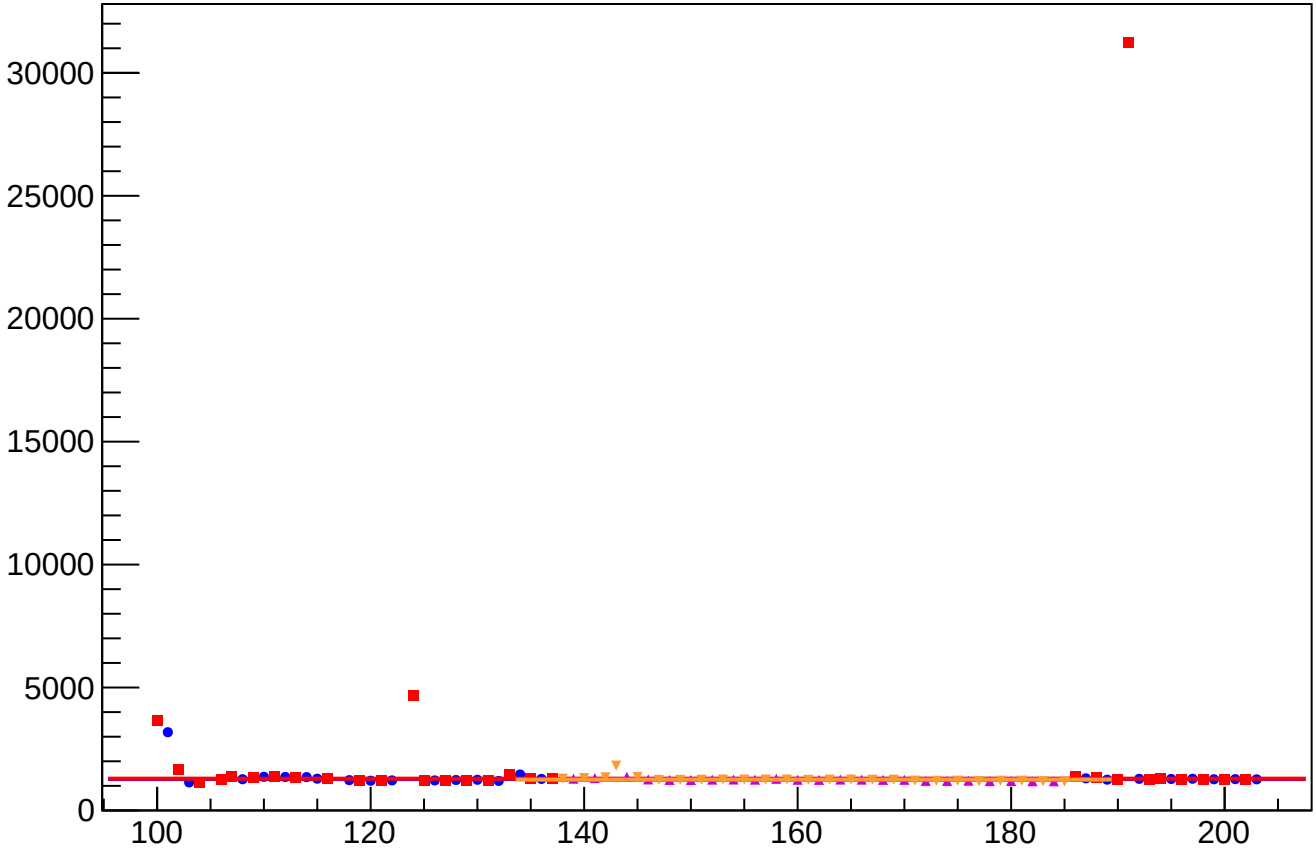
Right: -346.935+/-248.081 χ^2/NDF: 35.5/52

In: -401.079+/-225.379 χ^2/NDF:48.4/46

Out: -334.966+/-220.392 χ^2/NDF:50.5/53

All: -367.283+/-157.574 χ^2/NDF: 99.0/100

reg_asym_atl1r2_dd_atl2r1_dd_avg_rms vs Slug, Sign Corrected



Right In: 1281.200+/-0.252 χ^2/NDF: 519673.8/23

Left Out: 1255.514+/-0.202 χ^2/NDF:203124.1/24

Right Out: 1292.268+/-0.245 χ^2/NDF: 491862.7/28

Left In: 1246.355+/-0.206 χ^2/NDF:39857.0/22

Left: 1251.017+/-0.144 χ^2/NDF: 243988.6/47

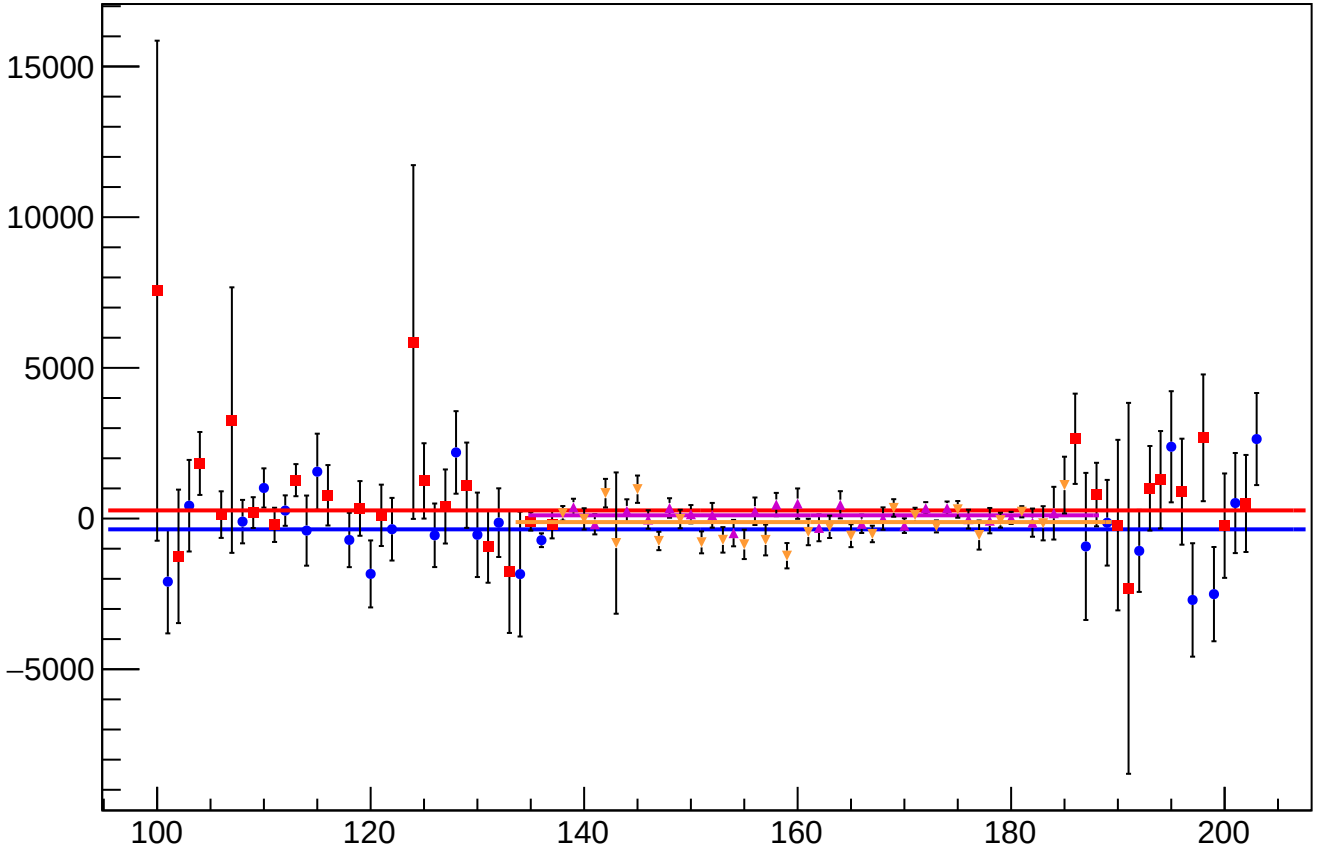
Right: 1286.893+/-0.175 χ^2/NDF: 1012530.8/52

In: 1260.322+/-0.159 χ^2/NDF:571012.8/46

Out: 1270.434+/-0.156 χ^2/NDF:708400.0/53

All: 1265.491+/-0.111 χ^2/NDF: 1281470.8/10

asym_atl1r2_dd_atl2r1_dd_avg_reg_correction_mean vs Slug, Sign Corrected



Right In: -358.361+/-161.534 χ^2/NDF: 28.3/23

Left Out: -117.028+/-65.059 χ^2/NDF:48.4/24

Right Out: 270.303+/-161.310 χ^2/NDF: 20.1/28

Left In: 107.341+/-67.001 χ^2/NDF:13.7/22

Left: -8.142+/-46.675 χ^2/NDF: 67.9/47

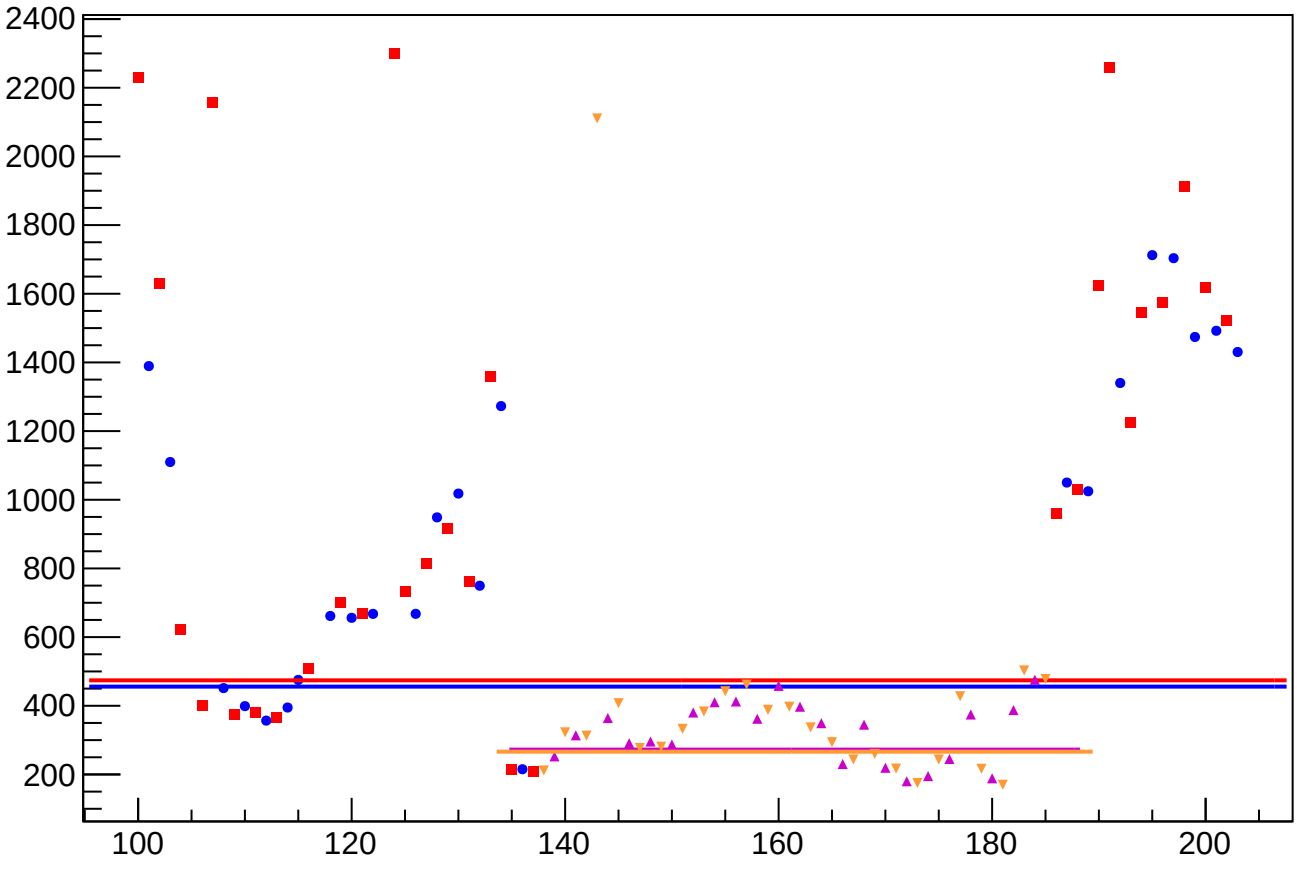
Right: -43.592+/-114.143 χ^2/NDF: 55.9/52

In: 38.982+/-61.888 χ^2/NDF:49.1/46

Out: -62.838+/-60.336 χ^2/NDF:73.5/53

All: -13.221+/-43.203 χ^2/NDF: 124.0/100

asym_atl1r2_dd_atl2r1_dd_avg_reg_correction_rms vs Slug, Sign Corrected



Right In: 455.835+/-0.114 χ^2/NDF: 10162596.3/23

Left Out: 266.321+/-0.046 χ^2/NDF:4630130.4/24

Right Out: 474.093+/-0.114 χ^2/NDF: 10784427.7/28

Left In: 272.368+/-0.047 χ^2/NDF:2887823.5/22

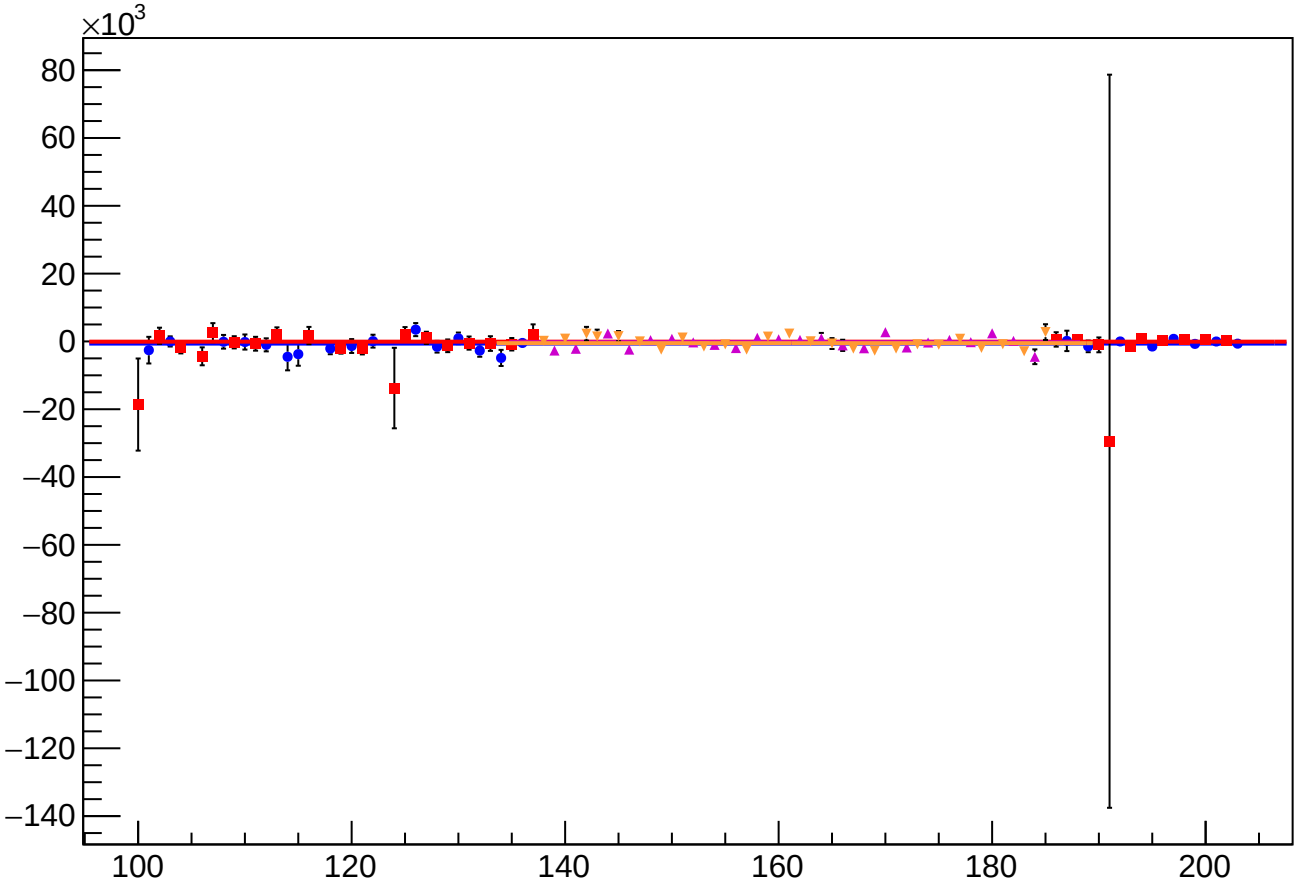
Left: 269.255+/-0.033 χ^2/NDF: 7526339.3/47

Right: 464.976+/-0.081 χ^2/NDF: 20959817.1/52

In: 299.298+/-0.044 χ^2/NDF:15251691.7/46

Out: 295.389+/-0.043 χ^2/NDF:18268382.7/53

All: 297.294+/-0.031 χ^2/NDF: 33524165.5/10



Right In: -637.671+/-355.983 χ^2/NDF: 15.6/23

Left Out: -514.430+/-285.945 χ^2/NDF:30.9/24

Right Out: -70.608+/-346.100 χ^2/NDF: 18.7/28

Left In: -242.663+/-291.166 χ^2/NDF:32.0/22

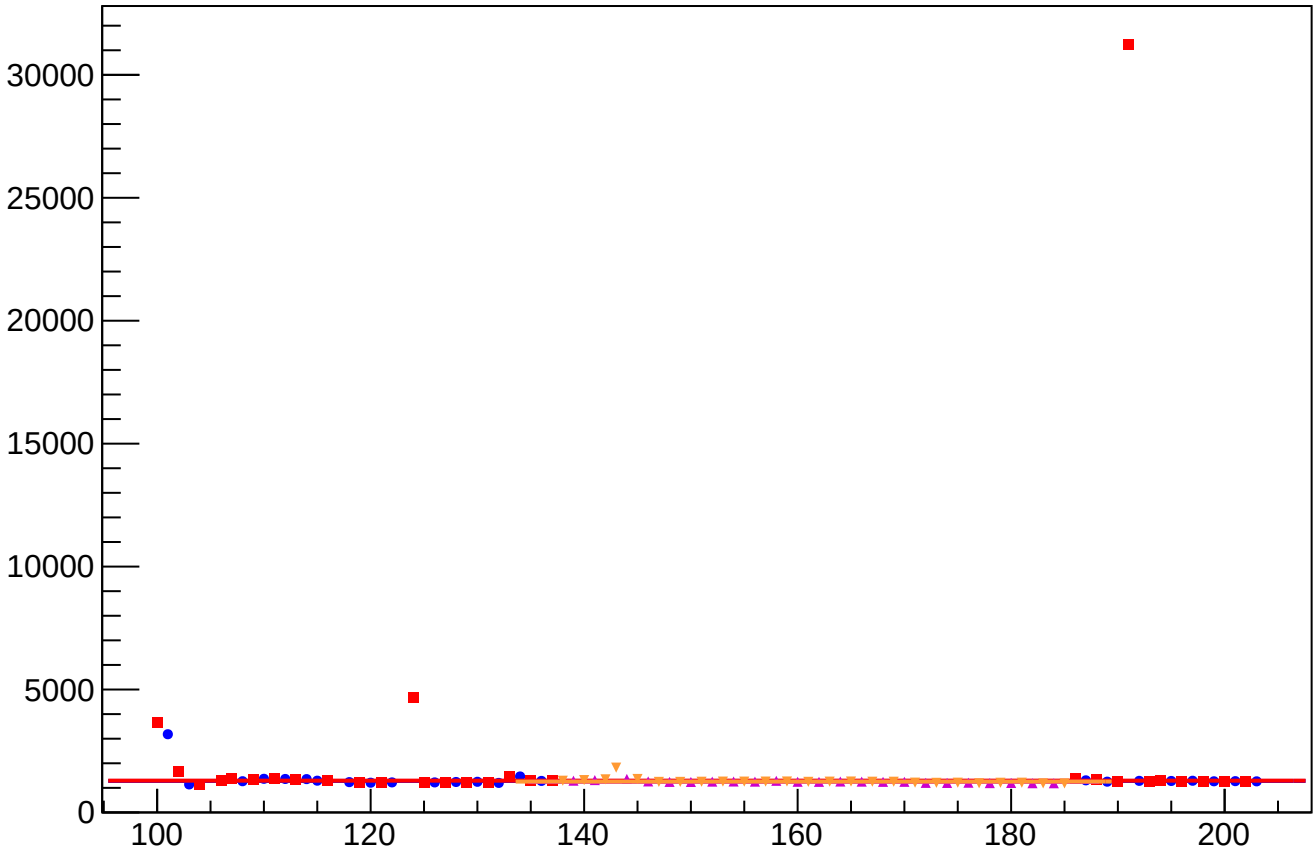
Left: -381.005+/-204.014 χ^2/NDF: 63.4/47

Right: -346.159+/-248.150 χ^2/NDF: 35.6/52

In: -400.997+/-225.379 χ^2/NDF:48.4/46

Out: -334.381+/-220.441 χ^2/NDF:50.6/53

All: -366.951+/-157.592 χ^2/NDF: 99.0/100



Right In: 1281.200+/-0.252 χ^2/NDF: 519675.2/23

Left Out: 1255.514+/-0.202 χ^2/NDF:203124.0/24

Right Out: 1292.999+/-0.245 χ^2/NDF: 491633.3/28

Left In: 1246.355+/-0.206 χ^2/NDF:39857.0/22

Left: 1251.017+/-0.144 χ^2/NDF: 243988.6/47

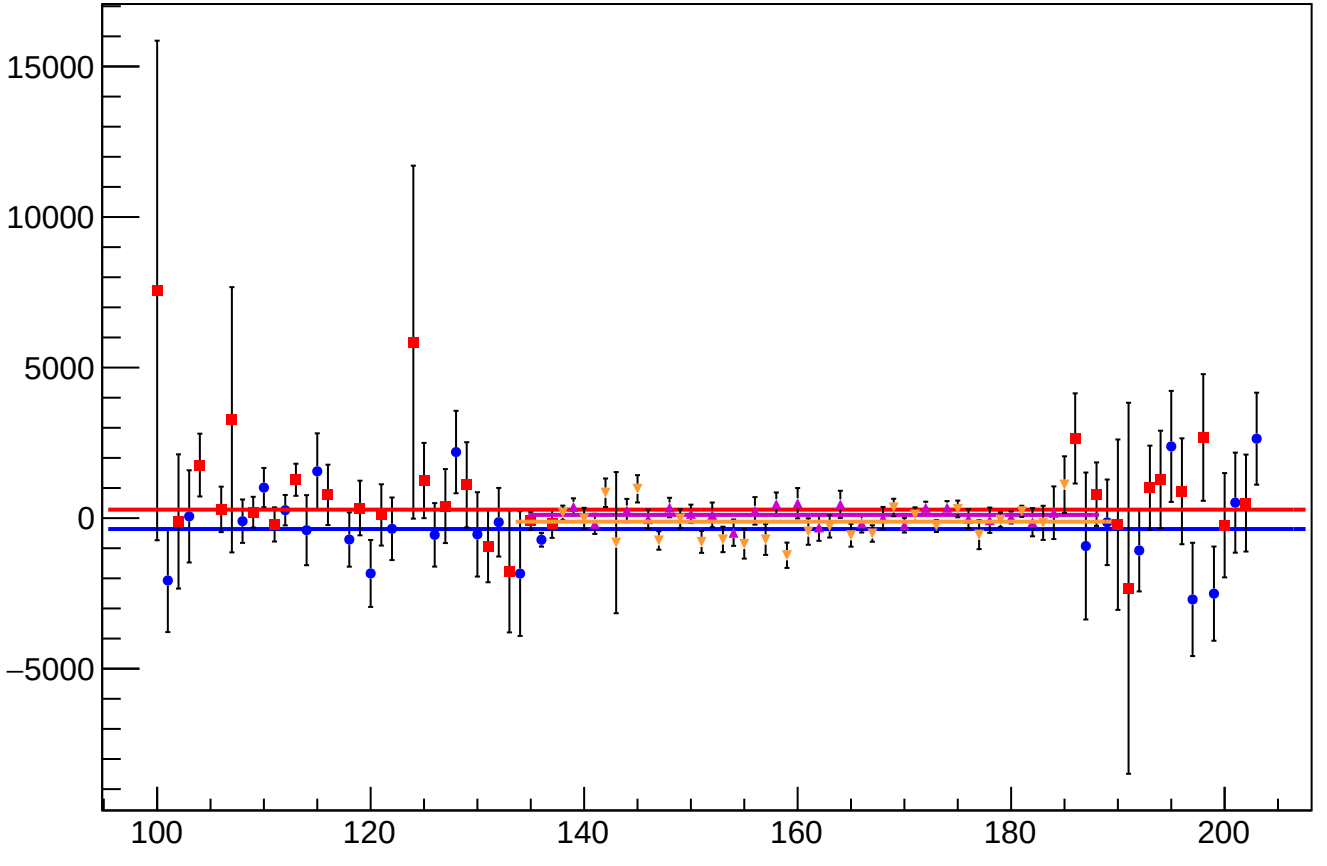
Right: 1287.265+/-0.175 χ^2/NDF: 1012437.9/52

In: 1260.322+/-0.159 χ^2/NDF:571014.1/46

Out: 1270.721+/-0.156 χ^2/NDF:708700.3/53

All: 1265.636+/-0.111 χ^2/NDF: 1281890.4/10

asym_atl1r2_dd_atl2r1_dd_avg_cor_correction_mean vs Slug, Sign Corrected



Right In: -362.465+/-161.552 χ^2/NDF: 28.1/23

Left Out: -117.002+/-65.060 χ^2/NDF:48.4/24

Right Out: 282.079+/-161.139 χ^2/NDF: 19.4/28

Left In: 107.459+/-67.003 χ^2/NDF:13.7/22

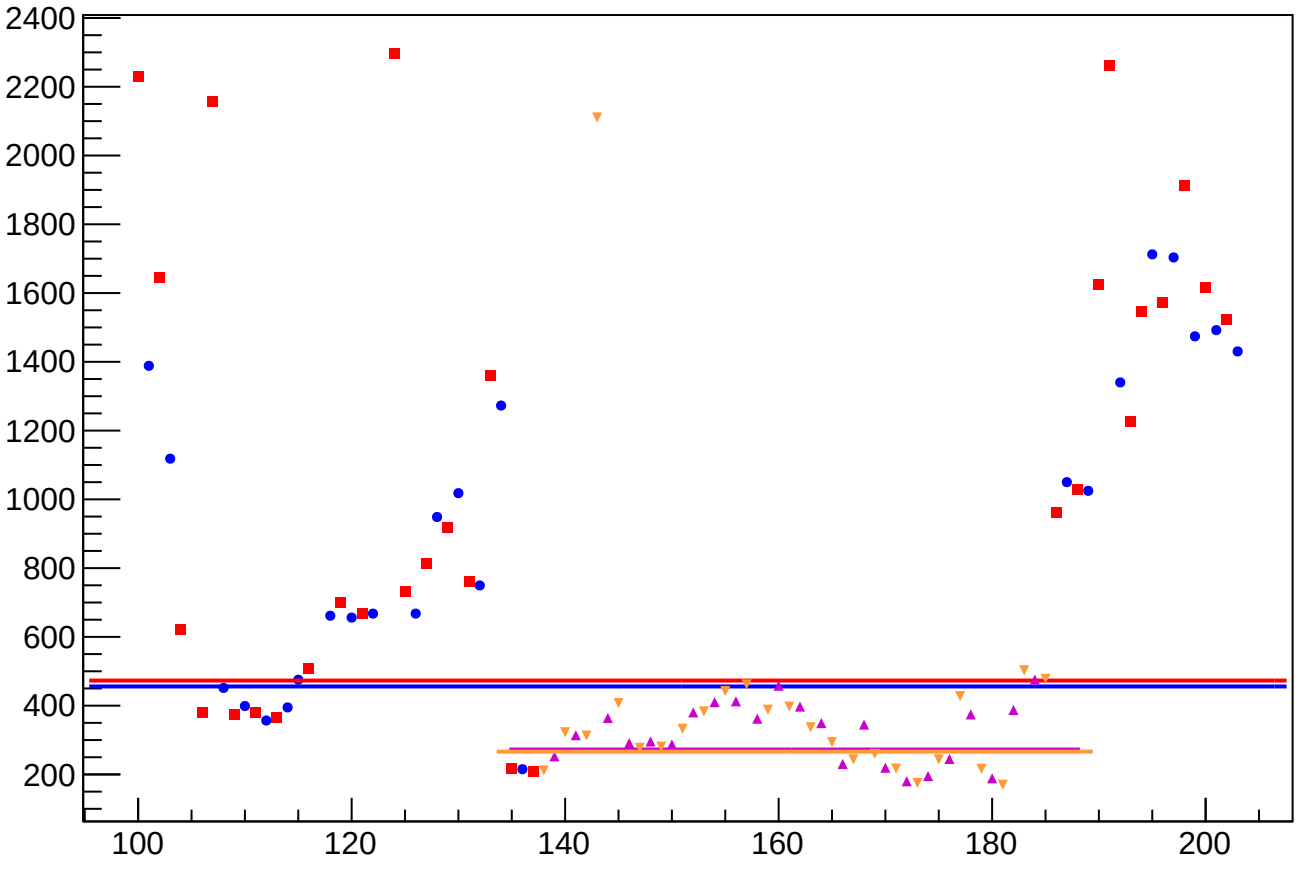
Left: -8.072+/-46.676 χ^2/NDF: 68.0/47

Right: -39.370+/-114.088 χ^2/NDF: 55.4/52

In: 38.490+/-61.891 χ^2/NDF:49.0/46

Out: -61.064+/-60.329 χ^2/NDF:73.1/53

All: -12.560+/-43.200 χ^2/NDF: 123.5/100



Right In: 455.844+/-0.114 χ^2/NDF: 10165734.7/23

Left Out: 266.326+/-0.046 χ^2/NDF:4630167.4/24

Right Out: 473.051+/-0.114 χ^2/NDF: 10803259.3/28

Left In: 272.378+/-0.047 χ^2/NDF:2887597.1/22

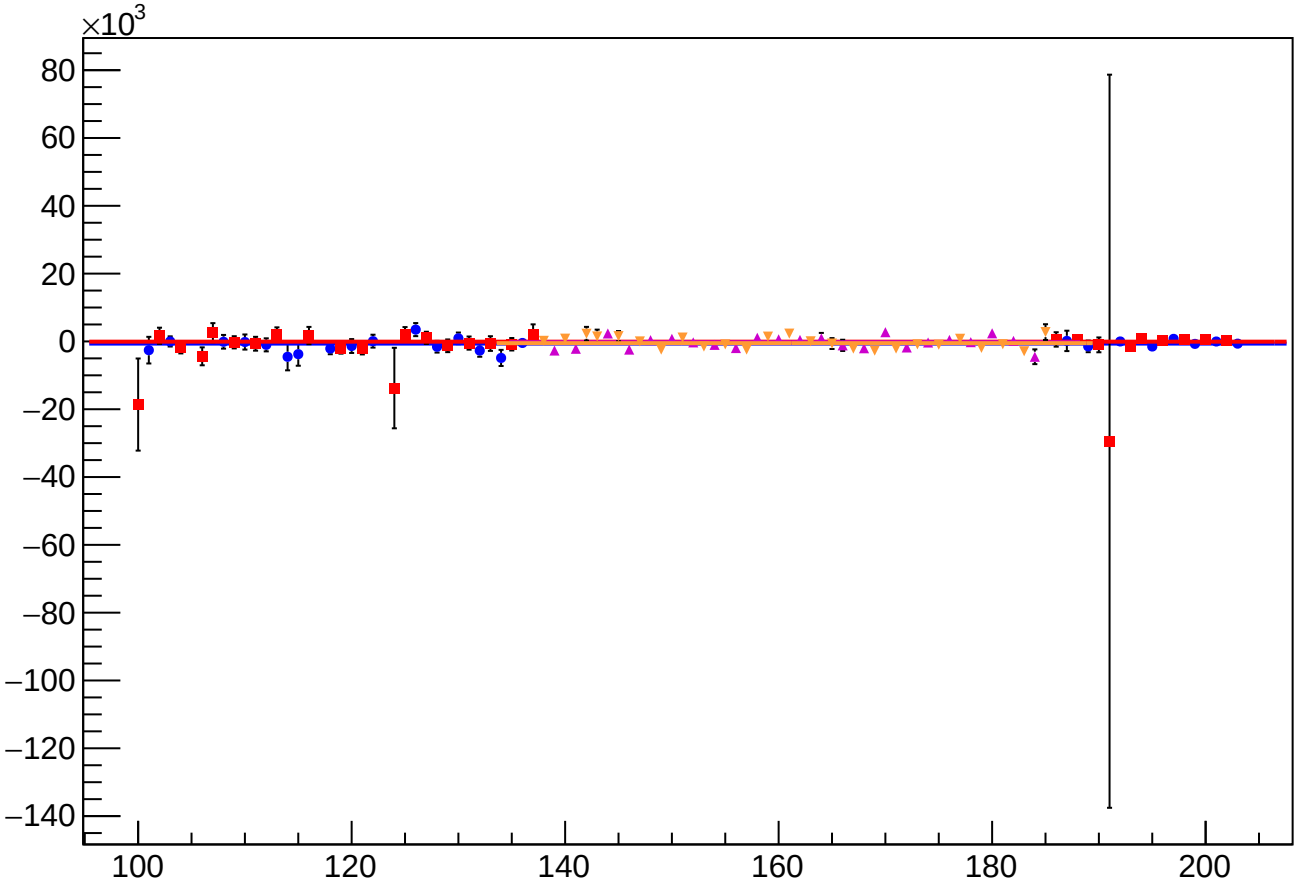
Left: 269.263+/-0.033 χ^2/NDF: 7526161.0/47

Right: 464.469+/-0.081 χ^2/NDF: 20980367.4/52

In: 299.304+/-0.044 χ^2/NDF:15254162.5/46

Out: 295.302+/-0.043 χ^2/NDF:18263668.5/53

All: 297.252+/-0.031 χ^2/NDF: 33522119.8/10



Right In: -637.671+/-355.983 χ^2/NDF: 15.6/23

Left Out: -514.430+/-285.945 χ^2/NDF:30.9/24

Right Out: -70.608+/-346.100 χ^2/NDF: 18.7/28

Left In: -242.663+/-291.166 χ^2/NDF:32.0/22

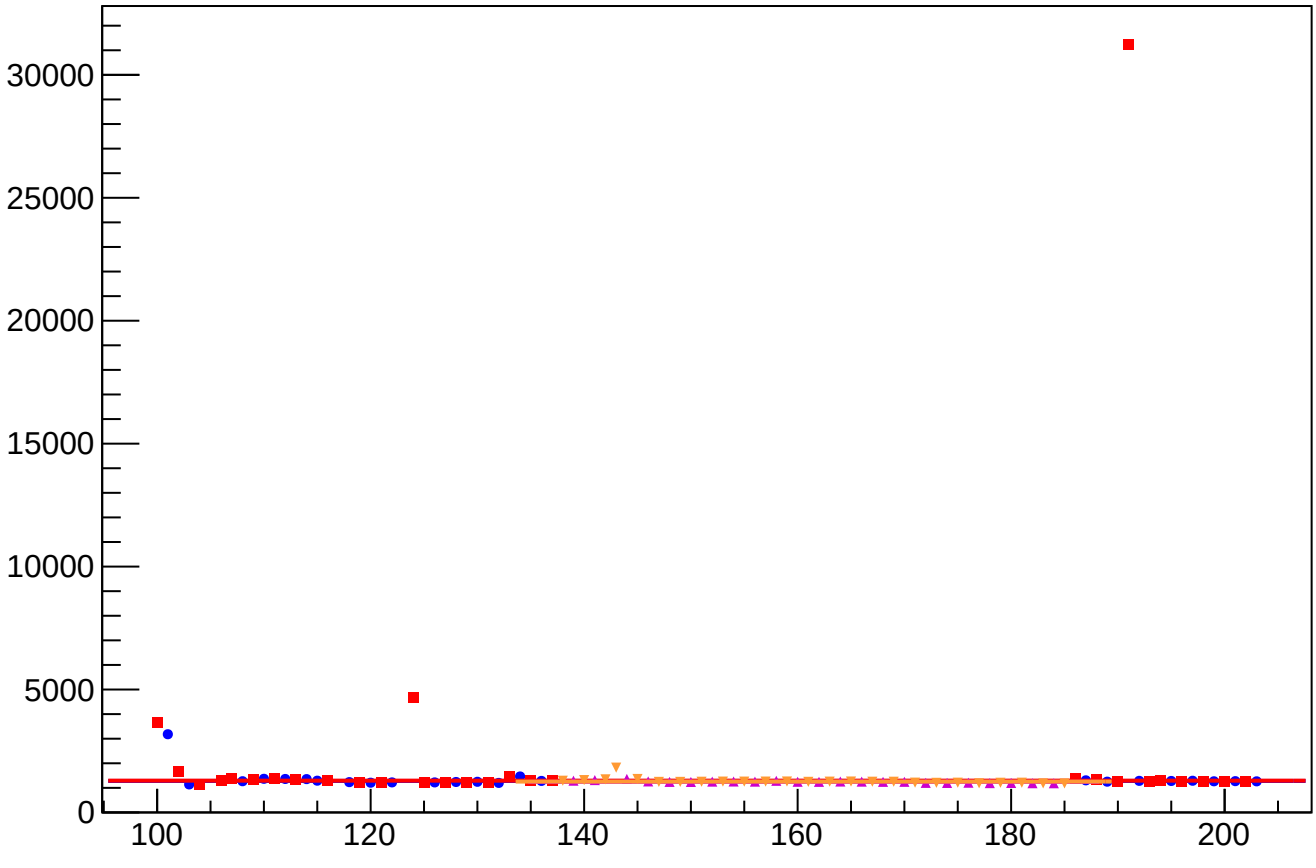
Left: -381.005+/-204.014 χ^2/NDF: 63.4/47

Right: -346.159+/-248.150 χ^2/NDF: 35.6/52

In: -400.997+/-225.379 χ^2/NDF:48.4/46

Out: -334.381+/-220.441 χ^2/NDF:50.6/53

All: -366.951+/-157.592 χ^2/NDF: 99.0/100



Right In: 1281.200+/-0.252 χ^2/NDF: 519675.2/23

Left Out: 1255.514+/-0.202 χ^2/NDF:203124.0/24

Right Out: 1292.999+/-0.245 χ^2/NDF: 491633.3/28

Left In: 1246.355+/-0.206 χ^2/NDF:39857.0/22

Left: 1251.017+/-0.144 χ^2/NDF: 243988.6/47

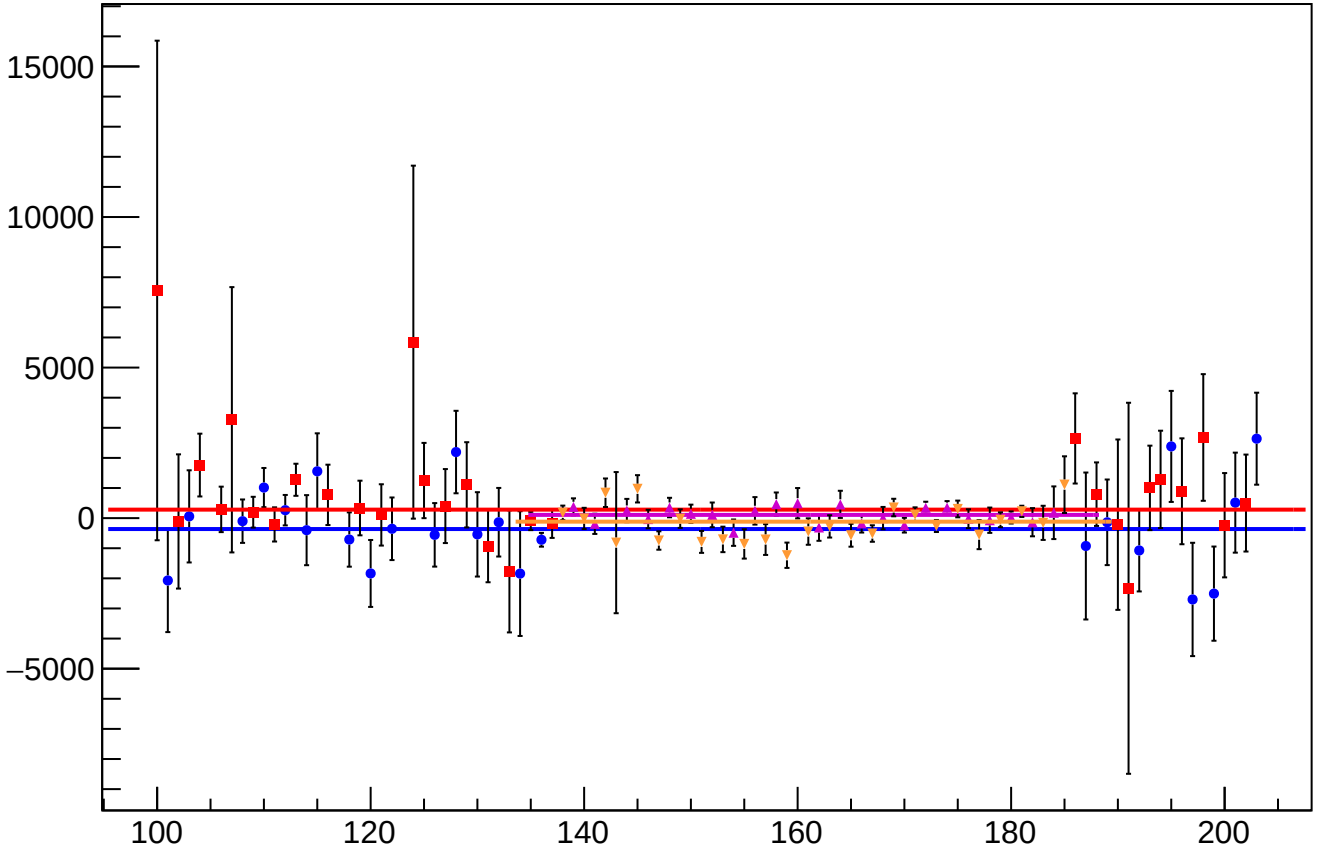
Right: 1287.265+/-0.175 χ^2/NDF: 1012437.9/52

In: 1260.322+/-0.159 χ^2/NDF:571014.1/46

Out: 1270.721+/-0.156 χ^2/NDF:708700.3/53

All: 1265.636+/-0.111 χ^2/NDF: 1281890.4/10

asym_atl1r2_dd_atl2r1_dd_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -362.465+/-161.552 χ^2/NDF: 28.1/23

Left Out: -117.002+/-65.060 χ^2/NDF:48.4/24

Right Out: 282.079+/-161.139 χ^2/NDF: 19.4/28

Left In: 107.459+/-67.003 χ^2/NDF:13.7/22

Left: -8.072+/-46.676 χ^2/NDF: 68.0/47

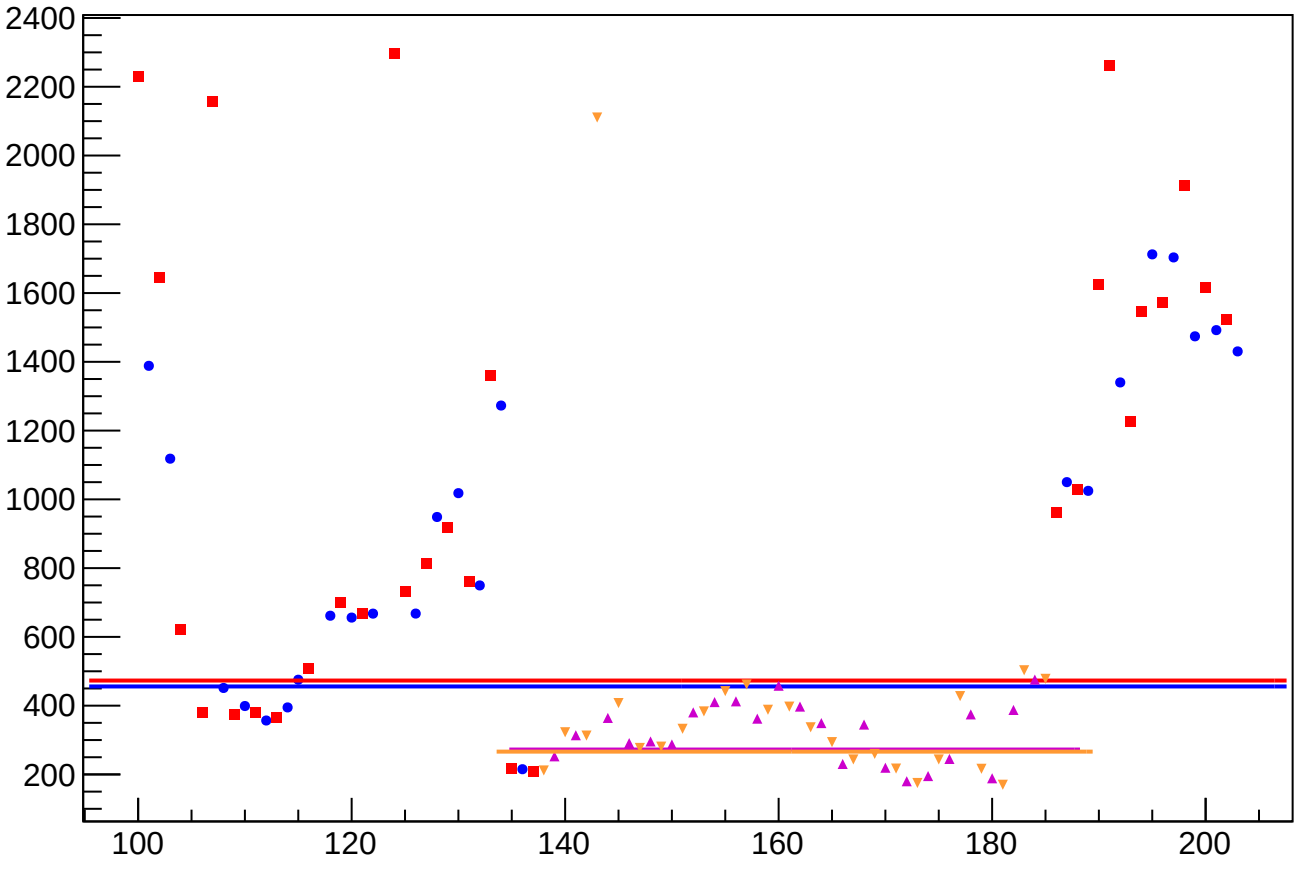
Right: -39.370+/-114.088 χ^2/NDF: 55.4/52

In: 38.490+/-61.891 χ^2/NDF:49.0/46

Out: -61.064+/-60.329 χ^2/NDF:73.1/53

All: -12.560+/-43.200 χ^2/NDF: 123.5/100

asym_atl1r2_dd_atl2r1_dd_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 455.844+/-0.114 χ^2/NDF: 10165734.7/23

Left Out: 266.326+/-0.046 χ^2/NDF:4630167.4/24

Right Out: 473.051+/-0.114 χ^2/NDF: 10803259.3/28

Left In: 272.378+/-0.047 χ^2/NDF:2887597.1/22

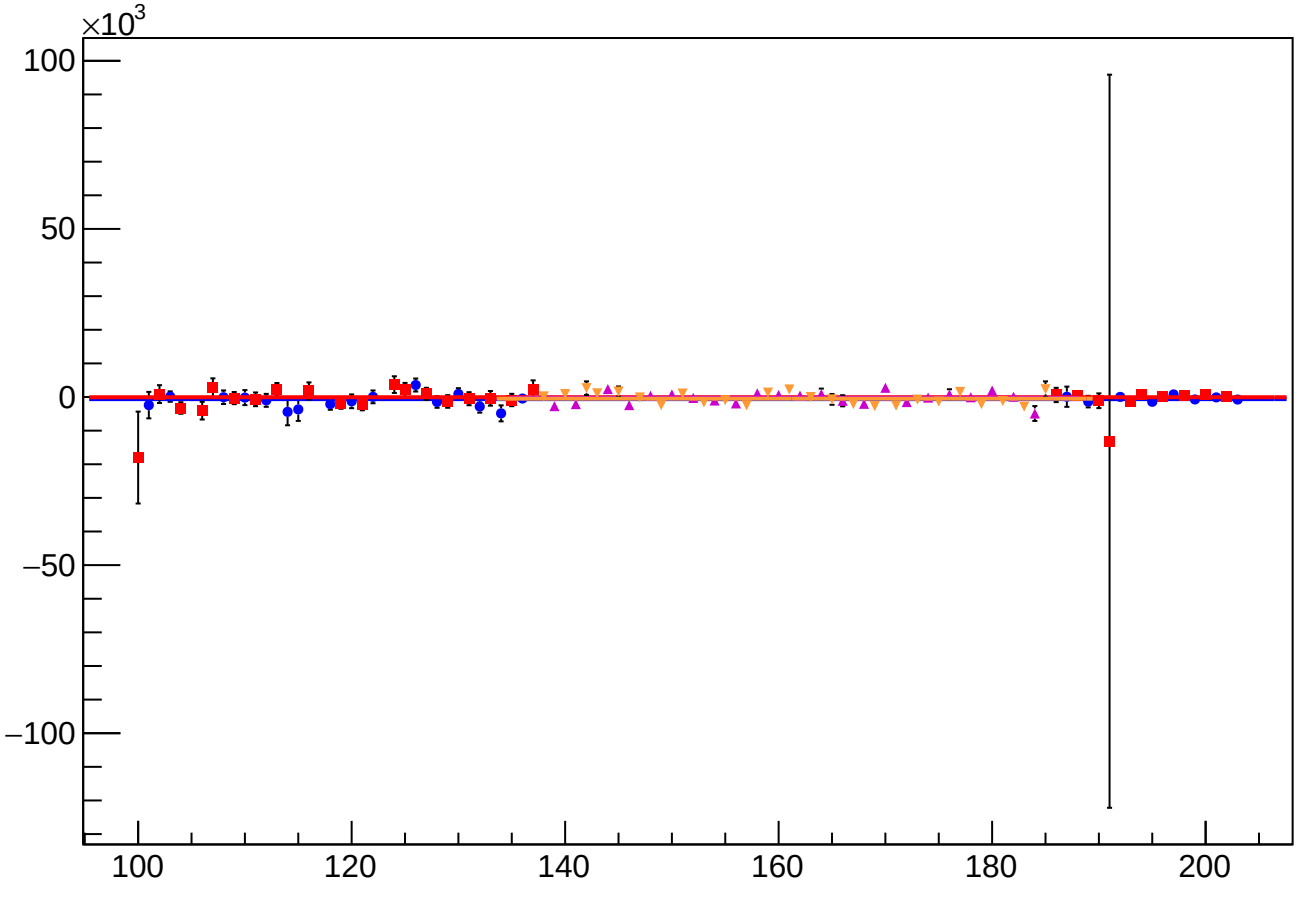
Left: 269.263+/-0.033 χ^2/NDF: 7526161.0/47

Right: 464.469+/-0.081 χ^2/NDF: 20980367.4/52

In: 299.304+/-0.044 χ^2/NDF:15254162.5/46

Out: 295.302+/-0.043 χ^2/NDF:18263668.5/53

All: 297.252+/-0.031 χ^2/NDF: 33522119.8/10



Right In: -623.243+/-357.219 χ^2/NDF: 15.7/23

Left Out: -493.436+/-282.734 χ^2/NDF:34.2/24

Right Out: -63.717+/-345.093 χ^2/NDF: 20.4/28

Left In: -242.004+/-294.339 χ^2/NDF:30.7/22

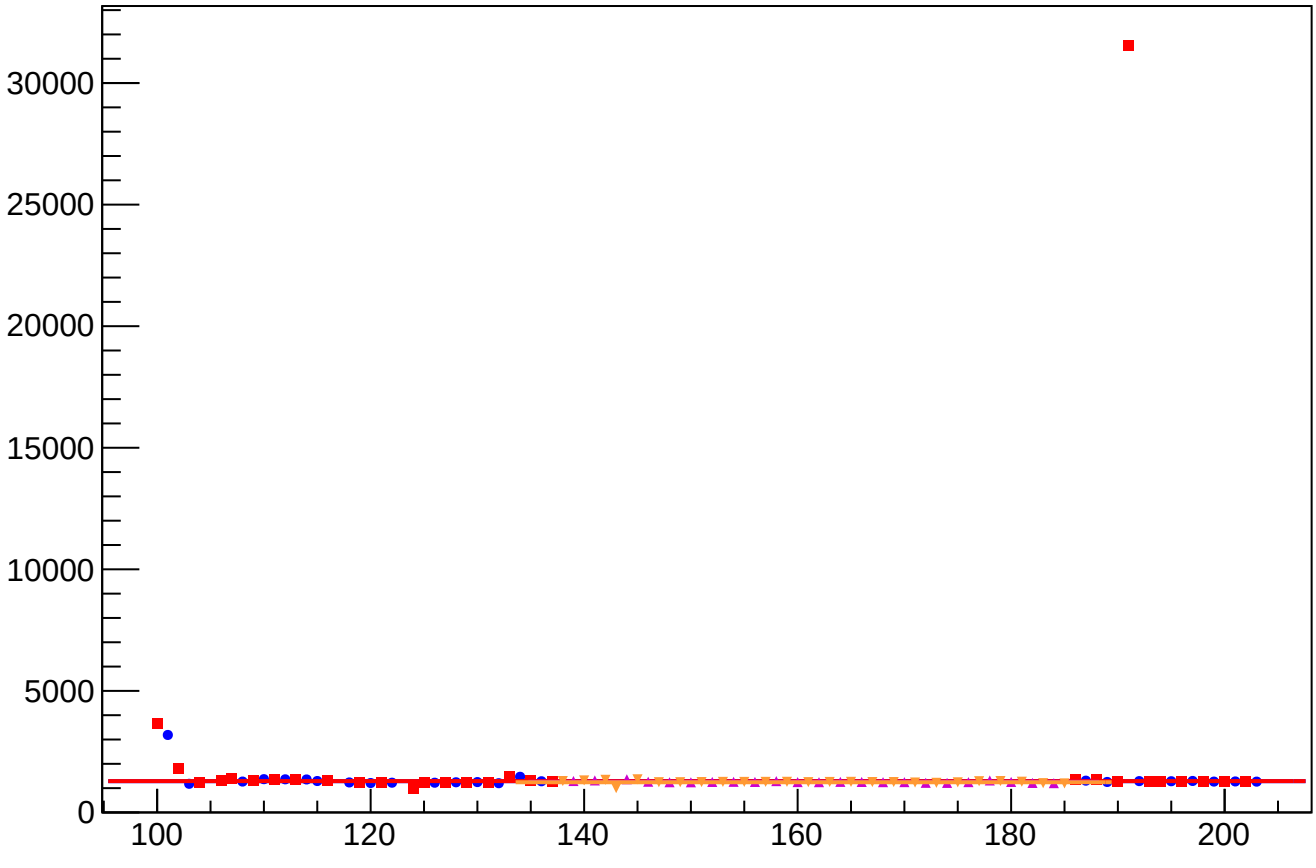
Left: -372.774+/-203.903 χ^2/NDF: 65.3/47

Right: -333.822+/-248.194 χ^2/NDF: 37.4/52

In: -396.171+/-227.160 χ^2/NDF:47.0/46

Out: -320.841+/-218.704 χ^2/NDF:55.6/53

All: -357.078+/-157.552 χ^2/NDF: 102.7/100



Right In: 1285.782+/-0.253 χ^2/NDF: 511383.7/23

Left Out: 1242.539+/-0.200 χ^2/NDF:130023.1/24

Right Out: 1289.493+/-0.244 χ^2/NDF: 373400.1/28

Left In: 1260.094+/-0.208 χ^2/NDF:27932.1/22

Left: 1250.964+/-0.144 χ^2/NDF: 161655.2/47

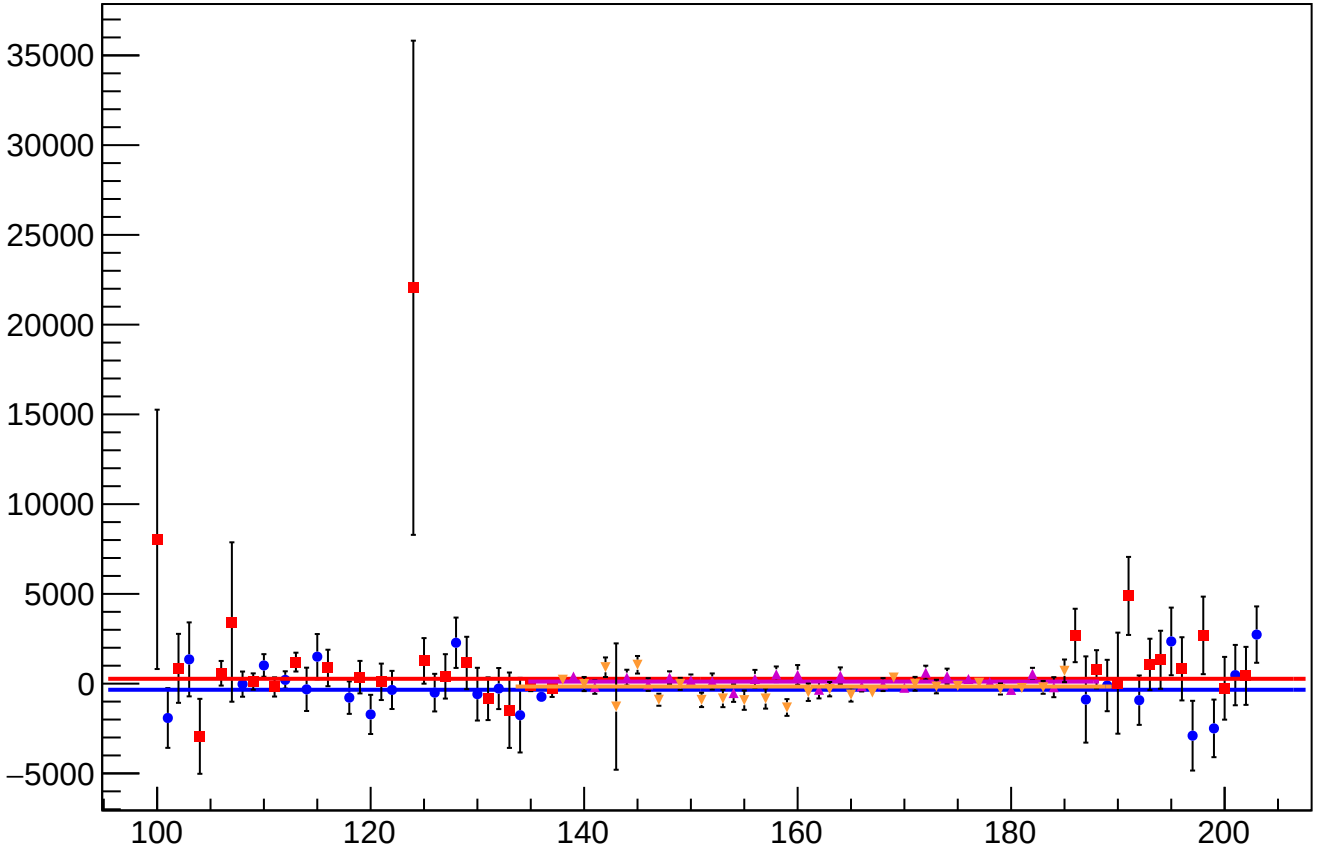
Right: 1287.702+/-0.175 χ^2/NDF: 884895.4/52

In: 1270.482+/-0.161 χ^2/NDF:545476.2/46

Out: 1261.398+/-0.155 χ^2/NDF:525577.3/53

All: 1265.768+/-0.111 χ^2/NDF: 1072713.2/10

asym_atl1r2_dd_atl2r1_dd_avg_dit_correction_mean vs Slug, Sign Corrected



Right In: -340.944+/-163.302 χ^2/NDF: 28.3/23

Left Out: -160.930+/-64.133 χ^2/NDF:43.8/24

Right Out: 269.823+/-161.106 χ^2/NDF: 25.9/28

Left In: 113.722+/-68.841 χ^2/NDF:18.2/22

Left: -33.316+/-46.925 χ^2/NDF: 70.5/47

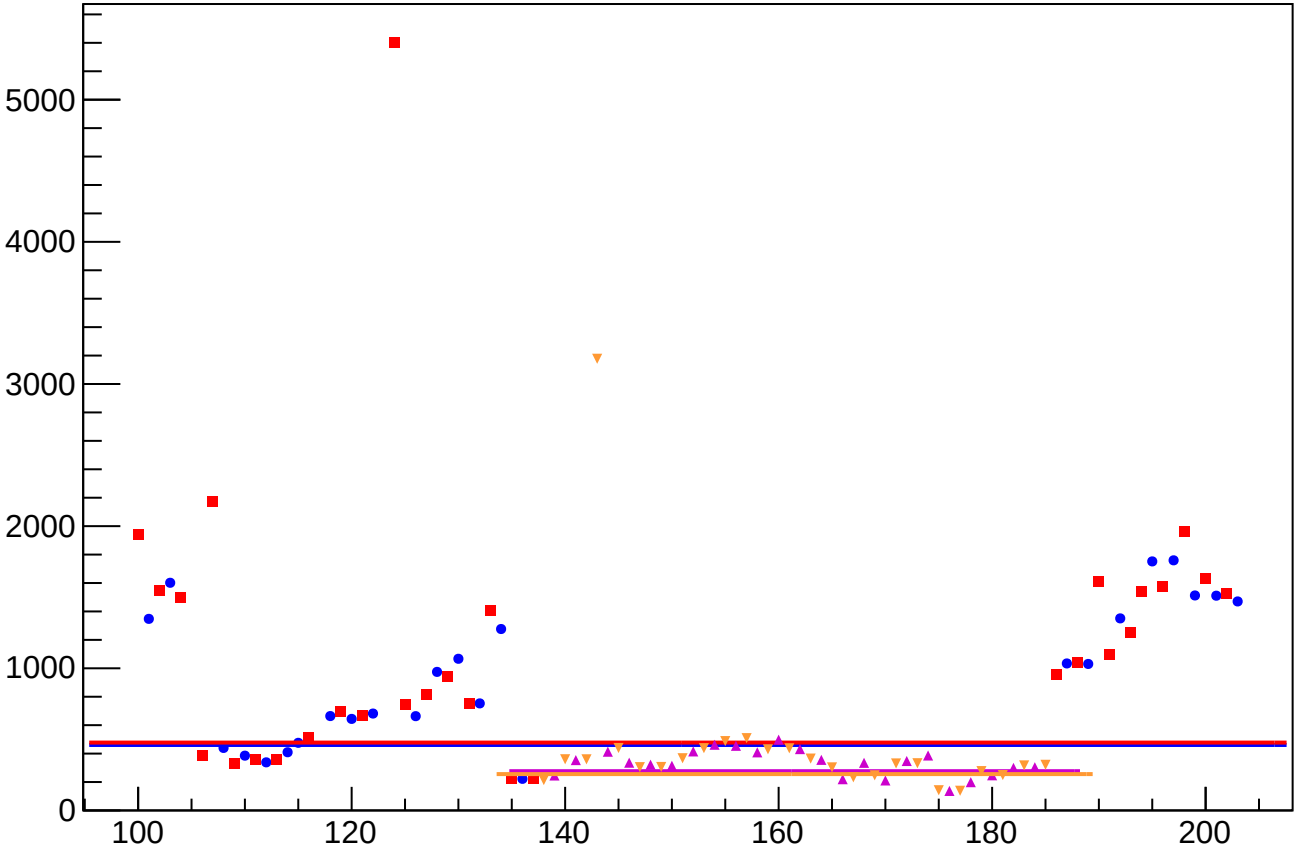
Right: -31.427+/-114.688 χ^2/NDF: 61.3/52

In: 45.116+/-63.435 χ^2/NDF:53.1/46

Out: -102.007+/-59.585 χ^2/NDF:75.8/53

All: -33.045+/-43.430 χ^2/NDF: 131.8/100

asym_atl1r2_dd_atl2r1_dd_avg_dit_correction_rms vs Slug, Sign Corrected



Right In: 460.680+/-0.115 χ^2/NDF: 10323506.0/23

Left Out: 255.768+/-0.045 χ^2/NDF:6373929.4/24

Right Out: 477.491+/-0.114 χ^2/NDF: 11307249.0/28

Left In: 276.298+/-0.049 χ^2/NDF:4027410.5/22

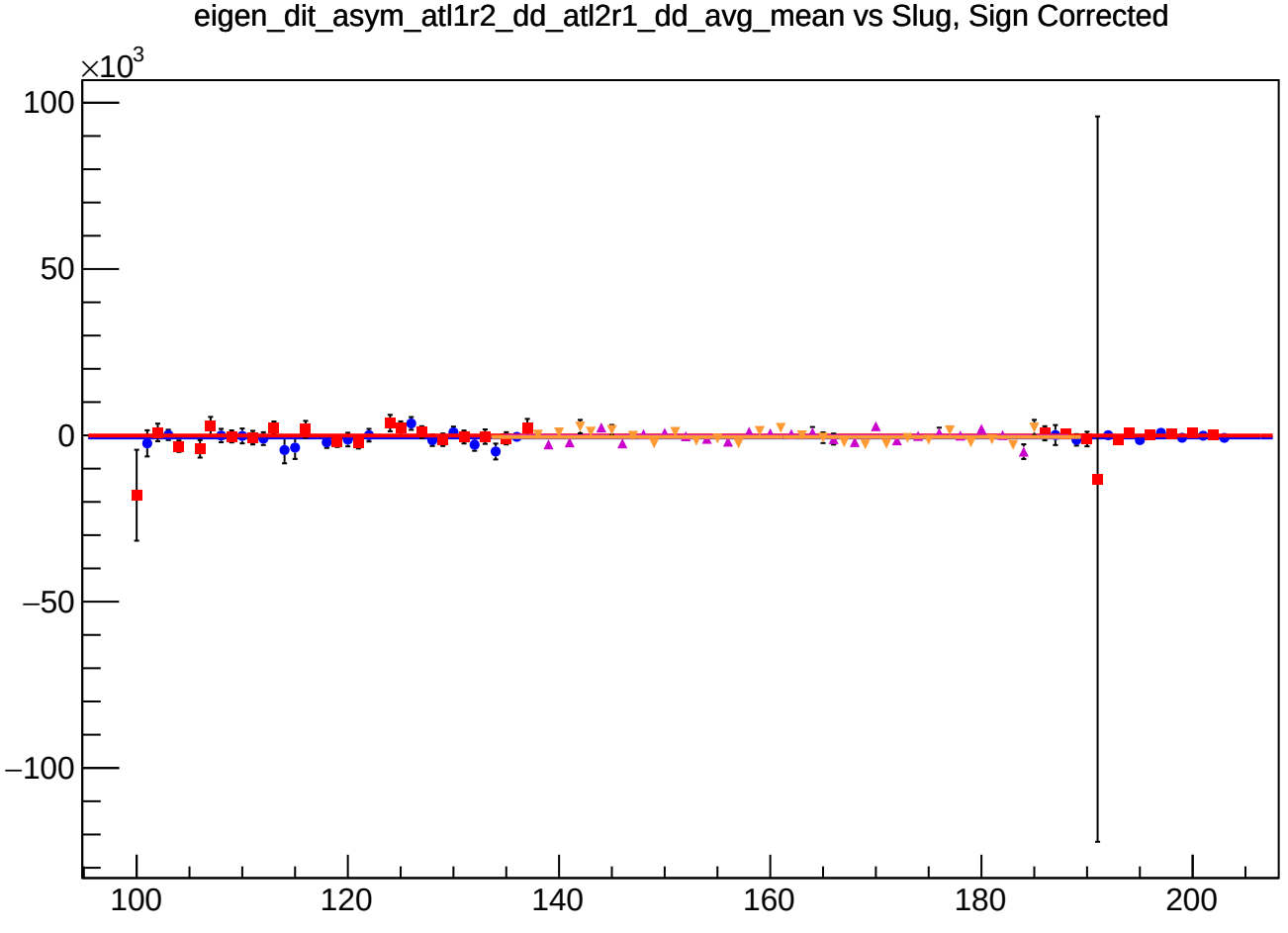
Left: 265.307+/-0.033 χ^2/NDF: 10496569.7/47

Right: 469.199+/-0.081 χ^2/NDF: 21641495.7/52

In: 304.120+/-0.045 χ^2/NDF:16515844.9/46

Out: 286.097+/-0.042 χ^2/NDF:20951131.7/53

All: 294.545+/-0.031 χ^2/NDF: 37552745.9/10



Right In: -623.245+/-357.219 χ^2/NDF: 15.7/23

Left Out: -493.435+/-282.734 χ^2/NDF:34.2/24

Right Out: -63.716+/-345.093 χ^2/NDF: 20.4/28

Left In: -242.004+/-294.339 χ^2/NDF:30.7/22

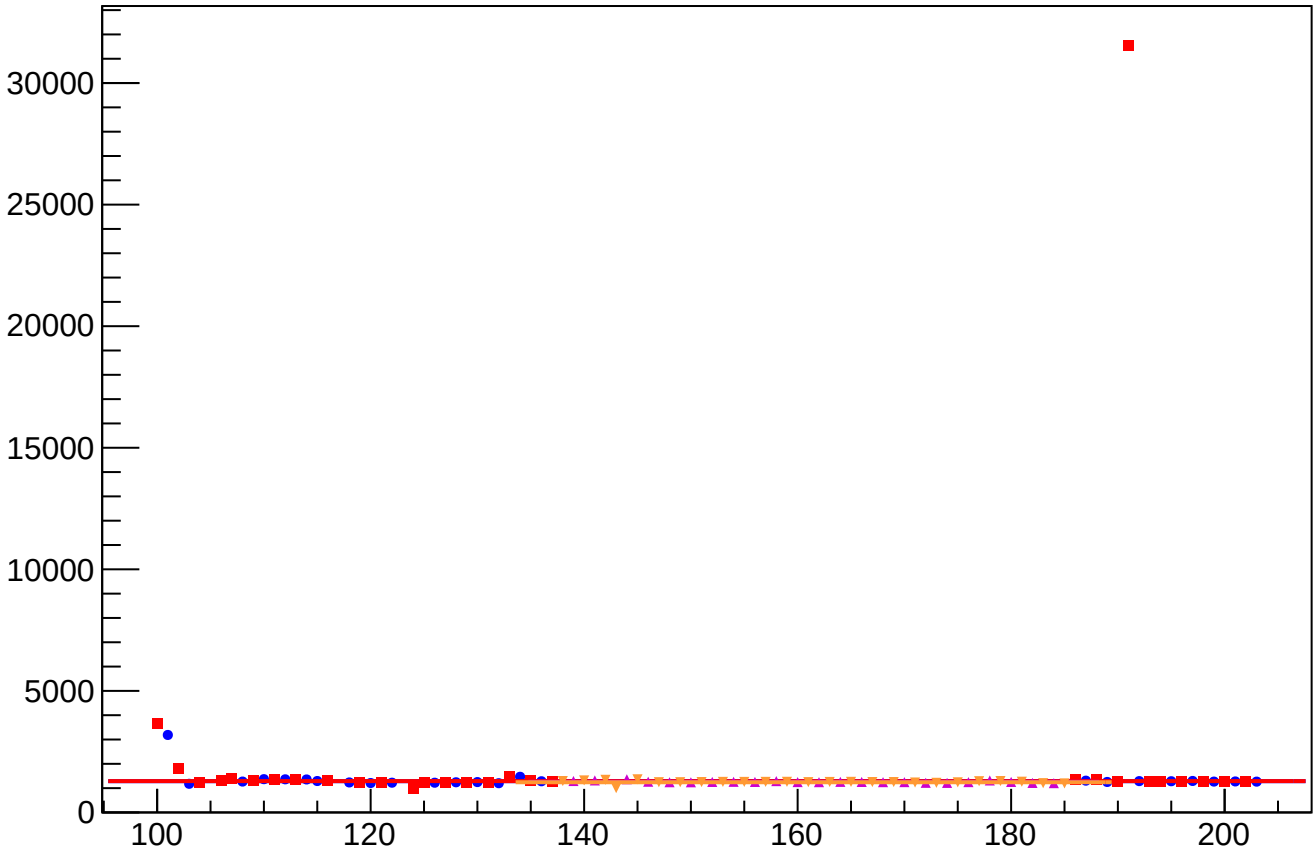
Left: -372.774+/-203.903 χ^2/NDF: 65.3/47

Right: -333.823+/-248.194 χ^2/NDF: 37.4/52

In: -396.172+/-227.160 χ^2/NDF:47.0/46

Out: -320.840+/-218.704 χ^2/NDF:55.6/53

All: -357.078+/-157.552 χ^2/NDF: 102.7/100



Right In: 1285.782+/-0.253 χ^2/NDF: 511383.7/23

Left Out: 1242.539+/-0.200 χ^2/NDF:130022.2/24

Right Out: 1289.493+/-0.244 χ^2/NDF: 373400.3/28

Left In: 1260.094+/-0.208 χ^2/NDF:27932.2/22

Left: 1250.964+/-0.144 χ^2/NDF: 161654.3/47

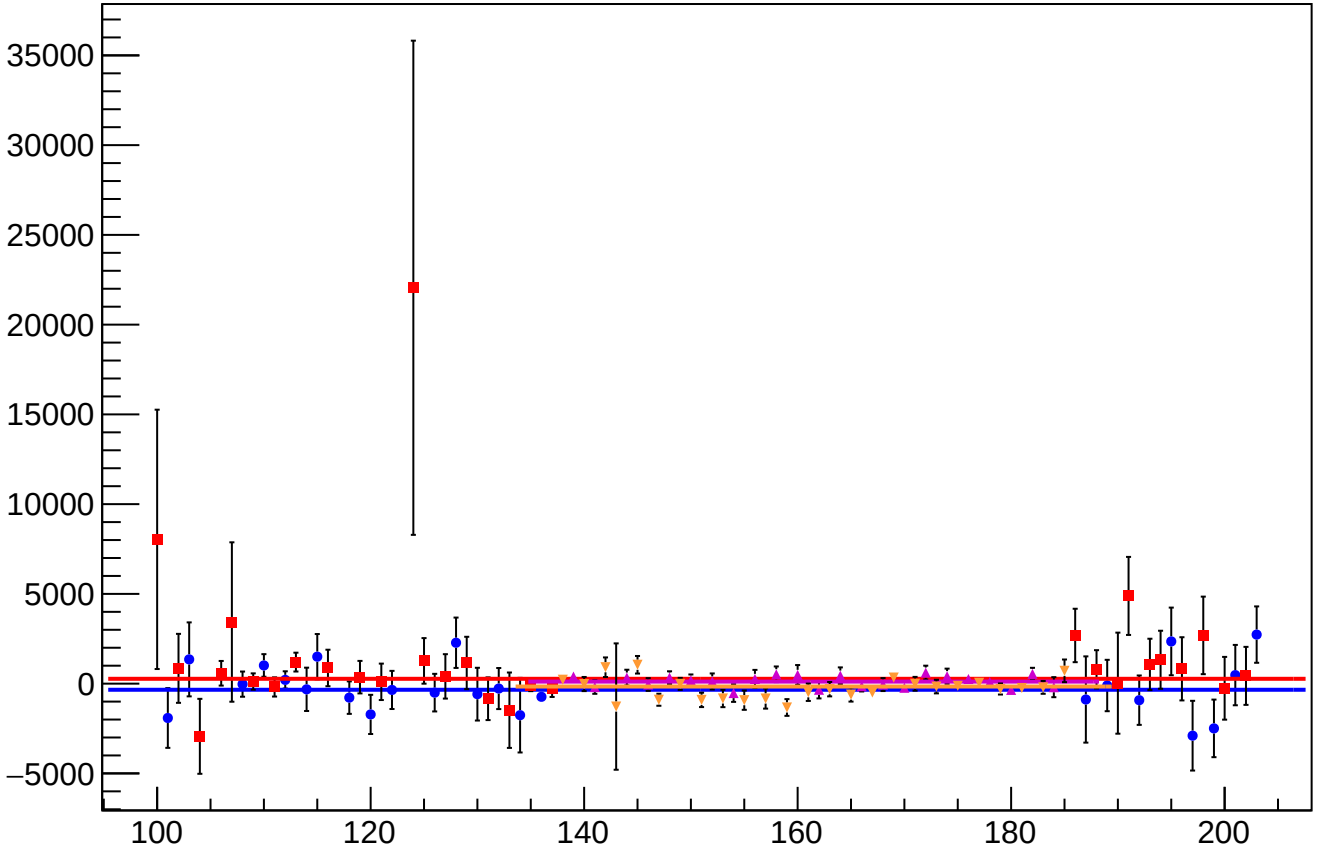
Right: 1287.702+/-0.175 χ^2/NDF: 884895.6/52

In: 1270.482+/-0.161 χ^2/NDF:545476.3/46

Out: 1261.398+/-0.155 χ^2/NDF:525576.6/53

All: 1265.768+/-0.111 χ^2/NDF: 1072712.6/10

asym_atl1r2_dd_atl2r1_dd_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -340.944+/-163.305 χ^2/NDF: 28.3/23

Left Out: -160.933+/-64.133 χ^2/NDF:43.8/24

Right Out: 269.831+/-161.108 χ^2/NDF: 25.9/28

Left In: 113.720+/-68.841 χ^2/NDF:18.2/22

Left: -33.318+/-46.925 χ^2/NDF: 70.5/47

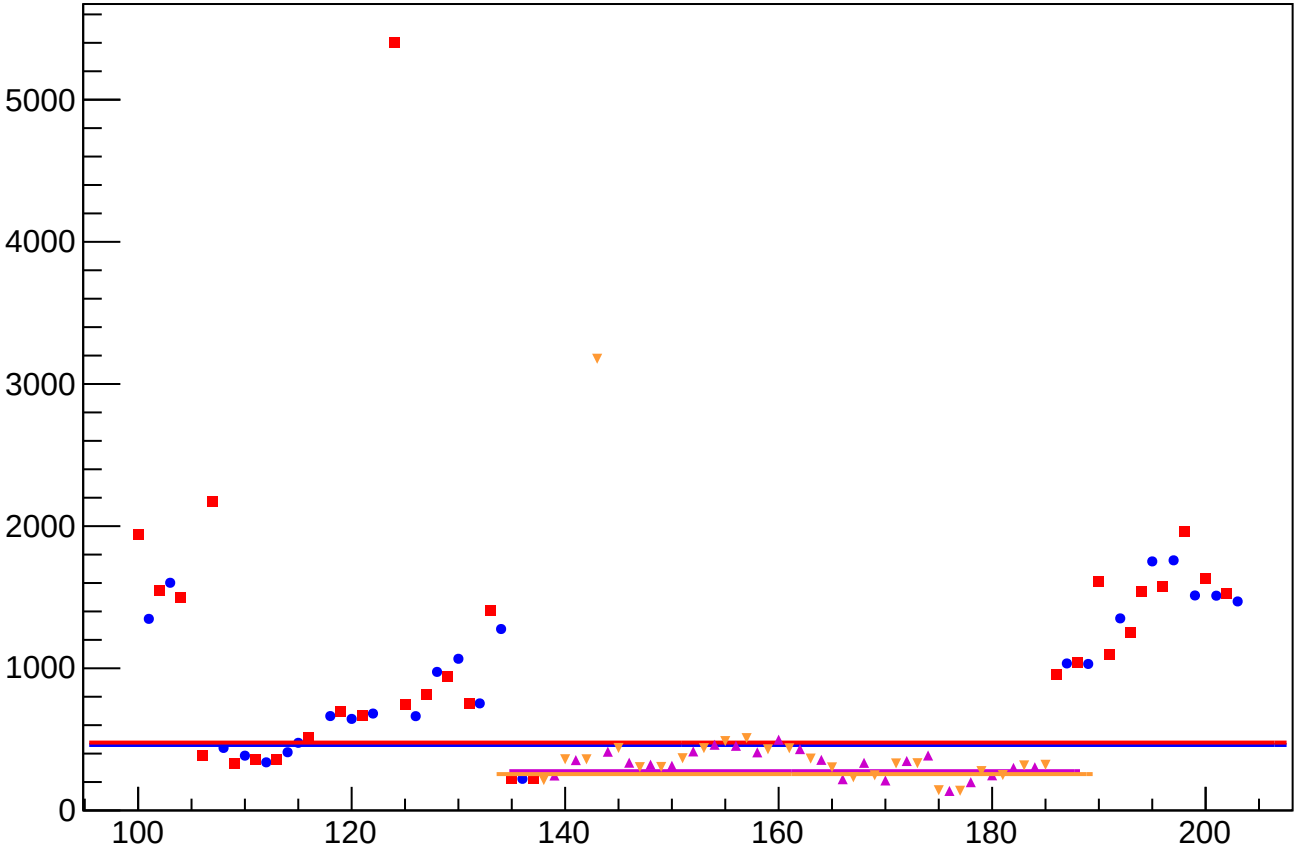
Right: -31.422+/-114.689 χ^2/NDF: 61.3/52

In: 45.116+/-63.435 χ^2/NDF:53.1/46

Out: -102.010+/-59.585 χ^2/NDF:75.8/53

All: -33.046+/-43.430 χ^2/NDF: 131.8/100

asym_atl1r2_dd_atl2r1_dd_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 460.692+/-0.115 χ^2/NDF: 10323205.6/23

Left Out: 255.770+/-0.045 χ^2/NDF:6373829.7/24

Right Out: 477.500+/-0.114 χ^2/NDF: 11306999.8/28

Left In: 276.299+/-0.049 χ^2/NDF:4027371.0/22

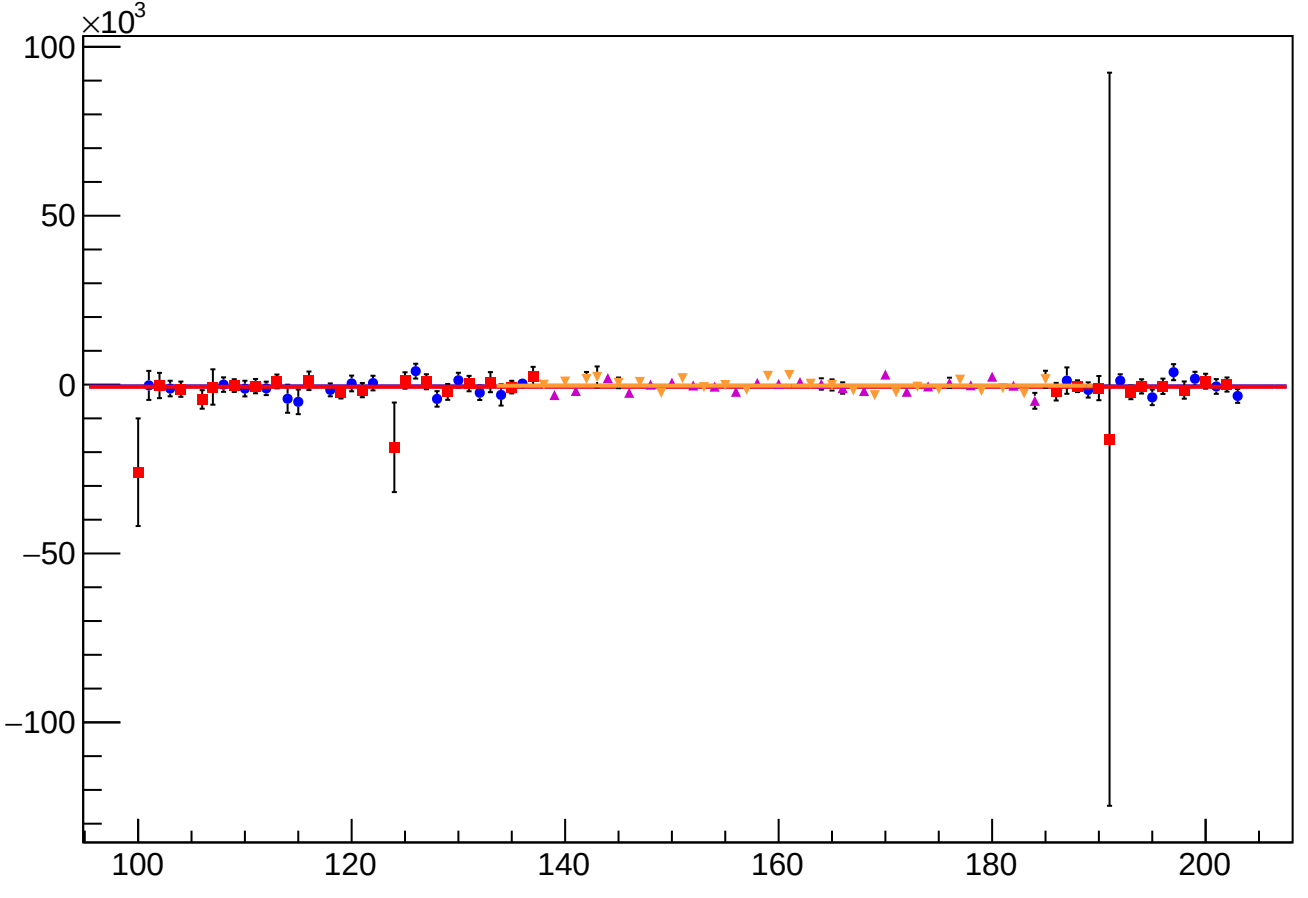
Left: 265.308+/-0.033 χ^2/NDF: 10496422.7/47

Right: 469.210+/-0.081 χ^2/NDF: 21640942.8/52

In: 304.122+/-0.045 χ^2/NDF:16515709.5/46

Out: 286.099+/-0.042 χ^2/NDF:20950946.7/53

All: 294.547+/-0.031 χ^2/NDF: 37552420.5/10



Right In: -527.023+/-459.810 χ^2/NDF: 21.9/23

Left Out: -319.744+/-298.271 χ^2/NDF:31.6/24

Right Out: -636.563+/-451.010 χ^2/NDF: 13.2/28

Left In: -356.387+/-301.902 χ^2/NDF:29.7/22

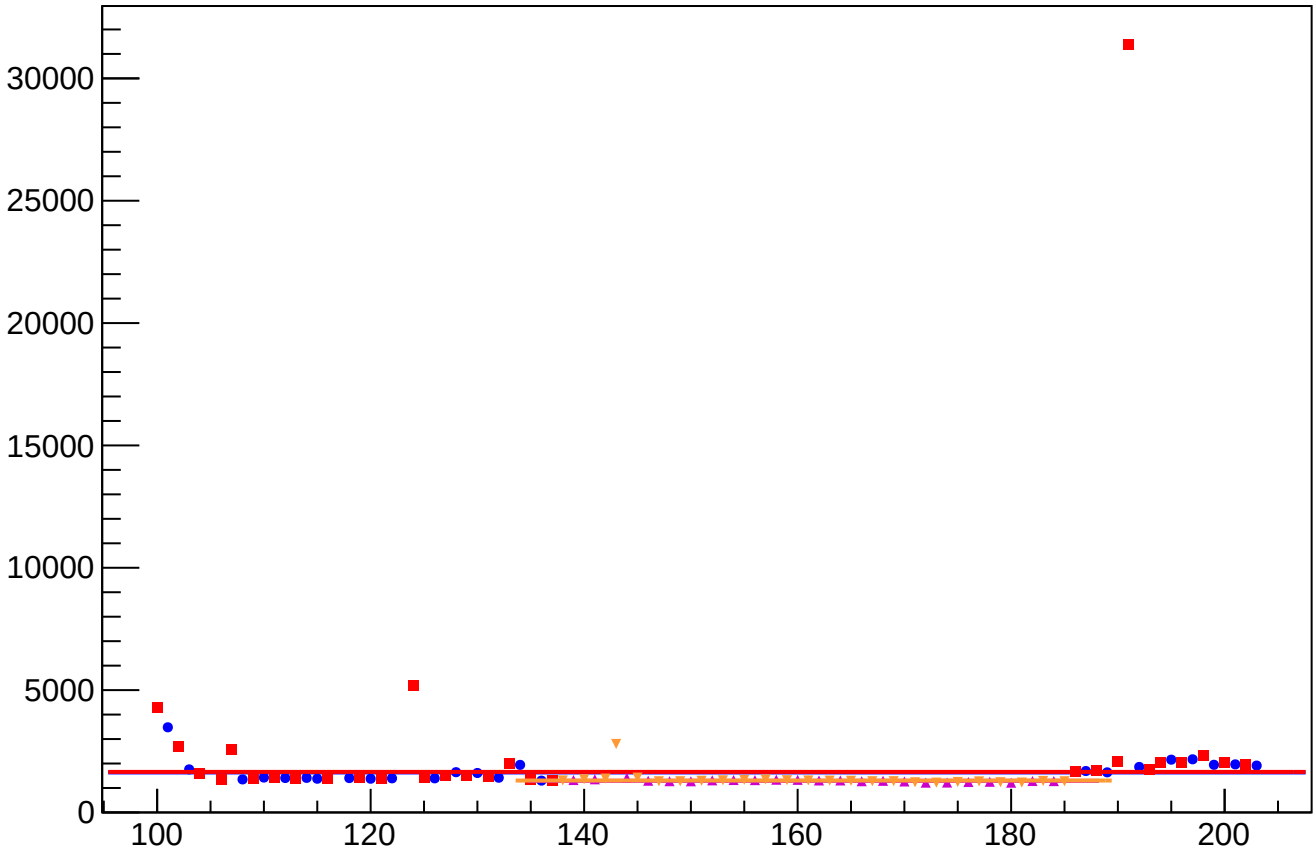
Left: -337.843+/-212.182 χ^2/NDF: 61.2/47

Right: -582.852+/-321.979 χ^2/NDF: 35.2/52

In: -407.789+/-252.367 χ^2/NDF:51.7/46

Out: -416.147+/-248.786 χ^2/NDF:45.1/53

All: -412.028+/-177.171 χ^2/NDF: 96.8/100



Right In: 1635.018+/-0.325 χ^2/NDF: 1086900.4/23

Left Out: 1304.156+/-0.211 χ^2/NDF:519609.1/24

Right Out: 1657.593+/-0.319 χ^2/NDF: 1347719.7/28

Left In: 1292.123+/-0.213 χ^2/NDF:48343.1/22

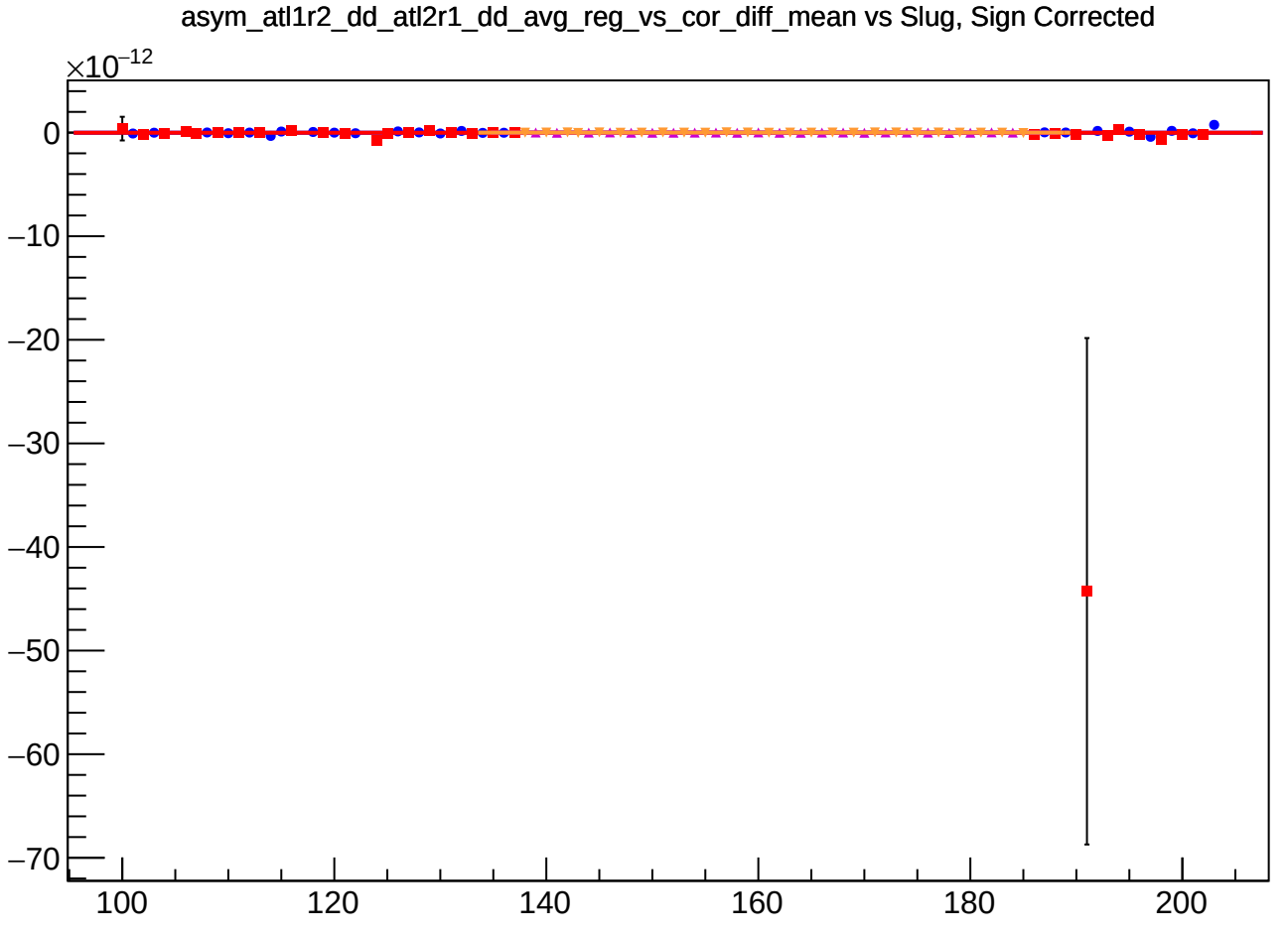
Left: 1298.212+/-0.150 χ^2/NDF: 569560.1/47

Right: 1646.524+/-0.228 χ^2/NDF: 2437077.1/52

In: 1395.416+/-0.178 χ^2/NDF:1912433.7/46

Out: 1411.702+/-0.176 χ^2/NDF:2721830.8/53

All: 1403.675+/-0.125 χ^2/NDF: 4638488.6/10



Right In: -0.000+/-0.000 χ^2/NDF: 28.1/23

Left Out: 0.000+/-0.000 χ^2/NDF:24.3/24

Right Out: -0.000+/-0.000 χ^2/NDF: 36.7/28

Left In: -0.000+/-0.000 χ^2/NDF:29.6/22

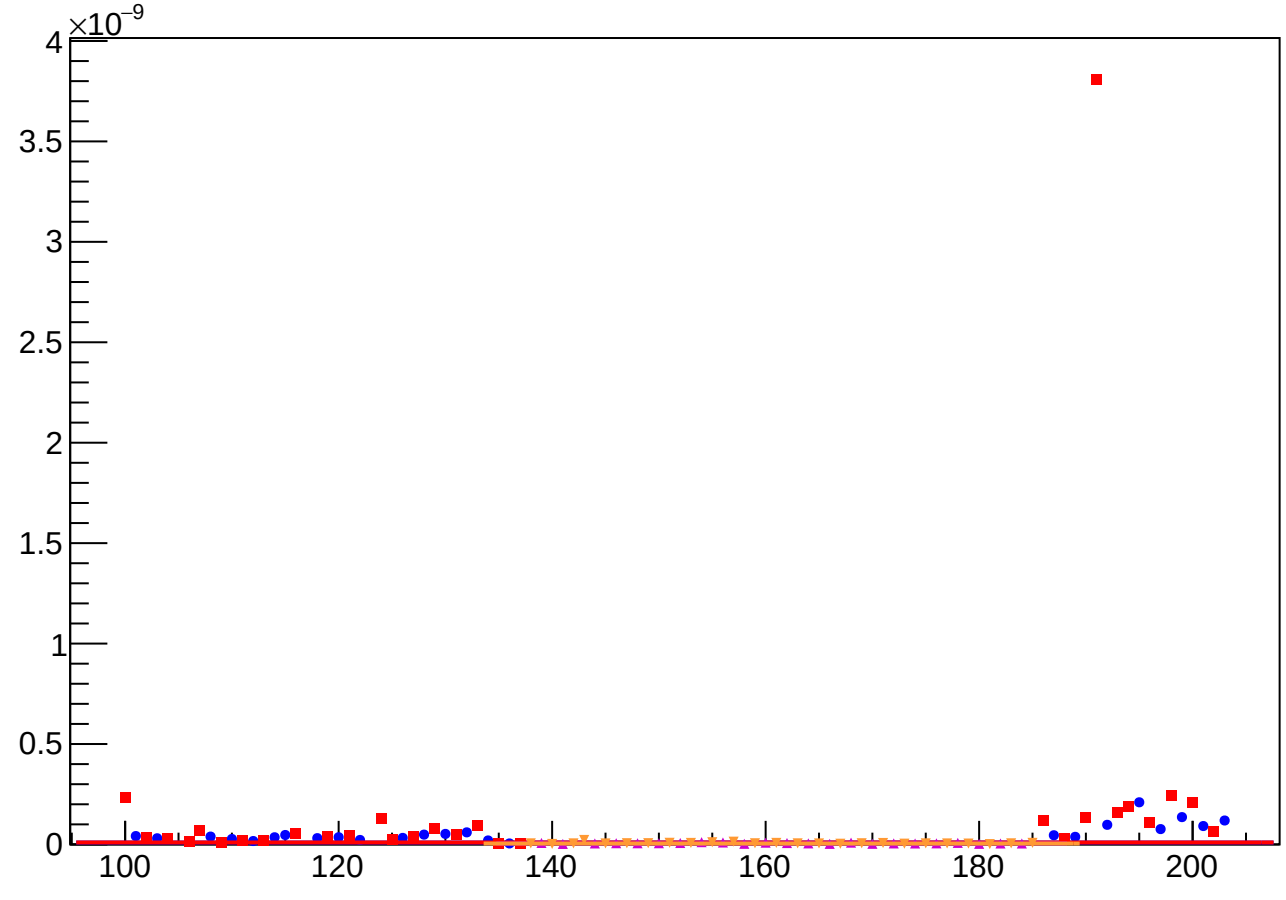
Left: -0.000+/-0.000 χ^2/NDF: 54.2/47

Right: -0.000+/-0.000 χ^2/NDF: 64.8/52

In: -0.000+/-0.000 χ^2/NDF:59.6/46

Out: -0.000+/-0.000 χ^2/NDF:64.0/53

All: -0.000+/-0.000 χ^2/NDF: 123.9/100



Right In: 0.000+/-0.000 χ^2/NDF: 6272089.5/23

Left Out: 0.000+/-0.000 χ^2/NDF:2715297.7/24

Right Out: 0.000+/-0.000 χ^2/NDF: 8083906.4/28

Left In: 0.000+/-0.000 χ^2/NDF:1884808.0/22

Left: 0.000+/-0.000 χ^2/NDF: 4620695.3/47

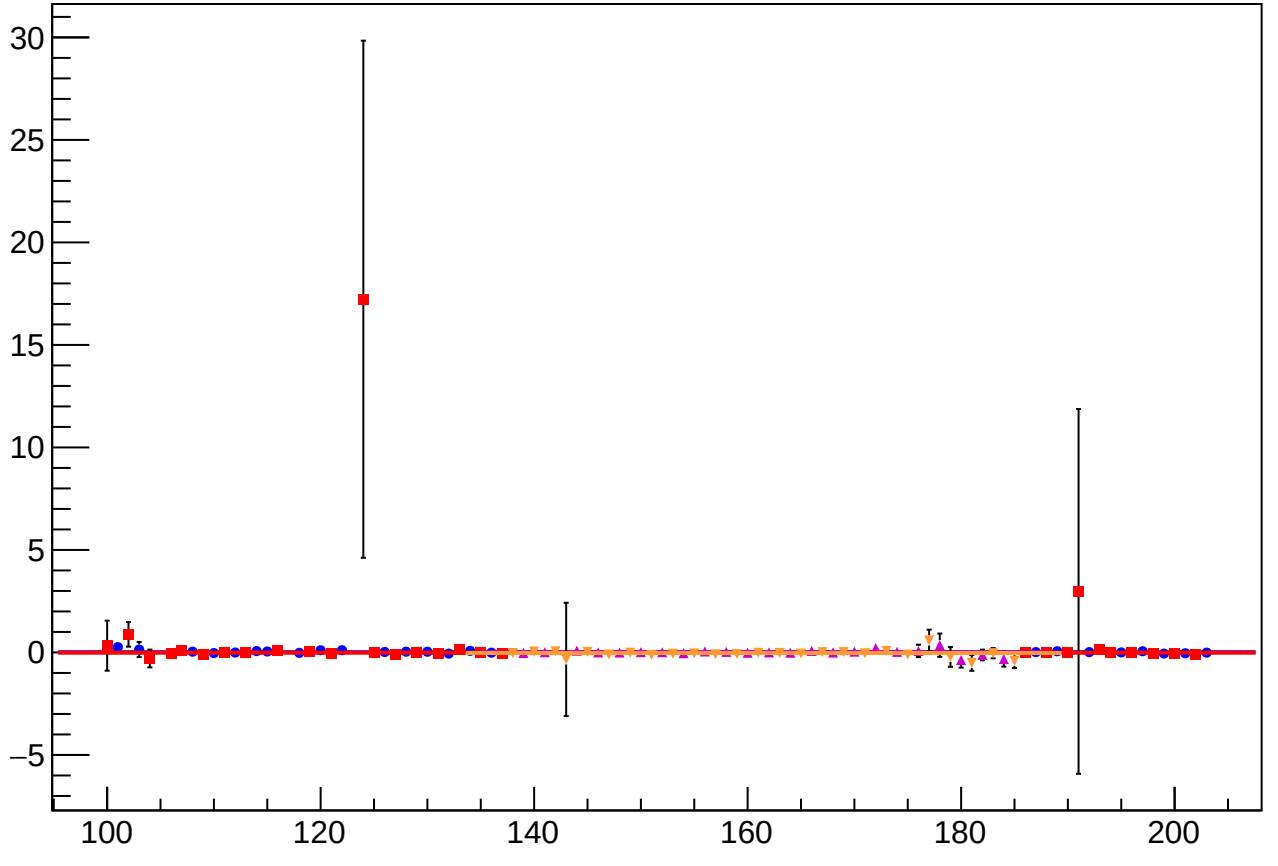
Right: 0.000+/-0.000 χ^2/NDF: 14360957.2/52

In: 0.000+/-0.000 χ^2/NDF:8872303.6/46

Out: 0.000+/-0.000 χ^2/NDF:11674554.7/53

All: 0.000+/-0.000 χ^2/NDF: 20573977.6/100

asym_atl1r2_dd_atl2r1_dd_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.012+/-0.013 χ^2/NDF: 13.8/23

Left Out: -0.028+/-0.010 χ^2/NDF:28.1/24

Right Out: -0.010+/-0.013 χ^2/NDF: 22.3/28

Left In: 0.011+/-0.009 χ^2/NDF:13.2/22

Left: -0.008+/-0.007 χ^2/NDF: 49.6/47

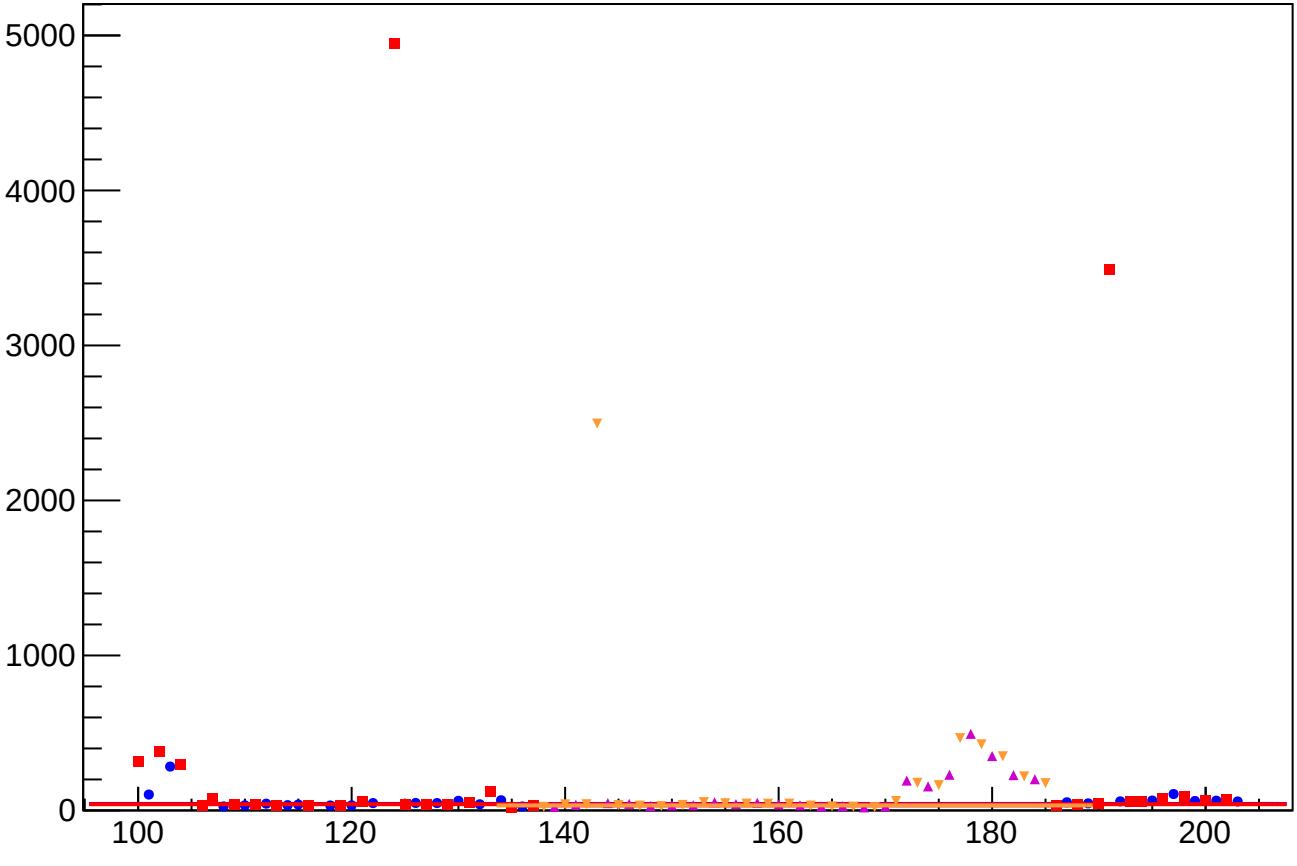
Right: 0.000+/-0.009 χ^2/NDF: 37.5/52

In: 0.011+/-0.008 χ^2/NDF:26.9/46

Out: -0.021+/-0.008 χ^2/NDF:51.7/53

All: -0.005+/-0.005 χ^2/NDF: 87.8/100

asym_atl1r2_dd_atl2r1_dd_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 41.940+/-0.009 χ^2/NDF: 3949382.4/23

Left Out: 32.551+/-0.007 χ^2/NDF:10871758.1/24

Right Out: 40.276+/-0.009 χ^2/NDF: 5258336.5/28

Left In: 32.738+/-0.007 χ^2/NDF:8963240.8/22

Left: 32.645+/-0.005 χ^2/NDF: 19835386.0/47

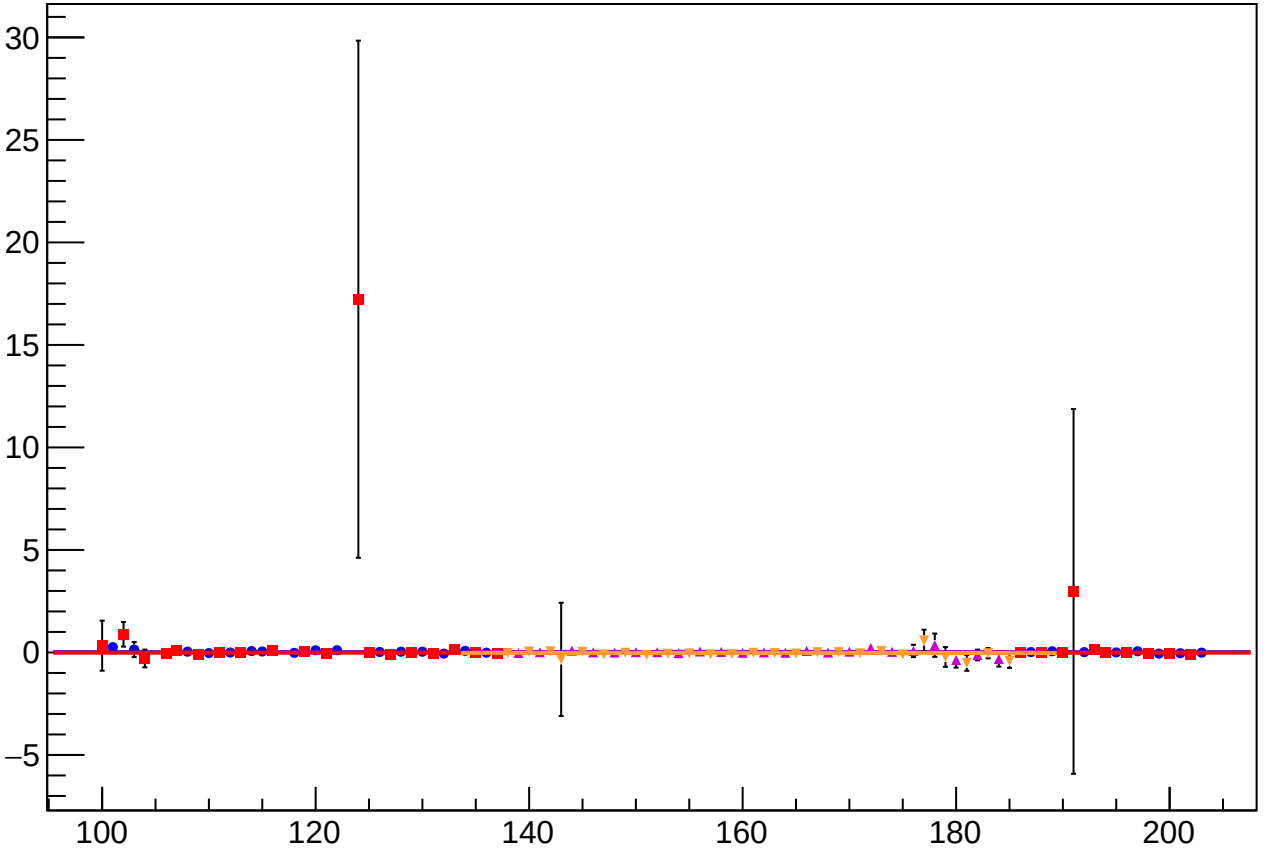
Right: 41.063+/-0.006 χ^2/NDF: 9224054.8/52

In: 35.826+/-0.005 χ^2/NDF:13542325.6/46

Out: 35.341+/-0.005 χ^2/NDF:16606068.8/53

All: 35.579+/-0.004 χ^2/NDF: 30152393.1/100

asym_atl1r2_dd_atl2r1_dd_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.012+/-0.013 χ^2/NDF: 13.8/23

Left Out: -0.028+/-0.010 χ^2/NDF:28.1/24

Right Out: -0.010+/-0.013 χ^2/NDF: 22.3/28

Left In: 0.011+/-0.009 χ^2/NDF:13.2/22

Left: -0.008+/-0.007 χ^2/NDF: 49.6/47

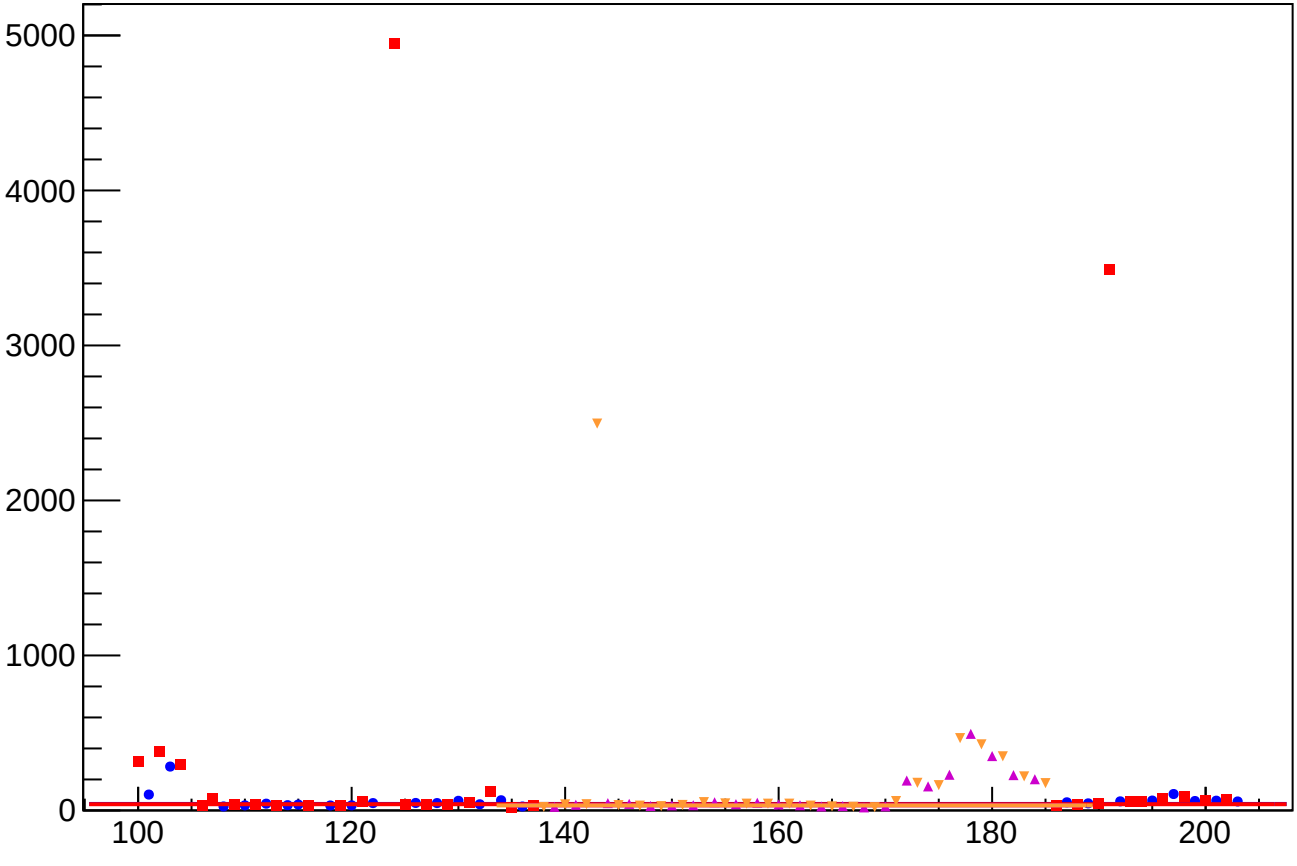
Right: 0.000+/-0.009 χ^2/NDF: 37.5/52

In: 0.011+/-0.008 χ^2/NDF:26.9/46

Out: -0.021+/-0.008 χ^2/NDF:51.7/53

All: -0.005+/-0.005 χ^2/NDF: 87.8/100

asym_atl1r2_dd_atl2r1_dd_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 41.940+/-0.009 χ^2/NDF: 3949382.4/23

Left Out: 32.551+/-0.007 χ^2/NDF:10871758.1/24

Right Out: 40.276+/-0.009 χ^2/NDF: 5258336.5/28

Left In: 32.738+/-0.007 χ^2/NDF:8963240.8/22

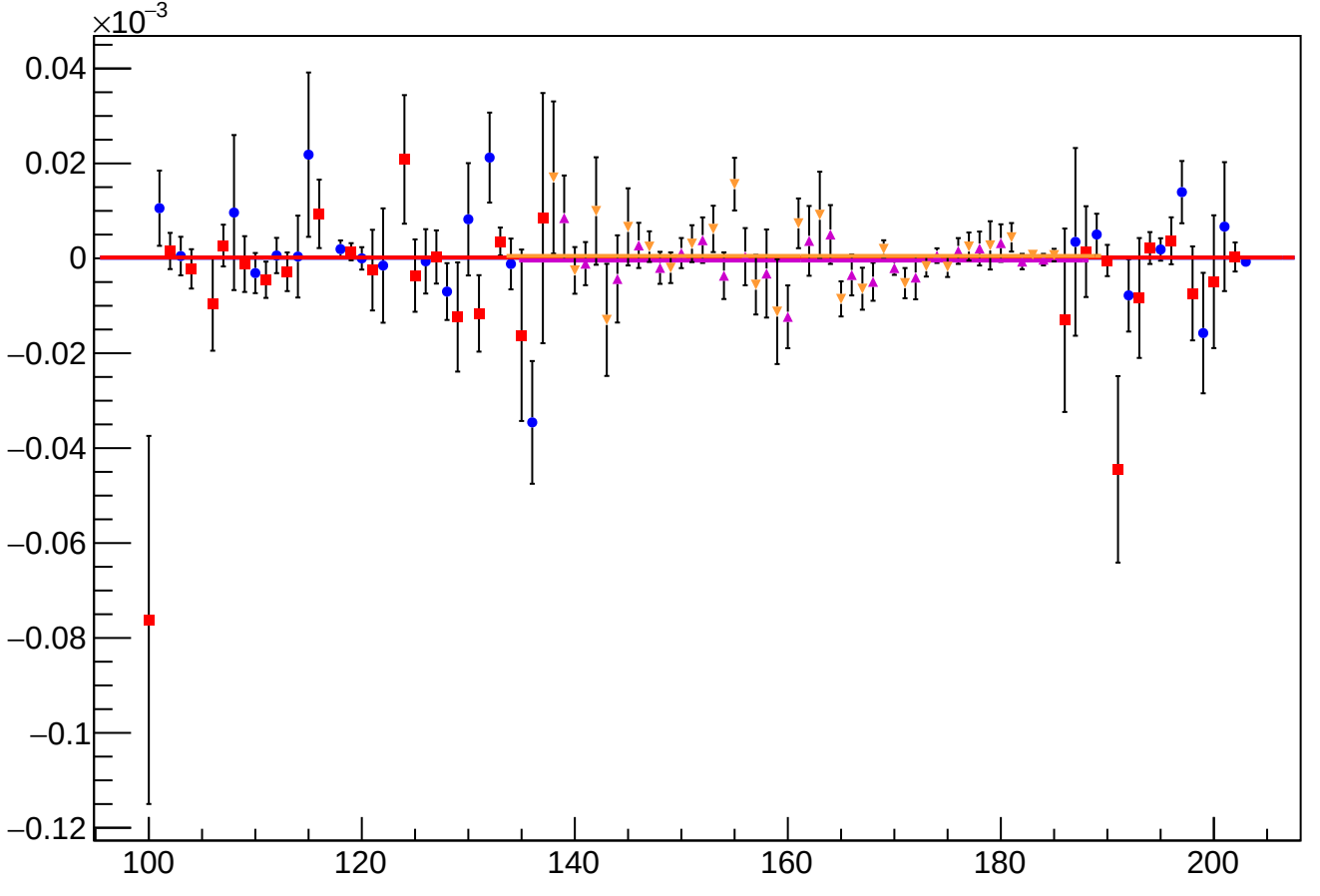
Left: 32.645+/-0.005 χ^2/NDF: 19835386.0/47

Right: 41.063+/-0.006 χ^2/NDF: 9224054.8/52

In: 35.826+/-0.005 χ^2/NDF:13542325.6/46

Out: 35.341+/-0.005 χ^2/NDF:16606068.8/53

All: 35.579+/-0.004 χ^2/NDF: 30152393.1/100



Right In: 0.000+/-0.000 χ^2/NDF: 29.5/23

Left Out: 0.000+/-0.000 χ^2/NDF:35.7/24

Right Out: 0.000+/-0.000 χ^2/NDF: 25.8/28

Left In: -0.000+/-0.000 χ^2/NDF:13.7/22

Left: 0.000+/-0.000 χ^2/NDF: 50.9/47

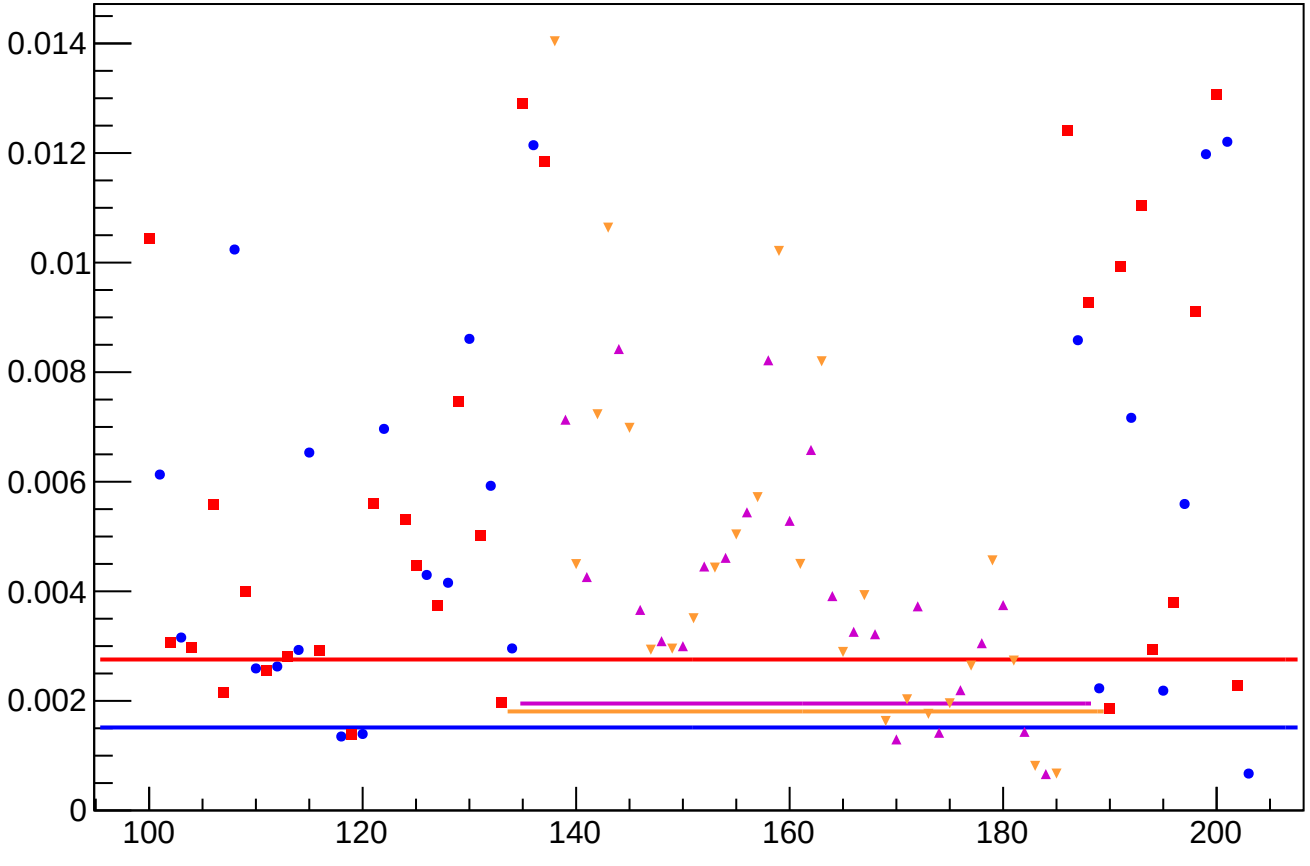
Right: 0.000+/-0.000 χ^2/NDF: 55.3/52

In: -0.000+/-0.000 χ^2/NDF:43.7/46

Out: 0.000+/-0.000 χ^2/NDF:61.6/53

All: 0.000+/-0.000 χ^2/NDF: 106.2/100

asym_atl1r2_dd_atl2r1_dd_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.002+/-0.000 χ^2/NDF: 12850645.6/23

Left Out: 0.002+/-0.000 χ^2/NDF:14941257.4/24

Right Out: 0.003+/-0.000 χ^2/NDF: 8251766.8/28

Left In: 0.002+/-0.000 χ^2/NDF:11478607.0/22

Left: 0.002+/-0.000 χ^2/NDF: 26484379.9/47

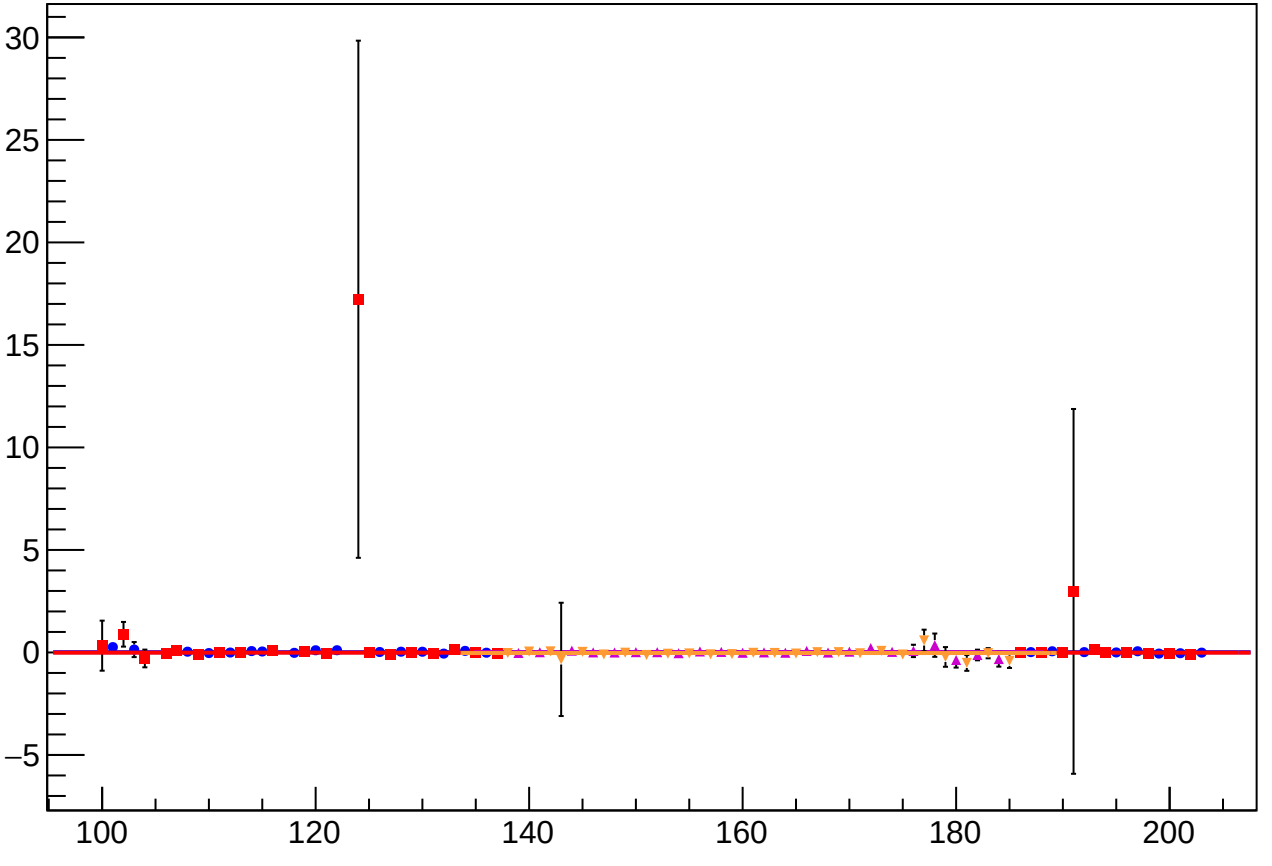
Right: 0.002+/-0.000 χ^2/NDF: 23672134.9/52

In: 0.002+/-0.000 χ^2/NDF:24842814.1/46

Out: 0.002+/-0.000 χ^2/NDF:24827432.4/53

All: 0.002+/-0.000 χ^2/NDF: 50169252.0/100

asym_atl1r2_dd_atl2r1_dd_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.012+/-0.013 χ^2/NDF: 13.8/23

Left Out: -0.028+/-0.010 χ^2/NDF:28.1/24

Right Out: -0.010+/-0.013 χ^2/NDF: 22.3/28

Left In: 0.011+/-0.009 χ^2/NDF:13.2/22

Left: -0.008+/-0.007 χ^2/NDF: 49.6/47

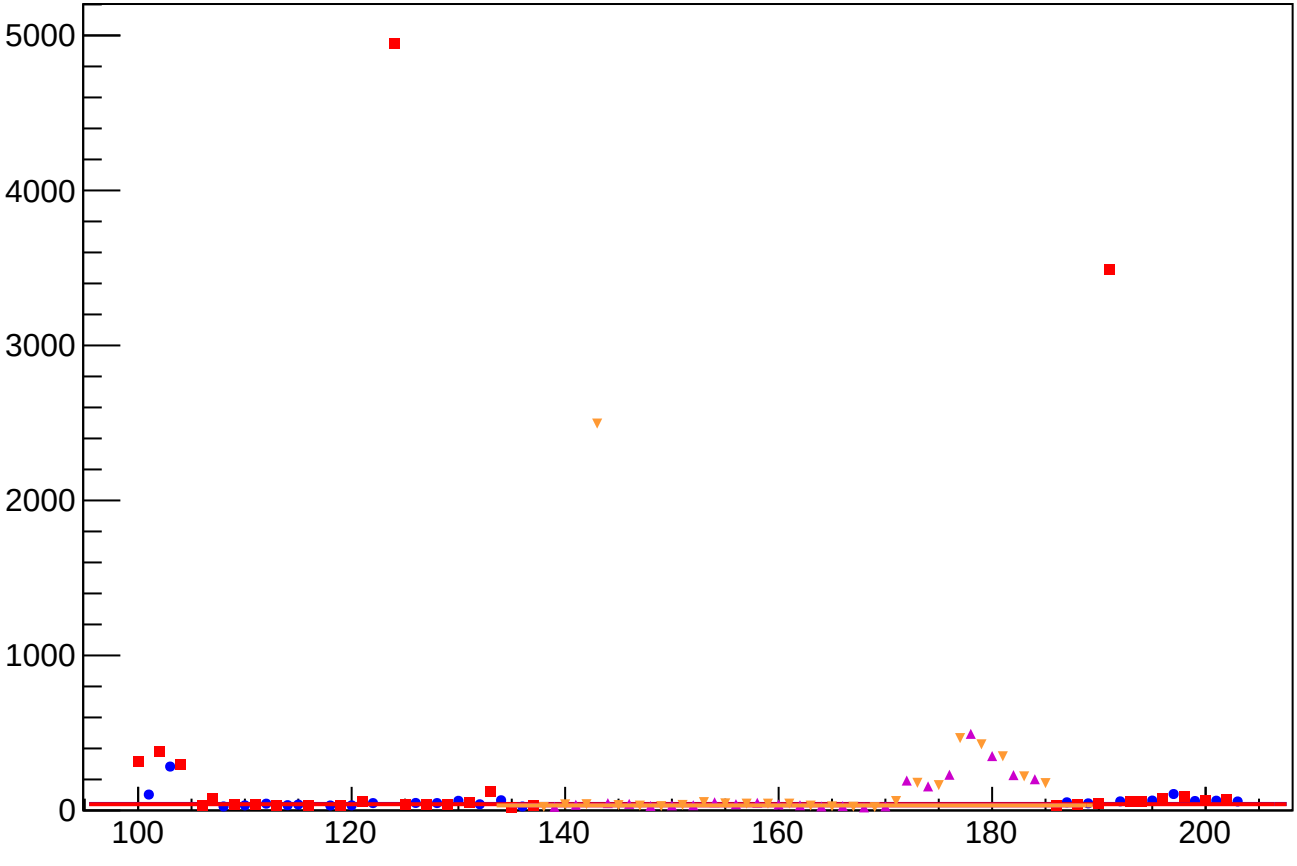
Right: 0.000+/-0.009 χ^2/NDF: 37.5/52

In: 0.011+/-0.008 χ^2/NDF:26.9/46

Out: -0.021+/-0.008 χ^2/NDF:51.7/53

All: -0.005+/-0.005 χ^2/NDF: 87.8/100

asym_atl1r2_dd_atl2r1_dd_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 41.941+/-0.009 χ^2/NDF: 3948908.3/23

Left Out: 32.551+/-0.007 χ^2/NDF:10872015.8/24

Right Out: 40.277+/-0.009 χ^2/NDF: 5258115.2/28

Left In: 32.737+/-0.007 χ^2/NDF:8963873.9/22

Left: 32.644+/-0.005 χ^2/NDF: 19836272.3/47

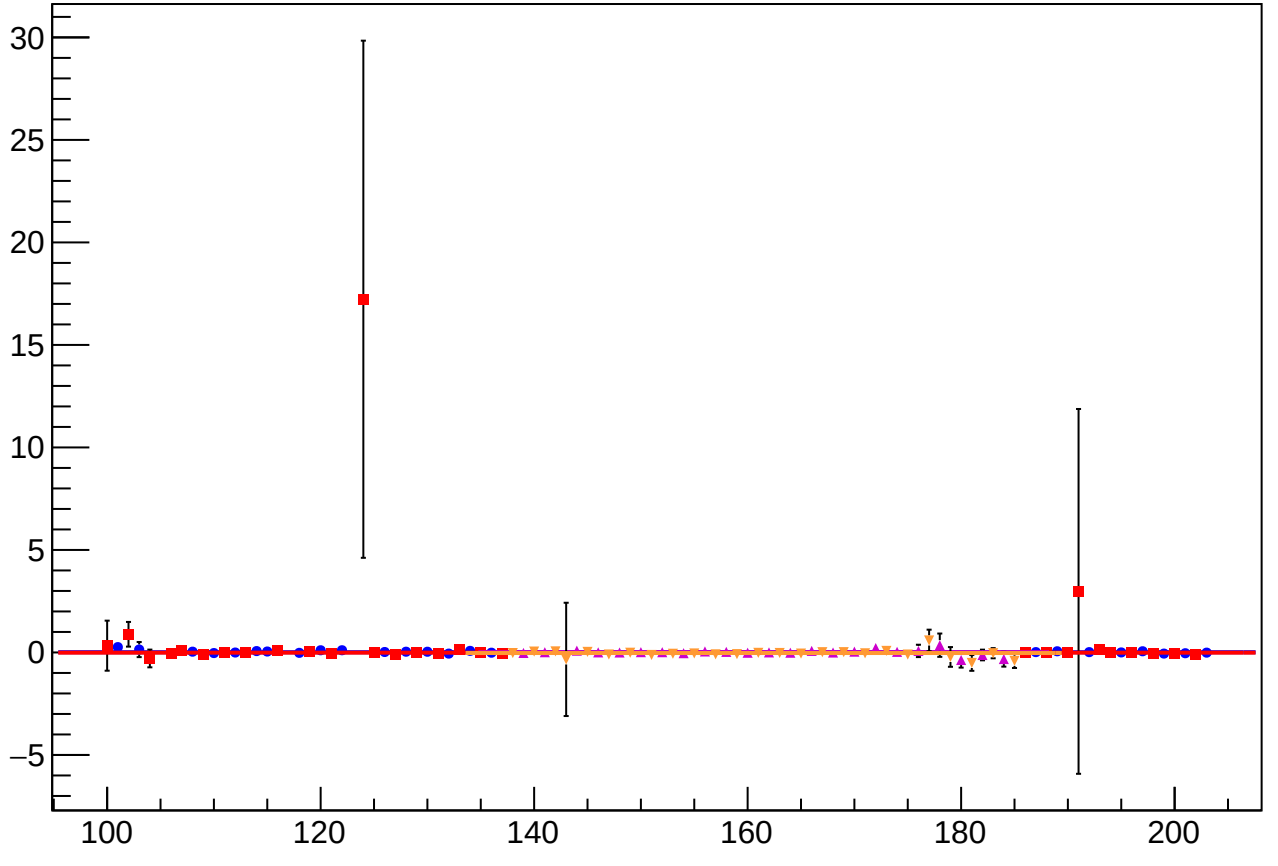
Right: 41.064+/-0.006 χ^2/NDF: 9223381.2/52

In: 35.826+/-0.005 χ^2/NDF:13542845.3/46

Out: 35.341+/-0.005 χ^2/NDF:16606161.6/53

All: 35.579+/-0.004 χ^2/NDF: 30152996.9/100

asym_atl1r2_dd_atl2r1_dd_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.012+/-0.013 χ^2/NDF: 13.8/23

Left Out: -0.028+/-0.010 χ^2/NDF:28.1/24

Right Out: -0.010+/-0.013 χ^2/NDF: 22.3/28

Left In: 0.011+/-0.009 χ^2/NDF:13.2/22

Left: -0.008+/-0.007 χ^2/NDF: 49.6/47

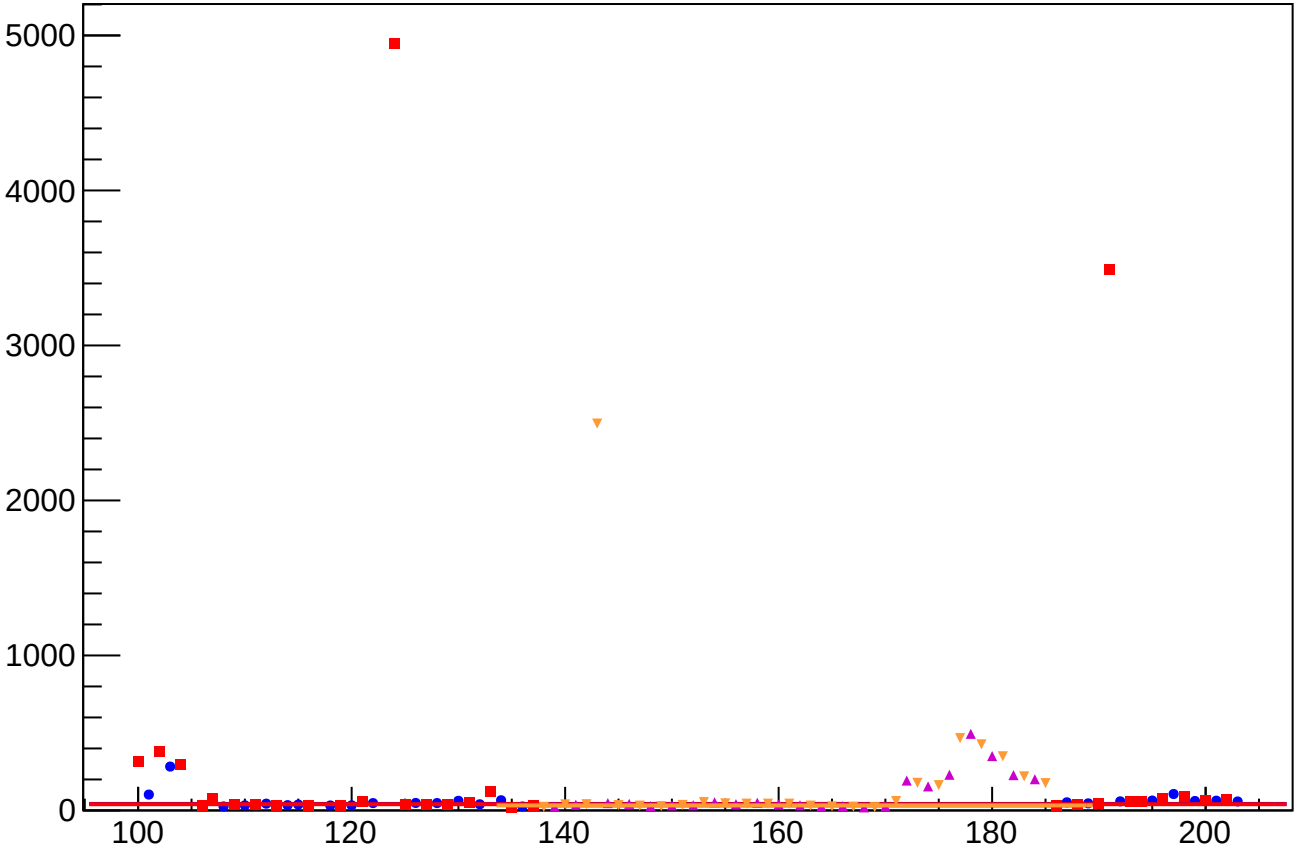
Right: 0.000+/-0.009 χ^2/NDF: 37.5/52

In: 0.011+/-0.008 χ^2/NDF:26.9/46

Out: -0.021+/-0.008 χ^2/NDF:51.7/53

All: -0.005+/-0.005 χ^2/NDF: 87.8/100

asym_atl1r2_dd_atl2r1_dd_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 41.941+/-0.009 χ^2/NDF: 3948908.3/23

Left Out: 32.551+/-0.007 χ^2/NDF:10872015.8/24

Right Out: 40.277+/-0.009 χ^2/NDF: 5258115.2/28

Left In: 32.737+/-0.007 χ^2/NDF:8963873.9/22

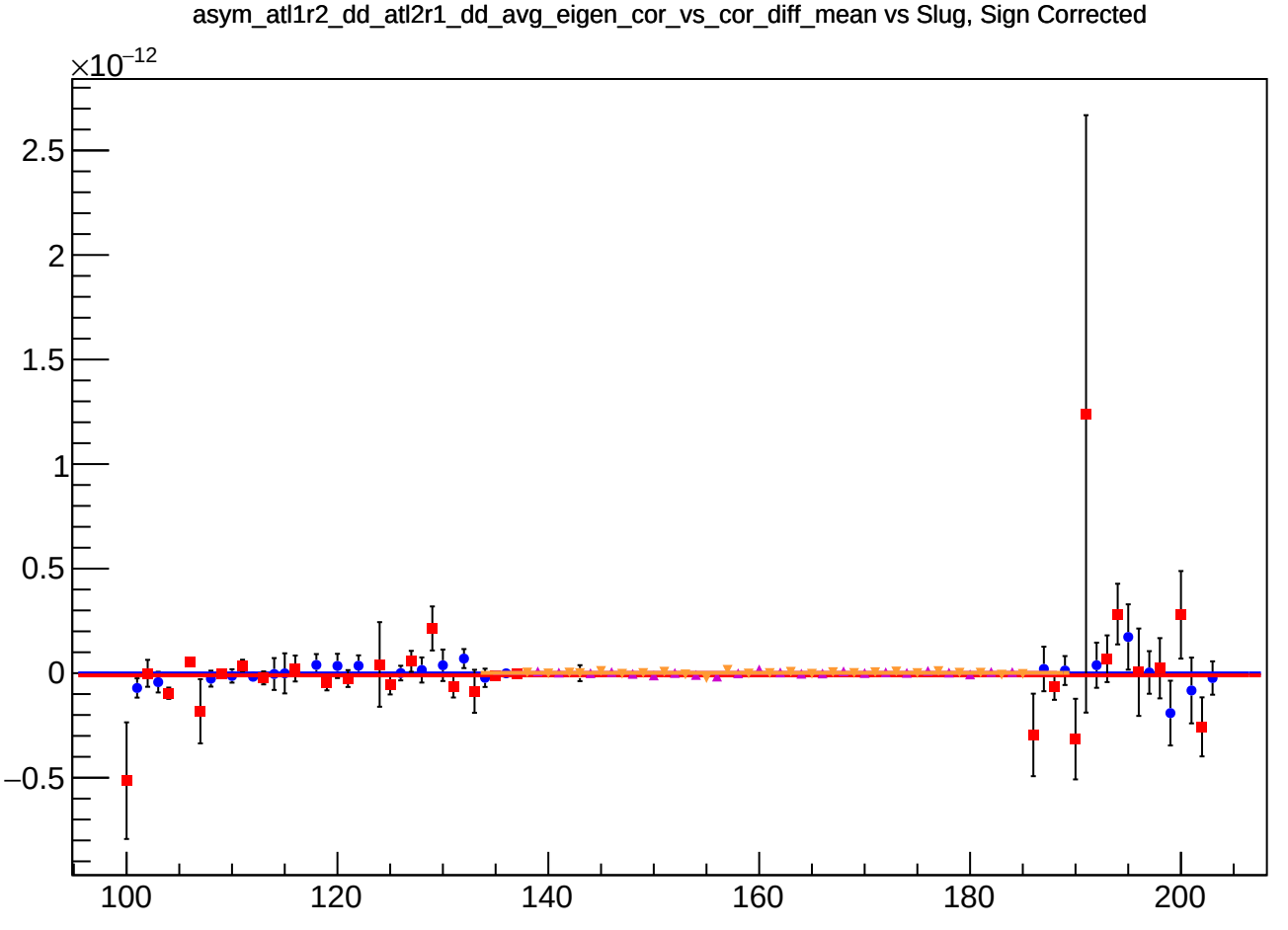
Left: 32.644+/-0.005 χ^2/NDF: 19836272.3/47

Right: 41.064+/-0.006 χ^2/NDF: 9223381.2/52

In: 35.826+/-0.005 χ^2/NDF:13542845.3/46

Out: 35.341+/-0.005 χ^2/NDF:16606161.6/53

All: 35.579+/-0.004 χ^2/NDF: 30152996.9/100



Right In: -0.000+/-0.000 χ^2/NDF: 11.9/23

Left Out: 0.000+/-0.000 χ^2/NDF:18.1/24

Right Out: -0.000+/-0.000 χ^2/NDF: 55.5/28

Left In: 0.000+/-0.000 χ^2/NDF:28.7/22

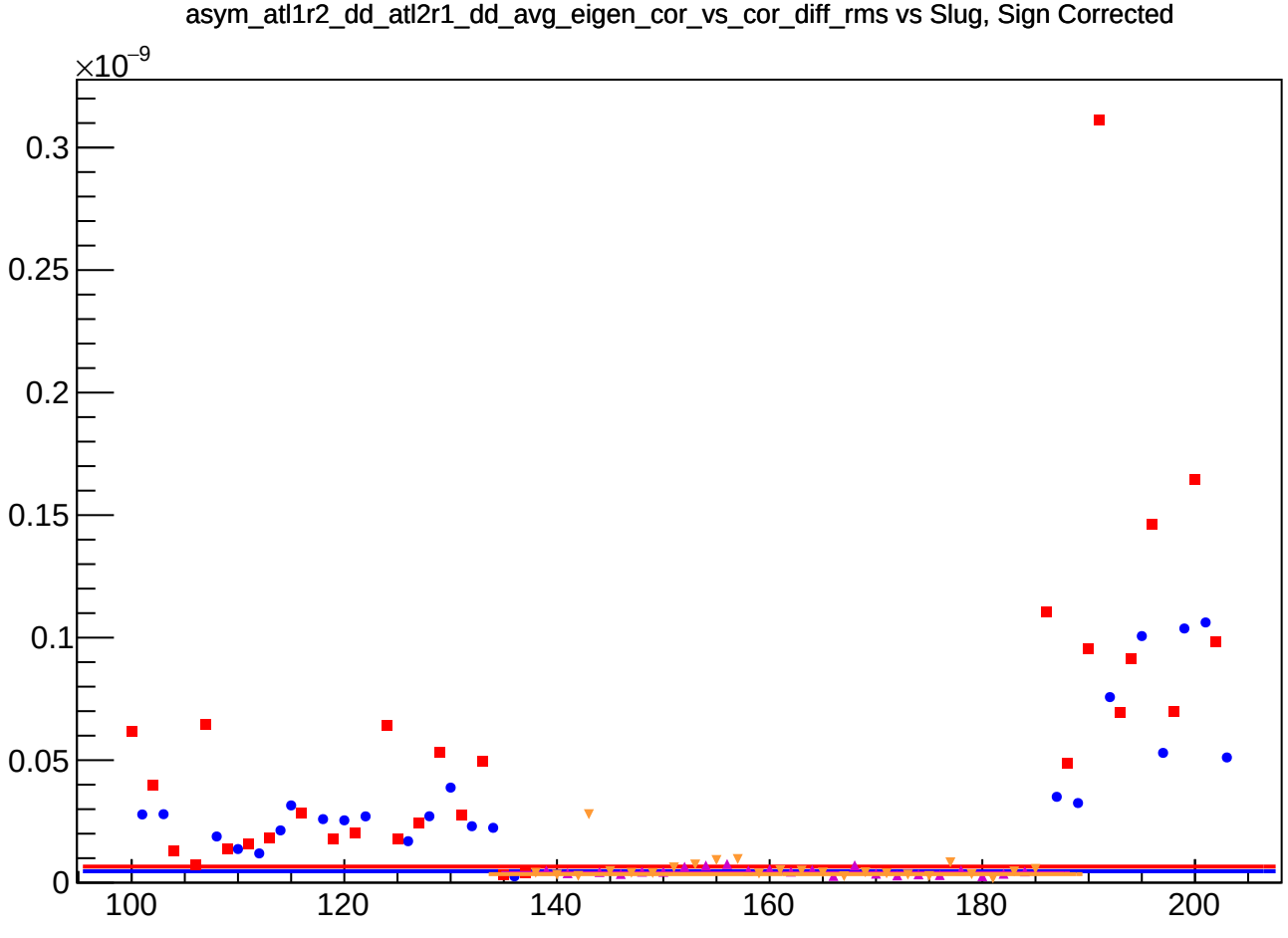
Left: 0.000+/-0.000 χ^2/NDF: 46.8/47

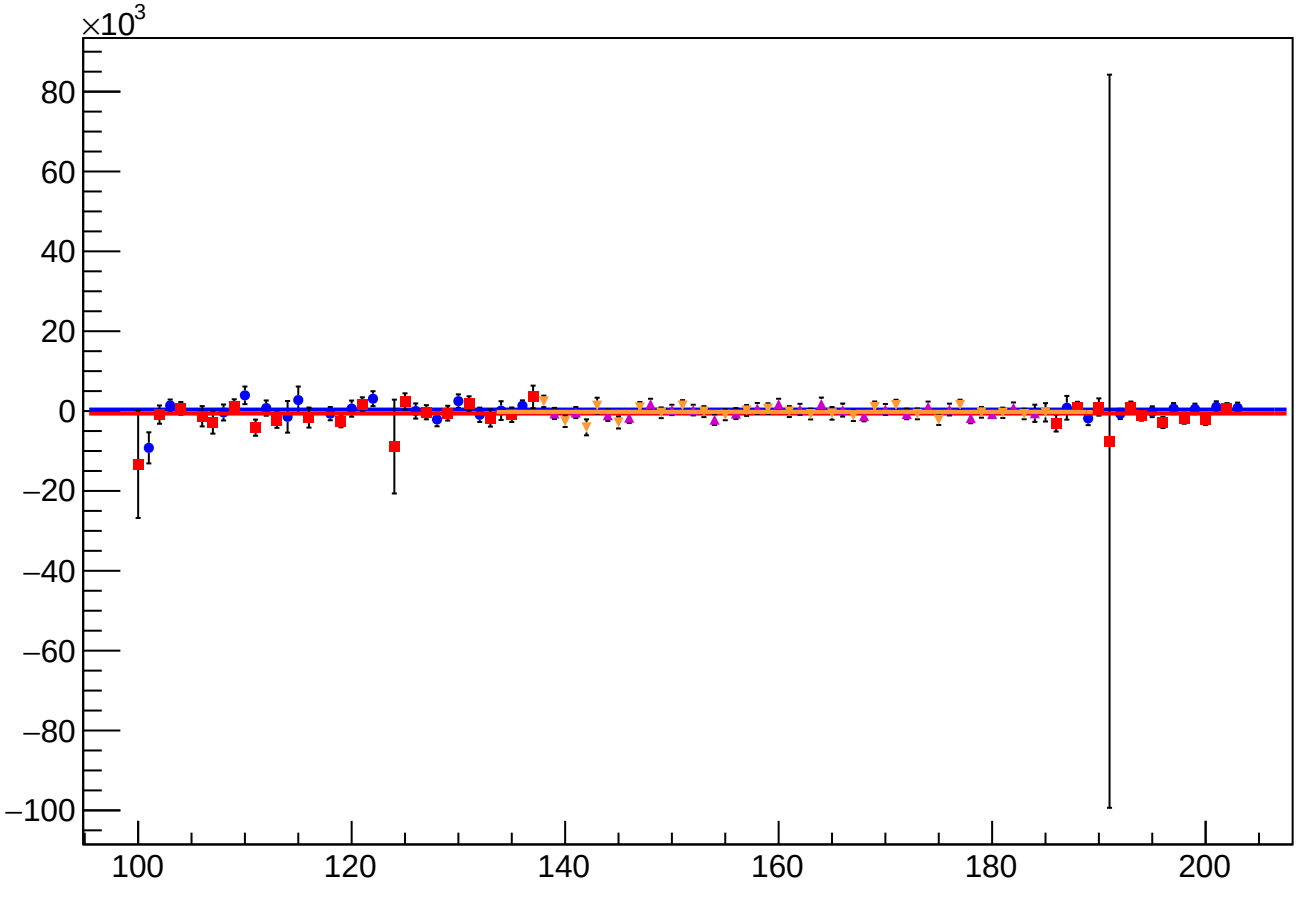
Right: -0.000+/-0.000 χ^2/NDF: 70.4/52

In: 0.000+/-0.000 χ^2/NDF:41.1/46

Out: 0.000+/-0.000 χ^2/NDF:81.4/53

All: 0.000+/-0.000 χ^2/NDF: 122.5/100


asym_atl1r2_dd_atl2r1_dd_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
0.3
0.25
0.2
0.15
0.1
0.05
0
100
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 10002564.1/23
Left Out: 0.000+/-0.000 χ²/NDF:4688121.0/24
Right Out: 0.000+/-0.000 χ²/NDF: 11418871.2/28
Left In: 0.000+/-0.000 χ²/NDF:2073078.0/22
Left: 0.000+/-0.000 χ²/NDF: 6948707.3/47
Right: 0.000+/-0.000 χ²/NDF: 21673954.0/52
In: 0.000+/-0.000 χ²/NDF:12148089.7/46
Out: 0.000+/-0.000 χ²/NDF:17133136.5/53
All: 0.000+/-0.000 χ²/NDF: 29399234.7/100



Right In: 380.864+/-352.308 χ^2/NDF: 20.2/23

Left Out: -220.721+/-283.055 χ^2/NDF:23.9/24

Right Out: -626.859+/-342.208 χ^2/NDF: 27.0/28

Left In: -92.402+/-288.217 χ^2/NDF:14.7/22

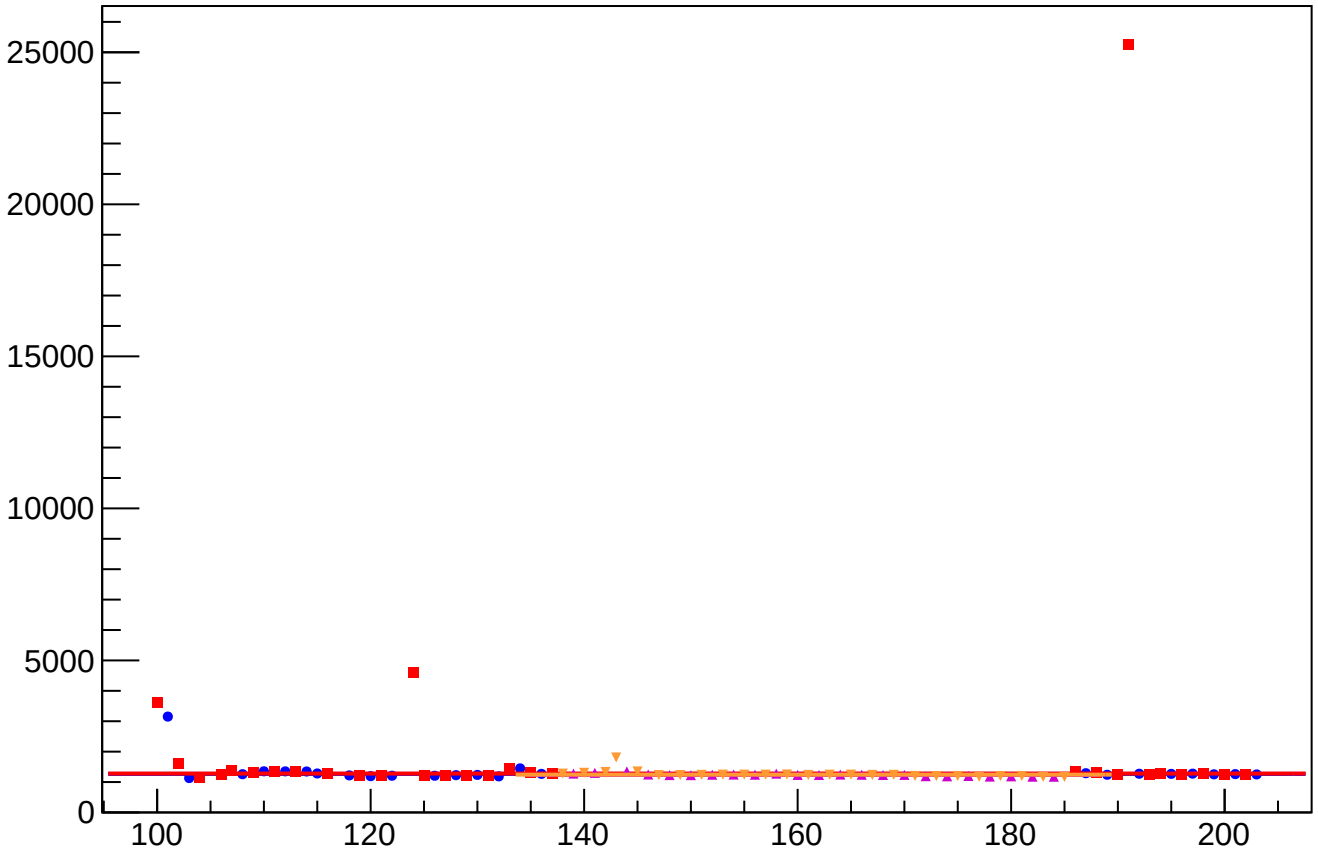
Left: -157.721+/-201.950 χ^2/NDF: 38.7/47

Right: -137.649+/-245.470 χ^2/NDF: 51.5/52

In: 97.346+/-223.078 χ^2/NDF:36.0/46

Out: -385.708+/-218.111 χ^2/NDF:51.8/53

All: -149.619+/-155.954 χ^2/NDF: 90.2/100



Right In: 1267.948+/-0.249 χ^2/NDF: 520874.4/23

Left Out: 1242.825+/-0.200 χ^2/NDF:203299.1/24

Right Out: 1278.761+/-0.242 χ^2/NDF: 470376.6/28

Left In: 1233.752+/-0.204 χ^2/NDF:39281.8/22

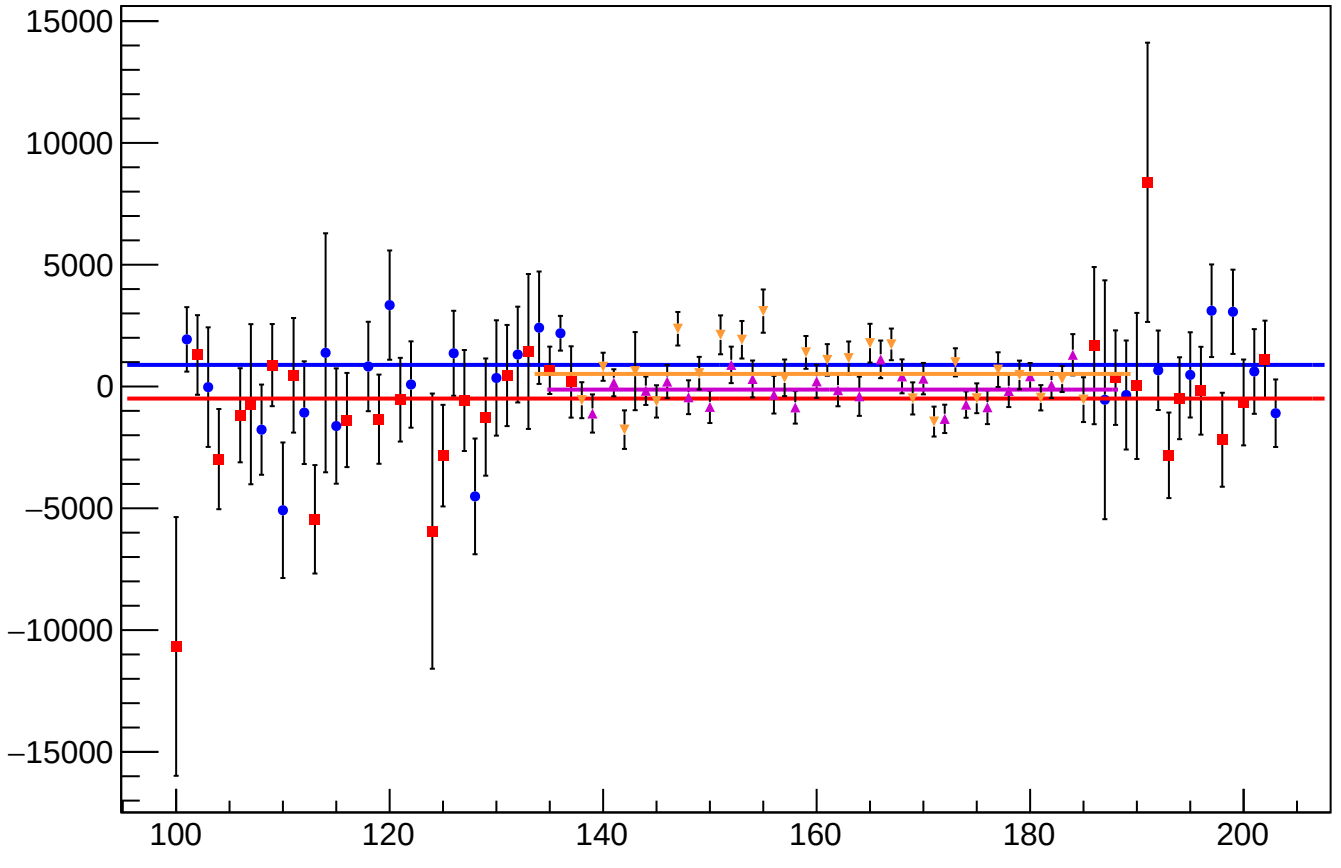
Left: 1238.371+/-0.143 χ^2/NDF: 243589.7/47

Right: 1273.512+/-0.174 χ^2/NDF: 992220.3/52

In: 1247.462+/-0.158 χ^2/NDF:571443.8/46

Out: 1257.423+/-0.154 χ^2/NDF:686771.2/53

All: 1252.555+/-0.110 χ^2/NDF: 1260253.7/10



Right In: 887.253+/-355.340 χ^2/NDF: 25.4/23

Left Out: 516.792+/-135.746 χ^2/NDF:67.0/24

Right Out: -494.846+/-361.782 χ^2/NDF: 23.8/28

Left In: -126.569+/-137.266 χ^2/NDF:21.6/22

Left: 198.694+/-96.520 χ^2/NDF: 99.7/47

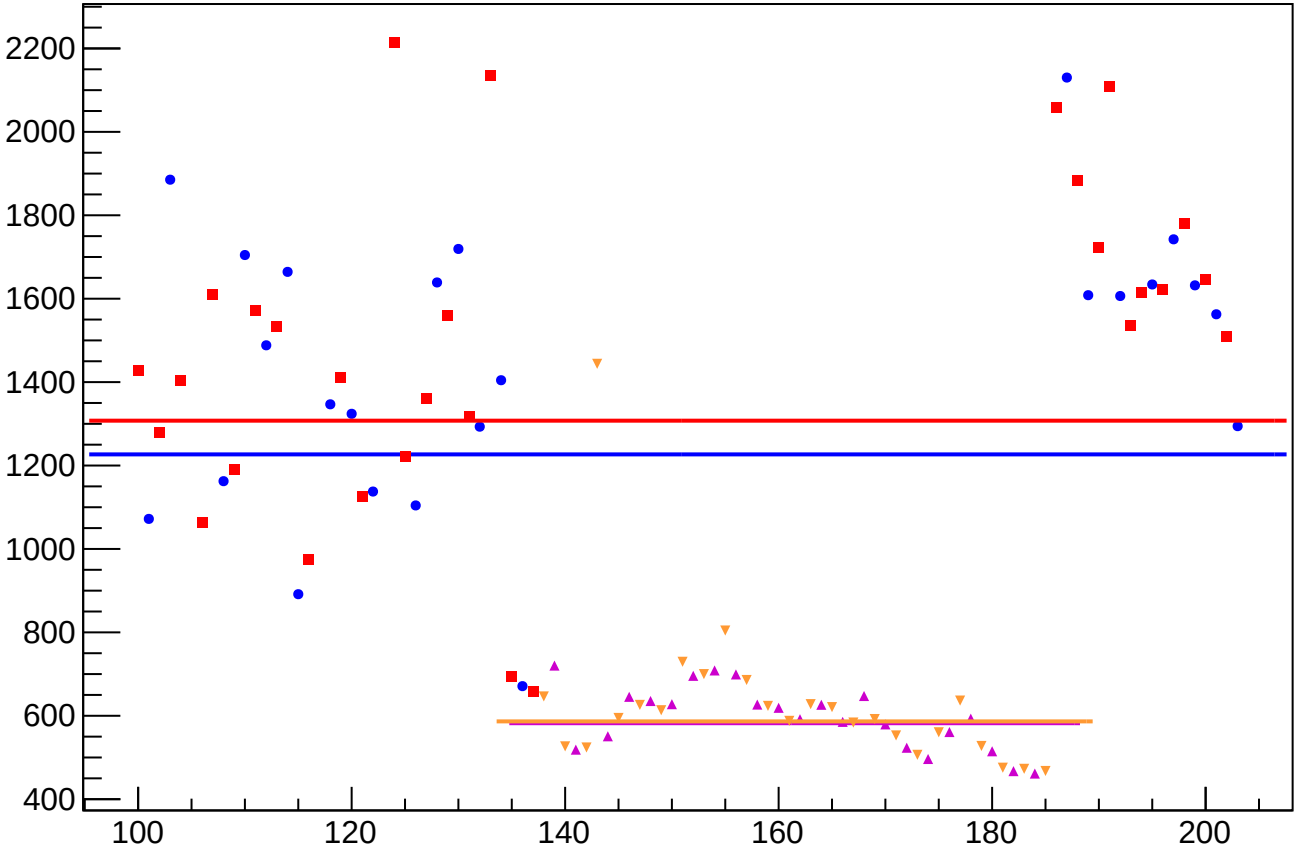
Right: 208.617+/-253.510 χ^2/NDF: 56.7/52

In: 5.073+/-128.045 χ^2/NDF:54.0/46

Out: 391.944+/-127.094 χ^2/NDF:97.7/53

All: 199.950+/-90.203 χ^2/NDF: 156.4/100

asym_at1_dd_at2_dd_avg_reg_correction_rms vs Slug, Sign Corrected



Right In: 1226.721+/-0.251 χ^2/NDF: 2401715.0/23

Left Out: 586.557+/-0.096 χ^2/NDF:1202915.7/24

Right Out: 1307.558+/-0.256 χ^2/NDF: 2350254.8/28

Left In: 582.190+/-0.097 χ^2/NDF:559261.3/22

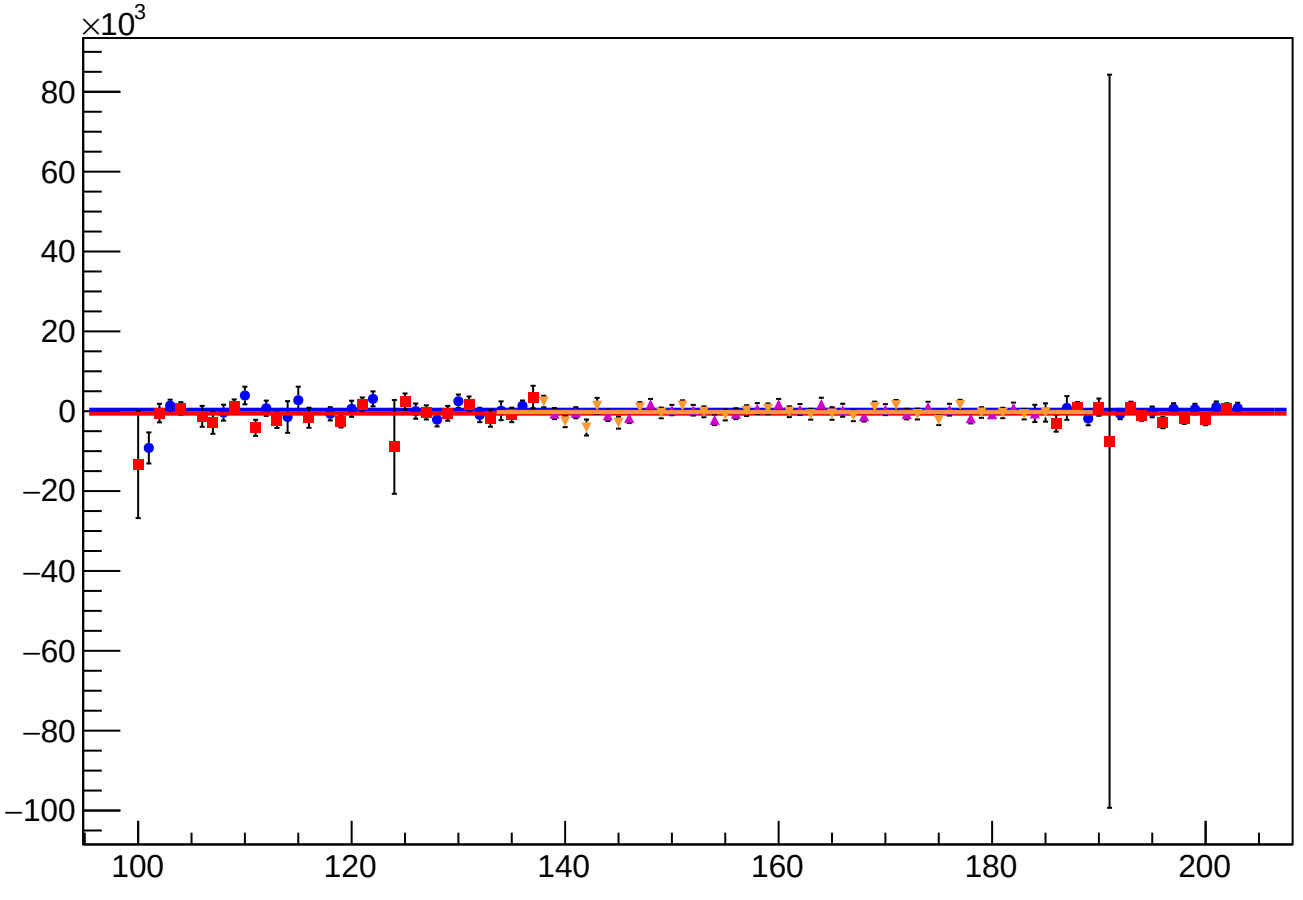
Left: 584.398+/-0.068 χ^2/NDF: 1763200.3/47

Right: 1266.413+/-0.179 χ^2/NDF: 4802792.9/52

In: 665.881+/-0.091 χ^2/NDF:8686607.4/46

Out: 675.537+/-0.090 χ^2/NDF:10516285.3/53

All: 670.745+/-0.064 χ^2/NDF: 19208622.2/10



Right In: 381.082+/-352.308 χ^2/NDF: 20.2/23

Left Out: -220.755+/-283.055 χ^2/NDF:23.9/24

Right Out: -616.661+/-342.503 χ^2/NDF: 27.0/28

Left In: -92.472+/-288.217 χ^2/NDF:14.7/22

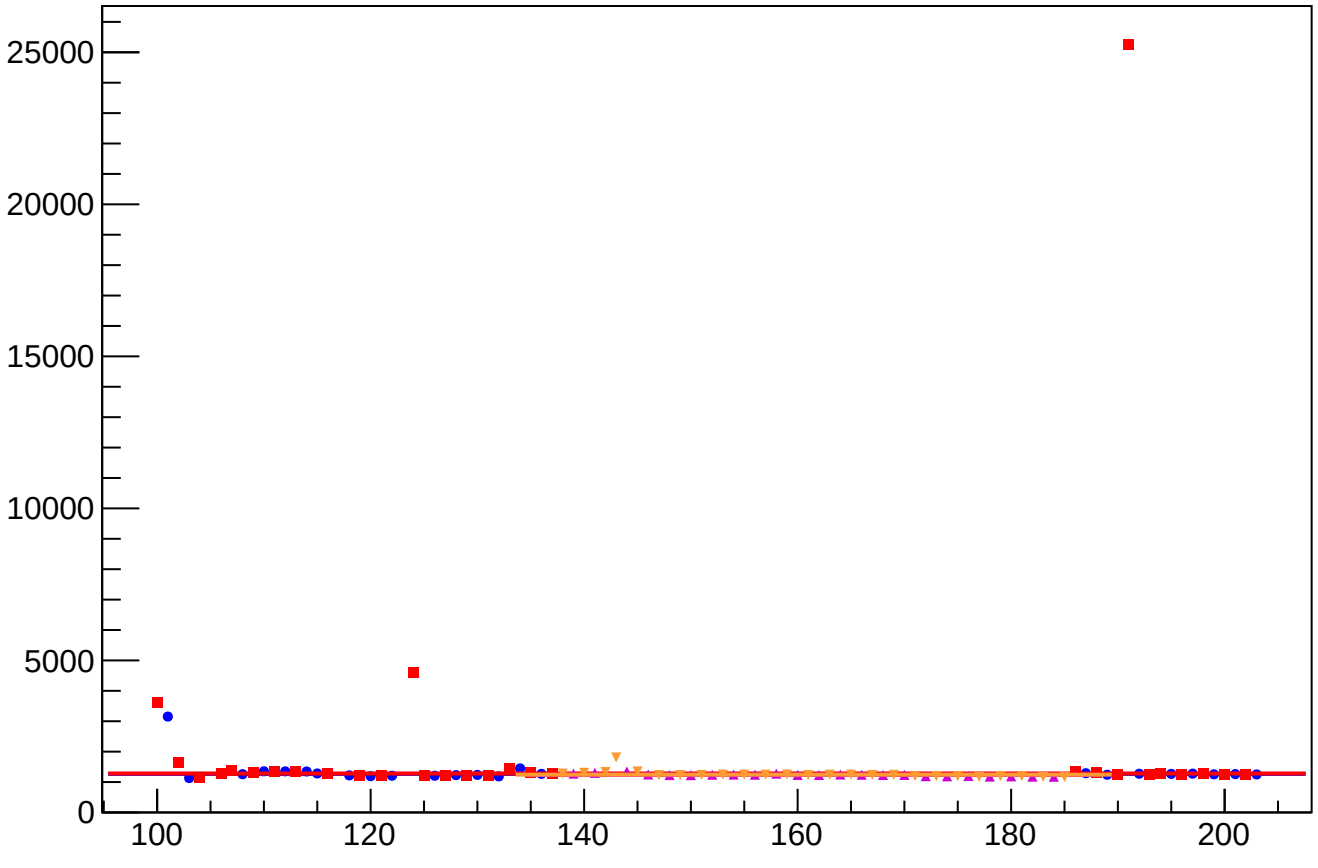
Left: -157.773+/-201.950 χ^2/NDF: 38.7/47

Right: -131.867+/-245.579 χ^2/NDF: 51.3/52

In: 97.391+/-223.078 χ^2/NDF:36.0/46

Out: -381.421+/-218.188 χ^2/NDF:51.7/53

All: -147.321+/-155.982 χ^2/NDF: 90.0/100



Right In: 1267.948+/-0.249 χ^2/NDF: 520875.8/23

Left Out: 1242.825+/-0.200 χ^2/NDF:203299.1/24

Right Out: 1279.913+/-0.242 χ^2/NDF: 477197.6/28

Left In: 1233.752+/-0.204 χ^2/NDF:39281.7/22

Left: 1238.371+/-0.143 χ^2/NDF: 243589.6/47

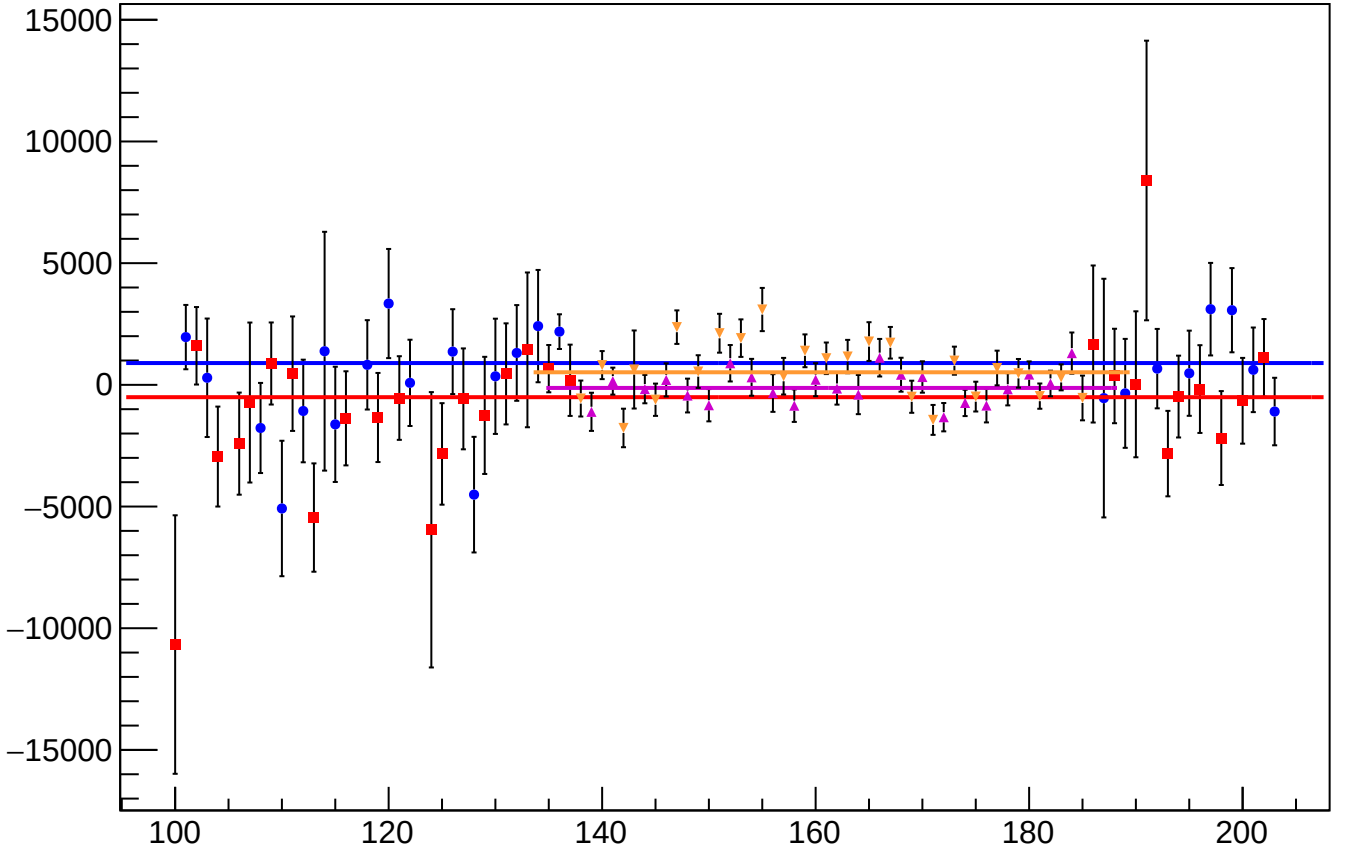
Right: 1274.100+/-0.174 χ^2/NDF: 999259.4/52

In: 1247.462+/-0.158 χ^2/NDF:571445.2/46

Out: 1257.876+/-0.154 χ^2/NDF:694431.6/53

All: 1252.785+/-0.110 χ^2/NDF: 1268104.3/10

asym_at1_dd_at2_dd_avg_cor_correction_mean vs Slug, Sign Corrected



Right In: 895.941+/-355.238 χ^2/NDF: 25.4/23

Left Out: 516.811+/-135.747 χ^2/NDF:67.0/24

Right Out: -506.492+/-362.258 χ^2/NDF: 25.1/28

Left In: -126.549+/-137.266 χ^2/NDF:21.6/22

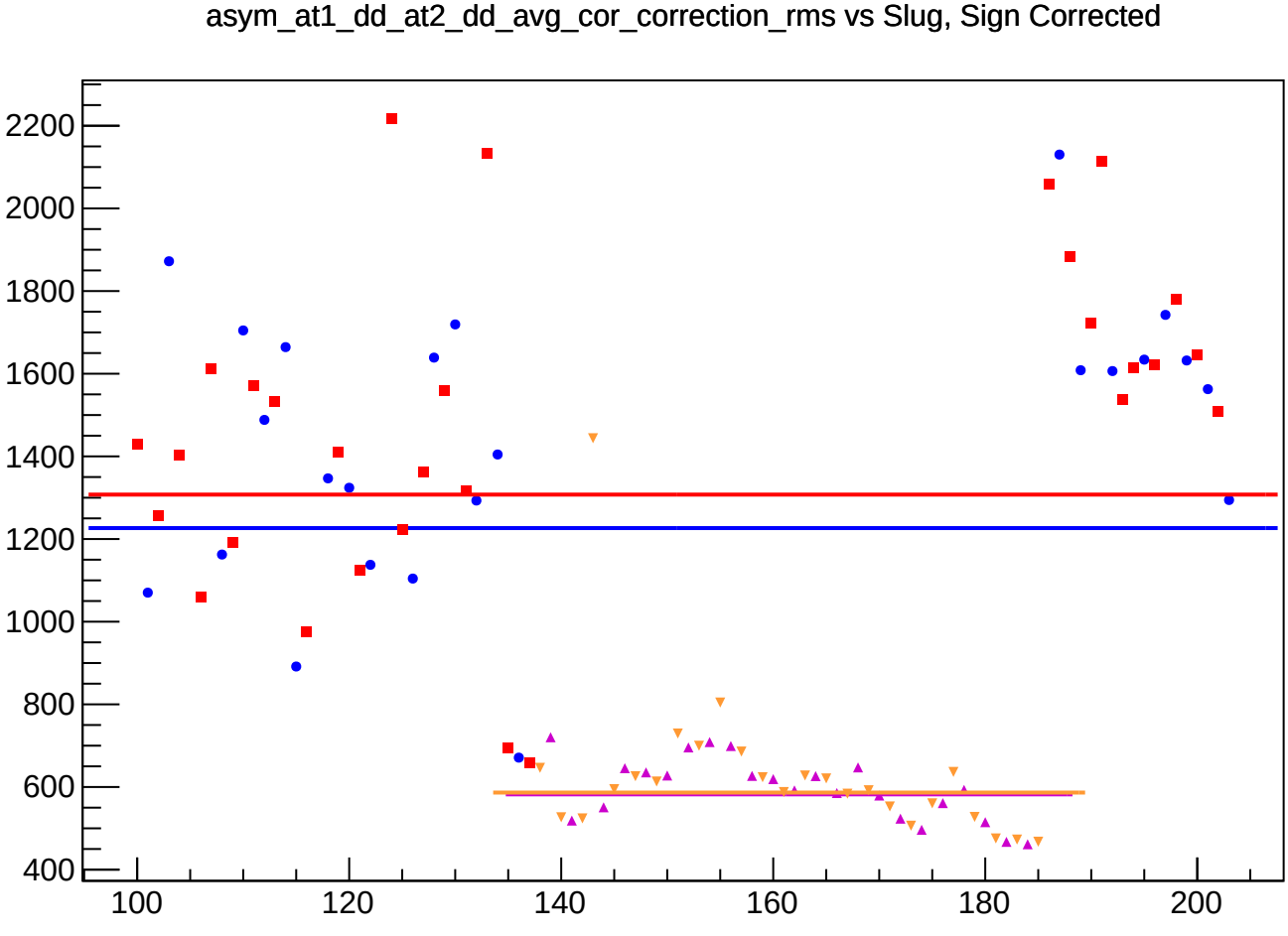
Left: 198.710+/-96.520 χ^2/NDF: 99.7/47

Right: 208.447+/-253.637 χ^2/NDF: 58.1/52

In: 6.285+/-128.039 χ^2/NDF:54.1/46

Out: 390.813+/-127.115 χ^2/NDF:99.1/53

All: 199.942+/-90.209 χ^2/NDF: 157.8/100



Right In: 1226.505+/-0.251 χ^2/NDF: 2399015.2/23

Left Out: 586.562+/-0.096 χ^2/NDF:1202822.0/24

Right Out: 1307.524+/-0.256 χ^2/NDF: 2347896.9/28

Left In: 582.189+/-0.097 χ^2/NDF:559258.0/22

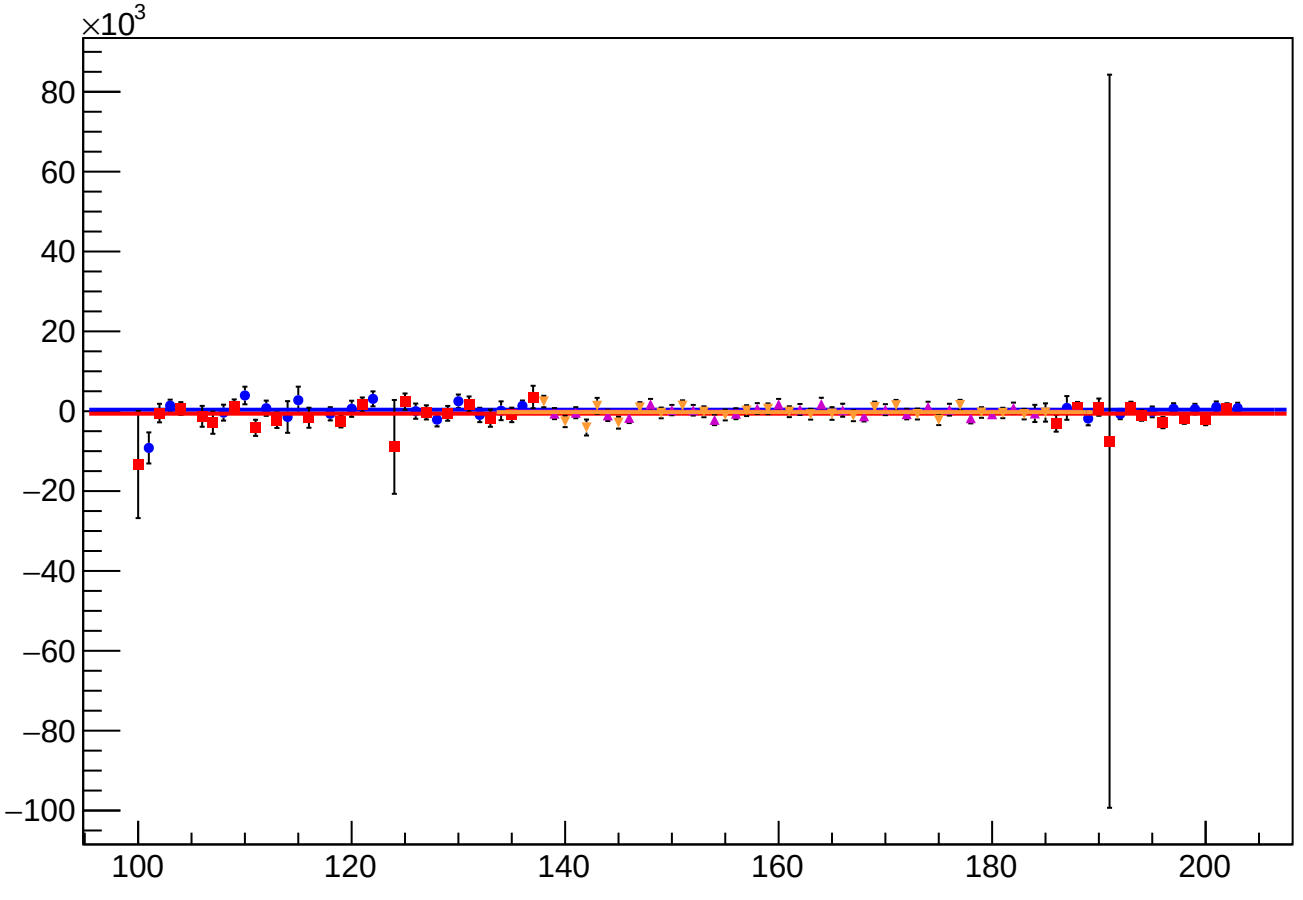
Left: 584.400+/-0.068 χ^2/NDF: 1763106.4/47

Right: 1266.222+/-0.179 χ^2/NDF: 4797910.2/52

In: 665.893+/-0.091 χ^2/NDF:8682981.0/46

Out: 675.333+/-0.090 χ^2/NDF:10497018.7/53

All: 670.647+/-0.064 χ^2/NDF: 19185474.6/10



Right In: 381.082+/-352.308 χ^2/NDF: 20.2/23

Left Out: -220.755+/-283.055 χ^2/NDF:23.9/24

Right Out: -616.661+/-342.503 χ^2/NDF: 27.0/28

Left In: -92.472+/-288.217 χ^2/NDF:14.7/22

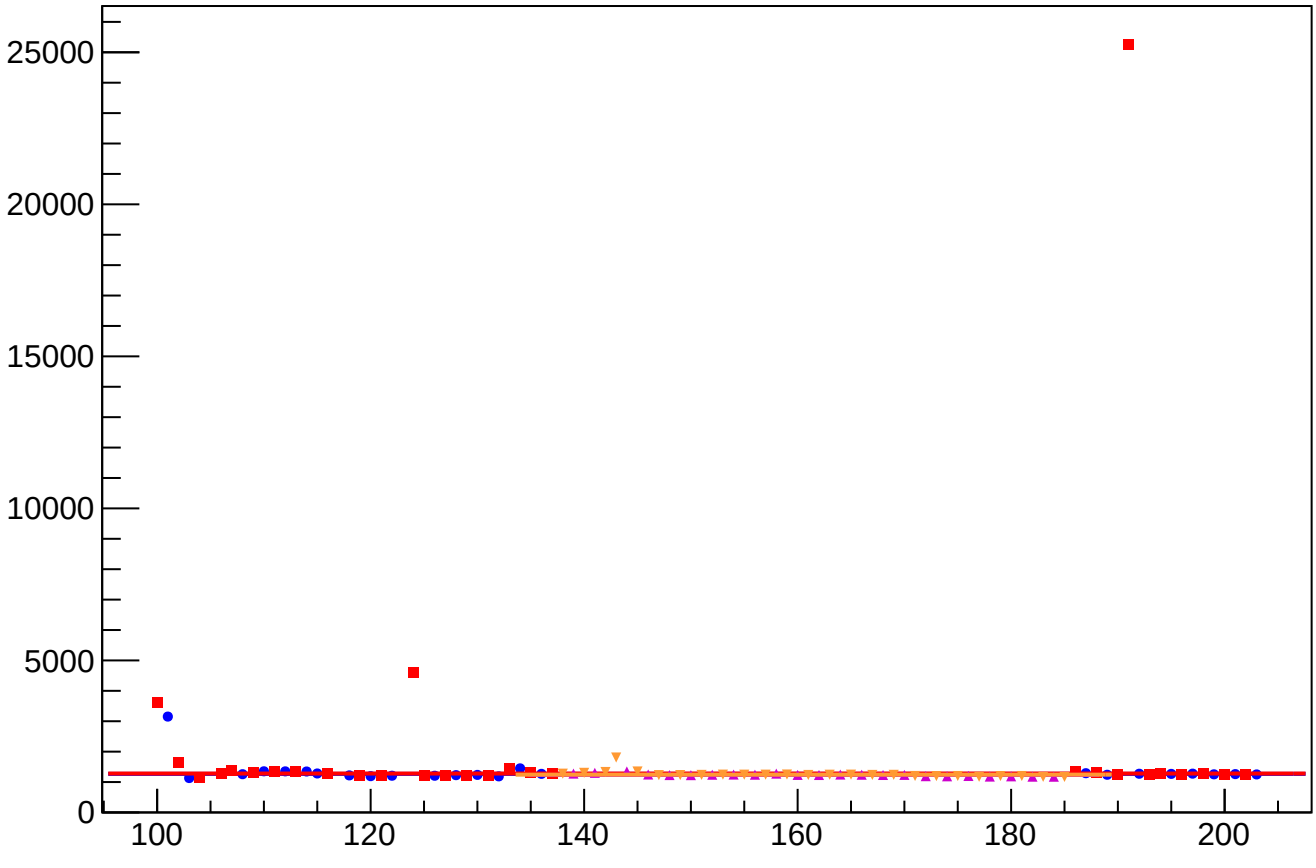
Left: -157.773+/-201.950 χ^2/NDF: 38.7/47

Right: -131.867+/-245.579 χ^2/NDF: 51.3/52

In: 97.391+/-223.078 χ^2/NDF:36.0/46

Out: -381.421+/-218.188 χ^2/NDF:51.7/53

All: -147.321+/-155.982 χ^2/NDF: 90.0/100



Right In: 1267.948+/-0.249 χ^2/NDF: 520875.8/23

Left Out: 1242.825+/-0.200 χ^2/NDF:203299.1/24

Right Out: 1279.913+/-0.242 χ^2/NDF: 477197.6/28

Left In: 1233.752+/-0.204 χ^2/NDF:39281.7/22

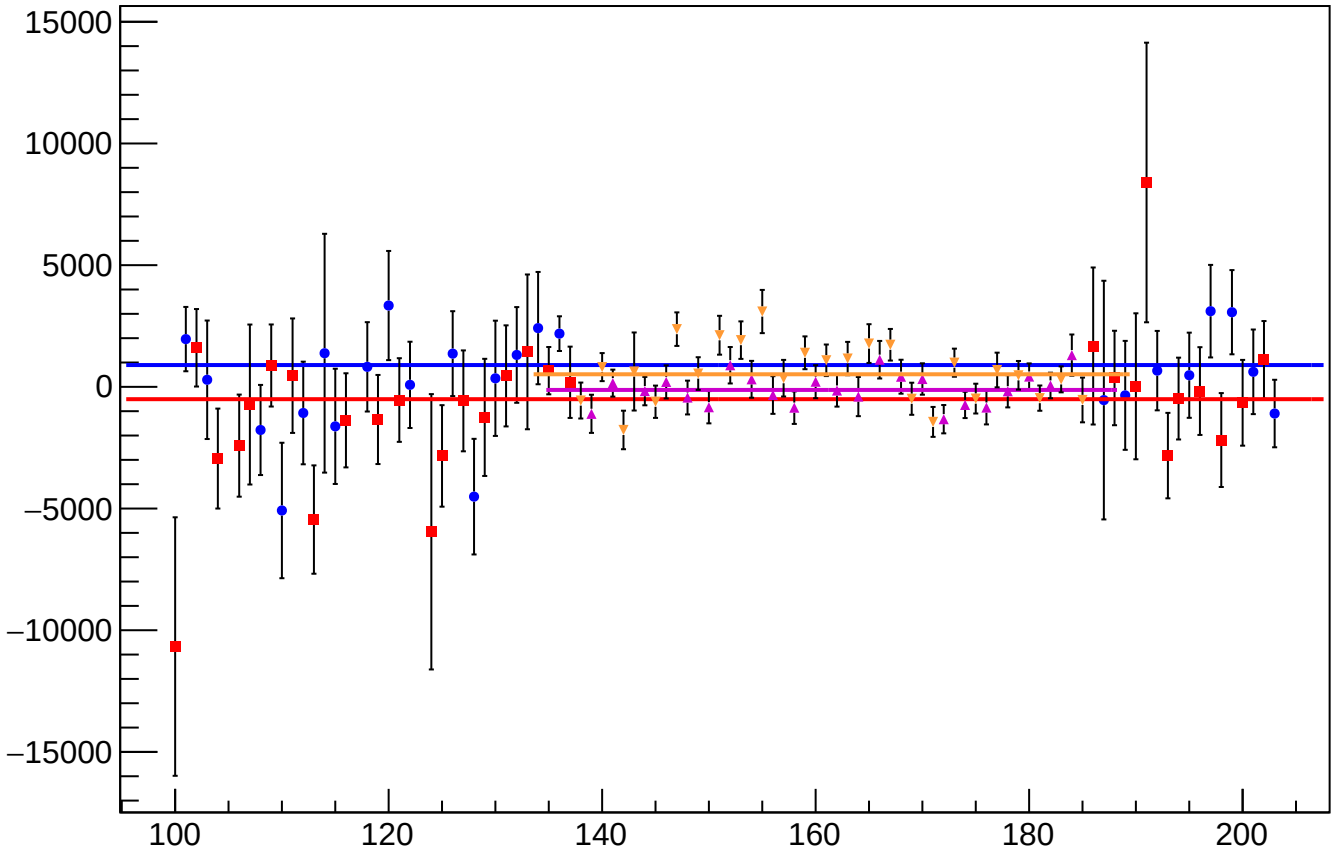
Left: 1238.371+/-0.143 χ^2/NDF: 243589.6/47

Right: 1274.100+/-0.174 χ^2/NDF: 999259.4/52

In: 1247.462+/-0.158 χ^2/NDF:571445.2/46

Out: 1257.876+/-0.154 χ^2/NDF:694431.6/53

All: 1252.785+/-0.110 χ^2/NDF: 1268104.3/10



Right In: 895.941+/-355.238 χ^2/NDF: 25.4/23

Left Out: 516.811+/-135.747 χ^2/NDF:67.0/24

Right Out: -506.492+/-362.258 χ^2/NDF: 25.1/28

Left In: -126.549+/-137.266 χ^2/NDF:21.6/22

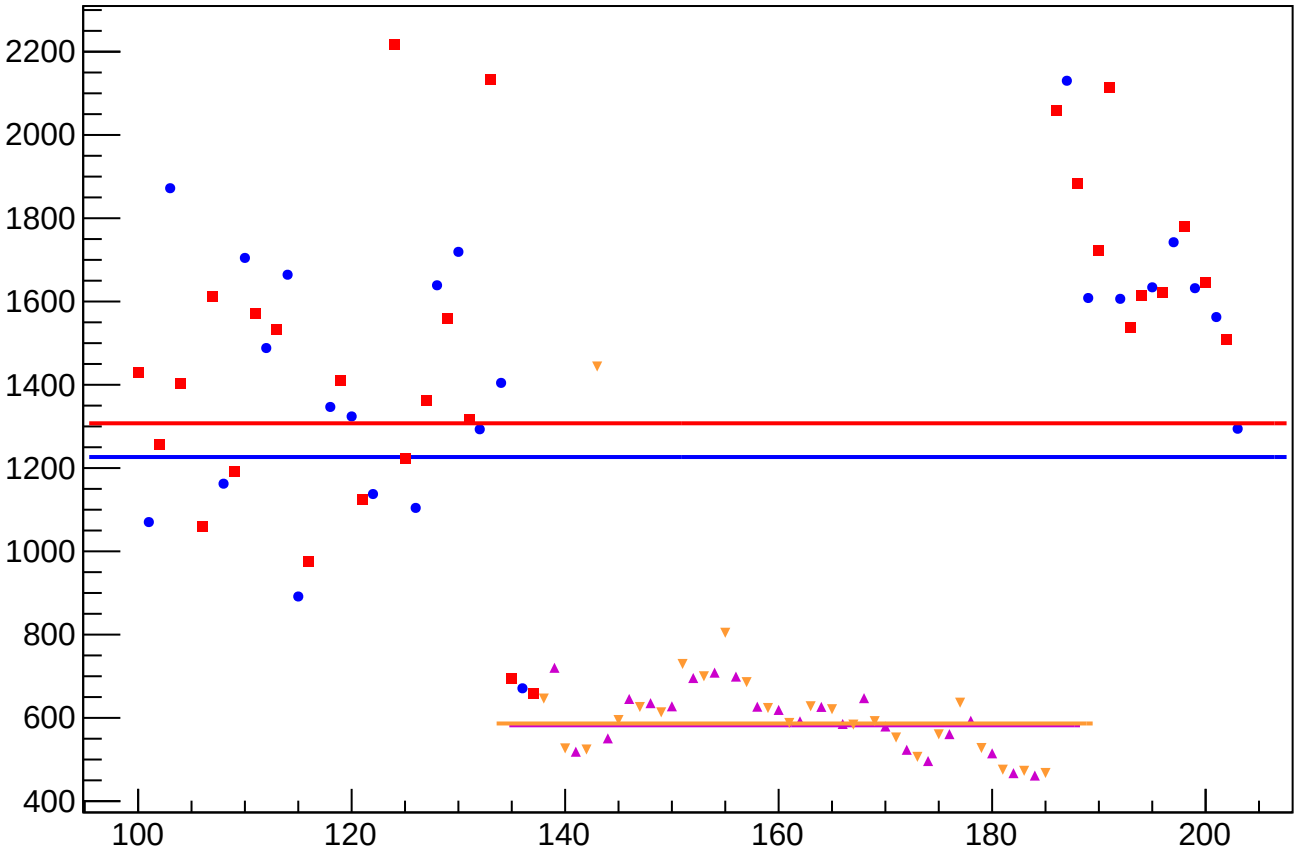
Left: 198.710+/-96.520 χ^2/NDF: 99.7/47

Right: 208.447+/-253.637 χ^2/NDF: 58.1/52

In: 6.285+/-128.039 χ^2/NDF:54.1/46

Out: 390.813+/-127.115 χ^2/NDF:99.1/53

All: 199.942+/-90.209 χ^2/NDF: 157.8/100



Right In: 1226.505+/-0.251 χ^2/NDF: 2399015.2/23

Left Out: 586.562+/-0.096 χ^2/NDF:1202822.0/24

Right Out: 1307.524+/-0.256 χ^2/NDF: 2347896.9/28

Left In: 582.189+/-0.097 χ^2/NDF:559258.0/22

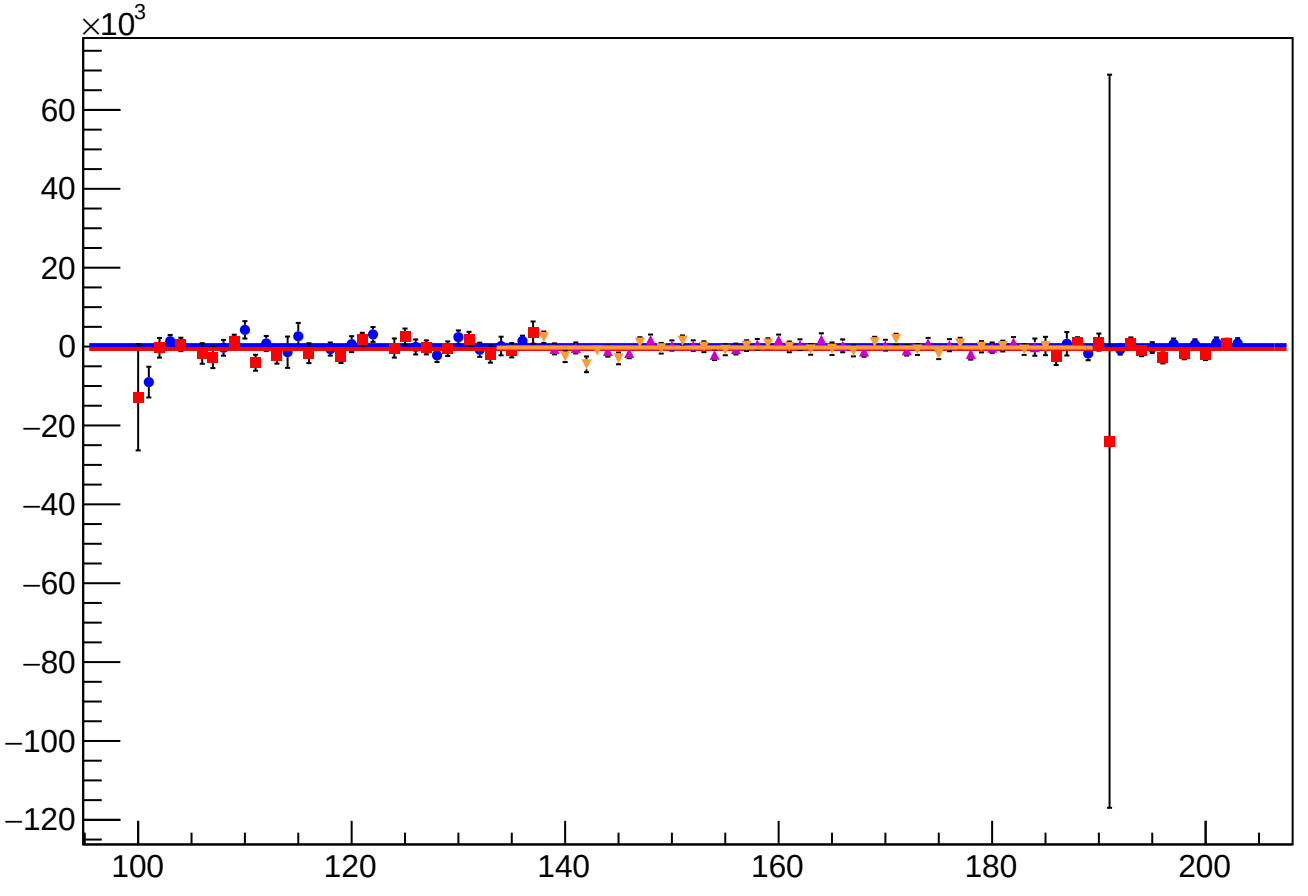
Left: 584.400+/-0.068 χ^2/NDF: 1763106.4/47

Right: 1266.222+/-0.179 χ^2/NDF: 4797910.2/52

In: 665.893+/-0.091 χ^2/NDF:8682981.0/46

Out: 675.333+/-0.090 χ^2/NDF:10497018.7/53

All: 670.647+/-0.064 χ^2/NDF: 19185474.6/10



Right In: 368.671+/-353.757 χ^2/NDF: 20.2/23

Left Out: -250.849+/-279.923 χ^2/NDF:24.0/24

Right Out: -607.818+/-341.280 χ^2/NDF: 26.5/28

Left In: -74.881+/-291.458 χ^2/NDF:14.0/22

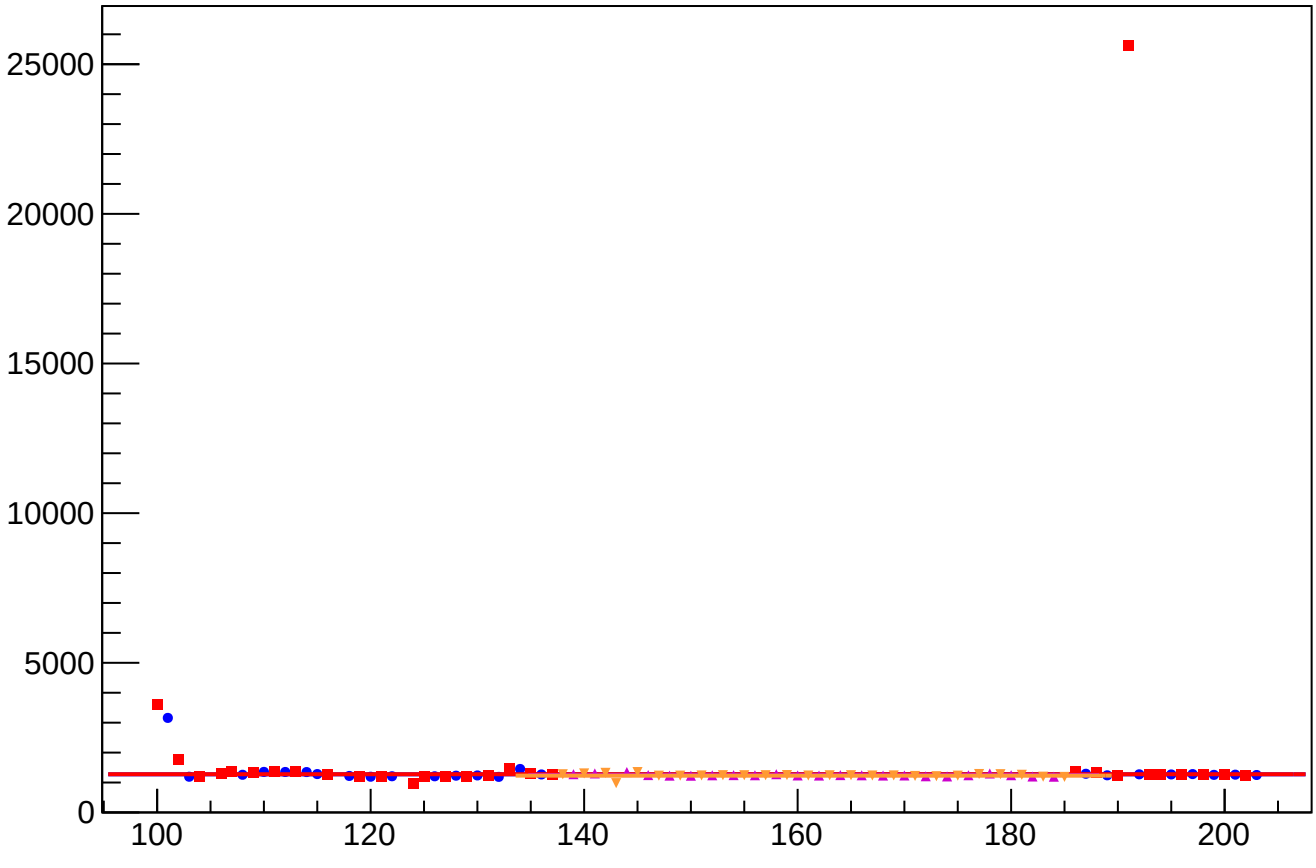
Left: -166.416+/-201.890 χ^2/NDF: 38.2/47

Right: -137.098+/-245.614 χ^2/NDF: 50.6/52

In: 104.463+/-224.945 χ^2/NDF:35.1/46

Out: -394.416+/-216.432 χ^2/NDF:51.2/53

All: -154.595+/-155.963 χ^2/NDF: 88.8/100



Right In: 1273.420+/-0.250 χ^2/NDF: 509496.4/23

Left Out: 1229.986+/-0.198 χ^2/NDF:141607.5/24

Right Out: 1277.552+/-0.241 χ^2/NDF: 369925.3/28

Left In: 1247.785+/-0.206 χ^2/NDF:27340.8/22

Left: 1238.526+/-0.143 χ^2/NDF: 172828.2/47

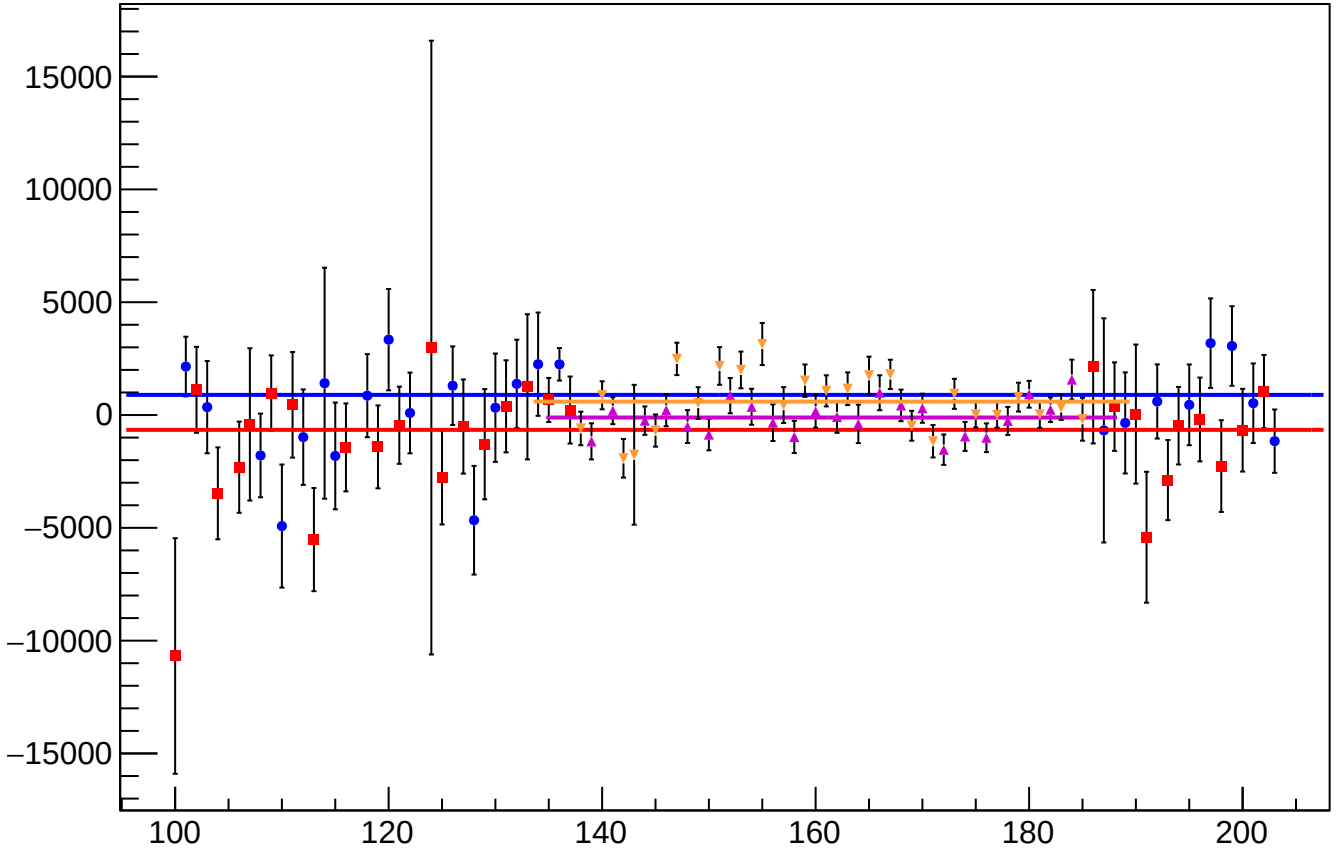
Right: 1275.560+/-0.174 χ^2/NDF: 879563.0/52

In: 1258.150+/-0.159 χ^2/NDF:543093.2/46

Out: 1249.116+/-0.153 χ^2/NDF:534758.5/53

All: 1253.459+/-0.110 χ^2/NDF: 1079526.8/10

asym_at1_dd_at2_dd_avg_dit_correction_mean vs Slug, Sign Corrected



Right In: 893.134+/-356.751 χ^2/NDF: 26.0/23

Left Out: 595.000+/-142.130 χ^2/NDF:57.3/24

Right Out: -656.432+/-366.987 χ^2/NDF: 24.2/28

Left In: -110.252+/-144.232 χ^2/NDF:25.7/22

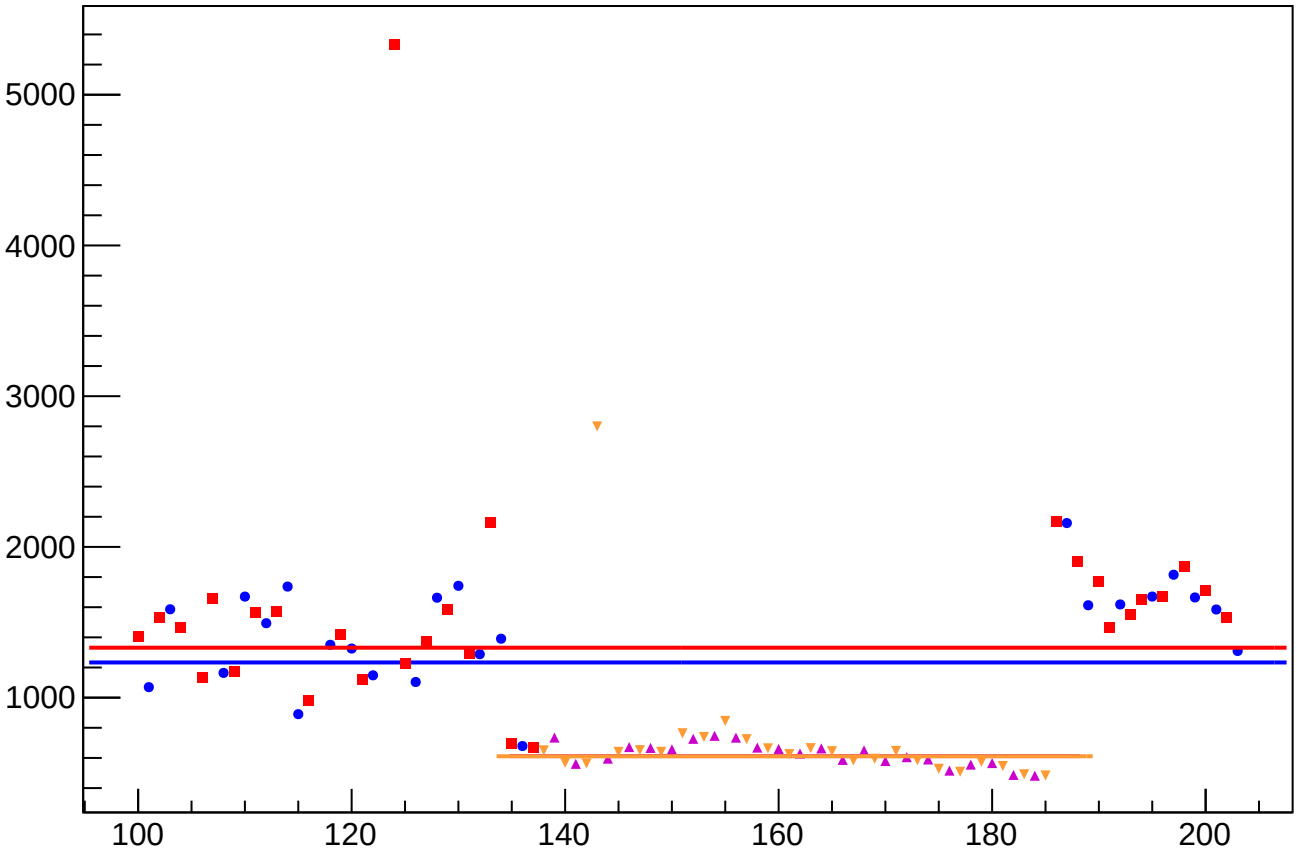
Left: 247.550+/-101.236 χ^2/NDF: 95.2/47

Right: 140.264+/-255.803 χ^2/NDF: 59.4/52

In: 30.714+/-133.717 χ^2/NDF:58.5/46

Out: 431.776+/-132.538 χ^2/NDF:91.6/53

All: 233.022+/-94.133 χ^2/NDF: 154.7/100



Right In: 1233.456+/-0.252 χ^2/NDF: 2342203.4/23

Left Out: 611.087+/-0.101 χ^2/NDF:1619322.3/24

Right Out: 1331.392+/-0.259 χ^2/NDF: 2561643.1/28

Left In: 612.399+/-0.102 χ^2/NDF:508595.4/22

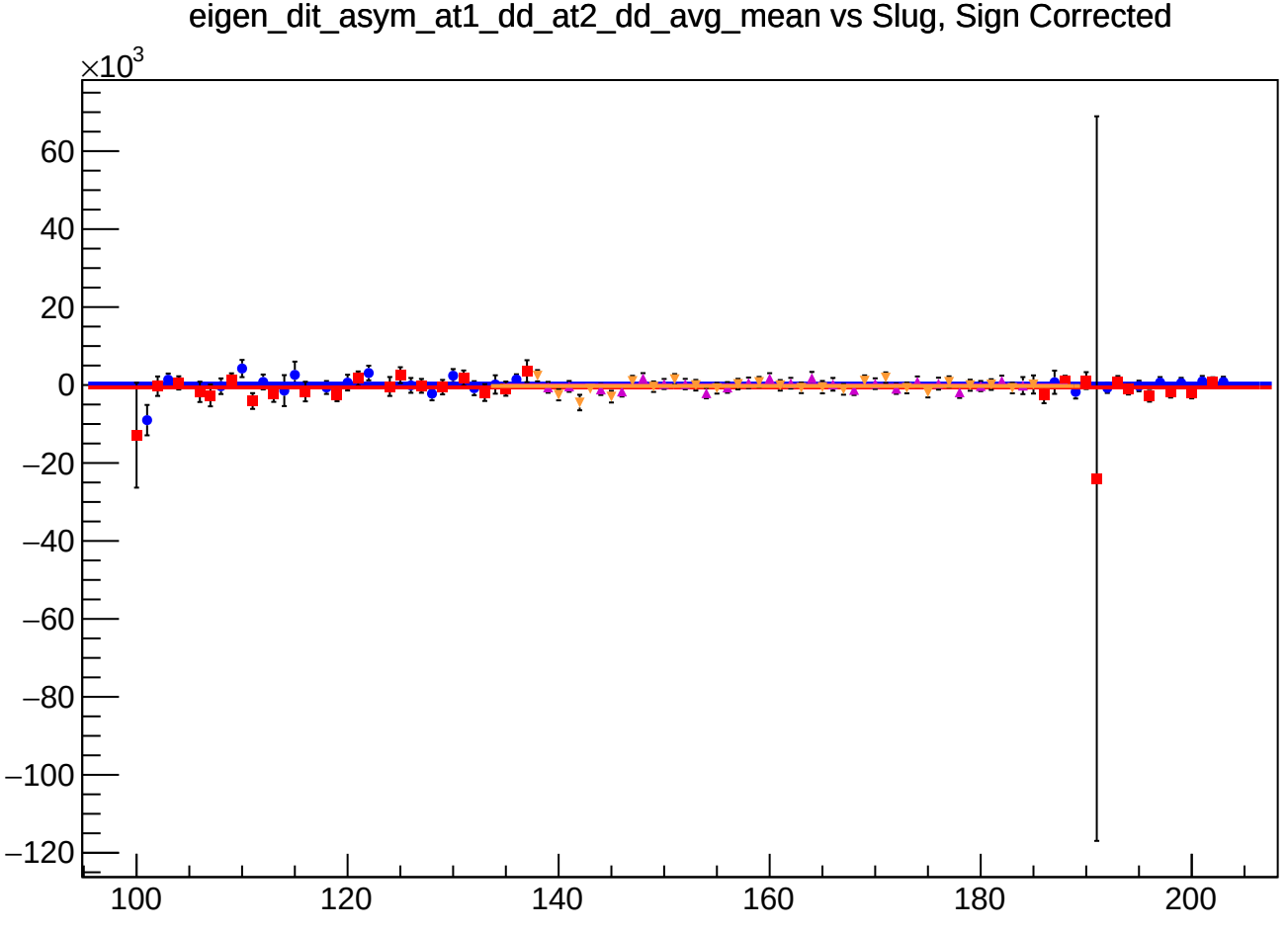
Left: 611.733+/-0.072 χ^2/NDF: 2128001.7/47

Right: 1281.039+/-0.181 χ^2/NDF: 4977077.1/52

In: 699.651+/-0.095 χ^2/NDF:8060522.2/46

Out: 705.036+/-0.094 χ^2/NDF:10880829.2/53

All: 702.368+/-0.067 χ^2/NDF: 18942987.2/10



Right In: 368.673+/-353.757 χ^2/NDF: 20.2/23

Left Out: -250.851+/-279.923 χ^2/NDF:24.0/24

Right Out: -607.819+/-341.280 χ^2/NDF: 26.5/28

Left In: -74.881+/-291.458 χ^2/NDF:14.0/22

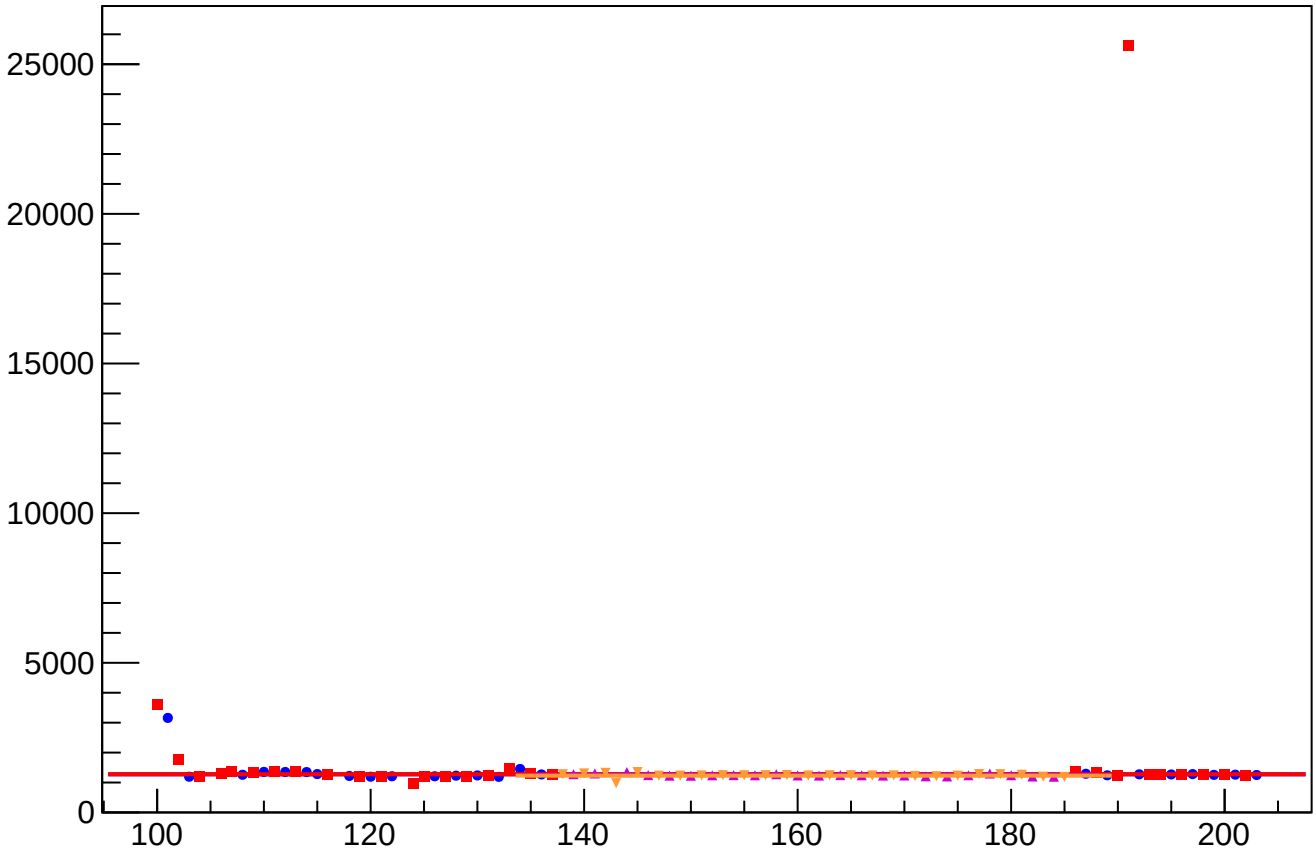
Left: -166.417+/-201.890 χ^2/NDF: 38.2/47

Right: -137.098+/-245.614 χ^2/NDF: 50.6/52

In: 104.464+/-224.945 χ^2/NDF:35.1/46

Out: -394.417+/-216.432 χ^2/NDF:51.2/53

All: -154.595+/-155.963 χ^2/NDF: 88.8/100



Right In: 1273.420+/-0.250 χ^2/NDF: 509496.5/23

Left Out: 1229.986+/-0.198 χ^2/NDF:141606.6/24

Right Out: 1277.552+/-0.241 χ^2/NDF: 369925.2/28

Left In: 1247.785+/-0.206 χ^2/NDF:27340.7/22

Left: 1238.526+/-0.143 χ^2/NDF: 172827.1/47

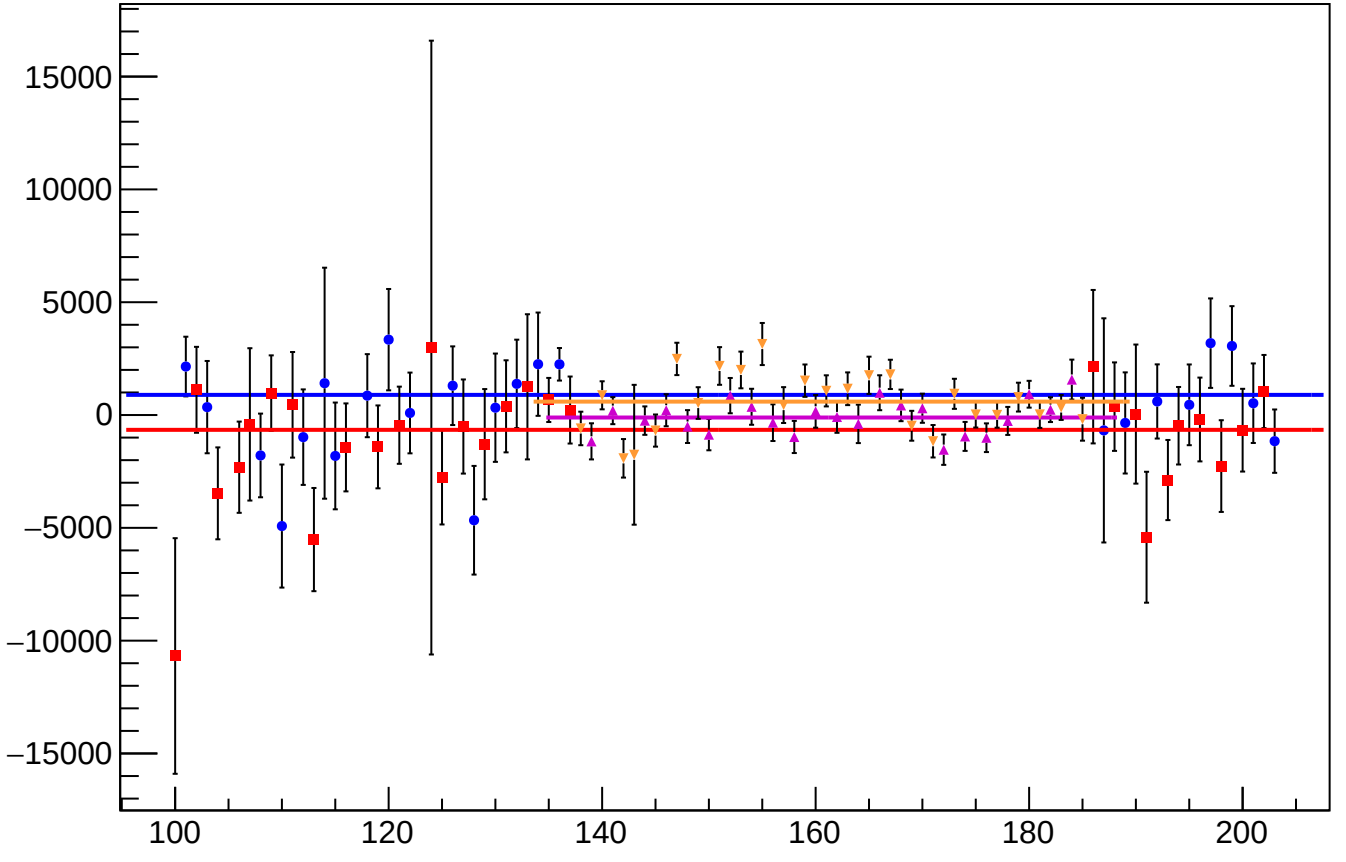
Right: 1275.560+/-0.174 χ^2/NDF: 879563.0/52

In: 1258.150+/-0.159 χ^2/NDF:543093.2/46

Out: 1249.116+/-0.153 χ^2/NDF:534757.5/53

All: 1253.459+/-0.110 χ^2/NDF: 1079525.8/10

asym_at1_dd_at2_dd_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: 893.130+/-356.751 χ^2/NDF: 26.0/23

Left Out: 595.000+/-142.130 χ^2/NDF:57.3/24

Right Out: -656.442+/-366.988 χ^2/NDF: 24.2/28

Left In: -110.251+/-144.232 χ^2/NDF:25.7/22

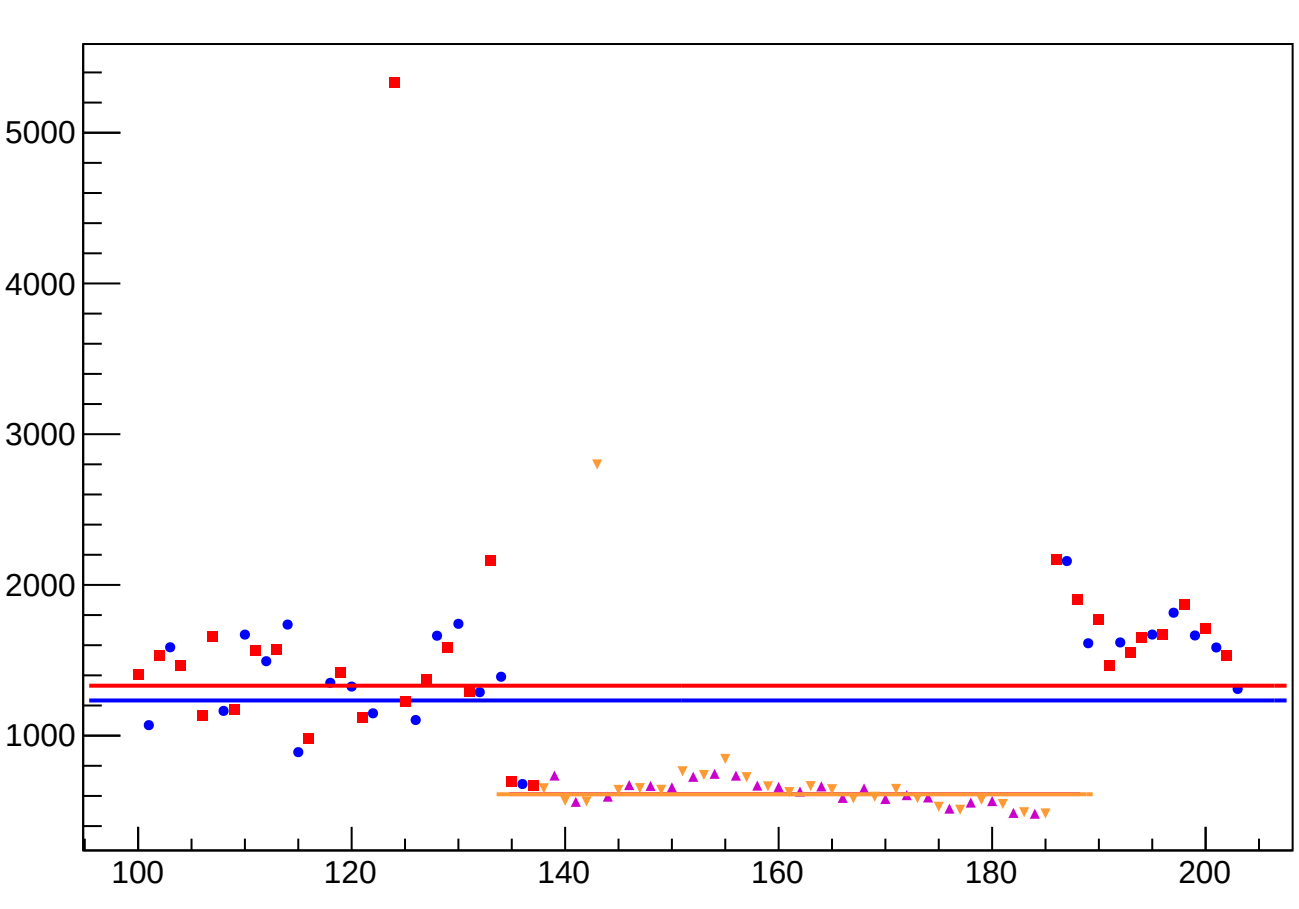
Left: 247.550+/-101.236 χ^2/NDF: 95.2/47

Right: 140.257+/-255.804 χ^2/NDF: 59.4/52

In: 30.713+/-133.717 χ^2/NDF:58.5/46

Out: 431.775+/-132.538 χ^2/NDF:91.6/53

All: 233.021+/-94.133 χ^2/NDF: 154.7/100



Right In: 1233.461+/-0.252 χ^2/NDF: 2342123.7/23

Left Out: 611.086+/-0.101 χ^2/NDF:1619319.5/24

Right Out: 1331.398+/-0.259 χ^2/NDF: 2561563.7/28

Left In: 612.398+/-0.102 χ^2/NDF:508597.7/22

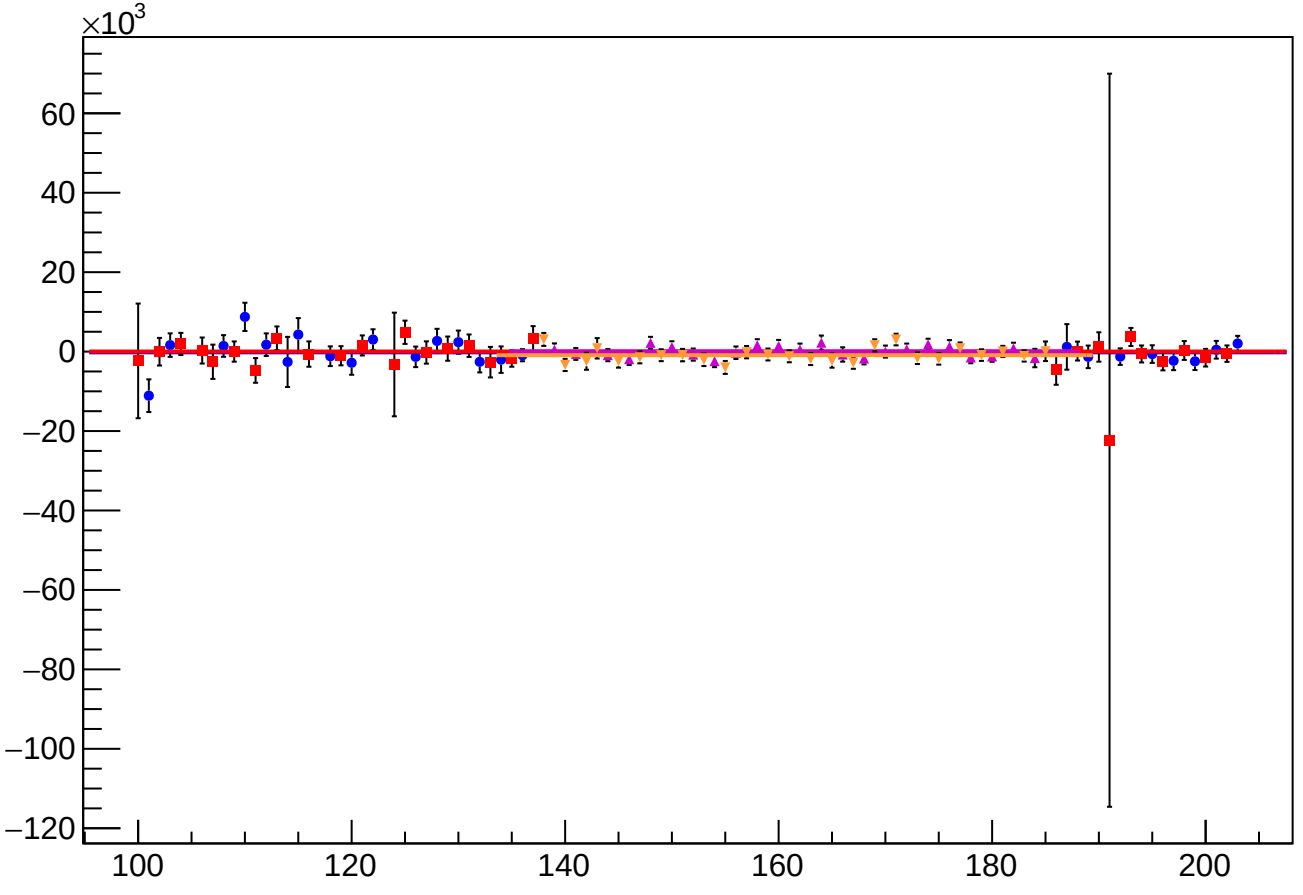
Left: 611.733+/-0.072 χ^2/NDF: 2128001.1/47

Right: 1281.044+/-0.181 χ^2/NDF: 4976918.5/52

In: 699.651+/-0.095 χ^2/NDF:8060522.9/46

Out: 705.036+/-0.094 χ^2/NDF:10880828.0/53

All: 702.367+/-0.067 χ^2/NDF: 18942987.0/10



Right In: -180.572+/-535.214 χ^2/NDF: 25.3/23

Left Out: -899.894+/-316.449 χ^2/NDF:29.8/24

Right Out: 24.195+/-528.888 χ^2/NDF: 16.4/28

Left In: 48.178+/-320.929 χ^2/NDF:17.9/22

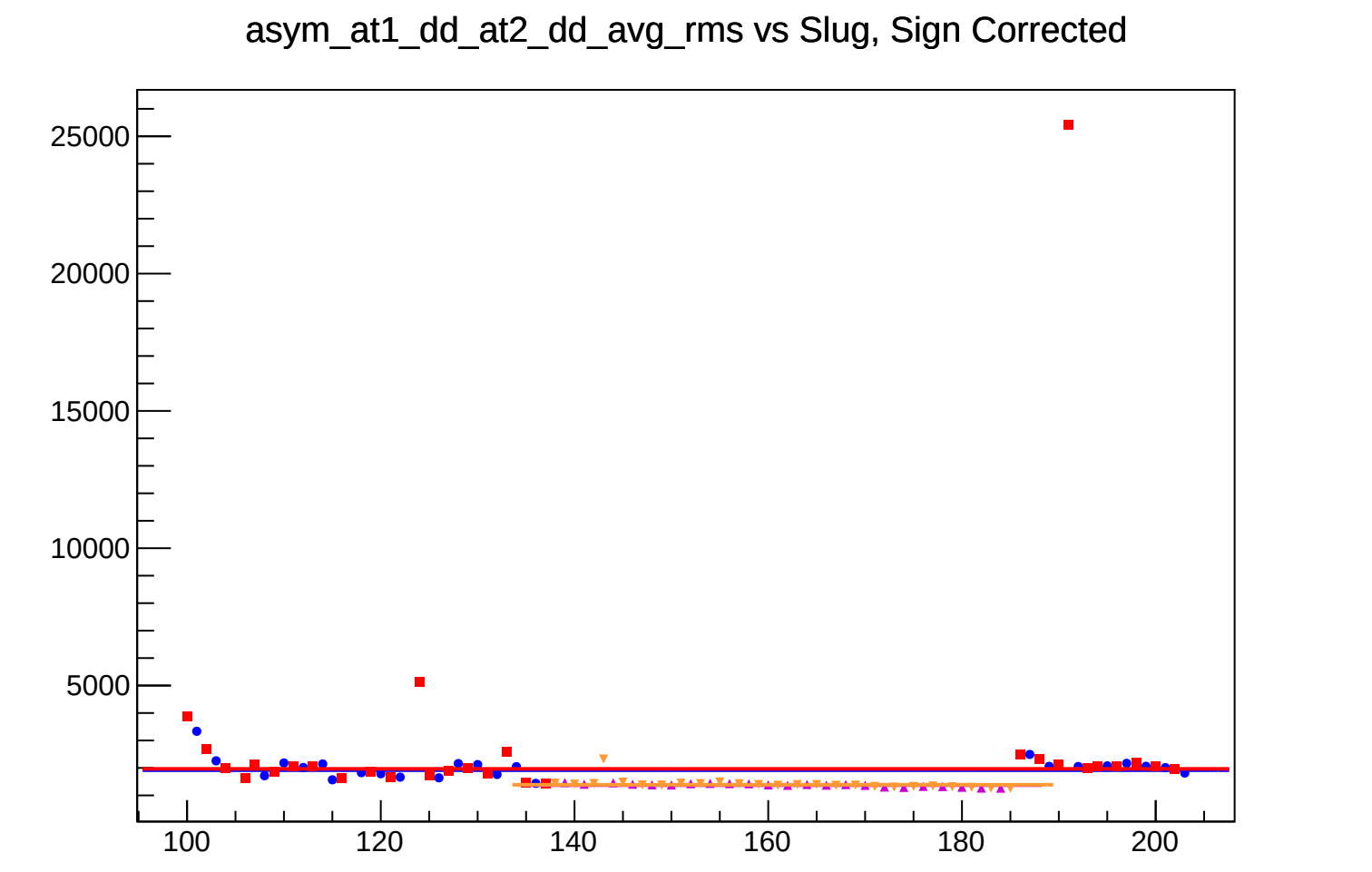
Left: -432.522+/-225.330 χ^2/NDF: 52.1/47

Right: -76.971+/-376.197 χ^2/NDF: 41.7/52

In: -12.319+/-275.239 χ^2/NDF:43.3/46

Out: -656.284+/-271.553 χ^2/NDF:48.4/53

All: -338.643+/-193.307 χ^2/NDF: 94.5/100



Right In: 1918.364+/-0.378 χ^2/NDF: 665286.0/23

Left Out: 1386.845+/-0.224 χ^2/NDF:339794.5/24

Right Out: 1966.264+/-0.374 χ^2/NDF: 814351.7/28

Left In: 1373.217+/-0.227 χ^2/NDF:64467.6/22

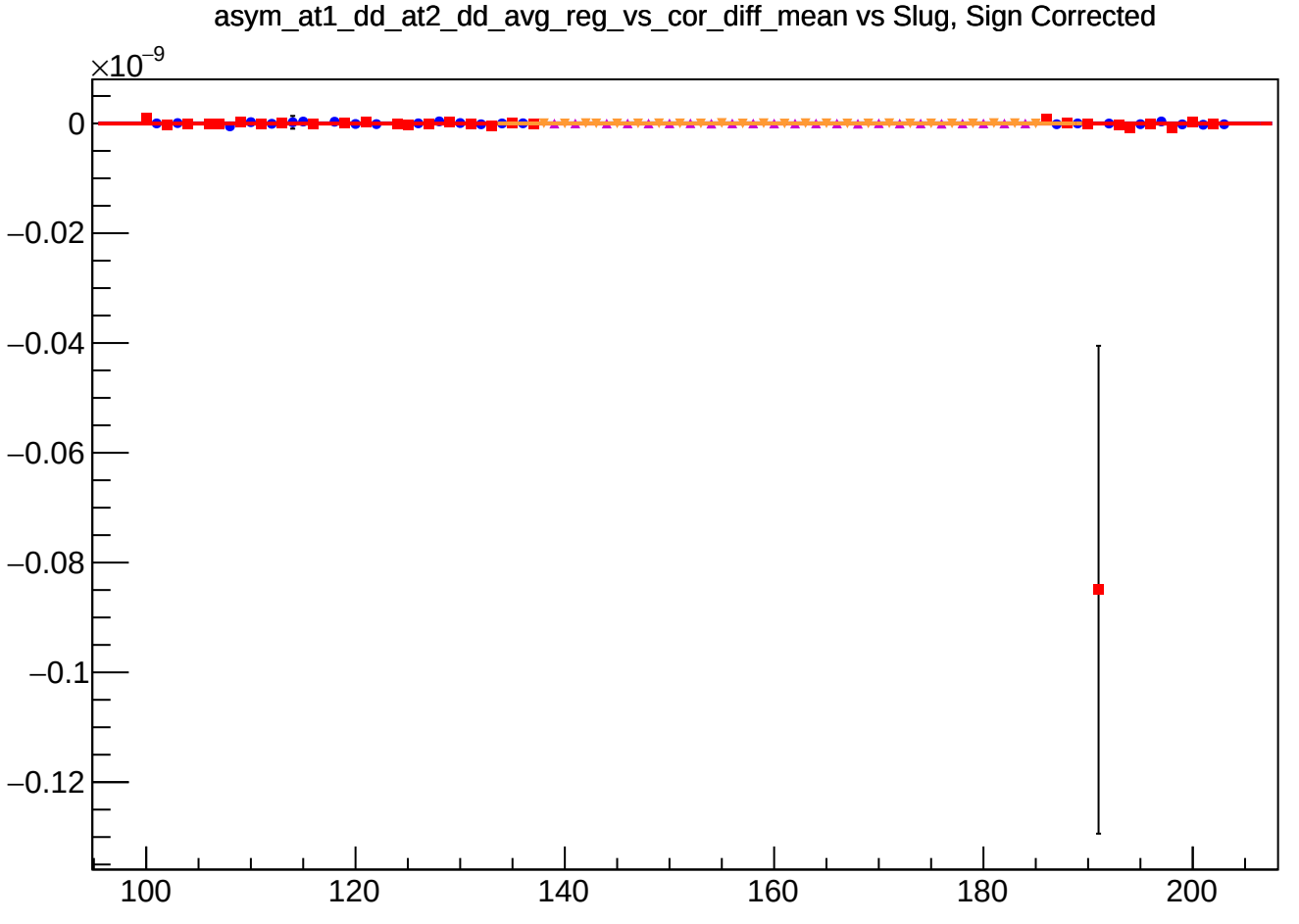
Left: 1380.126+/-0.159 χ^2/NDF: 406090.7/47

Right: 1942.599+/-0.266 χ^2/NDF: 1487742.9/52

In: 1517.389+/-0.195 χ^2/NDF:2255941.3/46

Out: 1539.594+/-0.192 χ^2/NDF:2921792.0/53

All: 1528.641+/-0.137 χ^2/NDF: 5184329.7/10



Right In: 0.000+/-0.000 χ^2/NDF: 21.6/23

Left Out: 0.000+/-0.000 χ^2/NDF:24.8/24

Right Out: -0.000+/-0.000 χ^2/NDF: 43.3/28

Left In: 0.000+/-0.000 χ^2/NDF:13.5/22

Left: 0.000+/-0.000 χ^2/NDF: 38.4/47

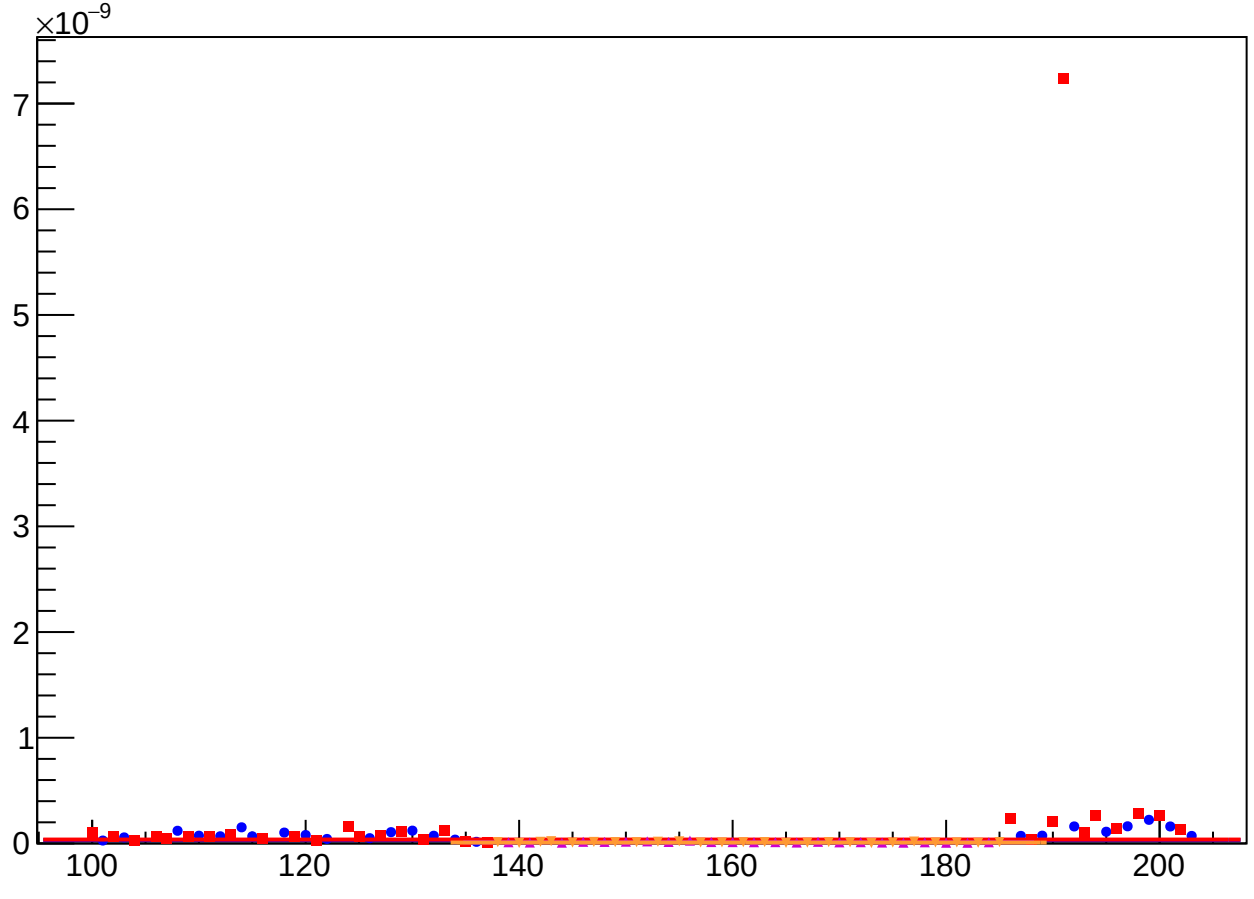
Right: -0.000+/-0.000 χ^2/NDF: 66.7/52

In: 0.000+/-0.000 χ^2/NDF:35.5/46

Out: 0.000+/-0.000 χ^2/NDF:69.7/53

All: 0.000+/-0.000 χ^2/NDF: 105.2/100

asym_at1_dd_at2_dd_avg_reg_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 5396697.2/23

Left Out: 0.000+/-0.000 χ^2/NDF:2148494.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 5945768.5/28

Left In: 0.000+/-0.000 χ^2/NDF:1232395.4/22

Left: 0.000+/-0.000 χ^2/NDF: 3597627.7/47

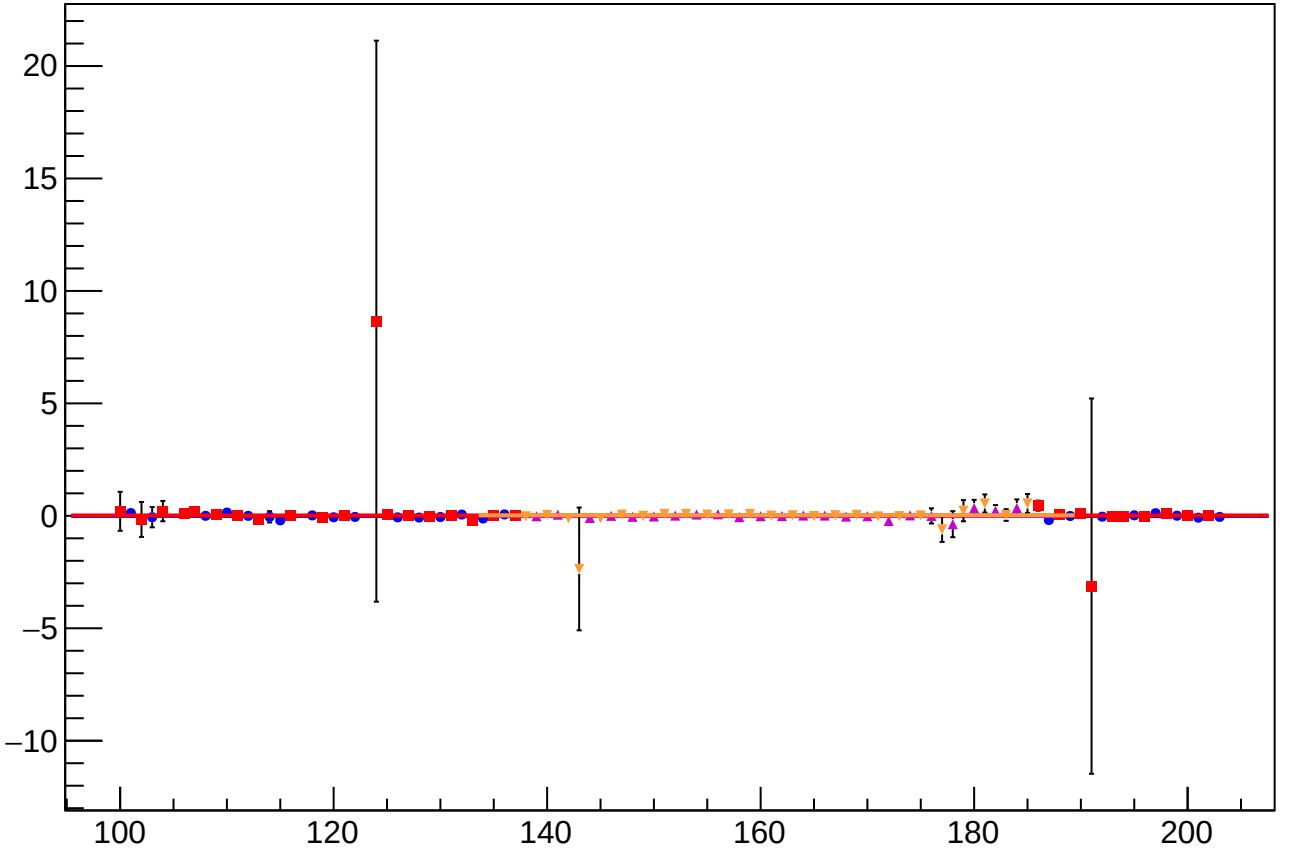
Right: 0.000+/-0.000 χ^2/NDF: 11420227.4/52

In: 0.000+/-0.000 χ^2/NDF:9084023.8/46

Out: 0.000+/-0.000 χ^2/NDF:11634618.0/53

All: 0.000+/-0.000 χ^2/NDF: 21002004.1/100

asym_at1_dd_at2_dd_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.006+/-0.012 χ^2/NDF: 27.9/23

Left Out: 0.023+/-0.010 χ^2/NDF:22.8/24

Right Out: 0.016+/-0.013 χ^2/NDF: 21.5/28

Left In: -0.010+/-0.010 χ^2/NDF:14.8/22

Left: 0.006+/-0.007 χ^2/NDF: 43.0/47

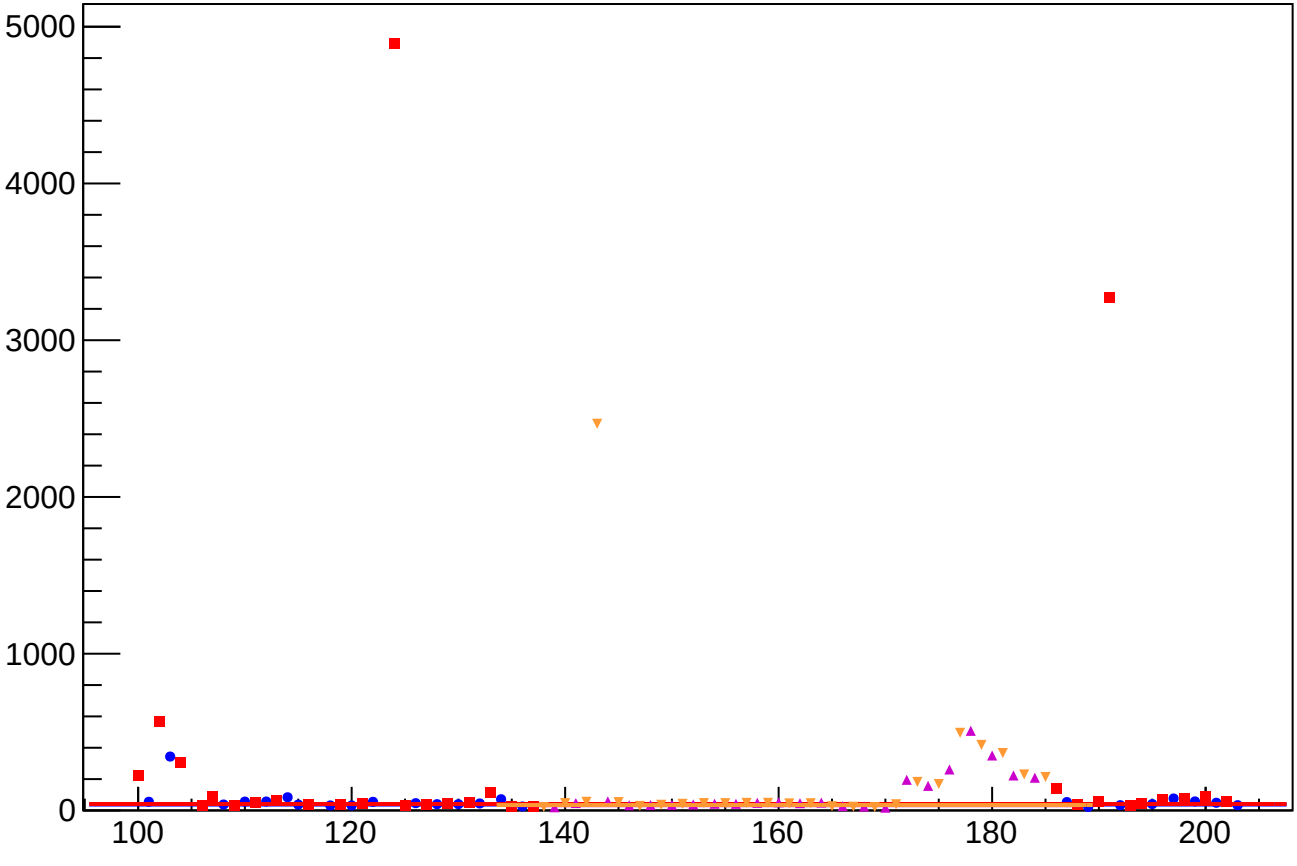
Right: 0.004+/-0.009 χ^2/NDF: 50.9/52

In: -0.008+/-0.008 χ^2/NDF:42.8/46

Out: 0.021+/-0.008 χ^2/NDF:44.5/53

All: 0.006+/-0.006 χ^2/NDF: 93.9/100

asym_at1_dd_at2_dd_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 37.724+/-0.008 χ^2/NDF: 2984504.0/23

Left Out: 34.624+/-0.007 χ^2/NDF:11402451.4/24

Right Out: 41.140+/-0.009 χ^2/NDF: 5373098.8/28

Left In: 33.592+/-0.007 χ^2/NDF:10067466.4/22

Left: 34.094+/-0.005 χ^2/NDF: 21480396.5/47

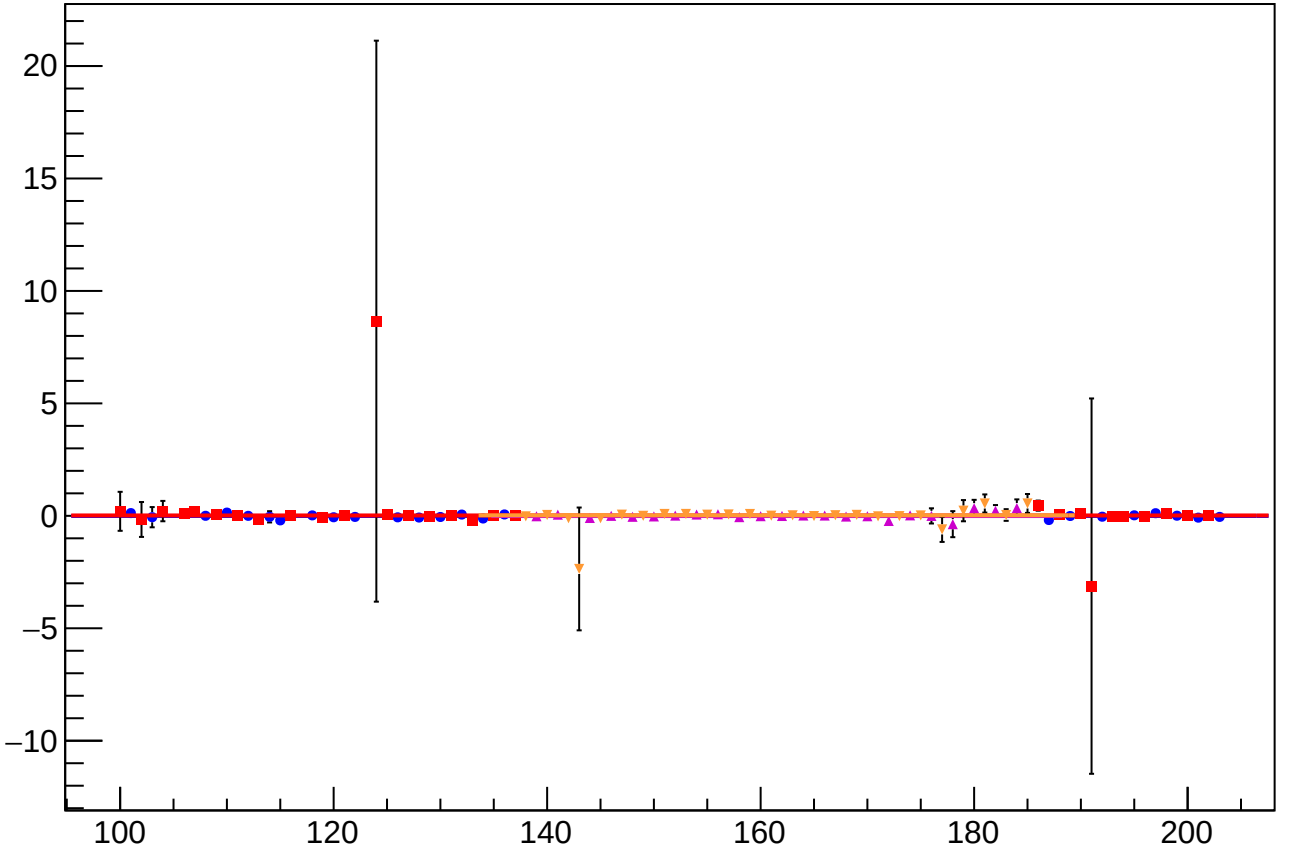
Right: 39.292+/-0.006 χ^2/NDF: 8432315.8/52

In: 35.277+/-0.005 χ^2/NDF:13192874.6/46

Out: 37.108+/-0.006 χ^2/NDF:17086472.3/53

All: 36.148+/-0.004 χ^2/NDF: 30333872.2/100

asym_at1_dd_at2_dd_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.006+/-0.012 χ^2/NDF: 27.9/23

Left Out: 0.023+/-0.010 χ^2/NDF:22.8/24

Right Out: 0.016+/-0.013 χ^2/NDF: 21.5/28

Left In: -0.010+/-0.010 χ^2/NDF:14.8/22

Left: 0.006+/-0.007 χ^2/NDF: 43.0/47

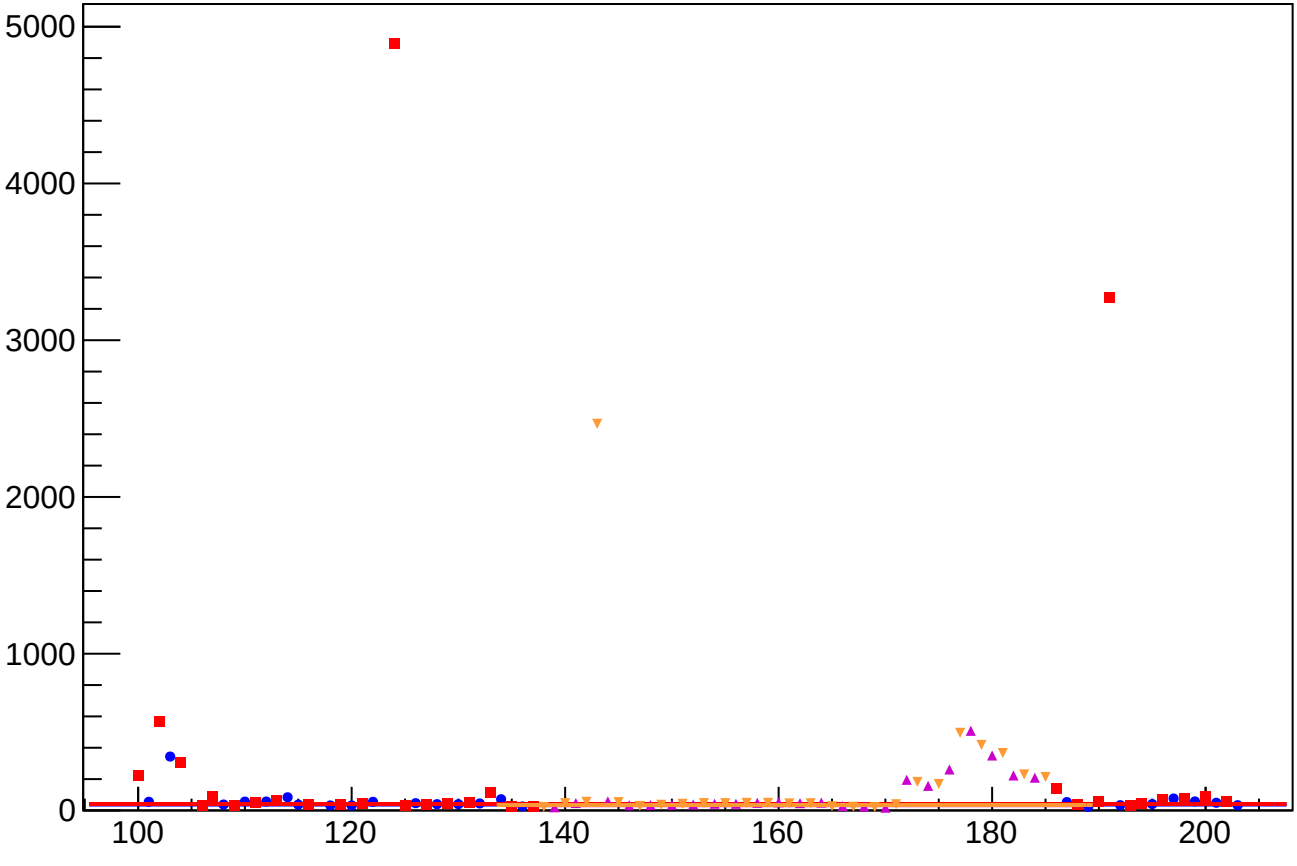
Right: 0.004+/-0.009 χ^2/NDF: 50.9/52

In: -0.008+/-0.008 χ^2/NDF:42.8/46

Out: 0.021+/-0.008 χ^2/NDF:44.5/53

All: 0.006+/-0.006 χ^2/NDF: 93.9/100

asym_at1_dd_at2_dd_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 37.724+/-0.008 χ^2/NDF: 2984504.0/23

Left Out: 34.624+/-0.007 χ^2/NDF:11402451.4/24

Right Out: 41.140+/-0.009 χ^2/NDF: 5373098.8/28

Left In: 33.592+/-0.007 χ^2/NDF:10067466.4/22

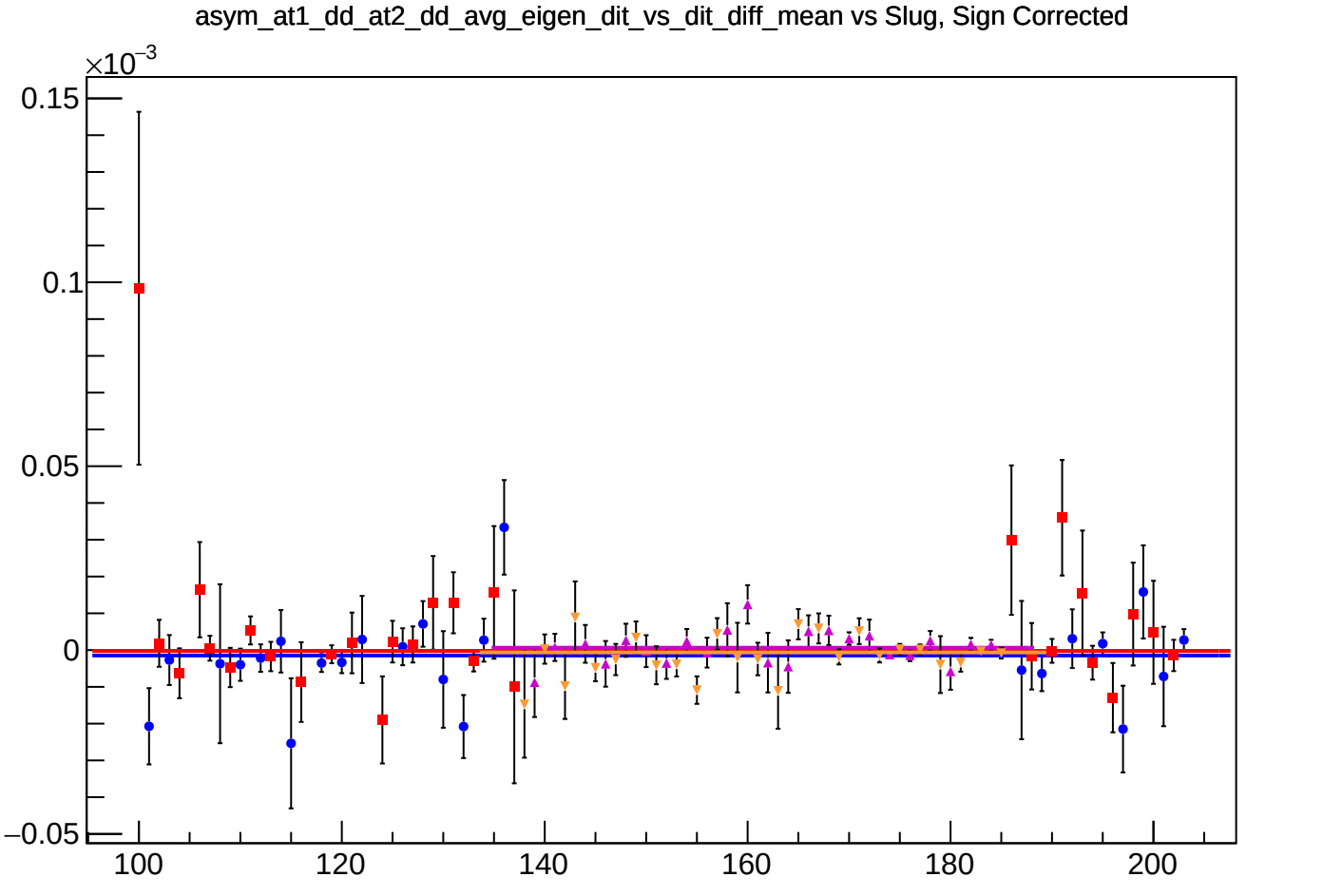
Left: 34.094+/-0.005 χ^2/NDF: 21480396.5/47

Right: 39.292+/-0.006 χ^2/NDF: 8432315.8/52

In: 35.277+/-0.005 χ^2/NDF:13192874.6/46

Out: 37.108+/-0.006 χ^2/NDF:17086472.3/53

All: 36.148+/-0.004 χ^2/NDF: 30333872.2/100



Right In: -0.000+/-0.000 χ^2/NDF: 32.0/23

Left Out: -0.000+/-0.000 χ^2/NDF:28.4/24

Right Out: -0.000+/-0.000 χ^2/NDF: 30.3/28

Left In: 0.000+/-0.000 χ^2/NDF:21.9/22

Left: -0.000+/-0.000 χ^2/NDF: 53.2/47

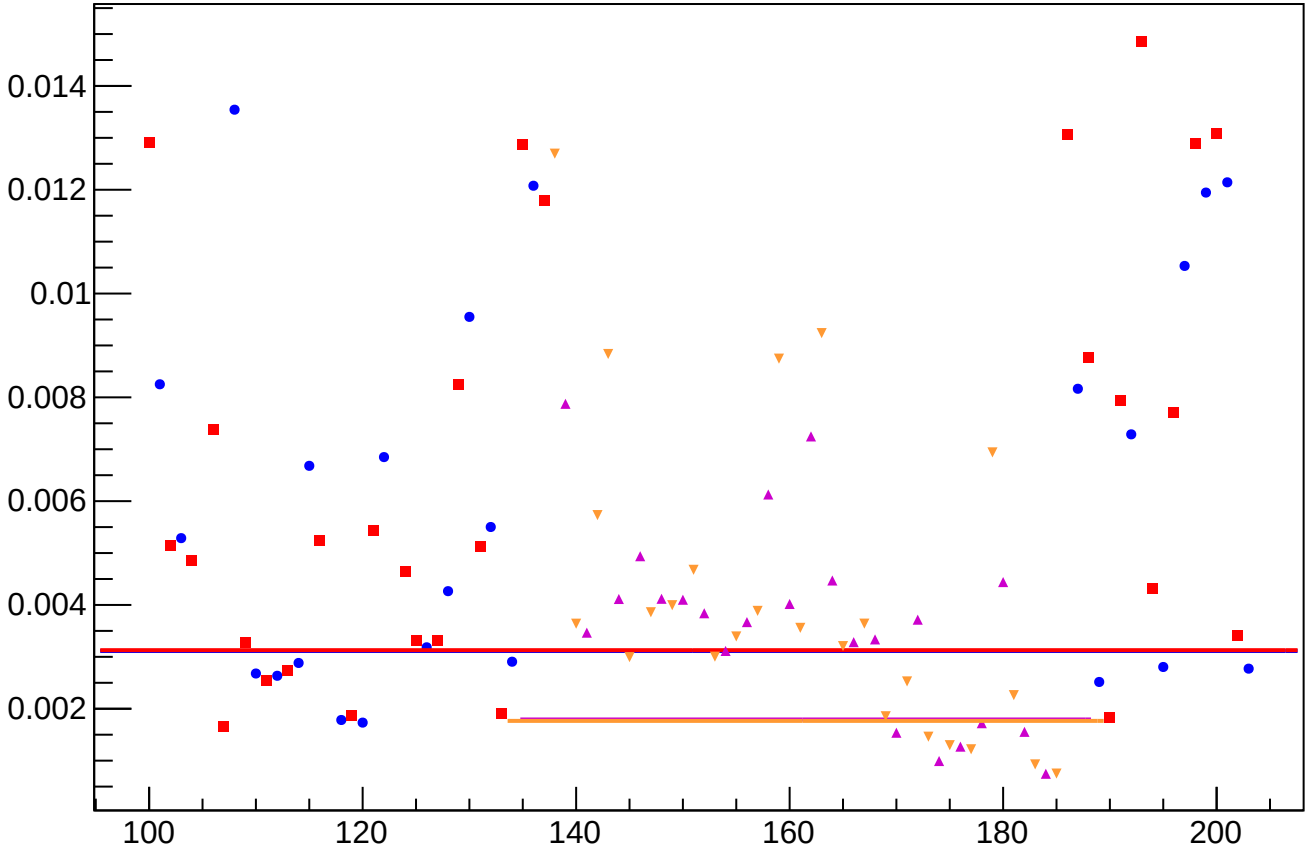
Right: -0.000+/-0.000 χ^2/NDF: 63.0/52

In: 0.000+/-0.000 χ^2/NDF:57.0/46

Out: -0.000+/-0.000 χ^2/NDF:58.8/53

All: -0.000+/-0.000 χ^2/NDF: 117.1/100

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: 7645539.3/23

Left Out: 0.002+/-0.000 χ^2/NDF:12926339.2/24

Right Out: 0.003+/-0.000 χ^2/NDF: 8809245.7/28

Left In: 0.002+/-0.000 χ^2/NDF:10766932.4/22

Left: 0.002+/-0.000 χ^2/NDF: 23695843.2/47

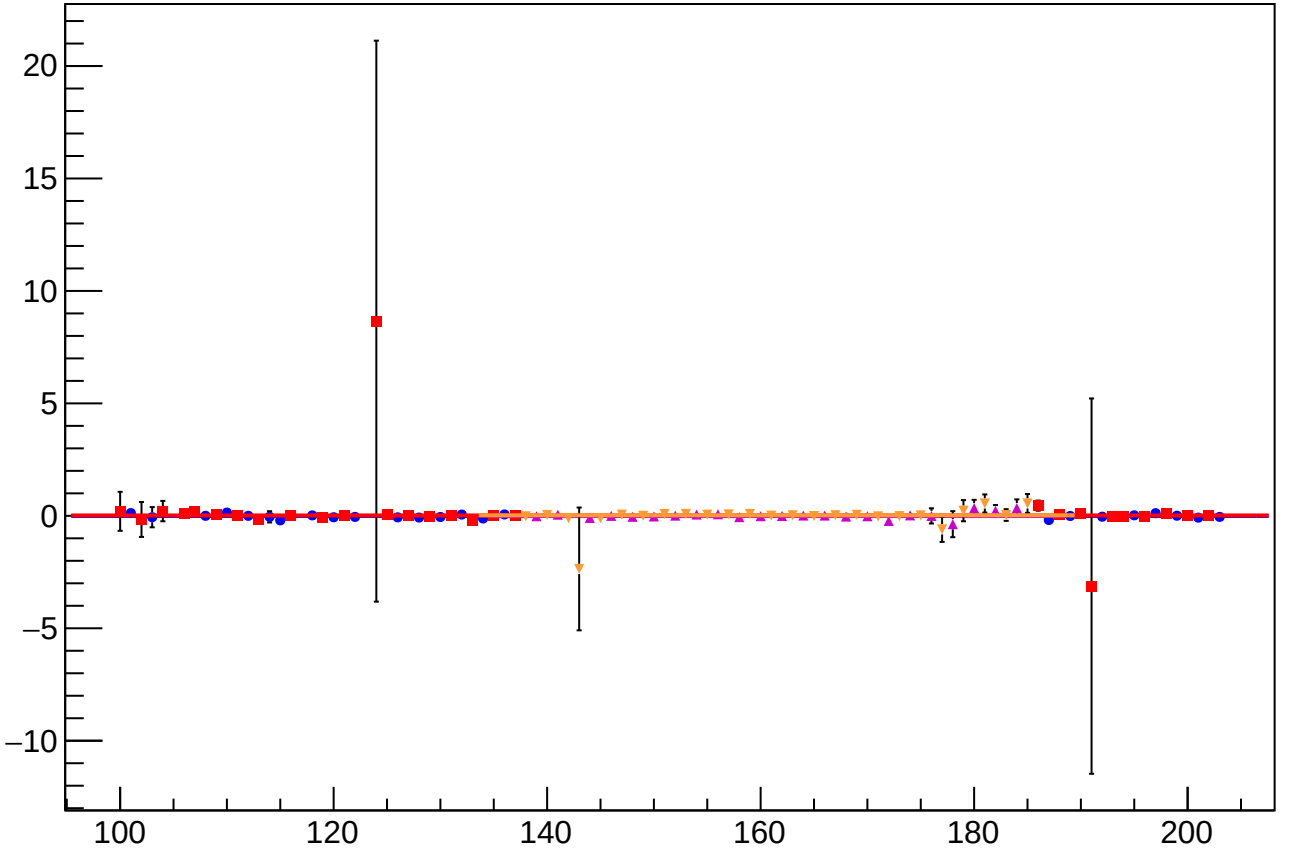
Right: 0.003+/-0.000 χ^2/NDF: 16455023.0/52

In: 0.002+/-0.000 χ^2/NDF:20861511.8/46

Out: 0.002+/-0.000 χ^2/NDF:24598258.5/53

All: 0.002+/-0.000 χ^2/NDF: 45462939.3/100

asym_at1_dd_at2_dd_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.006+/-0.012 χ^2/NDF: 27.9/23

Left Out: 0.023+/-0.010 χ^2/NDF:22.8/24

Right Out: 0.016+/-0.013 χ^2/NDF: 21.5/28

Left In: -0.010+/-0.010 χ^2/NDF:14.8/22

Left: 0.006+/-0.007 χ^2/NDF: 43.0/47

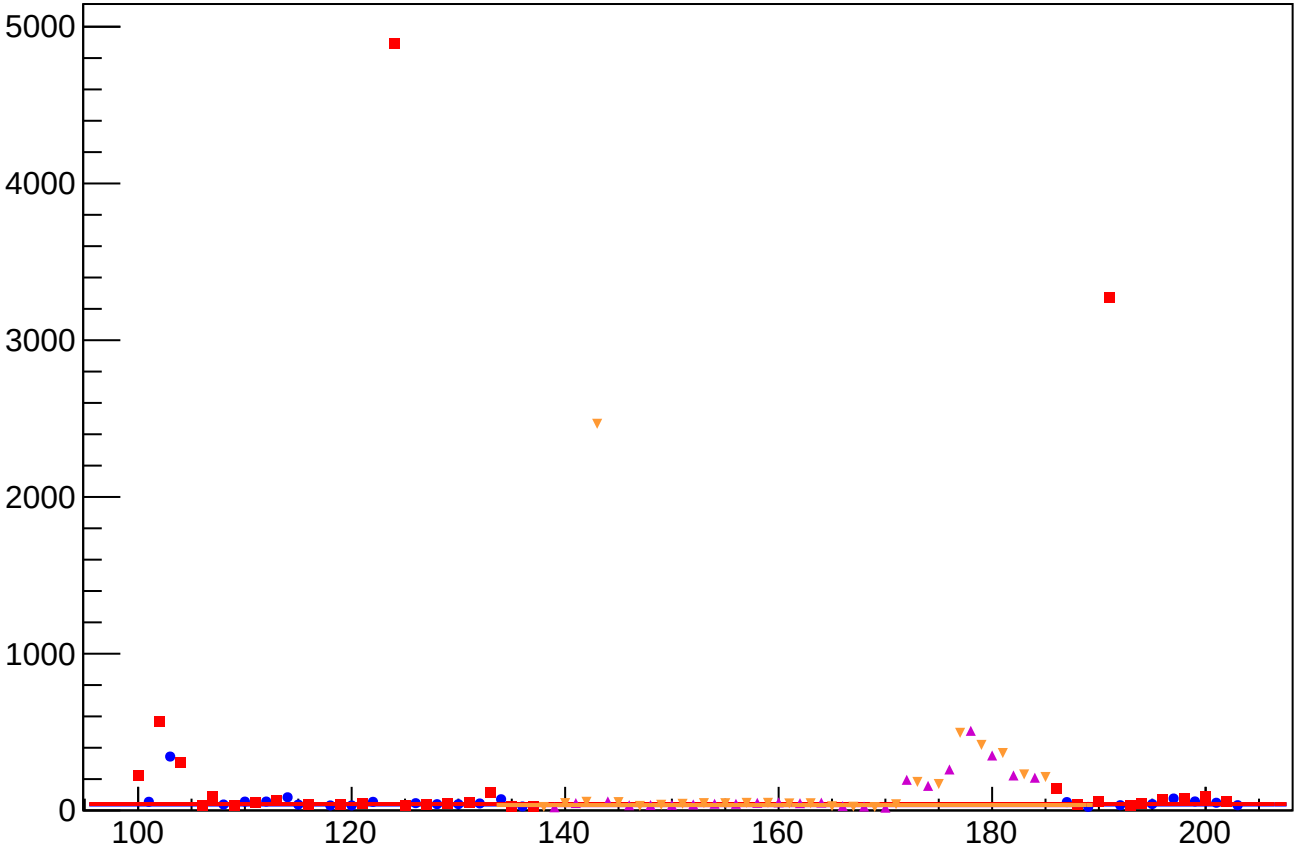
Right: 0.004+/-0.009 χ^2/NDF: 50.9/52

In: -0.008+/-0.008 χ^2/NDF:42.8/46

Out: 0.021+/-0.008 χ^2/NDF:44.5/53

All: 0.006+/-0.006 χ^2/NDF: 93.9/100

asym_at1_dd_at2_dd_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 37.725+/-0.008 χ^2/NDF: 2983710.2/23

Left Out: 34.623+/-0.007 χ^2/NDF:11402566.2/24

Right Out: 41.141+/-0.009 χ^2/NDF: 5372896.5/28

Left In: 33.595+/-0.007 χ^2/NDF:10066196.6/22

Left: 34.095+/-0.005 χ^2/NDF: 21479175.2/47

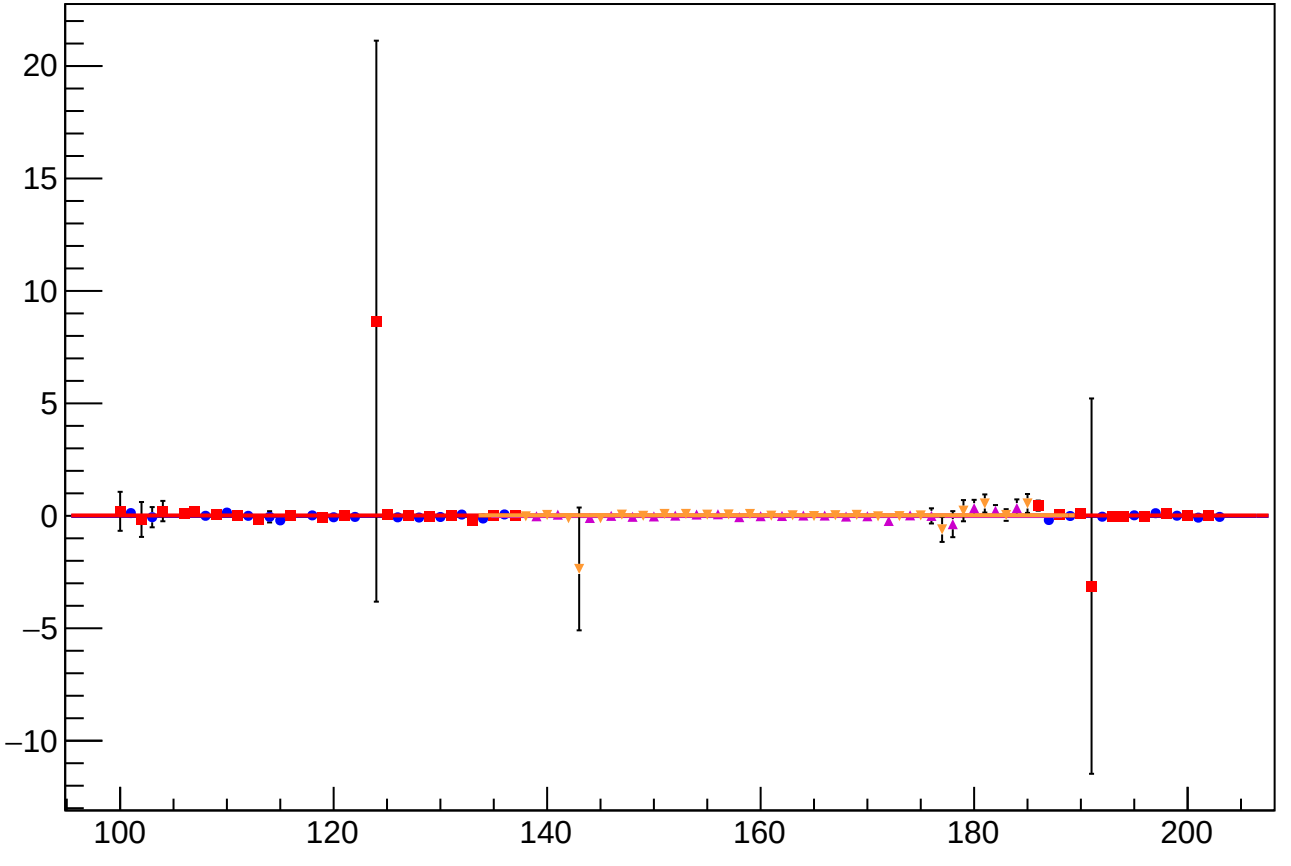
Right: 39.293+/-0.006 χ^2/NDF: 8431271.6/52

In: 35.279+/-0.005 χ^2/NDF:13190762.2/46

Out: 37.107+/-0.006 χ^2/NDF:17086538.5/53

All: 36.149+/-0.004 χ^2/NDF: 30331676.3/100

asym_at1_dd_at2_dd_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.006+/-0.012 χ^2/NDF: 27.9/23

Left Out: 0.023+/-0.010 χ^2/NDF:22.8/24

Right Out: 0.016+/-0.013 χ^2/NDF: 21.5/28

Left In: -0.010+/-0.010 χ^2/NDF:14.8/22

Left: 0.006+/-0.007 χ^2/NDF: 43.0/47

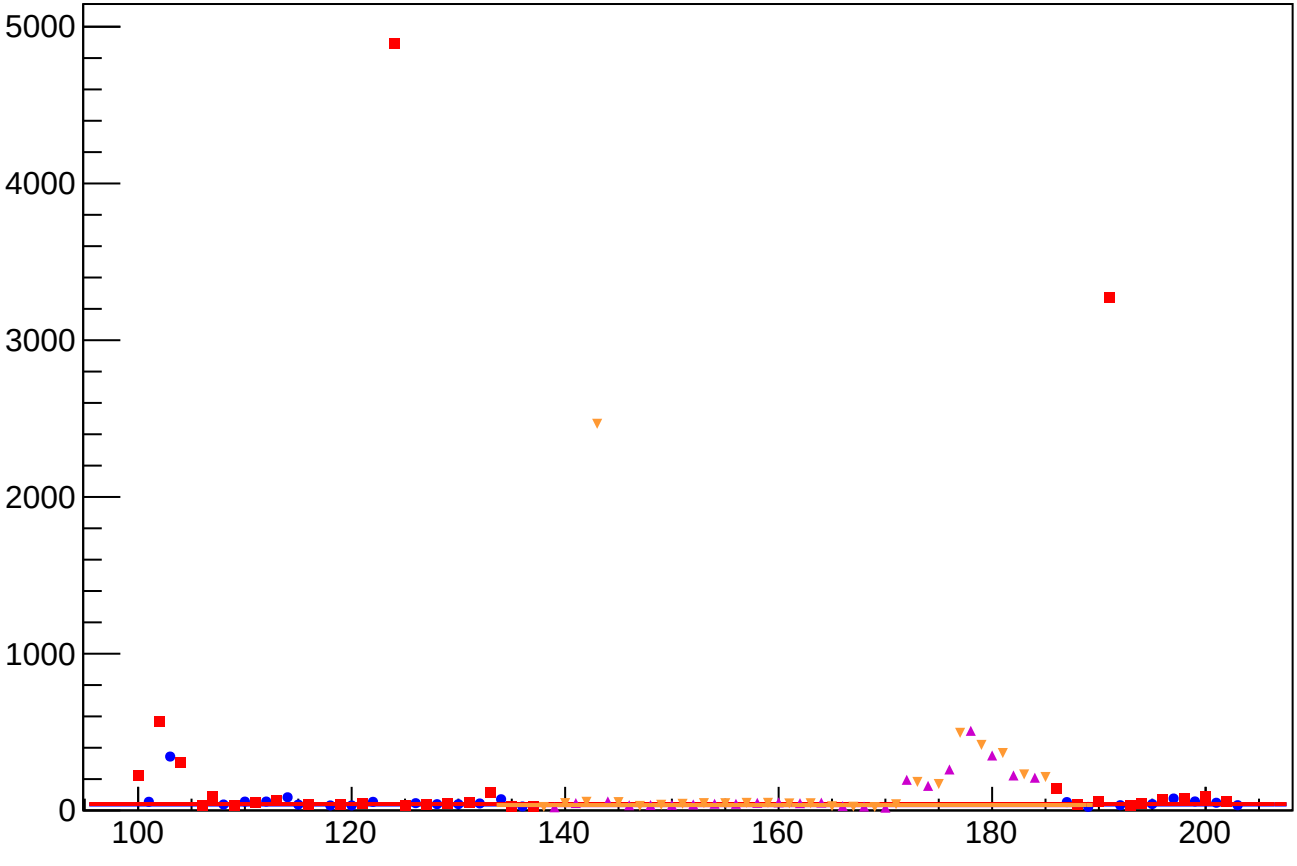
Right: 0.004+/-0.009 χ^2/NDF: 50.9/52

In: -0.008+/-0.008 χ^2/NDF:42.8/46

Out: 0.021+/-0.008 χ^2/NDF:44.5/53

All: 0.006+/-0.006 χ^2/NDF: 93.9/100

asym_at1_dd_at2_dd_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 37.725+/-0.008 χ^2/NDF: 2983710.2/23

Left Out: 34.623+/-0.007 χ^2/NDF:11402566.2/24

Right Out: 41.141+/-0.009 χ^2/NDF: 5372896.5/28

Left In: 33.595+/-0.007 χ^2/NDF:10066196.6/22

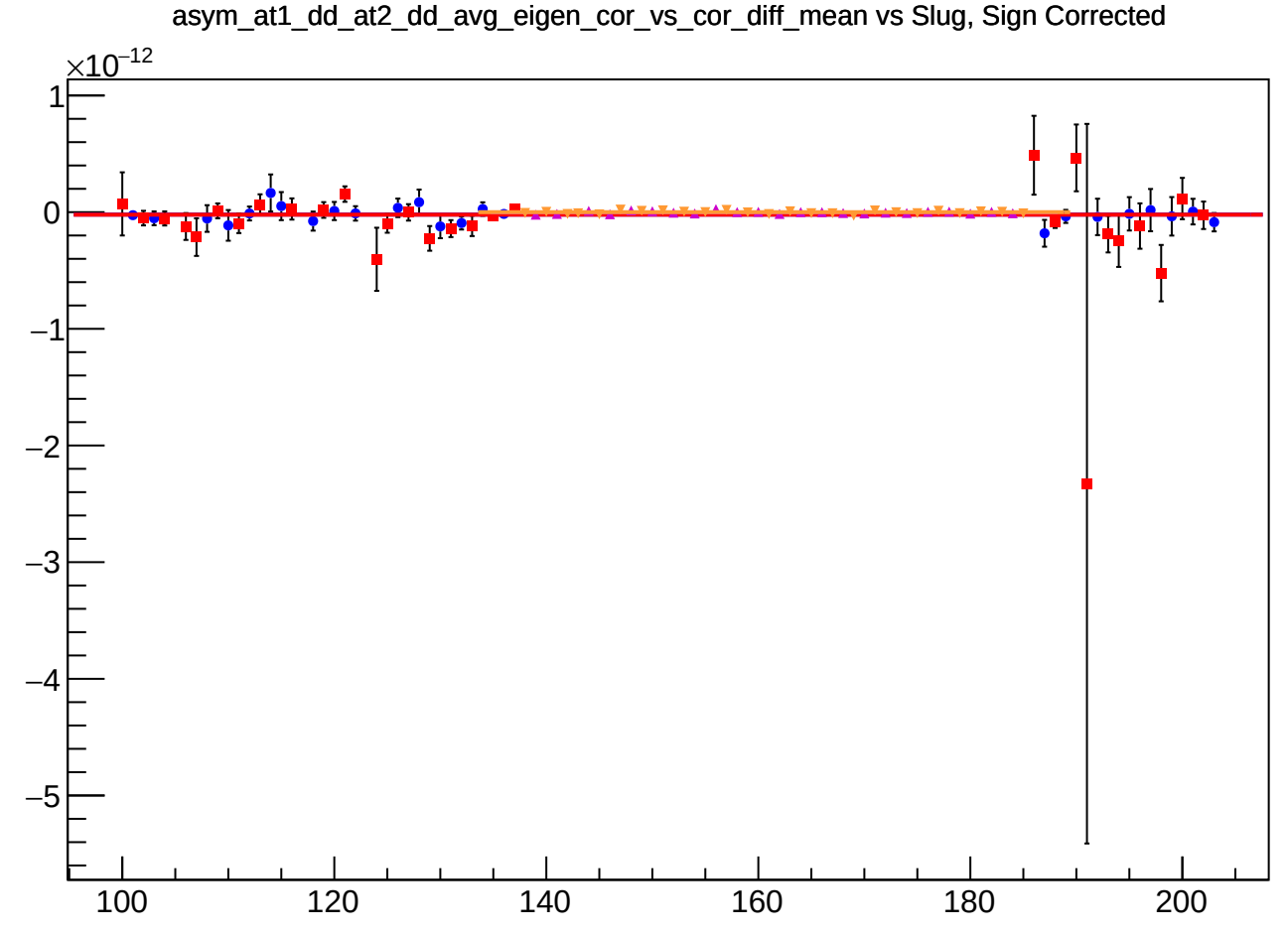
Left: 34.095+/-0.005 χ^2/NDF: 21479175.2/47

Right: 39.293+/-0.006 χ^2/NDF: 8431271.6/52

In: 35.279+/-0.005 χ^2/NDF:13190762.2/46

Out: 37.107+/-0.006 χ^2/NDF:17086538.5/53

All: 36.149+/-0.004 χ^2/NDF: 30331676.3/100



Right In: -0.000+/-0.000 χ^2/NDF: 11.2/23

Left Out: -0.000+/-0.000 χ^2/NDF:26.0/24

Right Out: -0.000+/-0.000 χ^2/NDF: 42.0/28

Left In: -0.000+/-0.000 χ^2/NDF:20.0/22

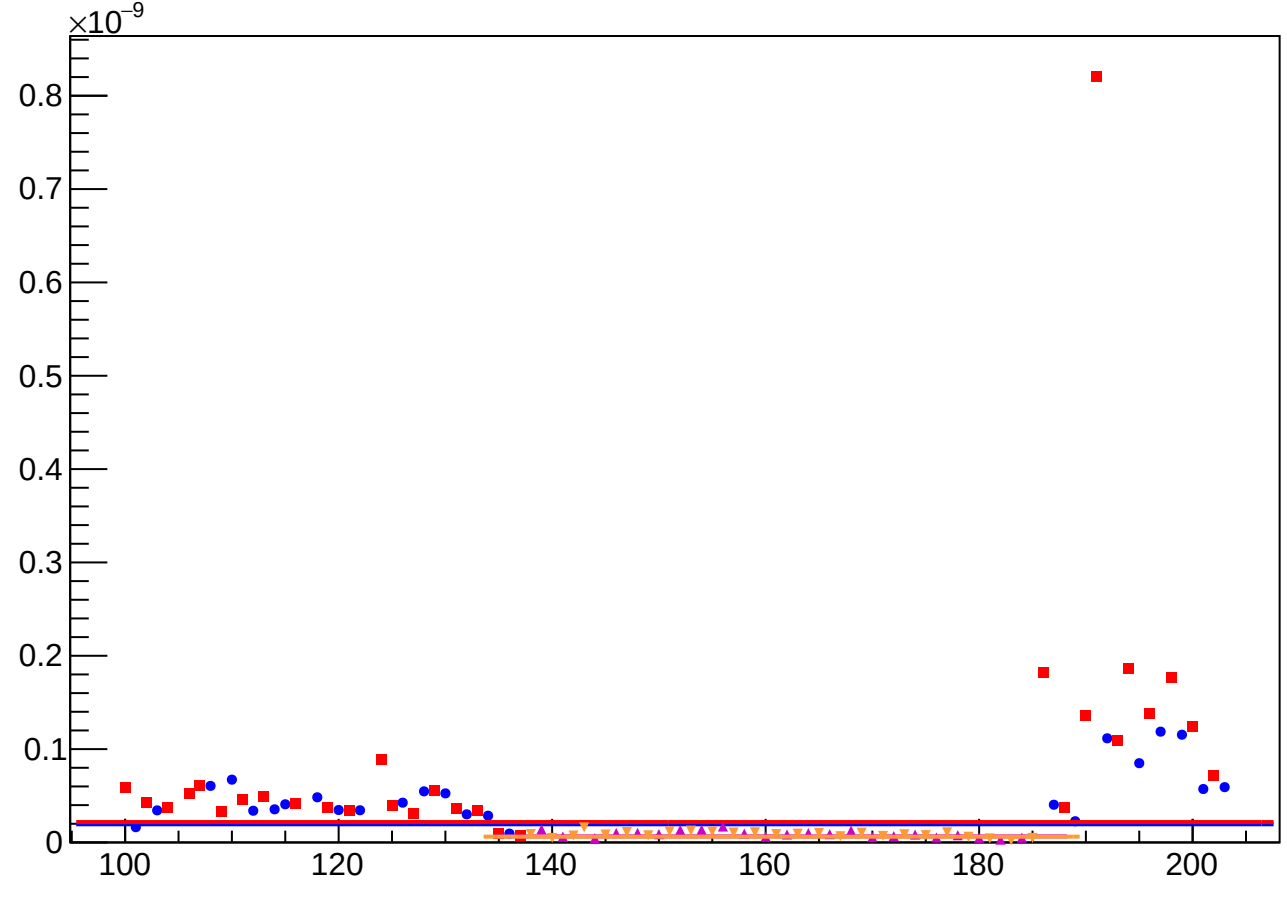
Left: -0.000+/-0.000 χ^2/NDF: 46.4/47

Right: -0.000+/-0.000 χ^2/NDF: 53.2/52

In: -0.000+/-0.000 χ^2/NDF:34.8/46

Out: -0.000+/-0.000 χ^2/NDF:72.0/53

All: -0.000+/-0.000 χ^2/NDF: 107.3/100



Right In: 0.000+/-0.000 χ^2/NDF: 6551772.6/23

Left Out: 0.000+/-0.000 χ^2/NDF:5077918.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 9233361.7/28

Left In: 0.000+/-0.000 χ^2/NDF:3998320.2/22

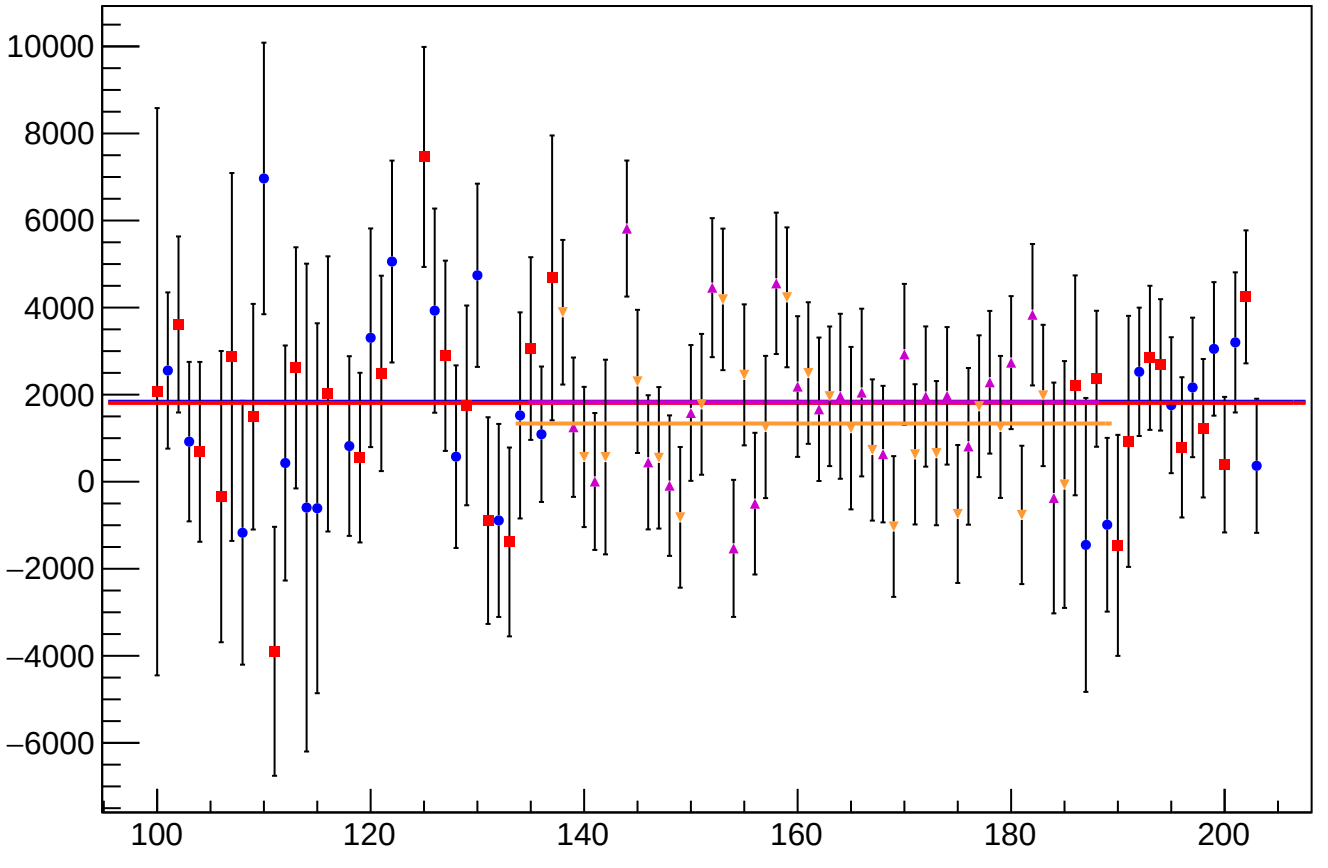
Left: 0.000+/-0.000 χ^2/NDF: 9096603.9/47

Right: 0.000+/-0.000 χ^2/NDF: 15842452.5/52

In: 0.000+/-0.000 χ^2/NDF:14077566.3/46

Out: 0.000+/-0.000 χ^2/NDF:18501430.0/53

All: 0.000+/-0.000 χ^2/NDF: 32609552.0/100



Right In: 1837.387+/-412.237 χ^2/NDF: 17.7/23

Left Out: 1337.008+/-341.012 χ^2/NDF:19.2/23

Right Out: 1810.601+/-403.403 χ^2/NDF: 22.5/27

Left In: 1826.599+/-343.483 χ^2/NDF:26.5/22

Left: 1580.036+/-242.001 χ^2/NDF: 46.7/46

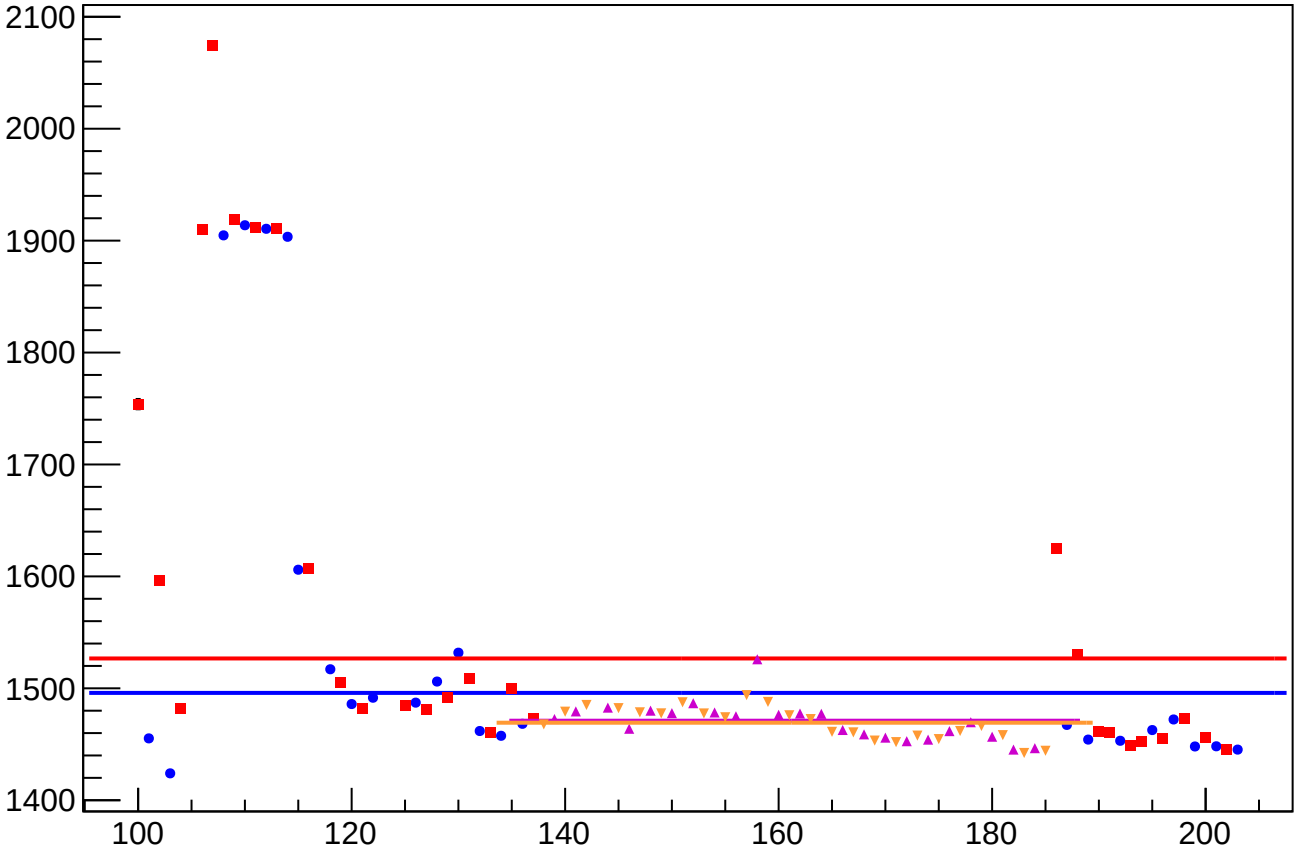
Right: 1823.704+/-288.322 χ^2/NDF: 40.2/51

In: 1831.019+/-263.886 χ^2/NDF:44.2/46

Out: 1534.389+/-260.429 χ^2/NDF:42.5/51

All: 1680.748+/-185.361 χ^2/NDF: 87.4/98

reg_asym_usl_atl1_avg_rms vs Slug, Sign Corrected



Right In: 1495.907+/-0.291 χ^2/NDF: 147939.0/23

Left Out: 1469.267+/-0.241 χ^2/NDF:3155.3/23

Right Out: 1526.672+/-0.285 χ^2/NDF: 223900.7/27

Left In: 1471.054+/-0.243 χ^2/NDF:4642.4/22

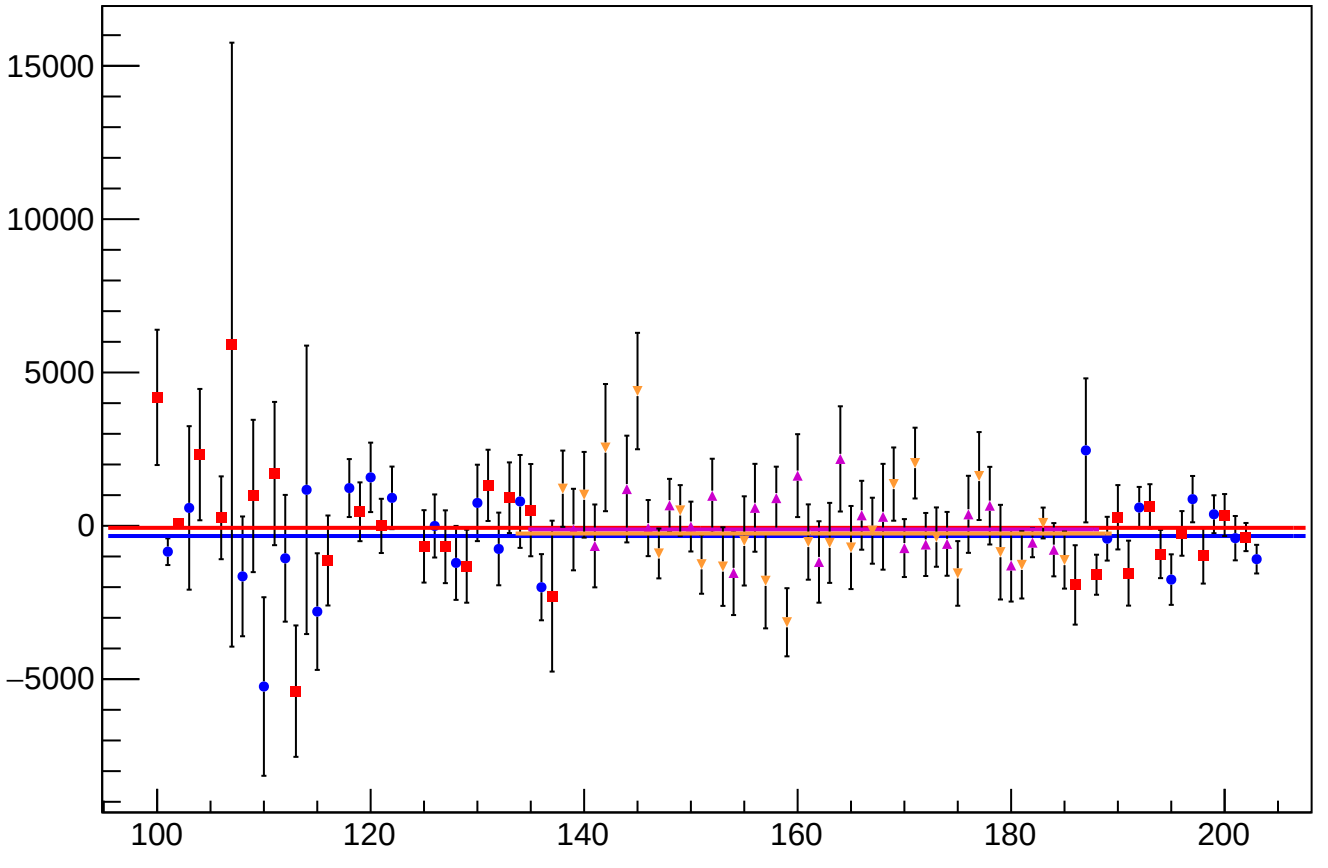
Left: 1470.154+/-0.171 χ^2/NDF: 7825.0/46

Right: 1511.623+/-0.204 χ^2/NDF: 377530.0/51

In: 1481.238+/-0.187 χ^2/NDF:156872.2/46

Out: 1493.192+/-0.184 χ^2/NDF:250677.2/51

All: 1487.294+/-0.131 χ^2/NDF: 409628.5/98



Right In: -332.757+/-181.997 χ^2/NDF: 31.0/23

Left Out: -251.610+/-218.369 χ^2/NDF:32.7/23

Right Out: -66.011+/-112.090 χ^2/NDF: 32.4/27

Left In: -119.802+/-215.975 χ^2/NDF:12.8/22

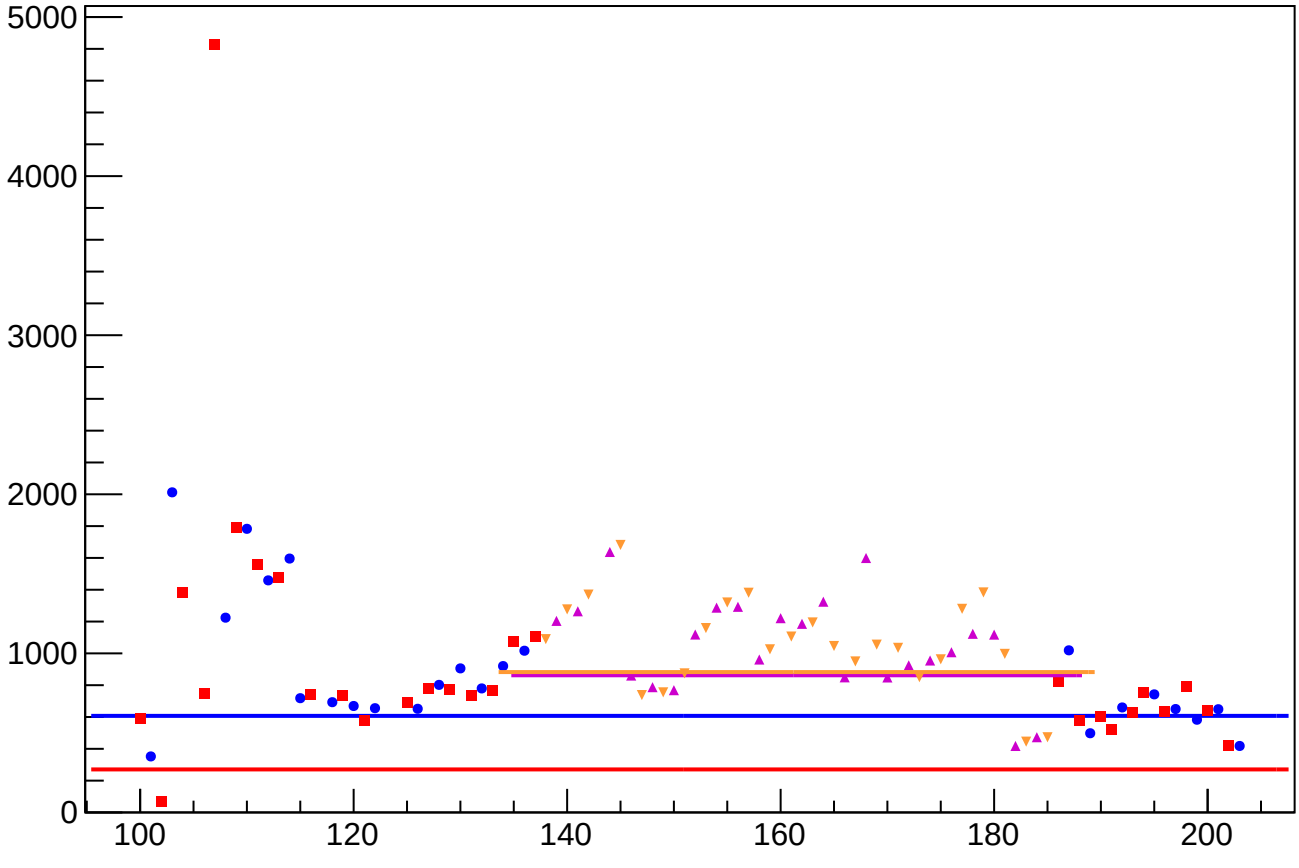
Left: -184.979+/-153.557 χ^2/NDF: 45.7/46

Right: -139.368+/-95.441 χ^2/NDF: 64.9/51

In: -244.329+/-139.172 χ^2/NDF:44.4/46

Out: -104.715+/-99.720 χ^2/NDF:65.6/51

All: -152.078+/-81.060 χ^2/NDF: 110.7/98



Right In: 607.148+/-0.129 χ^2/NDF: 3334540.4/23

Left Out: 882.430+/-0.154 χ^2/NDF:3901279.8/23

Right Out: 270.511+/-0.079 χ^2/NDF: 15210093.2/27

Left In: 862.298+/-0.153 χ^2/NDF:4369416.2/22

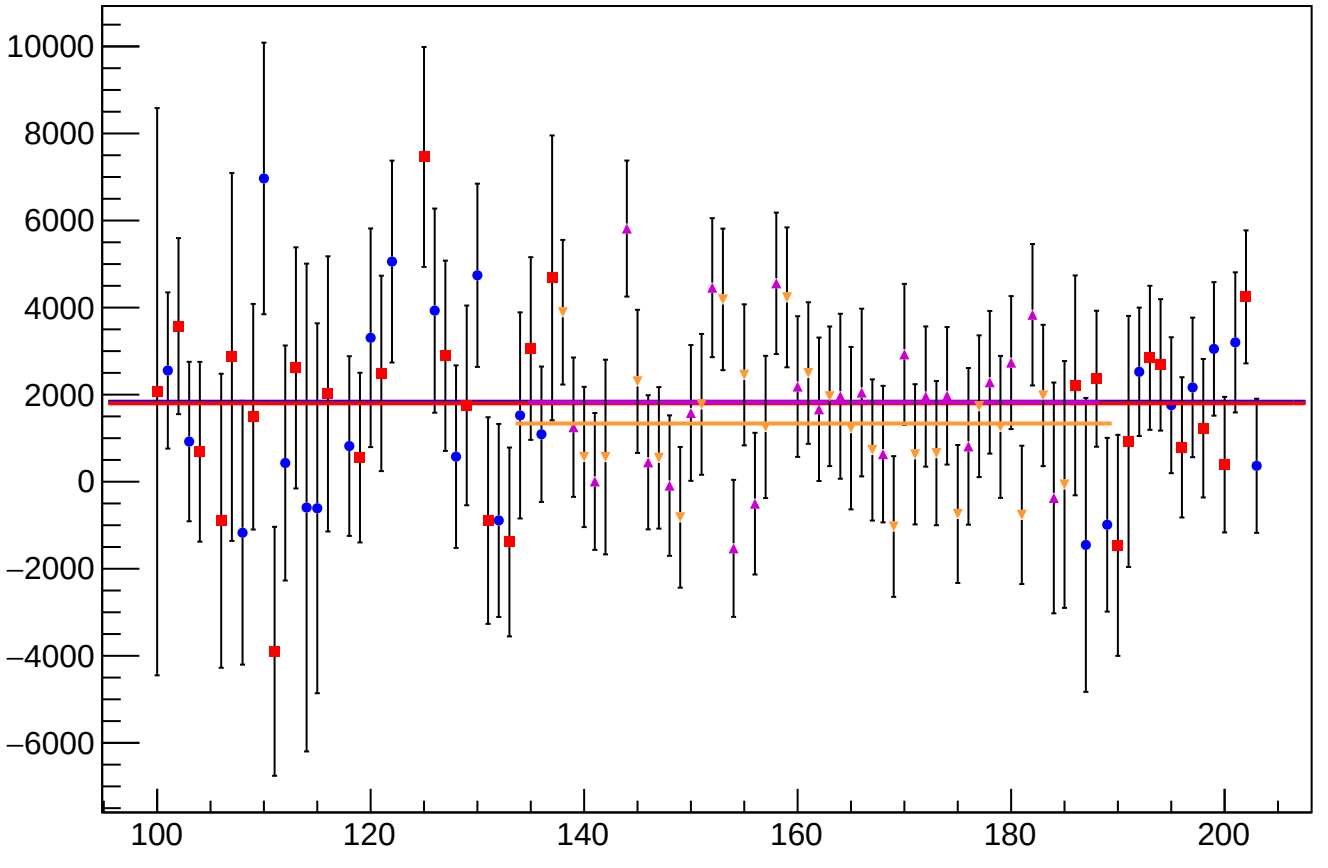
Left: 872.253+/-0.109 χ^2/NDF: 8279289.7/46

Right: 363.088+/-0.067 χ^2/NDF: 23505523.4/51

In: 713.096+/-0.098 χ^2/NDF:9336221.5/46

Out: 398.118+/-0.071 χ^2/NDF:31541210.4/51

All: 504.971+/-0.057 χ^2/NDF: 47646505.3/98



Right In: 1837.507+/-412.237 χ^2/NDF: 17.7/23

Left Out: 1337.018+/-341.012 χ^2/NDF:19.2/23

Right Out: 1801.772+/-403.461 χ^2/NDF: 22.7/27

Left In: 1826.644+/-343.483 χ^2/NDF:26.5/22

Left: 1580.064+/-242.001 χ^2/NDF: 46.7/46

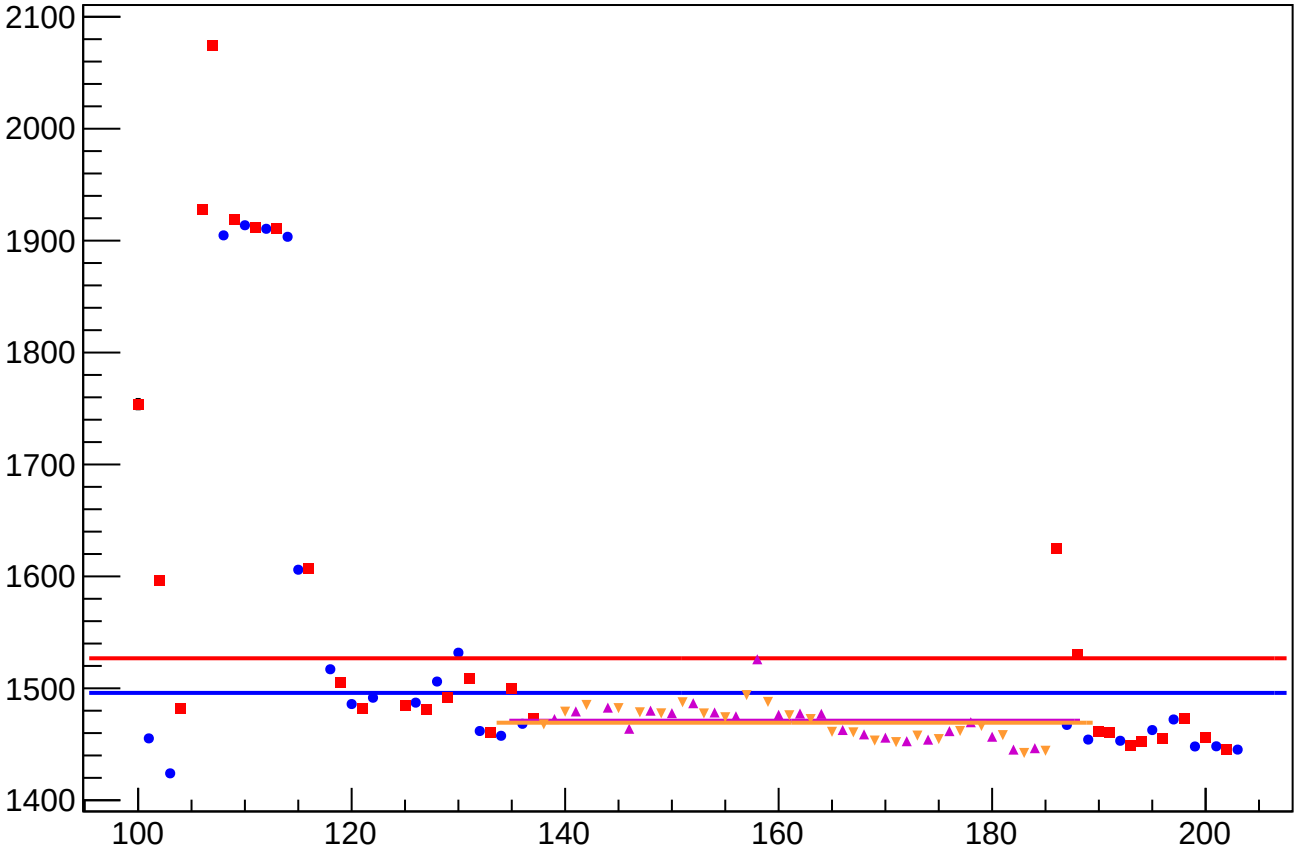
Right: 1819.255+/-288.343 χ^2/NDF: 40.4/51

In: 1831.095+/-263.886 χ^2/NDF:44.2/46

Out: 1530.683+/-260.444 χ^2/NDF:42.7/51

All: 1678.917+/-185.367 χ^2/NDF: 87.5/98

cor_asym_usl_atl1_avg_rms vs Slug, Sign Corrected



Right In: 1495.907+/-0.291 χ^2/NDF: 147939.0/23

Left Out: 1469.267+/-0.241 χ^2/NDF:3155.3/23

Right Out: 1526.835+/-0.285 χ^2/NDF: 225936.0/27

Left In: 1471.054+/-0.243 χ^2/NDF:4642.4/22

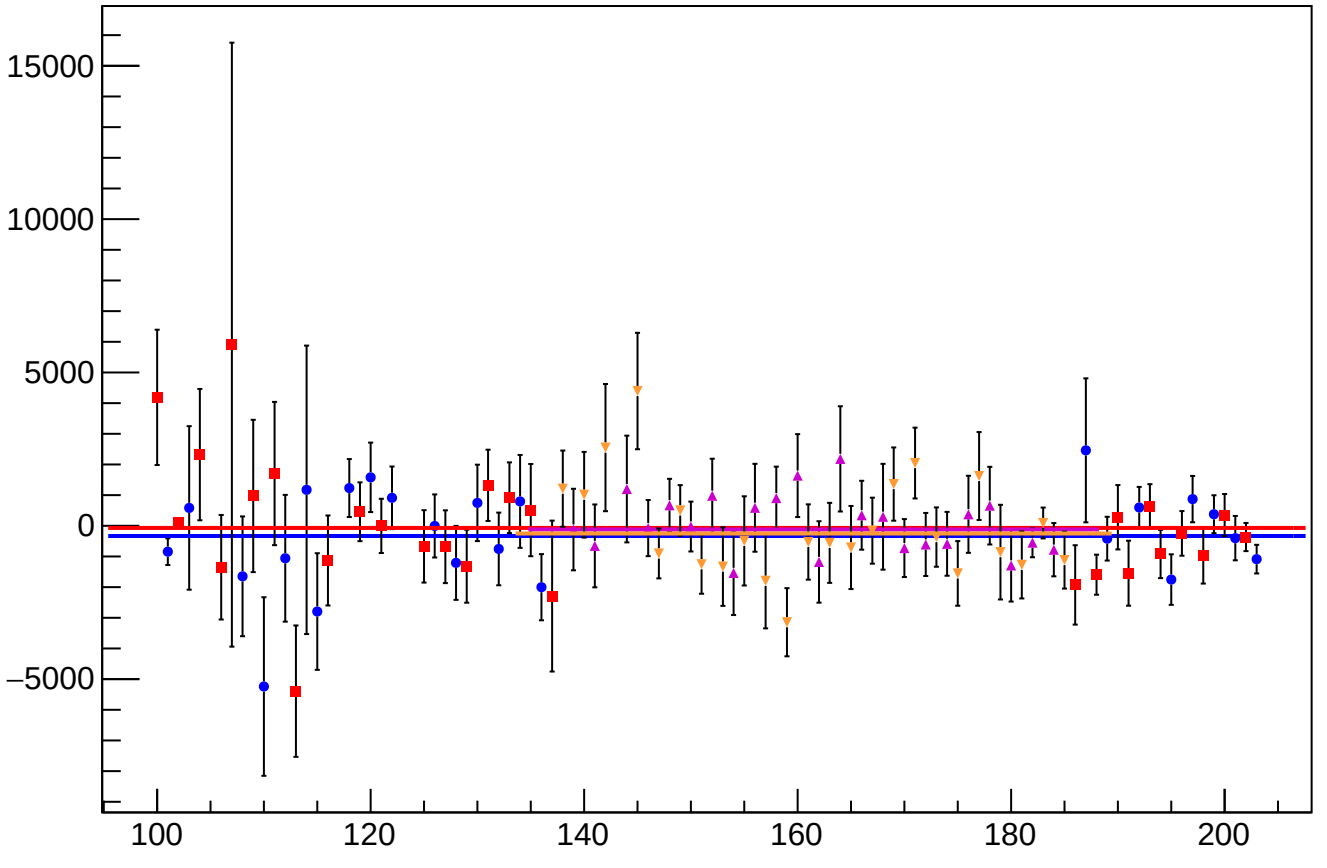
Left: 1470.154+/-0.171 χ^2/NDF: 7825.0/46

Right: 1511.704+/-0.204 χ^2/NDF: 379624.7/51

In: 1481.238+/-0.187 χ^2/NDF:156872.1/46

Out: 1493.256+/-0.184 χ^2/NDF:252842.5/51

All: 1487.326+/-0.131 χ^2/NDF: 411815.9/98



Right In: -332.641+/-181.995 χ^2/NDF: 31.0/23

Left Out: -251.589+/-218.368 χ^2/NDF:32.7/23

Right Out: -69.492+/-118.951 χ^2/NDF: 33.2/27

Left In: -119.845+/-215.975 χ^2/NDF:12.8/22

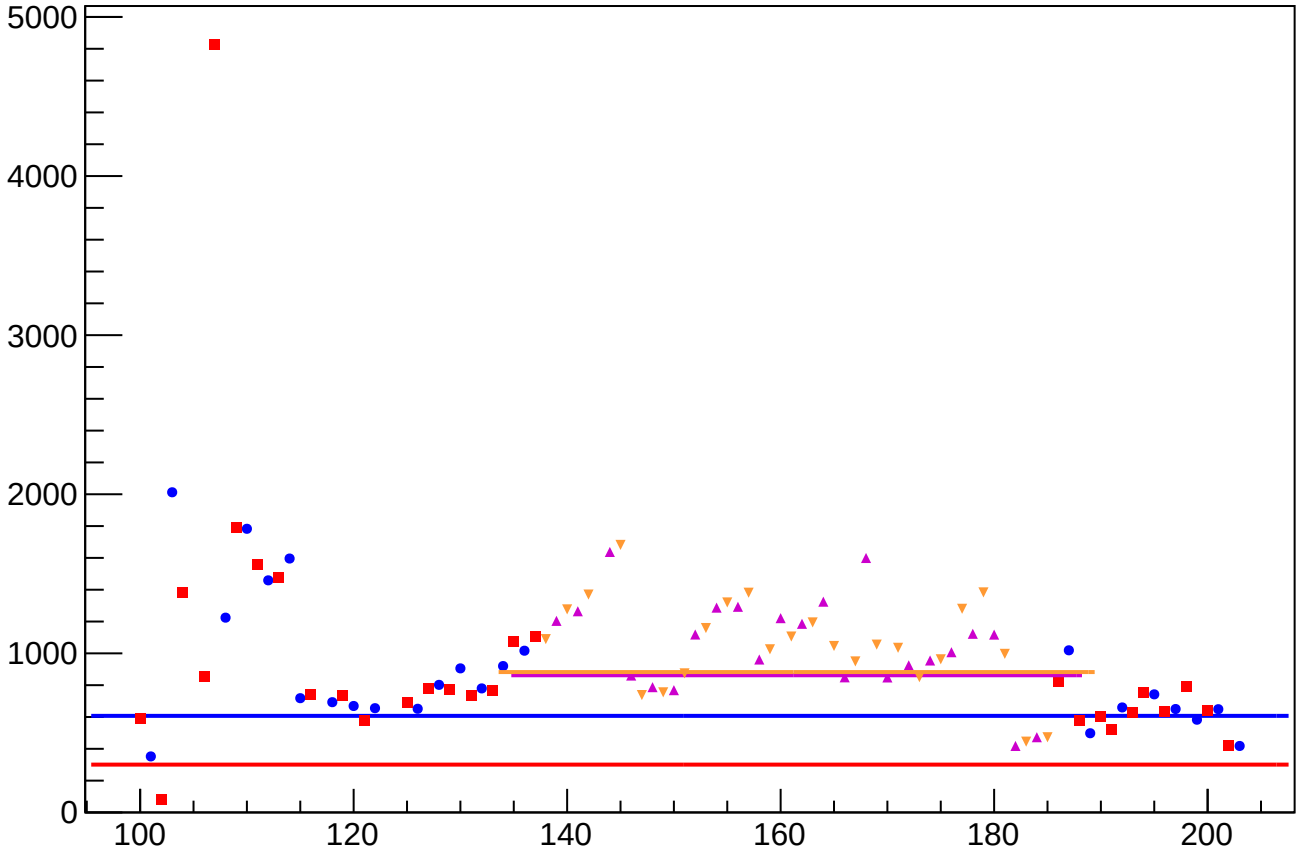
Left: -184.992+/-153.556 χ^2/NDF: 45.7/46

Right: -148.257+/-99.570 χ^2/NDF: 65.7/51

In: -244.281+/-139.171 χ^2/NDF:44.4/46

Out: -111.161+/-104.458 χ^2/NDF:66.4/51

All: -159.131+/-83.544 χ^2/NDF: 111.4/98



Right In: 607.134+/-0.129 χ^2/NDF: 3334836.6/23

Left Out: 882.419+/-0.154 χ^2/NDF:3901620.8/23

Right Out: 300.699+/-0.084 χ^2/NDF: 14014604.8/27

Left In: 862.300+/-0.153 χ^2/NDF:4369426.7/22

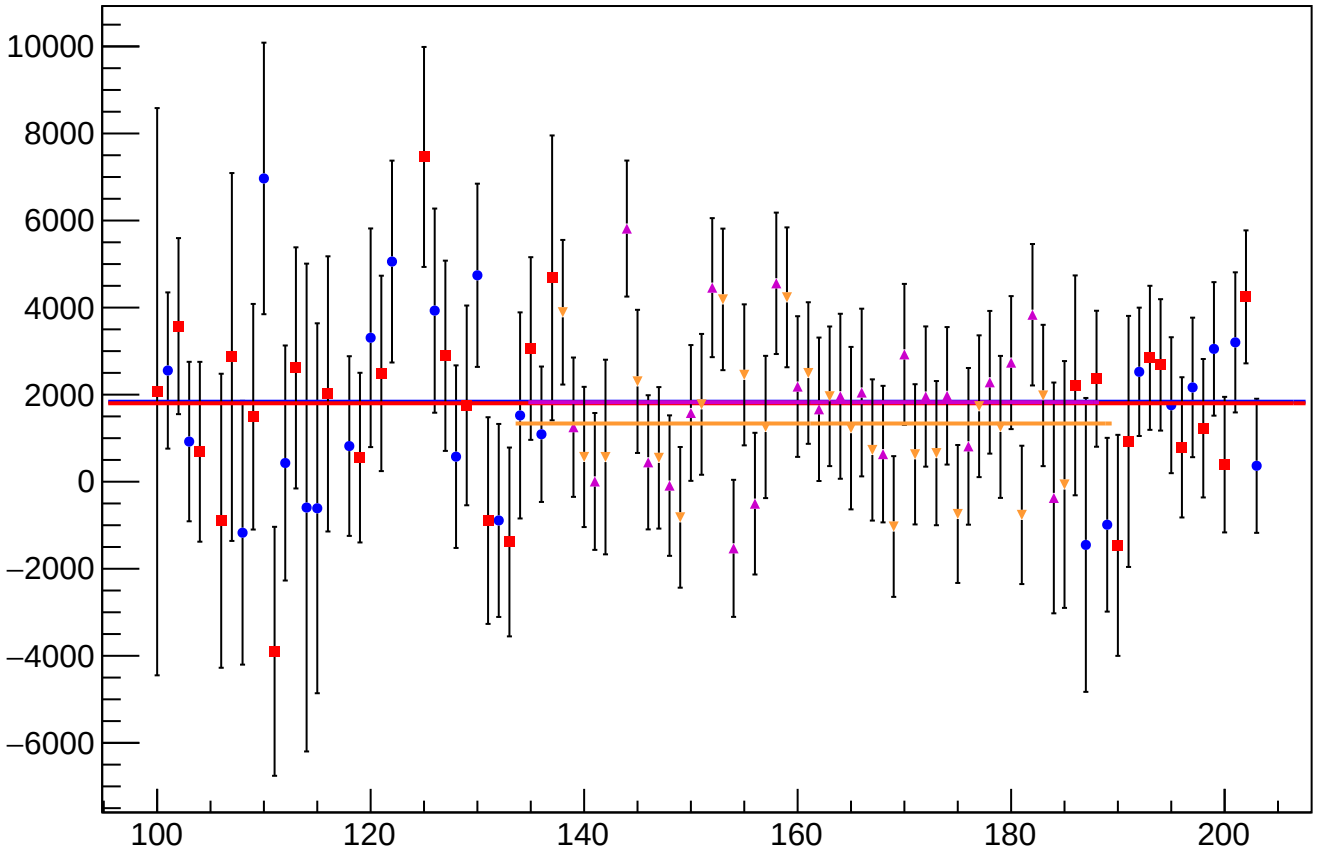
Left: 872.249+/-0.109 χ^2/NDF: 8279630.1/46

Right: 392.422+/-0.070 χ^2/NDF: 21322341.7/51

In: 713.087+/-0.098 χ^2/NDF:9336750.2/46

Out: 433.813+/-0.074 χ^2/NDF:28861641.6/51

All: 534.450+/-0.059 χ^2/NDF: 43349873.7/98



Right In: 1837.507+/-412.237 χ^2/NDF: 17.7/23

Left Out: 1337.018+/-341.012 χ^2/NDF:19.2/23

Right Out: 1801.772+/-403.461 χ^2/NDF: 22.7/27

Left In: 1826.644+/-343.483 χ^2/NDF:26.5/22

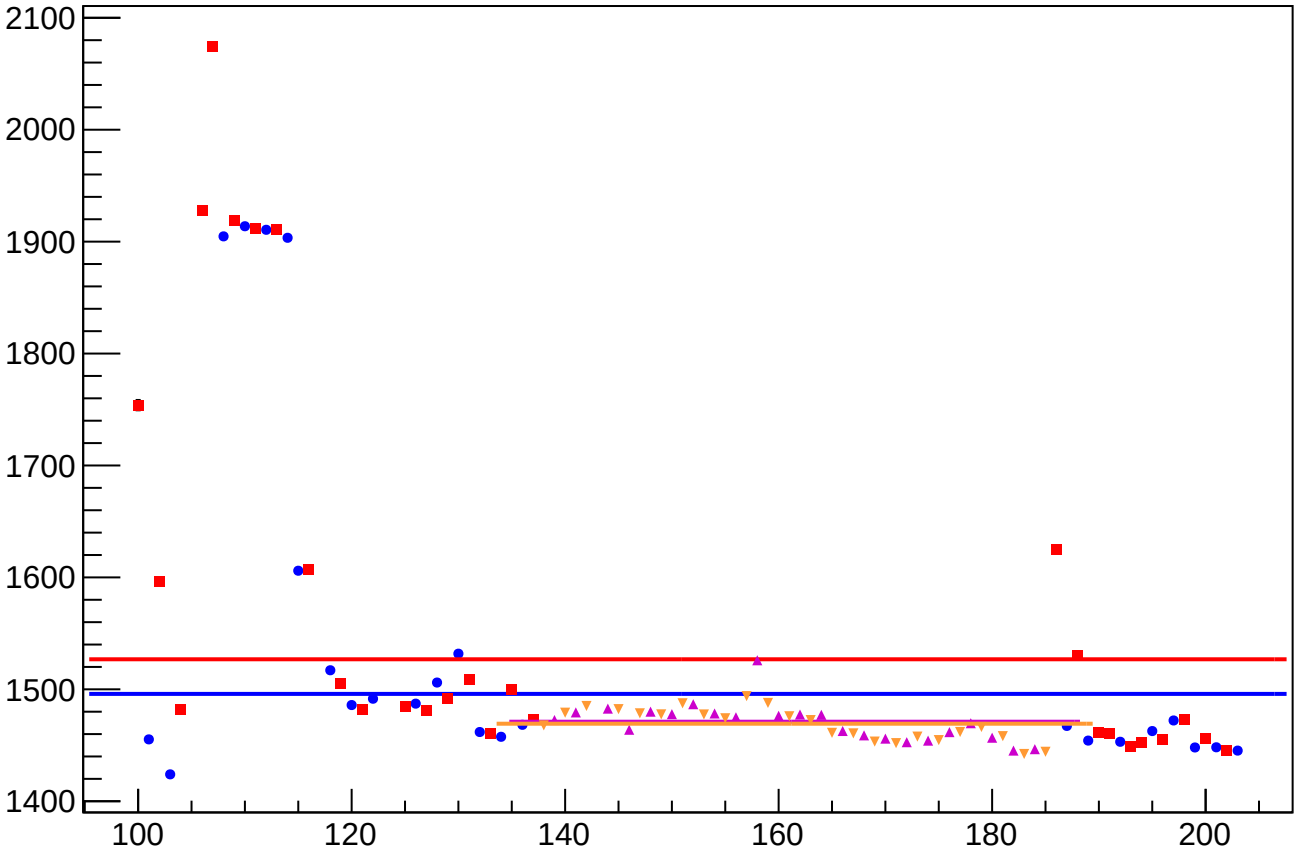
Left: 1580.064+/-242.001 χ^2/NDF: 46.7/46

Right: 1819.255+/-288.343 χ^2/NDF: 40.4/51

In: 1831.095+/-263.886 χ^2/NDF:44.2/46

Out: 1530.683+/-260.444 χ^2/NDF:42.7/51

All: 1678.917+/-185.367 χ^2/NDF: 87.5/98



Right In: 1495.907+/-0.291 χ^2/NDF: 147939.0/23

Left Out: 1469.267+/-0.241 χ^2/NDF:3155.3/23

Right Out: 1526.835+/-0.285 χ^2/NDF: 225936.0/27

Left In: 1471.054+/-0.243 χ^2/NDF:4642.4/22

Left: 1470.154+/-0.171 χ^2/NDF: 7825.0/46

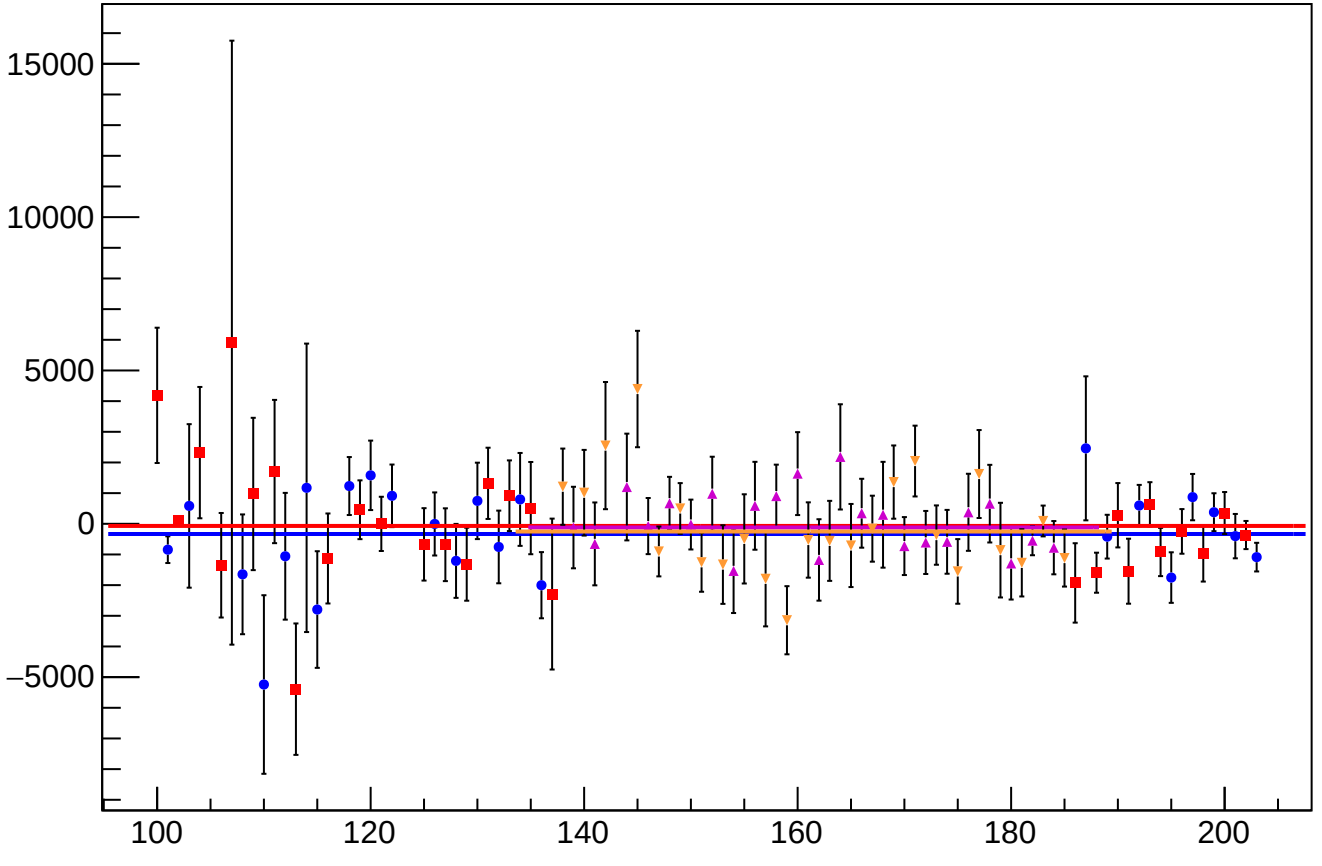
Right: 1511.704+/-0.204 χ^2/NDF: 379624.7/51

In: 1481.238+/-0.187 χ^2/NDF:156872.1/46

Out: 1493.256+/-0.184 χ^2/NDF:252842.5/51

All: 1487.326+/-0.131 χ^2/NDF: 411815.9/98

asym_usl_atl1_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -332.641+/-181.995 χ^2/NDF: 31.0/23

Left Out: -251.589+/-218.368 χ^2/NDF:32.7/23

Right Out: -69.492+/-118.951 χ^2/NDF: 33.2/27

Left In: -119.845+/-215.975 χ^2/NDF:12.8/22

Left: -184.992+/-153.556 χ^2/NDF: 45.7/46

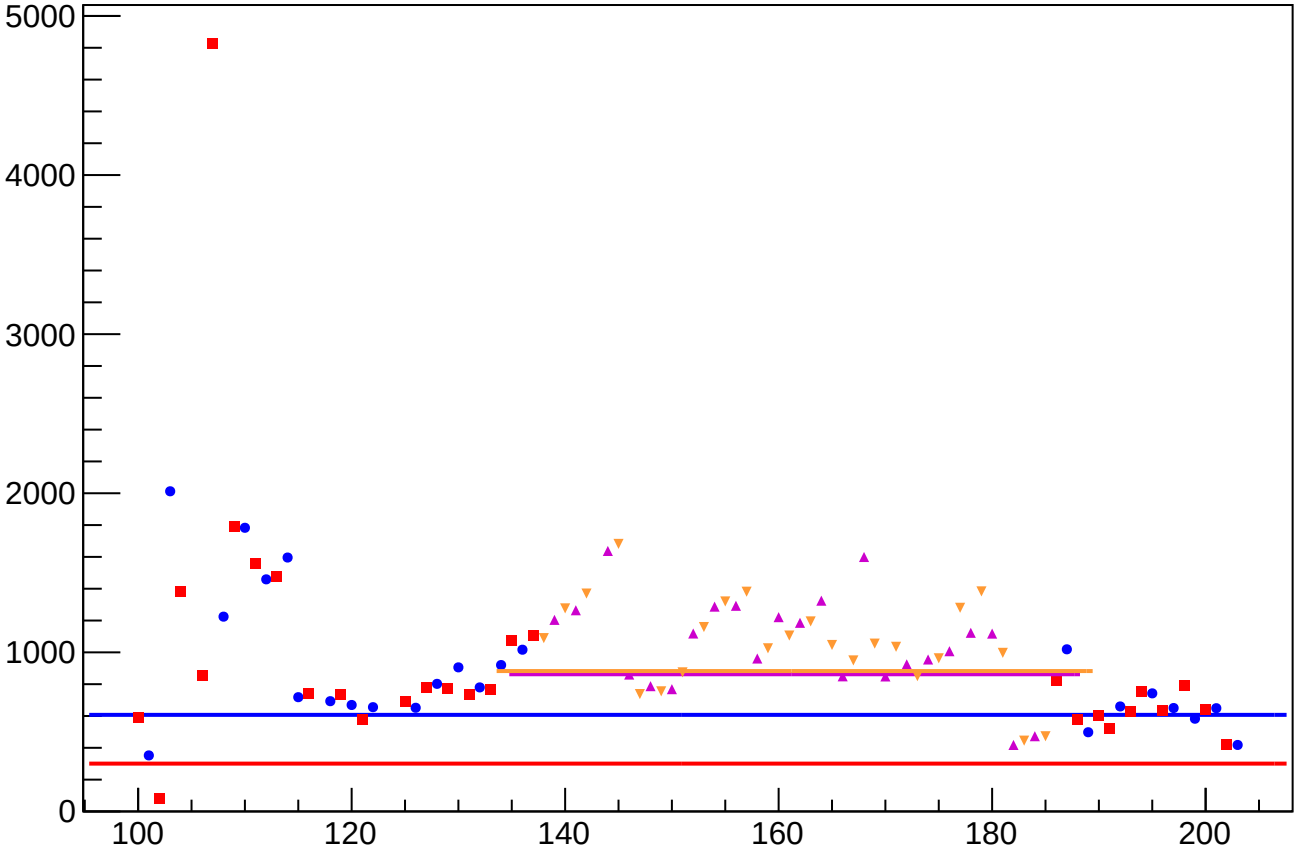
Right: -148.257+/-99.570 χ^2/NDF: 65.7/51

In: -244.281+/-139.171 χ^2/NDF:44.4/46

Out: -111.161+/-104.458 χ^2/NDF:66.4/51

All: -159.131+/-83.544 χ^2/NDF: 111.4/98

asym_usl_atl1_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 607.134+/-0.129 χ^2/NDF: 3334836.6/23

Left Out: 882.419+/-0.154 χ^2/NDF:3901620.8/23

Right Out: 300.699+/-0.084 χ^2/NDF: 14014604.8/27

Left In: 862.300+/-0.153 χ^2/NDF:4369426.7/22

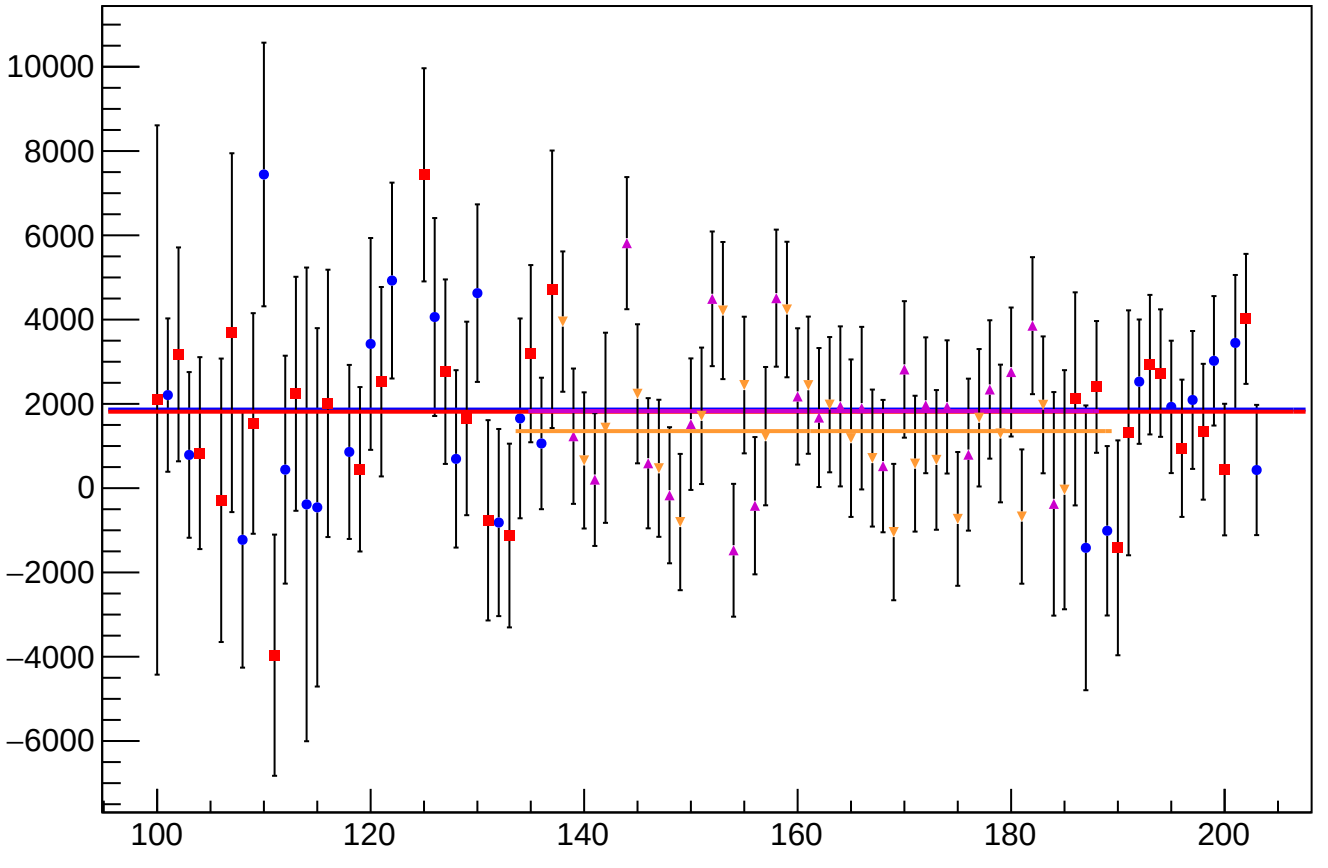
Left: 872.249+/-0.109 χ^2/NDF: 8279630.1/46

Right: 392.422+/-0.070 χ^2/NDF: 21322341.7/51

In: 713.087+/-0.098 χ^2/NDF:9336750.2/46

Out: 433.813+/-0.074 χ^2/NDF:28861641.6/51

All: 534.450+/-0.059 χ^2/NDF: 43349873.7/98



Right In: 1865.194+/-415.322 χ^2/NDF: 17.9/23

Left Out: 1353.686+/-341.570 χ^2/NDF:18.9/23

Right Out: 1814.331+/-409.421 χ^2/NDF: 20.9/27

Left In: 1828.250+/-343.952 χ^2/NDF:25.8/22

Left: 1589.318+/-242.364 χ^2/NDF: 45.7/46

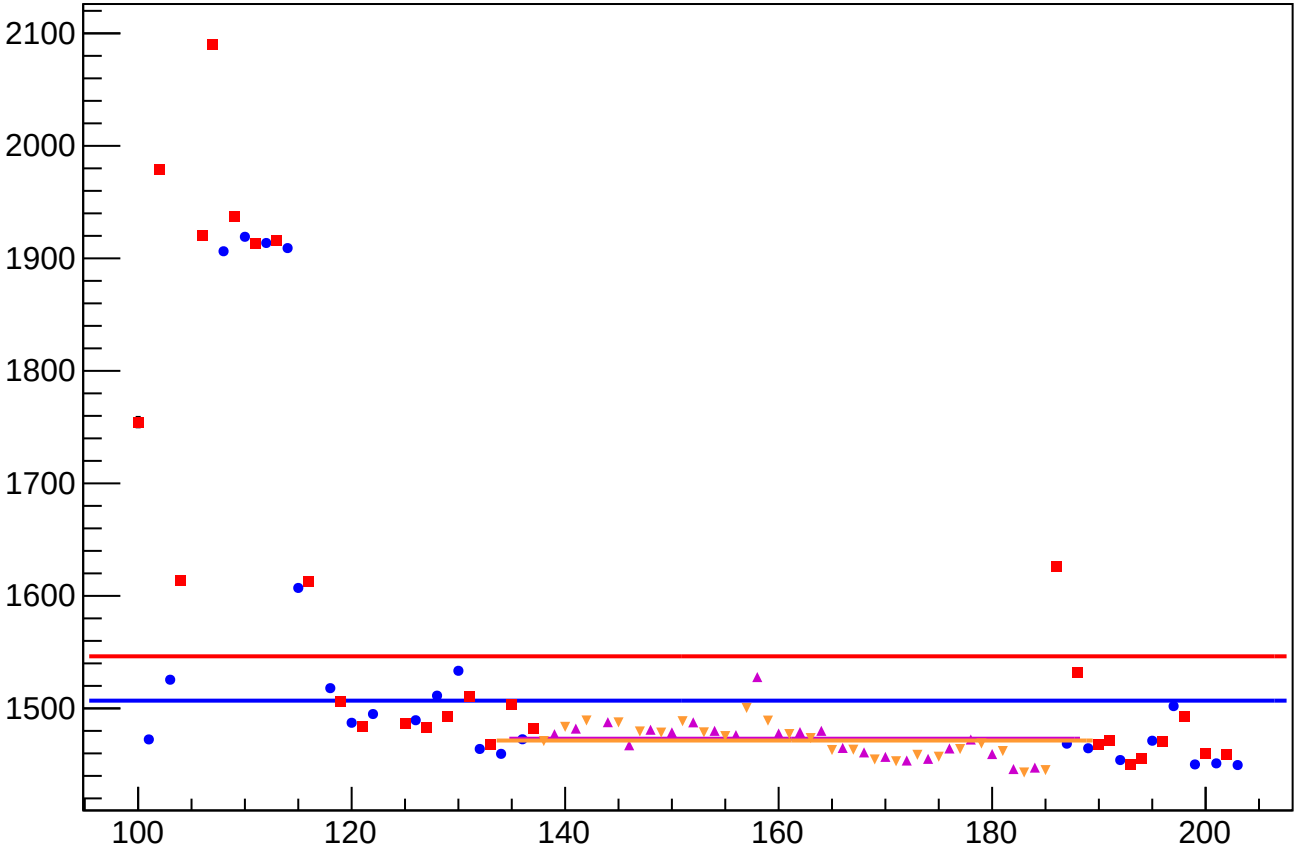
Right: 1839.399+/-291.568 χ^2/NDF: 38.8/51

In: 1843.280+/-264.904 χ^2/NDF:43.7/46

Out: 1542.726+/-262.280 χ^2/NDF:40.6/51

All: 1691.507+/-186.381 χ^2/NDF: 84.9/98

dit_asym_usl_atl1_avg_rms vs Slug, Sign Corrected



Right In: 1506.880+/-0.294 χ^2/NDF: 142734.0/23

Left Out: 1471.437+/-0.242 χ^2/NDF:3436.8/23

Right Out: 1546.286+/-0.290 χ^2/NDF: 282441.8/27

Left In: 1473.049+/-0.243 χ^2/NDF:4751.3/22

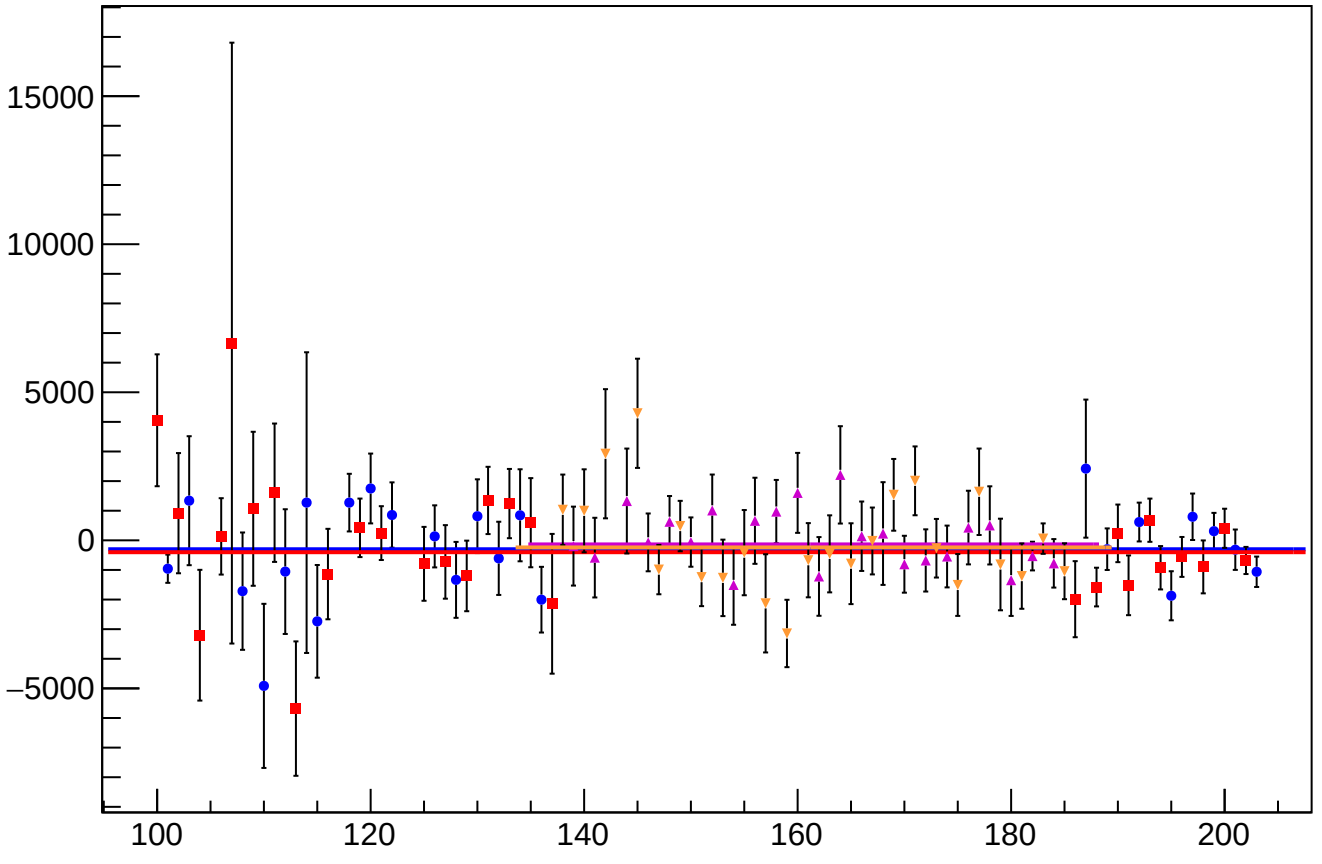
Left: 1472.237+/-0.171 χ^2/NDF: 8210.2/46

Right: 1526.865+/-0.206 χ^2/NDF: 434306.6/51

In: 1486.812+/-0.187 χ^2/NDF:155357.4/46

Out: 1502.153+/-0.185 χ^2/NDF:325291.0/51

All: 1494.559+/-0.132 χ^2/NDF: 484035.5/98



Right In: -301.424+/-187.745 χ^2/NDF: 31.0/23

Left Out: -240.267+/-221.787 χ^2/NDF:32.4/23

Right Out: -400.685+/-189.609 χ^2/NDF: 31.9/27

Left In: -138.421+/-218.478 χ^2/NDF:13.0/22

Left: -188.579+/-155.644 χ^2/NDF: 45.5/46

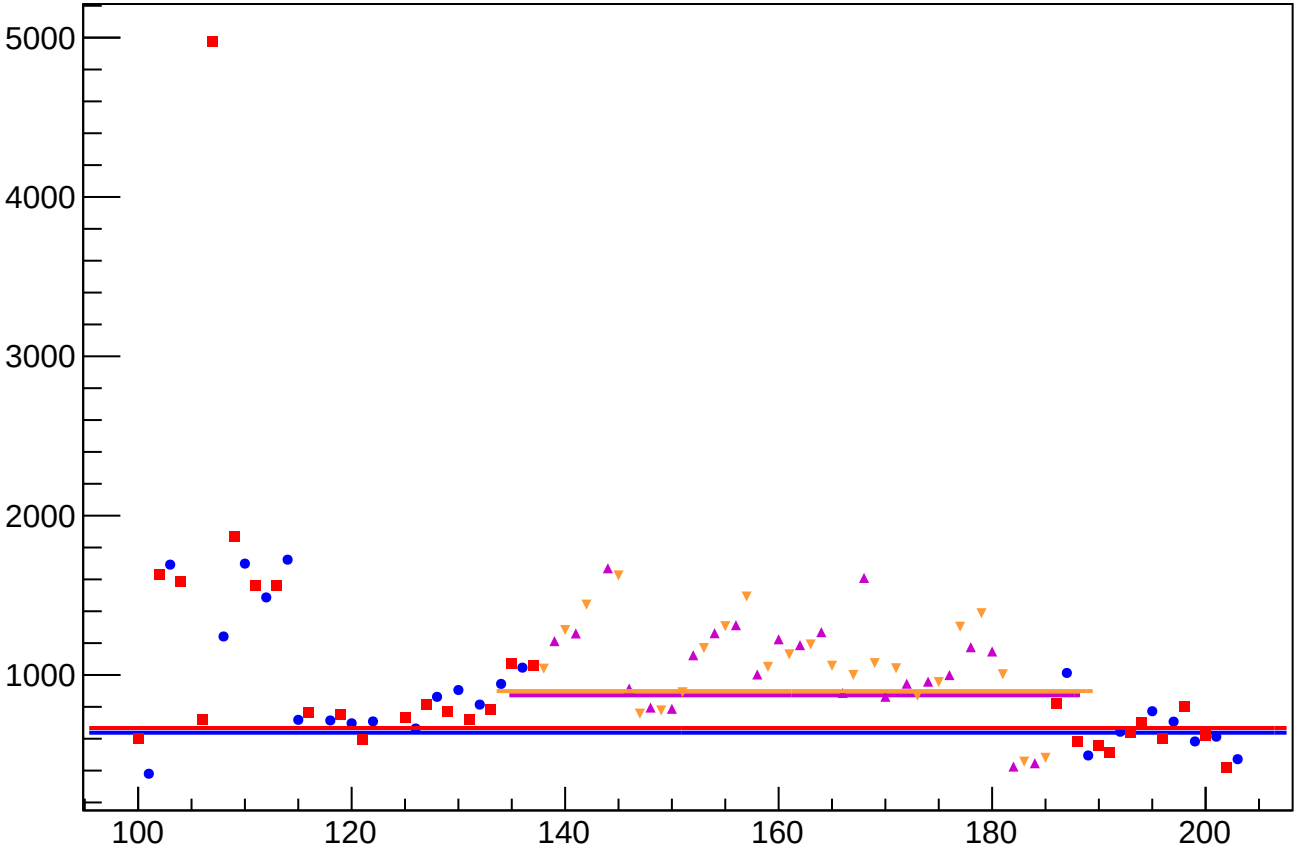
Right: -350.564+/-133.410 χ^2/NDF: 63.0/51

In: -232.184+/-142.393 χ^2/NDF:44.3/46

Out: -332.947+/-144.121 χ^2/NDF:64.7/51

All: -281.958+/-101.292 χ^2/NDF: 109.2/98

asym_usl_atl1_avg_dit_correction_rms vs Slug, Sign Corrected



Right In: 637.814+/-0.133 χ^2/NDF: 2953968.4/23

Left Out: 898.849+/-0.157 χ^2/NDF:3791528.8/23

Right Out: 667.296+/-0.134 χ^2/NDF: 3319495.1/27

Left In: 872.472+/-0.154 χ^2/NDF:4435516.3/22

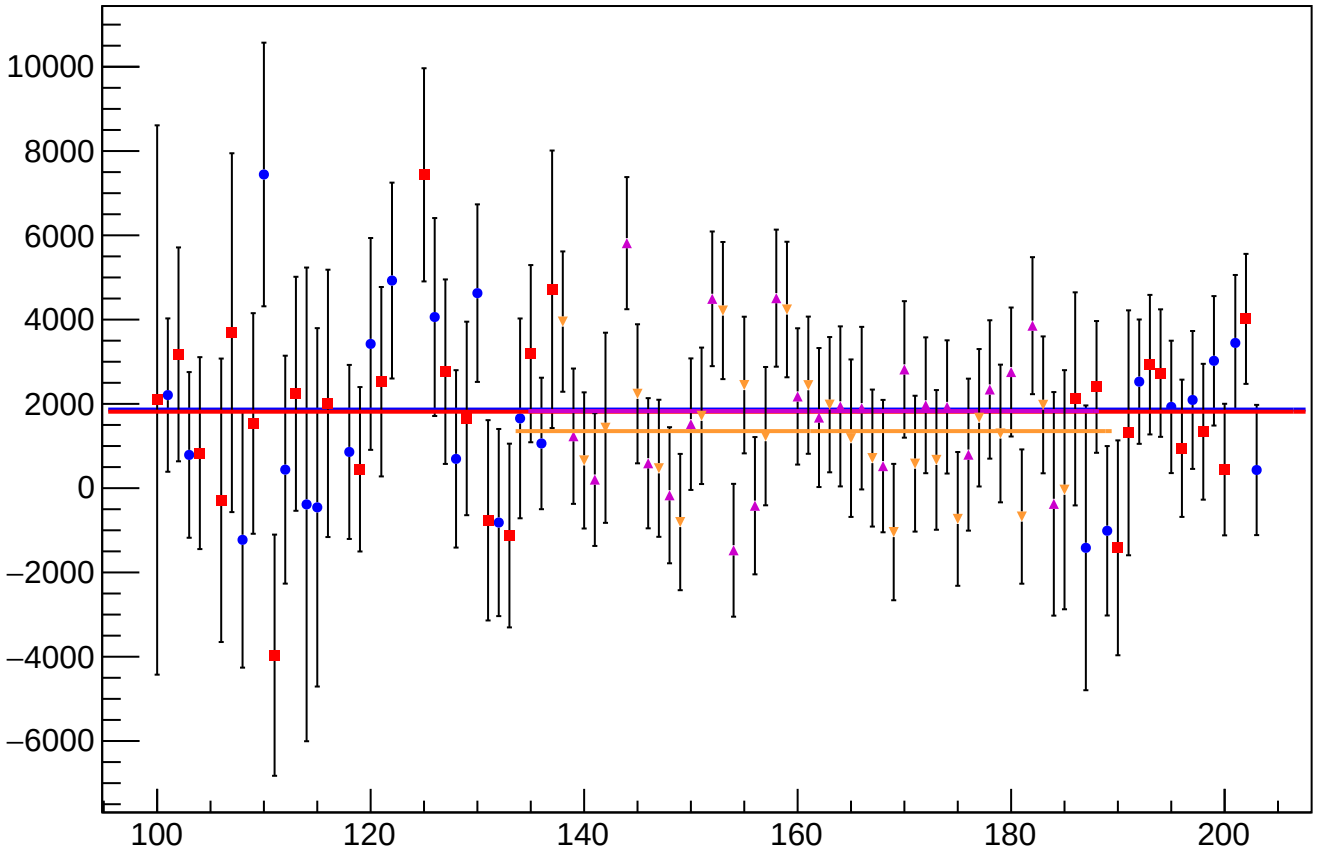
Left: 885.462+/-0.110 χ^2/NDF: 8241401.5/46

Right: 652.409+/-0.094 χ^2/NDF: 6297879.7/51

In: 737.491+/-0.101 χ^2/NDF:8716649.6/46

Out: 765.071+/-0.102 χ^2/NDF:8370500.7/51

All: 751.115+/-0.072 χ^2/NDF: 17124214.1/98



Right In: 1865.193+/-415.322 χ^2/NDF: 17.9/23

Left Out: 1353.684+/-341.570 χ^2/NDF:18.9/23

Right Out: 1814.329+/-409.421 χ^2/NDF: 20.9/27

Left In: 1828.250+/-343.952 χ^2/NDF:25.8/22

Left: 1589.318+/-242.364 χ^2/NDF: 45.7/46

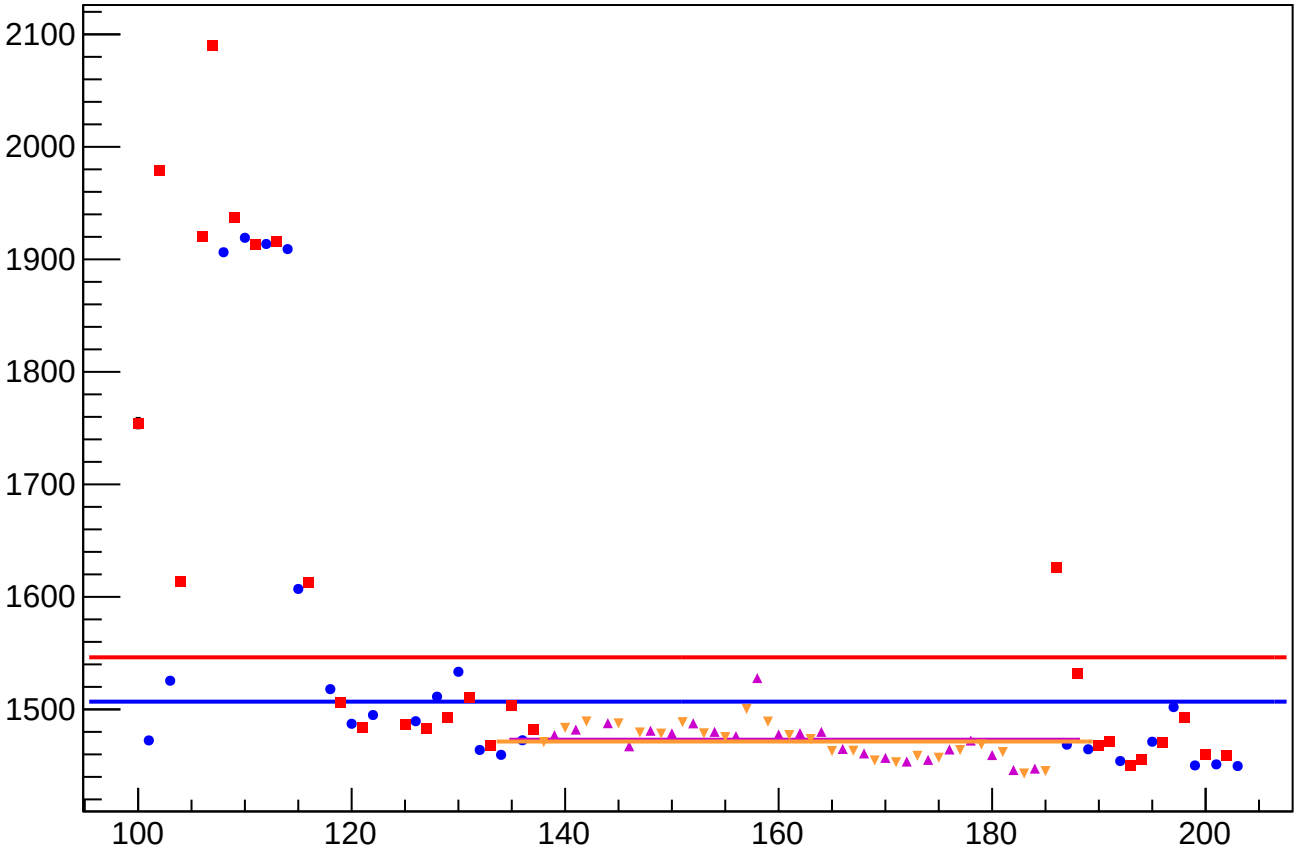
Right: 1839.397+/-291.568 χ^2/NDF: 38.8/51

In: 1843.280+/-264.904 χ^2/NDF:43.7/46

Out: 1542.725+/-262.280 χ^2/NDF:40.6/51

All: 1691.506+/-186.381 χ^2/NDF: 84.9/98

eigen_dit_asym_usl_atl1_avg_rms vs Slug, Sign Corrected



Right In: 1506.880+/-0.294 χ^2/NDF: 142733.9/23

Left Out: 1471.437+/-0.242 χ^2/NDF:3436.8/23

Right Out: 1546.286+/-0.290 χ^2/NDF: 282441.4/27

Left In: 1473.049+/-0.243 χ^2/NDF:4751.3/22

Left: 1472.237+/-0.171 χ^2/NDF: 8210.2/46

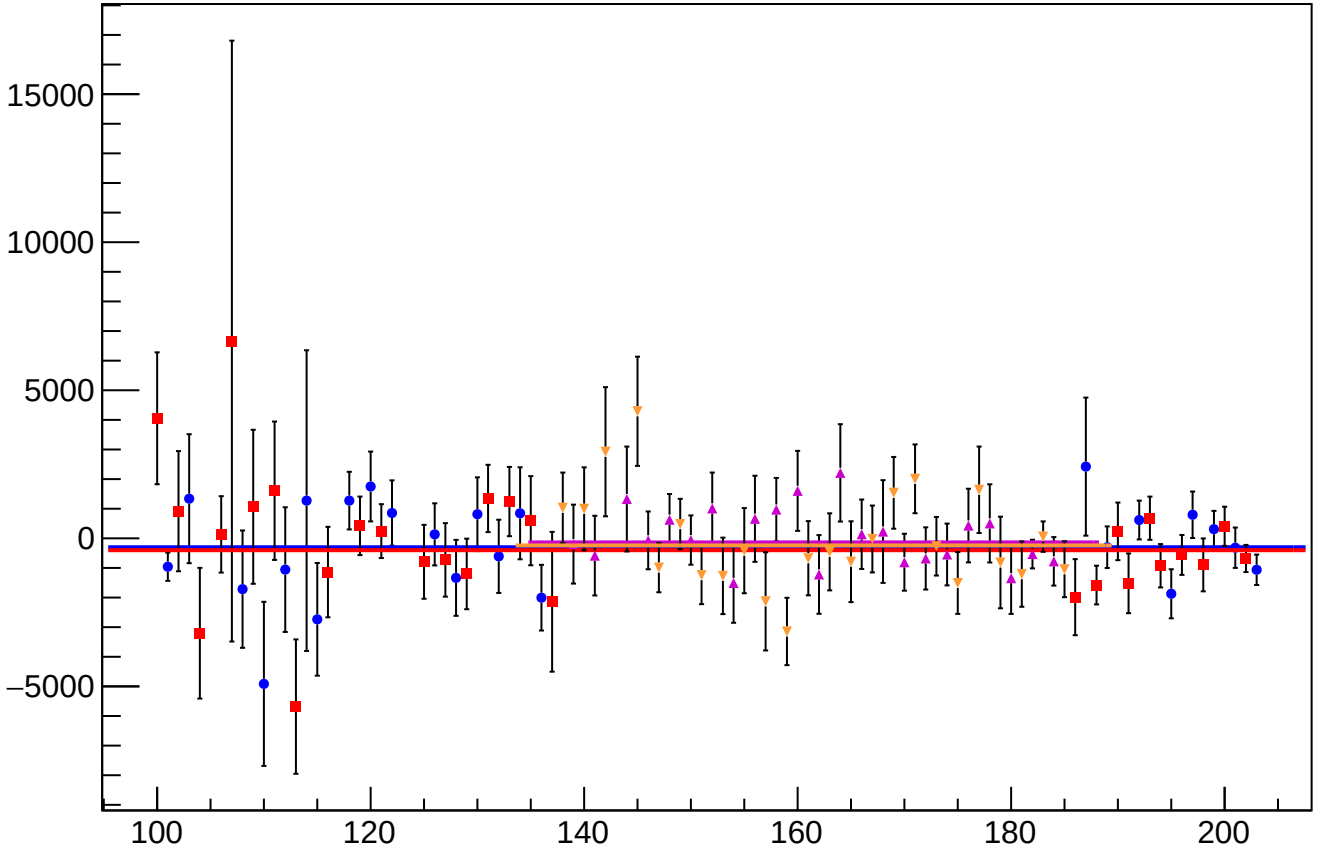
Right: 1526.865+/-0.206 χ^2/NDF: 434306.1/51

In: 1486.812+/-0.187 χ^2/NDF:155357.2/46

Out: 1502.153+/-0.185 χ^2/NDF:325290.4/51

All: 1494.559+/-0.132 χ^2/NDF: 484034.9/98

asym_usl_atl1_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -301.424+/-187.745 χ^2/NDF: 31.0/23

Left Out: -240.269+/-221.788 χ^2/NDF:32.4/23

Right Out: -400.684+/-189.609 χ^2/NDF: 31.9/27

Left In: -138.421+/-218.478 χ^2/NDF:13.0/22

Left: -188.580+/-155.644 χ^2/NDF: 45.5/46

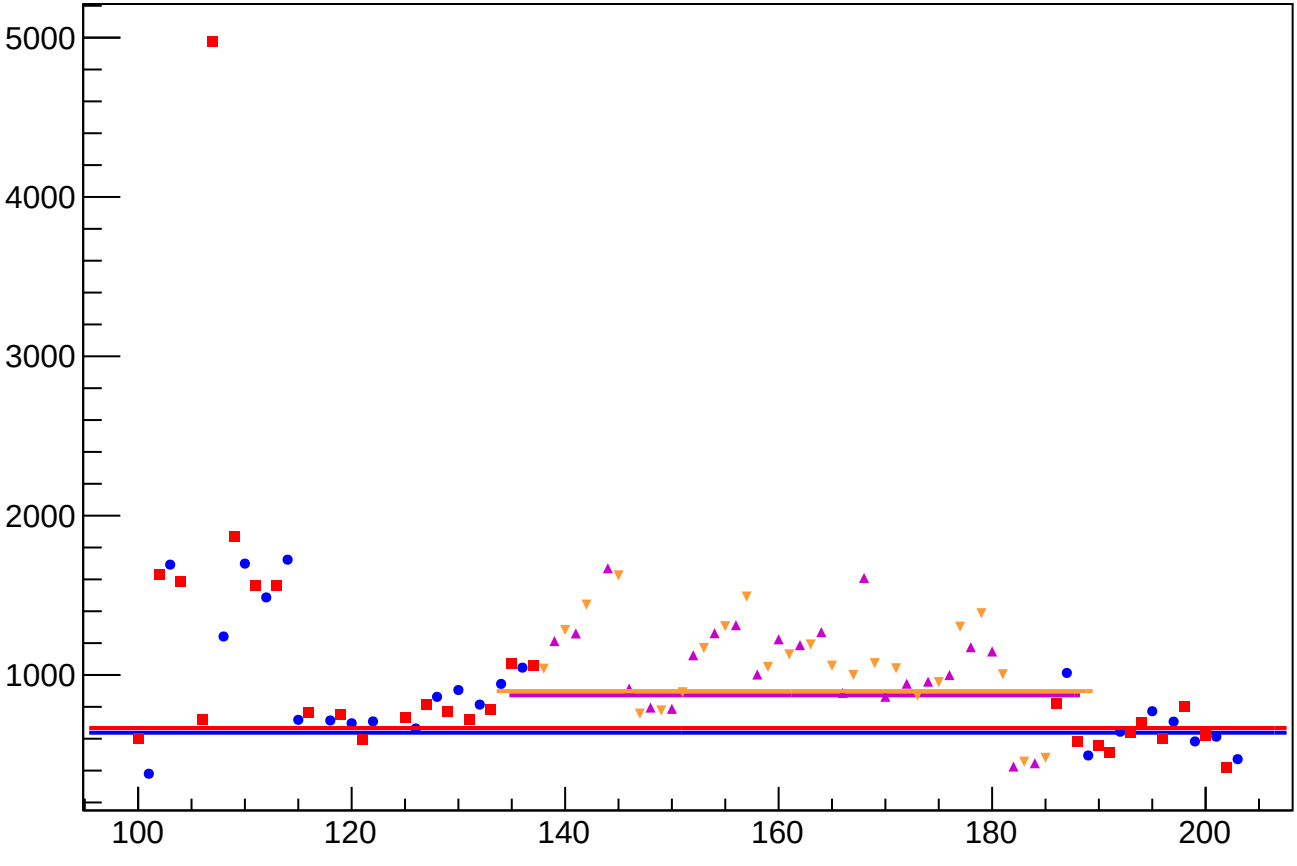
Right: -350.564+/-133.410 χ^2/NDF: 63.0/51

In: -232.185+/-142.393 χ^2/NDF:44.3/46

Out: -332.948+/-144.121 χ^2/NDF:64.7/51

All: -281.959+/-101.292 χ^2/NDF: 109.2/98

asym_usl_atl1_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 637.814+/-0.133 χ^2/NDF: 2953962.0/23

Left Out: 898.850+/-0.157 χ^2/NDF:3791537.4/23

Right Out: 667.296+/-0.134 χ^2/NDF: 3319491.9/27

Left In: 872.473+/-0.154 χ^2/NDF:4435524.1/22

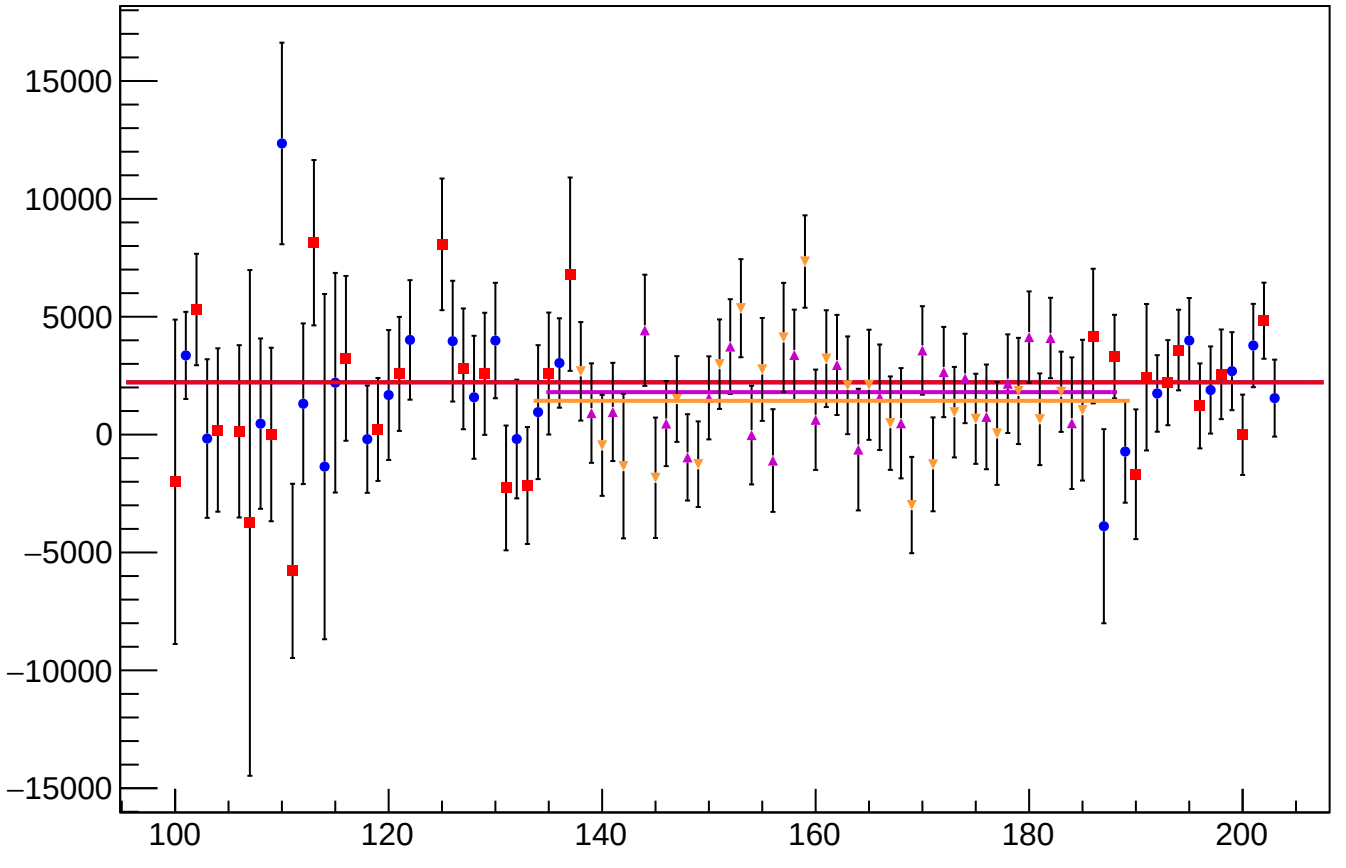
Left: 885.463+/-0.110 χ^2/NDF: 8241417.9/46

Right: 652.409+/-0.094 χ^2/NDF: 6297870.0/51

In: 737.491+/-0.101 χ^2/NDF:8716657.9/46

Out: 765.071+/-0.102 χ^2/NDF:8370513.5/51

All: 751.115+/-0.072 χ^2/NDF: 17124235.0/98



Right In: 2219.857+/-472.441 χ^2/NDF: 17.2/23

Left Out: 1433.314+/-424.465 χ^2/NDF:29.4/23

Right Out: 2216.779+/-464.242 χ^2/NDF: 31.8/27

Left In: 1801.543+/-426.483 χ^2/NDF:15.3/22

Left: 1616.556+/-300.853 χ^2/NDF: 45.1/46

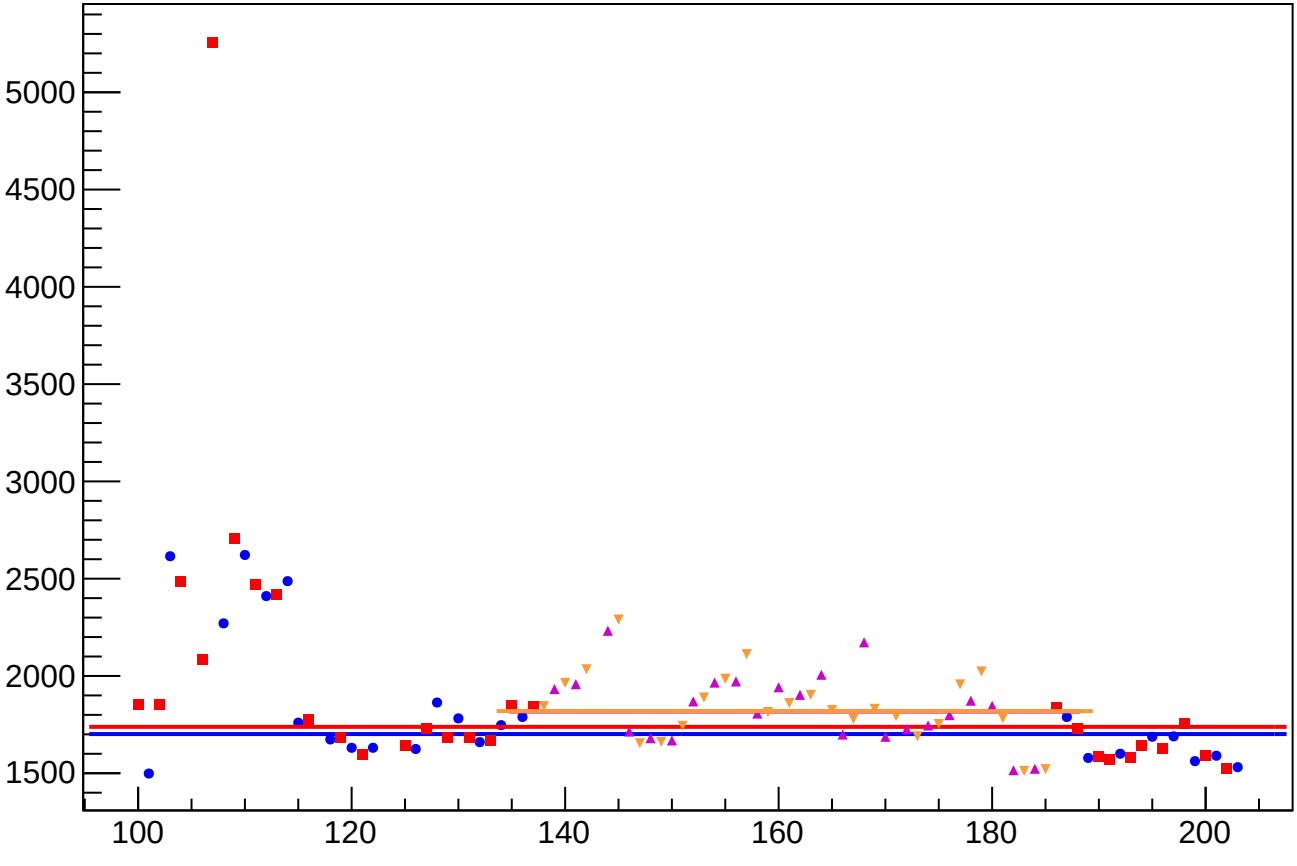
Right: 2218.291+/-331.129 χ^2/NDF: 49.0/51

In: 1989.369+/-316.573 χ^2/NDF:32.9/46

Out: 1790.050+/-313.262 χ^2/NDF:62.7/51

All: 1888.662+/-222.671 χ^2/NDF: 95.9/98

asym_usl_atl1_avg_rms vs Slug, Sign Corrected



Right In: 1701.384+/-0.334 χ^2/NDF: 503290.8/23

Left Out: 1819.417+/-0.300 χ^2/NDF:295015.0/23

Right Out: 1738.439+/-0.328 χ^2/NDF: 736157.9/27

Left In: 1817.142+/-0.302 χ^2/NDF:307103.2/22

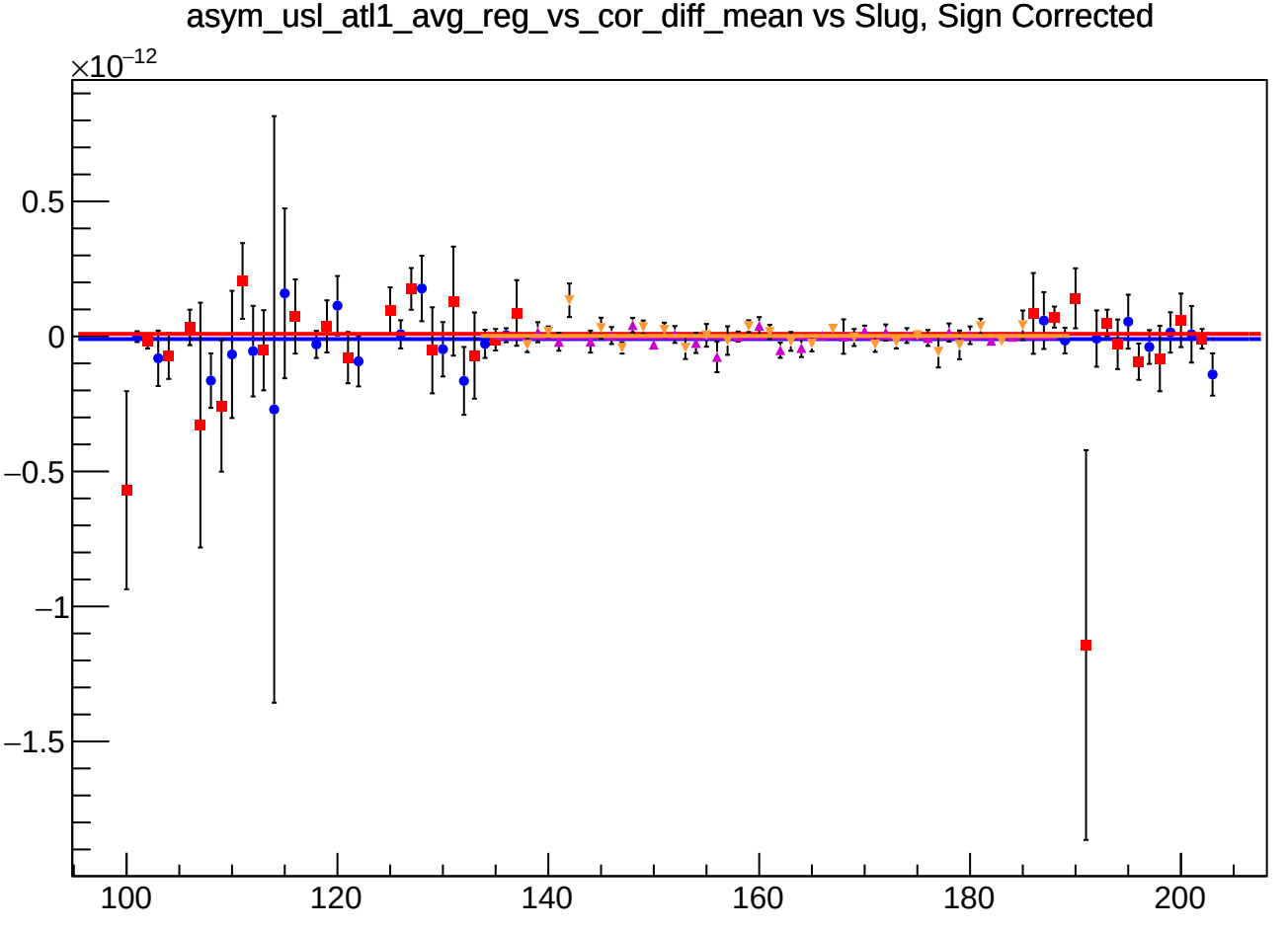
Left: 1818.285+/-0.213 χ^2/NDF: 602146.8/46

Right: 1720.236+/-0.234 χ^2/NDF: 1245708.0/51

In: 1765.166+/-0.224 χ^2/NDF:876551.2/46

Out: 1782.545+/-0.222 χ^2/NDF:1064317.4/51

All: 1773.947+/-0.157 χ^2/NDF: 1943914.3/98



Right In: -0.000+/-0.000 χ^2/NDF: 14.3/23

Left Out: 0.000+/-0.000 χ^2/NDF:29.3/23

Right Out: 0.000+/-0.000 χ^2/NDF: 27.9/27

Left In: -0.000+/-0.000 χ^2/NDF:17.9/22

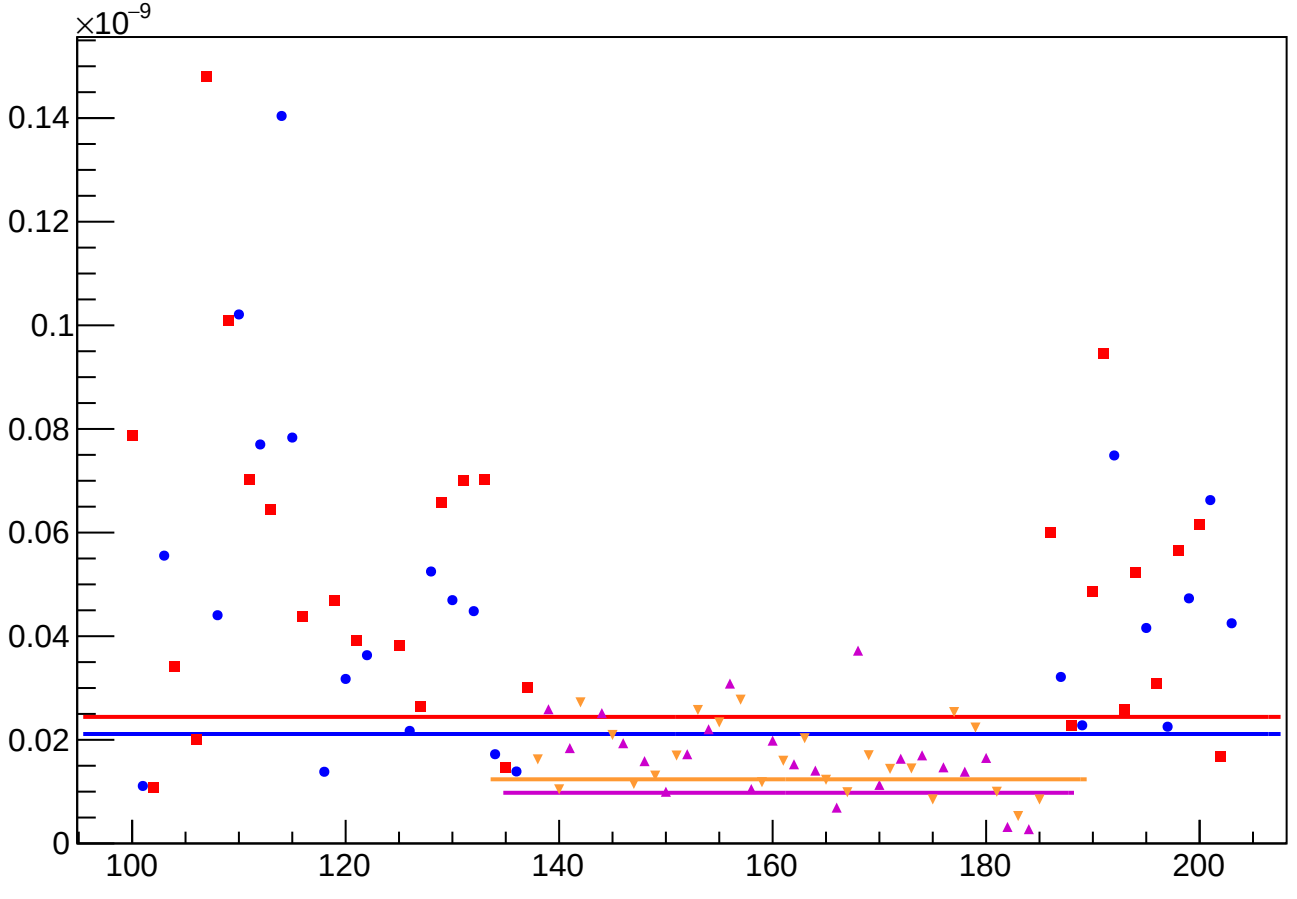
Left: -0.000+/-0.000 χ^2/NDF: 48.5/46

Right: -0.000+/-0.000 χ^2/NDF: 43.4/51

In: -0.000+/-0.000 χ^2/NDF:32.3/46

Out: 0.000+/-0.000 χ^2/NDF:57.5/51

All: -0.000+/-0.000 χ^2/NDF: 92.0/98



Right In: 0.000+/-0.000 χ^2/NDF: 3405907.4/23

Left Out: 0.000+/-0.000 χ^2/NDF:1898110.3/23

Right Out: 0.000+/-0.000 χ^2/NDF: 3080311.7/27

Left In: 0.000+/-0.000 χ^2/NDF:4499862.2/22

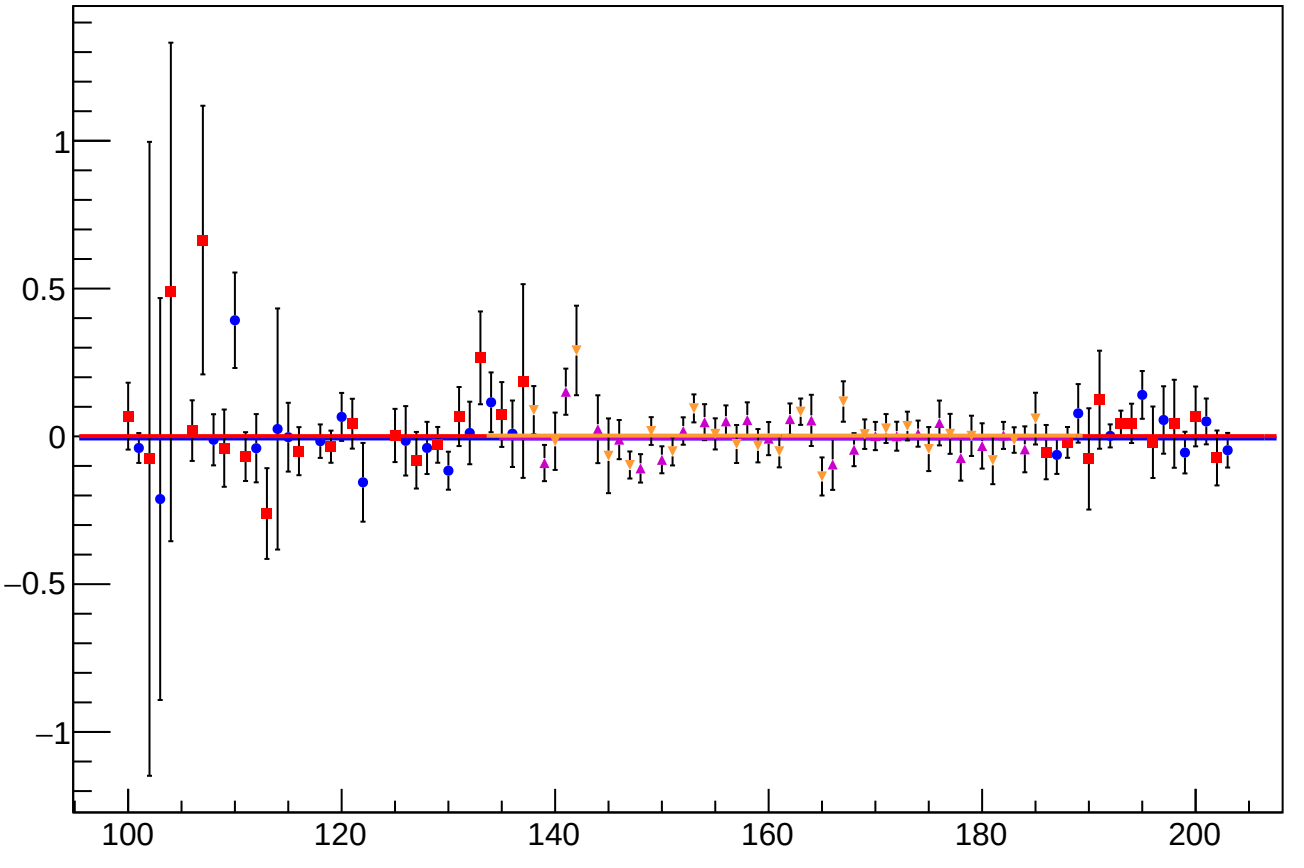
Left: 0.000+/-0.000 χ^2/NDF: 6671683.2/46

Right: 0.000+/-0.000 χ^2/NDF: 6556695.1/51

In: 0.000+/-0.000 χ^2/NDF:9513949.0/46

Out: 0.000+/-0.000 χ^2/NDF:6440587.7/51

All: 0.000+/-0.000 χ^2/NDF: 16316079.1/98



Right In: -0.007+/-0.016 χ^2/NDF: 20.0/23

Left Out: 0.003+/-0.012 χ^2/NDF:29.9/23

Right Out: 0.001+/-0.017 χ^2/NDF: 16.5/27

Left In: -0.006+/-0.012 χ^2/NDF:21.6/22

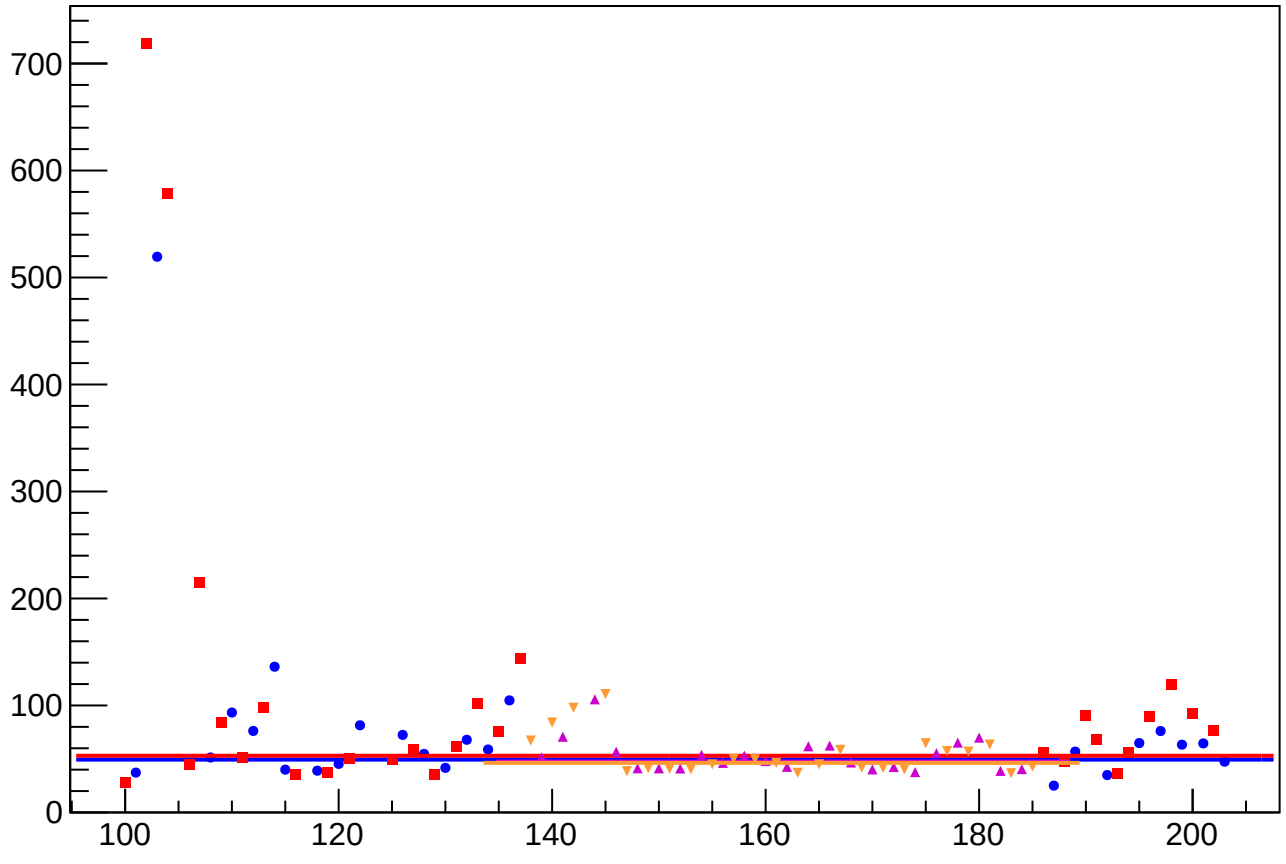
Left: -0.002+/-0.008 χ^2/NDF: 51.8/46

Right: -0.003+/-0.012 χ^2/NDF: 36.5/51

In: -0.007+/-0.010 χ^2/NDF:41.6/46

Out: 0.002+/-0.010 χ^2/NDF:46.4/51

All: -0.002+/-0.007 χ^2/NDF: 88.3/98



Right In: 49.403+/-0.011 χ^2/NDF: 3208393.6/23

Left Out: 46.353+/-0.008 χ^2/NDF:1967753.2/23

Right Out: 52.990+/-0.012 χ^2/NDF: 4518509.5/27

Left In: 47.575+/-0.009 χ^2/NDF:1576196.2/22

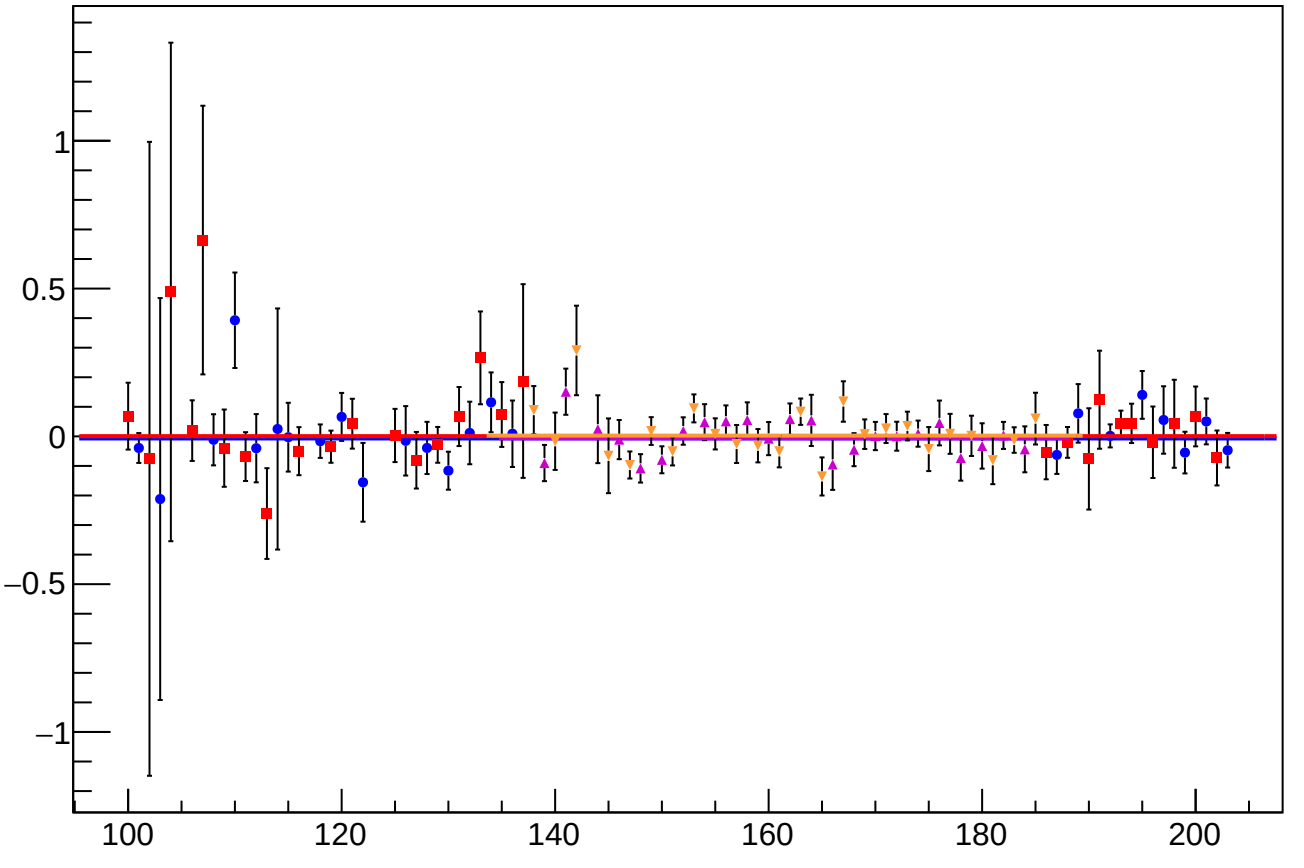
Left: 46.952+/-0.006 χ^2/NDF: 3554287.7/46

Right: 51.096+/-0.008 χ^2/NDF: 7773538.6/51

In: 48.235+/-0.007 χ^2/NDF:4800991.9/46

Out: 48.522+/-0.007 χ^2/NDF:6689750.6/51

All: 48.378+/-0.005 χ^2/NDF: 11491613.2/98



Right In: -0.007+/-0.016 χ^2/NDF: 20.0/23

Left Out: 0.003+/-0.012 χ^2/NDF:29.9/23

Right Out: 0.001+/-0.017 χ^2/NDF: 16.5/27

Left In: -0.006+/-0.012 χ^2/NDF:21.6/22

Left: -0.002+/-0.008 χ^2/NDF: 51.8/46

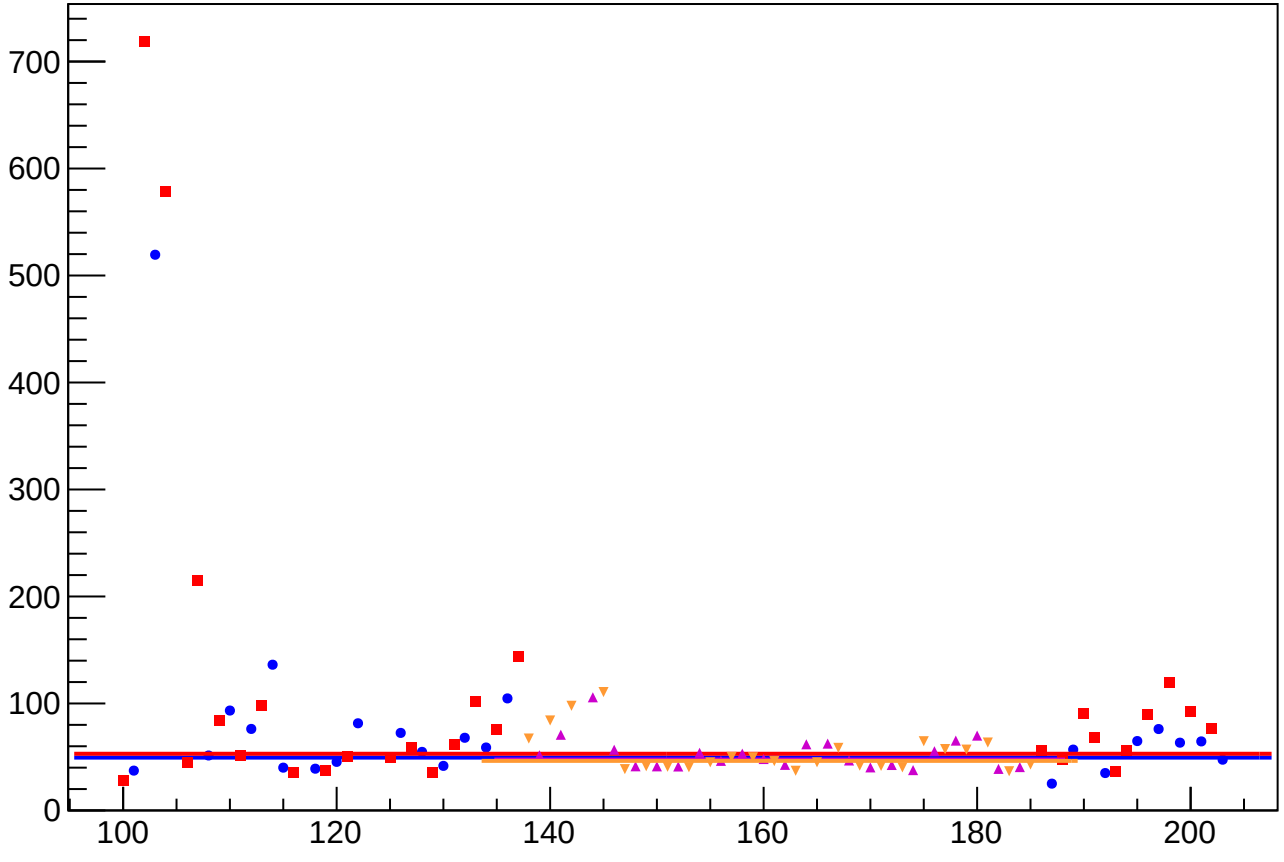
Right: -0.003+/-0.012 χ^2/NDF: 36.5/51

In: -0.007+/-0.010 χ^2/NDF:41.6/46

Out: 0.002+/-0.010 χ^2/NDF:46.4/51

All: -0.002+/-0.007 χ^2/NDF: 88.3/98

asym_usl_atl1_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 49.403+/-0.011 χ^2/NDF: 3208393.6/23

Left Out: 46.353+/-0.008 χ^2/NDF:1967753.2/23

Right Out: 52.990+/-0.012 χ^2/NDF: 4518509.5/27

Left In: 47.575+/-0.009 χ^2/NDF:1576196.2/22

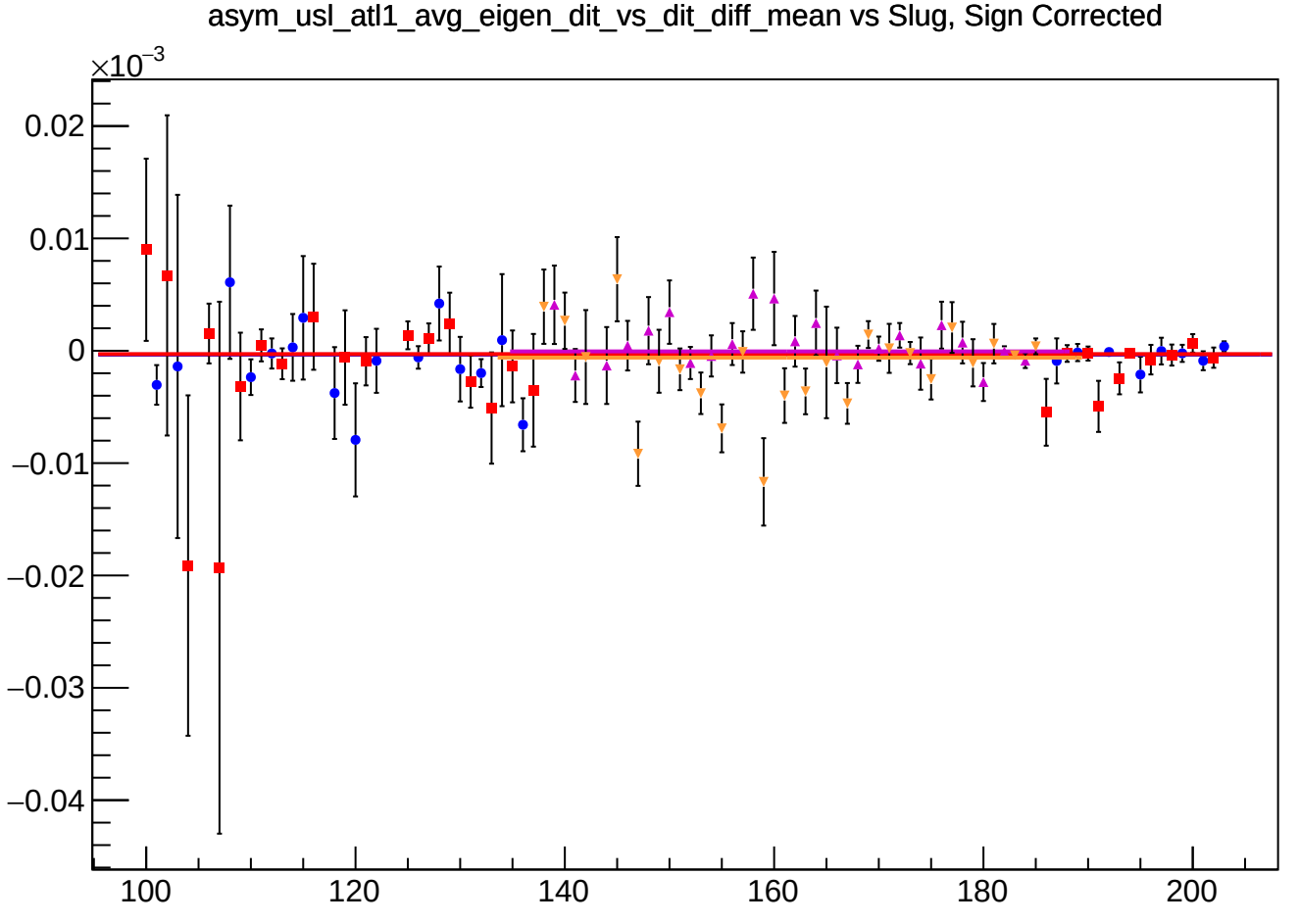
Left: 46.952+/-0.006 χ^2/NDF: 3554287.7/46

Right: 51.096+/-0.008 χ^2/NDF: 7773538.6/51

In: 48.235+/-0.007 χ^2/NDF:4800991.9/46

Out: 48.522+/-0.007 χ^2/NDF:6689750.6/51

All: 48.378+/-0.005 χ^2/NDF: 11491613.2/98



Right In: -0.000+/-0.000 χ^2/NDF: 24.0/23

Left Out: -0.000+/-0.000 χ^2/NDF:54.0/23

Right Out: -0.000+/-0.000 χ^2/NDF: 23.4/27

Left In: -0.000+/-0.000 χ^2/NDF:17.9/22

Left: -0.000+/-0.000 χ^2/NDF: 73.8/46

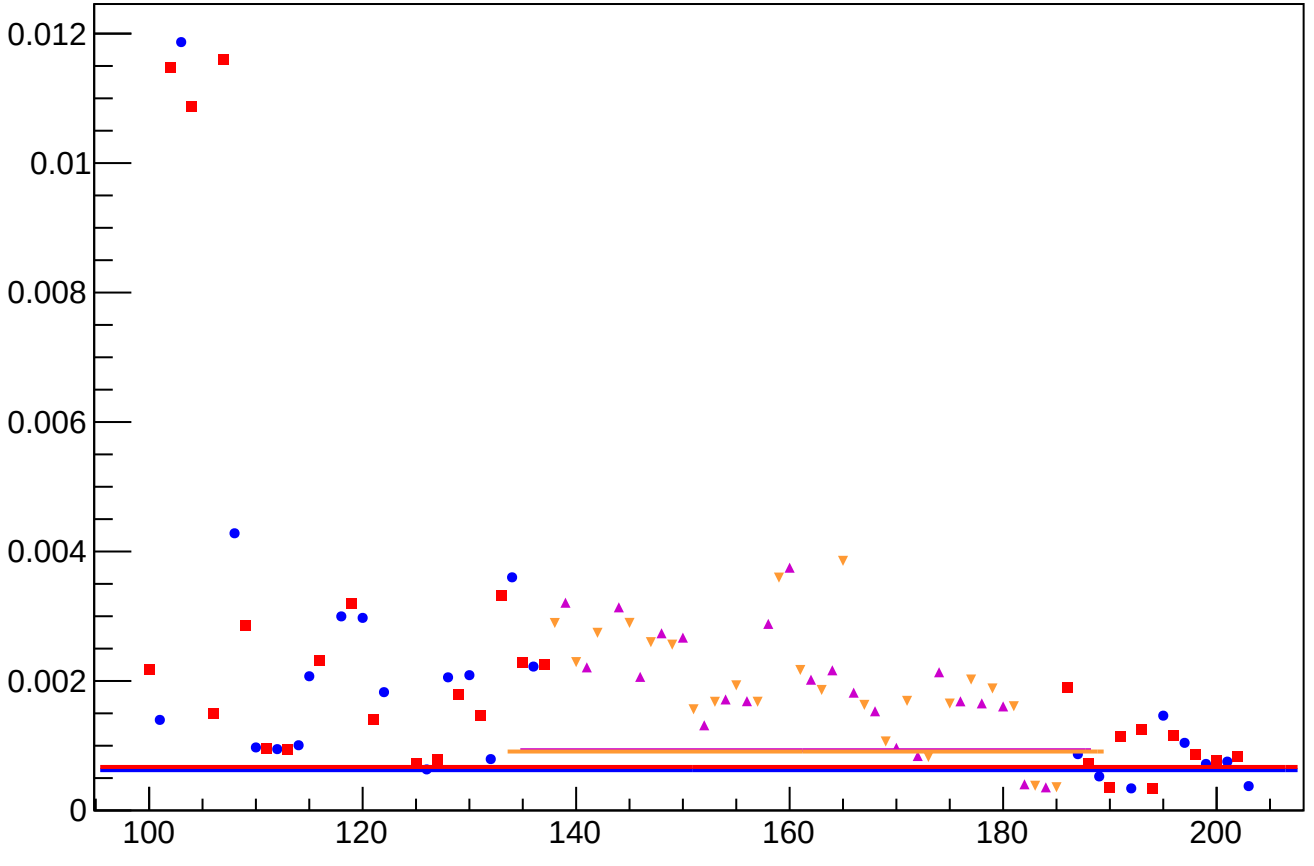
Right: -0.000+/-0.000 χ^2/NDF: 47.4/51

In: -0.000+/-0.000 χ^2/NDF:42.5/46

Out: -0.000+/-0.000 χ^2/NDF:78.0/51

All: -0.000+/-0.000 χ^2/NDF: 121.2/98

asym_usl_atl1_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.001+/-0.000 χ^2/NDF: 8766119.2/23

Left Out: 0.001+/-0.000 χ^2/NDF:14137356.3/23

Right Out: 0.001+/-0.000 χ^2/NDF: 9696586.8/27

Left In: 0.001+/-0.000 χ^2/NDF:13690985.6/22

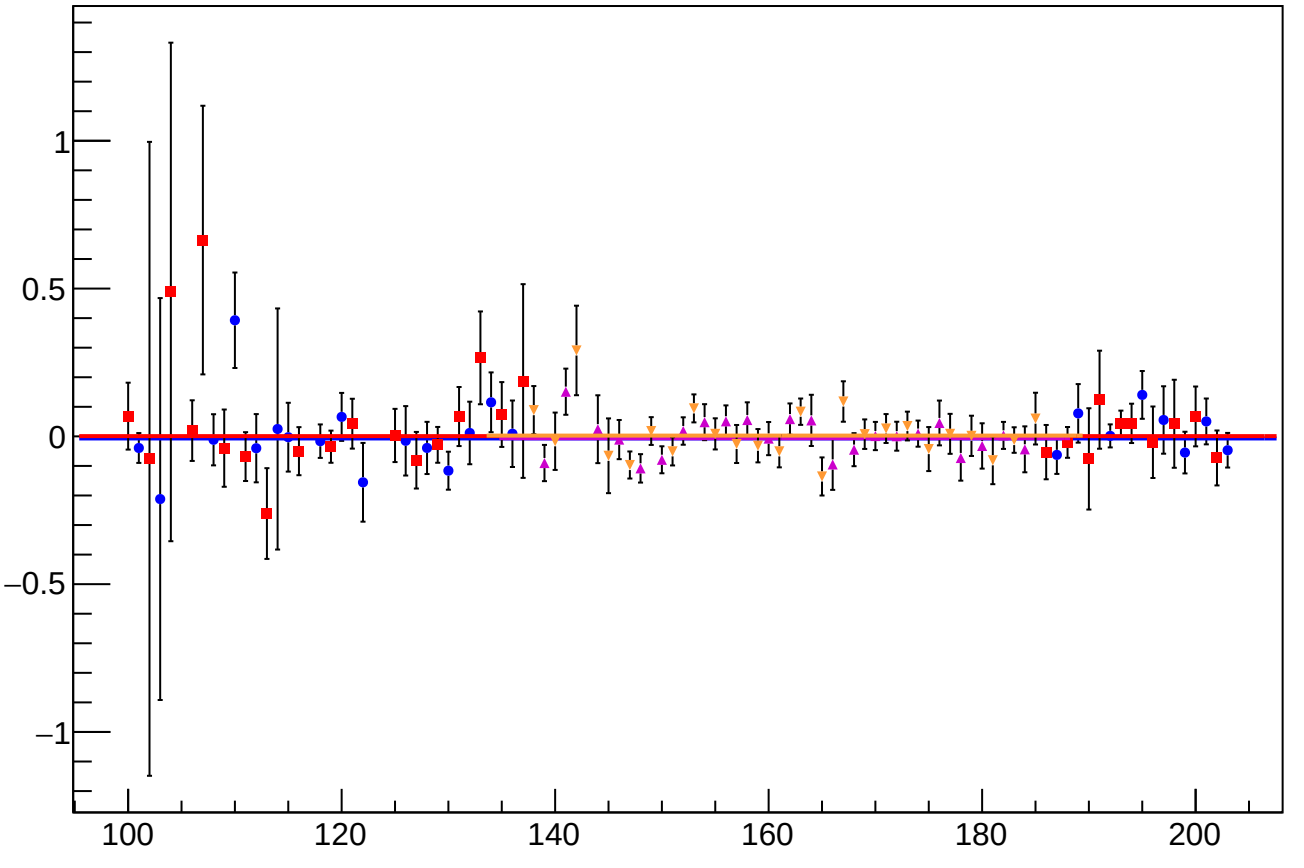
Left: 0.001+/-0.000 χ^2/NDF: 27833708.7/46

Right: 0.001+/-0.000 χ^2/NDF: 18512164.8/51

In: 0.001+/-0.000 χ^2/NDF:23944380.8/46

Out: 0.001+/-0.000 χ^2/NDF:24722763.2/51

All: 0.001+/-0.000 χ^2/NDF: 48691486.3/98



Right In: -0.007+/-0.016 χ^2/NDF: 19.9/23

Left Out: 0.003+/-0.012 χ^2/NDF:29.9/23

Right Out: 0.001+/-0.017 χ^2/NDF: 16.5/27

Left In: -0.006+/-0.012 χ^2/NDF:21.6/22

Left: -0.002+/-0.008 χ^2/NDF: 51.8/46

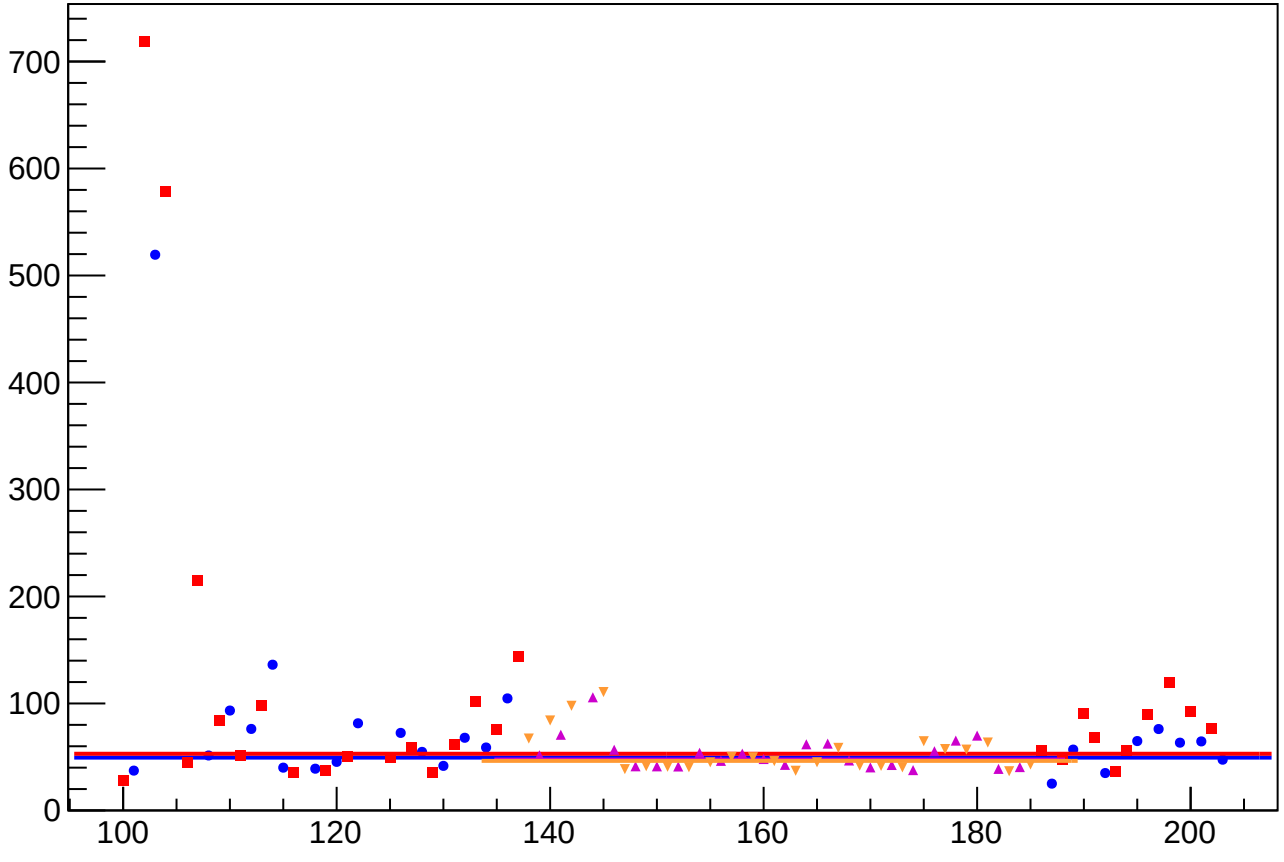
Right: -0.003+/-0.012 χ^2/NDF: 36.5/51

In: -0.007+/-0.010 χ^2/NDF:41.6/46

Out: 0.002+/-0.010 χ^2/NDF:46.4/51

All: -0.002+/-0.007 χ^2/NDF: 88.3/98

asym_usl_atl1_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 49.403+/-0.011 χ^2/NDF: 3208395.7/23

Left Out: 46.354+/-0.008 χ^2/NDF:1967741.3/23

Right Out: 52.990+/-0.012 χ^2/NDF: 4518523.7/27

Left In: 47.575+/-0.009 χ^2/NDF:1576204.5/22

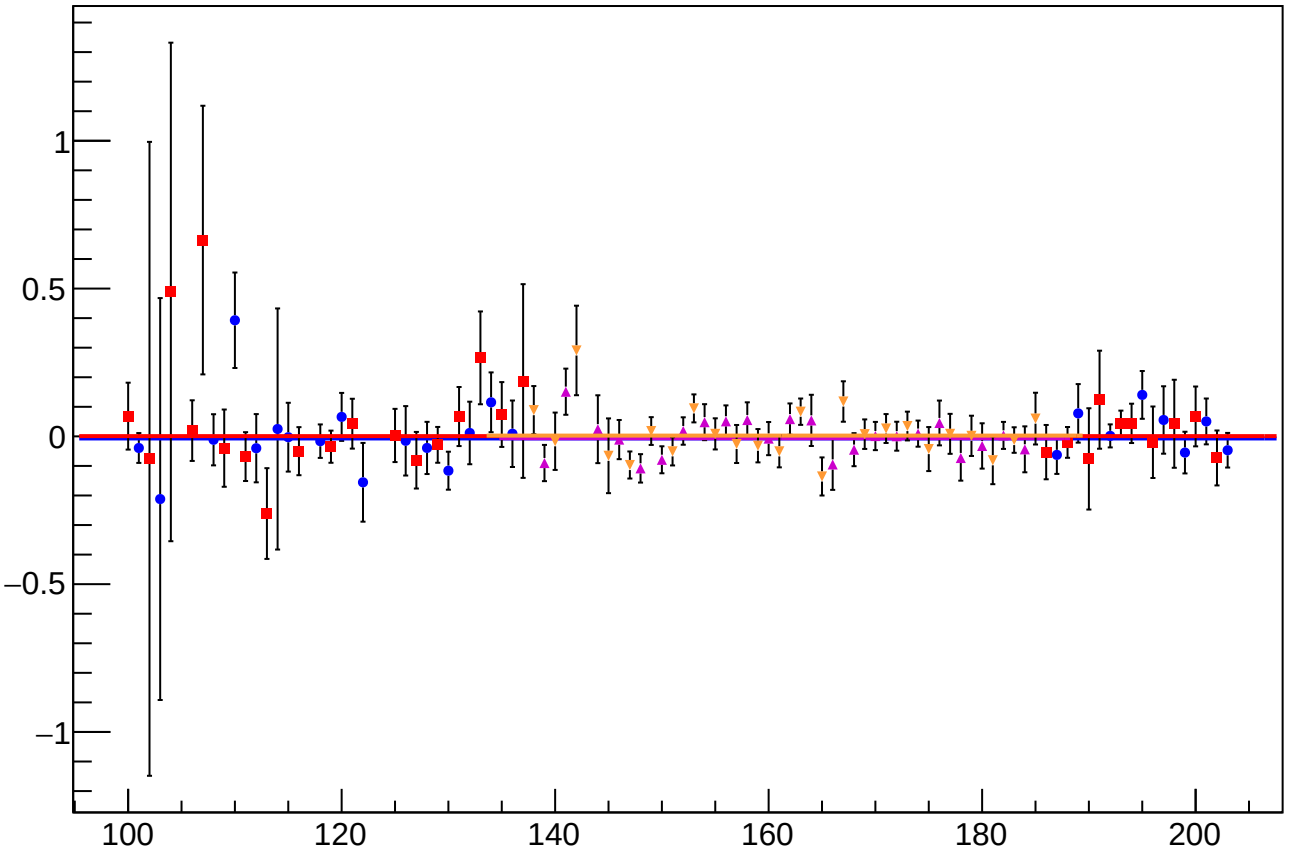
Left: 46.952+/-0.006 χ^2/NDF: 3554282.4/46

Right: 51.096+/-0.008 χ^2/NDF: 7773549.9/51

In: 48.235+/-0.007 χ^2/NDF:4801000.0/46

Out: 48.522+/-0.007 χ^2/NDF:6689727.1/51

All: 48.378+/-0.005 χ^2/NDF: 11491597.9/98



Right In: -0.007+/-0.016 χ^2/NDF: 19.9/23

Left Out: 0.003+/-0.012 χ^2/NDF:29.9/23

Right Out: 0.001+/-0.017 χ^2/NDF: 16.5/27

Left In: -0.006+/-0.012 χ^2/NDF:21.6/22

Left: -0.002+/-0.008 χ^2/NDF: 51.8/46

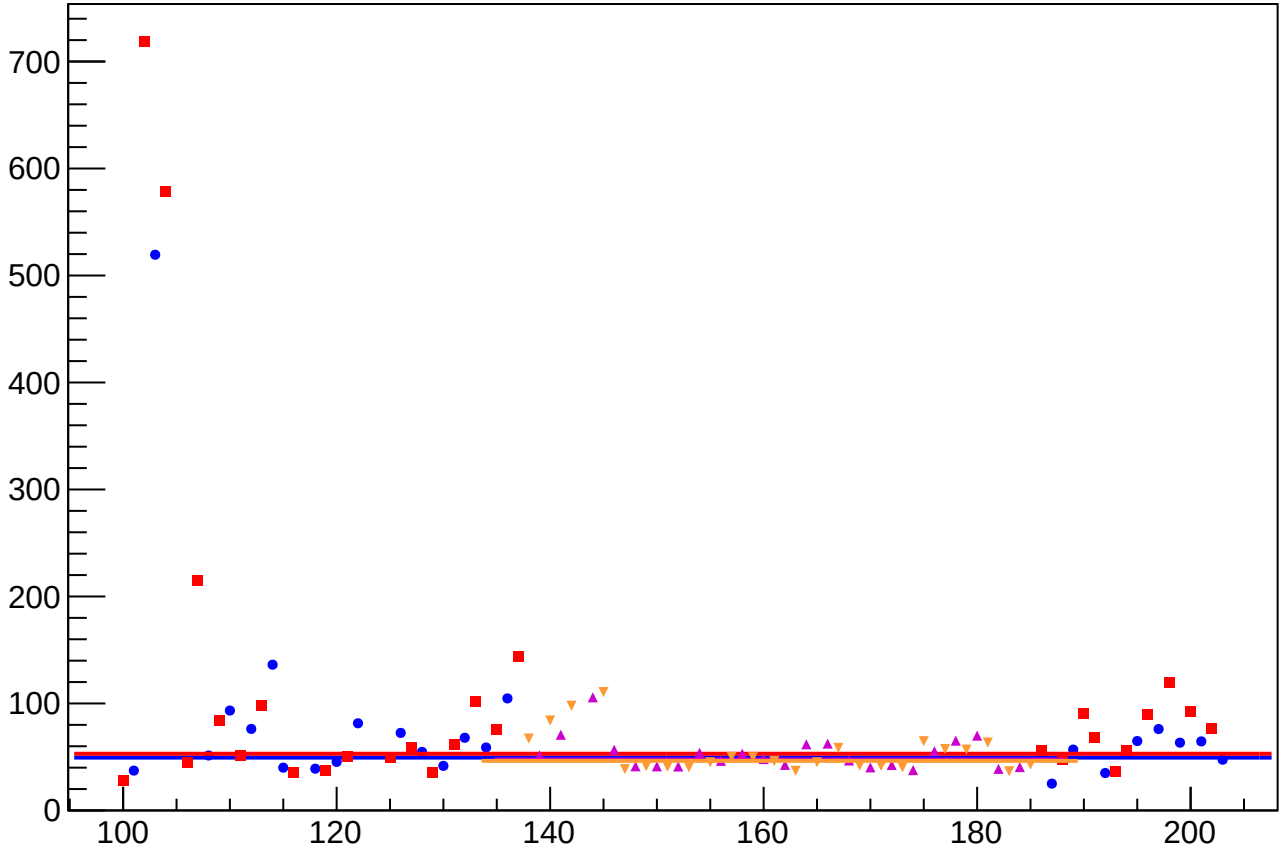
Right: -0.003+/-0.012 χ^2/NDF: 36.5/51

In: -0.007+/-0.010 χ^2/NDF:41.6/46

Out: 0.002+/-0.010 χ^2/NDF:46.4/51

All: -0.002+/-0.007 χ^2/NDF: 88.3/98

asym_usl_atl1_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 49.403+/-0.011 χ^2/NDF: 3208395.7/23

Left Out: 46.354+/-0.008 χ^2/NDF:1967741.3/23

Right Out: 52.990+/-0.012 χ^2/NDF: 4518523.7/27

Left In: 47.575+/-0.009 χ^2/NDF:1576204.5/22

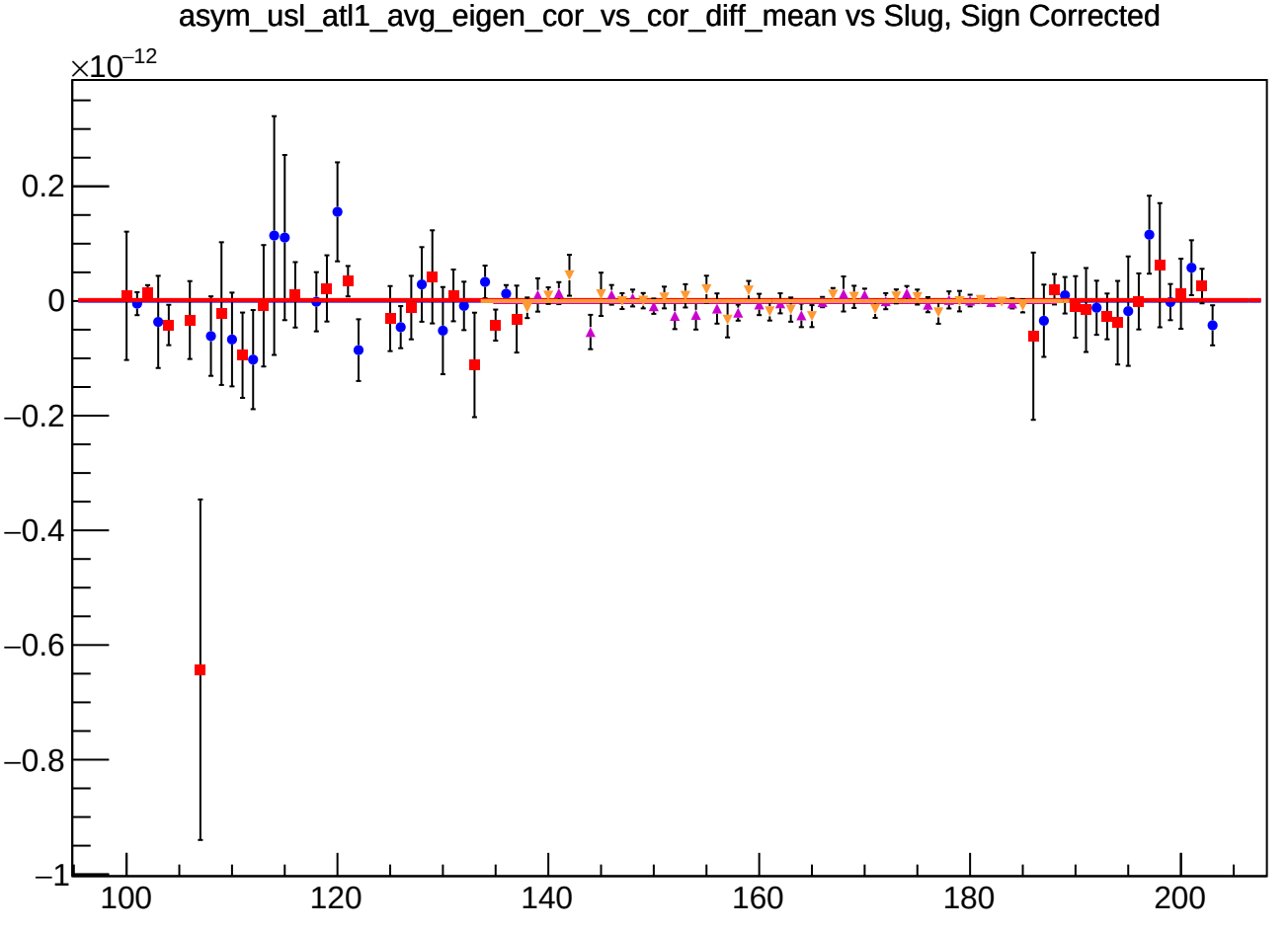
Left: 46.952+/-0.006 χ^2/NDF: 3554282.4/46

Right: 51.096+/-0.008 χ^2/NDF: 7773549.9/51

In: 48.235+/-0.007 χ^2/NDF:4801000.0/46

Out: 48.522+/-0.007 χ^2/NDF:6689727.1/51

All: 48.378+/-0.005 χ^2/NDF: 11491597.9/98



Right In: 0.000+/-0.000 χ^2/NDF: 20.4/23

Left Out: -0.000+/-0.000 χ^2/NDF:13.9/23

Right Out: 0.000+/-0.000 χ^2/NDF: 18.7/27

Left In: -0.000+/-0.000 χ^2/NDF:13.4/22

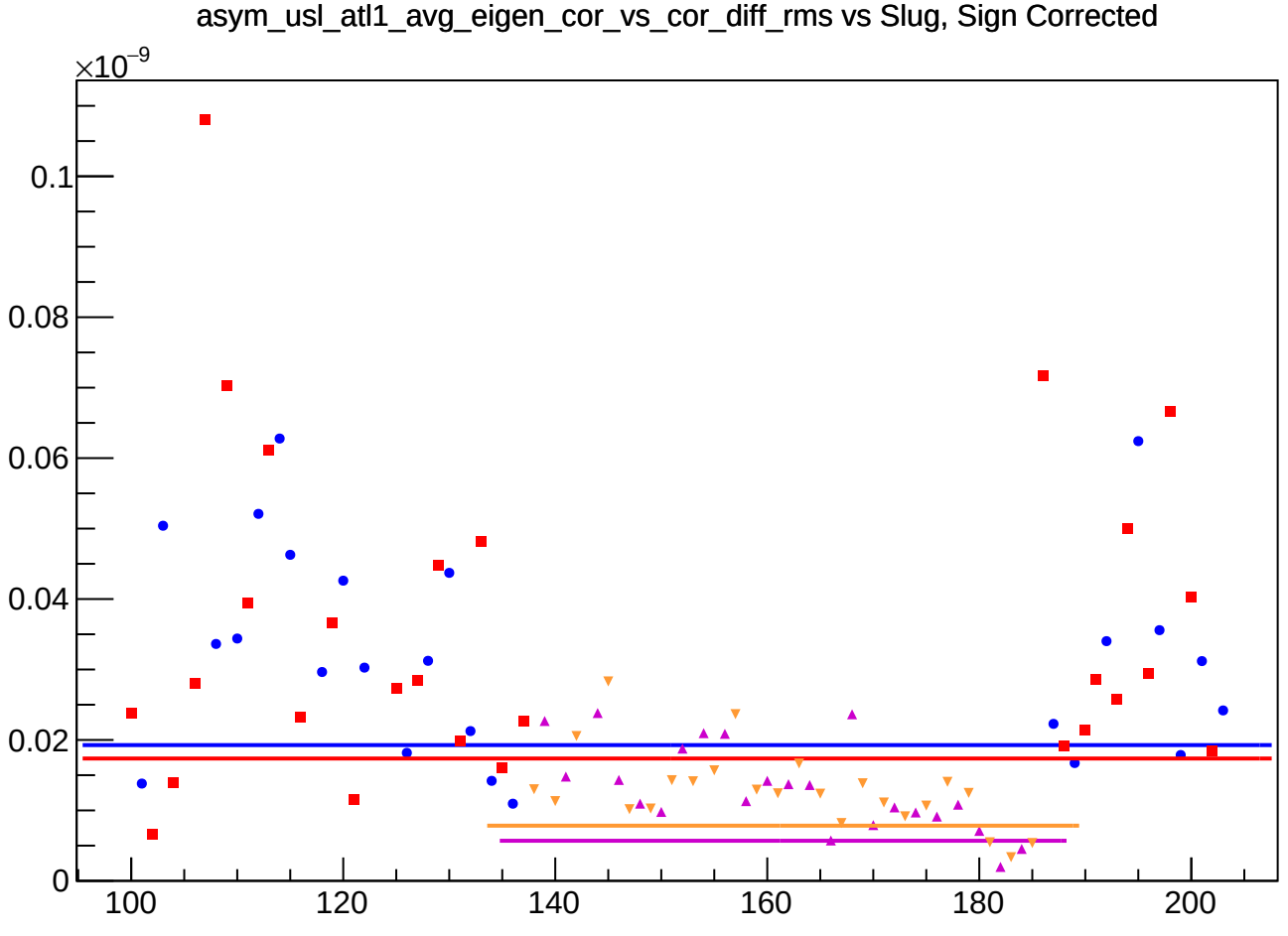
Left: -0.000+/-0.000 χ^2/NDF: 27.5/46

Right: 0.000+/-0.000 χ^2/NDF: 39.1/51

In: -0.000+/-0.000 χ^2/NDF:33.8/46

Out: 0.000+/-0.000 χ^2/NDF:32.6/51

All: -0.000+/-0.000 χ^2/NDF: 66.7/98



Right In: 0.000+/-0.000 χ^2/NDF: 3206131.8/23

Left Out: 0.000+/-0.000 χ^2/NDF:6422392.2/23

Right Out: 0.000+/-0.000 χ^2/NDF: 5126252.7/27

Left In: 0.000+/-0.000 χ^2/NDF:11199324.6/22

Left: 0.000+/-0.000 χ^2/NDF: 18452669.5/46

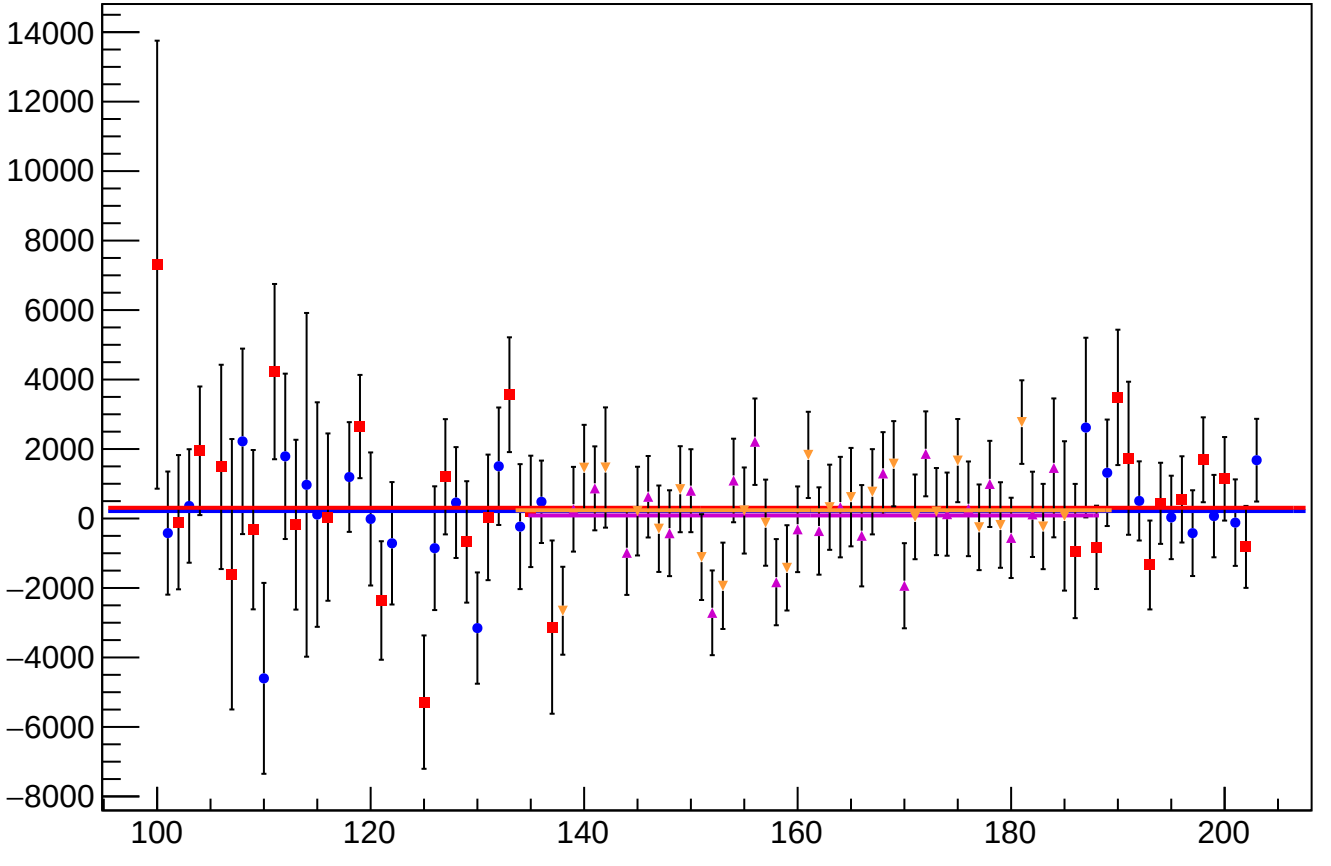
Right: 0.000+/-0.000 χ^2/NDF: 8391796.9/51

In: 0.000+/-0.000 χ^2/NDF:19782003.4/46

Out: 0.000+/-0.000 χ^2/NDF:14355431.3/51

All: 0.000+/-0.000 χ^2/NDF: 35102438.7/98

reg_asym_usl_atl1_dd_mean vs Slug, Sign Corrected



Right In: 214.357+/-324.476 χ^2/NDF: 13.7/23

Left Out: 236.601+/-259.669 χ^2/NDF:22.7/23

Right Out: 308.570+/-317.202 χ^2/NDF: 33.6/27

Left In: 88.380+/-261.602 χ^2/NDF:20.9/22

Left: 163.040+/-184.293 χ^2/NDF: 43.8/46

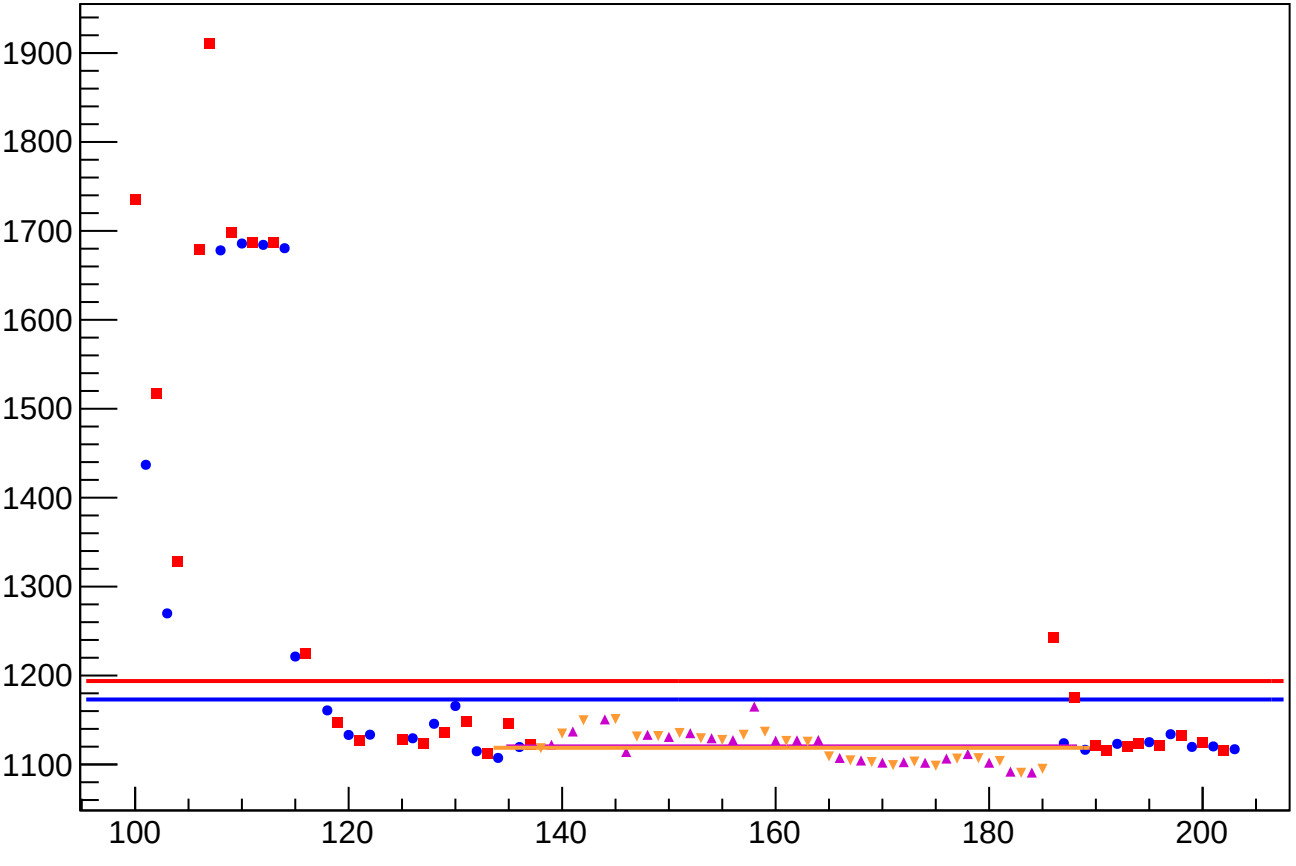
Right: 262.531+/-226.824 χ^2/NDF: 47.3/51

In: 138.008+/-203.657 χ^2/NDF:34.7/46

Out: 265.478+/-200.929 χ^2/NDF:56.3/51

All: 202.602+/-143.033 χ^2/NDF: 91.2/98

reg_asym_usl_atl1_dd_rms vs Slug, Sign Corrected



Right In: 1173.055+/-0.229 χ^2/NDF: 343825.6/23

Left Out: 1118.733+/-0.184 χ^2/NDF:8205.0/23

Right Out: 1193.796+/-0.224 χ^2/NDF: 528216.0/27

Left In: 1120.308+/-0.185 χ^2/NDF:9479.7/22

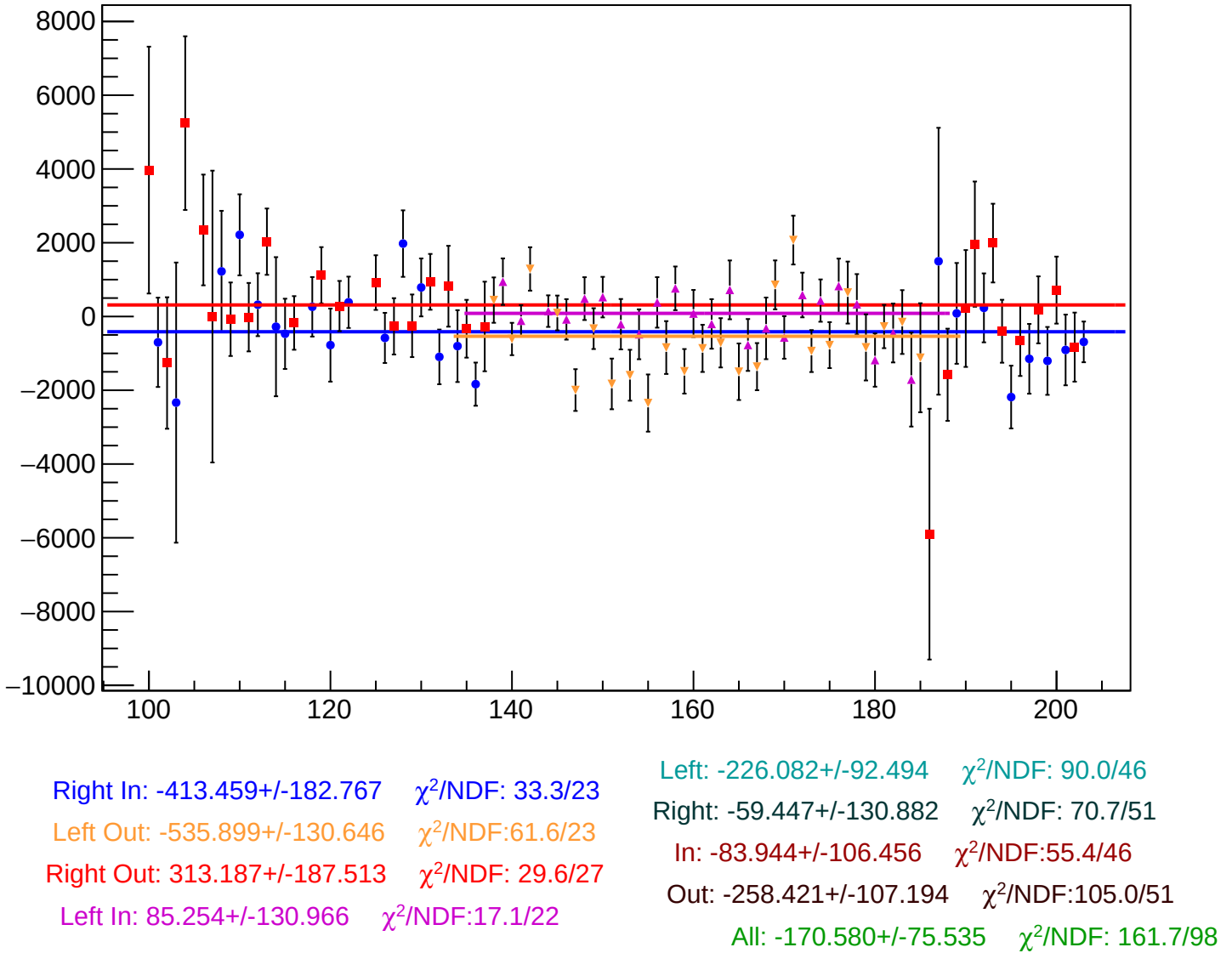
Left: 1119.515+/-0.130 χ^2/NDF: 17721.2/46

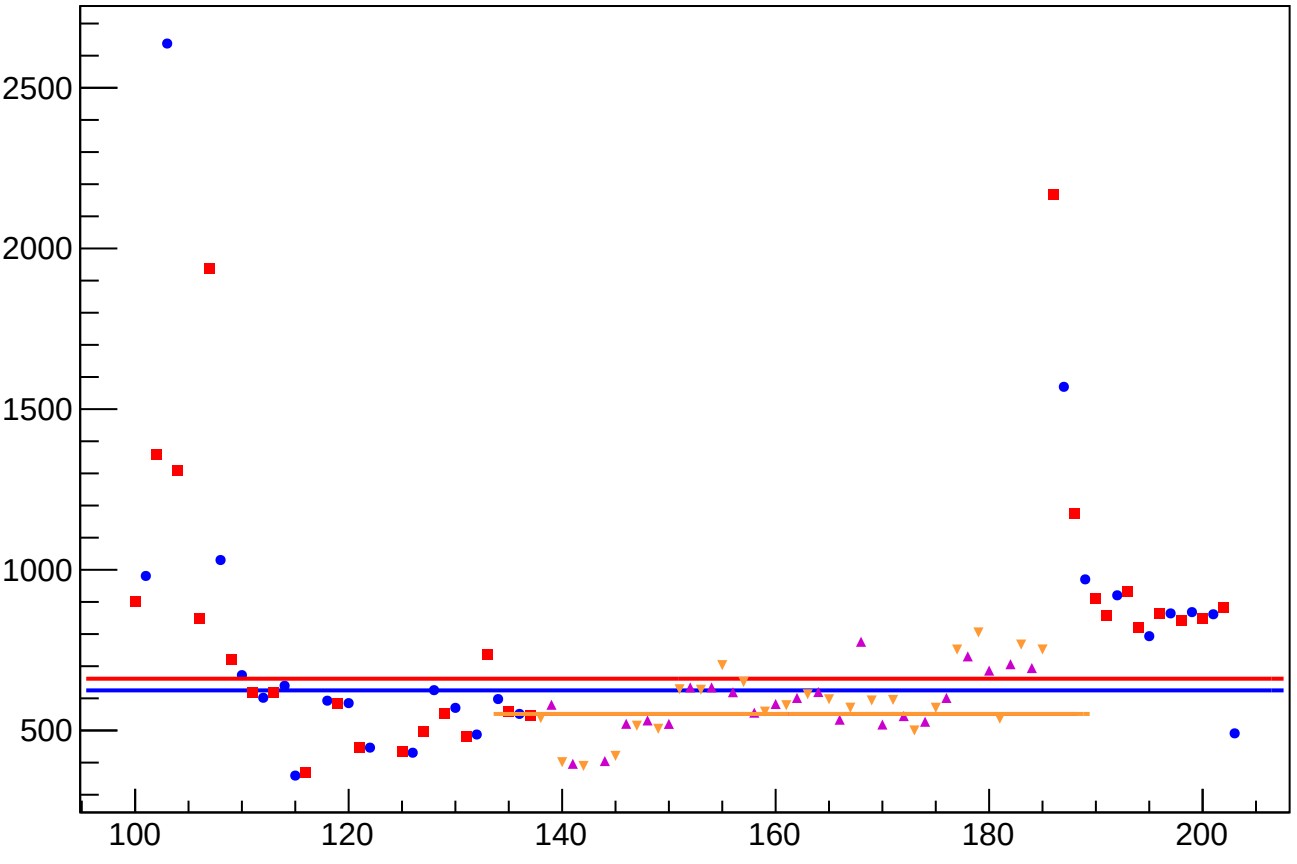
Right: 1183.661+/-0.160 χ^2/NDF: 876220.0/51

In: 1141.088+/-0.144 χ^2/NDF:385336.9/46

Out: 1148.852+/-0.142 χ^2/NDF:603479.2/51

All: 1145.022+/-0.101 χ^2/NDF: 990289.1/98


asym_usl_atl1_dd_reg_correction_mean vs Slug, Sign Corrected
8000
6000
4000
2000
0
−2000
−4000
−6000
−8000
−10000
100
120
140
160
180
200
Right In: -413.459+/-182.767 χ²/NDF: 33.3/23
Left Out: -535.899+/-130.646 χ²/NDF:61.6/23
Right Out: 313.187+/-187.513 χ²/NDF: 29.6/27
Left In: 85.254+/-130.966 χ²/NDF:17.1/22
Left: -226.082+/-92.494 χ²/NDF: 90.0/46
Right: -59.447+/-130.882 χ²/NDF: 70.7/51
In: -83.944+/-106.456 χ²/NDF:55.4/46
Out: -258.421+/-107.194 χ²/NDF:105.0/51
All: -170.580+/-75.535 χ²/NDF: 161.7/98



Right In: 624.738+/-0.129 χ^2/NDF: 2479336.4/23

Left Out: 551.440+/-0.092 χ^2/NDF:1226616.4/23

Right Out: 661.117+/-0.133 χ^2/NDF: 3127364.7/27

Left In: 551.336+/-0.093 χ^2/NDF:1061764.2/22

Left: 551.388+/-0.065 χ^2/NDF: 2288381.2/46

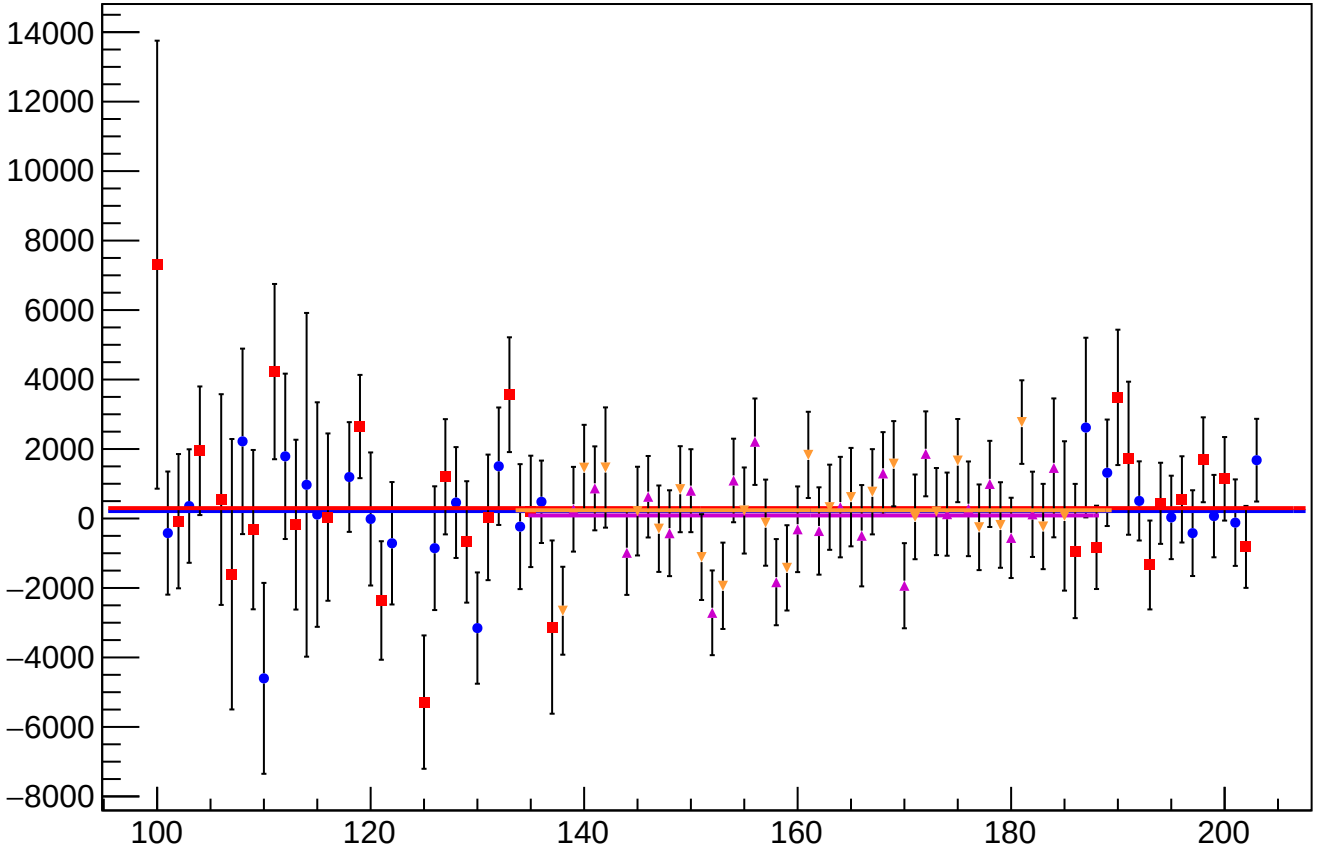
Right: 642.462+/-0.093 χ^2/NDF: 5645304.8/51

In: 576.239+/-0.075 χ^2/NDF:3754245.1/46

Out: 587.282+/-0.076 χ^2/NDF:4814607.3/51

All: 581.722+/-0.053 χ^2/NDF: 8579538.6/98

cor_asym_usl_atl1_dd_mean vs Slug, Sign Corrected



Right In: 214.190+/-324.476 χ^2/NDF: 13.7/23

Left Out: 236.642+/-259.669 χ^2/NDF:22.7/23

Right Out: 298.263+/-317.314 χ^2/NDF: 33.4/27

Left In: 88.370+/-261.602 χ^2/NDF:20.9/22

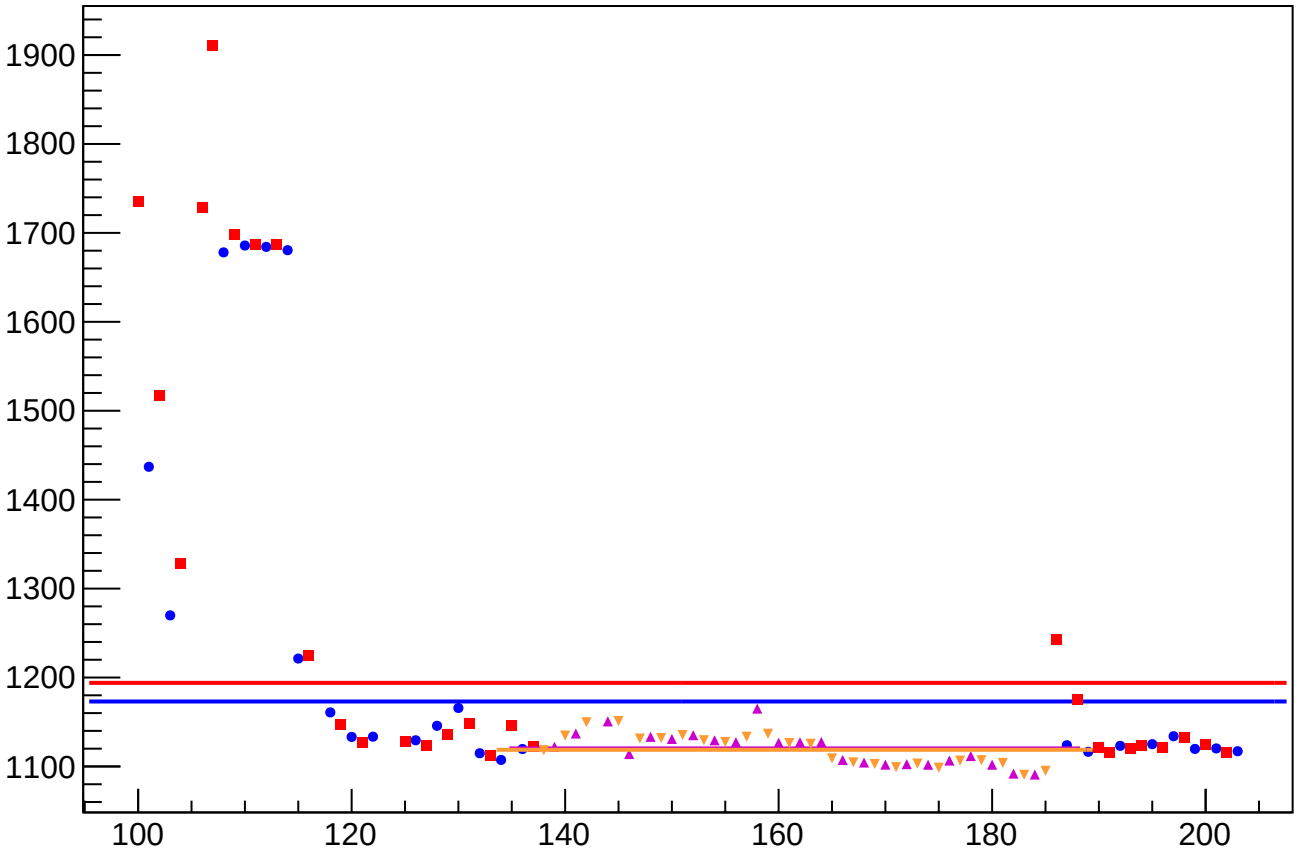
Left: 163.056+/-184.293 χ^2/NDF: 43.8/46

Right: 257.164+/-226.865 χ^2/NDF: 47.2/51

In: 137.936+/-203.657 χ^2/NDF:34.7/46

Out: 261.357+/-200.958 χ^2/NDF:56.1/51

All: 200.469+/-143.043 χ^2/NDF: 91.0/98



Right In: 1173.056+/-0.229 χ^2/NDF: 343825.7/23

Left Out: 1118.733+/-0.184 χ^2/NDF:8205.0/23

Right Out: 1194.005+/-0.224 χ^2/NDF: 536034.4/27

Left In: 1120.308+/-0.185 χ^2/NDF:9479.7/22

Left: 1119.515+/-0.130 χ^2/NDF: 17721.2/46

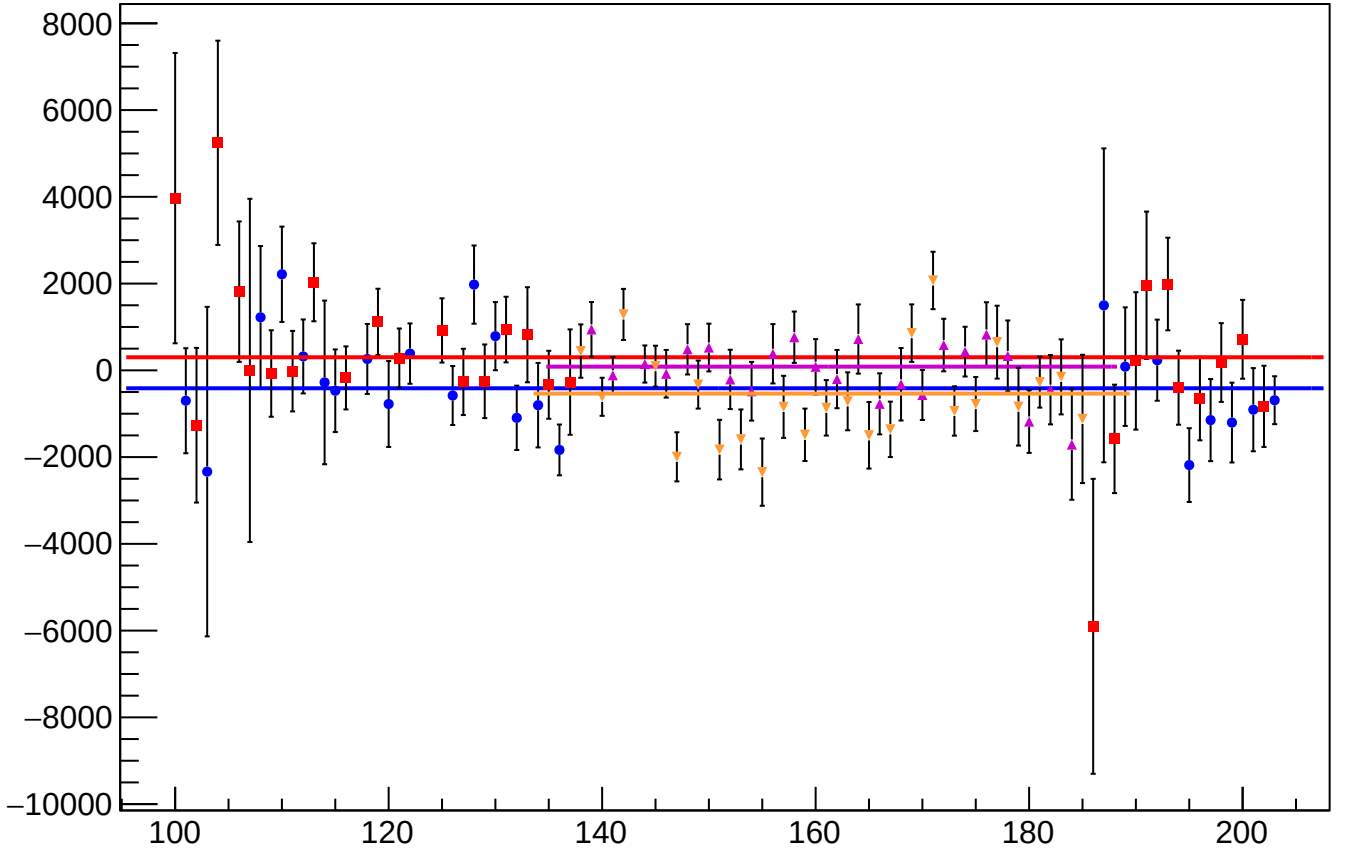
Right: 1183.764+/-0.160 χ^2/NDF: 884121.5/51

In: 1141.088+/-0.144 χ^2/NDF:385336.9/46

Out: 1148.923+/-0.142 χ^2/NDF:611642.3/51

All: 1145.058+/-0.101 χ^2/NDF: 998479.2/98

asym_usl_atl1_dd_cor_correction_mean vs Slug, Sign Corrected



Right In: -413.443+/-182.766 χ^2/NDF: 33.3/23

Left Out: -535.930+/-130.646 χ^2/NDF:61.6/23

Right Out: 301.594+/-187.717 χ^2/NDF: 28.7/27

Left In: 85.243+/-130.966 χ^2/NDF:17.1/22

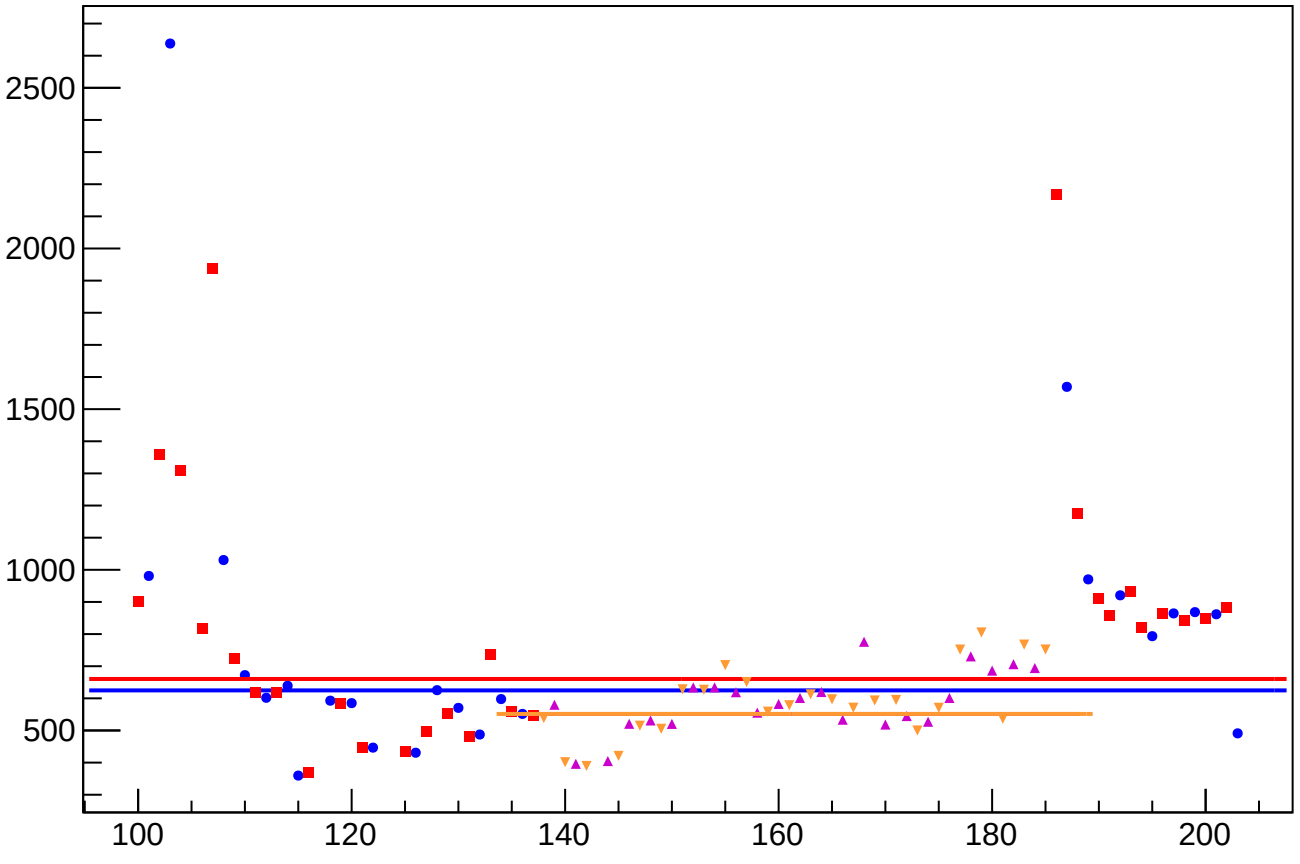
Left: -226.102+/-92.493 χ^2/NDF: 90.0/46

Right: -65.478+/-130.950 χ^2/NDF: 69.5/51

In: -83.947+/-106.456 χ^2/NDF:55.4/46

Out: -262.631+/-107.232 χ^2/NDF:103.7/51

All: -172.640+/-75.548 χ^2/NDF: 160.4/98



Right In: 624.733+/-0.129 χ^2/NDF: 2479354.3/23

Left Out: 551.439+/-0.092 χ^2/NDF:1226632.2/23

Right Out: 660.288+/-0.133 χ^2/NDF: 3115214.7/27

Left In: 551.335+/-0.093 χ^2/NDF:1061731.9/22

Left: 551.388+/-0.065 χ^2/NDF: 2288364.7/46

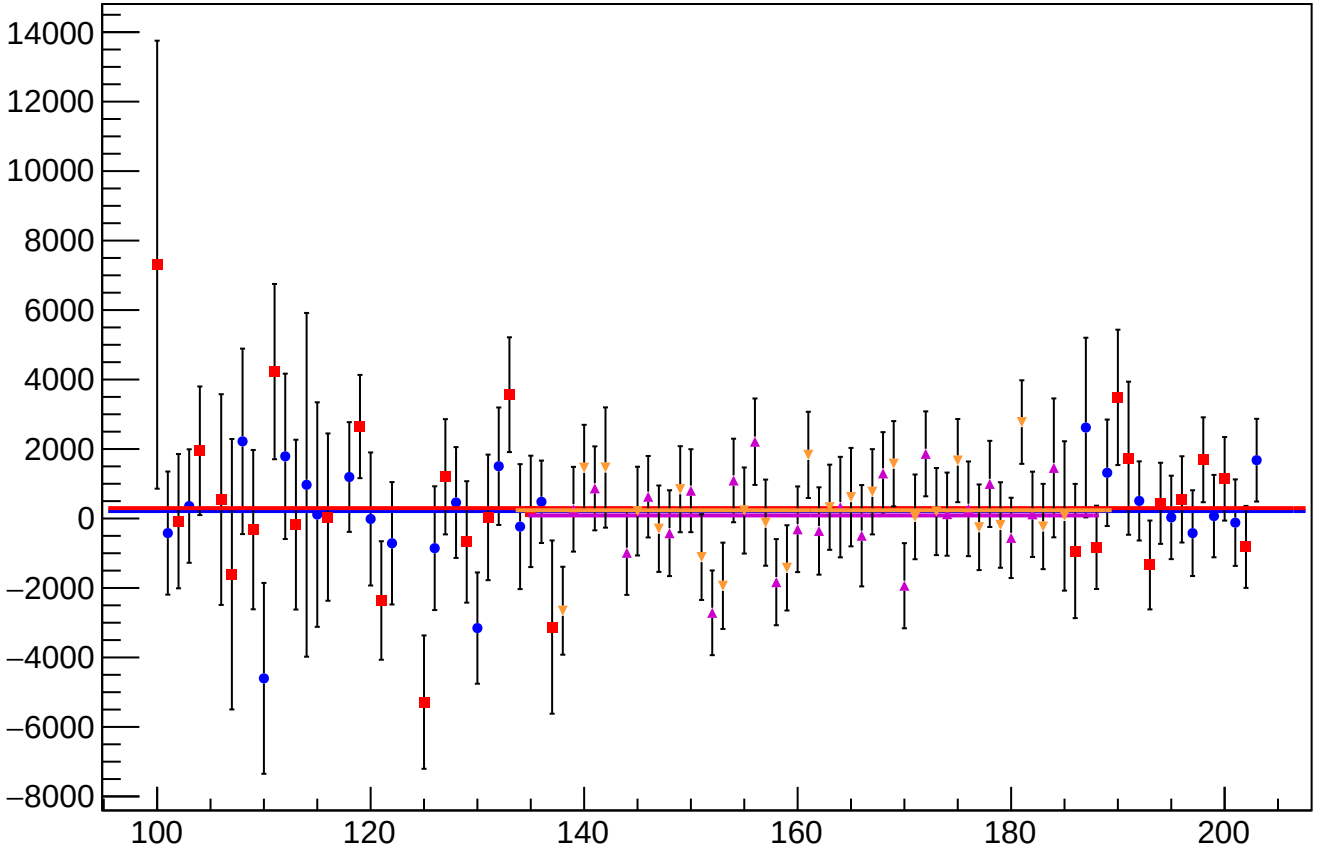
Right: 642.036+/-0.093 χ^2/NDF: 5631403.4/51

In: 576.237+/-0.075 χ^2/NDF:3754206.4/46

Out: 586.959+/-0.076 χ^2/NDF:4794875.2/51

All: 581.559+/-0.053 χ^2/NDF: 8559151.2/98

eigen_cor_asym_usl_atl1_dd_mean vs Slug, Sign Corrected



Right In: 214.190+/-324.476 χ^2/NDF: 13.7/23

Left Out: 236.642+/-259.669 χ^2/NDF:22.7/23

Right Out: 298.263+/-317.314 χ^2/NDF: 33.4/27

Left In: 88.370+/-261.602 χ^2/NDF:20.9/22

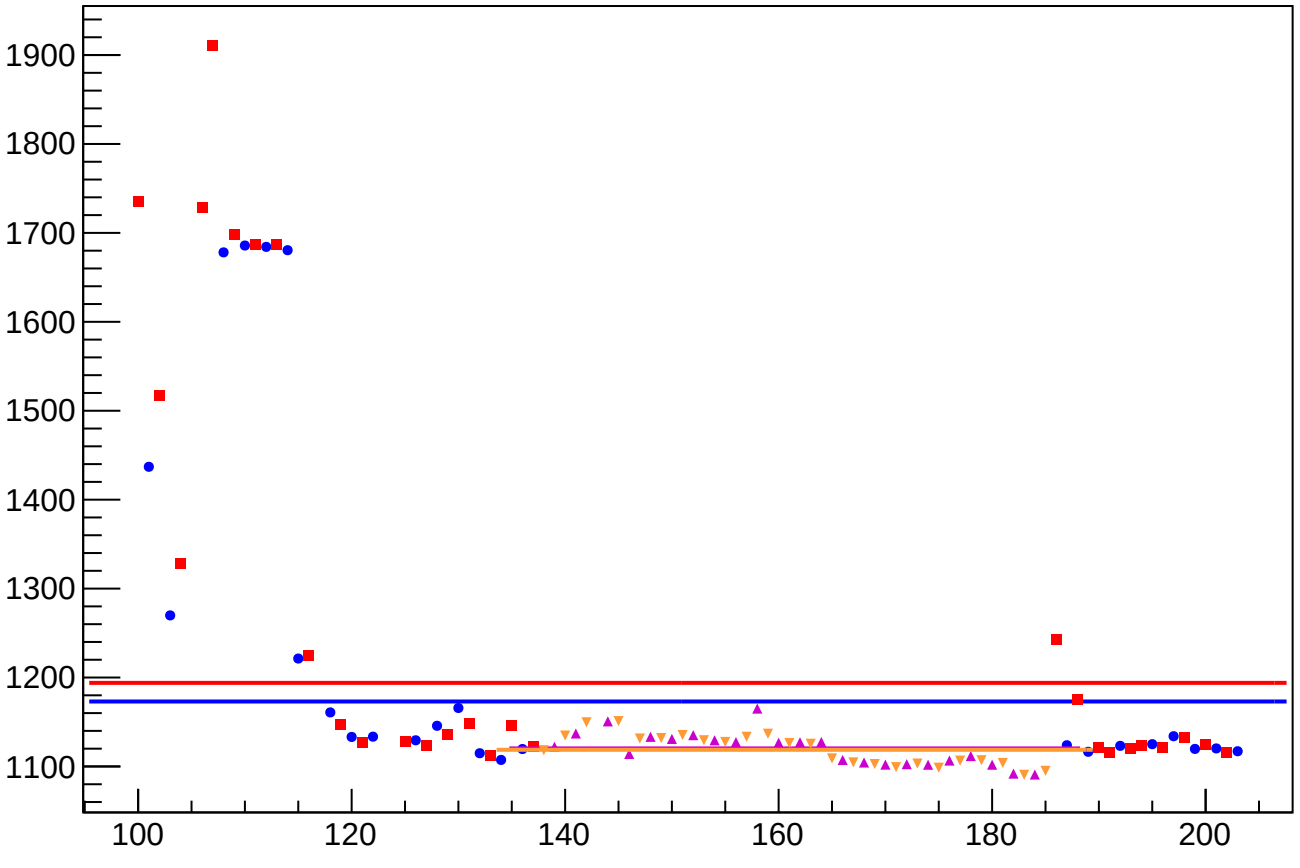
Left: 163.056+/-184.293 χ^2/NDF: 43.8/46

Right: 257.164+/-226.865 χ^2/NDF: 47.2/51

In: 137.936+/-203.657 χ^2/NDF:34.7/46

Out: 261.357+/-200.958 χ^2/NDF:56.1/51

All: 200.469+/-143.043 χ^2/NDF: 91.0/98



Right In: 1173.056+/-0.229 χ^2/NDF: 343825.7/23

Left Out: 1118.733+/-0.184 χ^2/NDF:8205.0/23

Right Out: 1194.005+/-0.224 χ^2/NDF: 536034.4/27

Left In: 1120.308+/-0.185 χ^2/NDF:9479.7/22

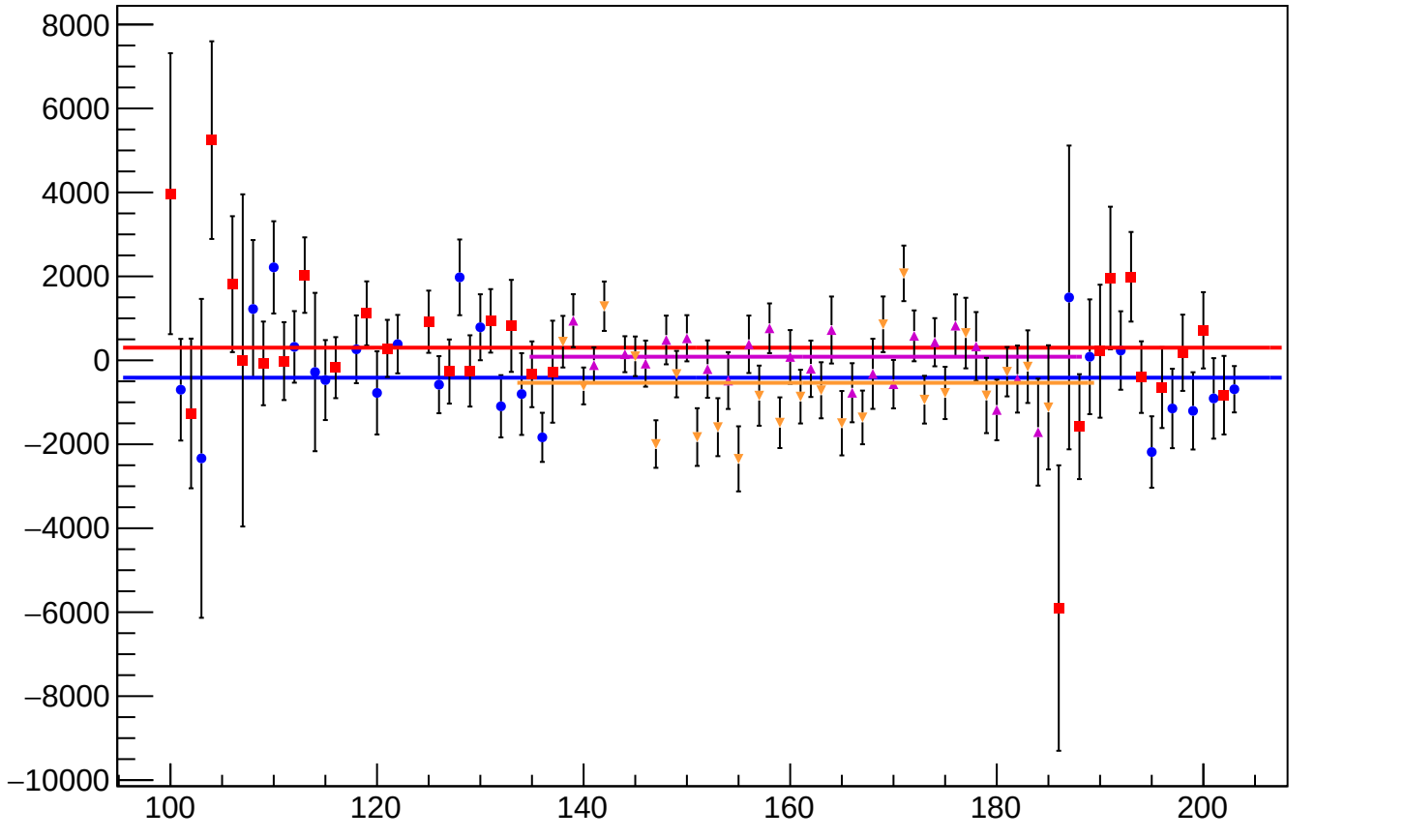
Left: 1119.515+/-0.130 χ^2/NDF: 17721.2/46

Right: 1183.764+/-0.160 χ^2/NDF: 884121.5/51

In: 1141.088+/-0.144 χ^2/NDF:385336.9/46

Out: 1148.923+/-0.142 χ^2/NDF:611642.3/51

All: 1145.058+/-0.101 χ^2/NDF: 998479.2/98



Right In: -413.443+/-182.766 χ^2/NDF: 33.3/23

Left Out: -535.930+/-130.646 χ^2/NDF:61.6/23

Right Out: 301.594+/-187.717 χ^2/NDF: 28.7/27

Left In: 85.243+/-130.966 χ^2/NDF:17.1/22

Left: -226.102+/-92.493 χ^2/NDF: 90.0/46

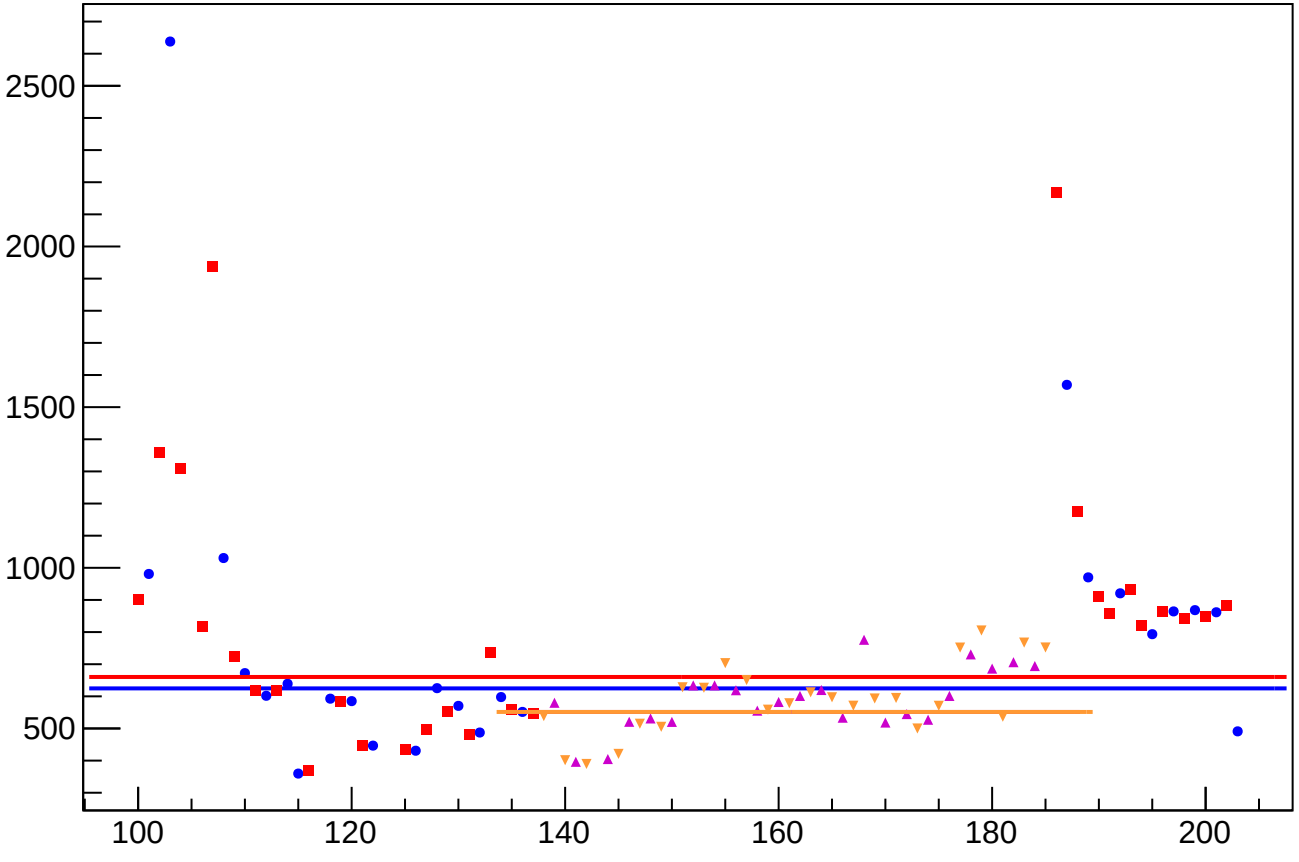
Right: -65.478+/-130.950 χ^2/NDF: 69.5/51

In: -83.947+/-106.456 χ^2/NDF:55.4/46

Out: -262.631+/-107.232 χ^2/NDF:103.7/51

All: -172.640+/-75.548 χ^2/NDF: 160.4/98

asym_usl_atl1_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 624.733+/-0.129 χ^2/NDF: 2479354.3/23

Left Out: 551.439+/-0.092 χ^2/NDF:1226632.2/23

Right Out: 660.288+/-0.133 χ^2/NDF: 3115214.7/27

Left In: 551.335+/-0.093 χ^2/NDF:1061731.9/22

Left: 551.388+/-0.065 χ^2/NDF: 2288364.7/46

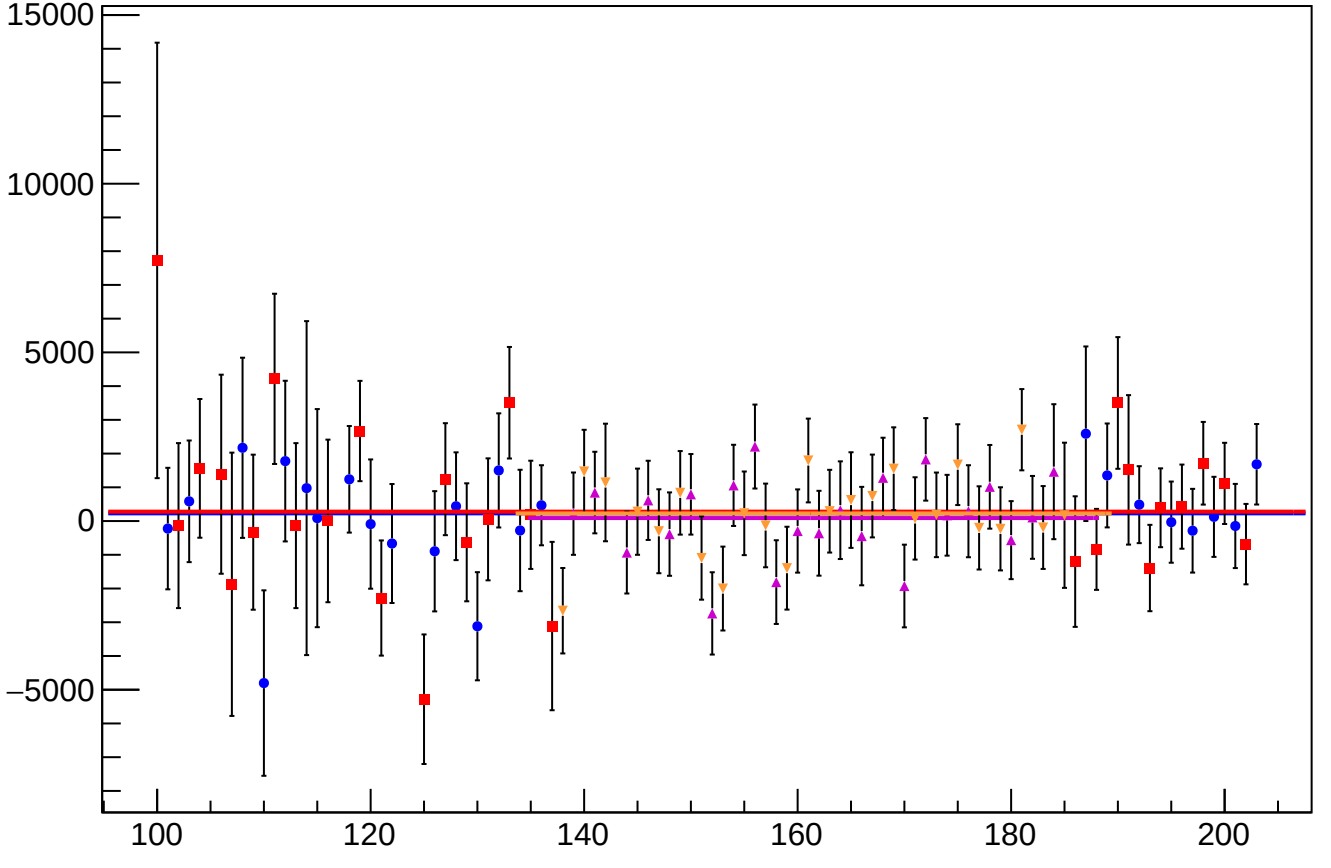
Right: 642.036+/-0.093 χ^2/NDF: 5631403.4/51

In: 576.237+/-0.075 χ^2/NDF:3754206.4/46

Out: 586.959+/-0.076 χ^2/NDF:4794875.2/51

All: 581.559+/-0.053 χ^2/NDF: 8559151.2/98

dit_asym_usl_atl1_dd_mean vs Slug, Sign Corrected



Right In: 228.195+/-326.249 χ^2/NDF: 13.8/23

Left Out: 225.663+/-259.829 χ^2/NDF:22.2/23

Right Out: 279.137+/-320.337 χ^2/NDF: 33.0/27

Left In: 89.078+/-261.717 χ^2/NDF:20.6/22

Left: 157.865+/-184.391 χ^2/NDF: 42.9/46

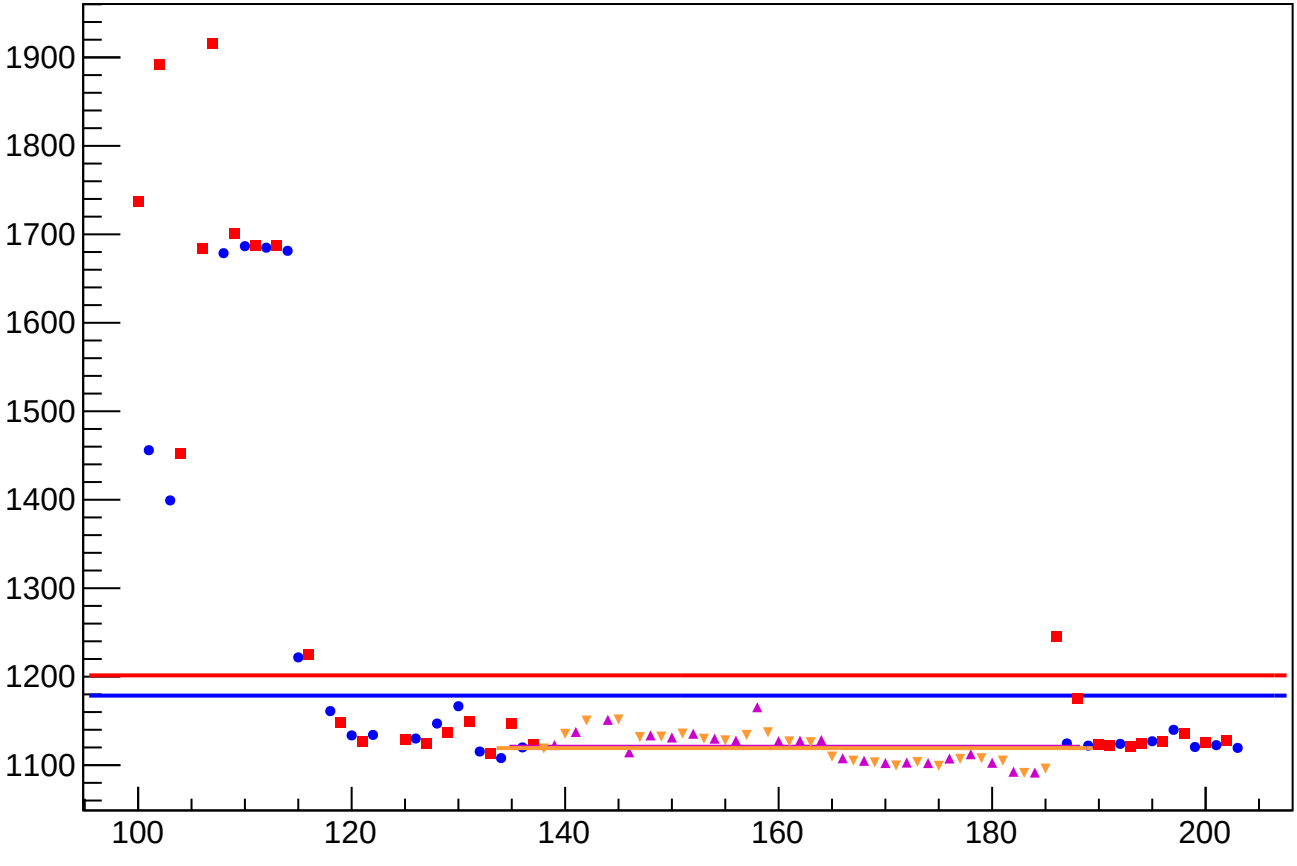
Right: 254.132+/-228.574 χ^2/NDF: 46.8/51

In: 143.550+/-204.147 χ^2/NDF:34.5/46

Out: 246.883+/-201.794 χ^2/NDF:55.2/51

All: 195.816+/-143.515 χ^2/NDF: 89.8/98

dit_asym_usl_atl1_dd_rms vs Slug, Sign Corrected



Right In: 1178.605+/-0.231 χ^2/NDF: 370508.6/23

Left Out: 1119.258+/-0.184 χ^2/NDF:8143.3/23

Right Out: 1201.474+/-0.227 χ^2/NDF: 652573.2/27

Left In: 1120.800+/-0.185 χ^2/NDF:9426.5/22

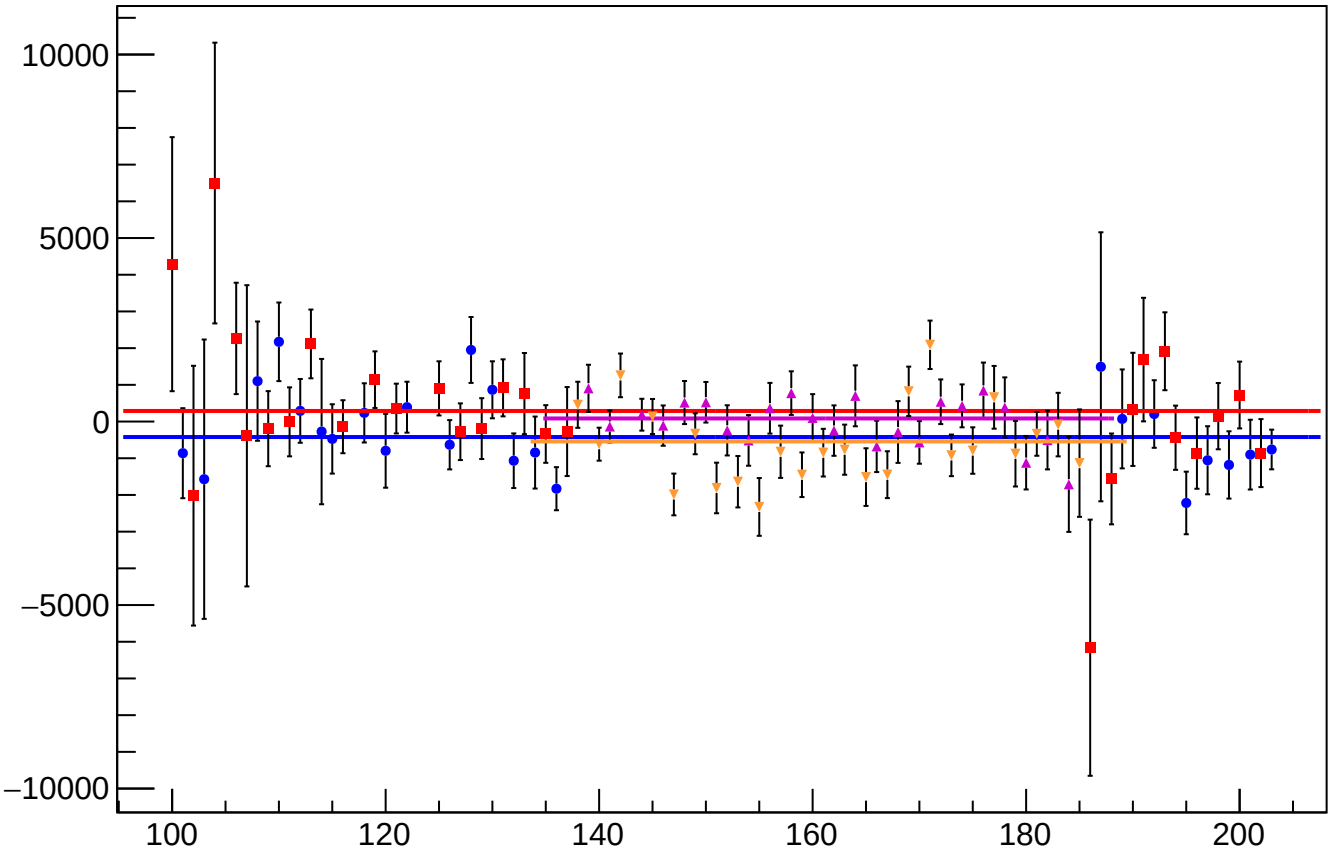
Left: 1120.024+/-0.130 χ^2/NDF: 17604.8/46

Right: 1190.249+/-0.162 χ^2/NDF: 1028085.5/51

In: 1143.434+/-0.144 χ^2/NDF:418136.7/46

Out: 1151.884+/-0.143 χ^2/NDF:740181.2/51

All: 1147.708+/-0.101 χ^2/NDF: 1160051.0/98



Right In: -422.155+/-181.931 χ^2/NDF: 33.5/23

Left Out: -541.592+/-132.012 χ^2/NDF:60.9/23

Right Out: 288.565+/-189.530 χ^2/NDF: 27.7/27

Left In: 84.122+/-132.548 χ^2/NDF:16.4/22

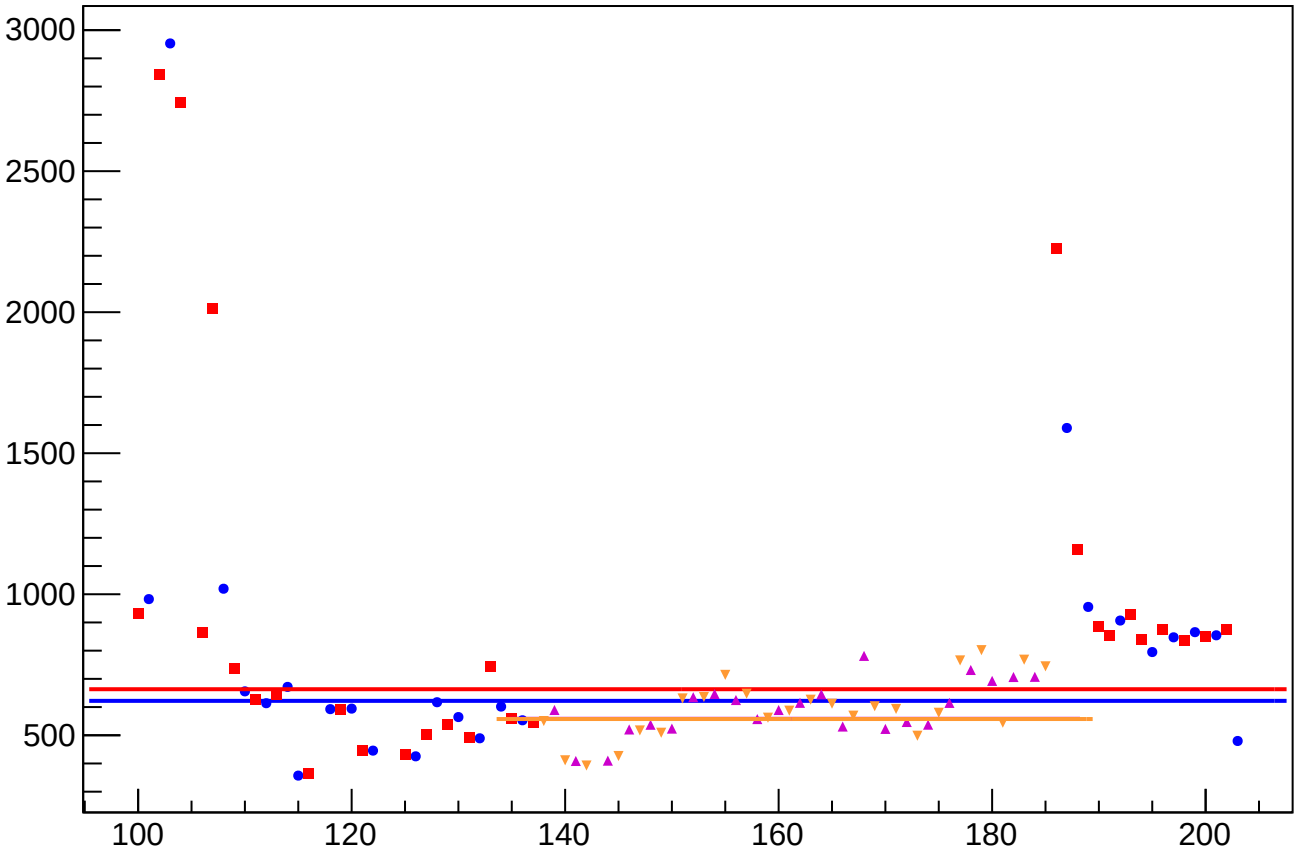
Left: -230.004+/-93.535 χ^2/NDF: 88.5/46

Right: -81.327+/-131.249 χ^2/NDF: 68.5/51

In: -91.429+/-107.131 χ^2/NDF:54.9/46

Out: -270.410+/-108.325 χ^2/NDF:101.5/51

All: -179.927+/-76.172 χ^2/NDF: 157.8/98



Right In: 622.004+/-0.129 χ^2/NDF: 2664261.2/23

Left Out: 557.592+/-0.093 χ^2/NDF:1193270.2/23

Right Out: 663.291+/-0.134 χ^2/NDF: 4029899.7/27

Left In: 558.393+/-0.094 χ^2/NDF:1027814.4/22

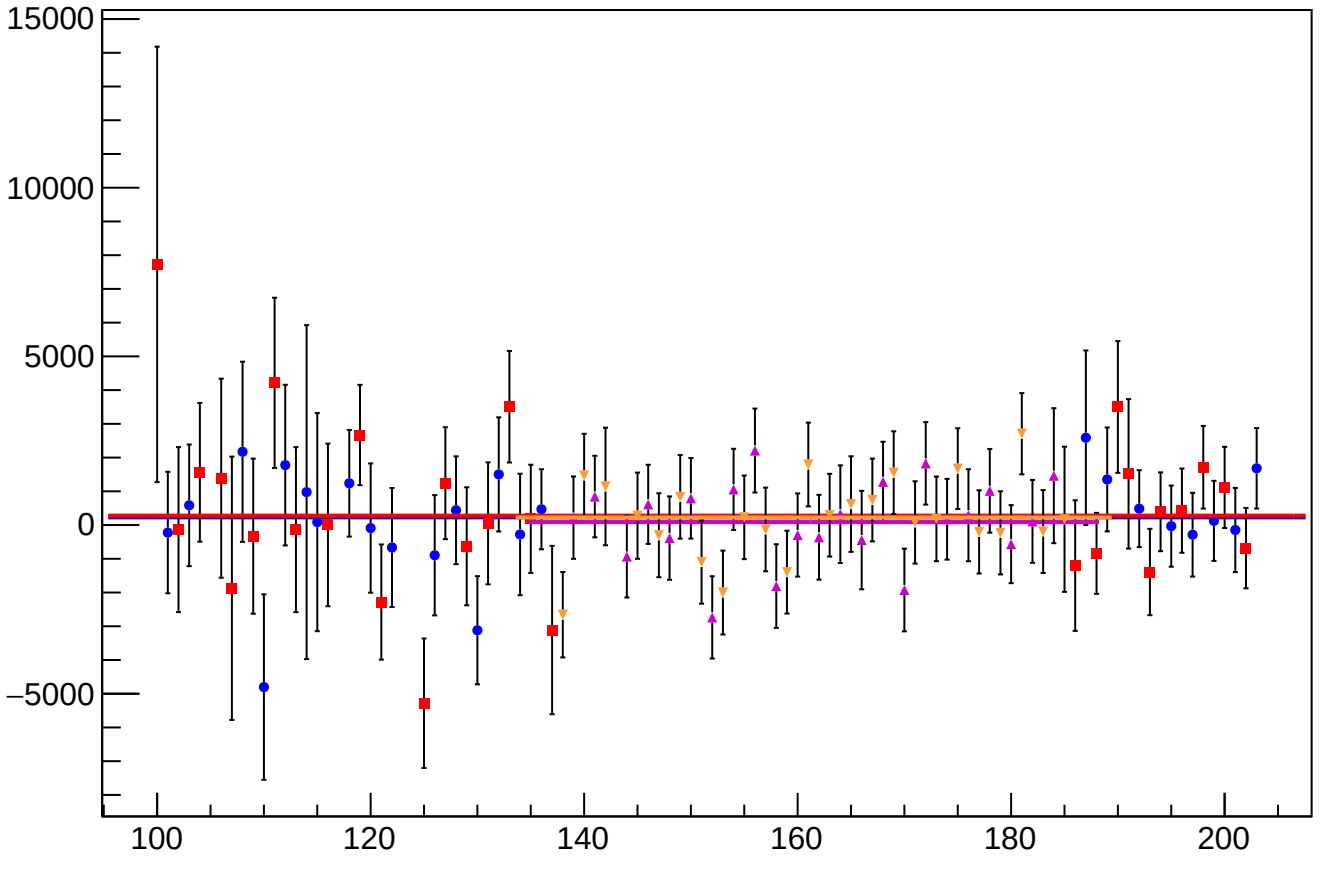
Left: 557.991+/-0.066 χ^2/NDF: 2221121.2/46

Right: 641.804+/-0.093 χ^2/NDF: 6743554.7/51

In: 580.450+/-0.076 χ^2/NDF:3851798.3/46

Out: 592.120+/-0.077 χ^2/NDF:5642013.1/51

All: 586.220+/-0.054 χ^2/NDF: 9505545.7/98



Right In: 228.196+/-326.249 χ^2/NDF: 13.8/23

Left Out: 225.661+/-259.829 χ^2/NDF:22.2/23

Right Out: 279.137+/-320.337 χ^2/NDF: 33.0/27

Left In: 89.079+/-261.717 χ^2/NDF:20.6/22

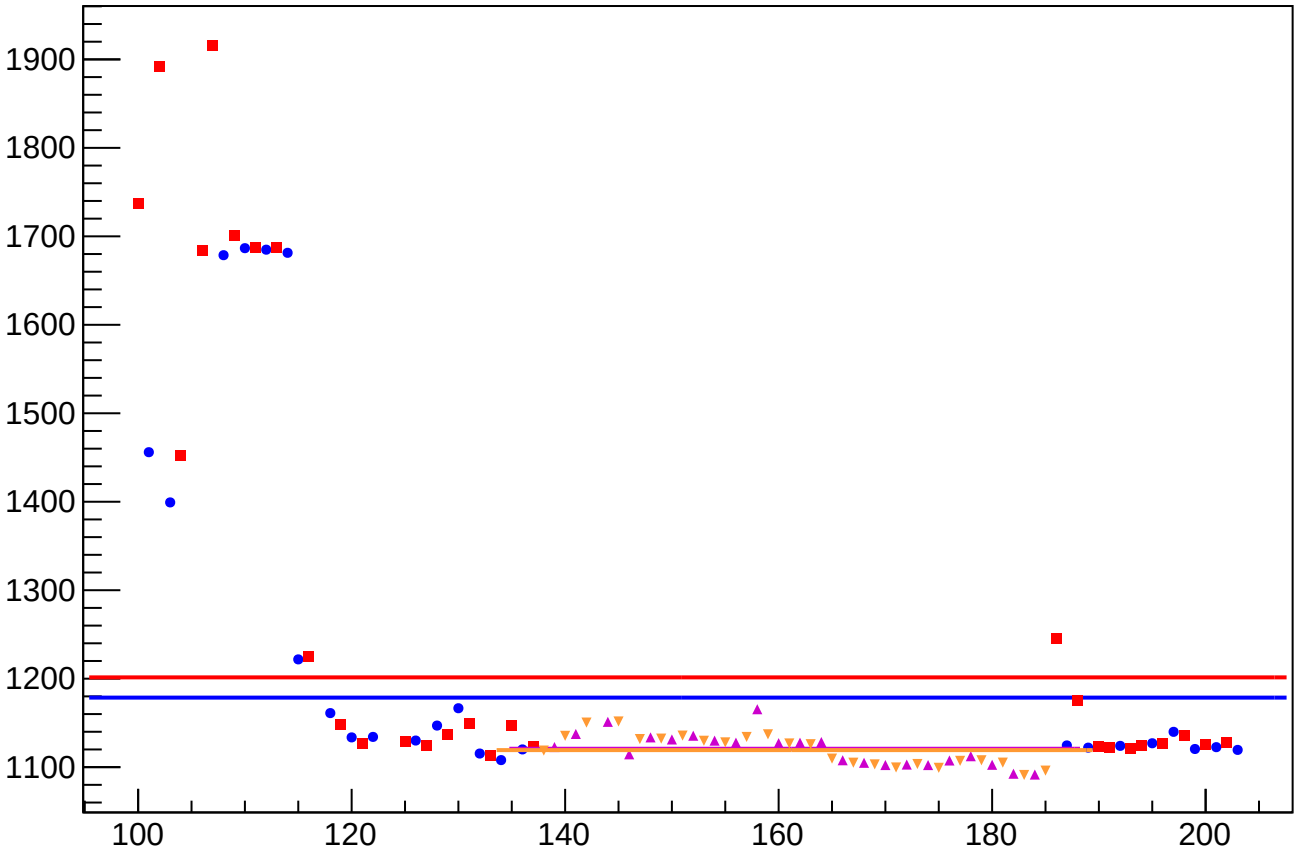
Left: 157.864+/-184.391 χ^2/NDF: 42.9/46

Right: 254.132+/-228.574 χ^2/NDF: 46.8/51

In: 143.550+/-204.147 χ^2/NDF:34.5/46

Out: 246.882+/-201.794 χ^2/NDF:55.2/51

All: 195.815+/-143.515 χ^2/NDF: 89.8/98



Right In: 1178.605+/-0.231 χ^2/NDF: 370508.2/23

Left Out: 1119.258+/-0.184 χ^2/NDF:8143.3/23

Right Out: 1201.474+/-0.227 χ^2/NDF: 652572.5/27

Left In: 1120.800+/-0.185 χ^2/NDF:9426.5/22

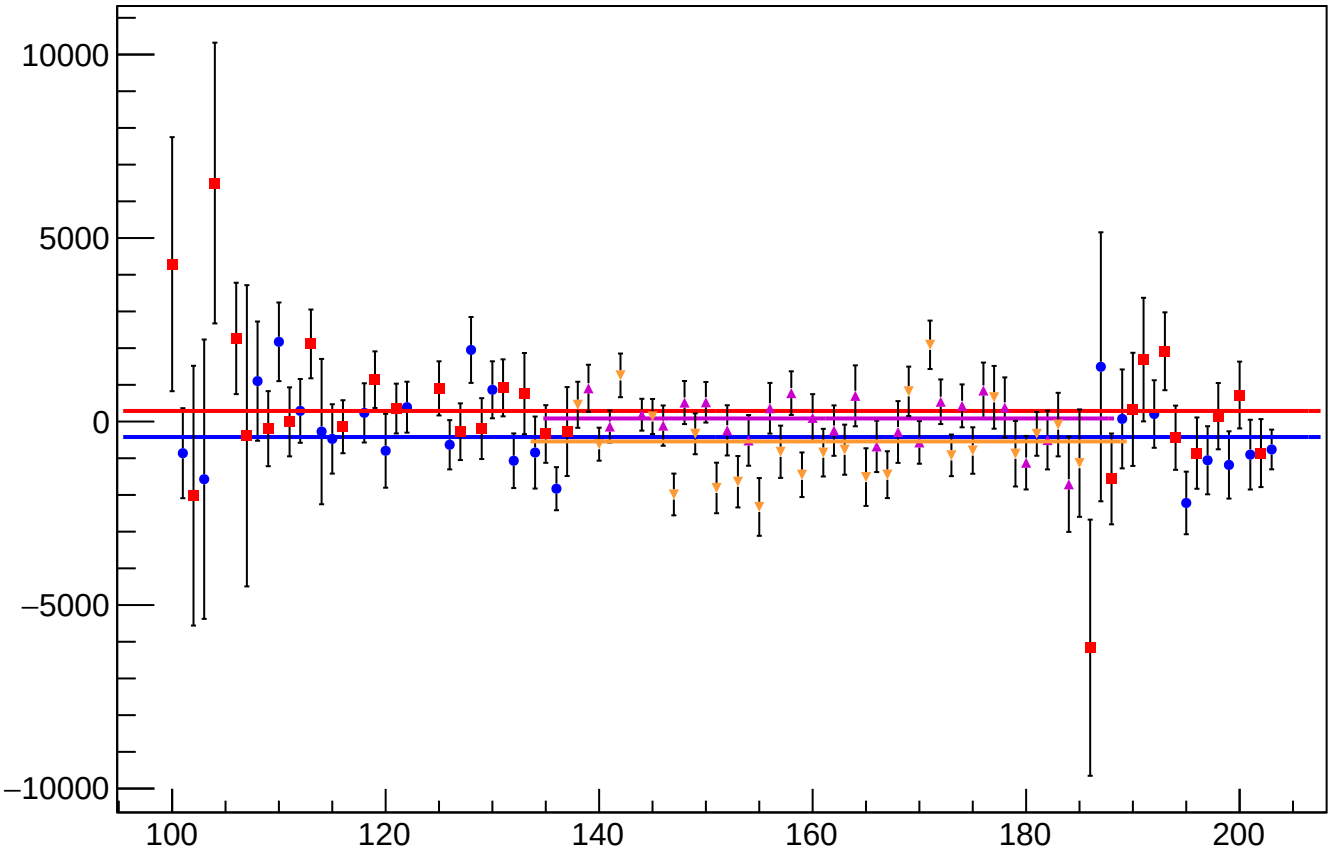
Left: 1120.024+/-0.130 χ^2/NDF: 17604.8/46

Right: 1190.249+/-0.162 χ^2/NDF: 1028084.3/51

In: 1143.434+/-0.144 χ^2/NDF:418136.2/46

Out: 1151.884+/-0.143 χ^2/NDF:740180.4/51

All: 1147.708+/-0.101 χ^2/NDF: 1160049.7/98



Right In: -422.155+/-181.931 χ^2/NDF: 33.5/23

Left Out: -541.591+/-132.012 χ^2/NDF:60.9/23

Right Out: 288.566+/-189.530 χ^2/NDF: 27.7/27

Left In: 84.122+/-132.548 χ^2/NDF:16.4/22

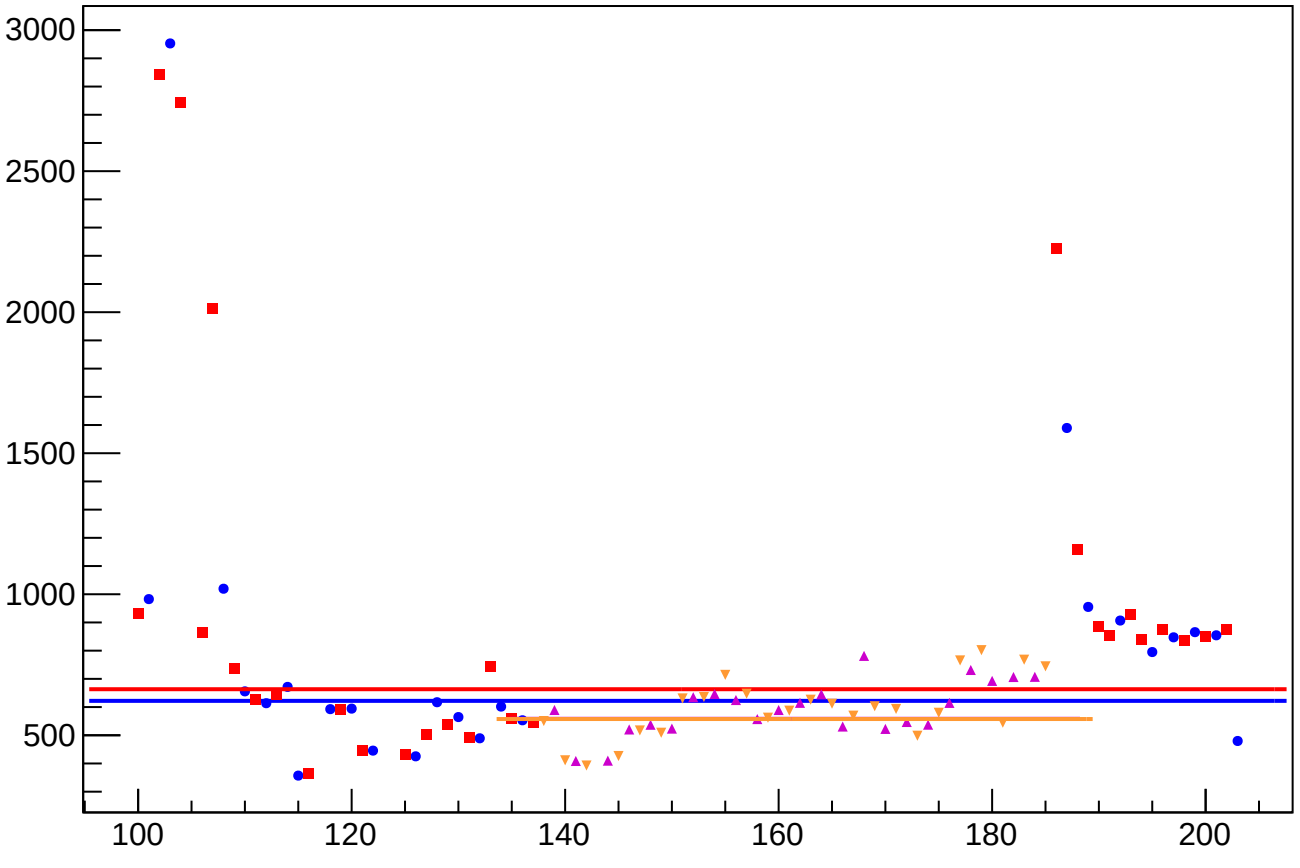
Left: -230.004+/-93.535 χ^2/NDF: 88.5/46

Right: -81.327+/-131.249 χ^2/NDF: 68.5/51

In: -91.429+/-107.131 χ^2/NDF:54.9/46

Out: -270.409+/-108.325 χ^2/NDF:101.5/51

All: -179.927+/-76.172 χ^2/NDF: 157.8/98



Right In: 622.004+/-0.129 χ^2/NDF: 2664258.0/23

Left Out: 557.591+/-0.093 χ^2/NDF:1193291.2/23

Right Out: 663.291+/-0.134 χ^2/NDF: 4029899.8/27

Left In: 558.392+/-0.094 χ^2/NDF:1027828.9/22

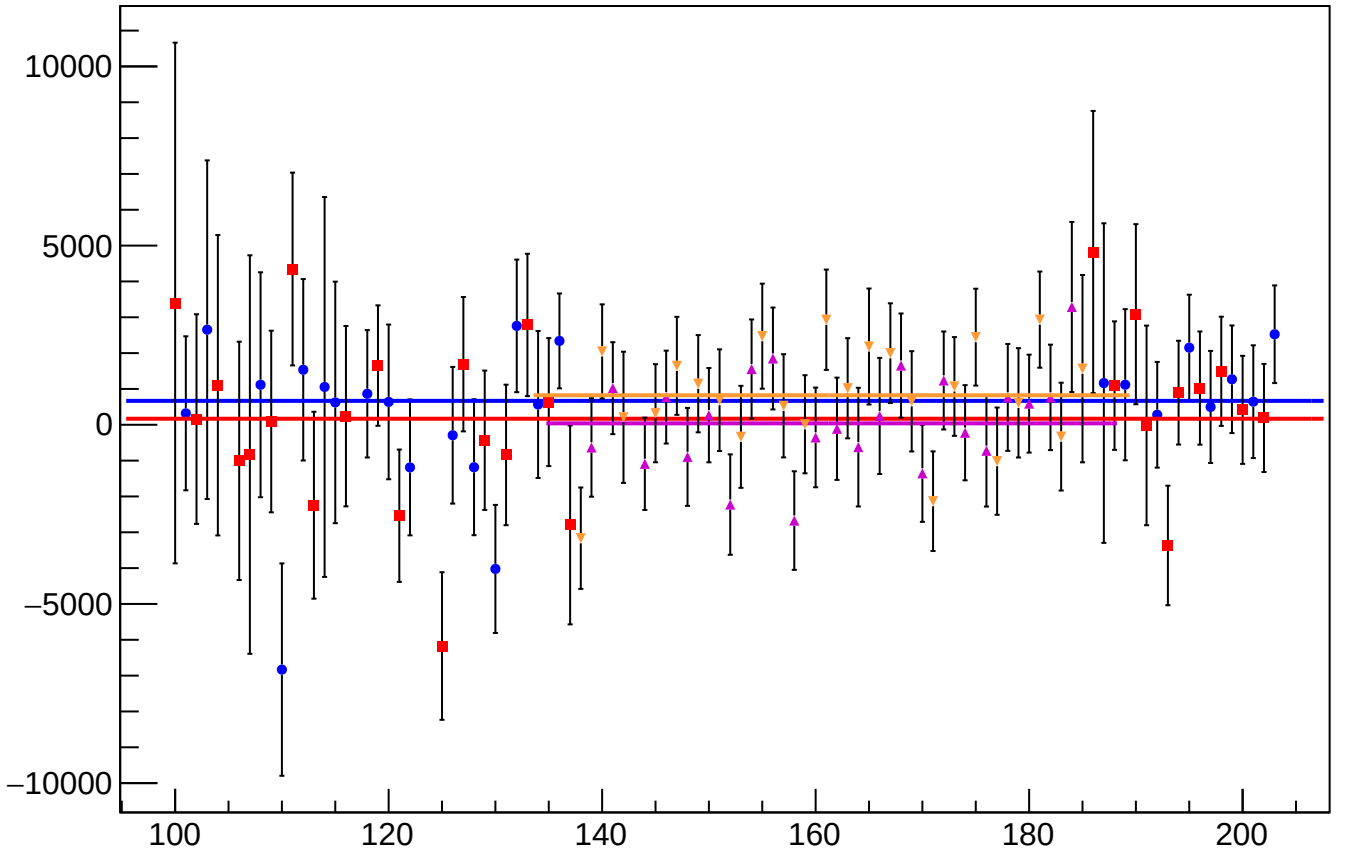
Left: 557.990+/-0.066 χ^2/NDF: 2221156.8/46

Right: 641.803+/-0.093 χ^2/NDF: 6743551.8/51

In: 580.450+/-0.076 χ^2/NDF:3851811.5/46

Out: 592.119+/-0.077 χ^2/NDF:5642038.9/51

All: 586.220+/-0.054 χ^2/NDF: 9505584.5/98



Right In: 667.456+/-391.668 χ^2/NDF: 21.9/23

Left Out: 823.319+/-294.835 χ^2/NDF:26.2/23

Right Out: 168.708+/-391.797 χ^2/NDF: 28.9/27

Left In: 39.696+/-296.006 χ^2/NDF:17.9/22

Left: 433.060+/-208.893 χ^2/NDF: 47.6/46

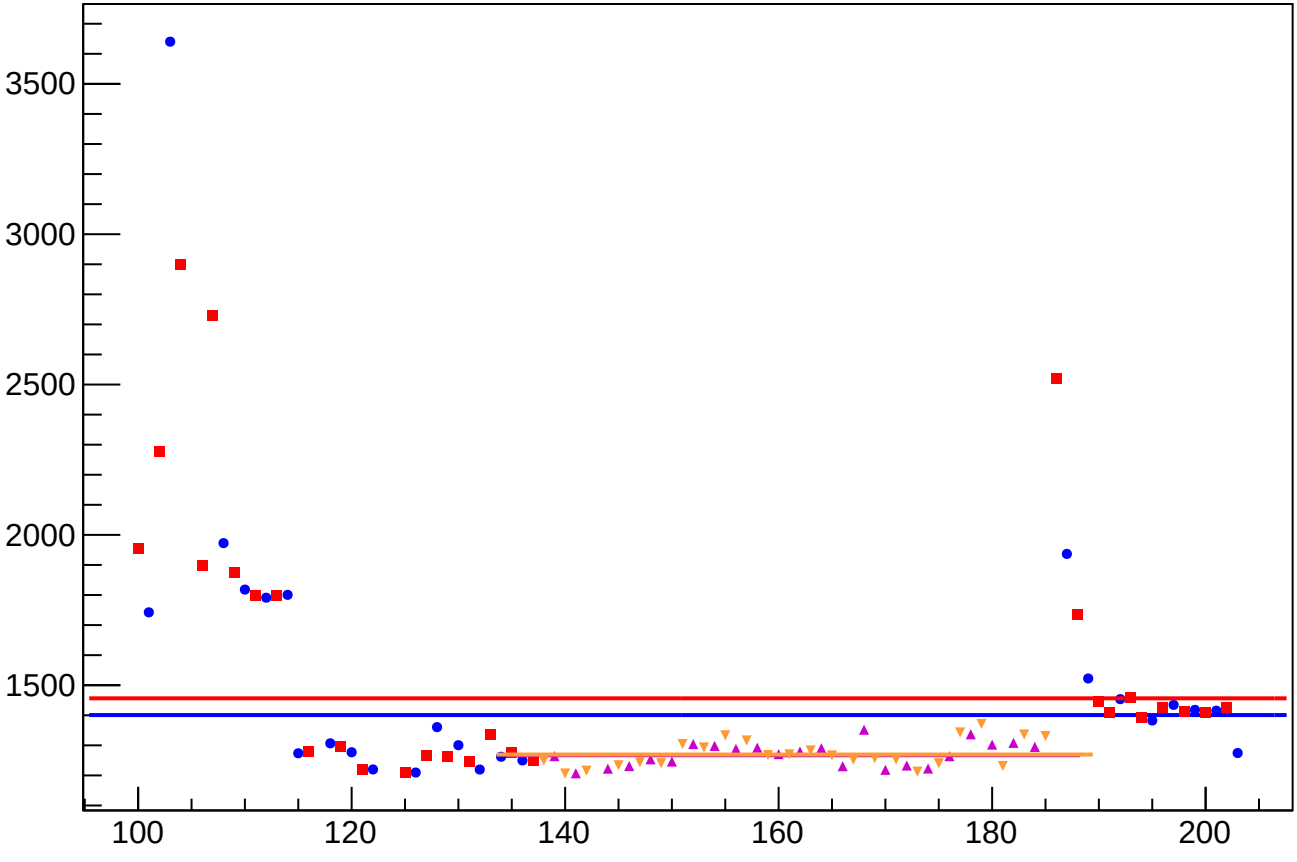
Right: 418.164+/-276.996 χ^2/NDF: 51.6/51

In: 267.907+/-236.150 χ^2/NDF:41.4/46

Out: 586.646+/-235.583 χ^2/NDF:56.9/51

All: 427.660+/-166.783 χ^2/NDF: 99.1/98

asym_usl_atl1_dd_rms vs Slug, Sign Corrected



Right In: 1400.743+/-0.277 χ^2/NDF: 836702.3/23

Left Out: 1269.441+/-0.208 χ^2/NDF:43040.3/23

Right Out: 1456.388+/-0.277 χ^2/NDF: 1061103.9/27

Left In: 1267.066+/-0.209 χ^2/NDF:34547.0/22

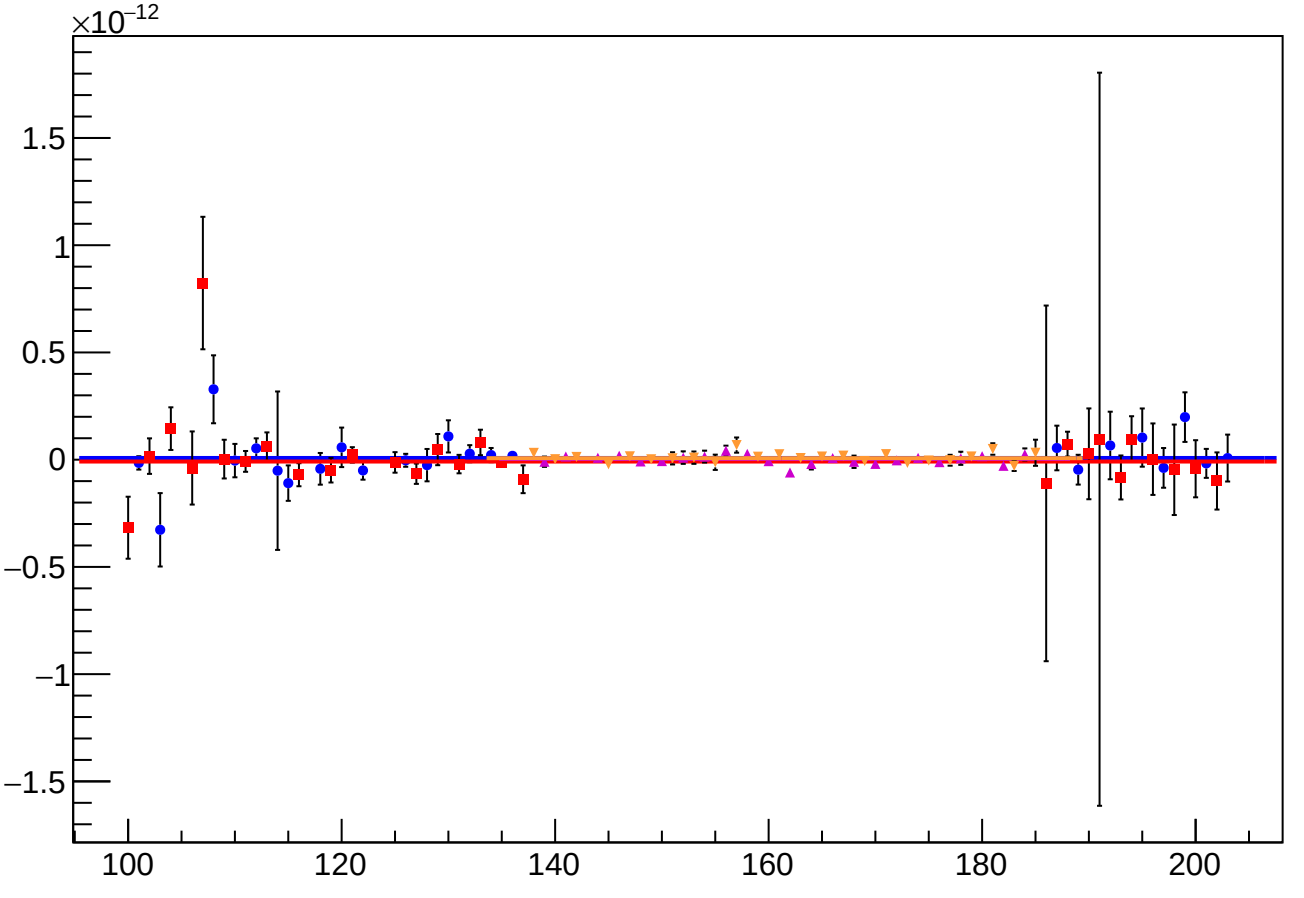
Left: 1268.258+/-0.148 χ^2/NDF: 77651.9/46

Right: 1428.556+/-0.196 χ^2/NDF: 1917983.9/51

In: 1315.662+/-0.167 χ^2/NDF:1019530.1/46

Out: 1337.031+/-0.167 χ^2/NDF:1394863.8/51

All: 1326.372+/-0.118 χ^2/NDF: 2422602.0/98



Right In: 0.000+/-0.000 χ^2/NDF: 21.4/23

Left Out: 0.000+/-0.000 χ^2/NDF:19.8/23

Right Out: -0.000+/-0.000 χ^2/NDF: 28.1/27

Left In: 0.000+/-0.000 χ^2/NDF:23.0/22

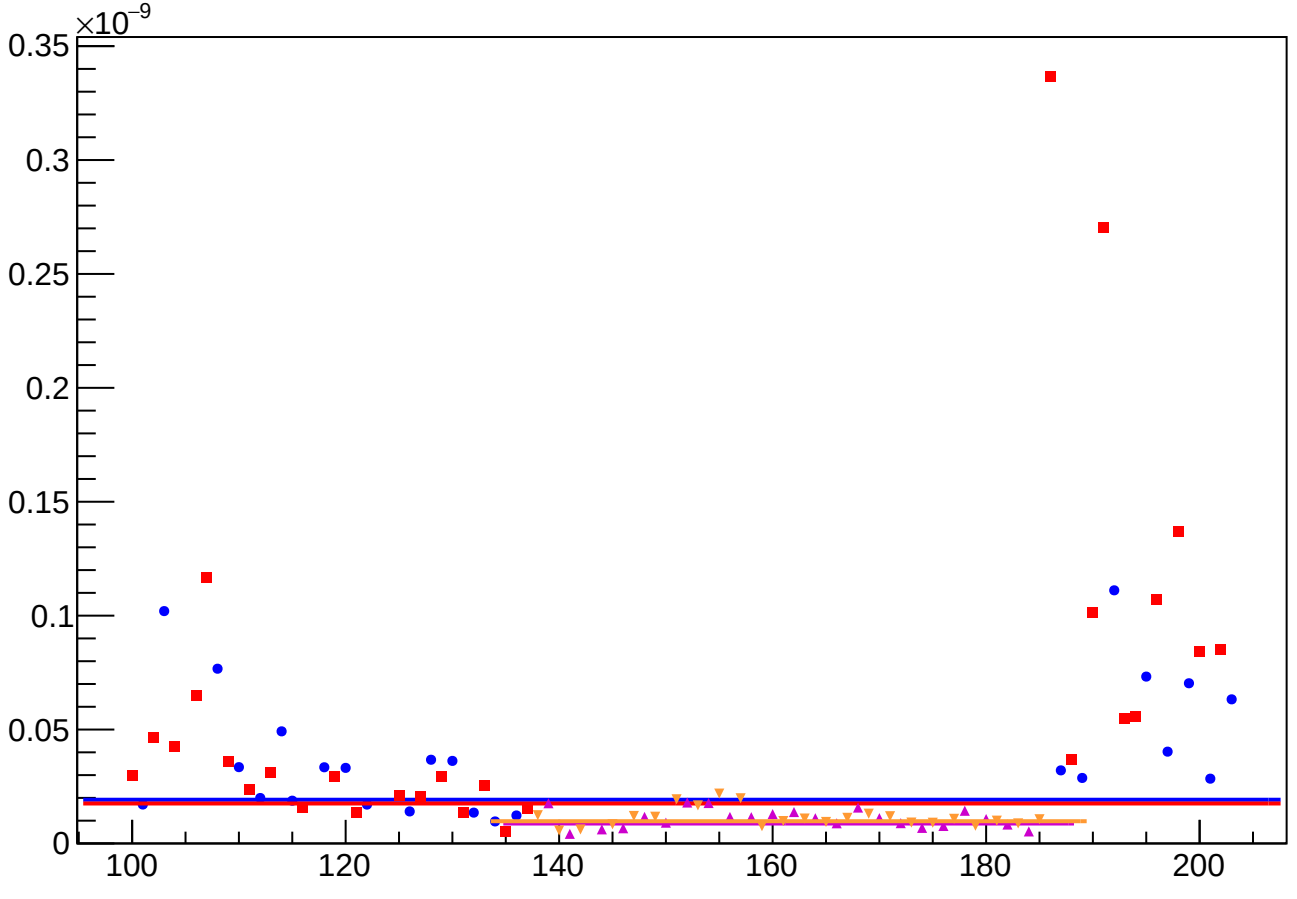
Left: 0.000+/-0.000 χ^2/NDF: 43.2/46

Right: -0.000+/-0.000 χ^2/NDF: 50.9/51

In: 0.000+/-0.000 χ^2/NDF:44.6/46

Out: 0.000+/-0.000 χ^2/NDF:49.9/51

All: 0.000+/-0.000 χ^2/NDF: 94.6/98



Right In: 0.000+/-0.000 χ^2/NDF: 3609211.1/23

Left Out: 0.000+/-0.000 χ^2/NDF:1373738.7/23

Right Out: 0.000+/-0.000 χ^2/NDF: 6068451.5/27

Left In: 0.000+/-0.000 χ^2/NDF:1928867.4/22

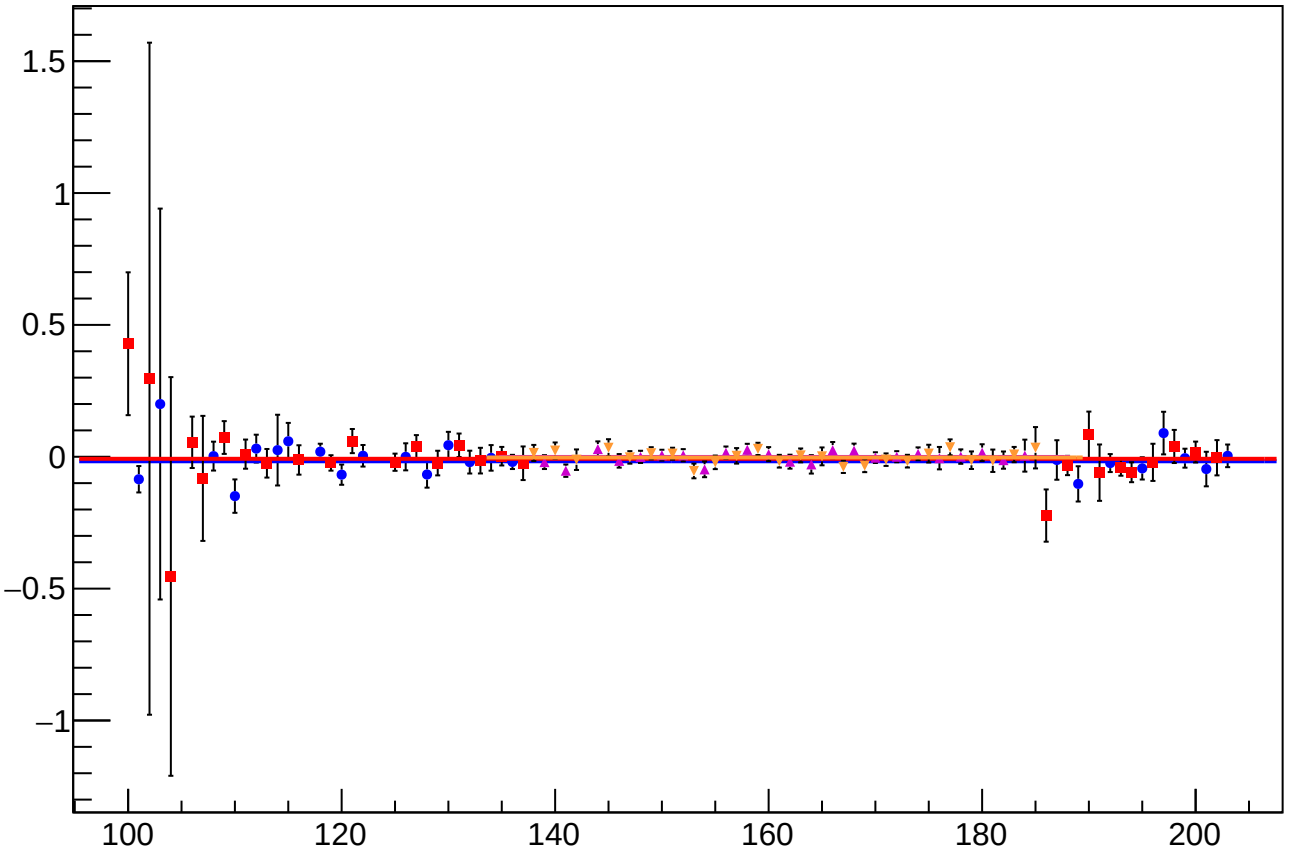
Left: 0.000+/-0.000 χ^2/NDF: 3372071.7/46

Right: 0.000+/-0.000 χ^2/NDF: 9703410.4/51

In: 0.000+/-0.000 χ^2/NDF:7344765.2/46

Out: 0.000+/-0.000 χ^2/NDF:8450276.4/51

All: 0.000+/-0.000 χ^2/NDF: 15849410.4/98



Right In: -0.017+/-0.010 χ^2/NDF: 19.0/23

Left Out: -0.003+/-0.006 χ^2/NDF:16.3/23

Right Out: -0.008+/-0.010 χ^2/NDF: 21.0/27

Left In: -0.001+/-0.005 χ^2/NDF:14.9/22

Left: -0.002+/-0.004 χ^2/NDF: 31.3/46

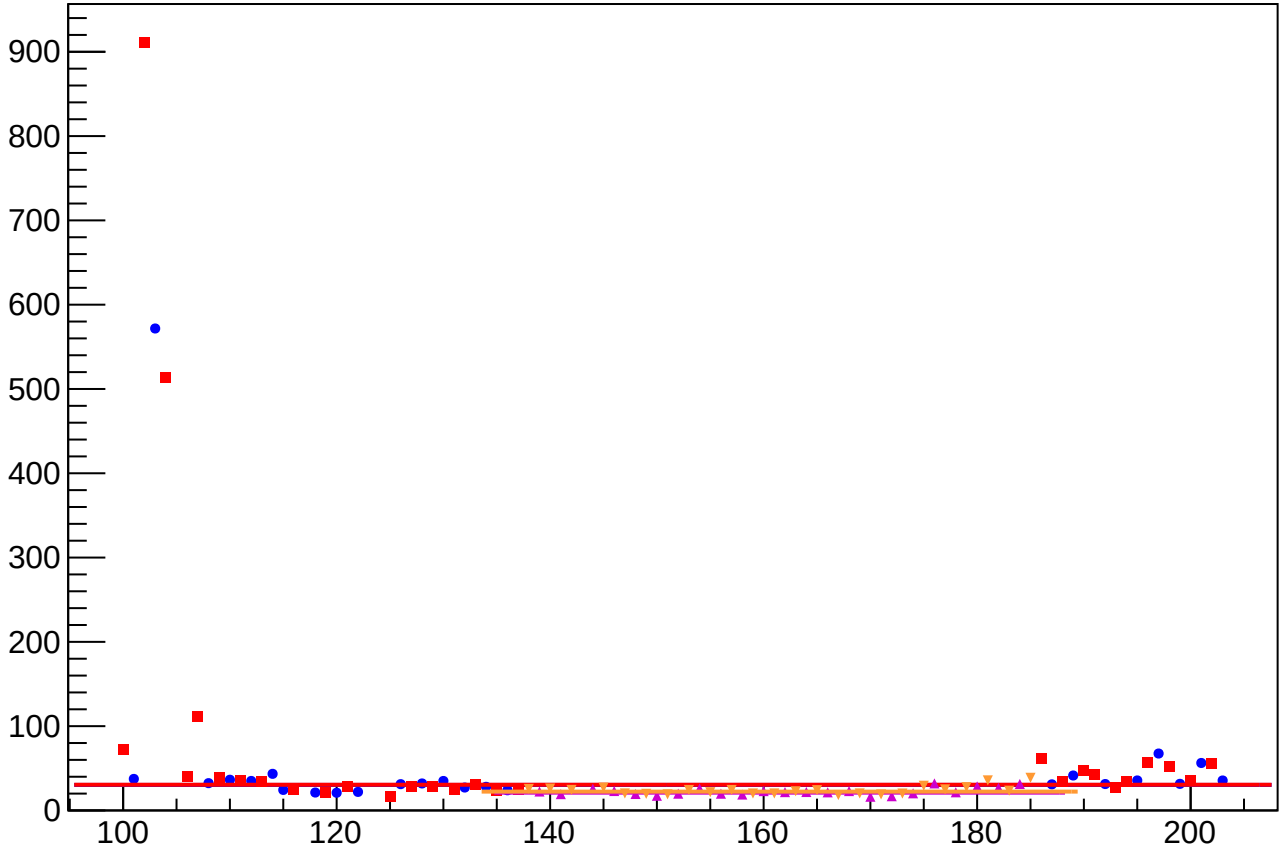
Right: -0.012+/-0.007 χ^2/NDF: 40.5/51

In: -0.005+/-0.005 χ^2/NDF:36.1/46

Out: -0.004+/-0.005 χ^2/NDF:37.5/51

All: -0.004+/-0.003 χ^2/NDF: 73.6/98

asym_usl_atl1_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 30.269+/-0.007 χ^2/NDF: 2564639.2/23

Left Out: 22.355+/-0.004 χ^2/NDF:816073.4/23

Right Out: 30.497+/-0.007 χ^2/NDF: 4063457.8/27

Left In: 21.099+/-0.004 χ^2/NDF:819255.8/22

Left: 21.703+/-0.003 χ^2/NDF: 1686083.7/46

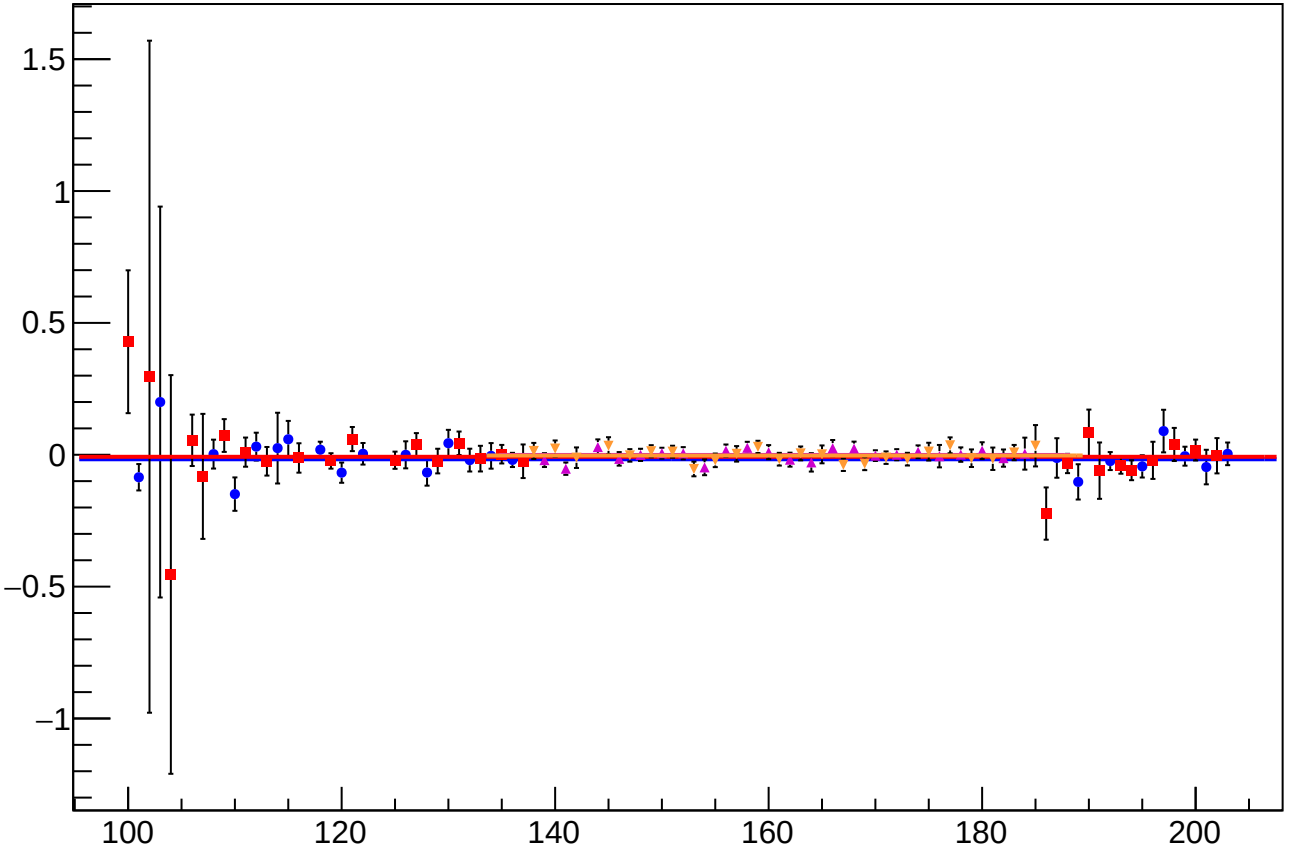
Right: 30.383+/-0.005 χ^2/NDF: 6628664.6/51

In: 23.369+/-0.003 χ^2/NDF:4777214.7/46

Out: 24.484+/-0.003 χ^2/NDF:5952556.7/51

All: 23.910+/-0.002 χ^2/NDF: 10783466.5/98

asym_usl_atl1_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.017+/-0.010 χ^2/NDF: 19.0/23

Left Out: -0.003+/-0.006 χ^2/NDF:16.3/23

Right Out: -0.008+/-0.010 χ^2/NDF: 21.0/27

Left In: -0.001+/-0.005 χ^2/NDF:14.9/22

Left: -0.002+/-0.004 χ^2/NDF: 31.3/46

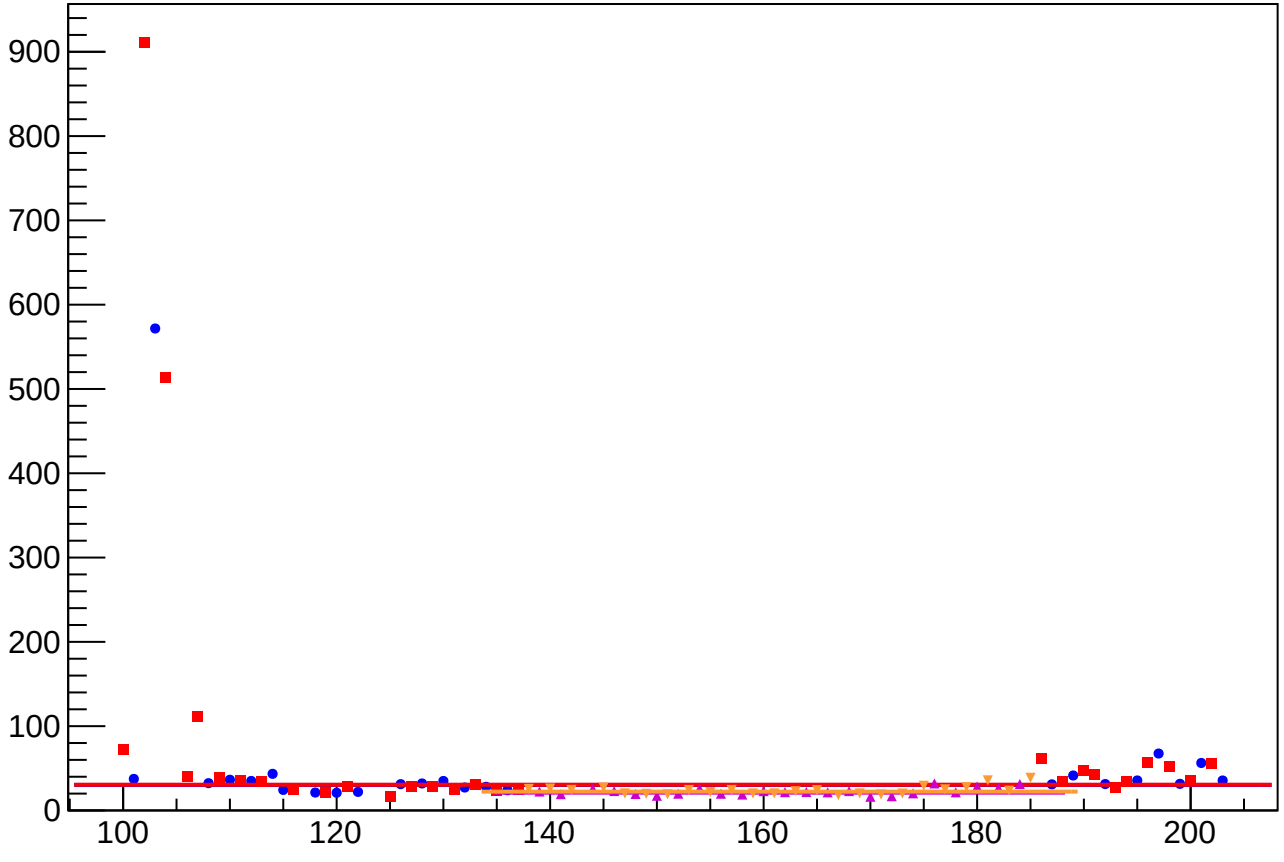
Right: -0.012+/-0.007 χ^2/NDF: 40.5/51

In: -0.005+/-0.005 χ^2/NDF:36.1/46

Out: -0.004+/-0.005 χ^2/NDF:37.5/51

All: -0.004+/-0.003 χ^2/NDF: 73.6/98

asym_usl_atl1_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 30.269+/-0.007 χ^2/NDF: 2564639.2/23

Left Out: 22.355+/-0.004 χ^2/NDF:816073.4/23

Right Out: 30.497+/-0.007 χ^2/NDF: 4063457.8/27

Left In: 21.099+/-0.004 χ^2/NDF:819255.8/22

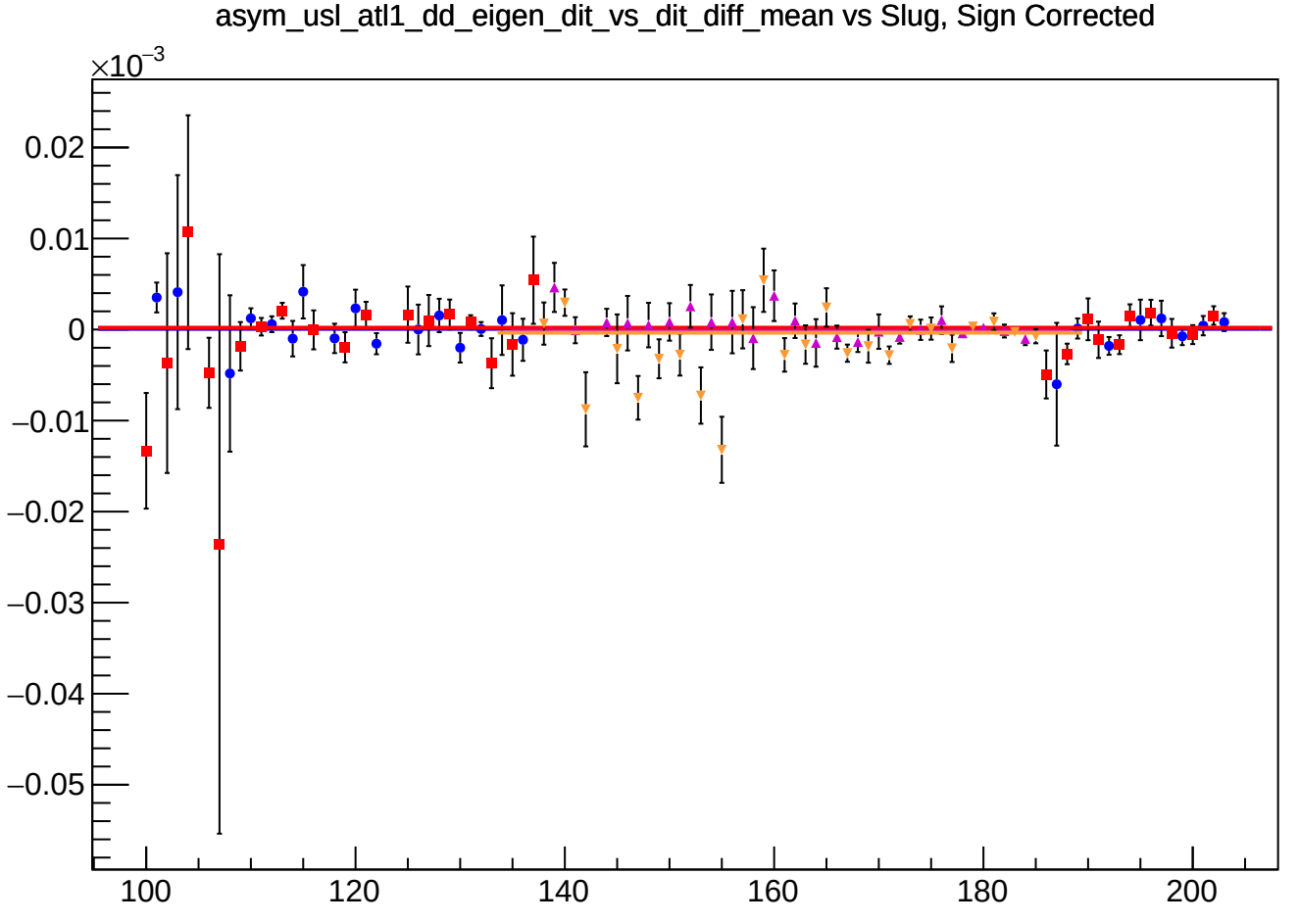
Left: 21.703+/-0.003 χ^2/NDF: 1686083.7/46

Right: 30.383+/-0.005 χ^2/NDF: 6628664.6/51

In: 23.369+/-0.003 χ^2/NDF:4777214.7/46

Out: 24.484+/-0.003 χ^2/NDF:5952556.7/51

All: 23.910+/-0.002 χ^2/NDF: 10783466.5/98



Right In: 0.000+/-0.000 χ^2/NDF: 21.1/23

Left Out: -0.000+/-0.000 χ^2/NDF:68.1/23

Right Out: 0.000+/-0.000 χ^2/NDF: 39.7/27

Left In: -0.000+/-0.000 χ^2/NDF:14.2/22

Left: -0.000+/-0.000 χ^2/NDF: 82.8/46

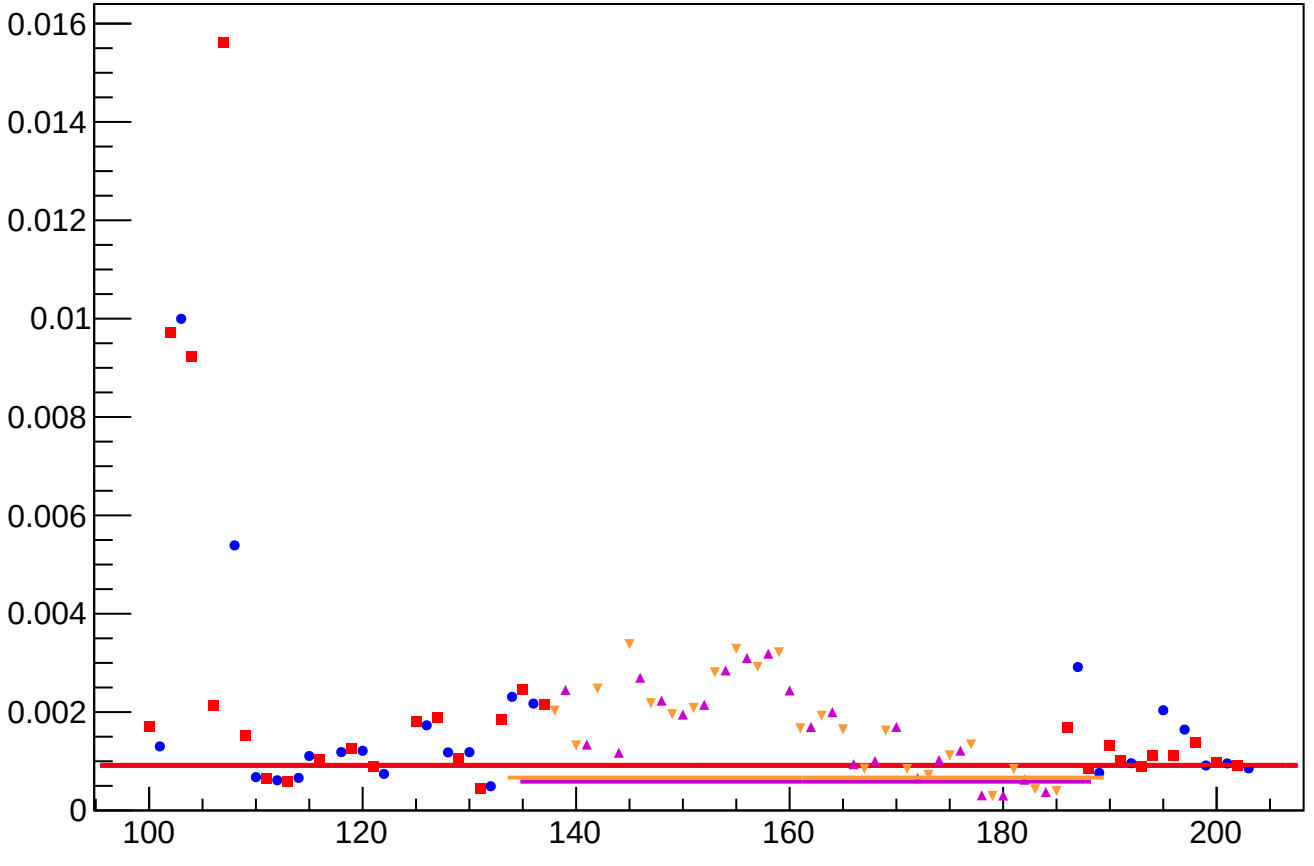
Right: 0.000+/-0.000 χ^2/NDF: 60.9/51

In: -0.000+/-0.000 χ^2/NDF:35.8/46

Out: -0.000+/-0.000 χ^2/NDF:110.1/51

All: -0.000+/-0.000 χ^2/NDF: 146.0/98

asym_usl_atl1_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.001+/-0.000 χ^2/NDF: 4934367.9/23

Left Out: 0.001+/-0.000 χ^2/NDF:15375915.0/23

Right Out: 0.001+/-0.000 χ^2/NDF: 5617809.8/27

Left In: 0.001+/-0.000 χ^2/NDF:15658683.6/22

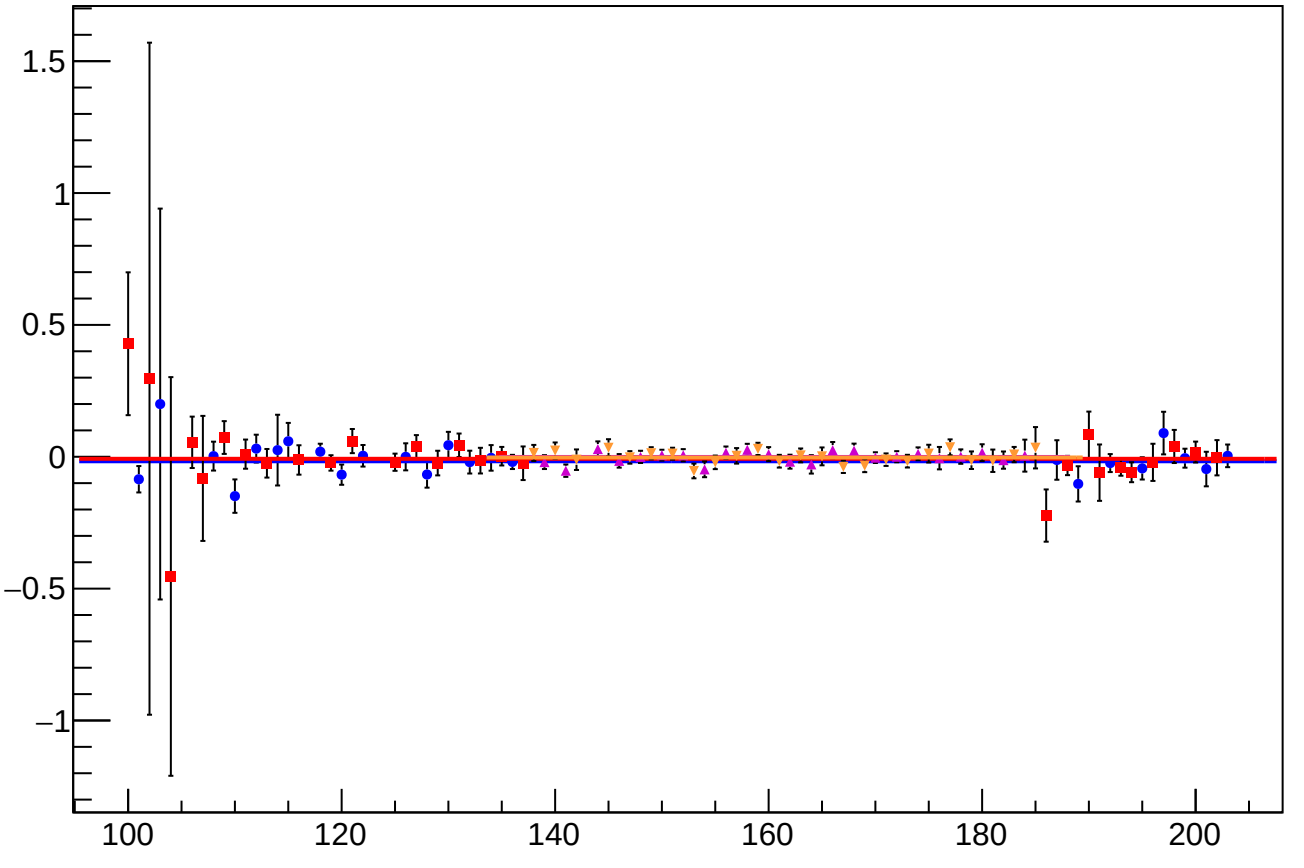
Left: 0.001+/-0.000 χ^2/NDF: 31210781.6/46

Right: 0.001+/-0.000 χ^2/NDF: 10556401.8/51

In: 0.001+/-0.000 χ^2/NDF:22397865.8/46

Out: 0.001+/-0.000 χ^2/NDF:22065591.8/51

All: 0.001+/-0.000 χ^2/NDF: 44659053.7/98



Right In: -0.017+/-0.010 χ^2/NDF: 19.0/23

Left Out: -0.003+/-0.006 χ^2/NDF:16.3/23

Right Out: -0.008+/-0.010 χ^2/NDF: 21.0/27

Left In: -0.001+/-0.005 χ^2/NDF:14.9/22

Left: -0.002+/-0.004 χ^2/NDF: 31.3/46

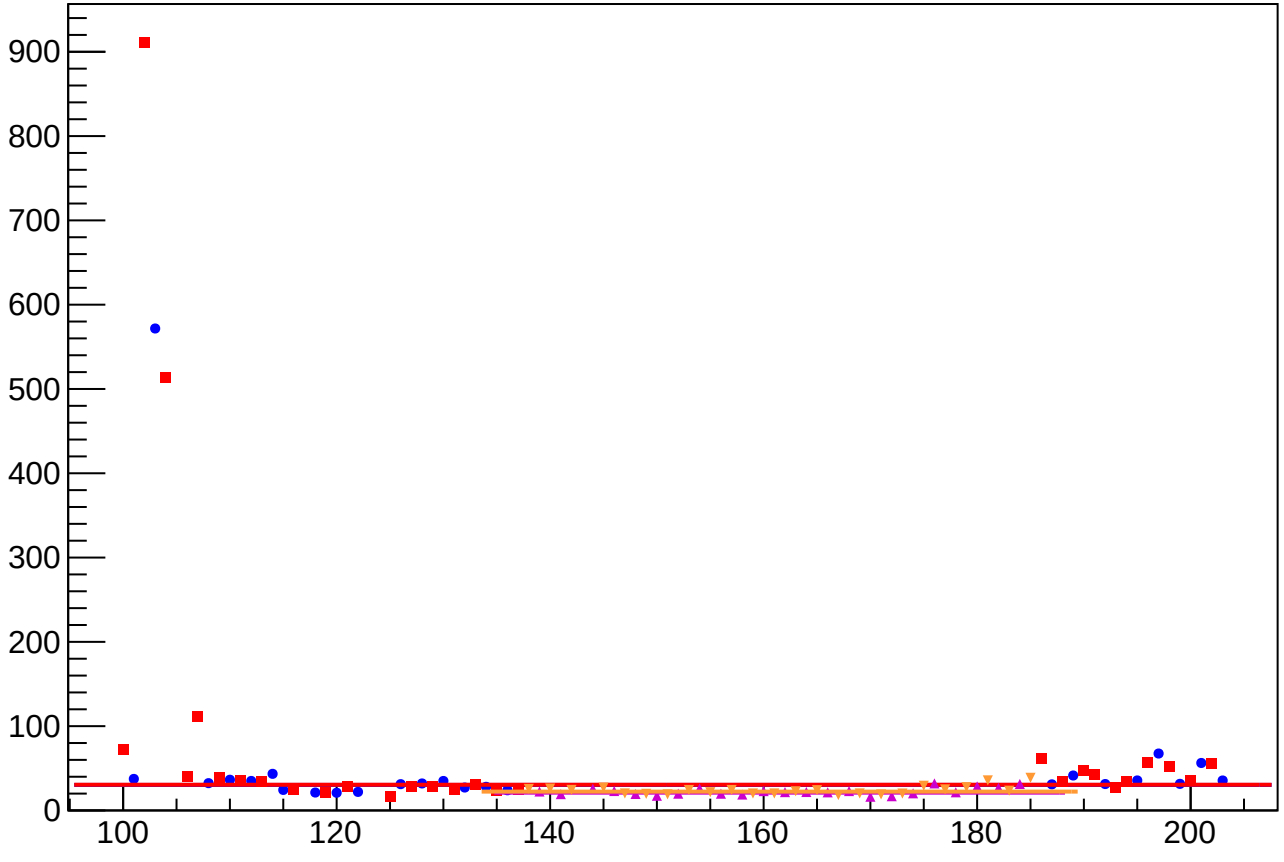
Right: -0.012+/-0.007 χ^2/NDF: 40.4/51

In: -0.005+/-0.005 χ^2/NDF:36.1/46

Out: -0.004+/-0.005 χ^2/NDF:37.5/51

All: -0.004+/-0.003 χ^2/NDF: 73.6/98

asym_usl_atl1_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 30.269+/-0.007 χ^2/NDF: 2564658.1/23

Left Out: 22.355+/-0.004 χ^2/NDF:816044.6/23

Right Out: 30.496+/-0.007 χ^2/NDF: 4063485.3/27

Left In: 21.099+/-0.004 χ^2/NDF:819268.9/22

Left: 21.703+/-0.003 χ^2/NDF: 1686066.1/46

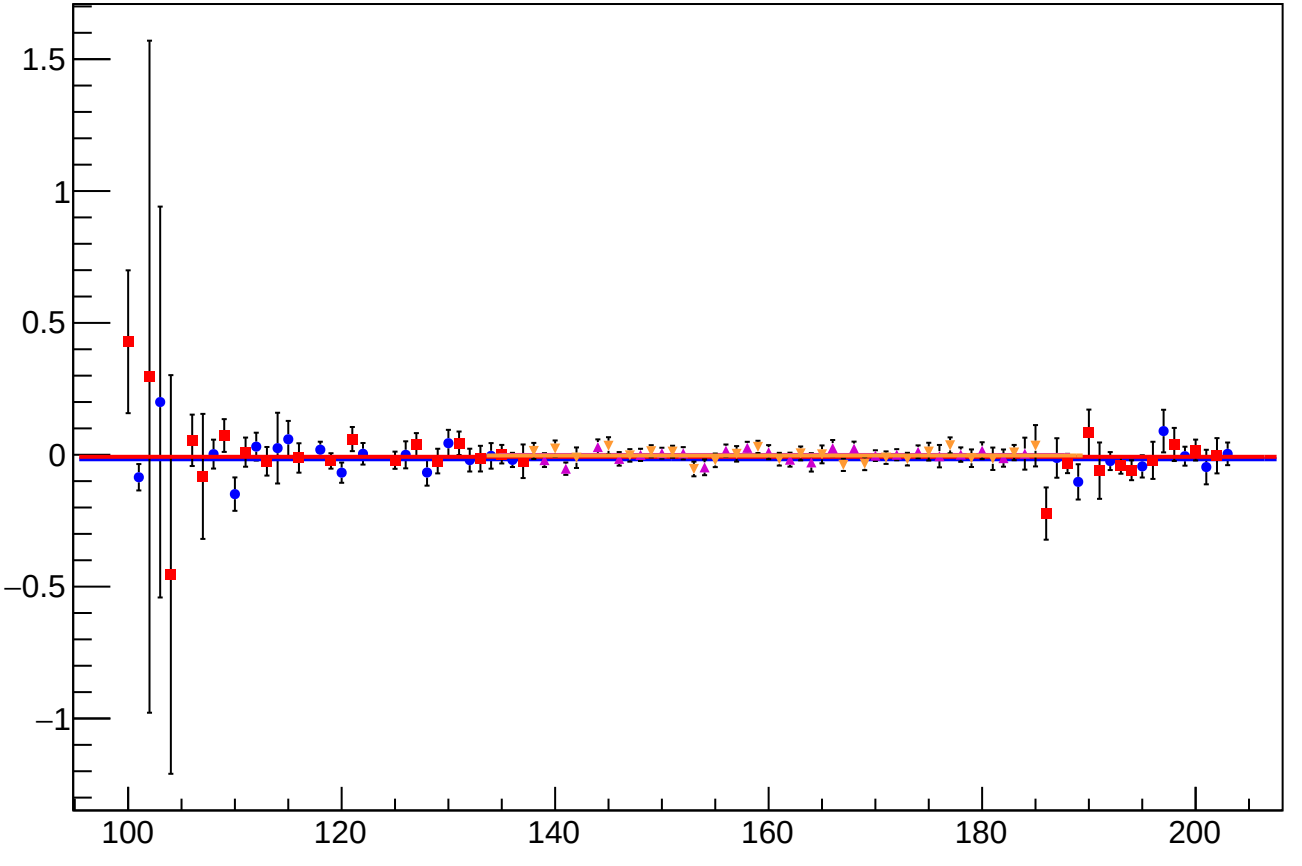
Right: 30.383+/-0.005 χ^2/NDF: 6628710.8/51

In: 23.369+/-0.003 χ^2/NDF:4777255.2/46

Out: 24.484+/-0.003 χ^2/NDF:5952561.2/51

All: 23.910+/-0.002 χ^2/NDF: 10783509.2/98

asym_usl_atl1_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.017+/-0.010 χ^2/NDF: 19.0/23

Left Out: -0.003+/-0.006 χ^2/NDF:16.3/23

Right Out: -0.008+/-0.010 χ^2/NDF: 21.0/27

Left In: -0.001+/-0.005 χ^2/NDF:14.9/22

Left: -0.002+/-0.004 χ^2/NDF: 31.3/46

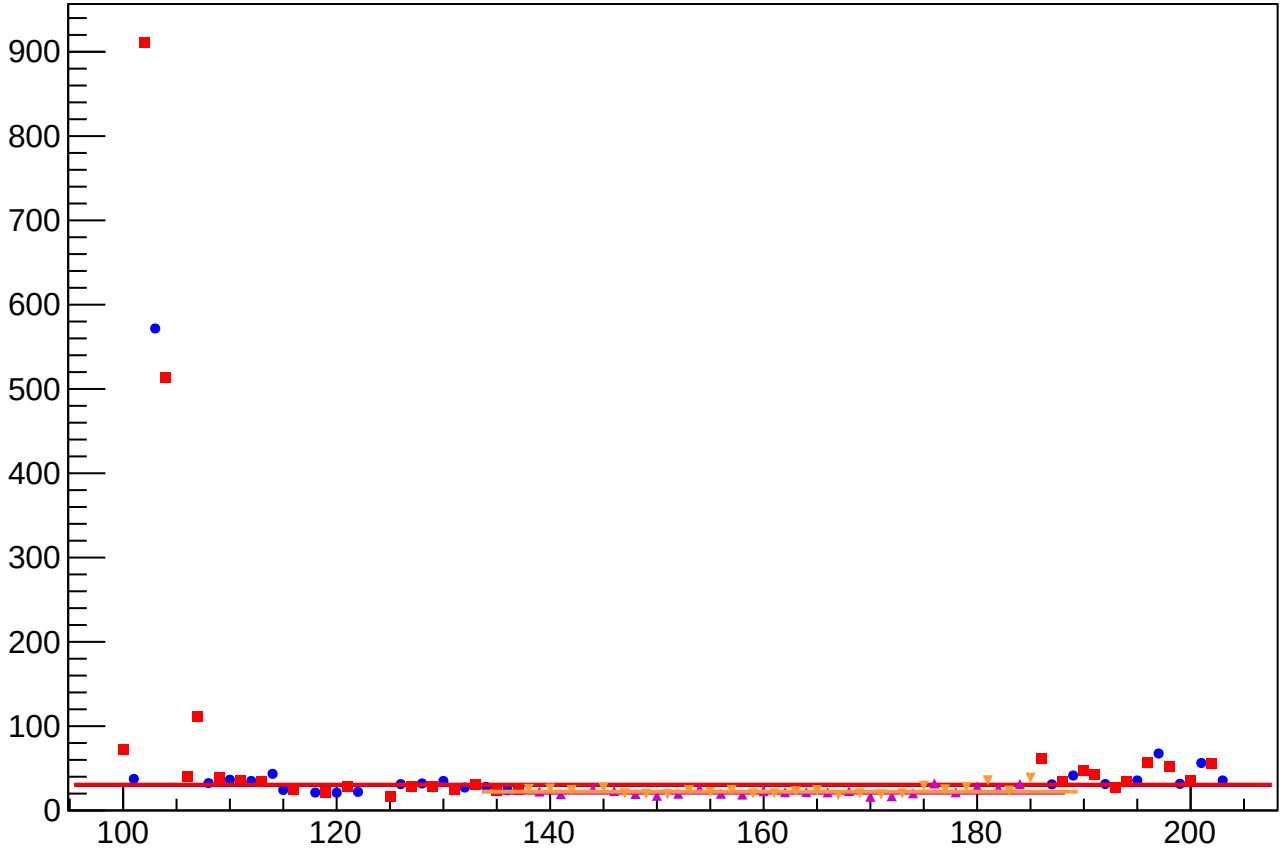
Right: -0.012+/-0.007 χ^2/NDF: 40.4/51

In: -0.005+/-0.005 χ^2/NDF:36.1/46

Out: -0.004+/-0.005 χ^2/NDF:37.5/51

All: -0.004+/-0.003 χ^2/NDF: 73.6/98

asym_usl_atl1_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 30.269+/-0.007 χ^2/NDF: 2564658.1/23

Left Out: 22.355+/-0.004 χ^2/NDF:816044.6/23

Right Out: 30.496+/-0.007 χ^2/NDF: 4063485.3/27

Left In: 21.099+/-0.004 χ^2/NDF:819268.9/22

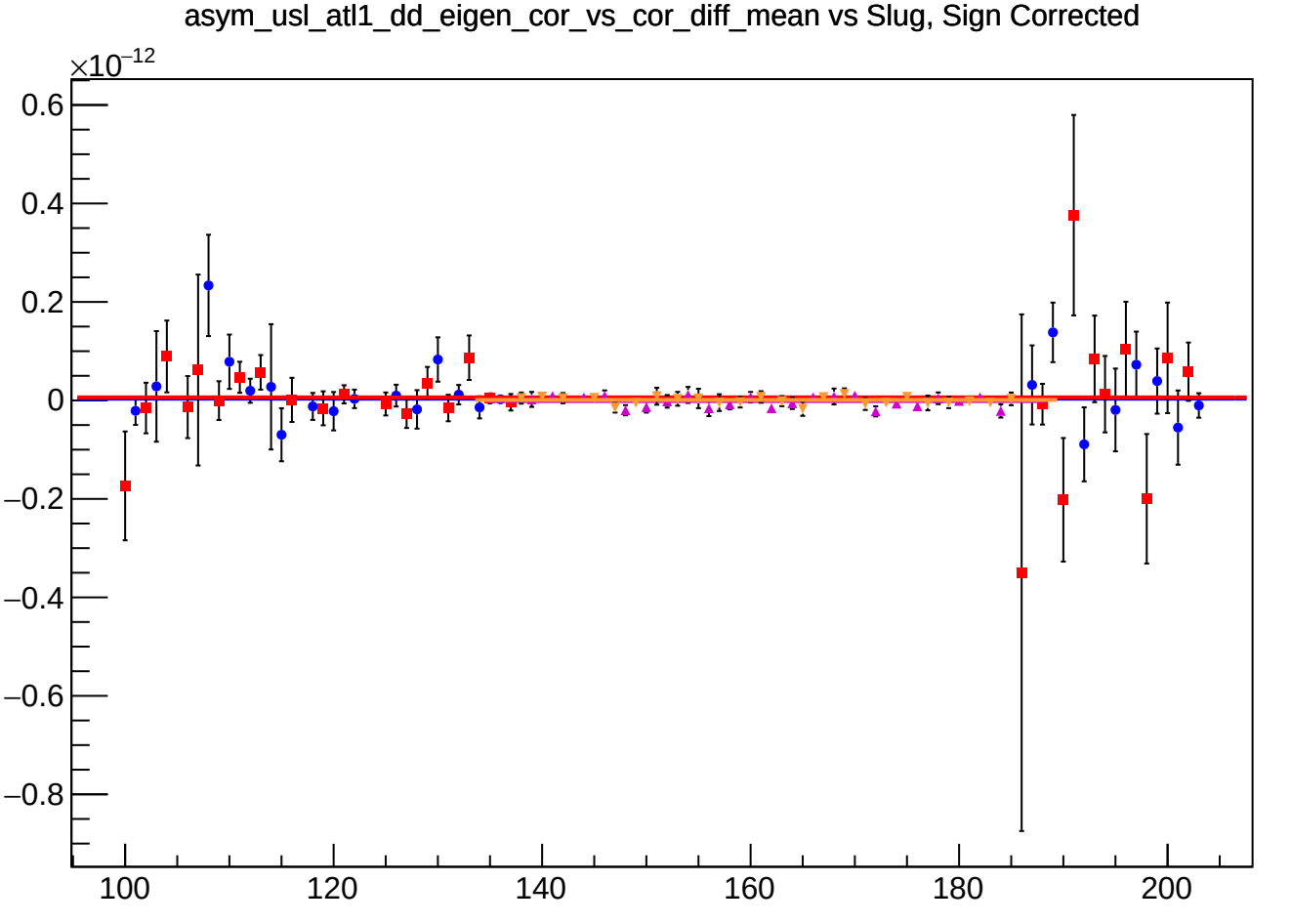
Left: 21.703+/-0.003 χ^2/NDF: 1686066.1/46

Right: 30.383+/-0.005 χ^2/NDF: 6628710.8/51

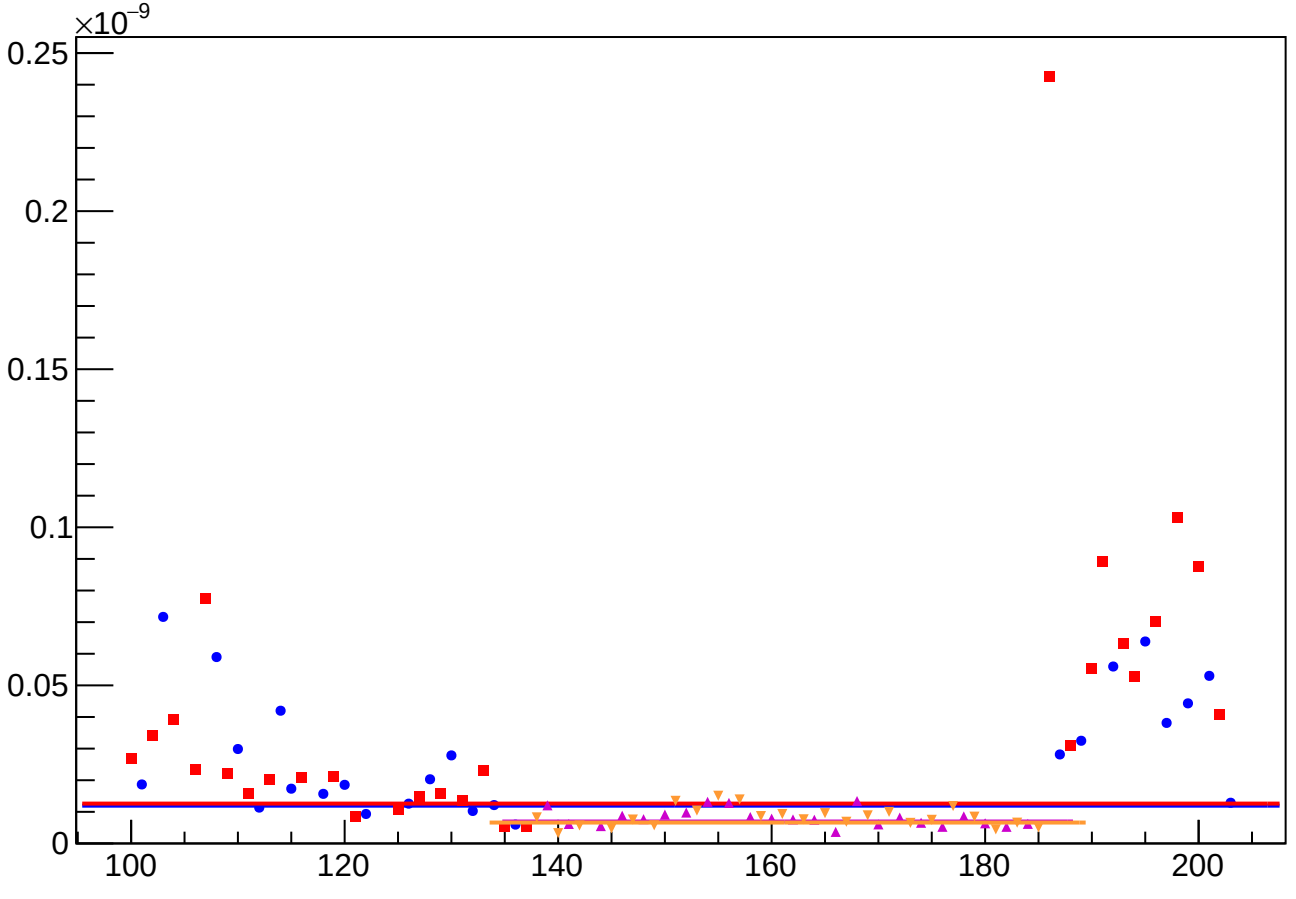
In: 23.369+/-0.003 χ^2/NDF:4777255.2/46

Out: 24.484+/-0.003 χ^2/NDF:5952561.2/51

All: 23.910+/-0.002 χ^2/NDF: 10783509.2/98


asym_usl_atl1_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: 24.0/23
Left Out: 0.000+/-0.000 χ²/NDF:11.6/23
Right Out: 0.000+/-0.000 χ²/NDF: 27.5/27
Left In: -0.000+/-0.000 χ²/NDF:25.8/22
Left: -0.000+/-0.000 χ²/NDF: 38.0/46
Right: 0.000+/-0.000 χ²/NDF: 51.6/51
In: -0.000+/-0.000 χ²/NDF:50.4/46
Out: 0.000+/-0.000 χ²/NDF:39.8/51
All: 0.000+/-0.000 χ²/NDF: 90.9/98

asym_usl_atl1_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 6069401.3/23

Left Out: 0.000+/-0.000 χ^2/NDF:3457171.1/23

Right Out: 0.000+/-0.000 χ^2/NDF: 8502436.4/27

Left In: 0.000+/-0.000 χ^2/NDF:2315472.3/22

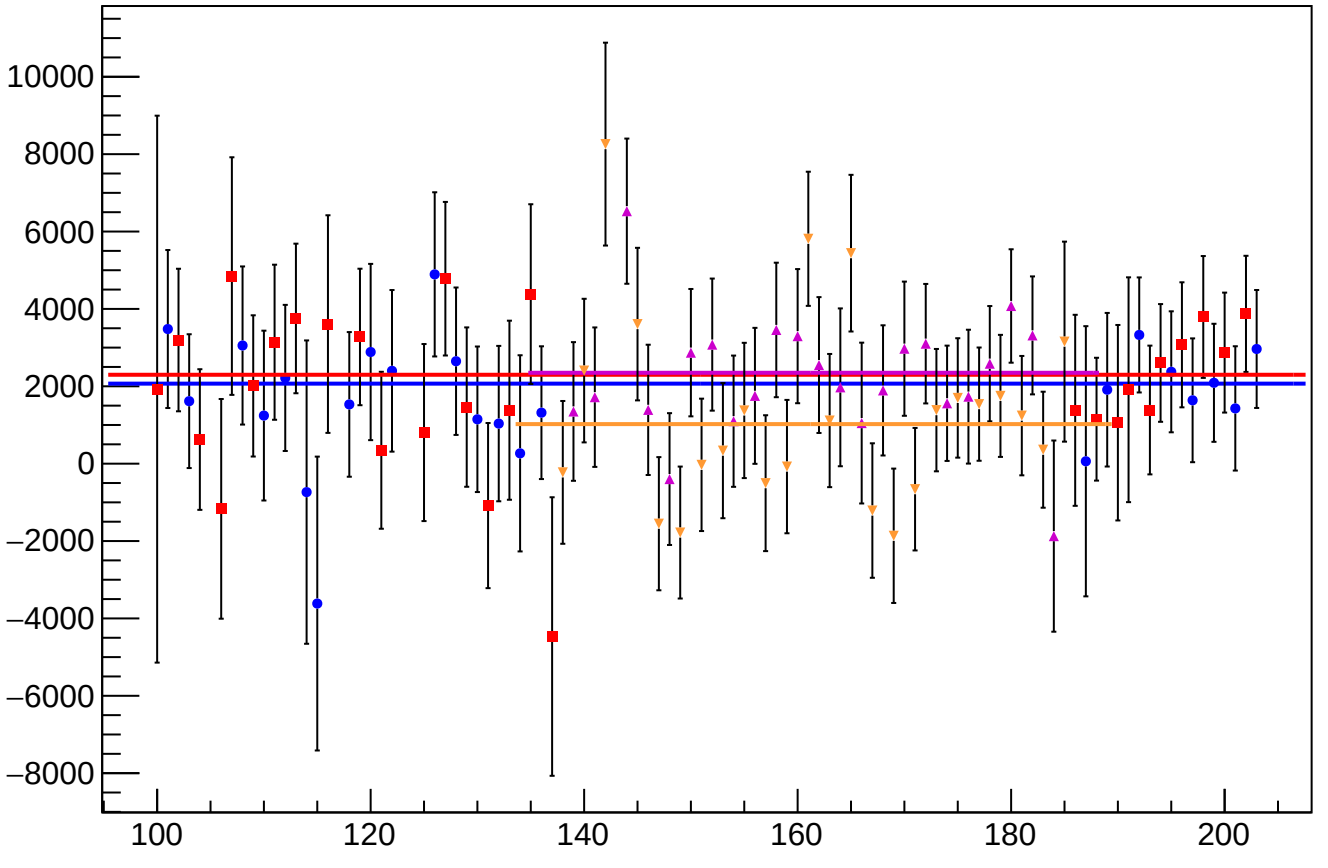
Left: 0.000+/-0.000 χ^2/NDF: 5798902.3/46

Right: 0.000+/-0.000 χ^2/NDF: 14584870.1/51

In: 0.000+/-0.000 χ^2/NDF:9857576.6/46

Out: 0.000+/-0.000 χ^2/NDF:13801283.6/51

All: 0.000+/-0.000 χ^2/NDF: 23689570.7/98



Right In: 2068.692+/-392.156 χ^2/NDF: 8.6/23

Left Out: 1022.603+/-353.459 χ^2/NDF:36.4/23

Right Out: 2298.033+/-378.519 χ^2/NDF: 18.3/27

Left In: 2349.189+/-357.068 χ^2/NDF:16.0/22

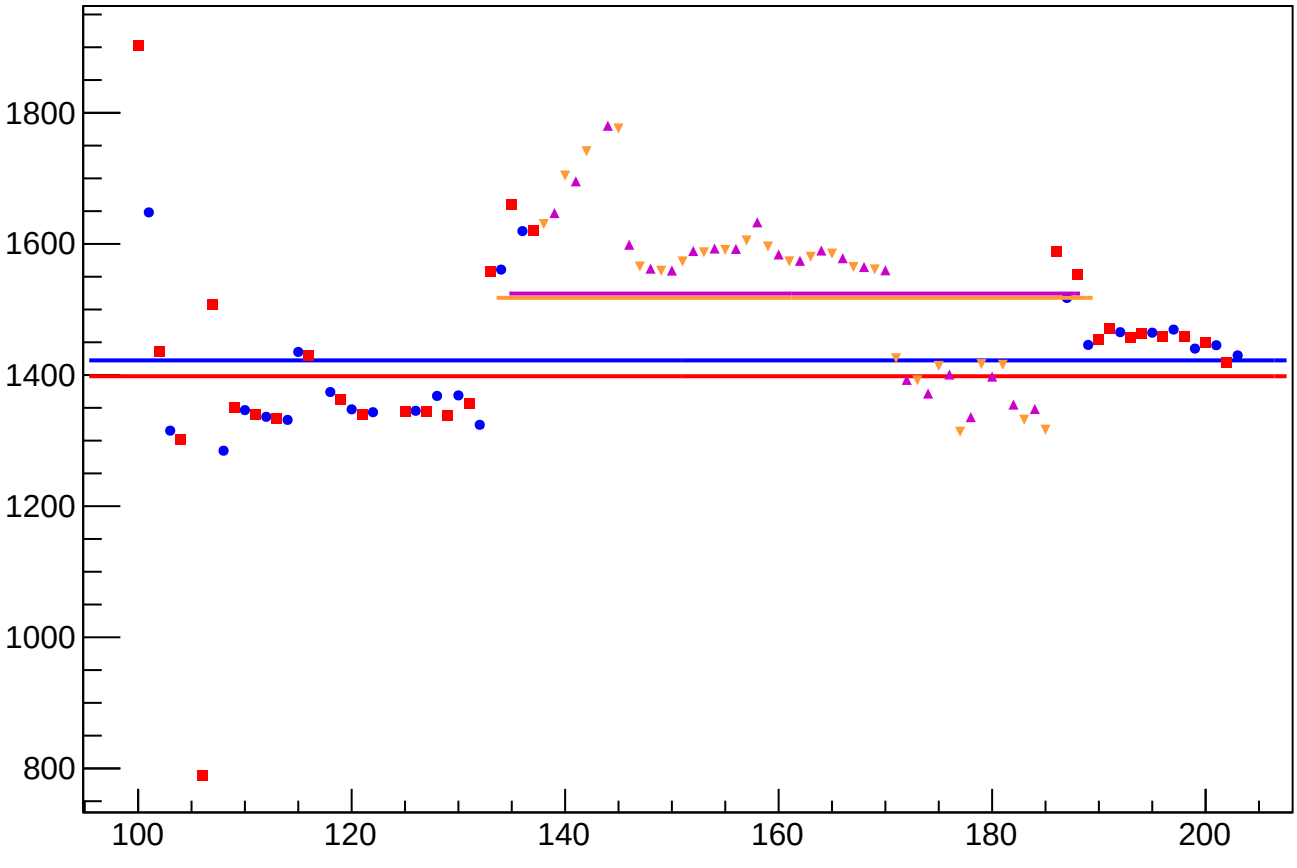
Left: 1679.158+/-251.199 χ^2/NDF: 59.4/46

Right: 2187.419+/-272.347 χ^2/NDF: 27.1/51

In: 2222.048+/-264.020 χ^2/NDF:24.9/46

Out: 1616.704+/-258.339 χ^2/NDF:60.8/51

All: 1912.792+/-184.649 χ^2/NDF: 88.4/98



Right In: 1422.389+/-0.277 χ^2/NDF: 105601.2/23

Left Out: 1517.815+/-0.250 χ^2/NDF:233957.9/23

Right Out: 1398.191+/-0.263 χ^2/NDF: 394241.0/27

Left In: 1524.314+/-0.252 χ^2/NDF:224321.2/22

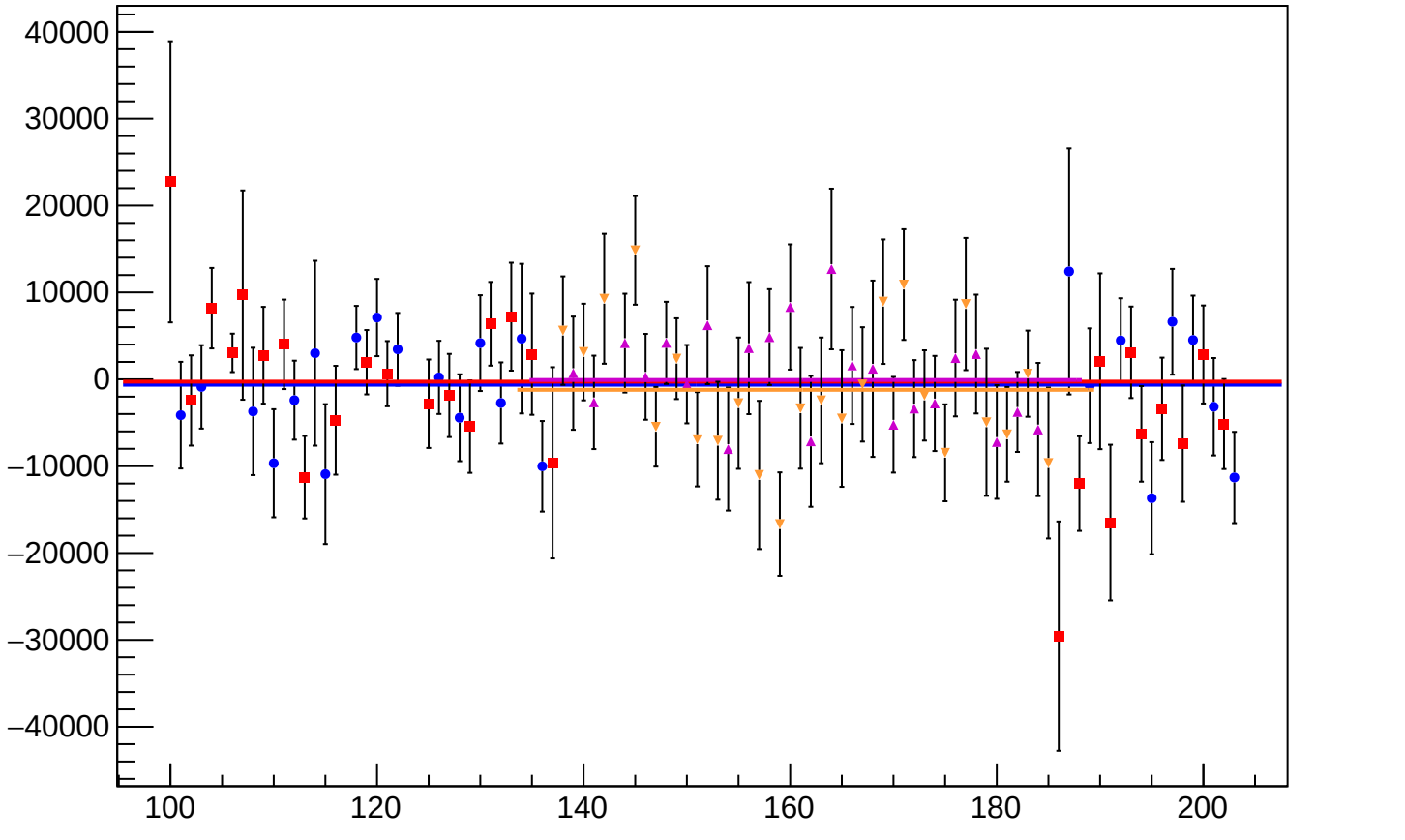
Left: 1521.032+/-0.178 χ^2/NDF: 458613.7/46

Right: 1409.655+/-0.191 χ^2/NDF: 503849.7/51

In: 1478.115+/-0.187 χ^2/NDF:403788.0/46

Out: 1461.073+/-0.181 χ^2/NDF:736860.6/51

All: 1469.340+/-0.130 χ^2/NDF: 1144938.9/98



Right In: -626.250+/-1102.166 χ^2/NDF: 28.7/23

Left Out: -1211.893+/-1268.315 χ^2/NDF:33.2/23

Right Out: -272.874+/-976.882 χ^2/NDF: 38.4/27

Left In: -80.780+/-1264.327 χ^2/NDF:13.2/22

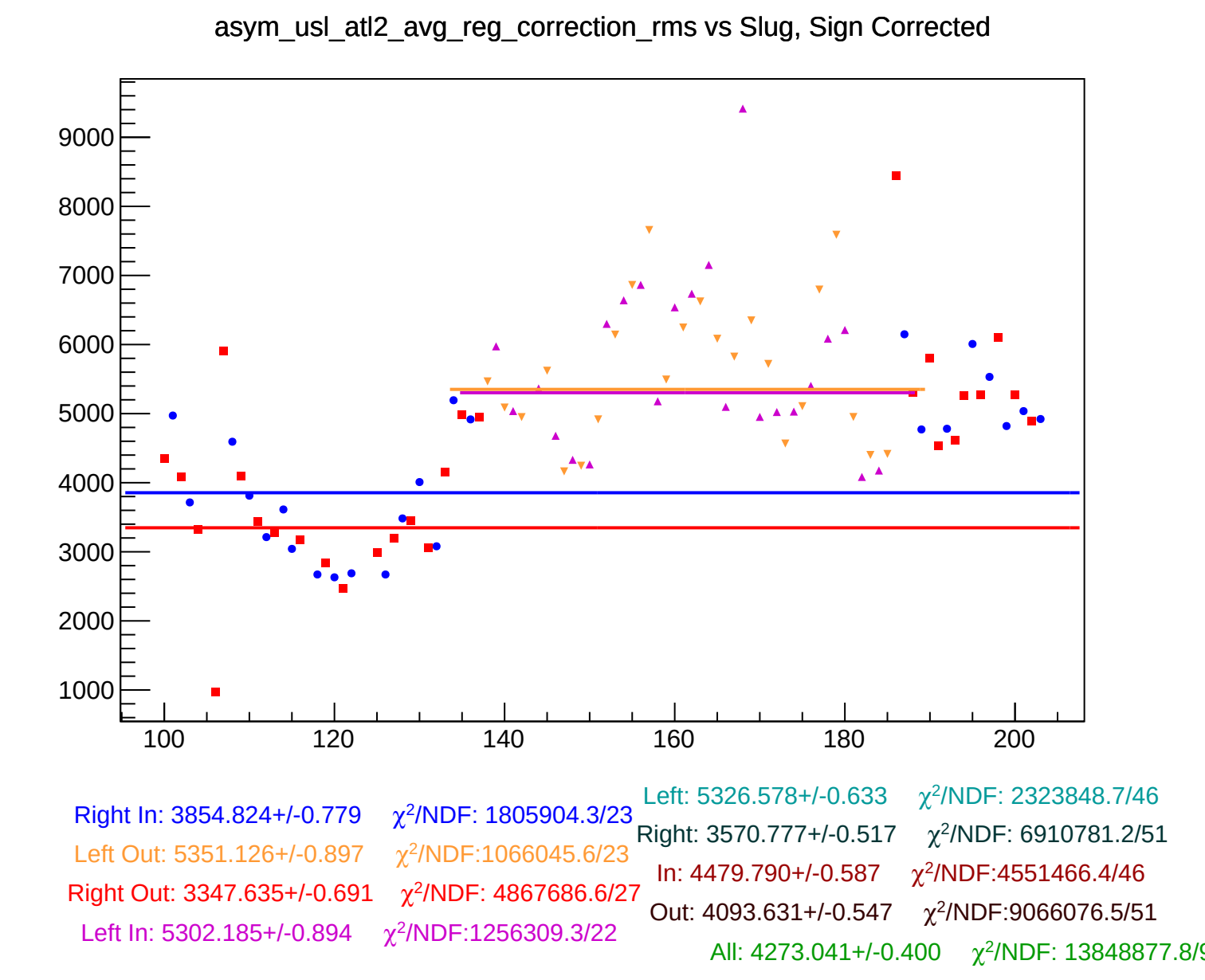
Left: -644.555+/-895.421 χ^2/NDF: 46.8/46

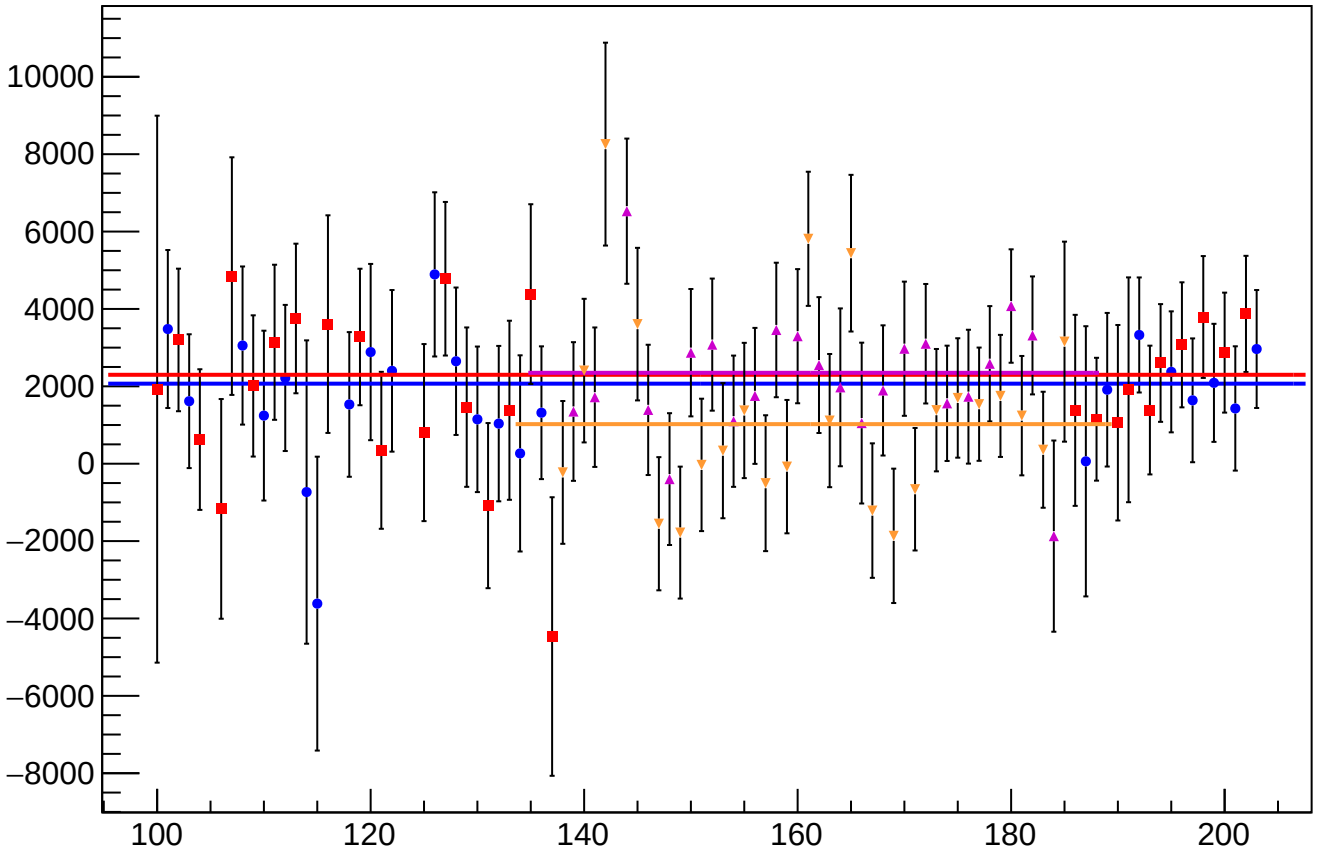
Right: -428.344+/-731.059 χ^2/NDF: 67.2/51

In: -390.718+/-830.805 χ^2/NDF:42.0/46

Out: -622.515+/-773.930 χ^2/NDF:72.0/51

All: -514.822+/-566.291 χ^2/NDF: 114.1/98


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: 3854.824+/-0.779 χ²/NDF: 1805904.3/23
Left Out: 5351.126+/-0.897 χ²/NDF:1066045.6/23
Right Out: 3347.635+/-0.691 χ²/NDF: 4867686.6/27
Left In: 5302.185+/-0.894 χ²/NDF:1256309.3/22
Left: 5326.578+/-0.633 χ²/NDF: 2323848.7/46
Right: 3570.777+/-0.517 χ²/NDF: 6910781.2/51
In: 4479.790+/-0.587 χ²/NDF:4551466.4/46
Out: 4093.631+/-0.547 χ²/NDF:9066076.5/51
All: 4273.041+/-0.400 χ²/NDF: 13848877.8/9



Right In: 2068.708+/-392.156 χ^2/NDF: 8.6/23

Left Out: 1022.634+/-353.459 χ^2/NDF:36.4/23

Right Out: 2298.132+/-378.520 χ^2/NDF: 18.3/27

Left In: 2349.186+/-357.068 χ^2/NDF:16.0/22

Left: 1679.172+/-251.199 χ^2/NDF: 59.4/46

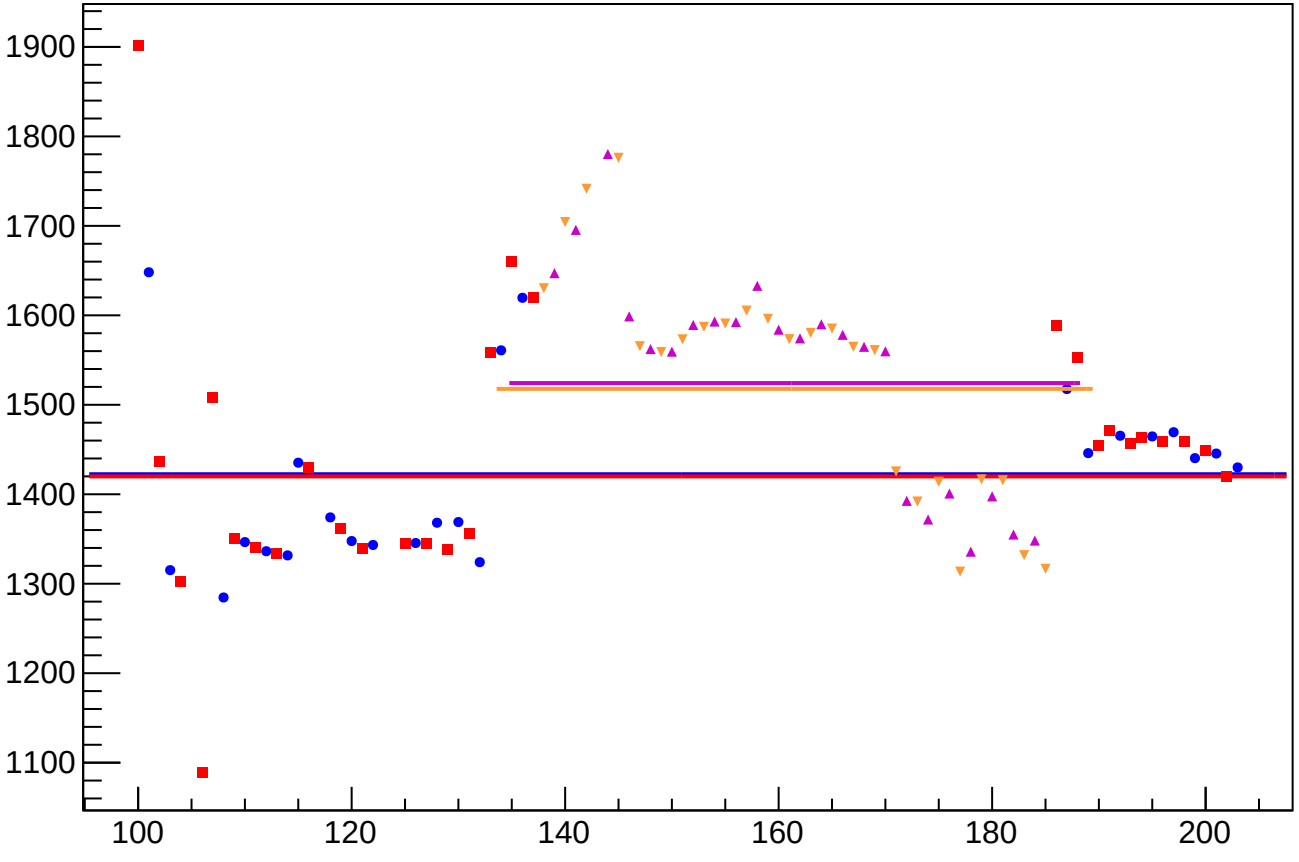
Right: 2187.478+/-272.347 χ^2/NDF: 27.1/51

In: 2222.053+/-264.020 χ^2/NDF:24.9/46

Out: 1616.764+/-258.339 χ^2/NDF:60.8/51

All: 1912.826+/-184.649 χ^2/NDF: 88.4/98

cor_asym_usl_atl2_avg_rms vs Slug, Sign Corrected



Right In: 1422.389+/-0.277 χ^2/NDF: 105601.2/23

Left Out: 1517.815+/-0.250 χ^2/NDF:233957.9/23

Right Out: 1419.936+/-0.266 χ^2/NDF: 158781.8/27

Left In: 1524.314+/-0.252 χ^2/NDF:224321.2/22

Left: 1521.032+/-0.178 χ^2/NDF: 458613.6/46

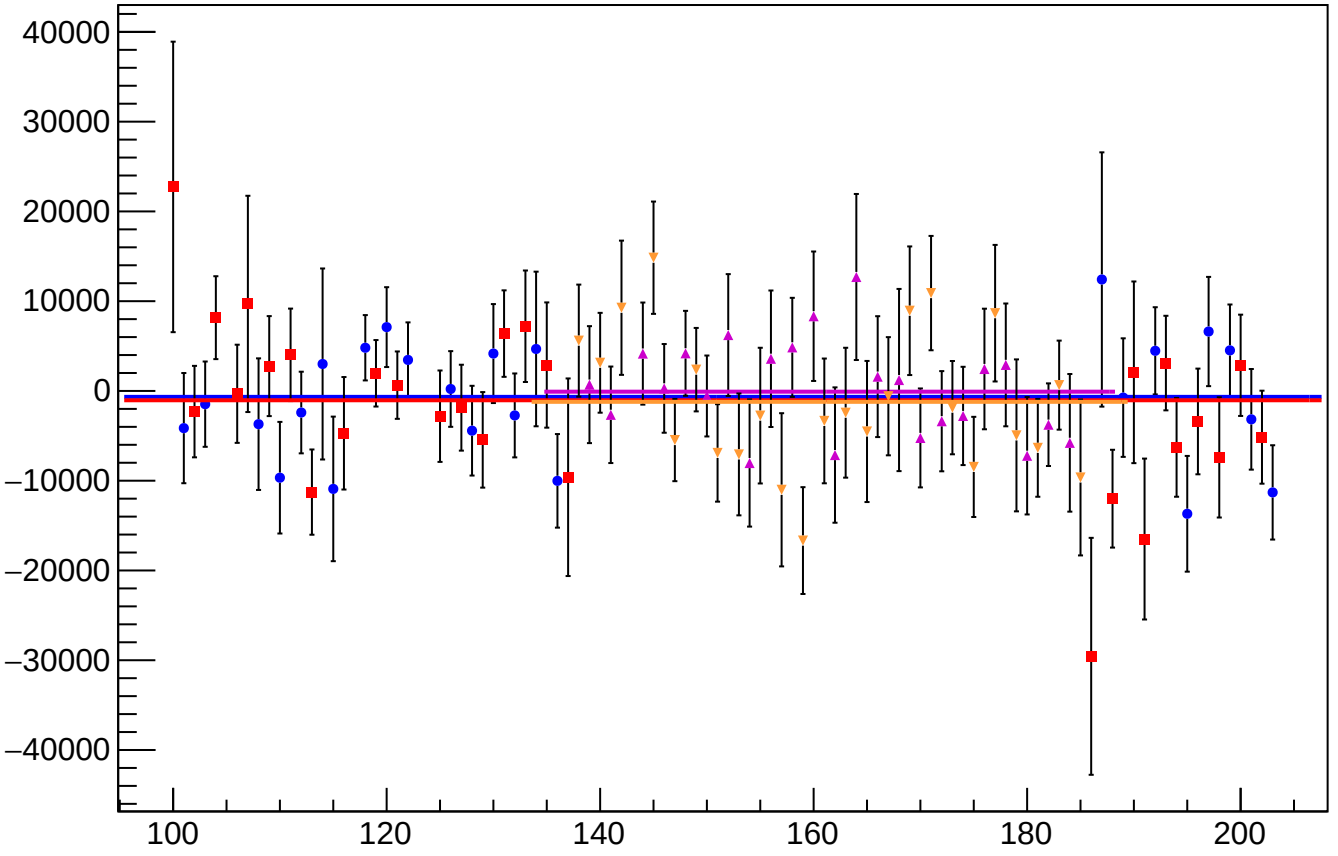
Right: 1421.111+/-0.192 χ^2/NDF: 264423.8/51

In: 1478.115+/-0.187 χ^2/NDF:403788.1/46

Out: 1471.875+/-0.182 χ^2/NDF:464723.9/51

All: 1474.916+/-0.130 χ^2/NDF: 869084.6/98

asym_usl_atl2_avg_cor_correction_mean vs Slug, Sign Corrected



Right In: -658.918+/-1101.559 χ^2/NDF: 28.8/23

Left Out: -1211.889+/-1268.316 χ^2/NDF:33.2/23

Right Out: -1038.556+/-1066.545 χ^2/NDF: 35.7/27

Left In: -80.689+/-1264.325 χ^2/NDF:13.2/22

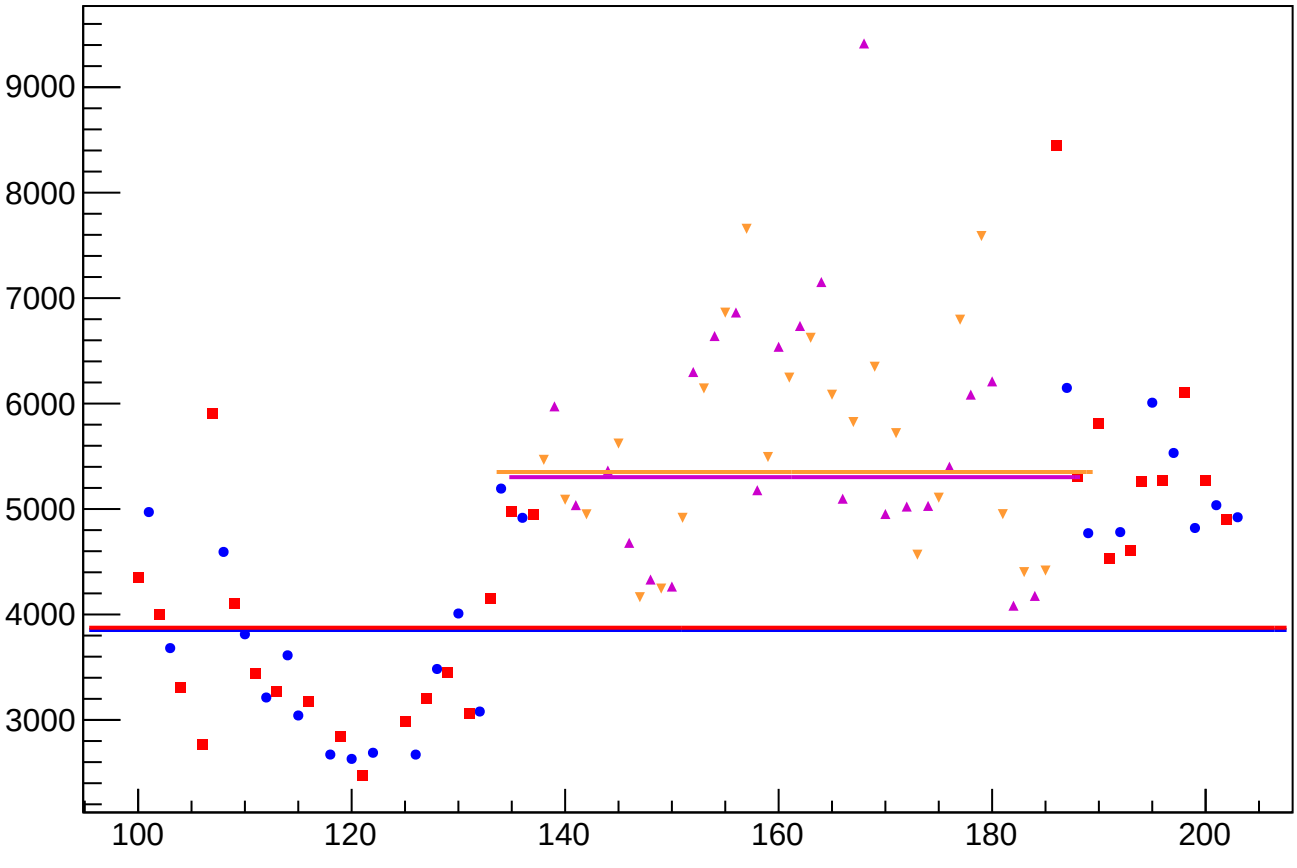
Left: -644.506+/-895.421 χ^2/NDF: 46.8/46

Right: -854.866+/-766.241 χ^2/NDF: 64.5/51

In: -409.396+/-830.544 χ^2/NDF:42.1/46

Out: -1110.355+/-816.291 χ^2/NDF:68.9/51

All: -765.942+/-582.179 χ^2/NDF: 111.4/98



Right In: 3852.850+/-0.779 χ^2/NDF: 1806769.6/23

Left Out: 5351.132+/-0.897 χ^2/NDF:1066039.6/23

Right Out: 3874.590+/-0.754 χ^2/NDF: 2086715.2/27

Left In: 5302.177+/-0.894 χ^2/NDF:1256324.3/22

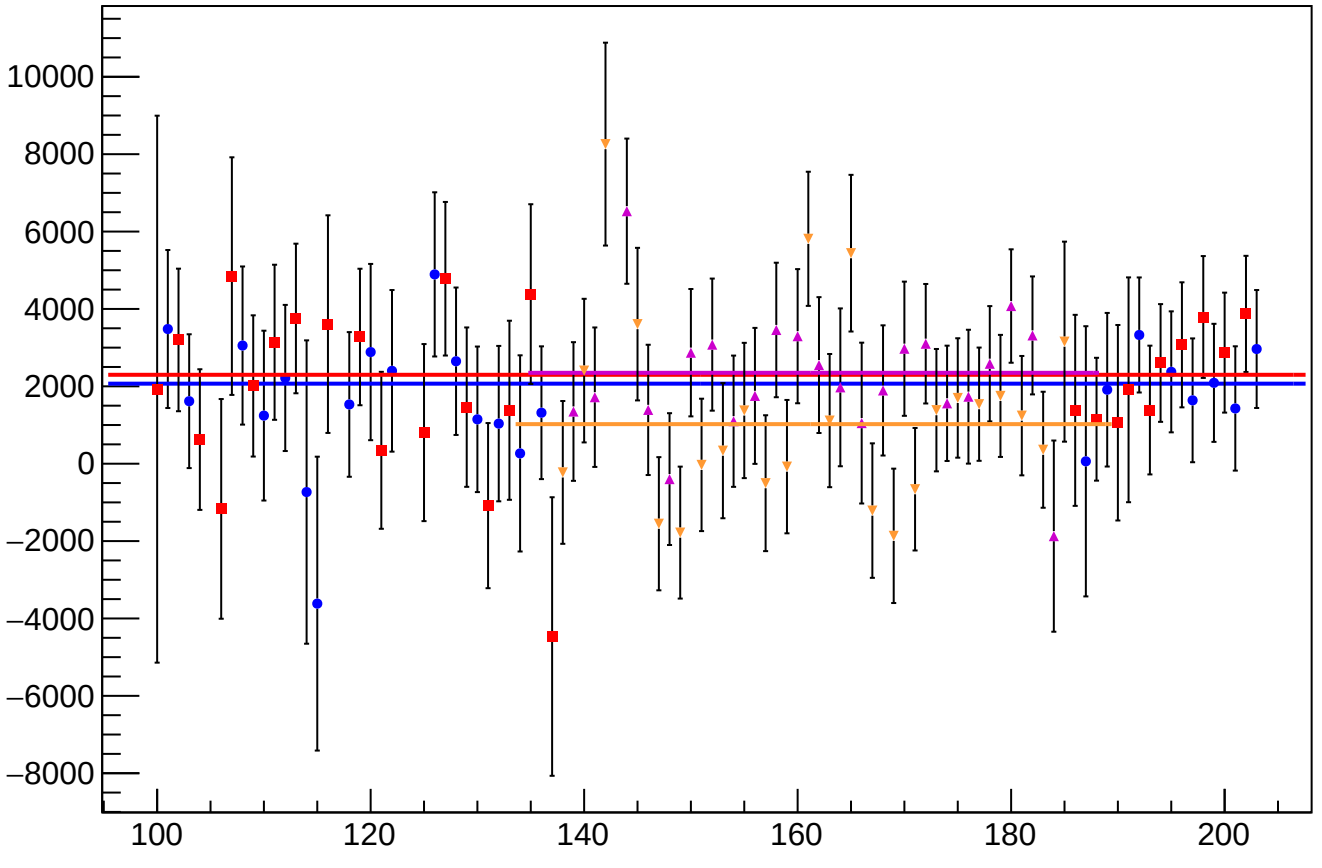
Left: 5326.577+/-0.633 χ^2/NDF: 2323858.4/46

Right: 3864.071+/-0.542 χ^2/NDF: 3893886.9/51

In: 4478.274+/-0.587 χ^2/NDF:4557108.3/46

Out: 4486.208+/-0.577 χ^2/NDF:4740563.9/51

All: 4482.310+/-0.412 χ^2/NDF: 9297765.0/98



Right In: 2068.708+/-392.156 χ^2/NDF: 8.6/23

Left Out: 1022.634+/-353.459 χ^2/NDF:36.4/23

Right Out: 2298.132+/-378.520 χ^2/NDF: 18.3/27

Left In: 2349.186+/-357.068 χ^2/NDF:16.0/22

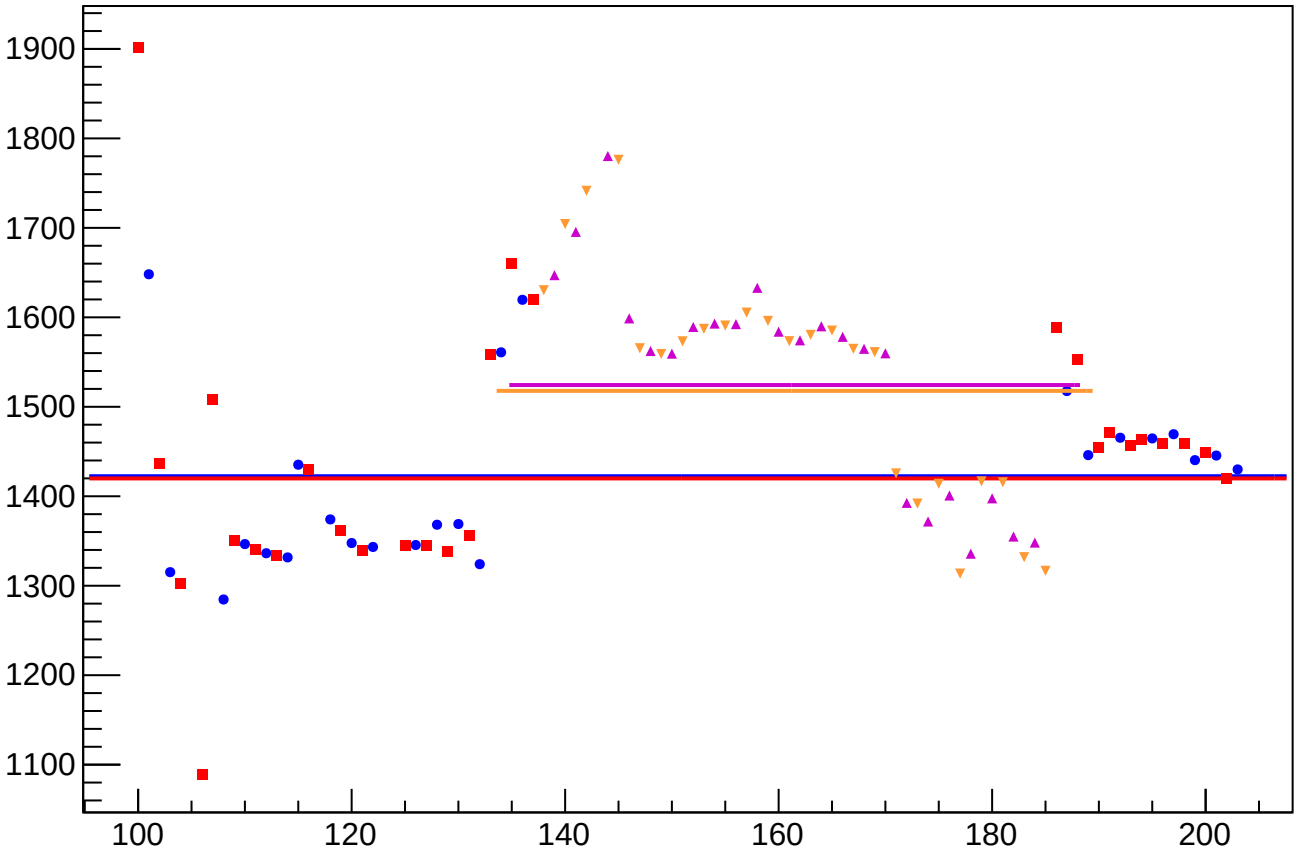
Left: 1679.172+/-251.199 χ^2/NDF: 59.4/46

Right: 2187.478+/-272.347 χ^2/NDF: 27.1/51

In: 2222.053+/-264.020 χ^2/NDF:24.9/46

Out: 1616.764+/-258.339 χ^2/NDF:60.8/51

All: 1912.826+/-184.649 χ^2/NDF: 88.4/98



Right In: 1422.389+/-0.277 χ^2/NDF: 105601.2/23

Left Out: 1517.815+/-0.250 χ^2/NDF:233957.9/23

Right Out: 1419.936+/-0.266 χ^2/NDF: 158781.8/27

Left In: 1524.314+/-0.252 χ^2/NDF:224321.2/22

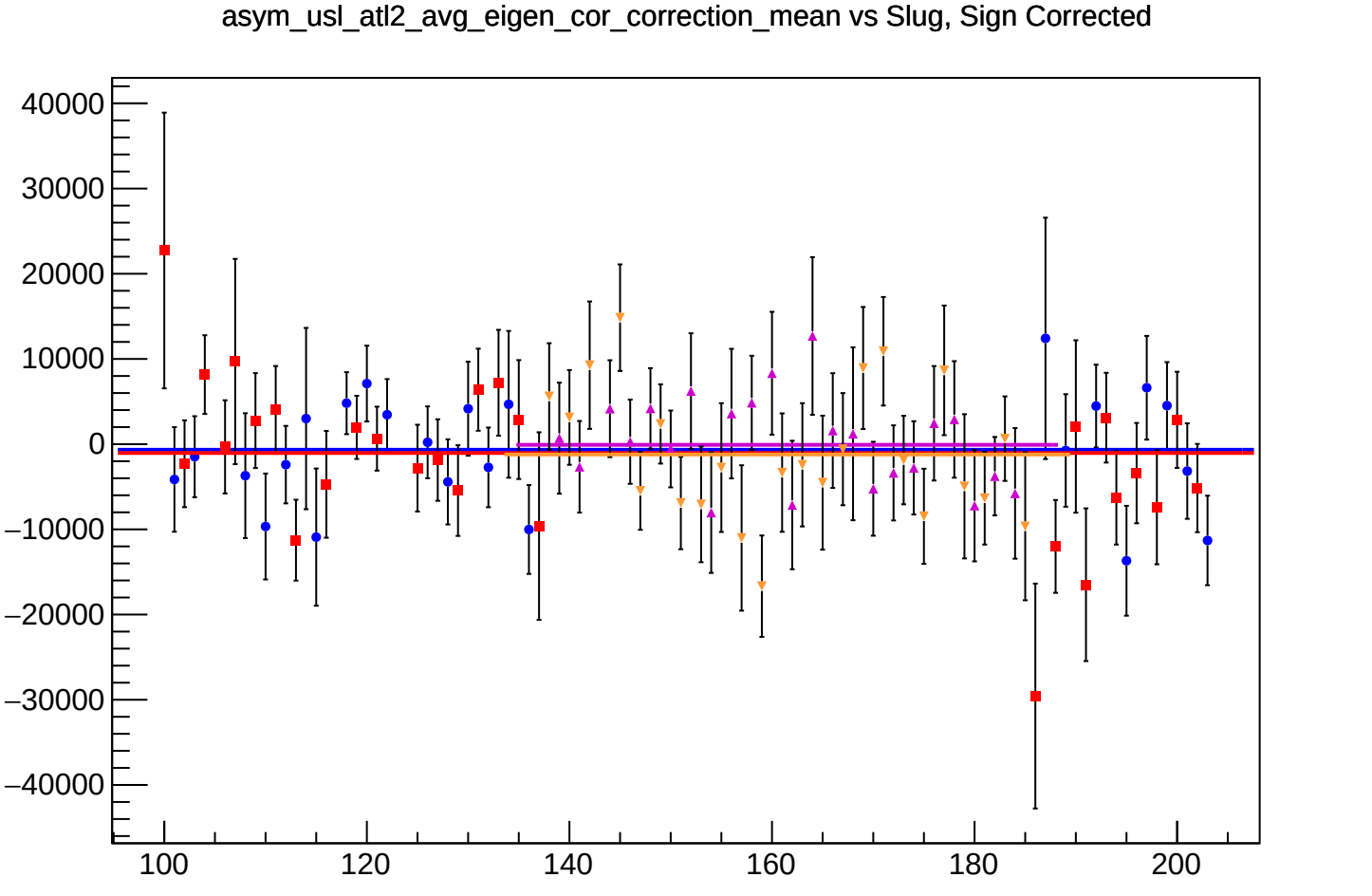
Left: 1521.032+/-0.178 χ^2/NDF: 458613.6/46

Right: 1421.111+/-0.192 χ^2/NDF: 264423.8/51

In: 1478.115+/-0.187 χ^2/NDF:403788.1/46

Out: 1471.875+/-0.182 χ^2/NDF:464723.9/51

All: 1474.916+/-0.130 χ^2/NDF: 869084.6/98



Right In: -658.918+/-1101.559 χ^2/NDF: 28.8/23

Left Out: -1211.889+/-1268.316 χ^2/NDF:33.2/23

Right Out: -1038.556+/-1066.545 χ^2/NDF: 35.7/27

Left In: -80.689+/-1264.325 χ^2/NDF:13.2/22

Left: -644.506+/-895.421 χ^2/NDF: 46.8/46

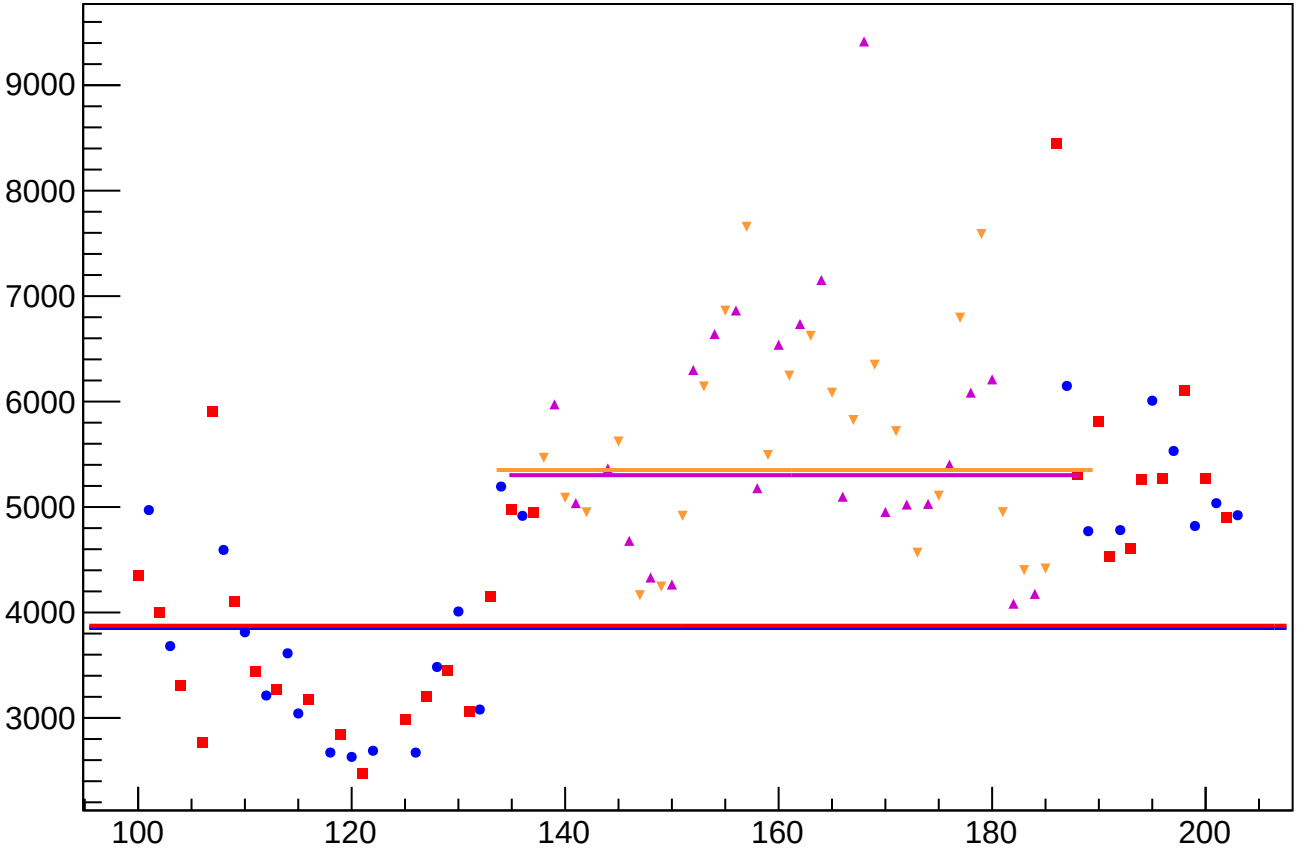
Right: -854.866+/-766.241 χ^2/NDF: 64.5/51

In: -409.396+/-830.544 χ^2/NDF:42.1/46

Out: -1110.355+/-816.291 χ^2/NDF:68.9/51

All: -765.942+/-582.179 χ^2/NDF: 111.4/98

asym_usl_atl2_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 3852.850+/-0.779 χ^2/NDF: 1806769.6/23

Left Out: 5351.132+/-0.897 χ^2/NDF:1066039.6/23

Right Out: 3874.590+/-0.754 χ^2/NDF: 2086715.2/27

Left In: 5302.177+/-0.894 χ^2/NDF:1256324.3/22

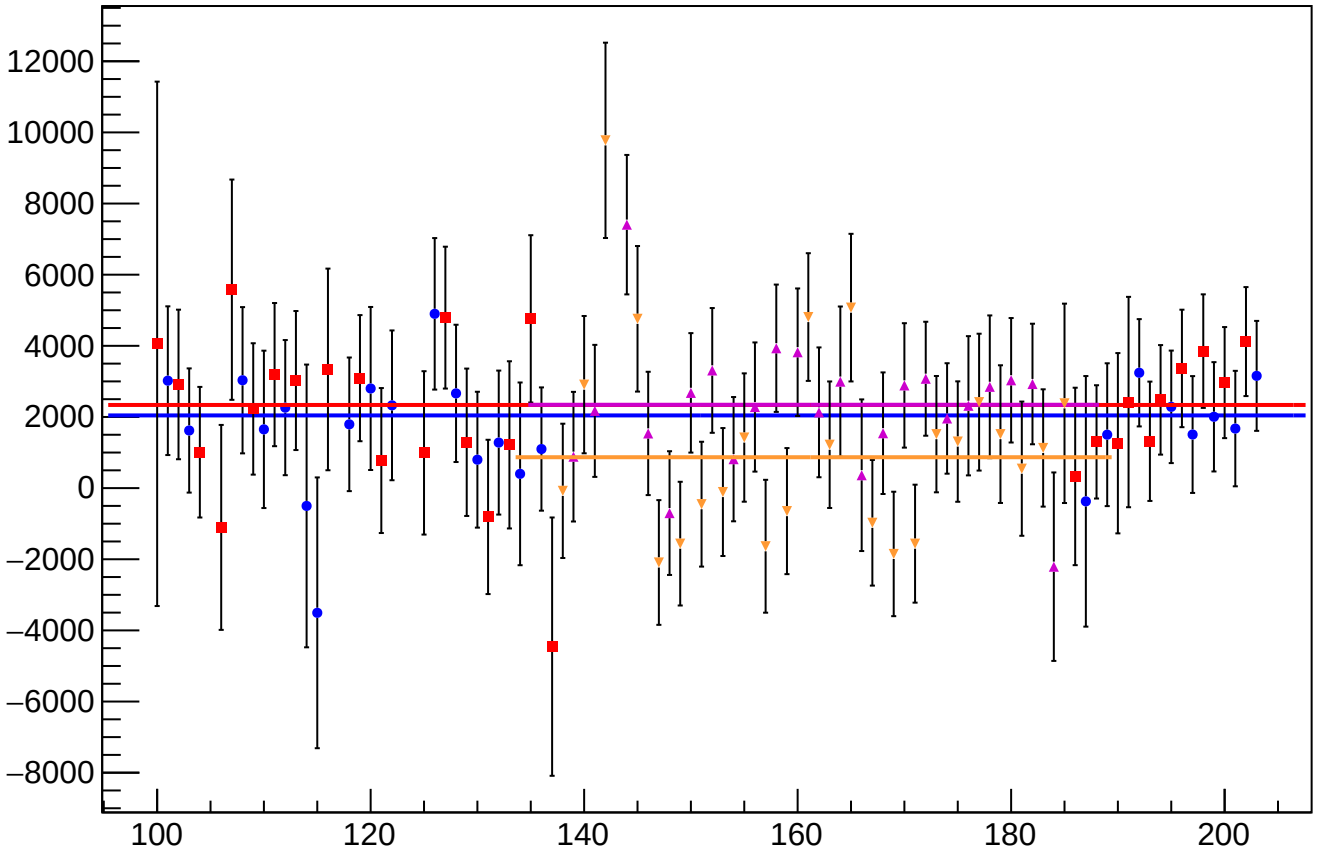
Left: 5326.577+/-0.633 χ^2/NDF: 2323858.4/46

Right: 3864.071+/-0.542 χ^2/NDF: 3893886.9/51

In: 4478.274+/-0.587 χ^2/NDF:4557108.3/46

Out: 4486.208+/-0.577 χ^2/NDF:4740563.9/51

All: 4482.310+/-0.412 χ^2/NDF: 9297765.0/98



Right In: 2043.693+/-396.537 χ^2/NDF: 8.3/23

Left Out: 868.415+/-377.179 χ^2/NDF:39.7/23

Right Out: 2337.558+/-384.218 χ^2/NDF: 17.8/27

Left In: 2342.303+/-378.114 χ^2/NDF:18.0/22

Left: 1603.536+/-267.036 χ^2/NDF: 65.4/46

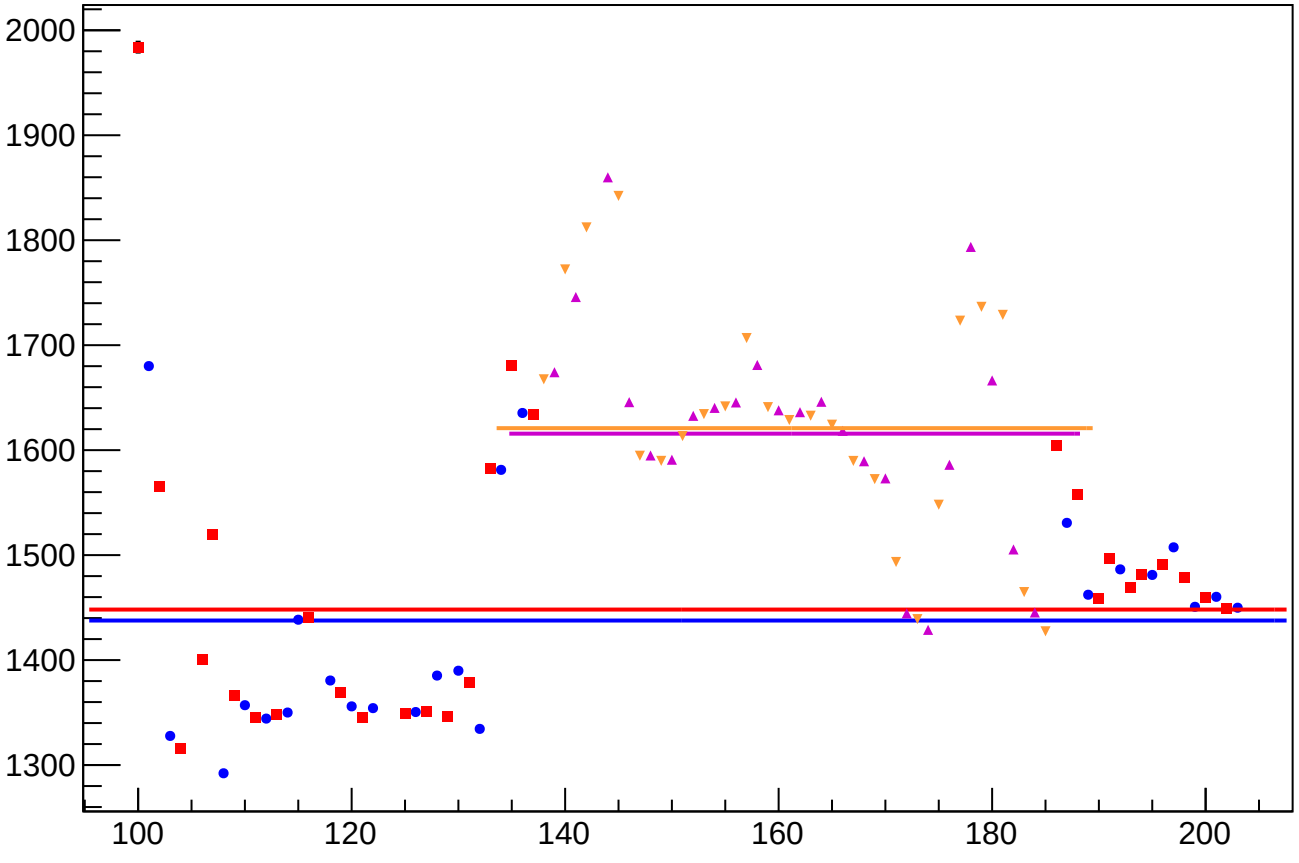
Right: 2195.261+/-275.935 χ^2/NDF: 26.4/51

In: 2200.095+/-273.648 χ^2/NDF:26.6/46

Out: 1589.407+/-269.160 χ^2/NDF:65.0/51

All: 1889.702+/-191.892 χ^2/NDF: 94.2/98

dit_asym_usl_atl2_avg_rms vs Slug, Sign Corrected



Right In: 1437.682+/-0.280 χ^2/NDF: 113987.2/23

Left Out: 1620.945+/-0.267 χ^2/NDF:141985.5/23

Right Out: 1448.133+/-0.271 χ^2/NDF: 120406.8/27

Left In: 1615.705+/-0.267 χ^2/NDF:137139.2/22

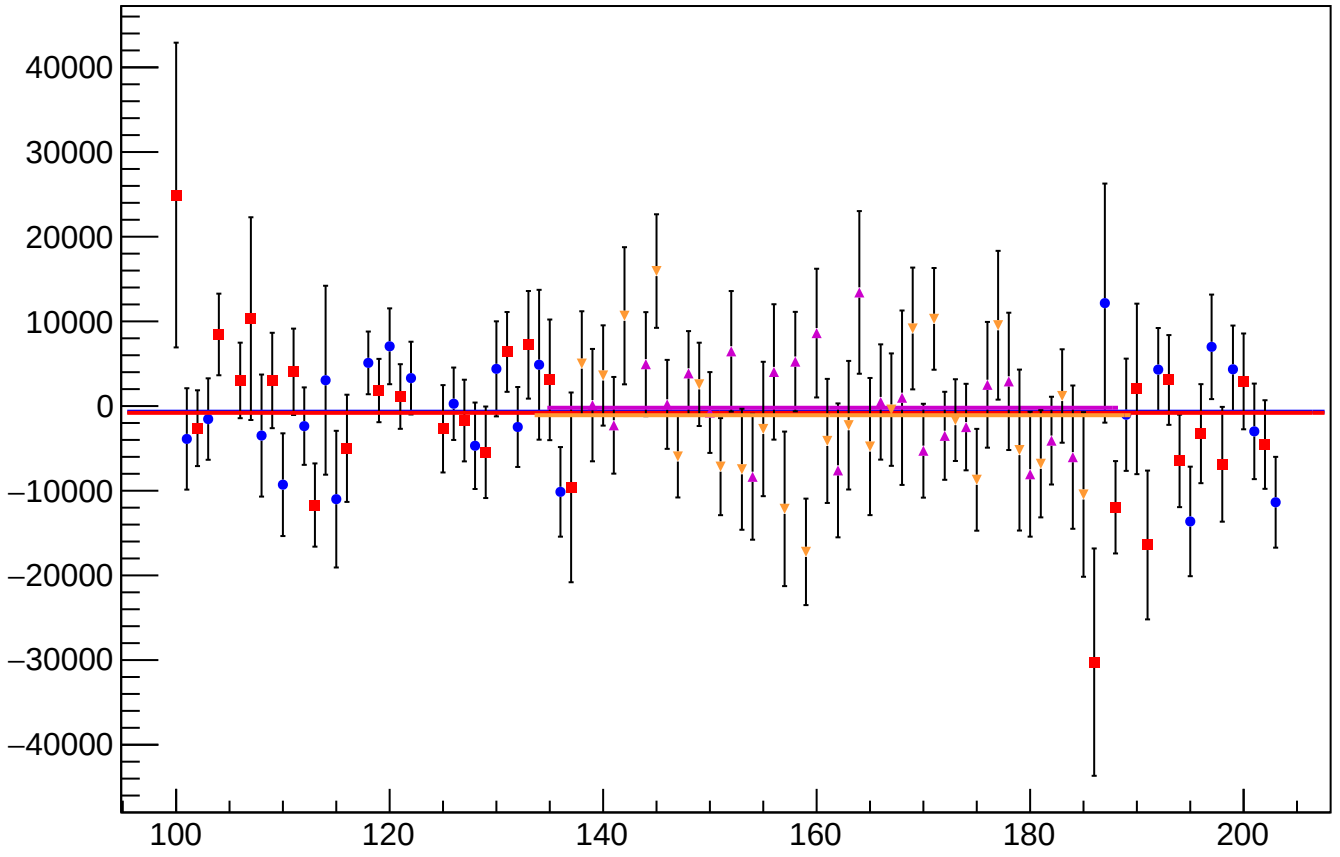
Left: 1618.331+/-0.189 χ^2/NDF: 279317.2/46

Right: 1443.079+/-0.195 χ^2/NDF: 235111.5/51

In: 1530.925+/-0.193 χ^2/NDF:462259.0/46

Out: 1536.014+/-0.190 χ^2/NDF:468728.1/51

All: 1533.513+/-0.136 χ^2/NDF: 931339.0/98



Right In: -666.947+/-1113.220 χ^2/NDF: 28.4/23

Left Out: -1082.232+/-1332.403 χ^2/NDF:32.9/23

Right Out: -800.647+/-1058.832 χ^2/NDF: 36.5/27

Left In: -201.662+/-1326.173 χ^2/NDF:12.9/22

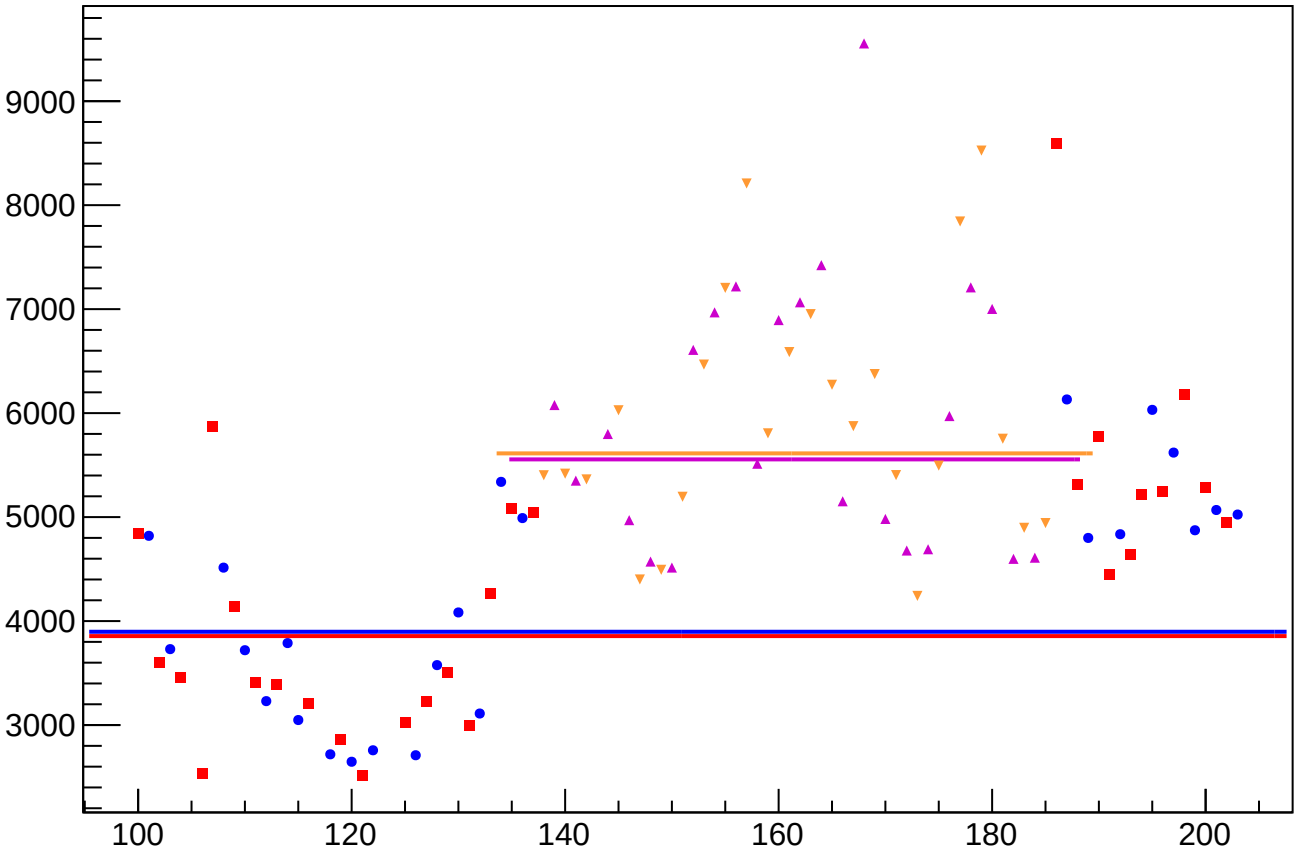
Left: -639.884+/-939.941 χ^2/NDF: 46.1/46

Right: -737.143+/-767.214 χ^2/NDF: 64.8/51

In: -474.615+/-852.640 χ^2/NDF:41.3/46

Out: -909.641+/-828.956 χ^2/NDF:69.5/51

All: -698.254+/-594.357 χ^2/NDF: 110.9/98



Right In: 3897.309+/-0.787 χ^2/NDF: 1768389.9/23

Left Out: 5612.730+/-0.942 χ^2/NDF:1188118.0/23

Right Out: 3855.644+/-0.749 χ^2/NDF: 2158715.8/27

Left In: 5554.927+/-0.938 χ^2/NDF:1332970.4/22

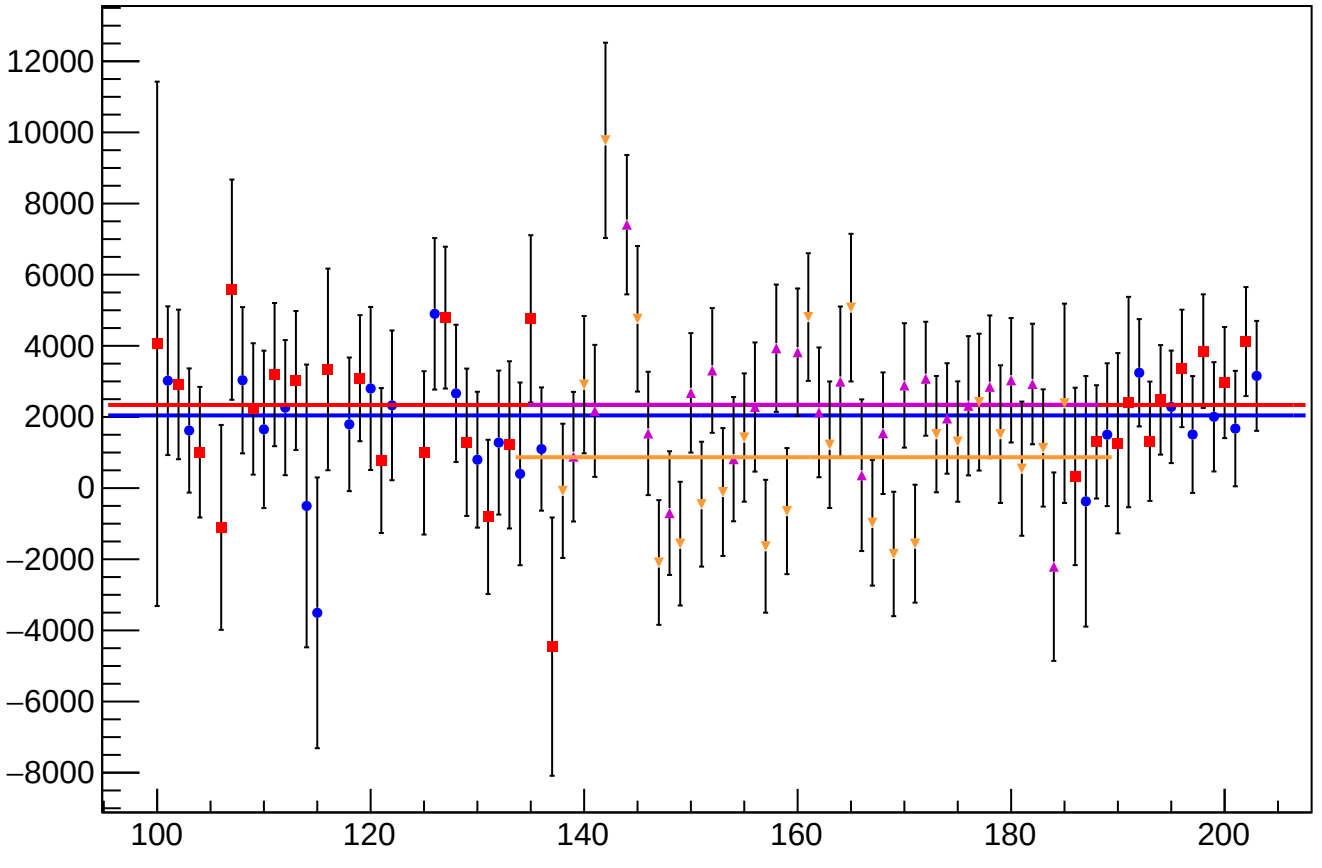
Left: 5583.693+/-0.665 χ^2/NDF: 2522979.3/46

Right: 3875.434+/-0.543 χ^2/NDF: 3928576.7/51

In: 4582.506+/-0.603 χ^2/NDF:4934382.1/46

Out: 4535.764+/-0.586 χ^2/NDF:5478671.8/51

All: 4558.477+/-0.420 χ^2/NDF: 10416143.9/9



Right In: 2043.689+/-396.537 χ^2/NDF: 8.3/23

Left Out: 868.410+/-377.180 χ^2/NDF:39.7/23

Right Out: 2337.558+/-384.218 χ^2/NDF: 17.8/27

Left In: 2342.303+/-378.114 χ^2/NDF:18.0/22

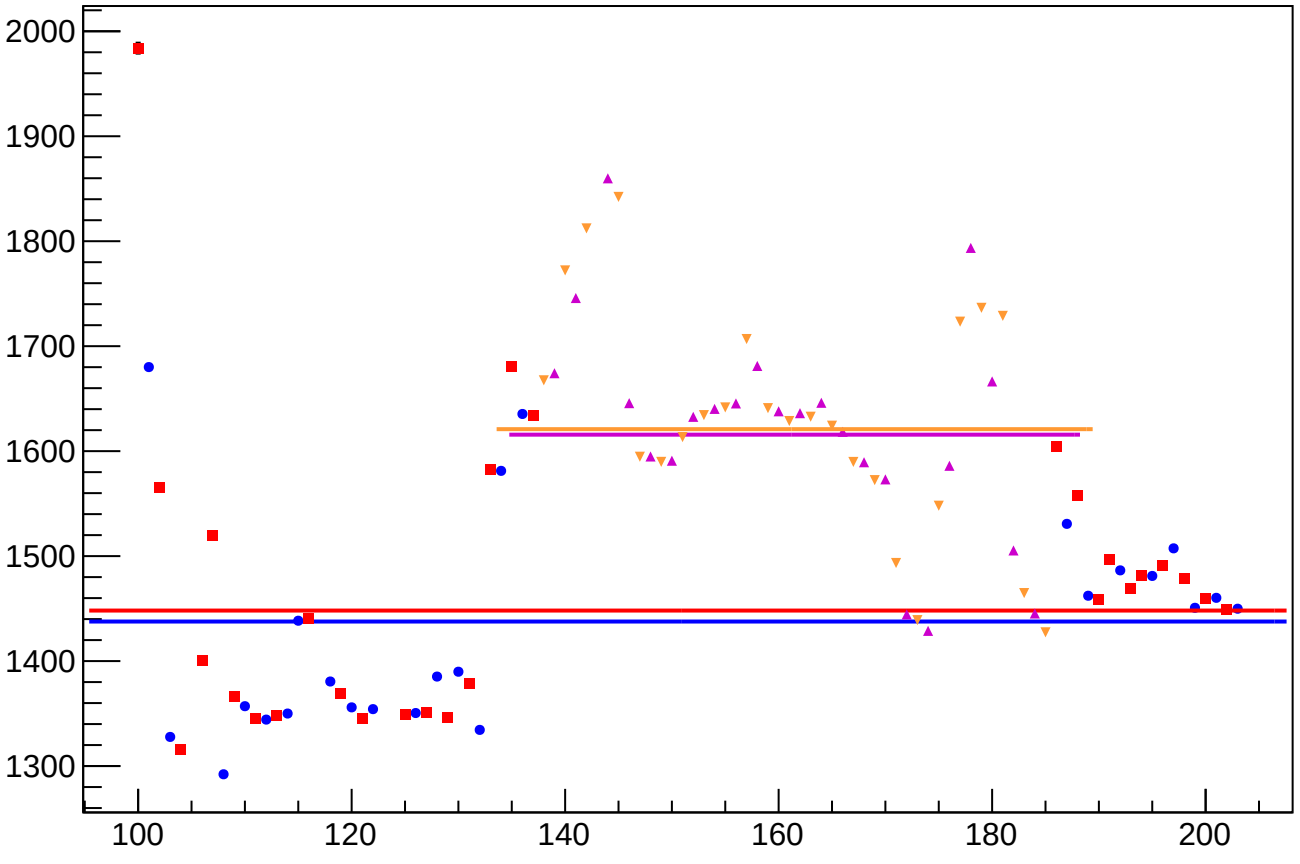
Left: 1603.533+/-267.036 χ^2/NDF: 65.4/46

Right: 2195.259+/-275.935 χ^2/NDF: 26.4/51

In: 2200.094+/-273.648 χ^2/NDF:26.6/46

Out: 1589.404+/-269.160 χ^2/NDF:65.0/51

All: 1889.700+/-191.892 χ^2/NDF: 94.2/98



Right In: 1437.682+/-0.280 χ^2/NDF: 113987.3/23

Left Out: 1620.946+/-0.267 χ^2/NDF:141990.3/23

Right Out: 1448.133+/-0.271 χ^2/NDF: 120406.9/27

Left In: 1615.706+/-0.267 χ^2/NDF:137144.0/22

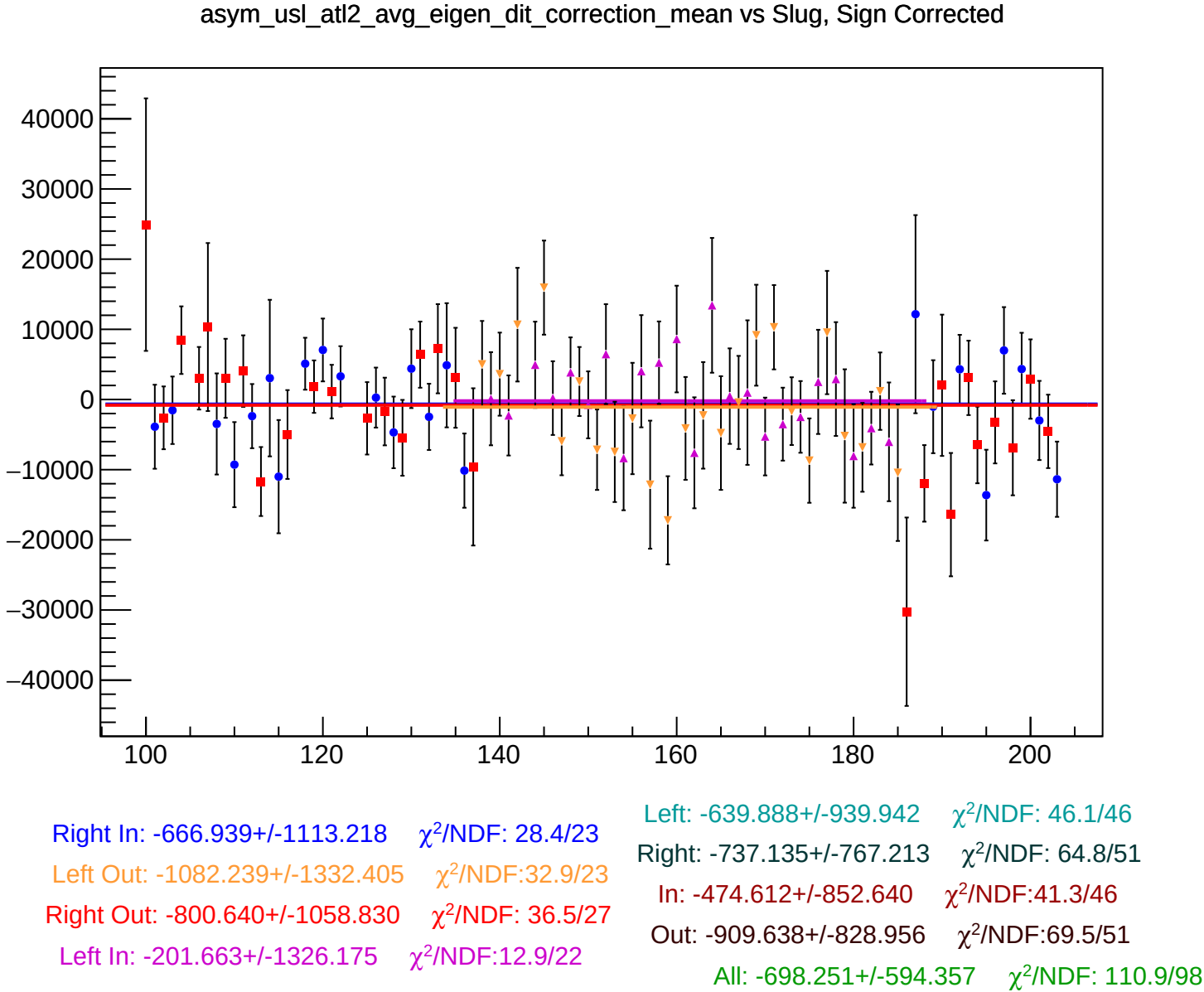
Left: 1618.333+/-0.189 χ^2/NDF: 279326.8/46

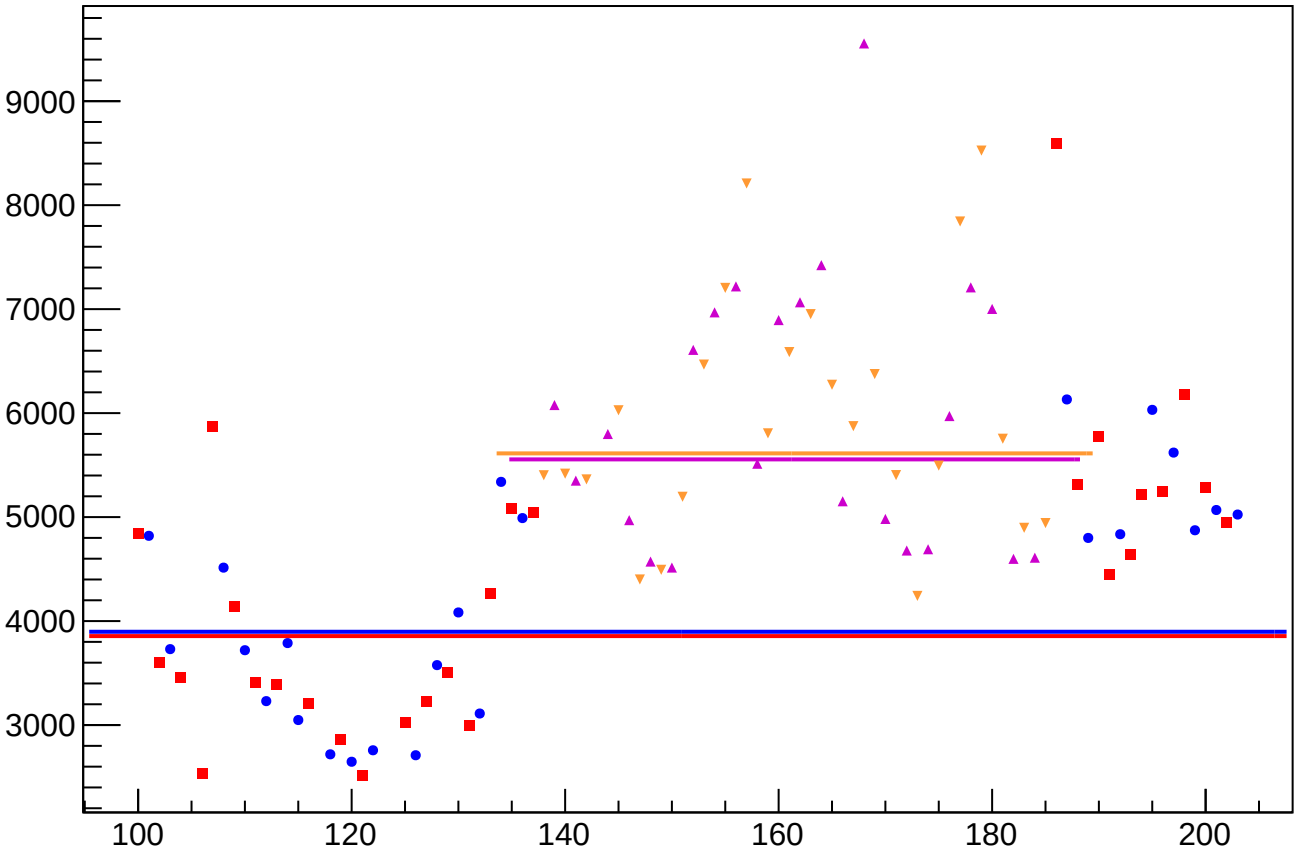
Right: 1443.079+/-0.195 χ^2/NDF: 235111.7/51

In: 1530.925+/-0.193 χ^2/NDF:462266.3/46

Out: 1536.015+/-0.190 χ^2/NDF:468736.0/51

All: 1533.514+/-0.136 χ^2/NDF: 931354.2/98


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: -666.939+/-1113.218 χ²/NDF: 28.4/23
Left Out: -1082.239+/-1332.405 χ²/NDF:32.9/23
Right Out: -800.640+/-1058.830 χ²/NDF: 36.5/27
Left In: -201.663+/-1326.175 χ²/NDF:12.9/22
Left: -639.888+/-939.942 χ²/NDF: 46.1/46
Right: -737.135+/-767.213 χ²/NDF: 64.8/51
In: -474.612+/-852.640 χ²/NDF:41.3/46
Out: -909.638+/-828.956 χ²/NDF:69.5/51
All: -698.251+/-594.357 χ²/NDF: 110.9/98



Right In: 3897.300+/-0.787 χ^2/NDF: 1768419.5/23

Left Out: 5612.739+/-0.942 χ^2/NDF:1188118.8/23

Right Out: 3855.636+/-0.749 χ^2/NDF: 2158740.1/27

Left In: 5554.935+/-0.938 χ^2/NDF:1332972.0/22

Left: 5583.702+/-0.665 χ^2/NDF: 2522981.7/46

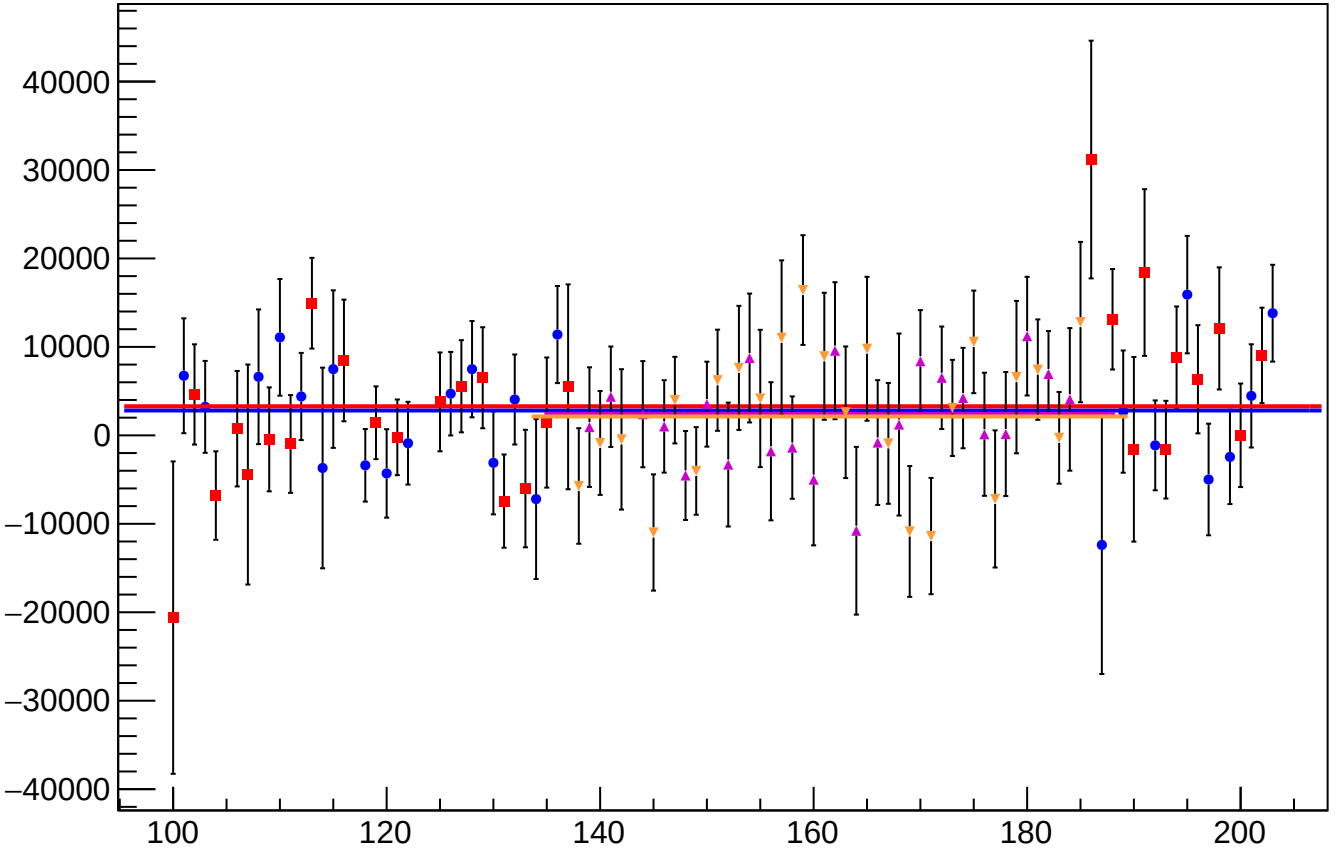
Right: 3875.425+/-0.543 χ^2/NDF: 3928630.5/51

In: 4582.502+/-0.603 χ^2/NDF:4934451.5/46

Out: 4535.759+/-0.586 χ^2/NDF:5478738.0/51

All: 4558.472+/-0.420 χ^2/NDF: 10416279.5/9

asym_usl_atl2_avg_mean vs Slug, Sign Corrected



Right In: 2811.045+/-1186.835 χ^2/NDF: 25.7/23

Left Out: 2138.140+/-1324.387 χ^2/NDF:30.7/23

Right Out: 3290.319+/-1151.193 χ^2/NDF: 36.0/27

Left In: 2428.059+/-1321.080 χ^2/NDF:12.9/22

Left: 2283.462+/-935.312 χ^2/NDF: 43.6/46

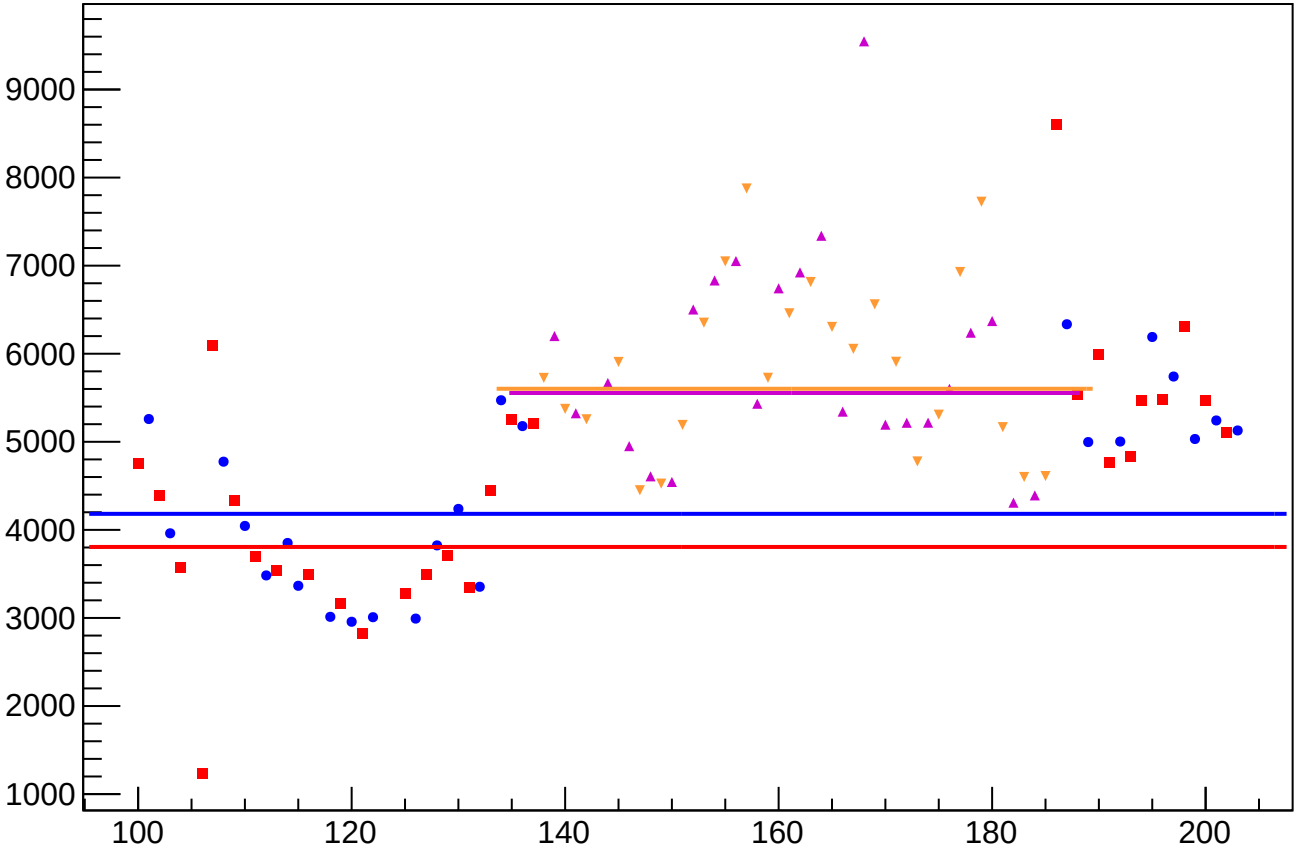
Right: 3057.986+/-826.330 χ^2/NDF: 61.8/51

In: 2639.994+/-882.877 χ^2/NDF:38.6/46

Out: 2794.444+/-868.842 χ^2/NDF:67.1/51

All: 2718.456+/-619.267 χ^2/NDF: 105.7/98

asym_usl_atl2_avg_rms vs Slug, Sign Corrected



Right In: 4182.064+/-0.839 χ^2/NDF: 1439551.4/23

Left Out: 5602.266+/-0.936 χ^2/NDF:940451.0/23

Right Out: 3806.105+/-0.765 χ^2/NDF: 3563871.6/27

Left In: 5554.054+/-0.934 χ^2/NDF:1112177.4/22

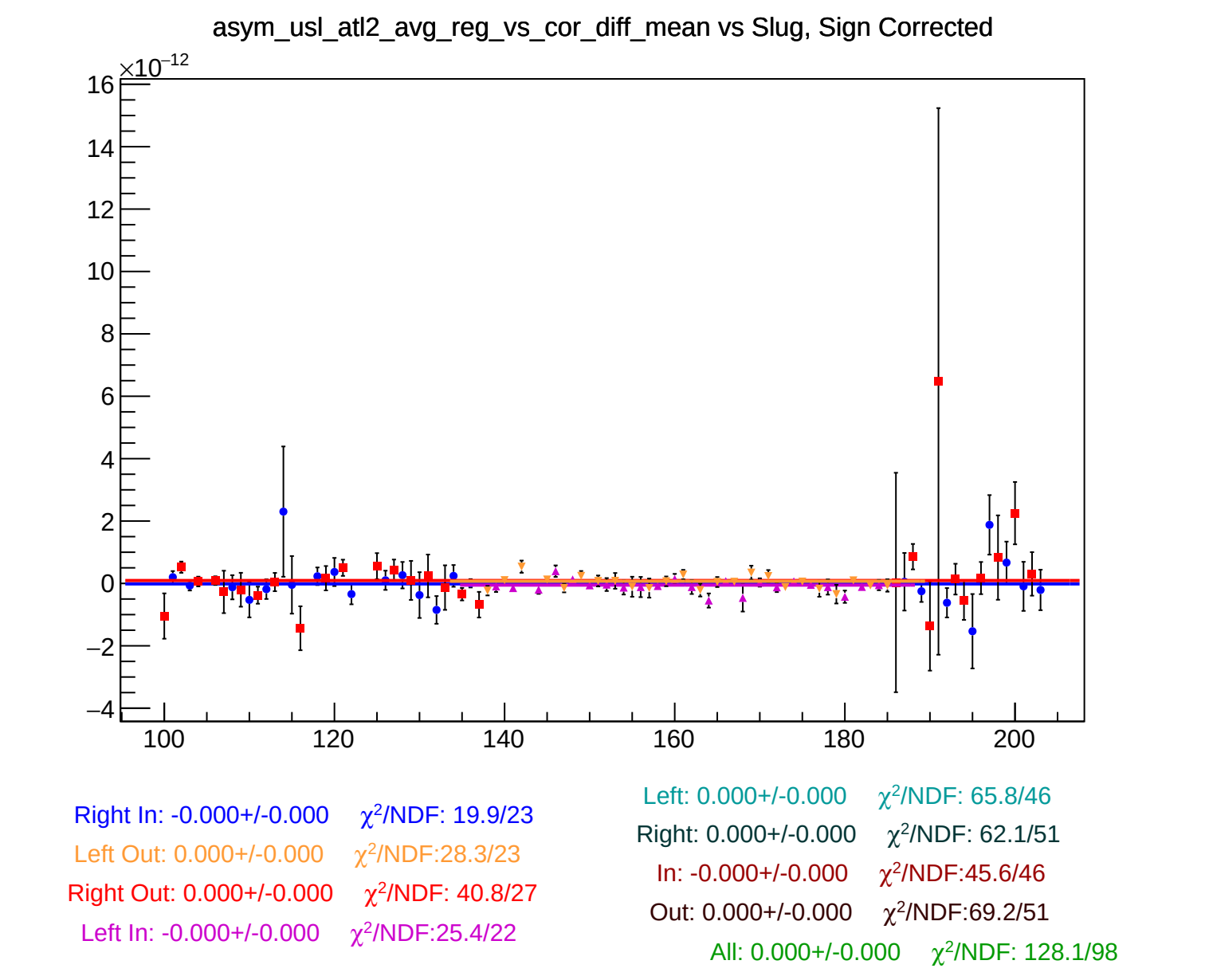
Left: 5578.100+/-0.661 χ^2/NDF: 2053956.9/46

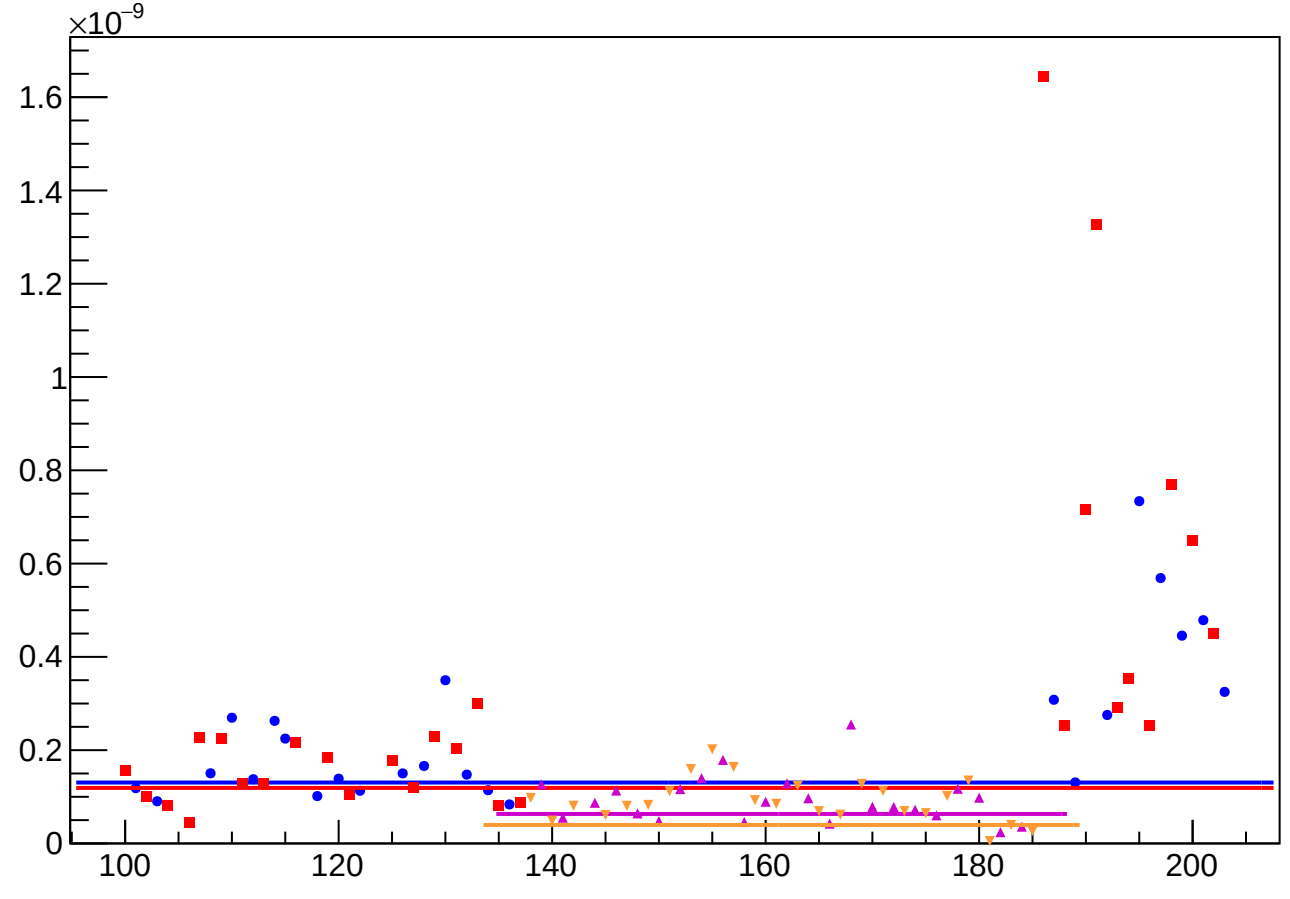
Right: 3976.657+/-0.565 χ^2/NDF: 5113072.3/51

In: 4794.827+/-0.624 χ^2/NDF:3745427.9/46

Out: 4524.651+/-0.592 χ^2/NDF:6711356.5/51

All: 4652.644+/-0.430 χ^2/NDF: 10555350.0/9


asym_usl_atl2_avg_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
16
14
12
10
8
6
4
2
0
−2
−4
100
120
140
160
180
200
Right In: -0.000+/-0.000 χ²/NDF: 19.9/23
Left Out: 0.000+/-0.000 χ²/NDF:28.3/23
Right Out: 0.000+/-0.000 χ²/NDF: 40.8/27
Left In: -0.000+/-0.000 χ²/NDF:25.4/22
Left: 0.000+/-0.000 χ²/NDF: 65.8/46
Right: 0.000+/-0.000 χ²/NDF: 62.1/51
In: -0.000+/-0.000 χ²/NDF:45.6/46
Out: 0.000+/-0.000 χ²/NDF:69.2/51
All: 0.000+/-0.000 χ²/NDF: 128.1/98



Right In: 0.000+/-0.000 χ^2/NDF: 2982274.4/23

Left Out: 0.000+/-0.000 χ^2/NDF:6954816.0/23

Right Out: 0.000+/-0.000 χ^2/NDF: 4391993.6/27

Left In: 0.000+/-0.000 χ^2/NDF:2922990.6/22

Left: 0.000+/-0.000 χ^2/NDF: 10753766.3/46

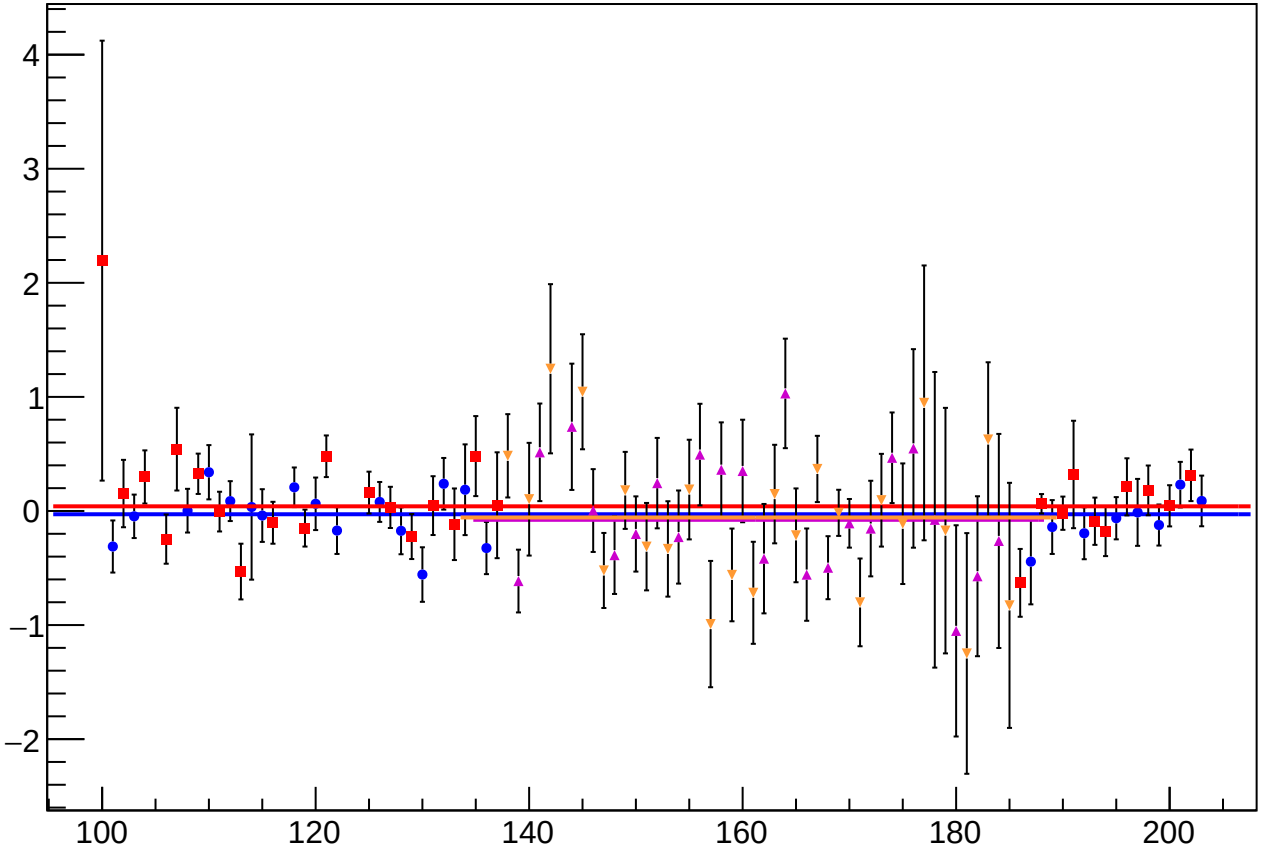
Right: 0.000+/-0.000 χ^2/NDF: 7405962.0/51

In: 0.000+/-0.000 χ^2/NDF:7633041.3/46

Out: 0.000+/-0.000 χ^2/NDF:14181122.6/51

All: 0.000+/-0.000 χ^2/NDF: 22946136.8/98

asym_usl_atl2_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.029+/-0.045 χ^2/NDF: 20.3/23

Left Out: -0.057+/-0.085 χ^2/NDF:30.4/23

Right Out: 0.041+/-0.038 χ^2/NDF: 35.7/27

Left In: -0.077+/-0.083 χ^2/NDF:27.0/22

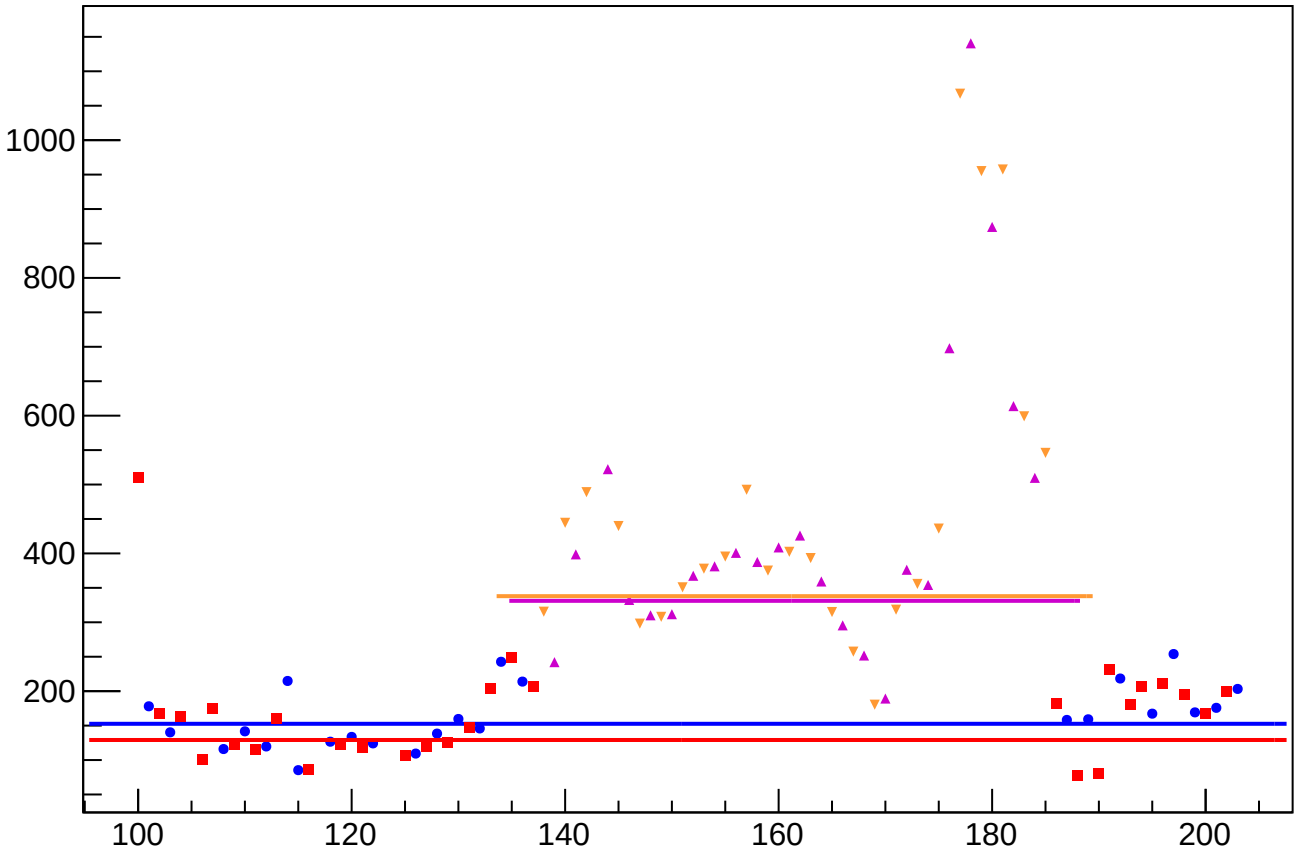
Left: -0.067+/-0.060 χ^2/NDF: 57.4/46

Right: 0.012+/-0.029 χ^2/NDF: 57.4/51

In: -0.040+/-0.039 χ^2/NDF:47.6/46

Out: 0.025+/-0.035 χ^2/NDF:67.2/51

All: -0.003+/-0.026 χ^2/NDF: 116.3/98



Right In: 152.627+/-0.032 χ^2/NDF: 1416407.4/23

Left Out: 337.937+/-0.060 χ^2/NDF:4517129.8/23

Right Out: 129.111+/-0.027 χ^2/NDF: 3021413.1/27

Left In: 331.158+/-0.059 χ^2/NDF:4106959.8/22

Left: 334.465+/-0.042 χ^2/NDF: 8630534.0/46

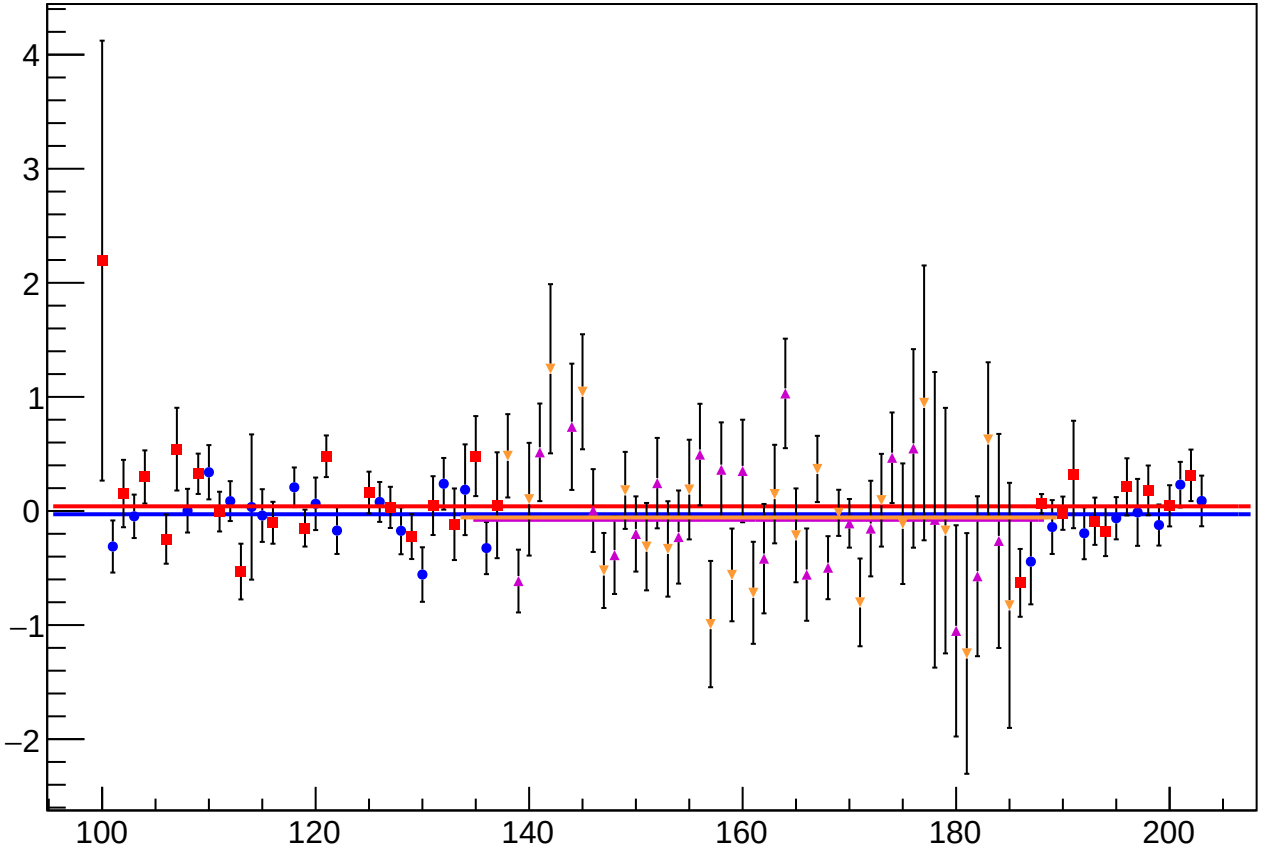
Right: 138.971+/-0.020 χ^2/NDF: 4760067.4/51

In: 192.383+/-0.028 χ^2/NDF:12644987.8/46

Out: 163.484+/-0.025 χ^2/NDF:17514765.2/51

All: 176.110+/-0.018 χ^2/NDF: 30766790.8/98

asym_usl_atl2_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.029+/-0.045 χ^2/NDF: 20.3/23

Left Out: -0.057+/-0.085 χ^2/NDF:30.4/23

Right Out: 0.041+/-0.038 χ^2/NDF: 35.7/27

Left In: -0.077+/-0.083 χ^2/NDF:27.0/22

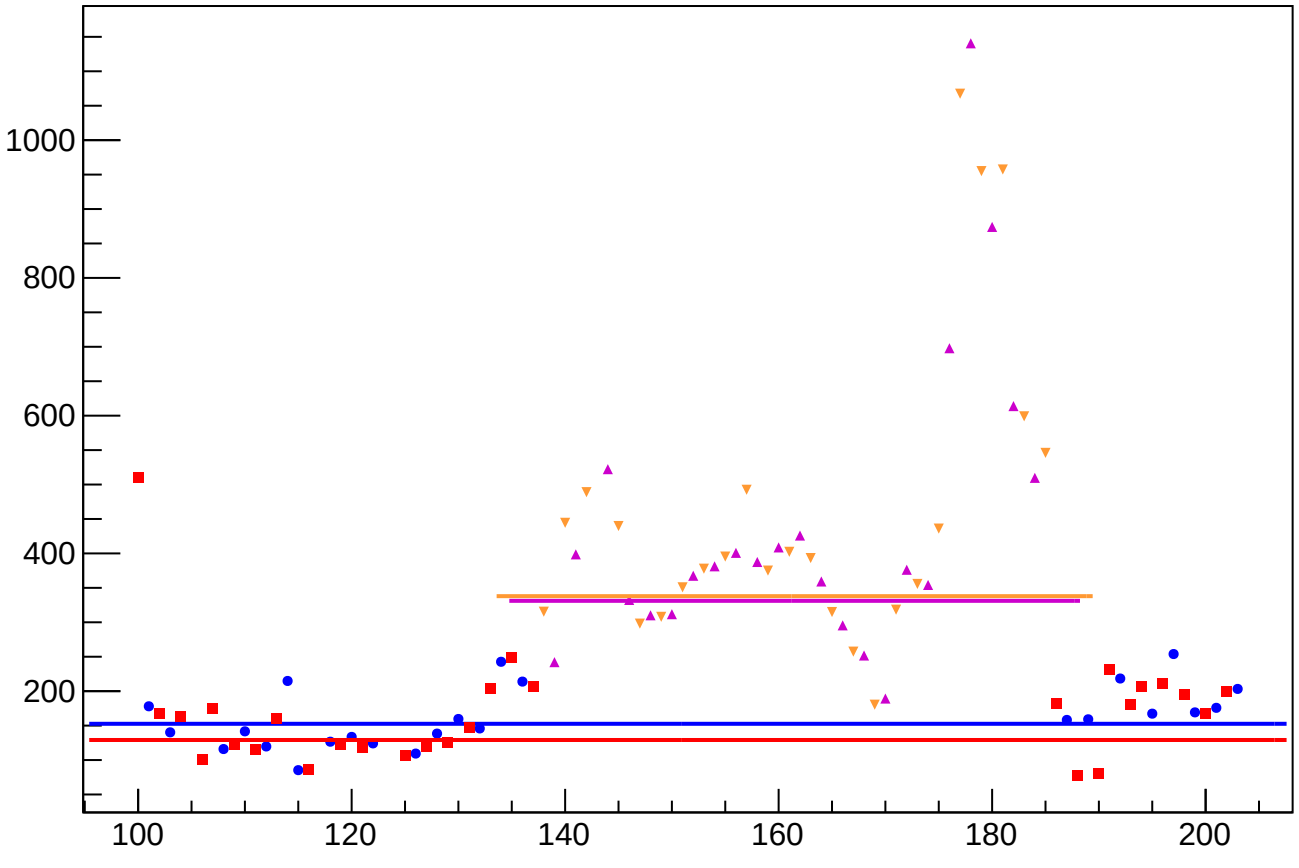
Left: -0.067+/-0.060 χ^2/NDF: 57.4/46

Right: 0.012+/-0.029 χ^2/NDF: 57.4/51

In: -0.040+/-0.039 χ^2/NDF:47.6/46

Out: 0.025+/-0.035 χ^2/NDF:67.2/51

All: -0.003+/-0.026 χ^2/NDF: 116.3/98



Right In: 152.627+/-0.032 χ^2/NDF: 1416407.4/23

Left Out: 337.937+/-0.060 χ^2/NDF:4517129.8/23

Right Out: 129.111+/-0.027 χ^2/NDF: 3021413.1/27

Left In: 331.158+/-0.059 χ^2/NDF:4106959.8/22

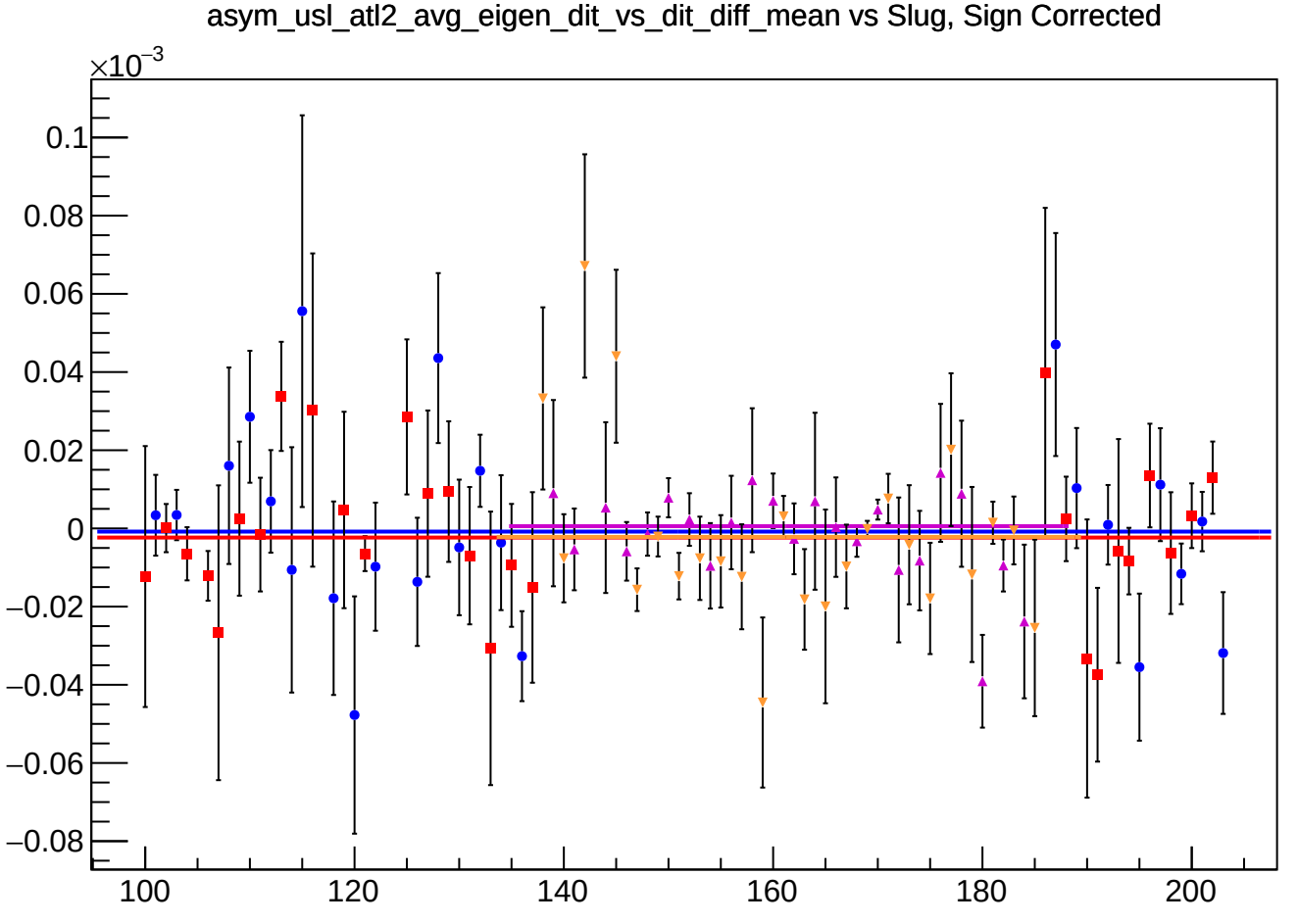
Left: 334.465+/-0.042 χ^2/NDF: 8630534.0/46

Right: 138.971+/-0.020 χ^2/NDF: 4760067.4/51

In: 192.383+/-0.028 χ^2/NDF:12644987.8/46

Out: 163.484+/-0.025 χ^2/NDF:17514765.2/51

All: 176.110+/-0.018 χ^2/NDF: 30766790.8/98



Right In: -0.000+/-0.000 χ^2/NDF: 37.8/23

Left Out: -0.000+/-0.000 χ^2/NDF:37.9/23

Right Out: -0.000+/-0.000 χ^2/NDF: 25.7/27

Left In: 0.000+/-0.000 χ^2/NDF:26.2/22

Left: -0.000+/-0.000 χ^2/NDF: 65.9/46

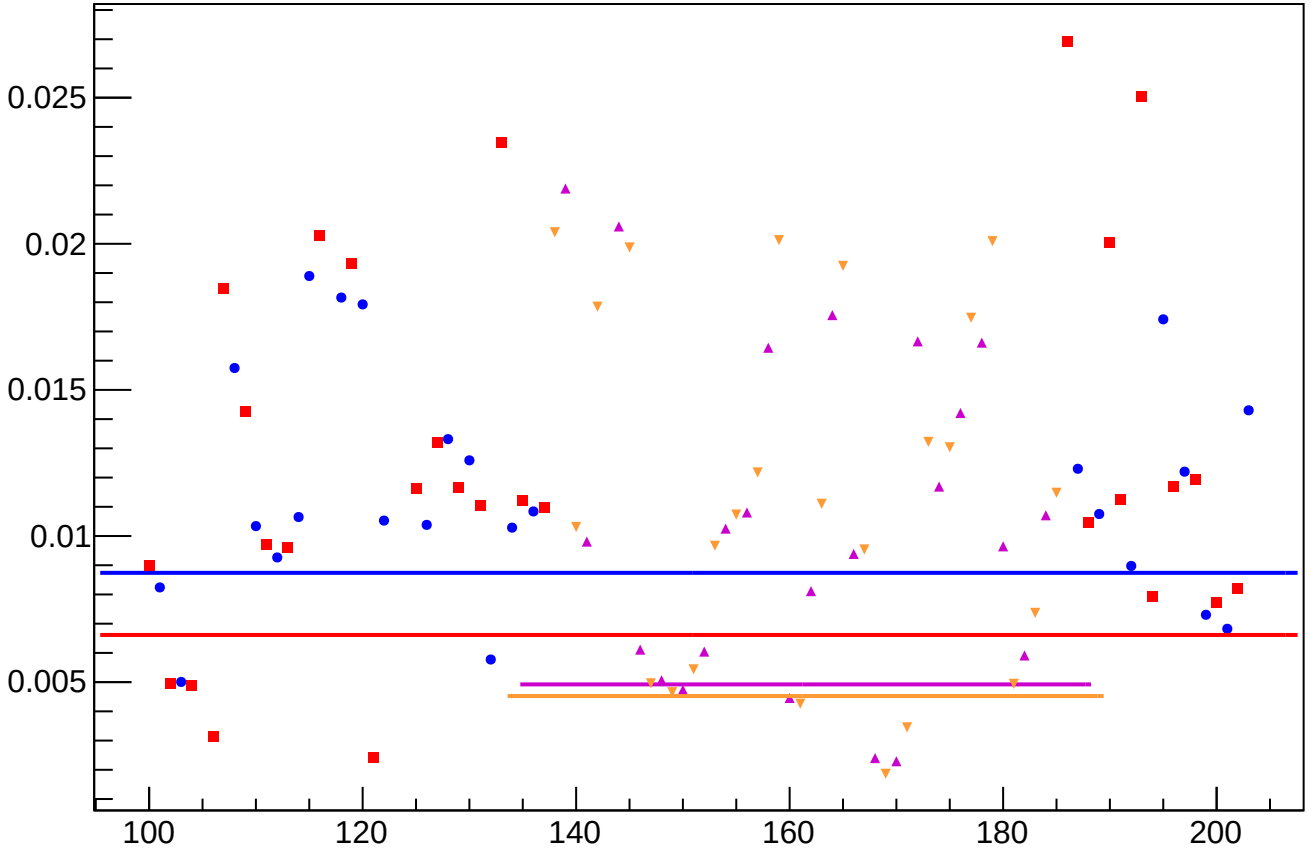
Right: -0.000+/-0.000 χ^2/NDF: 63.8/51

In: 0.000+/-0.000 χ^2/NDF:64.3/46

Out: -0.000+/-0.000 χ^2/NDF:63.6/51

All: -0.000+/-0.000 χ^2/NDF: 129.9/98

asym_usl_atl2_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.009+/-0.000 χ^2/NDF: 2995340.4/23

Left Out: 0.005+/-0.000 χ^2/NDF:14239550.6/23

Right Out: 0.007+/-0.000 χ^2/NDF: 7962780.0/27

Left In: 0.005+/-0.000 χ^2/NDF:11626984.8/22

Left: 0.005+/-0.000 χ^2/NDF: 25942497.2/46

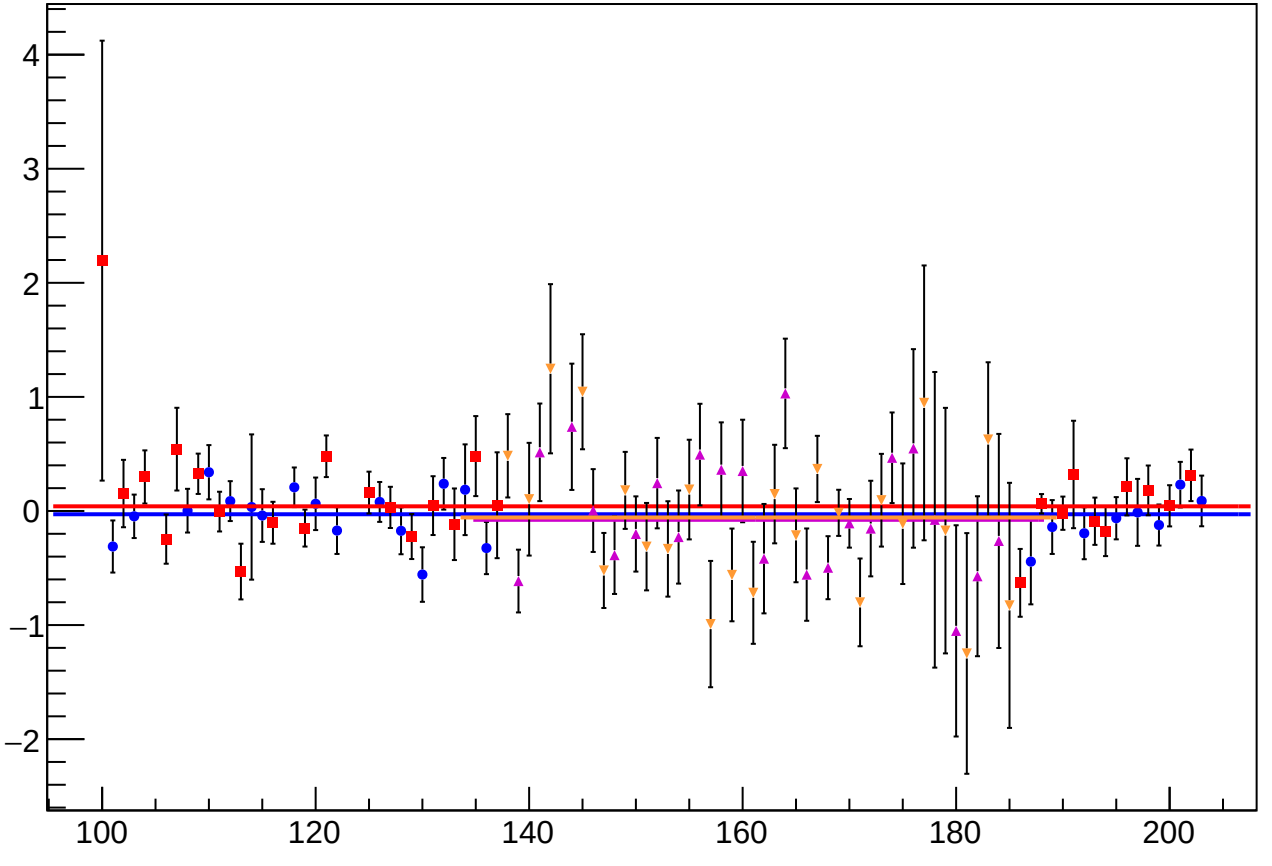
Right: 0.007+/-0.000 χ^2/NDF: 11747222.7/51

In: 0.006+/-0.000 χ^2/NDF:17814355.7/46

Out: 0.005+/-0.000 χ^2/NDF:23544365.2/51

All: 0.005+/-0.000 χ^2/NDF: 41680541.7/98

asym_usl_atl2_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.029+/-0.045 χ^2/NDF: 20.3/23

Left Out: -0.057+/-0.085 χ^2/NDF:30.4/23

Right Out: 0.041+/-0.038 χ^2/NDF: 35.7/27

Left In: -0.077+/-0.083 χ^2/NDF:27.0/22

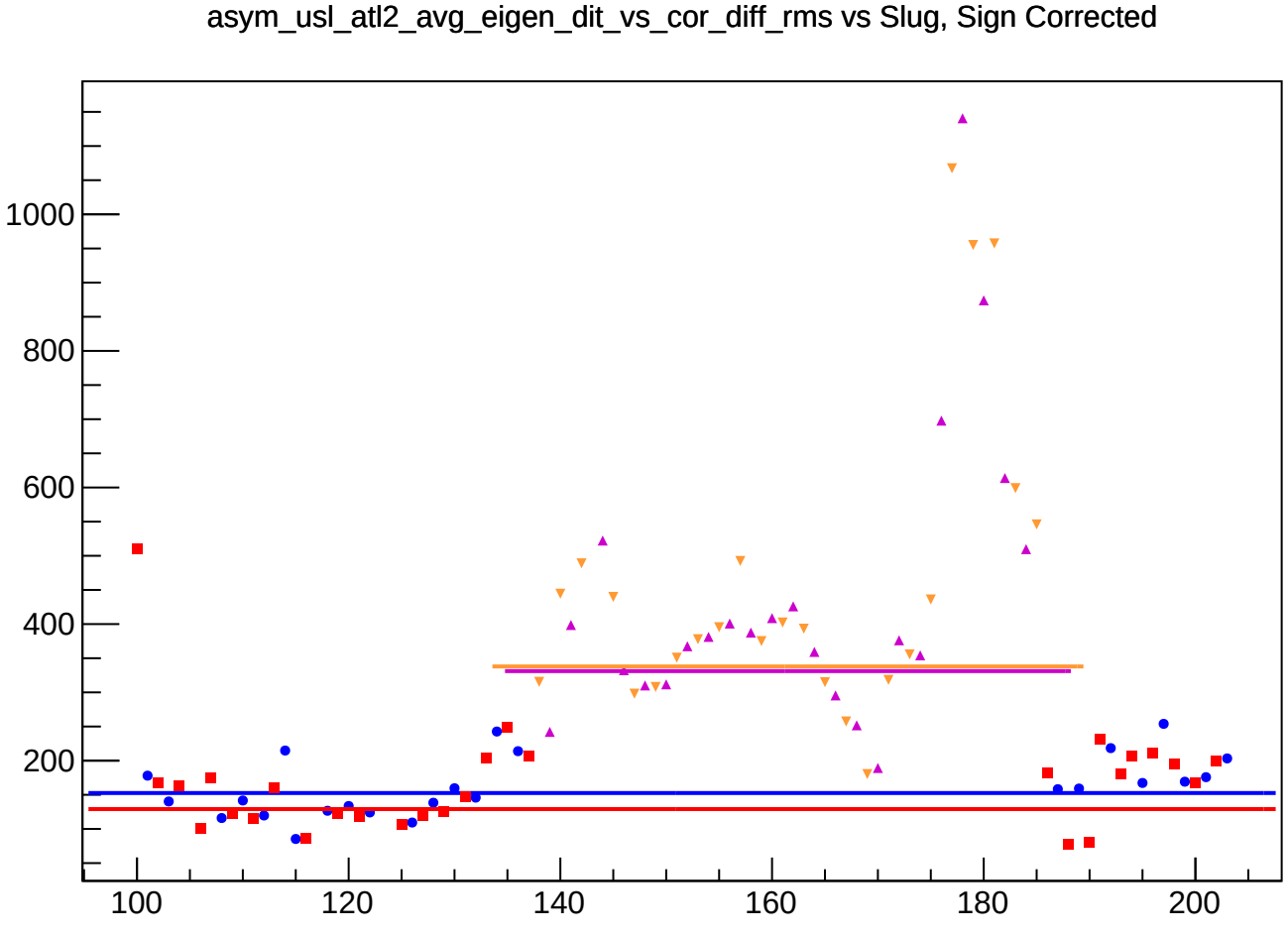
Left: -0.067+/-0.060 χ^2/NDF: 57.4/46

Right: 0.012+/-0.029 χ^2/NDF: 57.4/51

In: -0.040+/-0.039 χ^2/NDF:47.6/46

Out: 0.025+/-0.035 χ^2/NDF:67.2/51

All: -0.003+/-0.026 χ^2/NDF: 116.3/98



Right In: 152.628+/-0.032 χ^2/NDF: 1416399.4/23

Left Out: 337.939+/-0.060 χ^2/NDF:4517201.8/23

Right Out: 129.109+/-0.027 χ^2/NDF: 3021554.8/27

Left In: 331.161+/-0.059 χ^2/NDF:4106963.1/22

Left: 334.468+/-0.042 χ^2/NDF: 8630607.3/46

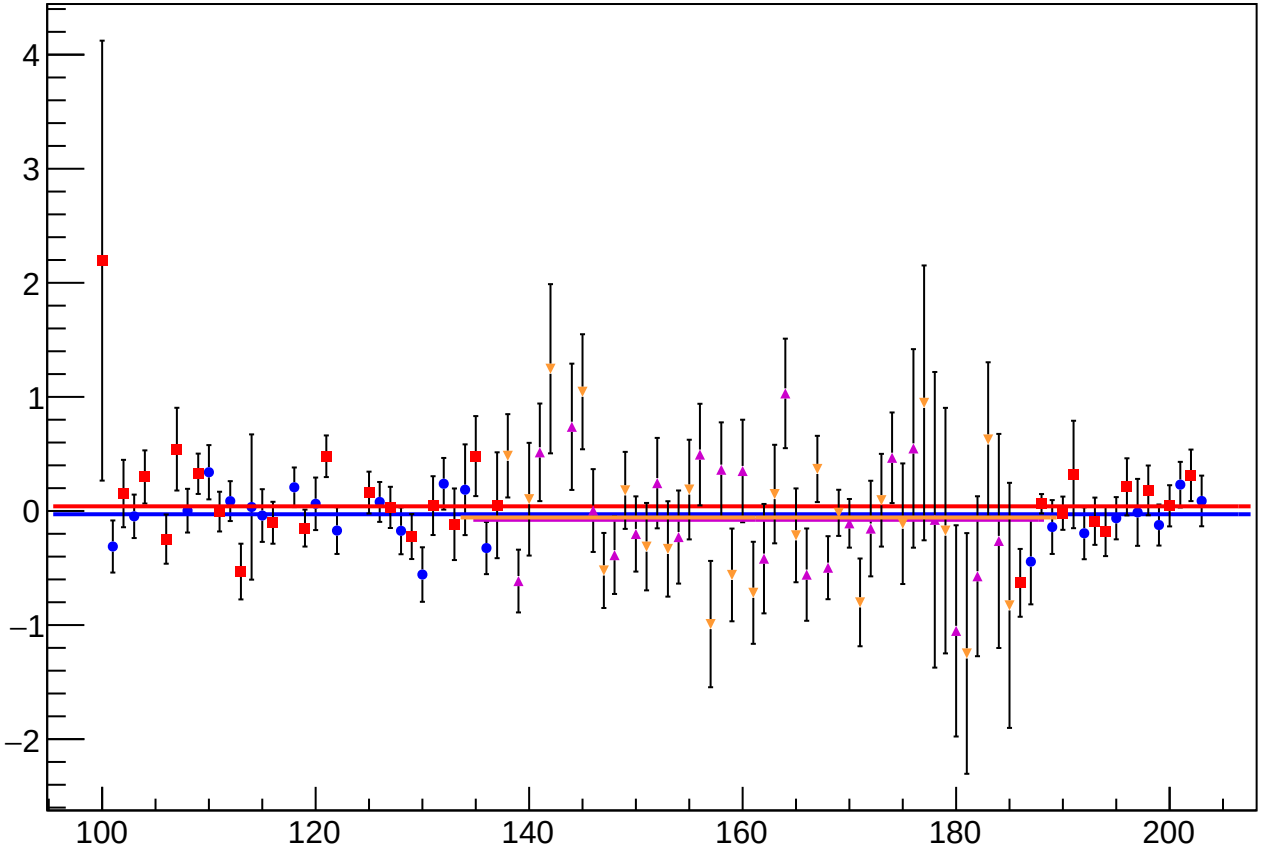
Right: 138.970+/-0.020 χ^2/NDF: 4760257.3/51

In: 192.383+/-0.028 χ^2/NDF:12645088.8/46

Out: 163.482+/-0.025 χ^2/NDF:17515246.3/51

All: 176.109+/-0.018 χ^2/NDF: 30767474.9/98

asym_usl_atl2_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.029+/-0.045 χ^2/NDF: 20.3/23

Left Out: -0.057+/-0.085 χ^2/NDF:30.4/23

Right Out: 0.041+/-0.038 χ^2/NDF: 35.7/27

Left In: -0.077+/-0.083 χ^2/NDF:27.0/22

Left: -0.067+/-0.060 χ^2/NDF: 57.4/46

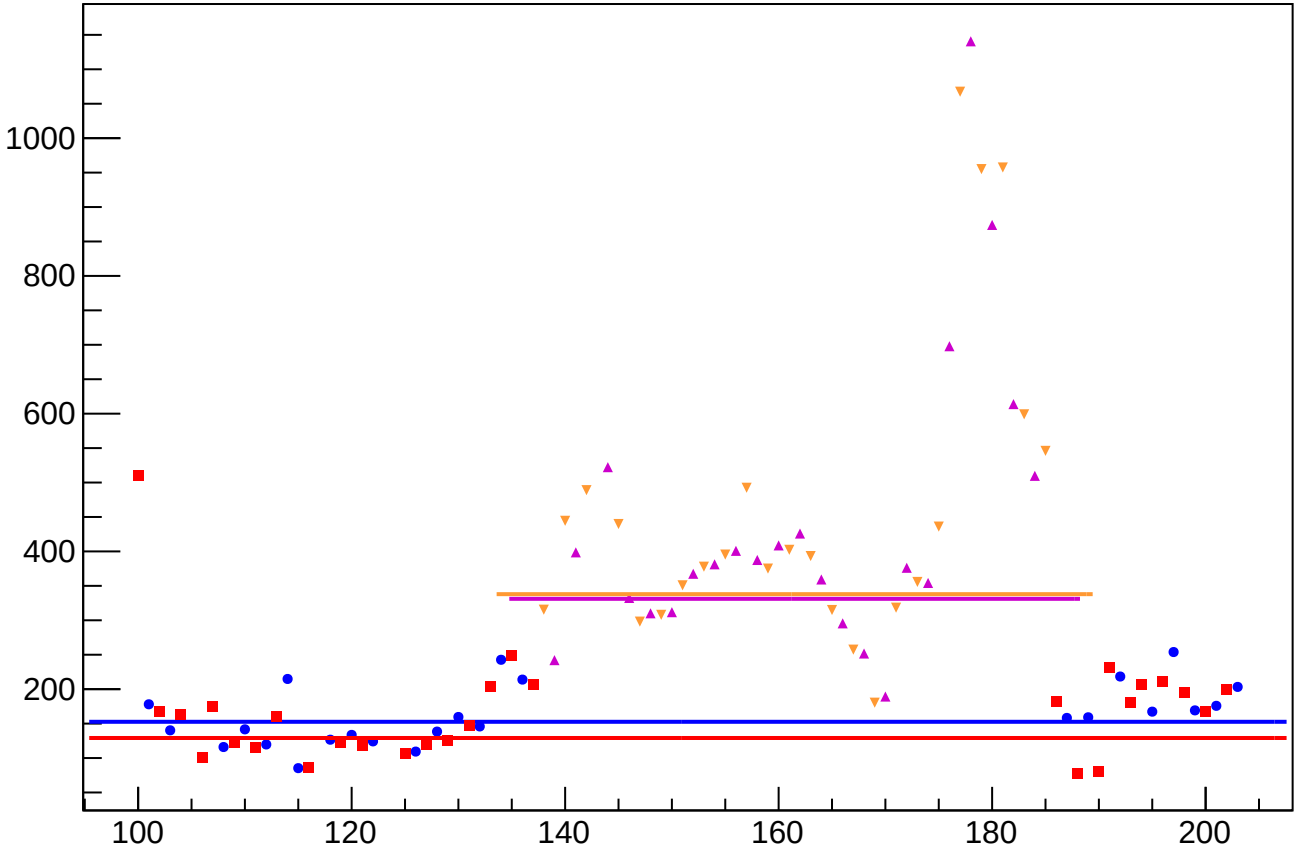
Right: 0.012+/-0.029 χ^2/NDF: 57.4/51

In: -0.040+/-0.039 χ^2/NDF:47.6/46

Out: 0.025+/-0.035 χ^2/NDF:67.2/51

All: -0.003+/-0.026 χ^2/NDF: 116.3/98

asym_usl_atl2_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 152.628+/-0.032 χ^2/NDF: 1416399.4/23

Left Out: 337.939+/-0.060 χ^2/NDF:4517201.8/23

Right Out: 129.109+/-0.027 χ^2/NDF: 3021554.8/27

Left In: 331.161+/-0.059 χ^2/NDF:4106963.1/22

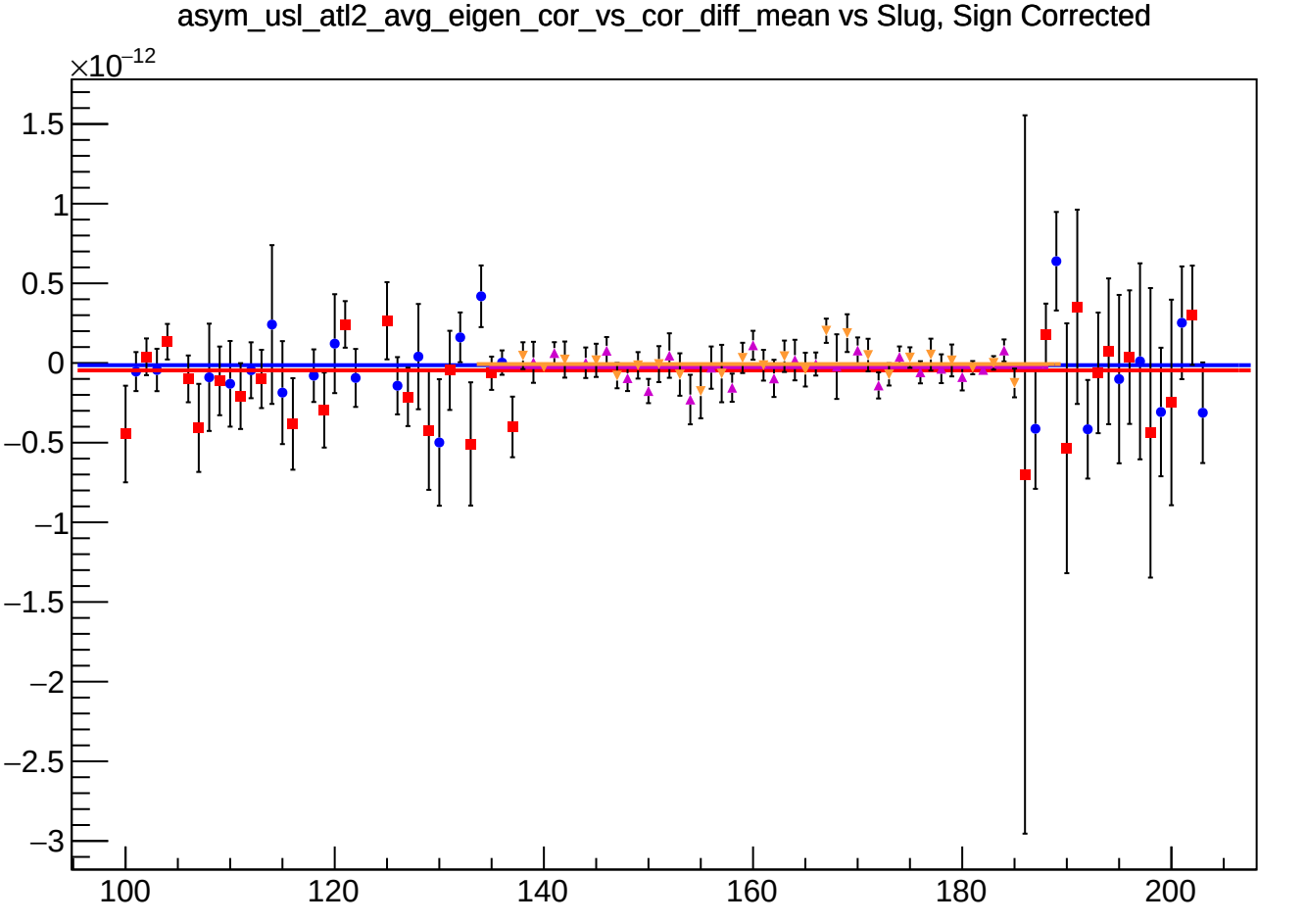
Left: 334.468+/-0.042 χ^2/NDF: 8630607.3/46

Right: 138.970+/-0.020 χ^2/NDF: 4760257.3/51

In: 192.383+/-0.028 χ^2/NDF:12645088.8/46

Out: 163.482+/-0.025 χ^2/NDF:17515246.3/51

All: 176.109+/-0.018 χ^2/NDF: 30767474.9/98



Right In: -0.000+/-0.000 χ^2/NDF: 19.1/23

Left Out: -0.000+/-0.000 χ^2/NDF:18.1/23

Right Out: -0.000+/-0.000 χ^2/NDF: 26.1/27

Left In: -0.000+/-0.000 χ^2/NDF:22.8/22

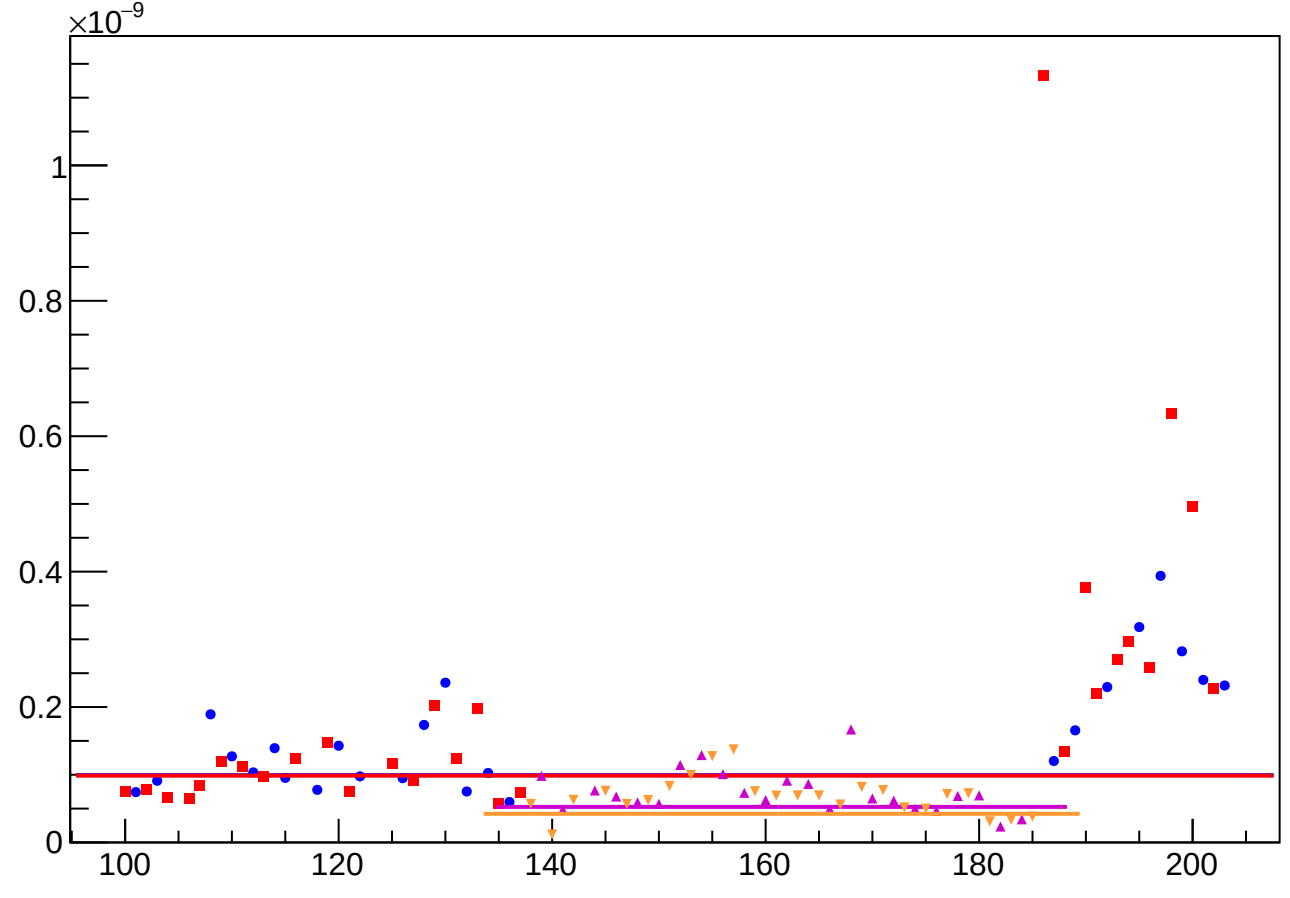
Left: -0.000+/-0.000 χ^2/NDF: 41.7/46

Right: -0.000+/-0.000 χ^2/NDF: 45.6/51

In: -0.000+/-0.000 χ^2/NDF:42.0/46

Out: -0.000+/-0.000 χ^2/NDF:45.1/51

All: -0.000+/-0.000 χ^2/NDF: 87.6/98



Right In: 0.000+/-0.000 χ^2/NDF: 3599920.9/23

Left Out: 0.000+/-0.000 χ^2/NDF:6680117.5/23

Right Out: 0.000+/-0.000 χ^2/NDF: 4876643.4/27

Left In: 0.000+/-0.000 χ^2/NDF:4897147.5/22

Left: 0.000+/-0.000 χ^2/NDF: 12028477.0/46

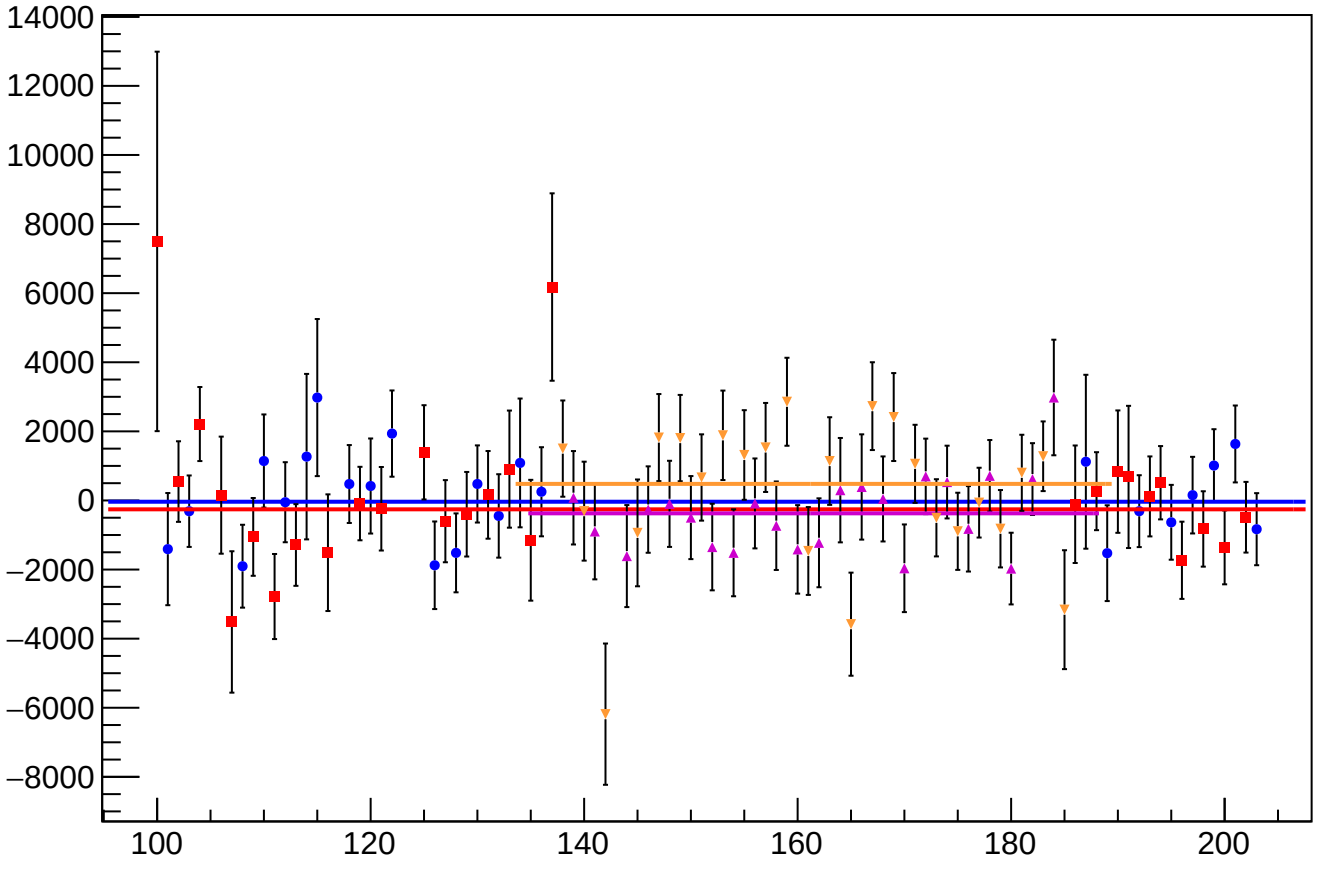
Right: 0.000+/-0.000 χ^2/NDF: 8476788.9/51

In: 0.000+/-0.000 χ^2/NDF:10811441.6/46

Out: 0.000+/-0.000 χ^2/NDF:15137985.3/51

All: 0.000+/-0.000 χ^2/NDF: 26457084.9/98

reg_asym_usl_atl2_dd_mean vs Slug, Sign Corrected



Right In: -36.895+/-255.716 χ^2/NDF: 19.0/23

Left Out: 479.555+/-256.330 χ^2/NDF:45.2/23

Right Out: -256.852+/-246.577 χ^2/NDF: 29.0/27

Left In: -372.926+/-259.314 χ^2/NDF:16.0/22

Left: 58.248+/-182.298 χ^2/NDF: 66.7/46

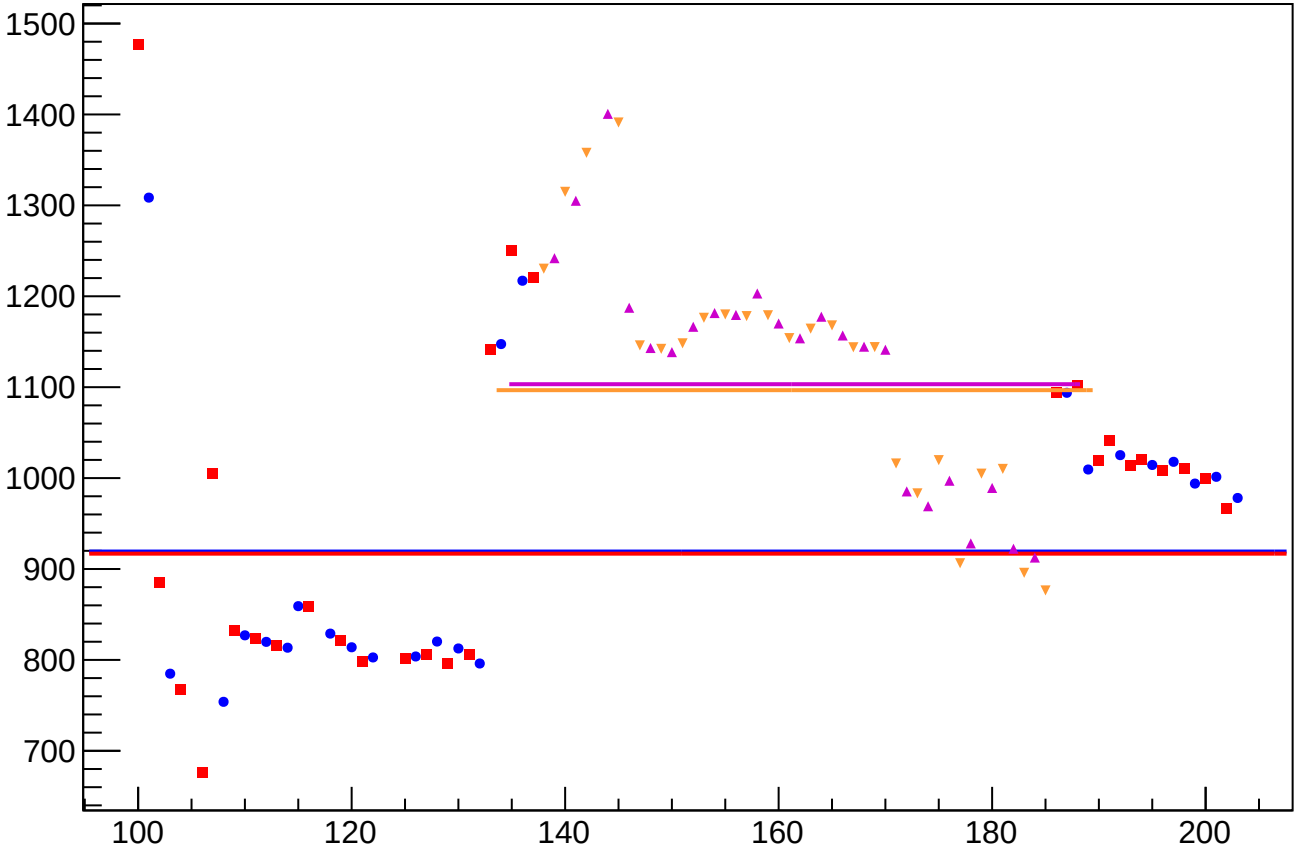
Right: -150.874+/-177.499 χ^2/NDF: 48.4/51

In: -202.563+/-182.077 χ^2/NDF:35.9/46

Out: 97.076+/-177.704 χ^2/NDF:78.5/51

All: -49.102+/-127.174 χ^2/NDF: 115.7/98

reg_asym_usl_atl2_dd_rms vs Slug, Sign Corrected



Right In: 919.206+/-0.181 χ^2/NDF: 563048.0/23

Left Out: 1096.711+/-0.181 χ^2/NDF:480498.6/23

Right Out: 916.880+/-0.173 χ^2/NDF: 576048.7/27

Left In: 1103.281+/-0.183 χ^2/NDF:447540.4/22

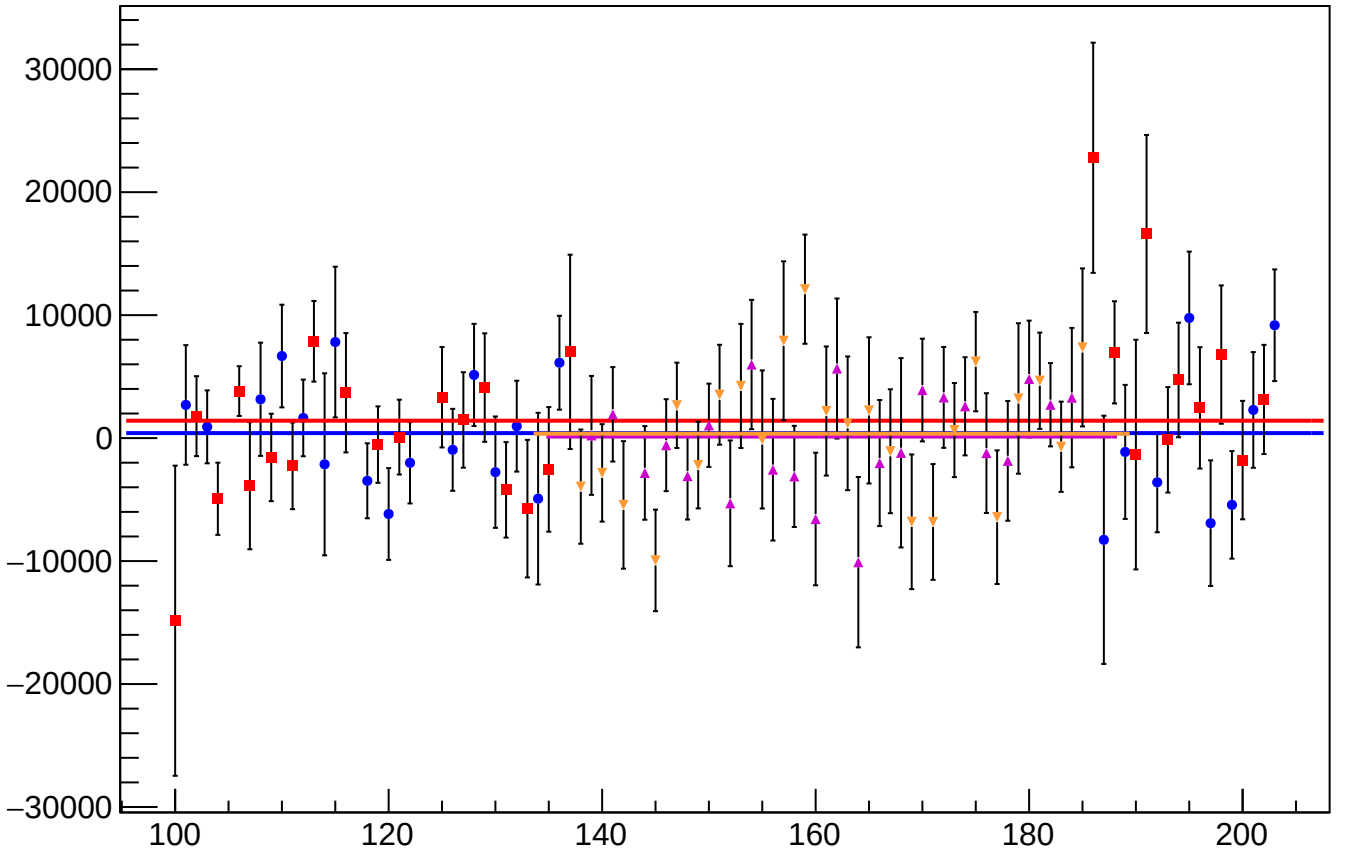
Left: 1099.958+/-0.129 χ^2/NDF: 928688.2/46

Right: 917.992+/-0.125 χ^2/NDF: 1139183.1/51

In: 1009.957+/-0.129 χ^2/NDF:1521518.5/46

Out: 1002.651+/-0.125 χ^2/NDF:1571423.7/51

All: 1006.201+/-0.090 χ^2/NDF: 3094597.8/98



Right In: 406.555+/-857.106 χ^2/NDF: 27.2/23

Left Out: 357.729+/-934.220 χ^2/NDF:30.3/23

Right Out: 1413.769+/-767.017 χ^2/NDF: 33.6/27

Left In: 126.696+/-932.645 χ^2/NDF:13.8/22

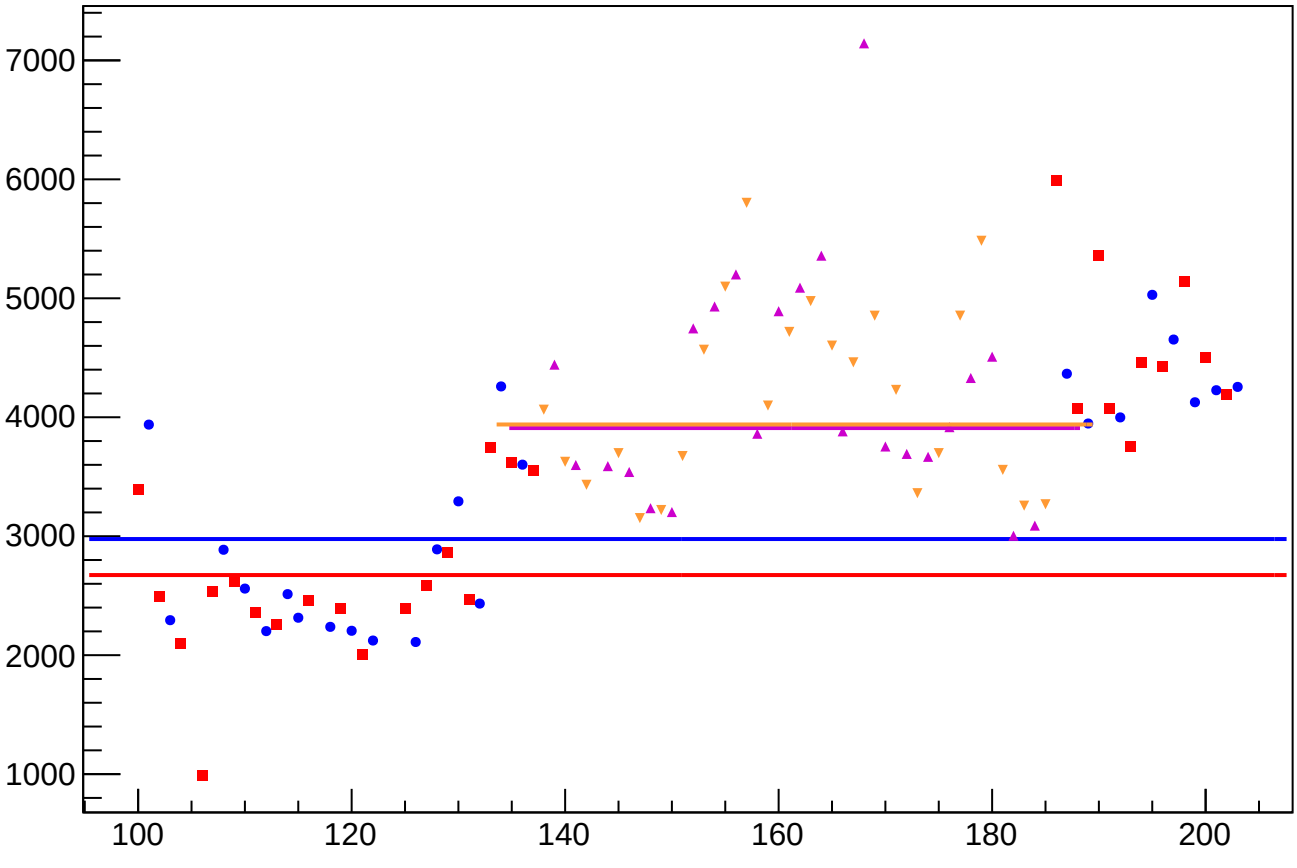
Left: 242.018+/-660.036 χ^2/NDF: 44.1/46

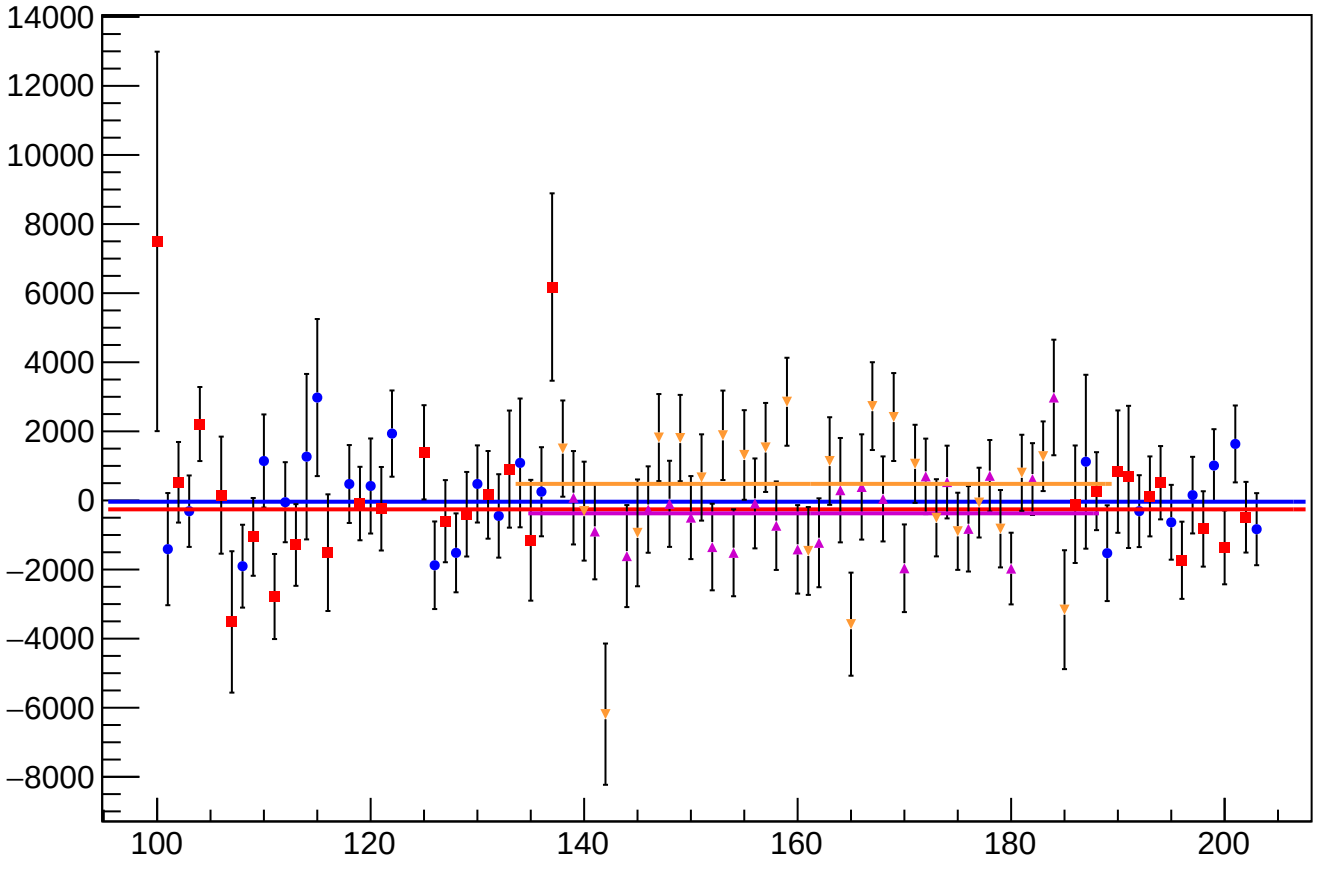
Right: 965.860+/-571.569 χ^2/NDF: 61.5/51

In: 278.416+/-631.084 χ^2/NDF:41.0/46

Out: 988.547+/-592.812 χ^2/NDF:64.6/51

All: 655.666+/-432.078 χ^2/NDF: 106.3/98


asym_usl_atl2_dd_reg_correction_rms vs Slug, Sign Corrected
7000
6000
5000
4000
3000
2000
1000
100
120
140
160
180
200
Right In: 2976.255+/-0.606 χ²/NDF: 2176569.8/23
Left Out: 3939.261+/-0.661 χ²/NDF:1092666.9/23
Right Out: 2673.484+/-0.542 χ²/NDF: 4116794.7/27
Left In: 3909.133+/-0.659 χ²/NDF:1300774.2/22
Left: 3924.172+/-0.467 χ²/NDF: 2394482.8/46
Right: 2808.126+/-0.404 χ²/NDF: 6431948.8/51
In: 3403.390+/-0.446 χ²/NDF:4562149.5/46
Out: 3183.159+/-0.419 χ²/NDF:7402617.2/51
All: 3286.395+/-0.306 χ²/NDF: 12094158.6/9



Right In: -36.913+/-255.716 χ^2/NDF: 19.0/23

Left Out: 479.583+/-256.330 χ^2/NDF:45.2/23

Right Out: -257.817+/-246.579 χ^2/NDF: 29.0/27

Left In: -372.901+/-259.314 χ^2/NDF:16.0/22

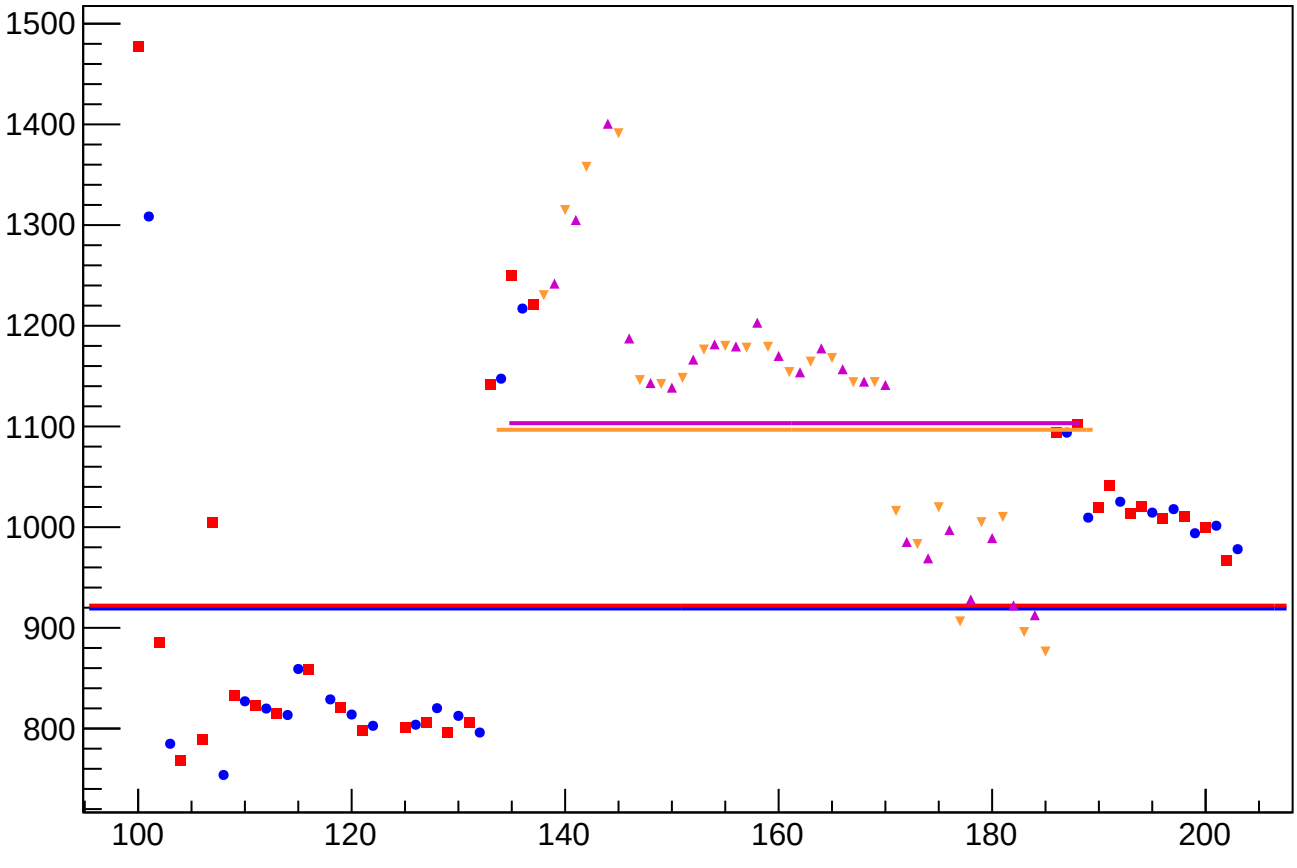
Left: 58.275+/-182.298 χ^2/NDF: 66.7/46

Right: -151.382+/-177.500 χ^2/NDF: 48.3/51

In: -202.560+/-182.077 χ^2/NDF:35.9/46

Out: 96.591+/-177.705 χ^2/NDF:78.5/51

All: -49.349+/-127.174 χ^2/NDF: 115.7/98



Right In: 919.206+/-0.181 χ^2/NDF: 563047.9/23

Left Out: 1096.711+/-0.181 χ^2/NDF:480498.6/23

Right Out: 922.042+/-0.174 χ^2/NDF: 521003.3/27

Left In: 1103.281+/-0.183 χ^2/NDF:447540.3/22

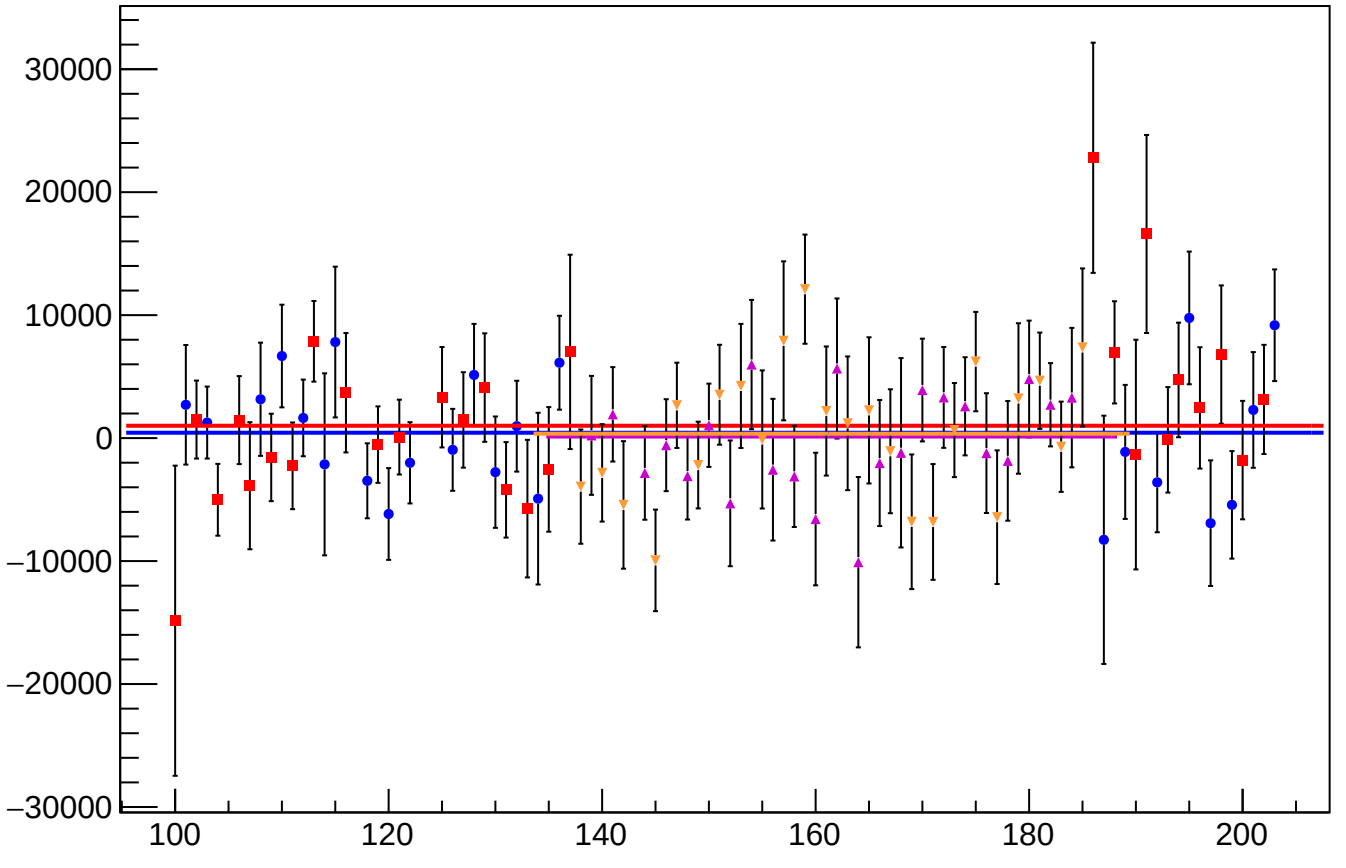
Left: 1099.958+/-0.129 χ^2/NDF: 928688.1/46

Right: 920.680+/-0.125 χ^2/NDF: 1084179.0/51

In: 1009.957+/-0.129 χ^2/NDF:1521518.6/46

Out: 1005.726+/-0.125 χ^2/NDF:1485252.8/51

All: 1007.787+/-0.090 χ^2/NDF: 3007325.6/98



Right In: 437.760+/-856.150 χ^2/NDF: 27.3/23

Left Out: 357.728+/-934.221 χ^2/NDF:30.3/23

Right Out: 1004.856+/-806.022 χ^2/NDF: 32.0/27

Left In: 126.635+/-932.644 χ^2/NDF:13.8/22

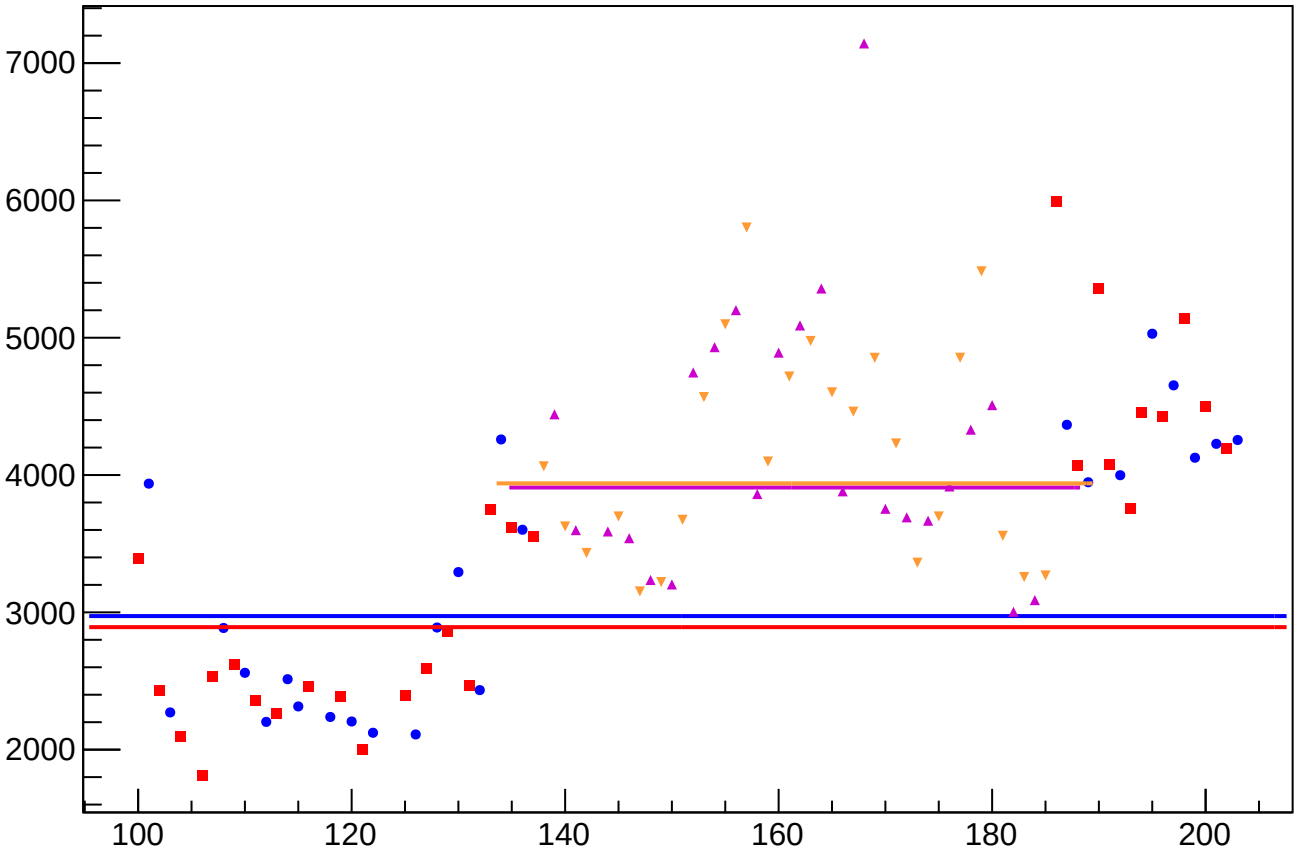
Left: 241.986+/-660.036 χ^2/NDF: 44.1/46

Right: 738.395+/-586.865 χ^2/NDF: 59.5/51

In: 295.478+/-630.701 χ^2/NDF:41.1/46

Out: 728.707+/-610.276 χ^2/NDF:62.6/51

All: 519.221+/-438.574 χ^2/NDF: 103.9/98



Right In: 2972.751+/-0.605 χ^2/NDF: 2186713.8/23

Left Out: 3939.266+/-0.661 χ^2/NDF:1092657.5/23

Right Out: 2892.195+/-0.570 χ^2/NDF: 2702840.8/27

Left In: 3909.128+/-0.659 χ^2/NDF:1300782.7/22

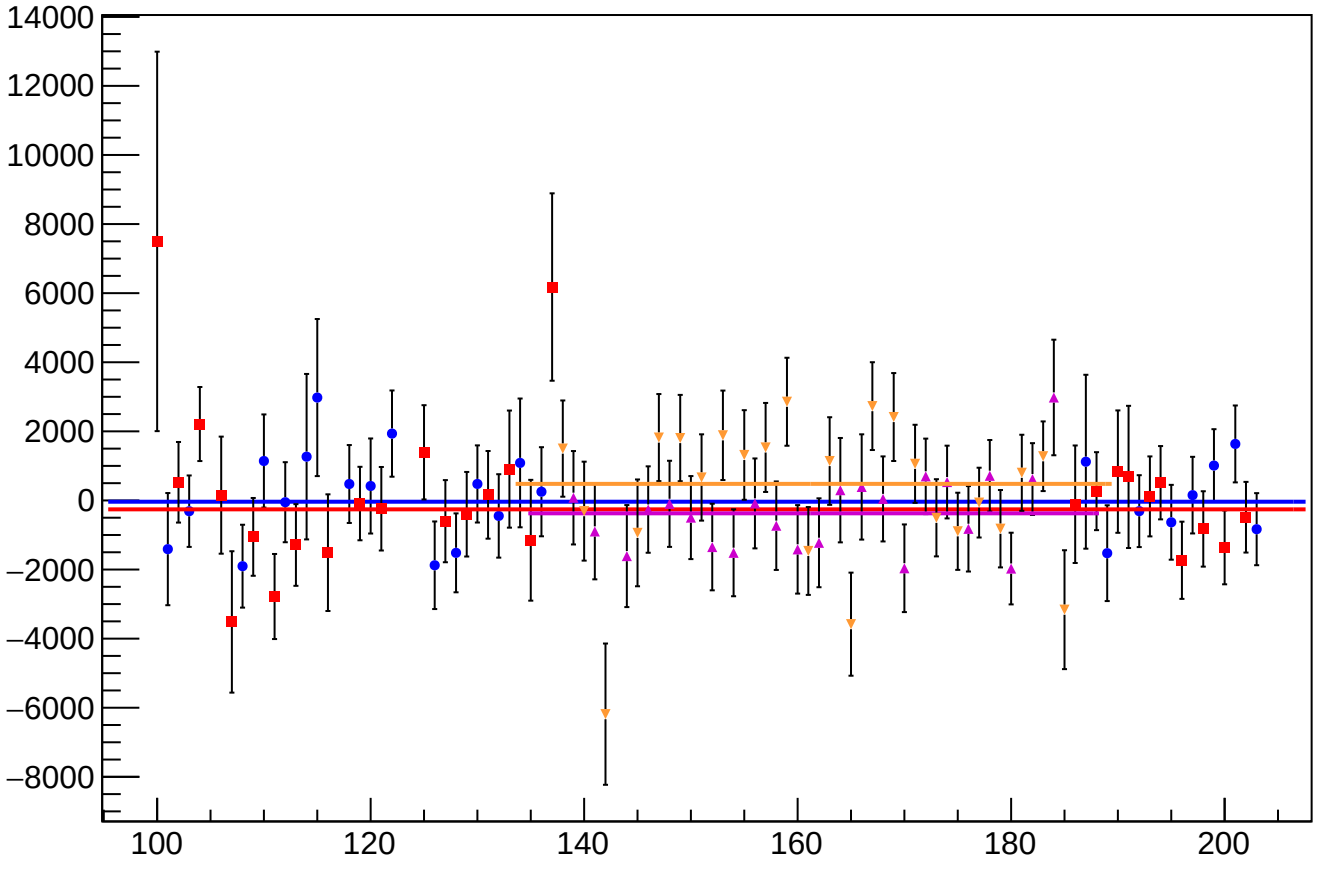
Left: 3924.171+/-0.467 χ^2/NDF: 2394482.7/46

Right: 2930.046+/-0.415 χ^2/NDF: 4898941.2/51

In: 3400.970+/-0.446 χ^2/NDF:4581570.9/46

Out: 3339.012+/-0.432 χ^2/NDF:5235759.9/51

All: 3368.972+/-0.310 χ^2/NDF: 9827298.9/98



Right In: -36.913+/-255.716 χ^2/NDF: 19.0/23

Left Out: 479.583+/-256.330 χ^2/NDF:45.2/23

Right Out: -257.817+/-246.579 χ^2/NDF: 29.0/27

Left In: -372.901+/-259.314 χ^2/NDF:16.0/22

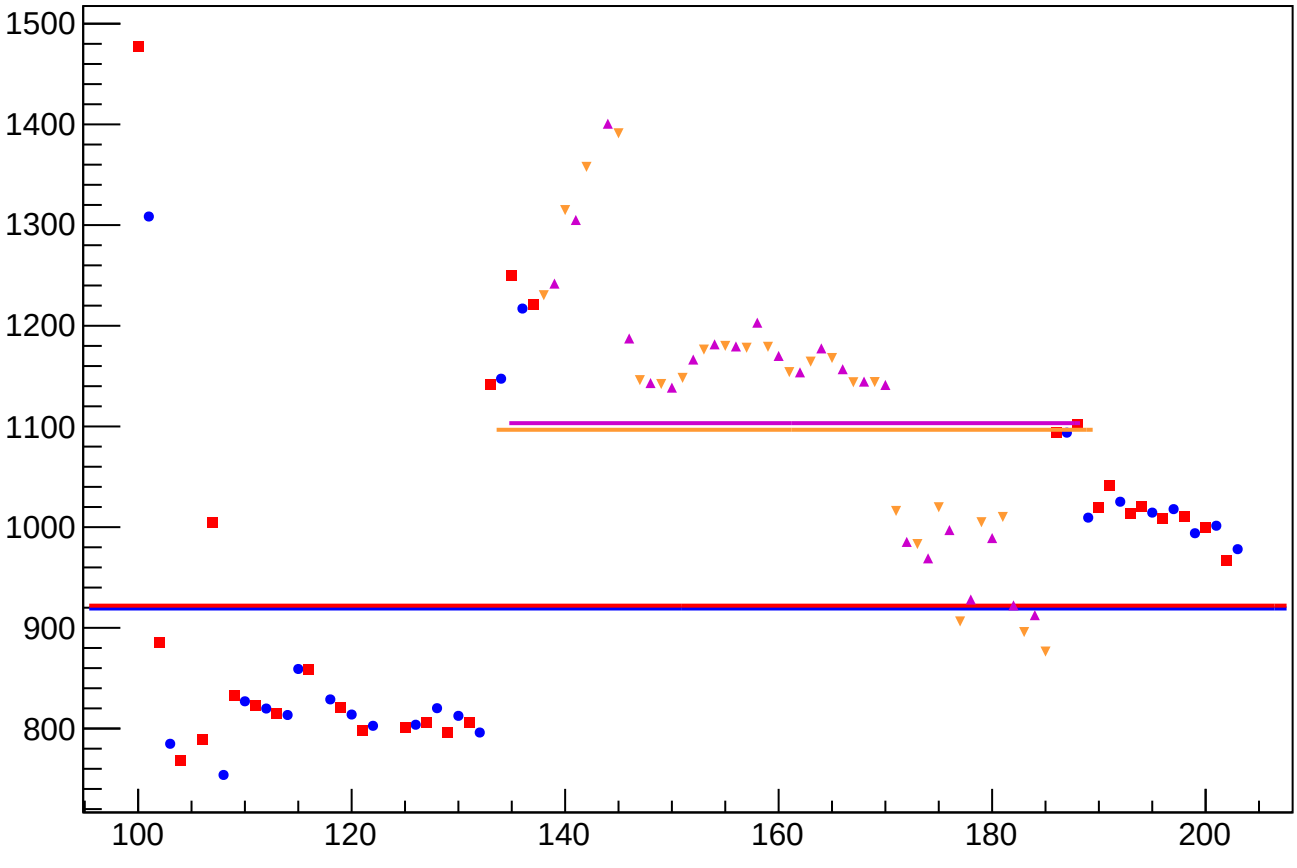
Left: 58.275+/-182.298 χ^2/NDF: 66.7/46

Right: -151.382+/-177.500 χ^2/NDF: 48.3/51

In: -202.560+/-182.077 χ^2/NDF:35.9/46

Out: 96.591+/-177.705 χ^2/NDF:78.5/51

All: -49.349+/-127.174 χ^2/NDF: 115.7/98



Right In: 919.206+/-0.181 χ^2/NDF: 563047.9/23

Left Out: 1096.711+/-0.181 χ^2/NDF:480498.6/23

Right Out: 922.042+/-0.174 χ^2/NDF: 521003.3/27

Left In: 1103.281+/-0.183 χ^2/NDF:447540.3/22

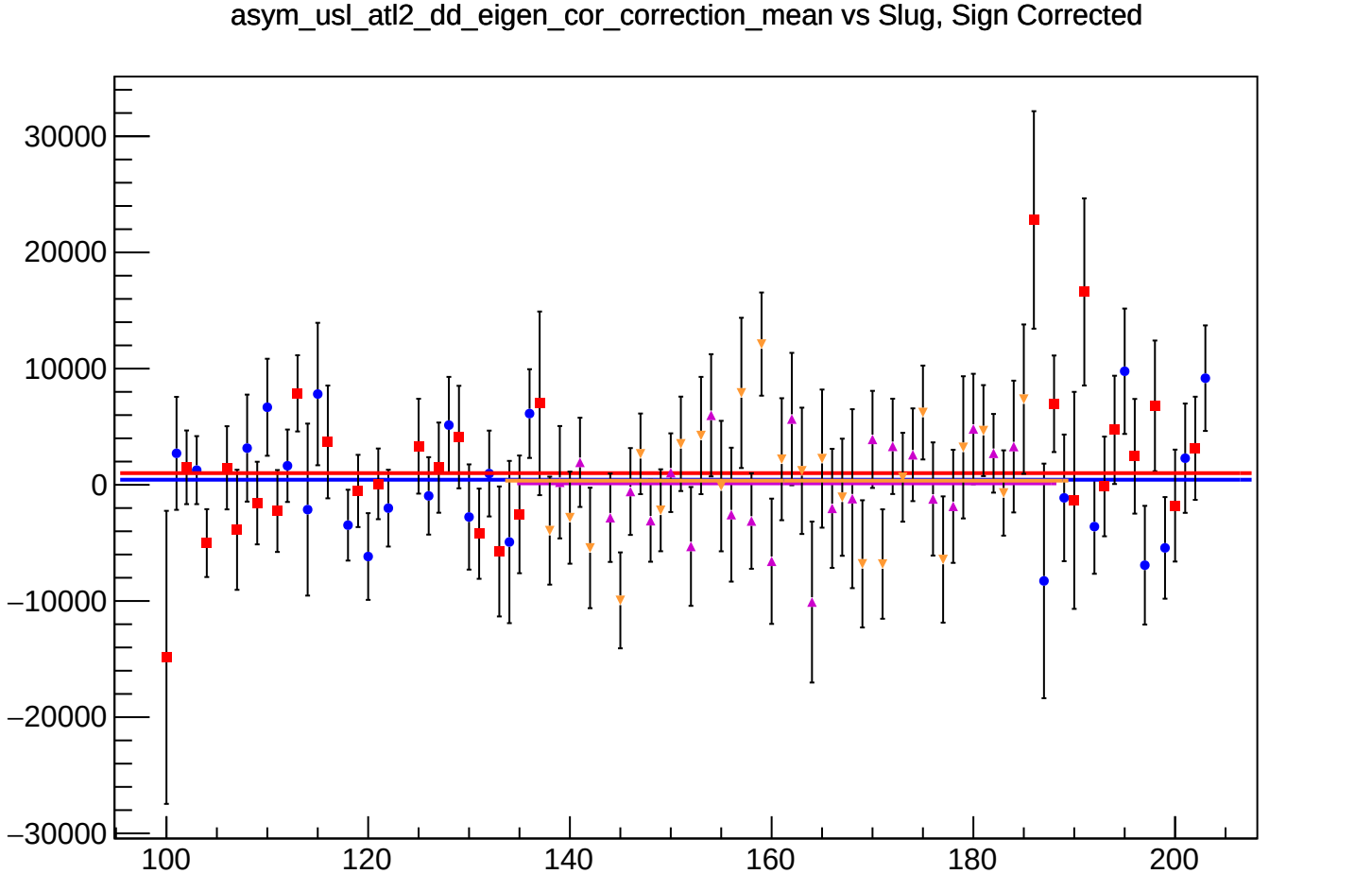
Left: 1099.958+/-0.129 χ^2/NDF: 928688.1/46

Right: 920.680+/-0.125 χ^2/NDF: 1084179.0/51

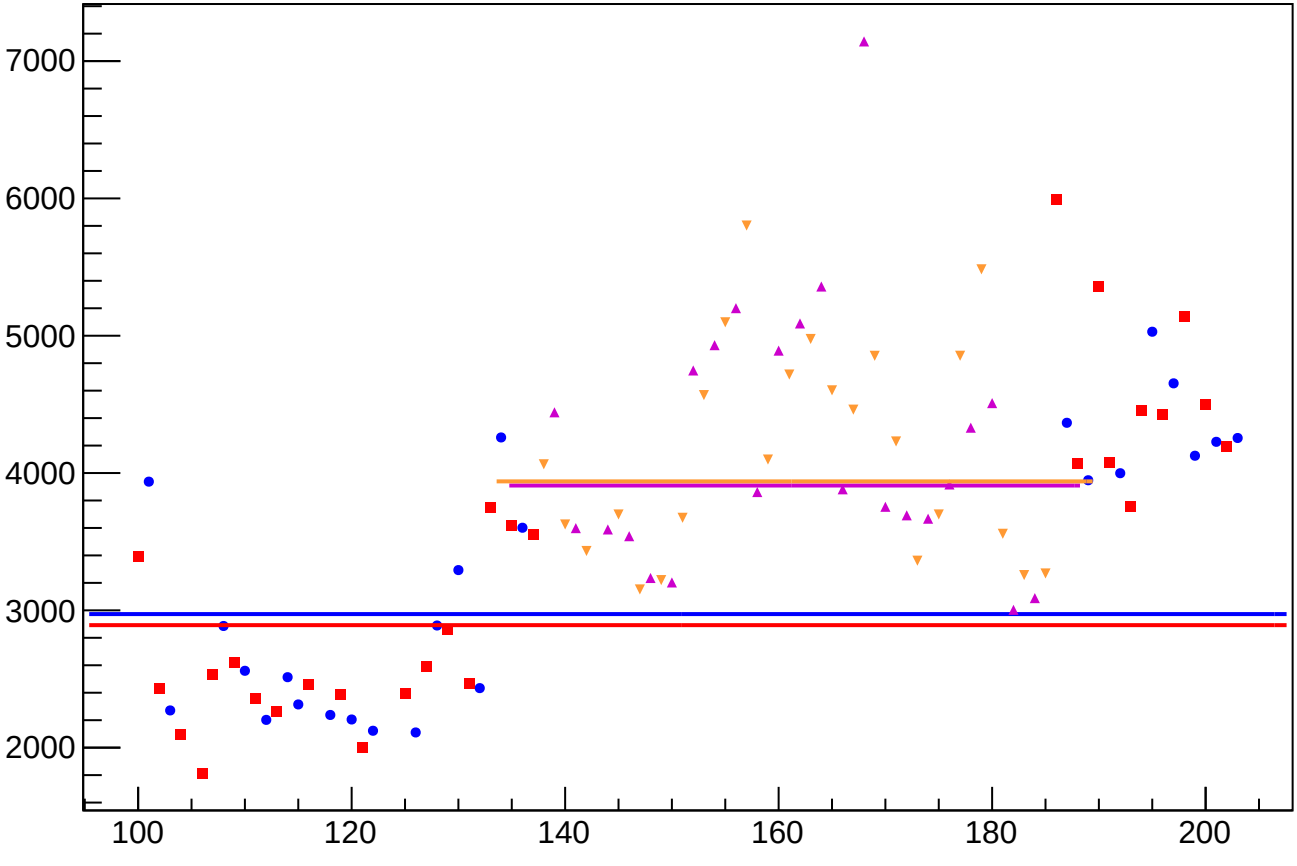
In: 1009.957+/-0.129 χ^2/NDF:1521518.6/46

Out: 1005.726+/-0.125 χ^2/NDF:1485252.8/51

All: 1007.787+/-0.090 χ^2/NDF: 3007325.6/98


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: 437.760+/-856.150 χ²/NDF: 27.3/23
Left Out: 357.728+/-934.221 χ²/NDF:30.3/23
Right Out: 1004.856+/-806.022 χ²/NDF: 32.0/27
Left In: 126.635+/-932.644 χ²/NDF:13.8/22
Left: 241.986+/-660.036 χ²/NDF: 44.1/46
Right: 738.395+/-586.865 χ²/NDF: 59.5/51
In: 295.478+/-630.701 χ²/NDF:41.1/46
Out: 728.707+/-610.276 χ²/NDF:62.6/51
All: 519.221+/-438.574 χ²/NDF: 103.9/98

asym_usl_atl2_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 2972.751+/-0.605 χ^2/NDF: 2186713.8/23

Left Out: 3939.266+/-0.661 χ^2/NDF:1092657.5/23

Right Out: 2892.195+/-0.570 χ^2/NDF: 2702840.8/27

Left In: 3909.128+/-0.659 χ^2/NDF:1300782.7/22

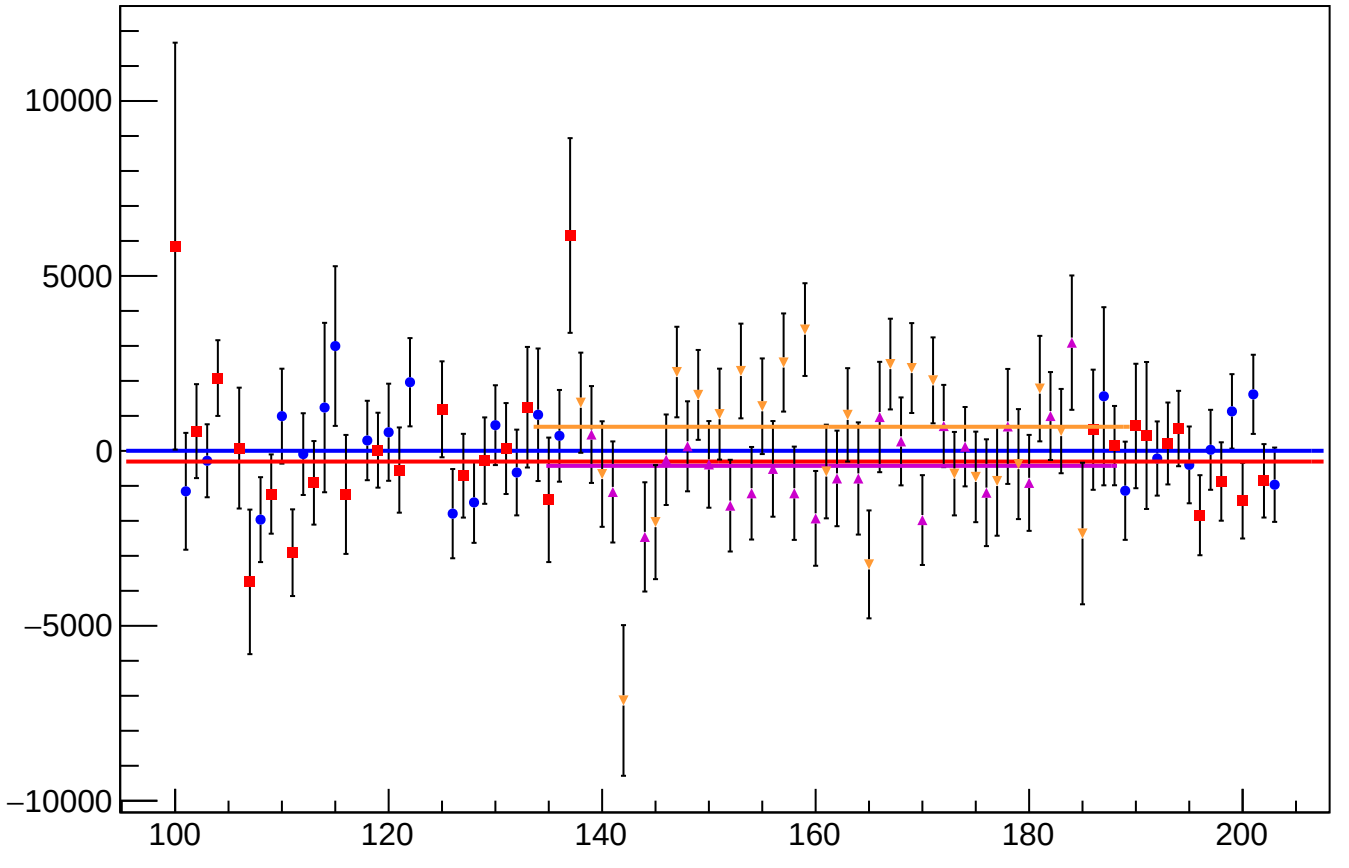
Left: 3924.171+/-0.467 χ^2/NDF: 2394482.7/46

Right: 2930.046+/-0.415 χ^2/NDF: 4898941.2/51

In: 3400.970+/-0.446 χ^2/NDF:4581570.9/46

Out: 3339.012+/-0.432 χ^2/NDF:5235759.9/51

All: 3368.972+/-0.310 χ^2/NDF: 9827298.9/98



Right In: 2.443+/-259.274 χ^2/NDF: 18.2/23

Left Out: 689.087+/-284.388 χ^2/NDF:45.7/23

Right Out: -305.260+/-251.057 χ^2/NDF: 28.2/27

Left In: -428.052+/-284.383 χ^2/NDF:14.6/22

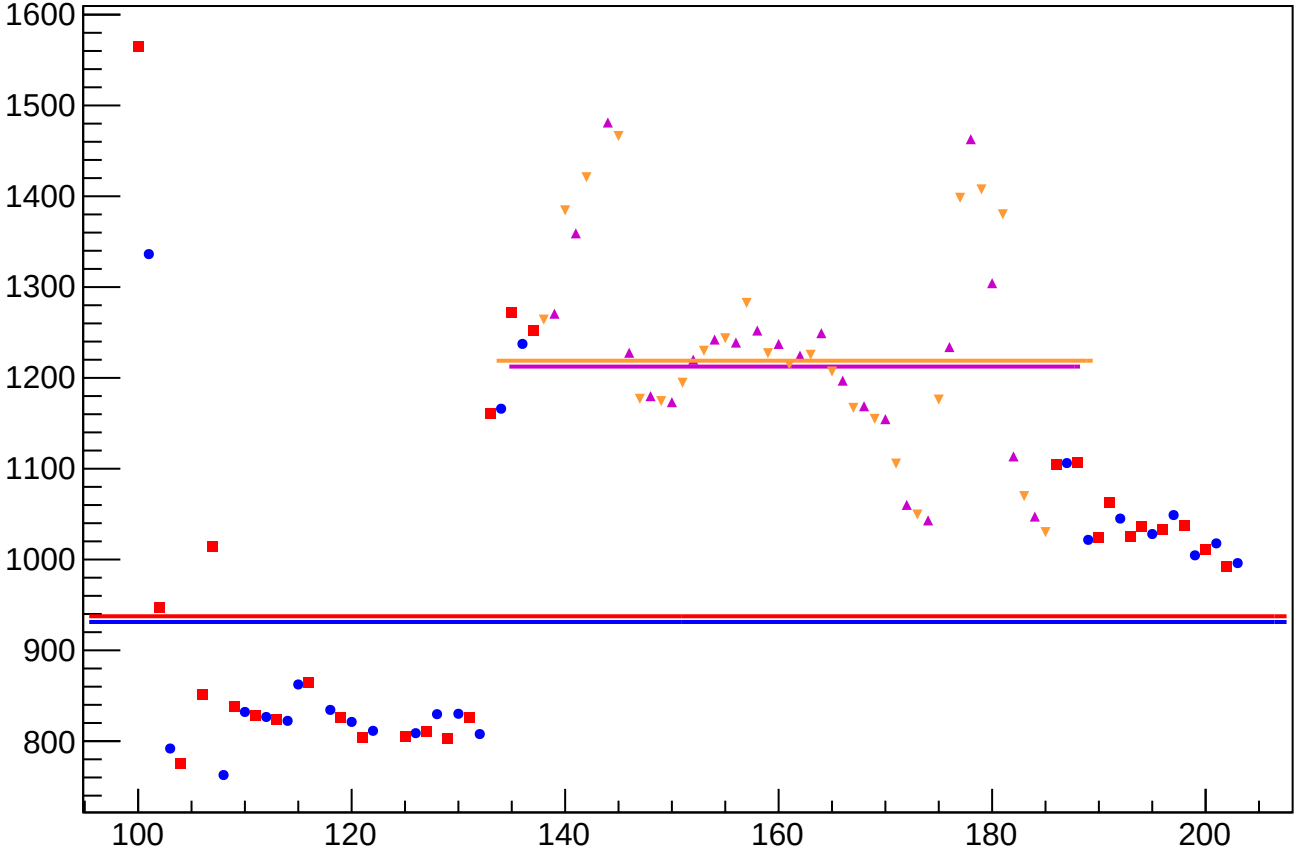
Left: 130.507+/-201.091 χ^2/NDF: 68.1/46

Right: -156.362+/-180.359 χ^2/NDF: 47.2/51

In: -192.965+/-191.598 χ^2/NDF:34.1/46

Out: 130.255+/-188.210 χ^2/NDF:80.8/51

All: -28.473+/-134.266 χ^2/NDF: 116.4/98



Right In: 931.224+/-0.183 χ^2/NDF: 585672.7/23

Left Out: 1218.928+/-0.201 χ^2/NDF:293874.9/23

Right Out: 937.522+/-0.177 χ^2/NDF: 531753.8/27

Left In: 1212.447+/-0.201 χ^2/NDF:260320.0/22

Left: 1215.687+/-0.142 χ^2/NDF: 554714.2/46

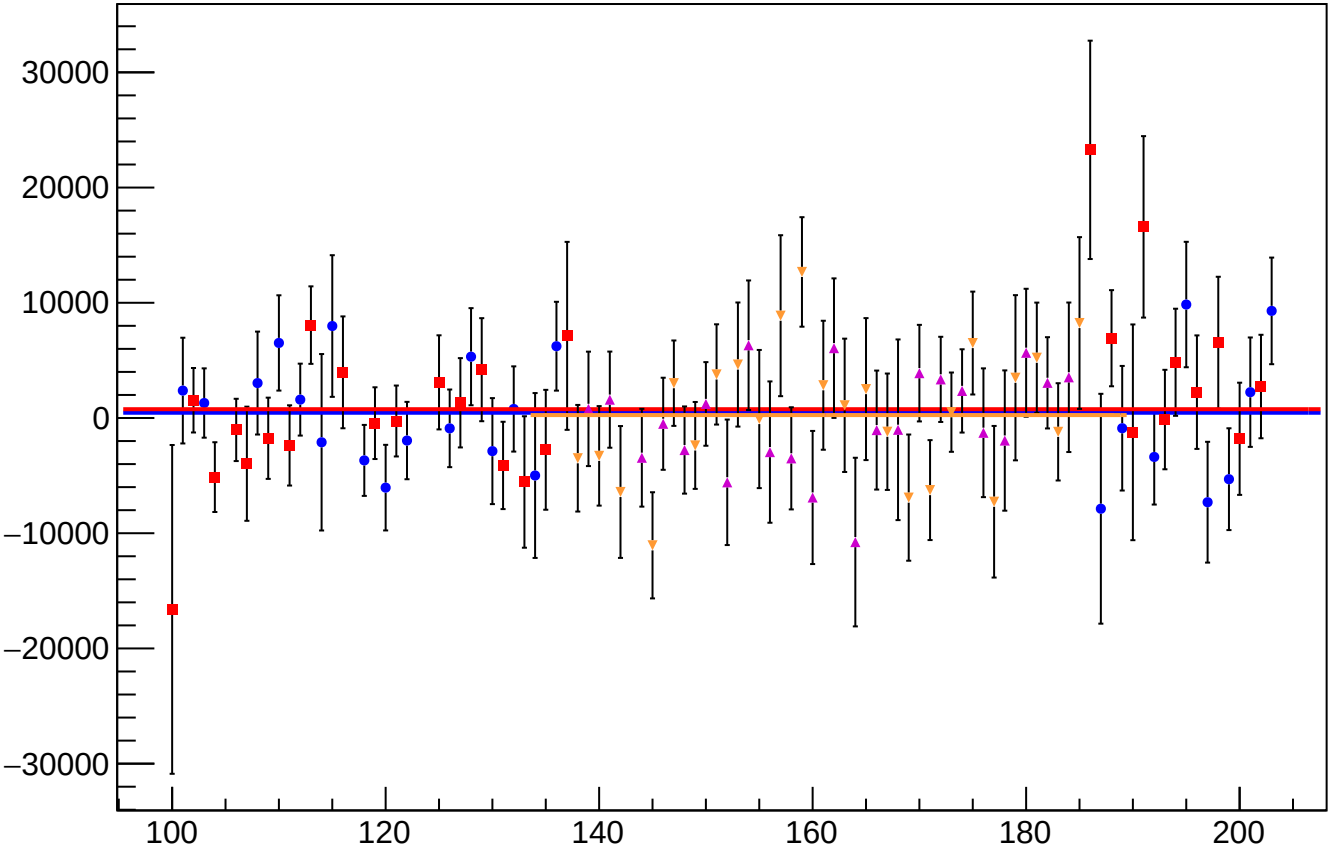
Right: 934.476+/-0.127 χ^2/NDF: 1118036.0/51

In: 1058.875+/-0.135 χ^2/NDF:1914030.6/46

Out: 1060.695+/-0.133 χ^2/NDF:1926754.8/51

All: 1059.802+/-0.095 χ^2/NDF: 3840877.2/98

asym_usl_atl2_dd_dit_correction_mean vs Slug, Sign Corrected



Right In: 455.775+/-861.871 χ^2/NDF: 27.0/23

Left Out: 252.803+/-995.149 χ^2/NDF:29.7/23

Right Out: 764.154+/-787.996 χ^2/NDF: 32.6/27

Left In: 266.235+/-990.083 χ^2/NDF:13.4/22

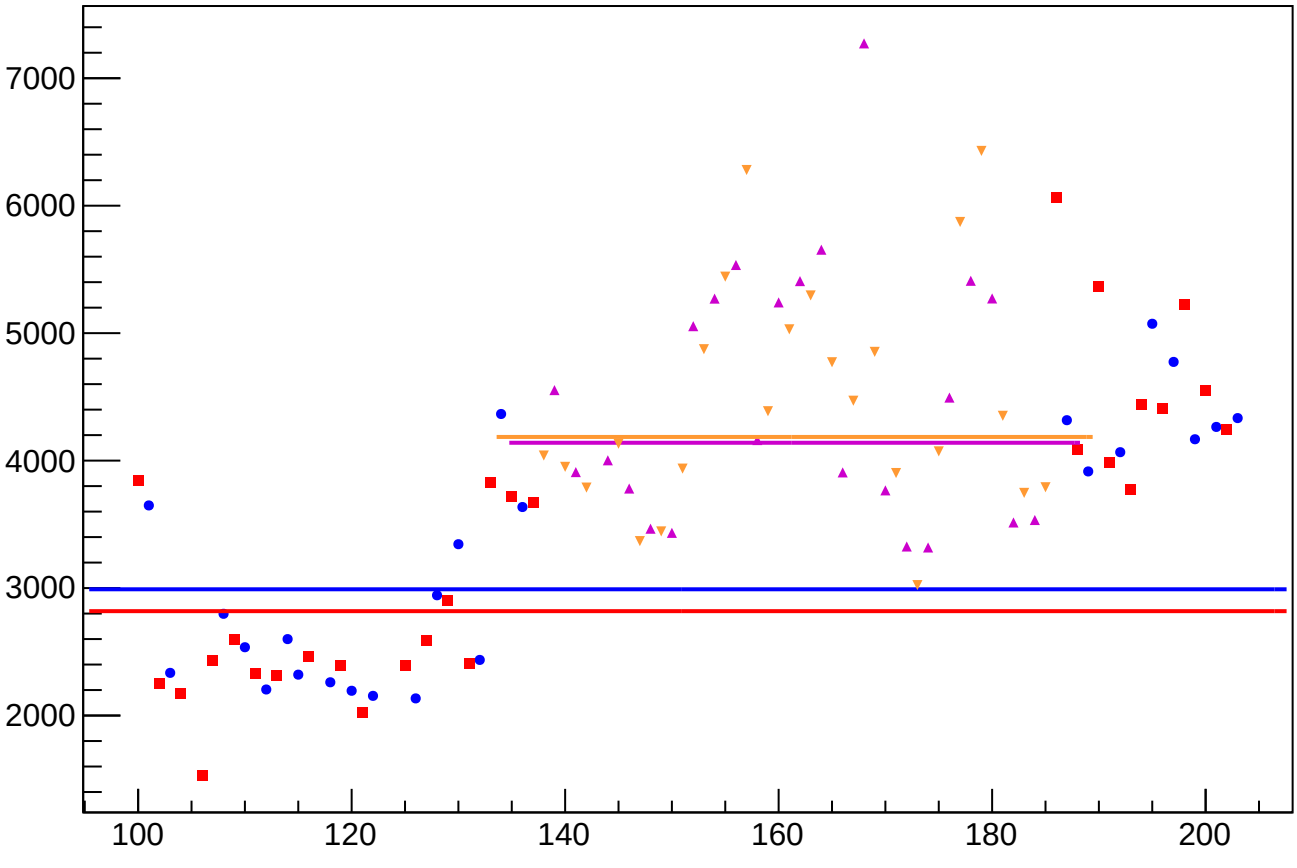
Left: 259.553+/-701.879 χ^2/NDF: 43.1/46

Right: 623.745+/-581.564 χ^2/NDF: 59.7/51

In: 374.064+/-650.070 χ^2/NDF:40.5/46

Out: 567.092+/-617.774 χ^2/NDF:62.5/51

All: 475.492+/-447.815 χ^2/NDF: 103.0/98



Right In: 2990.470+/-0.609 χ^2/NDF: 2172420.3/23

Left Out: 4185.656+/-0.704 χ^2/NDF:1271248.5/23

Right Out: 2818.935+/-0.557 χ^2/NDF: 3092841.8/27

Left In: 4140.051+/-0.700 χ^2/NDF:1449924.0/22

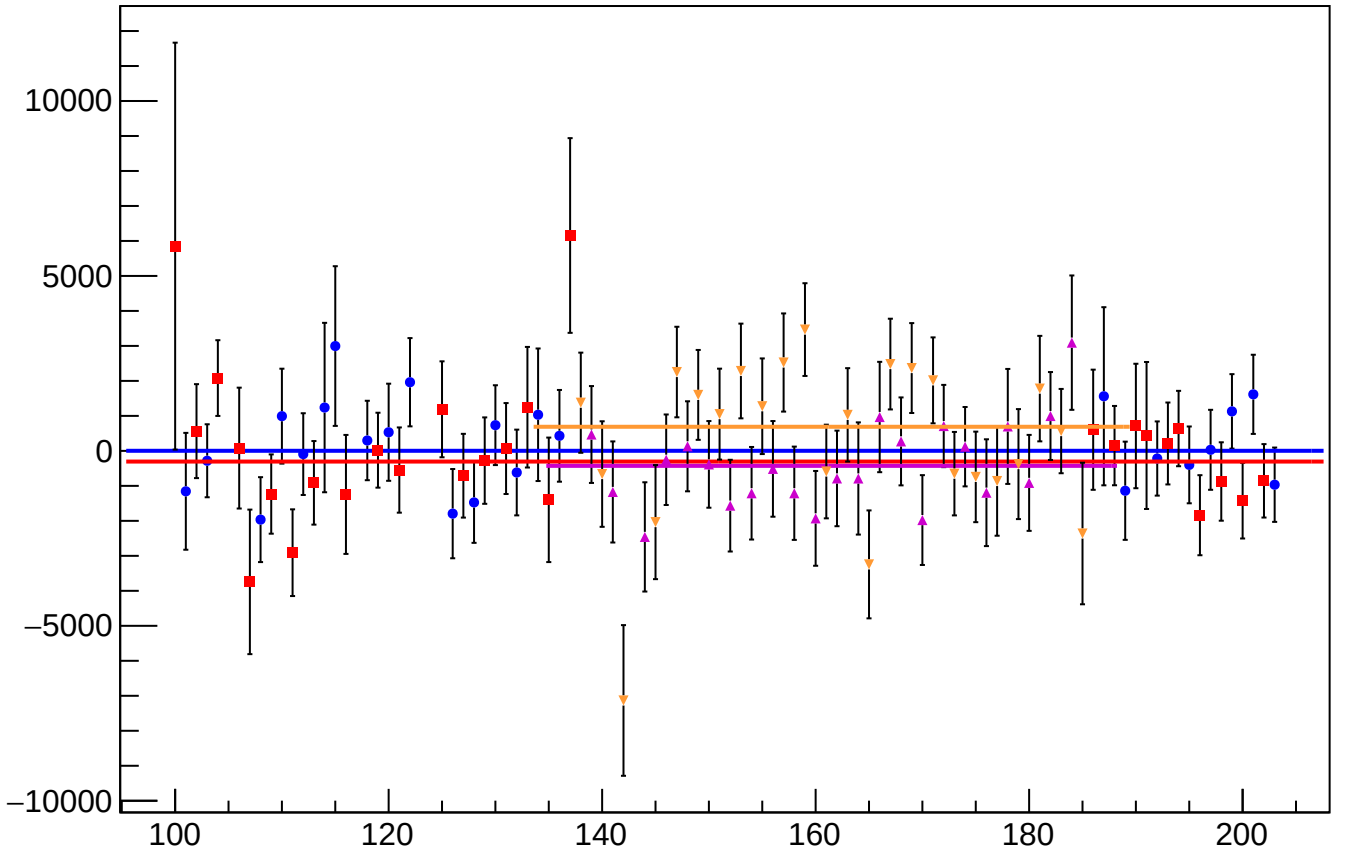
Left: 4162.737+/-0.496 χ^2/NDF: 2723283.3/46

Right: 2897.037+/-0.411 χ^2/NDF: 5308413.9/51

In: 3486.054+/-0.460 χ^2/NDF:5156263.7/46

Out: 3345.634+/-0.437 χ^2/NDF:6682679.6/51

All: 3412.269+/-0.317 χ^2/NDF: 11887978.3/9



Right In: 2.445+/-259.275 χ^2/NDF: 18.2/23

Left Out: 689.089+/-284.388 χ^2/NDF:45.7/23

Right Out: -305.263+/-251.057 χ^2/NDF: 28.2/27

Left In: -428.050+/-284.383 χ^2/NDF:14.6/22

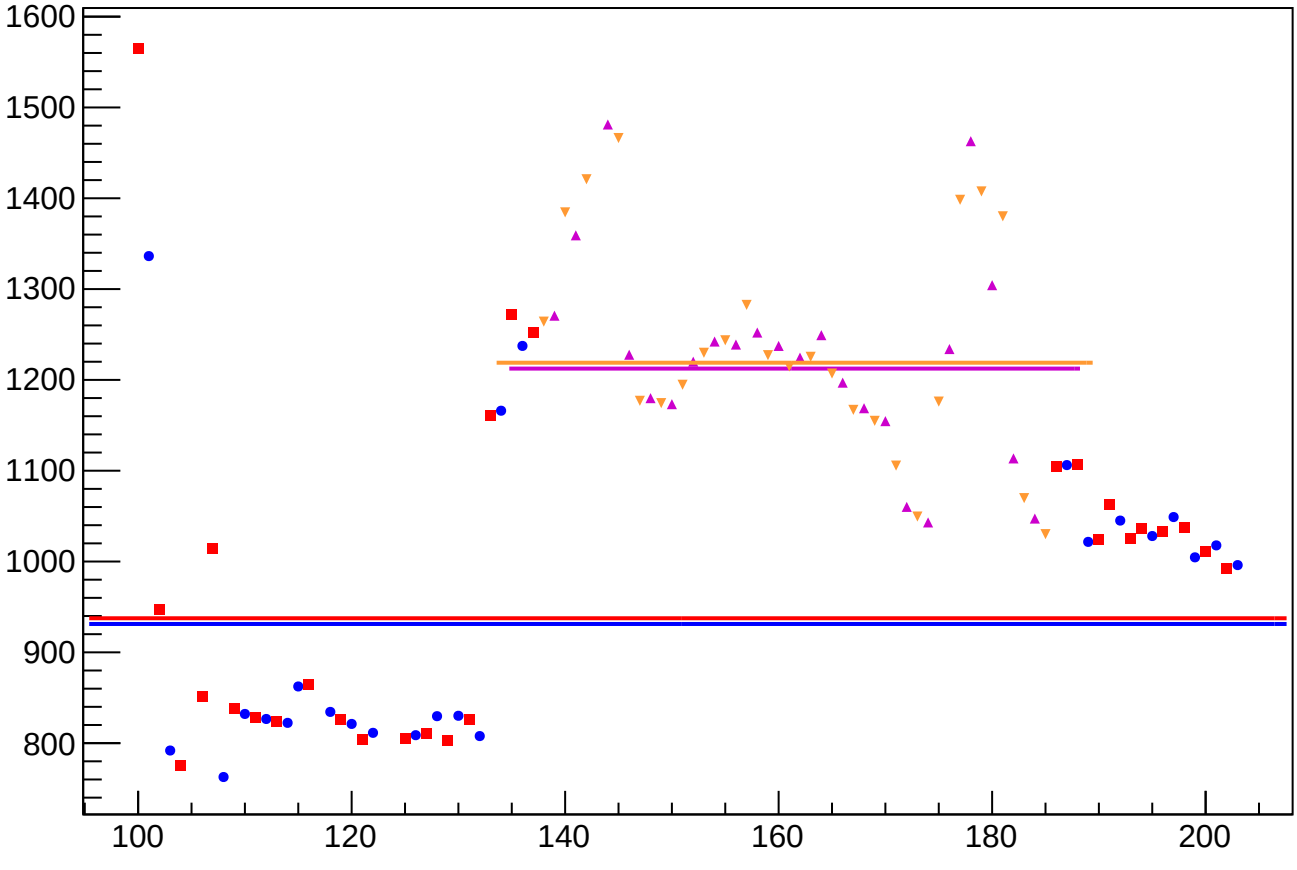
Left: 130.510+/-201.091 χ^2/NDF: 68.1/46

Right: -156.363+/-180.359 χ^2/NDF: 47.2/51

In: -192.963+/-191.598 χ^2/NDF:34.1/46

Out: 130.254+/-188.211 χ^2/NDF:80.8/51

All: -28.472+/-134.267 χ^2/NDF: 116.4/98



Right In: 931.224+/-0.183 χ^2/NDF: 585672.9/23

Left Out: 1218.929+/-0.201 χ^2/NDF:293885.7/23

Right Out: 937.522+/-0.177 χ^2/NDF: 531754.1/27

Left In: 1212.448+/-0.201 χ^2/NDF:260330.4/22

Left: 1215.689+/-0.142 χ^2/NDF: 554735.4/46

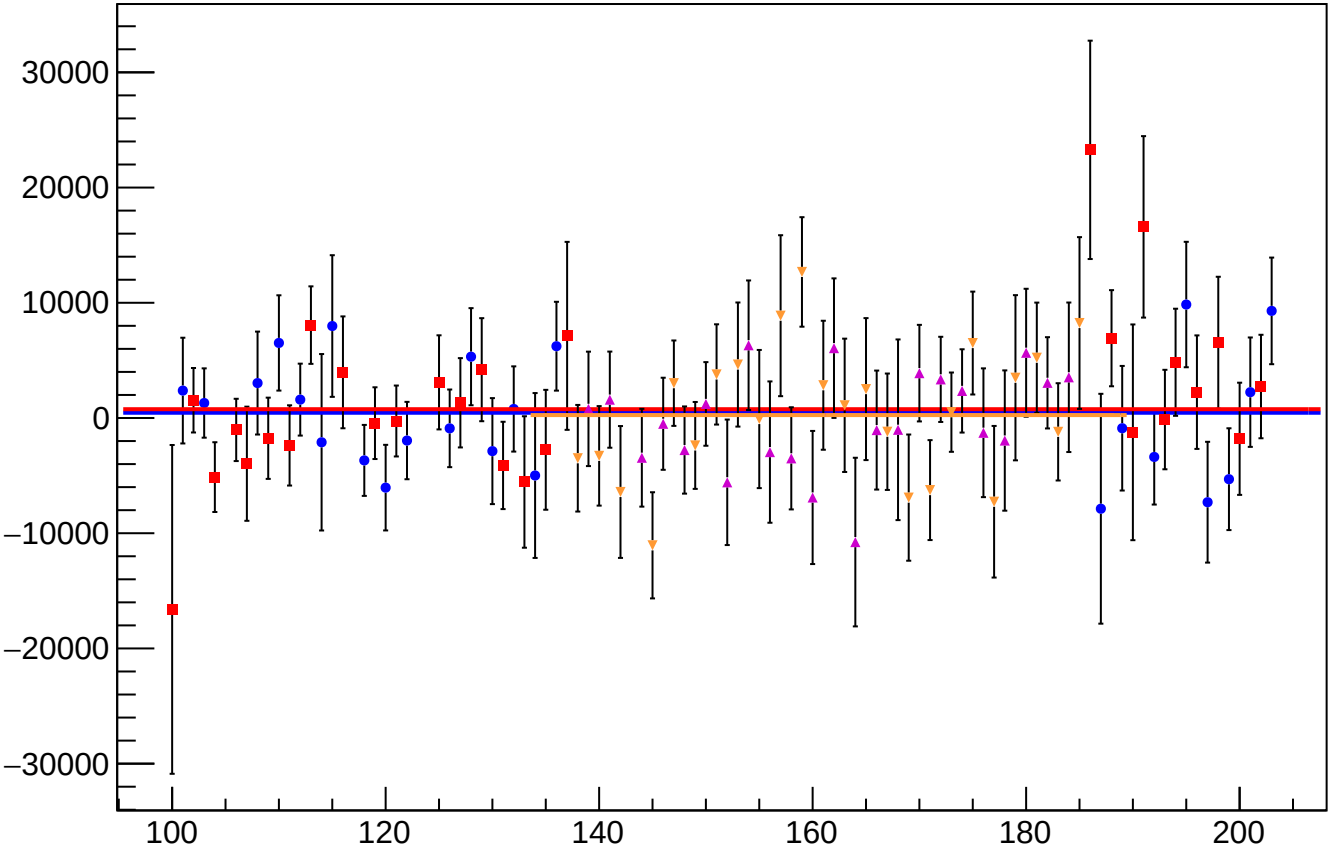
Right: 934.476+/-0.127 χ^2/NDF: 1118036.4/51

In: 1058.875+/-0.135 χ^2/NDF:1914046.6/46

Out: 1060.696+/-0.133 χ^2/NDF:1926772.2/51

All: 1059.802+/-0.095 χ^2/NDF: 3840910.6/98

asym_usl_atl2_dd_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: 455.770+/-861.869 χ^2/NDF: 27.0/23

Left Out: 252.805+/-995.151 χ^2/NDF:29.7/23

Right Out: 764.149+/-787.995 χ^2/NDF: 32.6/27

Left In: 266.236+/-990.085 χ^2/NDF:13.4/22

Left: 259.555+/-701.880 χ^2/NDF: 43.1/46

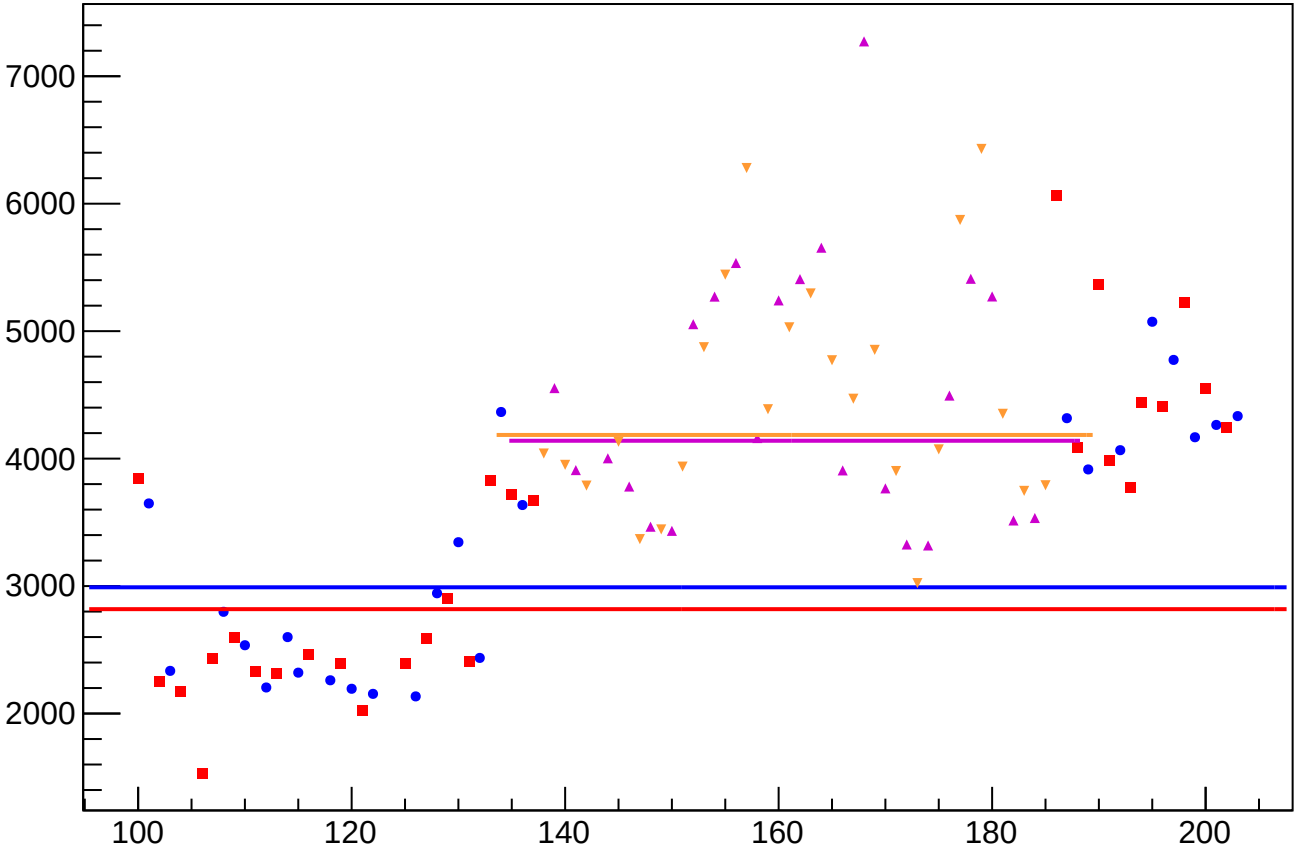
Right: 623.740+/-581.563 χ^2/NDF: 59.7/51

In: 374.062+/-650.070 χ^2/NDF:40.5/46

Out: 567.091+/-617.774 χ^2/NDF:62.5/51

All: 475.491+/-447.814 χ^2/NDF: 103.0/98

asym_usl_atl2_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 2990.462+/-0.609 χ^2/NDF: 2172451.8/23

Left Out: 4185.664+/-0.704 χ^2/NDF:1271247.4/23

Right Out: 2818.928+/-0.557 χ^2/NDF: 3092869.5/27

Left In: 4140.059+/-0.700 χ^2/NDF:1449925.1/22

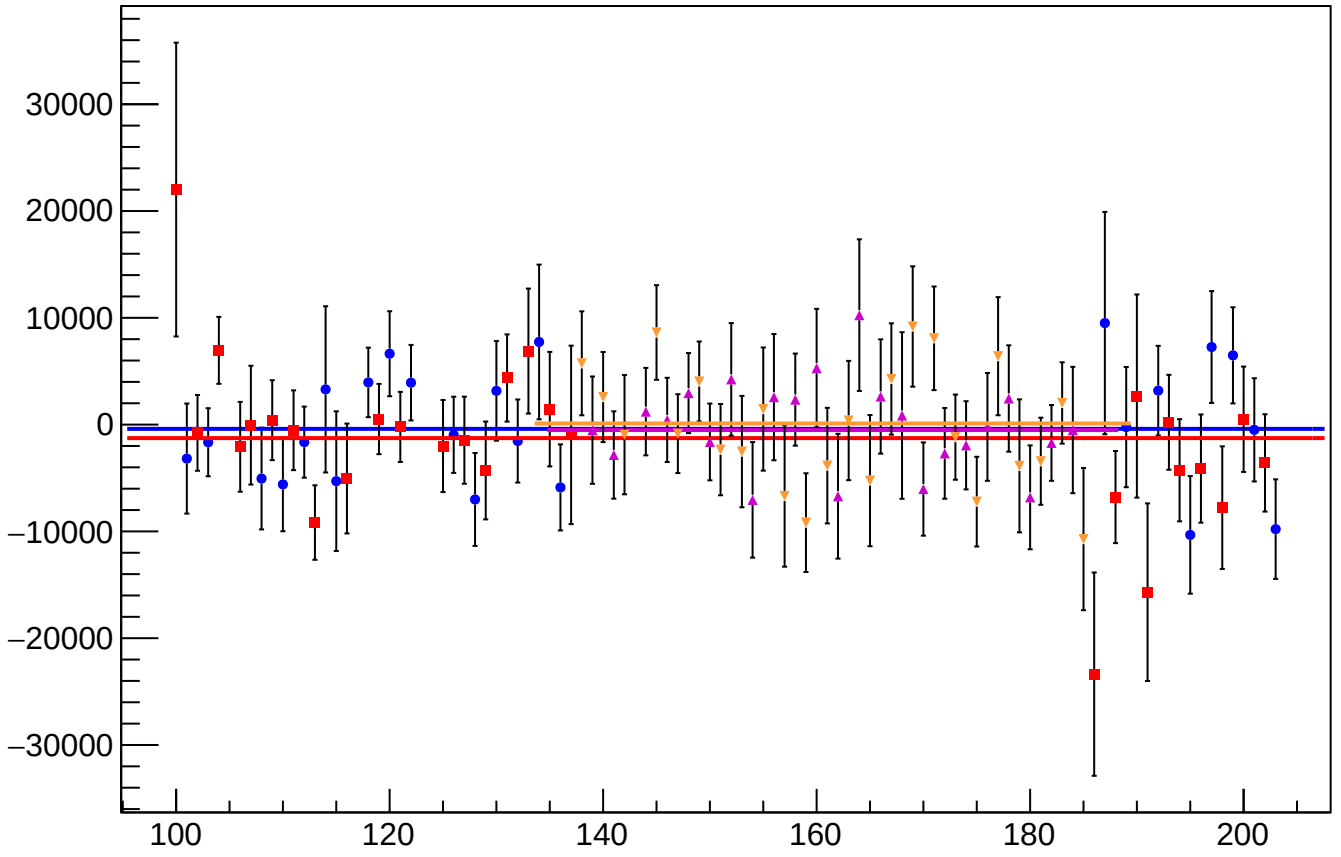
Left: 4162.745+/-0.496 χ^2/NDF: 2723283.4/46

Right: 2897.030+/-0.411 χ^2/NDF: 5308472.7/51

In: 3486.051+/-0.460 χ^2/NDF:5156336.2/46

Out: 3345.630+/-0.437 χ^2/NDF:6682754.3/51

All: 3412.266+/-0.317 χ^2/NDF: 11888125.5/9



Right In: -397.292+/-901.931 χ^2/NDF: 29.7/23

Left Out: 108.966+/-975.598 χ^2/NDF:28.0/23

Right Out: -1263.872+/-855.326 χ^2/NDF: 33.4/27

Left In: -509.024+/-974.173 χ^2/NDF:13.5/22

Left: -200.481+/-689.348 χ^2/NDF: 41.8/46

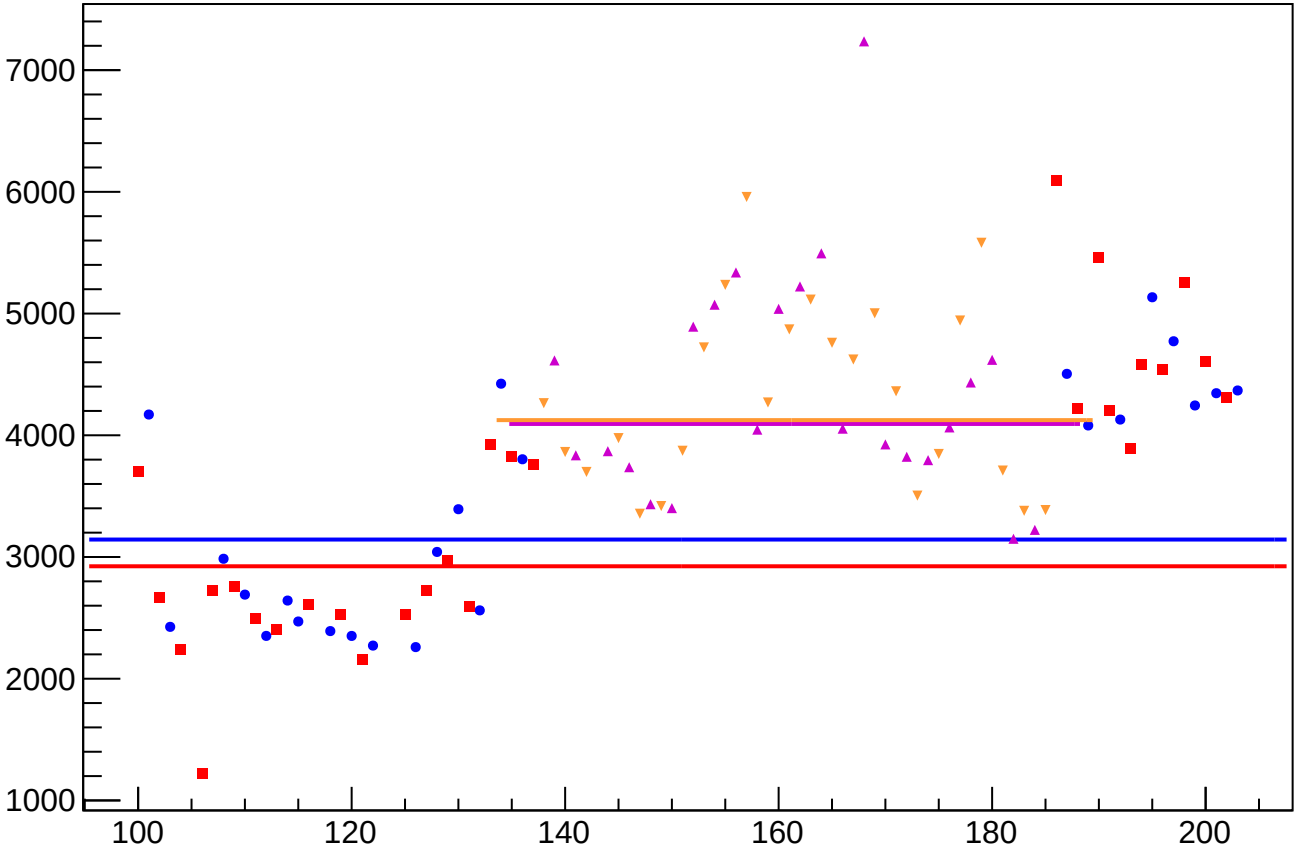
Right: -853.549+/-620.629 χ^2/NDF: 63.6/51

In: -448.862+/-661.829 χ^2/NDF:43.2/46

Out: -667.247+/-643.150 χ^2/NDF:62.6/51

All: -561.180+/-461.238 χ^2/NDF: 105.8/98

asym_usl_atl2_dd_rms vs Slug, Sign Corrected



Right In: 3143.396+/-0.638 χ^2/NDF: 1981399.4/23

Left Out: 4124.485+/-0.690 χ^2/NDF:969929.3/23

Right Out: 2923.794+/-0.584 χ^2/NDF: 3292273.4/27

Left In: 4093.066+/-0.689 χ^2/NDF:1162851.8/22

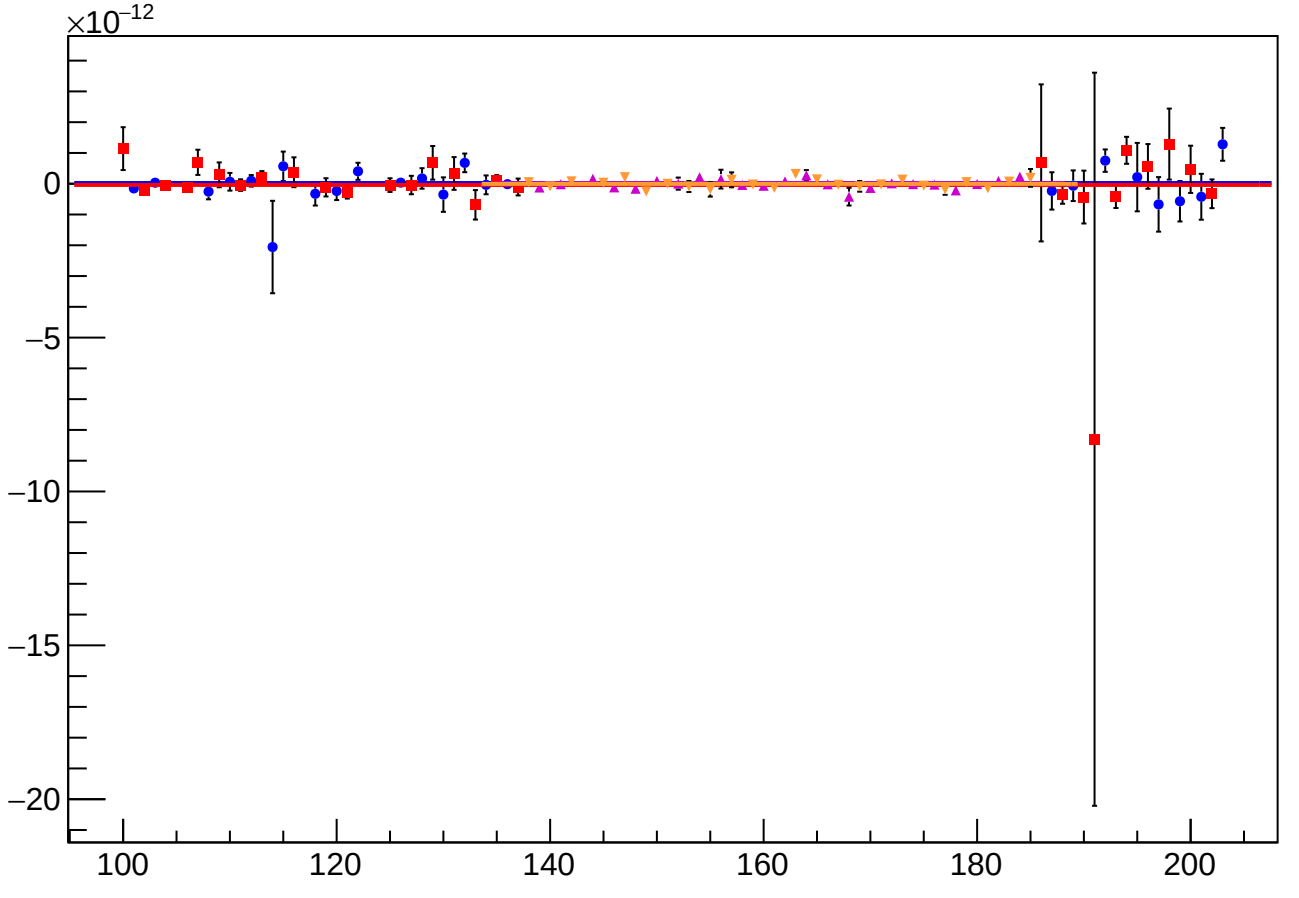
Left: 4108.753+/-0.487 χ^2/NDF: 2133819.7/46

Right: 3023.902+/-0.431 χ^2/NDF: 5338189.1/51

In: 3581.717+/-0.468 χ^2/NDF:4167658.6/46

Out: 3424.789+/-0.446 χ^2/NDF:6027542.5/51

All: 3499.413+/-0.323 χ^2/NDF: 10254175.3/9



Right In: 0.000+/-0.000 χ^2/NDF: 27.0/23

Left Out: -0.000+/-0.000 χ^2/NDF:24.2/23

Right Out: -0.000+/-0.000 χ^2/NDF: 29.4/27

Left In: 0.000+/-0.000 χ^2/NDF:25.7/22

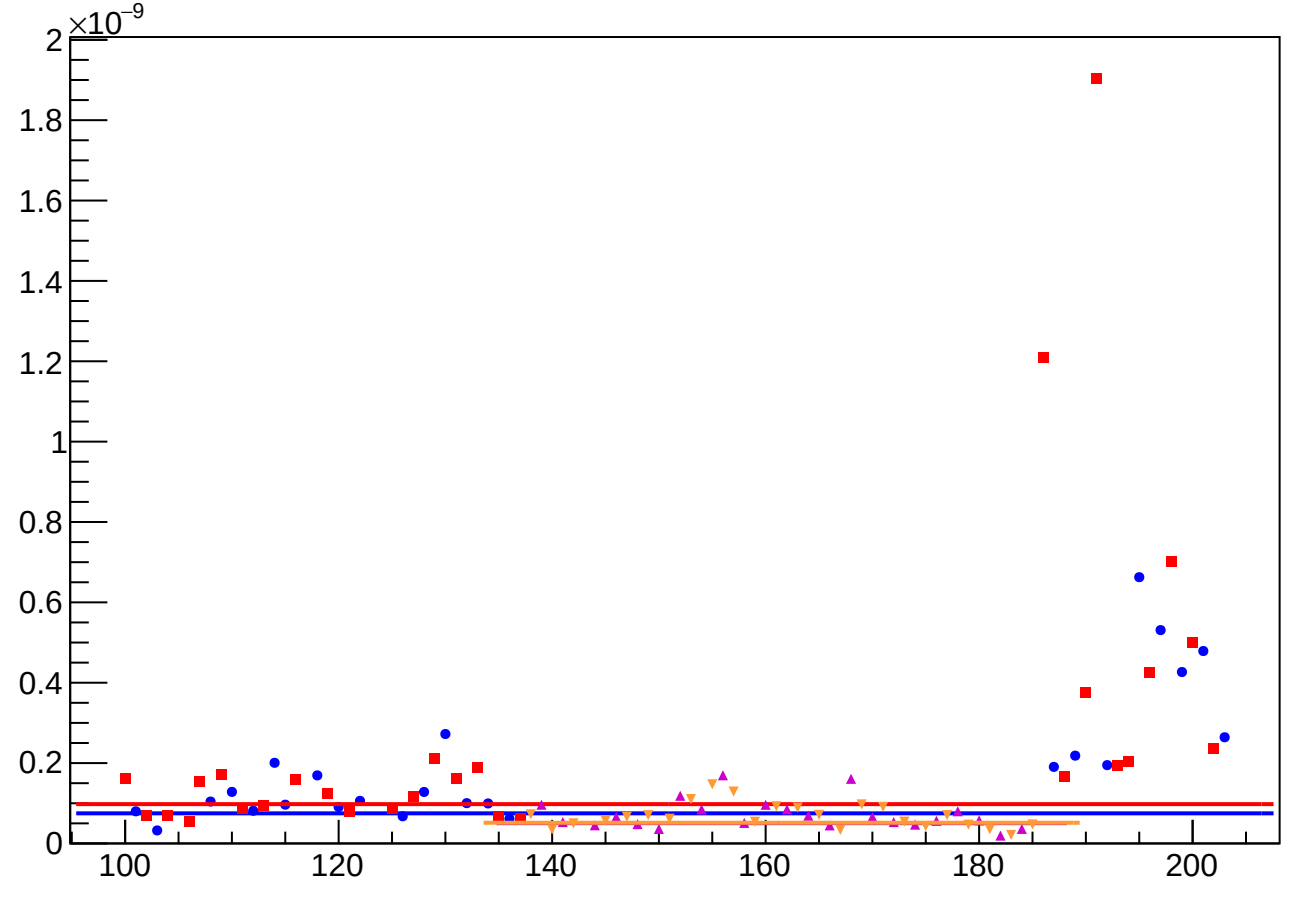
Left: 0.000+/-0.000 χ^2/NDF: 50.4/46

Right: -0.000+/-0.000 χ^2/NDF: 57.2/51

In: 0.000+/-0.000 χ^2/NDF:52.7/46

Out: -0.000+/-0.000 χ^2/NDF:53.9/51

All: 0.000+/-0.000 χ^2/NDF: 107.7/98



Right In: 0.000+/-0.000 χ^2/NDF: 4277469.0/23

Left Out: 0.000+/-0.000 χ^2/NDF:2269565.3/23

Right Out: 0.000+/-0.000 χ^2/NDF: 3510283.0/27

Left In: 0.000+/-0.000 χ^2/NDF:2433650.3/22

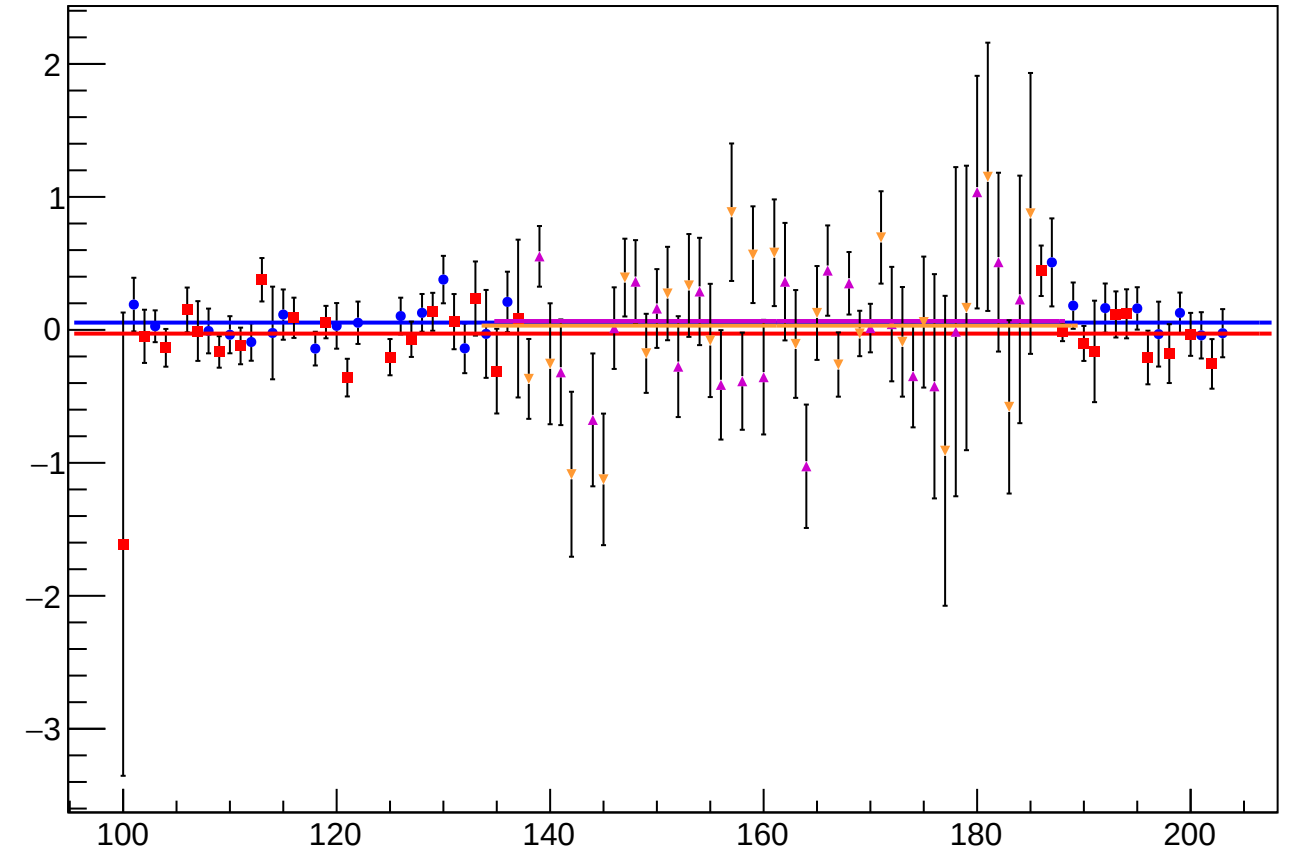
Left: 0.000+/-0.000 χ^2/NDF: 4705429.8/46

Right: 0.000+/-0.000 χ^2/NDF: 8024160.2/51

In: 0.000+/-0.000 χ^2/NDF:7220777.8/46

Out: 0.000+/-0.000 χ^2/NDF:7168573.5/51

All: 0.000+/-0.000 χ^2/NDF: 14418867.4/98



Right In: 0.055+/-0.035 χ^2/NDF: 14.0/23

Left Out: 0.032+/-0.076 χ^2/NDF:29.7/23

Right Out: -0.028+/-0.030 χ^2/NDF: 32.9/27

Left In: 0.067+/-0.075 χ^2/NDF:25.7/22

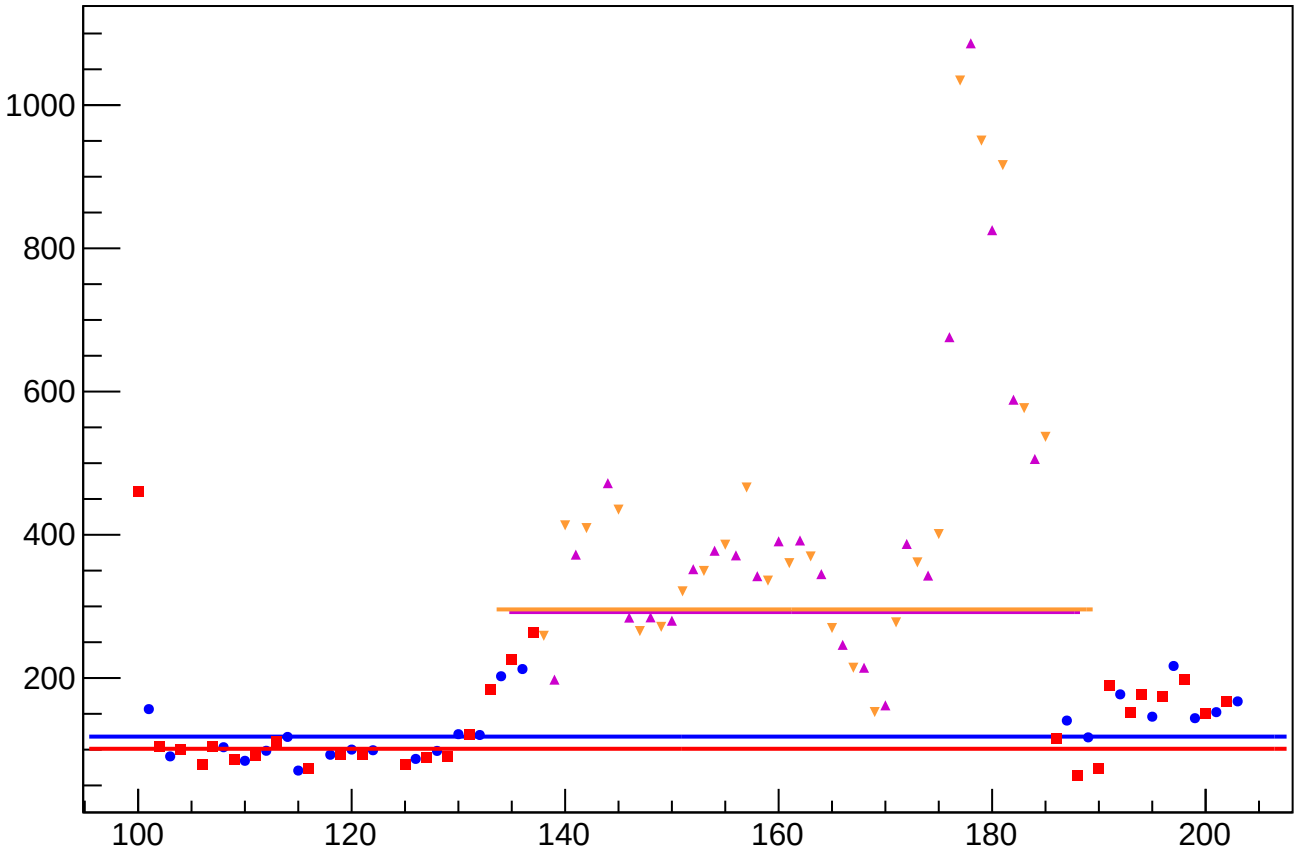
Left: 0.050+/-0.053 χ^2/NDF: 55.5/46

Right: 0.007+/-0.023 χ^2/NDF: 50.2/51

In: 0.057+/-0.032 χ^2/NDF:39.7/46

Out: -0.020+/-0.028 χ^2/NDF:63.1/51

All: 0.013+/-0.021 χ^2/NDF: 106.2/98



Right In: 118.194+/-0.025 χ^2/NDF: 2107362.2/23

Left Out: 295.798+/-0.054 χ^2/NDF:5501077.8/23

Right Out: 101.186+/-0.021 χ^2/NDF: 3361234.9/27

Left In: 292.100+/-0.053 χ^2/NDF:5055737.7/22

Left: 293.917+/-0.038 χ^2/NDF: 10559224.0/46

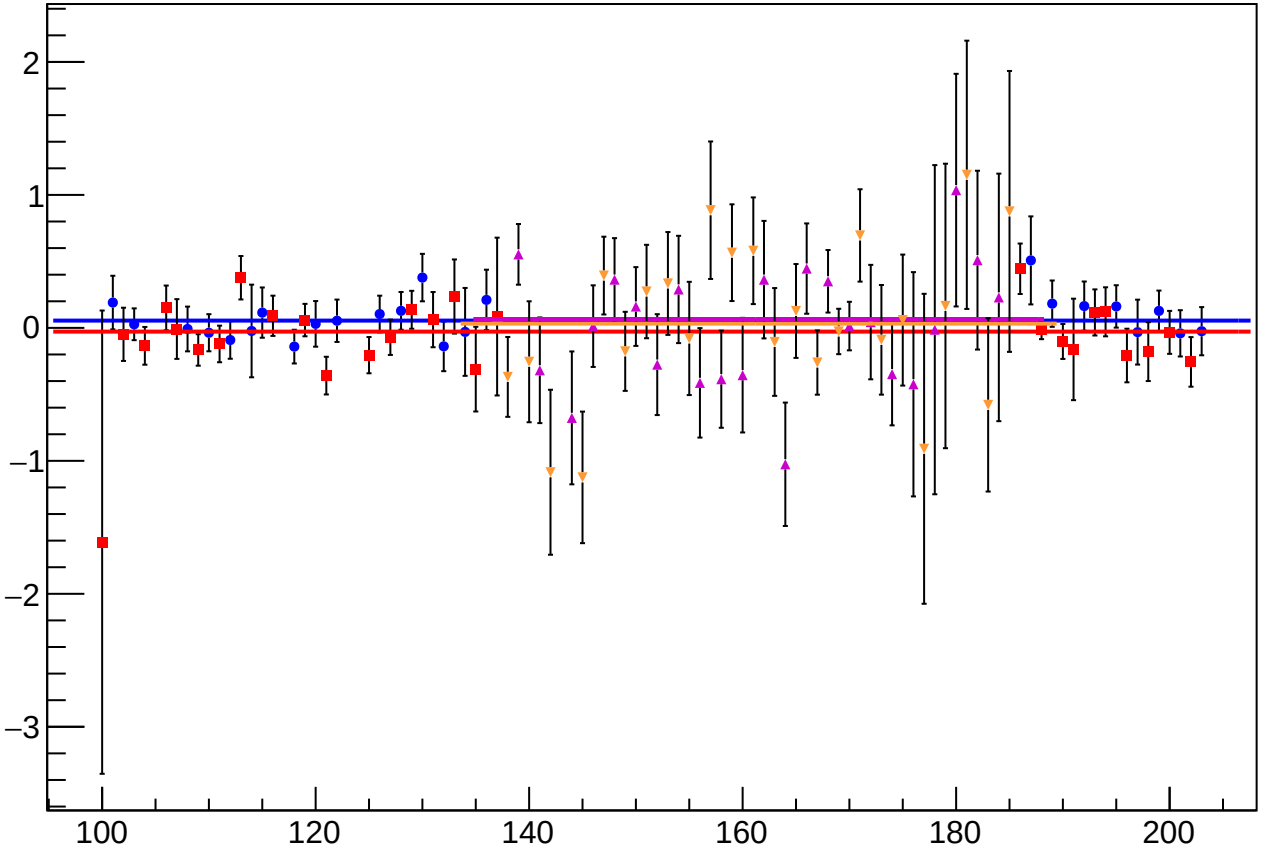
Right: 108.361+/-0.016 χ^2/NDF: 5745480.7/51

In: 149.130+/-0.022 χ^2/NDF:16069665.7/46

Out: 126.950+/-0.020 χ^2/NDF:20238909.6/51

All: 136.599+/-0.015 χ^2/NDF: 36868250.6/98

asym_usl_atl2_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.055+/-0.035 χ^2/NDF: 14.0/23

Left Out: 0.032+/-0.076 χ^2/NDF:29.7/23

Right Out: -0.028+/-0.030 χ^2/NDF: 32.9/27

Left In: 0.067+/-0.075 χ^2/NDF:25.7/22

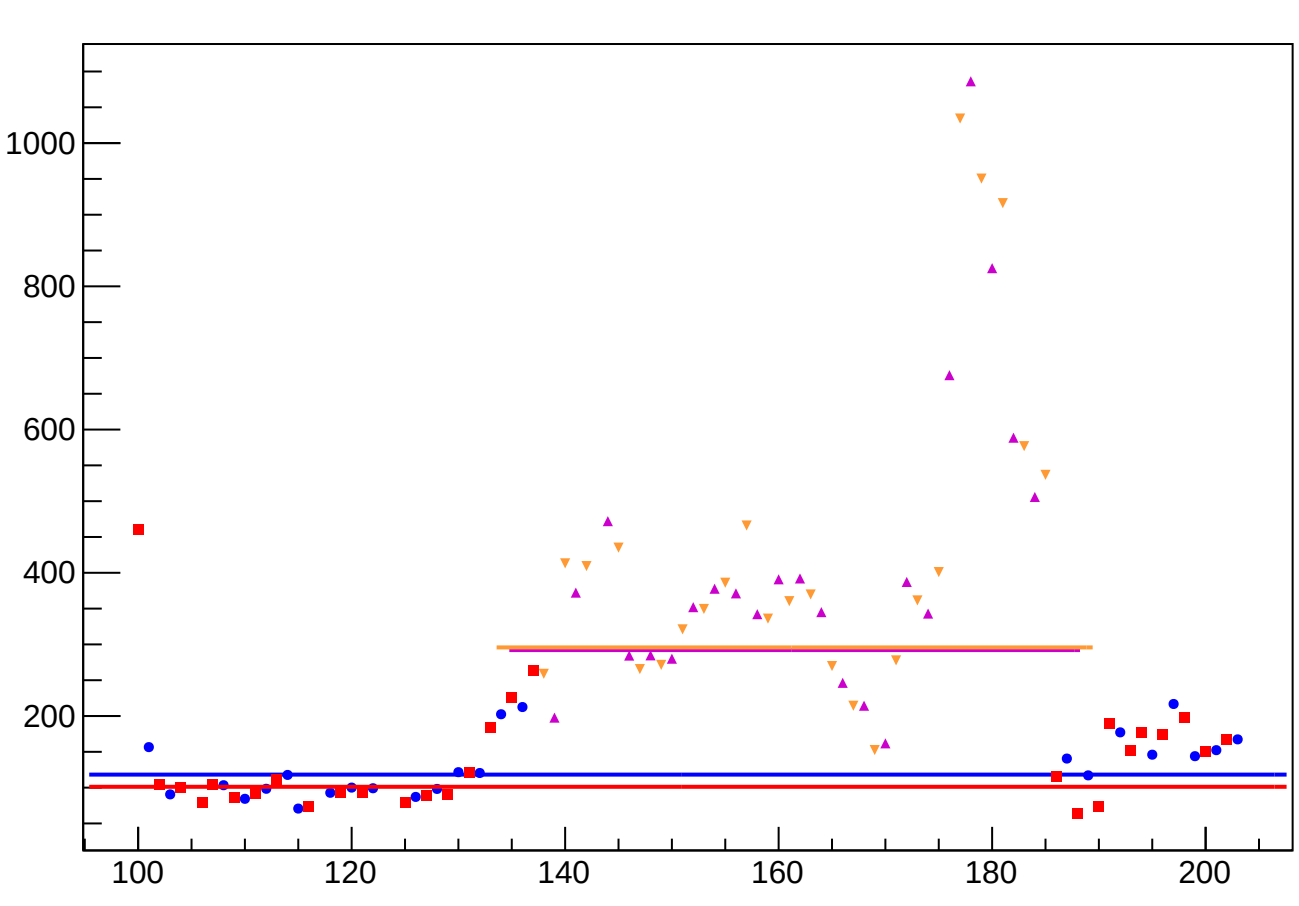
Left: 0.050+/-0.053 χ^2/NDF: 55.5/46

Right: 0.007+/-0.023 χ^2/NDF: 50.2/51

In: 0.057+/-0.032 χ^2/NDF:39.7/46

Out: -0.020+/-0.028 χ^2/NDF:63.1/51

All: 0.013+/-0.021 χ^2/NDF: 106.2/98



Right In: 118.194+/-0.025 χ^2/NDF: 2107362.2/23

Left Out: 295.798+/-0.054 χ^2/NDF:5501077.8/23

Right Out: 101.186+/-0.021 χ^2/NDF: 3361234.9/27

Left In: 292.100+/-0.053 χ^2/NDF:5055737.7/22

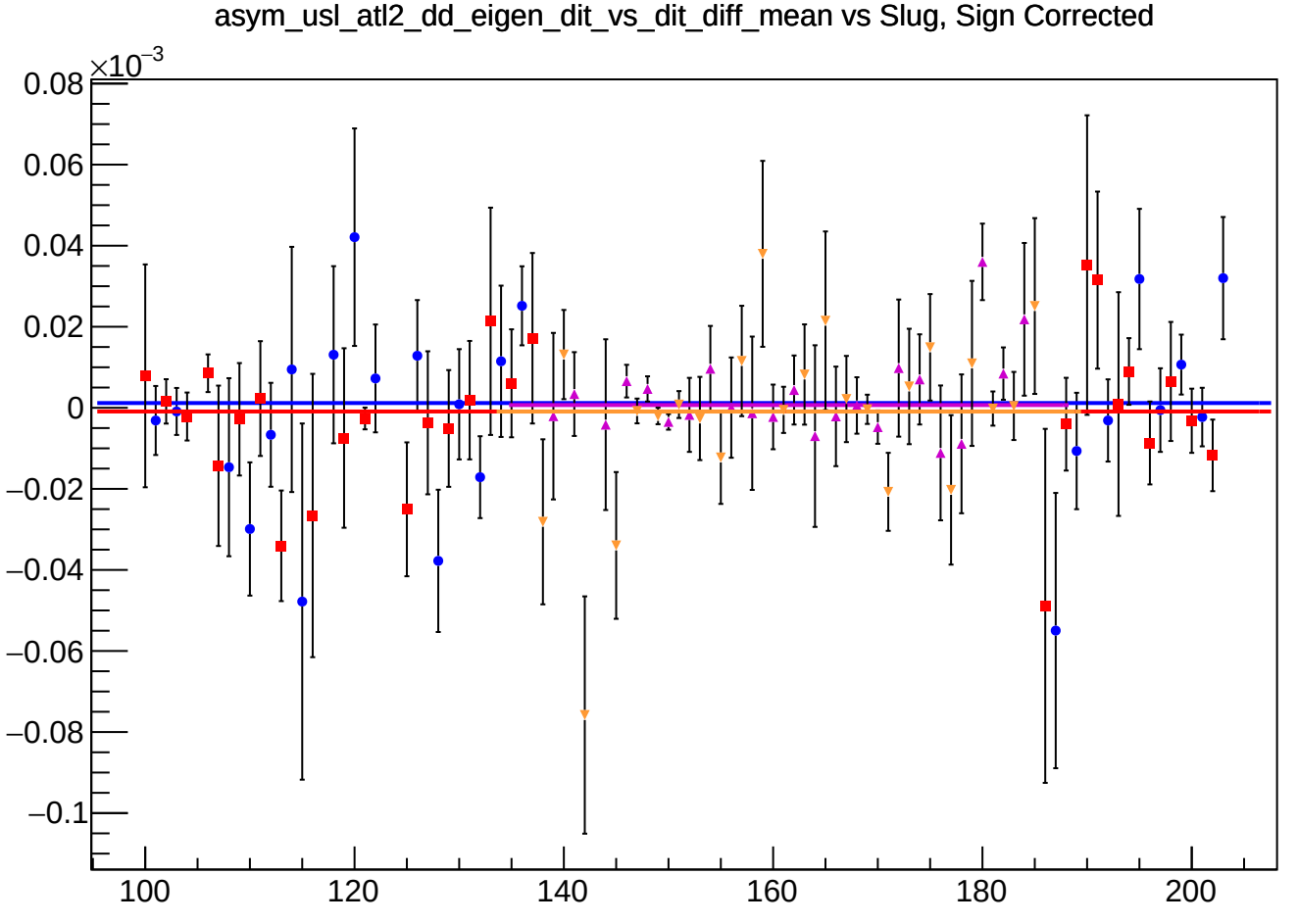
Left: 293.917+/-0.038 χ^2/NDF: 10559224.0/46

Right: 108.361+/-0.016 χ^2/NDF: 5745480.7/51

In: 149.130+/-0.022 χ^2/NDF:16069665.7/46

Out: 126.950+/-0.020 χ^2/NDF:20238909.6/51

All: 136.599+/-0.015 χ^2/NDF: 36868250.6/98



Right In: 0.000+/-0.000 χ^2/NDF: 37.1/23

Left Out: -0.000+/-0.000 χ^2/NDF:29.1/23

Right Out: -0.000+/-0.000 χ^2/NDF: 24.2/27

Left In: 0.000+/-0.000 χ^2/NDF:29.8/22

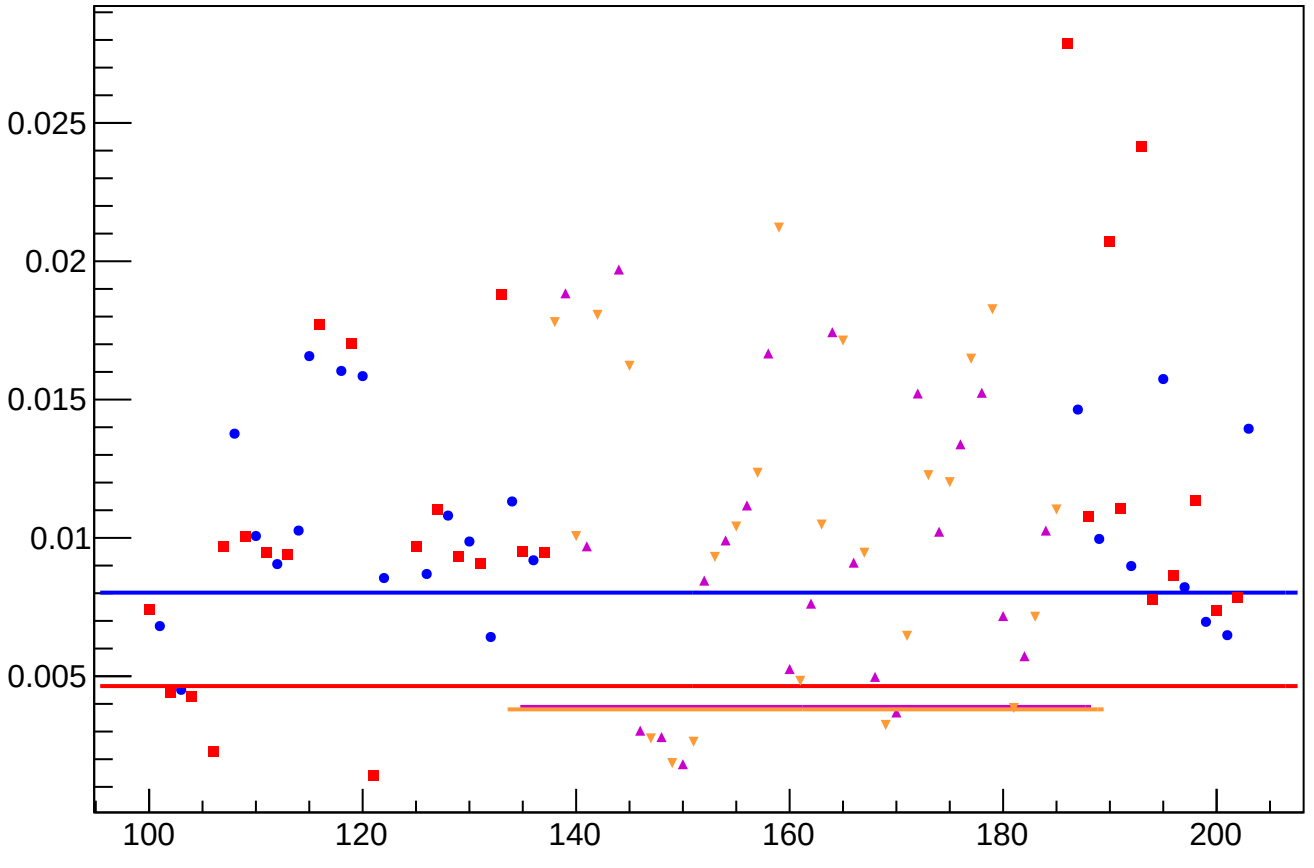
Left: -0.000+/-0.000 χ^2/NDF: 59.8/46

Right: -0.000+/-0.000 χ^2/NDF: 61.8/51

In: 0.000+/-0.000 χ^2/NDF:66.9/46

Out: -0.000+/-0.000 χ^2/NDF:53.3/51

All: -0.000+/-0.000 χ^2/NDF: 121.5/98



Right In: 0.008+/-0.000 χ^2/NDF: 2687065.8/23

Left Out: 0.004+/-0.000 χ^2/NDF:14624926.4/23

Right Out: 0.005+/-0.000 χ^2/NDF: 11215104.4/27

Left In: 0.004+/-0.000 χ^2/NDF:13523554.3/22

Left: 0.004+/-0.000 χ^2/NDF: 28153751.6/46

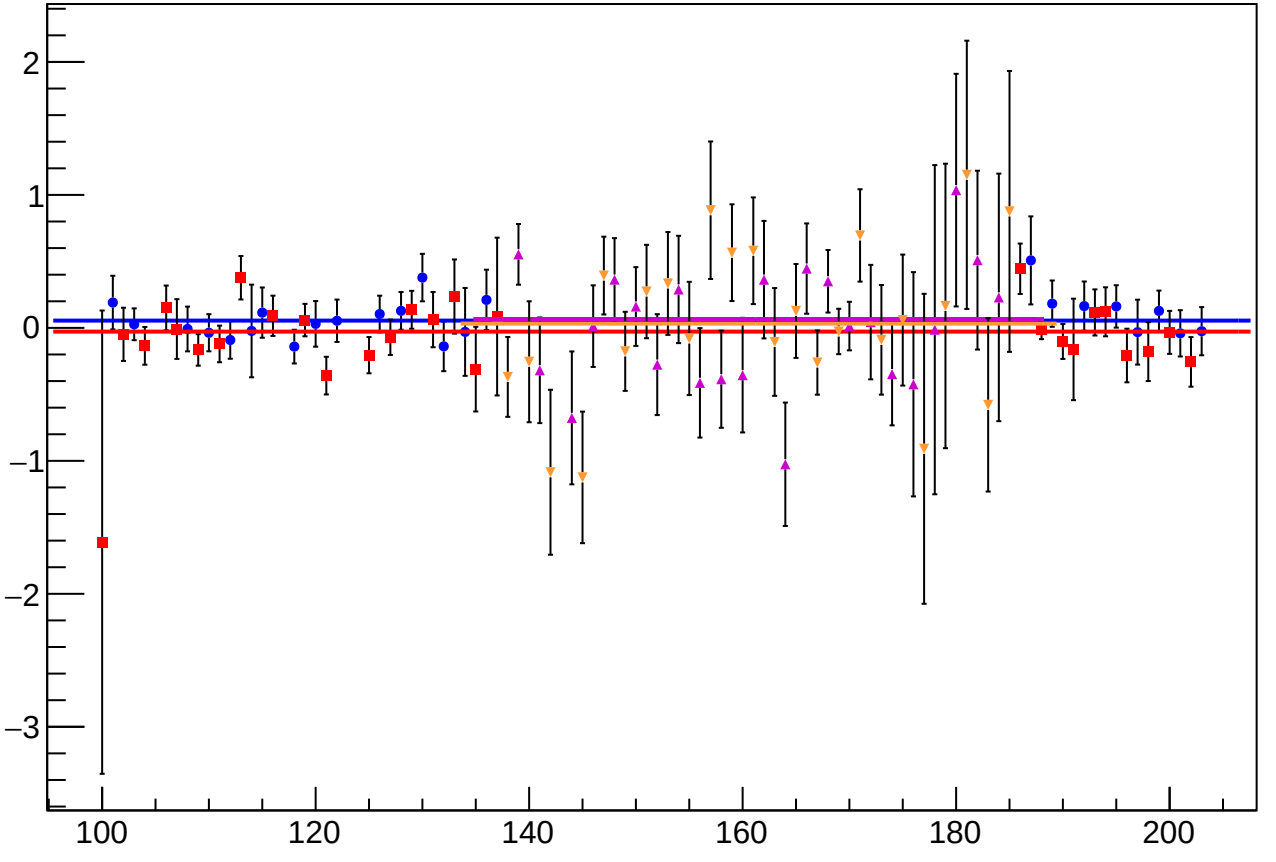
Right: 0.006+/-0.000 χ^2/NDF: 16584286.9/51

In: 0.005+/-0.000 χ^2/NDF:20889052.3/46

Out: 0.004+/-0.000 χ^2/NDF:26180194.7/51

All: 0.004+/-0.000 χ^2/NDF: 47482554.3/98

asym_usl_atl2_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.055+/-0.035 χ^2/NDF: 14.0/23

Left Out: 0.032+/-0.076 χ^2/NDF:29.7/23

Right Out: -0.028+/-0.030 χ^2/NDF: 32.9/27

Left In: 0.067+/-0.075 χ^2/NDF:25.7/22

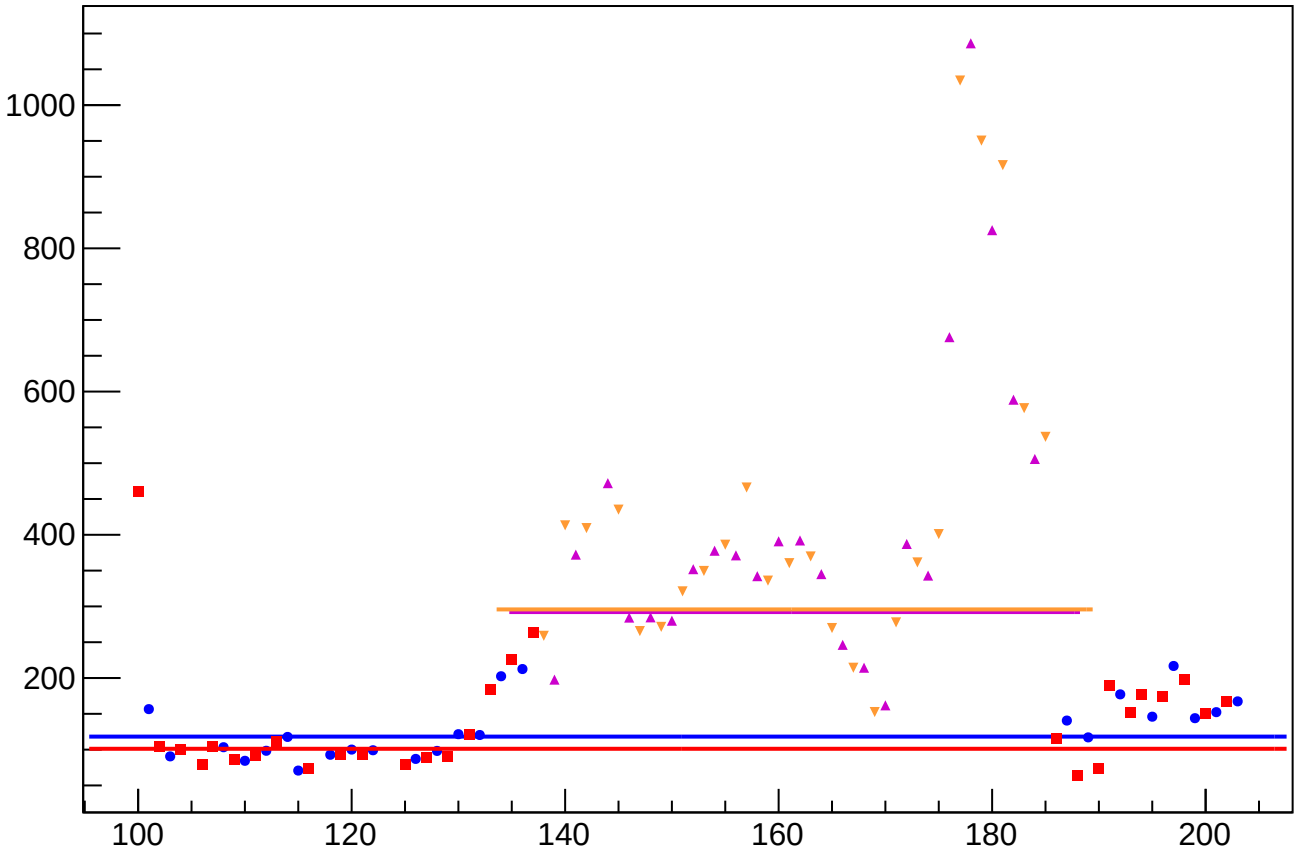
Left: 0.050+/-0.053 χ^2/NDF: 55.5/46

Right: 0.007+/-0.023 χ^2/NDF: 50.2/51

In: 0.057+/-0.032 χ^2/NDF:39.7/46

Out: -0.020+/-0.028 χ^2/NDF:63.1/51

All: 0.013+/-0.021 χ^2/NDF: 106.2/98



Right In: 118.194+/-0.025 χ^2/NDF: 2107328.9/23

Left Out: 295.800+/-0.054 χ^2/NDF:5501139.3/23

Right Out: 101.184+/-0.021 χ^2/NDF: 3361367.2/27

Left In: 292.103+/-0.053 χ^2/NDF:5055695.7/22

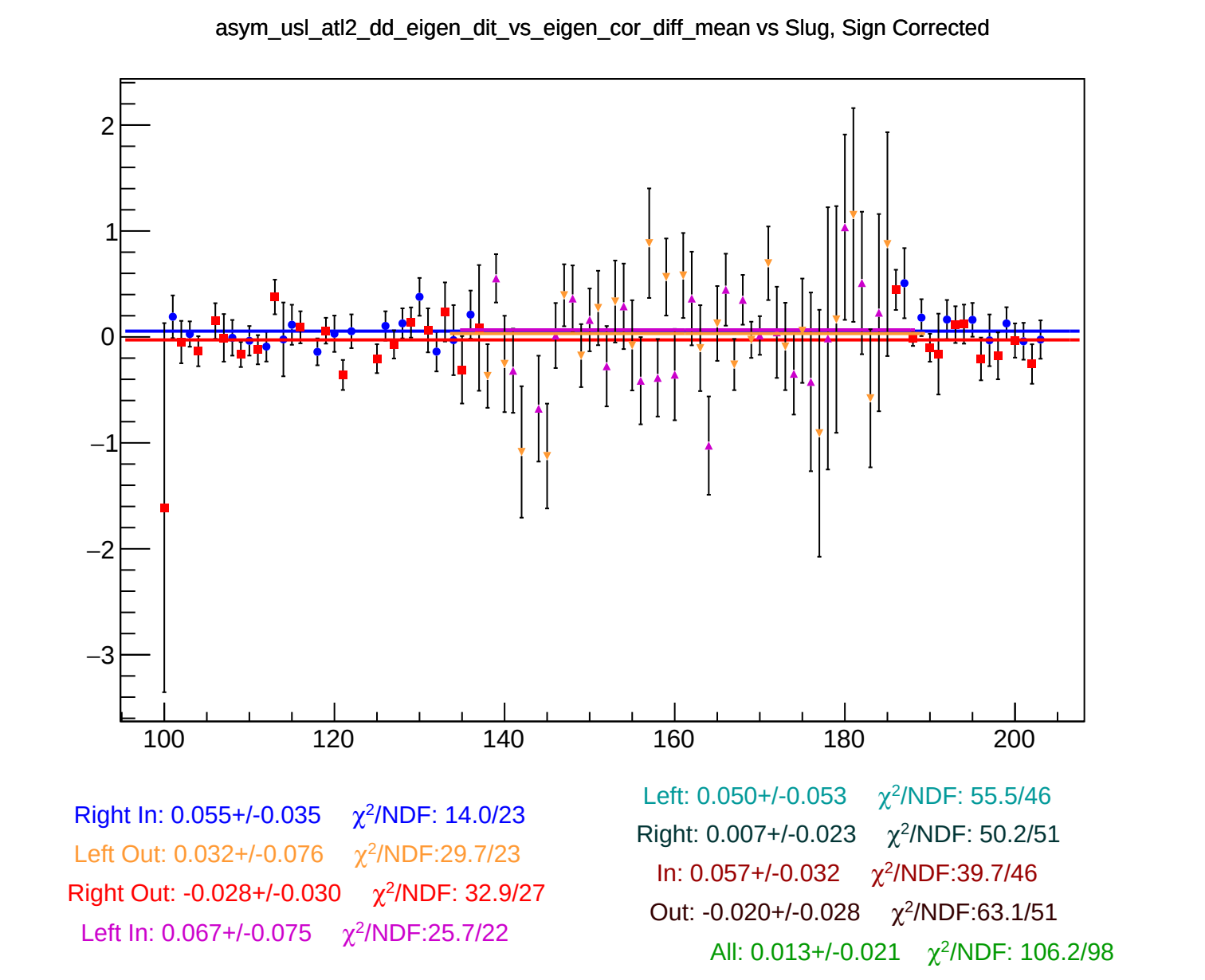
Left: 293.920+/-0.038 χ^2/NDF: 10559241.5/46

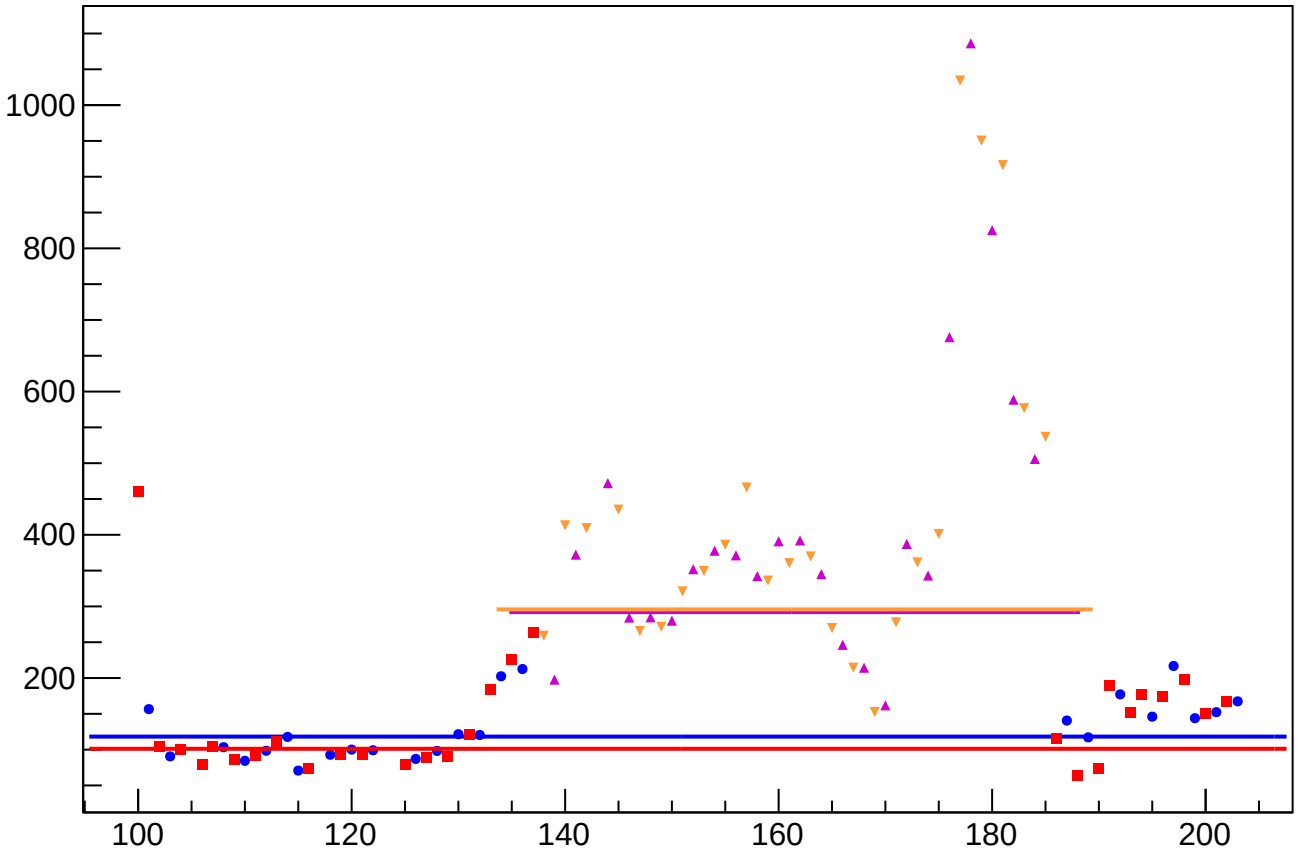
Right: 108.360+/-0.016 χ^2/NDF: 5745645.5/51

In: 149.130+/-0.022 χ^2/NDF:16069709.9/46

Out: 126.948+/-0.020 χ^2/NDF:20239385.6/51

All: 136.598+/-0.015 χ^2/NDF: 36868898.0/98


asym_usl_atl2_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected
2
1
0
−1
−2
−3
100
120
140
160
180
200
Right In: 0.055+/-0.035 χ²/NDF: 14.0/23
Left Out: 0.032+/-0.076 χ²/NDF:29.7/23
Right Out: -0.028+/-0.030 χ²/NDF: 32.9/27
Left In: 0.067+/-0.075 χ²/NDF:25.7/22
Left: 0.050+/-0.053 χ²/NDF: 55.5/46
Right: 0.007+/-0.023 χ²/NDF: 50.2/51
In: 0.057+/-0.032 χ²/NDF:39.7/46
Out: -0.020+/-0.028 χ²/NDF:63.1/51
All: 0.013+/-0.021 χ²/NDF: 106.2/98



Right In: 118.194+/-0.025 χ^2/NDF: 2107328.9/23

Left Out: 295.800+/-0.054 χ^2/NDF:5501139.3/23

Right Out: 101.184+/-0.021 χ^2/NDF: 3361367.2/27

Left In: 292.103+/-0.053 χ^2/NDF:5055695.7/22

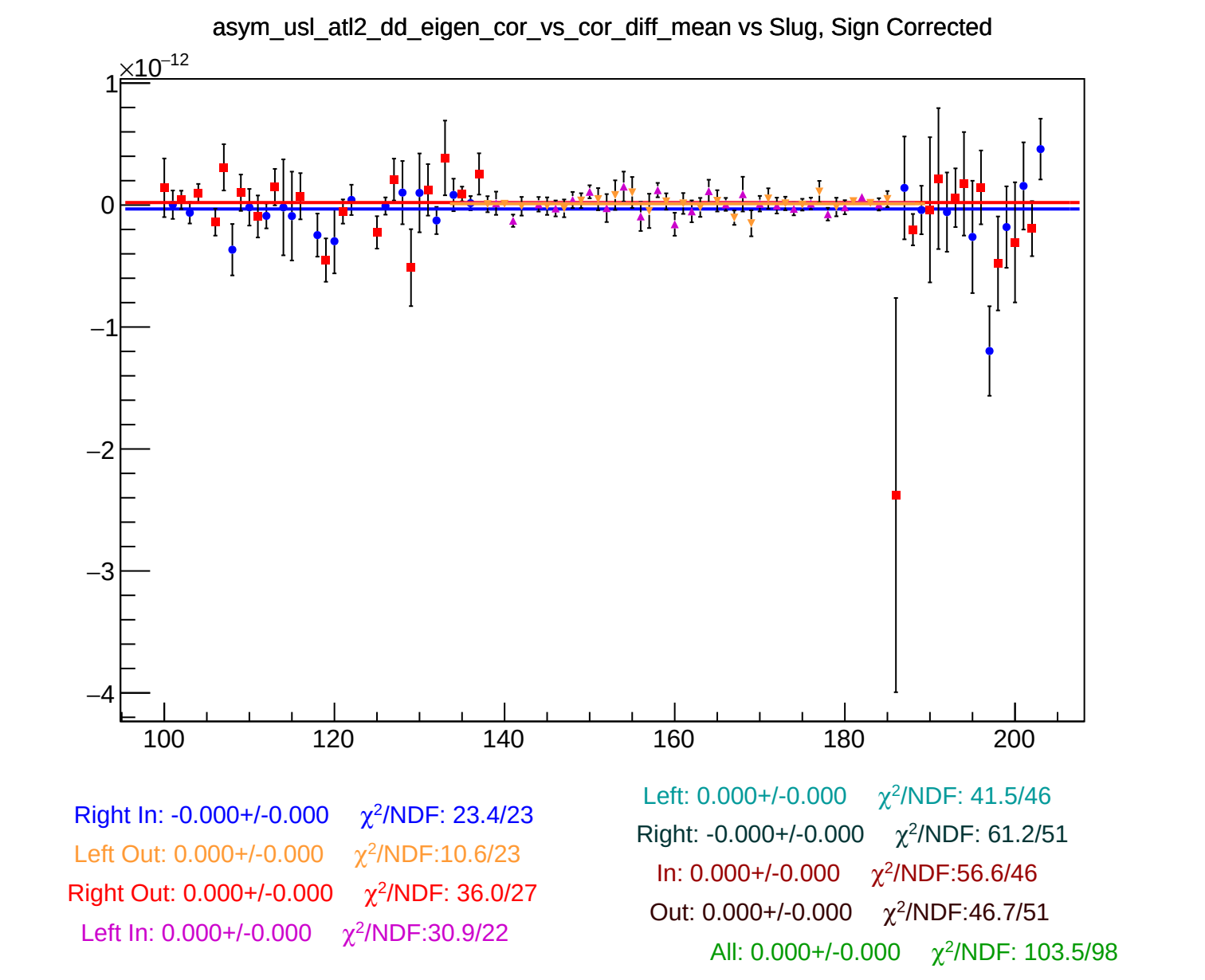
Left: 293.920+/-0.038 χ^2/NDF: 10559241.5/46

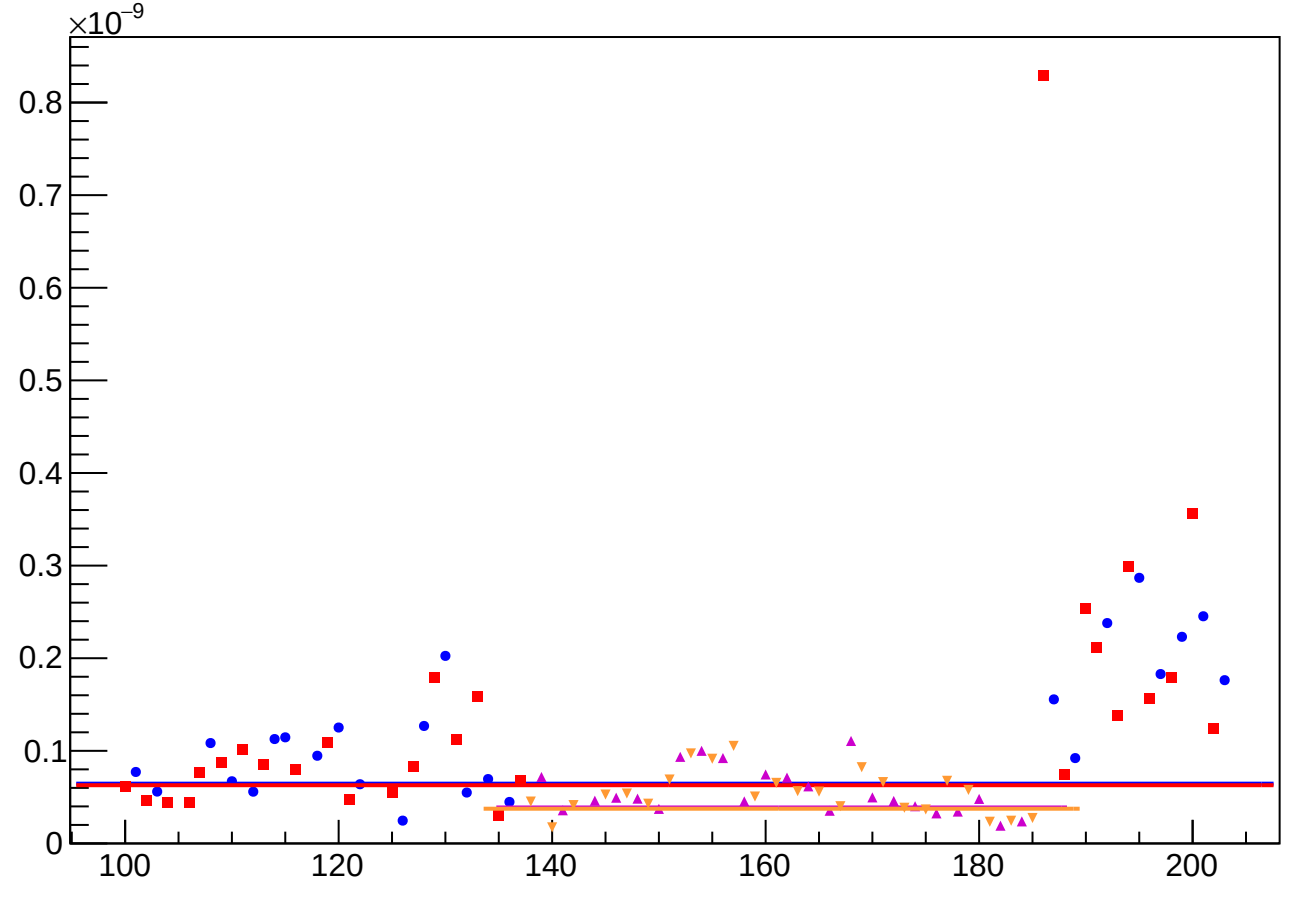
Right: 108.360+/-0.016 χ^2/NDF: 5745645.5/51

In: 149.130+/-0.022 χ^2/NDF:16069709.9/46

Out: 126.948+/-0.020 χ^2/NDF:20239385.6/51

All: 136.598+/-0.015 χ^2/NDF: 36868898.0/98


asym_usl_atl2_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: 23.4/23
Left Out: 0.000+/-0.000 χ²/NDF:10.6/23
Right Out: 0.000+/-0.000 χ²/NDF: 36.0/27
Left In: 0.000+/-0.000 χ²/NDF:30.9/22
Left: 0.000+/-0.000 χ²/NDF: 41.5/46
Right: -0.000+/-0.000 χ²/NDF: 61.2/51
In: 0.000+/-0.000 χ²/NDF:56.6/46
Out: 0.000+/-0.000 χ²/NDF:46.7/51
All: 0.000+/-0.000 χ²/NDF: 103.5/98



Right In: 0.000+/-0.000 χ^2/NDF: 4476742.7/23

Left Out: 0.000+/-0.000 χ^2/NDF:4983727.4/23

Right Out: 0.000+/-0.000 χ^2/NDF: 4743868.3/27

Left In: 0.000+/-0.000 χ^2/NDF:4577795.4/22

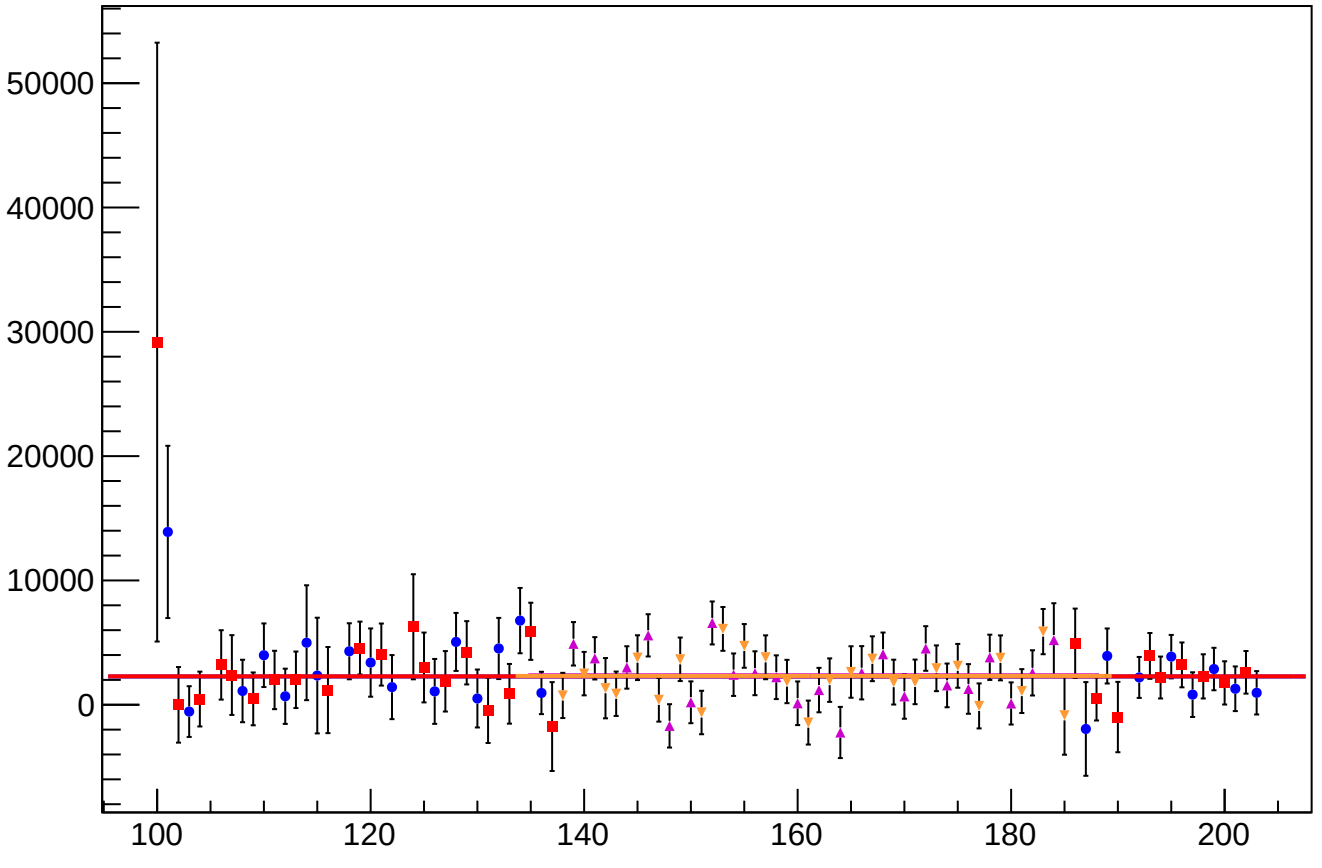
Left: 0.000+/-0.000 χ^2/NDF: 9574010.5/46

Right: 0.000+/-0.000 χ^2/NDF: 9224157.4/51

In: 0.000+/-0.000 χ^2/NDF:10432457.2/46

Out: 0.000+/-0.000 χ^2/NDF:11177364.6/51

All: 0.000+/-0.000 χ^2/NDF: 21621412.3/98



Right In: 2272.982+/-457.423 χ^2/NDF: 18.2/23

Left Out: 2321.067+/-366.301 χ^2/NDF:27.5/24

Right Out: 2285.895+/-437.659 χ^2/NDF: 16.4/27

Left In: 2370.629+/-376.798 χ^2/NDF:33.7/22

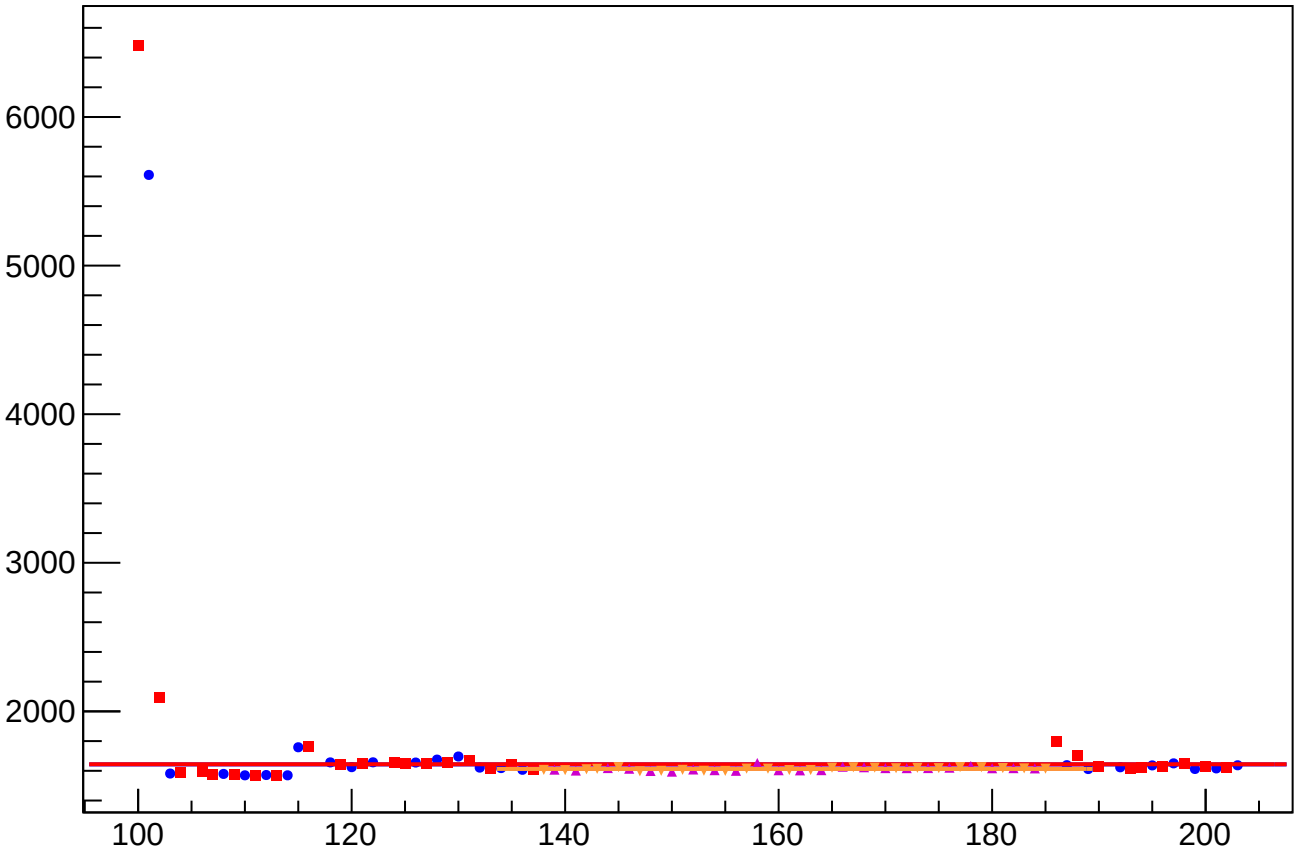
Left: 2345.148+/-262.646 χ^2/NDF: 61.2/47

Right: 2279.723+/-316.228 χ^2/NDF: 34.6/51

In: 2331.155+/-290.832 χ^2/NDF:52.0/46

Out: 2306.578+/-280.899 χ^2/NDF:43.9/52

All: 2318.440+/-202.046 χ^2/NDF: 95.8/99



Right In: 1643.014+/-0.323 χ^2/NDF: 669005.8/23

Left Out: 1612.607+/-0.259 χ^2/NDF:1172.5/24

Right Out: 1644.204+/-0.309 χ^2/NDF: 146451.9/27

Left In: 1613.793+/-0.266 χ^2/NDF:2354.6/22

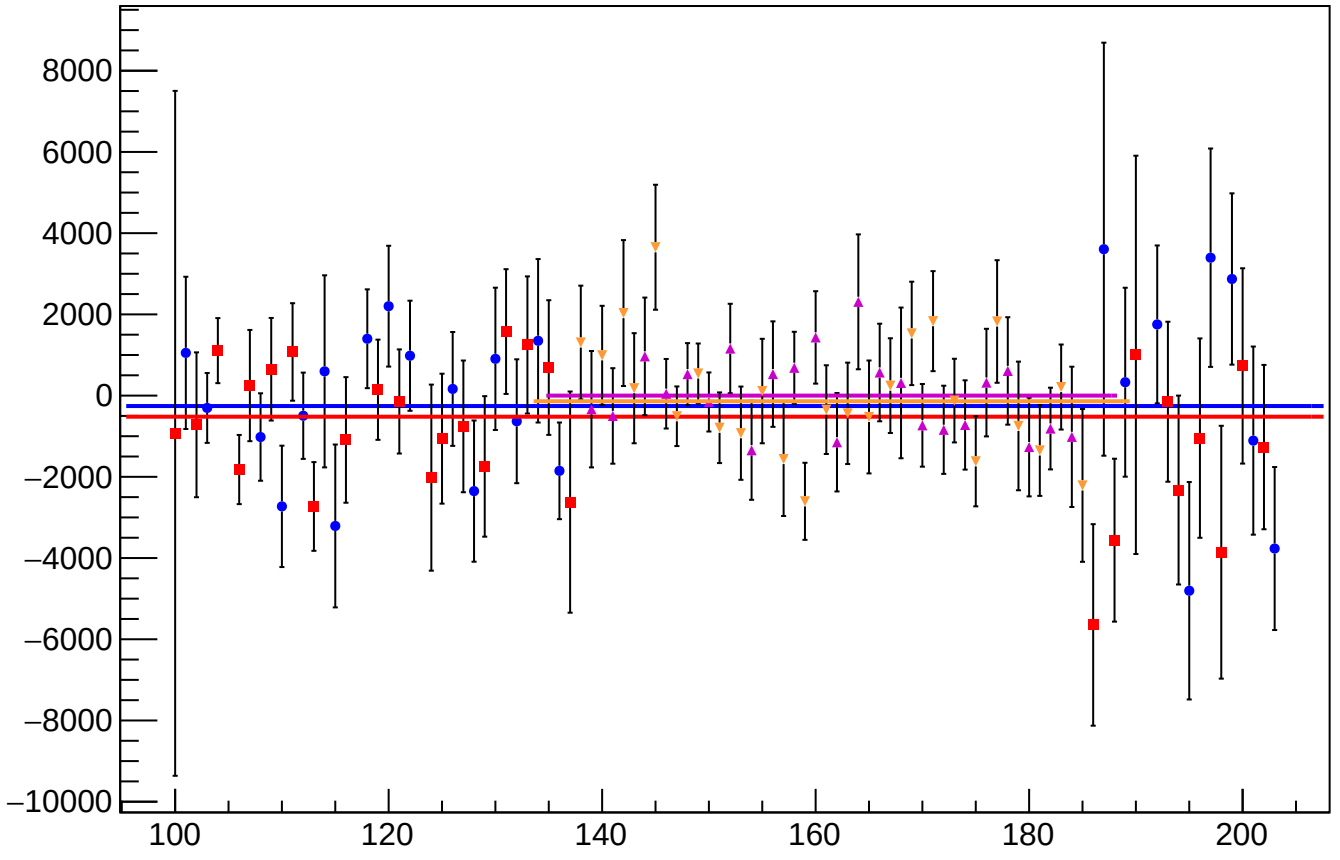
Left: 1613.183+/-0.186 χ^2/NDF: 3537.3/47

Right: 1643.635+/-0.224 χ^2/NDF: 815464.8/51

In: 1625.605+/-0.206 χ^2/NDF:676222.6/46

Out: 1625.623+/-0.199 χ^2/NDF:153754.4/52

All: 1625.615+/-0.143 χ^2/NDF: 829977.1/99



Right In: -257.089+/-317.766 χ^2/NDF: 27.8/23

Left Out: -139.022+/-229.126 χ^2/NDF:30.2/24

Right Out: -519.510+/-291.232 χ^2/NDF: 28.1/27

Left In: -0.092+/-231.903 χ^2/NDF:12.9/22

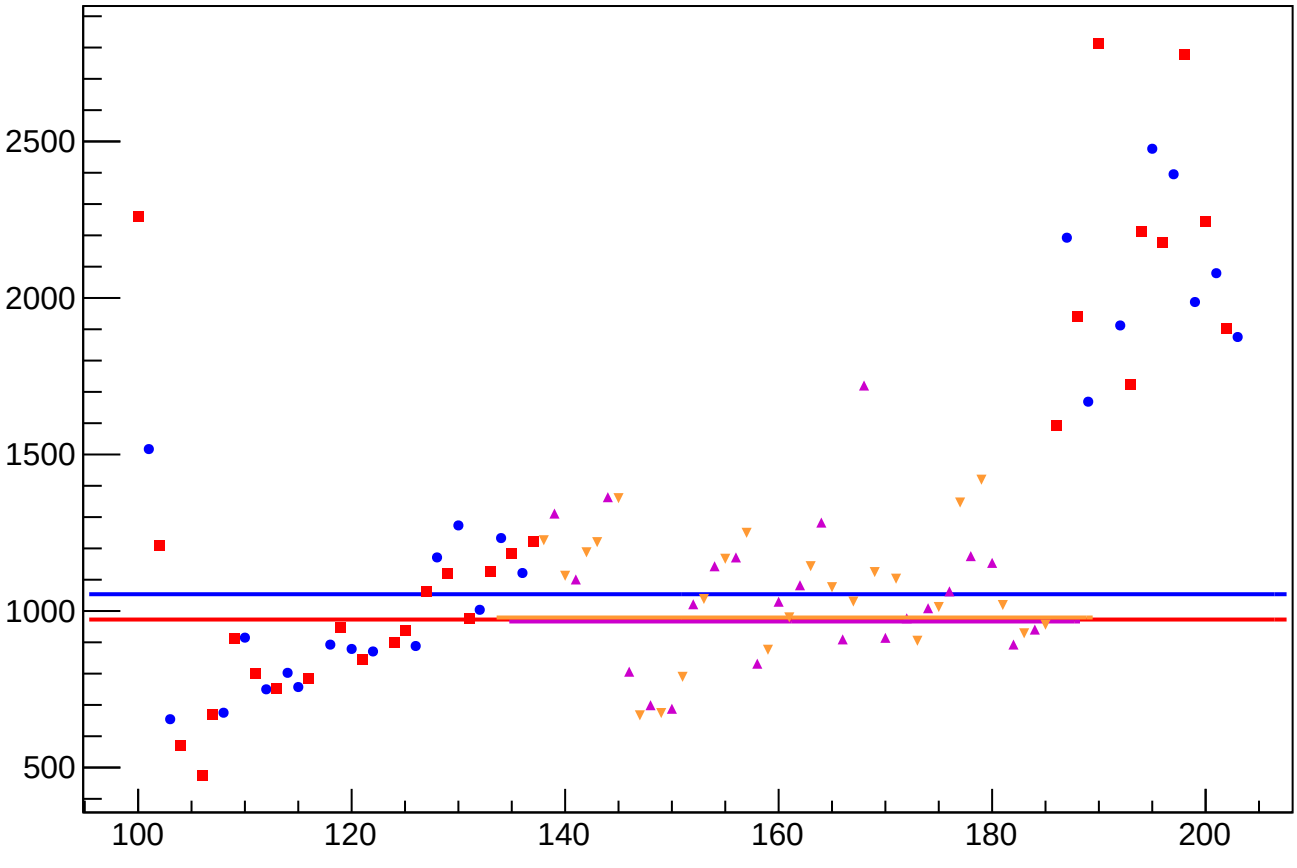
Left: -70.394+/-162.990 χ^2/NDF: 43.2/47

Right: -399.711+/-214.701 χ^2/NDF: 56.2/51

In: -89.402+/-187.324 χ^2/NDF:41.1/46

Out: -284.492+/-180.076 χ^2/NDF:59.3/52

All: -190.794+/-129.819 χ^2/NDF: 100.9/99



Right In: 1053.668+/-0.225 χ^2/NDF: 4050945.5/23

Left Out: 979.294+/-0.162 χ^2/NDF:1630623.2/24

Right Out: 972.794+/-0.206 χ^2/NDF: 5501134.5/27

Left In: 966.526+/-0.164 χ^2/NDF:1602596.2/22

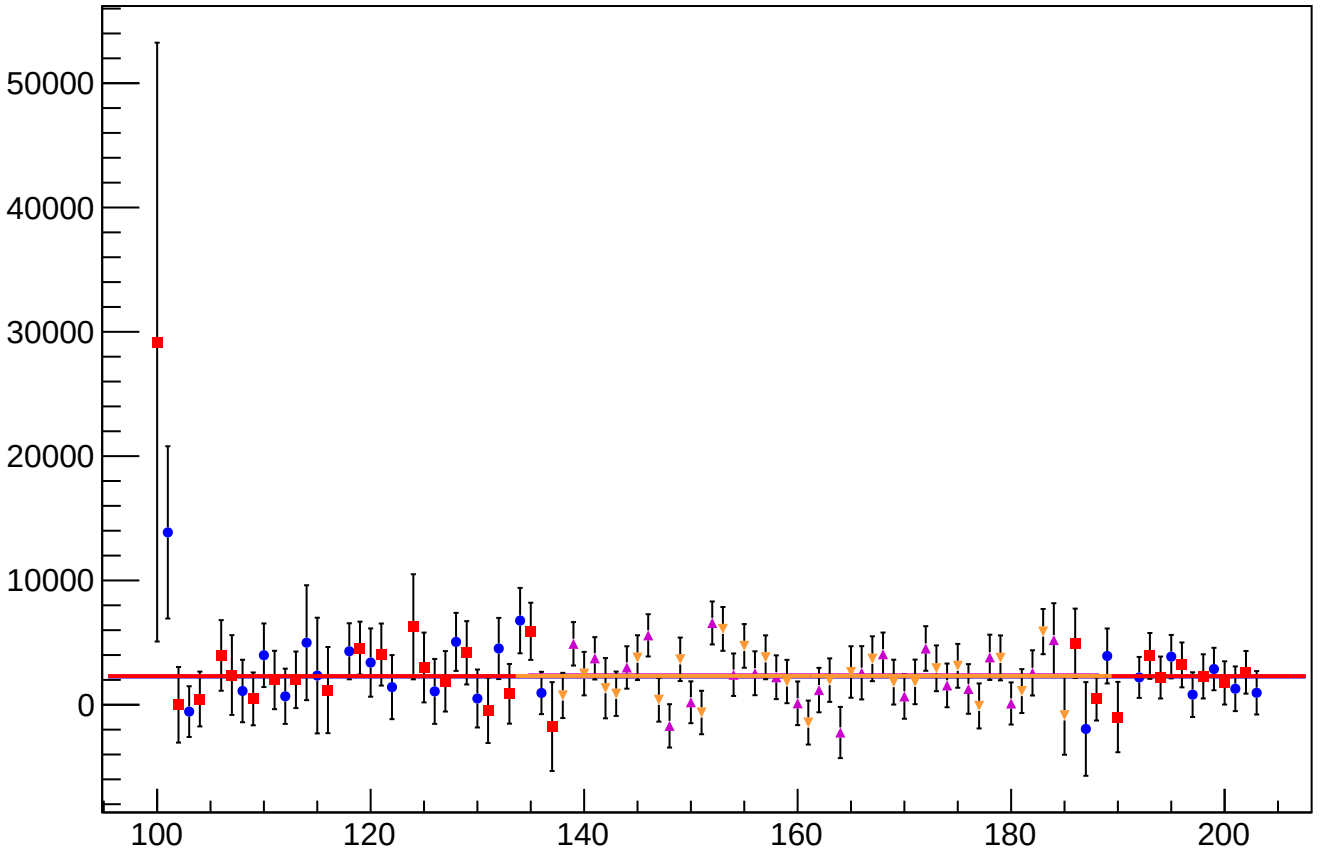
Left: 972.987+/-0.115 χ^2/NDF: 3236287.4/47

Right: 1009.714+/-0.152 χ^2/NDF: 9622487.8/51

In: 996.809+/-0.132 χ^2/NDF:5751680.4/46

Out: 976.809+/-0.127 χ^2/NDF:7132373.2/52

All: 986.415+/-0.092 χ^2/NDF: 12895902.1/99



Right In: 2272.735+/-457.423 χ^2/NDF: 18.2/23

Left Out: 2321.025+/-366.301 χ^2/NDF:27.5/24

Right Out: 2303.373+/-437.845 χ^2/NDF: 16.6/27

Left In: 2370.700+/-376.798 χ^2/NDF:33.7/22

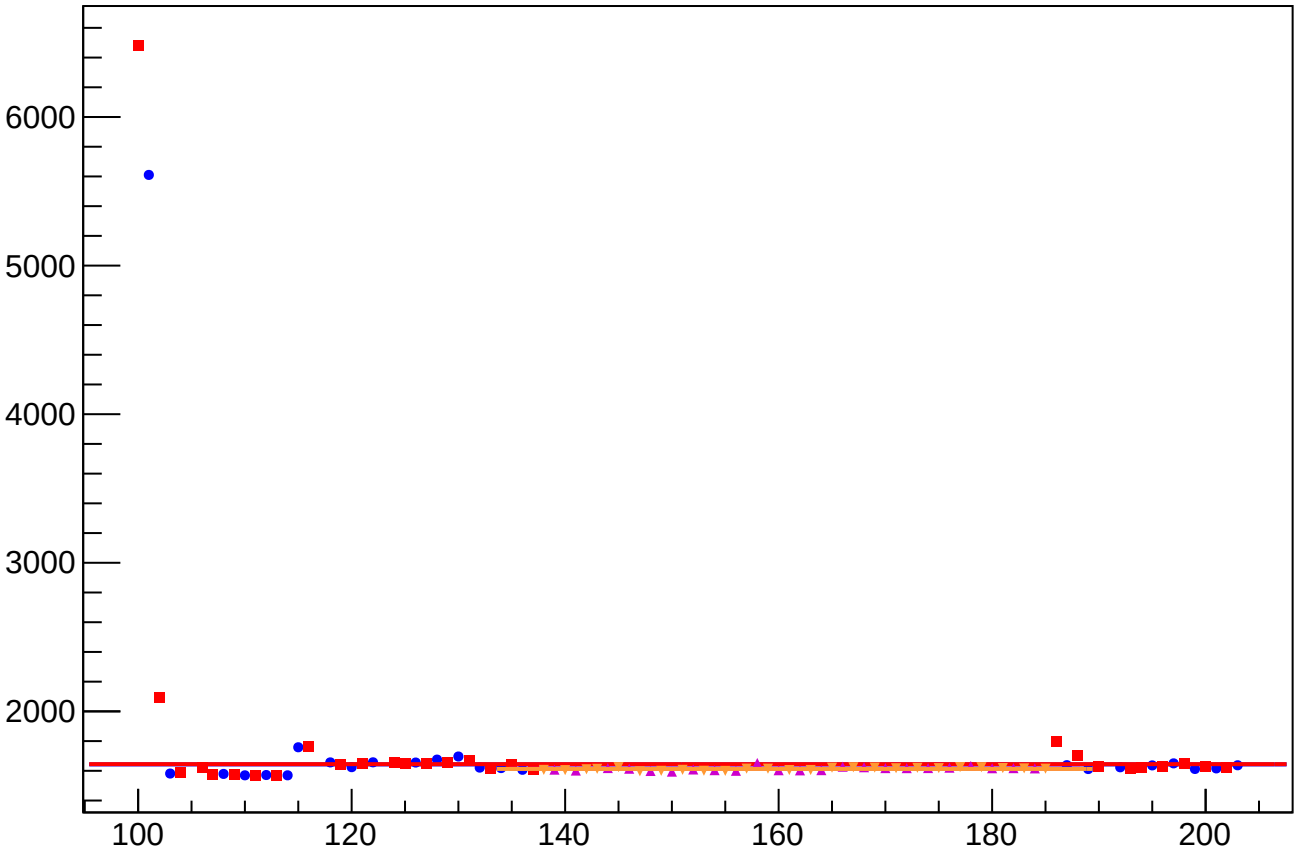
Left: 2345.161+/-262.646 χ^2/NDF: 61.2/47

Right: 2288.724+/-316.298 χ^2/NDF: 34.8/51

In: 2331.098+/-290.832 χ^2/NDF:52.0/46

Out: 2313.757+/-280.948 χ^2/NDF:44.1/52

All: 2322.128+/-202.064 χ^2/NDF: 96.1/99



Right In: 1643.014+/-0.323 χ^2/NDF: 669005.3/23

Left Out: 1612.607+/-0.259 χ^2/NDF:1172.5/24

Right Out: 1644.876+/-0.310 χ^2/NDF: 145930.7/27

Left In: 1613.793+/-0.266 χ^2/NDF:2354.6/22

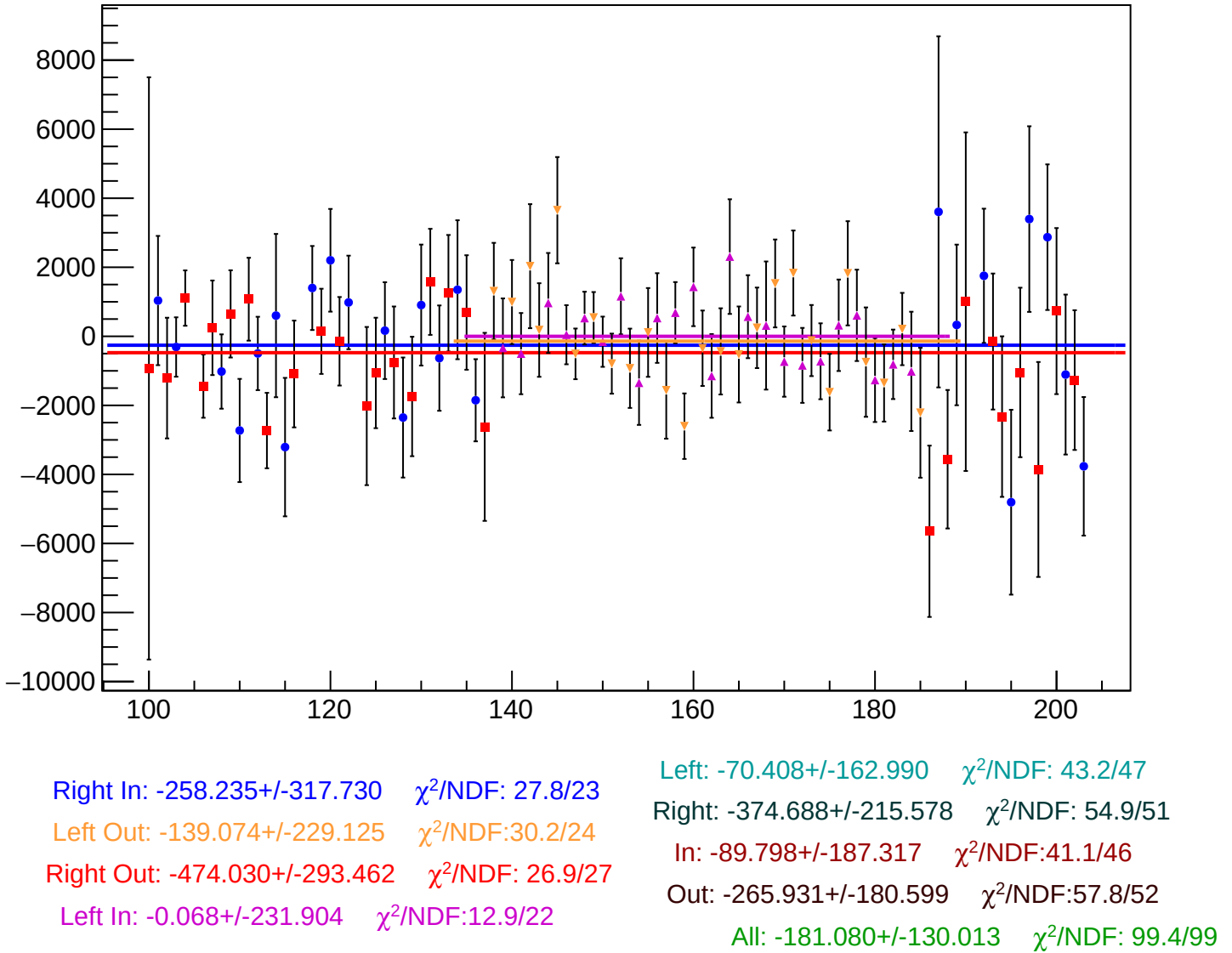
Left: 1613.184+/-0.186 χ^2/NDF: 3537.3/47

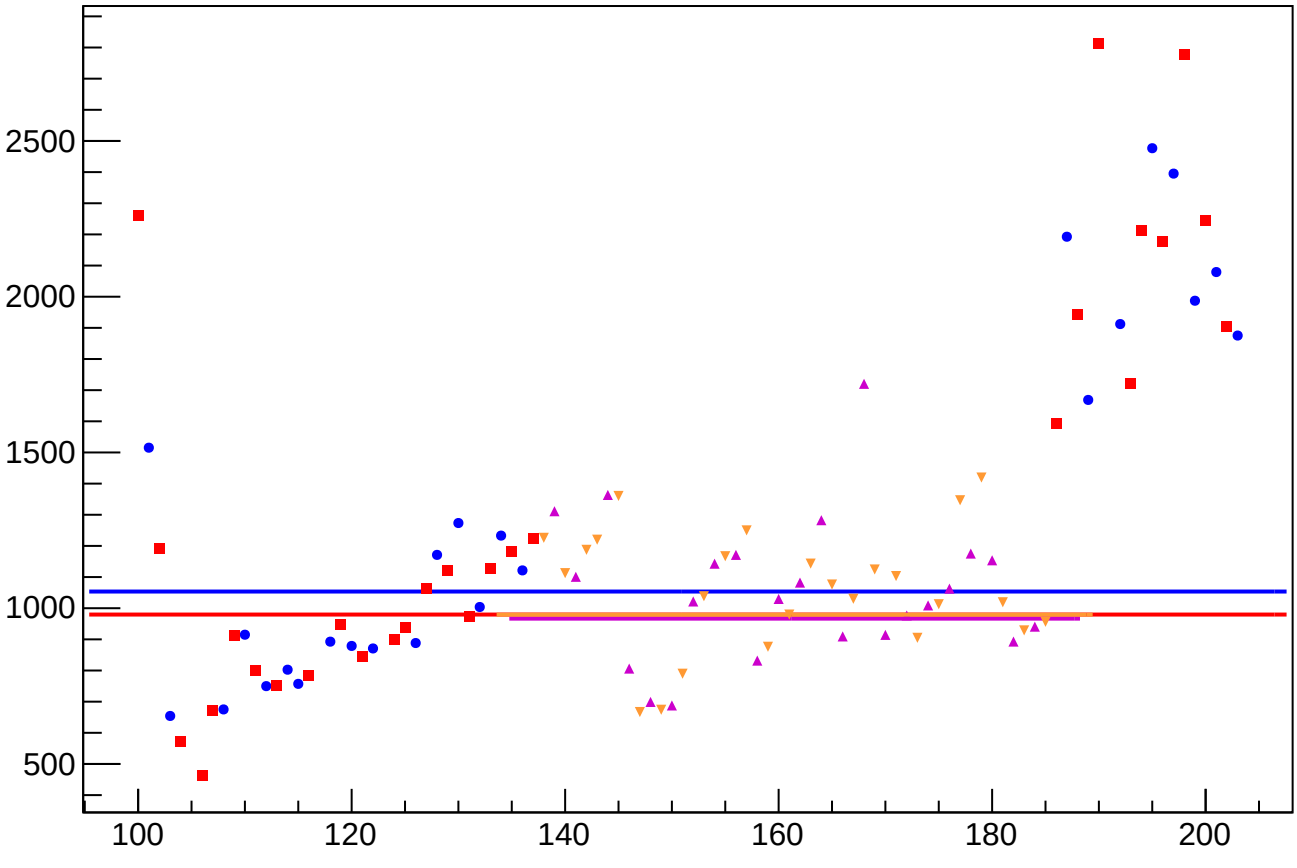
Right: 1643.986+/-0.224 χ^2/NDF: 814953.4/51

In: 1625.605+/-0.206 χ^2/NDF:676222.2/46

Out: 1625.893+/-0.199 χ^2/NDF:153493.8/52

All: 1625.754+/-0.143 χ^2/NDF: 829716.9/99


asym_usr_atr1_avg_cor_correction_mean vs Slug, Sign Corrected
8000
6000
4000
2000
0
−2000
−4000
−6000
−8000
−10000
100
120
140
160
180
200
Right In: -258.235+/-317.730 χ²/NDF: 27.8/23
Left Out: -139.074+/-229.125 χ²/NDF:30.2/24
Right Out: -474.030+/-293.462 χ²/NDF: 26.9/27
Left In: -0.068+/-231.904 χ²/NDF:12.9/22
Left: -70.408+/-162.990 χ²/NDF: 43.2/47
Right: -374.688+/-215.578 χ²/NDF: 54.9/51
In: -89.798+/-187.317 χ²/NDF:41.1/46
Out: -265.931+/-180.599 χ²/NDF:57.8/52
All: -181.080+/-130.013 χ²/NDF: 99.4/99



Right In: 1053.545+/-0.225 χ^2/NDF: 4051393.9/23

Left Out: 979.288+/-0.162 χ^2/NDF:1630731.2/24

Right Out: 979.632+/-0.208 χ^2/NDF: 5427212.9/27

Left In: 966.531+/-0.164 χ^2/NDF:1602562.1/22

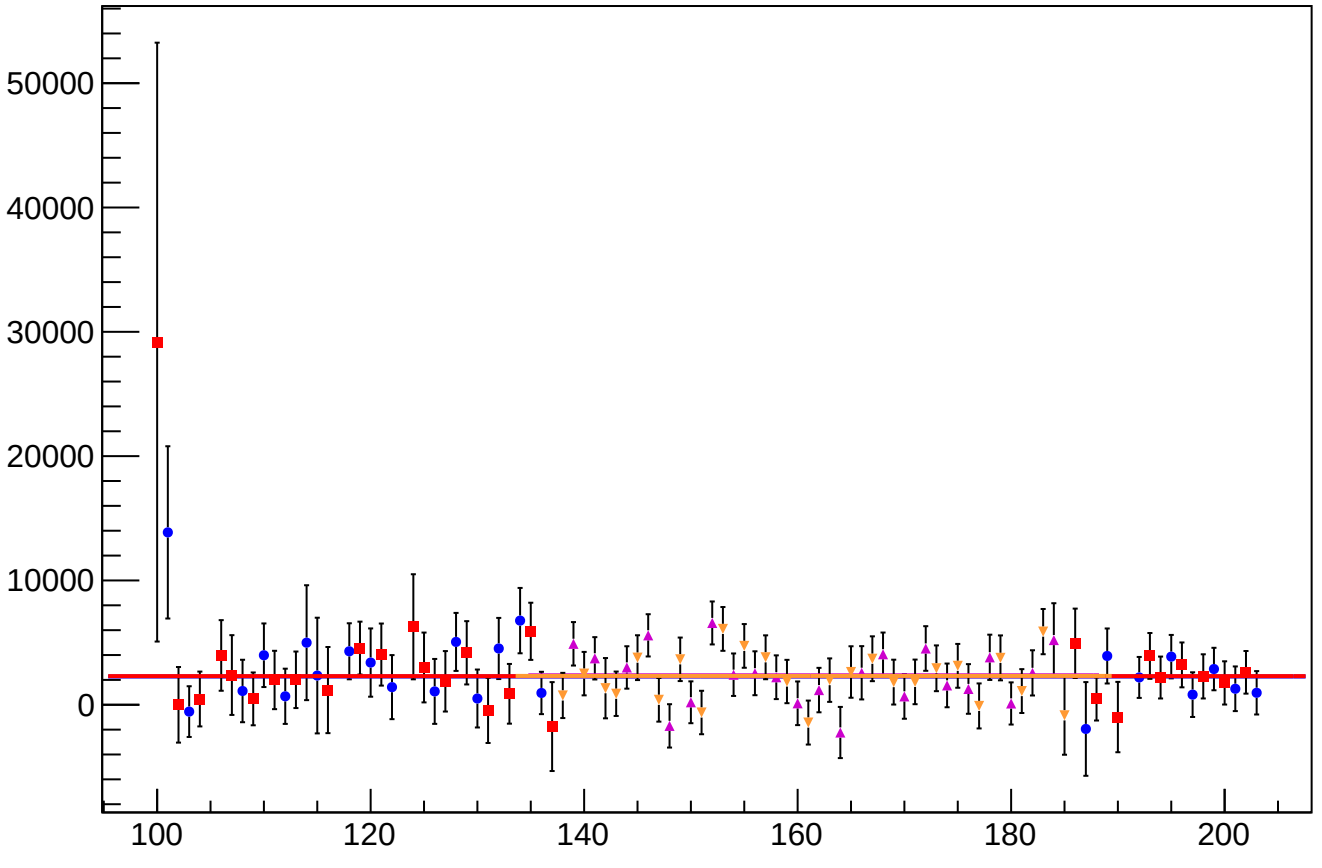
Left: 972.987+/-0.115 χ^2/NDF: 3236355.9/47

Right: 1013.658+/-0.152 χ^2/NDF: 9537014.2/51

In: 996.775+/-0.132 χ^2/NDF:5751821.1/46

Out: 979.418+/-0.128 χ^2/NDF:7057945.8/52

All: 987.780+/-0.092 χ^2/NDF: 12818665.6/99



Right In: 2272.735+/-457.423 χ^2/NDF: 18.2/23

Left Out: 2321.025+/-366.301 χ^2/NDF:27.5/24

Right Out: 2303.373+/-437.845 χ^2/NDF: 16.6/27

Left In: 2370.700+/-376.798 χ^2/NDF:33.7/22

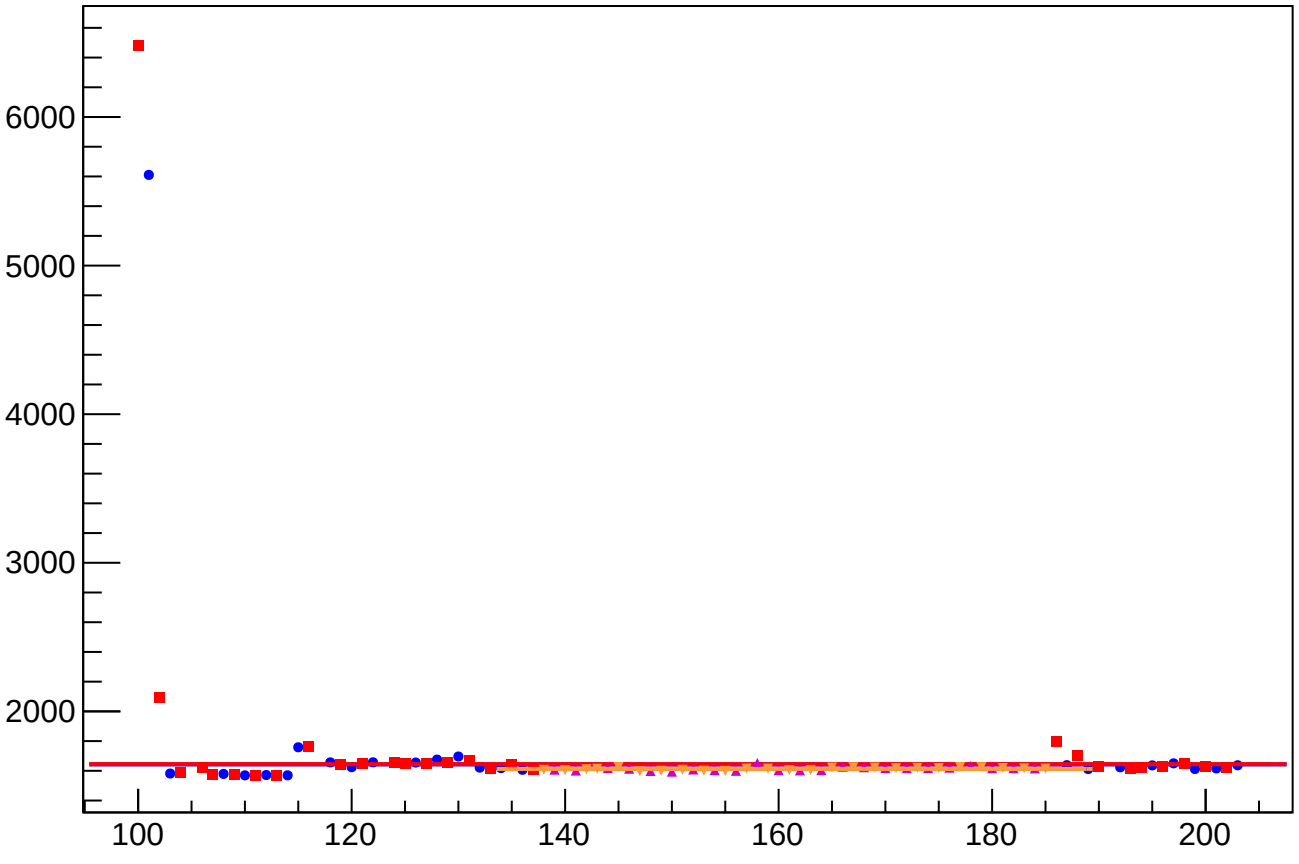
Left: 2345.161+/-262.646 χ^2/NDF: 61.2/47

Right: 2288.724+/-316.298 χ^2/NDF: 34.8/51

In: 2331.098+/-290.832 χ^2/NDF:52.0/46

Out: 2313.757+/-280.948 χ^2/NDF:44.1/52

All: 2322.128+/-202.064 χ^2/NDF: 96.1/99



Right In: 1643.014+/-0.323 χ^2/NDF: 669005.3/23

Left Out: 1612.607+/-0.259 χ^2/NDF:1172.5/24

Right Out: 1644.876+/-0.310 χ^2/NDF: 145930.7/27

Left In: 1613.793+/-0.266 χ^2/NDF:2354.6/22

Left: 1613.184+/-0.186 χ^2/NDF: 3537.3/47

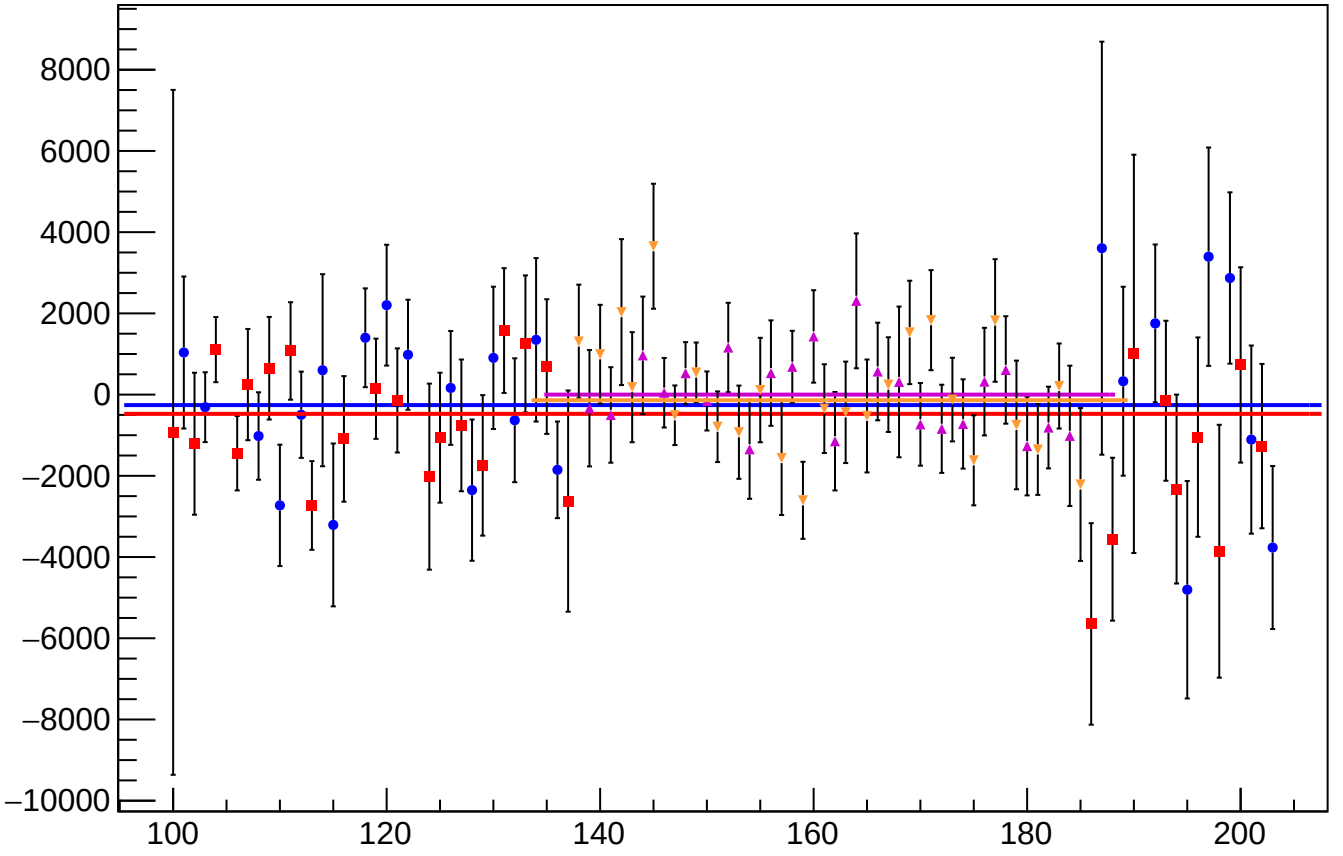
Right: 1643.986+/-0.224 χ^2/NDF: 814953.4/51

In: 1625.605+/-0.206 χ^2/NDF:676222.2/46

Out: 1625.893+/-0.199 χ^2/NDF:153493.8/52

All: 1625.754+/-0.143 χ^2/NDF: 829716.9/99

asym_usr_atr1_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -258.235+/-317.730 χ^2/NDF: 27.8/23

Left Out: -139.074+/-229.125 χ^2/NDF:30.2/24

Right Out: -474.030+/-293.462 χ^2/NDF: 26.9/27

Left In: -0.068+/-231.904 χ^2/NDF:12.9/22

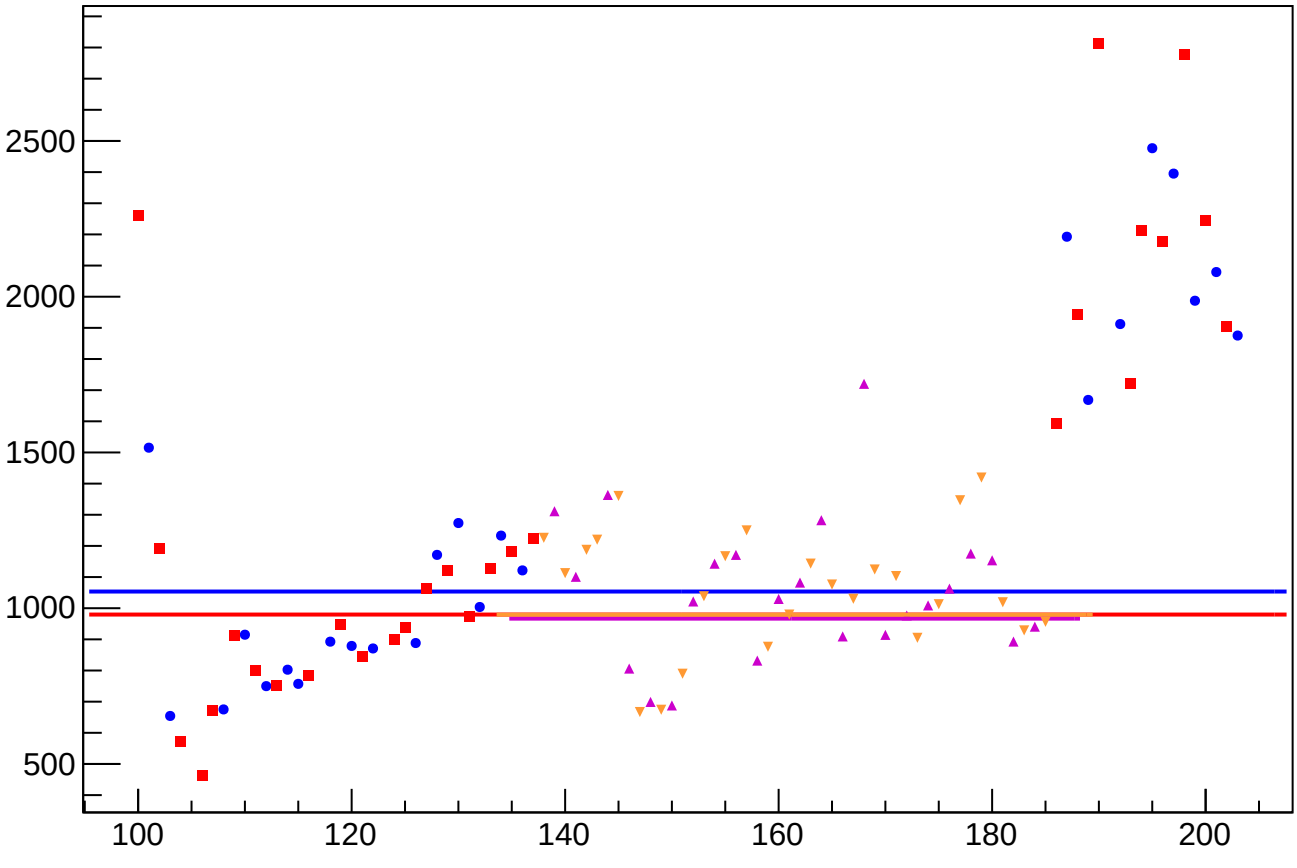
Left: -70.408+/-162.990 χ^2/NDF: 43.2/47

Right: -374.688+/-215.578 χ^2/NDF: 54.9/51

In: -89.798+/-187.317 χ^2/NDF:41.1/46

Out: -265.931+/-180.599 χ^2/NDF:57.8/52

All: -181.080+/-130.013 χ^2/NDF: 99.4/99



Right In: 1053.545+/-0.225 χ^2/NDF: 4051393.9/23

Left Out: 979.288+/-0.162 χ^2/NDF:1630731.2/24

Right Out: 979.632+/-0.208 χ^2/NDF: 5427212.9/27

Left In: 966.531+/-0.164 χ^2/NDF:1602562.1/22

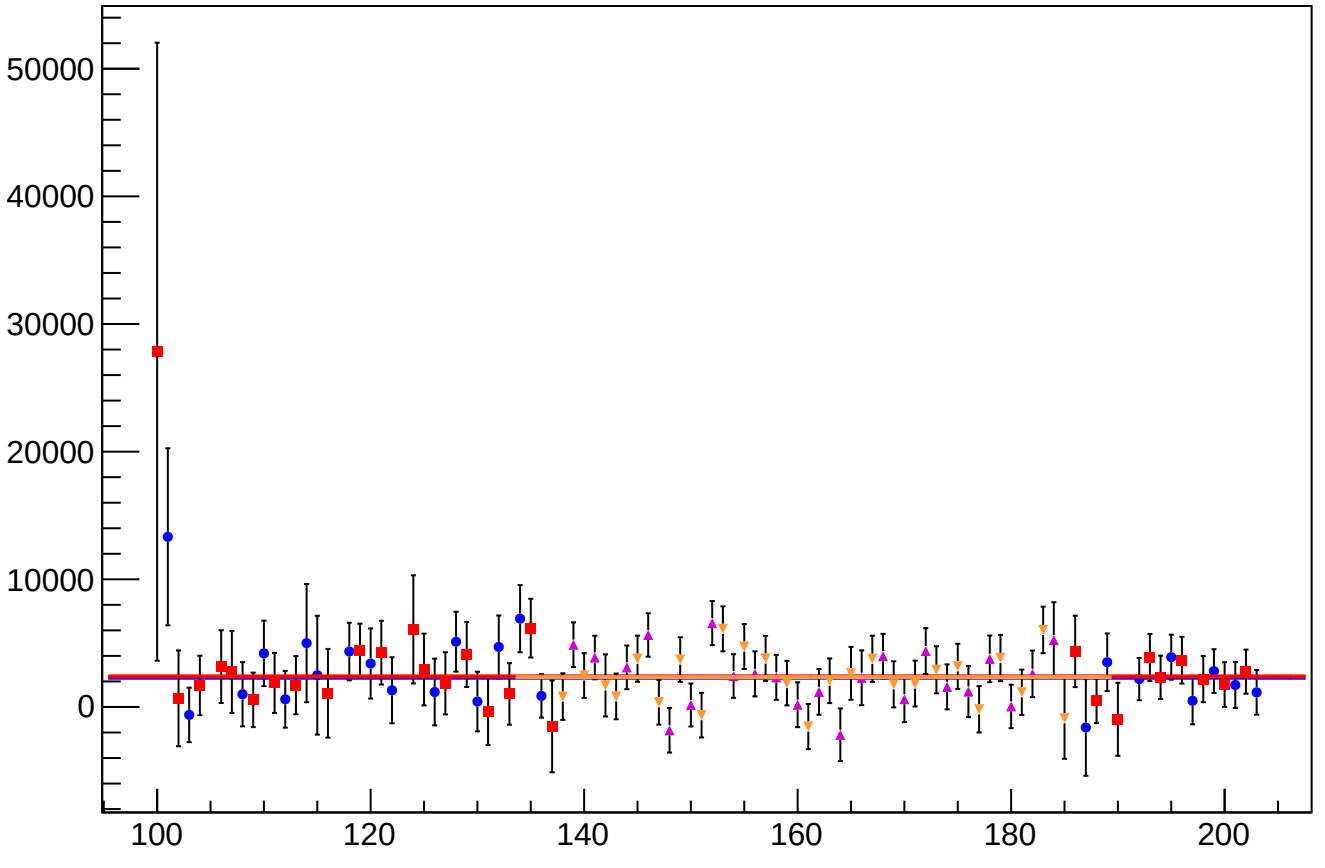
Left: 972.987+/-0.115 χ^2/NDF: 3236355.9/47

Right: 1013.658+/-0.152 χ^2/NDF: 9537014.2/51

In: 996.775+/-0.132 χ^2/NDF:5751821.1/46

Out: 979.418+/-0.128 χ^2/NDF:7057945.8/52

All: 987.780+/-0.092 χ^2/NDF: 12818665.6/99



Right In: 2291.112+/-460.640 χ^2/NDF: 18.1/23

Left Out: 2334.840+/-366.991 χ^2/NDF:28.3/24

Right Out: 2392.200+/-442.264 χ^2/NDF: 15.0/27

Left In: 2360.289+/-377.400 χ^2/NDF:34.0/22

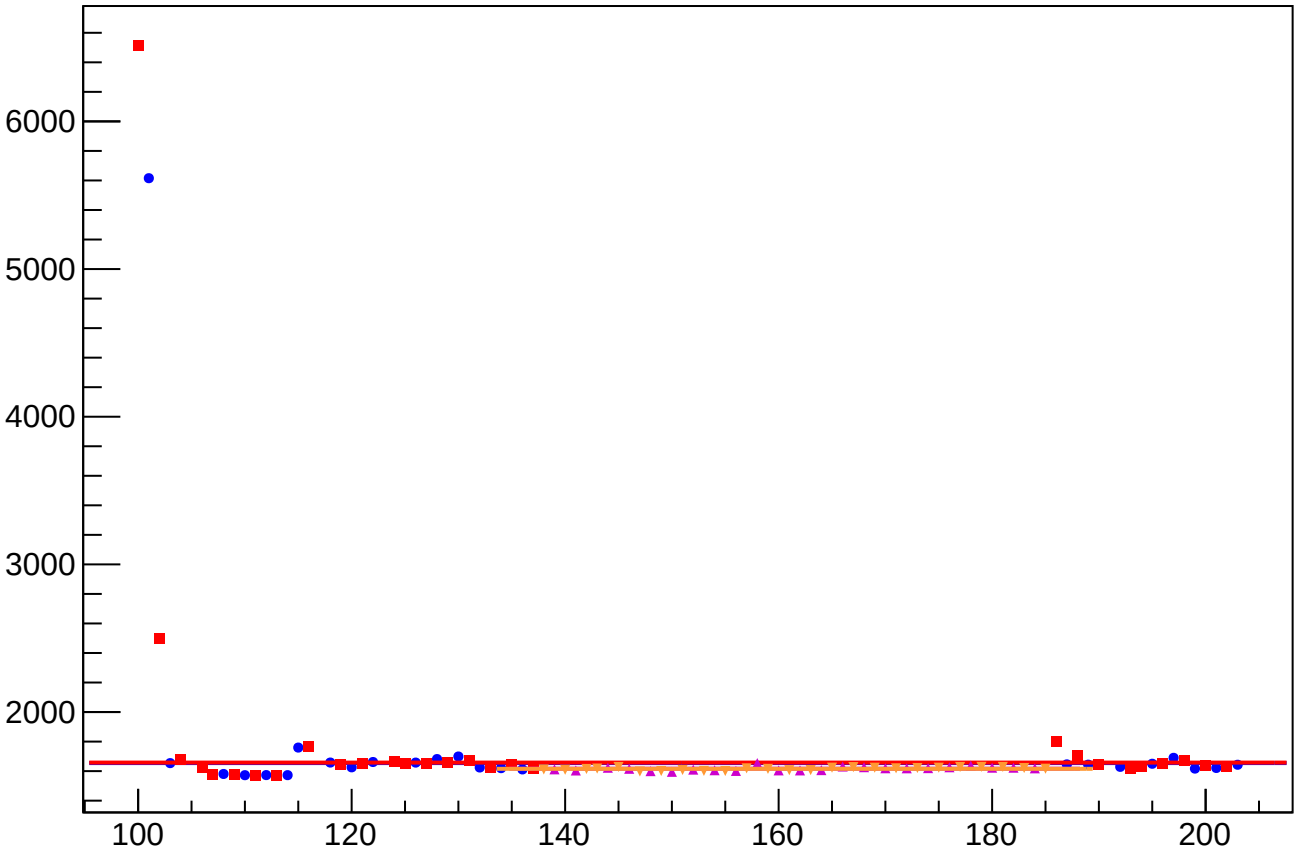
Left: 2347.209+/-263.105 χ^2/NDF: 62.3/47

Right: 2343.712+/-319.026 χ^2/NDF: 33.1/51

In: 2332.505+/-291.932 χ^2/NDF:52.1/46

Out: 2358.230+/-282.420 χ^2/NDF:43.2/52

All: 2345.793+/-202.981 χ^2/NDF: 95.3/99



Right In: 1654.473+/-0.326 χ^2/NDF: 666617.2/23

Left Out: 1615.633+/-0.260 χ^2/NDF:1447.2/24

Right Out: 1657.830+/-0.313 χ^2/NDF: 202460.1/27

Left In: 1616.361+/-0.267 χ^2/NDF:2557.7/22

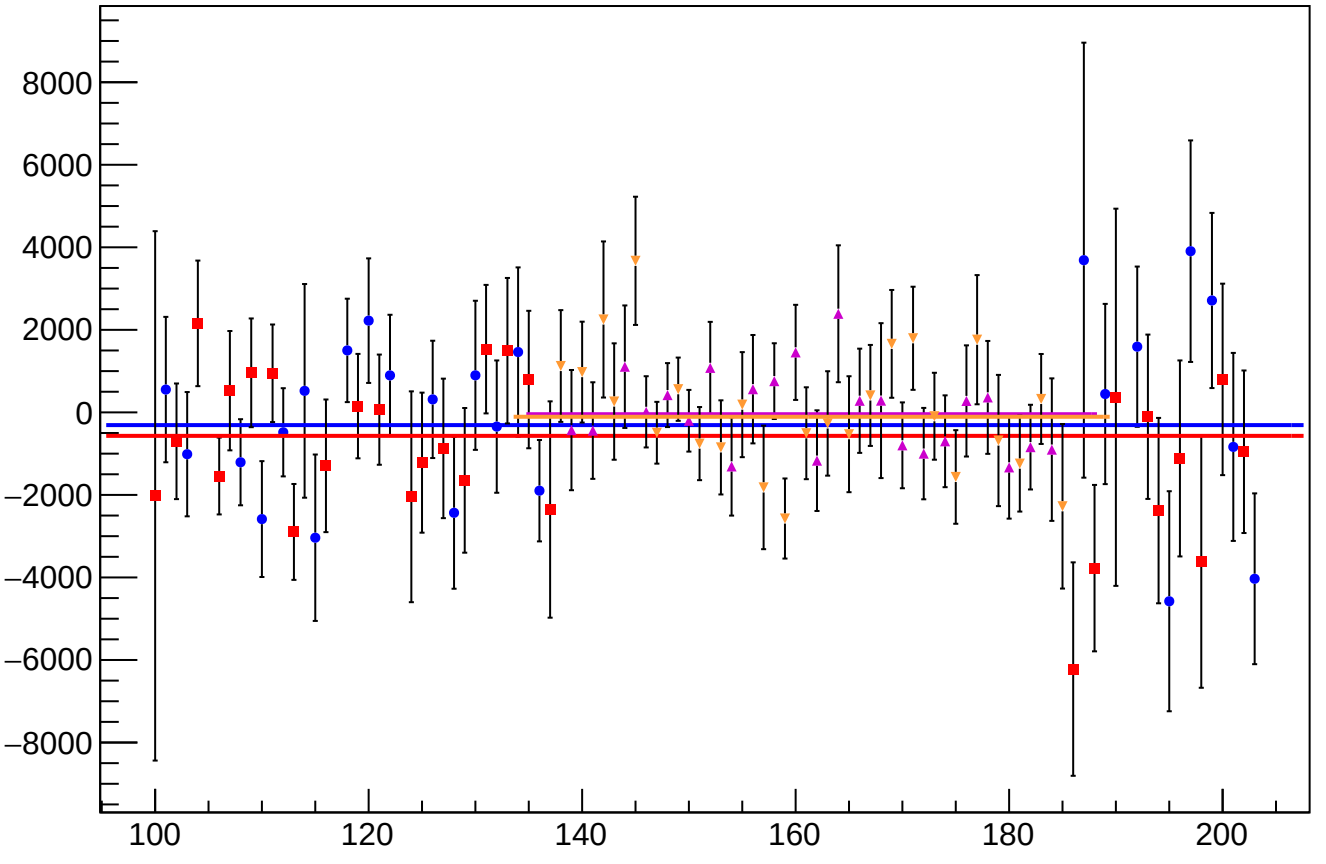
Left: 1615.987+/-0.186 χ^2/NDF: 4008.7/47

Right: 1656.220+/-0.226 χ^2/NDF: 869132.6/51

In: 1631.668+/-0.206 χ^2/NDF:677367.0/46

Out: 1632.840+/-0.200 χ^2/NDF:214689.8/52

All: 1632.274+/-0.144 χ^2/NDF: 892073.5/99



Right In: -308.319+/-336.619 χ^2/NDF: 27.8/23

Left Out: -106.338+/-234.306 χ^2/NDF:29.0/24

Right Out: -569.041+/-312.492 χ^2/NDF: 27.4/27

Left In: -44.469+/-235.733 χ^2/NDF:12.8/22

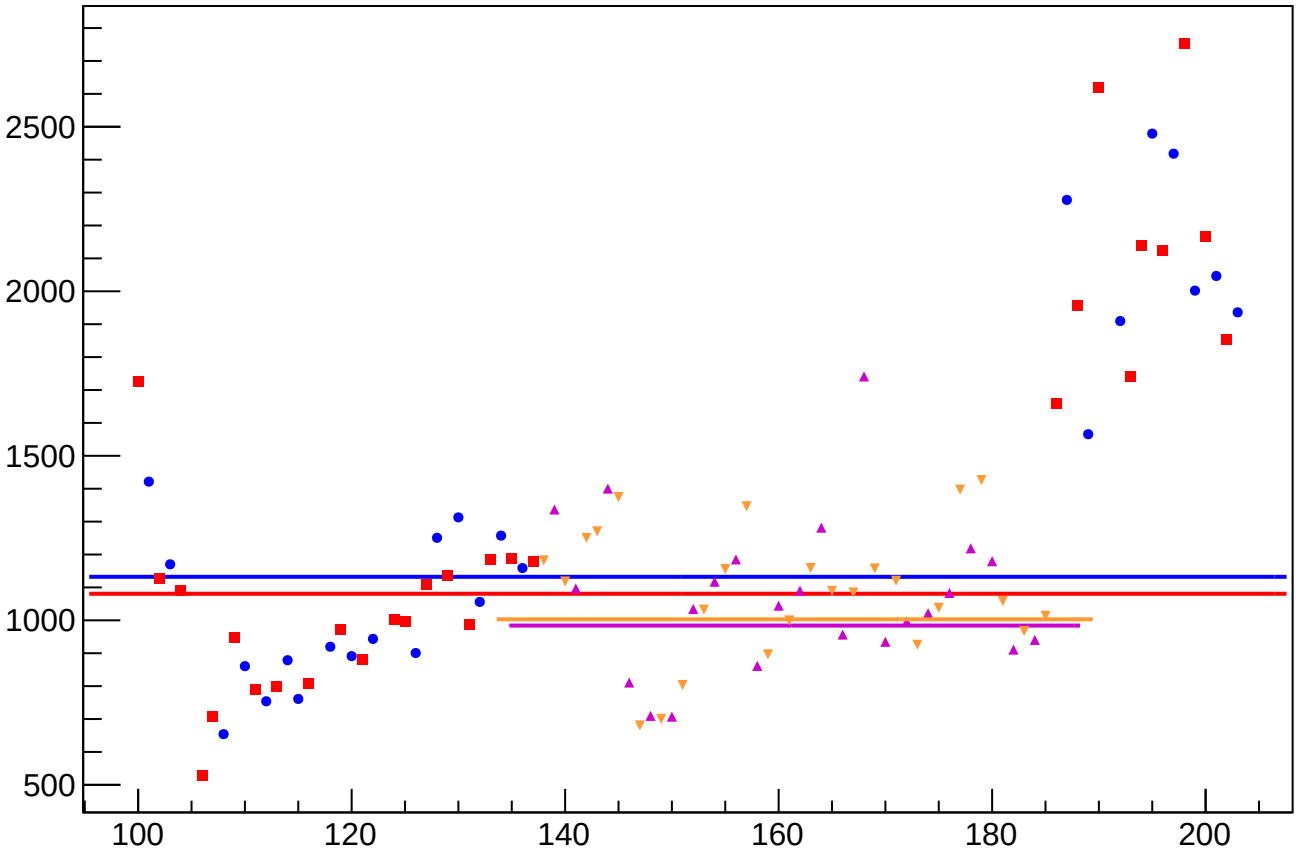
Left: -75.591+/-166.182 χ^2/NDF: 41.8/47

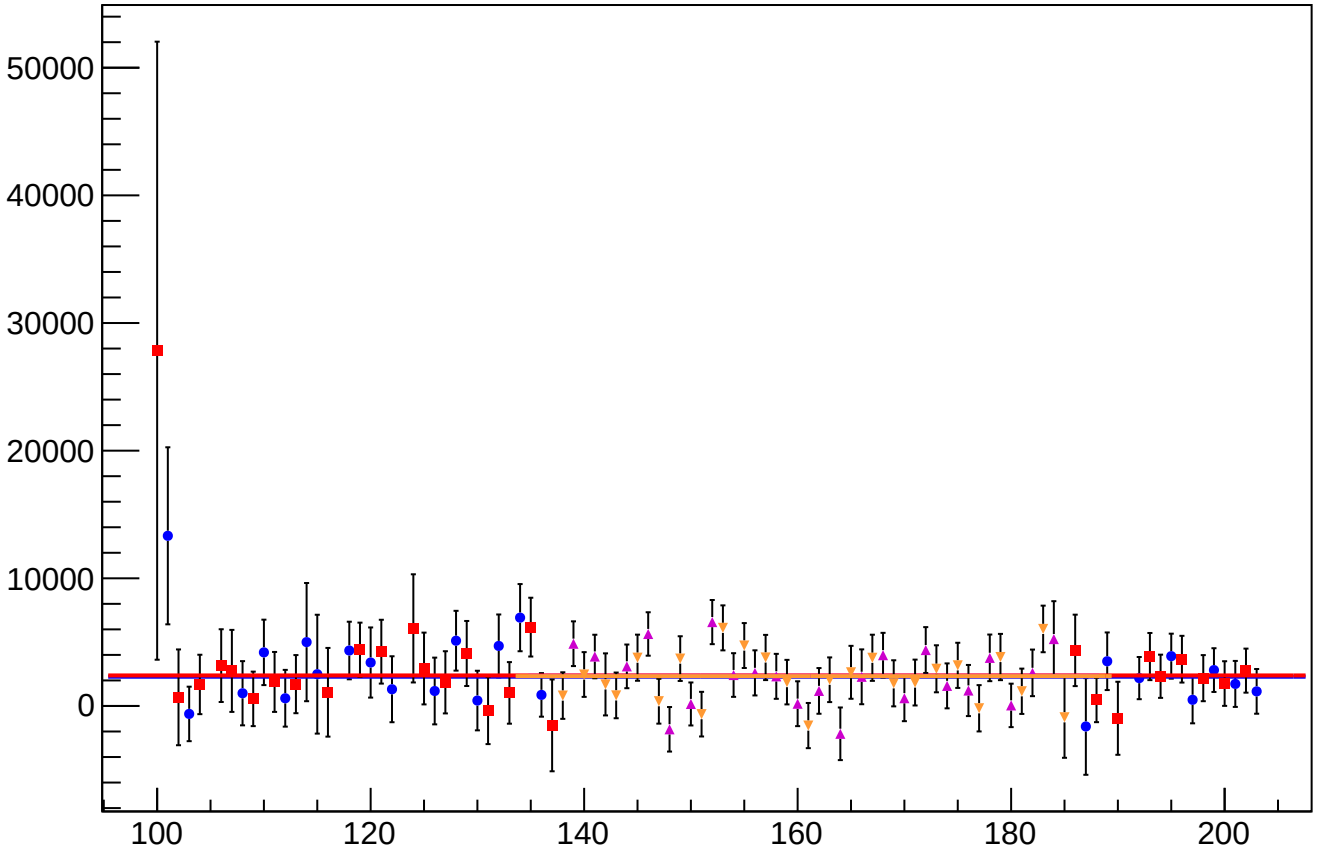
Right: -448.358+/-229.020 χ^2/NDF: 55.5/51

In: -131.287+/-193.093 χ^2/NDF:41.0/46

Out: -272.854+/-187.463 χ^2/NDF:57.8/52

All: -204.165+/-134.503 χ^2/NDF: 99.0/99


asym_usr_atr1_avg_dit_correction_rms vs Slug, Sign Corrected
2500
2000
1500
1000
500
100
120
140
160
180
200
Right In: 1132.274+/-0.238 χ²/NDF: 3547244.8/23
Left Out: 1003.101+/-0.166 χ²/NDF:1598415.6/24
Right Out: 1080.765+/-0.221 χ²/NDF: 4370221.7/27
Left In: 984.053+/-0.167 χ²/NDF:1559561.5/22
Left: 993.635+/-0.118 χ²/NDF: 3164545.6/47
Right: 1104.607+/-0.162 χ²/NDF: 7942618.7/51
In: 1032.825+/-0.137 χ²/NDF:5366977.9/46
Out: 1031.051+/-0.133 χ²/NDF:6047716.0/52
All: 1031.911+/-0.095 χ²/NDF: 11414780.8/9



Right In: 2291.111+/-460.640 χ^2/NDF: 18.1/23

Left Out: 2334.839+/-366.991 χ^2/NDF:28.3/24

Right Out: 2392.197+/-442.264 χ^2/NDF: 15.0/27

Left In: 2360.289+/-377.400 χ^2/NDF:34.0/22

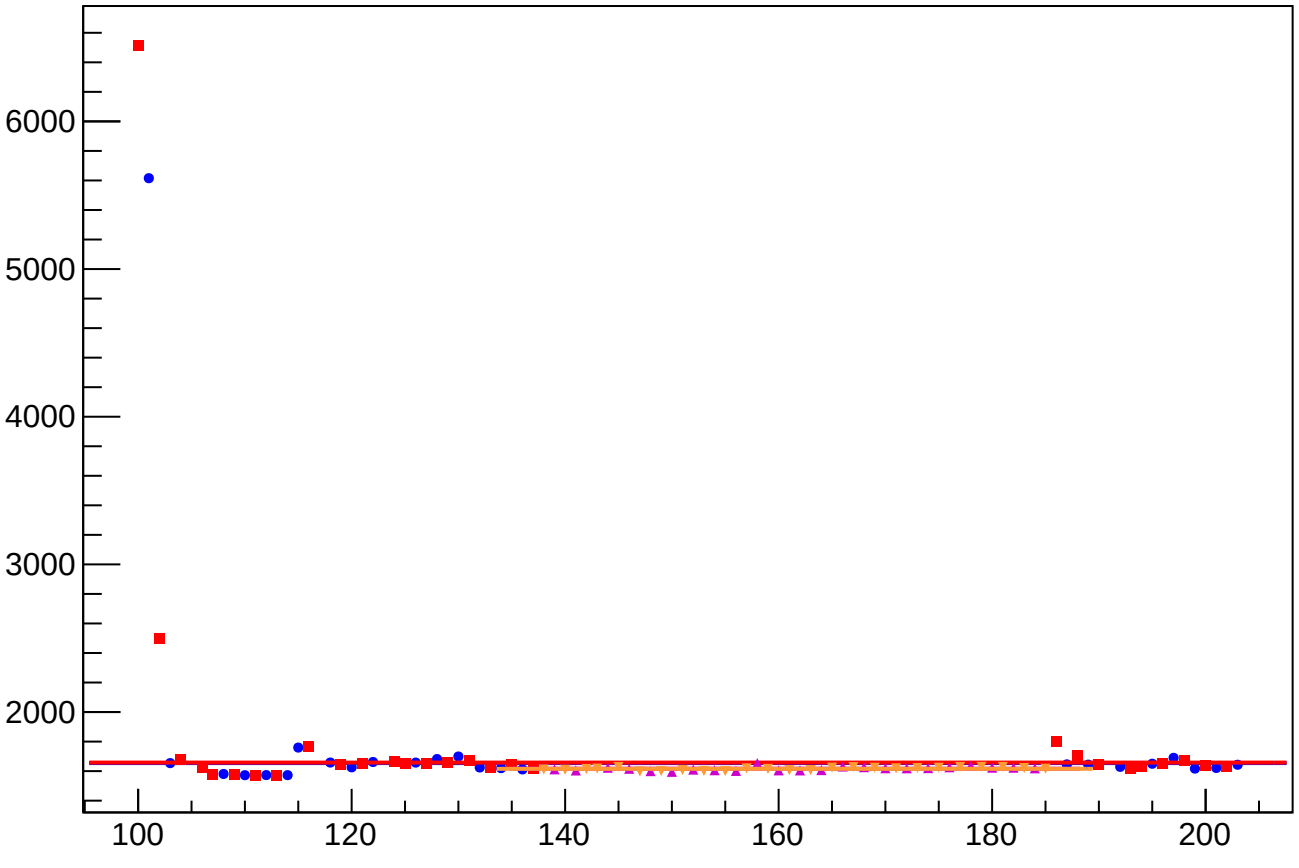
Left: 2347.208+/-263.105 χ^2/NDF: 62.3/47

Right: 2343.711+/-319.026 χ^2/NDF: 33.1/51

In: 2332.504+/-291.932 χ^2/NDF:52.1/46

Out: 2358.229+/-282.420 χ^2/NDF:43.2/52

All: 2345.792+/-202.981 χ^2/NDF: 95.3/99



Right In: 1654.473+/-0.326 χ^2/NDF: 666617.2/23

Left Out: 1615.633+/-0.260 χ^2/NDF:1447.2/24

Right Out: 1657.830+/-0.313 χ^2/NDF: 202460.0/27

Left In: 1616.361+/-0.267 χ^2/NDF:2557.7/22

Left: 1615.987+/-0.186 χ^2/NDF: 4008.7/47

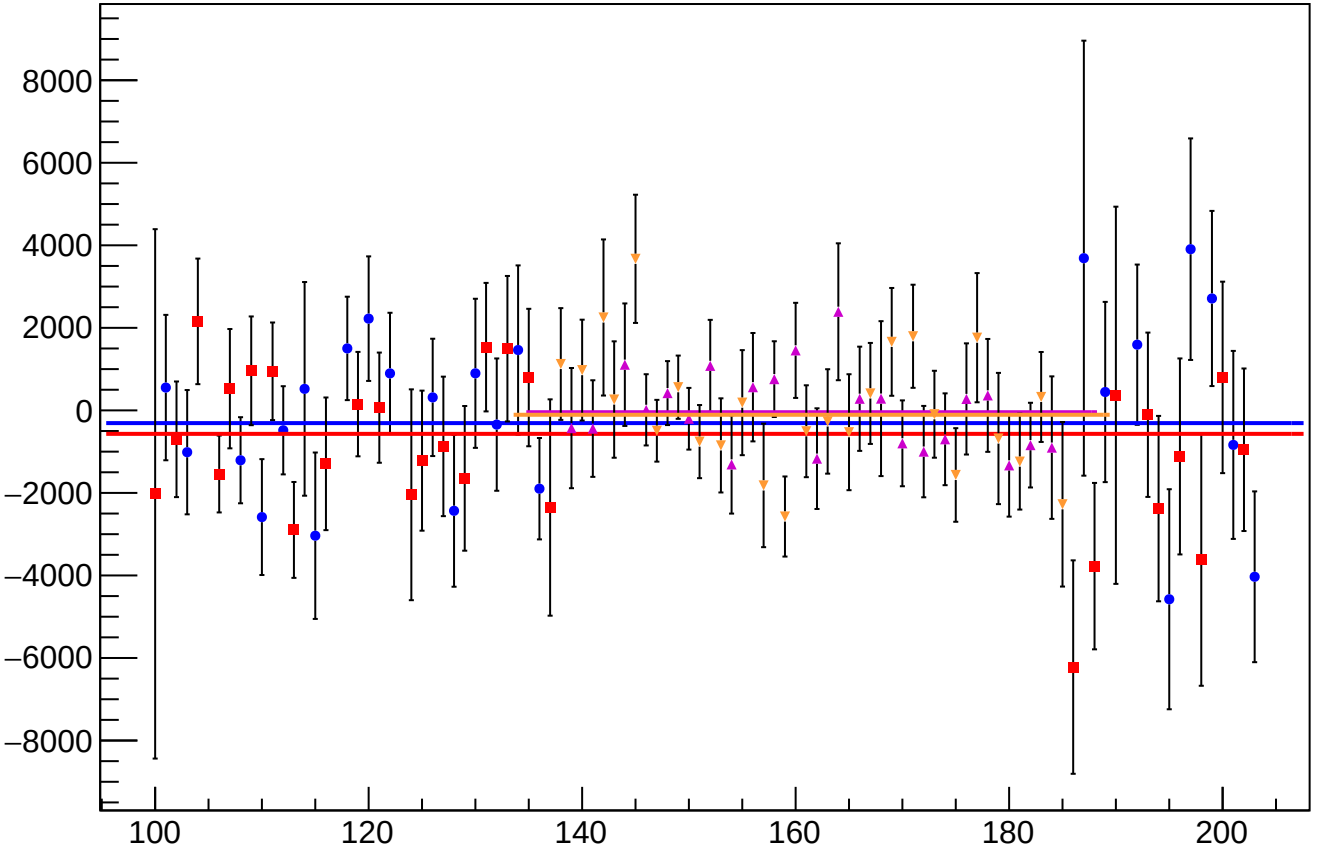
Right: 1656.220+/-0.226 χ^2/NDF: 869132.5/51

In: 1631.668+/-0.206 χ^2/NDF:677367.0/46

Out: 1632.840+/-0.200 χ^2/NDF:214689.6/52

All: 1632.274+/-0.144 χ^2/NDF: 892073.2/99

asym_usr_atr1_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -308.319+/-336.618 χ^2/NDF: 27.8/23

Left Out: -106.340+/-234.307 χ^2/NDF:29.0/24

Right Out: -569.039+/-312.491 χ^2/NDF: 27.4/27

Left In: -44.468+/-235.733 χ^2/NDF:12.8/22

Left: -75.592+/-166.182 χ^2/NDF: 41.8/47

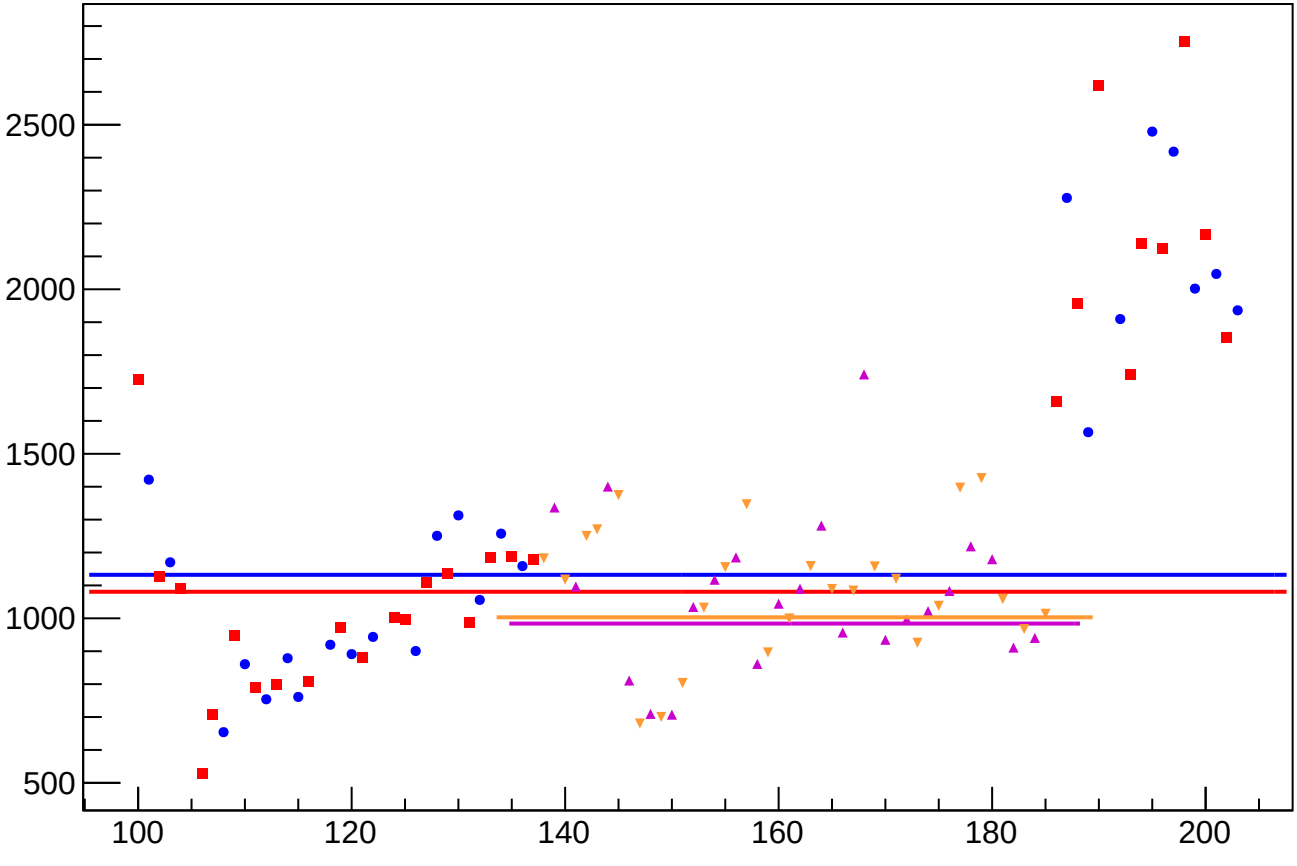
Right: -448.356+/-229.020 χ^2/NDF: 55.5/51

In: -131.288+/-193.093 χ^2/NDF:41.0/46

Out: -272.855+/-187.463 χ^2/NDF:57.8/52

All: -204.165+/-134.503 χ^2/NDF: 99.0/99

asym_usr_atr1_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 1132.269+/-0.238 χ^2/NDF: 3547285.1/23

Left Out: 1003.103+/-0.166 χ^2/NDF:1598417.7/24

Right Out: 1080.762+/-0.221 χ^2/NDF: 4370247.3/27

Left In: 984.055+/-0.167 χ^2/NDF:1559563.7/22

Left: 993.637+/-0.118 χ^2/NDF: 3164549.9/47

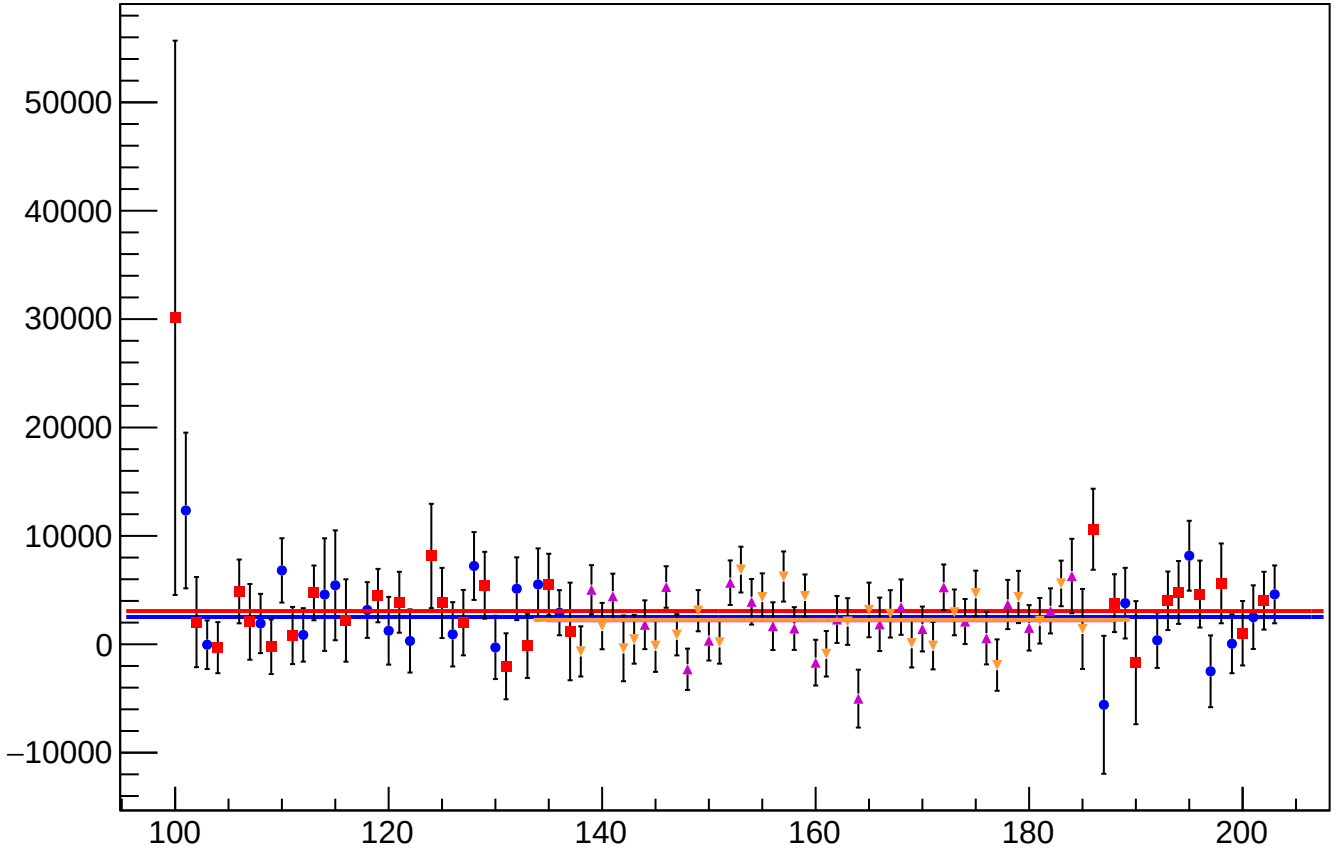
Right: 1104.604+/-0.162 χ^2/NDF: 7942683.4/51

In: 1032.825+/-0.137 χ^2/NDF:5366998.9/46

Out: 1031.051+/-0.133 χ^2/NDF:6047733.5/52

All: 1031.912+/-0.095 χ^2/NDF: 11414819.3/9

asym_usr_atr1_avg_mean vs Slug, Sign Corrected



Right In: 2515.149+/-608.393 χ^2/NDF: 21.5/23

Left Out: 2252.380+/-442.213 χ^2/NDF:28.3/24

Right Out: 3066.227+/-583.696 χ^2/NDF: 20.5/27

Left In: 2219.401+/-452.286 χ^2/NDF:31.5/22

Left: 2236.262+/-316.193 χ^2/NDF: 59.8/47

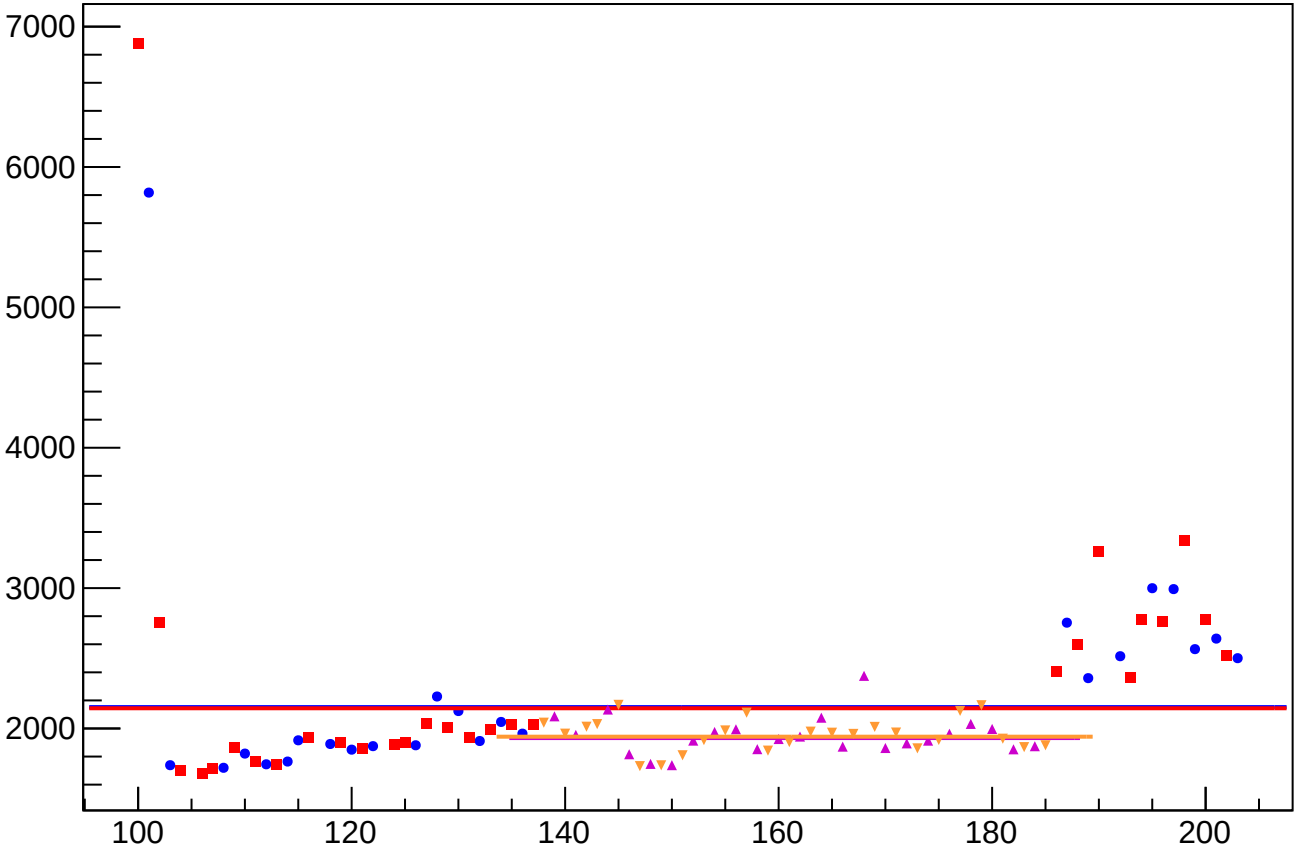
Right: 2802.100+/-421.196 χ^2/NDF: 42.4/51

In: 2324.670+/-362.974 χ^2/NDF:53.2/46

Out: 2549.161+/-352.479 χ^2/NDF:50.0/52

All: 2440.208+/-252.869 χ^2/NDF: 103.4/99

asym_usr_atr1_avg_rms vs Slug, Sign Corrected



Right In: 2152.401+/-0.430 χ^2/NDF: 1310668.7/23

Left Out: 1941.583+/-0.313 χ^2/NDF:139011.4/24

Right Out: 2144.042+/-0.413 χ^2/NDF: 1146460.6/27

Left In: 1931.812+/-0.320 χ^2/NDF:159877.0/22

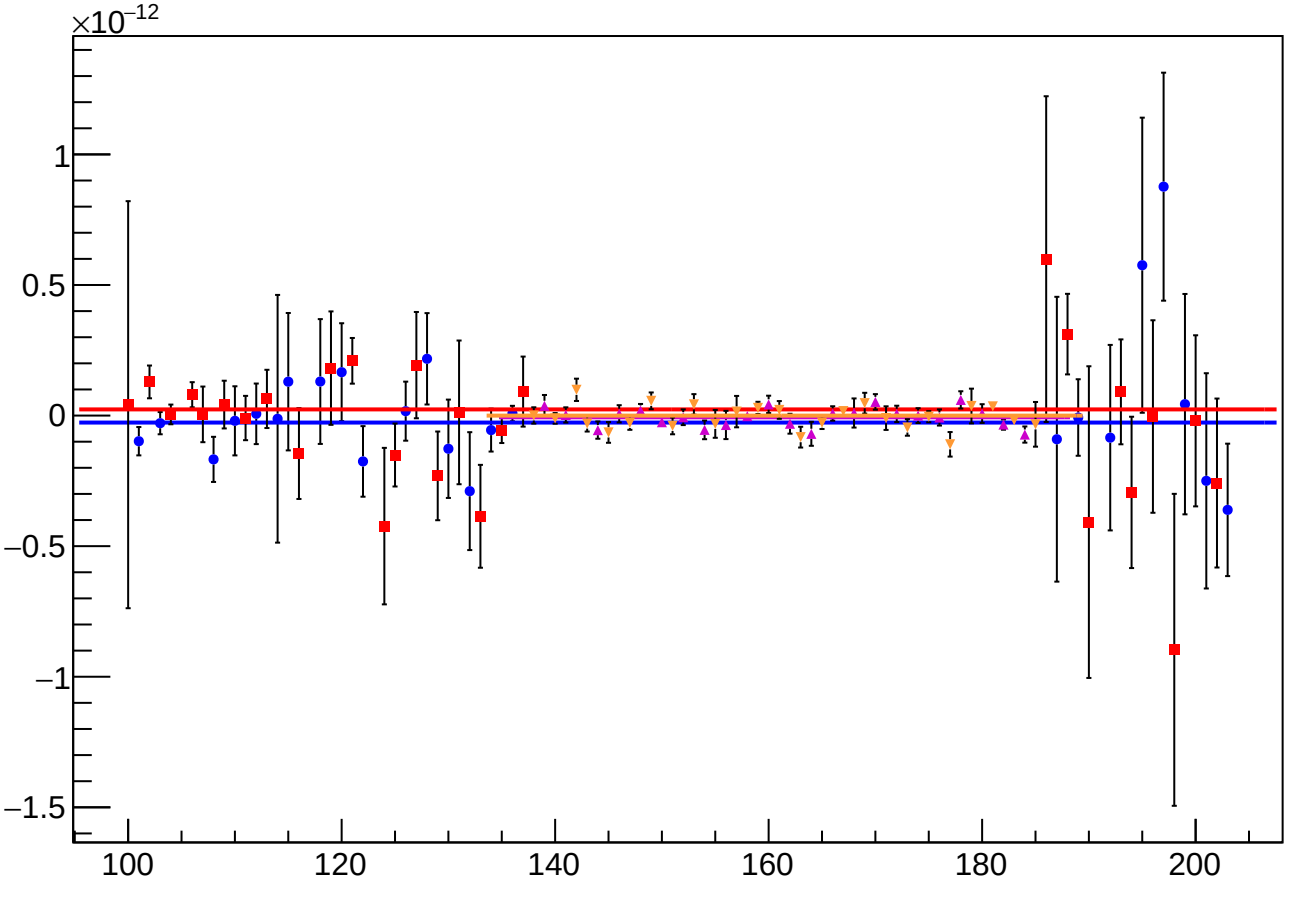
Left: 1936.808+/-0.224 χ^2/NDF: 299365.5/47

Right: 2148.048+/-0.298 χ^2/NDF: 2457326.0/51

In: 2010.330+/-0.257 χ^2/NDF:1639883.0/46

Out: 2015.413+/-0.249 χ^2/NDF:1438346.4/52

All: 2012.946+/-0.179 χ^2/NDF: 3078431.3/99



Right In: -0.000+/-0.000 χ^2/NDF: 20.3/23

Left Out: -0.000+/-0.000 χ^2/NDF:40.3/24

Right Out: 0.000+/-0.000 χ^2/NDF: 34.8/27

Left In: -0.000+/-0.000 χ^2/NDF:27.5/22

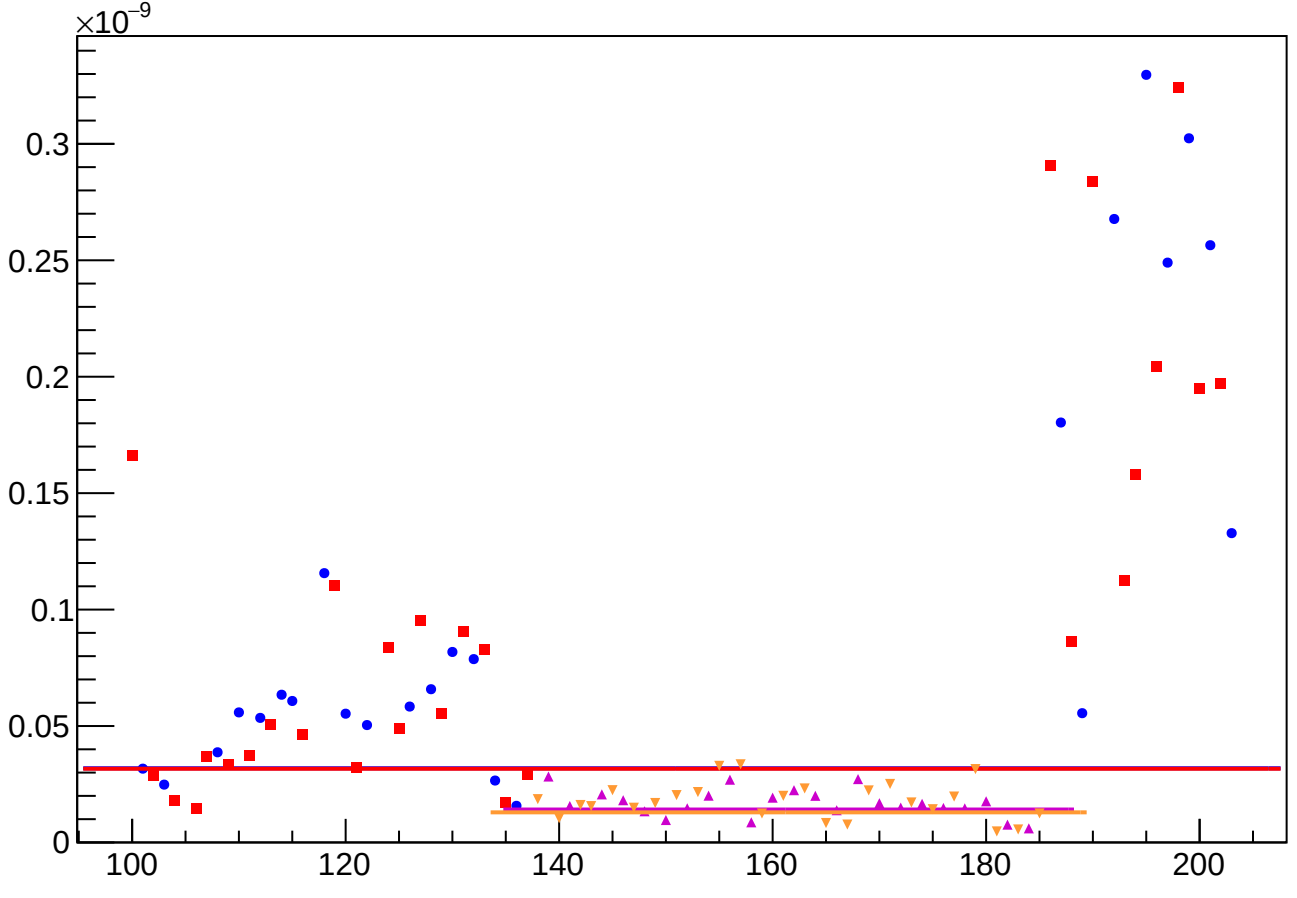
Left: -0.000+/-0.000 χ^2/NDF: 68.4/47

Right: -0.000+/-0.000 χ^2/NDF: 58.6/51

In: -0.000+/-0.000 χ^2/NDF:48.8/46

Out: 0.000+/-0.000 χ^2/NDF:76.5/52

All: -0.000+/-0.000 χ^2/NDF: 127.0/99



Right In: 0.000+/-0.000 χ^2/NDF: 5430437.3/23

Left Out: 0.000+/-0.000 χ^2/NDF:2826186.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 5268430.0/27

Left In: 0.000+/-0.000 χ^2/NDF:1522273.8/22

Left: 0.000+/-0.000 χ^2/NDF: 4390810.8/47

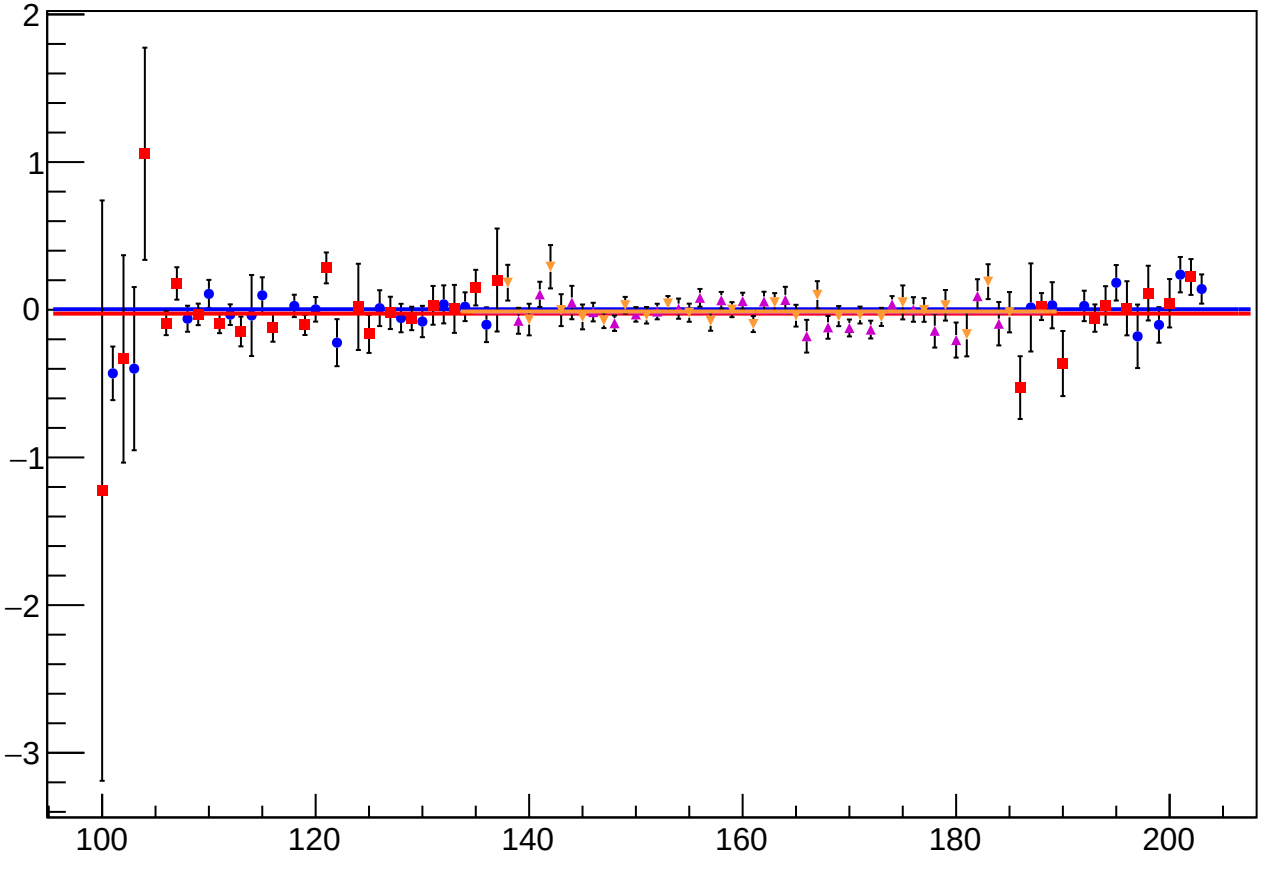
Right: 0.000+/-0.000 χ^2/NDF: 10698979.5/51

In: 0.000+/-0.000 χ^2/NDF:8552438.4/46

Out: 0.000+/-0.000 χ^2/NDF:9883150.7/52

All: 0.000+/-0.000 χ^2/NDF: 18493726.1/99

asym_usr_atr1_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.003+/-0.023 χ^2/NDF: 22.4/23

Left Out: -0.012+/-0.014 χ^2/NDF:21.8/24

Right Out: -0.026+/-0.022 χ^2/NDF: 37.9/27

Left In: -0.017+/-0.014 χ^2/NDF:30.6/22

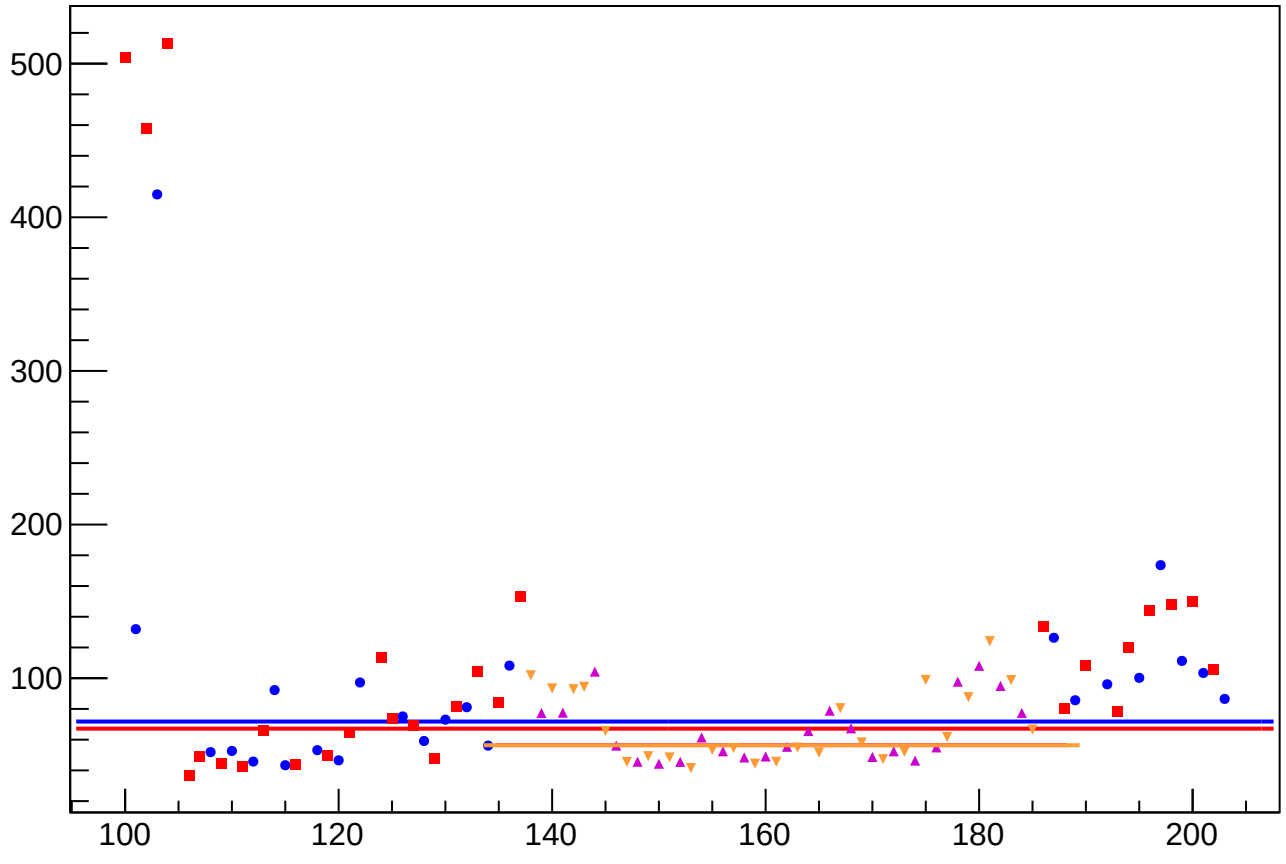
Left: -0.014+/-0.010 χ^2/NDF: 52.5/47

Right: -0.012+/-0.016 χ^2/NDF: 61.2/51

In: -0.011+/-0.012 χ^2/NDF:53.6/46

Out: -0.016+/-0.012 χ^2/NDF:60.0/52

All: -0.014+/-0.009 χ^2/NDF: 113.7/99



Right In: 71.795+/-0.016 χ^2/NDF: 3369042.7/23

Left Out: 56.374+/-0.010 χ^2/NDF:2797305.0/24

Right Out: 67.164+/-0.015 χ^2/NDF: 5119968.7/27

Left In: 56.467+/-0.010 χ^2/NDF:2140078.8/22

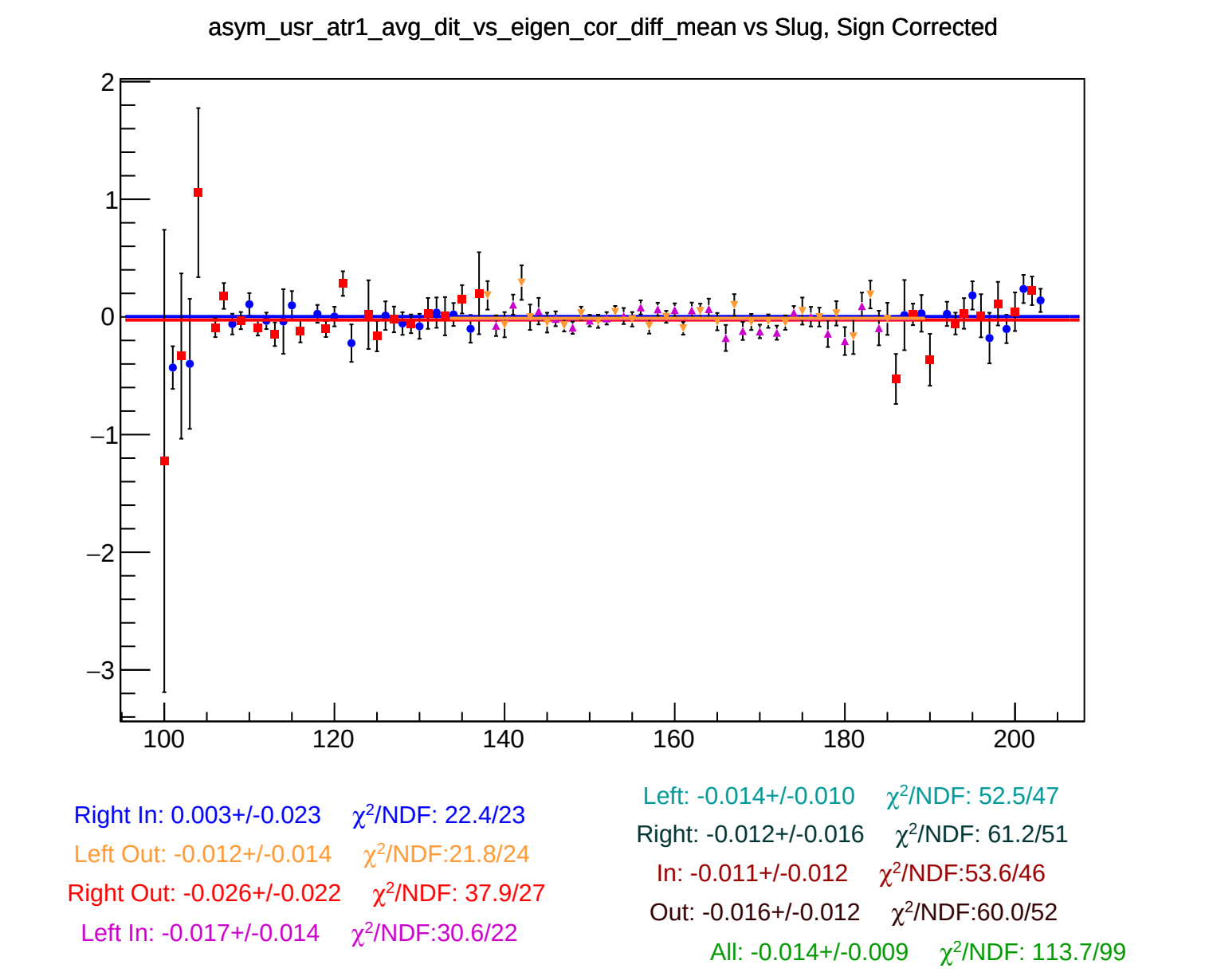
Left: 56.420+/-0.007 χ^2/NDF: 4937425.9/47

Right: 69.331+/-0.011 χ^2/NDF: 8532289.4/51

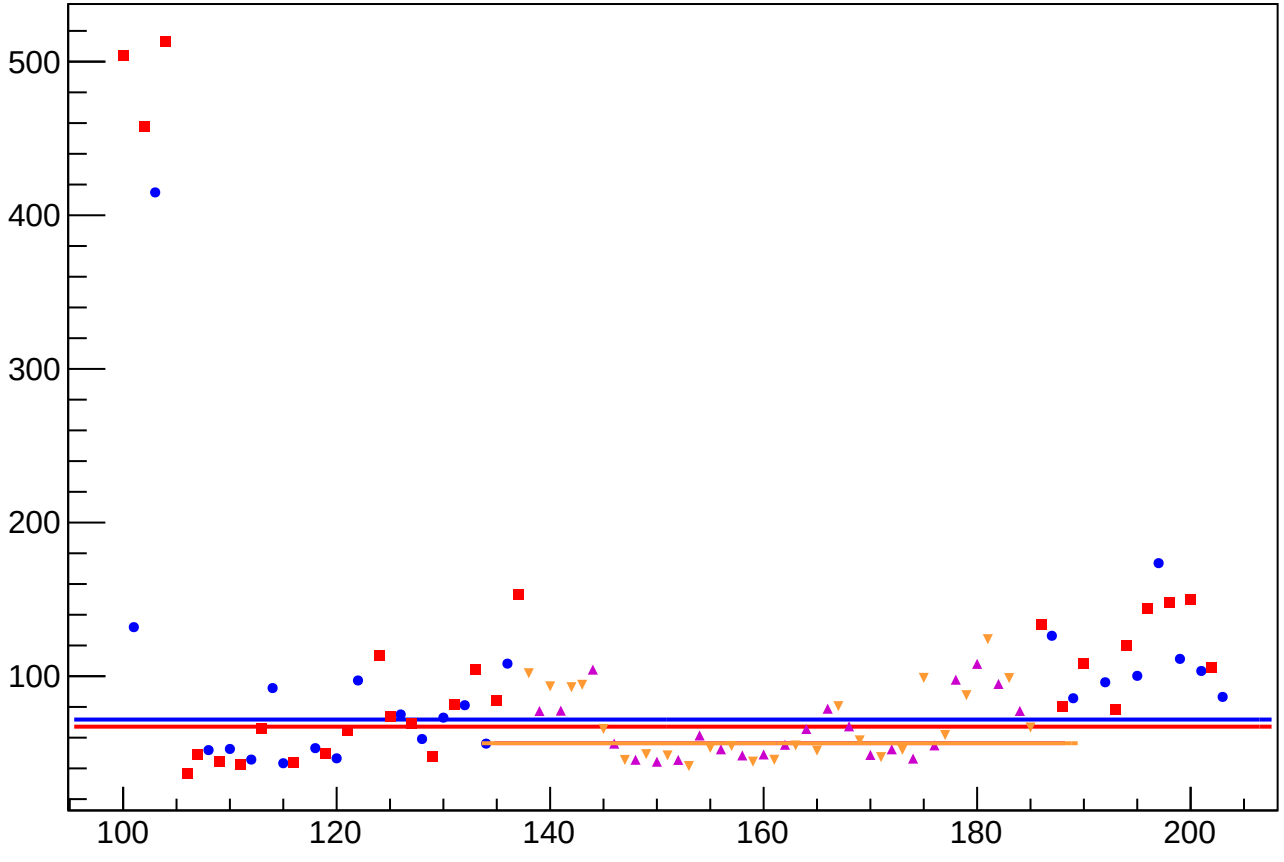
In: 60.830+/-0.009 χ^2/NDF:6146467.0/46

Out: 59.682+/-0.008 χ^2/NDF:8265592.2/52

All: 60.240+/-0.006 χ^2/NDF: 14421079.5/99


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: 0.003+/-0.023 χ²/NDF: 22.4/23
Left Out: -0.012+/-0.014 χ²/NDF:21.8/24
Right Out: -0.026+/-0.022 χ²/NDF: 37.9/27
Left In: -0.017+/-0.014 χ²/NDF:30.6/22
Left: -0.014+/-0.010 χ²/NDF: 52.5/47
Right: -0.012+/-0.016 χ²/NDF: 61.2/51
In: -0.011+/-0.012 χ²/NDF:53.6/46
Out: -0.016+/-0.012 χ²/NDF:60.0/52
All: -0.014+/-0.009 χ²/NDF: 113.7/99

asym_usr_atr1_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 71.795+/-0.016 χ^2/NDF: 3369042.7/23

Left Out: 56.374+/-0.010 χ^2/NDF:2797305.0/24

Right Out: 67.164+/-0.015 χ^2/NDF: 5119968.7/27

Left In: 56.467+/-0.010 χ^2/NDF:2140078.8/22

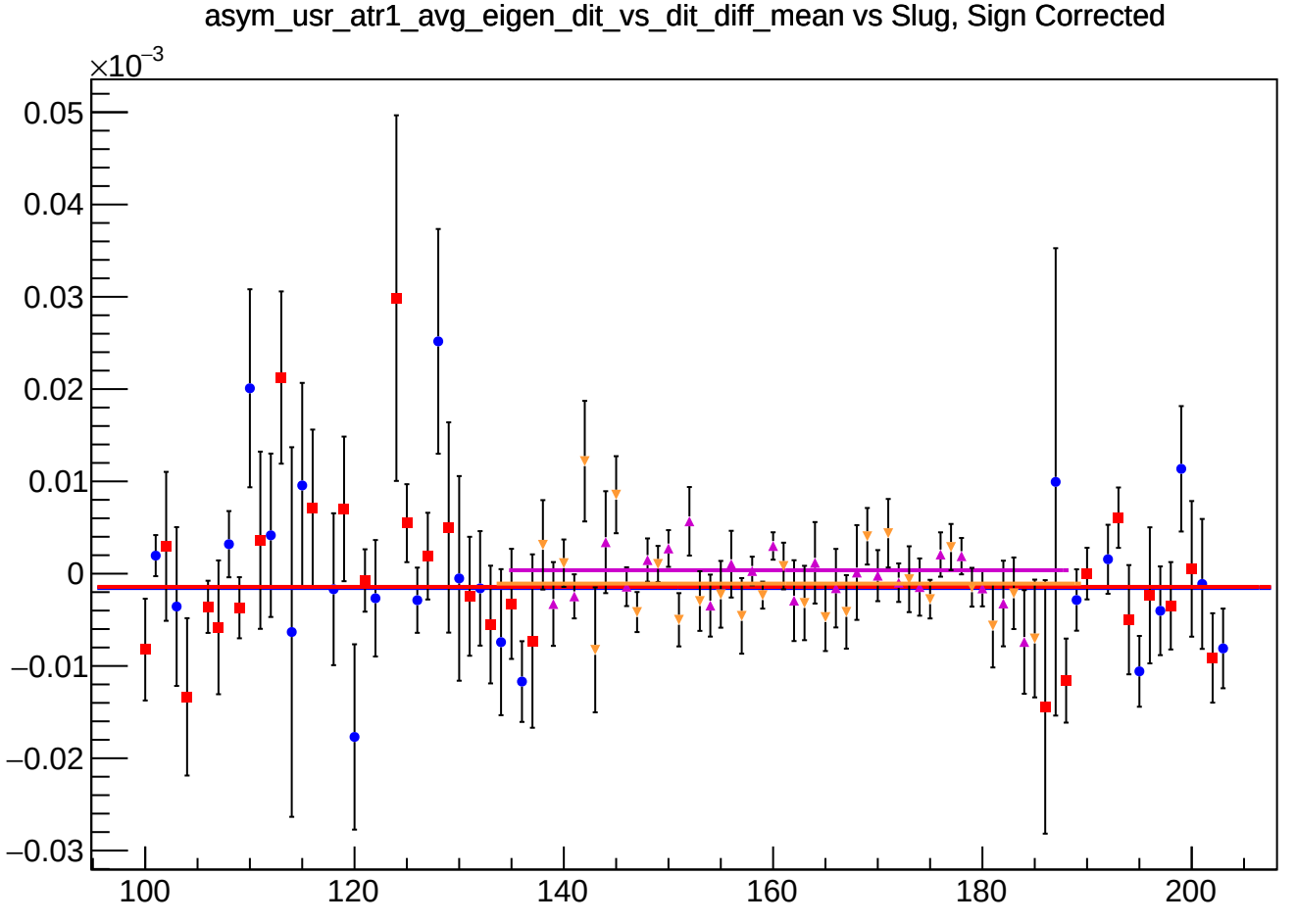
Left: 56.420+/-0.007 χ^2/NDF: 4937425.9/47

Right: 69.331+/-0.011 χ^2/NDF: 8532289.4/51

In: 60.830+/-0.009 χ^2/NDF:6146467.0/46

Out: 59.682+/-0.008 χ^2/NDF:8265592.2/52

All: 60.240+/-0.006 χ^2/NDF: 14421079.5/99



Right In: -0.000+/-0.000 χ^2/NDF: 36.1/23

Left Out: -0.000+/-0.000 χ^2/NDF:31.6/24

Right Out: -0.000+/-0.000 χ^2/NDF: 35.1/27

Left In: 0.000+/-0.000 χ^2/NDF:17.5/22

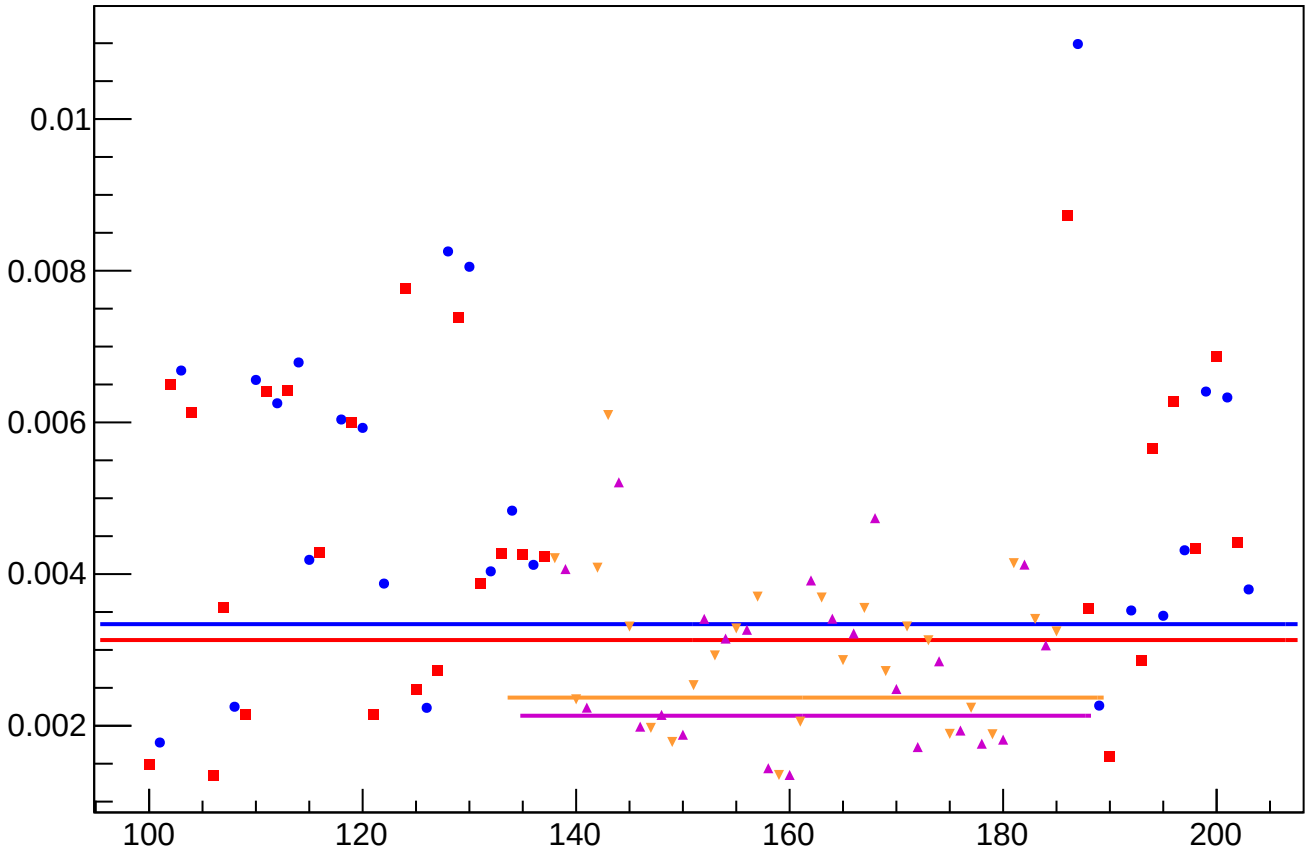
Left: -0.000+/-0.000 χ^2/NDF: 52.4/47

Right: -0.000+/-0.000 χ^2/NDF: 71.2/51

In: -0.000+/-0.000 χ^2/NDF:56.3/46

Out: -0.000+/-0.000 χ^2/NDF:66.7/52

All: -0.000+/-0.000 χ^2/NDF: 125.7/99



Right In: 0.003+/-0.000 χ^2/NDF: 4612811.1/23

Left Out: 0.002+/-0.000 χ^2/NDF:4161142.1/24

Right Out: 0.003+/-0.000 χ^2/NDF: 5836174.2/27

Left In: 0.002+/-0.000 χ^2/NDF:4521223.3/22

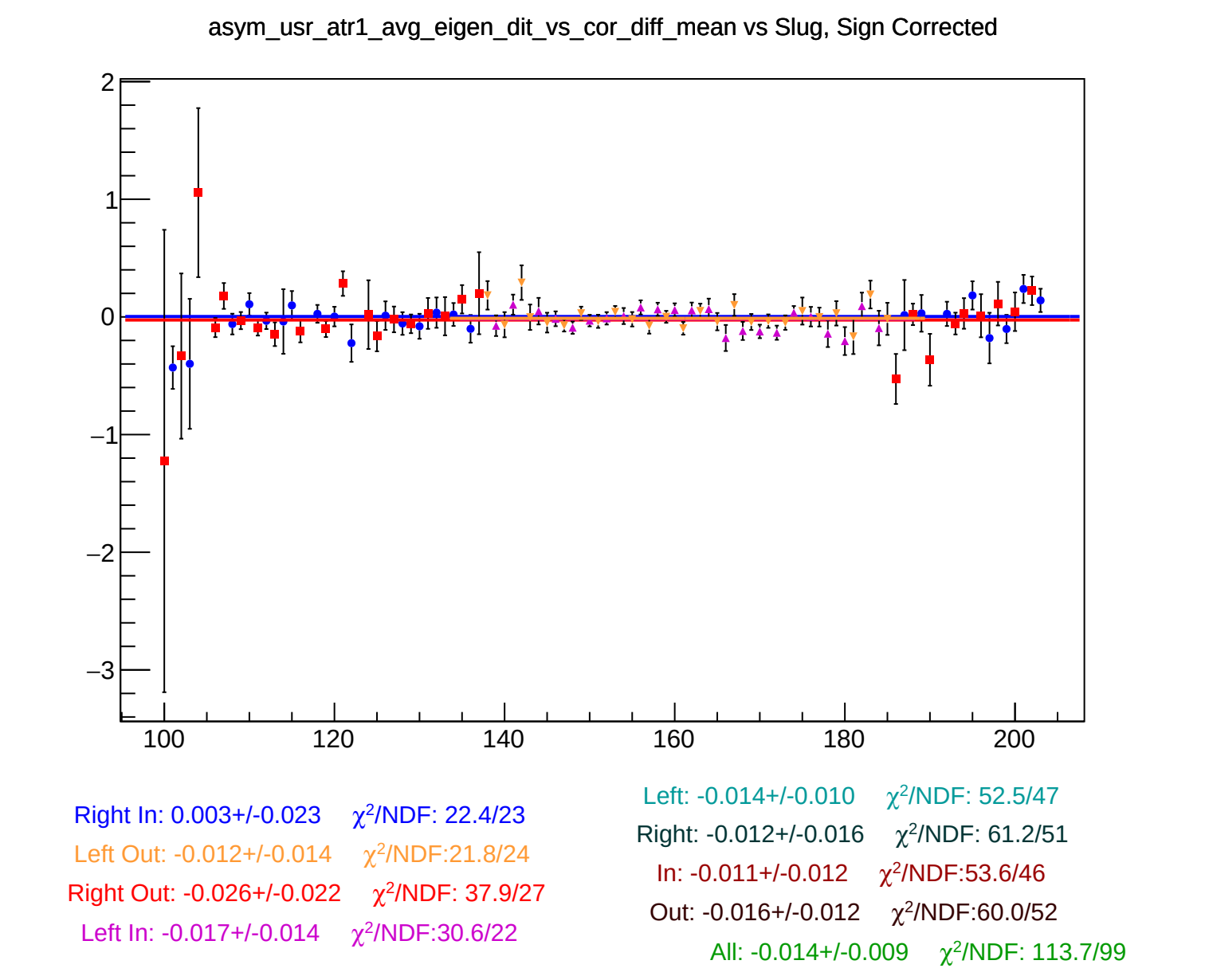
Left: 0.002+/-0.000 χ^2/NDF: 8864827.0/47

Right: 0.003+/-0.000 χ^2/NDF: 10492713.5/51

In: 0.002+/-0.000 χ^2/NDF:11279529.2/46

Out: 0.003+/-0.000 χ^2/NDF:10898760.9/52

All: 0.002+/-0.000 χ^2/NDF: 22319411.9/99


asym_usr_atr1_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected
2
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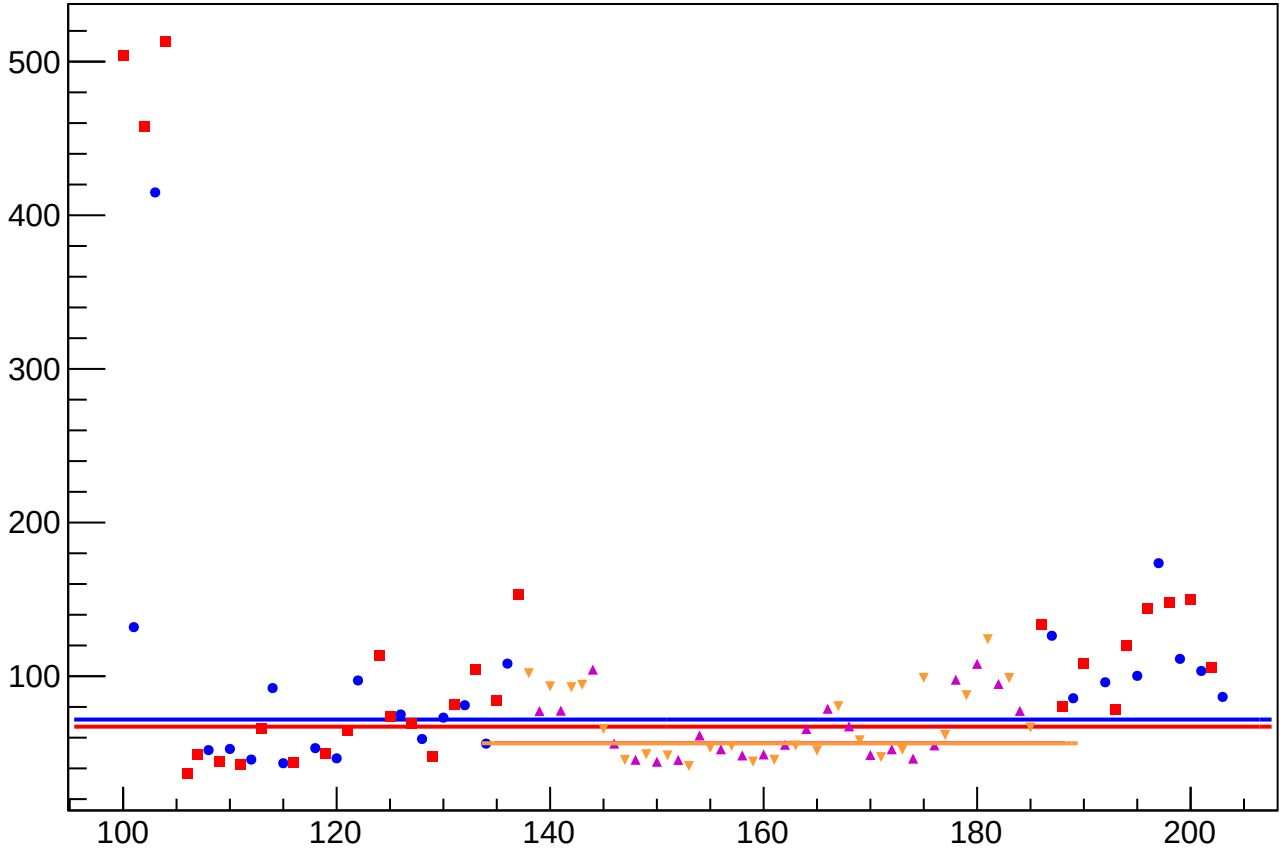
Right In: 0.003+/-0.023 χ²/NDF: 22.4/23
Left Out: -0.012+/-0.014 χ²/NDF:21.8/24
Right Out: -0.026+/-0.022 χ²/NDF: 37.9/27
Left In: -0.017+/-0.014 χ²/NDF:30.6/22
Left: -0.014+/-0.010 χ²/NDF: 52.5/47
Right: -0.012+/-0.016 χ²/NDF: 61.2/51
In: -0.011+/-0.012 χ²/NDF:53.6/46
Out: -0.016+/-0.012 χ²/NDF:60.0/52
All: -0.014+/-0.009 χ²/NDF: 113.7/99

asym_usr_atr1_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 71.795+/-0.016 χ^2/NDF: 3369030.6/23

Left Out: 56.374+/-0.010 χ^2/NDF:2797380.0/24

Right Out: 67.164+/-0.015 χ^2/NDF: 5119978.7/27

Left In: 56.467+/-0.010 χ^2/NDF:2140063.7/22

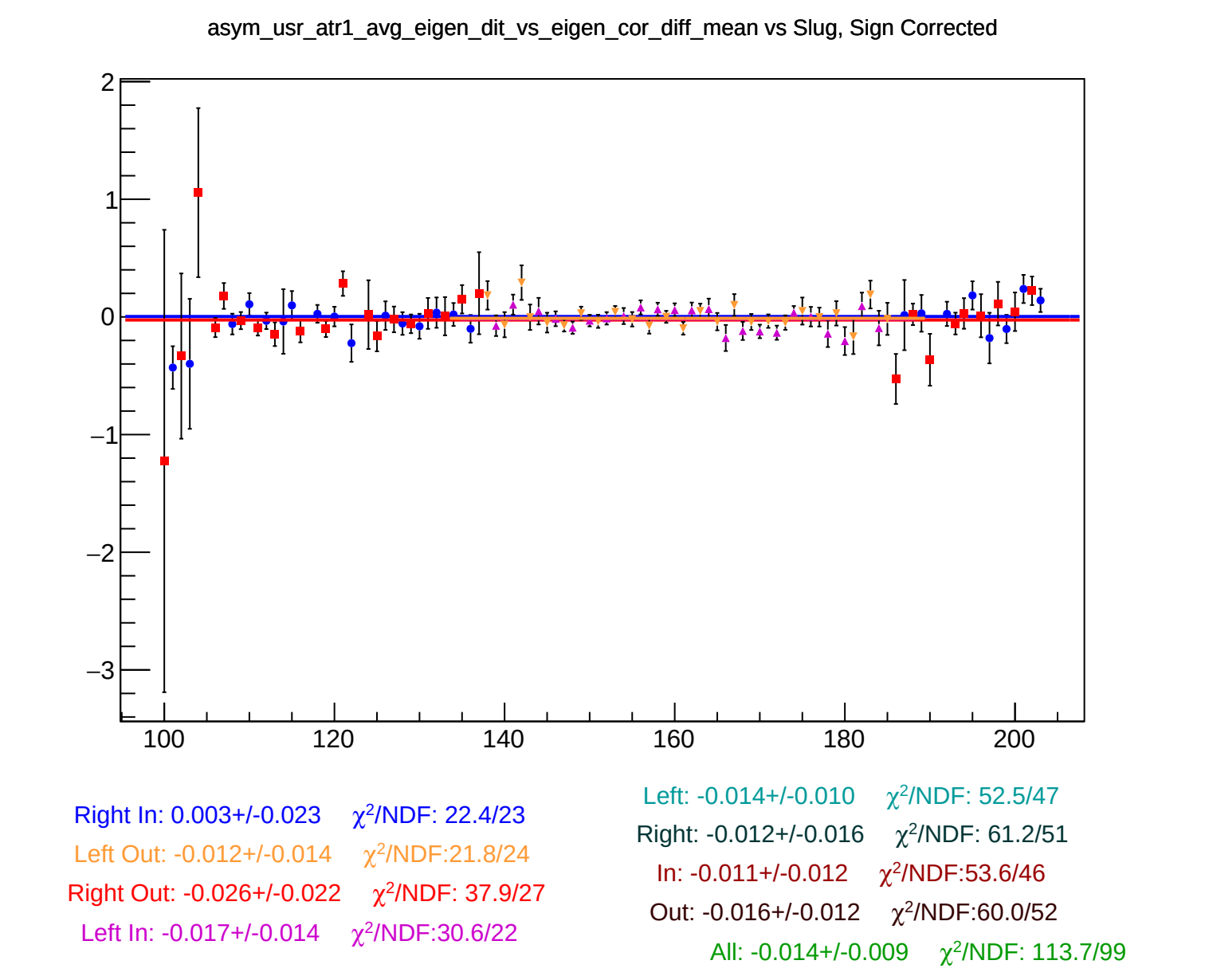
Left: 56.420+/-0.007 χ^2/NDF: 4937485.7/47

Right: 69.330+/-0.011 χ^2/NDF: 8532291.0/51

In: 60.830+/-0.009 χ^2/NDF:6146380.1/46

Out: 59.682+/-0.008 χ^2/NDF:8265615.6/52

All: 60.240+/-0.006 χ^2/NDF: 14421016.2/99


asym_usr_atr1_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected
2
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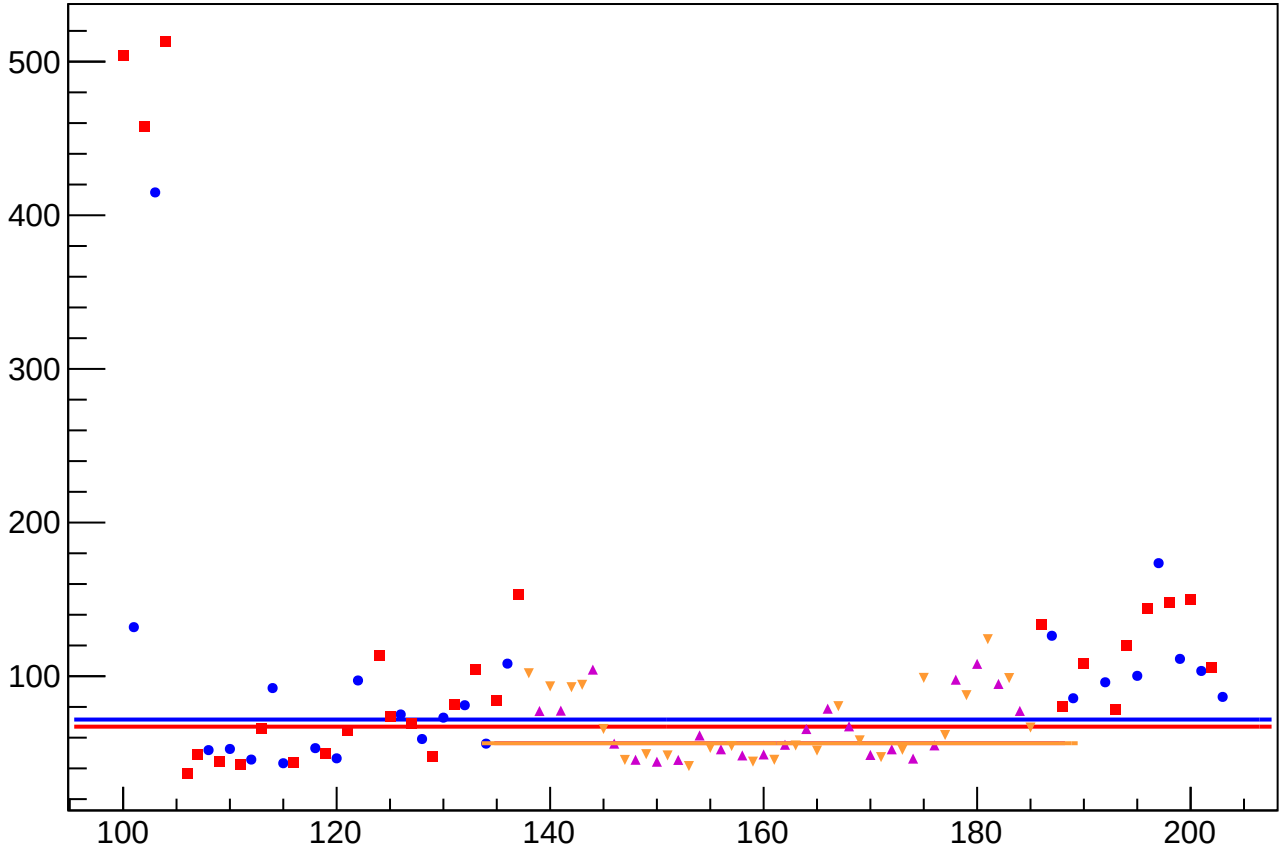
−2
−3
100
120
140
160
180
200
Right In: 0.003+/-0.023 χ²/NDF: 22.4/23
Left Out: -0.012+/-0.014 χ²/NDF:21.8/24
Right Out: -0.026+/-0.022 χ²/NDF: 37.9/27
Left In: -0.017+/-0.014 χ²/NDF:30.6/22
Left: -0.014+/-0.010 χ²/NDF: 52.5/47
Right: -0.012+/-0.016 χ²/NDF: 61.2/51
In: -0.011+/-0.012 χ²/NDF:53.6/46
Out: -0.016+/-0.012 χ²/NDF:60.0/52
All: -0.014+/-0.009 χ²/NDF: 113.7/99

asym_usr_atr1_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 71.795+/-0.016 χ^2/NDF: 3369030.6/23

Left Out: 56.374+/-0.010 χ^2/NDF:2797380.0/24

Right Out: 67.164+/-0.015 χ^2/NDF: 5119978.7/27

Left In: 56.467+/-0.010 χ^2/NDF:2140063.7/22

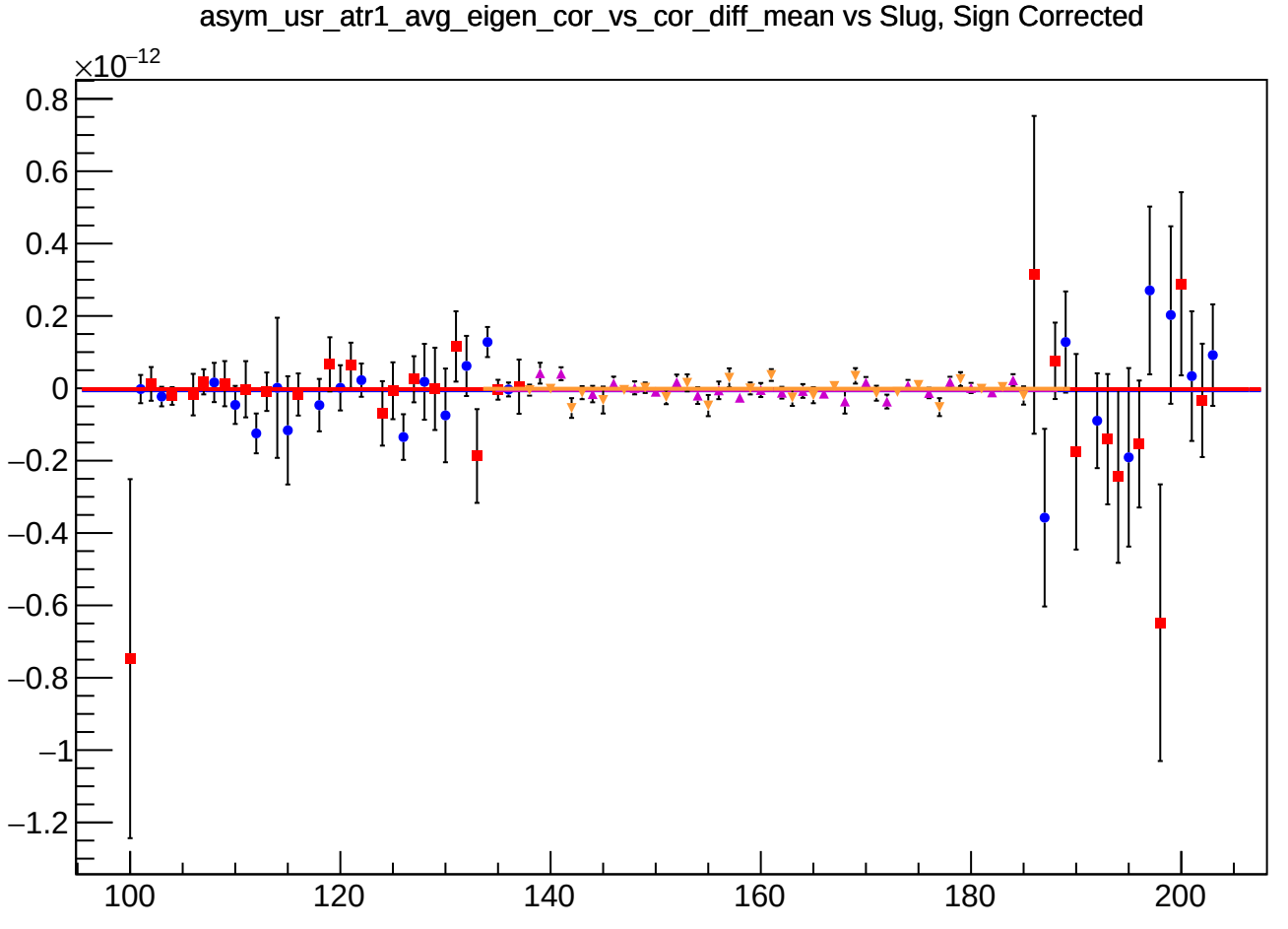
Left: 56.420+/-0.007 χ^2/NDF: 4937485.7/47

Right: 69.330+/-0.011 χ^2/NDF: 8532291.0/51

In: 60.830+/-0.009 χ^2/NDF:6146380.1/46

Out: 59.682+/-0.008 χ^2/NDF:8265615.6/52

All: 60.240+/-0.006 χ^2/NDF: 14421016.2/99



Right In: -0.000+/-0.000 χ^2/NDF: 29.2/23

Left Out: -0.000+/-0.000 χ^2/NDF:29.6/24

Right Out: -0.000+/-0.000 χ^2/NDF: 17.7/27

Left In: -0.000+/-0.000 χ^2/NDF:28.4/22

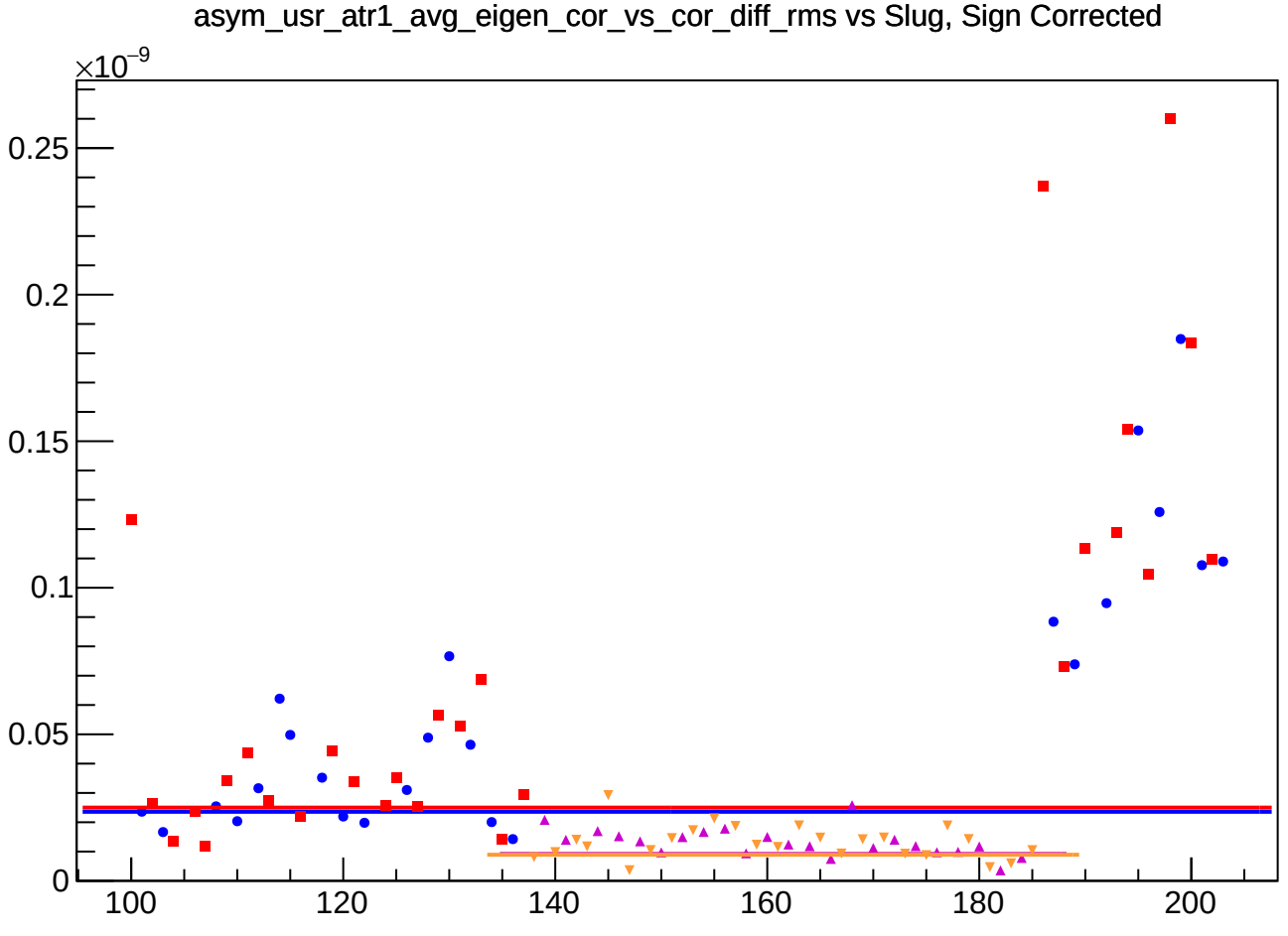
Left: -0.000+/-0.000 χ^2/NDF: 58.8/47

Right: -0.000+/-0.000 χ^2/NDF: 47.0/51

In: -0.000+/-0.000 χ^2/NDF:57.6/46

Out: -0.000+/-0.000 χ^2/NDF:47.4/52

All: -0.000+/-0.000 χ^2/NDF: 105.8/99



Right In: 0.000+/-0.000 χ^2/NDF: 5482115.1/23

Left Out: 0.000+/-0.000 χ^2/NDF:5051836.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 6801425.0/27

Left In: 0.000+/-0.000 χ^2/NDF:5079391.4/22

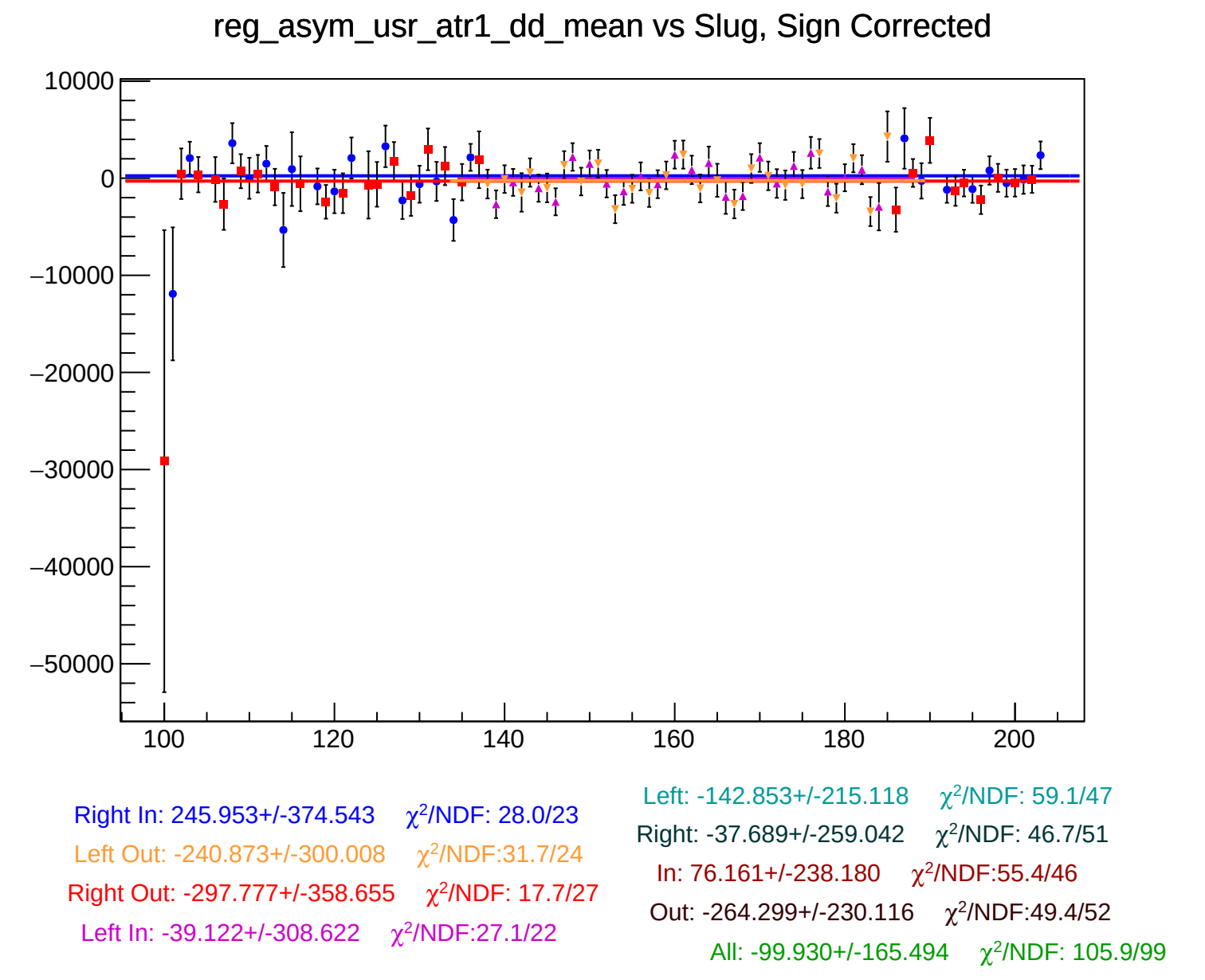
Left: 0.000+/-0.000 χ^2/NDF: 10139912.3/47

Right: 0.000+/-0.000 χ^2/NDF: 12299071.1/51

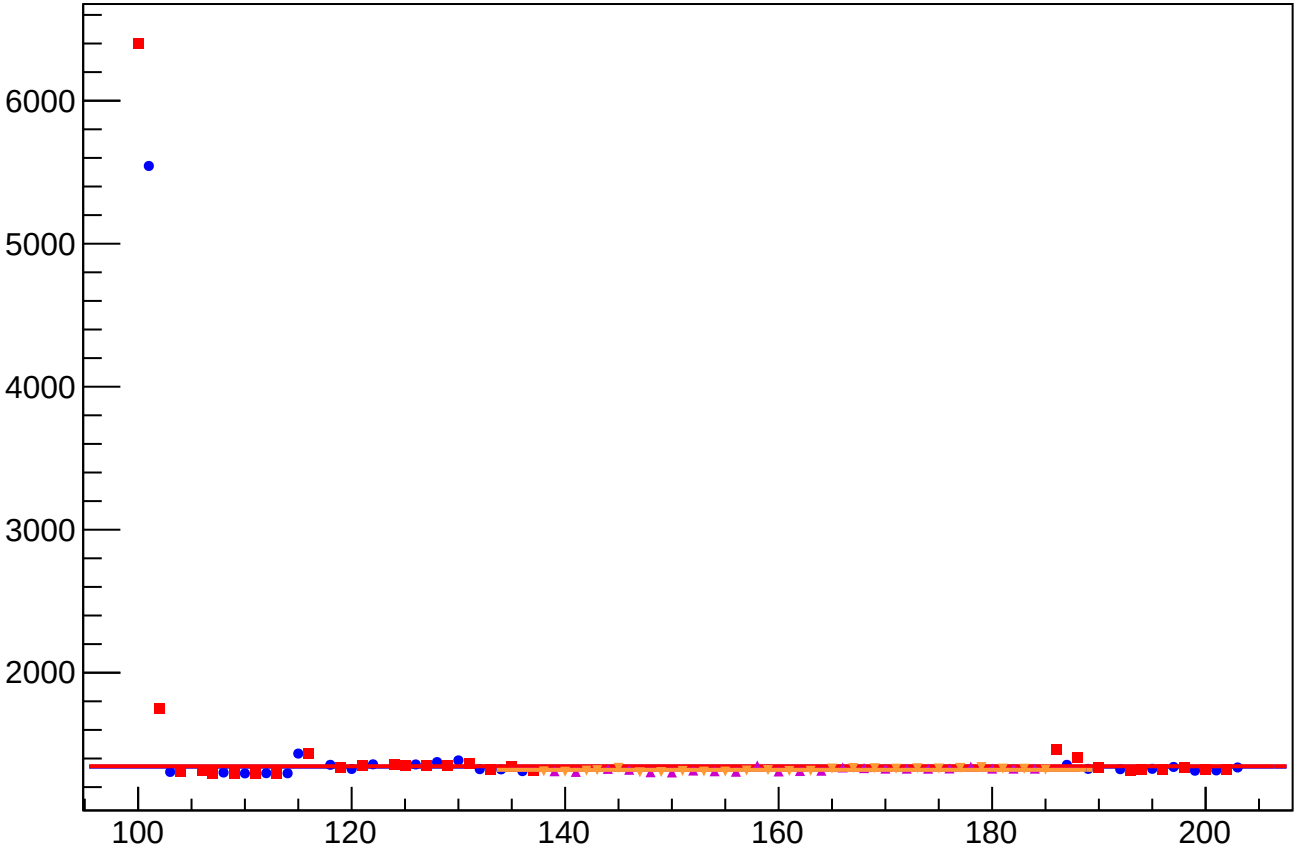
In: 0.000+/-0.000 χ^2/NDF:13689953.5/46

Out: 0.000+/-0.000 χ^2/NDF:15414545.5/52

All: 0.000+/-0.000 χ^2/NDF: 29116150.1/99


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: 245.953+/-374.543 χ²/NDF: 28.0/23
Left Out: -240.873+/-300.008 χ²/NDF:31.7/24
Right Out: -297.777+/-358.655 χ²/NDF: 17.7/27
Left In: -39.122+/-308.622 χ²/NDF:27.1/22
Left: -142.853+/-215.118 χ²/NDF: 59.1/47
Right: -37.689+/-259.042 χ²/NDF: 46.7/51
In: 76.161+/-238.180 χ²/NDF:55.4/46
Out: -264.299+/-230.116 χ²/NDF:49.4/52
All: -99.930+/-165.494 χ²/NDF: 105.9/99

reg_asym_usr_atr1_dd_rms vs Slug, Sign Corrected



Right In: 1342.820+/-0.265 χ^2/NDF: 763861.4/23

Left Out: 1320.740+/-0.212 χ^2/NDF:2602.3/24

Right Out: 1345.991+/-0.254 χ^2/NDF: 159200.5/27

Left In: 1321.782+/-0.218 χ^2/NDF:3553.3/22

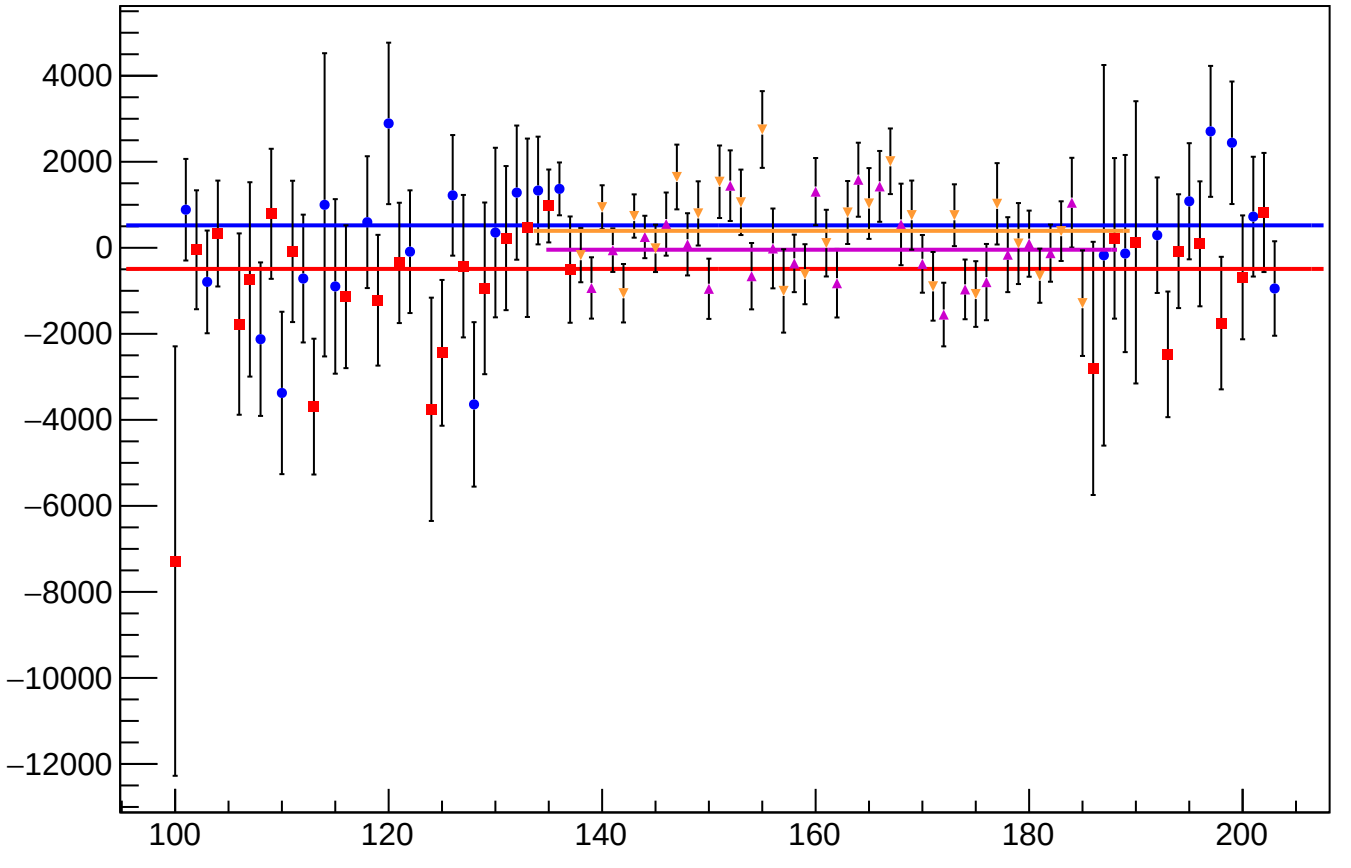
Left: 1321.247+/-0.152 χ^2/NDF: 6167.3/47

Right: 1344.474+/-0.183 χ^2/NDF: 923136.6/51

In: 1330.290+/-0.168 χ^2/NDF:771172.8/46

Out: 1331.135+/-0.163 χ^2/NDF:167635.1/52

All: 1330.727+/-0.117 χ^2/NDF: 938821.0/99



Right In: 521.809+/-284.637 χ^2/NDF: 24.3/23

Left Out: 394.550+/-144.562 χ^2/NDF:41.8/24

Right Out: -490.849+/-296.921 χ^2/NDF: 18.9/27

Left In: -44.777+/-152.333 χ^2/NDF:27.6/22

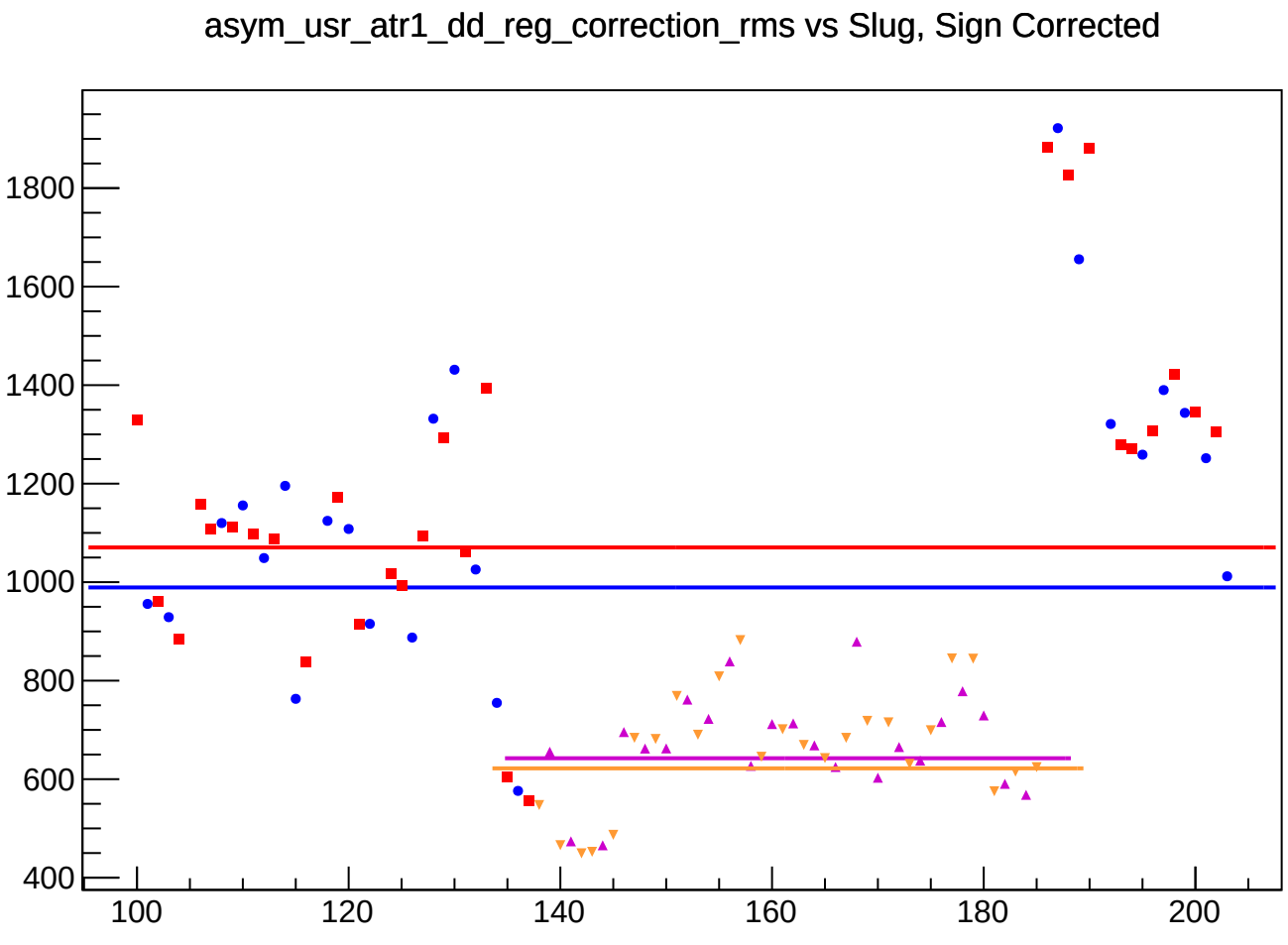
Left: 186.377+/-104.860 χ^2/NDF: 73.8/47

Right: 36.861+/-205.474 χ^2/NDF: 49.3/51

In: 81.372+/-134.308 χ^2/NDF:55.0/46

Out: 224.890+/-129.975 χ^2/NDF:67.9/52

All: 155.483+/-93.401 χ^2/NDF: 123.5/99



Right In: 989.236+/-0.201 χ^2/NDF: 2041957.9/23

Left Out: 621.950+/-0.102 χ^2/NDF:1383473.2/24

Right Out: 1070.430+/-0.210 χ^2/NDF: 2150468.7/27

Left In: 642.470+/-0.108 χ^2/NDF:926330.5/22

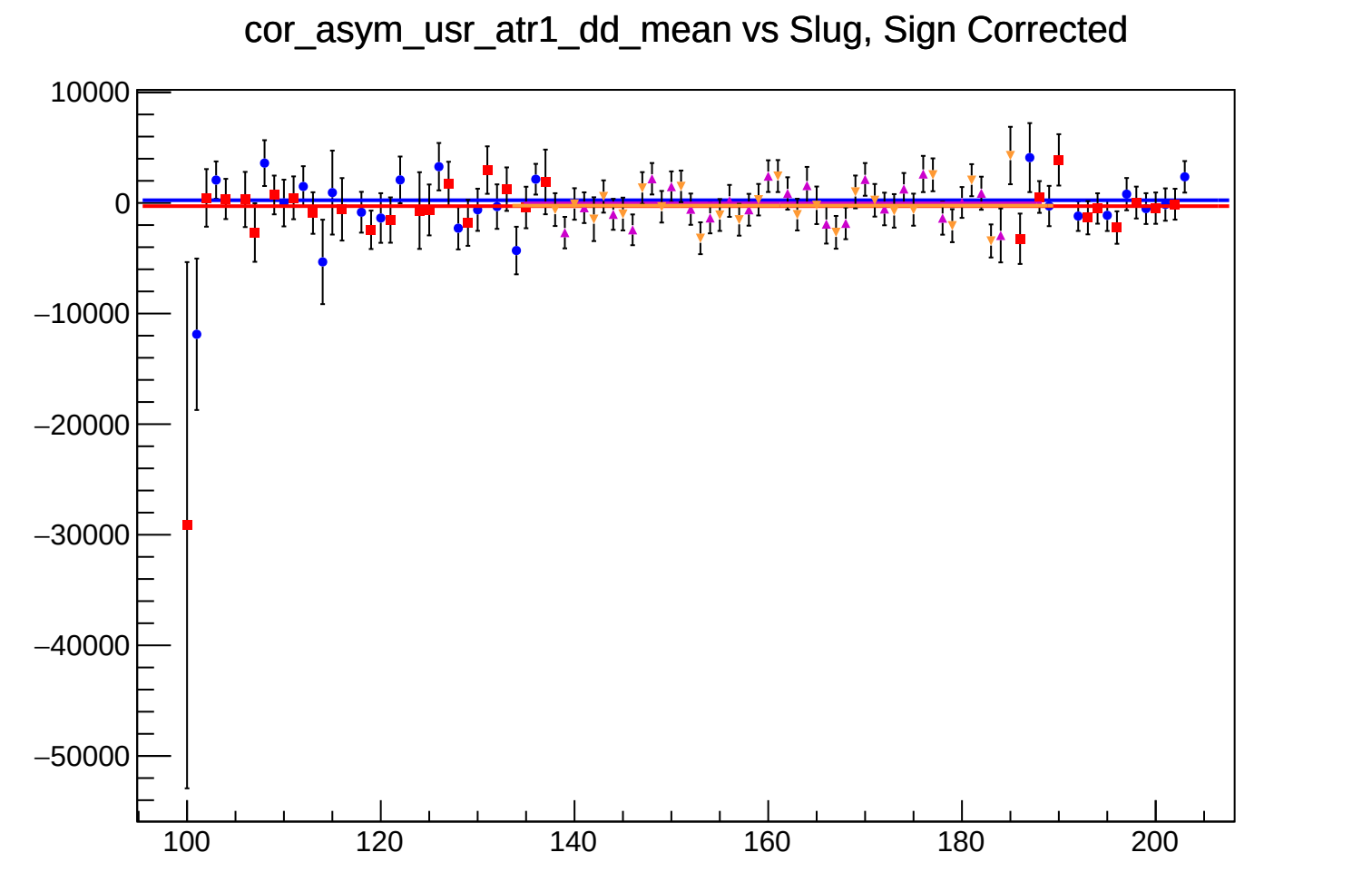
Left: 631.673+/-0.074 χ^2/NDF: 2328898.3/47

Right: 1028.118+/-0.145 χ^2/NDF: 4270361.5/51

In: 719.677+/-0.095 χ^2/NDF:5275758.1/46

Out: 707.888+/-0.092 χ^2/NDF:7222433.5/52

All: 713.589+/-0.066 χ^2/NDF: 12506149.2/99



Right In: 246.059+/-374.543 χ^2/NDF: 27.9/23

Left Out: -240.875+/-300.008 χ^2/NDF:31.7/24

Right Out: -289.316+/-359.280 χ^2/NDF: 17.7/27

Left In: -39.193+/-308.622 χ^2/NDF:27.1/22

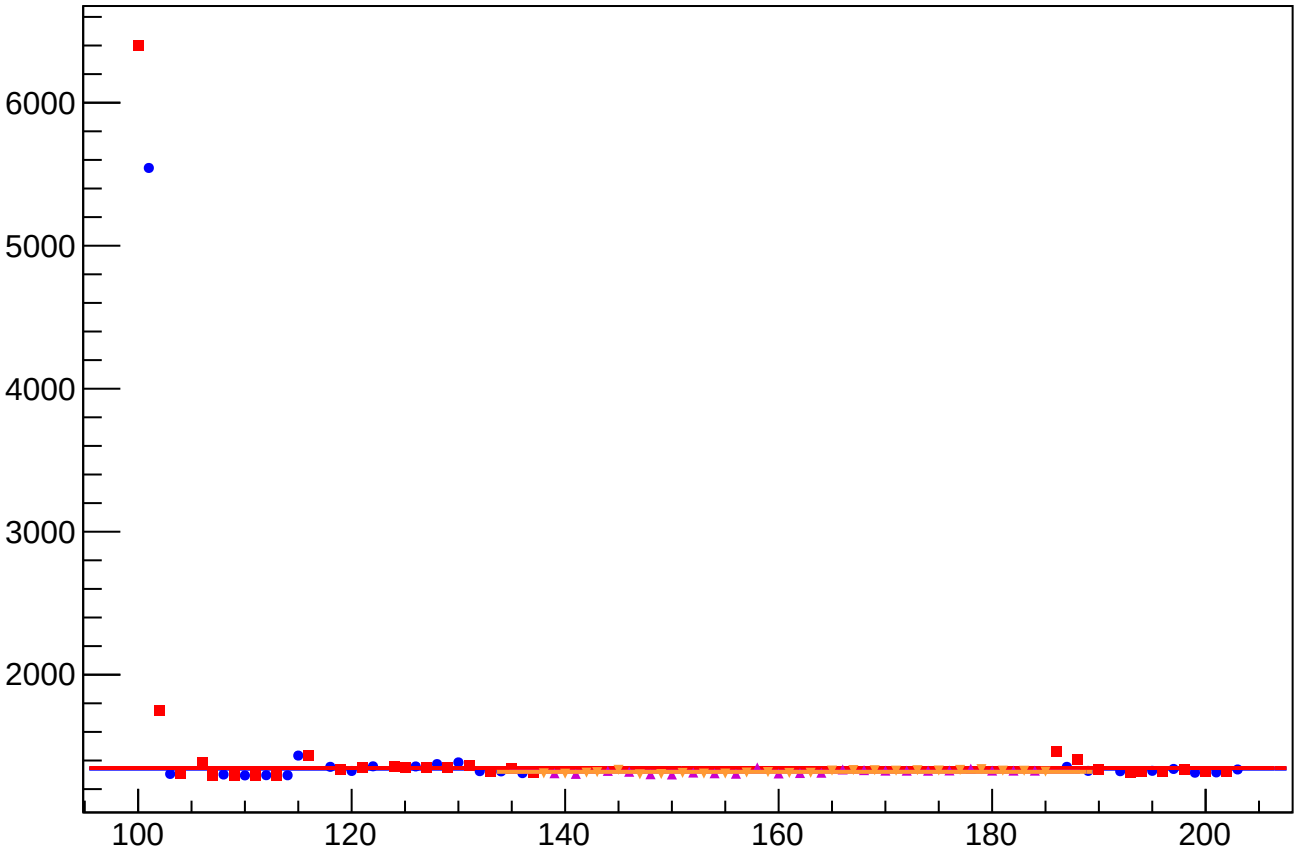
Left: -142.888+/-215.118 χ^2/NDF: 59.1/47

Right: -32.759+/-259.277 χ^2/NDF: 46.7/51

In: 76.162+/-238.180 χ^2/NDF:55.4/46

Out: -260.776+/-230.281 χ^2/NDF:49.5/52

All: -97.987+/-165.555 χ^2/NDF: 105.9/99



Right In: 1342.820+/-0.265 χ^2/NDF: 763860.4/23

Left Out: 1320.740+/-0.212 χ^2/NDF:2602.3/24

Right Out: 1347.568+/-0.254 χ^2/NDF: 159445.7/27

Left In: 1321.783+/-0.218 χ^2/NDF:3553.3/22

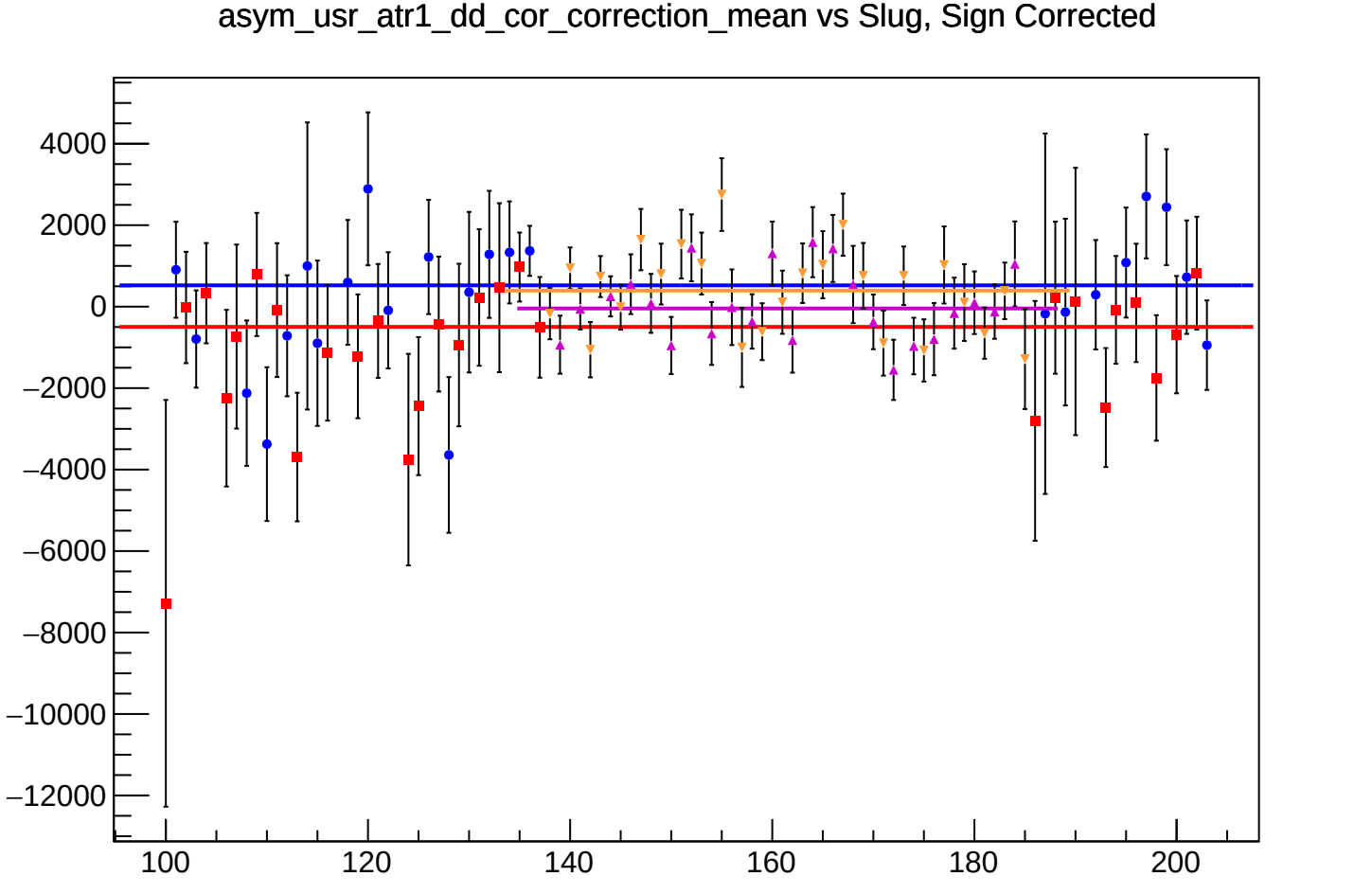
Left: 1321.247+/-0.152 χ^2/NDF: 6167.3/47

Right: 1345.293+/-0.183 χ^2/NDF: 923473.5/51

In: 1330.290+/-0.168 χ^2/NDF:771171.8/46

Out: 1331.762+/-0.163 χ^2/NDF:168618.3/52

All: 1331.051+/-0.117 χ^2/NDF: 939829.6/99



Right In: 523.052+/-284.604 χ^2/NDF: 24.3/23

Left Out: 394.522+/-144.562 χ^2/NDF:41.8/24

Right Out: -496.747+/-296.924 χ^2/NDF: 19.2/27

Left In: -44.766+/-152.332 χ^2/NDF:27.6/22

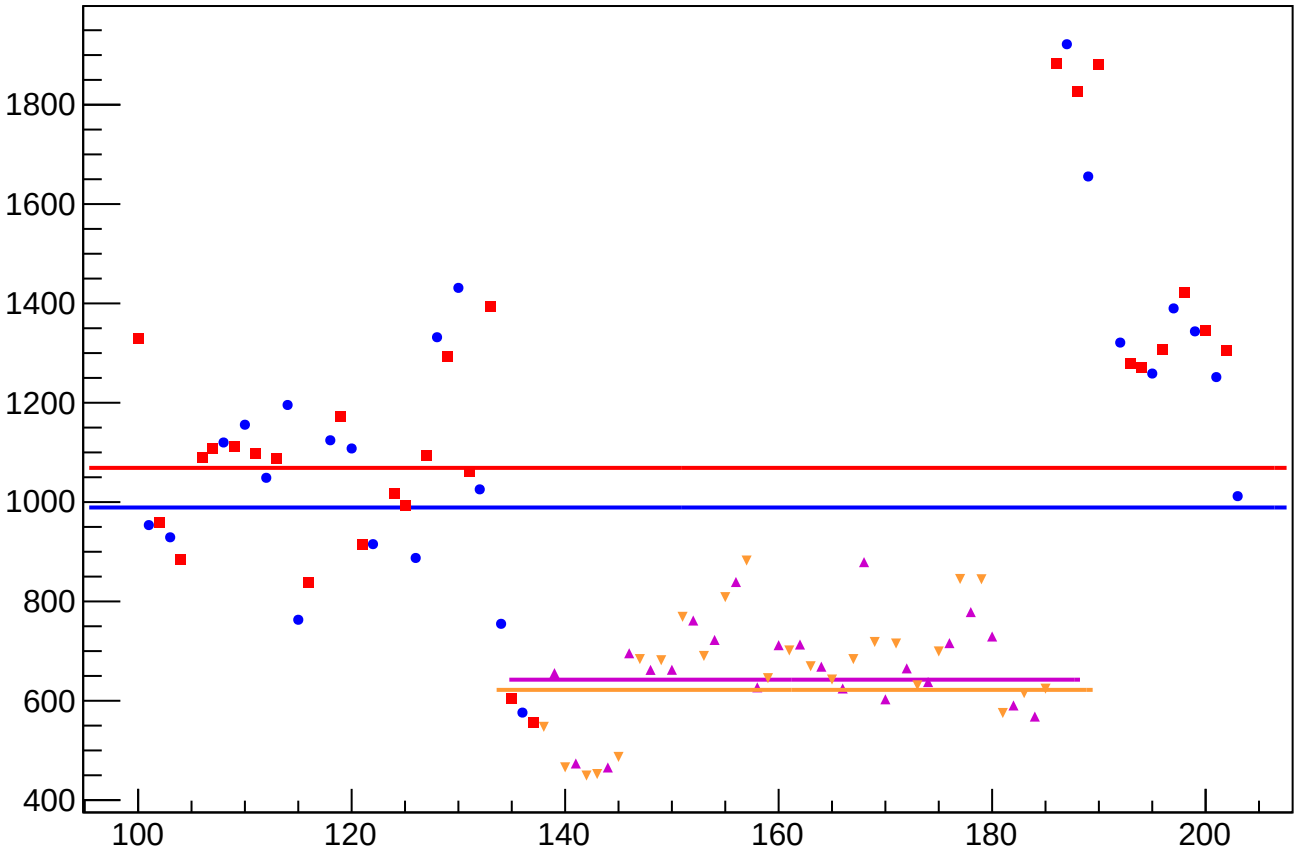
Left: 186.367+/-104.860 χ^2/NDF: 73.8/47

Right: 34.749+/-205.463 χ^2/NDF: 49.6/51

In: 81.680+/-134.304 χ^2/NDF:55.0/46

Out: 223.740+/-129.976 χ^2/NDF:68.3/52

All: 155.036+/-93.399 χ^2/NDF: 123.9/99



Right In: 989.120+/-0.201 χ^2/NDF: 2042087.8/23

Left Out: 621.950+/-0.102 χ^2/NDF:1383373.4/24

Right Out: 1068.878+/-0.210 χ^2/NDF: 2147853.7/27

Left In: 642.465+/-0.108 χ^2/NDF:926376.1/22

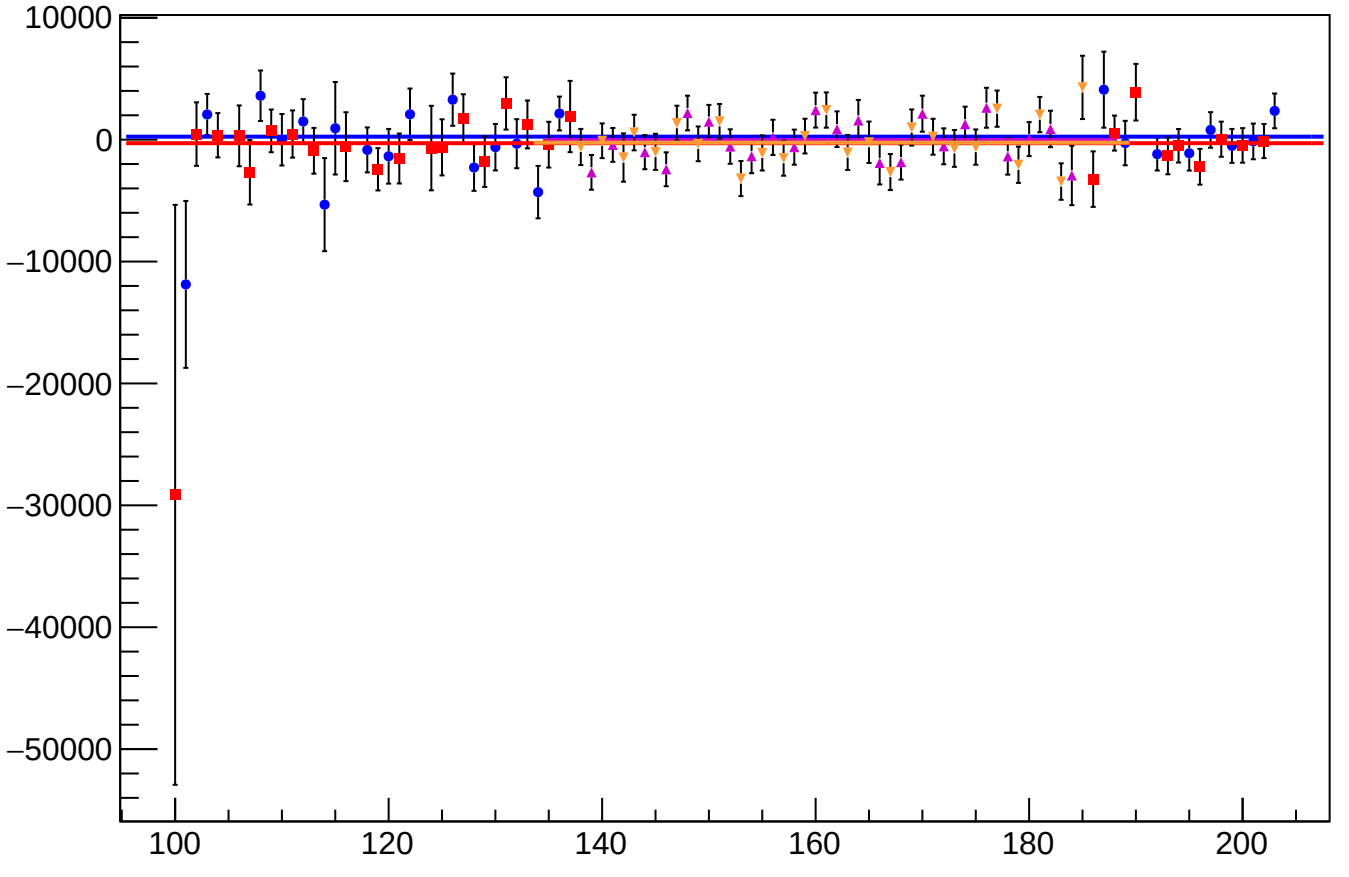
Left: 631.671+/-0.074 χ^2/NDF: 2328835.4/47

Right: 1027.310+/-0.145 χ^2/NDF: 4265151.5/51

In: 719.661+/-0.095 χ^2/NDF:5274887.4/46

Out: 707.589+/-0.092 χ^2/NDF:7194182.3/52

All: 713.427+/-0.066 χ^2/NDF: 12477413.8/99



Right In: 246.059+/-374.543 χ^2/NDF: 27.9/23

Left Out: -240.875+/-300.008 χ^2/NDF:31.7/24

Right Out: -289.316+/-359.280 χ^2/NDF: 17.7/27

Left In: -39.193+/-308.622 χ^2/NDF:27.1/22

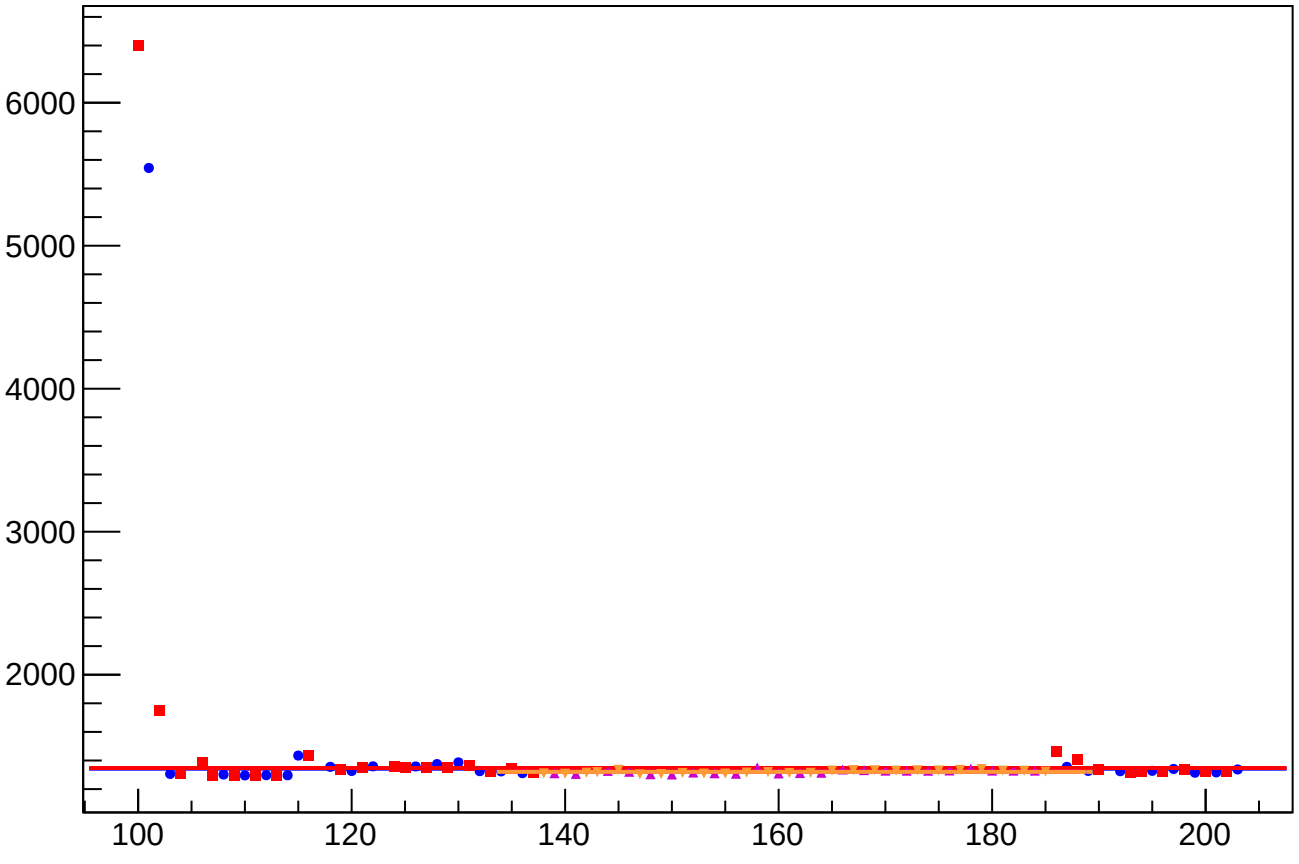
Left: -142.888+/-215.118 χ^2/NDF: 59.1/47

Right: -32.759+/-259.277 χ^2/NDF: 46.7/51

In: 76.162+/-238.180 χ^2/NDF:55.4/46

Out: -260.776+/-230.281 χ^2/NDF:49.5/52

All: -97.987+/-165.555 χ^2/NDF: 105.9/99



Right In: 1342.820+/-0.265 χ^2/NDF: 763860.4/23

Left Out: 1320.740+/-0.212 χ^2/NDF:2602.3/24

Right Out: 1347.568+/-0.254 χ^2/NDF: 159445.7/27

Left In: 1321.783+/-0.218 χ^2/NDF:3553.3/22

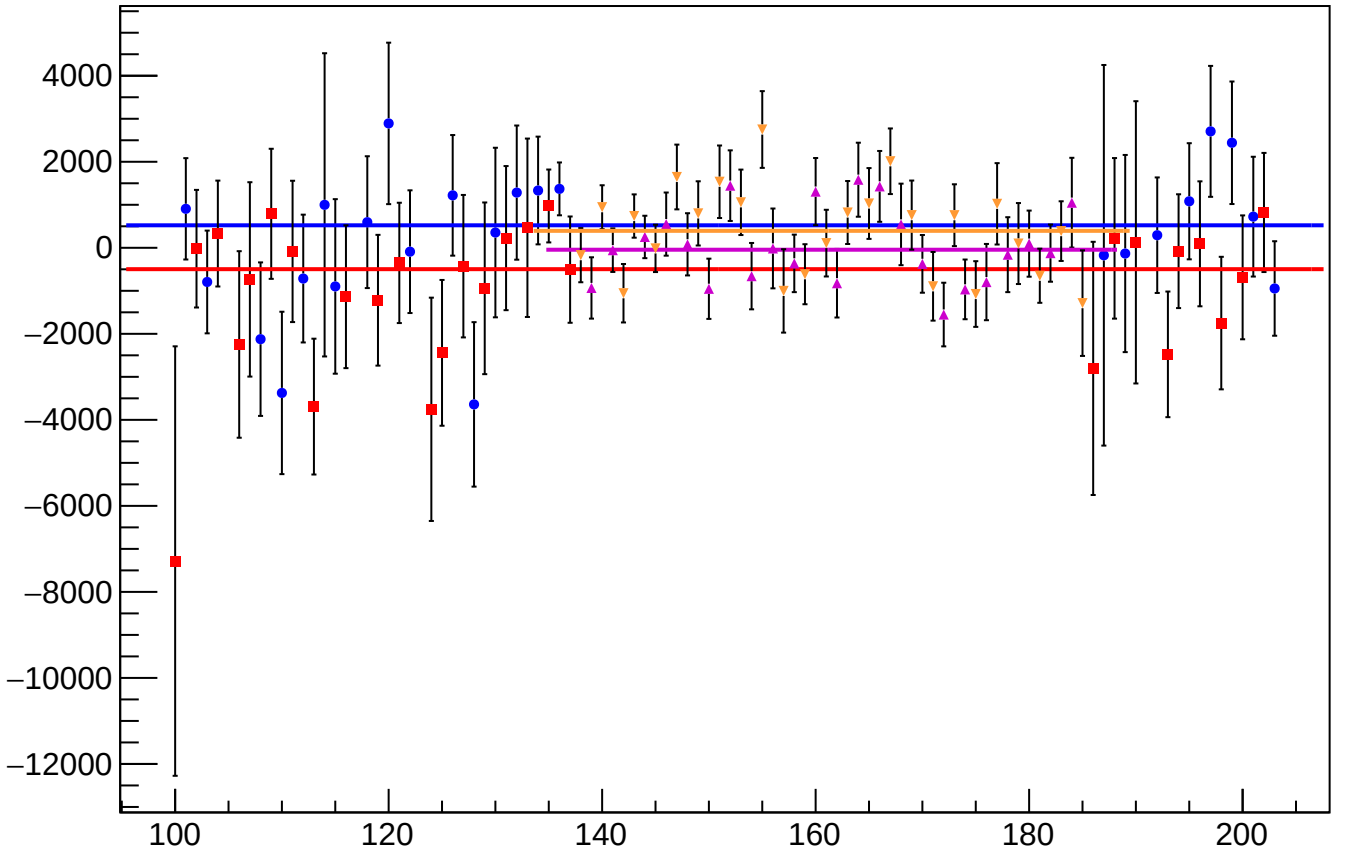
Left: 1321.247+/-0.152 χ^2/NDF: 6167.3/47

Right: 1345.293+/-0.183 χ^2/NDF: 923473.5/51

In: 1330.290+/-0.168 χ^2/NDF:771171.8/46

Out: 1331.762+/-0.163 χ^2/NDF:168618.3/52

All: 1331.051+/-0.117 χ^2/NDF: 939829.6/99



Right In: 523.052+/-284.604 χ^2/NDF: 24.3/23

Left Out: 394.522+/-144.562 χ^2/NDF:41.8/24

Right Out: -496.747+/-296.924 χ^2/NDF: 19.2/27

Left In: -44.766+/-152.332 χ^2/NDF:27.6/22

Left: 186.367+/-104.860 χ^2/NDF: 73.8/47

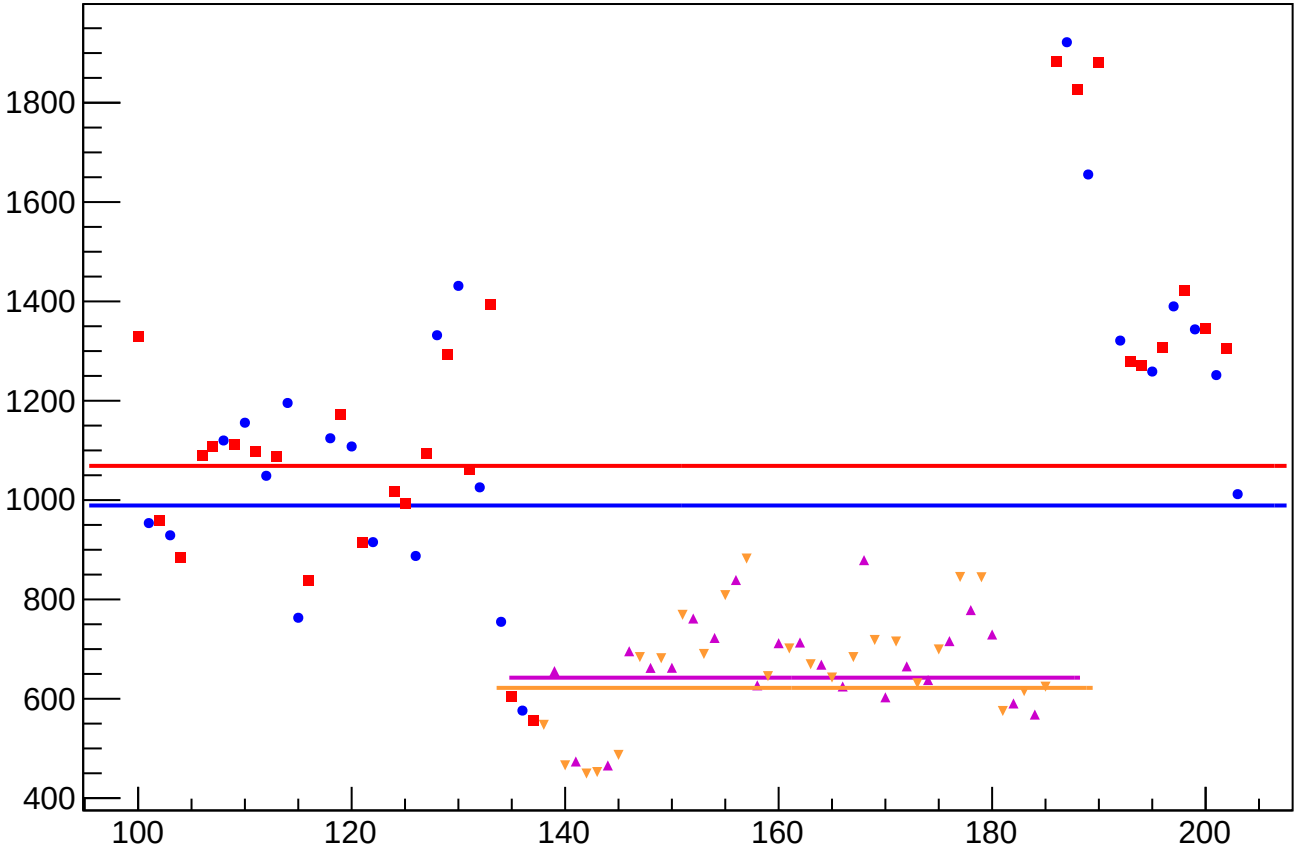
Right: 34.749+/-205.463 χ^2/NDF: 49.6/51

In: 81.680+/-134.304 χ^2/NDF:55.0/46

Out: 223.740+/-129.976 χ^2/NDF:68.3/52

All: 155.036+/-93.399 χ^2/NDF: 123.9/99

asym_usr_atr1_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 989.120+/-0.201 χ^2/NDF: 2042087.8/23

Left Out: 621.950+/-0.102 χ^2/NDF:1383373.4/24

Right Out: 1068.878+/-0.210 χ^2/NDF: 2147853.7/27

Left In: 642.465+/-0.108 χ^2/NDF:926376.1/22

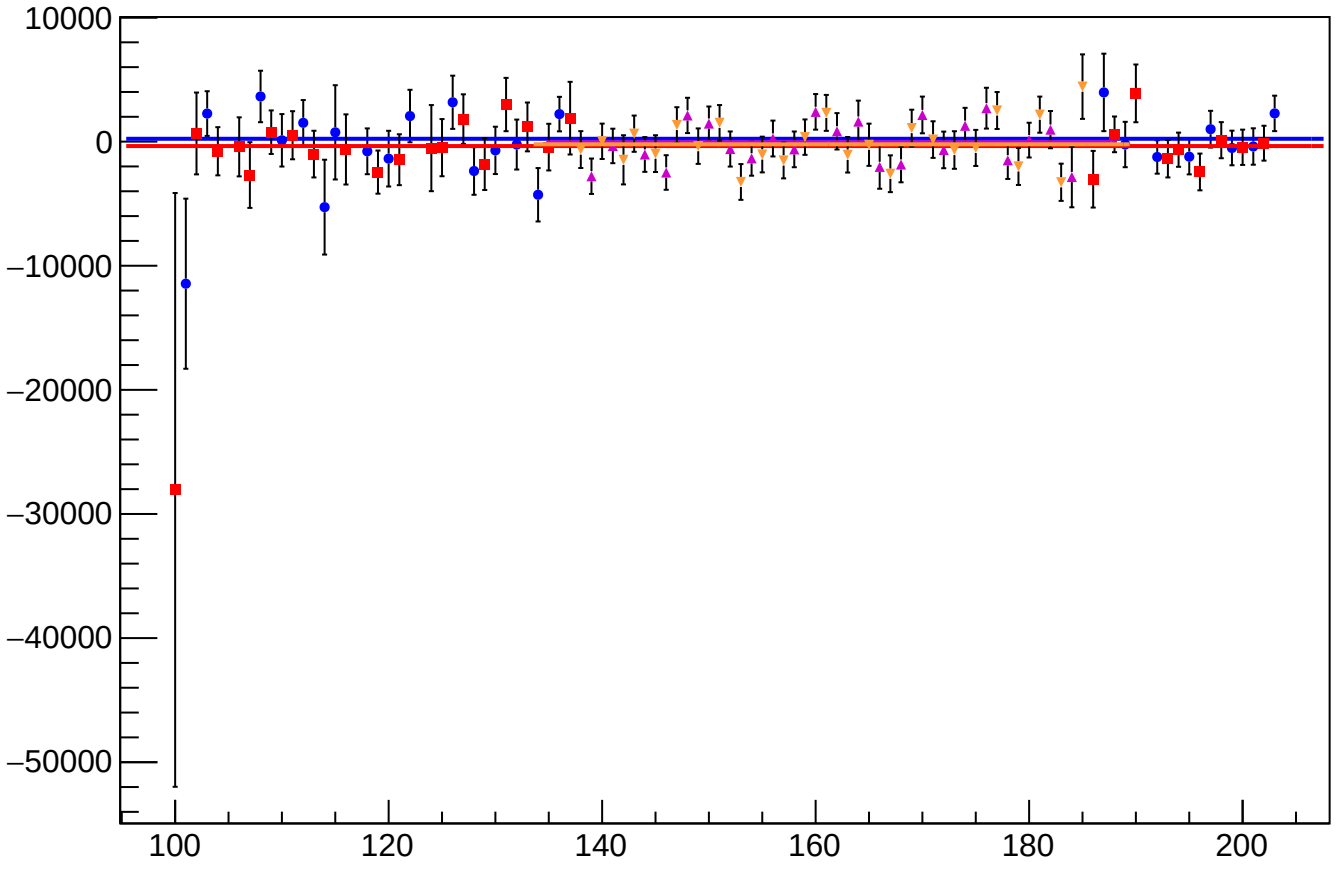
Left: 631.671+/-0.074 χ^2/NDF: 2328835.4/47

Right: 1027.310+/-0.145 χ^2/NDF: 4265151.5/51

In: 719.661+/-0.095 χ^2/NDF:5274887.4/46

Out: 707.589+/-0.092 χ^2/NDF:7194182.3/52

All: 713.427+/-0.066 χ^2/NDF: 12477413.8/99



Right In: 228.975+/-376.512 χ^2/NDF: 28.0/23

Left Out: -215.033+/-300.379 χ^2/NDF:31.3/24

Right Out: -357.442+/-361.880 χ^2/NDF: 17.8/27

Left In: -50.244+/-308.986 χ^2/NDF:27.8/22

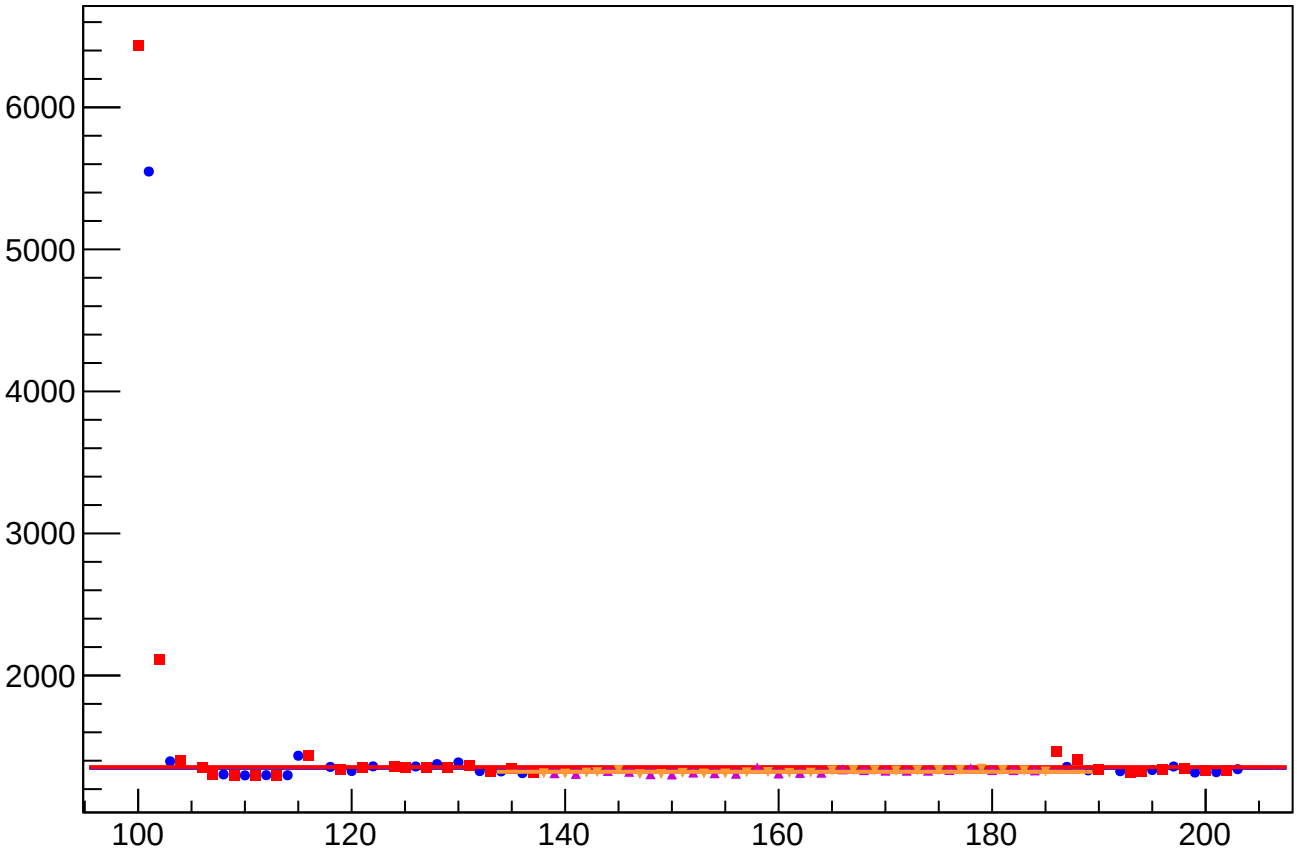
Left: -134.966+/-215.379 χ^2/NDF: 59.2/47

Right: -75.849+/-260.907 χ^2/NDF: 47.1/51

In: 62.125+/-238.853 χ^2/NDF:56.1/46

Out: -273.126+/-231.130 χ^2/NDF:49.2/52

All: -111.008+/-166.097 χ^2/NDF: 106.3/99



Right In: 1349.849+/-0.266 χ^2/NDF: 763912.7/23

Left Out: 1322.369+/-0.212 χ^2/NDF:2931.9/24

Right Out: 1354.558+/-0.256 χ^2/NDF: 217195.9/27

Left In: 1323.337+/-0.218 χ^2/NDF:3856.3/22

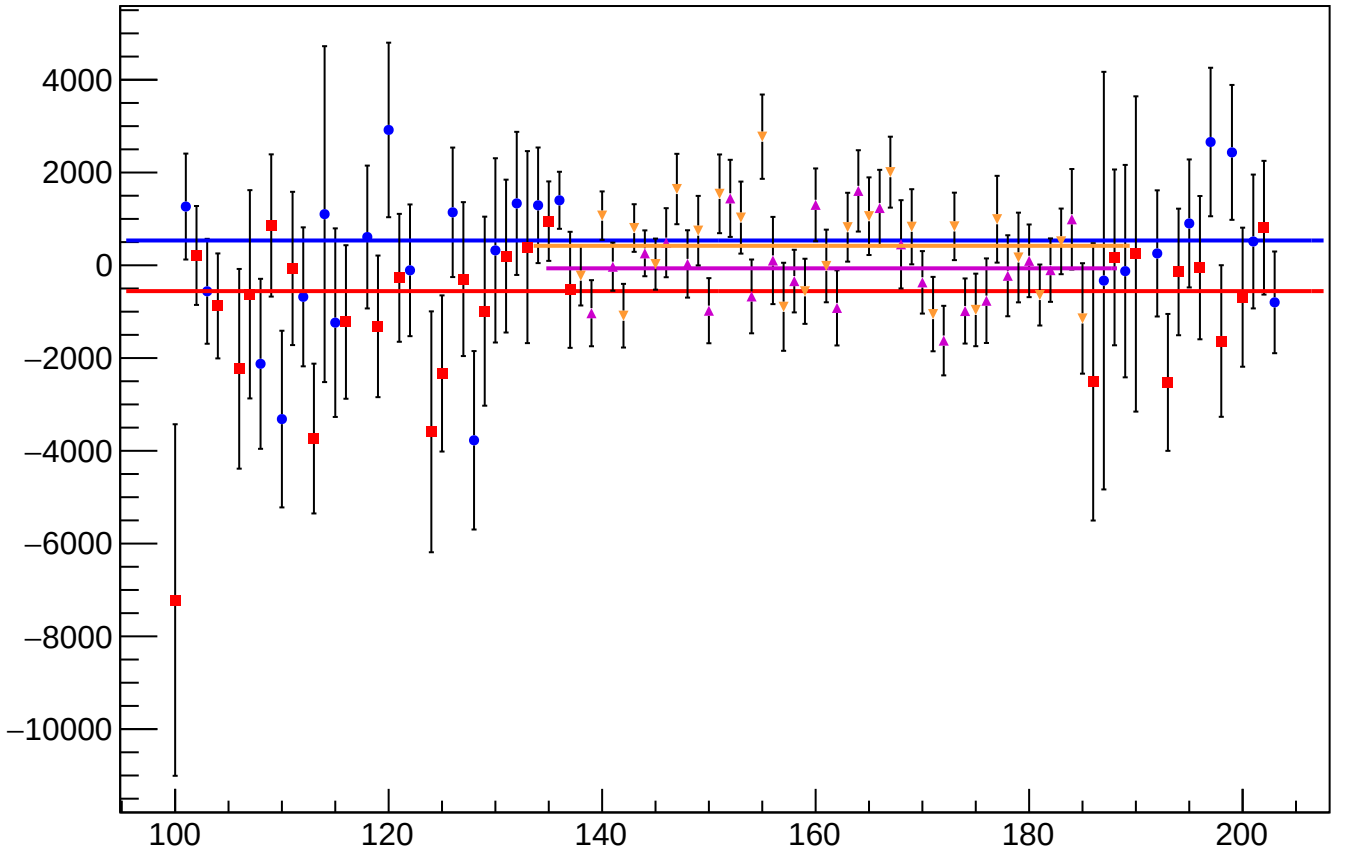
Left: 1322.839+/-0.152 χ^2/NDF: 6798.3/47

Right: 1352.297+/-0.184 χ^2/NDF: 981271.2/51

In: 1334.007+/-0.169 χ^2/NDF:773694.3/46

Out: 1335.500+/-0.163 χ^2/NDF:229497.0/52

All: 1334.778+/-0.117 χ^2/NDF: 1003231.7/99



Right In: 534.823+/-284.998 χ^2/NDF: 23.8/23

Left Out: 419.899+/-146.436 χ^2/NDF:41.5/24

Right Out: -556.873+/-294.360 χ^2/NDF: 19.6/27

Left In: -65.405+/-154.224 χ^2/NDF:27.0/22

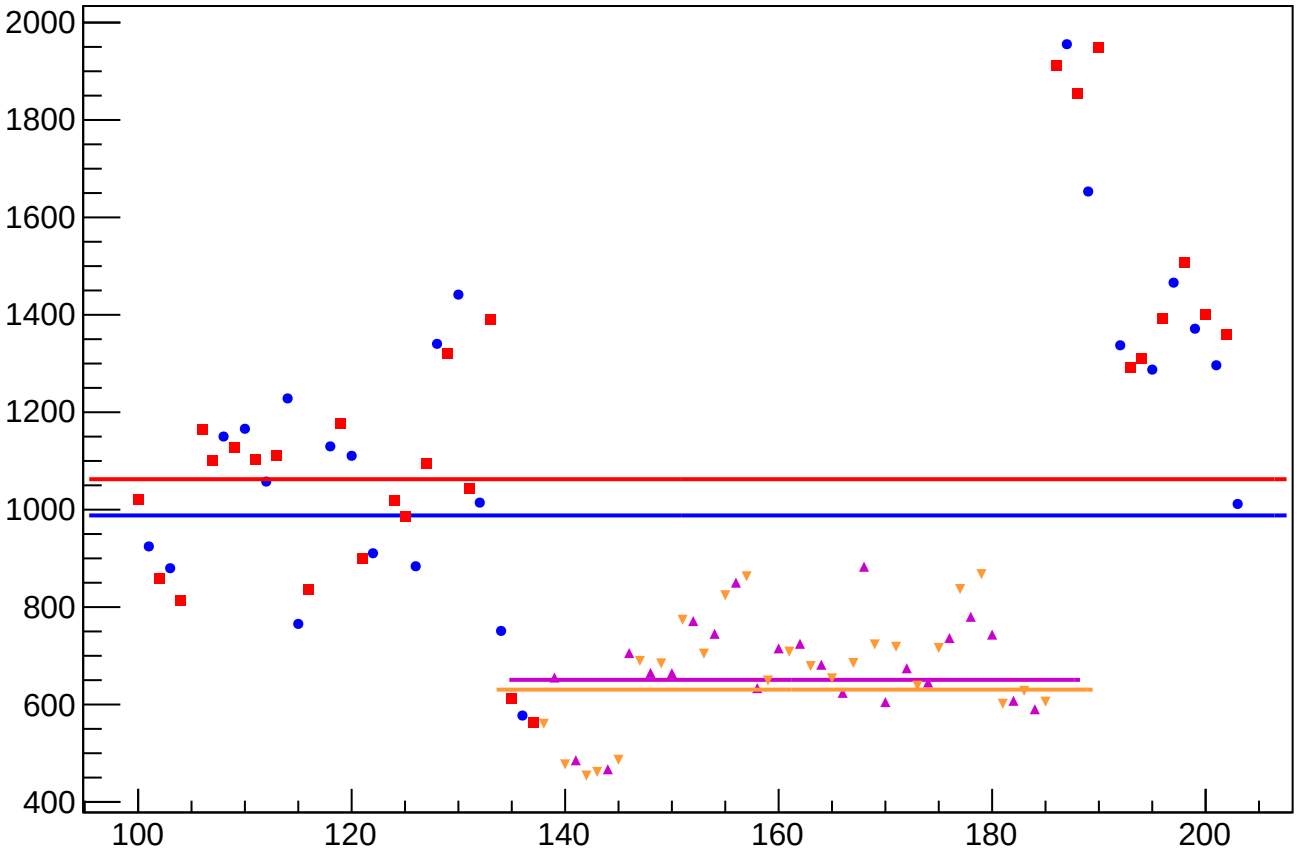
Left: 189.810+/-106.192 χ^2/NDF: 73.8/47

Right: 6.611+/-204.754 χ^2/NDF: 50.5/51

In: 70.550+/-135.638 χ^2/NDF:54.3/46

Out: 226.124+/-131.109 χ^2/NDF:69.9/52

All: 150.978+/-94.268 χ^2/NDF: 124.9/99



Right In: 988.173+/-0.202 χ^2/NDF: 2170504.5/23

Left Out: 630.592+/-0.104 χ^2/NDF:1328590.6/24

Right Out: 1062.566+/-0.208 χ^2/NDF: 2407453.1/27

Left In: 650.637+/-0.109 χ^2/NDF:922078.1/22

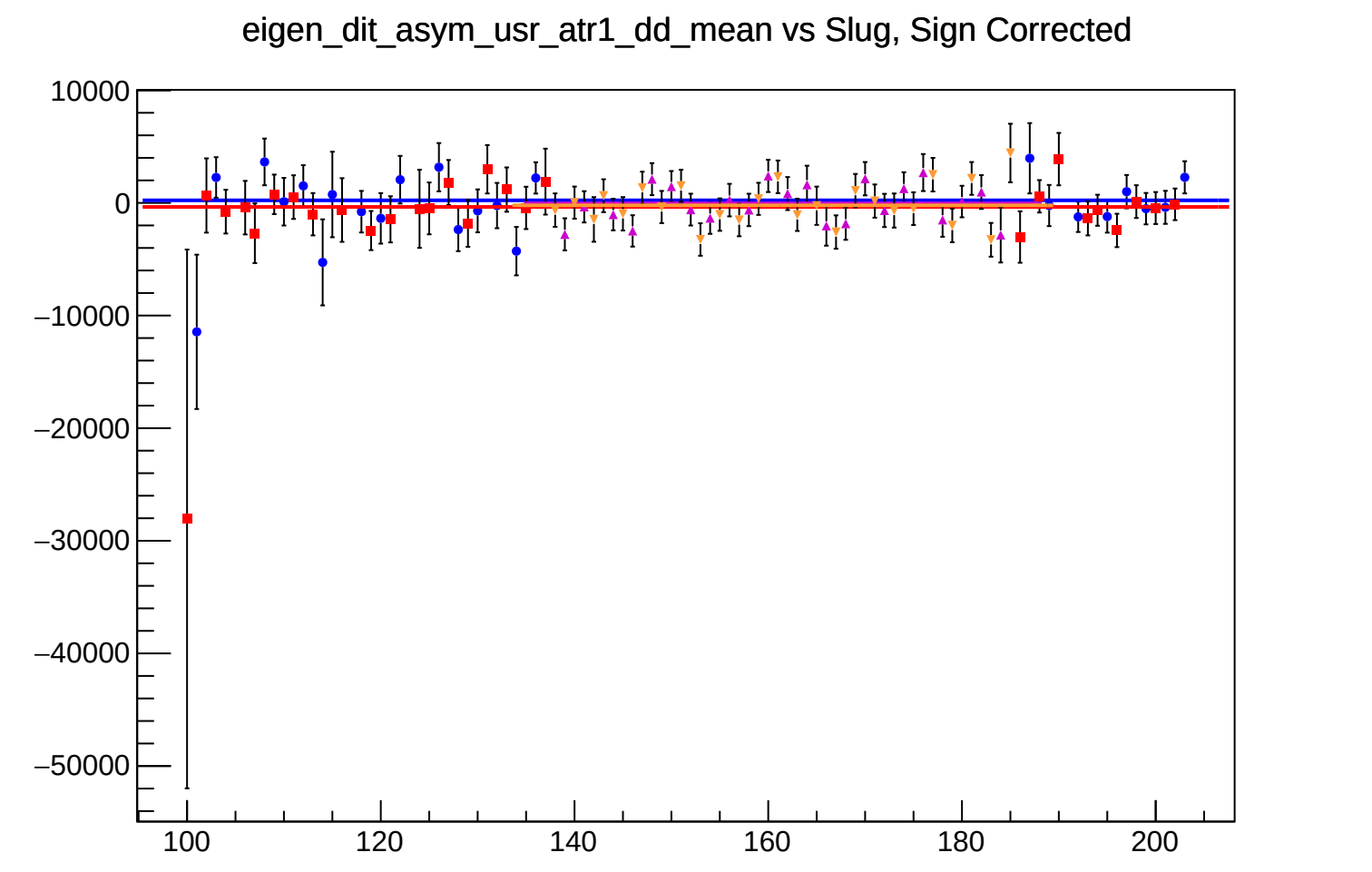
Left: 640.095+/-0.075 χ^2/NDF: 2268436.2/47

Right: 1024.167+/-0.145 χ^2/NDF: 4643892.5/51

In: 727.091+/-0.096 χ^2/NDF:5262501.4/46

Out: 716.288+/-0.093 χ^2/NDF:7188707.9/52

All: 721.506+/-0.067 χ^2/NDF: 12457767.7/99



Right In: 228.974+/-376.512 χ^2/NDF: 28.0/23

Left Out: -215.035+/-300.379 χ^2/NDF:31.3/24

Right Out: -357.442+/-361.880 χ^2/NDF: 17.8/27

Left In: -50.244+/-308.986 χ^2/NDF:27.8/22

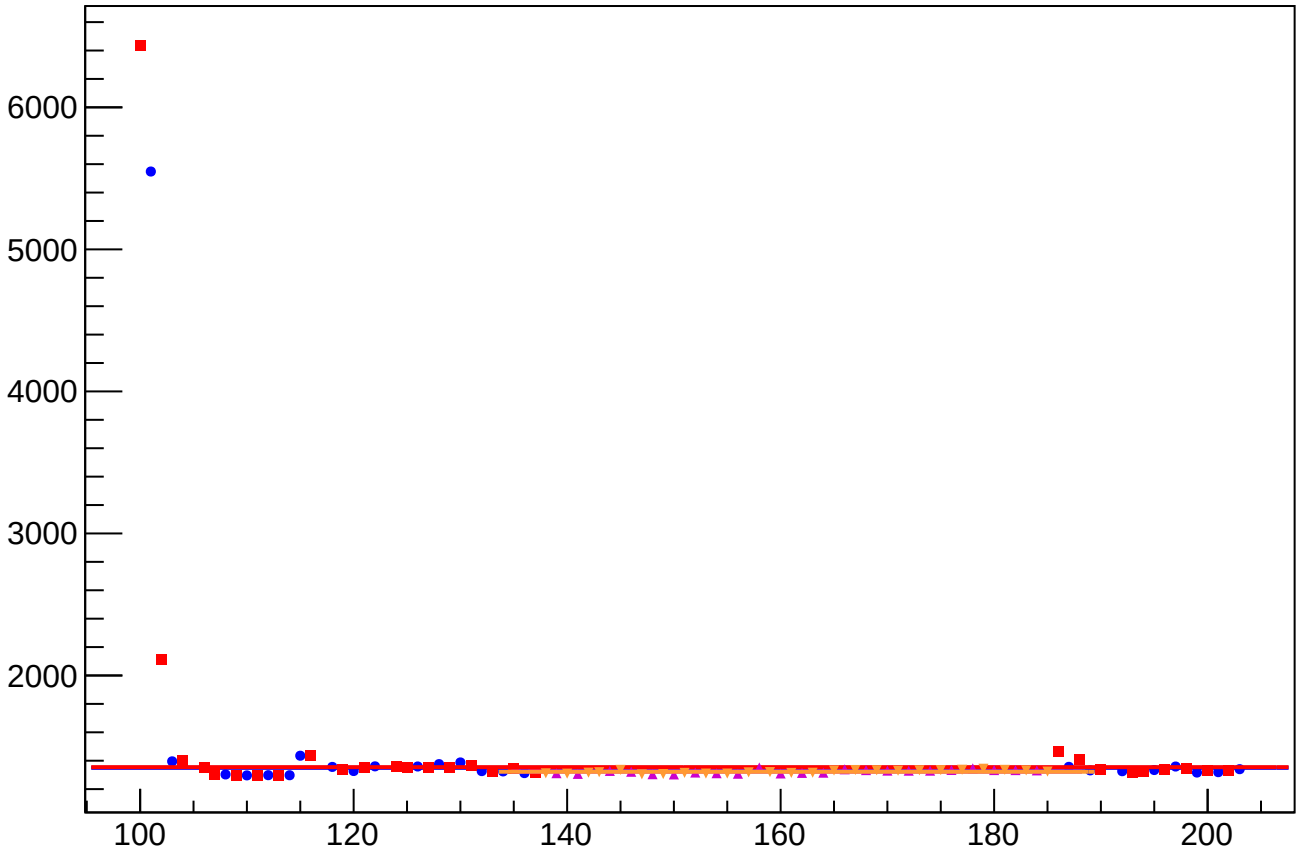
Left: -134.967+/-215.379 χ^2/NDF: 59.2/47

Right: -75.850+/-260.908 χ^2/NDF: 47.1/51

In: 62.125+/-238.853 χ^2/NDF:56.1/46

Out: -273.127+/-231.130 χ^2/NDF:49.2/52

All: -111.008+/-166.097 χ^2/NDF: 106.3/99



Right In: 1349.849+/-0.266 χ^2/NDF: 763912.6/23

Left Out: 1322.369+/-0.212 χ^2/NDF:2931.9/24

Right Out: 1354.558+/-0.256 χ^2/NDF: 217195.8/27

Left In: 1323.337+/-0.218 χ^2/NDF:3856.3/22

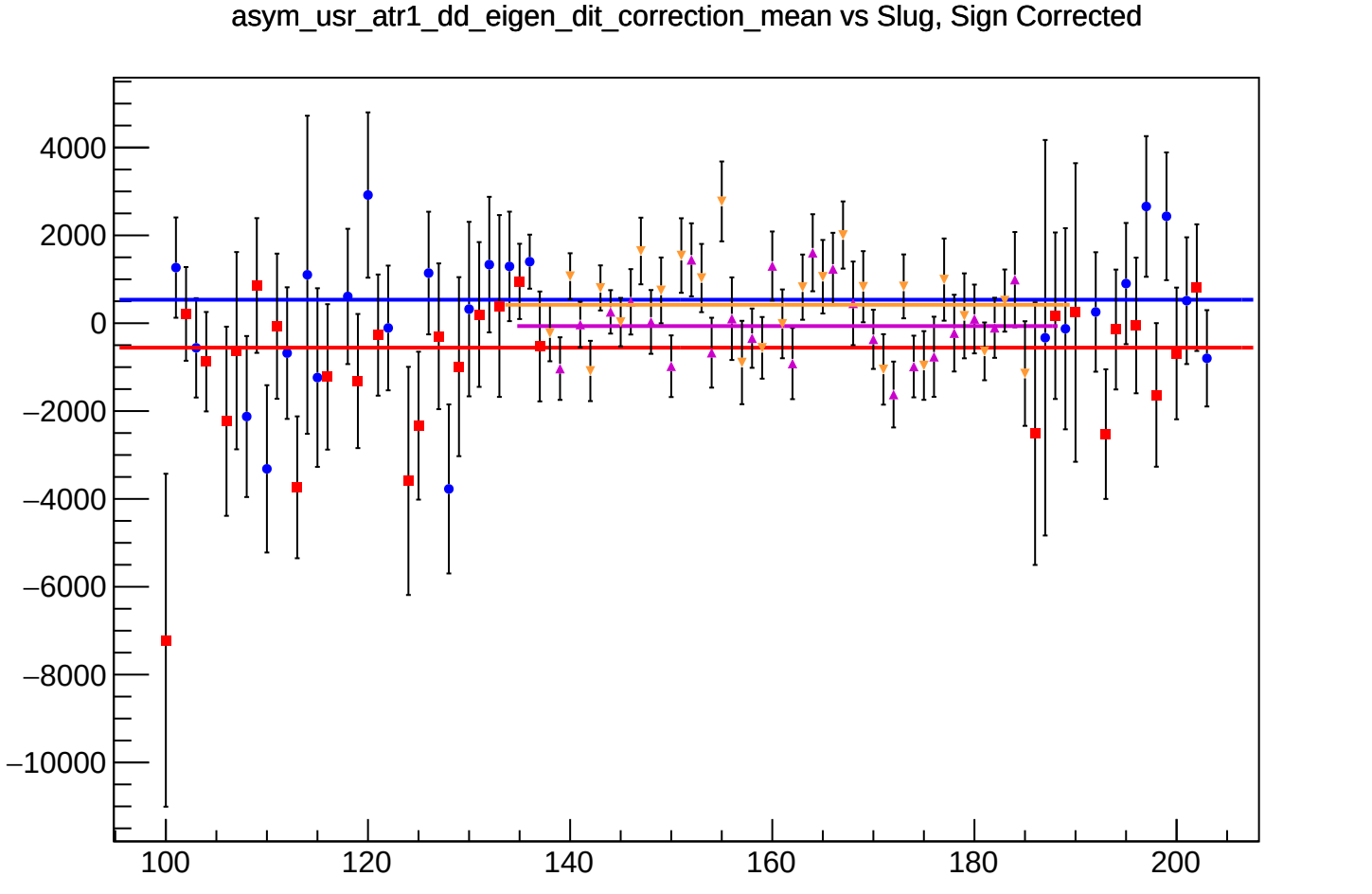
Left: 1322.839+/-0.152 χ^2/NDF: 6798.3/47

Right: 1352.297+/-0.184 χ^2/NDF: 981271.1/51

In: 1334.007+/-0.169 χ^2/NDF:773694.3/46

Out: 1335.500+/-0.163 χ^2/NDF:229496.9/52

All: 1334.778+/-0.117 χ^2/NDF: 1003231.5/99



Right In: 534.821+/-284.998 χ^2/NDF: 23.8/23

Left Out: 419.899+/-146.436 χ^2/NDF:41.5/24

Right Out: -556.873+/-294.360 χ^2/NDF: 19.6/27

Left In: -65.405+/-154.225 χ^2/NDF:27.0/22

Left: 189.810+/-106.193 χ^2/NDF: 73.8/47

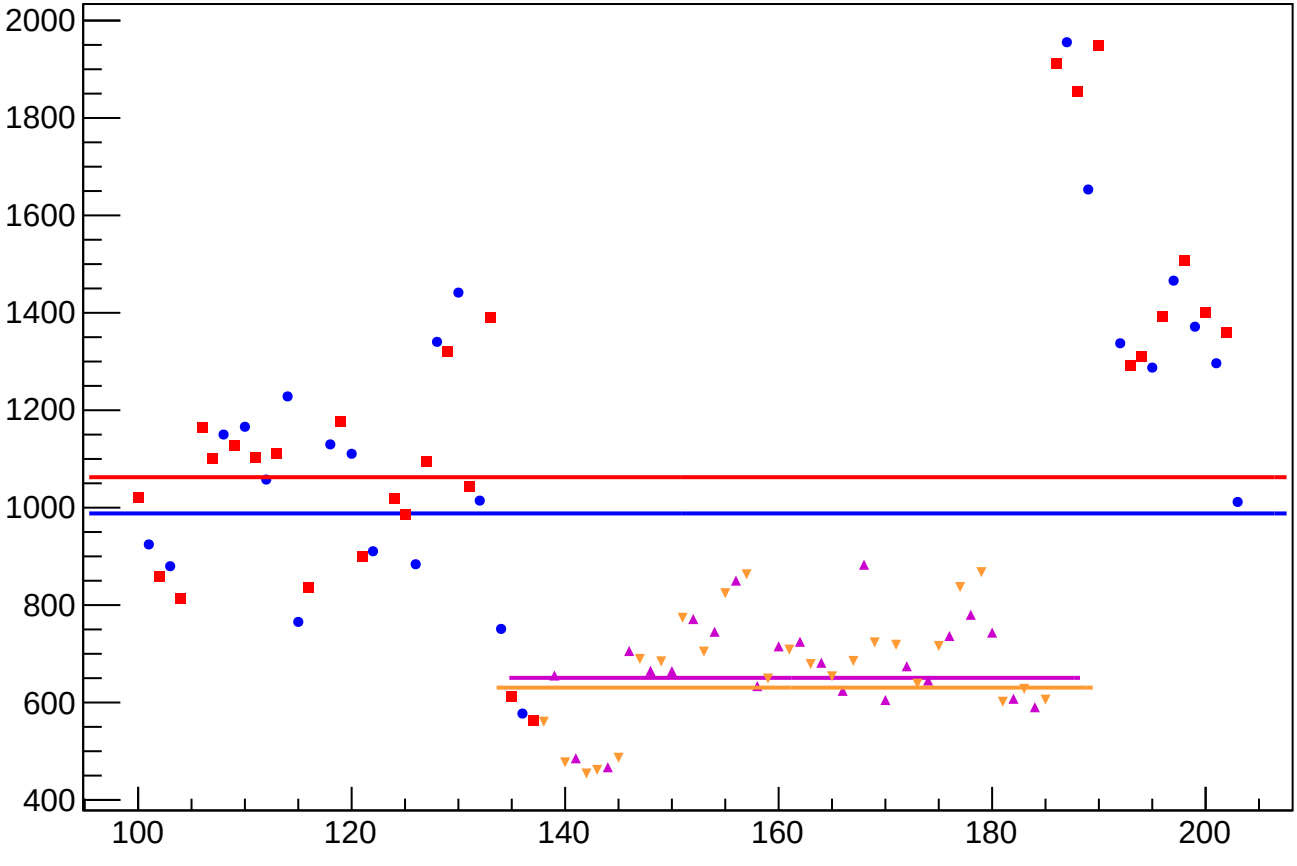
Right: 6.610+/-204.753 χ^2/NDF: 50.5/51

In: 70.550+/-135.638 χ^2/NDF:54.3/46

Out: 226.123+/-131.109 χ^2/NDF:69.9/52

All: 150.978+/-94.268 χ^2/NDF: 124.9/99

asym_usr_atr1_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 988.171+/-0.202 χ^2/NDF: 2170513.8/23

Left Out: 630.592+/-0.104 χ^2/NDF:1328610.2/24

Right Out: 1062.564+/-0.208 χ^2/NDF: 2407460.4/27

Left In: 650.638+/-0.109 χ^2/NDF:922087.6/22

Left: 640.096+/-0.075 χ^2/NDF: 2268466.1/47

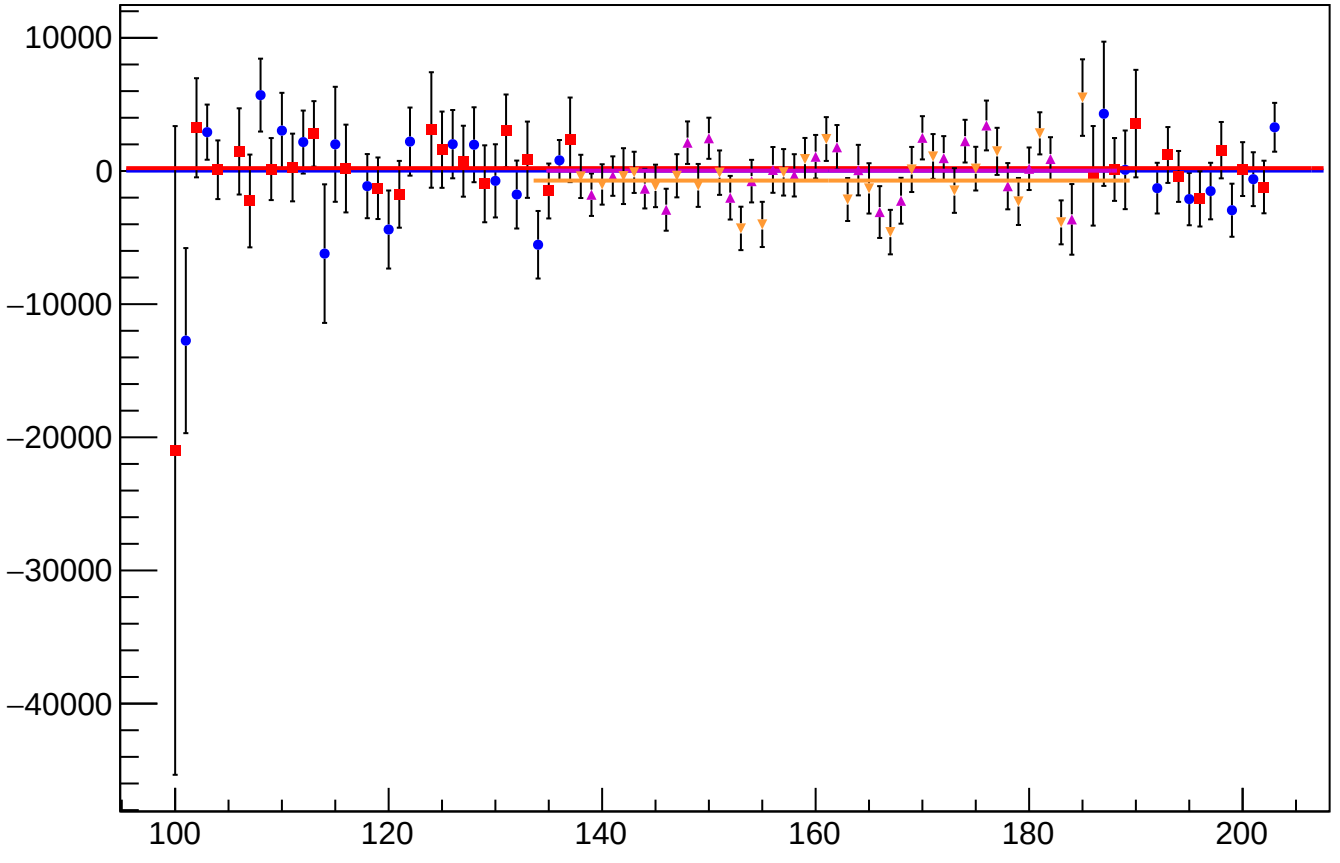
Right: 1024.166+/-0.145 χ^2/NDF: 4643909.6/51

In: 727.091+/-0.096 χ^2/NDF:5262485.1/46

Out: 716.288+/-0.093 χ^2/NDF:7188704.1/52

All: 721.507+/-0.067 χ^2/NDF: 12457747.9/99

asym_usr_atr1_dd_mean vs Slug, Sign Corrected



Right In: 32.387+/-495.635 χ^2/NDF: 31.4/23

Left Out: -718.291+/-337.578 χ^2/NDF:37.7/24

Right Out: 214.347+/-488.176 χ^2/NDF: 10.5/27

Left In: 27.514+/-347.415 χ^2/NDF:28.0/22

Left: -356.097+/-242.106 χ^2/NDF: 68.1/47

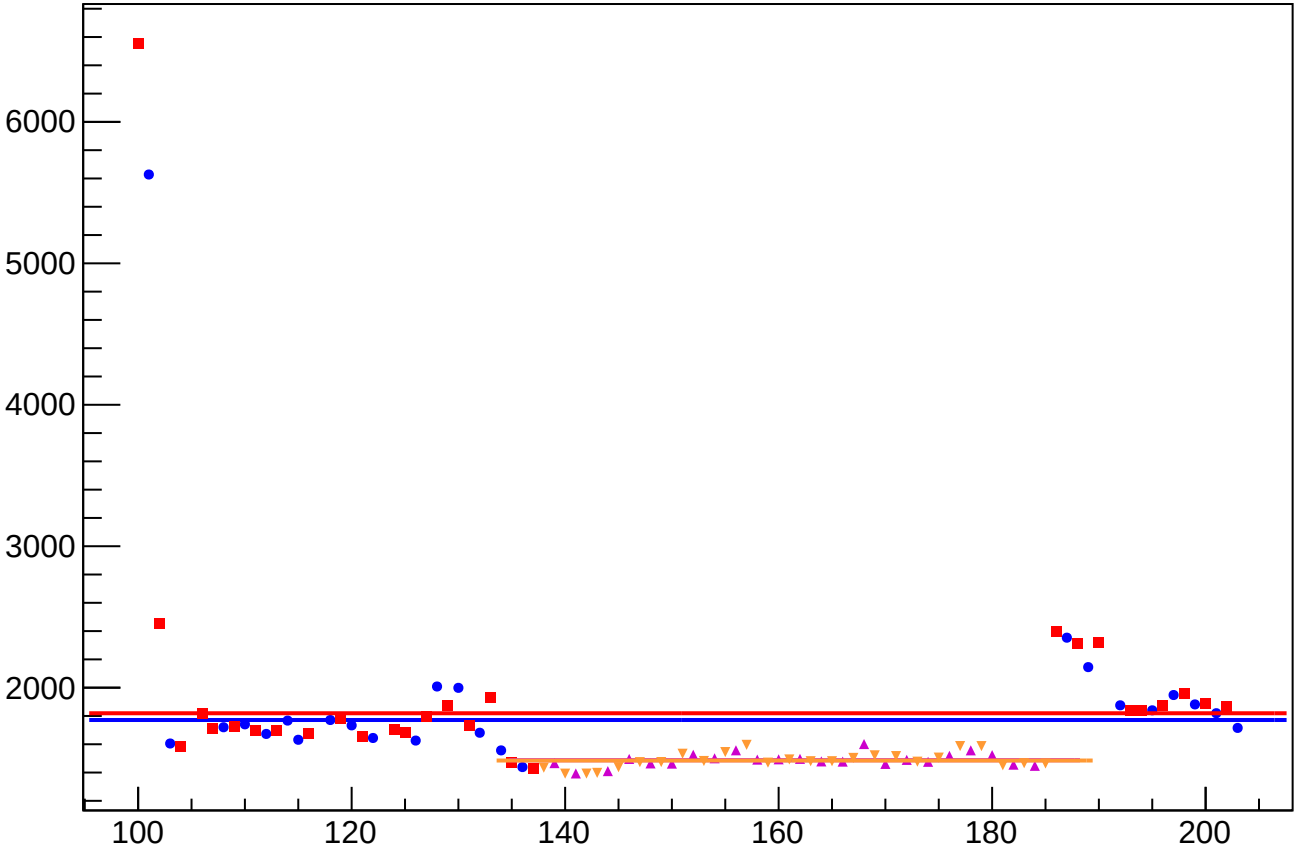
Right: 124.747+/-347.800 χ^2/NDF: 42.0/51

In: 29.120+/-284.486 χ^2/NDF:59.4/46

Out: -416.589+/-277.658 χ^2/NDF:50.7/52

All: -199.148+/-198.704 χ^2/NDF: 111.4/99

asym_usr_atr1_dd_rms vs Slug, Sign Corrected



Right In: 1771.438+/-0.350 χ^2/NDF: 873215.8/23

Left Out: 1484.960+/-0.239 χ^2/NDF:50905.1/24

Right Out: 1819.192+/-0.345 χ^2/NDF: 462208.3/27

Left In: 1487.112+/-0.246 χ^2/NDF:34817.2/22

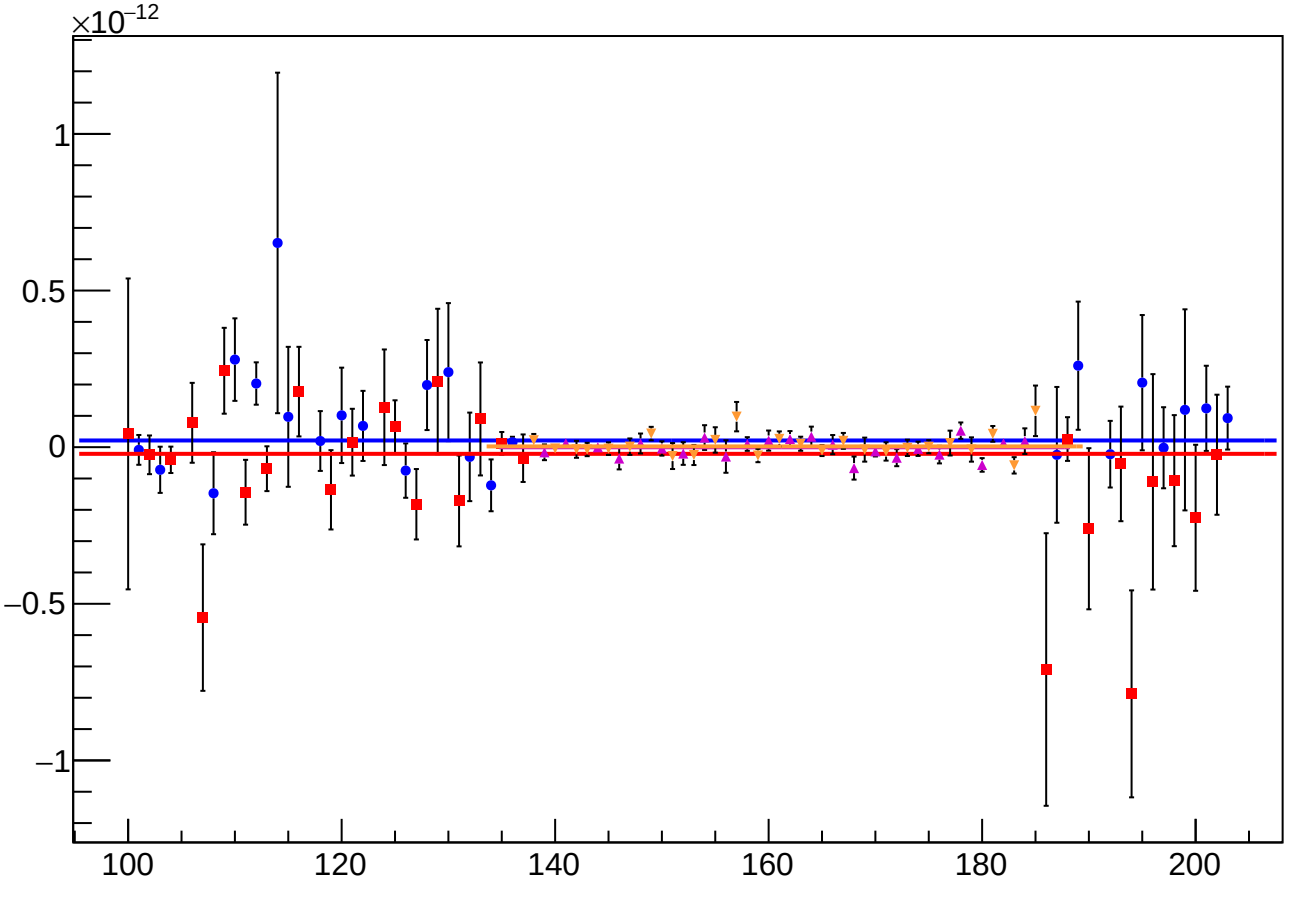
Left: 1486.005+/-0.171 χ^2/NDF: 85761.8/47

Right: 1795.677+/-0.246 χ^2/NDF: 1344847.9/51

In: 1580.786+/-0.201 χ^2/NDF:1349365.5/46

Out: 1593.082+/-0.196 χ^2/NDF:1147339.2/52

All: 1587.083+/-0.141 χ^2/NDF: 2498618.4/99



Right In: 0.000+/-0.000 χ^2/NDF: 27.1/23

Left Out: 0.000+/-0.000 χ^2/NDF:25.4/24

Right Out: -0.000+/-0.000 χ^2/NDF: 31.6/27

Left In: -0.000+/-0.000 χ^2/NDF:24.9/22

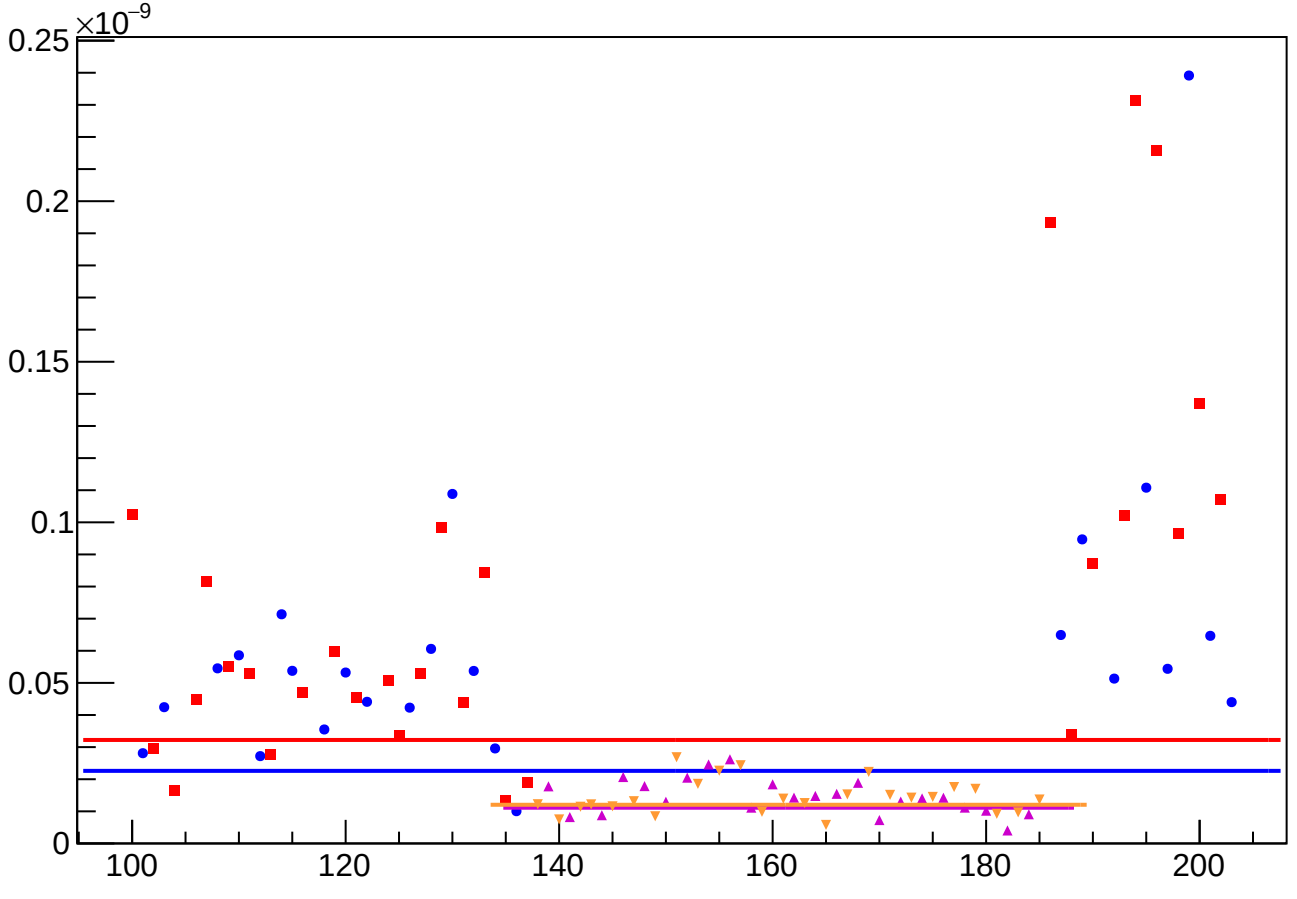
Left: 0.000+/-0.000 χ^2/NDF: 50.5/47

Right: 0.000+/-0.000 χ^2/NDF: 62.3/51

In: 0.000+/-0.000 χ^2/NDF:54.2/46

Out: 0.000+/-0.000 χ^2/NDF:58.6/52

All: 0.000+/-0.000 χ^2/NDF: 112.9/99



Right In: 0.000+/-0.000 χ^2/NDF: 4490088.0/23

Left Out: 0.000+/-0.000 χ^2/NDF:1520224.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 4628342.8/27

Left In: 0.000+/-0.000 χ^2/NDF:2209676.2/22

Left: 0.000+/-0.000 χ^2/NDF: 3765014.8/47

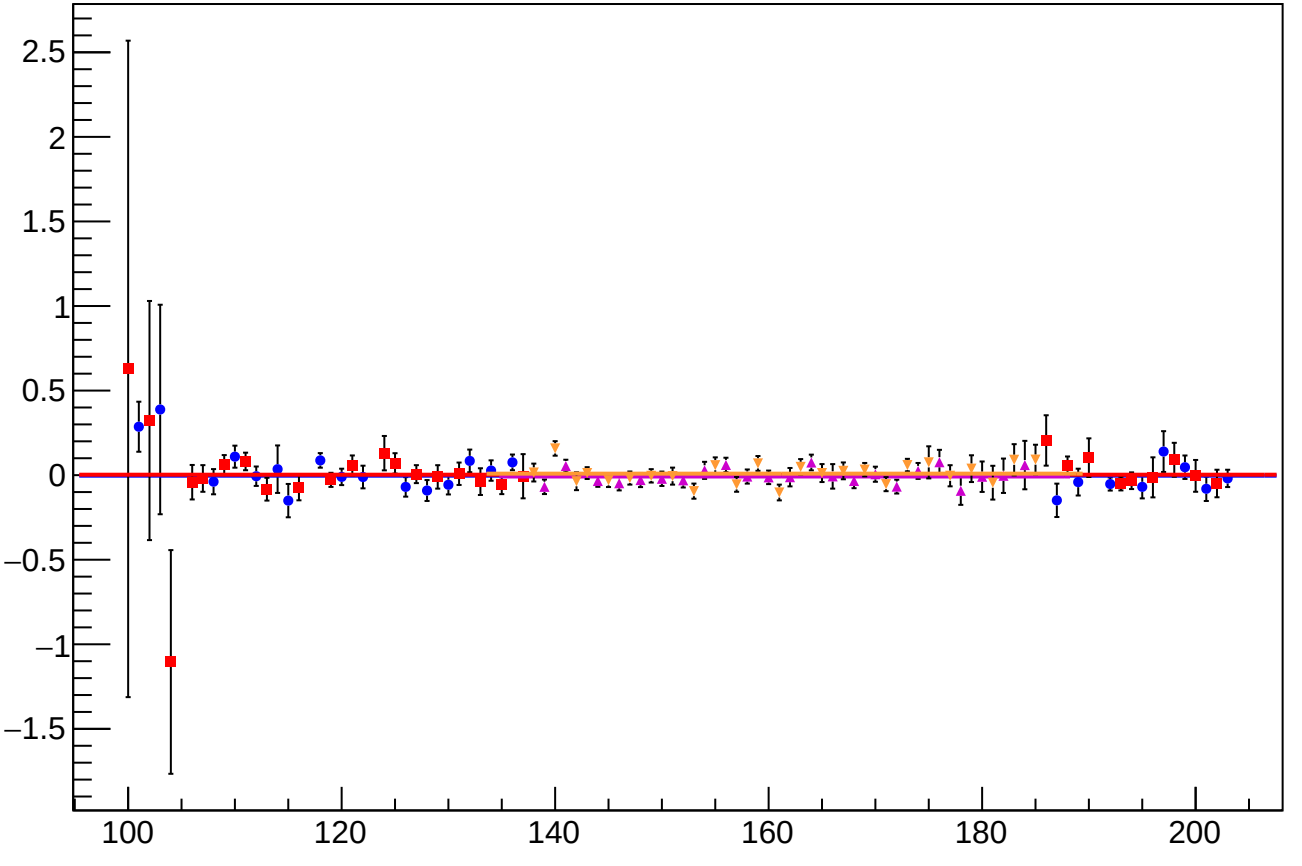
Right: 0.000+/-0.000 χ^2/NDF: 9477276.9/51

In: 0.000+/-0.000 χ^2/NDF:7924842.1/46

Out: 0.000+/-0.000 χ^2/NDF:8481004.9/52

All: 0.000+/-0.000 χ^2/NDF: 16460005.9/99

asym_usr_atr1_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.003+/-0.013 χ^2/NDF: 31.4/23

Left Out: 0.009+/-0.010 χ^2/NDF:38.6/24

Right Out: 0.003+/-0.013 χ^2/NDF: 22.2/27

Left In: -0.008+/-0.010 χ^2/NDF:18.9/22

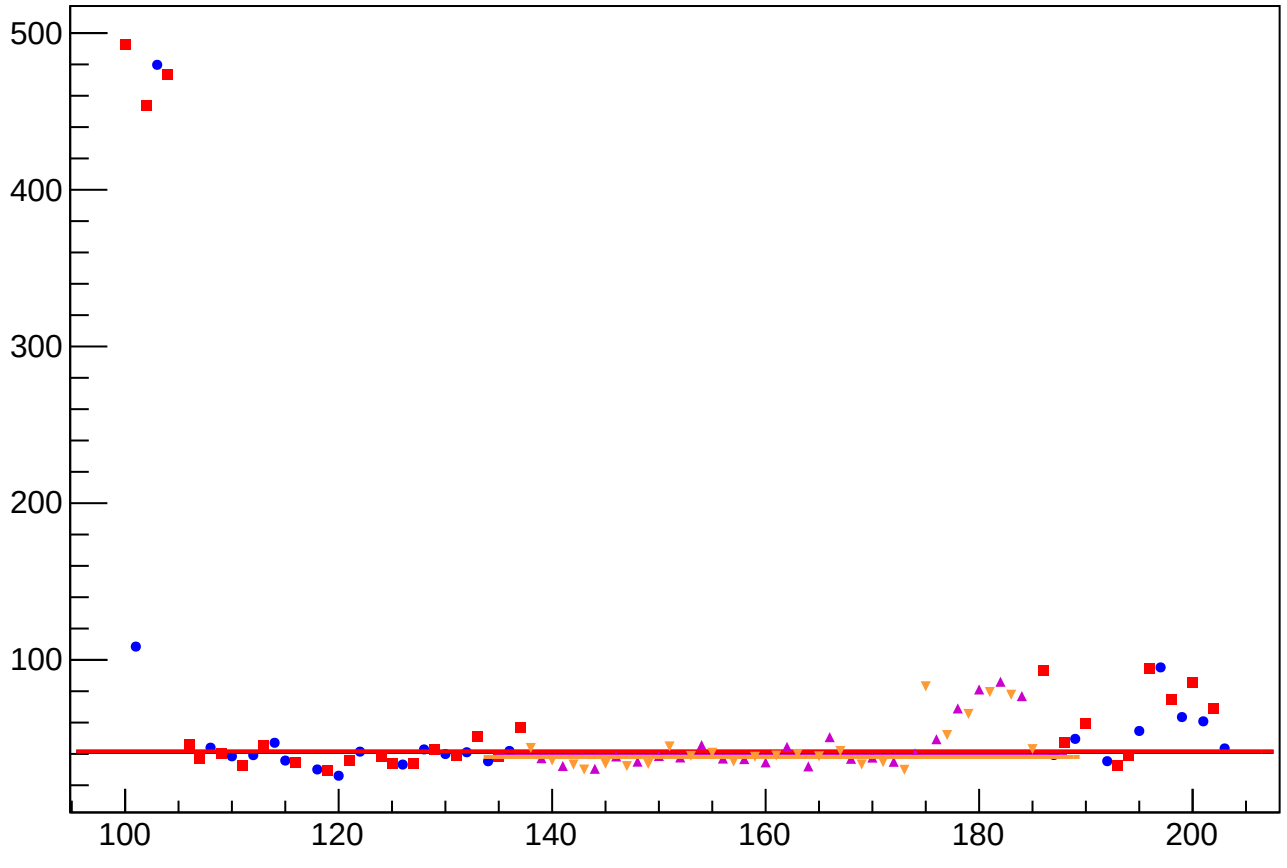
Left: 0.001+/-0.007 χ^2/NDF: 59.0/47

Right: -0.000+/-0.009 χ^2/NDF: 53.7/51

In: -0.006+/-0.008 χ^2/NDF:50.4/46

Out: 0.007+/-0.008 χ^2/NDF:60.9/52

All: 0.000+/-0.006 χ^2/NDF: 112.6/99



Right In: 41.253+/-0.009 χ^2/NDF: 2729772.1/23

Left Out: 38.067+/-0.007 χ^2/NDF:1967115.3/24

Right Out: 41.638+/-0.009 χ^2/NDF: 3778260.2/27

Left In: 38.630+/-0.007 χ^2/NDF:1727664.7/22

Left: 38.339+/-0.005 χ^2/NDF: 3698113.4/47

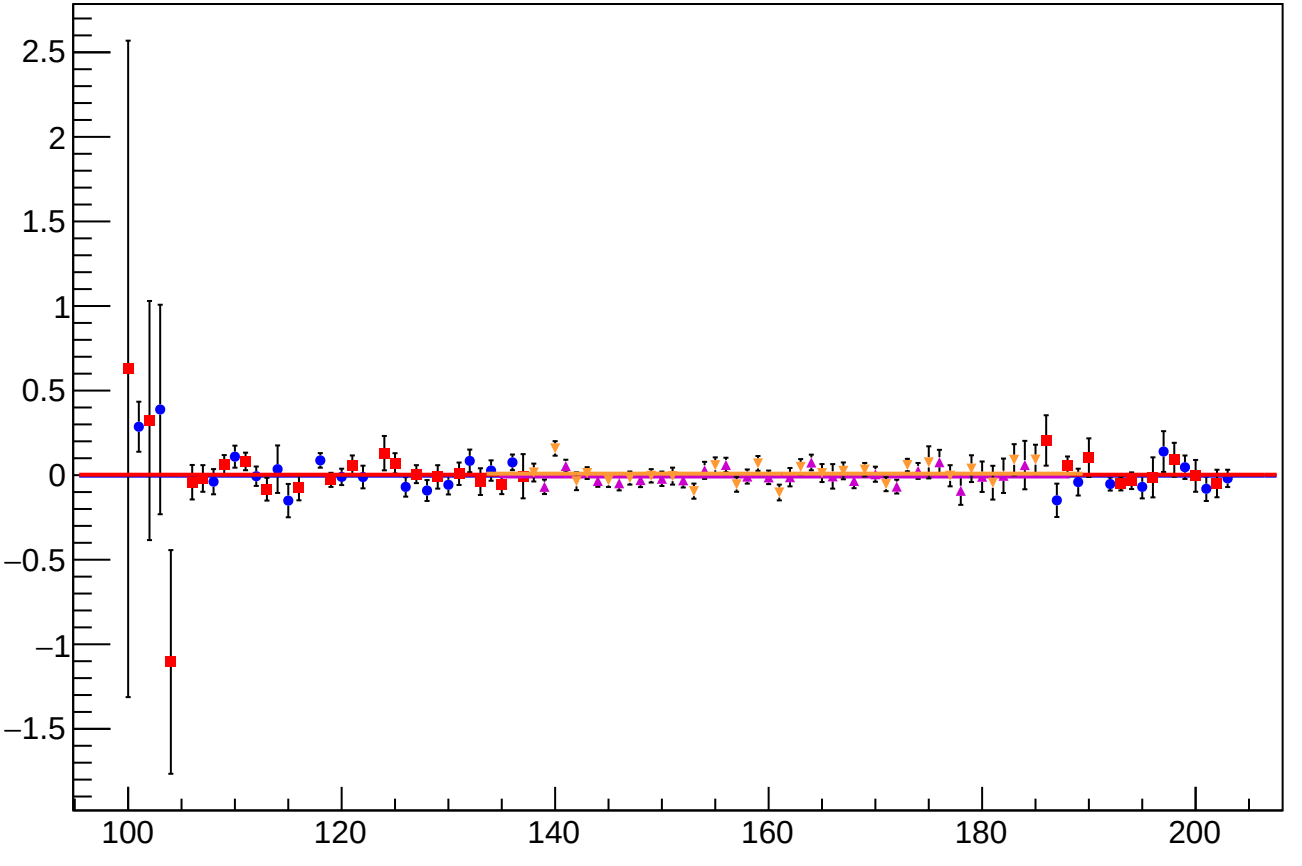
Right: 41.444+/-0.007 χ^2/NDF: 6508906.0/51

In: 39.596+/-0.006 χ^2/NDF:4508999.5/46

Out: 39.313+/-0.005 χ^2/NDF:5842496.1/52

All: 39.452+/-0.004 χ^2/NDF: 10352817.2/99

asym_usr_atr1_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.003+/-0.013 χ^2/NDF: 31.4/23

Left Out: 0.009+/-0.010 χ^2/NDF:38.6/24

Right Out: 0.003+/-0.013 χ^2/NDF: 22.2/27

Left In: -0.008+/-0.010 χ^2/NDF:18.9/22

Left: 0.001+/-0.007 χ^2/NDF: 59.0/47

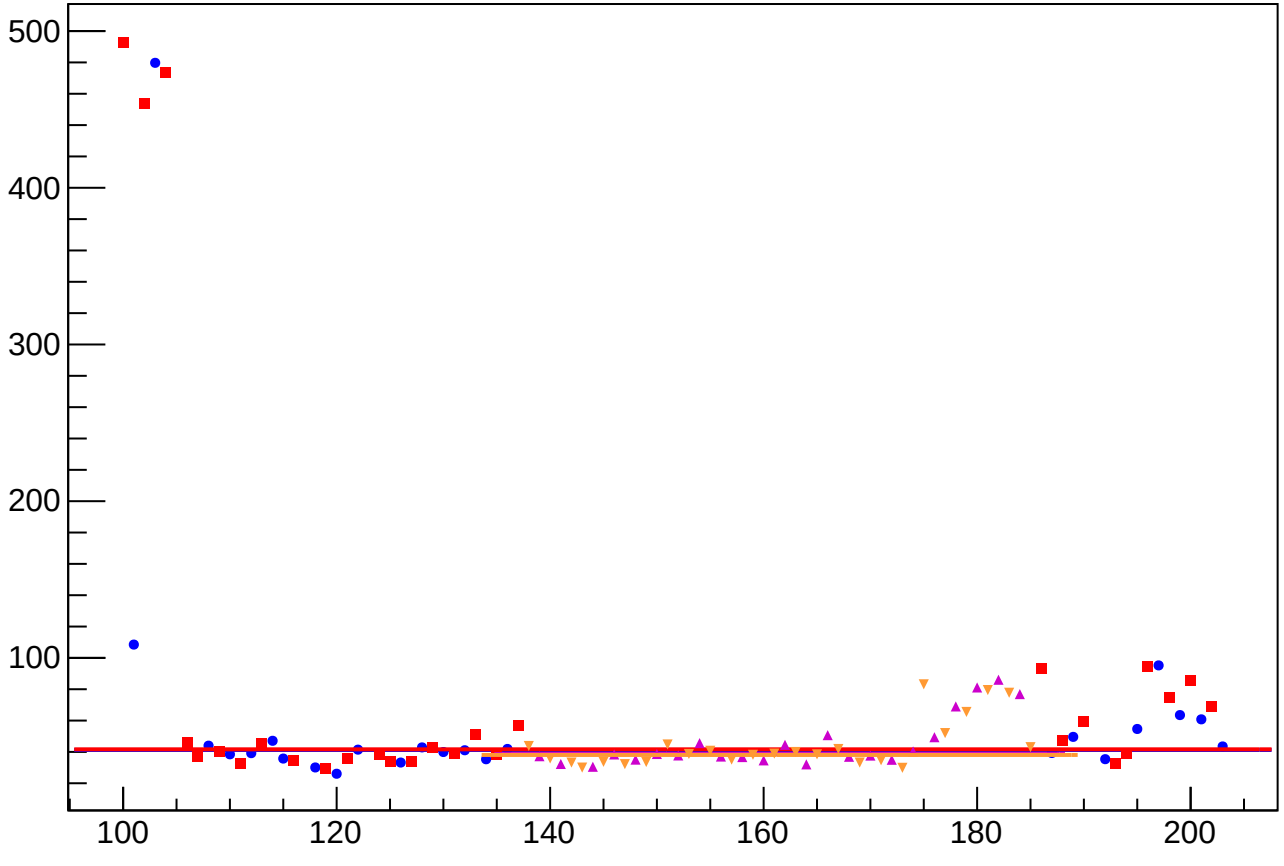
Right: -0.000+/-0.009 χ^2/NDF: 53.7/51

In: -0.006+/-0.008 χ^2/NDF:50.4/46

Out: 0.007+/-0.008 χ^2/NDF:60.9/52

All: 0.000+/-0.006 χ^2/NDF: 112.6/99

asym_usr_atr1_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 41.253+/-0.009 χ^2/NDF: 2729772.1/23

Left Out: 38.067+/-0.007 χ^2/NDF:1967115.3/24

Right Out: 41.638+/-0.009 χ^2/NDF: 3778260.2/27

Left In: 38.630+/-0.007 χ^2/NDF:1727664.7/22

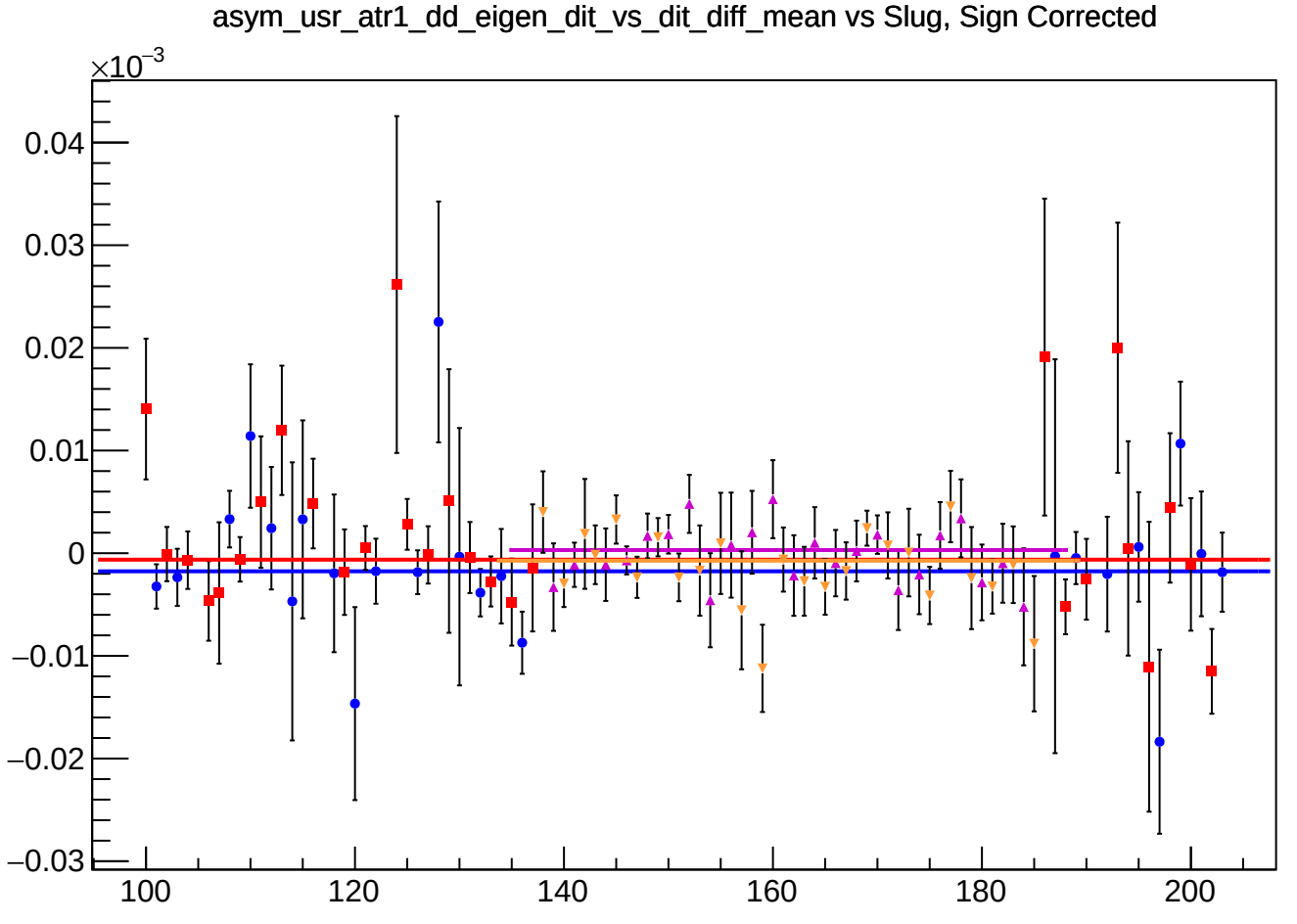
Left: 38.339+/-0.005 χ^2/NDF: 3698113.4/47

Right: 41.444+/-0.007 χ^2/NDF: 6508906.0/51

In: 39.596+/-0.006 χ^2/NDF:4508999.5/46

Out: 39.313+/-0.005 χ^2/NDF:5842496.1/52

All: 39.452+/-0.004 χ^2/NDF: 10352817.2/99



Right In: -0.000+/-0.000 χ^2/NDF: 28.8/23

Left Out: -0.000+/-0.000 χ^2/NDF:26.6/24

Right Out: -0.000+/-0.000 χ^2/NDF: 34.9/27

Left In: 0.000+/-0.000 χ^2/NDF:13.8/22

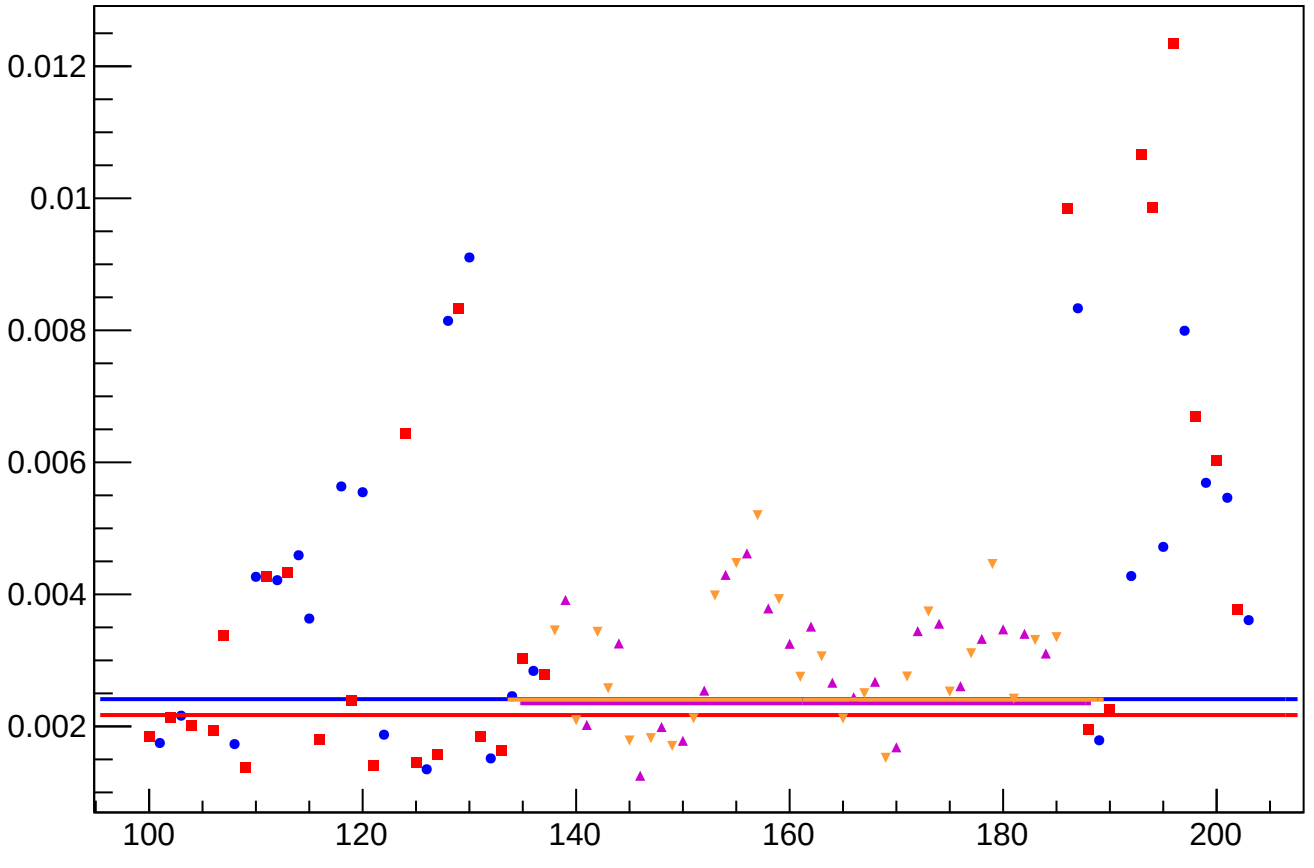
Left: -0.000+/-0.000 χ^2/NDF: 41.9/47

Right: -0.000+/-0.000 χ^2/NDF: 64.8/51

In: -0.000+/-0.000 χ^2/NDF:47.0/46

Out: -0.000+/-0.000 χ^2/NDF:61.4/52

All: -0.000+/-0.000 χ^2/NDF: 108.5/99



Right In: 0.002+/-0.000 χ^2/NDF: 6223220.4/23

Left Out: 0.002+/-0.000 χ^2/NDF:3682960.0/24

Right Out: 0.002+/-0.000 χ^2/NDF: 7543745.8/27

Left In: 0.002+/-0.000 χ^2/NDF:4438139.5/22

Left: 0.002+/-0.000 χ^2/NDF: 8130379.7/47

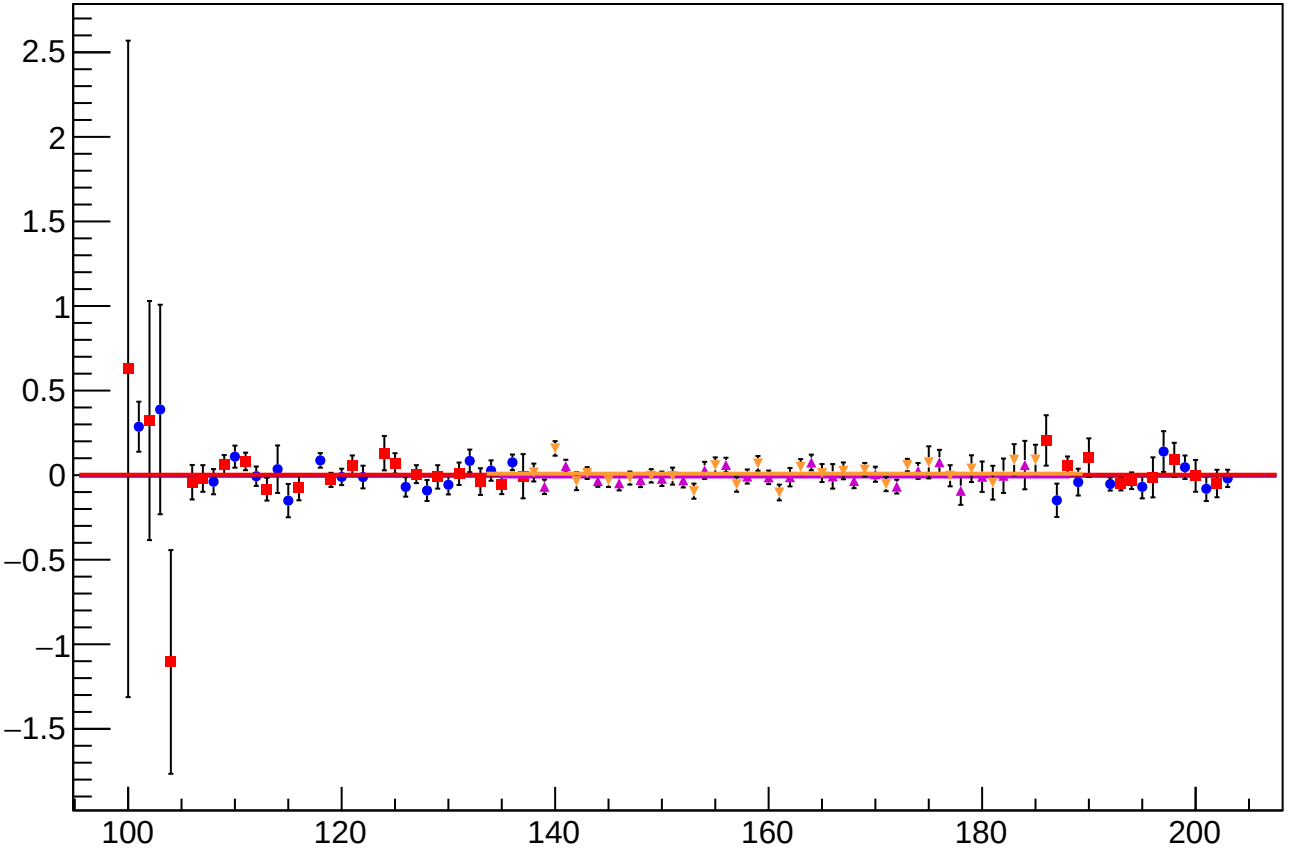
Right: 0.002+/-0.000 χ^2/NDF: 13868758.3/51

In: 0.002+/-0.000 χ^2/NDF:10669317.3/46

Out: 0.002+/-0.000 χ^2/NDF:11355829.9/52

All: 0.002+/-0.000 χ^2/NDF: 22041511.2/99

asym_usr_atr1_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.003+/-0.013 χ^2/NDF: 31.4/23

Left Out: 0.009+/-0.010 χ^2/NDF:38.6/24

Right Out: 0.003+/-0.013 χ^2/NDF: 22.2/27

Left In: -0.008+/-0.010 χ^2/NDF:18.9/22

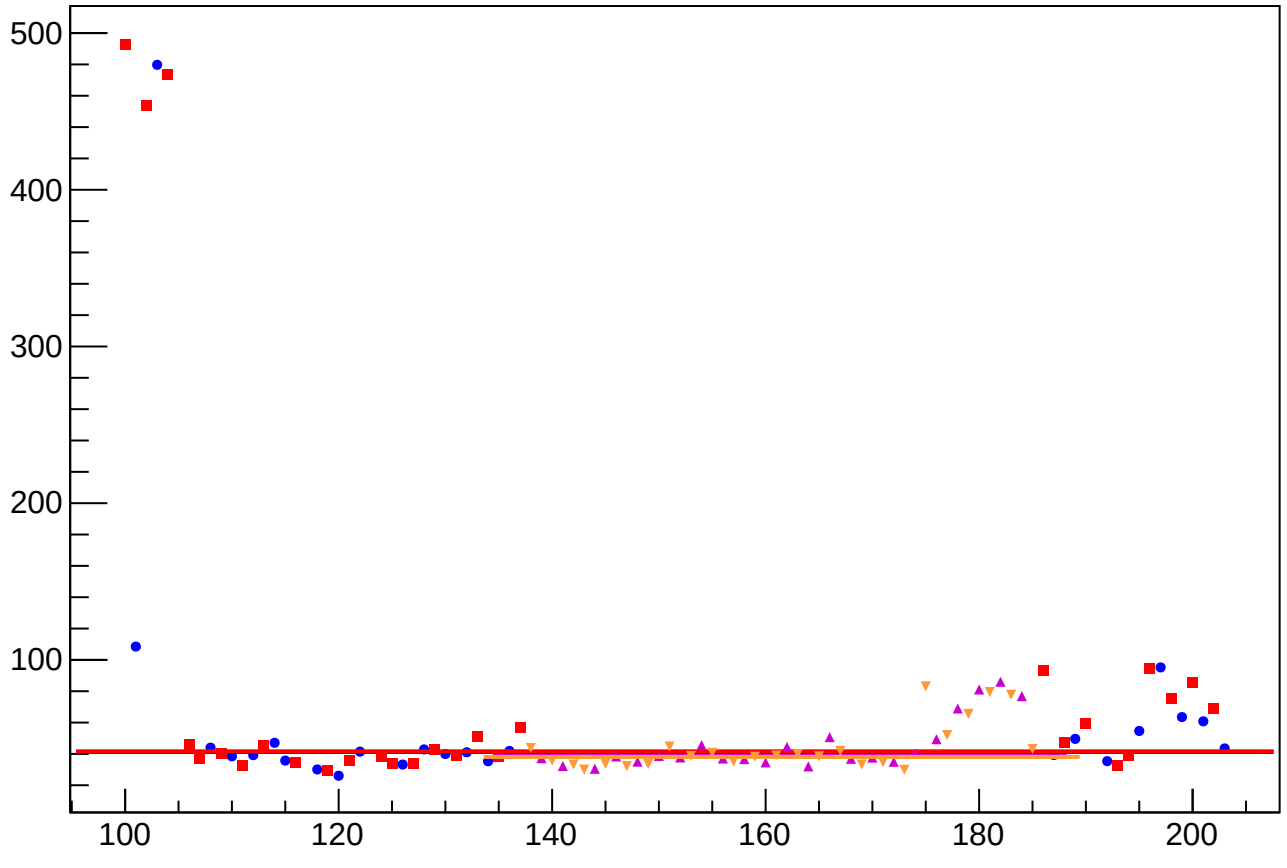
Left: 0.001+/-0.007 χ^2/NDF: 59.0/47

Right: -0.000+/-0.009 χ^2/NDF: 53.7/51

In: -0.006+/-0.008 χ^2/NDF:50.4/46

Out: 0.007+/-0.008 χ^2/NDF:60.9/52

All: 0.000+/-0.006 χ^2/NDF: 112.6/99



Right In: 41.252+/-0.009 χ^2/NDF: 2729911.9/23

Left Out: 38.067+/-0.007 χ^2/NDF:1967110.9/24

Right Out: 41.635+/-0.009 χ^2/NDF: 3778753.5/27

Left In: 38.630+/-0.007 χ^2/NDF:1727699.0/22

Left: 38.338+/-0.005 χ^2/NDF: 3698141.3/47

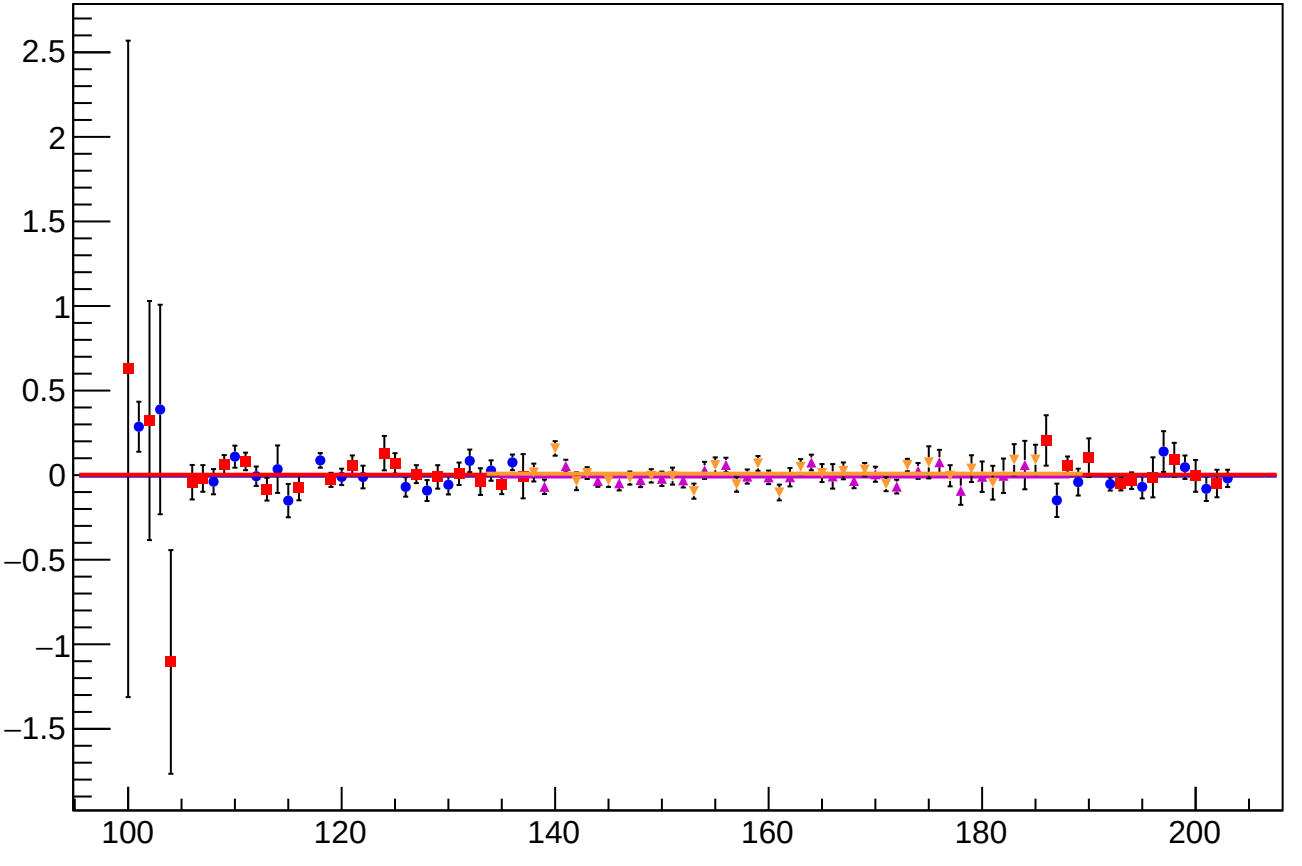
Right: 41.442+/-0.007 χ^2/NDF: 6509526.9/51

In: 39.596+/-0.006 χ^2/NDF:4509157.2/46

Out: 39.312+/-0.005 χ^2/NDF:5842812.4/52

All: 39.451+/-0.004 χ^2/NDF: 10353298.1/99

asym_usr_atr1_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.003+/-0.013 χ^2/NDF: 31.4/23

Left Out: 0.009+/-0.010 χ^2/NDF:38.6/24

Right Out: 0.003+/-0.013 χ^2/NDF: 22.2/27

Left In: -0.008+/-0.010 χ^2/NDF:18.9/22

Left: 0.001+/-0.007 χ^2/NDF: 59.0/47

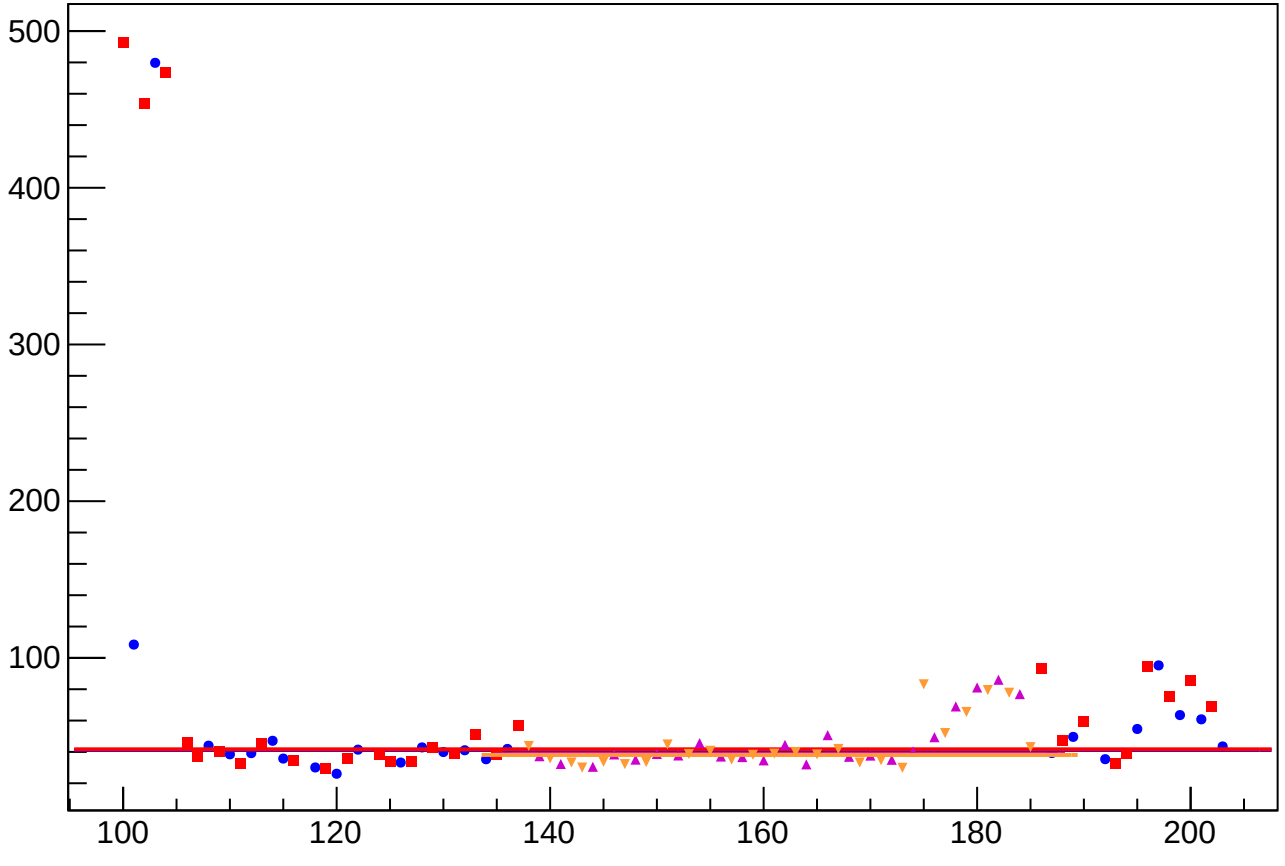
Right: -0.000+/-0.009 χ^2/NDF: 53.7/51

In: -0.006+/-0.008 χ^2/NDF:50.4/46

Out: 0.007+/-0.008 χ^2/NDF:60.9/52

All: 0.000+/-0.006 χ^2/NDF: 112.6/99

asym_usr_atr1_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 41.252+/-0.009 χ^2/NDF: 2729911.9/23

Left Out: 38.067+/-0.007 χ^2/NDF:1967110.9/24

Right Out: 41.635+/-0.009 χ^2/NDF: 3778753.5/27

Left In: 38.630+/-0.007 χ^2/NDF:1727699.0/22

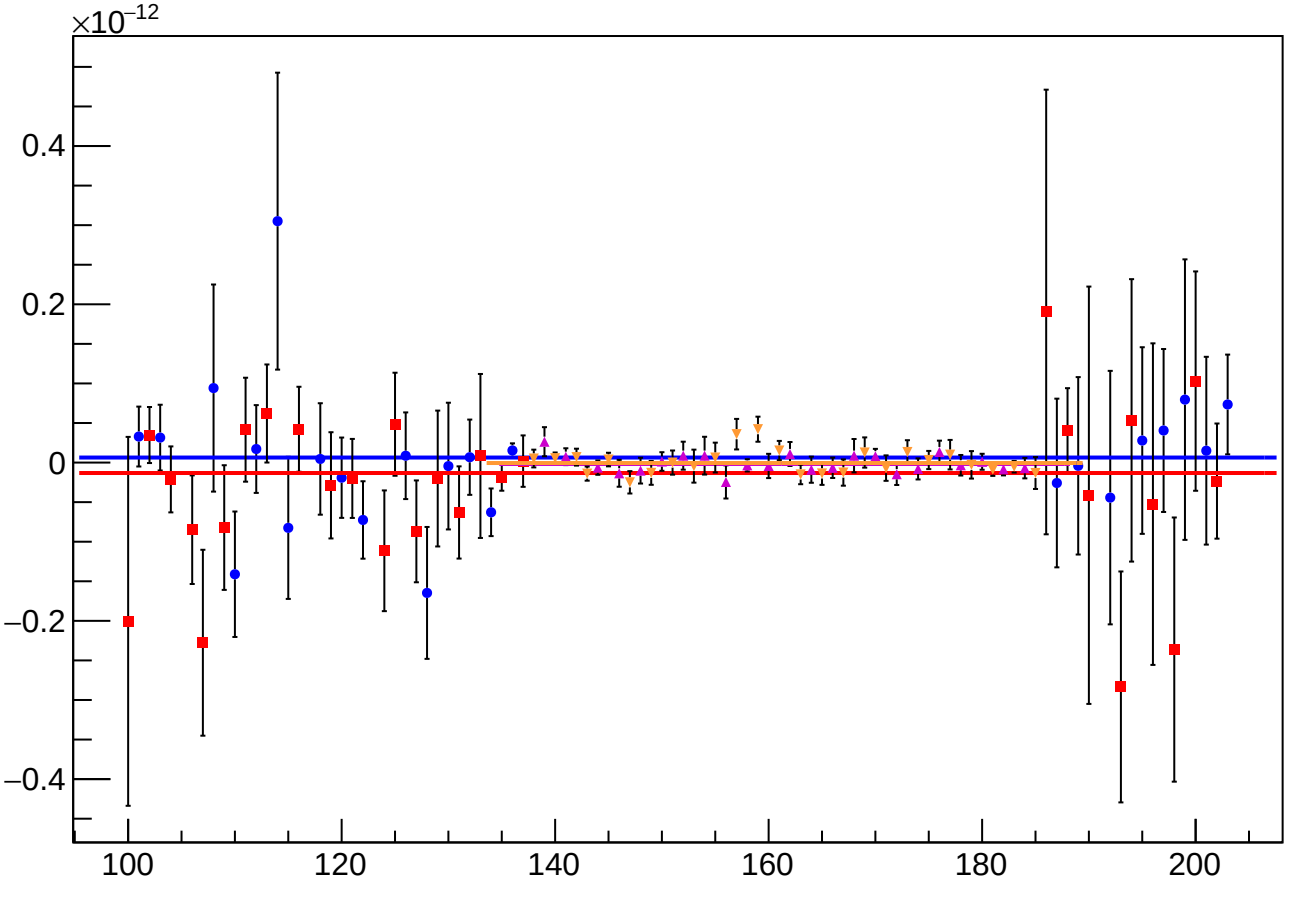
Left: 38.338+/-0.005 χ^2/NDF: 3698141.3/47

Right: 41.442+/-0.007 χ^2/NDF: 6509526.9/51

In: 39.596+/-0.006 χ^2/NDF:4509157.2/46

Out: 39.312+/-0.005 χ^2/NDF:5842812.4/52

All: 39.451+/-0.004 χ^2/NDF: 10353298.1/99



Right In: 0.000+/-0.000 χ^2/NDF: 23.3/23

Left Out: -0.000+/-0.000 χ^2/NDF:26.9/24

Right Out: -0.000+/-0.000 χ^2/NDF: 23.7/27

Left In: -0.000+/-0.000 χ^2/NDF:11.6/22

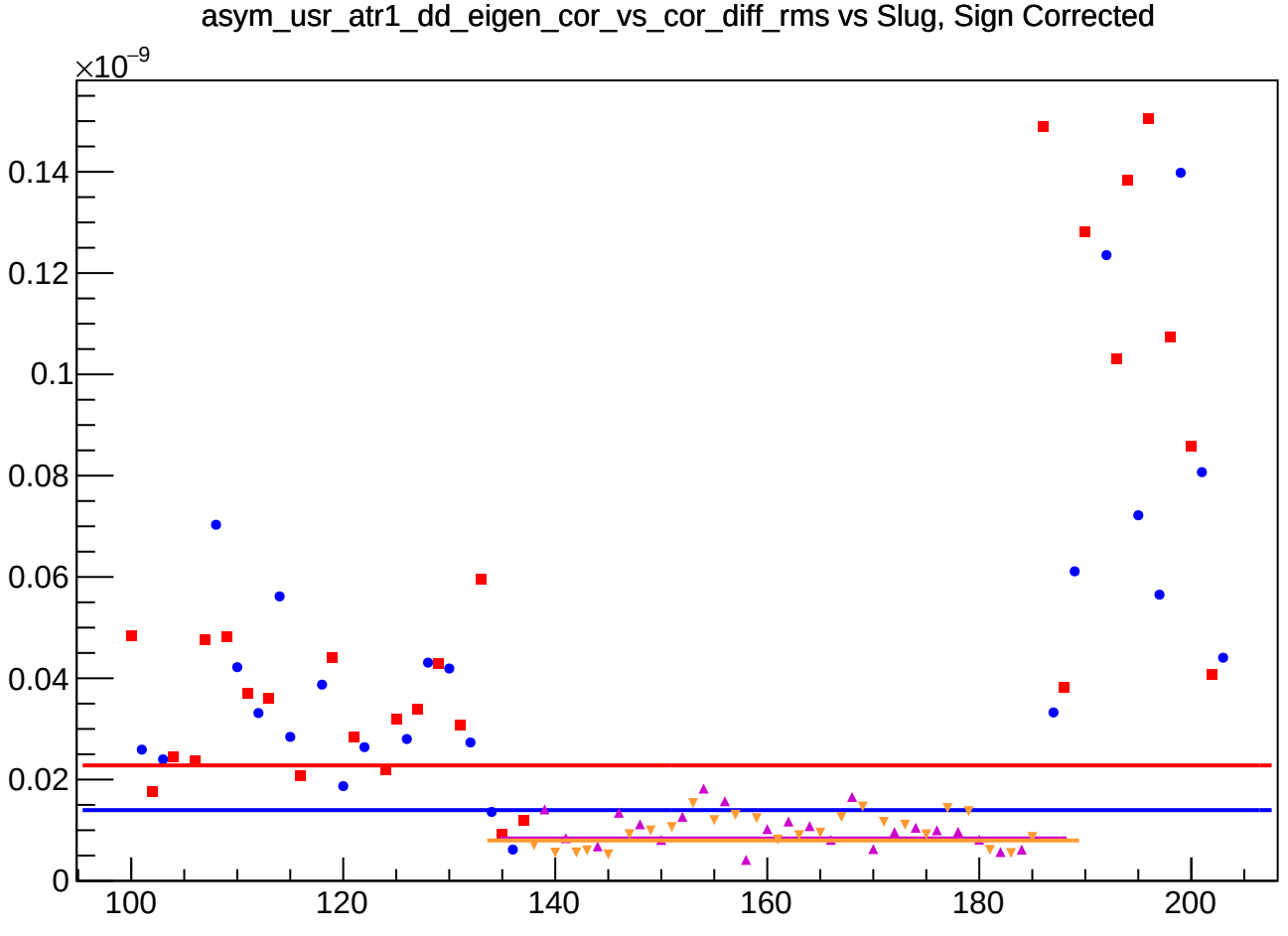
Left: -0.000+/-0.000 χ^2/NDF: 38.6/47

Right: -0.000+/-0.000 χ^2/NDF: 49.4/51

In: -0.000+/-0.000 χ^2/NDF:36.0/46

Out: -0.000+/-0.000 χ^2/NDF:52.1/52

All: -0.000+/-0.000 χ^2/NDF: 88.1/99



Right In: 0.000+/-0.000 χ^2/NDF: 8284266.0/23

Left Out: 0.000+/-0.000 χ^2/NDF:2831909.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 6974965.3/27

Left In: 0.000+/-0.000 χ^2/NDF:2786396.2/22

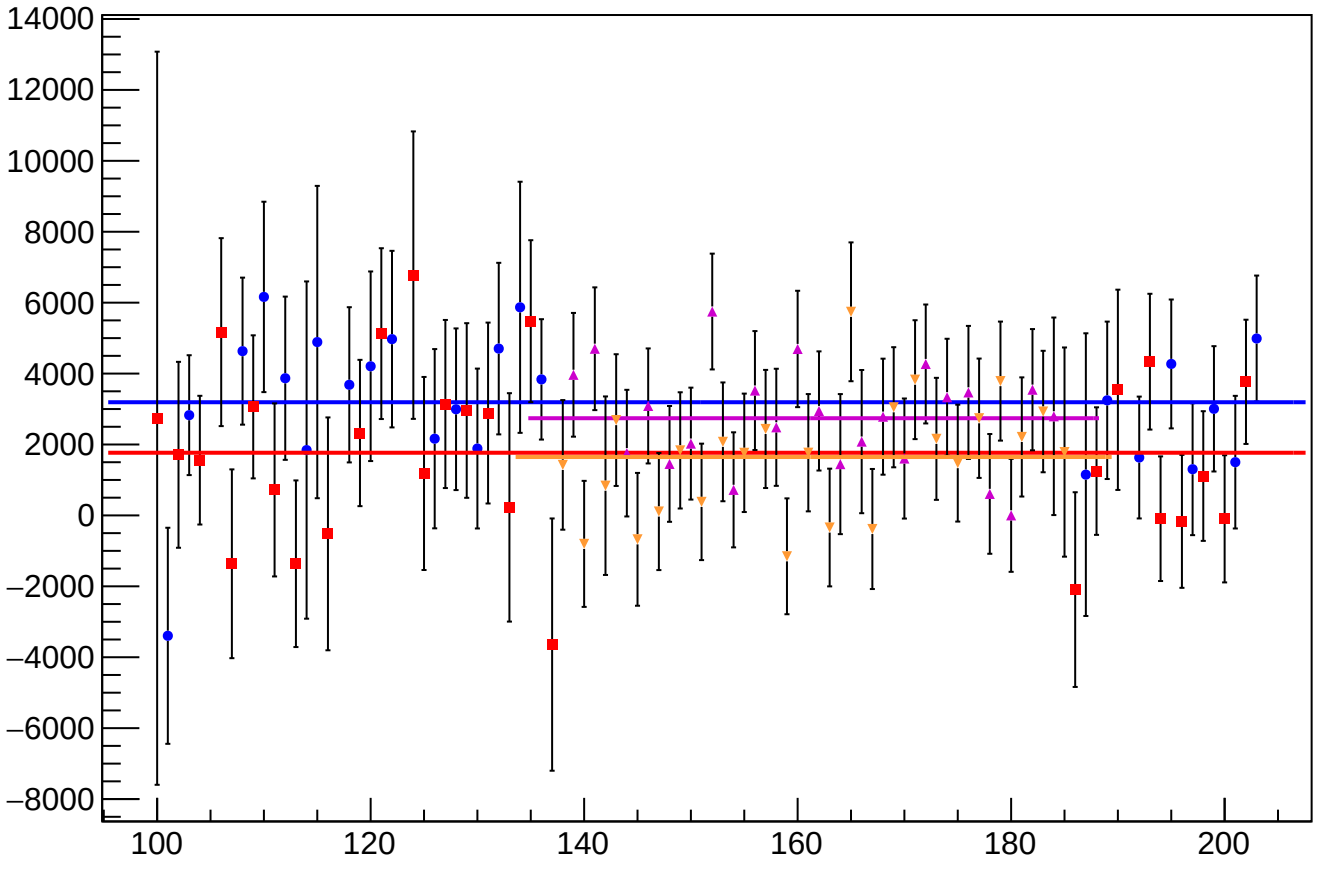
Left: 0.000+/-0.000 χ^2/NDF: 5643069.5/47

Right: 0.000+/-0.000 χ^2/NDF: 16247603.9/51

In: 0.000+/-0.000 χ^2/NDF:12088121.9/46

Out: 0.000+/-0.000 χ^2/NDF:13848762.7/52

All: 0.000+/-0.000 χ^2/NDF: 25944321.5/99



Right In: 3191.898+/-452.377 χ^2/NDF: 13.4/23

Left Out: 1646.402+/-349.758 χ^2/NDF:21.0/24

Right Out: 1767.317+/-435.183 χ^2/NDF: 24.4/27

Left In: 2740.924+/-358.458 χ^2/NDF:16.4/22

Left: 2180.220+/-250.336 χ^2/NDF: 42.3/47

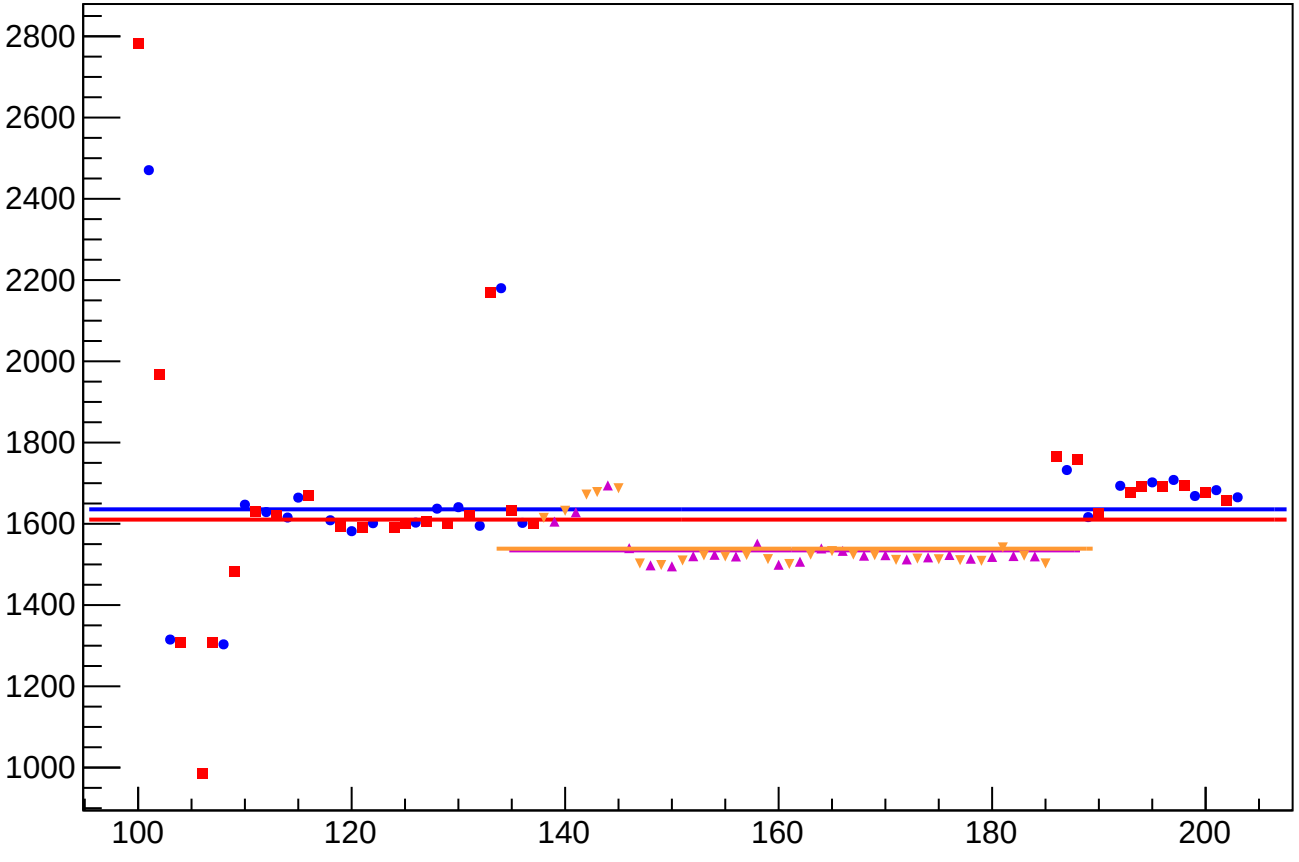
Right: 2452.019+/-313.623 χ^2/NDF: 42.9/51

In: 2914.866+/-280.949 χ^2/NDF:30.4/46

Out: 1693.854+/-272.622 χ^2/NDF:45.5/52

All: 2285.998+/-195.651 χ^2/NDF: 85.6/99

reg_asym_usr_atr2_avg_rms vs Slug, Sign Corrected



Right In: 1635.646+/-0.320 χ^2/NDF: 335907.6/23

Left Out: 1538.810+/-0.247 χ^2/NDF:47056.2/24

Right Out: 1610.369+/-0.305 χ^2/NDF: 440571.8/27

Left In: 1534.615+/-0.253 χ^2/NDF:31120.6/22

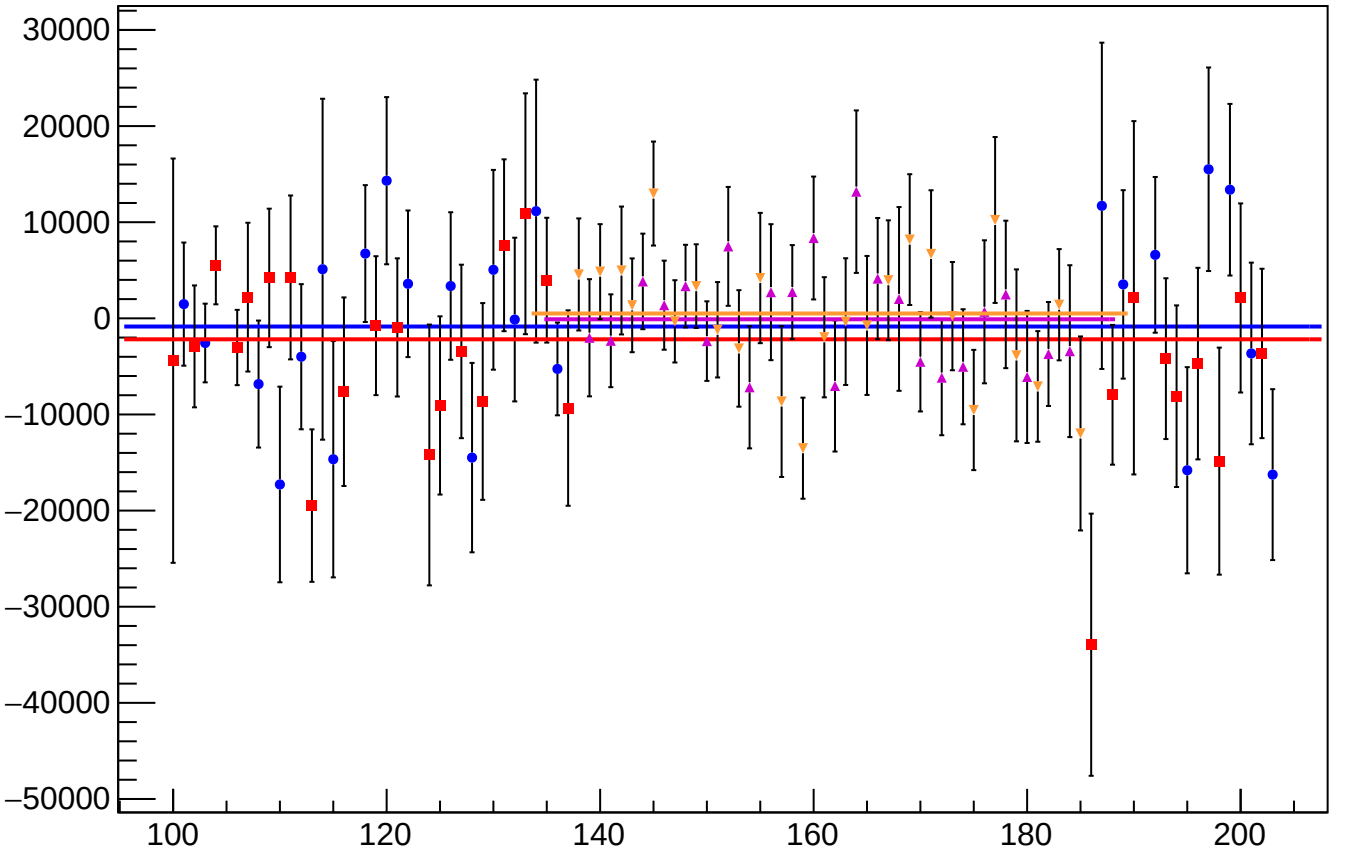
Left: 1536.764+/-0.177 χ^2/NDF: 78317.2/47

Right: 1622.401+/-0.221 χ^2/NDF: 779751.4/51

In: 1573.583+/-0.199 χ^2/NDF:428308.5/46

Out: 1567.210+/-0.192 χ^2/NDF:520854.8/52

All: 1570.289+/-0.138 χ^2/NDF: 949695.1/99



Right In: -852.549+/-1631.116 χ^2/NDF: 25.5/23

Left Out: 503.846+/-1187.304 χ^2/NDF:26.8/24

Right Out: -2181.437+/-1487.239 χ^2/NDF: 23.9/27

Left In: -97.910+/-1217.585 χ^2/NDF:14.9/22

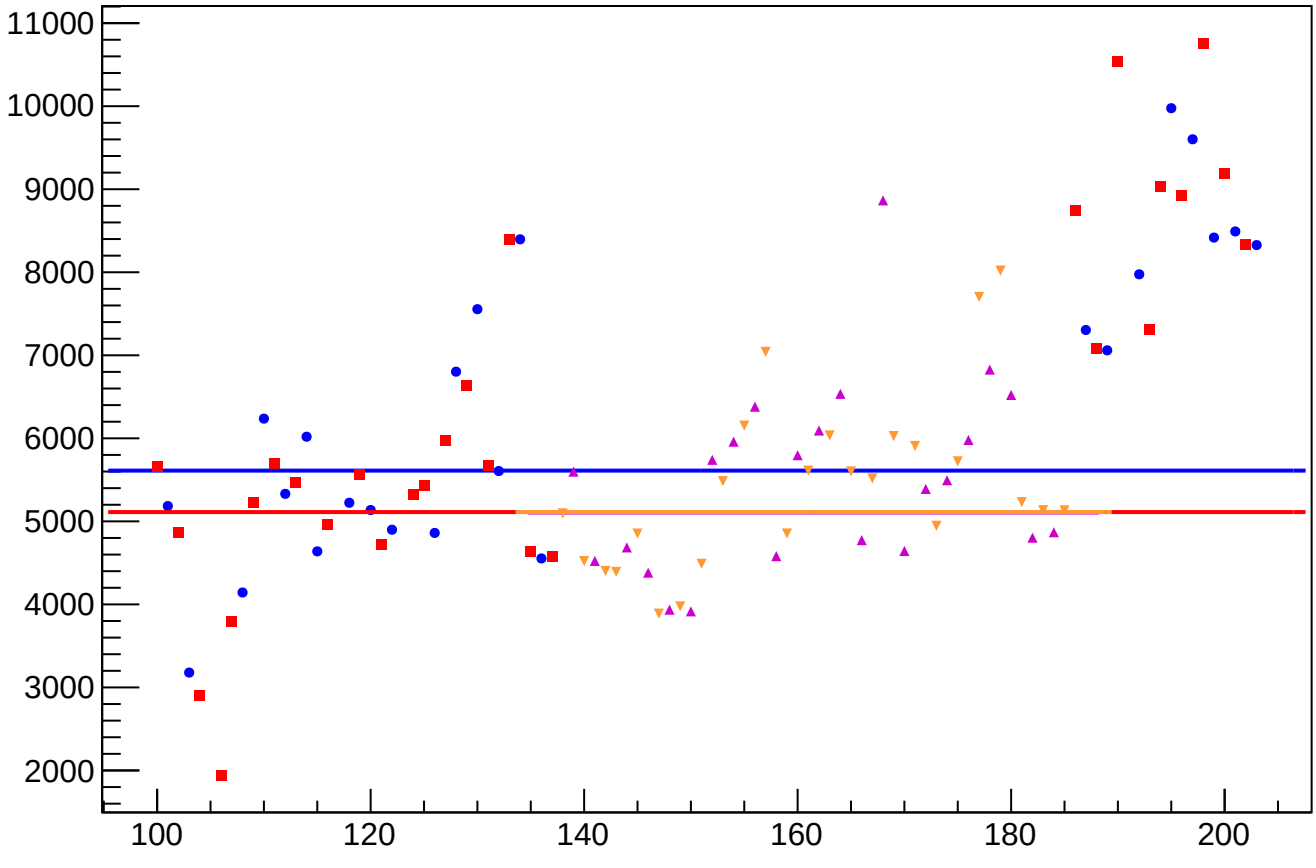
Left: 210.544+/-850.054 χ^2/NDF: 41.8/47

Right: -1578.176+/-1098.989 χ^2/NDF: 49.8/51

In: -367.943+/-975.717 χ^2/NDF:40.5/46

Out: -541.396+/-927.885 χ^2/NDF:52.7/52

All: -459.025+/-672.388 χ^2/NDF: 93.3/99



Right In: 5611.216+/-1.153 χ^2/NDF: 2584017.9/23

Left Out: 5112.954+/-0.840 χ^2/NDF:1159010.4/24

Right Out: 5111.829+/-1.052 χ^2/NDF: 4529446.7/27

Left In: 5106.386+/-0.861 χ^2/NDF:1251622.3/22

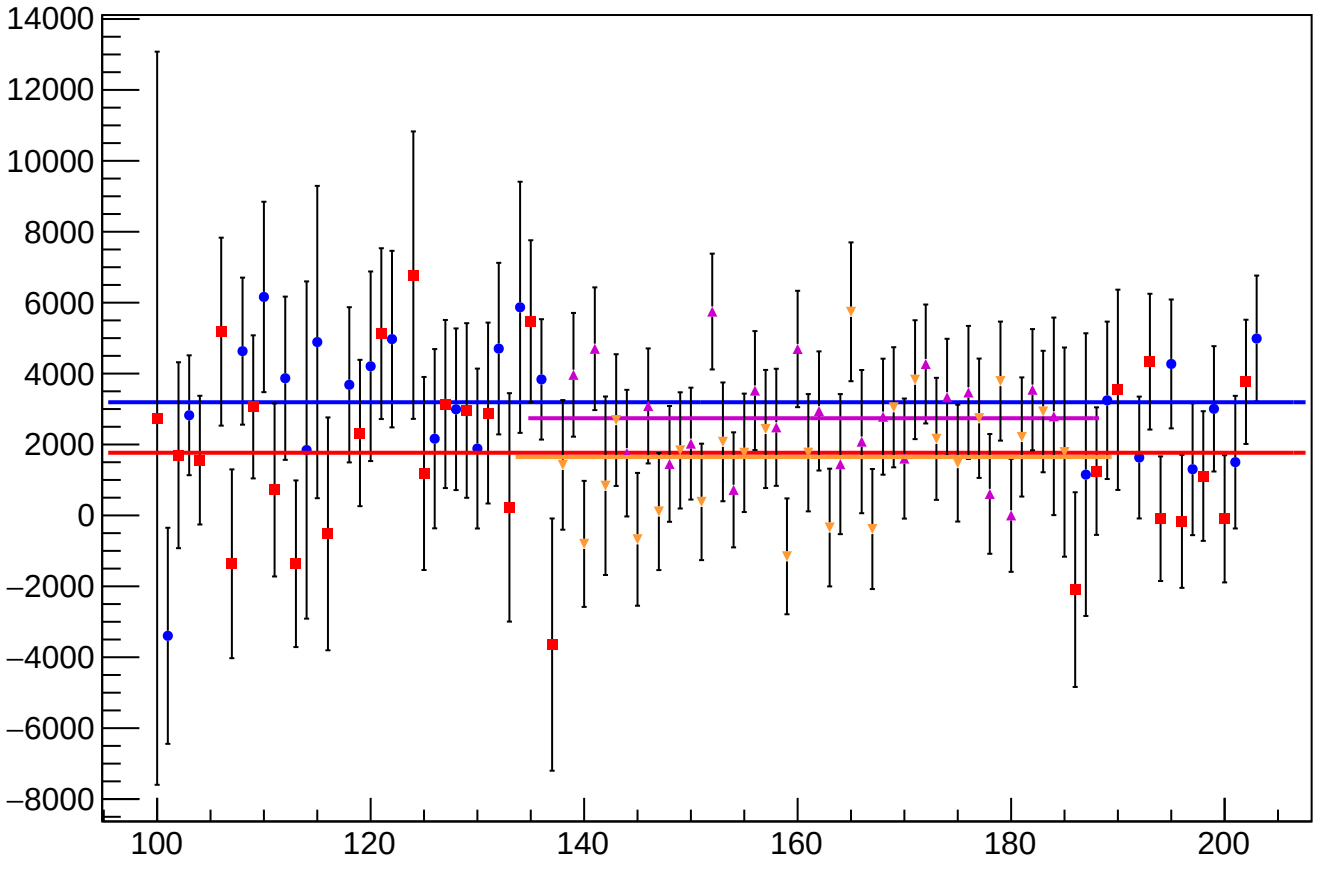
Left: 5109.752+/-0.601 χ^2/NDF: 2410662.5/47

Right: 5338.531+/-0.777 χ^2/NDF: 7215831.5/51

In: 5287.030+/-0.690 χ^2/NDF:3958667.2/46

Out: 5112.516+/-0.656 χ^2/NDF:5688457.8/52

All: 5195.391+/-0.475 χ^2/NDF: 9680721.4/99



Right In: 3191.767+/-452.377 χ^2/NDF: 13.4/23

Left Out: 1646.294+/-349.758 χ^2/NDF:21.0/24

Right Out: 1767.304+/-435.184 χ^2/NDF: 24.4/27

Left In: 2740.826+/-358.458 χ^2/NDF:16.4/22

Left: 2180.117+/-250.336 χ^2/NDF: 42.3/47

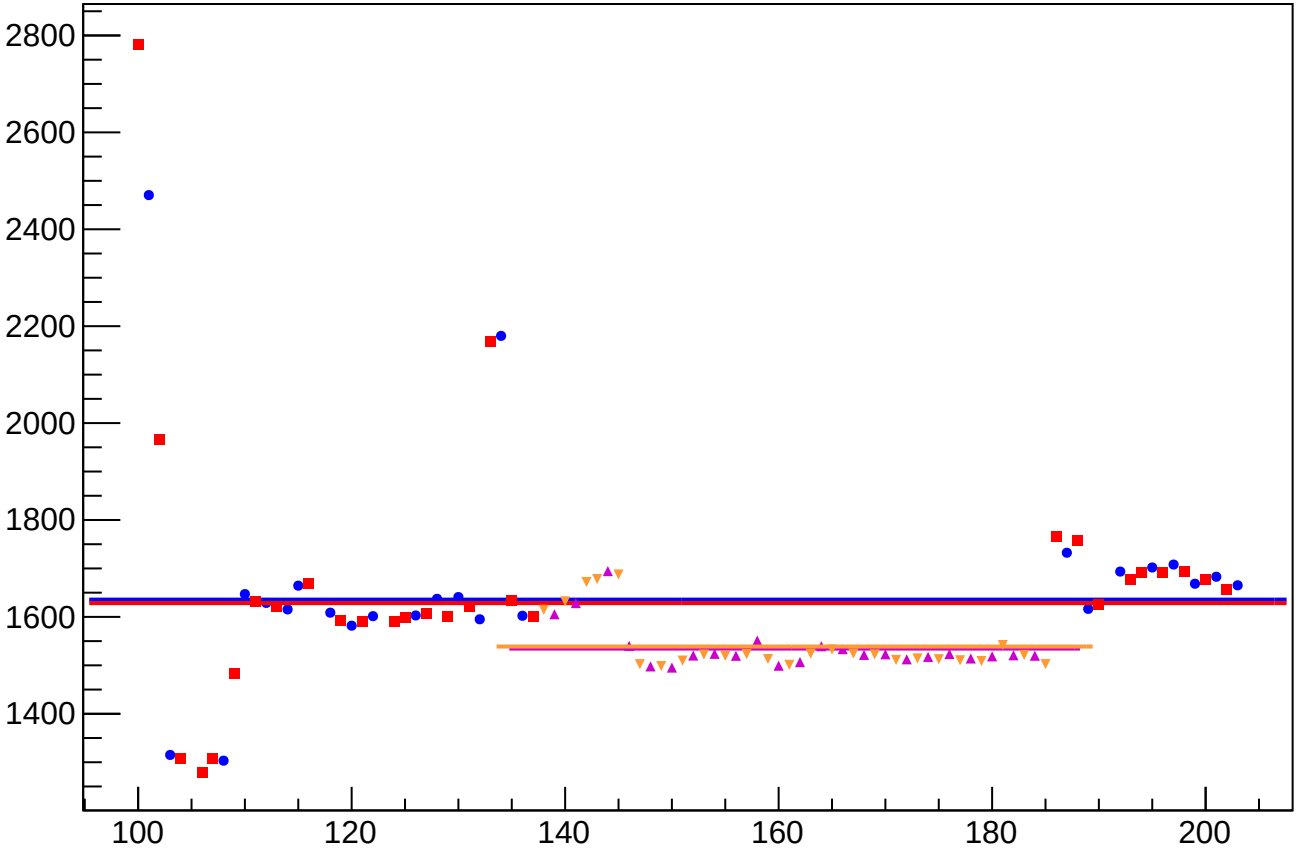
Right: 2451.952+/-313.624 χ^2/NDF: 42.9/51

In: 2914.756+/-280.949 χ^2/NDF:30.4/46

Out: 1693.784+/-272.622 χ^2/NDF:45.5/52

All: 2285.908+/-195.651 χ^2/NDF: 85.7/99

cor_asym_usr_atr2_avg_rms vs Slug, Sign Corrected



Right In: 1635.646+/-0.320 χ^2/NDF: 335906.7/23

Left Out: 1538.810+/-0.247 χ^2/NDF:47056.2/24

Right Out: 1628.424+/-0.307 χ^2/NDF: 285508.2/27

Left In: 1534.615+/-0.253 χ^2/NDF:31120.6/22

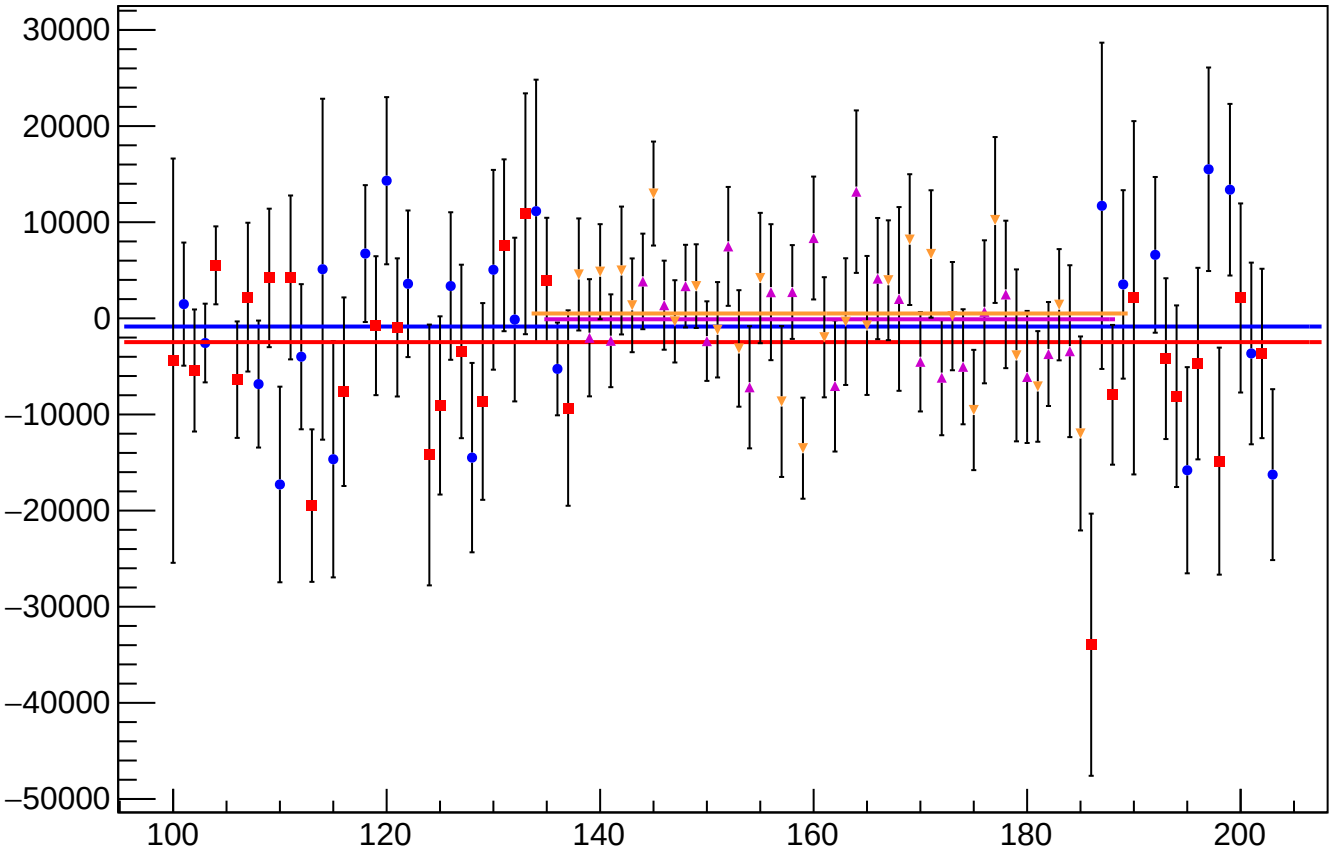
Left: 1536.764+/-0.177 χ^2/NDF: 78317.1/47

Right: 1631.887+/-0.222 χ^2/NDF: 621680.2/51

In: 1573.583+/-0.199 χ^2/NDF:428307.7/46

Out: 1574.071+/-0.193 χ^2/NDF:384225.5/52

All: 1573.834+/-0.138 χ^2/NDF: 812536.3/99



Right In: -852.662+/-1631.142 χ^2/NDF: 25.5/23

Left Out: 503.849+/-1187.302 χ^2/NDF:26.8/24

Right Out: -2473.800+/-1553.999 χ^2/NDF: 24.6/27

Left In: -97.930+/-1217.585 χ^2/NDF:14.9/22

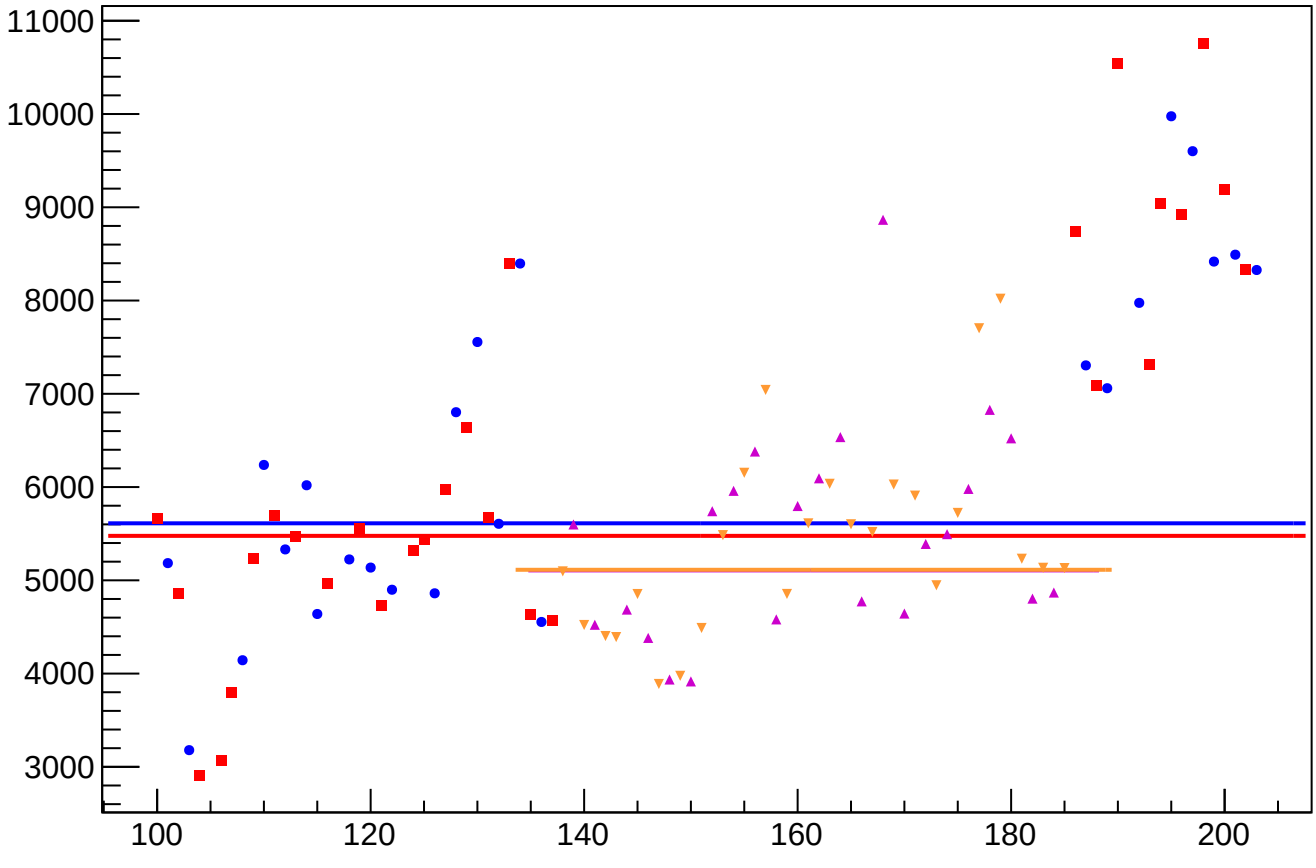
Left: 210.536+/-850.054 χ^2/NDF: 41.8/47

Right: -1702.471+/-1125.127 χ^2/NDF: 50.6/51

In: -367.991+/-975.722 χ^2/NDF:40.5/46

Out: -593.665+/-943.450 χ^2/NDF:53.7/52

All: -484.622+/-678.242 χ^2/NDF: 94.3/99



Right In: 5611.347+/-1.153 χ^2/NDF: 2583680.4/23

Left Out: 5112.947+/-0.840 χ^2/NDF:1159023.2/24

Right Out: 5476.742+/-1.099 χ^2/NDF: 3334453.7/27

Left In: 5106.384+/-0.861 χ^2/NDF:1251622.9/22

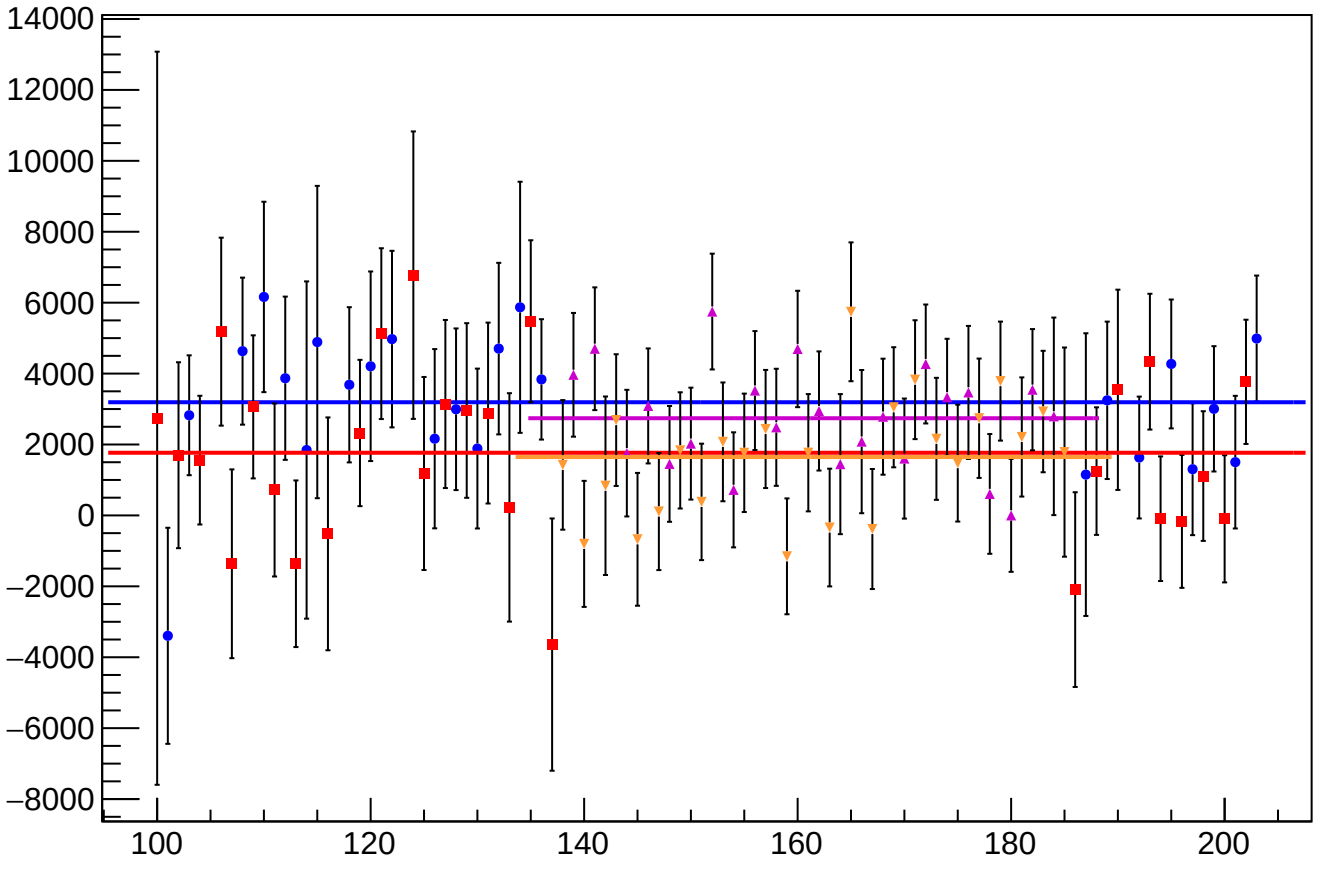
Left: 5109.748+/-0.601 χ^2/NDF: 2410675.9/47

Right: 5540.786+/-0.796 χ^2/NDF: 5925273.7/51

In: 5287.072+/-0.690 χ^2/NDF:3958392.7/46

Out: 5247.036+/-0.667 χ^2/NDF:4562685.2/52

All: 5266.381+/-0.480 χ^2/NDF: 8522818.2/99



Right In: 3191.767+/-452.377 χ^2/NDF: 13.4/23

Left Out: 1646.294+/-349.758 χ^2/NDF:21.0/24

Right Out: 1767.304+/-435.184 χ^2/NDF: 24.4/27

Left In: 2740.826+/-358.458 χ^2/NDF:16.4/22

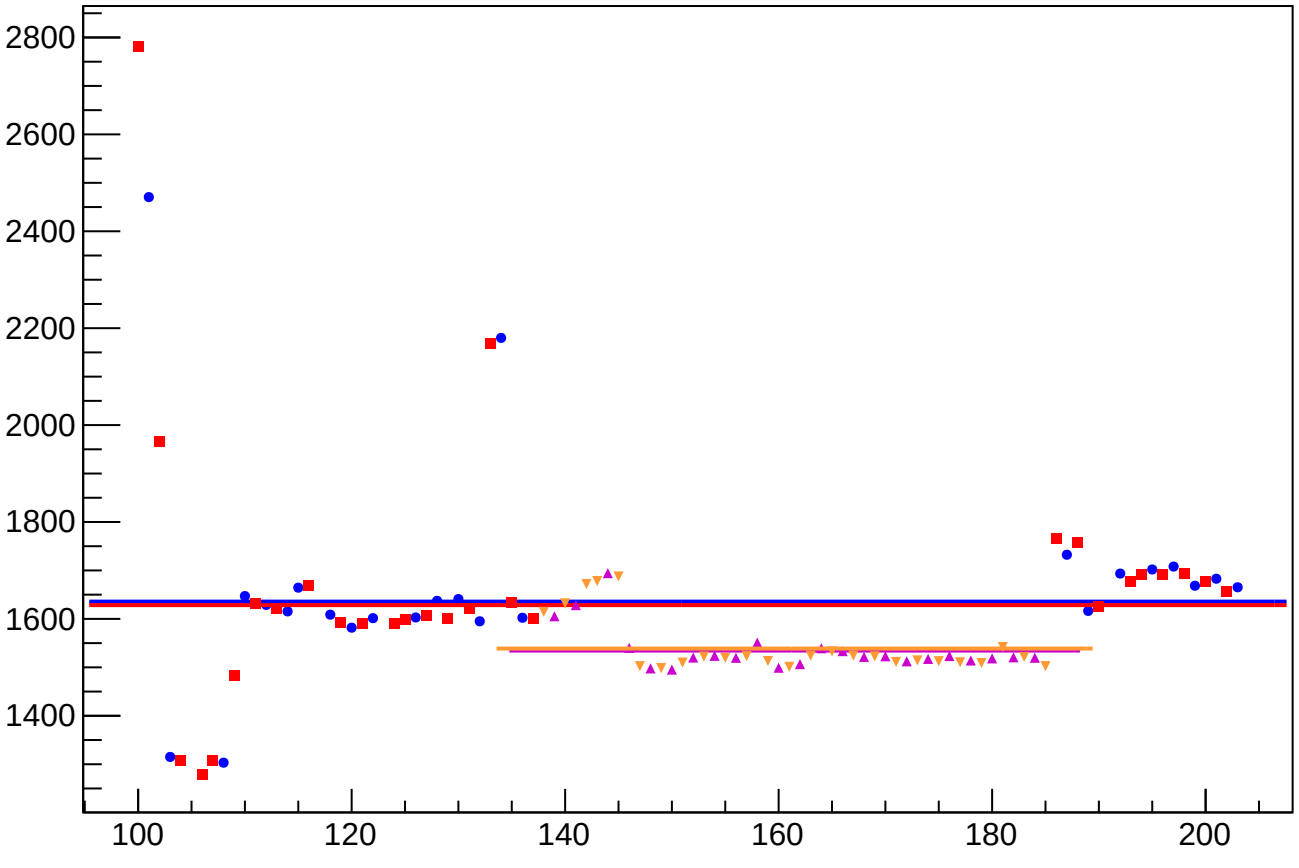
Left: 2180.117+/-250.336 χ^2/NDF: 42.3/47

Right: 2451.952+/-313.624 χ^2/NDF: 42.9/51

In: 2914.756+/-280.949 χ^2/NDF:30.4/46

Out: 1693.784+/-272.622 χ^2/NDF:45.5/52

All: 2285.908+/-195.651 χ^2/NDF: 85.7/99



Right In: 1635.646+/-0.320 χ^2/NDF: 335906.7/23

Left Out: 1538.810+/-0.247 χ^2/NDF:47056.2/24

Right Out: 1628.424+/-0.307 χ^2/NDF: 285508.2/27

Left In: 1534.615+/-0.253 χ^2/NDF:31120.6/22

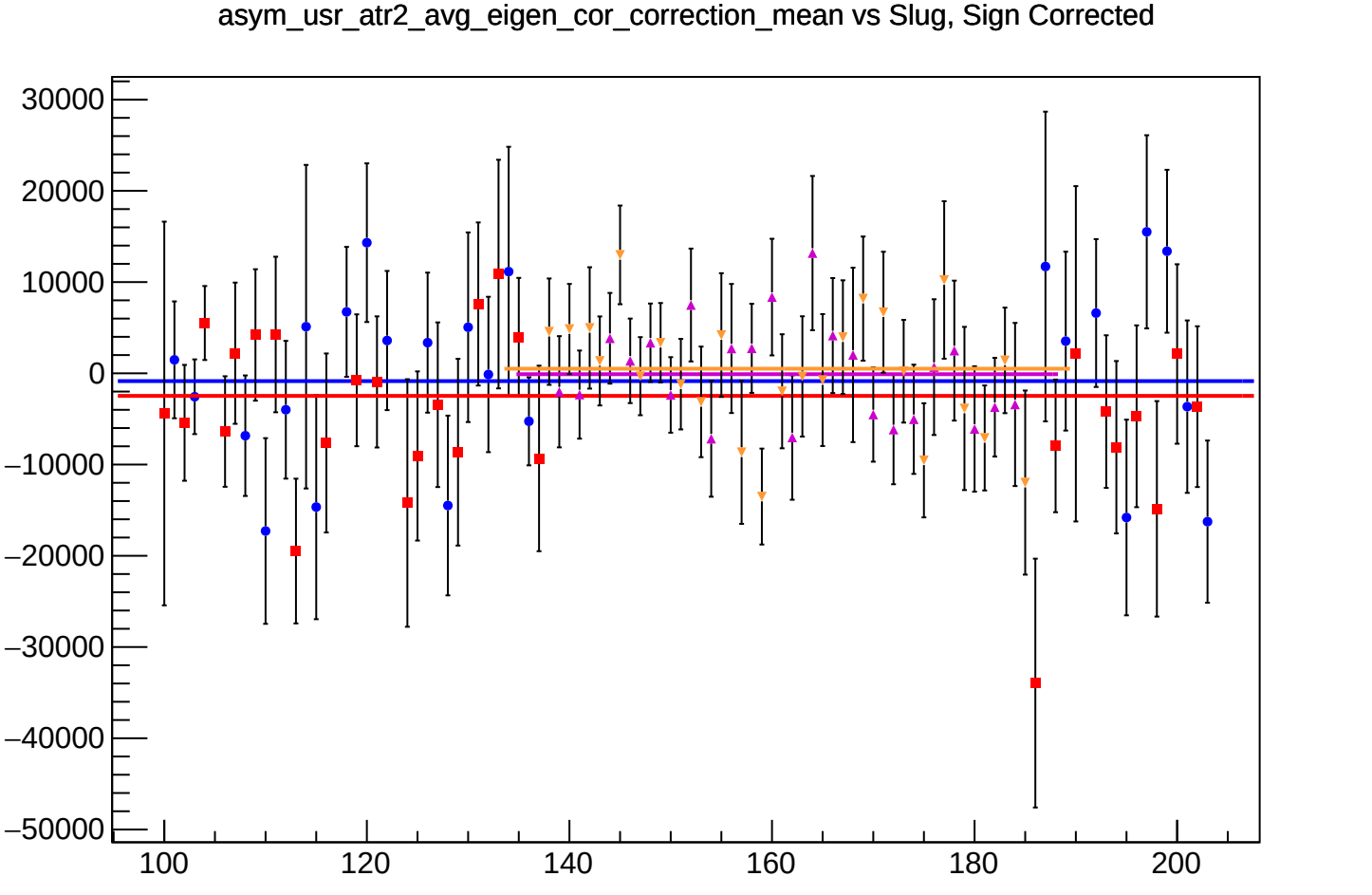
Left: 1536.764+/-0.177 χ^2/NDF: 78317.1/47

Right: 1631.887+/-0.222 χ^2/NDF: 621680.2/51

In: 1573.583+/-0.199 χ^2/NDF:428307.7/46

Out: 1574.071+/-0.193 χ^2/NDF:384225.5/52

All: 1573.834+/-0.138 χ^2/NDF: 812536.3/99



Right In: -852.662+/-1631.142 χ^2/NDF: 25.5/23

Left Out: 503.849+/-1187.302 χ^2/NDF:26.8/24

Right Out: -2473.800+/-1553.999 χ^2/NDF: 24.6/27

Left In: -97.930+/-1217.585 χ^2/NDF:14.9/22

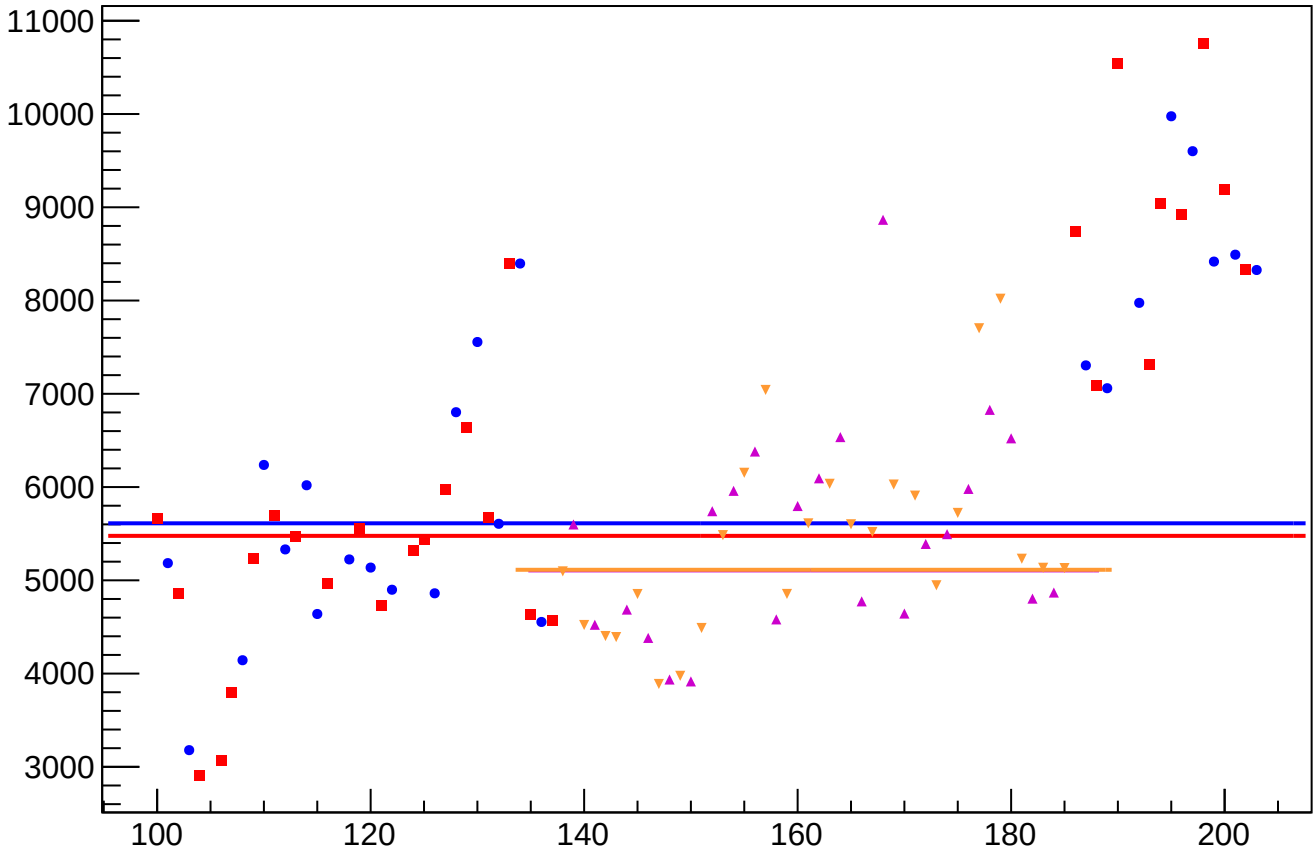
Left: 210.536+/-850.054 χ^2/NDF: 41.8/47

Right: -1702.471+/-1125.127 χ^2/NDF: 50.6/51

In: -367.991+/-975.722 χ^2/NDF:40.5/46

Out: -593.665+/-943.450 χ^2/NDF:53.7/52

All: -484.622+/-678.242 χ^2/NDF: 94.3/99



Right In: 5611.347+/-1.153 χ^2/NDF: 2583680.4/23

Left Out: 5112.947+/-0.840 χ^2/NDF:1159023.2/24

Right Out: 5476.742+/-1.099 χ^2/NDF: 3334453.7/27

Left In: 5106.384+/-0.861 χ^2/NDF:1251622.9/22

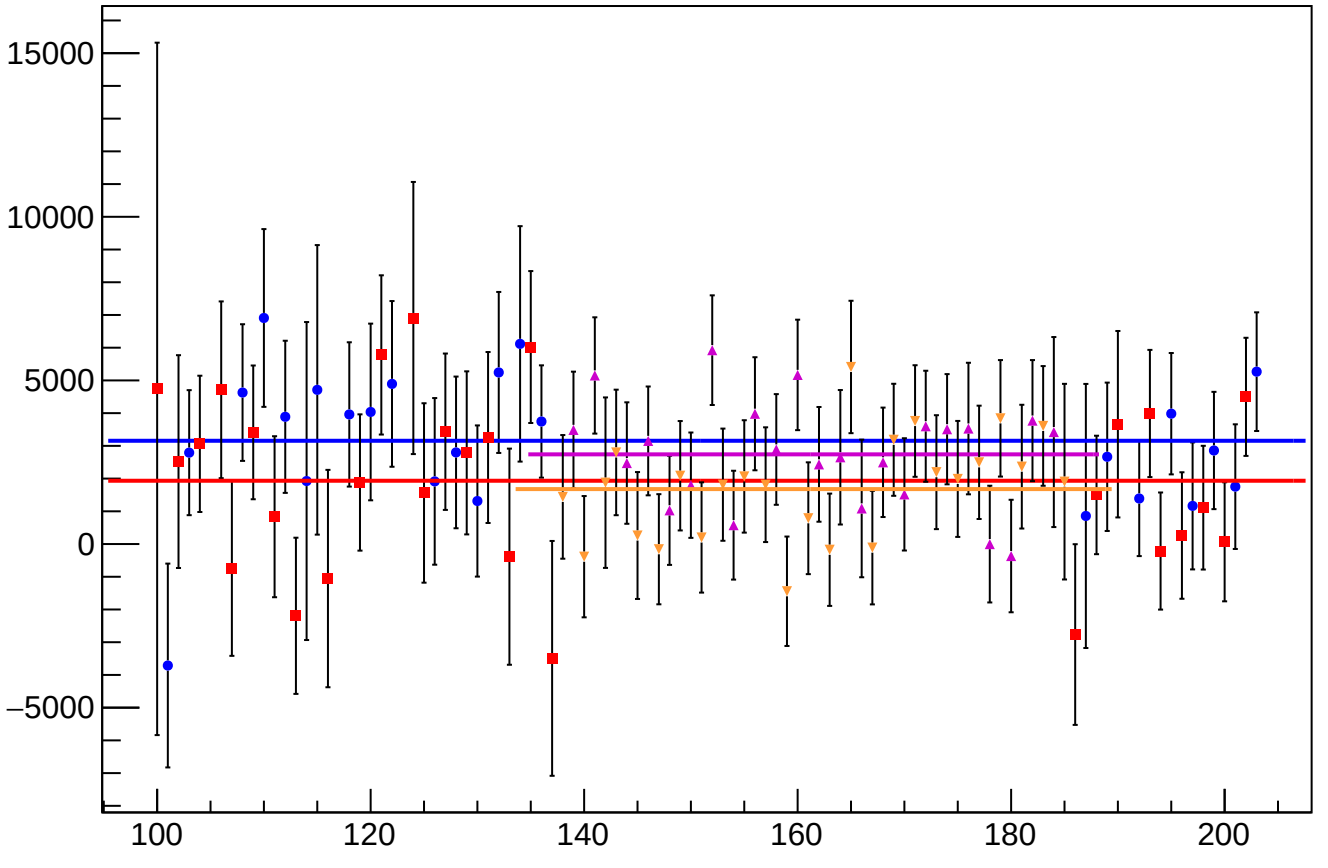
Left: 5109.748+/-0.601 χ^2/NDF: 2410675.9/47

Right: 5540.786+/-0.796 χ^2/NDF: 5925273.7/51

In: 5287.072+/-0.690 χ^2/NDF:3958392.7/46

Out: 5247.036+/-0.667 χ^2/NDF:4562685.2/52

All: 5266.381+/-0.480 χ^2/NDF: 8522818.2/99



Right In: 3155.660+/-463.468 χ^2/NDF: 15.3/23

Left Out: 1679.163+/-362.391 χ^2/NDF:19.0/24

Right Out: 1934.177+/-447.077 χ^2/NDF: 27.5/27

Left In: 2740.666+/-370.604 χ^2/NDF:19.2/22

Left: 2198.022+/-259.104 χ^2/NDF: 42.3/47

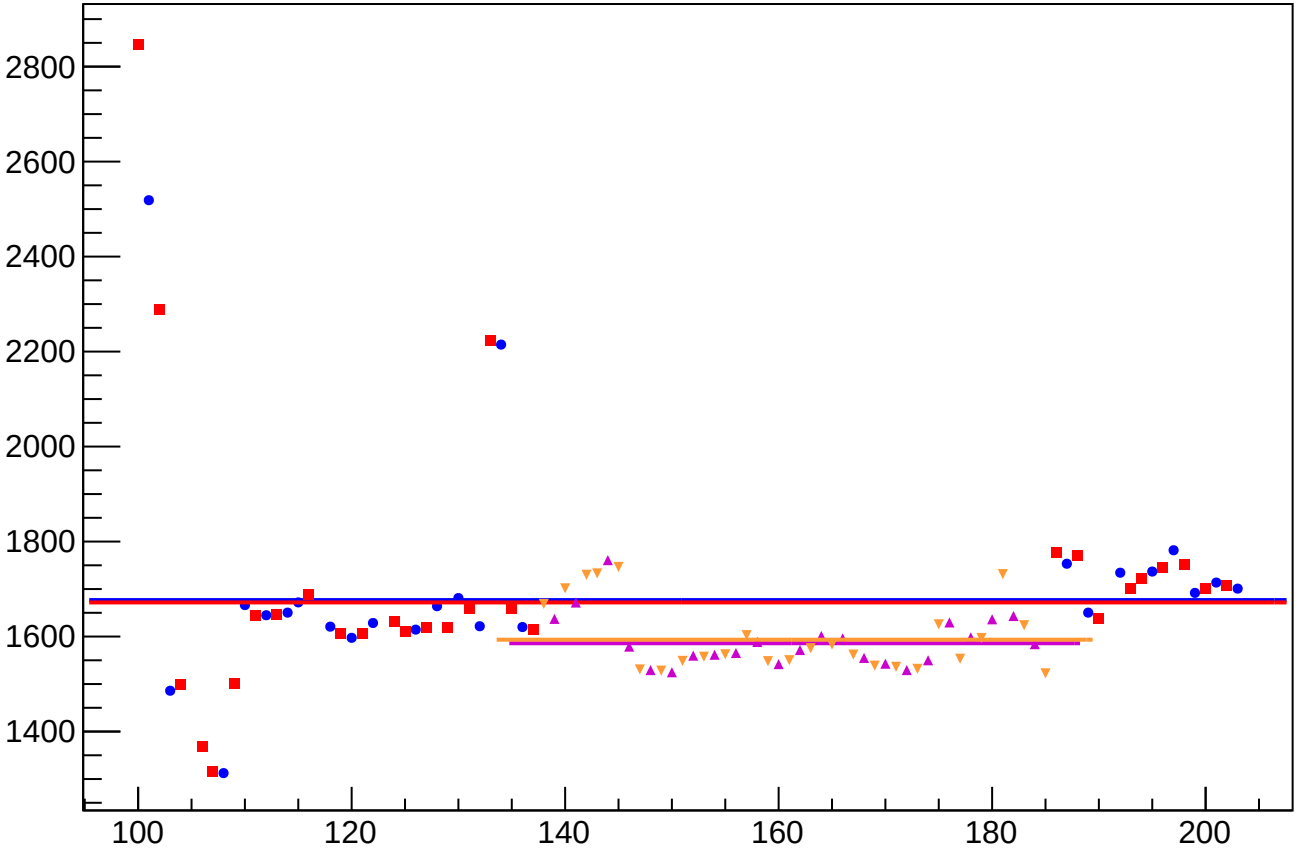
Right: 2522.936+/-321.770 χ^2/NDF: 46.3/51

In: 2902.524+/-289.445 χ^2/NDF:34.9/46

Out: 1780.279+/-281.521 χ^2/NDF:46.6/52

All: 2325.830+/-201.809 χ^2/NDF: 89.3/99

dit_asym_usr_atr2_avg_rms vs Slug, Sign Corrected



Right In: 1676.792+/-0.328 χ^2/NDF: 292728.6/23

Left Out: 1593.388+/-0.256 χ^2/NDF:71876.4/24

Right Out: 1671.830+/-0.316 χ^2/NDF: 267520.7/27

Left In: 1585.918+/-0.262 χ^2/NDF:41915.3/22

Left: 1589.737+/-0.183 χ^2/NDF: 114207.1/47

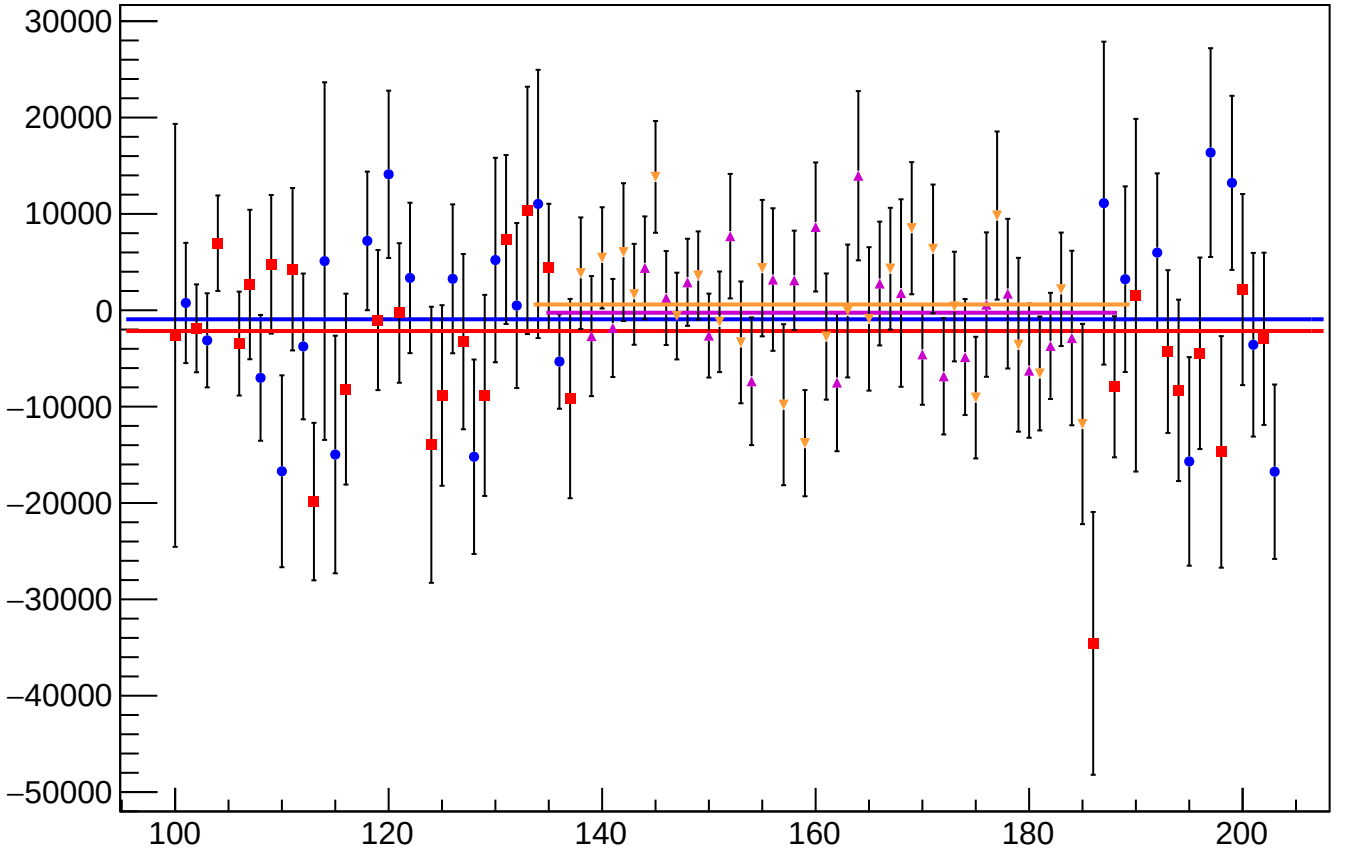
Right: 1674.220+/-0.227 χ^2/NDF: 560368.1/51

In: 1621.361+/-0.205 χ^2/NDF:381544.4/46

Out: 1624.509+/-0.199 χ^2/NDF:376574.8/52

All: 1622.979+/-0.143 χ^2/NDF: 758240.7/99

asym_usr_atr2_avg_dit_correction_mean vs Slug, Sign Corrected



Right In: -935.747+/-1679.098 χ^2/NDF: 25.4/23

Left Out: 601.820+/-1233.559 χ^2/NDF:26.0/24

Right Out: -2151.981+/-1544.635 χ^2/NDF: 23.8/27

Left In: -255.905+/-1262.607 χ^2/NDF:14.6/22

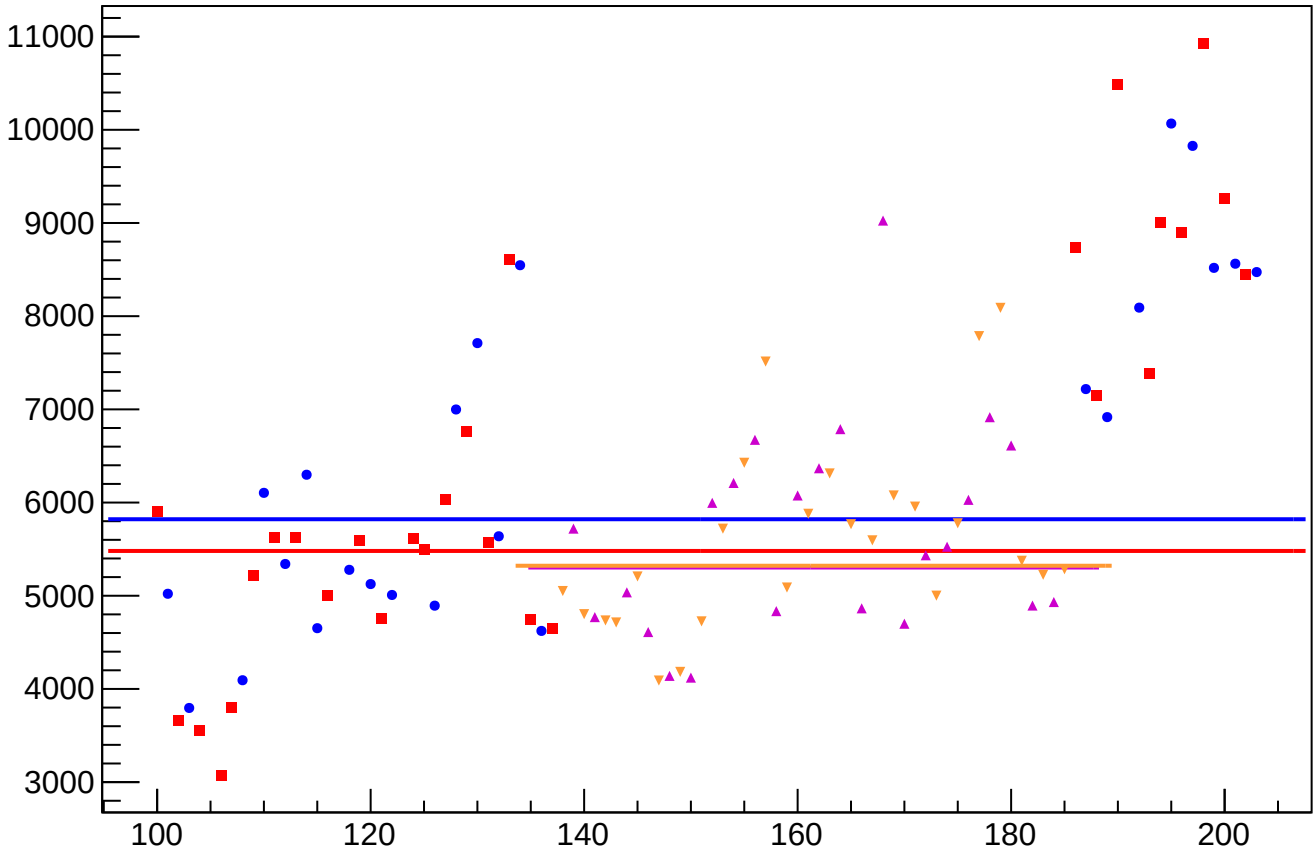
Left: 182.938+/-882.349 χ^2/NDF: 40.9/47

Right: -1594.506+/-1136.790 χ^2/NDF: 49.5/51

In: -501.465+/-1009.138 χ^2/NDF:40.1/46

Out: -470.554+/-963.901 χ^2/NDF:51.8/52

All: -485.301+/-697.025 χ^2/NDF: 91.9/99



Right In: 5821.008+/-1.187 χ^2/NDF: 2197865.9/23

Left Out: 5321.956+/-0.872 χ^2/NDF:1037009.2/24

Right Out: 5480.689+/-1.092 χ^2/NDF: 3243634.8/27

Left In: 5302.849+/-0.893 χ^2/NDF:1152376.1/22

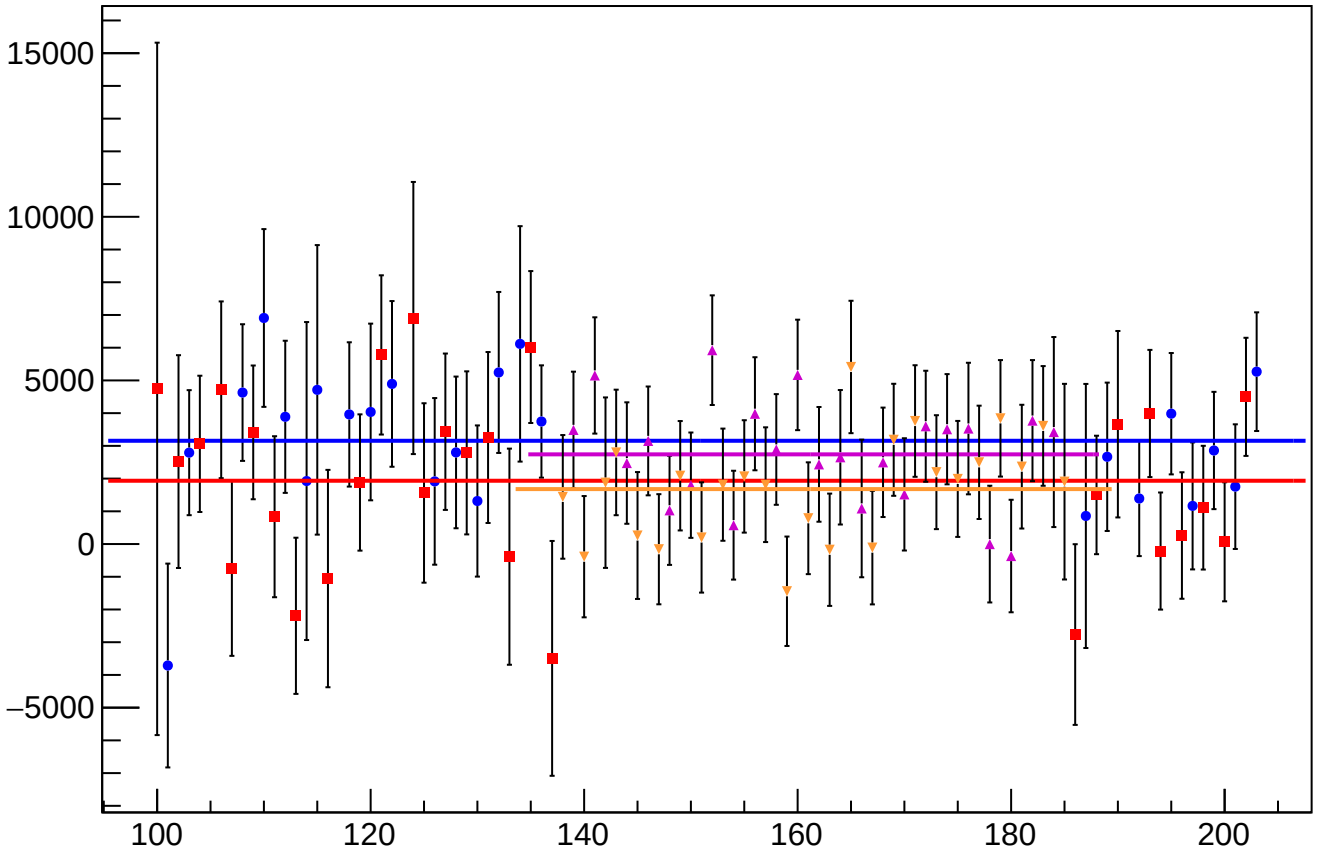
Left: 5312.625+/-0.624 χ^2/NDF: 2189619.6/47

Right: 5636.678+/-0.804 χ^2/NDF: 5486000.5/51

In: 5490.008+/-0.714 χ^2/NDF:3471907.5/46

Out: 5383.769+/-0.682 χ^2/NDF:4293540.2/52

All: 5434.454+/-0.493 χ^2/NDF: 7777038.9/99



Right In: 3155.658+/-463.468 χ^2/NDF: 15.3/23

Left Out: 1679.156+/-362.392 χ^2/NDF:19.0/24

Right Out: 1934.177+/-447.077 χ^2/NDF: 27.5/27

Left In: 2740.666+/-370.605 χ^2/NDF:19.2/22

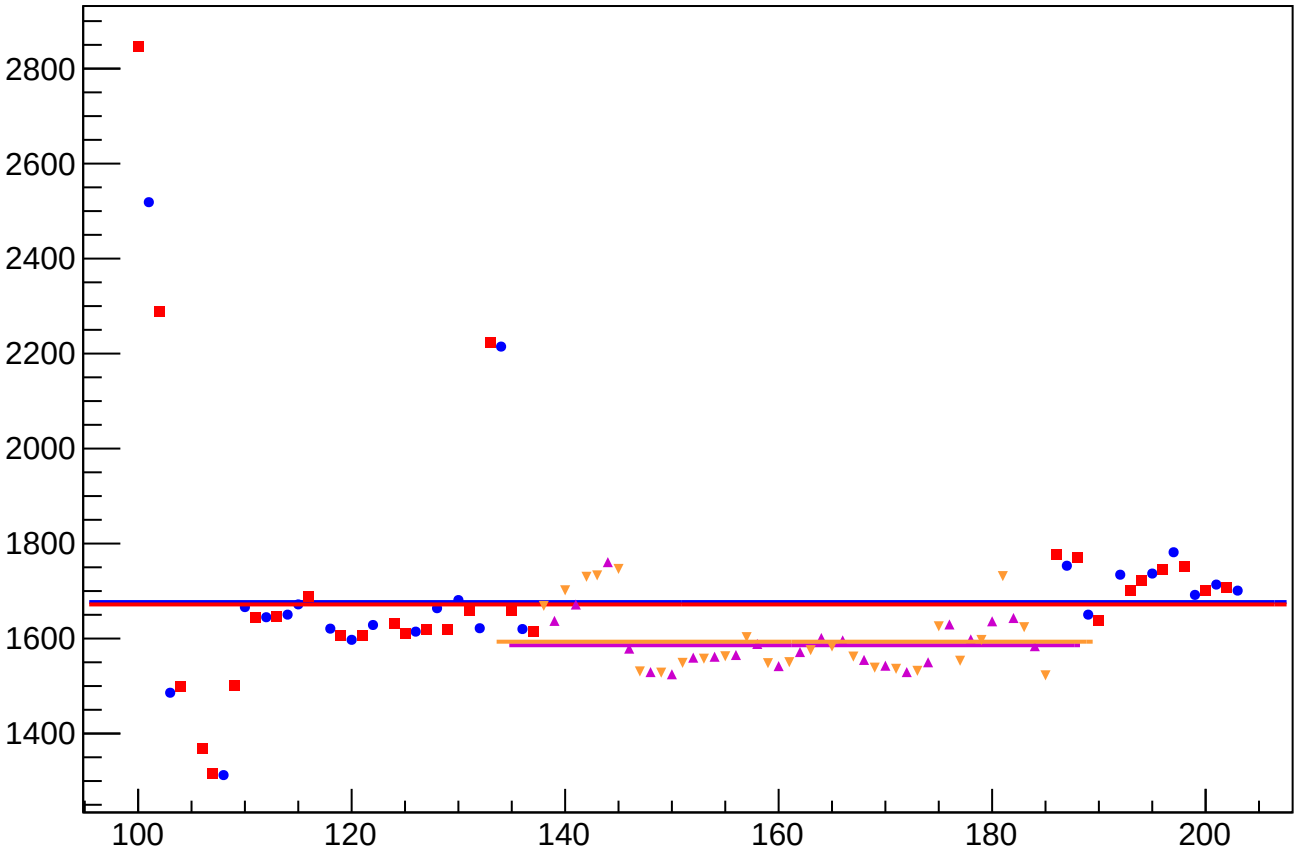
Left: 2198.019+/-259.104 χ^2/NDF: 42.3/47

Right: 2522.936+/-321.770 χ^2/NDF: 46.3/51

In: 2902.524+/-289.445 χ^2/NDF:34.9/46

Out: 1780.276+/-281.521 χ^2/NDF:46.6/52

All: 2325.828+/-201.809 χ^2/NDF: 89.3/99



Right In: 1676.791+/-0.328 χ^2/NDF: 292728.9/23

Left Out: 1593.388+/-0.256 χ^2/NDF:71876.3/24

Right Out: 1671.830+/-0.316 χ^2/NDF: 267520.7/27

Left In: 1585.919+/-0.262 χ^2/NDF:41915.1/22

Left: 1589.737+/-0.183 χ^2/NDF: 114206.7/47

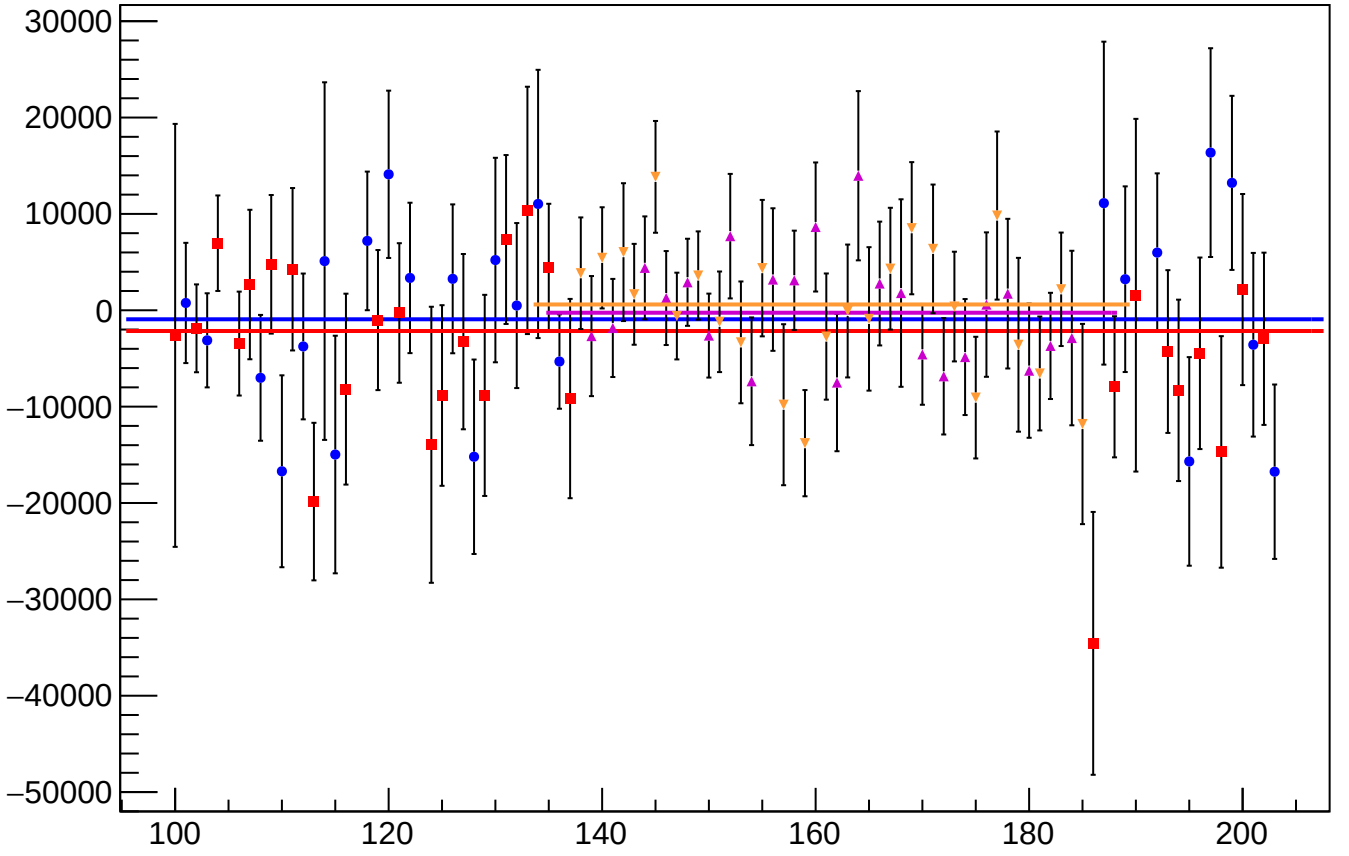
Right: 1674.220+/-0.227 χ^2/NDF: 560368.4/51

In: 1621.362+/-0.205 χ^2/NDF:381543.1/46

Out: 1624.509+/-0.199 χ^2/NDF:376573.7/52

All: 1622.979+/-0.143 χ^2/NDF: 758238.4/99

asym_usr_atr2_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -935.736+/-1679.097 χ^2/NDF: 25.4/23

Left Out: 601.817+/-1233.561 χ^2/NDF:26.0/24

Right Out: -2151.978+/-1544.633 χ^2/NDF: 23.8/27

Left In: -255.907+/-1262.609 χ^2/NDF:14.6/22

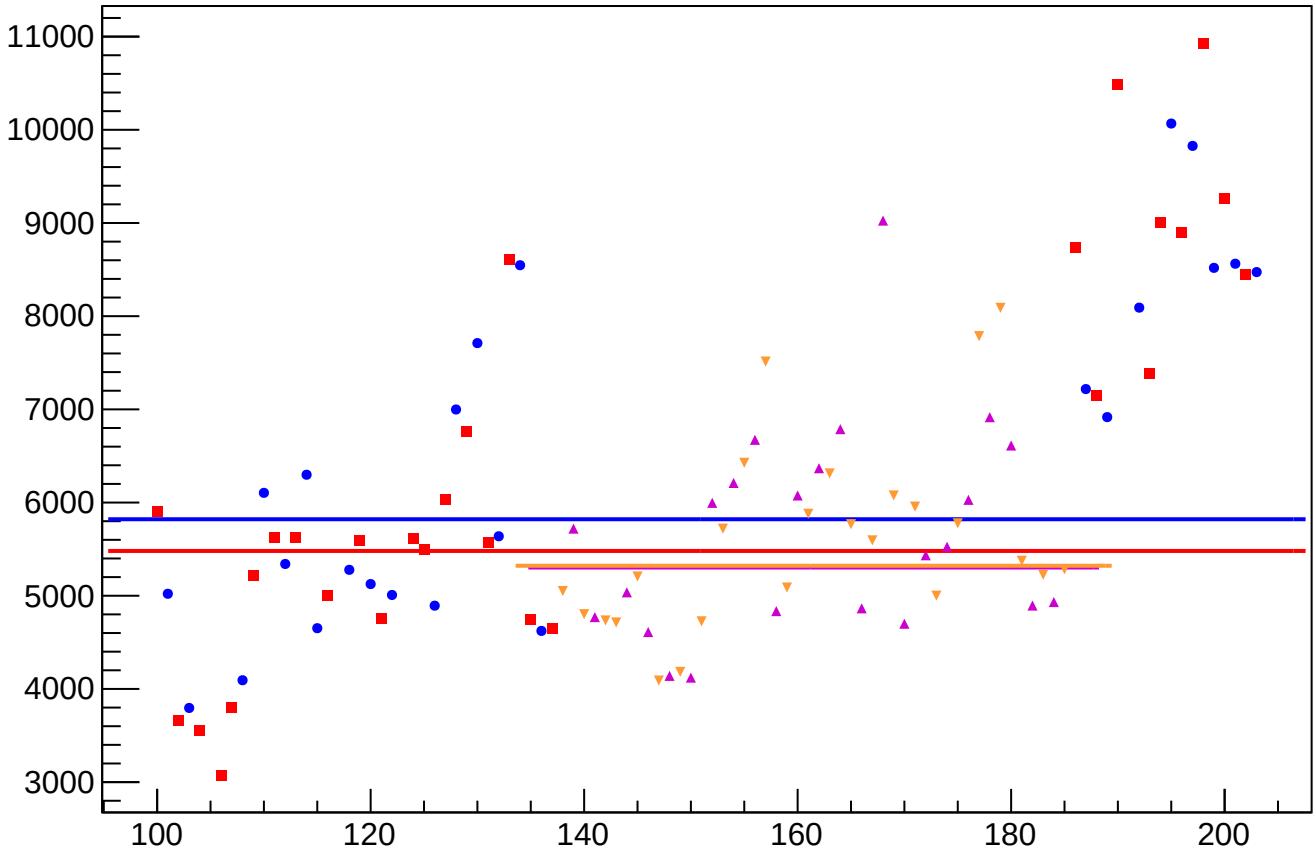
Left: 182.935+/-882.350 χ^2/NDF: 40.9/47

Right: -1594.499+/-1136.789 χ^2/NDF: 49.5/51

In: -501.463+/-1009.139 χ^2/NDF:40.1/46

Out: -470.558+/-963.902 χ^2/NDF:51.8/52

All: -485.302+/-697.025 χ^2/NDF: 91.9/99



Right In: 5821.002+/-1.187 χ^2/NDF: 2197874.1/23

Left Out: 5321.965+/-0.872 χ^2/NDF:1037011.4/24

Right Out: 5480.683+/-1.092 χ^2/NDF: 3243643.1/27

Left In: 5302.858+/-0.893 χ^2/NDF:1152380.1/22

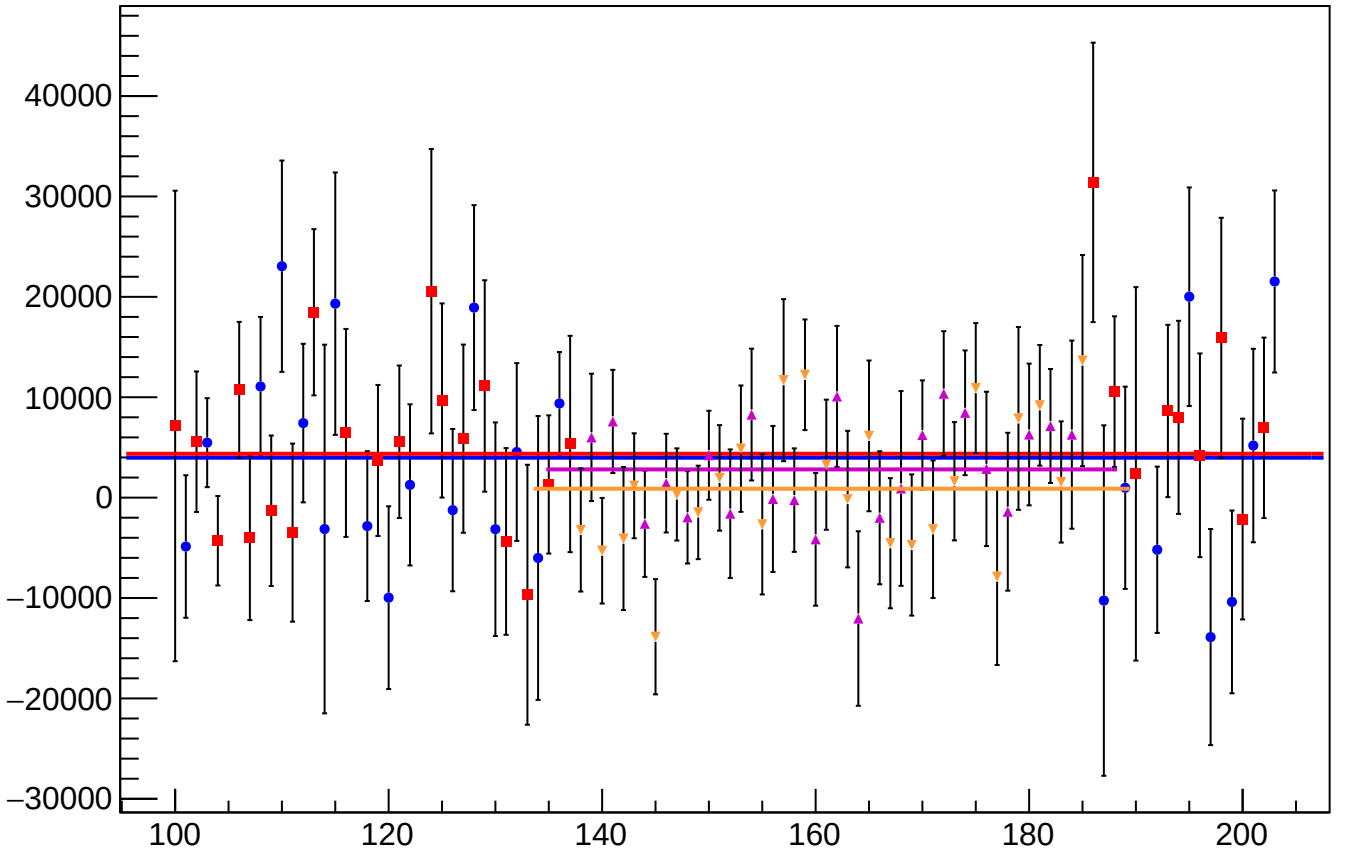
Left: 5312.634+/-0.624 χ^2/NDF: 2189625.8/47

Right: 5636.672+/-0.804 χ^2/NDF: 5486017.3/51

In: 5490.013+/-0.714 χ^2/NDF:3471912.8/46

Out: 5383.772+/-0.682 χ^2/NDF:4293548.1/52

All: 5434.458+/-0.493 χ^2/NDF: 7777052.3/99



Right In: 3979.076+/-1713.724 χ^2/NDF: 28.8/23

Left Out: 885.482+/-1246.500 χ^2/NDF:25.7/24

Right Out: 4371.124+/-1640.960 χ^2/NDF: 20.7/27

Left In: 2810.702+/-1277.225 χ^2/NDF:14.7/22

Left: 1824.657+/-892.073 χ^2/NDF: 41.5/47

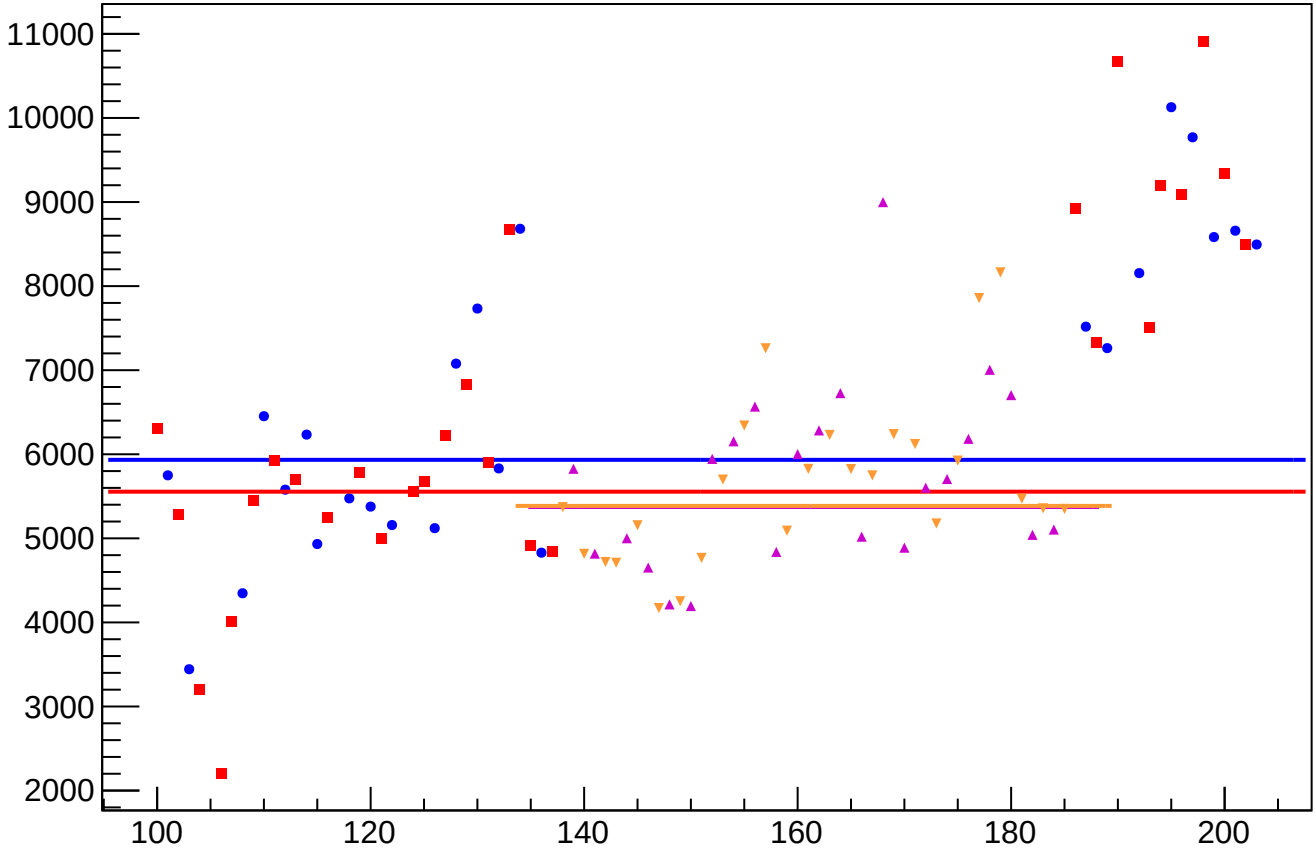
Right: 4183.599+/-1185.223 χ^2/NDF: 49.5/51

In: 3227.932+/-1024.089 χ^2/NDF:43.8/46

Out: 2160.848+/-992.600 χ^2/NDF:49.2/52

All: 2677.732+/-712.747 χ^2/NDF: 93.6/99

asym_usr_atr2_avg_rms vs Slug, Sign Corrected



Right In: 5933.608+/-1.212 χ^2/NDF: 2299394.6/23

Left Out: 5385.653+/-0.881 χ^2/NDF:987089.3/24

Right Out: 5555.030+/-1.126 χ^2/NDF: 3757254.7/27

Left In: 5372.867+/-0.903 χ^2/NDF:1071821.2/22

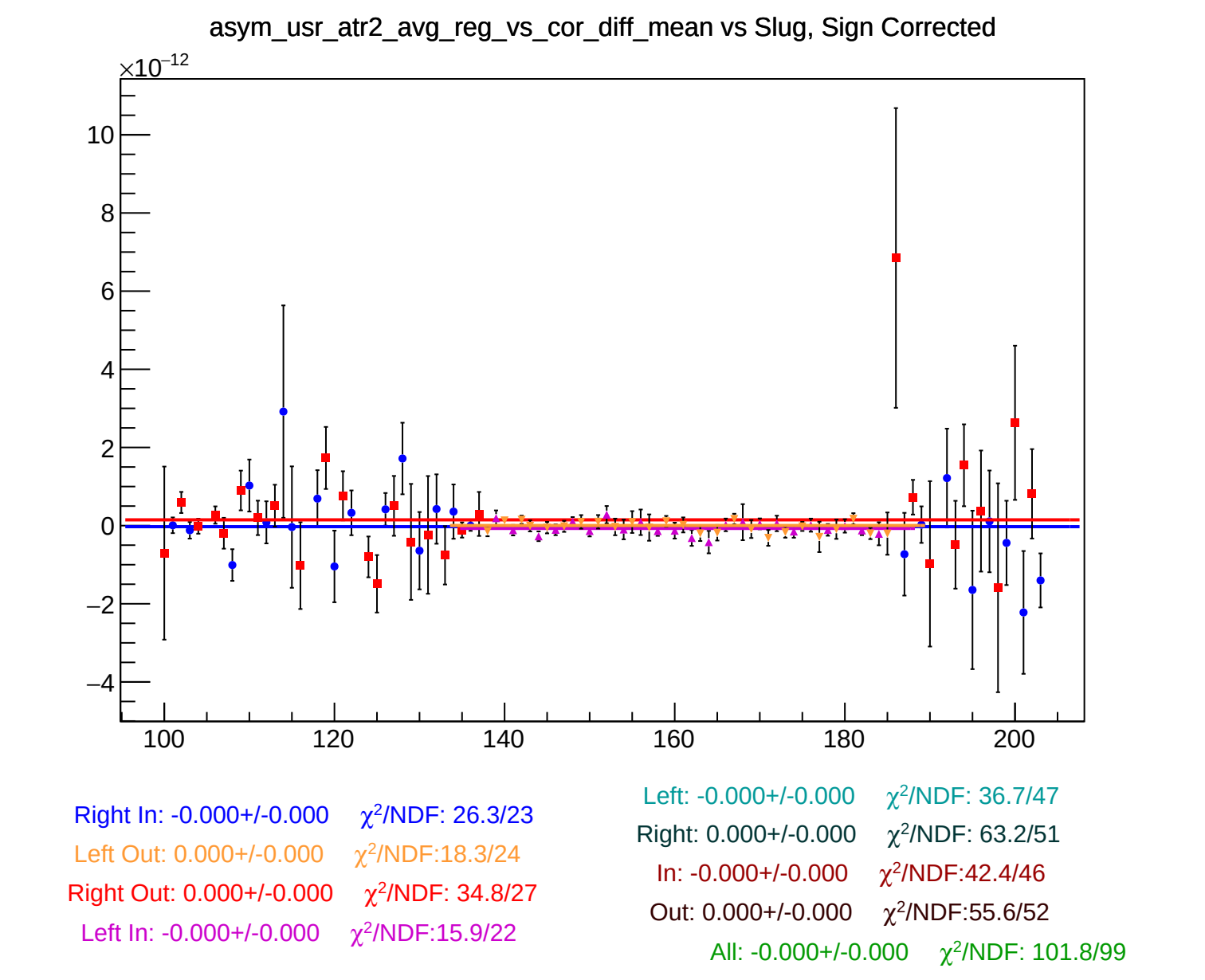
Left: 5379.416+/-0.631 χ^2/NDF: 2059013.2/47

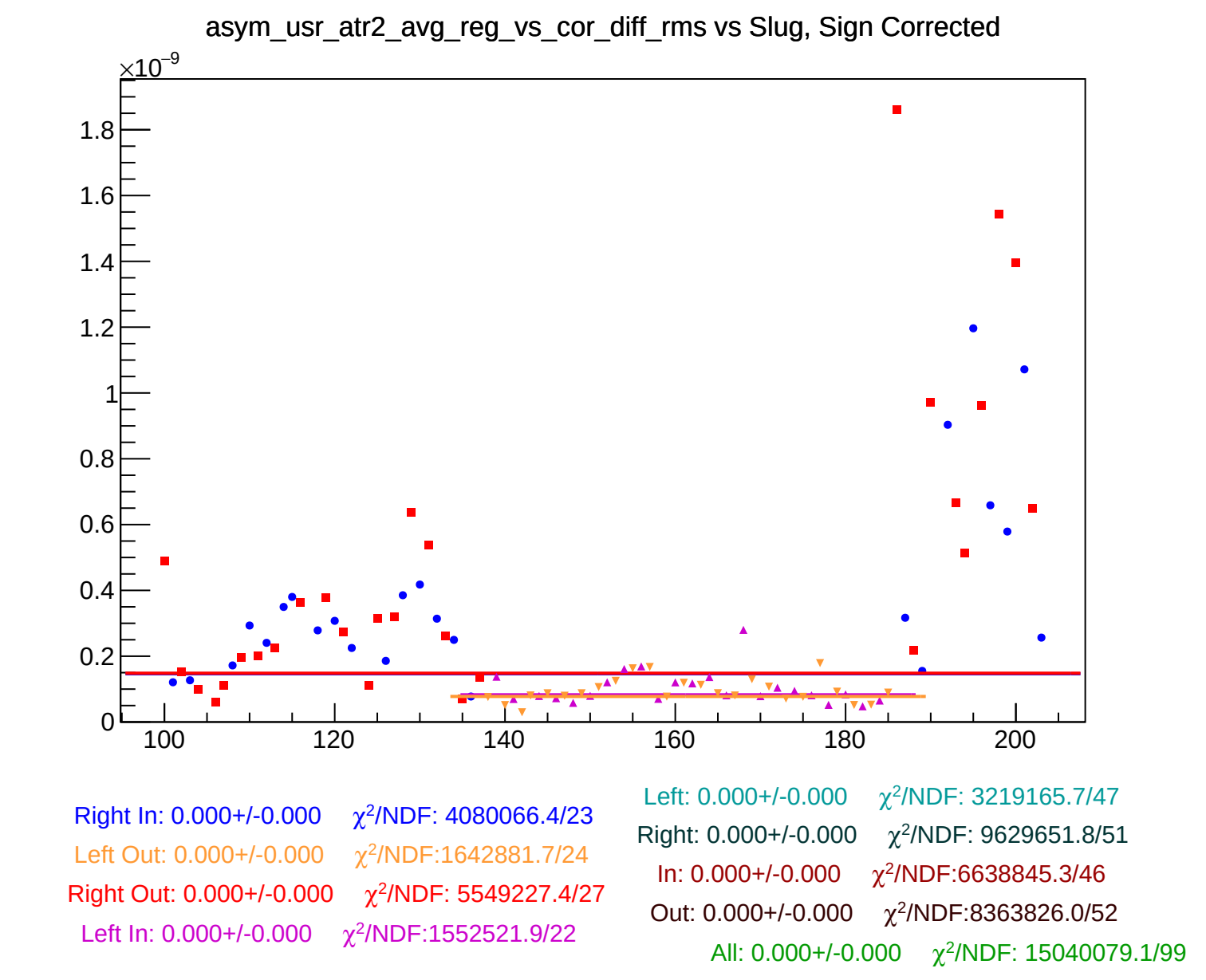
Right: 5730.463+/-0.825 χ^2/NDF: 6109022.8/51

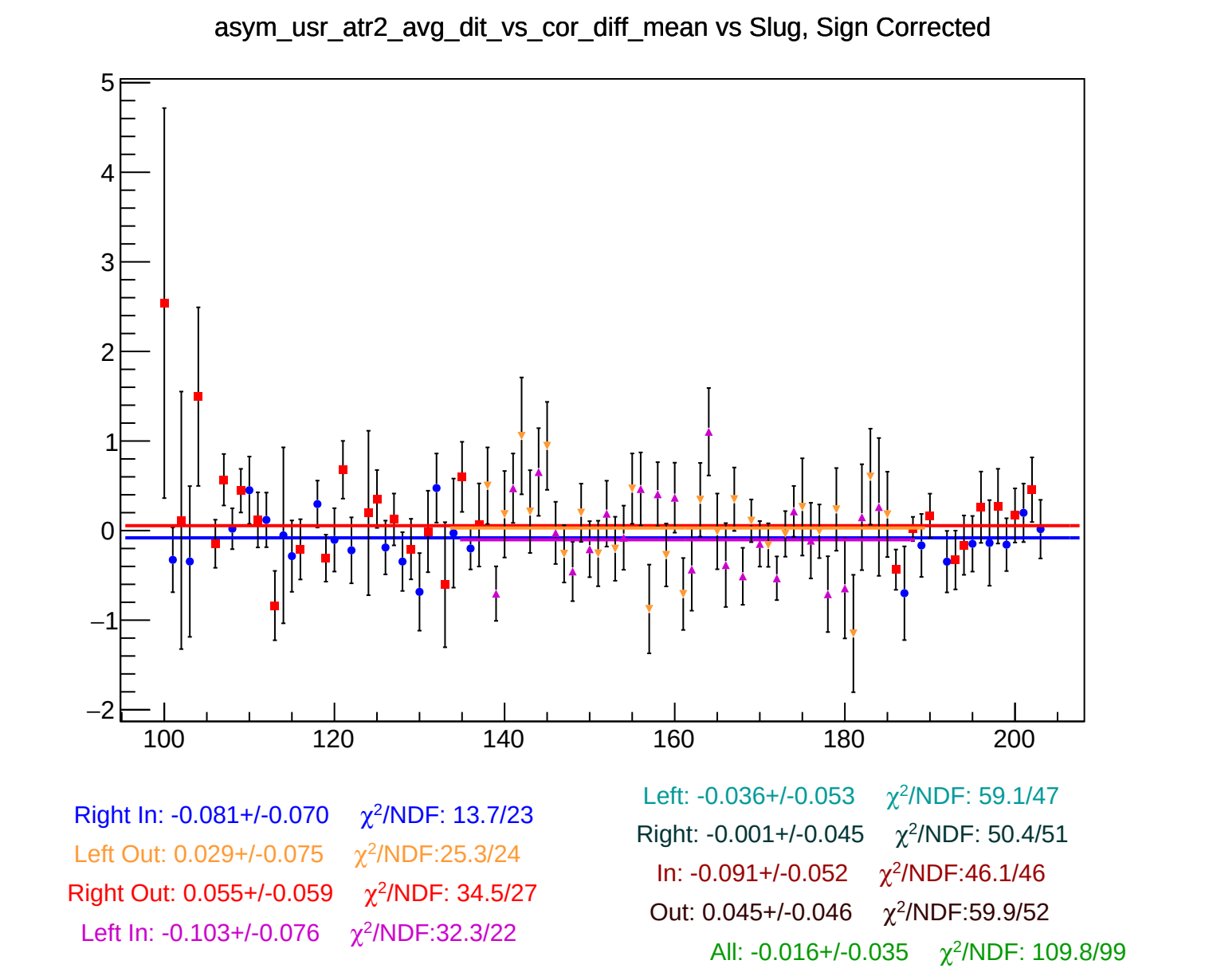
In: 5573.109+/-0.724 χ^2/NDF:3508878.0/46

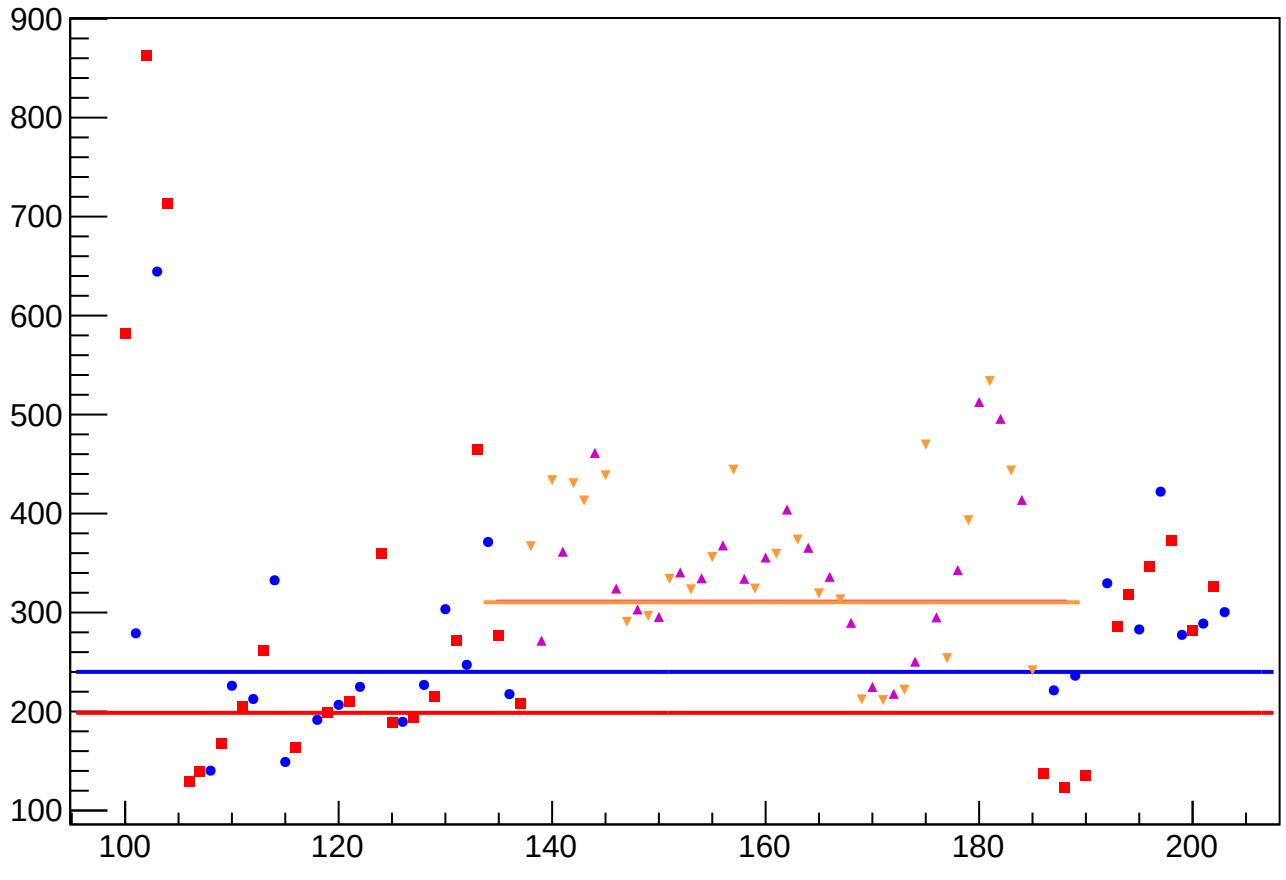
Out: 5449.999+/-0.694 χ^2/NDF:4758372.6/52

All: 5508.946+/-0.501 χ^2/NDF: 8282314.7/99


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: 26.3/23
Left Out: 0.000+/-0.000 χ²/NDF:18.3/24
Right Out: 0.000+/-0.000 χ²/NDF: 34.8/27
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: 63.2/51
In: -0.000+/-0.000 χ²/NDF:42.4/46
Out: 0.000+/-0.000 χ²/NDF:55.6/52
All: -0.000+/-0.000 χ²/NDF: 101.8/99


asym_usr_atr2_avg_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
100
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 4080066.4/23
Left Out: 0.000+/-0.000 χ²/NDF:1642881.7/24
Right Out: 0.000+/-0.000 χ²/NDF: 5549227.4/27
Left In: 0.000+/-0.000 χ²/NDF:1552521.9/22
Left: 0.000+/-0.000 χ²/NDF: 3219165.7/47
Right: 0.000+/-0.000 χ²/NDF: 9629651.8/51
In: 0.000+/-0.000 χ²/NDF:6638845.3/46
Out: 0.000+/-0.000 χ²/NDF:8363826.0/52
All: 0.000+/-0.000 χ²/NDF: 15040079.1/99


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: -0.081+/-0.070 χ²/NDF: 13.7/23
Left Out: 0.029+/-0.075 χ²/NDF:25.3/24
Right Out: 0.055+/-0.059 χ²/NDF: 34.5/27
Left In: -0.103+/-0.076 χ²/NDF:32.3/22
Left: -0.036+/-0.053 χ²/NDF: 59.1/47
Right: -0.001+/-0.045 χ²/NDF: 50.4/51
In: -0.091+/-0.052 χ²/NDF:46.1/46
Out: 0.045+/-0.046 χ²/NDF:59.9/52
All: -0.016+/-0.035 χ²/NDF: 109.8/99



Right In: 240.023+/-0.050 χ^2/NDF: 1925343.1/23

Left Out: 310.359+/-0.053 χ^2/NDF:2363086.4/24

Right Out: 198.685+/-0.042 χ^2/NDF: 4177877.2/27

Left In: 310.960+/-0.054 χ^2/NDF:1600370.0/22

Left: 310.653+/-0.038 χ^2/NDF: 3963519.7/47

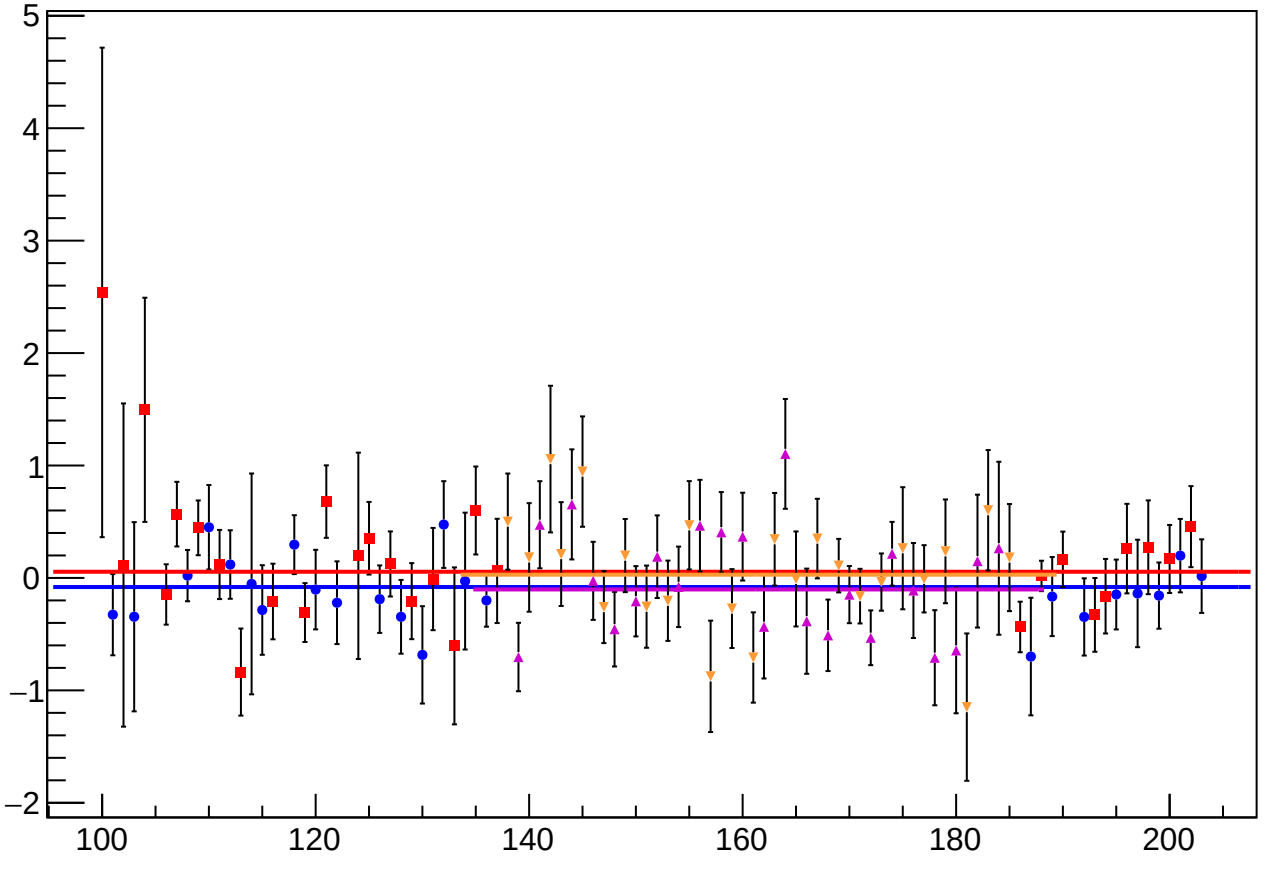
Right: 215.858+/-0.032 χ^2/NDF: 6506982.6/51

In: 272.637+/-0.037 χ^2/NDF:4460790.3/46

Out: 241.877+/-0.033 χ^2/NDF:9284415.8/52

All: 255.610+/-0.024 χ^2/NDF: 14137032.2/99

asym_usr_atr2_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.081+/-0.070 χ^2/NDF: 13.7/23

Left Out: 0.029+/-0.075 χ^2/NDF:25.3/24

Right Out: 0.055+/-0.059 χ^2/NDF: 34.5/27

Left In: -0.103+/-0.076 χ^2/NDF:32.3/22

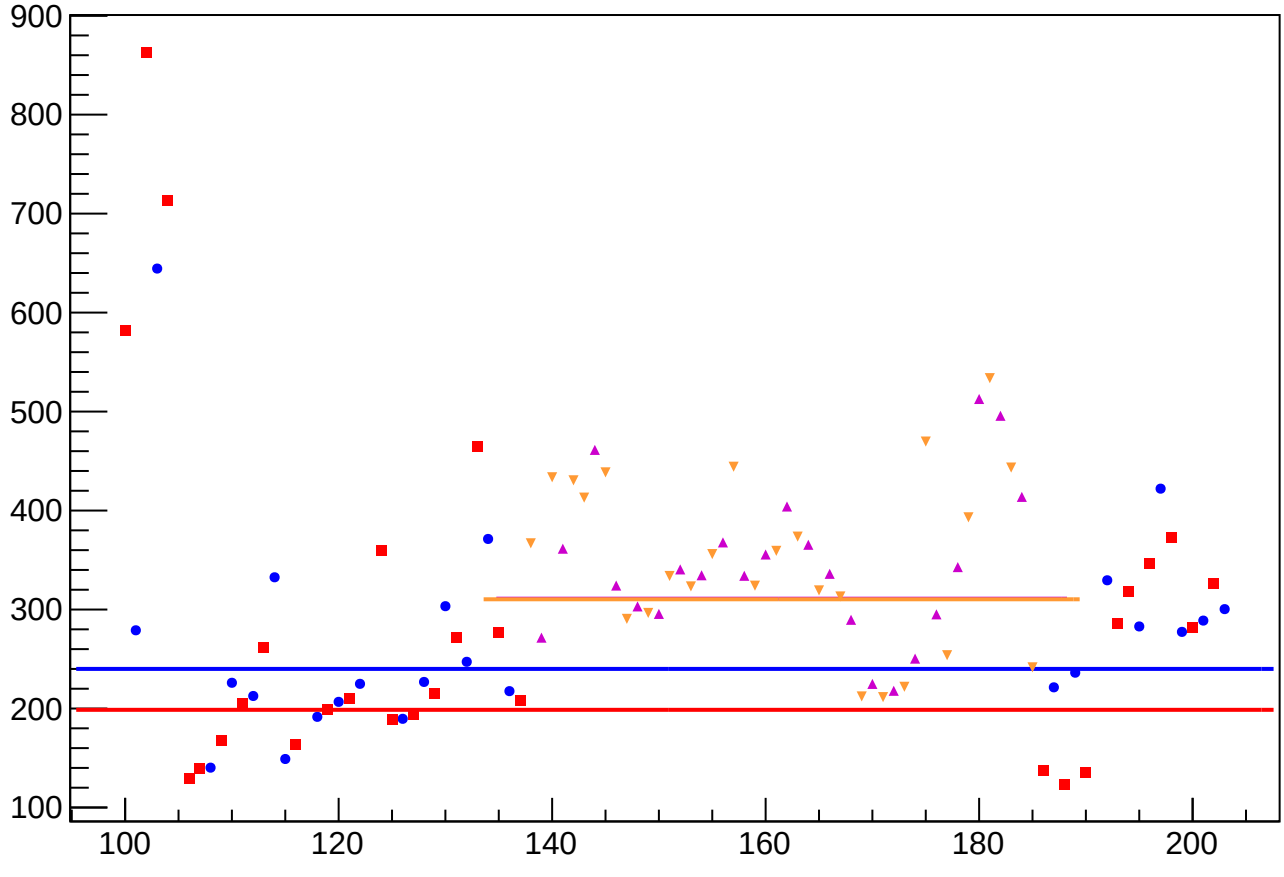
Left: -0.036+/-0.053 χ^2/NDF: 59.1/47

Right: -0.001+/-0.045 χ^2/NDF: 50.4/51

In: -0.091+/-0.052 χ^2/NDF:46.1/46

Out: 0.045+/-0.046 χ^2/NDF:59.9/52

All: -0.016+/-0.035 χ^2/NDF: 109.8/99



Right In: 240.023+/-0.050 χ^2/NDF: 1925343.1/23

Left Out: 310.359+/-0.053 χ^2/NDF:2363086.4/24

Right Out: 198.685+/-0.042 χ^2/NDF: 4177877.2/27

Left In: 310.960+/-0.054 χ^2/NDF:1600370.0/22

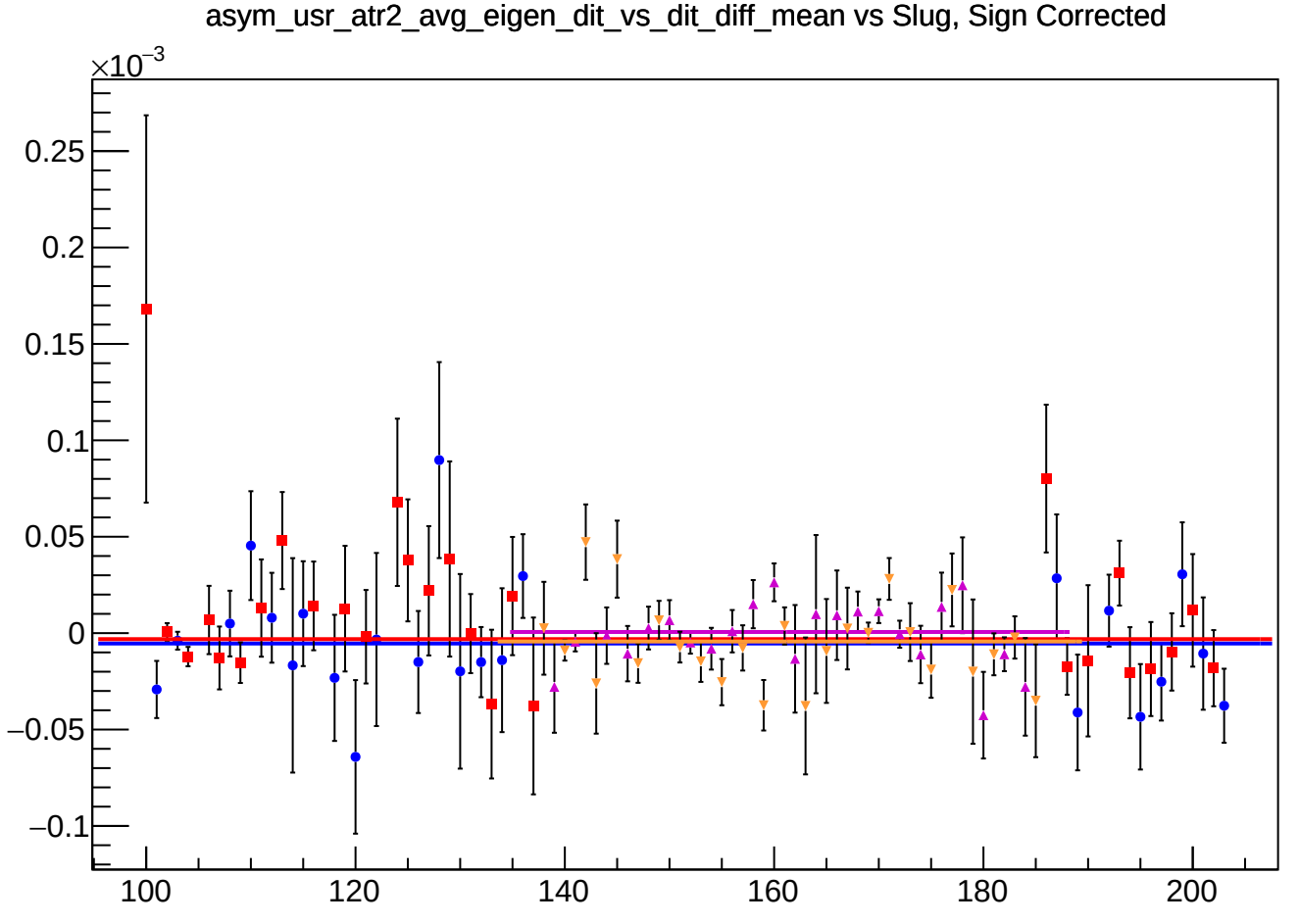
Left: 310.653+/-0.038 χ^2/NDF: 3963519.7/47

Right: 215.858+/-0.032 χ^2/NDF: 6506982.6/51

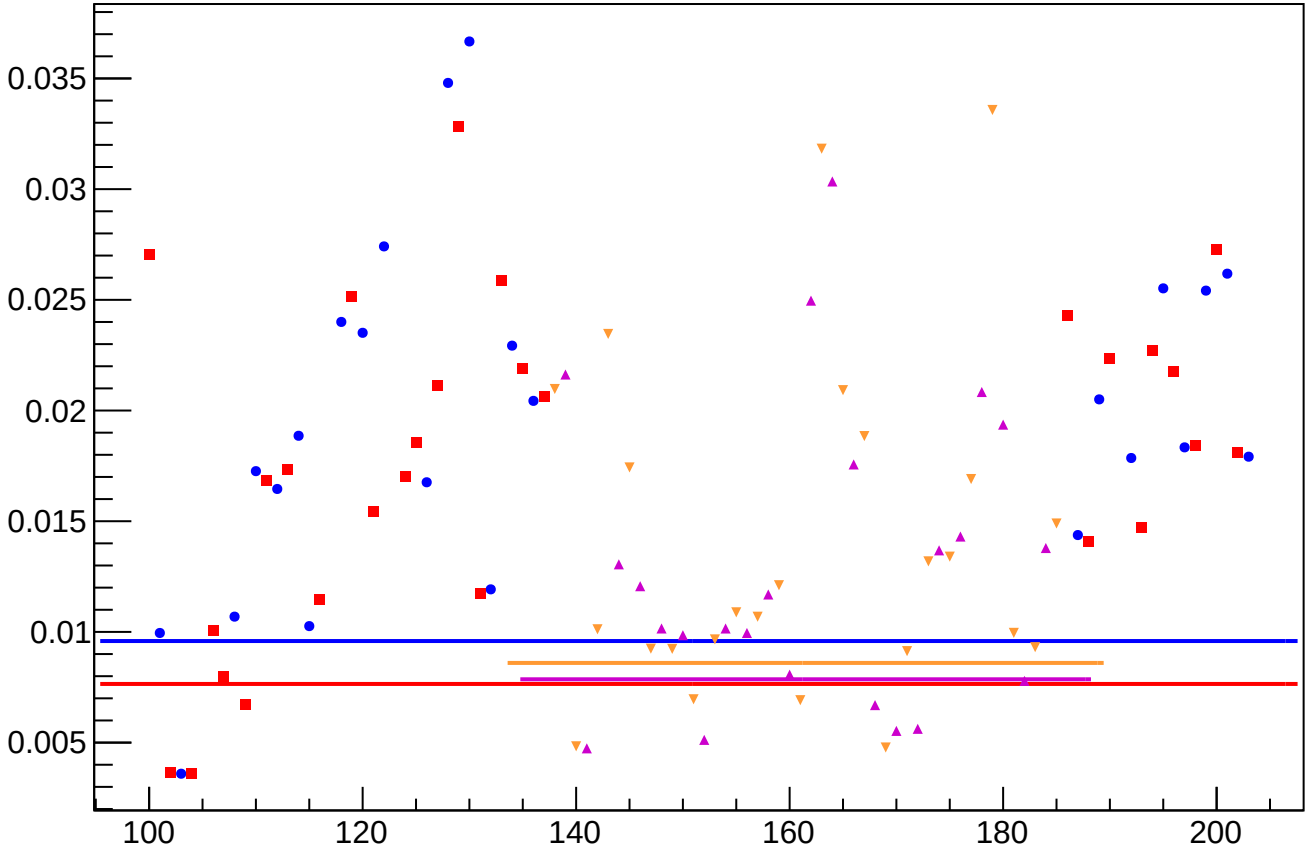
In: 272.637+/-0.037 χ^2/NDF:4460790.3/46

Out: 241.877+/-0.033 χ^2/NDF:9284415.8/52

All: 255.610+/-0.024 χ^2/NDF: 14137032.2/99


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: 27.0/23
Left Out: -0.000+/-0.000 χ²/NDF:42.3/24
Right Out: -0.000+/-0.000 χ²/NDF: 33.4/27
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: 60.6/51
In: -0.000+/-0.000 χ²/NDF:55.7/46
Out: -0.000+/-0.000 χ²/NDF:75.8/52
All: -0.000+/-0.000 χ²/NDF: 132.7/99

asym_usr_atr2_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.010+/-0.000 χ^2/NDF: 10170418.6/23

Left Out: 0.009+/-0.000 χ^2/NDF:7653564.7/24

Right Out: 0.008+/-0.000 χ^2/NDF: 11541136.8/27

Left In: 0.008+/-0.000 χ^2/NDF:6779815.5/22

Left: 0.008+/-0.000 χ^2/NDF: 14546579.4/47

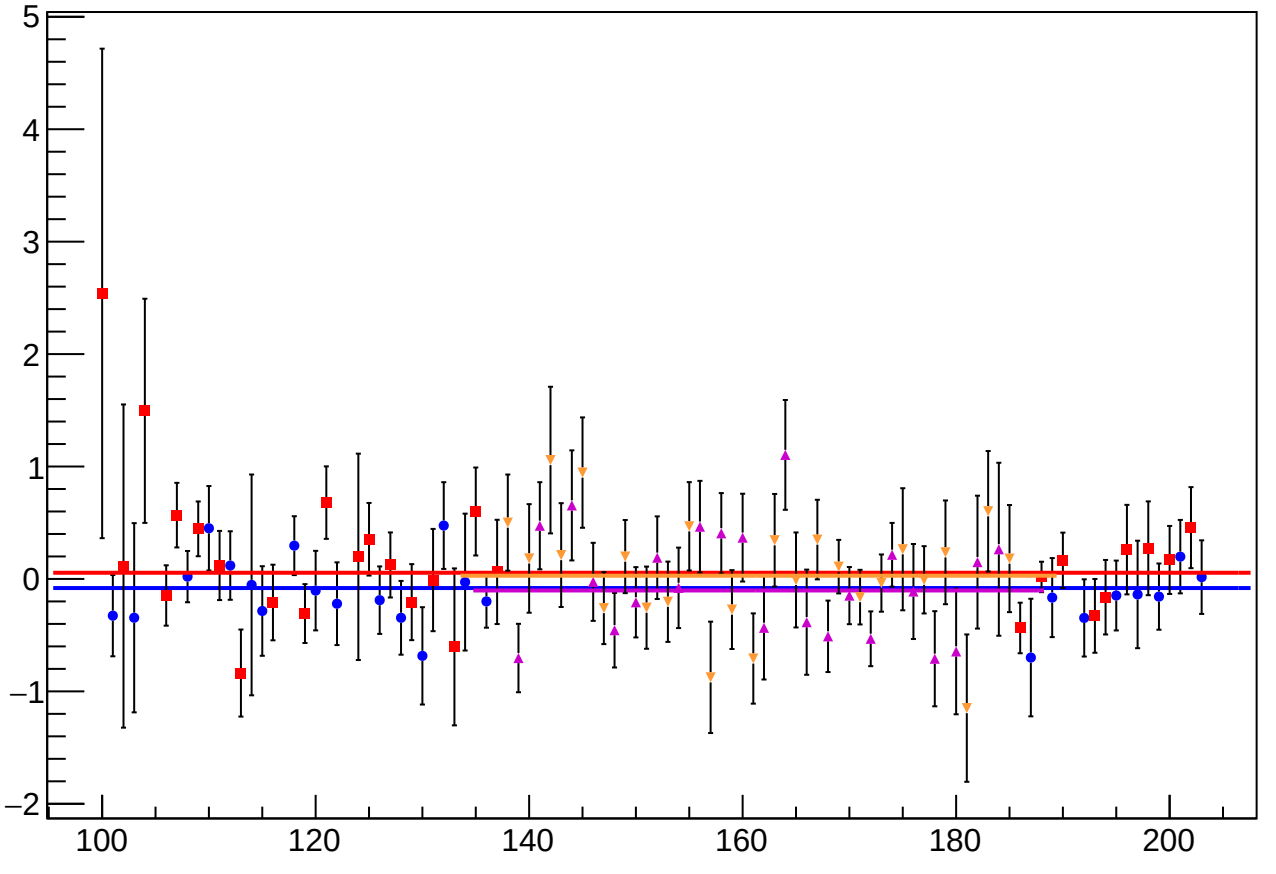
Right: 0.008+/-0.000 χ^2/NDF: 22103398.9/51

In: 0.008+/-0.000 χ^2/NDF:17310754.7/46

Out: 0.008+/-0.000 χ^2/NDF:19341712.2/52

All: 0.008+/-0.000 χ^2/NDF: 36658027.5/99

asym_usr_atr2_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.081+/-0.070 χ^2/NDF: 13.7/23

Left Out: 0.029+/-0.075 χ^2/NDF:25.3/24

Right Out: 0.055+/-0.059 χ^2/NDF: 34.5/27

Left In: -0.103+/-0.076 χ^2/NDF:32.3/22

Left: -0.036+/-0.053 χ^2/NDF: 59.1/47

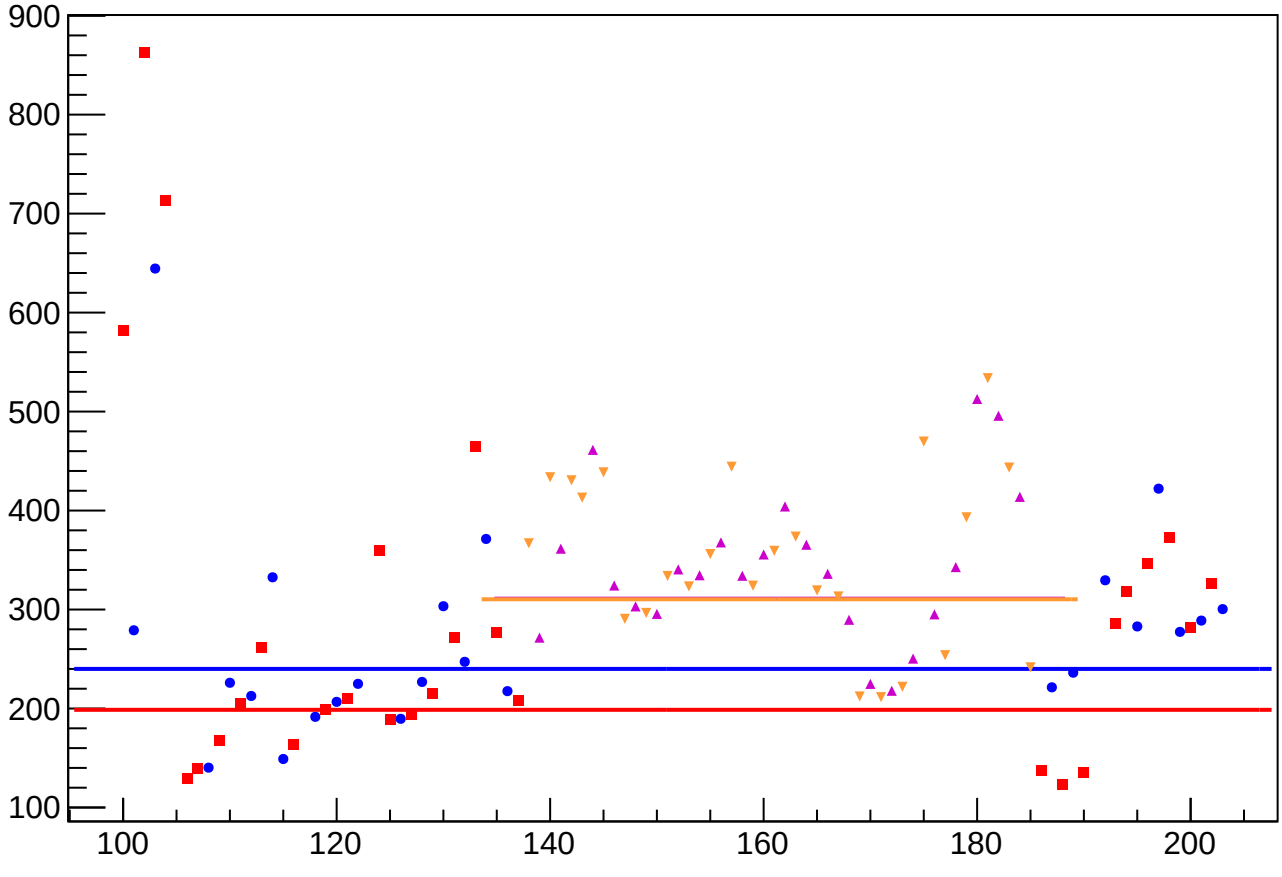
Right: -0.001+/-0.045 χ^2/NDF: 50.4/51

In: -0.091+/-0.052 χ^2/NDF:46.1/46

Out: 0.045+/-0.046 χ^2/NDF:59.9/52

All: -0.016+/-0.035 χ^2/NDF: 109.8/99

asym_usr_atr2_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 240.023+/-0.050 χ^2/NDF: 1925340.3/23

Left Out: 310.362+/-0.053 χ^2/NDF:2363148.8/24

Right Out: 198.683+/-0.042 χ^2/NDF: 4178016.7/27

Left In: 310.963+/-0.054 χ^2/NDF:1600401.1/22

Left: 310.656+/-0.038 χ^2/NDF: 3963613.3/47

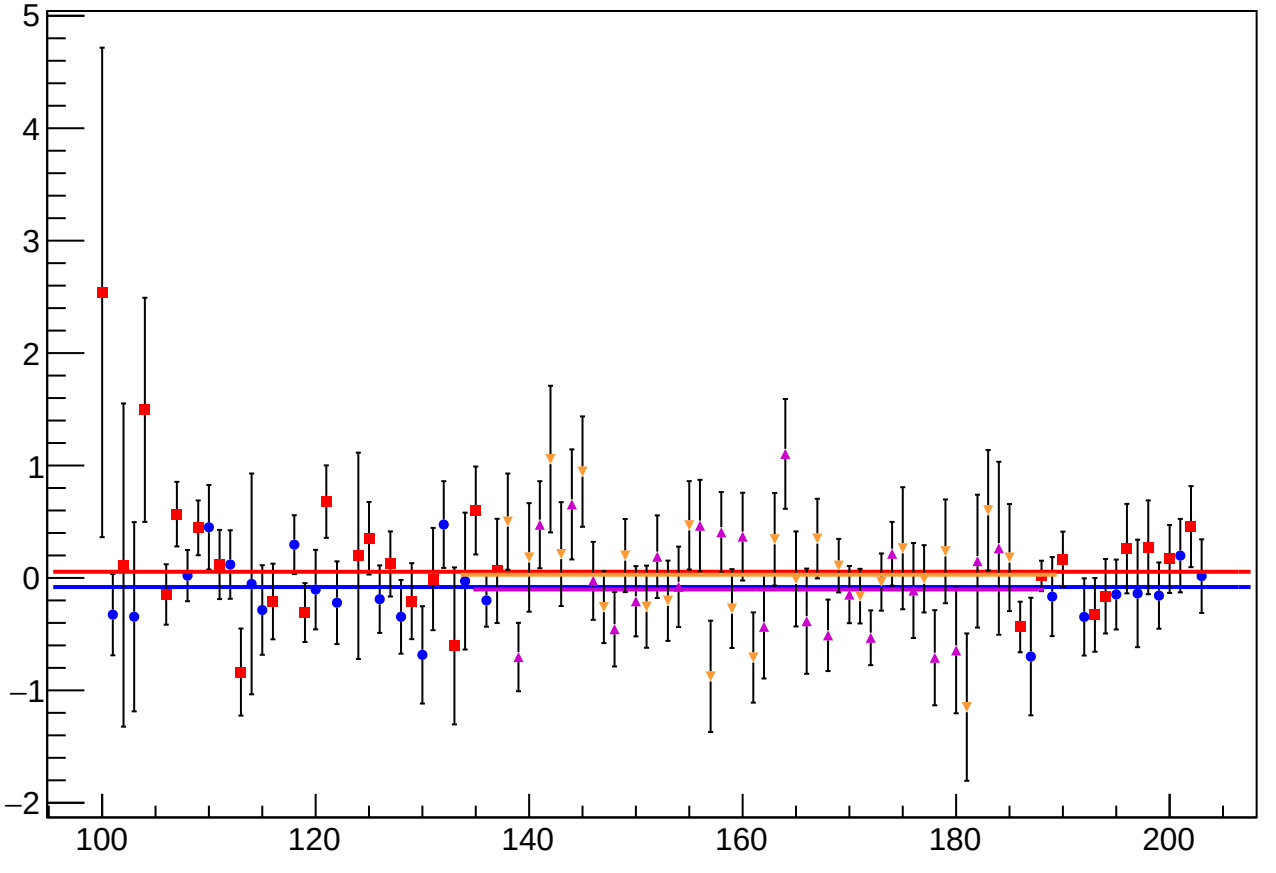
Right: 215.856+/-0.032 χ^2/NDF: 6507166.4/51

In: 272.637+/-0.037 χ^2/NDF:4460914.0/46

Out: 241.875+/-0.033 χ^2/NDF:9284897.1/52

All: 255.610+/-0.024 χ^2/NDF: 14137695.6/99

asym_usr_atr2_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.081+/-0.070 χ^2/NDF: 13.7/23

Left Out: 0.029+/-0.075 χ^2/NDF:25.3/24

Right Out: 0.055+/-0.059 χ^2/NDF: 34.5/27

Left In: -0.103+/-0.076 χ^2/NDF:32.3/22

Left: -0.036+/-0.053 χ^2/NDF: 59.1/47

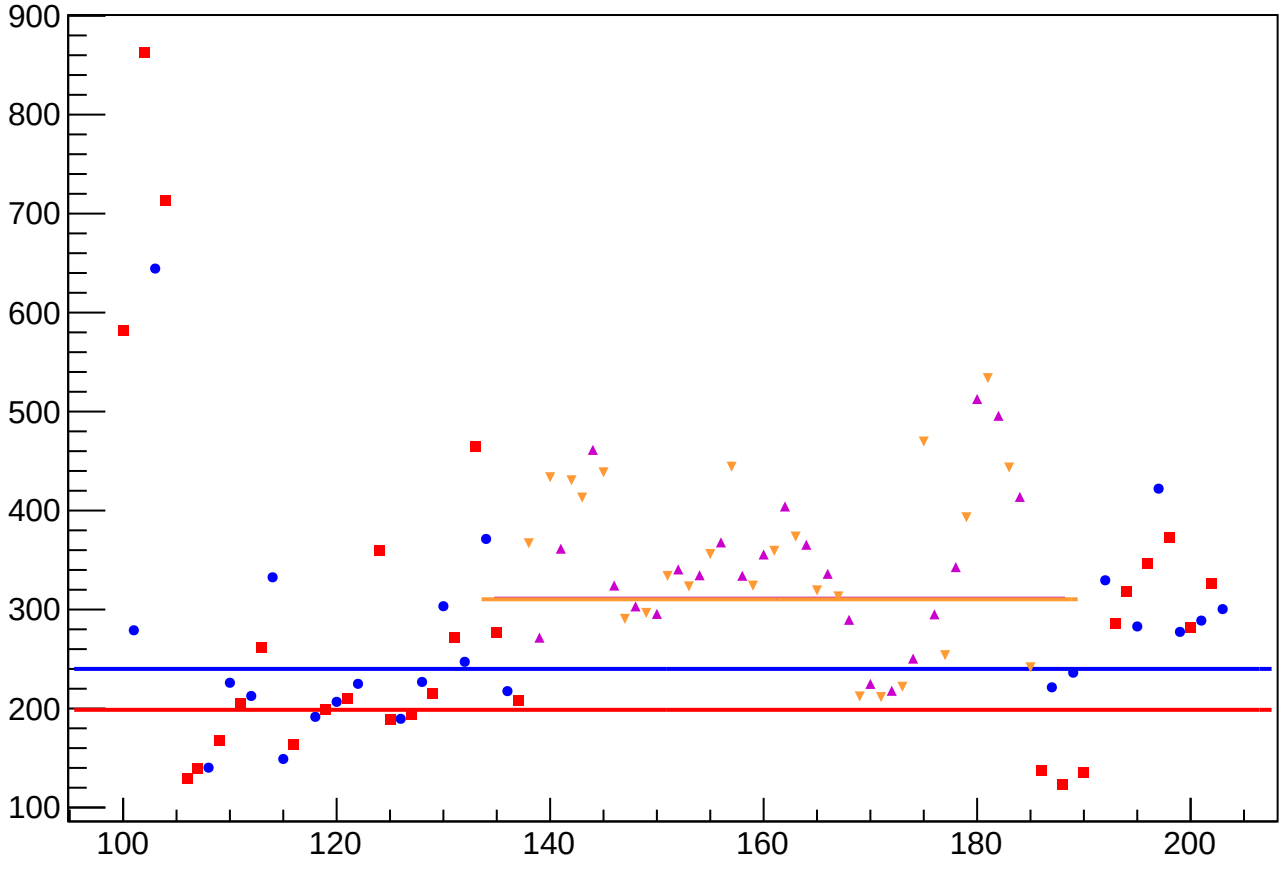
Right: -0.001+/-0.045 χ^2/NDF: 50.4/51

In: -0.091+/-0.052 χ^2/NDF:46.1/46

Out: 0.045+/-0.046 χ^2/NDF:59.9/52

All: -0.016+/-0.035 χ^2/NDF: 109.8/99

asym_usr_atr2_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 240.023+/-0.050 χ^2/NDF: 1925340.3/23

Left Out: 310.362+/-0.053 χ^2/NDF:2363148.8/24

Right Out: 198.683+/-0.042 χ^2/NDF: 4178016.7/27

Left In: 310.963+/-0.054 χ^2/NDF:1600401.1/22

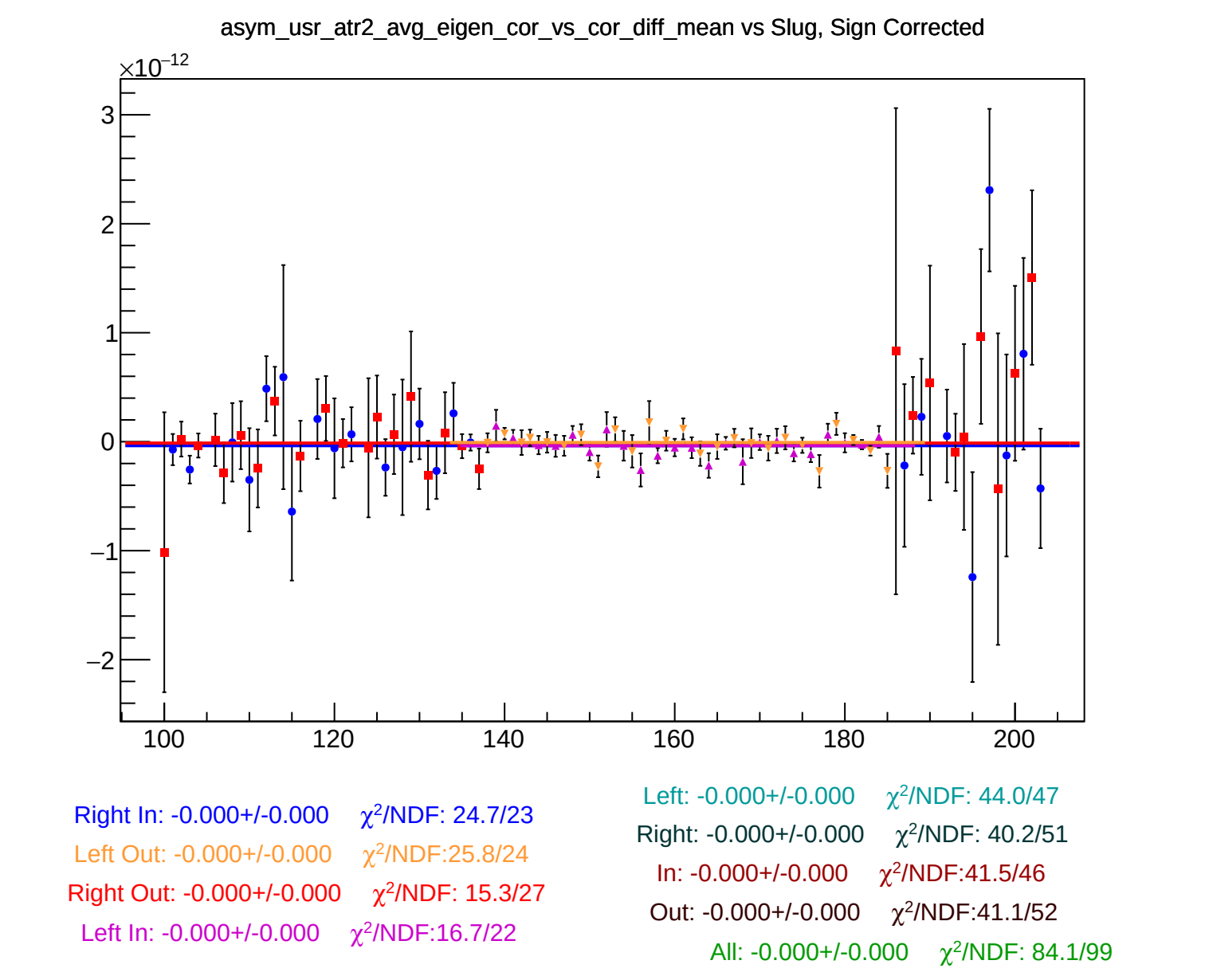
Left: 310.656+/-0.038 χ^2/NDF: 3963613.3/47

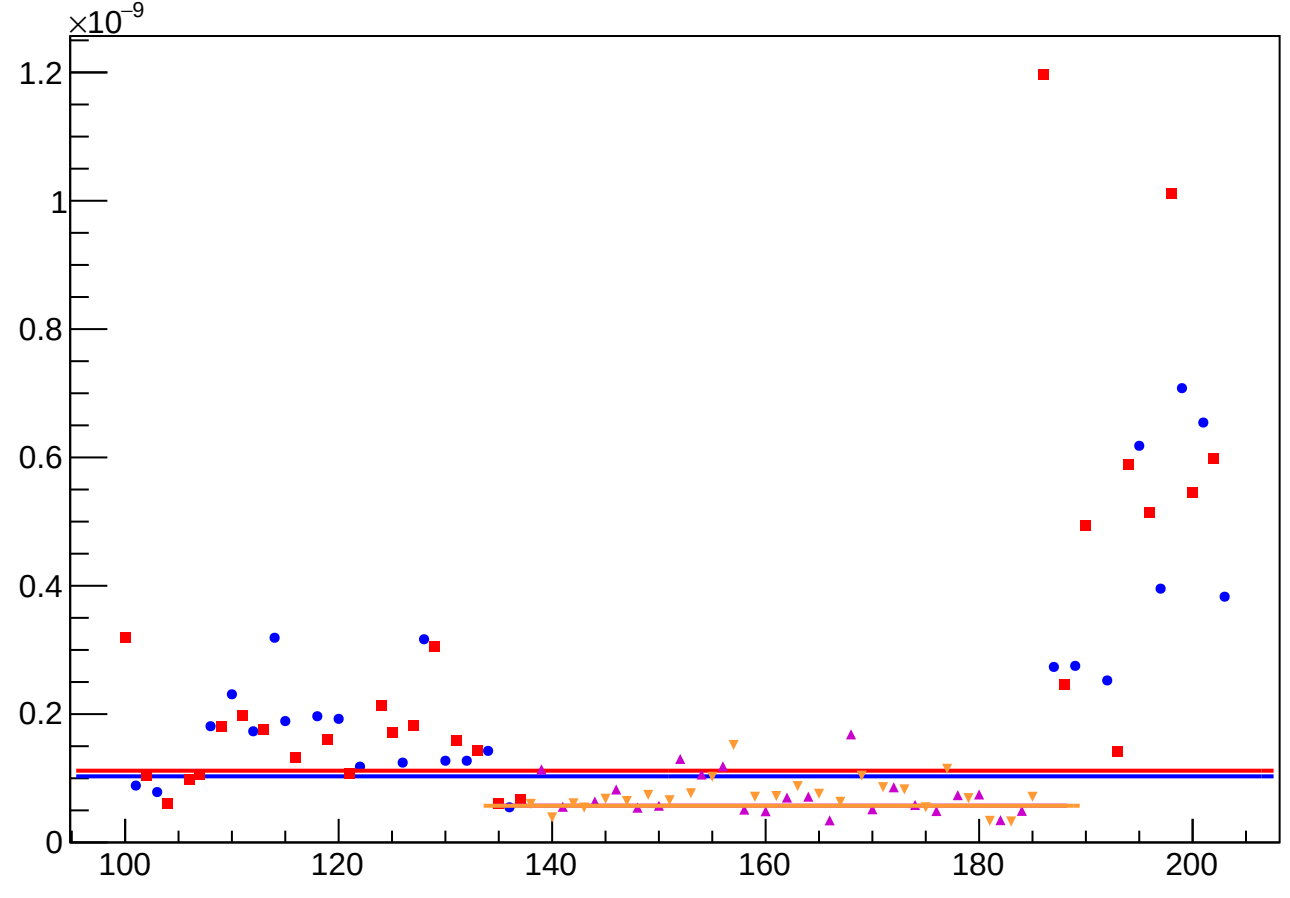
Right: 215.856+/-0.032 χ^2/NDF: 6507166.4/51

In: 272.637+/-0.037 χ^2/NDF:4460914.0/46

Out: 241.875+/-0.033 χ^2/NDF:9284897.1/52

All: 255.610+/-0.024 χ^2/NDF: 14137695.6/99


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: 24.7/23
Left Out: -0.000+/-0.000 χ²/NDF:25.8/24
Right Out: -0.000+/-0.000 χ²/NDF: 15.3/27
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: 40.2/51
In: -0.000+/-0.000 χ²/NDF:41.5/46
Out: -0.000+/-0.000 χ²/NDF:41.1/52
All: -0.000+/-0.000 χ²/NDF: 84.1/99



Right In: 0.000+/-0.000 χ^2/NDF: 5542808.6/23

Left Out: 0.000+/-0.000 χ^2/NDF:3337849.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 6110309.2/27

Left In: 0.000+/-0.000 χ^2/NDF:3299416.7/22

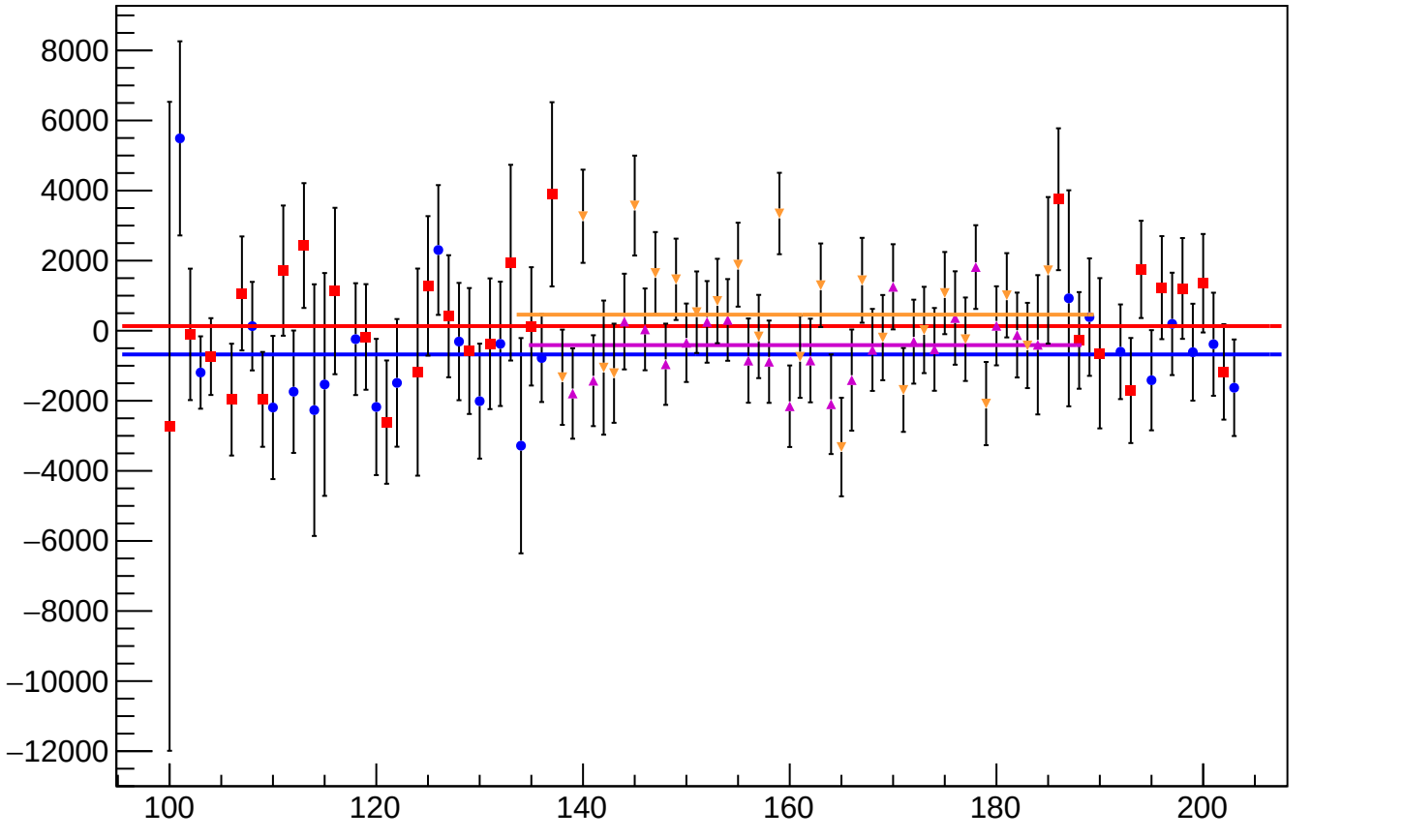
Left: 0.000+/-0.000 χ^2/NDF: 6637359.5/47

Right: 0.000+/-0.000 χ^2/NDF: 11684713.7/51

In: 0.000+/-0.000 χ^2/NDF:10393858.0/46

Out: 0.000+/-0.000 χ^2/NDF:11551323.1/52

All: 0.000+/-0.000 χ^2/NDF: 21945415.1/99



Right In: -677.083+/-334.187 χ^2/NDF: 13.5/23

Left Out: 458.782+/-251.538 χ^2/NDF:42.1/24

Right Out: 132.387+/-318.646 χ^2/NDF: 22.5/27

Left In: -411.262+/-257.201 χ^2/NDF:13.7/22

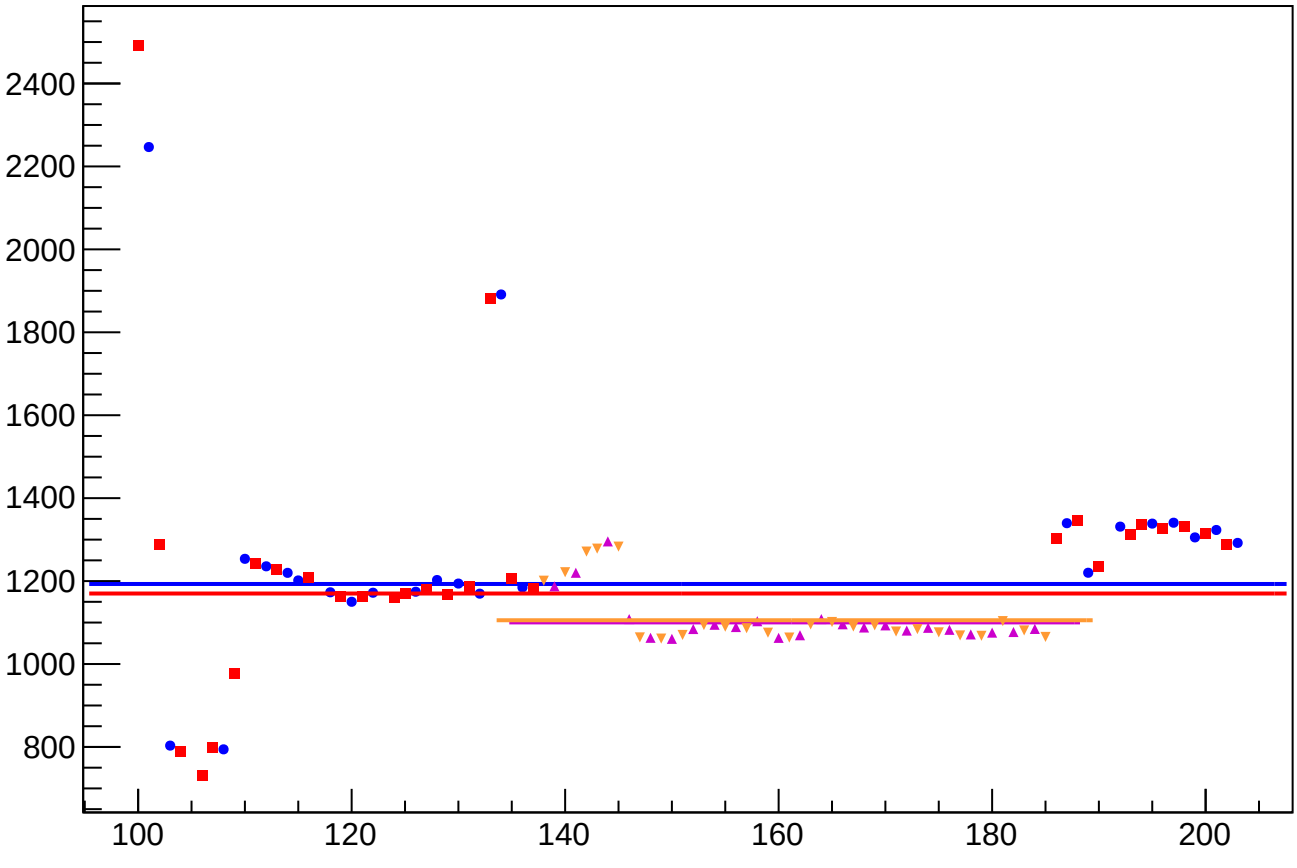
Left: 33.443+/-179.833 χ^2/NDF: 61.6/47

Right: -253.088+/-230.615 χ^2/NDF: 39.2/51

In: -510.145+/-203.824 χ^2/NDF:27.6/46

Out: 333.475+/-197.435 χ^2/NDF:65.3/52

All: -74.906+/-141.813 χ^2/NDF: 101.7/99



Right In: 1193.028+/-0.236 χ^2/NDF: 988429.7/23

Left Out: 1105.549+/-0.178 χ^2/NDF:121950.0/24

Right Out: 1170.030+/-0.224 χ^2/NDF: 933798.4/27

Left In: 1100.350+/-0.182 χ^2/NDF:80240.5/22

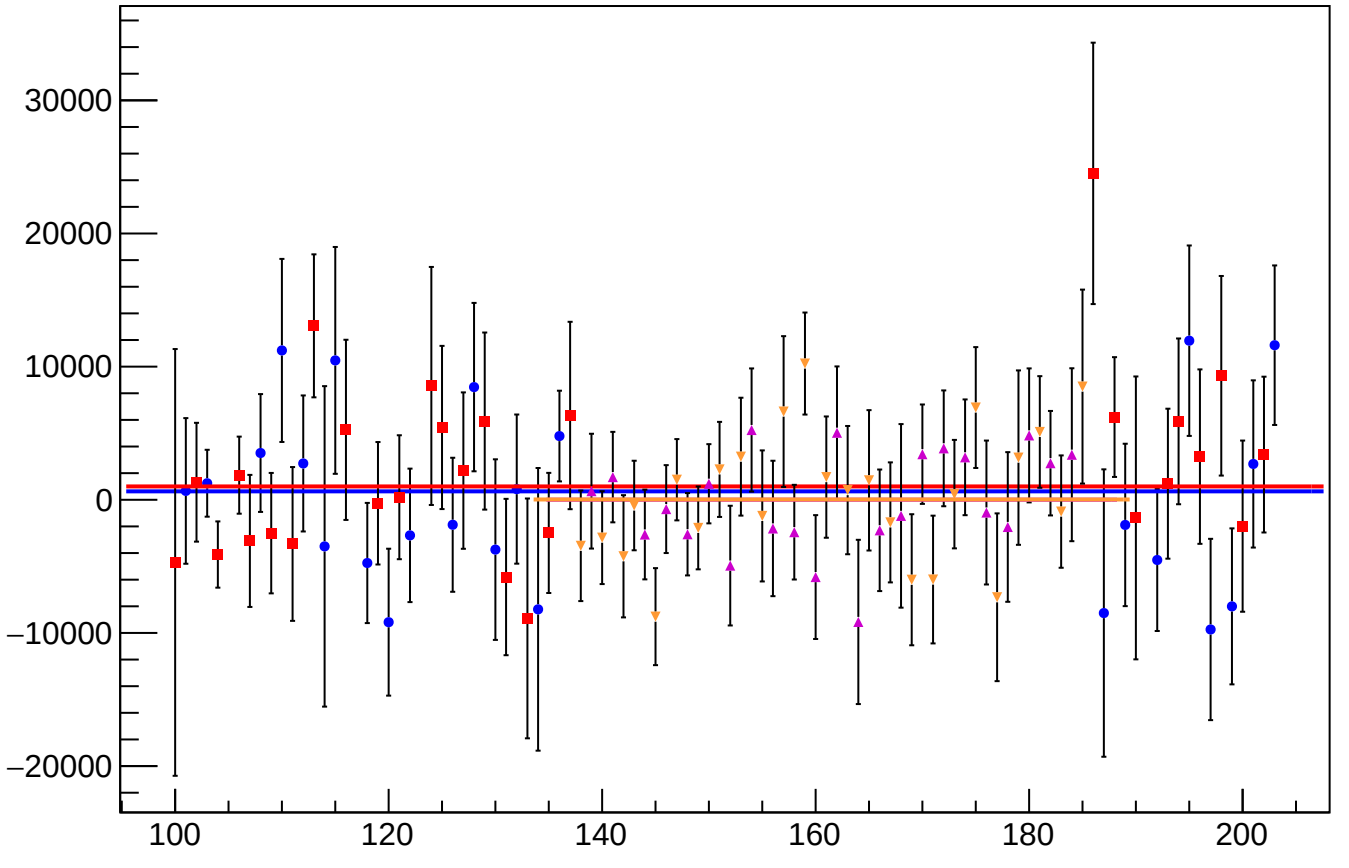
Left: 1103.007+/-0.127 χ^2/NDF: 202608.2/47

Right: 1180.924+/-0.163 χ^2/NDF: 1927213.1/51

In: 1134.825+/-0.144 χ^2/NDF:1165268.5/46

Out: 1130.457+/-0.139 χ^2/NDF:1106516.0/52

All: 1132.567+/-0.100 χ^2/NDF: 2272259.4/99



Right In: 633.669+/-1083.278 χ^2/NDF: 26.2/23

Left Out: 23.368+/-850.404 χ^2/NDF:28.5/24

Right Out: 1003.287+/-987.024 χ^2/NDF: 26.9/27

Left In: 6.317+/-875.256 χ^2/NDF:14.0/22

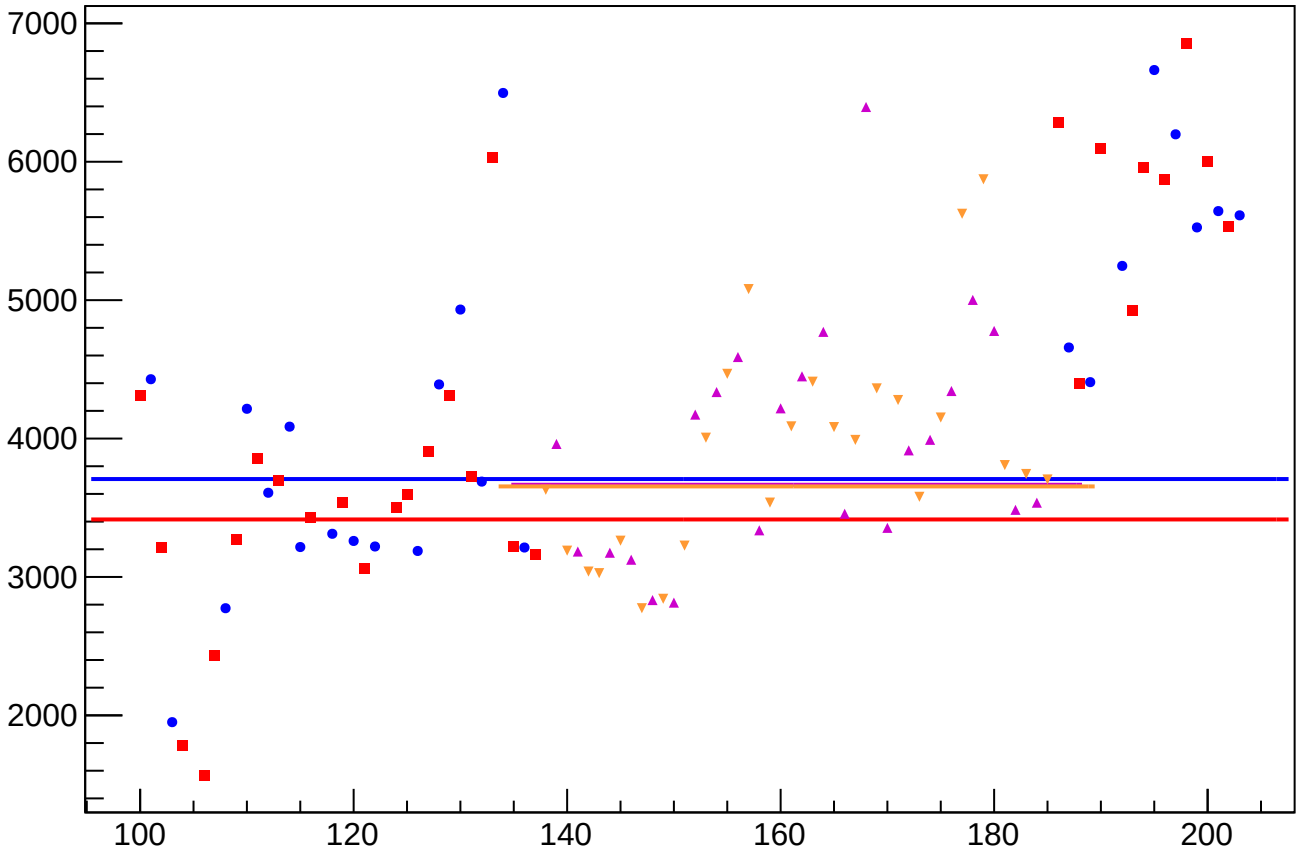
Left: 15.088+/-609.923 χ^2/NDF: 42.5/47

Right: 835.626+/-729.592 χ^2/NDF: 53.1/51

In: 254.103+/-680.805 χ^2/NDF:40.4/46

Out: 440.868+/-644.259 χ^2/NDF:55.9/52

All: 352.632+/-467.947 χ^2/NDF: 96.3/99



Right In: 3707.455+/-0.766 χ^2/NDF: 2862353.4/23

Left Out: 3654.198+/-0.601 χ^2/NDF:1311761.6/24

Right Out: 3415.487+/-0.698 χ^2/NDF: 4191109.7/27

Left In: 3666.118+/-0.619 χ^2/NDF:1343709.3/22

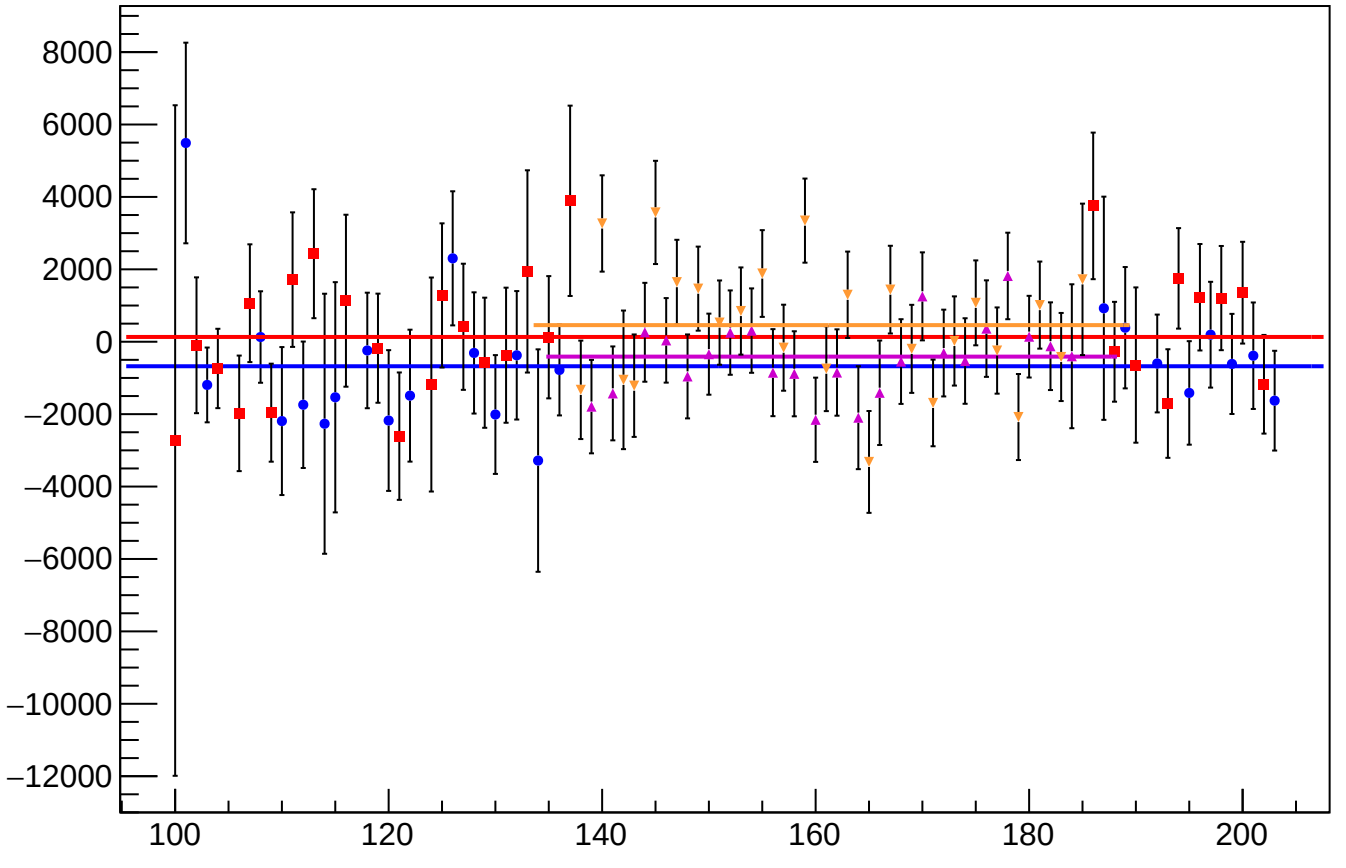
Left: 3659.986+/-0.431 χ^2/NDF: 2655661.7/47

Right: 3547.926+/-0.516 χ^2/NDF: 7132845.9/51

In: 3682.445+/-0.481 χ^2/NDF:4207824.8/46

Out: 3552.494+/-0.456 χ^2/NDF:5570012.3/52

All: 3613.888+/-0.331 χ^2/NDF: 9816279.9/99



Right In: -677.101+/-334.187 χ^2/NDF: 13.5/23

Left Out: 458.844+/-251.538 χ^2/NDF:42.1/24

Right Out: 132.219+/-318.648 χ^2/NDF: 22.6/27

Left In: -411.165+/-257.201 χ^2/NDF:13.7/22

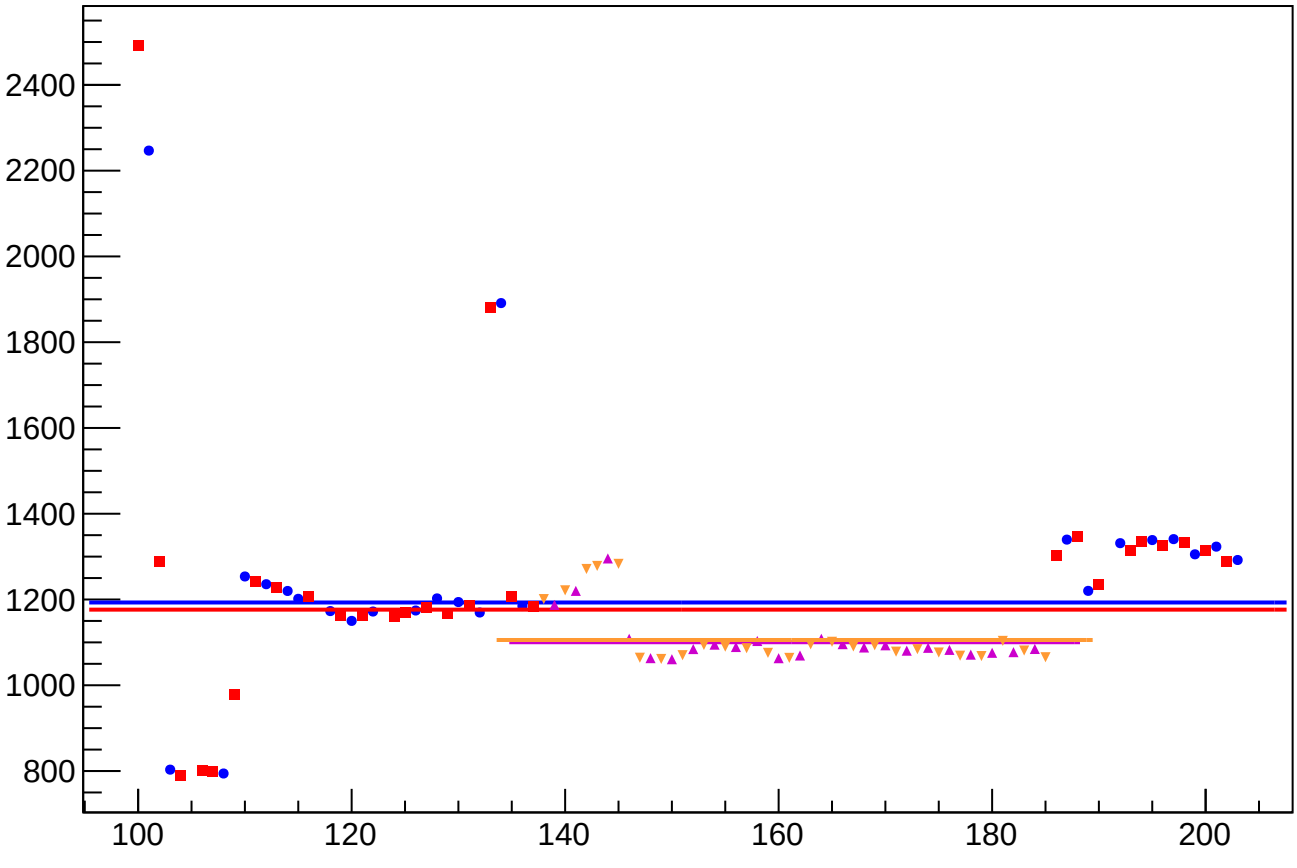
Left: 33.523+/-179.833 χ^2/NDF: 61.6/47

Right: -253.187+/-230.616 χ^2/NDF: 39.2/51

In: -510.090+/-203.824 χ^2/NDF:27.6/46

Out: 333.449+/-197.436 χ^2/NDF:65.3/52

All: -74.894+/-141.813 χ^2/NDF: 101.7/99



Right In: 1193.028+/-0.236 χ^2/NDF: 988425.2/23

Left Out: 1105.549+/-0.178 χ^2/NDF:121950.0/24

Right Out: 1176.341+/-0.225 χ^2/NDF: 857047.1/27

Left In: 1100.350+/-0.182 χ^2/NDF:80240.5/22

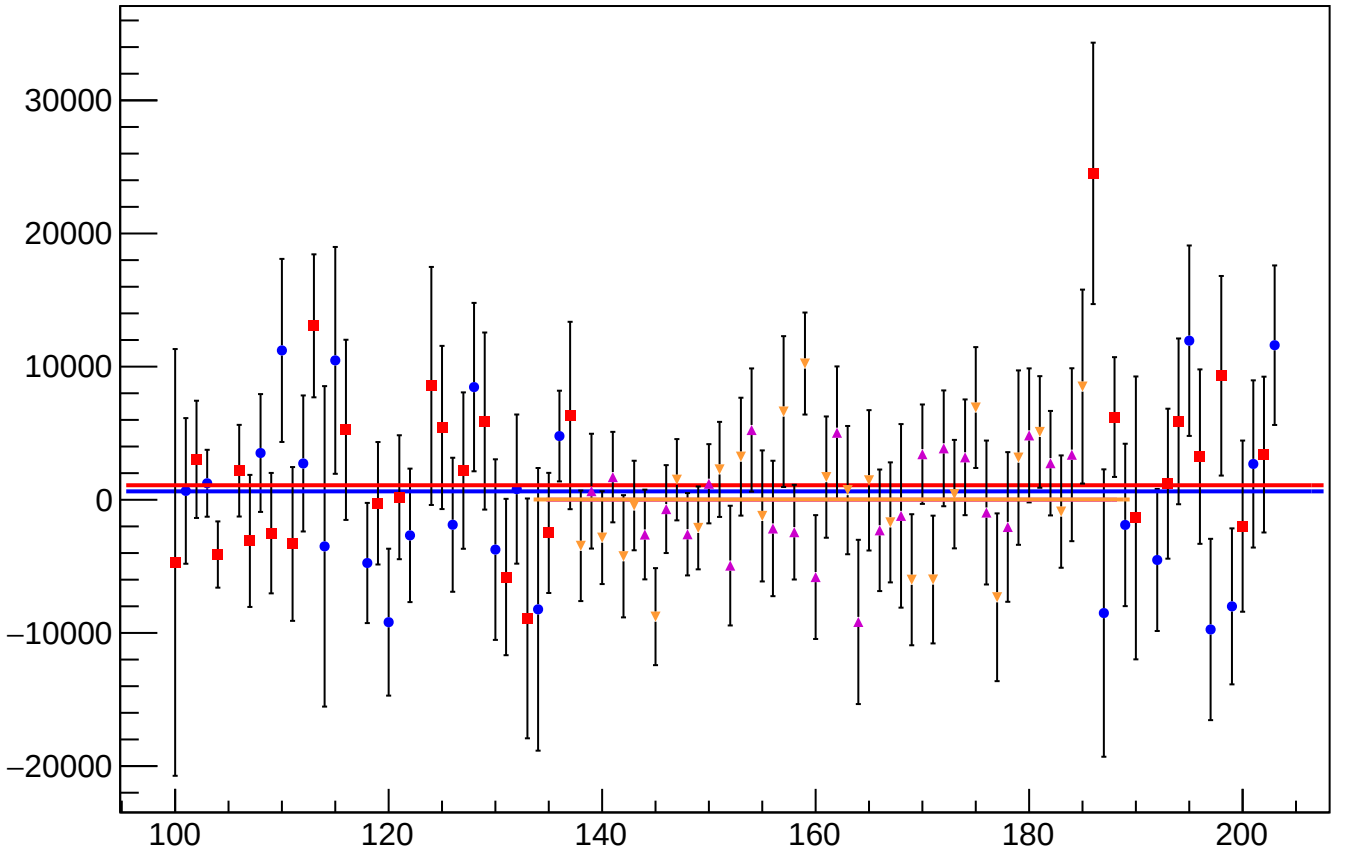
Left: 1103.007+/-0.127 χ^2/NDF: 202608.2/47

Right: 1184.278+/-0.163 χ^2/NDF: 1848087.2/51

In: 1134.825+/-0.144 χ^2/NDF:1165264.8/46

Out: 1132.766+/-0.140 χ^2/NDF:1039900.5/52

All: 1133.762+/-0.100 χ^2/NDF: 2205270.8/99



Right In: 633.227+/-1083.311 χ^2/NDF: 26.2/23

Left Out: 23.365+/-850.403 χ^2/NDF:28.5/24

Right Out: 1091.812+/-1003.603 χ^2/NDF: 27.1/27

Left In: 6.368+/-875.255 χ^2/NDF:14.0/22

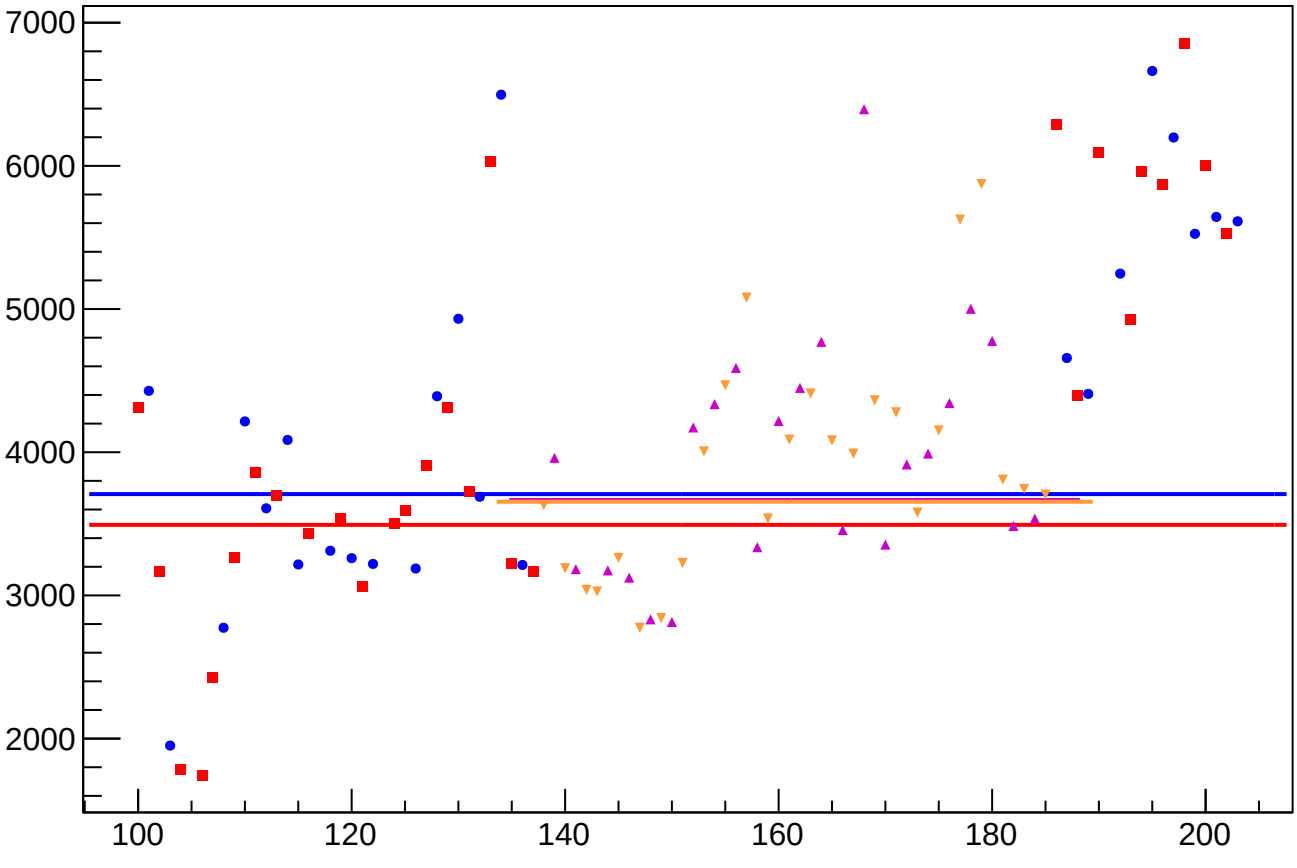
Left: 15.111+/-609.923 χ^2/NDF: 42.5/47

Right: 880.009+/-736.222 χ^2/NDF: 53.4/51

In: 253.950+/-680.813 χ^2/NDF:40.4/46

Out: 469.899+/-648.803 χ^2/NDF:56.2/52

All: 367.121+/-469.682 χ^2/NDF: 96.7/99



Right In: 3707.630+/-0.766 χ^2/NDF: 2861625.1/23

Left Out: 3654.195+/-0.601 χ^2/NDF:1311769.4/24

Right Out: 3492.795+/-0.710 χ^2/NDF: 3836783.8/27

Left In: 3666.114+/-0.619 χ^2/NDF:1343711.6/22

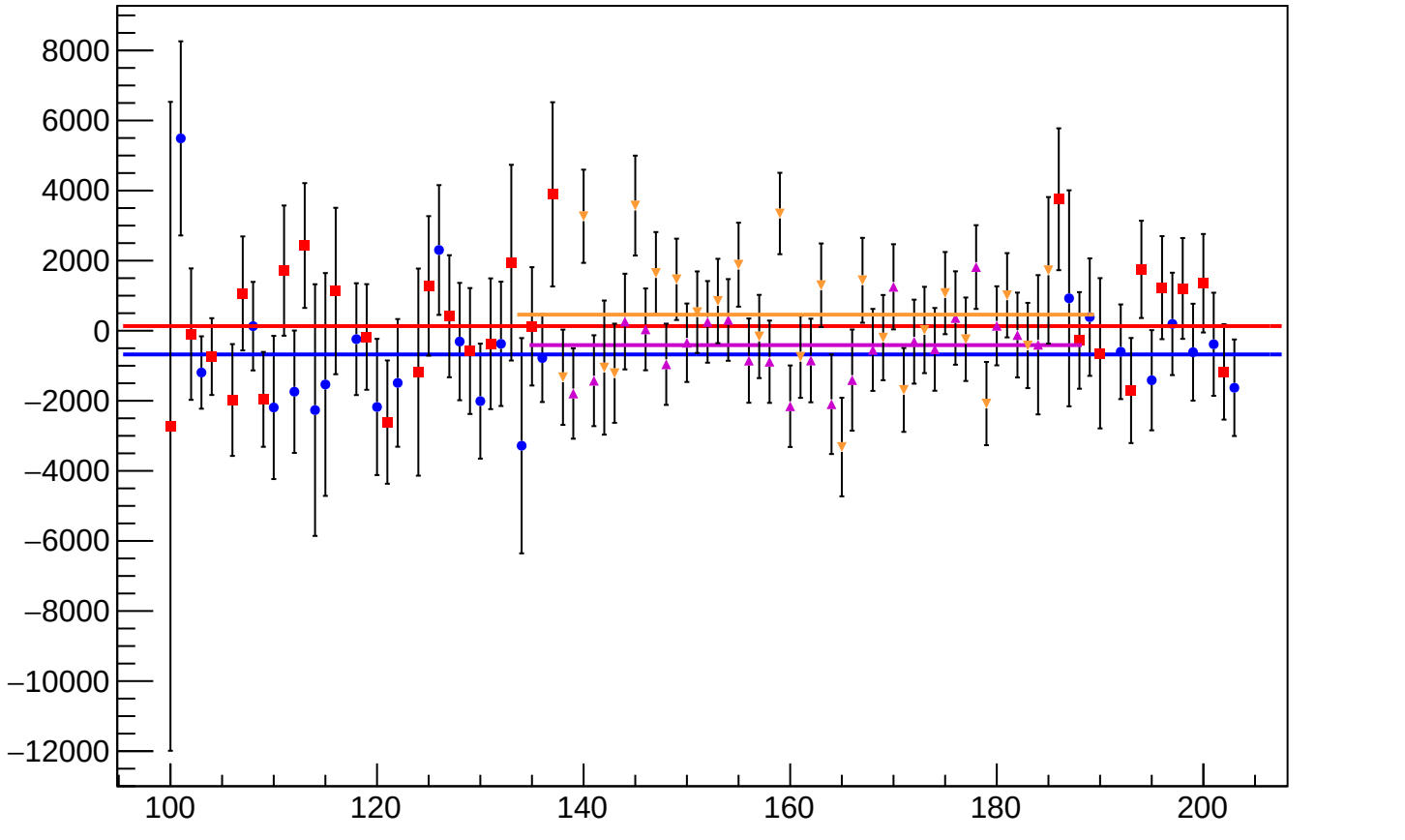
Left: 3659.983+/-0.431 χ^2/NDF: 2655671.8/47

Right: 3592.019+/-0.521 χ^2/NDF: 6740737.1/51

In: 3682.511+/-0.481 χ^2/NDF:4207113.9/46

Out: 3586.741+/-0.459 χ^2/NDF:5178661.8/52

All: 3632.322+/-0.332 χ^2/NDF: 9406516.0/99



Right In: -677.101+/-334.187 χ^2/NDF: 13.5/23

Left Out: 458.844+/-251.538 χ^2/NDF:42.1/24

Right Out: 132.219+/-318.648 χ^2/NDF: 22.6/27

Left In: -411.165+/-257.201 χ^2/NDF:13.7/22

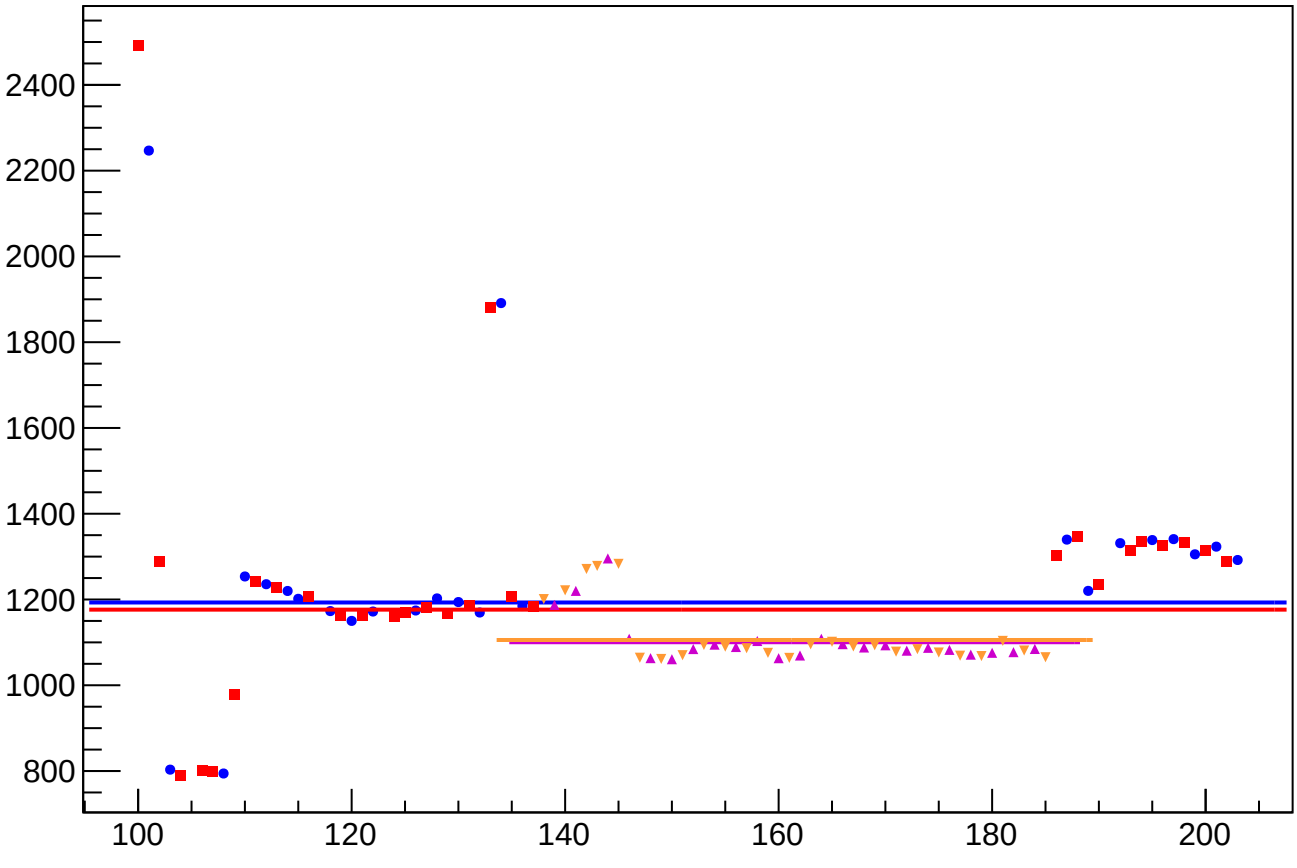
Left: 33.523+/-179.833 χ^2/NDF: 61.6/47

Right: -253.187+/-230.616 χ^2/NDF: 39.2/51

In: -510.090+/-203.824 χ^2/NDF:27.6/46

Out: 333.449+/-197.436 χ^2/NDF:65.3/52

All: -74.894+/-141.813 χ^2/NDF: 101.7/99



Right In: 1193.028+/-0.236 χ^2/NDF: 988425.2/23

Left Out: 1105.549+/-0.178 χ^2/NDF:121950.0/24

Right Out: 1176.341+/-0.225 χ^2/NDF: 857047.1/27

Left In: 1100.350+/-0.182 χ^2/NDF:80240.5/22

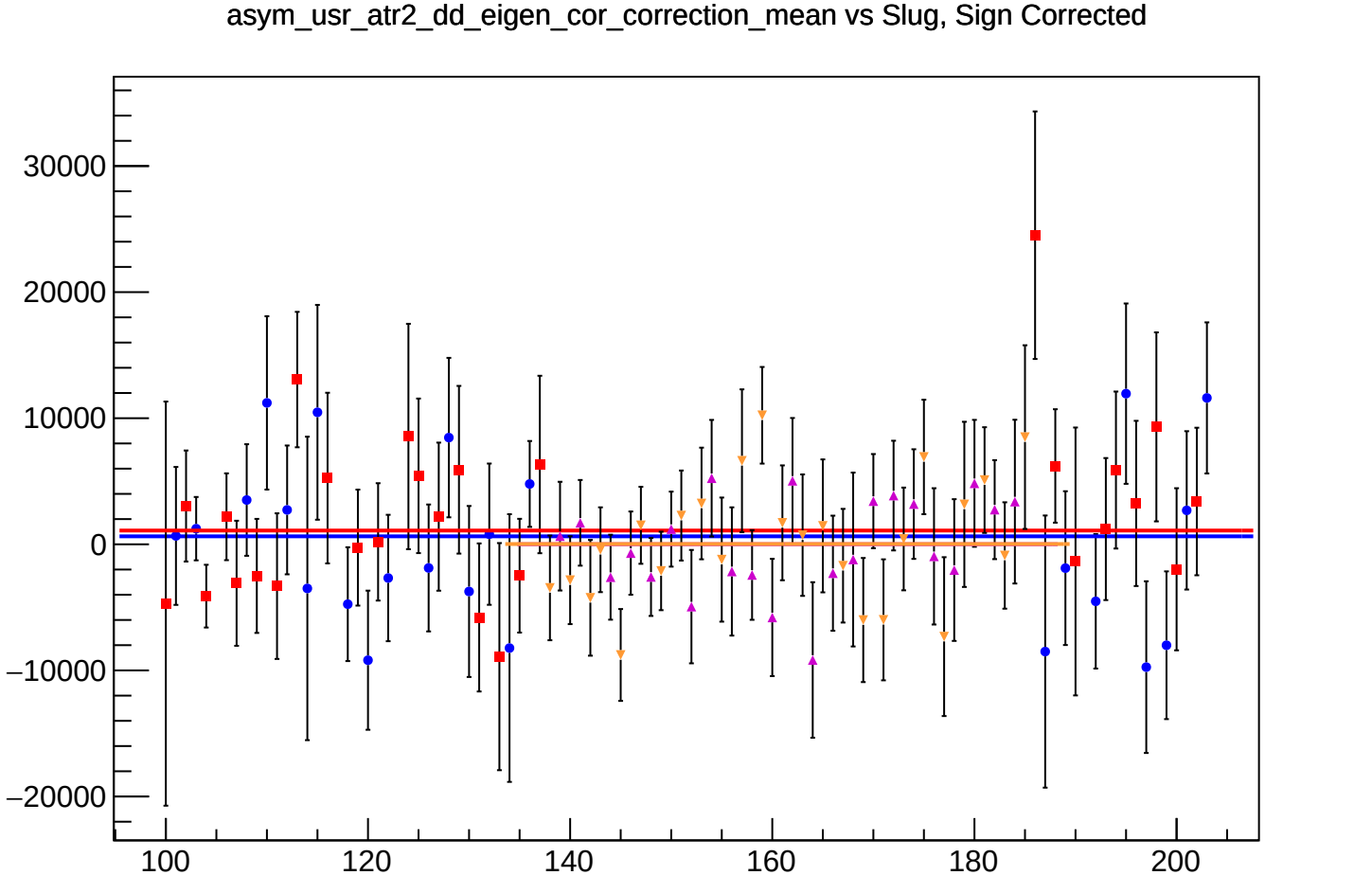
Left: 1103.007+/-0.127 χ^2/NDF: 202608.2/47

Right: 1184.278+/-0.163 χ^2/NDF: 1848087.2/51

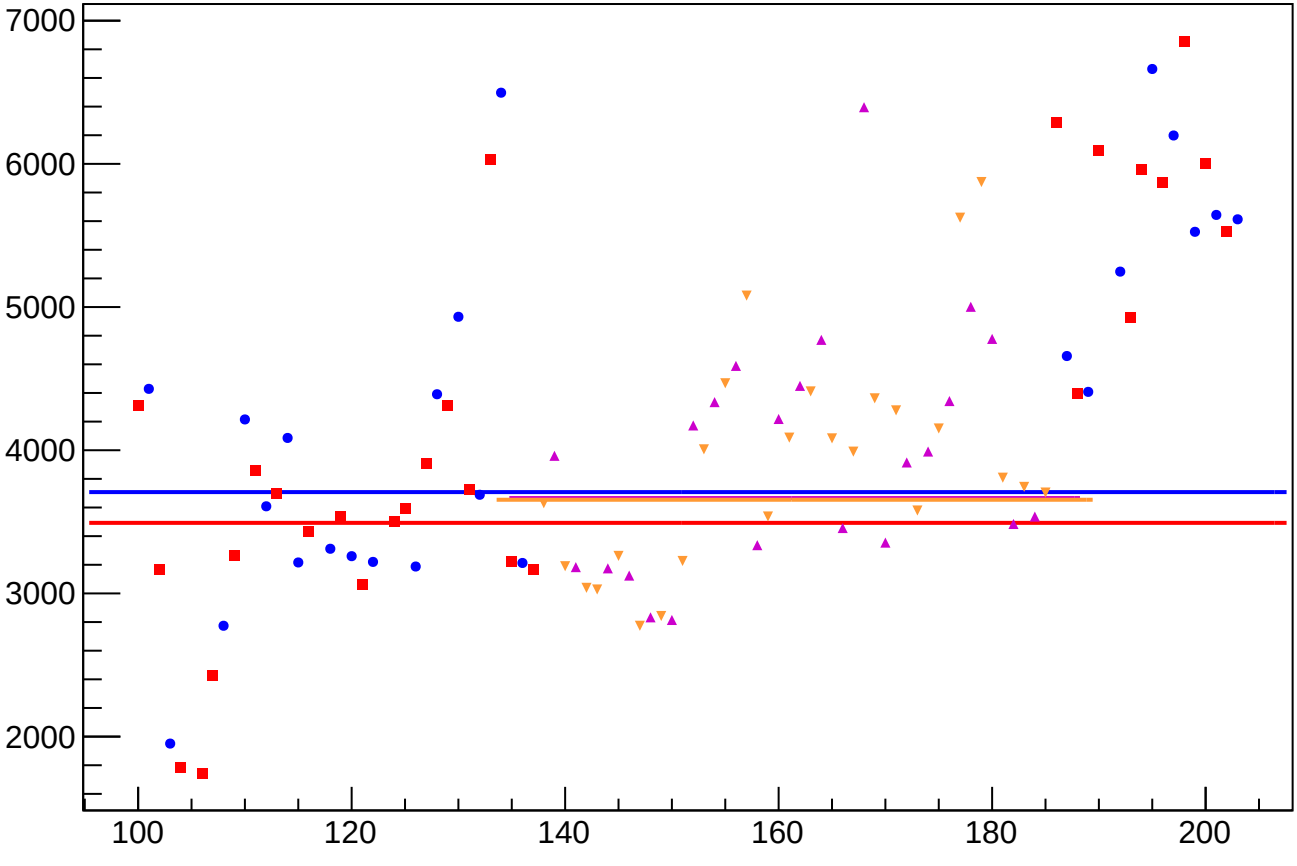
In: 1134.825+/-0.144 χ^2/NDF:1165264.8/46

Out: 1132.766+/-0.140 χ^2/NDF:1039900.5/52

All: 1133.762+/-0.100 χ^2/NDF: 2205270.8/99


asym_usr_atr2_dd_eigen_cor_correction_mean vs Slug, Sign Corrected
30000
20000
10000
0
−10000
−20000
100
120
140
160
180
200
Right In: 633.227+/-1083.311 χ²/NDF: 26.2/23
Left Out: 23.365+/-850.403 χ²/NDF:28.5/24
Right Out: 1091.812+/-1003.603 χ²/NDF: 27.1/27
Left In: 6.368+/-875.255 χ²/NDF:14.0/22
Left: 15.111+/-609.923 χ²/NDF: 42.5/47
Right: 880.009+/-736.222 χ²/NDF: 53.4/51
In: 253.950+/-680.813 χ²/NDF:40.4/46
Out: 469.899+/-648.803 χ²/NDF:56.2/52
All: 367.121+/-469.682 χ²/NDF: 96.7/99

asym_usr_atr2_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 3707.630+/-0.766 χ^2/NDF: 2861625.1/23

Left Out: 3654.195+/-0.601 χ^2/NDF:1311769.4/24

Right Out: 3492.795+/-0.710 χ^2/NDF: 3836783.8/27

Left In: 3666.114+/-0.619 χ^2/NDF:1343711.6/22

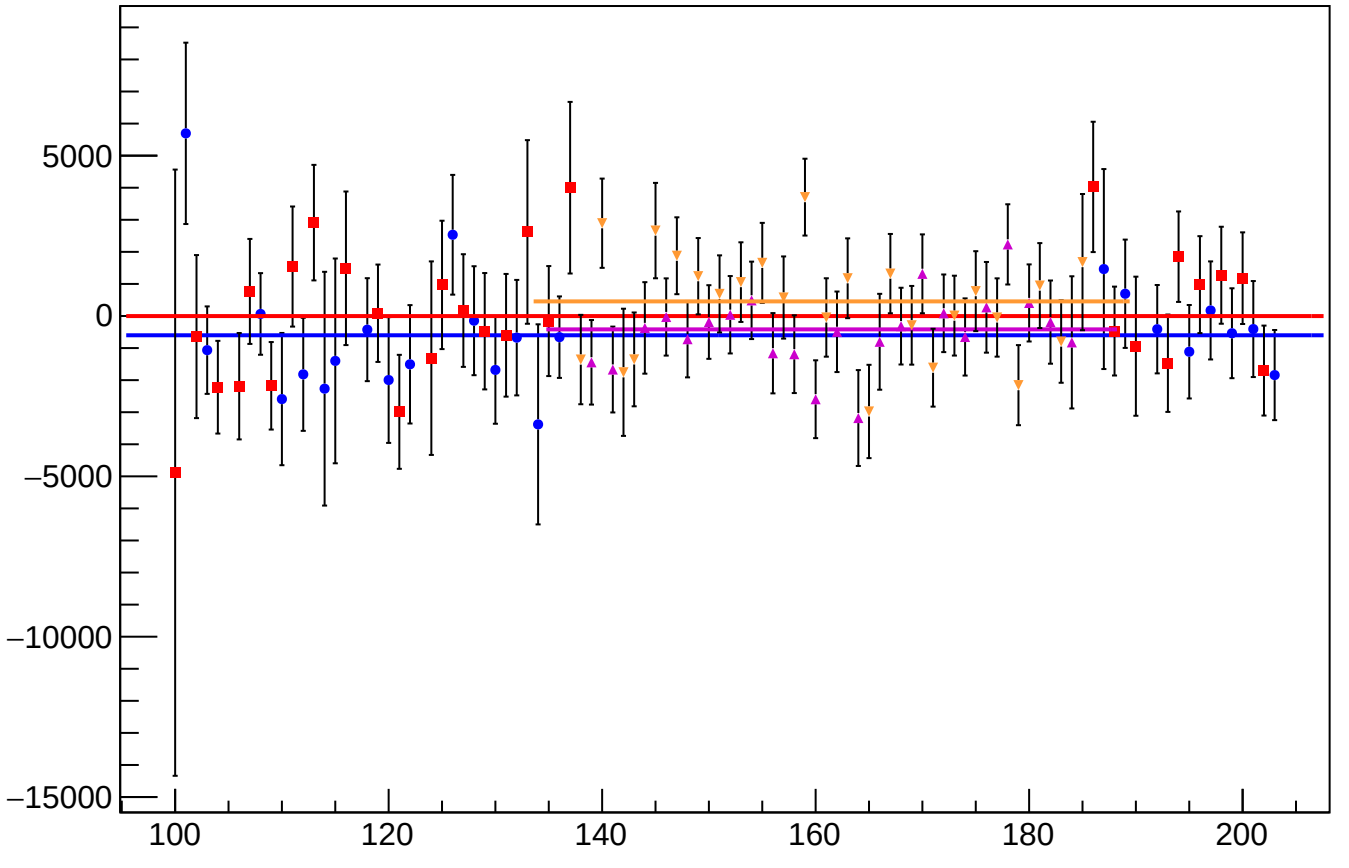
Left: 3659.983+/-0.431 χ^2/NDF: 2655671.8/47

Right: 3592.019+/-0.521 χ^2/NDF: 6740737.1/51

In: 3682.511+/-0.481 χ^2/NDF:4207113.9/46

Out: 3586.741+/-0.459 χ^2/NDF:5178661.8/52

All: 3632.322+/-0.332 χ^2/NDF: 9406516.0/99



Right In: -601.018+/-346.858 χ^2/NDF: 14.1/23

Left Out: 455.711+/-261.005 χ^2/NDF:36.1/24

Right Out: -2.322+/-331.784 χ^2/NDF: 27.6/27

Left In: -417.202+/-266.582 χ^2/NDF:17.3/22

Left: 28.481+/-186.499 χ^2/NDF: 59.0/47

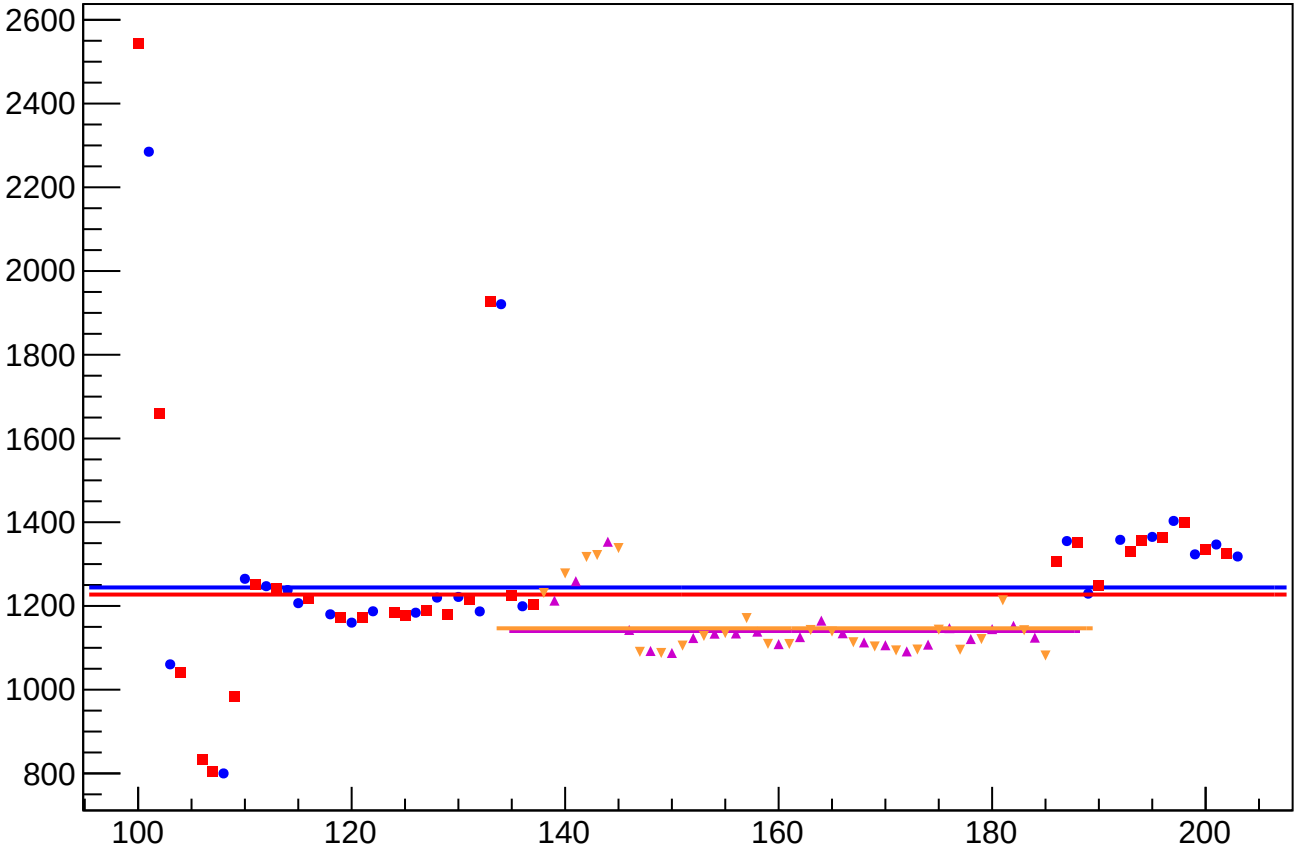
Right: -288.379+/-239.759 χ^2/NDF: 43.2/51

In: -485.461+/-211.368 χ^2/NDF:31.6/46

Out: 280.614+/-205.138 χ^2/NDF:64.9/52

All: -90.967+/-147.208 χ^2/NDF: 103.3/99

dit_asym_usr_atr2_dd_rms vs Slug, Sign Corrected



Right In: 1244.192+/-0.245 χ^2/NDF: 734567.8/23

Left Out: 1146.614+/-0.185 χ^2/NDF:141015.8/24

Right Out: 1227.233+/-0.235 χ^2/NDF: 679394.1/27

Left In: 1140.168+/-0.189 χ^2/NDF:84737.4/22

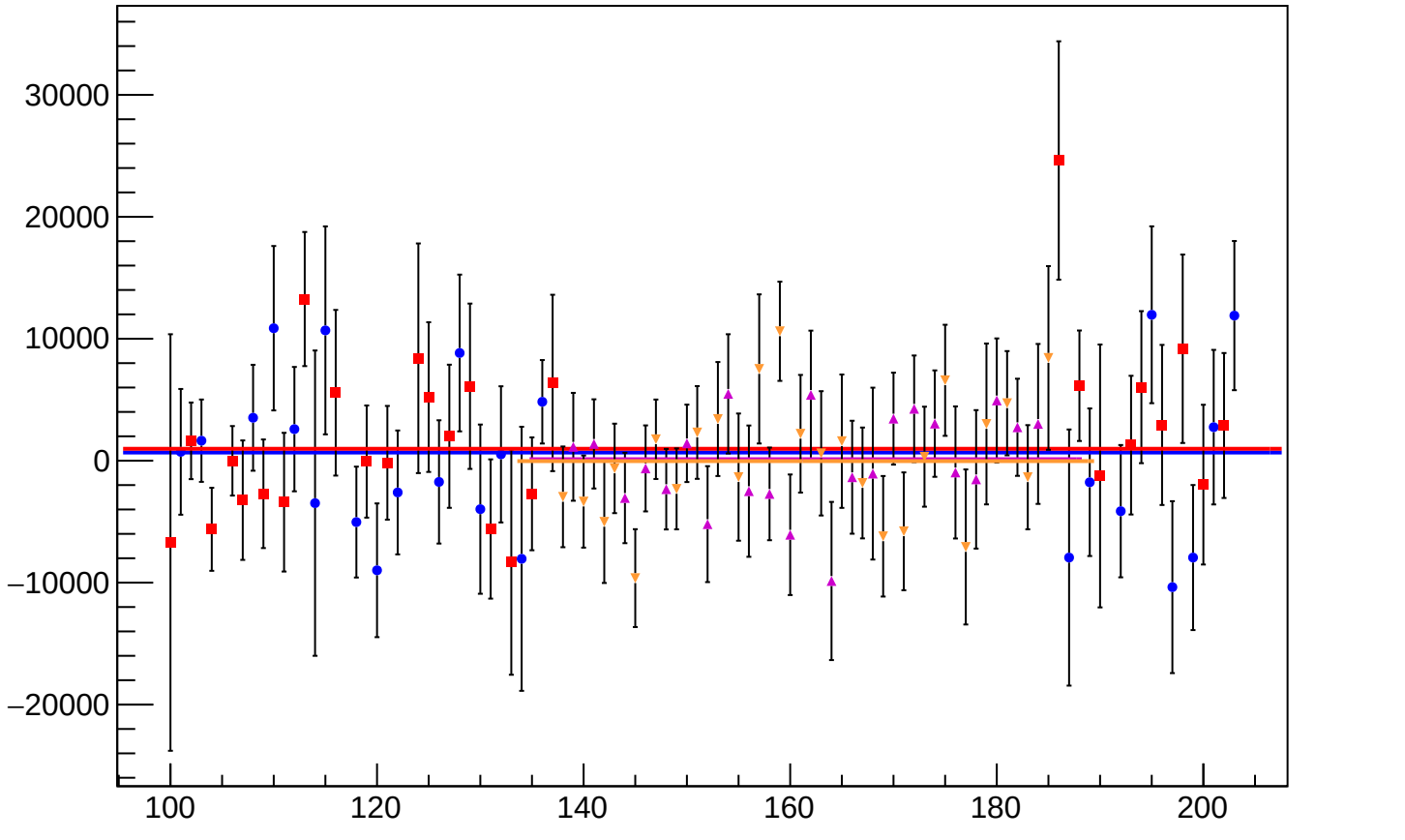
Left: 1143.459+/-0.132 χ^2/NDF: 226350.2/47

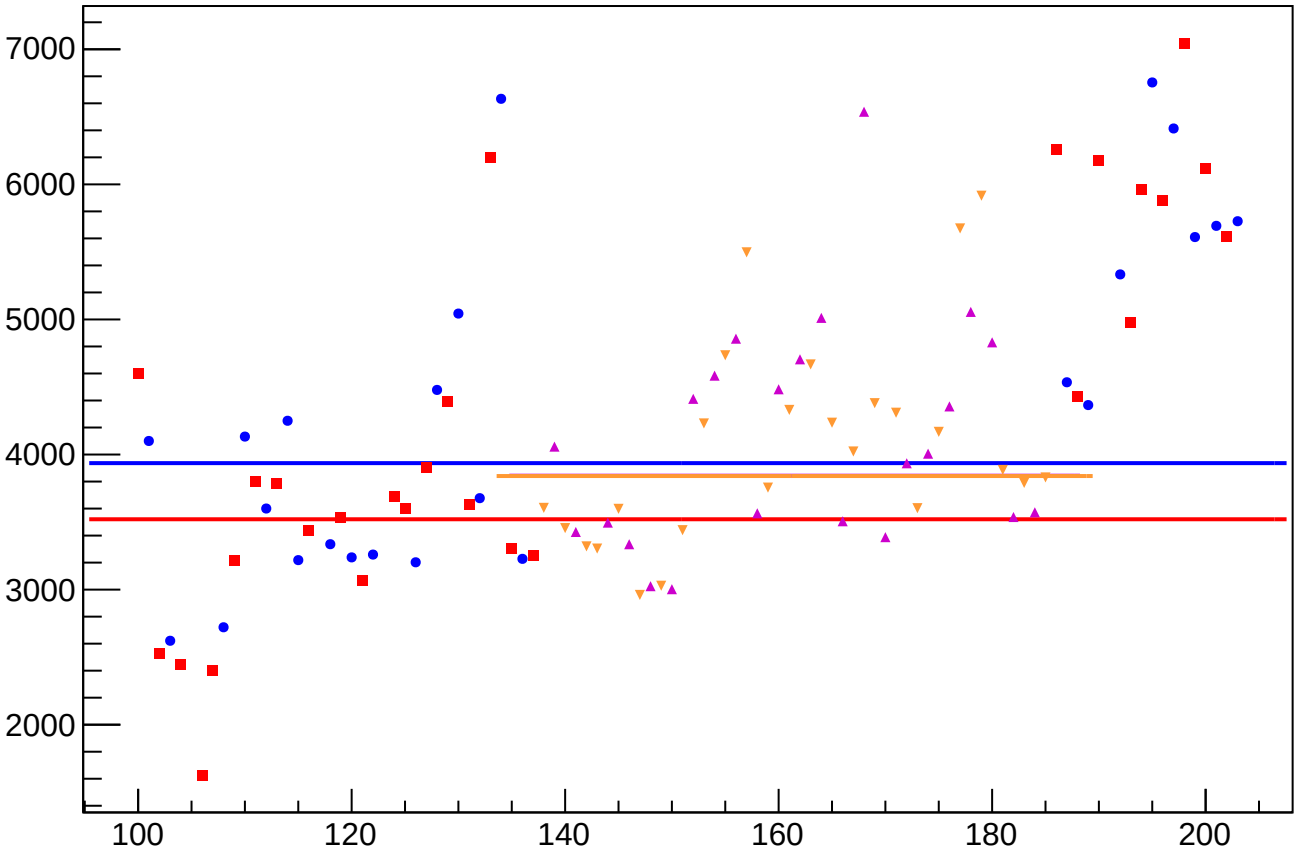
Right: 1235.334+/-0.170 χ^2/NDF: 1416459.3/51

In: 1178.797+/-0.149 χ^2/NDF:932392.0/46

Out: 1177.443+/-0.145 χ^2/NDF:893377.8/52

All: 1178.099+/-0.104 χ^2/NDF: 1825812.0/99


asym_usr_atr2_dd_dit_correction_mean vs Slug, Sign Corrected
30000
20000
10000
0
−10000
−20000
100
120
140
160
180
200
Right In: 670.092+/-1133.069 χ²/NDF: 26.0/23
Left Out: -33.549+/-891.370 χ²/NDF:27.8/24
Right Out: 976.980+/-1000.933 χ²/NDF: 26.3/27
Left In: 121.051+/-915.714 χ²/NDF:13.8/22
Left: 41.669+/-638.727 χ²/NDF: 41.5/47
Right: 842.466+/-750.154 χ²/NDF: 52.4/51
In: 337.973+/-712.205 χ²/NDF:39.9/46
Out: 413.402+/-665.673 χ²/NDF:54.6/52
All: 378.232+/-486.320 χ²/NDF: 94.6/99



Right In: 3936.398+/-0.801 χ^2/NDF: 2093990.0/23

Left Out: 3840.830+/-0.630 χ^2/NDF:1118666.6/24

Right Out: 3520.816+/-0.708 χ^2/NDF: 3691680.3/27

Left In: 3843.328+/-0.648 χ^2/NDF:1196057.8/22

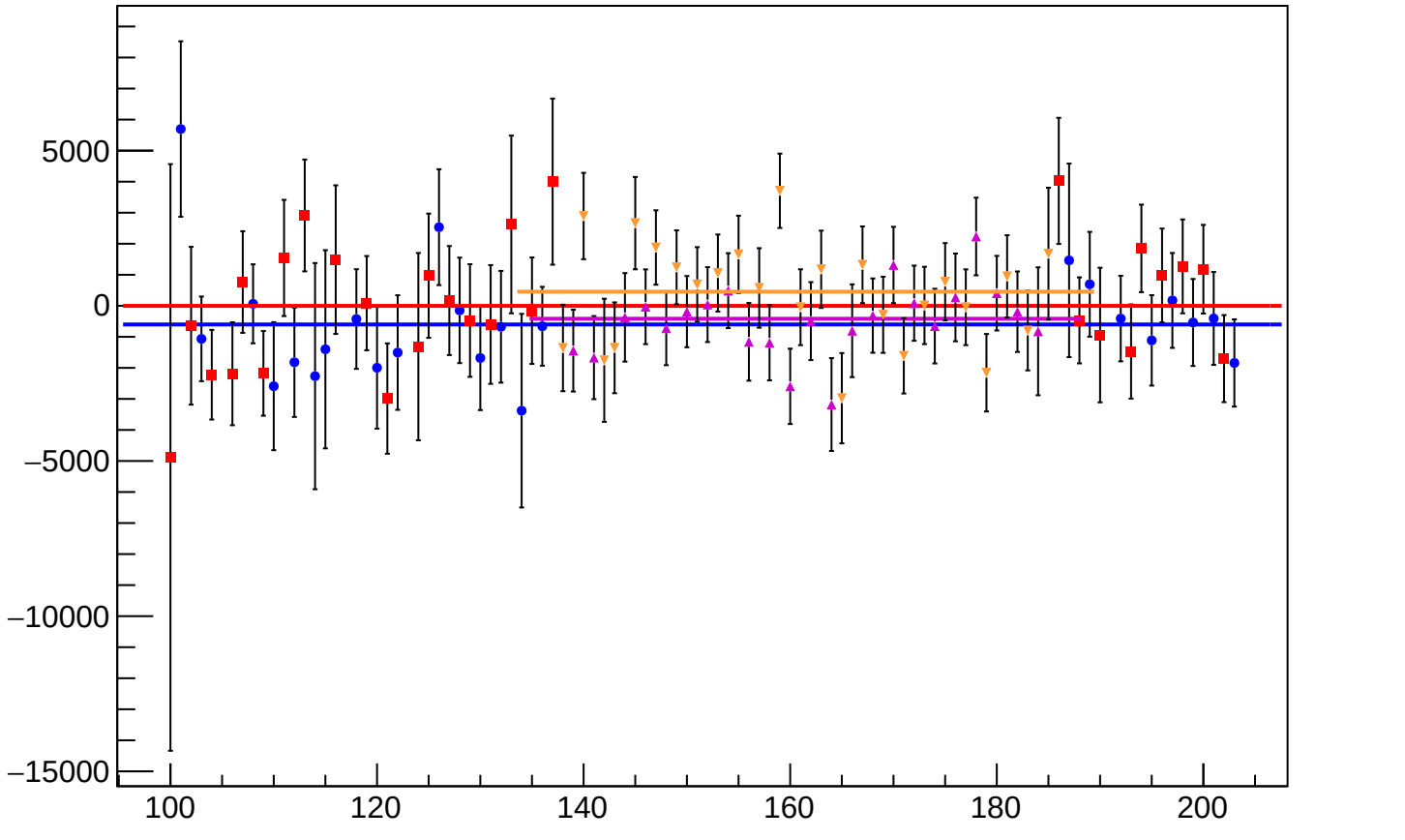
Left: 3842.046+/-0.452 χ^2/NDF: 2314732.0/47

Right: 3702.973+/-0.530 χ^2/NDF: 5936790.2/51

In: 3880.099+/-0.504 χ^2/NDF:3298210.4/46

Out: 3699.290+/-0.471 χ^2/NDF:4924362.1/52

All: 3783.595+/-0.344 χ^2/NDF: 8291372.0/99



Right In: -601.019+/-346.858 χ^2/NDF: 14.1/23

Left Out: 455.716+/-261.006 χ^2/NDF:36.1/24

Right Out: -2.325+/-331.784 χ^2/NDF: 27.6/27

Left In: -417.201+/-266.583 χ^2/NDF:17.3/22

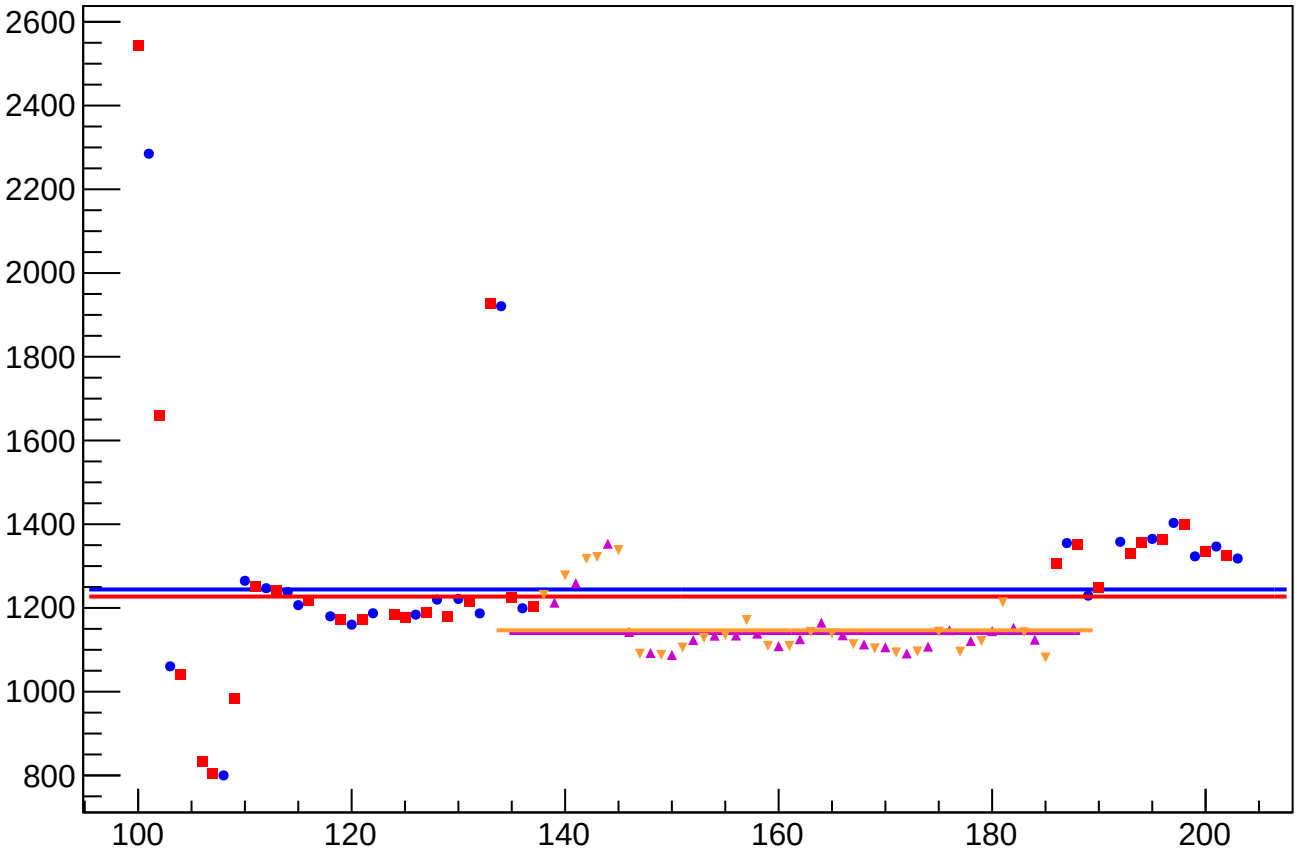
Left: 28.484+/-186.499 χ^2/NDF: 59.0/47

Right: -288.381+/-239.759 χ^2/NDF: 43.2/51

In: -485.460+/-211.368 χ^2/NDF:31.6/46

Out: 280.616+/-205.138 χ^2/NDF:64.9/52

All: -90.966+/-147.208 χ^2/NDF: 103.3/99



Right In: 1244.192+/-0.245 χ^2/NDF: 734568.5/23

Left Out: 1146.614+/-0.185 χ^2/NDF:141015.8/24

Right Out: 1227.233+/-0.235 χ^2/NDF: 679393.8/27

Left In: 1140.169+/-0.189 χ^2/NDF:84737.2/22

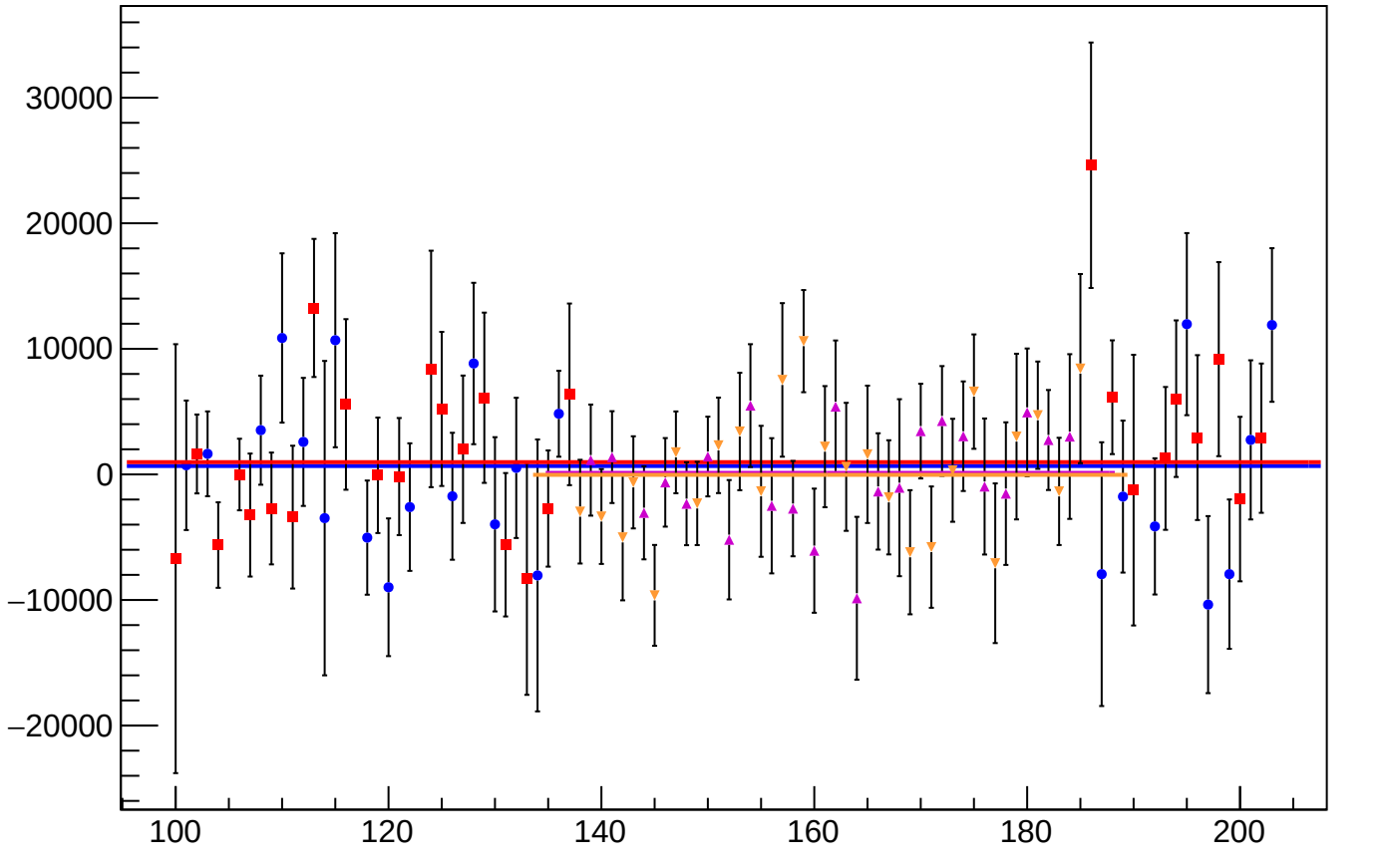
Left: 1143.460+/-0.132 χ^2/NDF: 226349.9/47

Right: 1235.334+/-0.170 χ^2/NDF: 1416459.6/51

In: 1178.797+/-0.149 χ^2/NDF:932390.7/46

Out: 1177.443+/-0.145 χ^2/NDF:893376.7/52

All: 1178.100+/-0.104 χ^2/NDF: 1825809.7/99


asym_usr_atr2_dd_eigen_dit_correction_mean vs Slug, Sign Corrected
30000
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−20000
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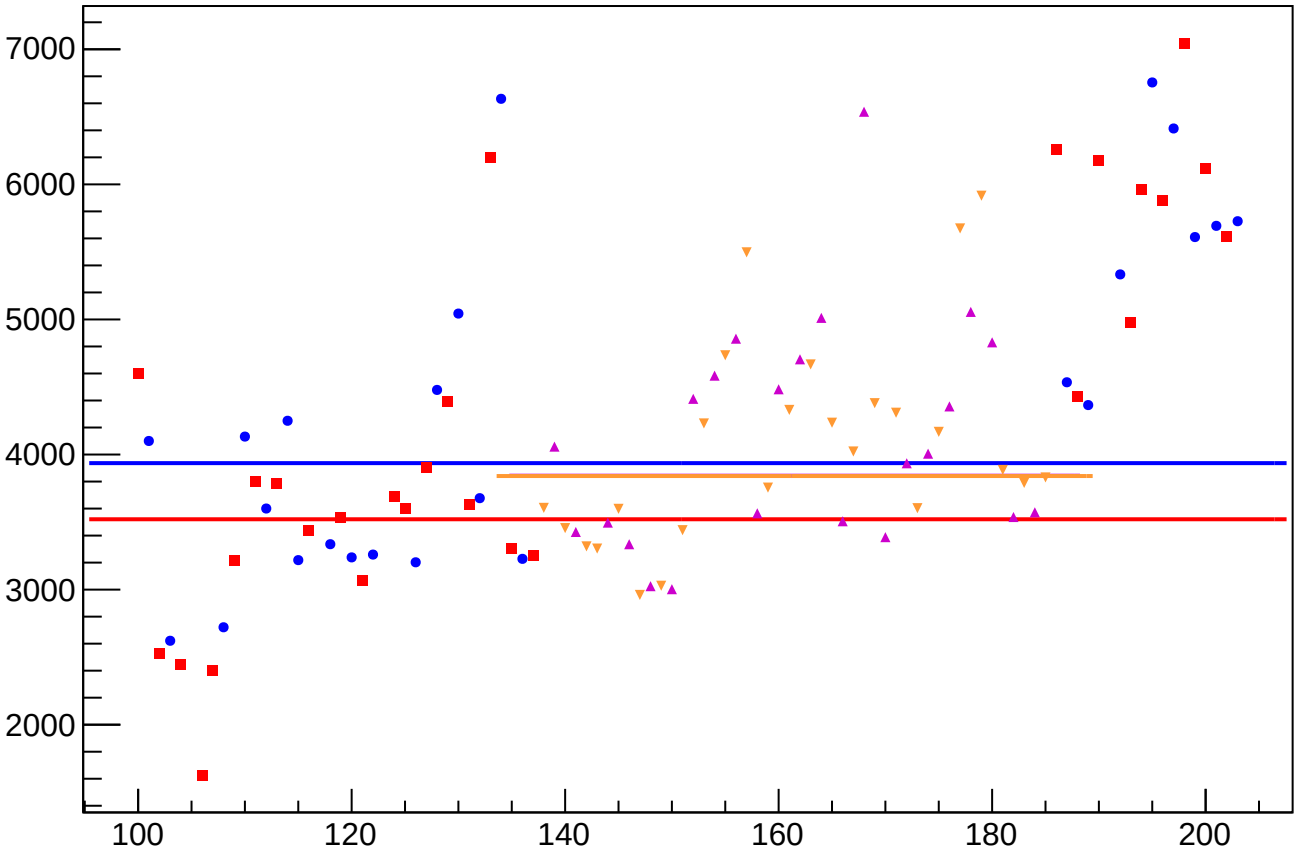
120
140
160
180
200
Right In: 670.079+/-1133.068 χ²/NDF: 26.0/23
Left Out: -33.548+/-891.372 χ²/NDF:27.8/24
Right Out: 976.972+/-1000.932 χ²/NDF: 26.3/27
Left In: 121.054+/-915.716 χ²/NDF:13.8/22
Left: 41.671+/-638.728 χ²/NDF: 41.5/47
Right: 842.456+/-750.154 χ²/NDF: 52.4/51
In: 337.970+/-712.205 χ²/NDF:39.9/46
Out: 413.401+/-665.673 χ²/NDF:54.6/52
All: 378.230+/-486.321 χ²/NDF: 94.6/99



Right In: 3936.396+/-0.801 χ^2/NDF: 2093998.9/23

Left Out: 3840.836+/-0.630 χ^2/NDF:1118668.2/24

Right Out: 3520.811+/-0.708 χ^2/NDF: 3691696.5/27

Left In: 3843.333+/-0.648 χ^2/NDF:1196061.6/22

Left: 3842.051+/-0.452 χ^2/NDF: 2314737.5/47

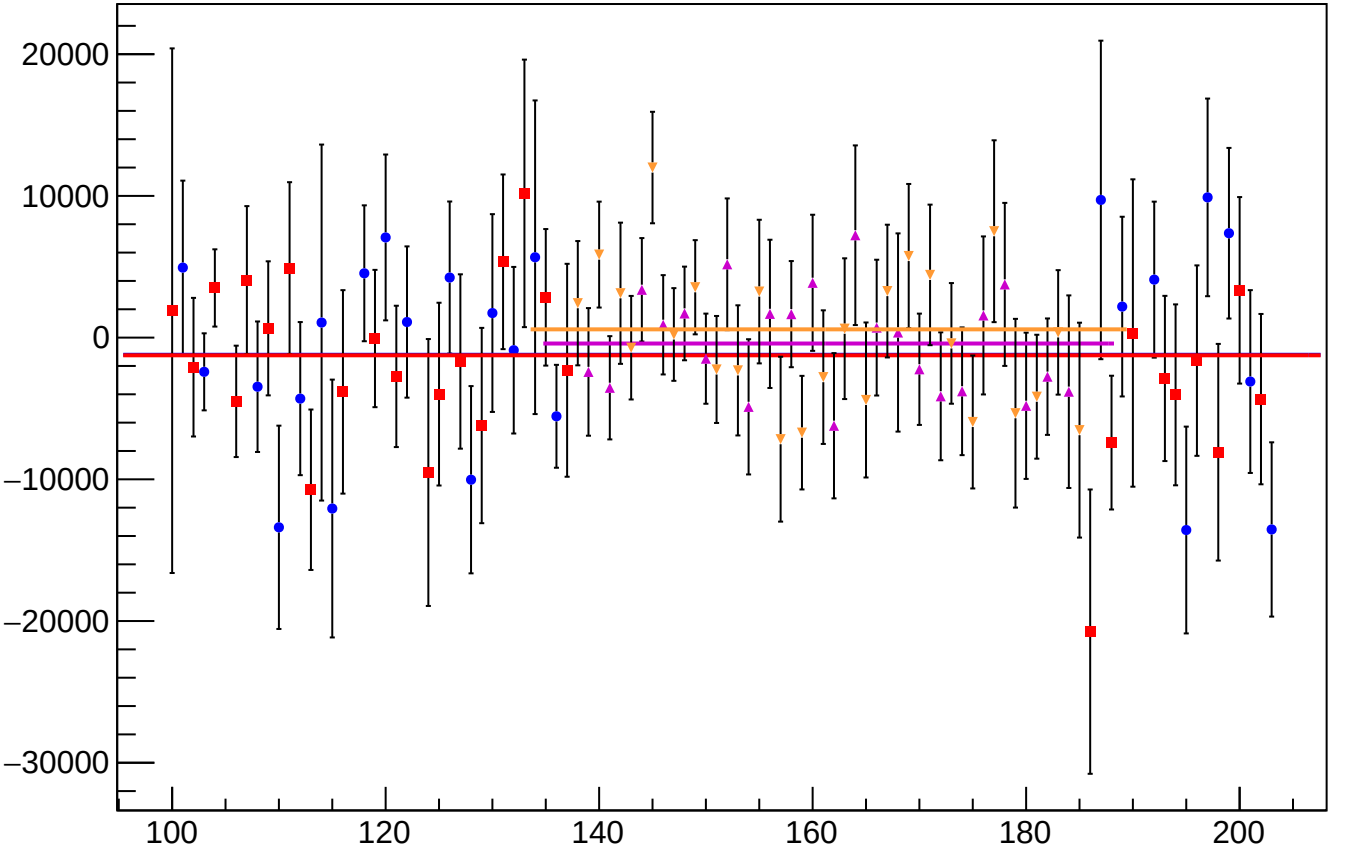
Right: 3702.969+/-0.530 χ^2/NDF: 5936817.1/51

In: 3880.101+/-0.504 χ^2/NDF:3298221.8/46

Out: 3699.290+/-0.471 χ^2/NDF:4924387.2/52

All: 3783.597+/-0.344 χ^2/NDF: 8291409.7/99

asym_usr_atr2_dd_mean vs Slug, Sign Corrected



Right In: -1211.827+/-1144.572 χ^2/NDF: 28.2/23

Left Out: 583.278+/-894.900 χ^2/NDF:27.4/24

Right Out: -1248.291+/-1069.377 χ^2/NDF: 21.2/27

Left In: -416.803+/-919.006 χ^2/NDF:12.5/22

Left: 96.526+/-641.143 χ^2/NDF: 40.5/47

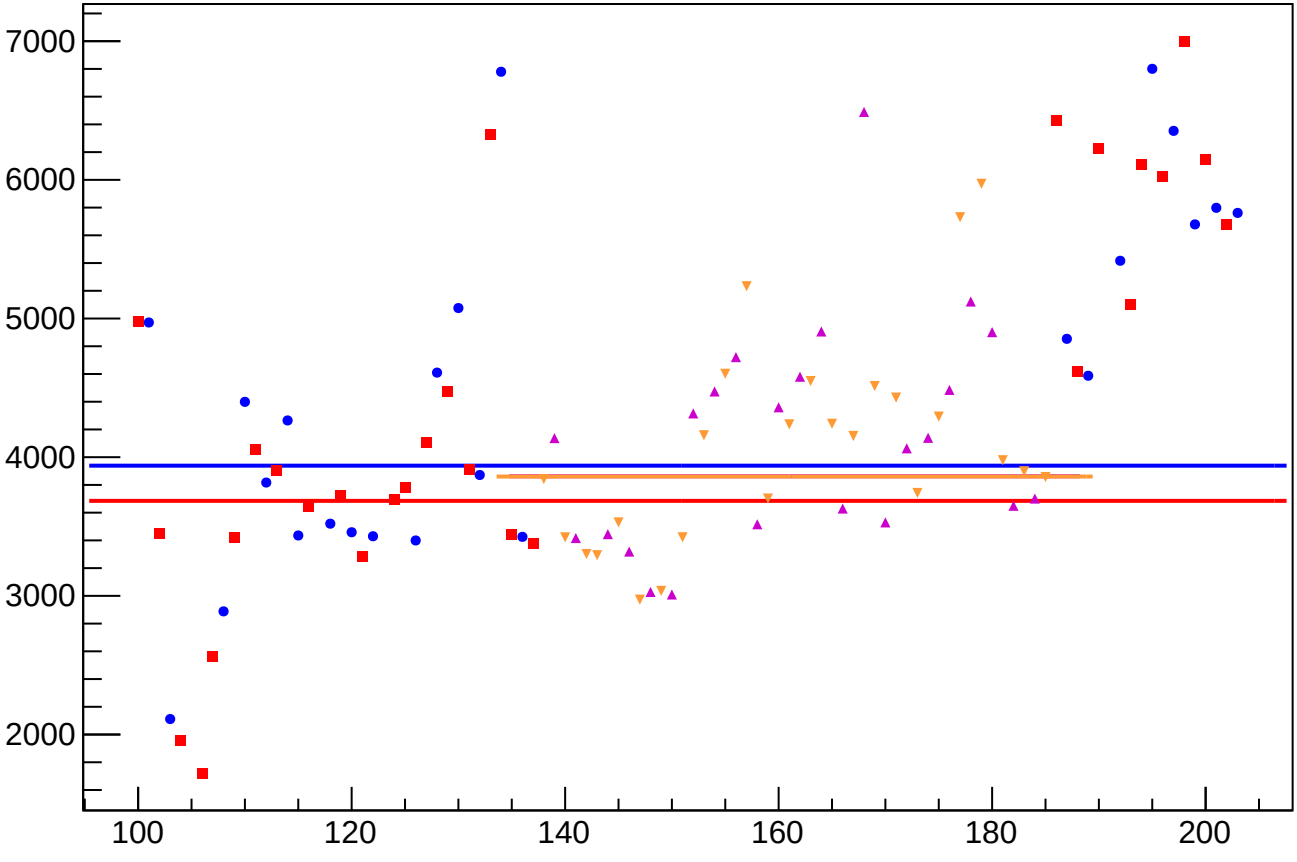
Right: -1231.296+/-781.396 χ^2/NDF: 49.5/51

In: -728.439+/-716.599 χ^2/NDF:41.0/46

Out: -171.091+/-686.295 χ^2/NDF:50.4/52

All: -437.731+/-495.651 χ^2/NDF: 91.7/99

asym_usr_atr2_dd_rms vs Slug, Sign Corrected



Right In: 3938.864+/-0.809 χ^2/NDF: 2628657.5/23

Left Out: 3860.536+/-0.633 χ^2/NDF:1097292.6/24

Right Out: 3685.086+/-0.746 χ^2/NDF: 3684466.6/27

Left In: 3862.339+/-0.650 χ^2/NDF:1142179.8/22

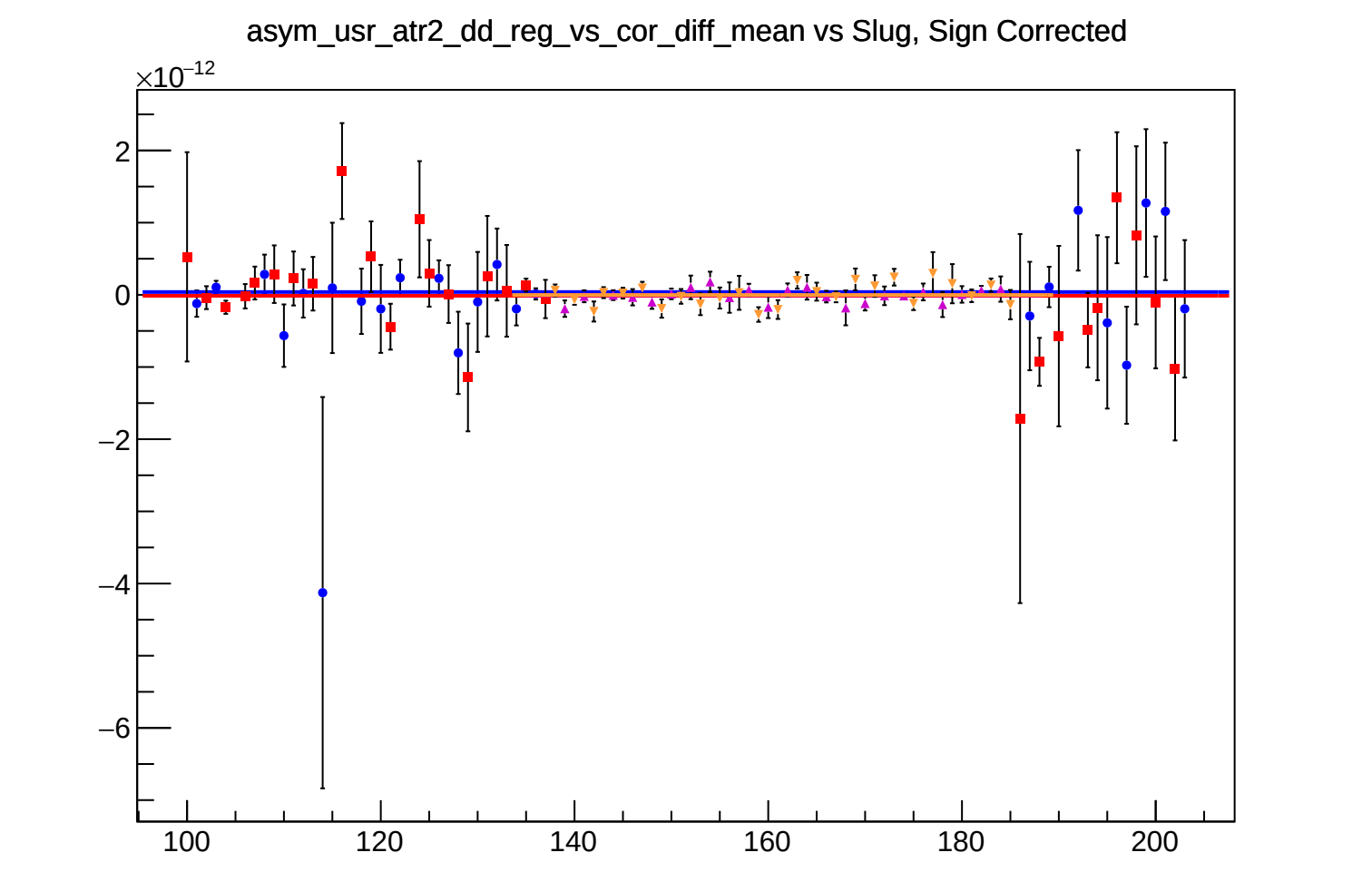
Left: 3861.414+/-0.453 χ^2/NDF: 2239476.3/47

Right: 3801.733+/-0.549 χ^2/NDF: 6366253.2/51

In: 3892.336+/-0.507 χ^2/NDF:3776273.2/46

Out: 3787.171+/-0.483 χ^2/NDF:4813904.7/52

All: 3837.201+/-0.349 χ^2/NDF: 8612760.1/99



Right In: 0.000+/-0.000 χ^2/NDF: 18.5/23

Left Out: -0.000+/-0.000 χ^2/NDF:34.3/24

Right Out: -0.000+/-0.000 χ^2/NDF: 35.0/27

Left In: -0.000+/-0.000 χ^2/NDF:12.8/22

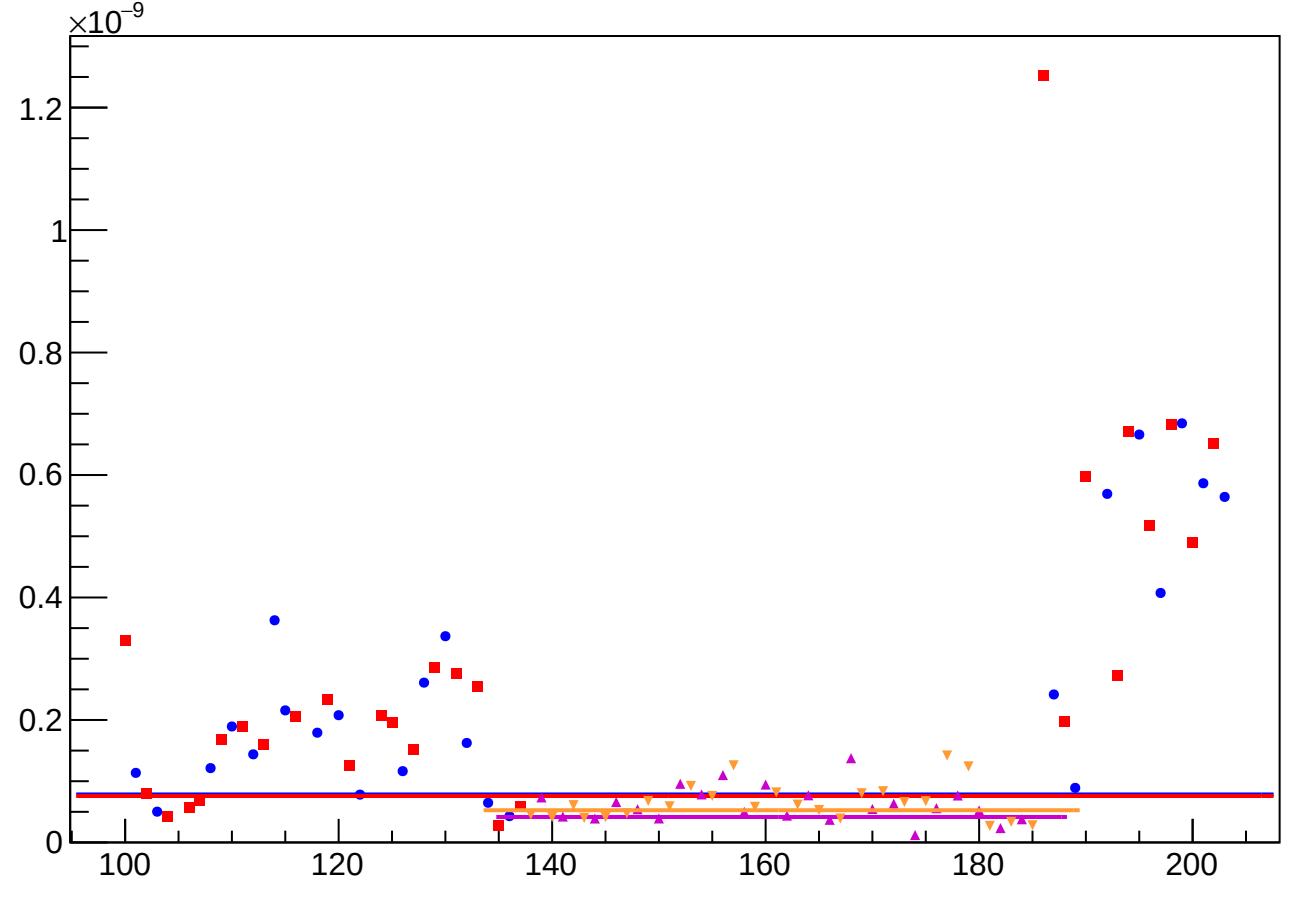
Left: -0.000+/-0.000 χ^2/NDF: 47.1/47

Right: 0.000+/-0.000 χ^2/NDF: 54.1/51

In: -0.000+/-0.000 χ^2/NDF:32.1/46

Out: -0.000+/-0.000 χ^2/NDF:69.3/52

All: -0.000+/-0.000 χ^2/NDF: 101.4/99



Right In: 0.000+/-0.000 χ^2/NDF: 5196781.6/23

Left Out: 0.000+/-0.000 χ^2/NDF:1611629.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 6440953.1/27

Left In: 0.000+/-0.000 χ^2/NDF:2939628.2/22

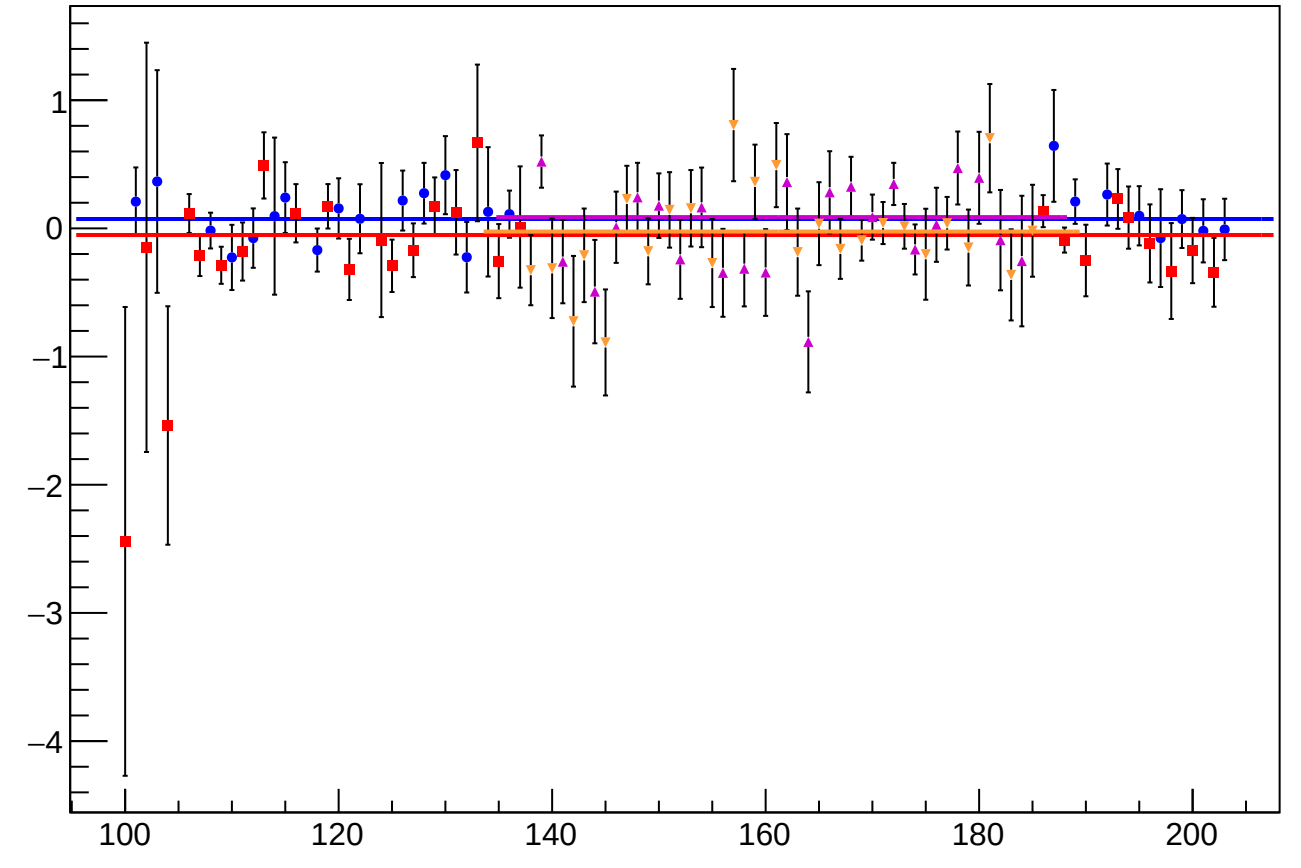
Left: 0.000+/-0.000 χ^2/NDF: 4840259.0/47

Right: 0.000+/-0.000 χ^2/NDF: 11640511.1/51

In: 0.000+/-0.000 χ^2/NDF:9153805.3/46

Out: 0.000+/-0.000 χ^2/NDF:8437324.6/52

All: 0.000+/-0.000 χ^2/NDF: 17848817.5/99



Right In: 0.073+/-0.049 χ^2/NDF: 12.1/23

Left Out: -0.025+/-0.055 χ^2/NDF:24.1/24

Right Out: -0.052+/-0.041 χ^2/NDF: 28.9/27

Left In: 0.088+/-0.057 χ^2/NDF:30.0/22

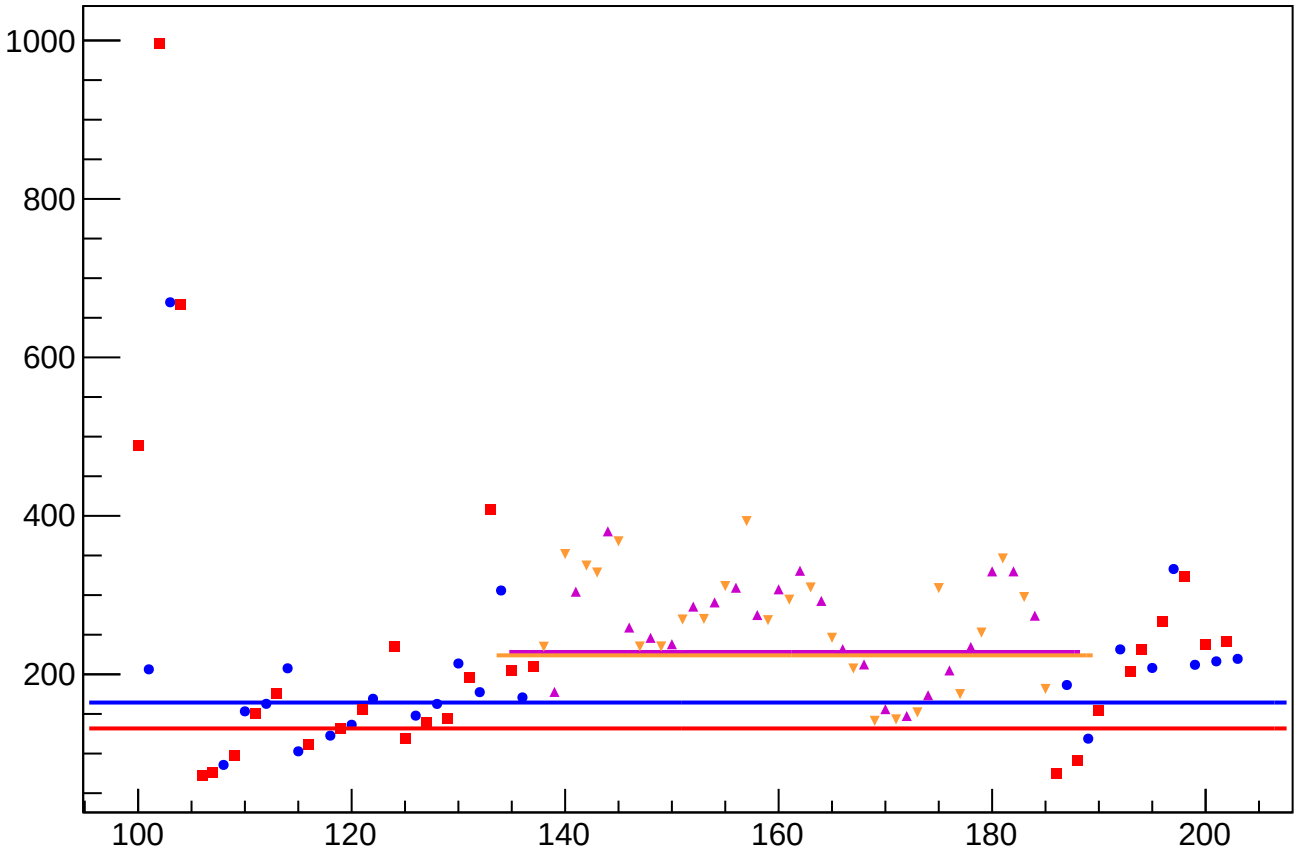
Left: 0.030+/-0.039 χ^2/NDF: 56.1/47

Right: -0.001+/-0.031 χ^2/NDF: 44.9/51

In: 0.080+/-0.037 χ^2/NDF:42.2/46

Out: -0.042+/-0.033 χ^2/NDF:53.2/52

All: 0.011+/-0.025 χ^2/NDF: 101.4/99



Right In: 164.384+/-0.035 χ^2/NDF: 2897689.3/23

Left Out: 223.945+/-0.039 χ^2/NDF:3438444.8/24

Right Out: 131.706+/-0.029 χ^2/NDF: 5756373.3/27

Left In: 228.199+/-0.040 χ^2/NDF:2488915.3/22

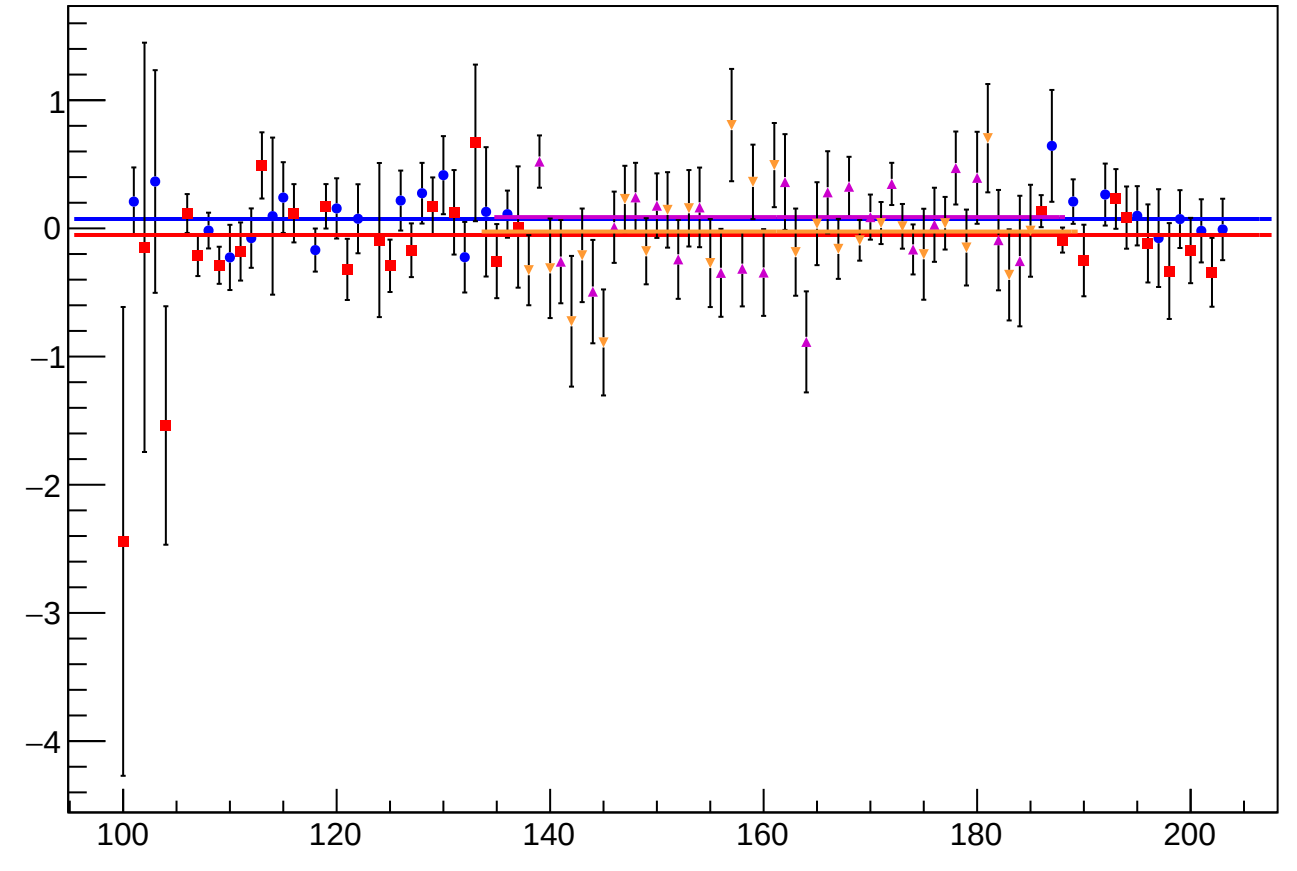
Left: 225.993+/-0.028 χ^2/NDF: 5933206.6/47

Right: 145.029+/-0.022 χ^2/NDF: 9175478.3/51

In: 191.853+/-0.026 χ^2/NDF:6831687.1/46

Out: 164.825+/-0.023 χ^2/NDF:12853329.9/52

All: 176.623+/-0.017 χ^2/NDF: 20280864.5/99



Right In: 0.073+/-0.049 χ^2/NDF: 12.1/23

Left Out: -0.025+/-0.055 χ^2/NDF:24.1/24

Right Out: -0.052+/-0.041 χ^2/NDF: 28.9/27

Left In: 0.088+/-0.057 χ^2/NDF:30.0/22

Left: 0.030+/-0.039 χ^2/NDF: 56.1/47

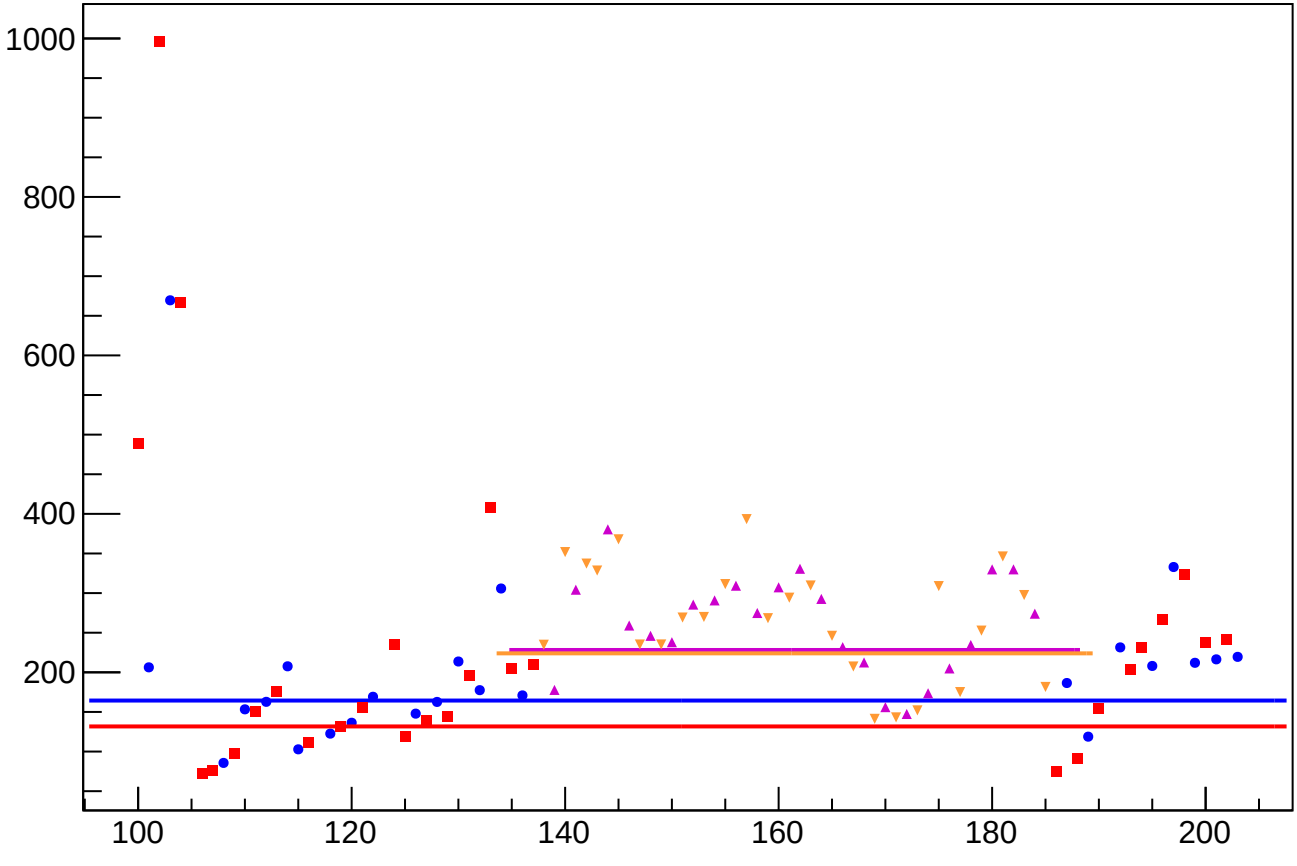
Right: -0.001+/-0.031 χ^2/NDF: 44.9/51

In: 0.080+/-0.037 χ^2/NDF:42.2/46

Out: -0.042+/-0.033 χ^2/NDF:53.2/52

All: 0.011+/-0.025 χ^2/NDF: 101.4/99

asym_usr_atr2_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 164.384+/-0.035 χ^2/NDF: 2897689.3/23

Left Out: 223.945+/-0.039 χ^2/NDF:3438444.8/24

Right Out: 131.706+/-0.029 χ^2/NDF: 5756373.3/27

Left In: 228.199+/-0.040 χ^2/NDF:2488915.3/22

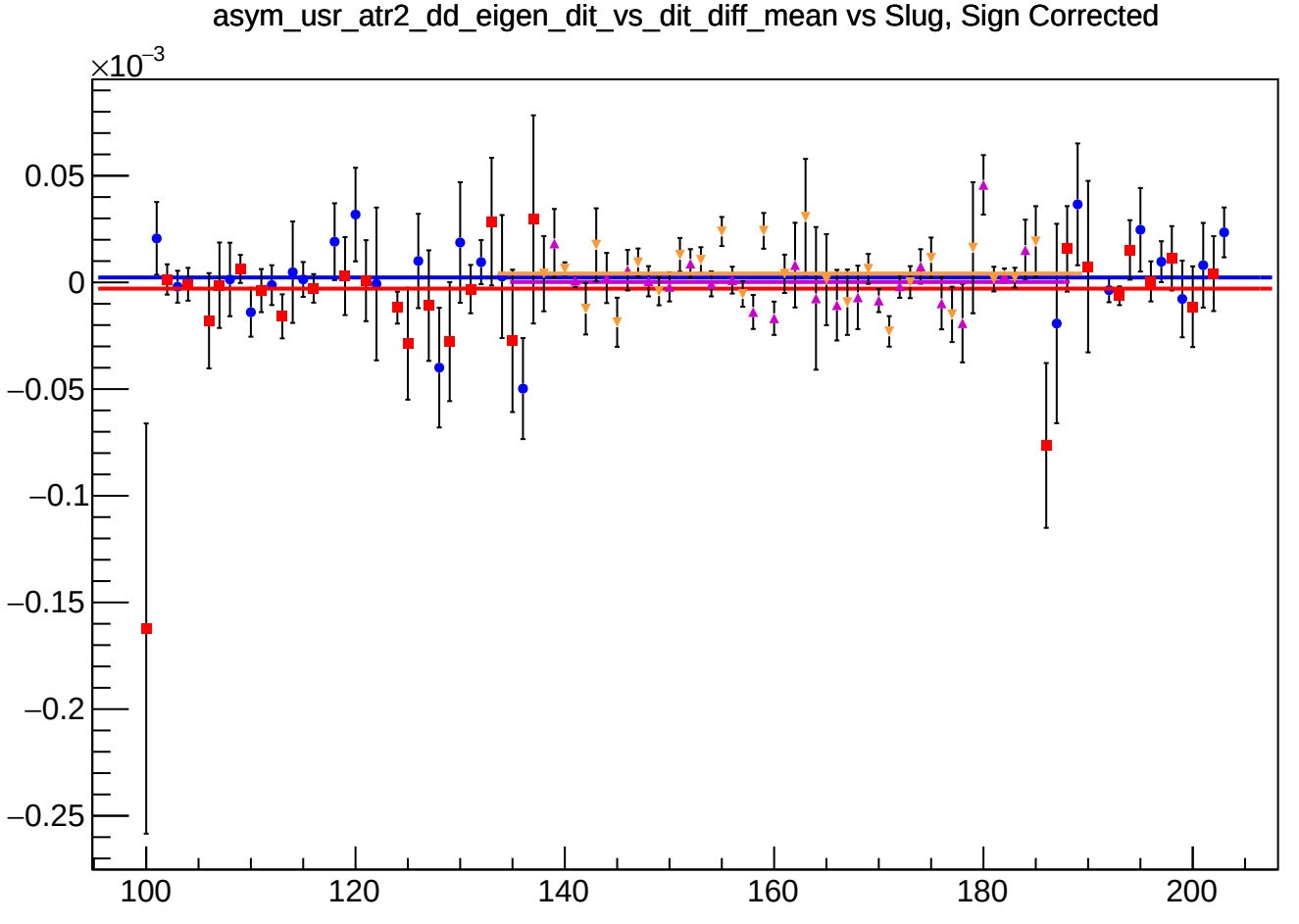
Left: 225.993+/-0.028 χ^2/NDF: 5933206.6/47

Right: 145.029+/-0.022 χ^2/NDF: 9175478.3/51

In: 191.853+/-0.026 χ^2/NDF:6831687.1/46

Out: 164.825+/-0.023 χ^2/NDF:12853329.9/52

All: 176.623+/-0.017 χ^2/NDF: 20280864.5/99



Right In: 0.000+/-0.000 χ^2/NDF: 22.8/23

Left Out: 0.000+/-0.000 χ^2/NDF:48.8/24

Right Out: -0.000+/-0.000 χ^2/NDF: 20.9/27

Left In: 0.000+/-0.000 χ^2/NDF:30.1/22

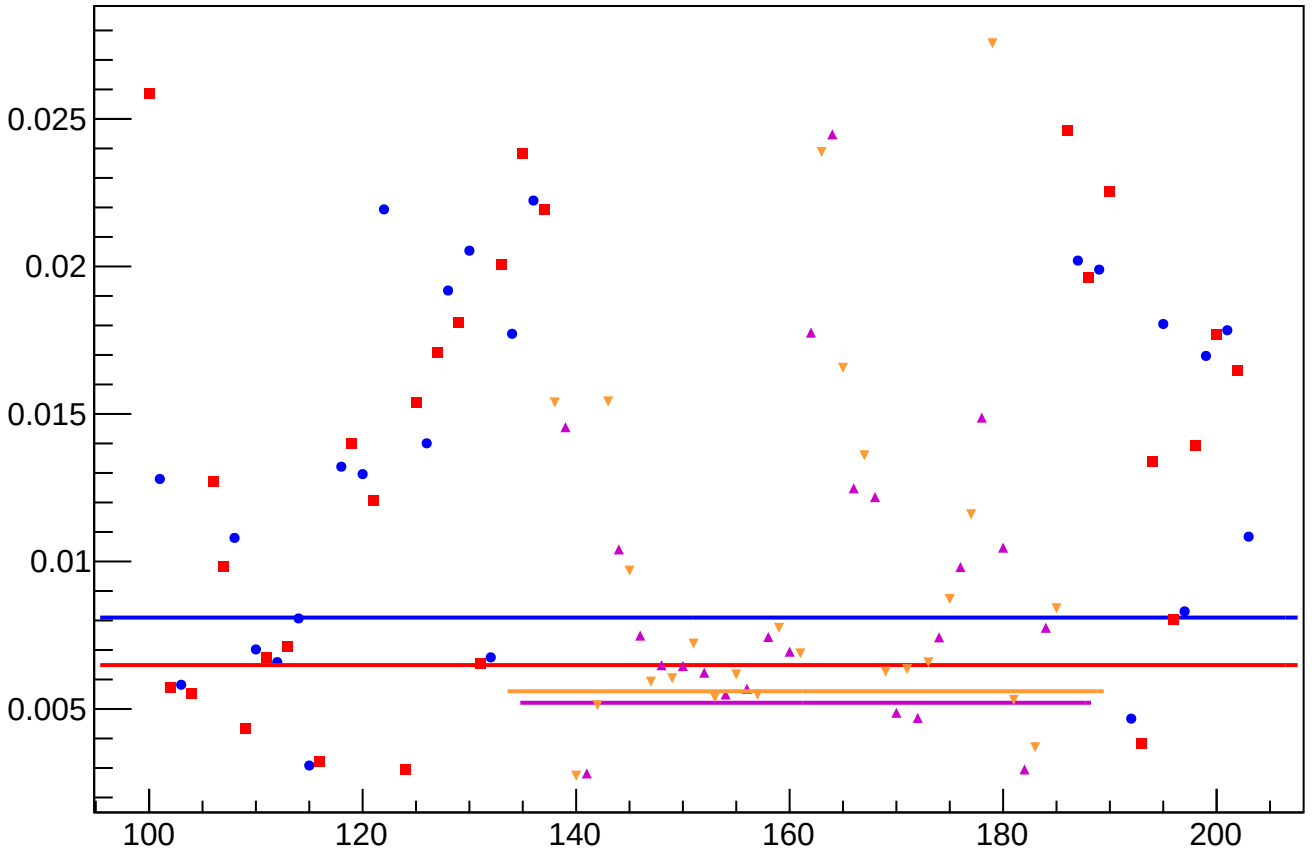
Left: 0.000+/-0.000 χ^2/NDF: 82.6/47

Right: -0.000+/-0.000 χ^2/NDF: 46.1/51

In: 0.000+/-0.000 χ^2/NDF:53.3/46

Out: 0.000+/-0.000 χ^2/NDF:77.4/52

All: 0.000+/-0.000 χ^2/NDF: 131.1/99



Right In: 0.008+/-0.000 χ^2/NDF: 6385835.4/23

Left Out: 0.006+/-0.000 χ^2/NDF:7769287.5/24

Right Out: 0.006+/-0.000 χ^2/NDF: 8794581.1/27

Left In: 0.005+/-0.000 χ^2/NDF:7460452.2/22

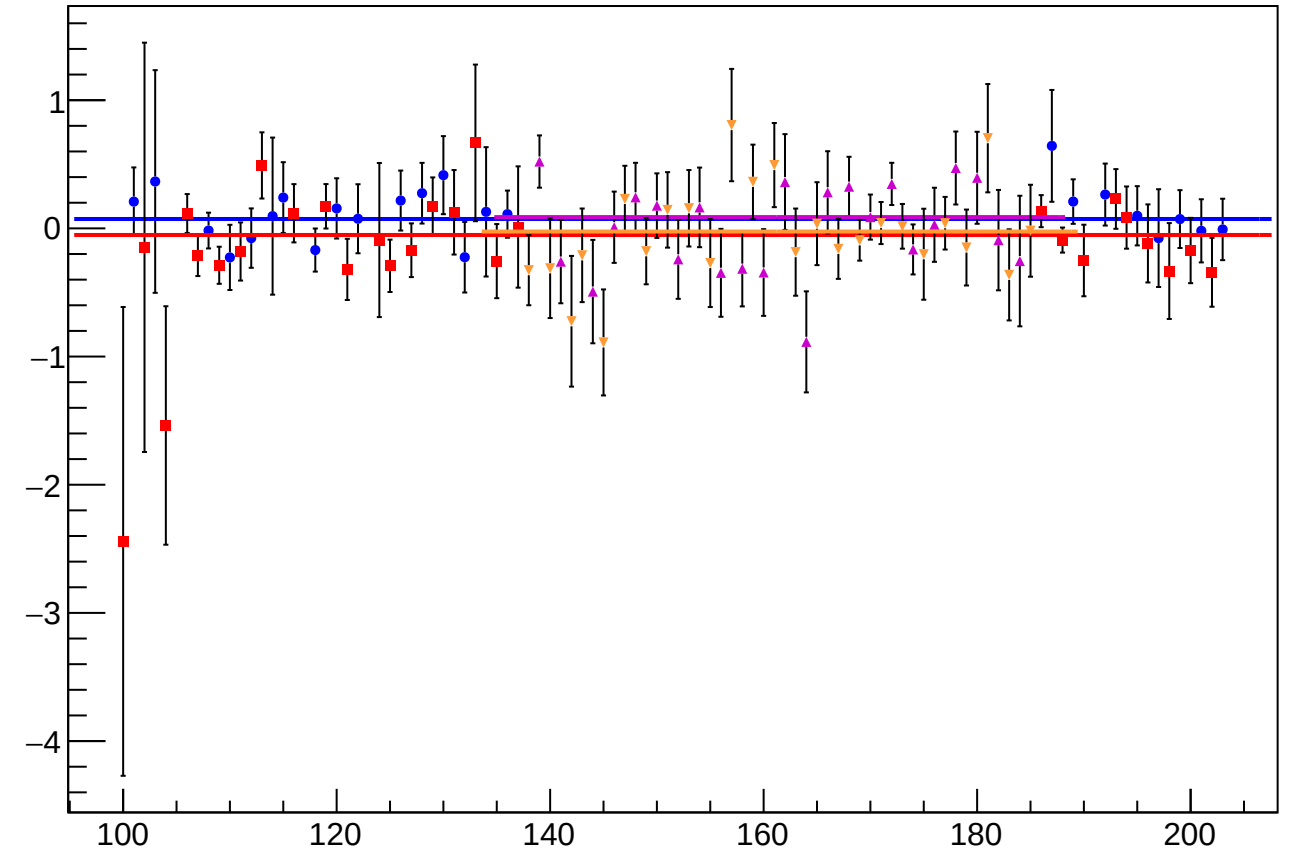
Left: 0.005+/-0.000 χ^2/NDF: 15302092.7/47

Right: 0.007+/-0.000 χ^2/NDF: 15634356.0/51

In: 0.006+/-0.000 χ^2/NDF:15687450.7/46

Out: 0.006+/-0.000 χ^2/NDF:16803482.3/52

All: 0.006+/-0.000 χ^2/NDF: 32491424.7/99



Right In: 0.073+/-0.049 χ^2/NDF: 12.1/23

Left Out: -0.025+/-0.055 χ^2/NDF:24.1/24

Right Out: -0.052+/-0.041 χ^2/NDF: 28.9/27

Left In: 0.088+/-0.057 χ^2/NDF:30.0/22

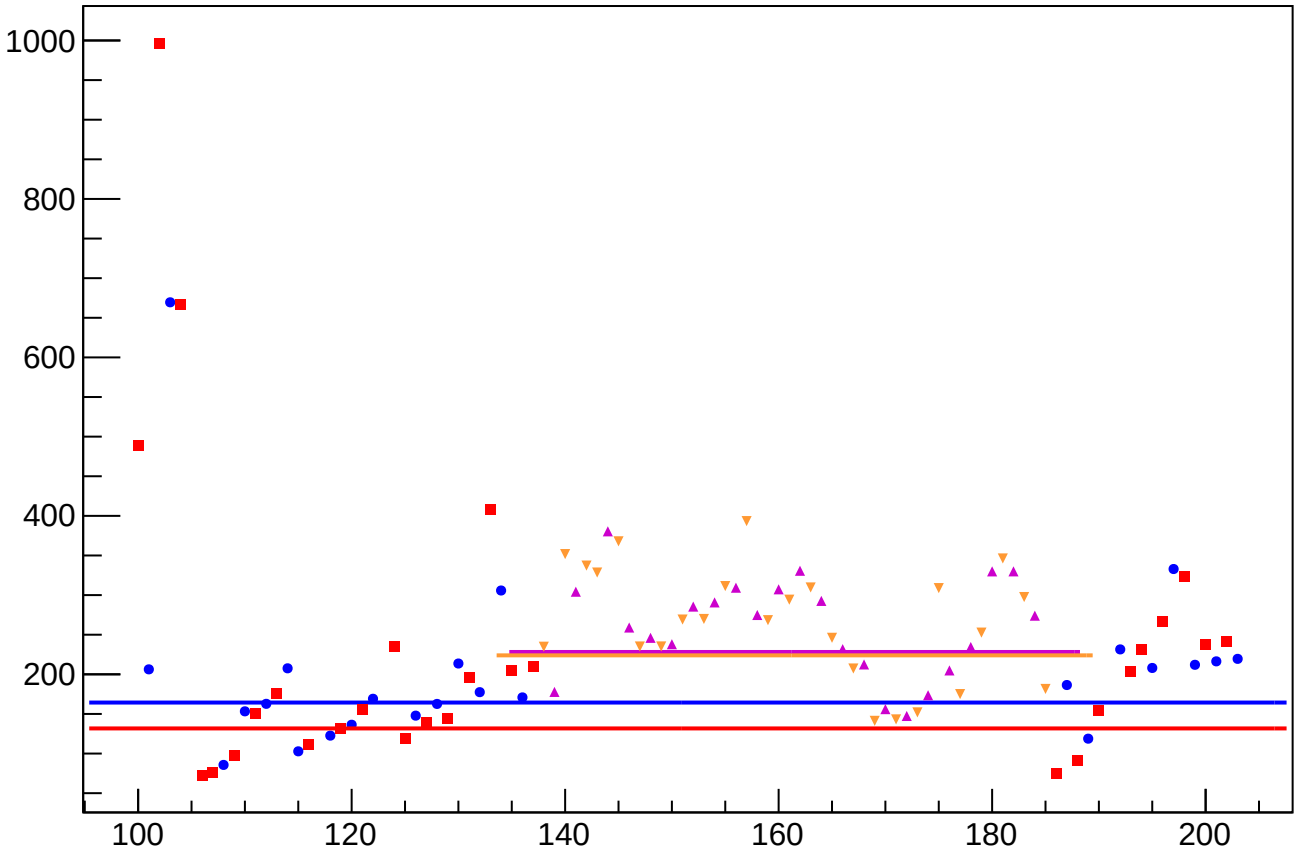
Left: 0.030+/-0.039 χ^2/NDF: 56.1/47

Right: -0.001+/-0.031 χ^2/NDF: 44.9/51

In: 0.080+/-0.037 χ^2/NDF:42.2/46

Out: -0.042+/-0.033 χ^2/NDF:53.2/52

All: 0.011+/-0.025 χ^2/NDF: 101.4/99



Right In: 164.381+/-0.035 χ^2/NDF: 2897889.2/23

Left Out: 223.946+/-0.039 χ^2/NDF:3438541.7/24

Right Out: 131.711+/-0.029 χ^2/NDF: 5755899.5/27

Left In: 228.201+/-0.040 χ^2/NDF:2488951.6/22

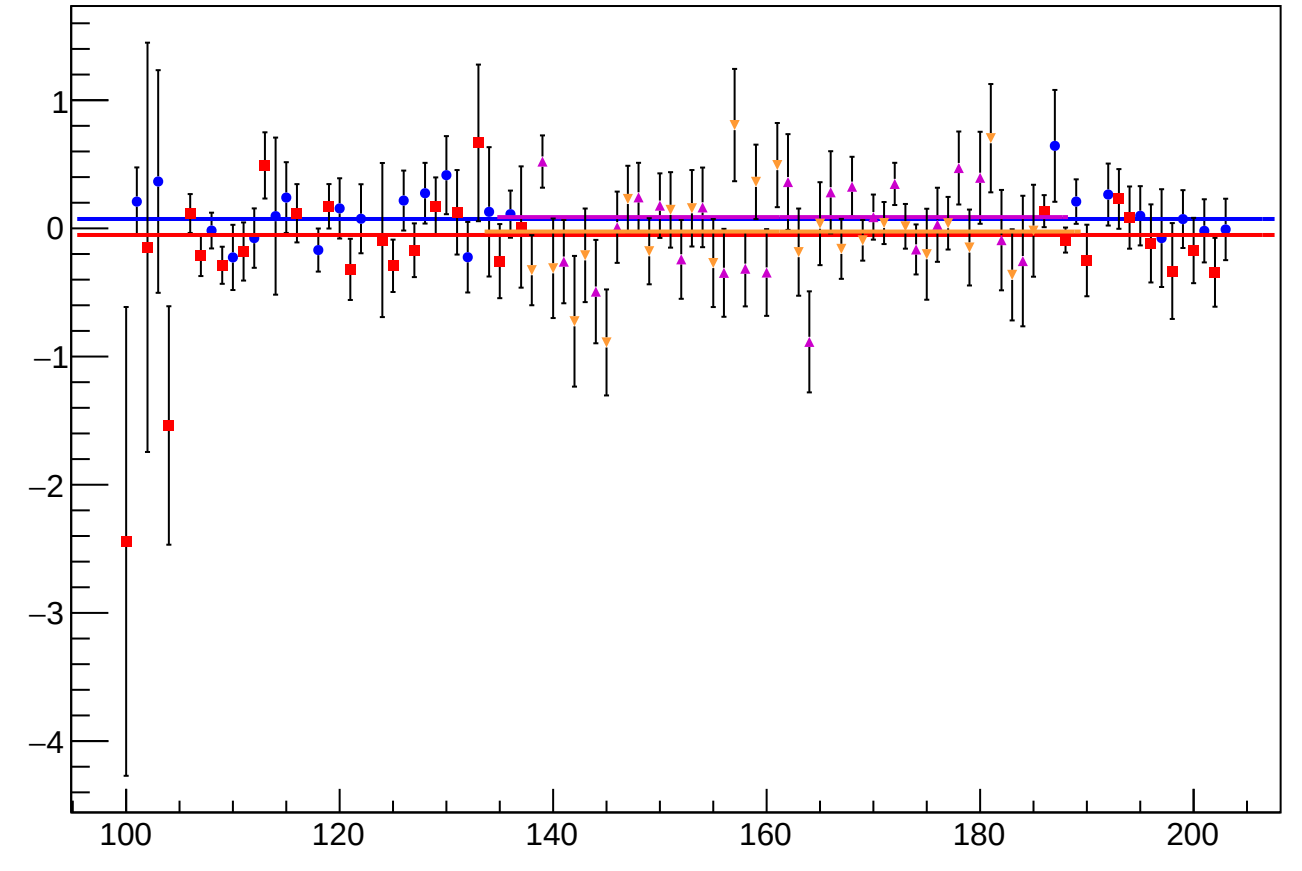
Left: 225.995+/-0.028 χ^2/NDF: 5933340.6/47

Right: 145.031+/-0.022 χ^2/NDF: 9174939.0/51

In: 191.851+/-0.026 χ^2/NDF:6832156.1/46

Out: 164.829+/-0.023 χ^2/NDF:12852567.5/52

All: 176.625+/-0.017 χ^2/NDF: 20280287.7/99



Right In: 0.073+/-0.049 χ^2/NDF: 12.1/23

Left Out: -0.025+/-0.055 χ^2/NDF:24.1/24

Right Out: -0.052+/-0.041 χ^2/NDF: 28.9/27

Left In: 0.088+/-0.057 χ^2/NDF:30.0/22

Left: 0.030+/-0.039 χ^2/NDF: 56.1/47

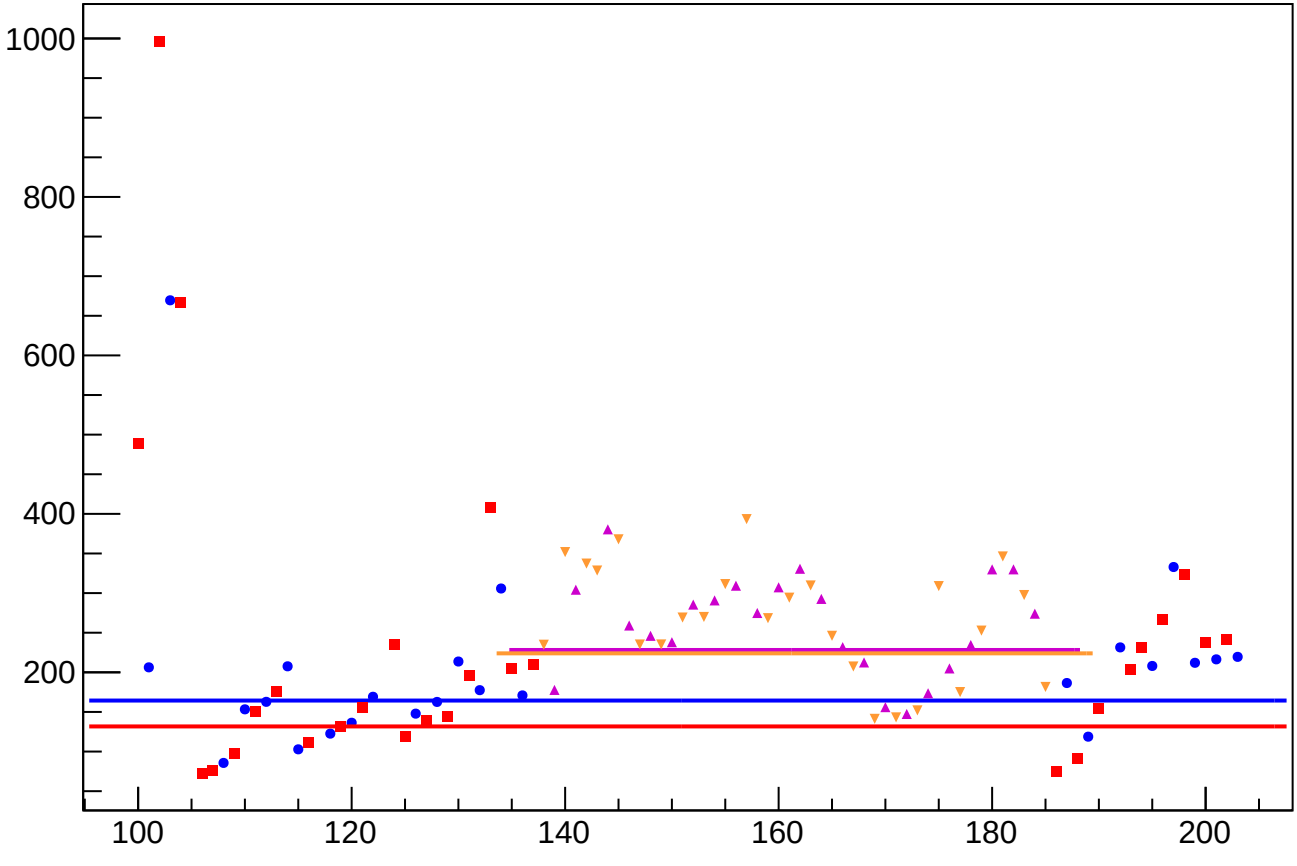
Right: -0.001+/-0.031 χ^2/NDF: 44.9/51

In: 0.080+/-0.037 χ^2/NDF:42.2/46

Out: -0.042+/-0.033 χ^2/NDF:53.2/52

All: 0.011+/-0.025 χ^2/NDF: 101.4/99

asym_usr_atr2_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 164.381+/-0.035 χ^2/NDF: 2897889.2/23

Left Out: 223.946+/-0.039 χ^2/NDF:3438541.7/24

Right Out: 131.711+/-0.029 χ^2/NDF: 5755899.5/27

Left In: 228.201+/-0.040 χ^2/NDF:2488951.6/22

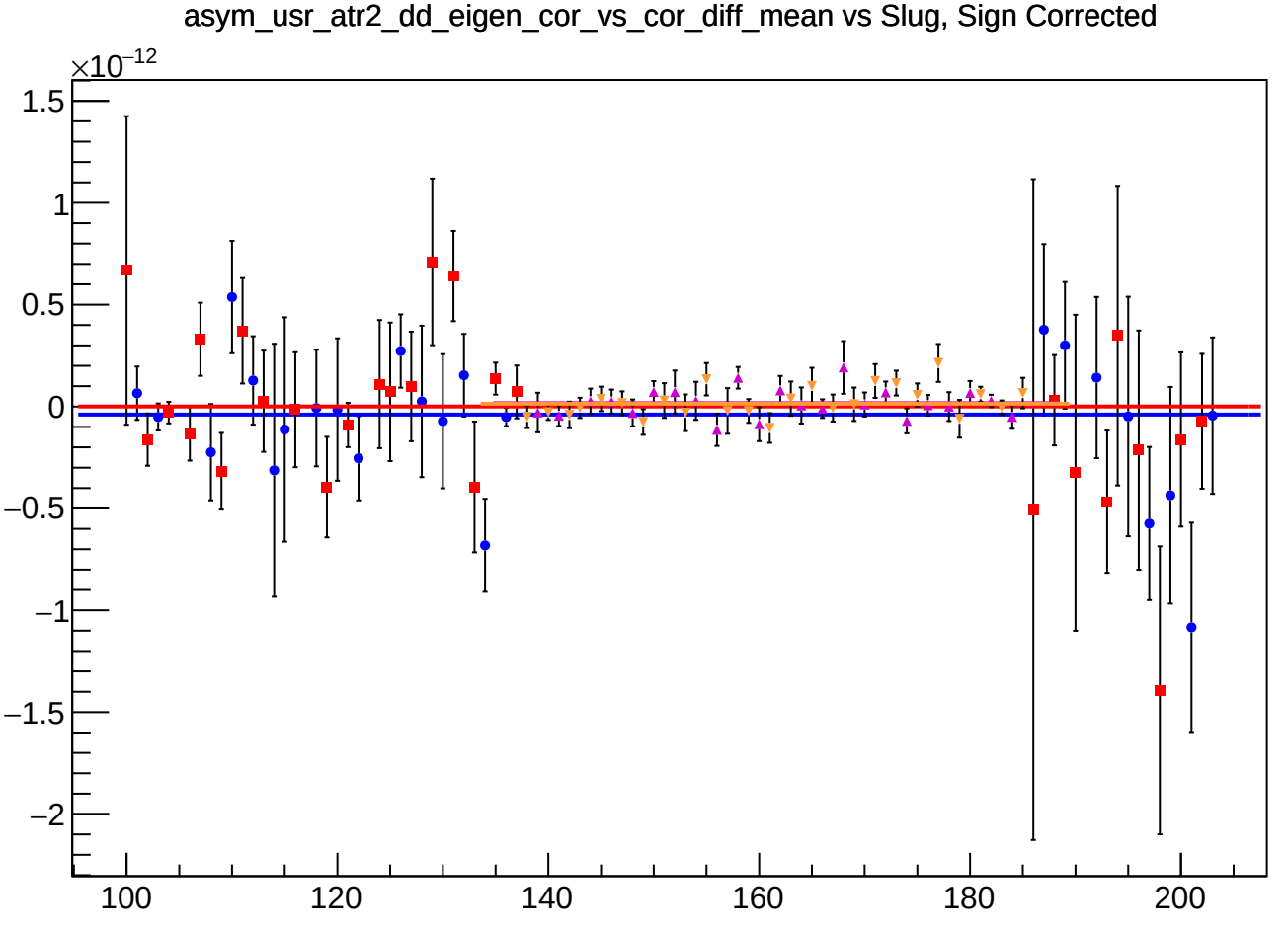
Left: 225.995+/-0.028 χ^2/NDF: 5933340.6/47

Right: 145.031+/-0.022 χ^2/NDF: 9174939.0/51

In: 191.851+/-0.026 χ^2/NDF:6832156.1/46

Out: 164.829+/-0.023 χ^2/NDF:12852567.5/52

All: 176.625+/-0.017 χ^2/NDF: 20280287.7/99



Right In: -0.000+/-0.000 χ^2/NDF: 28.6/23

Left Out: 0.000+/-0.000 χ^2/NDF:25.3/24

Right Out: 0.000+/-0.000 χ^2/NDF: 38.4/27

Left In: 0.000+/-0.000 χ^2/NDF:21.7/22

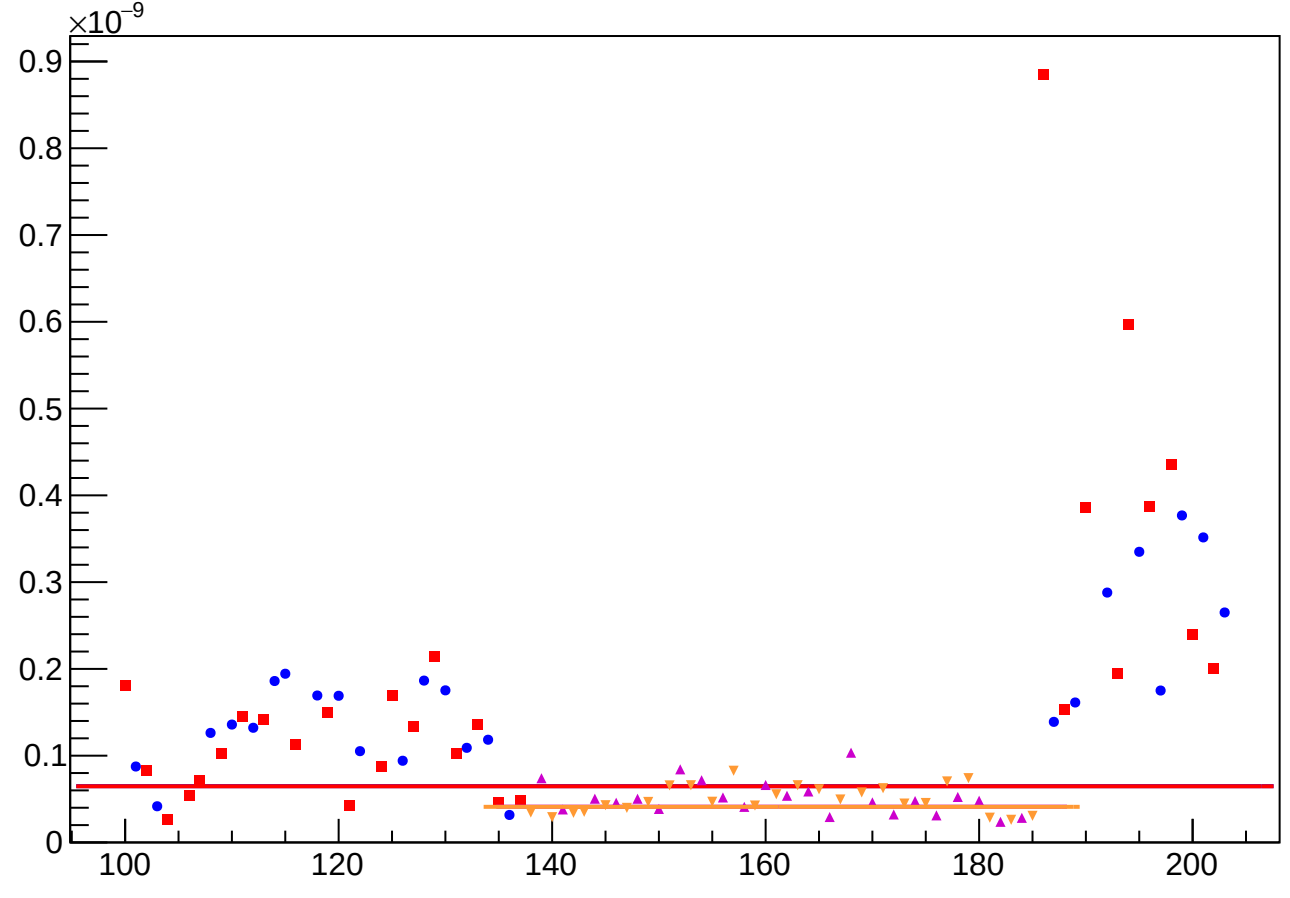
Left: 0.000+/-0.000 χ^2/NDF: 47.1/47

Right: -0.000+/-0.000 χ^2/NDF: 67.7/51

In: 0.000+/-0.000 χ^2/NDF:53.1/46

Out: 0.000+/-0.000 χ^2/NDF:63.9/52

All: 0.000+/-0.000 χ^2/NDF: 117.0/99



Right In: 0.000+/-0.000 χ^2/NDF: 6585296.8/23

Left Out: 0.000+/-0.000 χ^2/NDF:2644306.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 7208915.8/27

Left In: 0.000+/-0.000 χ^2/NDF:2852113.9/22

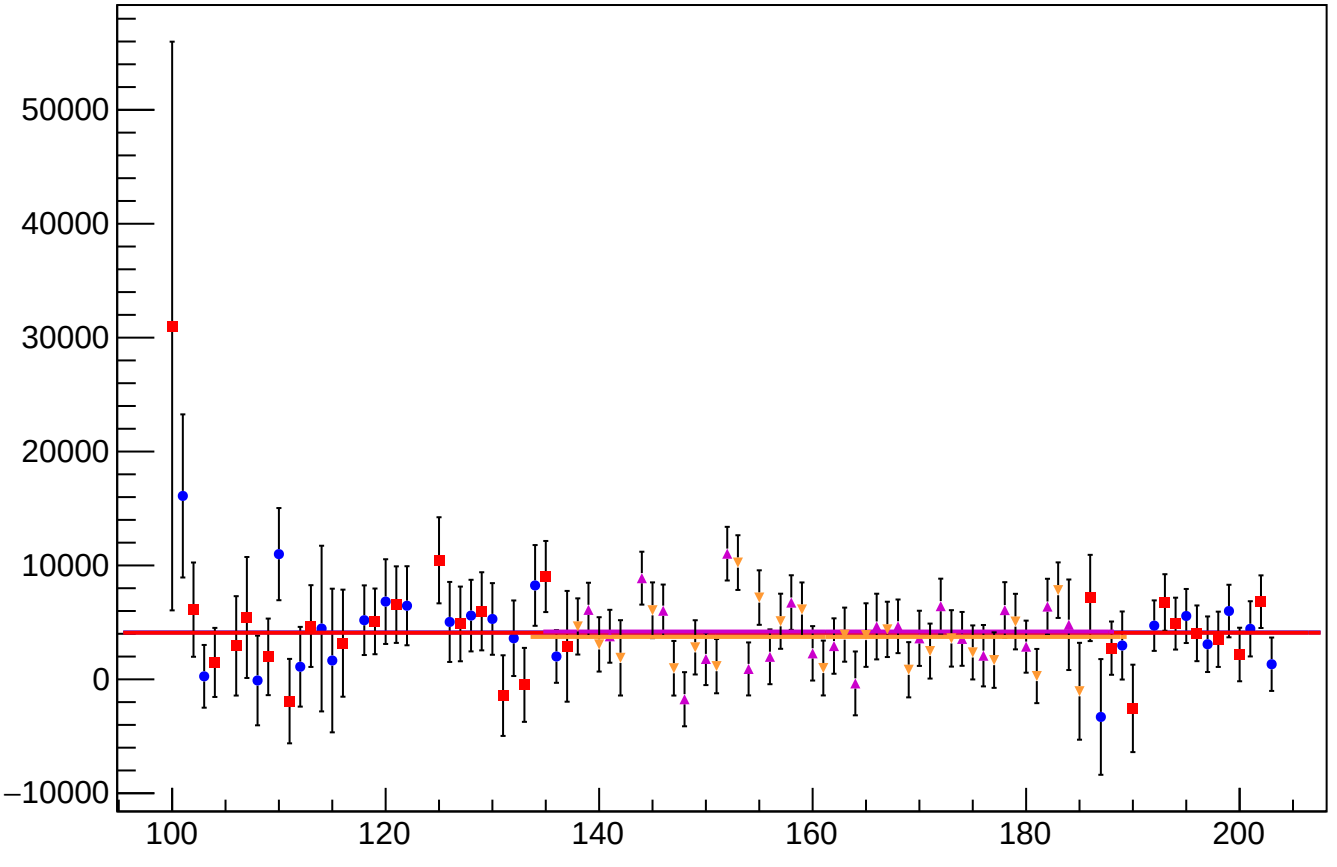
Left: 0.000+/-0.000 χ^2/NDF: 5496578.5/47

Right: 0.000+/-0.000 χ^2/NDF: 13794239.3/51

In: 0.000+/-0.000 χ^2/NDF:10420197.9/46

Out: 0.000+/-0.000 χ^2/NDF:10853846.4/52

All: 0.000+/-0.000 χ^2/NDF: 21274535.1/99



Right In: 4116.126+/-626.732 χ^2/NDF: 18.4/23

Left Out: 3723.486+/-507.155 χ^2/NDF:25.4/23

Right Out: 4092.191+/-608.810 χ^2/NDF: 23.5/26

Left In: 4195.942+/-510.578 χ^2/NDF:32.1/22

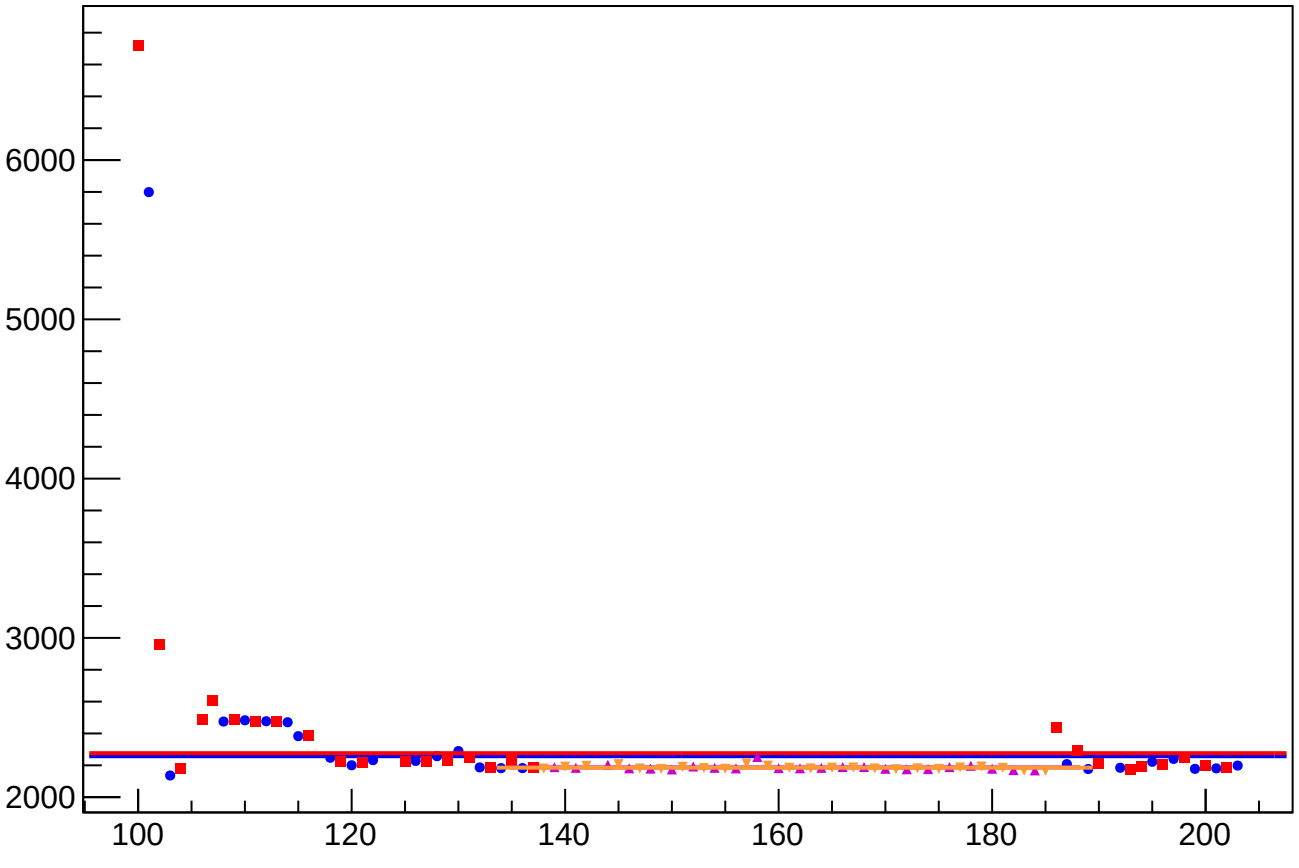
Left: 3958.125+/-359.817 χ^2/NDF: 58.0/46

Right: 4103.811+/-436.692 χ^2/NDF: 42.0/50

In: 4164.101+/-395.847 χ^2/NDF:50.6/46

Out: 3874.529+/-389.666 χ^2/NDF:49.2/50

All: 4017.037+/-277.695 χ^2/NDF: 100.0/97



Right In: 2257.206+/-0.443 χ^2/NDF: 530552.4/23

Left Out: 2185.133+/-0.359 χ^2/NDF:815.1/23

Right Out: 2276.248+/-0.430 χ^2/NDF: 176435.6/26

Left In: 2186.745+/-0.361 χ^2/NDF:2063.9/22

Left: 2185.934+/-0.254 χ^2/NDF: 2889.0/46

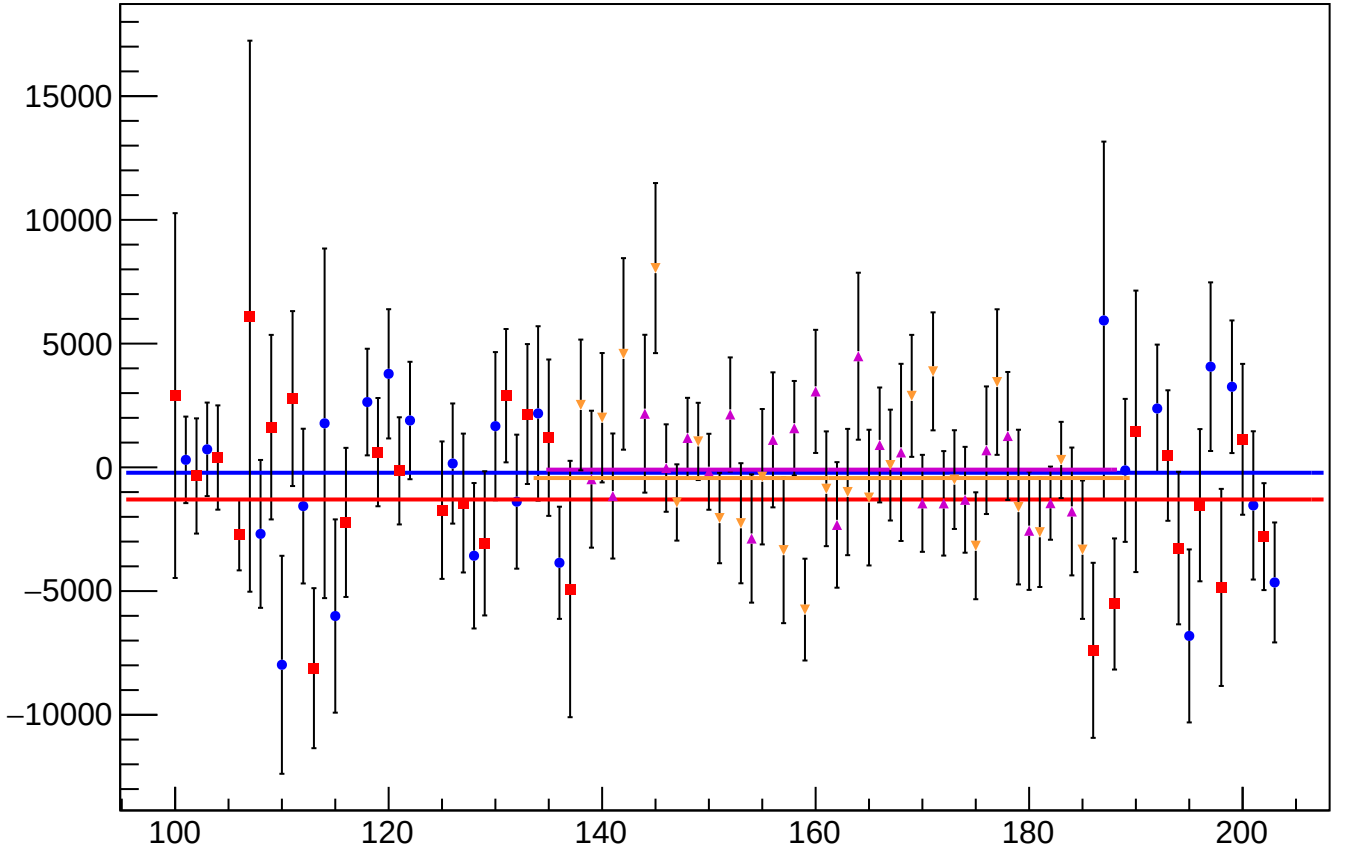
Right: 2267.003+/-0.309 χ^2/NDF: 707937.9/50

In: 2214.854+/-0.280 χ^2/NDF:547811.1/46

Out: 2222.459+/-0.276 χ^2/NDF:203696.3/50

All: 2218.716+/-0.196 χ^2/NDF: 751882.3/97

asym_us_avg_at1lr_avg_avg_reg_correction_mean vs Slug, Sign Corrected



Right In: -218.609+/-560.311 χ^2/NDF: 28.5/23

Left Out: -432.286+/-462.383 χ^2/NDF:31.3/23

Right Out: -1298.671+/-536.516 χ^2/NDF: 24.1/26

Left In: -92.649+/-460.669 χ^2/NDF:12.8/22

Left: -261.837+/-326.347 χ^2/NDF: 44.3/46

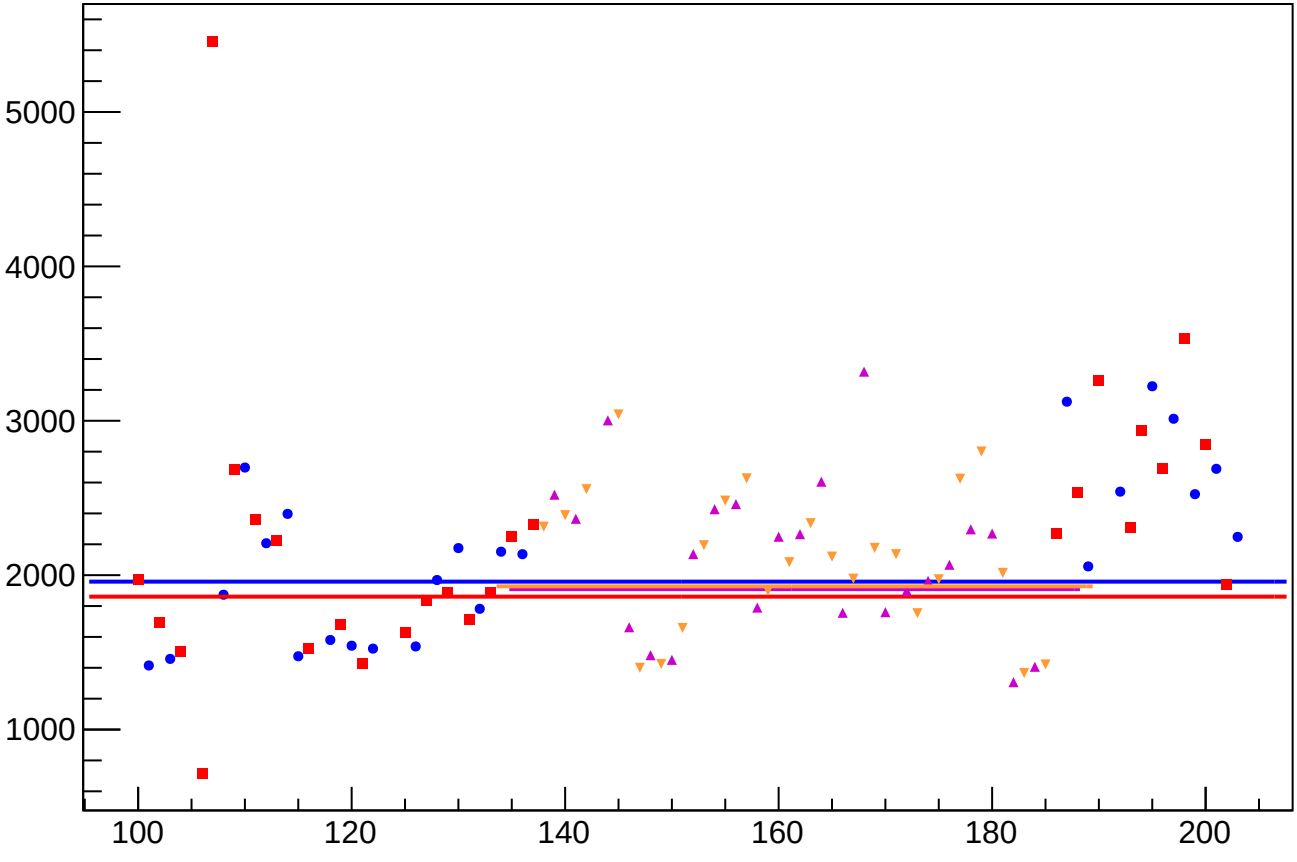
Right: -782.060+/-387.513 χ^2/NDF: 54.5/50

In: -143.452+/-355.842 χ^2/NDF:41.3/46

Out: -801.532+/-350.256 χ^2/NDF:56.9/50

All: -477.698+/-249.620 χ^2/NDF: 99.9/97

asym_us_avg_at1lr_avg_avg_reg_correction_rms vs Slug, Sign Corrected



Right In: 1958.121+/-0.396 χ^2/NDF: 1565616.6/23

Left Out: 1927.660+/-0.327 χ^2/NDF:1798383.1/23

Right Out: 1860.931+/-0.379 χ^2/NDF: 3200597.1/26

Left In: 1909.612+/-0.326 χ^2/NDF:1942264.8/22

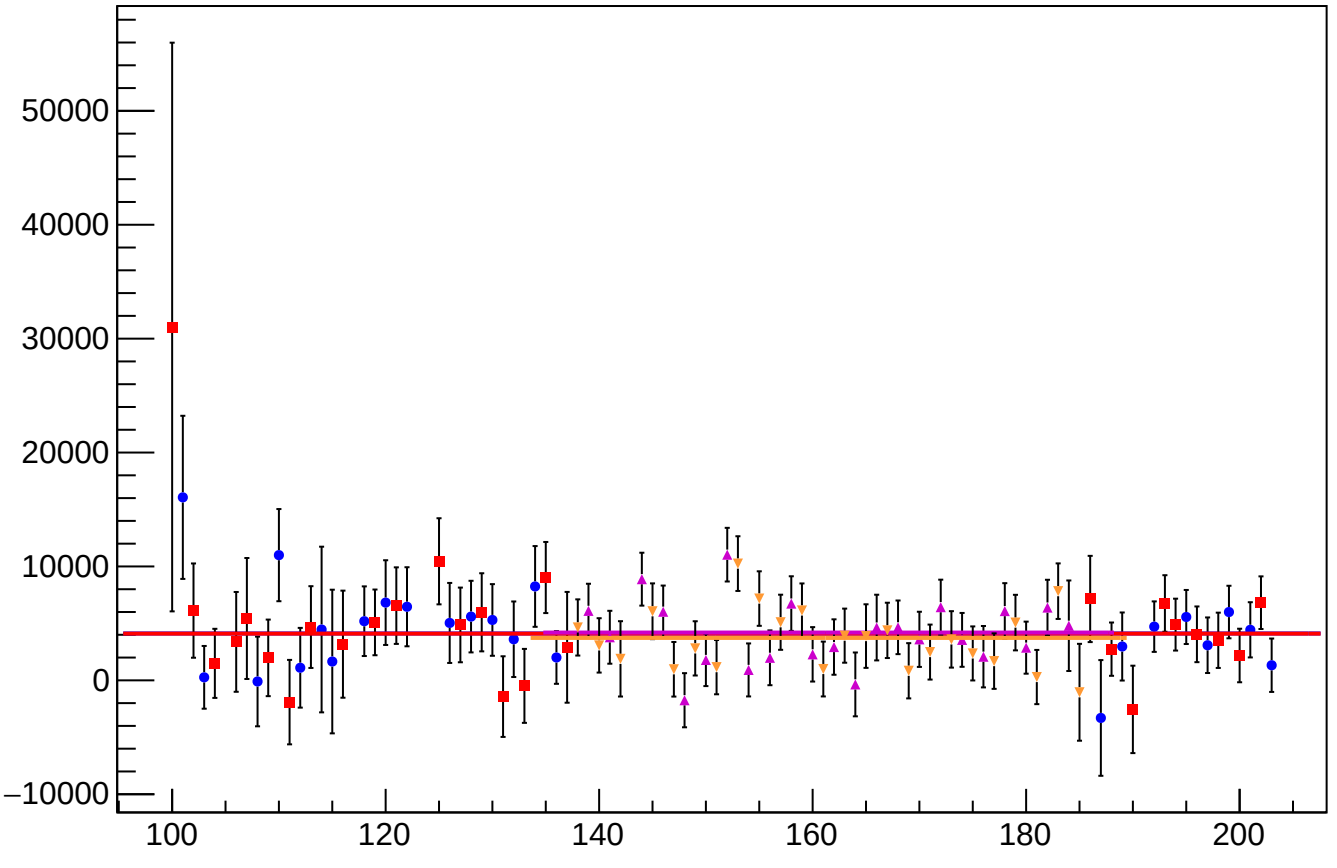
Left: 1918.603+/-0.231 χ^2/NDF: 3742177.0/46

Right: 1907.419+/-0.274 χ^2/NDF: 4797606.2/50

In: 1929.177+/-0.252 χ^2/NDF:3516825.8/46

Out: 1899.221+/-0.248 χ^2/NDF:5016733.0/50

All: 1913.962+/-0.177 χ^2/NDF: 8540757.9/97



Right In: 4115.894+/-626.732 χ^2/NDF: 18.4/23

Left Out: 3723.433+/-507.155 χ^2/NDF:25.4/23

Right Out: 4101.068+/-608.861 χ^2/NDF: 23.5/26

Left In: 4196.060+/-510.578 χ^2/NDF:32.1/22

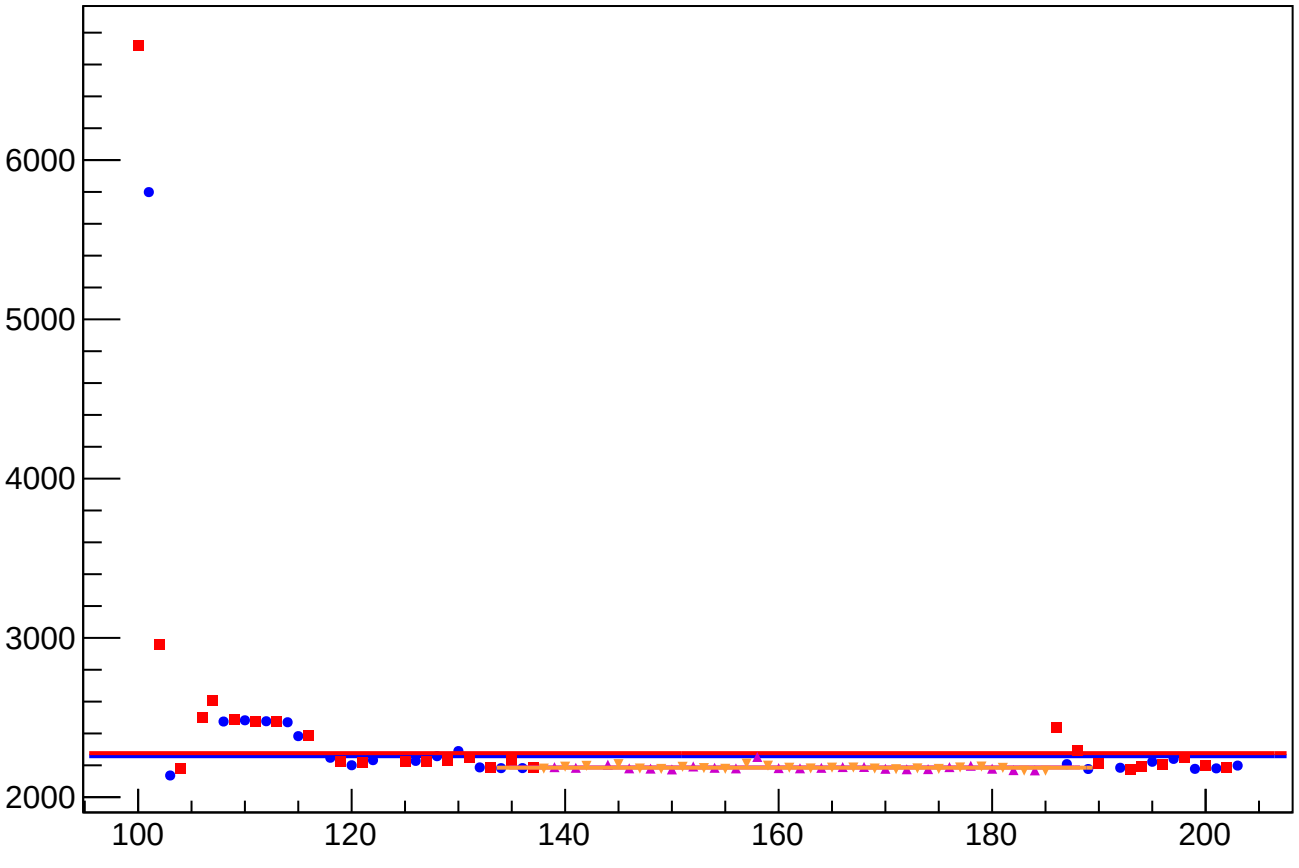
Left: 3958.157+/-359.817 χ^2/NDF: 58.0/46

Right: 4108.266+/-436.711 χ^2/NDF: 41.9/50

In: 4164.080+/-395.847 χ^2/NDF:50.5/46

Out: 3878.119+/-389.679 χ^2/NDF:49.2/50

All: 4018.854+/-277.700 χ^2/NDF: 100.0/97



Right In: 2257.206+/-0.443 χ^2/NDF: 530552.9/23

Left Out: 2185.133+/-0.359 χ^2/NDF:815.1/23

Right Out: 2276.419+/-0.431 χ^2/NDF: 176884.2/26

Left In: 2186.745+/-0.361 χ^2/NDF:2063.9/22

Left: 2185.934+/-0.254 χ^2/NDF: 2889.0/46

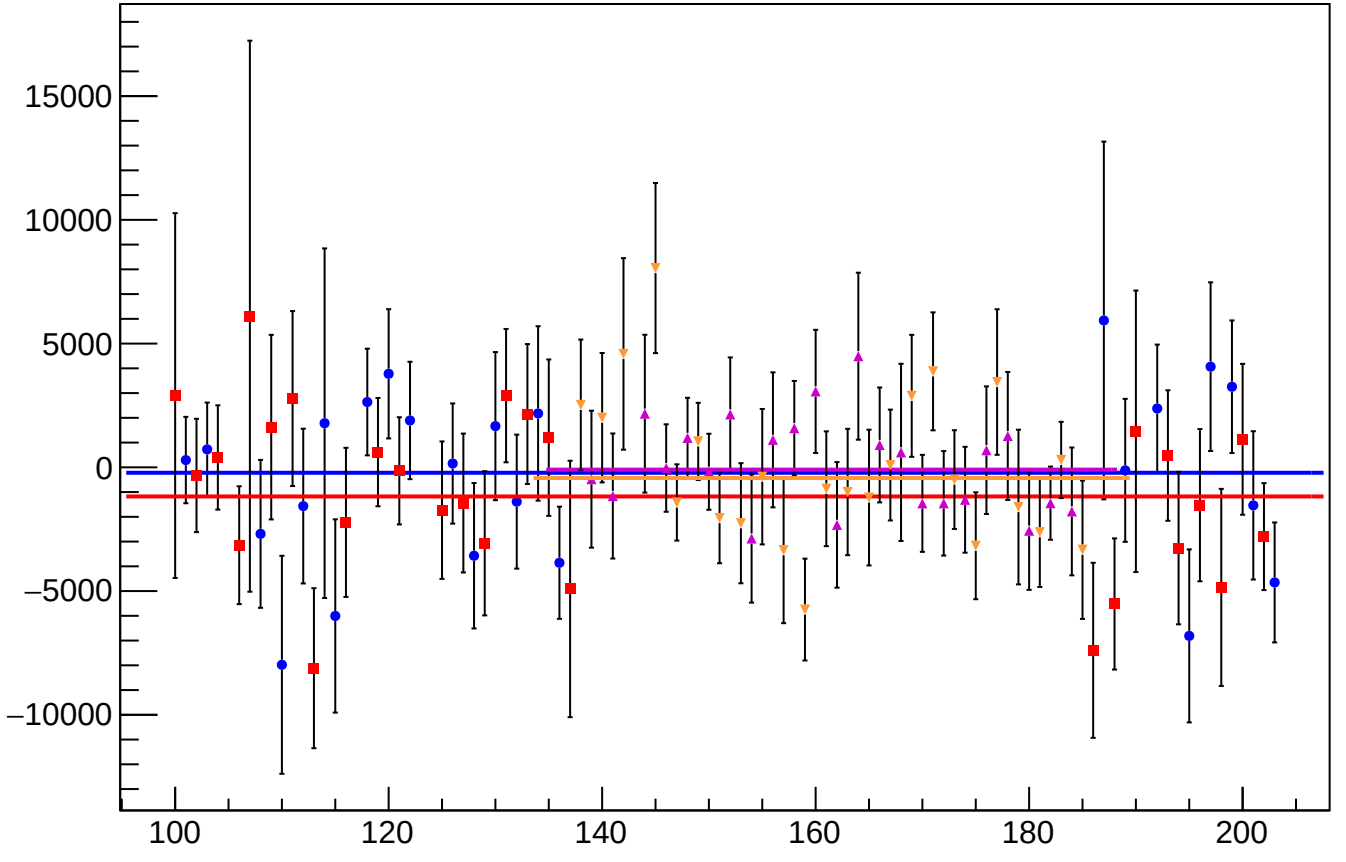
Right: 2267.091+/-0.309 χ^2/NDF: 708404.0/50

In: 2214.854+/-0.280 χ^2/NDF:547811.5/46

Out: 2222.525+/-0.276 χ^2/NDF:204241.7/50

All: 2218.750+/-0.196 χ^2/NDF: 752434.7/97

asym_us_avg_at1lr_avg_avg_cor_correction_mean vs Slug, Sign Corrected



Right In: -219.320+/-560.232 χ^2/NDF: 28.5/23

Left Out: -432.320+/-462.383 χ^2/NDF:31.3/23

Right Out: -1176.571+/-561.897 χ^2/NDF: 23.6/26

Left In: -92.604+/-460.670 χ^2/NDF:12.8/22

Left: -261.832+/-326.347 χ^2/NDF: 44.3/46

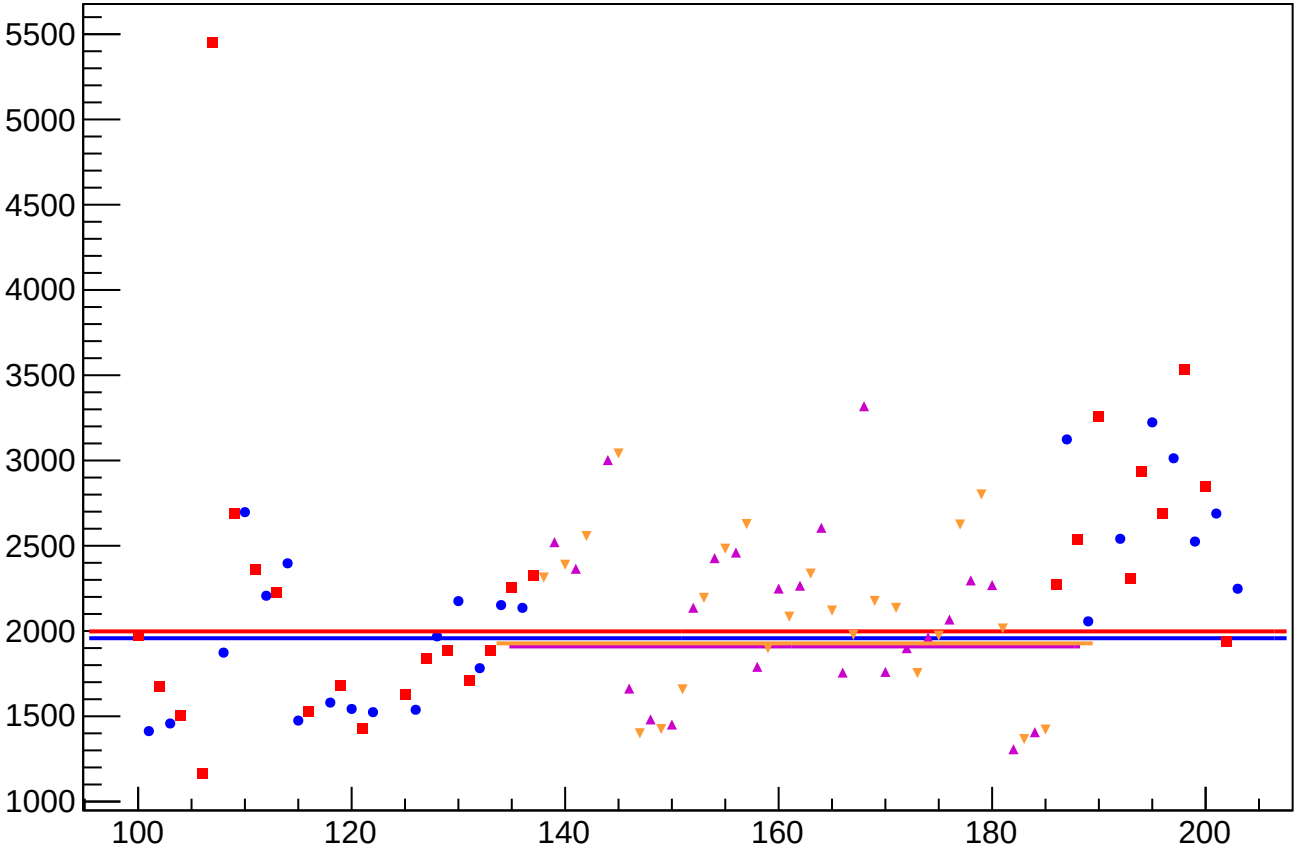
Right: -696.525+/-396.731 χ^2/NDF: 53.6/50

In: -143.721+/-355.822 χ^2/NDF:41.3/46

Out: -732.814+/-357.038 χ^2/NDF:56.0/50

All: -437.263+/-252.033 χ^2/NDF: 98.7/97

asym_us_avg_at1lr_avg_avg_cor_correction_rms vs Slug, Sign Corrected



Right In: 1957.775+/-0.396 χ^2/NDF: 1567521.9/23

Left Out: 1927.659+/-0.327 χ^2/NDF:1798407.2/23

Right Out: 1997.890+/-0.397 χ^2/NDF: 1969189.2/26

Left In: 1909.618+/-0.326 χ^2/NDF:1942286.8/22

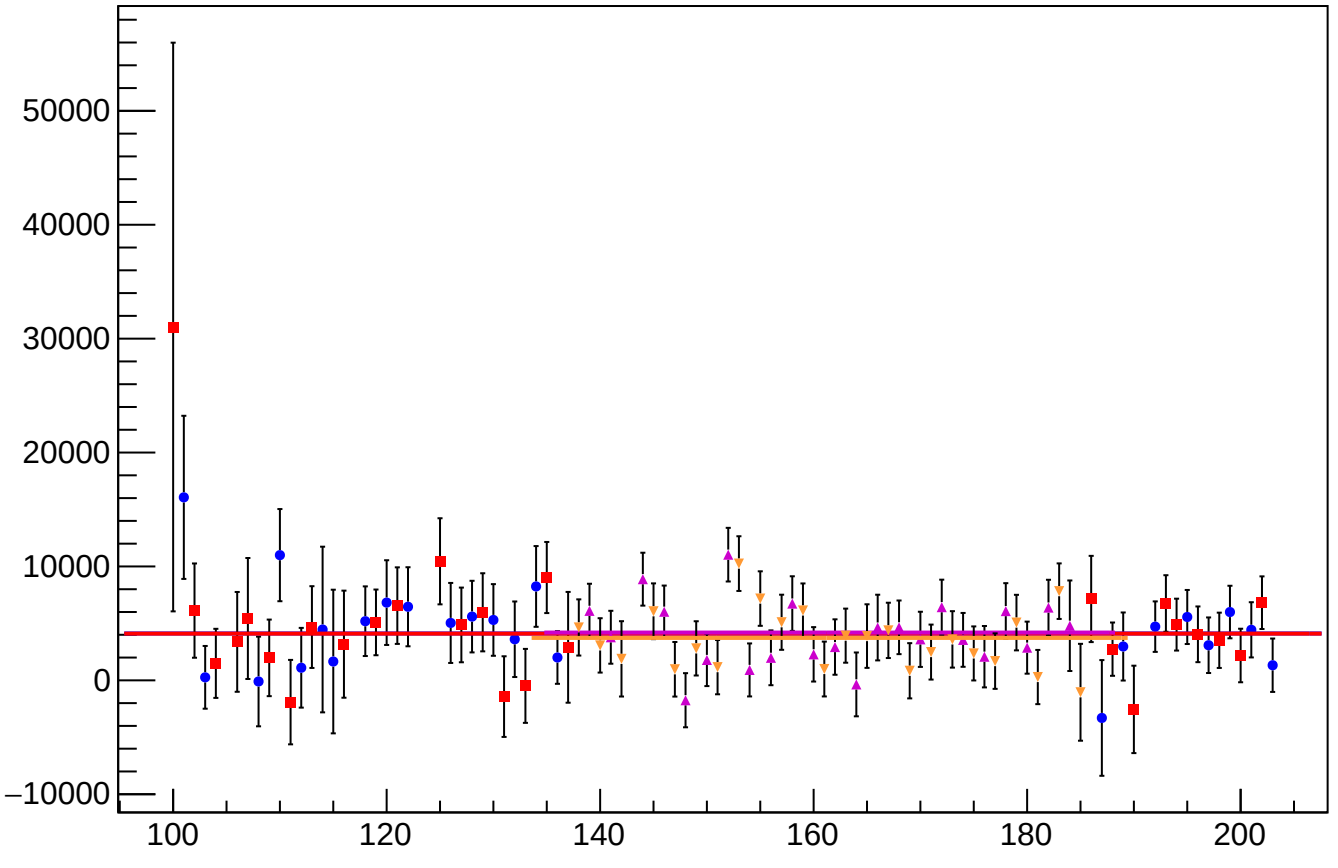
Left: 1918.605+/-0.231 χ^2/NDF: 3742222.0/46

Right: 1977.773+/-0.281 χ^2/NDF: 3541822.9/50

In: 1929.044+/-0.252 χ^2/NDF:3518625.5/46

Out: 1956.015+/-0.252 χ^2/NDF:3786225.9/50

All: 1942.484+/-0.178 χ^2/NDF: 7310577.1/97



Right In: 4115.894+/-626.732 χ^2/NDF: 18.4/23

Left Out: 3723.433+/-507.155 χ^2/NDF:25.4/23

Right Out: 4101.068+/-608.861 χ^2/NDF: 23.5/26

Left In: 4196.060+/-510.578 χ^2/NDF:32.1/22

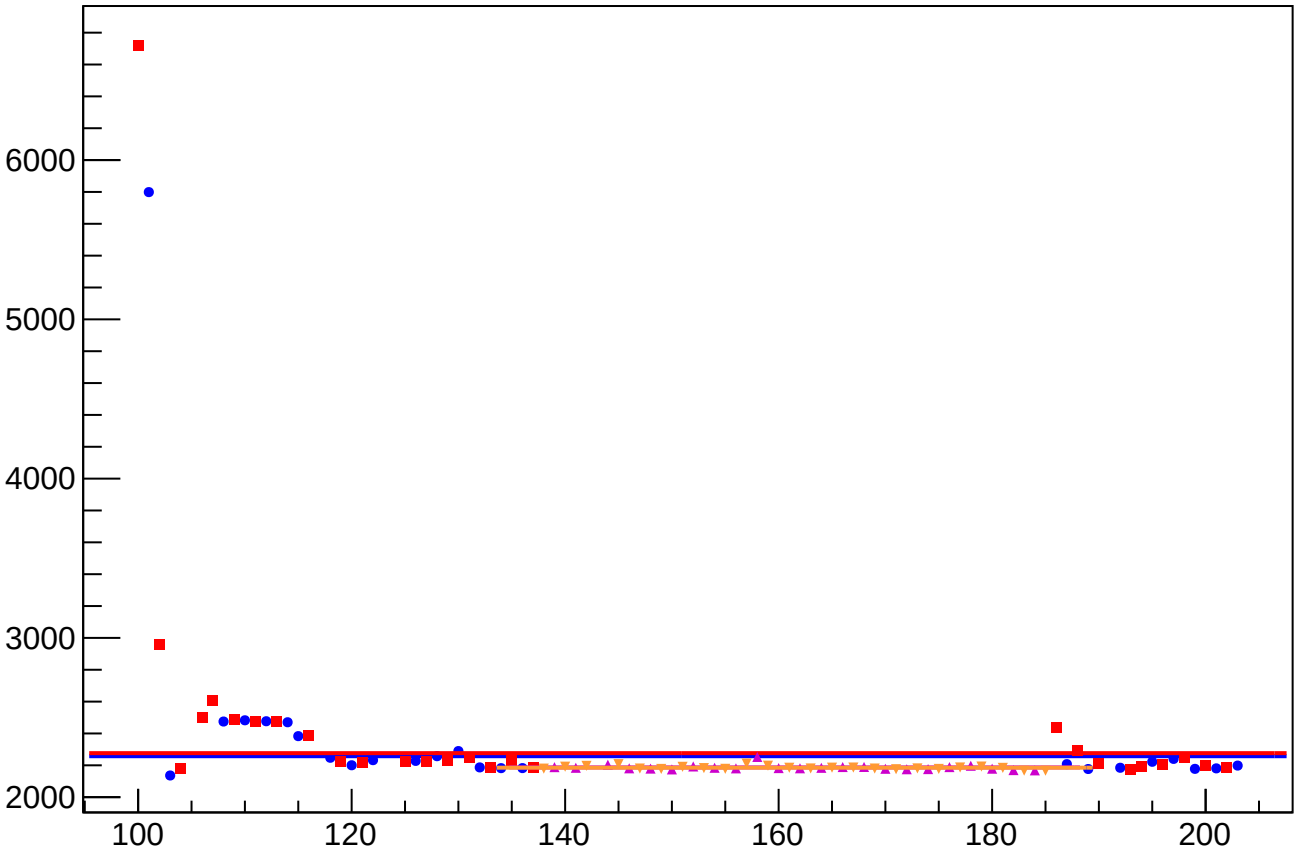
Left: 3958.157+/-359.817 χ^2/NDF: 58.0/46

Right: 4108.266+/-436.711 χ^2/NDF: 41.9/50

In: 4164.080+/-395.847 χ^2/NDF:50.5/46

Out: 3878.119+/-389.679 χ^2/NDF:49.2/50

All: 4018.854+/-277.700 χ^2/NDF: 100.0/97



Right In: 2257.206+/-0.443 χ^2/NDF: 530552.9/23

Left Out: 2185.133+/-0.359 χ^2/NDF:815.1/23

Right Out: 2276.419+/-0.431 χ^2/NDF: 176884.2/26

Left In: 2186.745+/-0.361 χ^2/NDF:2063.9/22

Left: 2185.934+/-0.254 χ^2/NDF: 2889.0/46

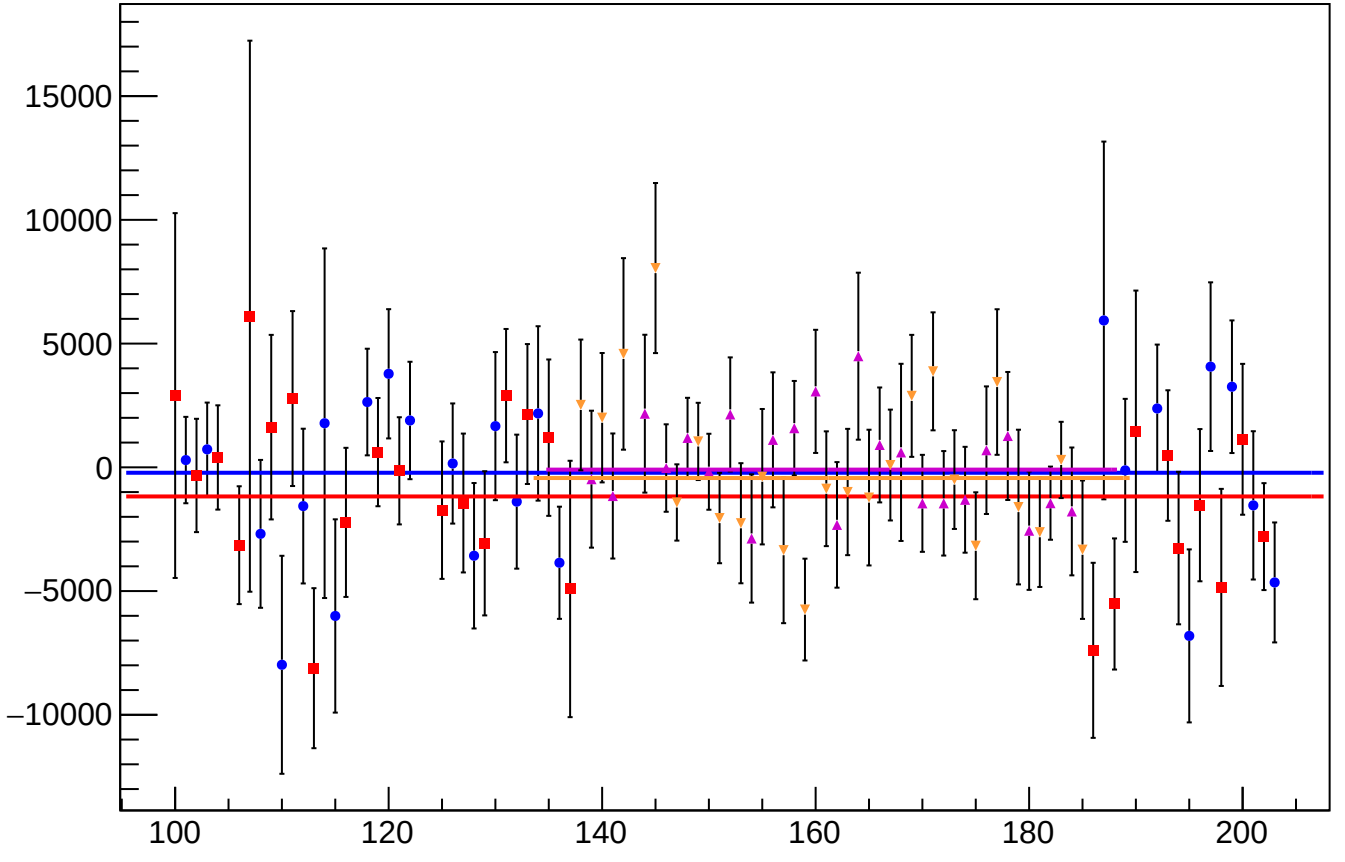
Right: 2267.091+/-0.309 χ^2/NDF: 708404.0/50

In: 2214.854+/-0.280 χ^2/NDF:547811.5/46

Out: 2222.525+/-0.276 χ^2/NDF:204241.7/50

All: 2218.750+/-0.196 χ^2/NDF: 752434.7/97

asym_us_avg_at1lr_avg_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -219.320+/-560.232 χ^2/NDF: 28.5/23

Left Out: -432.320+/-462.383 χ^2/NDF:31.3/23

Right Out: -1176.571+/-561.897 χ^2/NDF: 23.6/26

Left In: -92.604+/-460.670 χ^2/NDF:12.8/22

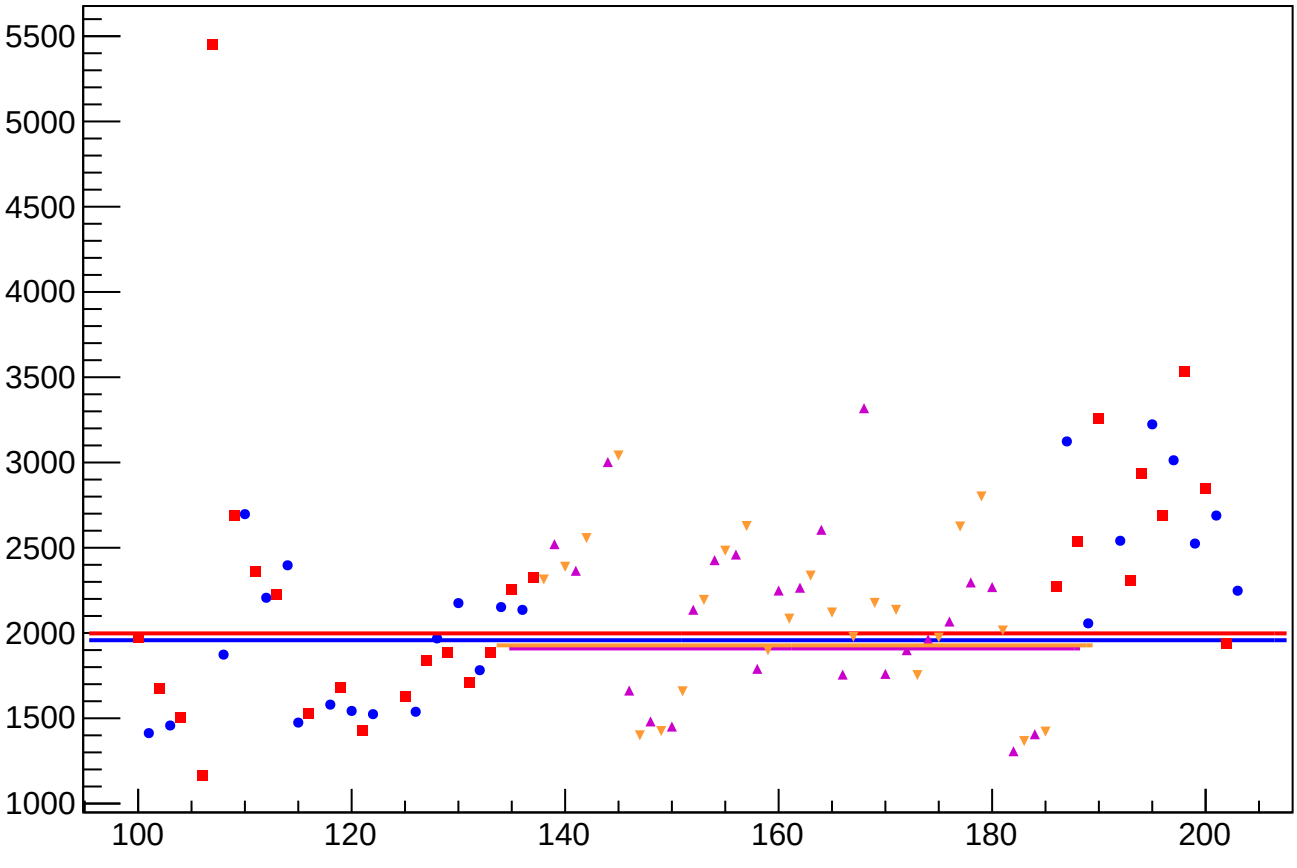
Left: -261.832+/-326.347 χ^2/NDF: 44.3/46

Right: -696.525+/-396.731 χ^2/NDF: 53.6/50

In: -143.721+/-355.822 χ^2/NDF:41.3/46

Out: -732.814+/-357.038 χ^2/NDF:56.0/50

All: -437.263+/-252.033 χ^2/NDF: 98.7/97



Right In: 1957.775+/-0.396 χ^2/NDF: 1567521.9/23

Left Out: 1927.659+/-0.327 χ^2/NDF:1798407.2/23

Right Out: 1997.890+/-0.397 χ^2/NDF: 1969189.2/26

Left In: 1909.618+/-0.326 χ^2/NDF:1942286.8/22

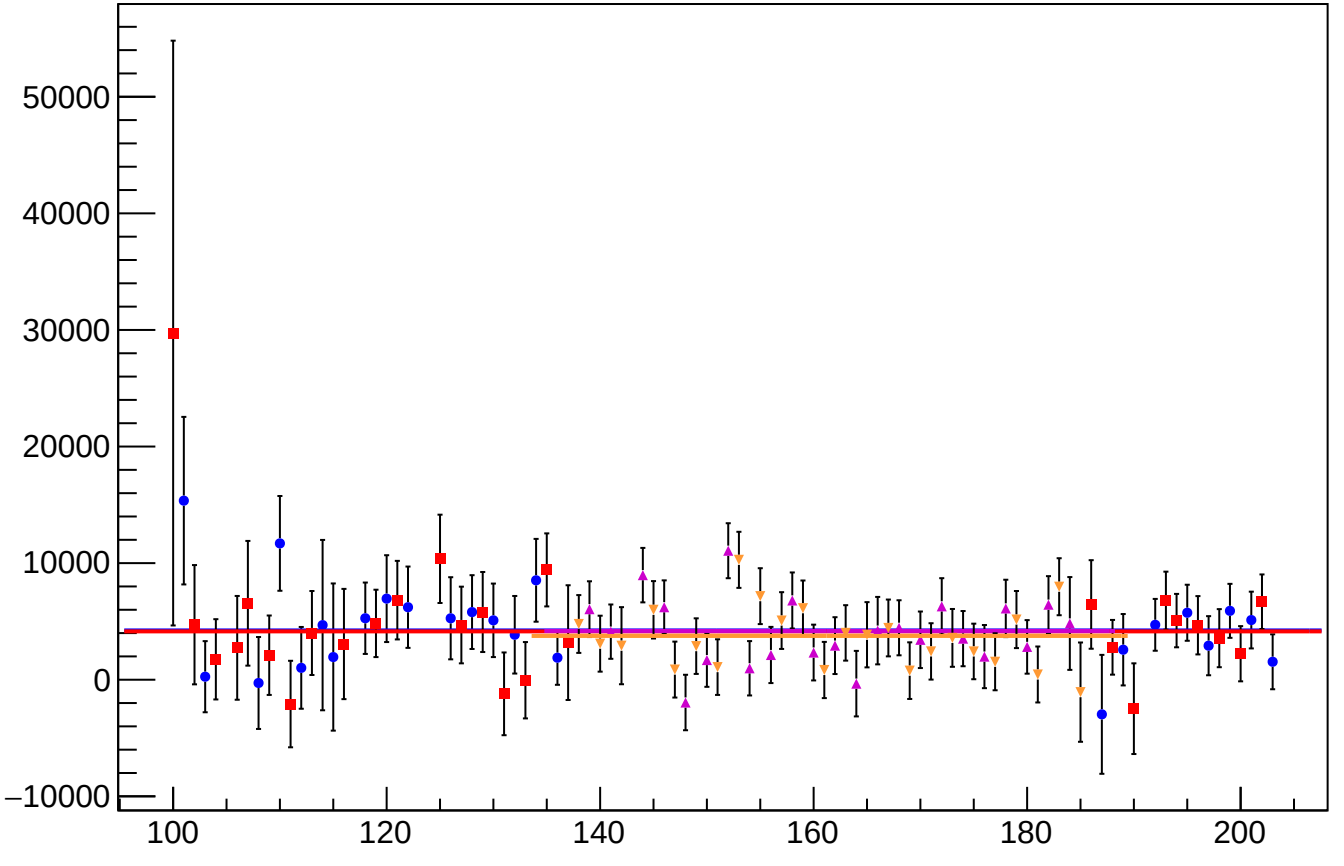
Left: 1918.605+/-0.231 χ^2/NDF: 3742222.0/46

Right: 1977.773+/-0.281 χ^2/NDF: 3541822.9/50

In: 1929.044+/-0.252 χ^2/NDF:3518625.5/46

Out: 1956.015+/-0.252 χ^2/NDF:3786225.9/50

All: 1942.484+/-0.178 χ^2/NDF: 7310577.1/97



Right In: 4227.406+/-634.313 χ^2/NDF: 18.6/23

Left Out: 3754.065+/-508.568 χ^2/NDF:25.7/23

Right Out: 4146.465+/-618.631 χ^2/NDF: 22.4/26

Left In: 4184.214+/-511.864 χ^2/NDF:32.7/22

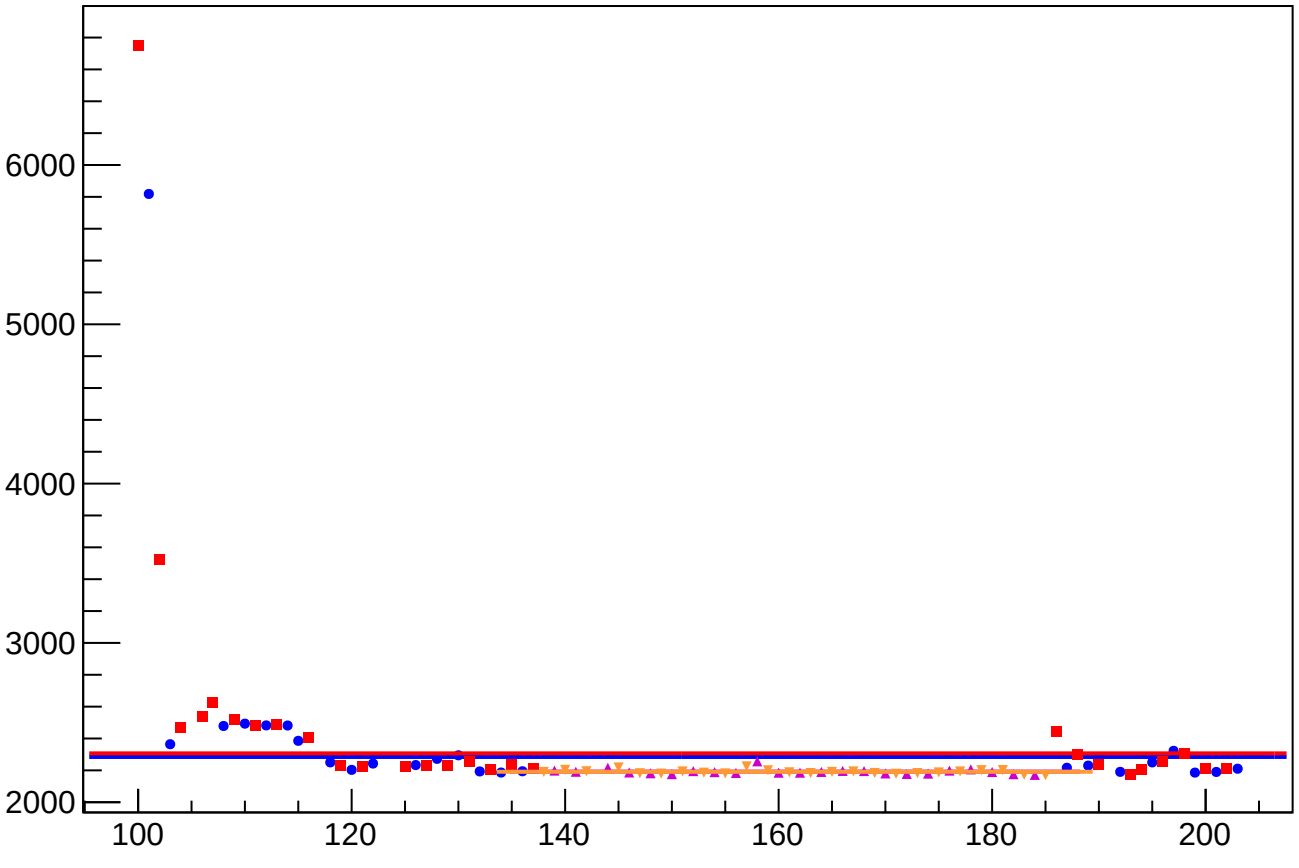
Left: 3967.750+/-360.772 χ^2/NDF: 58.7/46

Right: 4185.923+/-442.879 χ^2/NDF: 40.9/50

In: 4201.248+/-398.343 χ^2/NDF:51.2/46

Out: 3912.312+/-392.857 χ^2/NDF:48.3/50

All: 4054.777+/-279.711 χ^2/NDF: 99.8/97



Right In: 2284.179+/-0.449 χ^2/NDF: 525592.8/23

Left Out: 2191.147+/-0.360 χ^2/NDF:1228.9/23

Right Out: 2306.668+/-0.437 χ^2/NDF: 240034.2/26

Left In: 2192.201+/-0.362 χ^2/NDF:2281.8/22

Left: 2191.670+/-0.255 χ^2/NDF: 3515.0/46

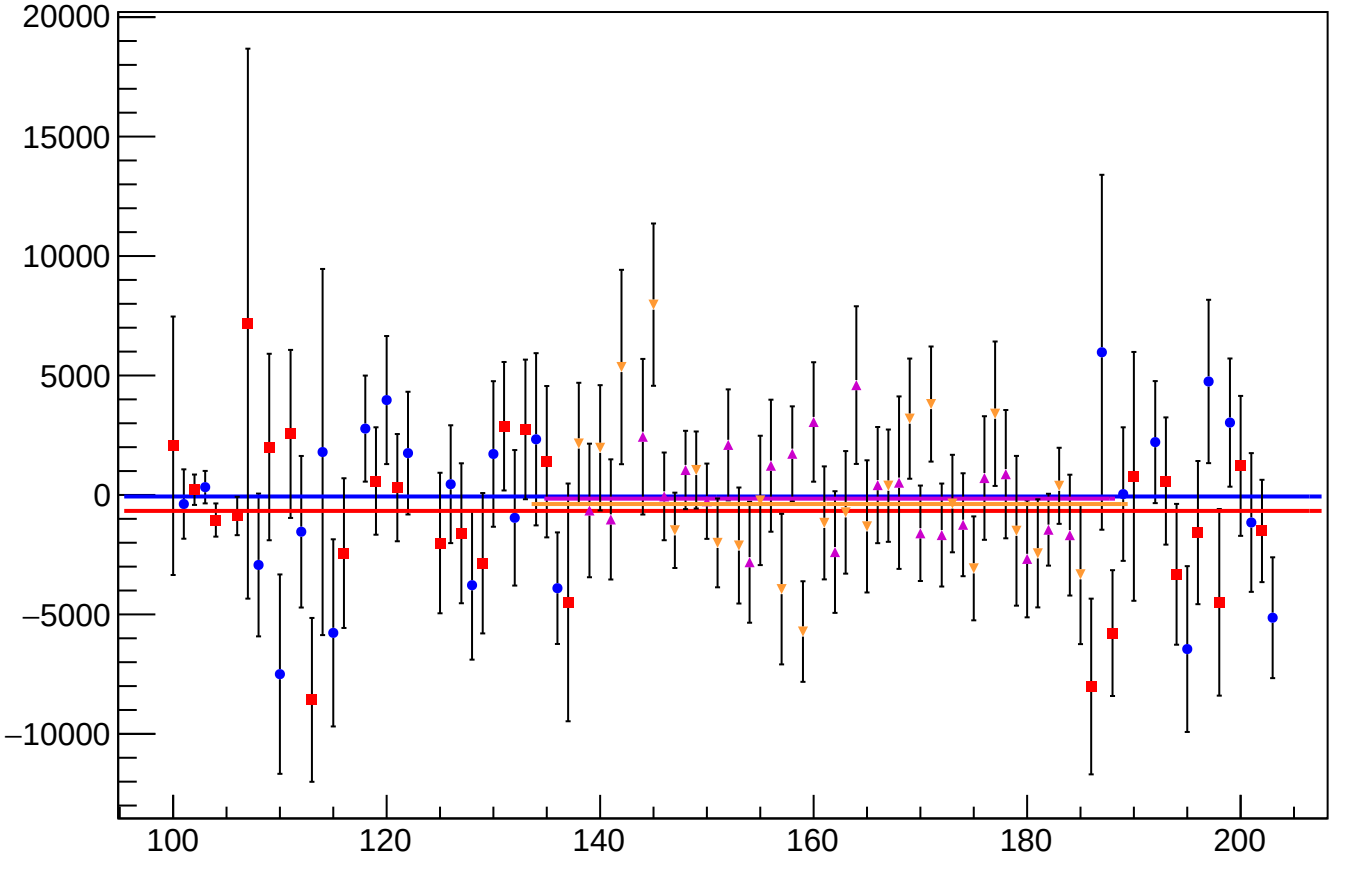
Right: 2295.705+/-0.313 χ^2/NDF: 766915.5/50

In: 2228.475+/-0.282 χ^2/NDF:553342.7/46

Out: 2237.734+/-0.278 χ^2/NDF:282879.6/50

All: 2233.169+/-0.198 χ^2/NDF: 836770.2/97

asym_us_avg_at1lr_avg_avg_dit_correction_mean vs Slug, Sign Corrected



Right In: -64.310+/-441.621 χ^2/NDF: 28.6/23

Left Out: -380.488+/-471.481 χ^2/NDF:30.8/23

Right Out: -668.040+/-340.406 χ^2/NDF: 26.0/26

Left In: -154.512+/-467.999 χ^2/NDF:12.8/22

Left: -266.662+/-332.150 χ^2/NDF: 43.7/46

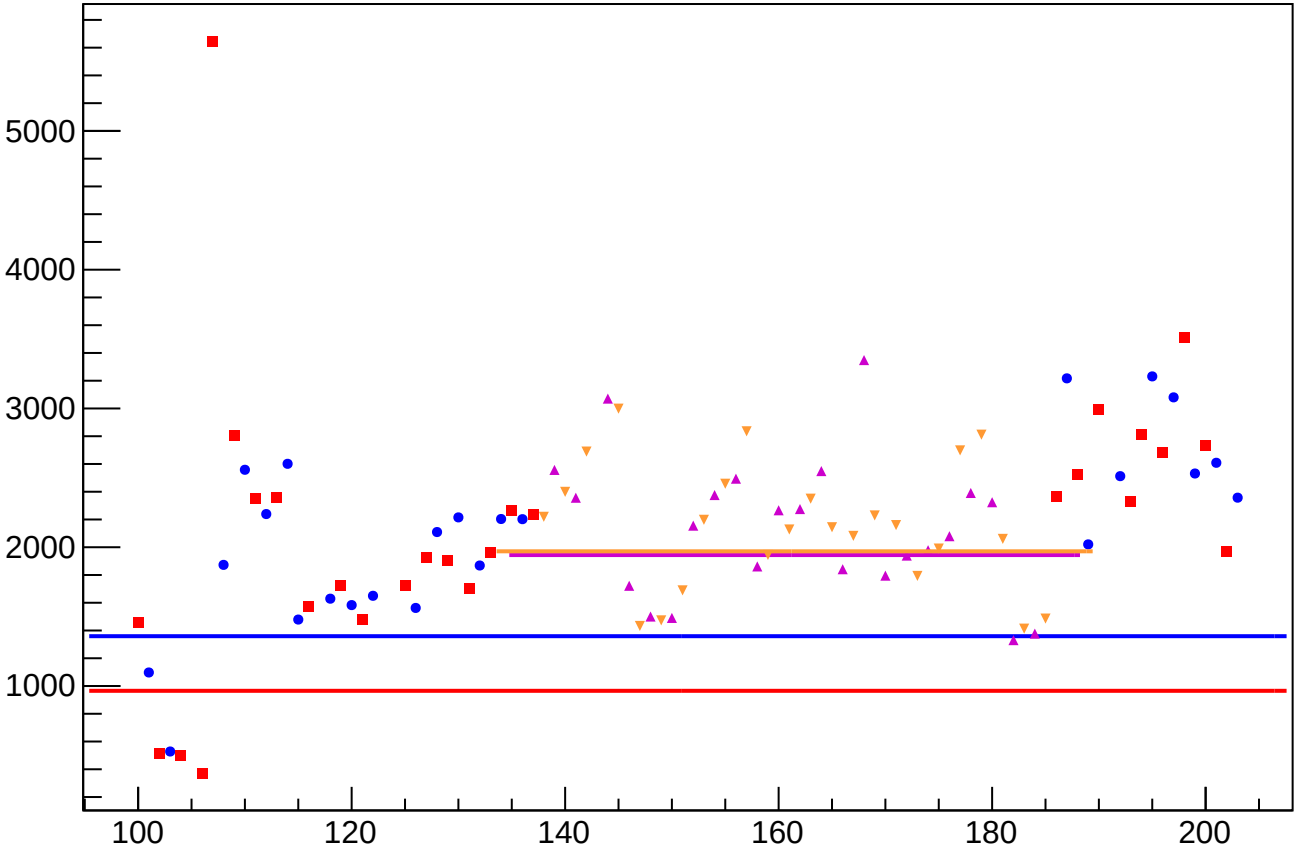
Right: -443.027+/-269.608 χ^2/NDF: 55.8/50

In: -106.797+/-321.194 χ^2/NDF:41.5/46

Out: -569.508+/-275.990 χ^2/NDF:57.0/50

All: -372.978+/-209.328 χ^2/NDF: 99.6/97

asym_us_avg_at1lr_avg_avg_dit_correction_rms vs Slug, Sign Corrected



Right In: 1359.010+/-0.312 χ^2/NDF: 7078782.0/23

Left Out: 1970.655+/-0.333 χ^2/NDF:1696659.6/23

Right Out: 965.426+/-0.241 χ^2/NDF: 11537834.6/26

Left In: 1943.628+/-0.331 χ^2/NDF:1882933.7/22

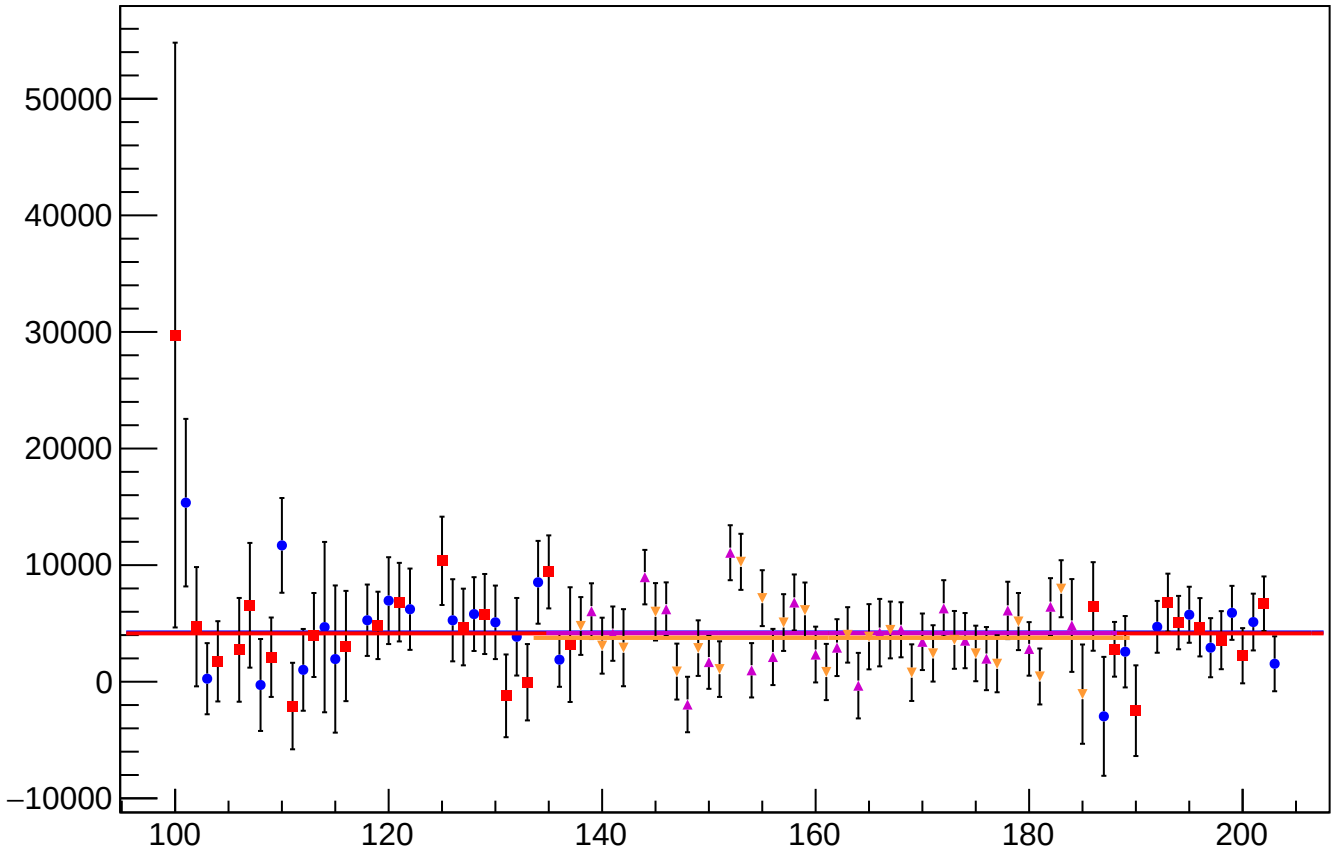
Left: 1957.041+/-0.235 χ^2/NDF: 3582903.8/46

Right: 1112.116+/-0.191 χ^2/NDF: 19613113.3/50

In: 1634.380+/-0.227 χ^2/NDF:10612608.7/46

Out: 1309.874+/-0.195 χ^2/NDF:19210693.7/50

All: 1447.703+/-0.148 χ^2/NDF: 30997680.6/9



Right In: 4227.403+/-634.313 χ^2/NDF: 18.6/23

Left Out: 3754.064+/-508.568 χ^2/NDF:25.7/23

Right Out: 4146.460+/-618.631 χ^2/NDF: 22.4/26

Left In: 4184.214+/-511.864 χ^2/NDF:32.7/22

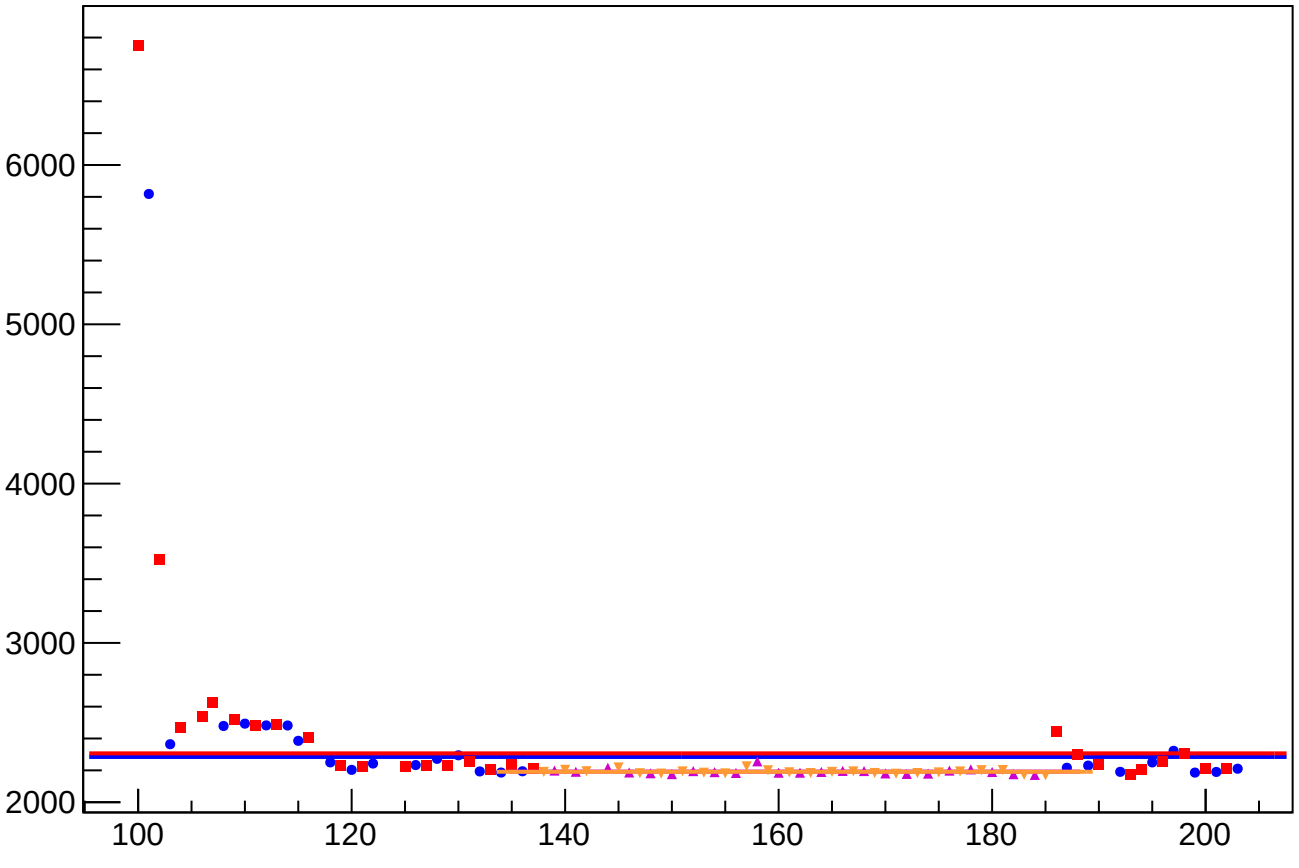
Left: 3967.750+/-360.772 χ^2/NDF: 58.7/46

Right: 4185.919+/-442.879 χ^2/NDF: 40.9/50

In: 4201.247+/-398.343 χ^2/NDF:51.2/46

Out: 3912.309+/-392.857 χ^2/NDF:48.3/50

All: 4054.775+/-279.711 χ^2/NDF: 99.8/97



Right In: 2284.179+/-0.449 χ^2/NDF: 525592.7/23

Left Out: 2191.147+/-0.360 χ^2/NDF:1228.9/23

Right Out: 2306.668+/-0.437 χ^2/NDF: 240033.0/26

Left In: 2192.201+/-0.362 χ^2/NDF:2281.8/22

Left: 2191.670+/-0.255 χ^2/NDF: 3515.0/46

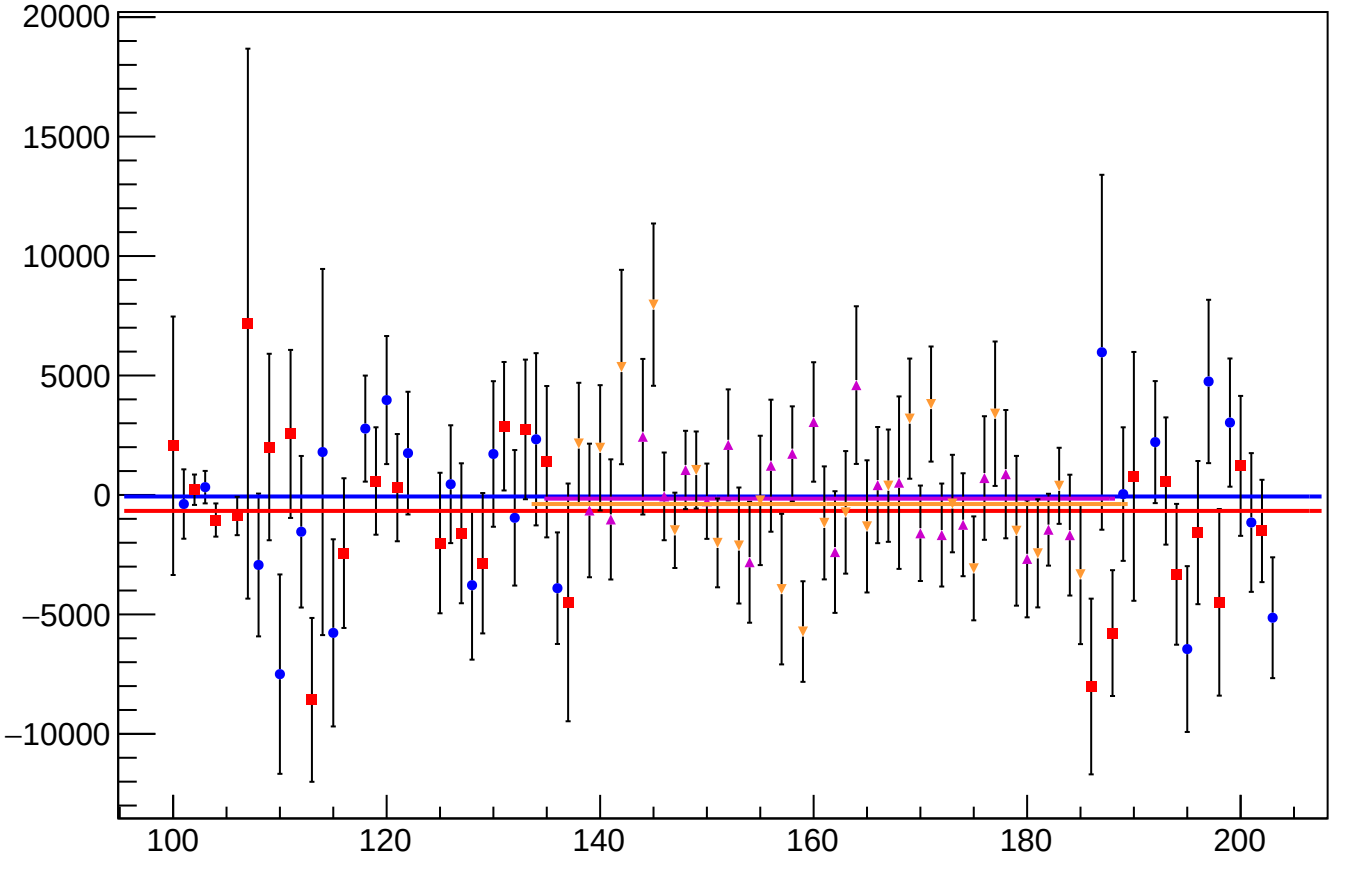
Right: 2295.705+/-0.313 χ^2/NDF: 766914.2/50

In: 2228.474+/-0.282 χ^2/NDF:553342.5/46

Out: 2237.734+/-0.278 χ^2/NDF:282878.2/50

All: 2233.168+/-0.198 χ^2/NDF: 836768.5/97

asym_us_avg_at1lr_avg_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -64.316+/-441.623 χ^2/NDF: 28.6/23

Left Out: -380.492+/-471.482 χ^2/NDF:30.8/23

Right Out: -668.048+/-340.410 χ^2/NDF: 26.0/26

Left In: -154.512+/-468.000 χ^2/NDF:12.8/22

Left: -266.664+/-332.150 χ^2/NDF: 43.7/46

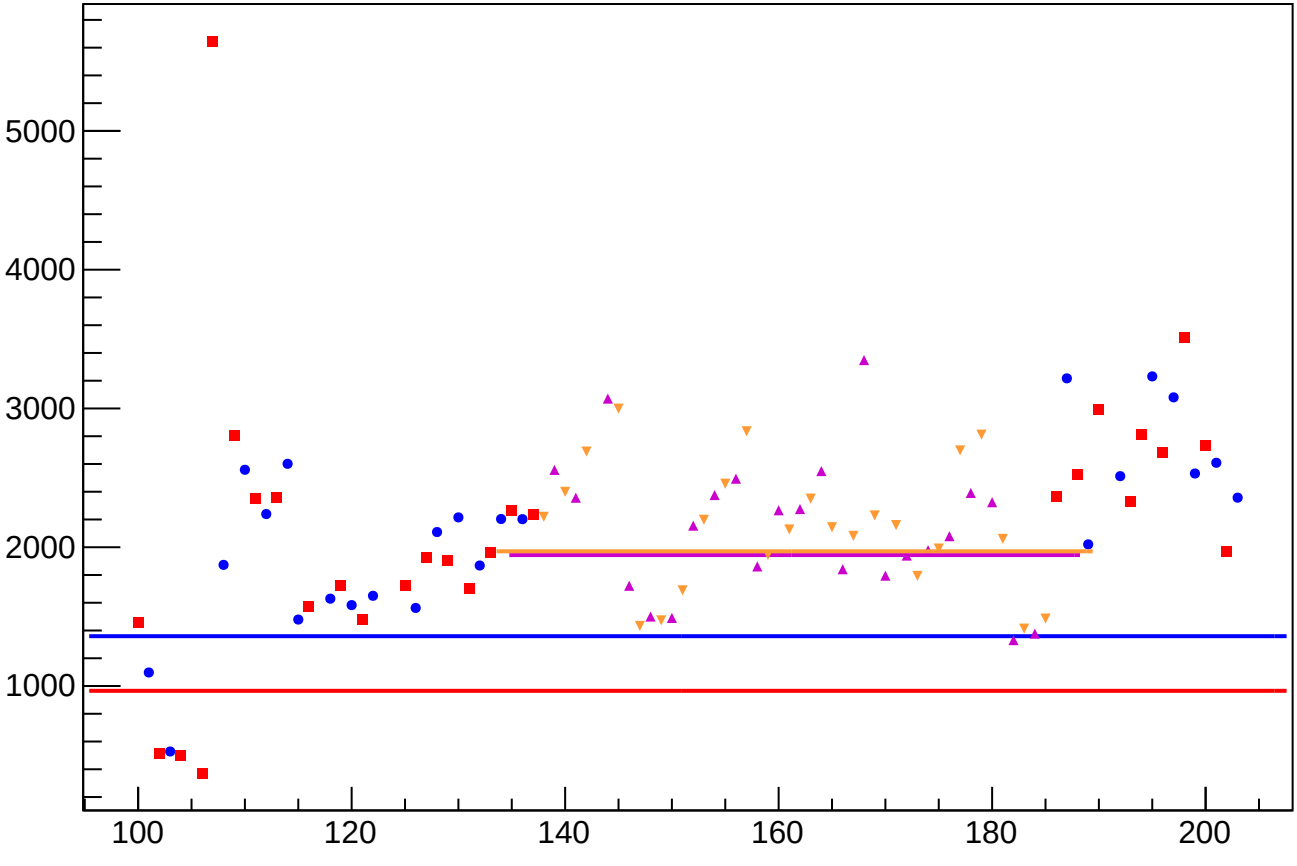
Right: -443.032+/-269.610 χ^2/NDF: 55.8/50

In: -106.801+/-321.195 χ^2/NDF:41.5/46

Out: -569.514+/-275.992 χ^2/NDF:57.0/50

All: -372.982+/-209.329 χ^2/NDF: 99.6/97

asym_us_avg_at1lr_avg_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 1359.020+/-0.312 χ^2/NDF: 7078667.5/23

Left Out: 1970.659+/-0.333 χ^2/NDF:1696658.8/23

Right Out: 965.444+/-0.241 χ^2/NDF: 11537610.5/26

Left In: 1943.631+/-0.331 χ^2/NDF:1882931.8/22

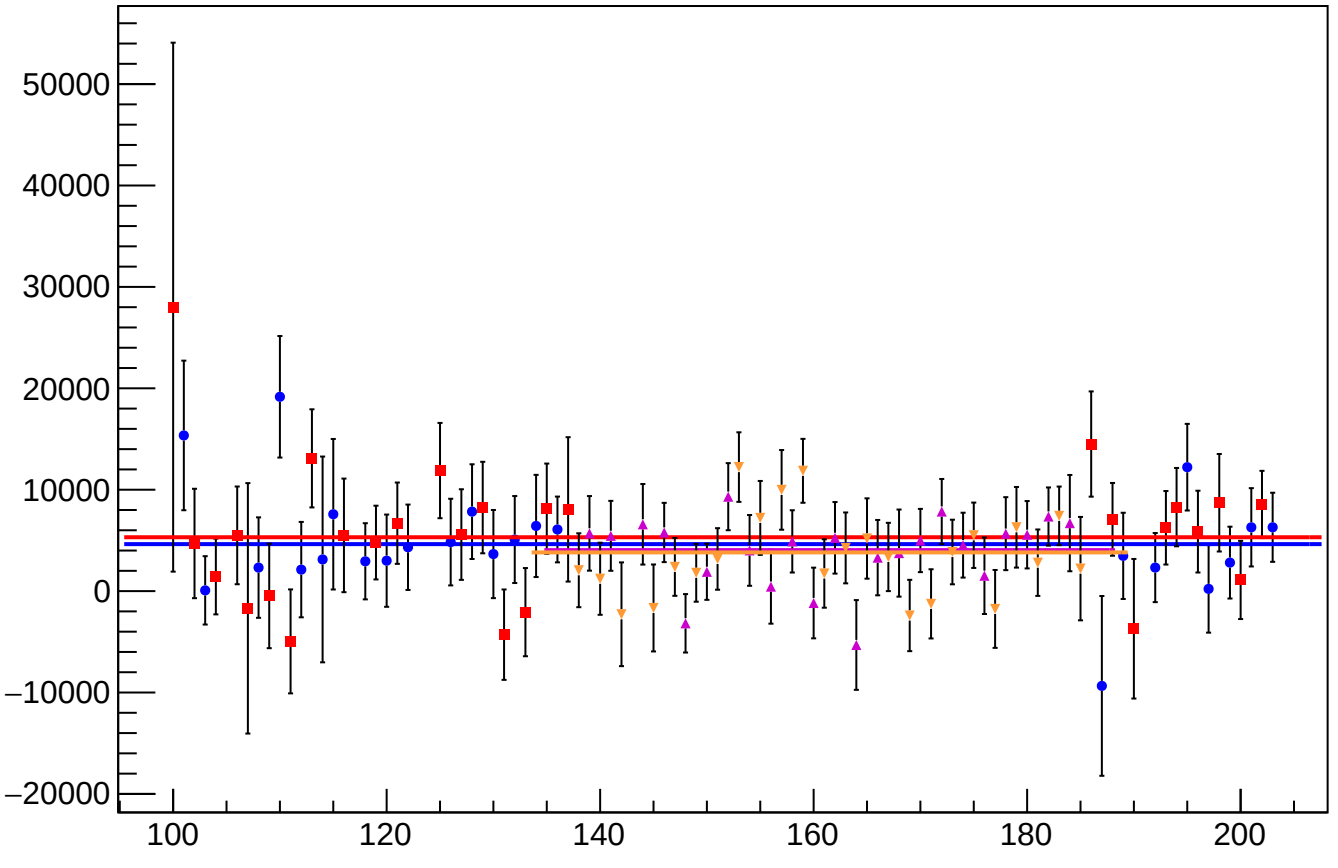
Left: 1957.045+/-0.235 χ^2/NDF: 3582901.0/46

Right: 1112.133+/-0.191 χ^2/NDF: 19612721.8/50

In: 1634.388+/-0.227 χ^2/NDF:10612443.7/46

Out: 1309.891+/-0.195 χ^2/NDF:19210235.8/50

All: 1447.717+/-0.148 χ^2/NDF: 30996976.1/9



Right In: 4633.738+/-890.307 χ^2/NDF: 19.6/23

Left Out: 3817.837+/-708.312 χ^2/NDF:30.9/23

Right Out: 5311.730+/-875.210 χ^2/NDF: 29.1/26

Left In: 4042.422+/-709.573 χ^2/NDF:22.5/22

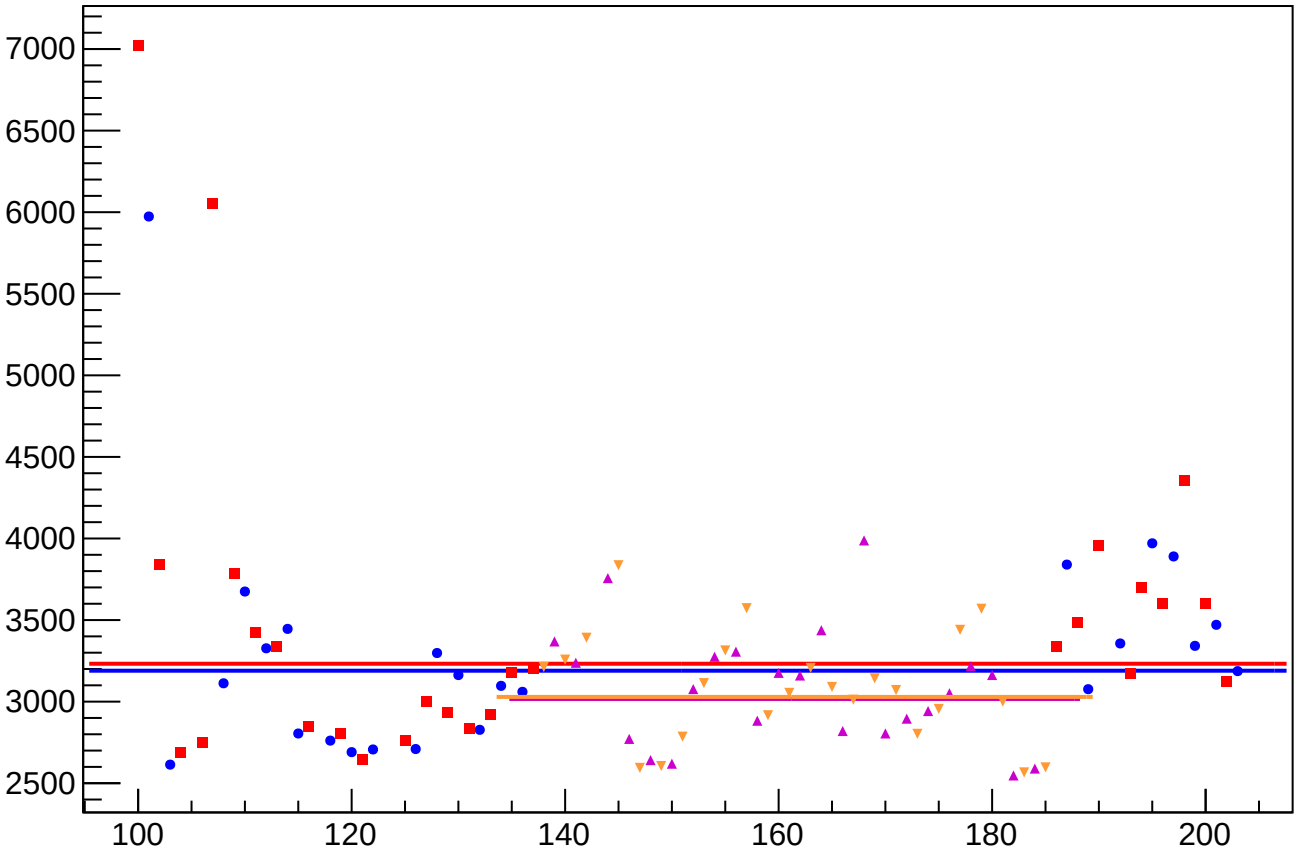
Left: 3929.930+/-501.297 χ^2/NDF: 53.4/46

Right: 4978.531+/-624.136 χ^2/NDF: 49.0/50

In: 4272.122+/-554.895 χ^2/NDF:42.4/46

Out: 4409.062+/-550.591 χ^2/NDF:61.7/50

All: 4341.125+/-390.839 χ^2/NDF: 104.1/97



Right In: 3189.595+/-0.630 χ^2/NDF: 636963.0/23

Left Out: 3028.983+/-0.501 χ^2/NDF:397111.2/23

Right Out: 3232.294+/-0.619 χ^2/NDF: 611771.8/26

Left In: 3016.252+/-0.502 χ^2/NDF:439897.8/22

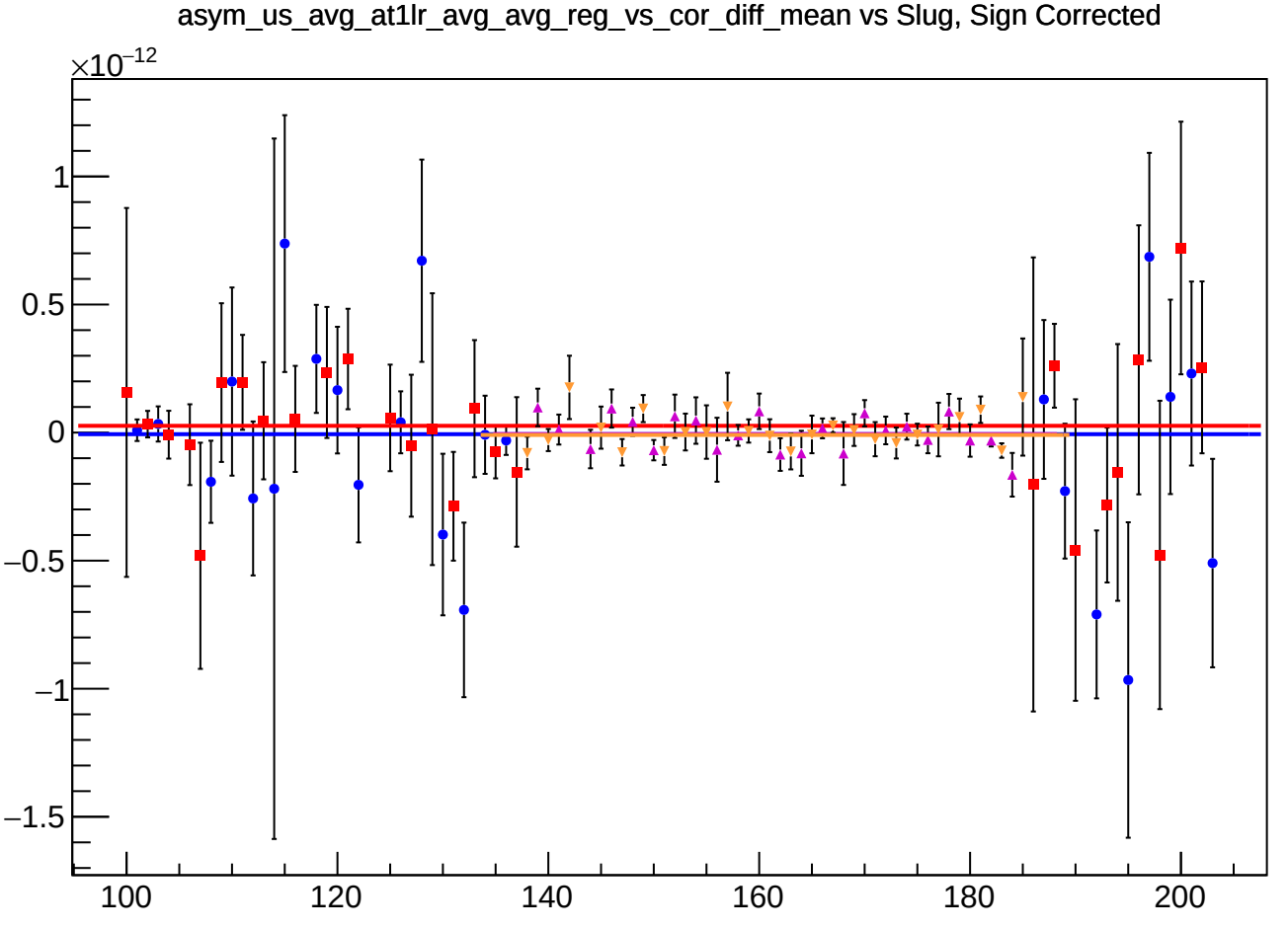
Left: 3022.629+/-0.354 χ^2/NDF: 837331.5/46

Right: 3211.310+/-0.441 χ^2/NDF: 1251074.4/50

In: 3083.588+/-0.392 χ^2/NDF:1123226.1/46

Out: 3109.446+/-0.389 χ^2/NDF:1074096.5/50

All: 3096.618+/-0.276 χ^2/NDF: 2199511.0/97



Right In: -0.000+/-0.000 χ^2/NDF: 30.1/23

Left Out: -0.000+/-0.000 χ^2/NDF:24.2/23

Right Out: 0.000+/-0.000 χ^2/NDF: 16.4/26

Left In: -0.000+/-0.000 χ^2/NDF:23.3/22

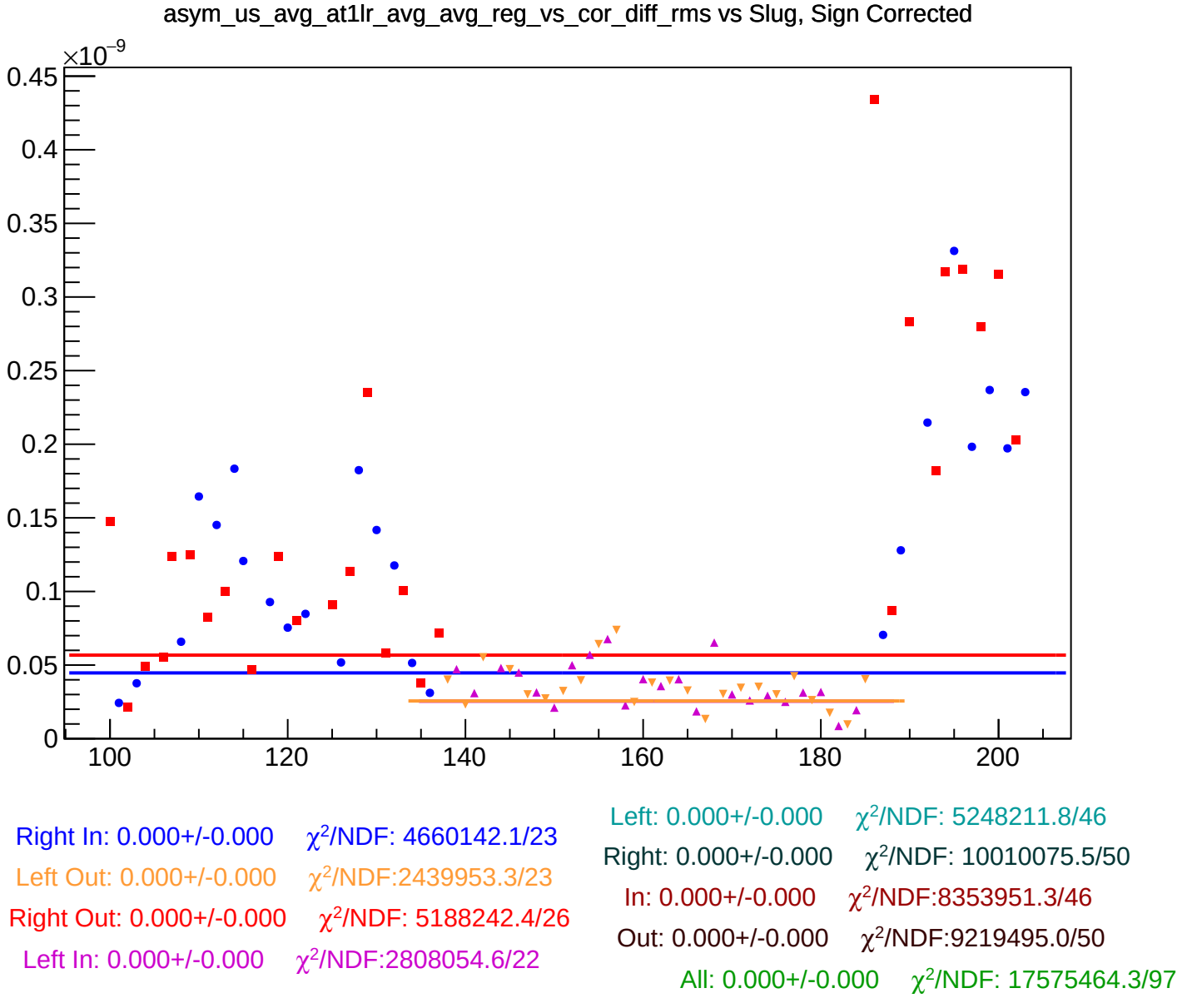
Left: -0.000+/-0.000 χ^2/NDF: 47.5/46

Right: 0.000+/-0.000 χ^2/NDF: 47.1/50

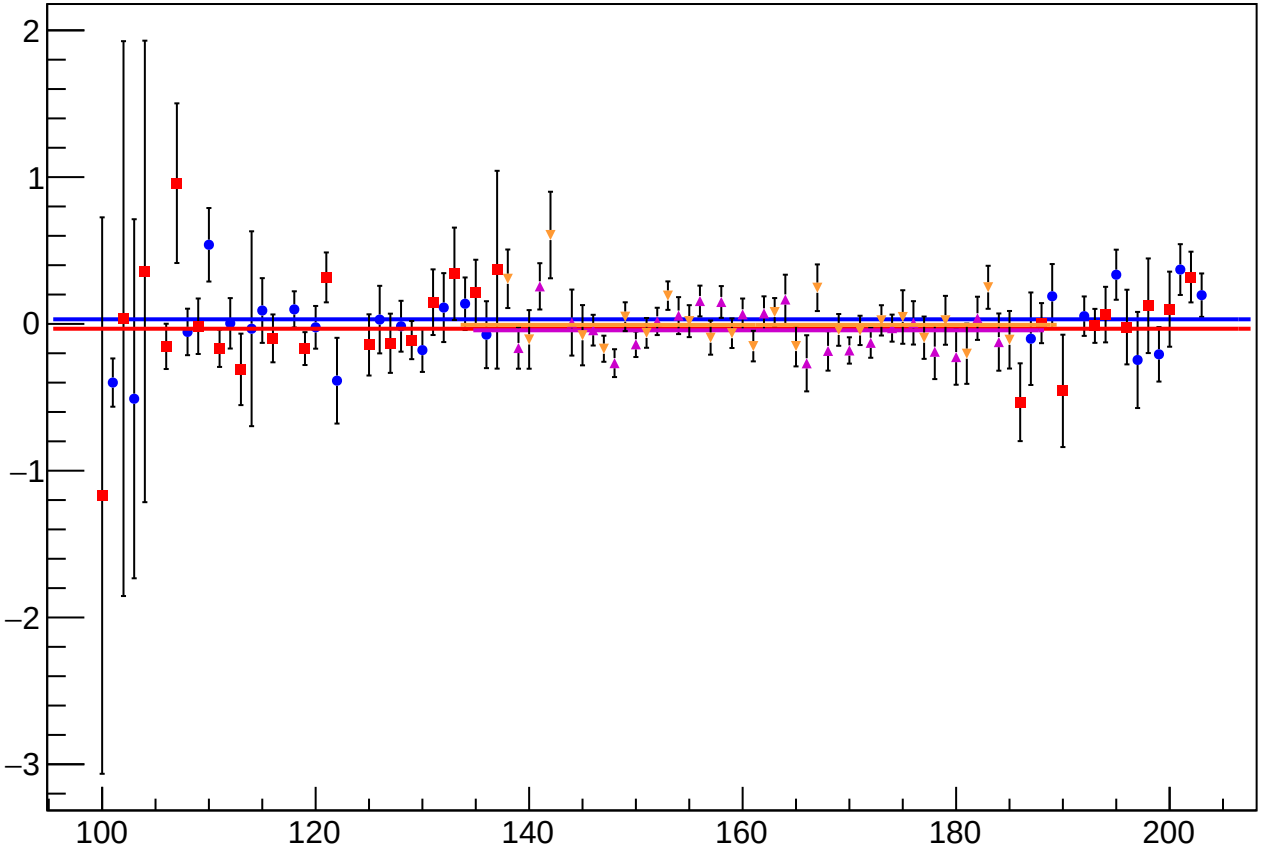
In: -0.000+/-0.000 χ^2/NDF:53.4/46

Out: -0.000+/-0.000 χ^2/NDF:41.6/50

All: -0.000+/-0.000 χ^2/NDF: 95.0/97


asym_us_avg_at1lr_avg_avg_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
0.45
0.4
0.35
0.3
0.25
0.2
0.15
0.1
0.05
0
100
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 4660142.1/23
Left Out: 0.000+/-0.000 χ²/NDF:2439953.3/23
Right Out: 0.000+/-0.000 χ²/NDF: 5188242.4/26
Left In: 0.000+/-0.000 χ²/NDF:2808054.6/22
Left: 0.000+/-0.000 χ²/NDF: 5248211.8/46
Right: 0.000+/-0.000 χ²/NDF: 10010075.5/50
In: 0.000+/-0.000 χ²/NDF:8353951.3/46
Out: 0.000+/-0.000 χ²/NDF:9219495.0/50
All: 0.000+/-0.000 χ²/NDF: 17575464.3/97

asym_us_avg_at1lr_avg_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.031+/-0.038 χ^2/NDF: 28.1/23

Left Out: -0.007+/-0.025 χ^2/NDF:27.7/23

Right Out: -0.033+/-0.037 χ^2/NDF: 27.0/26

Left In: -0.044+/-0.025 χ^2/NDF:30.3/22

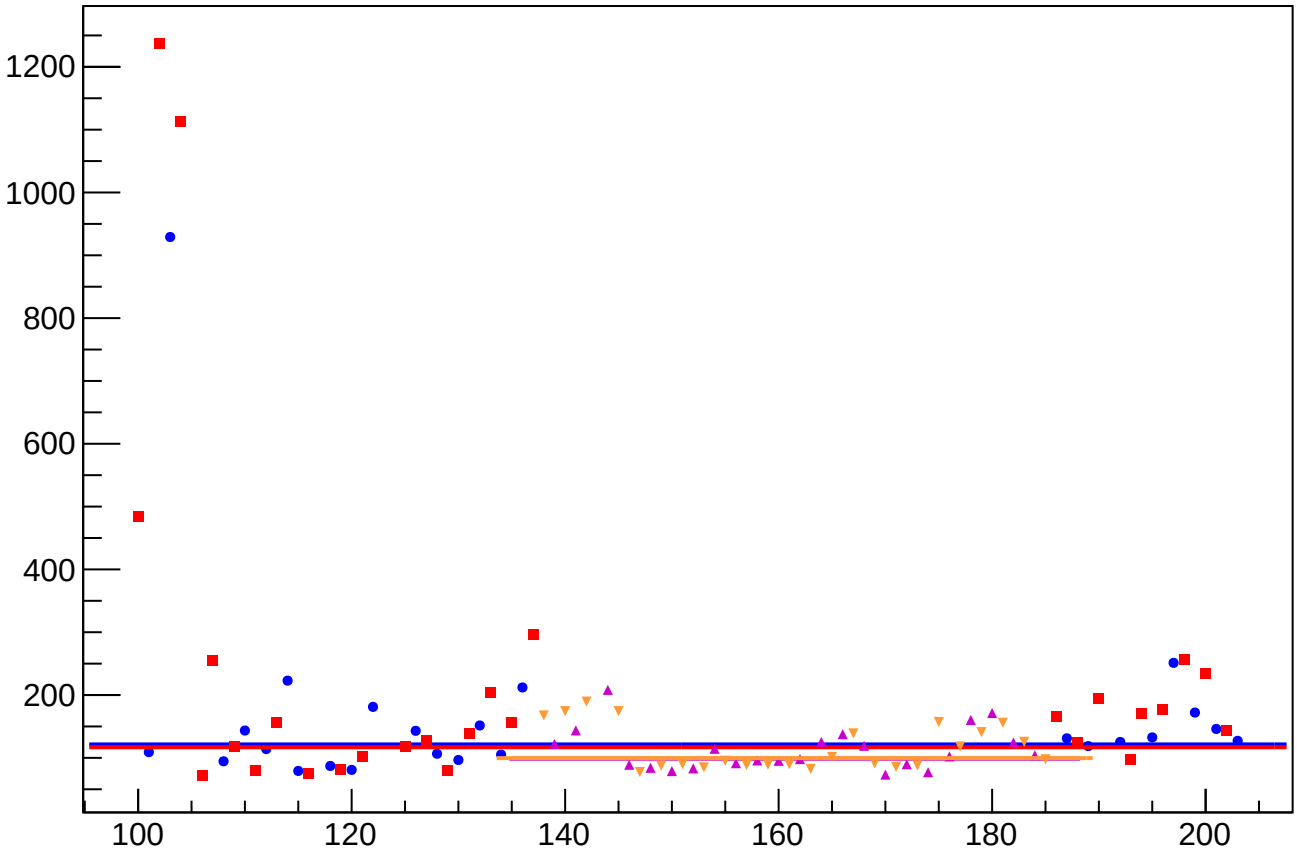
Left: -0.025+/-0.018 χ^2/NDF: 59.0/46

Right: -0.002+/-0.027 χ^2/NDF: 56.5/50

In: -0.021+/-0.021 χ^2/NDF:61.1/46

Out: -0.015+/-0.021 χ^2/NDF:55.0/50

All: -0.018+/-0.015 χ^2/NDF: 116.1/97



Right In: 121.408+/-0.027 χ^2/NDF: 2447182.5/23

Left Out: 99.590+/-0.018 χ^2/NDF:2070986.6/23

Right Out: 116.870+/-0.026 χ^2/NDF: 4342434.4/26

Left In: 98.669+/-0.018 χ^2/NDF:2003365.1/22

Left: 99.125+/-0.013 χ^2/NDF: 4075687.1/46

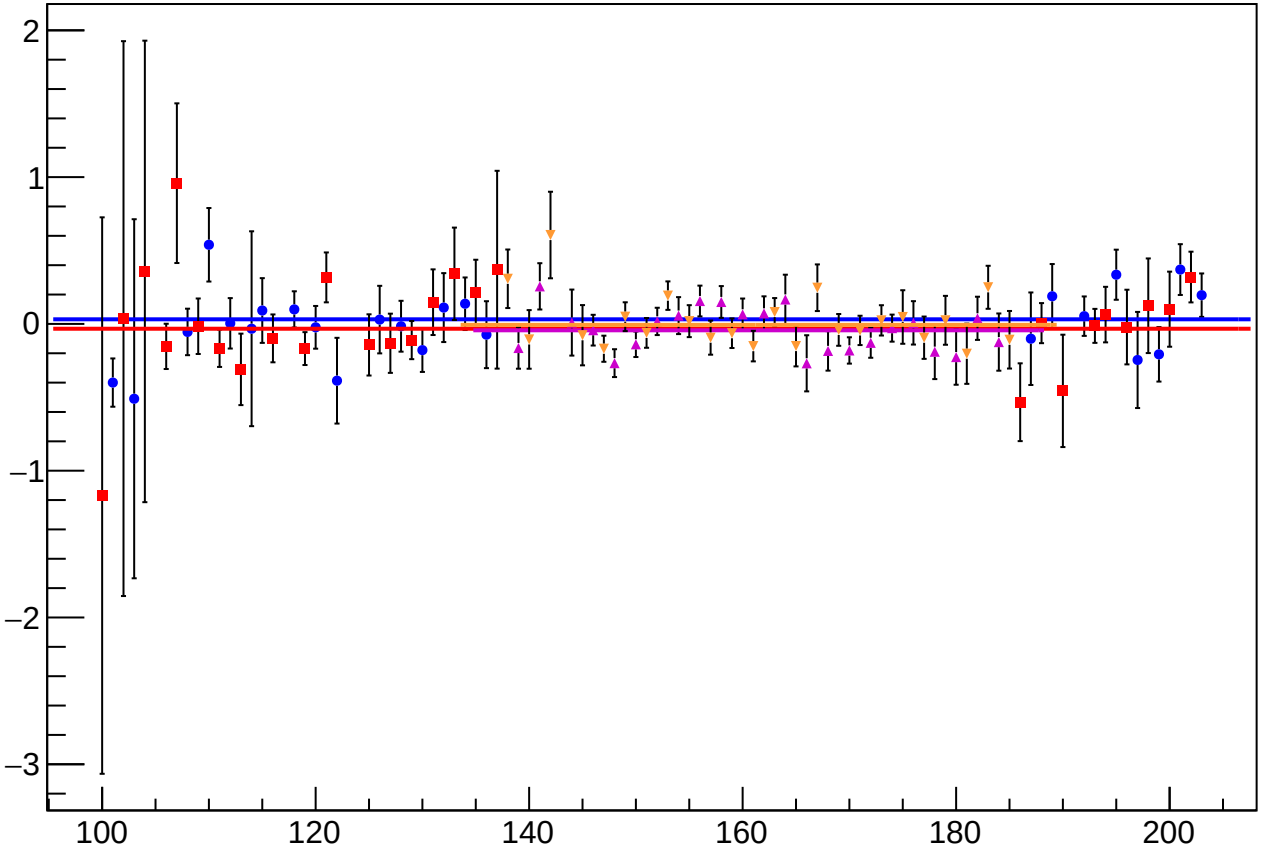
Right: 119.079+/-0.019 χ^2/NDF: 6803962.4/50

In: 105.466+/-0.015 χ^2/NDF:4942747.9/46

Out: 105.025+/-0.015 χ^2/NDF:6706400.7/50

All: 105.245+/-0.010 χ^2/NDF: 11649592.2/97

asym_us_avg_at1lr_avg_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.031+/-0.038 χ^2/NDF: 28.1/23

Left Out: -0.007+/-0.025 χ^2/NDF:27.7/23

Right Out: -0.033+/-0.037 χ^2/NDF: 27.0/26

Left In: -0.044+/-0.025 χ^2/NDF:30.3/22

Left: -0.025+/-0.018 χ^2/NDF: 59.0/46

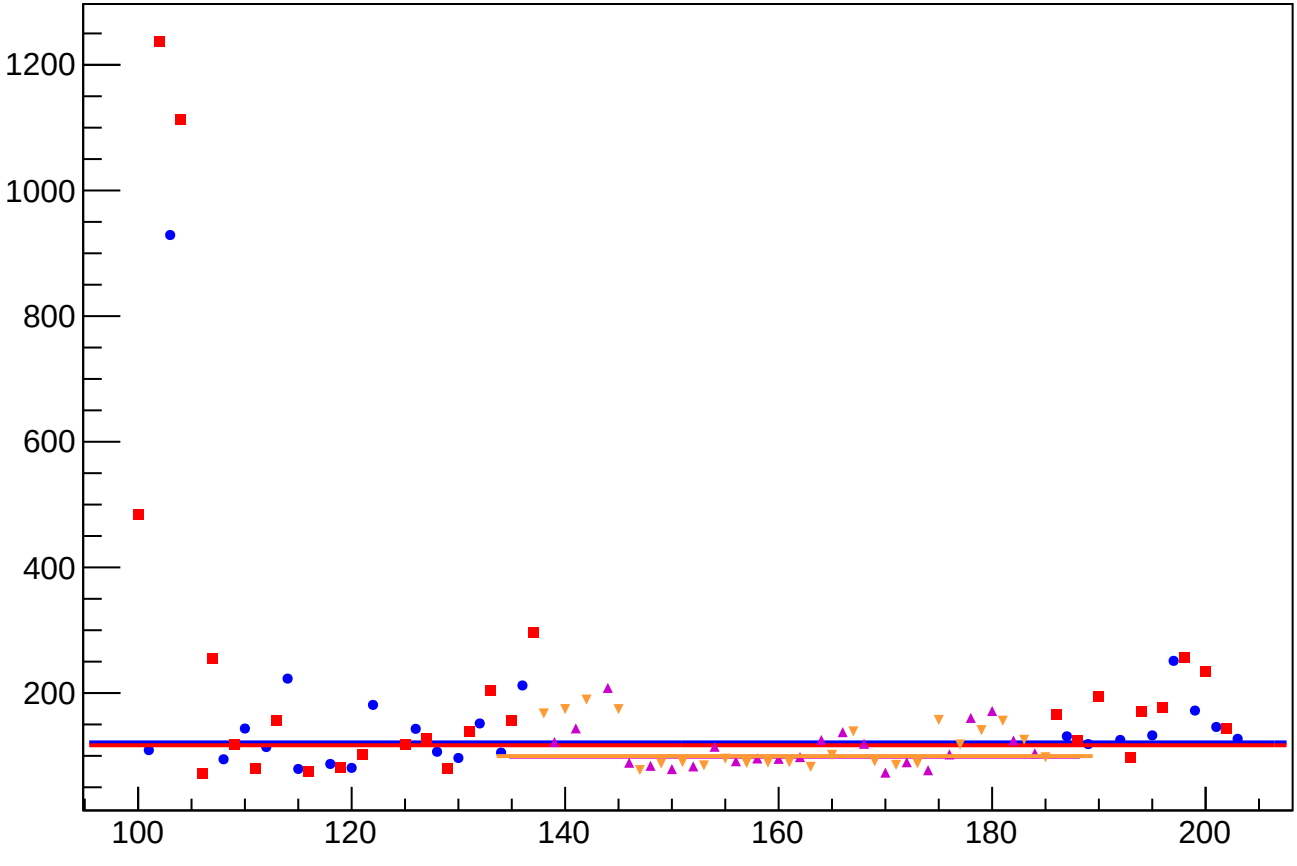
Right: -0.002+/-0.027 χ^2/NDF: 56.5/50

In: -0.021+/-0.021 χ^2/NDF:61.1/46

Out: -0.015+/-0.021 χ^2/NDF:55.0/50

All: -0.018+/-0.015 χ^2/NDF: 116.1/97

asym_us_avg_at1lr_avg_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 121.408+/-0.027 χ^2/NDF: 2447182.5/23

Left Out: 99.590+/-0.018 χ^2/NDF:2070986.6/23

Right Out: 116.870+/-0.026 χ^2/NDF: 4342434.4/26

Left In: 98.669+/-0.018 χ^2/NDF:2003365.1/22

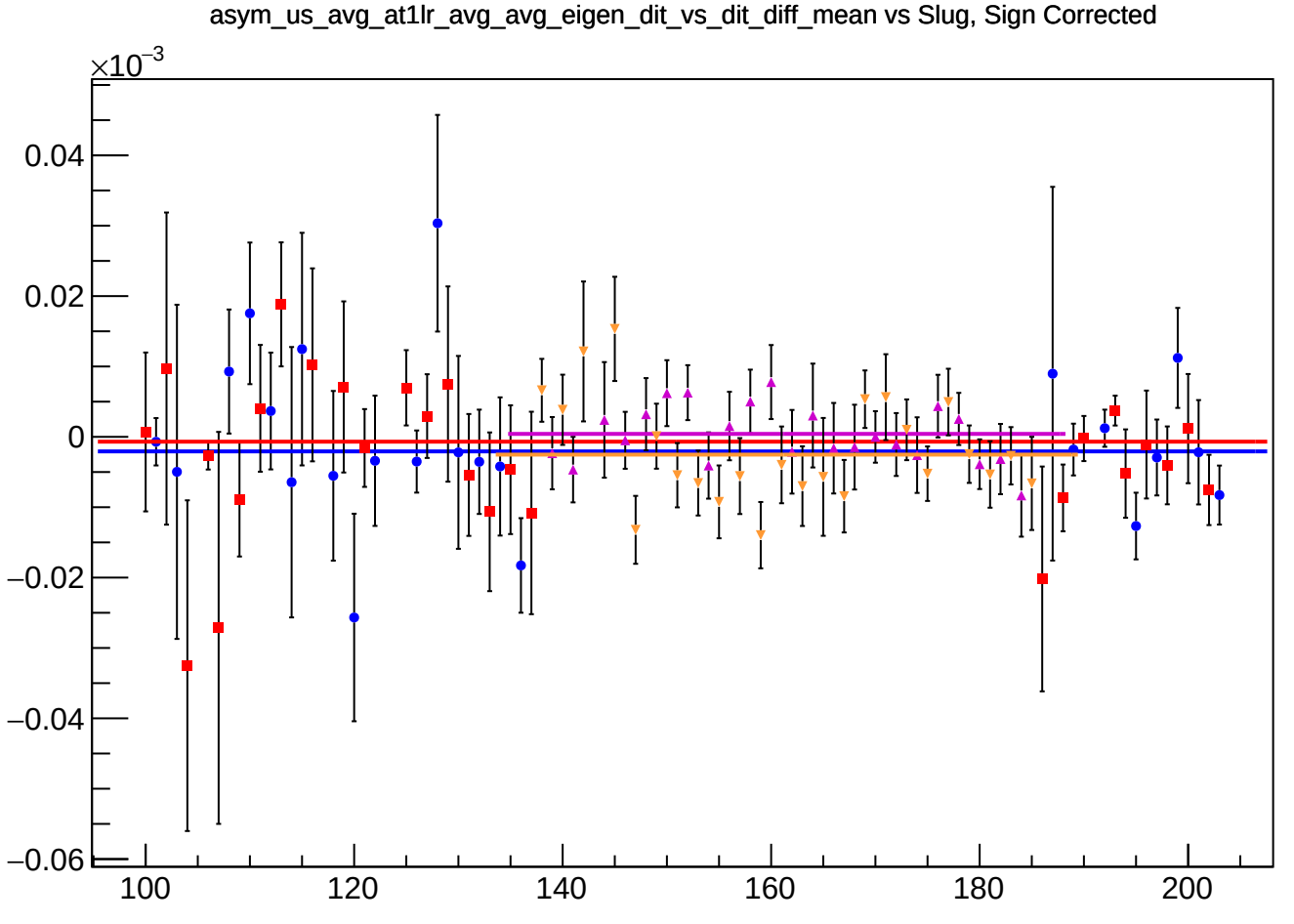
Left: 99.125+/-0.013 χ^2/NDF: 4075687.1/46

Right: 119.079+/-0.019 χ^2/NDF: 6803962.4/50

In: 105.466+/-0.015 χ^2/NDF:4942747.9/46

Out: 105.025+/-0.015 χ^2/NDF:6706400.7/50

All: 105.245+/-0.010 χ^2/NDF: 11649592.2/97



Right In: -0.000+/-0.000 χ^2/NDF: 32.5/23

Left Out: -0.000+/-0.000 χ^2/NDF:40.2/23

Right Out: -0.000+/-0.000 χ^2/NDF: 27.3/26

Left In: 0.000+/-0.000 χ^2/NDF:15.9/22

Left: -0.000+/-0.000 χ^2/NDF: 60.4/46

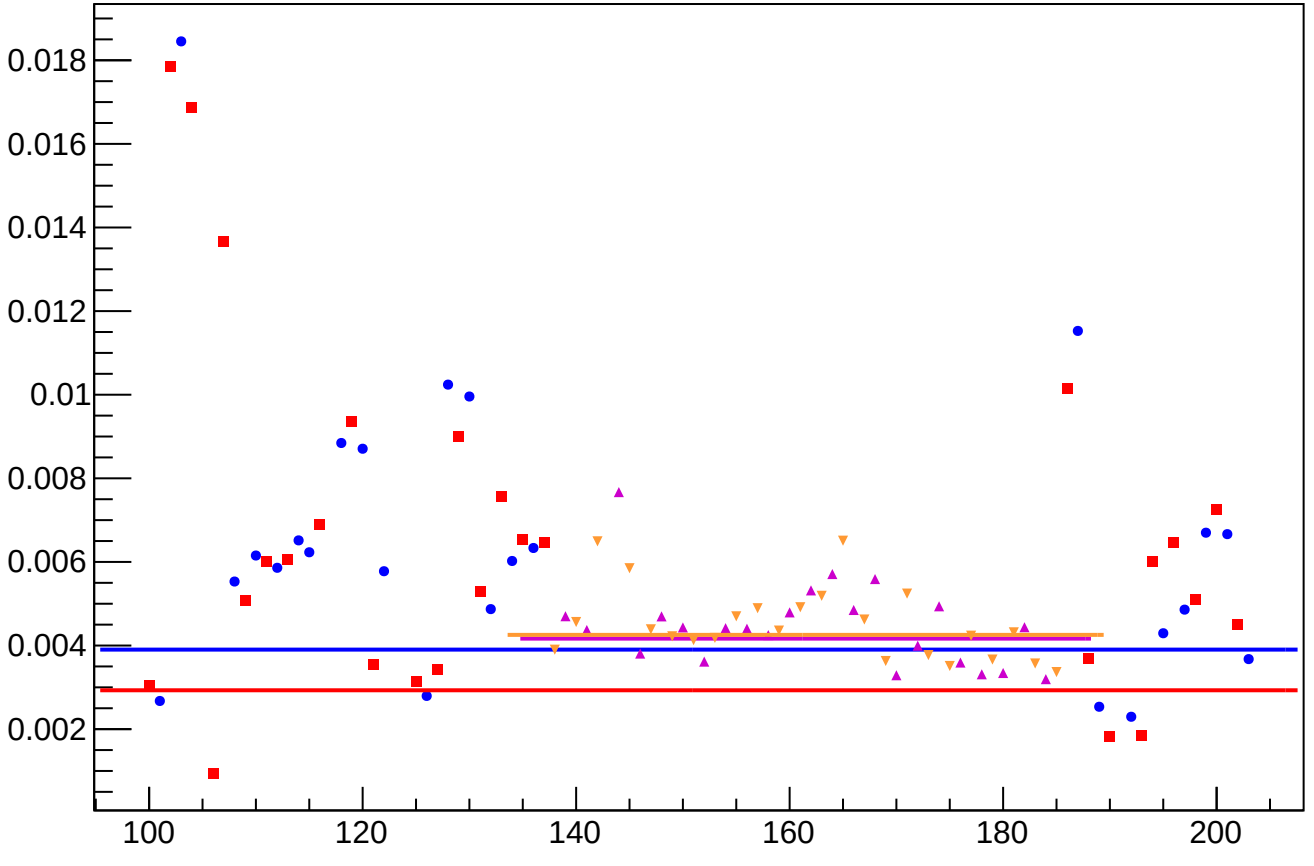
Right: -0.000+/-0.000 χ^2/NDF: 60.6/50

In: -0.000+/-0.000 χ^2/NDF:50.9/46

Out: -0.000+/-0.000 χ^2/NDF:69.1/50

All: -0.000+/-0.000 χ^2/NDF: 121.0/97

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: 5102267.3/23

Left Out: 0.004+/-0.000 χ^2/NDF:833222.5/23

Right Out: 0.003+/-0.000 χ^2/NDF: 9860077.8/26

Left In: 0.004+/-0.000 χ^2/NDF:1277434.2/22

Left: 0.004+/-0.000 χ^2/NDF: 2118625.9/46

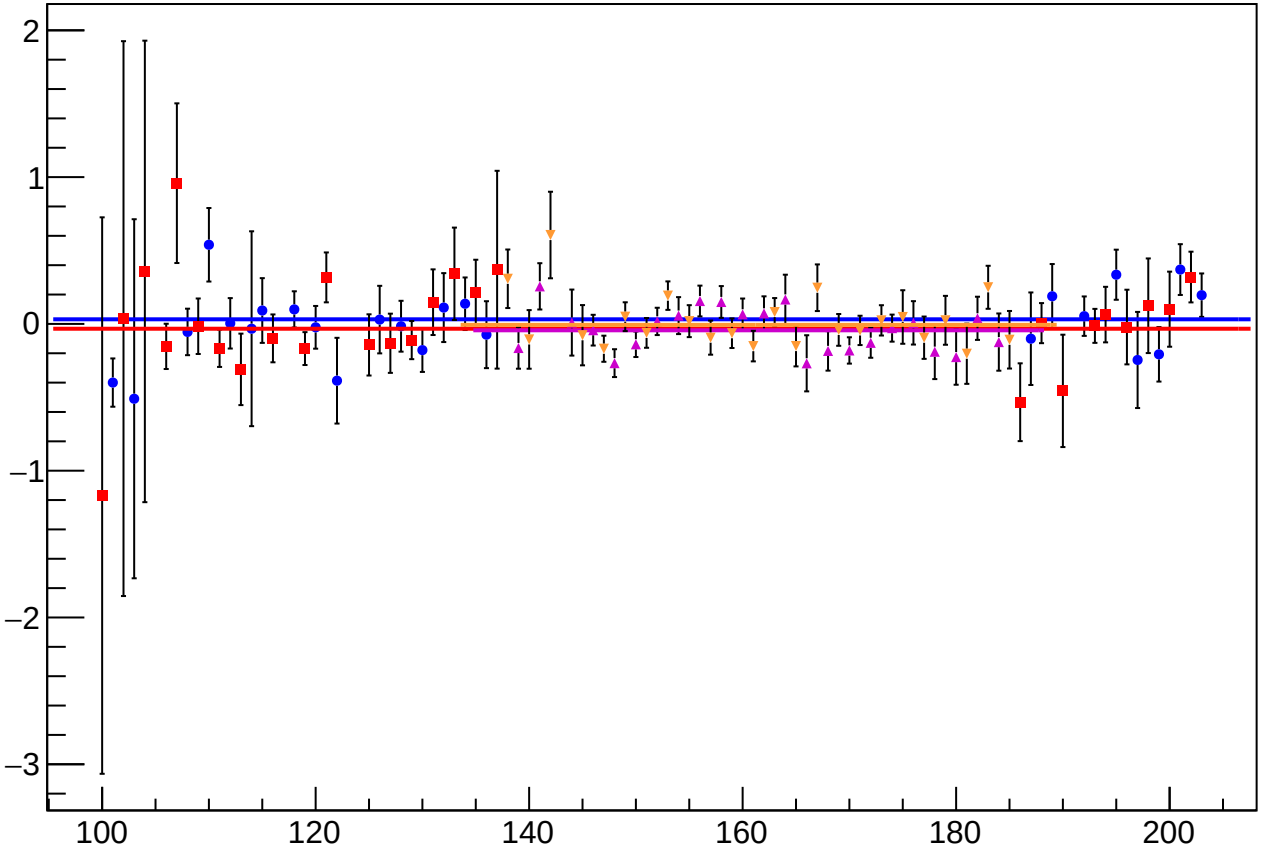
Right: 0.003+/-0.000 χ^2/NDF: 15702921.3/50

In: 0.004+/-0.000 χ^2/NDF:6434971.4/46

Out: 0.004+/-0.000 χ^2/NDF:12391877.6/50

All: 0.004+/-0.000 χ^2/NDF: 19211186.4/97

asym_us_avg_at1lr_avg_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.031+/-0.038 χ^2/NDF: 28.1/23

Left Out: -0.007+/-0.025 χ^2/NDF:27.7/23

Right Out: -0.033+/-0.037 χ^2/NDF: 27.0/26

Left In: -0.044+/-0.025 χ^2/NDF:30.3/22

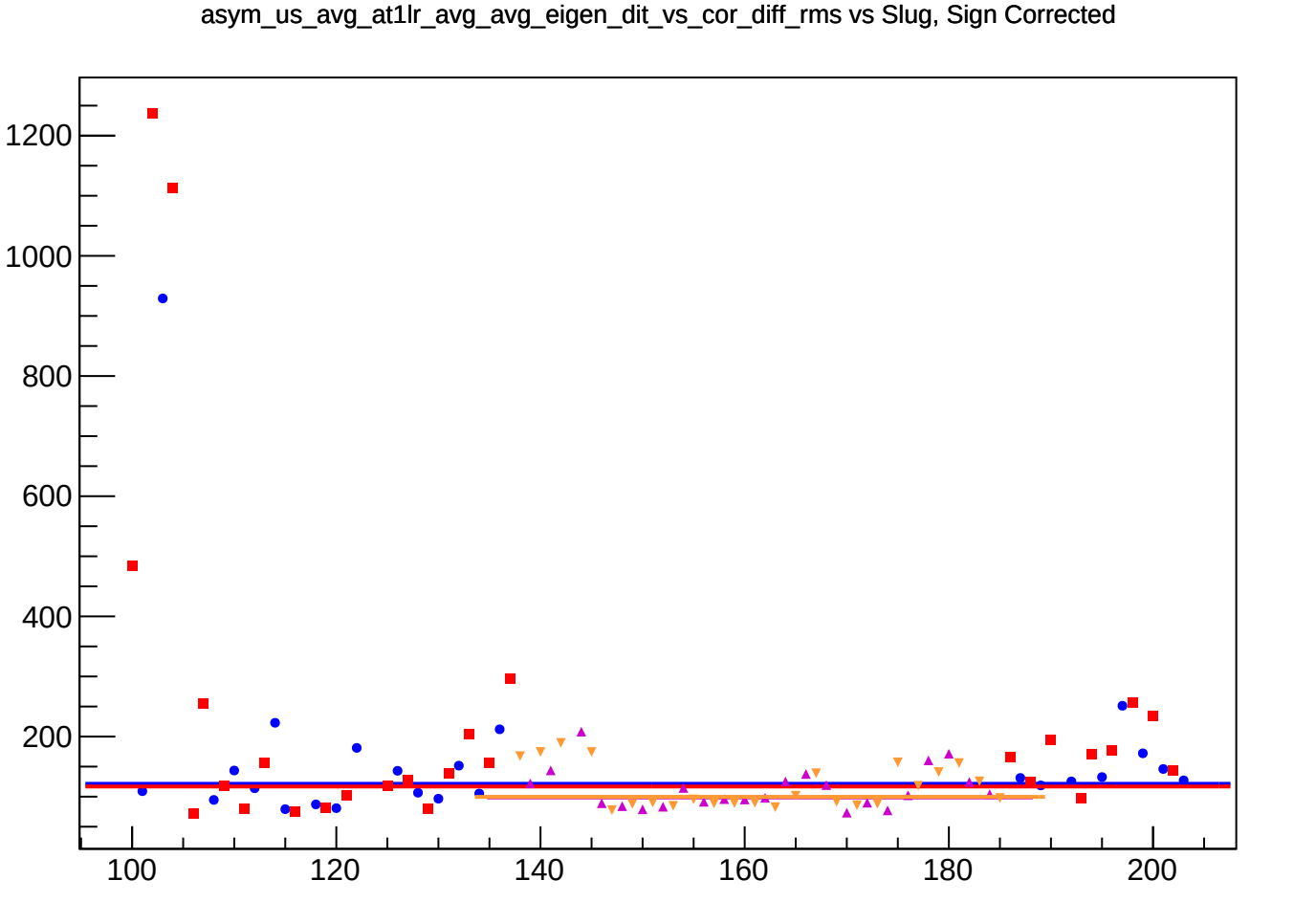
Left: -0.025+/-0.018 χ^2/NDF: 59.0/46

Right: -0.002+/-0.027 χ^2/NDF: 56.5/50

In: -0.021+/-0.021 χ^2/NDF:61.1/46

Out: -0.015+/-0.021 χ^2/NDF:55.0/50

All: -0.018+/-0.015 χ^2/NDF: 116.1/97



Right In: 121.406+/-0.027 χ^2/NDF: 2447277.1/23

Left Out: 99.590+/-0.018 χ^2/NDF:2070951.9/23

Right Out: 116.869+/-0.026 χ^2/NDF: 4342456.0/26

Left In: 98.669+/-0.018 χ^2/NDF:2003332.7/22

Left: 99.125+/-0.013 χ^2/NDF: 4075620.9/46

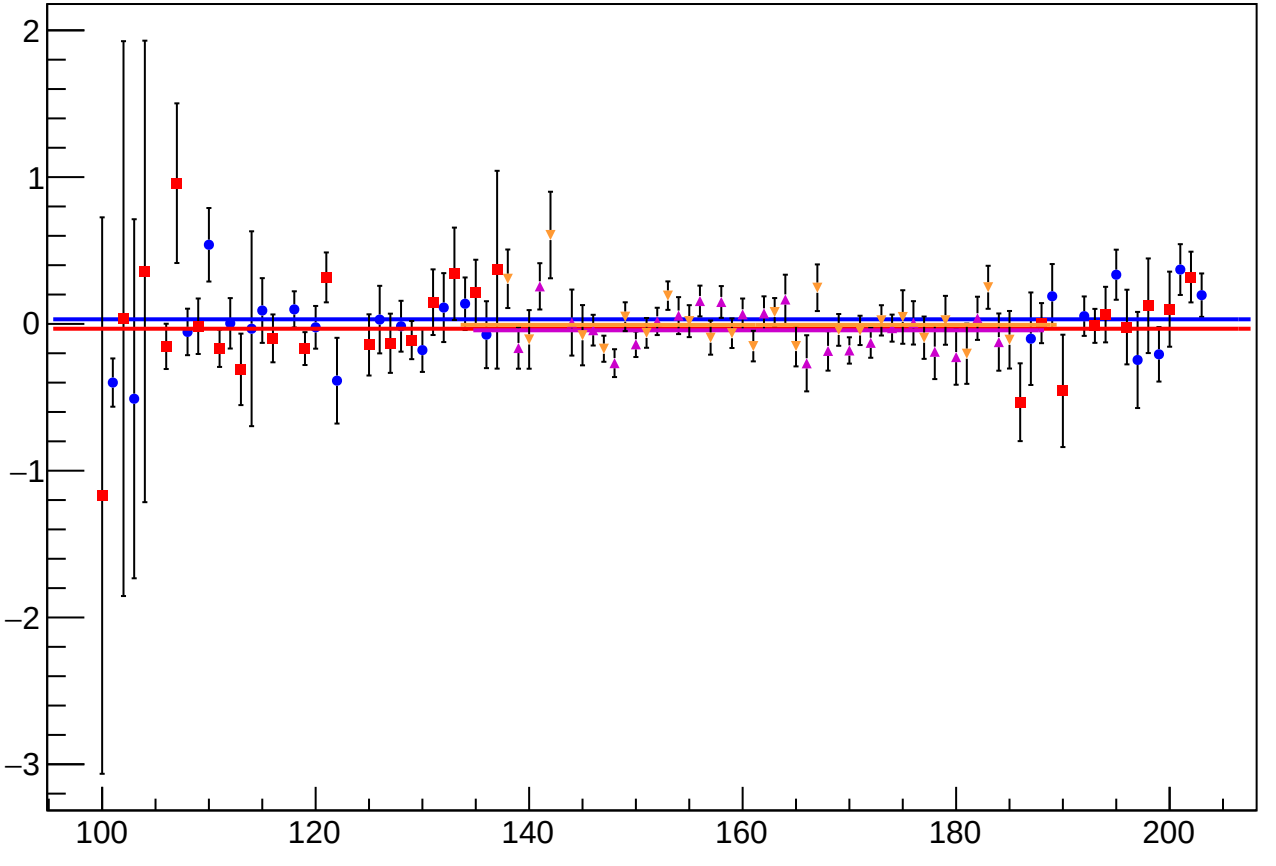
Right: 119.078+/-0.019 χ^2/NDF: 6804074.7/50

In: 105.466+/-0.015 χ^2/NDF:4942720.5/46

Out: 105.025+/-0.015 χ^2/NDF:6706326.4/50

All: 105.245+/-0.010 χ^2/NDF: 11649489.8/97

asym_us_avg_at1lr_avg_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.031+/-0.038 χ^2/NDF: 28.1/23

Left Out: -0.007+/-0.025 χ^2/NDF:27.7/23

Right Out: -0.033+/-0.037 χ^2/NDF: 27.0/26

Left In: -0.044+/-0.025 χ^2/NDF:30.3/22

Left: -0.025+/-0.018 χ^2/NDF: 59.0/46

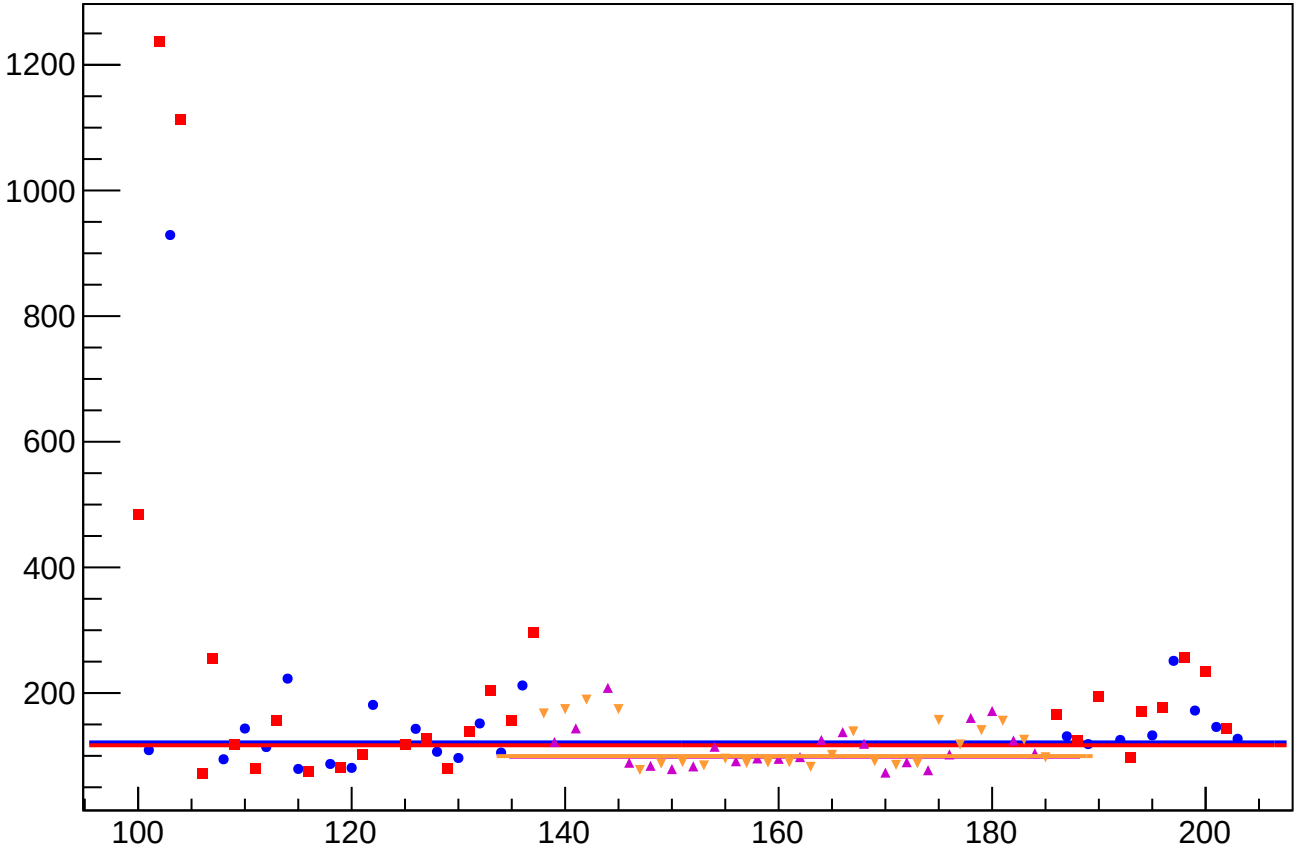
Right: -0.002+/-0.027 χ^2/NDF: 56.5/50

In: -0.021+/-0.021 χ^2/NDF:61.1/46

Out: -0.015+/-0.021 χ^2/NDF:55.0/50

All: -0.018+/-0.015 χ^2/NDF: 116.1/97

asym_us_avg_at1lr_avg_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 121.406+/-0.027 χ^2/NDF: 2447277.1/23

Left Out: 99.590+/-0.018 χ^2/NDF:2070951.9/23

Right Out: 116.869+/-0.026 χ^2/NDF: 4342456.0/26

Left In: 98.669+/-0.018 χ^2/NDF:2003332.7/22

Left: 99.125+/-0.013 χ^2/NDF: 4075620.9/46

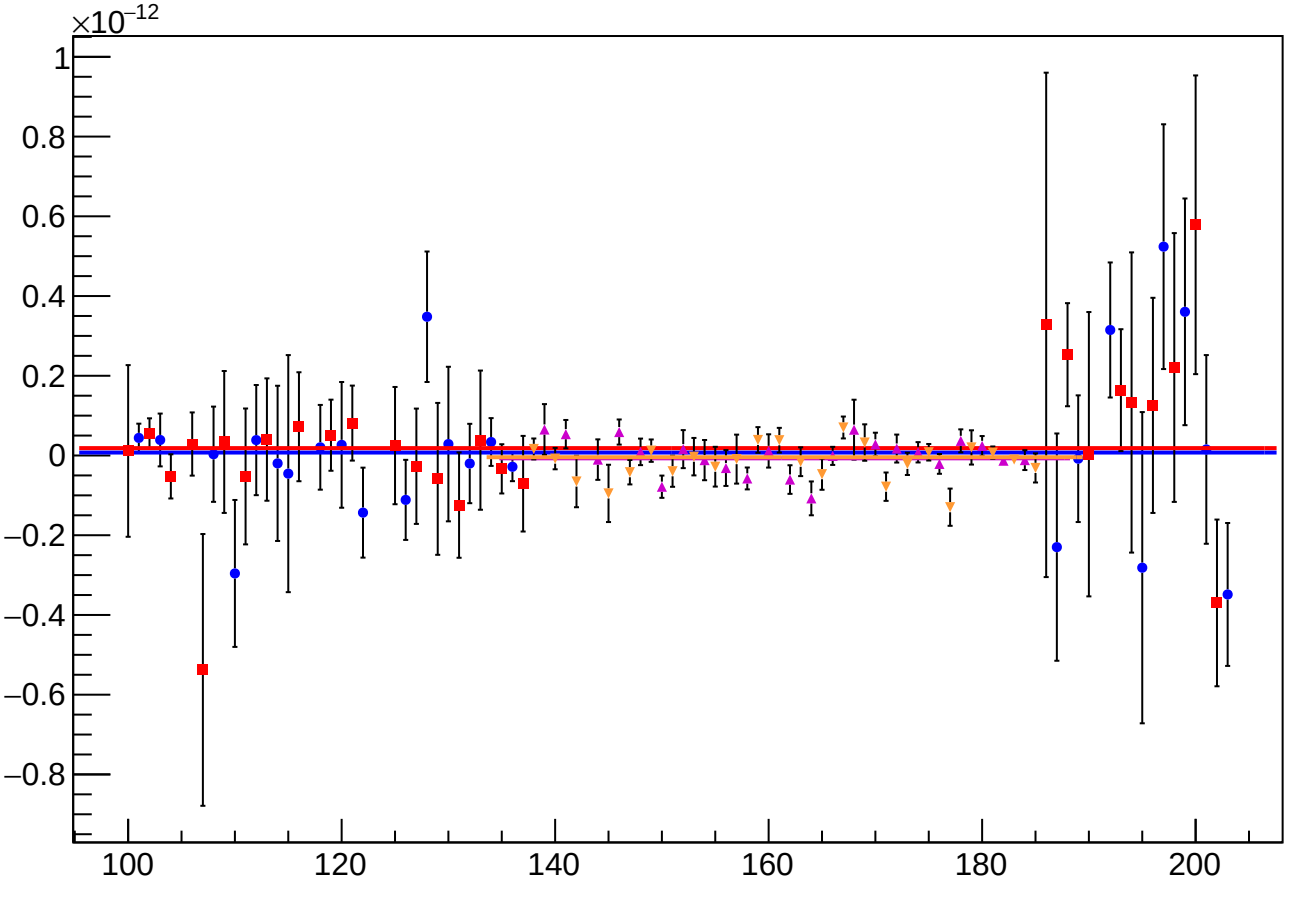
Right: 119.078+/-0.019 χ^2/NDF: 6804074.7/50

In: 105.466+/-0.015 χ^2/NDF:4942720.5/46

Out: 105.025+/-0.015 χ^2/NDF:6706326.4/50

All: 105.245+/-0.010 χ^2/NDF: 11649489.8/97

asym_us_avg_at1lr_avg_avg_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 25.8/23

Left Out: -0.000+/-0.000 χ^2/NDF:32.9/23

Right Out: 0.000+/-0.000 χ^2/NDF: 19.6/26

Left In: -0.000+/-0.000 χ^2/NDF:35.2/22

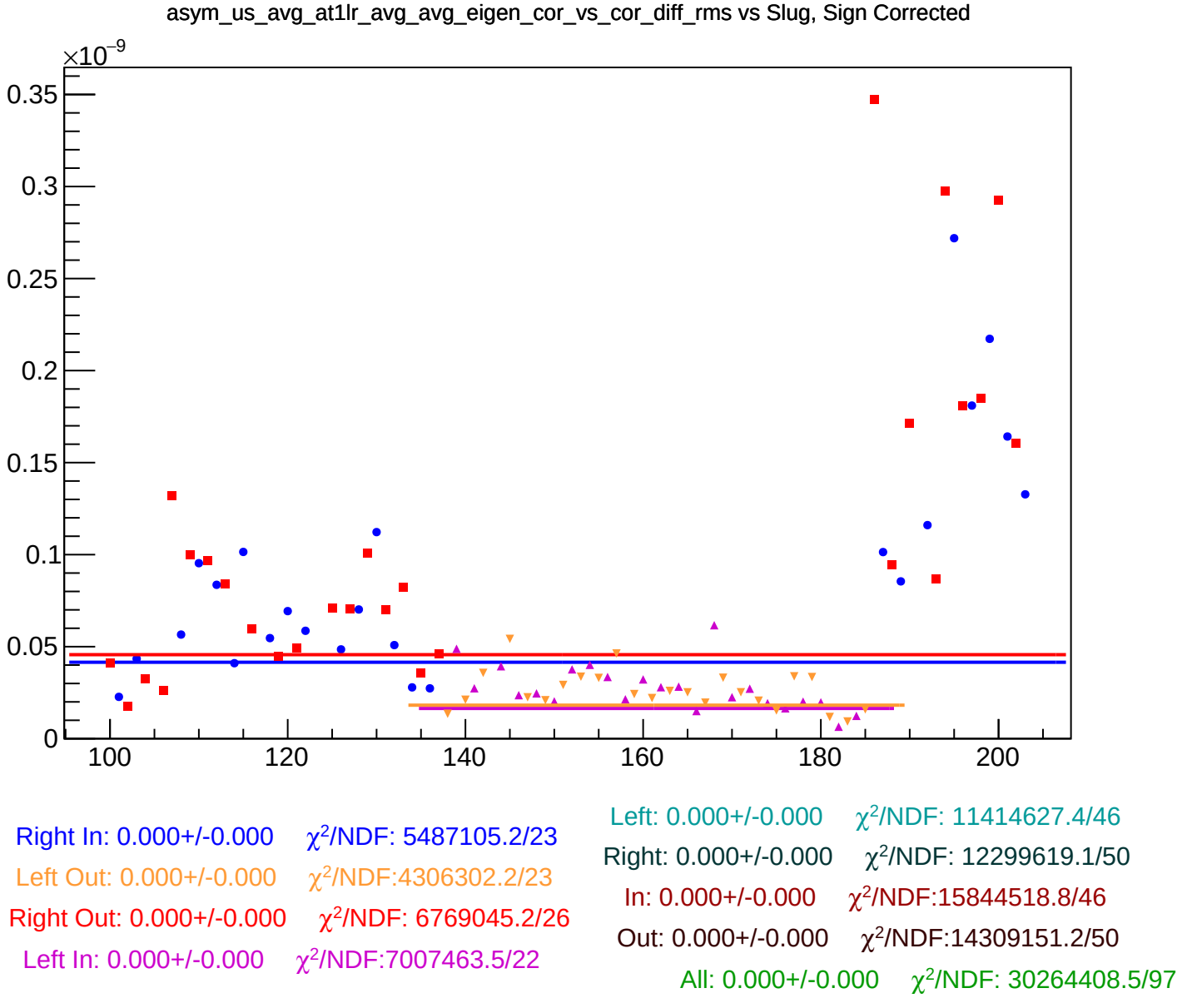
Left: -0.000+/-0.000 χ^2/NDF: 68.3/46

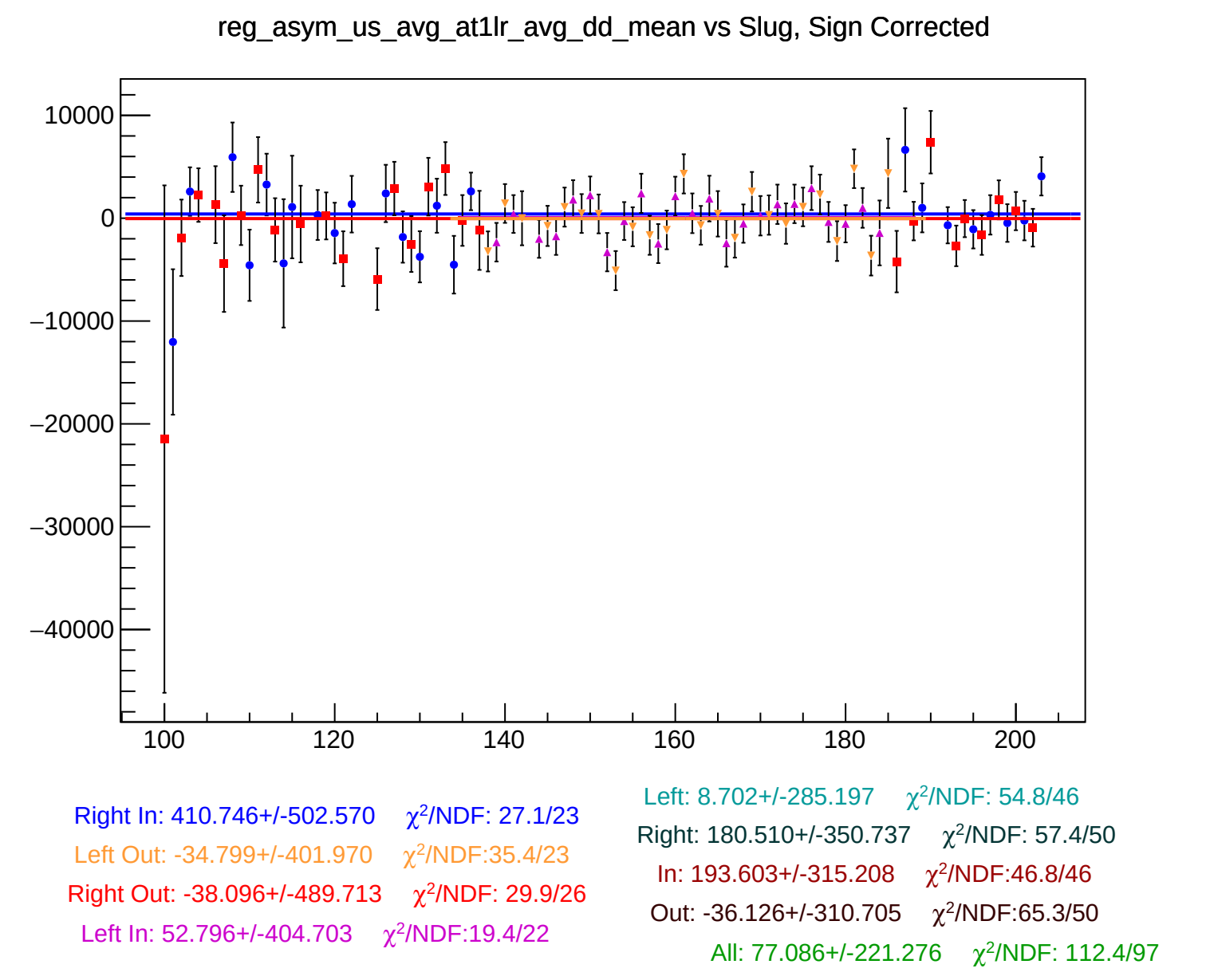
Right: 0.000+/-0.000 χ^2/NDF: 45.5/50

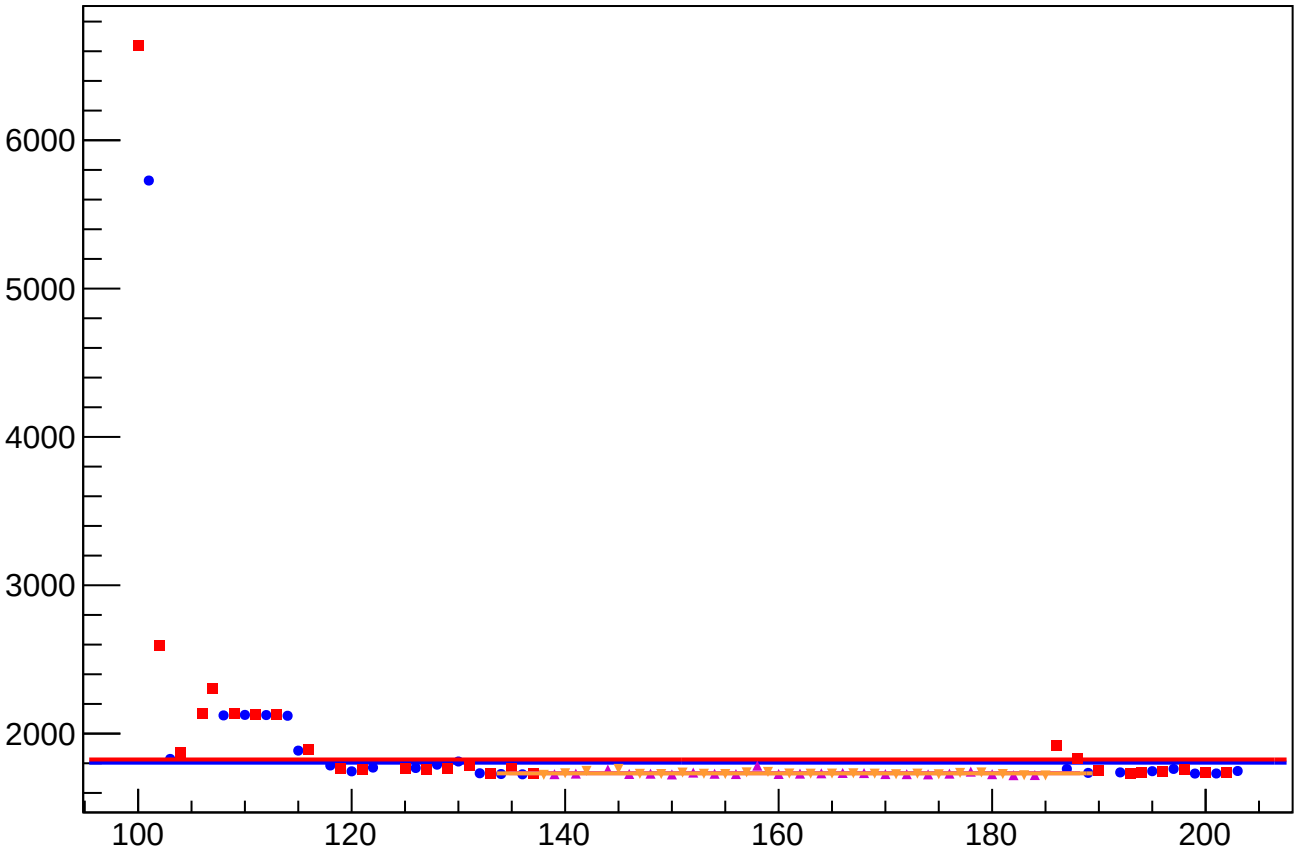
In: -0.000+/-0.000 χ^2/NDF:61.5/46

Out: -0.000+/-0.000 χ^2/NDF:53.7/50

All: -0.000+/-0.000 χ^2/NDF: 115.4/97


asym_us_avg_at1lr_avg_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
0.35
0.3
0.25
0.2
0.15
0.1
0.05
0
100
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 5487105.2/23
Left Out: 0.000+/-0.000 χ²/NDF:4306302.2/23
Right Out: 0.000+/-0.000 χ²/NDF: 6769045.2/26
Left In: 0.000+/-0.000 χ²/NDF:7007463.5/22
Left: 0.000+/-0.000 χ²/NDF: 11414627.4/46
Right: 0.000+/-0.000 χ²/NDF: 12299619.1/50
In: 0.000+/-0.000 χ²/NDF:15844518.8/46
Out: 0.000+/-0.000 χ²/NDF:14309151.2/50
All: 0.000+/-0.000 χ²/NDF: 30264408.5/97


reg_asym_us_avg_at1lr_avg_dd_mean vs Slug, Sign Corrected
10000
0
−10000
−20000
−30000
−40000
100
120
140
160
180
200
Right In: 410.746+/-502.570 χ²/NDF: 27.1/23
Left Out: -34.799+/-401.970 χ²/NDF:35.4/23
Right Out: -38.096+/-489.713 χ²/NDF: 29.9/26
Left In: 52.796+/-404.703 χ²/NDF:19.4/22
Left: 8.702+/-285.197 χ²/NDF: 54.8/46
Right: 180.510+/-350.737 χ²/NDF: 57.4/50
In: 193.603+/-315.208 χ²/NDF:46.8/46
Out: -36.126+/-310.705 χ²/NDF:65.3/50
All: 77.086+/-221.276 χ²/NDF: 112.4/97



Right In: 1804.028+/-0.355 χ^2/NDF: 702962.9/23

Left Out: 1731.985+/-0.284 χ^2/NDF:937.2/23

Right Out: 1825.532+/-0.346 χ^2/NDF: 297725.4/26

Left In: 1733.315+/-0.286 χ^2/NDF:2230.5/22

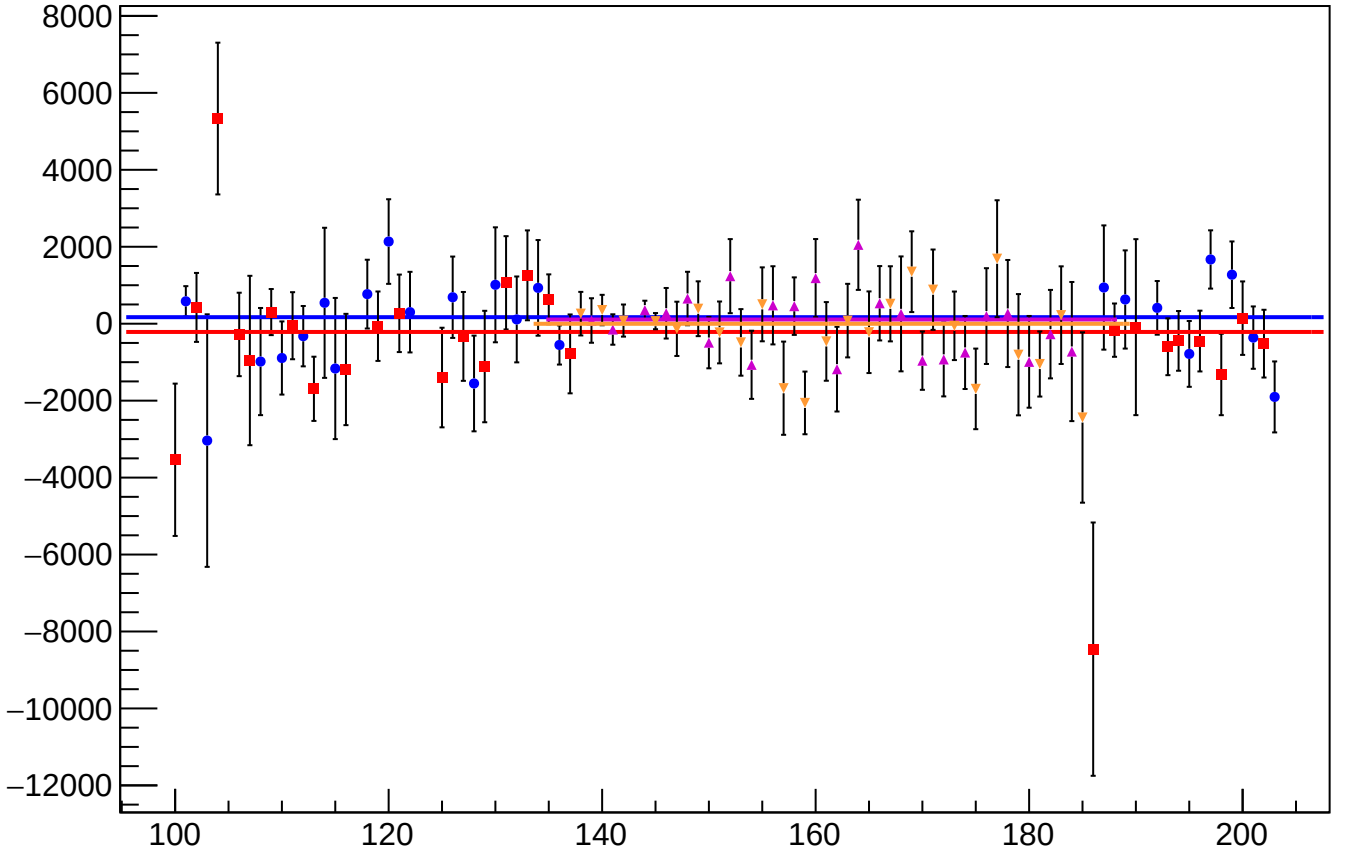
Left: 1732.646+/-0.202 χ^2/NDF: 3178.5/46

Right: 1815.059+/-0.248 χ^2/NDF: 1002566.6/50

In: 1761.132+/-0.223 χ^2/NDF:729212.4/46

Out: 1769.642+/-0.220 χ^2/NDF:342265.3/50

All: 1765.448+/-0.156 χ^2/NDF: 1072217.1/97



Right In: 169.666+/-180.069 χ^2/NDF: 26.2/23

Left Out: -2.406+/-130.052 χ^2/NDF:20.3/23

Right Out: -214.381+/-187.778 χ^2/NDF: 30.0/26

Left In: 108.386+/-143.315 χ^2/NDF:17.0/22

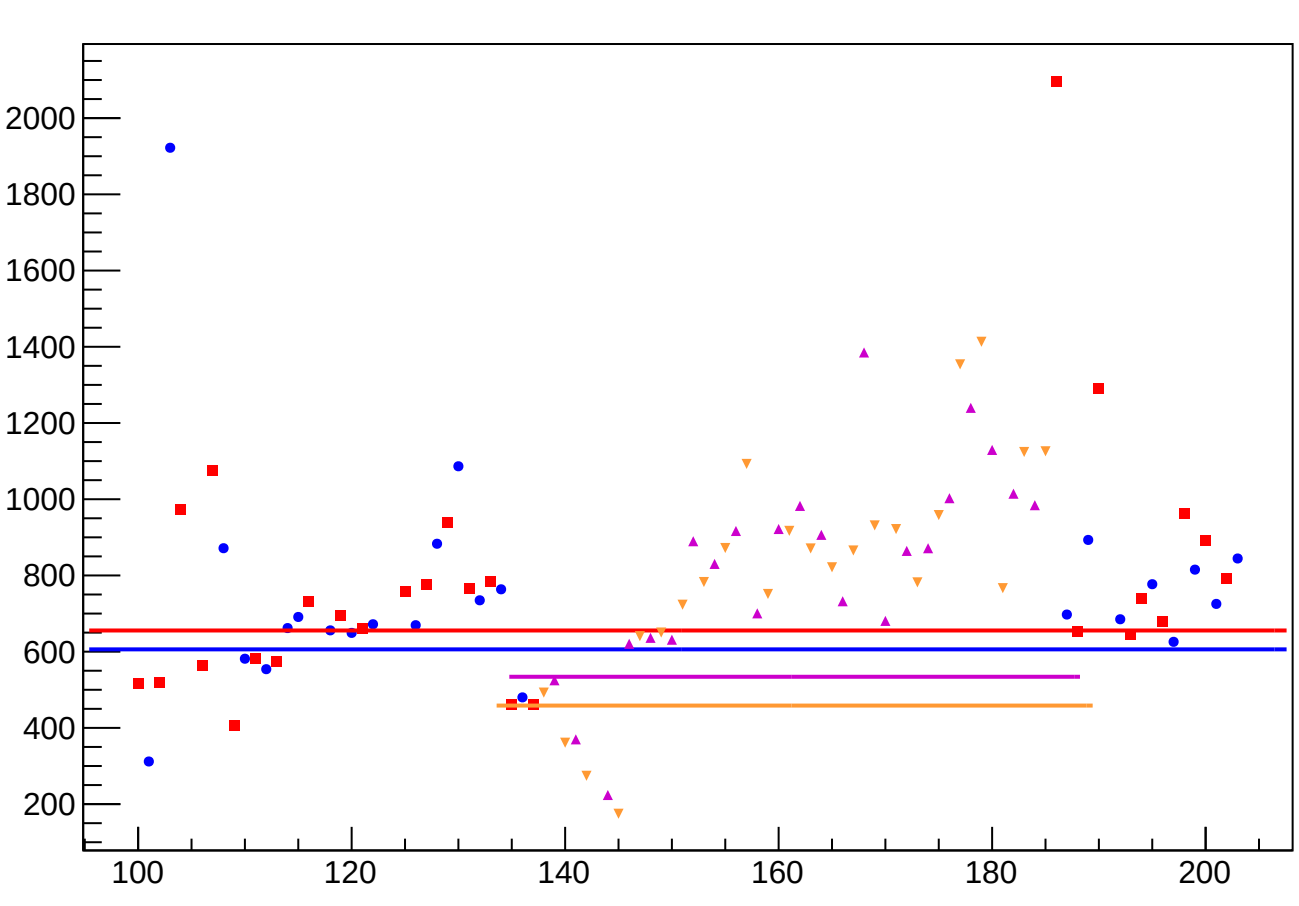
Left: 47.628+/-96.309 χ^2/NDF: 37.6/46

Right: -14.312+/-129.968 χ^2/NDF: 58.4/50

In: 132.150+/-112.135 χ^2/NDF:43.3/46

Out: -71.122+/-106.914 χ^2/NDF:51.2/50

All: 25.672+/-77.379 χ^2/NDF: 96.2/97



Right In: 606.050+/-0.127 χ^2/NDF: 2548811.1/23

Left Out: 458.579+/-0.092 χ^2/NDF:11426734.4/23

Right Out: 655.604+/-0.133 χ^2/NDF: 1887229.7/26

Left In: 534.161+/-0.101 χ^2/NDF:8443293.1/22

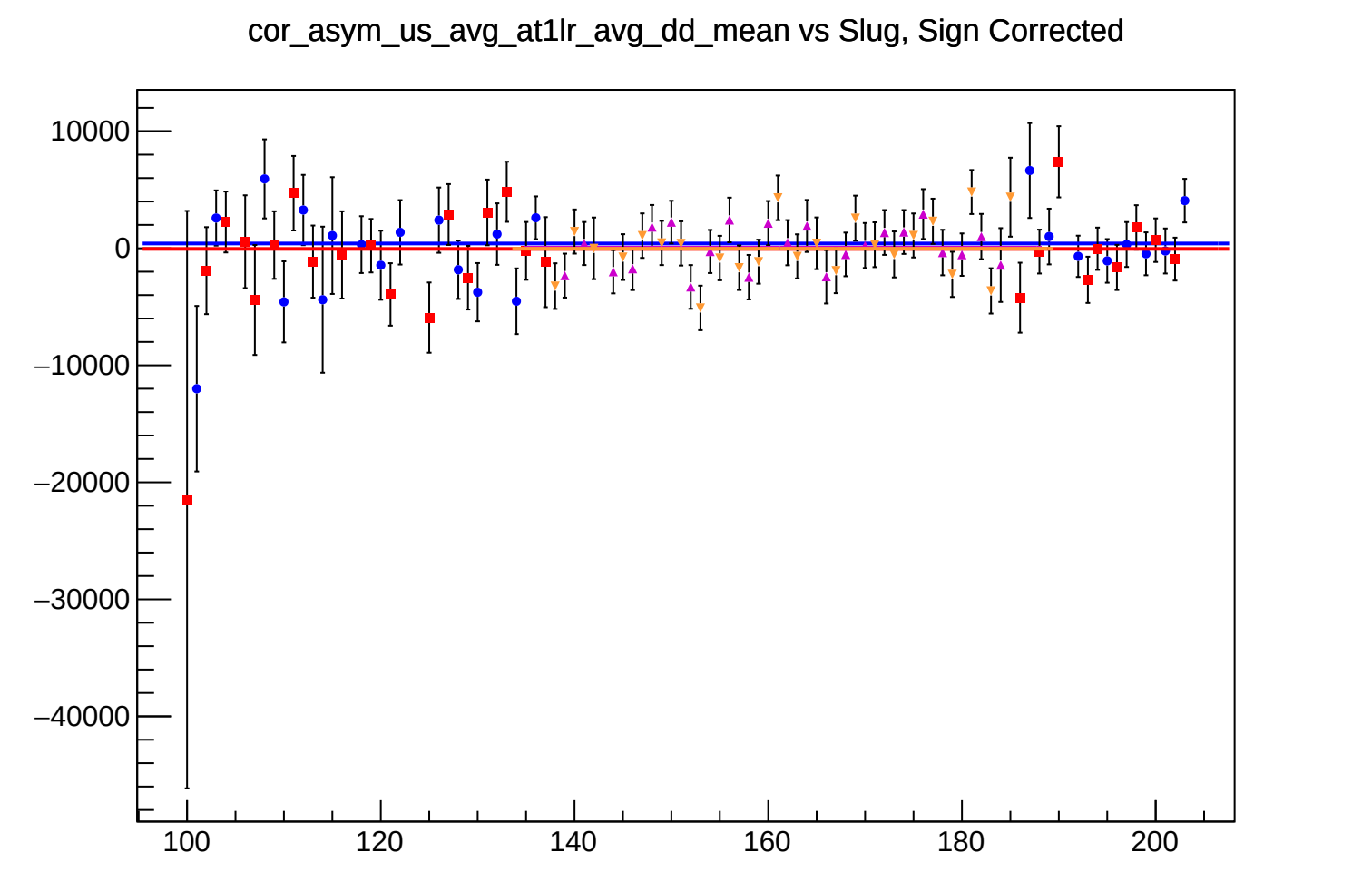
Left: 492.711+/-0.068 χ^2/NDF: 20175085.0/46

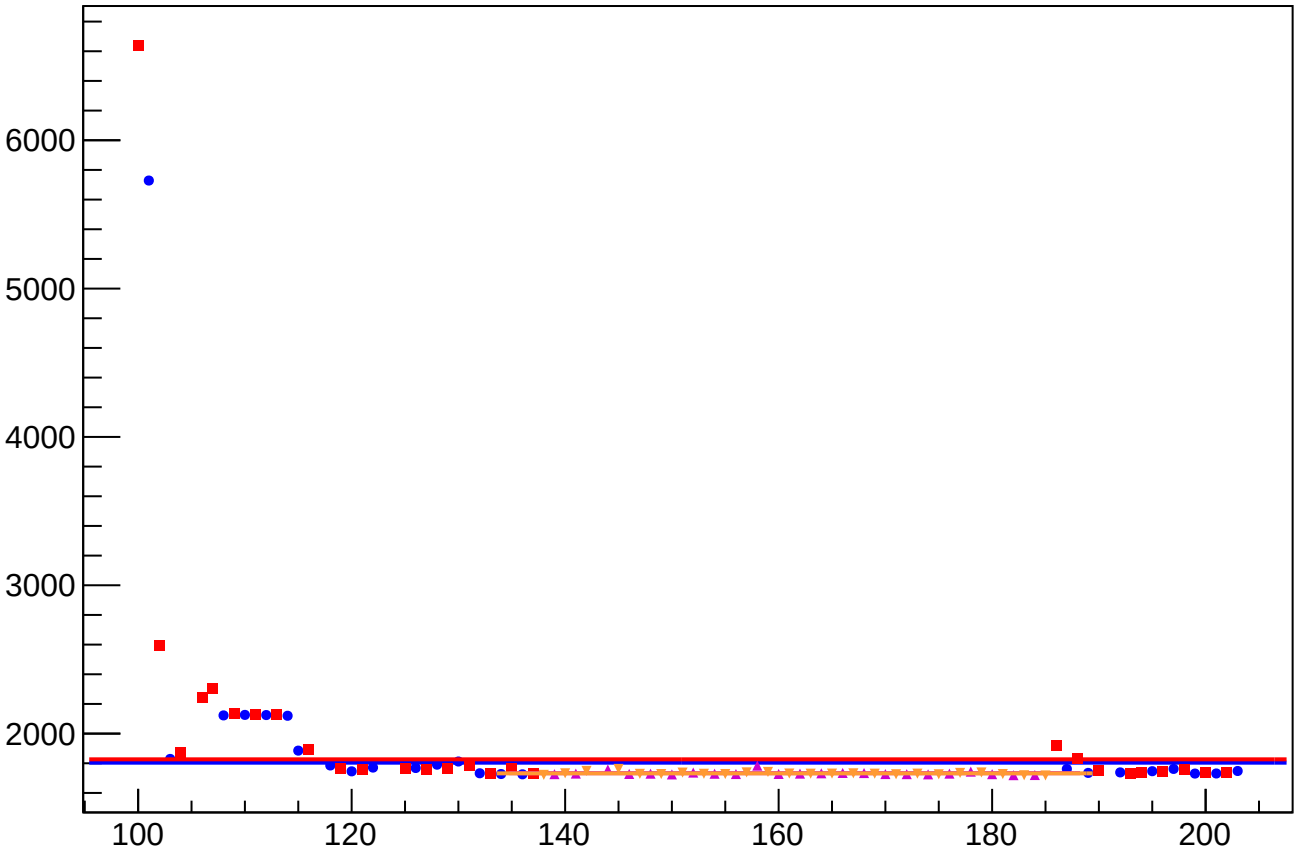
Right: 629.789+/-0.092 χ^2/NDF: 4508600.7/50

In: 562.039+/-0.079 χ^2/NDF:11187257.3/46

Out: 522.449+/-0.076 χ^2/NDF:14802014.0/50

All: 541.301+/-0.055 χ^2/NDF: 26119857.2/97


cor_asym_us_avg_at1lr_avg_dd_mean vs Slug, Sign Corrected
10000
0
−10000
−20000
−30000
−40000
100
120
140
160
180
200
Right In: 410.735+/-502.570 χ²/NDF: 27.1/23
Left Out: -34.742+/-401.970 χ²/NDF:35.4/23
Right Out: -52.268+/-490.170 χ²/NDF: 29.8/26
Left In: 52.714+/-404.703 χ²/NDF:19.4/22
Left: 8.689+/-285.197 χ²/NDF: 54.8/46
Right: 173.451+/-350.905 χ²/NDF: 57.3/50
In: 193.549+/-315.208 χ²/NDF:46.8/46
Out: -41.790+/-310.821 χ²/NDF:65.2/50
All: 74.231+/-221.319 χ²/NDF: 112.3/97



Right In: 1804.028+/-0.355 χ^2/NDF: 702962.8/23

Left Out: 1731.985+/-0.284 χ^2/NDF:937.2/23

Right Out: 1826.558+/-0.347 χ^2/NDF: 305934.7/26

Left In: 1733.315+/-0.286 χ^2/NDF:2230.5/22

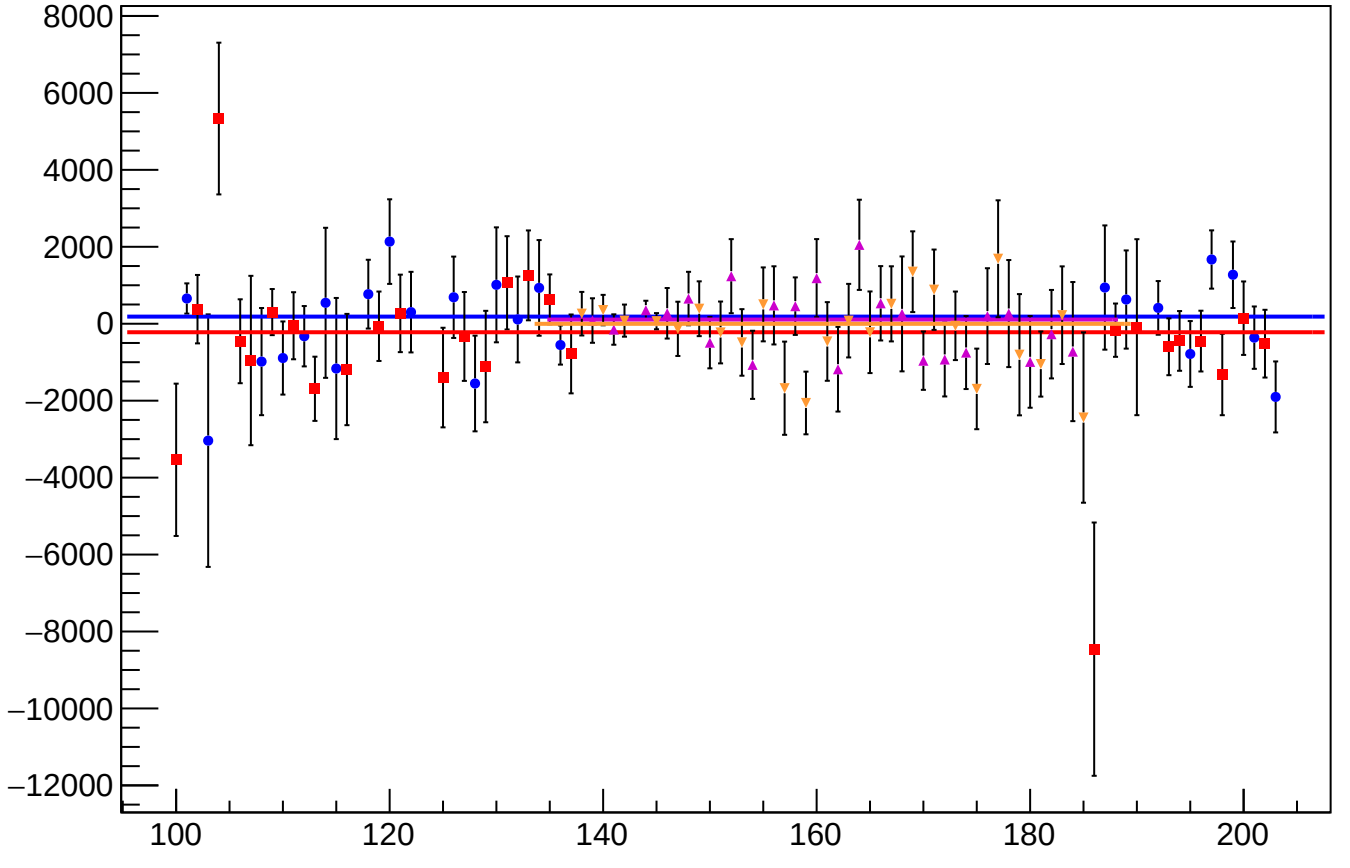
Left: 1732.646+/-0.202 χ^2/NDF: 3178.5/46

Right: 1815.574+/-0.248 χ^2/NDF: 1010957.3/50

In: 1761.132+/-0.223 χ^2/NDF:729212.2/46

Out: 1770.012+/-0.220 χ^2/NDF:351386.1/50

All: 1765.634+/-0.156 χ^2/NDF: 1081403.2/97



Right In: 185.271+/-180.027 χ^2/NDF: 26.7/23

Left Out: -2.529+/-130.054 χ^2/NDF:20.3/23

Right Out: -221.130+/-187.751 χ^2/NDF: 30.0/26

Left In: 108.358+/-143.315 χ^2/NDF:17.0/22

Left: 47.548+/-96.310 χ^2/NDF: 37.6/46

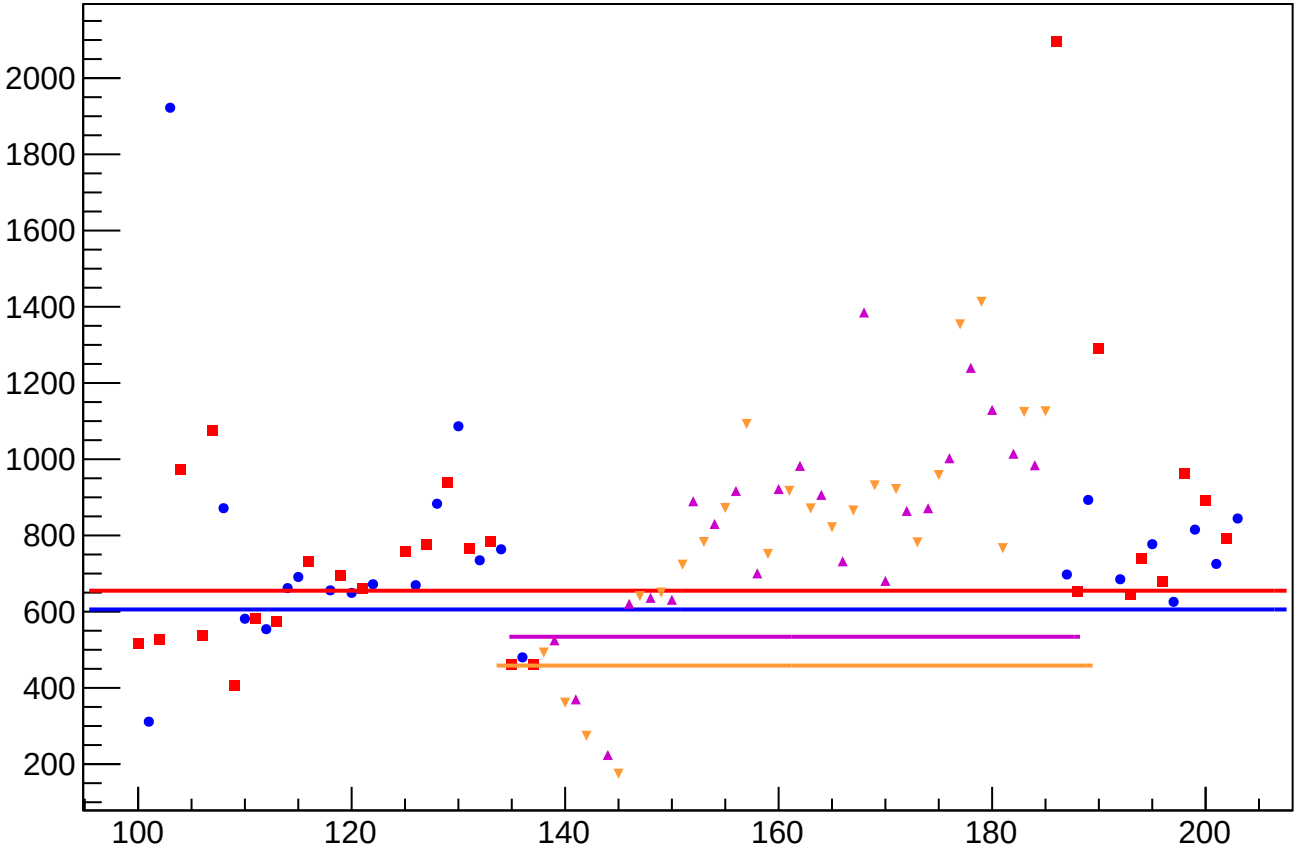
Right: -9.399+/-129.943 χ^2/NDF: 59.1/50

In: 138.193+/-112.125 χ^2/NDF:43.8/46

Out: -73.409+/-106.910 χ^2/NDF:51.2/50

All: 27.357+/-77.375 χ^2/NDF: 96.8/97

asym_us_avg_at1lr_avg_dd_cor_correction_rms vs Slug, Sign Corrected



Right In: 605.810+/-0.127 χ^2/NDF: 2555045.2/23

Left Out: 458.589+/-0.092 χ^2/NDF:11426319.1/23

Right Out: 655.051+/-0.133 χ^2/NDF: 1892587.8/26

Left In: 534.168+/-0.101 χ^2/NDF:8442812.5/22

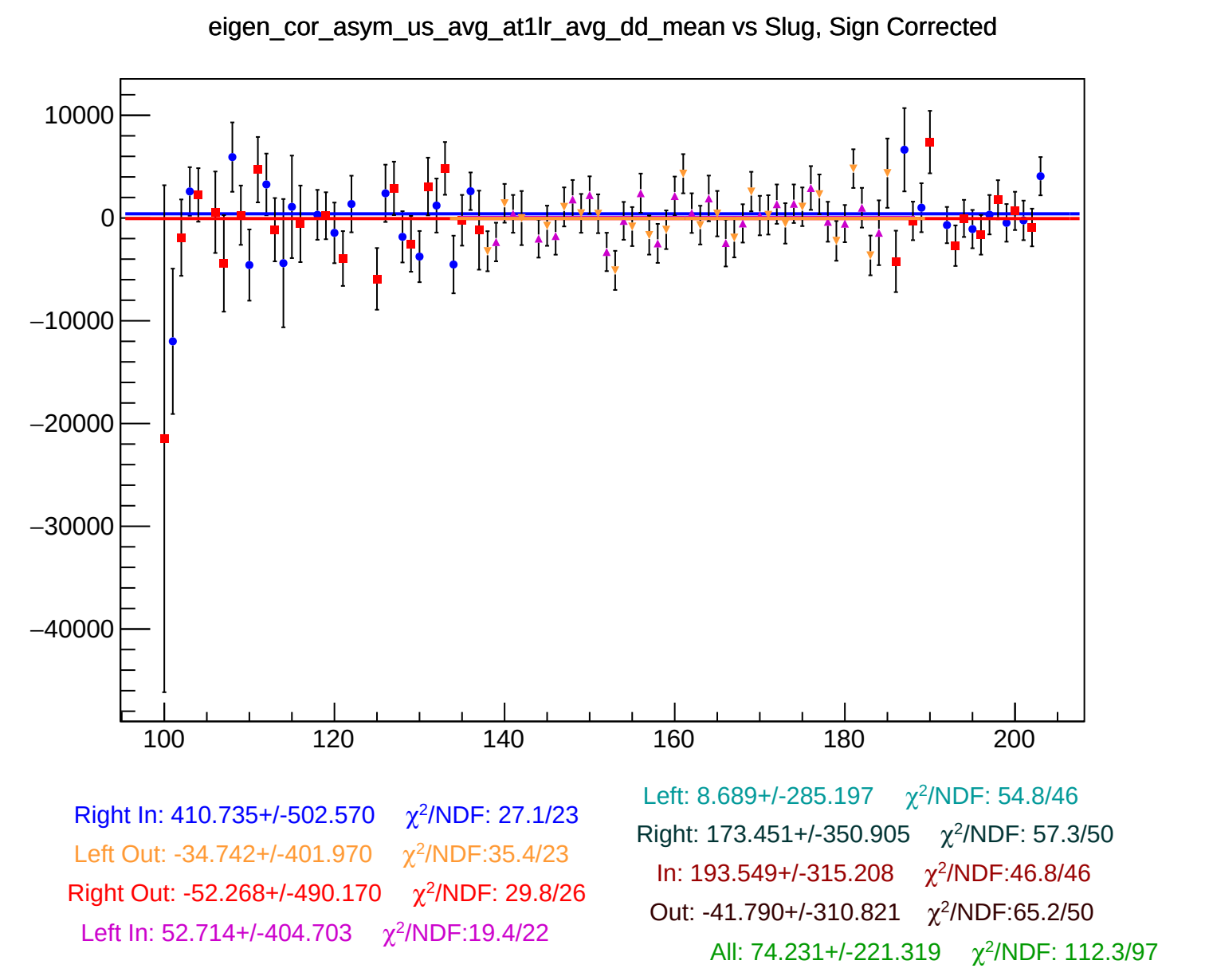
Left: 492.721+/-0.068 χ^2/NDF: 20174164.1/46

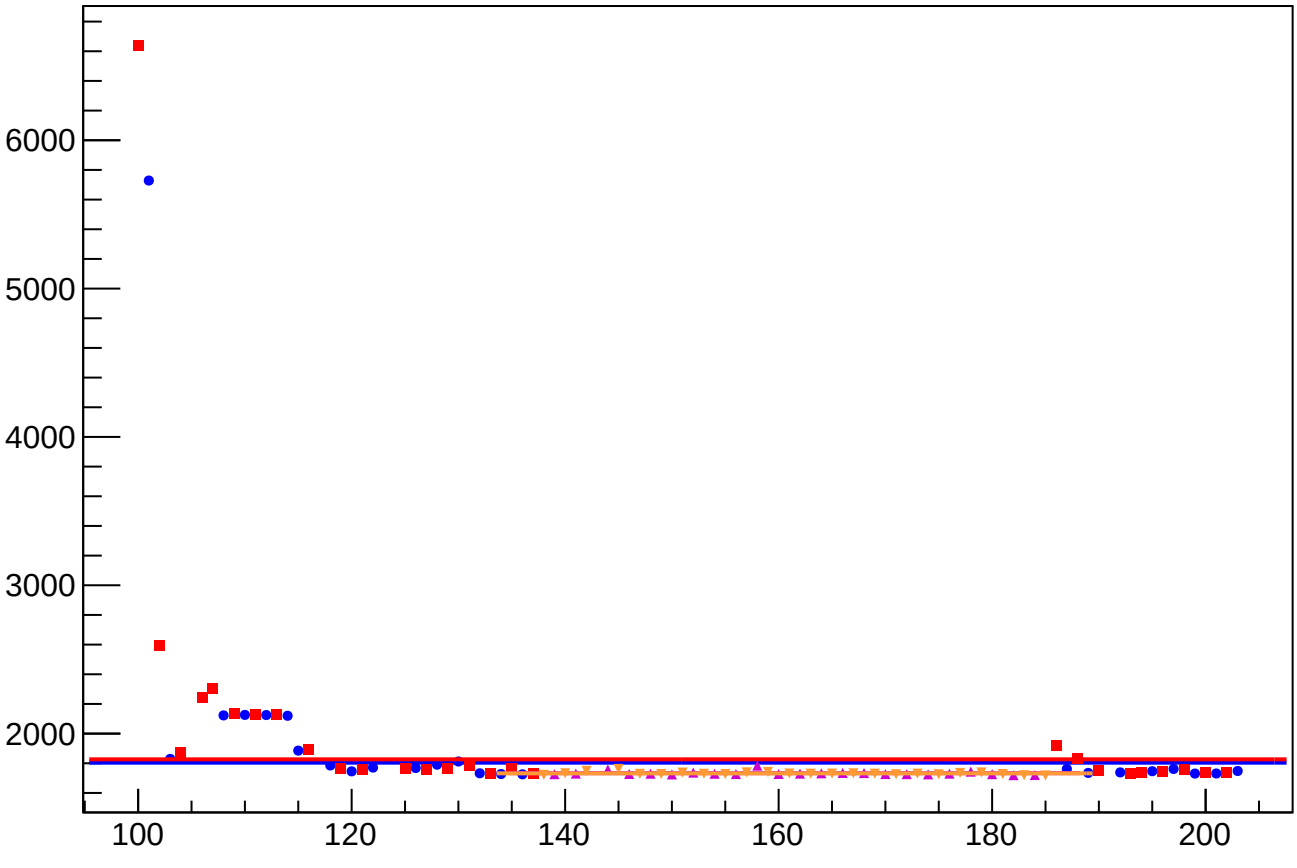
Right: 629.397+/-0.092 χ^2/NDF: 4519305.4/50

In: 561.959+/-0.079 χ^2/NDF:11191724.7/46

Out: 522.291+/-0.076 χ^2/NDF:14798742.2/50

All: 541.181+/-0.055 χ^2/NDF: 26121586.2/97


eigen_cor_asym_us_avg_at1lr_avg_dd_mean vs Slug, Sign Corrected
10000
0
−10000
−20000
−30000
−40000
100
120
140
160
180
200
Right In: 410.735+/-502.570 χ²/NDF: 27.1/23
Left Out: -34.742+/-401.970 χ²/NDF:35.4/23
Right Out: -52.268+/-490.170 χ²/NDF: 29.8/26
Left In: 52.714+/-404.703 χ²/NDF:19.4/22
Left: 8.689+/-285.197 χ²/NDF: 54.8/46
Right: 173.451+/-350.905 χ²/NDF: 57.3/50
In: 193.549+/-315.208 χ²/NDF:46.8/46
Out: -41.790+/-310.821 χ²/NDF:65.2/50
All: 74.231+/-221.319 χ²/NDF: 112.3/97



Right In: 1804.028+/-0.355 χ^2/NDF: 702962.8/23

Left Out: 1731.985+/-0.284 χ^2/NDF:937.2/23

Right Out: 1826.558+/-0.347 χ^2/NDF: 305934.7/26

Left In: 1733.315+/-0.286 χ^2/NDF:2230.5/22

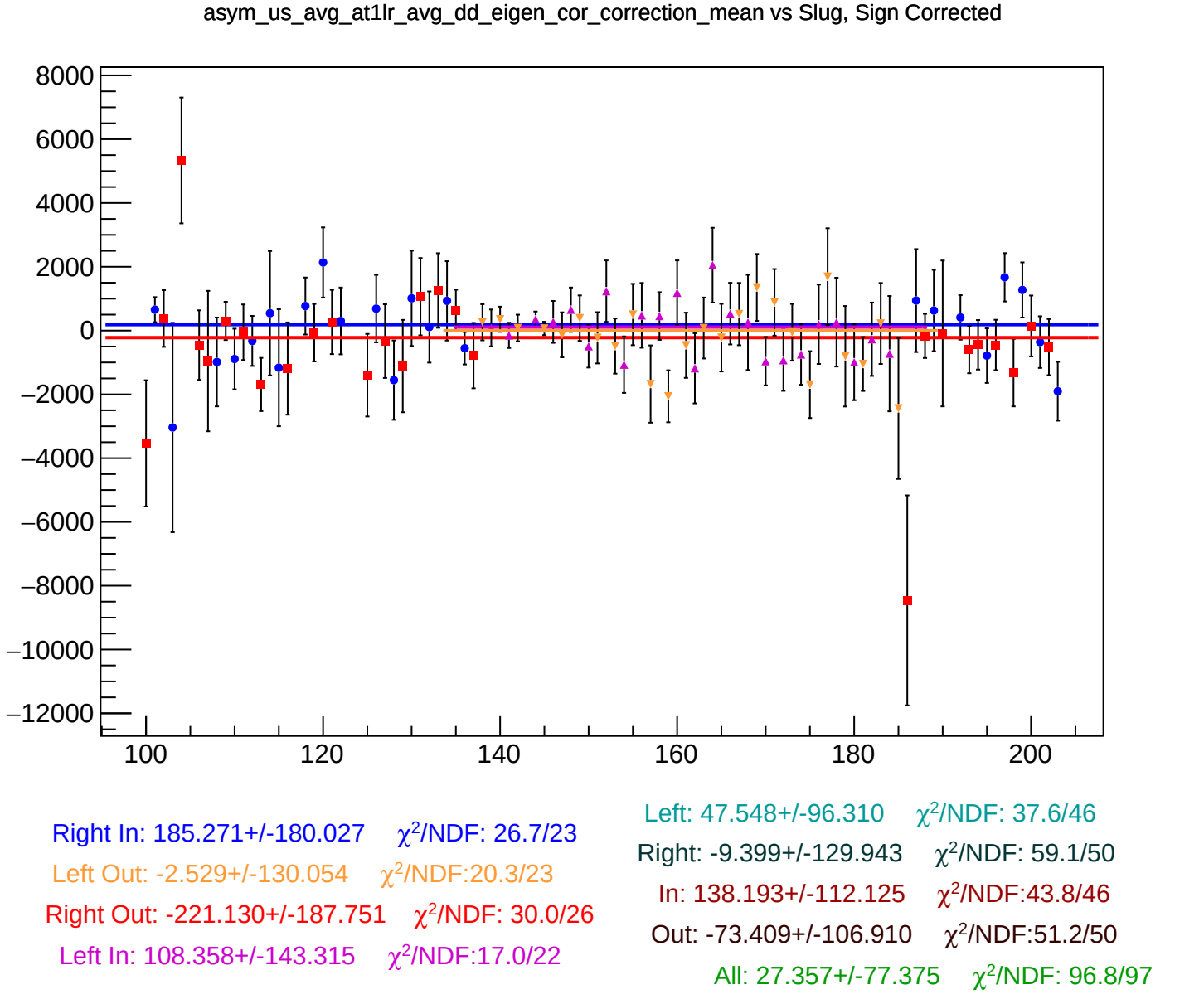
Left: 1732.646+/-0.202 χ^2/NDF: 3178.5/46

Right: 1815.574+/-0.248 χ^2/NDF: 1010957.3/50

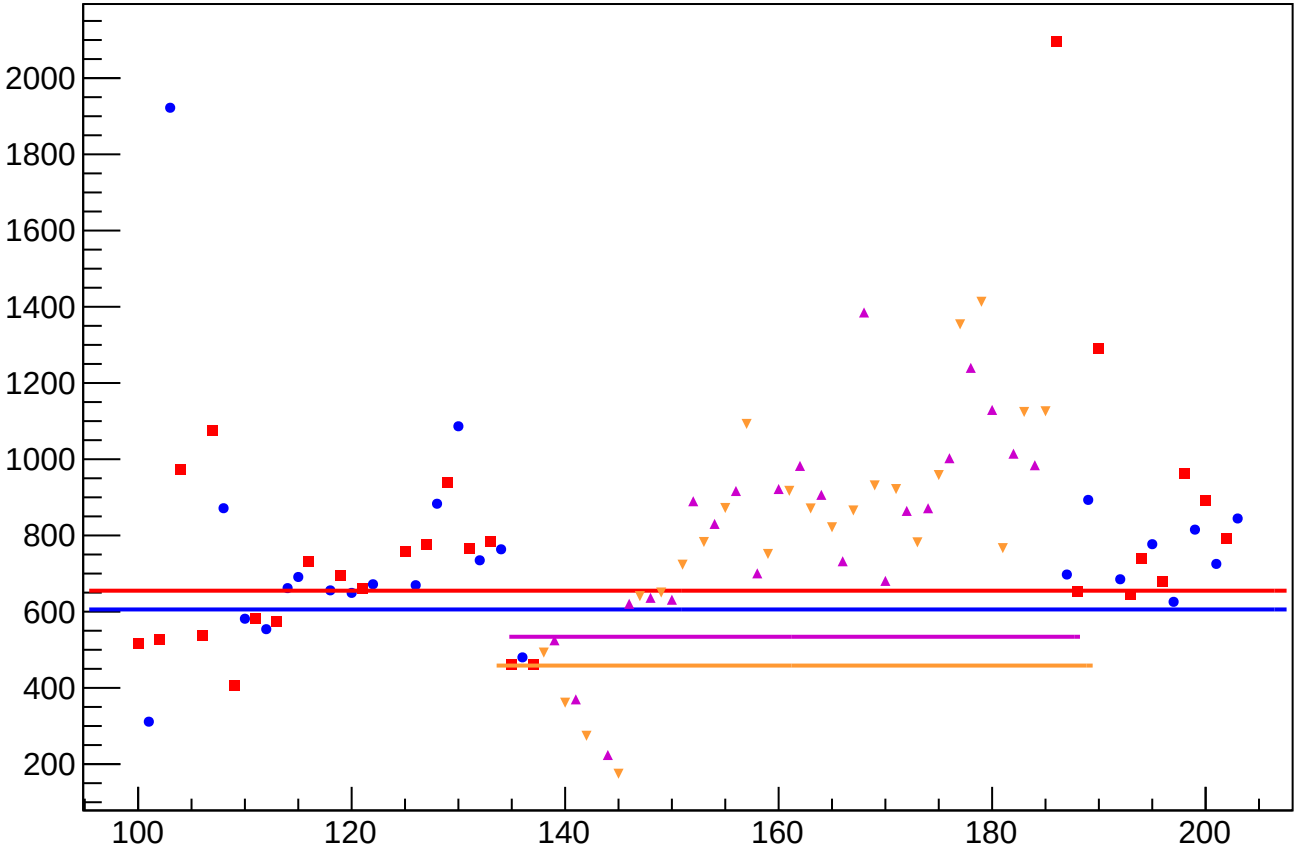
In: 1761.132+/-0.223 χ^2/NDF:729212.2/46

Out: 1770.012+/-0.220 χ^2/NDF:351386.1/50

All: 1765.634+/-0.156 χ^2/NDF: 1081403.2/97


asym_us_avg_at1lr_avg_dd_eigen_cor_correction_mean vs Slug, Sign Corrected
8000
6000
4000
2000
0
−2000
−4000
−6000
−8000
−10000
−12000
100
120
140
160
180
200
Right In: 185.271+/-180.027 χ²/NDF: 26.7/23
Left Out: -2.529+/-130.054 χ²/NDF:20.3/23
Right Out: -221.130+/-187.751 χ²/NDF: 30.0/26
Left In: 108.358+/-143.315 χ²/NDF:17.0/22
Left: 47.548+/-96.310 χ²/NDF: 37.6/46
Right: -9.399+/-129.943 χ²/NDF: 59.1/50
In: 138.193+/-112.125 χ²/NDF:43.8/46
Out: -73.409+/-106.910 χ²/NDF:51.2/50
All: 27.357+/-77.375 χ²/NDF: 96.8/97

asym_us_avg_at1lr_avg_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 605.810+/-0.127 χ^2/NDF: 2555045.2/23

Left Out: 458.589+/-0.092 χ^2/NDF:11426319.1/23

Right Out: 655.051+/-0.133 χ^2/NDF: 1892587.8/26

Left In: 534.168+/-0.101 χ^2/NDF:8442812.5/22

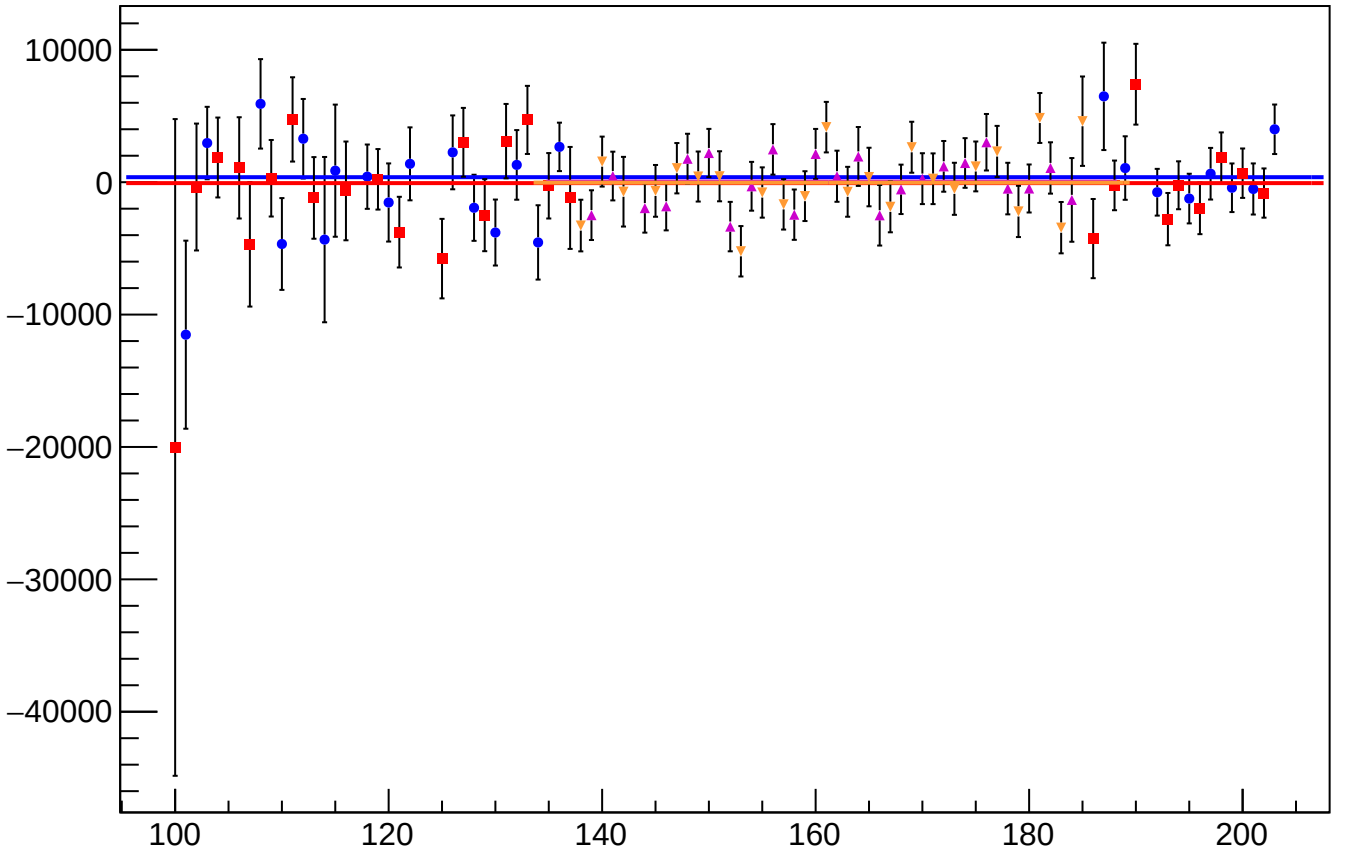
Left: 492.721+/-0.068 χ^2/NDF: 20174164.1/46

Right: 629.397+/-0.092 χ^2/NDF: 4519305.4/50

In: 561.959+/-0.079 χ^2/NDF:11191724.7/46

Out: 522.291+/-0.076 χ^2/NDF:14798742.2/50

All: 541.181+/-0.055 χ^2/NDF: 26121586.2/97



Right In: 378.618+/-507.013 χ^2/NDF: 27.1/23

Left Out: -29.389+/-402.317 χ^2/NDF:35.4/23

Right Out: -68.953+/-495.484 χ^2/NDF: 29.3/26

Left In: 42.465+/-405.052 χ^2/NDF:19.9/22

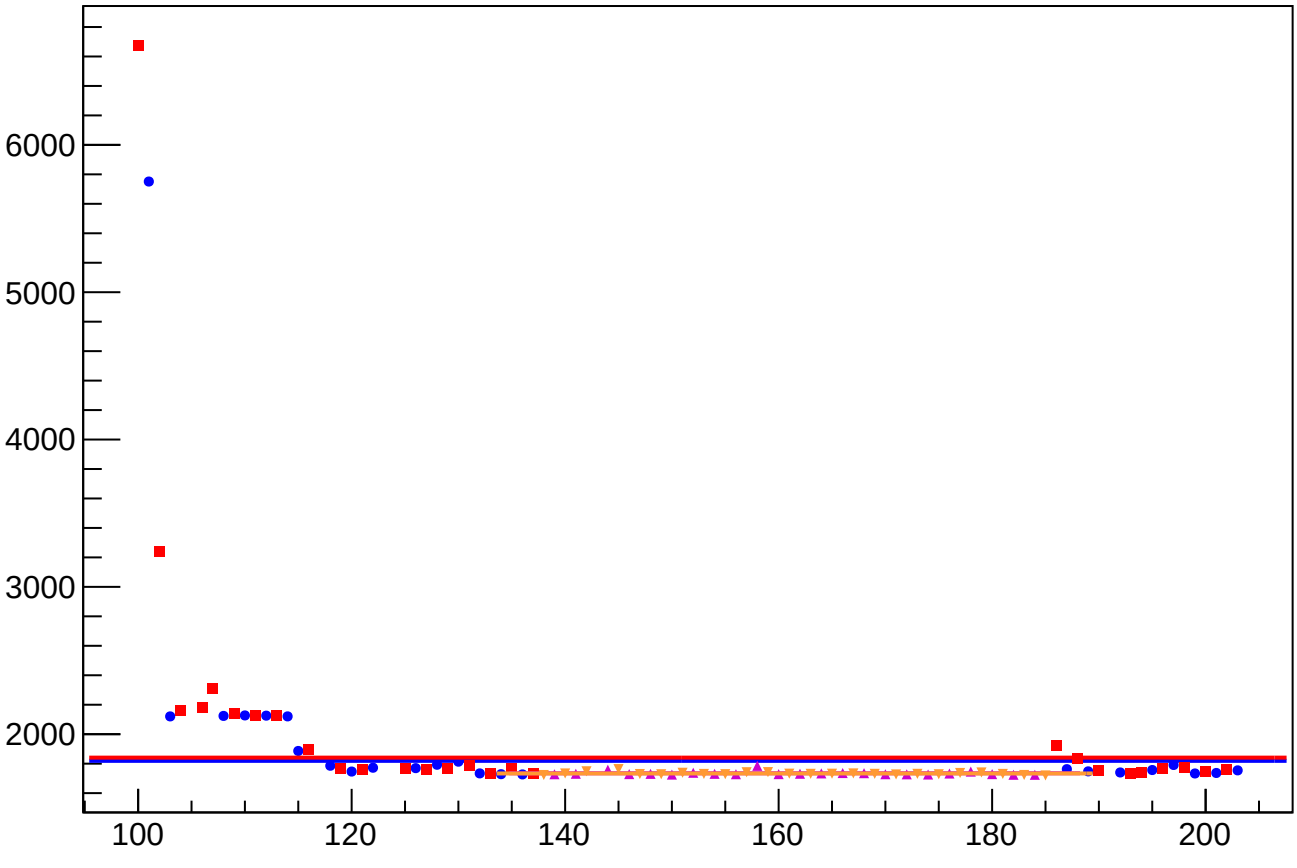
Left: 6.295+/-285.443 χ^2/NDF: 55.3/46

Right: 149.686+/-354.366 χ^2/NDF: 56.8/50

In: 173.426+/-316.462 χ^2/NDF:47.3/46

Out: -45.109+/-312.325 χ^2/NDF:64.7/50

All: 62.721+/-222.296 χ^2/NDF: 112.2/97



Right In: 1819.083+/-0.359 χ^2/NDF: 726608.0/23

Left Out: 1733.478+/-0.284 χ^2/NDF:901.3/23

Right Out: 1840.937+/-0.350 χ^2/NDF: 405725.7/26

Left In: 1734.810+/-0.286 χ^2/NDF:2175.7/22

Left: 1734.140+/-0.202 χ^2/NDF: 3087.9/46

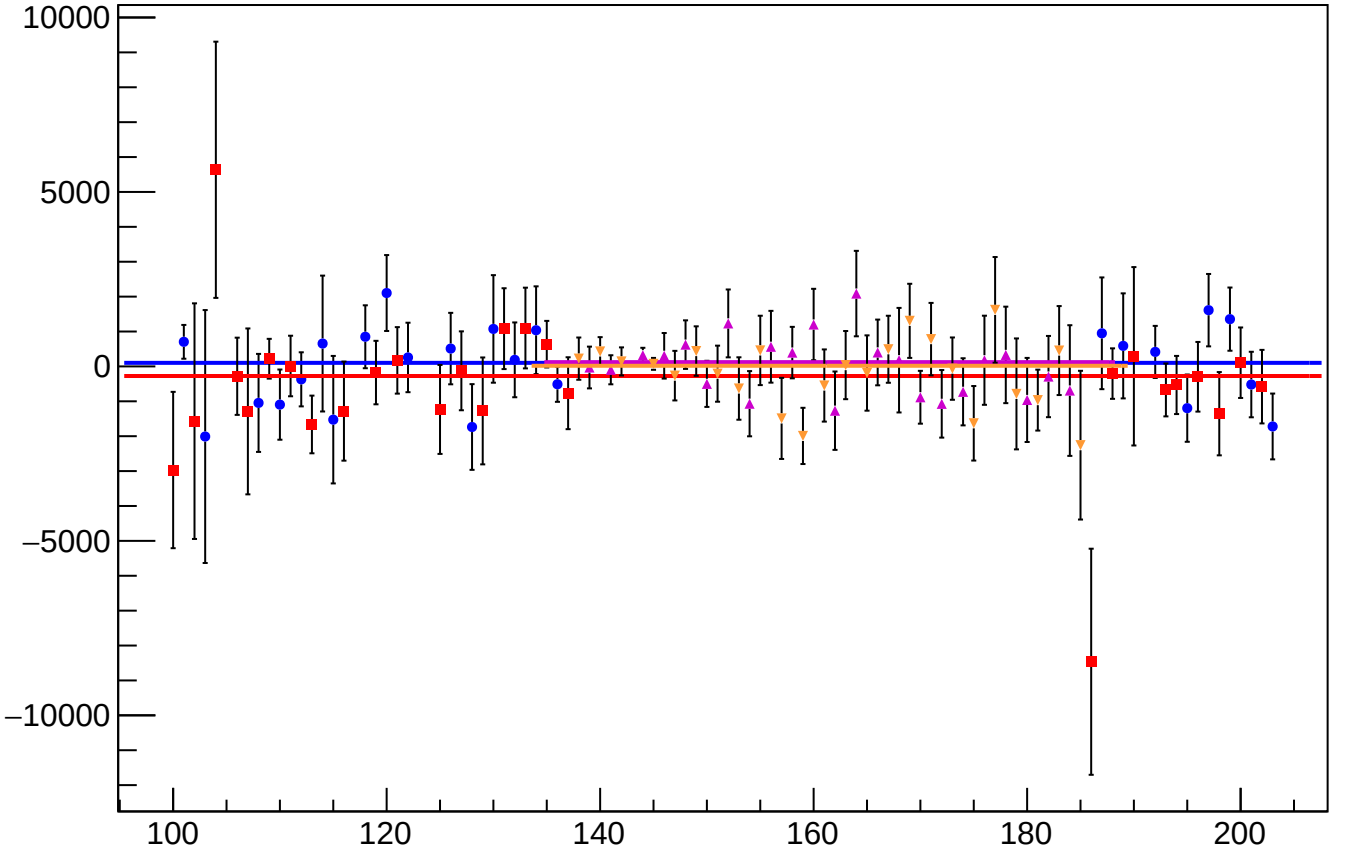
Right: 1830.261+/-0.251 χ^2/NDF: 1134234.3/50

In: 1767.642+/-0.224 χ^2/NDF:762511.9/46

Out: 1776.175+/-0.221 χ^2/NDF:463320.2/50

All: 1771.965+/-0.157 χ^2/NDF: 1226568.9/97

asym_us_avg_at1lr_avg_dd_dit_correction_mean vs Slug, Sign Corrected



Right In: 102.076+/-193.389 χ^2/NDF: 24.7/23

Left Out: 18.027+/-119.333 χ^2/NDF:19.4/23

Right Out: -275.094+/-198.182 χ^2/NDF: 22.5/26

Left In: 121.705+/-137.150 χ^2/NDF:16.5/22

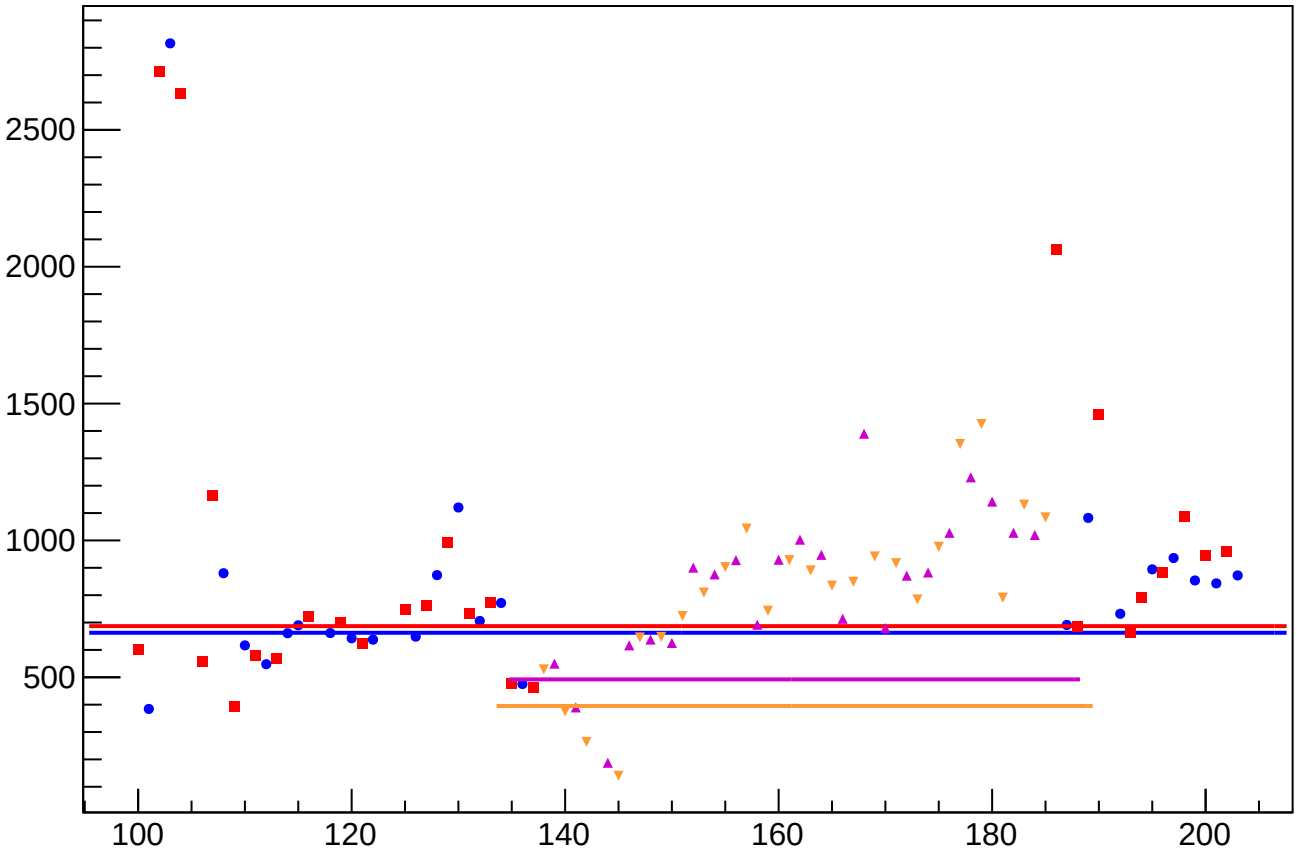
Left: 62.699+/-90.026 χ^2/NDF: 36.2/46

Right: -81.893+/-138.410 χ^2/NDF: 49.1/50

In: 115.137+/-111.872 χ^2/NDF:41.2/46

Out: -59.971+/-102.231 χ^2/NDF:43.6/50

All: 19.713+/-75.467 χ^2/NDF: 86.1/97



Right In: 662.667+/-0.137 χ^2/NDF: 2684261.3/23

Left Out: 395.188+/-0.084 χ^2/NDF:14334419.9/23

Right Out: 686.858+/-0.140 χ^2/NDF: 3556154.2/26

Left In: 492.294+/-0.097 χ^2/NDF:10419498.8/22

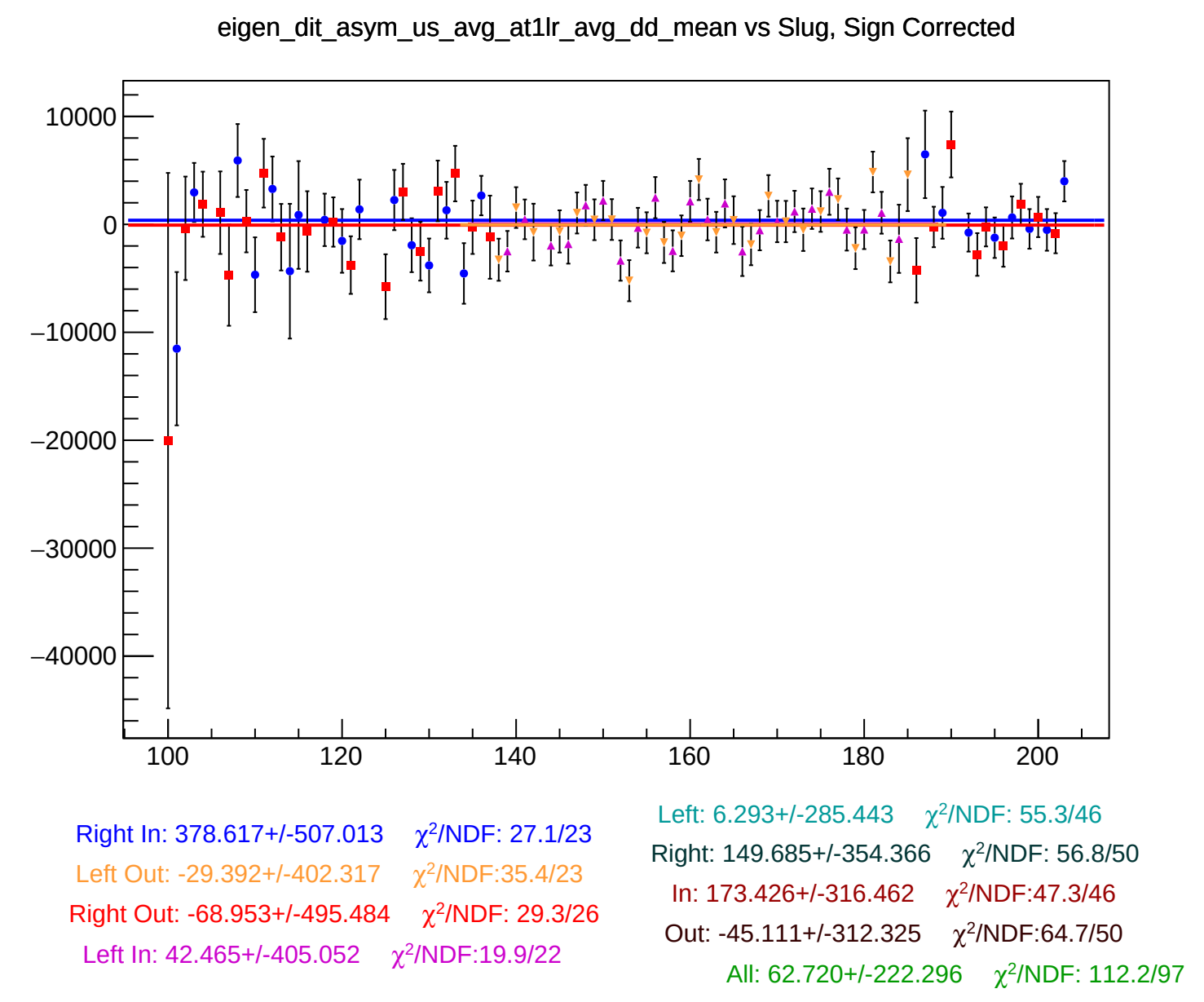
Left: 437.028+/-0.064 χ^2/NDF: 25324537.7/46

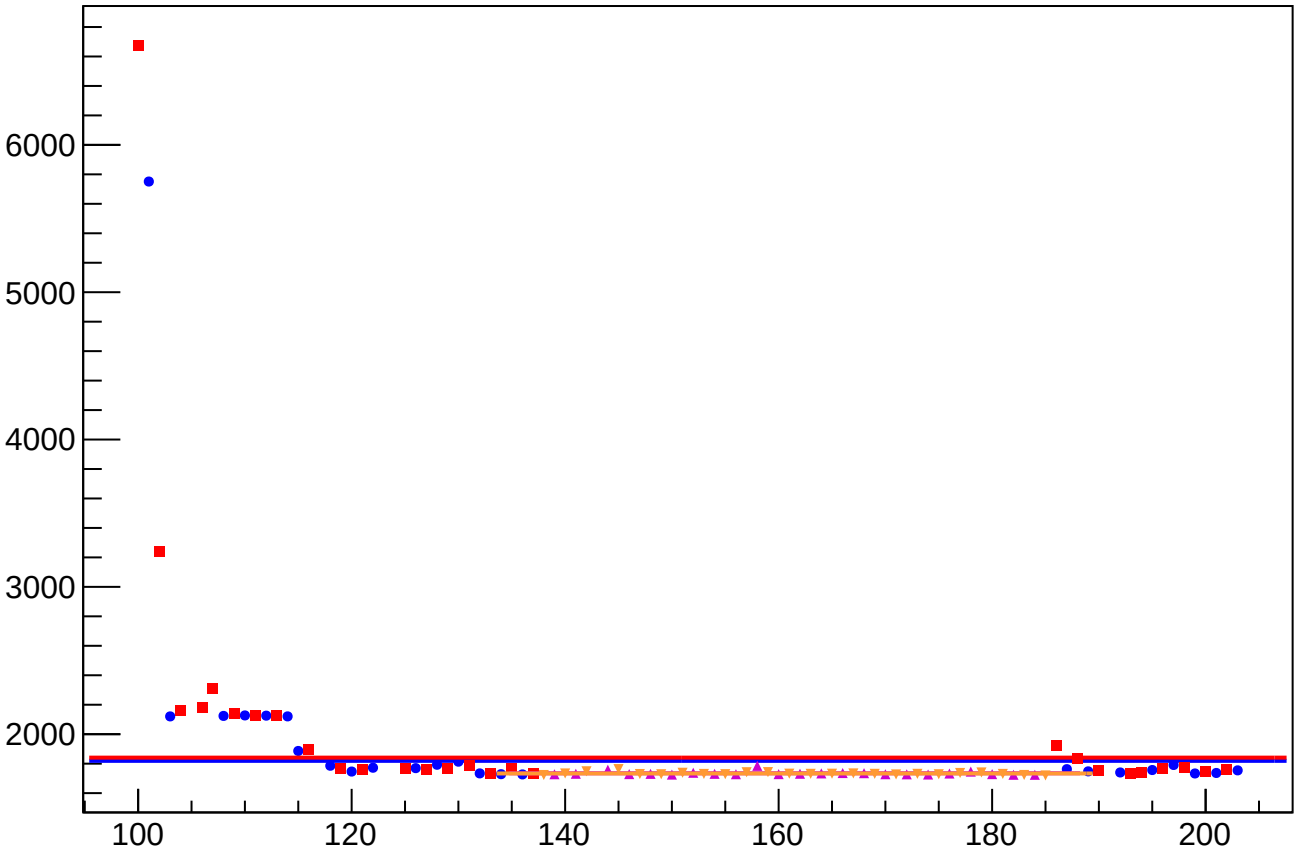
Right: 674.466+/-0.098 χ^2/NDF: 6255679.4/50

In: 549.308+/-0.079 χ^2/NDF:14136573.8/46

Out: 472.800+/-0.072 χ^2/NDF:21069831.5/50

All: 507.616+/-0.053 χ^2/NDF: 35716152.2/97


eigen_dit_asym_us_avg_at1lr_avg_dd_mean vs Slug, Sign Corrected
10000
0
−10000
−20000
−30000
−40000
100
120
140
160
180
200
Right In: 378.617+/-507.013 χ²/NDF: 27.1/23
Left Out: -29.392+/-402.317 χ²/NDF:35.4/23
Right Out: -68.953+/-495.484 χ²/NDF: 29.3/26
Left In: 42.465+/-405.052 χ²/NDF:19.9/22
Left: 6.293+/-285.443 χ²/NDF: 55.3/46
Right: 149.685+/-354.366 χ²/NDF: 56.8/50
In: 173.426+/-316.462 χ²/NDF:47.3/46
Out: -45.111+/-312.325 χ²/NDF:64.7/50
All: 62.720+/-222.296 χ²/NDF: 112.2/97



Right In: 1819.083+/-0.359 χ^2/NDF: 726607.6/23

Left Out: 1733.478+/-0.284 χ^2/NDF:901.3/23

Right Out: 1840.937+/-0.350 χ^2/NDF: 405724.8/26

Left In: 1734.810+/-0.286 χ^2/NDF:2175.7/22

Left: 1734.140+/-0.202 χ^2/NDF: 3087.9/46

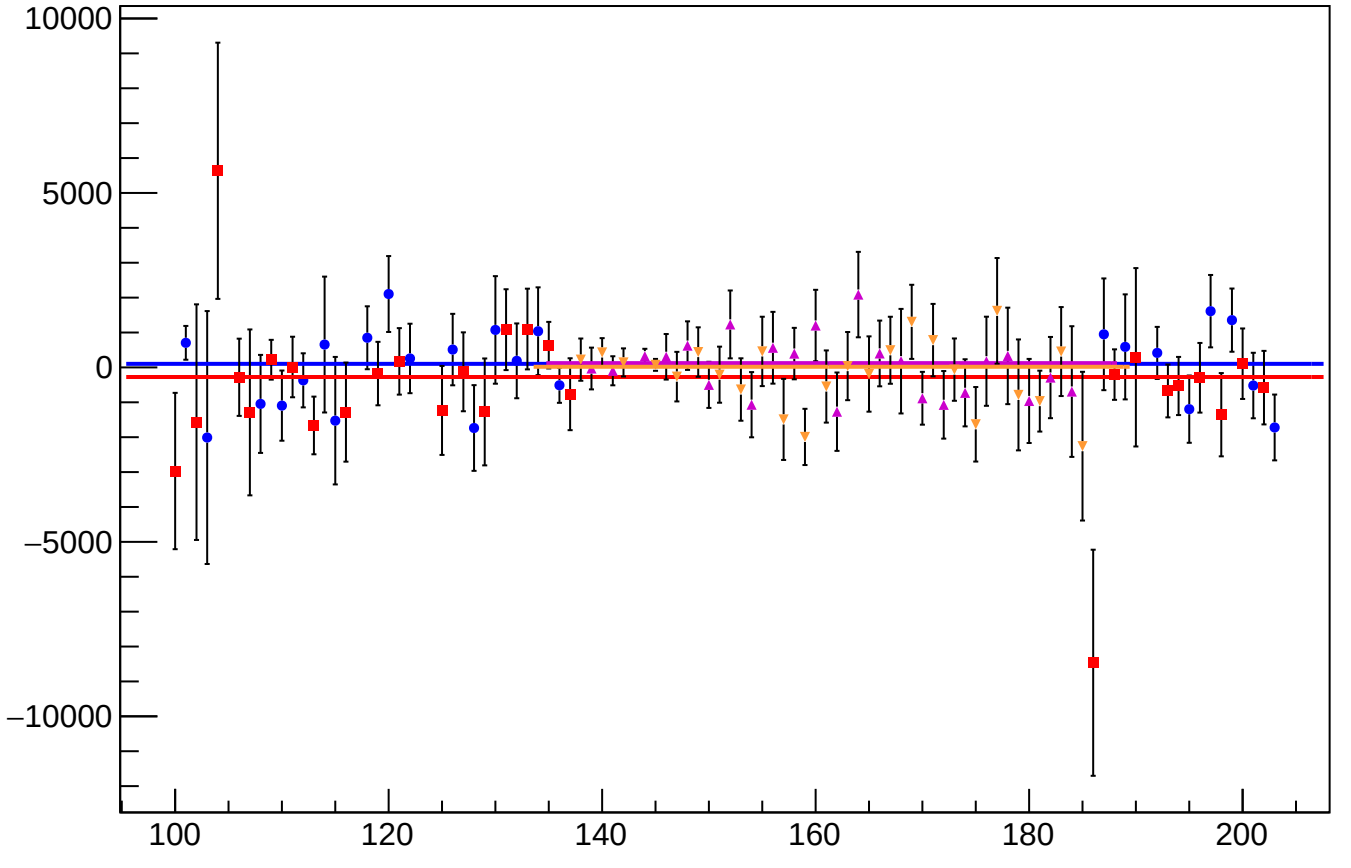
Right: 1830.261+/-0.251 χ^2/NDF: 1134233.0/50

In: 1767.642+/-0.224 χ^2/NDF:762511.5/46

Out: 1776.175+/-0.221 χ^2/NDF:463319.3/50

All: 1771.965+/-0.157 χ^2/NDF: 1226567.6/97

asym_us_avg_at1lr_avg_dd_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: 102.075+/-193.389 χ^2/NDF: 24.7/23

Left Out: 18.026+/-119.333 χ^2/NDF:19.4/23

Right Out: -275.091+/-198.181 χ^2/NDF: 22.5/26

Left In: 121.706+/-137.150 χ^2/NDF:16.5/22

Left: 62.698+/-90.026 χ^2/NDF: 36.2/46

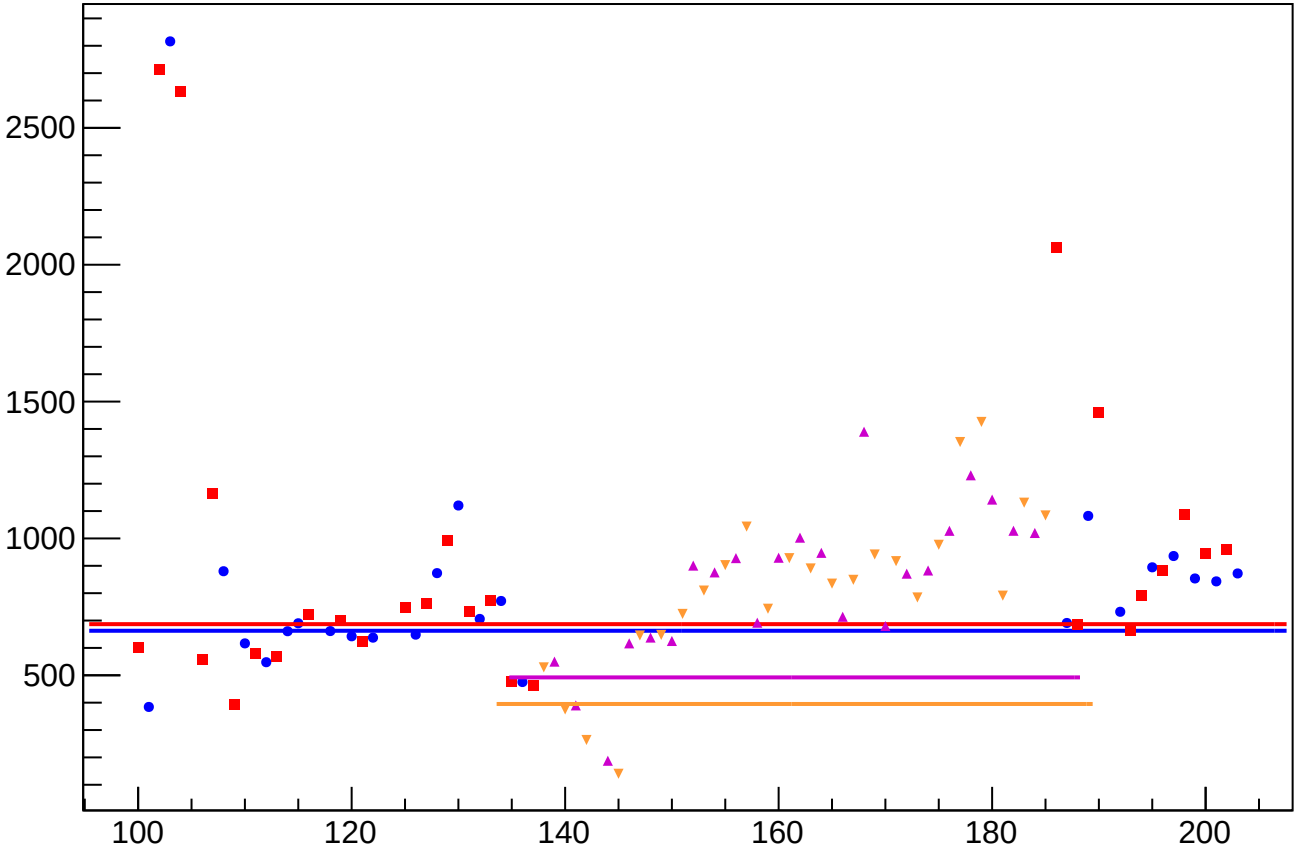
Right: -81.893+/-138.410 χ^2/NDF: 49.1/50

In: 115.136+/-111.872 χ^2/NDF:41.2/46

Out: -59.972+/-102.231 χ^2/NDF:43.6/50

All: 19.713+/-75.467 χ^2/NDF: 86.1/97

asym_us_avg_at1lr_avg_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 662.665+/-0.137 χ^2/NDF: 2684269.7/23

Left Out: 395.188+/-0.084 χ^2/NDF:14334464.6/23

Right Out: 686.854+/-0.140 χ^2/NDF: 3556195.9/26

Left In: 492.295+/-0.097 χ^2/NDF:10419523.2/22

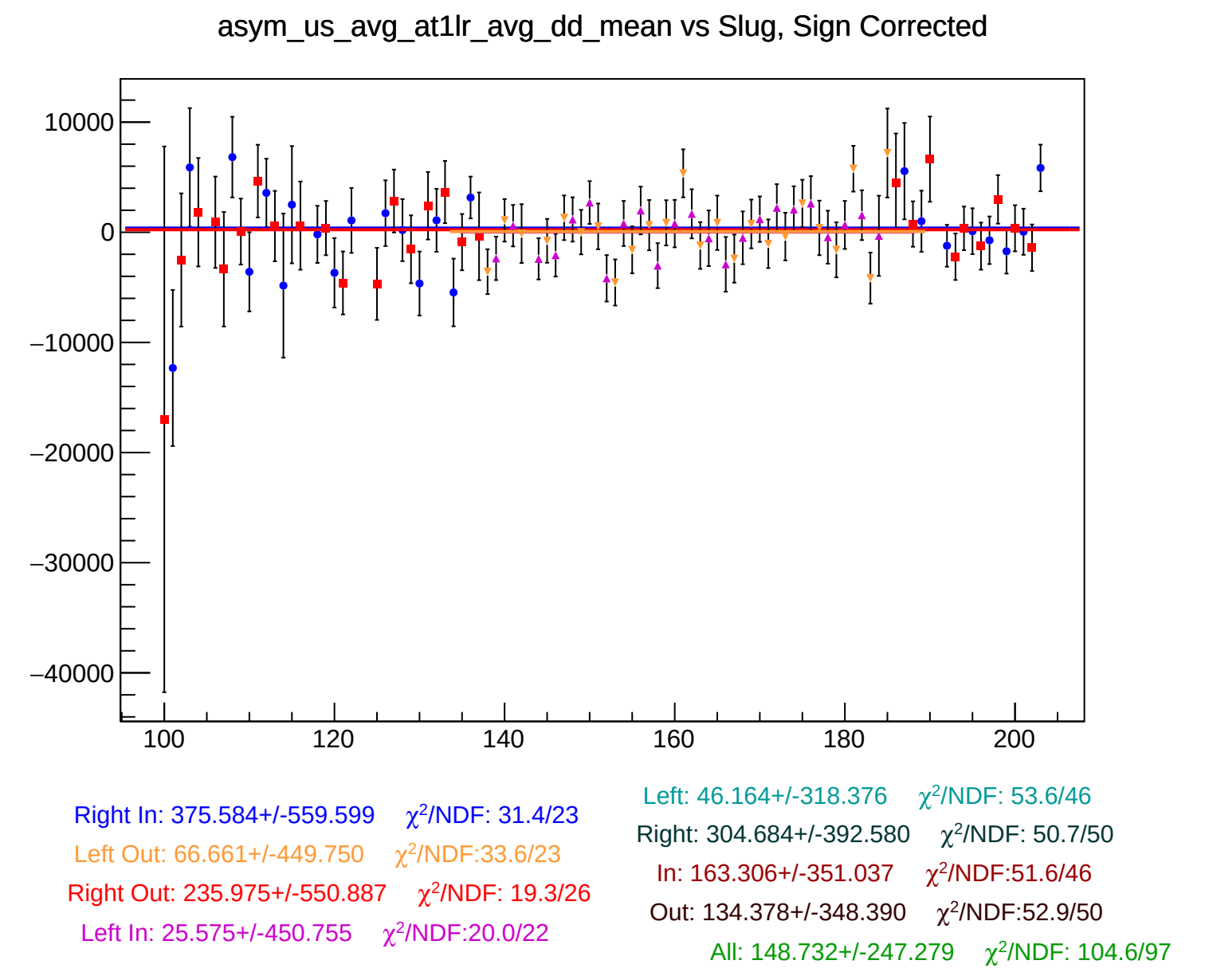
Left: 437.028+/-0.064 χ^2/NDF: 25324612.8/46

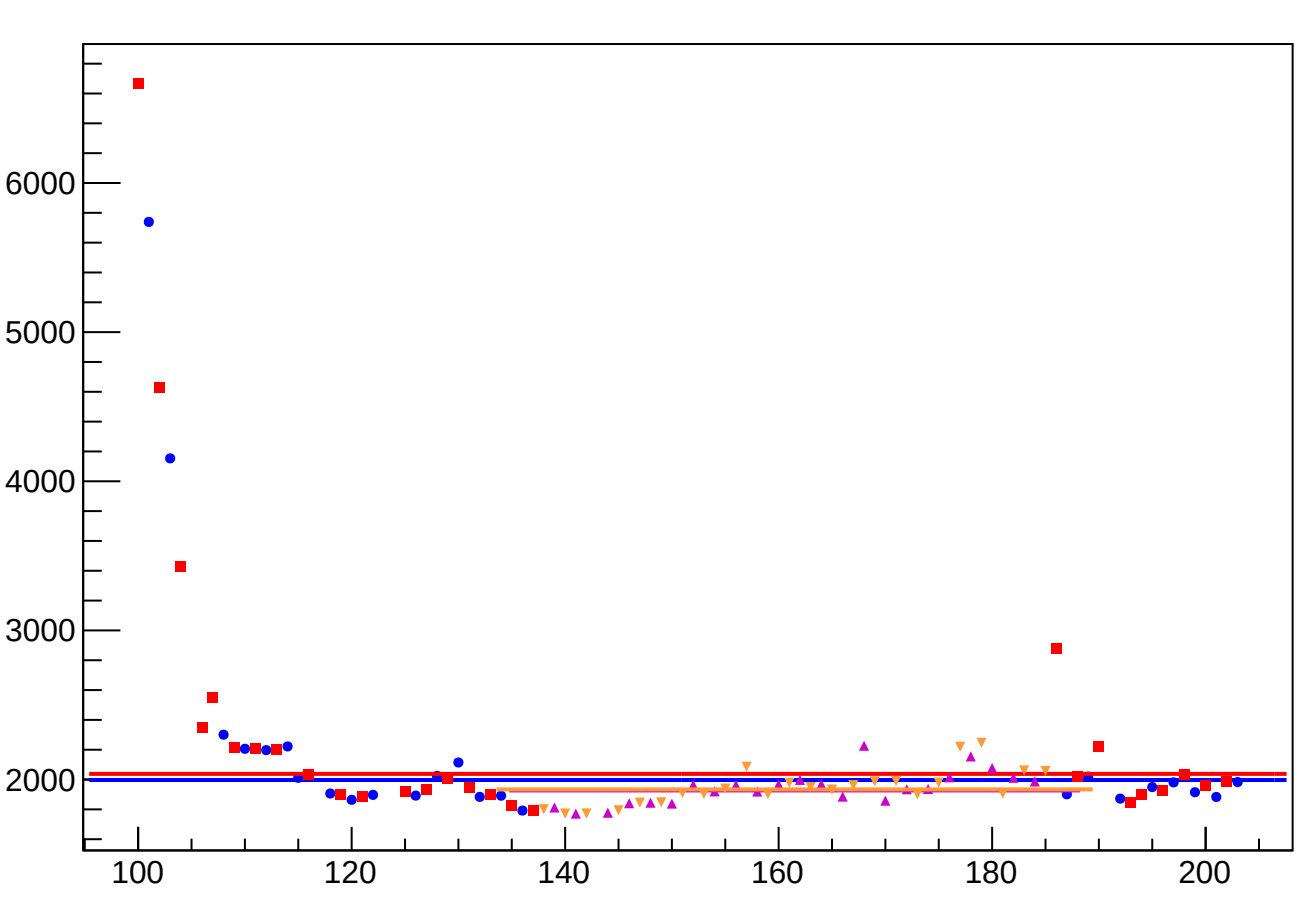
Right: 674.464+/-0.098 χ^2/NDF: 6255726.7/50

In: 549.309+/-0.079 χ^2/NDF:14136579.1/46

Out: 472.799+/-0.072 χ^2/NDF:21069850.9/50

All: 507.616+/-0.053 χ^2/NDF: 35716184.8/97


asym_us_avg_at1lr_avg_dd_mean vs Slug, Sign Corrected
10000
0
−10000
−20000
−30000
−40000
100
120
140
160
180
200
Right In: 375.584+/-559.599 χ²/NDF: 31.4/23
Left Out: 66.661+/-449.750 χ²/NDF:33.6/23
Right Out: 235.975+/-550.887 χ²/NDF: 19.3/26
Left In: 25.575+/-450.755 χ²/NDF:20.0/22
Left: 46.164+/-318.376 χ²/NDF: 53.6/46
Right: 304.684+/-392.580 χ²/NDF: 50.7/50
In: 163.306+/-351.037 χ²/NDF:51.6/46
Out: 134.378+/-348.390 χ²/NDF:52.9/50
All: 148.732+/-247.279 χ²/NDF: 104.6/97



Right In: 1996.928+/-0.396 χ^2/NDF: 972461.6/23

Left Out: 1933.804+/-0.318 χ^2/NDF:128531.8/23

Right Out: 2038.061+/-0.390 χ^2/NDF: 800262.5/26

Left In: 1927.125+/-0.319 χ^2/NDF:116436.1/22

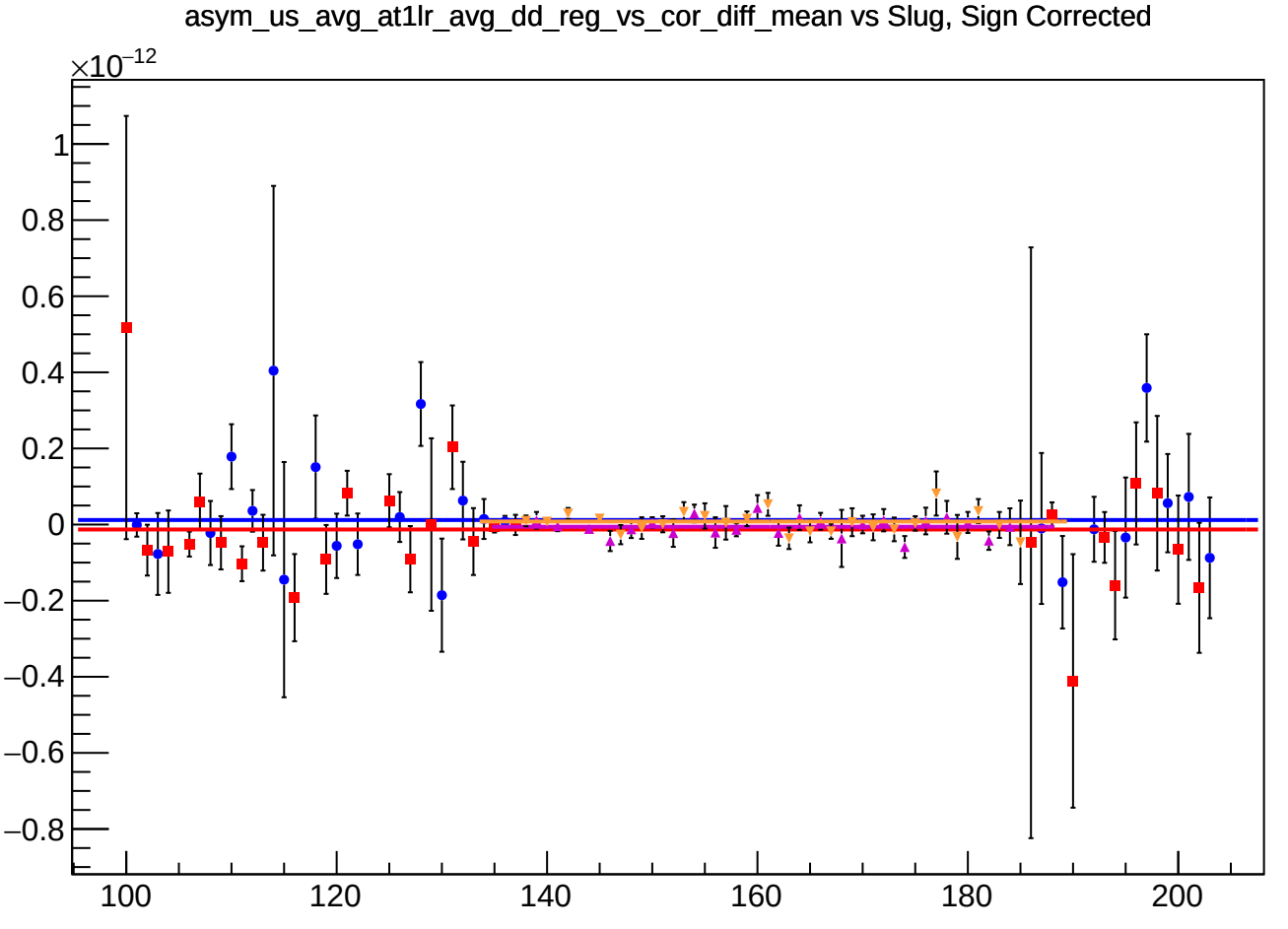
Left: 1930.472+/-0.225 χ^2/NDF: 245187.9/46

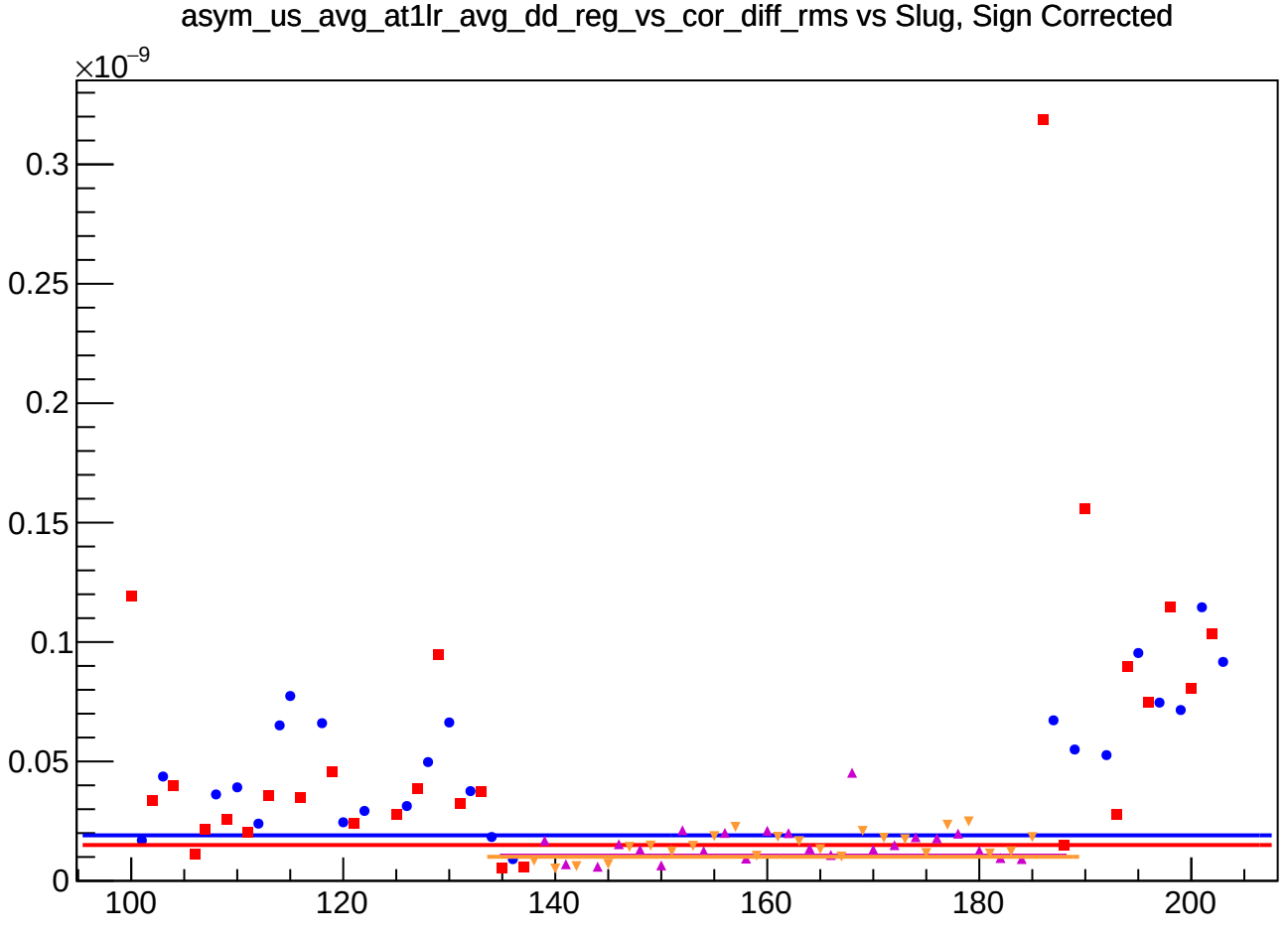
Right: 2017.817+/-0.278 χ^2/NDF: 1778211.6/50

In: 1954.593+/-0.248 χ^2/NDF:1107771.1/46

Out: 1975.502+/-0.246 χ^2/NDF:971777.3/50

All: 1965.127+/-0.175 χ^2/NDF: 2083122.9/97


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: 26.7/23
Left Out: 0.000+/-0.000 χ²/NDF:17.3/23
Right Out: -0.000+/-0.000 χ²/NDF: 26.6/26
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: 56.1/50
In: -0.000+/-0.000 χ²/NDF:45.6/46
Out: 0.000+/-0.000 χ²/NDF:47.7/50
All: 0.000+/-0.000 χ²/NDF: 95.2/97



Right In: 0.000+/-0.000 χ^2/NDF: 4880215.8/23

Left Out: 0.000+/-0.000 χ^2/NDF:2274817.9/23

Right Out: 0.000+/-0.000 χ^2/NDF: 5581455.1/26

Left In: 0.000+/-0.000 χ^2/NDF:2578668.0/22

Left: 0.000+/-0.000 χ^2/NDF: 4866060.2/46

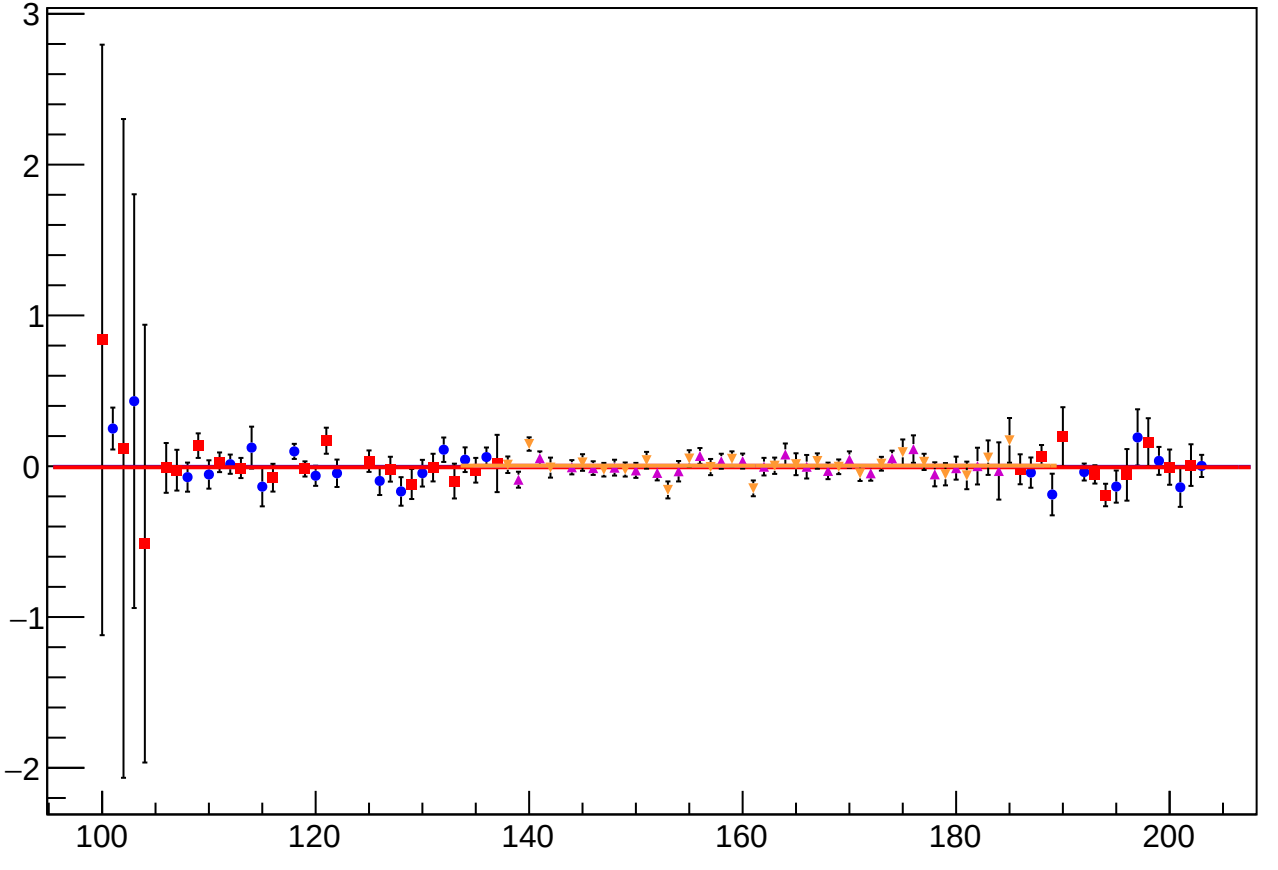
Right: 0.000+/-0.000 χ^2/NDF: 10608497.5/50

In: 0.000+/-0.000 χ^2/NDF:8437590.9/46

Out: 0.000+/-0.000 χ^2/NDF:8269152.8/50

All: 0.000+/-0.000 χ^2/NDF: 16753225.6/97

asym_us_avg_at1lr_avg_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.004+/-0.018 χ^2/NDF: 25.1/23

Left Out: 0.004+/-0.012 χ^2/NDF:35.0/23

Right Out: -0.007+/-0.018 χ^2/NDF: 20.6/26

Left In: 0.003+/-0.012 χ^2/NDF:14.5/22

Left: 0.003+/-0.008 χ^2/NDF: 49.5/46

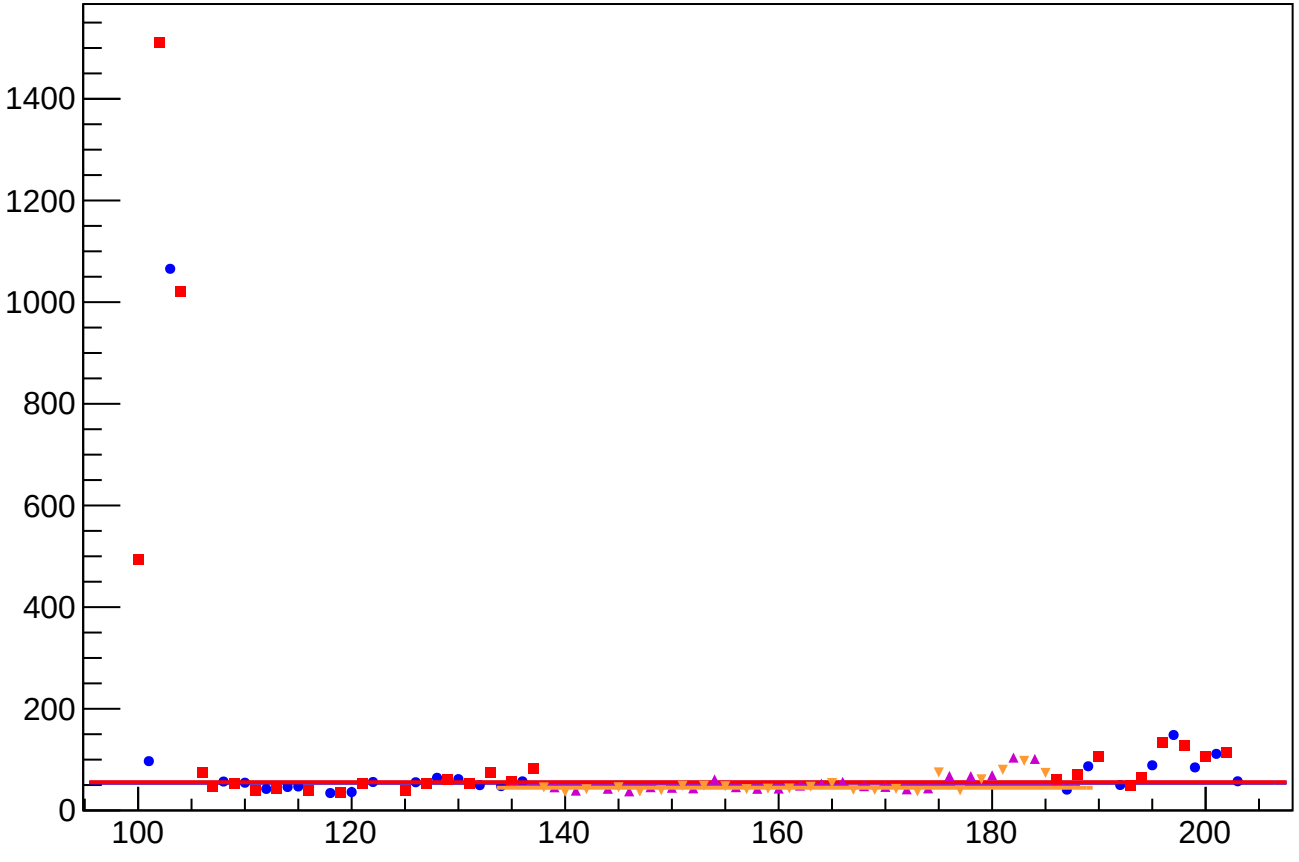
Right: -0.006+/-0.013 χ^2/NDF: 45.7/50

In: 0.001+/-0.010 χ^2/NDF:39.6/46

Out: 0.001+/-0.010 χ^2/NDF:55.9/50

All: 0.001+/-0.007 χ^2/NDF: 95.6/97

asym_us_avg_at1lr_avg_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 54.603+/-0.012 χ^2/NDF: 3371603.7/23

Left Out: 44.733+/-0.008 χ^2/NDF:1481436.4/23

Right Out: 55.476+/-0.013 χ^2/NDF: 4529055.9/26

Left In: 47.033+/-0.008 χ^2/NDF:1383050.4/22

Left: 45.841+/-0.006 χ^2/NDF: 2902954.4/46

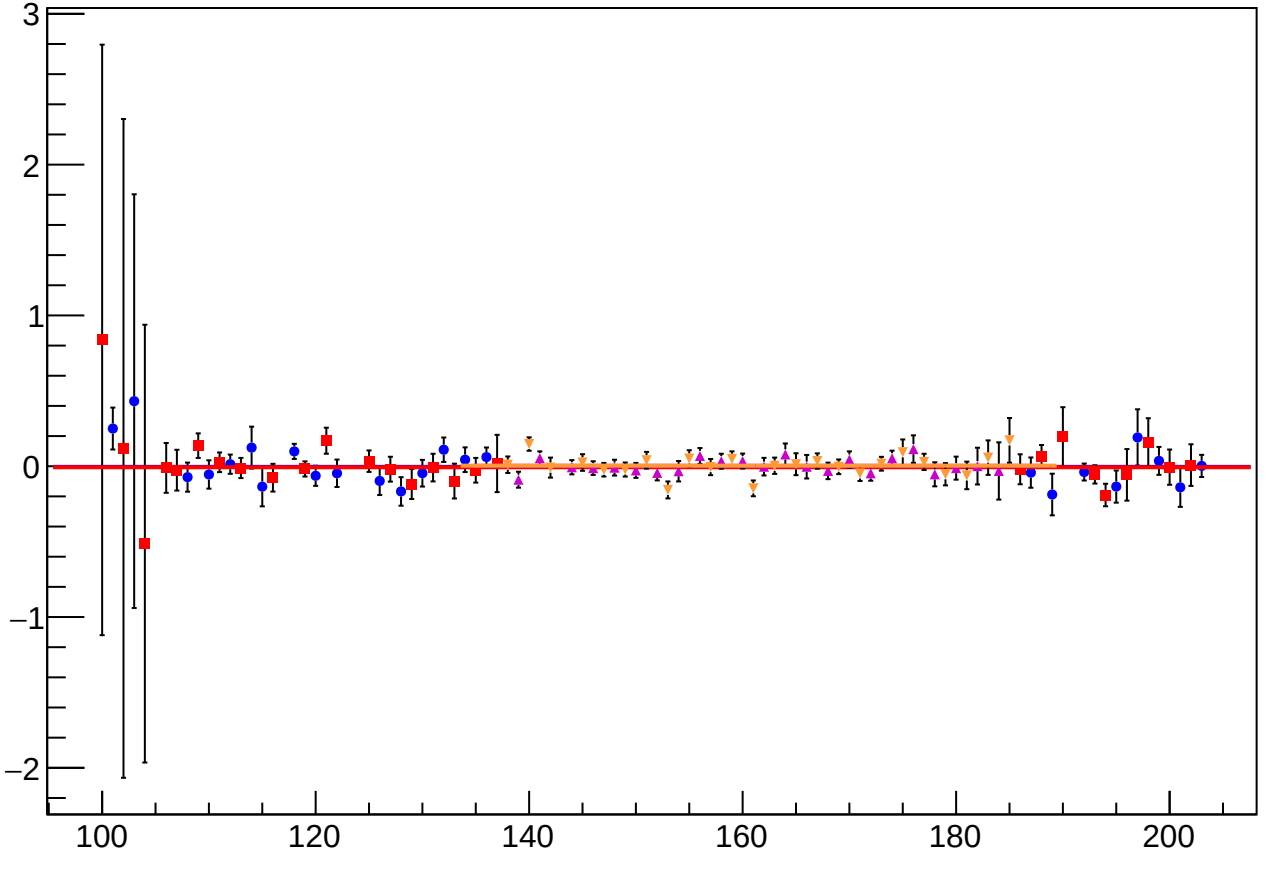
Right: 55.032+/-0.009 χ^2/NDF: 7903077.8/50

In: 49.417+/-0.007 χ^2/NDF:5007795.0/46

Out: 47.874+/-0.007 χ^2/NDF:6520238.4/50

All: 48.629+/-0.005 χ^2/NDF: 11552908.6/97

asym_us_avg_at1lr_avg_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.004+/-0.018 χ^2/NDF: 25.1/23

Left Out: 0.004+/-0.012 χ^2/NDF:35.0/23

Right Out: -0.007+/-0.018 χ^2/NDF: 20.6/26

Left In: 0.003+/-0.012 χ^2/NDF:14.5/22

Left: 0.003+/-0.008 χ^2/NDF: 49.5/46

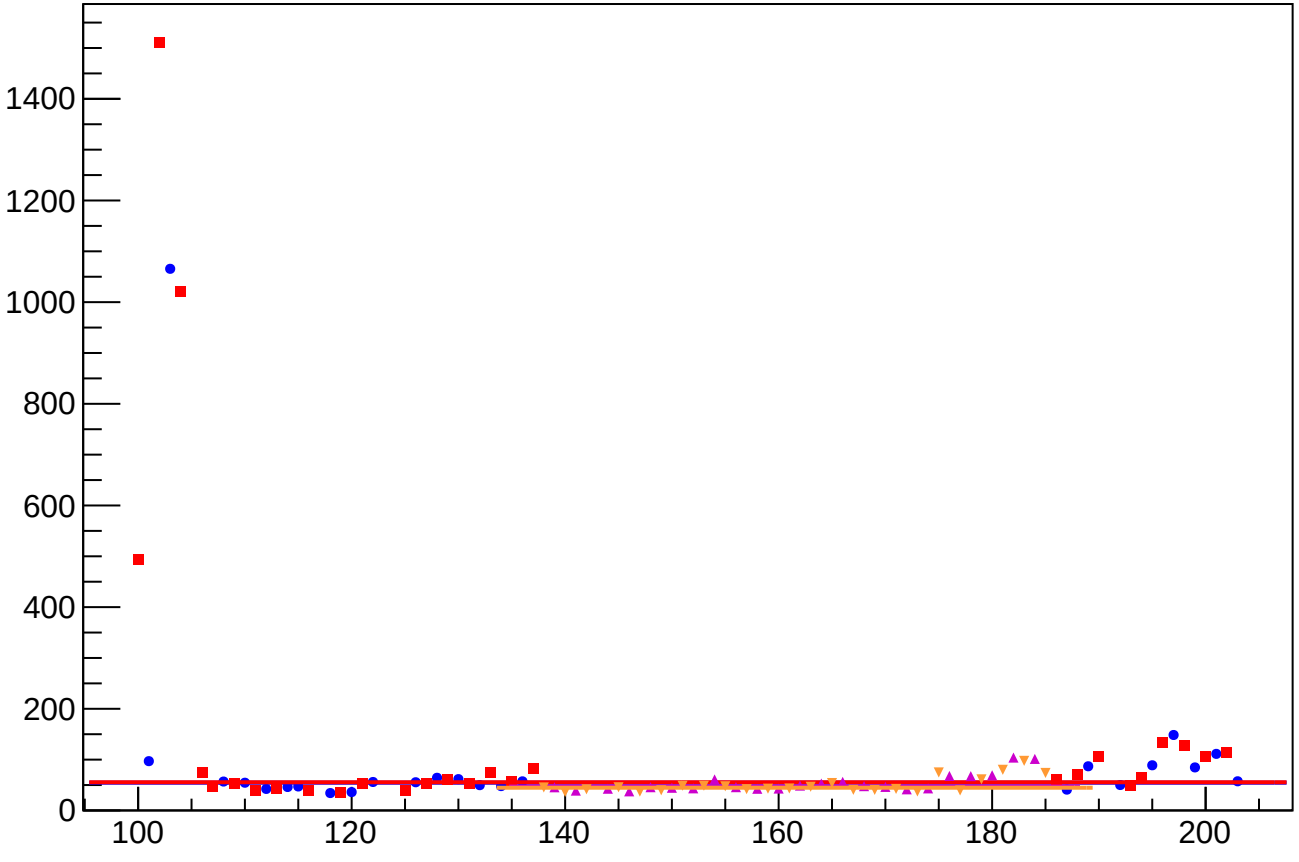
Right: -0.006+/-0.013 χ^2/NDF: 45.7/50

In: 0.001+/-0.010 χ^2/NDF:39.6/46

Out: 0.001+/-0.010 χ^2/NDF:55.9/50

All: 0.001+/-0.007 χ^2/NDF: 95.6/97

asym_us_avg_at1lr_avg_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 54.603+/-0.012 χ^2/NDF: 3371603.7/23

Left Out: 44.733+/-0.008 χ^2/NDF:1481436.4/23

Right Out: 55.476+/-0.013 χ^2/NDF: 4529055.9/26

Left In: 47.033+/-0.008 χ^2/NDF:1383050.4/22

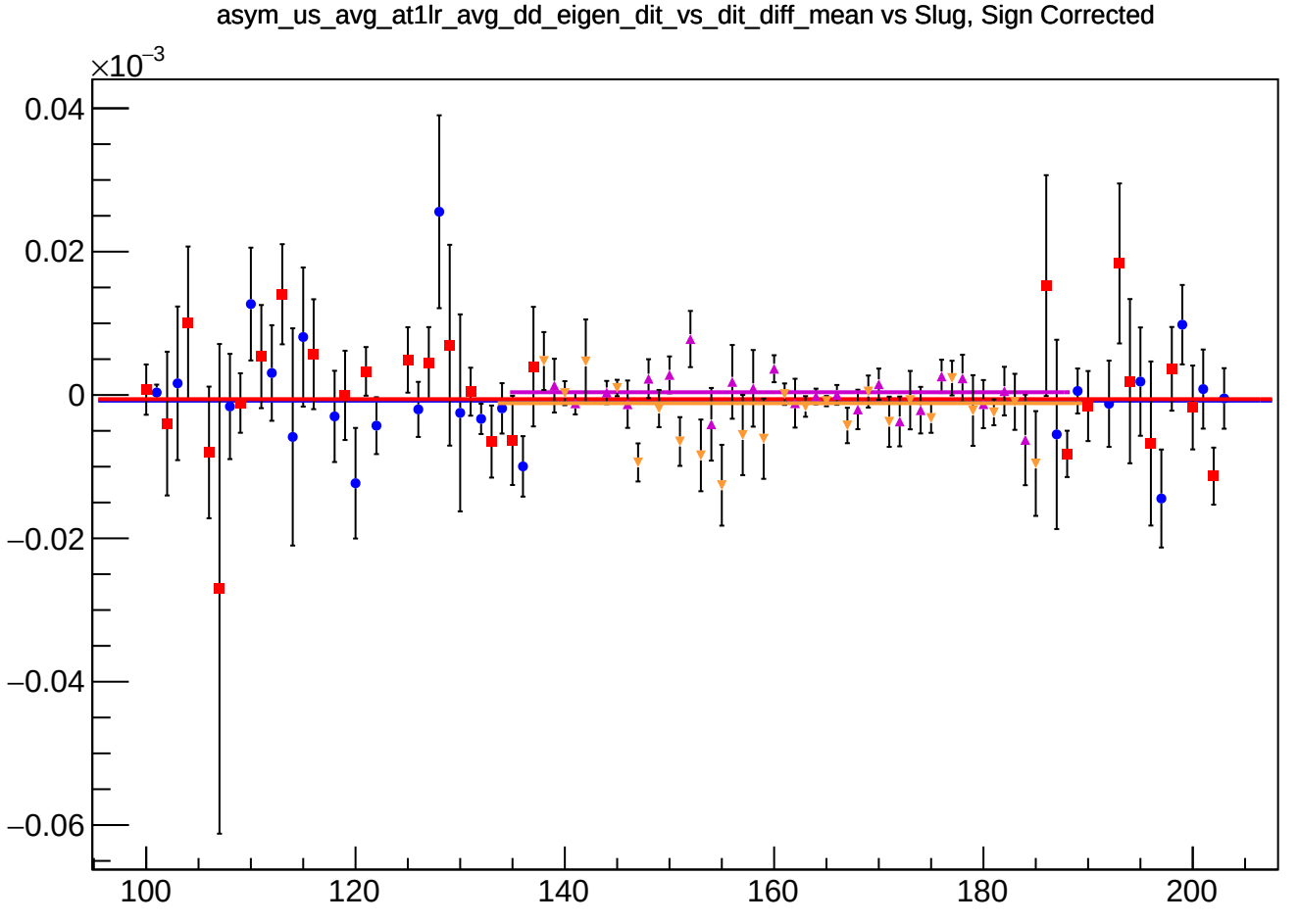
Left: 45.841+/-0.006 χ^2/NDF: 2902954.4/46

Right: 55.032+/-0.009 χ^2/NDF: 7903077.8/50

In: 49.417+/-0.007 χ^2/NDF:5007795.0/46

Out: 47.874+/-0.007 χ^2/NDF:6520238.4/50

All: 48.629+/-0.005 χ^2/NDF: 11552908.6/97



Right In: -0.000+/-0.000 χ^2/NDF: 26.9/23

Left Out: -0.000+/-0.000 χ^2/NDF:35.7/23

Right Out: -0.000+/-0.000 χ^2/NDF: 32.7/26

Left In: 0.000+/-0.000 χ^2/NDF:16.3/22

Left: -0.000+/-0.000 χ^2/NDF: 57.8/46

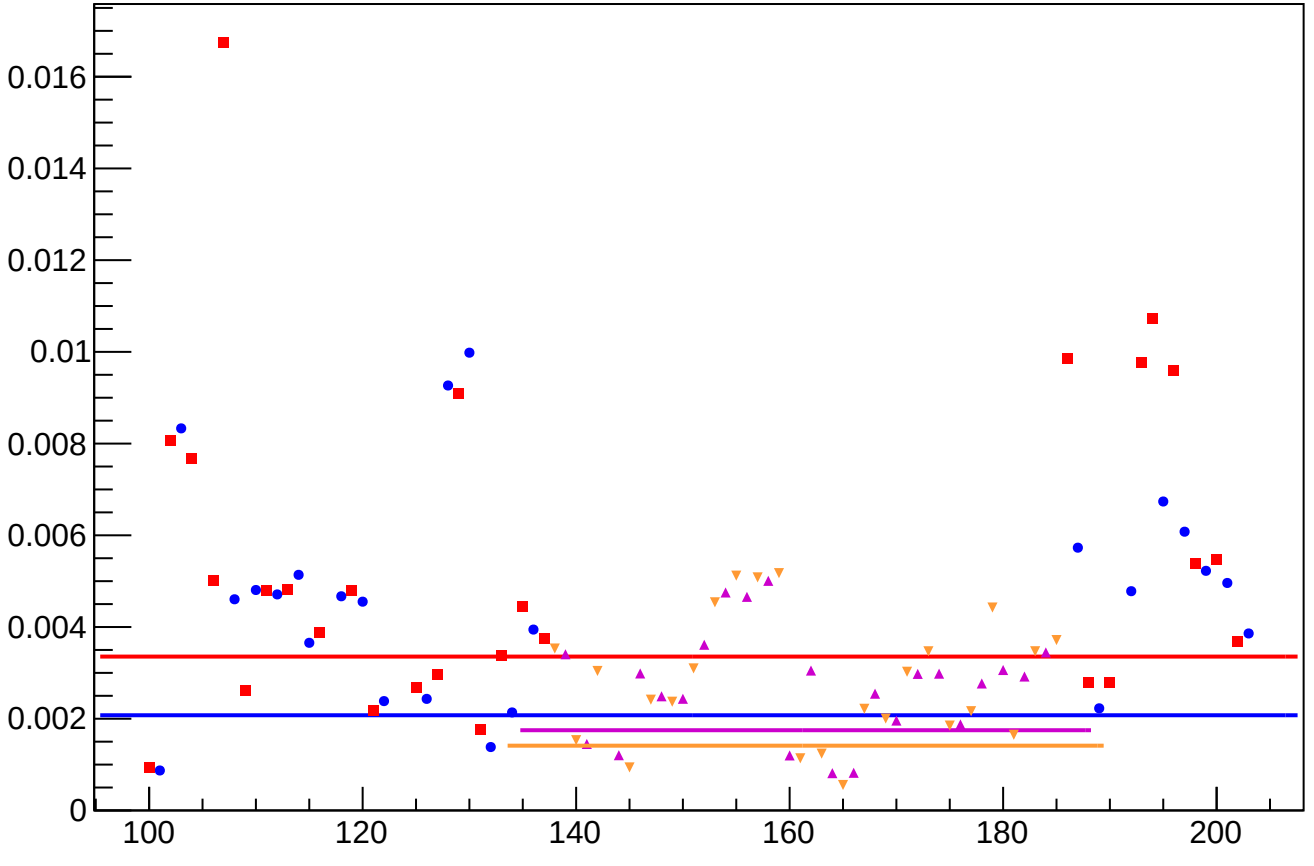
Right: -0.000+/-0.000 χ^2/NDF: 59.6/50

In: 0.000+/-0.000 χ^2/NDF:44.9/46

Out: -0.000+/-0.000 χ^2/NDF:68.6/50

All: -0.000+/-0.000 χ^2/NDF: 117.4/97

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: 9975449.0/23

Left Out: 0.001+/-0.000 χ^2/NDF:11586658.8/23

Right Out: 0.003+/-0.000 χ^2/NDF: 6621674.2/26

Left In: 0.002+/-0.000 χ^2/NDF:8238945.3/22

Left: 0.002+/-0.000 χ^2/NDF: 20381149.0/46

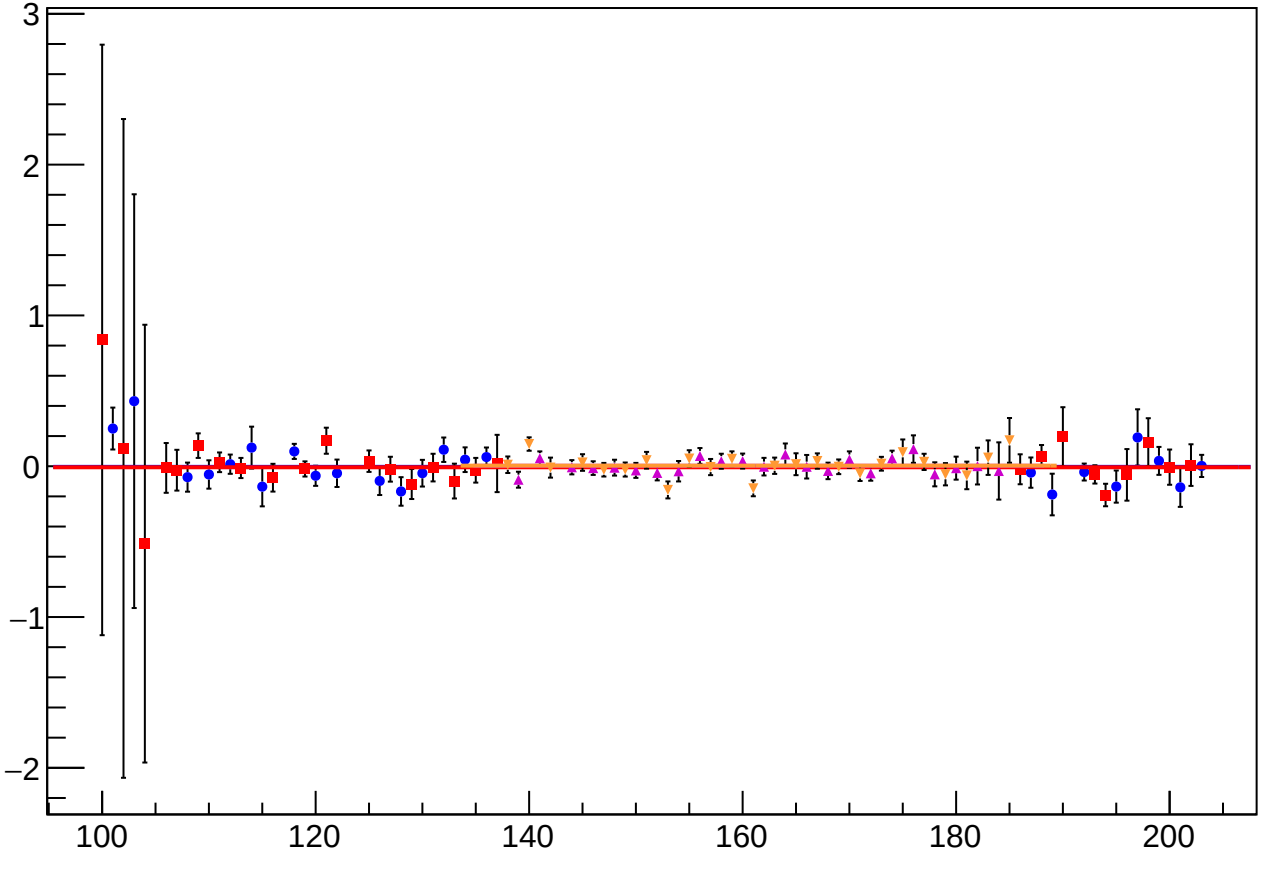
Right: 0.003+/-0.000 χ^2/NDF: 18525384.8/50

In: 0.002+/-0.000 χ^2/NDF:18476611.6/46

Out: 0.002+/-0.000 χ^2/NDF:24042901.7/50

All: 0.002+/-0.000 χ^2/NDF: 42727775.4/97

asym_us_avg_at1lr_avg_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.004+/-0.018 χ^2/NDF: 25.1/23

Left Out: 0.004+/-0.012 χ^2/NDF:35.0/23

Right Out: -0.007+/-0.018 χ^2/NDF: 20.6/26

Left In: 0.003+/-0.012 χ^2/NDF:14.5/22

Left: 0.003+/-0.008 χ^2/NDF: 49.5/46

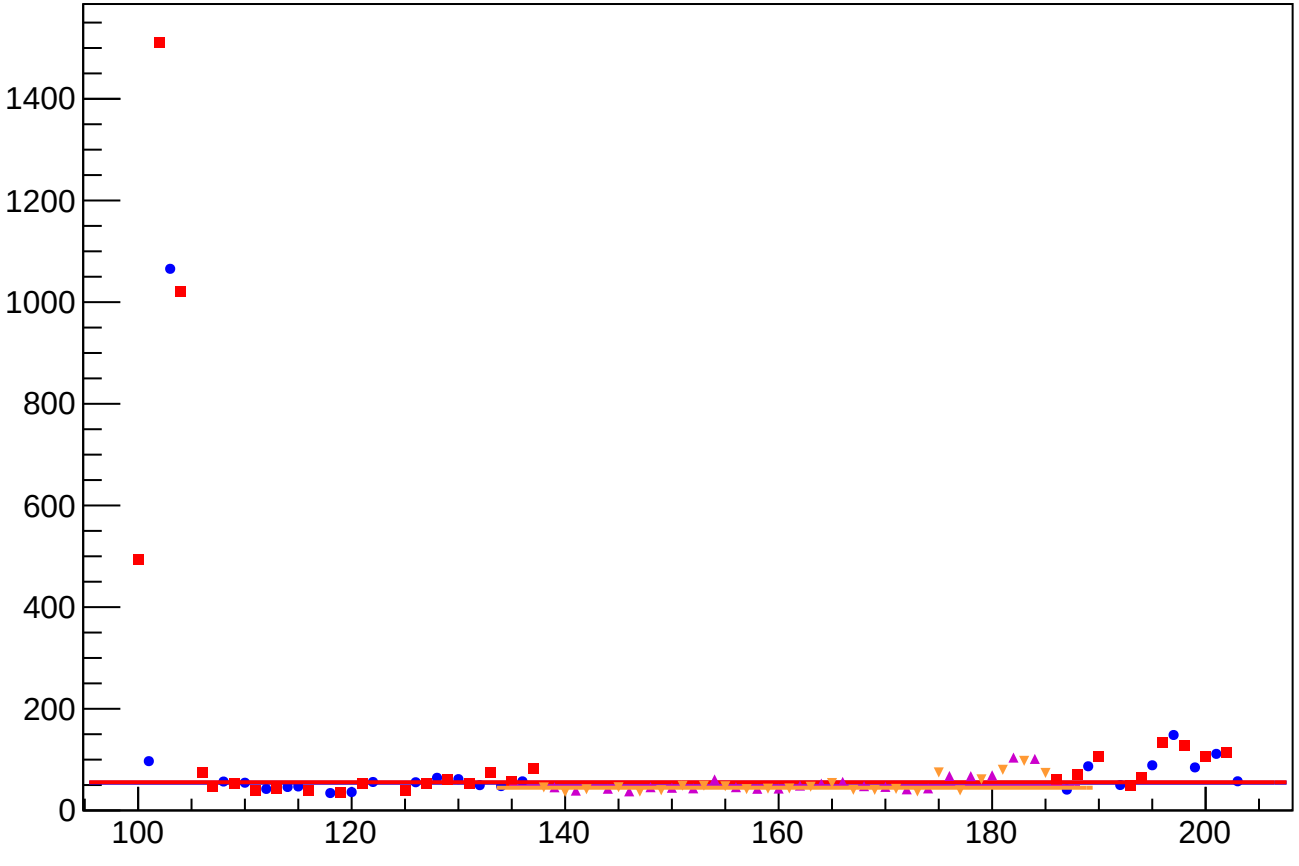
Right: -0.006+/-0.013 χ^2/NDF: 45.7/50

In: 0.001+/-0.010 χ^2/NDF:39.6/46

Out: 0.001+/-0.010 χ^2/NDF:55.9/50

All: 0.001+/-0.007 χ^2/NDF: 95.6/97

asym_us_avg_at1lr_avg_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 54.602+/-0.012 χ^2/NDF: 3371577.0/23

Left Out: 44.733+/-0.008 χ^2/NDF:1481436.0/23

Right Out: 55.475+/-0.013 χ^2/NDF: 4529187.2/26

Left In: 47.033+/-0.008 χ^2/NDF:1383121.1/22

Left: 45.840+/-0.006 χ^2/NDF: 2903011.0/46

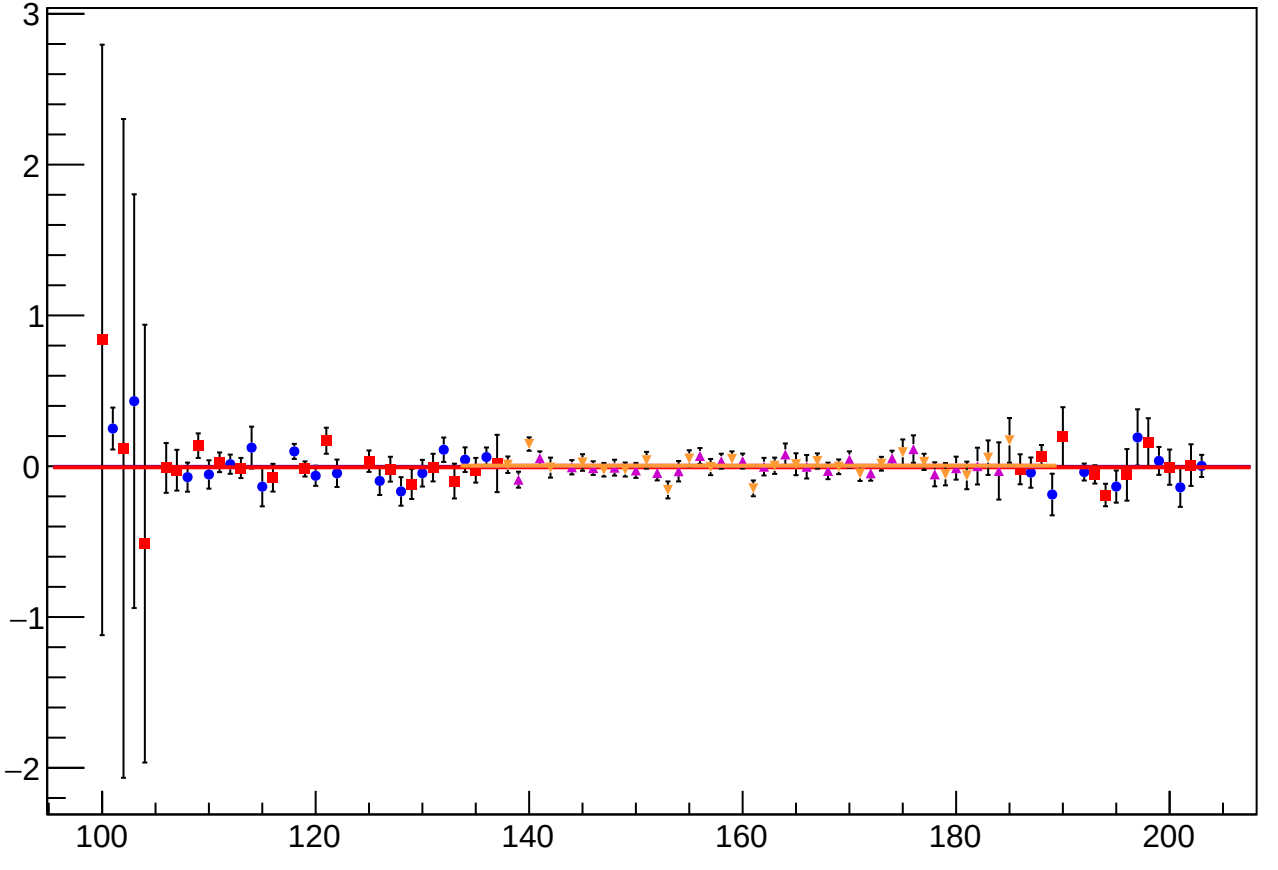
Right: 55.032+/-0.009 χ^2/NDF: 7903179.5/50

In: 49.416+/-0.007 χ^2/NDF:5007831.6/46

Out: 47.874+/-0.007 χ^2/NDF:6520274.0/50

All: 48.629+/-0.005 χ^2/NDF: 11552974.6/97

asym_us_avg_at1lr_avg_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.004+/-0.018 χ^2/NDF: 25.1/23

Left Out: 0.004+/-0.012 χ^2/NDF:35.0/23

Right Out: -0.007+/-0.018 χ^2/NDF: 20.6/26

Left In: 0.003+/-0.012 χ^2/NDF:14.5/22

Left: 0.003+/-0.008 χ^2/NDF: 49.5/46

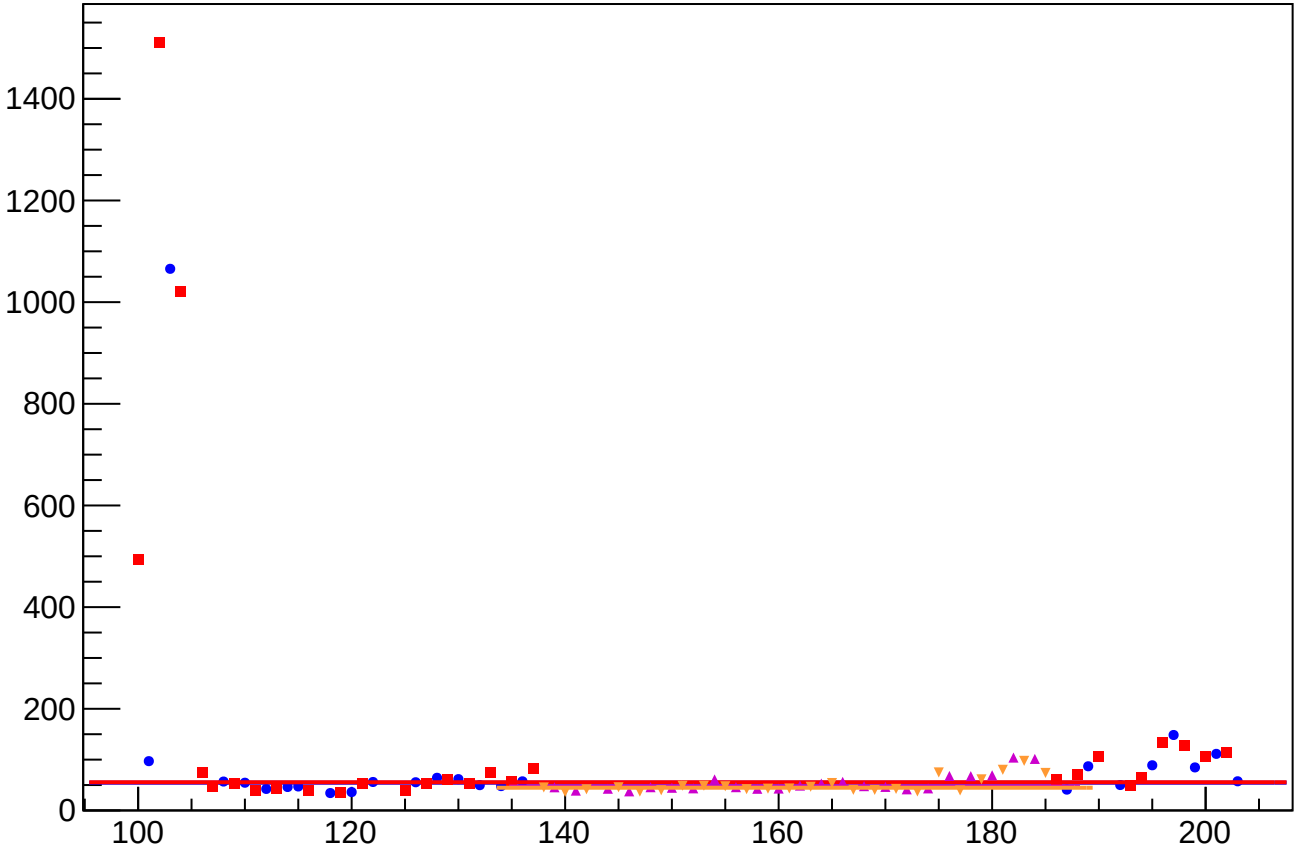
Right: -0.006+/-0.013 χ^2/NDF: 45.7/50

In: 0.001+/-0.010 χ^2/NDF:39.6/46

Out: 0.001+/-0.010 χ^2/NDF:55.9/50

All: 0.001+/-0.007 χ^2/NDF: 95.6/97

asym_us_avg_at1lr_avg_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 54.602+/-0.012 χ^2/NDF: 3371577.0/23

Left Out: 44.733+/-0.008 χ^2/NDF:1481436.0/23

Right Out: 55.475+/-0.013 χ^2/NDF: 4529187.2/26

Left In: 47.033+/-0.008 χ^2/NDF:1383121.1/22

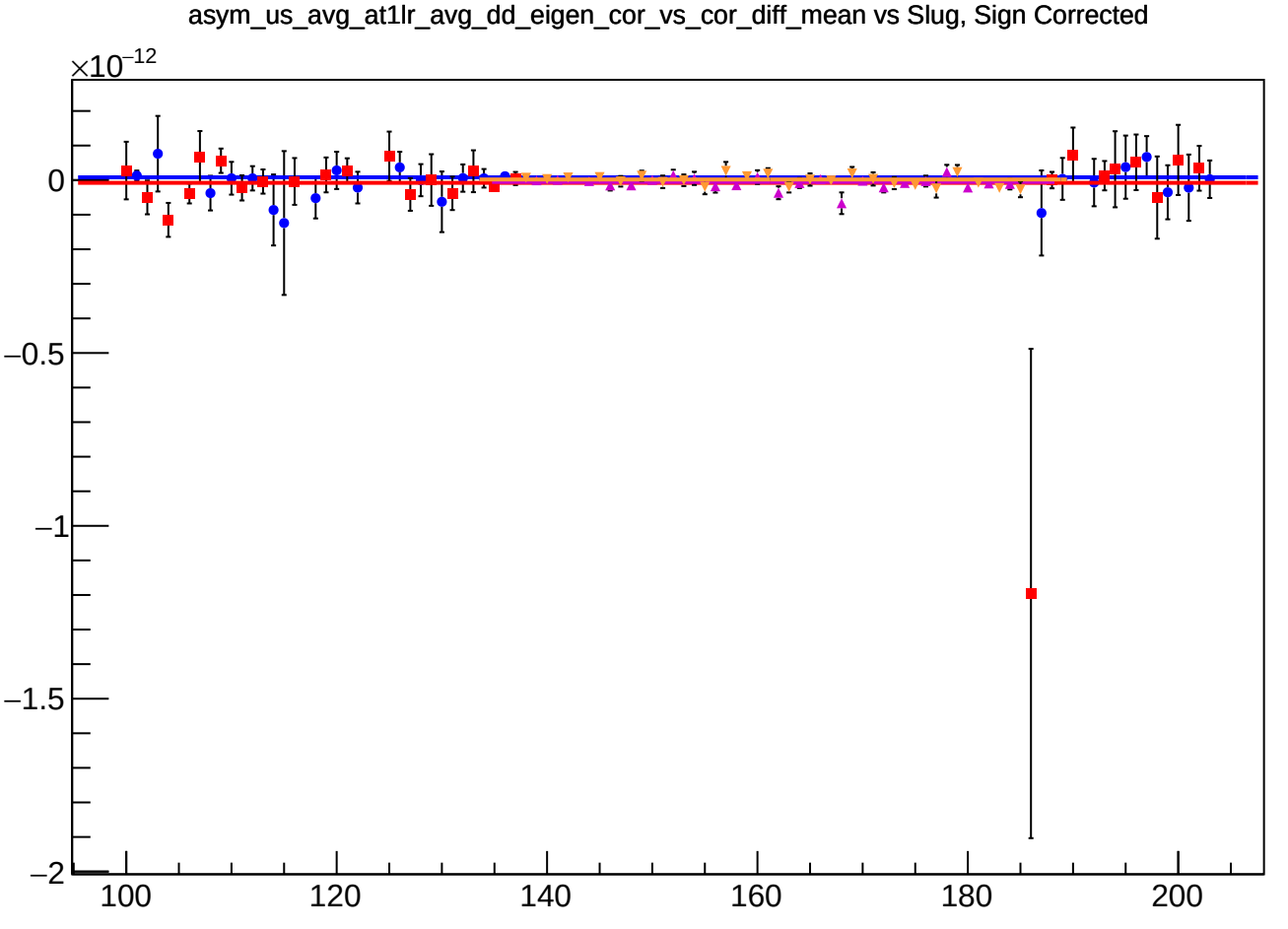
Left: 45.840+/-0.006 χ^2/NDF: 2903011.0/46

Right: 55.032+/-0.009 χ^2/NDF: 7903179.5/50

In: 49.416+/-0.007 χ^2/NDF:5007831.6/46

Out: 47.874+/-0.007 χ^2/NDF:6520274.0/50

All: 48.629+/-0.005 χ^2/NDF: 11552974.6/97



Right In: 0.000+/-0.000 χ^2/NDF: 7.7/23

Left Out: 0.000+/-0.000 χ^2/NDF:20.6/23

Right Out: -0.000+/-0.000 χ^2/NDF: 22.2/26

Left In: -0.000+/-0.000 χ^2/NDF:17.9/22

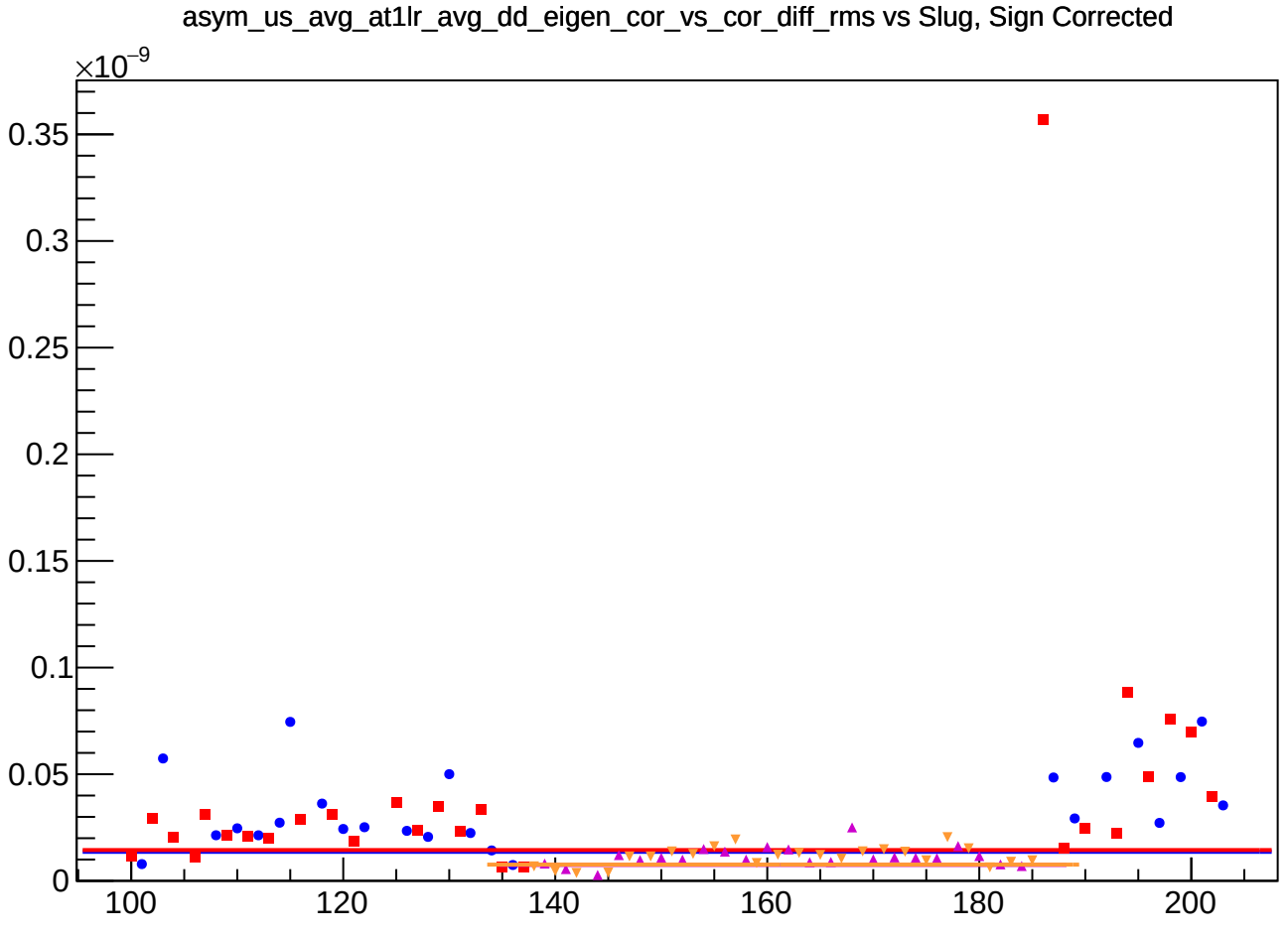
Left: -0.000+/-0.000 χ^2/NDF: 42.7/46

Right: 0.000+/-0.000 χ^2/NDF: 32.8/50

In: -0.000+/-0.000 χ^2/NDF:29.3/46

Out: 0.000+/-0.000 χ^2/NDF:44.7/50

All: -0.000+/-0.000 χ^2/NDF: 75.7/97



Right In: 0.000+/-0.000 χ^2/NDF: 6154975.1/23

Left Out: 0.000+/-0.000 χ^2/NDF:5568430.3/23

Right Out: 0.000+/-0.000 χ^2/NDF: 6315497.9/26

Left In: 0.000+/-0.000 χ^2/NDF:5978033.2/22

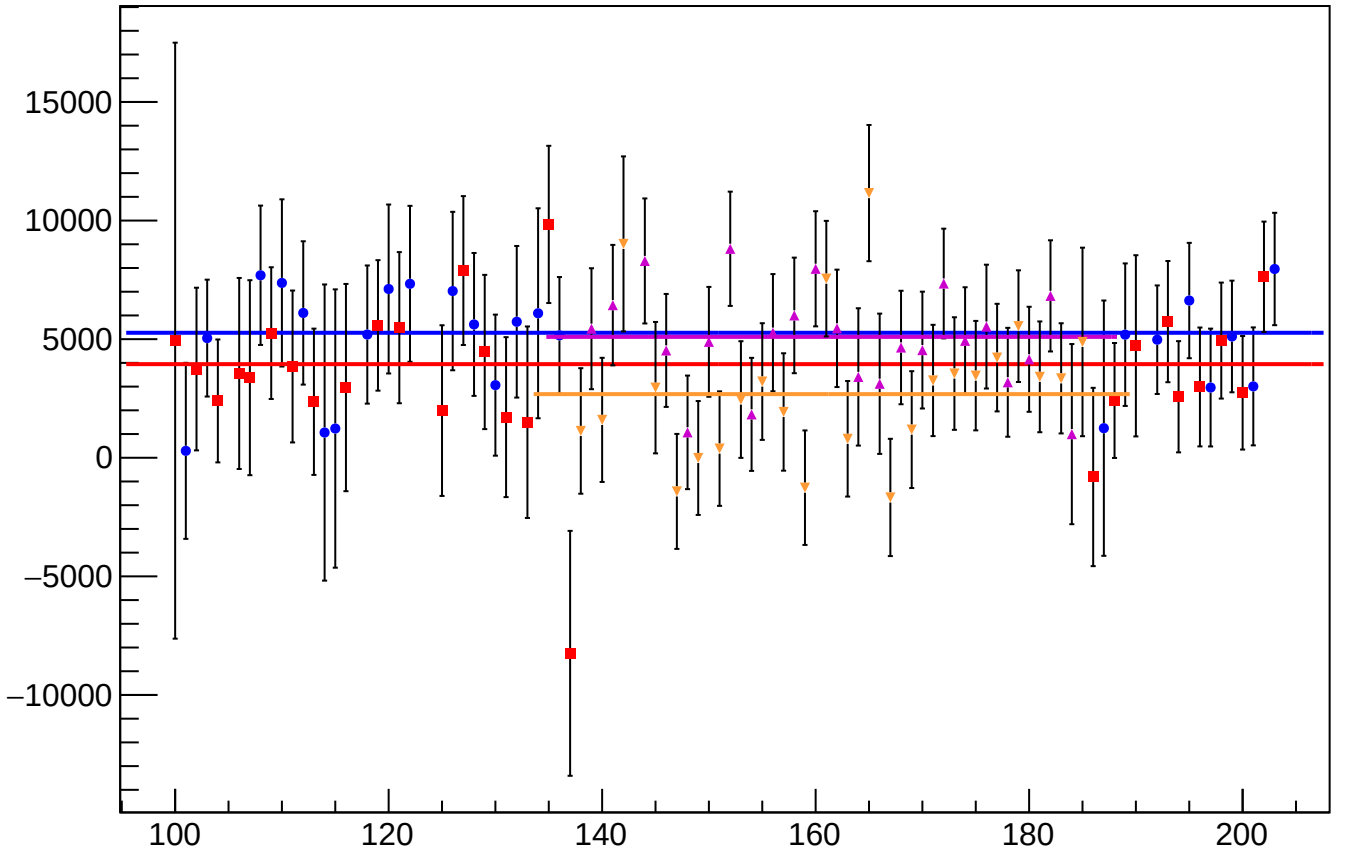
Left: 0.000+/-0.000 χ^2/NDF: 11550721.9/46

Right: 0.000+/-0.000 χ^2/NDF: 12486581.7/50

In: 0.000+/-0.000 χ^2/NDF:13733862.6/46

Out: 0.000+/-0.000 χ^2/NDF:13723992.3/50

All: 0.000+/-0.000 χ^2/NDF: 27465365.9/97



Right In: 5269.183+/-608.278 χ^2/NDF: 9.3/23

Left Out: 2682.870+/-512.020 χ^2/NDF:30.8/23

Right Out: 3946.669+/-591.485 χ^2/NDF: 18.9/26

Left In: 5096.427+/-516.232 χ^2/NDF:14.9/22

Left: 3879.762+/-363.533 χ^2/NDF: 56.8/46

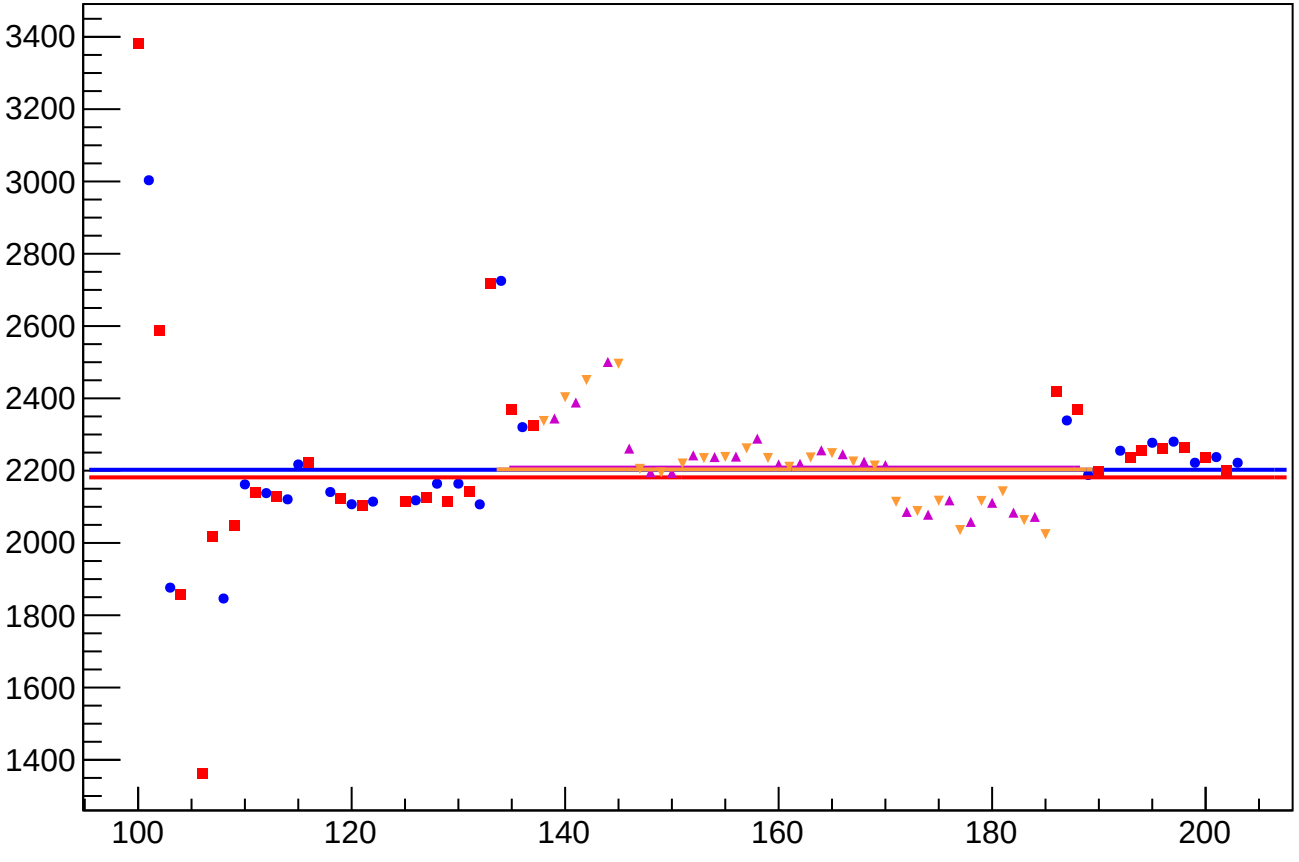
Right: 4589.419+/-424.056 χ^2/NDF: 30.6/50

In: 5168.758+/-393.594 χ^2/NDF:24.3/46

Out: 3224.231+/-387.122 χ^2/NDF:52.4/50

All: 4180.376+/-275.997 χ^2/NDF: 89.0/97

reg_asym_us_avg_at2lr_avg_avg_rms vs Slug, Sign Corrected



Right In: 2202.434+/-0.430 χ^2/NDF: 206015.9/23

Left Out: 2203.297+/-0.362 χ^2/NDF:88208.3/23

Right Out: 2181.431+/-0.415 χ^2/NDF: 311822.6/26

Left In: 2208.379+/-0.365 χ^2/NDF:80994.3/22

Left: 2205.817+/-0.257 χ^2/NDF: 169300.4/46

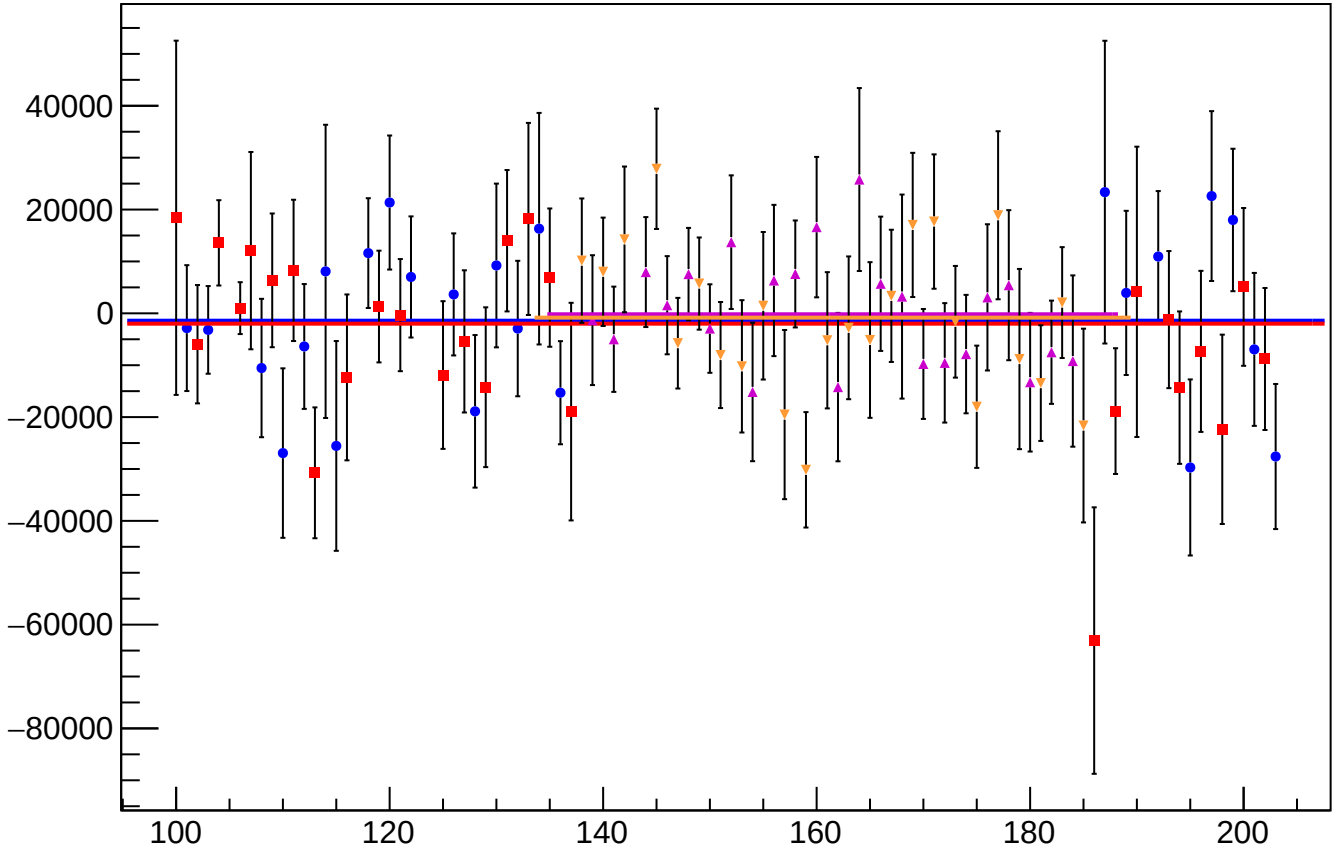
Right: 2191.549+/-0.299 χ^2/NDF: 519074.4/50

In: 2205.890+/-0.278 χ^2/NDF:287121.3/46

Out: 2193.838+/-0.273 χ^2/NDF:401608.7/50

All: 2199.742+/-0.195 χ^2/NDF: 689686.6/97

asym_us_avg_at2lr_avg_avg_reg_correction_mean vs Slug, Sign Corrected



Right In: -1421.752+/-2767.087 χ^2/NDF: 26.8/23

Left Out: -833.485+/-2481.469 χ^2/NDF:29.5/23

Right Out: -1994.403+/-2408.498 χ^2/NDF: 26.7/26

Left In: -182.426+/-2471.223 χ^2/NDF:13.8/22

Left: -506.609+/-1751.030 χ^2/NDF: 43.3/46

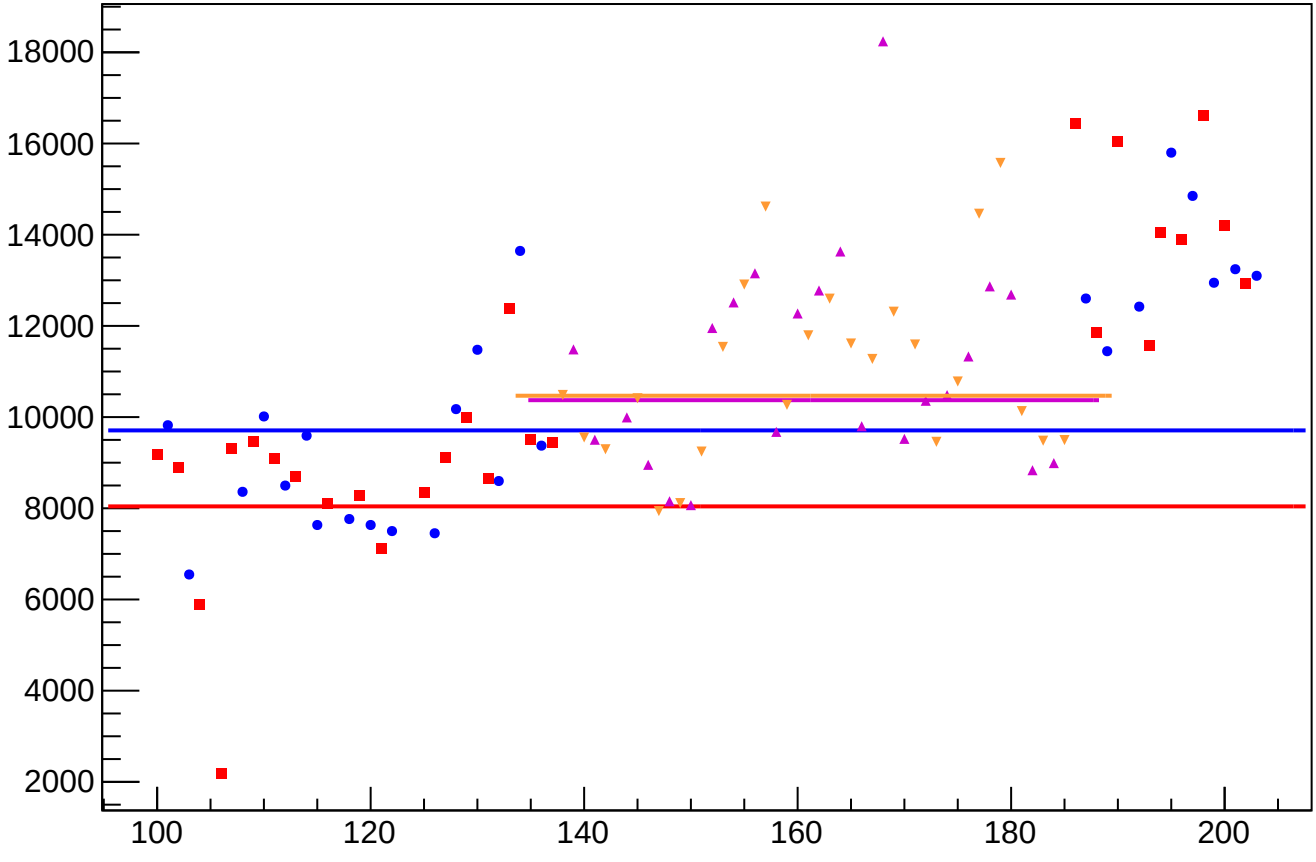
Right: -1747.564+/-1816.706 χ^2/NDF: 53.6/50

In: -732.314+/-1843.176 χ^2/NDF:40.7/46

Out: -1431.264+/-1728.287 χ^2/NDF:56.3/50

All: -1104.250+/-1260.744 χ^2/NDF: 97.1/97

asym_us_avg_at2lr_avg_avg_reg_correction_rms vs Slug, Sign Corrected



Right In: 9708.080+/-1.957 χ^2/NDF: 1648227.0/23

Left Out: 10468.677+/-1.755 χ^2/NDF:1045257.2/23

Right Out: 8041.765+/-1.703 χ^2/NDF: 5519066.2/26

Left In: 10370.895+/-1.747 χ^2/NDF:1203758.1/22

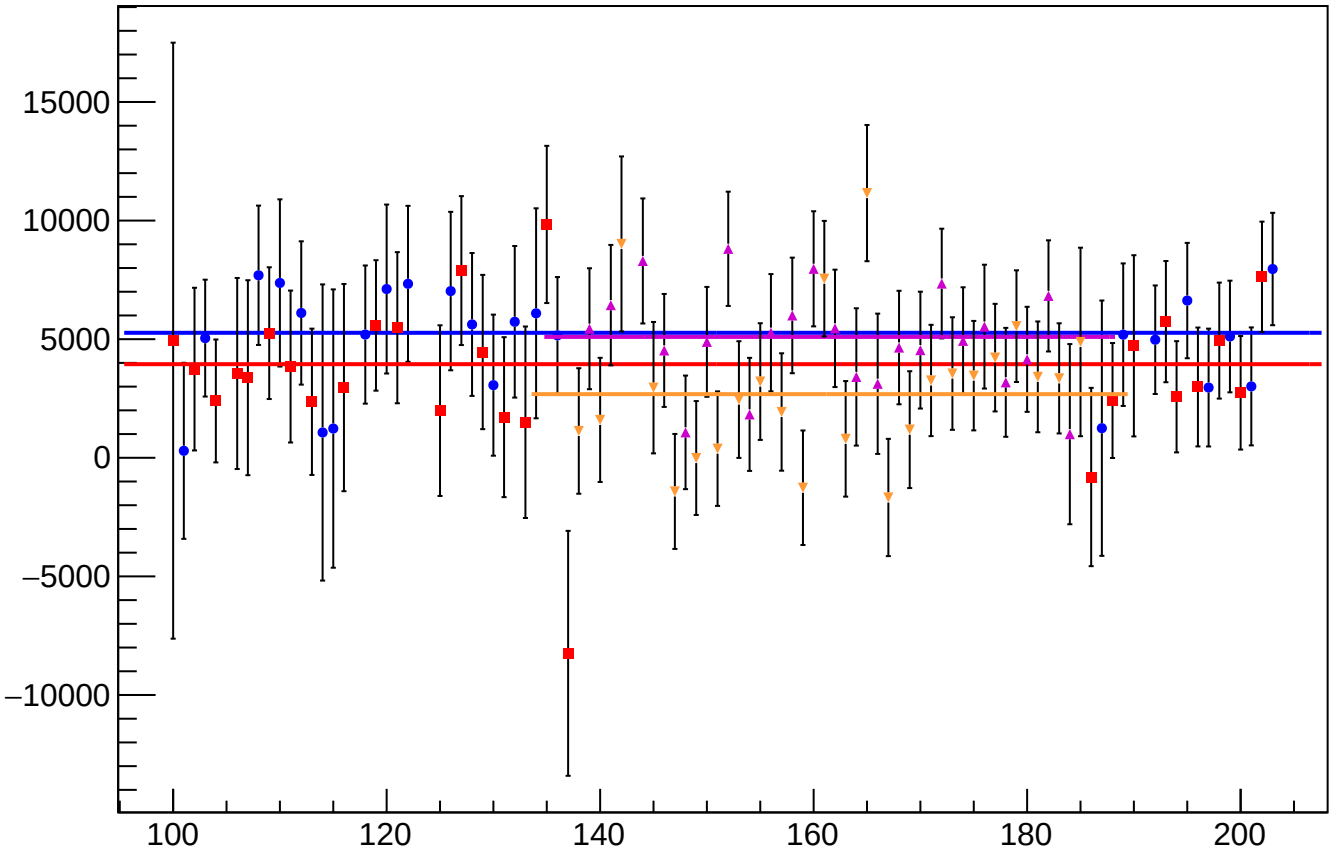
Left: 10419.584+/-1.238 χ^2/NDF: 2250574.4/46

Right: 8760.024+/-1.285 χ^2/NDF: 7579937.3/50

In: 10076.805+/-1.303 χ^2/NDF:2915823.0/46

Out: 9219.013+/-1.222 χ^2/NDF:7549376.0/50

All: 9620.344+/-0.891 χ^2/NDF: 10695704.9/9



Right In: 5269.307+/-608.278 χ^2/NDF: 9.3/23

Left Out: 2682.792+/-512.020 χ^2/NDF:30.8/23

Right Out: 3946.524+/-591.485 χ^2/NDF: 18.9/26

Left In: 5096.334+/-516.232 χ^2/NDF:14.9/22

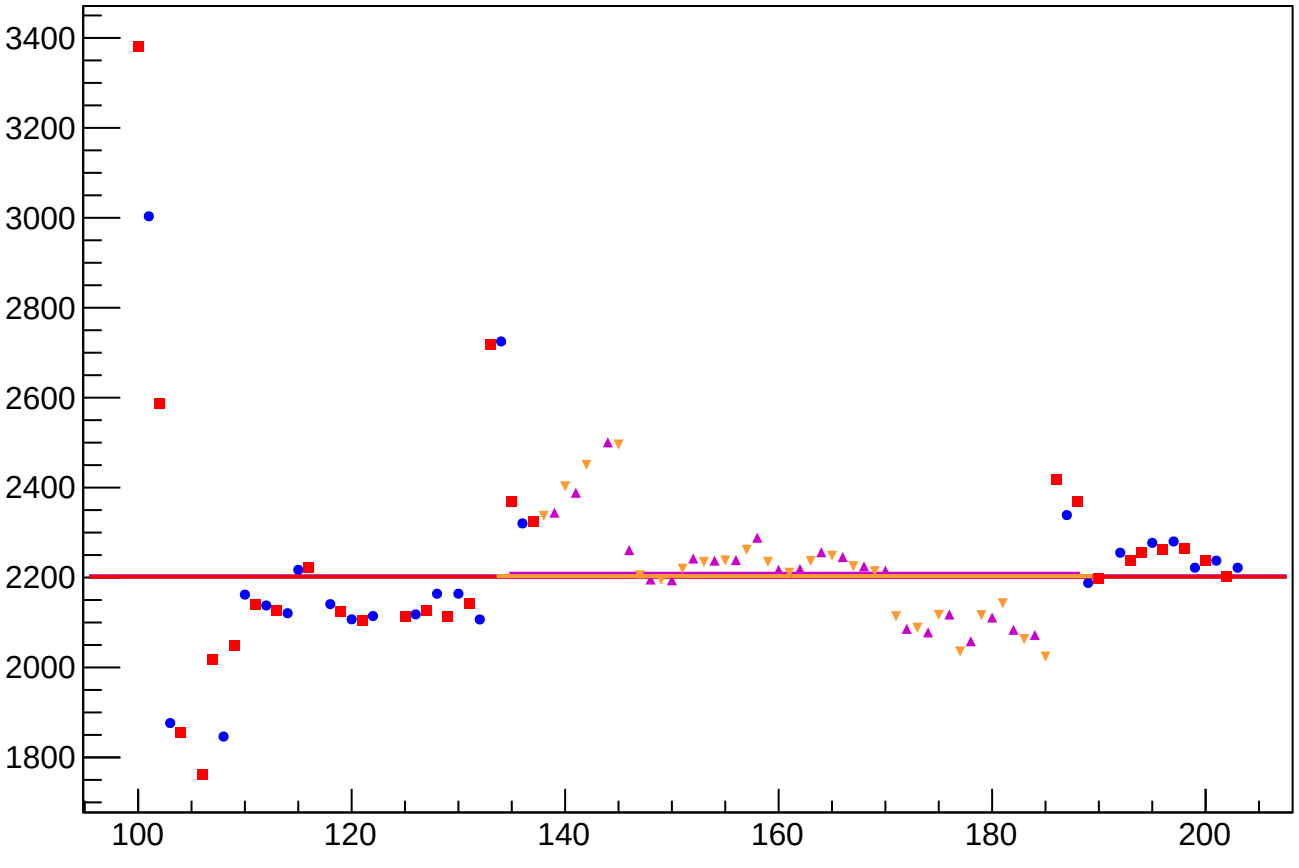
Left: 3879.677+/-363.533 χ^2/NDF: 56.8/46

Right: 4589.404+/-424.056 χ^2/NDF: 30.6/50

In: 5168.756+/-393.594 χ^2/NDF:24.2/46

Out: 3224.124+/-387.122 χ^2/NDF:52.4/50

All: 4180.321+/-275.997 χ^2/NDF: 89.0/97



Right In: 2202.434+/-0.430 χ^2/NDF: 206016.3/23

Left Out: 2203.297+/-0.362 χ^2/NDF:88208.3/23

Right Out: 2201.896+/-0.417 χ^2/NDF: 187501.0/26

Left In: 2208.379+/-0.365 χ^2/NDF:80994.3/22

Left: 2205.817+/-0.257 χ^2/NDF: 169300.4/46

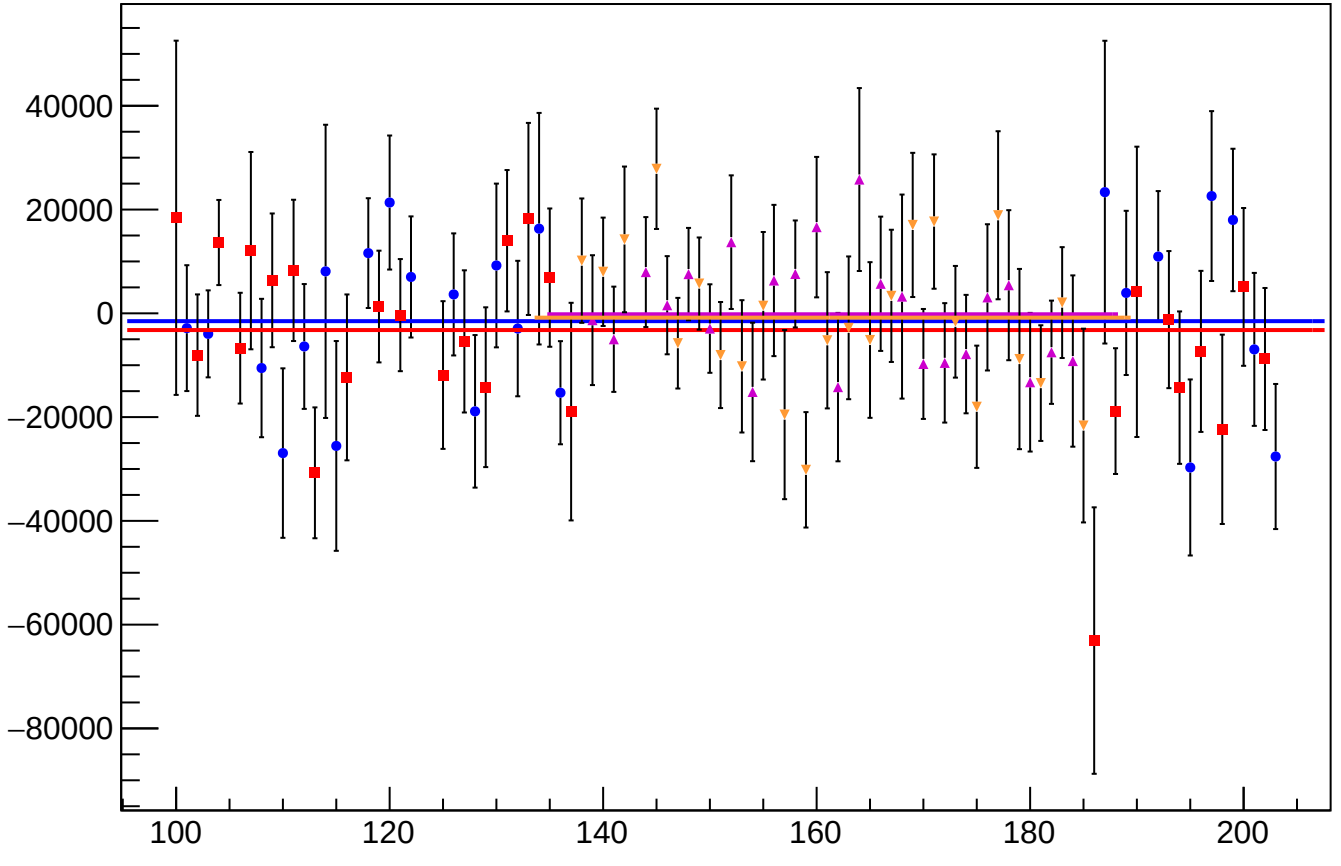
Right: 2202.157+/-0.299 χ^2/NDF: 393518.2/50

In: 2205.890+/-0.278 χ^2/NDF:287121.7/46

Out: 2202.695+/-0.273 χ^2/NDF:275715.8/50

All: 2204.264+/-0.195 χ^2/NDF: 562904.5/97

asym_us_avg_at2lr_avg_avg_cor_correction_mean vs Slug, Sign Corrected



Right In: -1507.720+/-2764.804 χ^2/NDF: 26.9/23

Left Out: -833.458+/-2481.469 χ^2/NDF:29.5/23

Right Out: -3223.315+/-2664.578 χ^2/NDF: 26.5/26

Left In: -182.360+/-2471.221 χ^2/NDF:13.8/22

Left: -506.562+/-1751.029 χ^2/NDF: 43.3/46

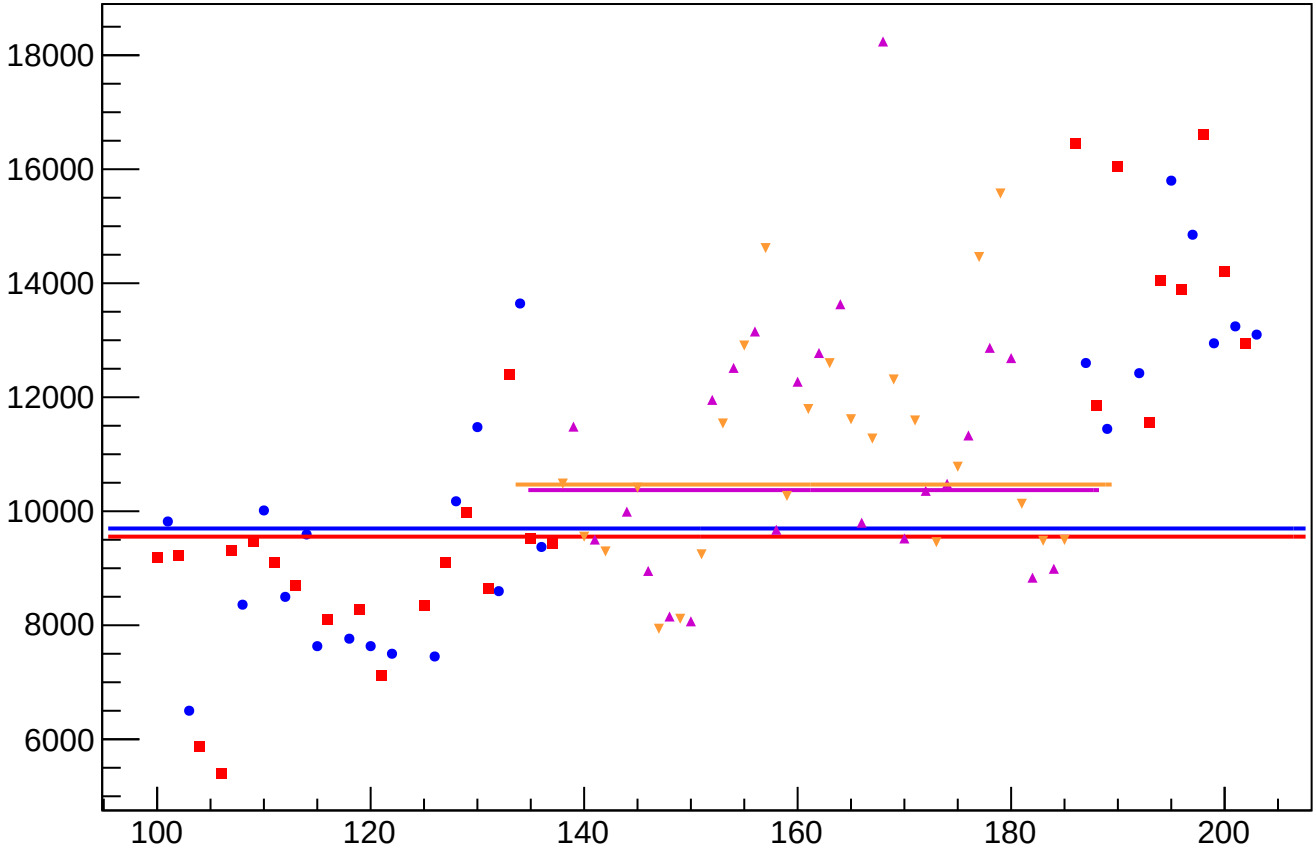
Right: -2397.176+/-1918.595 χ^2/NDF: 53.6/50

In: -770.960+/-1842.501 χ^2/NDF:40.8/46

Out: -1943.457+/-1815.949 χ^2/NDF:56.4/50

All: -1365.717+/-1293.355 χ^2/NDF: 97.4/97

asym_us_avg_at2lr_avg_avg_cor_correction_rms vs Slug, Sign Corrected



Right In: 9697.704+/-1.955 χ^2/NDF: 1661060.1/23

Left Out: 10468.676+/-1.755 χ^2/NDF:1045258.5/23

Right Out: 9554.766+/-1.884 χ^2/NDF: 2260203.9/26

Left In: 10370.886+/-1.747 χ^2/NDF:1203763.9/22

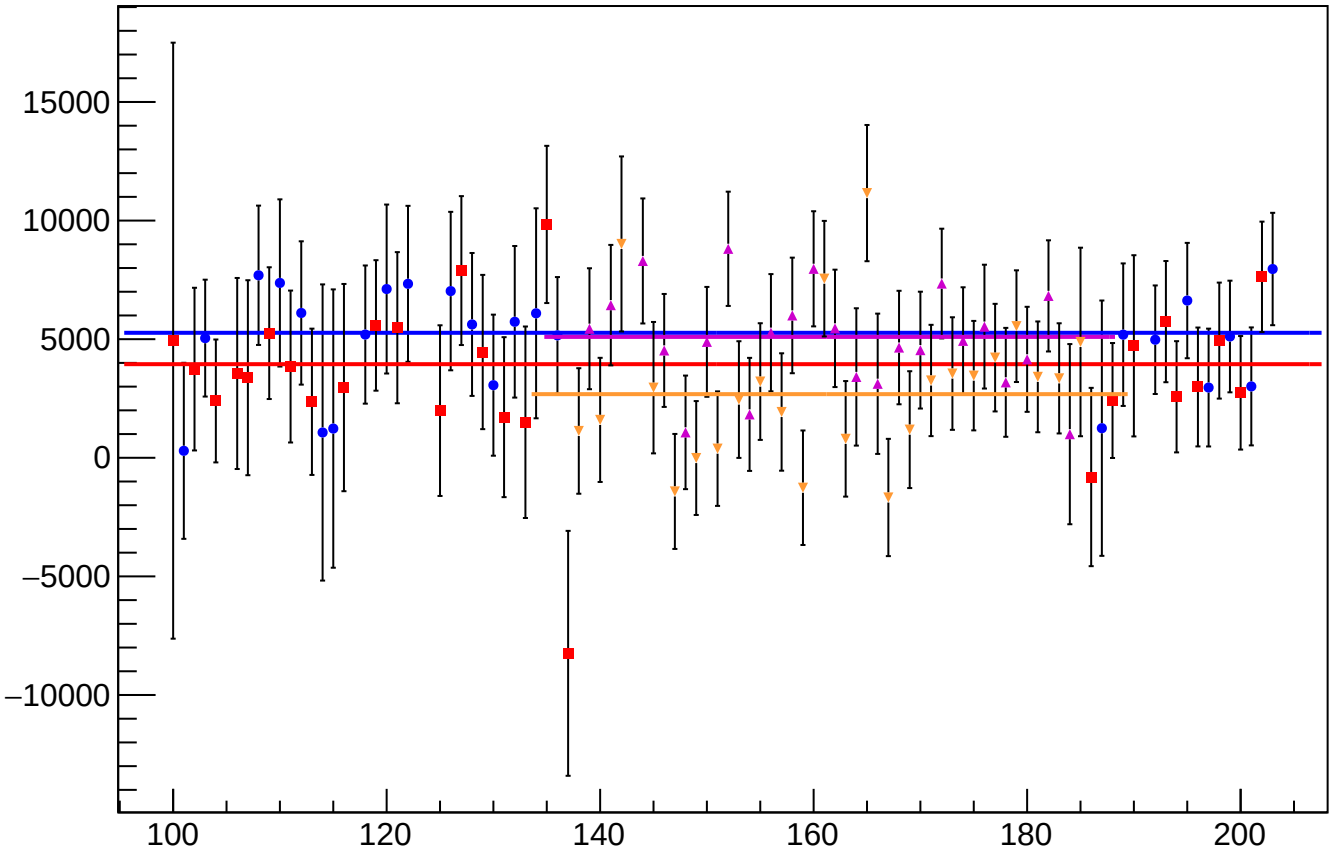
Left: 10419.579+/-1.238 χ^2/NDF: 2250581.8/46

Right: 9623.597+/-1.357 χ^2/NDF: 3924035.5/50

In: 10071.922+/-1.303 χ^2/NDF:2930735.0/46

Out: 10044.199+/-1.284 χ^2/NDF:3431462.4/50

All: 10057.859+/-0.915 χ^2/NDF: 6362427.1/9



Right In: 5269.307+/-608.278 χ^2/NDF: 9.3/23

Left Out: 2682.792+/-512.020 χ^2/NDF:30.8/23

Right Out: 3946.524+/-591.485 χ^2/NDF: 18.9/26

Left In: 5096.334+/-516.232 χ^2/NDF:14.9/22

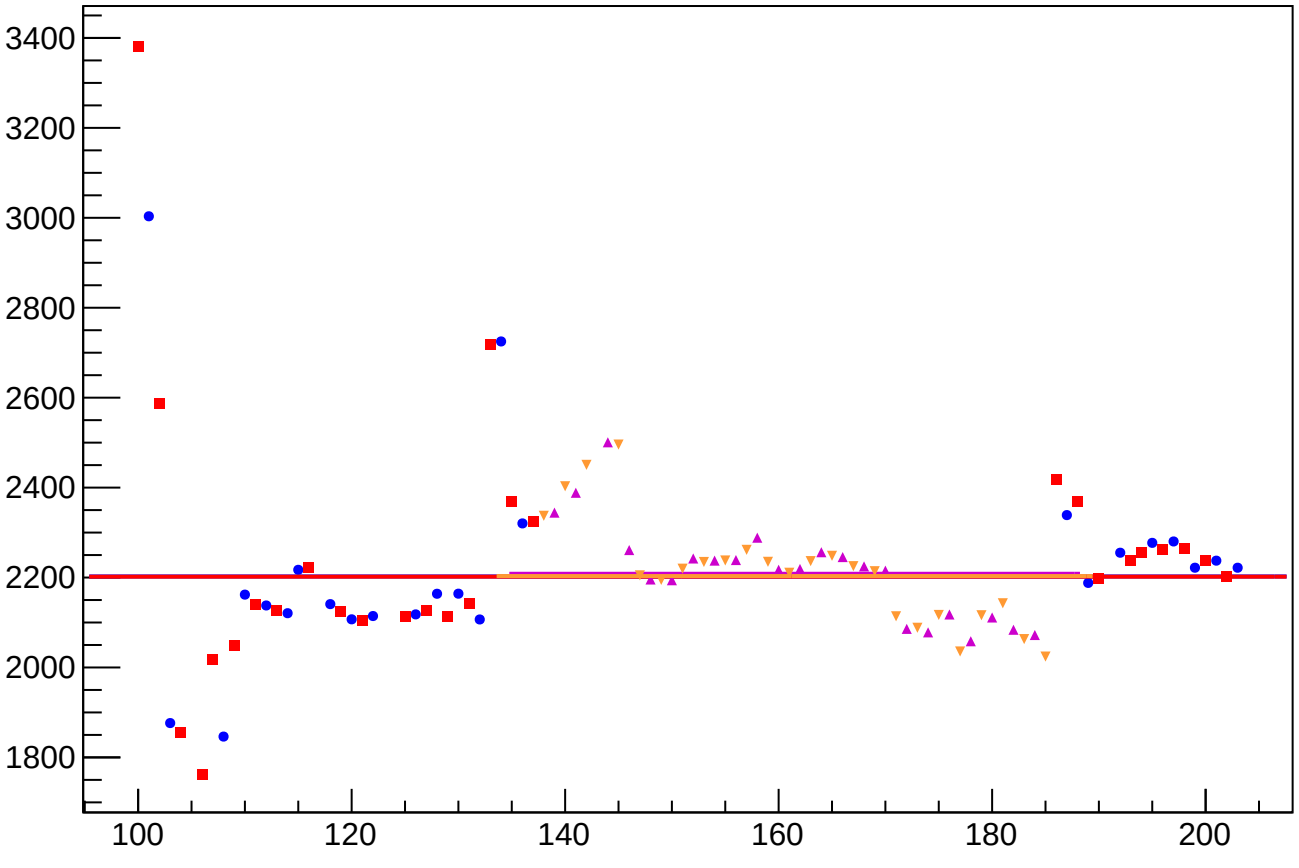
Left: 3879.677+/-363.533 χ^2/NDF: 56.8/46

Right: 4589.404+/-424.056 χ^2/NDF: 30.6/50

In: 5168.756+/-393.594 χ^2/NDF:24.2/46

Out: 3224.124+/-387.122 χ^2/NDF:52.4/50

All: 4180.321+/-275.997 χ^2/NDF: 89.0/97



Right In: 2202.434+/-0.430 χ^2/NDF: 206016.3/23

Left Out: 2203.297+/-0.362 χ^2/NDF:88208.3/23

Right Out: 2201.896+/-0.417 χ^2/NDF: 187501.0/26

Left In: 2208.379+/-0.365 χ^2/NDF:80994.3/22

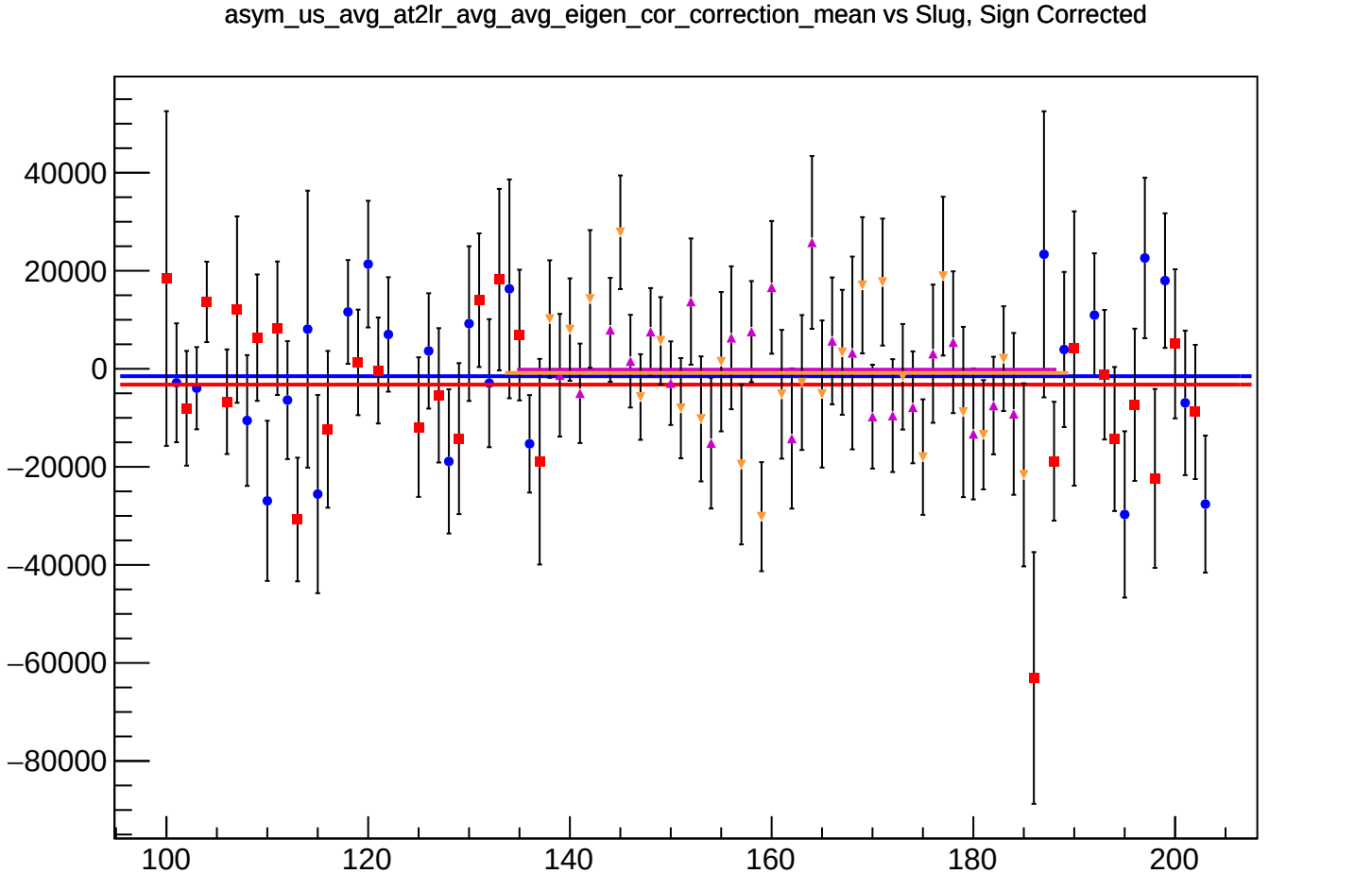
Left: 2205.817+/-0.257 χ^2/NDF: 169300.4/46

Right: 2202.157+/-0.299 χ^2/NDF: 393518.2/50

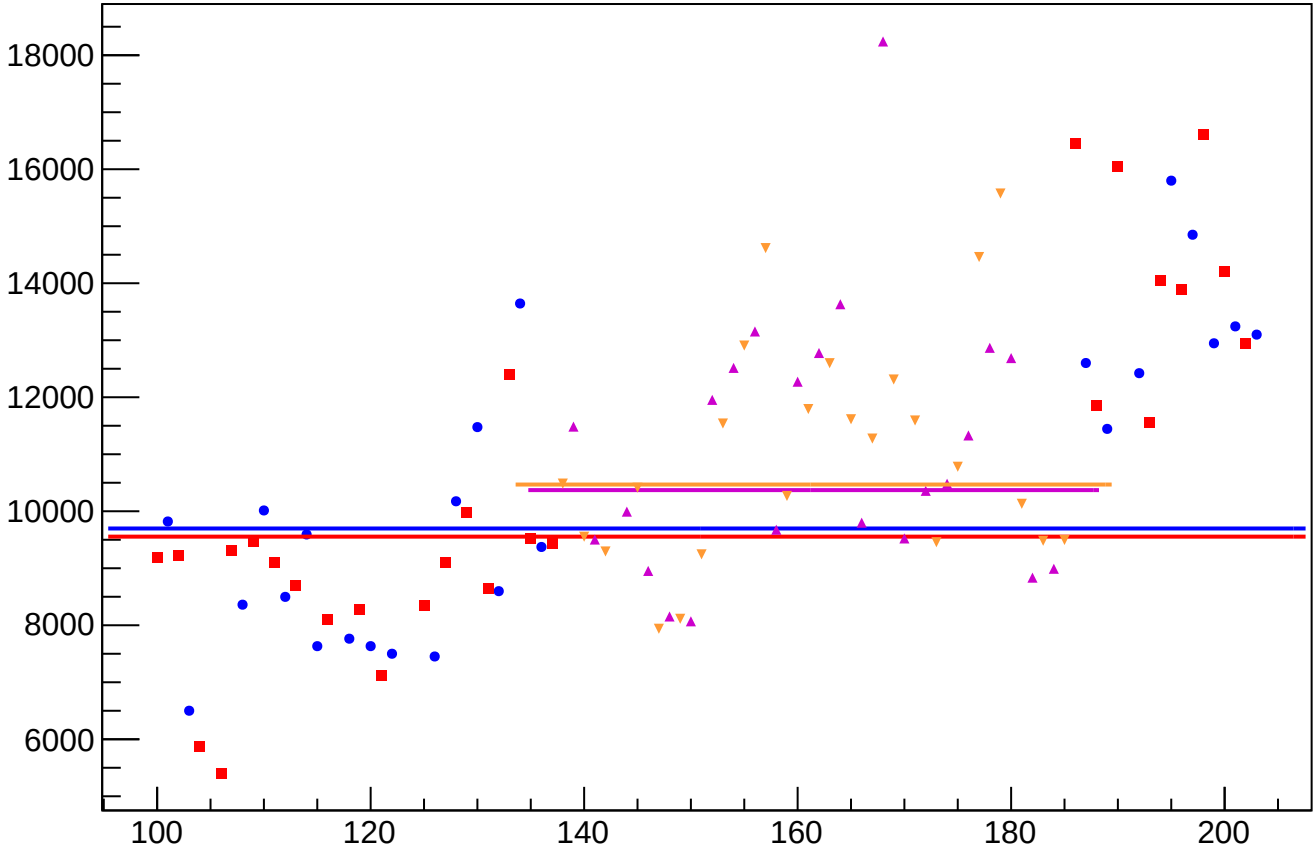
In: 2205.890+/-0.278 χ^2/NDF:287121.7/46

Out: 2202.695+/-0.273 χ^2/NDF:275715.8/50

All: 2204.264+/-0.195 χ^2/NDF: 562904.5/97


asym_us_avg_at2lr_avg_avg_eigen_cor_correction_mean vs Slug, Sign Corrected
40000
20000
0
−20000
−40000
−60000
−80000
100
120
140
160
180
200
Right In: -1507.720+/-2764.804 χ²/NDF: 26.9/23
Left Out: -833.458+/-2481.469 χ²/NDF:29.5/23
Right Out: -3223.315+/-2664.578 χ²/NDF: 26.5/26
Left In: -182.360+/-2471.221 χ²/NDF:13.8/22
Left: -506.562+/-1751.029 χ²/NDF: 43.3/46
Right: -2397.176+/-1918.595 χ²/NDF: 53.6/50
In: -770.960+/-1842.501 χ²/NDF:40.8/46
Out: -1943.457+/-1815.949 χ²/NDF:56.4/50
All: -1365.717+/-1293.355 χ²/NDF: 97.4/97

asym_us_avg_at2lr_avg_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 9697.704+/-1.955 χ^2/NDF: 1661060.1/23

Left Out: 10468.676+/-1.755 χ^2/NDF:1045258.5/23

Right Out: 9554.766+/-1.884 χ^2/NDF: 2260203.9/26

Left In: 10370.886+/-1.747 χ^2/NDF:1203763.9/22

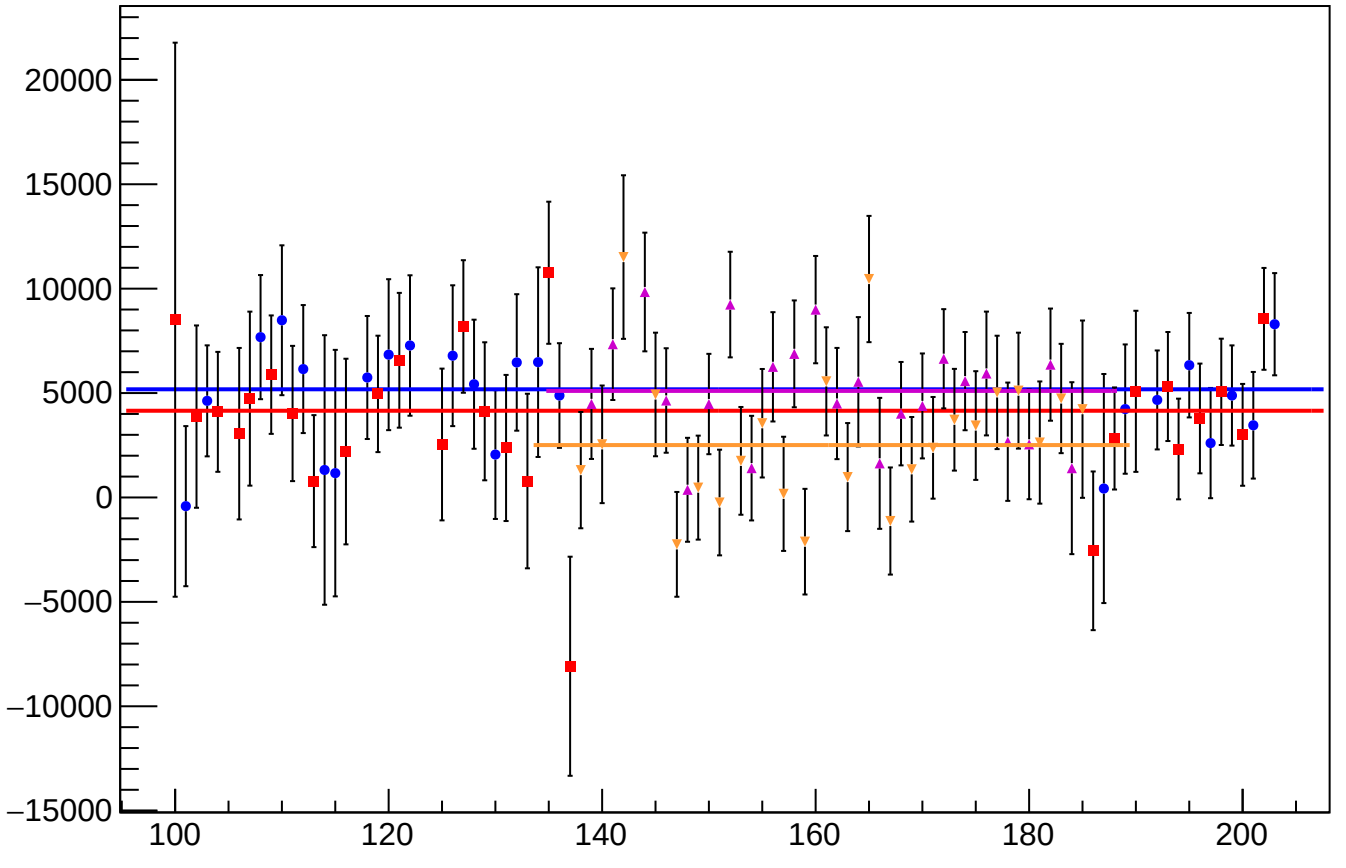
Left: 10419.579+/-1.238 χ^2/NDF: 2250581.8/46

Right: 9623.597+/-1.357 χ^2/NDF: 3924035.5/50

In: 10071.922+/-1.303 χ^2/NDF:2930735.0/46

Out: 10044.199+/-1.284 χ^2/NDF:3431462.4/50

All: 10057.859+/-0.915 χ^2/NDF: 6362427.1/9



Right In: 5180.094+/-626.030 χ^2/NDF: 10.9/23

Left Out: 2508.976+/-551.601 χ^2/NDF:29.8/23

Right Out: 4153.174+/-611.126 χ^2/NDF: 22.4/26

Left In: 5102.993+/-552.583 χ^2/NDF:19.9/22

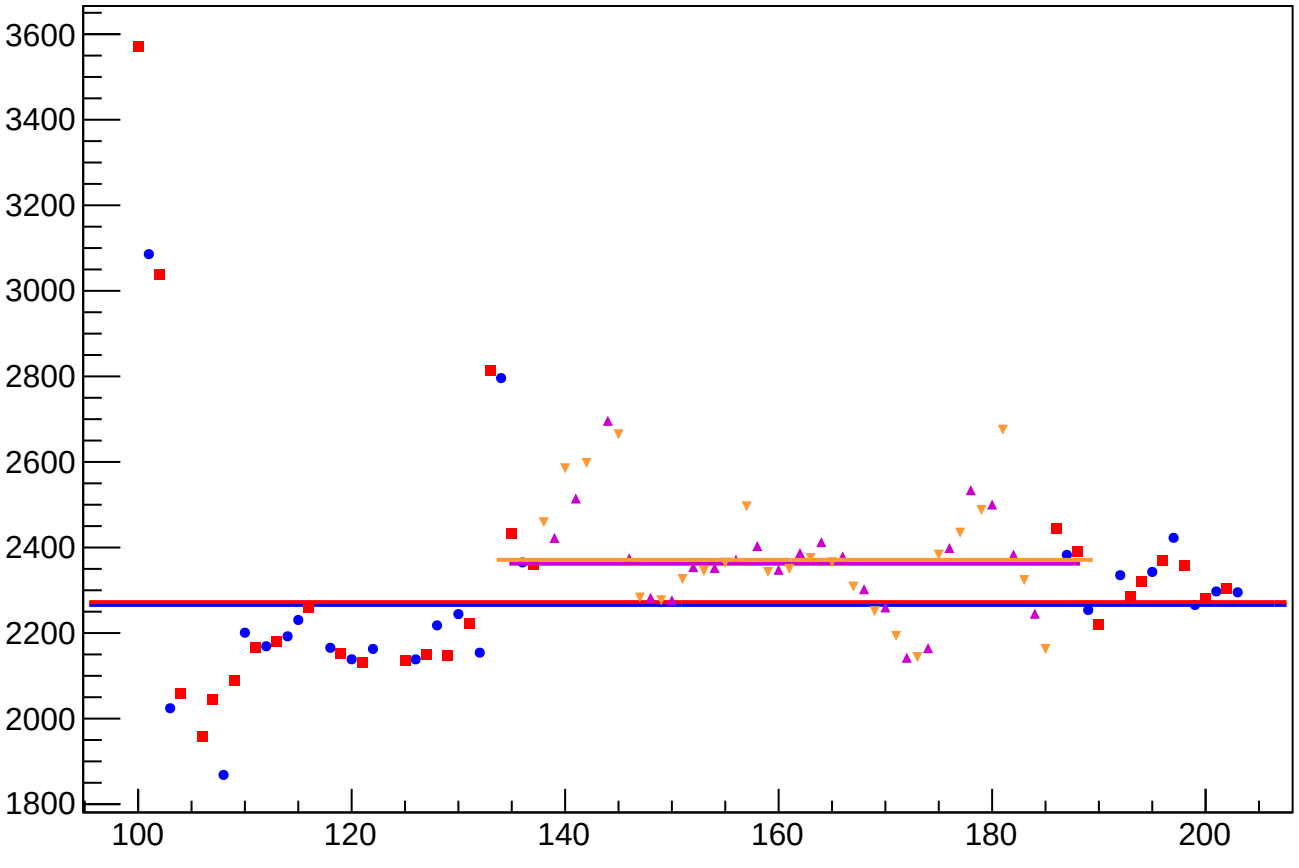
Left: 3803.678+/-390.387 χ^2/NDF: 60.7/46

Right: 4654.265+/-437.306 χ^2/NDF: 34.7/50

In: 5136.757+/-414.281 χ^2/NDF:30.9/46

Out: 3247.121+/-409.473 χ^2/NDF:56.1/50

All: 4180.910+/-291.226 χ^2/NDF: 97.5/97



Right In: 2265.910+/-0.443 χ^2/NDF: 201770.9/23

Left Out: 2371.137+/-0.390 χ^2/NDF:116296.5/23

Right Out: 2272.332+/-0.432 χ^2/NDF: 192671.6/26

Left In: 2362.218+/-0.391 χ^2/NDF:91896.7/22

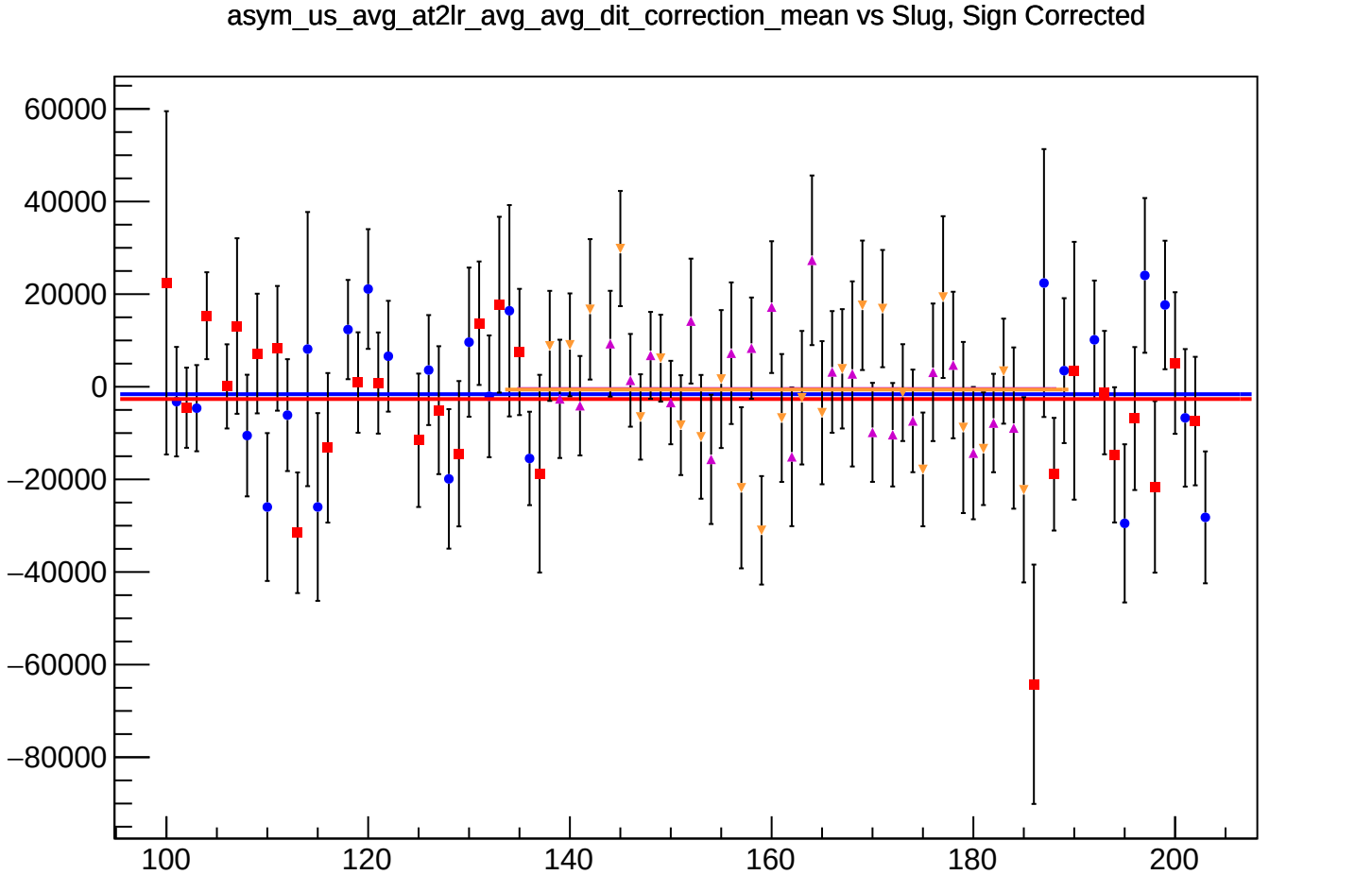
Left: 2366.685+/-0.276 χ^2/NDF: 208454.2/46

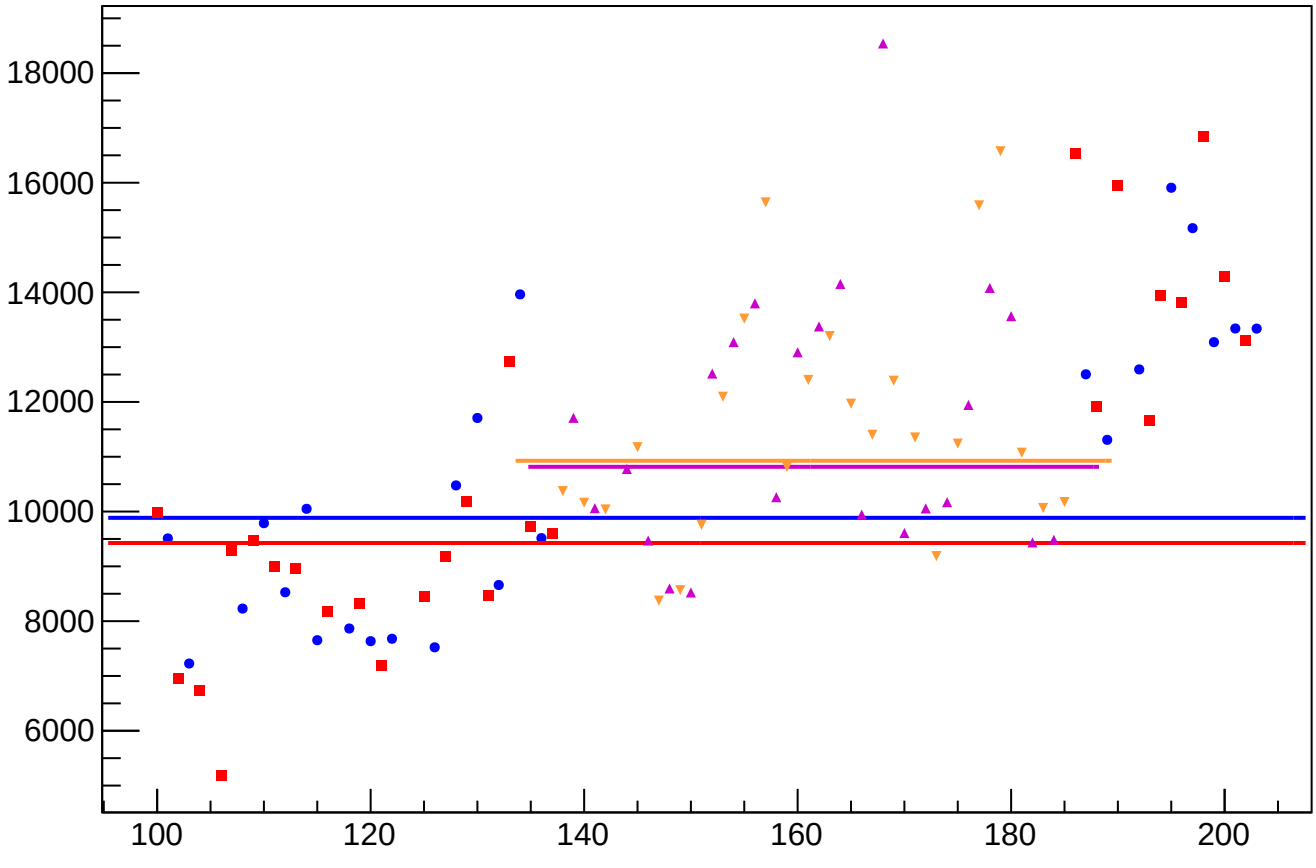
Right: 2269.199+/-0.309 χ^2/NDF: 394550.2/50

In: 2320.042+/-0.293 χ^2/NDF:320272.6/46

Out: 2326.763+/-0.289 χ^2/NDF:337787.3/50

All: 2323.442+/-0.206 χ^2/NDF: 658326.3/97


asym_us_avg_at2lr_avg_avg_dit_correction_mean vs Slug, Sign Corrected
60000
40000
20000
0
−20000
−40000
−60000
−80000
100
120
140
160
180
200
Right In: -1602.575+/-2811.918 χ²/NDF: 26.7/23
Left Out: -608.283+/-2589.919 χ²/NDF:28.9/23
Right Out: -2652.051+/-2626.197 χ²/NDF: 26.2/26
Left In: -490.044+/-2577.213 χ²/NDF:13.5/22
Left: -548.873+/-1826.841 χ²/NDF: 42.4/46
Right: -2163.113+/-1919.303 χ²/NDF: 53.0/50
In: -997.949+/-1899.931 χ²/NDF:40.4/46
Out: -1615.953+/-1844.042 χ²/NDF:55.4/50
All: -1316.174+/-1323.252 χ²/NDF: 95.8/97



Right In: 9885.287+/-1.988 χ^2/NDF: 1542113.0/23

Left Out: 10926.860+/-1.831 χ^2/NDF:1057331.1/23

Right Out: 9426.286+/-1.857 χ^2/NDF: 2389664.7/26

Left In: 10816.320+/-1.822 χ^2/NDF:1196820.9/22

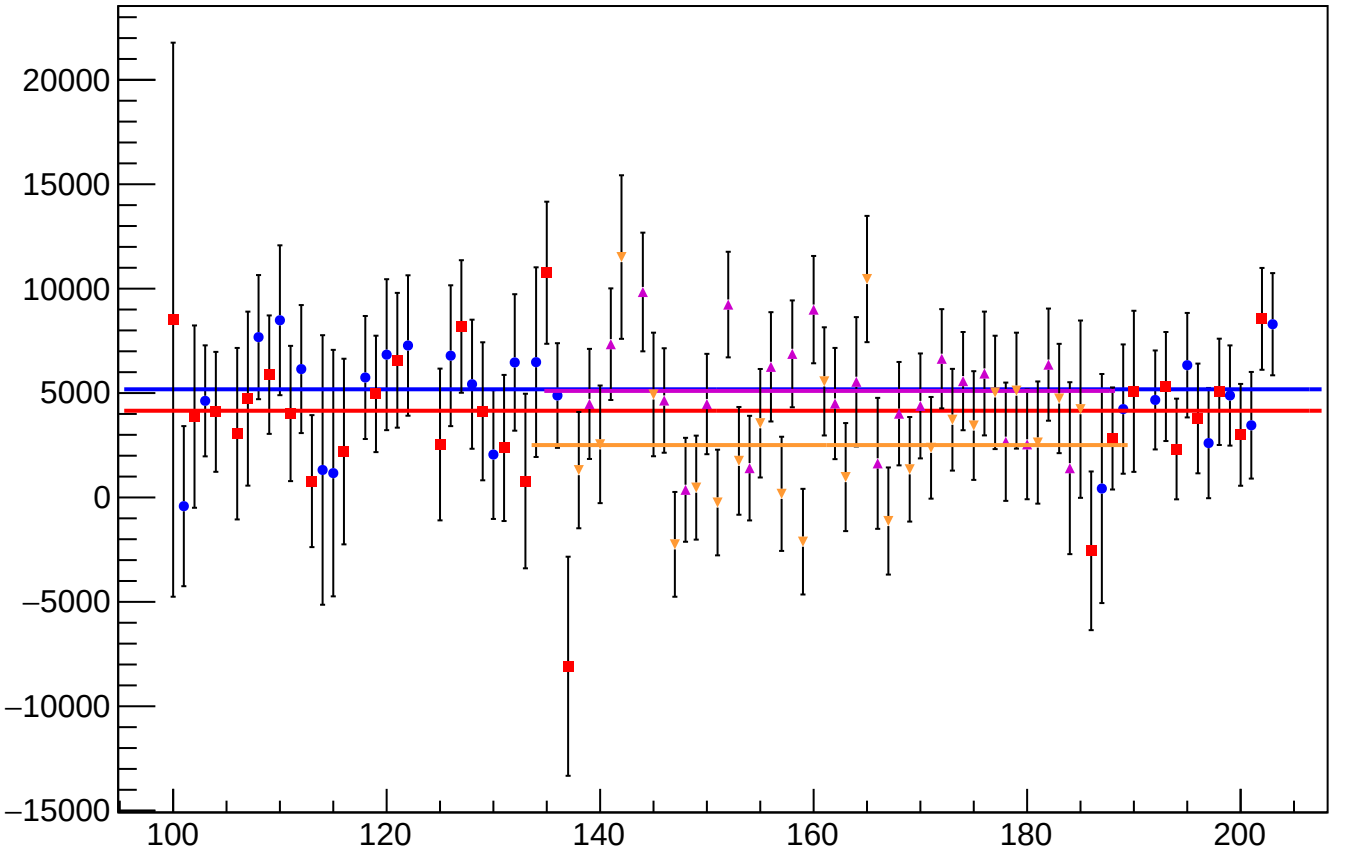
Left: 10871.318+/-1.292 χ^2/NDF: 2255982.7/46

Right: 9640.129+/-1.357 χ^2/NDF: 3960240.9/50

In: 10391.275+/-1.343 χ^2/NDF:2858093.7/46

Out: 10187.009+/-1.304 χ^2/NDF:3778019.6/50

All: 10286.093+/-0.936 χ^2/NDF: 6648017.2/9



Right In: 5180.086+/-626.030 χ^2/NDF: 10.9/23

Left Out: 2508.963+/-551.602 χ^2/NDF:29.8/23

Right Out: 4153.173+/-611.126 χ^2/NDF: 22.4/26

Left In: 5102.996+/-552.584 χ^2/NDF:19.9/22

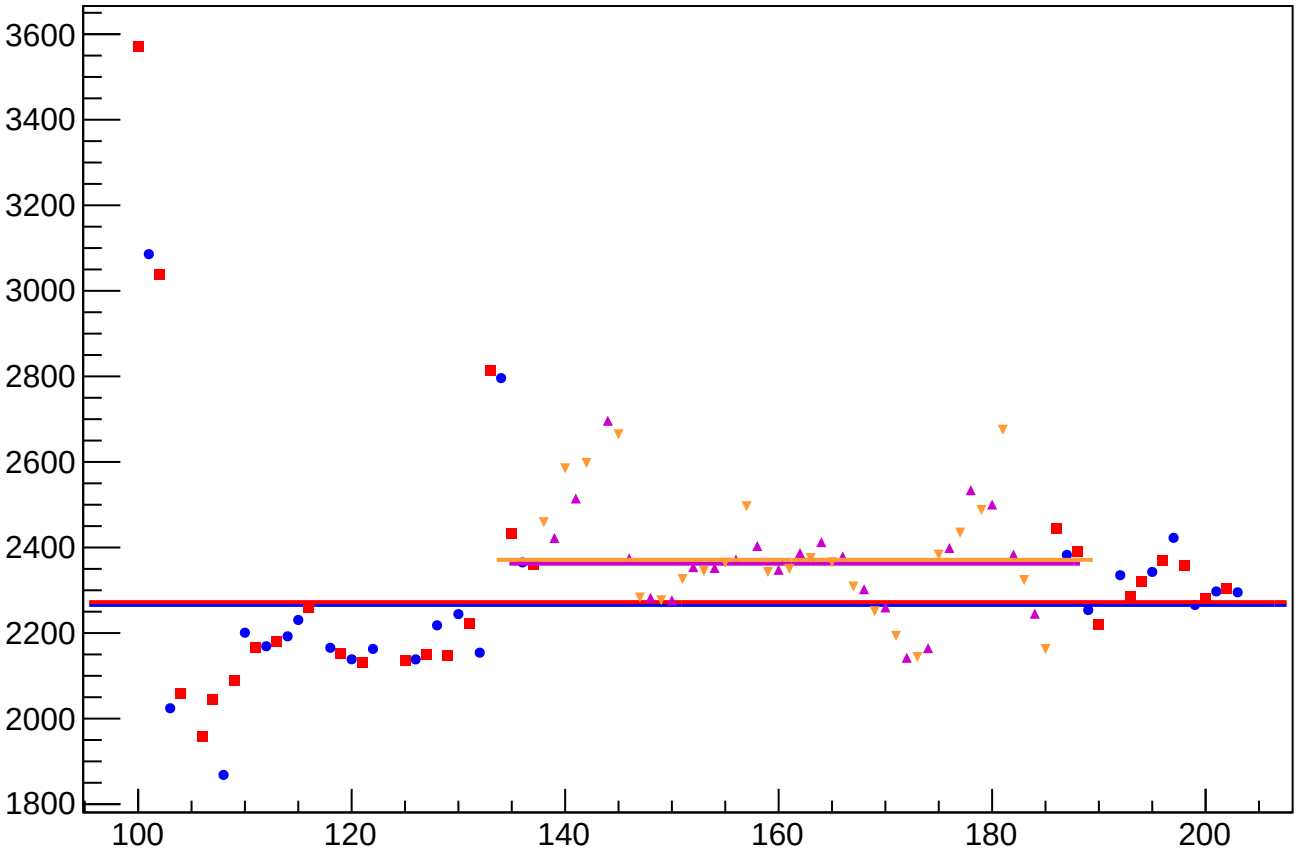
Left: 3803.673+/-390.388 χ^2/NDF: 60.7/46

Right: 4654.261+/-437.306 χ^2/NDF: 34.7/50

In: 5136.756+/-414.281 χ^2/NDF:30.9/46

Out: 3247.114+/-409.473 χ^2/NDF:56.1/50

All: 4180.905+/-291.226 χ^2/NDF: 97.5/97



Right In: 2265.909+/-0.443 χ^2/NDF: 201771.3/23

Left Out: 2371.140+/-0.390 χ^2/NDF:116300.8/23

Right Out: 2272.331+/-0.432 χ^2/NDF: 192671.9/26

Left In: 2362.221+/-0.391 χ^2/NDF:91901.3/22

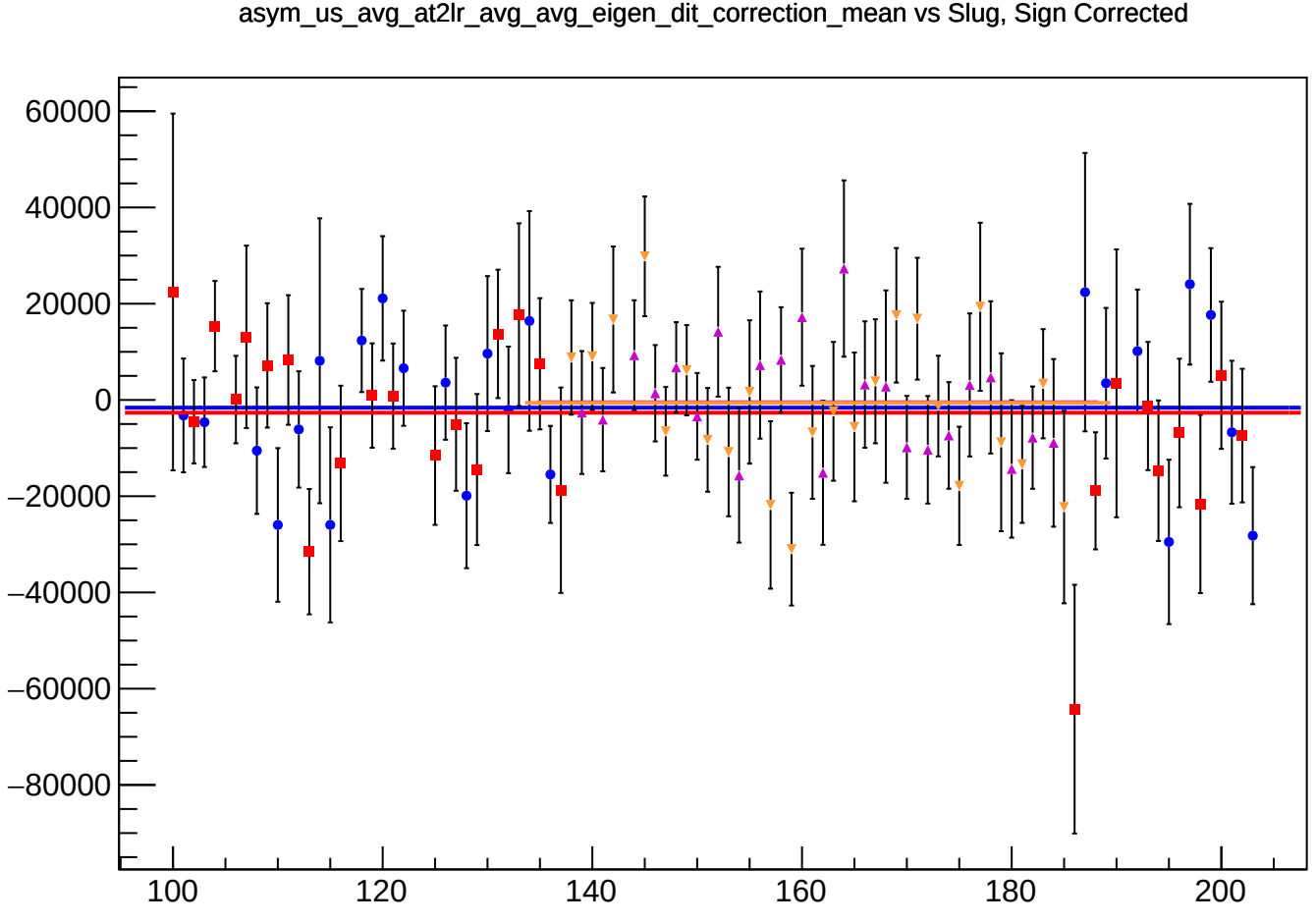
Left: 2366.689+/-0.276 χ^2/NDF: 208463.0/46

Right: 2269.199+/-0.309 χ^2/NDF: 394551.0/50

In: 2320.044+/-0.293 χ^2/NDF:320279.6/46

Out: 2326.765+/-0.289 χ^2/NDF:337793.9/50

All: 2323.444+/-0.206 χ^2/NDF: 658339.8/97



Right In: -1602.560+/-2811.914 χ^2/NDF: 26.7/23

Left Out: -608.291+/-2589.924 χ^2/NDF:28.9/23

Right Out: -2652.037+/-2626.193 χ^2/NDF: 26.2/26

Left In: -490.047+/-2577.218 χ^2/NDF:13.5/22

Left: -548.878+/-1826.844 χ^2/NDF: 42.4/46

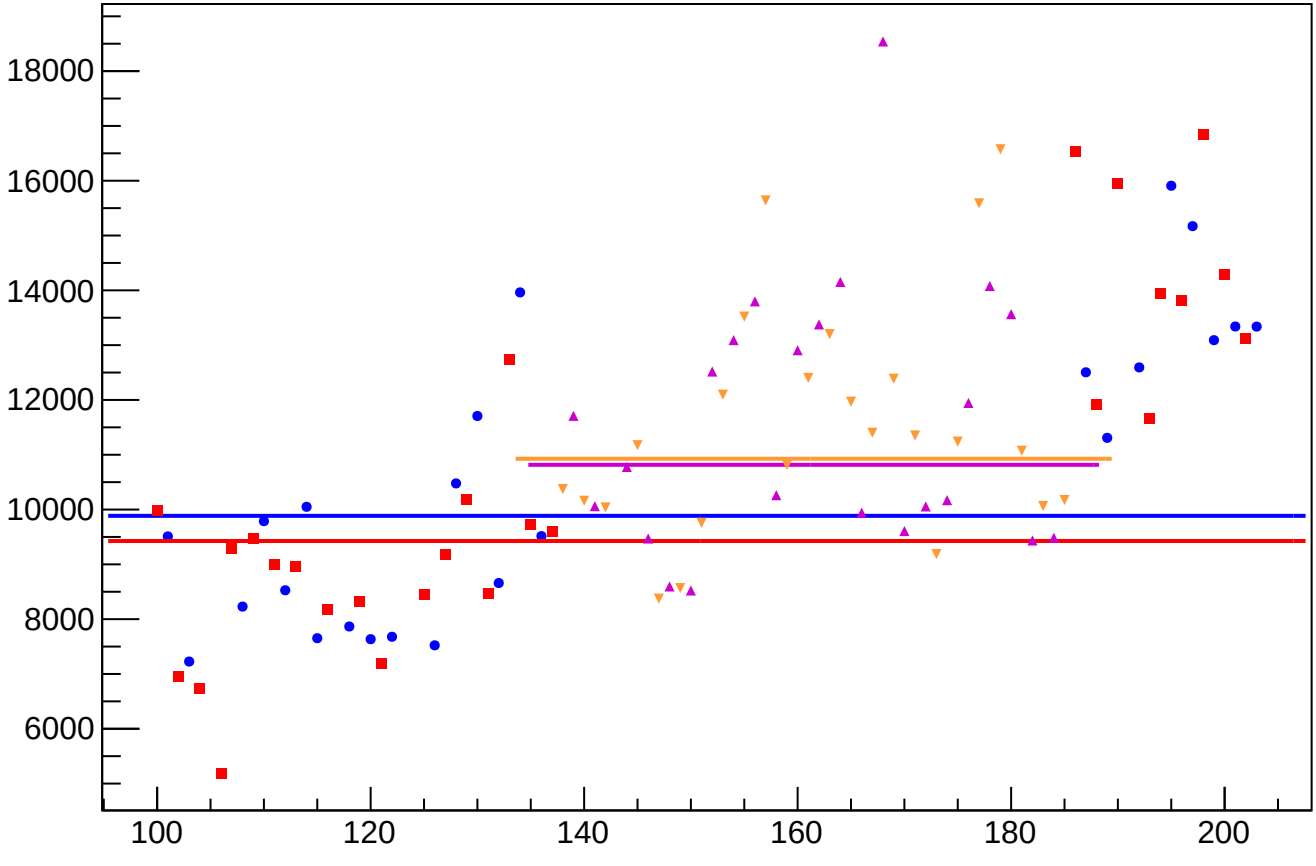
Right: -2163.098+/-1919.300 χ^2/NDF: 53.0/50

In: -997.945+/-1899.931 χ^2/NDF:40.4/46

Out: -1615.953+/-1844.042 χ^2/NDF:55.4/50

All: -1316.173+/-1323.252 χ^2/NDF: 95.8/97

asym_us_avg_at2lr_avg_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 9885.270+/-1.988 χ^2/NDF: 1542133.8/23

Left Out: 10926.878+/-1.831 χ^2/NDF:1057333.6/23

Right Out: 9426.270+/-1.857 χ^2/NDF: 2389681.0/26

Left In: 10816.337+/-1.822 χ^2/NDF:1196824.5/22

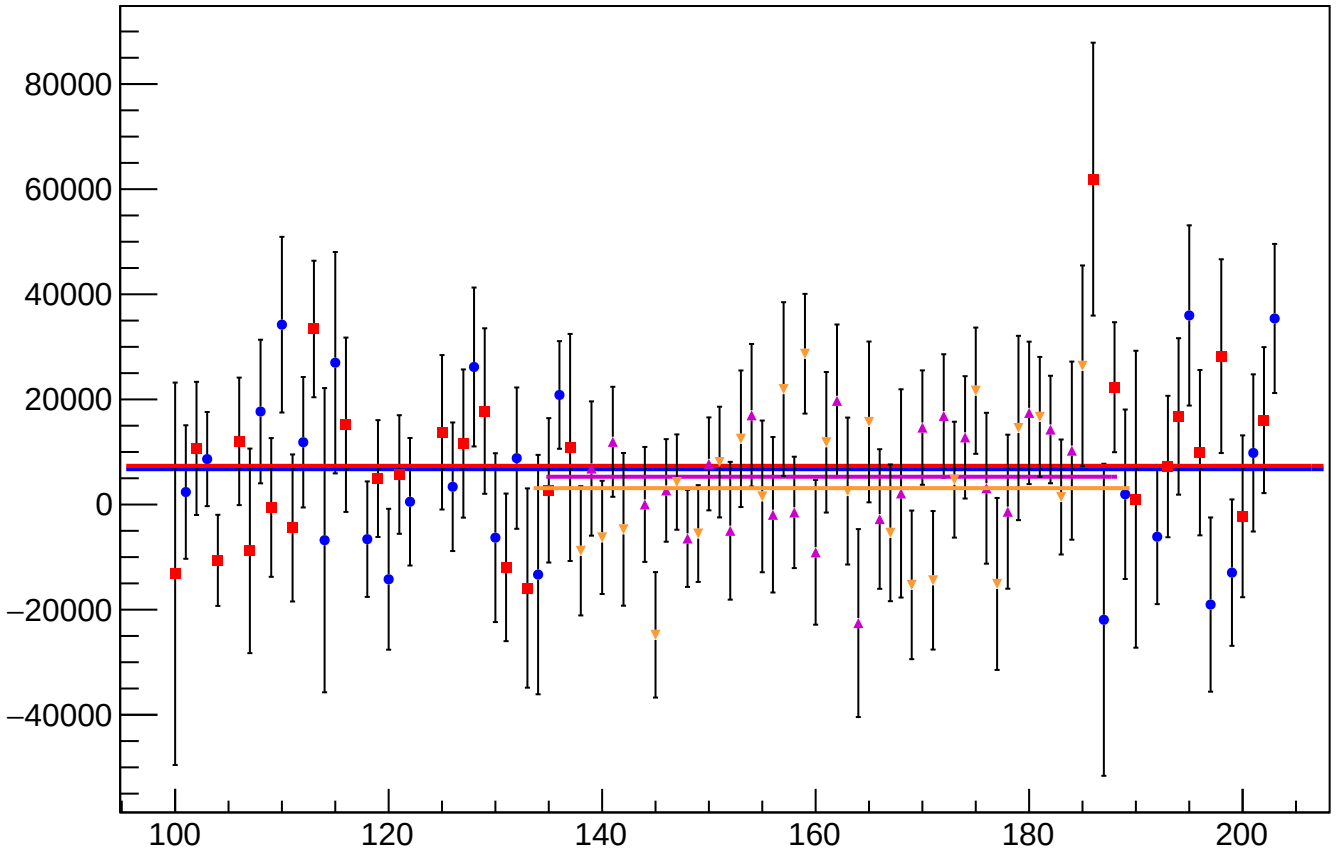
Left: 10871.336+/-1.292 χ^2/NDF: 2255988.7/46

Right: 9640.113+/-1.357 χ^2/NDF: 3960277.9/50

In: 10391.275+/-1.343 χ^2/NDF:2858126.8/46

Out: 10187.008+/-1.304 χ^2/NDF:3778053.3/50

All: 10286.093+/-0.936 χ^2/NDF: 6648084.1/9



Right In: 6724.467+/-2853.244 χ^2/NDF: 27.6/23

Left Out: 3119.161+/-2542.855 χ^2/NDF:27.4/23

Right Out: 7370.980+/-2764.920 χ^2/NDF: 23.6/26

Left In: 5290.718+/-2532.995 χ^2/NDF:13.3/22

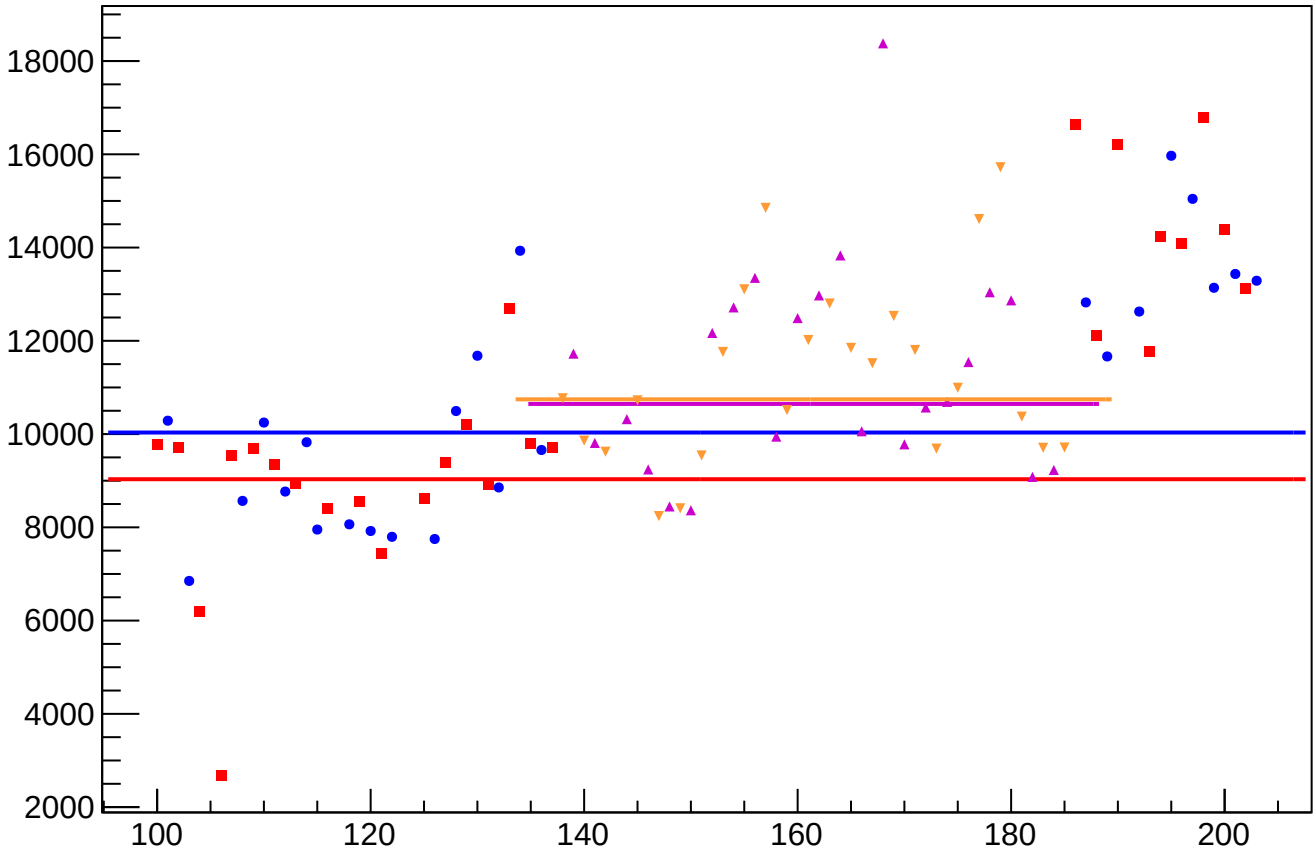
Left: 4209.158+/-1794.574 χ^2/NDF: 41.1/46

Right: 7057.885+/-1985.585 χ^2/NDF: 51.2/50

In: 5922.646+/-1894.246 χ^2/NDF:41.0/46

Out: 5067.495+/-1871.660 χ^2/NDF:52.3/50

All: 5489.942+/-1331.377 χ^2/NDF: 93.5/97



Right In: 10033.147+/-2.018 χ^2/NDF: 1518922.2/23

Left Out: 10745.331+/-1.798 χ^2/NDF:964618.1/23

Right Out: 9032.024+/-1.850 χ^2/NDF: 3883688.3/26

Left In: 10646.477+/-1.791 χ^2/NDF:1114064.0/22

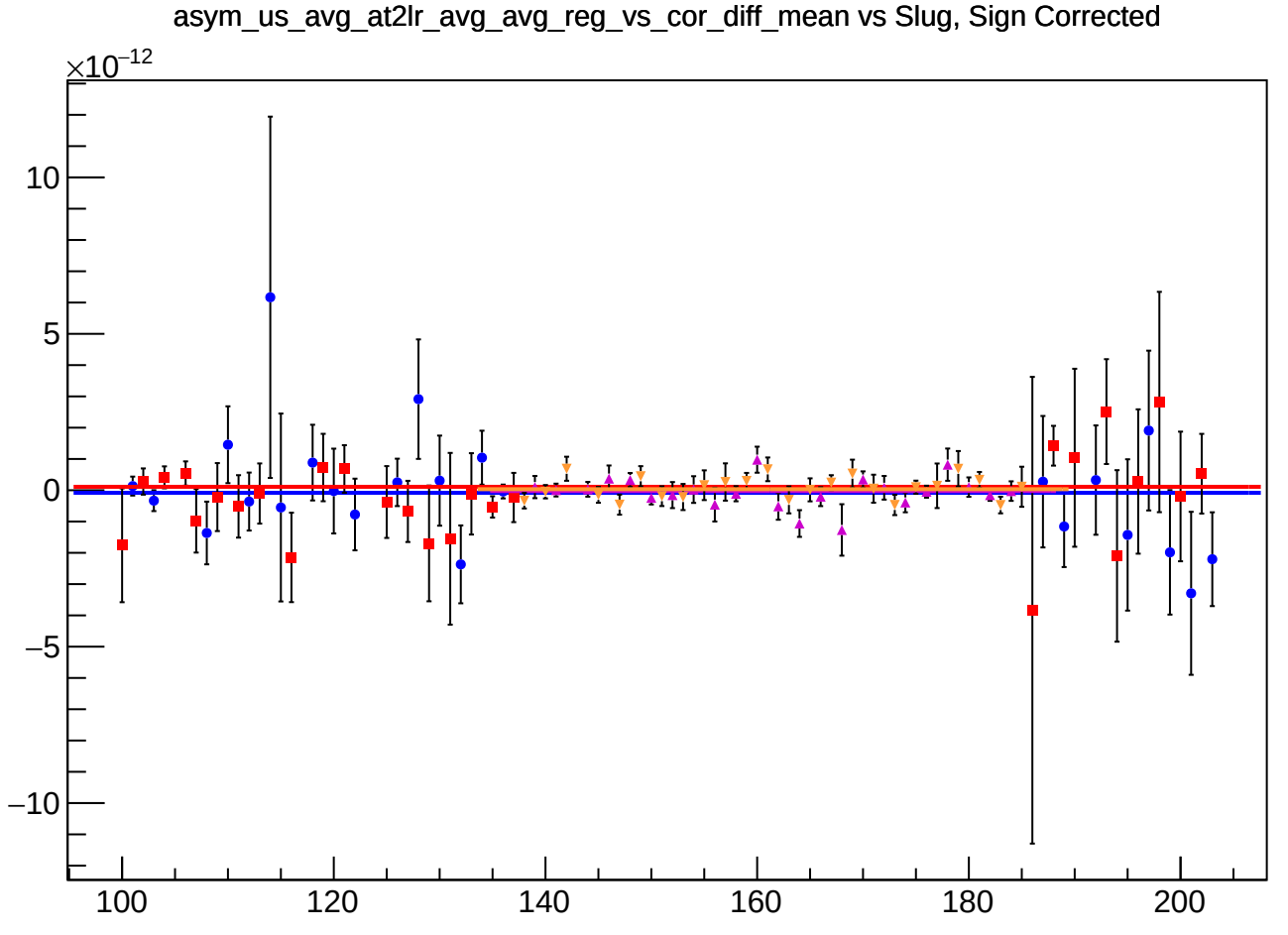
Left: 10695.712+/-1.269 χ^2/NDF: 2080199.2/46

Right: 9489.316+/-1.364 χ^2/NDF: 5536365.7/50

In: 10376.147+/-1.339 χ^2/NDF:2684669.3/46

Out: 9913.087+/-1.289 χ^2/NDF:5289340.8/50

All: 10135.810+/-0.929 χ^2/NDF: 8036042.5/9



Right In: -0.000+/-0.000 χ^2/NDF: 20.5/23

Left Out: 0.000+/-0.000 χ^2/NDF:26.3/23

Right Out: 0.000+/-0.000 χ^2/NDF: 22.3/26

Left In: -0.000+/-0.000 χ^2/NDF:27.9/22

Left: 0.000+/-0.000 χ^2/NDF: 54.6/46

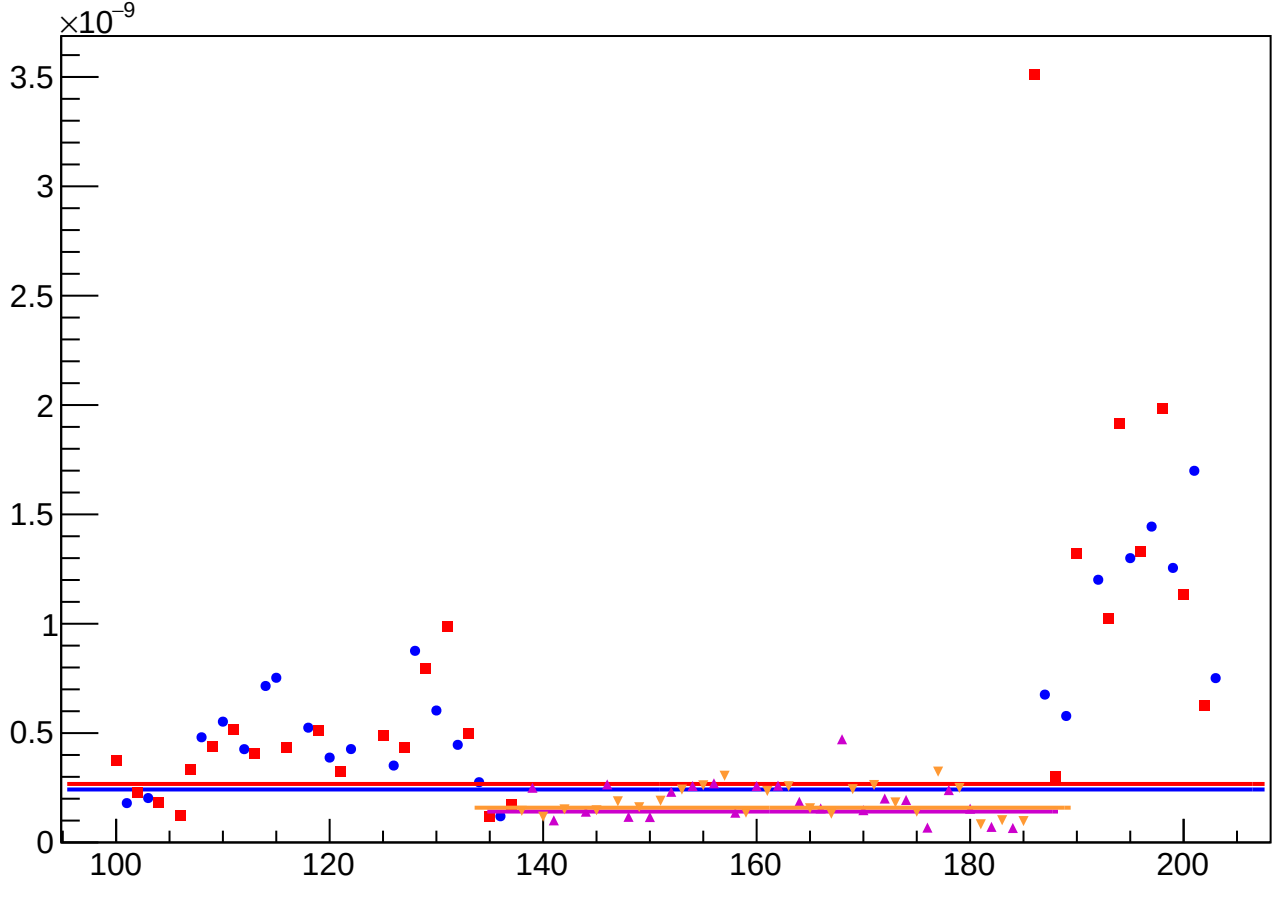
Right: 0.000+/-0.000 χ^2/NDF: 43.7/50

In: -0.000+/-0.000 χ^2/NDF:48.6/46

Out: 0.000+/-0.000 χ^2/NDF:48.7/50

All: 0.000+/-0.000 χ^2/NDF: 98.3/97

asym_us_avg_at2lr_avg_avg_reg_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 4767525.5/23

Left Out: 0.000+/-0.000 χ^2/NDF:1297018.7/23

Right Out: 0.000+/-0.000 χ^2/NDF: 4872567.1/26

Left In: 0.000+/-0.000 χ^2/NDF:2396288.8/22

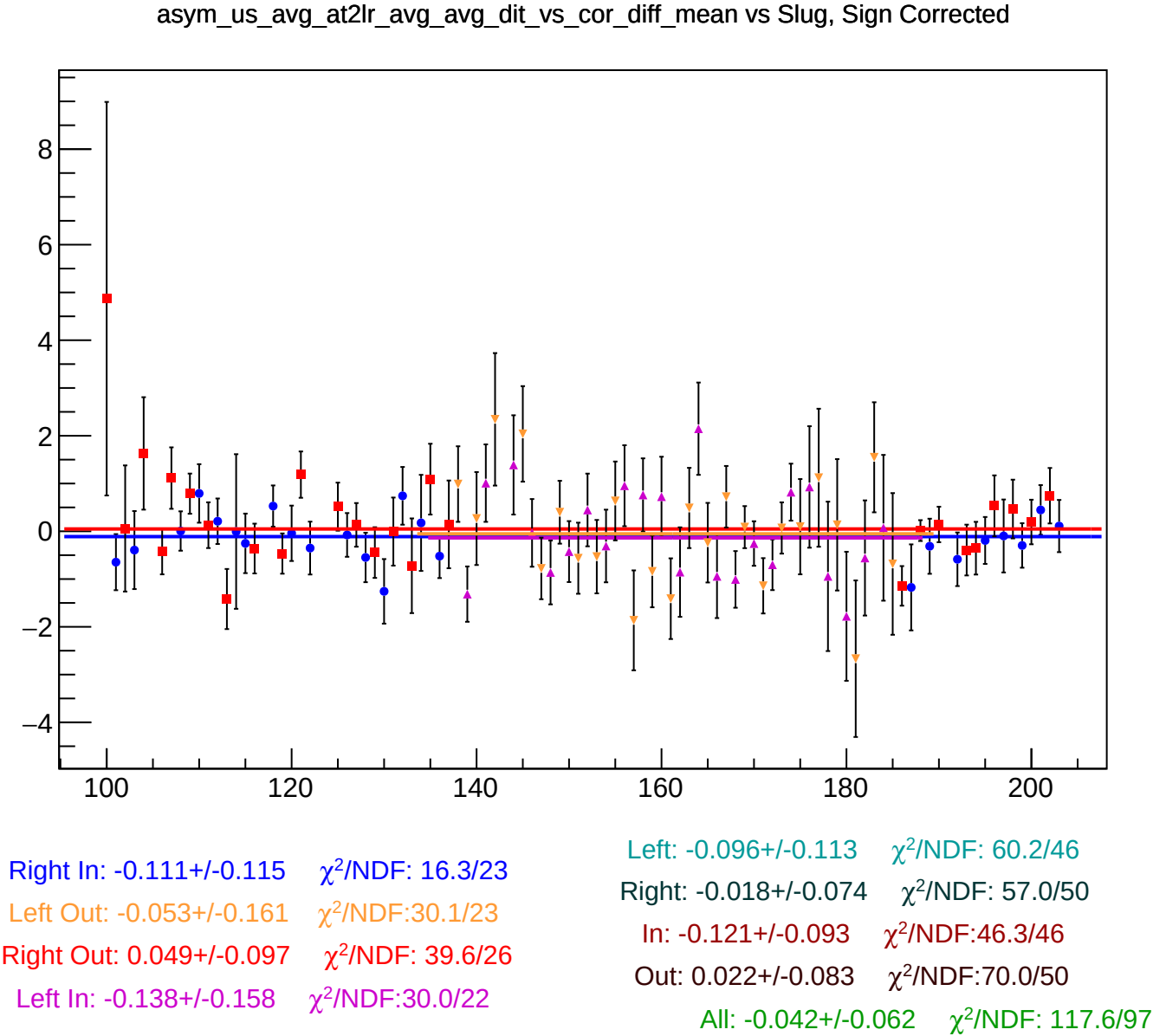
Left: 0.000+/-0.000 χ^2/NDF: 3771928.7/46

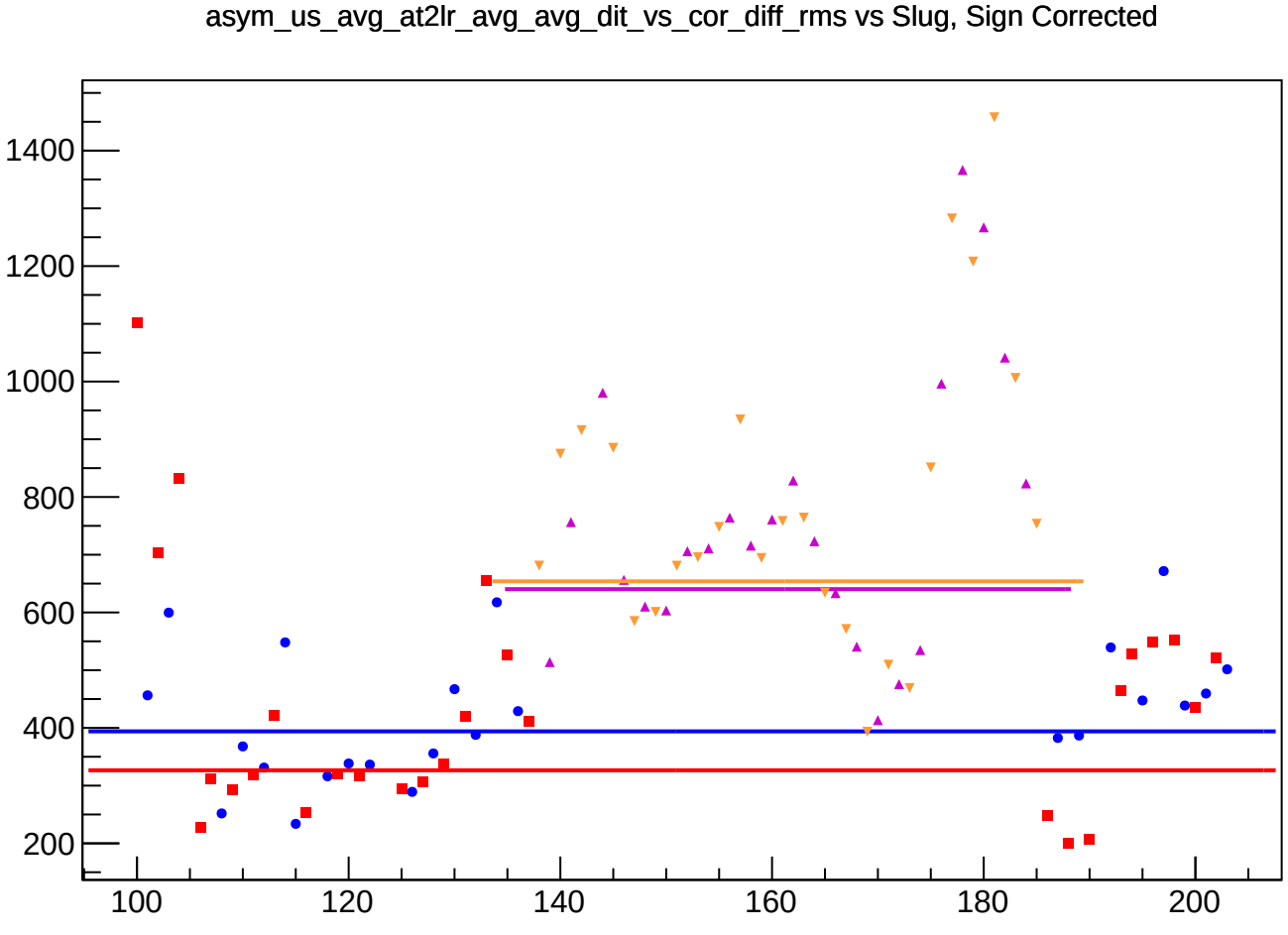
Right: 0.000+/-0.000 χ^2/NDF: 9671026.1/50

In: 0.000+/-0.000 χ^2/NDF:8053395.7/46

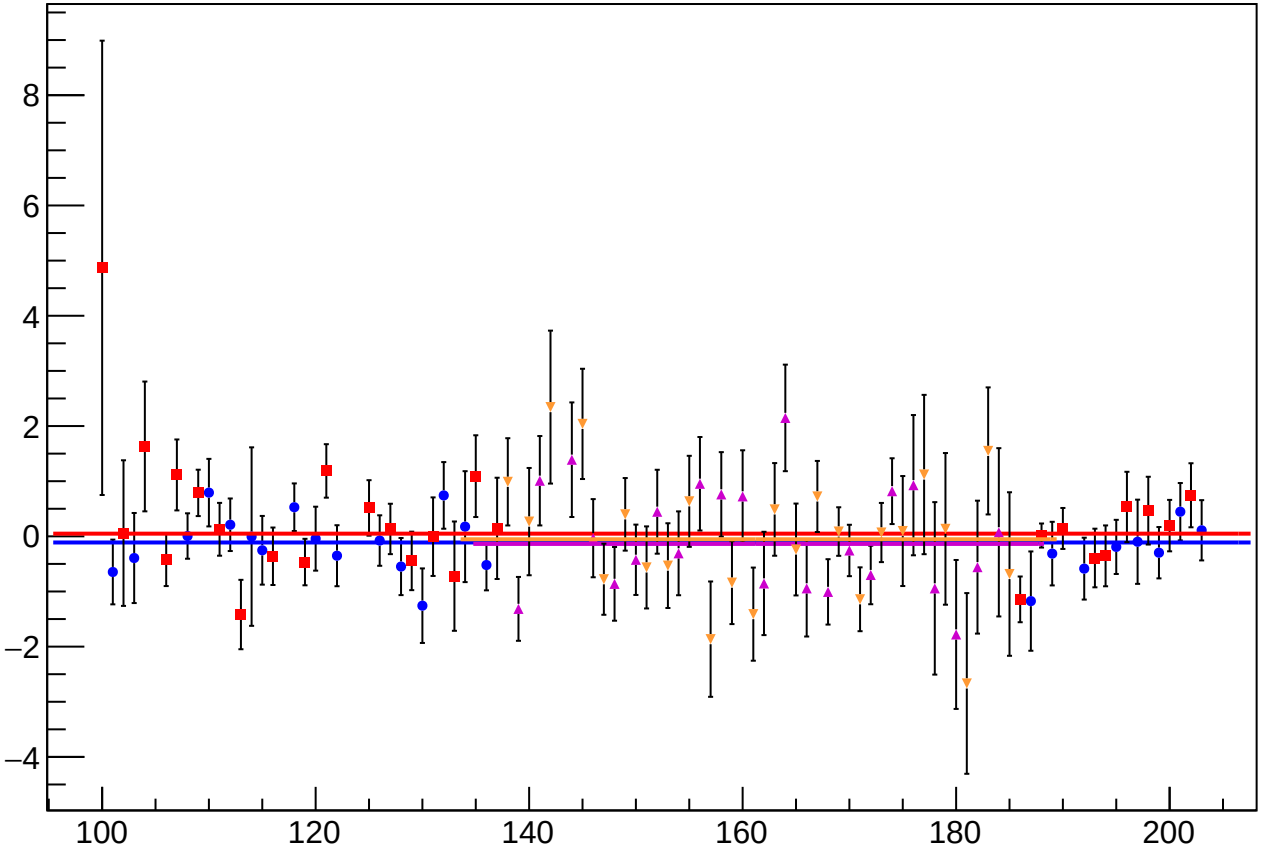
Out: 0.000+/-0.000 χ^2/NDF:7059717.4/50

All: 0.000+/-0.000 χ^2/NDF: 15220201.9/97


asym_us_avg_at2lr_avg_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected
8
6
4
2
0
−2
−4
100
120
140
160
180
200
Right In: -0.111+/-0.115 χ²/NDF: 16.3/23
Left Out: -0.053+/-0.161 χ²/NDF:30.1/23
Right Out: 0.049+/-0.097 χ²/NDF: 39.6/26
Left In: -0.138+/-0.158 χ²/NDF:30.0/22
Left: -0.096+/-0.113 χ²/NDF: 60.2/46
Right: -0.018+/-0.074 χ²/NDF: 57.0/50
In: -0.121+/-0.093 χ²/NDF:46.3/46
Out: 0.022+/-0.083 χ²/NDF:70.0/50
All: -0.042+/-0.062 χ²/NDF: 117.6/97


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: 394.016+/-0.081 χ²/NDF: 1481987.1/23
Left Out: 653.930+/-0.114 χ²/NDF:3124472.6/23
Right Out: 326.596+/-0.069 χ²/NDF: 3420872.1/26
Left In: 640.392+/-0.112 χ²/NDF:2647967.4/22
Left: 647.014+/-0.080 χ²/NDF: 5779634.4/46
Right: 354.737+/-0.052 χ²/NDF: 5305550.8/50
In: 479.126+/-0.066 χ²/NDF:7318543.7/46
Out: 413.606+/-0.059 χ²/NDF:12590472.6/50
All: 442.799+/-0.044 χ²/NDF: 20461963.1/97

asym_us_avg_at2lr_avg_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.111+/-0.115 χ^2/NDF: 16.3/23

Left Out: -0.053+/-0.161 χ^2/NDF:30.1/23

Right Out: 0.049+/-0.097 χ^2/NDF: 39.6/26

Left In: -0.138+/-0.158 χ^2/NDF:30.0/22

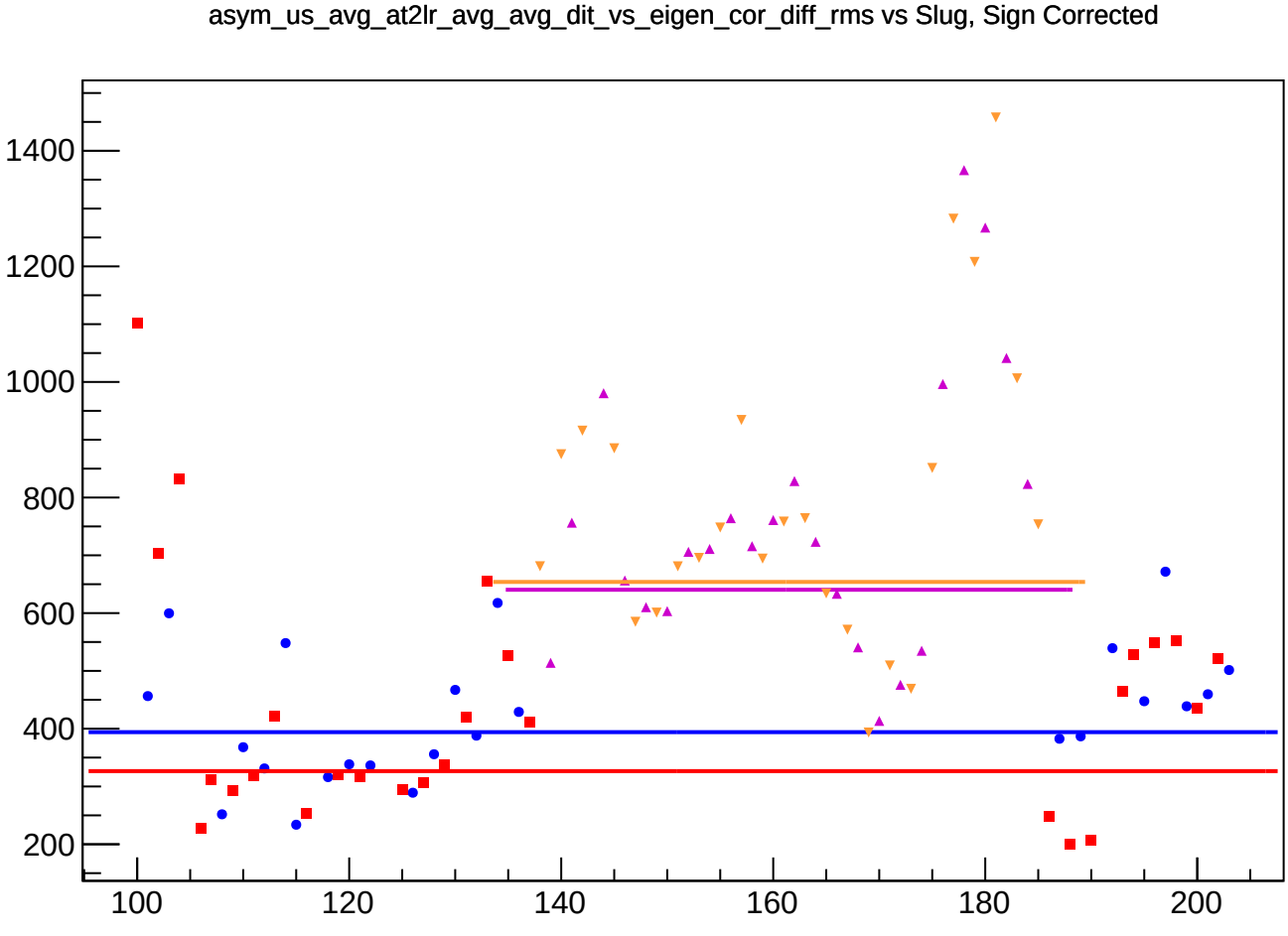
Left: -0.096+/-0.113 χ^2/NDF: 60.2/46

Right: -0.018+/-0.074 χ^2/NDF: 57.0/50

In: -0.121+/-0.093 χ^2/NDF:46.3/46

Out: 0.022+/-0.083 χ^2/NDF:70.0/50

All: -0.042+/-0.062 χ^2/NDF: 117.6/97



Right In: 394.016+/-0.081 χ^2/NDF: 1481987.1/23

Left Out: 653.930+/-0.114 χ^2/NDF:3124472.6/23

Right Out: 326.596+/-0.069 χ^2/NDF: 3420872.1/26

Left In: 640.392+/-0.112 χ^2/NDF:2647967.4/22

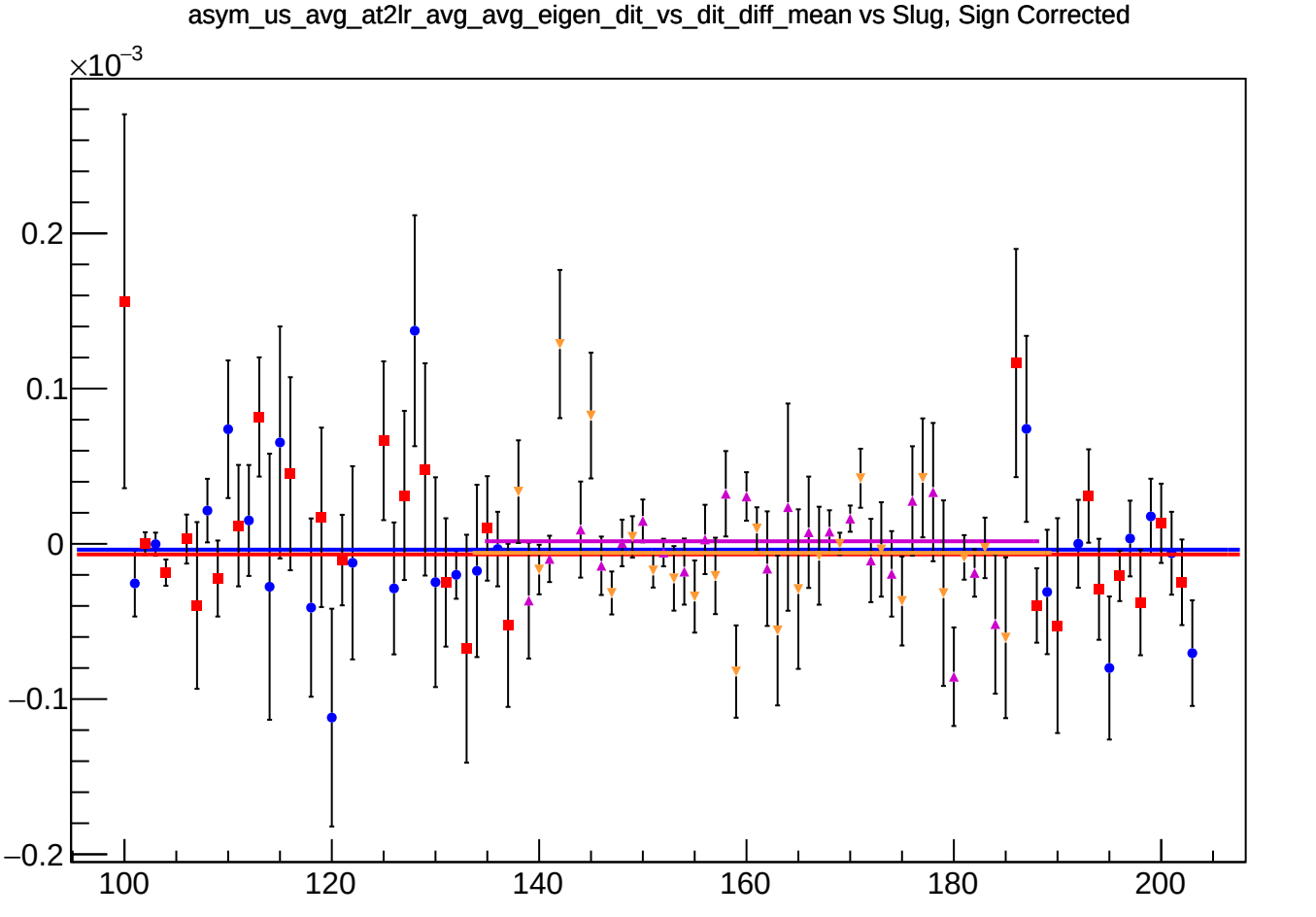
Left: 647.014+/-0.080 χ^2/NDF: 5779634.4/46

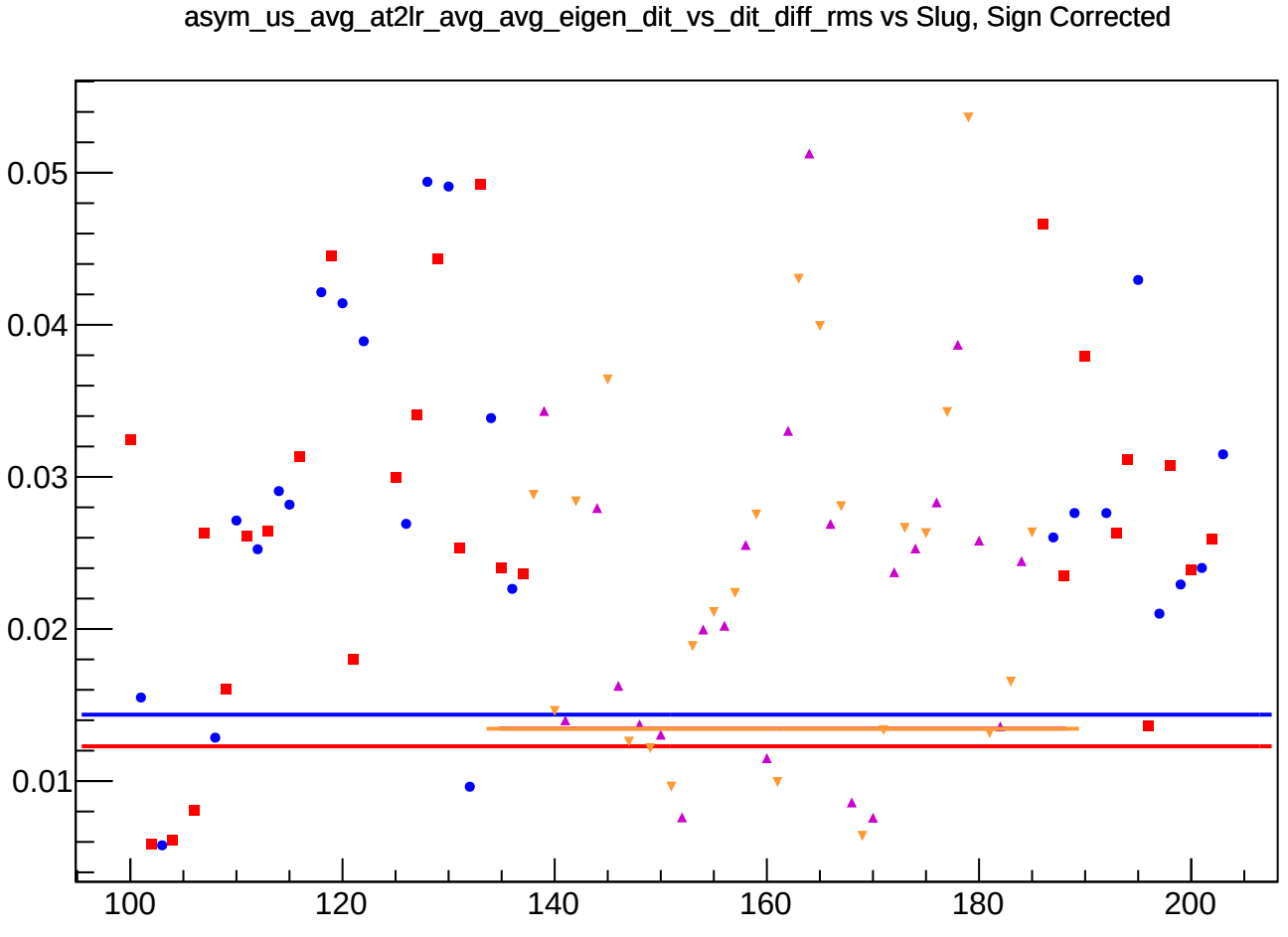
Right: 354.737+/-0.052 χ^2/NDF: 5305550.8/50

In: 479.126+/-0.066 χ^2/NDF:7318543.7/46

Out: 413.606+/-0.059 χ^2/NDF:12590472.6/50

All: 442.799+/-0.044 χ^2/NDF: 20461963.1/97


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: 24.7/23
Left Out: -0.000+/-0.000 χ²/NDF:42.6/23
Right Out: -0.000+/-0.000 χ²/NDF: 27.1/26
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: 52.0/50
In: -0.000+/-0.000 χ²/NDF:51.1/46
Out: -0.000+/-0.000 χ²/NDF:69.7/50
All: -0.000+/-0.000 χ²/NDF: 122.9/97



Right In: 0.014+/-0.000 χ^2/NDF: 8730780.5/23

Left Out: 0.013+/-0.000 χ^2/NDF:8856192.5/23

Right Out: 0.012+/-0.000 χ^2/NDF: 10206702.1/26

Left In: 0.013+/-0.000 χ^2/NDF:7548263.6/22

Left: 0.013+/-0.000 χ^2/NDF: 16404470.0/46

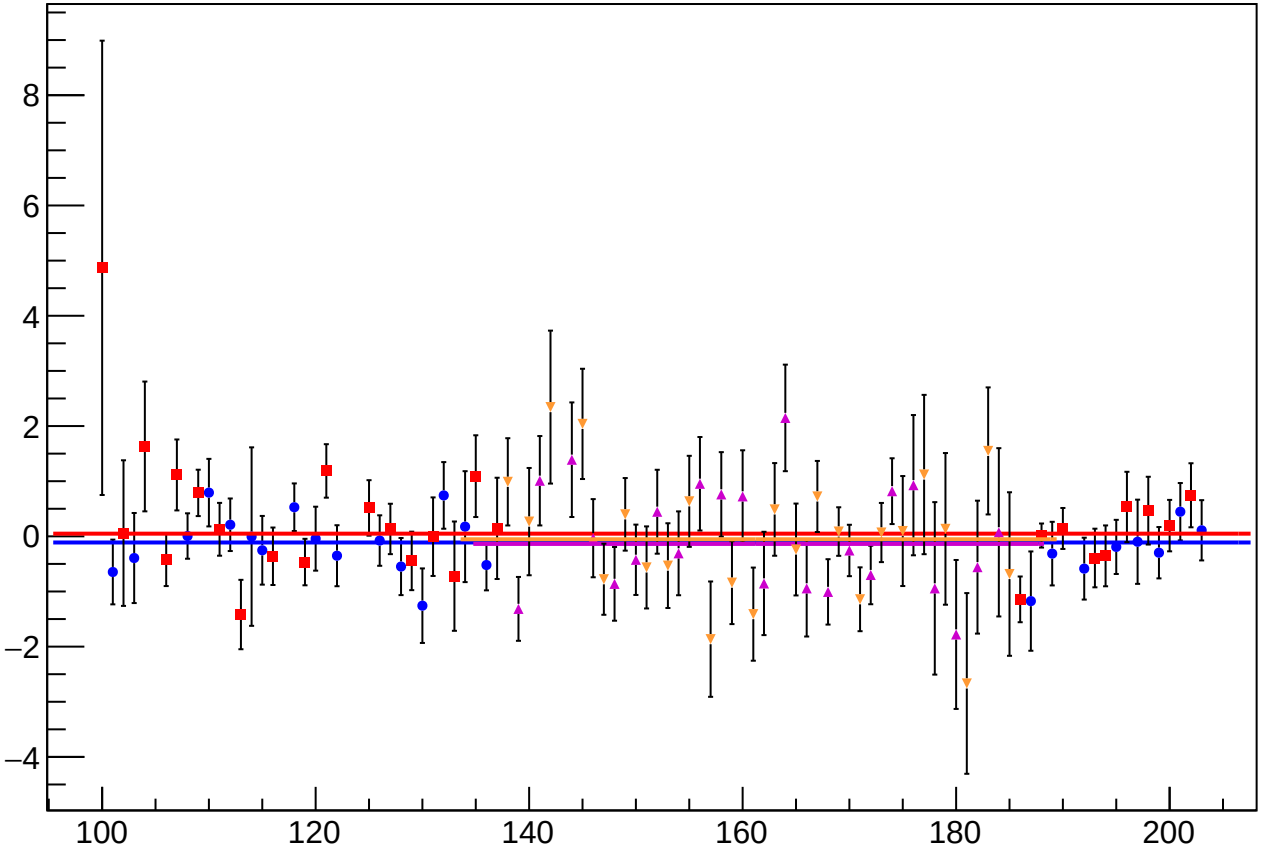
Right: 0.013+/-0.000 χ^2/NDF: 19141889.7/50

In: 0.014+/-0.000 χ^2/NDF:16322159.4/46

Out: 0.013+/-0.000 χ^2/NDF:19147685.4/50

All: 0.013+/-0.000 χ^2/NDF: 35556298.1/97

asym_us_avg_at2lr_avg_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.111+/-0.115 χ^2/NDF: 16.3/23

Left Out: -0.053+/-0.161 χ^2/NDF:30.1/23

Right Out: 0.049+/-0.097 χ^2/NDF: 39.6/26

Left In: -0.138+/-0.158 χ^2/NDF:30.0/22

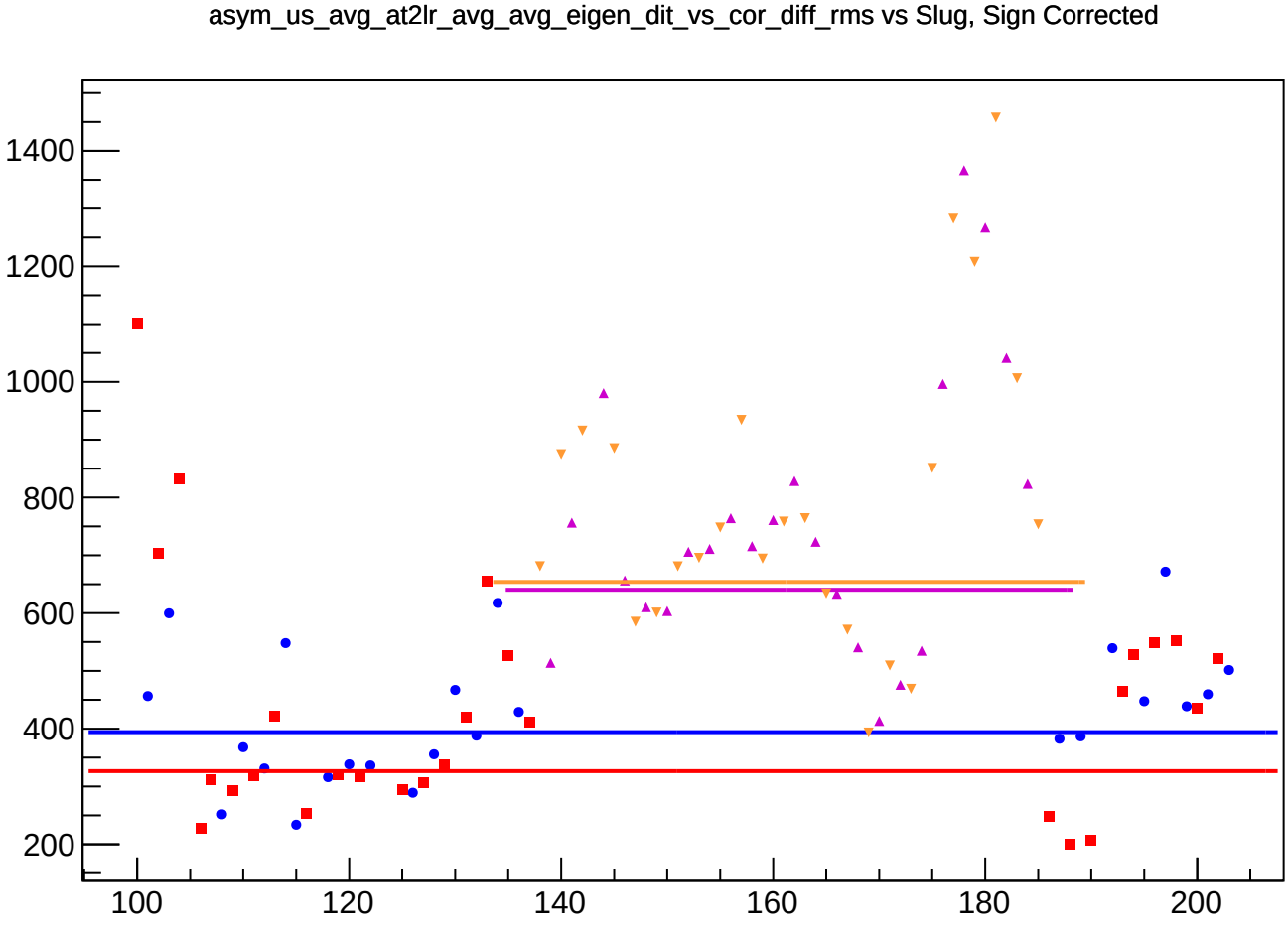
Left: -0.096+/-0.113 χ^2/NDF: 60.2/46

Right: -0.018+/-0.074 χ^2/NDF: 57.0/50

In: -0.121+/-0.093 χ^2/NDF:46.3/46

Out: 0.021+/-0.083 χ^2/NDF:70.0/50

All: -0.042+/-0.062 χ^2/NDF: 117.6/97



Right In: 394.016+/-0.081 χ^2/NDF: 1481976.7/23

Left Out: 653.930+/-0.114 χ^2/NDF:3124692.9/23

Right Out: 326.590+/-0.069 χ^2/NDF: 3421061.4/26

Left In: 640.395+/-0.112 χ^2/NDF:2648118.2/22

Left: 647.016+/-0.080 χ^2/NDF: 5780002.9/46

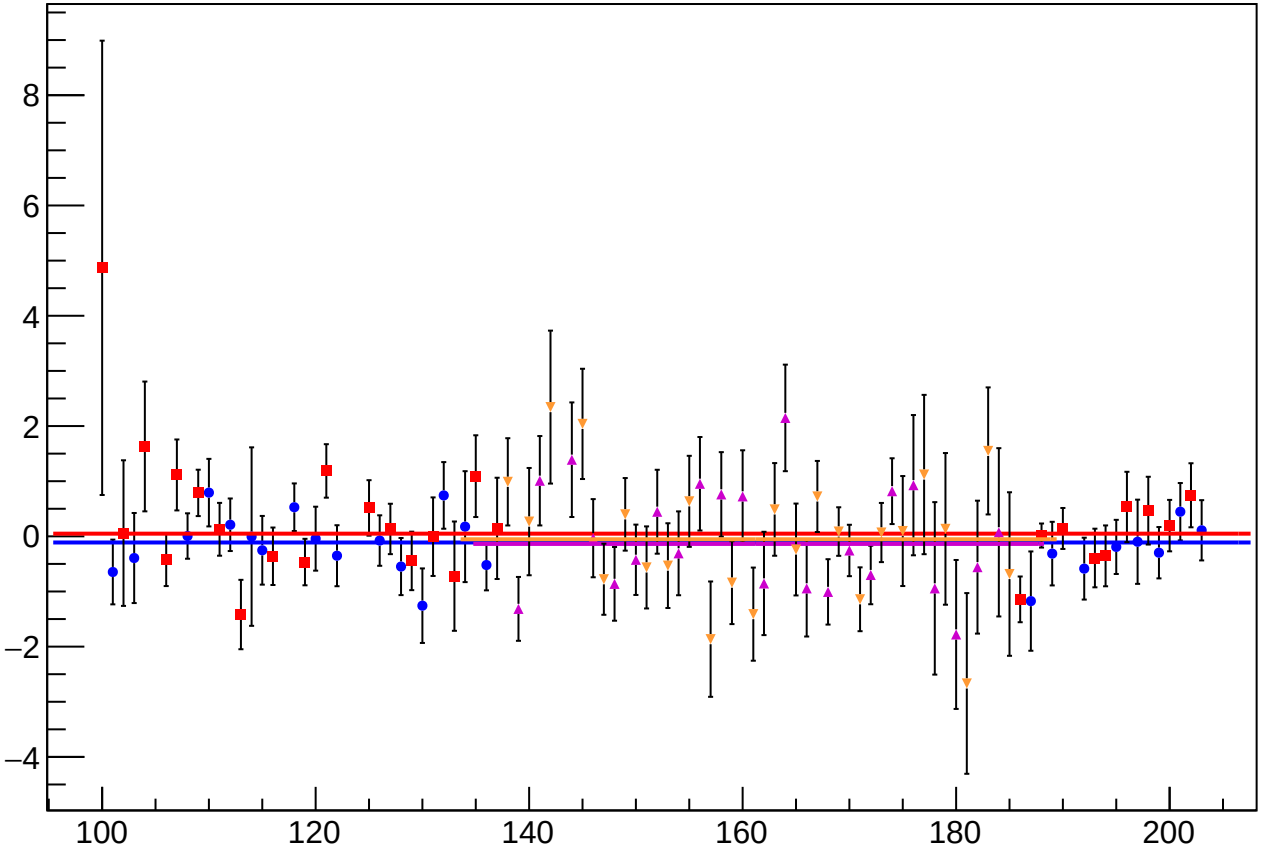
Right: 354.733+/-0.052 χ^2/NDF: 5305805.5/50

In: 479.126+/-0.066 χ^2/NDF:7318737.4/46

Out: 413.599+/-0.059 χ^2/NDF:12591133.2/50

All: 442.795+/-0.044 χ^2/NDF: 20462932.4/97

asym_us_avg_at2lr_avg_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.111+/-0.115 χ^2/NDF: 16.3/23

Left Out: -0.053+/-0.161 χ^2/NDF:30.1/23

Right Out: 0.049+/-0.097 χ^2/NDF: 39.6/26

Left In: -0.138+/-0.158 χ^2/NDF:30.0/22

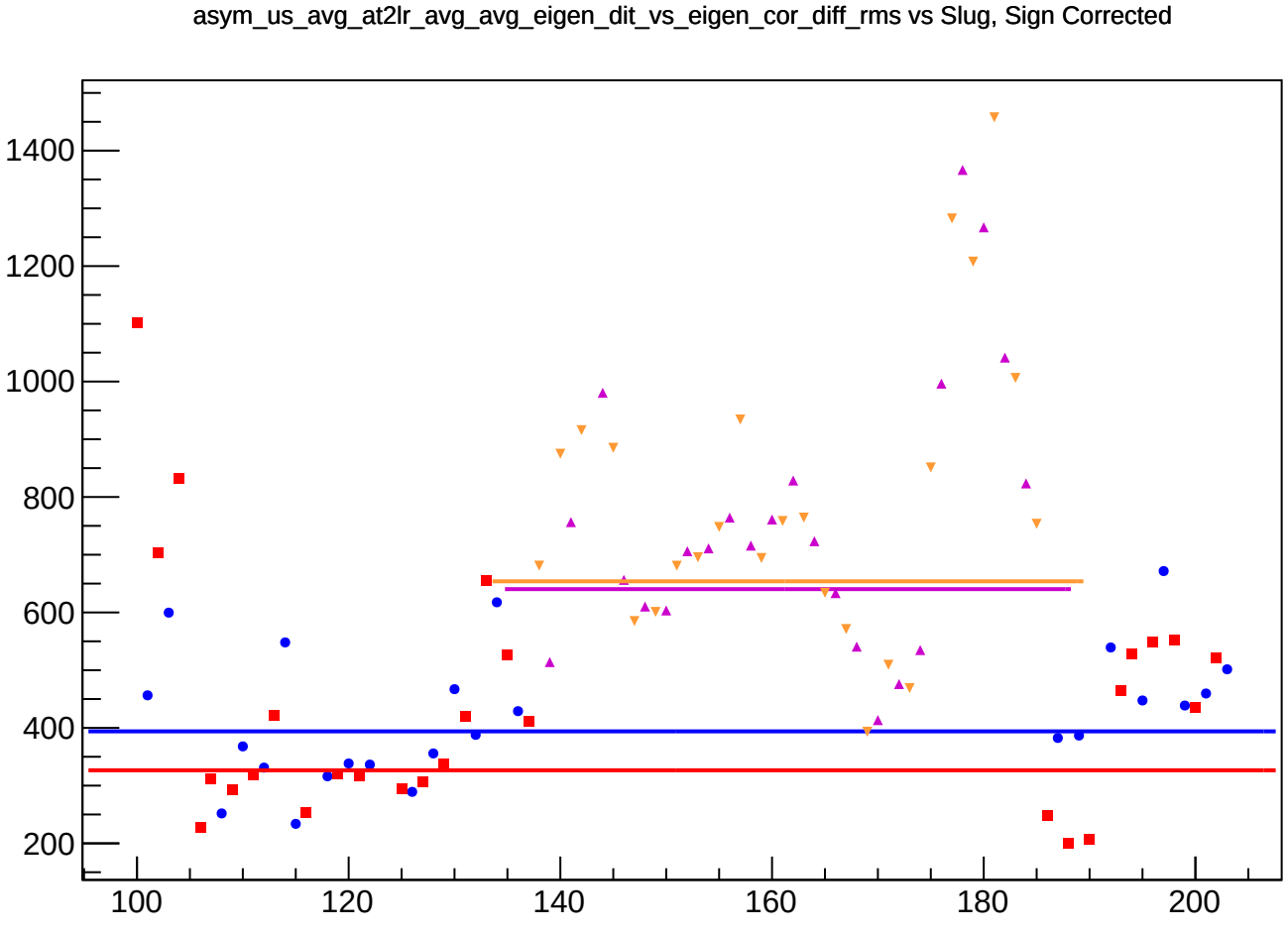
Left: -0.096+/-0.113 χ^2/NDF: 60.2/46

Right: -0.018+/-0.074 χ^2/NDF: 57.0/50

In: -0.121+/-0.093 χ^2/NDF:46.3/46

Out: 0.021+/-0.083 χ^2/NDF:70.0/50

All: -0.042+/-0.062 χ^2/NDF: 117.6/97



Right In: 394.016+/-0.081 χ^2/NDF: 1481976.7/23

Left Out: 653.930+/-0.114 χ^2/NDF:3124692.9/23

Right Out: 326.590+/-0.069 χ^2/NDF: 3421061.4/26

Left In: 640.395+/-0.112 χ^2/NDF:2648118.2/22

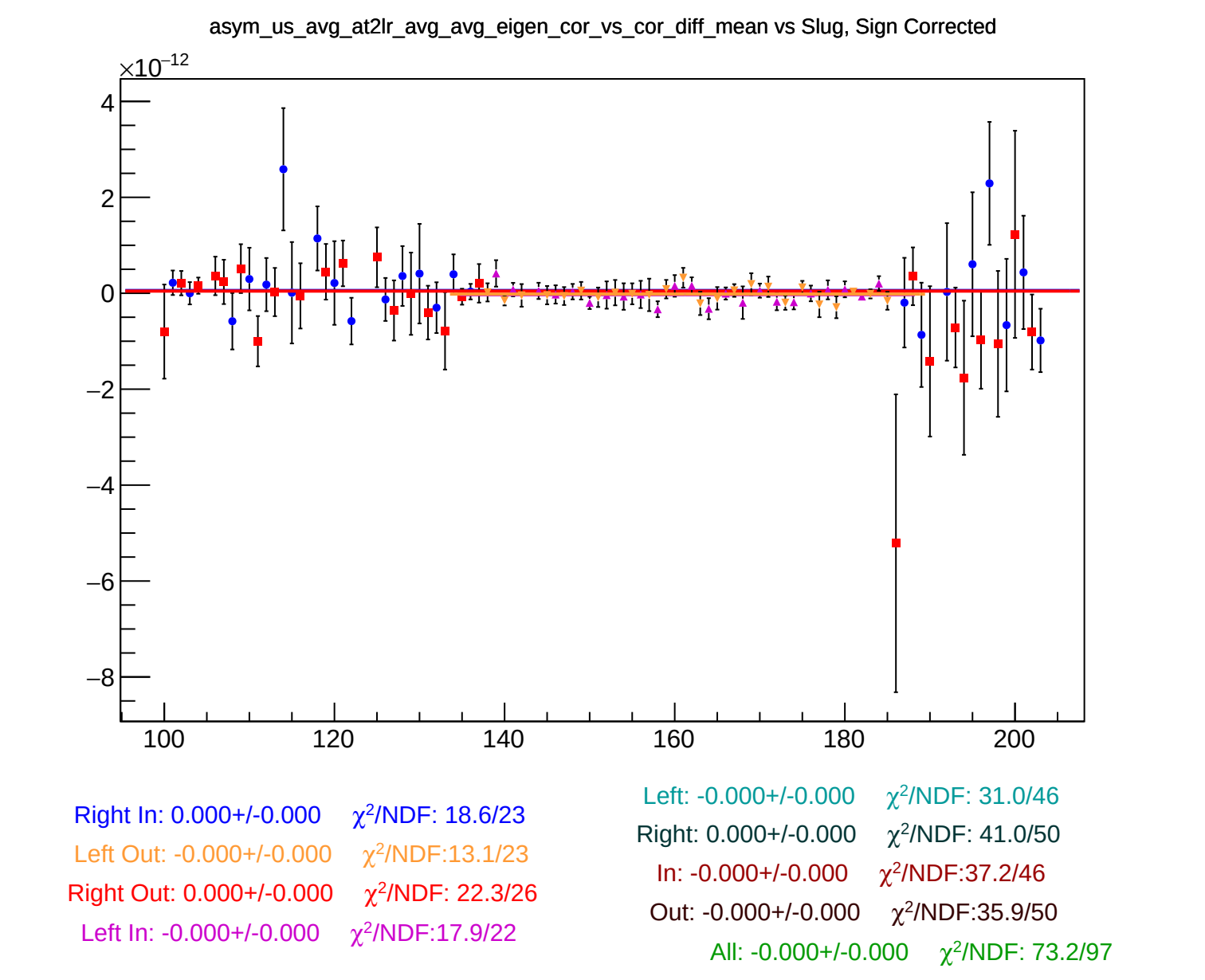
Left: 647.016+/-0.080 χ^2/NDF: 5780002.9/46

Right: 354.733+/-0.052 χ^2/NDF: 5305805.5/50

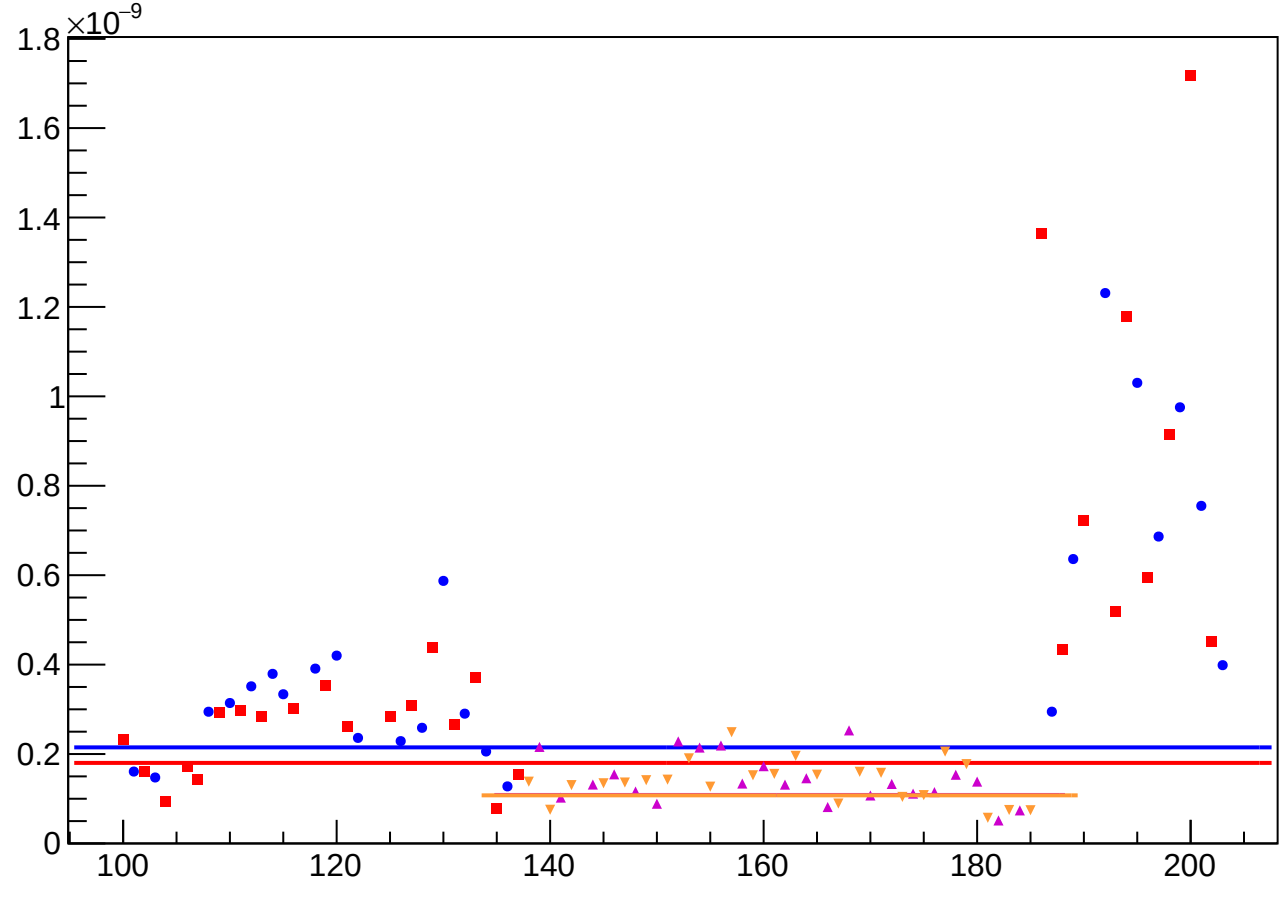
In: 479.126+/-0.066 χ^2/NDF:7318737.4/46

Out: 413.599+/-0.059 χ^2/NDF:12591133.2/50

All: 442.795+/-0.044 χ^2/NDF: 20462932.4/97


asym_us_avg_at2lr_avg_avg_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
4
2
0
−2
−4
−6
−8
100
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 18.6/23
Left Out: -0.000+/-0.000 χ²/NDF:13.1/23
Right Out: 0.000+/-0.000 χ²/NDF: 22.3/26
Left In: -0.000+/-0.000 χ²/NDF:17.9/22
Left: -0.000+/-0.000 χ²/NDF: 31.0/46
Right: 0.000+/-0.000 χ²/NDF: 41.0/50
In: -0.000+/-0.000 χ²/NDF:37.2/46
Out: -0.000+/-0.000 χ²/NDF:35.9/50
All: -0.000+/-0.000 χ²/NDF: 73.2/97

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: 5024928.5/23

Left Out: 0.000+/-0.000 χ^2/NDF:3452023.2/23

Right Out: 0.000+/-0.000 χ^2/NDF: 6408417.1/26

Left In: 0.000+/-0.000 χ^2/NDF:3869719.7/22

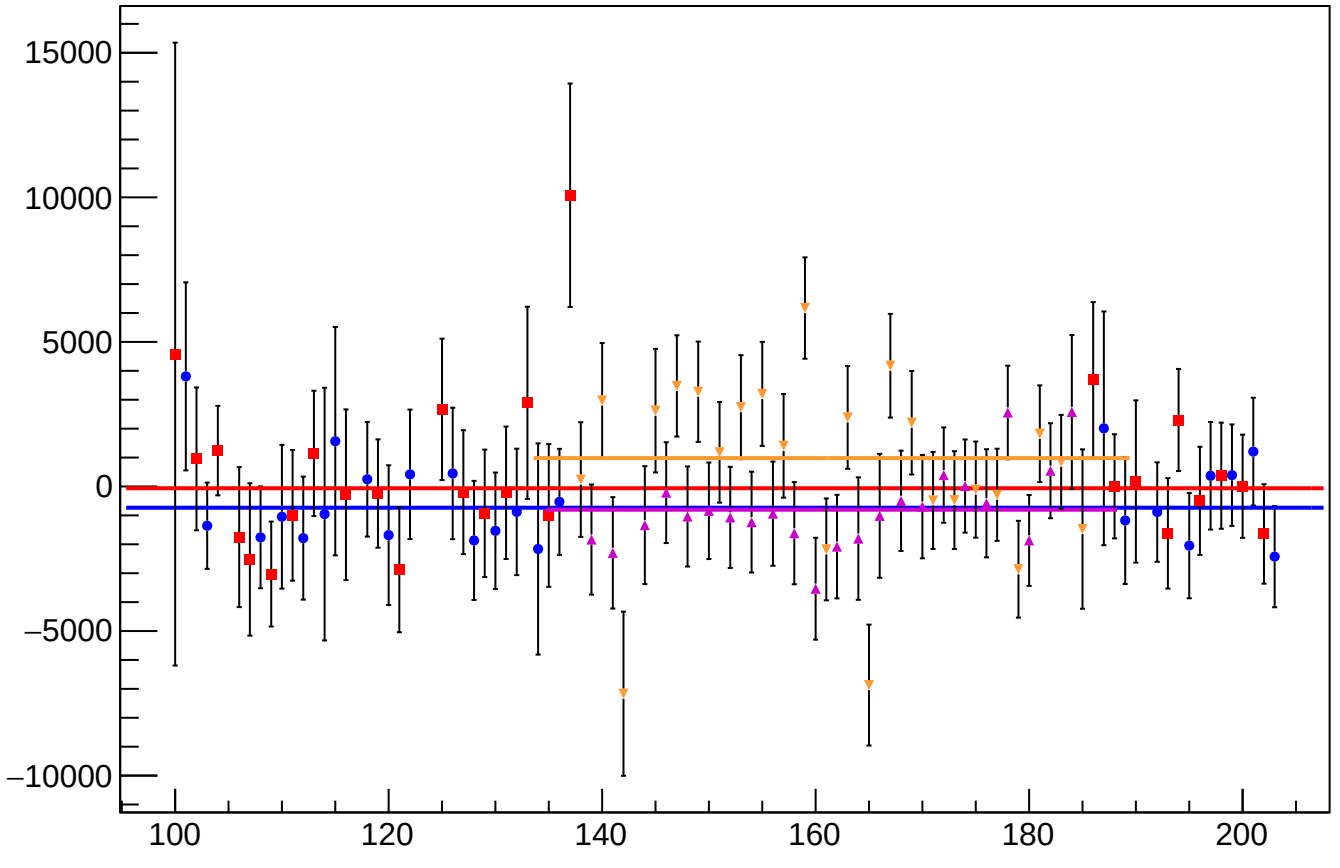
Left: 0.000+/-0.000 χ^2/NDF: 7322414.2/46

Right: 0.000+/-0.000 χ^2/NDF: 11588131.0/50

In: 0.000+/-0.000 χ^2/NDF:11202920.5/46

Out: 0.000+/-0.000 χ^2/NDF:11179666.8/50

All: 0.000+/-0.000 χ^2/NDF: 22390857.4/97



Right In: -734.530+/-430.965 χ^2/NDF: 8.4/23

Left Out: 981.627+/-370.843 χ^2/NDF:55.5/23

Right Out: -61.202+/-417.568 χ^2/NDF: 21.9/26

Left In: -803.908+/-374.066 χ^2/NDF:12.4/22

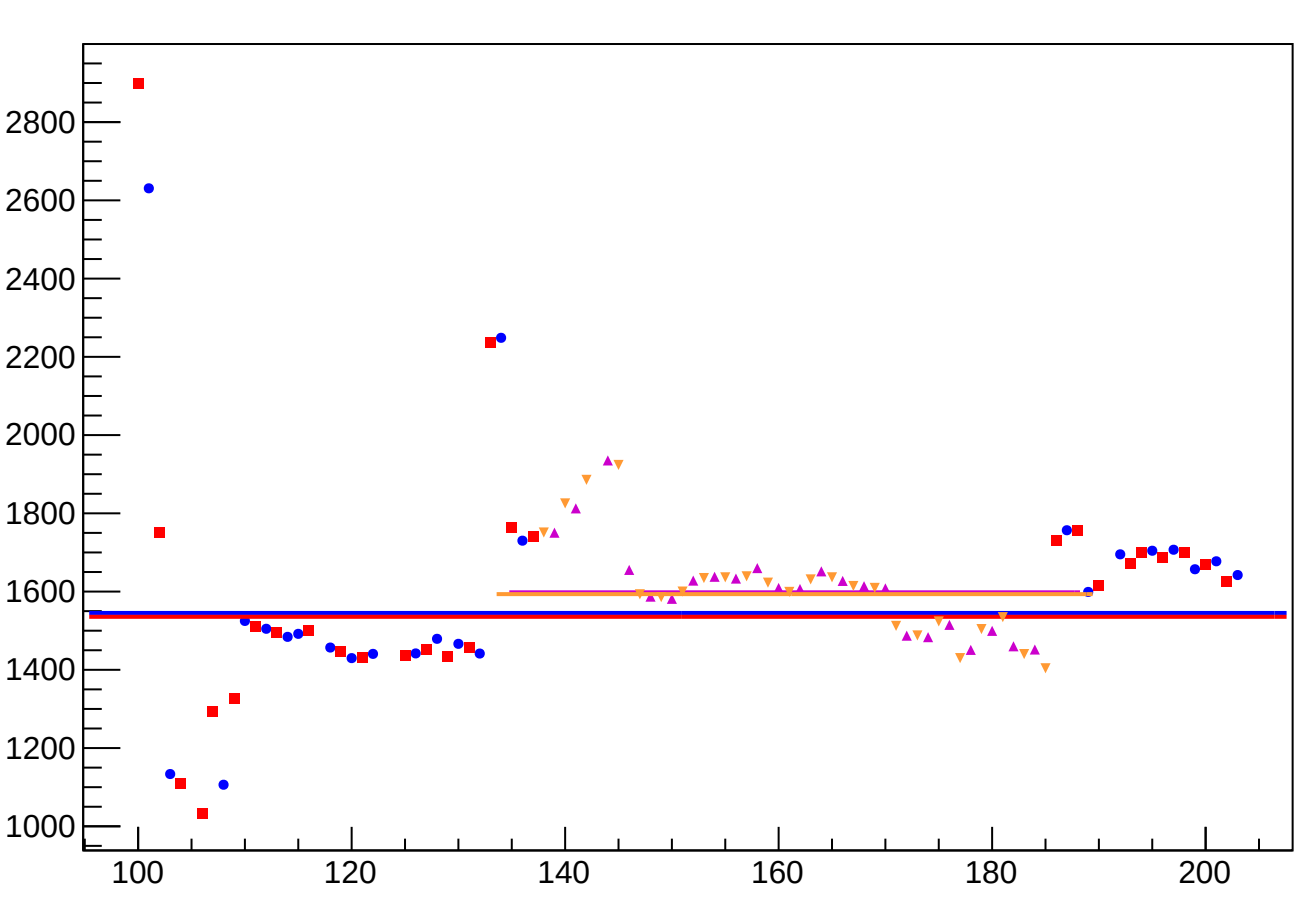
Left: 96.584+/-263.358 χ^2/NDF: 79.5/46

Right: -387.237+/-299.889 χ^2/NDF: 31.6/50

In: -774.098+/-282.495 χ^2/NDF:20.9/46

Out: 521.799+/-277.280 χ^2/NDF:80.9/50

All: -114.078+/-197.884 χ^2/NDF: 112.5/97



Right In: 1545.384+/-0.305 χ^2/NDF: 698826.0/23

Left Out: 1593.482+/-0.262 χ^2/NDF:187613.7/23

Right Out: 1535.496+/-0.294 χ^2/NDF: 603915.6/26

Left In: 1598.119+/-0.265 χ^2/NDF:169157.7/22

Left: 1595.780+/-0.186 χ^2/NDF: 356926.4/46

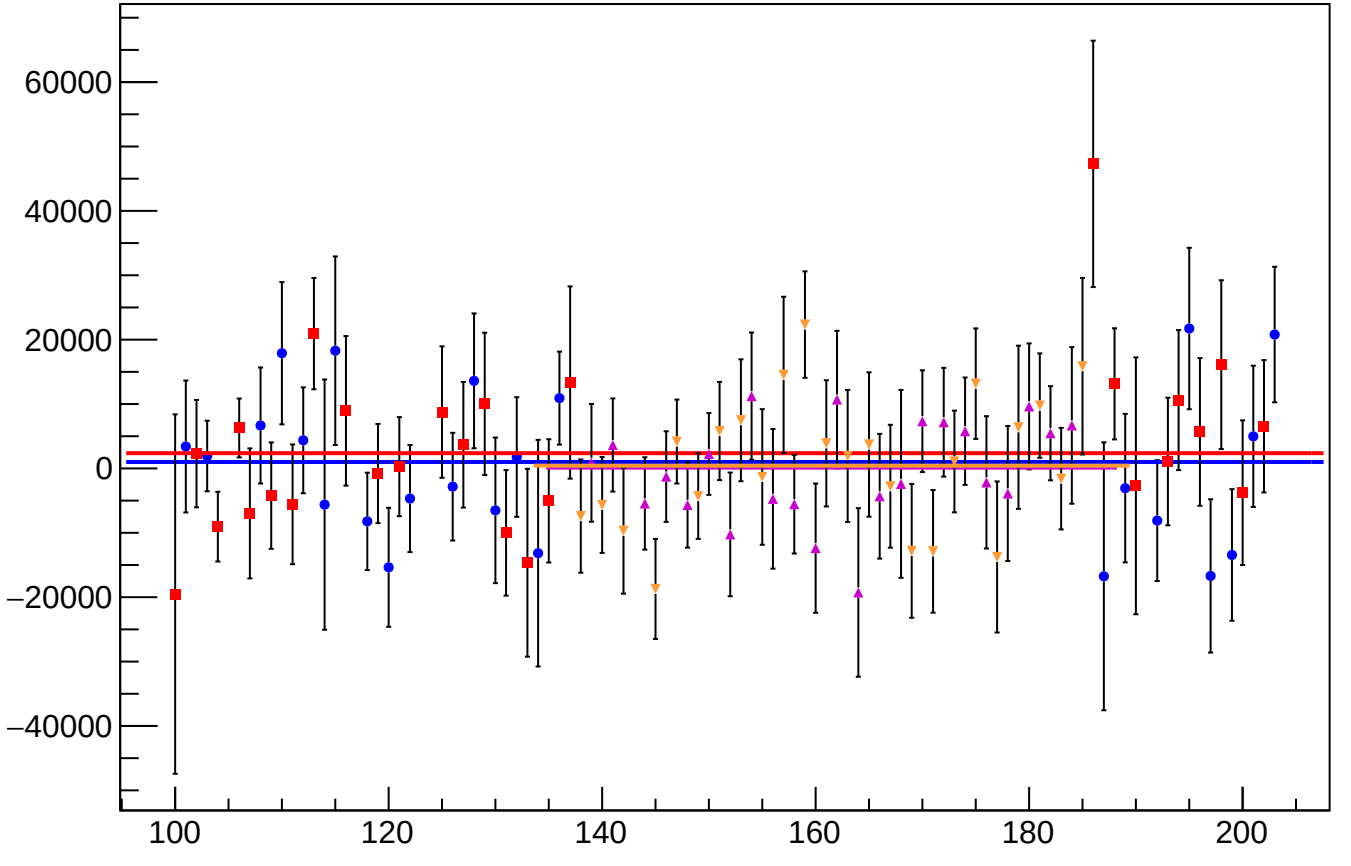
Right: 1540.262+/-0.212 χ^2/NDF: 1303287.0/50

In: 1575.460+/-0.200 χ^2/NDF:885062.8/46

Out: 1567.790+/-0.196 χ^2/NDF:813195.2/50

All: 1571.546+/-0.140 χ^2/NDF: 1699010.4/97

asym_us_avg_at2lr_avg_dd_reg_correction_mean vs Slug, Sign Corrected



Right In: 1001.266+/-1976.782 χ^2/NDF: 26.6/23

Left Out: 426.701+/-1819.878 χ^2/NDF:29.4/23

Right Out: 2367.621+/-1781.031 χ^2/NDF: 27.6/26

Left In: 126.369+/-1814.830 χ^2/NDF:13.9/22

Left: 276.118+/-1285.060 χ^2/NDF: 43.3/46

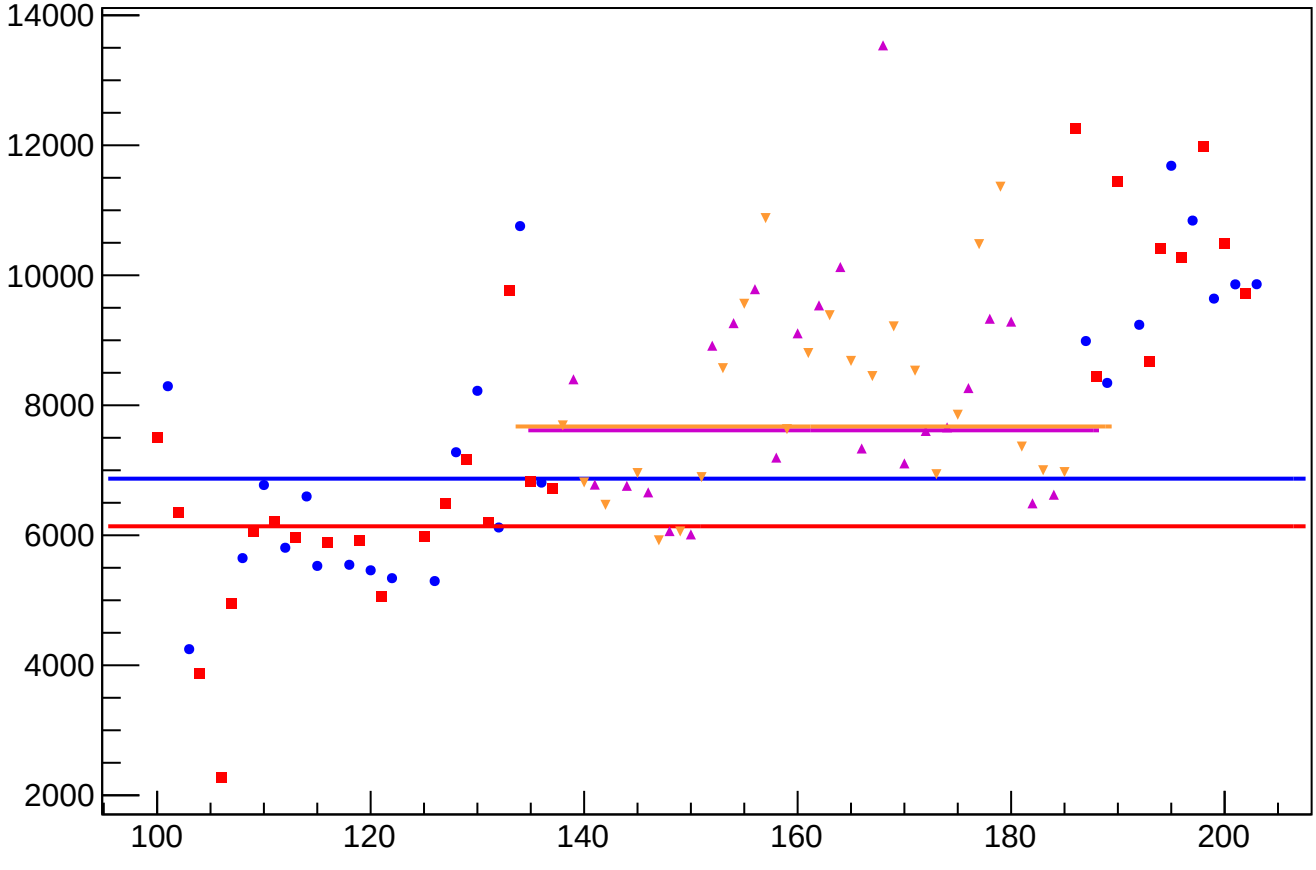
Right: 1755.427+/-1323.188 χ^2/NDF: 54.5/50

In: 526.516+/-1336.873 χ^2/NDF:40.6/46

Out: 1418.098+/-1272.891 χ^2/NDF:57.5/50

All: 994.152+/-921.859 χ^2/NDF: 98.4/97

asym_us_avg_at2lr_avg_dd_reg_correction_rms vs Slug, Sign Corrected



Right In: 6871.080+/-1.398 χ^2/NDF: 2128527.4/23

Left Out: 7674.060+/-1.287 χ^2/NDF:1076713.7/23

Right Out: 6138.341+/-1.259 χ^2/NDF: 4142994.4/26

Left In: 7614.974+/-1.283 χ^2/NDF:1224520.2/22

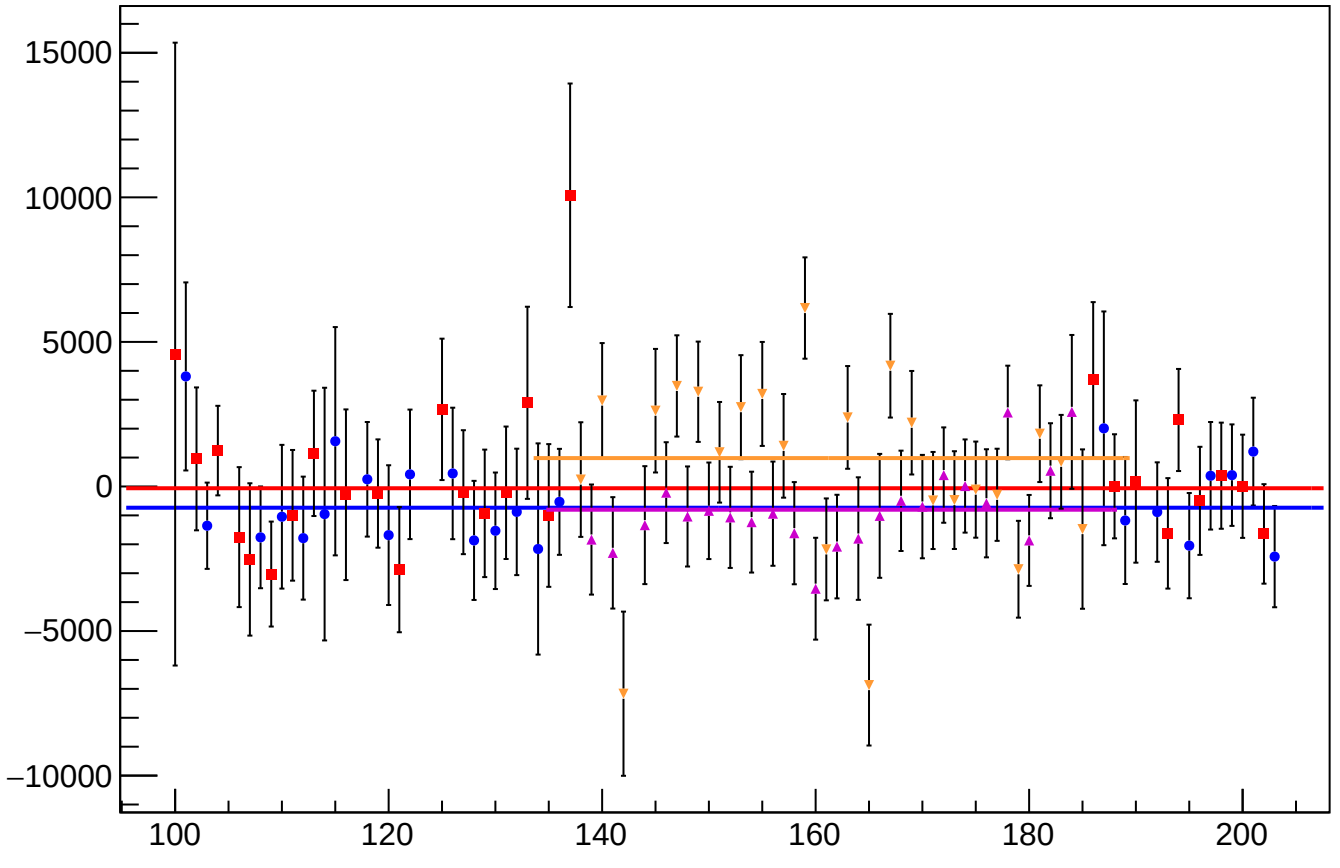
Left: 7644.435+/-0.909 χ^2/NDF: 2302291.0/46

Right: 6466.644+/-0.936 χ^2/NDF: 6423196.1/50

In: 7274.743+/-0.945 χ^2/NDF:3506736.5/46

Out: 6889.635+/-0.900 χ^2/NDF:5947167.8/50

All: 7072.753+/-0.652 χ^2/NDF: 9540953.1/97



Right In: -734.597+/-430.965 χ^2/NDF: 8.4/23

Left Out: 981.712+/-370.843 χ^2/NDF:55.6/23

Right Out: -61.122+/-417.568 χ^2/NDF: 21.9/26

Left In: -803.783+/-374.066 χ^2/NDF:12.4/22

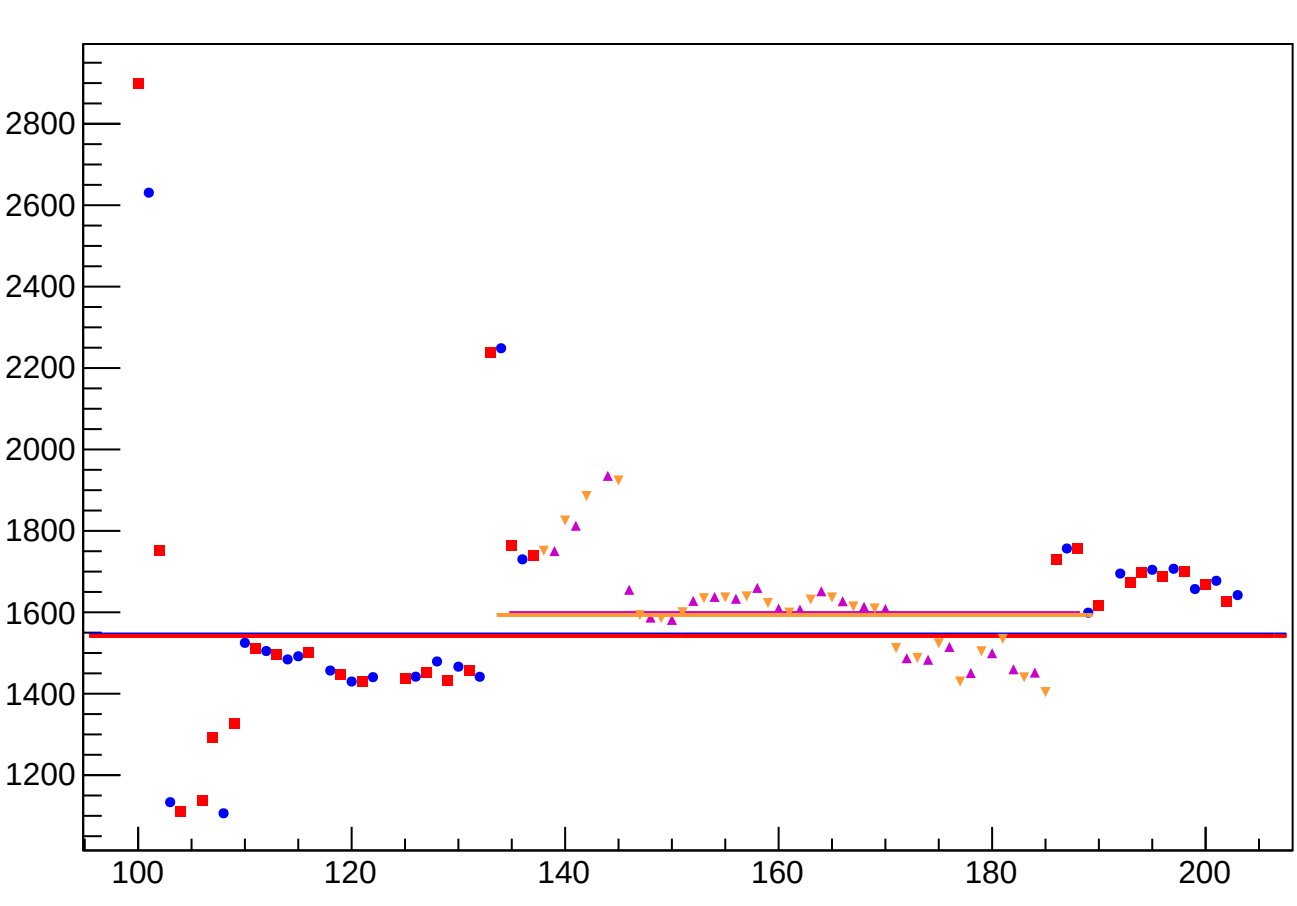
Left: 96.688+/-263.358 χ^2/NDF: 79.5/46

Right: -387.229+/-299.889 χ^2/NDF: 31.6/50

In: -774.056+/-282.495 χ^2/NDF:20.9/46

Out: 521.881+/-277.280 χ^2/NDF:80.9/50

All: -114.015+/-197.884 χ^2/NDF: 112.5/97



Right In: 1545.384+/-0.305 χ^2/NDF: 698826.4/23

Left Out: 1593.482+/-0.262 χ^2/NDF:187613.7/23

Right Out: 1541.852+/-0.295 χ^2/NDF: 551398.6/26

Left In: 1598.119+/-0.265 χ^2/NDF:169157.7/22

Left: 1595.780+/-0.186 χ^2/NDF: 356926.4/46

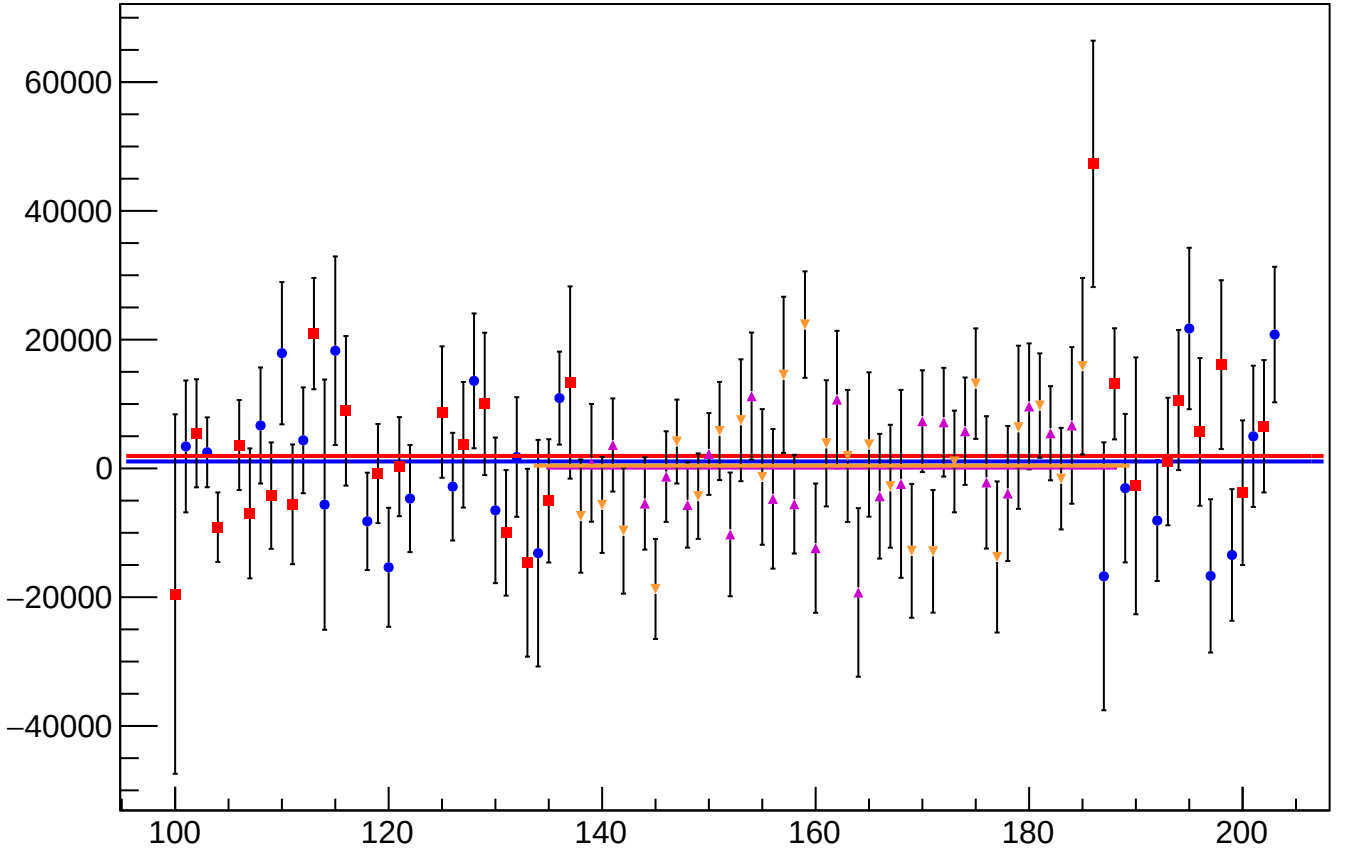
Right: 1543.560+/-0.212 χ^2/NDF: 1250294.4/50

In: 1575.460+/-0.200 χ^2/NDF:885063.2/46

Out: 1570.682+/-0.196 χ^2/NDF:756131.2/50

All: 1573.025+/-0.140 χ^2/NDF: 1641485.9/97

asym_us_avg_at2lr_avg_dd_cor_correction_mean vs Slug, Sign Corrected



Right In: 1079.439+/-1974.285 χ^2/NDF: 26.7/23

Left Out: 426.702+/-1819.879 χ^2/NDF:29.4/23

Right Out: 1943.302+/-1863.702 χ^2/NDF: 27.0/26

Left In: 126.376+/-1814.828 χ^2/NDF:13.9/22

Left: 276.121+/-1285.059 χ^2/NDF: 43.3/46

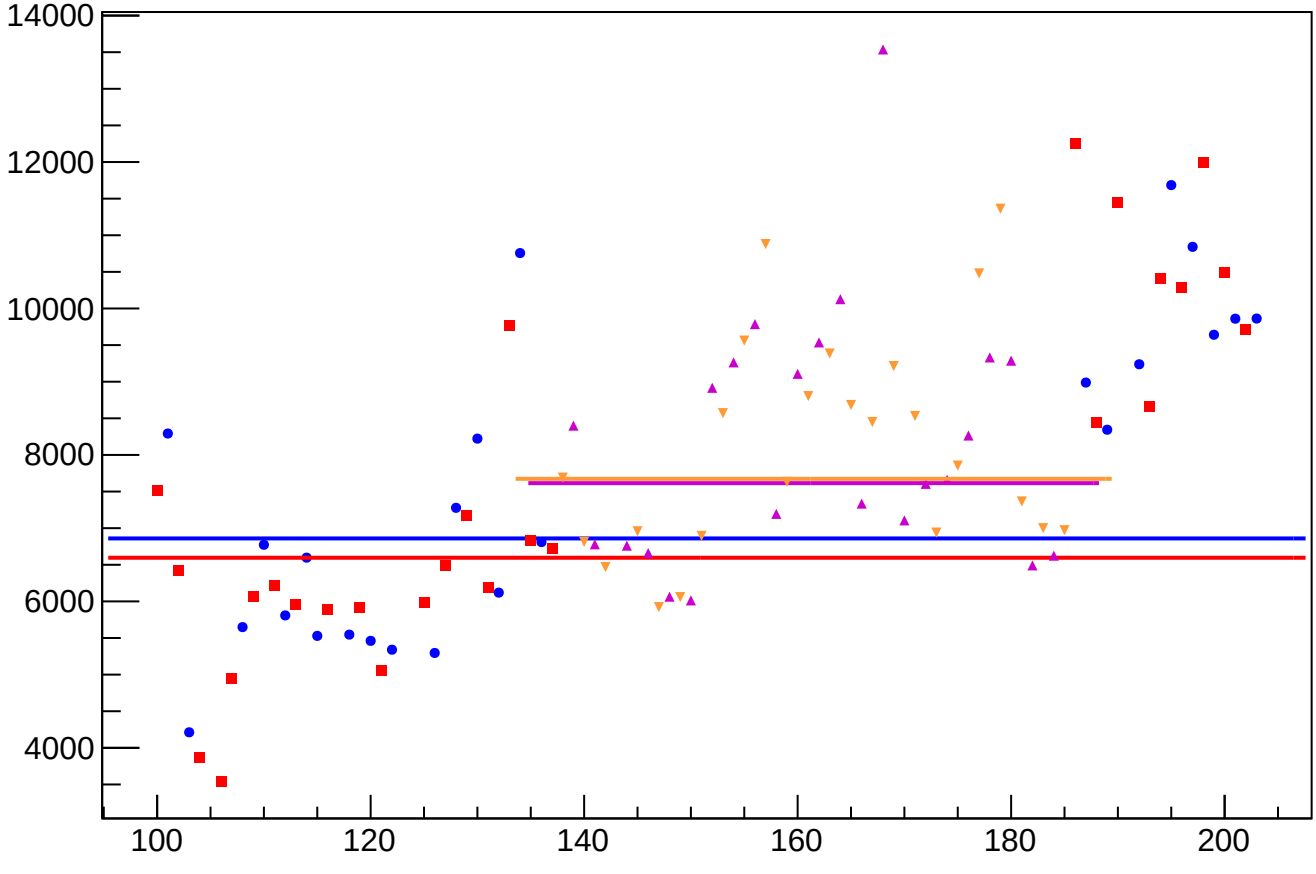
Right: 1536.240+/-1355.245 χ^2/NDF: 53.8/50

In: 562.871+/-1336.099 χ^2/NDF:40.7/46

Out: 1166.961+/-1302.066 χ^2/NDF:56.8/50

All: 872.708+/-932.499 χ^2/NDF: 97.5/97

asym_us_avg_at2lr_avg_dd_cor_correction_rms vs Slug, Sign Corrected



Right In: 6859.720+/-1.396 χ^2/NDF: 2150141.1/23

Left Out: 7674.063+/-1.287 χ^2/NDF:1076712.6/23

Right Out: 6596.009+/-1.318 χ^2/NDF: 2874712.9/26

Left In: 7614.964+/-1.283 χ^2/NDF:1224525.6/22

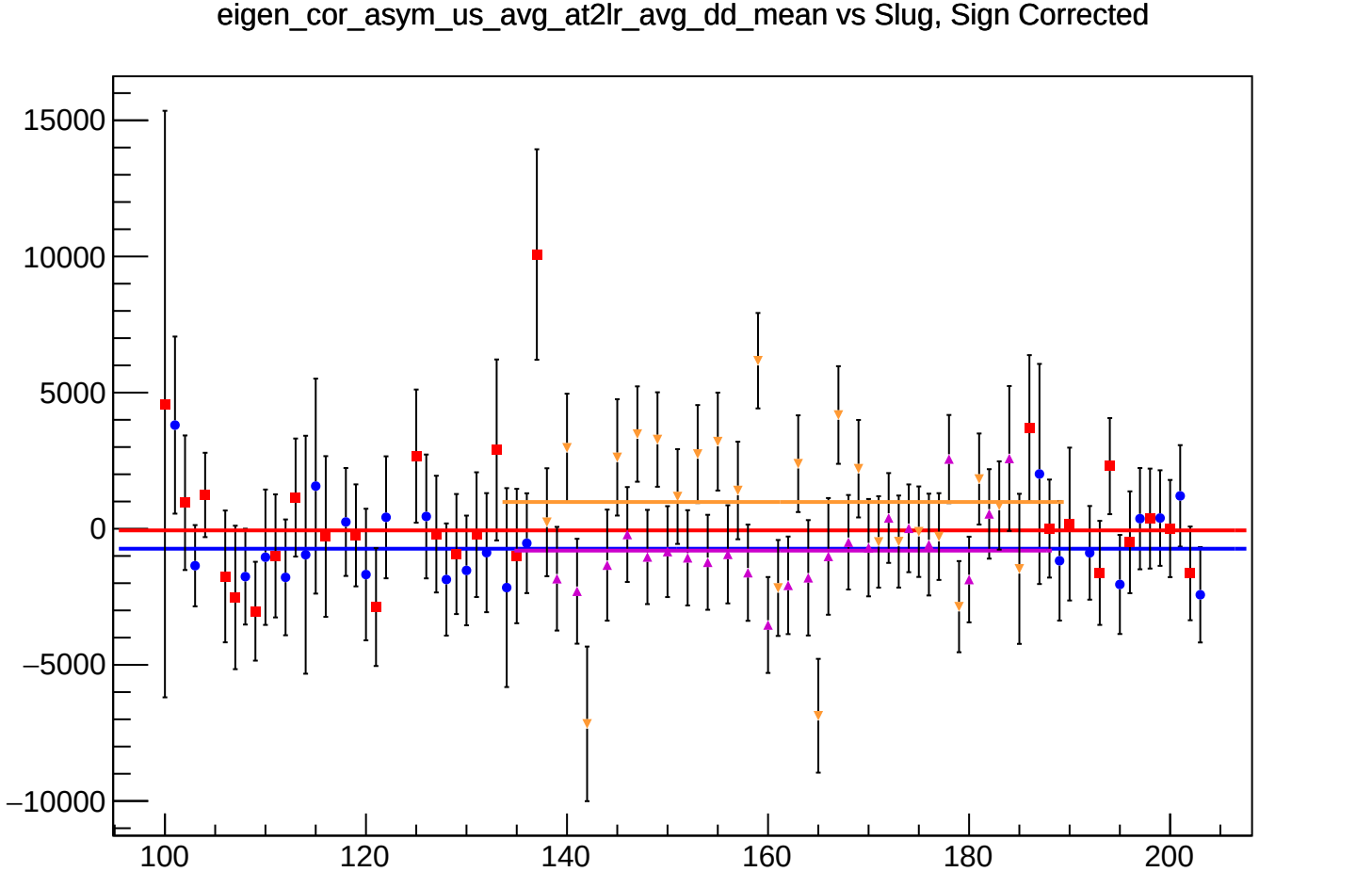
Left: 7644.431+/-0.909 χ^2/NDF: 2302295.7/46

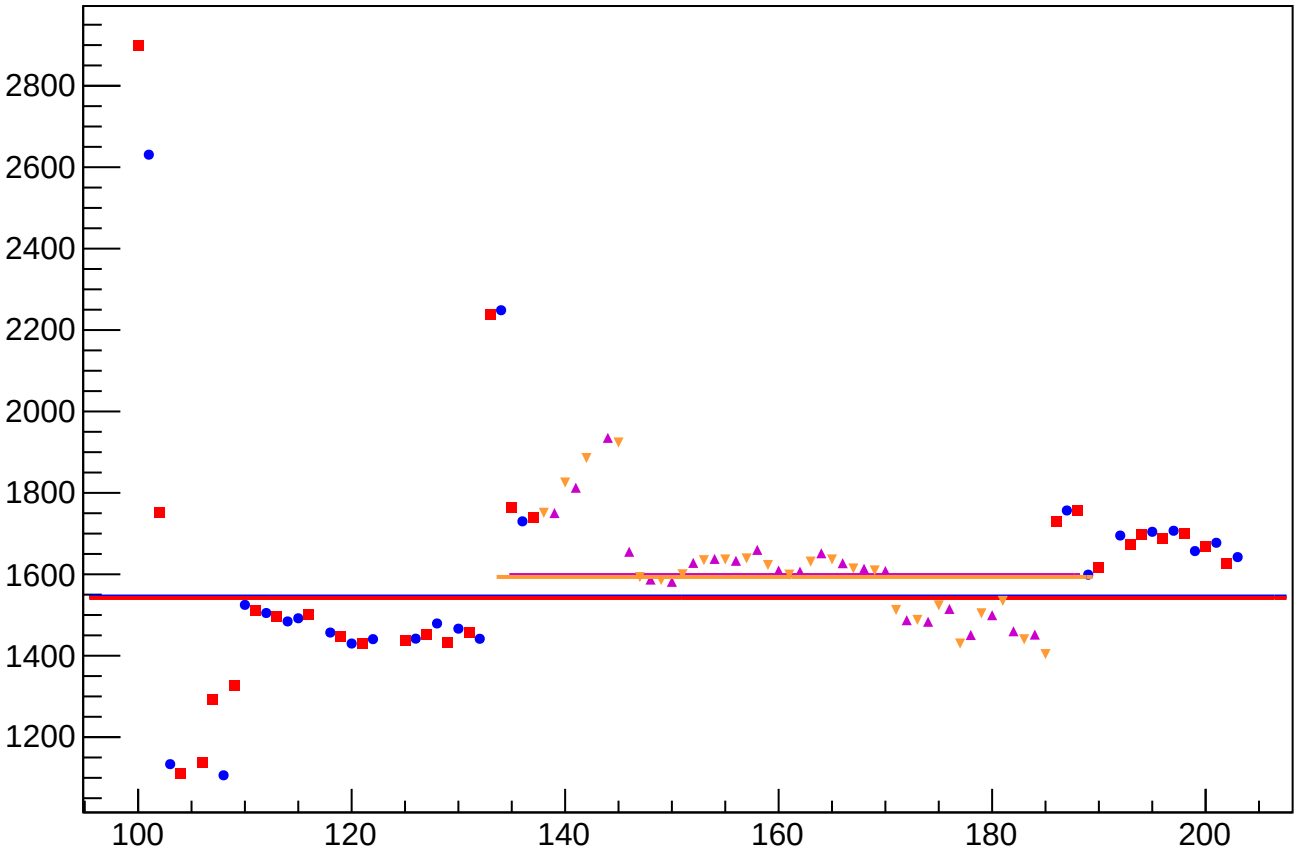
Right: 6720.273+/-0.958 χ^2/NDF: 5043722.9/50

In: 7269.069+/-0.945 χ^2/NDF:3533298.9/46

Out: 7147.860+/-0.921 χ^2/NDF:4293987.0/50

All: 7206.901+/-0.659 χ^2/NDF: 7835728.1/97


eigen_cor_asym_us_avg_at2lr_avg_dd_mean vs Slug, Sign Corrected
15000
10000
5000
0
−5000
−10000
100
120
140
160
180
200
Right In: -734.597+/-430.965 χ²/NDF: 8.4/23
Left Out: 981.712+/-370.843 χ²/NDF:55.6/23
Right Out: -61.122+/-417.568 χ²/NDF: 21.9/26
Left In: -803.783+/-374.066 χ²/NDF:12.4/22
Left: 96.688+/-263.358 χ²/NDF: 79.5/46
Right: -387.229+/-299.889 χ²/NDF: 31.6/50
In: -774.056+/-282.495 χ²/NDF:20.9/46
Out: 521.881+/-277.280 χ²/NDF:80.9/50
All: -114.015+/-197.884 χ²/NDF: 112.5/97



Right In: 1545.384+/-0.305 χ^2/NDF: 698826.4/23

Left Out: 1593.482+/-0.262 χ^2/NDF:187613.7/23

Right Out: 1541.852+/-0.295 χ^2/NDF: 551398.6/26

Left In: 1598.119+/-0.265 χ^2/NDF:169157.7/22

Left: 1595.780+/-0.186 χ^2/NDF: 356926.4/46

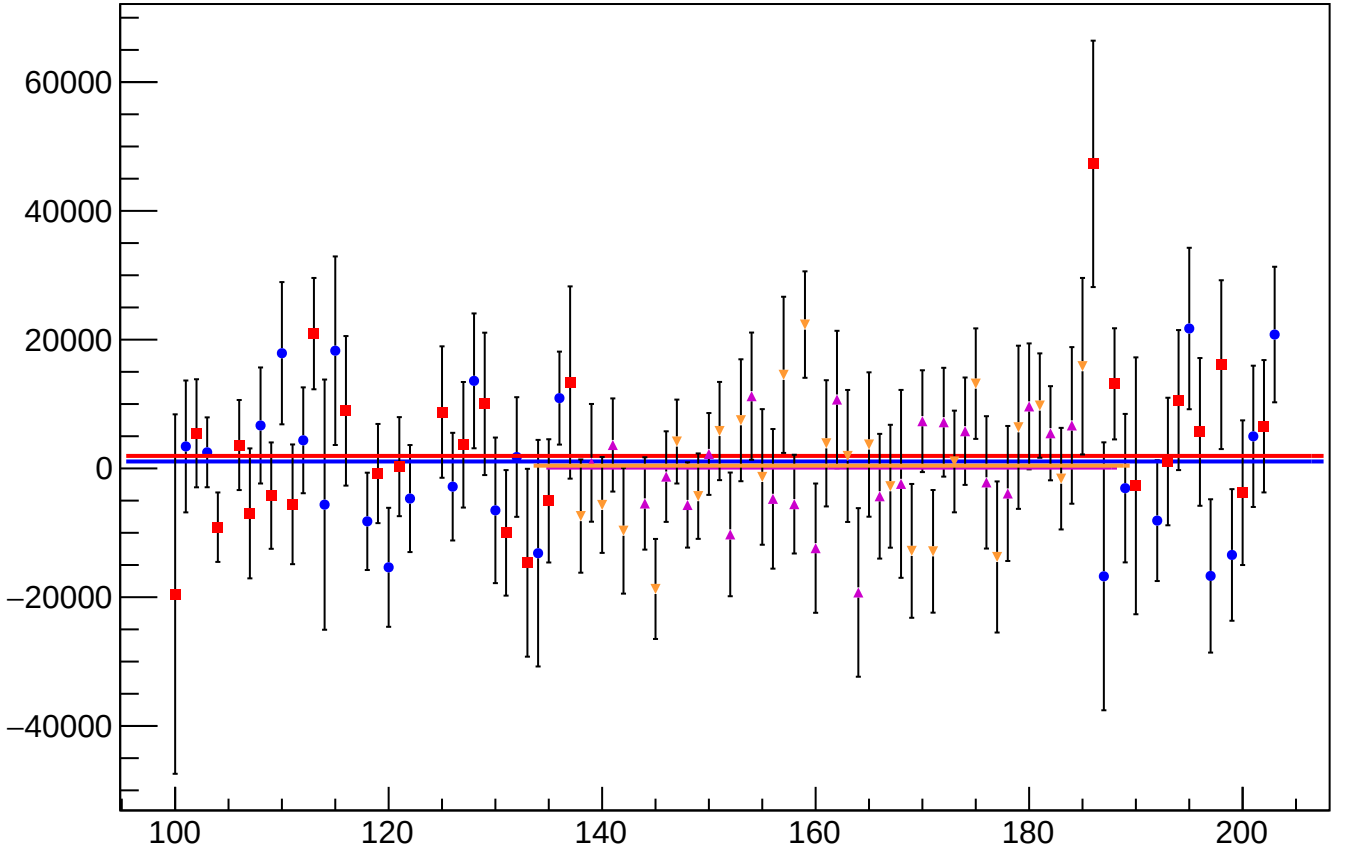
Right: 1543.560+/-0.212 χ^2/NDF: 1250294.4/50

In: 1575.460+/-0.200 χ^2/NDF:885063.2/46

Out: 1570.682+/-0.196 χ^2/NDF:756131.2/50

All: 1573.025+/-0.140 χ^2/NDF: 1641485.9/97

asym_us_avg_at2lr_avg_dd_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: 1079.439+/-1974.285 χ^2/NDF: 26.7/23

Left Out: 426.702+/-1819.879 χ^2/NDF:29.4/23

Right Out: 1943.302+/-1863.702 χ^2/NDF: 27.0/26

Left In: 126.376+/-1814.828 χ^2/NDF:13.9/22

Left: 276.121+/-1285.059 χ^2/NDF: 43.3/46

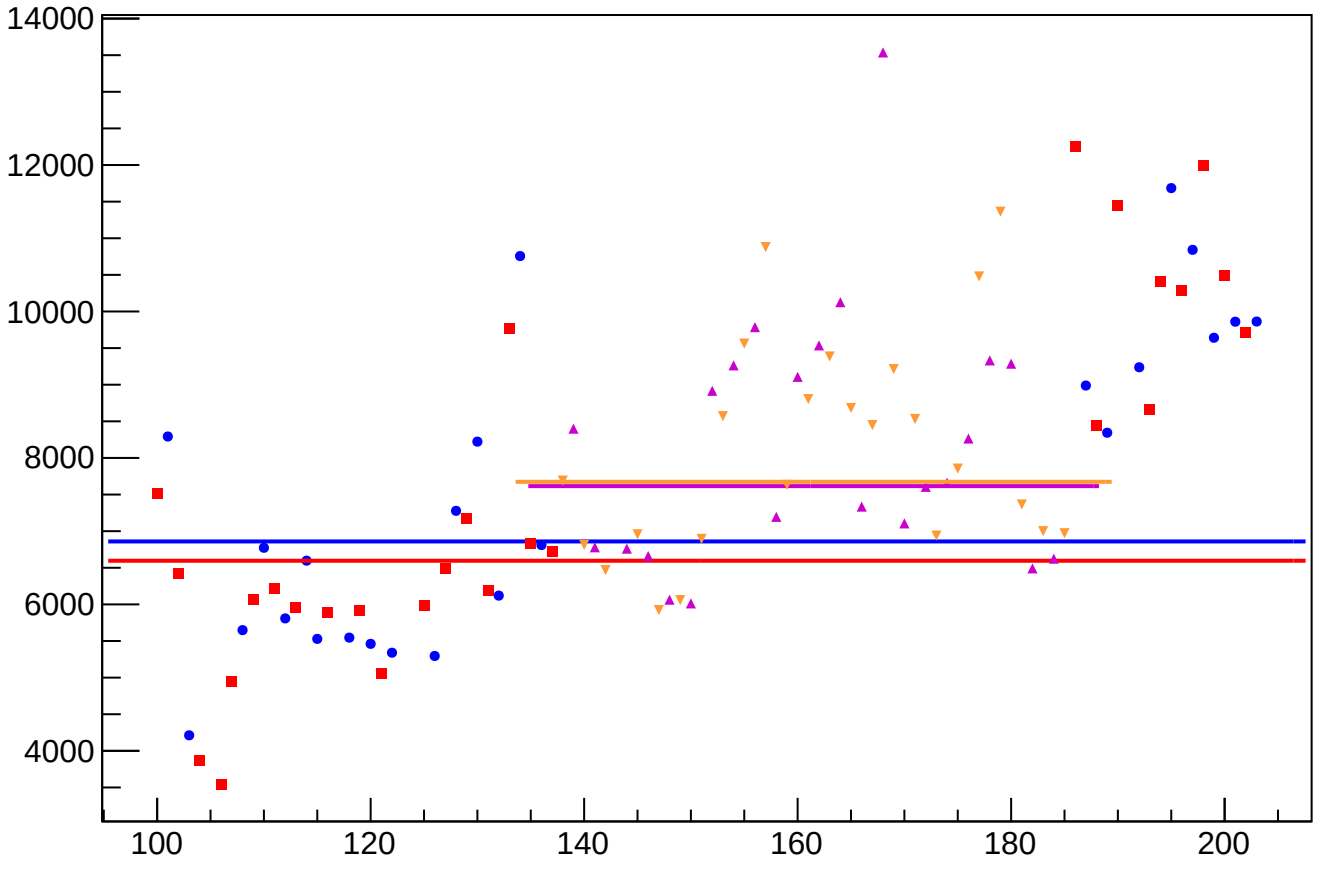
Right: 1536.240+/-1355.245 χ^2/NDF: 53.8/50

In: 562.871+/-1336.099 χ^2/NDF:40.7/46

Out: 1166.961+/-1302.066 χ^2/NDF:56.8/50

All: 872.708+/-932.499 χ^2/NDF: 97.5/97

asym_us_avg_at2lr_avg_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 6859.720+/-1.396 χ^2/NDF: 2150141.1/23

Left Out: 7674.063+/-1.287 χ^2/NDF:1076712.6/23

Right Out: 6596.009+/-1.318 χ^2/NDF: 2874712.9/26

Left In: 7614.964+/-1.283 χ^2/NDF:1224525.6/22

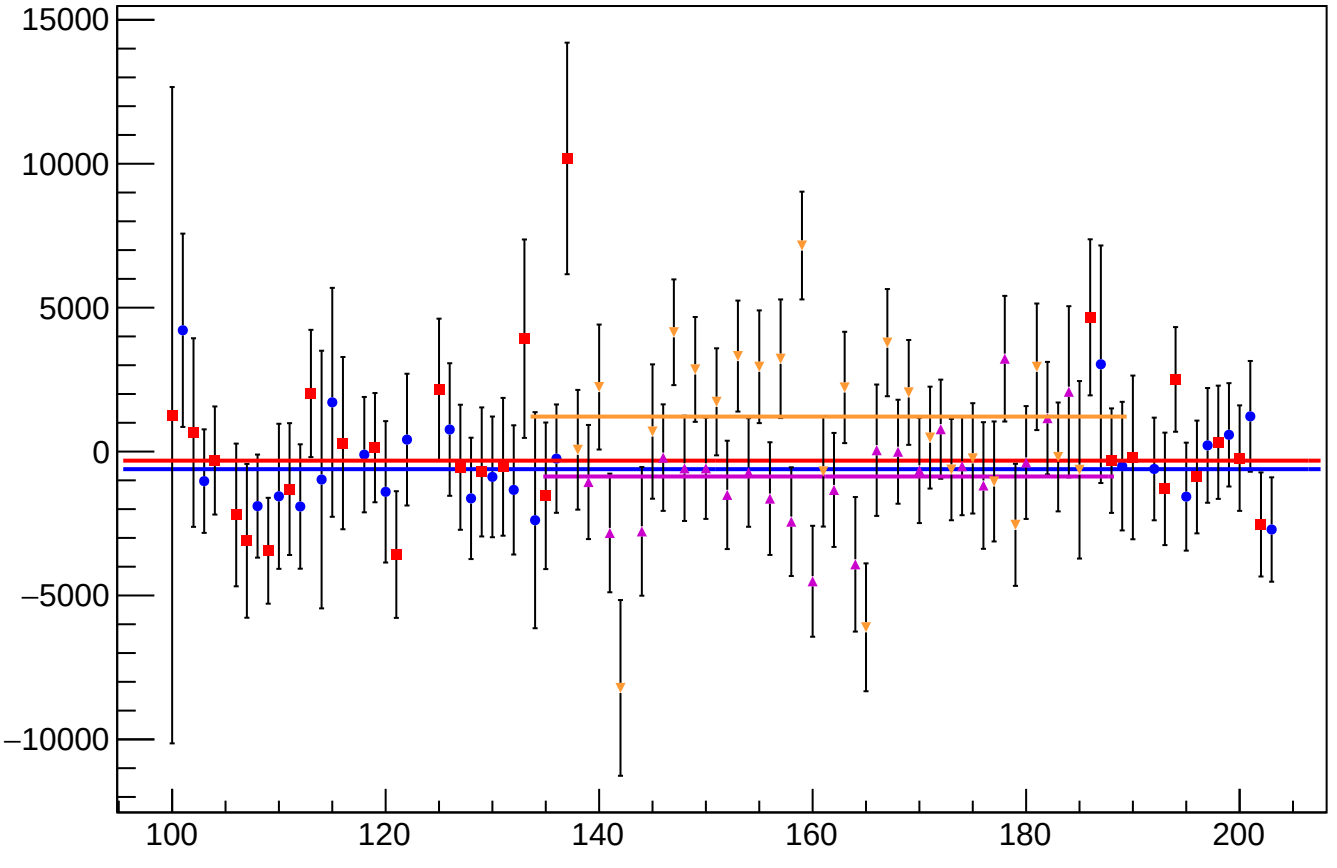
Left: 7644.431+/-0.909 χ^2/NDF: 2302295.7/46

Right: 6720.273+/-0.958 χ^2/NDF: 5043722.9/50

In: 7269.069+/-0.945 χ^2/NDF:3533298.9/46

Out: 7147.860+/-0.921 χ^2/NDF:4293987.0/50

All: 7206.901+/-0.659 χ^2/NDF: 7835728.1/97



Right In: -611.549+/-447.813 χ^2/NDF: 8.7/23

Left Out: 1215.353+/-409.584 χ^2/NDF:48.5/23

Right Out: -315.380+/-435.461 χ^2/NDF: 25.6/26

Left In: -866.022+/-410.038 χ^2/NDF:15.1/22

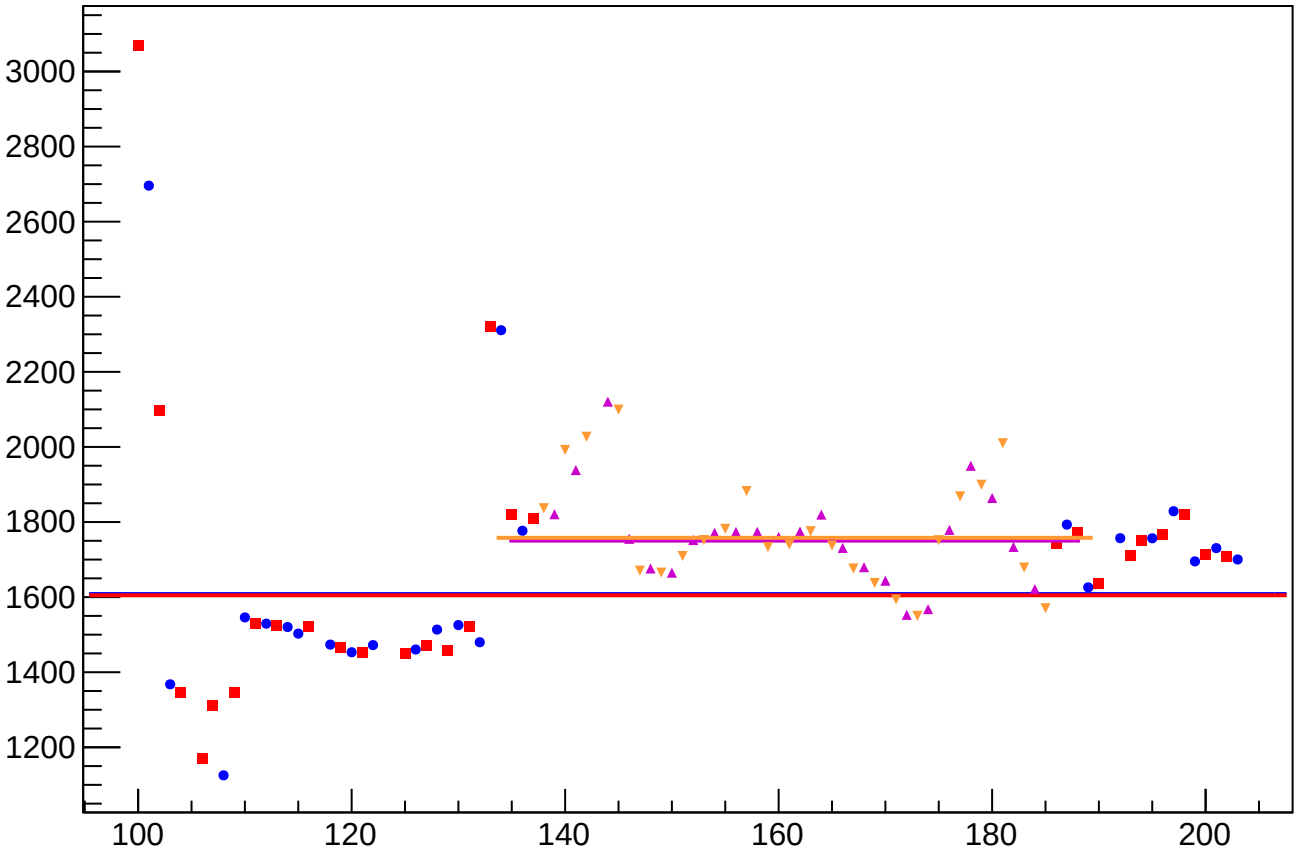
Left: 175.818+/-289.780 χ^2/NDF: 76.5/46

Right: -459.324+/-312.193 χ^2/NDF: 34.5/50

In: -749.969+/-302.415 χ^2/NDF:24.0/46

Out: 496.816+/-298.349 χ^2/NDF:80.6/50

All: -118.138+/-212.387 χ^2/NDF: 113.2/97



Right In: 1608.130+/-0.317 χ^2/NDF: 602281.8/23

Left Out: 1757.965+/-0.290 χ^2/NDF:213284.1/23

Right Out: 1604.954+/-0.308 χ^2/NDF: 493296.2/26

Left In: 1750.477+/-0.290 χ^2/NDF:171889.4/22

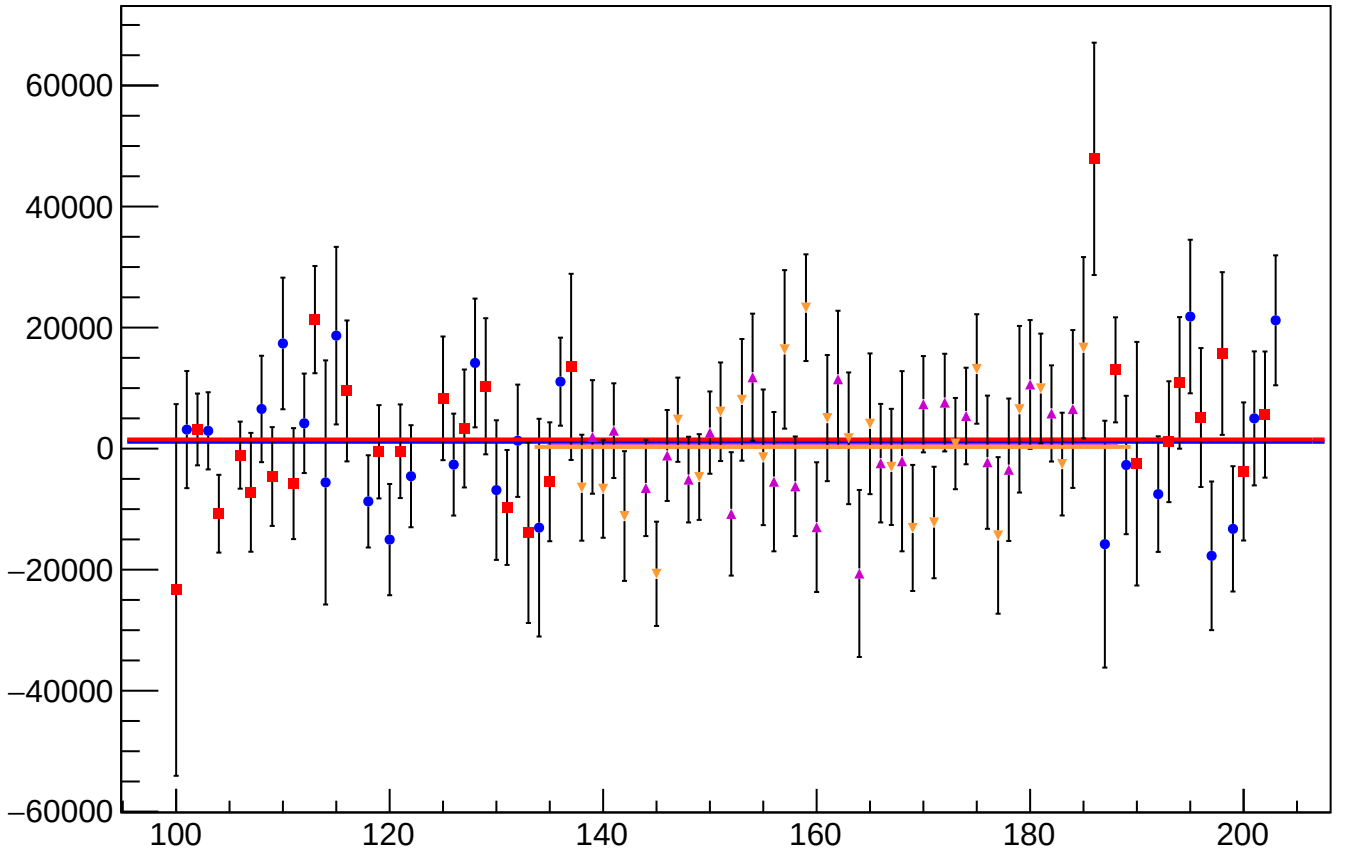
Left: 1754.225+/-0.205 χ^2/NDF: 385507.3/46

Right: 1606.497+/-0.221 χ^2/NDF: 1095629.7/50

In: 1685.559+/-0.214 χ^2/NDF:884095.1/46

Out: 1686.128+/-0.211 χ^2/NDF:837623.7/50

All: 1685.847+/-0.150 χ^2/NDF: 1721722.4/97



Right In: 1135.569+/-2016.969 χ^2/NDF: 26.5/23

Left Out: 284.925+/-1920.134 χ^2/NDF:28.7/23

Right Out: 1514.310+/-1818.429 χ^2/NDF: 26.8/26

Left In: 382.660+/-1912.385 χ^2/NDF:13.6/22

Left: 333.990+/-1354.992 χ^2/NDF: 42.3/46

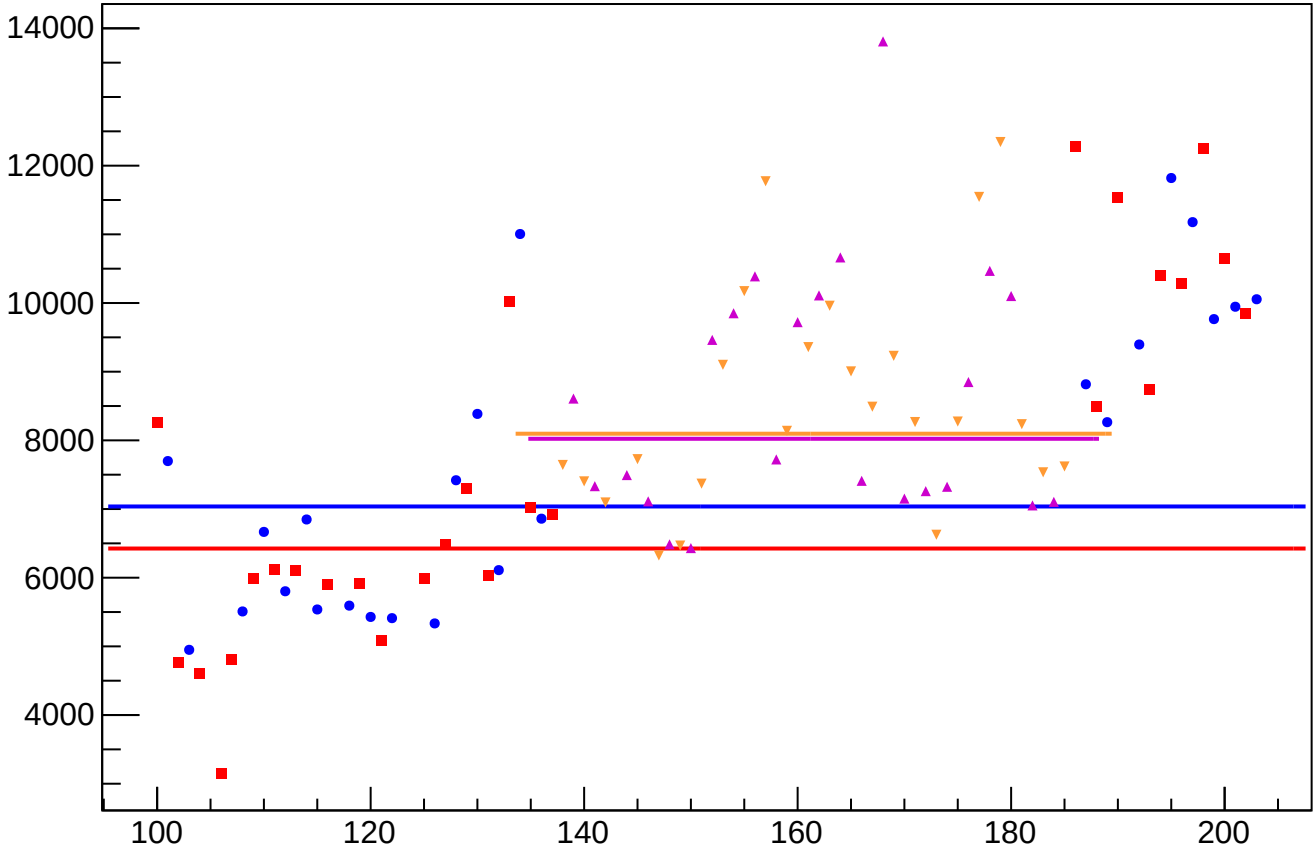
Right: 1344.493+/-1350.576 χ^2/NDF: 53.3/50

In: 739.089+/-1387.761 χ^2/NDF:40.2/46

Out: 933.038+/-1320.315 χ^2/NDF:55.7/50

All: 840.891+/-956.559 χ^2/NDF: 95.8/97

asym_us_avg_at2lr_avg_dd_dit_correction_rms vs Slug, Sign Corrected



Right In: 7037.203+/-1.426 χ^2/NDF: 1897260.4/23

Left Out: 8096.821+/-1.358 χ^2/NDF:1087790.8/23

Right Out: 6424.775+/-1.286 χ^2/NDF: 3200514.0/26

Left In: 8022.726+/-1.352 χ^2/NDF:1225549.2/22

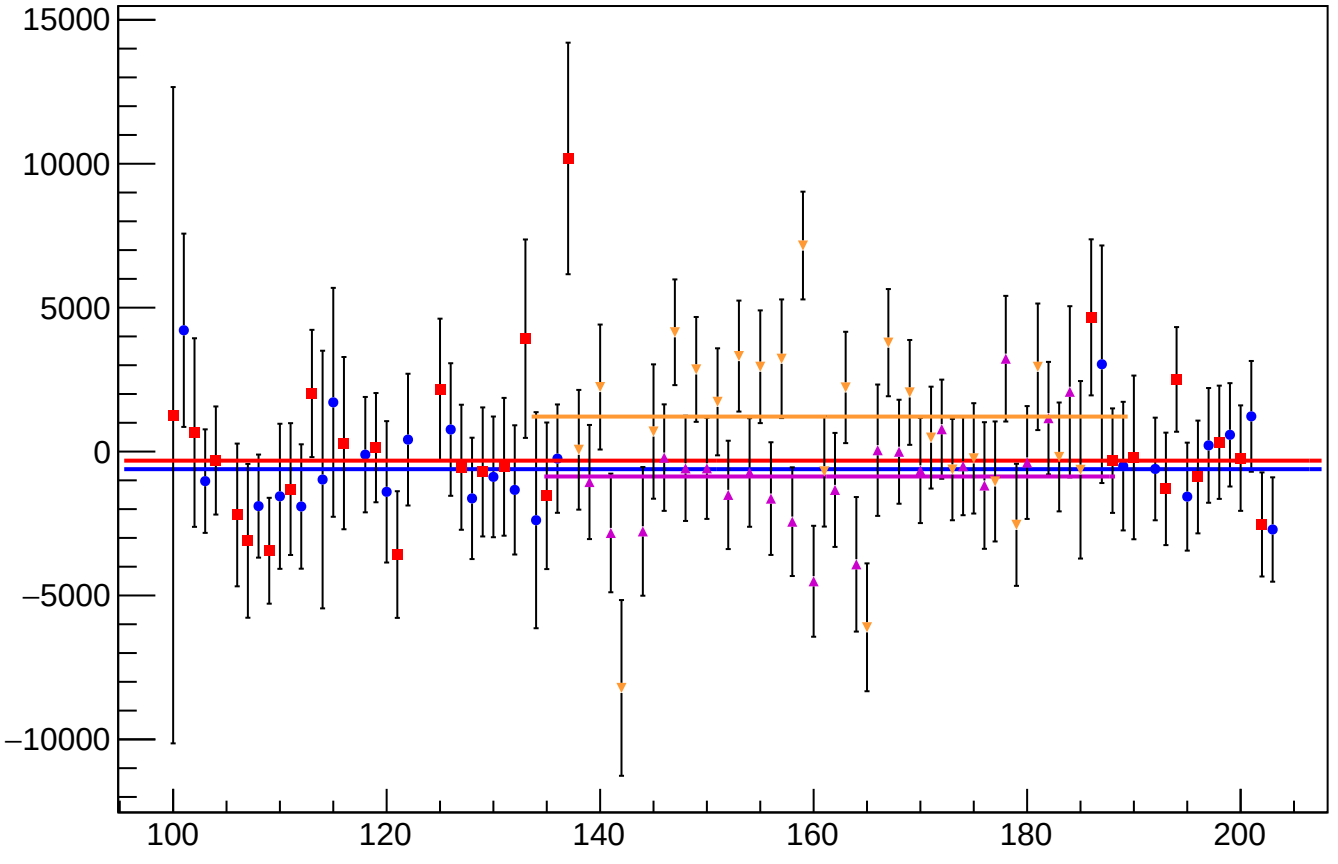
Left: 8059.624+/-0.958 χ^2/NDF: 2314835.1/46

Right: 6699.371+/-0.955 χ^2/NDF: 5199489.8/50

In: 7556.177+/-0.981 χ^2/NDF:3374254.8/46

Out: 7215.345+/-0.934 χ^2/NDF:5087817.9/50

All: 7377.277+/-0.676 χ^2/NDF: 8525394.1/97



Right In: -611.546+/-447.813 χ^2/NDF: 8.7/23

Left Out: 1215.361+/-409.585 χ^2/NDF:48.5/23

Right Out: -315.386+/-435.461 χ^2/NDF: 25.6/26

Left In: -866.021+/-410.039 χ^2/NDF:15.1/22

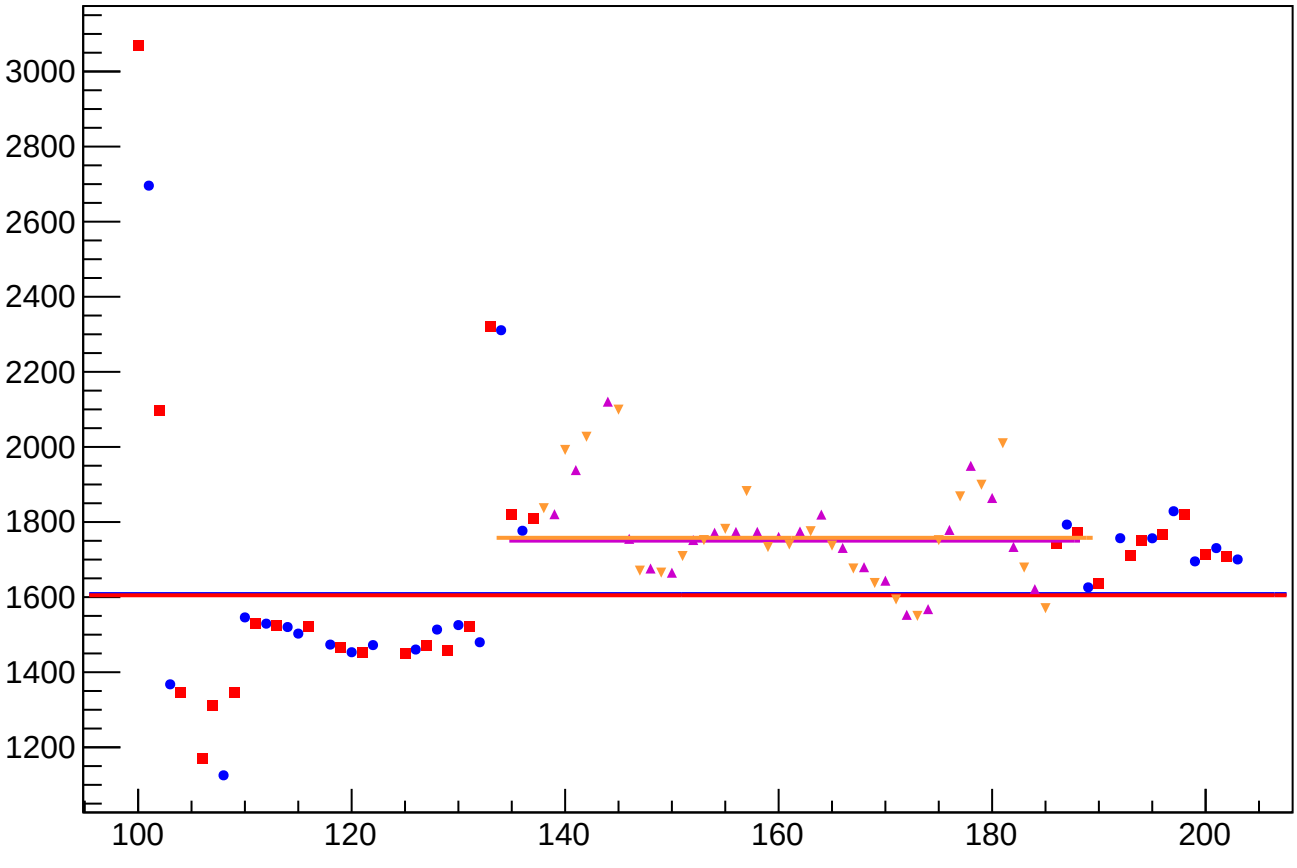
Left: 175.823+/-289.781 χ^2/NDF: 76.5/46

Right: -459.326+/-312.193 χ^2/NDF: 34.5/50

In: -749.967+/-302.415 χ^2/NDF:24.0/46

Out: 496.816+/-298.349 χ^2/NDF:80.6/50

All: -118.137+/-212.388 χ^2/NDF: 113.2/97



Right In: 1608.130+/-0.317 χ^2/NDF: 602282.0/23

Left Out: 1757.968+/-0.290 χ^2/NDF:213292.2/23

Right Out: 1604.954+/-0.308 χ^2/NDF: 493297.3/26

Left In: 1750.480+/-0.290 χ^2/NDF:171897.3/22

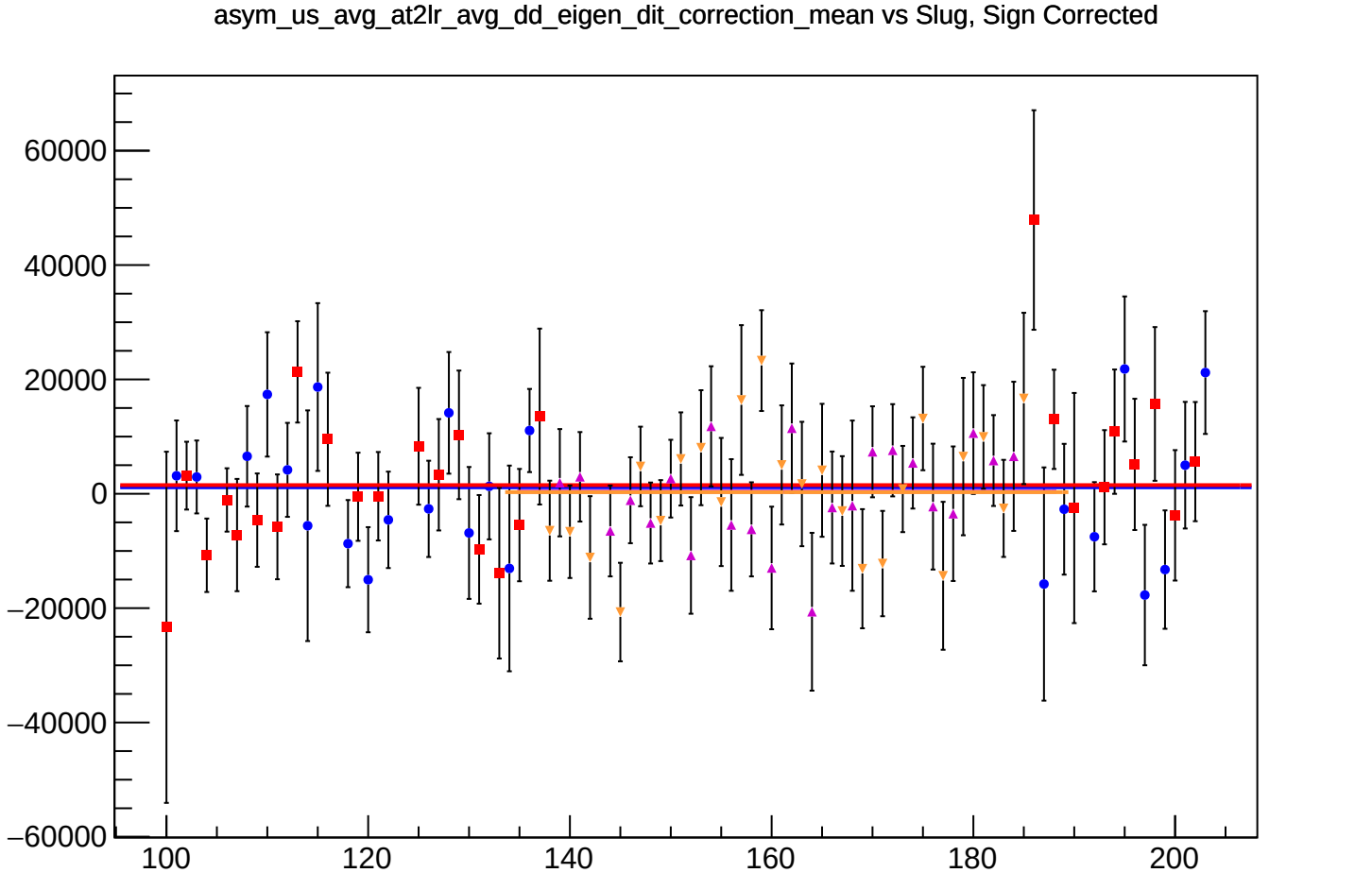
Left: 1754.228+/-0.205 χ^2/NDF: 385523.3/46

Right: 1606.497+/-0.221 χ^2/NDF: 1095631.0/50

In: 1685.561+/-0.214 χ^2/NDF:884107.3/46

Out: 1686.129+/-0.211 χ^2/NDF:837637.1/50

All: 1685.849+/-0.150 χ^2/NDF: 1721748.0/97



Right In: 1135.554+/-2016.967 χ^2/NDF: 26.5/23

Left Out: 284.927+/-1920.138 χ^2/NDF:28.7/23

Right Out: 1514.299+/-1818.426 χ^2/NDF: 26.8/26

Left In: 382.663+/-1912.388 χ^2/NDF:13.6/22

Left: 333.993+/-1354.994 χ^2/NDF: 42.3/46

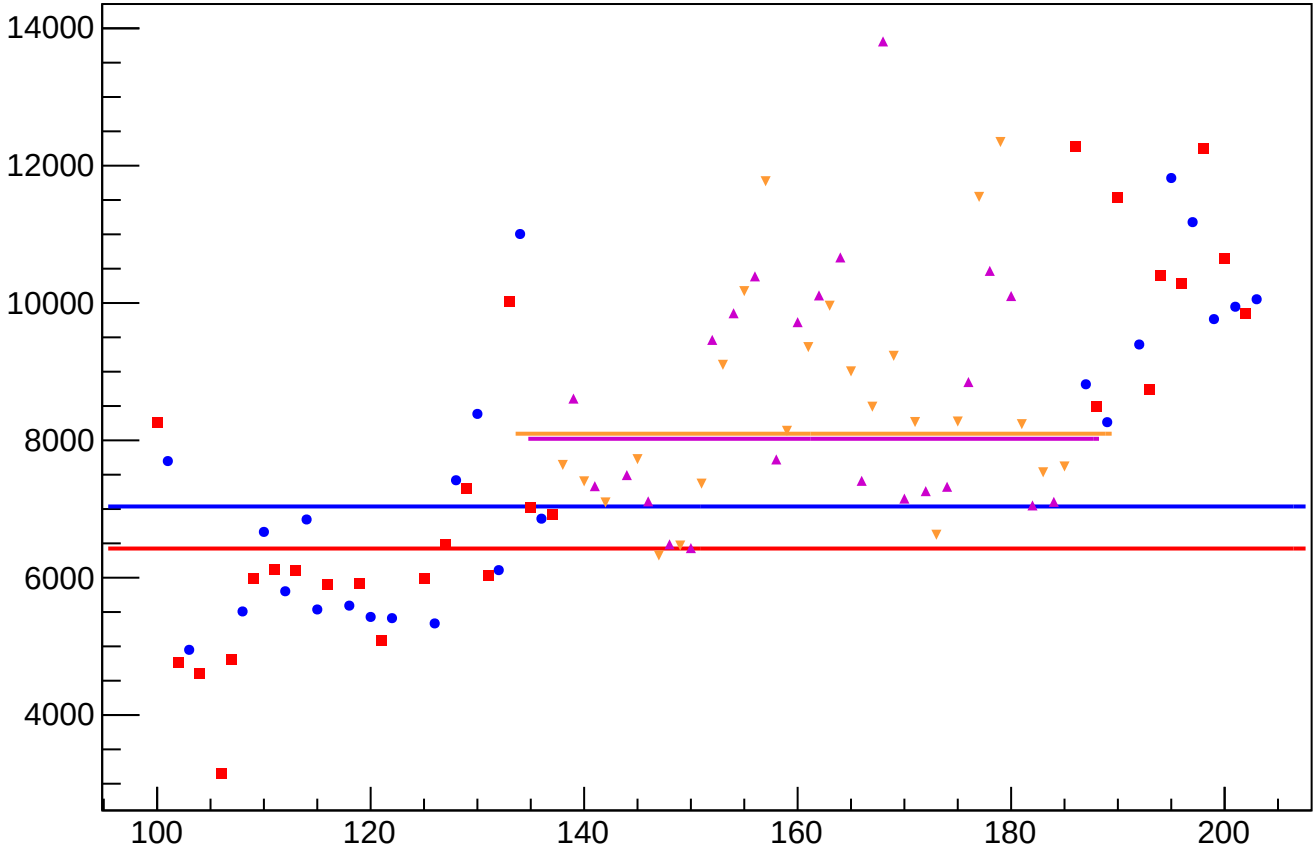
Right: 1344.480+/-1350.574 χ^2/NDF: 53.3/50

In: 739.085+/-1387.761 χ^2/NDF:40.2/46

Out: 933.034+/-1320.315 χ^2/NDF:55.7/50

All: 840.887+/-956.559 χ^2/NDF: 95.8/97

asym_us_avg_at2lr_avg_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 7037.192+/-1.426 χ^2/NDF: 1897281.7/23

Left Out: 8096.833+/-1.358 χ^2/NDF:1087793.4/23

Right Out: 6424.764+/-1.286 χ^2/NDF: 3200532.8/26

Left In: 8022.738+/-1.352 χ^2/NDF:1225553.6/22

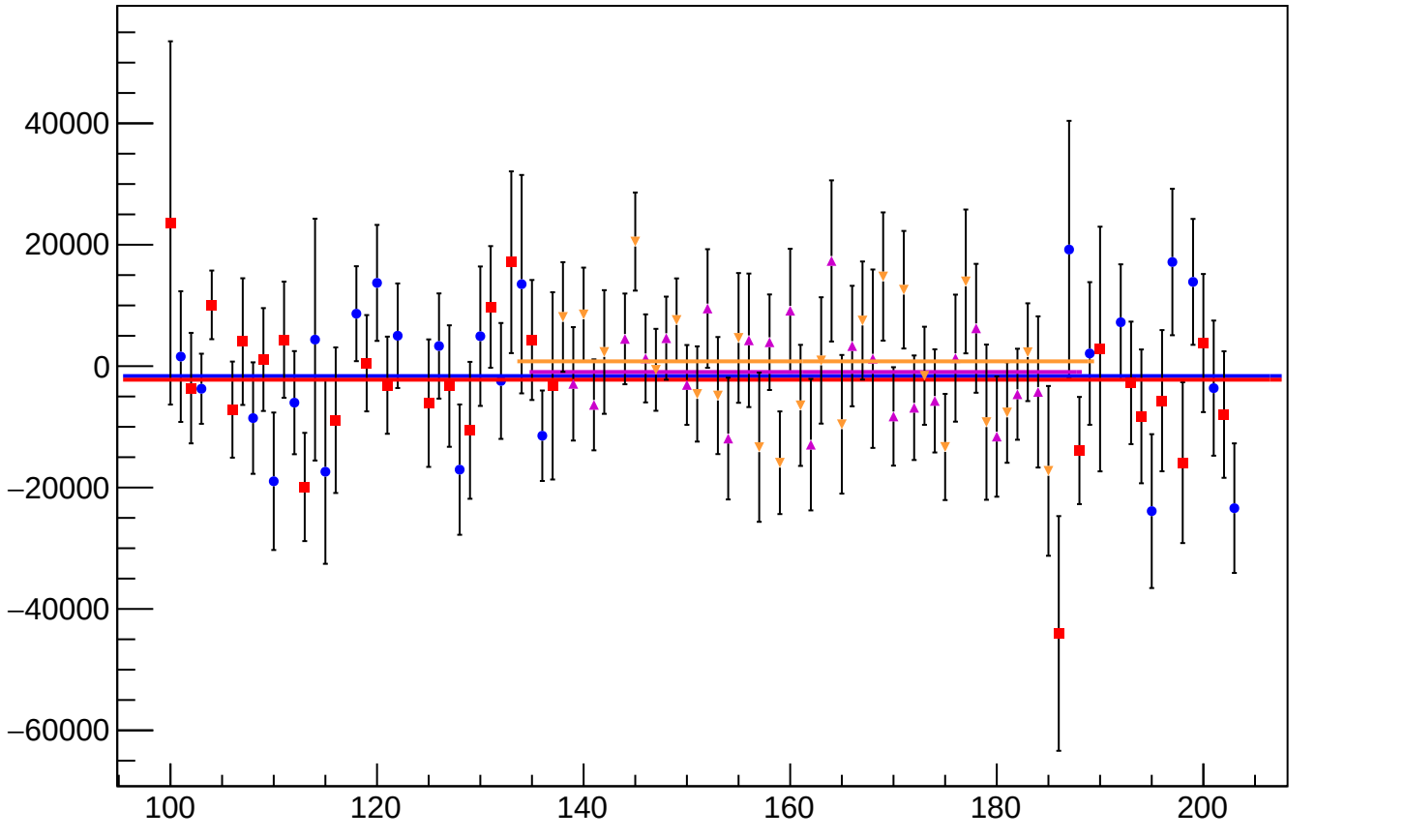
Left: 8059.636+/-0.958 χ^2/NDF: 2314842.1/46

Right: 6699.360+/-0.955 χ^2/NDF: 5199530.1/50

In: 7556.176+/-0.981 χ^2/NDF:3374292.3/46

Out: 7215.342+/-0.934 χ^2/NDF:5087861.4/50

All: 7377.276+/-0.676 χ^2/NDF: 8525475.6/97



Right In: -1632.059+/-2036.437 χ^2/NDF: 28.5/23

Left Out: 791.264+/-1865.111 χ^2/NDF:27.2/23

Right Out: -2236.798+/-1934.074 χ^2/NDF: 24.0/26

Left In: -963.967+/-1859.926 χ^2/NDF:12.8/22

Left: -88.795+/-1316.995 χ^2/NDF: 40.4/46

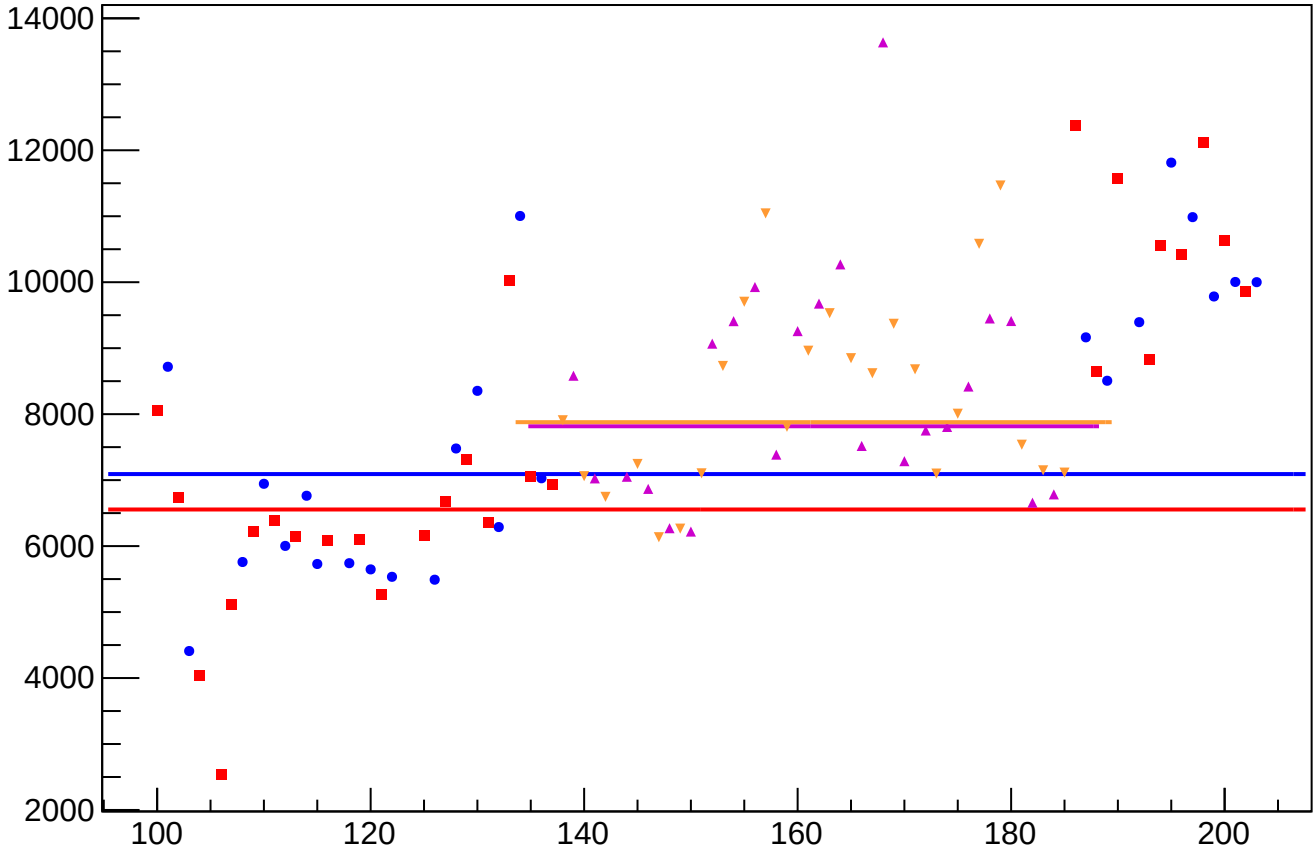
Right: -1950.009+/-1402.389 χ^2/NDF: 52.6/50

In: -1267.810+/-1373.336 χ^2/NDF:41.4/46

Out: -667.819+/-1342.551 χ^2/NDF:52.5/50

All: -961.014+/-960.026 χ^2/NDF: 93.9/97

asym_us_avg_at2lr_avg_dd_rms vs Slug, Sign Corrected



Right In: 7091.693+/-1.440 χ^2/NDF: 2014773.7/23

Left Out: 7878.482+/-1.319 χ^2/NDF:990058.5/23

Right Out: 6554.871+/-1.330 χ^2/NDF: 3458342.6/26

Left In: 7816.447+/-1.315 χ^2/NDF:1132368.2/22

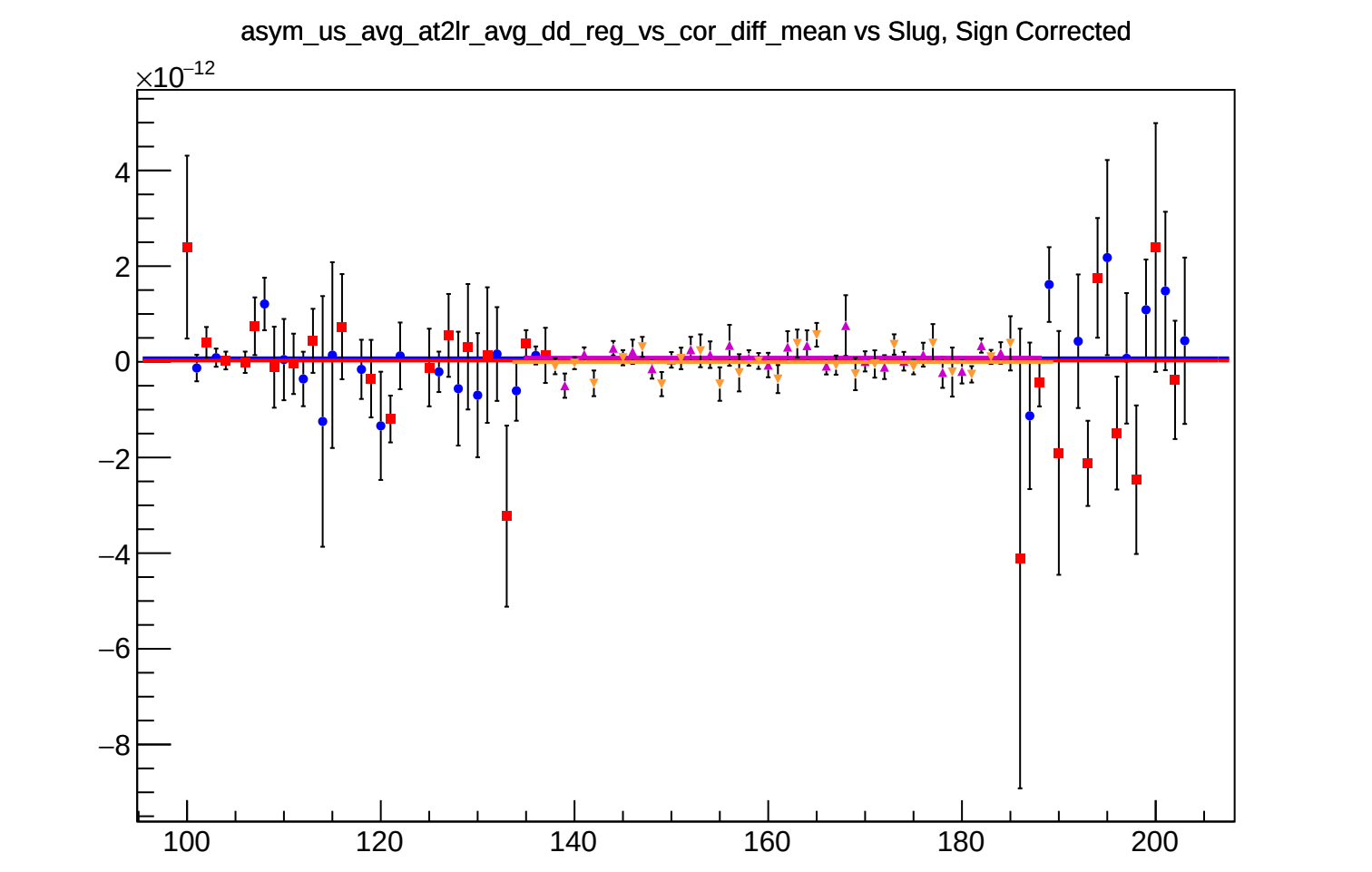
Left: 7847.378+/-0.931 χ^2/NDF: 2123536.1/46

Right: 6802.027+/-0.977 χ^2/NDF: 5548108.9/50

In: 7486.834+/-0.971 χ^2/NDF:3285255.1/46

Out: 7222.318+/-0.937 χ^2/NDF:4947738.0/50

All: 7349.784+/-0.674 χ^2/NDF: 8271435.3/97



Right In: 0.000+/-0.000 χ^2/NDF: 17.0/23

Left Out: -0.000+/-0.000 χ^2/NDF:28.6/23

Right Out: 0.000+/-0.000 χ^2/NDF: 31.9/26

Left In: 0.000+/-0.000 χ^2/NDF:19.3/22

Left: 0.000+/-0.000 χ^2/NDF: 50.1/46

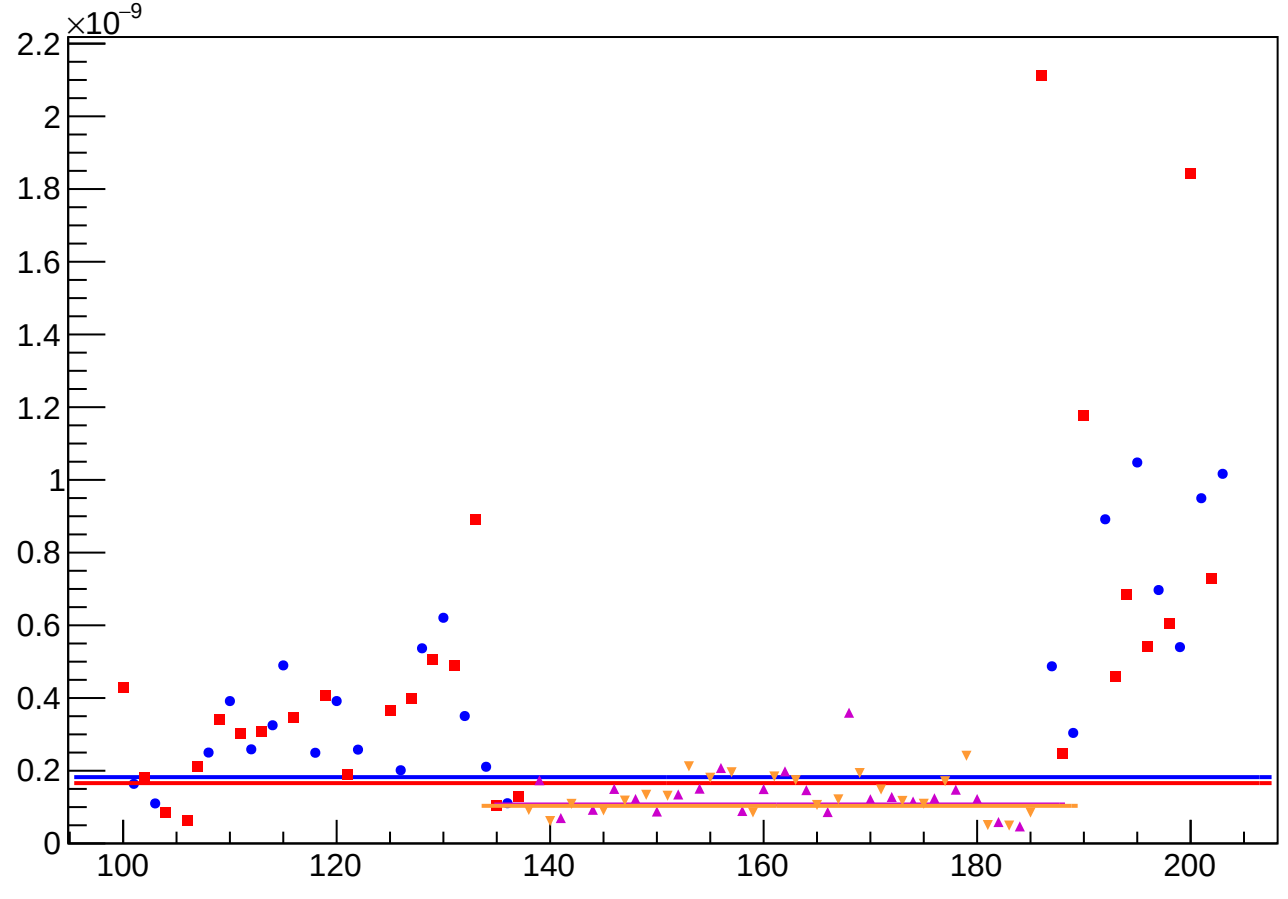
Right: 0.000+/-0.000 χ^2/NDF: 49.1/50

In: 0.000+/-0.000 χ^2/NDF:36.4/46

Out: 0.000+/-0.000 χ^2/NDF:60.6/50

All: 0.000+/-0.000 χ^2/NDF: 99.2/97

asym_us_avg_at2lr_avg_dd_reg_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 3829922.1/23

Left Out: 0.000+/-0.000 χ^2/NDF:1905146.0/23

Right Out: 0.000+/-0.000 χ^2/NDF: 5145304.5/26

Left In: 0.000+/-0.000 χ^2/NDF:1596017.6/22

Left: 0.000+/-0.000 χ^2/NDF: 3508045.7/46

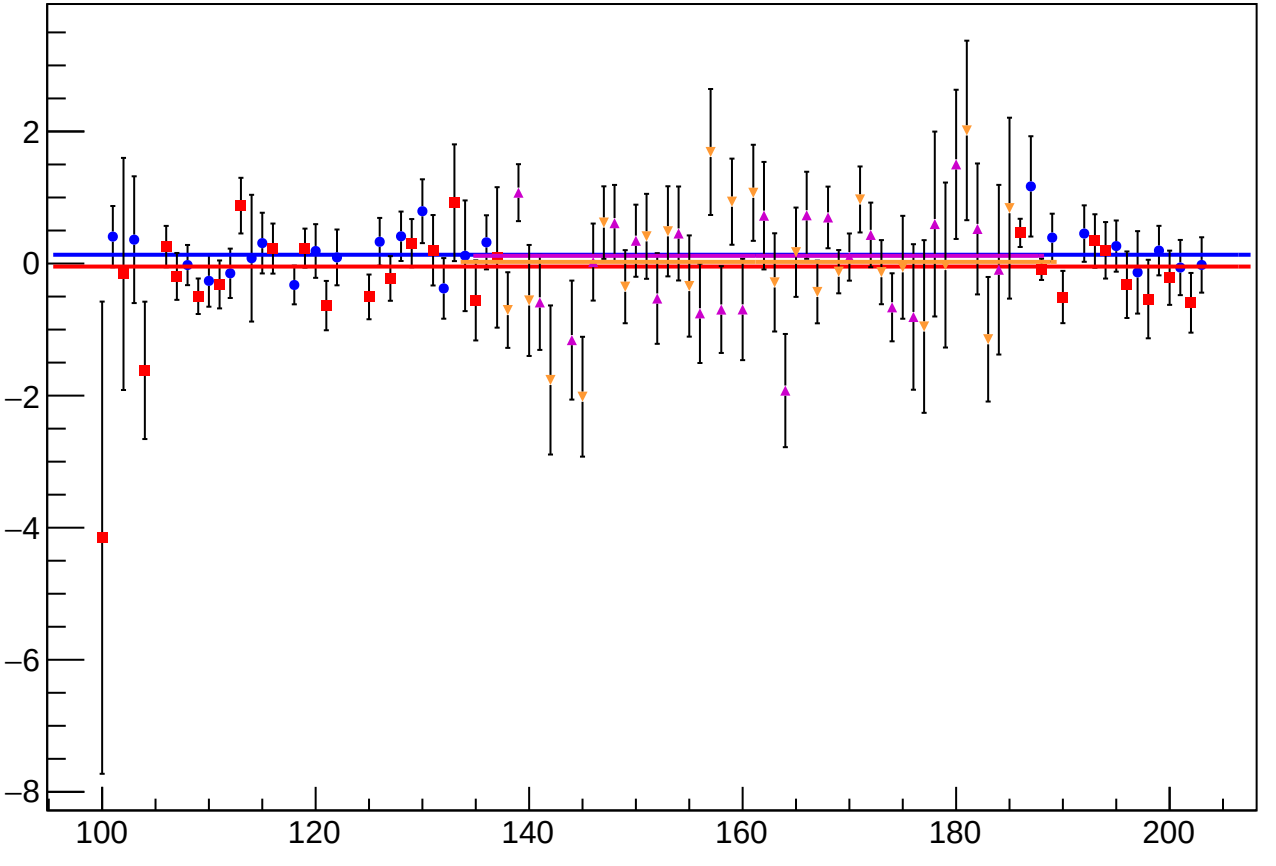
Right: 0.000+/-0.000 χ^2/NDF: 9002441.4/50

In: 0.000+/-0.000 χ^2/NDF:6350341.3/46

Out: 0.000+/-0.000 χ^2/NDF:7720815.6/50

All: 0.000+/-0.000 χ^2/NDF: 14091090.4/97

asym_us_avg_at2lr_avg_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.133+/-0.087 χ^2/NDF: 12.6/23

Left Out: 0.025+/-0.134 χ^2/NDF:29.1/23

Right Out: -0.046+/-0.070 χ^2/NDF: 33.0/26

Left In: 0.117+/-0.132 χ^2/NDF:27.8/22

Left: 0.071+/-0.094 χ^2/NDF: 57.1/46

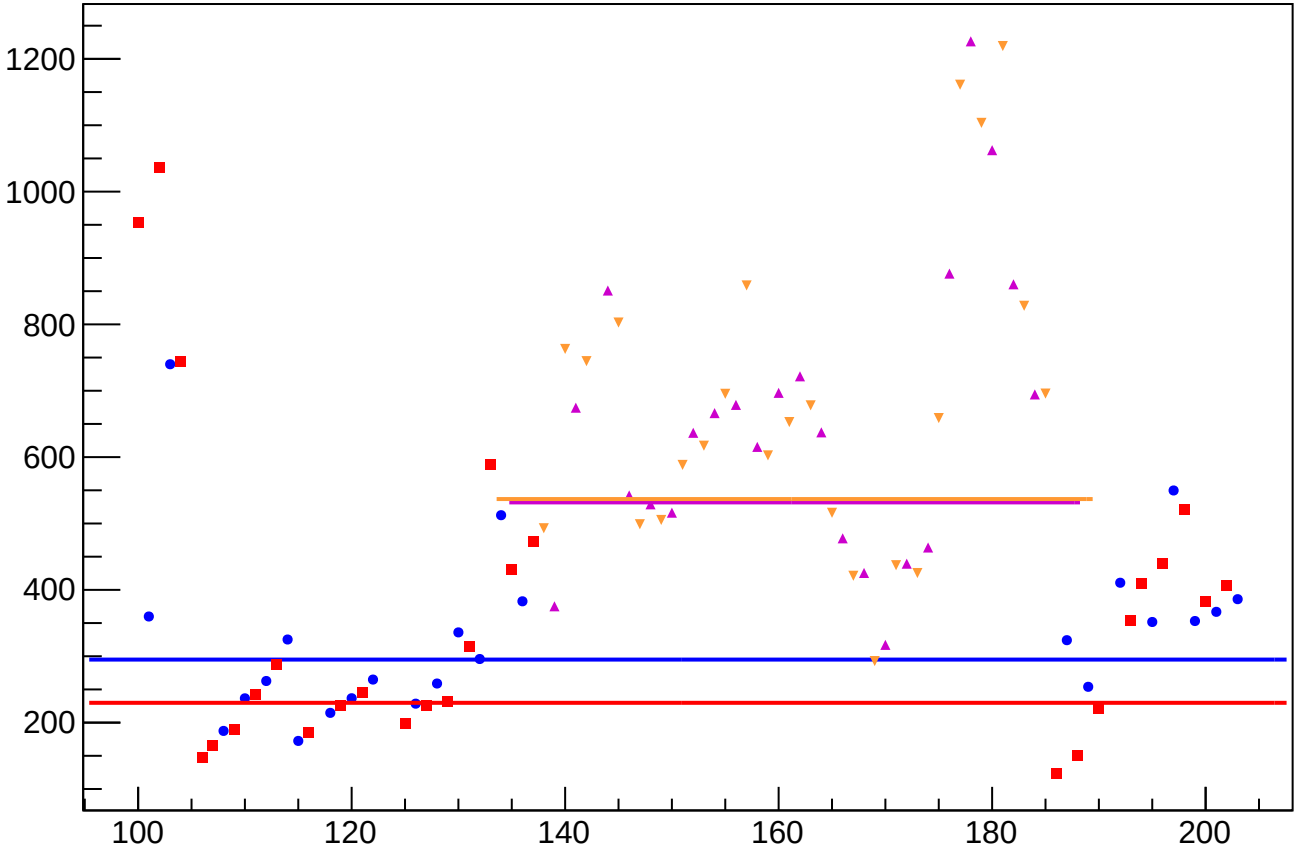
Right: 0.025+/-0.055 χ^2/NDF: 48.2/50

In: 0.128+/-0.073 χ^2/NDF:40.5/46

Out: -0.030+/-0.062 χ^2/NDF:62.3/50

All: 0.037+/-0.047 χ^2/NDF: 105.5/97

asym_us_avg_at2lr_avg_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 294.973+/-0.061 χ^2/NDF: 2203063.1/23

Left Out: 536.821+/-0.095 χ^2/NDF:3963242.1/23

Right Out: 229.840+/-0.050 χ^2/NDF: 4970047.8/26

Left In: 531.769+/-0.094 χ^2/NDF:3381209.0/22

Left: 534.267+/-0.067 χ^2/NDF: 7345889.1/46

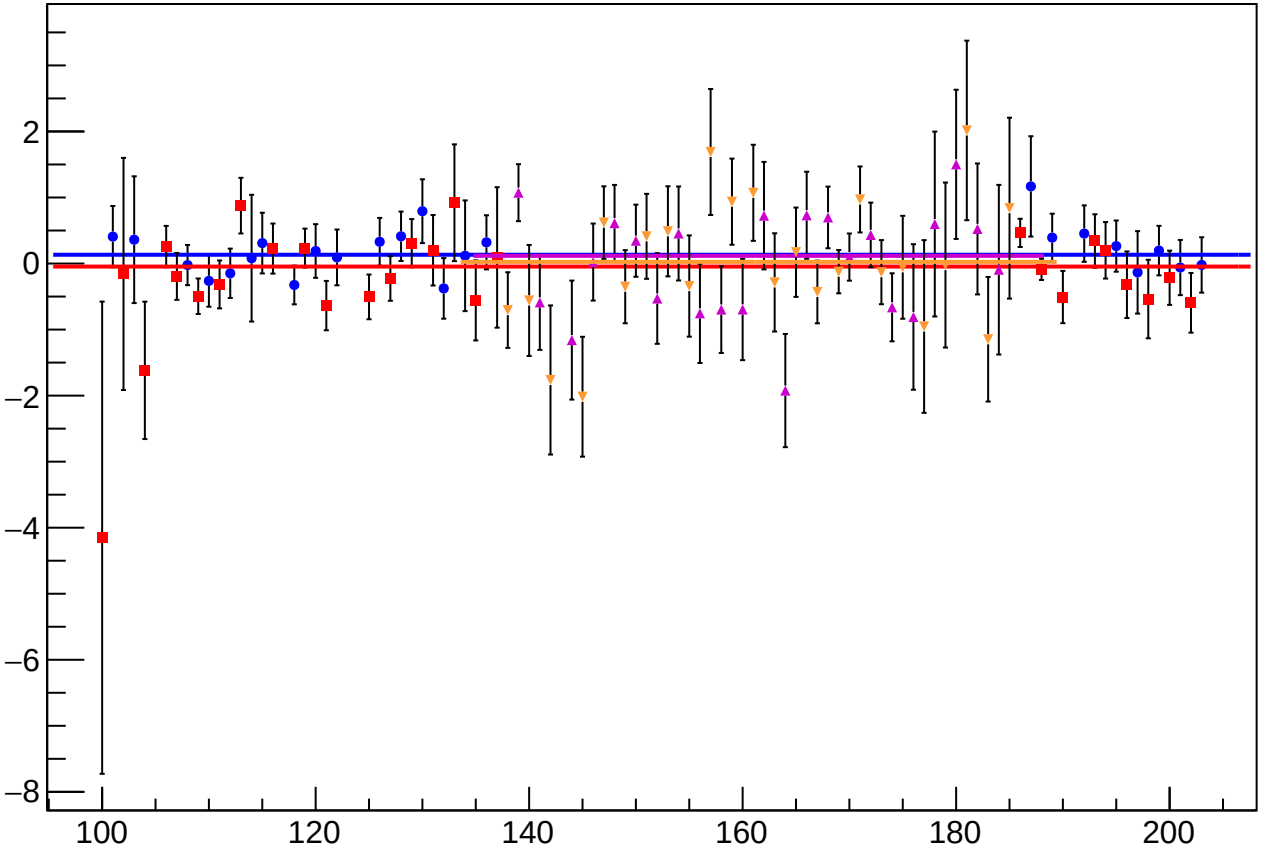
Right: 255.755+/-0.039 χ^2/NDF: 7853408.3/50

In: 365.946+/-0.051 χ^2/NDF:10059980.6/46

Out: 296.331+/-0.044 χ^2/NDF:17159898.3/50

All: 325.919+/-0.033 χ^2/NDF: 28279562.9/97

asym_us_avg_at2lr_avg_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.133+/-0.087 χ^2/NDF: 12.6/23

Left Out: 0.025+/-0.134 χ^2/NDF:29.1/23

Right Out: -0.046+/-0.070 χ^2/NDF: 33.0/26

Left In: 0.117+/-0.132 χ^2/NDF:27.8/22

Left: 0.071+/-0.094 χ^2/NDF: 57.1/46

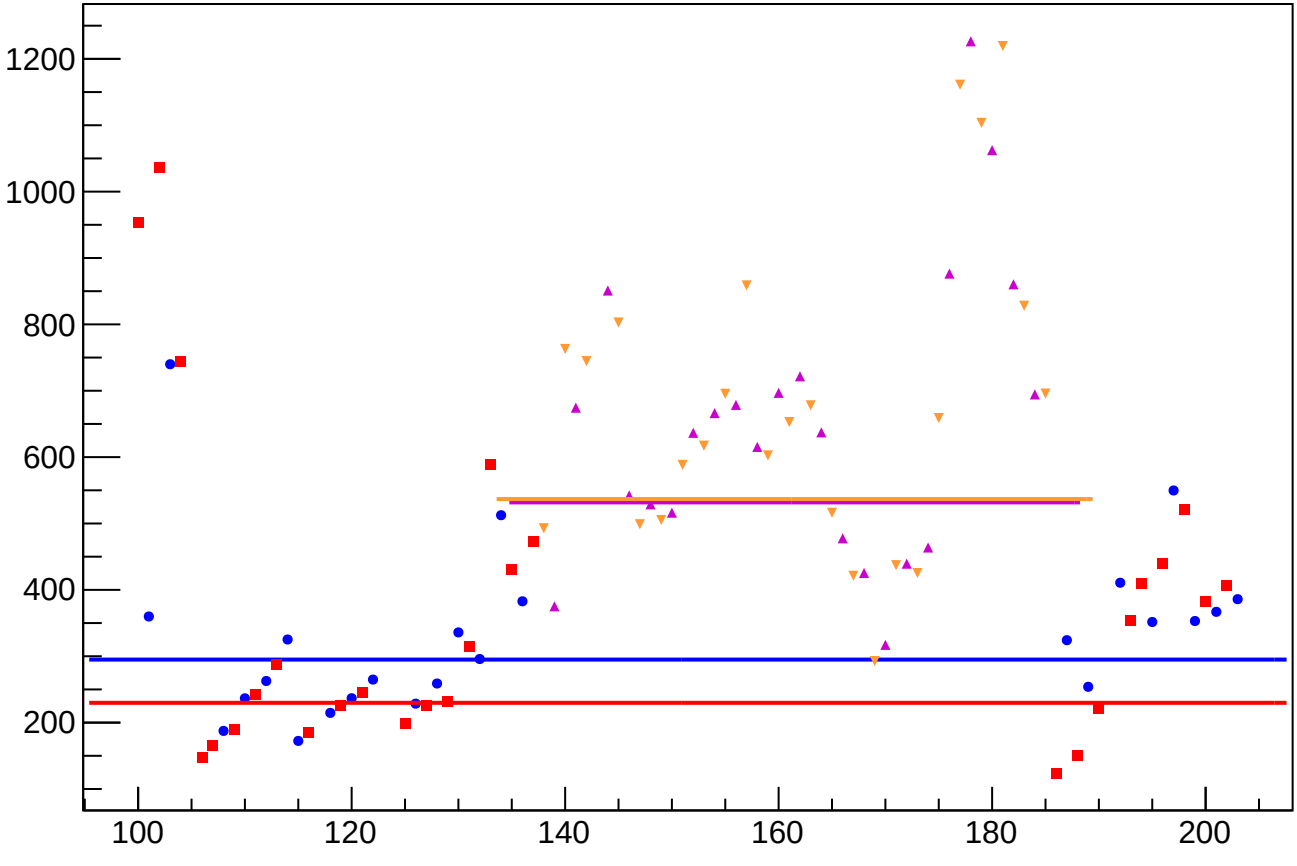
Right: 0.025+/-0.055 χ^2/NDF: 48.2/50

In: 0.128+/-0.073 χ^2/NDF:40.5/46

Out: -0.030+/-0.062 χ^2/NDF:62.3/50

All: 0.037+/-0.047 χ^2/NDF: 105.5/97

asym_us_avg_at2lr_avg_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 294.973+/-0.061 χ^2/NDF: 2203063.1/23

Left Out: 536.821+/-0.095 χ^2/NDF:3963242.1/23

Right Out: 229.840+/-0.050 χ^2/NDF: 4970047.8/26

Left In: 531.769+/-0.094 χ^2/NDF:3381209.0/22

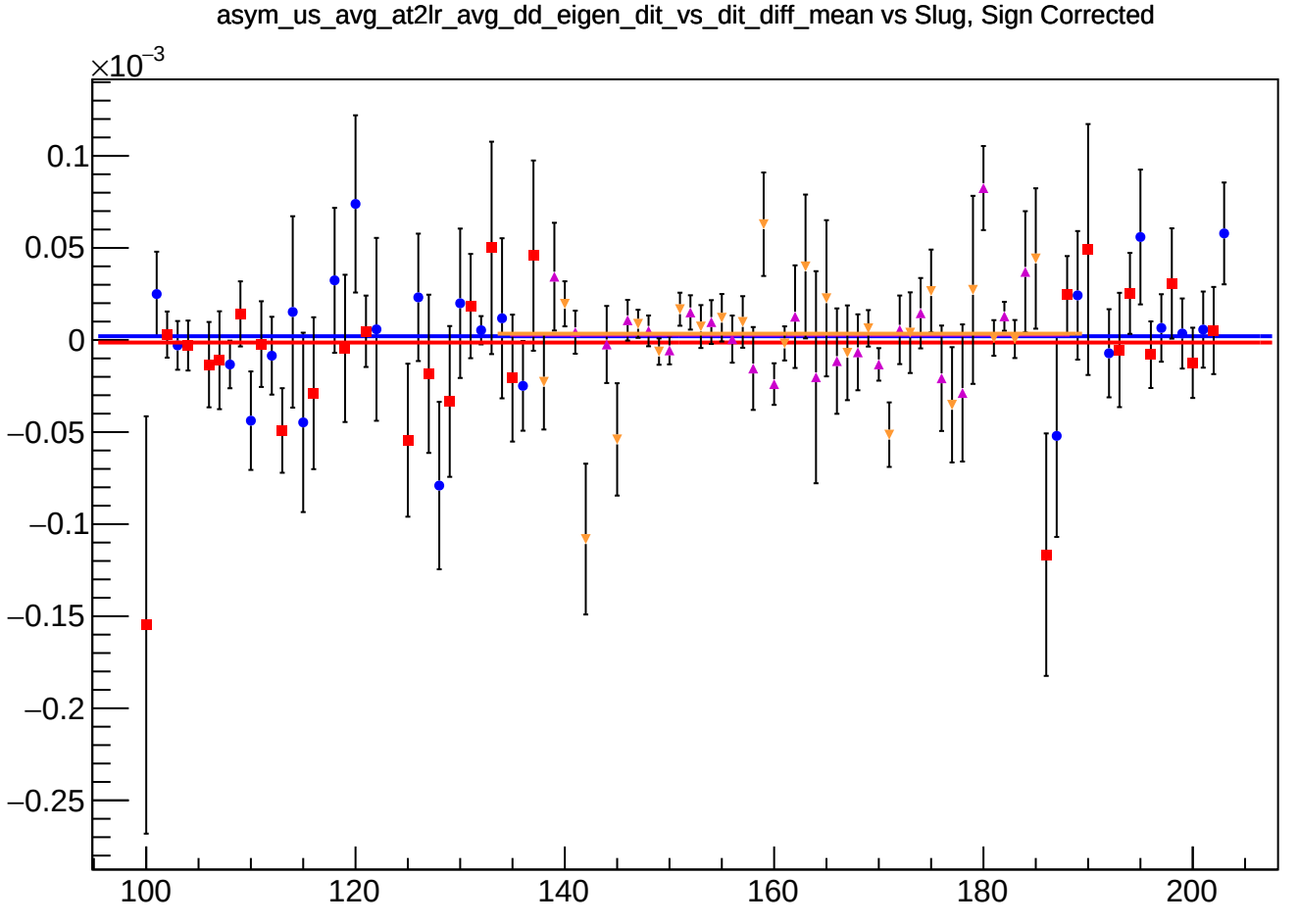
Left: 534.267+/-0.067 χ^2/NDF: 7345889.1/46

Right: 255.755+/-0.039 χ^2/NDF: 7853408.3/50

In: 365.946+/-0.051 χ^2/NDF:10059980.6/46

Out: 296.331+/-0.044 χ^2/NDF:17159898.3/50

All: 325.919+/-0.033 χ^2/NDF: 28279562.9/97



Right In: 0.000+/-0.000 χ^2/NDF: 22.6/23

Left Out: 0.000+/-0.000 χ^2/NDF:39.1/23

Right Out: -0.000+/-0.000 χ^2/NDF: 21.2/26

Left In: 0.000+/-0.000 χ^2/NDF:32.2/22

Left: 0.000+/-0.000 χ^2/NDF: 71.3/46

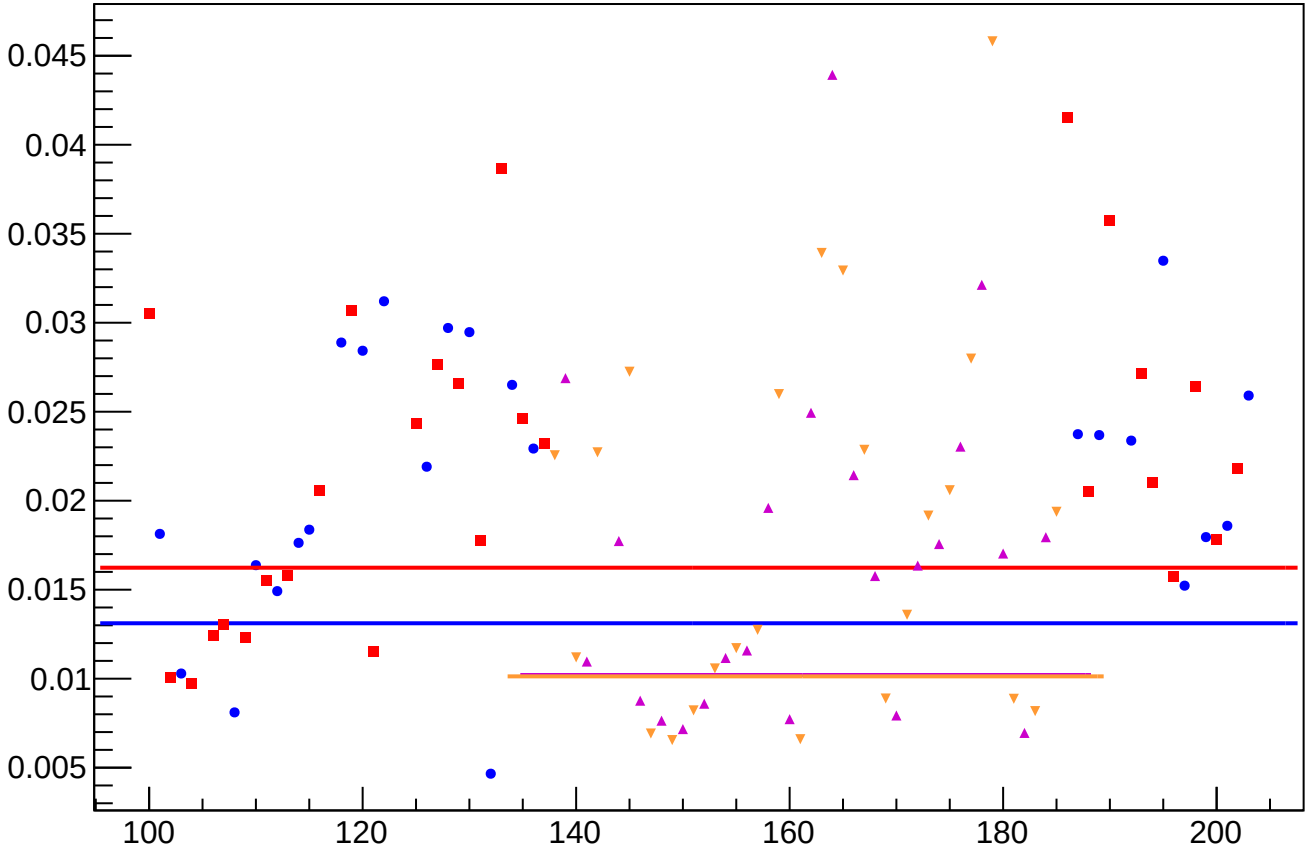
Right: 0.000+/-0.000 χ^2/NDF: 44.1/50

In: 0.000+/-0.000 χ^2/NDF:54.8/46

Out: 0.000+/-0.000 χ^2/NDF:61.0/50

All: 0.000+/-0.000 χ^2/NDF: 115.8/97

asym_us_avg_at2lr_avg_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.013+/-0.000 χ^2/NDF: 6989804.3/23

Left Out: 0.010+/-0.000 χ^2/NDF:7812047.6/23

Right Out: 0.016+/-0.000 χ^2/NDF: 3609759.2/26

Left In: 0.010+/-0.000 χ^2/NDF:6075883.8/22

Left: 0.010+/-0.000 χ^2/NDF: 13888720.1/46

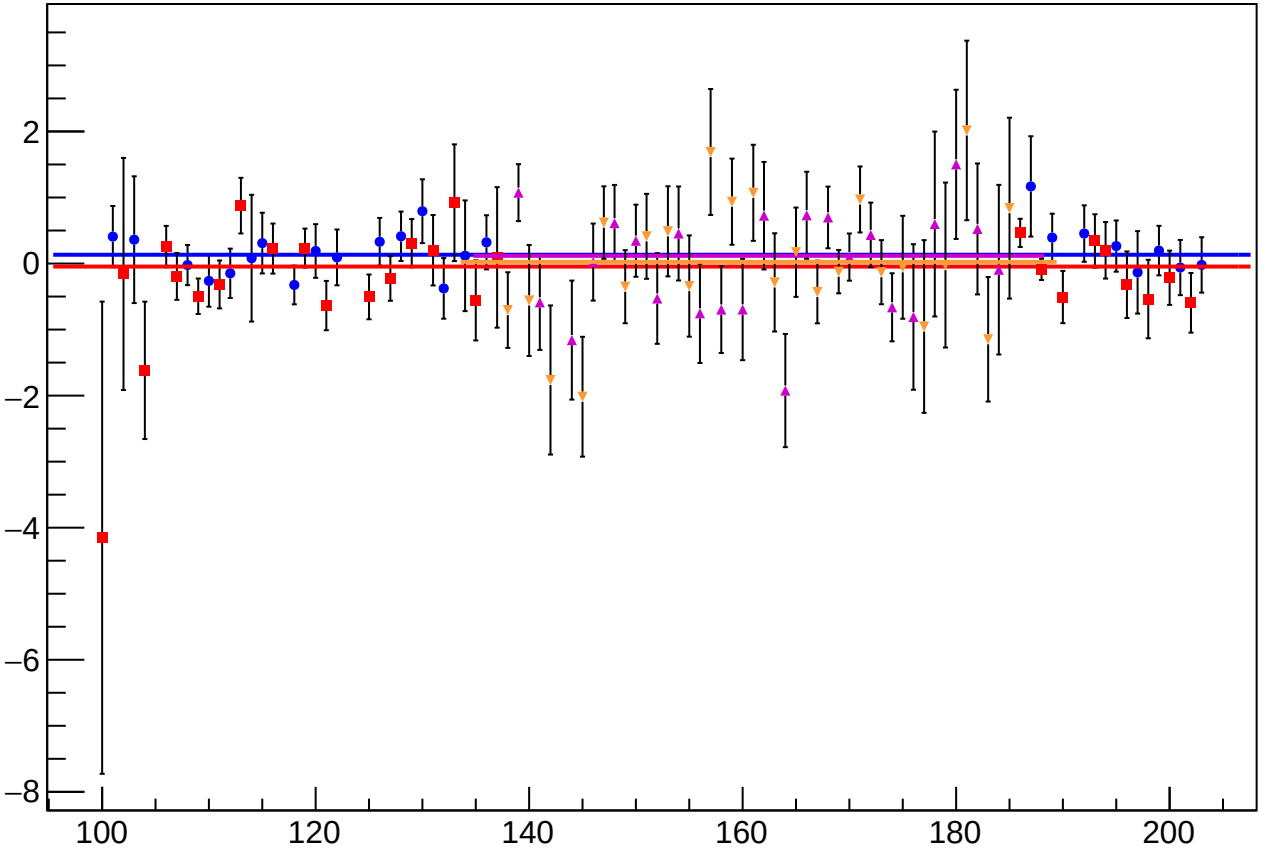
Right: 0.015+/-0.000 χ^2/NDF: 11076618.0/50

In: 0.011+/-0.000 χ^2/NDF:13707033.1/46

Out: 0.012+/-0.000 χ^2/NDF:13927062.4/50

All: 0.011+/-0.000 χ^2/NDF: 27703070.9/97

asym_us_avg_at2lr_avg_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.133+/-0.087 χ^2/NDF: 12.6/23

Left Out: 0.025+/-0.134 χ^2/NDF:29.1/23

Right Out: -0.046+/-0.070 χ^2/NDF: 33.0/26

Left In: 0.117+/-0.132 χ^2/NDF:27.8/22

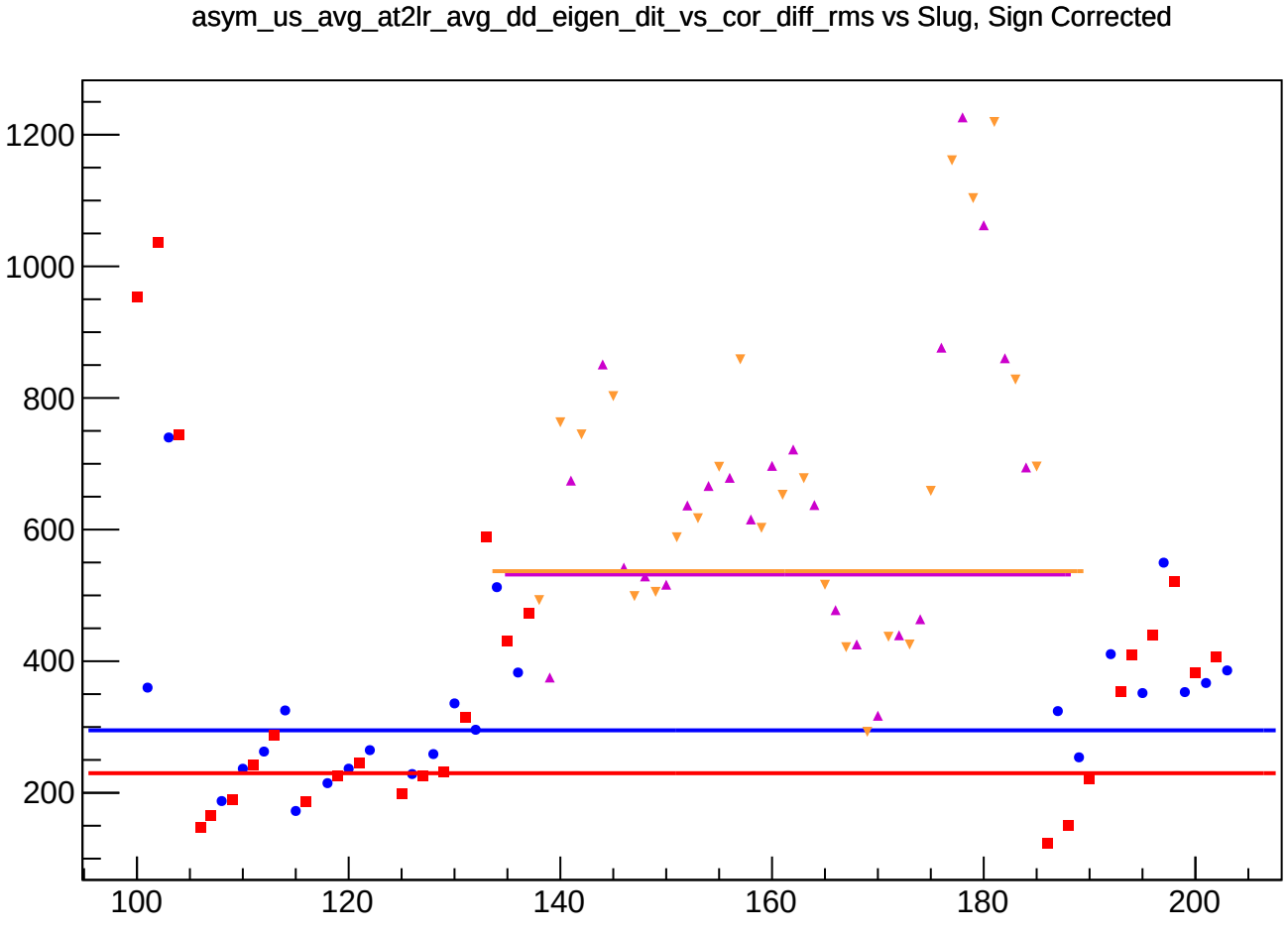
Left: 0.071+/-0.094 χ^2/NDF: 57.1/46

Right: 0.025+/-0.055 χ^2/NDF: 48.2/50

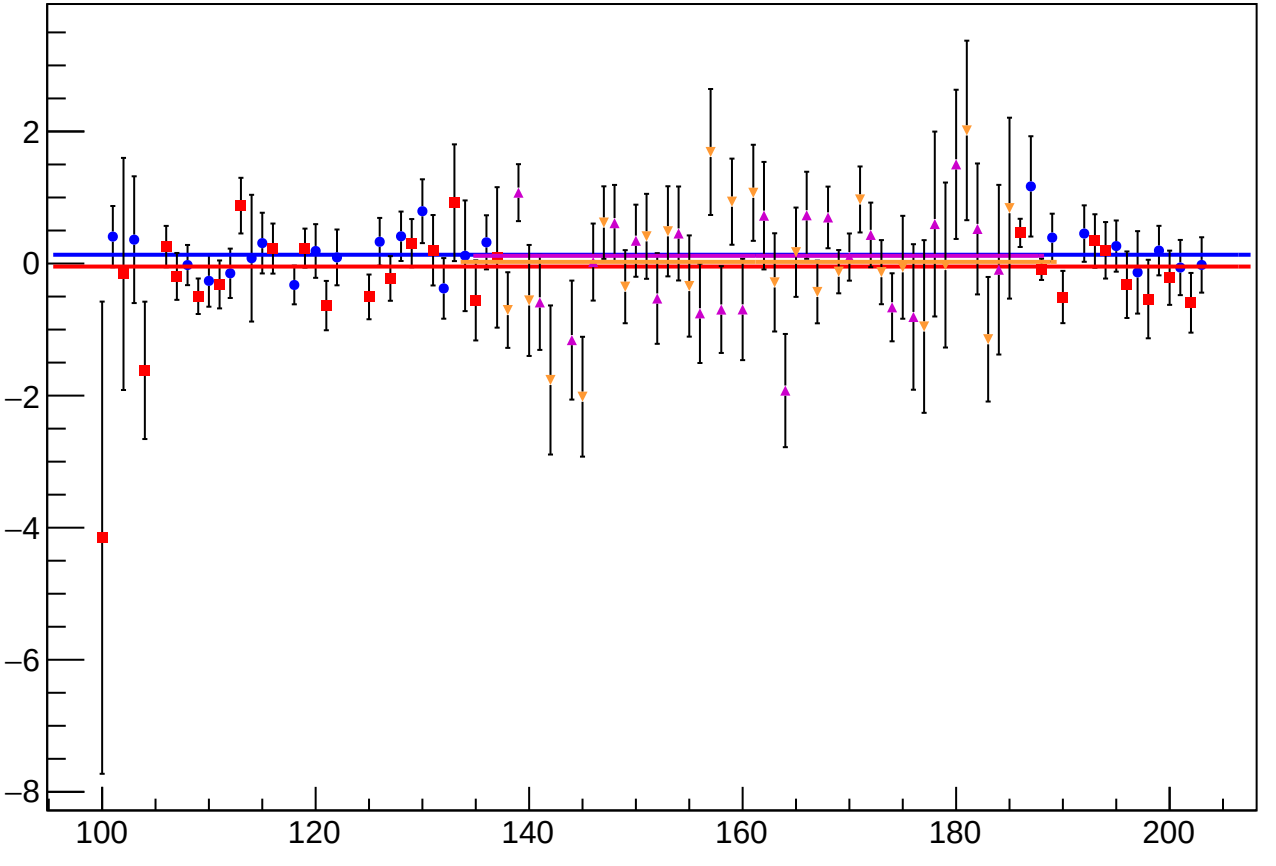
In: 0.128+/-0.073 χ^2/NDF:40.5/46

Out: -0.030+/-0.062 χ^2/NDF:62.3/50

All: 0.037+/-0.047 χ^2/NDF: 105.5/97


asym_us_avg_at2lr_avg_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected
1200
1000
800
600
400
200
100
120
140
160
180
200
Right In: 294.972+/-0.061 χ²/NDF: 2203075.4/23
Left Out: 536.822+/-0.095 χ²/NDF:3963422.5/23
Right Out: 229.837+/-0.050 χ²/NDF: 4970174.0/26
Left In: 531.773+/-0.094 χ²/NDF:3381293.8/22
Left: 534.268+/-0.067 χ²/NDF: 7346152.7/46
Right: 255.752+/-0.039 χ²/NDF: 7853574.9/50
In: 365.944+/-0.051 χ²/NDF:10060227.6/46
Out: 296.328+/-0.044 χ²/NDF:17160354.1/50
All: 325.917+/-0.033 χ²/NDF: 28280326.3/97

asym_us_avg_at2lr_avg_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.133+/-0.087 χ^2/NDF: 12.6/23

Left Out: 0.025+/-0.134 χ^2/NDF:29.1/23

Right Out: -0.046+/-0.070 χ^2/NDF: 33.0/26

Left In: 0.117+/-0.132 χ^2/NDF:27.8/22

Left: 0.071+/-0.094 χ^2/NDF: 57.1/46

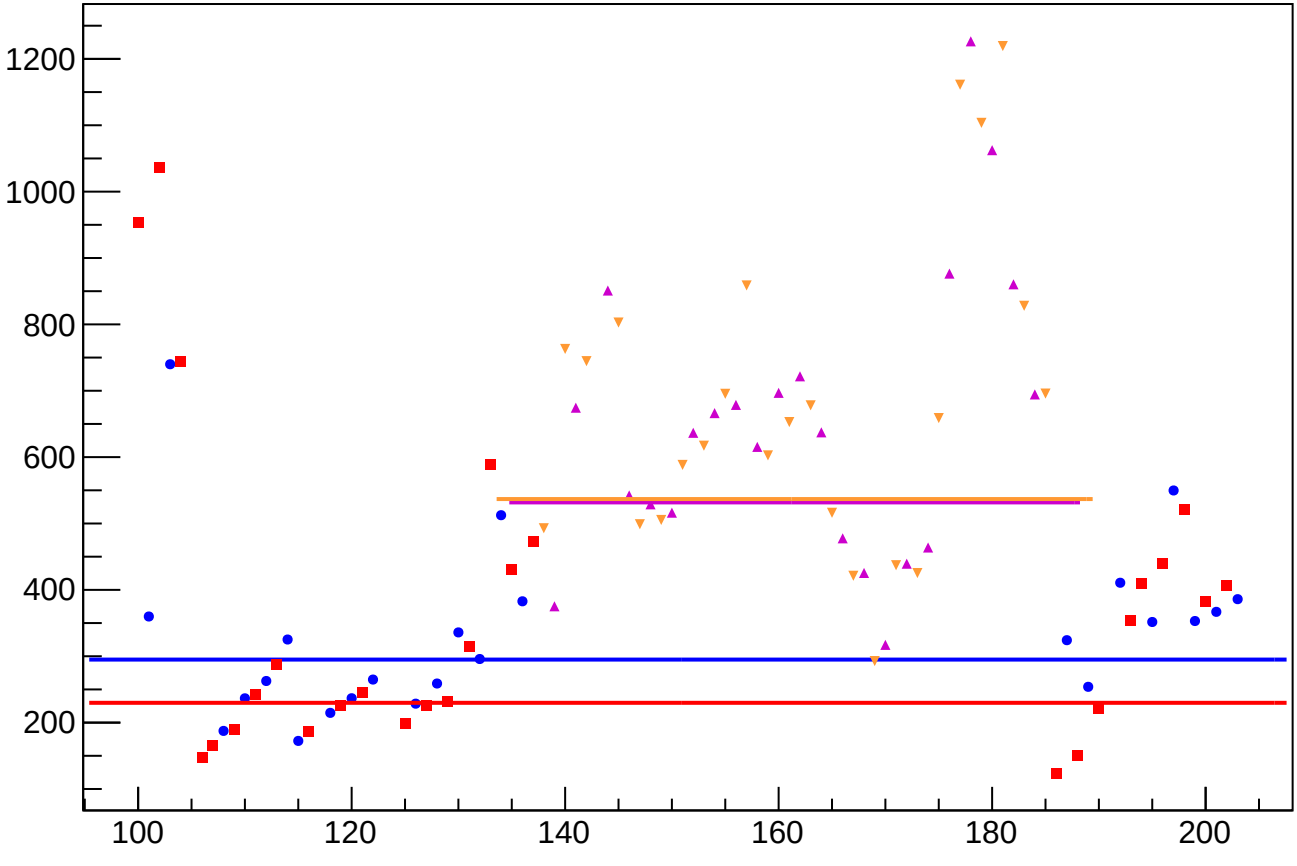
Right: 0.025+/-0.055 χ^2/NDF: 48.2/50

In: 0.128+/-0.073 χ^2/NDF:40.5/46

Out: -0.030+/-0.062 χ^2/NDF:62.3/50

All: 0.037+/-0.047 χ^2/NDF: 105.5/97

asym_us_avg_at2lr_avg_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 294.972+/-0.061 χ^2/NDF: 2203075.4/23

Left Out: 536.822+/-0.095 χ^2/NDF:3963422.5/23

Right Out: 229.837+/-0.050 χ^2/NDF: 4970174.0/26

Left In: 531.773+/-0.094 χ^2/NDF:3381293.8/22

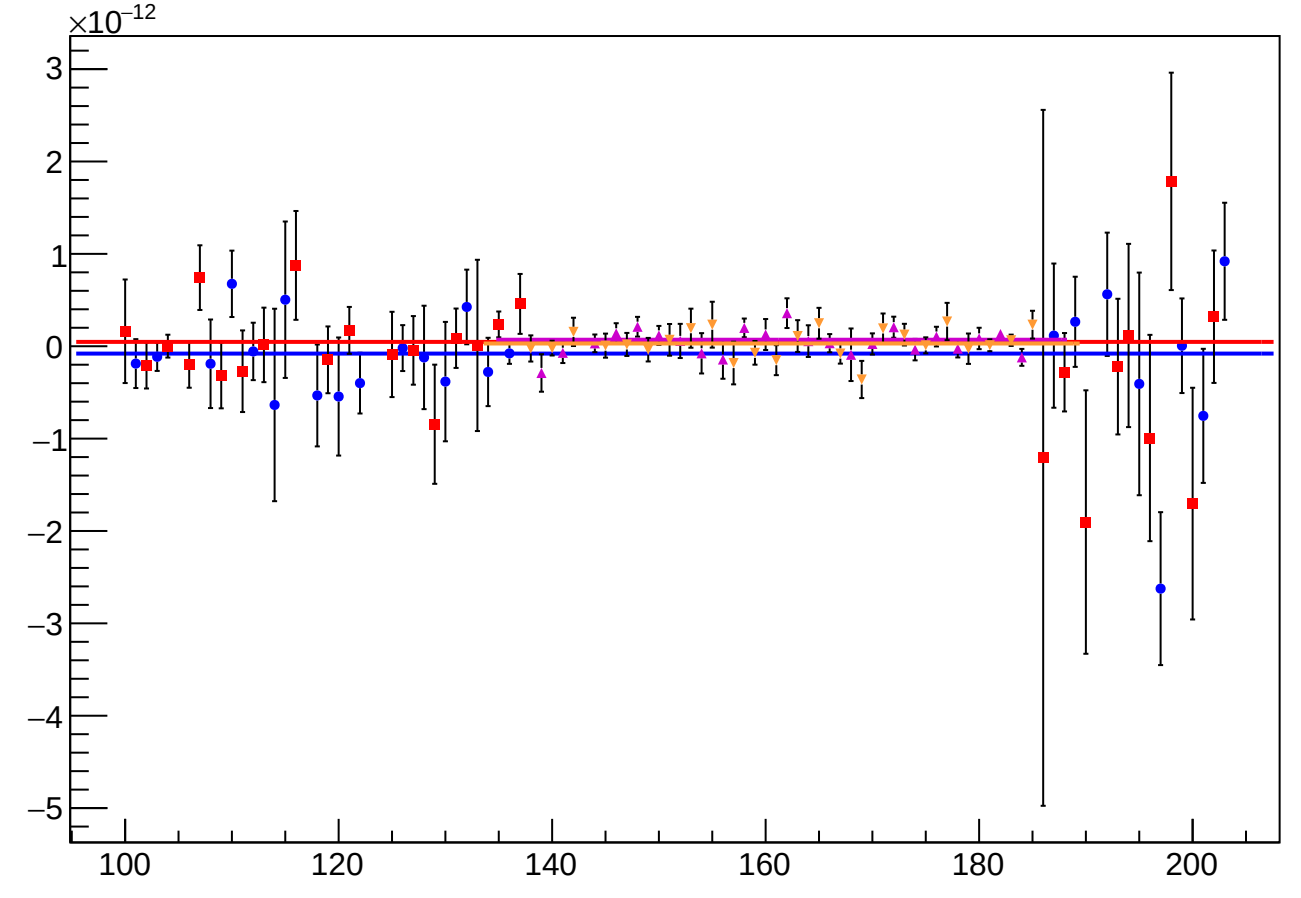
Left: 534.268+/-0.067 χ^2/NDF: 7346152.7/46

Right: 255.752+/-0.039 χ^2/NDF: 7853574.9/50

In: 365.944+/-0.051 χ^2/NDF:10060227.6/46

Out: 296.328+/-0.044 χ^2/NDF:17160354.1/50

All: 325.917+/-0.033 χ^2/NDF: 28280326.3/97



Right In: -0.000+/-0.000 χ^2/NDF: 24.1/23

Left Out: 0.000+/-0.000 χ^2/NDF:17.7/23

Right Out: 0.000+/-0.000 χ^2/NDF: 23.6/26

Left In: 0.000+/-0.000 χ^2/NDF:23.4/22

Left: 0.000+/-0.000 χ^2/NDF: 42.6/46

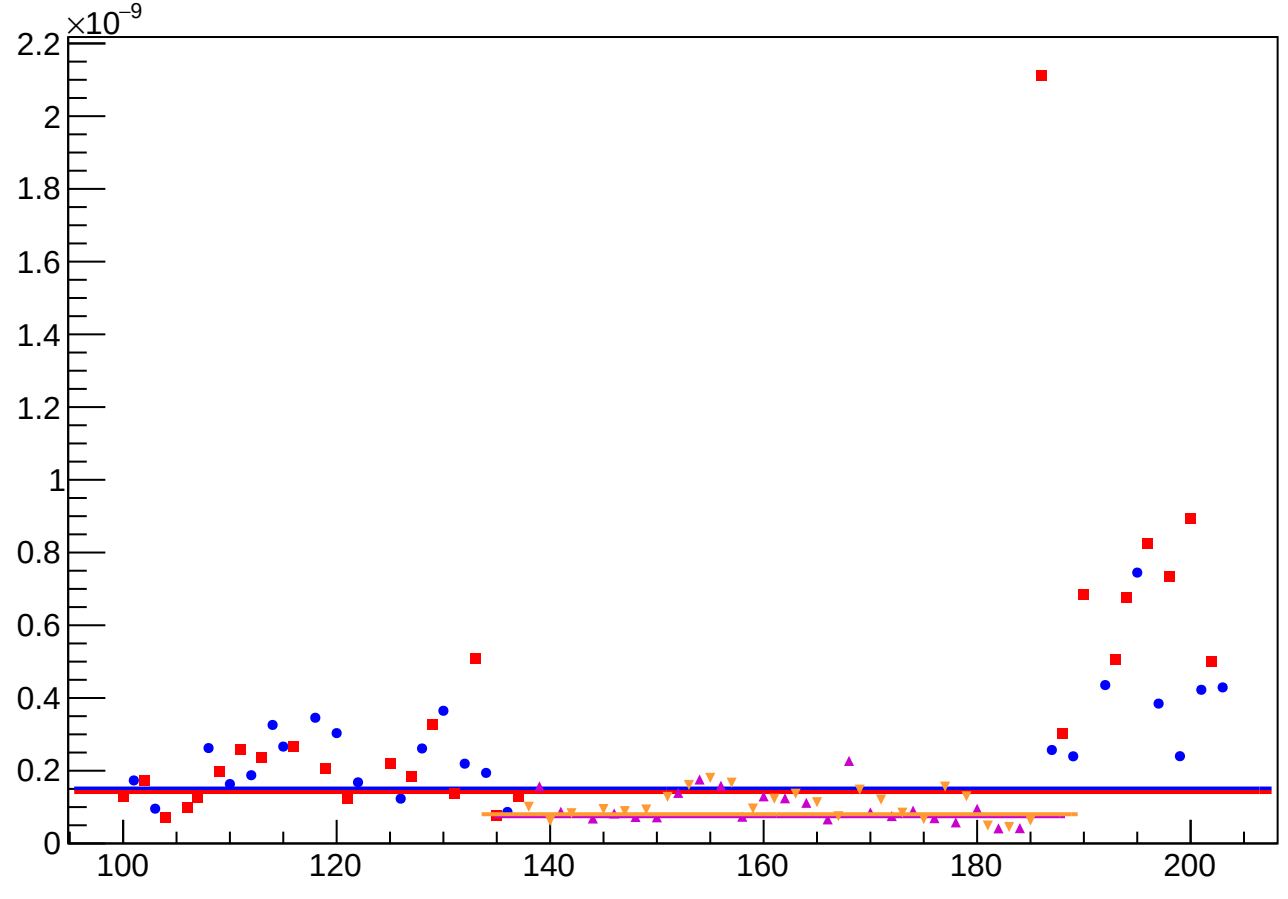
Right: -0.000+/-0.000 χ^2/NDF: 49.7/50

In: 0.000+/-0.000 χ^2/NDF:52.1/46

Out: 0.000+/-0.000 χ^2/NDF:41.4/50

All: 0.000+/-0.000 χ^2/NDF: 94.0/97

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: 3767056.9/23

Left Out: 0.000+/-0.000 χ^2/NDF:3732870.2/23

Right Out: 0.000+/-0.000 χ^2/NDF: 6864264.6/26

Left In: 0.000+/-0.000 χ^2/NDF:3665599.9/22

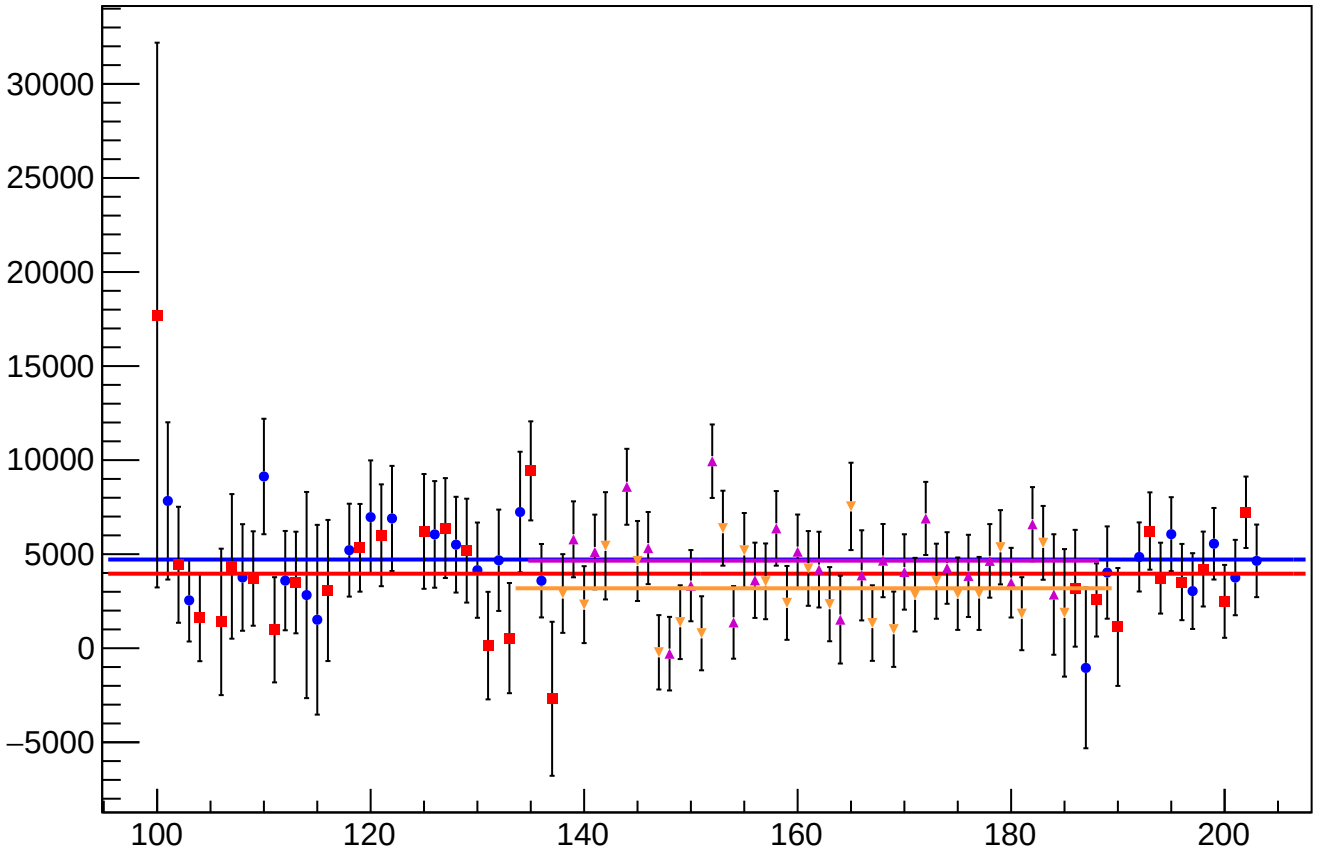
Left: 0.000+/-0.000 χ^2/NDF: 7451186.8/46

Right: 0.000+/-0.000 χ^2/NDF: 10653316.1/50

In: 0.000+/-0.000 χ^2/NDF:9789283.3/46

Out: 0.000+/-0.000 χ^2/NDF:12237428.6/50

All: 0.000+/-0.000 χ^2/NDF: 22080155.8/97



Right In: 4715.427+/-508.752 χ^2/NDF: 10.4/23

Left Out: 3187.125+/-418.619 χ^2/NDF:19.9/23

Right Out: 3962.507+/-494.275 χ^2/NDF: 22.4/26

Left In: 4655.206+/-421.691 χ^2/NDF:27.7/22

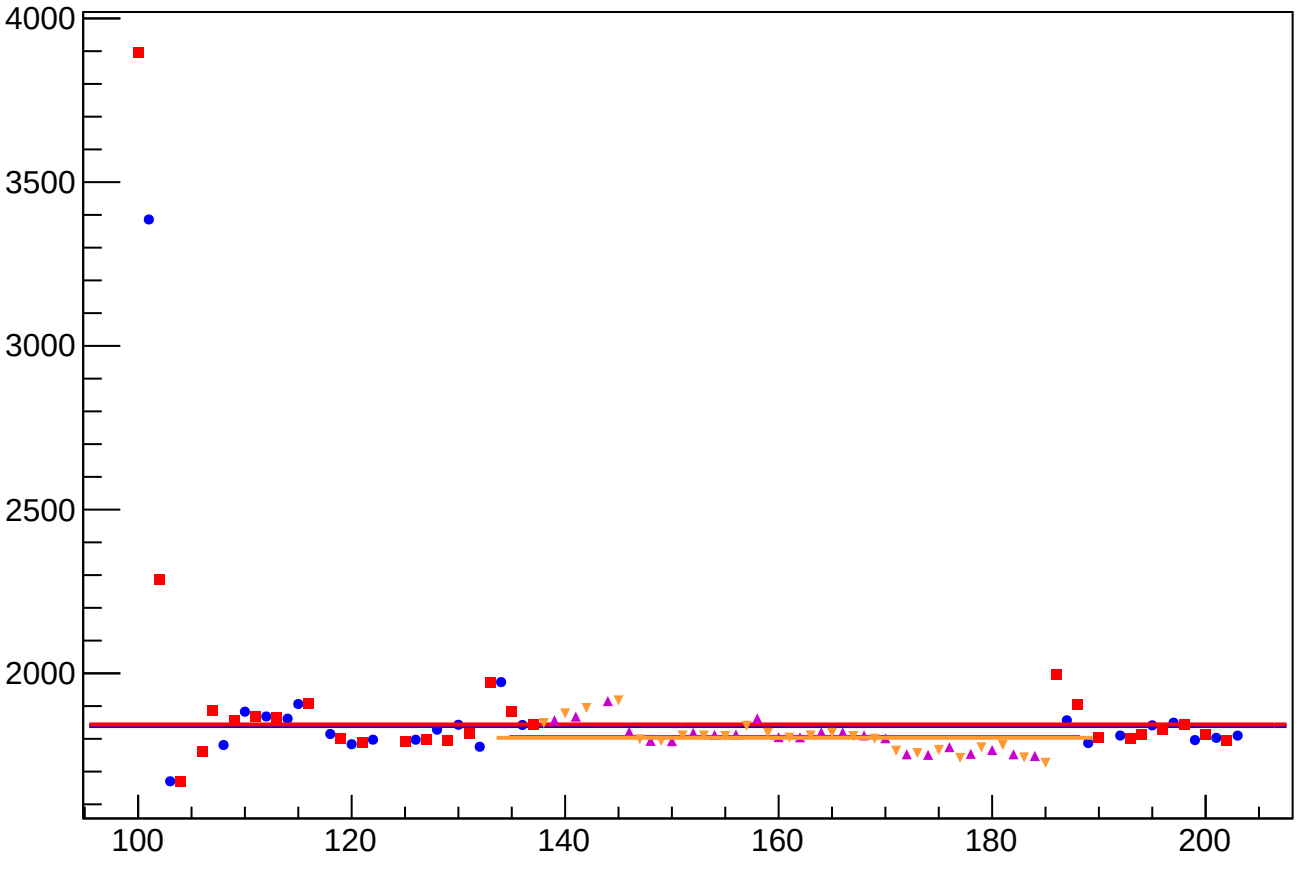
Left: 3915.797+/-297.089 χ^2/NDF: 53.7/46

Right: 4328.102+/-354.513 χ^2/NDF: 34.0/50

In: 4679.731+/-324.663 χ^2/NDF:38.2/46

Out: 3510.994+/-319.445 χ^2/NDF:43.7/50

All: 4085.894+/-227.704 χ^2/NDF: 88.4/97



Right In: 1839.058+/-0.360 χ^2/NDF: 297649.8/23

Left Out: 1803.115+/-0.296 χ^2/NDF:20641.1/23

Right Out: 1843.946+/-0.349 χ^2/NDF: 112944.4/26

Left In: 1805.559+/-0.298 χ^2/NDF:19314.7/22

Left: 1804.328+/-0.210 χ^2/NDF: 39989.6/46

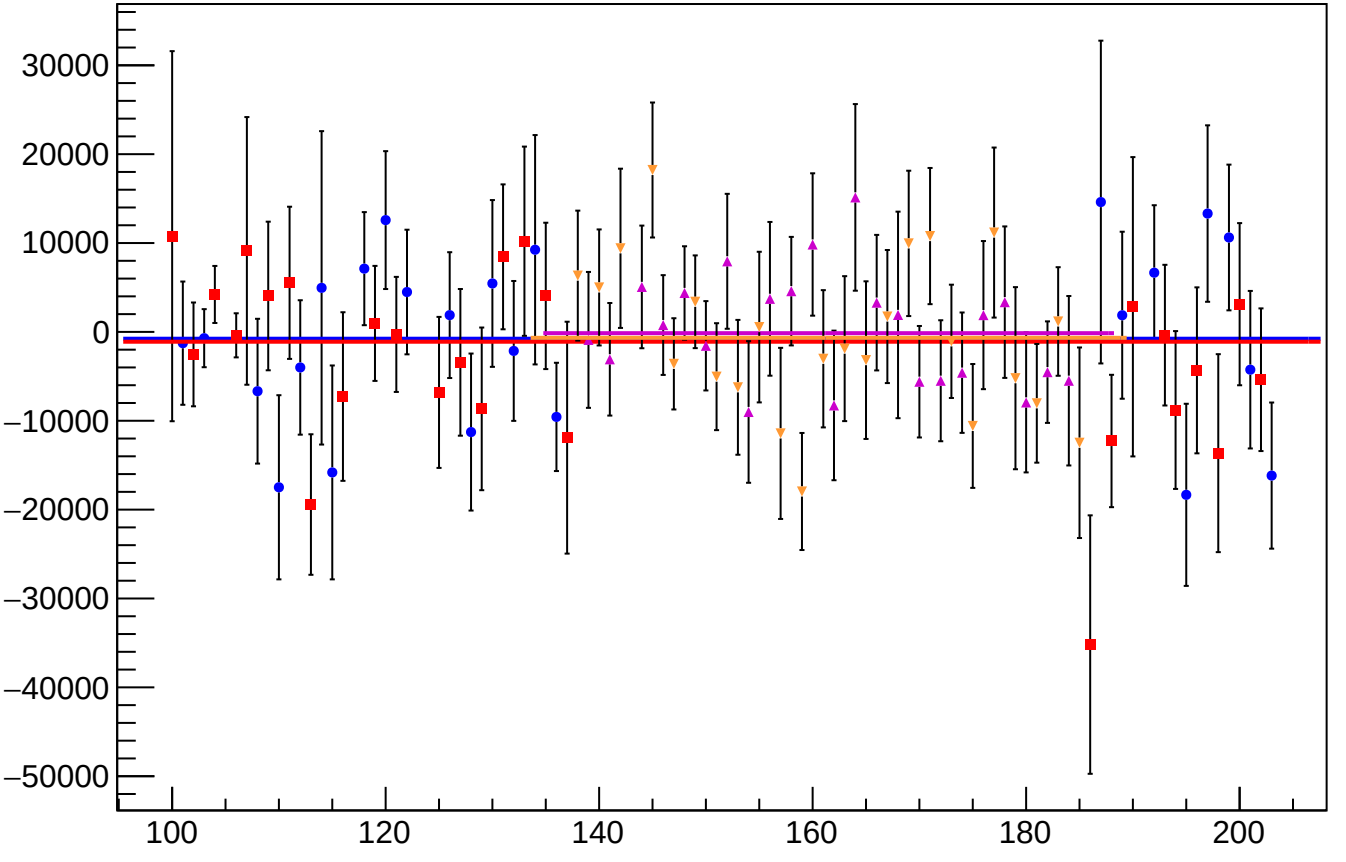
Right: 1841.576+/-0.250 χ^2/NDF: 410689.3/50

In: 1819.201+/-0.230 χ^2/NDF:322104.7/46

Out: 1820.200+/-0.226 χ^2/NDF:141547.2/50

All: 1819.709+/-0.161 χ^2/NDF: 463661.5/97

asym_us_avg_atlr_avg_avg_reg_correction_mean vs Slug, Sign Corrected



Right In: -766.869+/-1552.189 χ^2/NDF: 27.1/23

Left Out: -667.243+/-1478.798 χ^2/NDF:29.8/23

Right Out: -1105.302+/-1307.187 χ^2/NDF: 25.8/26

Left In: -143.435+/-1471.371 χ^2/NDF:13.6/22

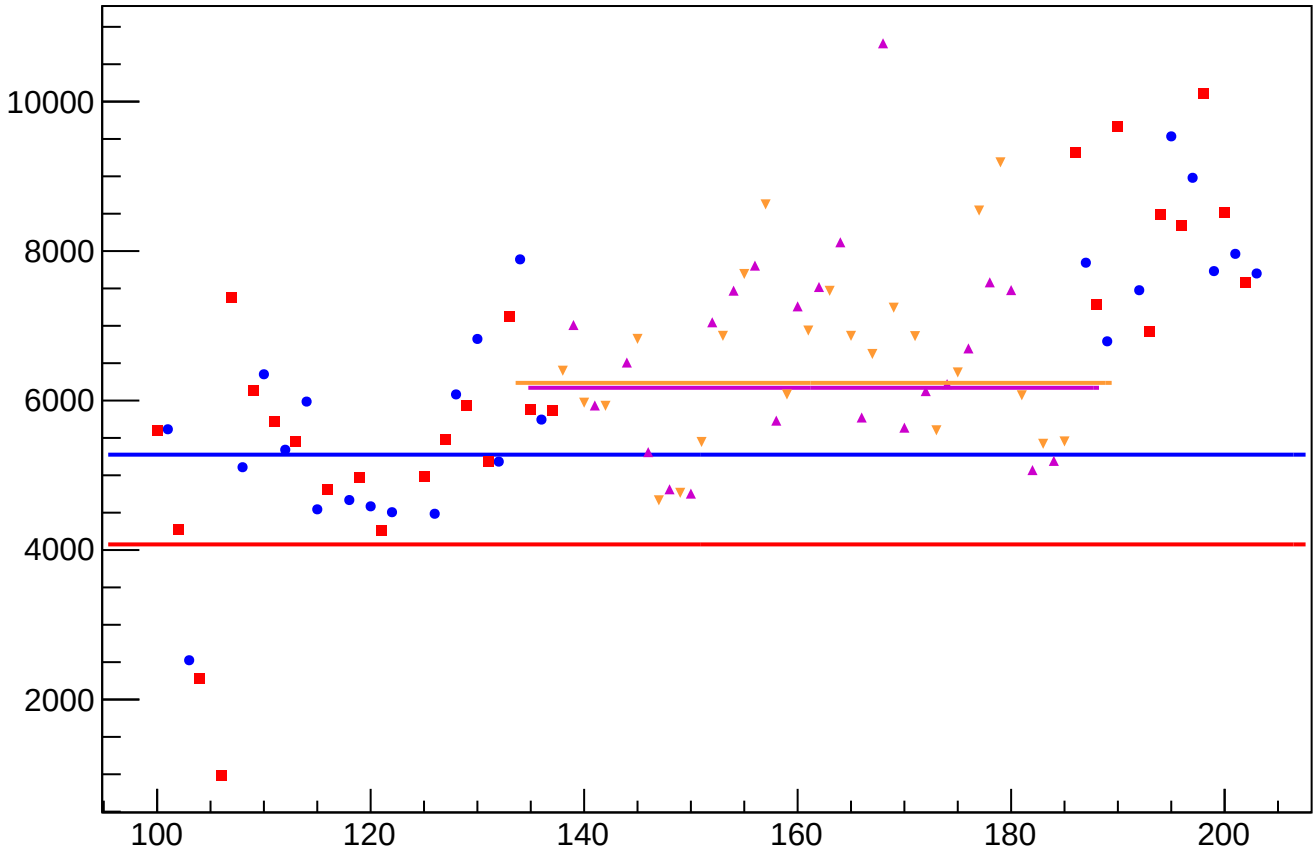
Left: -404.020+/-1043.032 χ^2/NDF: 43.4/46

Right: -964.872+/-999.857 χ^2/NDF: 52.9/50

In: -438.500+/-1067.845 χ^2/NDF:40.7/46

Out: -913.154+/-979.401 χ^2/NDF:55.6/50

All: -696.294+/-721.787 χ^2/NDF: 96.4/97



Right In: 5276.114+/-1.098 χ^2/NDF: 3124248.5/23

Left Out: 6236.636+/-1.046 χ^2/NDF:1067659.4/23

Right Out: 4075.363+/-0.924 χ^2/NDF: 8114683.2/26

Left In: 6170.791+/-1.040 χ^2/NDF:1237554.5/22

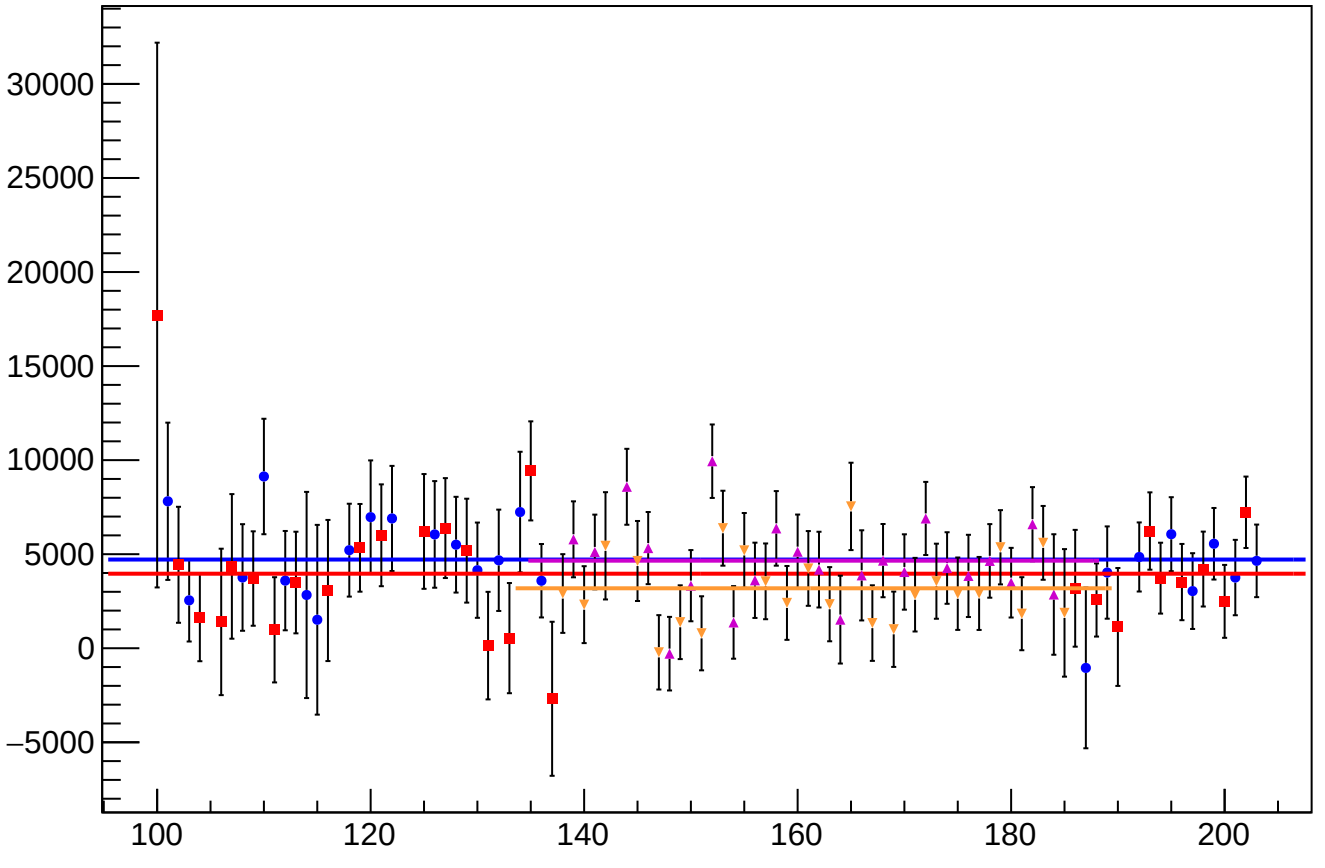
Left: 6203.548+/-0.738 χ^2/NDF: 2307206.4/46

Right: 4573.603+/-0.707 χ^2/NDF: 11939170.7/50

In: 5747.350+/-0.755 χ^2/NDF:4711784.9/46

Out: 5023.373+/-0.693 χ^2/NDF:11580495.5/50

All: 5354.143+/-0.510 χ^2/NDF: 16791578.4/9



Right In: 4715.251+/-508.752 χ^2/NDF: 10.4/23

Left Out: 3187.056+/-418.619 χ^2/NDF:19.9/23

Right Out: 3962.379+/-494.275 χ^2/NDF: 22.4/26

Left In: 4655.225+/-421.691 χ^2/NDF:27.7/22

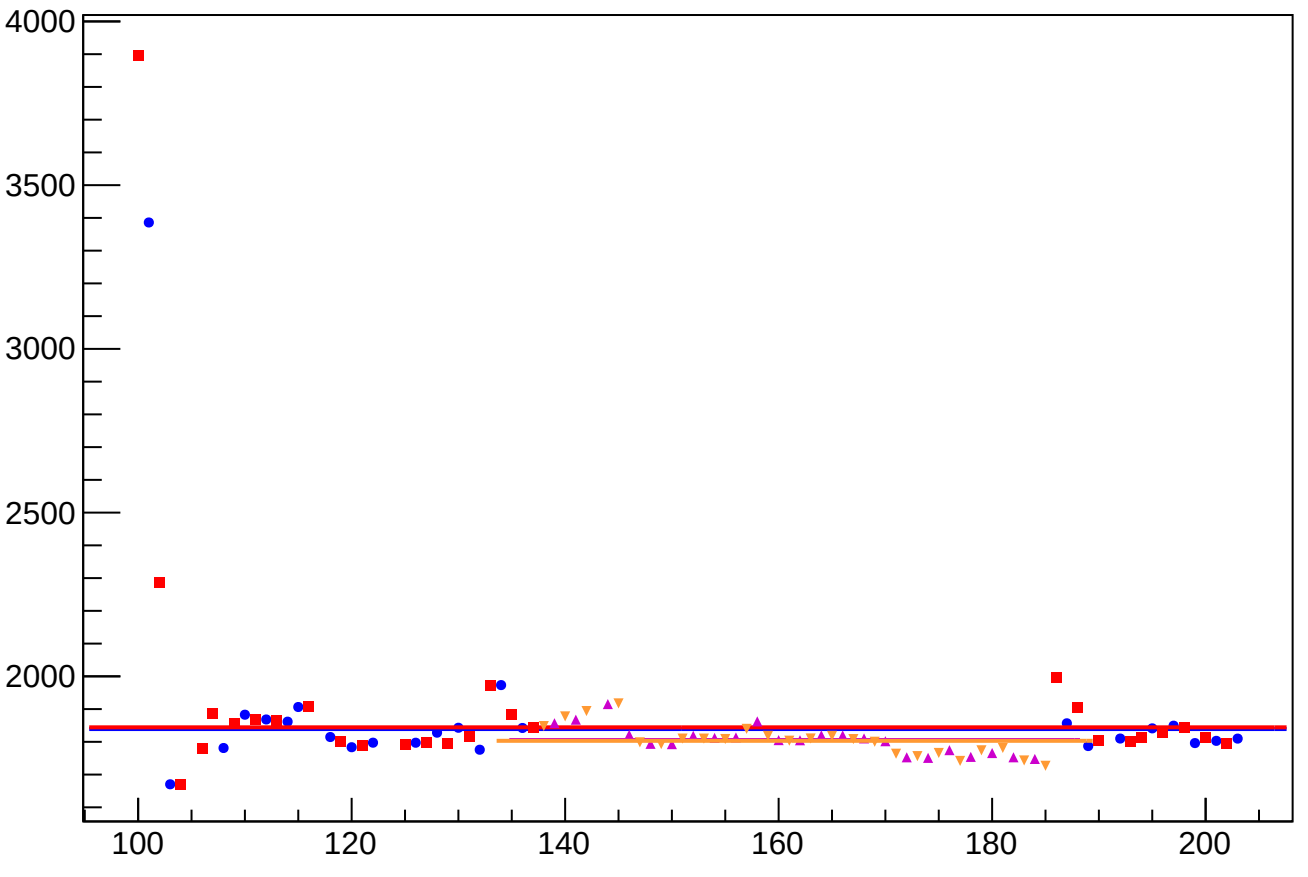
Left: 3915.772+/-297.089 χ^2/NDF: 53.7/46

Right: 4327.951+/-354.513 χ^2/NDF: 34.0/50

In: 4679.670+/-324.663 χ^2/NDF:38.2/46

Out: 3510.901+/-319.445 χ^2/NDF:43.7/50

All: 4085.817+/-227.704 χ^2/NDF: 88.4/97



Right In: 1839.058+/-0.360 χ^2/NDF: 297651.7/23

Left Out: 1803.115+/-0.296 χ^2/NDF:20641.1/23

Right Out: 1844.300+/-0.349 χ^2/NDF: 112530.8/26

Left In: 1805.559+/-0.298 χ^2/NDF:19314.6/22

Left: 1804.328+/-0.210 χ^2/NDF: 39989.6/46

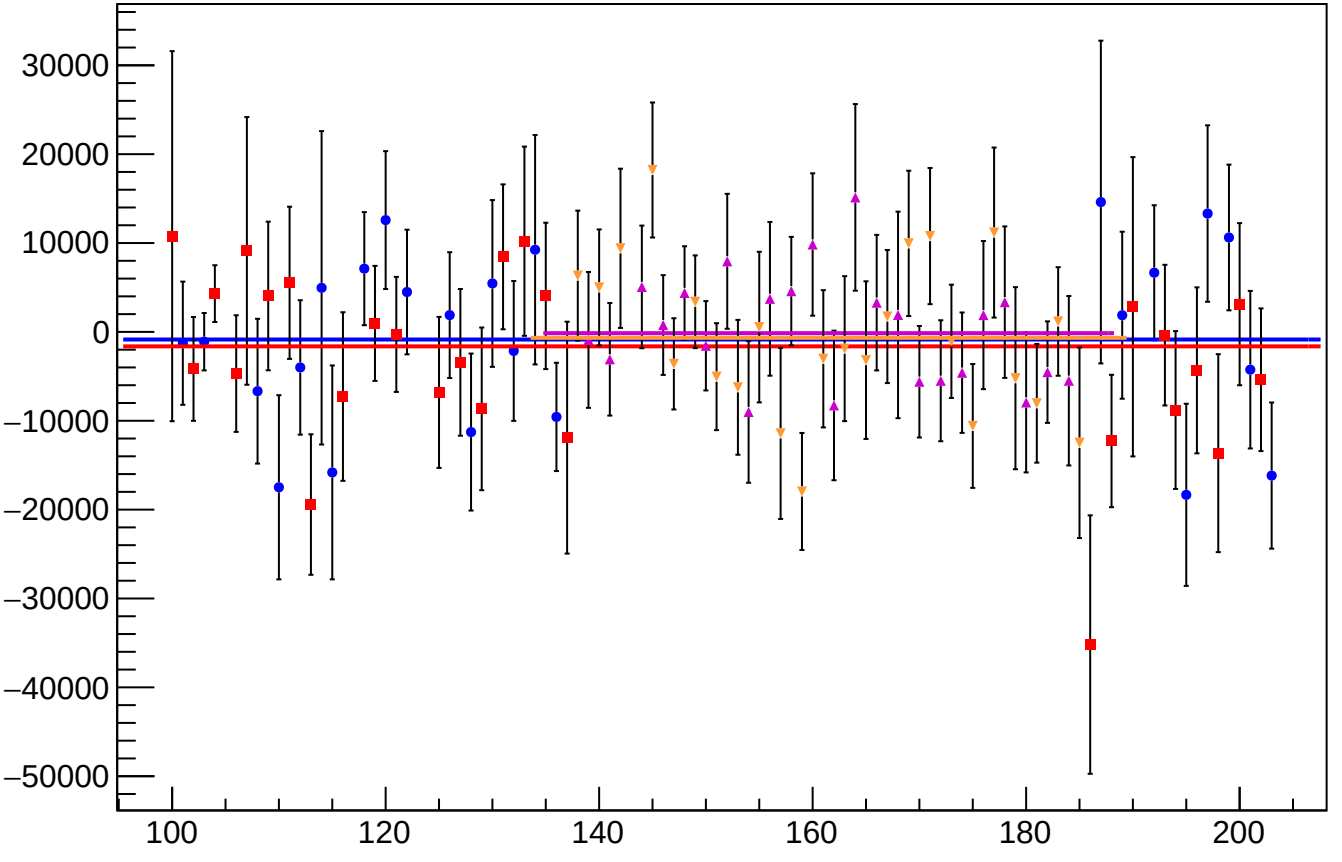
Right: 1841.758+/-0.251 χ^2/NDF: 410291.9/50

In: 1819.201+/-0.230 χ^2/NDF:322106.5/46

Out: 1820.345+/-0.226 χ^2/NDF:141270.9/50

All: 1819.783+/-0.161 χ^2/NDF: 463390.0/97

asym_us_avg_atlr_avg_avg_cor_correction_mean vs Slug, Sign Corrected



Right In: -857.538+/-1547.891 χ^2/NDF: 27.1/23

Left Out: -667.245+/-1478.798 χ^2/NDF:29.8/23

Right Out: -1627.800+/-1495.697 χ^2/NDF: 26.2/26

Left In: -143.369+/-1471.371 χ^2/NDF:13.6/22

Left: -403.988+/-1043.032 χ^2/NDF: 43.4/46

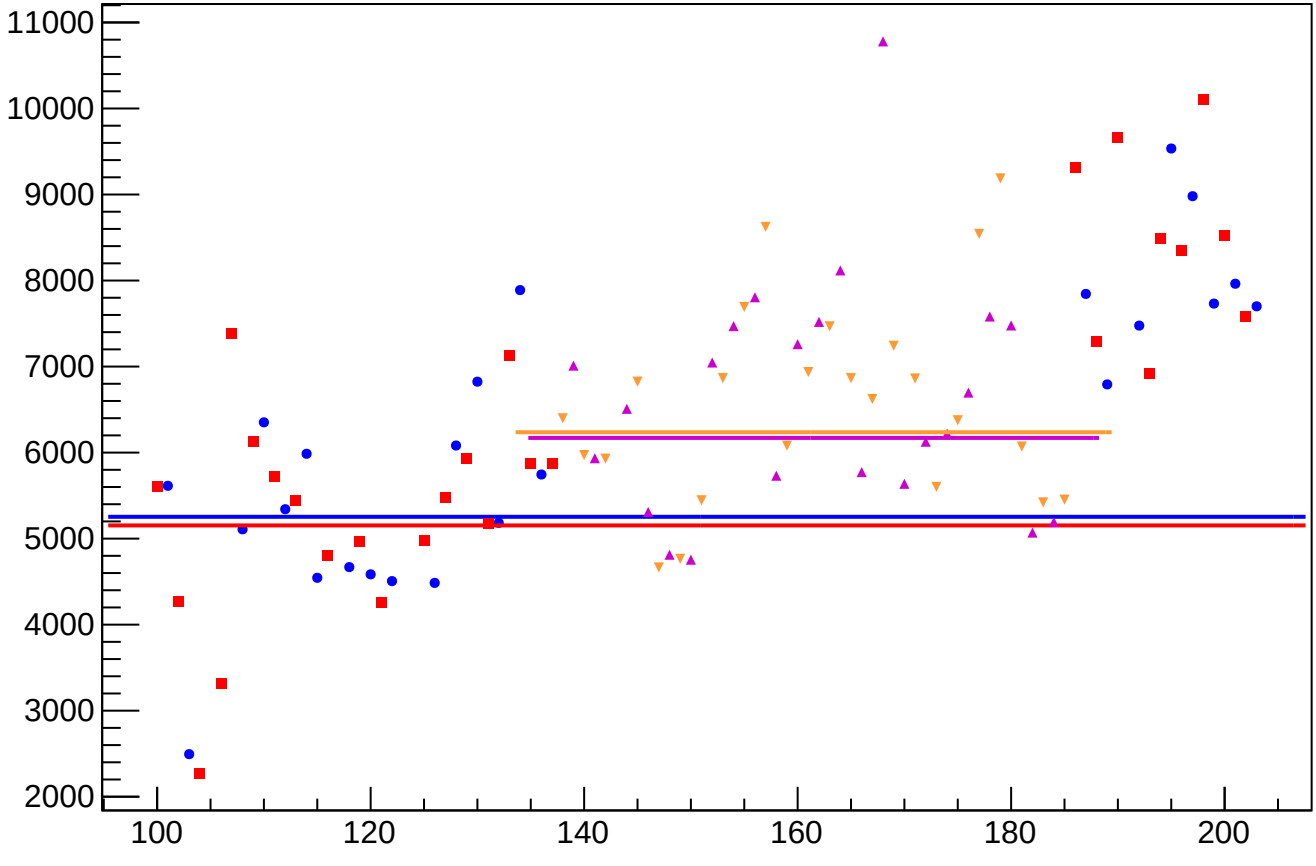
Right: -1255.874+/-1075.596 χ^2/NDF: 53.4/50

In: -482.365+/-1066.442 χ^2/NDF:40.7/46

Out: -1142.065+/-1051.592 χ^2/NDF:56.2/50

All: -816.840+/-748.783 χ^2/NDF: 97.1/97

asym_us_avg_atlr_avg_avg_cor_correction_rms vs Slug, Sign Corrected



Right In: 5253.804+/-1.095 χ^2/NDF: 3191317.4/23

Left Out: 6236.635+/-1.046 χ^2/NDF:1067665.4/23

Right Out: 5153.457+/-1.058 χ^2/NDF: 4006724.5/26

Left In: 6170.789+/-1.040 χ^2/NDF:1237564.5/22

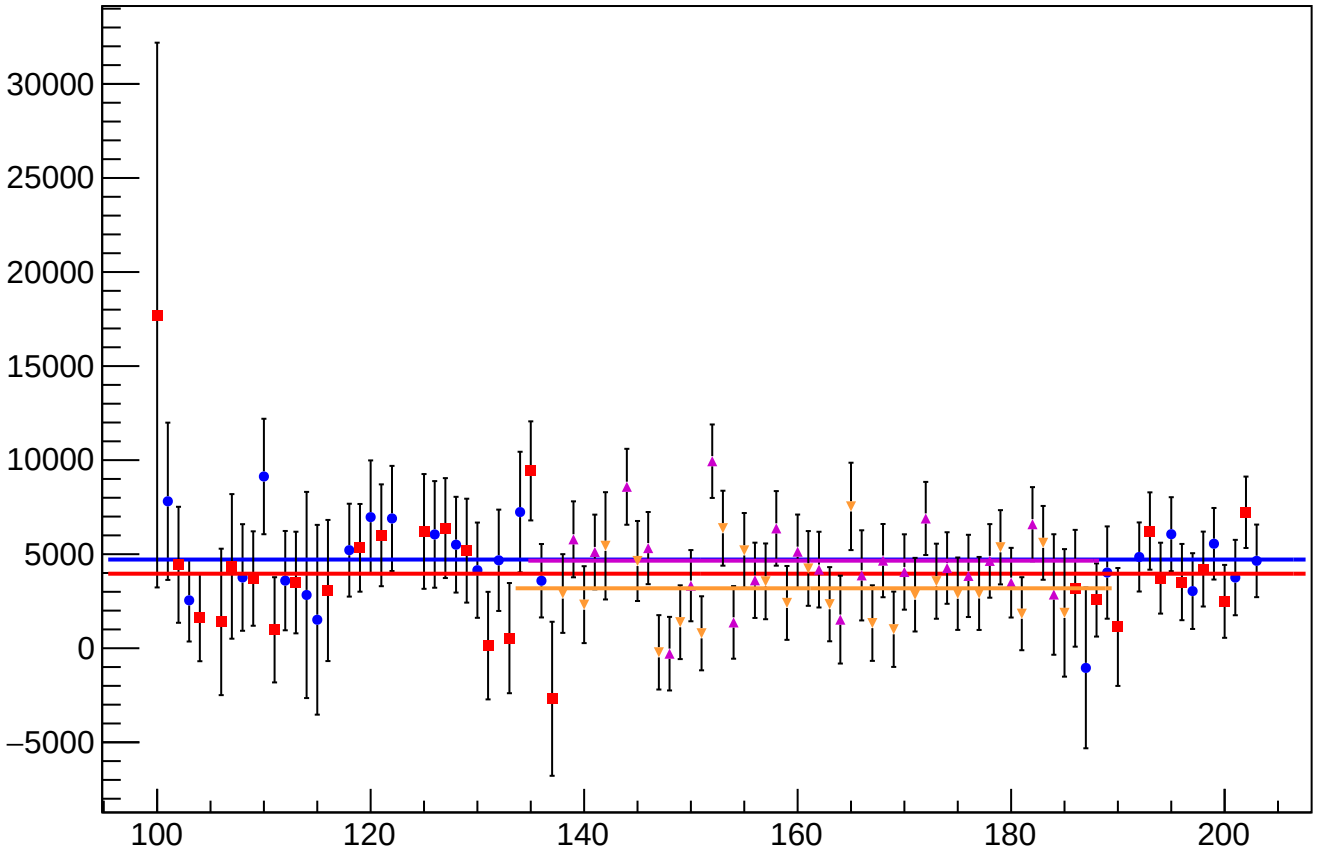
Left: 6203.546+/-0.738 χ^2/NDF: 2307222.5/46

Right: 5201.910+/-0.761 χ^2/NDF: 7202388.7/50

In: 5735.522+/-0.754 χ^2/NDF:4797607.7/46

Out: 5701.200+/-0.744 χ^2/NDF:5604808.8/50

All: 5718.120+/-0.529 χ^2/NDF: 10403466.8/9



Right In: 4715.251+/-508.752 χ^2/NDF: 10.4/23

Left Out: 3187.056+/-418.619 χ^2/NDF:19.9/23

Right Out: 3962.379+/-494.275 χ^2/NDF: 22.4/26

Left In: 4655.225+/-421.691 χ^2/NDF:27.7/22

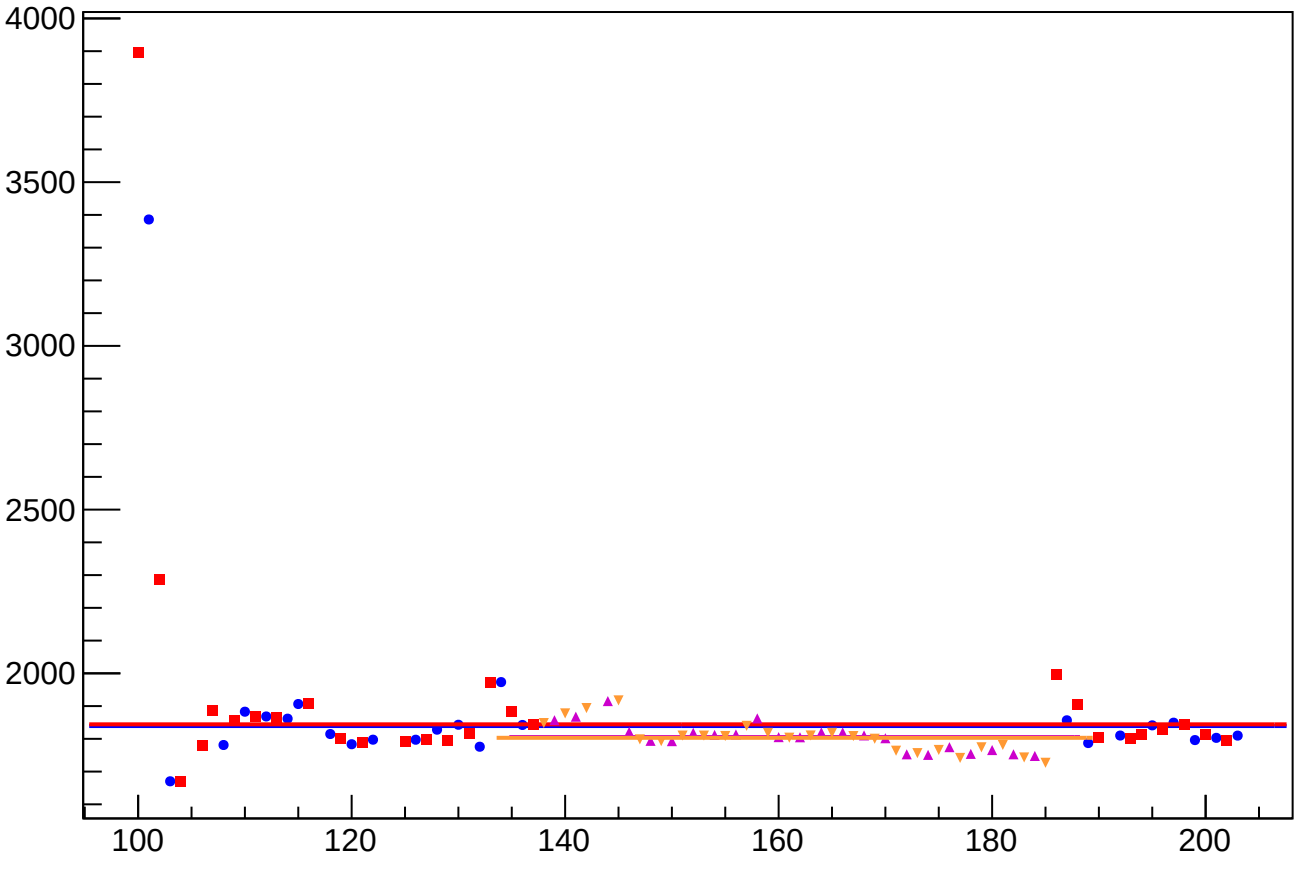
Left: 3915.772+/-297.089 χ^2/NDF: 53.7/46

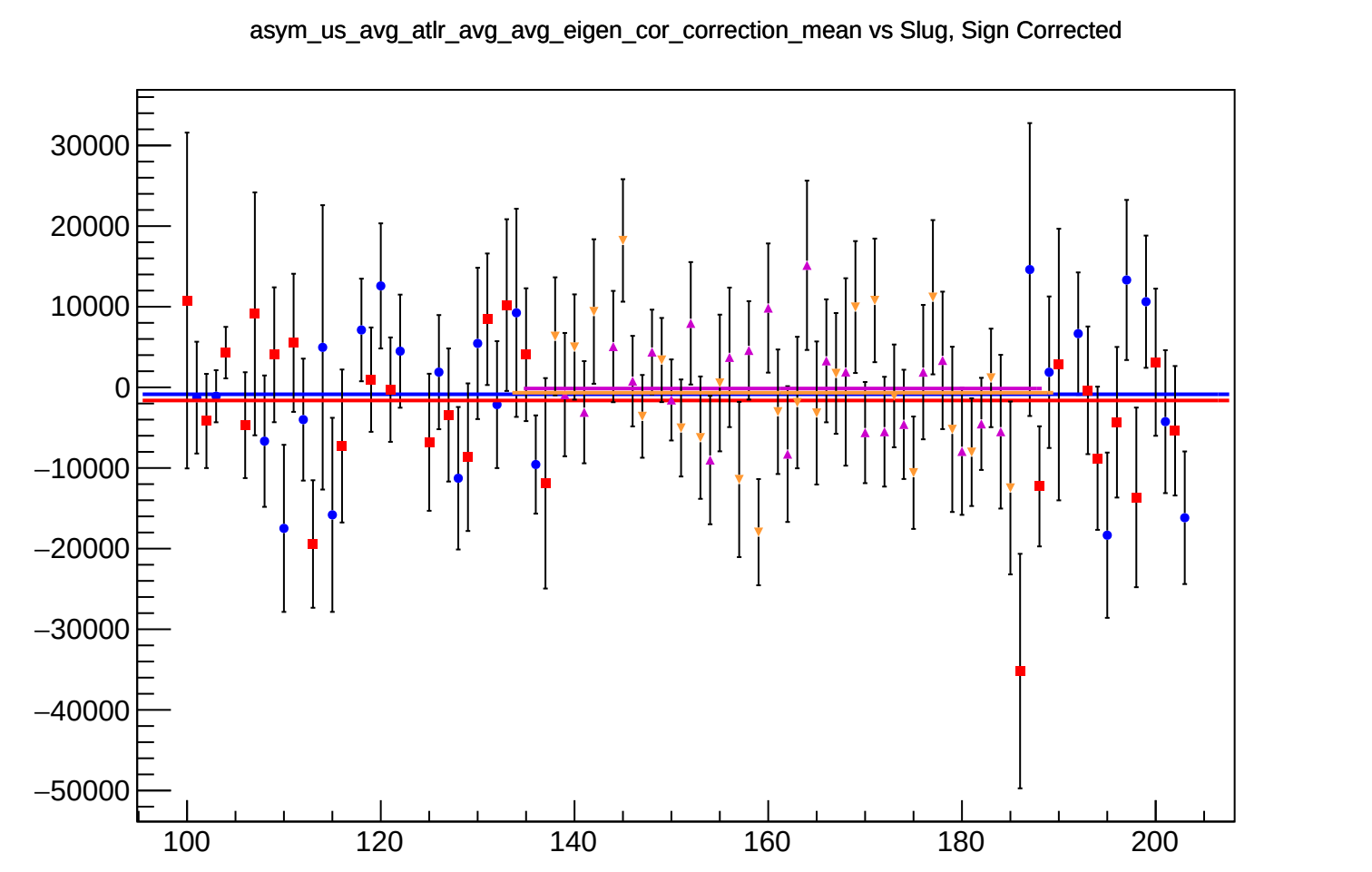
Right: 4327.951+/-354.513 χ^2/NDF: 34.0/50

In: 4679.670+/-324.663 χ^2/NDF:38.2/46

Out: 3510.901+/-319.445 χ^2/NDF:43.7/50

All: 4085.817+/-227.704 χ^2/NDF: 88.4/97


eigen_cor_asym_us_avg_atlr_avg_avg_rms vs Slug, Sign Corrected
4000
3500
3000
2500
2000
100
120
140
160
180
200
Right In: 1839.058+/-0.360 χ²/NDF: 297651.7/23
Left Out: 1803.115+/-0.296 χ²/NDF:20641.1/23
Right Out: 1844.300+/-0.349 χ²/NDF: 112530.8/26
Left In: 1805.559+/-0.298 χ²/NDF:19314.6/22
Left: 1804.328+/-0.210 χ²/NDF: 39989.6/46
Right: 1841.758+/-0.251 χ²/NDF: 410291.9/50
In: 1819.201+/-0.230 χ²/NDF:322106.5/46
Out: 1820.345+/-0.226 χ²/NDF:141270.9/50
All: 1819.783+/-0.161 χ²/NDF: 463390.0/97



Right In: -857.538+/-1547.891 χ^2/NDF: 27.1/23

Left Out: -667.245+/-1478.798 χ^2/NDF:29.8/23

Right Out: -1627.800+/-1495.697 χ^2/NDF: 26.2/26

Left In: -143.369+/-1471.371 χ^2/NDF:13.6/22

Left: -403.988+/-1043.032 χ^2/NDF: 43.4/46

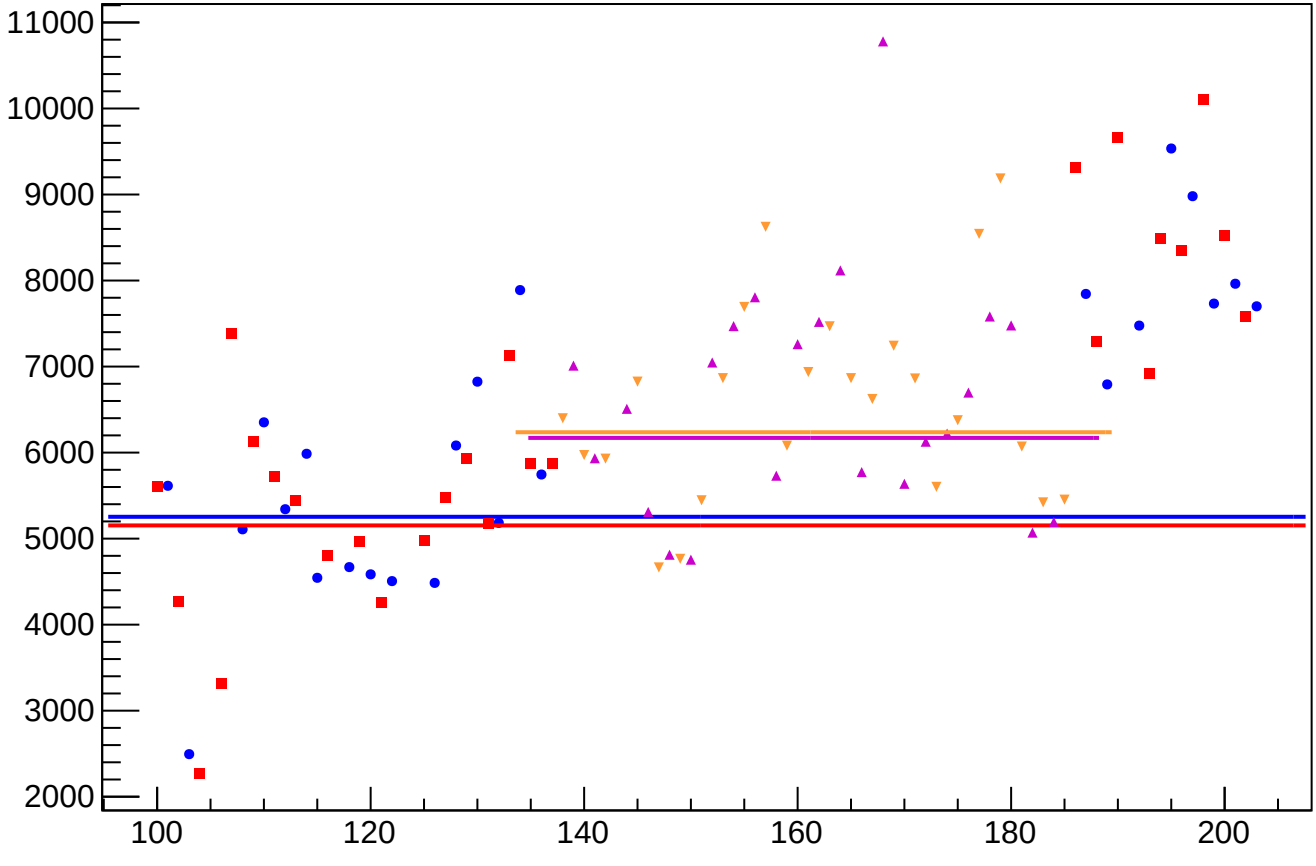
Right: -1255.874+/-1075.596 χ^2/NDF: 53.4/50

In: -482.365+/-1066.442 χ^2/NDF:40.7/46

Out: -1142.065+/-1051.592 χ^2/NDF:56.2/50

All: -816.840+/-748.783 χ^2/NDF: 97.1/97

asym_us_avg_atlr_avg_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 5253.804+/-1.095 χ^2/NDF: 3191317.4/23

Left Out: 6236.635+/-1.046 χ^2/NDF:1067665.4/23

Right Out: 5153.457+/-1.058 χ^2/NDF: 4006724.5/26

Left In: 6170.789+/-1.040 χ^2/NDF:1237564.5/22

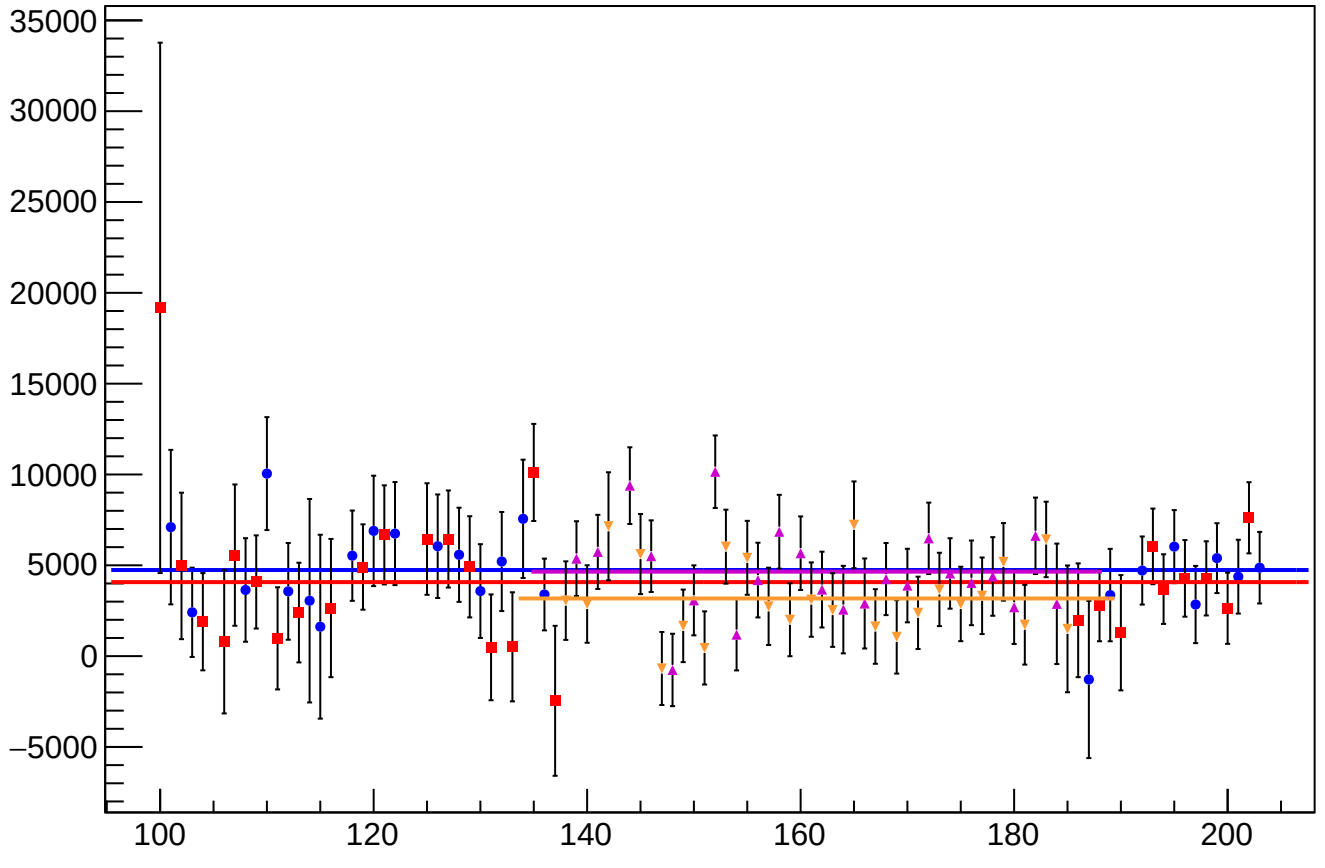
Left: 6203.546+/-0.738 χ^2/NDF: 2307222.5/46

Right: 5201.910+/-0.761 χ^2/NDF: 7202388.7/50

In: 5735.522+/-0.754 χ^2/NDF:4797607.7/46

Out: 5701.200+/-0.744 χ^2/NDF:5604808.8/50

All: 5718.120+/-0.529 χ^2/NDF: 10403466.8/9



Right In: 4740.549+/-520.431 χ^2/NDF: 11.4/23

Left Out: 3174.550+/-434.815 χ^2/NDF:21.6/23

Right Out: 4074.463+/-507.353 χ^2/NDF: 23.8/26

Left In: 4650.461+/-436.198 χ^2/NDF:30.5/22

Left: 3910.162+/-307.948 χ^2/NDF: 57.8/46

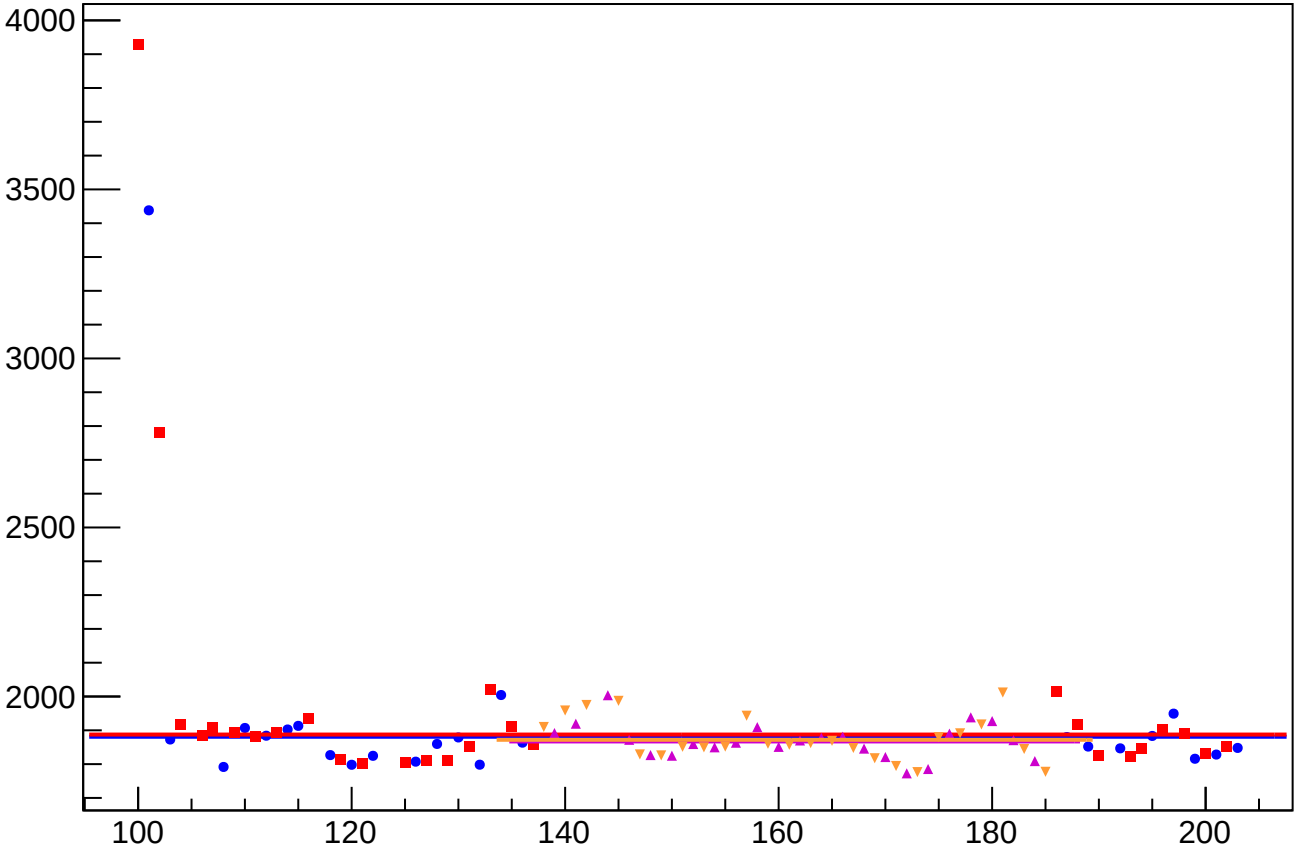
Right: 4399.032+/-363.288 χ^2/NDF: 36.0/50

In: 4687.634+/-334.304 χ^2/NDF:42.0/46

Out: 3555.630+/-330.155 χ^2/NDF:47.2/50

All: 4114.565+/-234.908 χ^2/NDF: 94.9/97

dit_asym_us_avg_atlr_avg_avg_rms vs Slug, Sign Corrected



Right In: 1880.994+/-0.368 χ^2/NDF: 287082.1/23

Left Out: 1871.979+/-0.307 χ^2/NDF:37154.8/23

Right Out: 1887.463+/-0.359 χ^2/NDF: 160913.8/26

Left In: 1867.079+/-0.308 χ^2/NDF:27246.7/22

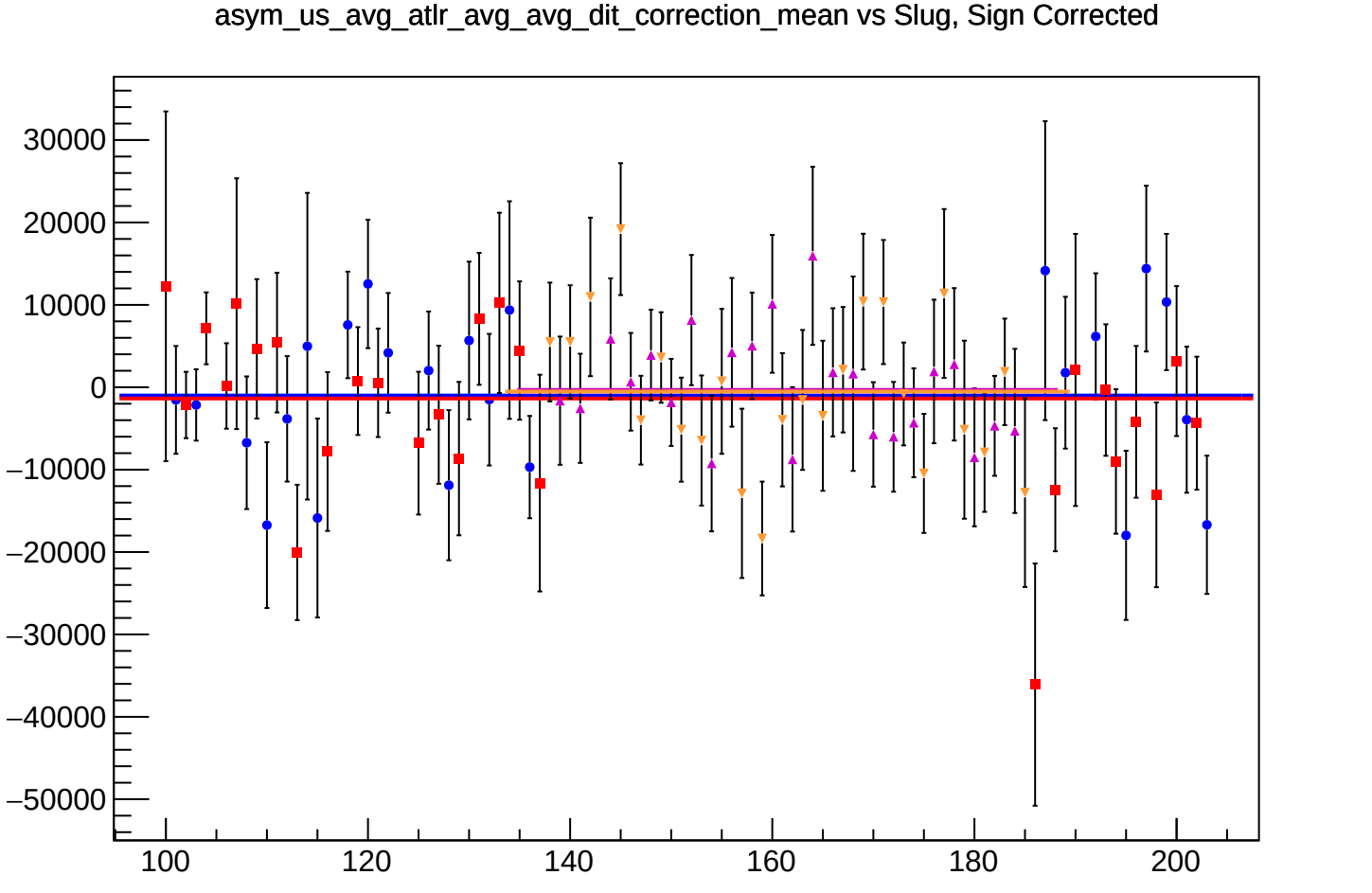
Left: 1869.537+/-0.218 χ^2/NDF: 64528.1/46

Right: 1884.312+/-0.257 χ^2/NDF: 448154.4/50

In: 1872.820+/-0.236 χ^2/NDF:315168.5/46

Out: 1878.540+/-0.233 χ^2/NDF:199143.2/50

All: 1875.717+/-0.166 χ^2/NDF: 514608.2/97



Right In: -1005.090+/-1641.956 χ^2/NDF: 27.0/23

Left Out: -520.262+/-1536.784 χ^2/NDF:29.2/23

Right Out: -1365.043+/-1502.394 χ^2/NDF: 26.8/26

Left In: -324.625+/-1527.995 χ^2/NDF:13.4/22

Left: -421.882+/-1083.550 χ^2/NDF: 42.6/46

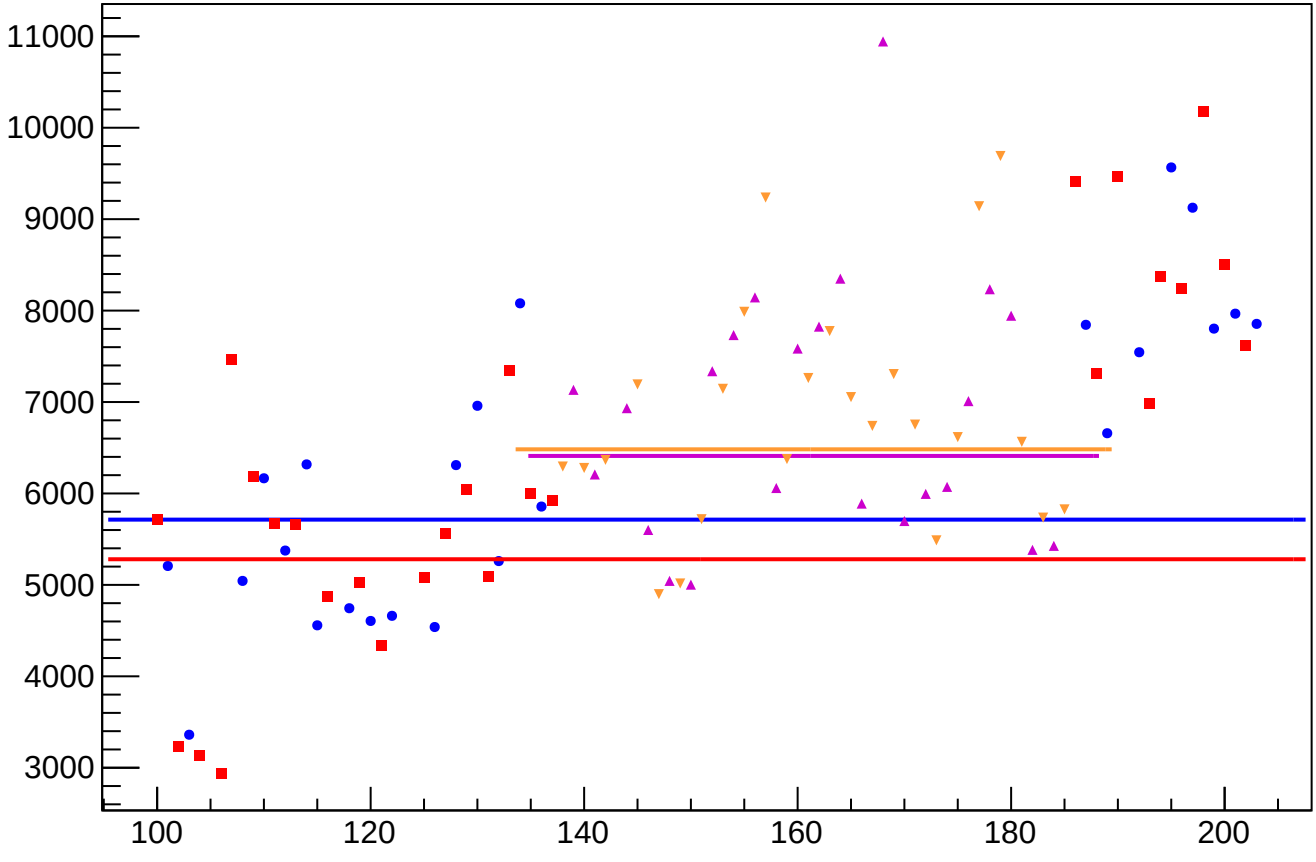
Right: -1201.012+/-1108.414 χ^2/NDF: 53.8/50

In: -640.426+/-1118.576 χ^2/NDF:40.5/46

Out: -952.210+/-1074.305 χ^2/NDF:56.1/50

All: -802.610+/-774.827 χ^2/NDF: 96.6/97

asym_us_avg_atlr_avg_avg_dit_correction_rms vs Slug, Sign Corrected



Right In: 5713.772+/-1.161 χ^2/NDF: 2000985.9/23

Left Out: 6482.730+/-1.087 χ^2/NDF:1074584.9/23

Right Out: 5280.462+/-1.062 χ^2/NDF: 3422758.5/26

Left In: 6410.419+/-1.080 χ^2/NDF:1219830.0/22

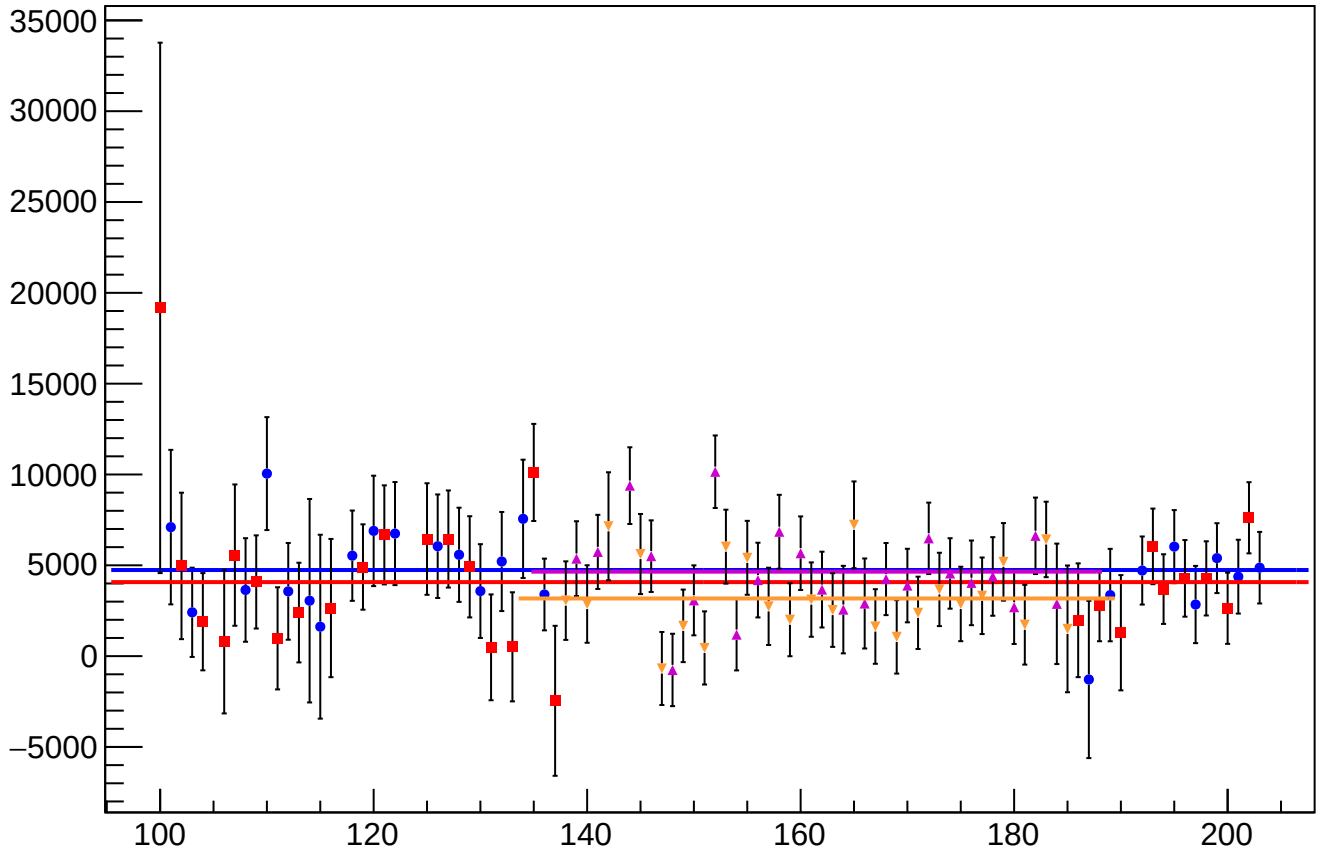
Left: 6446.367+/-0.766 χ^2/NDF: 2296641.6/46

Right: 5477.922+/-0.784 χ^2/NDF: 5499556.8/50

In: 6087.108+/-0.791 χ^2/NDF:3413754.8/46

Out: 5867.993+/-0.760 χ^2/NDF:5123228.3/50

All: 5973.129+/-0.548 χ^2/NDF: 8576903.5/97



Right In: 4740.543+/-520.431 χ^2/NDF: 11.4/23

Left Out: 3174.543+/-434.815 χ^2/NDF:21.6/23

Right Out: 4074.460+/-507.353 χ^2/NDF: 23.8/26

Left In: 4650.462+/-436.198 χ^2/NDF:30.5/22

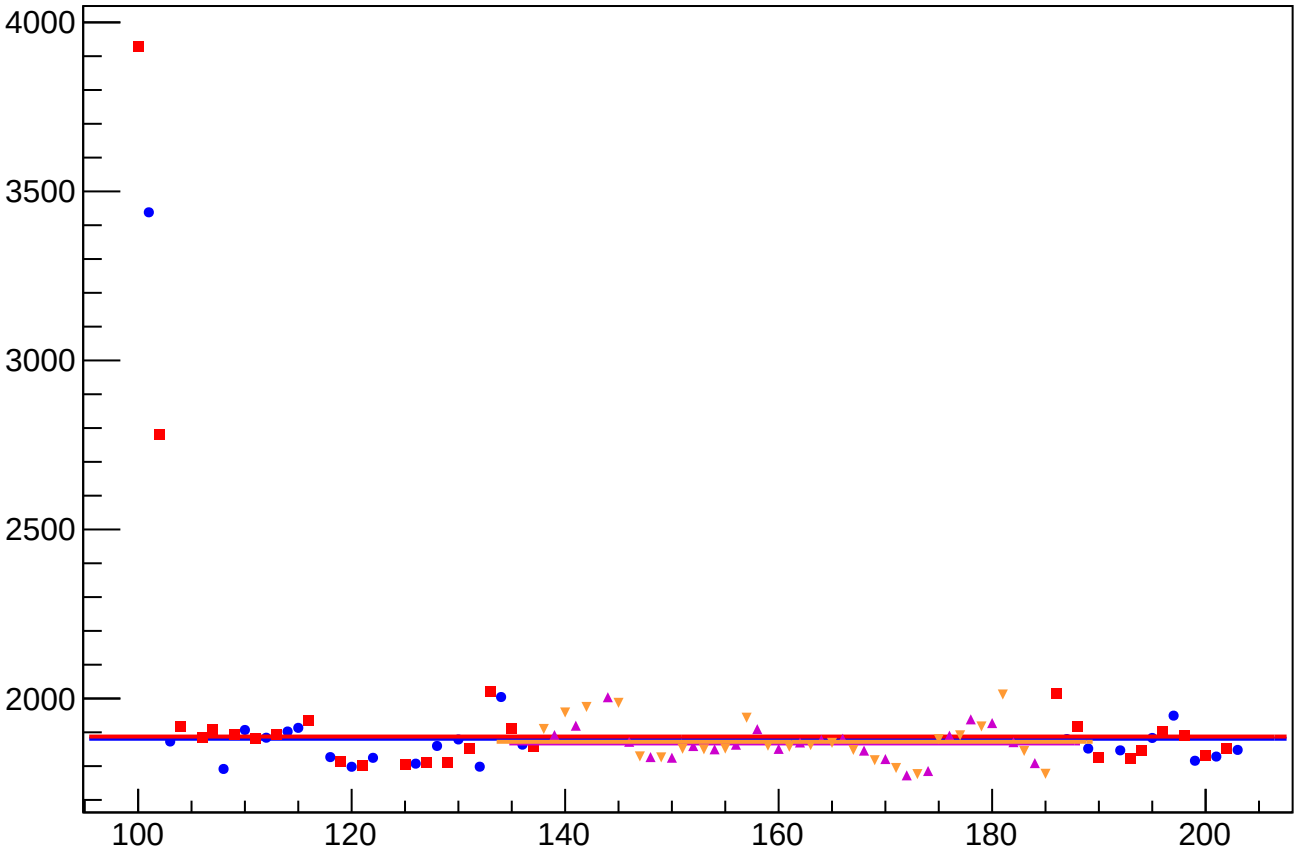
Left: 3910.160+/-307.949 χ^2/NDF: 57.8/46

Right: 4399.028+/-363.288 χ^2/NDF: 36.0/50

In: 4687.632+/-334.304 χ^2/NDF:42.0/46

Out: 3555.625+/-330.155 χ^2/NDF:47.2/50

All: 4114.561+/-234.908 χ^2/NDF: 94.9/97



Right In: 1880.993+/-0.368 χ^2/NDF: 287082.2/23

Left Out: 1871.981+/-0.307 χ^2/NDF:37155.9/23

Right Out: 1887.463+/-0.359 χ^2/NDF: 160912.8/26

Left In: 1867.080+/-0.308 χ^2/NDF:27247.8/22

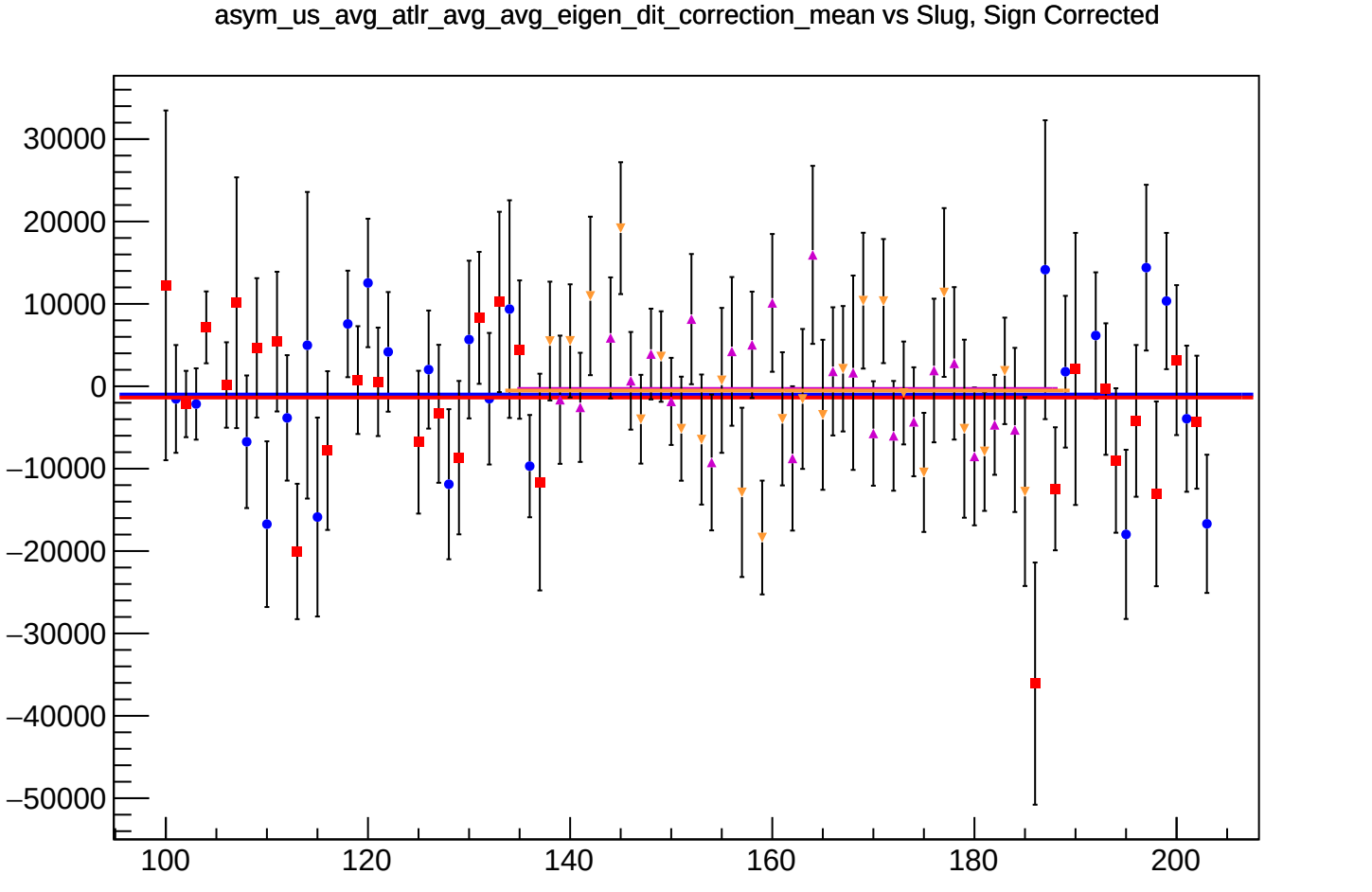
Left: 1869.538+/-0.218 χ^2/NDF: 64530.3/46

Right: 1884.312+/-0.257 χ^2/NDF: 448153.6/50

In: 1872.821+/-0.236 χ^2/NDF:315169.6/46

Out: 1878.541+/-0.233 χ^2/NDF:199143.0/50

All: 1875.717+/-0.166 χ^2/NDF: 514609.2/97



Right In: -1005.083+/-1641.954 χ^2/NDF: 27.0/23

Left Out: -520.268+/-1536.787 χ^2/NDF:29.2/23

Right Out: -1365.035+/-1502.392 χ^2/NDF: 26.8/26

Left In: -324.626+/-1527.998 χ^2/NDF:13.4/22

Left: -421.886+/-1083.552 χ^2/NDF: 42.6/46

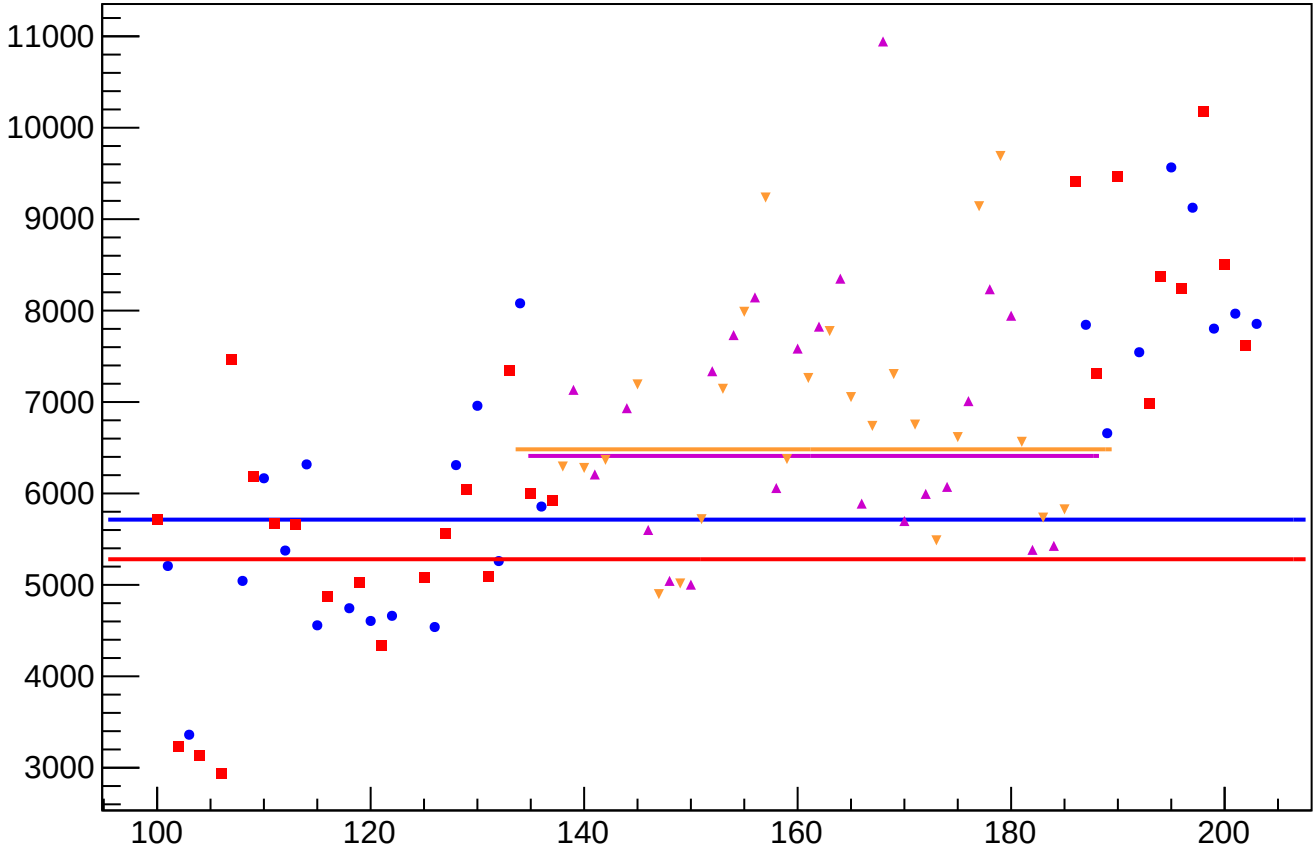
Right: -1201.004+/-1108.413 χ^2/NDF: 53.8/50

In: -640.425+/-1118.576 χ^2/NDF:40.5/46

Out: -952.211+/-1074.305 χ^2/NDF:56.1/50

All: -802.610+/-774.827 χ^2/NDF: 96.6/97

asym_us_avg_atlr_avg_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 5713.760+/-1.161 χ^2/NDF: 2001008.6/23

Left Out: 6482.740+/-1.087 χ^2/NDF:1074587.3/23

Right Out: 5280.451+/-1.062 χ^2/NDF: 3422780.0/26

Left In: 6410.429+/-1.080 χ^2/NDF:1219833.0/22

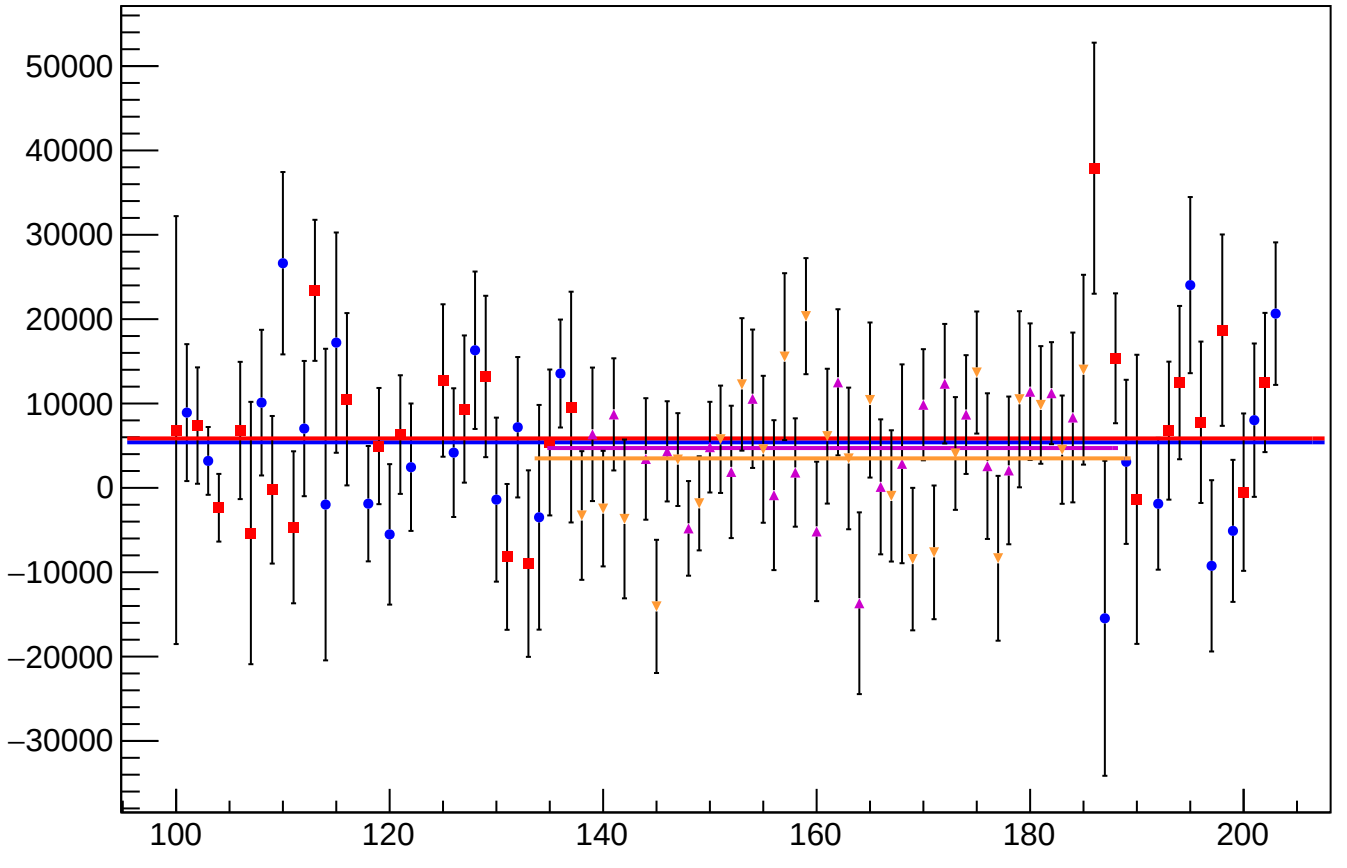
Left: 6446.377+/-0.766 χ^2/NDF: 2296647.1/46

Right: 5477.911+/-0.784 χ^2/NDF: 5499601.4/50

In: 6087.107+/-0.791 χ^2/NDF:3413792.5/46

Out: 5867.991+/-0.760 χ^2/NDF:5123275.1/50

All: 5973.127+/-0.548 χ^2/NDF: 8576988.6/97



Right In: 5400.397+/-1691.693 χ^2/NDF: 25.0/23

Left Out: 3497.162+/-1545.839 χ^2/NDF:27.5/23

Right Out: 5863.261+/-1648.858 χ^2/NDF: 26.4/26

Left In: 4719.535+/-1539.177 χ^2/NDF:14.3/22

Left: 4110.988+/-1090.710 χ^2/NDF: 42.1/46

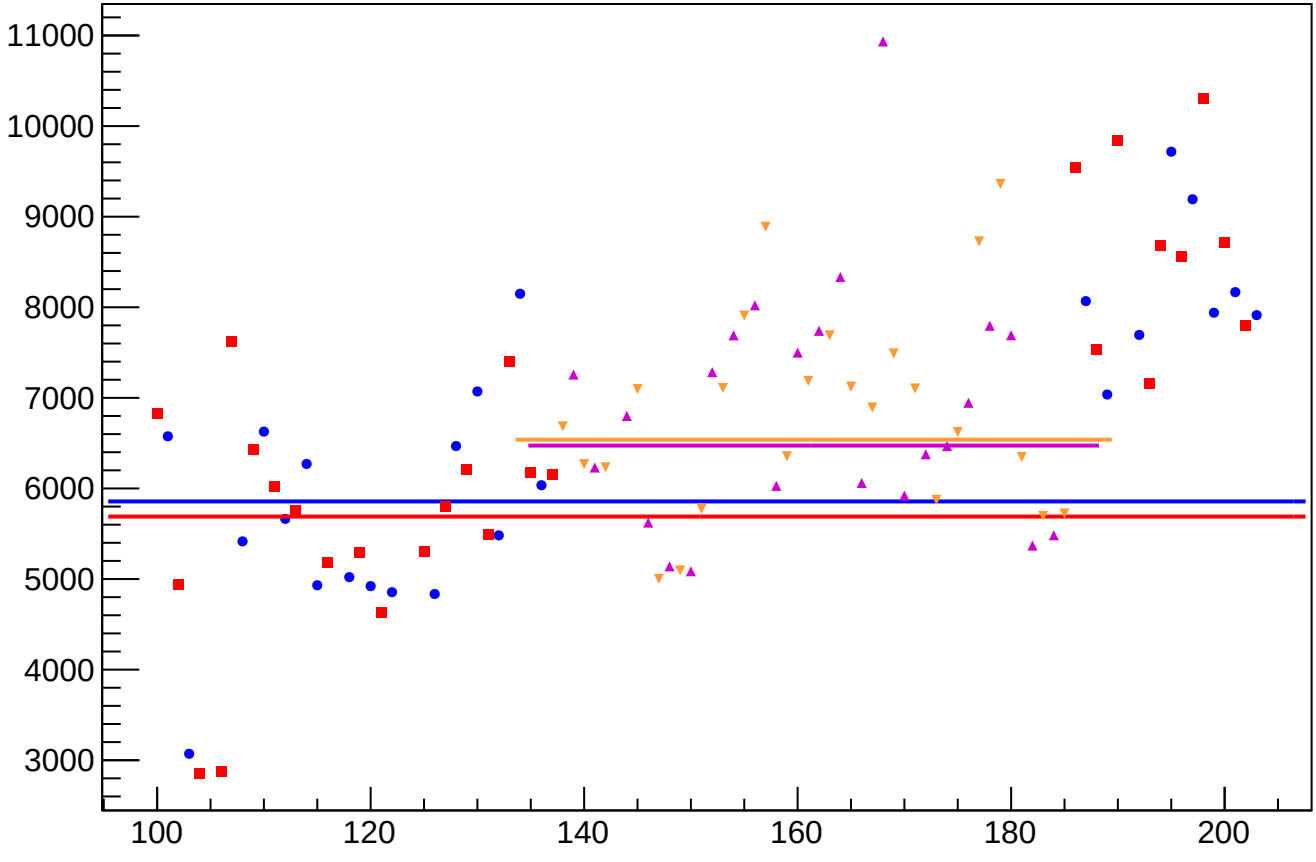
Right: 5637.763+/-1180.772 χ^2/NDF: 51.5/50

In: 5027.897+/-1138.472 χ^2/NDF:39.4/46

Out: 4603.991+/-1127.735 χ^2/NDF:55.0/50

All: 4813.936+/-801.198 χ^2/NDF: 94.4/97

asym_us_avg_atlr_avg_avg_rms vs Slug, Sign Corrected



Right In: 5856.770+/-1.196 χ^2/NDF: 2262649.5/23

Left Out: 6538.706+/-1.093 χ^2/NDF:920612.0/23

Right Out: 5689.662+/-1.148 χ^2/NDF: 3116743.0/26

Left In: 6473.481+/-1.088 χ^2/NDF:1071757.3/22

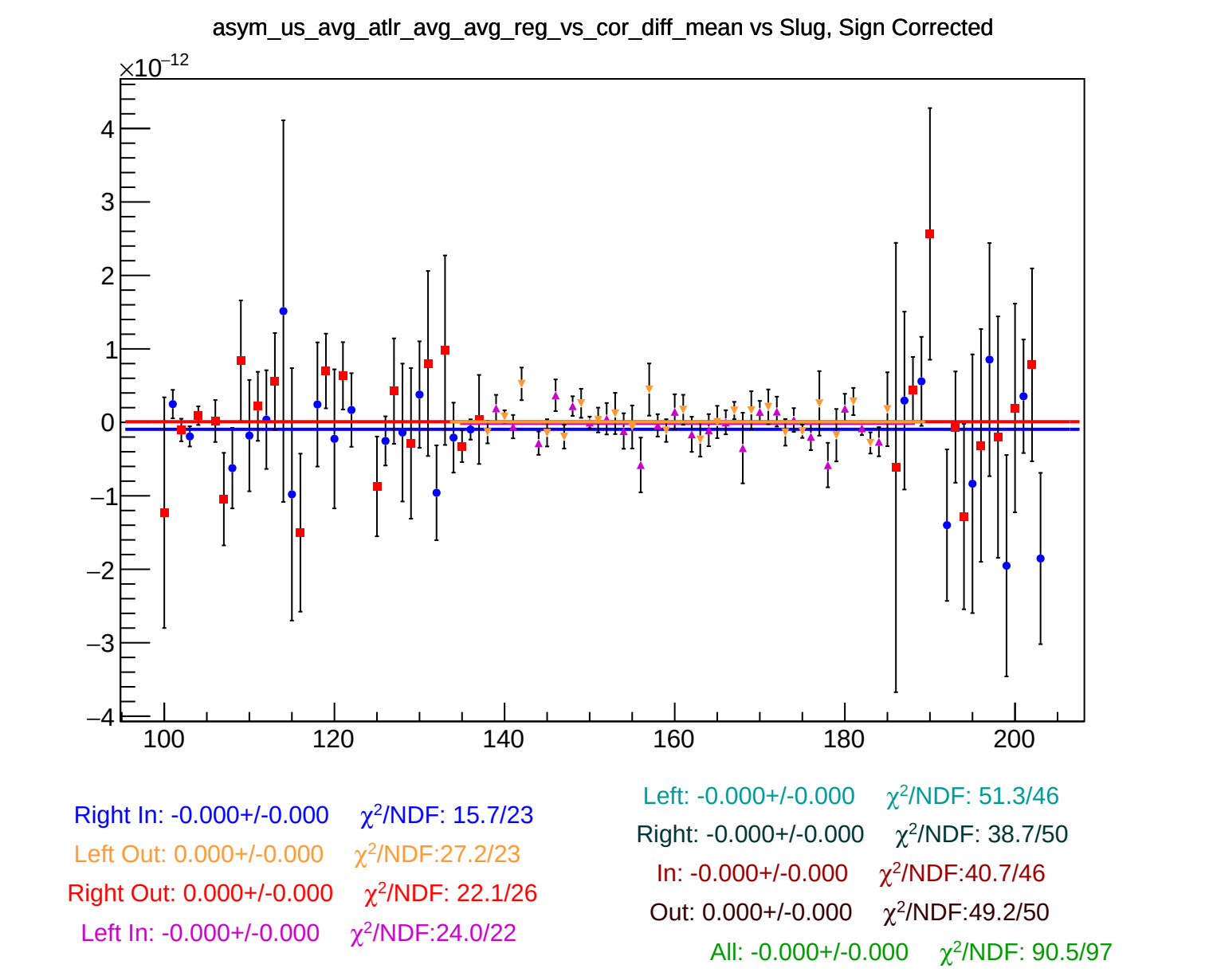
Left: 6505.953+/-0.771 χ^2/NDF: 1994157.3/46

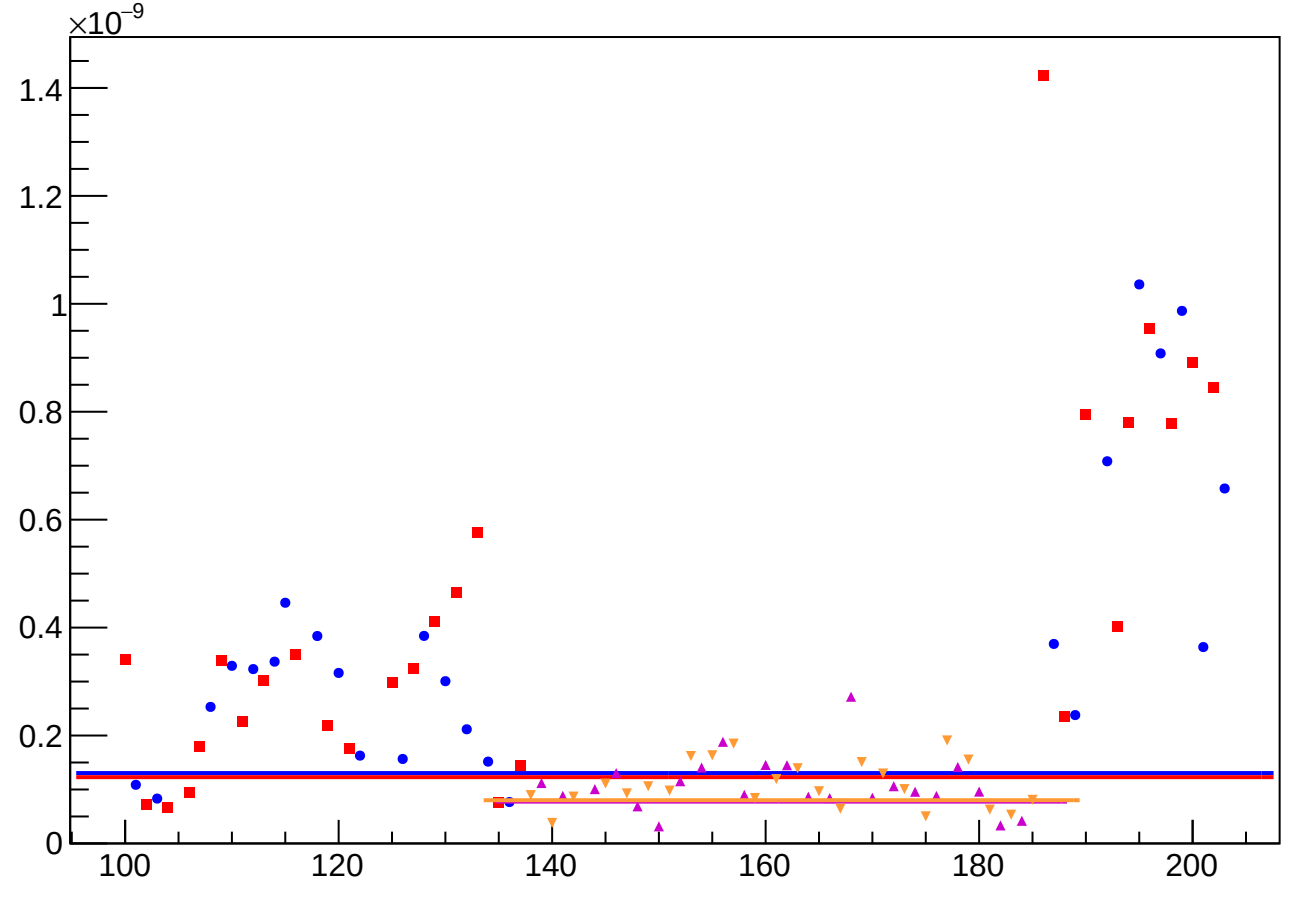
Right: 5769.816+/-0.828 χ^2/NDF: 5389547.6/50

In: 6194.169+/-0.805 χ^2/NDF:3479826.7/46

Out: 6135.156+/-0.792 χ^2/NDF:4324122.8/50

All: 6164.173+/-0.564 χ^2/NDF: 7806681.0/97


asym_us_avg_atlr_avg_avg_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
4
3
2
1
0
−1
−2
−3
−4
100
120
140
160
180
200
Right In: -0.000+/-0.000 χ²/NDF: 15.7/23
Left Out: 0.000+/-0.000 χ²/NDF:27.2/23
Right Out: 0.000+/-0.000 χ²/NDF: 22.1/26
Left In: -0.000+/-0.000 χ²/NDF:24.0/22
Left: -0.000+/-0.000 χ²/NDF: 51.3/46
Right: -0.000+/-0.000 χ²/NDF: 38.7/50
In: -0.000+/-0.000 χ²/NDF:40.7/46
Out: 0.000+/-0.000 χ²/NDF:49.2/50
All: -0.000+/-0.000 χ²/NDF: 90.5/97



Right In: 0.000+/-0.000 χ^2/NDF: 4632320.3/23

Left Out: 0.000+/-0.000 χ^2/NDF:2153227.2/23

Right Out: 0.000+/-0.000 χ^2/NDF: 5874234.2/26

Left In: 0.000+/-0.000 χ^2/NDF:2642331.8/22

Left: 0.000+/-0.000 χ^2/NDF: 4801129.7/46

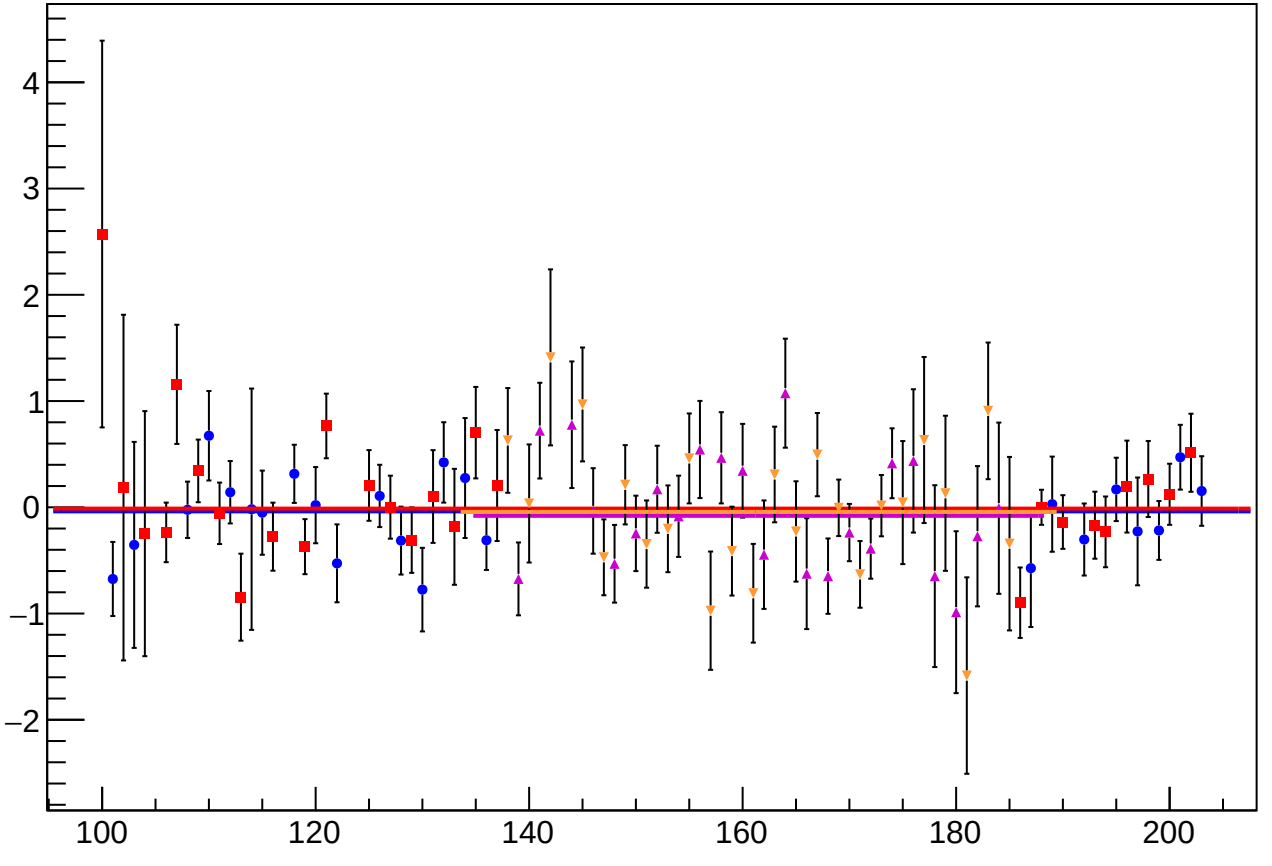
Right: 0.000+/-0.000 χ^2/NDF: 10516658.8/50

In: 0.000+/-0.000 χ^2/NDF:8078509.4/46

Out: 0.000+/-0.000 χ^2/NDF:8559669.8/50

All: 0.000+/-0.000 χ^2/NDF: 16639669.5/97

asym_us_avg_atlr_avg_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.038+/-0.072 χ^2/NDF: 23.1/23

Left Out: -0.043+/-0.090 χ^2/NDF:31.0/23

Right Out: -0.012+/-0.064 χ^2/NDF: 37.4/26

Left In: -0.080+/-0.088 χ^2/NDF:30.3/22

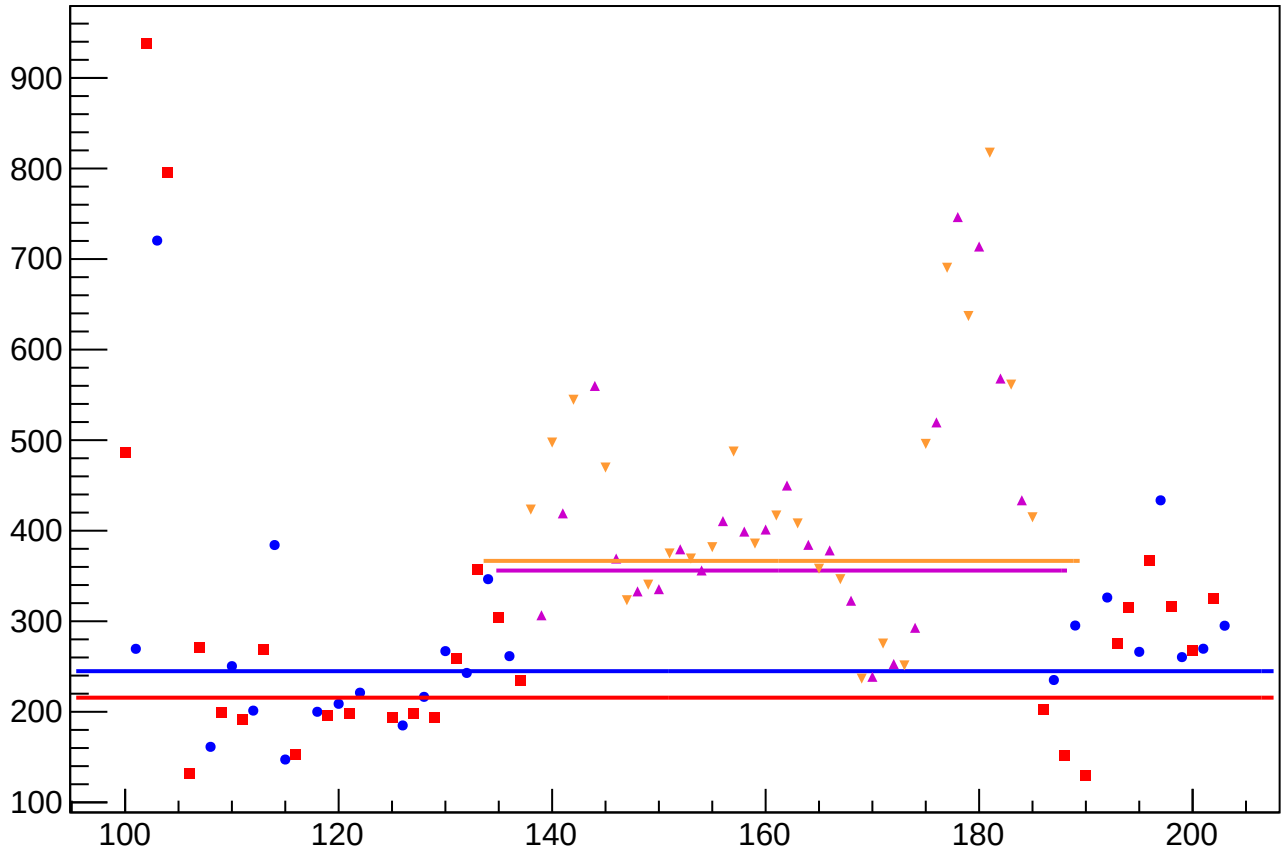
Left: -0.062+/-0.063 χ^2/NDF: 61.4/46

Right: -0.024+/-0.048 χ^2/NDF: 60.6/50

In: -0.055+/-0.056 χ^2/NDF:53.6/46

Out: -0.023+/-0.052 χ^2/NDF:68.5/50

All: -0.038+/-0.038 χ^2/NDF: 122.2/97



Right In: 244.877+/-0.051 χ^2/NDF: 1639968.0/23

Left Out: 366.670+/-0.064 χ^2/NDF:2841071.8/23

Right Out: 215.615+/-0.045 χ^2/NDF: 2987300.3/26

Left In: 355.992+/-0.062 χ^2/NDF:2420701.1/22

Left: 361.170+/-0.045 χ^2/NDF: 5276130.6/46

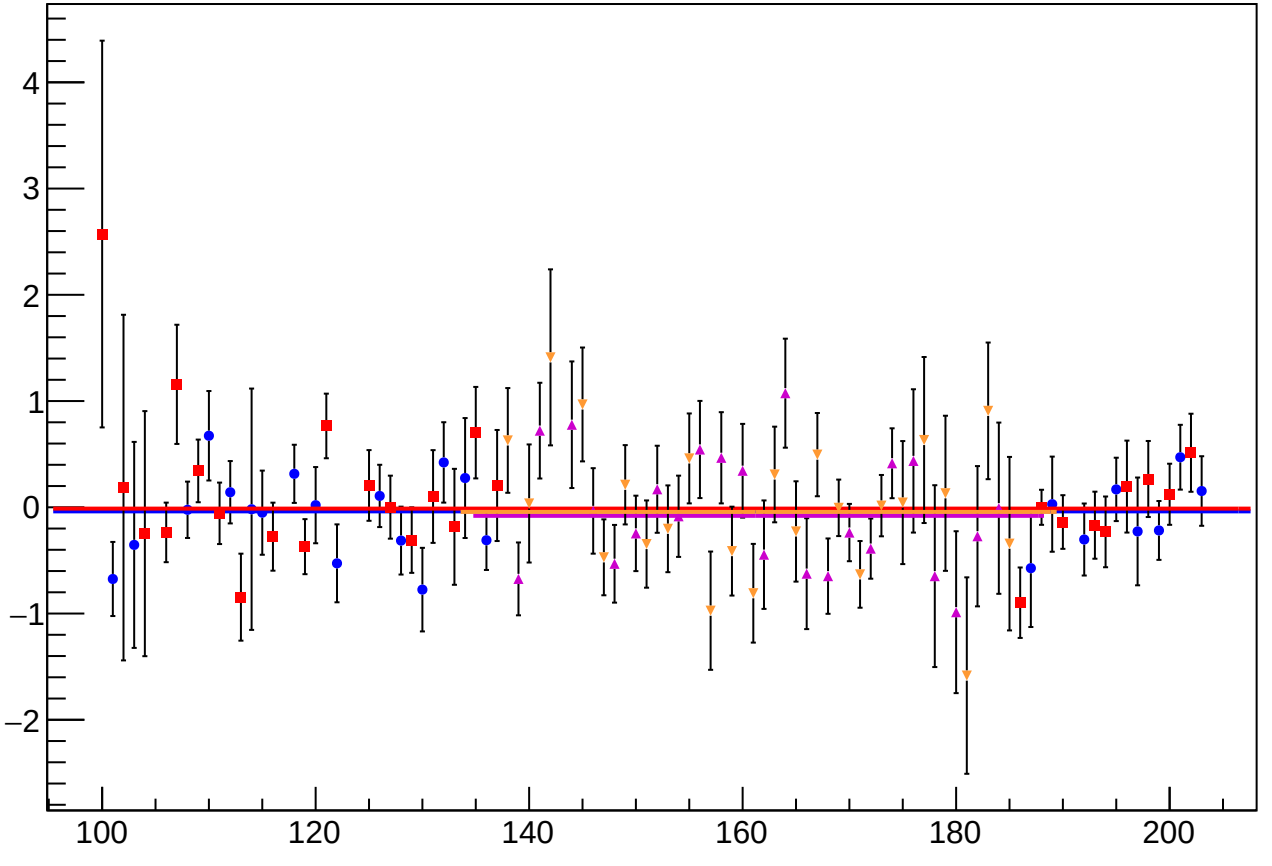
Right: 228.515+/-0.034 χ^2/NDF: 4811518.0/50

In: 289.641+/-0.039 χ^2/NDF:5974826.9/46

Out: 266.018+/-0.037 χ^2/NDF:9544701.0/50

All: 277.074+/-0.027 χ^2/NDF: 15710862.6/97

asym_us_avg_atlr_avg_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.038+/-0.072 χ^2/NDF: 23.1/23

Left Out: -0.043+/-0.090 χ^2/NDF:31.0/23

Right Out: -0.012+/-0.064 χ^2/NDF: 37.4/26

Left In: -0.080+/-0.088 χ^2/NDF:30.3/22

Left: -0.062+/-0.063 χ^2/NDF: 61.4/46

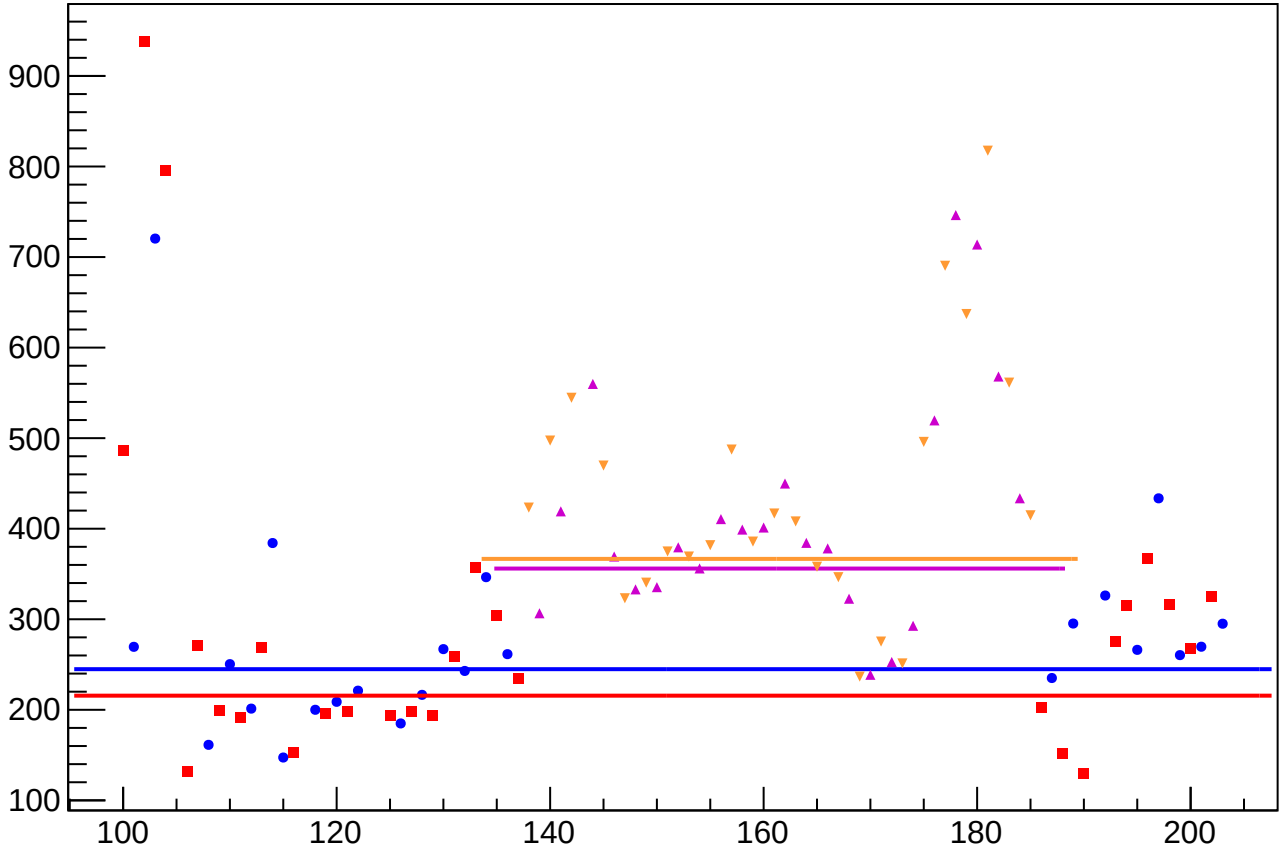
Right: -0.024+/-0.048 χ^2/NDF: 60.6/50

In: -0.055+/-0.056 χ^2/NDF:53.6/46

Out: -0.023+/-0.052 χ^2/NDF:68.5/50

All: -0.038+/-0.038 χ^2/NDF: 122.2/97

asym_us_avg_atlr_avg_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 244.877+/-0.051 χ^2/NDF: 1639968.0/23

Left Out: 366.670+/-0.064 χ^2/NDF:2841071.8/23

Right Out: 215.615+/-0.045 χ^2/NDF: 2987300.3/26

Left In: 355.992+/-0.062 χ^2/NDF:2420701.1/22

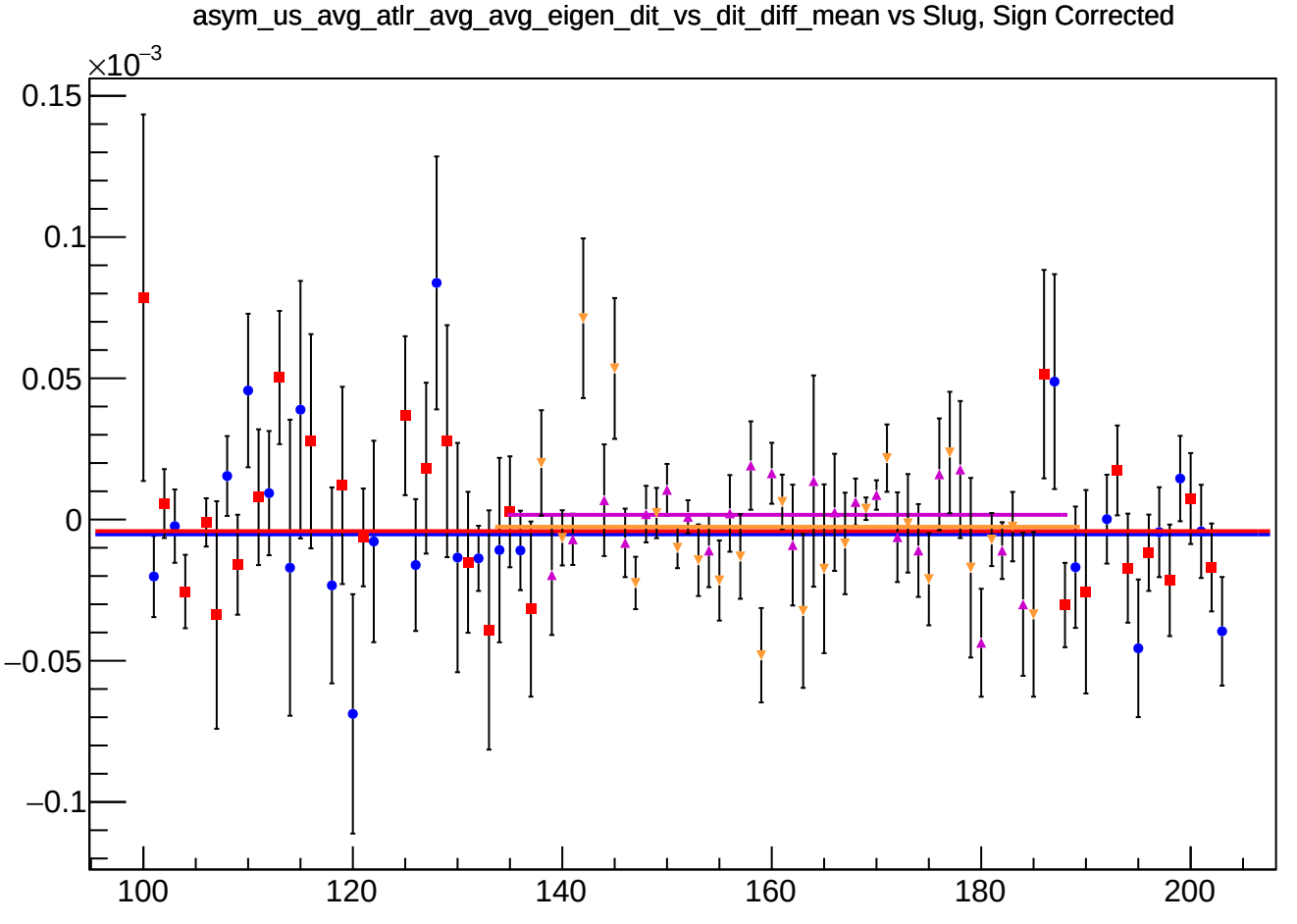
Left: 361.170+/-0.045 χ^2/NDF: 5276130.6/46

Right: 228.515+/-0.034 χ^2/NDF: 4811518.0/50

In: 289.641+/-0.039 χ^2/NDF:5974826.9/46

Out: 266.018+/-0.037 χ^2/NDF:9544701.0/50

All: 277.074+/-0.027 χ^2/NDF: 15710862.6/97



Right In: -0.000+/-0.000 χ^2/NDF: 25.7/23

Left Out: -0.000+/-0.000 χ^2/NDF:43.5/23

Right Out: -0.000+/-0.000 χ^2/NDF: 27.9/26

Left In: 0.000+/-0.000 χ^2/NDF:20.7/22

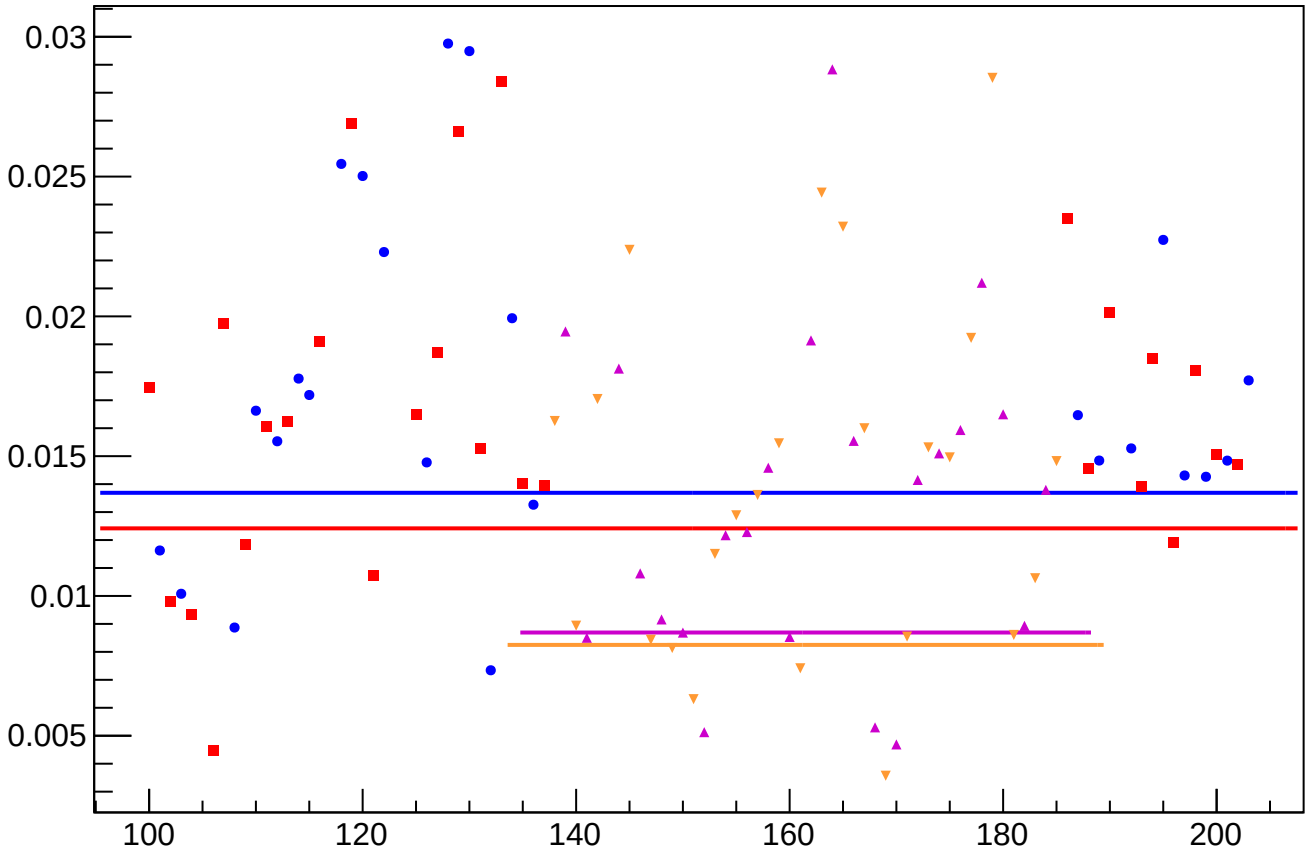
Left: -0.000+/-0.000 χ^2/NDF: 65.9/46

Right: -0.000+/-0.000 χ^2/NDF: 53.7/50

In: -0.000+/-0.000 χ^2/NDF:48.6/46

Out: -0.000+/-0.000 χ^2/NDF:71.5/50

All: -0.000+/-0.000 χ^2/NDF: 121.3/97



Right In: 0.014+/-0.000 χ^2/NDF: 2640642.4/23

Left Out: 0.008+/-0.000 χ^2/NDF:8879581.2/23

Right Out: 0.012+/-0.000 χ^2/NDF: 4031069.9/26

Left In: 0.009+/-0.000 χ^2/NDF:6875072.4/22

Left: 0.008+/-0.000 χ^2/NDF: 15791427.0/46

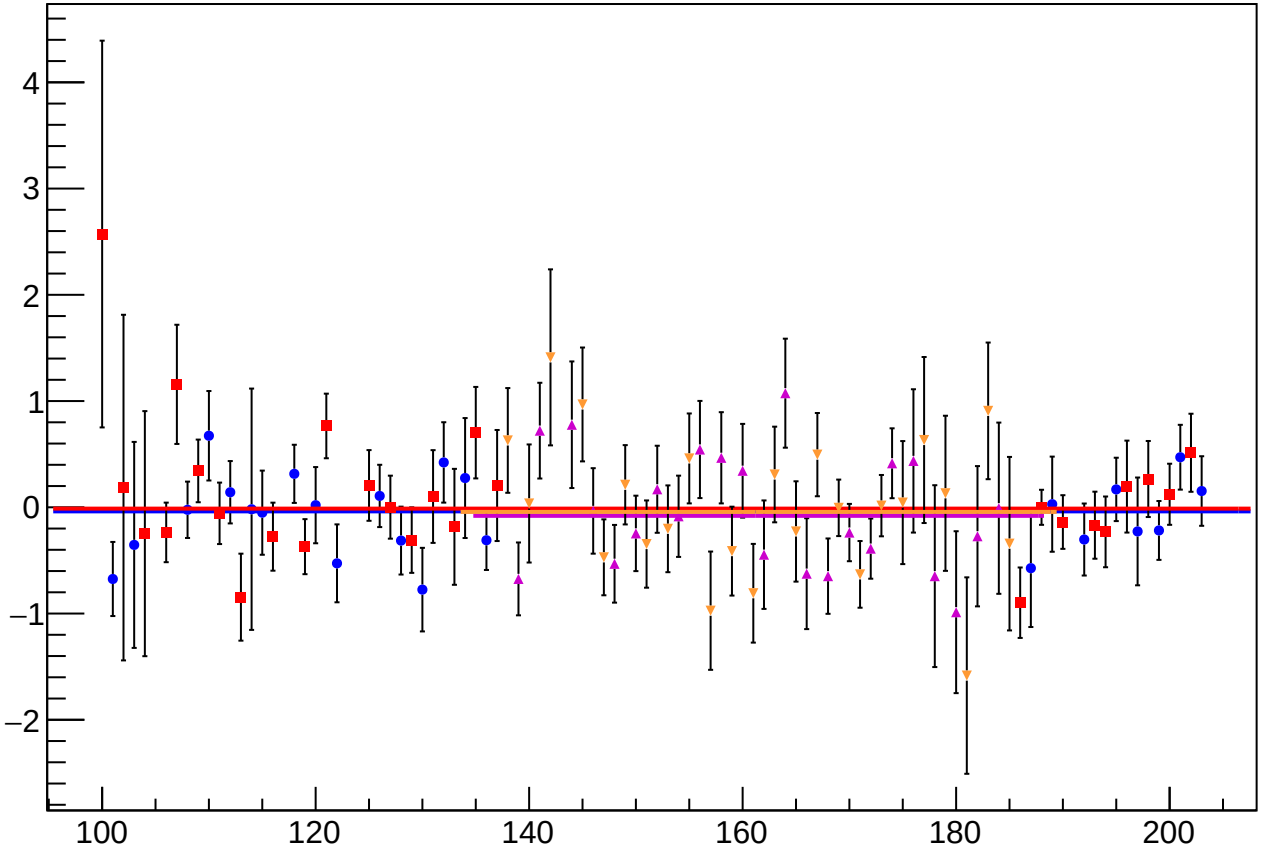
Right: 0.013+/-0.000 χ^2/NDF: 6782269.6/50

In: 0.010+/-0.000 χ^2/NDF:11820122.6/46

Out: 0.009+/-0.000 χ^2/NDF:14813677.8/50

All: 0.010+/-0.000 χ^2/NDF: 26710107.1/97

asym_us_avg_atlr_avg_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.038+/-0.072 χ^2/NDF: 23.1/23

Left Out: -0.043+/-0.090 χ^2/NDF:31.0/23

Right Out: -0.012+/-0.064 χ^2/NDF: 37.4/26

Left In: -0.080+/-0.088 χ^2/NDF:30.3/22

Left: -0.062+/-0.063 χ^2/NDF: 61.4/46

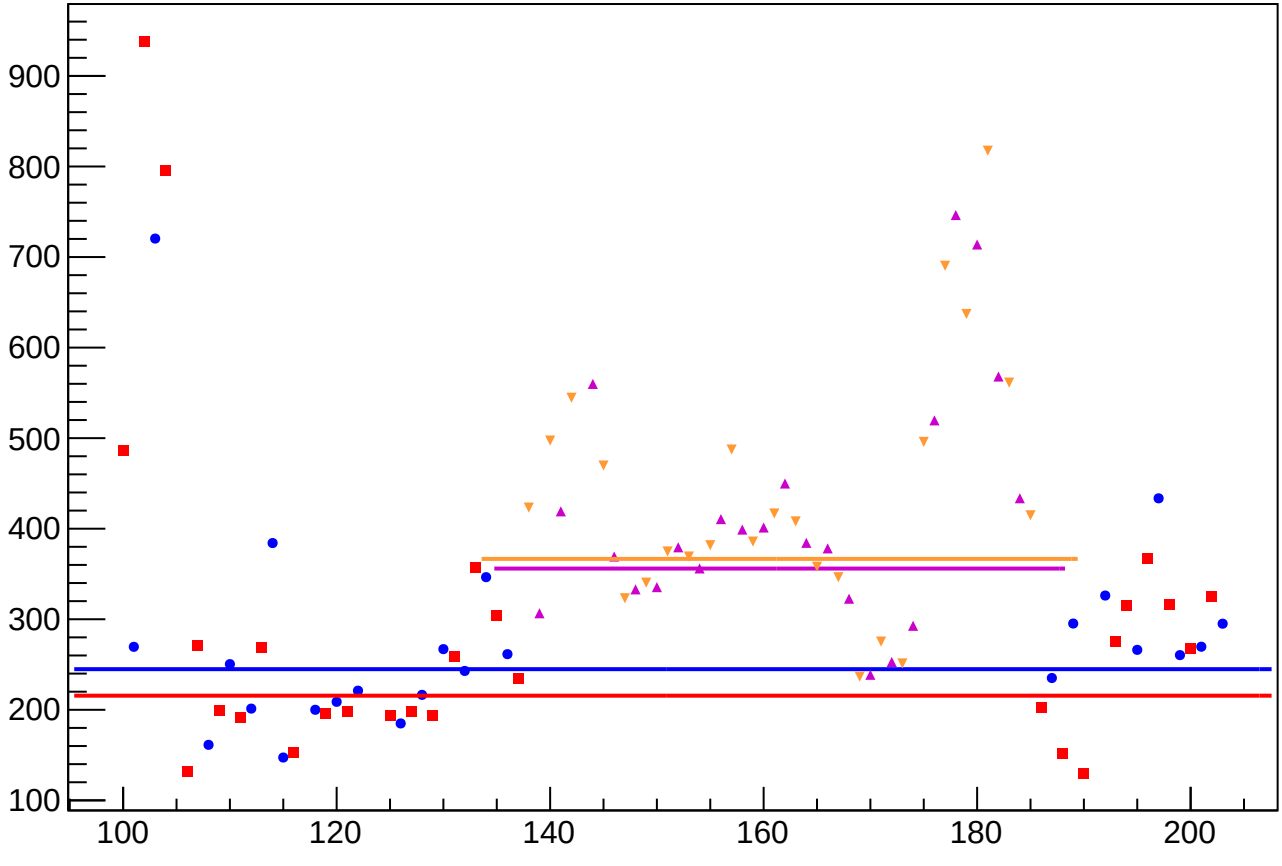
Right: -0.024+/-0.048 χ^2/NDF: 60.6/50

In: -0.055+/-0.056 χ^2/NDF:53.6/46

Out: -0.023+/-0.052 χ^2/NDF:68.5/50

All: -0.038+/-0.038 χ^2/NDF: 122.2/97

asym_us_avg_atlr_avg_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 244.876+/-0.051 χ^2/NDF: 1639977.8/23

Left Out: 366.671+/-0.064 χ^2/NDF:2841292.6/23

Right Out: 215.612+/-0.045 χ^2/NDF: 2987352.3/26

Left In: 355.993+/-0.062 χ^2/NDF:2420863.3/22

Left: 361.171+/-0.045 χ^2/NDF: 5276510.3/46

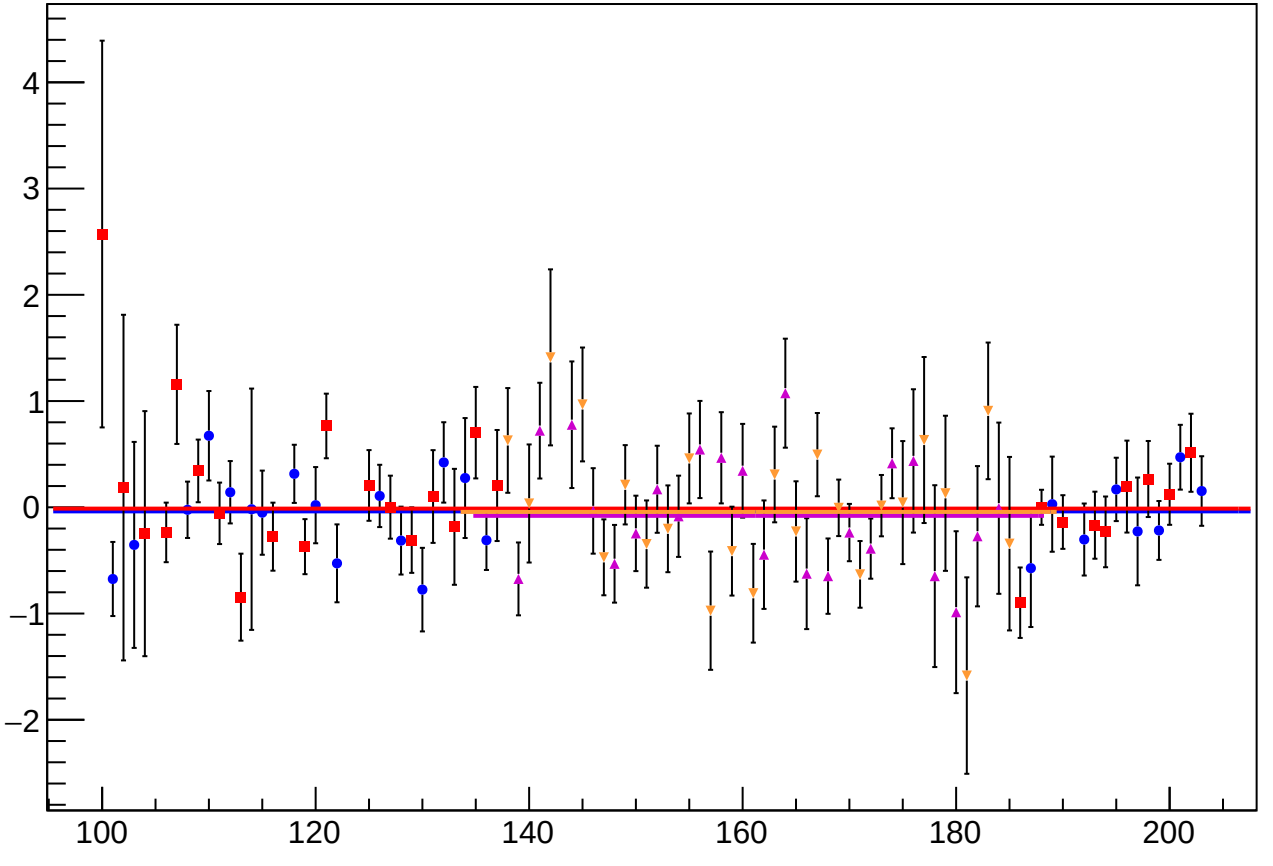
Right: 228.512+/-0.034 χ^2/NDF: 4811608.6/50

In: 289.641+/-0.039 χ^2/NDF:5975078.4/46

Out: 266.015+/-0.037 χ^2/NDF:9545154.0/50

All: 277.072+/-0.027 χ^2/NDF: 15711607.9/97

asym_us_avg_atlr_avg_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.038+/-0.072 χ^2/NDF: 23.1/23

Left Out: -0.043+/-0.090 χ^2/NDF:31.0/23

Right Out: -0.012+/-0.064 χ^2/NDF: 37.4/26

Left In: -0.080+/-0.088 χ^2/NDF:30.3/22

Left: -0.062+/-0.063 χ^2/NDF: 61.4/46

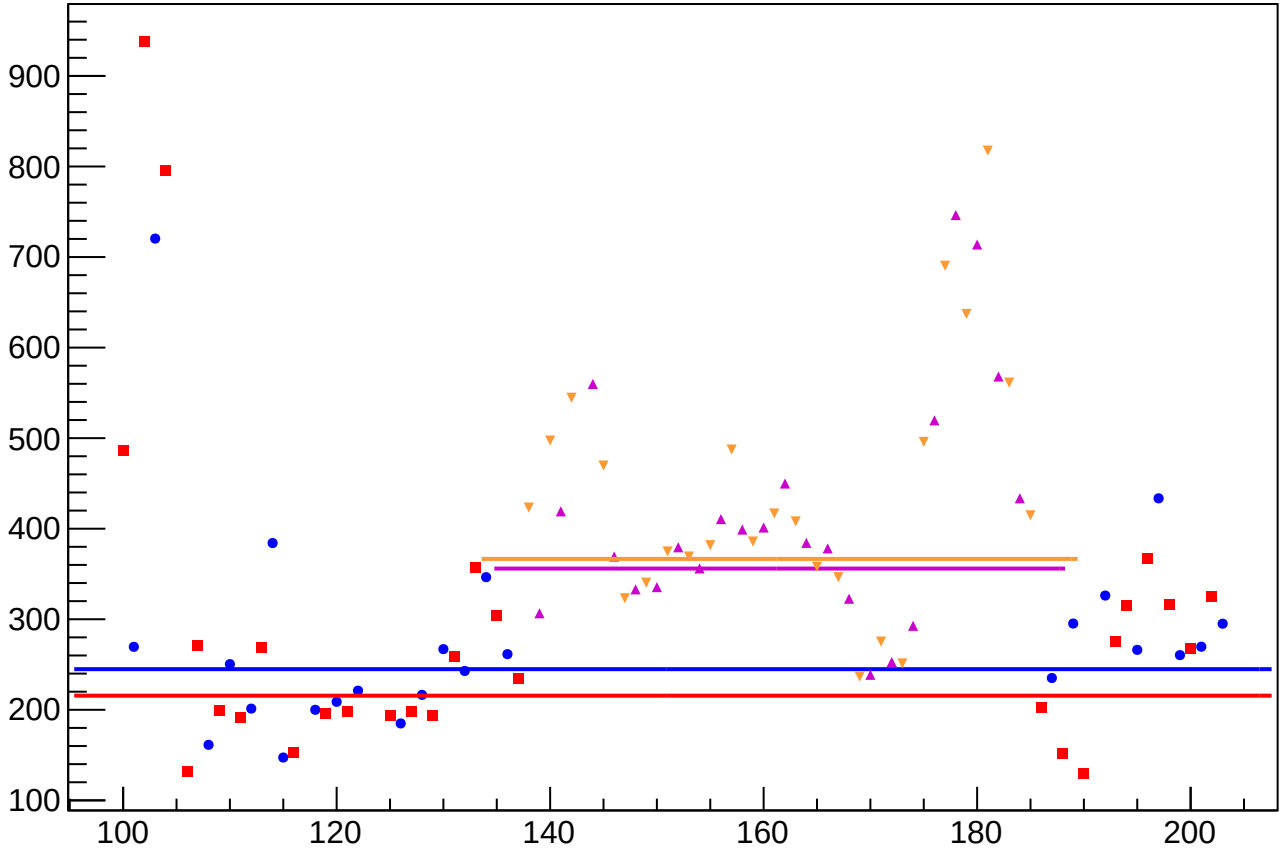
Right: -0.024+/-0.048 χ^2/NDF: 60.6/50

In: -0.055+/-0.056 χ^2/NDF:53.6/46

Out: -0.023+/-0.052 χ^2/NDF:68.5/50

All: -0.038+/-0.038 χ^2/NDF: 122.2/97

asym_us_avg_atlr_avg_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 244.876+/-0.051 χ^2/NDF: 1639977.8/23

Left Out: 366.671+/-0.064 χ^2/NDF:2841292.6/23

Right Out: 215.612+/-0.045 χ^2/NDF: 2987352.3/26

Left In: 355.993+/-0.062 χ^2/NDF:2420863.3/22

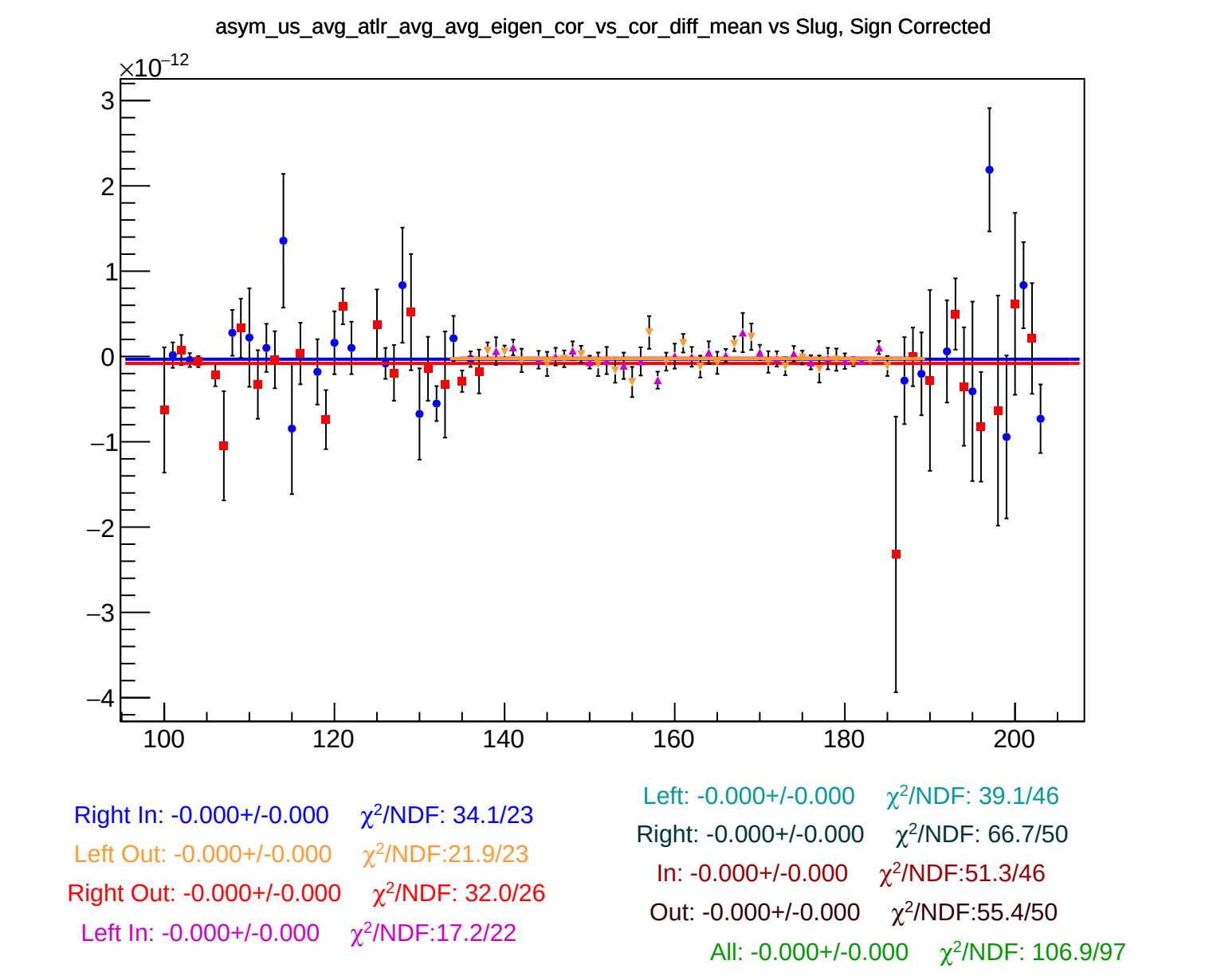
Left: 361.171+/-0.045 χ^2/NDF: 5276510.3/46

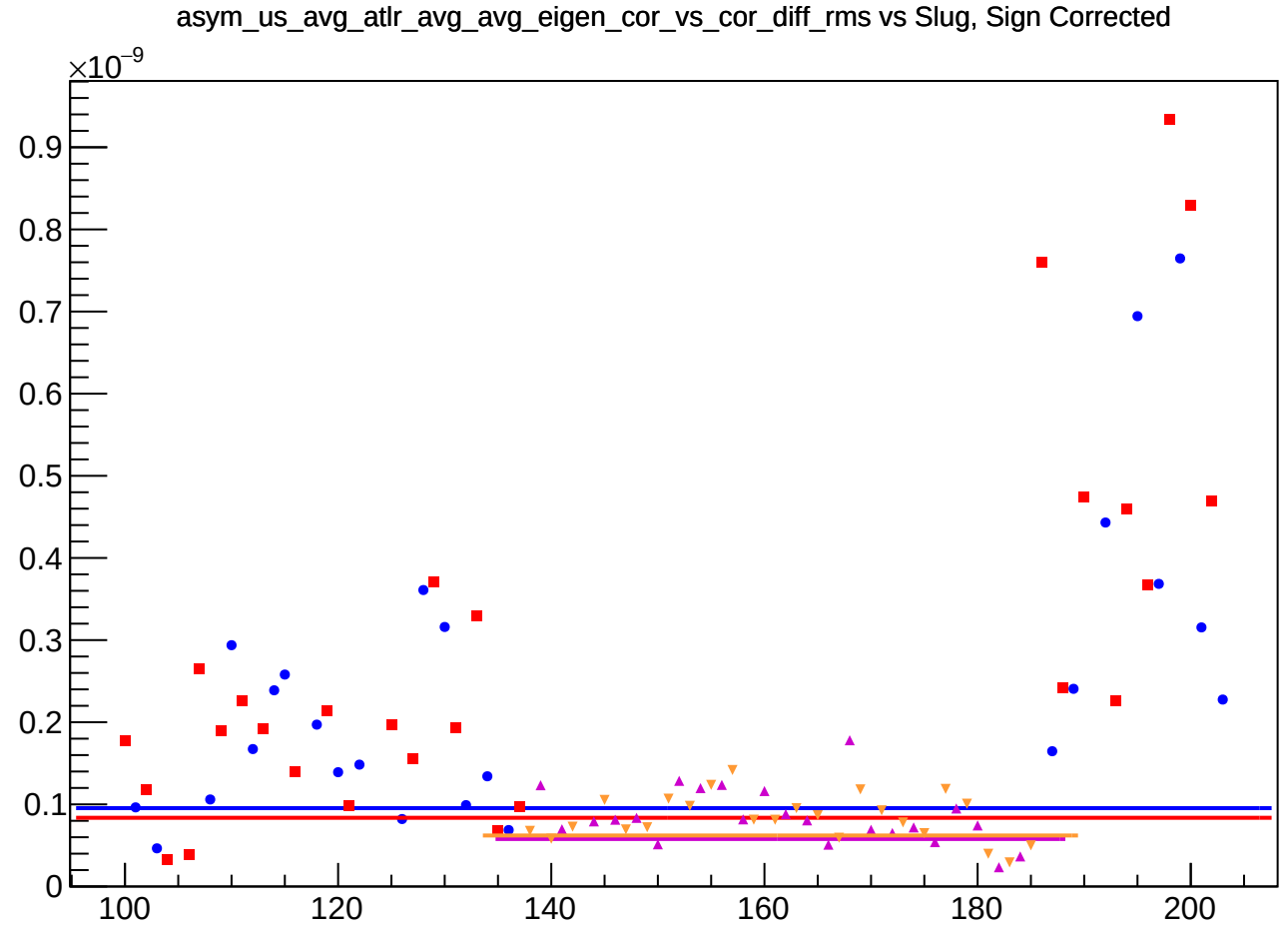
Right: 228.512+/-0.034 χ^2/NDF: 4811608.6/50

In: 289.641+/-0.039 χ^2/NDF:5975078.4/46

Out: 266.015+/-0.037 χ^2/NDF:9545154.0/50

All: 277.072+/-0.027 χ^2/NDF: 15711607.9/97


asym_us_avg_atlr_avg_avg_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
3
2
1
0
−1
−2
−3
−4
100
120
140
160
180
200
Right In: -0.000+/-0.000 χ²/NDF: 34.1/23
Left Out: -0.000+/-0.000 χ²/NDF:21.9/23
Right Out: -0.000+/-0.000 χ²/NDF: 32.0/26
Left In: -0.000+/-0.000 χ²/NDF:17.2/22
Left: -0.000+/-0.000 χ²/NDF: 39.1/46
Right: -0.000+/-0.000 χ²/NDF: 66.7/50
In: -0.000+/-0.000 χ²/NDF:51.3/46
Out: -0.000+/-0.000 χ²/NDF:55.4/50
All: -0.000+/-0.000 χ²/NDF: 106.9/97



Right In: 0.000+/-0.000 χ^2/NDF: 5760587.8/23

Left Out: 0.000+/-0.000 χ^2/NDF:4100152.8/23

Right Out: 0.000+/-0.000 χ^2/NDF: 8627581.7/26

Left In: 0.000+/-0.000 χ^2/NDF:5512617.8/22

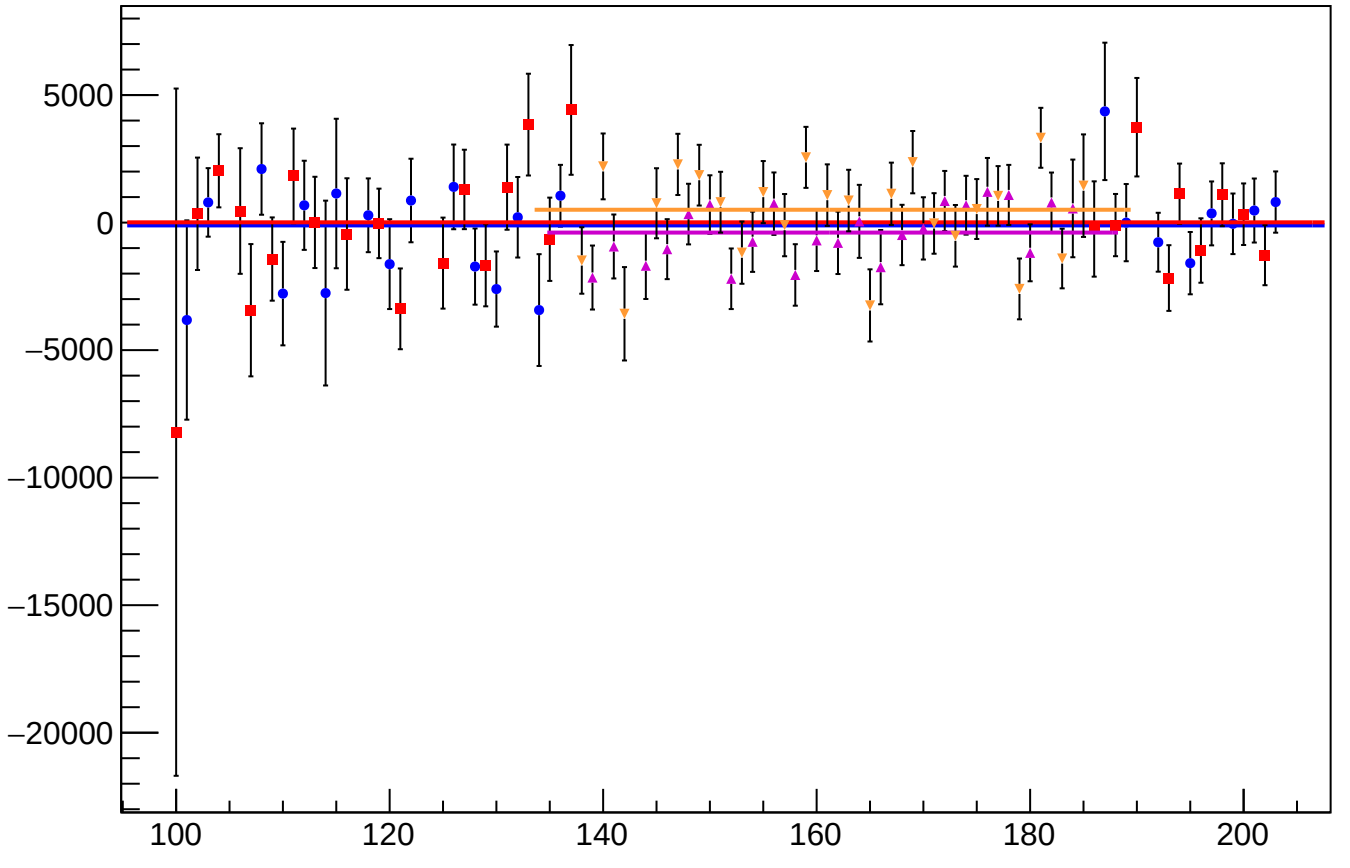
Left: 0.000+/-0.000 χ^2/NDF: 9664055.9/46

Right: 0.000+/-0.000 χ^2/NDF: 14457439.3/50

In: 0.000+/-0.000 χ^2/NDF:12428215.3/46

Out: 0.000+/-0.000 χ^2/NDF:13141476.1/50

All: 0.000+/-0.000 χ^2/NDF: 25592234.0/97



Right In: -110.857+/-314.680 χ^2/NDF: 20.3/23

Left Out: 503.606+/-255.531 χ^2/NDF:44.6/23

Right Out: 10.559+/-306.789 χ^2/NDF: 31.0/26

Left In: -391.701+/-257.386 χ^2/NDF:17.8/22

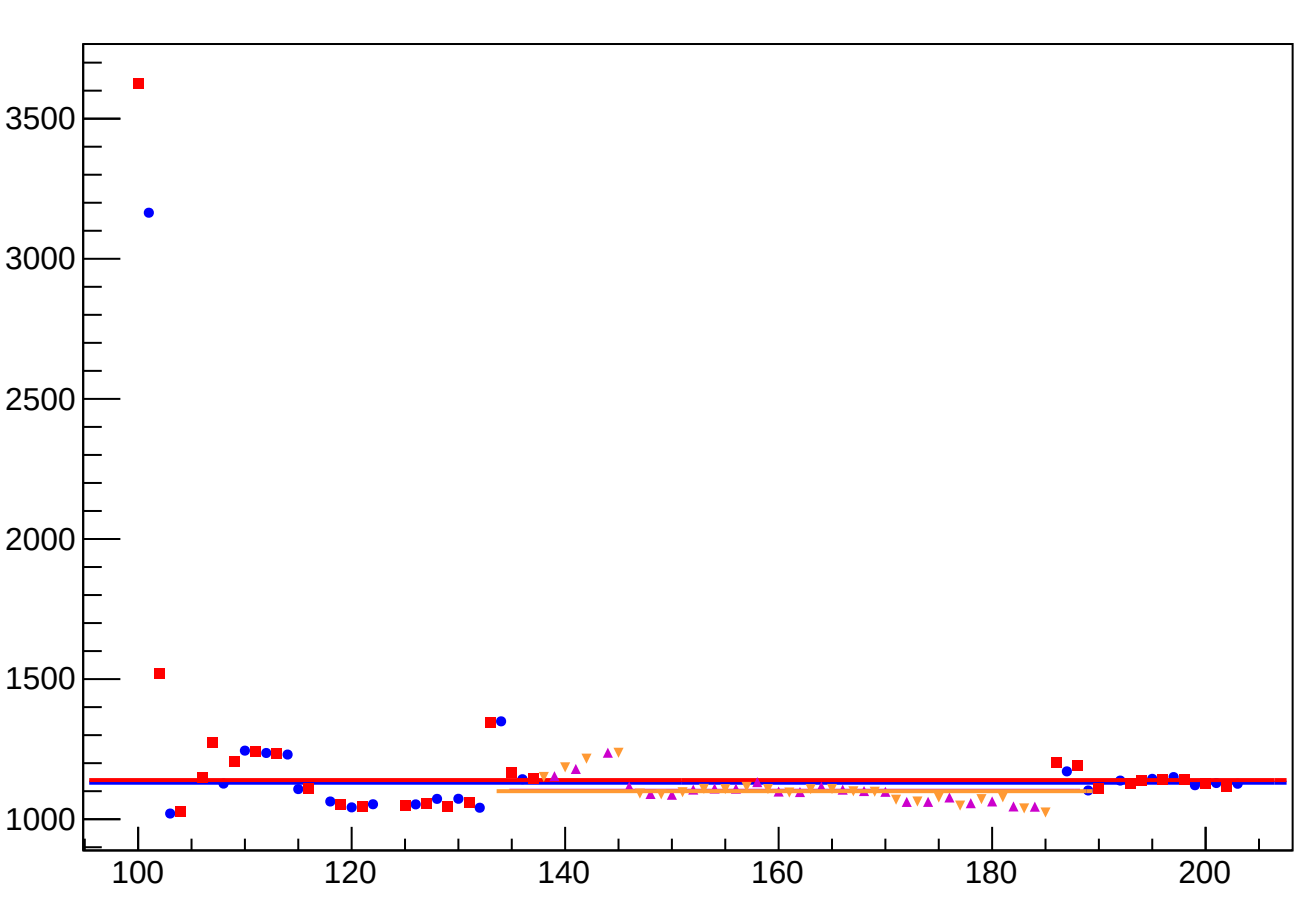
Left: 59.191+/-181.340 χ^2/NDF: 68.5/46

Right: -48.608+/-219.669 χ^2/NDF: 51.4/50

In: -279.127+/-199.230 χ^2/NDF:38.6/46

Out: 301.656+/-196.344 χ^2/NDF:77.1/50

All: 15.502+/-139.846 χ^2/NDF: 120.0/97



Right In: 1130.185+/-0.223 χ^2/NDF: 623558.1/23

Left Out: 1100.063+/-0.181 χ^2/NDF:58733.9/23

Right Out: 1139.636+/-0.217 χ^2/NDF: 227817.0/26

Left In: 1101.530+/-0.182 χ^2/NDF:52145.9/22

Left: 1100.791+/-0.128 χ^2/NDF: 110912.5/46

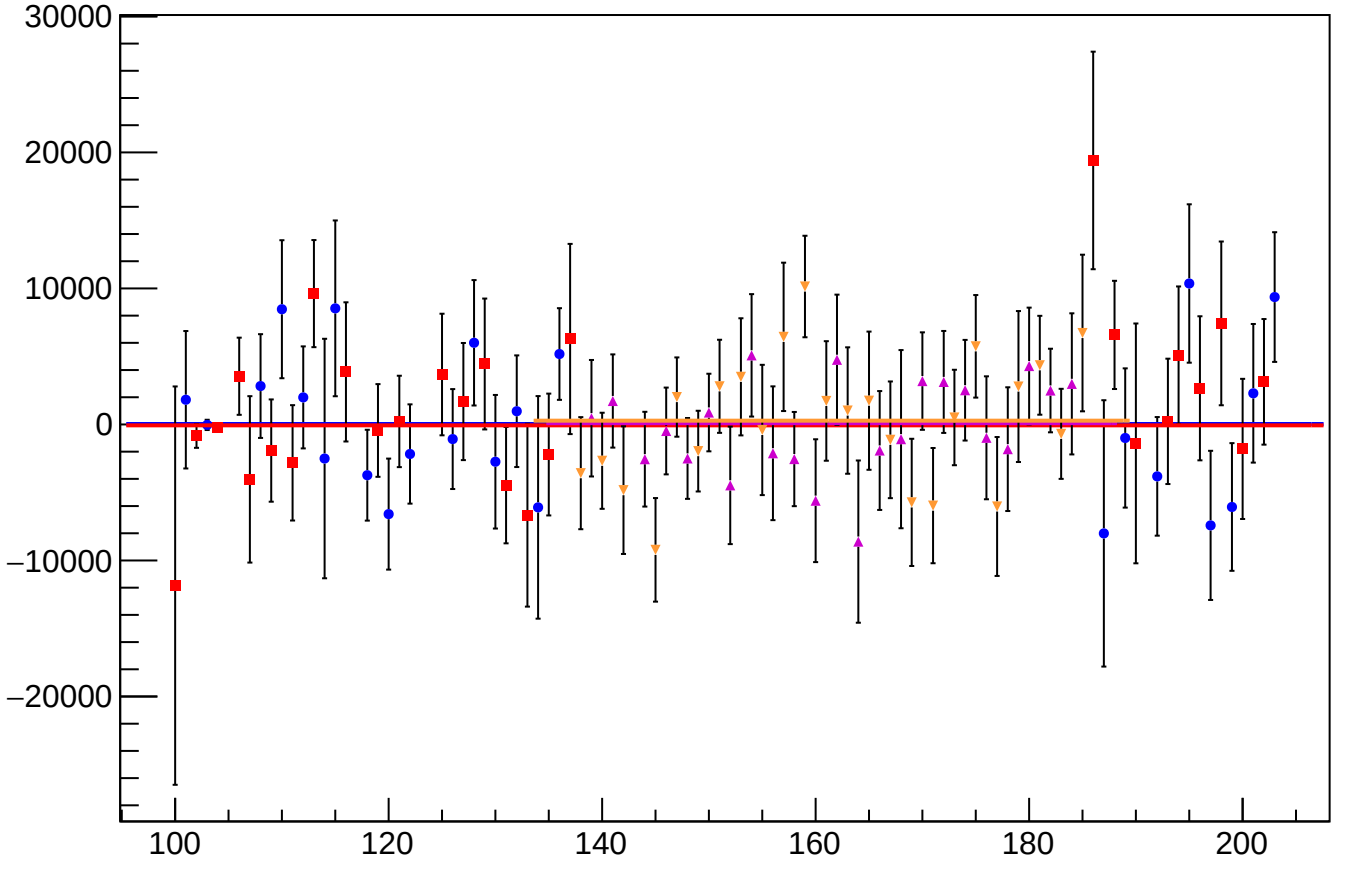
Right: 1135.035+/-0.155 χ^2/NDF: 852300.7/50

In: 1113.016+/-0.141 χ^2/NDF:685641.2/46

Out: 1116.290+/-0.139 χ^2/NDF:306218.8/50

All: 1114.677+/-0.099 χ^2/NDF: 992134.0/97

asym_us_avg_atlr_avg_dd_reg_correction_mean vs Slug, Sign Corrected



Right In: 32.162+/-351.156 χ^2/NDF: 27.1/23

Left Out: 277.507+/-820.501 χ^2/NDF:29.9/23

Right Out: -65.289+/-317.217 χ^2/NDF: 28.0/26

Left In: 94.734+/-817.223 χ^2/NDF:13.7/22

Left: 185.755+/-579.019 χ^2/NDF: 43.6/46

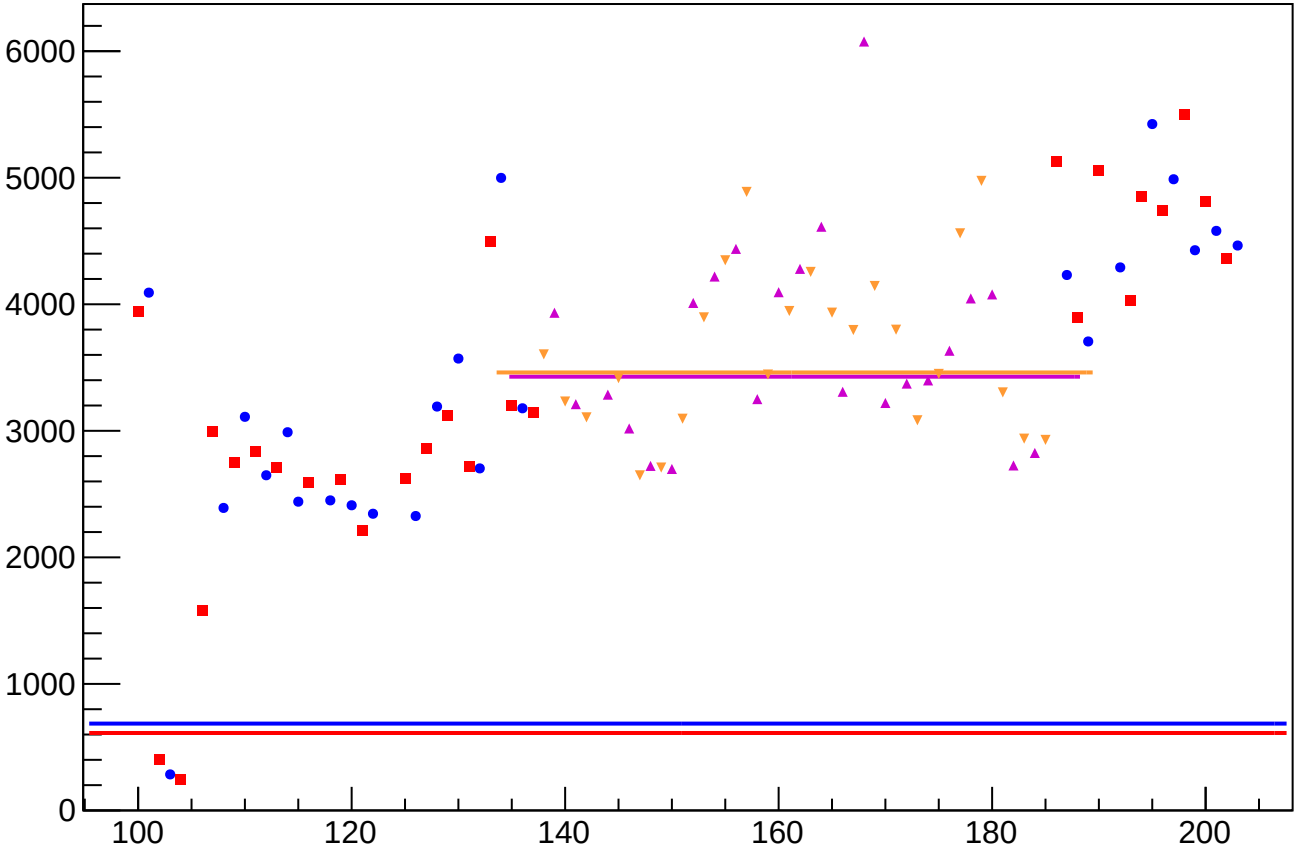
Right: -21.499+/-235.393 χ^2/NDF: 55.1/50

In: 41.915+/-322.632 χ^2/NDF:40.7/46

Out: -20.714+/-295.874 χ^2/NDF:58.0/50

All: 7.896+/-218.062 χ^2/NDF: 98.8/97

asym_us_avg_atlr_avg_dd_reg_correction_rms vs Slug, Sign Corrected



Right In: 686.413+/-0.248 χ^2/NDF: 18573673.5/23

Left Out: 3461.259+/-0.580 χ^2/NDF:1058687.1/23

Right Out: 612.159+/-0.224 χ^2/NDF: 19716335.6/26

Left In: 3427.860+/-0.578 χ^2/NDF:1243133.8/22

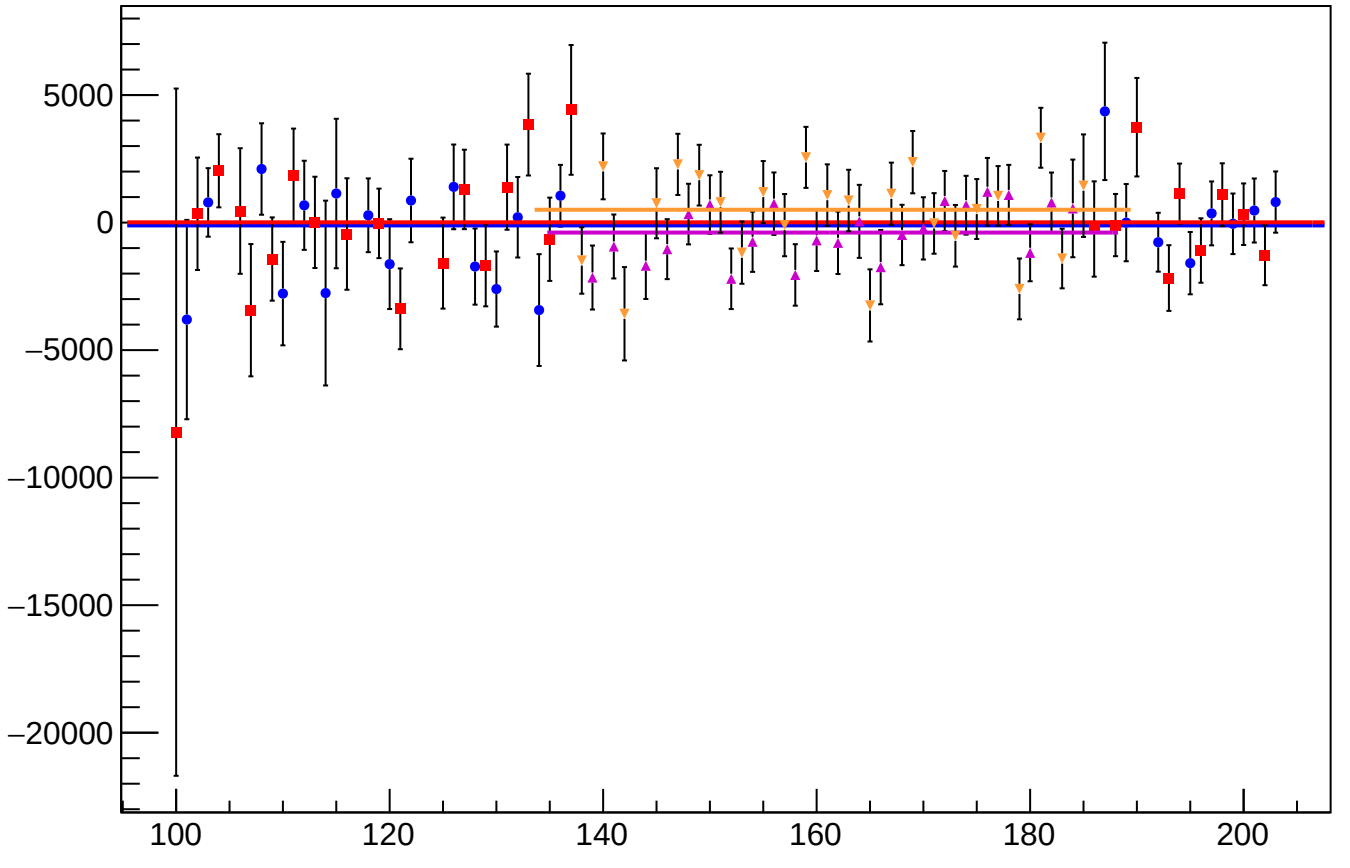
Left: 3444.493+/-0.409 χ^2/NDF: 2303484.4/46

Right: 645.525+/-0.166 χ^2/NDF: 38339251.8/50

In: 1113.695+/-0.228 χ^2/NDF:38815477.6/46

Out: 982.638+/-0.209 χ^2/NDF:41754241.5/50

All: 1042.507+/-0.154 χ^2/NDF: 80748976.2/9



Right In: -110.799+/-314.680 χ^2/NDF: 20.3/23

Left Out: 503.679+/-255.531 χ^2/NDF:44.6/23

Right Out: 10.628+/-306.789 χ^2/NDF: 31.0/26

Left In: -391.689+/-257.386 χ^2/NDF:17.8/22

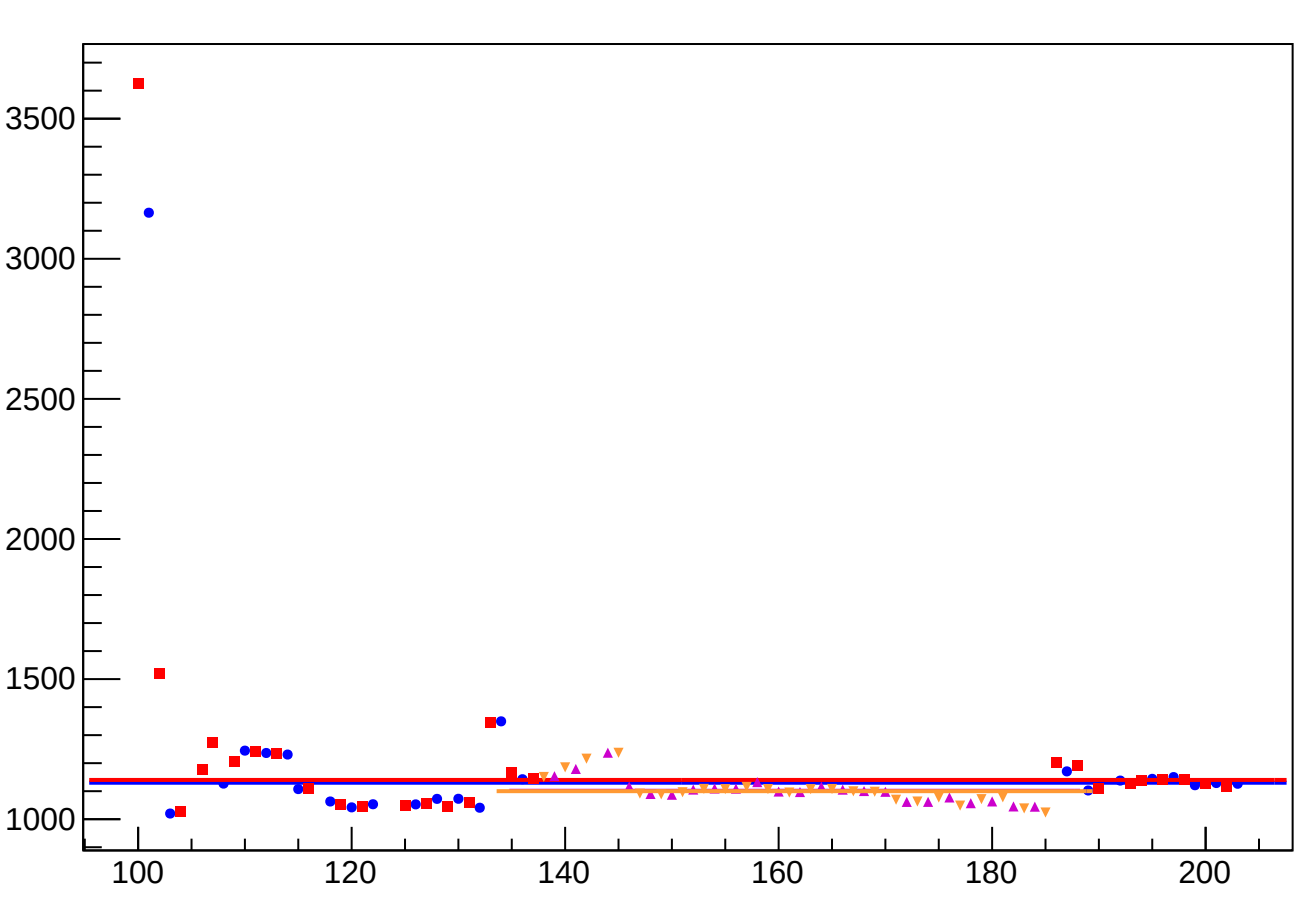
Left: 59.234+/-181.340 χ^2/NDF: 68.5/46

Right: -48.544+/-219.669 χ^2/NDF: 51.4/50

In: -279.096+/-199.230 χ^2/NDF:38.6/46

Out: 301.728+/-196.344 χ^2/NDF:77.1/50

All: 15.554+/-139.846 χ^2/NDF: 120.0/97



Right In: 1130.185+/-0.223 χ^2/NDF: 623559.3/23

Left Out: 1100.063+/-0.181 χ^2/NDF:58733.9/23

Right Out: 1140.126+/-0.217 χ^2/NDF: 228306.3/26

Left In: 1101.530+/-0.182 χ^2/NDF:52145.9/22

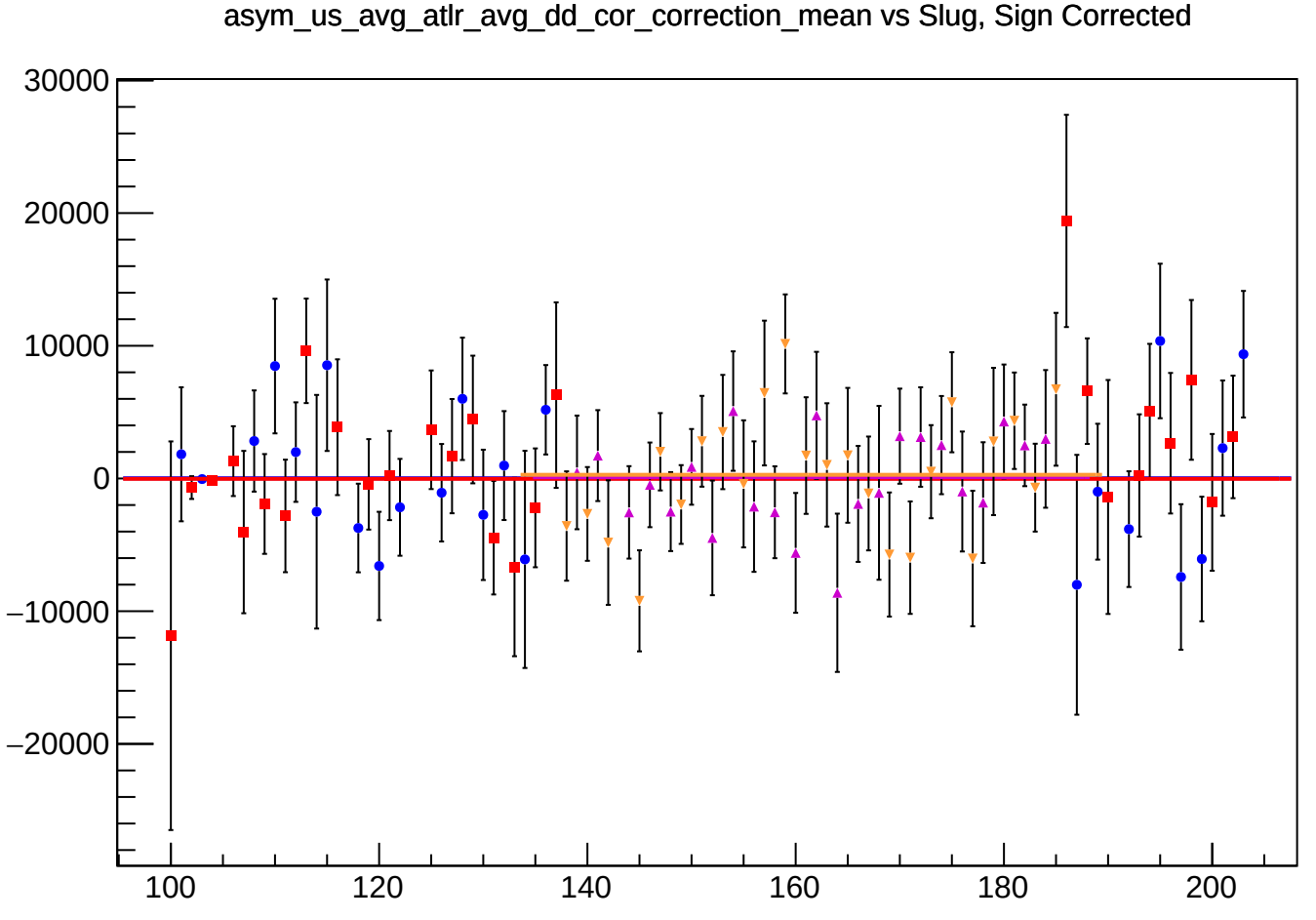
Left: 1100.791+/-0.128 χ^2/NDF: 110912.5/46

Right: 1135.283+/-0.155 χ^2/NDF: 852889.0/50

In: 1113.016+/-0.141 χ^2/NDF:685642.2/46

Out: 1116.478+/-0.139 χ^2/NDF:307182.6/50

All: 1114.773+/-0.099 χ^2/NDF: 993131.2/97



Right In: 16.491+/-338.708 χ^2/NDF: 27.1/23

Left Out: 277.536+/-820.502 χ^2/NDF:29.9/23

Right Out: -25.525+/-312.287 χ^2/NDF: 26.2/26

Left In: 94.742+/-817.222 χ^2/NDF:13.7/22

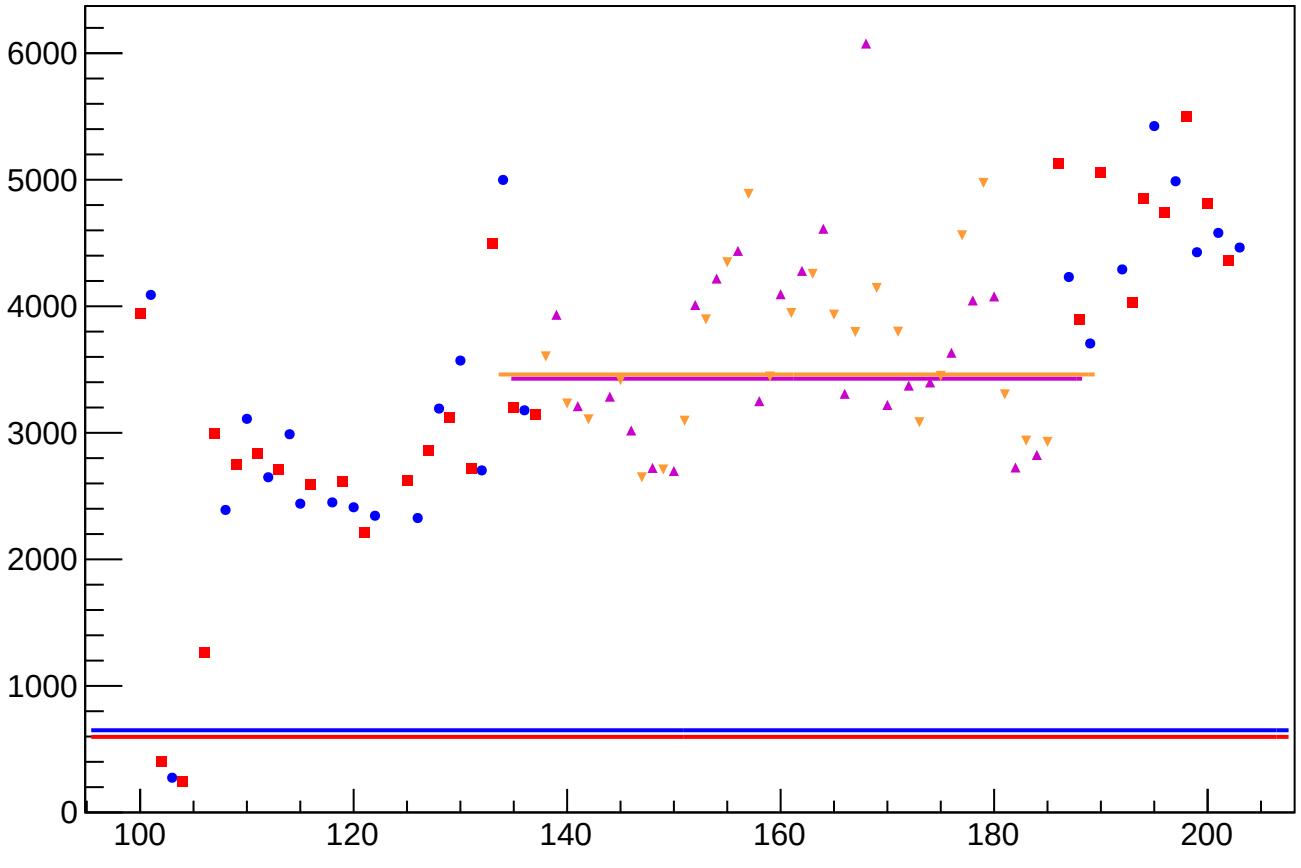
Left: 185.773+/-579.019 χ^2/NDF: 43.6/46

Right: -6.219+/-229.594 χ^2/NDF: 53.3/50

In: 27.962+/-312.898 χ^2/NDF:40.7/46

Out: 12.822+/-291.862 χ^2/NDF:56.2/50

All: 19.866+/-213.427 χ^2/NDF: 97.0/97



Right In: 649.419+/-0.240 χ^2/NDF: 18873517.5/23

Left Out: 3461.261+/-0.580 χ^2/NDF:1058691.8/23

Right Out: 597.224+/-0.221 χ^2/NDF: 19707736.9/26

Left In: 3427.857+/-0.578 χ^2/NDF:1243147.4/22

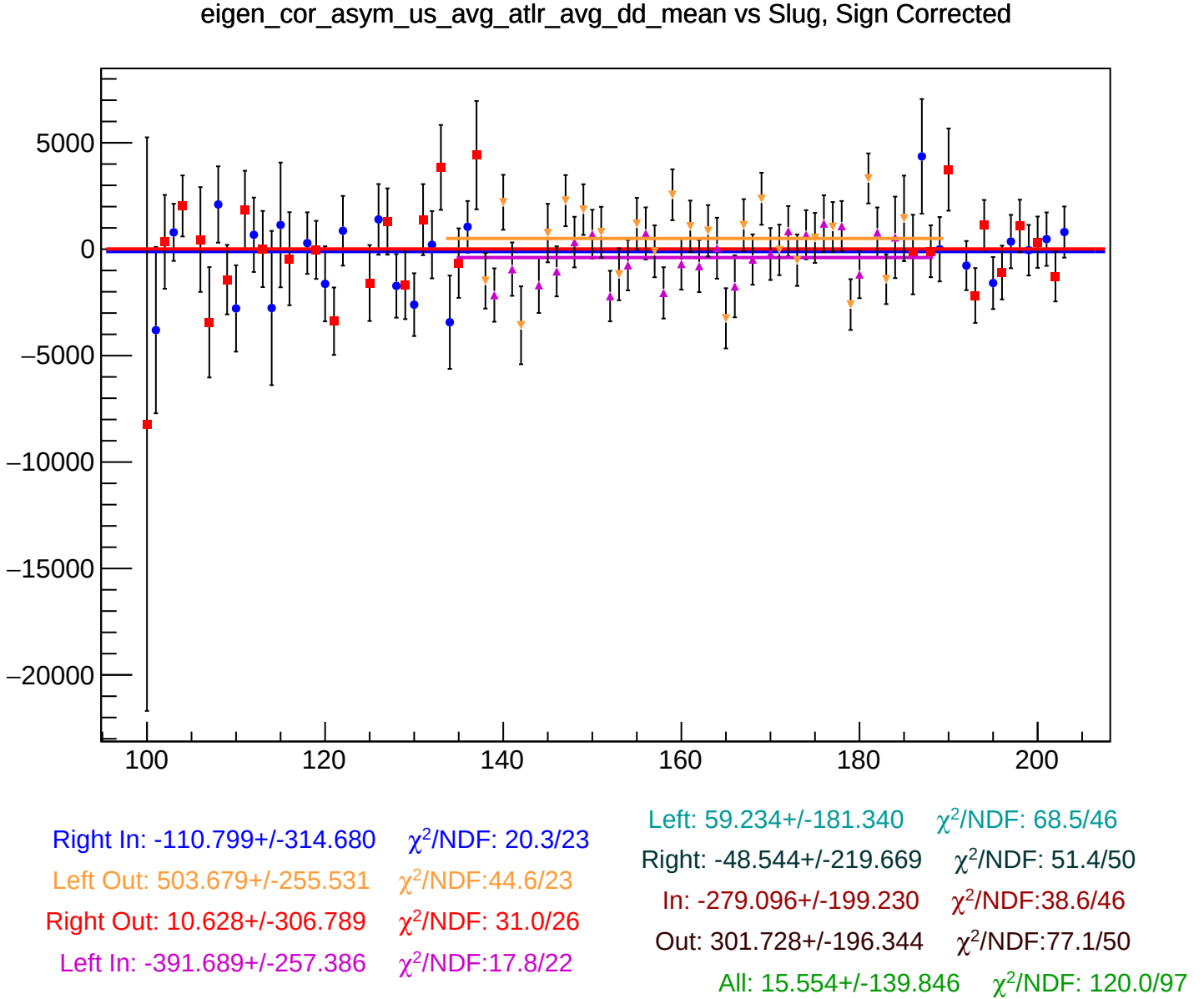
Left: 3444.492+/-0.409 χ^2/NDF: 2303503.3/46

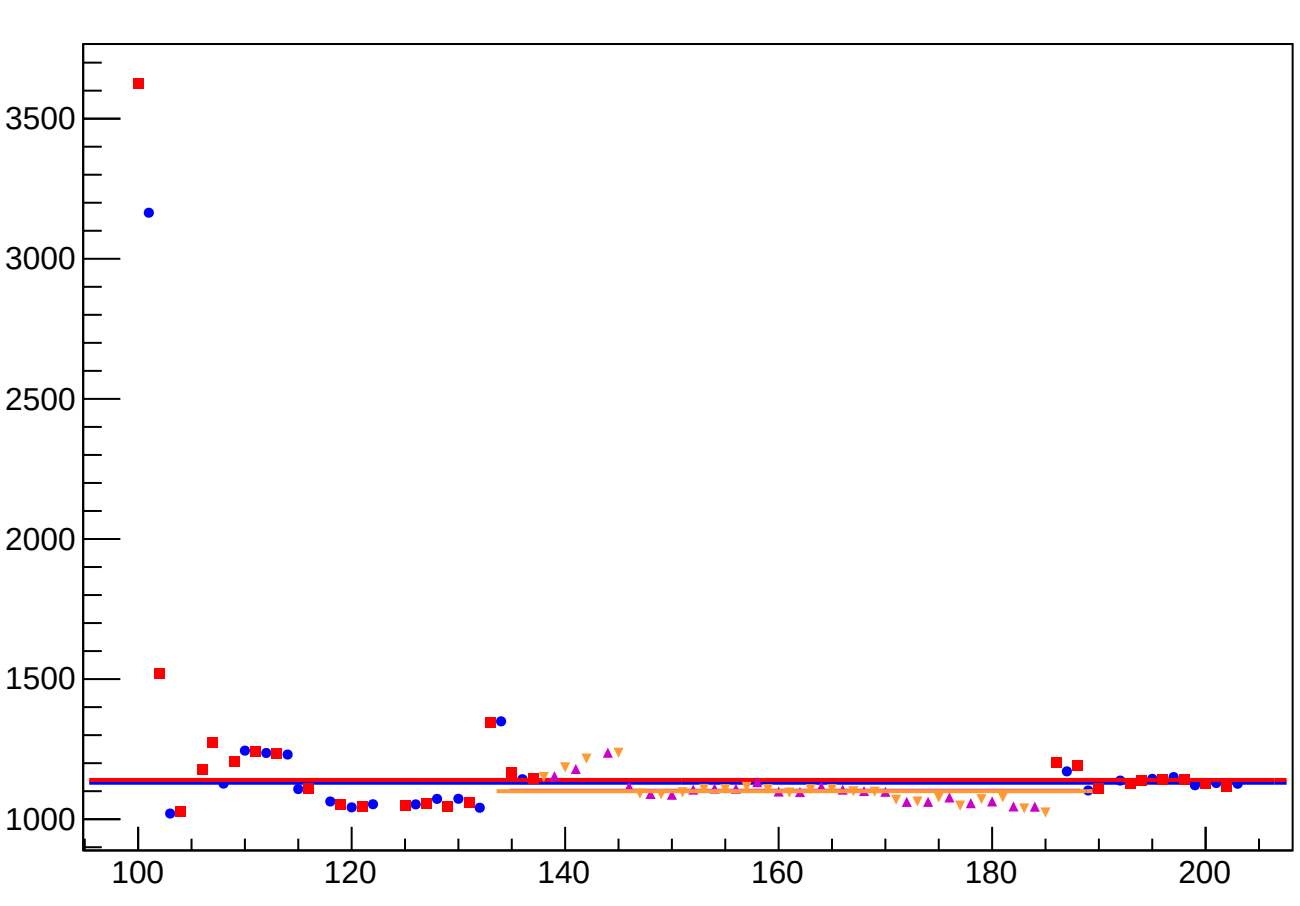
Right: 621.206+/-0.162 χ^2/NDF: 38606925.7/50

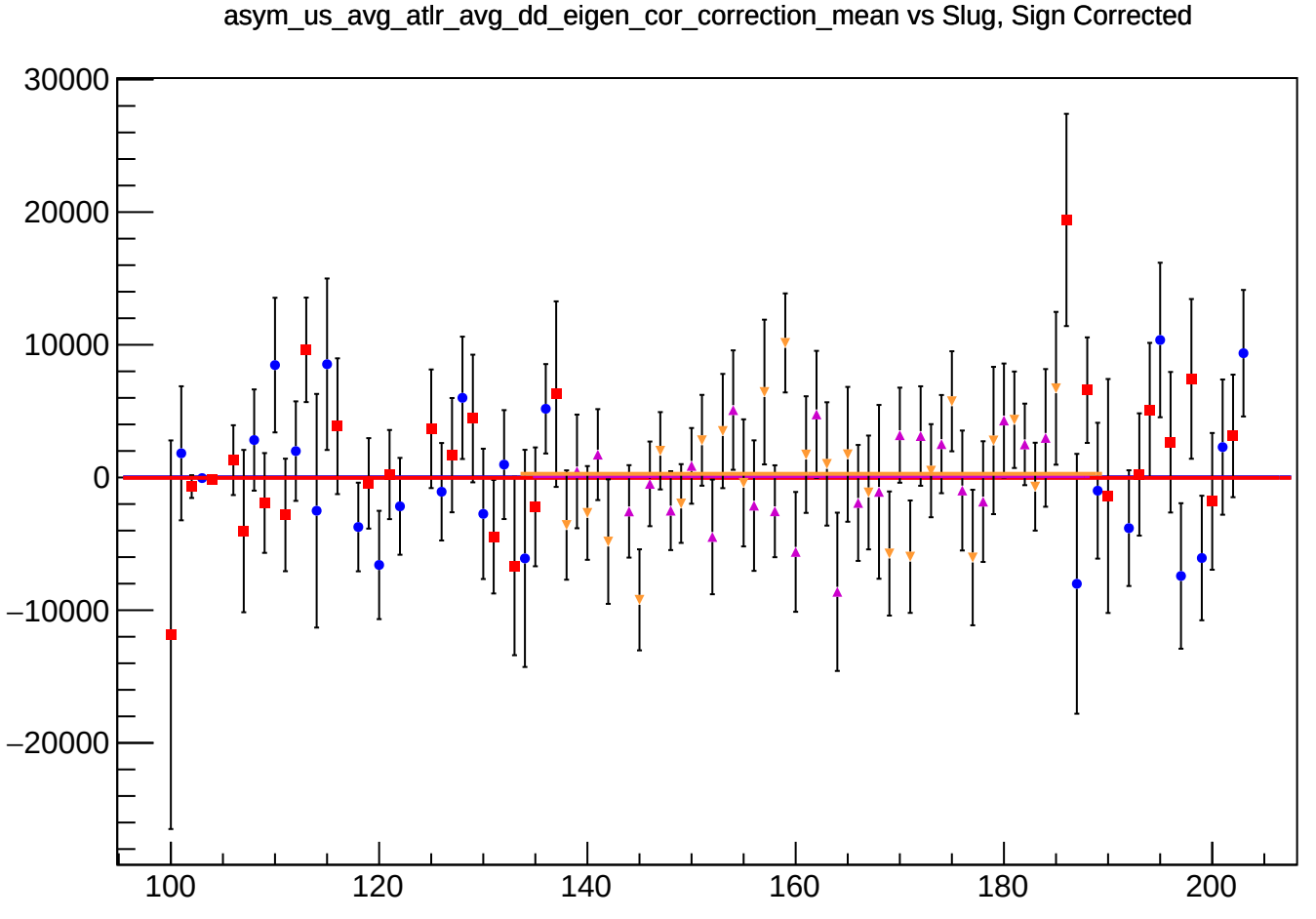
In: 1056.729+/-0.221 χ^2/NDF:39845675.0/46

Out: 959.613+/-0.206 χ^2/NDF:42051540.4/50

All: 1004.797+/-0.151 χ^2/NDF: 82000241.8/9


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: -110.799+/-314.680 χ²/NDF: 20.3/23
Left Out: 503.679+/-255.531 χ²/NDF:44.6/23
Right Out: 10.628+/-306.789 χ²/NDF: 31.0/26
Left In: -391.689+/-257.386 χ²/NDF:17.8/22
Left: 59.234+/-181.340 χ²/NDF: 68.5/46
Right: -48.544+/-219.669 χ²/NDF: 51.4/50
In: -279.096+/-199.230 χ²/NDF:38.6/46
Out: 301.728+/-196.344 χ²/NDF:77.1/50
All: 15.554+/-139.846 χ²/NDF: 120.0/97


eigen_cor_asym_us_avg_atlr_avg_dd_rms vs Slug, Sign Corrected
3500
3000
2500
2000
1500
1000
100
120
140
160
180
200
Right In: 1130.185+/-0.223 χ²/NDF: 623559.3/23
Left Out: 1100.063+/-0.181 χ²/NDF:58733.9/23
Right Out: 1140.126+/-0.217 χ²/NDF: 228306.3/26
Left In: 1101.530+/-0.182 χ²/NDF:52145.9/22
Left: 1100.791+/-0.128 χ²/NDF: 110912.5/46
Right: 1135.283+/-0.155 χ²/NDF: 852889.0/50
In: 1113.016+/-0.141 χ²/NDF:685642.2/46
Out: 1116.478+/-0.139 χ²/NDF:307182.6/50
All: 1114.773+/-0.099 χ²/NDF: 993131.2/97



Right In: 16.491+/-338.708 χ^2/NDF: 27.1/23

Left Out: 277.536+/-820.502 χ^2/NDF:29.9/23

Right Out: -25.525+/-312.287 χ^2/NDF: 26.2/26

Left In: 94.742+/-817.222 χ^2/NDF:13.7/22

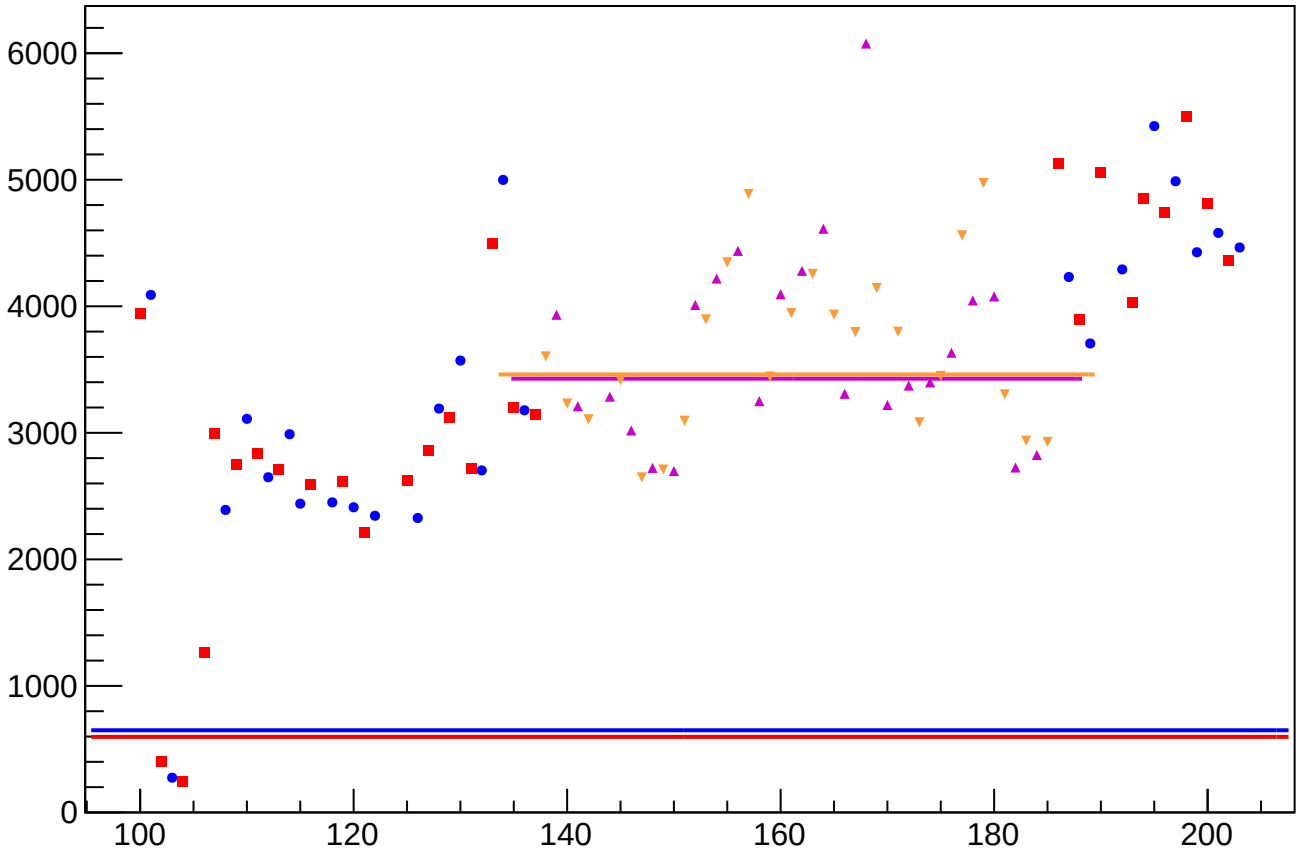
Left: 185.773+/-579.019 χ^2/NDF: 43.6/46

Right: -6.219+/-229.594 χ^2/NDF: 53.3/50

In: 27.962+/-312.898 χ^2/NDF:40.7/46

Out: 12.822+/-291.862 χ^2/NDF:56.2/50

All: 19.866+/-213.427 χ^2/NDF: 97.0/97



Right In: 649.419+/-0.240 χ^2/NDF: 18873517.5/23

Left Out: 3461.261+/-0.580 χ^2/NDF:1058691.8/23

Right Out: 597.224+/-0.221 χ^2/NDF: 19707736.9/26

Left In: 3427.857+/-0.578 χ^2/NDF:1243147.4/22

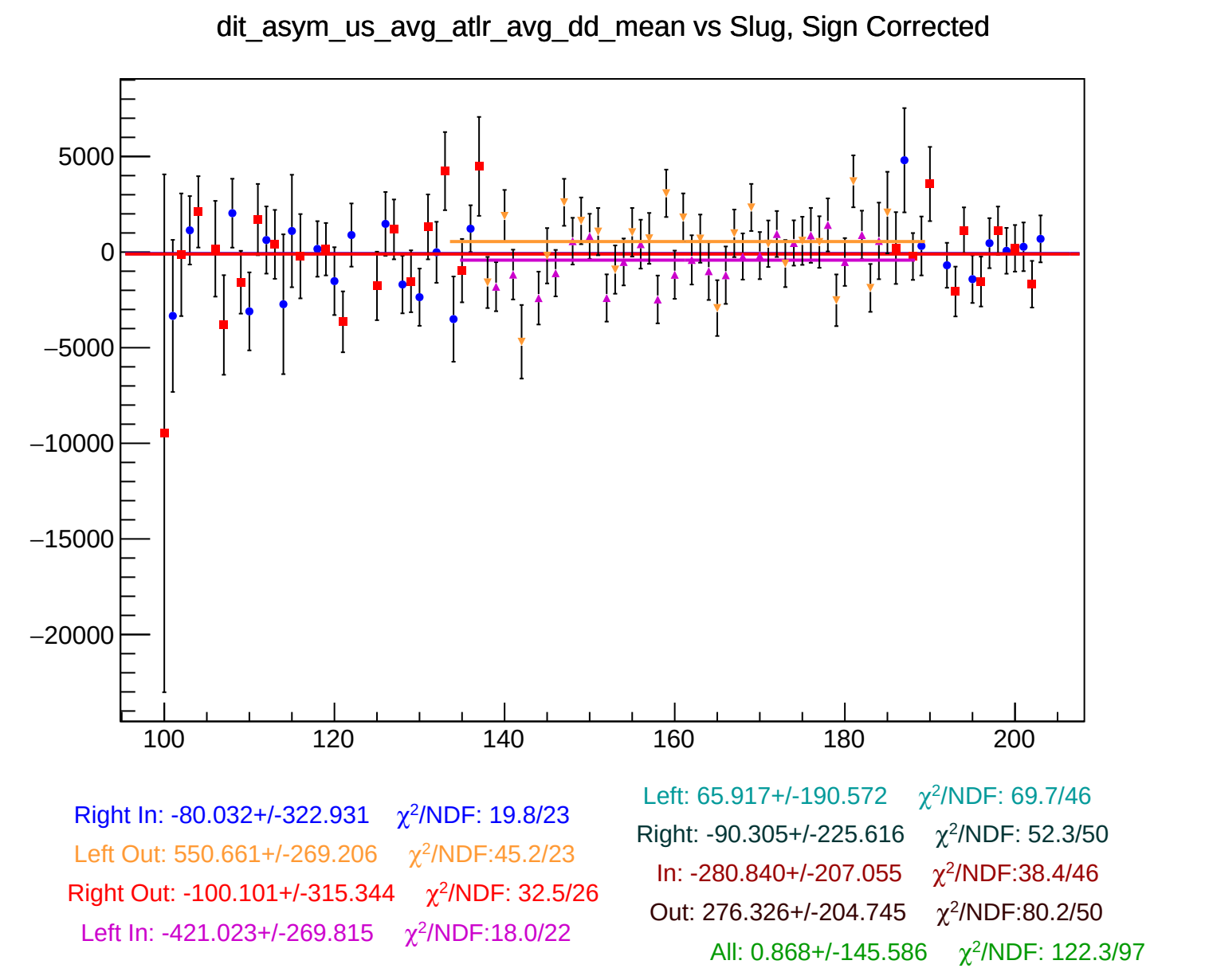
Left: 3444.492+/-0.409 χ^2/NDF: 2303503.3/46

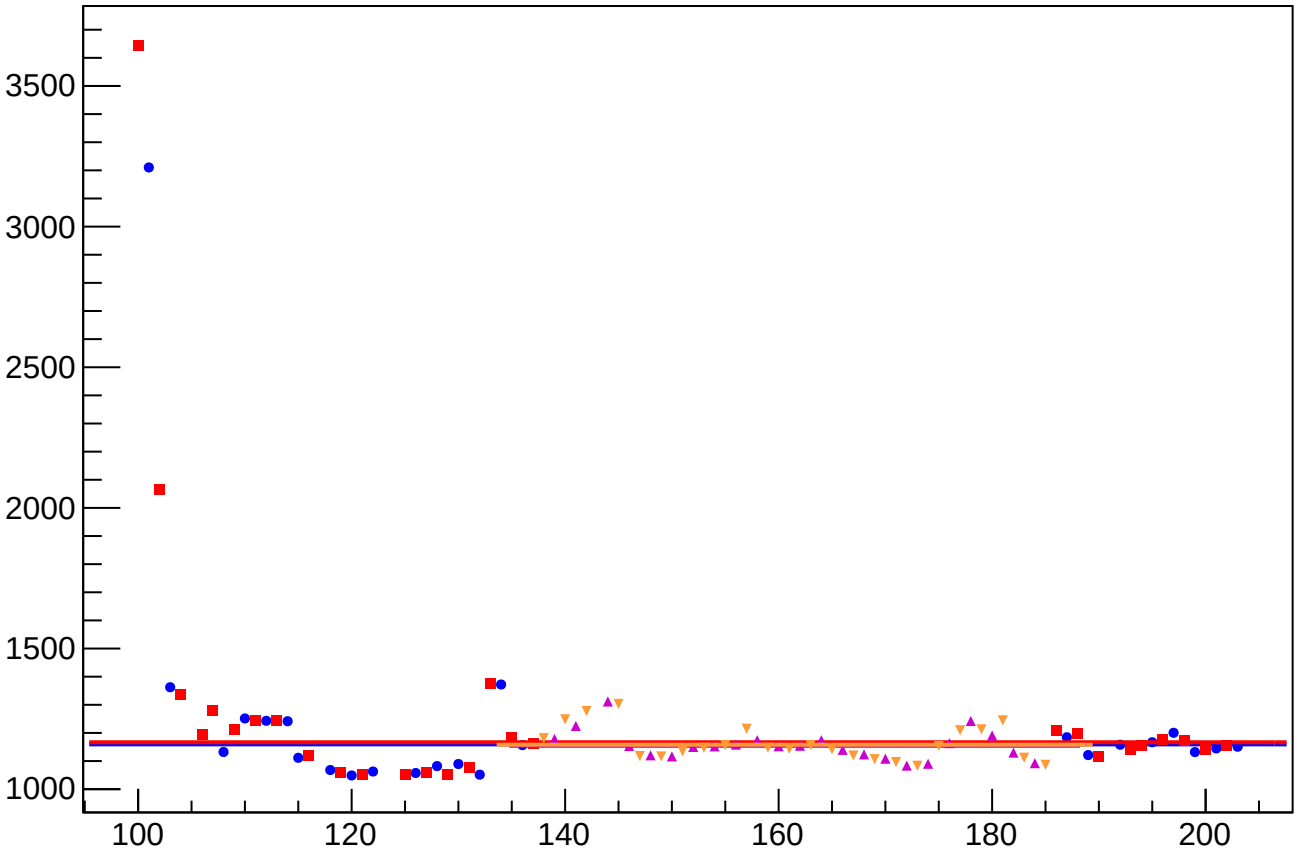
Right: 621.206+/-0.162 χ^2/NDF: 38606925.7/50

In: 1056.729+/-0.221 χ^2/NDF:39845675.0/46

Out: 959.613+/-0.206 χ^2/NDF:42051540.4/50

All: 1004.797+/-0.151 χ^2/NDF: 82000241.8/9


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: -80.032+/-322.931 χ²/NDF: 19.8/23
Left Out: 550.661+/-269.206 χ²/NDF:45.2/23
Right Out: -100.101+/-315.344 χ²/NDF: 32.5/26
Left In: -421.023+/-269.815 χ²/NDF:18.0/22
Left: 65.917+/-190.572 χ²/NDF: 69.7/46
Right: -90.305+/-225.616 χ²/NDF: 52.3/50
In: -280.840+/-207.055 χ²/NDF:38.4/46
Out: 276.326+/-204.745 χ²/NDF:80.2/50
All: 0.868+/-145.586 χ²/NDF: 122.3/97



Right In: 1159.298+/-0.228 χ^2/NDF: 640330.2/23

Left Out: 1158.177+/-0.190 χ^2/NDF:84111.8/23

Right Out: 1166.841+/-0.223 χ^2/NDF: 337861.6/26

Left In: 1154.231+/-0.191 χ^2/NDF:66476.9/22

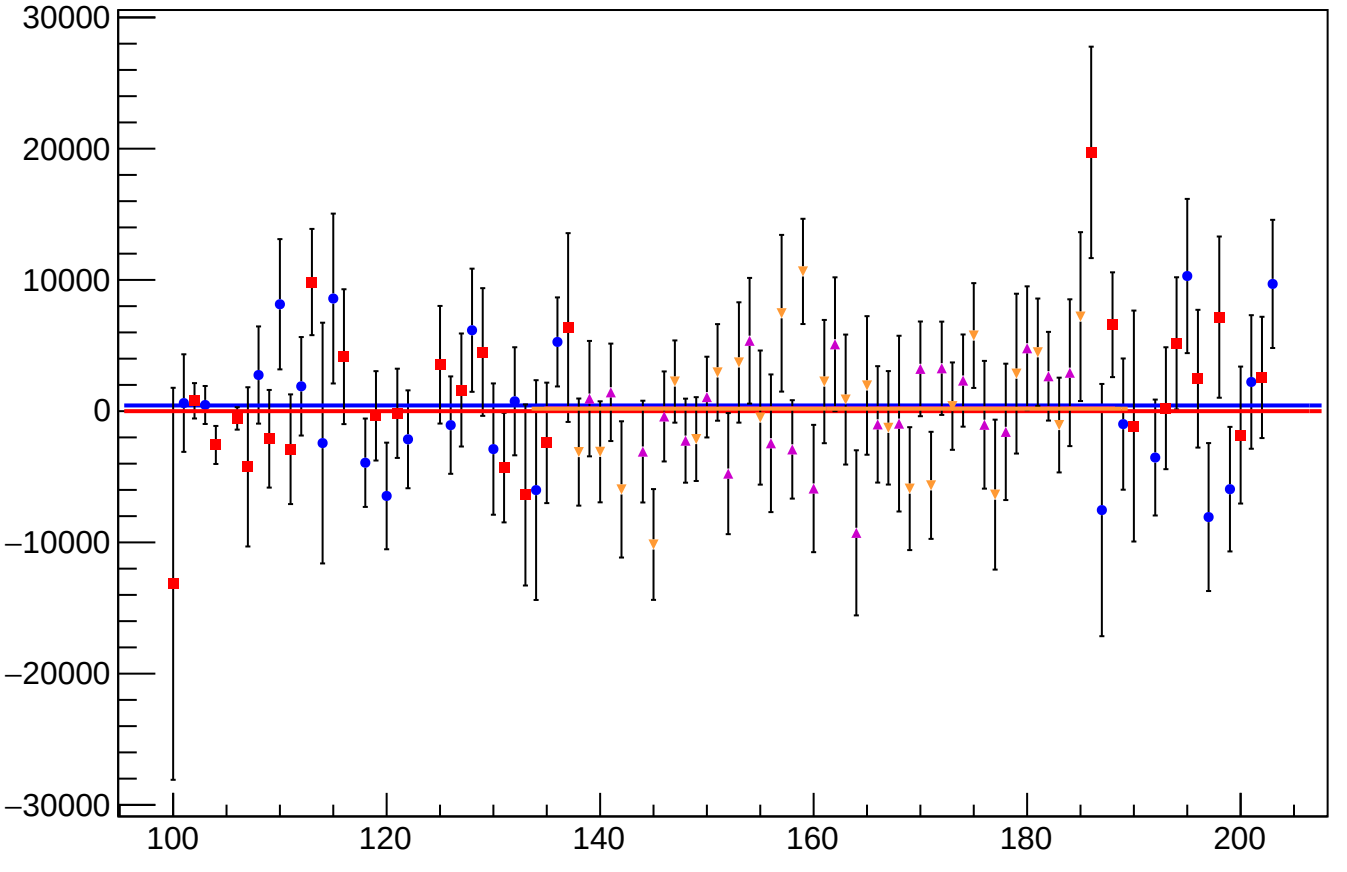
Left: 1156.208+/-0.135 χ^2/NDF: 150803.1/46

Right: 1163.160+/-0.160 χ^2/NDF: 978750.5/50

In: 1156.314+/-0.146 χ^2/NDF:707097.1/46

Out: 1161.830+/-0.145 χ^2/NDF:422847.0/50

All: 1159.103+/-0.103 χ^2/NDF: 1130661.9/97



Right In: 434.548+/-791.502 χ^2/NDF: 26.6/23

Left Out: 189.735+/-869.432 χ^2/NDF:29.3/23

Right Out: -0.309+/-538.683 χ^2/NDF: 29.0/26

Left In: 221.361+/-864.775 χ^2/NDF:13.4/22

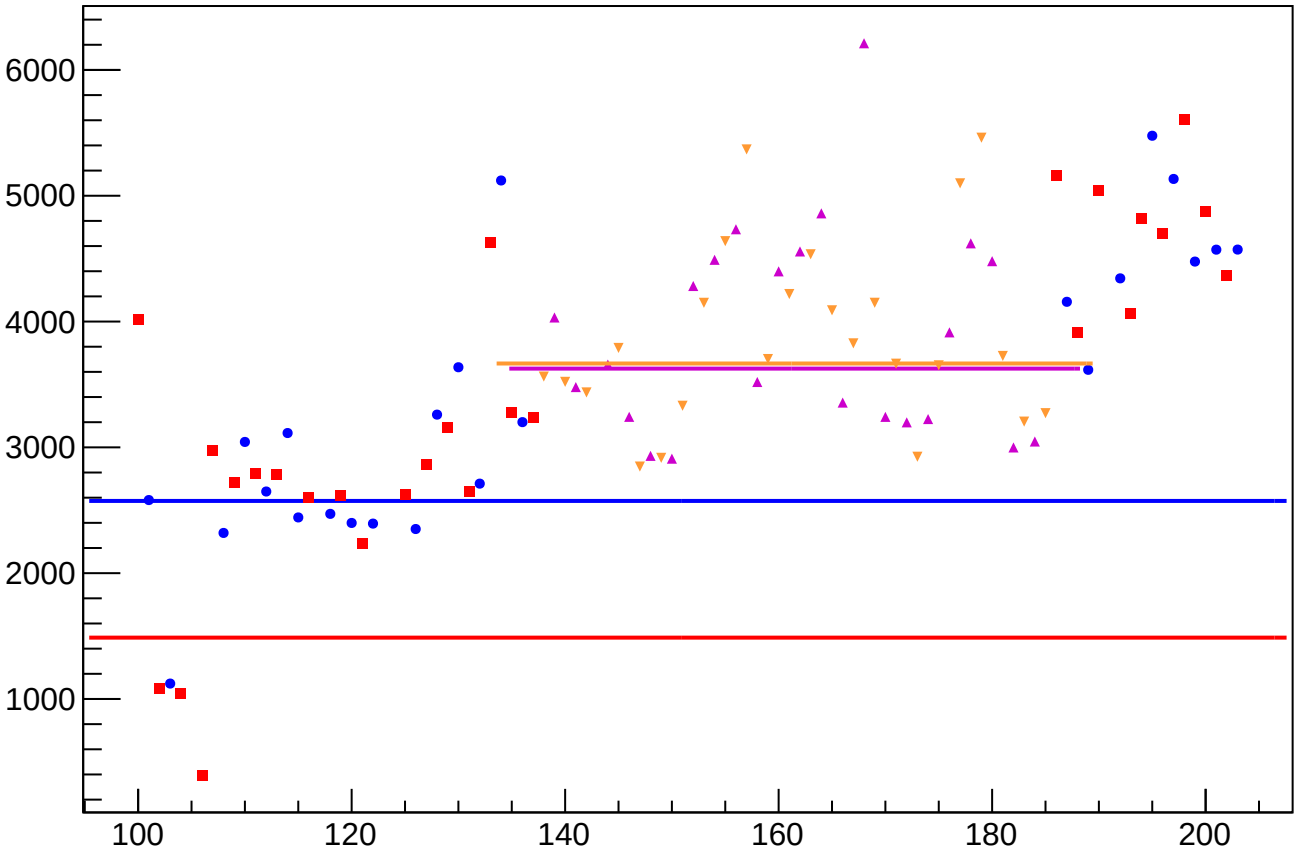
Left: 205.633+/-613.128 χ^2/NDF: 42.7/46

Right: 137.351+/-445.330 χ^2/NDF: 55.8/50

In: 337.368+/-583.865 χ^2/NDF:40.0/46

Out: 52.408+/-457.914 χ^2/NDF:58.3/50

All: 160.933+/-360.317 χ^2/NDF: 98.5/97



Right In: 2574.182+/-0.560 χ^2/NDF: 4780142.8/23

Left Out: 3666.536+/-0.615 χ^2/NDF:1095831.4/23

Right Out: 1487.617+/-0.381 χ^2/NDF: 12679754.7/26

Left In: 3625.940+/-0.611 χ^2/NDF:1257928.4/22

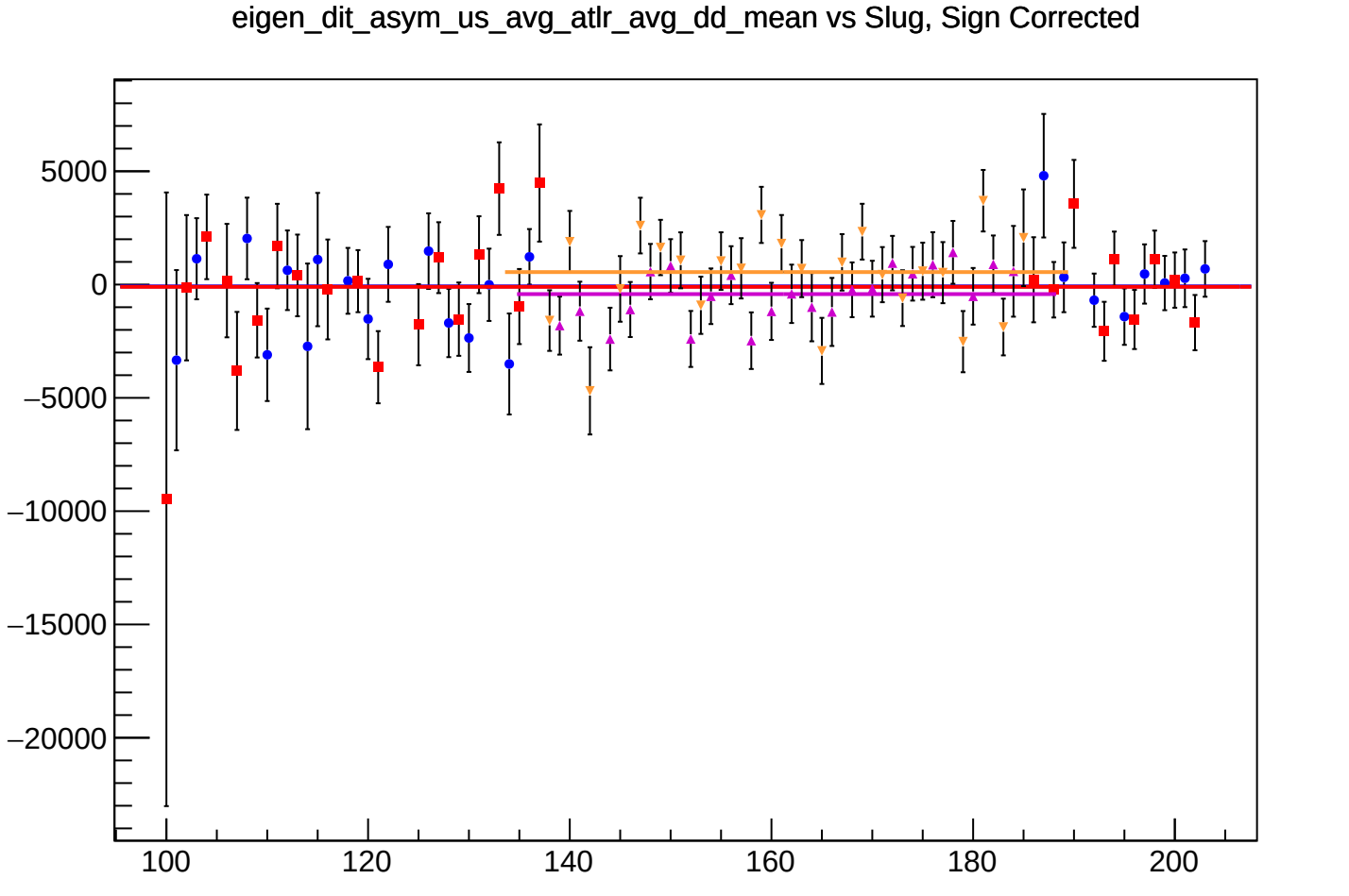
Left: 3646.129+/-0.434 χ^2/NDF: 2355951.7/46

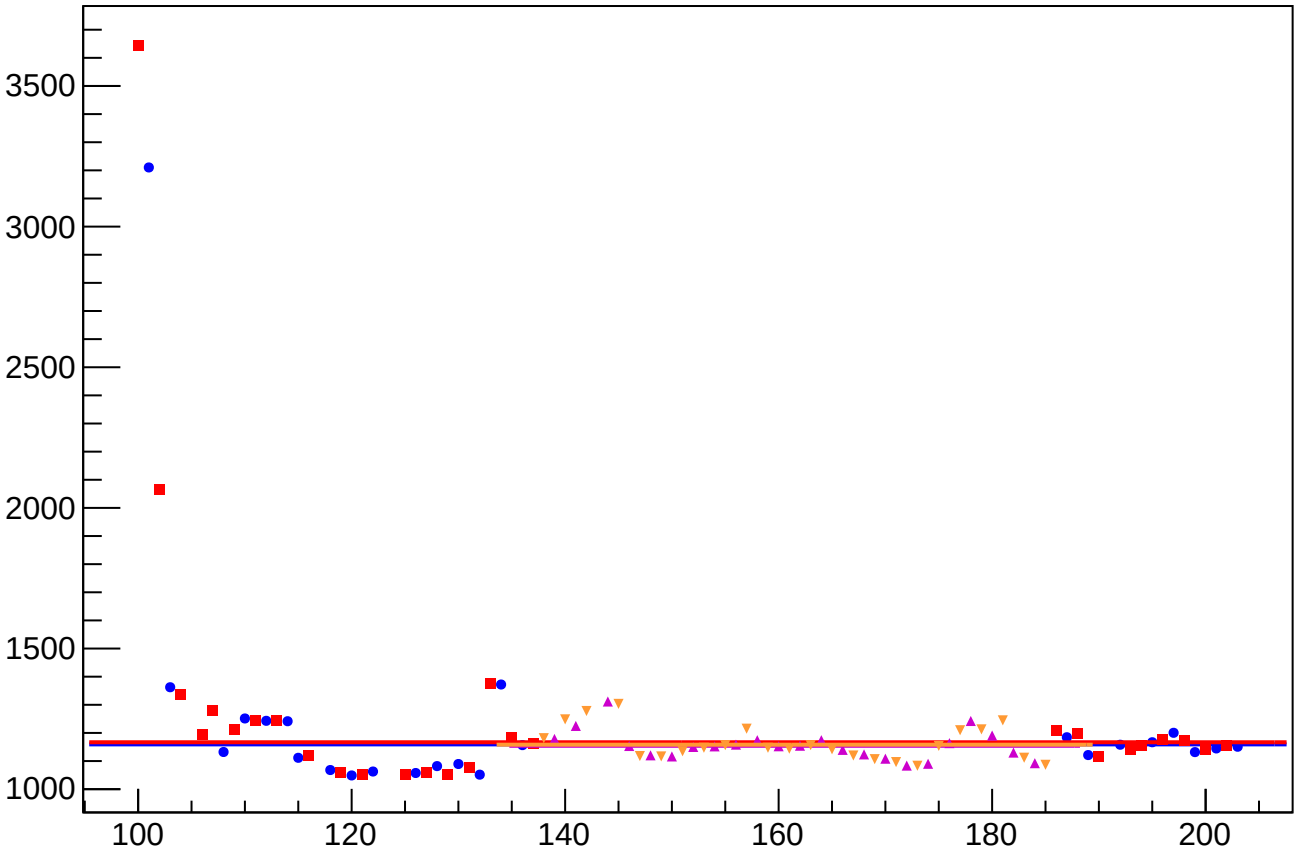
Right: 1831.584+/-0.315 χ^2/NDF: 20035837.1/50

In: 3053.622+/-0.413 χ^2/NDF:7647889.6/46

Out: 2092.036+/-0.324 χ^2/NDF:22852582.8/50

All: 2458.248+/-0.255 χ^2/NDF: 33859264.2/9


eigen_dit_asym_us_avg_atlr_avg_dd_mean vs Slug, Sign Corrected
5000
0
−5000
−10000
−15000
−20000
100
120
140
160
180
200
Right In: -80.030+/-322.931 χ²/NDF: 19.8/23
Left Out: 550.663+/-269.206 χ²/NDF:45.2/23
Right Out: -100.103+/-315.344 χ²/NDF: 32.5/26
Left In: -421.022+/-269.815 χ²/NDF:18.0/22
Left: 65.918+/-190.573 χ²/NDF: 69.7/46
Right: -90.305+/-225.616 χ²/NDF: 52.3/50
In: -280.838+/-207.055 χ²/NDF:38.4/46
Out: 276.326+/-204.745 χ²/NDF:80.2/50
All: 0.868+/-145.587 χ²/NDF: 122.3/97



Right In: 1159.298+/-0.228 χ^2/NDF: 640330.4/23

Left Out: 1158.178+/-0.190 χ^2/NDF:84114.3/23

Right Out: 1166.841+/-0.223 χ^2/NDF: 337861.3/26

Left In: 1154.232+/-0.191 χ^2/NDF:66479.5/22

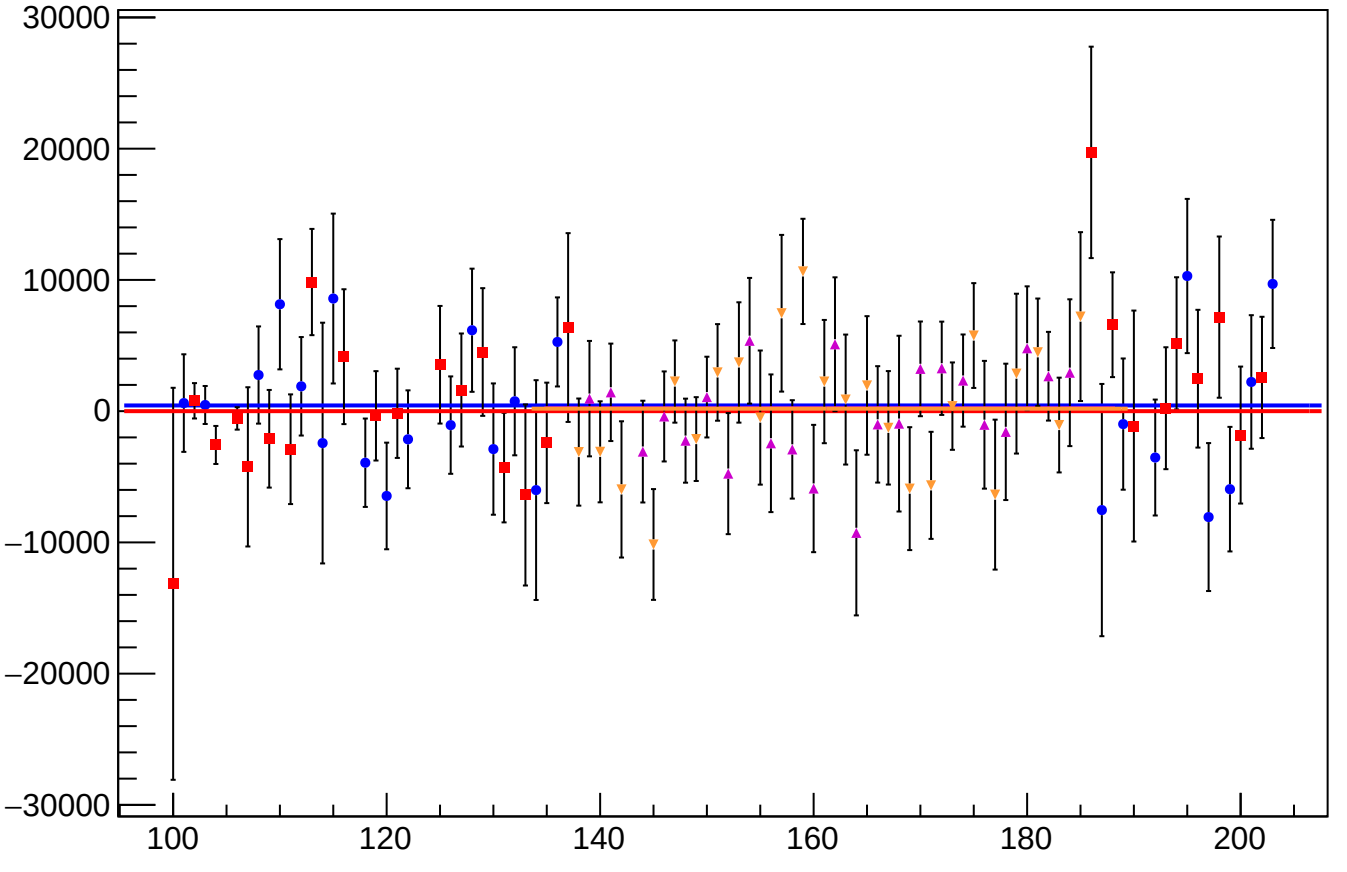
Left: 1156.209+/-0.135 χ^2/NDF: 150808.1/46

Right: 1163.160+/-0.160 χ^2/NDF: 978750.5/50

In: 1156.314+/-0.146 χ^2/NDF:707099.8/46

Out: 1161.831+/-0.145 χ^2/NDF:422848.9/50

All: 1159.104+/-0.103 χ^2/NDF: 1130666.6/97



Right In: 434.543+/-791.501 χ^2/NDF: 26.6/23

Left Out: 189.735+/-869.434 χ^2/NDF:29.3/23

Right Out: -0.319+/-538.677 χ^2/NDF: 29.0/26

Left In: 221.363+/-864.776 χ^2/NDF:13.4/22

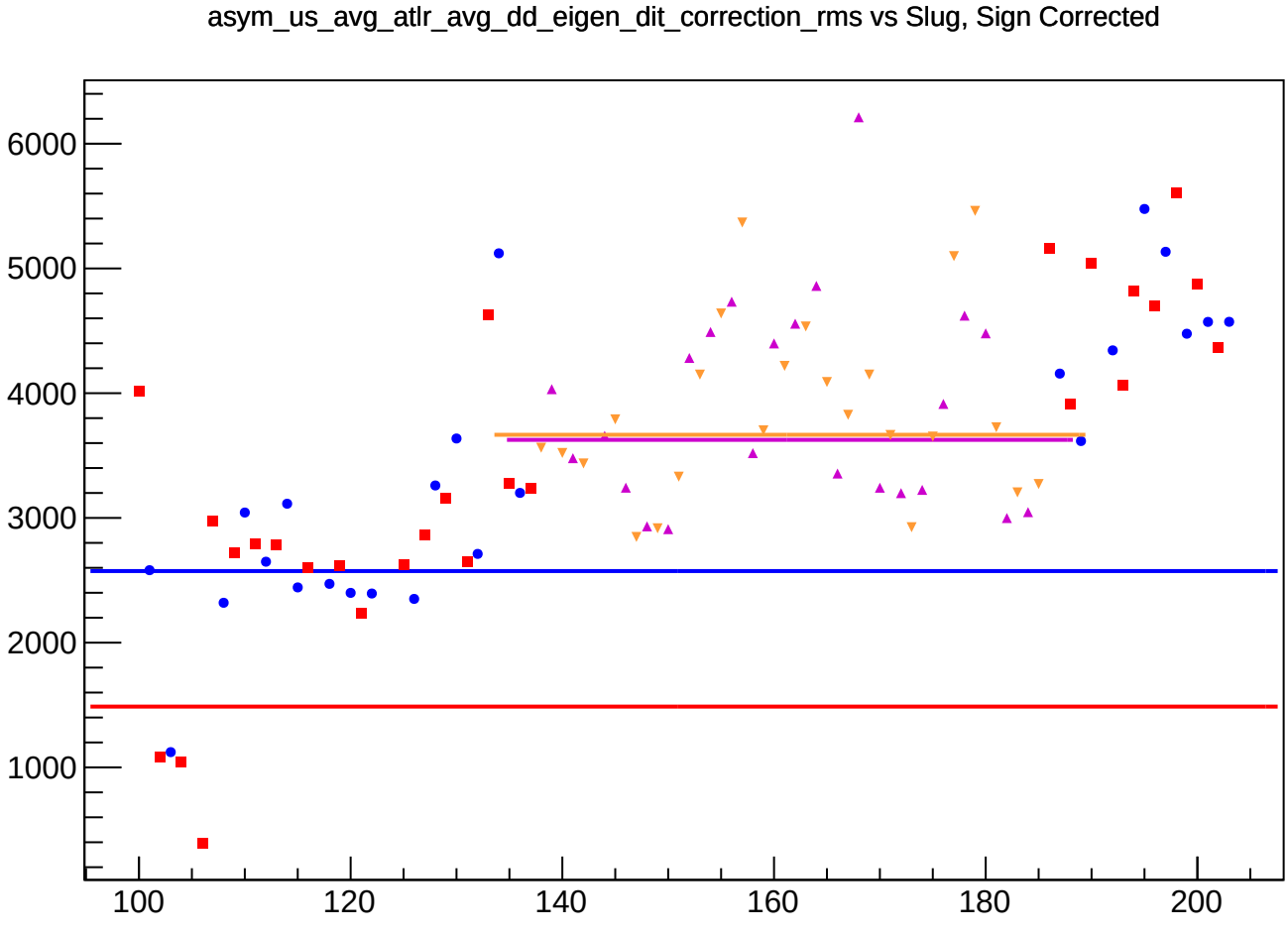
Left: 205.634+/-613.129 χ^2/NDF: 42.7/46

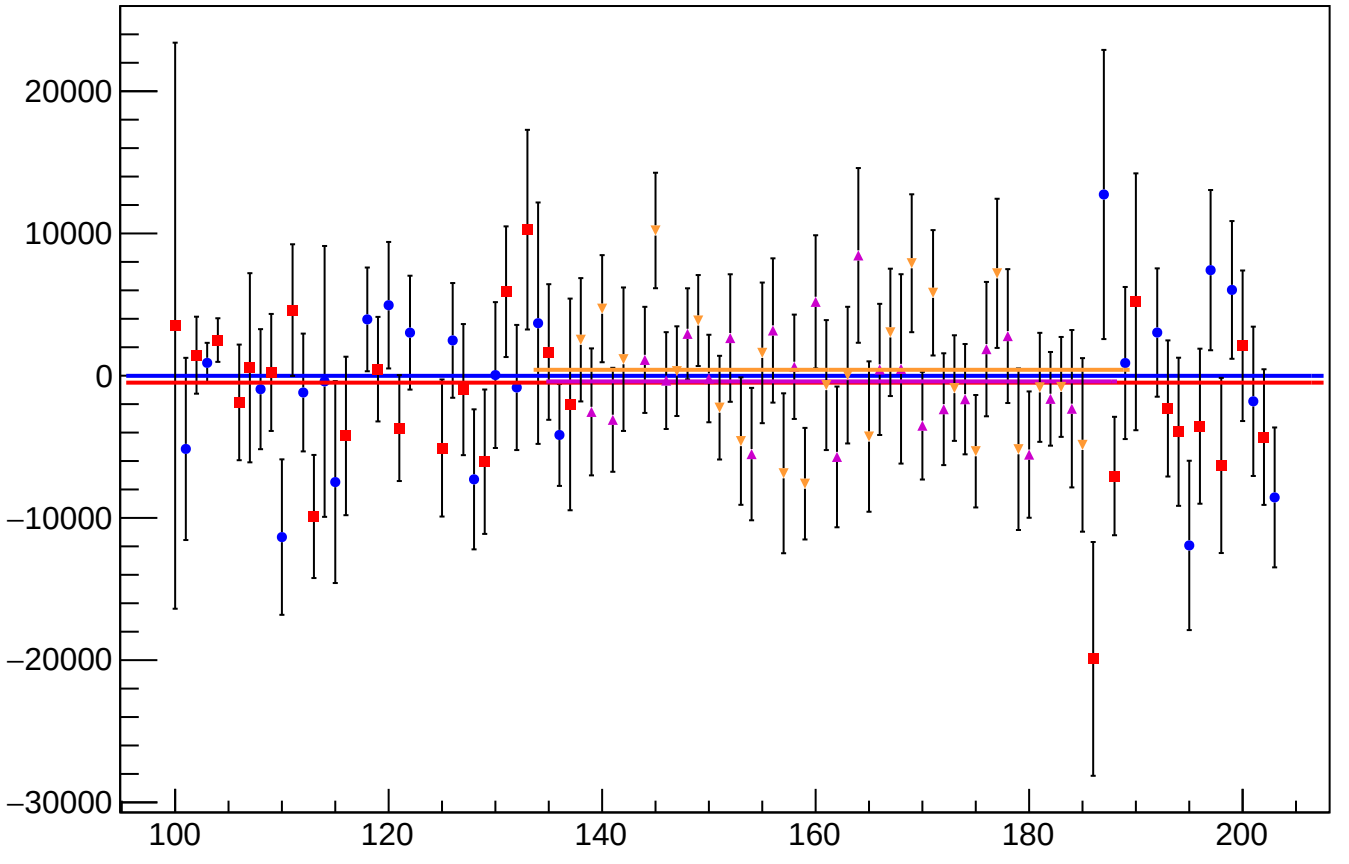
Right: 137.341+/-445.327 χ^2/NDF: 55.8/50

In: 337.366+/-583.865 χ^2/NDF:40.0/46

Out: 52.400+/-457.911 χ^2/NDF:58.3/50

All: 160.926+/-360.316 χ^2/NDF: 98.5/97


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: 2574.178+/-0.560 χ²/NDF: 4780157.1/23
Left Out: 3666.541+/-0.615 χ²/NDF:1095834.2/23
Right Out: 1487.589+/-0.381 χ²/NDF: 12679995.1/26
Left In: 3625.945+/-0.611 χ²/NDF:1257933.0/22
Left: 3646.134+/-0.434 χ²/NDF: 2355959.1/46
Right: 1831.559+/-0.315 χ²/NDF: 20036229.3/50
In: 3053.621+/-0.413 χ²/NDF:7647933.2/46
Out: 2092.006+/-0.324 χ²/NDF:22853138.4/50
All: 2458.226+/-0.255 χ²/NDF: 33860081.5/9



Right In: -9.923+/-829.485 χ^2/NDF: 26.3/23

Left Out: 413.494+/-865.331 χ^2/NDF:27.2/23

Right Out: -489.748+/-803.579 χ^2/NDF: 29.5/26

Left In: -403.543+/-862.437 χ^2/NDF:12.3/22

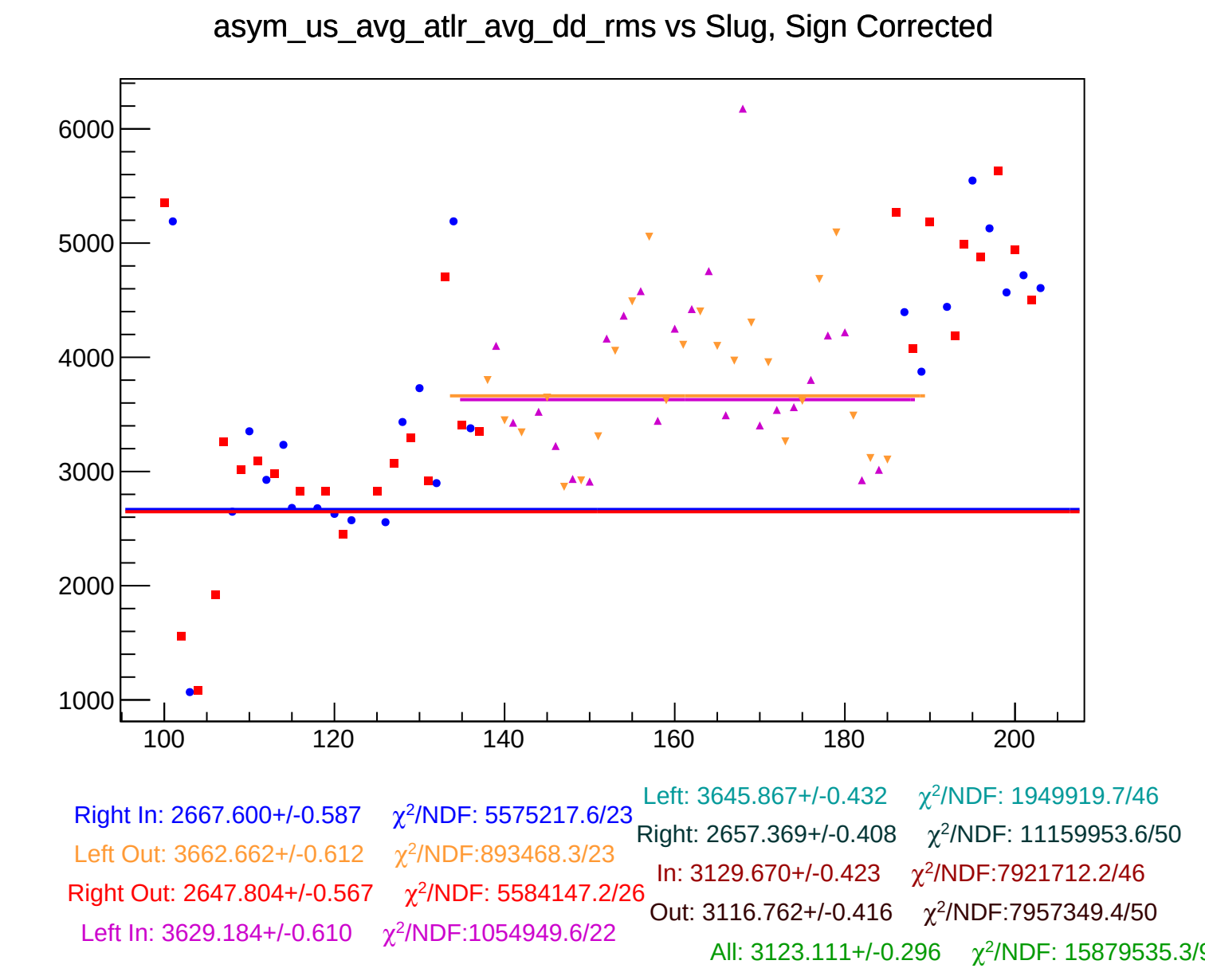
Left: 3.607+/-610.856 χ^2/NDF: 39.9/46

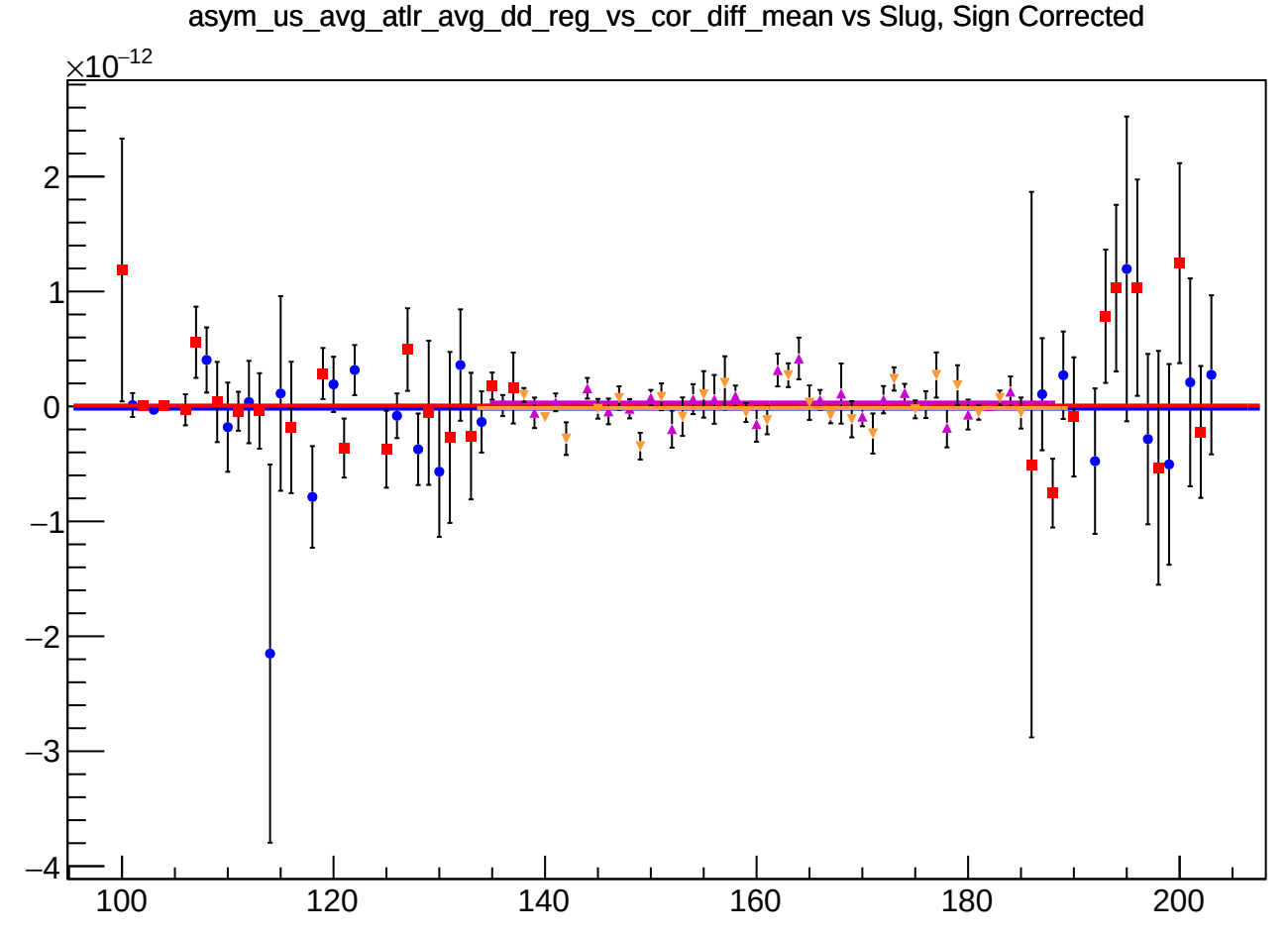
Right: -257.445+/-577.157 χ^2/NDF: 56.0/50

In: -199.069+/-597.845 χ^2/NDF:38.7/46

Out: -71.503+/-588.838 χ^2/NDF:57.3/50

All: -134.318+/-419.519 χ^2/NDF: 96.0/97


asym_us_avg_atlr_avg_dd_rms vs Slug, Sign Corrected
6000
5000
4000
3000
2000
1000
100
120
140
160
180
200
Right In: 2667.600+/-0.587 χ²/NDF: 5575217.6/23
Left Out: 3662.662+/-0.612 χ²/NDF:893468.3/23
Right Out: 2647.804+/-0.567 χ²/NDF: 5584147.2/26
Left In: 3629.184+/-0.610 χ²/NDF:1054949.6/22
Left: 3645.867+/-0.432 χ²/NDF: 1949919.7/46
Right: 2657.369+/-0.408 χ²/NDF: 11159953.6/50
In: 3129.670+/-0.423 χ²/NDF:7921712.2/46
Out: 3116.762+/-0.416 χ²/NDF:7957349.4/50
All: 3123.111+/-0.296 χ²/NDF: 15879535.3/9



Right In: -0.000+/-0.000 χ^2/NDF: 16.4/23

Left Out: -0.000+/-0.000 χ^2/NDF:45.3/23

Right Out: 0.000+/-0.000 χ^2/NDF: 28.0/26

Left In: 0.000+/-0.000 χ^2/NDF:22.9/22

Left: 0.000+/-0.000 χ^2/NDF: 71.2/46

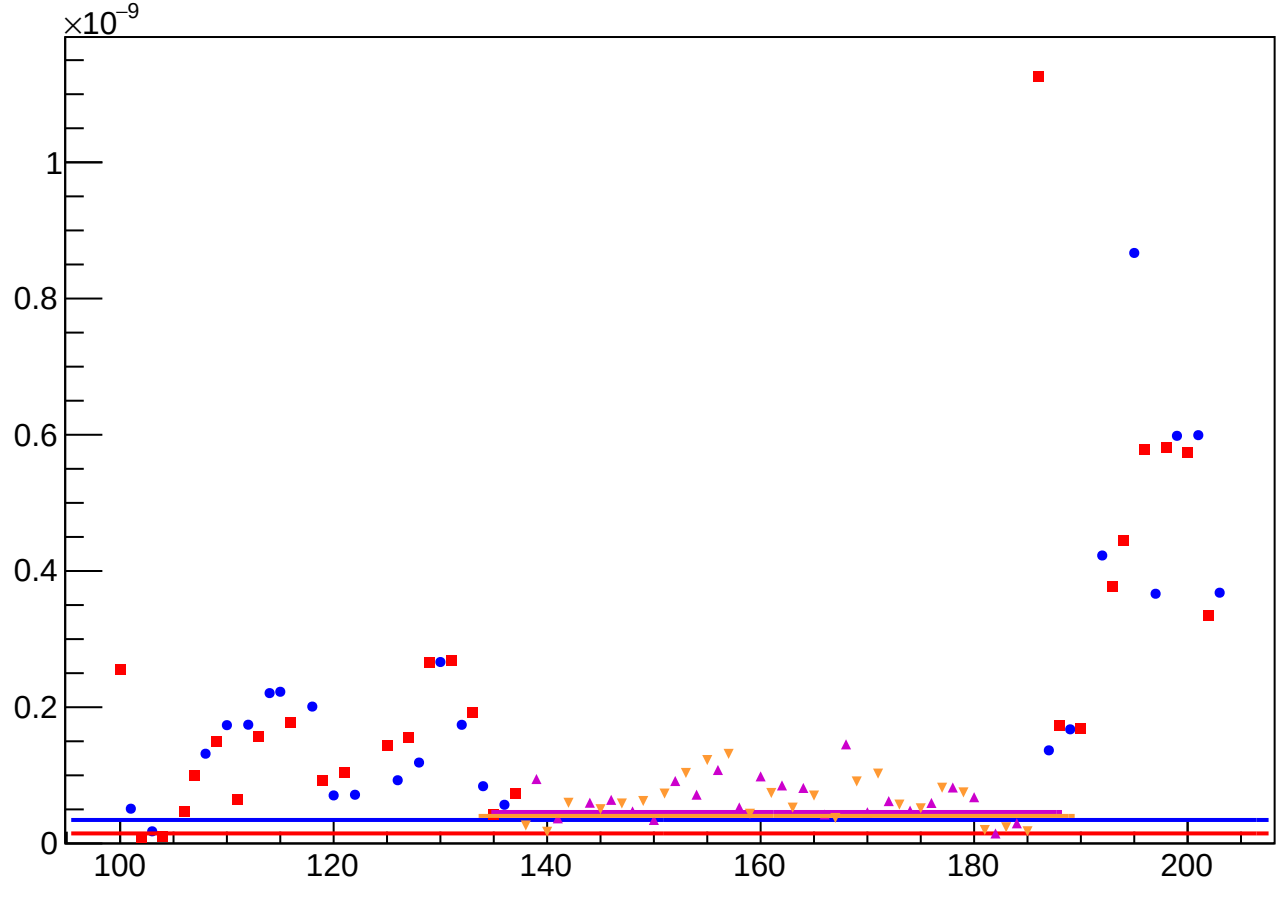
Right: 0.000+/-0.000 χ^2/NDF: 45.2/50

In: 0.000+/-0.000 χ^2/NDF:41.9/46

Out: -0.000+/-0.000 χ^2/NDF:74.1/50

All: 0.000+/-0.000 χ^2/NDF: 116.6/97

asym_us_avg_atlr_avg_dd_reg_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 7392110.4/23

Left Out: 0.000+/-0.000 χ^2/NDF:3432253.9/23

Right Out: 0.000+/-0.000 χ^2/NDF: 9125216.3/26

Left In: 0.000+/-0.000 χ^2/NDF:2954466.9/22

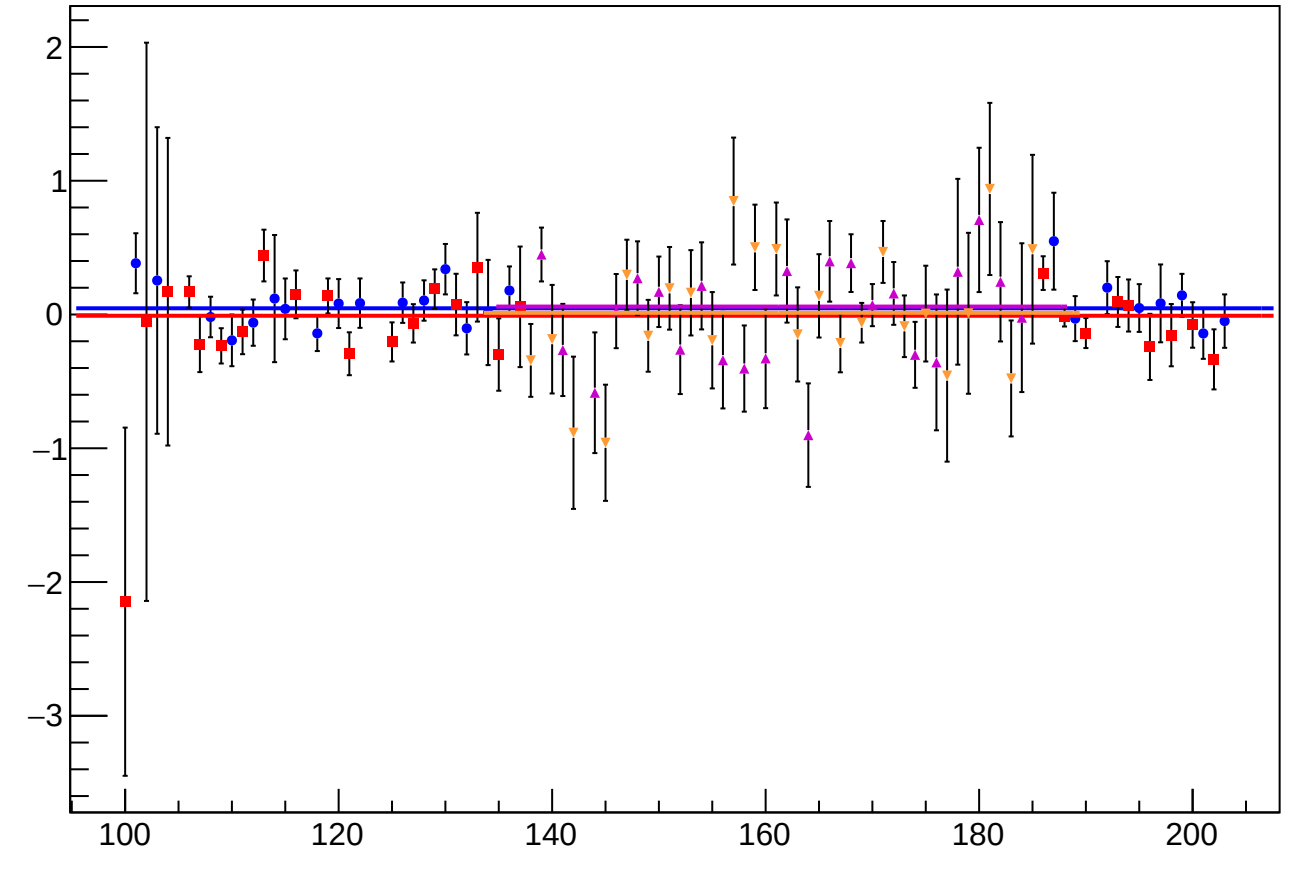
Left: 0.000+/-0.000 χ^2/NDF: 6474821.5/46

Right: 0.000+/-0.000 χ^2/NDF: 17424340.7/50

In: 0.000+/-0.000 χ^2/NDF:10608139.5/46

Out: 0.000+/-0.000 χ^2/NDF:14888866.8/50

All: 0.000+/-0.000 χ^2/NDF: 26991723.0/97



Right In: 0.046+/-0.039 χ^2/NDF: 14.6/23

Left Out: 0.013+/-0.063 χ^2/NDF:29.3/23

Right Out: -0.009+/-0.032 χ^2/NDF: 37.8/26

Left In: 0.059+/-0.062 χ^2/NDF:27.9/22

Left: 0.036+/-0.044 χ^2/NDF: 57.5/46

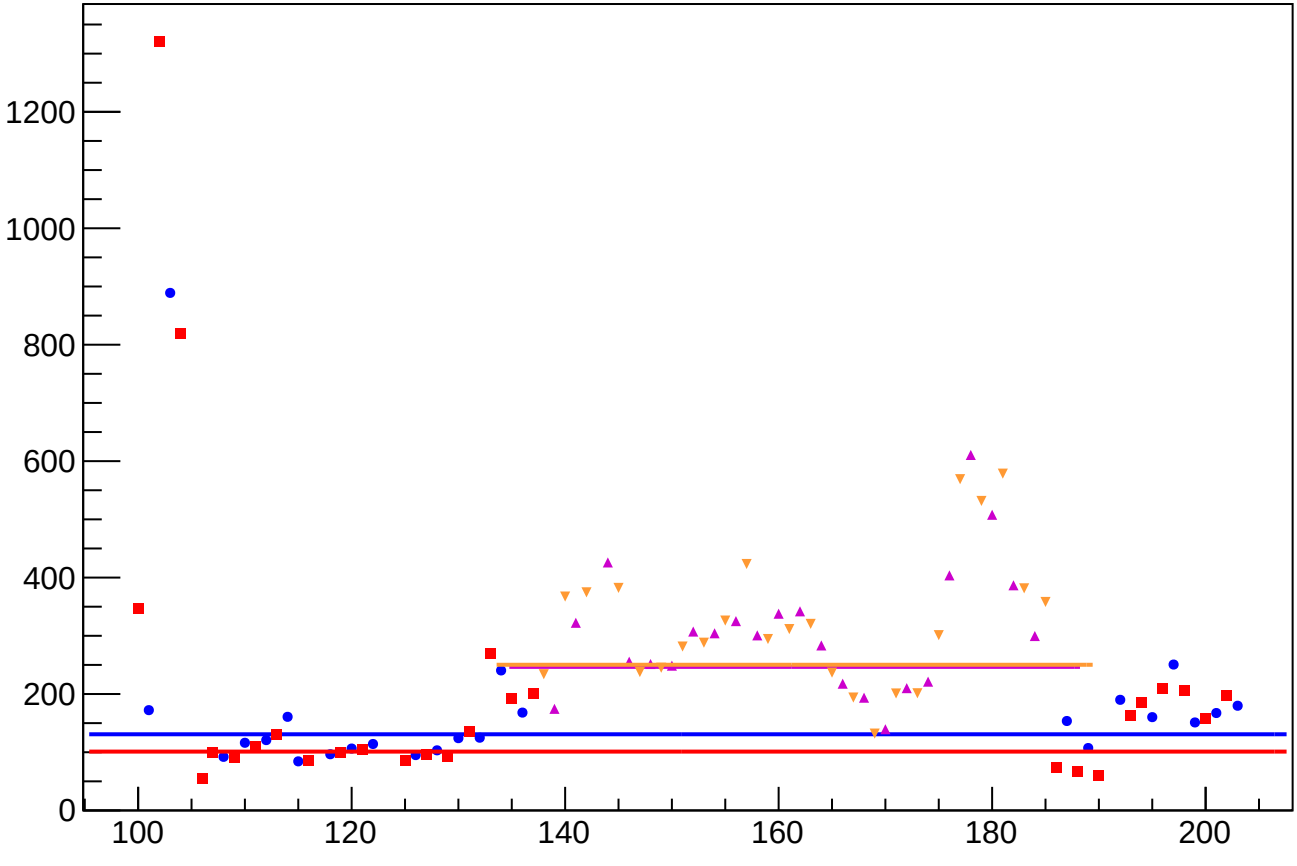
Right: 0.013+/-0.025 χ^2/NDF: 53.6/50

In: 0.050+/-0.033 χ^2/NDF:42.6/46

Out: -0.005+/-0.028 χ^2/NDF:67.2/50

All: 0.018+/-0.022 χ^2/NDF: 111.4/97

asym_us_avg_atlr_avg_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 130.855+/-0.028 χ^2/NDF: 2641218.2/23

Left Out: 250.247+/-0.045 χ^2/NDF:4353162.7/23

Right Out: 101.101+/-0.022 χ^2/NDF: 5436742.7/26

Left In: 246.630+/-0.044 χ^2/NDF:3773083.4/22

Left: 248.410+/-0.031 χ^2/NDF: 8129595.0/46

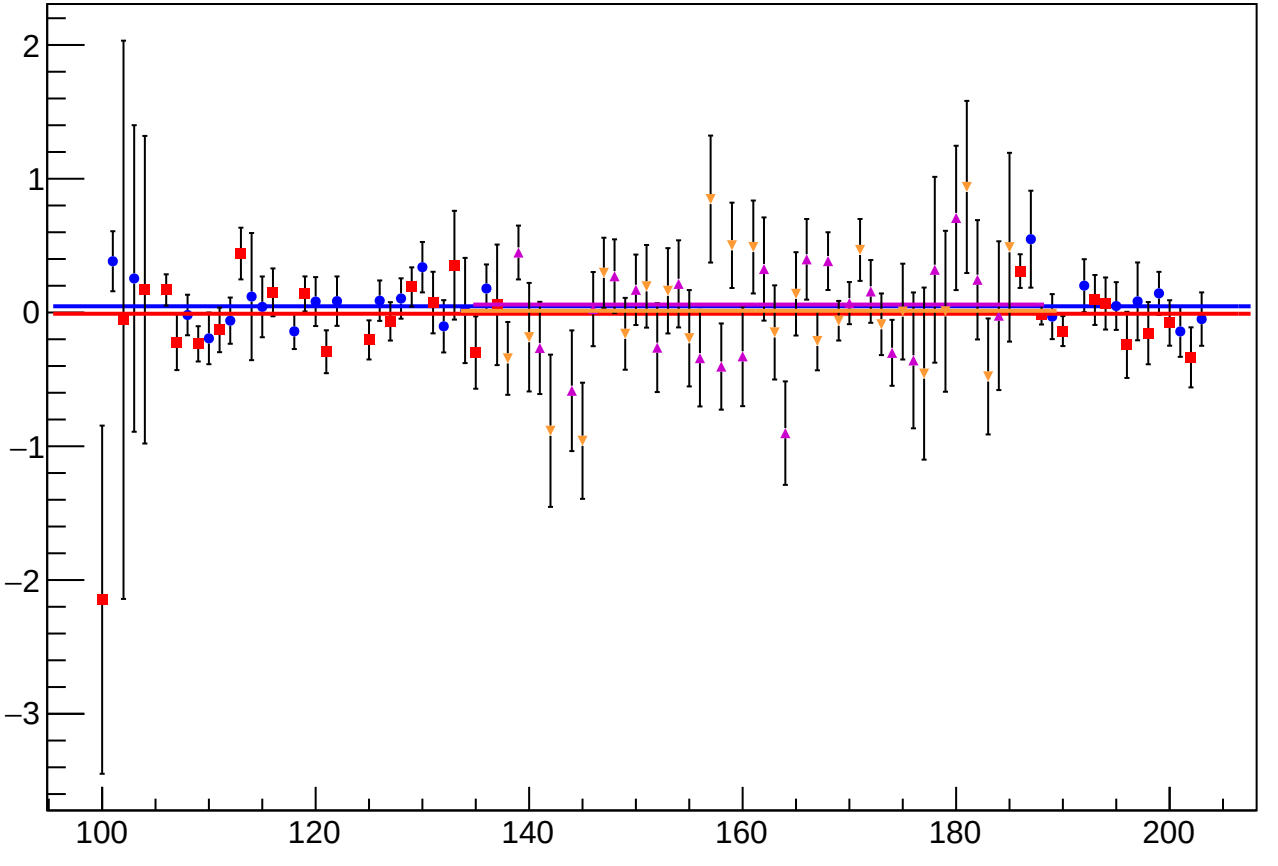
Right: 112.765+/-0.017 χ^2/NDF: 8774557.0/50

In: 164.044+/-0.023 χ^2/NDF:11387350.1/46

Out: 131.024+/-0.020 χ^2/NDF:18747885.3/50

All: 144.875+/-0.015 χ^2/NDF: 31283654.6/97

asym_us_avg_atlr_avg_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.046+/-0.039 χ^2/NDF: 14.6/23

Left Out: 0.013+/-0.063 χ^2/NDF:29.3/23

Right Out: -0.009+/-0.032 χ^2/NDF: 37.8/26

Left In: 0.059+/-0.062 χ^2/NDF:27.9/22

Left: 0.036+/-0.044 χ^2/NDF: 57.5/46

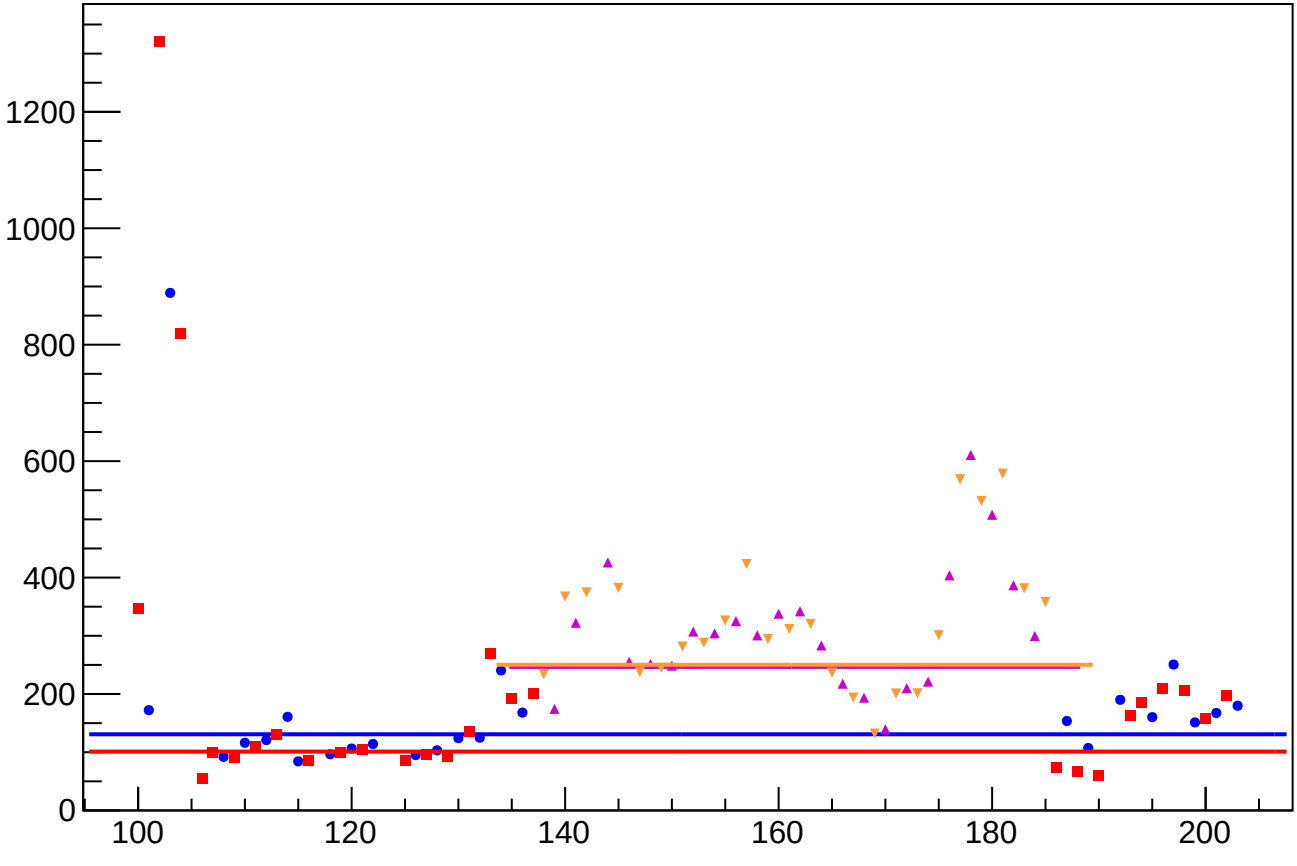
Right: 0.013+/-0.025 χ^2/NDF: 53.6/50

In: 0.050+/-0.033 χ^2/NDF:42.6/46

Out: -0.005+/-0.028 χ^2/NDF:67.2/50

All: 0.018+/-0.022 χ^2/NDF: 111.4/97

asym_us_avg_atlr_avg_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 130.855+/-0.028 χ^2/NDF: 2641218.2/23

Left Out: 250.247+/-0.045 χ^2/NDF:4353162.7/23

Right Out: 101.101+/-0.022 χ^2/NDF: 5436742.7/26

Left In: 246.630+/-0.044 χ^2/NDF:3773083.4/22

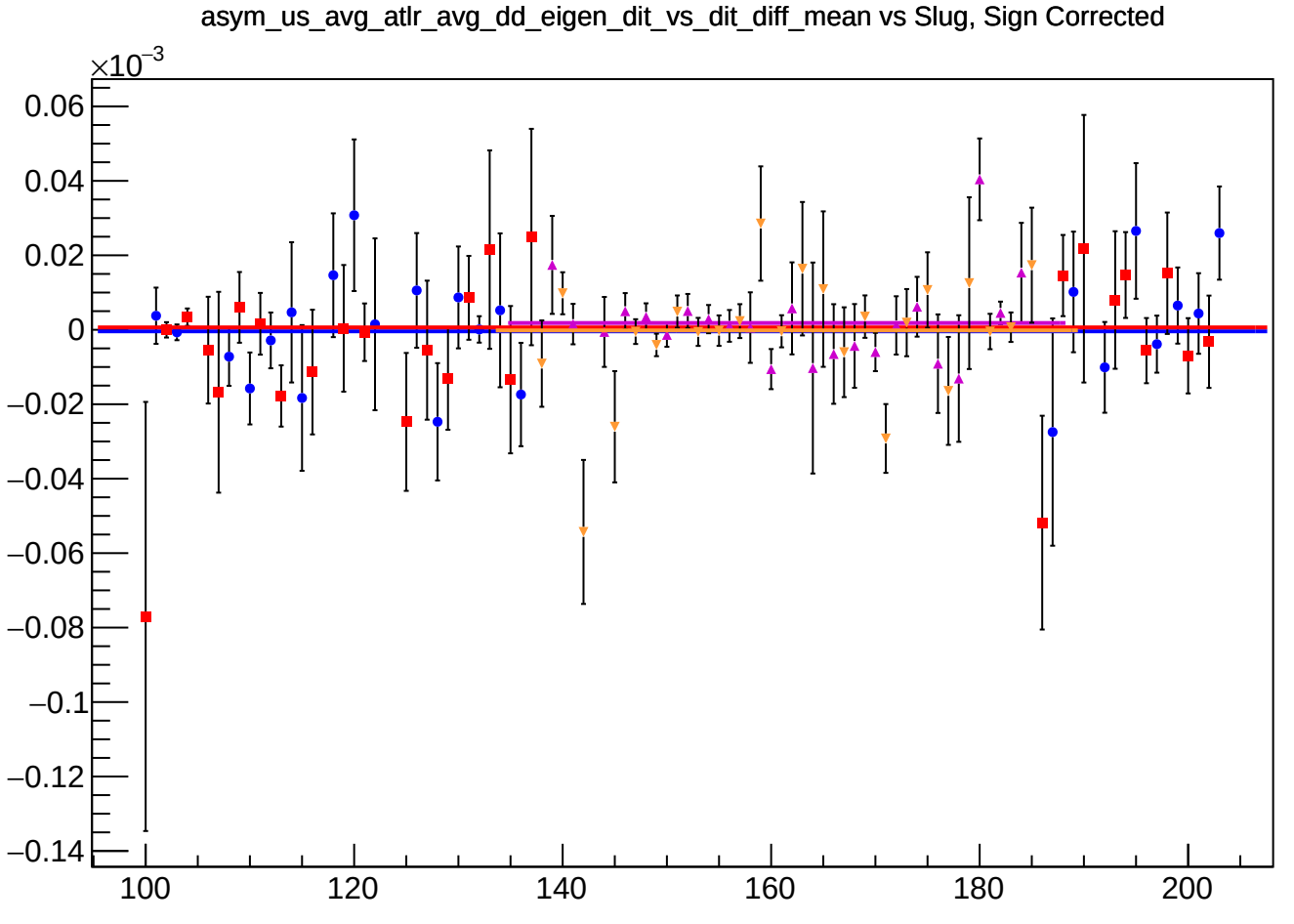
Left: 248.410+/-0.031 χ^2/NDF: 8129595.0/46

Right: 112.765+/-0.017 χ^2/NDF: 8774557.0/50

In: 164.044+/-0.023 χ^2/NDF:11387350.1/46

Out: 131.024+/-0.020 χ^2/NDF:18747885.3/50

All: 144.875+/-0.015 χ^2/NDF: 31283654.6/97



Right In: -0.000+/-0.000 χ^2/NDF: 22.0/23

Left Out: -0.000+/-0.000 χ^2/NDF:37.2/23

Right Out: 0.000+/-0.000 χ^2/NDF: 24.0/26

Left In: 0.000+/-0.000 χ^2/NDF:28.2/22

Left: 0.000+/-0.000 χ^2/NDF: 66.8/46

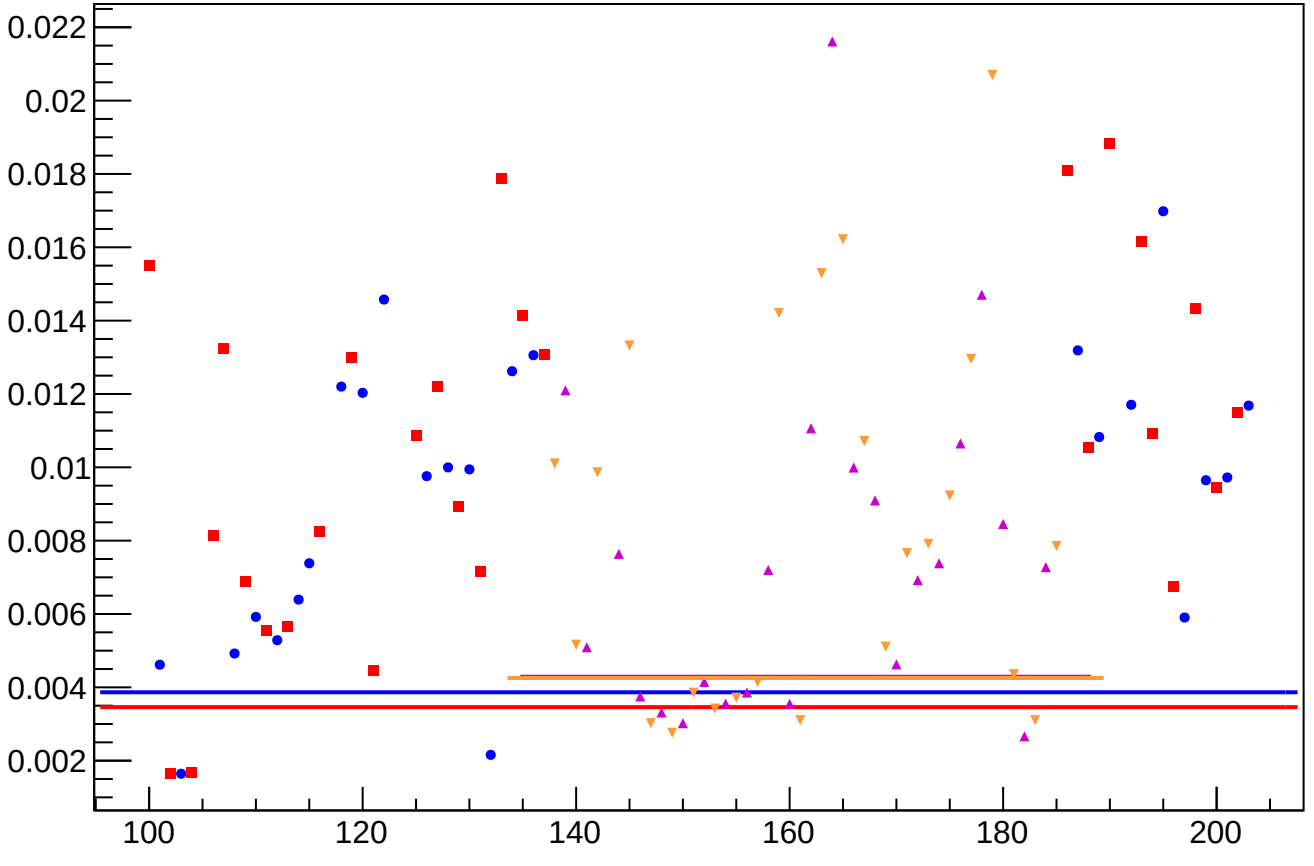
Right: 0.000+/-0.000 χ^2/NDF: 46.3/50

In: 0.000+/-0.000 χ^2/NDF:51.6/46

Out: 0.000+/-0.000 χ^2/NDF:61.4/50

All: 0.000+/-0.000 χ^2/NDF: 113.4/97

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: 11039547.0/23

Left Out: 0.004+/-0.000 χ^2/NDF:8492565.6/23

Right Out: 0.003+/-0.000 χ^2/NDF: 13489938.1/26

Left In: 0.004+/-0.000 χ^2/NDF:6598609.8/22

Left: 0.004+/-0.000 χ^2/NDF: 15092064.0/46

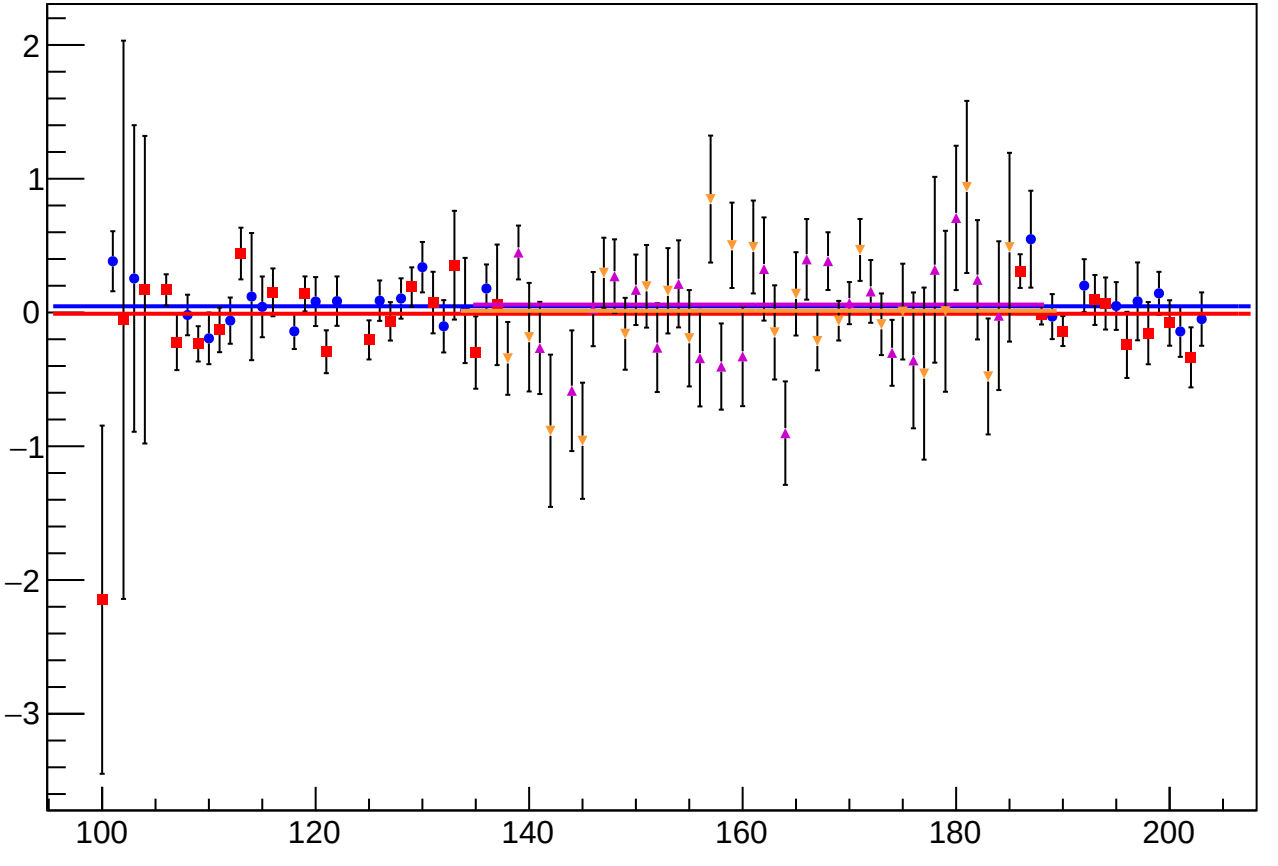
Right: 0.004+/-0.000 χ^2/NDF: 24612624.3/50

In: 0.004+/-0.000 χ^2/NDF:17738049.4/46

Out: 0.004+/-0.000 χ^2/NDF:22385773.5/50

All: 0.004+/-0.000 χ^2/NDF: 40181118.9/97

asym_us_avg_atlr_avg_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.046+/-0.039 χ^2/NDF: 14.6/23

Left Out: 0.013+/-0.063 χ^2/NDF:29.3/23

Right Out: -0.009+/-0.032 χ^2/NDF: 37.8/26

Left In: 0.059+/-0.062 χ^2/NDF:27.9/22

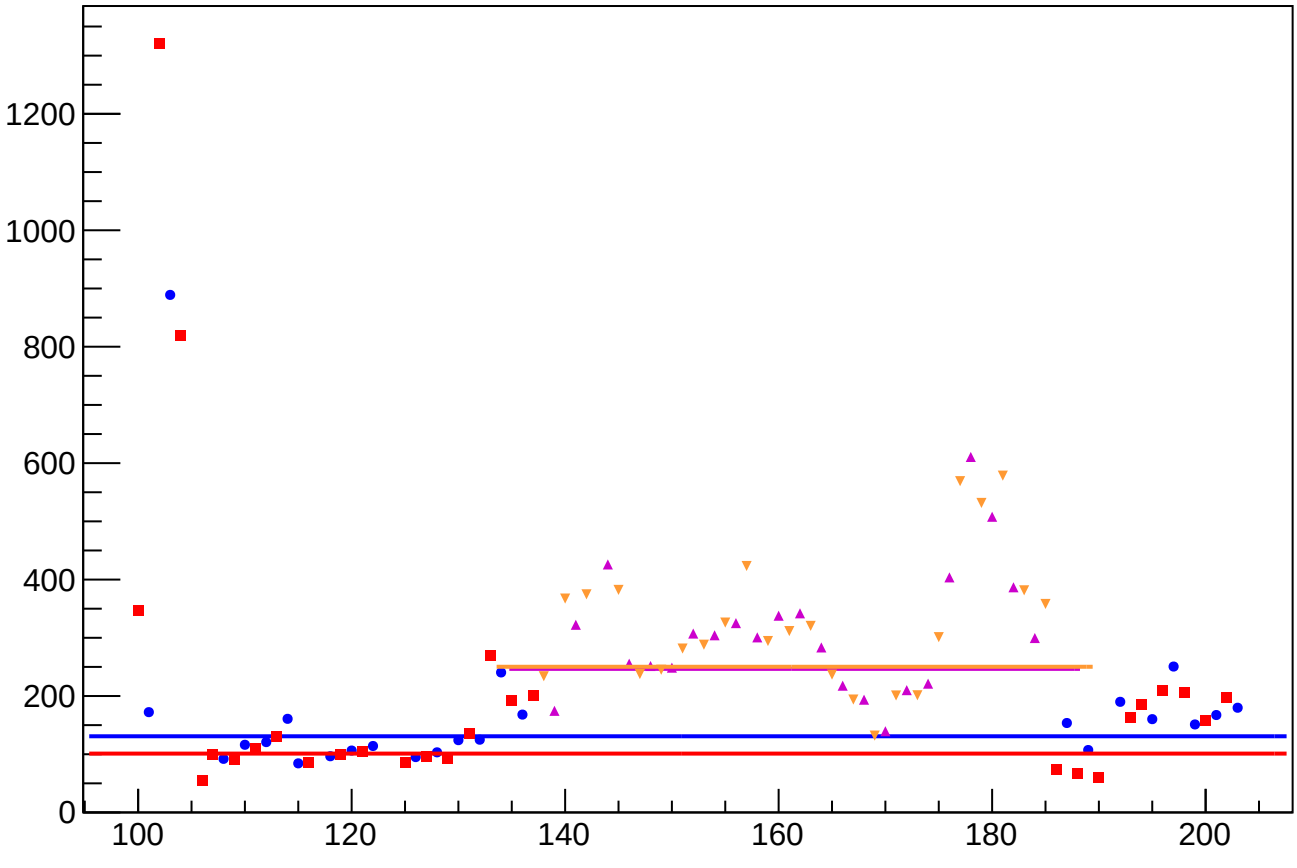
Left: 0.036+/-0.044 χ^2/NDF: 57.5/46

Right: 0.013+/-0.025 χ^2/NDF: 53.6/50

In: 0.050+/-0.033 χ^2/NDF:42.6/46

Out: -0.005+/-0.028 χ^2/NDF:67.2/50

All: 0.018+/-0.022 χ^2/NDF: 111.4/97



Right In: 130.854+/-0.028 χ^2/NDF: 2641250.9/23

Left Out: 250.248+/-0.045 χ^2/NDF:4353323.9/23

Right Out: 101.096+/-0.022 χ^2/NDF: 5437268.3/26

Left In: 246.632+/-0.044 χ^2/NDF:3773144.3/22

Left: 248.411+/-0.031 χ^2/NDF: 8129814.5/46

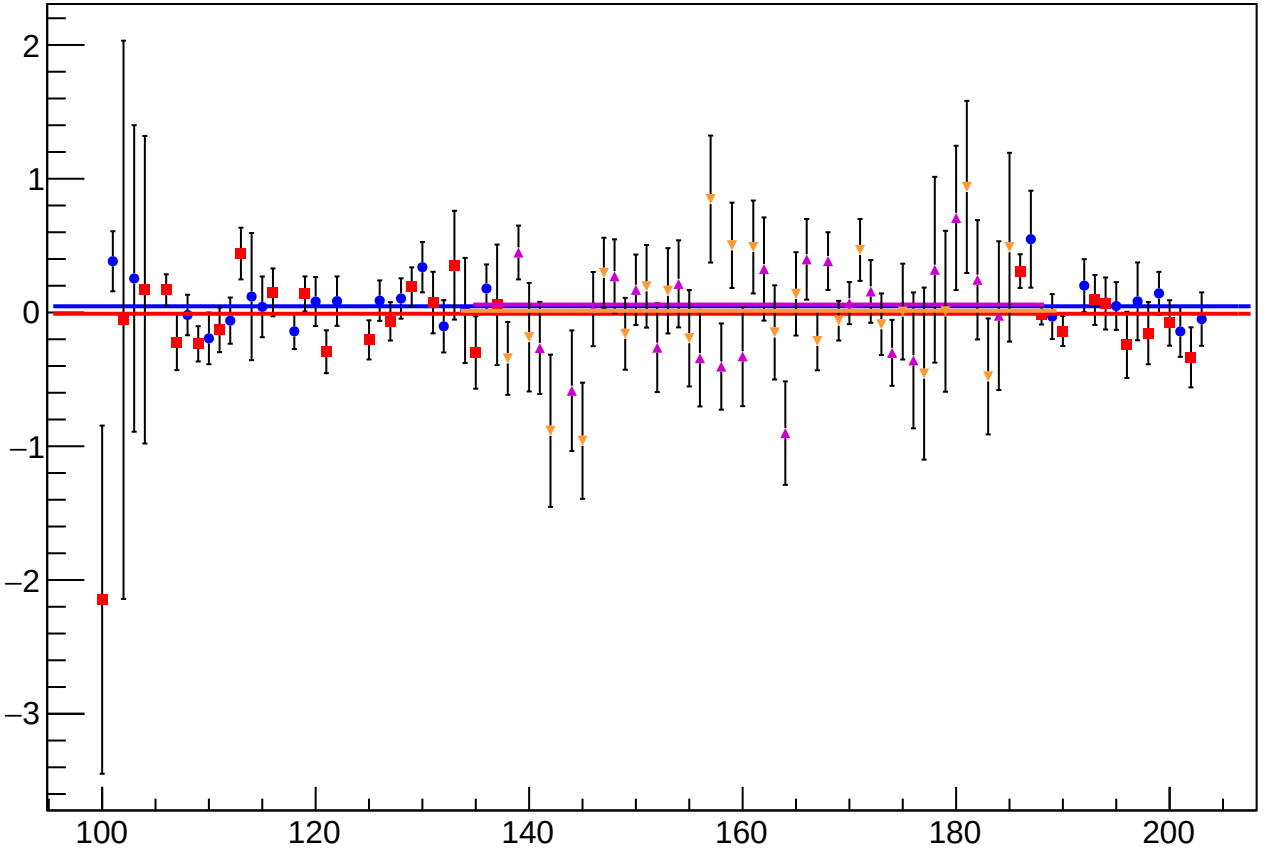
Right: 112.761+/-0.017 χ^2/NDF: 8775322.5/50

In: 164.043+/-0.023 χ^2/NDF:11387600.7/46

Out: 131.018+/-0.020 χ^2/NDF:18749233.7/50

All: 144.871+/-0.015 χ^2/NDF: 31285611.1/97

asym_us_avg_atlr_avg_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.046+/-0.039 χ^2/NDF: 14.6/23

Left Out: 0.013+/-0.063 χ^2/NDF:29.3/23

Right Out: -0.009+/-0.032 χ^2/NDF: 37.8/26

Left In: 0.059+/-0.062 χ^2/NDF:27.9/22

Left: 0.036+/-0.044 χ^2/NDF: 57.5/46

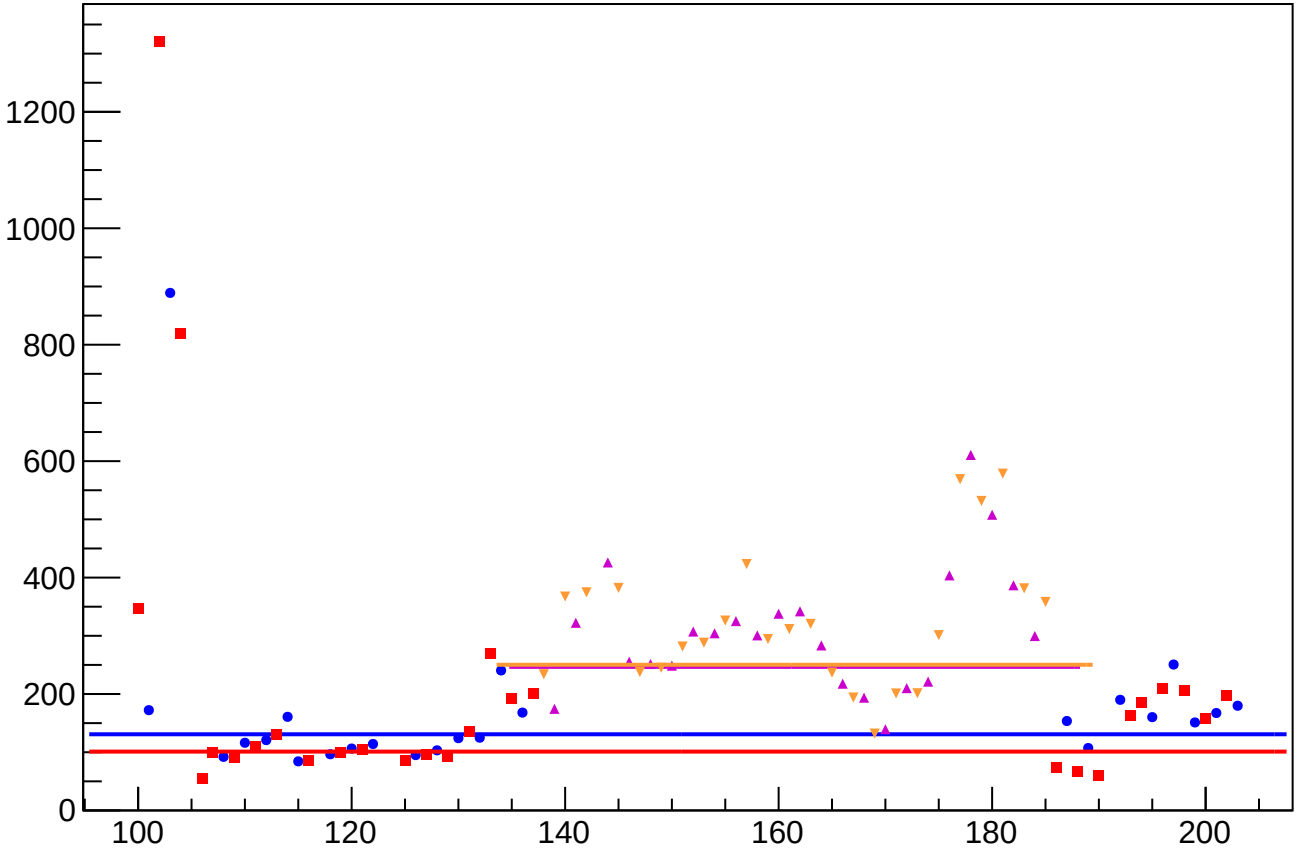
Right: 0.013+/-0.025 χ^2/NDF: 53.6/50

In: 0.050+/-0.033 χ^2/NDF:42.6/46

Out: -0.005+/-0.028 χ^2/NDF:67.2/50

All: 0.018+/-0.022 χ^2/NDF: 111.4/97

asym_us_avg_atlr_avg_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 130.854+/-0.028 χ^2/NDF: 2641250.9/23

Left Out: 250.248+/-0.045 χ^2/NDF:4353323.9/23

Right Out: 101.096+/-0.022 χ^2/NDF: 5437268.3/26

Left In: 246.632+/-0.044 χ^2/NDF:3773144.3/22

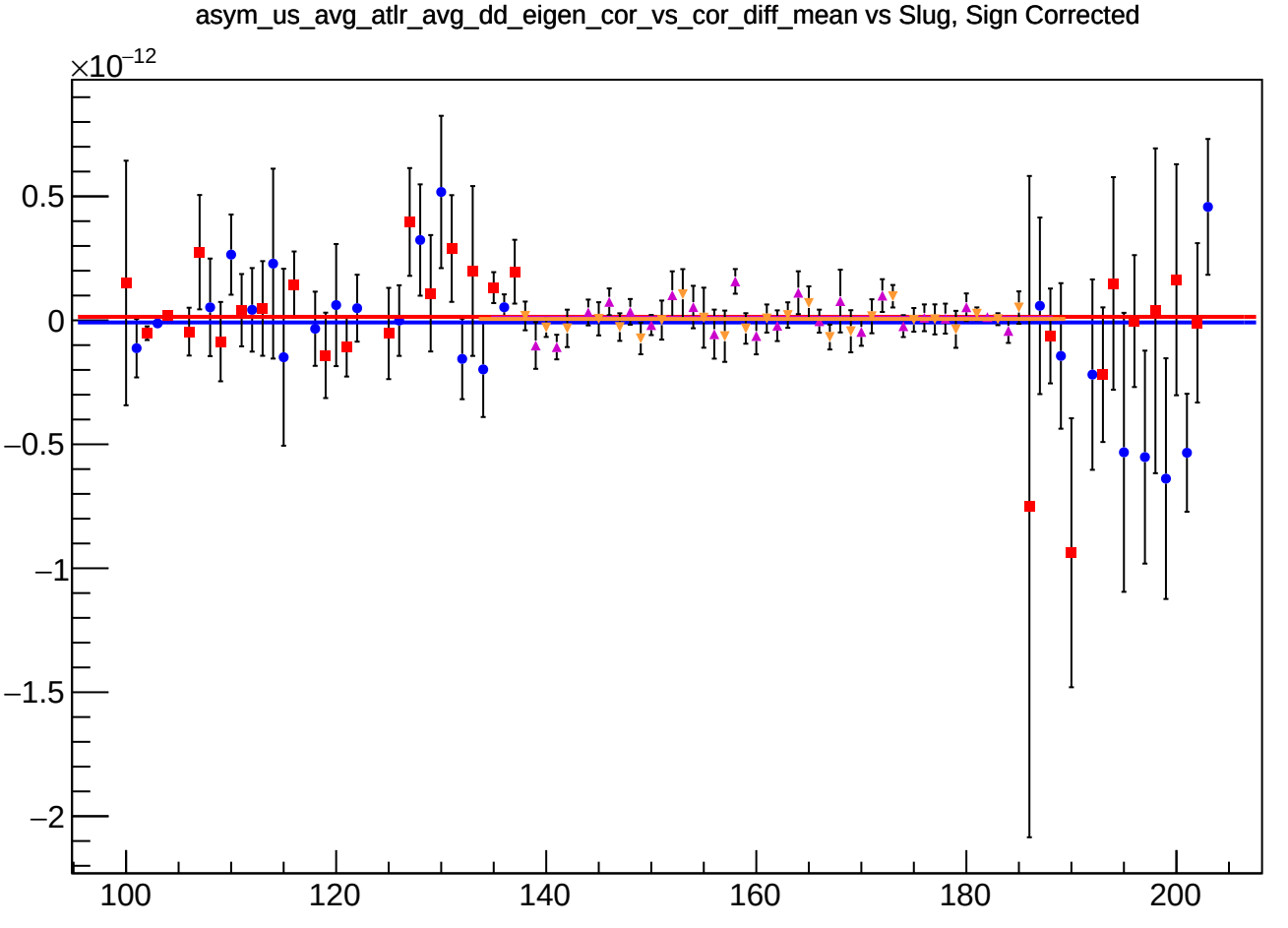
Left: 248.411+/-0.031 χ^2/NDF: 8129814.5/46

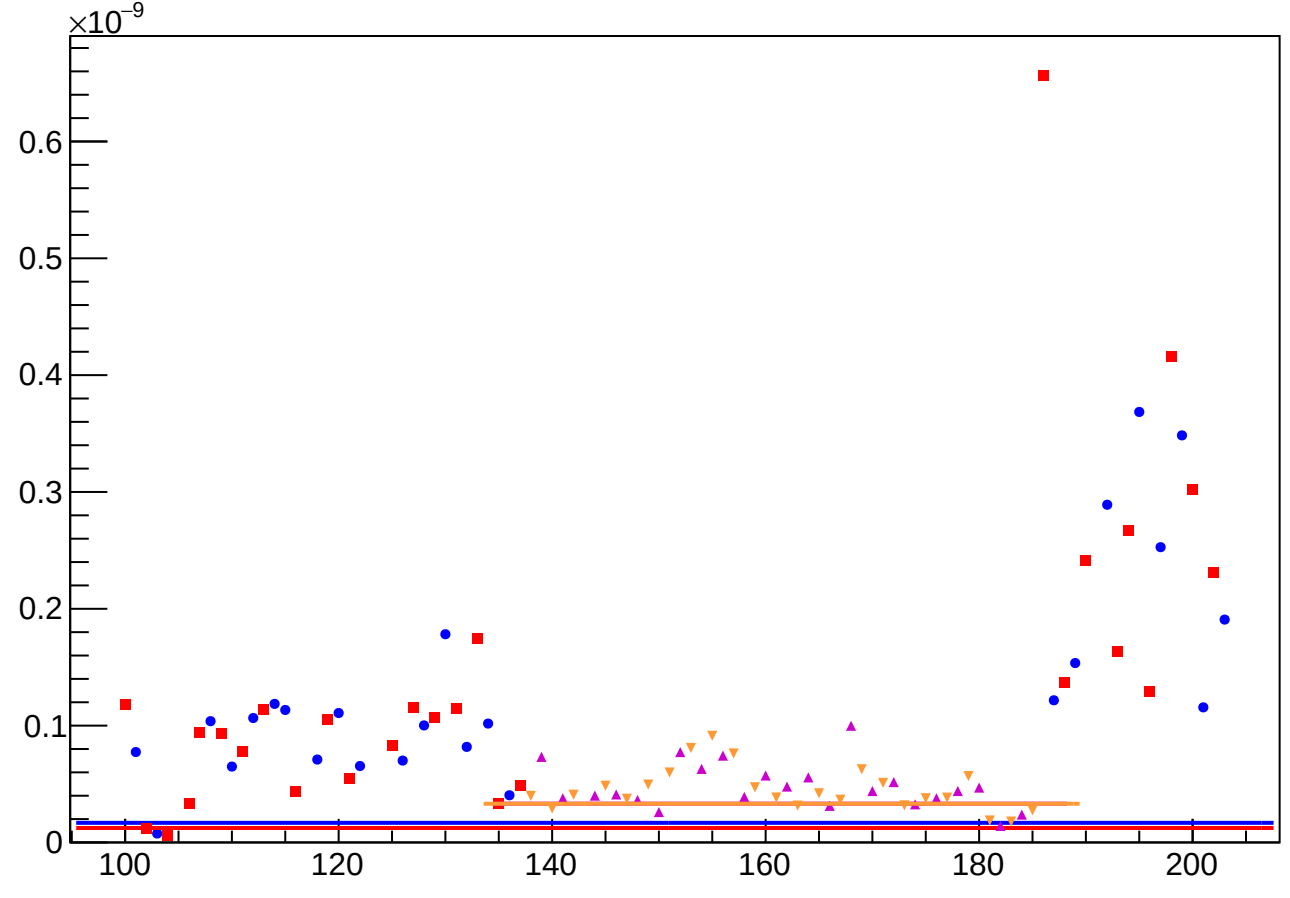
Right: 112.761+/-0.017 χ^2/NDF: 8775322.5/50

In: 164.043+/-0.023 χ^2/NDF:11387600.7/46

Out: 131.018+/-0.020 χ^2/NDF:18749233.7/50

All: 144.871+/-0.015 χ^2/NDF: 31285611.1/97


asym_us_avg_atlr_avg_dd_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
0.5
0
−0.5
−1
−1.5
−2
100
120
140
160
180
200
Right In: -0.000+/-0.000 χ²/NDF: 25.5/23
Left Out: 0.000+/-0.000 χ²/NDF:13.8/23
Right Out: 0.000+/-0.000 χ²/NDF: 26.4/26
Left In: 0.000+/-0.000 χ²/NDF:27.9/22
Left: 0.000+/-0.000 χ²/NDF: 41.8/46
Right: 0.000+/-0.000 χ²/NDF: 54.0/50
In: 0.000+/-0.000 χ²/NDF:54.8/46
Out: 0.000+/-0.000 χ²/NDF:40.6/50
All: 0.000+/-0.000 χ²/NDF: 95.9/97



Right In: 0.000+/-0.000 χ^2/NDF: 11023249.2/23

Left Out: 0.000+/-0.000 χ^2/NDF:4025318.1/23

Right Out: 0.000+/-0.000 χ^2/NDF: 11744224.6/26

Left In: 0.000+/-0.000 χ^2/NDF:5018453.7/22

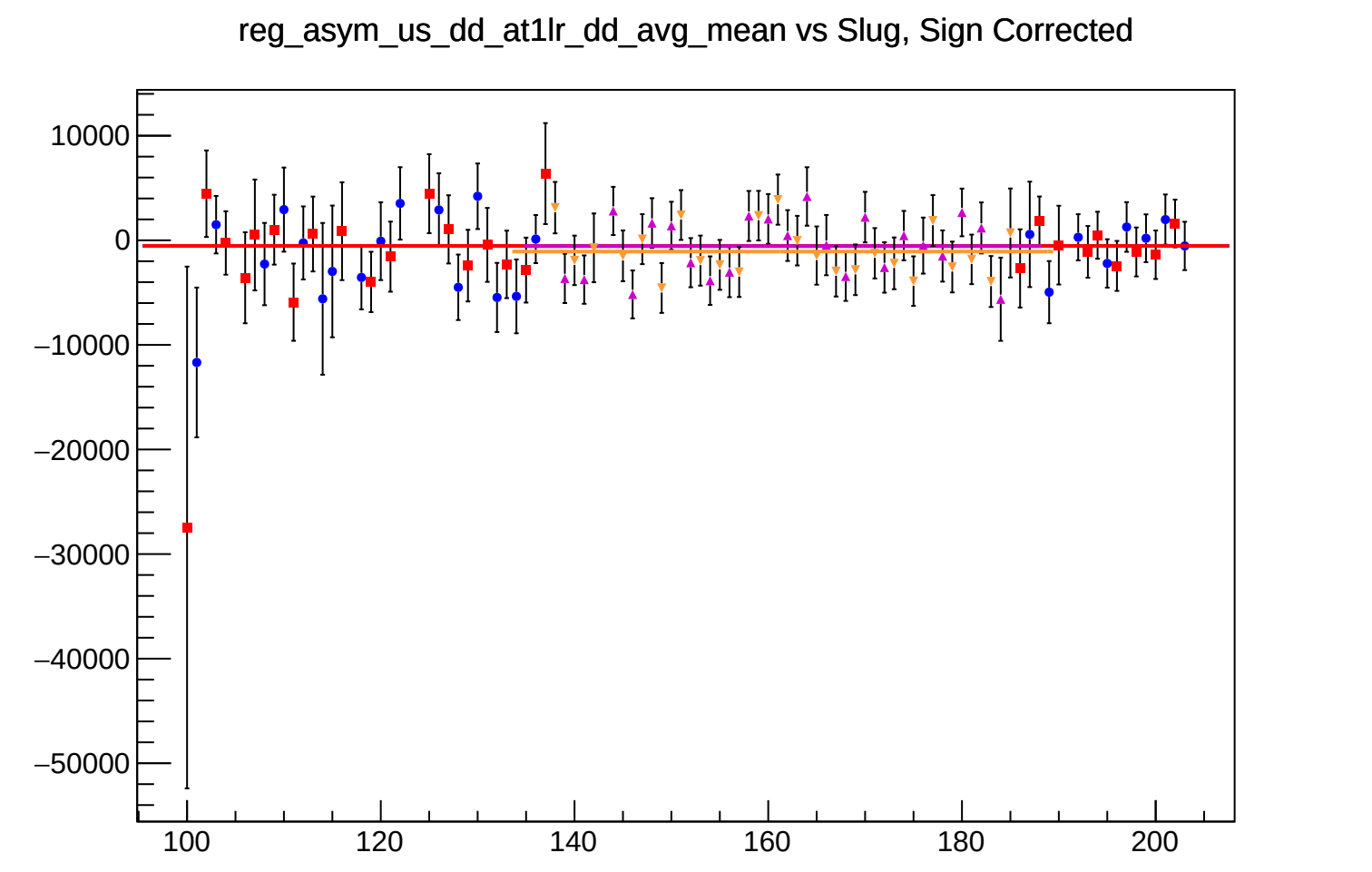
Left: 0.000+/-0.000 χ^2/NDF: 9043794.9/46

Right: 0.000+/-0.000 χ^2/NDF: 22923316.7/50

In: 0.000+/-0.000 χ^2/NDF:18088720.0/46

Out: 0.000+/-0.000 χ^2/NDF:19958106.5/50

All: 0.000+/-0.000 χ^2/NDF: 38360535.5/97



Right In: -532.027+/-621.579 χ^2/NDF: 20.7/23

Left Out: -1072.863+/-505.534 χ^2/NDF:21.6/23

Right Out: -538.038+/-603.206 χ^2/NDF: 15.8/26

Left In: -557.052+/-509.208 χ^2/NDF:28.7/22

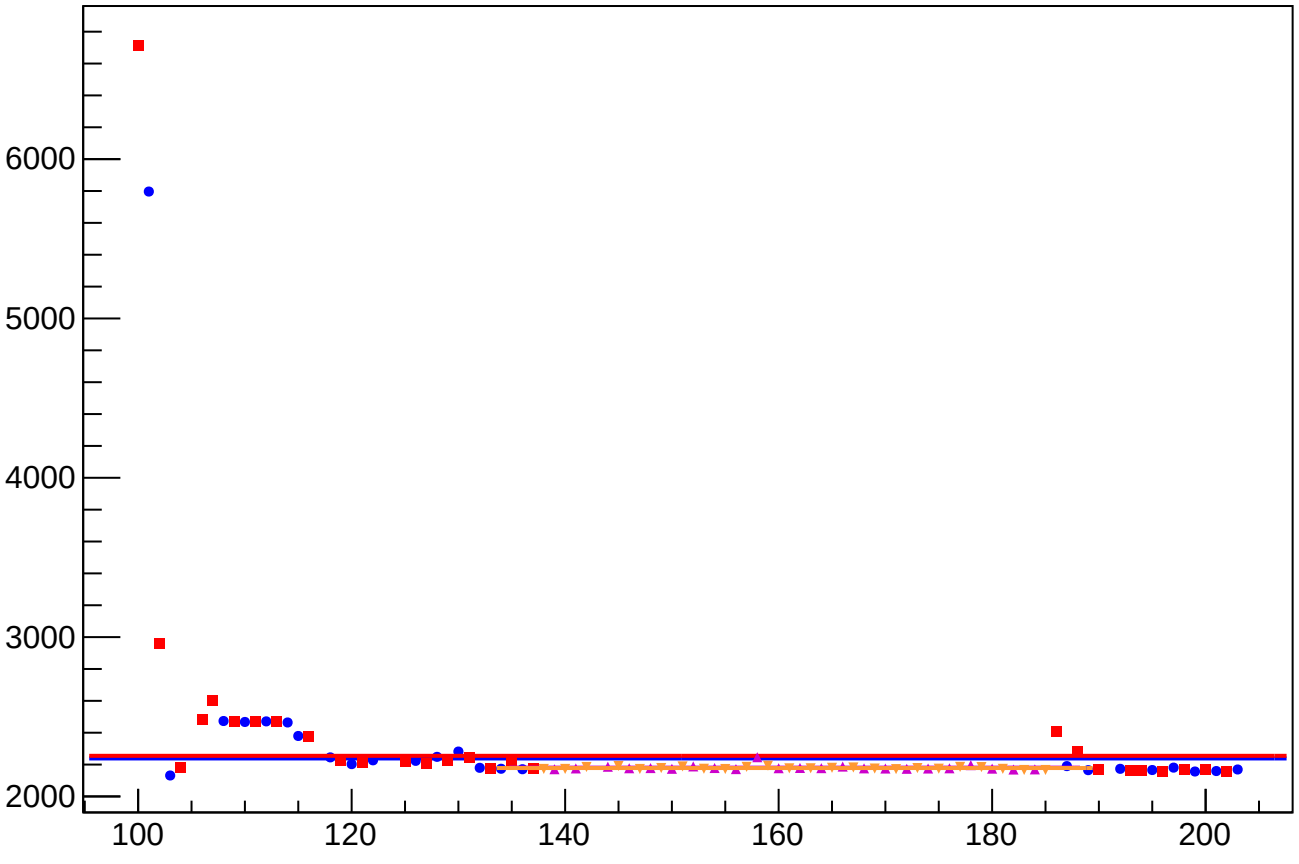
Left: -816.825+/-358.759 χ^2/NDF: 50.8/46

Right: -535.123+/-432.881 χ^2/NDF: 36.4/50

In: -547.002+/-393.905 χ^2/NDF:49.3/46

Out: -852.201+/-387.456 χ^2/NDF:37.8/50

All: -702.121+/-276.225 χ^2/NDF: 87.4/97



Right In: 2238.357+/-0.440 χ^2/NDF: 539199.2/23

Left Out: 2178.244+/-0.357 χ^2/NDF:389.1/23

Right Out: 2254.971+/-0.427 χ^2/NDF: 186949.5/26

Left In: 2180.919+/-0.360 χ^2/NDF:1866.2/22

Left: 2179.572+/-0.254 χ^2/NDF: 2283.2/46

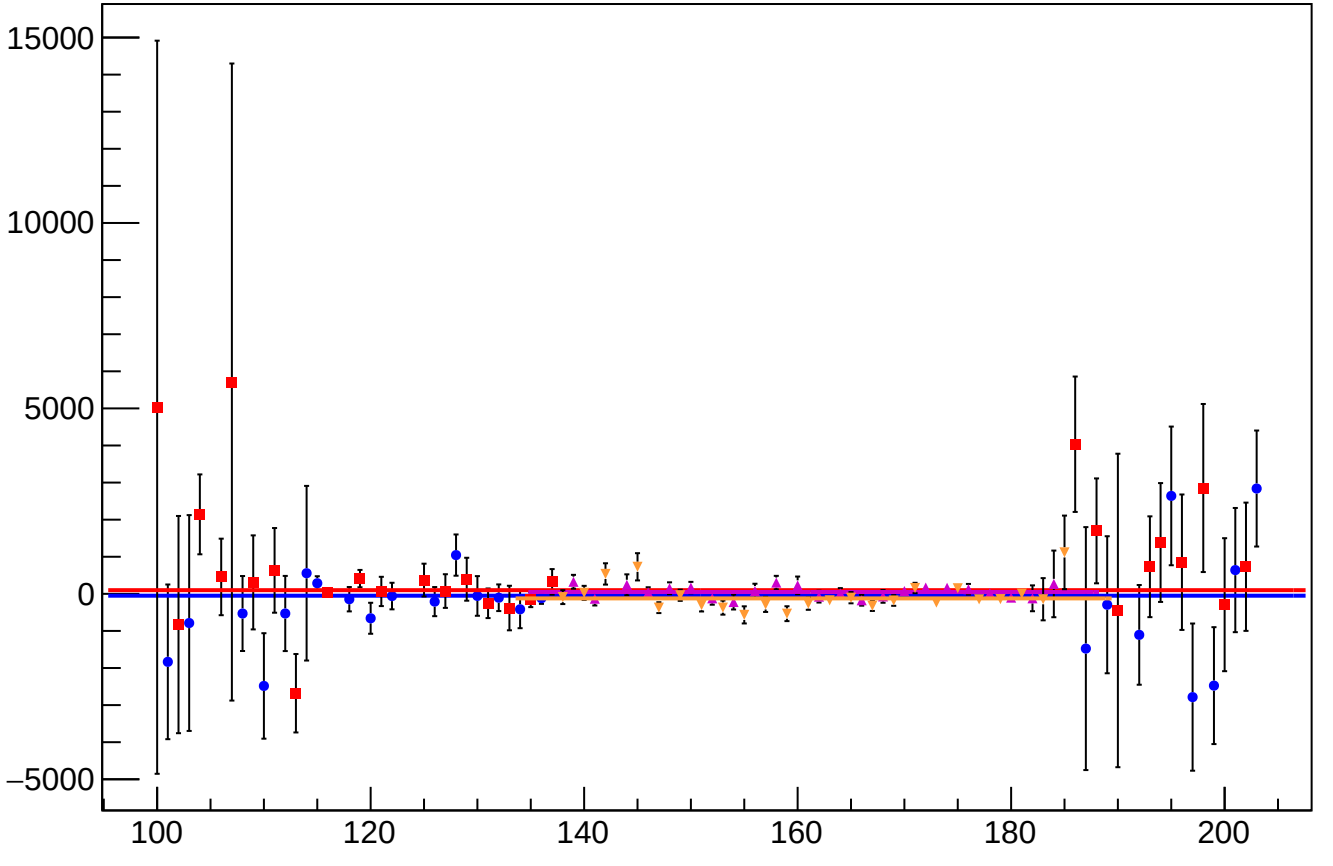
Right: 2246.913+/-0.306 χ^2/NDF: 726884.6/50

In: 2203.986+/-0.279 χ^2/NDF:551285.1/46

Out: 2209.901+/-0.274 χ^2/NDF:206346.6/50

All: 2206.992+/-0.195 χ^2/NDF: 757860.9/97

asym_us_dd_at1lr_dd_avg_reg_correction_mean vs Slug, Sign Corrected



Right In: -50.095+/-89.936 χ^2/NDF: 25.1/23

Left Out: -123.007+/-31.408 χ^2/NDF:43.8/23

Right Out: 98.937+/-81.577 χ^2/NDF: 26.4/26

Left In: 50.317+/-32.545 χ^2/NDF:18.2/22

Left: -39.426+/-22.600 χ^2/NDF: 76.7/46

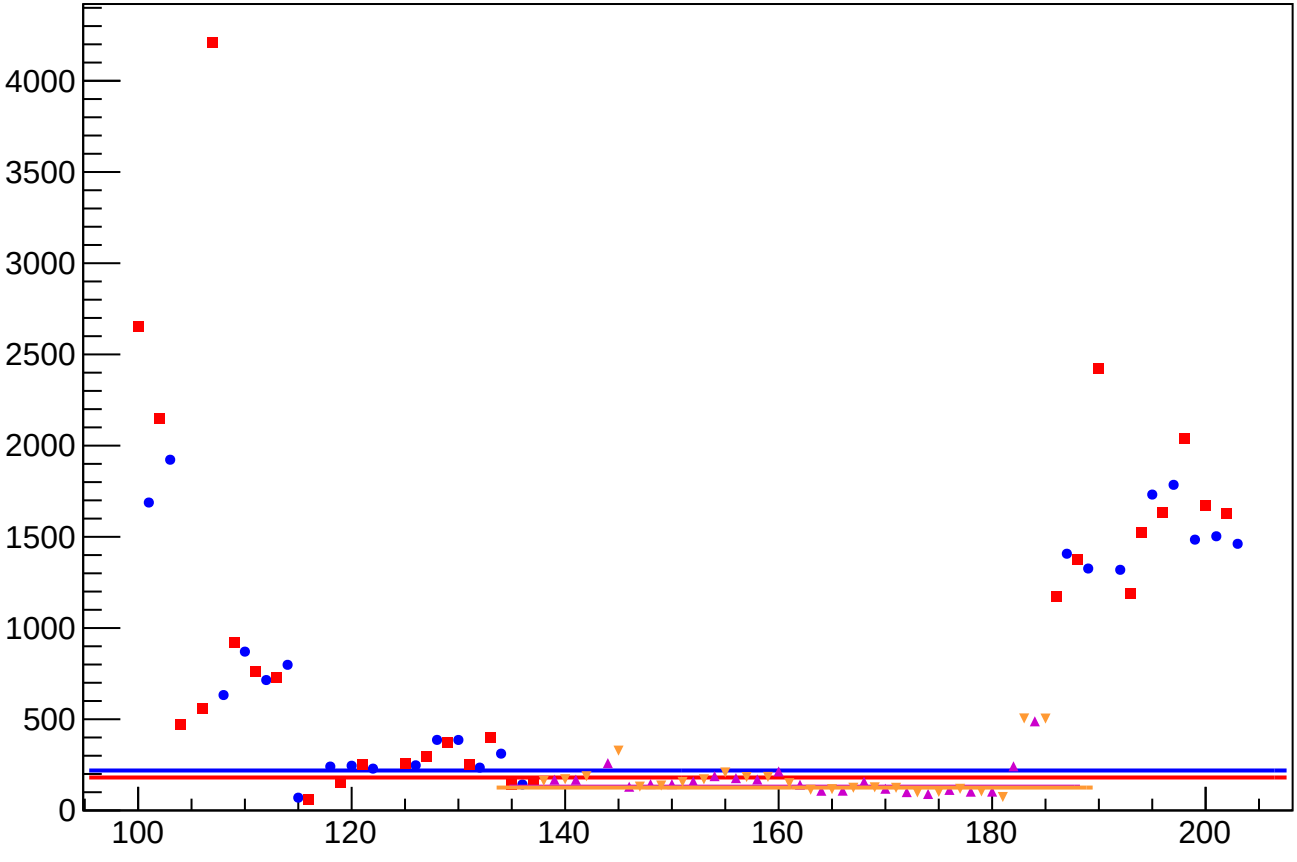
Right: 31.666+/-60.423 χ^2/NDF: 53.0/50

In: 38.690+/-30.603 χ^2/NDF:44.5/46

Out: -94.355+/-29.311 χ^2/NDF:76.6/50

All: -30.701+/-21.168 χ^2/NDF: 130.9/97

asym_us_dd_at1lr_dd_avg_reg_correction_rms vs Slug, Sign Corrected



Right In: 219.066+/-0.064 χ^2/NDF: 13853839.6/23

Left Out: 125.506+/-0.022 χ^2/NDF:3942746.1/23

Right Out: 180.711+/-0.058 χ^2/NDF: 16841673.3/26

Left In: 130.436+/-0.023 χ^2/NDF:2679692.6/22

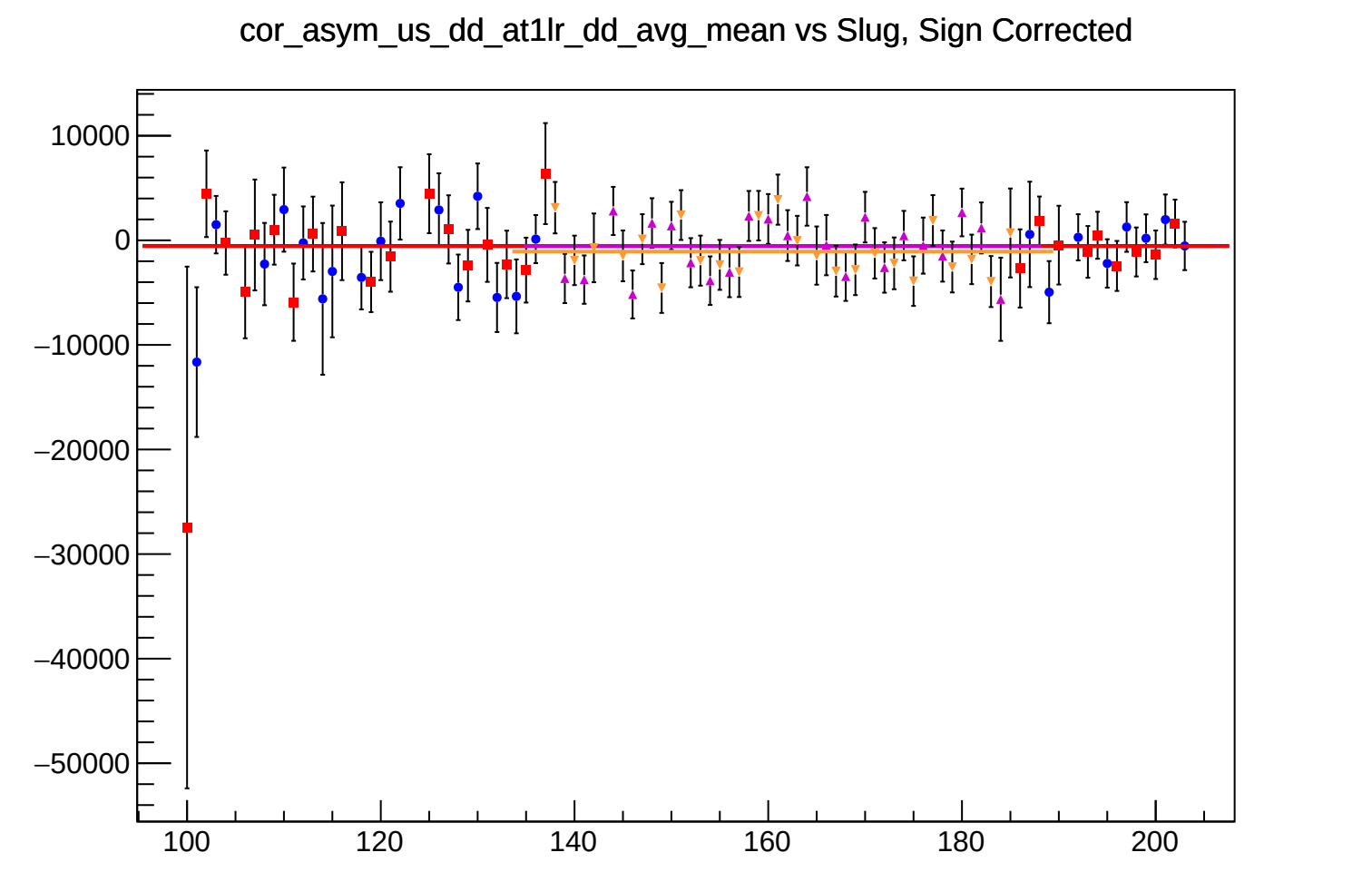
Left: 127.884+/-0.016 χ^2/NDF: 6646201.0/46

Right: 198.024+/-0.043 χ^2/NDF: 30895079.8/50

In: 140.698+/-0.022 χ^2/NDF:18250990.8/46

Out: 132.633+/-0.021 χ^2/NDF:21582072.3/50

All: 136.492+/-0.015 χ^2/NDF: 39905517.8/97



Right In: -531.518+/-621.579 χ^2/NDF: 20.6/23

Left Out: -1072.795+/-505.534 χ^2/NDF:21.6/23

Right Out: -560.514+/-603.446 χ^2/NDF: 16.2/26

Left In: -557.079+/-509.208 χ^2/NDF:28.7/22

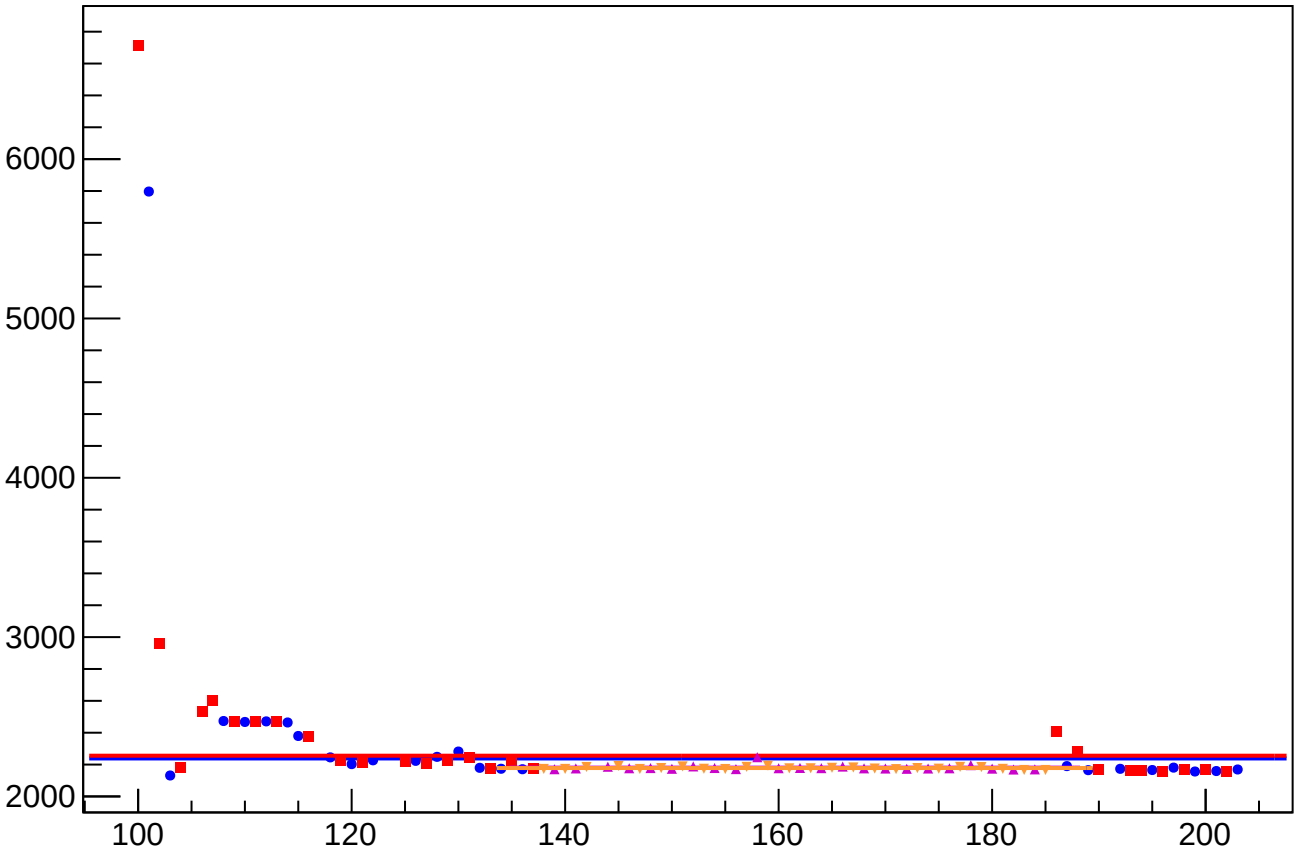
Left: -816.804+/-358.759 χ^2/NDF: 50.8/46

Right: -546.445+/-432.970 χ^2/NDF: 36.9/50

In: -546.814+/-393.905 χ^2/NDF:49.3/46

Out: -861.534+/-387.520 χ^2/NDF:38.2/50

All: -706.745+/-276.248 χ^2/NDF: 87.9/97



Right In: 2238.357+/-0.440 χ^2/NDF: 539199.5/23

Left Out: 2178.244+/-0.357 χ^2/NDF:389.1/23

Right Out: 2255.723+/-0.427 χ^2/NDF: 189327.8/26

Left In: 2180.919+/-0.360 χ^2/NDF:1866.2/22

Left: 2179.572+/-0.254 χ^2/NDF: 2283.1/46

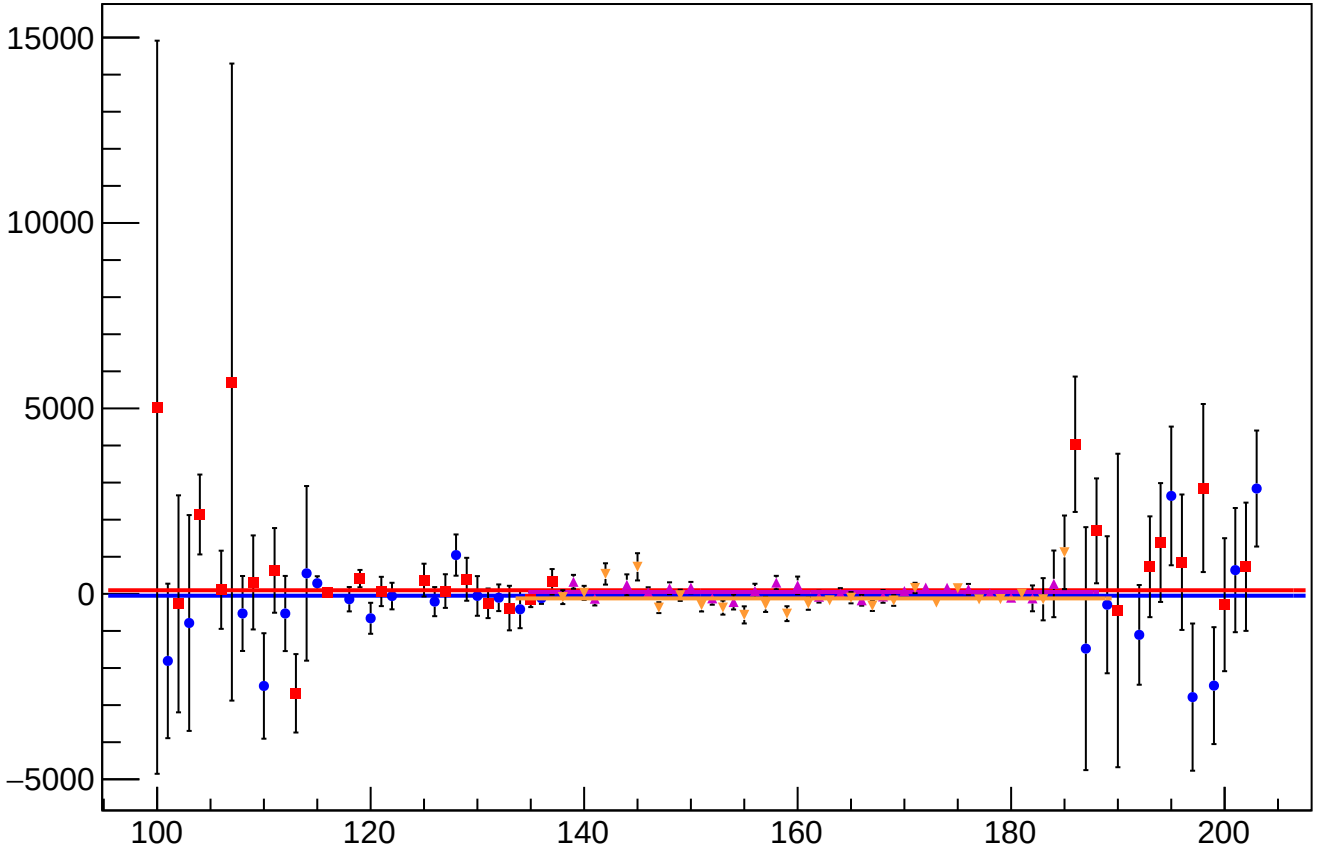
Right: 2247.297+/-0.306 χ^2/NDF: 729331.1/50

In: 2203.986+/-0.279 χ^2/NDF:551285.4/46

Out: 2210.196+/-0.274 χ^2/NDF:209090.5/50

All: 2207.142+/-0.195 χ^2/NDF: 760628.5/97

asym_us_dd_at1lr_dd_avg_cor_correction_mean vs Slug, Sign Corrected



Right In: -50.127+/-89.941 χ^2/NDF: 25.1/23

Left Out: -122.928+/-31.408 χ^2/NDF:43.8/23

Right Out: 96.939+/-81.517 χ^2/NDF: 26.1/26

Left In: 50.209+/-32.548 χ^2/NDF:18.3/22

Left: -39.445+/-22.601 χ^2/NDF: 76.7/46

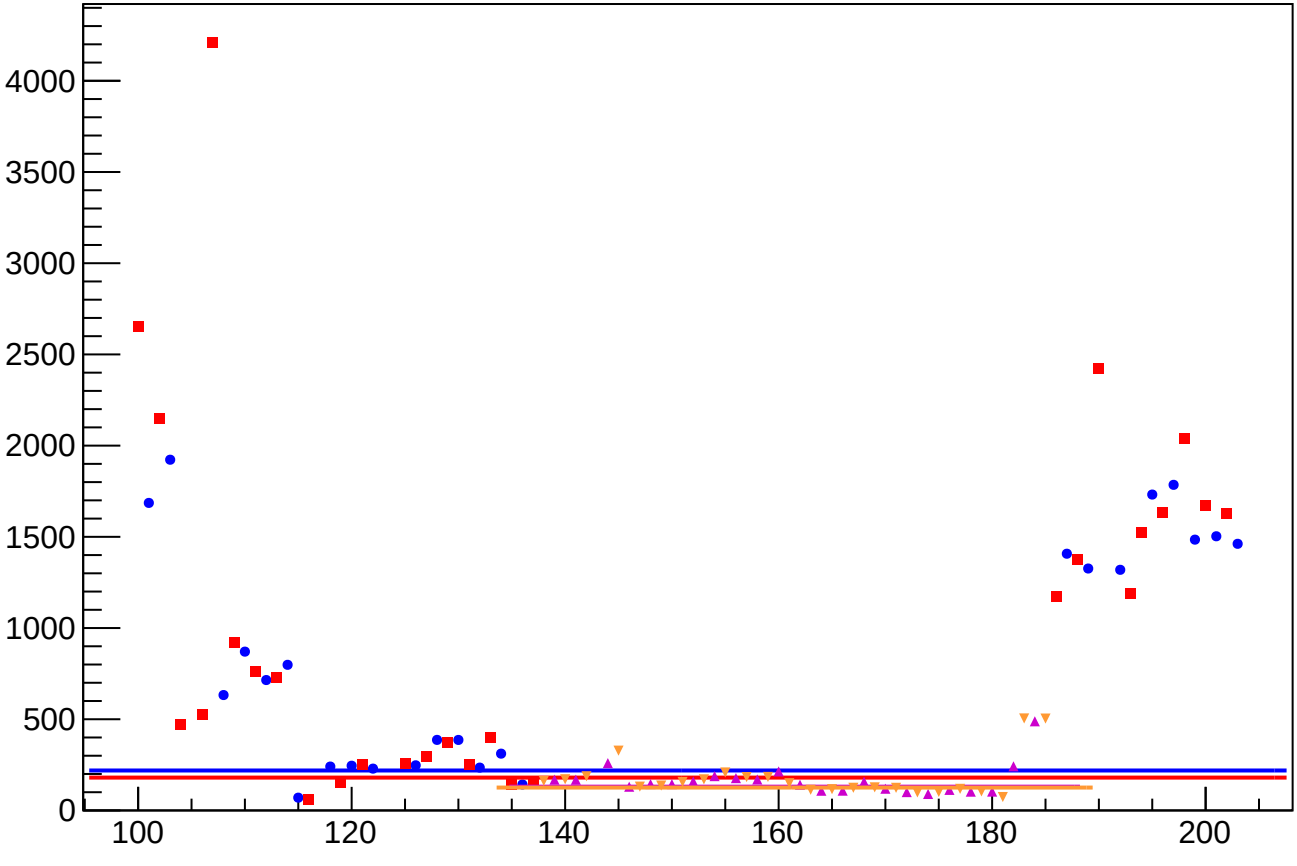
Right: 30.614+/-60.401 χ^2/NDF: 52.7/50

In: 38.591+/-30.606 χ^2/NDF:44.5/46

Out: -94.508+/-29.308 χ^2/NDF:76.3/50

All: -30.840+/-21.168 χ^2/NDF: 130.6/97

asym_us_dd_at1lr_dd_avg_cor_correction_rms vs Slug, Sign Corrected



Right In: 219.093+/-0.064 χ^2/NDF: 13852368.6/23

Left Out: 125.503+/-0.022 χ^2/NDF:3943570.9/23

Right Out: 180.128+/-0.058 χ^2/NDF: 16804829.5/26

Left In: 130.451+/-0.023 χ^2/NDF:2679365.4/22

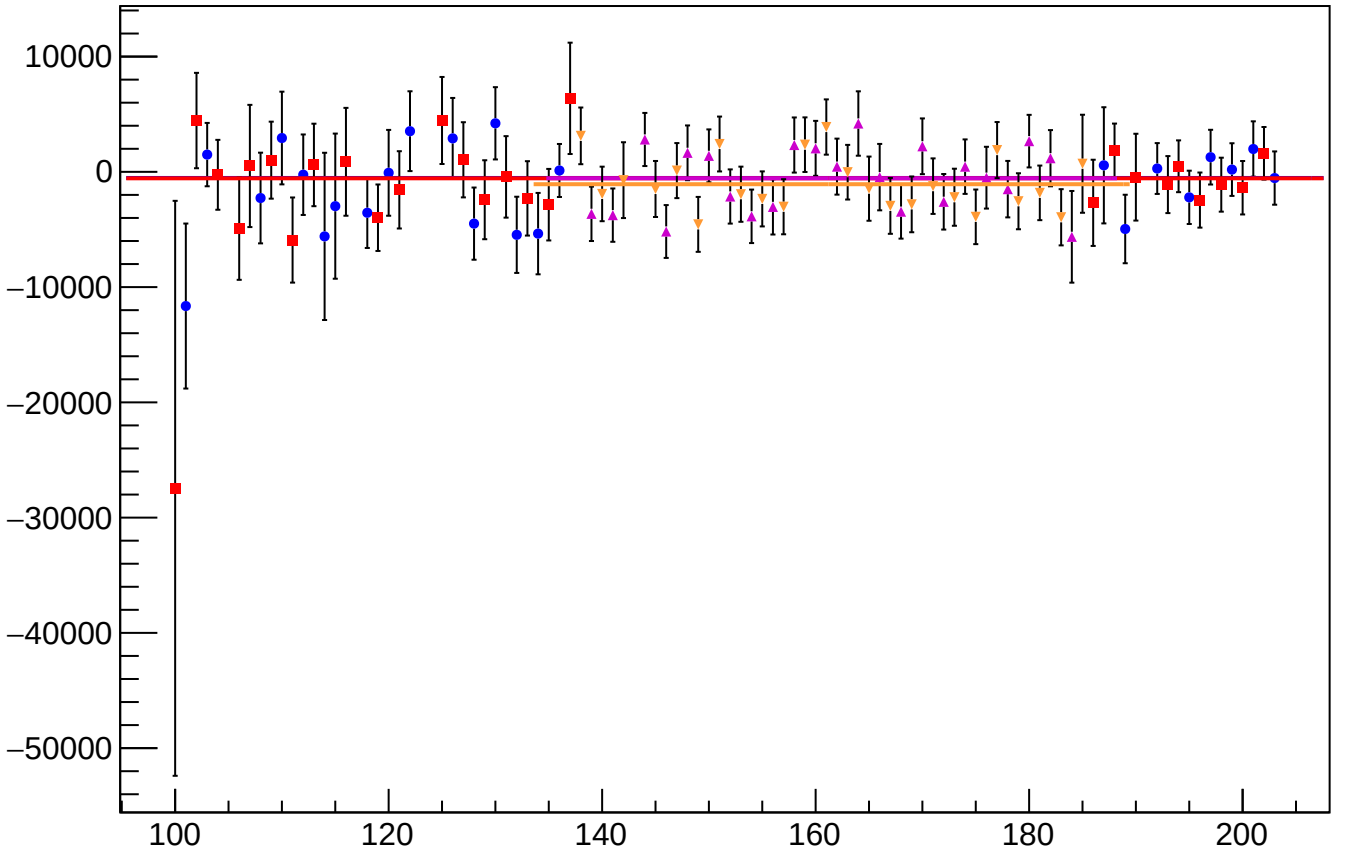
Left: 127.889+/-0.016 χ^2/NDF: 6646874.7/46

Right: 197.701+/-0.043 χ^2/NDF: 30863286.6/50

In: 140.715+/-0.022 χ^2/NDF:18249452.5/46

Out: 132.563+/-0.021 χ^2/NDF:21530406.9/50

All: 136.463+/-0.015 χ^2/NDF: 39853873.2/97



Right In: -531.518+/-621.579 χ^2/NDF: 20.6/23

Left Out: -1072.795+/-505.534 χ^2/NDF:21.6/23

Right Out: -560.514+/-603.446 χ^2/NDF: 16.2/26

Left In: -557.079+/-509.208 χ^2/NDF:28.7/22

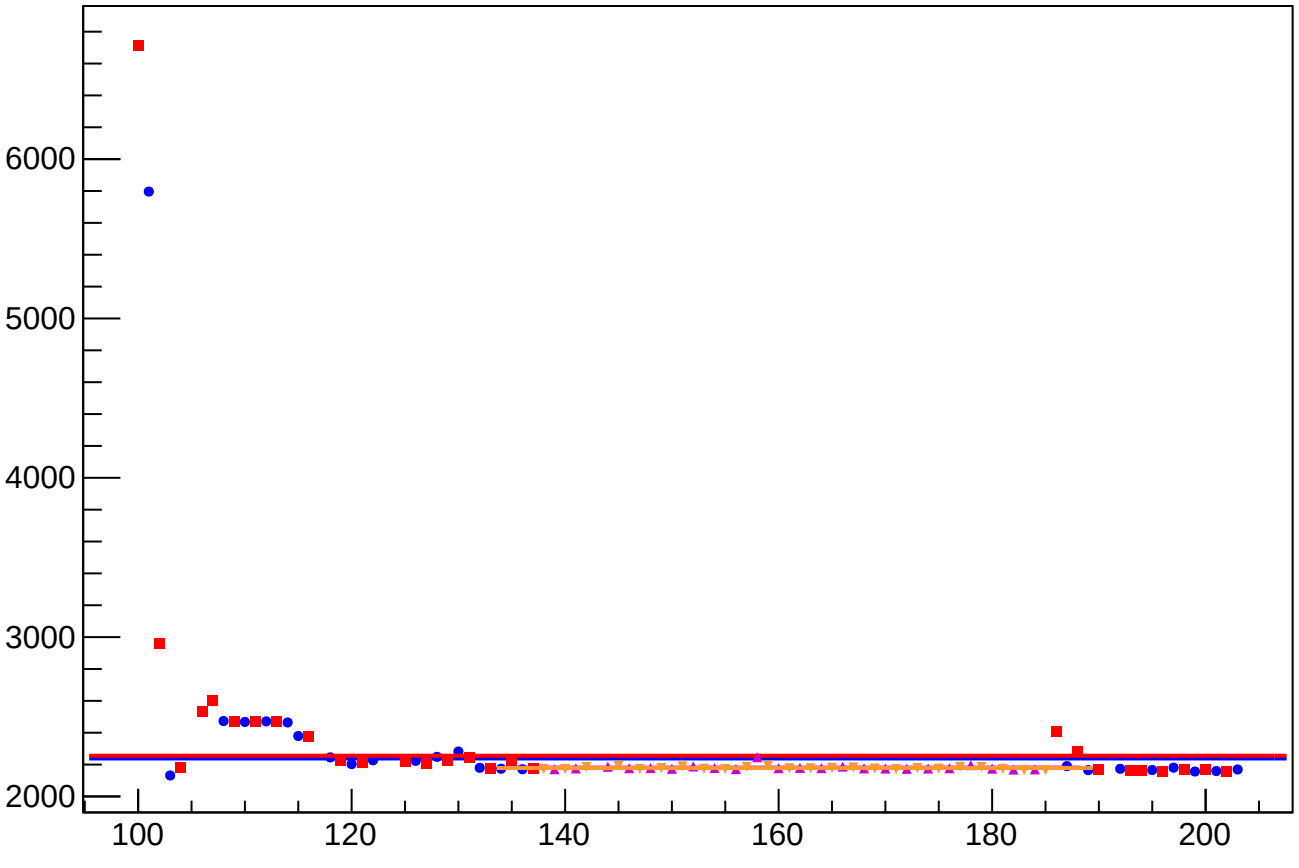
Left: -816.804+/-358.759 χ^2/NDF: 50.8/46

Right: -546.445+/-432.970 χ^2/NDF: 36.9/50

In: -546.814+/-393.905 χ^2/NDF:49.3/46

Out: -861.534+/-387.520 χ^2/NDF:38.2/50

All: -706.745+/-276.248 χ^2/NDF: 87.9/97



Right In: 2238.357+/-0.440 χ^2/NDF: 539199.5/23

Left Out: 2178.244+/-0.357 χ^2/NDF:389.1/23

Right Out: 2255.723+/-0.427 χ^2/NDF: 189327.8/26

Left In: 2180.919+/-0.360 χ^2/NDF:1866.2/22

Left: 2179.572+/-0.254 χ^2/NDF: 2283.1/46

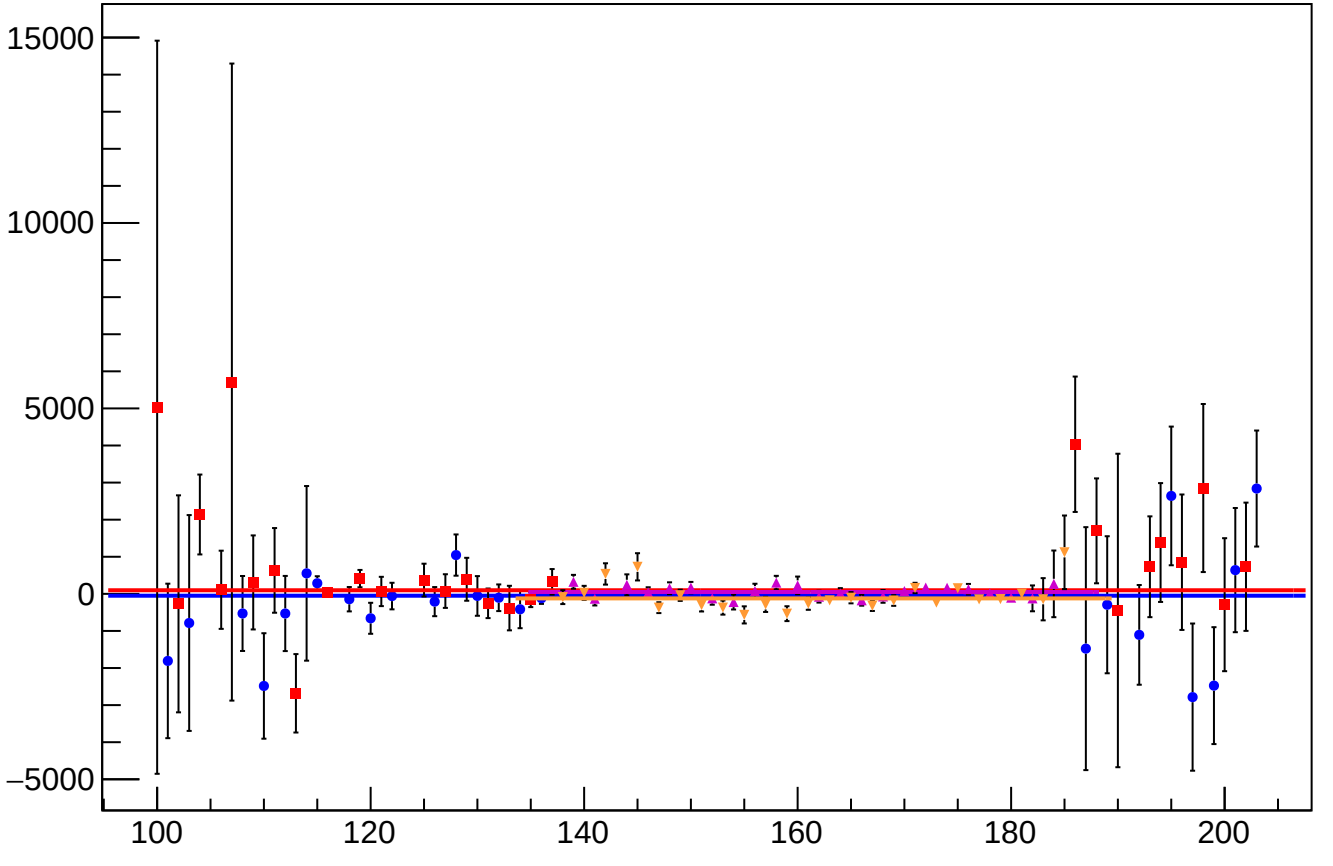
Right: 2247.297+/-0.306 χ^2/NDF: 729331.1/50

In: 2203.986+/-0.279 χ^2/NDF:551285.4/46

Out: 2210.196+/-0.274 χ^2/NDF:209090.5/50

All: 2207.142+/-0.195 χ^2/NDF: 760628.5/97

asym_us_dd_at1lr_dd_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -50.127+/-89.941 χ^2/NDF: 25.1/23

Left Out: -122.928+/-31.408 χ^2/NDF:43.8/23

Right Out: 96.939+/-81.517 χ^2/NDF: 26.1/26

Left In: 50.209+/-32.548 χ^2/NDF:18.3/22

Left: -39.445+/-22.601 χ^2/NDF: 76.7/46

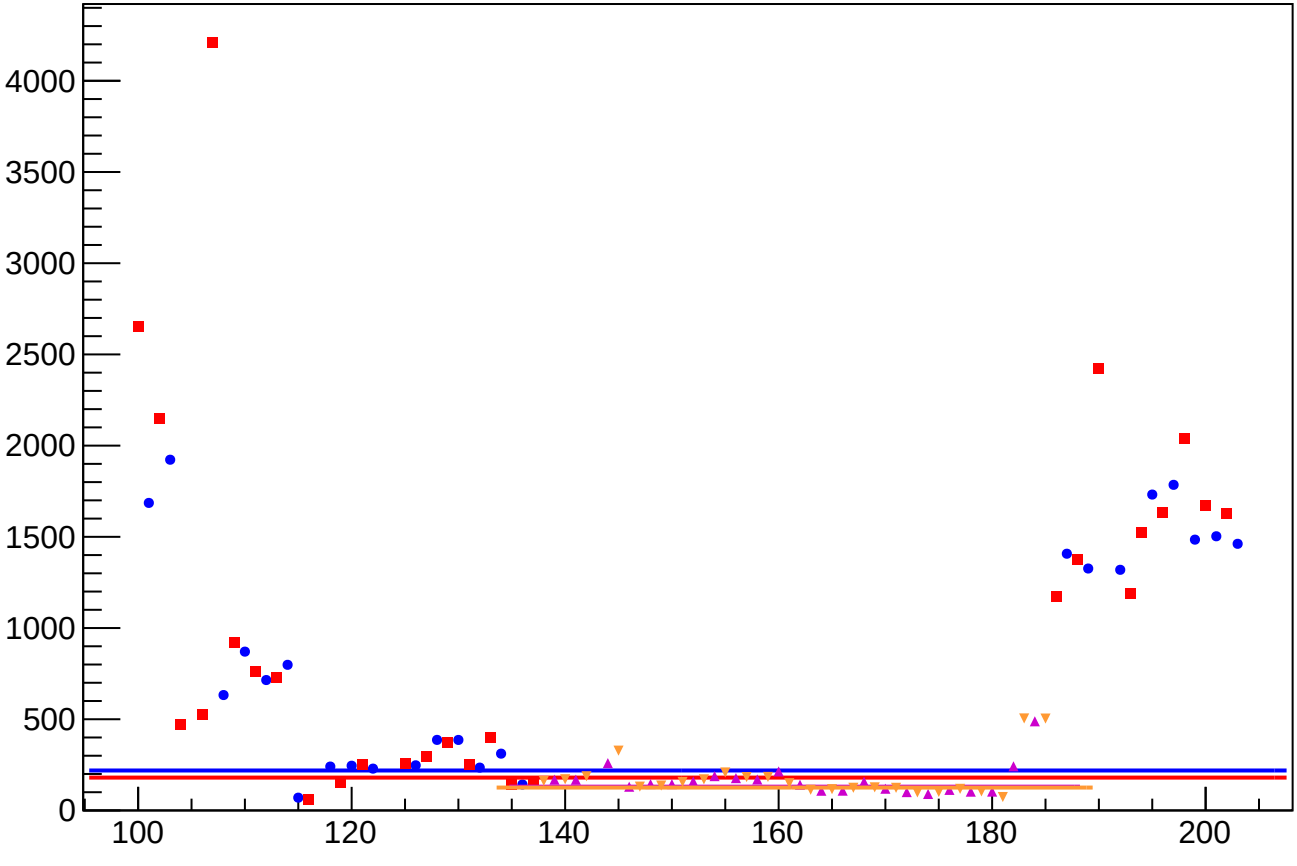
Right: 30.614+/-60.401 χ^2/NDF: 52.7/50

In: 38.591+/-30.606 χ^2/NDF:44.5/46

Out: -94.508+/-29.308 χ^2/NDF:76.3/50

All: -30.840+/-21.168 χ^2/NDF: 130.6/97

asym_us_dd_at1lr_dd_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 219.093+/-0.064 χ^2/NDF: 13852368.6/23

Left Out: 125.503+/-0.022 χ^2/NDF:3943570.9/23

Right Out: 180.128+/-0.058 χ^2/NDF: 16804829.5/26

Left In: 130.451+/-0.023 χ^2/NDF:2679365.4/22

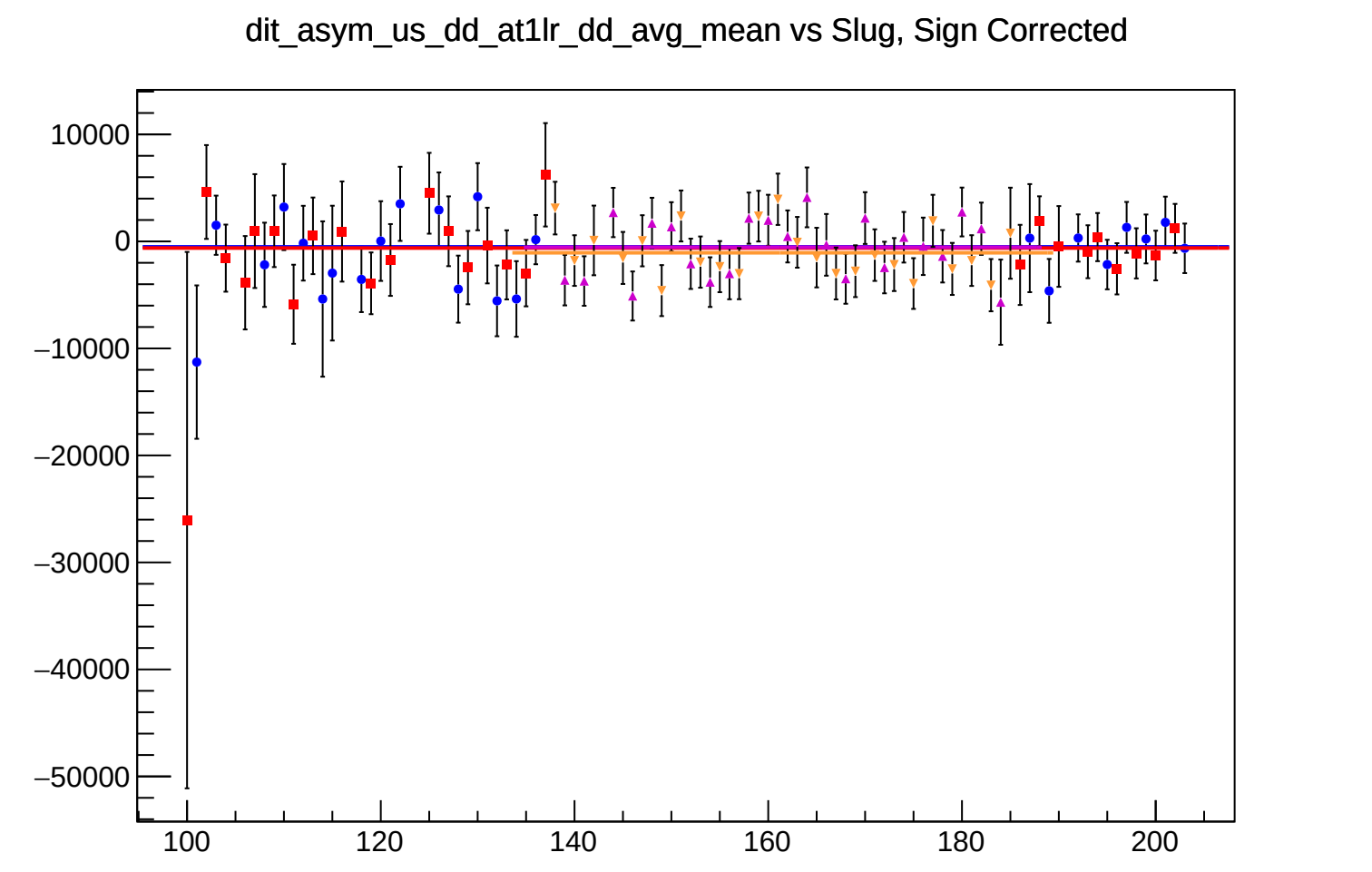
Left: 127.889+/-0.016 χ^2/NDF: 6646874.7/46

Right: 197.701+/-0.043 χ^2/NDF: 30863286.6/50

In: 140.715+/-0.022 χ^2/NDF:18249452.5/46

Out: 132.563+/-0.021 χ^2/NDF:21530406.9/50

All: 136.463+/-0.015 χ^2/NDF: 39853873.2/97



Right In: -512.476+/-622.324 χ^2/NDF: 20.1/23

Left Out: -1062.372+/-505.627 χ^2/NDF:21.9/23

Right Out: -618.702+/-605.264 χ^2/NDF: 15.2/26

Left In: -544.260+/-509.433 χ^2/NDF:27.9/22

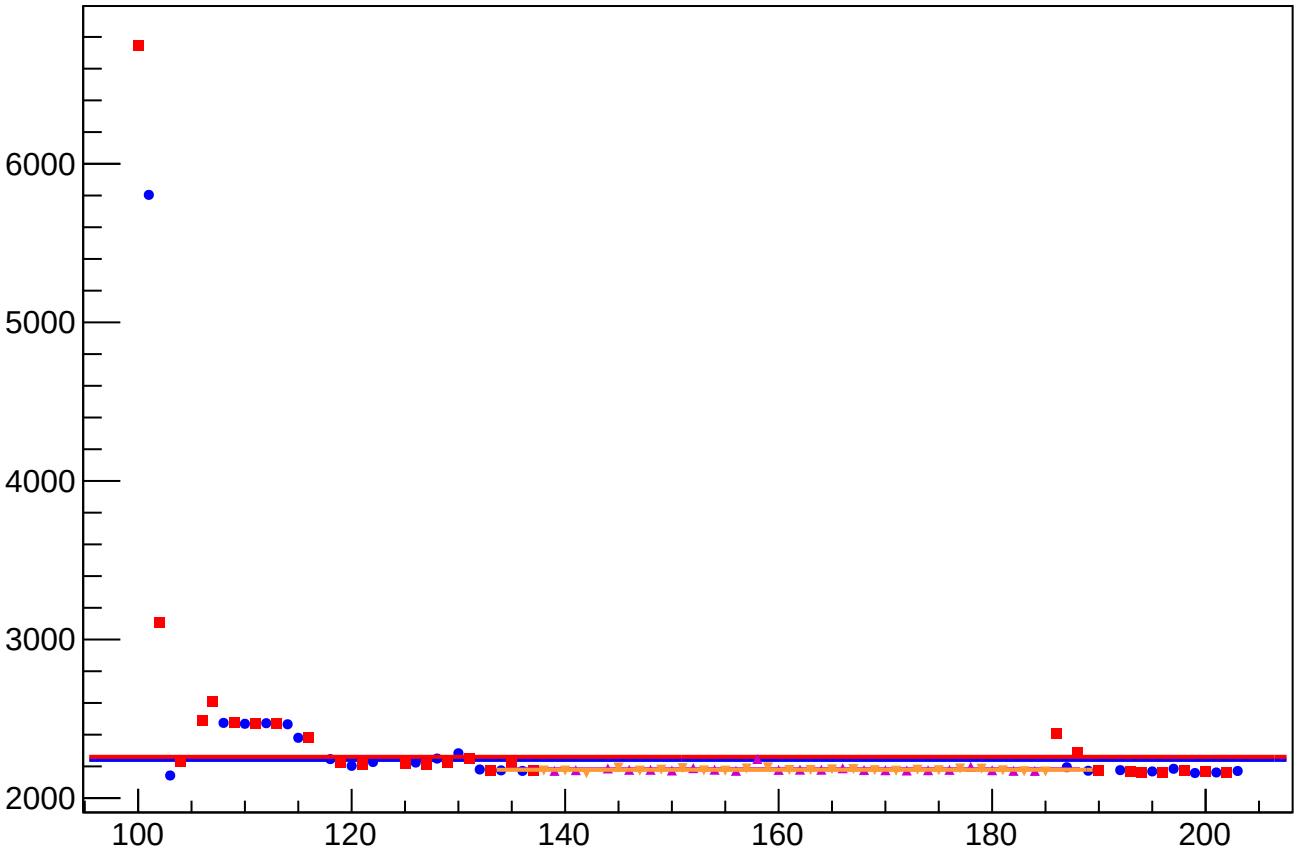
Left: -805.259+/-358.870 χ^2/NDF: 50.3/46

Right: -567.065+/-433.892 χ^2/NDF: 35.3/50

In: -531.507+/-394.199 χ^2/NDF:48.0/46

Out: -880.013+/-388.042 χ^2/NDF:37.4/50

All: -708.503+/-276.538 χ^2/NDF: 85.8/97



Right In: 2240.924+/-0.440 χ^2/NDF: 538438.9/23

Left Out: 2178.503+/-0.358 χ^2/NDF:456.1/23

Right Out: 2260.418+/-0.428 χ^2/NDF: 204507.2/26

Left In: 2181.882+/-0.360 χ^2/NDF:1838.2/22

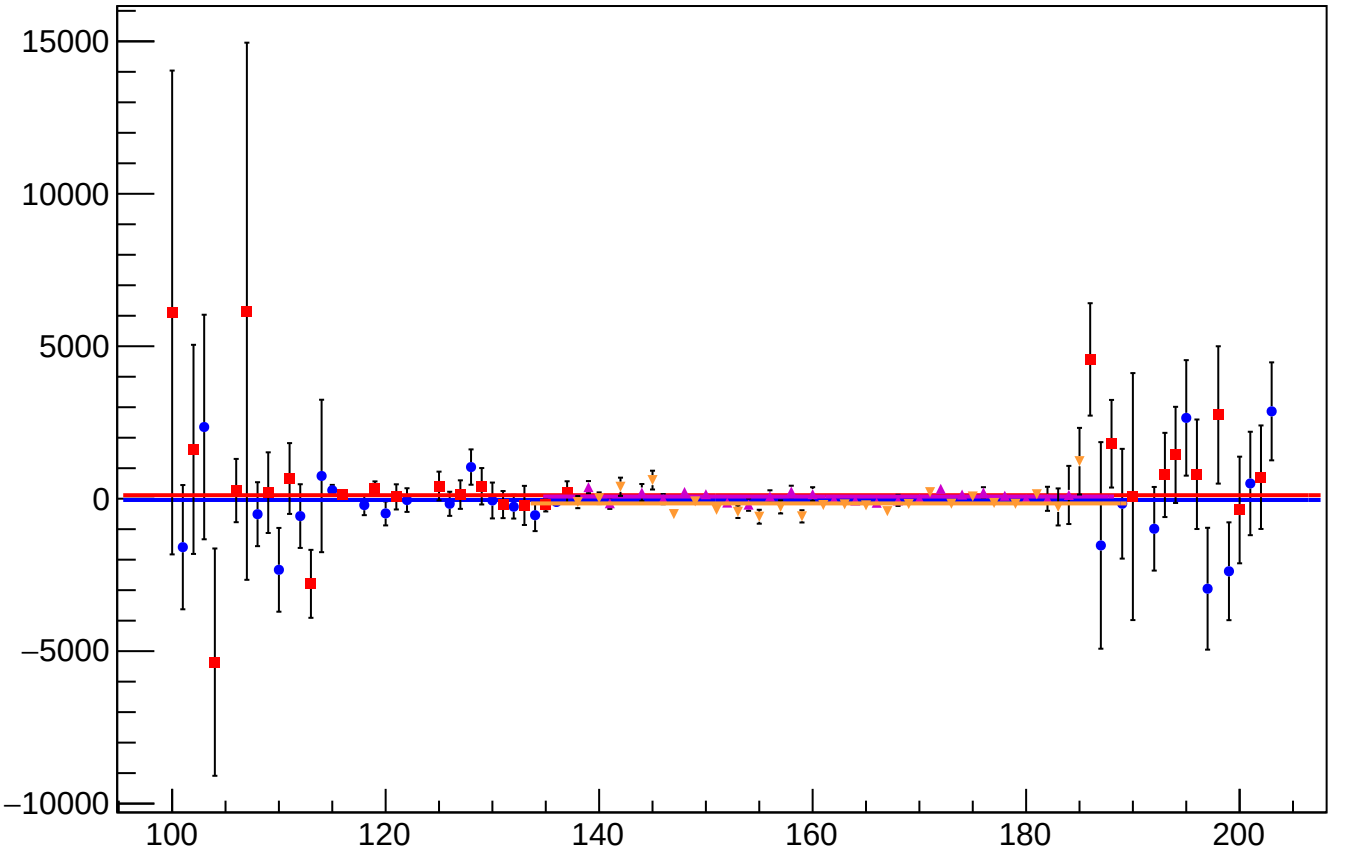
Left: 2180.180+/-0.254 χ^2/NDF: 2338.6/46

Right: 2250.942+/-0.307 χ^2/NDF: 743954.6/50

In: 2205.572+/-0.279 χ^2/NDF:551055.8/46

Out: 2212.172+/-0.274 χ^2/NDF:226538.7/50

All: 2208.924+/-0.196 χ^2/NDF: 777879.3/97



Right In: -42.185+/-91.408 χ^2/NDF: 24.4/23

Left Out: -154.725+/-34.061 χ^2/NDF:47.3/23

Right Out: 114.423+/-85.163 χ^2/NDF: 24.9/26

Left In: 70.142+/-34.204 χ^2/NDF:18.9/22

Left: -42.765+/-24.135 χ^2/NDF: 87.9/46

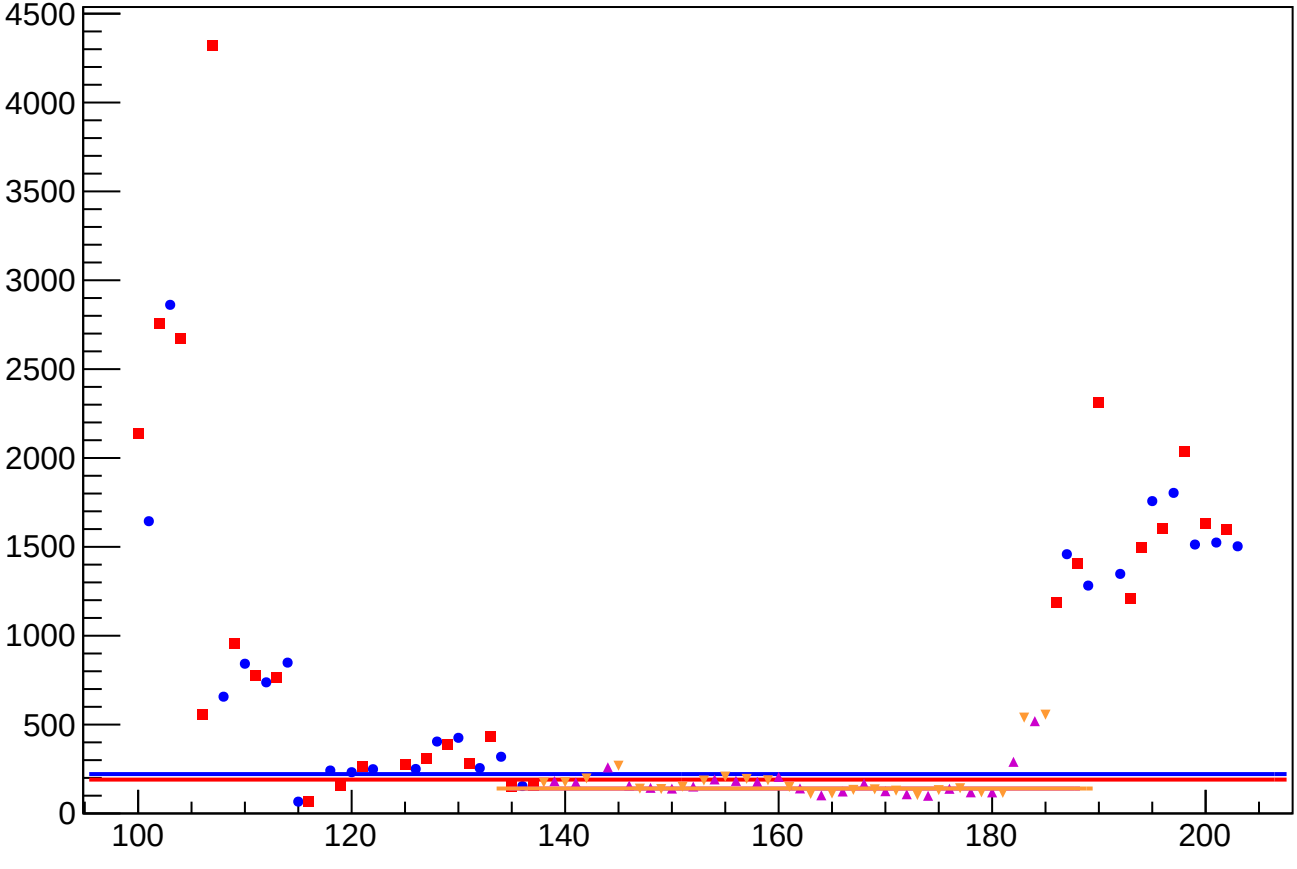
Right: 41.651+/-62.310 χ^2/NDF: 50.9/50

In: 56.345+/-32.035 χ^2/NDF:44.6/46

Out: -117.610+/-31.625 χ^2/NDF:80.8/50

All: -31.752+/-22.506 χ^2/NDF: 140.4/97

asym_us_dd_at1lr_dd_avg_dit_correction_rms vs Slug, Sign Corrected



Right In: 221.516+/-0.065 χ^2/NDF: 14432525.7/23

Left Out: 140.319+/-0.024 χ^2/NDF:2760284.0/23

Right Out: 190.513+/-0.060 χ^2/NDF: 17626506.0/26

Left In: 139.979+/-0.024 χ^2/NDF:2412455.4/22

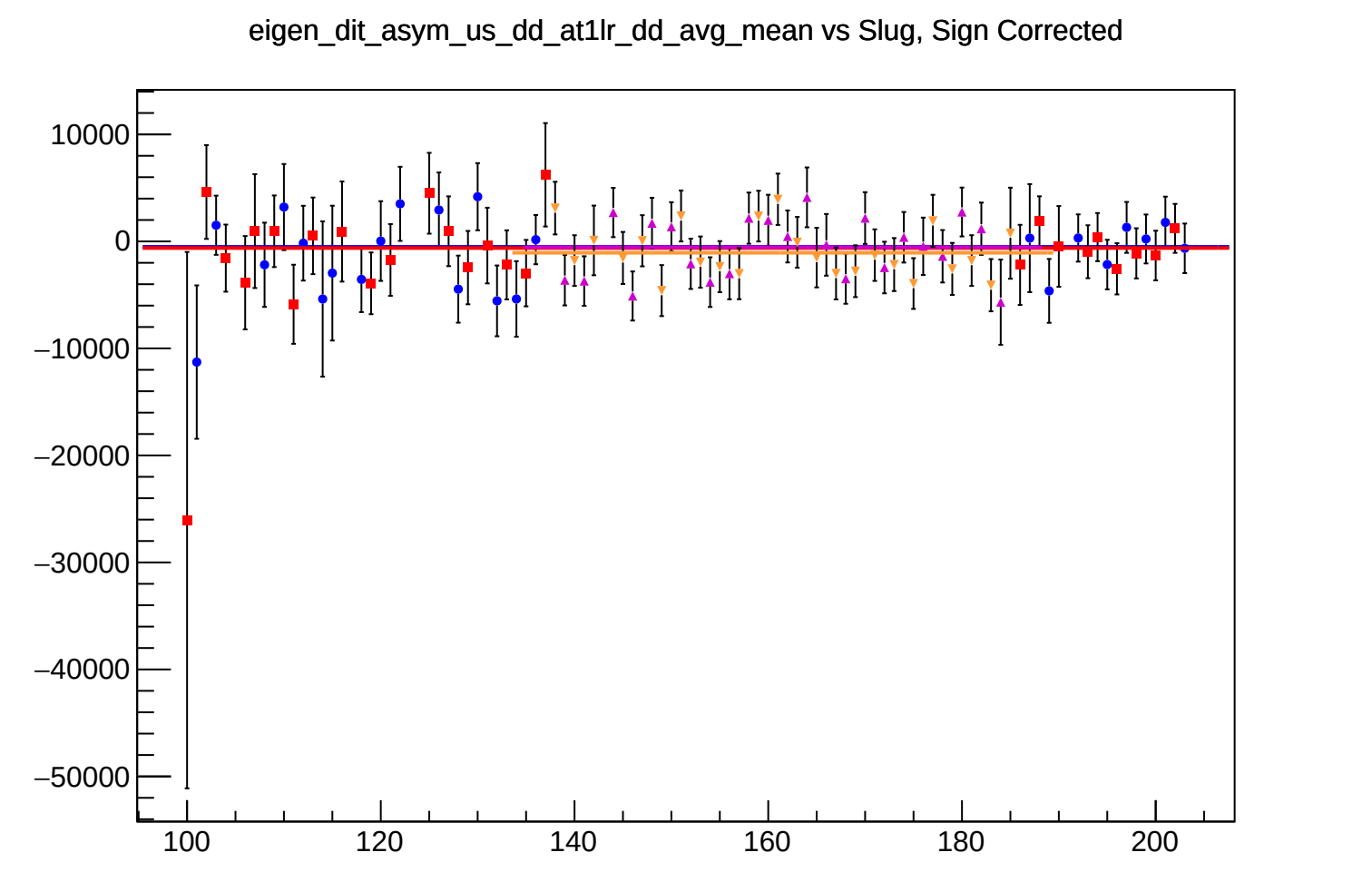
Left: 140.149+/-0.017 χ^2/NDF: 5172838.7/46

Right: 204.919+/-0.044 χ^2/NDF: 32182198.2/50

In: 149.993+/-0.023 χ^2/NDF:18240919.7/46

Out: 147.240+/-0.022 χ^2/NDF:20985745.7/50

All: 148.599+/-0.016 χ^2/NDF: 39234145.4/97



Right In: -512.476+/-622.324 χ^2/NDF: 20.1/23

Left Out: -1062.373+/-505.627 χ^2/NDF:21.9/23

Right Out: -618.701+/-605.264 χ^2/NDF: 15.2/26

Left In: -544.259+/-509.433 χ^2/NDF:27.9/22

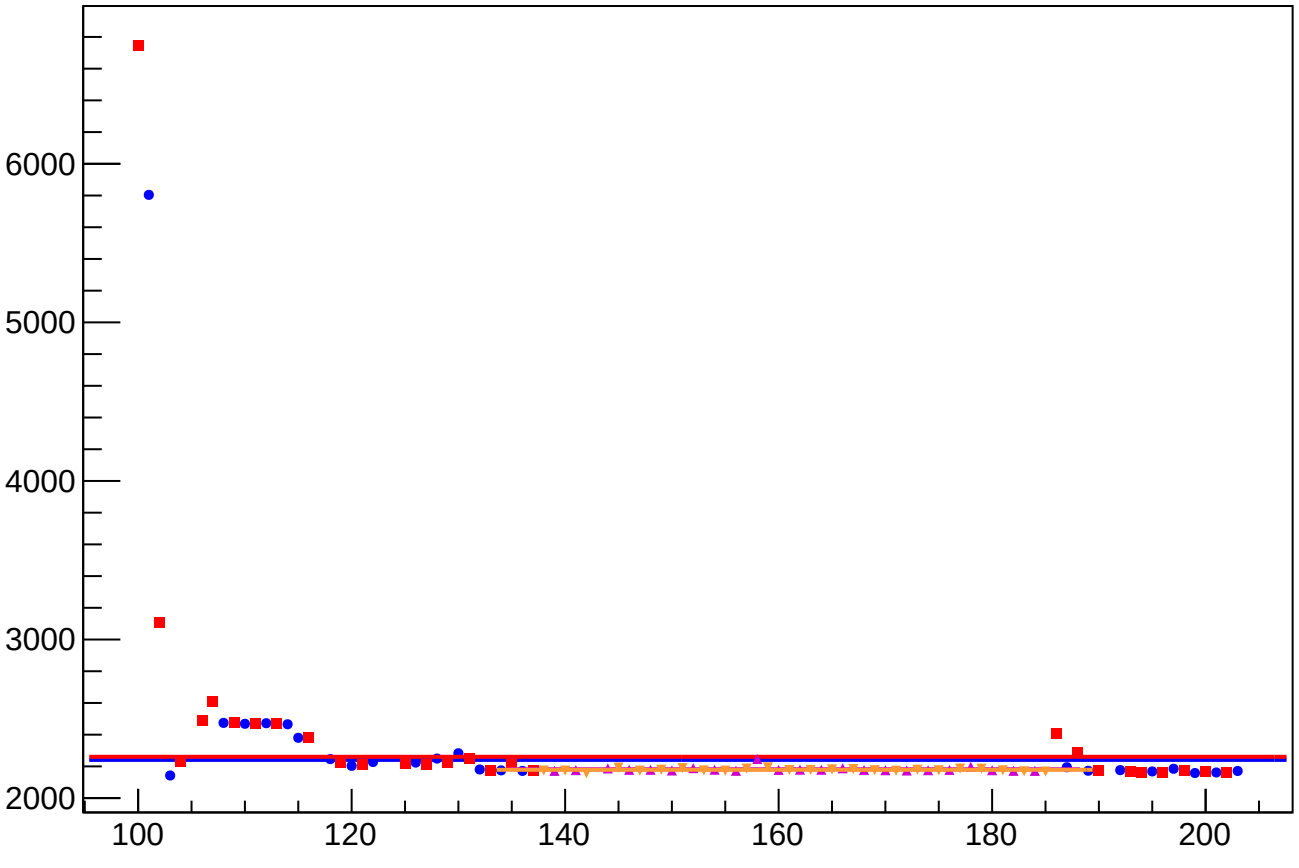
Left: -805.259+/-358.870 χ^2/NDF: 50.3/46

Right: -567.064+/-433.892 χ^2/NDF: 35.3/50

In: -531.507+/-394.199 χ^2/NDF:48.0/46

Out: -880.013+/-388.042 χ^2/NDF:37.4/50

All: -708.503+/-276.538 χ^2/NDF: 85.8/97



Right In: 2240.924+/-0.440 χ^2/NDF: 538439.0/23

Left Out: 2178.503+/-0.358 χ^2/NDF:456.1/23

Right Out: 2260.418+/-0.428 χ^2/NDF: 204507.1/26

Left In: 2181.882+/-0.360 χ^2/NDF:1838.2/22

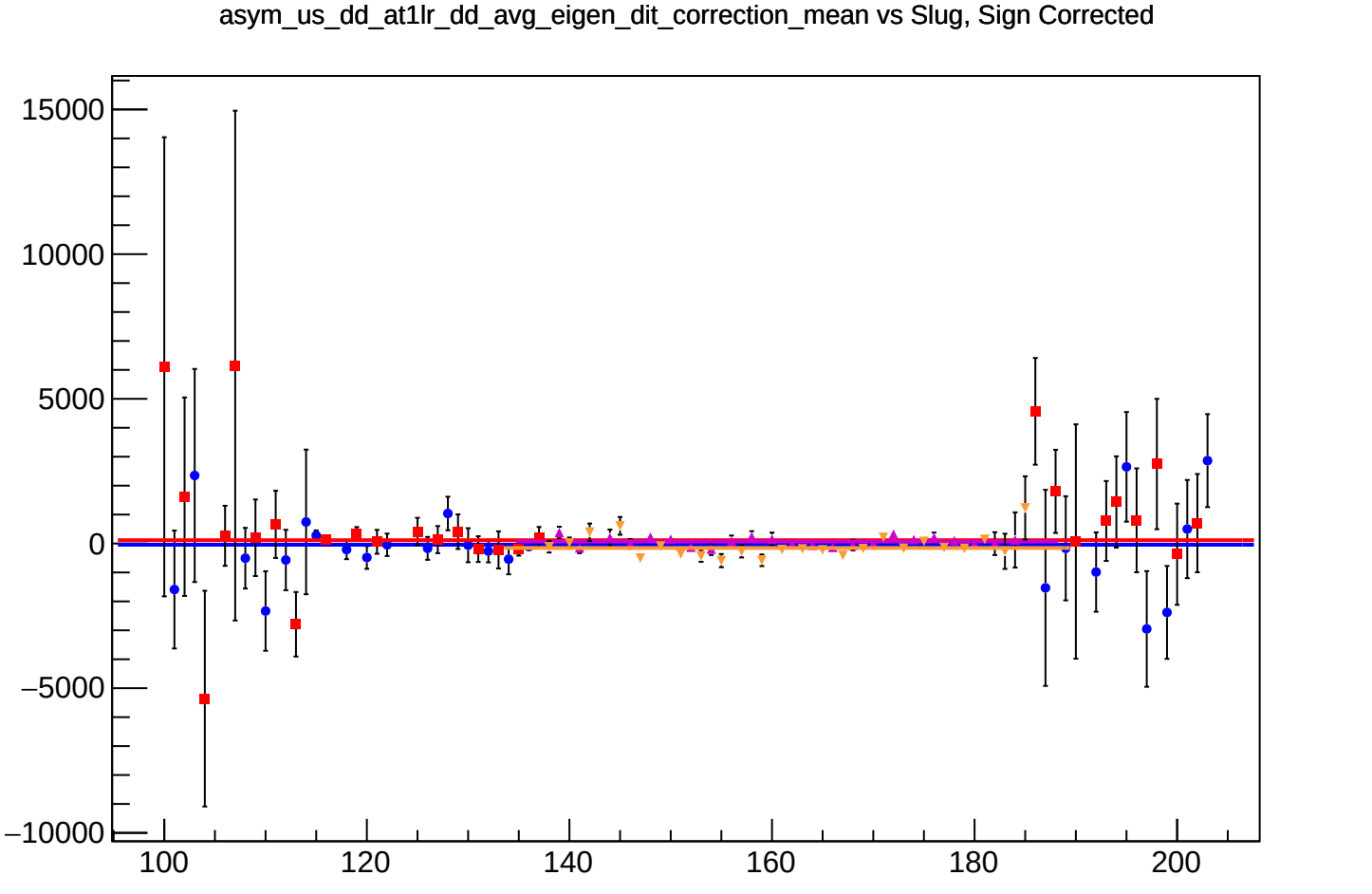
Left: 2180.180+/-0.254 χ^2/NDF: 2338.6/46

Right: 2250.942+/-0.307 χ^2/NDF: 743954.5/50

In: 2205.572+/-0.279 χ^2/NDF:551055.8/46

Out: 2212.172+/-0.274 χ^2/NDF:226538.6/50

All: 2208.924+/-0.196 χ^2/NDF: 777879.2/97



Right In: -42.182+/-91.407 χ^2/NDF: 24.4/23

Left Out: -154.726+/-34.061 χ^2/NDF:47.3/23

Right Out: 114.424+/-85.162 χ^2/NDF: 24.9/26

Left In: 70.141+/-34.204 χ^2/NDF:18.9/22

Left: -42.766+/-24.135 χ^2/NDF: 87.9/46

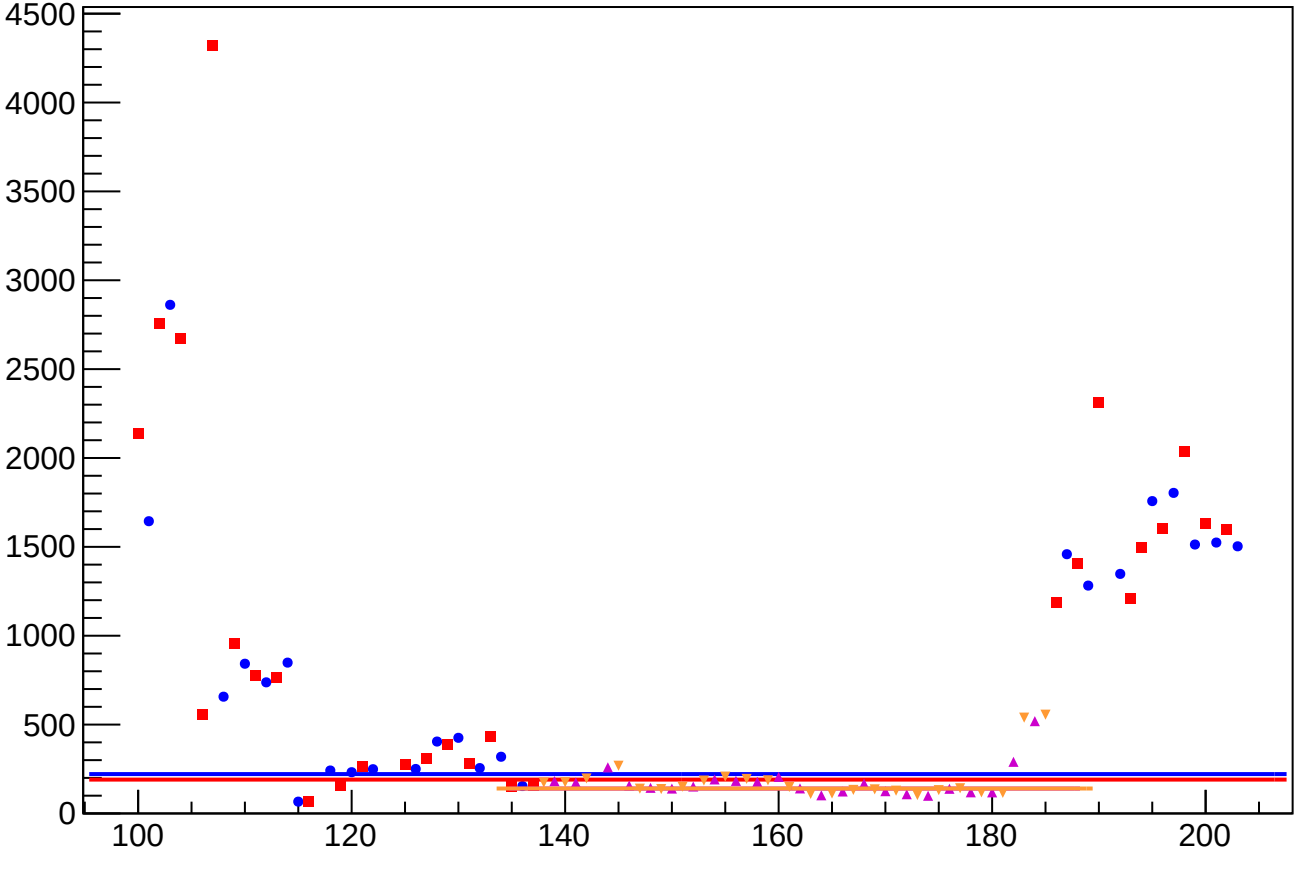
Right: 41.653+/-62.309 χ^2/NDF: 50.9/50

In: 56.344+/-32.035 χ^2/NDF:44.6/46

Out: -117.610+/-31.625 χ^2/NDF:80.8/50

All: -31.753+/-22.506 χ^2/NDF: 140.4/97

asym_us_dd_at1lr_dd_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 221.513+/-0.065 χ^2/NDF: 14432600.3/23

Left Out: 140.319+/-0.024 χ^2/NDF:2760280.2/23

Right Out: 190.510+/-0.060 χ^2/NDF: 17626605.7/26

Left In: 139.979+/-0.024 χ^2/NDF:2412509.5/22

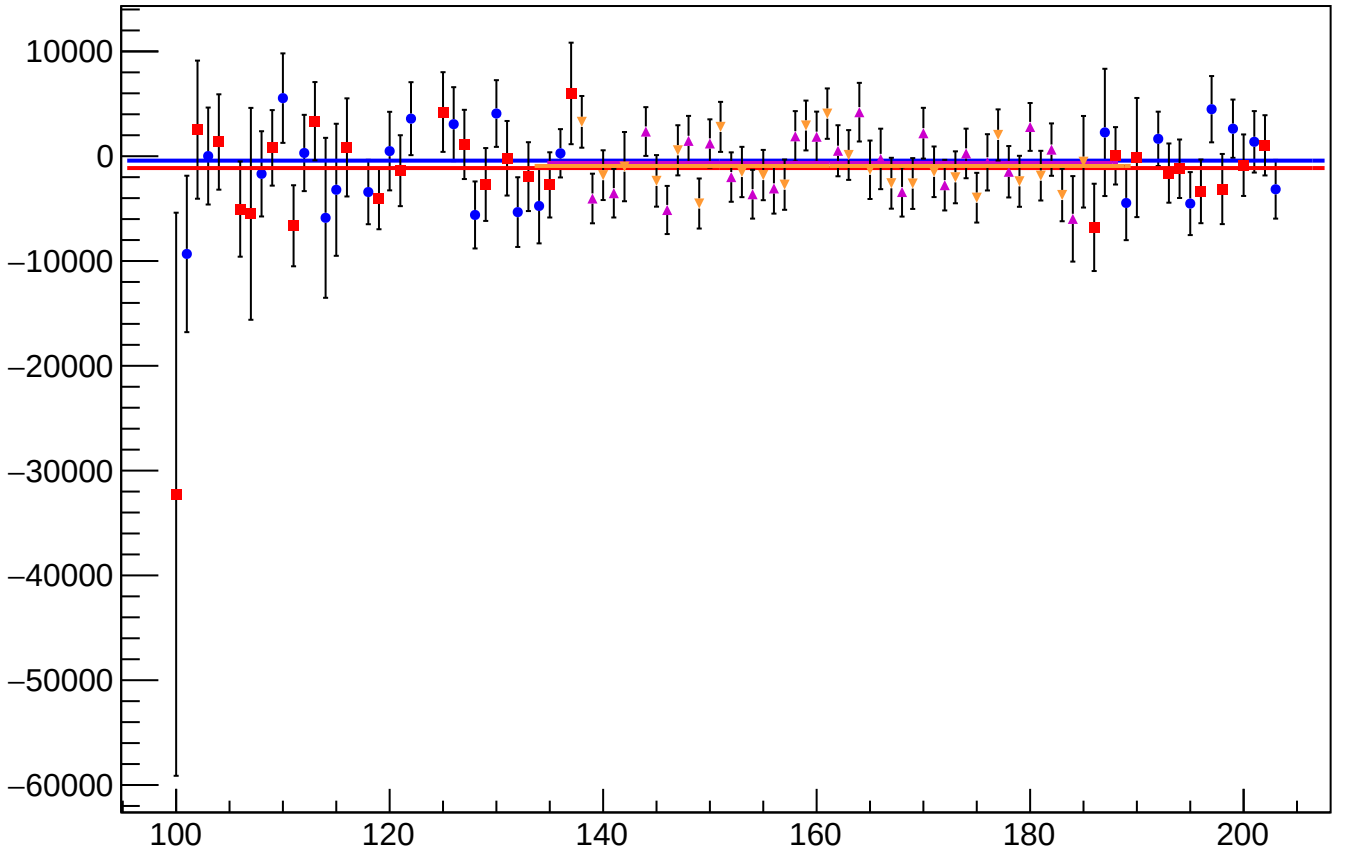
Left: 140.150+/-0.017 χ^2/NDF: 5172889.1/46

Right: 204.917+/-0.044 χ^2/NDF: 32182374.9/50

In: 149.993+/-0.023 χ^2/NDF:18240969.1/46

Out: 147.241+/-0.022 χ^2/NDF:20985776.1/50

All: 148.599+/-0.016 χ^2/NDF: 39234224.7/97



Right In: -422.718+/-701.802 χ^2/NDF: 24.8/23

Left Out: -932.002+/-507.717 χ^2/NDF:22.4/23

Right Out: -1131.700+/-695.074 χ^2/NDF: 16.6/26

Left In: -642.773+/-511.372 χ^2/NDF:27.0/22

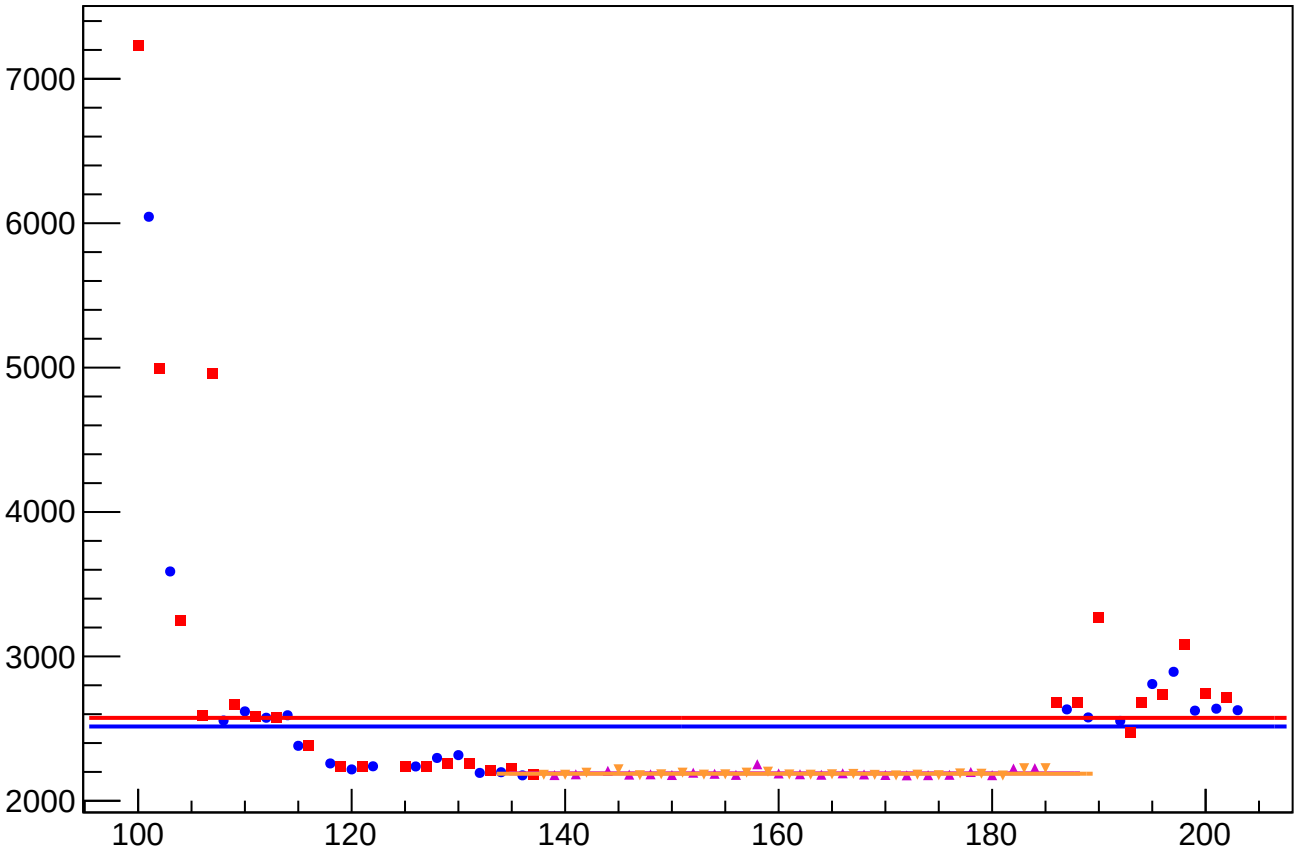
Left: -788.425+/-360.295 χ^2/NDF: 49.6/46

Right: -780.624+/-493.853 χ^2/NDF: 41.9/50

In: -566.456+/-413.293 χ^2/NDF:51.9/46

Out: -1001.481+/-409.988 χ^2/NDF:39.1/50

All: -785.715+/-291.067 χ^2/NDF: 91.5/97



Right In: 2514.661+/-0.496 χ^2/NDF: 763668.3/23

Left Out: 2187.620+/-0.359 χ^2/NDF:1342.1/23

Right Out: 2574.294+/-0.491 χ^2/NDF: 771813.8/26

Left In: 2190.163+/-0.362 χ^2/NDF:2542.8/22

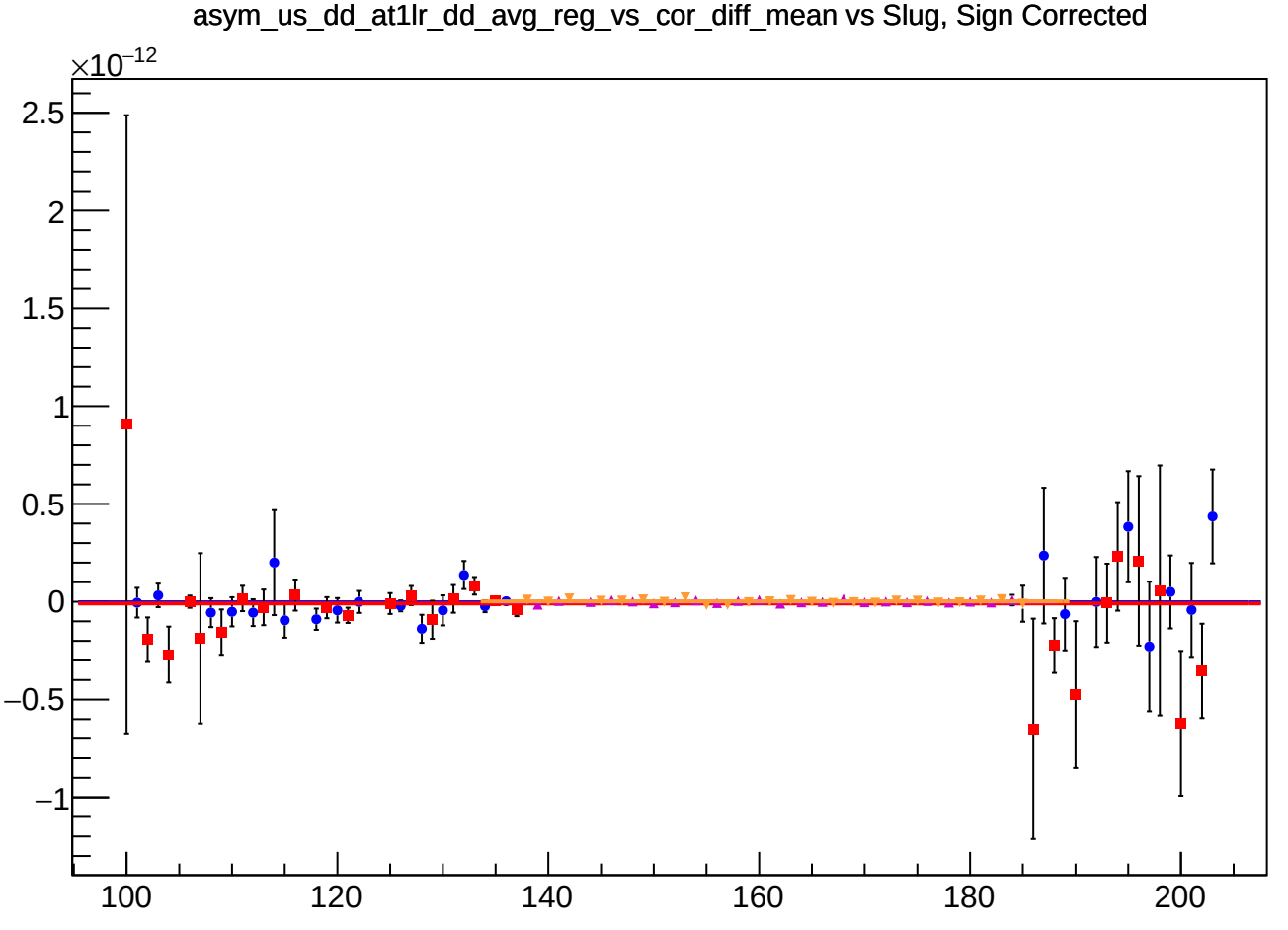
Left: 2188.882+/-0.255 χ^2/NDF: 3909.8/46

Right: 2544.765+/-0.349 χ^2/NDF: 1542771.8/50

In: 2302.701+/-0.292 χ^2/NDF:1045508.4/46

Out: 2322.152+/-0.290 χ^2/NDF:1176763.0/50

All: 2312.505+/-0.206 χ^2/NDF: 2224504.3/97



Right In: -0.000+/-0.000 χ^2/NDF: 21.9/23

Left Out: 0.000+/-0.000 χ^2/NDF:19.4/23

Right Out: -0.000+/-0.000 χ^2/NDF: 29.9/26

Left In: -0.000+/-0.000 χ^2/NDF:13.3/22

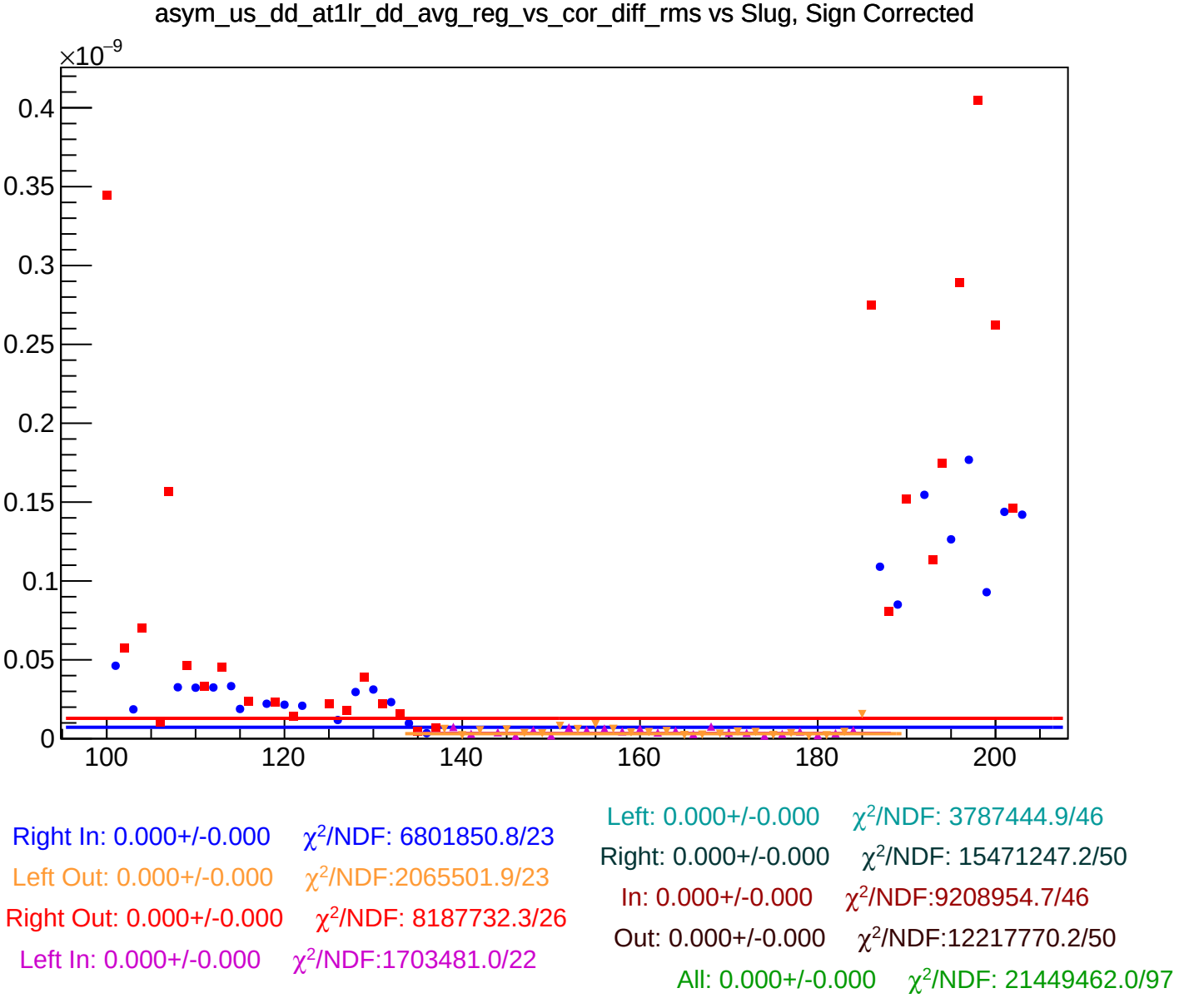
Left: 0.000+/-0.000 χ^2/NDF: 33.7/46

Right: -0.000+/-0.000 χ^2/NDF: 52.1/50

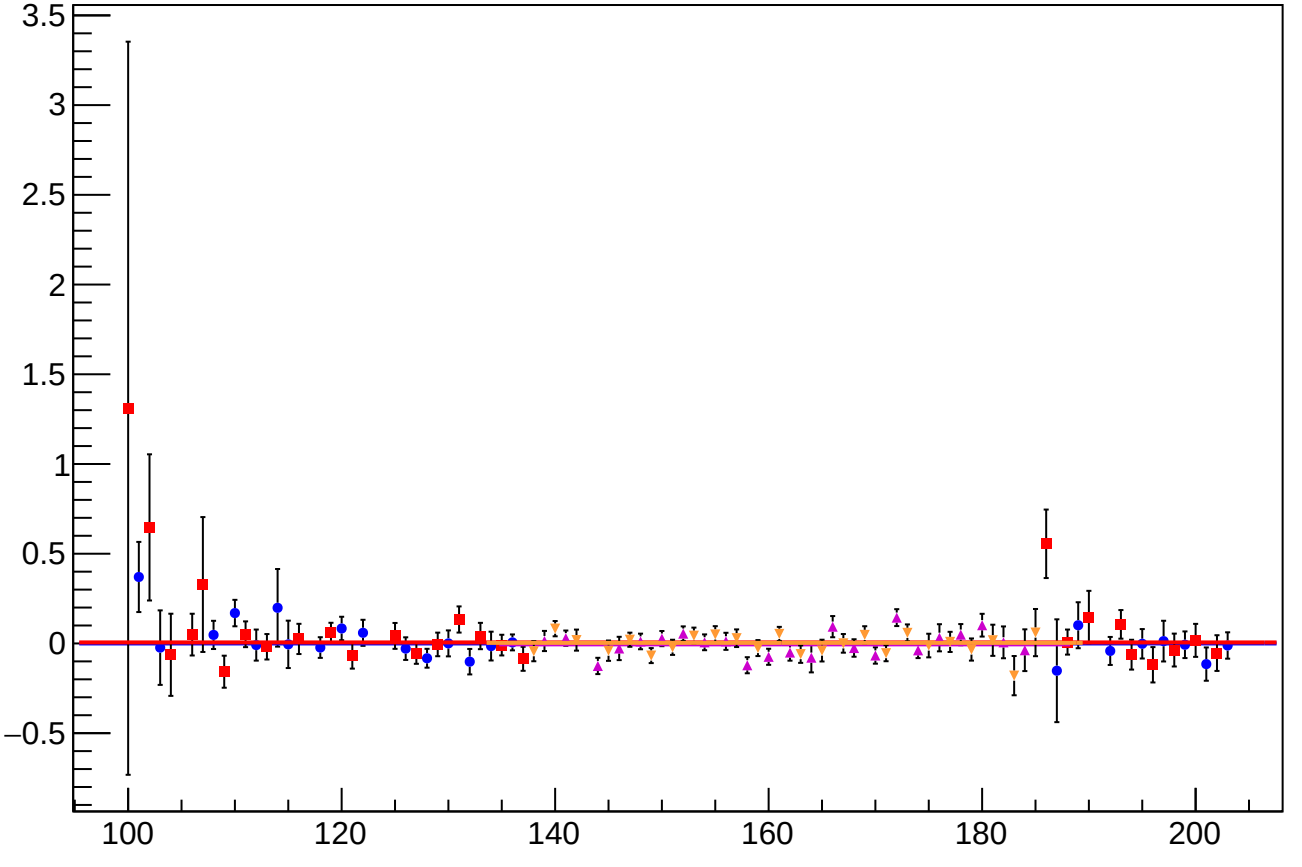
In: -0.000+/-0.000 χ^2/NDF:35.4/46

Out: 0.000+/-0.000 χ^2/NDF:50.5/50

All: 0.000+/-0.000 χ^2/NDF: 86.9/97


asym_us_dd_at1lr_dd_avg_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
0.4
0.35
0.3
0.25
0.2
0.15
0.1
0.05
0
100
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 6801850.8/23
Left Out: 0.000+/-0.000 χ²/NDF:2065501.9/23
Right Out: 0.000+/-0.000 χ²/NDF: 8187732.3/26
Left In: 0.000+/-0.000 χ²/NDF:1703481.0/22
Left: 0.000+/-0.000 χ²/NDF: 3787444.9/46
Right: 0.000+/-0.000 χ²/NDF: 15471247.2/50
In: 0.000+/-0.000 χ²/NDF:9208954.7/46
Out: 0.000+/-0.000 χ²/NDF:12217770.2/50
All: 0.000+/-0.000 χ²/NDF: 21449462.0/97

asym_us_dd_at1lr_dd_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.016 χ^2/NDF: 20.1/23

Left Out: 0.003+/-0.010 χ^2/NDF:21.8/23

Right Out: 0.006+/-0.016 χ^2/NDF: 30.0/26

Left In: -0.005+/-0.011 χ^2/NDF:41.4/22

Left: -0.001+/-0.007 χ^2/NDF: 63.6/46

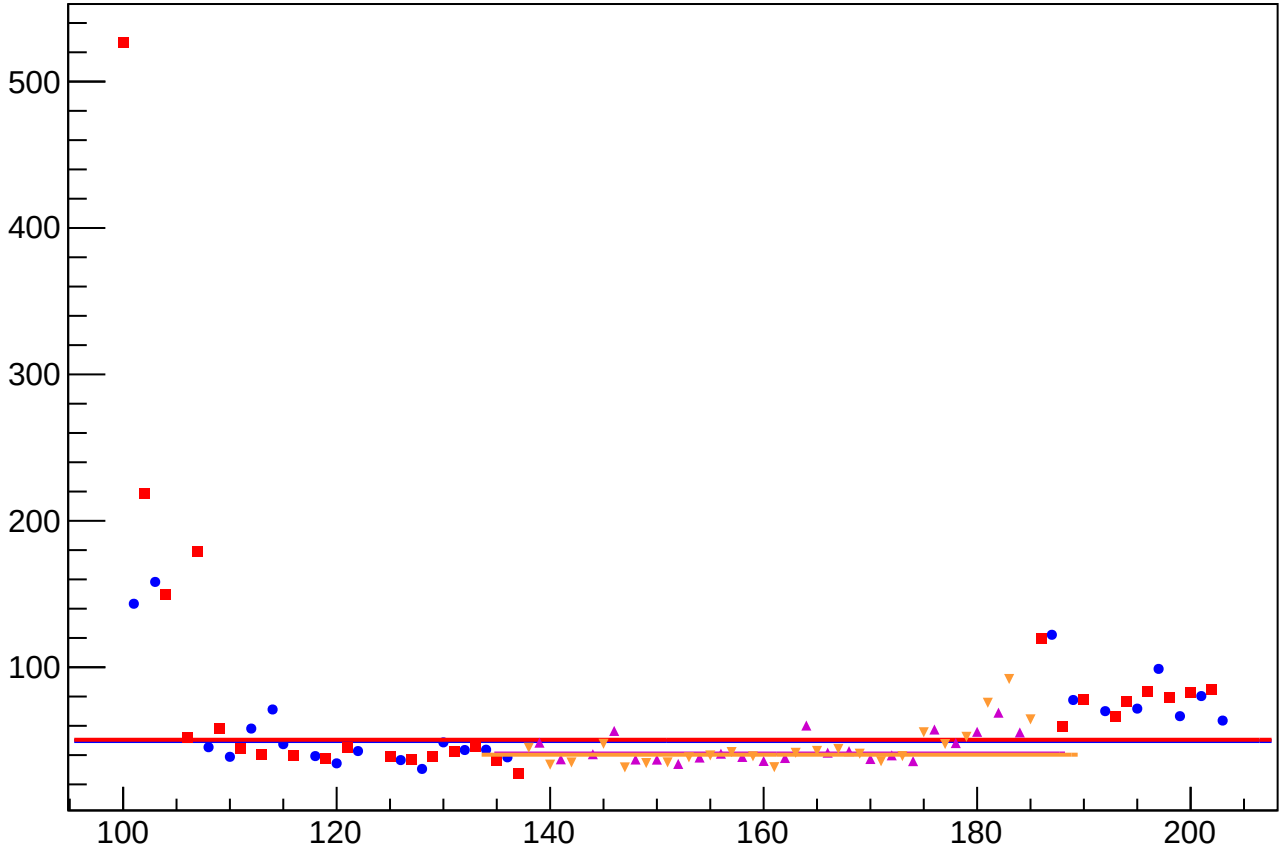
Right: 0.003+/-0.011 χ^2/NDF: 50.1/50

In: -0.004+/-0.009 χ^2/NDF:61.6/46

Out: 0.004+/-0.009 χ^2/NDF:51.8/50

All: 0.000+/-0.006 χ^2/NDF: 113.8/97

asym_us_dd_at1lr_dd_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 49.602+/-0.011 χ^2/NDF: 3066807.6/23

Left Out: 40.277+/-0.007 χ^2/NDF:1489065.3/23

Right Out: 50.479+/-0.011 χ^2/NDF: 3443032.1/26

Left In: 41.082+/-0.007 χ^2/NDF:926843.9/22

Left: 40.672+/-0.005 χ^2/NDF: 2421828.9/46

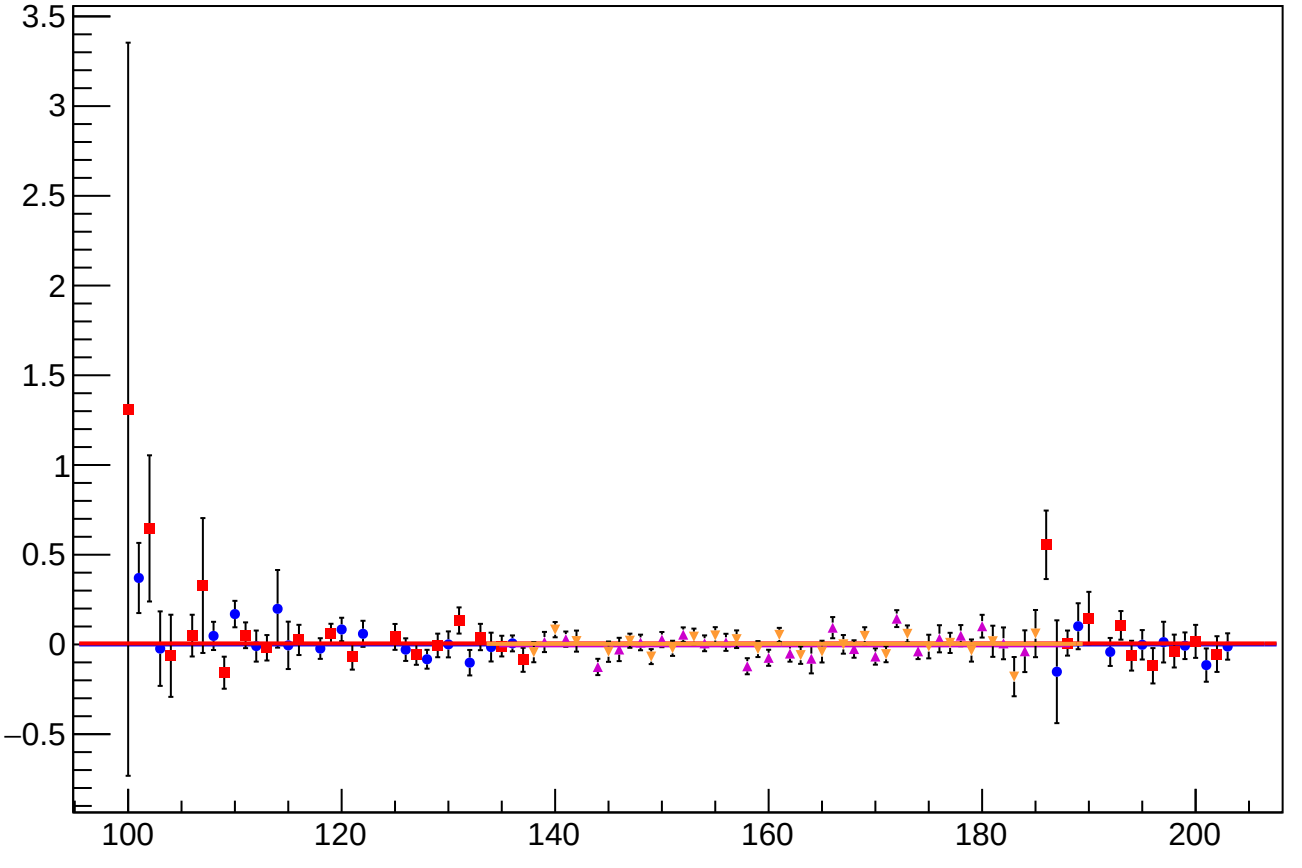
Right: 50.039+/-0.008 χ^2/NDF: 6512863.0/50

In: 43.686+/-0.006 χ^2/NDF:4391376.0/46

Out: 43.301+/-0.006 χ^2/NDF:5505839.3/50

All: 43.491+/-0.004 χ^2/NDF: 9899156.2/97

asym_us_dd_at1lr_dd_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.016 χ^2/NDF: 20.1/23

Left Out: 0.003+/-0.010 χ^2/NDF:21.8/23

Right Out: 0.006+/-0.016 χ^2/NDF: 30.0/26

Left In: -0.005+/-0.011 χ^2/NDF:41.4/22

Left: -0.001+/-0.007 χ^2/NDF: 63.6/46

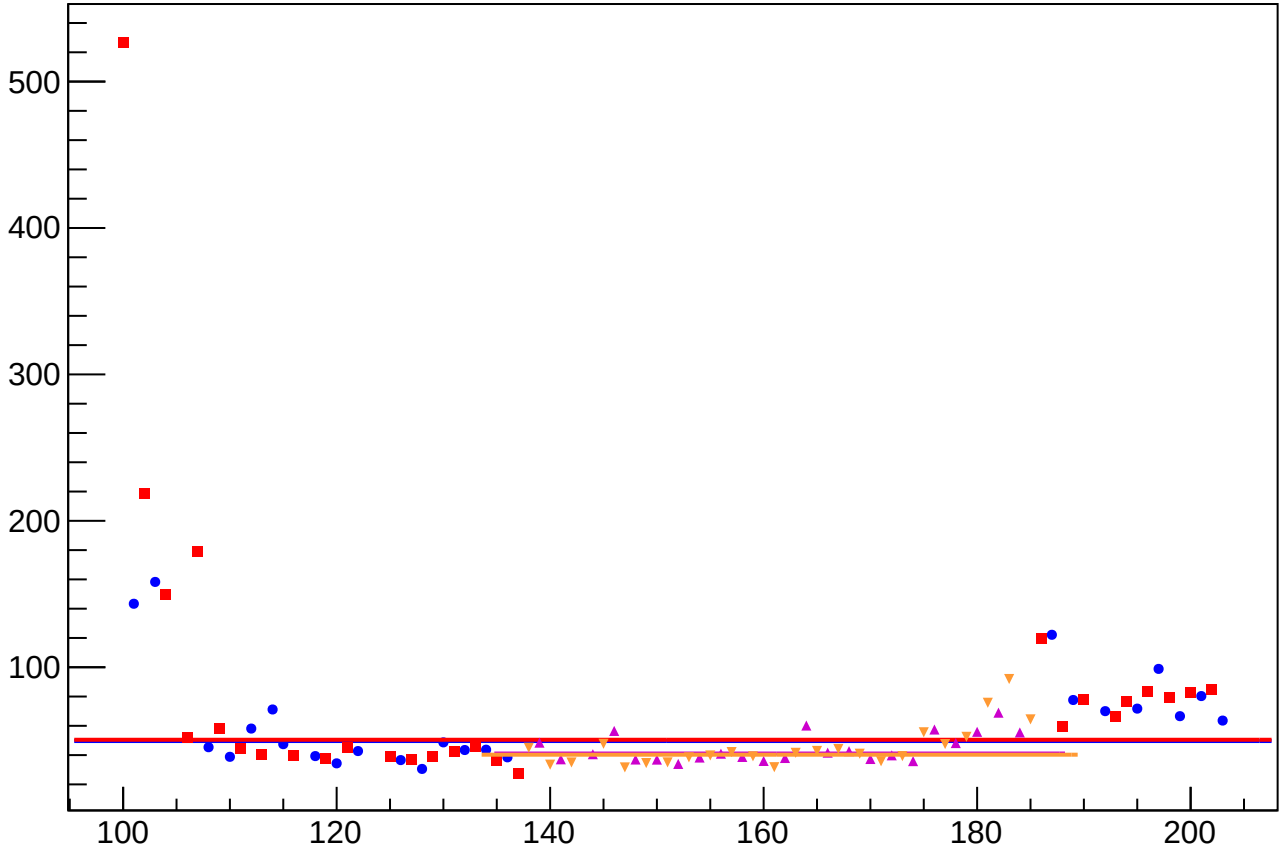
Right: 0.003+/-0.011 χ^2/NDF: 50.1/50

In: -0.004+/-0.009 χ^2/NDF:61.6/46

Out: 0.004+/-0.009 χ^2/NDF:51.8/50

All: 0.000+/-0.006 χ^2/NDF: 113.8/97

asym_us_dd_at1lr_dd_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 49.602+/-0.011 χ^2/NDF: 3066807.6/23

Left Out: 40.277+/-0.007 χ^2/NDF:1489065.3/23

Right Out: 50.479+/-0.011 χ^2/NDF: 3443032.1/26

Left In: 41.082+/-0.007 χ^2/NDF:926843.9/22

Left: 40.672+/-0.005 χ^2/NDF: 2421828.9/46

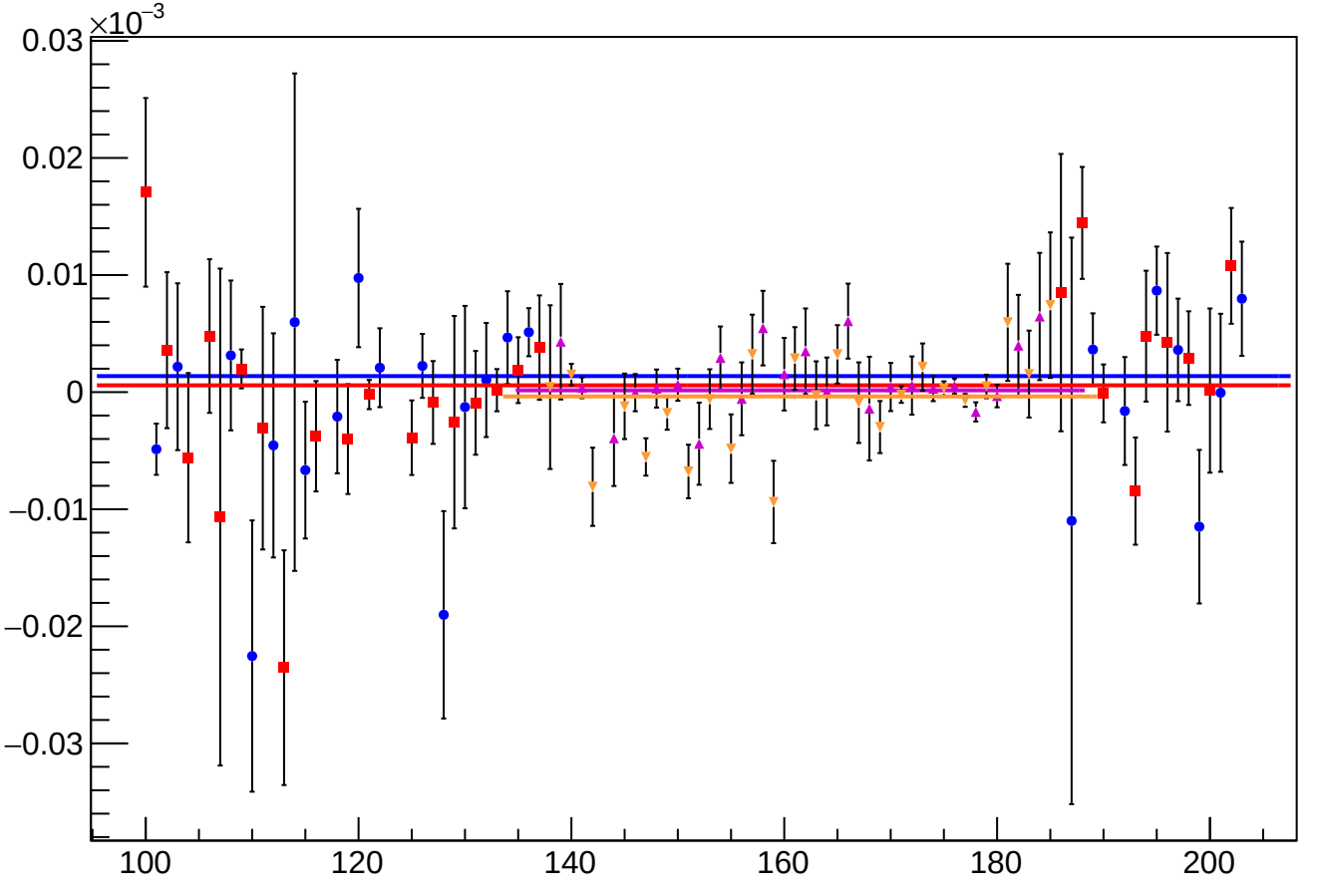
Right: 50.039+/-0.008 χ^2/NDF: 6512863.0/50

In: 43.686+/-0.006 χ^2/NDF:4391376.0/46

Out: 43.301+/-0.006 χ^2/NDF:5505839.3/50

All: 43.491+/-0.004 χ^2/NDF: 9899156.2/97

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: 37.9/23

Left Out: -0.000+/-0.000 χ^2/NDF:51.2/23

Right Out: 0.000+/-0.000 χ^2/NDF: 36.0/26

Left In: 0.000+/-0.000 χ^2/NDF:19.9/22

Left: -0.000+/-0.000 χ^2/NDF: 72.6/46

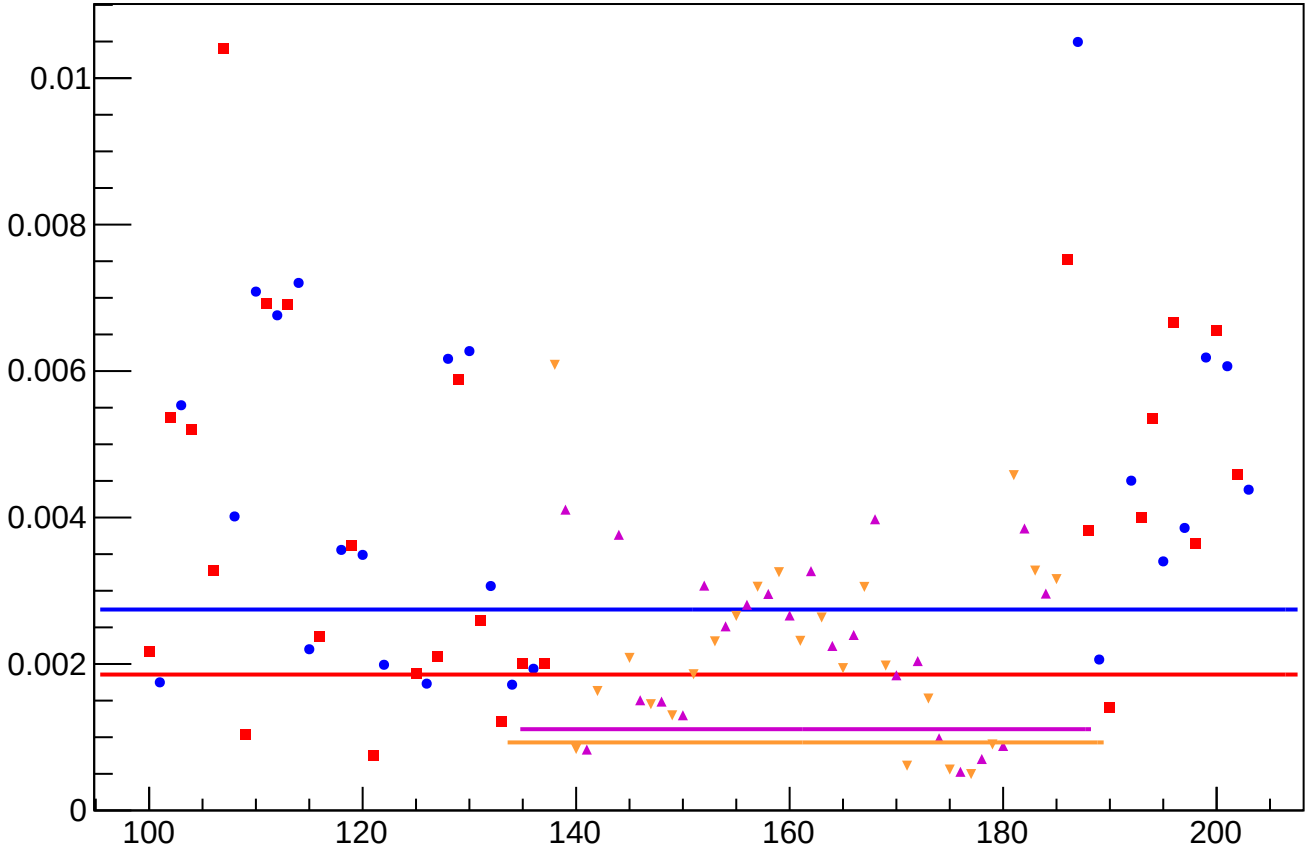
Right: 0.000+/-0.000 χ^2/NDF: 74.5/50

In: 0.000+/-0.000 χ^2/NDF:59.5/46

Out: -0.000+/-0.000 χ^2/NDF:89.0/50

All: -0.000+/-0.000 χ^2/NDF: 150.3/97

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: 5133258.2/23

Left Out: 0.001+/-0.000 χ^2/NDF:12568645.9/23

Right Out: 0.002+/-0.000 χ^2/NDF: 10253005.8/26

Left In: 0.001+/-0.000 χ^2/NDF:10930077.0/22

Left: 0.001+/-0.000 χ^2/NDF: 23862151.8/46

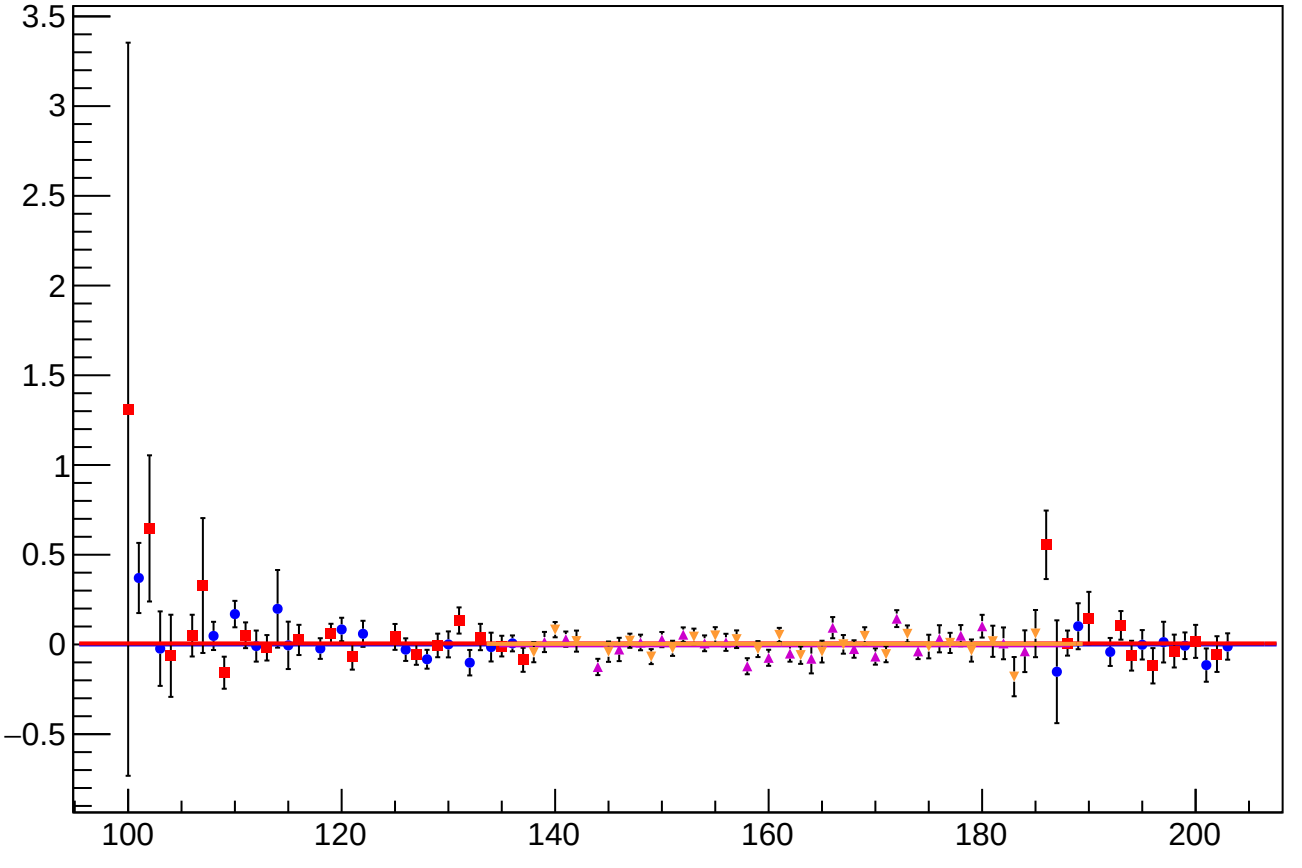
Right: 0.002+/-0.000 χ^2/NDF: 16727070.0/50

In: 0.001+/-0.000 χ^2/NDF:22313096.3/46

Out: 0.001+/-0.000 χ^2/NDF:26248999.4/50

All: 0.001+/-0.000 χ^2/NDF: 49258258.2/97

asym_us_dd_at1lr_dd_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.016 χ^2/NDF: 20.1/23

Left Out: 0.003+/-0.010 χ^2/NDF:21.8/23

Right Out: 0.006+/-0.016 χ^2/NDF: 30.0/26

Left In: -0.005+/-0.011 χ^2/NDF:41.4/22

Left: -0.001+/-0.007 χ^2/NDF: 63.6/46

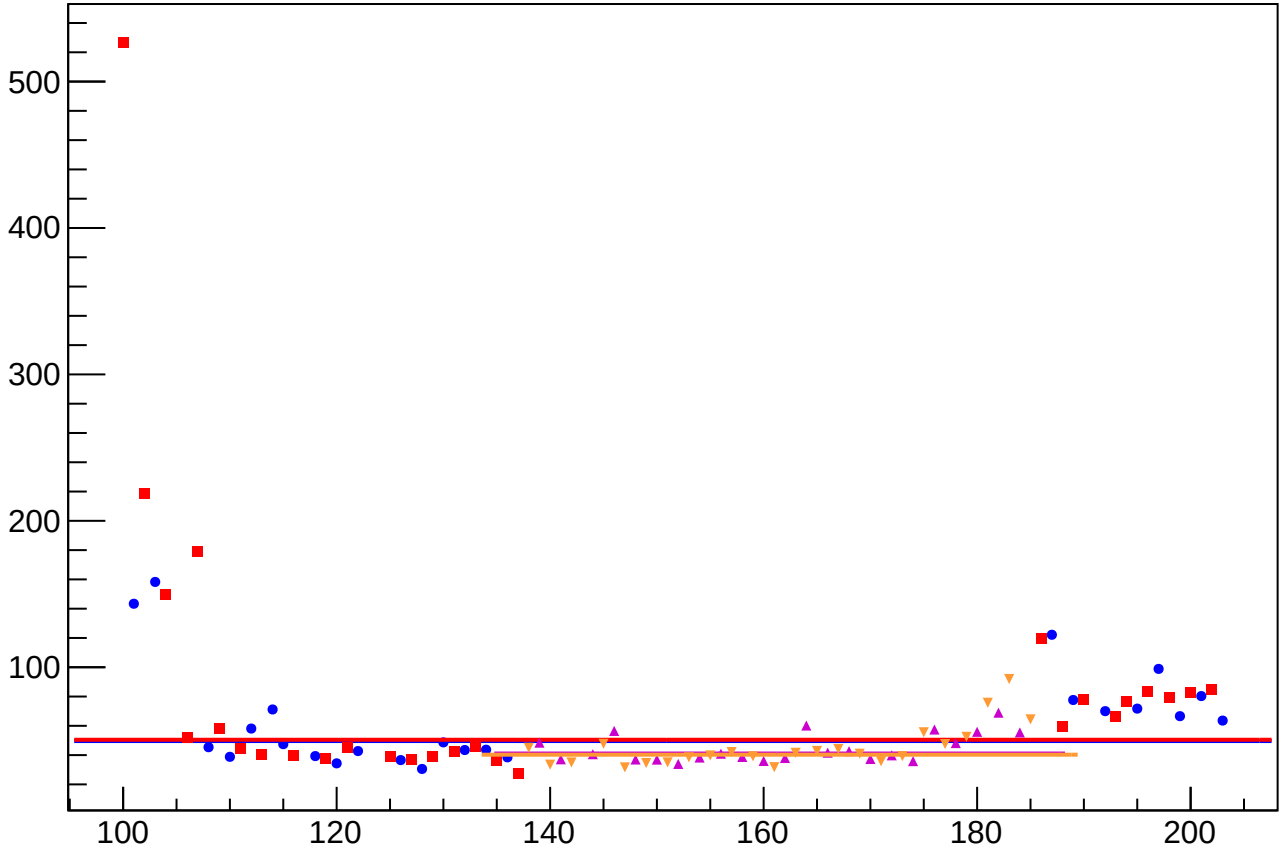
Right: 0.003+/-0.011 χ^2/NDF: 50.1/50

In: -0.004+/-0.009 χ^2/NDF:61.6/46

Out: 0.004+/-0.009 χ^2/NDF:51.8/50

All: 0.000+/-0.006 χ^2/NDF: 113.8/97

asym_us_dd_at1lr_dd_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 49.600+/-0.011 χ^2/NDF: 3067279.9/23

Left Out: 40.277+/-0.007 χ^2/NDF:1489049.7/23

Right Out: 50.479+/-0.011 χ^2/NDF: 3442987.1/26

Left In: 41.082+/-0.007 χ^2/NDF:926883.3/22

Left: 40.672+/-0.005 χ^2/NDF: 2421851.2/46

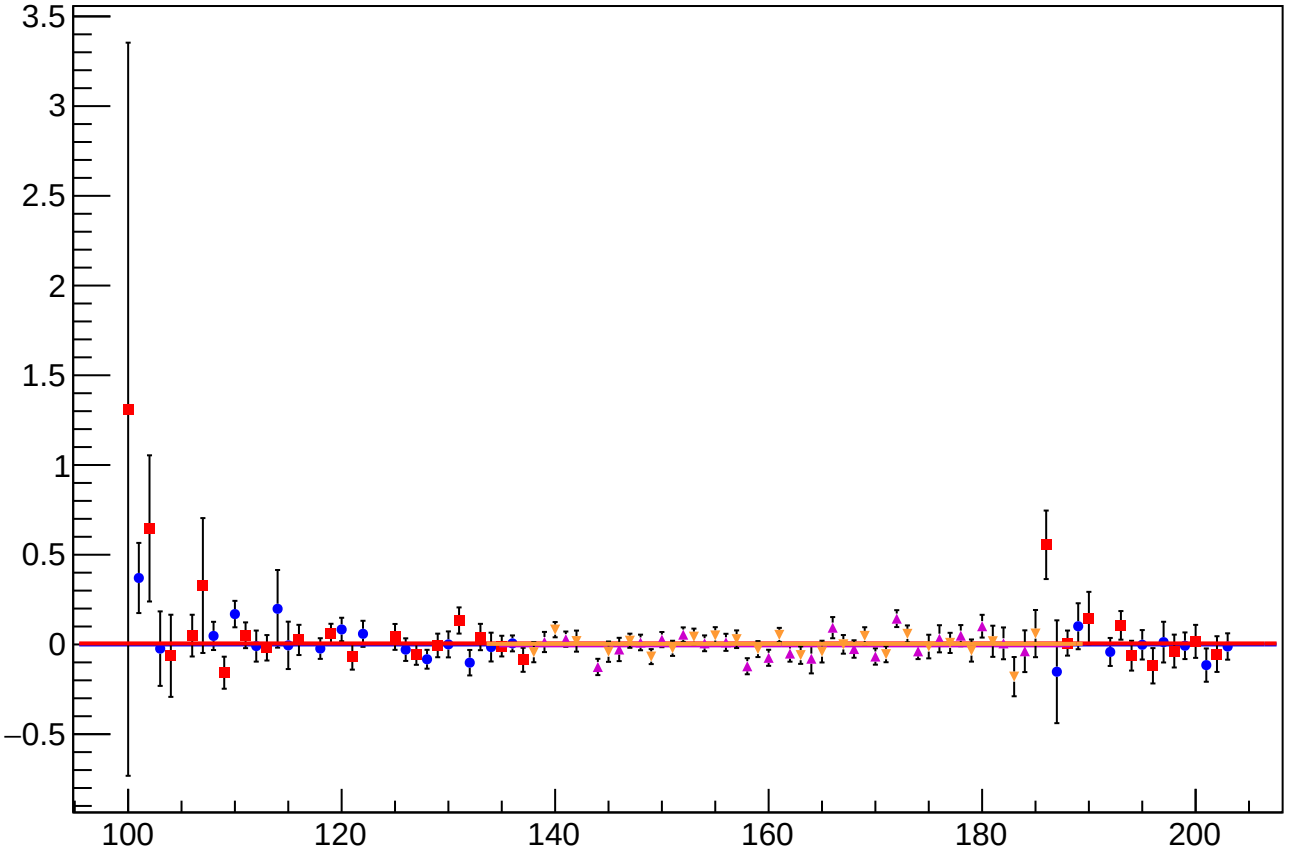
Right: 50.038+/-0.008 χ^2/NDF: 6513309.9/50

In: 43.686+/-0.006 χ^2/NDF:4391687.8/46

Out: 43.301+/-0.006 χ^2/NDF:5505821.9/50

All: 43.491+/-0.004 χ^2/NDF: 9899442.6/97

asym_us_dd_at1lr_dd_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.016 χ^2/NDF: 20.1/23

Left Out: 0.003+/-0.010 χ^2/NDF:21.8/23

Right Out: 0.006+/-0.016 χ^2/NDF: 30.0/26

Left In: -0.005+/-0.011 χ^2/NDF:41.4/22

Left: -0.001+/-0.007 χ^2/NDF: 63.6/46

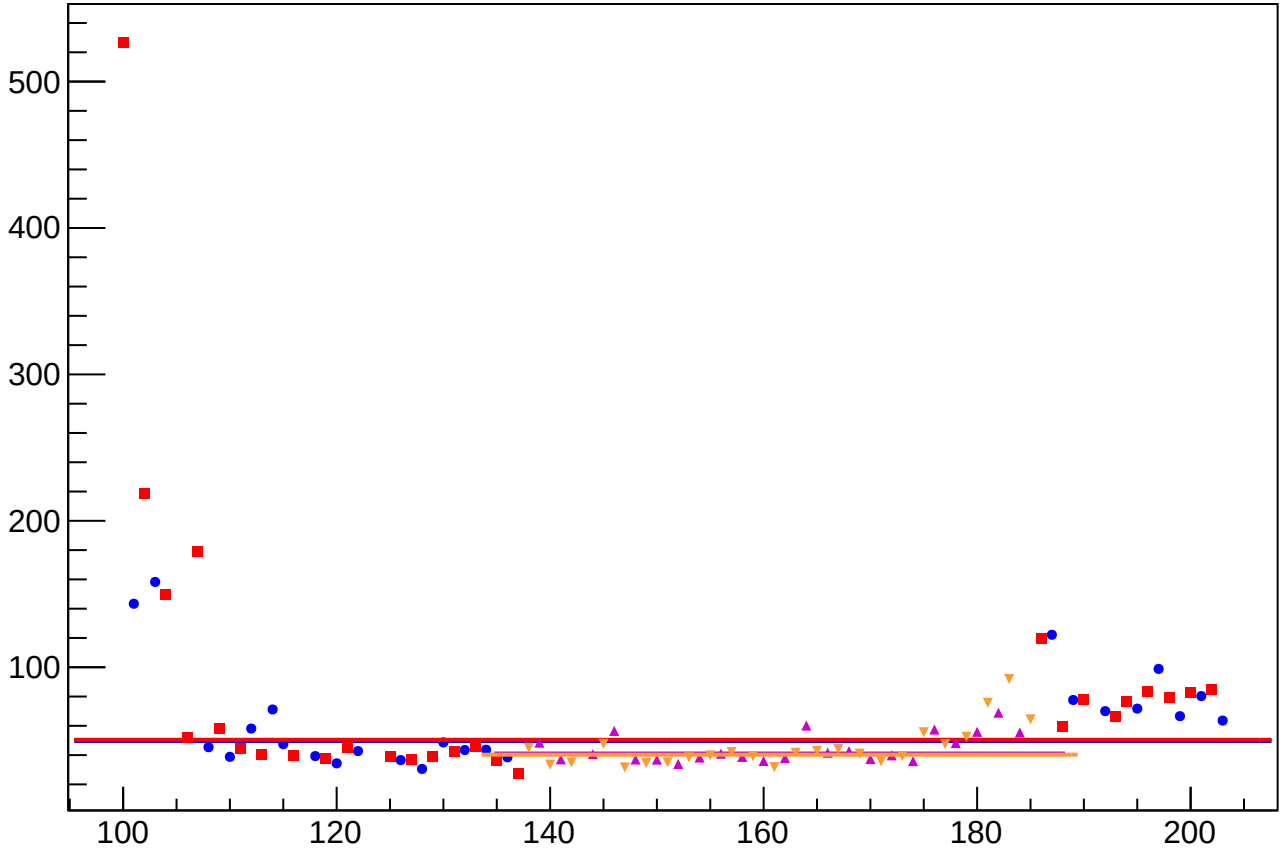
Right: 0.003+/-0.011 χ^2/NDF: 50.1/50

In: -0.004+/-0.009 χ^2/NDF:61.6/46

Out: 0.004+/-0.009 χ^2/NDF:51.8/50

All: 0.000+/-0.006 χ^2/NDF: 113.8/97

asym_us_dd_at1lr_dd_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 49.600+/-0.011 χ^2/NDF: 3067279.9/23

Left Out: 40.277+/-0.007 χ^2/NDF:1489049.7/23

Right Out: 50.479+/-0.011 χ^2/NDF: 3442987.1/26

Left In: 41.082+/-0.007 χ^2/NDF:926883.3/22

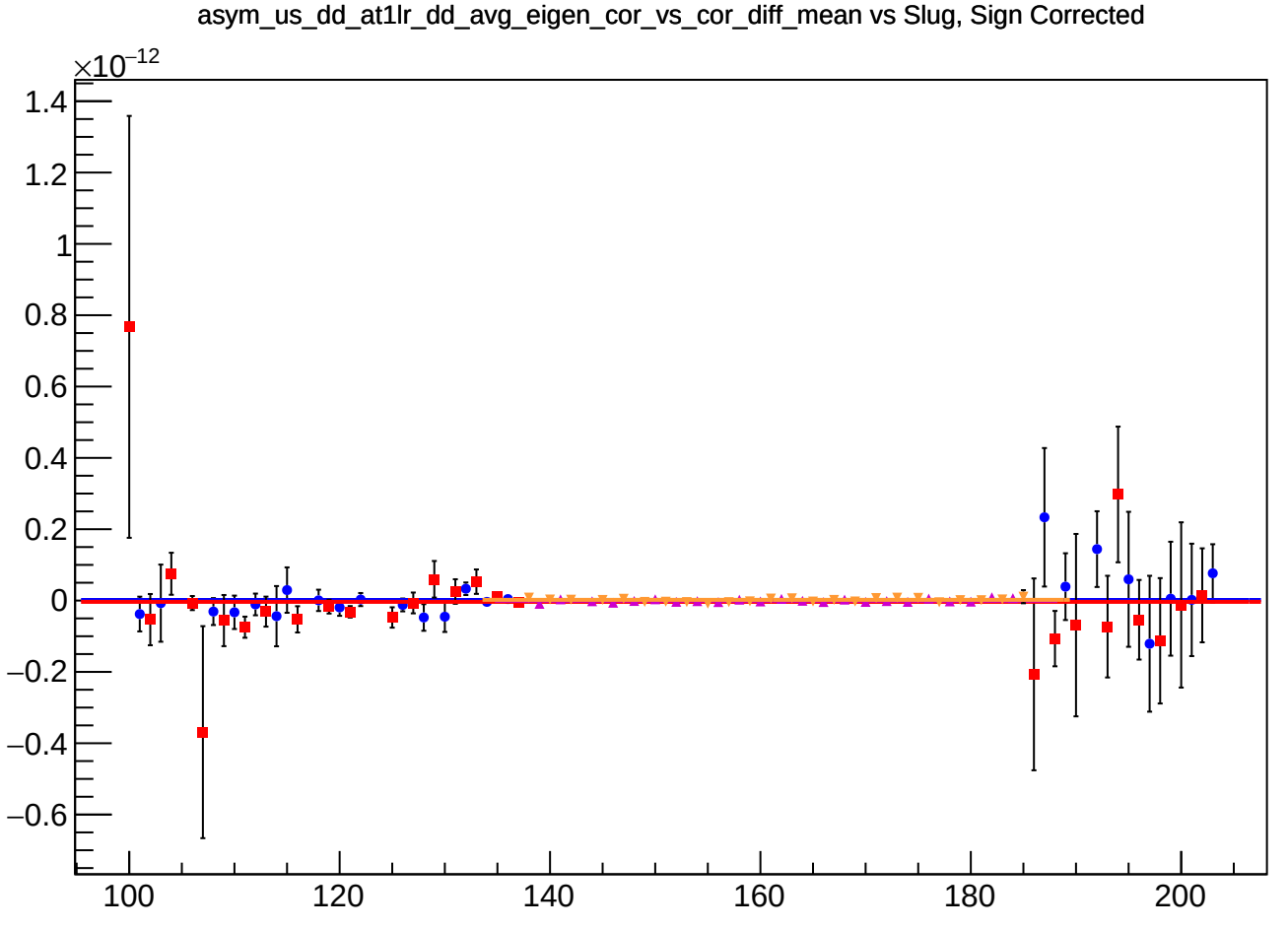
Left: 40.672+/-0.005 χ^2/NDF: 2421851.2/46

Right: 50.038+/-0.008 χ^2/NDF: 6513309.9/50

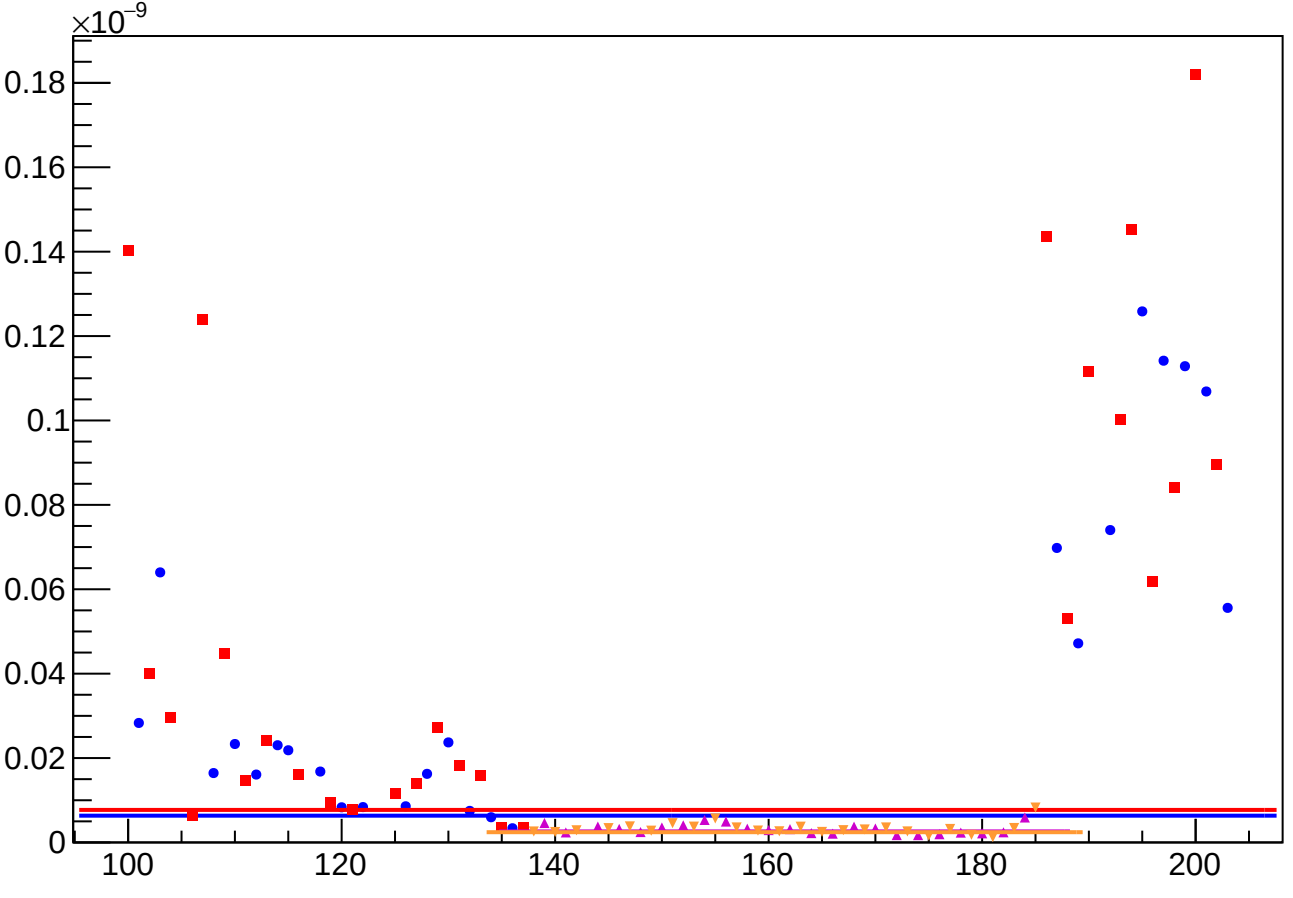
In: 43.686+/-0.006 χ^2/NDF:4391687.8/46

Out: 43.301+/-0.006 χ^2/NDF:5505821.9/50

All: 43.491+/-0.004 χ^2/NDF: 9899442.6/97


asym_us_dd_at1lr_dd_avg_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
1.4
1.2
1
0.8
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: 15.3/23
Left Out: 0.000+/-0.000 χ²/NDF:25.2/23
Right Out: -0.000+/-0.000 χ²/NDF: 34.6/26
Left In: -0.000+/-0.000 χ²/NDF:23.1/22
Left: 0.000+/-0.000 χ²/NDF: 52.2/46
Right: -0.000+/-0.000 χ²/NDF: 50.6/50
In: -0.000+/-0.000 χ²/NDF:38.6/46
Out: 0.000+/-0.000 χ²/NDF:61.1/50
All: 0.000+/-0.000 χ²/NDF: 103.0/97

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: 8611969.8/23

Left Out: 0.000+/-0.000 χ^2/NDF:2792453.3/23

Right Out: 0.000+/-0.000 χ^2/NDF: 10011008.5/26

Left In: 0.000+/-0.000 χ^2/NDF:1949059.2/22

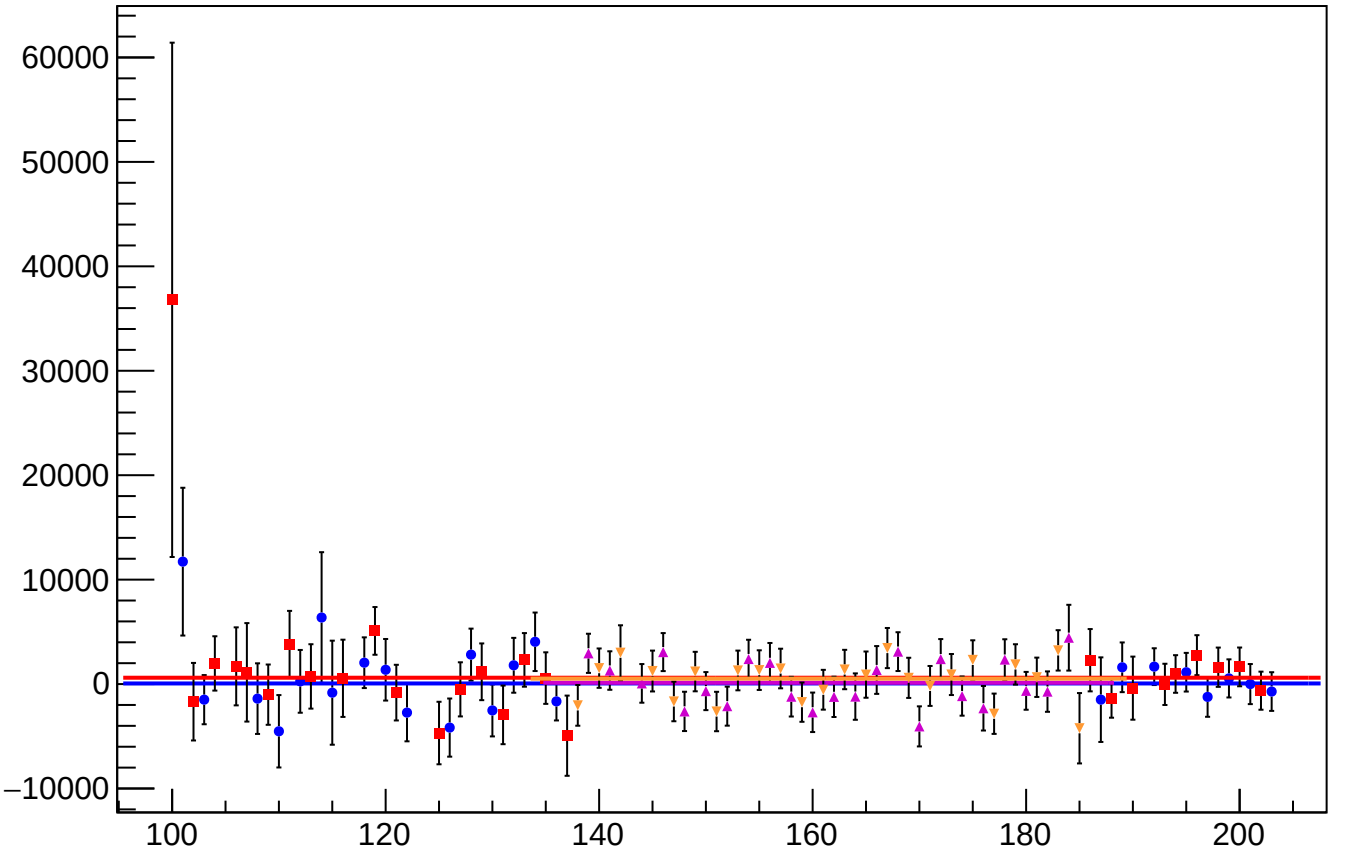
Left: 0.000+/-0.000 χ^2/NDF: 4793027.5/46

Right: 0.000+/-0.000 χ^2/NDF: 18722300.5/50

In: 0.000+/-0.000 χ^2/NDF:12299538.9/46

Out: 0.000+/-0.000 χ^2/NDF:15238741.7/50

All: 0.000+/-0.000 χ^2/NDF: 27603374.0/97



Right In: 58.691+/-501.326 χ^2/NDF: 18.4/23

Left Out: 519.929+/-401.705 χ^2/NDF:20.8/23

Right Out: 607.610+/-488.200 χ^2/NDF: 19.9/26

Left In: 126.031+/-404.630 χ^2/NDF:29.5/22

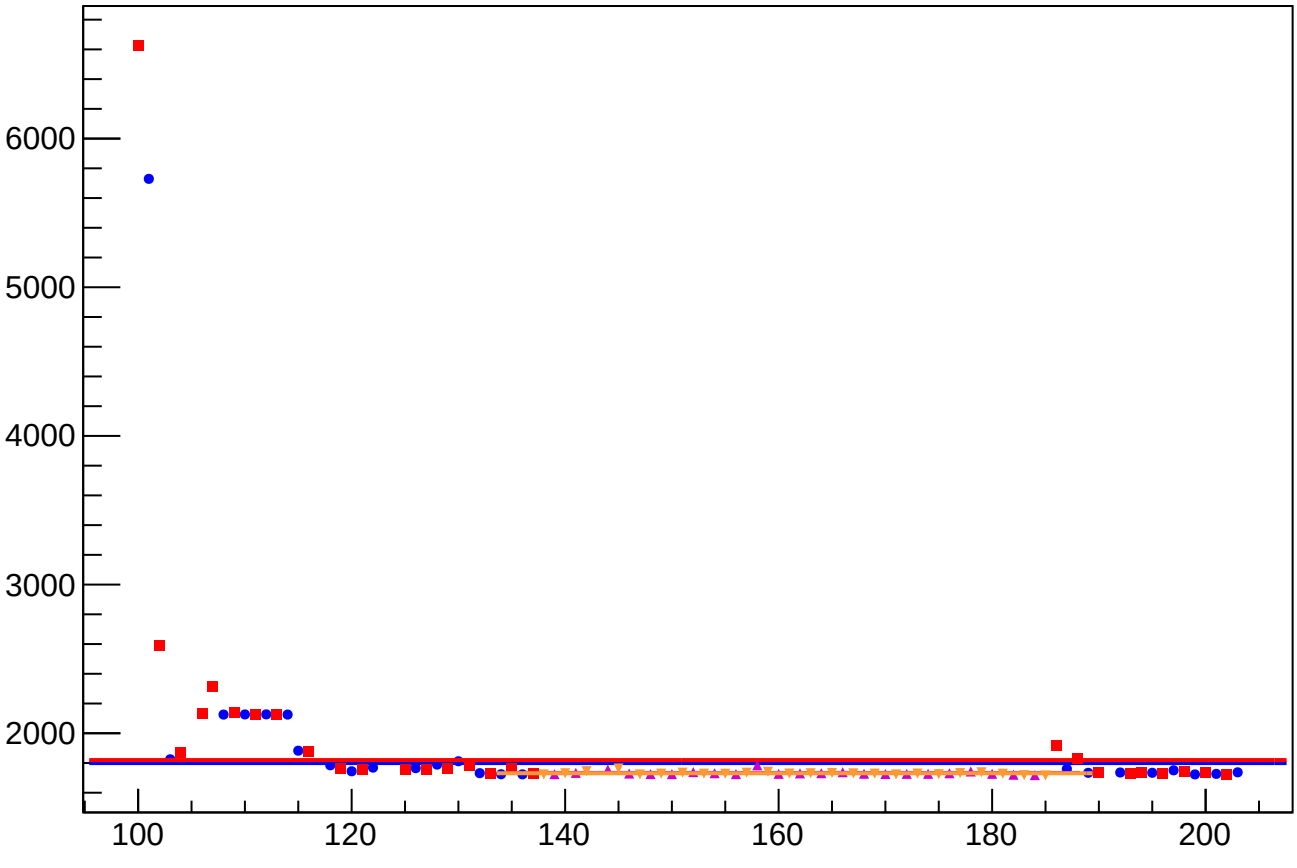
Left: 324.409+/-285.077 χ^2/NDF: 50.7/46

Right: 340.430+/-349.758 χ^2/NDF: 39.0/50

In: 99.467+/-314.866 χ^2/NDF:47.9/46

Out: 555.327+/-310.195 χ^2/NDF:40.7/50

All: 330.804+/-220.974 χ^2/NDF: 89.7/97



Right In: 1799.392+/-0.354 χ^2/NDF: 707759.0/23

Left Out: 1730.847+/-0.284 χ^2/NDF:969.7/23

Right Out: 1819.686+/-0.345 χ^2/NDF: 302840.3/26

Left In: 1733.007+/-0.286 χ^2/NDF:2237.4/22

Left: 1731.919+/-0.202 χ^2/NDF: 3235.8/46

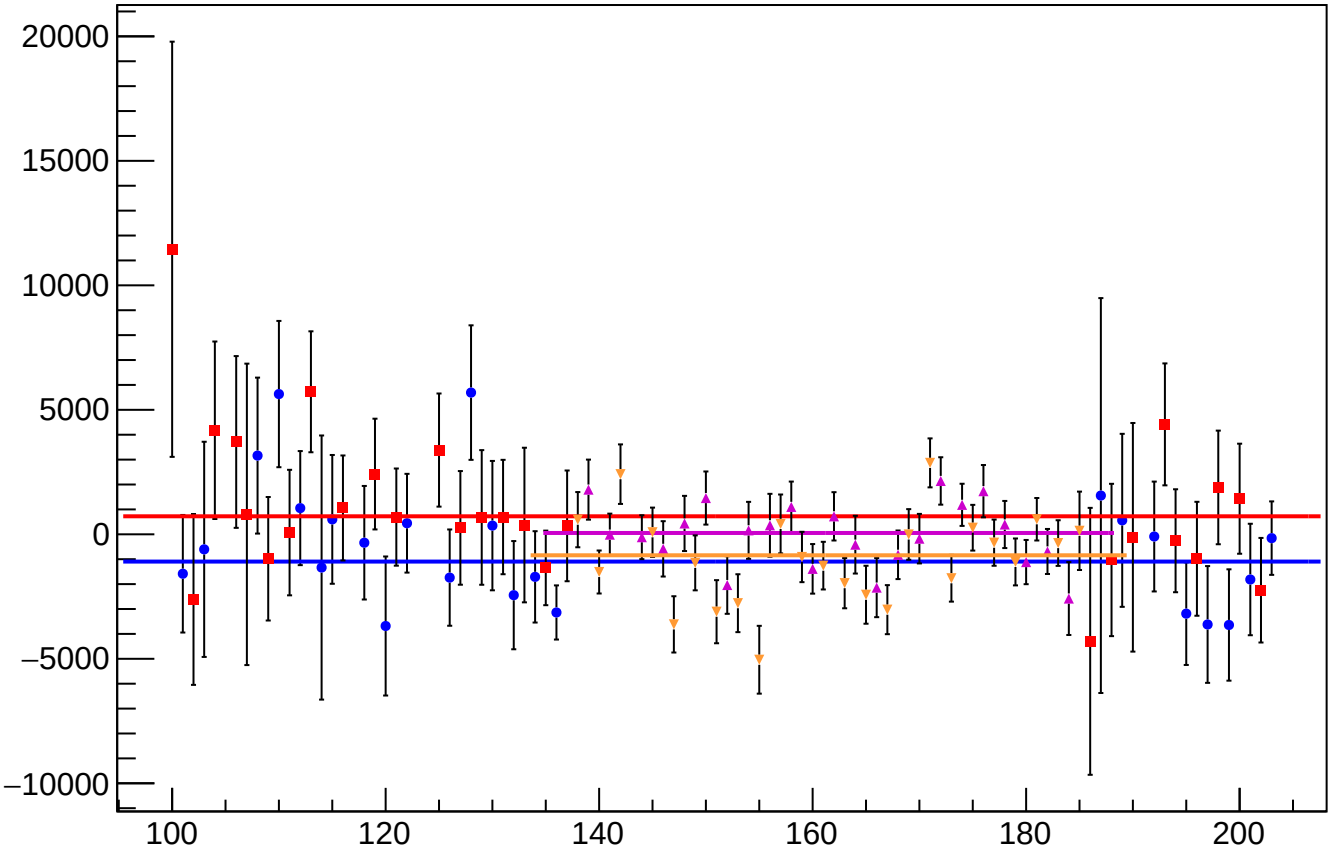
Right: 1809.808+/-0.247 χ^2/NDF: 1012281.4/50

In: 1759.194+/-0.223 χ^2/NDF:731232.1/46

Out: 1766.713+/-0.219 χ^2/NDF:343301.0/50

All: 1763.009+/-0.156 χ^2/NDF: 1075111.9/97

asym_us_dd_at1lr_dd_dd_reg_correction_mean vs Slug, Sign Corrected



Right In: -1094.985+/-452.275 χ^2/NDF: 25.3/23

Left Out: -842.437+/-210.852 χ^2/NDF:62.7/23

Right Out: 723.625+/-480.199 χ^2/NDF: 19.7/26

Left In: 53.905+/-212.966 χ^2/NDF:30.6/22

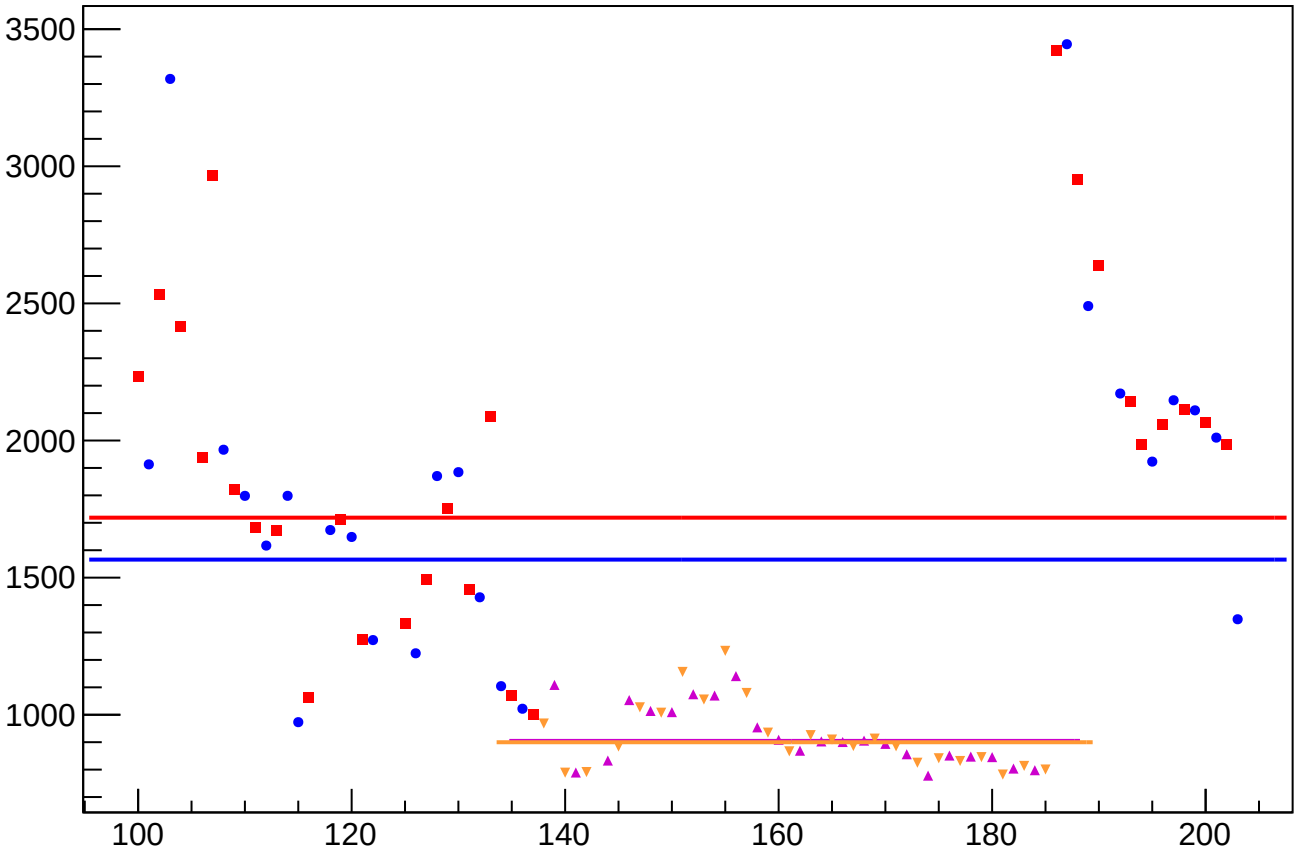
Left: -398.736+/-149.837 χ^2/NDF: 102.3/46

Right: -240.091+/-329.236 χ^2/NDF: 52.6/50

In: -154.602+/-192.674 χ^2/NDF:61.3/46

Out: -589.301+/-193.061 χ^2/NDF:91.3/50

All: -371.516+/-136.378 χ^2/NDF: 155.1/97



Right In: 1565.794+/-0.320 χ^2/NDF: 2158660.5/23

Left Out: 899.811+/-0.149 χ^2/NDF:495328.4/23

Right Out: 1718.714+/-0.340 χ^2/NDF: 2193202.3/26

Left In: 904.656+/-0.151 χ^2/NDF:452251.7/22

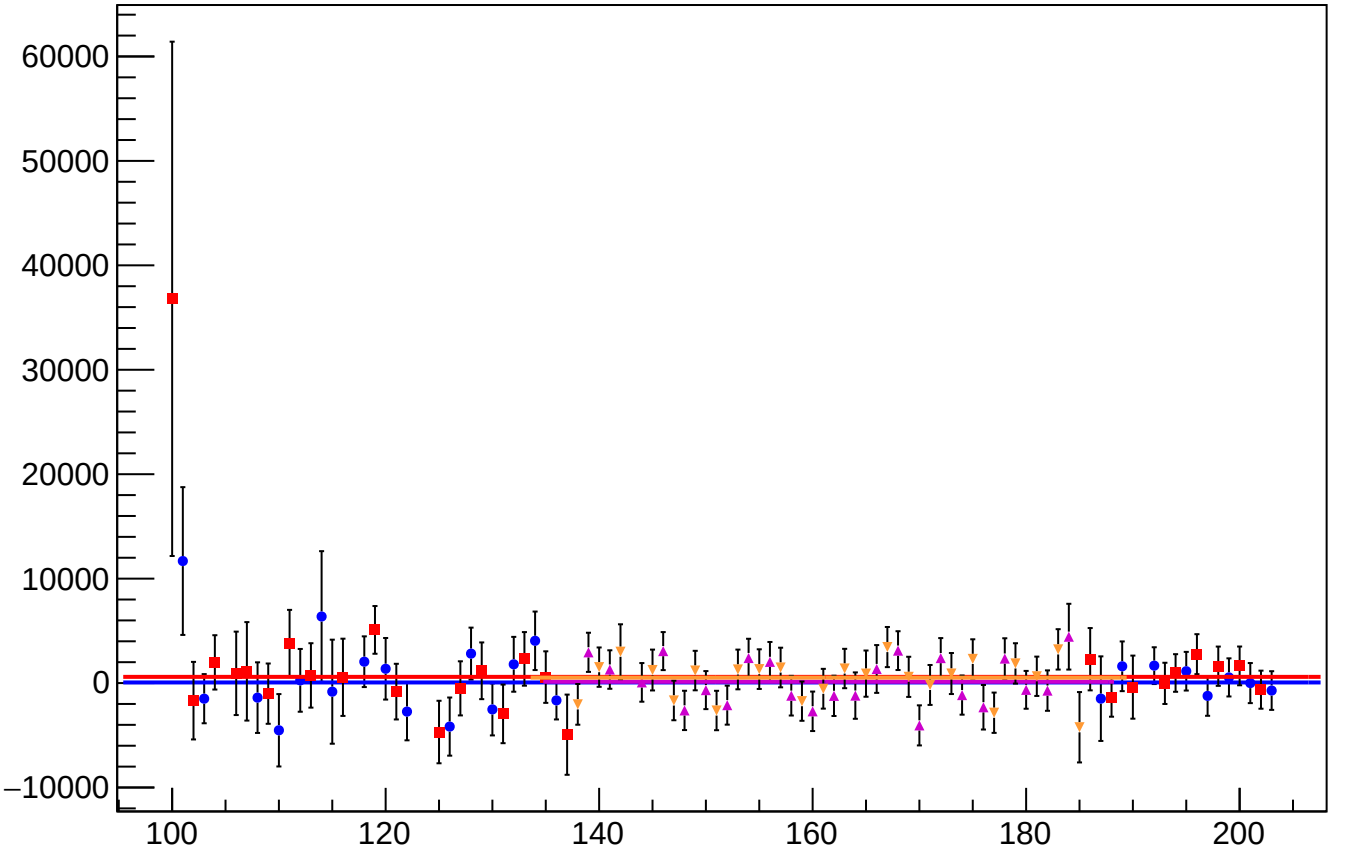
Left: 902.210+/-0.106 χ^2/NDF: 948102.8/46

Right: 1637.679+/-0.233 χ^2/NDF: 4459342.2/50

In: 1024.643+/-0.136 χ^2/NDF:6109033.4/46

Out: 1032.178+/-0.137 χ^2/NDF:7564747.0/50

All: 1028.403+/-0.096 χ^2/NDF: 13675306.7/9



Right In: 58.316+/-501.326 χ^2/NDF: 18.4/23

Left Out: 519.957+/-401.705 χ^2/NDF:20.8/23

Right Out: 594.016+/-488.723 χ^2/NDF: 19.8/26

Left In: 126.091+/-404.630 χ^2/NDF:29.5/22

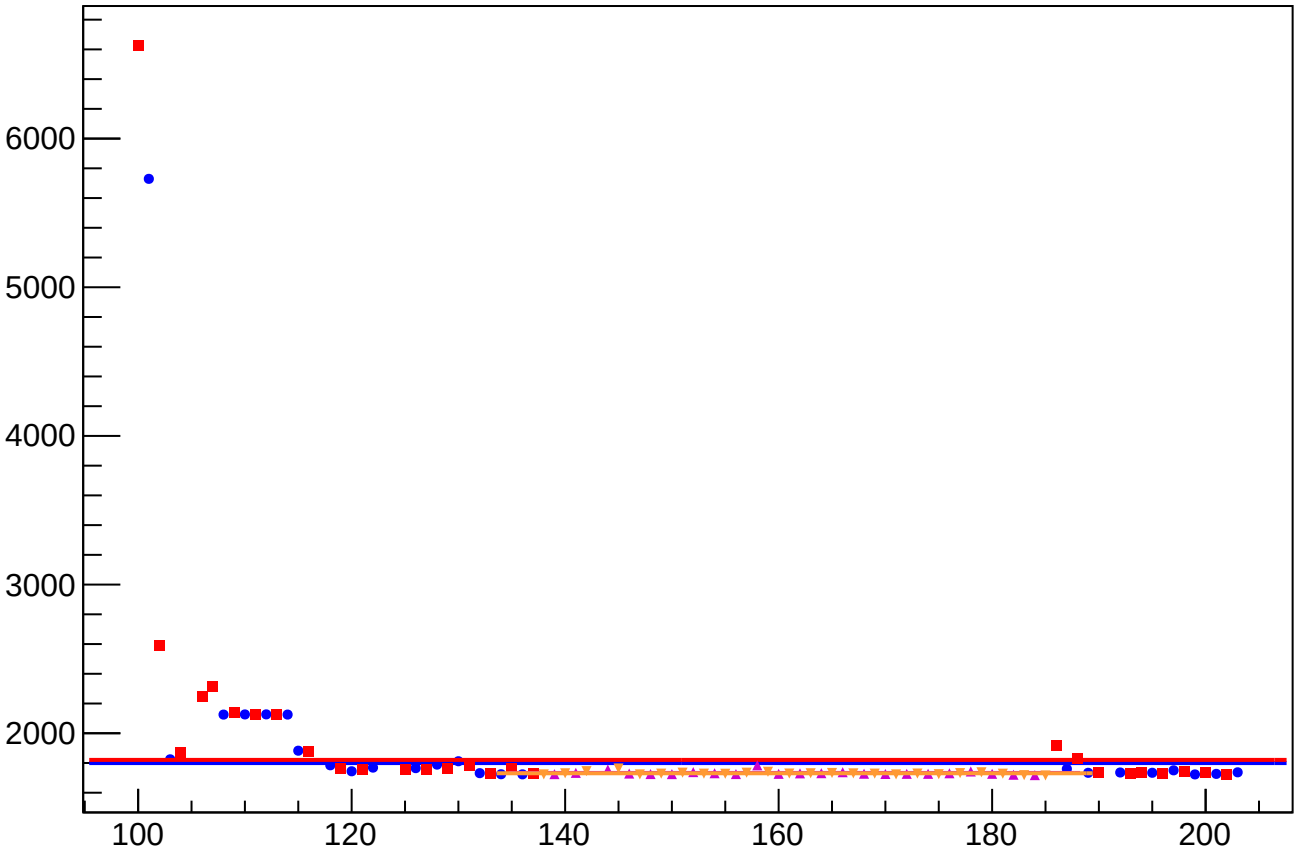
Left: 324.453+/-285.077 χ^2/NDF: 50.7/46

Right: 332.984+/-349.950 χ^2/NDF: 38.8/50

In: 99.356+/-314.866 χ^2/NDF:47.9/46

Out: 549.817+/-310.329 χ^2/NDF:40.6/50

All: 327.856+/-221.023 χ^2/NDF: 89.5/97



Right In: 1799.392+/-0.354 χ^2/NDF: 707758.9/23

Left Out: 1730.847+/-0.284 χ^2/NDF:969.7/23

Right Out: 1820.762+/-0.346 χ^2/NDF: 311931.7/26

Left In: 1733.007+/-0.286 χ^2/NDF:2237.4/22

Left: 1731.919+/-0.202 χ^2/NDF: 3235.8/46

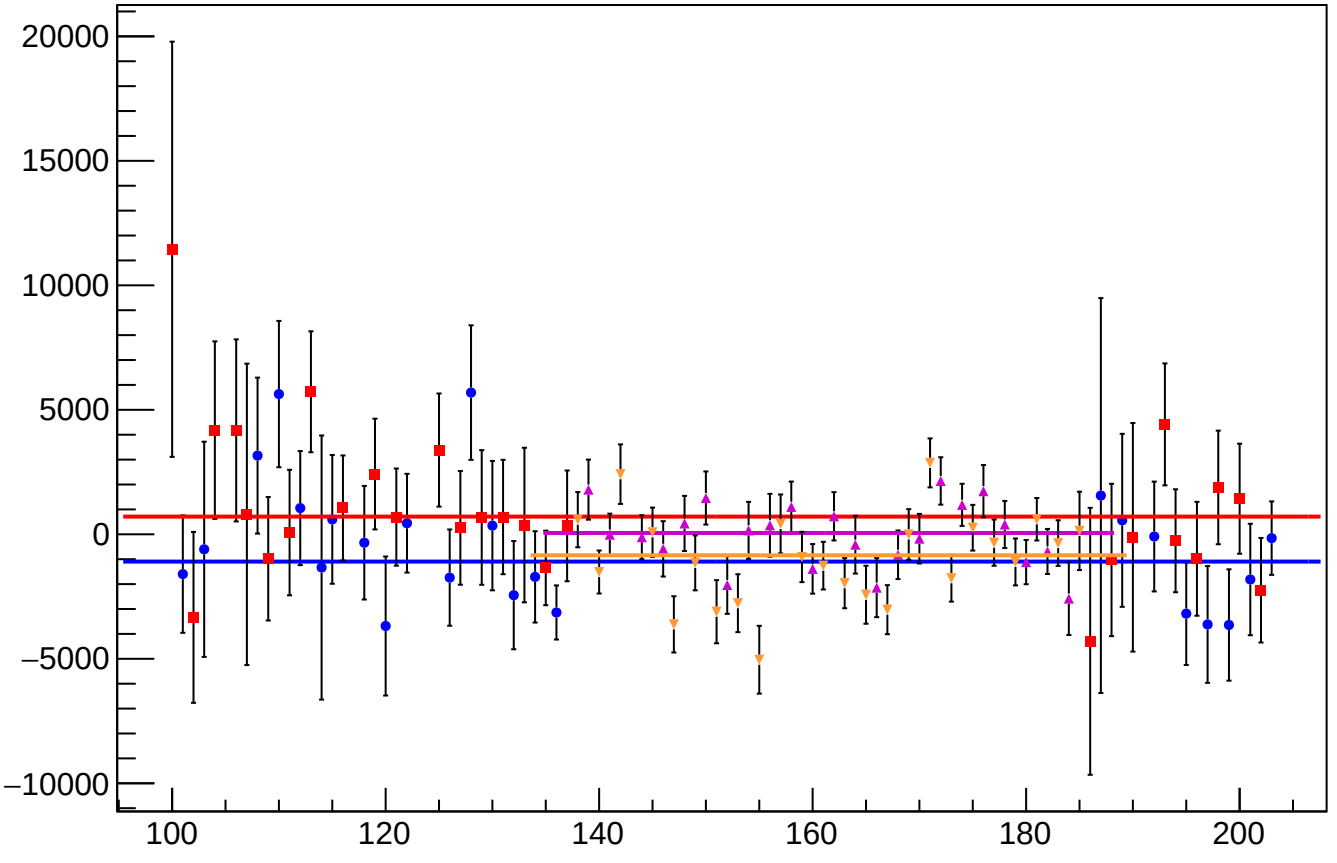
Right: 1810.349+/-0.247 χ^2/NDF: 1021553.9/50

In: 1759.194+/-0.223 χ^2/NDF:731231.9/46

Out: 1767.101+/-0.219 χ^2/NDF:353303.5/50

All: 1763.205+/-0.156 χ^2/NDF: 1085175.1/97

asym_us_dd_at1lr_dd_dd_cor_correction_mean vs Slug, Sign Corrected



Right In: -1095.507+/-452.252 χ^2/NDF: 25.3/23

Left Out: -842.473+/-210.853 χ^2/NDF:62.7/23

Right Out: 711.274+/-480.710 χ^2/NDF: 20.3/26

Left In: 53.927+/-212.965 χ^2/NDF:30.6/22

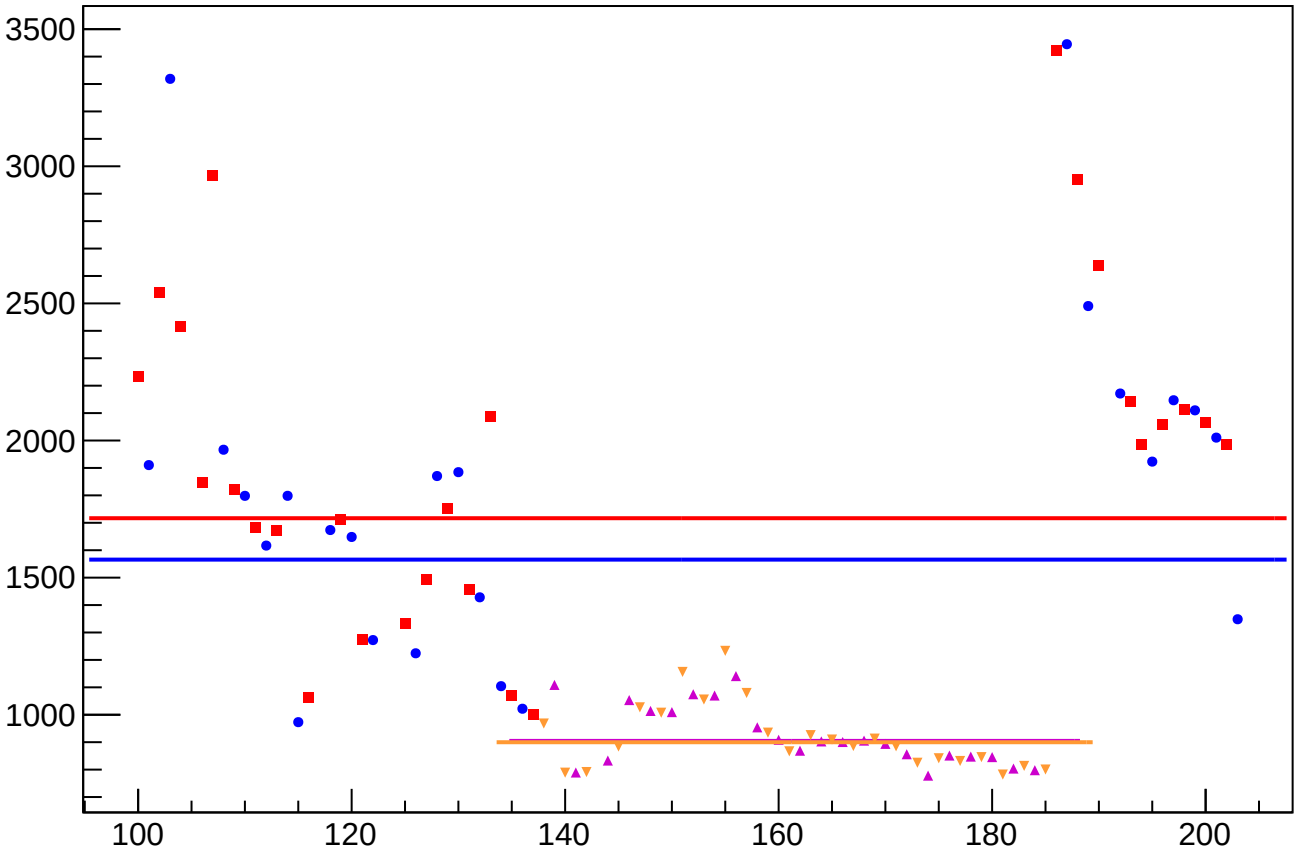
Left: -398.741+/-149.837 χ^2/NDF: 102.3/46

Right: -247.177+/-329.392 χ^2/NDF: 53.1/50

In: -154.695+/-192.672 χ^2/NDF:61.3/46

Out: -591.774+/-193.094 χ^2/NDF:91.8/50

All: -372.756+/-136.389 χ^2/NDF: 155.6/97



Right In: 1565.728+/-0.320 χ^2/NDF: 2158192.3/23

Left Out: 899.814+/-0.149 χ^2/NDF:495276.2/23

Right Out: 1716.711+/-0.340 χ^2/NDF: 2189035.6/26

Left In: 904.653+/-0.151 χ^2/NDF:452259.2/22

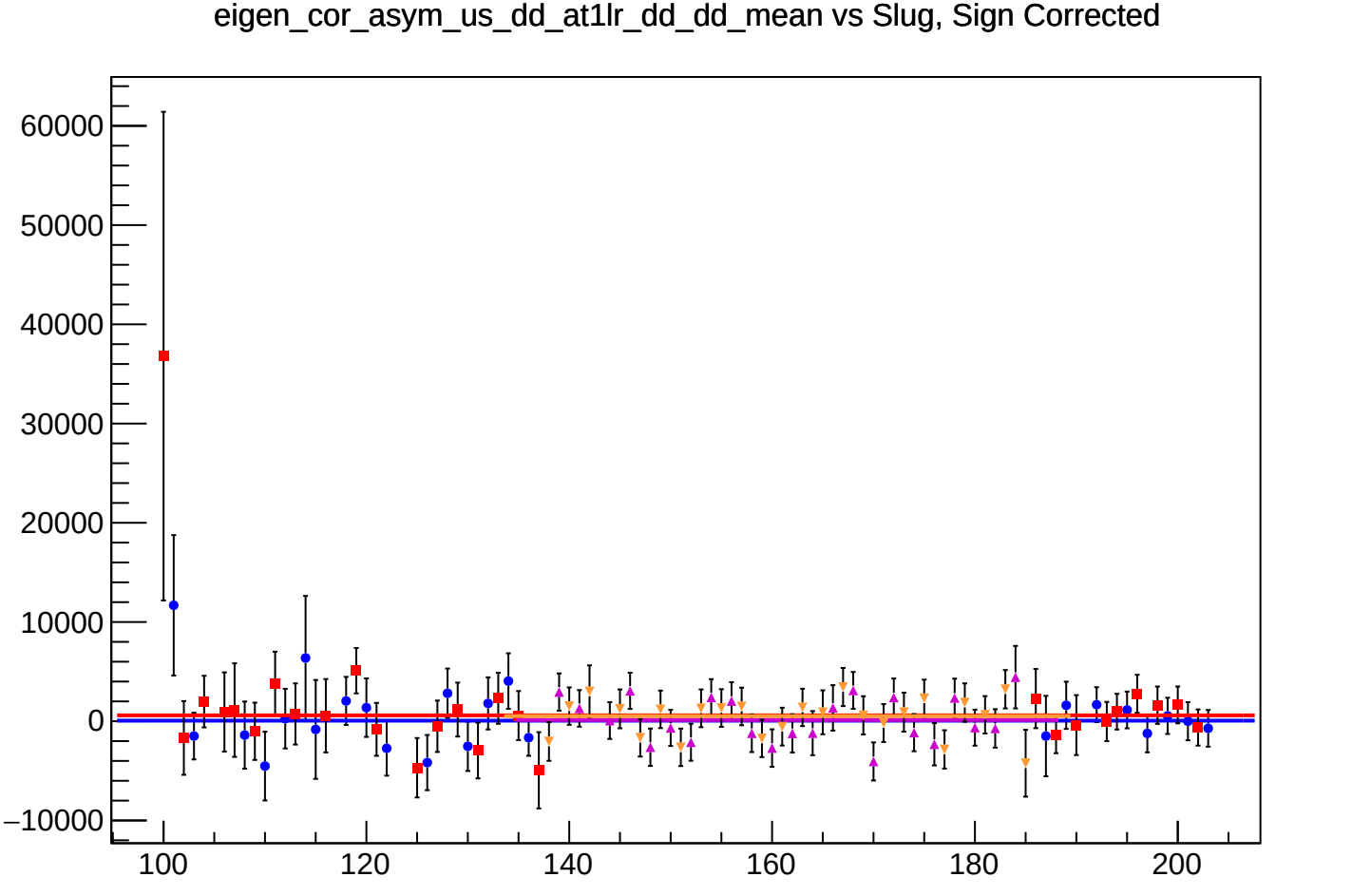
Left: 902.209+/-0.106 χ^2/NDF: 948056.7/46

Right: 1636.619+/-0.233 χ^2/NDF: 4451888.7/50

In: 1024.638+/-0.136 χ^2/NDF:6108209.3/46

Out: 1031.622+/-0.137 χ^2/NDF:7528026.0/50

All: 1028.122+/-0.096 χ^2/NDF: 13637546.3/9



Right In: 58.316+/-501.326 χ^2/NDF: 18.4/23

Left Out: 519.957+/-401.705 χ^2/NDF:20.8/23

Right Out: 594.016+/-488.723 χ^2/NDF: 19.8/26

Left In: 126.091+/-404.630 χ^2/NDF:29.5/22

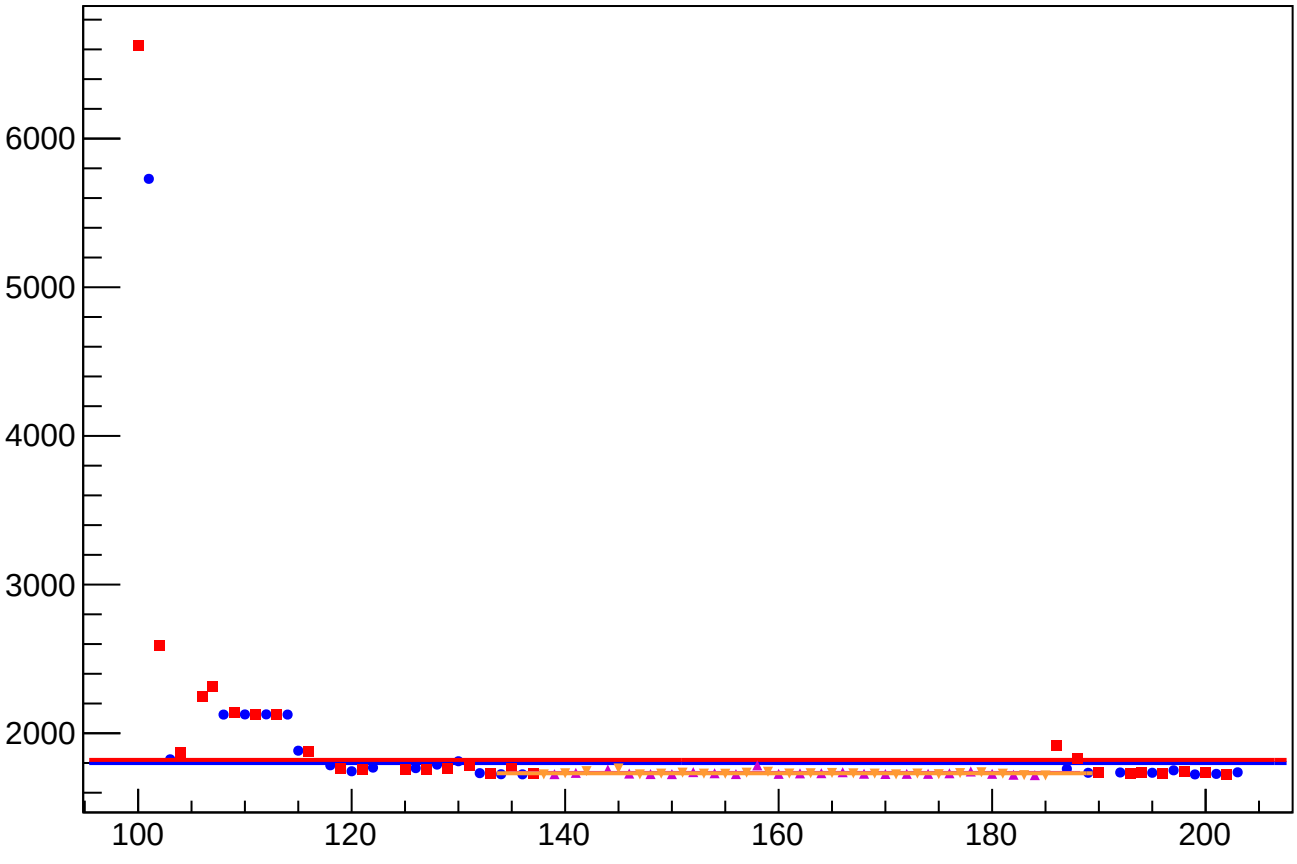
Left: 324.453+/-285.077 χ^2/NDF: 50.7/46

Right: 332.984+/-349.950 χ^2/NDF: 38.8/50

In: 99.356+/-314.866 χ^2/NDF:47.9/46

Out: 549.817+/-310.329 χ^2/NDF:40.6/50

All: 327.856+/-221.023 χ^2/NDF: 89.5/97



Right In: 1799.392+/-0.354 χ^2/NDF: 707758.9/23

Left Out: 1730.847+/-0.284 χ^2/NDF:969.7/23

Right Out: 1820.762+/-0.346 χ^2/NDF: 311931.7/26

Left In: 1733.007+/-0.286 χ^2/NDF:2237.4/22

Left: 1731.919+/-0.202 χ^2/NDF: 3235.8/46

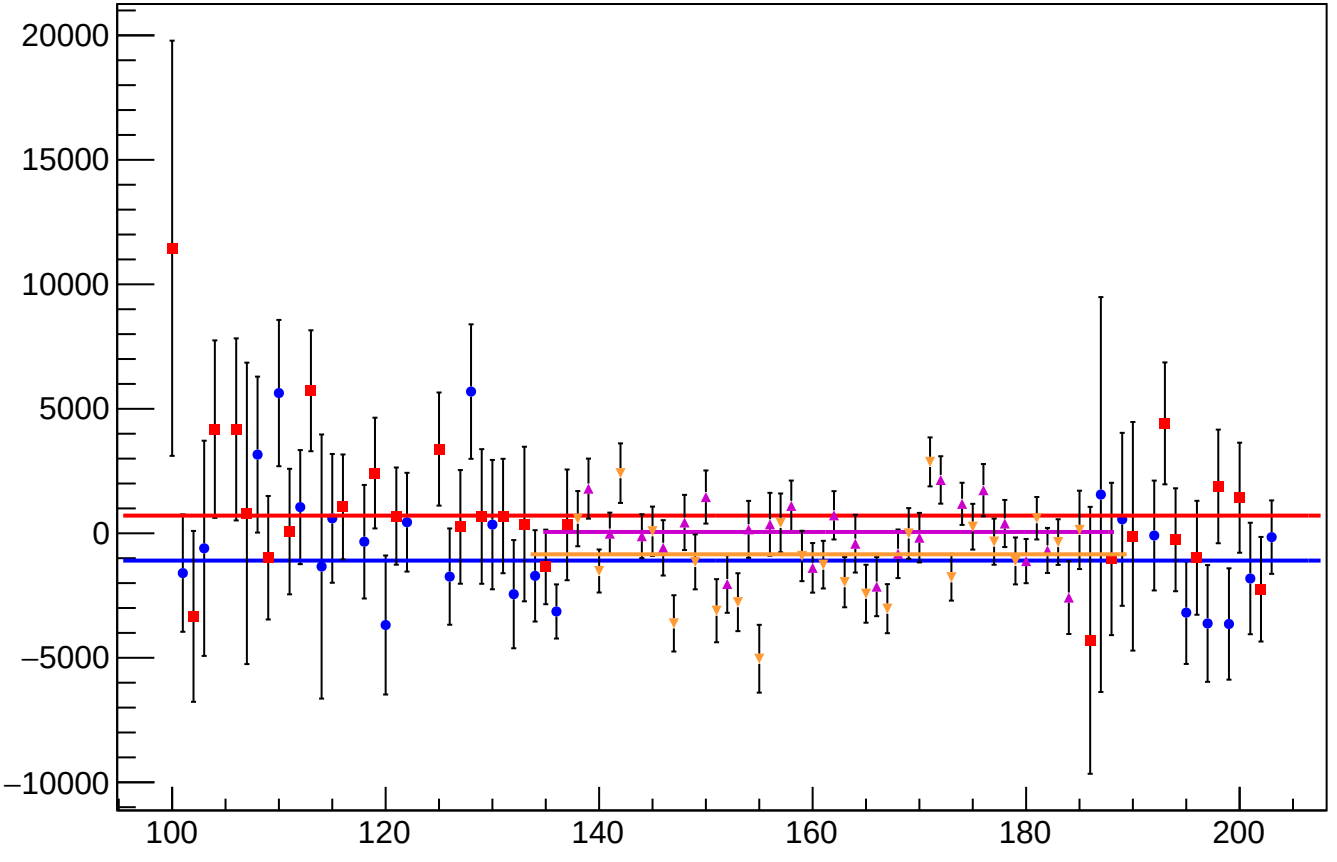
Right: 1810.349+/-0.247 χ^2/NDF: 1021553.9/50

In: 1759.194+/-0.223 χ^2/NDF:731231.9/46

Out: 1767.101+/-0.219 χ^2/NDF:353303.5/50

All: 1763.205+/-0.156 χ^2/NDF: 1085175.1/97

asym_us_dd_at1lr_dd_dd_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -1095.507+/-452.252 χ^2/NDF: 25.3/23

Left Out: -842.473+/-210.853 χ^2/NDF:62.7/23

Right Out: 711.274+/-480.710 χ^2/NDF: 20.3/26

Left In: 53.927+/-212.965 χ^2/NDF:30.6/22

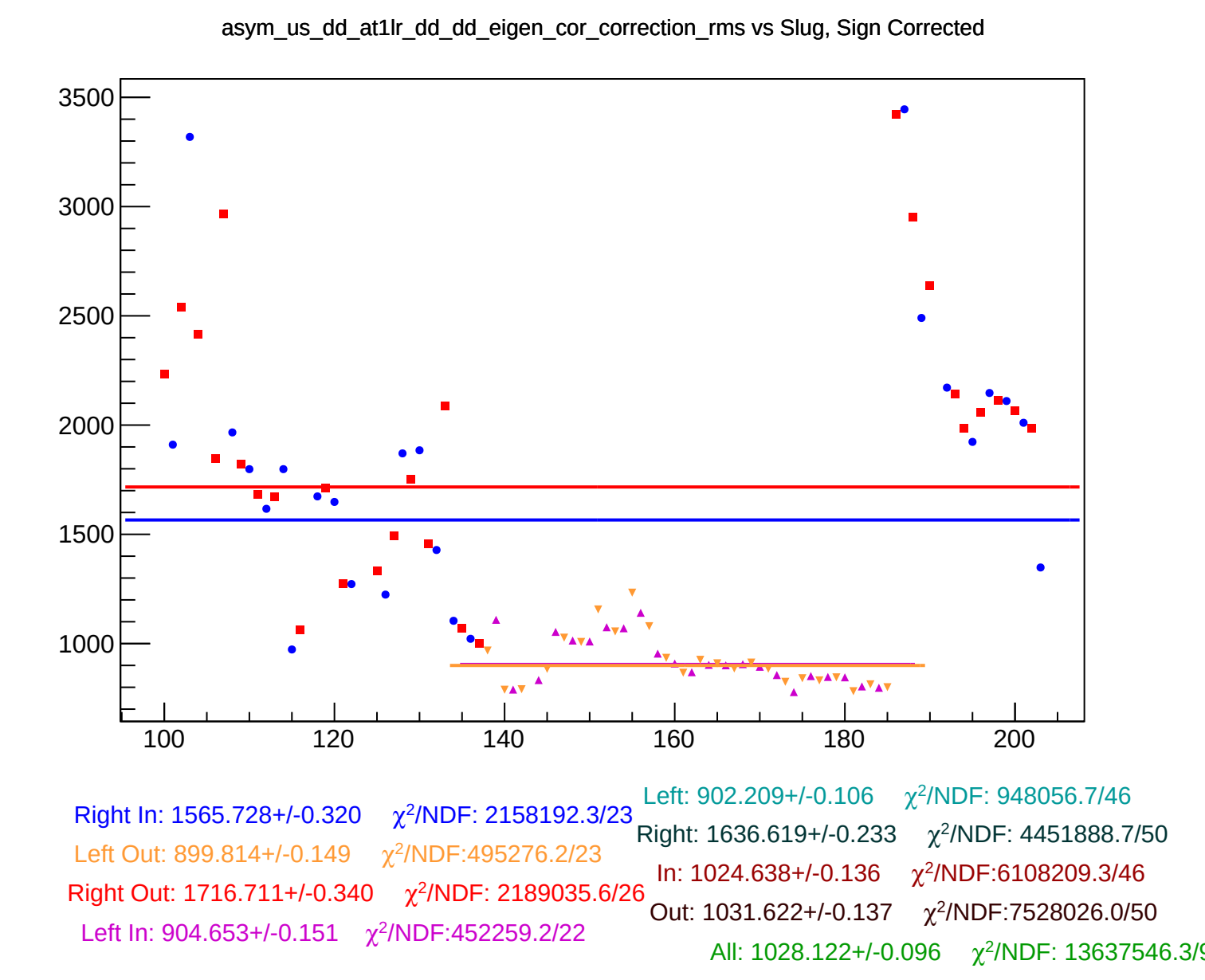
Left: -398.741+/-149.837 χ^2/NDF: 102.3/46

Right: -247.177+/-329.392 χ^2/NDF: 53.1/50

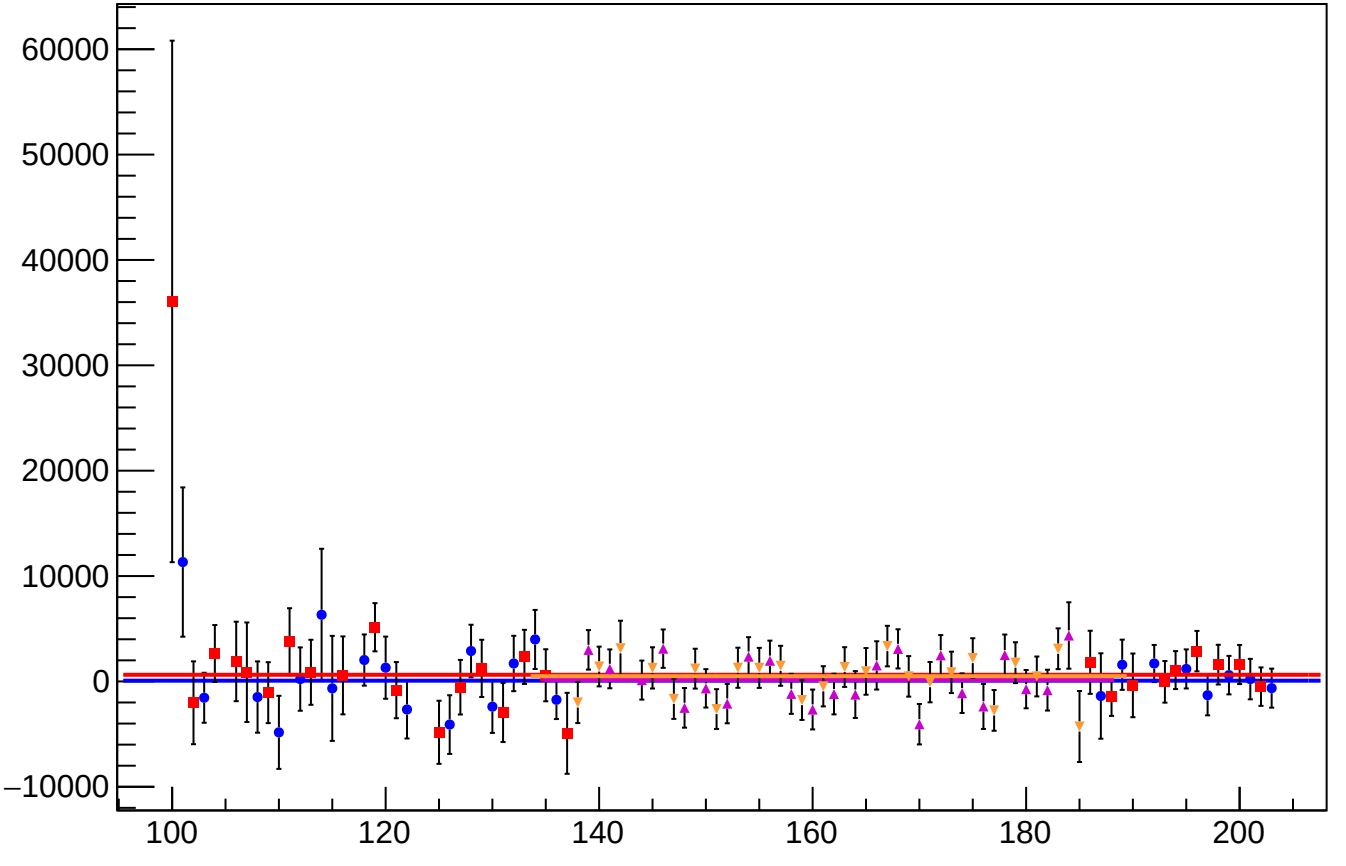
In: -154.695+/-192.672 χ^2/NDF:61.3/46

Out: -591.774+/-193.094 χ^2/NDF:91.8/50

All: -372.756+/-136.389 χ^2/NDF: 155.6/97


asym_us_dd_at1lr_dd_dd_eigen_cor_correction_rms vs Slug, Sign Corrected
3500
3000
2500
2000
1500
1000
100
120
140
160
180
200
Right In: 1565.728+/-0.320 χ²/NDF: 2158192.3/23
Left Out: 899.814+/-0.149 χ²/NDF:495276.2/23
Right Out: 1716.711+/-0.340 χ²/NDF: 2189035.6/26
Left In: 904.653+/-0.151 χ²/NDF:452259.2/22
Left: 902.209+/-0.106 χ²/NDF: 948056.7/46
Right: 1636.619+/-0.233 χ²/NDF: 4451888.7/50
In: 1024.638+/-0.136 χ²/NDF:6108209.3/46
Out: 1031.622+/-0.137 χ²/NDF:7528026.0/50
All: 1028.122+/-0.096 χ²/NDF: 13637546.3/9

dit_asym_us_dd_at1lr_dd_dd_mean vs Slug, Sign Corrected



Right In: 70.894+/-501.903 χ^2/NDF: 18.4/23

Left Out: 494.897+/-402.069 χ^2/NDF:20.1/23

Right Out: 629.182+/-489.820 χ^2/NDF: 20.3/26

Left In: 137.162+/-404.995 χ^2/NDF:29.6/22

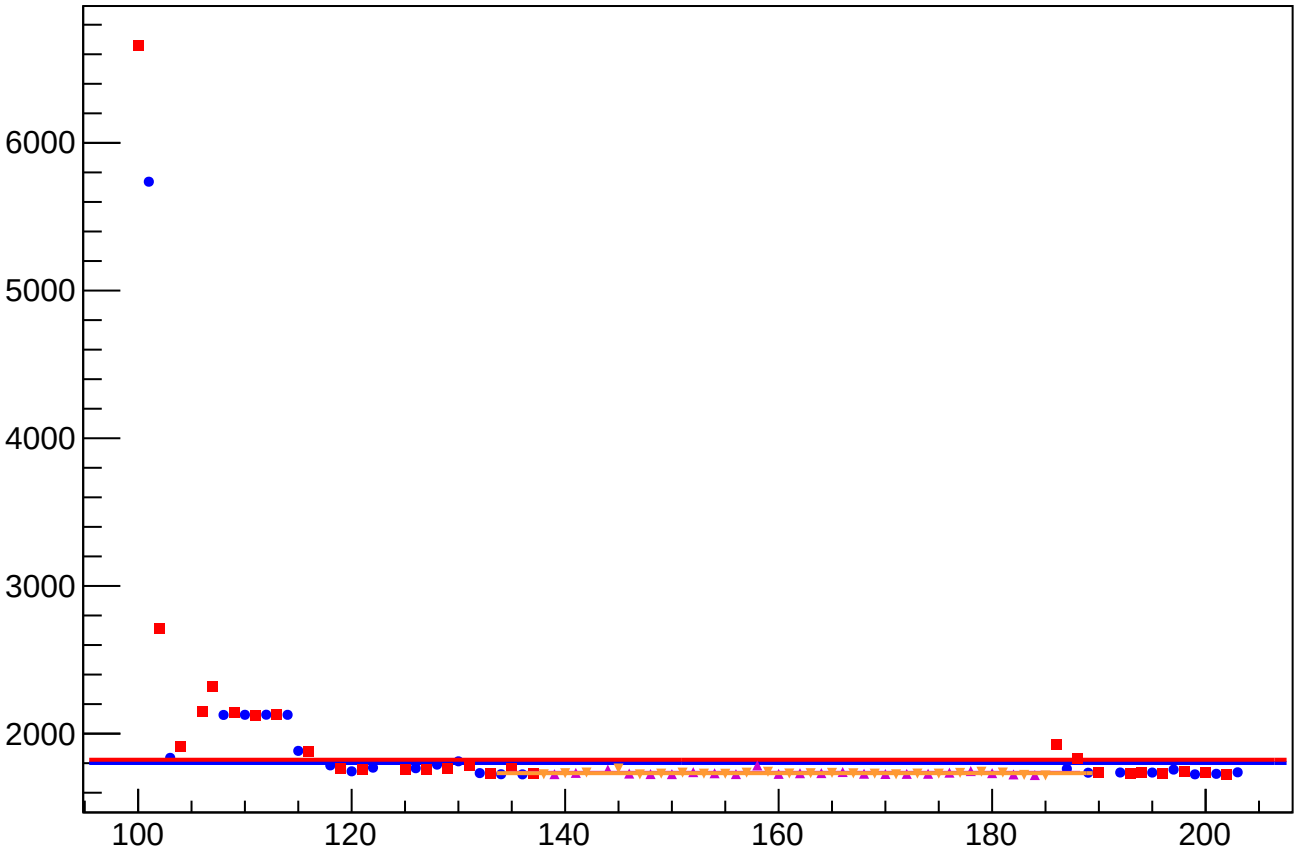
Left: 317.326+/-285.335 χ^2/NDF: 50.0/46

Right: 356.839+/-350.549 χ^2/NDF: 39.3/50

In: 111.029+/-315.181 χ^2/NDF:47.9/46

Out: 548.954+/-310.778 χ^2/NDF:40.4/50

All: 333.073+/-221.293 χ^2/NDF: 89.3/97



Right In: 1801.305+/-0.355 χ^2/NDF: 708039.8/23

Left Out: 1732.389+/-0.284 χ^2/NDF:910.8/23

Right Out: 1823.308+/-0.346 χ^2/NDF: 322380.9/26

Left In: 1734.568+/-0.286 χ^2/NDF:2215.7/22

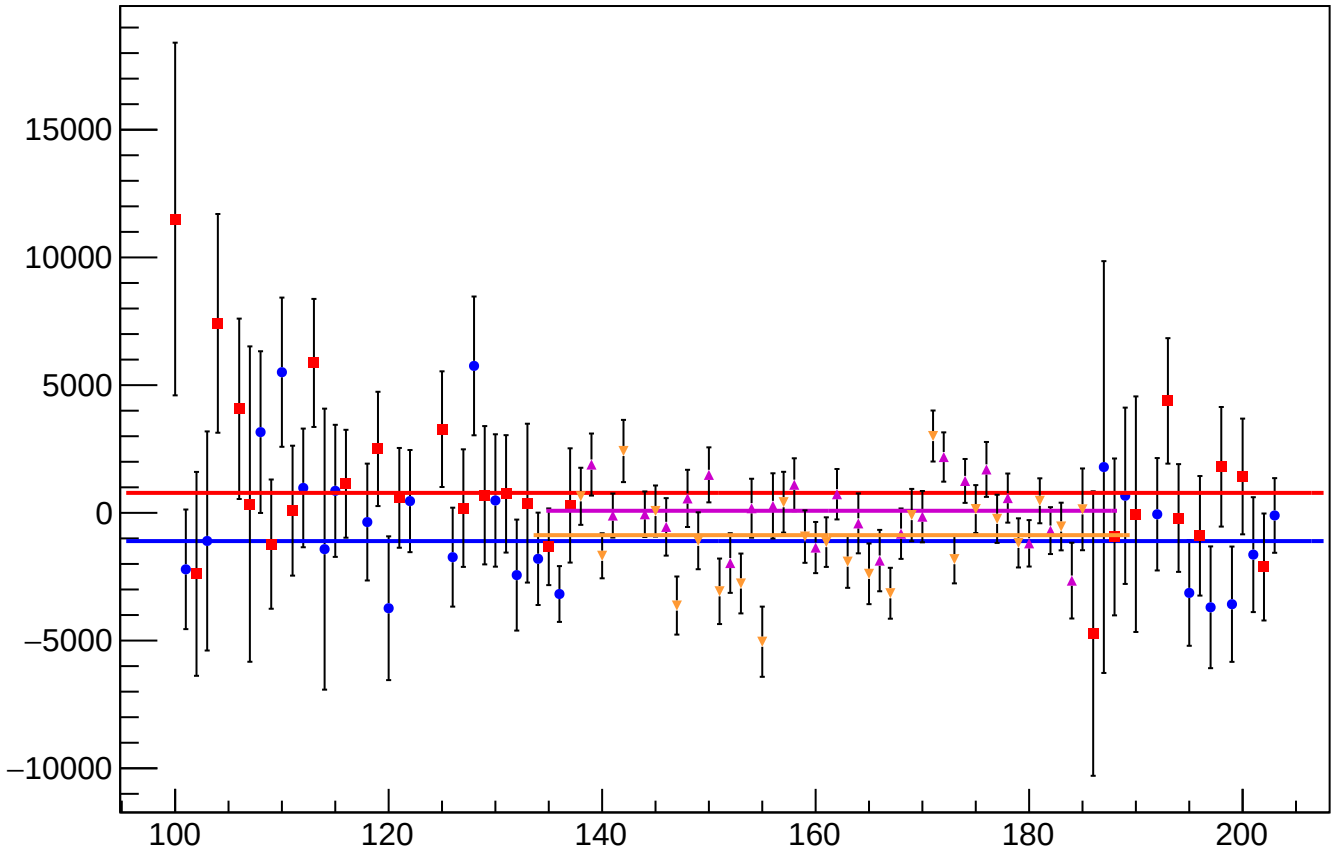
Left: 1733.471+/-0.202 χ^2/NDF: 3155.7/46

Right: 1812.574+/-0.248 χ^2/NDF: 1032389.4/50

In: 1760.886+/-0.223 χ^2/NDF:731671.7/46

Out: 1768.989+/-0.220 χ^2/NDF:364459.9/50

All: 1764.994+/-0.156 χ^2/NDF: 1096801.9/97



Right In: -1105.040+/-452.990 χ^2/NDF: 25.6/23

Left Out: -872.827+/-214.008 χ^2/NDF:62.0/23

Right Out: 781.973+/-486.739 χ^2/NDF: 21.5/26

Left In: 81.519+/-215.913 χ^2/NDF:30.0/22

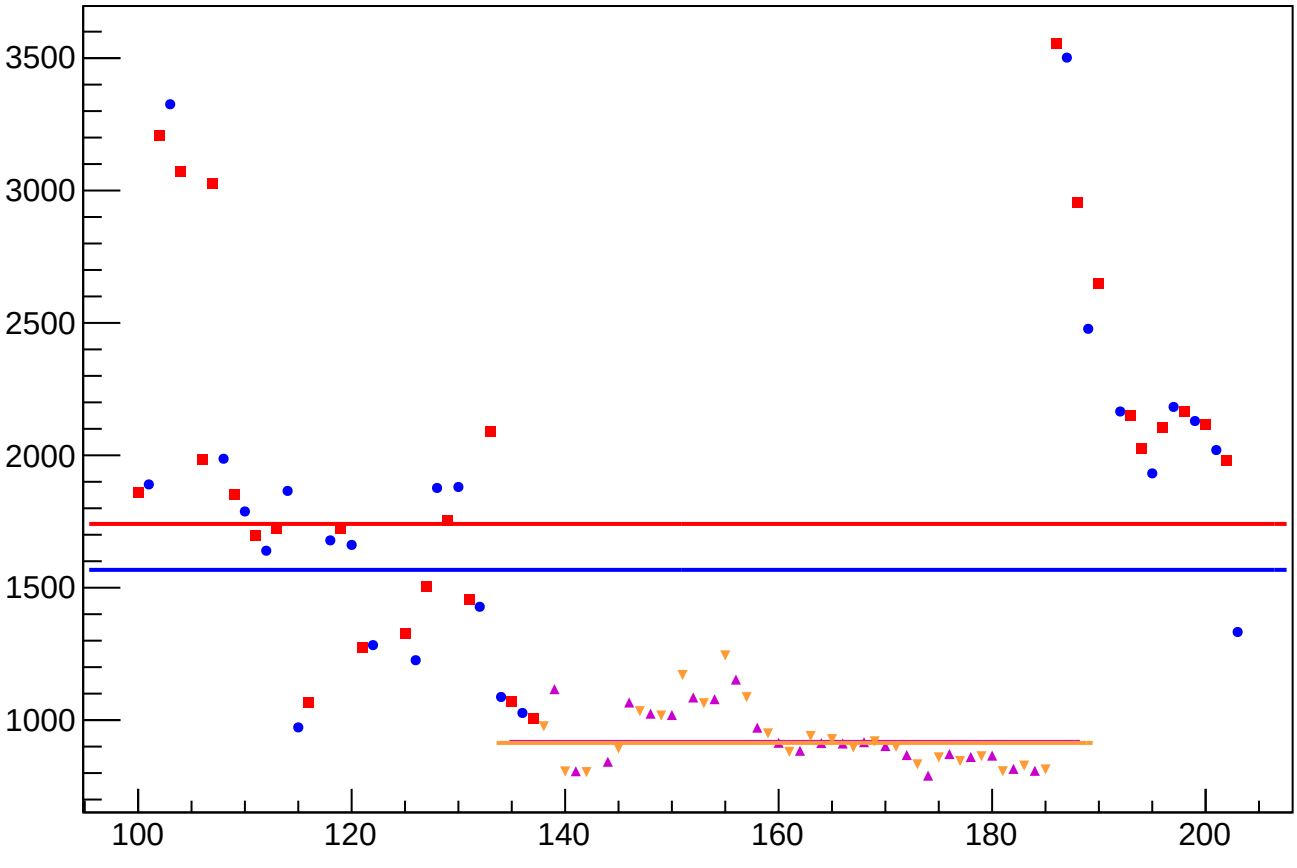
Left: -399.884+/-151.996 χ^2/NDF: 101.8/46

Right: -229.215+/-331.602 χ^2/NDF: 55.2/50

In: -138.146+/-194.906 χ^2/NDF:61.2/46

Out: -604.752+/-195.908 χ^2/NDF:93.2/50

All: -370.252+/-138.172 χ^2/NDF: 157.2/97



Right In: 1567.404+/-0.320 χ^2/NDF: 2191399.5/23

Left Out: 913.899+/-0.151 χ^2/NDF:462850.2/23

Right Out: 1740.916+/-0.344 χ^2/NDF: 2530670.3/26

Left In: 917.674+/-0.153 χ^2/NDF:430498.5/22

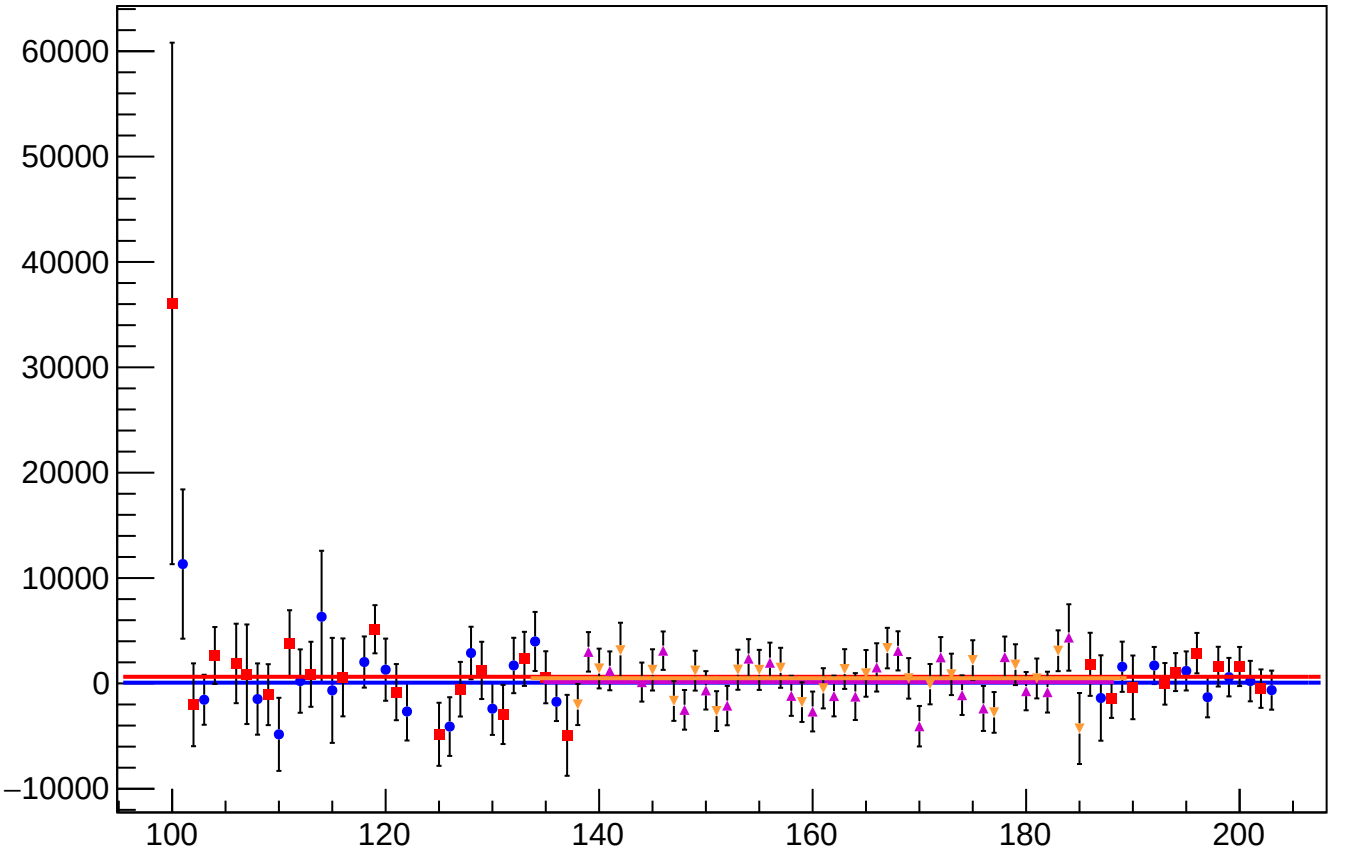
Left: 915.770+/-0.107 χ^2/NDF: 893657.1/46

Right: 1647.937+/-0.234 χ^2/NDF: 4858263.0/50

In: 1037.957+/-0.138 χ^2/NDF:5974701.6/46

Out: 1047.874+/-0.139 χ^2/NDF:7832038.1/50

All: 1042.890+/-0.098 χ^2/NDF: 13809315.5/9



Right In: 70.895+/-501.903 χ^2/NDF: 18.4/23

Left Out: 494.897+/-402.069 χ^2/NDF:20.1/23

Right Out: 629.182+/-489.820 χ^2/NDF: 20.3/26

Left In: 137.163+/-404.995 χ^2/NDF:29.6/22

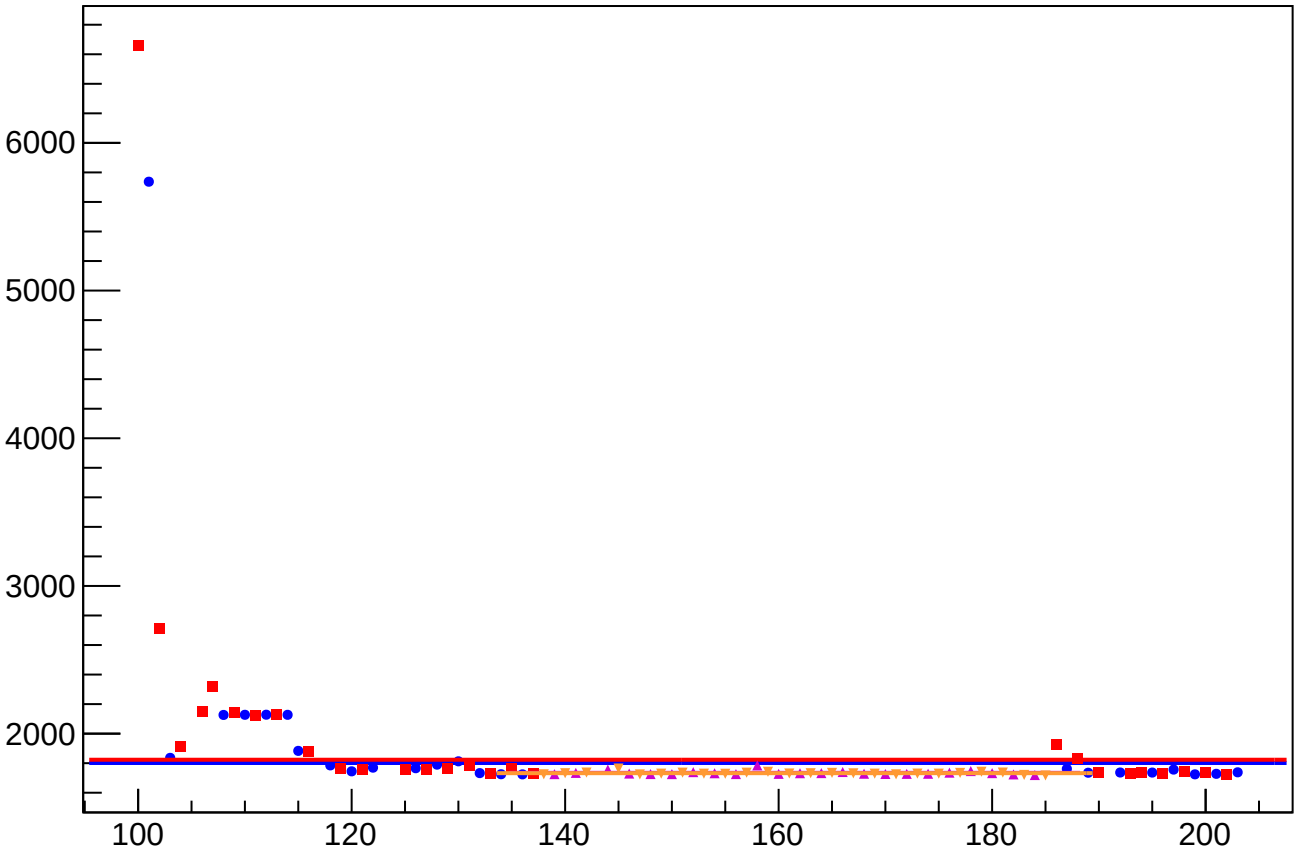
Left: 317.327+/-285.335 χ^2/NDF: 50.0/46

Right: 356.839+/-350.549 χ^2/NDF: 39.3/50

In: 111.030+/-315.181 χ^2/NDF:47.9/46

Out: 548.954+/-310.778 χ^2/NDF:40.4/50

All: 333.073+/-221.293 χ^2/NDF: 89.3/97



Right In: 1801.305+/-0.355 χ^2/NDF: 708039.8/23

Left Out: 1732.389+/-0.284 χ^2/NDF:910.8/23

Right Out: 1823.308+/-0.346 χ^2/NDF: 322380.6/26

Left In: 1734.568+/-0.286 χ^2/NDF:2215.7/22

Left: 1733.471+/-0.202 χ^2/NDF: 3155.7/46

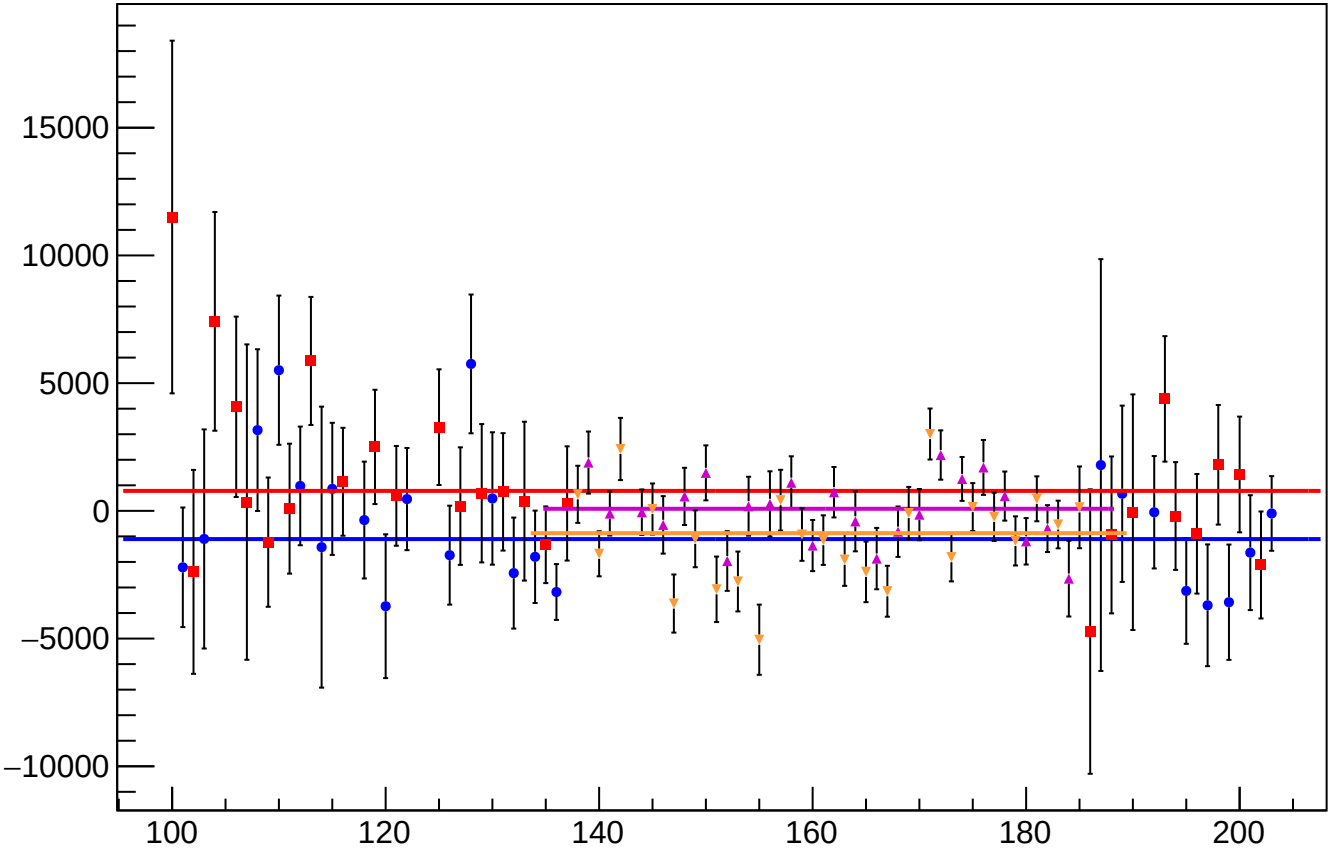
Right: 1812.574+/-0.248 χ^2/NDF: 1032389.1/50

In: 1760.886+/-0.223 χ^2/NDF:731671.6/46

Out: 1768.989+/-0.220 χ^2/NDF:364459.6/50

All: 1764.994+/-0.156 χ^2/NDF: 1096801.5/97

asym_us_dd_at1lr_dd_dd_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -1105.036+/-452.989 χ^2/NDF: 25.6/23

Left Out: -872.826+/-214.008 χ^2/NDF:62.0/23

Right Out: 781.973+/-486.738 χ^2/NDF: 21.5/26

Left In: 81.518+/-215.913 χ^2/NDF:30.0/22

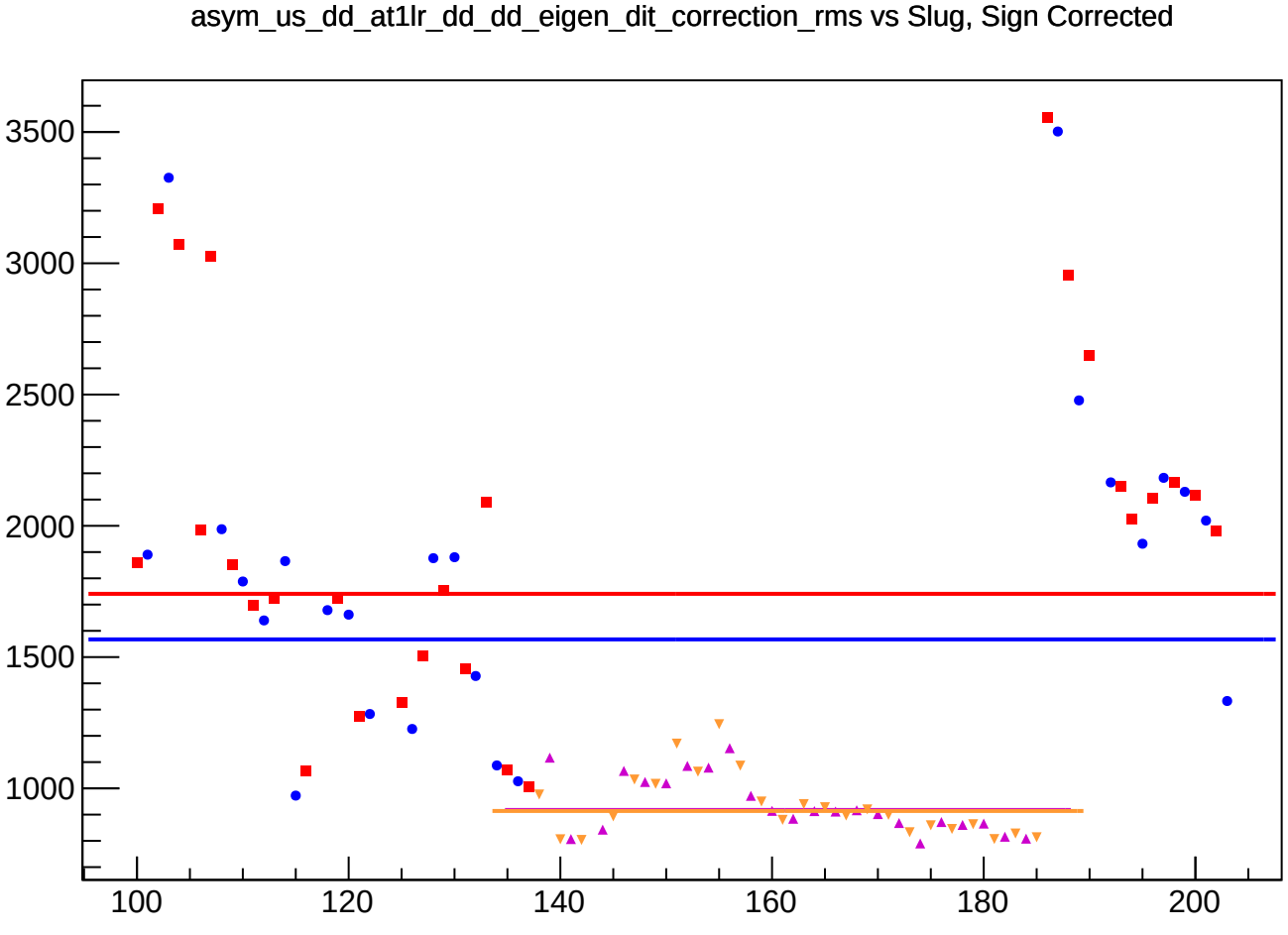
Left: -399.884+/-151.996 χ^2/NDF: 101.8/46

Right: -229.213+/-331.601 χ^2/NDF: 55.2/50

In: -138.147+/-194.905 χ^2/NDF:61.2/46

Out: -604.750+/-195.908 χ^2/NDF:93.2/50

All: -370.252+/-138.172 χ^2/NDF: 157.2/97



Right In: 1567.401+/-0.320 χ^2/NDF: 2191404.8/23

Left Out: 913.898+/-0.151 χ^2/NDF:462858.6/23

Right Out: 1740.914+/-0.344 χ^2/NDF: 2530679.8/26

Left In: 917.674+/-0.153 χ^2/NDF:430509.1/22

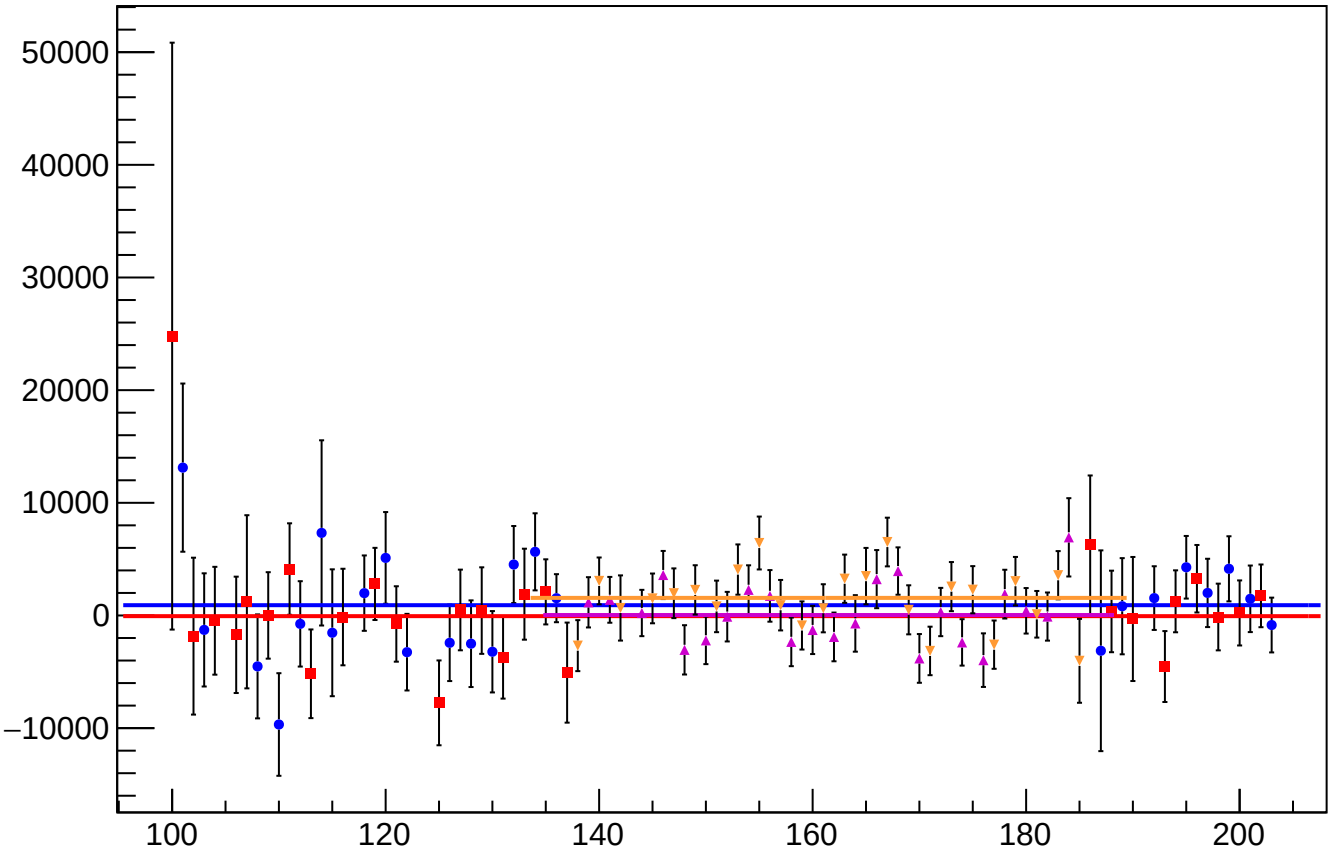
Left: 915.769+/-0.107 χ^2/NDF: 893676.2/46

Right: 1647.934+/-0.234 χ^2/NDF: 4858278.4/50

In: 1037.956+/-0.138 χ^2/NDF:5974704.6/46

Out: 1047.874+/-0.139 χ^2/NDF:7832042.2/50

All: 1042.890+/-0.098 χ^2/NDF: 13809322.7/9



Right In: 913.119+/-714.006 χ^2/NDF: 23.2/23

Left Out: 1561.357+/-456.883 χ^2/NDF:31.2/23

Right Out: -59.659+/-721.331 χ^2/NDF: 17.0/26

Left In: 39.885+/-459.938 χ^2/NDF:27.8/22

Left: 805.690+/-324.140 χ^2/NDF: 64.6/46

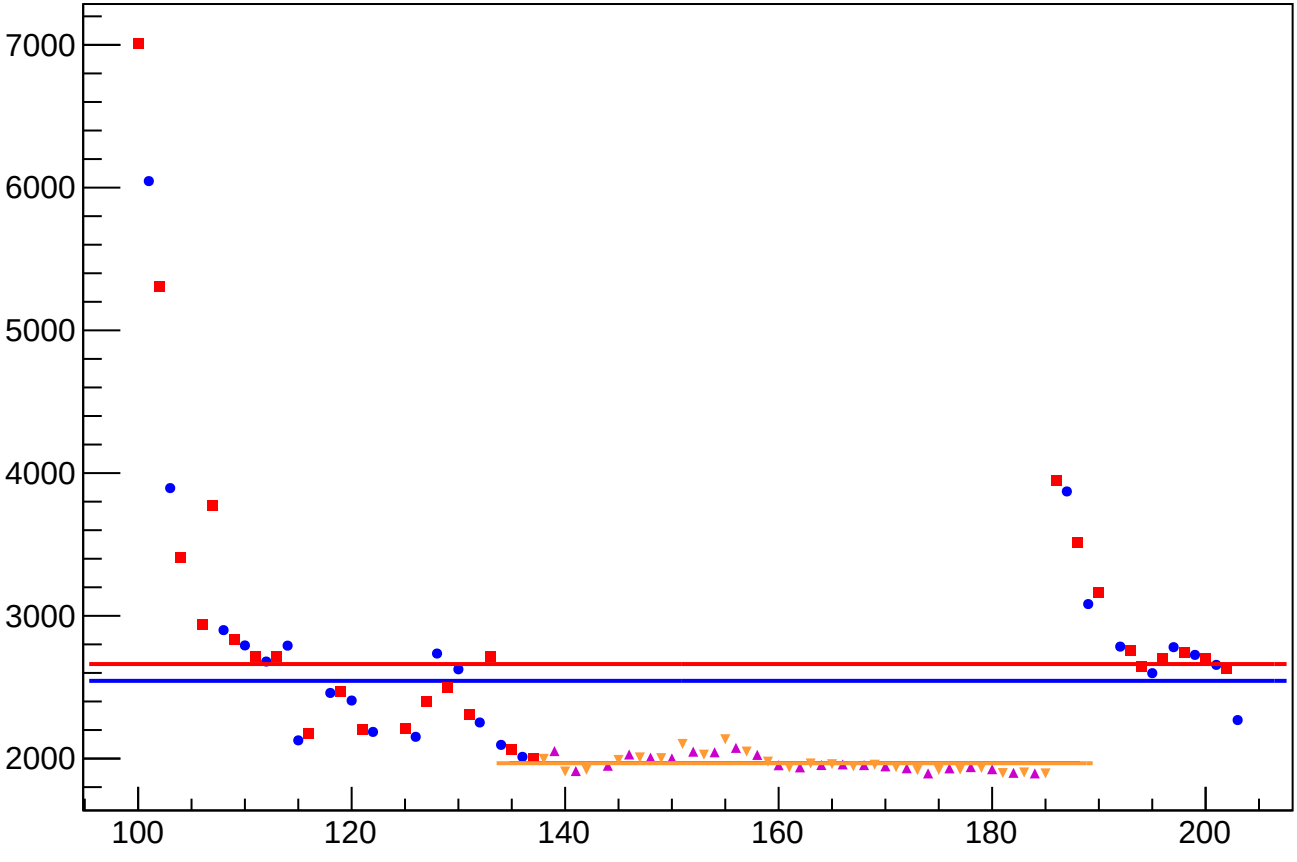
Right: 431.694+/-507.448 χ^2/NDF: 41.1/50

In: 295.970+/-386.659 χ^2/NDF:52.0/46

Out: 1097.234+/-385.974 χ^2/NDF:51.8/50

All: 697.313+/-273.167 χ^2/NDF: 106.0/97

asym_us_dd_at1lr_dd_dd_rms vs Slug, Sign Corrected



Right In: 2544.482+/-0.505 χ^2/NDF: 989354.6/23

Left Out: 1967.416+/-0.323 χ^2/NDF:34217.6/23

Right Out: 2662.242+/-0.510 χ^2/NDF: 926569.2/26

Left In: 1969.022+/-0.325 χ^2/NDF:26523.0/22

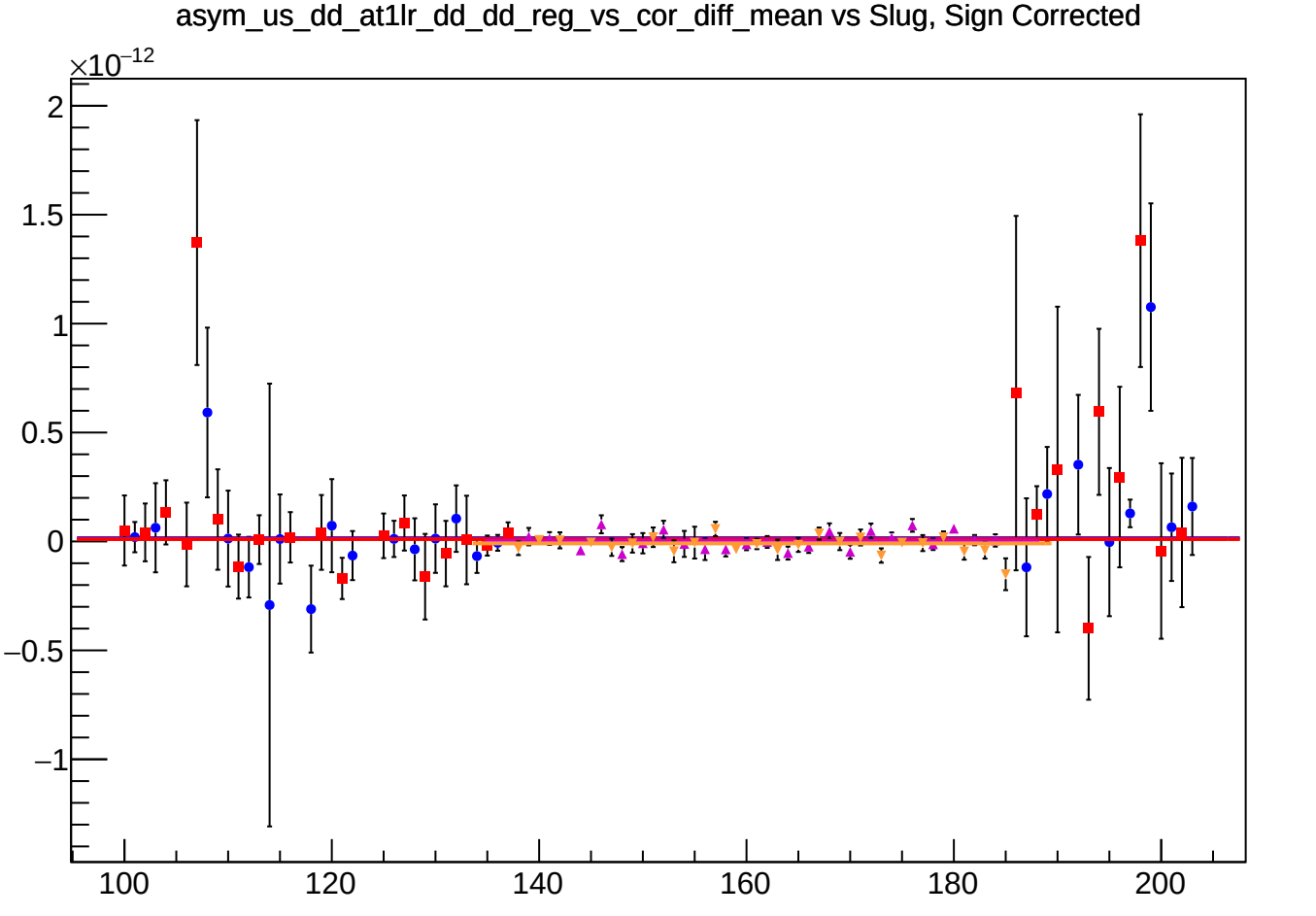
Left: 1968.213+/-0.229 χ^2/NDF: 60752.9/46

Right: 2602.761+/-0.359 χ^2/NDF: 1942847.4/50

In: 2137.782+/-0.273 χ^2/NDF:1934033.2/46

Out: 2166.356+/-0.273 χ^2/NDF:2285191.2/50

All: 2152.094+/-0.193 χ^2/NDF: 4224695.4/97



Right In: 0.000+/-0.000 χ^2/NDF: 19.3/23

Left Out: -0.000+/-0.000 χ^2/NDF:20.8/23

Right Out: 0.000+/-0.000 χ^2/NDF: 24.9/26

Left In: 0.000+/-0.000 χ^2/NDF:38.9/22

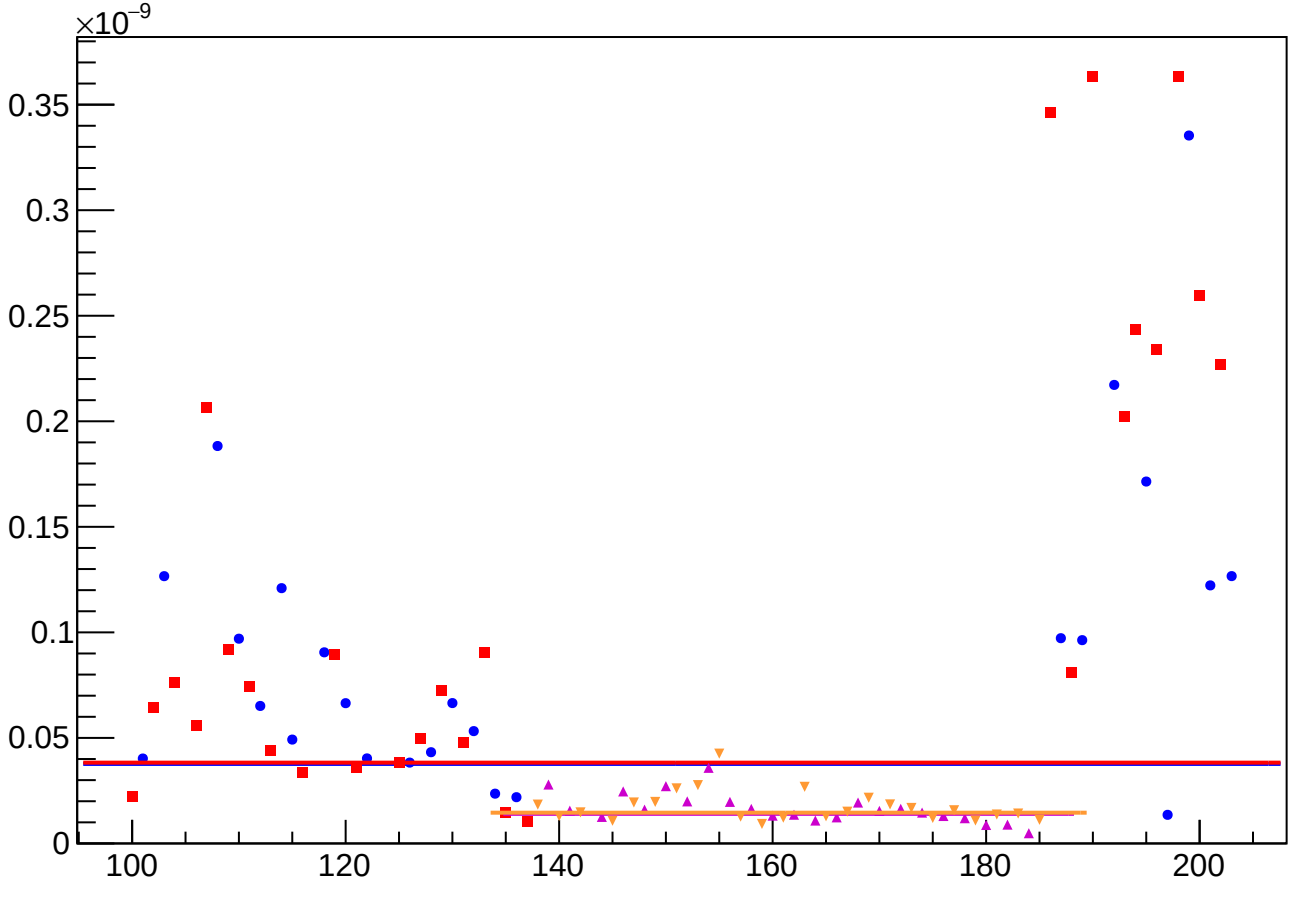
Left: -0.000+/-0.000 χ^2/NDF: 61.3/46

Right: 0.000+/-0.000 χ^2/NDF: 44.2/50

In: 0.000+/-0.000 χ^2/NDF:58.5/46

Out: -0.000+/-0.000 χ^2/NDF:46.3/50

All: -0.000+/-0.000 χ^2/NDF: 106.4/97



Right In: 0.000+/-0.000 χ^2/NDF: 4413115.7/23

Left Out: 0.000+/-0.000 χ^2/NDF:1178225.5/23

Right Out: 0.000+/-0.000 χ^2/NDF: 6474496.4/26

Left In: 0.000+/-0.000 χ^2/NDF:1430937.9/22

Left: 0.000+/-0.000 χ^2/NDF: 2616610.3/46

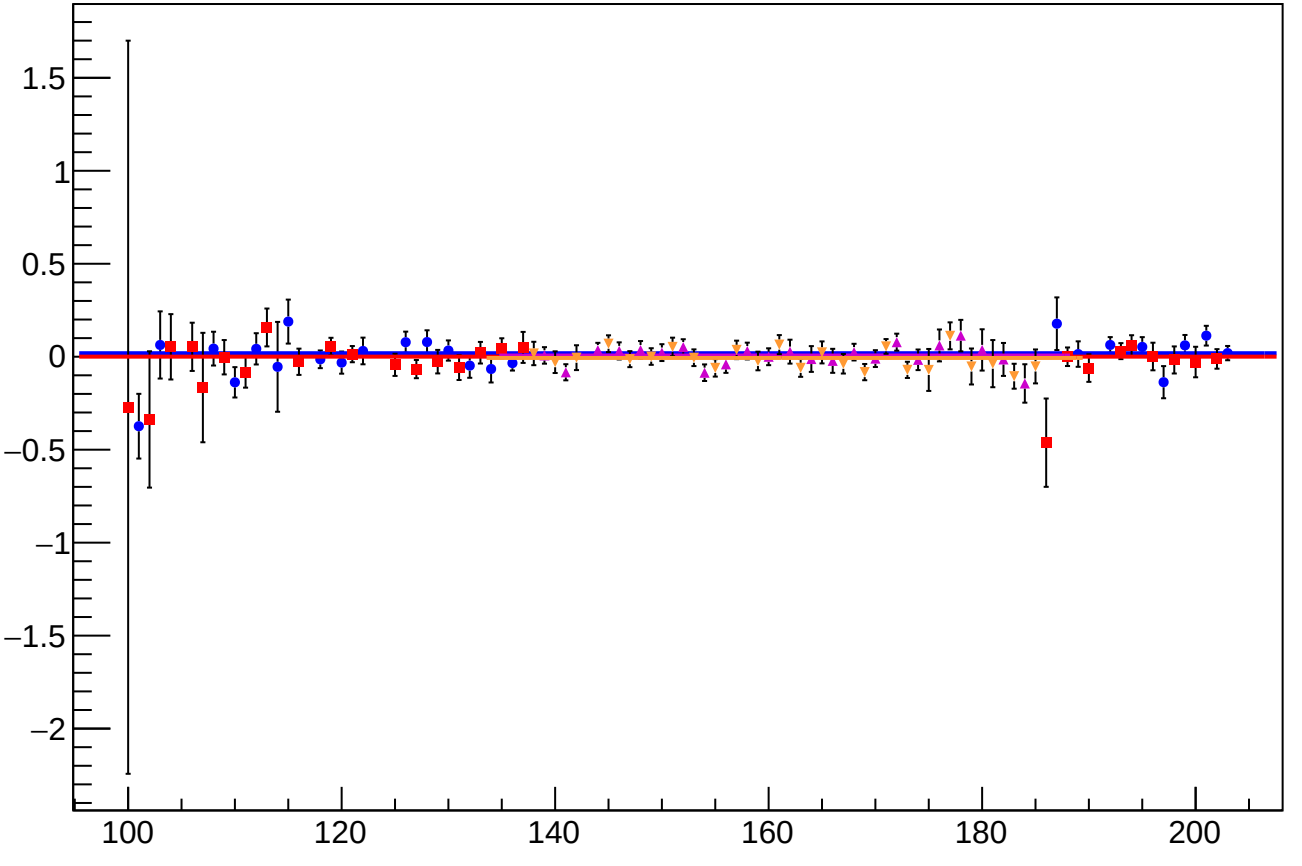
Right: 0.000+/-0.000 χ^2/NDF: 10888303.5/50

In: 0.000+/-0.000 χ^2/NDF:7916008.7/46

Out: 0.000+/-0.000 χ^2/NDF:9520296.0/50

All: 0.000+/-0.000 χ^2/NDF: 17441607.3/97

asym_us_dd_at1lr_dd_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.019+/-0.013 χ^2/NDF: 28.3/23

Left Out: -0.007+/-0.011 χ^2/NDF:23.9/23

Right Out: 0.000+/-0.013 χ^2/NDF: 17.2/26

Left In: 0.006+/-0.011 χ^2/NDF:20.1/22

Left: -0.000+/-0.008 χ^2/NDF: 44.7/46

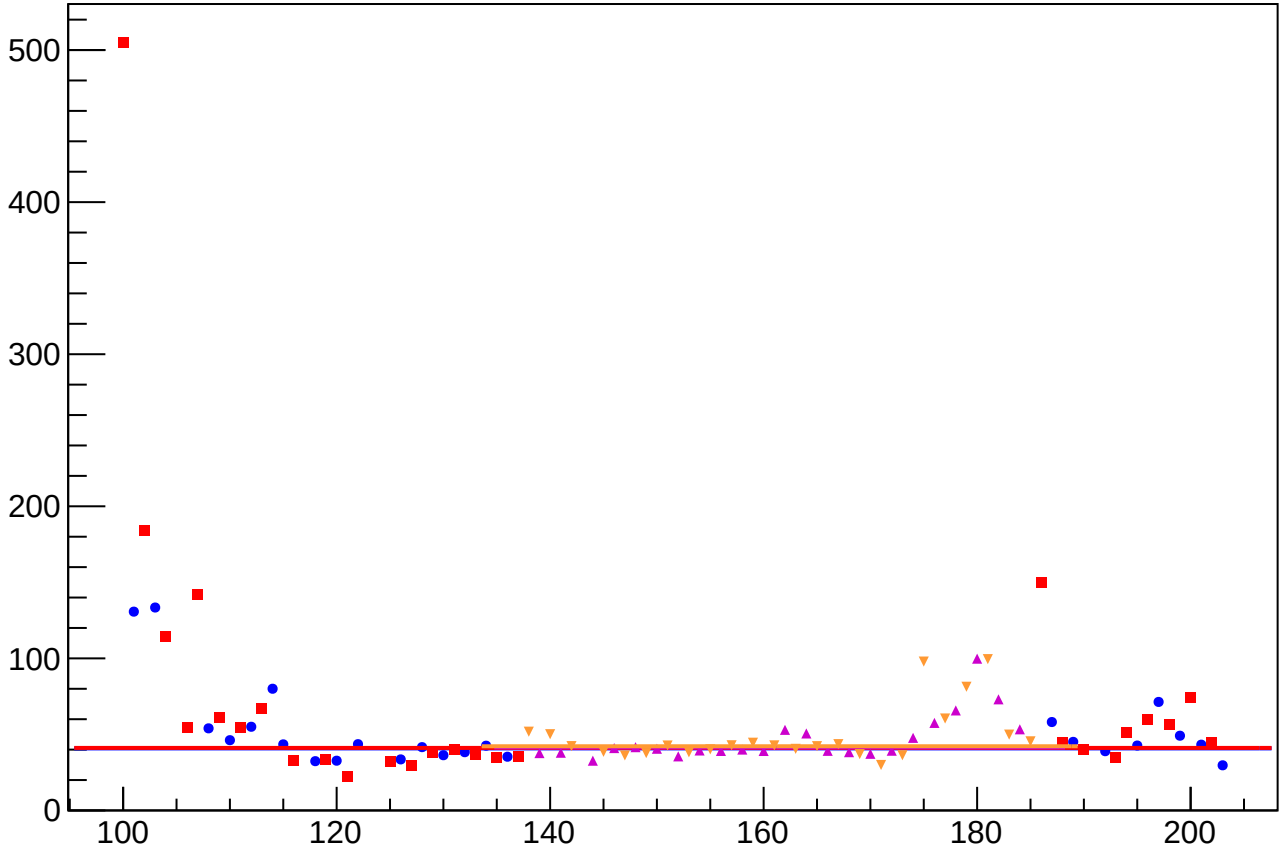
Right: 0.010+/-0.009 χ^2/NDF: 46.5/50

In: 0.012+/-0.008 χ^2/NDF:49.0/46

Out: -0.004+/-0.008 χ^2/NDF:41.3/50

All: 0.004+/-0.006 χ^2/NDF: 91.9/97

asym_us_dd_at1lr_dd_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 40.802+/-0.009 χ^2/NDF: 1921788.0/23

Left Out: 42.208+/-0.008 χ^2/NDF:1819371.1/23

Right Out: 41.122+/-0.009 χ^2/NDF: 3053179.5/26

Left In: 41.421+/-0.008 χ^2/NDF:1412177.5/22

Left: 41.808+/-0.005 χ^2/NDF: 3236828.7/46

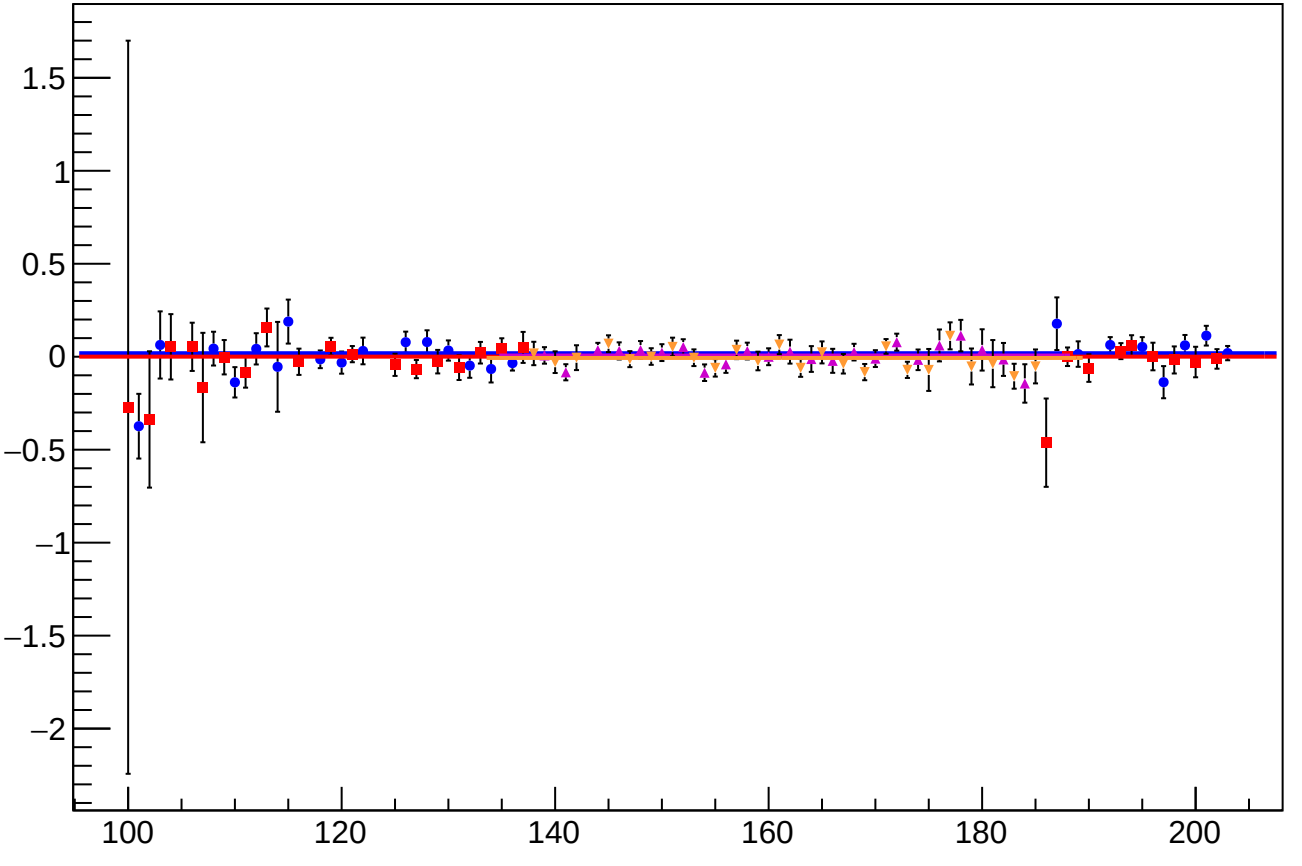
Right: 40.960+/-0.006 χ^2/NDF: 4975583.6/50

In: 41.165+/-0.006 χ^2/NDF:3336708.7/46

Out: 41.758+/-0.006 χ^2/NDF:4880746.1/50

All: 41.457+/-0.004 χ^2/NDF: 8222566.7/97

asym_us_dd_at1lr_dd_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.019+/-0.013 χ^2/NDF: 28.3/23

Left Out: -0.007+/-0.011 χ^2/NDF:23.9/23

Right Out: 0.000+/-0.013 χ^2/NDF: 17.2/26

Left In: 0.006+/-0.011 χ^2/NDF:20.1/22

Left: -0.000+/-0.008 χ^2/NDF: 44.7/46

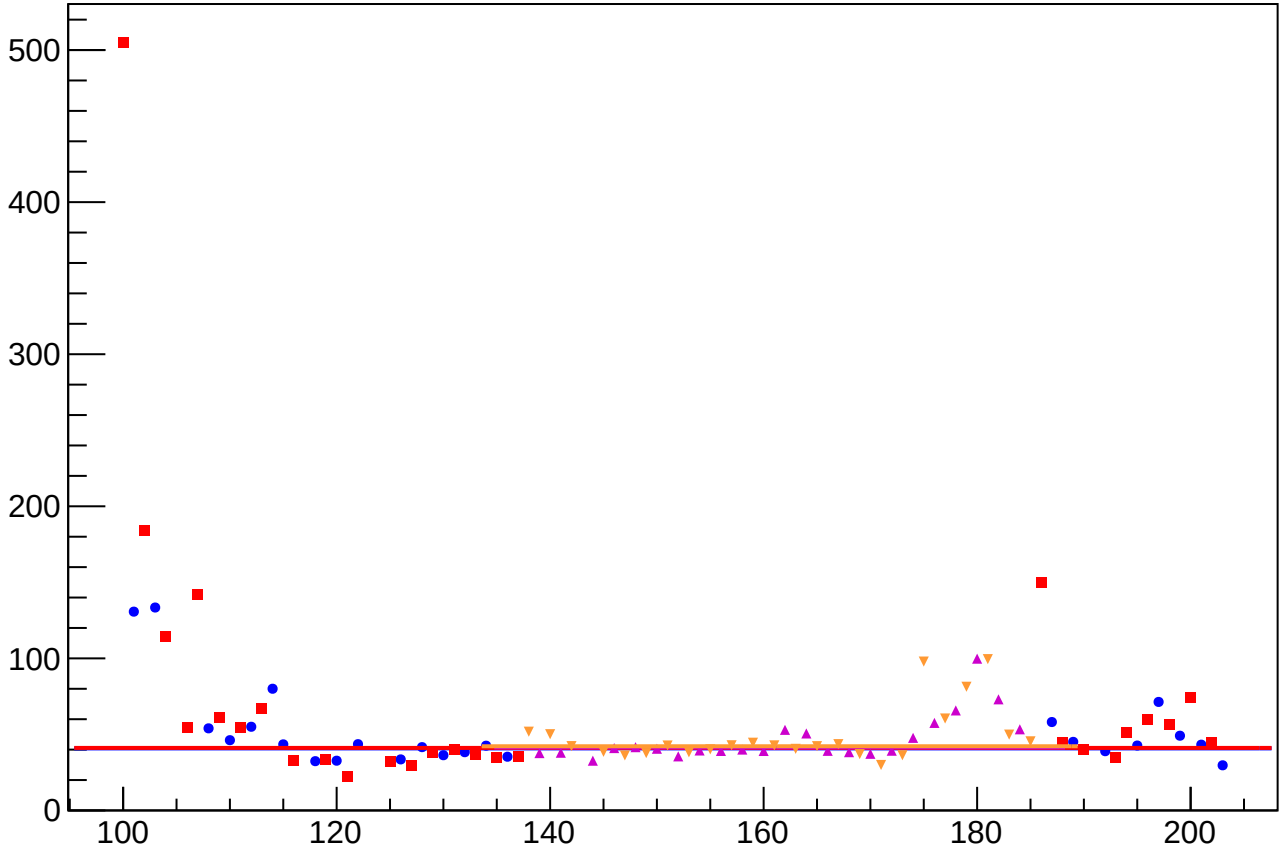
Right: 0.010+/-0.009 χ^2/NDF: 46.5/50

In: 0.012+/-0.008 χ^2/NDF:49.0/46

Out: -0.004+/-0.008 χ^2/NDF:41.3/50

All: 0.004+/-0.006 χ^2/NDF: 91.9/97

asym_us_dd_at1lr_dd_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 40.802+/-0.009 χ^2/NDF: 1921788.0/23

Left Out: 42.208+/-0.008 χ^2/NDF:1819371.1/23

Right Out: 41.122+/-0.009 χ^2/NDF: 3053179.5/26

Left In: 41.421+/-0.008 χ^2/NDF:1412177.5/22

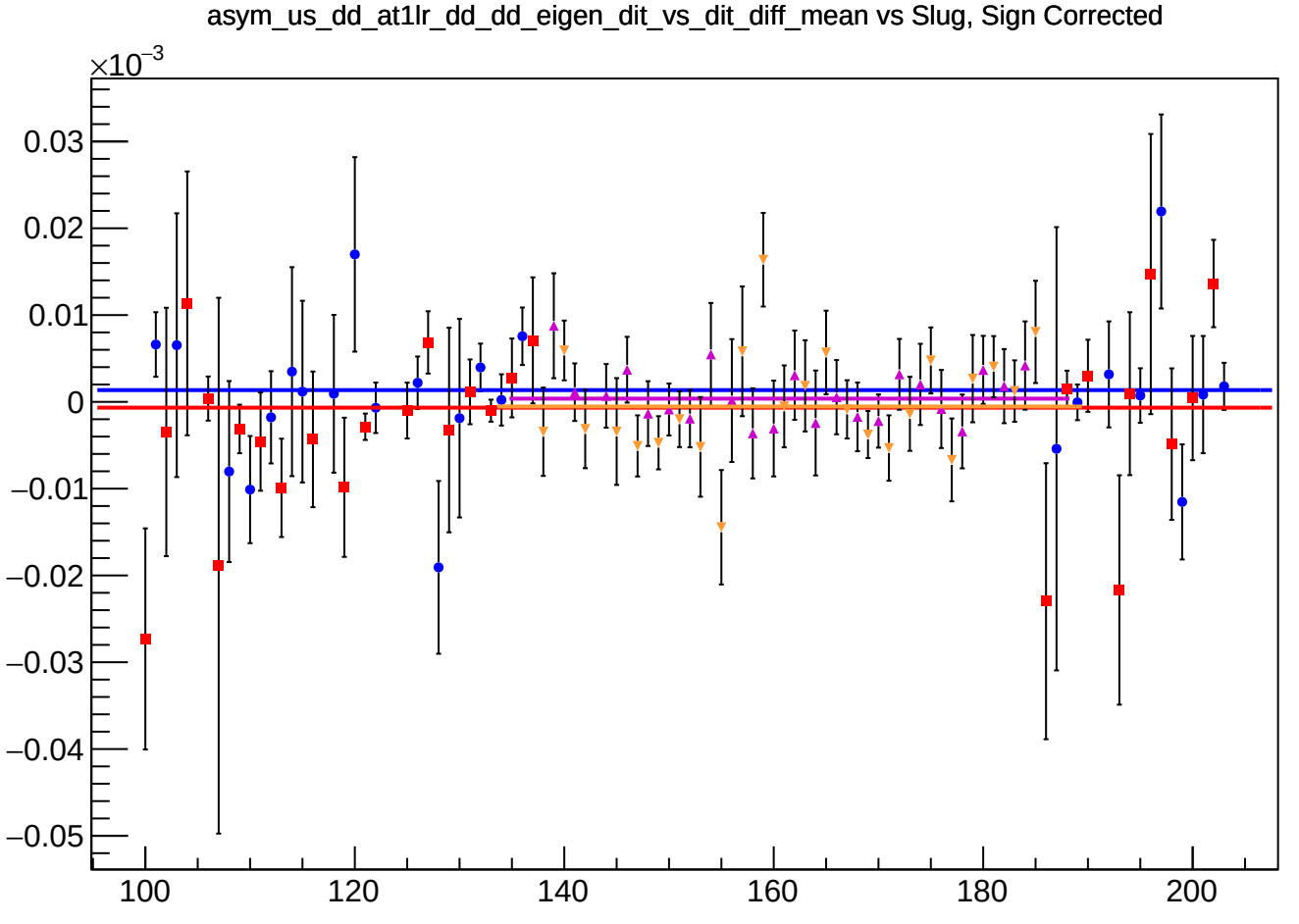
Left: 41.808+/-0.005 χ^2/NDF: 3236828.7/46

Right: 40.960+/-0.006 χ^2/NDF: 4975583.6/50

In: 41.165+/-0.006 χ^2/NDF:3336708.7/46

Out: 41.758+/-0.006 χ^2/NDF:4880746.1/50

All: 41.457+/-0.004 χ^2/NDF: 8222566.7/97



Right In: 0.000+/-0.000 χ^2/NDF: 26.0/23

Left Out: -0.000+/-0.000 χ^2/NDF:36.8/23

Right Out: -0.000+/-0.000 χ^2/NDF: 35.2/26

Left In: 0.000+/-0.000 χ^2/NDF:9.7/22

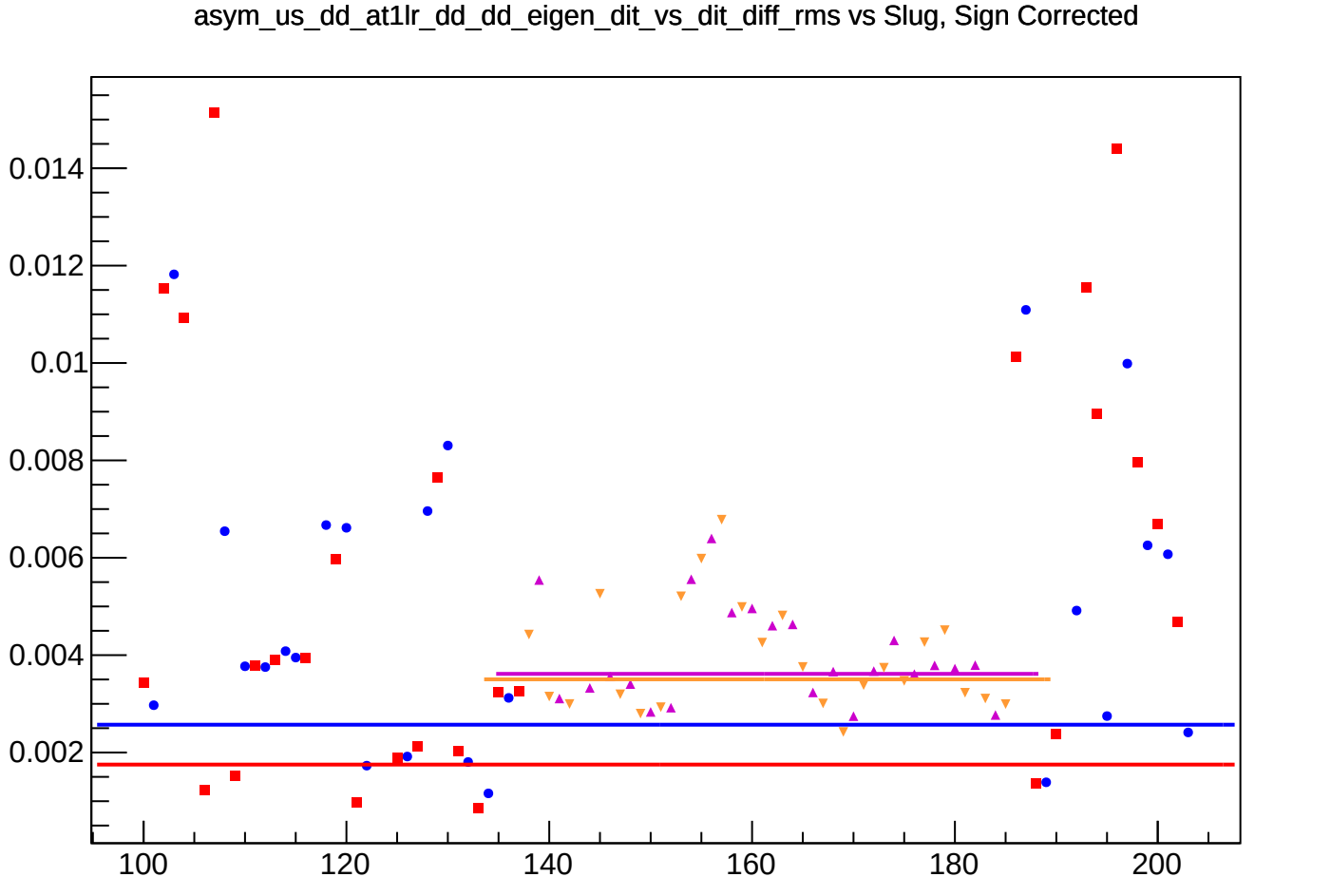
Left: -0.000+/-0.000 χ^2/NDF: 47.1/46

Right: 0.000+/-0.000 χ^2/NDF: 64.5/50

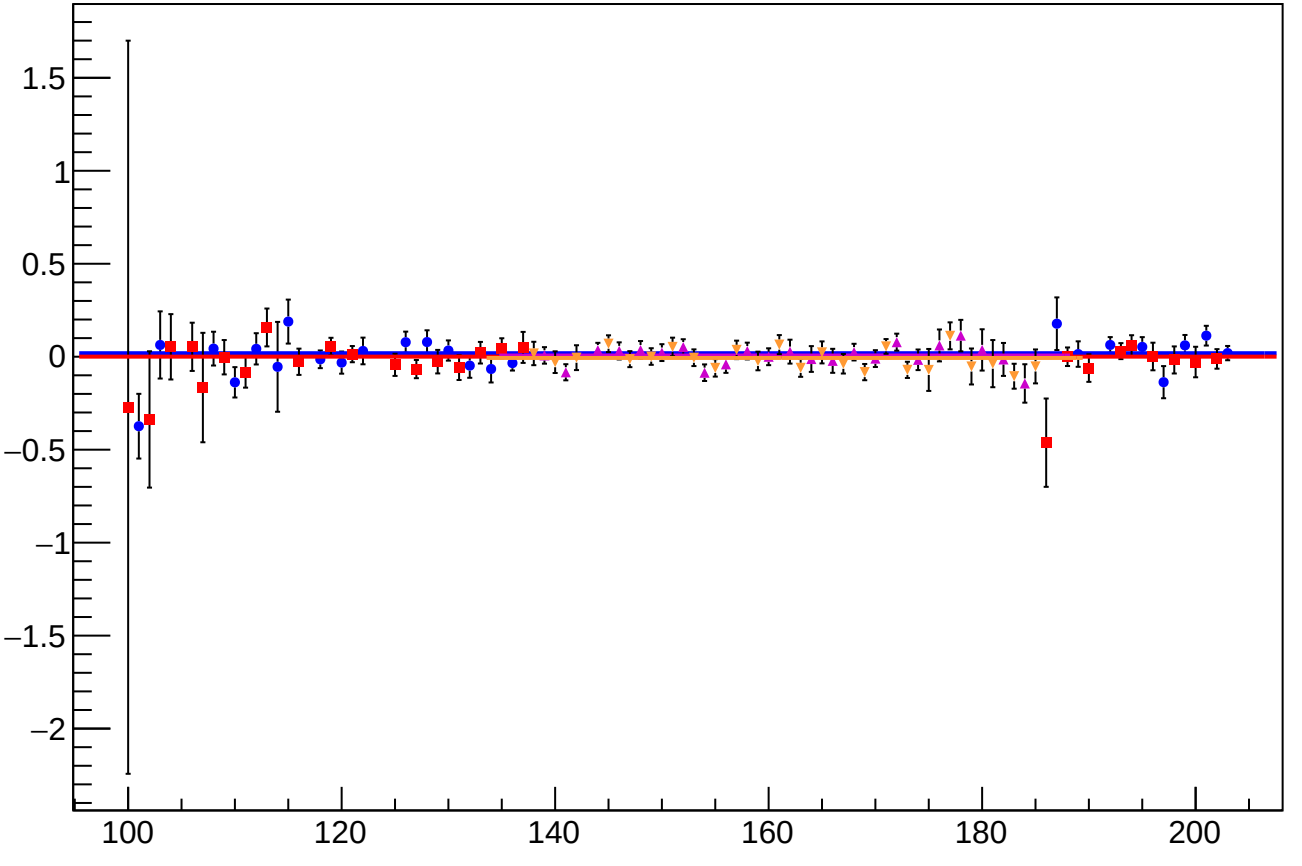
In: 0.000+/-0.000 χ^2/NDF:36.3/46

Out: -0.000+/-0.000 χ^2/NDF:72.0/50

All: 0.000+/-0.000 χ^2/NDF: 111.7/97


asym_us_dd_at1lr_dd_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected
0.014
0.012
0.01
0.008
0.006
0.004
0.002
100
120
140
160
180
200
Right In: 0.003+/-0.000 χ²/NDF: 7009987.9/23
Left Out: 0.004+/-0.000 χ²/NDF:2190693.7/23
Right Out: 0.002+/-0.000 χ²/NDF: 12628522.6/26
Left In: 0.004+/-0.000 χ²/NDF:1668896.2/22
Left: 0.004+/-0.000 χ²/NDF: 3876828.2/46
Right: 0.002+/-0.000 χ²/NDF: 20737141.3/50
In: 0.003+/-0.000 χ²/NDF:10117271.7/46
Out: 0.002+/-0.000 χ²/NDF:20028228.9/50
All: 0.003+/-0.000 χ²/NDF: 31419355.5/97

asym_us_dd_at1lr_dd_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.019+/-0.013 χ^2/NDF: 28.3/23

Left Out: -0.007+/-0.011 χ^2/NDF:23.9/23

Right Out: 0.000+/-0.013 χ^2/NDF: 17.2/26

Left In: 0.006+/-0.011 χ^2/NDF:20.1/22

Left: -0.000+/-0.008 χ^2/NDF: 44.7/46

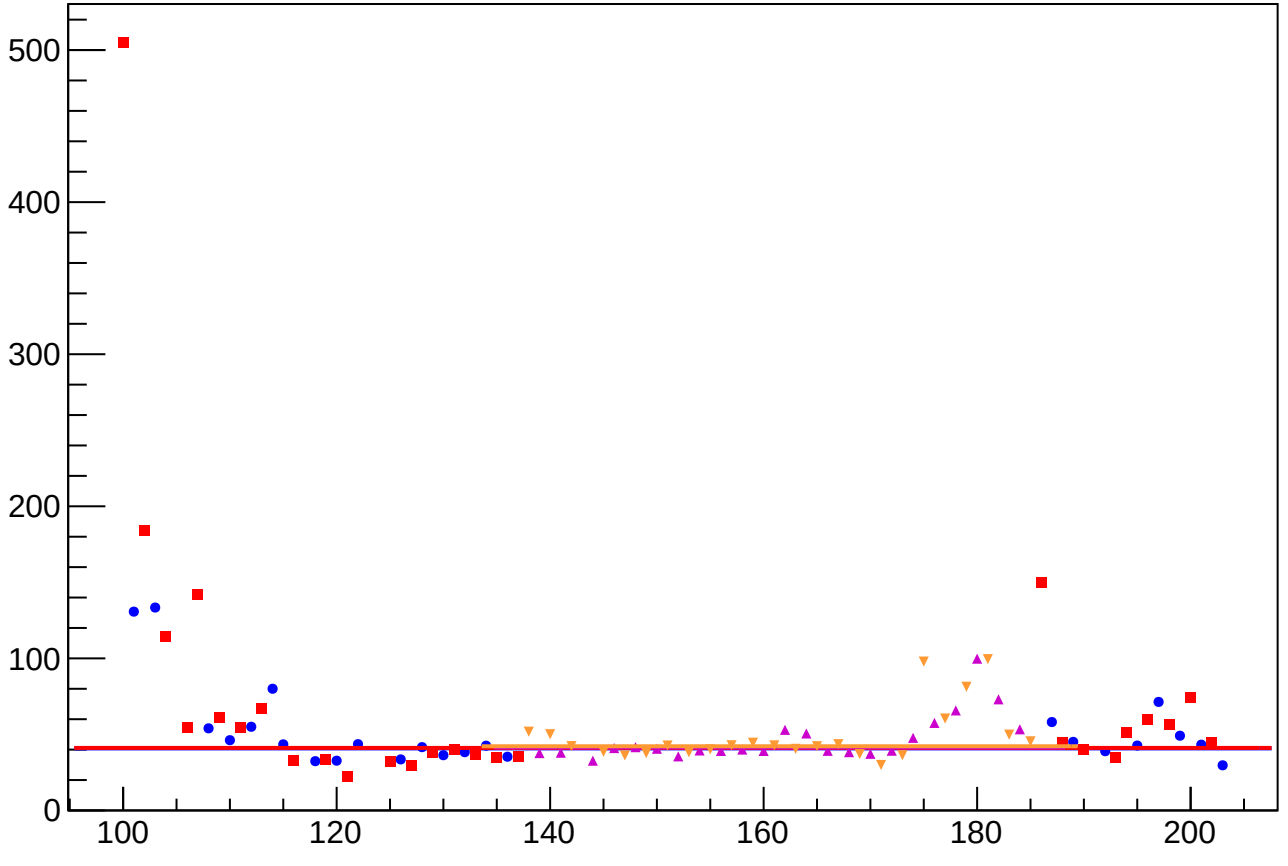
Right: 0.010+/-0.009 χ^2/NDF: 46.5/50

In: 0.012+/-0.008 χ^2/NDF:49.0/46

Out: -0.004+/-0.008 χ^2/NDF:41.3/50

All: 0.004+/-0.006 χ^2/NDF: 91.9/97

asym_us_dd_at1lr_dd_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 40.802+/-0.009 χ^2/NDF: 1921726.7/23

Left Out: 42.208+/-0.008 χ^2/NDF:1819378.3/23

Right Out: 41.121+/-0.009 χ^2/NDF: 3053366.4/26

Left In: 41.421+/-0.008 χ^2/NDF:1412111.4/22

Left: 41.808+/-0.005 χ^2/NDF: 3236767.5/46

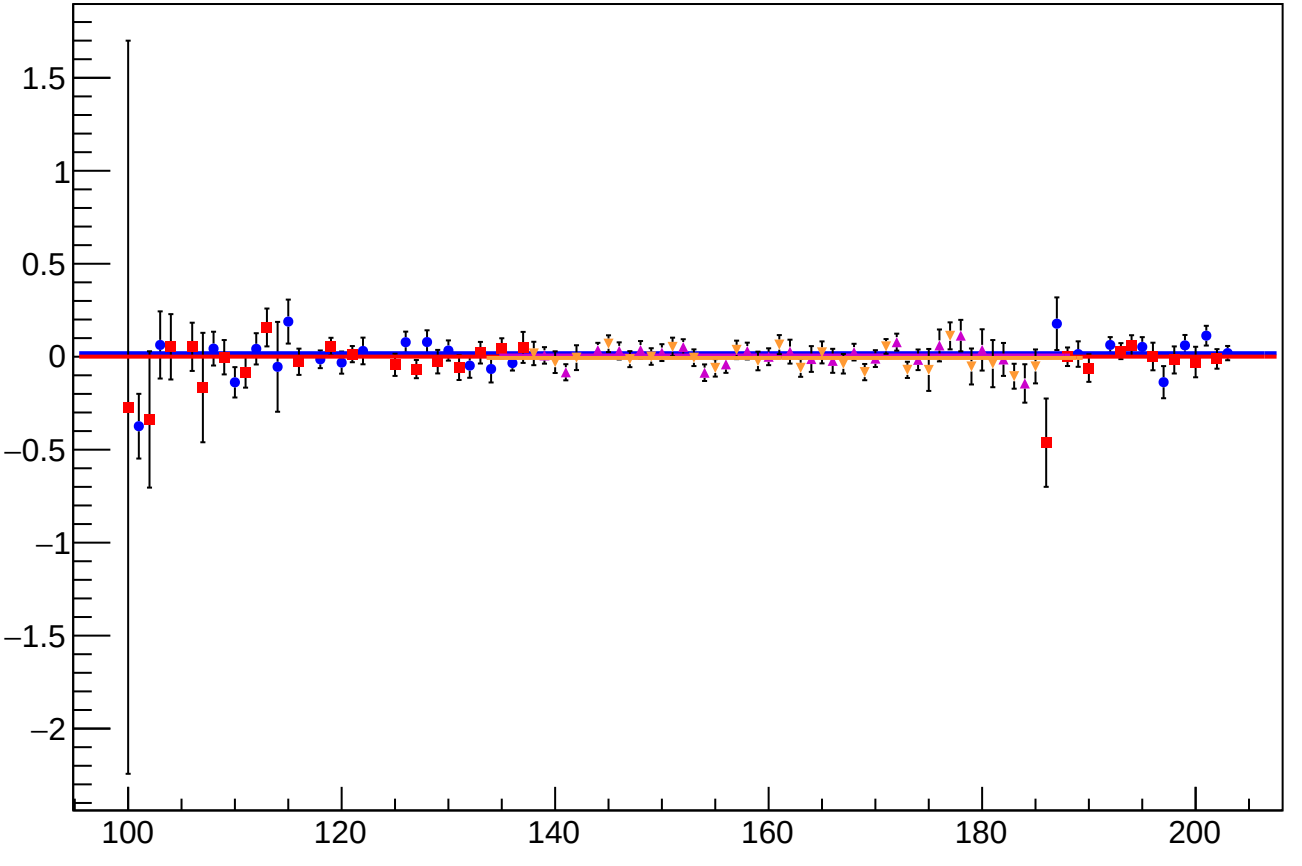
Right: 40.959+/-0.006 χ^2/NDF: 4975704.1/50

In: 41.165+/-0.006 χ^2/NDF:3336576.4/46

Out: 41.758+/-0.006 χ^2/NDF:4880949.5/50

All: 41.457+/-0.004 χ^2/NDF: 8222626.5/97

asym_us_dd_at1lr_dd_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.019+/-0.013 χ^2/NDF: 28.3/23

Left Out: -0.007+/-0.011 χ^2/NDF:23.9/23

Right Out: 0.000+/-0.013 χ^2/NDF: 17.2/26

Left In: 0.006+/-0.011 χ^2/NDF:20.1/22

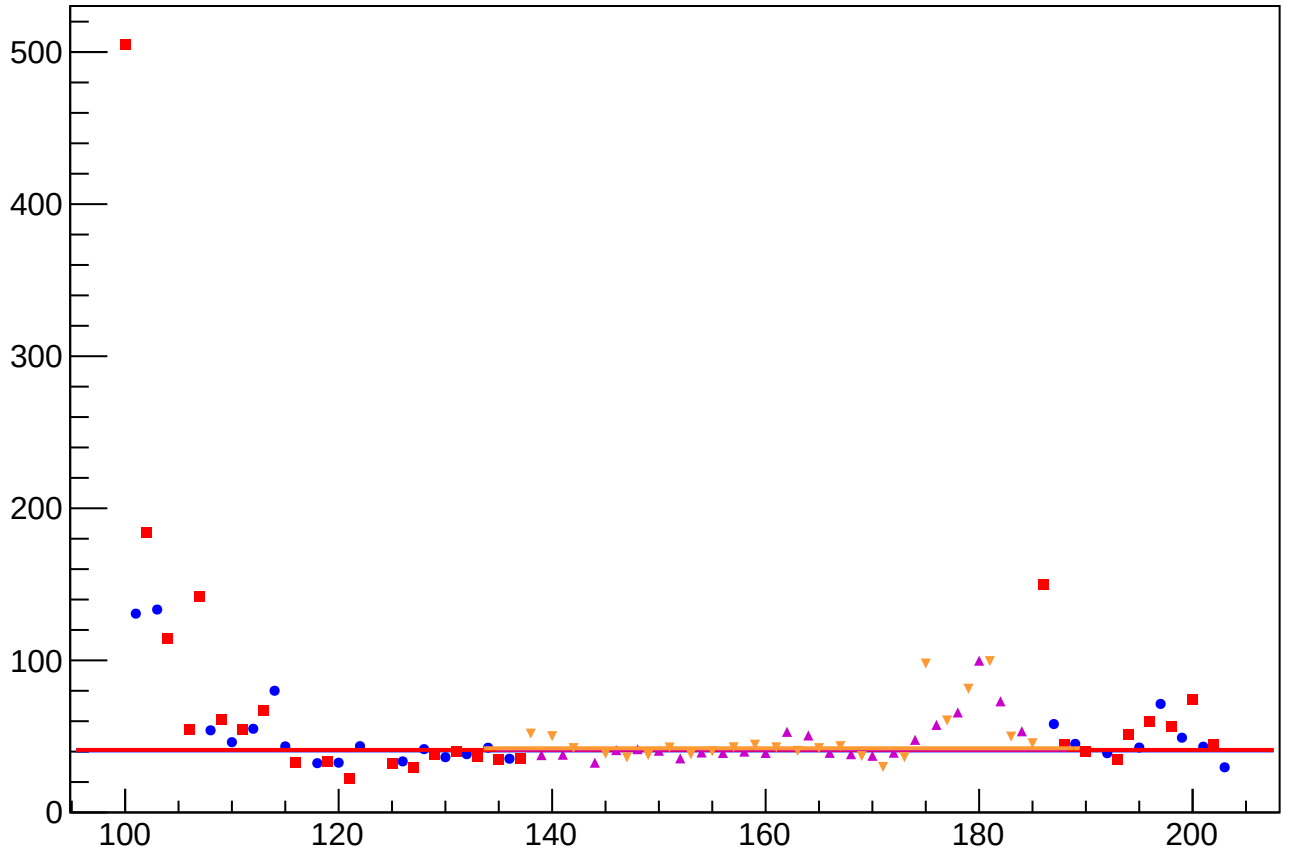
Left: -0.000+/-0.008 χ^2/NDF: 44.7/46

Right: 0.010+/-0.009 χ^2/NDF: 46.5/50

In: 0.012+/-0.008 χ^2/NDF:49.0/46

Out: -0.004+/-0.008 χ^2/NDF:41.3/50

All: 0.004+/-0.006 χ^2/NDF: 91.9/97



Right In: 40.802+/-0.009 χ^2/NDF: 1921726.7/23

Left Out: 42.208+/-0.008 χ^2/NDF:1819378.3/23

Right Out: 41.121+/-0.009 χ^2/NDF: 3053366.4/26

Left In: 41.421+/-0.008 χ^2/NDF:1412111.4/22

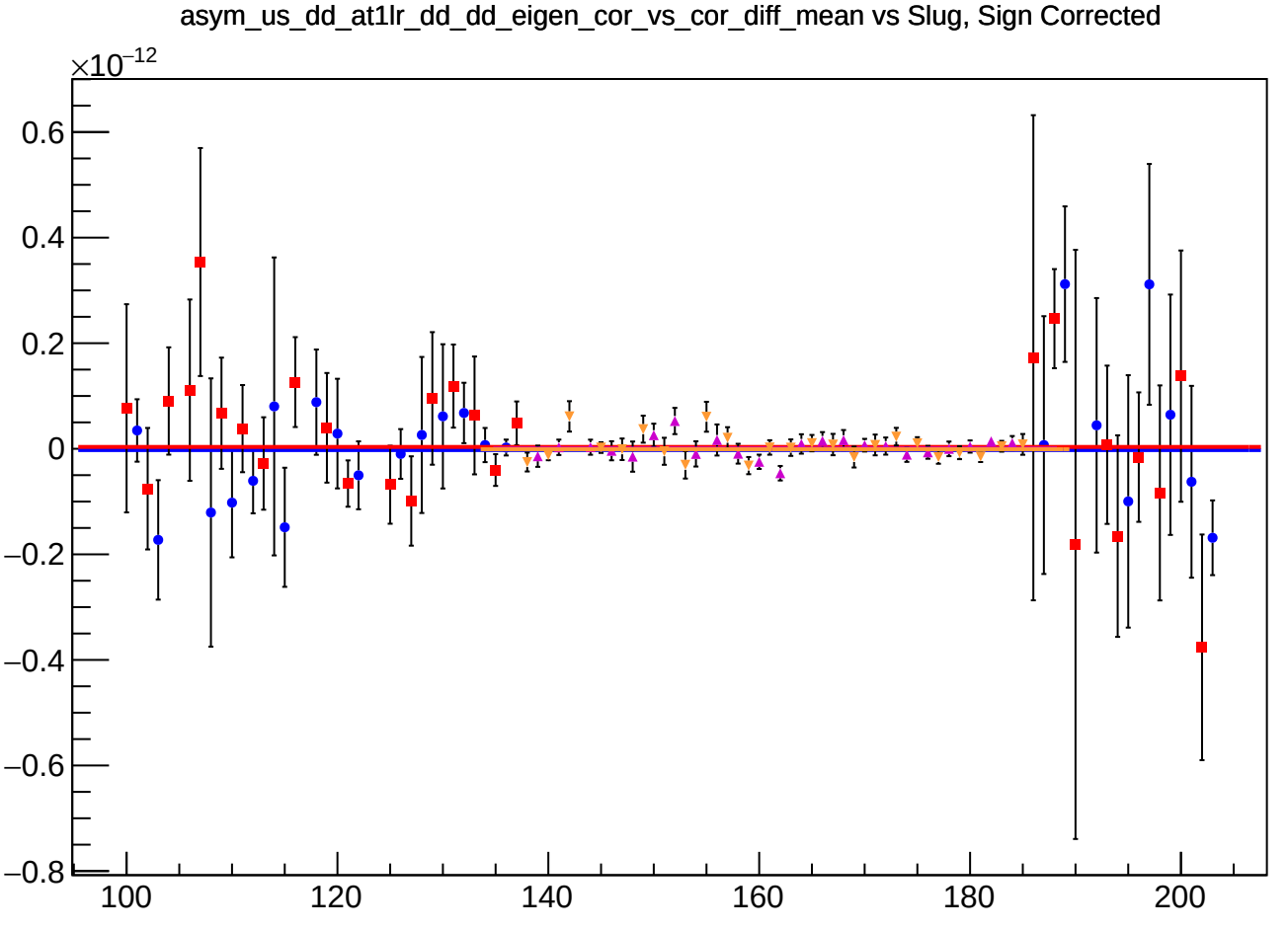
Left: 41.808+/-0.005 χ^2/NDF: 3236767.5/46

Right: 40.959+/-0.006 χ^2/NDF: 4975704.1/50

In: 41.165+/-0.006 χ^2/NDF:3336576.4/46

Out: 41.758+/-0.006 χ^2/NDF:4880949.5/50

All: 41.457+/-0.004 χ^2/NDF: 8222626.5/97



Right In: -0.000+/-0.000 χ^2/NDF: 22.3/23

Left Out: -0.000+/-0.000 χ^2/NDF:29.5/23

Right Out: 0.000+/-0.000 χ^2/NDF: 29.8/26

Left In: 0.000+/-0.000 χ^2/NDF:28.3/22

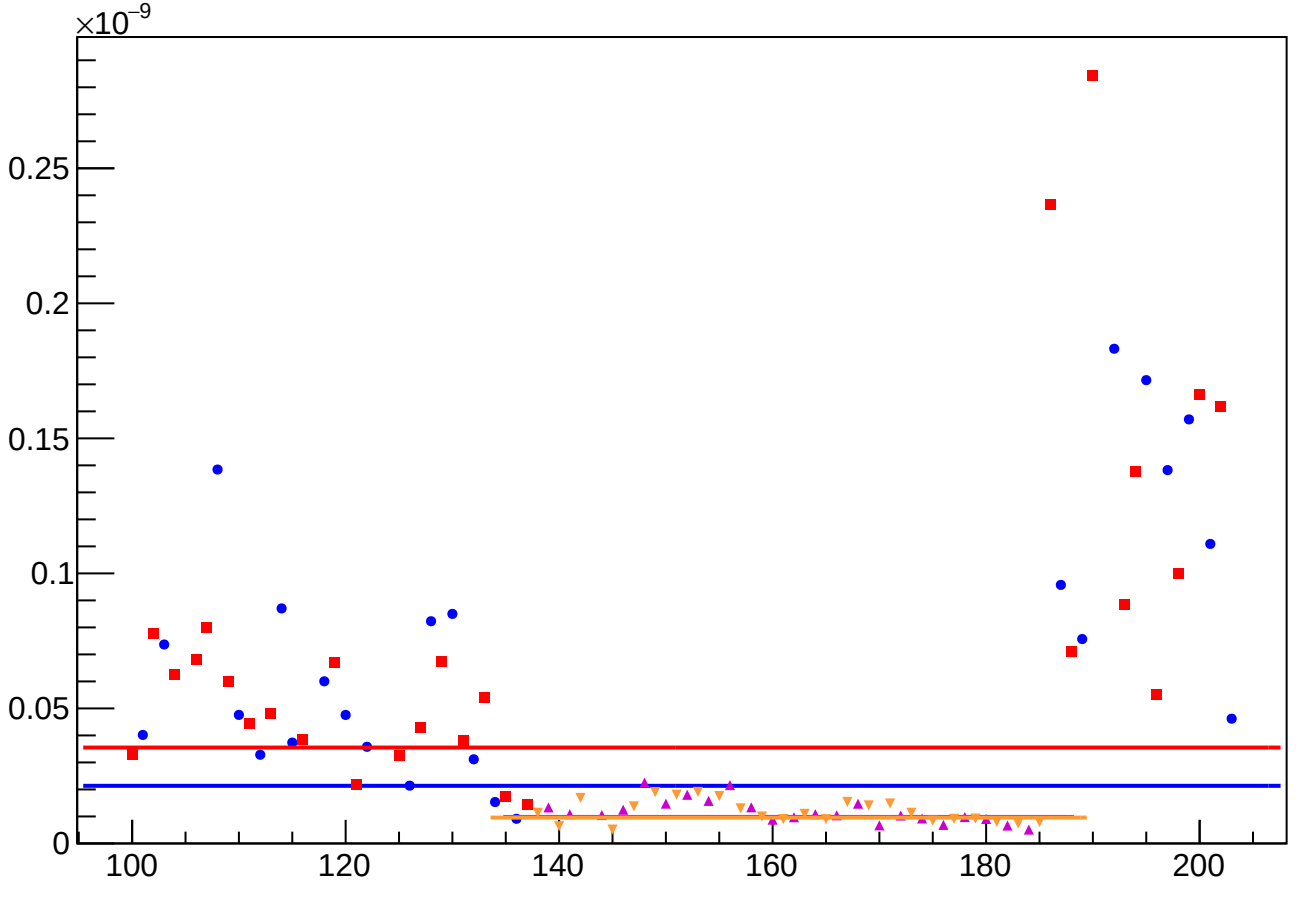
Left: -0.000+/-0.000 χ^2/NDF: 57.9/46

Right: -0.000+/-0.000 χ^2/NDF: 52.2/50

In: 0.000+/-0.000 χ^2/NDF:50.7/46

Out: -0.000+/-0.000 χ^2/NDF:59.4/50

All: -0.000+/-0.000 χ^2/NDF: 110.1/97



Right In: 0.000+/-0.000 χ^2/NDF: 8265607.6/23

Left Out: 0.000+/-0.000 χ^2/NDF:2445128.6/23

Right Out: 0.000+/-0.000 χ^2/NDF: 6022345.5/26

Left In: 0.000+/-0.000 χ^2/NDF:2250638.6/22

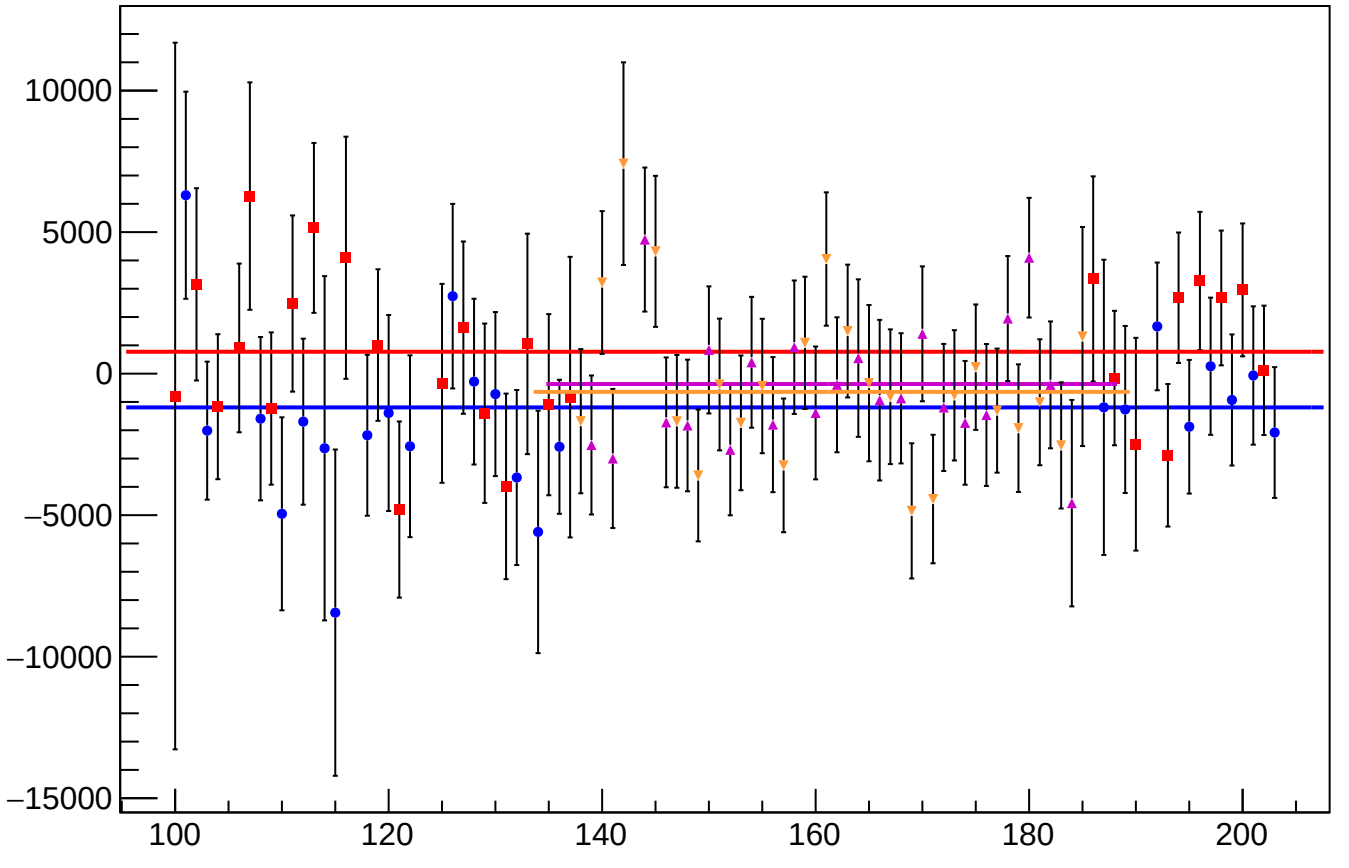
Left: 0.000+/-0.000 χ^2/NDF: 4701887.7/46

Right: 0.000+/-0.000 χ^2/NDF: 15353870.1/50

In: 0.000+/-0.000 χ^2/NDF:12448041.3/46

Out: 0.000+/-0.000 χ^2/NDF:13669110.4/50

All: 0.000+/-0.000 χ^2/NDF: 26119473.6/97



Right In: -1193.024+/-594.204 χ^2/NDF: 13.6/23

Left Out: -643.811+/-493.681 χ^2/NDF:27.1/23

Right Out: 773.921+/-573.271 χ^2/NDF: 19.8/26

Left In: -366.759+/-497.896 χ^2/NDF:17.3/22

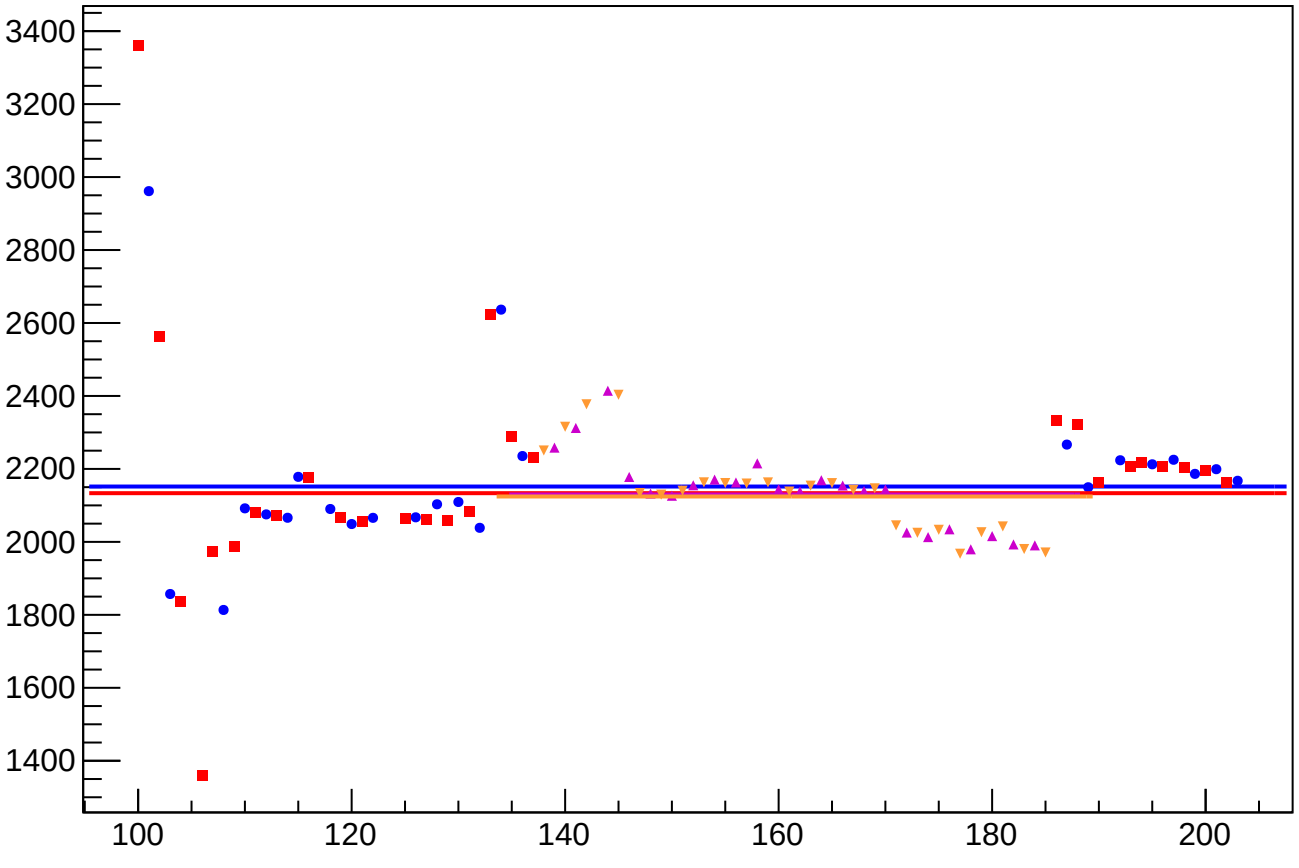
Left: -506.463+/-350.566 χ^2/NDF: 44.6/46

Right: -174.295+/-412.566 χ^2/NDF: 39.0/50

In: -707.589+/-381.632 χ^2/NDF:32.0/46

Out: -40.116+/-374.086 χ^2/NDF:50.5/50

All: -367.189+/-267.147 χ^2/NDF: 84.0/97



Right In: 2151.733+/-0.420 χ^2/NDF: 201749.1/23

Left Out: 2124.437+/-0.349 χ^2/NDF:89184.0/23

Right Out: 2133.512+/-0.405 χ^2/NDF: 294639.9/26

Left In: 2129.897+/-0.352 χ^2/NDF:85354.5/22

Left: 2127.144+/-0.248 χ^2/NDF: 174659.8/46

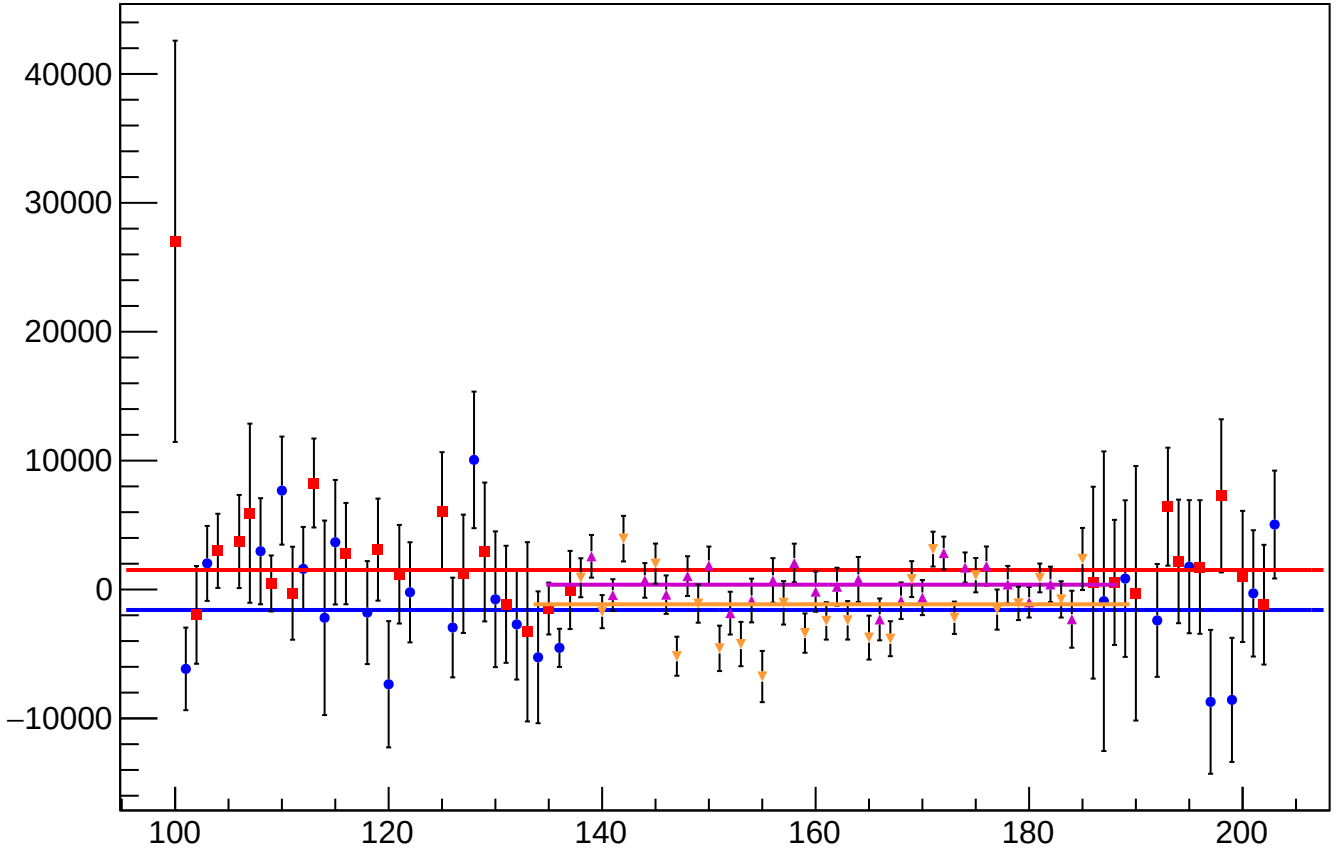
Right: 2142.296+/-0.292 χ^2/NDF: 497363.0/50

In: 2138.904+/-0.270 χ^2/NDF:288690.3/46

Out: 2128.301+/-0.265 χ^2/NDF:384111.7/50

All: 2133.497+/-0.189 χ^2/NDF: 673589.3/97

asym_us_dd_at2lr_dd_avg_reg_correction_mean vs Slug, Sign Corrected



Right In: -1587.962+/-780.244 χ^2/NDF: 29.8/23

Left Out: -1144.817+/-302.488 χ^2/NDF:67.5/23

Right Out: 1513.188+/-760.647 χ^2/NDF: 16.0/26

Left In: 373.302+/-305.378 χ^2/NDF:20.3/22

Left: -392.974+/-214.906 χ^2/NDF: 100.3/46

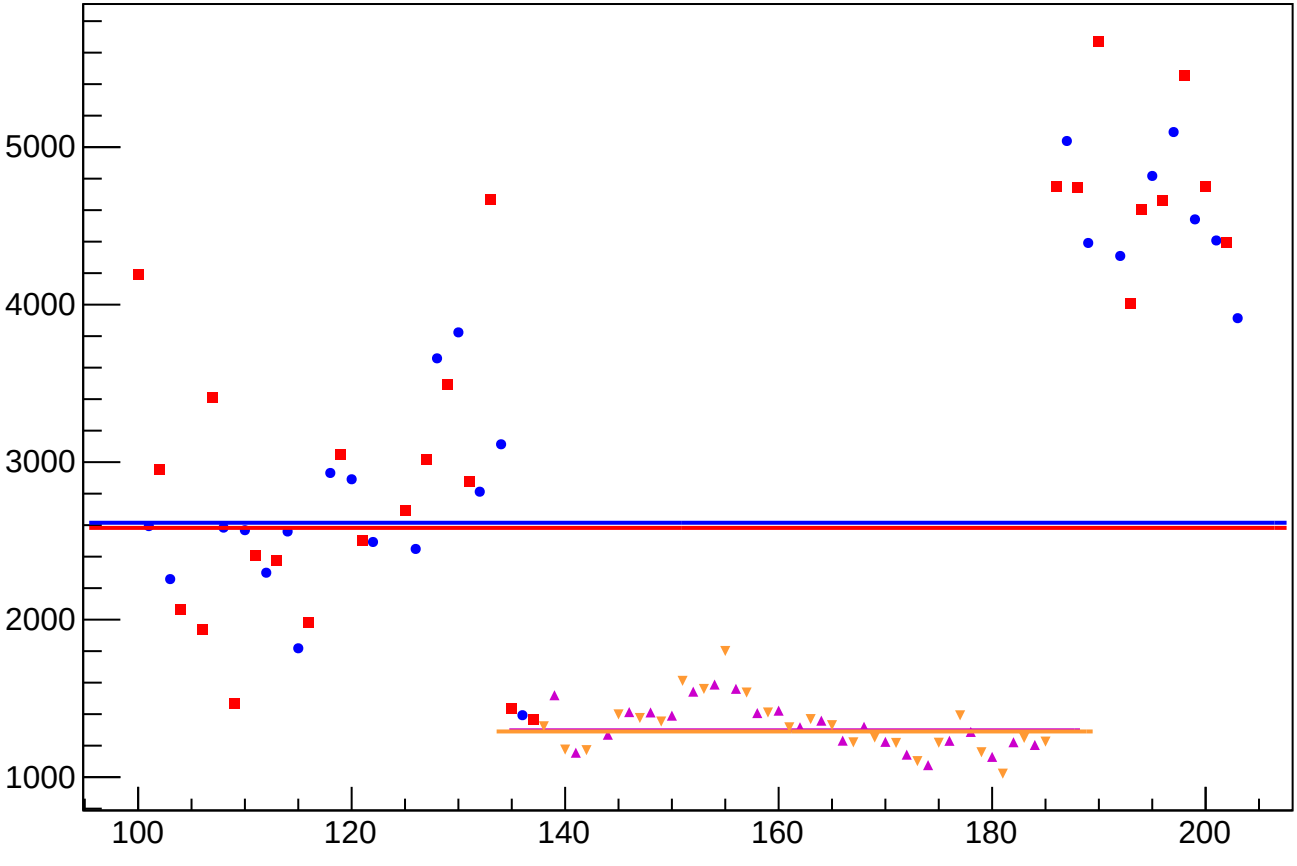
Right: 2.047+/-544.655 χ^2/NDF: 53.9/50

In: 112.776+/-284.373 χ^2/NDF:55.6/46

Out: -781.869+/-281.078 χ^2/NDF:94.1/50

All: -339.759+/-199.907 χ^2/NDF: 154.7/97

asym_us_dd_at2lr_dd_avg_reg_correction_rms vs Slug, Sign Corrected



Right In: 2615.191+/-0.552 χ^2/NDF: 3792893.1/23

Left Out: 1290.029+/-0.214 χ^2/NDF:567950.9/23

Right Out: 2582.621+/-0.538 χ^2/NDF: 4811351.6/26

Left In: 1297.454+/-0.216 χ^2/NDF:433995.4/22

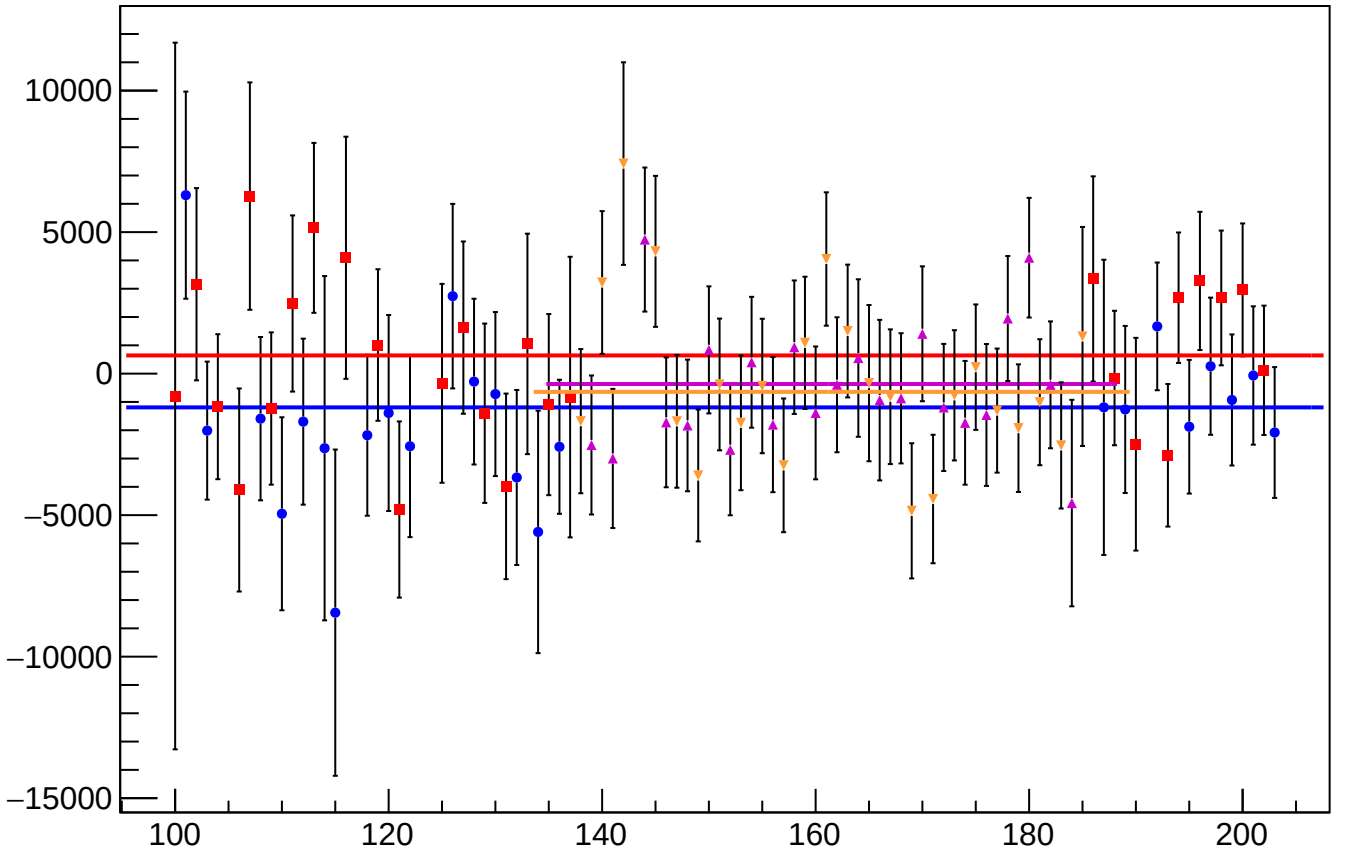
Left: 1293.707+/-0.152 χ^2/NDF: 1002543.1/46

Right: 2598.492+/-0.385 χ^2/NDF: 8606031.5/50

In: 1472.497+/-0.201 χ^2/NDF:9173726.0/46

Out: 1466.531+/-0.199 χ^2/NDF:10366128.1/50

All: 1469.479+/-0.141 χ^2/NDF: 19540299.3/9



Right In: -1193.057+/-594.204 χ^2/NDF: 13.6/23

Left Out: -643.673+/-493.681 χ^2/NDF:27.1/23

Right Out: 642.898+/-576.588 χ^2/NDF: 21.6/26

Left In: -366.649+/-497.896 χ^2/NDF:17.3/22

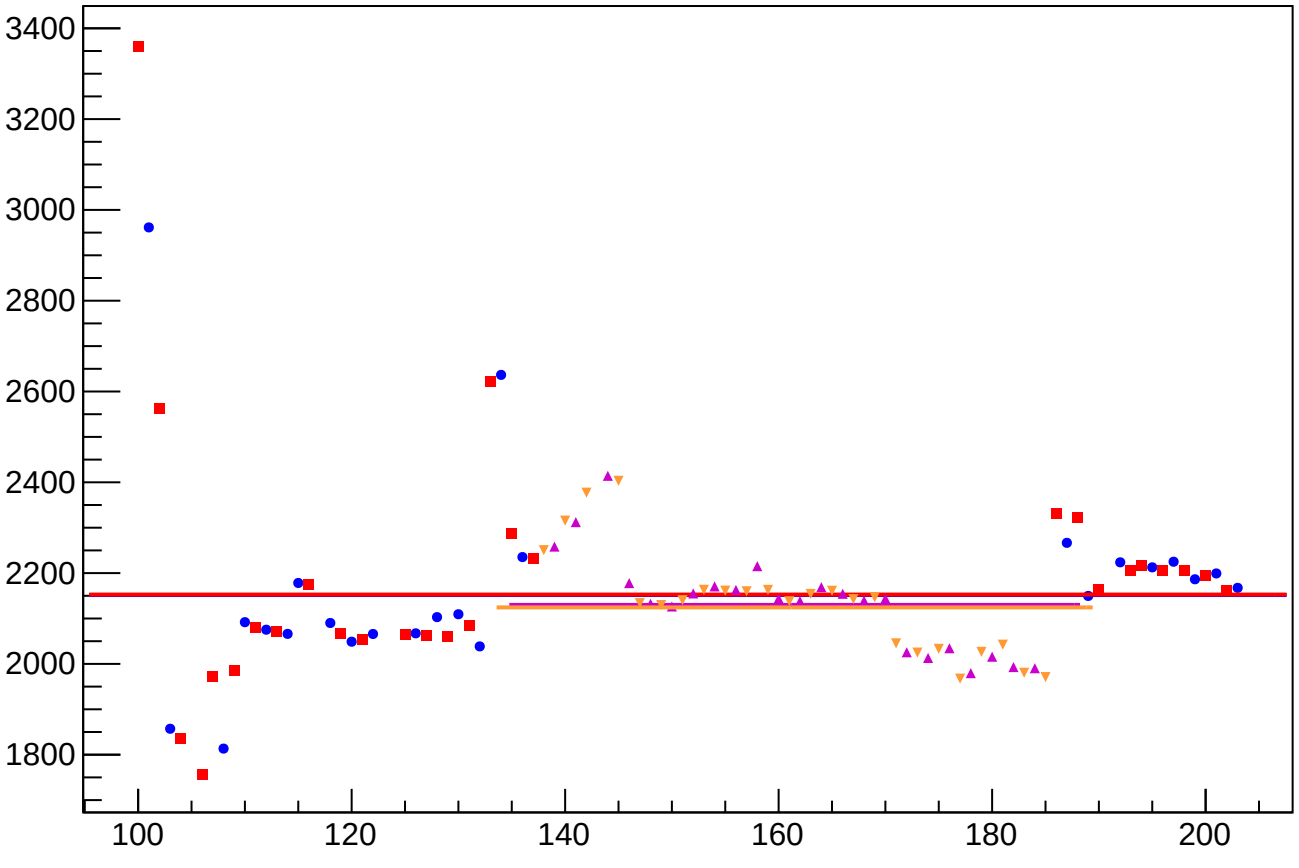
Left: -506.339+/-350.566 χ^2/NDF: 44.6/46

Right: -247.460+/-413.797 χ^2/NDF: 40.1/50

In: -707.538+/-381.632 χ^2/NDF:32.0/46

Out: -99.455+/-375.003 χ^2/NDF:51.6/50

All: -398.169+/-267.480 χ^2/NDF: 84.9/97



Right In: 2151.732+/-0.420 χ^2/NDF: 201749.5/23

Left Out: 2124.437+/-0.349 χ^2/NDF:89184.0/23

Right Out: 2152.687+/-0.408 χ^2/NDF: 180118.1/26

Left In: 2129.897+/-0.352 χ^2/NDF:85354.4/22

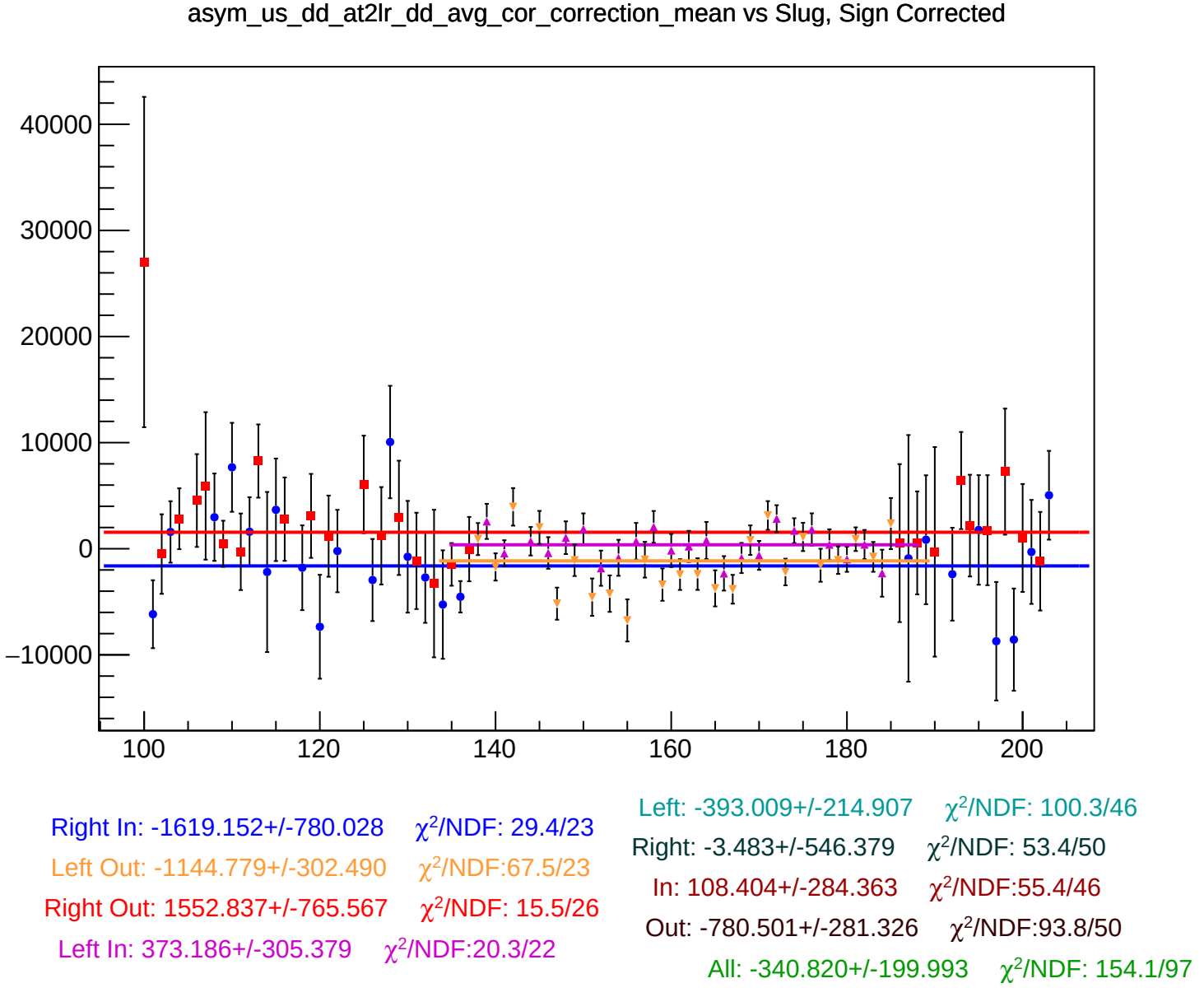
Left: 2127.144+/-0.248 χ^2/NDF: 174659.7/46

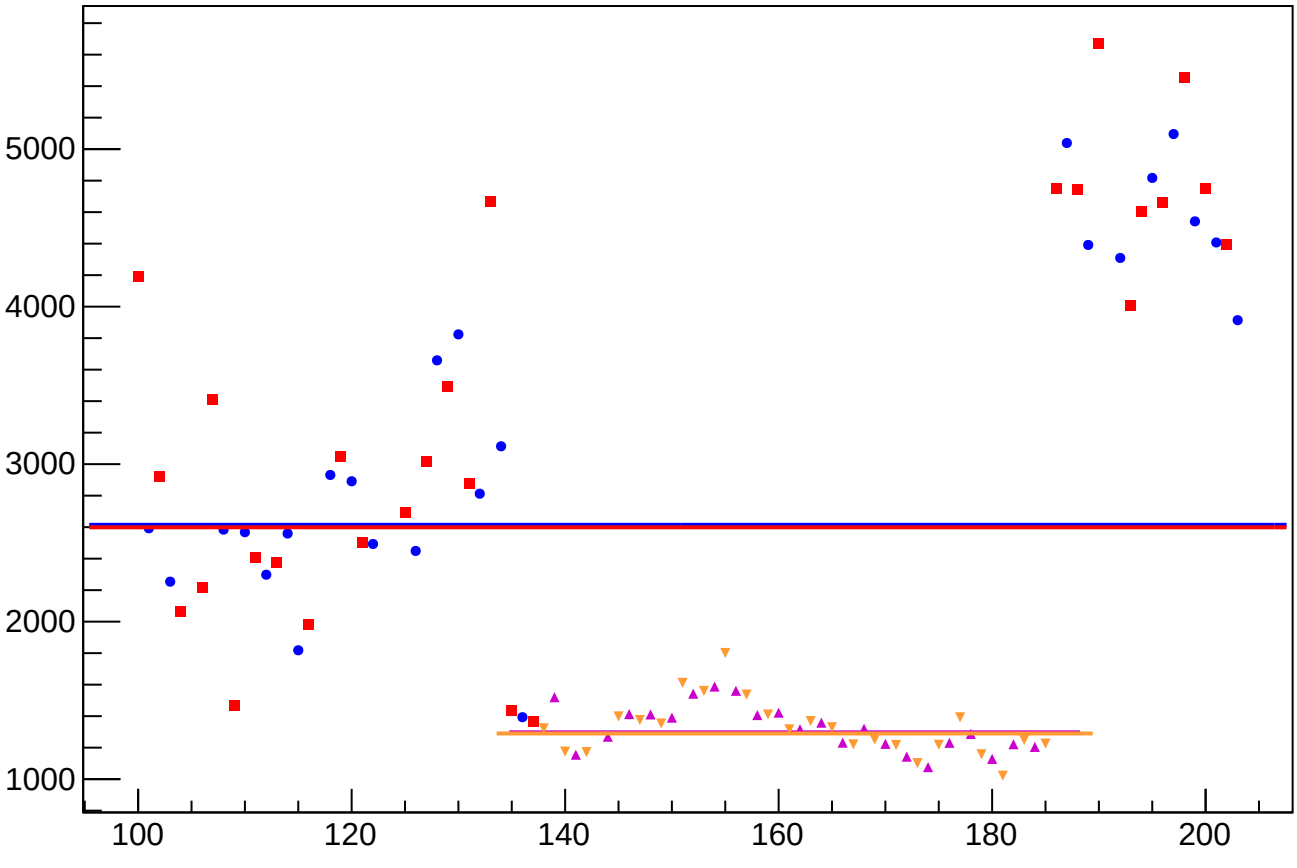
Right: 2152.224+/-0.293 χ^2/NDF: 381870.3/50

In: 2138.904+/-0.270 χ^2/NDF:288690.7/46

Out: 2136.387+/-0.265 χ^2/NDF:272072.5/50

All: 2137.623+/-0.189 χ^2/NDF: 560807.4/97


asym_us_dd_at2lr_dd_avg_cor_correction_mean vs Slug, Sign Corrected
40000
30000
20000
10000
0
−10000
100
120
140
160
180
200
Right In: -1619.152+/-780.028 χ²/NDF: 29.4/23
Left Out: -1144.779+/-302.490 χ²/NDF:67.5/23
Right Out: 1552.837+/-765.567 χ²/NDF: 15.5/26
Left In: 373.186+/-305.379 χ²/NDF:20.3/22
Left: -393.009+/-214.907 χ²/NDF: 100.3/46
Right: -3.483+/-546.379 χ²/NDF: 53.4/50
In: 108.404+/-284.363 χ²/NDF:55.4/46
Out: -780.501+/-281.326 χ²/NDF:93.8/50
All: -340.820+/-199.993 χ²/NDF: 154.1/97



Right In: 2614.690+/-0.552 χ^2/NDF: 3793686.6/23

Left Out: 1290.041+/-0.214 χ^2/NDF:567883.5/23

Right Out: 2599.016+/-0.541 χ^2/NDF: 4759430.0/26

Left In: 1297.458+/-0.216 χ^2/NDF:434006.2/22

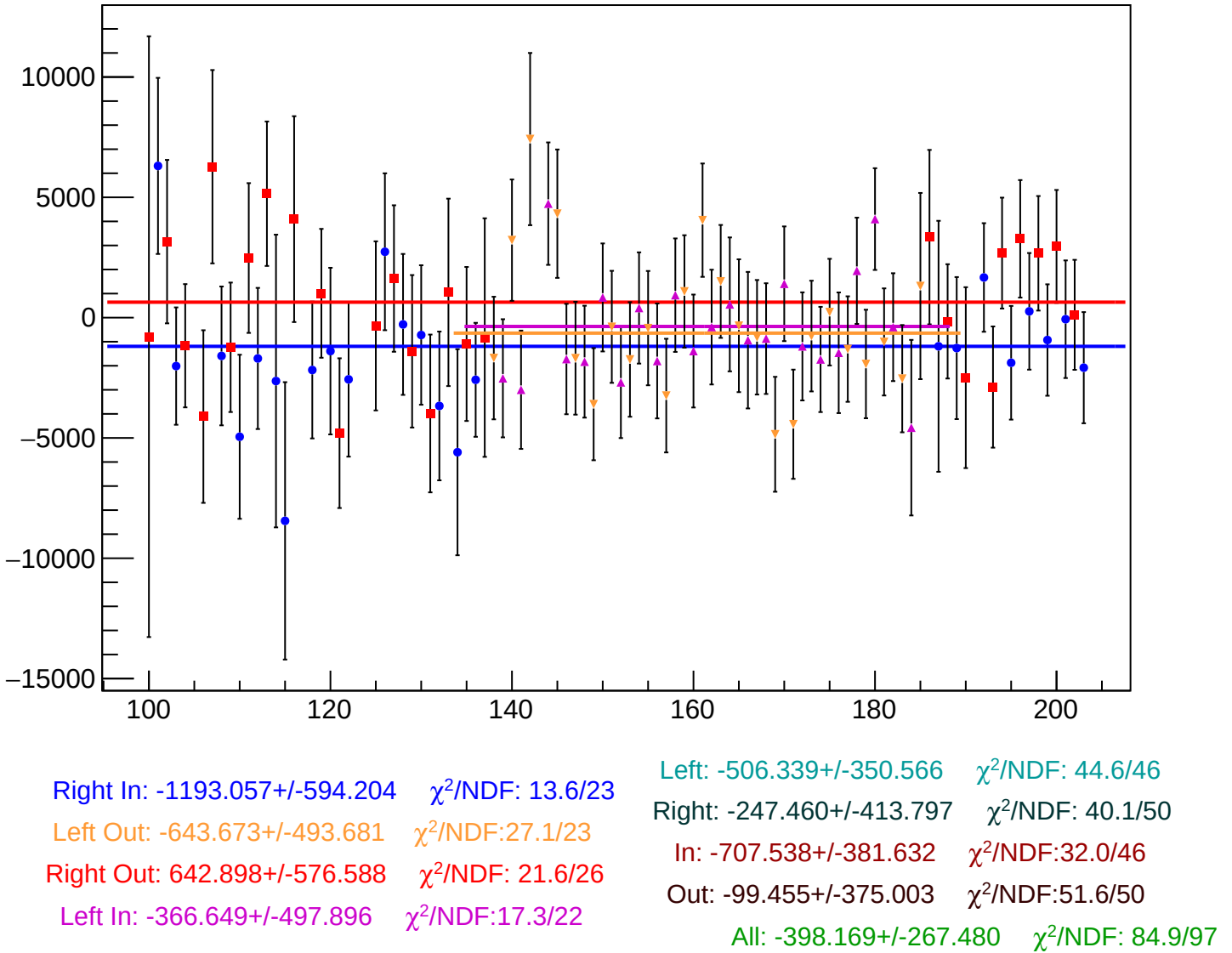
Left: 1293.714+/-0.152 χ^2/NDF: 1002485.3/46

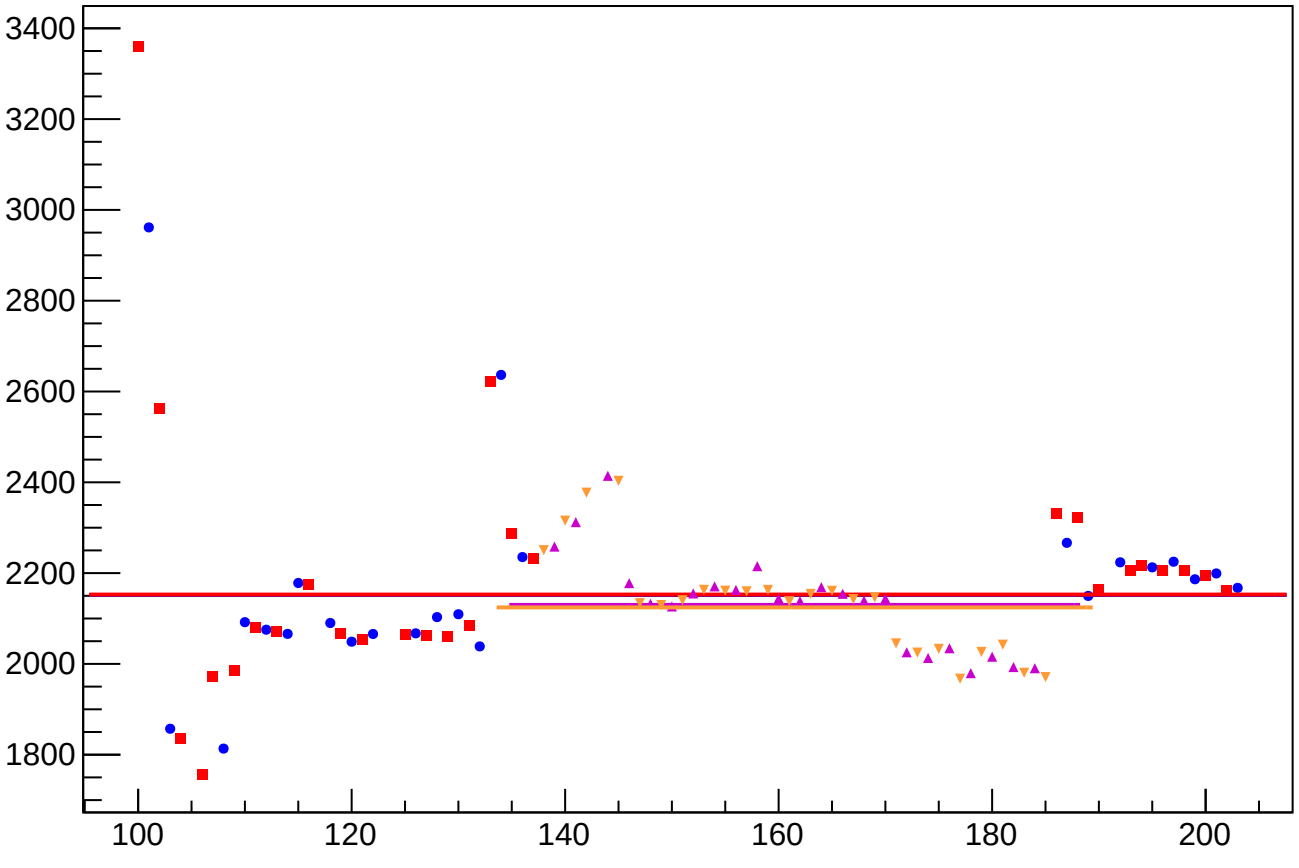
Right: 2606.707+/-0.386 χ^2/NDF: 8553527.9/50

In: 1472.518+/-0.201 χ^2/NDF:9173115.8/46

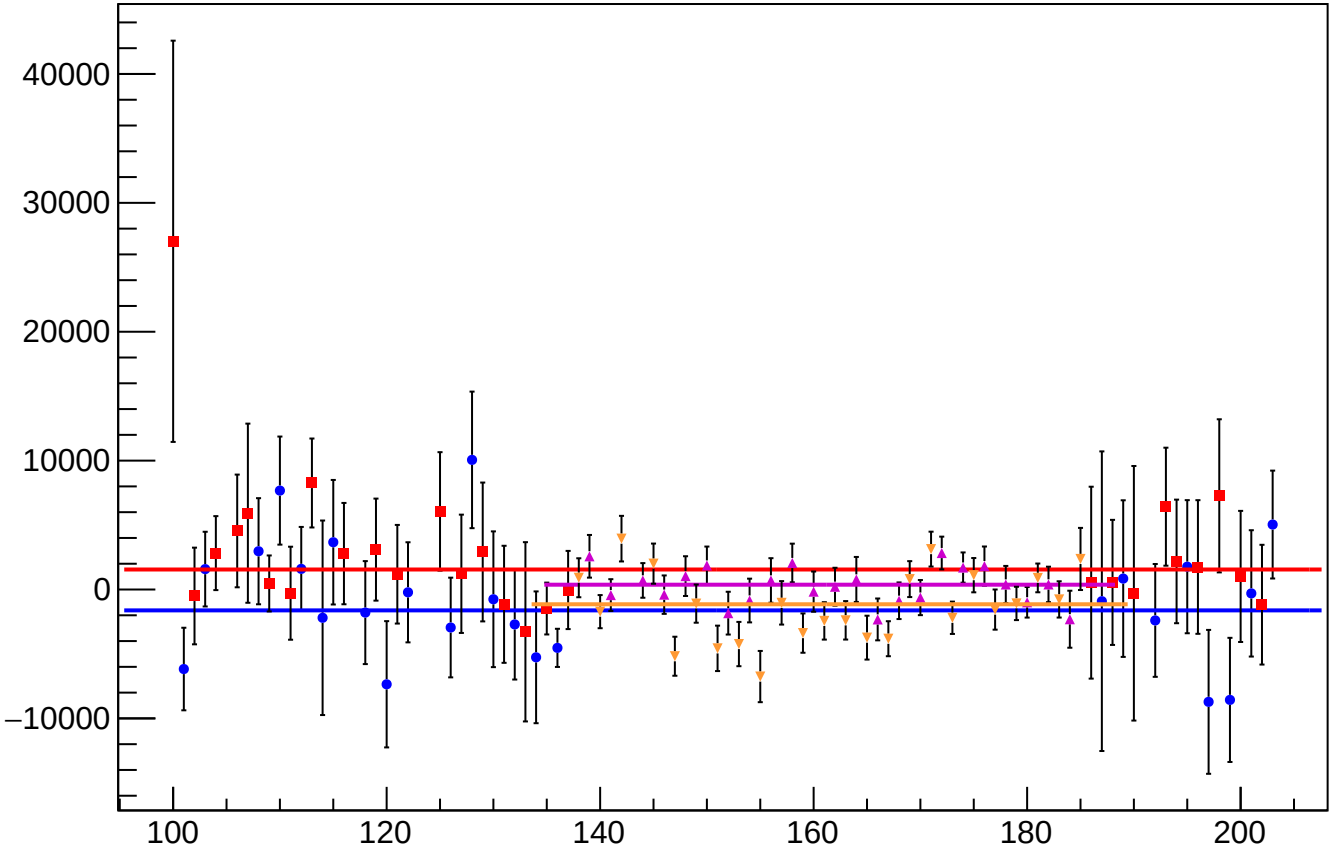
Out: 1466.801+/-0.199 χ^2/NDF:10384672.9/50

All: 1469.629+/-0.141 χ^2/NDF: 19558197.3/9


eigen_cor_asym_us_dd_at2lr_dd_avg_mean vs Slug, Sign Corrected
10000
5000
0
−5000
−10000
−15000
100
120
140
160
180
200
Right In: -1193.057+/-594.204 χ²/NDF: 13.6/23
Left Out: -643.673+/-493.681 χ²/NDF:27.1/23
Right Out: 642.898+/-576.588 χ²/NDF: 21.6/26
Left In: -366.649+/-497.896 χ²/NDF:17.3/22
Left: -506.339+/-350.566 χ²/NDF: 44.6/46
Right: -247.460+/-413.797 χ²/NDF: 40.1/50
In: -707.538+/-381.632 χ²/NDF:32.0/46
Out: -99.455+/-375.003 χ²/NDF:51.6/50
All: -398.169+/-267.480 χ²/NDF: 84.9/97


eigen_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: 2151.732+/-0.420 χ²/NDF: 201749.5/23
Left Out: 2124.437+/-0.349 χ²/NDF:89184.0/23
Right Out: 2152.687+/-0.408 χ²/NDF: 180118.1/26
Left In: 2129.897+/-0.352 χ²/NDF:85354.4/22
Left: 2127.144+/-0.248 χ²/NDF: 174659.7/46
Right: 2152.224+/-0.293 χ²/NDF: 381870.3/50
In: 2138.904+/-0.270 χ²/NDF:288690.7/46
Out: 2136.387+/-0.265 χ²/NDF:272072.5/50
All: 2137.623+/-0.189 χ²/NDF: 560807.4/97

asym_us_dd_at2lr_dd_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -1619.152+/-780.028 χ^2/NDF: 29.4/23

Left Out: -1144.779+/-302.490 χ^2/NDF:67.5/23

Right Out: 1552.837+/-765.567 χ^2/NDF: 15.5/26

Left In: 373.186+/-305.379 χ^2/NDF:20.3/22

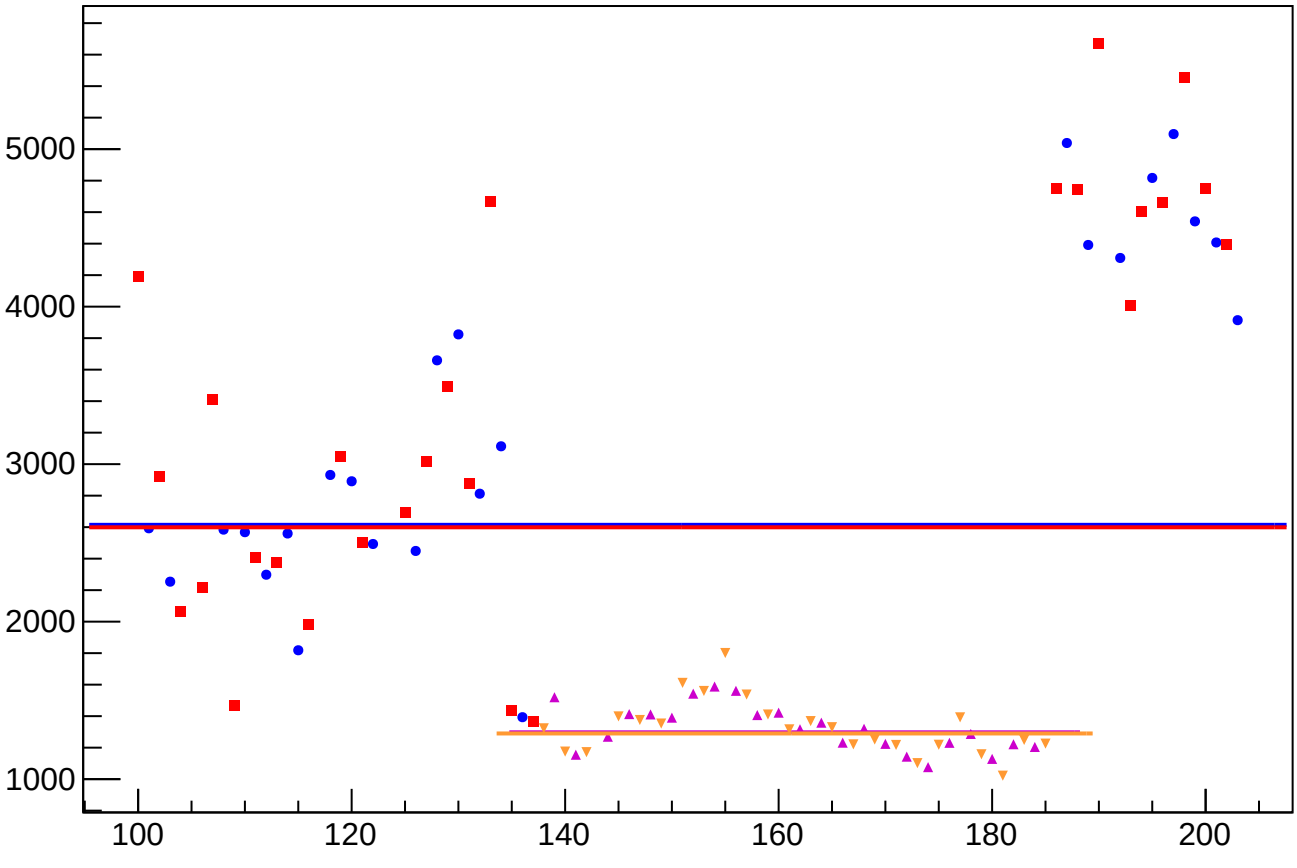
Left: -393.009+/-214.907 χ^2/NDF: 100.3/46

Right: -3.483+/-546.379 χ^2/NDF: 53.4/50

In: 108.404+/-284.363 χ^2/NDF:55.4/46

Out: -780.501+/-281.326 χ^2/NDF:93.8/50

All: -340.820+/-199.993 χ^2/NDF: 154.1/97



Right In: 2614.690+/-0.552 χ^2/NDF: 3793686.6/23

Left Out: 1290.041+/-0.214 χ^2/NDF:567883.5/23

Right Out: 2599.016+/-0.541 χ^2/NDF: 4759430.0/26

Left In: 1297.458+/-0.216 χ^2/NDF:434006.2/22

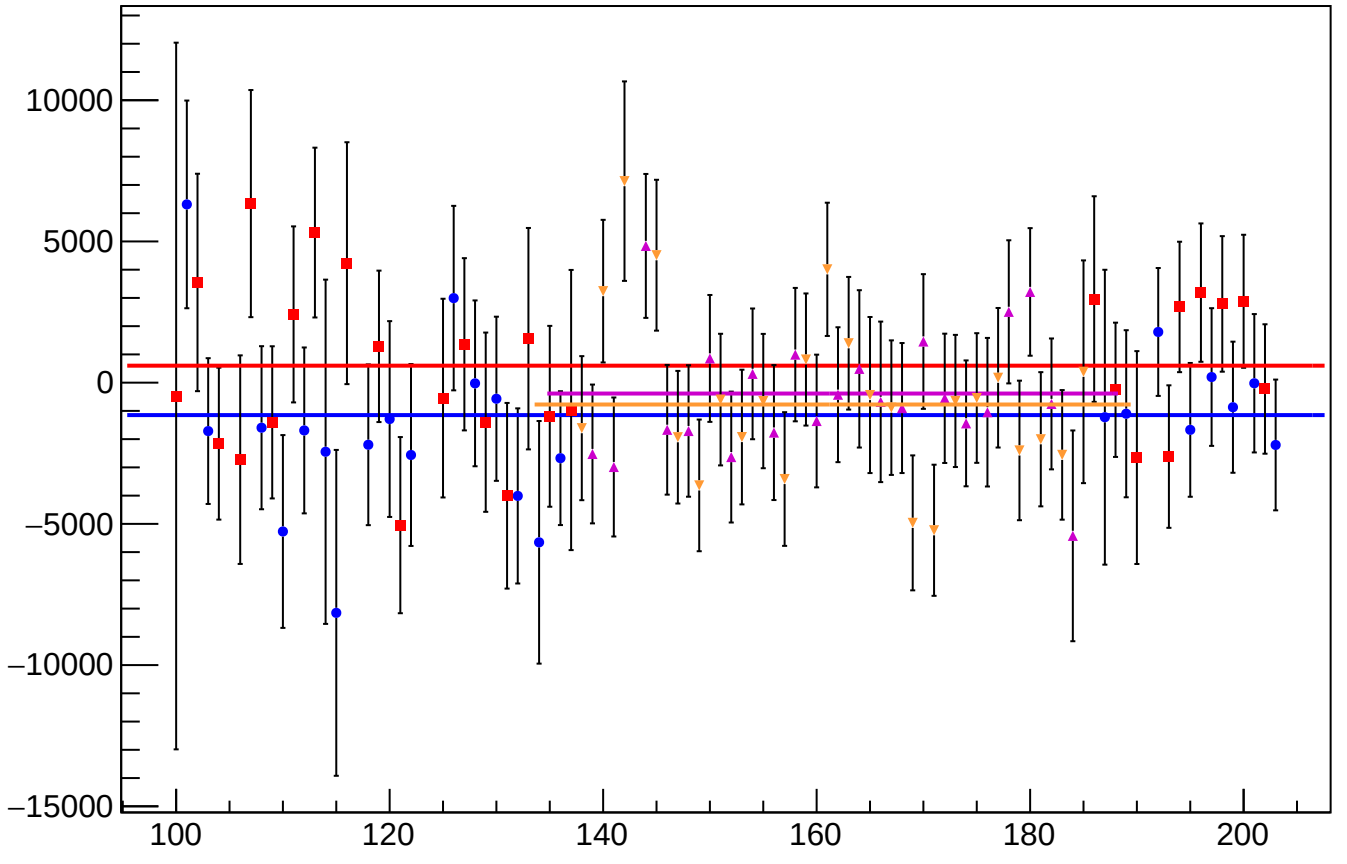
Left: 1293.714+/-0.152 χ^2/NDF: 1002485.3/46

Right: 2606.707+/-0.386 χ^2/NDF: 8553527.9/50

In: 1472.518+/-0.201 χ^2/NDF:9173115.8/46

Out: 1466.801+/-0.199 χ^2/NDF:10384672.9/50

All: 1469.629+/-0.141 χ^2/NDF: 19558197.3/9



Right In: -1148.394+/-597.407 χ^2/NDF: 14.2/23

Left Out: -773.579+/-502.816 χ^2/NDF:28.6/23

Right Out: 601.338+/-581.505 χ^2/NDF: 21.7/26

Left In: -385.269+/-506.052 χ^2/NDF:15.6/22

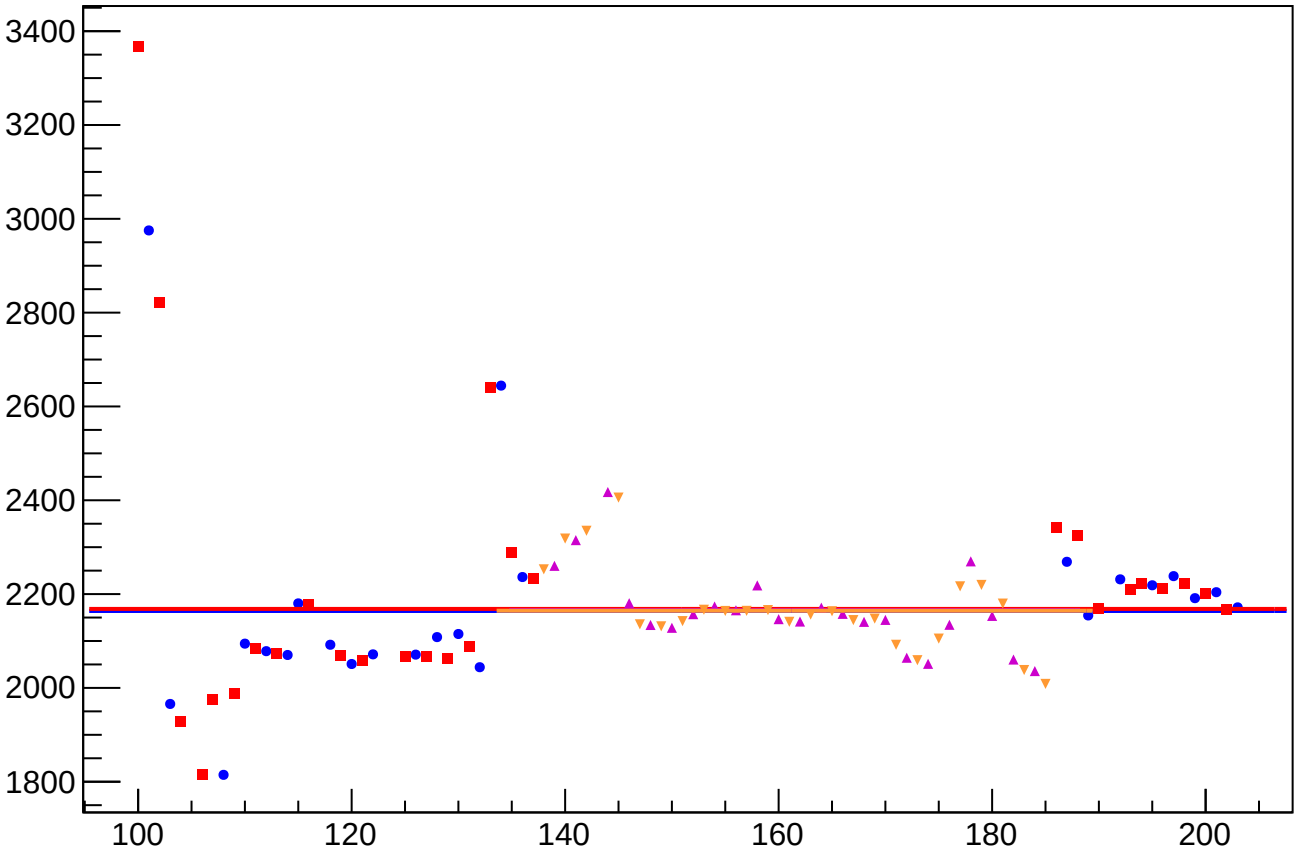
Left: -580.670+/-356.683 χ^2/NDF: 44.5/46

Right: -249.931+/-416.695 χ^2/NDF: 40.2/50

In: -704.083+/-386.137 χ^2/NDF:30.8/46

Out: -185.375+/-380.346 χ^2/NDF:53.4/50

All: -440.811+/-270.970 χ^2/NDF: 85.1/97



Right In: 2163.998+/-0.422 χ^2/NDF: 185664.4/23

Left Out: 2164.532+/-0.356 χ^2/NDF:50676.3/23

Right Out: 2168.393+/-0.411 χ^2/NDF: 188527.6/26

Left In: 2165.643+/-0.358 χ^2/NDF:52124.5/22

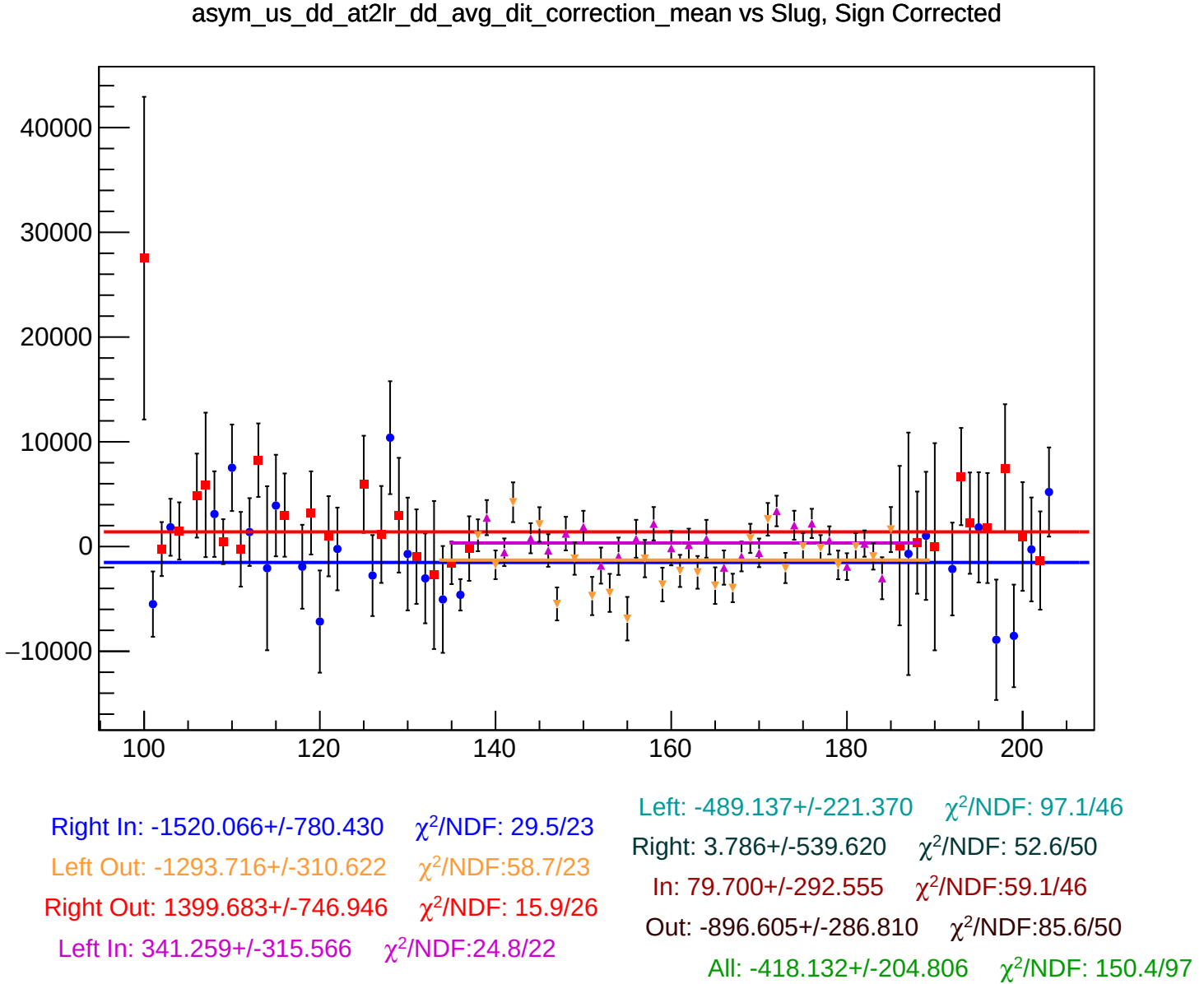
Left: 2165.084+/-0.252 χ^2/NDF: 102805.6/46

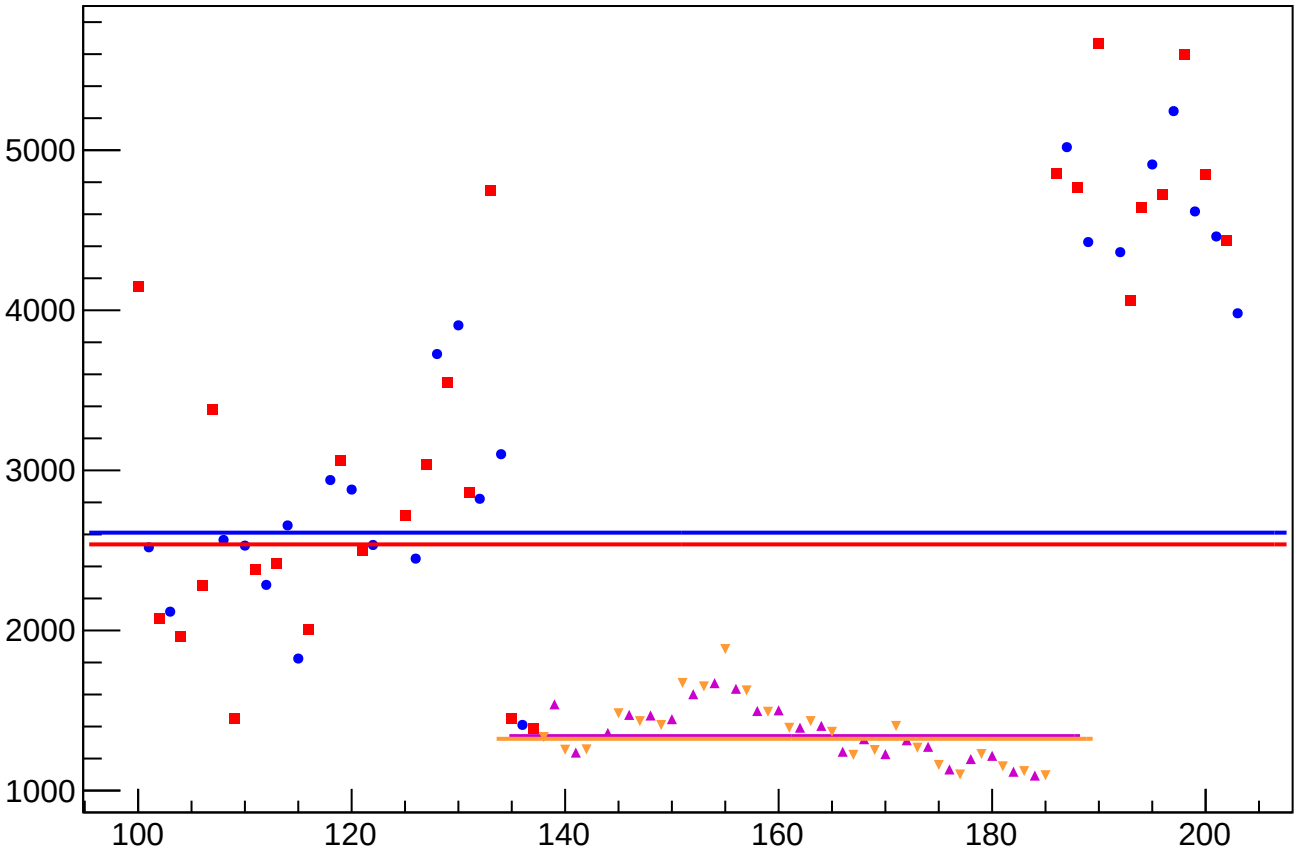
Right: 2166.255+/-0.295 χ^2/NDF: 374247.5/50

In: 2164.956+/-0.273 χ^2/NDF:237797.6/46

Out: 2166.184+/-0.269 χ^2/NDF:239254.3/50

All: 2165.579+/-0.192 χ^2/NDF: 477062.2/97


asym_us_dd_at2lr_dd_avg_dit_correction_mean vs Slug, Sign Corrected
40000
30000
20000
10000
0
−10000
100
120
140
160
180
200
Right In: -1520.066+/-780.430 χ²/NDF: 29.5/23
Left Out: -1293.716+/-310.622 χ²/NDF:58.7/23
Right Out: 1399.683+/-746.946 χ²/NDF: 15.9/26
Left In: 341.259+/-315.566 χ²/NDF:24.8/22
Left: -489.137+/-221.370 χ²/NDF: 97.1/46
Right: 3.786+/-539.620 χ²/NDF: 52.6/50
In: 79.700+/-292.555 χ²/NDF:59.1/46
Out: -896.605+/-286.810 χ²/NDF:85.6/50
All: -418.132+/-204.806 χ²/NDF: 150.4/97



Right In: 2611.038+/-0.552 χ^2/NDF: 3872696.4/23

Left Out: 1323.402+/-0.220 χ^2/NDF:663859.2/23

Right Out: 2537.782+/-0.528 χ^2/NDF: 4928527.9/26

Left In: 1340.084+/-0.223 χ^2/NDF:494267.4/22

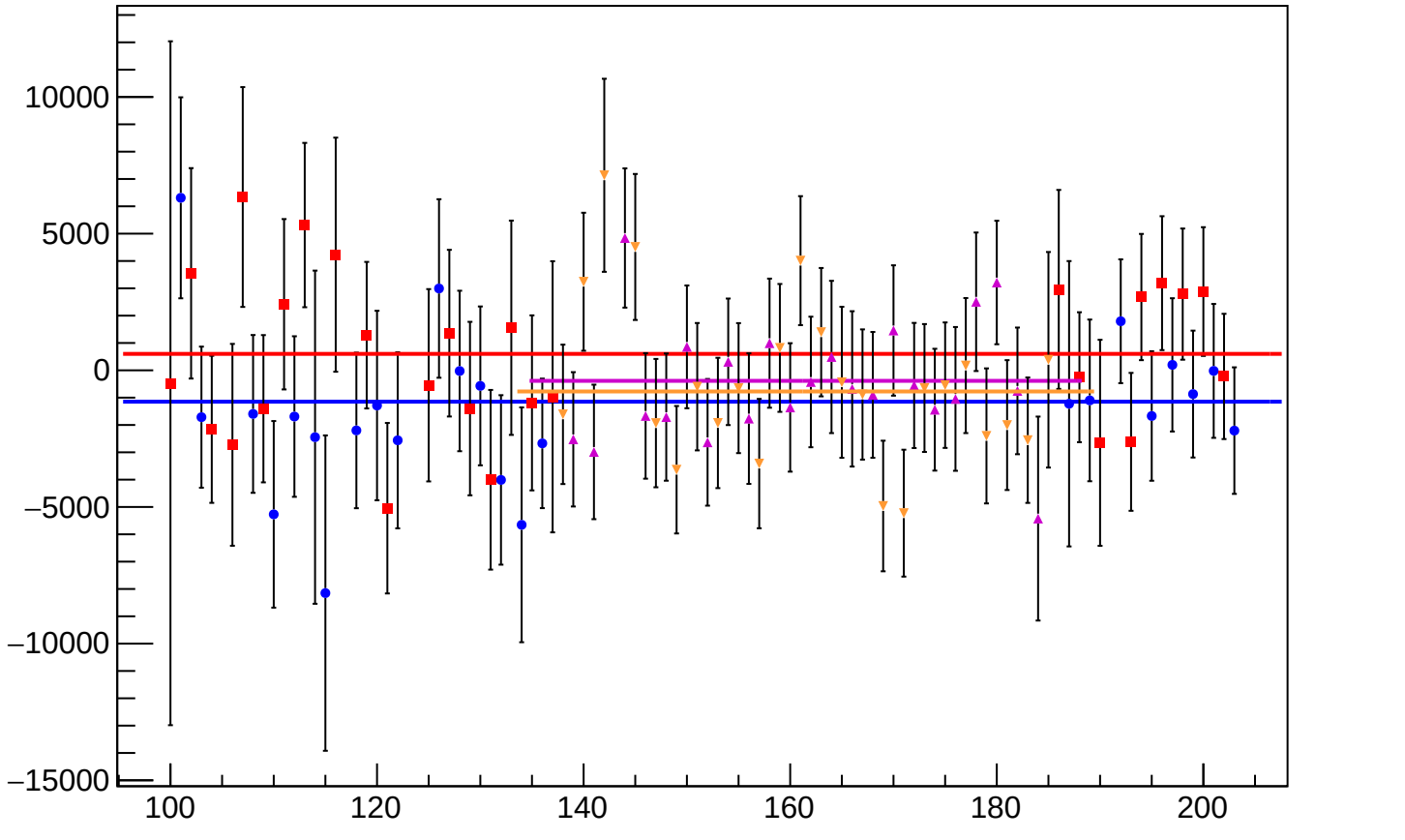
Left: 1331.612+/-0.157 χ^2/NDF: 1160965.4/46

Right: 2572.805+/-0.382 χ^2/NDF: 8810421.2/50

In: 1518.682+/-0.207 χ^2/NDF:8925817.3/46

Out: 1502.449+/-0.203 χ^2/NDF:10099370.9/50

All: 1510.405+/-0.145 χ^2/NDF: 19028328.3/9



Right In: -1148.395+/-597.407 χ^2/NDF: 14.2/23

Left Out: -773.576+/-502.816 χ^2/NDF:28.6/23

Right Out: 601.338+/-581.505 χ^2/NDF: 21.7/26

Left In: -385.269+/-506.052 χ^2/NDF:15.6/22

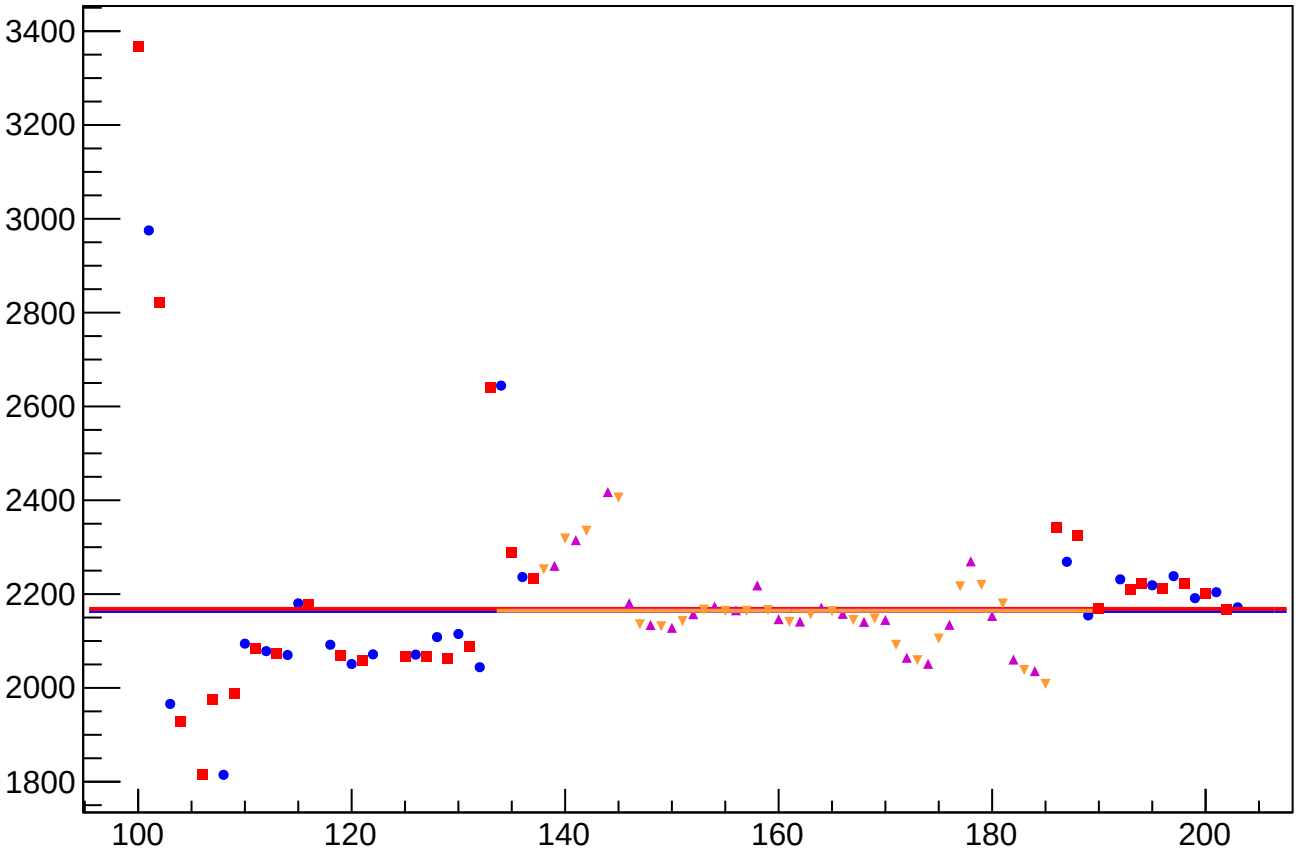
Left: -580.668+/-356.683 χ^2/NDF: 44.5/46

Right: -249.932+/-416.695 χ^2/NDF: 40.2/50

In: -704.083+/-386.137 χ^2/NDF:30.8/46

Out: -185.373+/-380.346 χ^2/NDF:53.4/50

All: -440.810+/-270.970 χ^2/NDF: 85.1/97



Right In: 2163.998+/-0.422 χ^2/NDF: 185664.3/23

Left Out: 2164.532+/-0.356 χ^2/NDF:50676.3/23

Right Out: 2168.393+/-0.411 χ^2/NDF: 188527.5/26

Left In: 2165.643+/-0.358 χ^2/NDF:52124.4/22

Left: 2165.084+/-0.252 χ^2/NDF: 102805.6/46

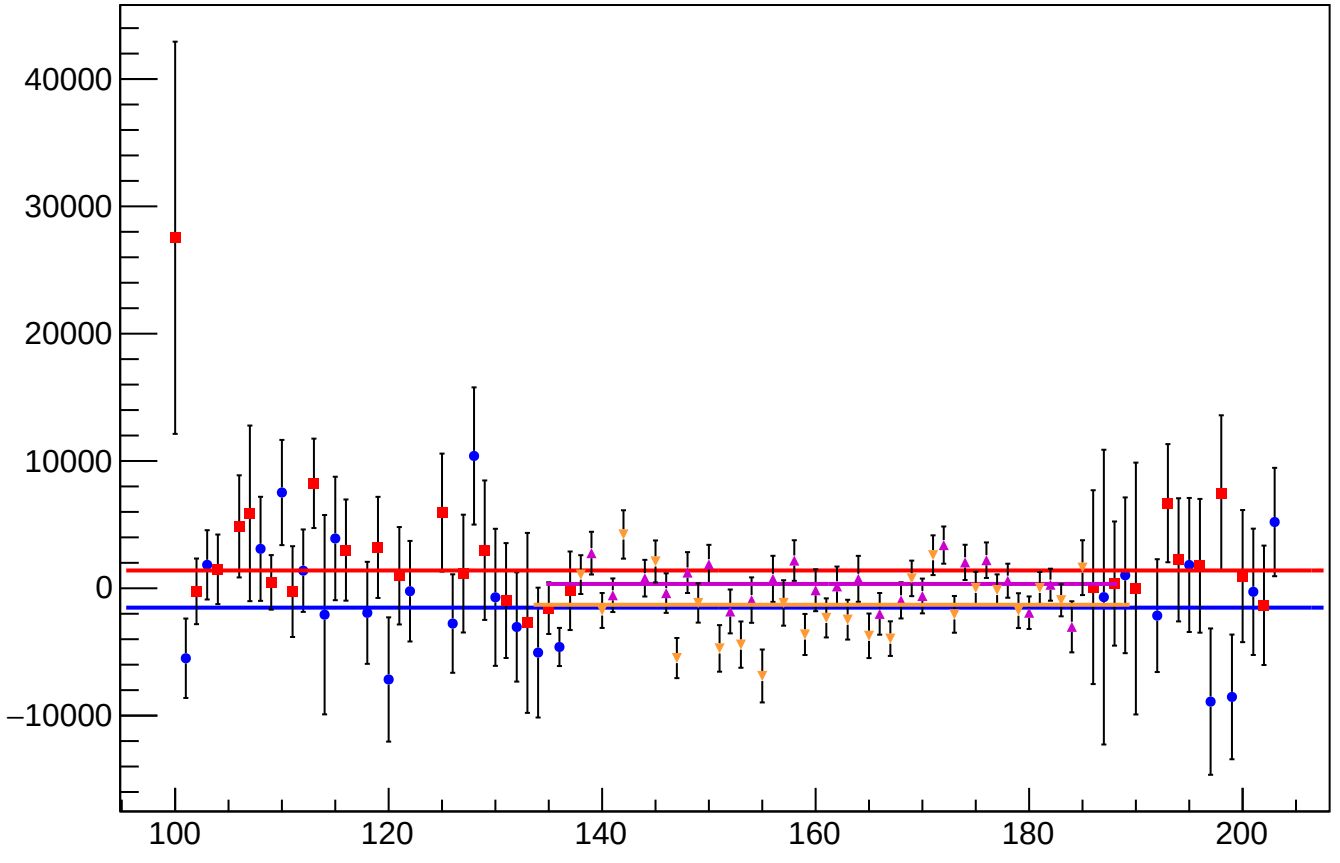
Right: 2166.255+/-0.295 χ^2/NDF: 374247.3/50

In: 2164.956+/-0.273 χ^2/NDF:237797.5/46

Out: 2166.184+/-0.269 χ^2/NDF:239254.2/50

All: 2165.579+/-0.192 χ^2/NDF: 477062.1/97

asym_us_dd_at2lr_dd_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -1520.054+/-780.432 χ^2/NDF: 29.5/23

Left Out: -1293.717+/-310.622 χ^2/NDF:58.7/23

Right Out: 1399.699+/-746.949 χ^2/NDF: 15.9/26

Left In: 341.256+/-315.566 χ^2/NDF:24.8/22

Left: -489.138+/-221.370 χ^2/NDF: 97.1/46

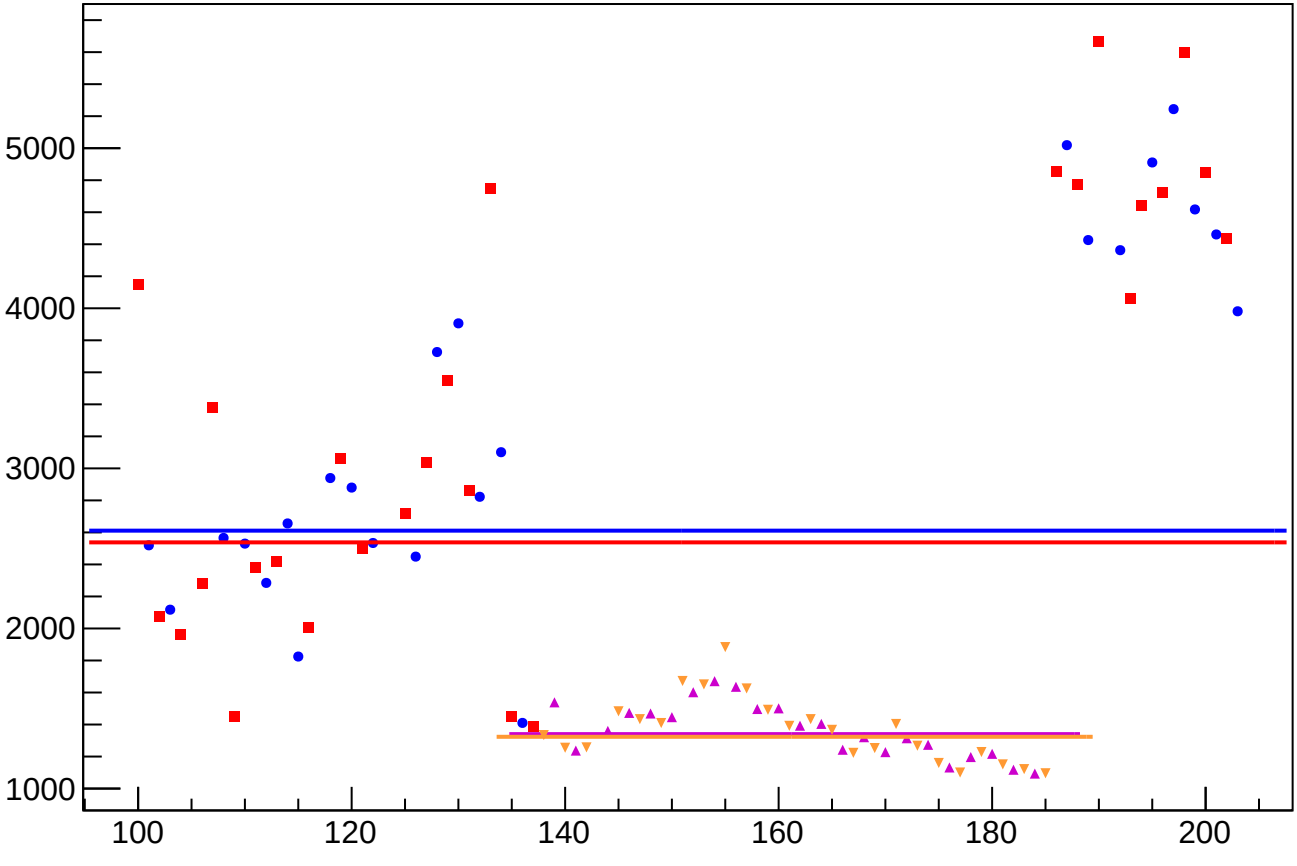
Right: 3.799+/-539.621 χ^2/NDF: 52.6/50

In: 79.701+/-292.555 χ^2/NDF:59.1/46

Out: -896.606+/-286.810 χ^2/NDF:85.6/50

All: -418.131+/-204.806 χ^2/NDF: 150.4/97

asym_us_dd_at2lr_dd_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 2611.050+/-0.552 χ^2/NDF: 3872610.9/23

Left Out: 1323.402+/-0.220 χ^2/NDF:663857.6/23

Right Out: 2537.795+/-0.528 χ^2/NDF: 4928448.1/26

Left In: 1340.083+/-0.223 χ^2/NDF:494276.1/22

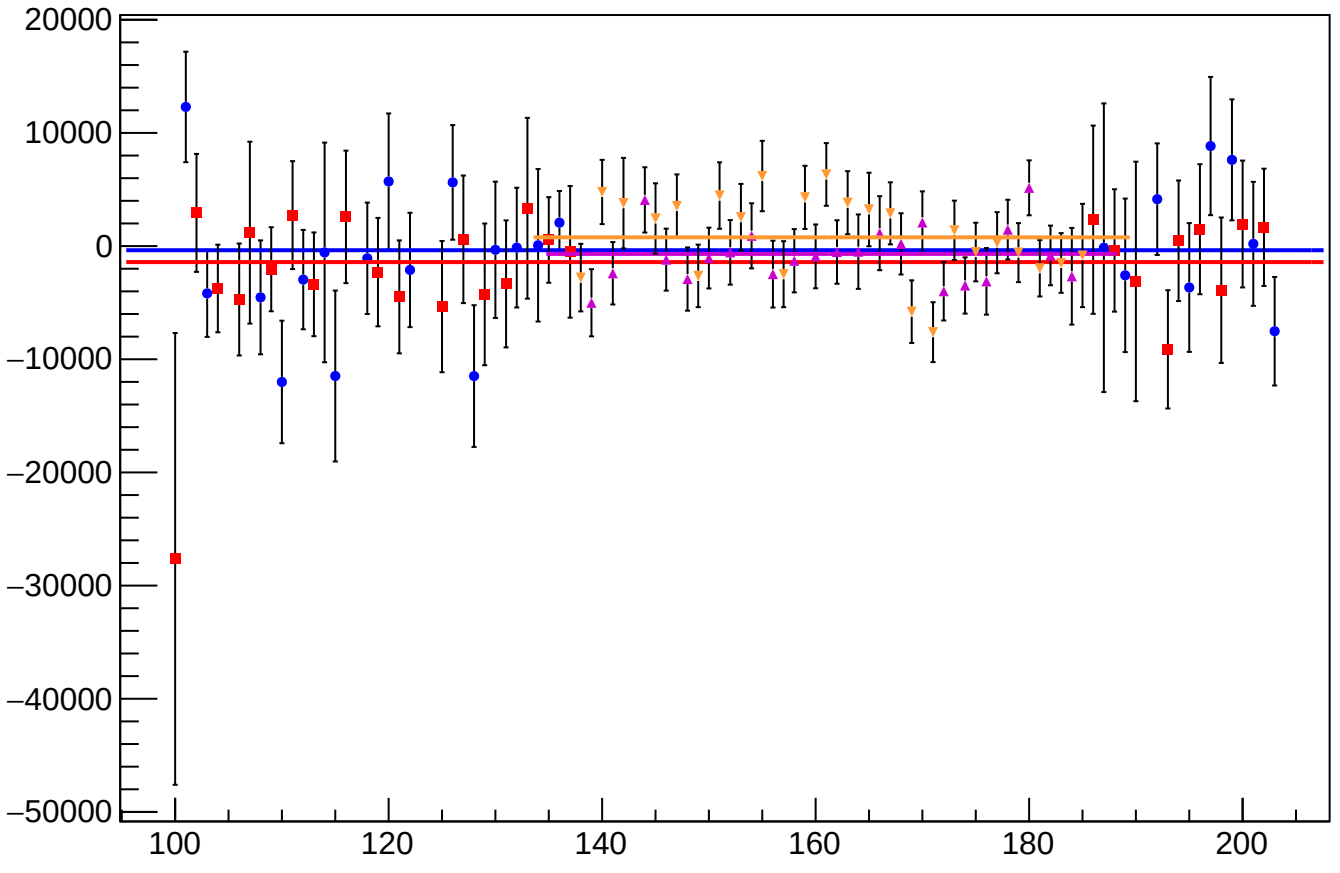
Left: 1331.611+/-0.157 χ^2/NDF: 1160972.0/46

Right: 2572.817+/-0.382 χ^2/NDF: 8810255.7/50

In: 1518.682+/-0.207 χ^2/NDF:8925819.3/46

Out: 1502.449+/-0.203 χ^2/NDF:10099362.0/50

All: 1510.405+/-0.145 χ^2/NDF: 19028320.8/9



Right In: -364.637+/-1061.729 χ^2/NDF: 30.0/23

Left Out: 774.788+/-583.692 χ^2/NDF:39.3/23

Right Out: -1414.278+/-1039.162 χ^2/NDF: 10.4/26

Left In: -689.981+/-587.431 χ^2/NDF:18.3/22

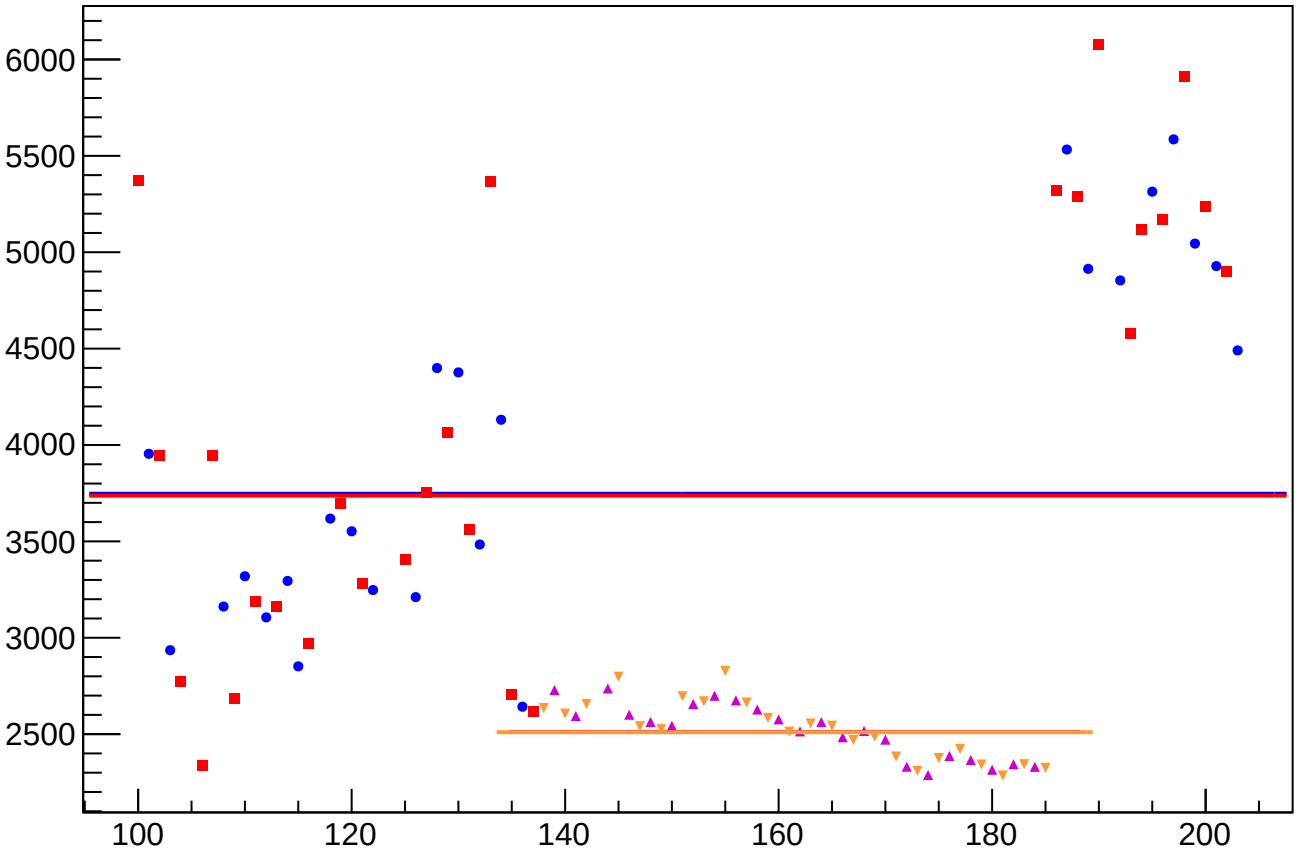
Left: 47.079+/-414.048 χ^2/NDF: 60.8/46

Right: -900.731+/-742.649 χ^2/NDF: 41.0/50

In: -613.730+/-514.003 χ^2/NDF:48.4/46

Out: 249.776+/-508.907 χ^2/NDF:53.1/50

All: -177.675+/-361.640 χ^2/NDF: 103.0/97



Right In: 3747.074+/-0.751 χ^2/NDF: 1409887.7/23

Left Out: 2510.069+/-0.413 χ^2/NDF:128632.5/23

Right Out: 3737.242+/-0.735 χ^2/NDF: 2010526.1/26

Left In: 2511.613+/-0.415 χ^2/NDF:113485.5/22

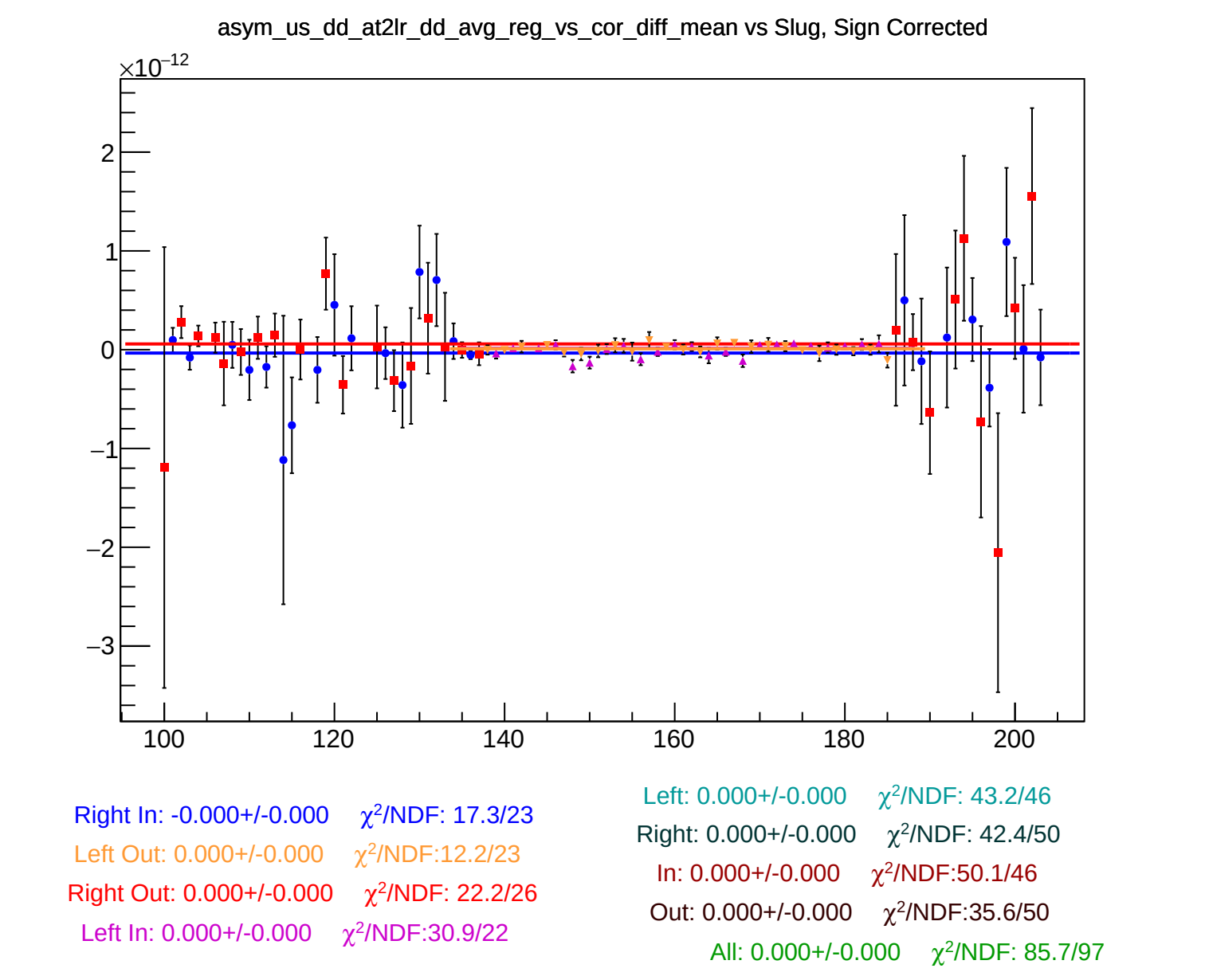
Left: 2510.836+/-0.293 χ^2/NDF: 242124.9/46

Right: 3742.052+/-0.525 χ^2/NDF: 3420501.4/50

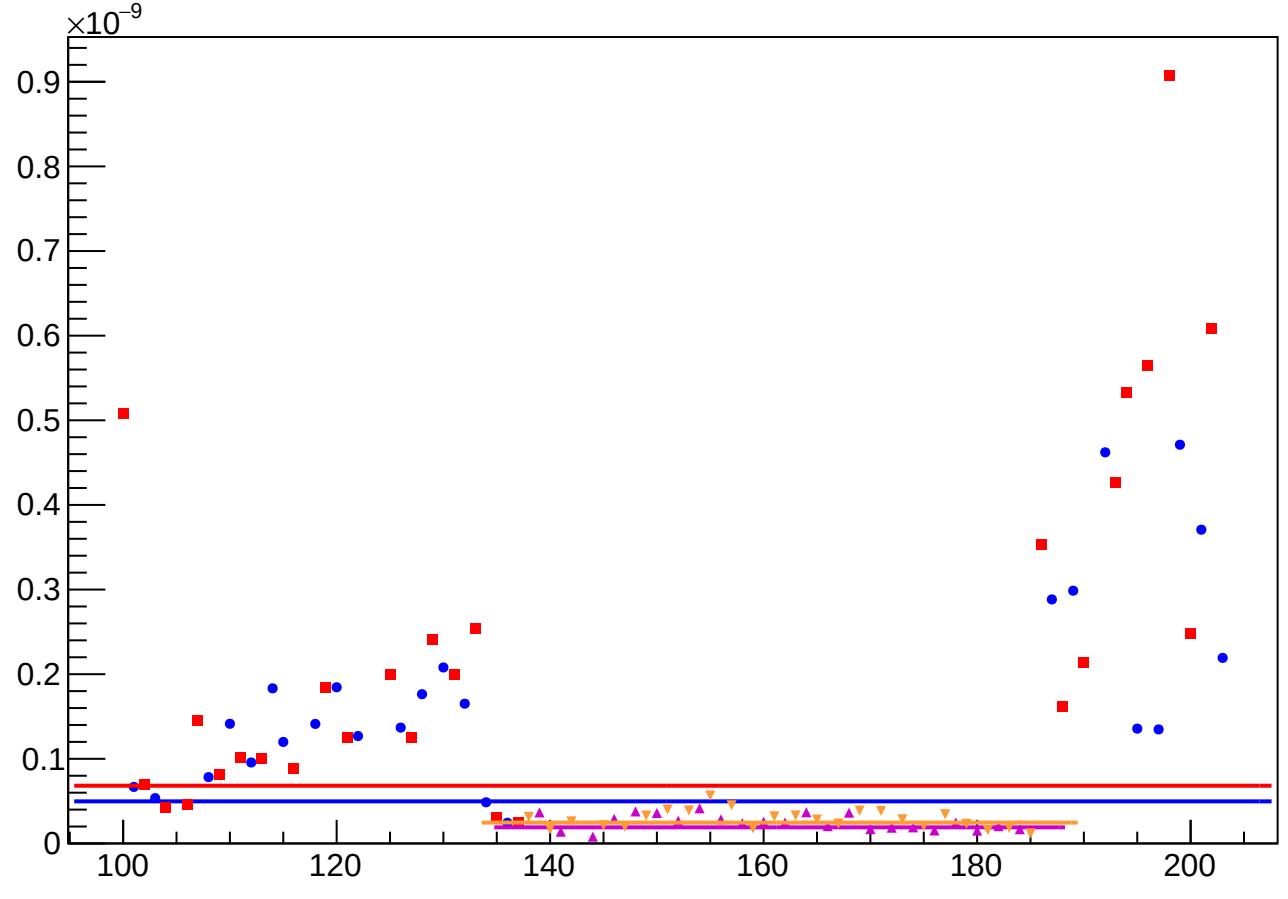
In: 2801.169+/-0.363 χ^2/NDF:3596756.7/46

Out: 2804.391+/-0.360 χ^2/NDF:4259427.1/50

All: 2802.796+/-0.256 χ^2/NDF: 7856223.5/97


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: 17.3/23
Left Out: 0.000+/-0.000 χ²/NDF:12.2/23
Right Out: 0.000+/-0.000 χ²/NDF: 22.2/26
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: 42.4/50
In: 0.000+/-0.000 χ²/NDF:50.1/46
Out: 0.000+/-0.000 χ²/NDF:35.6/50
All: 0.000+/-0.000 χ²/NDF: 85.7/97

asym_us_dd_at2lr_dd_avg_reg_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 4974293.1/23

Left Out: 0.000+/-0.000 χ^2/NDF:1413212.9/23

Right Out: 0.000+/-0.000 χ^2/NDF: 6172958.5/26

Left In: 0.000+/-0.000 χ^2/NDF:2190334.0/22

Left: 0.000+/-0.000 χ^2/NDF: 3972817.3/46

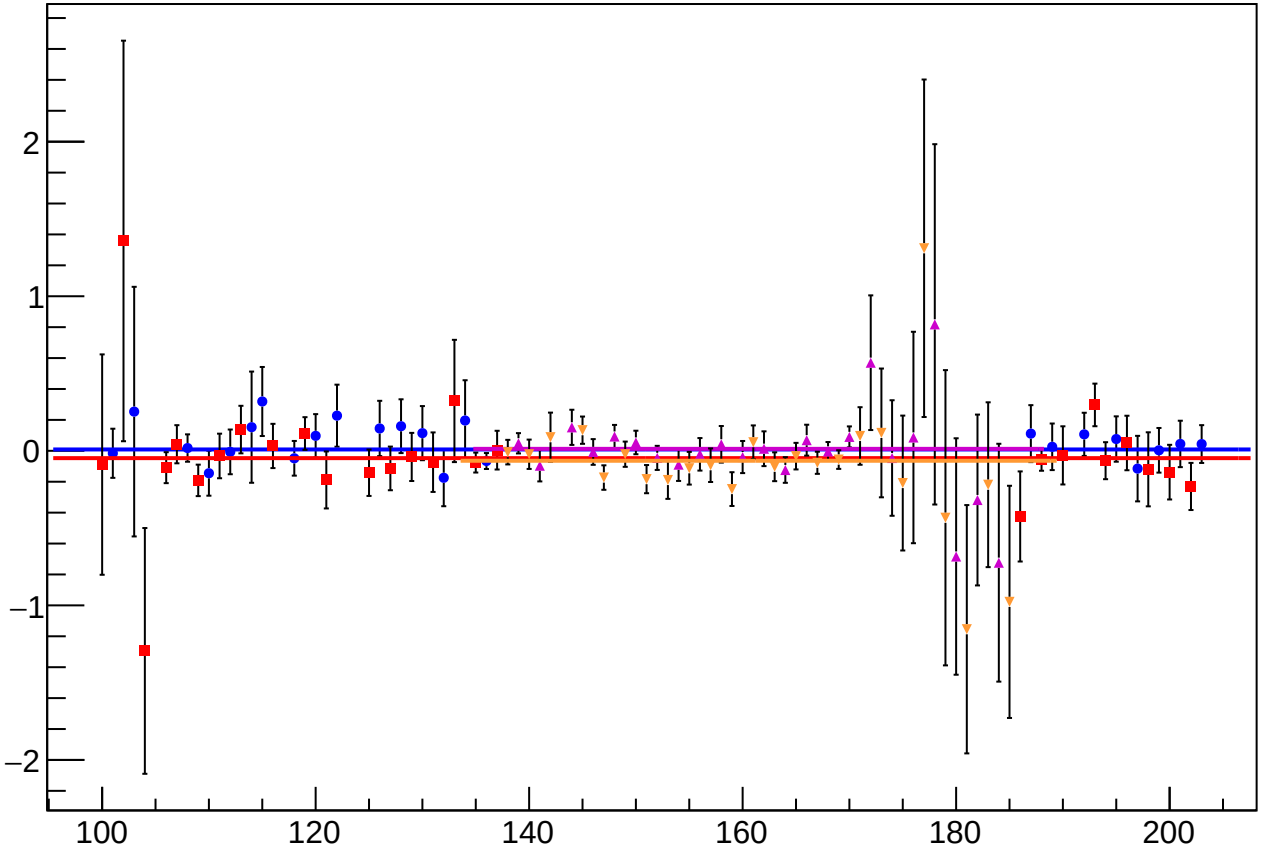
Right: 0.000+/-0.000 χ^2/NDF: 11380158.0/50

In: 0.000+/-0.000 χ^2/NDF:8711668.2/46

Out: 0.000+/-0.000 χ^2/NDF:9594017.6/50

All: 0.000+/-0.000 χ^2/NDF: 18763475.1/97

asym_us_dd_at2lr_dd_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.009+/-0.028 χ^2/NDF: 12.0/23

Left Out: -0.064+/-0.022 χ^2/NDF:22.3/23

Right Out: -0.047+/-0.026 χ^2/NDF: 23.1/26

Left In: 0.013+/-0.021 χ^2/NDF:15.0/22

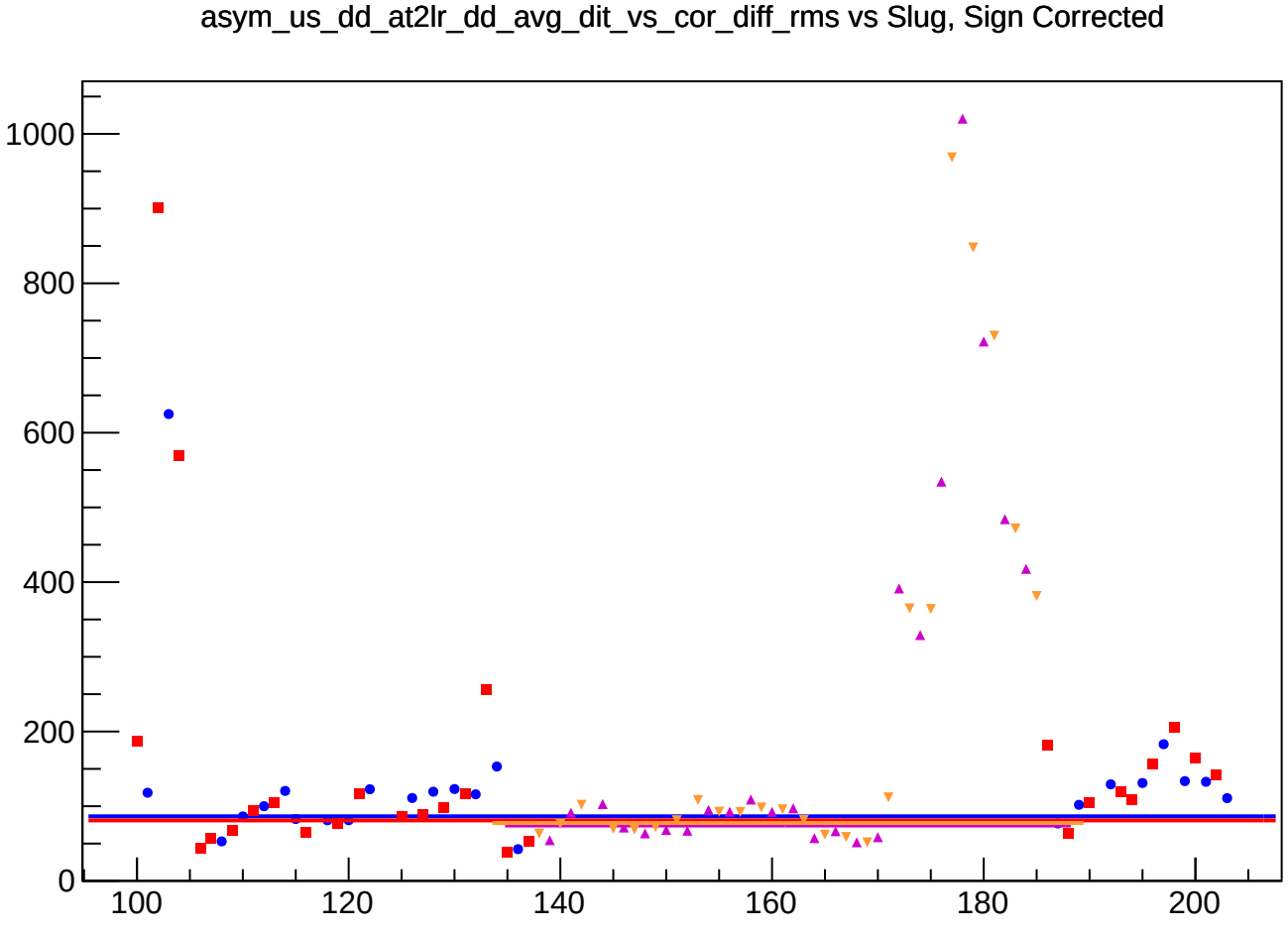
Left: -0.024+/-0.015 χ^2/NDF: 43.7/46

Right: -0.021+/-0.019 χ^2/NDF: 37.3/50

In: 0.011+/-0.017 χ^2/NDF:27.0/46

Out: -0.057+/-0.017 χ^2/NDF:45.7/50

All: -0.023+/-0.012 χ^2/NDF: 81.0/97



Right In: 86.476+/-0.019 χ^2/NDF: 4487657.9/23

Left Out: 77.533+/-0.016 χ^2/NDF:8331194.0/23

Right Out: 80.995+/-0.018 χ^2/NDF: 5952813.8/26

Left In: 74.216+/-0.015 χ^2/NDF:8514080.5/22

Left: 75.800+/-0.011 χ^2/NDF: 16868814.0/46

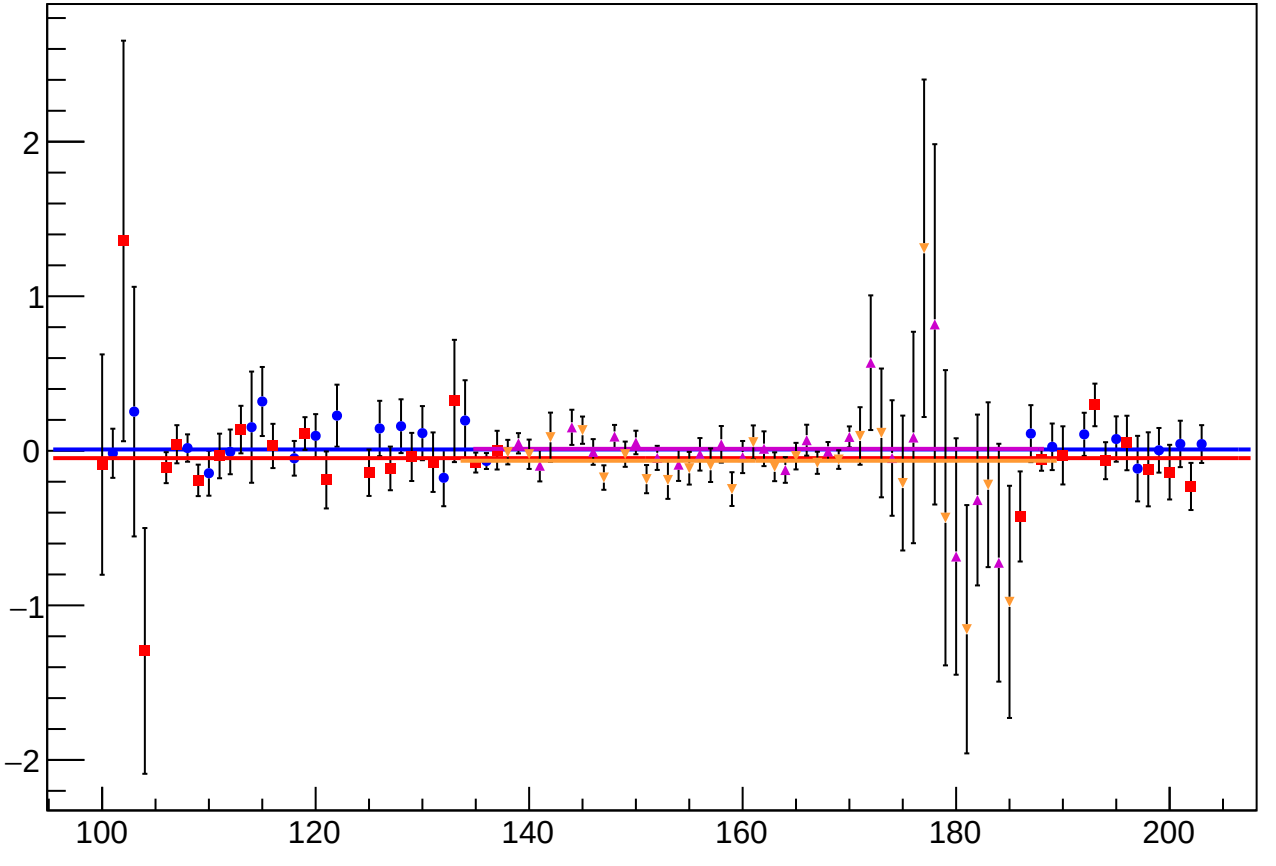
Right: 83.573+/-0.013 χ^2/NDF: 10482337.6/50

In: 78.751+/-0.012 χ^2/NDF:13250932.0/46

Out: 78.987+/-0.012 χ^2/NDF:14304611.4/50

All: 78.869+/-0.008 χ^2/NDF: 27555740.5/97

asym_us_dd_at2lr_dd_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.009+/-0.028 χ^2/NDF: 12.0/23

Left Out: -0.064+/-0.022 χ^2/NDF:22.3/23

Right Out: -0.047+/-0.026 χ^2/NDF: 23.1/26

Left In: 0.013+/-0.021 χ^2/NDF:15.0/22

Left: -0.024+/-0.015 χ^2/NDF: 43.7/46

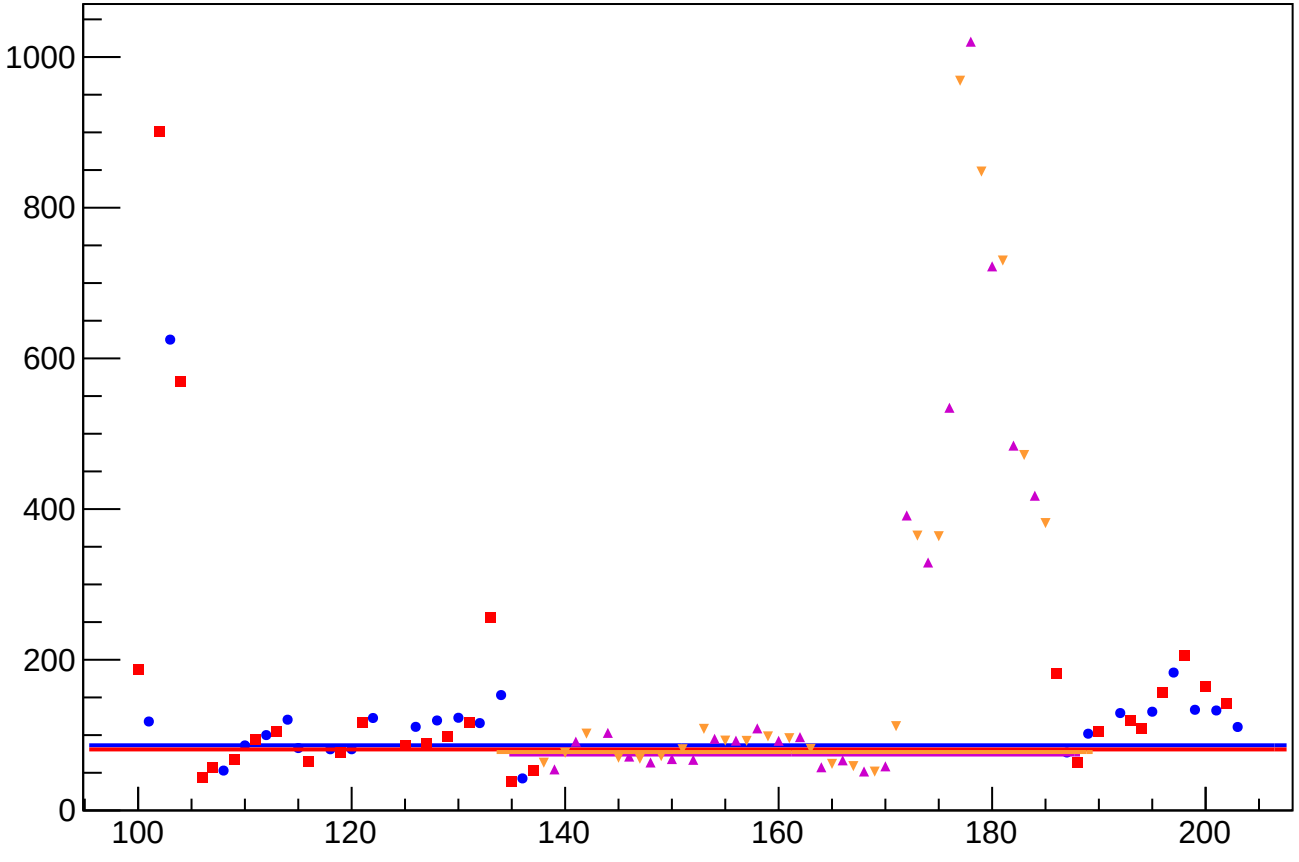
Right: -0.021+/-0.019 χ^2/NDF: 37.3/50

In: 0.011+/-0.017 χ^2/NDF:27.0/46

Out: -0.057+/-0.017 χ^2/NDF:45.7/50

All: -0.023+/-0.012 χ^2/NDF: 81.0/97

asym_us_dd_at2lr_dd_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 86.476+/-0.019 χ^2/NDF: 4487657.9/23

Left Out: 77.533+/-0.016 χ^2/NDF:8331194.0/23

Right Out: 80.995+/-0.018 χ^2/NDF: 5952813.8/26

Left In: 74.216+/-0.015 χ^2/NDF:8514080.5/22

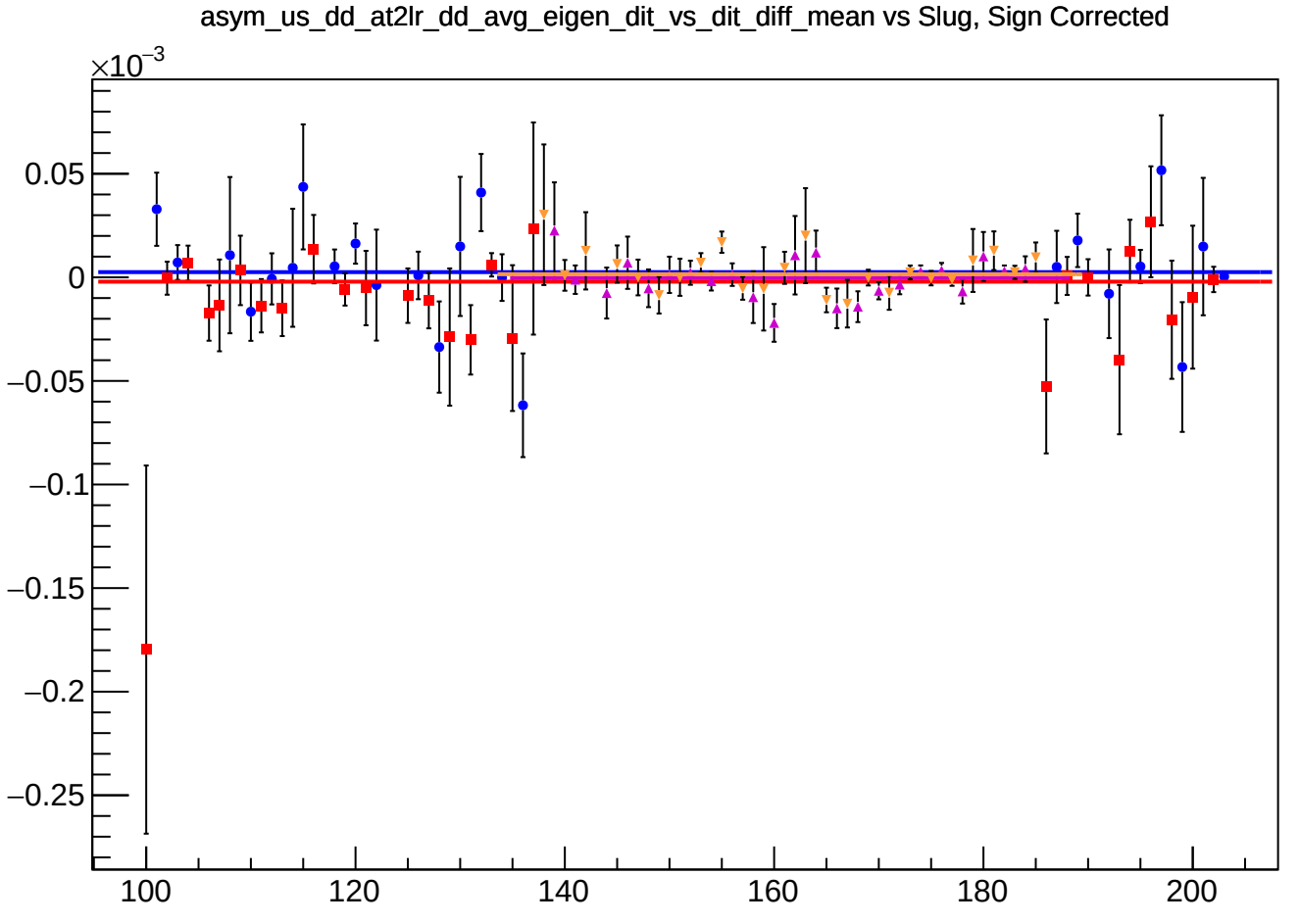
Left: 75.800+/-0.011 χ^2/NDF: 16868814.0/46

Right: 83.573+/-0.013 χ^2/NDF: 10482337.6/50

In: 78.751+/-0.012 χ^2/NDF:13250932.0/46

Out: 78.987+/-0.012 χ^2/NDF:14304611.4/50

All: 78.869+/-0.008 χ^2/NDF: 27555740.5/97



Right In: 0.000+/-0.000 χ^2/NDF: 31.3/23

Left Out: 0.000+/-0.000 χ^2/NDF:27.1/23

Right Out: -0.000+/-0.000 χ^2/NDF: 23.1/26

Left In: -0.000+/-0.000 χ^2/NDF:24.6/22

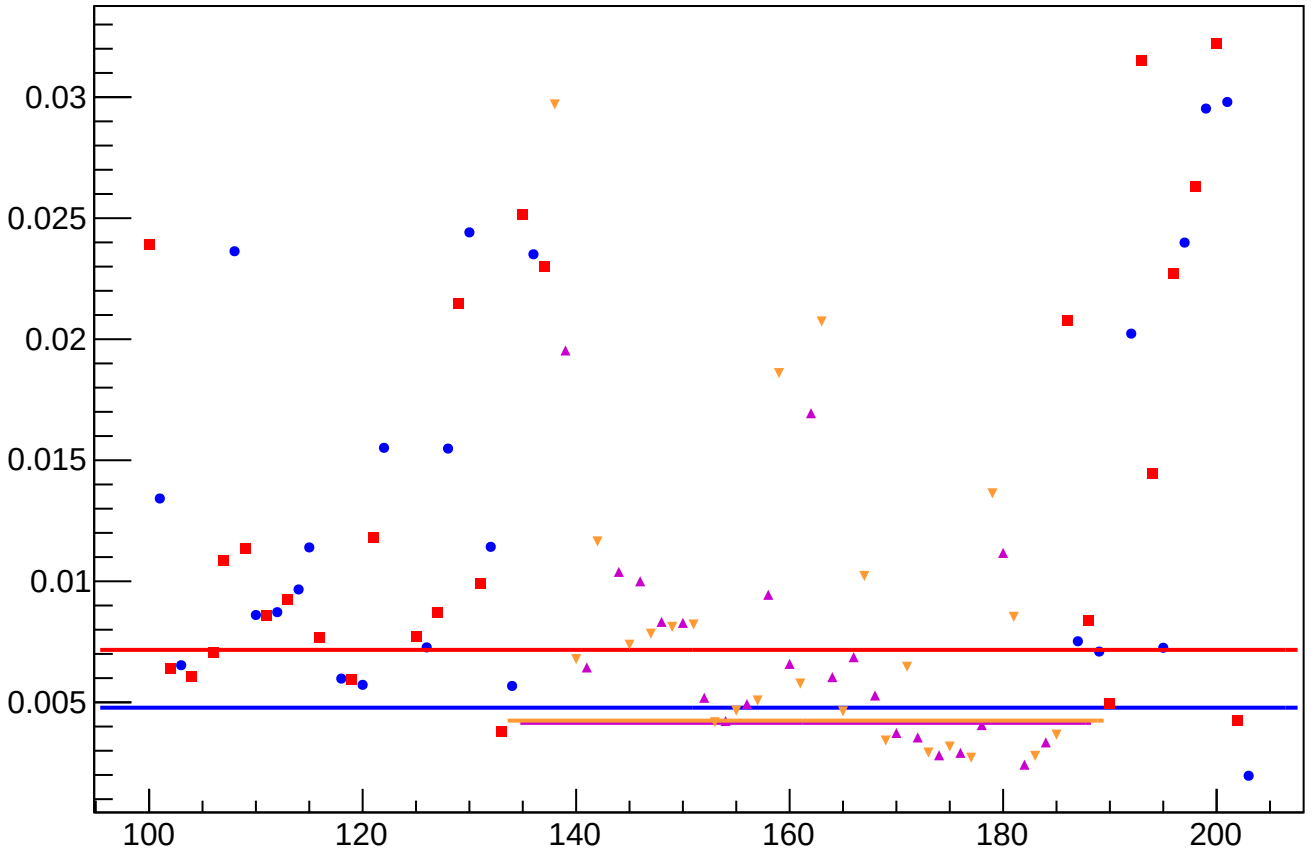
Left: 0.000+/-0.000 χ^2/NDF: 52.9/46

Right: 0.000+/-0.000 χ^2/NDF: 56.7/50

In: 0.000+/-0.000 χ^2/NDF:57.5/46

Out: 0.000+/-0.000 χ^2/NDF:52.1/50

All: 0.000+/-0.000 χ^2/NDF: 109.7/97



Right In: 0.005+/-0.000 χ^2/NDF: 11922473.9/23

Left Out: 0.004+/-0.000 χ^2/NDF:8650909.7/23

Right Out: 0.007+/-0.000 χ^2/NDF: 7434788.9/26

Left In: 0.004+/-0.000 χ^2/NDF:6886421.5/22

Left: 0.004+/-0.000 χ^2/NDF: 15543472.1/46

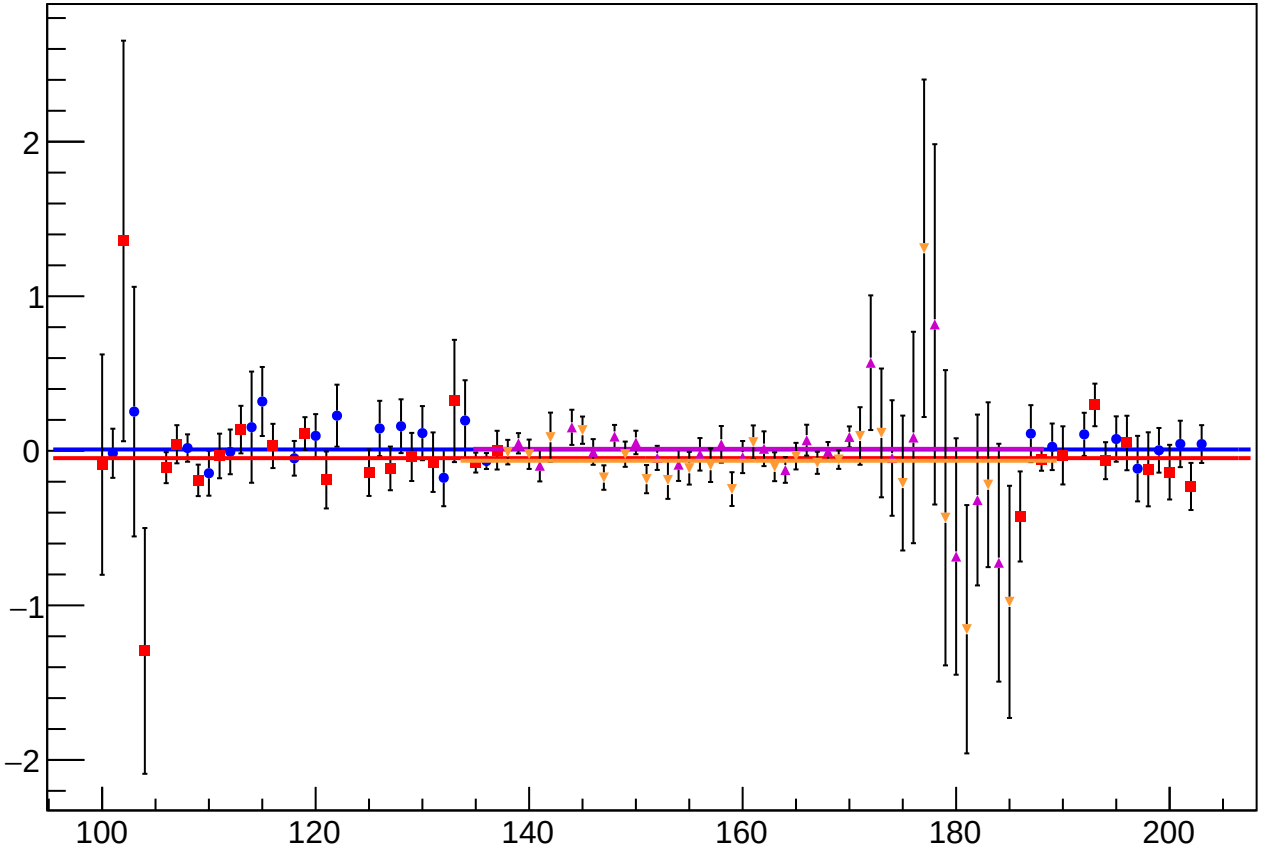
Right: 0.006+/-0.000 χ^2/NDF: 20617977.0/50

In: 0.004+/-0.000 χ^2/NDF:18963578.6/46

Out: 0.005+/-0.000 χ^2/NDF:18624648.2/50

All: 0.005+/-0.000 χ^2/NDF: 37827287.8/97

asym_us_dd_at2lr_dd_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.009+/-0.028 χ^2/NDF: 12.0/23

Left Out: -0.064+/-0.022 χ^2/NDF:22.3/23

Right Out: -0.047+/-0.026 χ^2/NDF: 23.1/26

Left In: 0.013+/-0.021 χ^2/NDF:15.0/22

Left: -0.024+/-0.015 χ^2/NDF: 43.7/46

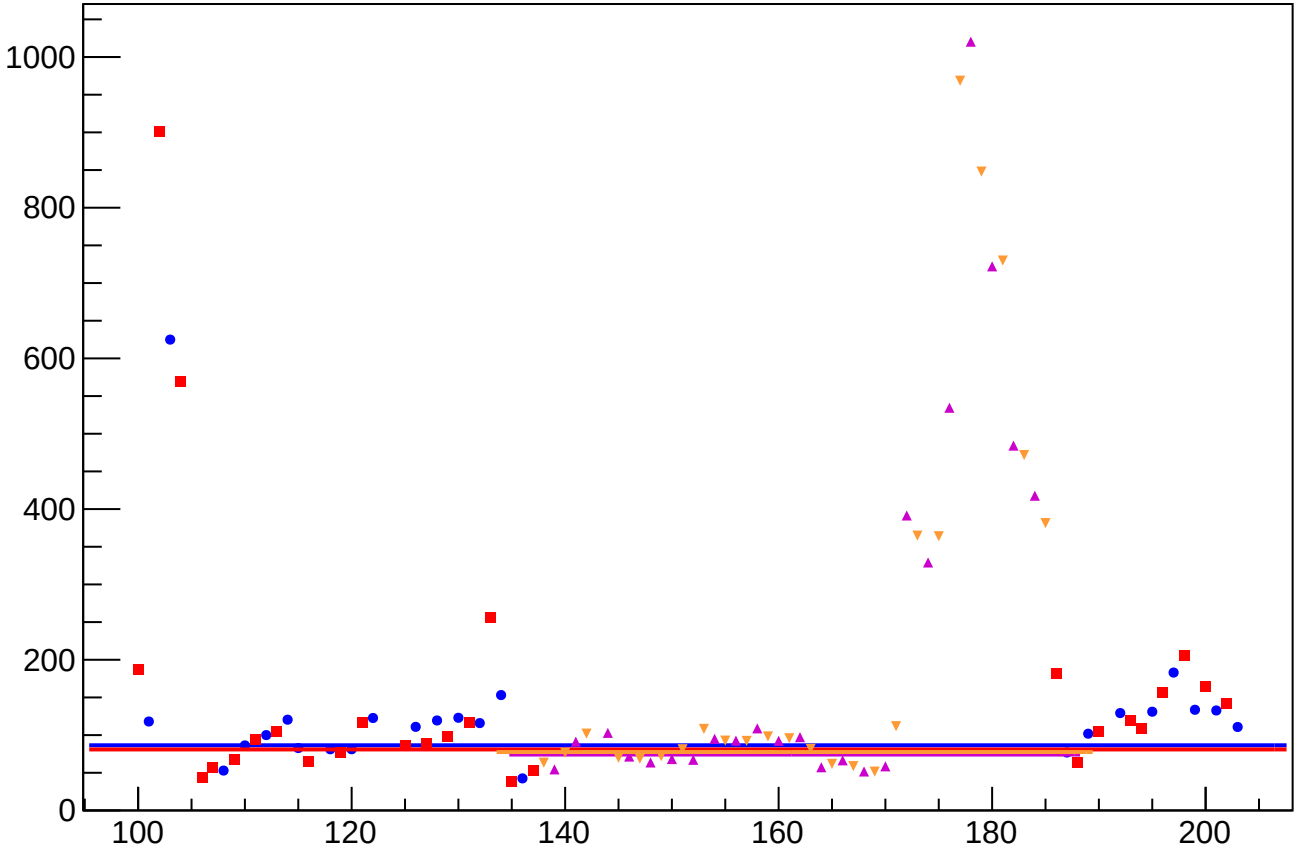
Right: -0.021+/-0.019 χ^2/NDF: 37.3/50

In: 0.011+/-0.017 χ^2/NDF:27.0/46

Out: -0.057+/-0.017 χ^2/NDF:45.7/50

All: -0.023+/-0.012 χ^2/NDF: 81.0/97

asym_us_dd_at2lr_dd_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 86.498+/-0.019 χ^2/NDF: 4483965.9/23

Left Out: 77.533+/-0.016 χ^2/NDF:8331106.7/23

Right Out: 80.987+/-0.018 χ^2/NDF: 5954415.1/26

Left In: 74.217+/-0.015 χ^2/NDF:8513791.3/22

Left: 75.800+/-0.011 χ^2/NDF: 16868415.3/46

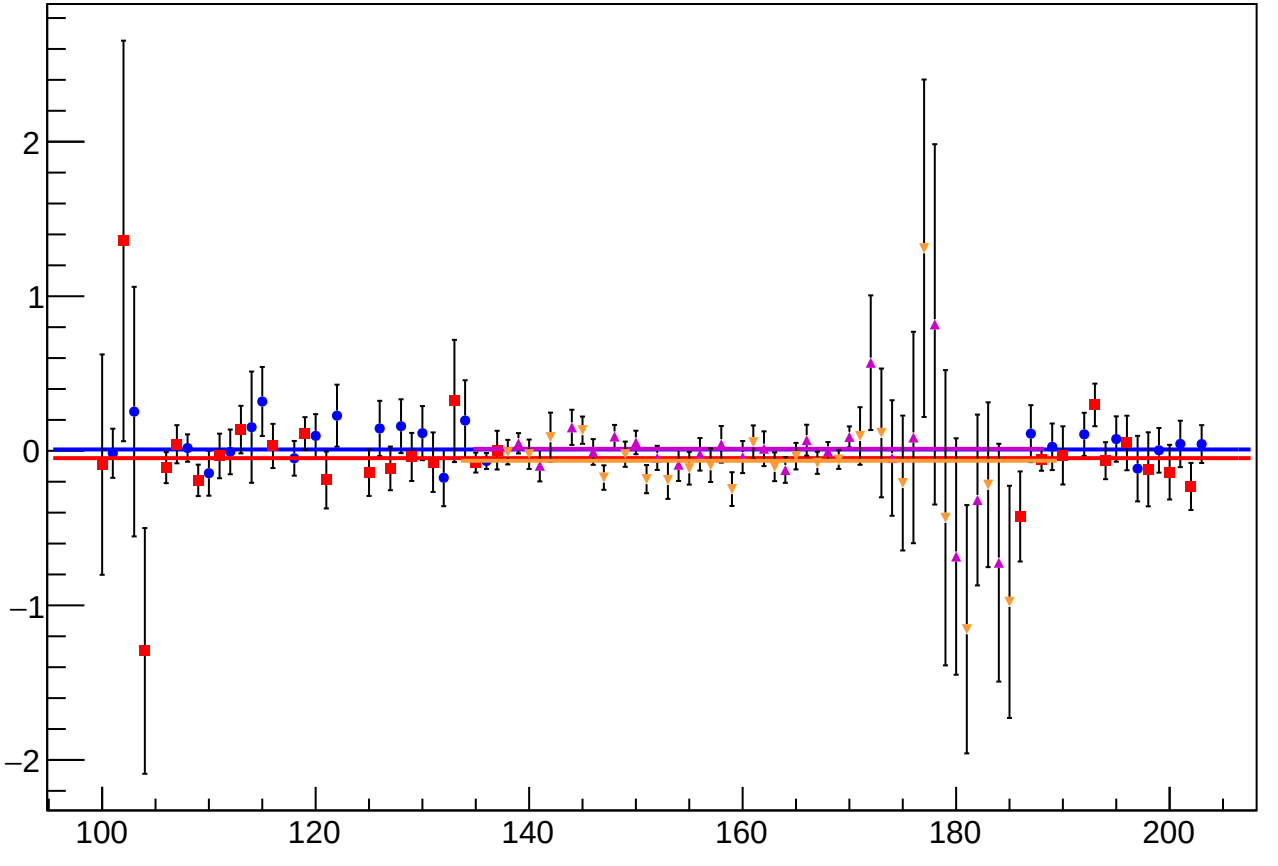
Right: 83.578+/-0.013 χ^2/NDF: 10480714.0/50

In: 78.759+/-0.012 χ^2/NDF:13247756.6/46

Out: 78.983+/-0.012 χ^2/NDF:14306028.9/50

All: 78.871+/-0.008 χ^2/NDF: 27553963.1/97

asym_us_dd_at2lr_dd_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.009+/-0.028 χ^2/NDF: 12.0/23

Left Out: -0.064+/-0.022 χ^2/NDF:22.3/23

Right Out: -0.047+/-0.026 χ^2/NDF: 23.1/26

Left In: 0.013+/-0.021 χ^2/NDF:15.0/22

Left: -0.024+/-0.015 χ^2/NDF: 43.7/46

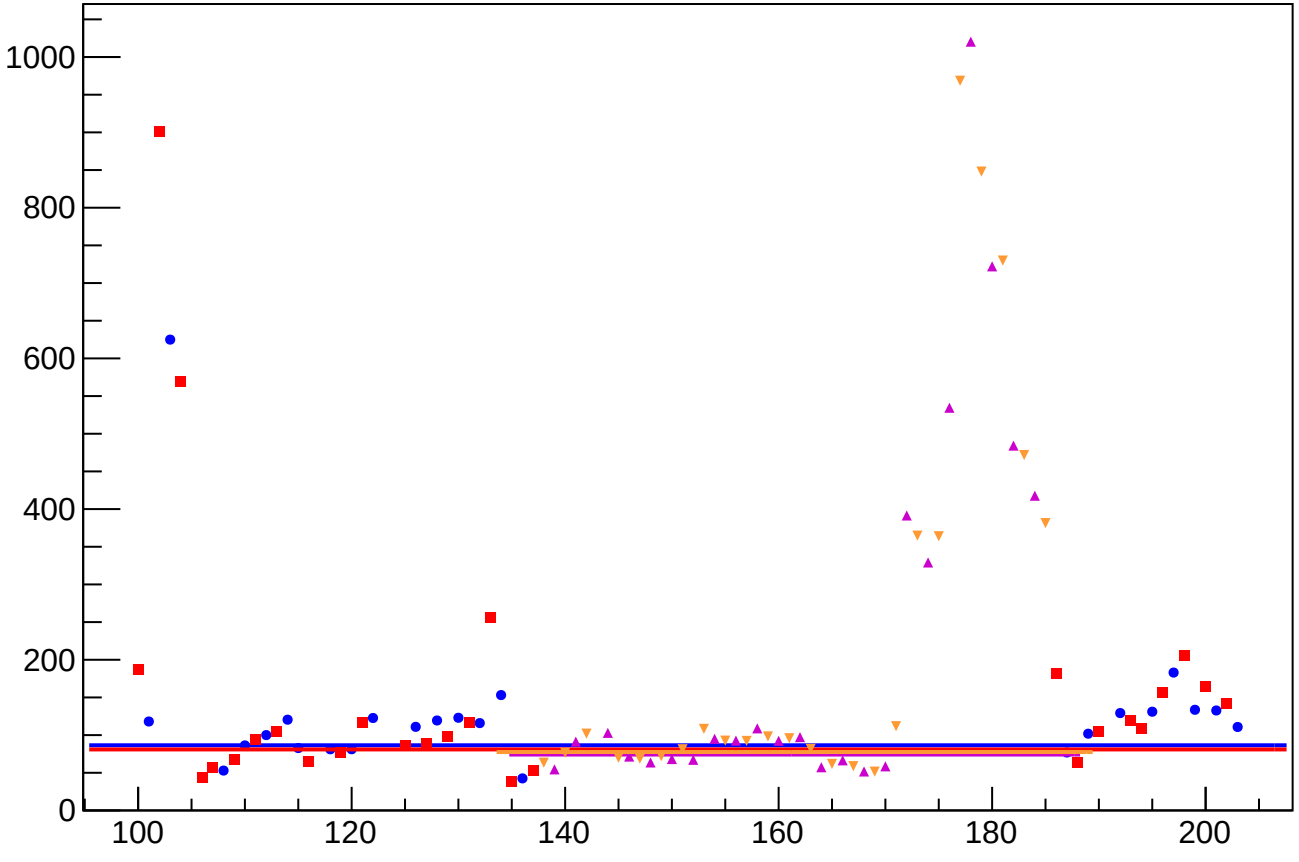
Right: -0.021+/-0.019 χ^2/NDF: 37.3/50

In: 0.011+/-0.017 χ^2/NDF:27.0/46

Out: -0.057+/-0.017 χ^2/NDF:45.7/50

All: -0.023+/-0.012 χ^2/NDF: 81.0/97

asym_us_dd_at2lr_dd_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 86.498+/-0.019 χ^2/NDF: 4483965.9/23

Left Out: 77.533+/-0.016 χ^2/NDF:8331106.7/23

Right Out: 80.987+/-0.018 χ^2/NDF: 5954415.1/26

Left In: 74.217+/-0.015 χ^2/NDF:8513791.3/22

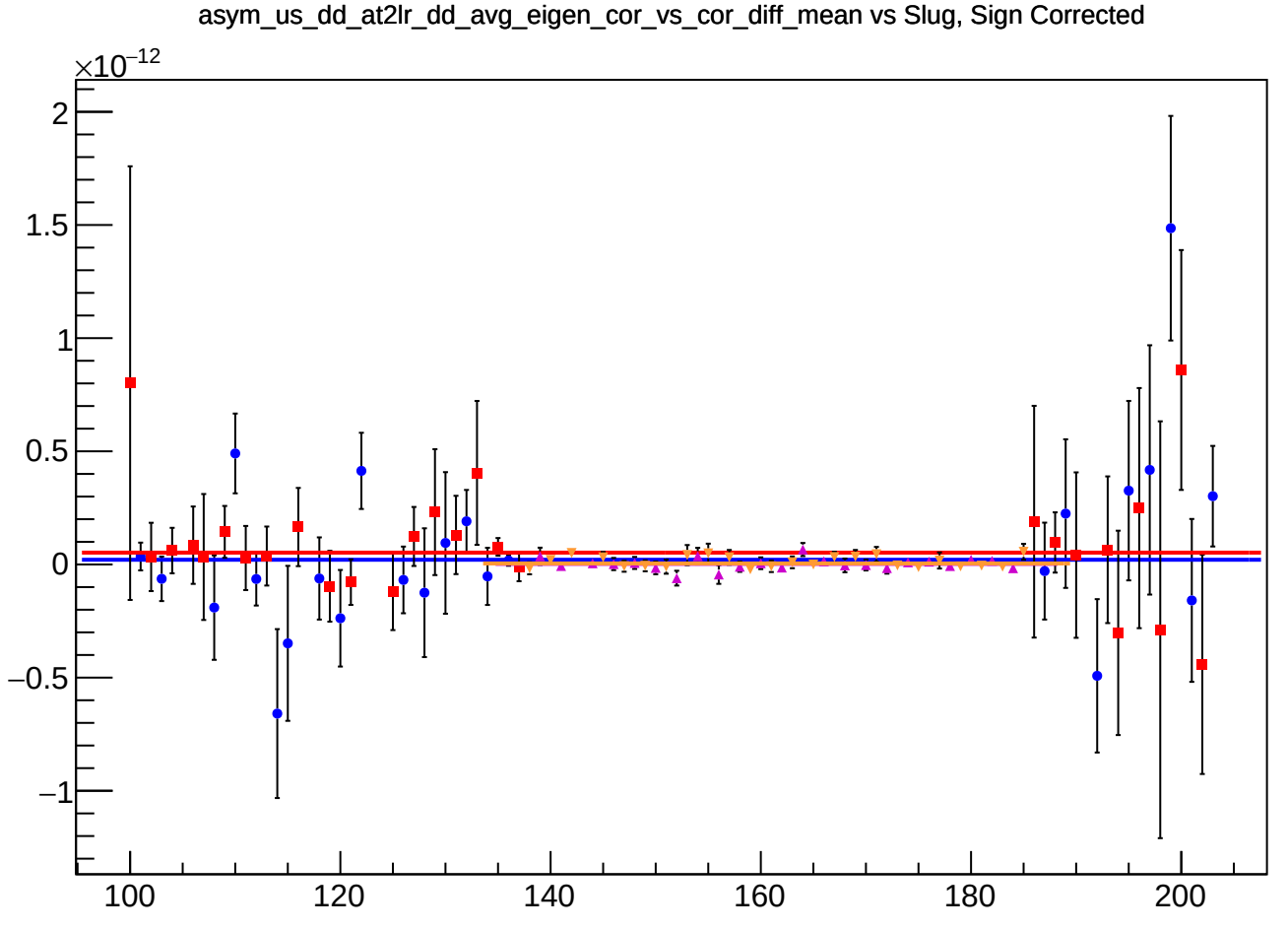
Left: 75.800+/-0.011 χ^2/NDF: 16868415.3/46

Right: 83.578+/-0.013 χ^2/NDF: 10480714.0/50

In: 78.759+/-0.012 χ^2/NDF:13247756.6/46

Out: 78.983+/-0.012 χ^2/NDF:14306028.9/50

All: 78.871+/-0.008 χ^2/NDF: 27553963.1/97



Right In: 0.000+/-0.000 χ^2/NDF: 37.8/23

Left Out: 0.000+/-0.000 χ^2/NDF:21.7/23

Right Out: 0.000+/-0.000 χ^2/NDF: 13.5/26

Left In: 0.000+/-0.000 χ^2/NDF:17.5/22

Left: 0.000+/-0.000 χ^2/NDF: 39.3/46

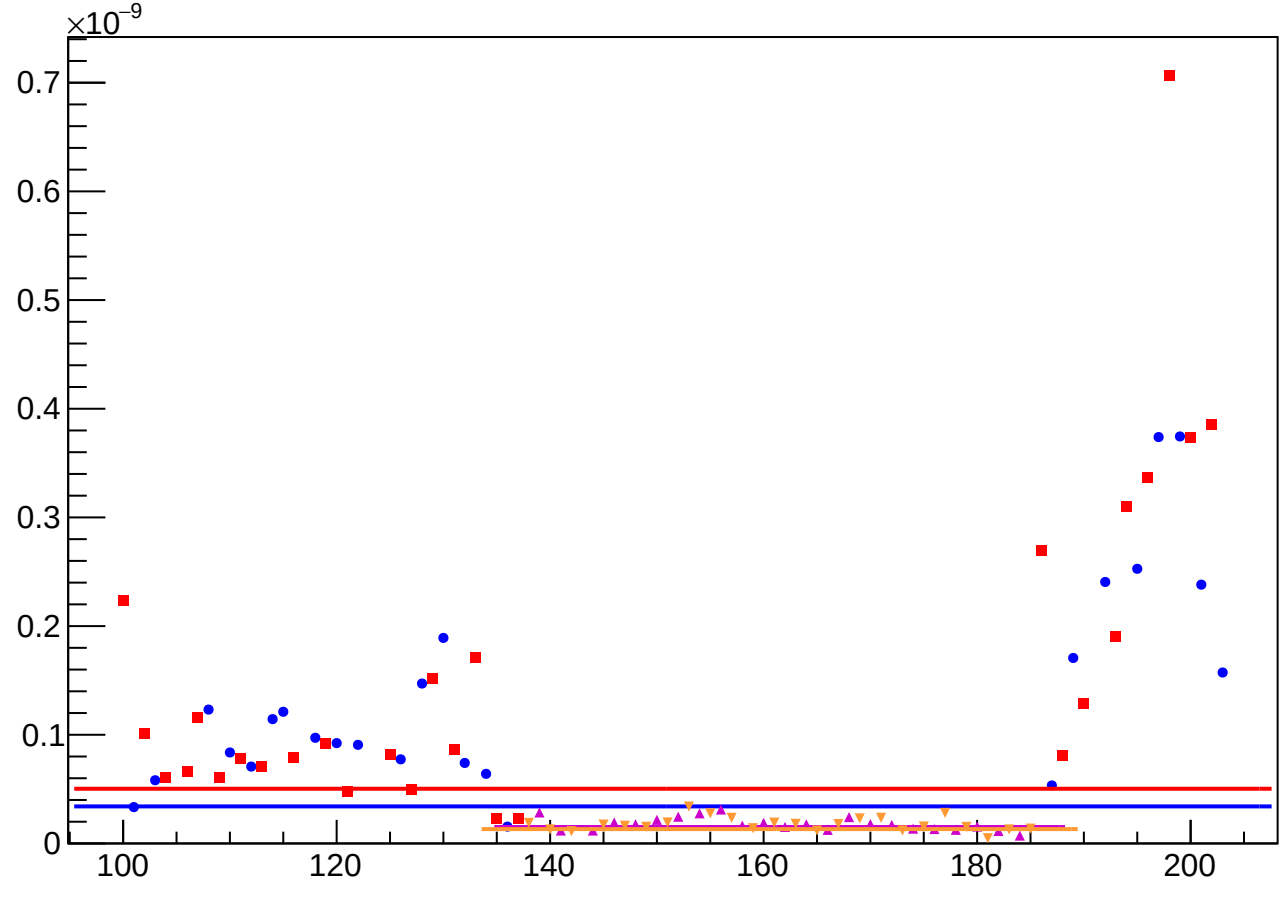
Right: 0.000+/-0.000 χ^2/NDF: 52.4/50

In: 0.000+/-0.000 χ^2/NDF:56.2/46

Out: 0.000+/-0.000 χ^2/NDF:39.0/50

All: 0.000+/-0.000 χ^2/NDF: 95.4/97

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: 8852170.9/23

Left Out: 0.000+/-0.000 χ^2/NDF:4237321.5/23

Right Out: 0.000+/-0.000 χ^2/NDF: 7799249.4/26

Left In: 0.000+/-0.000 χ^2/NDF:2148796.4/22

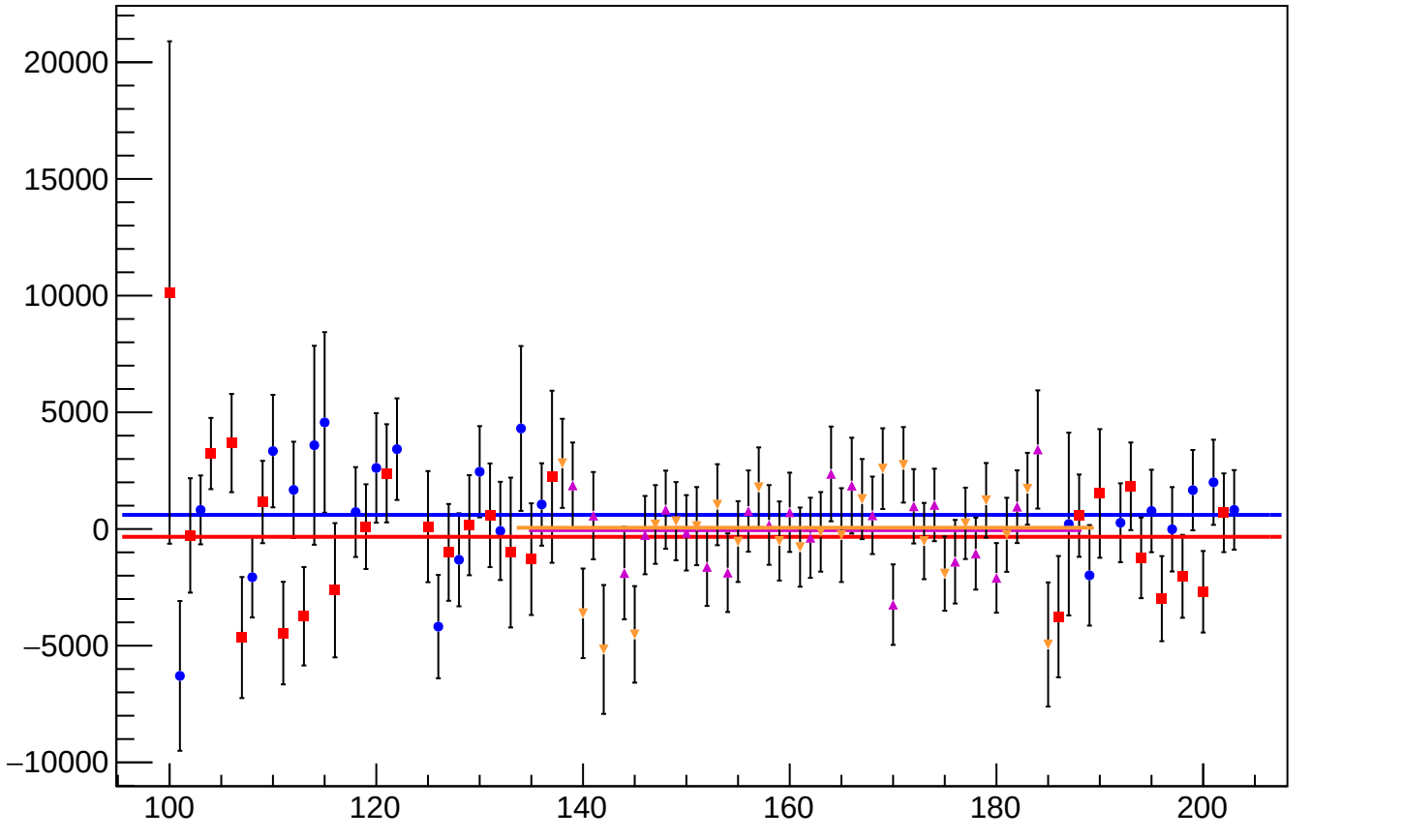
Left: 0.000+/-0.000 χ^2/NDF: 6568948.9/46

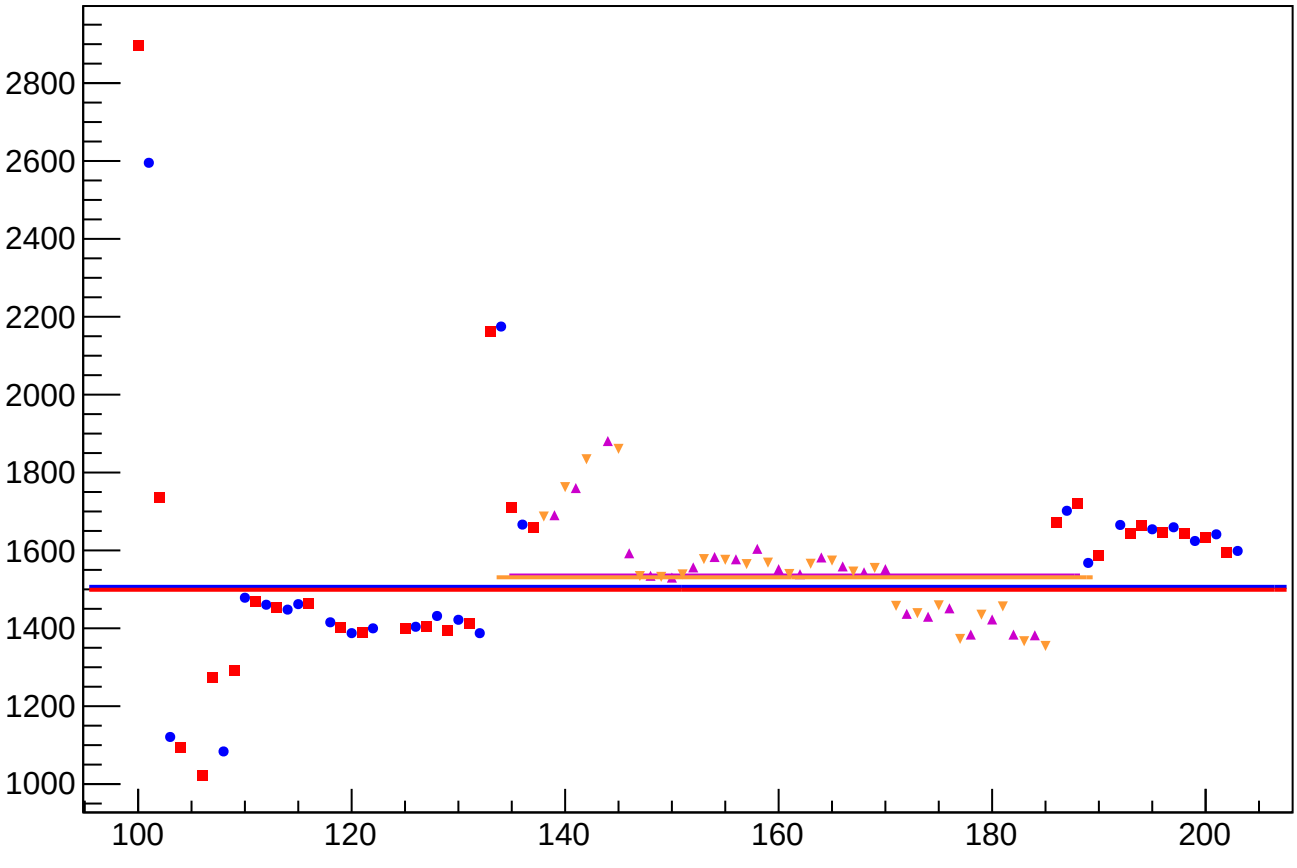
Right: 0.000+/-0.000 χ^2/NDF: 17211219.3/50

In: 0.000+/-0.000 χ^2/NDF:12870116.8/46

Out: 0.000+/-0.000 χ^2/NDF:16634621.2/50

All: 0.000+/-0.000 χ^2/NDF: 29676993.4/97


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: 604.673+/-420.008 χ²/NDF: 22.9/23
Left Out: 54.770+/-356.375 χ²/NDF:28.5/23
Right Out: -334.782+/-405.747 χ²/NDF: 32.4/26
Left In: -48.177+/-359.531 χ²/NDF:16.8/22
Left: 3.751+/-253.103 χ²/NDF: 45.3/46
Right: 118.725+/-291.818 χ²/NDF: 57.9/50
In: 227.902+/-273.129 χ²/NDF:41.1/46
Out: -114.875+/-267.759 χ²/NDF:61.3/50
All: 53.111+/-191.204 χ²/NDF: 103.2/97



Right In: 1506.470+/-0.297 χ^2/NDF: 687357.9/23

Left Out: 1530.976+/-0.252 χ^2/NDF:203539.8/23

Right Out: 1498.962+/-0.287 χ^2/NDF: 589117.7/26

Left In: 1535.551+/-0.254 χ^2/NDF:192432.7/22

Left: 1533.243+/-0.179 χ^2/NDF: 396135.8/46

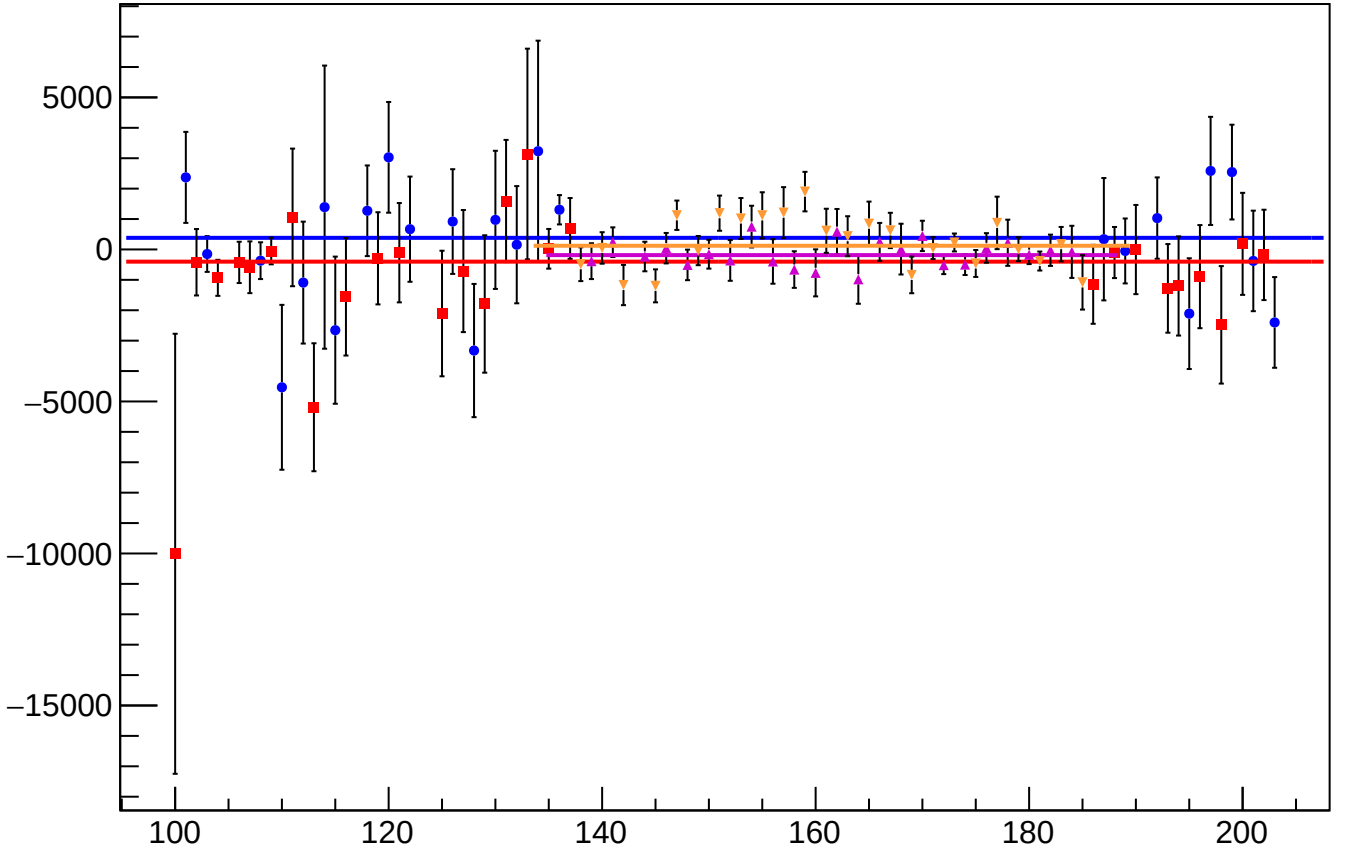
Right: 1502.586+/-0.206 χ^2/NDF: 1276806.1/50

In: 1523.253+/-0.193 χ^2/NDF:885324.1/46

Out: 1517.034+/-0.189 χ^2/NDF:799686.2/50

All: 1520.082+/-0.135 χ^2/NDF: 1685539.1/97

asym_us_dd_at2lr_dd_dd_reg_correction_mean vs Slug, Sign Corrected



Right In: 381.652+/-244.974 χ^2/NDF: 28.8/23

Left Out: 121.327+/-105.060 χ^2/NDF:43.6/23

Right Out: -401.473+/-208.306 χ^2/NDF: 16.5/26

Left In: -186.828+/-106.975 χ^2/NDF:11.6/22

Left: -29.966+/-74.957 χ^2/NDF: 59.5/46

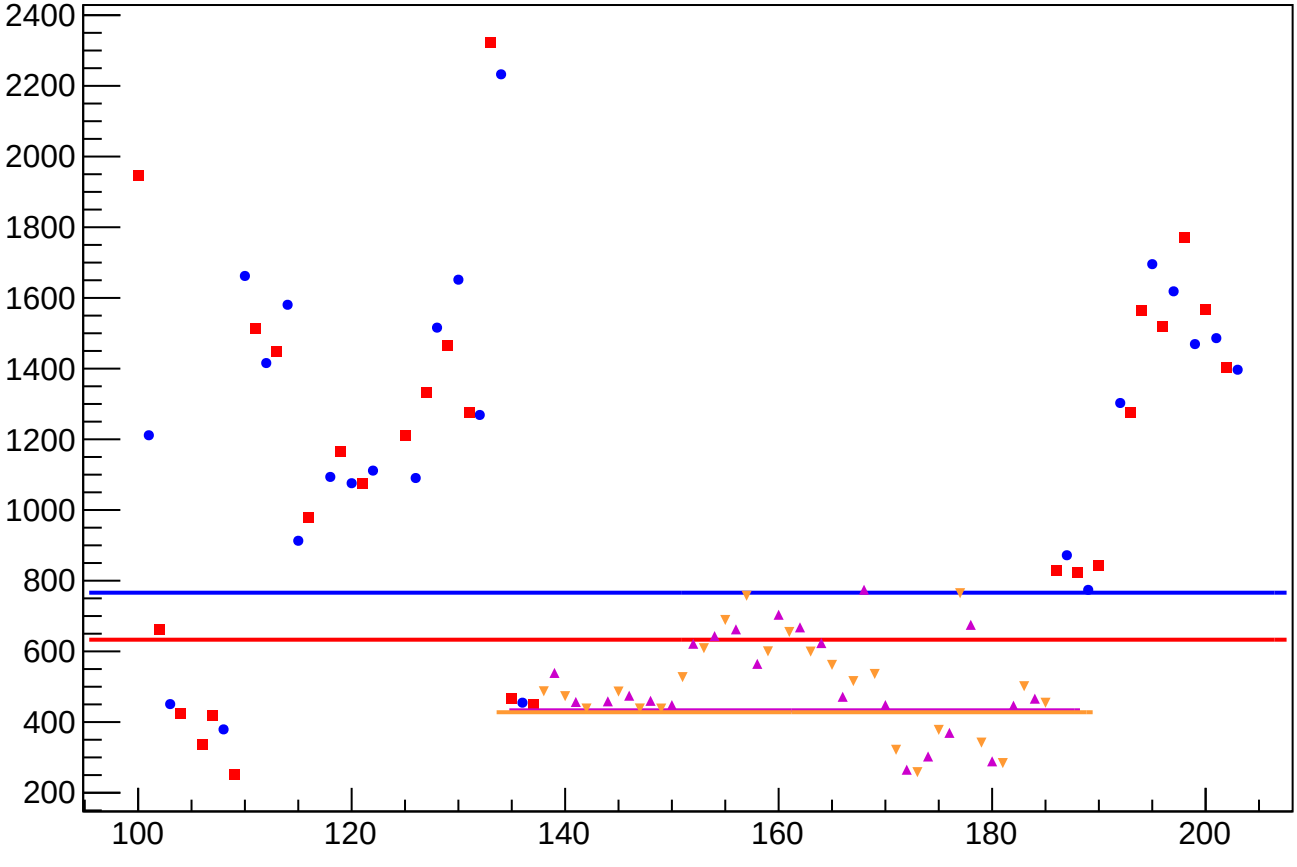
Right: -72.850+/-158.691 χ^2/NDF: 51.2/50

In: -95.785+/-98.036 χ^2/NDF:44.9/46

Out: 15.309+/-93.804 χ^2/NDF:65.1/50

All: -37.789+/-67.776 χ^2/NDF: 110.8/97

asym_us_dd_at2lr_dd_dd_reg_correction_rms vs Slug, Sign Corrected



Right In: 766.049+/-0.173 χ^2/NDF: 6655886.8/23

Left Out: 427.814+/-0.074 χ^2/NDF:3188159.5/23

Right Out: 633.054+/-0.147 χ^2/NDF: 8583441.9/26

Left In: 433.283+/-0.076 χ^2/NDF:3247998.9/22

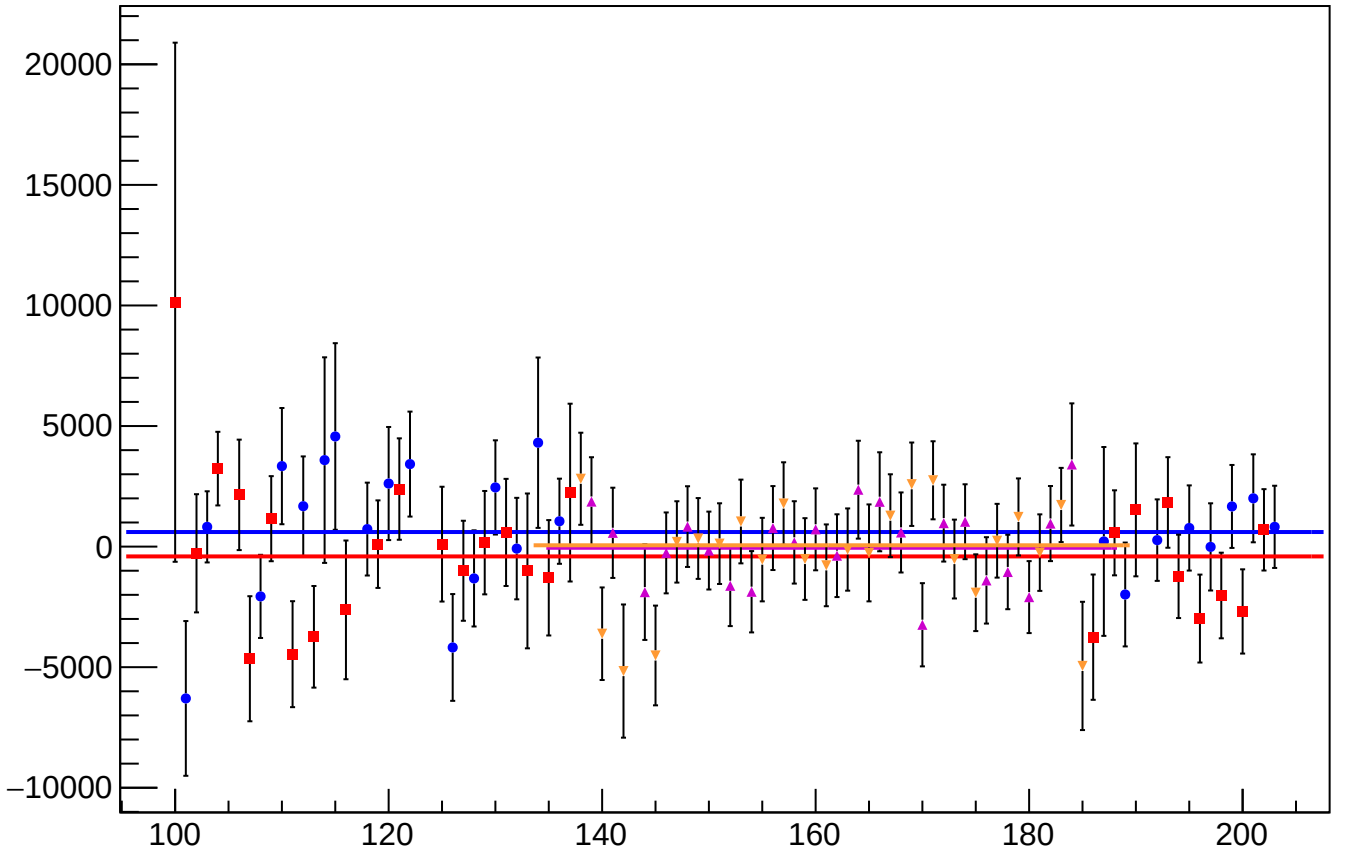
Left: 430.499+/-0.053 χ^2/NDF: 6438819.2/46

Right: 688.863+/-0.112 χ^2/NDF: 15581441.4/50

In: 486.576+/-0.069 χ^2/NDF:13003227.5/46

Out: 469.435+/-0.066 χ^2/NDF:13319428.8/50

All: 477.627+/-0.048 χ^2/NDF: 26354576.6/97



Right In: 604.685+/-420.008 χ^2/NDF: 22.9/23

Left Out: 54.734+/-356.375 χ^2/NDF:28.5/23

Right Out: -406.719+/-406.918 χ^2/NDF: 29.9/26

Left In: -48.256+/-359.531 χ^2/NDF:16.8/22

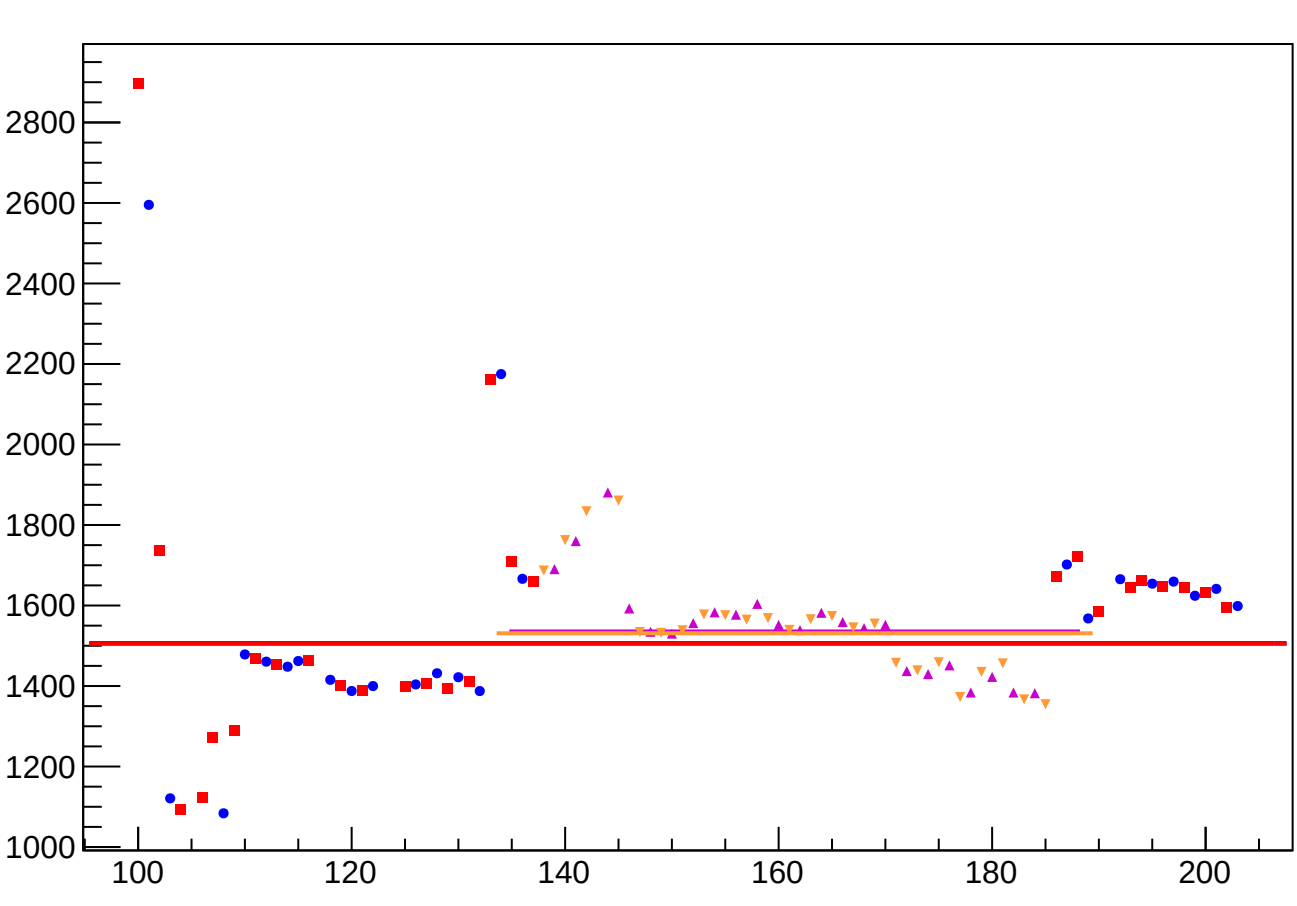
Left: 3.693+/-253.103 χ^2/NDF: 45.3/46

Right: 82.976+/-292.253 χ^2/NDF: 55.8/50

In: 227.862+/-273.129 χ^2/NDF:41.1/46

Out: -145.570+/-268.094 χ^2/NDF:59.1/50

All: 37.672+/-191.326 χ^2/NDF: 101.1/97



Right In: 1506.470+/-0.297 χ^2/NDF: 687358.2/23

Left Out: 1530.976+/-0.252 χ^2/NDF:203539.7/23

Right Out: 1504.845+/-0.288 χ^2/NDF: 540597.2/26

Left In: 1535.551+/-0.254 χ^2/NDF:192432.7/22

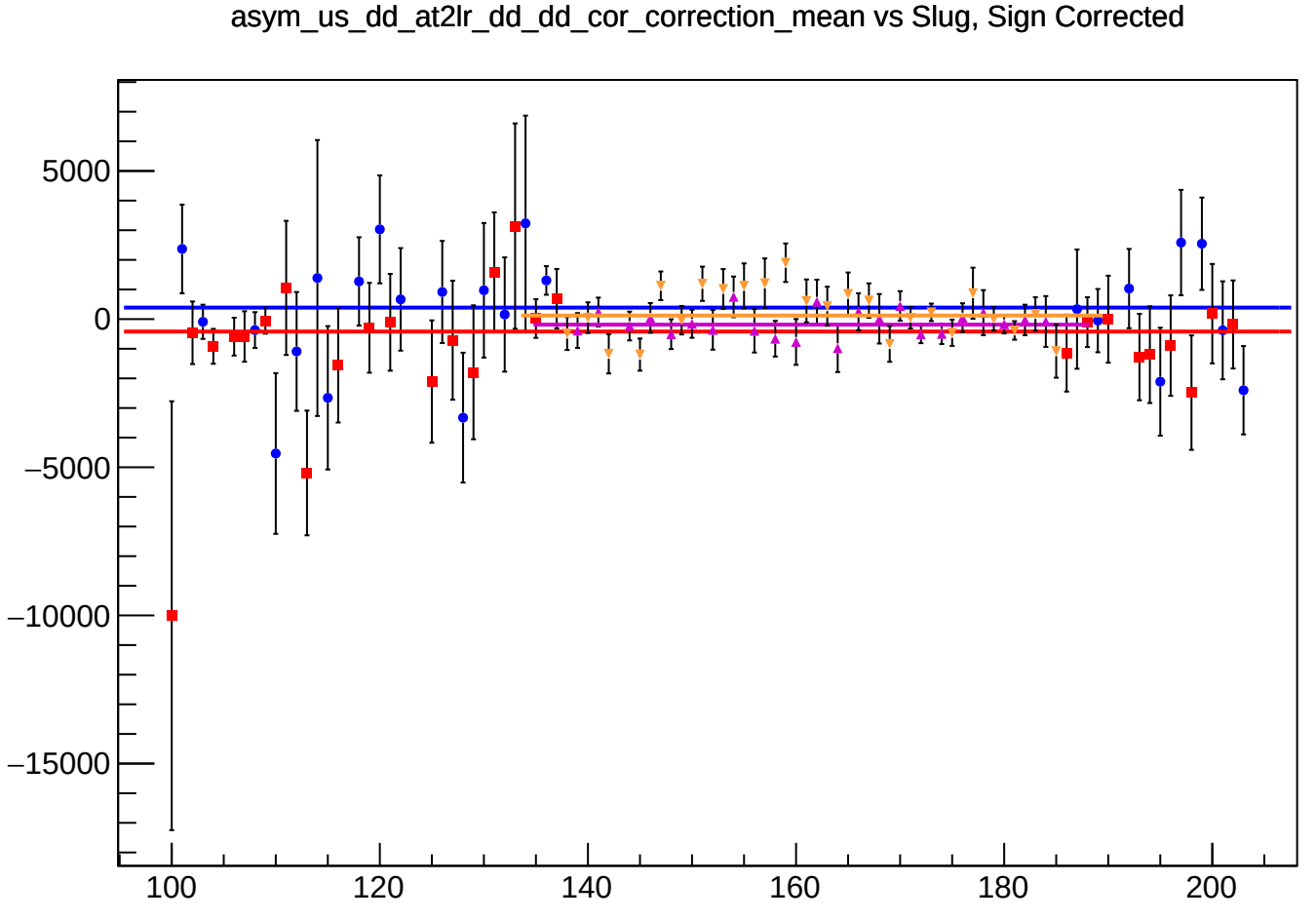
Left: 1533.243+/-0.179 χ^2/NDF: 396135.7/46

Right: 1505.631+/-0.207 χ^2/NDF: 1227970.8/50

In: 1523.253+/-0.193 χ^2/NDF:885324.5/46

Out: 1519.633+/-0.190 χ^2/NDF:748804.5/50

All: 1521.409+/-0.135 χ^2/NDF: 1634307.9/97



Right In: 388.851+/-244.147 χ^2/NDF: 28.7/23

Left Out: 121.325+/-105.060 χ^2/NDF:43.7/23

Right Out: -419.725+/-206.608 χ^2/NDF: 16.5/26

Left In: -187.037+/-106.975 χ^2/NDF:11.6/22

Left: -30.071+/-74.957 χ^2/NDF: 59.5/46

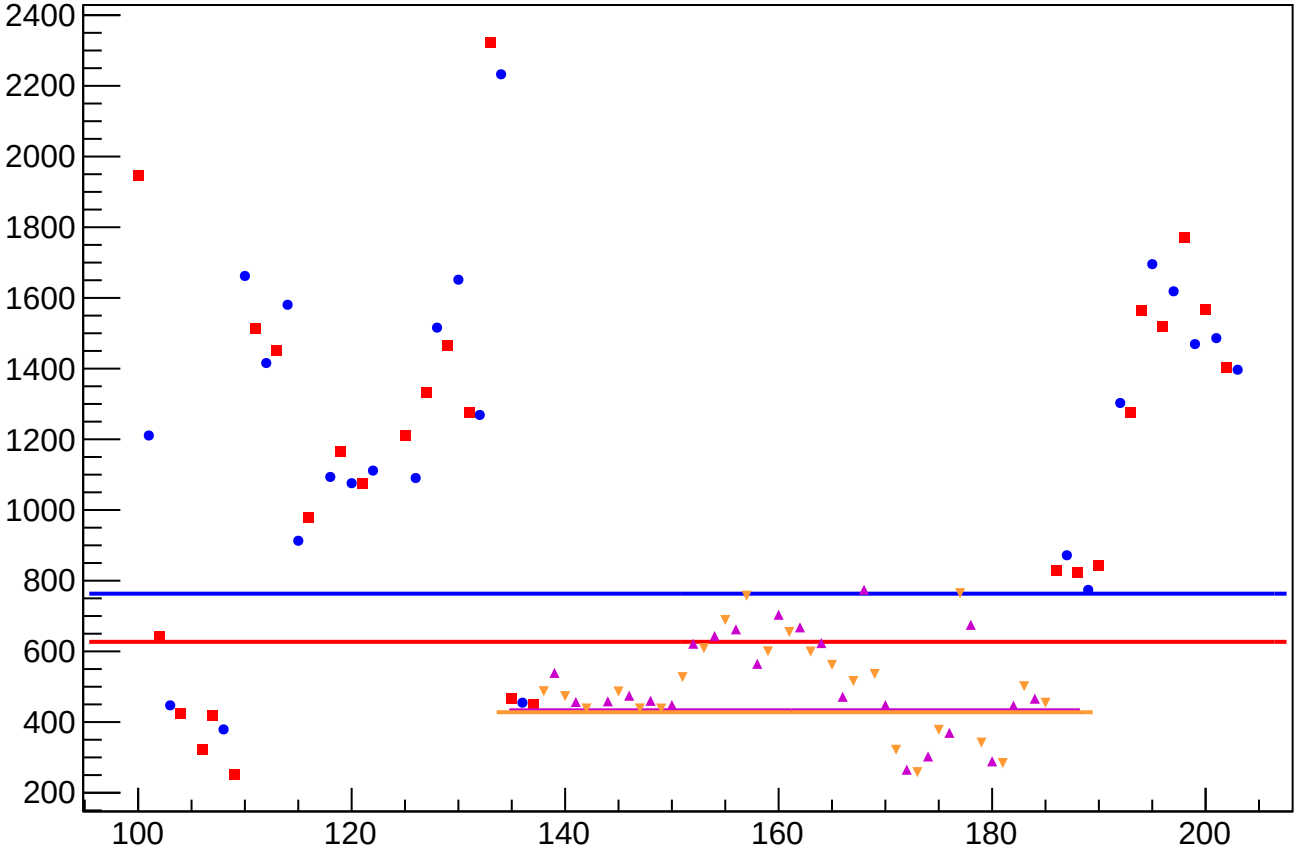
Right: -82.313+/-157.715 χ^2/NDF: 51.6/50

In: -94.283+/-97.983 χ^2/NDF:44.9/46

Out: 10.167+/-93.648 χ^2/NDF:65.6/50

All: -39.697+/-67.700 χ^2/NDF: 111.2/97

asym_us_dd_at2lr_dd_dd_cor_correction_rms vs Slug, Sign Corrected



Right In: 763.286+/-0.173 χ^2/NDF: 6691329.7/23

Left Out: 427.814+/-0.074 χ^2/NDF:3188396.1/23

Right Out: 627.028+/-0.146 χ^2/NDF: 8672573.6/26

Left In: 433.285+/-0.076 χ^2/NDF:3247871.5/22

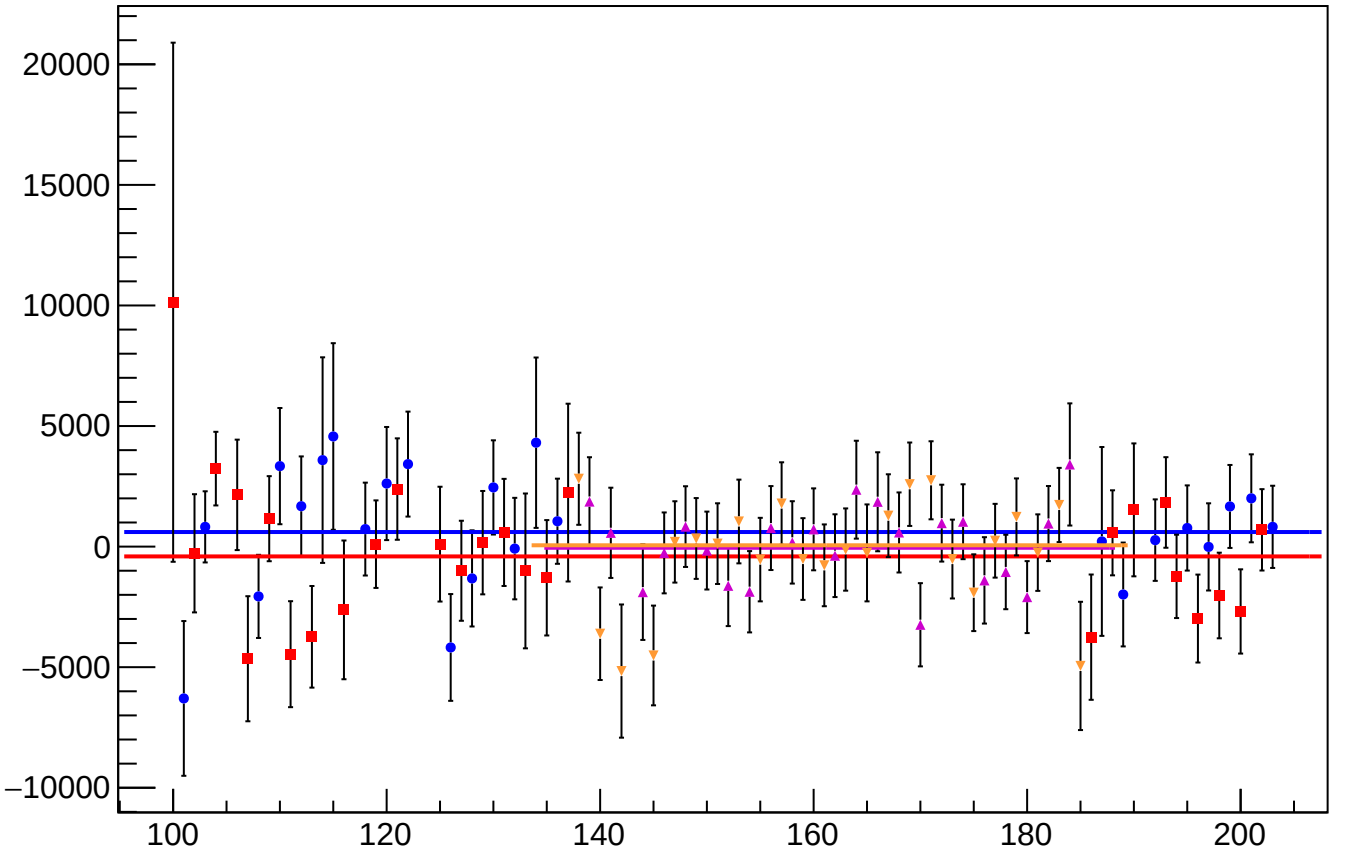
Left: 430.500+/-0.053 χ^2/NDF: 6438930.2/46

Right: 683.888+/-0.112 χ^2/NDF: 15726898.0/50

In: 486.436+/-0.069 χ^2/NDF:13004602.3/46

Out: 468.743+/-0.066 χ^2/NDF:13338375.1/50

All: 477.189+/-0.048 χ^2/NDF: 26377058.9/97



Right In: 604.685+/-420.008 χ^2/NDF: 22.9/23

Left Out: 54.734+/-356.375 χ^2/NDF:28.5/23

Right Out: -406.719+/-406.918 χ^2/NDF: 29.9/26

Left In: -48.256+/-359.531 χ^2/NDF:16.8/22

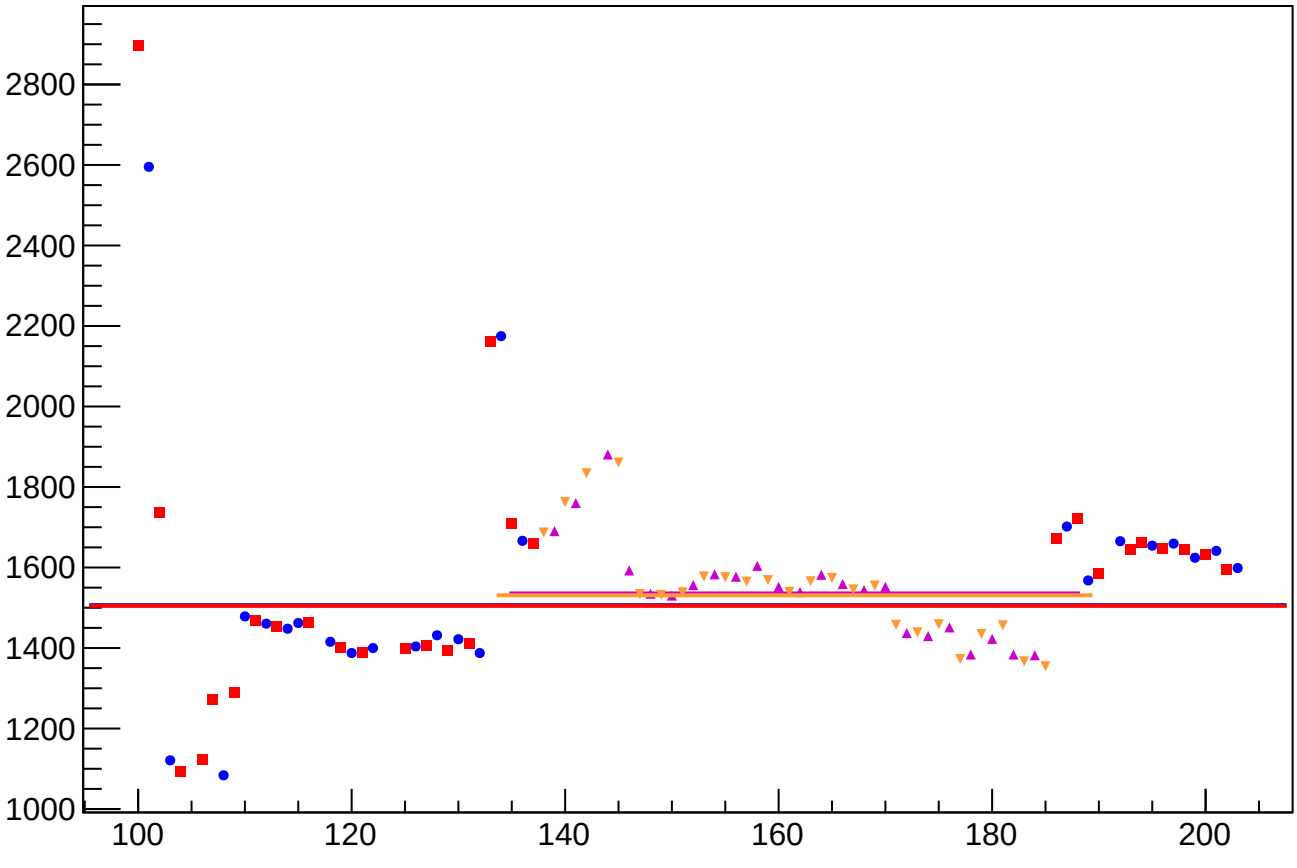
Left: 3.693+/-253.103 χ^2/NDF: 45.3/46

Right: 82.976+/-292.253 χ^2/NDF: 55.8/50

In: 227.862+/-273.129 χ^2/NDF:41.1/46

Out: -145.570+/-268.094 χ^2/NDF:59.1/50

All: 37.672+/-191.326 χ^2/NDF: 101.1/97



Right In: 1506.470+/-0.297 χ^2/NDF: 687358.2/23

Left Out: 1530.976+/-0.252 χ^2/NDF:203539.7/23

Right Out: 1504.845+/-0.288 χ^2/NDF: 540597.2/26

Left In: 1535.551+/-0.254 χ^2/NDF:192432.7/22

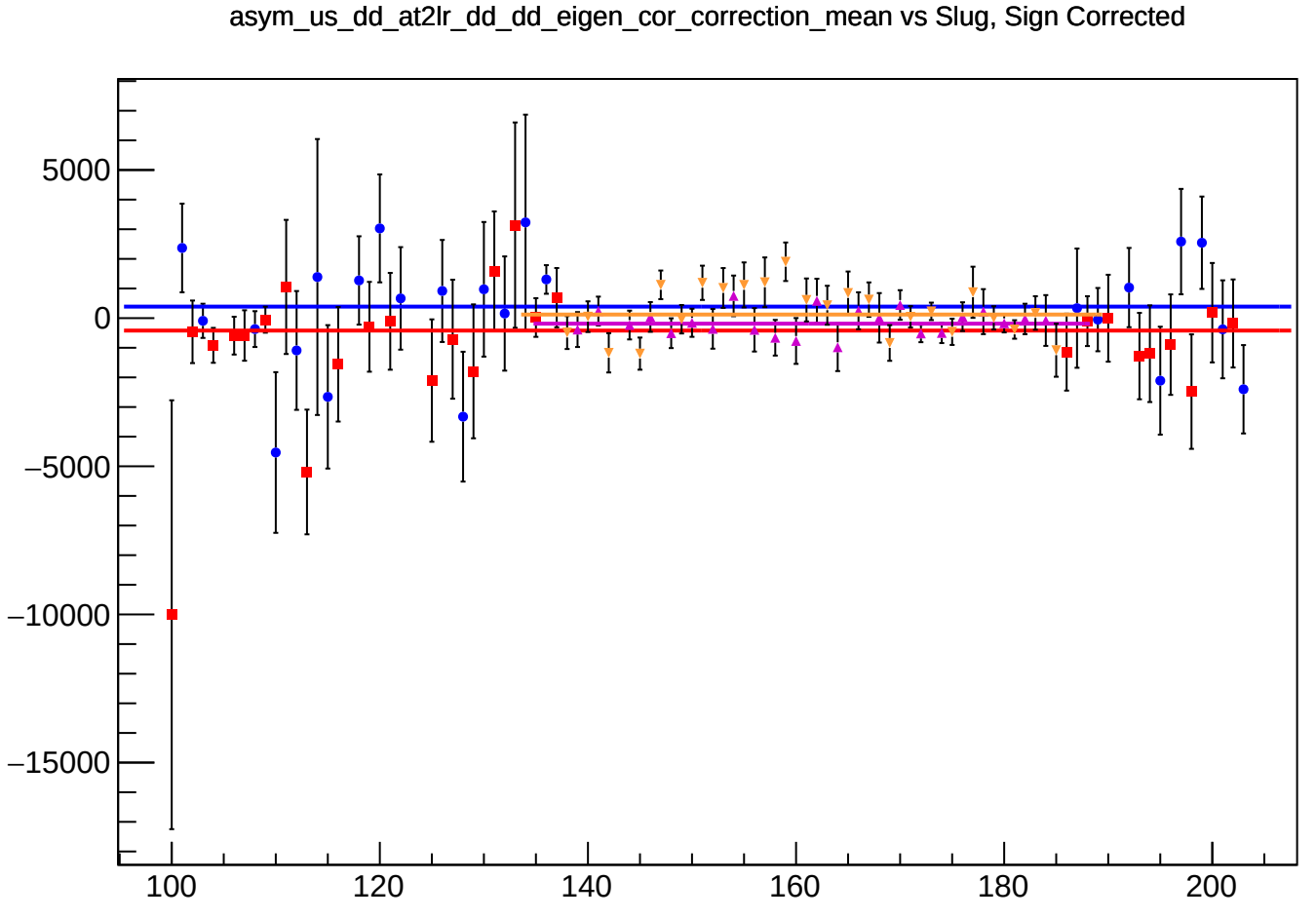
Left: 1533.243+/-0.179 χ^2/NDF: 396135.7/46

Right: 1505.631+/-0.207 χ^2/NDF: 1227970.8/50

In: 1523.253+/-0.193 χ^2/NDF:885324.5/46

Out: 1519.633+/-0.190 χ^2/NDF:748804.5/50

All: 1521.409+/-0.135 χ^2/NDF: 1634307.9/97



Right In: 388.851+/-244.147 χ^2/NDF: 28.7/23

Left Out: 121.325+/-105.060 χ^2/NDF:43.7/23

Right Out: -419.725+/-206.608 χ^2/NDF: 16.5/26

Left In: -187.037+/-106.975 χ^2/NDF:11.6/22

Left: -30.071+/-74.957 χ^2/NDF: 59.5/46

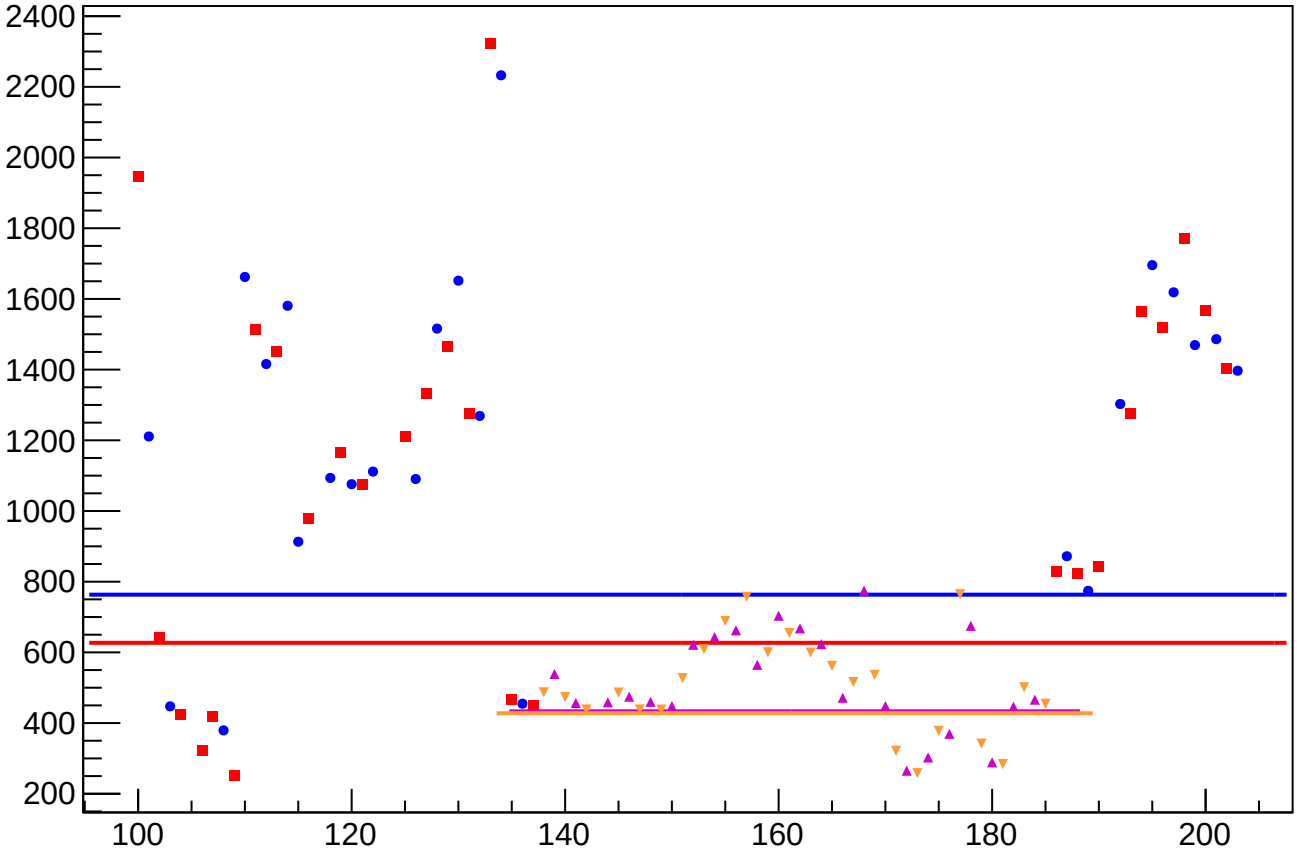
Right: -82.313+/-157.715 χ^2/NDF: 51.6/50

In: -94.283+/-97.983 χ^2/NDF:44.9/46

Out: 10.167+/-93.648 χ^2/NDF:65.6/50

All: -39.697+/-67.700 χ^2/NDF: 111.2/97

asym_us_dd_at2lr_dd_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 763.286+/-0.173 χ^2/NDF: 6691329.7/23

Left Out: 427.814+/-0.074 χ^2/NDF:3188396.1/23

Right Out: 627.028+/-0.146 χ^2/NDF: 8672573.6/26

Left In: 433.285+/-0.076 χ^2/NDF:3247871.5/22

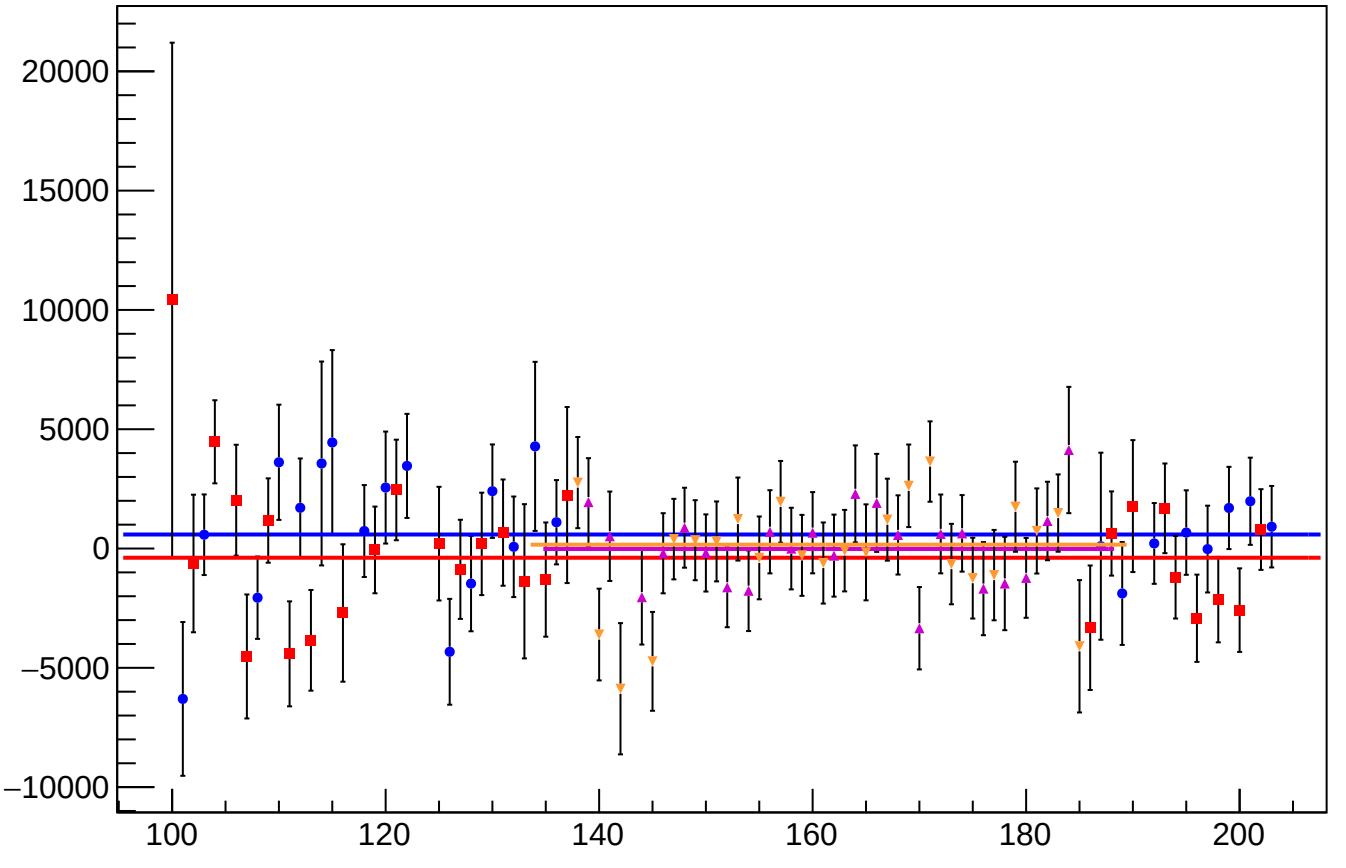
Left: 430.500+/-0.053 χ^2/NDF: 6438930.2/46

Right: 683.888+/-0.112 χ^2/NDF: 15726898.0/50

In: 486.436+/-0.069 χ^2/NDF:13004602.3/46

Out: 468.743+/-0.066 χ^2/NDF:13338375.1/50

All: 477.189+/-0.048 χ^2/NDF: 26377058.9/97



Right In: 587.915+/-424.881 χ^2/NDF: 23.3/23

Left Out: 161.591+/-368.366 χ^2/NDF:29.9/23

Right Out: -385.994+/-412.920 χ^2/NDF: 31.5/26

Left In: -20.252+/-369.781 χ^2/NDF:16.0/22

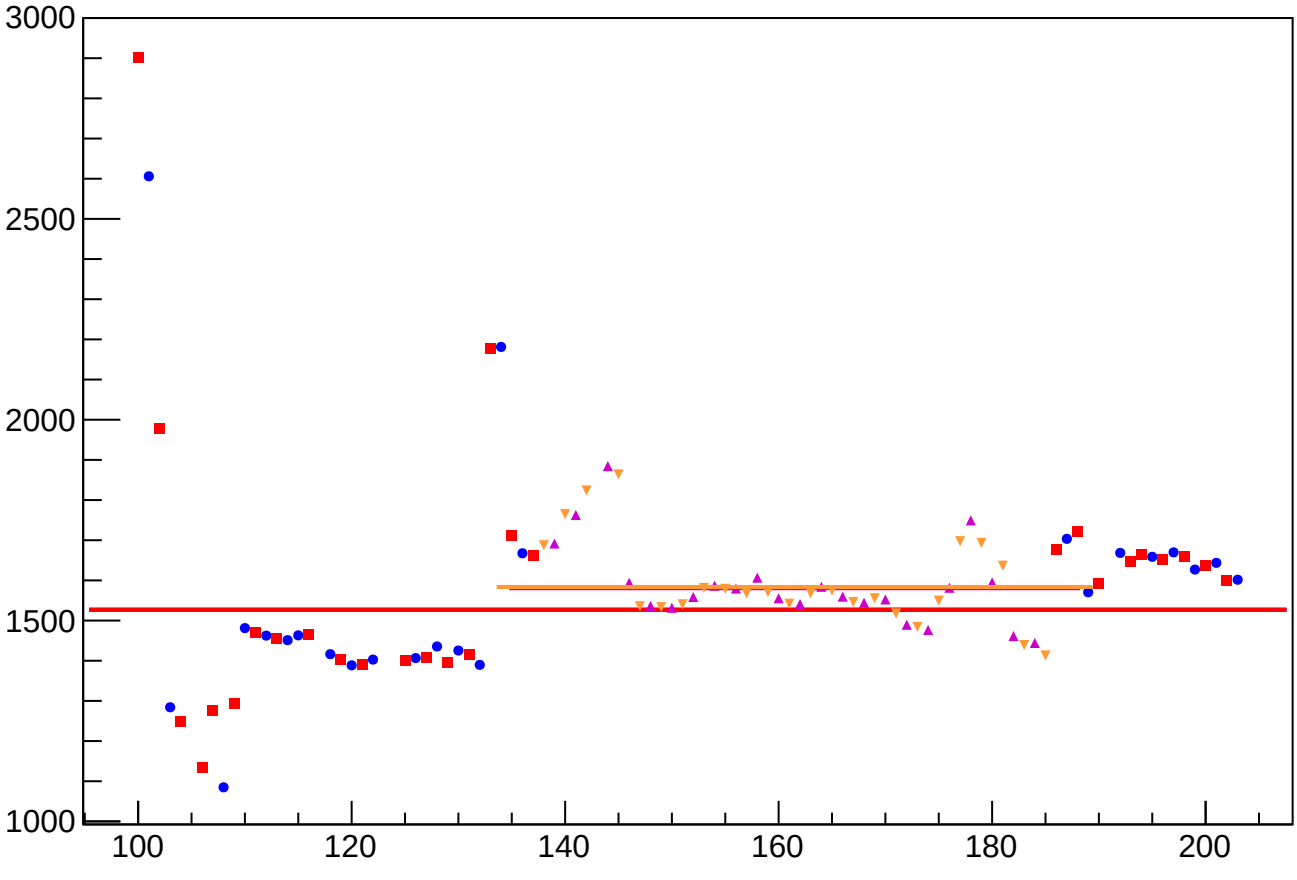
Left: 71.018+/-260.973 χ^2/NDF: 46.0/46

Right: 87.059+/-296.117 χ^2/NDF: 57.5/50

In: 241.864+/-278.935 χ^2/NDF:40.5/46

Out: -81.076+/-274.881 χ^2/NDF:62.4/50

All: 78.031+/-195.788 χ^2/NDF: 103.5/97



Right In: 1526.977+/-0.300 χ^2/NDF: 586409.4/23

Left Out: 1583.673+/-0.260 χ^2/NDF:133583.1/23

Right Out: 1527.122+/-0.292 χ^2/NDF: 470976.3/26

Left In: 1580.464+/-0.261 χ^2/NDF:125745.6/22

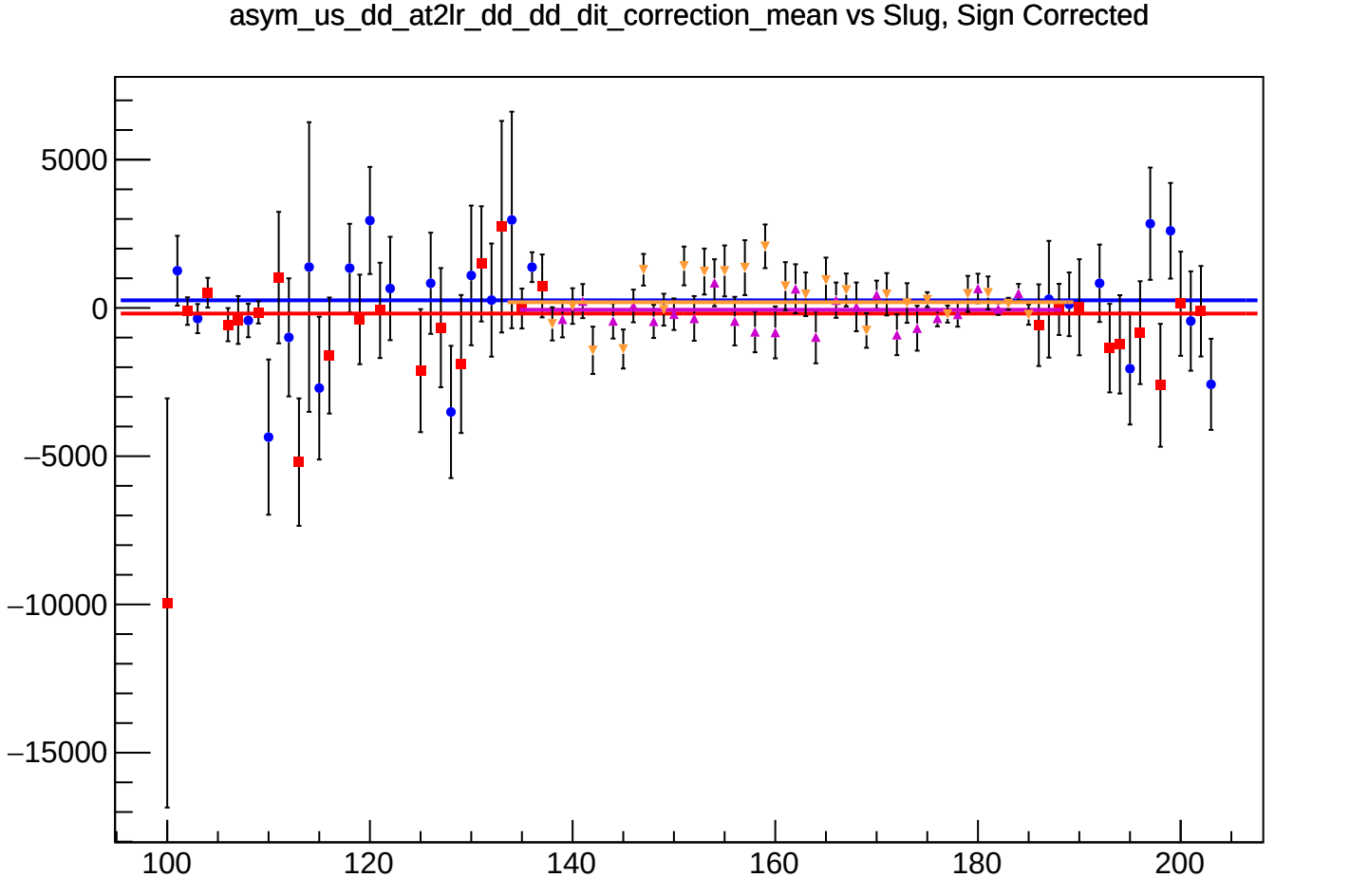
Left: 1582.075+/-0.185 χ^2/NDF: 259404.3/46

Right: 1527.051+/-0.209 χ^2/NDF: 1057385.8/50

In: 1557.412+/-0.197 χ^2/NDF:730190.0/46

Out: 1558.612+/-0.194 χ^2/NDF:625448.4/50

All: 1558.020+/-0.138 χ^2/NDF: 1355657.2/97



Right In: 256.604+/-234.603 χ^2/NDF: 29.5/23

Left Out: 193.307+/-95.894 χ^2/NDF:40.1/23

Right Out: -189.279+/-181.278 χ^2/NDF: 17.2/26

Left In: -62.183+/-99.717 χ^2/NDF:17.0/22

Left: 70.554+/-69.119 χ^2/NDF: 60.5/46

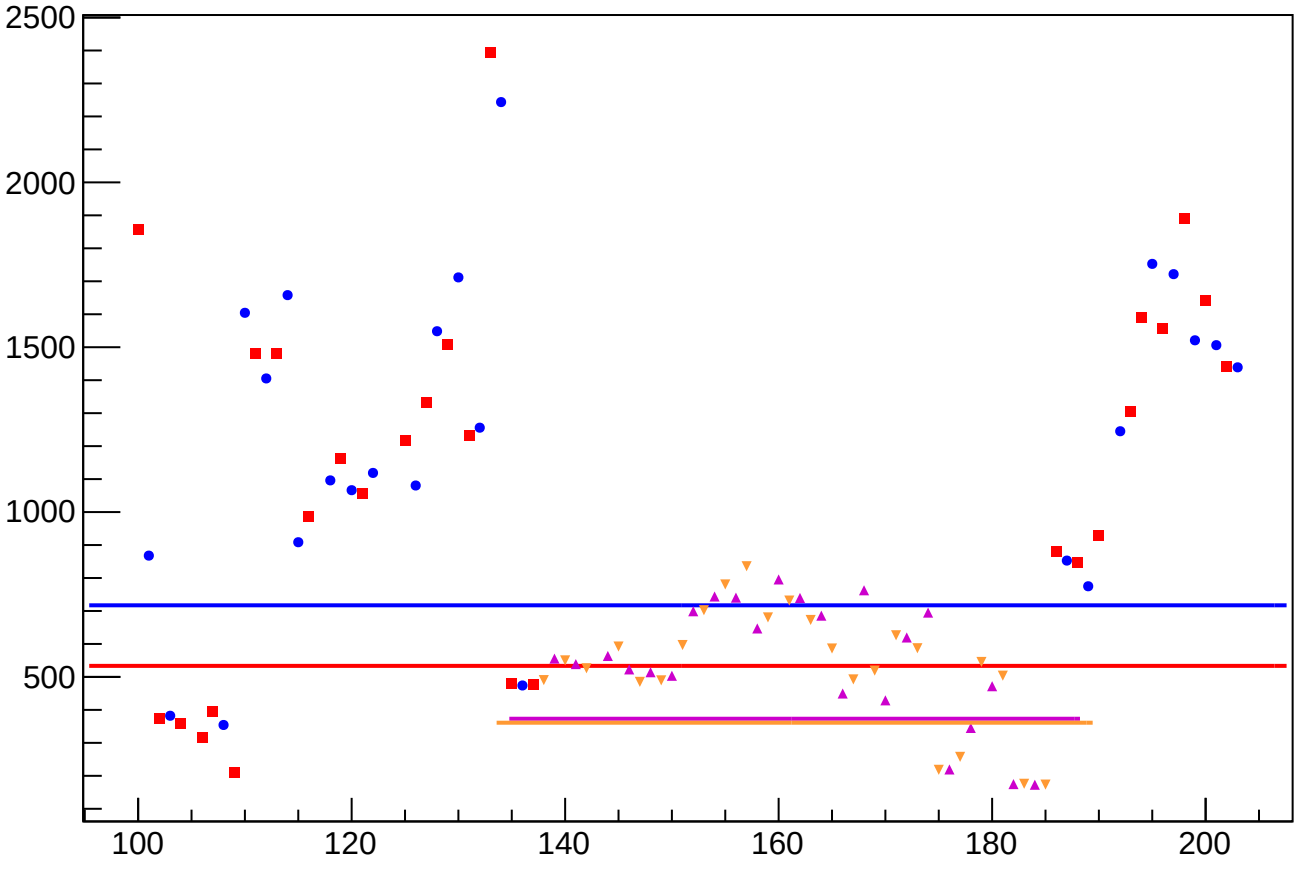
Right: -22.585+/-143.444 χ^2/NDF: 48.9/50

In: -13.402+/-91.771 χ^2/NDF:48.1/46

Out: 109.657+/-84.764 χ^2/NDF:60.7/50

All: 53.004+/-62.267 χ^2/NDF: 109.8/97

asym_us_dd_at2lr_dd_dd_dit_correction_rms vs Slug, Sign Corrected



Right In: 717.195+/-0.166 χ^2/NDF: 7248269.3/23

Left Out: 361.100+/-0.068 χ^2/NDF:8183123.9/23

Right Out: 533.498+/-0.128 χ^2/NDF: 10409314.9/26

Left In: 373.140+/-0.071 χ^2/NDF:8207354.5/22

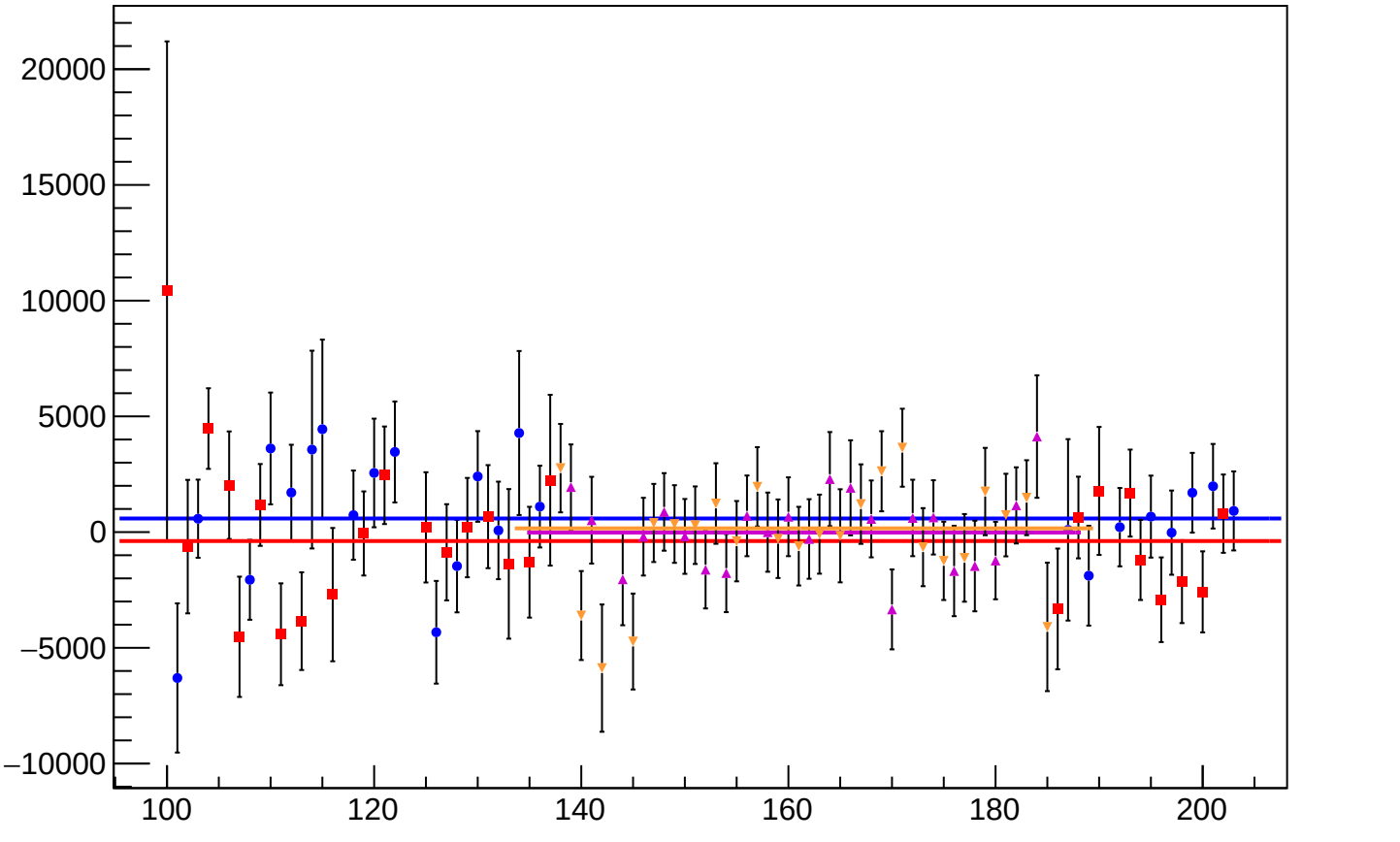
Left: 366.885+/-0.049 χ^2/NDF: 16405627.7/46

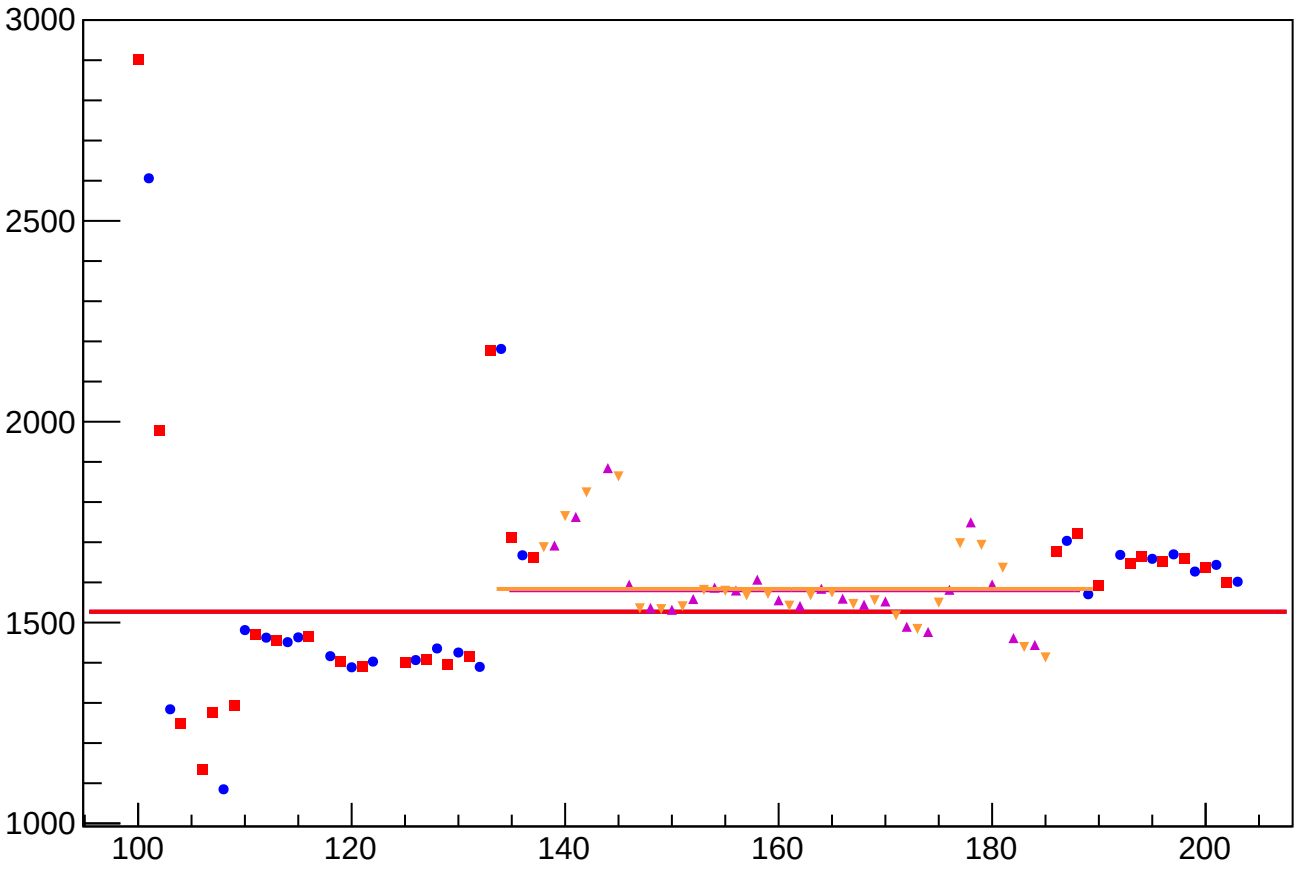
Right: 602.173+/-0.101 χ^2/NDF: 18425381.2/50

In: 425.787+/-0.065 χ^2/NDF:19098906.7/46

Out: 398.794+/-0.060 χ^2/NDF:20005806.1/50

All: 411.221+/-0.044 χ^2/NDF: 39198088.3/97


eigen_dit_asym_us_dd_at2lr_dd_dd_mean vs Slug, Sign Corrected
20000
15000
10000
5000
0
−5000
−10000
100
120
140
160
180
200
Right In: 587.917+/-424.881 χ²/NDF: 23.3/23
Left Out: 161.587+/-368.366 χ²/NDF:29.9/23
Right Out: -385.994+/-412.920 χ²/NDF: 31.5/26
Left In: -20.250+/-369.781 χ²/NDF:16.0/22
Left: 71.017+/-260.973 χ²/NDF: 46.0/46
Right: 87.060+/-296.117 χ²/NDF: 57.5/50
In: 241.866+/-278.935 χ²/NDF:40.5/46
Out: -81.078+/-274.881 χ²/NDF:62.4/50
All: 78.031+/-195.788 χ²/NDF: 103.5/97



Right In: 1526.977+/-0.300 χ^2/NDF: 586408.9/23

Left Out: 1583.673+/-0.260 χ^2/NDF:133583.3/23

Right Out: 1527.122+/-0.292 χ^2/NDF: 470976.4/26

Left In: 1580.464+/-0.261 χ^2/NDF:125745.6/22

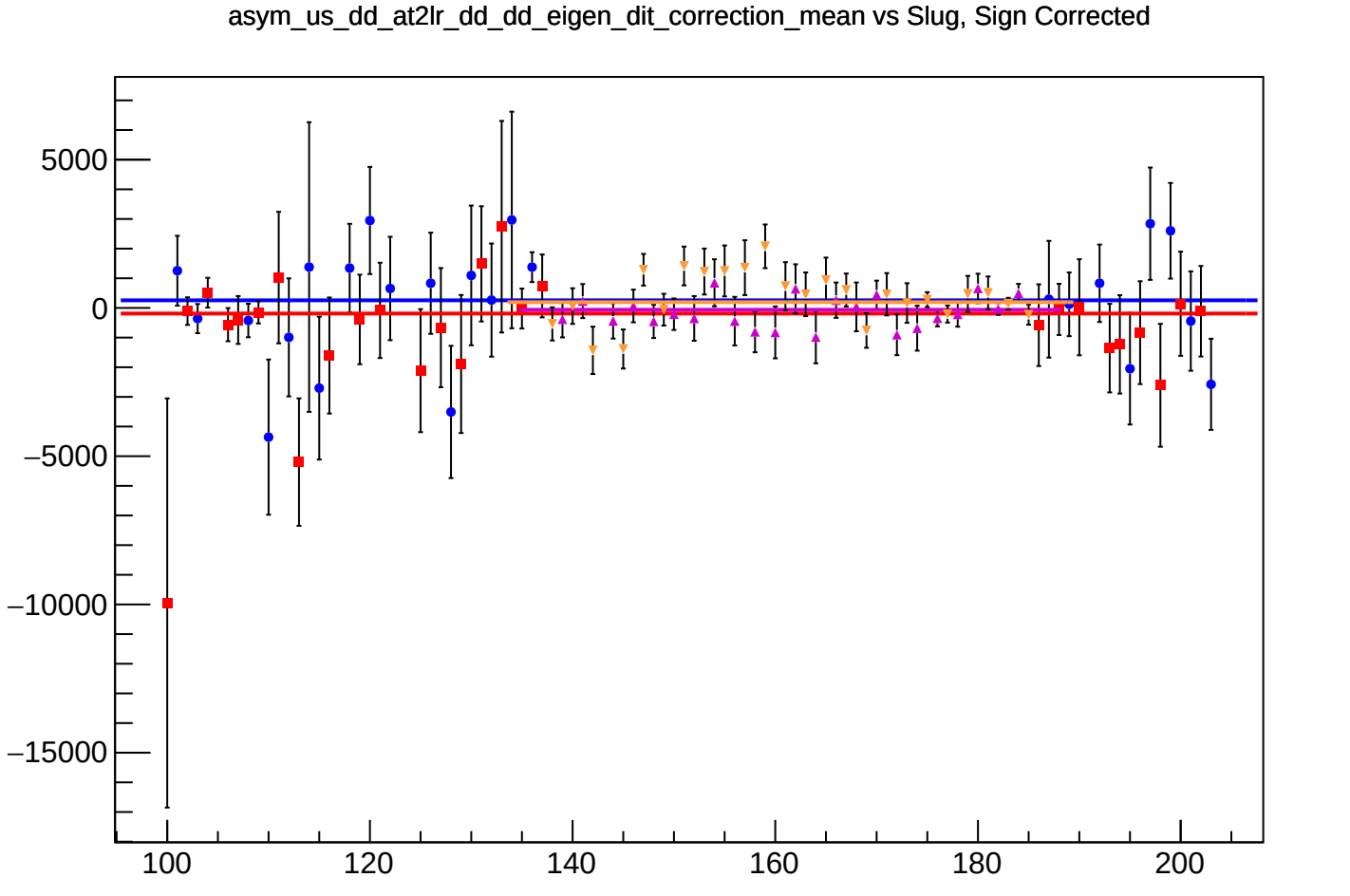
Left: 1582.075+/-0.185 χ^2/NDF: 259404.5/46

Right: 1527.051+/-0.209 χ^2/NDF: 1057385.4/50

In: 1557.411+/-0.197 χ^2/NDF:730189.2/46

Out: 1558.612+/-0.194 χ^2/NDF:625448.6/50

All: 1558.020+/-0.138 χ^2/NDF: 1355656.6/97



Right In: 256.598+/-234.603 χ^2/NDF: 29.5/23

Left Out: 193.312+/-95.894 χ^2/NDF:40.1/23

Right Out: -189.276+/-181.279 χ^2/NDF: 17.2/26

Left In: -62.181+/-99.718 χ^2/NDF:17.0/22

Left: 70.558+/-69.120 χ^2/NDF: 60.5/46

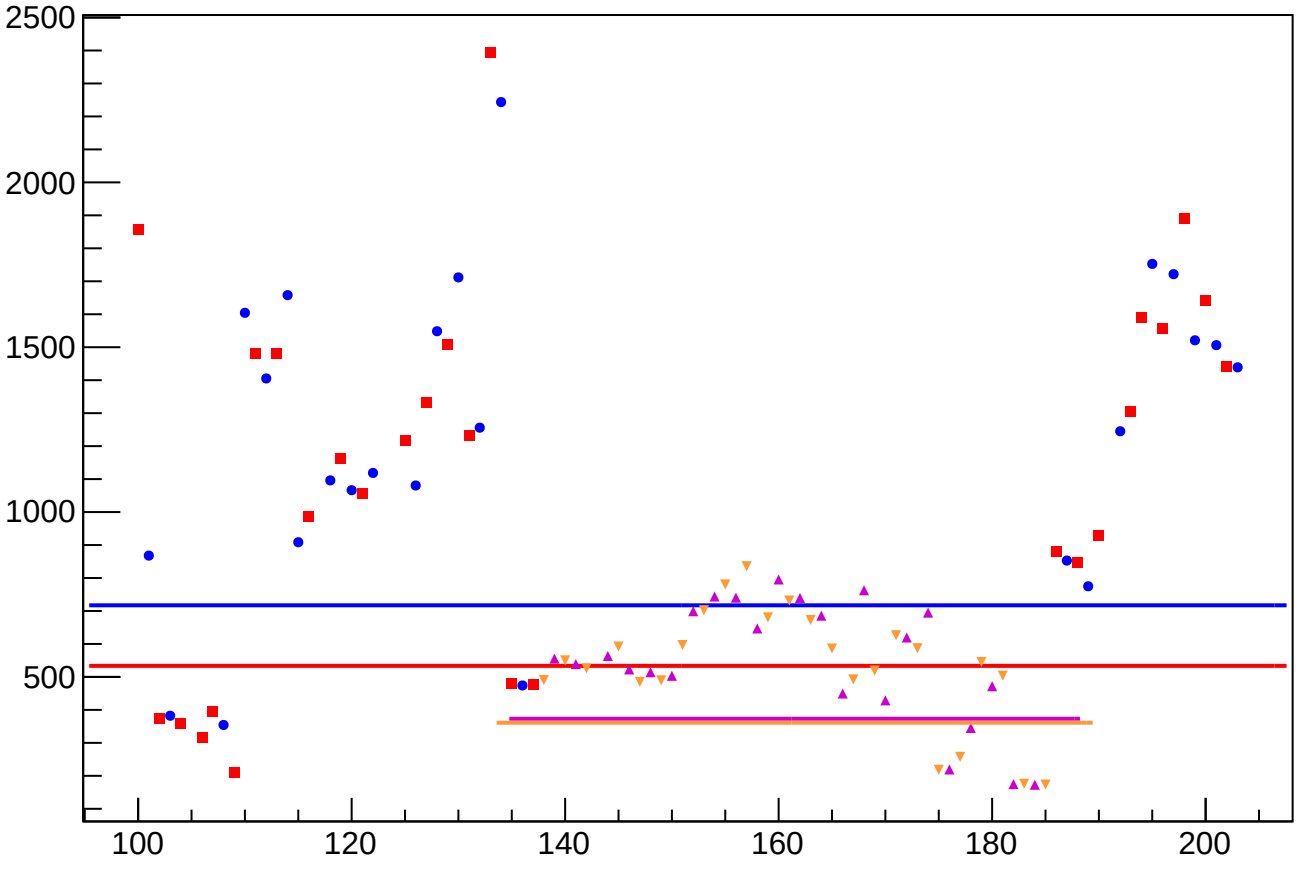
Right: -22.583+/-143.445 χ^2/NDF: 48.9/50

In: -13.401+/-91.772 χ^2/NDF:48.1/46

Out: 109.661+/-84.765 χ^2/NDF:60.7/50

All: 53.007+/-62.268 χ^2/NDF: 109.8/97

asym_us_dd_at2lr_dd_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 717.194+/-0.166 χ^2/NDF: 7248318.6/23

Left Out: 361.103+/-0.068 χ^2/NDF:8182968.2/23

Right Out: 533.504+/-0.128 χ^2/NDF: 10409187.3/26

Left In: 373.145+/-0.071 χ^2/NDF:8207110.6/22

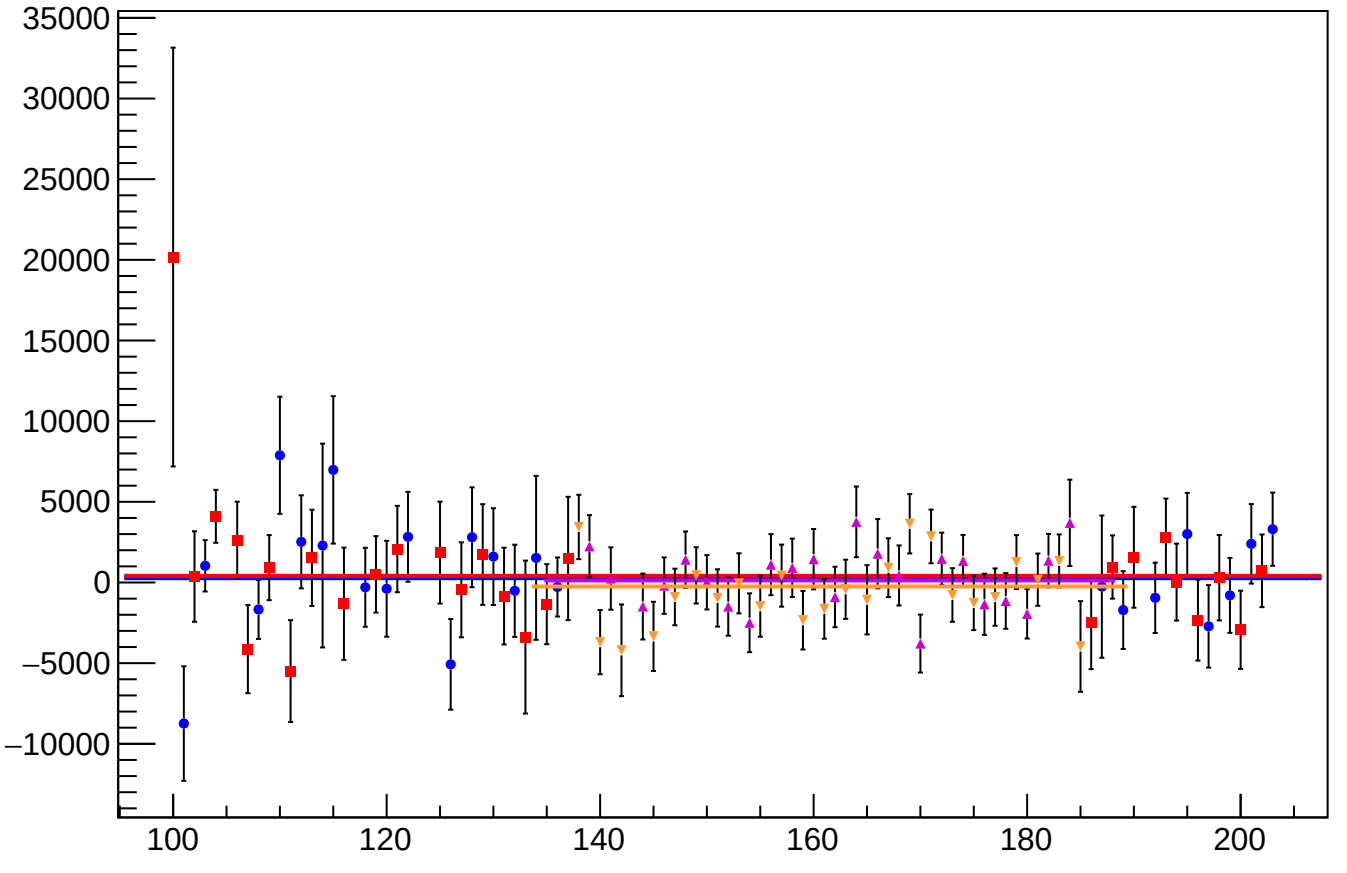
Left: 366.889+/-0.049 χ^2/NDF: 16405230.8/46

Right: 602.178+/-0.101 χ^2/NDF: 18425231.1/50

In: 425.792+/-0.065 χ^2/NDF:19098573.5/46

Out: 398.798+/-0.060 χ^2/NDF:20005548.7/50

All: 411.225+/-0.044 χ^2/NDF: 39197499.3/97



Right In: 267.841+/-531.650 χ^2/NDF: 27.0/23

Left Out: -247.110+/-378.224 χ^2/NDF:26.0/23

Right Out: 414.651+/-507.596 χ^2/NDF: 22.6/26

Left In: 126.114+/-381.305 χ^2/NDF:21.2/22

Left: -62.012+/-268.528 χ^2/NDF: 47.7/46

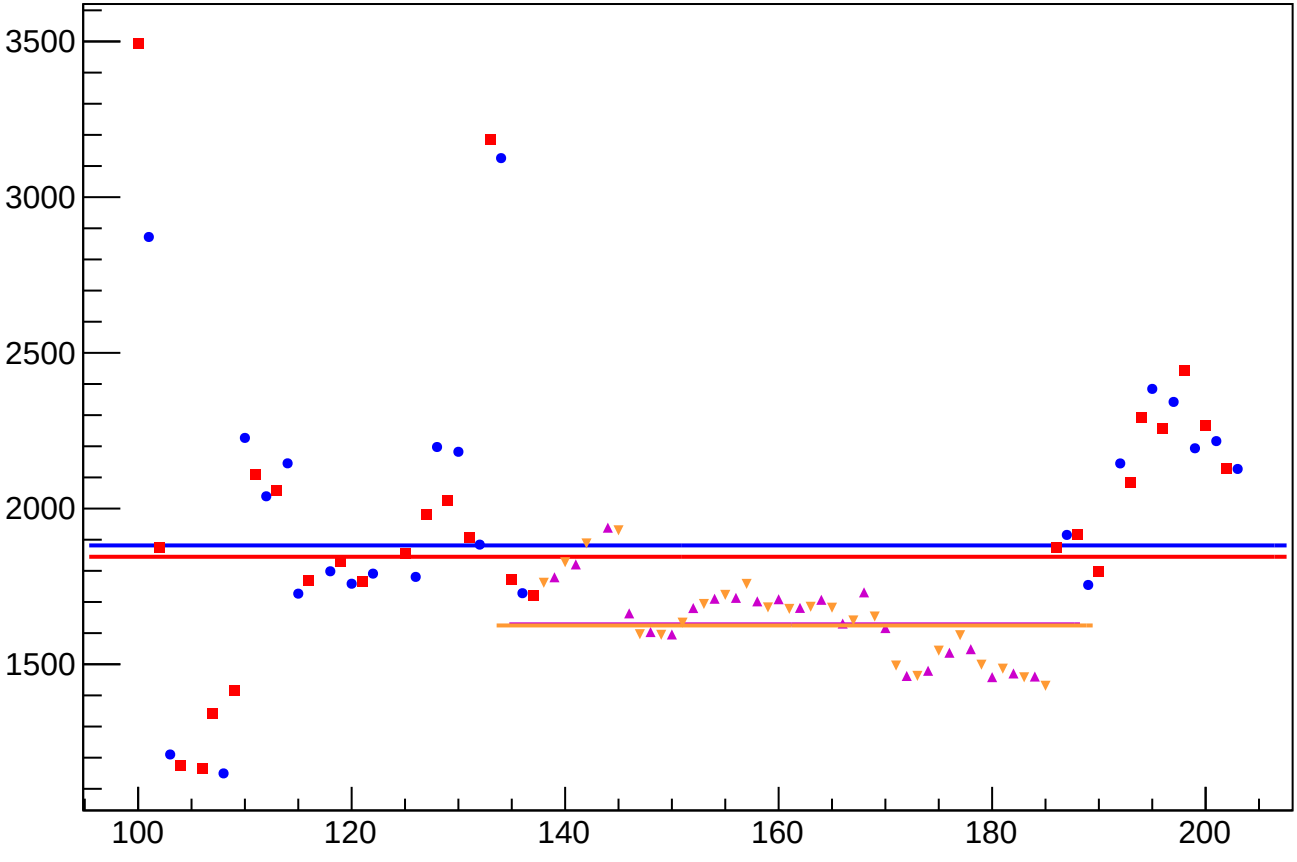
Right: 344.643+/-367.134 χ^2/NDF: 49.6/50

In: 174.254+/-309.851 χ^2/NDF:48.3/46

Out: -10.859+/-303.287 χ^2/NDF:49.7/50

All: 79.716+/-216.740 χ^2/NDF: 98.1/97

asym_us_dd_at2lr_dd_dd_rms vs Slug, Sign Corrected



Right In: 1881.630+/-0.376 χ^2/NDF: 1320926.8/23

Left Out: 1624.614+/-0.267 χ^2/NDF:207257.7/23

Right Out: 1845.180+/-0.359 χ^2/NDF: 1232400.6/26

Left In: 1628.221+/-0.270 χ^2/NDF:204880.6/22

Left: 1626.403+/-0.190 χ^2/NDF: 412228.5/46

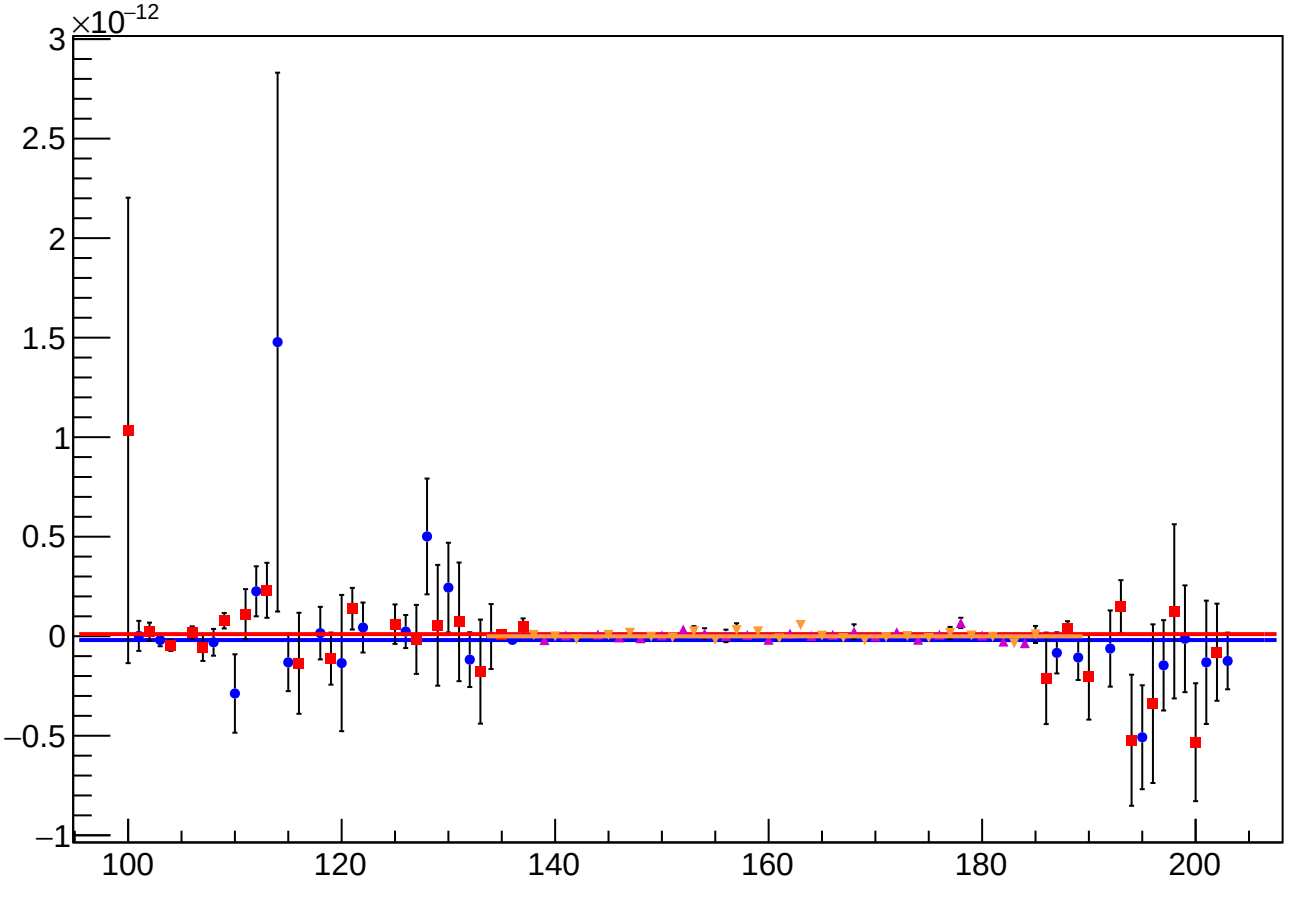
Right: 1862.562+/-0.260 χ^2/NDF: 2558245.4/50

In: 1714.296+/-0.219 χ^2/NDF:1825851.5/46

Out: 1703.357+/-0.214 χ^2/NDF:1682474.9/50

All: 1708.710+/-0.153 χ^2/NDF: 3509599.5/97

asym_us_dd_at2lr_dd_dd_reg_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.000 χ^2/NDF: 18.9/23

Left Out: -0.000+/-0.000 χ^2/NDF:22.6/23

Right Out: 0.000+/-0.000 χ^2/NDF: 27.0/26

Left In: 0.000+/-0.000 χ^2/NDF:24.2/22

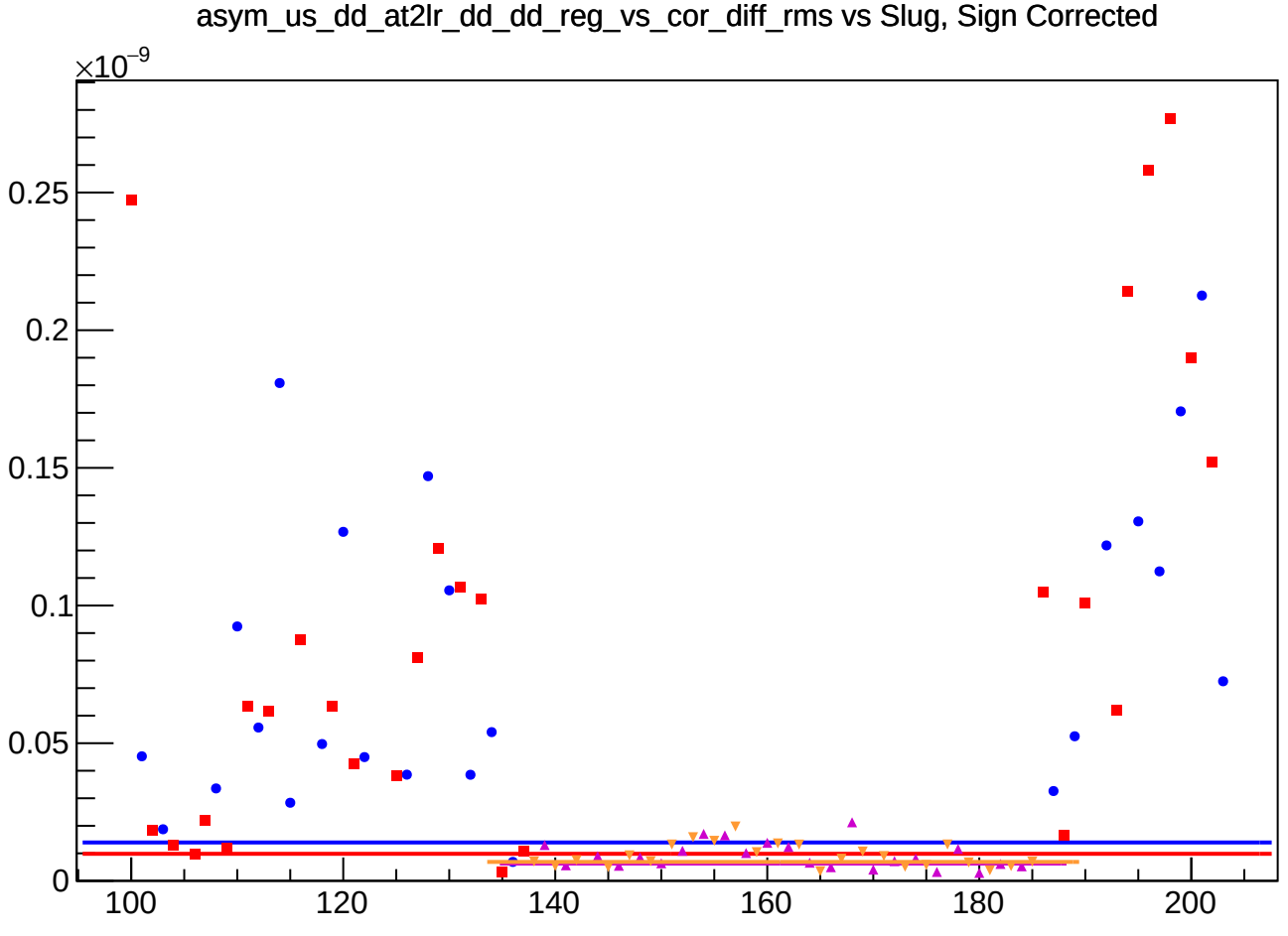
Left: 0.000+/-0.000 χ^2/NDF: 47.2/46

Right: -0.000+/-0.000 χ^2/NDF: 51.0/50

In: 0.000+/-0.000 χ^2/NDF:47.2/46

Out: 0.000+/-0.000 χ^2/NDF:51.1/50

All: 0.000+/-0.000 χ^2/NDF: 98.3/97



Right In: 0.000+/-0.000 χ^2/NDF: 7047637.1/23

Left Out: 0.000+/-0.000 χ^2/NDF:2256547.8/23

Right Out: 0.000+/-0.000 χ^2/NDF: 8362024.9/26

Left In: 0.000+/-0.000 χ^2/NDF:2888385.6/22

Left: 0.000+/-0.000 χ^2/NDF: 5189150.7/46

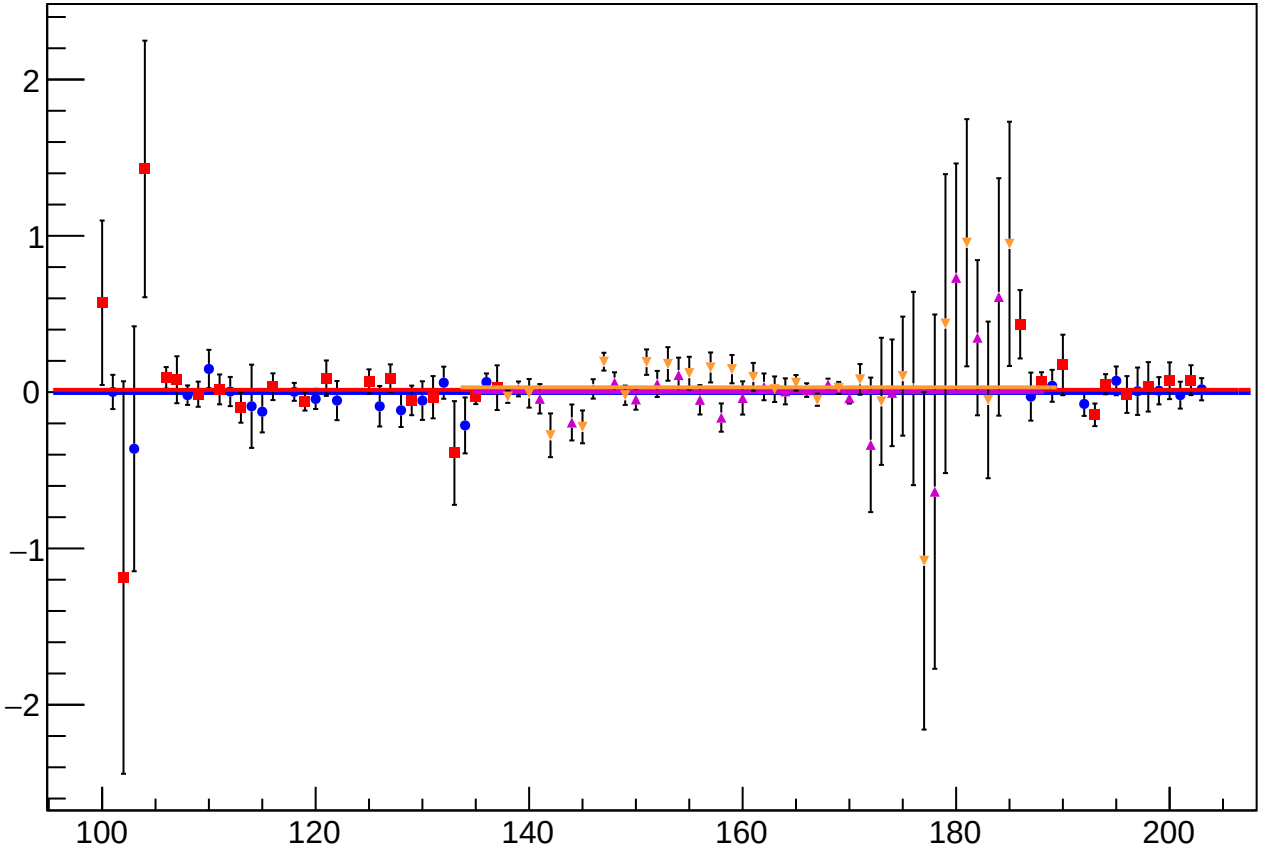
Right: 0.000+/-0.000 χ^2/NDF: 15606108.5/50

In: 0.000+/-0.000 χ^2/NDF:11007745.3/46

Out: 0.000+/-0.000 χ^2/NDF:10836868.1/50

All: 0.000+/-0.000 χ^2/NDF: 21864674.6/97

asym_us_dd_at2lr_dd_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.005+/-0.019 χ^2/NDF: 10.3/23

Left Out: 0.031+/-0.015 χ^2/NDF:41.5/23

Right Out: 0.015+/-0.018 χ^2/NDF: 24.8/26

Left In: 0.001+/-0.015 χ^2/NDF:16.0/22

Left: 0.015+/-0.011 χ^2/NDF: 59.5/46

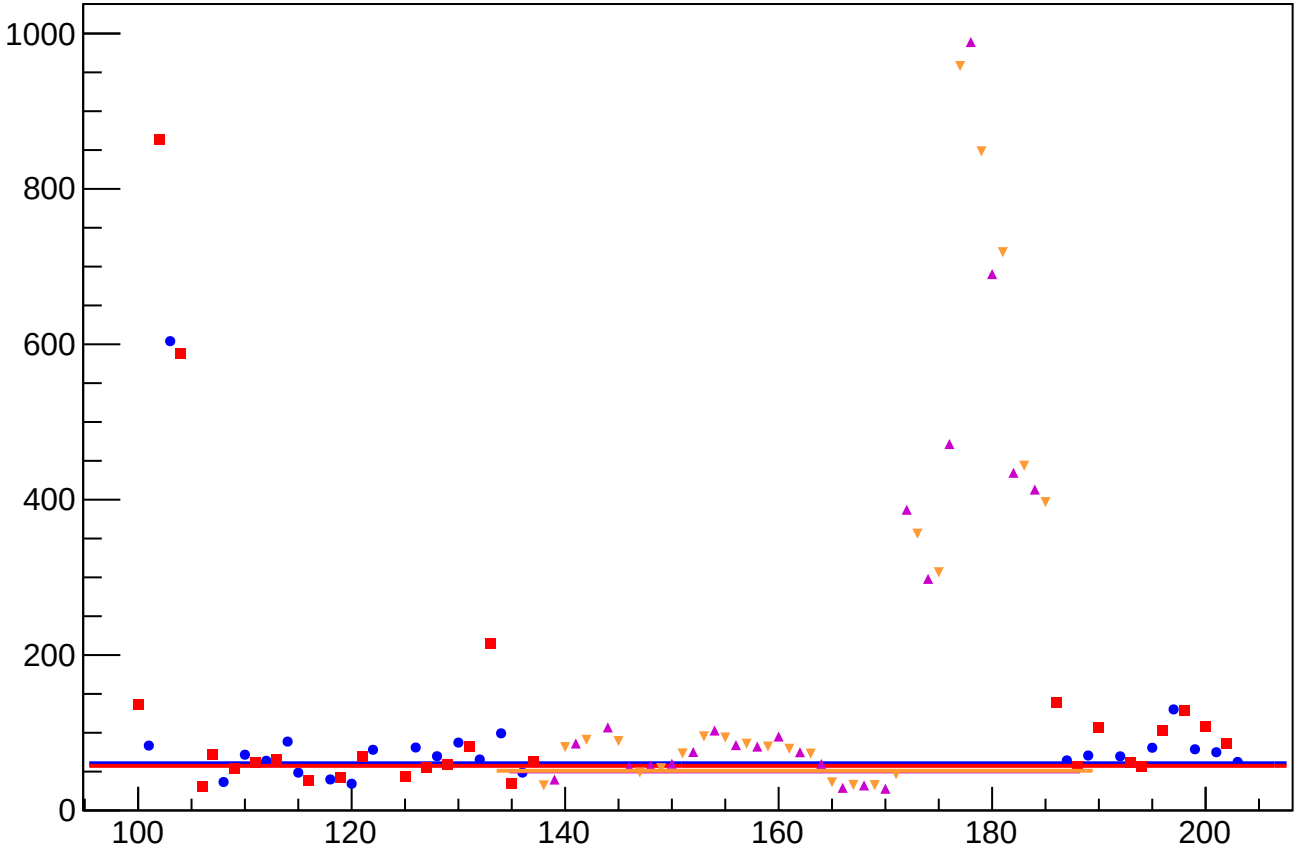
Right: 0.005+/-0.013 χ^2/NDF: 35.7/50

In: -0.002+/-0.012 χ^2/NDF:26.3/46

Out: 0.024+/-0.012 χ^2/NDF:66.8/50

All: 0.011+/-0.008 χ^2/NDF: 95.5/97

asym_us_dd_at2lr_dd_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 60.701+/-0.013 χ^2/NDF: 3089224.2/23

Left Out: 51.081+/-0.011 χ^2/NDF:11736636.7/23

Right Out: 57.420+/-0.013 χ^2/NDF: 4952290.0/26

Left In: 50.251+/-0.011 χ^2/NDF:12195723.8/22

Left: 50.660+/-0.008 χ^2/NDF: 23935280.6/46

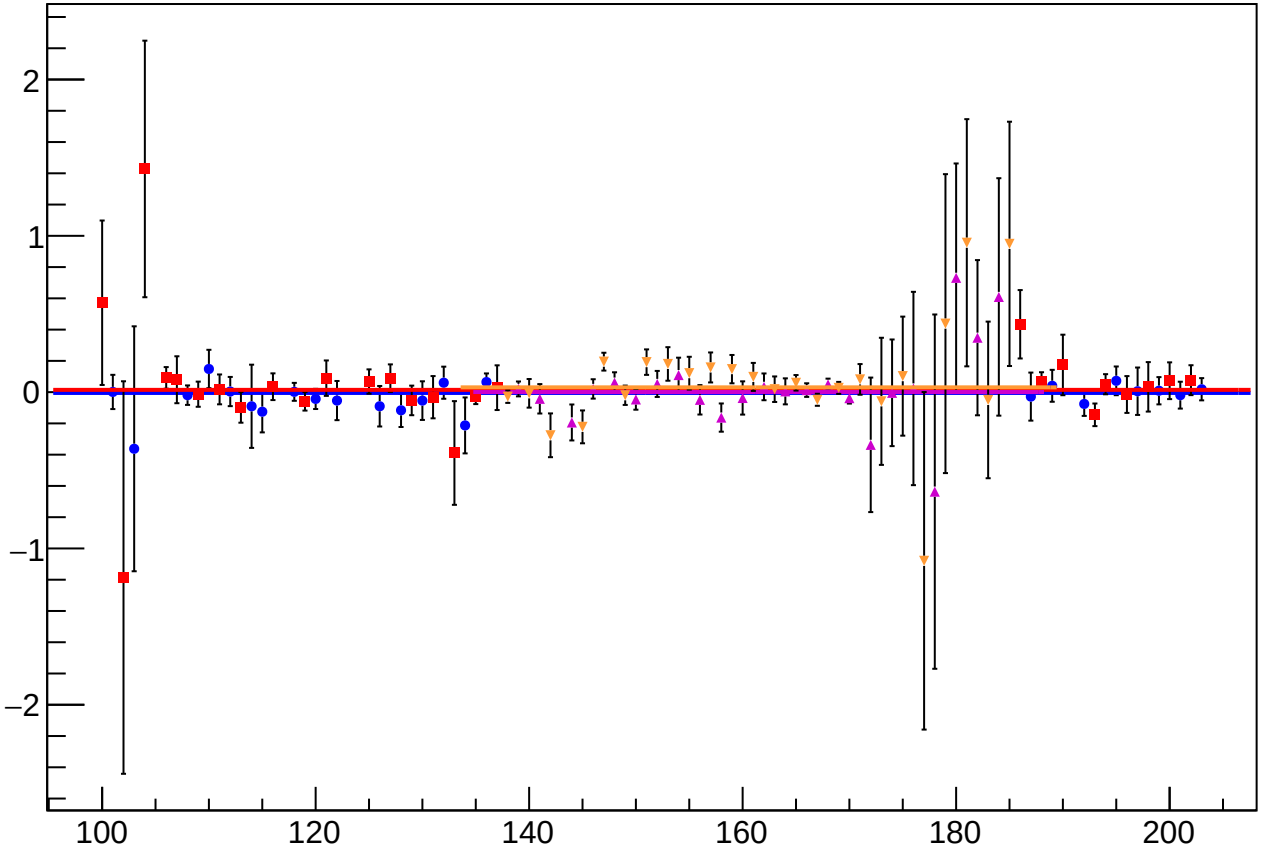
Right: 58.987+/-0.009 χ^2/NDF: 8073089.2/50

In: 54.382+/-0.008 χ^2/NDF:15655818.2/46

Out: 53.767+/-0.008 χ^2/NDF:16831195.0/50

All: 54.072+/-0.006 χ^2/NDF: 32489726.8/97

asym_us_dd_at2lr_dd_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.005+/-0.019 χ^2/NDF: 10.3/23

Left Out: 0.031+/-0.015 χ^2/NDF:41.5/23

Right Out: 0.015+/-0.018 χ^2/NDF: 24.8/26

Left In: 0.001+/-0.015 χ^2/NDF:16.0/22

Left: 0.015+/-0.011 χ^2/NDF: 59.5/46

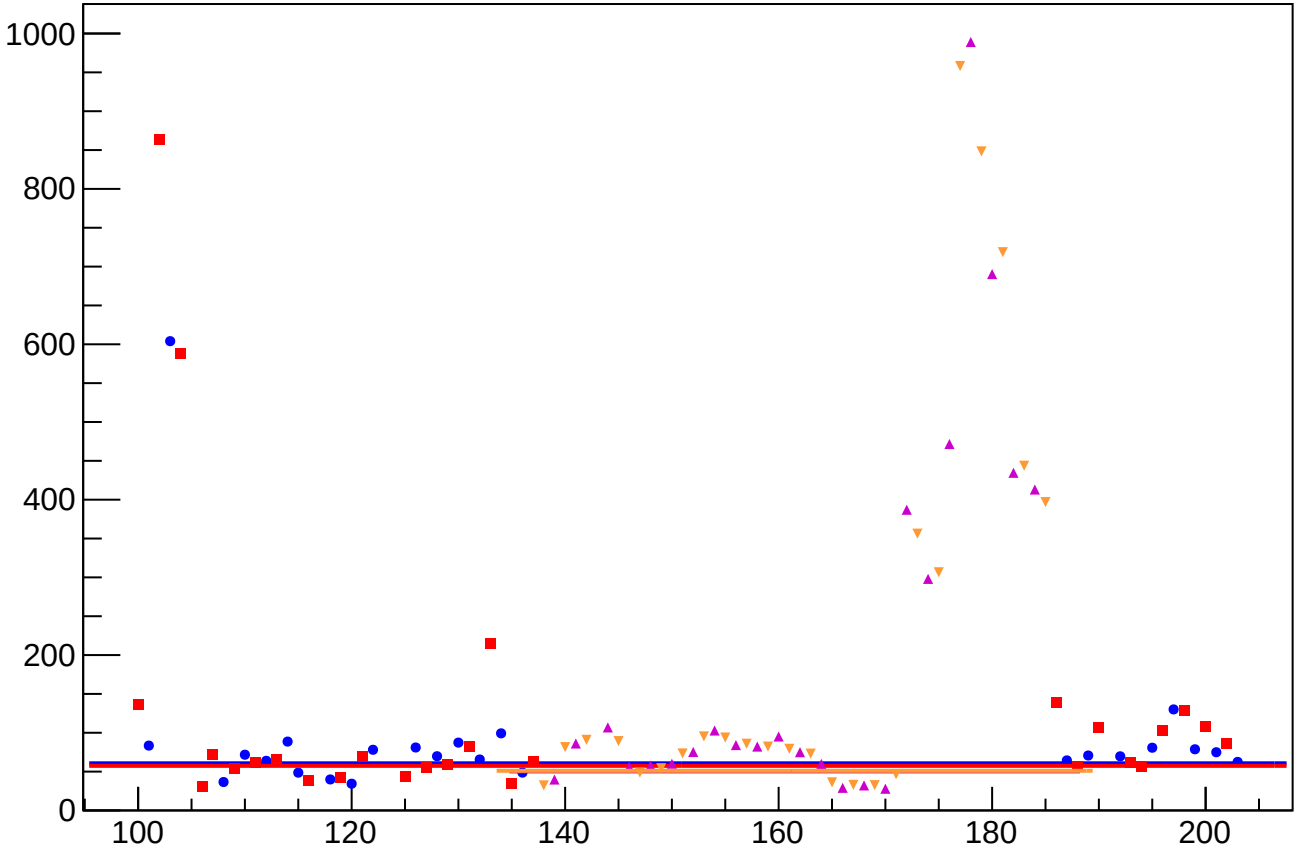
Right: 0.005+/-0.013 χ^2/NDF: 35.7/50

In: -0.002+/-0.012 χ^2/NDF:26.3/46

Out: 0.024+/-0.012 χ^2/NDF:66.8/50

All: 0.011+/-0.008 χ^2/NDF: 95.5/97

asym_us_dd_at2lr_dd_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 60.701+/-0.013 χ^2/NDF: 3089224.2/23

Left Out: 51.081+/-0.011 χ^2/NDF:11736636.7/23

Right Out: 57.420+/-0.013 χ^2/NDF: 4952290.0/26

Left In: 50.251+/-0.011 χ^2/NDF:12195723.8/22

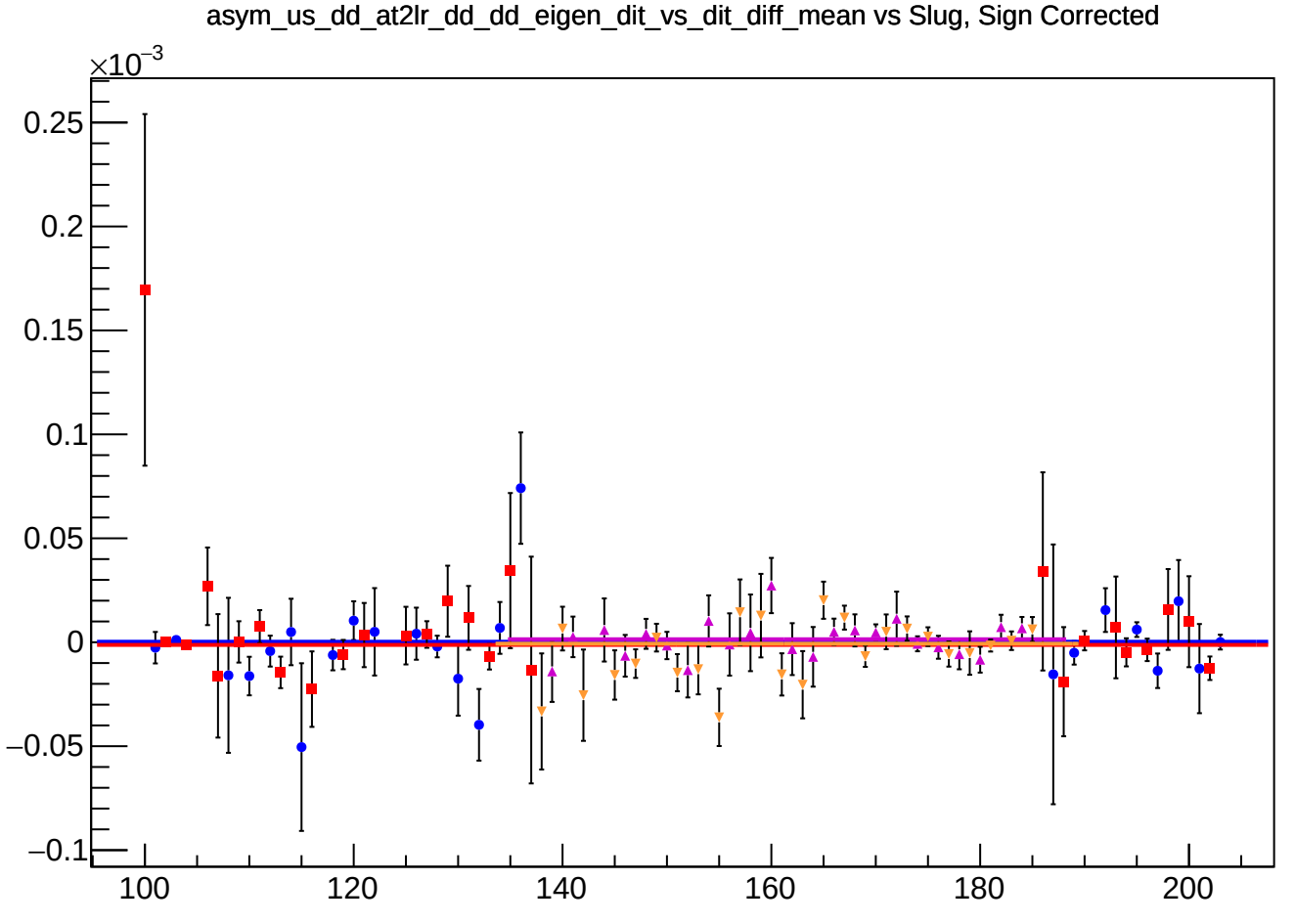
Left: 50.660+/-0.008 χ^2/NDF: 23935280.6/46

Right: 58.987+/-0.009 χ^2/NDF: 8073089.2/50

In: 54.382+/-0.008 χ^2/NDF:15655818.2/46

Out: 53.767+/-0.008 χ^2/NDF:16831195.0/50

All: 54.072+/-0.006 χ^2/NDF: 32489726.8/97



Right In: 0.000+/-0.000 χ^2/NDF: 32.2/23

Left Out: -0.000+/-0.000 χ^2/NDF:38.5/23

Right Out: -0.000+/-0.000 χ^2/NDF: 24.8/26

Left In: 0.000+/-0.000 χ^2/NDF:16.4/22

Left: 0.000+/-0.000 χ^2/NDF: 56.0/46

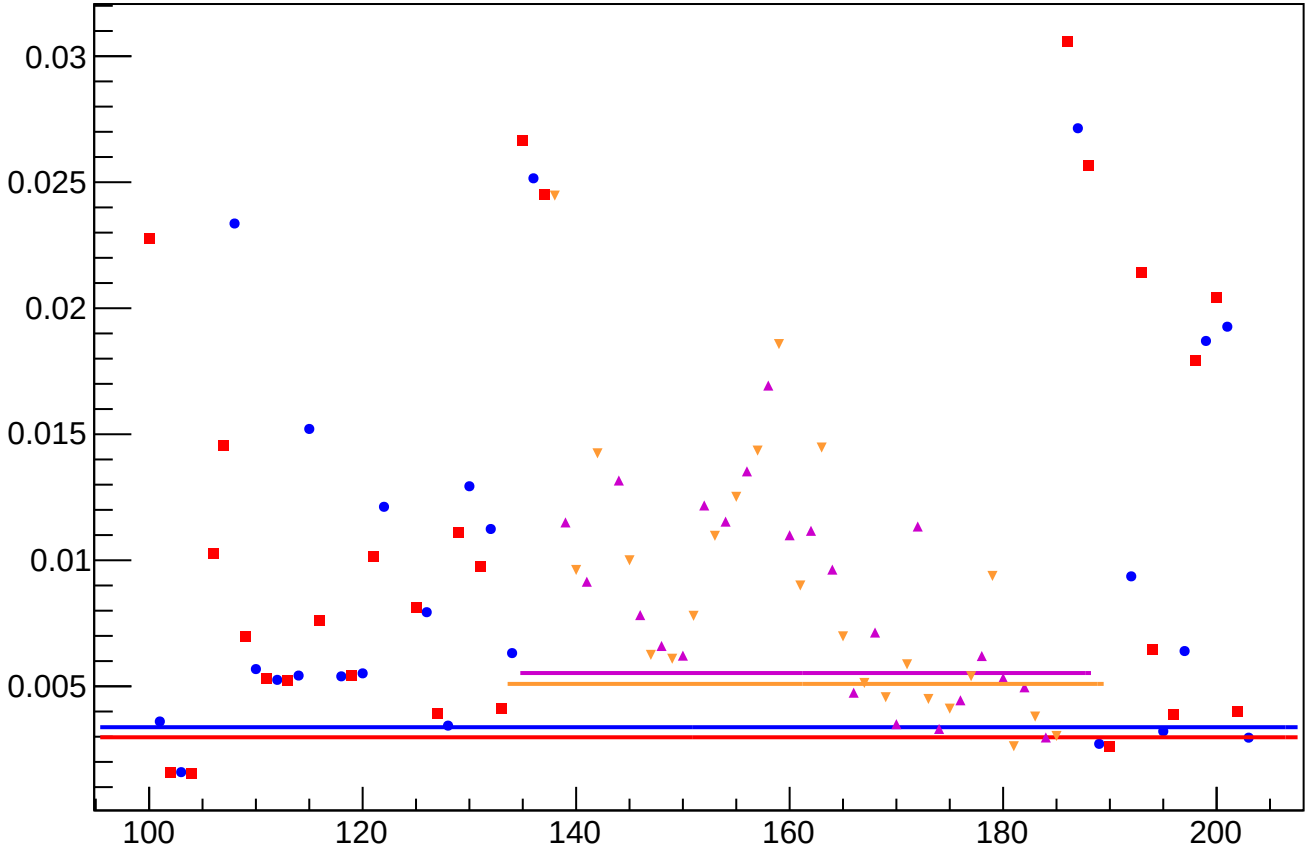
Right: -0.000+/-0.000 χ^2/NDF: 57.8/50

In: 0.000+/-0.000 χ^2/NDF:49.0/46

Out: -0.000+/-0.000 χ^2/NDF:63.4/50

All: -0.000+/-0.000 χ^2/NDF: 114.2/97

asym_us_dd_at2lr_dd_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.003+/-0.000 χ^2/NDF: 9398116.0/23

Left Out: 0.005+/-0.000 χ^2/NDF:8380878.9/23

Right Out: 0.003+/-0.000 χ^2/NDF: 12900677.0/26

Left In: 0.006+/-0.000 χ^2/NDF:6892708.8/22

Left: 0.005+/-0.000 χ^2/NDF: 15361726.2/46

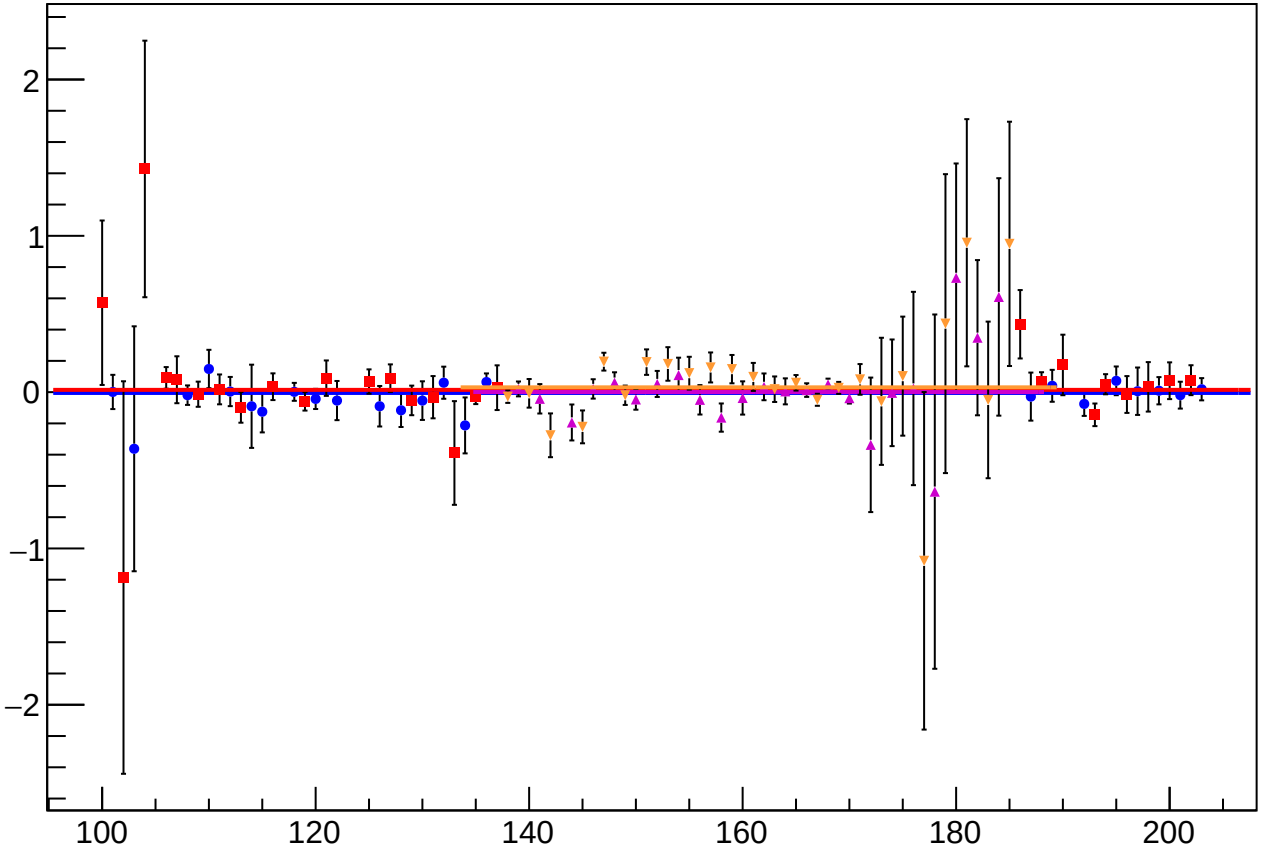
Right: 0.003+/-0.000 χ^2/NDF: 22406068.9/50

In: 0.004+/-0.000 χ^2/NDF:18630847.6/46

Out: 0.004+/-0.000 χ^2/NDF:24043497.1/50

All: 0.004+/-0.000 χ^2/NDF: 42910348.1/97

asym_us_dd_at2lr_dd_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.005+/-0.019 χ^2/NDF: 10.3/23

Left Out: 0.031+/-0.015 χ^2/NDF:41.5/23

Right Out: 0.015+/-0.018 χ^2/NDF: 24.8/26

Left In: 0.001+/-0.015 χ^2/NDF:16.0/22

Left: 0.015+/-0.011 χ^2/NDF: 59.5/46

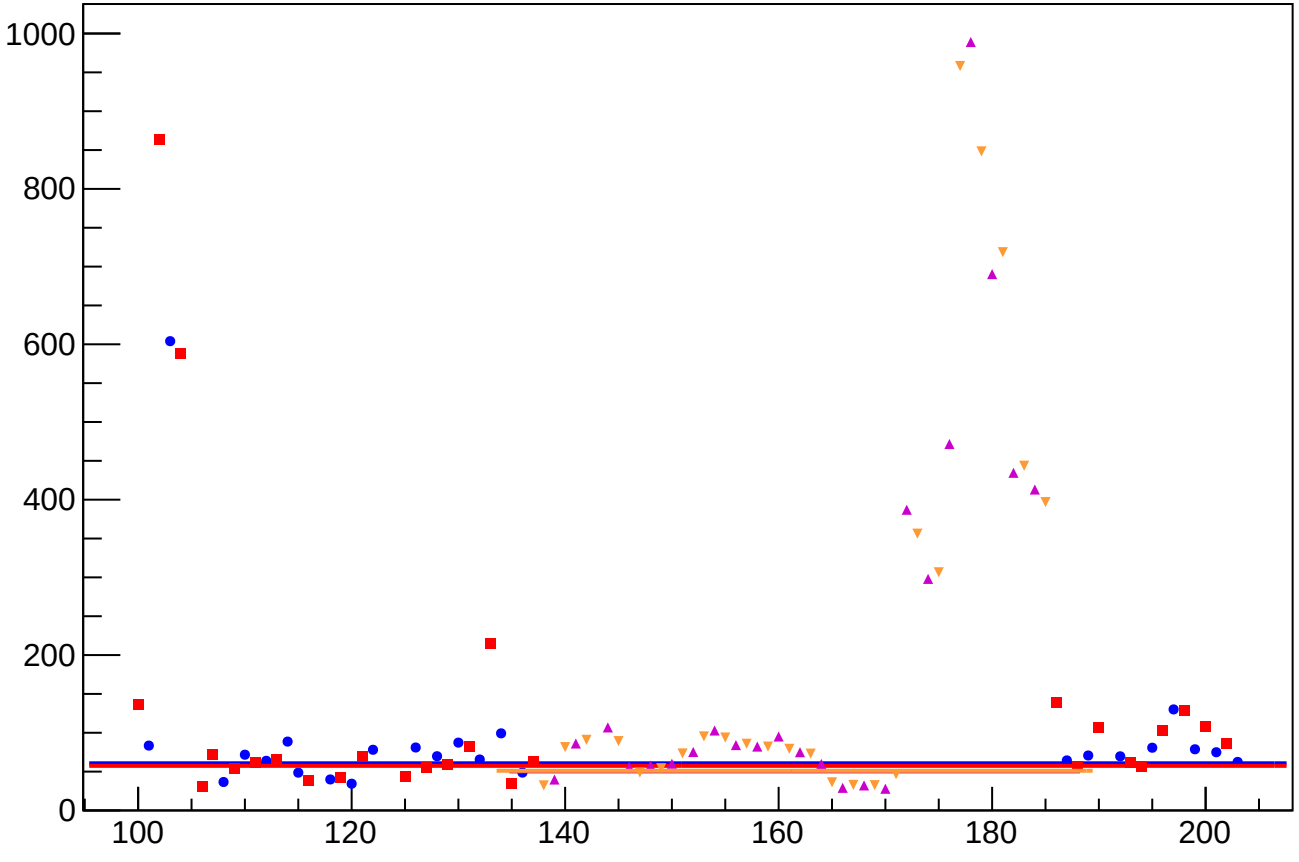
Right: 0.005+/-0.013 χ^2/NDF: 35.7/50

In: -0.002+/-0.012 χ^2/NDF:26.3/46

Out: 0.024+/-0.012 χ^2/NDF:66.8/50

All: 0.011+/-0.008 χ^2/NDF: 95.5/97

asym_us_dd_at2lr_dd_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 60.703+/-0.013 χ^2/NDF: 3088631.2/23

Left Out: 51.083+/-0.011 χ^2/NDF:11735805.5/23

Right Out: 57.422+/-0.013 χ^2/NDF: 4951980.4/26

Left In: 50.251+/-0.011 χ^2/NDF:12195665.4/22

Left: 50.661+/-0.008 χ^2/NDF: 23934407.8/46

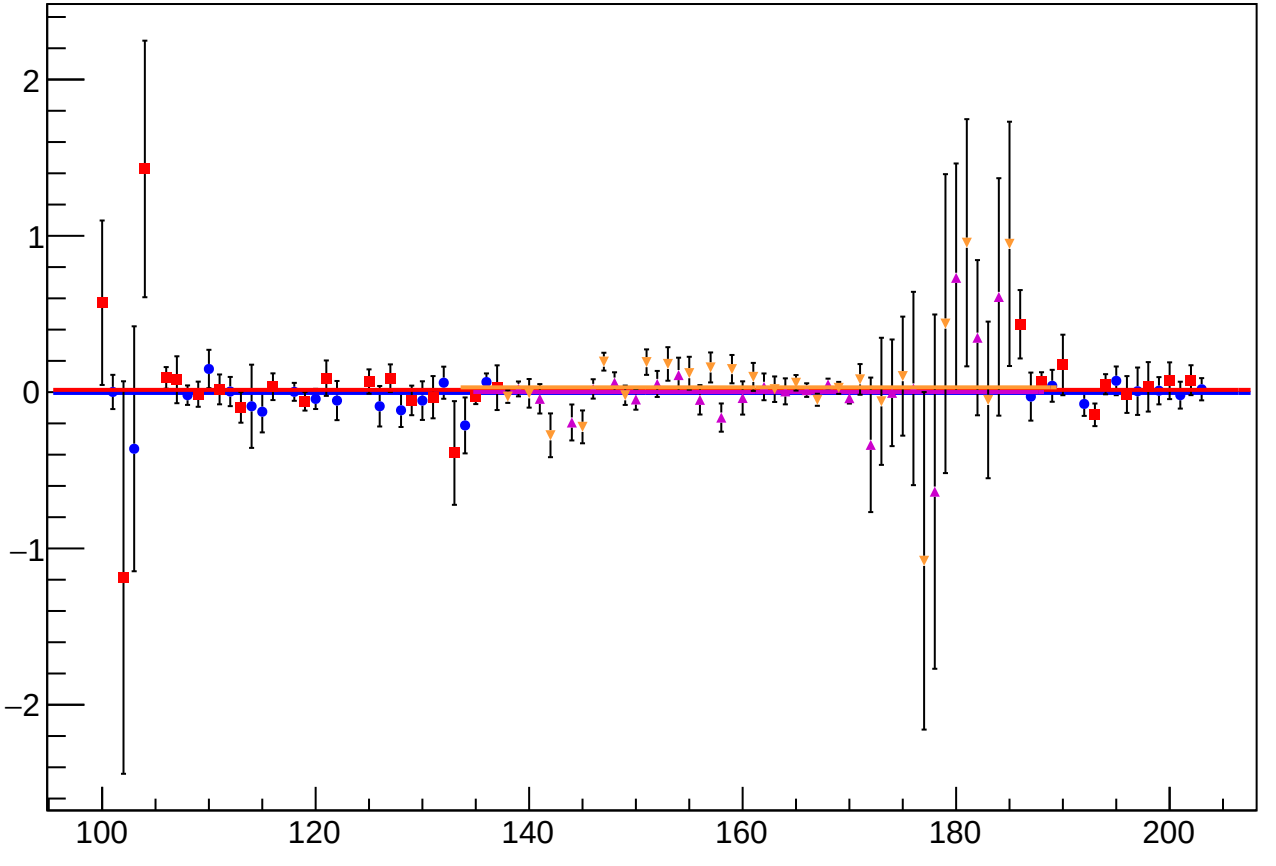
Right: 58.989+/-0.009 χ^2/NDF: 8072196.3/50

In: 54.383+/-0.008 χ^2/NDF:15655330.0/46

Out: 53.769+/-0.008 χ^2/NDF:16830025.5/50

All: 54.073+/-0.006 χ^2/NDF: 32488056.7/97

asym_us_dd_at2lr_dd_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.005+/-0.019 χ^2/NDF: 10.3/23

Left Out: 0.031+/-0.015 χ^2/NDF:41.5/23

Right Out: 0.015+/-0.018 χ^2/NDF: 24.8/26

Left In: 0.001+/-0.015 χ^2/NDF:16.0/22

Left: 0.015+/-0.011 χ^2/NDF: 59.5/46

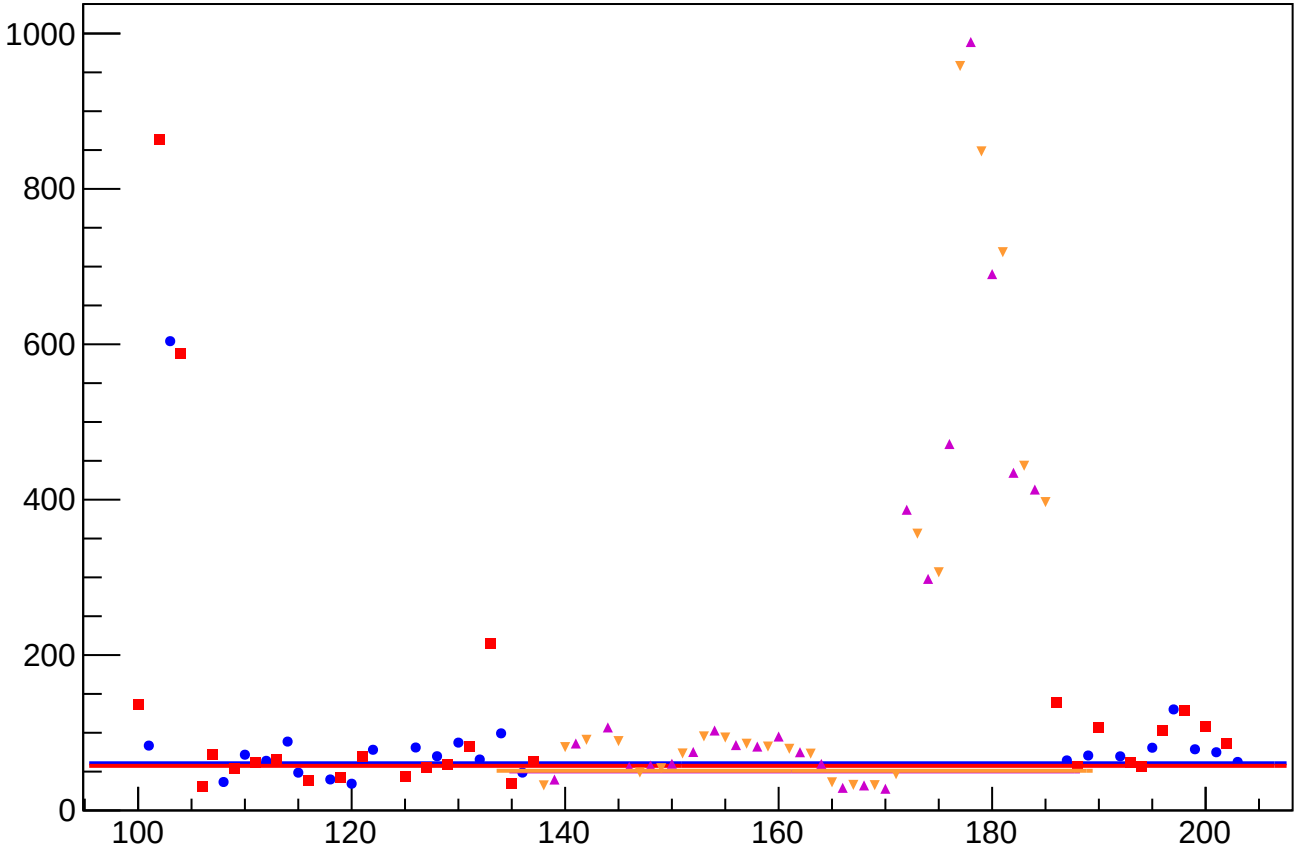
Right: 0.005+/-0.013 χ^2/NDF: 35.7/50

In: -0.002+/-0.012 χ^2/NDF:26.3/46

Out: 0.024+/-0.012 χ^2/NDF:66.8/50

All: 0.011+/-0.008 χ^2/NDF: 95.5/97

asym_us_dd_at2lr_dd_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 60.703+/-0.013 χ^2/NDF: 3088631.2/23

Left Out: 51.083+/-0.011 χ^2/NDF:11735805.5/23

Right Out: 57.422+/-0.013 χ^2/NDF: 4951980.4/26

Left In: 50.251+/-0.011 χ^2/NDF:12195665.4/22

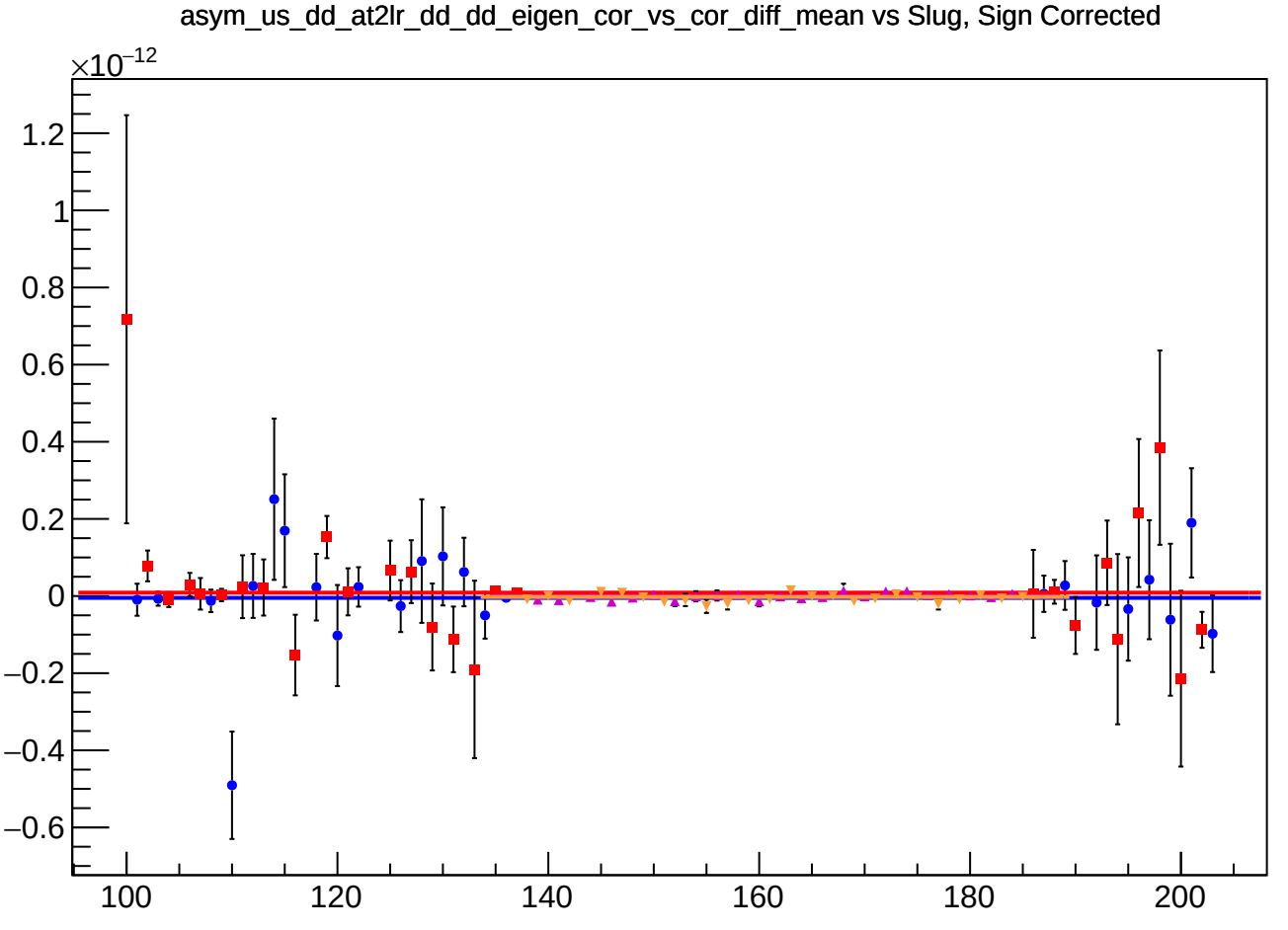
Left: 50.661+/-0.008 χ^2/NDF: 23934407.8/46

Right: 58.989+/-0.009 χ^2/NDF: 8072196.3/50

In: 54.383+/-0.008 χ^2/NDF:15655330.0/46

Out: 53.769+/-0.008 χ^2/NDF:16830025.5/50

All: 54.073+/-0.006 χ^2/NDF: 32488056.7/97



Right In: -0.000+/-0.000 χ^2/NDF: 21.9/23

Left Out: -0.000+/-0.000 χ^2/NDF:22.2/23

Right Out: 0.000+/-0.000 χ^2/NDF: 30.9/26

Left In: -0.000+/-0.000 χ^2/NDF:18.2/22

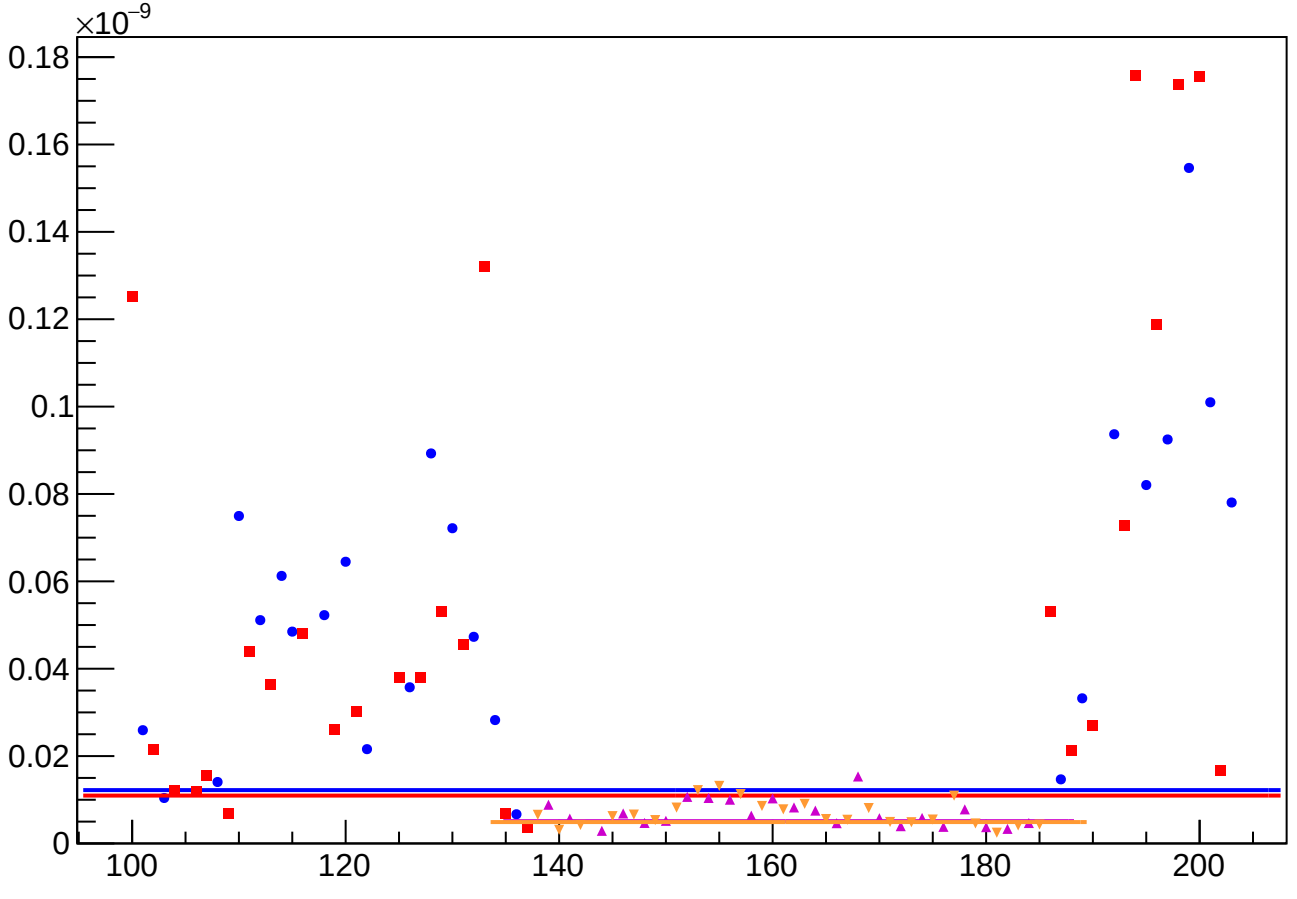
Left: -0.000+/-0.000 χ^2/NDF: 41.4/46

Right: 0.000+/-0.000 χ^2/NDF: 55.0/50

In: -0.000+/-0.000 χ^2/NDF:40.5/46

Out: -0.000+/-0.000 χ^2/NDF:56.1/50

All: -0.000+/-0.000 χ^2/NDF: 97.0/97



Right In: 0.000+/-0.000 χ^2/NDF: 9567998.8/23

Left Out: 0.000+/-0.000 χ^2/NDF:4312108.9/23

Right Out: 0.000+/-0.000 χ^2/NDF: 9024953.6/26

Left In: 0.000+/-0.000 χ^2/NDF:3777059.0/22

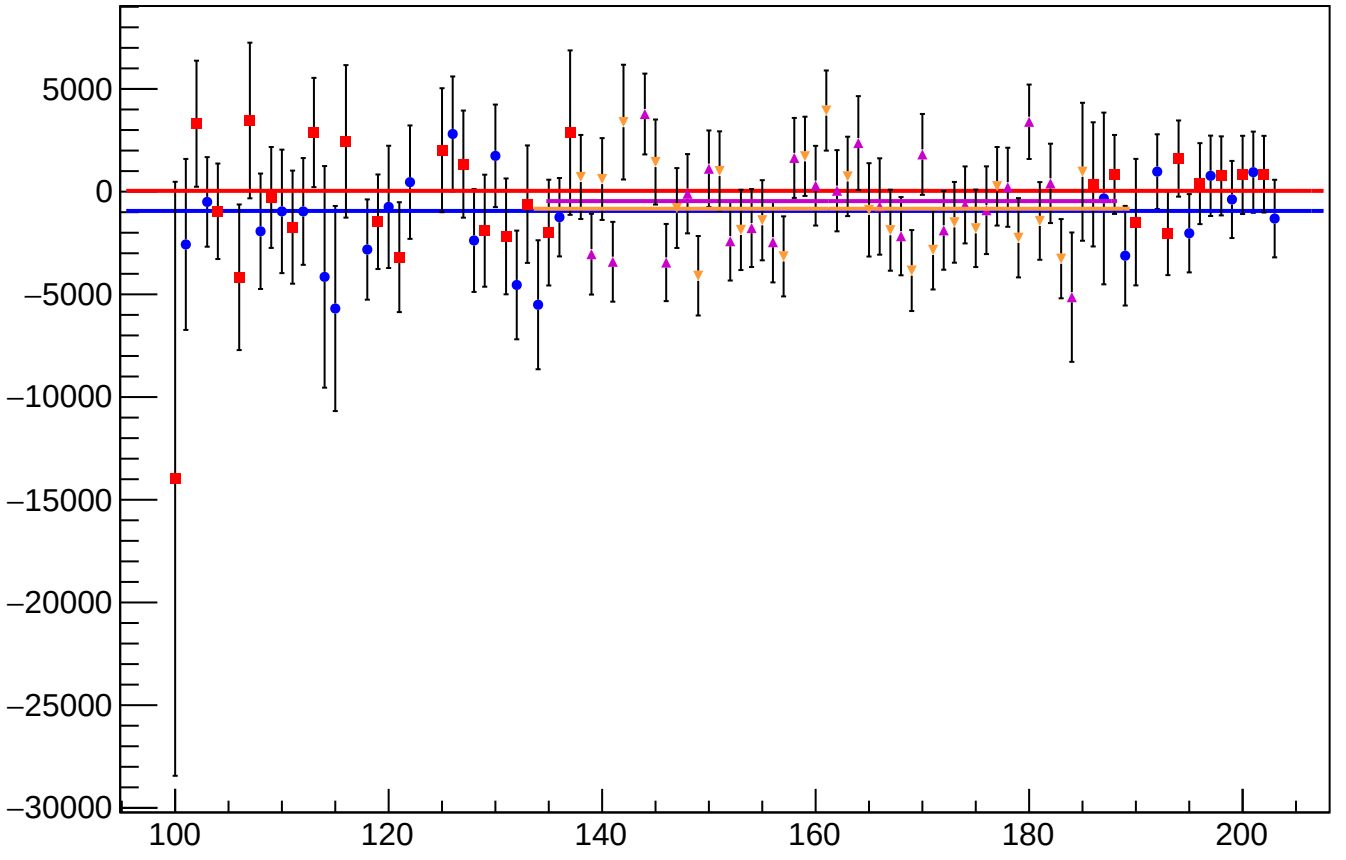
Left: 0.000+/-0.000 χ^2/NDF: 8107483.0/46

Right: 0.000+/-0.000 χ^2/NDF: 18630683.4/50

In: 0.000+/-0.000 χ^2/NDF:15493318.3/46

Out: 0.000+/-0.000 χ^2/NDF:15135598.8/50

All: 0.000+/-0.000 χ^2/NDF: 30654537.3/97



Right In: -938.829+/-500.438 χ^2/NDF: 13.8/23

Left Out: -832.582+/-410.448 χ^2/NDF:25.4/23

Right Out: 38.222+/-485.302 χ^2/NDF: 14.0/26

Left In: -459.594+/-413.637 χ^2/NDF:27.3/22

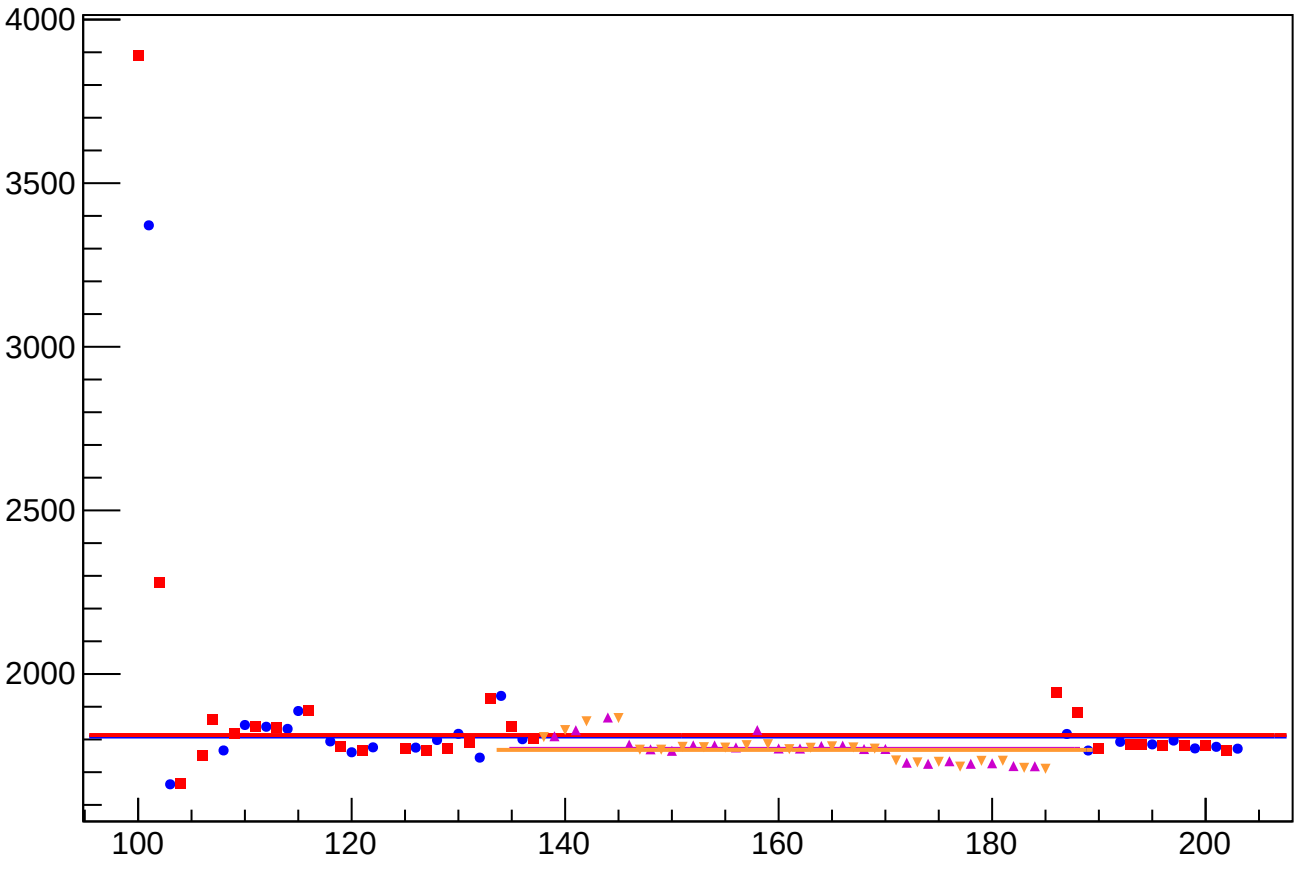
Left: -647.532+/-291.352 χ^2/NDF: 53.1/46

Right: -435.304+/-348.388 χ^2/NDF: 29.8/50

In: -654.110+/-318.826 χ^2/NDF:41.6/46

Out: -469.445+/-313.391 χ^2/NDF:41.4/50

All: -560.190+/-223.498 χ^2/NDF: 83.1/97



Right In: 1809.000+/-0.354 χ^2/NDF: 301077.7/23

Left Out: 1768.125+/-0.290 χ^2/NDF:16358.2/23

Right Out: 1813.529+/-0.343 χ^2/NDF: 114281.7/26

Left In: 1771.217+/-0.292 χ^2/NDF:16425.7/22

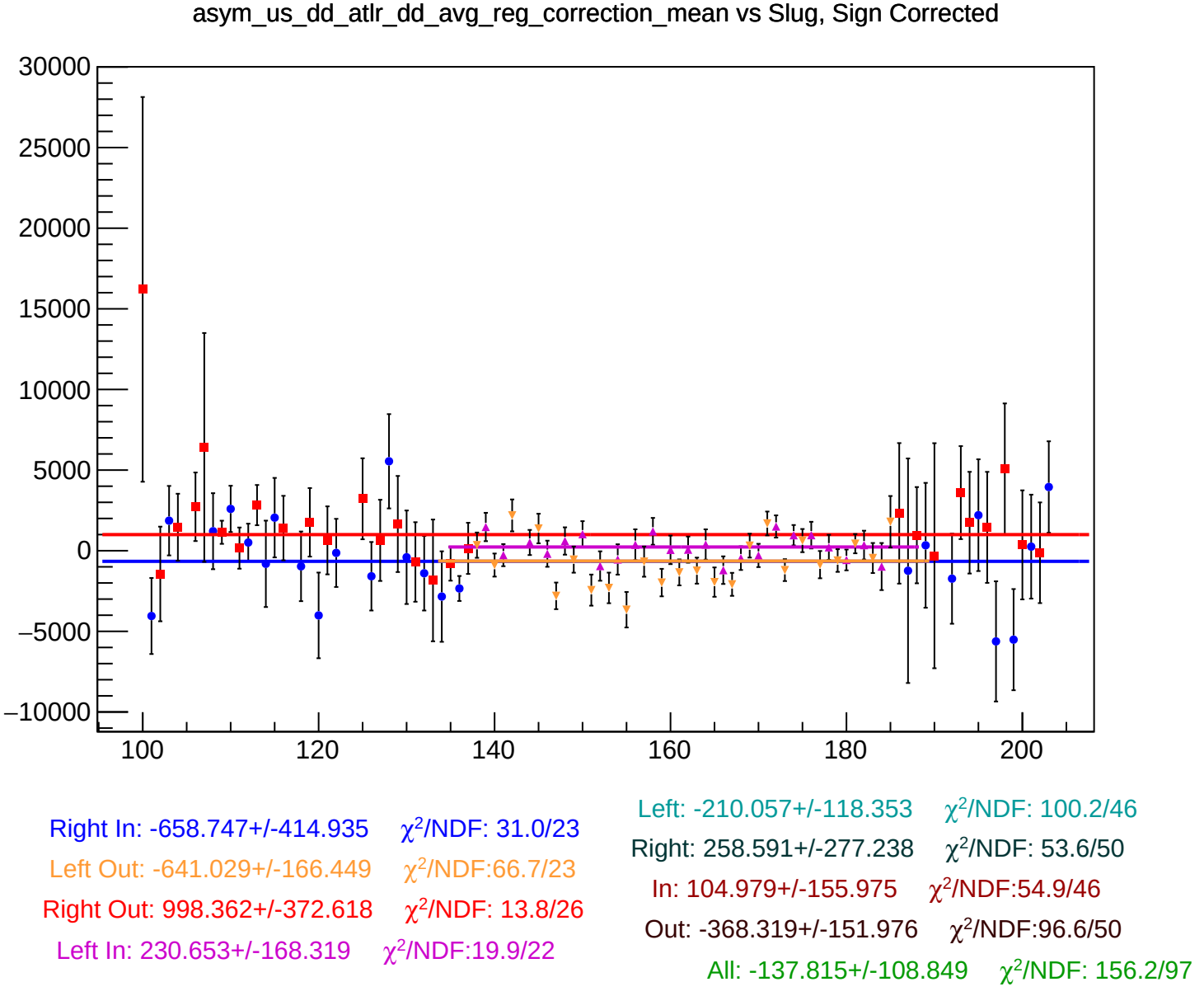
Left: 1769.659+/-0.206 χ^2/NDF: 32840.2/46

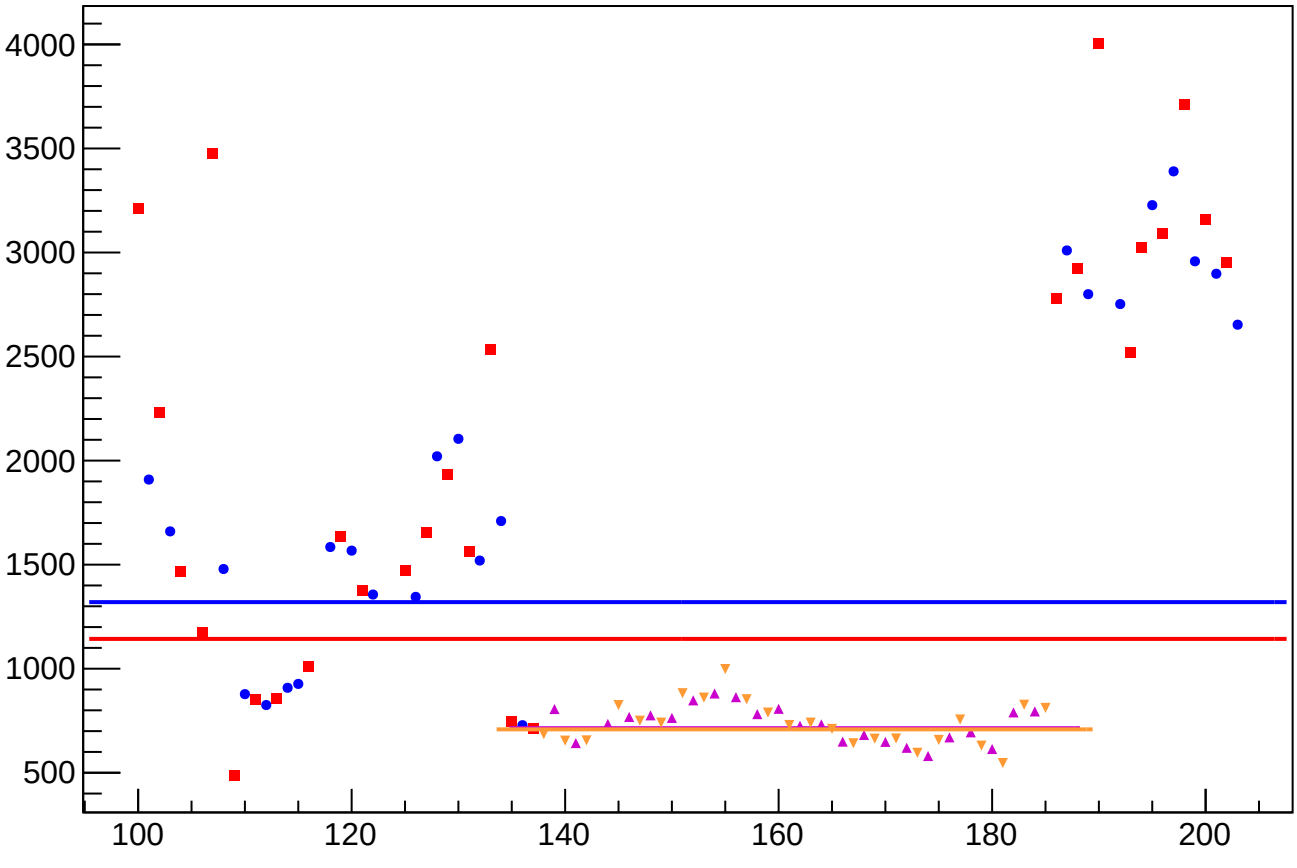
Right: 1811.334+/-0.246 χ^2/NDF: 415443.9/50

In: 1786.553+/-0.225 χ^2/NDF:324276.6/46

Out: 1787.059+/-0.222 χ^2/NDF:140845.8/50

All: 1786.811+/-0.158 χ^2/NDF: 465124.9/97


asym_us_dd_atlr_dd_avg_reg_correction_mean vs Slug, Sign Corrected
30000
25000
20000
15000
10000
5000
0
−5000
−10000
100
120
140
160
180
200
Right In: -658.747+/-414.935 χ²/NDF: 31.0/23
Left Out: -641.029+/-166.449 χ²/NDF:66.7/23
Right Out: 998.362+/-372.618 χ²/NDF: 13.8/26
Left In: 230.653+/-168.319 χ²/NDF:19.9/22
Left: -210.057+/-118.353 χ²/NDF: 100.2/46
Right: 258.591+/-277.238 χ²/NDF: 53.6/50
In: 104.979+/-155.975 χ²/NDF:54.9/46
Out: -368.319+/-151.976 χ²/NDF:96.6/50
All: -137.815+/-108.849 χ²/NDF: 156.2/97



Right In: 1319.913+/-0.293 χ^2/NDF: 5983139.3/23

Left Out: 708.503+/-0.118 χ^2/NDF:700473.3/23

Right Out: 1143.186+/-0.263 χ^2/NDF: 8962581.4/26

Left In: 714.162+/-0.119 χ^2/NDF:497246.5/22

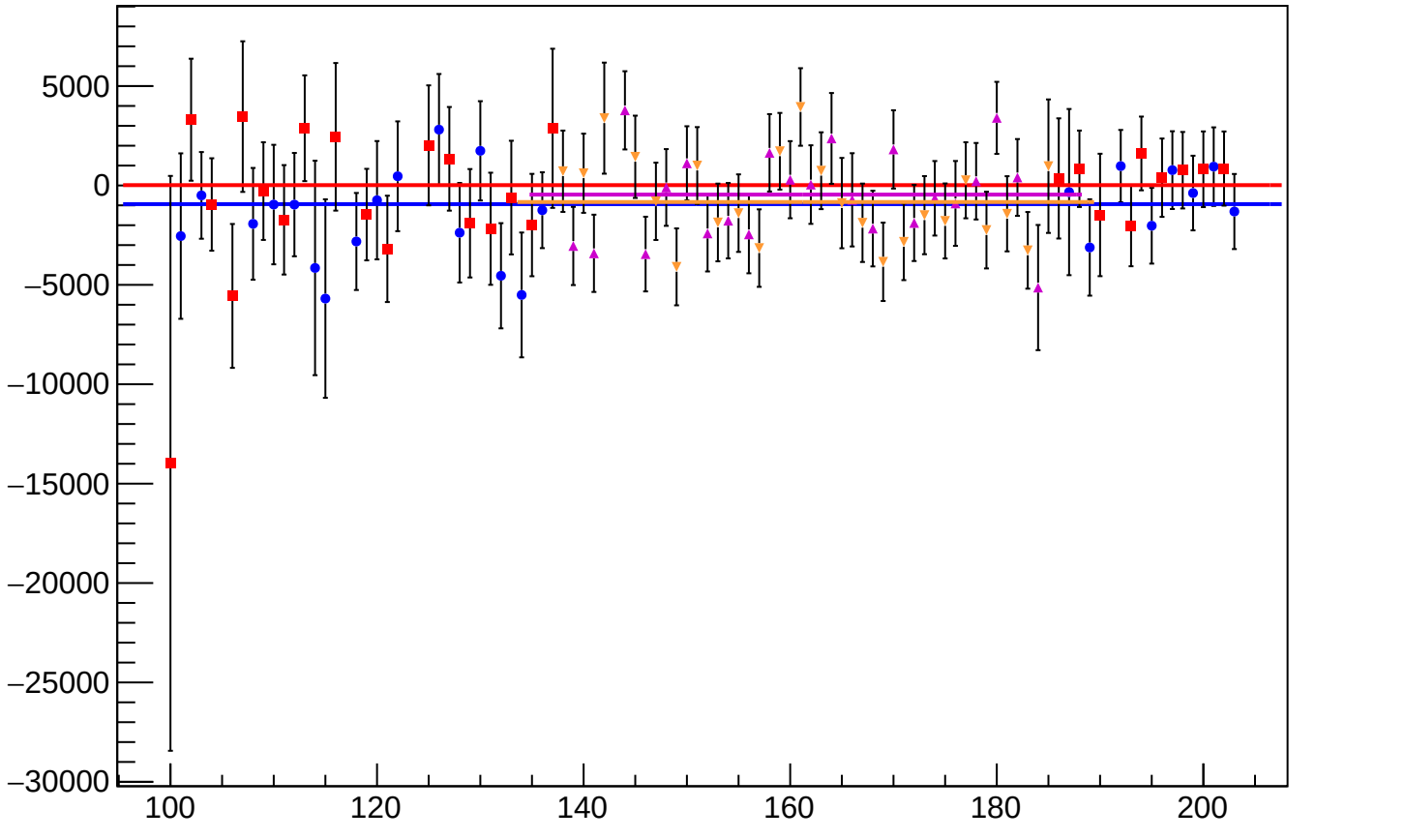
Left: 711.301+/-0.084 χ^2/NDF: 1198862.9/46

Right: 1222.081+/-0.196 χ^2/NDF: 15146563.5/50

In: 799.756+/-0.110 χ^2/NDF:10140531.6/46

Out: 780.811+/-0.107 χ^2/NDF:11932036.9/50

All: 790.038+/-0.077 χ^2/NDF: 22087703.2/97



Right In: -938.531+/-500.438 χ^2/NDF: 13.8/23

Left Out: -832.476+/-410.448 χ^2/NDF:25.4/23

Right Out: 16.530+/-485.487 χ^2/NDF: 15.0/26

Left In: -459.554+/-413.637 χ^2/NDF:27.3/22

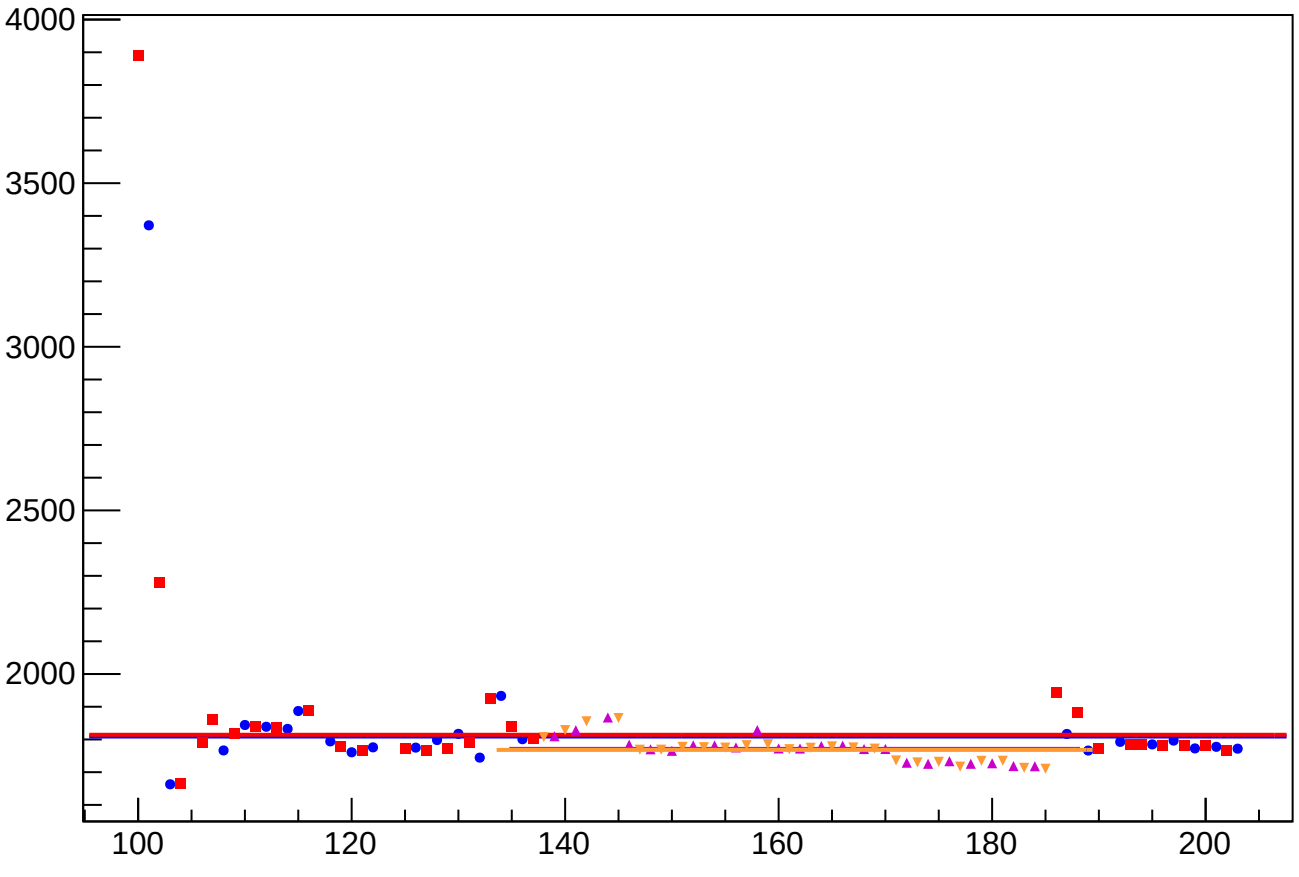
Left: -647.458+/-291.352 χ^2/NDF: 53.1/46

Right: -446.521+/-348.457 χ^2/NDF: 30.7/50

In: -653.965+/-318.826 χ^2/NDF:41.6/46

Out: -478.587+/-313.441 χ^2/NDF:42.2/50

All: -564.782+/-223.516 χ^2/NDF: 84.0/97



Right In: 1809.000+/-0.354 χ^2/NDF: 301079.6/23

Left Out: 1768.125+/-0.290 χ^2/NDF:16358.2/23

Right Out: 1814.313+/-0.343 χ^2/NDF: 113720.6/26

Left In: 1771.217+/-0.292 χ^2/NDF:16425.7/22

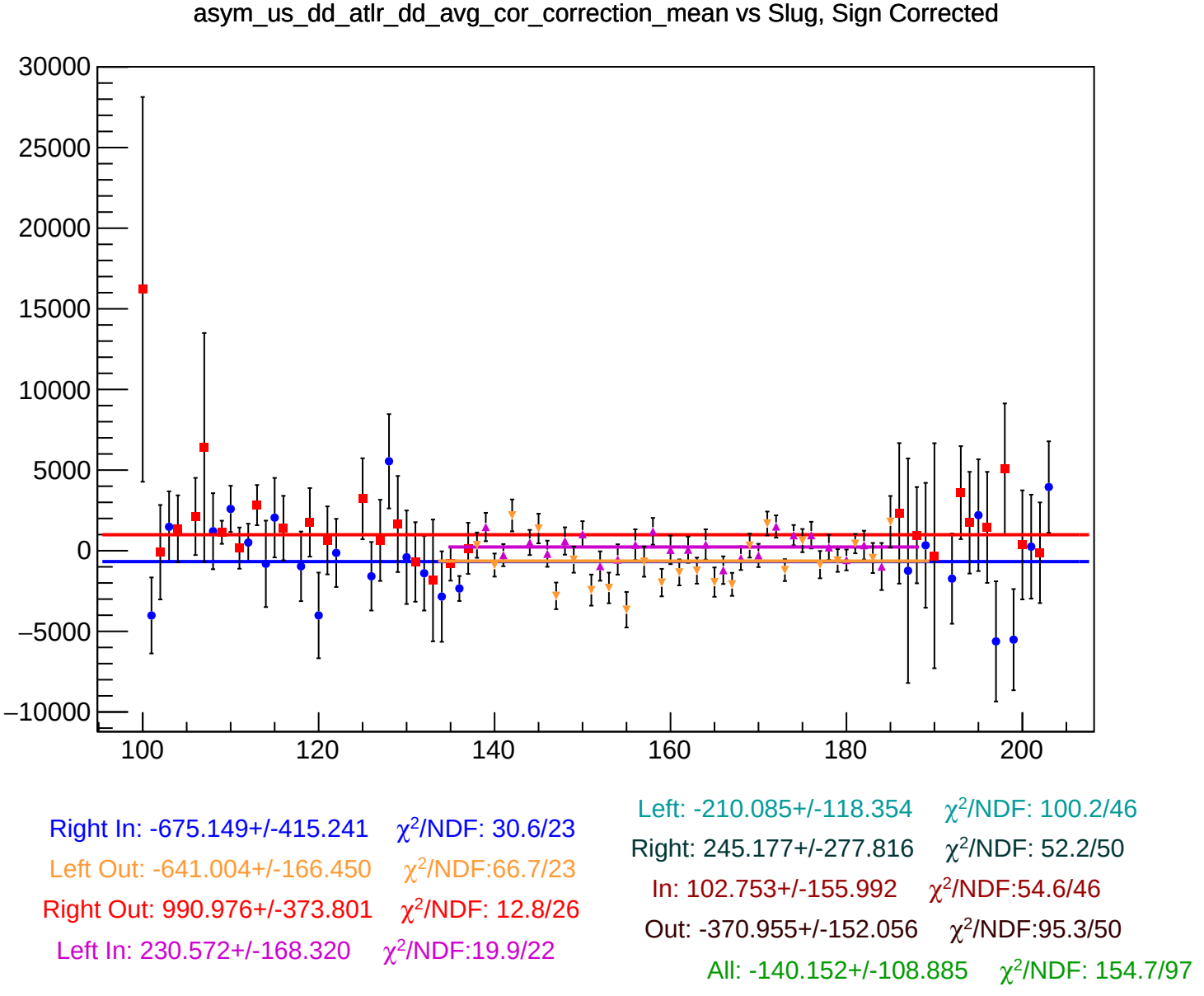
Left: 1769.659+/-0.206 χ^2/NDF: 32840.2/46

Right: 1811.737+/-0.246 χ^2/NDF: 414916.3/50

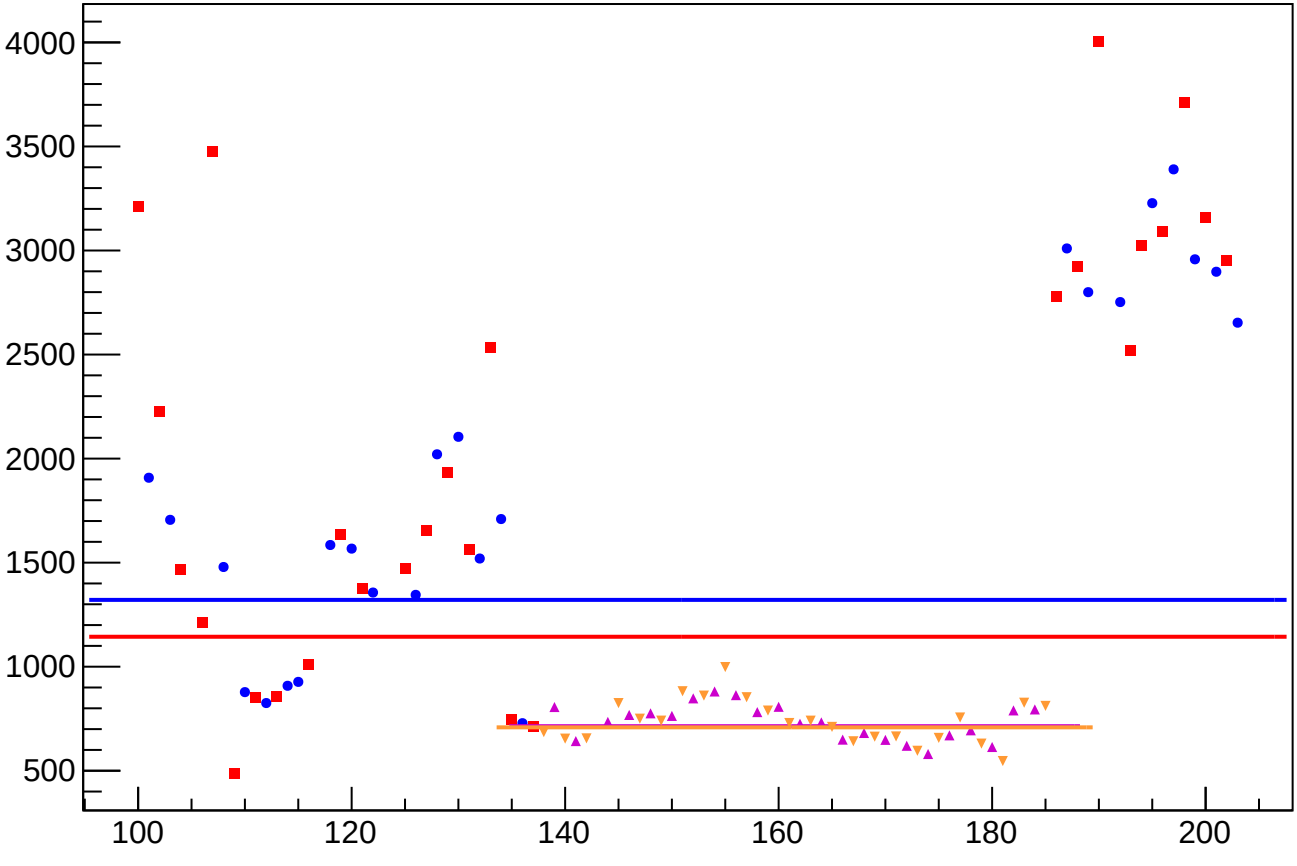
In: 1786.553+/-0.225 χ^2/NDF:324278.4/46

Out: 1787.378+/-0.222 χ^2/NDF:140635.3/50

All: 1786.972+/-0.158 χ^2/NDF: 464920.5/97


asym_us_dd_atlr_dd_avg_cor_correction_mean vs Slug, Sign Corrected
30000
25000
20000
15000
10000
5000
0
−5000
−10000
100
120
140
160
180
200
Right In: -675.149+/-415.241 χ²/NDF: 30.6/23
Left Out: -641.004+/-166.450 χ²/NDF:66.7/23
Right Out: 990.976+/-373.801 χ²/NDF: 12.8/26
Left In: 230.572+/-168.320 χ²/NDF:19.9/22
Left: -210.085+/-118.354 χ²/NDF: 100.2/46
Right: 245.177+/-277.816 χ²/NDF: 52.2/50
In: 102.753+/-155.992 χ²/NDF:54.6/46
Out: -370.955+/-152.056 χ²/NDF:95.3/50
All: -140.152+/-108.885 χ²/NDF: 154.7/97

asym_us_dd_atlr_dd_avg_cor_correction_rms vs Slug, Sign Corrected



Right In: 1321.043+/-0.294 χ^2/NDF: 5994561.4/23

Left Out: 708.508+/-0.118 χ^2/NDF:700448.7/23

Right Out: 1143.893+/-0.264 χ^2/NDF: 8962687.8/26

Left In: 714.168+/-0.119 χ^2/NDF:497252.3/22

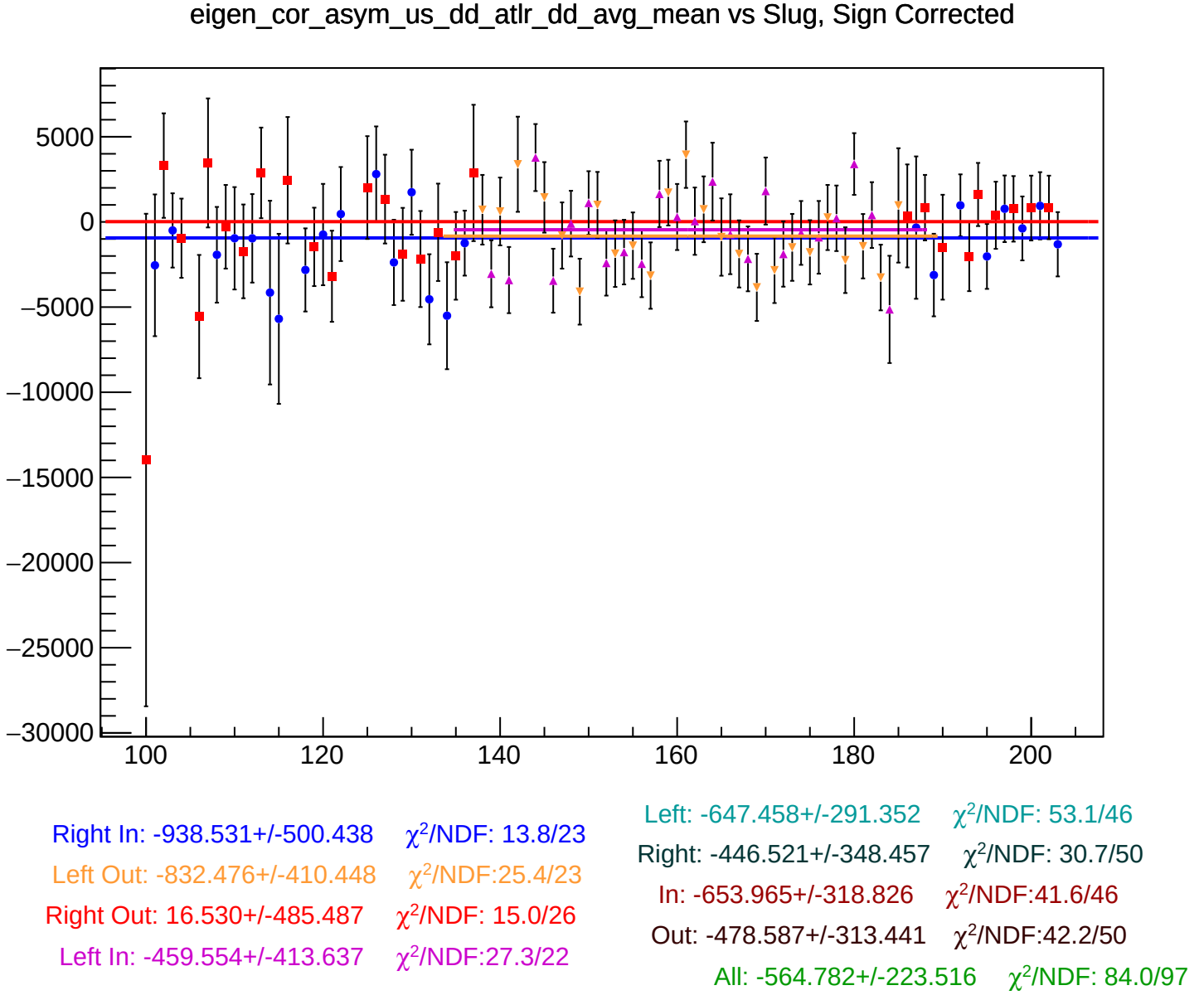
Left: 711.307+/-0.084 χ^2/NDF: 1198844.2/46

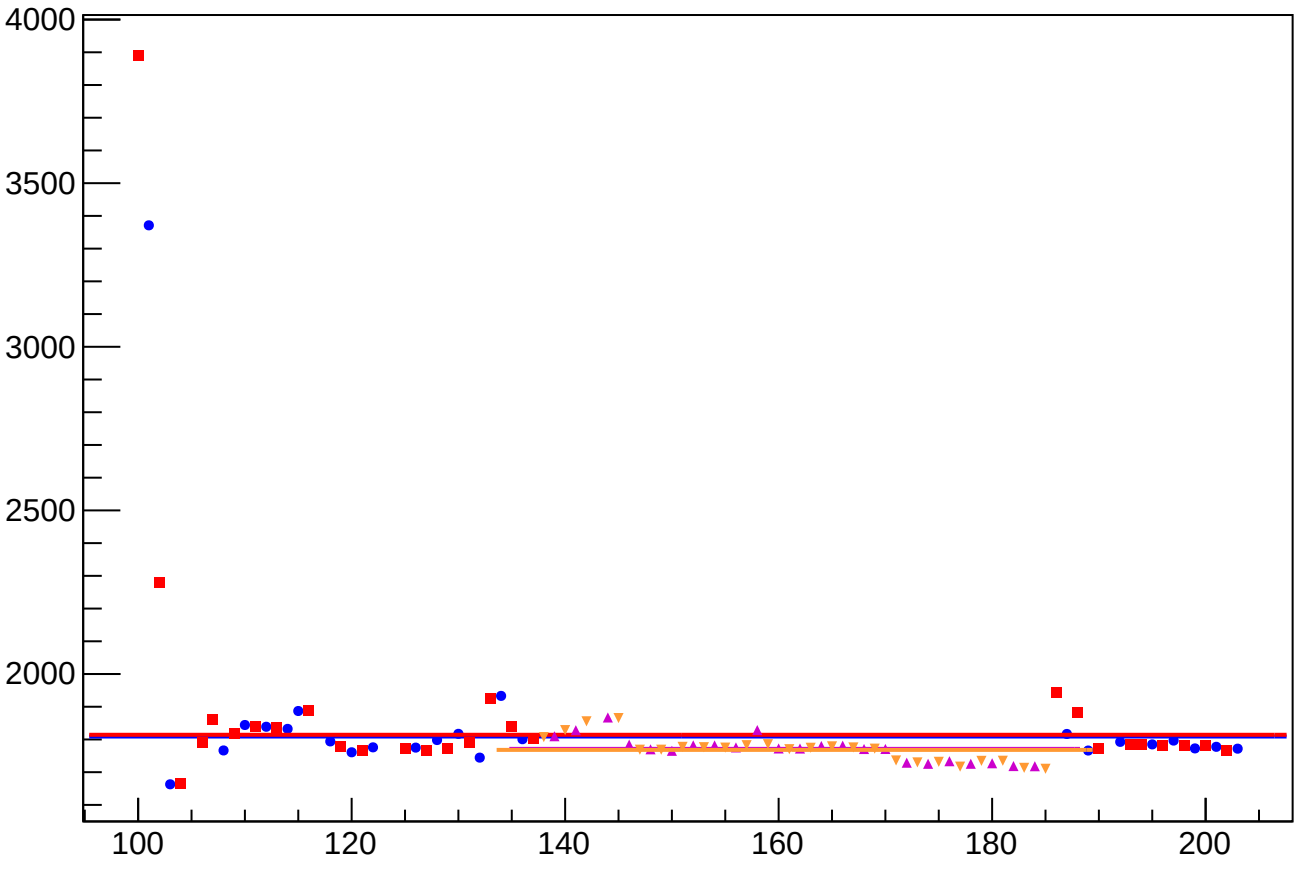
Right: 1223.190+/-0.196 χ^2/NDF: 15158317.1/50

In: 799.813+/-0.110 χ^2/NDF:10160891.0/46

Out: 780.553+/-0.108 χ^2/NDF:11927443.1/50

All: 789.937+/-0.077 χ^2/NDF: 22103967.8/97


eigen_cor_asym_us_dd_atlr_dd_avg_mean vs Slug, Sign Corrected
5000
0
−5000
−10000
−15000
−20000
−25000
−30000
100
120
140
160
180
200
Right In: -938.531+/-500.438 χ²/NDF: 13.8/23
Left Out: -832.476+/-410.448 χ²/NDF:25.4/23
Right Out: 16.530+/-485.487 χ²/NDF: 15.0/26
Left In: -459.554+/-413.637 χ²/NDF:27.3/22
Left: -647.458+/-291.352 χ²/NDF: 53.1/46
Right: -446.521+/-348.457 χ²/NDF: 30.7/50
In: -653.965+/-318.826 χ²/NDF:41.6/46
Out: -478.587+/-313.441 χ²/NDF:42.2/50
All: -564.782+/-223.516 χ²/NDF: 84.0/97



Right In: 1809.000+/-0.354 χ^2/NDF: 301079.6/23

Left Out: 1768.125+/-0.290 χ^2/NDF:16358.2/23

Right Out: 1814.313+/-0.343 χ^2/NDF: 113720.6/26

Left In: 1771.217+/-0.292 χ^2/NDF:16425.7/22

Left: 1769.659+/-0.206 χ^2/NDF: 32840.2/46

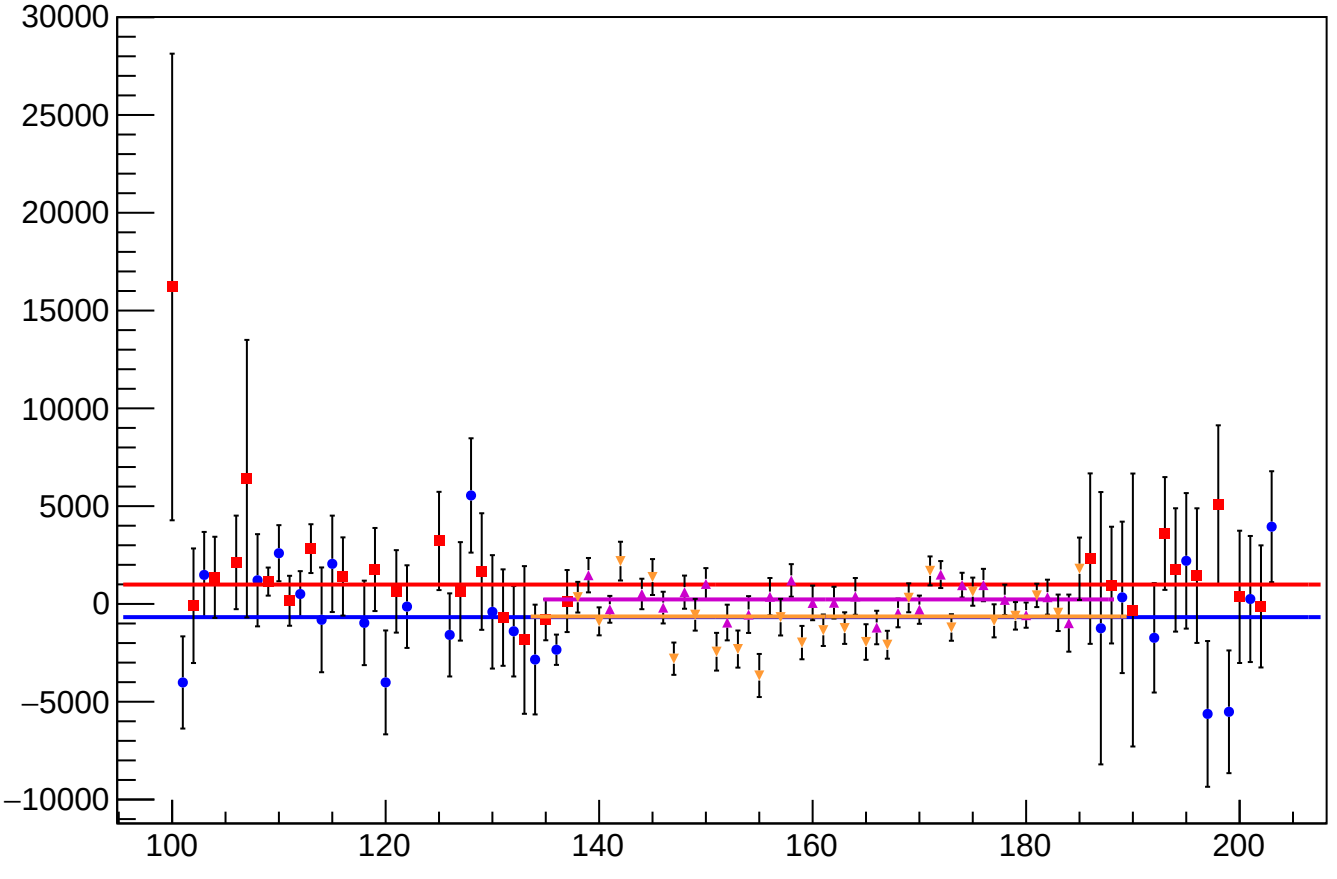
Right: 1811.737+/-0.246 χ^2/NDF: 414916.3/50

In: 1786.553+/-0.225 χ^2/NDF:324278.4/46

Out: 1787.378+/-0.222 χ^2/NDF:140635.3/50

All: 1786.972+/-0.158 χ^2/NDF: 464920.5/97

asym_us_dd_atlr_dd_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -675.149+/-415.241 χ^2/NDF: 30.6/23

Left Out: -641.004+/-166.450 χ^2/NDF:66.7/23

Right Out: 990.976+/-373.801 χ^2/NDF: 12.8/26

Left In: 230.572+/-168.320 χ^2/NDF:19.9/22

Left: -210.085+/-118.354 χ^2/NDF: 100.2/46

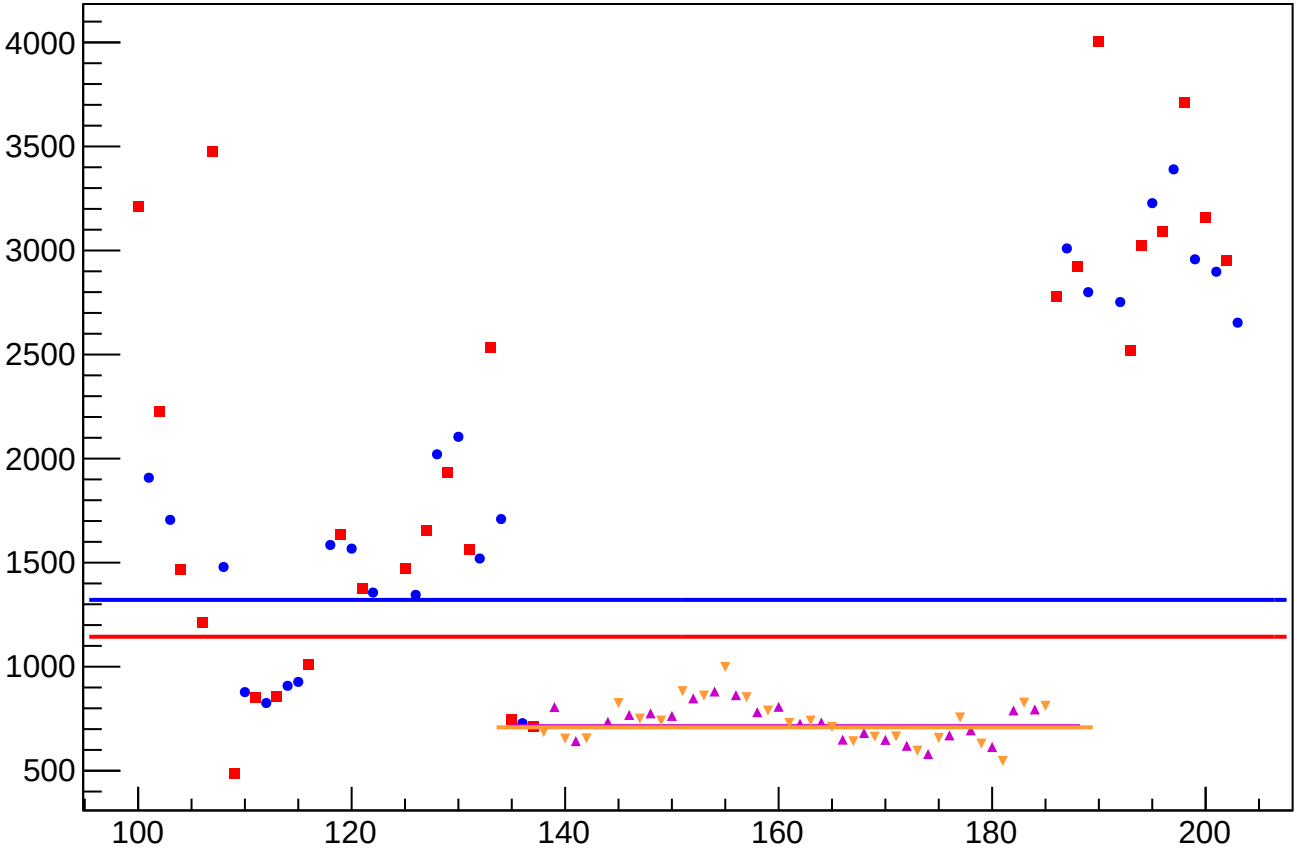
Right: 245.177+/-277.816 χ^2/NDF: 52.2/50

In: 102.753+/-155.992 χ^2/NDF:54.6/46

Out: -370.955+/-152.056 χ^2/NDF:95.3/50

All: -140.152+/-108.885 χ^2/NDF: 154.7/97

asym_us_dd_atlr_dd_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 1321.043+/-0.294 χ^2/NDF: 5994561.4/23

Left Out: 708.508+/-0.118 χ^2/NDF:700448.7/23

Right Out: 1143.893+/-0.264 χ^2/NDF: 8962687.8/26

Left In: 714.168+/-0.119 χ^2/NDF:497252.3/22

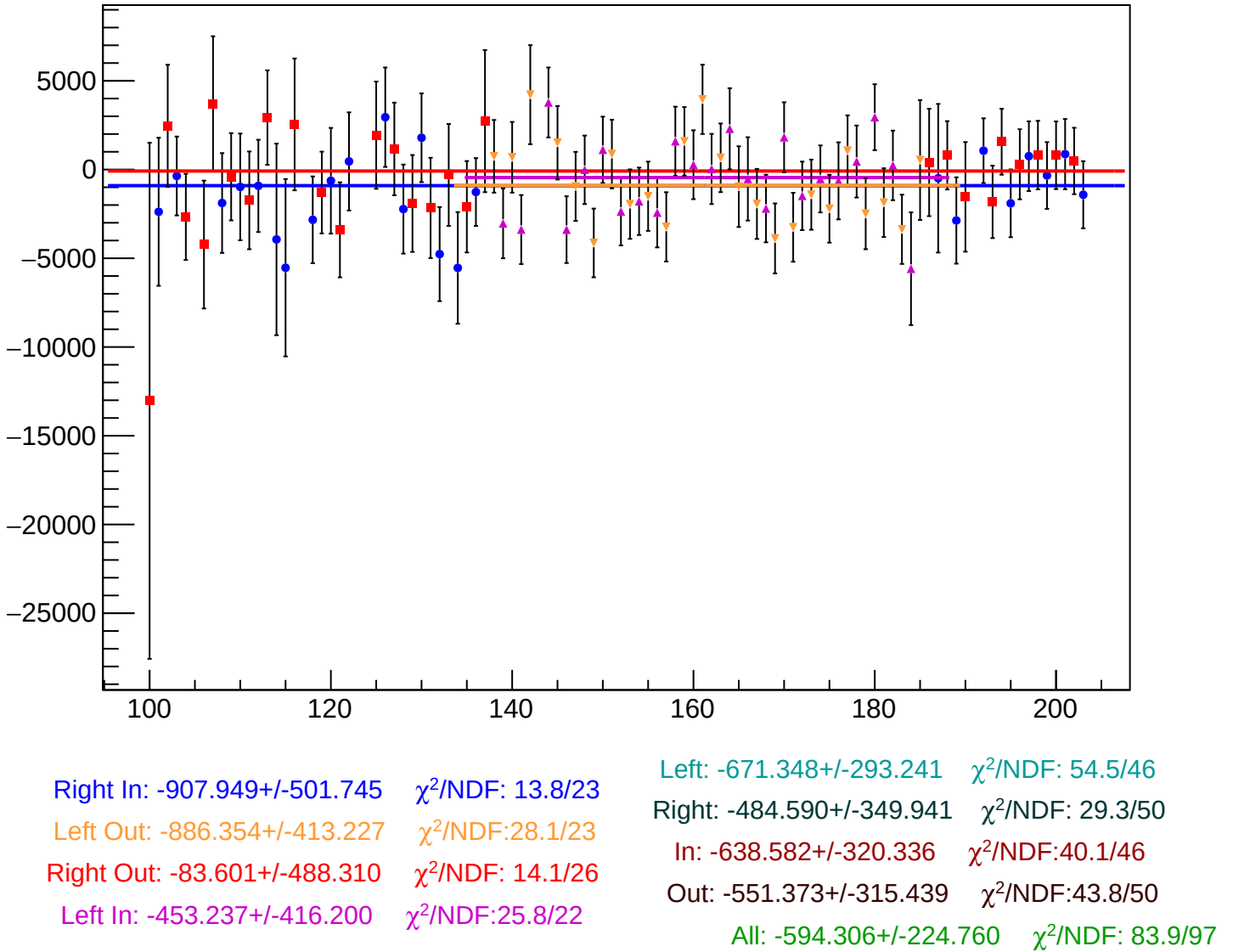
Left: 711.307+/-0.084 χ^2/NDF: 1198844.2/46

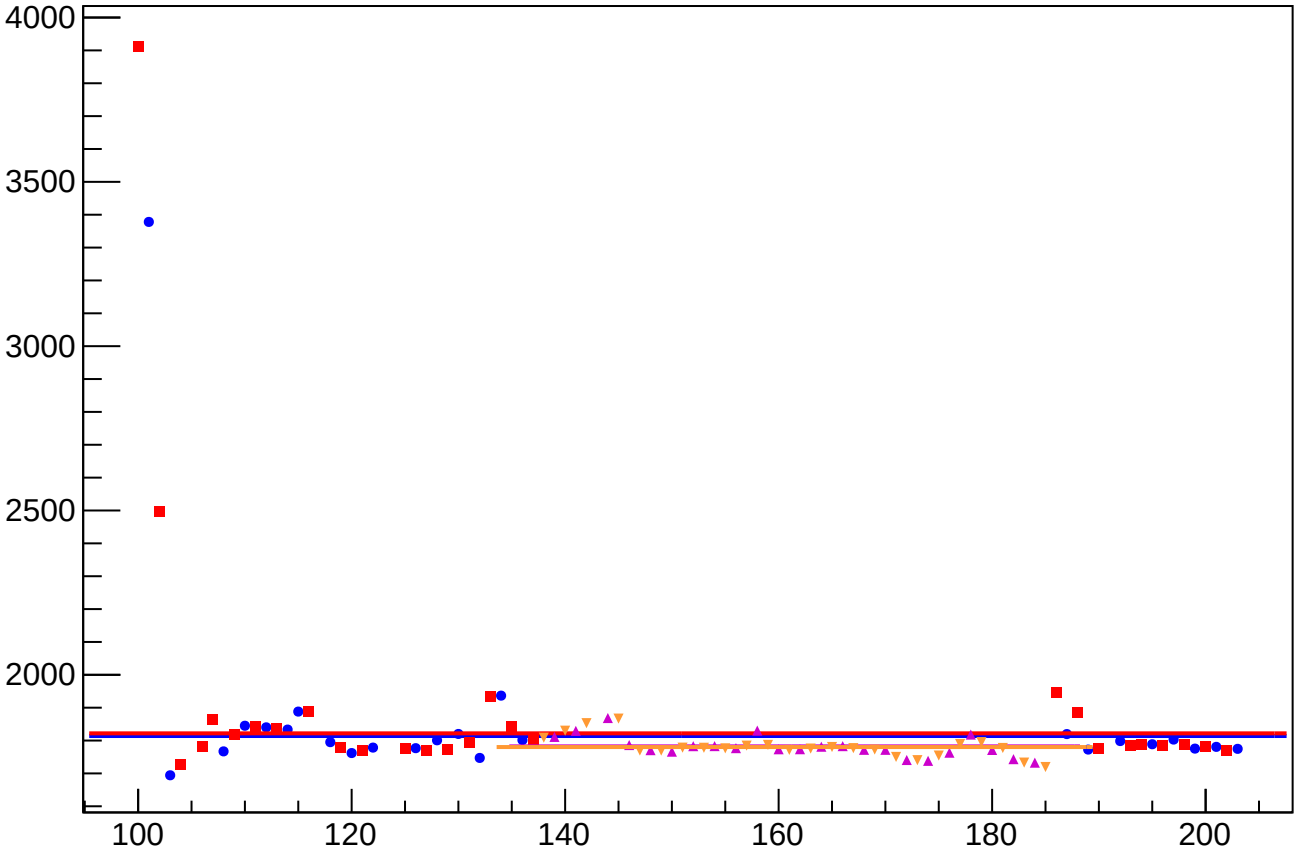
Right: 1223.190+/-0.196 χ^2/NDF: 15158317.1/50

In: 799.813+/-0.110 χ^2/NDF:10160891.0/46

Out: 780.553+/-0.108 χ^2/NDF:11927443.1/50

All: 789.937+/-0.077 χ^2/NDF: 22103967.8/97


dit_asym_us_dd_atlr_dd_avg_mean vs Slug, Sign Corrected
5000
0
−5000
−10000
−15000
−20000
−25000
100
120
140
160
180
200
Right In: -907.949+/-501.745 χ²/NDF: 13.8/23
Left Out: -886.354+/-413.227 χ²/NDF:28.1/23
Right Out: -83.601+/-488.310 χ²/NDF: 14.1/26
Left In: -453.237+/-416.200 χ²/NDF:25.8/22
Left: -671.348+/-293.241 χ²/NDF: 54.5/46
Right: -484.590+/-349.941 χ²/NDF: 29.3/50
In: -638.582+/-320.336 χ²/NDF:40.1/46
Out: -551.373+/-315.439 χ²/NDF:43.8/50
All: -594.306+/-224.760 χ²/NDF: 83.9/97



Right In: 1813.785+/-0.355 χ^2/NDF: 297833.3/23

Left Out: 1780.220+/-0.292 χ^2/NDF:10380.2/23

Right Out: 1821.915+/-0.345 χ^2/NDF: 140420.9/26

Left In: 1782.298+/-0.294 χ^2/NDF:11232.1/22

Left: 1781.252+/-0.207 χ^2/NDF: 21637.4/46

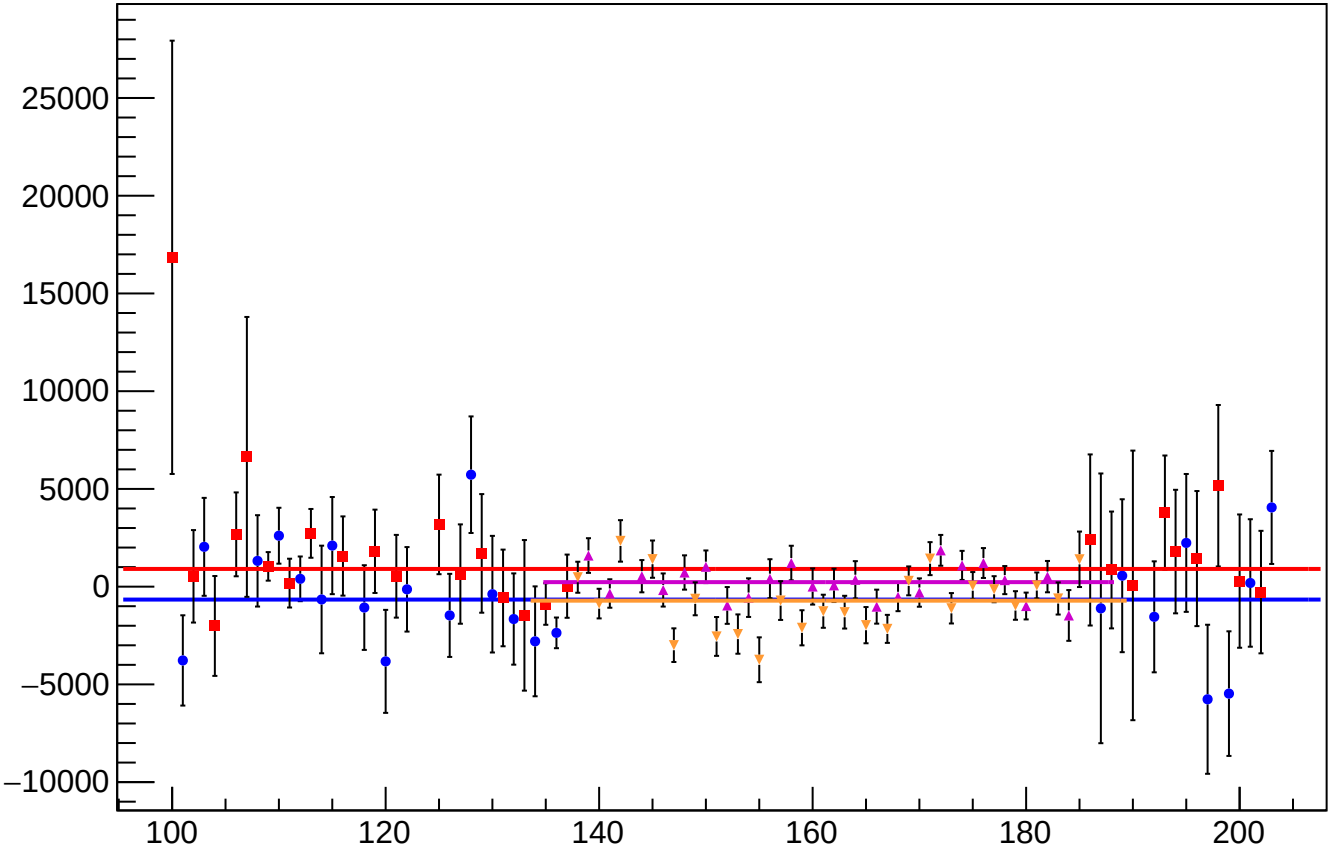
Right: 1817.960+/-0.247 χ^2/NDF: 438523.9/50

In: 1795.132+/-0.227 χ^2/NDF:313731.2/46

Out: 1797.619+/-0.223 χ^2/NDF:159297.6/50

All: 1796.395+/-0.159 χ^2/NDF: 473090.0/97

asym_us_dd_atlr_dd_avg_dit_correction_mean vs Slug, Sign Corrected



Right In: -660.904+/-418.814 χ^2/NDF: 30.4/23

Left Out: -716.600+/-170.602 χ^2/NDF:59.4/23

Right Out: 906.593+/-376.057 χ^2/NDF: 14.7/26

Left In: 231.320+/-173.436 χ^2/NDF:24.1/22

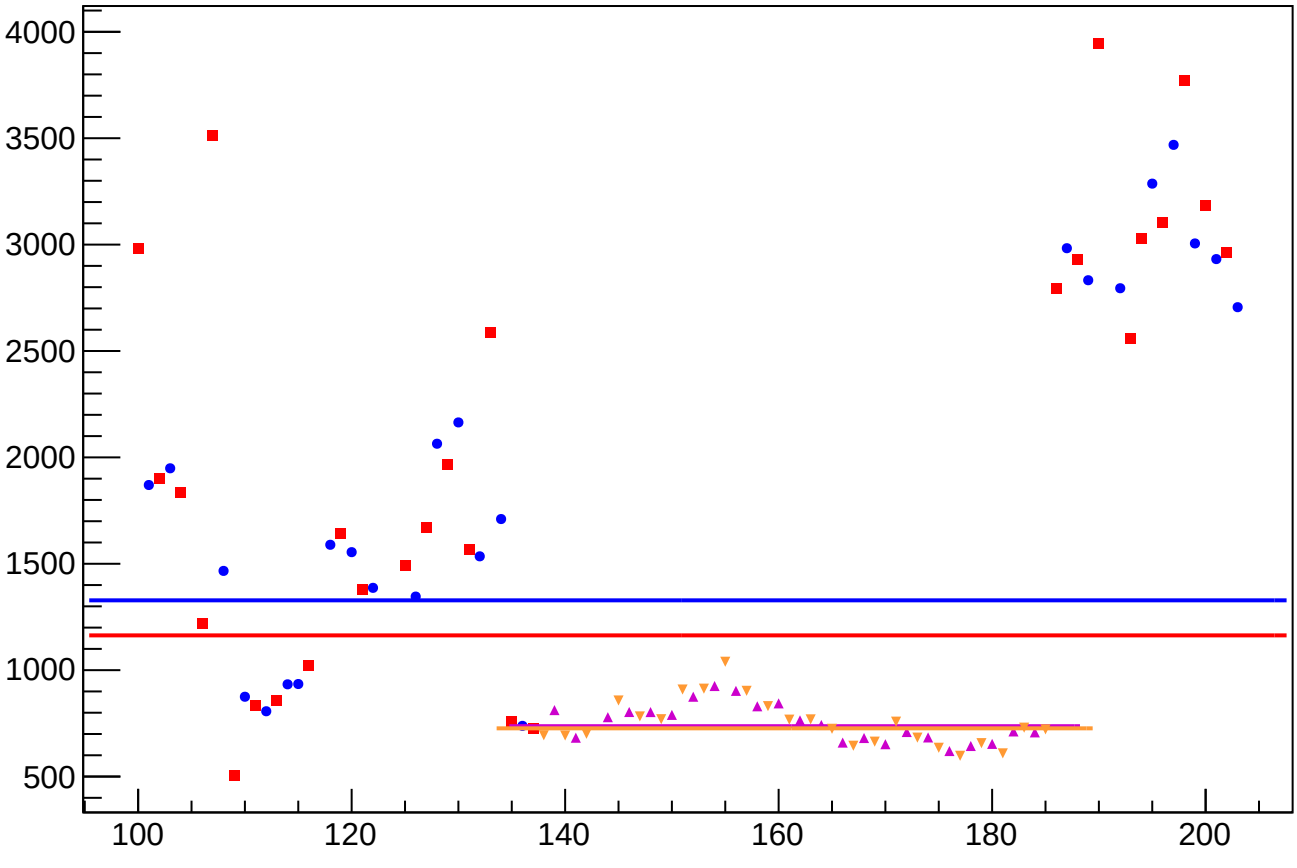
Left: -250.446+/-121.623 χ^2/NDF: 98.6/46

Right: 206.919+/-279.811 χ^2/NDF: 52.9/50

In: 100.712+/-160.239 χ^2/NDF:58.4/46

Out: -439.551+/-155.362 χ^2/NDF:89.5/50

All: -177.766+/-111.542 χ^2/NDF: 153.8/97



Right In: 1328.165+/-0.296 χ^2/NDF: 6138481.4/23

Left Out: 726.604+/-0.121 χ^2/NDF:684784.1/23

Right Out: 1163.482+/-0.266 χ^2/NDF: 8879316.3/26

Left In: 736.709+/-0.123 χ^2/NDF:465041.6/22

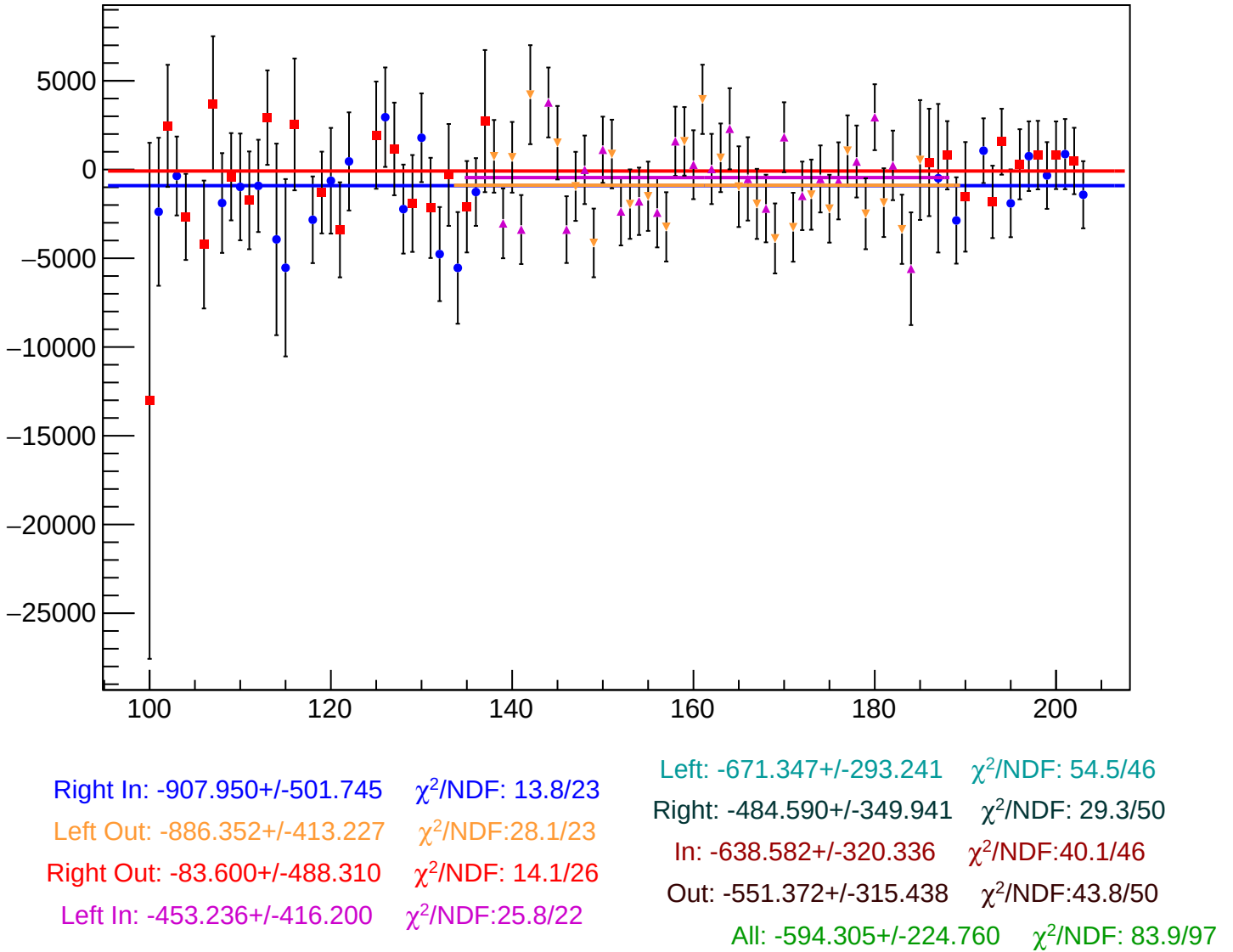
Left: 731.574+/-0.086 χ^2/NDF: 1153276.2/46

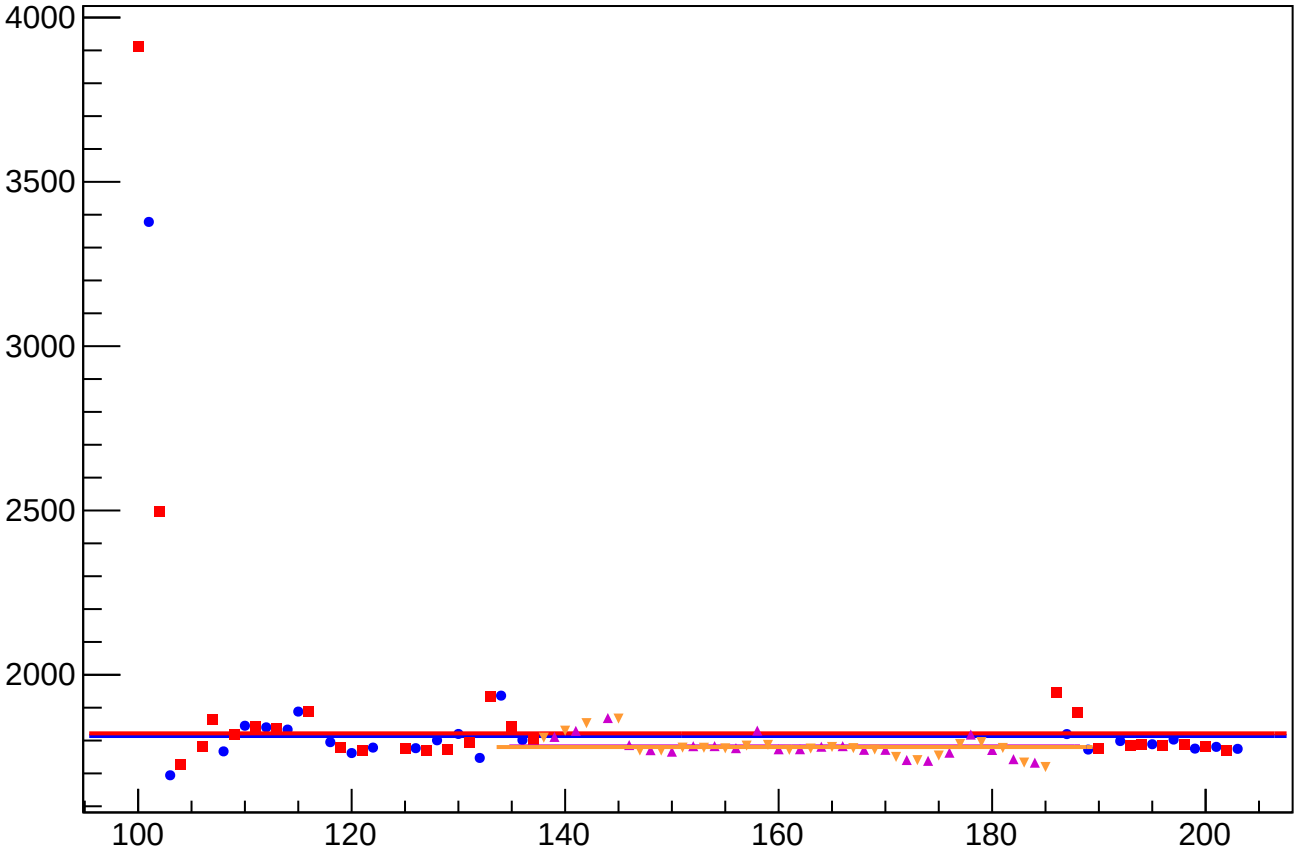
Right: 1236.991+/-0.198 χ^2/NDF: 15188999.2/50

In: 823.290+/-0.113 χ^2/NDF:10008344.5/46

Out: 801.171+/-0.110 χ^2/NDF:11802643.8/50

All: 811.889+/-0.079 χ^2/NDF: 21830630.3/97


eigen_dit_asym_us_dd_atlr_dd_avg_mean vs Slug, Sign Corrected
5000
0
−5000
−10000
−15000
−20000
−25000
100
120
140
160
180
200
Right In: -907.950+/-501.745 χ²/NDF: 13.8/23
Left Out: -886.352+/-413.227 χ²/NDF:28.1/23
Right Out: -83.600+/-488.310 χ²/NDF: 14.1/26
Left In: -453.236+/-416.200 χ²/NDF:25.8/22
Left: -671.347+/-293.241 χ²/NDF: 54.5/46
Right: -484.590+/-349.941 χ²/NDF: 29.3/50
In: -638.582+/-320.336 χ²/NDF:40.1/46
Out: -551.372+/-315.438 χ²/NDF:43.8/50
All: -594.305+/-224.760 χ²/NDF: 83.9/97



Right In: 1813.785+/-0.355 χ^2/NDF: 297833.3/23

Left Out: 1780.220+/-0.292 χ^2/NDF:10380.2/23

Right Out: 1821.915+/-0.345 χ^2/NDF: 140421.0/26

Left In: 1782.298+/-0.294 χ^2/NDF:11232.1/22

Left: 1781.252+/-0.207 χ^2/NDF: 21637.4/46

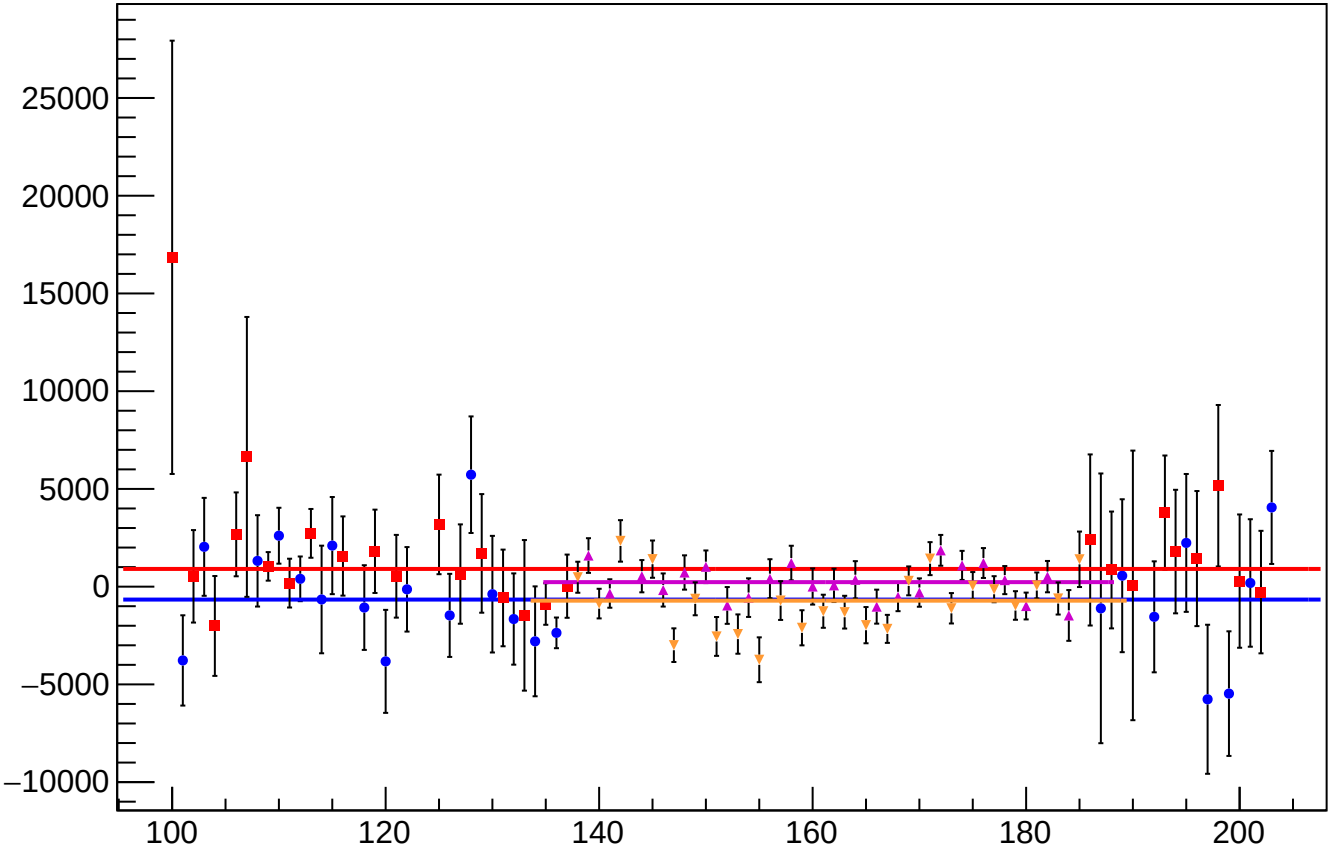
Right: 1817.960+/-0.247 χ^2/NDF: 438523.9/50

In: 1795.132+/-0.227 χ^2/NDF:313731.2/46

Out: 1797.619+/-0.223 χ^2/NDF:159297.8/50

All: 1796.395+/-0.159 χ^2/NDF: 473090.2/97

asym_us_dd_atlr_dd_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -660.892+/-418.814 χ^2/NDF: 30.4/23

Left Out: -716.601+/-170.602 χ^2/NDF:59.4/23

Right Out: 906.599+/-376.057 χ^2/NDF: 14.7/26

Left In: 231.318+/-173.435 χ^2/NDF:24.1/22

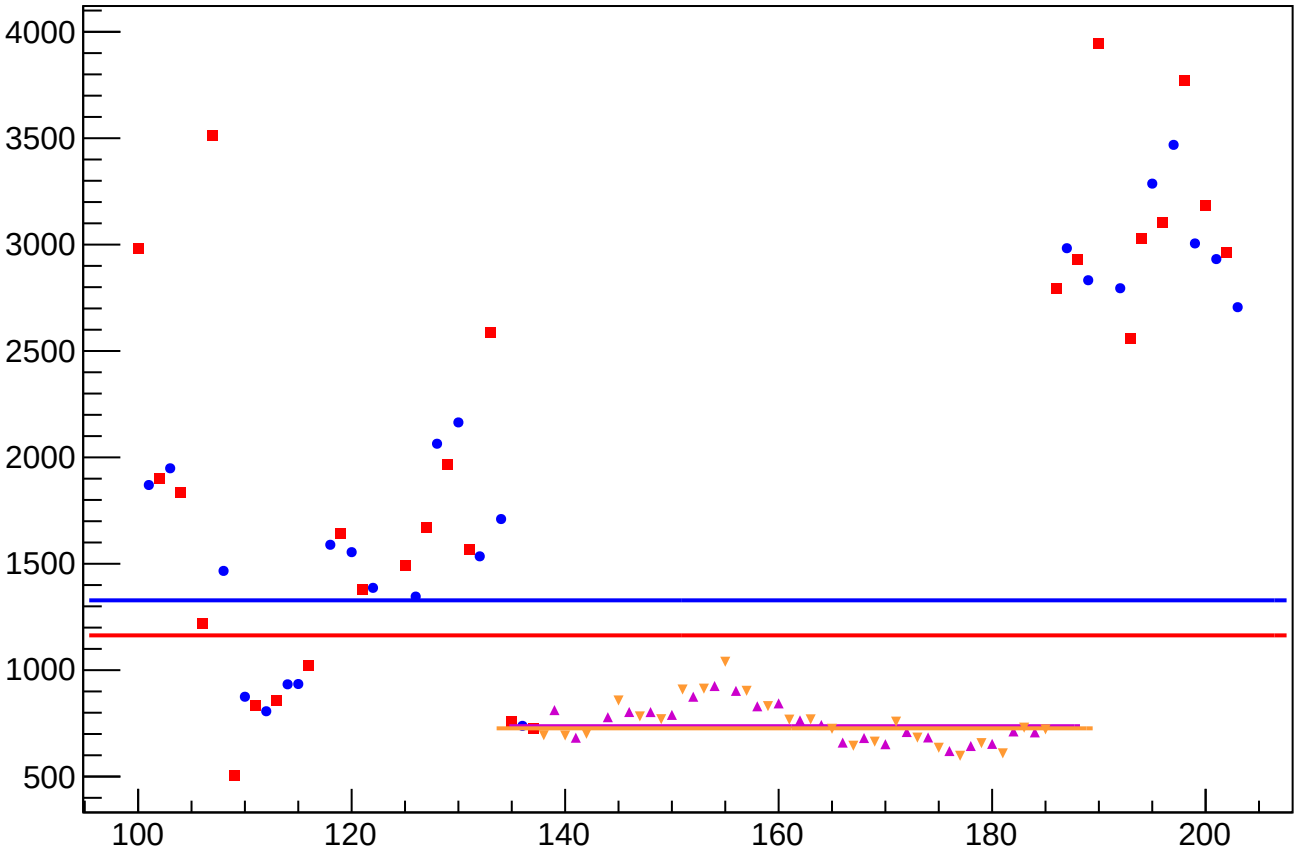
Left: -250.447+/-121.623 χ^2/NDF: 98.6/46

Right: 206.928+/-279.812 χ^2/NDF: 52.9/50

In: 100.712+/-160.239 χ^2/NDF:58.4/46

Out: -439.552+/-155.362 χ^2/NDF:89.5/50

All: -177.766+/-111.542 χ^2/NDF: 153.8/97



Right In: 1328.168+/-0.296 χ^2/NDF: 6138434.6/23

Left Out: 726.605+/-0.121 χ^2/NDF:684780.2/23

Right Out: 1163.485+/-0.266 χ^2/NDF: 8879280.1/26

Left In: 736.709+/-0.123 χ^2/NDF:465053.4/22

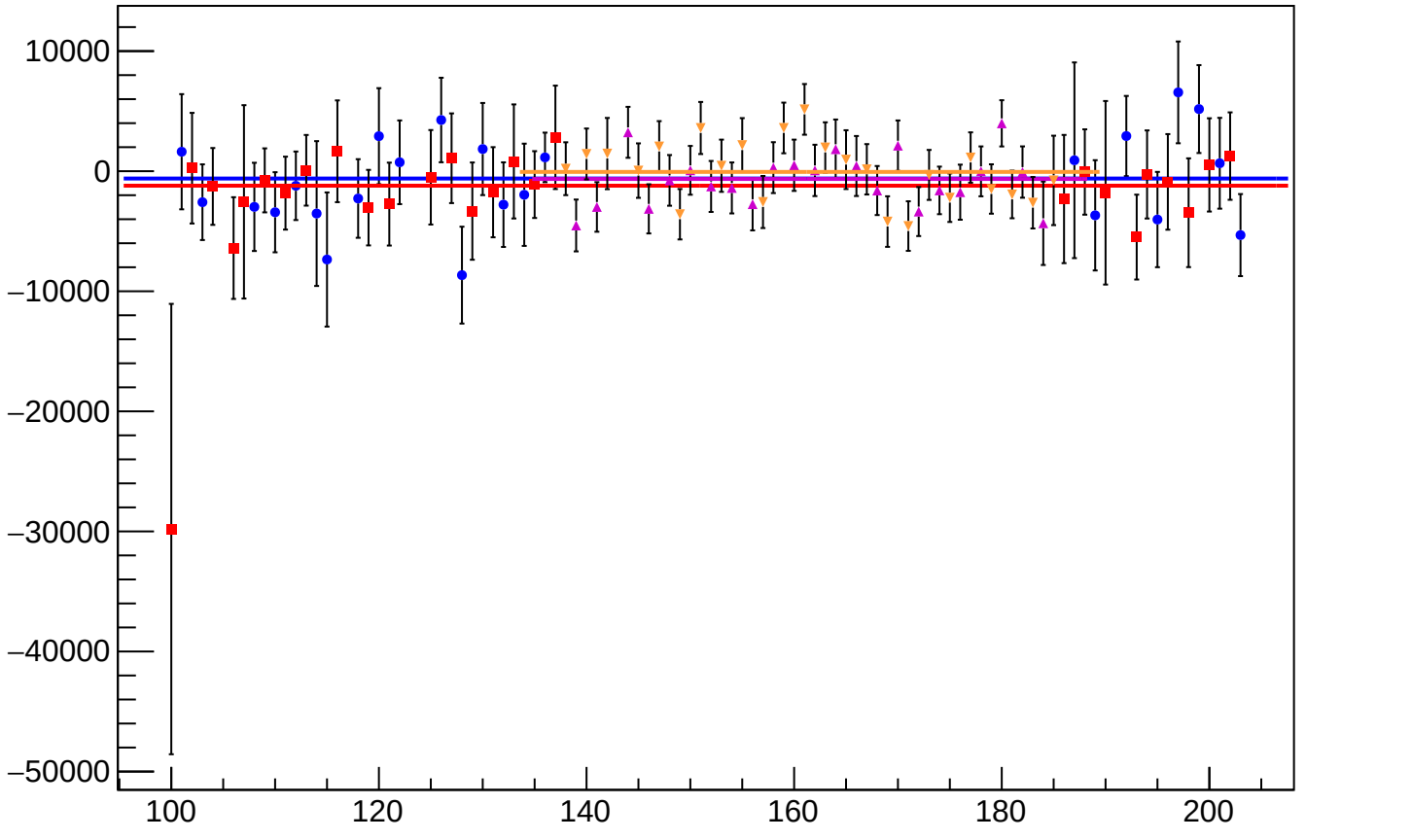
Left: 731.574+/-0.086 χ^2/NDF: 1153283.6/46

Right: 1236.993+/-0.198 χ^2/NDF: 15188916.5/50

In: 823.289+/-0.113 χ^2/NDF:10008344.2/46

Out: 801.172+/-0.110 χ^2/NDF:11802622.8/50

All: 811.889+/-0.079 χ^2/NDF: 21830607.5/97



Right In: -610.428+/-743.091 χ^2/NDF: 21.9/23

Left Out: -59.589+/-445.601 χ^2/NDF:33.0/23

Right Out: -1207.989+/-733.381 χ^2/NDF: 9.6/26

Left In: -646.910+/-448.538 χ^2/NDF:23.7/22

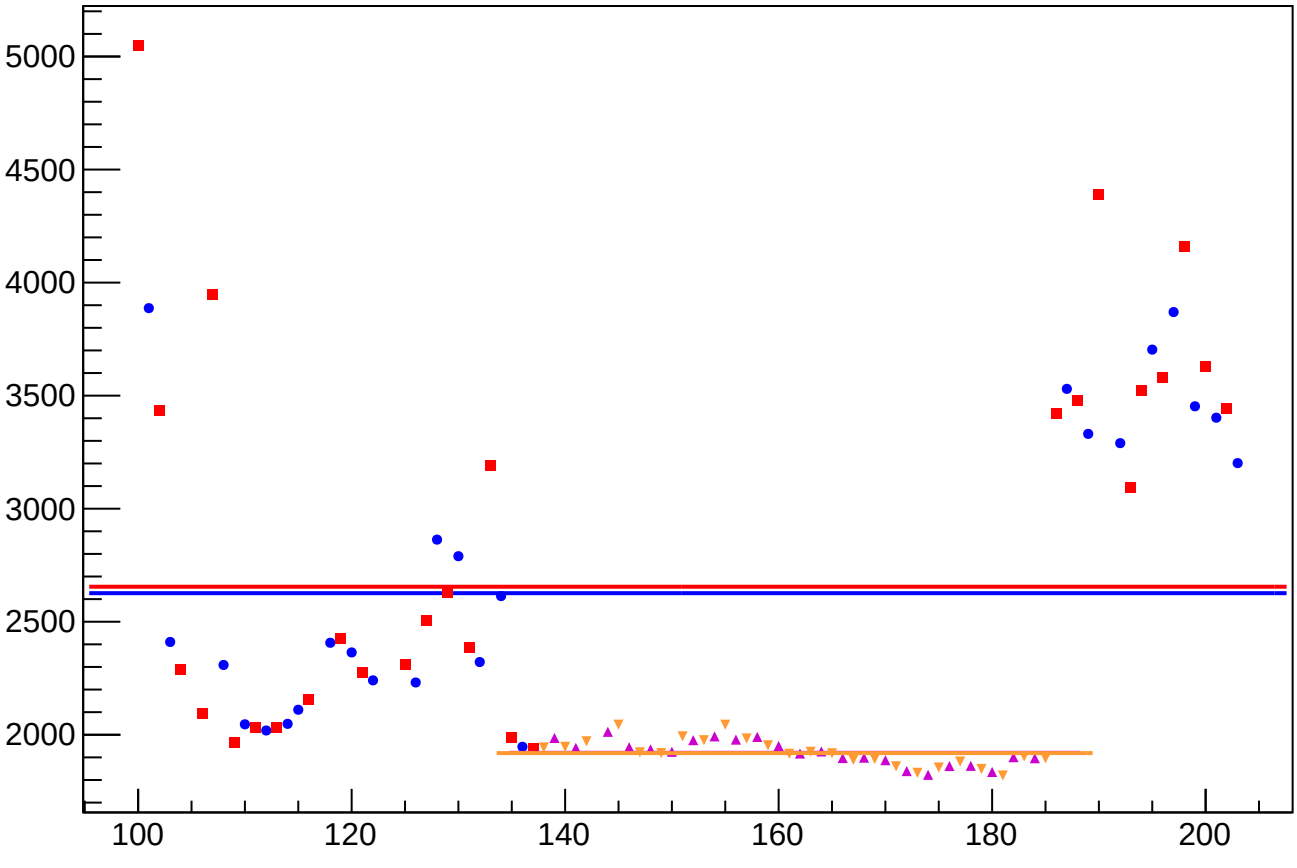
Left: -351.320+/-316.121 χ^2/NDF: 57.5/46

Right: -913.138+/-521.978 χ^2/NDF: 31.8/50

In: -637.167+/-384.005 χ^2/NDF:45.5/46

Out: -369.236+/-380.817 χ^2/NDF:44.3/50

All: -502.085+/-270.399 χ^2/NDF: 90.1/97



Right In: 2626.293+/-0.525 χ^2/NDF: 1371668.6/23

Left Out: 1918.975+/-0.315 χ^2/NDF:35574.5/23

Right Out: 2654.853+/-0.519 χ^2/NDF: 1741209.5/26

Left In: 1920.214+/-0.317 χ^2/NDF:29912.0/22

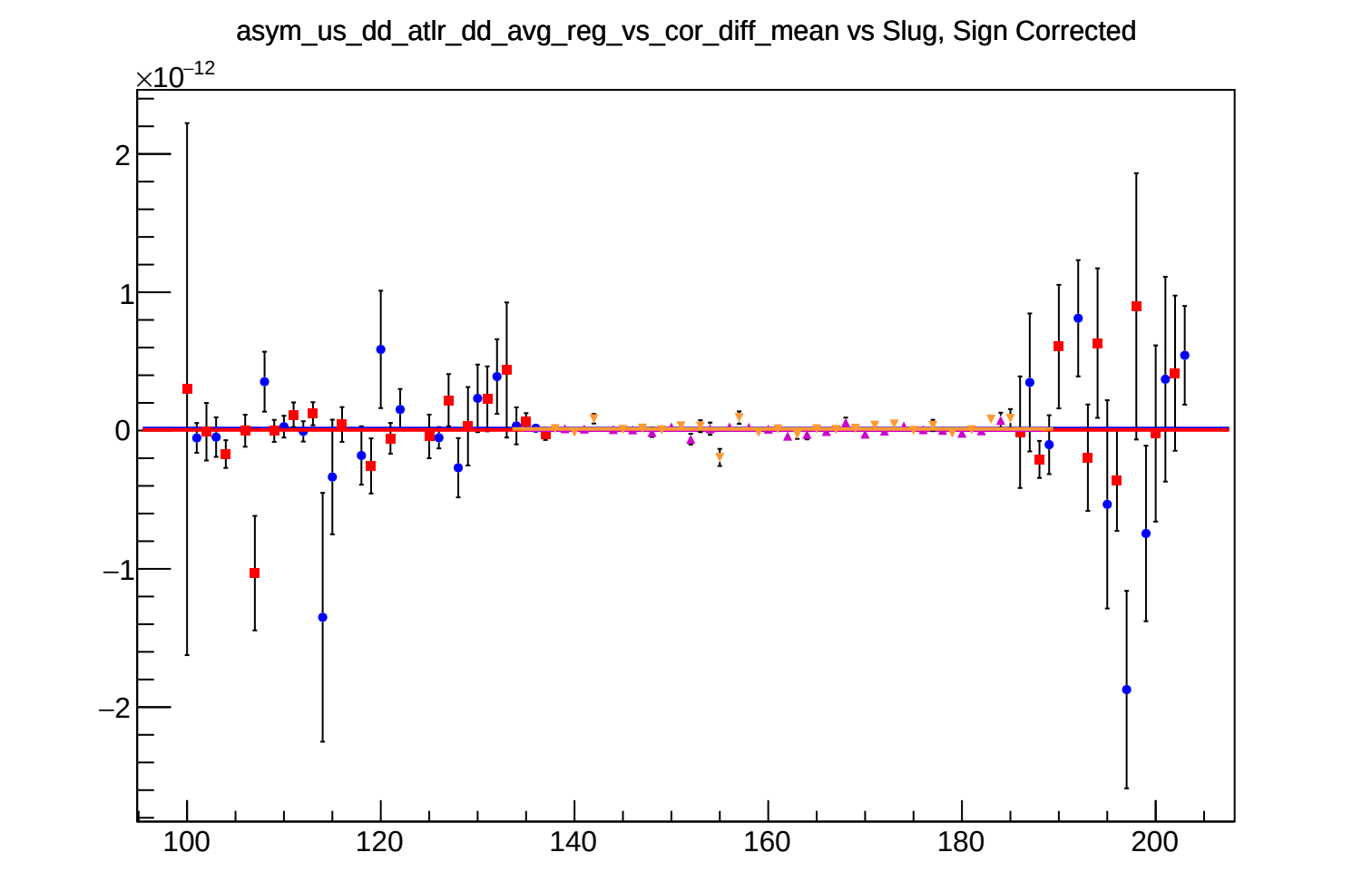
Left: 1919.591+/-0.224 χ^2/NDF: 65494.2/46

Right: 2640.761+/-0.369 χ^2/NDF: 3114374.7/50

In: 2108.772+/-0.272 χ^2/NDF:2725094.5/46

Out: 2117.395+/-0.269 χ^2/NDF:3247493.2/50

All: 2113.119+/-0.191 χ^2/NDF: 5973096.1/97



Right In: 0.000+/-0.000 χ^2/NDF: 30.7/23

Left Out: 0.000+/-0.000 χ^2/NDF:38.1/23

Right Out: 0.000+/-0.000 χ^2/NDF: 27.9/26

Left In: 0.000+/-0.000 χ^2/NDF:19.6/22

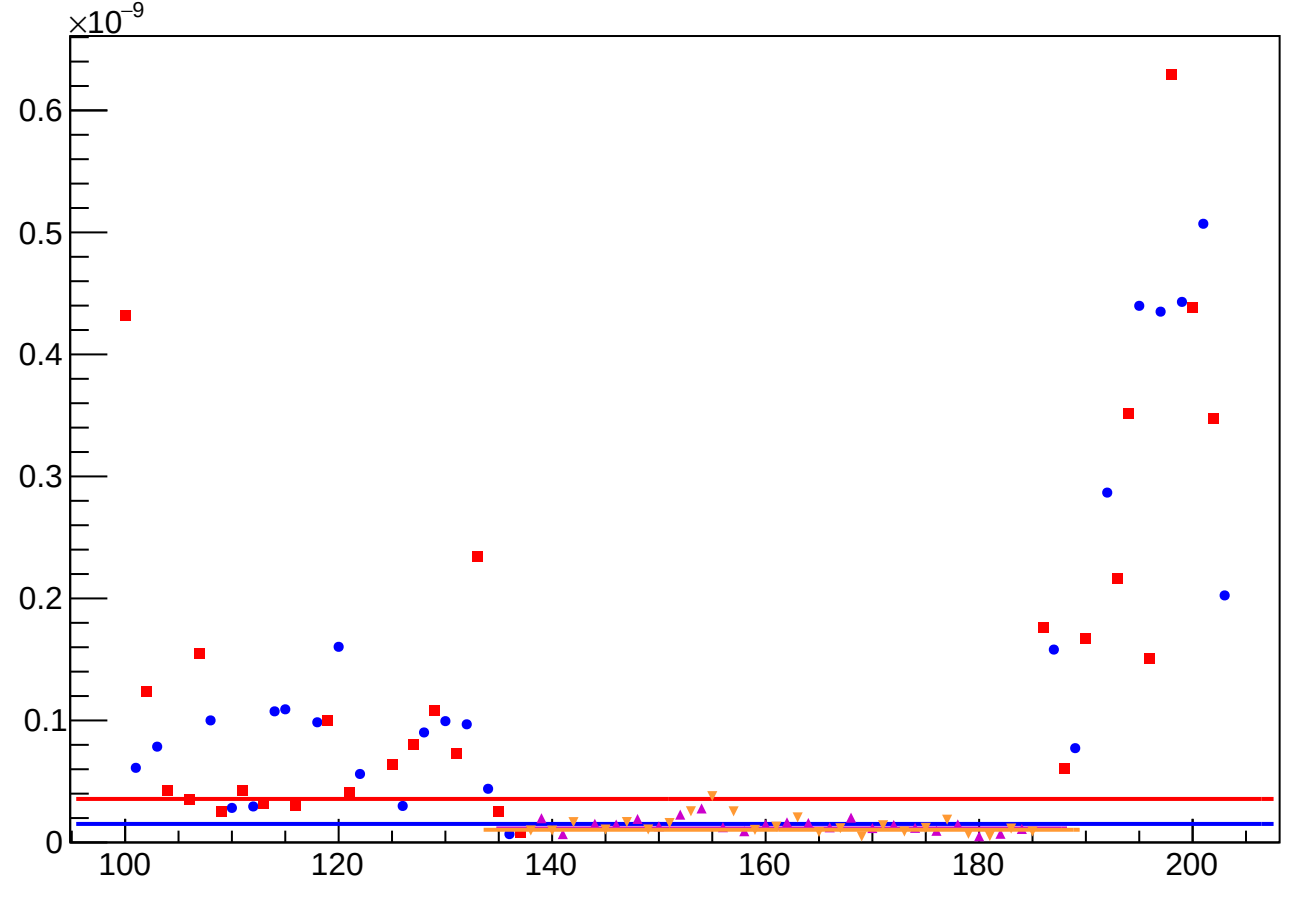
Left: 0.000+/-0.000 χ^2/NDF: 59.3/46

Right: 0.000+/-0.000 χ^2/NDF: 58.8/50

In: 0.000+/-0.000 χ^2/NDF:50.9/46

Out: 0.000+/-0.000 χ^2/NDF:66.1/50

All: 0.000+/-0.000 χ^2/NDF: 118.2/97



Right In: 0.000+/-0.000 χ^2/NDF: 8284542.0/23

Left Out: 0.000+/-0.000 χ^2/NDF:2075235.5/23

Right Out: 0.000+/-0.000 χ^2/NDF: 6427457.6/26

Left In: 0.000+/-0.000 χ^2/NDF:1894438.8/22

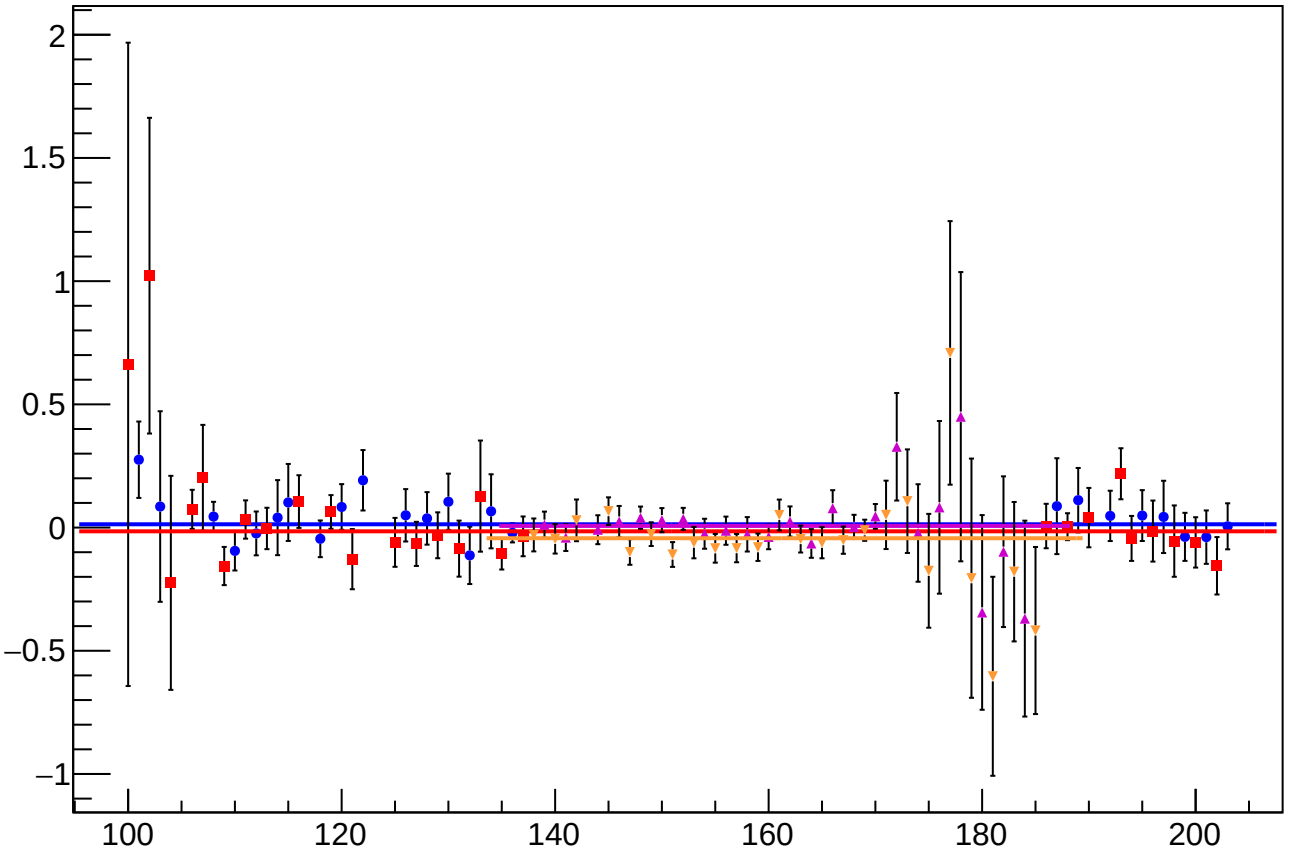
Left: 0.000+/-0.000 χ^2/NDF: 4014682.3/46

Right: 0.000+/-0.000 χ^2/NDF: 15837922.4/50

In: 0.000+/-0.000 χ^2/NDF:10305764.0/46

Out: 0.000+/-0.000 χ^2/NDF:10725835.8/50

All: 0.000+/-0.000 χ^2/NDF: 21042755.3/97



Right In: 0.013+/-0.019 χ^2/NDF: 13.2/23

Left Out: -0.043+/-0.014 χ^2/NDF:18.9/23

Right Out: -0.015+/-0.019 χ^2/NDF: 23.3/26

Left In: 0.007+/-0.014 χ^2/NDF:11.3/22

Left: -0.018+/-0.010 χ^2/NDF: 36.8/46

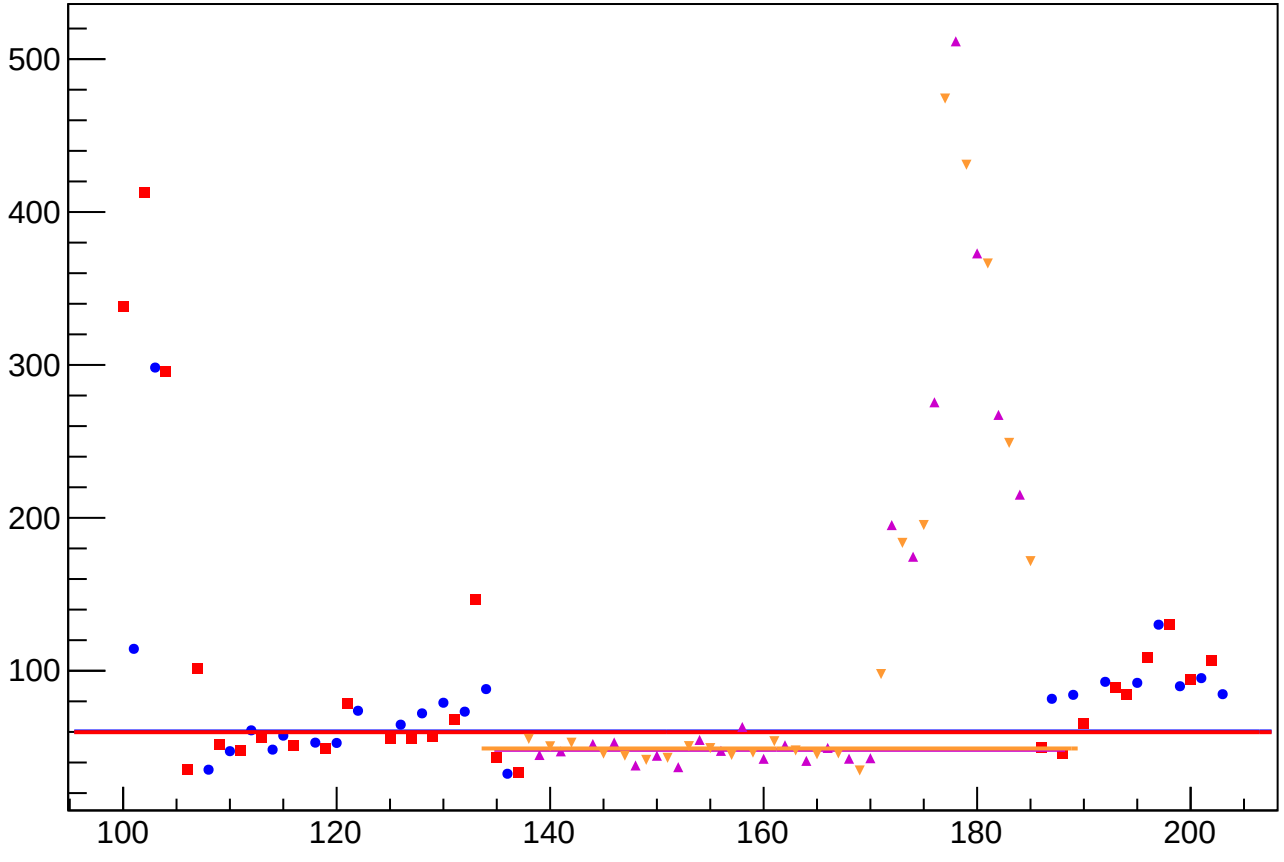
Right: -0.001+/-0.013 χ^2/NDF: 37.7/50

In: 0.009+/-0.011 χ^2/NDF:24.6/46

Out: -0.033+/-0.011 χ^2/NDF:43.7/50

All: -0.012+/-0.008 χ^2/NDF: 75.5/97

asym_us_dd_atlr_dd_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 60.304+/-0.014 χ^2/NDF: 4120634.1/23

Left Out: 49.180+/-0.010 χ^2/NDF:7250092.4/23

Right Out: 59.837+/-0.013 χ^2/NDF: 4198956.1/26

Left In: 48.307+/-0.010 χ^2/NDF:7040663.5/22

Left: 48.731+/-0.007 χ^2/NDF: 14294810.2/46

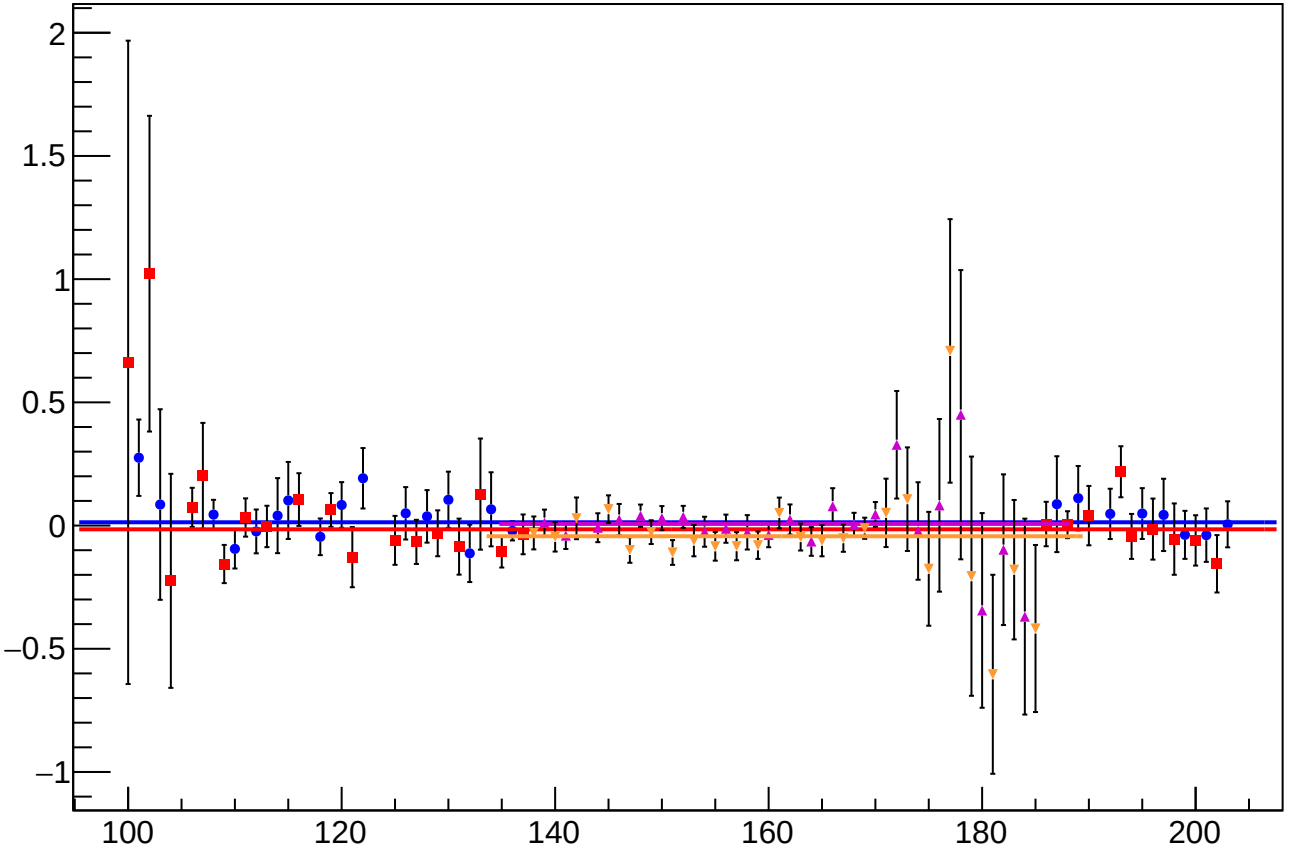
Right: 60.063+/-0.009 χ^2/NDF: 8320199.2/50

In: 52.288+/-0.008 χ^2/NDF:11683727.6/46

Out: 53.004+/-0.008 χ^2/NDF:11870622.2/50

All: 52.644+/-0.006 χ^2/NDF: 23558517.2/97

asym_us_dd_atlr_dd_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.013+/-0.019 χ^2/NDF: 13.2/23

Left Out: -0.043+/-0.014 χ^2/NDF:18.9/23

Right Out: -0.015+/-0.019 χ^2/NDF: 23.3/26

Left In: 0.007+/-0.014 χ^2/NDF:11.3/22

Left: -0.018+/-0.010 χ^2/NDF: 36.8/46

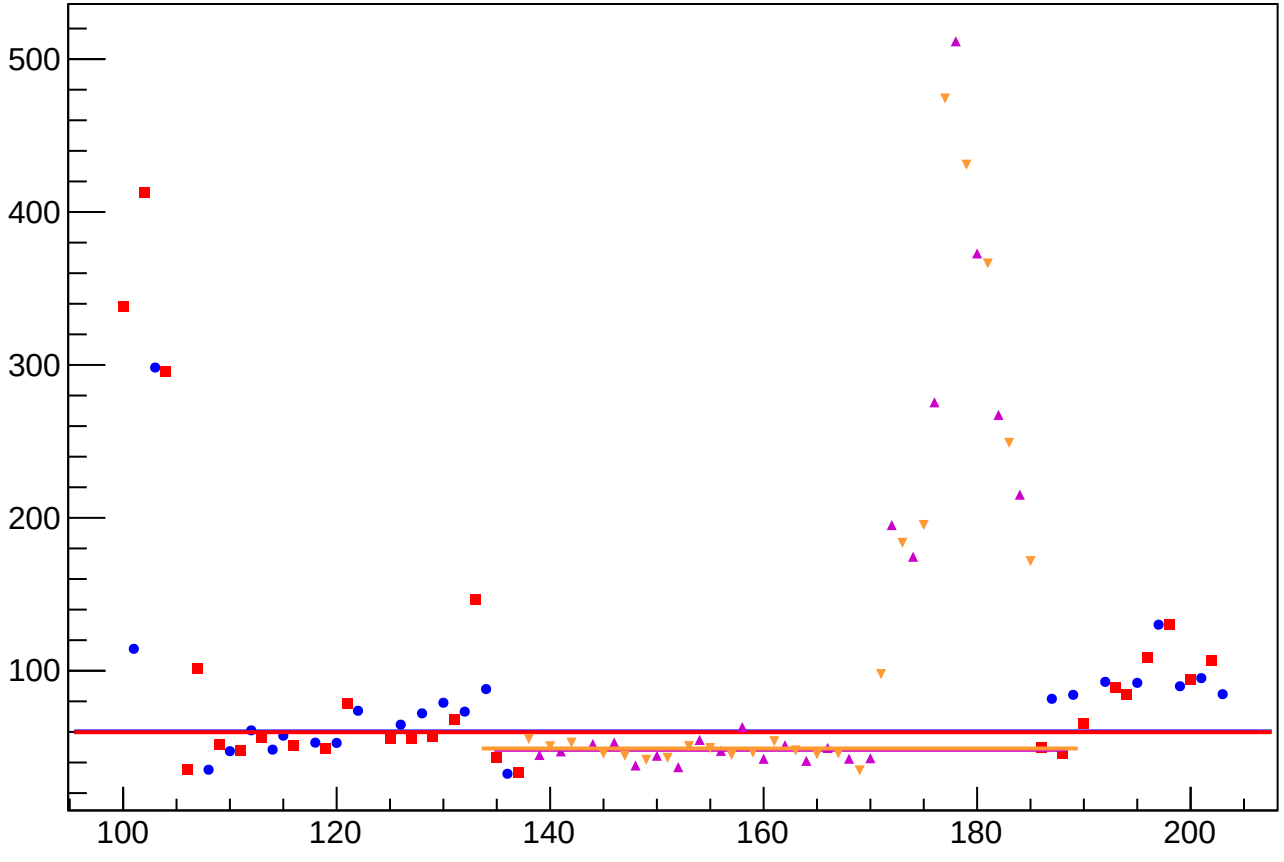
Right: -0.001+/-0.013 χ^2/NDF: 37.7/50

In: 0.009+/-0.011 χ^2/NDF:24.6/46

Out: -0.033+/-0.011 χ^2/NDF:43.7/50

All: -0.012+/-0.008 χ^2/NDF: 75.5/97

asym_us_dd_atlr_dd_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 60.304+/-0.014 χ^2/NDF: 4120634.1/23

Left Out: 49.180+/-0.010 χ^2/NDF:7250092.4/23

Right Out: 59.837+/-0.013 χ^2/NDF: 4198956.1/26

Left In: 48.307+/-0.010 χ^2/NDF:7040663.5/22

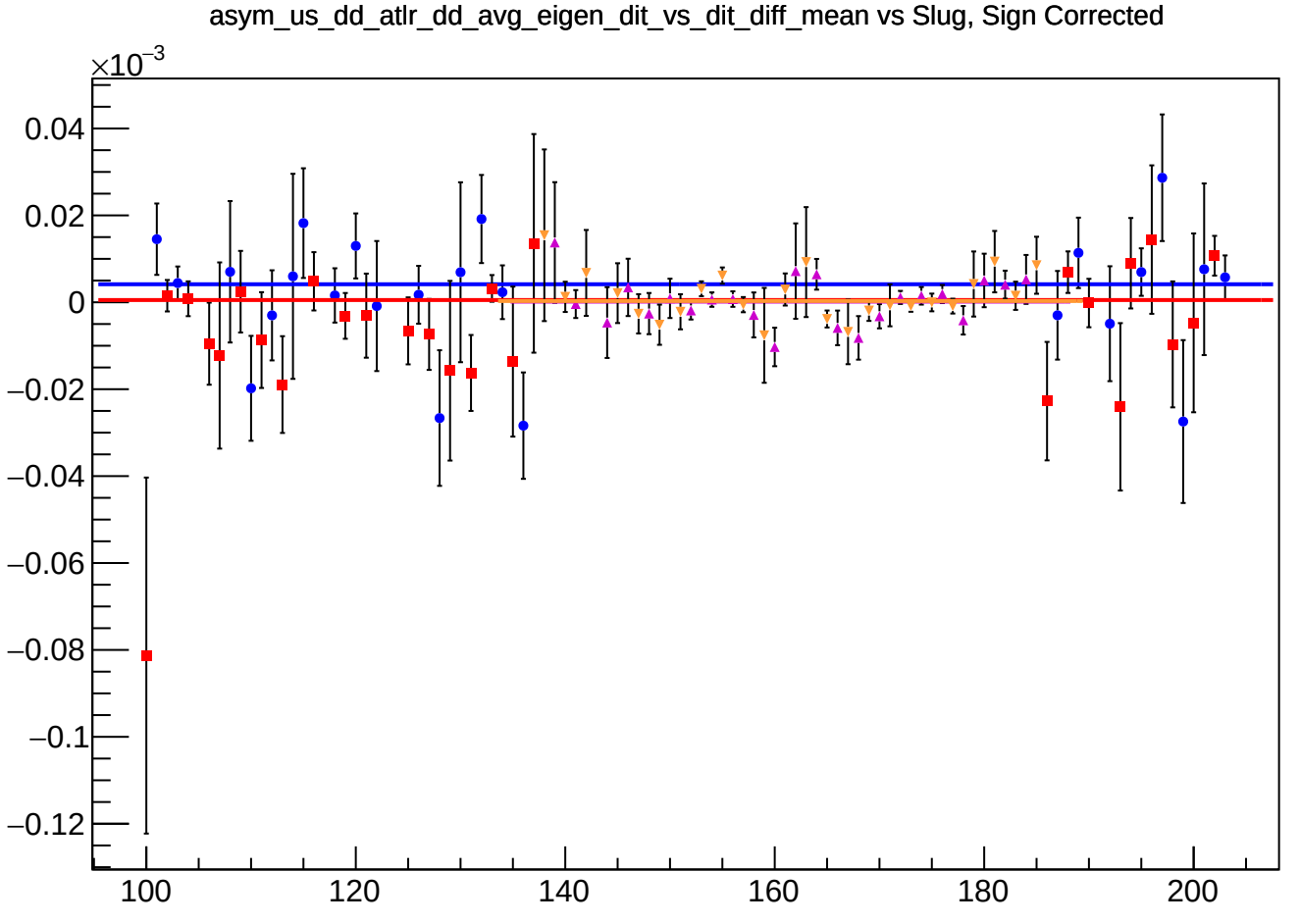
Left: 48.731+/-0.007 χ^2/NDF: 14294810.2/46

Right: 60.063+/-0.009 χ^2/NDF: 8320199.2/50

In: 52.288+/-0.008 χ^2/NDF:11683727.6/46

Out: 53.004+/-0.008 χ^2/NDF:11870622.2/50

All: 52.644+/-0.006 χ^2/NDF: 23558517.2/97



Right In: 0.000+/-0.000 χ^2/NDF: 30.2/23

Left Out: 0.000+/-0.000 χ^2/NDF:28.8/23

Right Out: 0.000+/-0.000 χ^2/NDF: 31.4/26

Left In: 0.000+/-0.000 χ^2/NDF:25.3/22

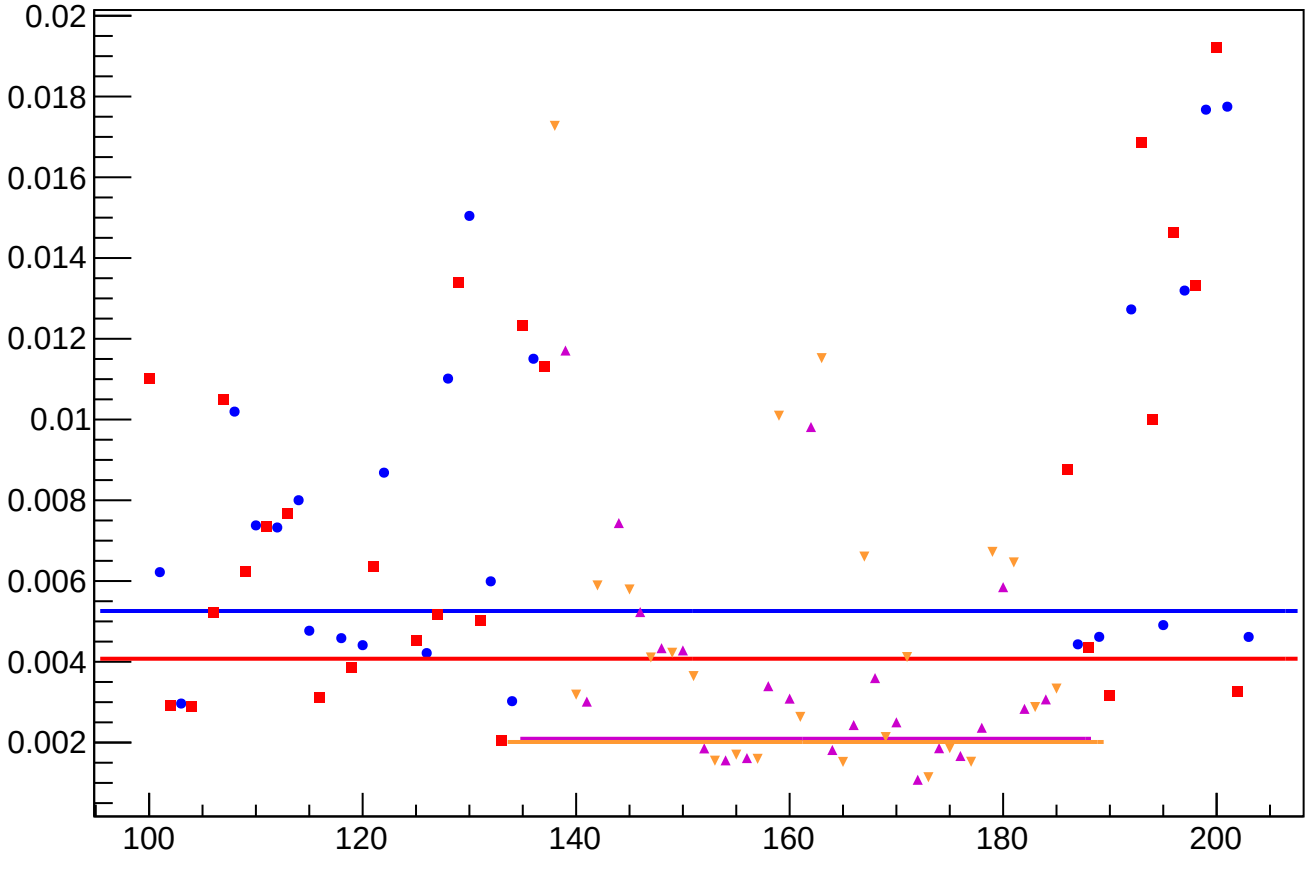
Left: 0.000+/-0.000 χ^2/NDF: 54.1/46

Right: 0.000+/-0.000 χ^2/NDF: 64.4/50

In: 0.000+/-0.000 χ^2/NDF:60.3/46

Out: 0.000+/-0.000 χ^2/NDF:60.2/50

All: 0.000+/-0.000 χ^2/NDF: 120.7/97



Right In: 0.005+/-0.000 χ^2/NDF: 5795186.6/23

Left Out: 0.002+/-0.000 χ^2/NDF:10262318.5/23

Right Out: 0.004+/-0.000 χ^2/NDF: 7804520.5/26

Left In: 0.002+/-0.000 χ^2/NDF:7141979.6/22

Left: 0.002+/-0.000 χ^2/NDF: 17422562.9/46

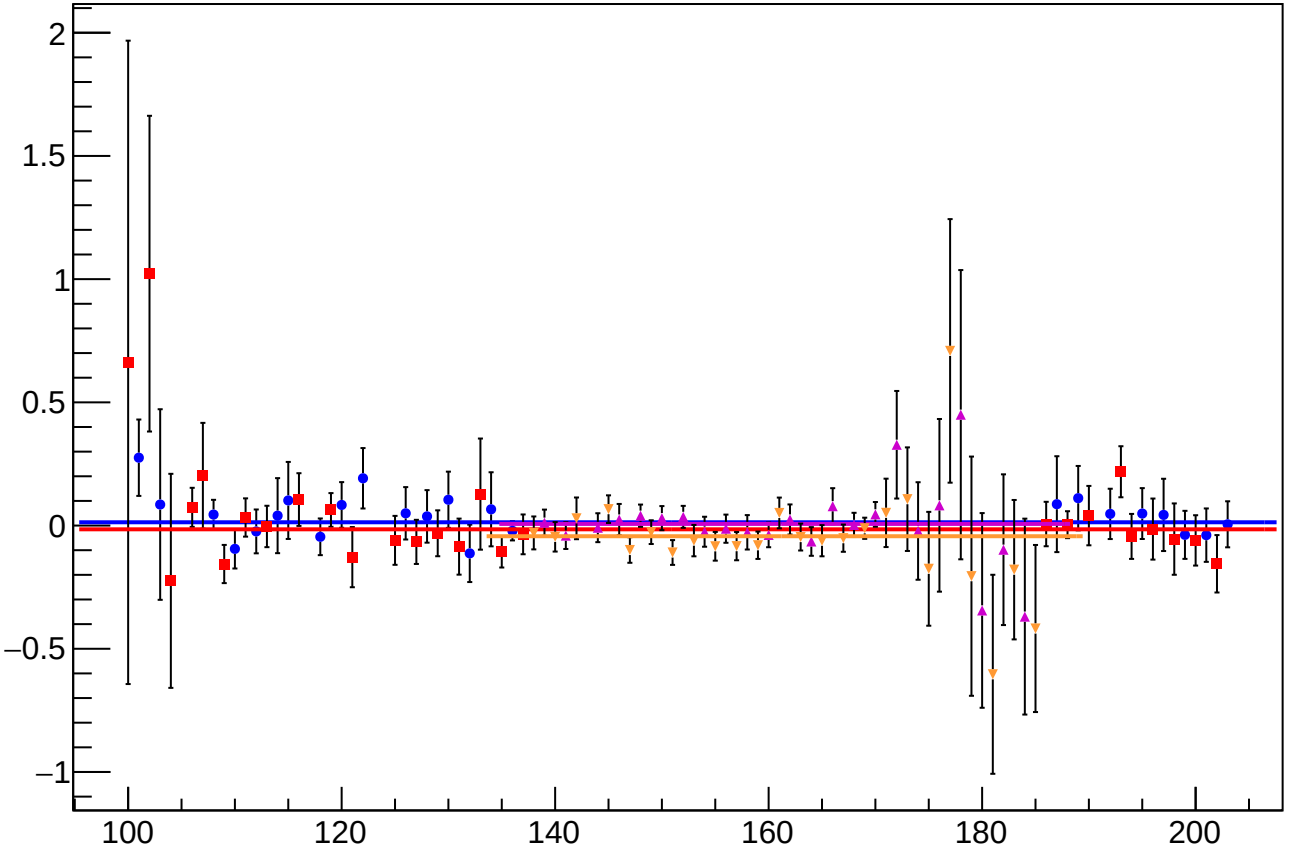
Right: 0.005+/-0.000 χ^2/NDF: 14195761.4/50

In: 0.002+/-0.000 χ^2/NDF:19062803.7/46

Out: 0.002+/-0.000 χ^2/NDF:22098711.2/50

All: 0.002+/-0.000 χ^2/NDF: 41212407.4/97

asym_us_dd_atlr_dd_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.013+/-0.019 χ^2/NDF: 13.2/23

Left Out: -0.043+/-0.014 χ^2/NDF:18.9/23

Right Out: -0.015+/-0.019 χ^2/NDF: 23.3/26

Left In: 0.007+/-0.014 χ^2/NDF:11.3/22

Left: -0.018+/-0.010 χ^2/NDF: 36.8/46

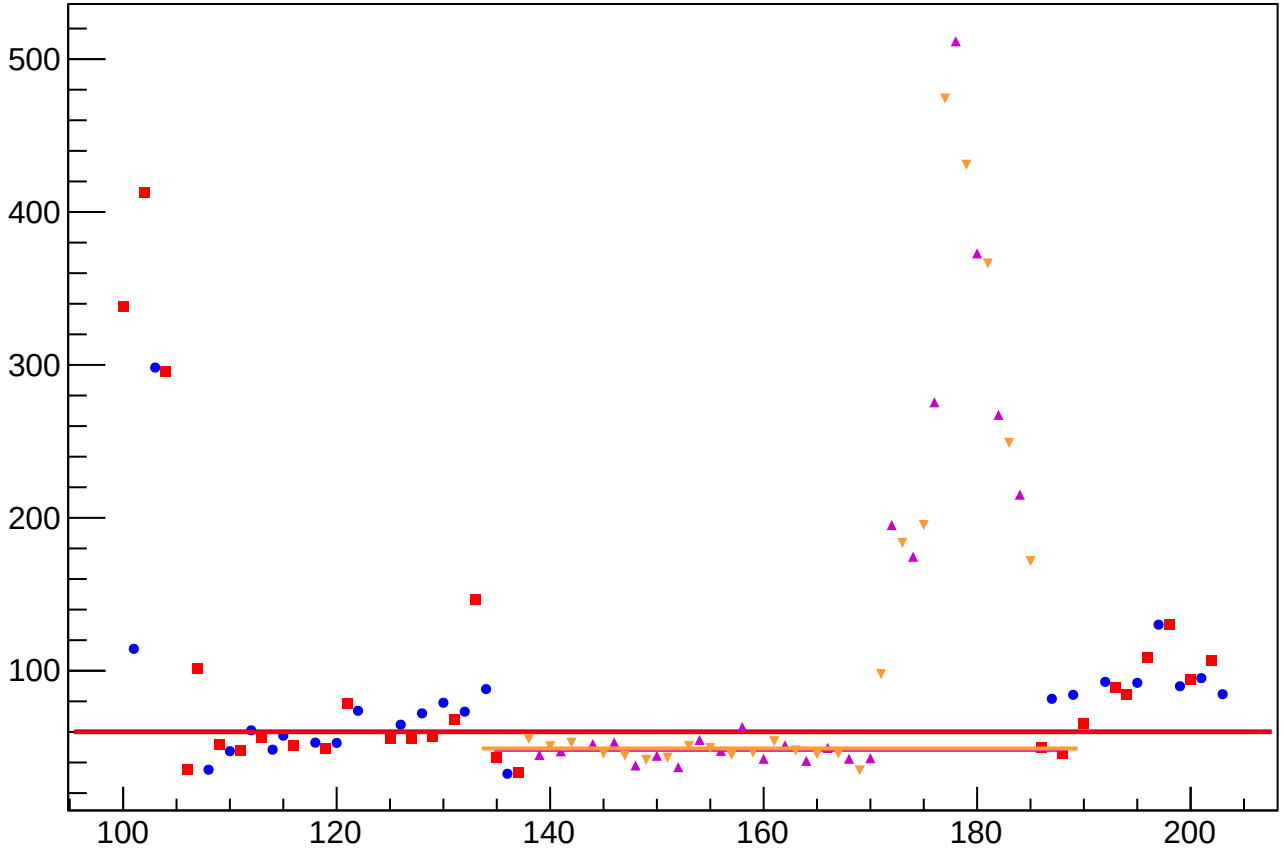
Right: -0.001+/-0.013 χ^2/NDF: 37.7/50

In: 0.009+/-0.011 χ^2/NDF:24.6/46

Out: -0.033+/-0.011 χ^2/NDF:43.7/50

All: -0.012+/-0.008 χ^2/NDF: 75.5/97

asym_us_dd_atlr_dd_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 60.304+/-0.014 χ^2/NDF: 4120486.2/23

Left Out: 49.180+/-0.010 χ^2/NDF:7250102.5/23

Right Out: 59.838+/-0.013 χ^2/NDF: 4198814.0/26

Left In: 48.307+/-0.010 χ^2/NDF:7040585.4/22

Left: 48.731+/-0.007 χ^2/NDF: 14294736.5/46

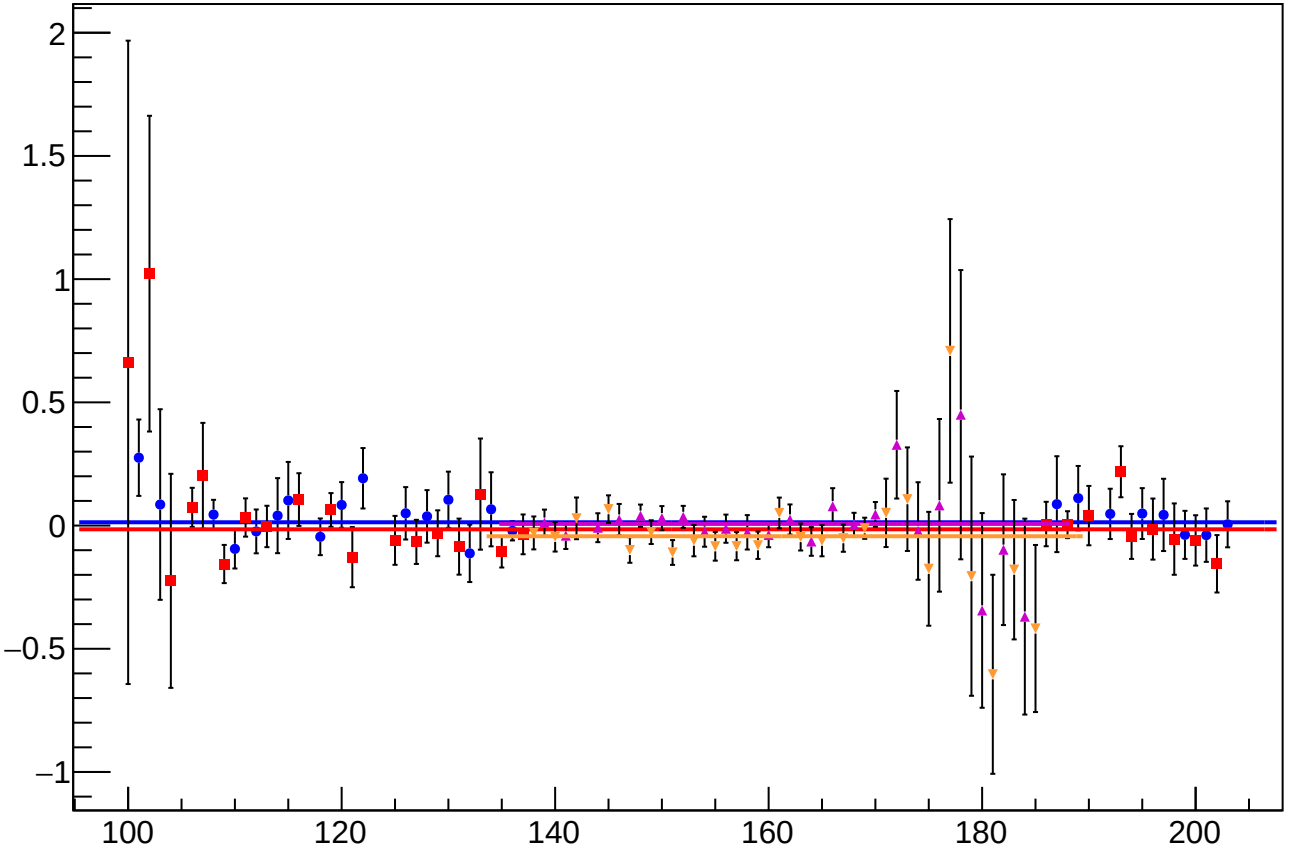
Right: 60.064+/-0.009 χ^2/NDF: 8319908.6/50

In: 52.289+/-0.008 χ^2/NDF:11683514.9/46

Out: 53.004+/-0.008 χ^2/NDF:11870570.5/50

All: 52.644+/-0.006 χ^2/NDF: 23558248.7/97

asym_us_dd_atlr_dd_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.013+/-0.019 χ^2/NDF: 13.2/23

Left Out: -0.043+/-0.014 χ^2/NDF:18.9/23

Right Out: -0.015+/-0.019 χ^2/NDF: 23.3/26

Left In: 0.007+/-0.014 χ^2/NDF:11.3/22

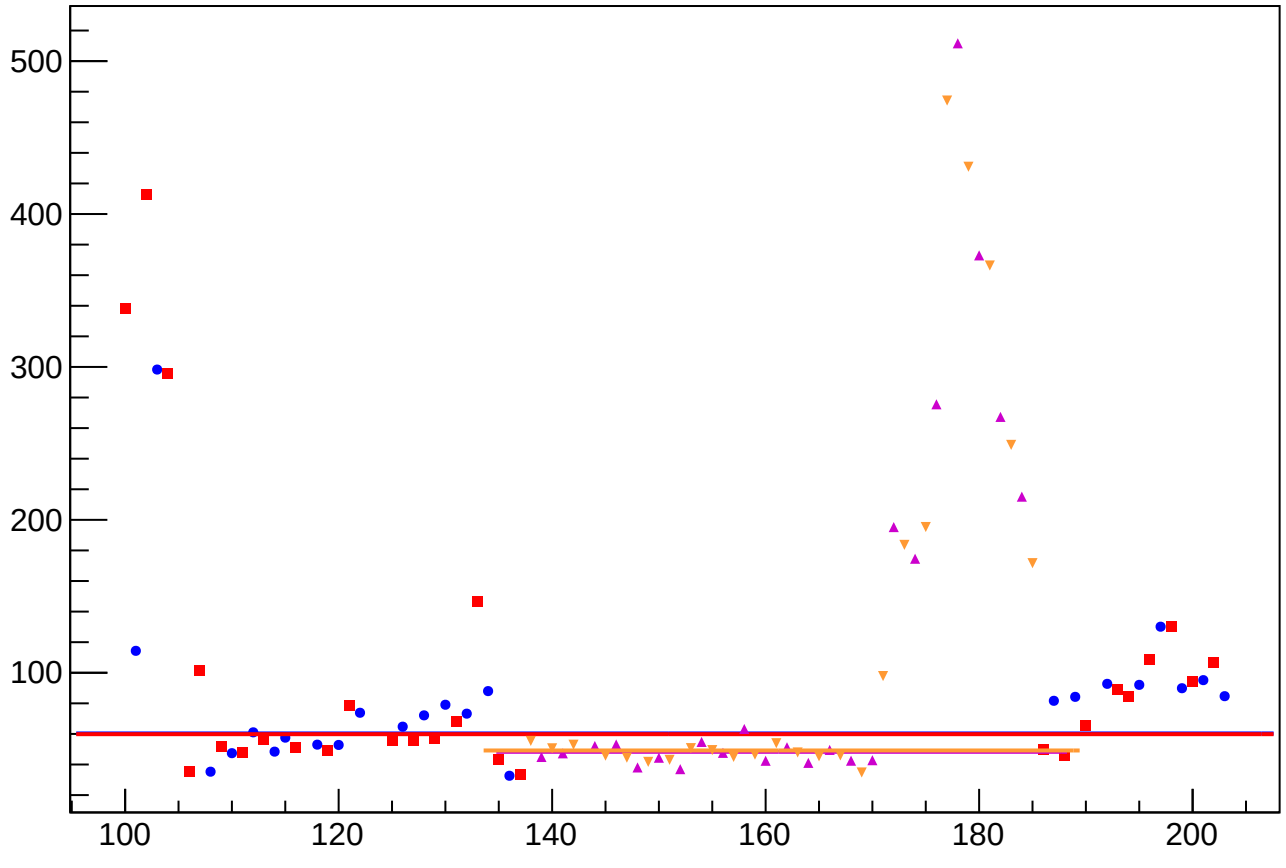
Left: -0.018+/-0.010 χ^2/NDF: 36.8/46

Right: -0.001+/-0.013 χ^2/NDF: 37.7/50

In: 0.009+/-0.011 χ^2/NDF:24.6/46

Out: -0.033+/-0.011 χ^2/NDF:43.7/50

All: -0.012+/-0.008 χ^2/NDF: 75.5/97



Right In: 60.304+/-0.014 χ^2/NDF: 4120486.2/23

Left Out: 49.180+/-0.010 χ^2/NDF:7250102.5/23

Right Out: 59.838+/-0.013 χ^2/NDF: 4198814.0/26

Left In: 48.307+/-0.010 χ^2/NDF:7040585.4/22

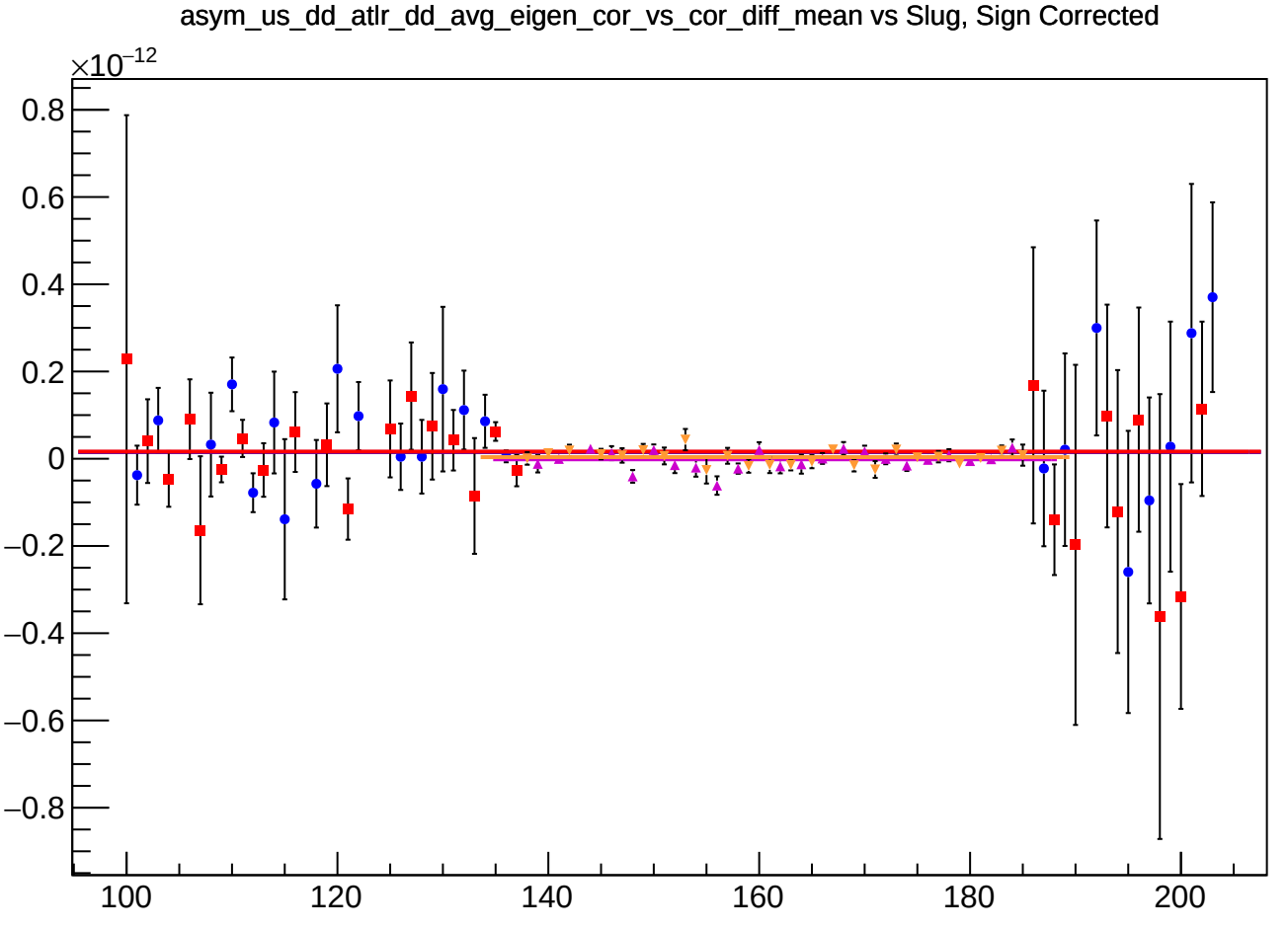
Left: 48.731+/-0.007 χ^2/NDF: 14294736.5/46

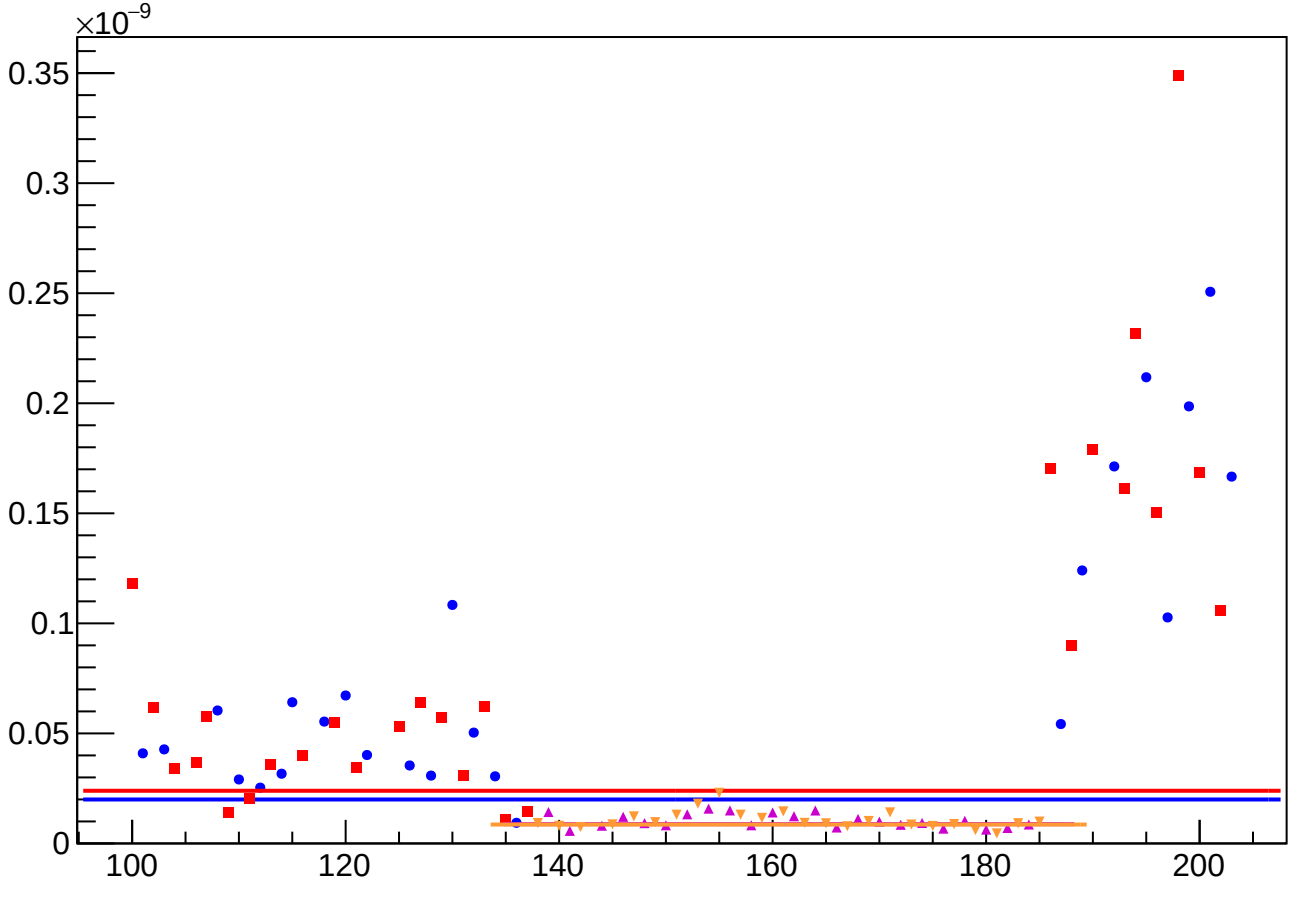
Right: 60.064+/-0.009 χ^2/NDF: 8319908.6/50

In: 52.289+/-0.008 χ^2/NDF:11683514.9/46

Out: 53.004+/-0.008 χ^2/NDF:11870570.5/50

All: 52.644+/-0.006 χ^2/NDF: 23558248.7/97


asym_us_dd_atlr_dd_avg_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
100
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 26.0/23
Left Out: 0.000+/-0.000 χ²/NDF:24.6/23
Right Out: 0.000+/-0.000 χ²/NDF: 22.9/26
Left In: -0.000+/-0.000 χ²/NDF:40.0/22
Left: 0.000+/-0.000 χ²/NDF: 66.3/46
Right: 0.000+/-0.000 χ²/NDF: 48.8/50
In: -0.000+/-0.000 χ²/NDF:68.0/46
Out: 0.000+/-0.000 χ²/NDF:48.4/50
All: 0.000+/-0.000 χ²/NDF: 118.0/97



Right In: 0.000+/-0.000 χ^2/NDF: 8283740.9/23

Left Out: 0.000+/-0.000 χ^2/NDF:2499872.6/23

Right Out: 0.000+/-0.000 χ^2/NDF: 7637127.7/26

Left In: 0.000+/-0.000 χ^2/NDF:1954811.1/22

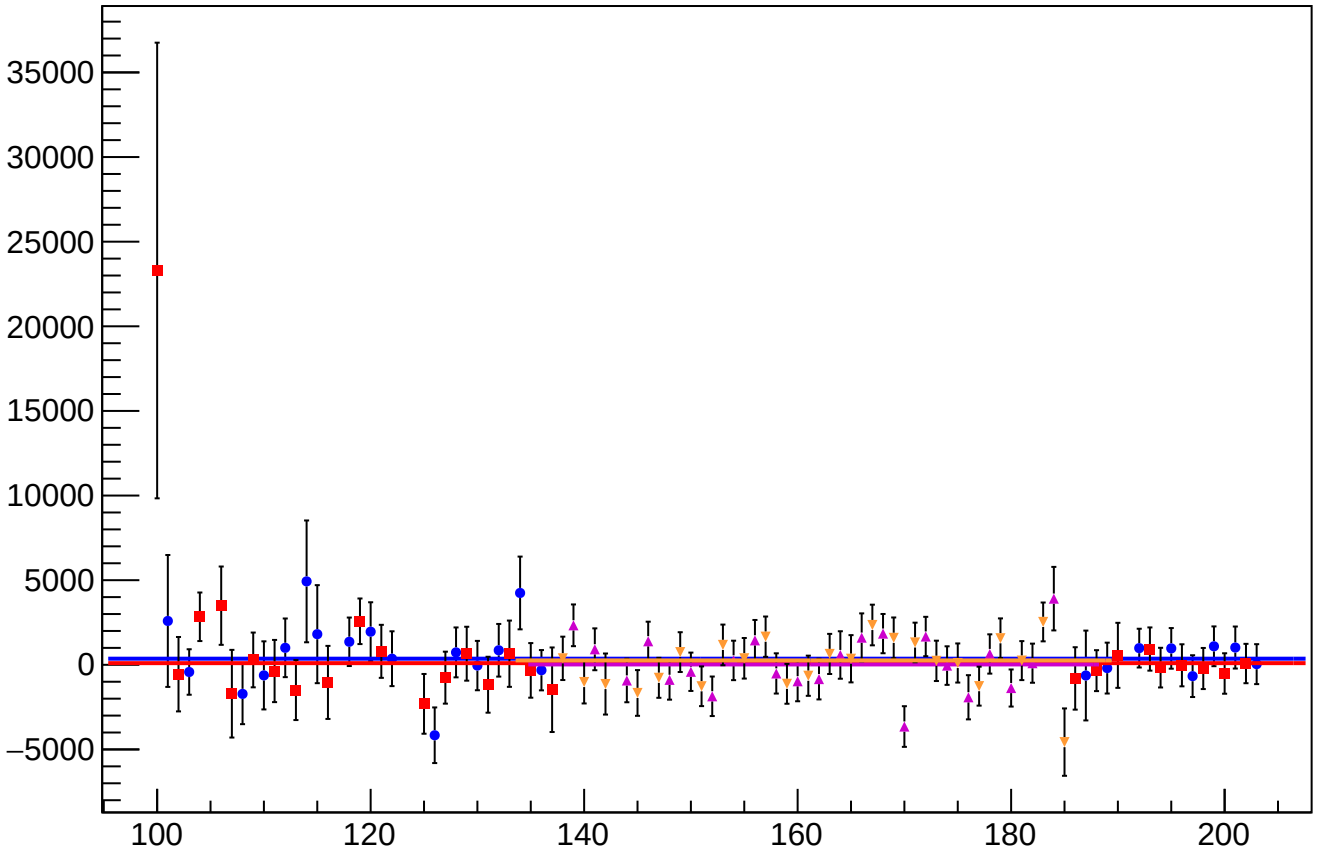
Left: 0.000+/-0.000 χ^2/NDF: 4458320.3/46

Right: 0.000+/-0.000 χ^2/NDF: 16033485.3/50

In: 0.000+/-0.000 χ^2/NDF:12126151.1/46

Out: 0.000+/-0.000 χ^2/NDF:13073086.0/50

All: 0.000+/-0.000 χ^2/NDF: 25200553.2/97



Right In: 361.868+/-311.068 χ^2/NDF: 19.3/23

Left Out: 260.650+/-251.401 χ^2/NDF:28.2/23

Right Out: 98.504+/-303.273 χ^2/NDF: 18.8/26

Left In: 22.368+/-253.332 χ^2/NDF:35.8/22

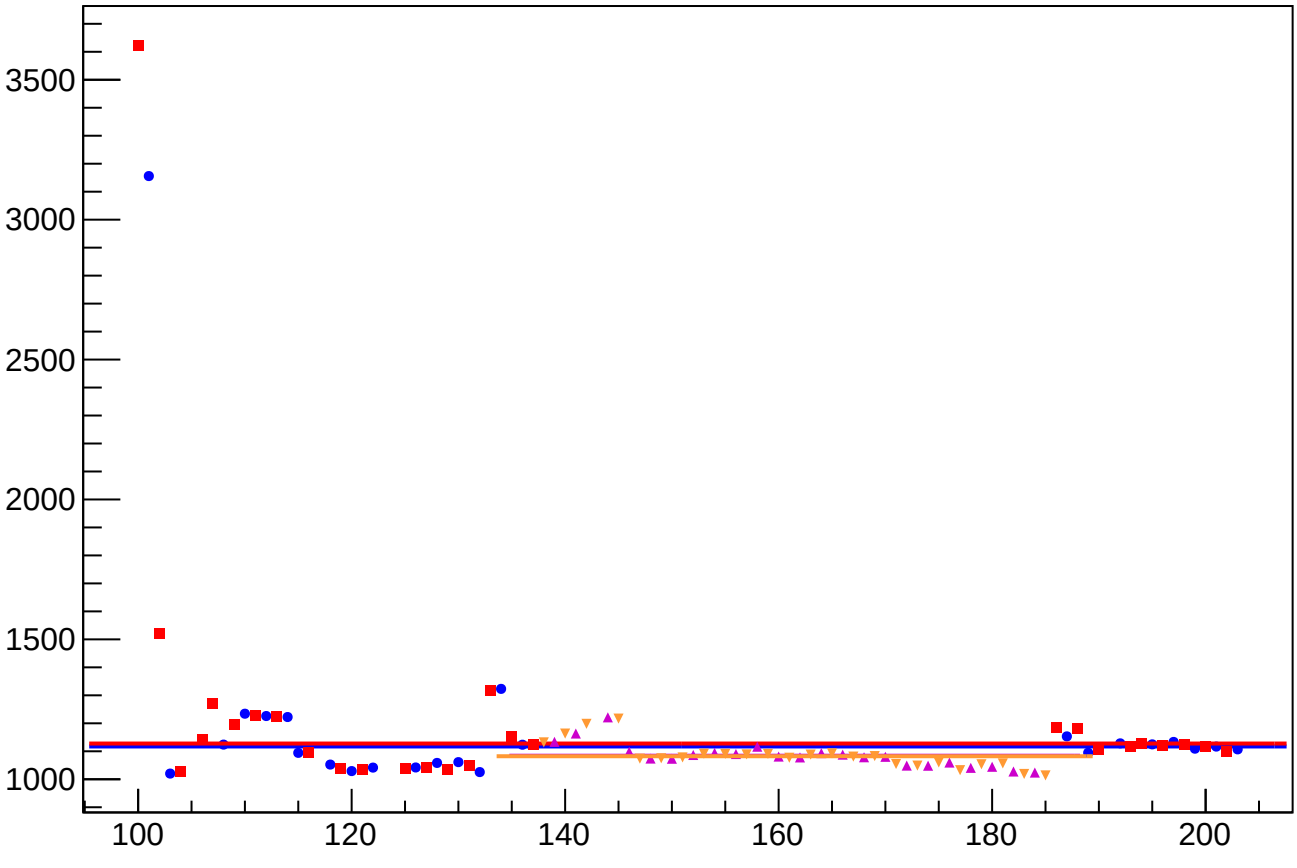
Left: 142.421+/-178.446 χ^2/NDF: 64.5/46

Right: 226.845+/-217.150 χ^2/NDF: 38.4/50

In: 157.748+/-196.432 χ^2/NDF:55.8/46

Out: 194.609+/-193.547 χ^2/NDF:47.2/50

All: 176.451+/-137.867 χ^2/NDF: 103.0/97



Right In: 1117.203+/-0.220 χ^2/NDF: 625079.8/23

Left Out: 1082.308+/-0.178 χ^2/NDF:57873.0/23

Right Out: 1127.694+/-0.214 χ^2/NDF: 229950.9/26

Left In: 1084.166+/-0.179 χ^2/NDF:53438.8/22

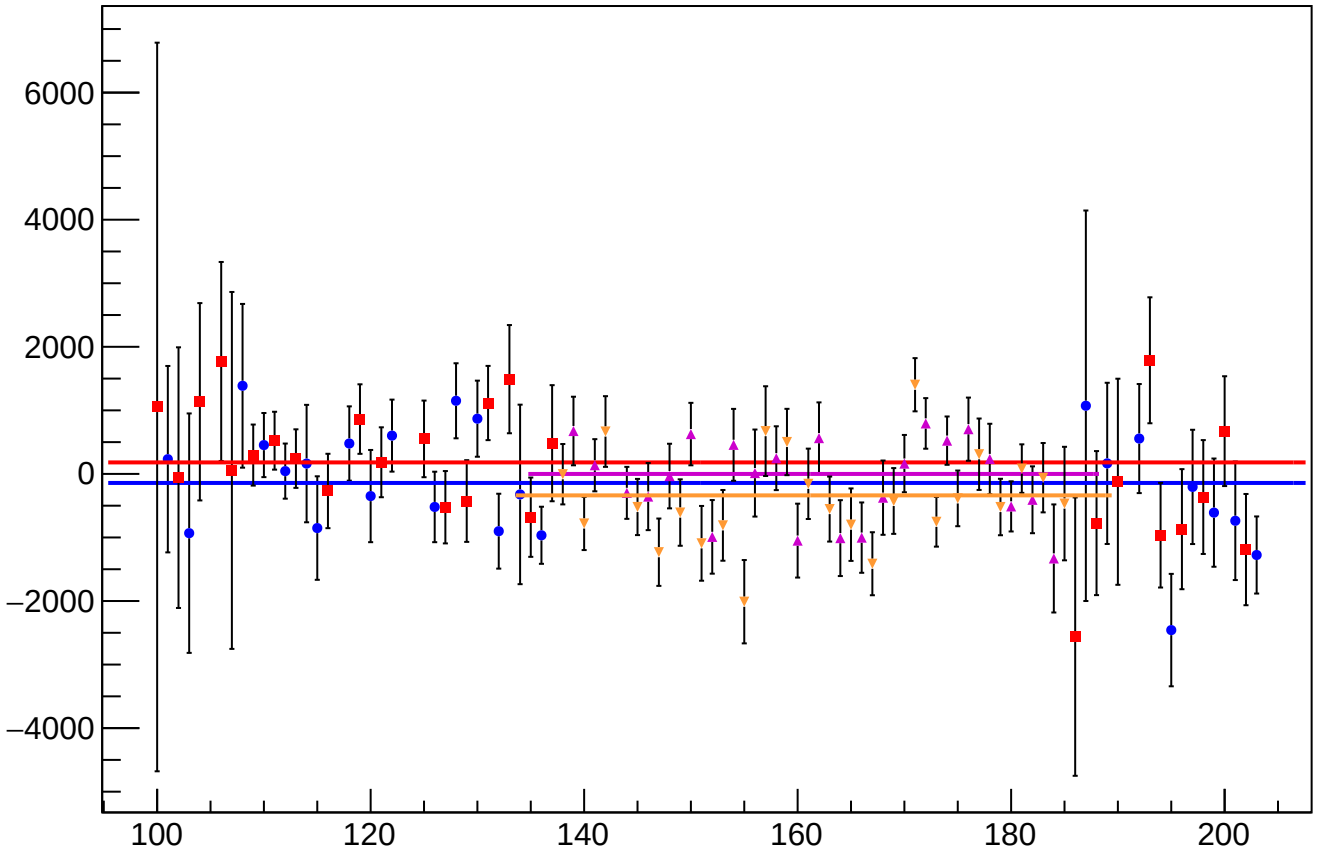
Left: 1083.230+/-0.126 χ^2/NDF: 111366.1/46

Right: 1122.582+/-0.154 χ^2/NDF: 856197.2/50

In: 1097.340+/-0.139 χ^2/NDF:692081.5/46

Out: 1100.793+/-0.137 χ^2/NDF:314373.7/50

All: 1099.092+/-0.097 χ^2/NDF: 1006768.9/97



Right In: -142.151+/-143.868 χ^2/NDF: 32.1/23

Left Out: -337.727+/-102.601 χ^2/NDF:48.8/23

Right Out: 180.880+/-141.614 χ^2/NDF: 25.2/26

Left In: -0.547+/-104.733 χ^2/NDF:31.9/22

Left: -172.603+/-73.292 χ^2/NDF: 85.9/46

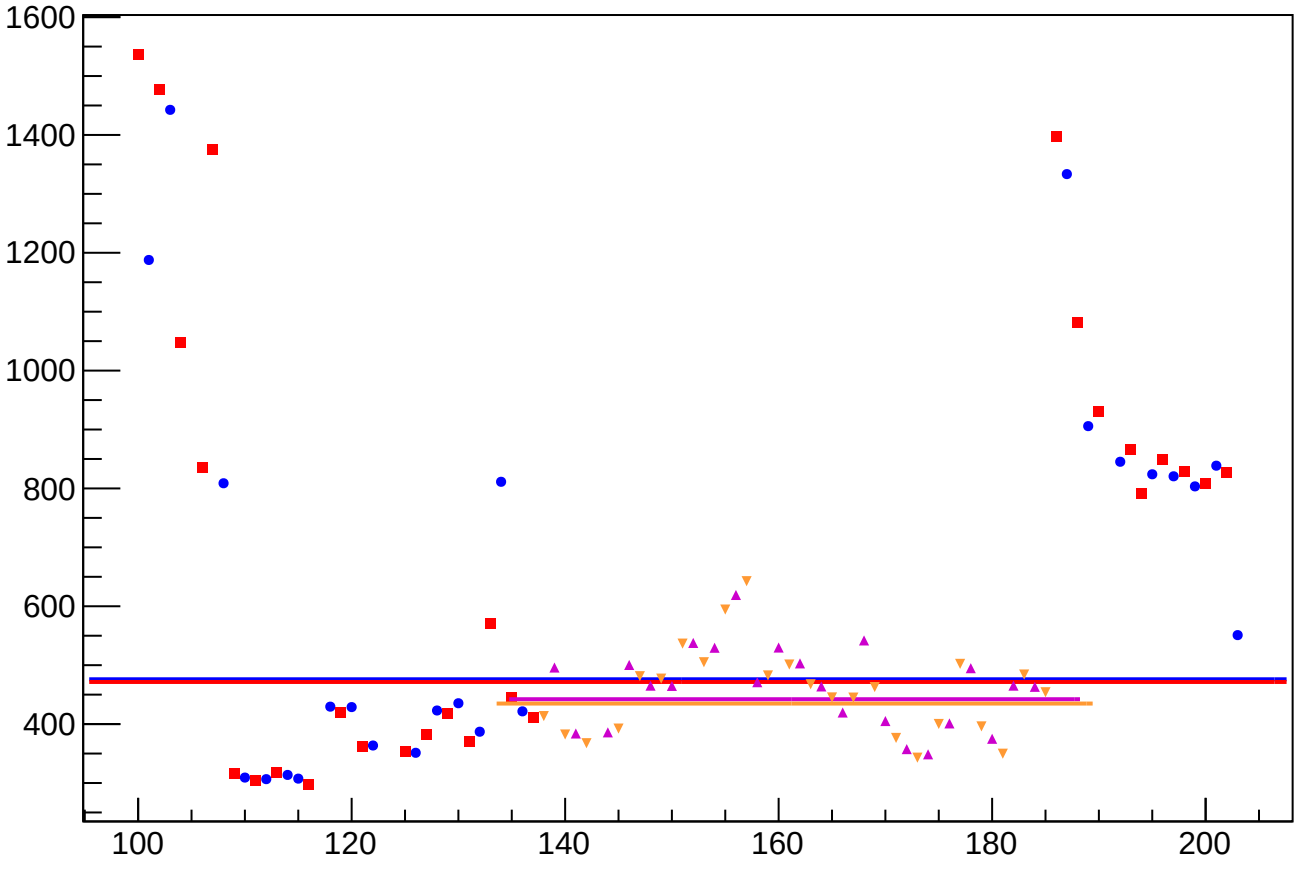
Right: 21.915+/-100.924 χ^2/NDF: 59.9/50

In: -49.596+/-84.673 χ^2/NDF:64.6/46

Out: -159.209+/-83.086 χ^2/NDF:82.8/50

All: -105.439+/-59.304 χ^2/NDF: 148.3/97

asym_us_dd_atlr_dd_dd_reg_correction_rms vs Slug, Sign Corrected



Right In: 476.061+/-0.102 χ^2/NDF: 4204482.4/23

Left Out: 434.858+/-0.073 χ^2/NDF:878416.4/23

Right Out: 471.505+/-0.100 χ^2/NDF: 5343526.3/26

Left In: 442.209+/-0.074 χ^2/NDF:825972.2/22

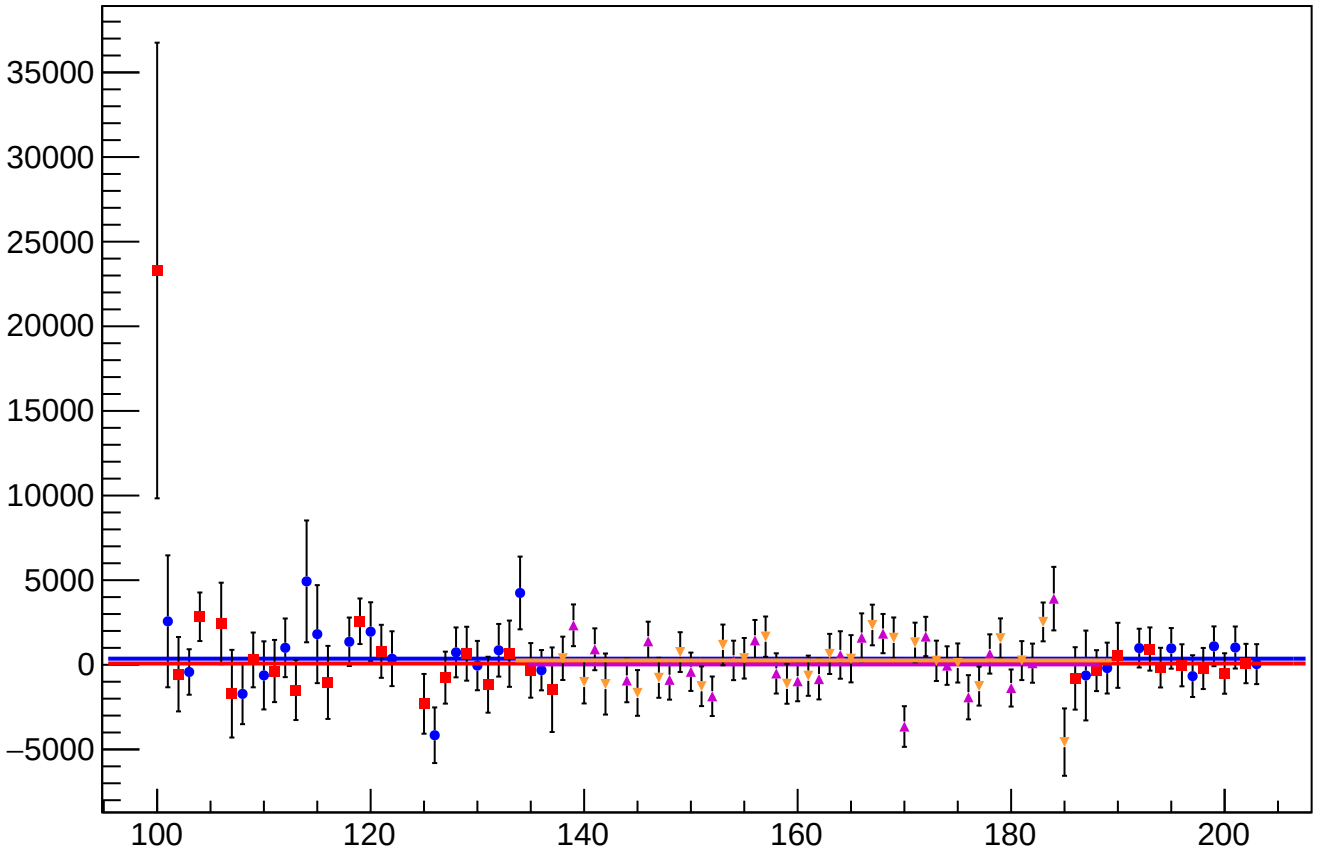
Left: 438.458+/-0.052 χ^2/NDF: 1709415.0/46

Right: 473.747+/-0.071 χ^2/NDF: 9549027.5/50

In: 453.934+/-0.060 χ^2/NDF:5102830.2/46

Out: 447.473+/-0.059 χ^2/NDF:6309769.0/50

All: 450.643+/-0.042 χ^2/NDF: 11418532.7/97



Right In: 361.720+/-311.068 χ^2/NDF: 19.3/23

Left Out: 260.639+/-251.401 χ^2/NDF:28.2/23

Right Out: 77.270+/-303.474 χ^2/NDF: 17.6/26

Left In: 22.362+/-253.332 χ^2/NDF:35.8/22

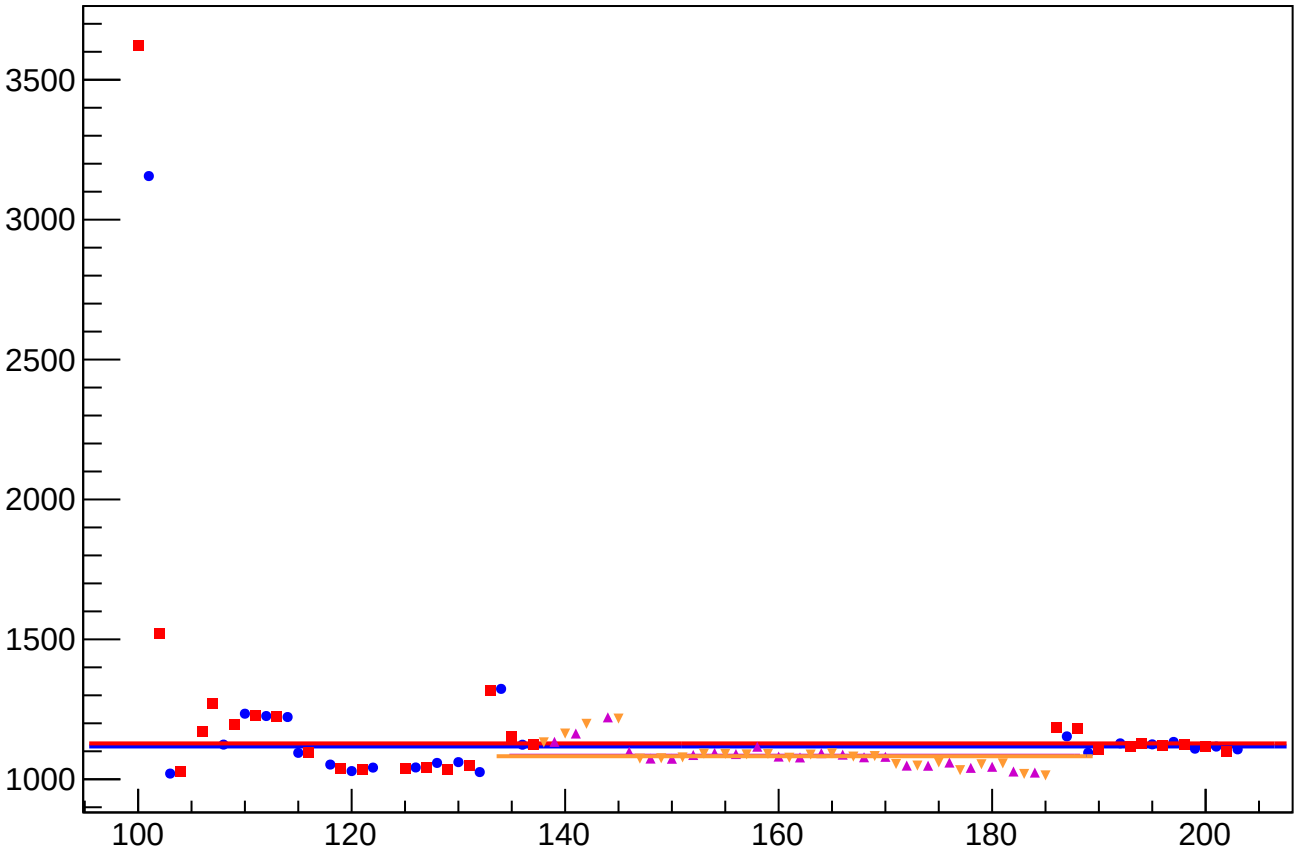
Left: 142.412+/-178.446 χ^2/NDF: 64.5/46

Right: 215.981+/-217.224 χ^2/NDF: 37.2/50

In: 157.686+/-196.432 χ^2/NDF:55.8/46

Out: 186.013+/-193.599 χ^2/NDF:46.0/50

All: 172.055+/-137.886 χ^2/NDF: 101.8/97



Right In: 1117.202+/-0.220 χ^2/NDF: 625080.8/23

Left Out: 1082.308+/-0.178 χ^2/NDF:57873.0/23

Right Out: 1128.175+/-0.215 χ^2/NDF: 230554.9/26

Left In: 1084.166+/-0.179 χ^2/NDF:53438.8/22

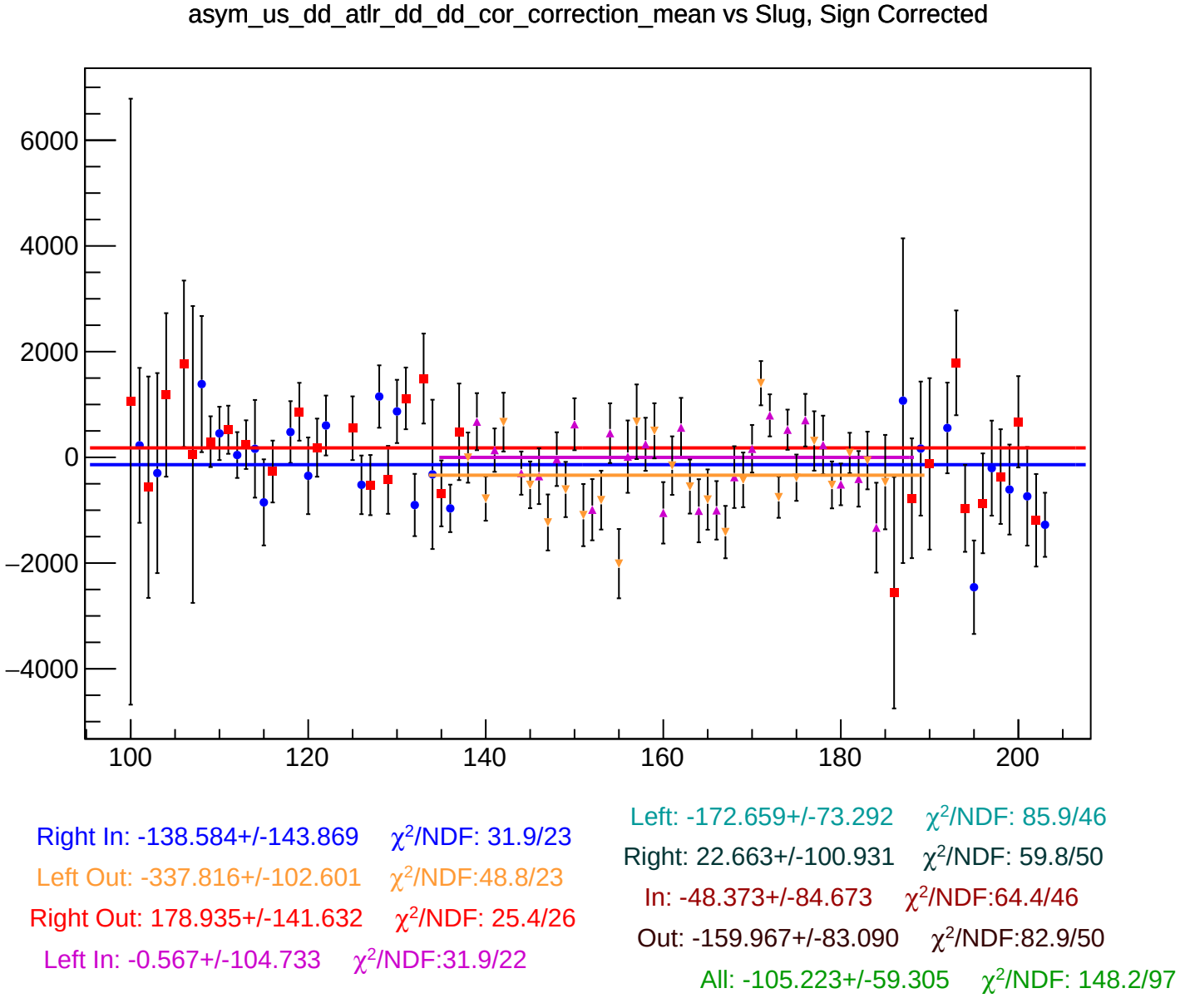
Left: 1083.230+/-0.126 χ^2/NDF: 111366.0/46

Right: 1122.824+/-0.154 χ^2/NDF: 856910.8/50

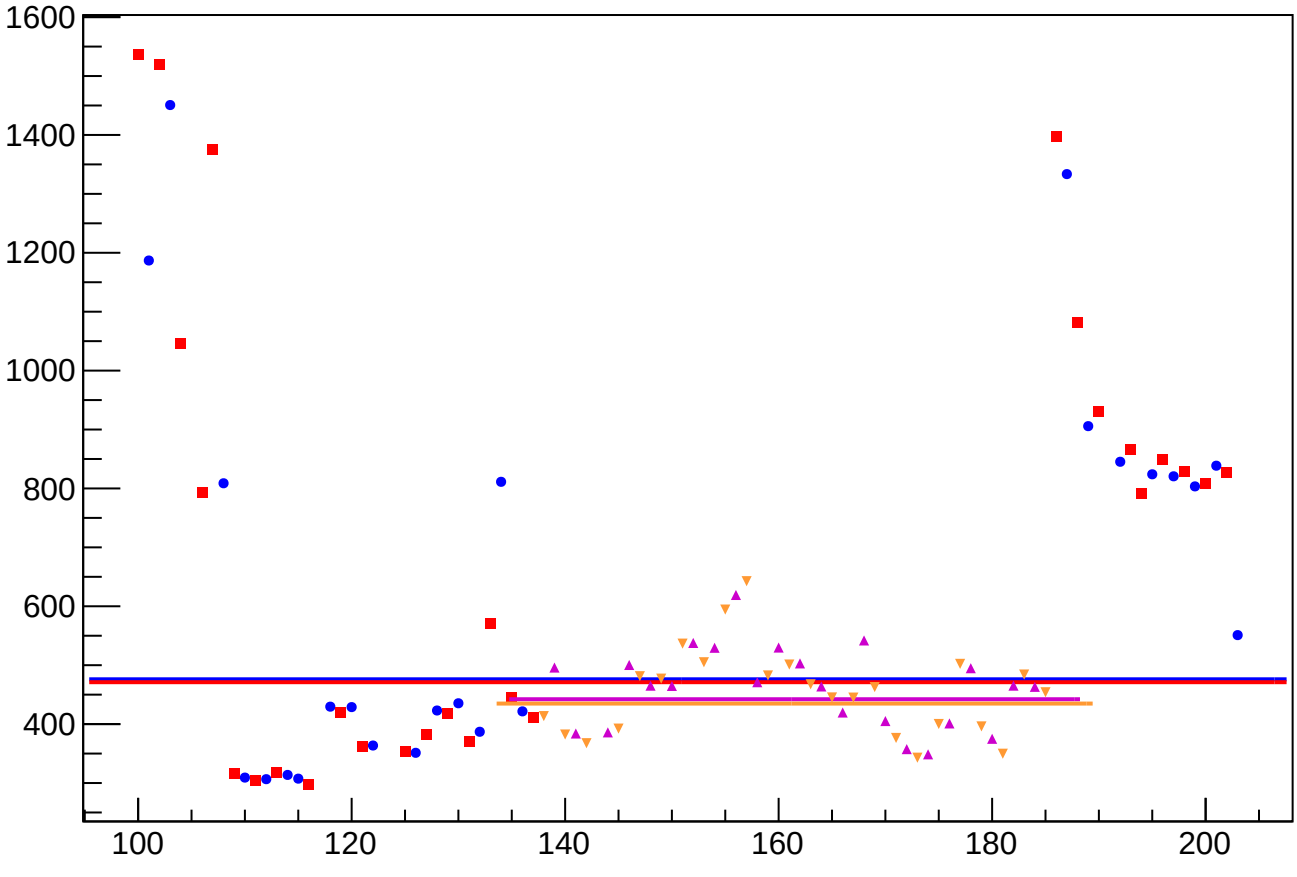
In: 1097.340+/-0.139 χ^2/NDF:692082.4/46

Out: 1100.974+/-0.137 χ^2/NDF:315522.0/50

All: 1099.184+/-0.098 χ^2/NDF: 1007951.7/97


asym_us_dd_atlr_dd_dd_cor_correction_mean vs Slug, Sign Corrected
6000
4000
2000
0
−2000
−4000
100
120
140
160
180
200
Right In: -138.584+/-143.869 χ²/NDF: 31.9/23
Left Out: -337.816+/-102.601 χ²/NDF:48.8/23
Right Out: 178.935+/-141.632 χ²/NDF: 25.4/26
Left In: -0.567+/-104.733 χ²/NDF:31.9/22
Left: -172.659+/-73.292 χ²/NDF: 85.9/46
Right: 22.663+/-100.931 χ²/NDF: 59.8/50
In: -48.373+/-84.673 χ²/NDF:64.4/46
Out: -159.967+/-83.090 χ²/NDF:82.9/50
All: -105.223+/-59.305 χ²/NDF: 148.2/97

asym_us_dd_atlr_dd_dd_cor_correction_rms vs Slug, Sign Corrected



Right In: 476.053+/-0.102 χ^2/NDF: 4208300.0/23

Left Out: 434.856+/-0.073 χ^2/NDF:878507.3/23

Right Out: 471.144+/-0.100 χ^2/NDF: 5337930.8/26

Left In: 442.210+/-0.074 χ^2/NDF:825844.5/22

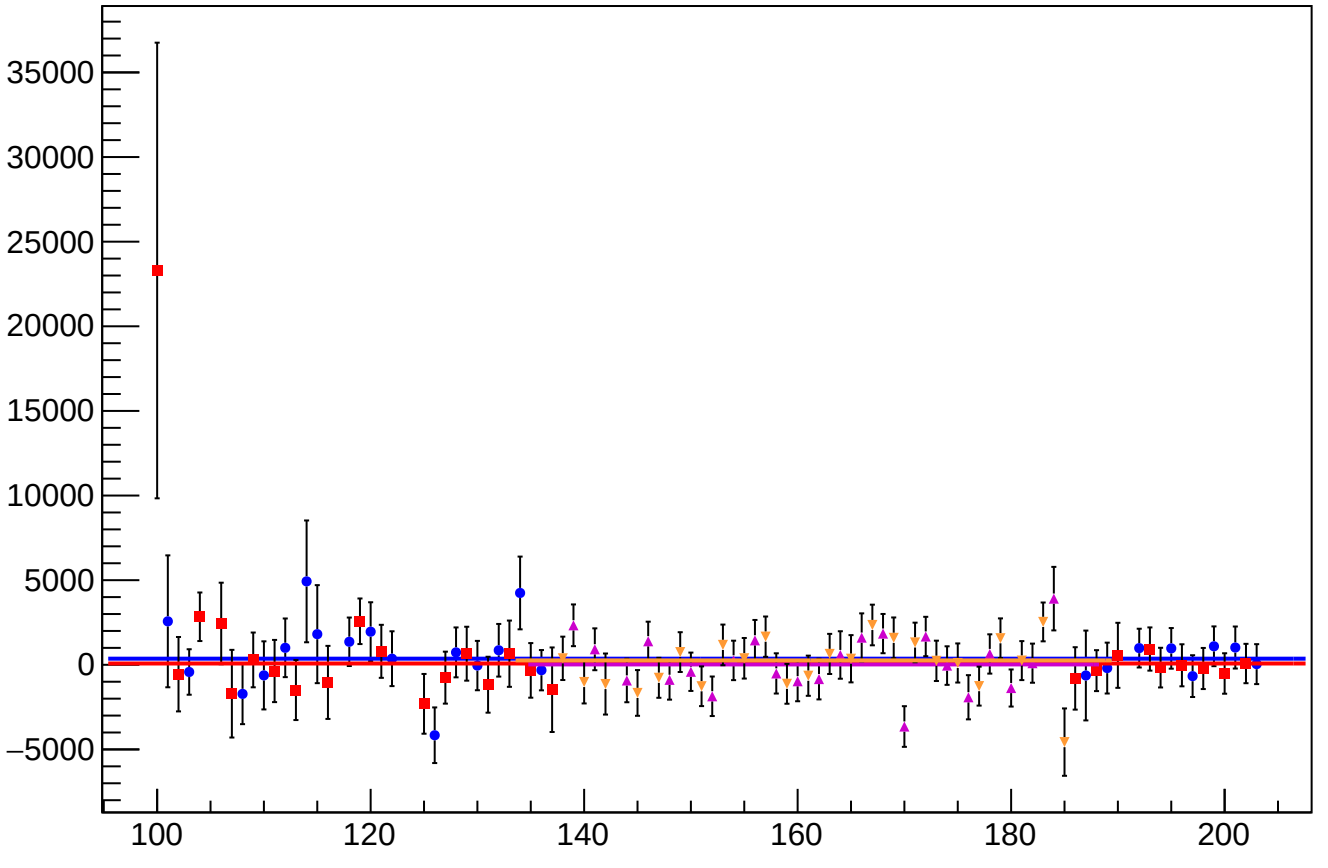
Left: 438.457+/-0.052 χ^2/NDF: 1709383.2/46

Right: 473.560+/-0.071 χ^2/NDF: 9547413.3/50

In: 453.932+/-0.060 χ^2/NDF:5106481.5/46

Out: 447.345+/-0.059 χ^2/NDF:6302541.8/50

All: 450.576+/-0.042 χ^2/NDF: 11415189.9/97



Right In: 361.720+/-311.068 χ^2/NDF: 19.3/23

Left Out: 260.639+/-251.401 χ^2/NDF:28.2/23

Right Out: 77.270+/-303.474 χ^2/NDF: 17.6/26

Left In: 22.362+/-253.332 χ^2/NDF:35.8/22

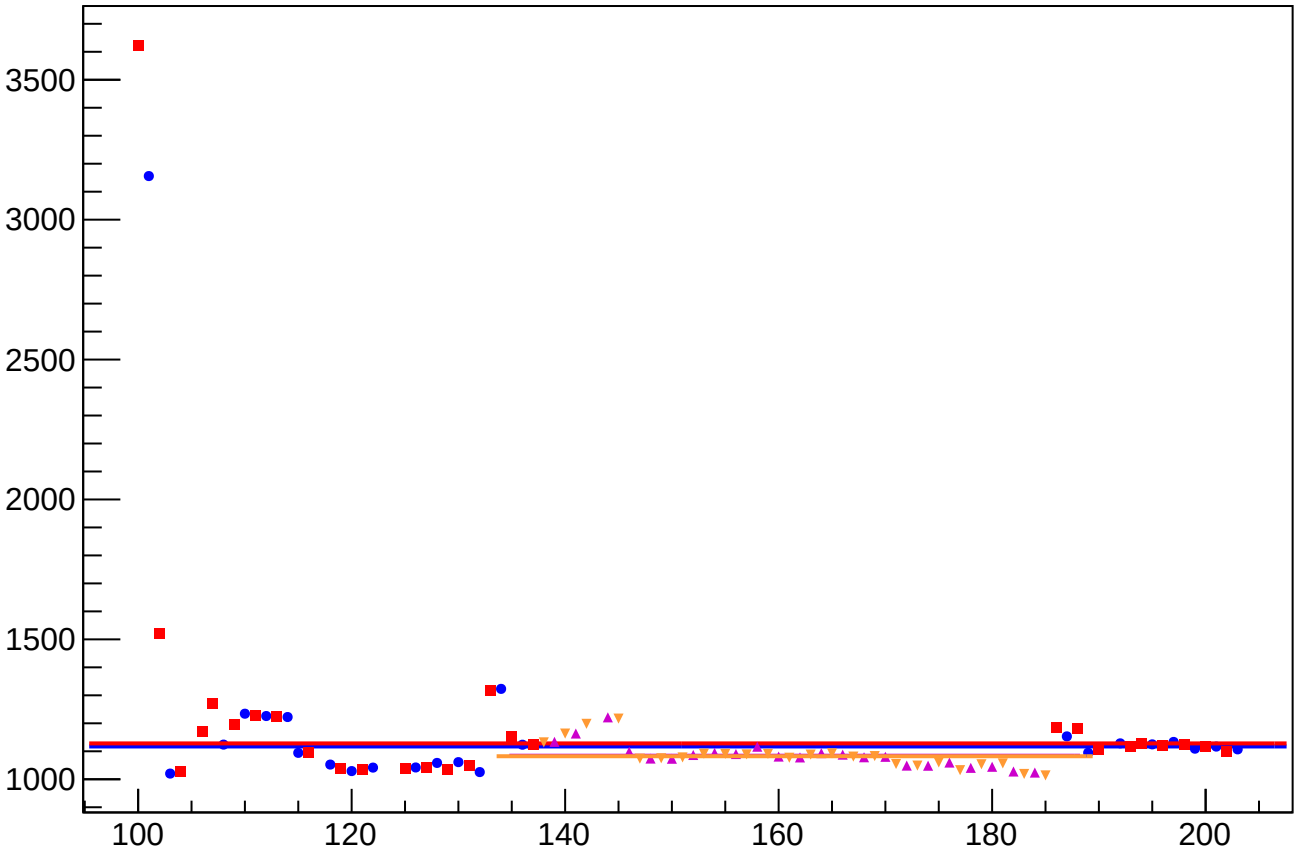
Left: 142.412+/-178.446 χ^2/NDF: 64.5/46

Right: 215.981+/-217.224 χ^2/NDF: 37.2/50

In: 157.686+/-196.432 χ^2/NDF:55.8/46

Out: 186.013+/-193.599 χ^2/NDF:46.0/50

All: 172.055+/-137.886 χ^2/NDF: 101.8/97



Right In: 1117.202+/-0.220 χ^2/NDF: 625080.8/23

Left Out: 1082.308+/-0.178 χ^2/NDF:57873.0/23

Right Out: 1128.175+/-0.215 χ^2/NDF: 230554.9/26

Left In: 1084.166+/-0.179 χ^2/NDF:53438.8/22

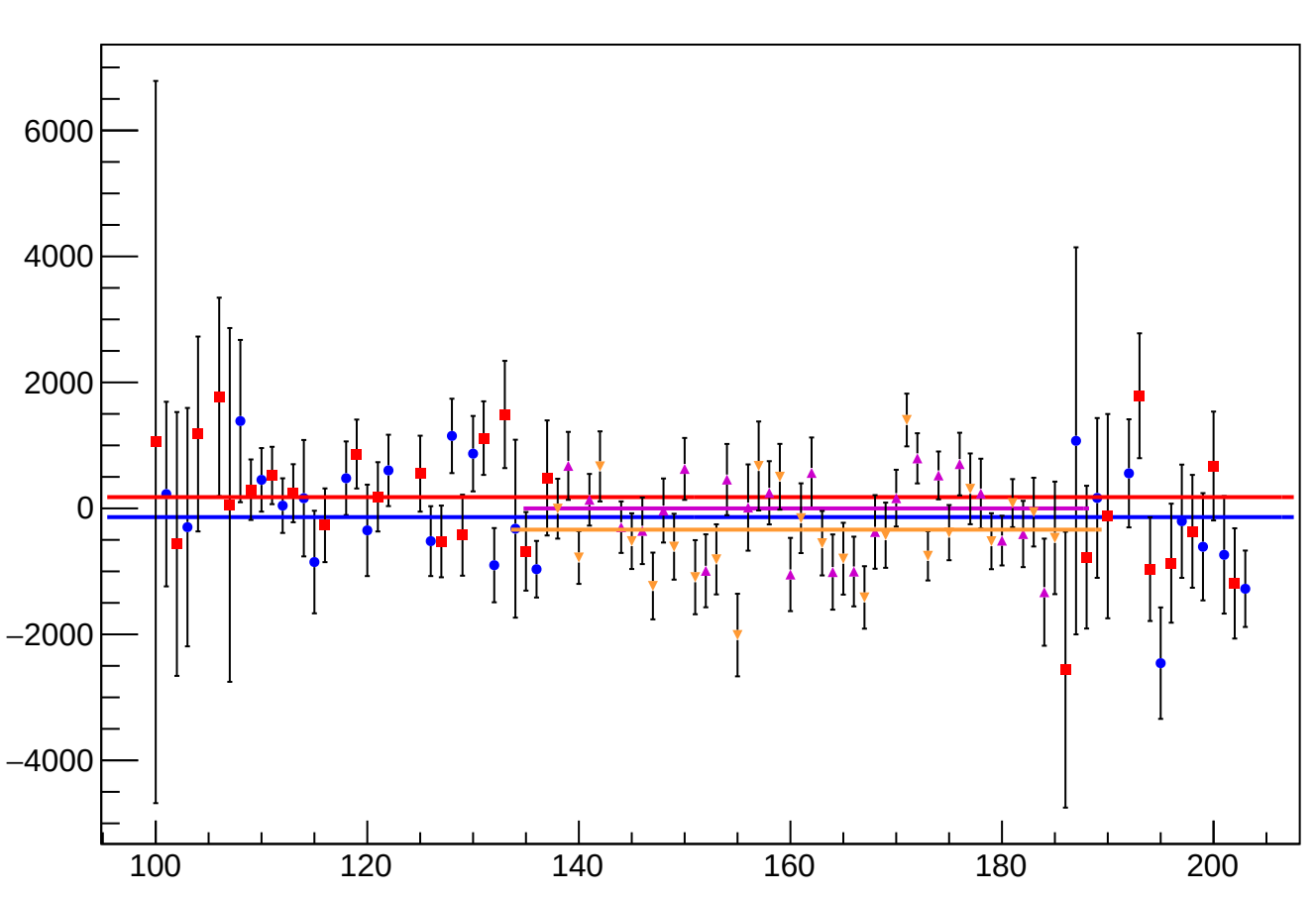
Left: 1083.230+/-0.126 χ^2/NDF: 111366.0/46

Right: 1122.824+/-0.154 χ^2/NDF: 856910.8/50

In: 1097.340+/-0.139 χ^2/NDF:692082.4/46

Out: 1100.974+/-0.137 χ^2/NDF:315522.0/50

All: 1099.184+/-0.098 χ^2/NDF: 1007951.7/97



Right In: -138.584+/-143.869 χ^2/NDF: 31.9/23

Left Out: -337.816+/-102.601 χ^2/NDF:48.8/23

Right Out: 178.935+/-141.632 χ^2/NDF: 25.4/26

Left In: -0.567+/-104.733 χ^2/NDF:31.9/22

Left: -172.659+/-73.292 χ^2/NDF: 85.9/46

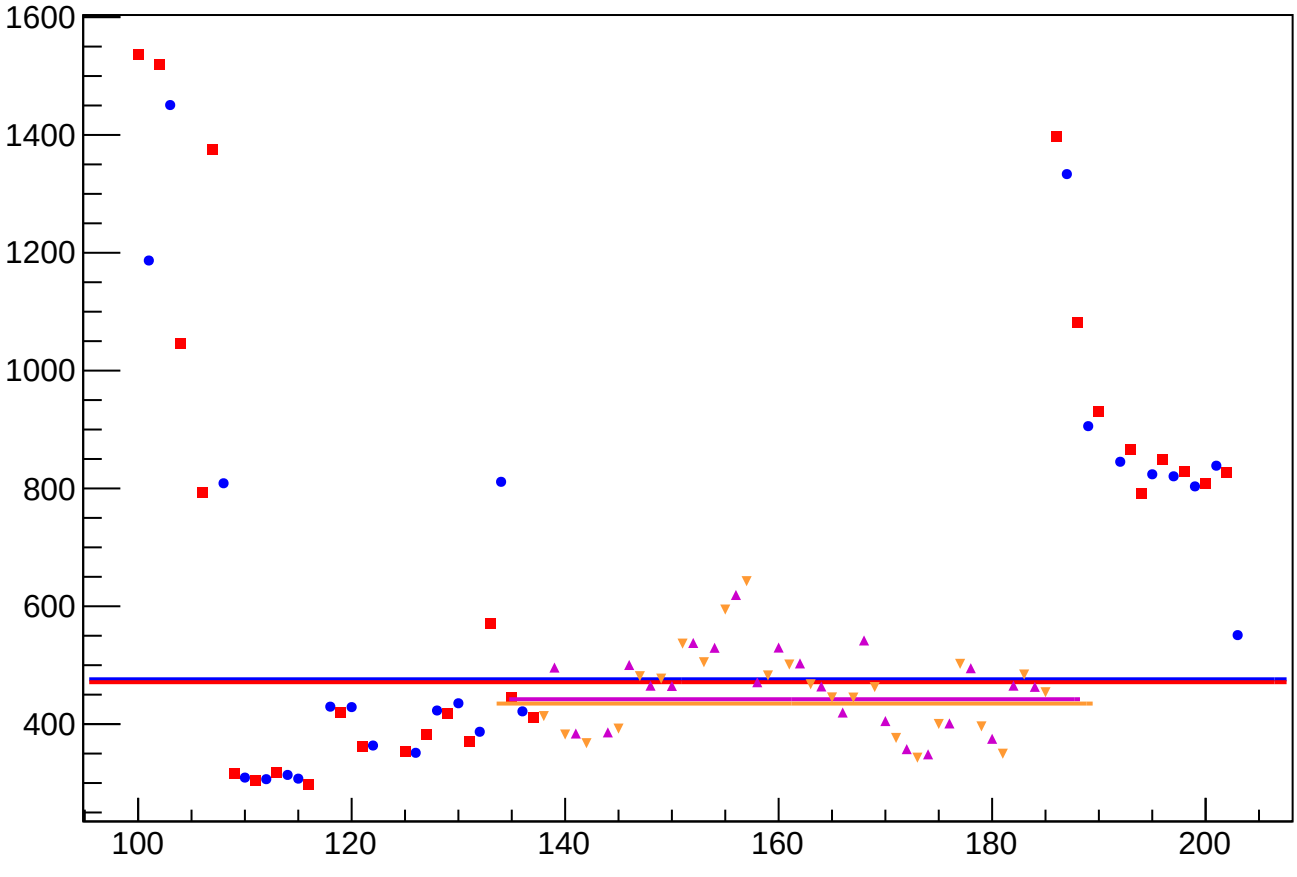
Right: 22.663+/-100.931 χ^2/NDF: 59.8/50

In: -48.373+/-84.673 χ^2/NDF:64.4/46

Out: -159.967+/-83.090 χ^2/NDF:82.9/50

All: -105.223+/-59.305 χ^2/NDF: 148.2/97

asym_us_dd_atlr_dd_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 476.053+/-0.102 χ^2/NDF: 4208300.0/23

Left Out: 434.856+/-0.073 χ^2/NDF:878507.3/23

Right Out: 471.144+/-0.100 χ^2/NDF: 5337930.8/26

Left In: 442.210+/-0.074 χ^2/NDF:825844.5/22

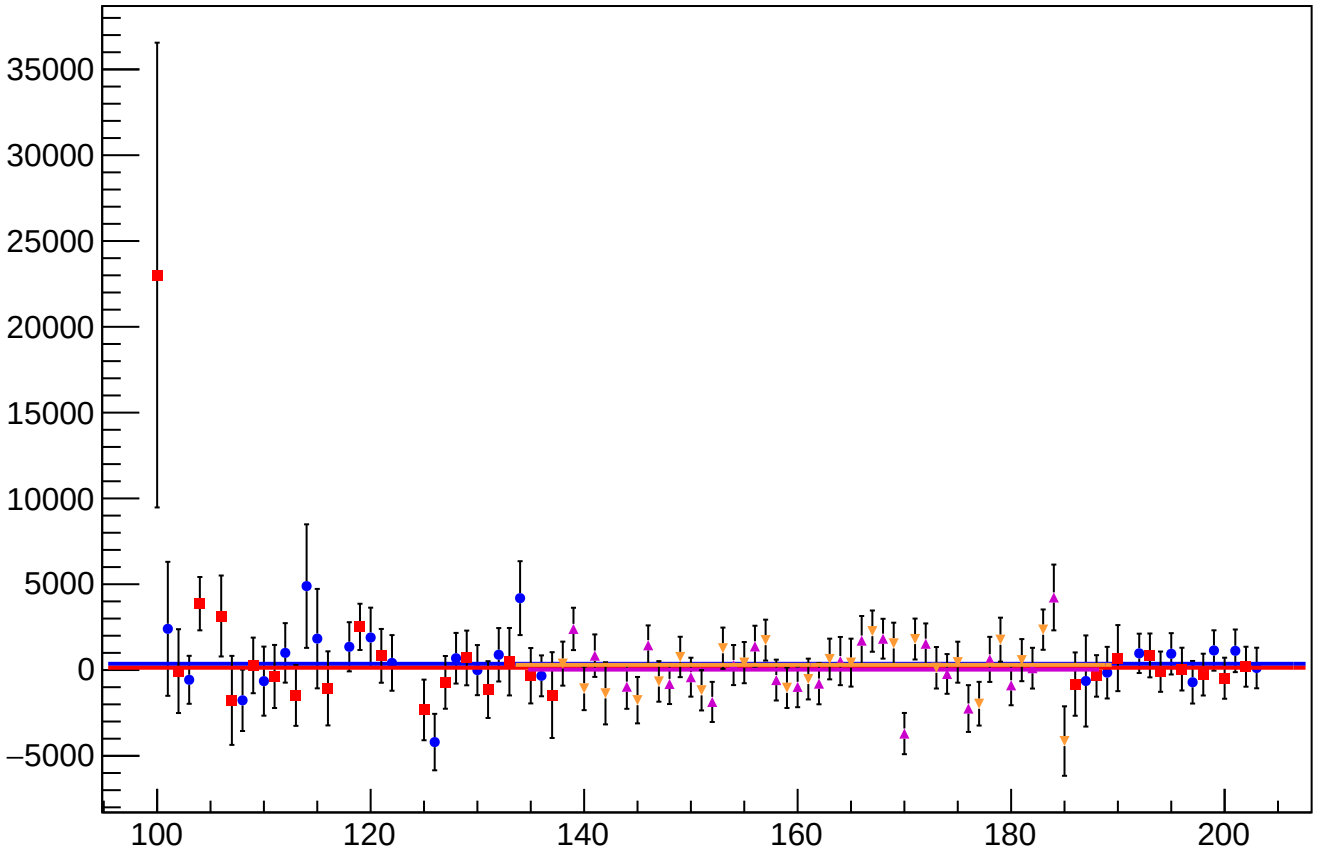
Left: 438.457+/-0.052 χ^2/NDF: 1709383.2/46

Right: 473.560+/-0.071 χ^2/NDF: 9547413.3/50

In: 453.932+/-0.060 χ^2/NDF:5106481.5/46

Out: 447.345+/-0.059 χ^2/NDF:6302541.8/50

All: 450.576+/-0.042 χ^2/NDF: 11415189.9/97



Right In: 363.198+/-312.090 χ^2/NDF: 19.4/23

Left Out: 303.404+/-255.556 χ^2/NDF:28.5/23

Right Out: 134.378+/-305.265 χ^2/NDF: 20.1/26

Left In: 25.319+/-256.866 χ^2/NDF:35.9/22

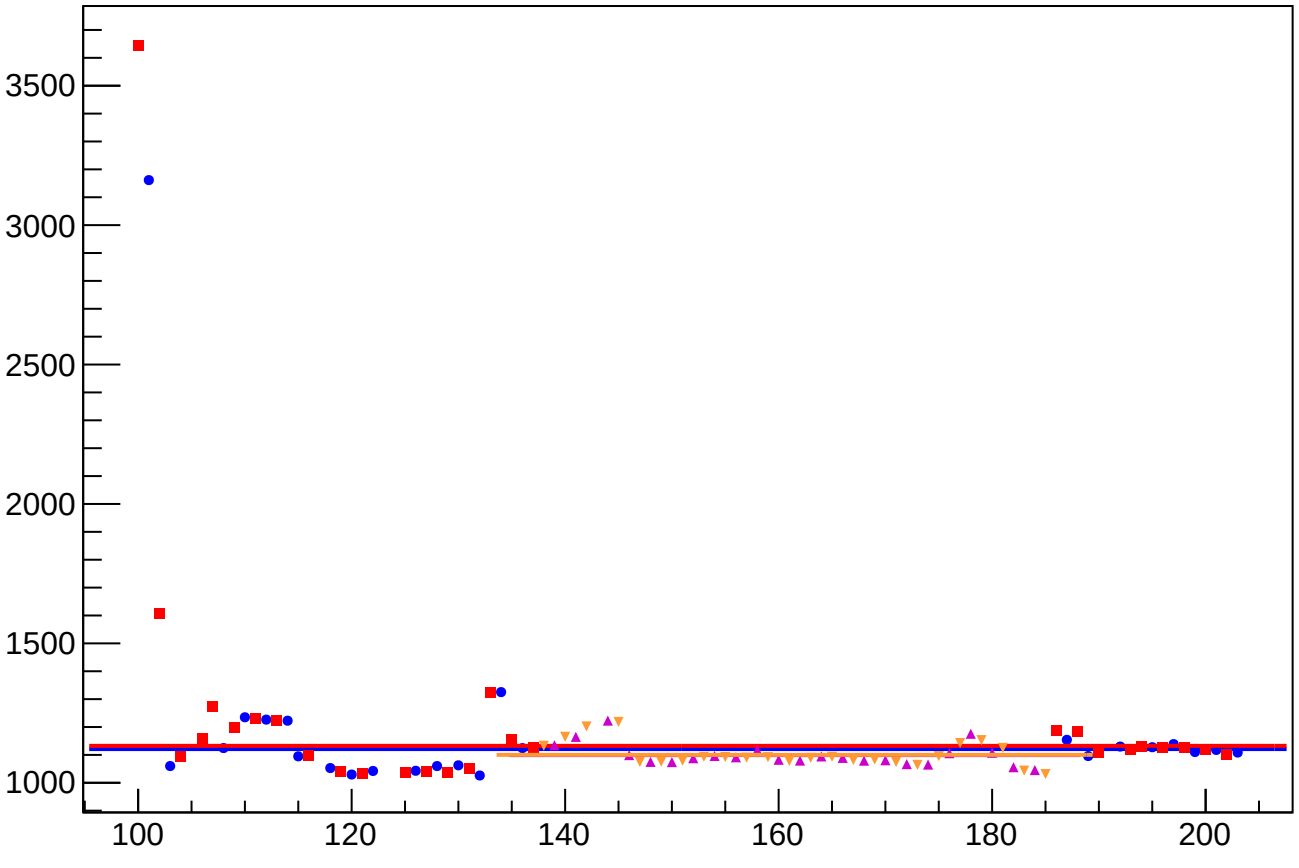
Left: 165.072+/-181.167 χ^2/NDF: 64.9/46

Right: 246.259+/-218.228 χ^2/NDF: 39.8/50

In: 161.769+/-198.329 χ^2/NDF:56.0/46

Out: 233.756+/-195.954 χ^2/NDF:48.7/50

All: 198.196+/-139.393 χ^2/NDF: 104.8/97



Right In: 1120.936+/-0.221 χ^2/NDF: 618885.7/23

Left Out: 1100.258+/-0.181 χ^2/NDF:48774.1/23

Right Out: 1132.457+/-0.216 χ^2/NDF: 235099.8/26

Left In: 1099.342+/-0.182 χ^2/NDF:44785.6/22

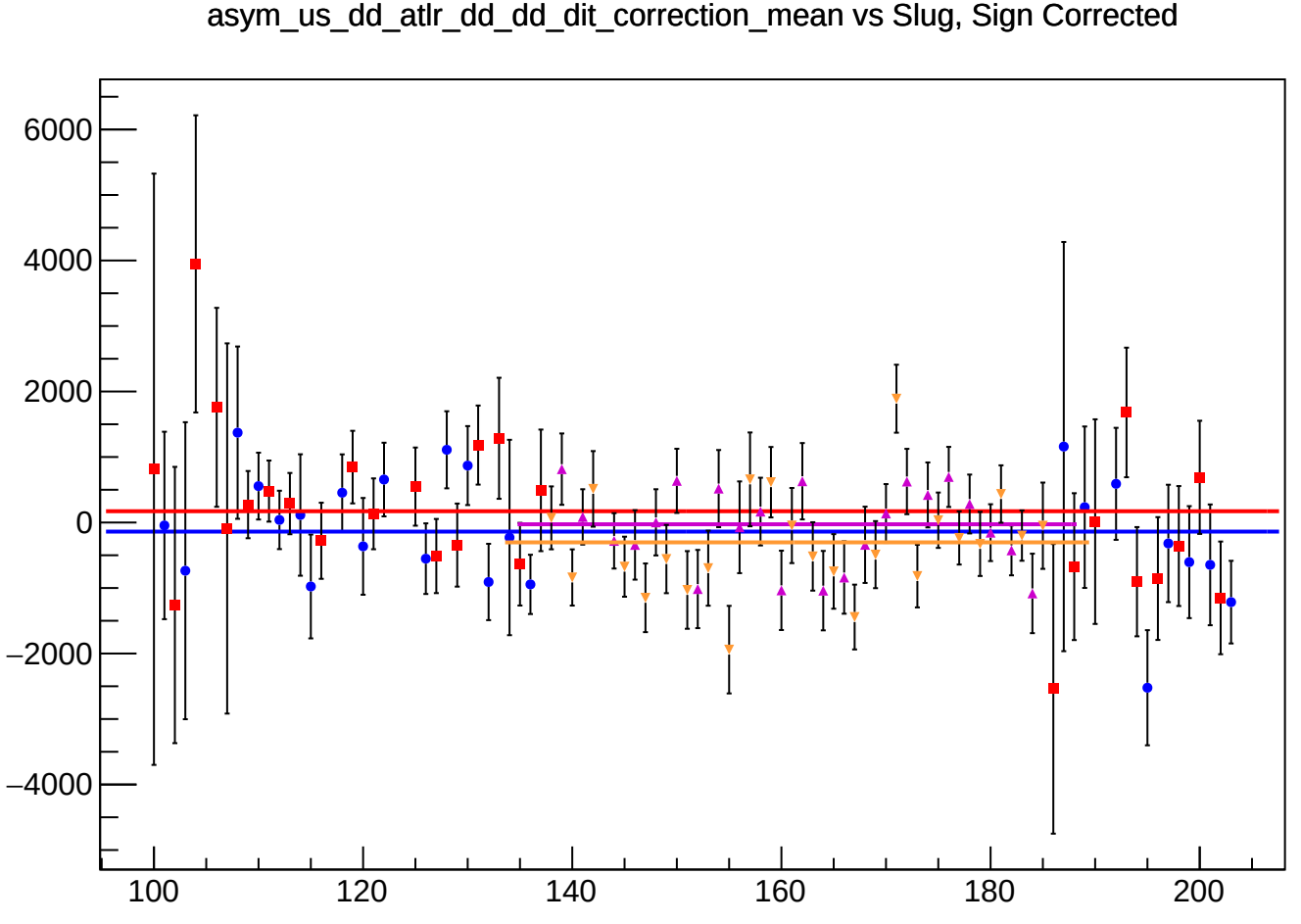
Left: 1099.802+/-0.128 χ^2/NDF: 93572.4/46

Right: 1126.824+/-0.154 χ^2/NDF: 855378.4/50

In: 1108.063+/-0.140 χ^2/NDF:669379.6/46

Out: 1113.526+/-0.139 χ^2/NDF:296956.9/50

All: 1110.827+/-0.099 χ^2/NDF: 967104.5/97



Right In: -138.641+/-144.483 χ^2/NDF: 32.4/23

Left Out: -303.217+/-102.979 χ^2/NDF:49.5/23

Right Out: 172.332+/-143.540 χ^2/NDF: 25.8/26

Left In: -26.740+/-105.420 χ^2/NDF:27.9/22

Left: -168.216+/-73.665 χ^2/NDF: 80.9/46

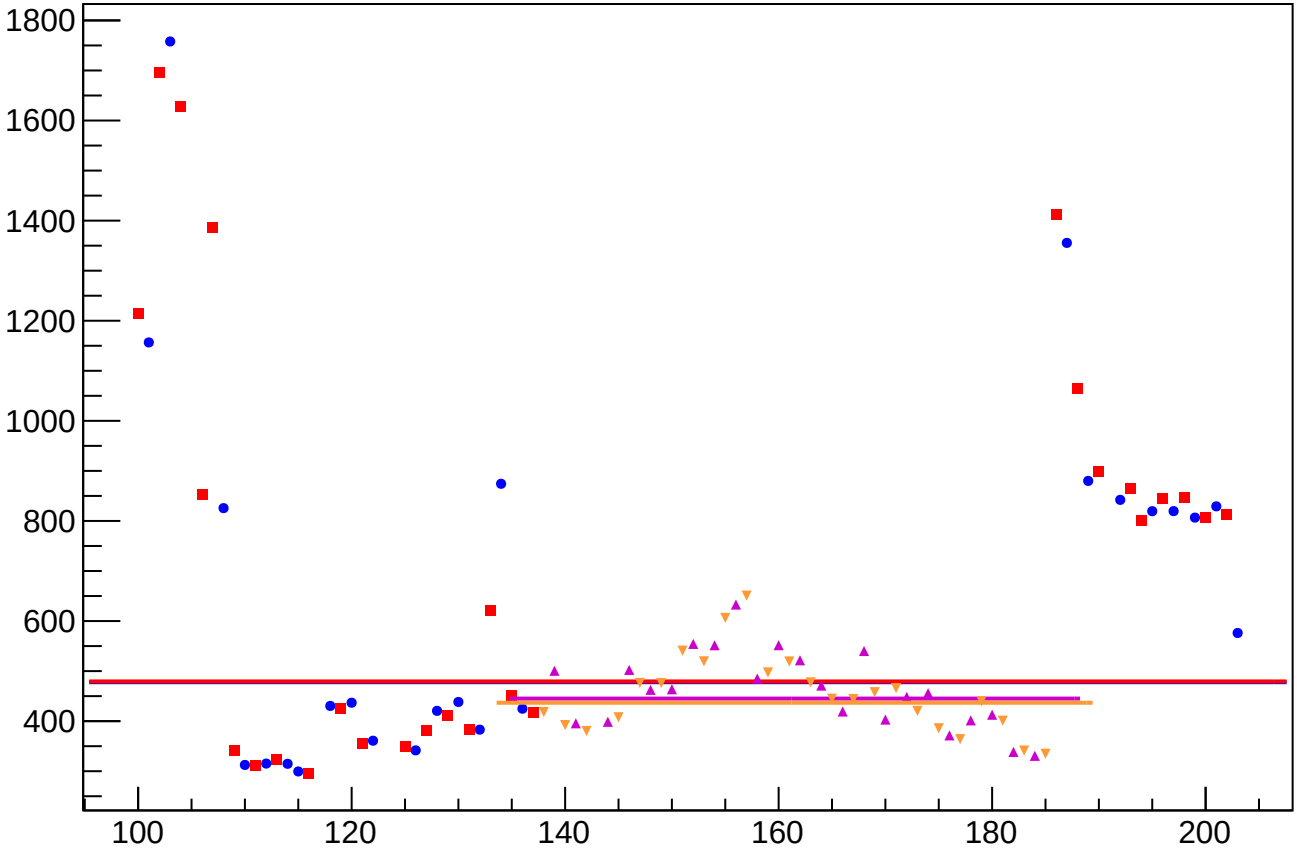
Right: 17.864+/-101.830 χ^2/NDF: 60.6/50

In: -65.616+/-85.161 χ^2/NDF:60.7/46

Out: -141.623+/-83.673 χ^2/NDF:82.6/50

All: -104.290+/-59.685 χ^2/NDF: 143.7/97

asym_us_dd_atlr_dd_dd_dit_correction_rms vs Slug, Sign Corrected



Right In: 477.832+/-0.102 χ^2/NDF: 4312241.6/23

Left Out: 436.787+/-0.073 χ^2/NDF:855206.3/23

Right Out: 479.342+/-0.101 χ^2/NDF: 5657912.2/26

Left In: 445.109+/-0.075 χ^2/NDF:874534.9/22

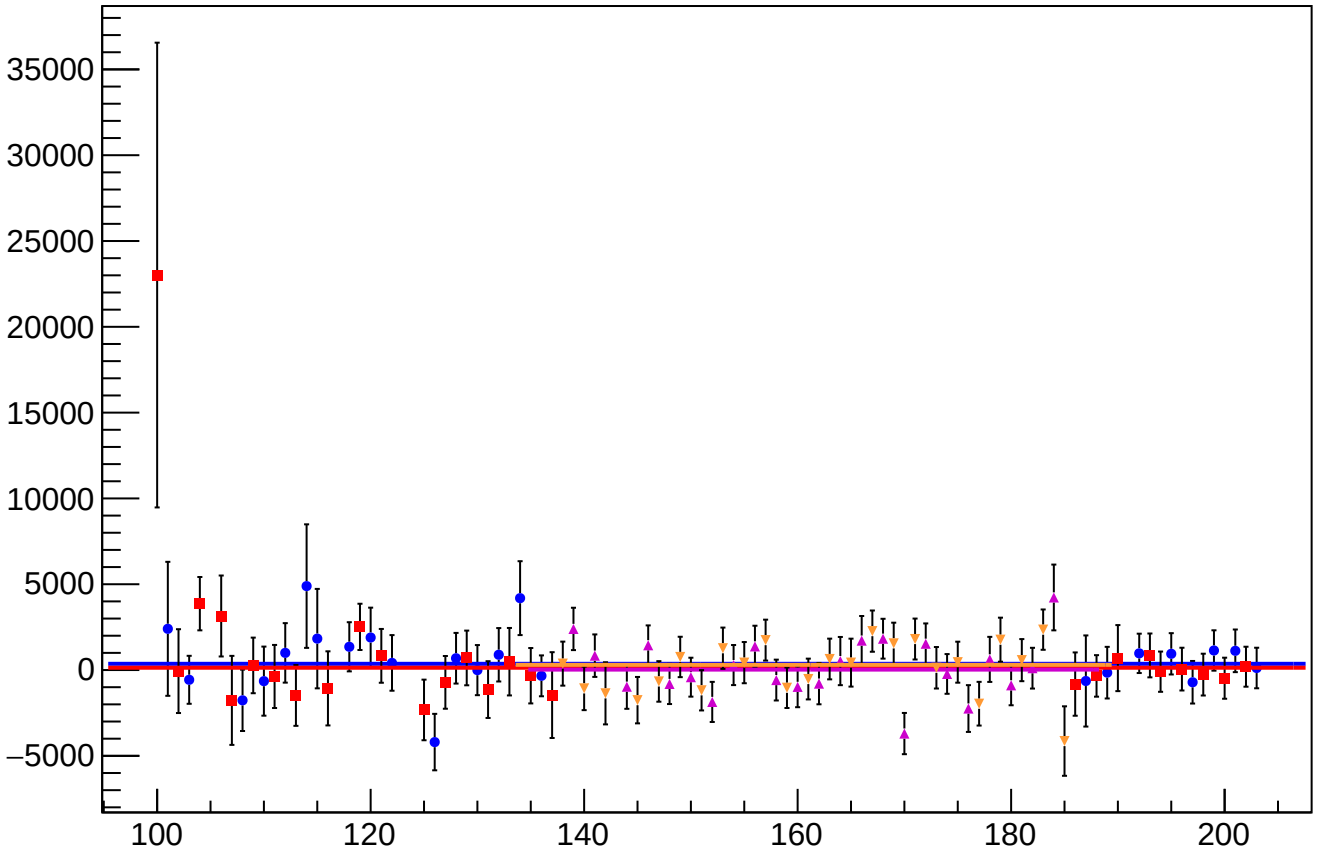
Left: 440.850+/-0.052 χ^2/NDF: 1736118.5/46

Right: 478.592+/-0.072 χ^2/NDF: 9970263.7/50

In: 456.478+/-0.060 χ^2/NDF:5253726.6/46

Out: 451.247+/-0.059 χ^2/NDF:6629172.3/50

All: 453.816+/-0.042 χ^2/NDF: 11886737.2/97



Right In: 363.201+/-312.090 χ^2/NDF: 19.4/23

Left Out: 303.402+/-255.556 χ^2/NDF:28.5/23

Right Out: 134.378+/-305.265 χ^2/NDF: 20.1/26

Left In: 25.320+/-256.866 χ^2/NDF:35.9/22

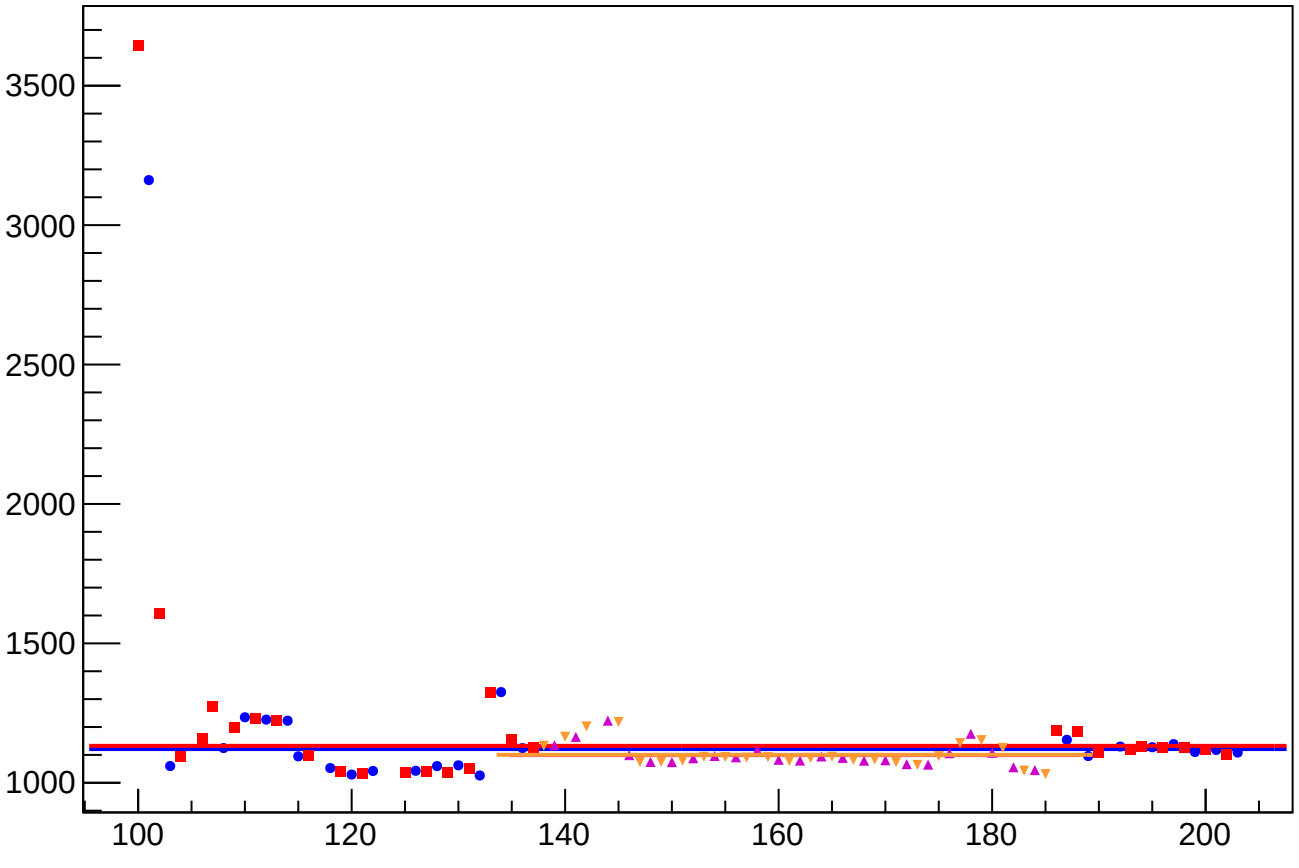
Left: 165.071+/-181.167 χ^2/NDF: 64.9/46

Right: 246.260+/-218.228 χ^2/NDF: 39.8/50

In: 161.770+/-198.329 χ^2/NDF:56.0/46

Out: 233.755+/-195.954 χ^2/NDF:48.7/50

All: 198.196+/-139.393 χ^2/NDF: 104.8/97



Right In: 1120.936+/-0.221 χ^2/NDF: 618885.7/23

Left Out: 1100.258+/-0.181 χ^2/NDF:48774.3/23

Right Out: 1132.457+/-0.216 χ^2/NDF: 235099.8/26

Left In: 1099.342+/-0.182 χ^2/NDF:44785.7/22

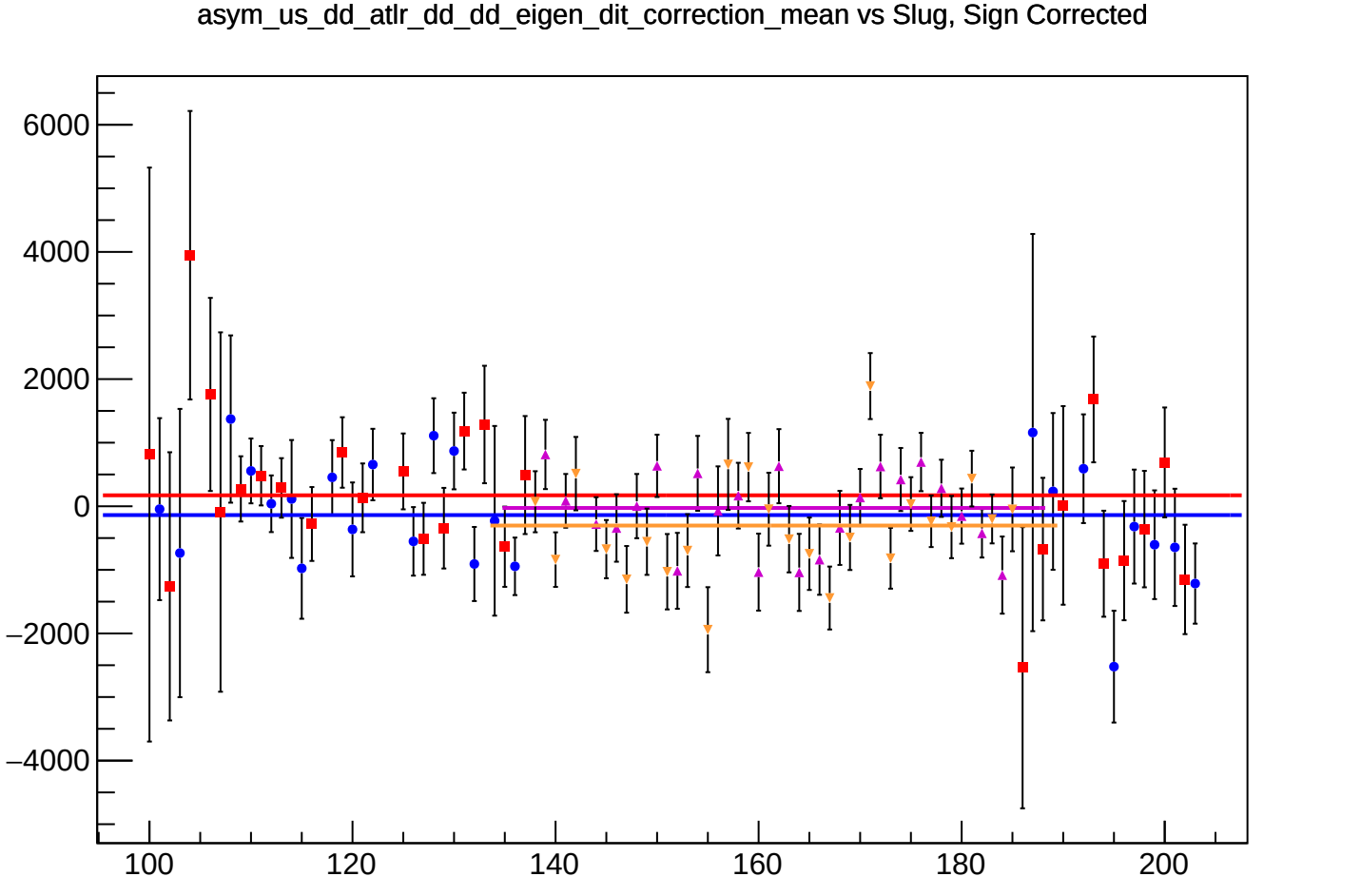
Left: 1099.802+/-0.128 χ^2/NDF: 93572.8/46

Right: 1126.824+/-0.154 χ^2/NDF: 855378.5/50

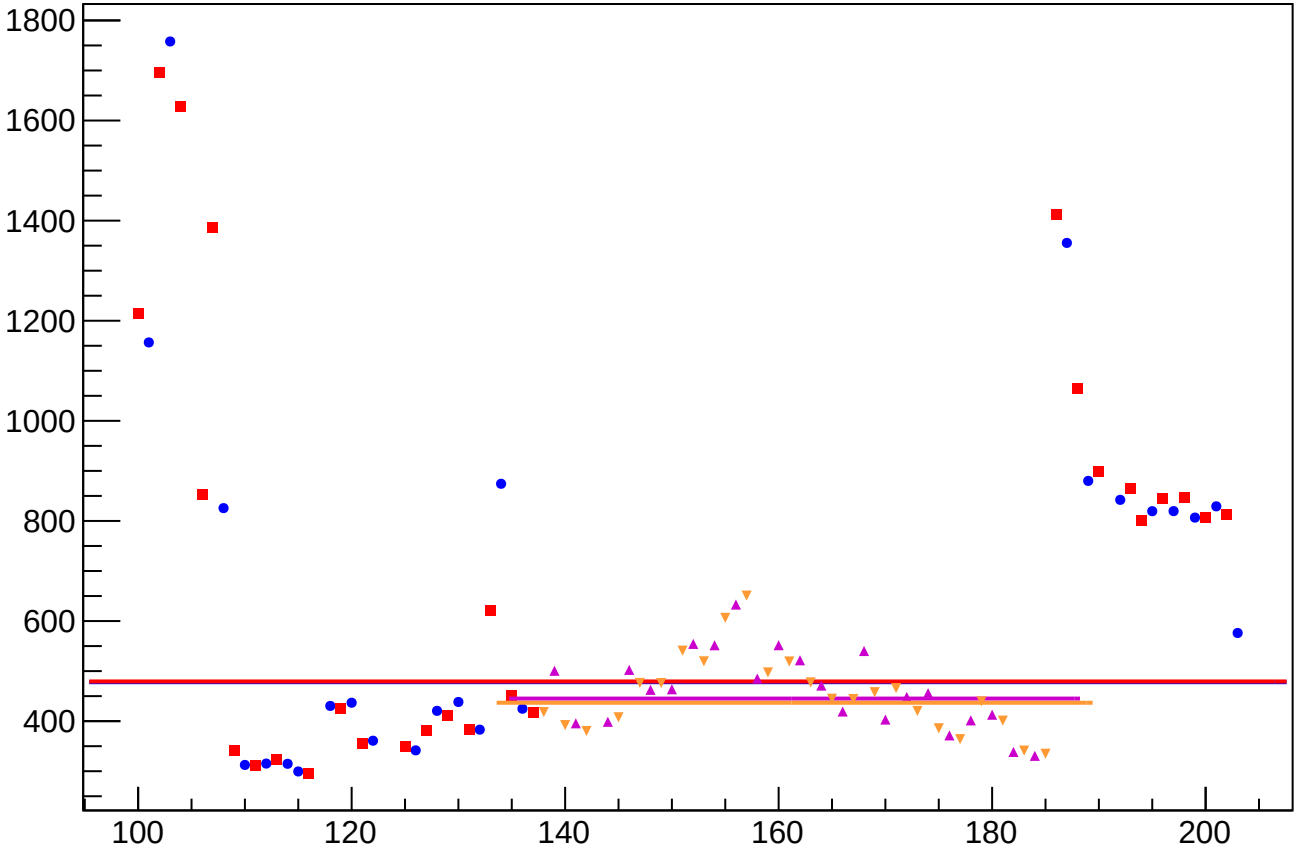
In: 1108.063+/-0.140 χ^2/NDF:669379.8/46

Out: 1113.526+/-0.139 χ^2/NDF:296957.1/50

All: 1110.827+/-0.099 χ^2/NDF: 967104.8/97


asym_us_dd_atlr_dd_dd_eigen_dit_correction_mean vs Slug, Sign Corrected
6000
4000
2000
0
−2000
−4000
100
120
140
160
180
200
Right In: -138.641+/-144.482 χ²/NDF: 32.4/23
Left Out: -303.218+/-102.979 χ²/NDF:49.5/23
Right Out: 172.331+/-143.539 χ²/NDF: 25.8/26
Left In: -26.739+/-105.420 χ²/NDF:27.9/22
Left: -168.217+/-73.665 χ²/NDF: 80.9/46
Right: 17.863+/-101.829 χ²/NDF: 60.6/50
In: -65.616+/-85.161 χ²/NDF:60.7/46
Out: -141.623+/-83.673 χ²/NDF:82.6/50
All: -104.290+/-59.685 χ²/NDF: 143.7/97

asym_us_dd_atlr_dd_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 477.829+/-0.102 χ^2/NDF: 4312282.5/23

Left Out: 436.787+/-0.073 χ^2/NDF:855236.5/23

Right Out: 479.338+/-0.101 χ^2/NDF: 5657972.4/26

Left In: 445.108+/-0.075 χ^2/NDF:874568.8/22

Left: 440.850+/-0.052 χ^2/NDF: 1736182.6/46

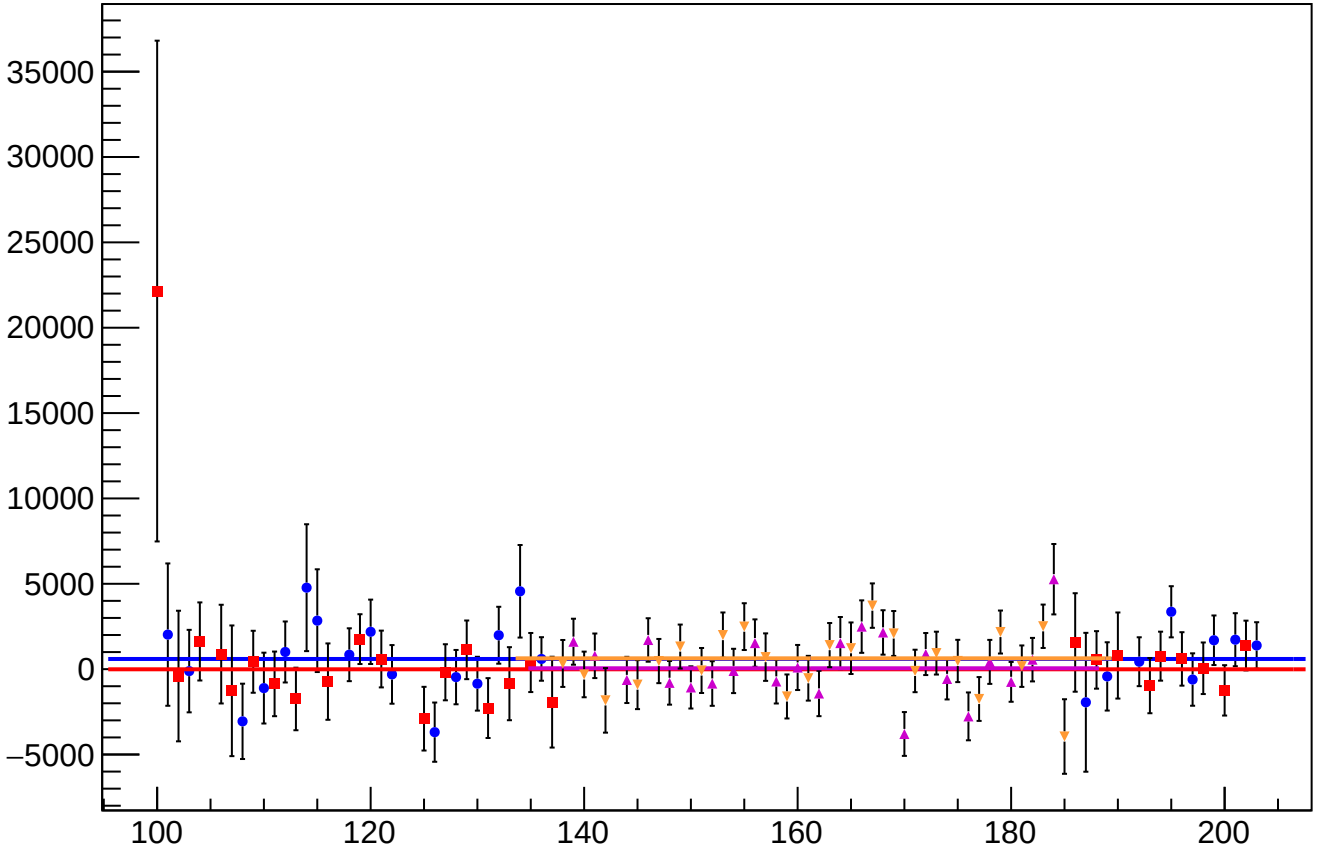
Right: 478.589+/-0.072 χ^2/NDF: 9970364.8/50

In: 456.476+/-0.060 χ^2/NDF:5253790.0/46

Out: 451.246+/-0.059 χ^2/NDF:6629246.0/50

All: 453.815+/-0.042 χ^2/NDF: 11886874.2/97

asym_us_dd_atlr_dd_dd_mean vs Slug, Sign Corrected



Right In: 596.032+/-364.255 χ^2/NDF: 22.9/23

Left Out: 632.875+/-274.060 χ^2/NDF:30.1/23

Right Out: -8.558+/-361.444 χ^2/NDF: 14.0/26

Left In: 50.835+/-276.213 χ^2/NDF:35.0/22

Left: 344.131+/-194.546 χ^2/NDF: 67.4/46

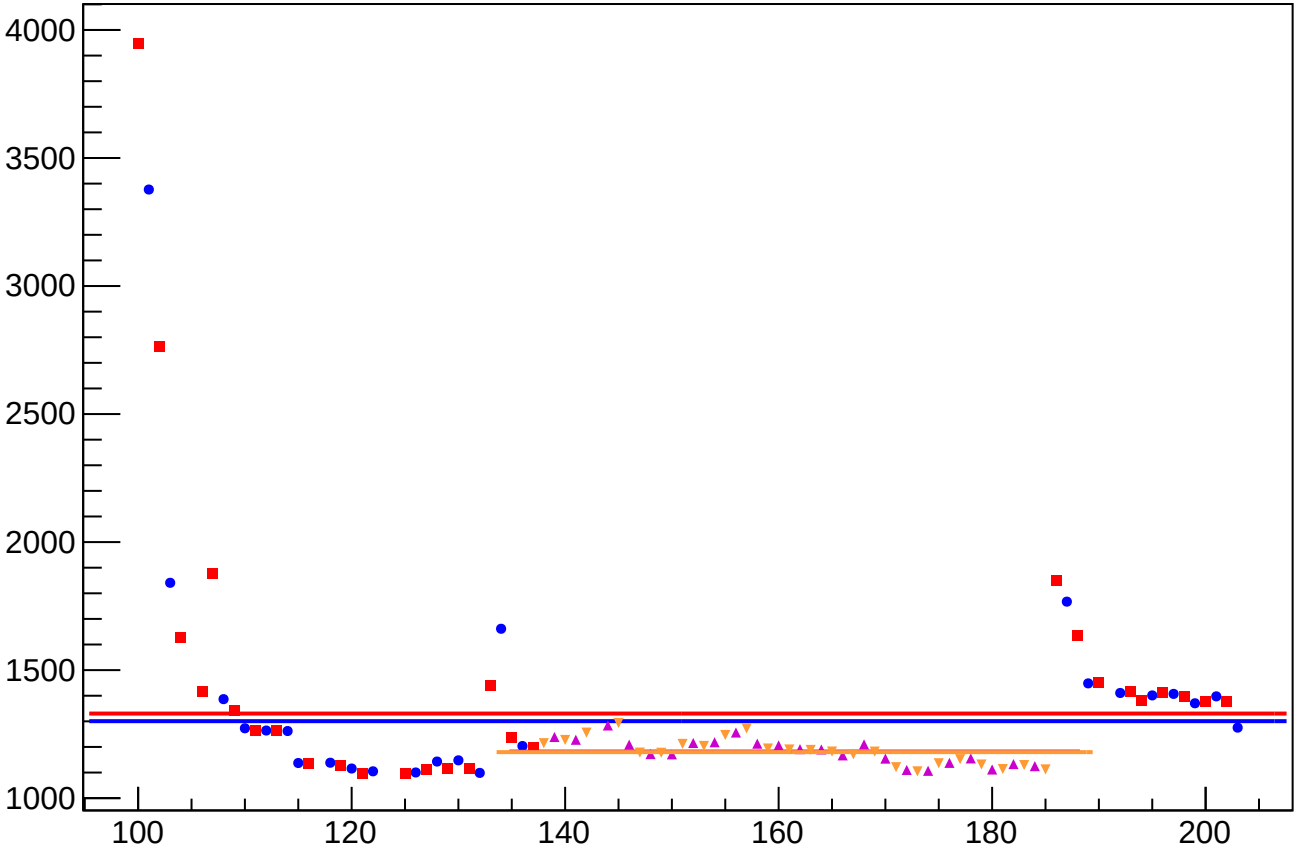
Right: 291.396+/-256.568 χ^2/NDF: 38.3/50

In: 249.878+/-220.091 χ^2/NDF:59.3/46

Out: 398.721+/-218.382 χ^2/NDF:46.2/50

All: 324.879+/-155.020 χ^2/NDF: 105.7/97

asym_us_dd_atlr_dd_dd_rms vs Slug, Sign Corrected



Right In: 1300.628+/-0.258 χ^2/NDF: 896007.8/23

Left Out: 1179.713+/-0.194 χ^2/NDF:64667.7/23

Right Out: 1330.358+/-0.256 χ^2/NDF: 820776.8/26

Left In: 1181.929+/-0.195 χ^2/NDF:60355.9/22

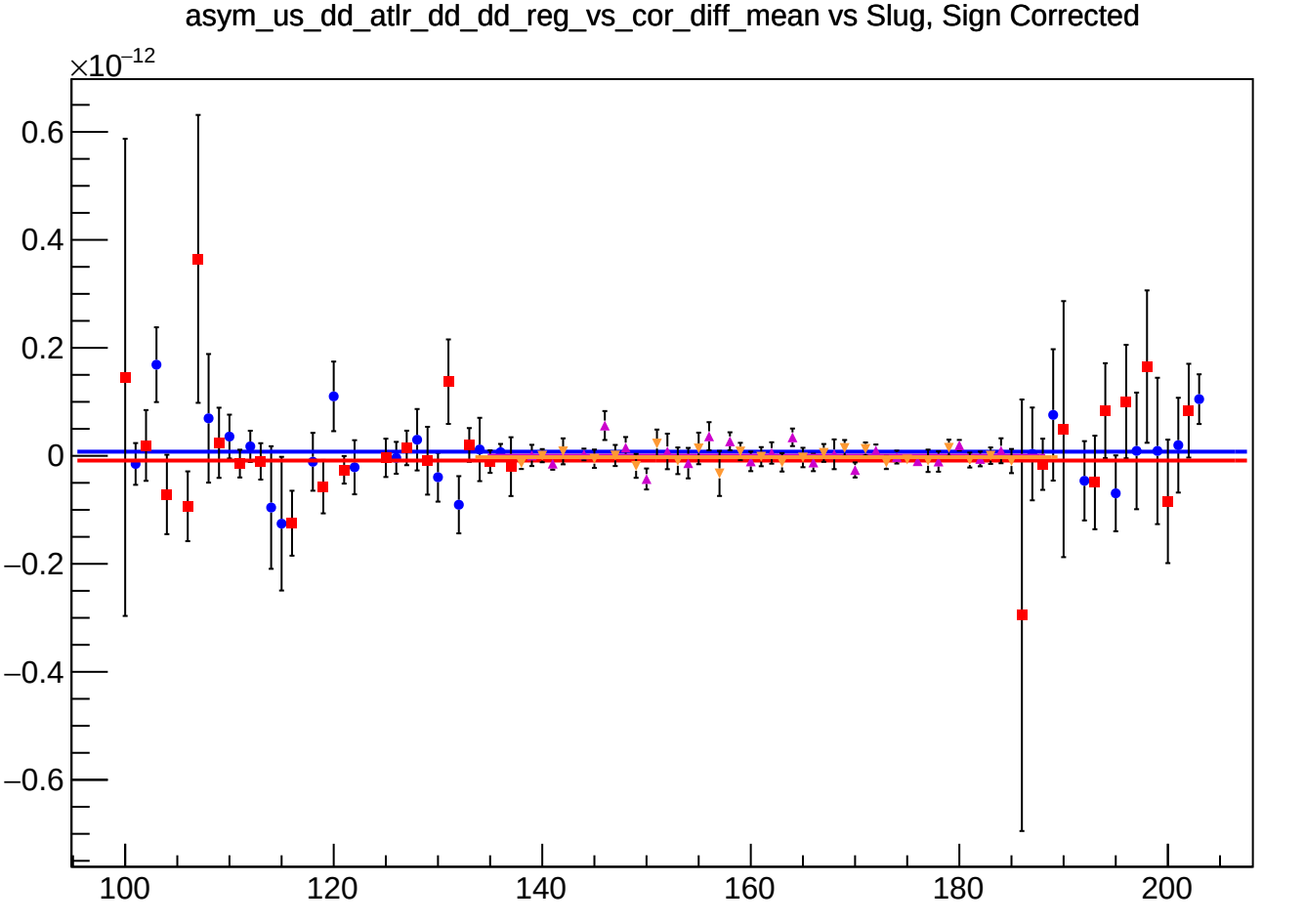
Left: 1180.812+/-0.138 χ^2/NDF: 125088.5/46

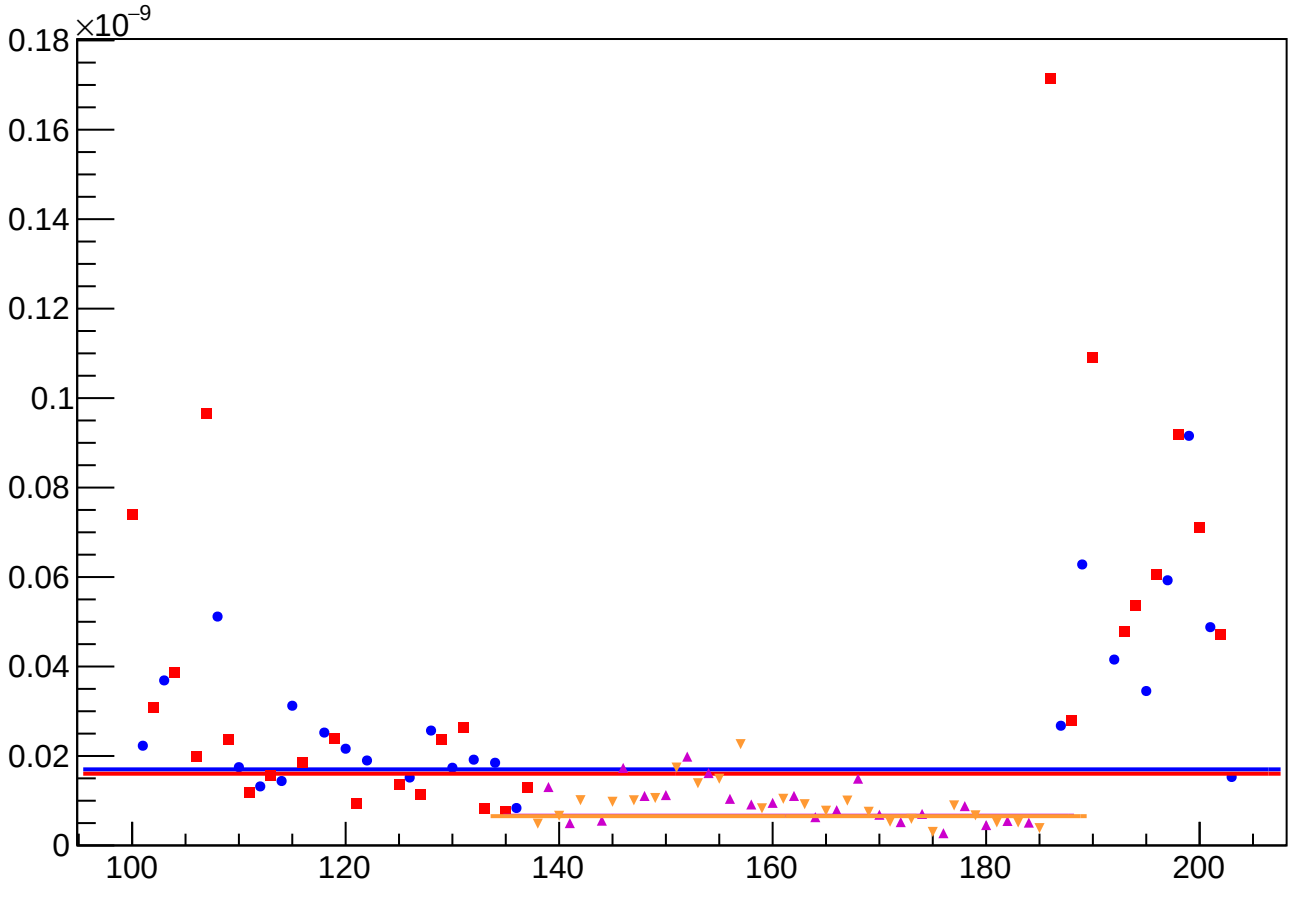
Right: 1315.608+/-0.181 χ^2/NDF: 1723498.1/50

In: 1225.264+/-0.156 χ^2/NDF:1091207.0/46

Out: 1234.706+/-0.154 χ^2/NDF:1106041.2/50

All: 1230.022+/-0.110 χ^2/NDF: 2199103.0/97


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: 23.0/23
Left Out: -0.000+/-0.000 χ²/NDF:10.5/23
Right Out: -0.000+/-0.000 χ²/NDF: 21.2/26
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: 45.8/50
In: 0.000+/-0.000 χ²/NDF:56.1/46
Out: -0.000+/-0.000 χ²/NDF:32.1/50
All: -0.000+/-0.000 χ²/NDF: 89.2/97



Right In: 0.000+/-0.000 χ^2/NDF: 3018129.6/23

Left Out: 0.000+/-0.000 χ^2/NDF:2332749.6/23

Right Out: 0.000+/-0.000 χ^2/NDF: 4407450.8/26

Left In: 0.000+/-0.000 χ^2/NDF:2542530.1/22

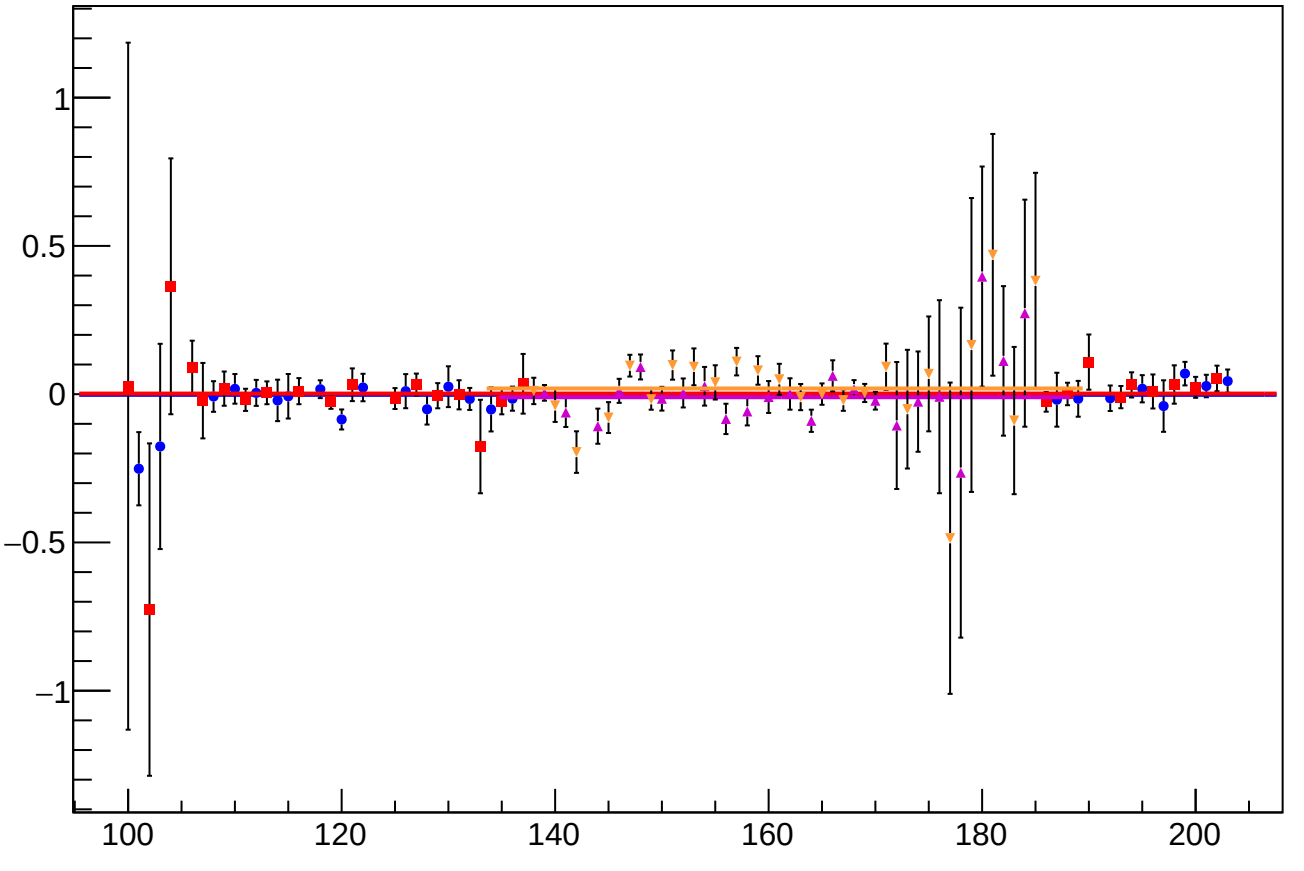
Left: 0.000+/-0.000 χ^2/NDF: 4876422.9/46

Right: 0.000+/-0.000 χ^2/NDF: 7437131.1/50

In: 0.000+/-0.000 χ^2/NDF:7886655.9/46

Out: 0.000+/-0.000 χ^2/NDF:8757193.4/50

All: 0.000+/-0.000 χ^2/NDF: 16648220.7/97



Right In: -0.002+/-0.010 χ^2/NDF: 18.9/23

Left Out: 0.019+/-0.011 χ^2/NDF:35.9/23

Right Out: 0.002+/-0.009 χ^2/NDF: 12.7/26

Left In: -0.010+/-0.010 χ^2/NDF:23.6/22

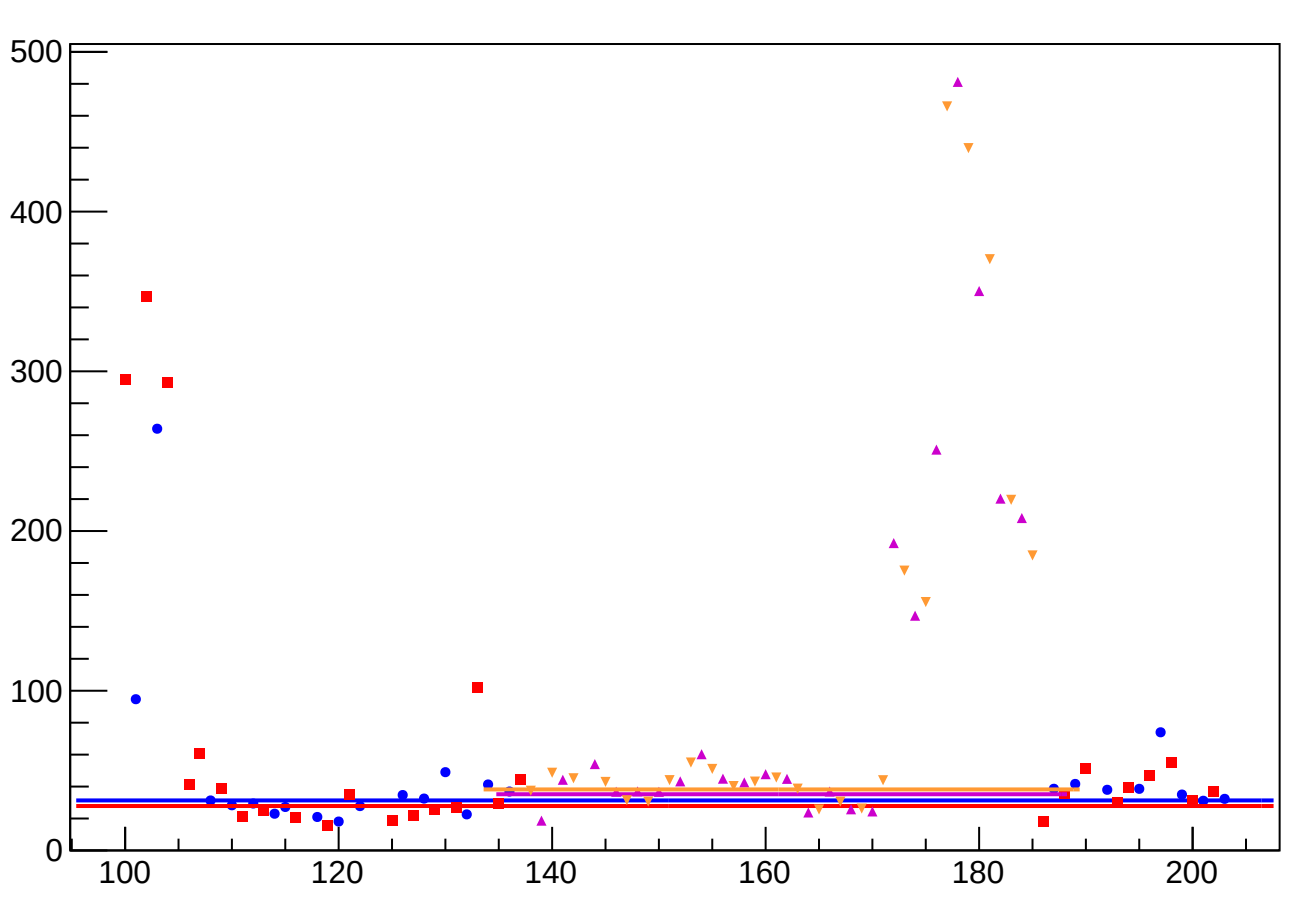
Left: 0.004+/-0.007 χ^2/NDF: 63.5/46

Right: 0.000+/-0.007 χ^2/NDF: 31.8/50

In: -0.006+/-0.007 χ^2/NDF:42.8/46

Out: 0.009+/-0.007 χ^2/NDF:50.2/50

All: 0.002+/-0.005 χ^2/NDF: 95.4/97



Right In: 31.326+/-0.007 χ^2/NDF: 3027561.2/23

Left Out: 38.211+/-0.008 χ^2/NDF:8285024.8/23

Right Out: 27.821+/-0.006 χ^2/NDF: 4341493.9/26

Left In: 35.195+/-0.007 χ^2/NDF:9390926.6/22

Left: 36.625+/-0.005 χ^2/NDF: 17757838.6/46

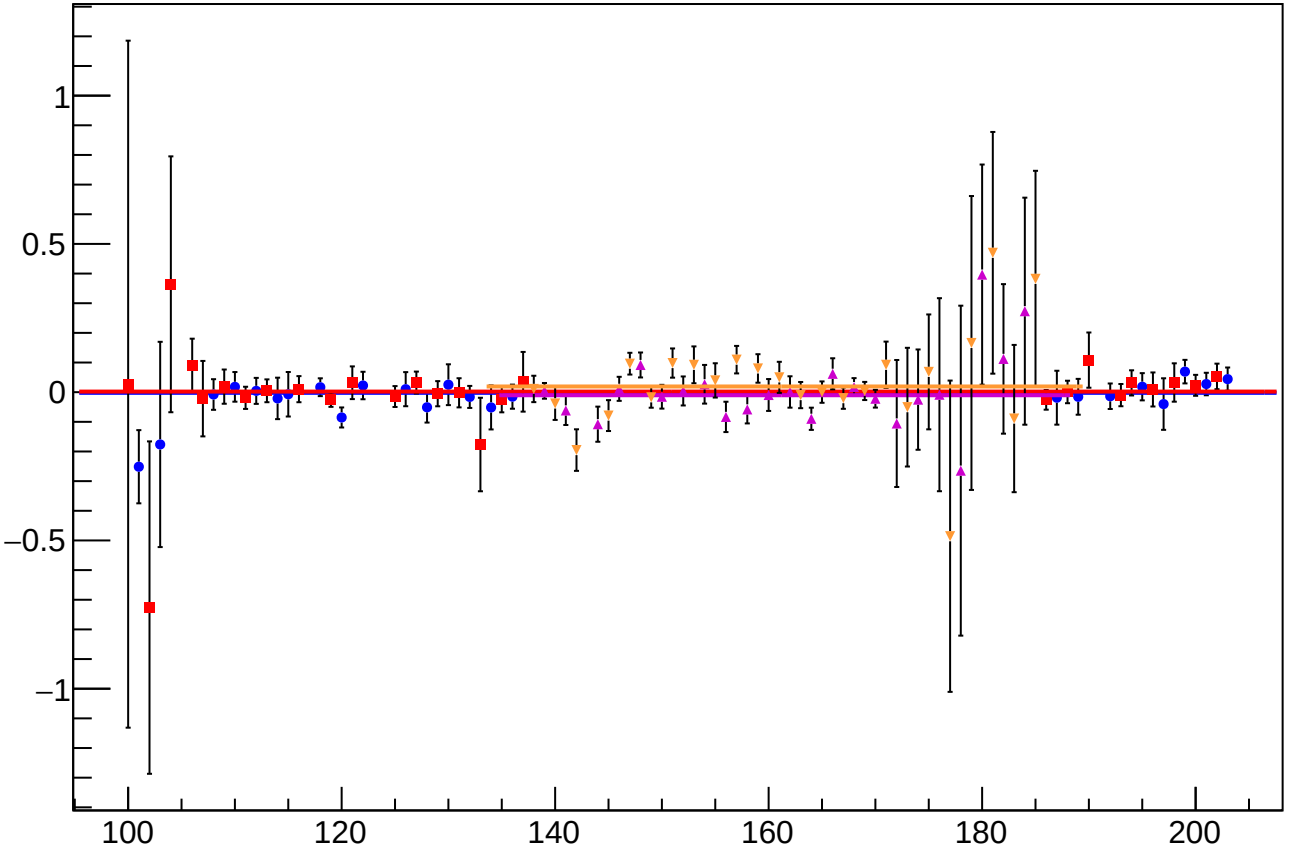
Right: 29.389+/-0.005 χ^2/NDF: 7506642.4/50

In: 33.198+/-0.005 χ^2/NDF:12565197.1/46

Out: 32.041+/-0.005 χ^2/NDF:13724236.3/50

All: 32.599+/-0.004 χ^2/NDF: 26316648.9/97

asym_us_dd_atlr_dd_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.002+/-0.010 χ^2/NDF: 18.9/23

Left Out: 0.019+/-0.011 χ^2/NDF:35.9/23

Right Out: 0.002+/-0.009 χ^2/NDF: 12.7/26

Left In: -0.010+/-0.010 χ^2/NDF:23.6/22

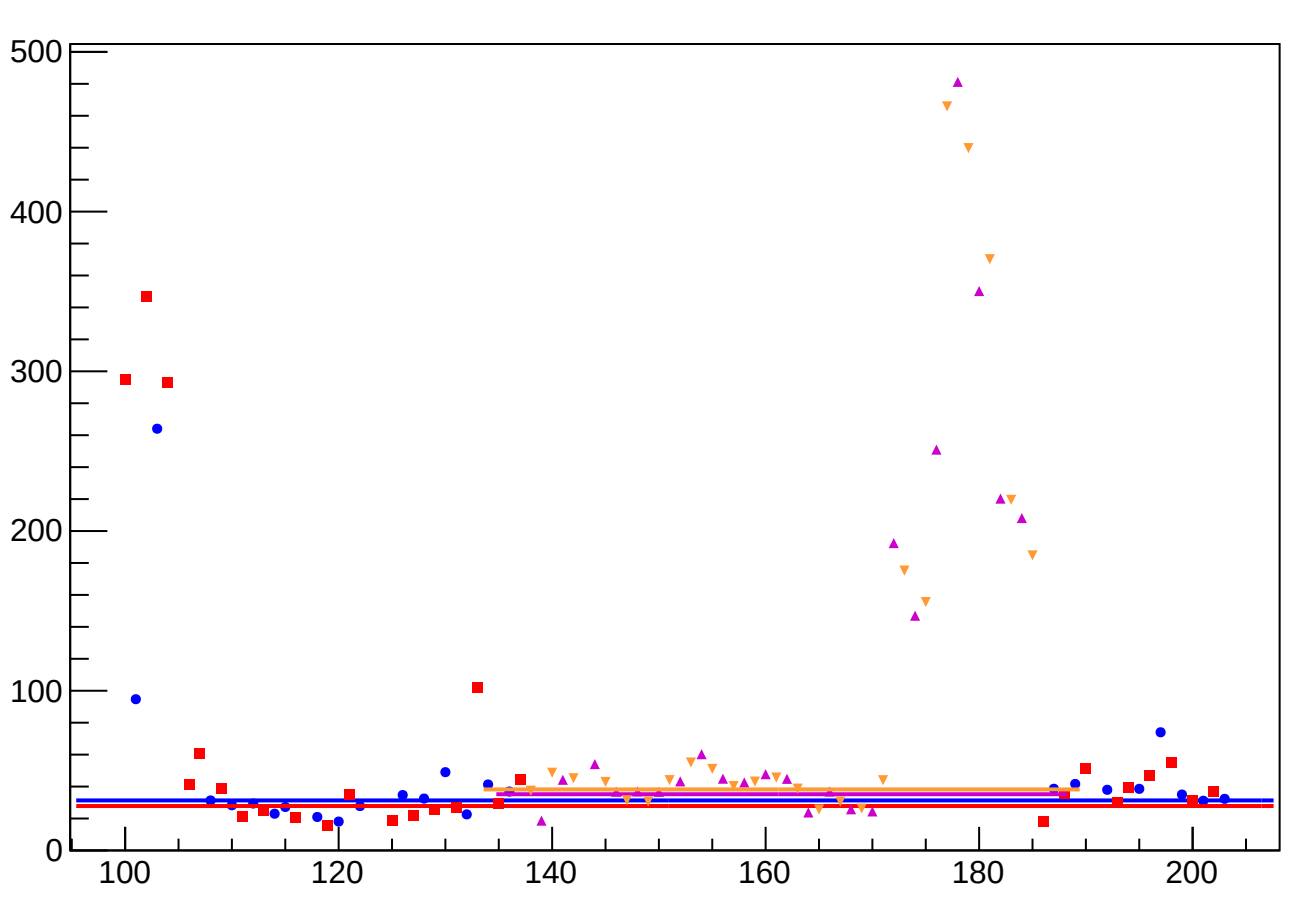
Left: 0.004+/-0.007 χ^2/NDF: 63.5/46

Right: 0.000+/-0.007 χ^2/NDF: 31.8/50

In: -0.006+/-0.007 χ^2/NDF:42.8/46

Out: 0.009+/-0.007 χ^2/NDF:50.2/50

All: 0.002+/-0.005 χ^2/NDF: 95.4/97



Right In: 31.326+/-0.007 χ^2/NDF: 3027561.2/23

Left Out: 38.211+/-0.008 χ^2/NDF:8285024.8/23

Right Out: 27.821+/-0.006 χ^2/NDF: 4341493.9/26

Left In: 35.195+/-0.007 χ^2/NDF:9390926.6/22

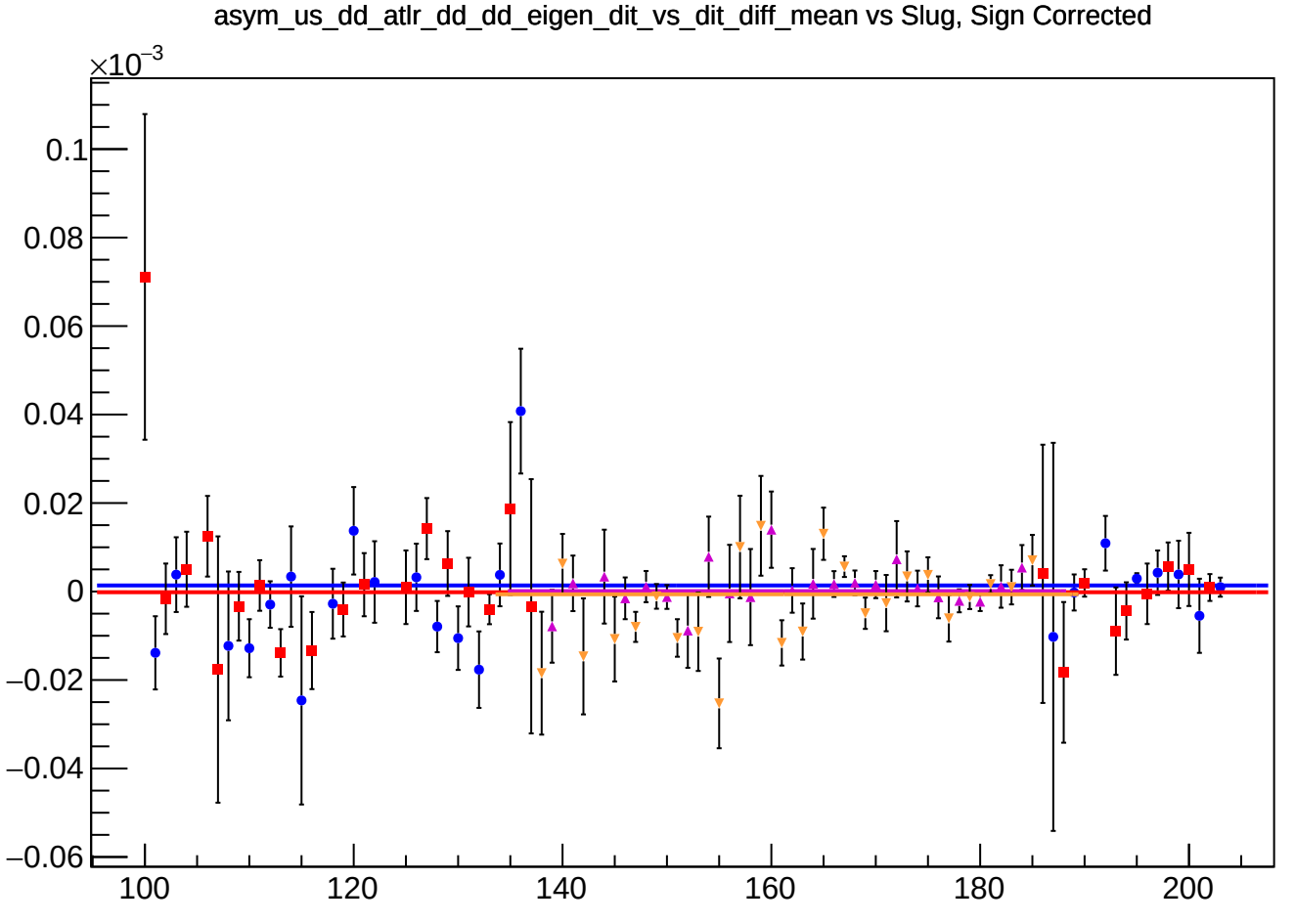
Left: 36.625+/-0.005 χ^2/NDF: 17757838.6/46

Right: 29.389+/-0.005 χ^2/NDF: 7506642.4/50

In: 33.198+/-0.005 χ^2/NDF:12565197.1/46

Out: 32.041+/-0.005 χ^2/NDF:13724236.3/50

All: 32.599+/-0.004 χ^2/NDF: 26316648.9/97



Right In: 0.000+/-0.000 χ^2/NDF: 36.1/23

Left Out: -0.000+/-0.000 χ^2/NDF:51.2/23

Right Out: -0.000+/-0.000 χ^2/NDF: 28.0/26

Left In: 0.000+/-0.000 χ^2/NDF:11.0/22

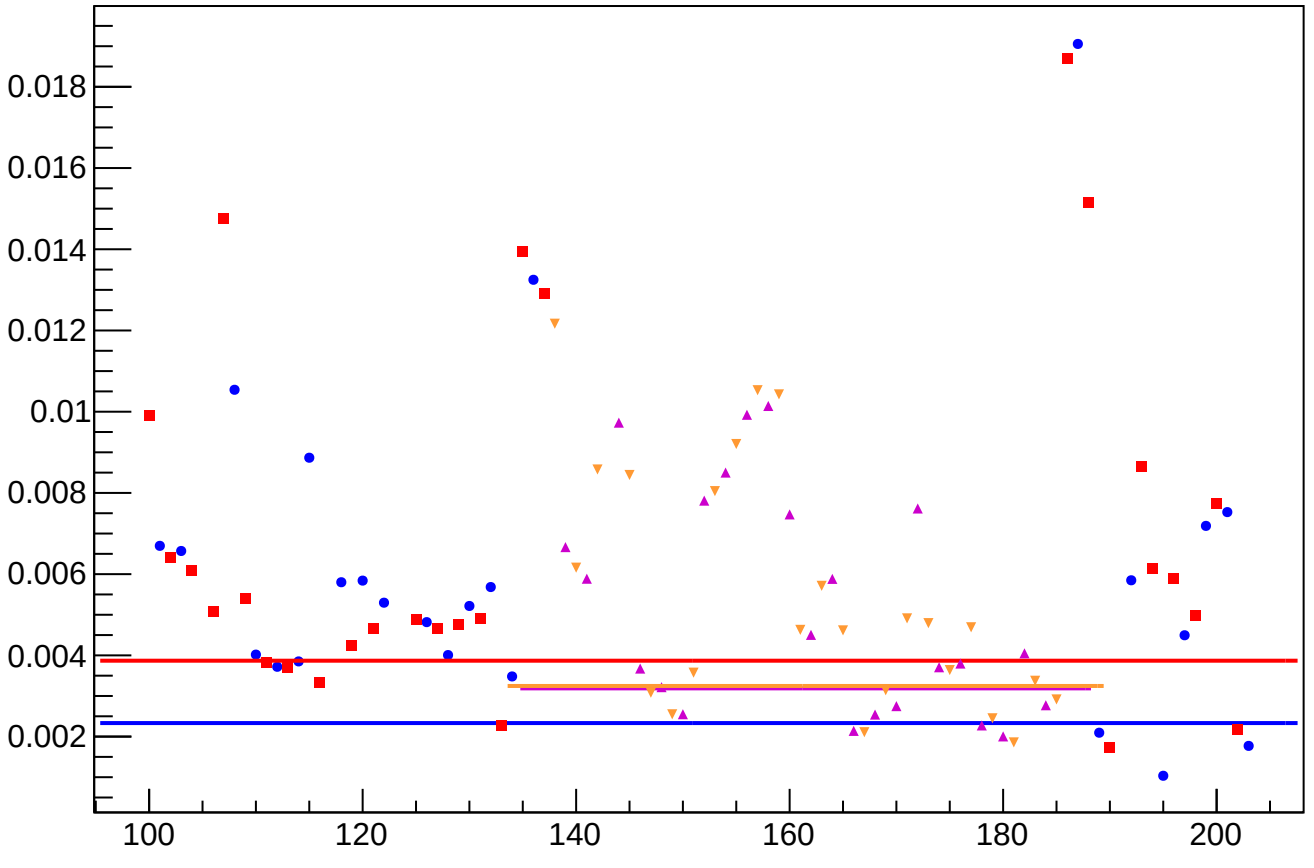
Left: -0.000+/-0.000 χ^2/NDF: 62.5/46

Right: 0.000+/-0.000 χ^2/NDF: 65.1/50

In: 0.000+/-0.000 χ^2/NDF:48.2/46

Out: -0.000+/-0.000 χ^2/NDF:79.3/50

All: 0.000+/-0.000 χ^2/NDF: 129.0/97



Right In: 0.002+/-0.000 χ^2/NDF: 10392944.2/23

Left Out: 0.003+/-0.000 χ^2/NDF:7736973.1/23

Right Out: 0.004+/-0.000 χ^2/NDF: 6606825.4/26

Left In: 0.003+/-0.000 χ^2/NDF:7301771.9/22

Left: 0.003+/-0.000 χ^2/NDF: 15043467.2/46

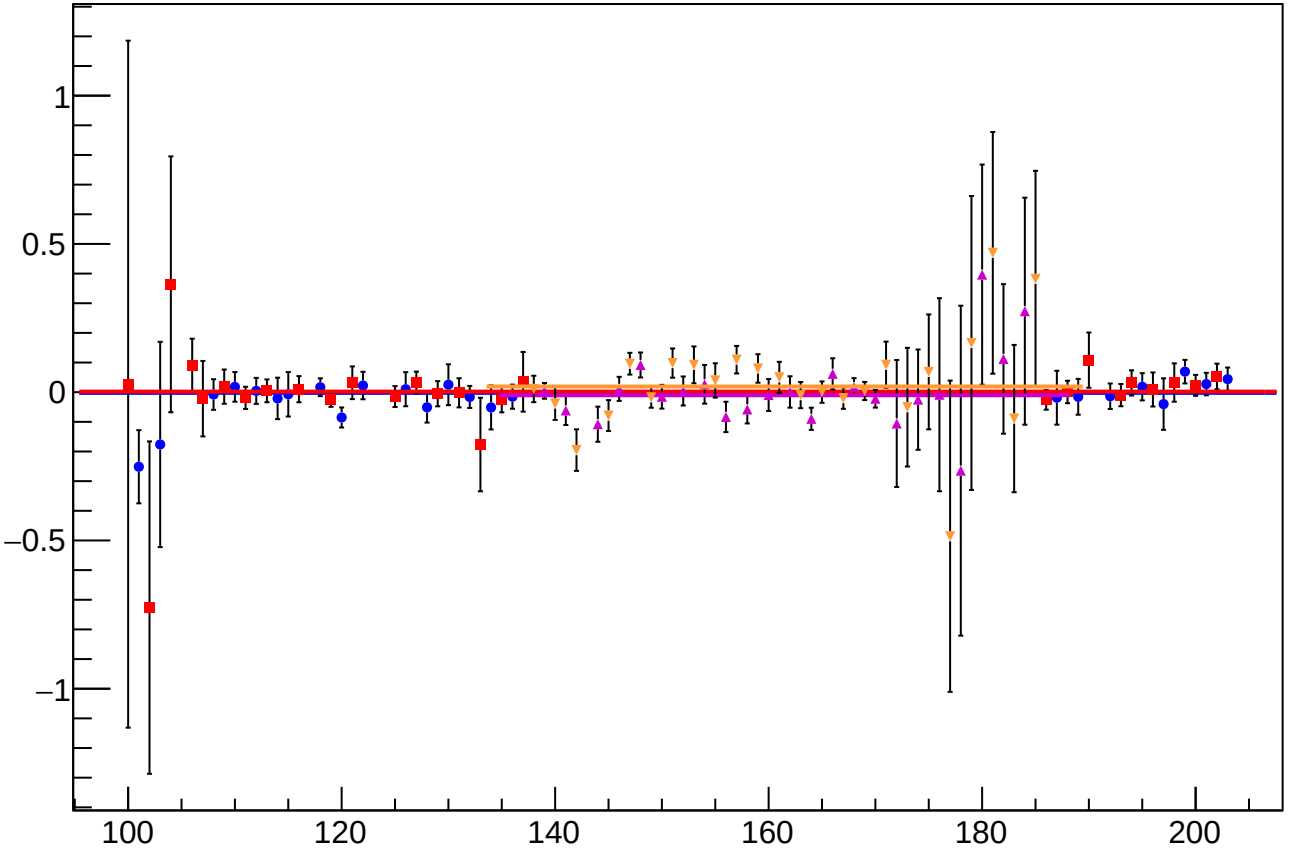
Right: 0.003+/-0.000 χ^2/NDF: 19077128.5/50

In: 0.003+/-0.000 χ^2/NDF:18657446.0/46

Out: 0.003+/-0.000 χ^2/NDF:14688811.9/50

All: 0.003+/-0.000 χ^2/NDF: 34412479.7/97

asym_us_dd_atlr_dd_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.002+/-0.010 χ^2/NDF: 18.9/23

Left Out: 0.019+/-0.011 χ^2/NDF:35.9/23

Right Out: 0.002+/-0.009 χ^2/NDF: 12.7/26

Left In: -0.010+/-0.010 χ^2/NDF:23.6/22

Left: 0.004+/-0.007 χ^2/NDF: 63.5/46

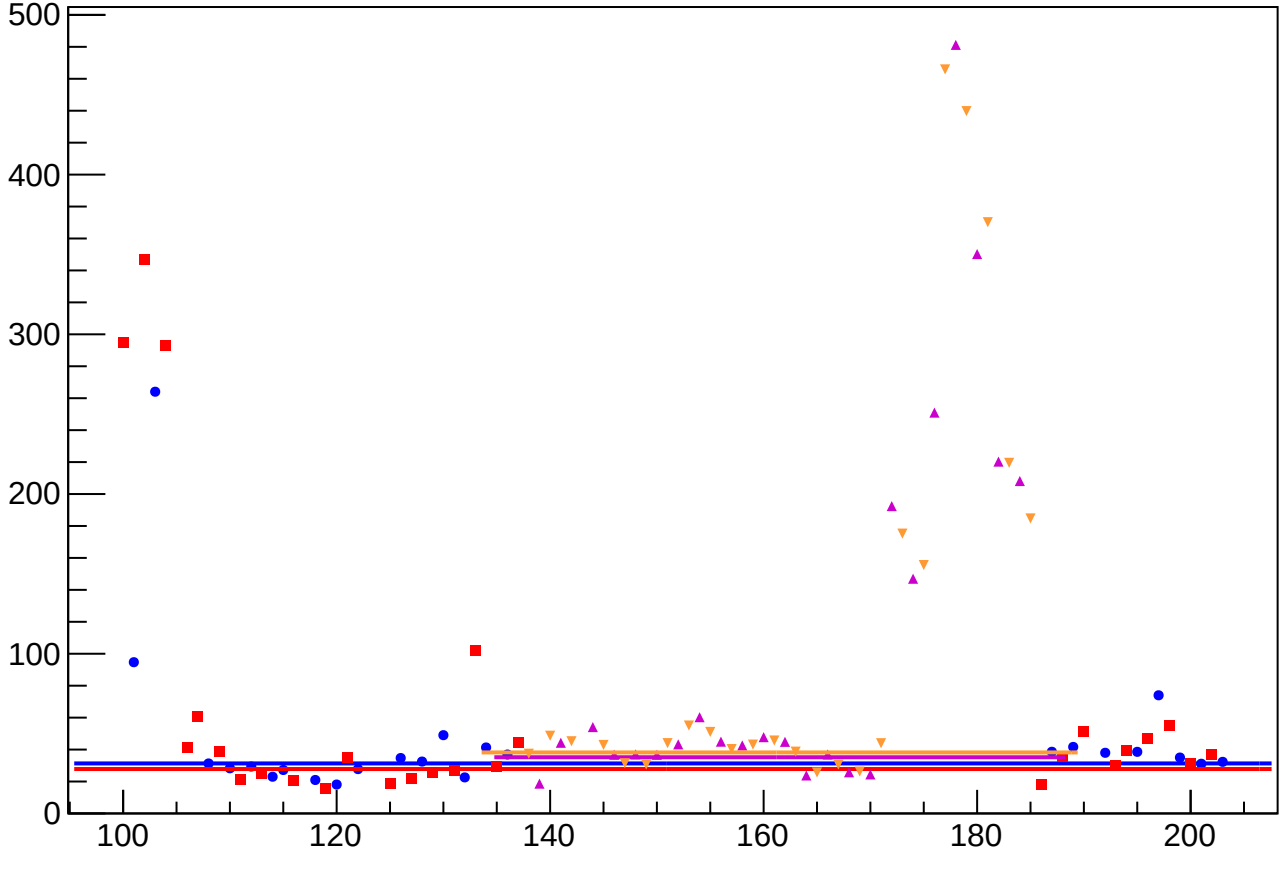
Right: 0.000+/-0.007 χ^2/NDF: 31.7/50

In: -0.006+/-0.007 χ^2/NDF:42.8/46

Out: 0.009+/-0.007 χ^2/NDF:50.2/50

All: 0.002+/-0.005 χ^2/NDF: 95.3/97

asym_us_dd_atlr_dd_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 31.326+/-0.007 χ^2/NDF: 3027592.9/23

Left Out: 38.210+/-0.008 χ^2/NDF:8285200.7/23

Right Out: 27.819+/-0.006 χ^2/NDF: 4341939.6/26

Left In: 35.195+/-0.007 χ^2/NDF:9391361.4/22

Left: 36.625+/-0.005 χ^2/NDF: 17758448.1/46

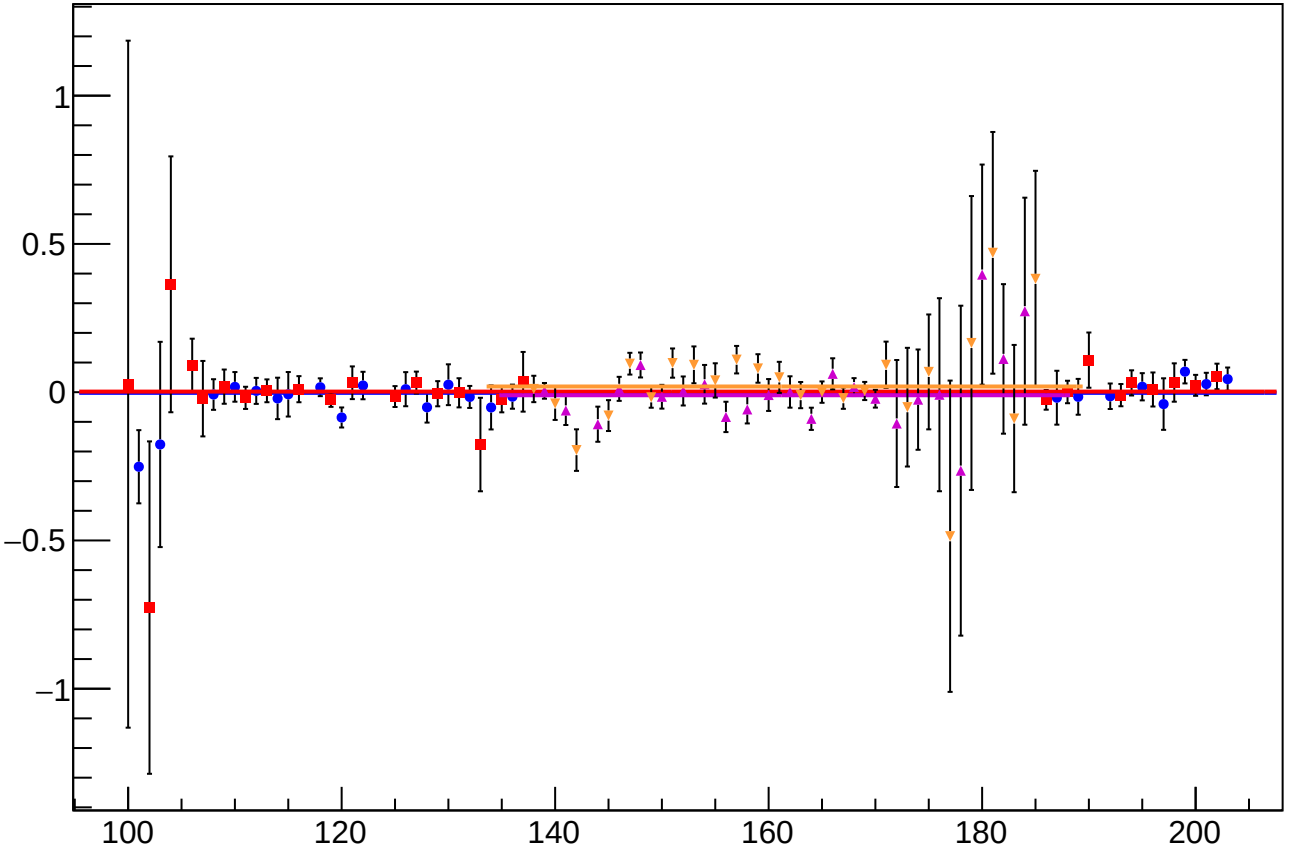
Right: 29.387+/-0.005 χ^2/NDF: 7507269.8/50

In: 33.198+/-0.005 χ^2/NDF:12565645.1/46

Out: 32.039+/-0.005 χ^2/NDF:13725232.6/50

All: 32.598+/-0.004 χ^2/NDF: 26318156.5/97

asym_us_dd_atlr_dd_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.002+/-0.010 χ^2/NDF: 18.9/23

Left Out: 0.019+/-0.011 χ^2/NDF:35.9/23

Right Out: 0.002+/-0.009 χ^2/NDF: 12.7/26

Left In: -0.010+/-0.010 χ^2/NDF:23.6/22

Left: 0.004+/-0.007 χ^2/NDF: 63.5/46

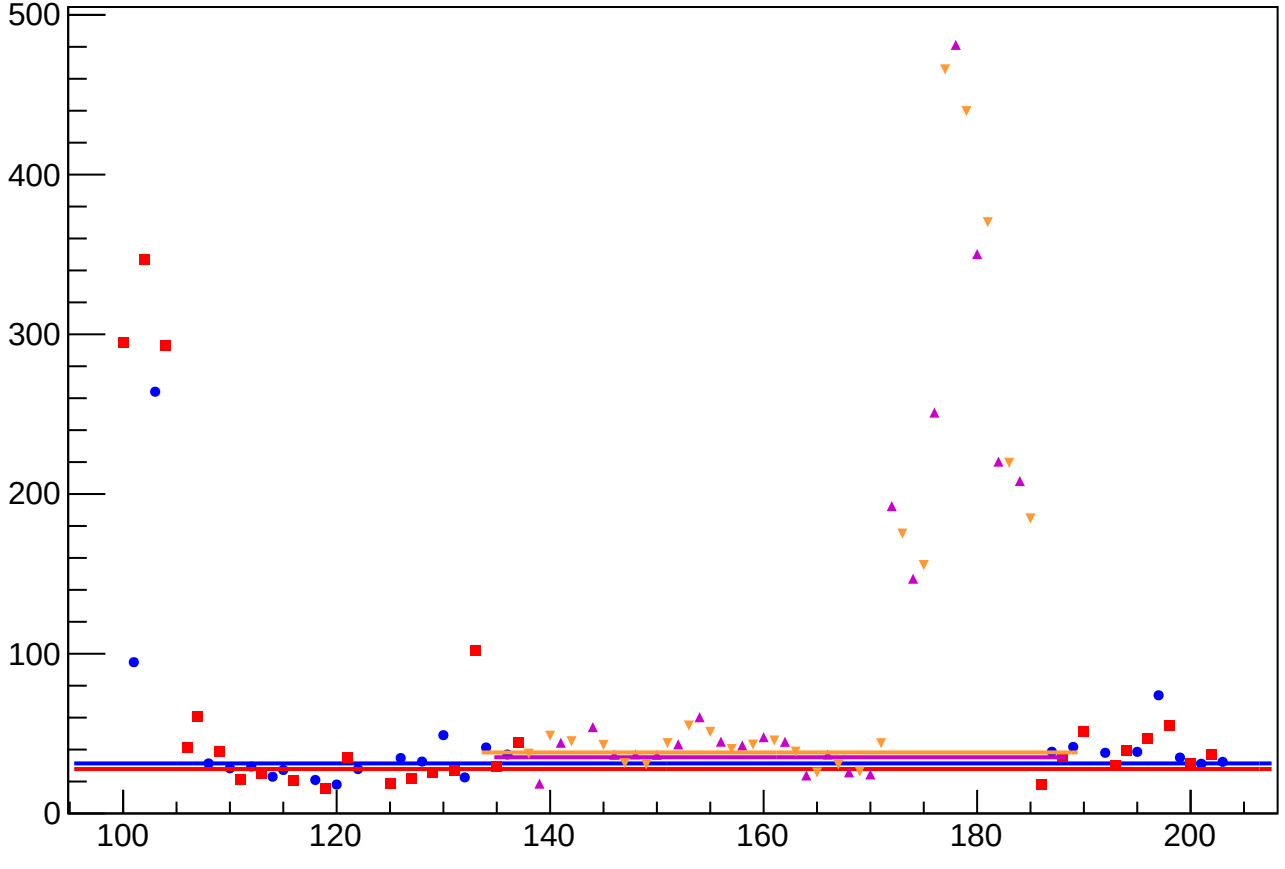
Right: 0.000+/-0.007 χ^2/NDF: 31.7/50

In: -0.006+/-0.007 χ^2/NDF:42.8/46

Out: 0.009+/-0.007 χ^2/NDF:50.2/50

All: 0.002+/-0.005 χ^2/NDF: 95.3/97

asym_us_dd_atlr_dd_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 31.326+/-0.007 χ^2/NDF: 3027592.9/23

Left Out: 38.210+/-0.008 χ^2/NDF:8285200.7/23

Right Out: 27.819+/-0.006 χ^2/NDF: 4341939.6/26

Left In: 35.195+/-0.007 χ^2/NDF:9391361.4/22

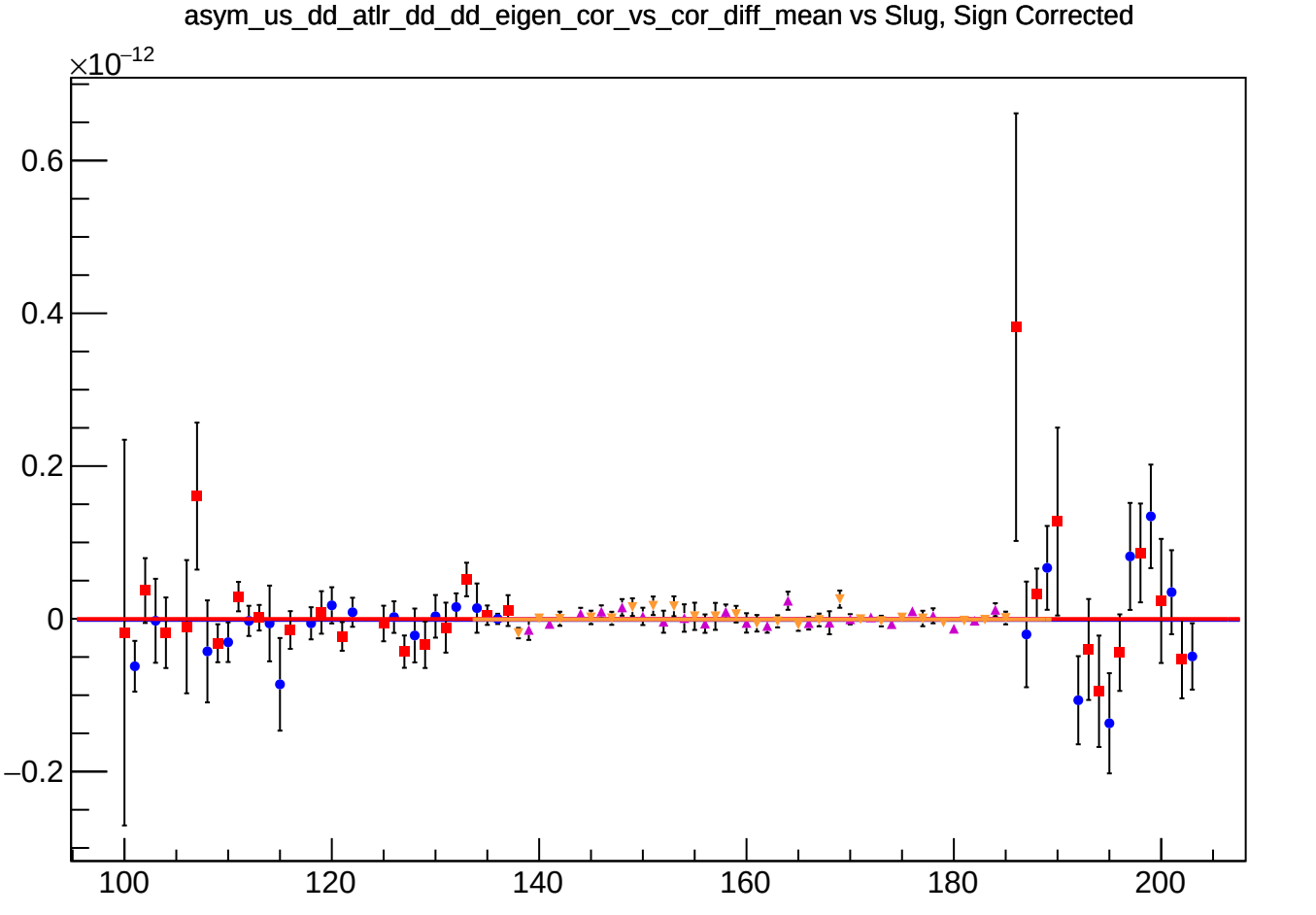
Left: 36.625+/-0.005 χ^2/NDF: 17758448.1/46

Right: 29.387+/-0.005 χ^2/NDF: 7507269.8/50

In: 33.198+/-0.005 χ^2/NDF:12565645.1/46

Out: 32.039+/-0.005 χ^2/NDF:13725232.6/50

All: 32.598+/-0.004 χ^2/NDF: 26318156.5/97



Right In: -0.000+/-0.000 χ^2/NDF: 25.7/23

Left Out: -0.000+/-0.000 χ^2/NDF:21.1/23

Right Out: -0.000+/-0.000 χ^2/NDF: 30.7/26

Left In: -0.000+/-0.000 χ^2/NDF:26.2/22

Left: -0.000+/-0.000 χ^2/NDF: 47.4/46

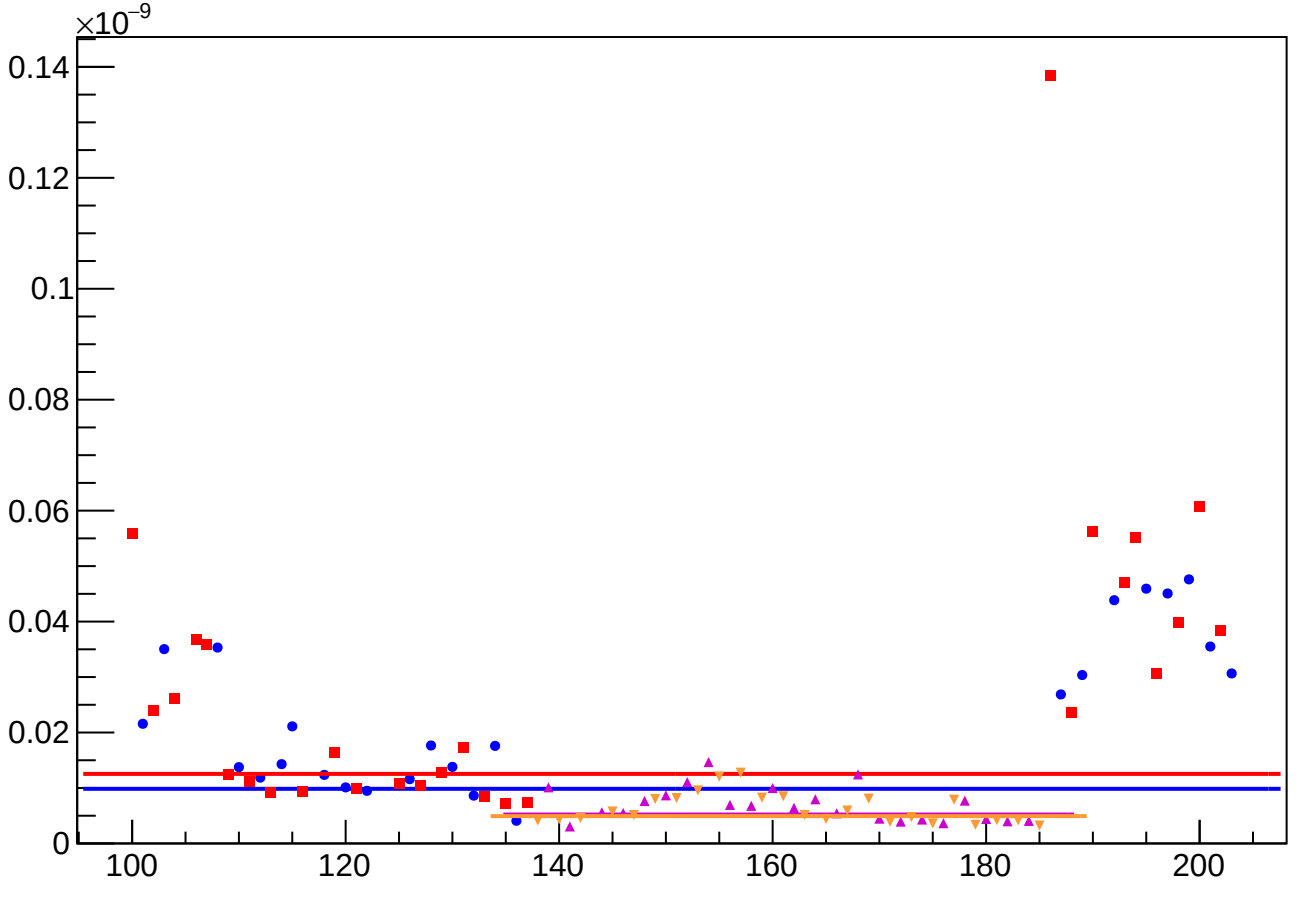
Right: -0.000+/-0.000 χ^2/NDF: 56.4/50

In: -0.000+/-0.000 χ^2/NDF:52.0/46

Out: -0.000+/-0.000 χ^2/NDF:51.8/50

All: -0.000+/-0.000 χ^2/NDF: 103.8/97

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: 6617005.2/23

Left Out: 0.000+/-0.000 χ^2/NDF:2632036.7/23

Right Out: 0.000+/-0.000 χ^2/NDF: 5397019.5/26

Left In: 0.000+/-0.000 χ^2/NDF:3449719.7/22

Left: 0.000+/-0.000 χ^2/NDF: 6113497.8/46

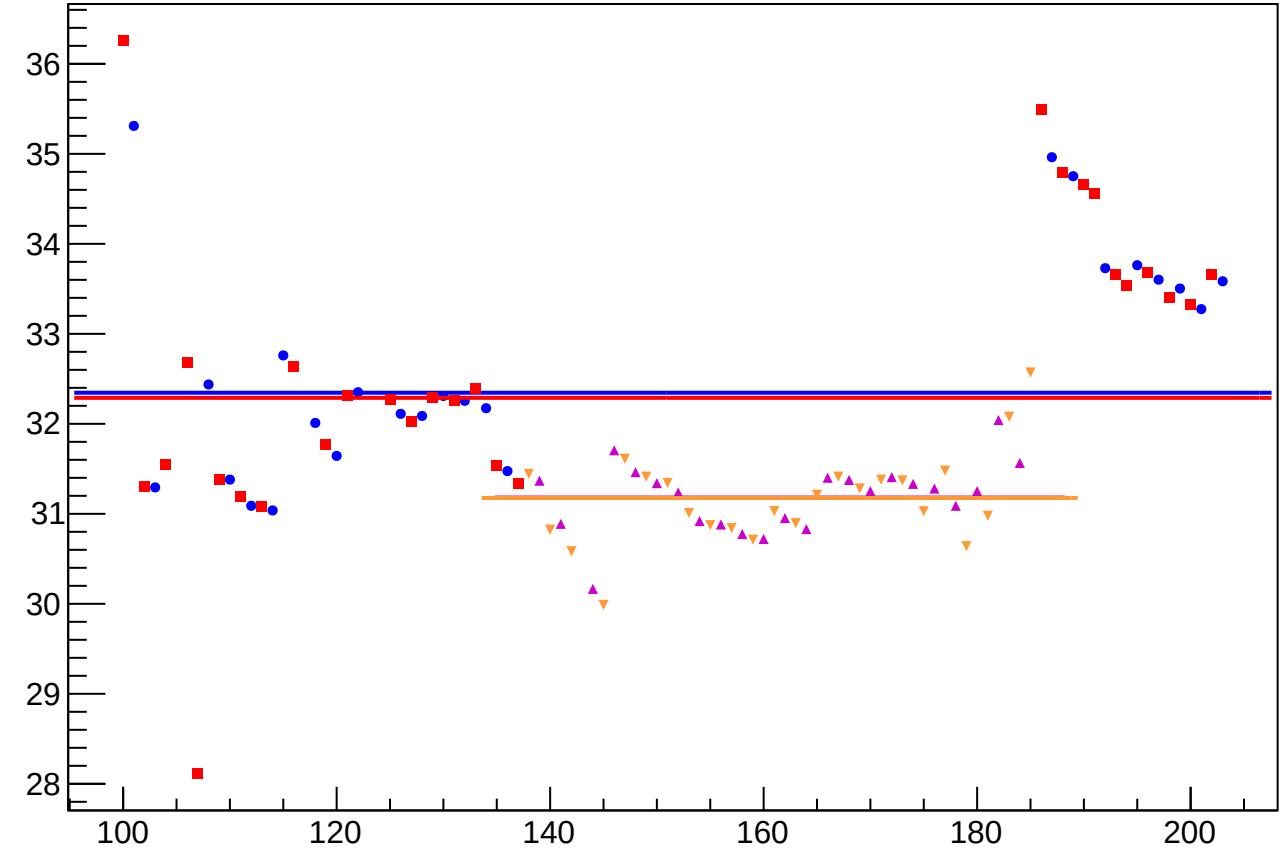
Right: 0.000+/-0.000 χ^2/NDF: 12298944.7/50

In: 0.000+/-0.000 χ^2/NDF:11829101.6/46

Out: 0.000+/-0.000 χ^2/NDF:11692234.4/50

All: 0.000+/-0.000 χ^2/NDF: 23539474.2/97

yield_usl_mean vs Slug, Sign Corrected



Right In: 32.346+/-0.000 χ^2/NDF: 1622378787.0/23

Left Out: 31.176+/-0.000 χ^2/NDF:529824418.6/23

Right Out: 32.289+/-0.000 χ^2/NDF: 1692418432.6/27

Left In: 31.181+/-0.000 χ^2/NDF:376263410.1/22

Left: 31.178+/-0.000 χ^2/NDF: 906123108.5/46

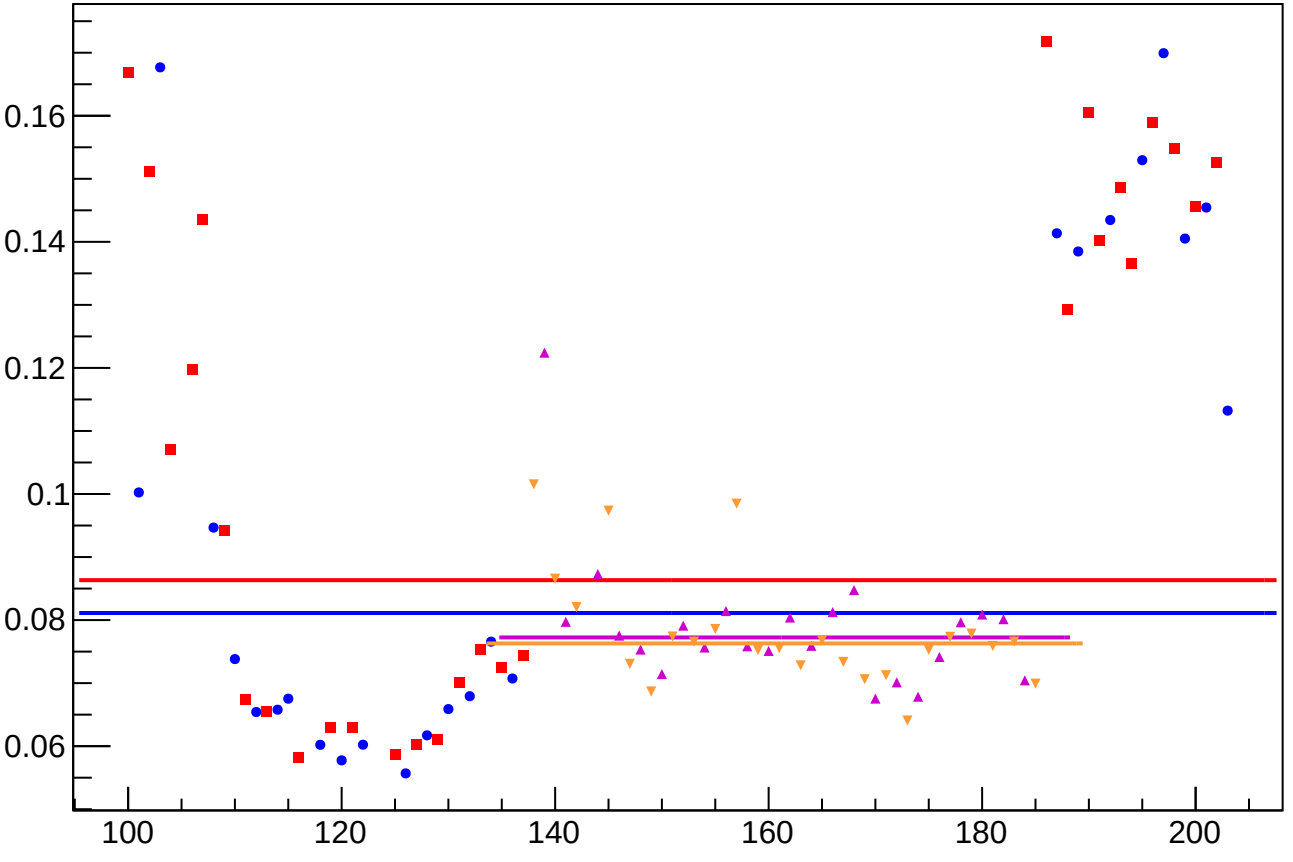
Right: 32.318+/-0.000 χ^2/NDF: 3317368304.4/51

In: 31.612+/-0.000 χ^2/NDF:3389196796.1/46

Out: 31.567+/-0.000 χ^2/NDF:3476887296.3/51

All: 31.589+/-0.000 χ^2/NDF: 6870406811.5/9

yield_usl_rms vs Slug, Sign Corrected



Right In: 0.081+/-0.000 χ^2/NDF: 3294039.6/23

Left Out: 0.076+/-0.000 χ^2/NDF:356697.3/23

Right Out: 0.086+/-0.000 χ^2/NDF: 3854115.0/27

Left In: 0.077+/-0.000 χ^2/NDF:365206.5/22

Left: 0.077+/-0.000 χ^2/NDF: 724458.6/46

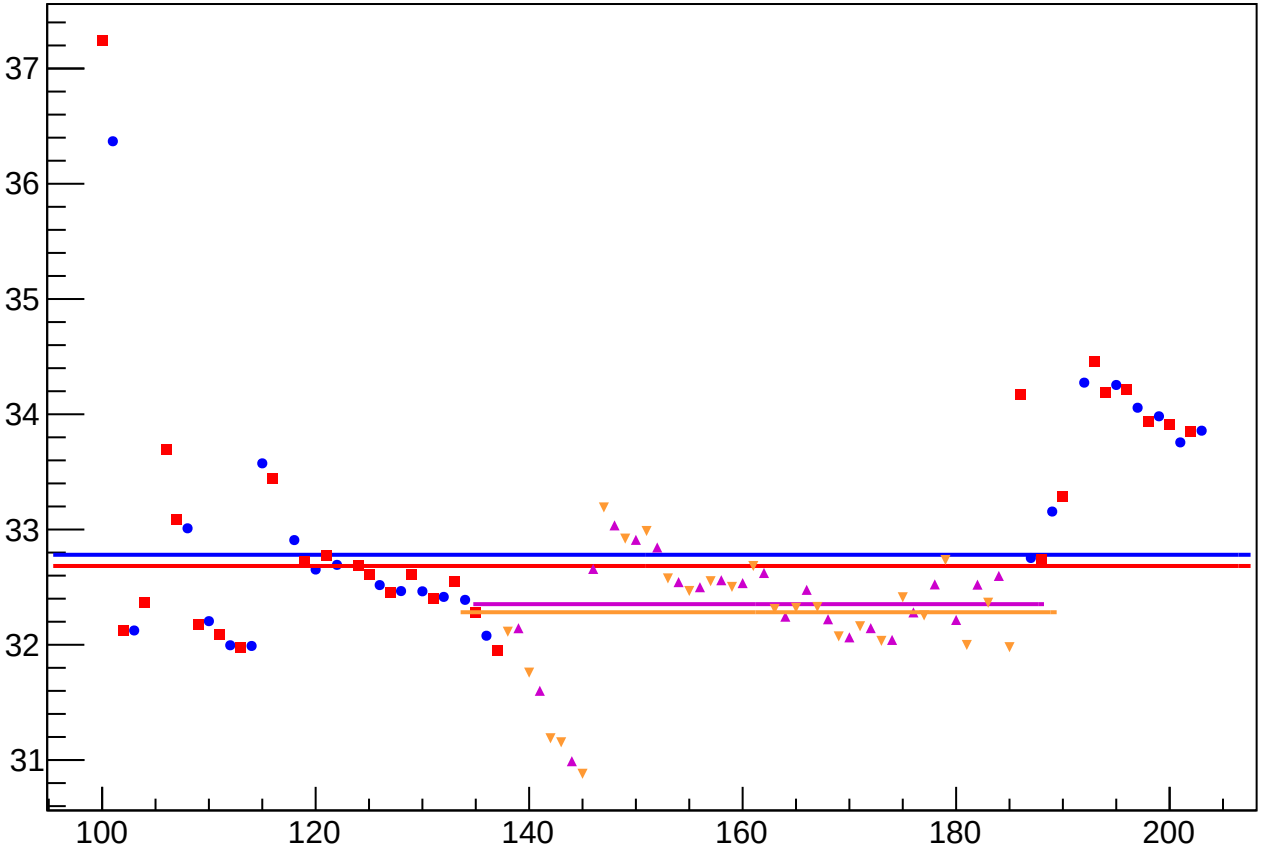
Right: 0.084+/-0.000 χ^2/NDF: 7191393.2/51

In: 0.079+/-0.000 χ^2/NDF:3690047.3/46

Out: 0.080+/-0.000 χ^2/NDF:4414839.5/51

All: 0.079+/-0.000 χ^2/NDF: 8110690.2/98

yield_usr_mean vs Slug, Sign Corrected



Right In: 32.781+/-0.000 χ^2/NDF: 924065803.6/23

Left Out: 32.282+/-0.000 χ^2/NDF:838959313.2/24

Right Out: 32.684+/-0.000 χ^2/NDF: 433123831.8/27

Left In: 32.353+/-0.000 χ^2/NDF:589893462.0/22

Left: 32.317+/-0.000 χ^2/NDF: 1436074258.4/47

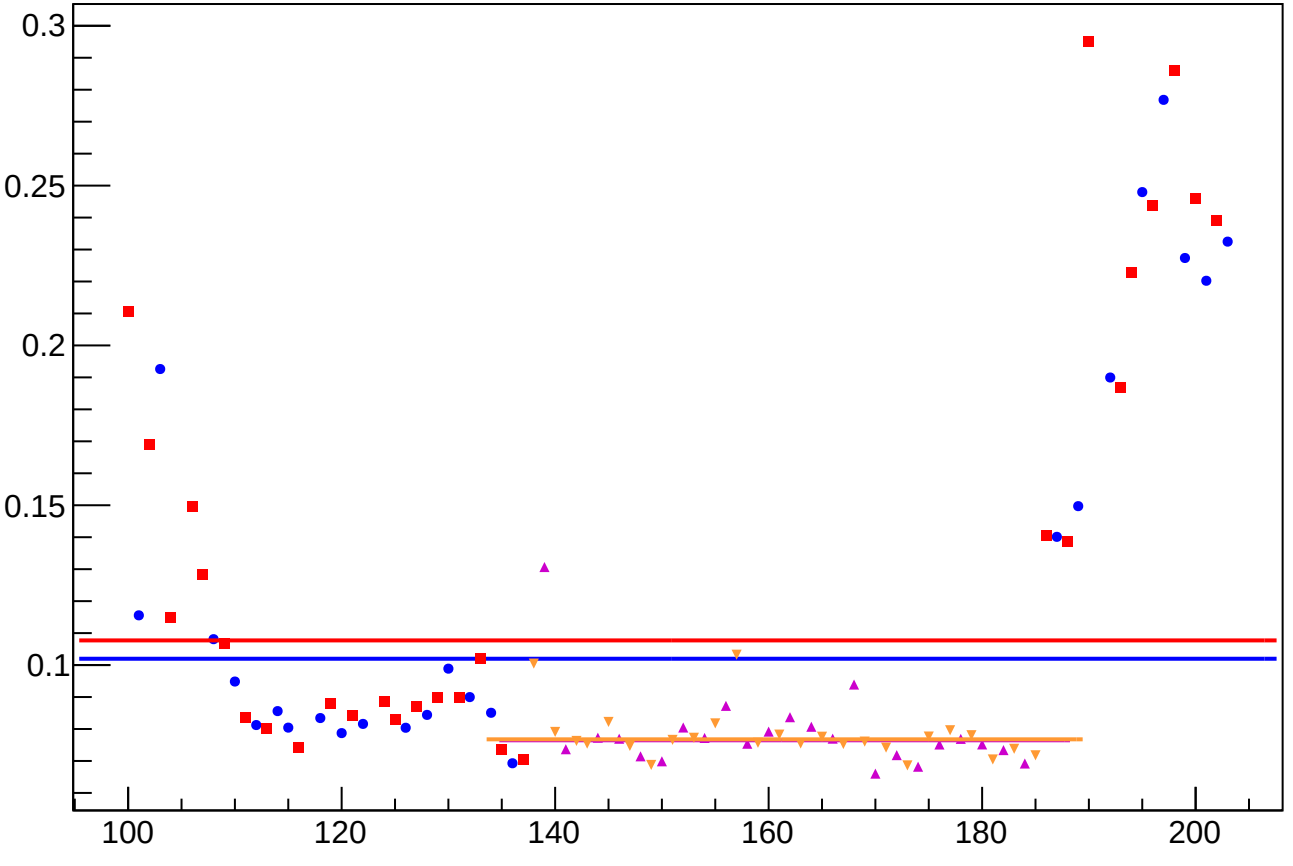
Right: 32.733+/-0.000 χ^2/NDF: 1361735611.9/51

In: 32.461+/-0.000 χ^2/NDF:1647182155.5/46

Out: 32.379+/-0.000 χ^2/NDF:1388675631.0/52

All: 32.419+/-0.000 χ^2/NDF: 3048760775.5/9

yield_usr_rms vs Slug, Sign Corrected



Right In: 0.102+/-0.000 χ^2/NDF: 4229617.2/23

Left Out: 0.077+/-0.000 χ^2/NDF:250795.7/24

Right Out: 0.108+/-0.000 χ^2/NDF: 4427661.5/27

Left In: 0.076+/-0.000 χ^2/NDF:482593.3/22

Left: 0.077+/-0.000 χ^2/NDF: 733655.0/47

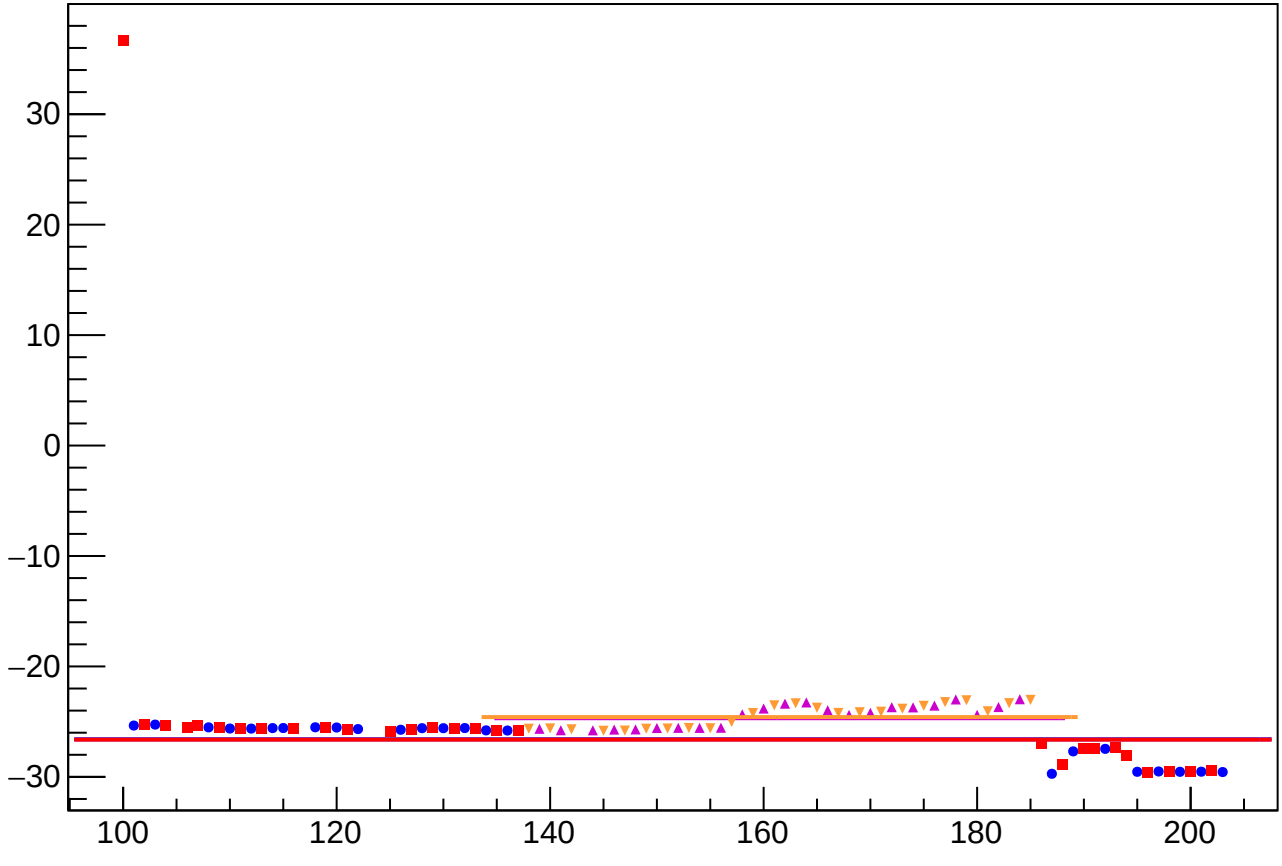
Right: 0.105+/-0.000 χ^2/NDF: 8688973.0/51

In: 0.083+/-0.000 χ^2/NDF:5657354.1/46

Out: 0.084+/-0.000 χ^2/NDF:6065458.7/52

All: 0.084+/-0.000 χ^2/NDF: 11729757.2/99

yield_dsl_mean vs Slug, Sign Corrected



Right In: -26.599+/-0.000 χ^2/NDF: 15660335694.6/23

Left Out: -24.587+/-0.000 χ^2/NDF:9182387434.6/23

Right Out: -26.627+/-0.000 χ^2/NDF: 24305766331.4/27

Left In: -24.689+/-0.000 χ^2/NDF:8820957974.3/22

Left: -24.638+/-0.000 χ^2/NDF: 18048773381.1/46

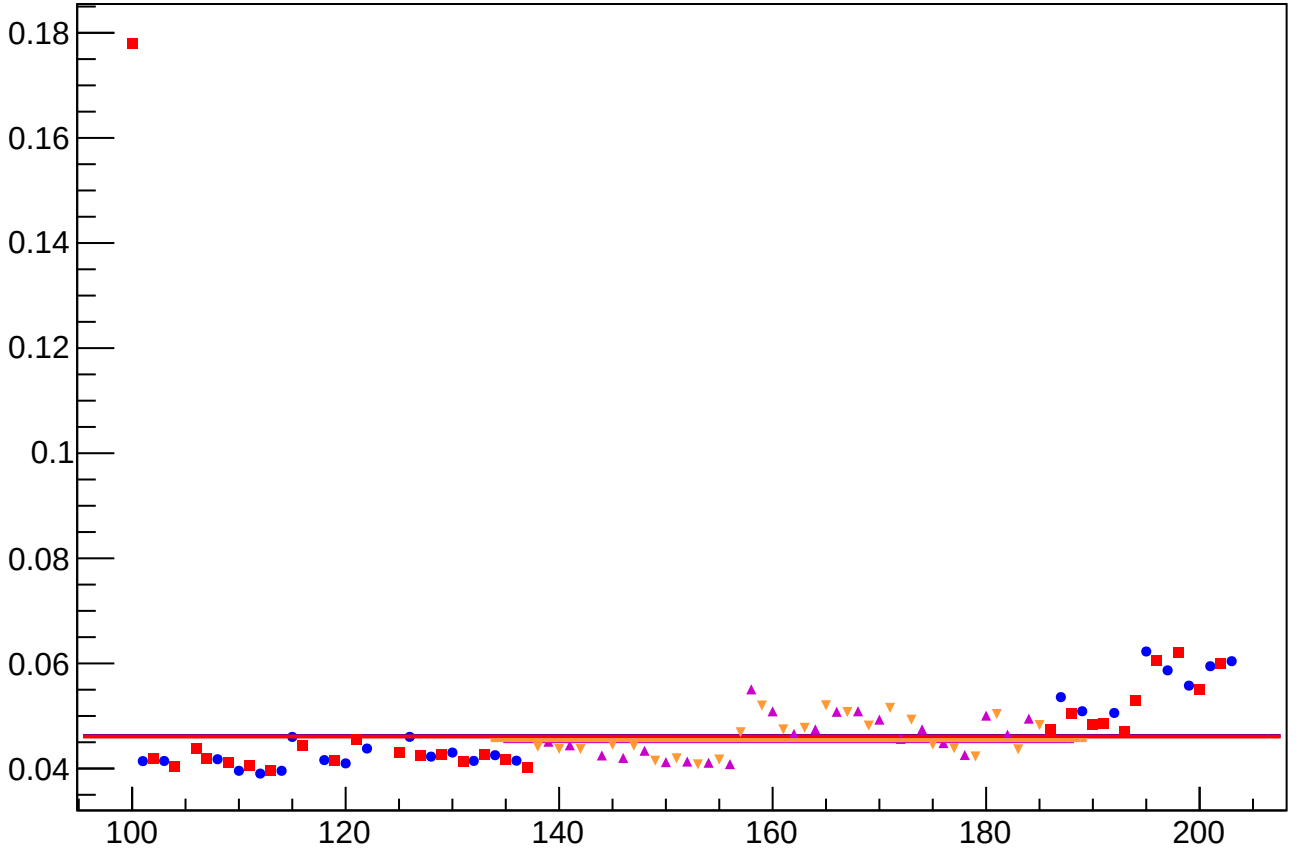
Right: -26.614+/-0.000 χ^2/NDF: 39968590530.2/51

In: -25.462+/-0.000 χ^2/NDF:37346840507.1/46

Out: -25.459+/-0.000 χ^2/NDF:49013643337.7/51

All: -25.460+/-0.000 χ^2/NDF: 86360550532.2

yield_dsl_rms vs Slug, Sign Corrected



Right In: 0.046+/-0.000 χ^2/NDF: 618653.5/23

Left Out: 0.045+/-0.000 χ^2/NDF:205535.7/23

Right Out: 0.046+/-0.000 χ^2/NDF: 624272.9/27

Left In: 0.045+/-0.000 χ^2/NDF:244675.5/22

Left: 0.045+/-0.000 χ^2/NDF: 450560.0/46

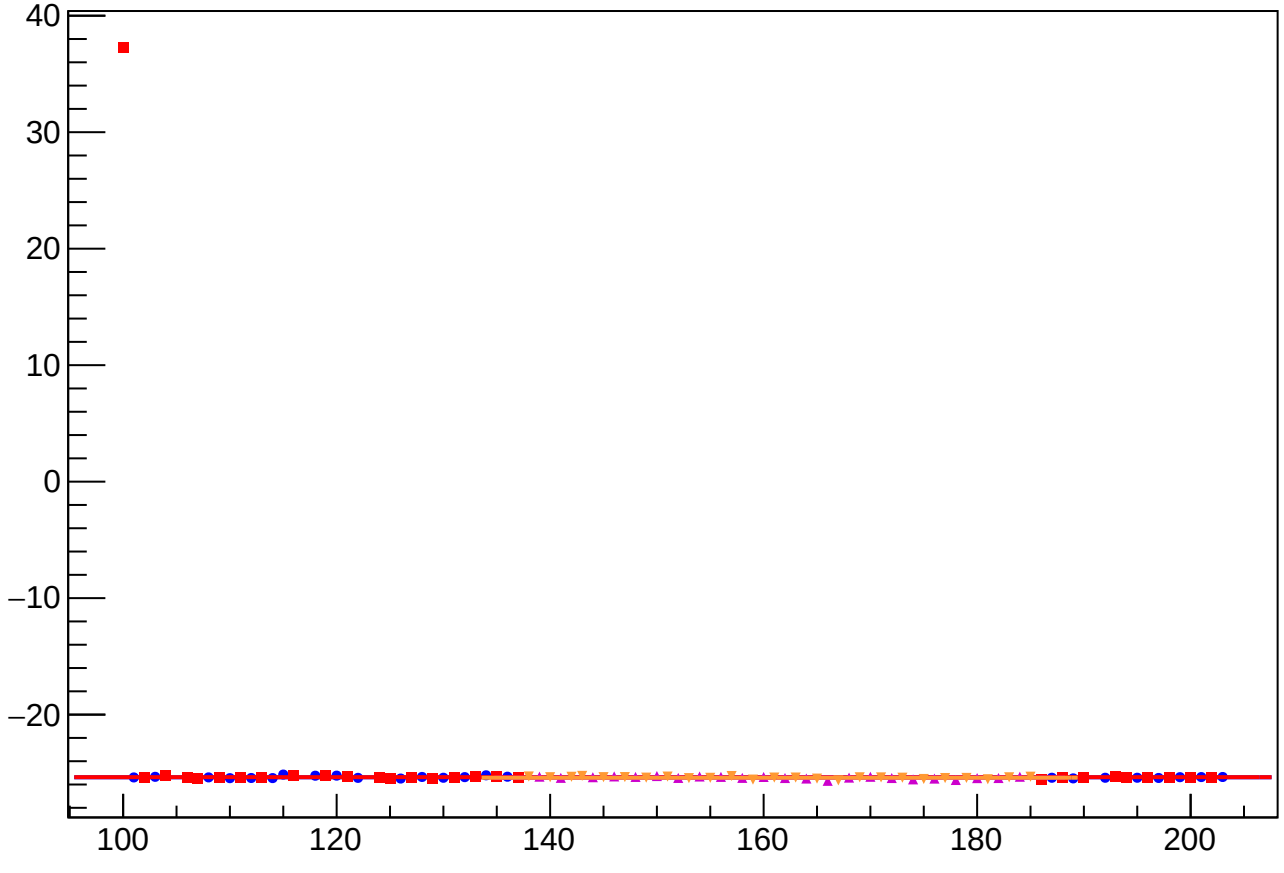
Right: 0.046+/-0.000 χ^2/NDF: 1242980.4/51

In: 0.046+/-0.000 χ^2/NDF:870199.5/46

Out: 0.046+/-0.000 χ^2/NDF:833396.9/51

All: 0.046+/-0.000 χ^2/NDF: 1703737.1/98

yield_dsr_mean vs Slug, Sign Corrected



Right In: -25.382+/-0.000 χ^2/NDF: 18790361.1/23

Left Out: -25.417+/-0.000 χ^2/NDF:52213098.9/24

Right Out: -25.370+/-0.000 χ^2/NDF: 6330667224.2/27

Left In: -25.414+/-0.000 χ^2/NDF:55851916.1/22

Left: -25.416+/-0.000 χ^2/NDF: 108085070.9/47

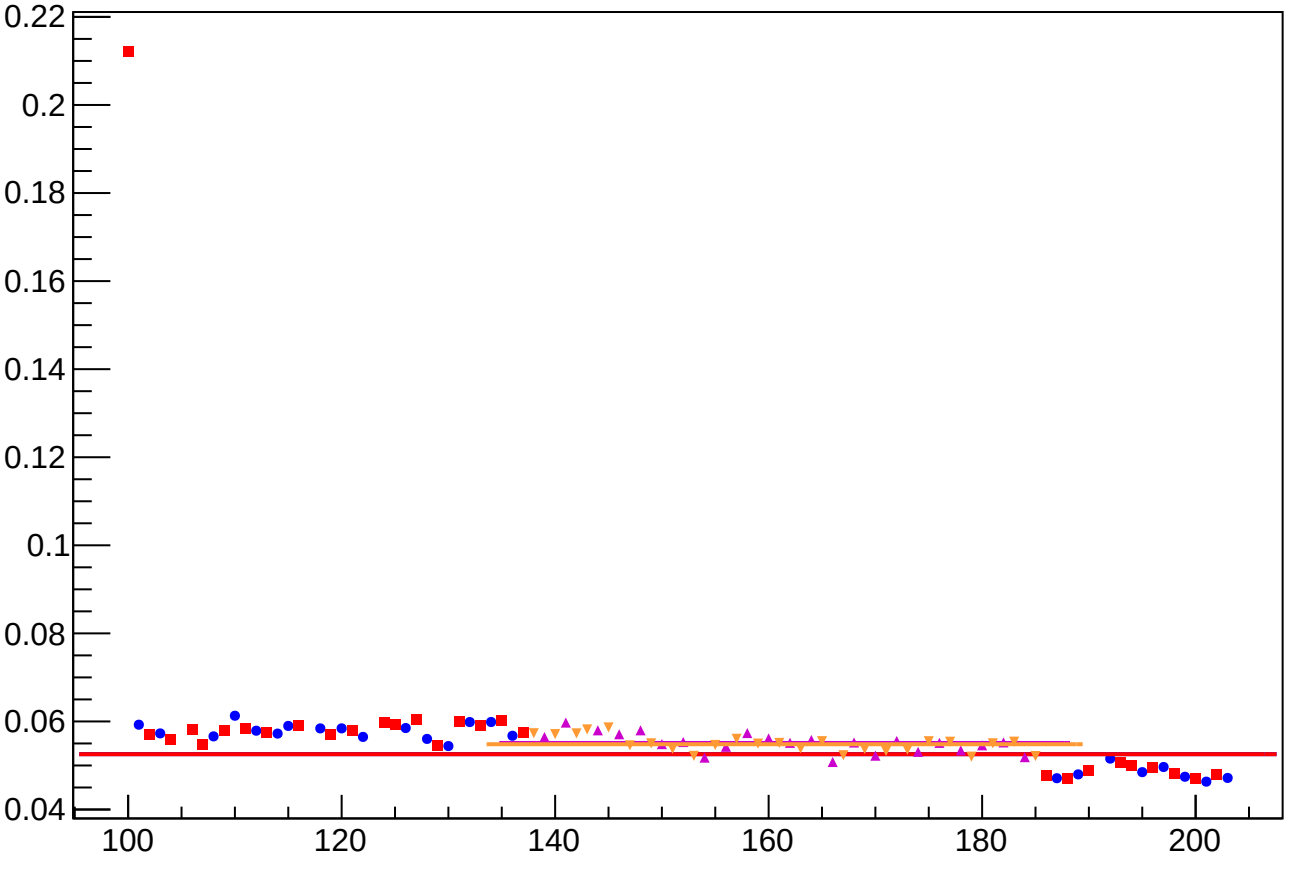
Right: -25.376+/-0.000 χ^2/NDF: 6349838474.2/51

In: -25.400+/-0.000 χ^2/NDF:77298535.9/46

Out: -25.396+/-0.000 χ^2/NDF:6389076810.8/52

All: -25.398+/-0.000 χ^2/NDF: 6466476299.0/

yield_dsr_rms vs Slug, Sign Corrected



Right In: 0.053+/-0.000 χ^2/NDF: 227561.8/23

Left Out: 0.055+/-0.000 χ^2/NDF:38095.1/24

Right Out: 0.053+/-0.000 χ^2/NDF: 320636.5/27

Left In: 0.055+/-0.000 χ^2/NDF:51531.3/22

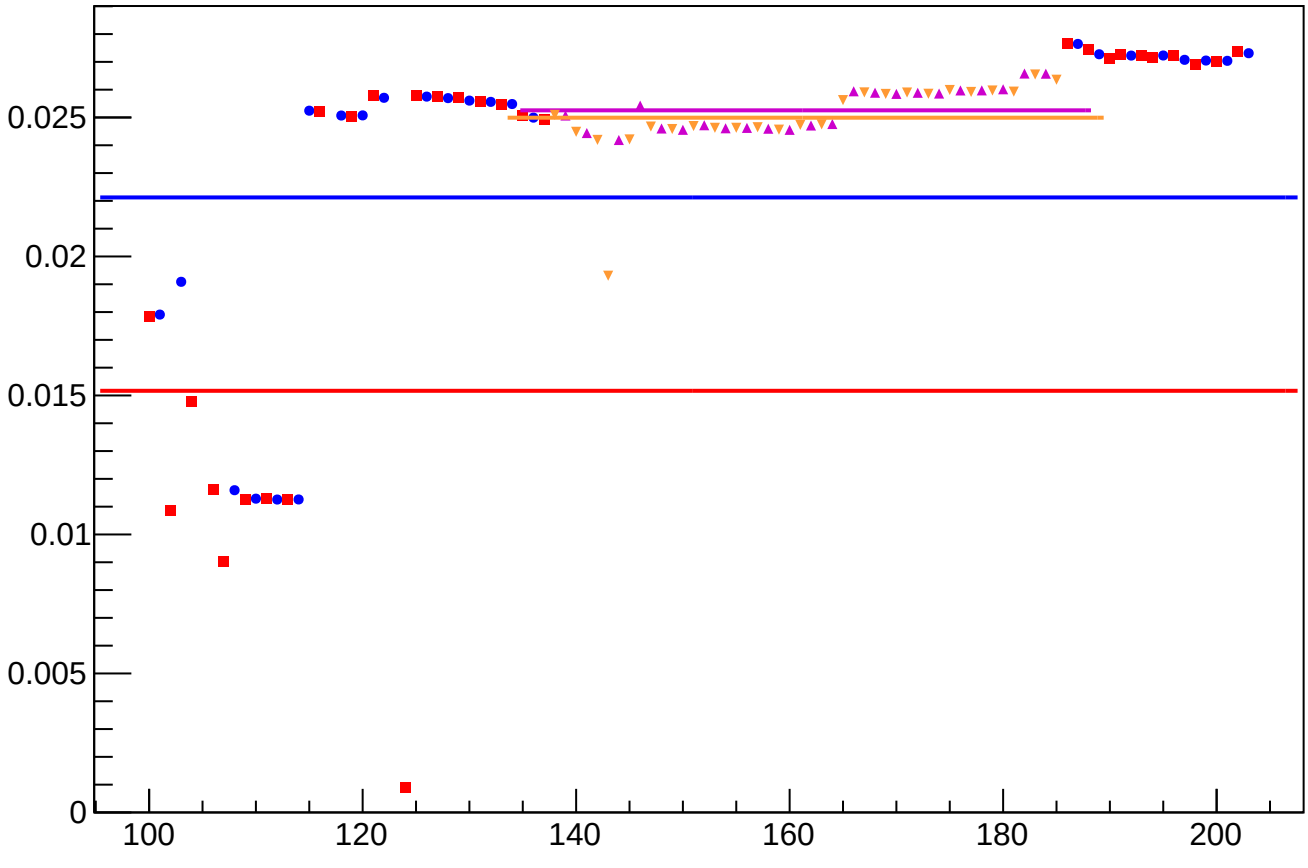
Left: 0.055+/-0.000 χ^2/NDF: 90127.5/47

Right: 0.053+/-0.000 χ^2/NDF: 548199.1/51

In: 0.054+/-0.000 χ^2/NDF:312298.0/46

Out: 0.054+/-0.000 χ^2/NDF:387116.4/52

All: 0.054+/-0.000 χ^2/NDF: 699748.4/99



Right In: 0.022+/-0.000 χ^2/NDF: 87227462772.6/23

Left Out: 0.025+/-0.000 χ^2/NDF:7880064969.5/24

Right Out: 0.015+/-0.000 χ^2/NDF: 402262607609.1/28

Left In: 0.025+/-0.000 χ^2/NDF:1884783780.3/22

Left: 0.025+/-0.000 χ^2/NDF: 9897726075.2/47

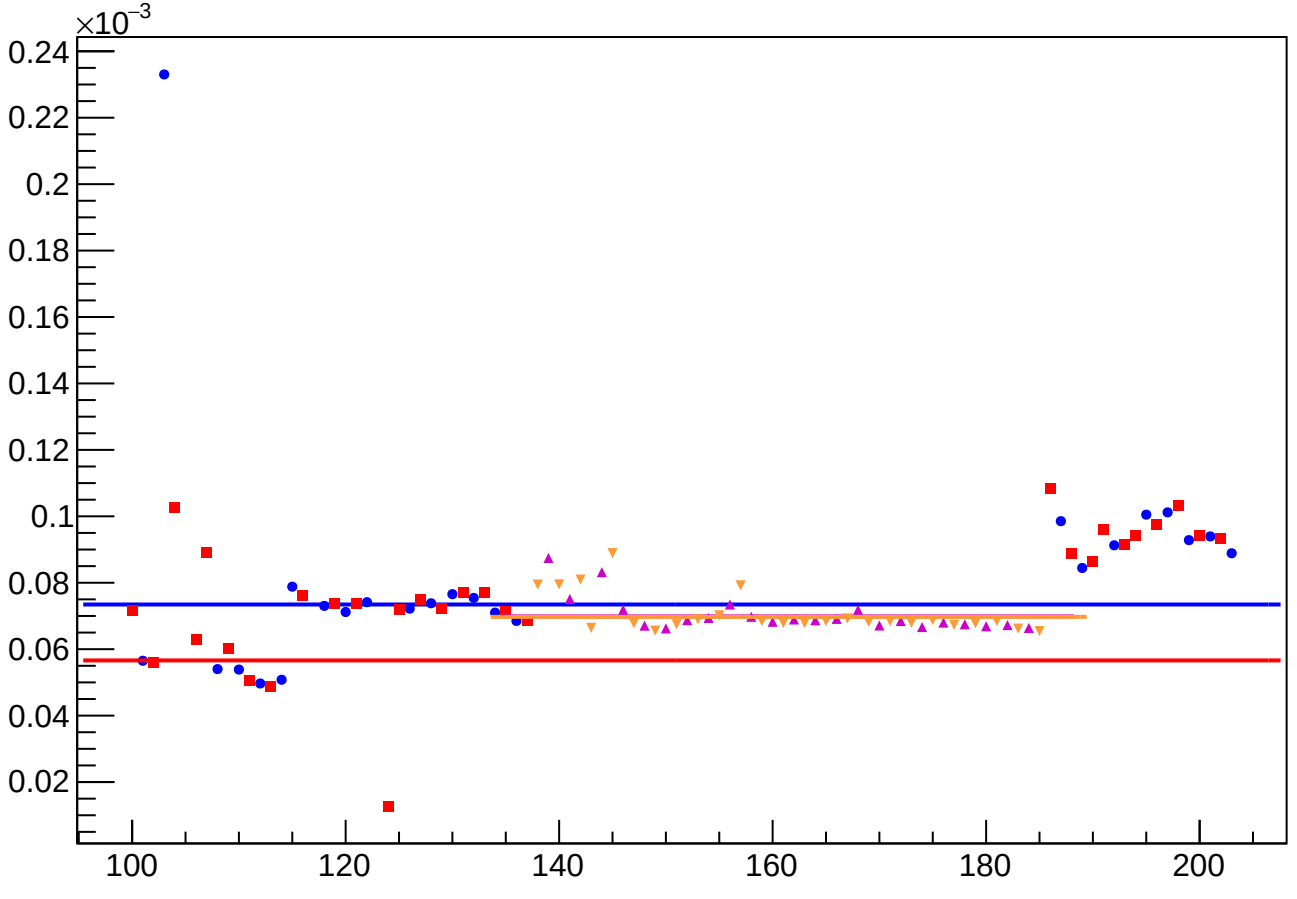
Right: 0.018+/-0.000 χ^2/NDF: 553910009906.1/52

In: 0.024+/-0.000 χ^2/NDF:102749382636.8/46

Out: 0.020+/-0.000 χ^2/NDF:582566256908.9/53

All: 0.022+/-0.000 χ^2/NDF: 727144411083.8

yield_atl1_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 1612337.8/23

Left Out: 0.000+/-0.000 χ^2/NDF:188211.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 6742493.8/28

Left In: 0.000+/-0.000 χ^2/NDF:152421.9/22

Left: 0.000+/-0.000 χ^2/NDF: 340709.7/47

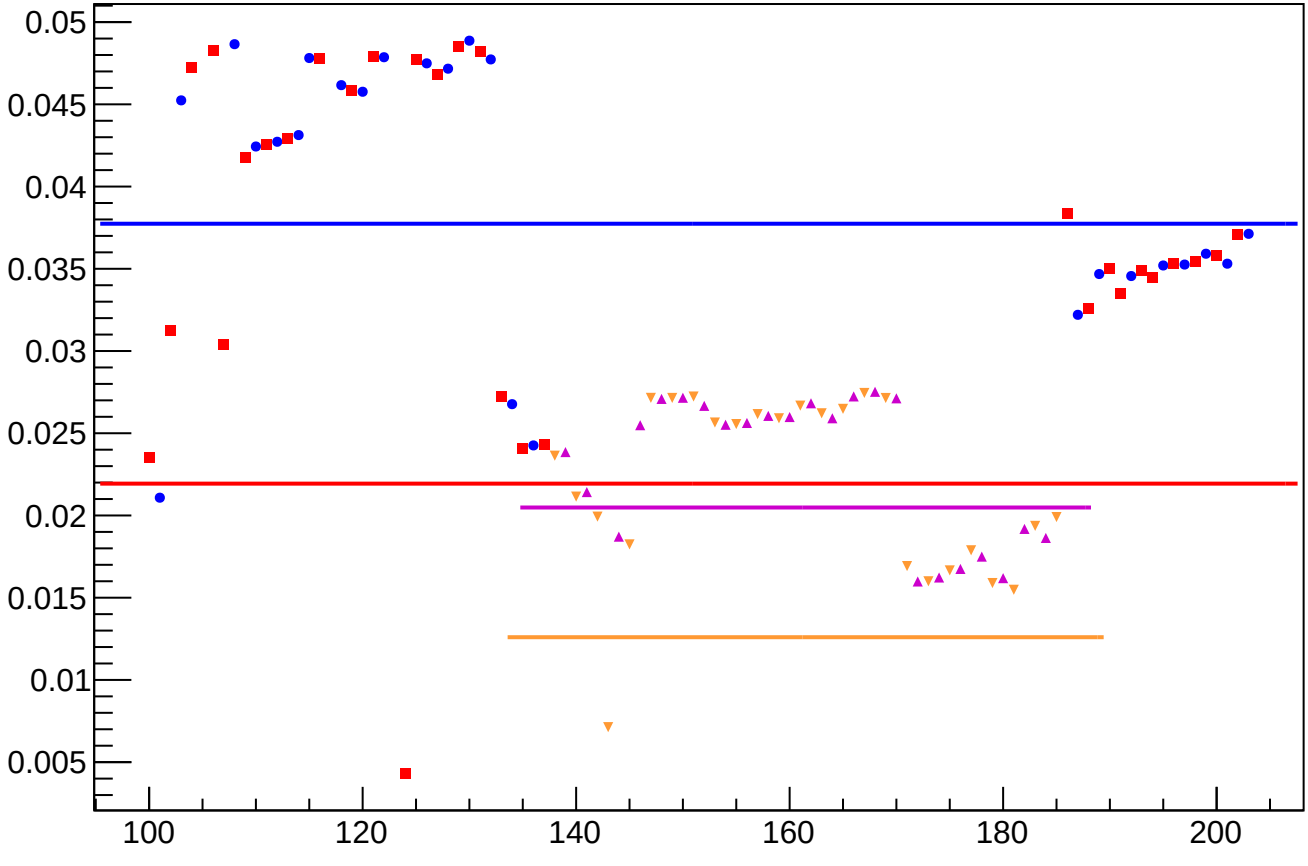
Right: 0.000+/-0.000 χ^2/NDF: 9109341.6/52

In: 0.000+/-0.000 χ^2/NDF:1800438.8/46

Out: 0.000+/-0.000 χ^2/NDF:7544677.1/53

All: 0.000+/-0.000 χ^2/NDF: 9711001.0/100

yield_atl2_mean vs Slug, Sign Corrected



Right In: 0.038+/-0.000 χ^2/NDF: 7220140056.4/23

Left Out: 0.013+/-0.000 χ^2/NDF:37338500367.6/24

Right Out: 0.022+/-0.000 χ^2/NDF: 45592714288.9/28

Left In: 0.020+/-0.000 χ^2/NDF:6099907424.9/22

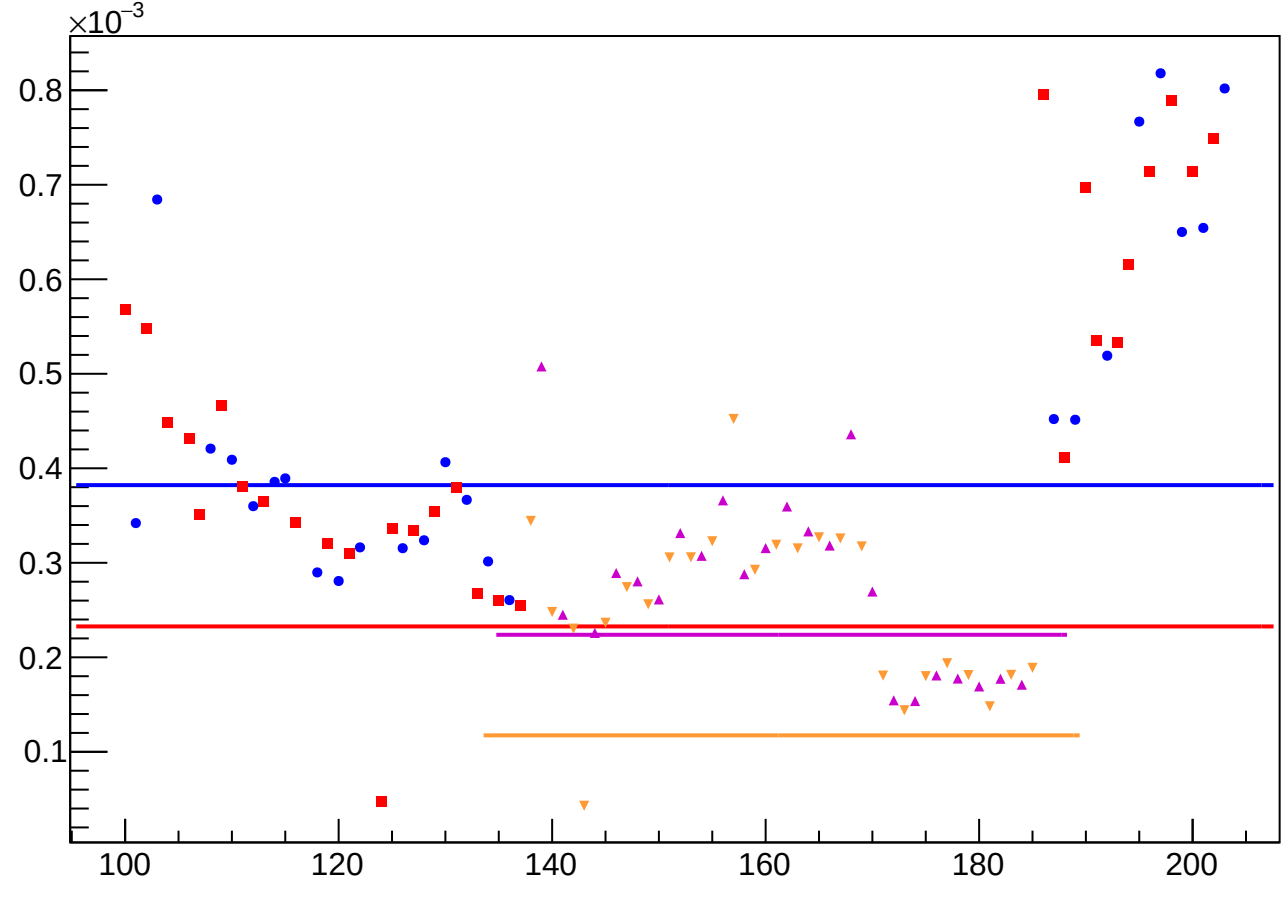
Left: 0.015+/-0.000 χ^2/NDF: 56833428679.6/47

Right: 0.027+/-0.000 χ^2/NDF: 64863124059.0/52

In: 0.024+/-0.000 χ^2/NDF:30918321839.7/46

Out: 0.014+/-0.000 χ^2/NDF:93251173298.6/53

All: 0.017+/-0.000 χ^2/NDF: 149553576749.2



Right In: 0.000+/-0.000 χ^2/NDF: 2950292.6/23

Left Out: 0.000+/-0.000 χ^2/NDF:14390785.9/24

Right Out: 0.000+/-0.000 χ^2/NDF: 11747427.5/28

Left In: 0.000+/-0.000 χ^2/NDF:3388230.8/22

Left: 0.000+/-0.000 χ^2/NDF: 22654672.2/47

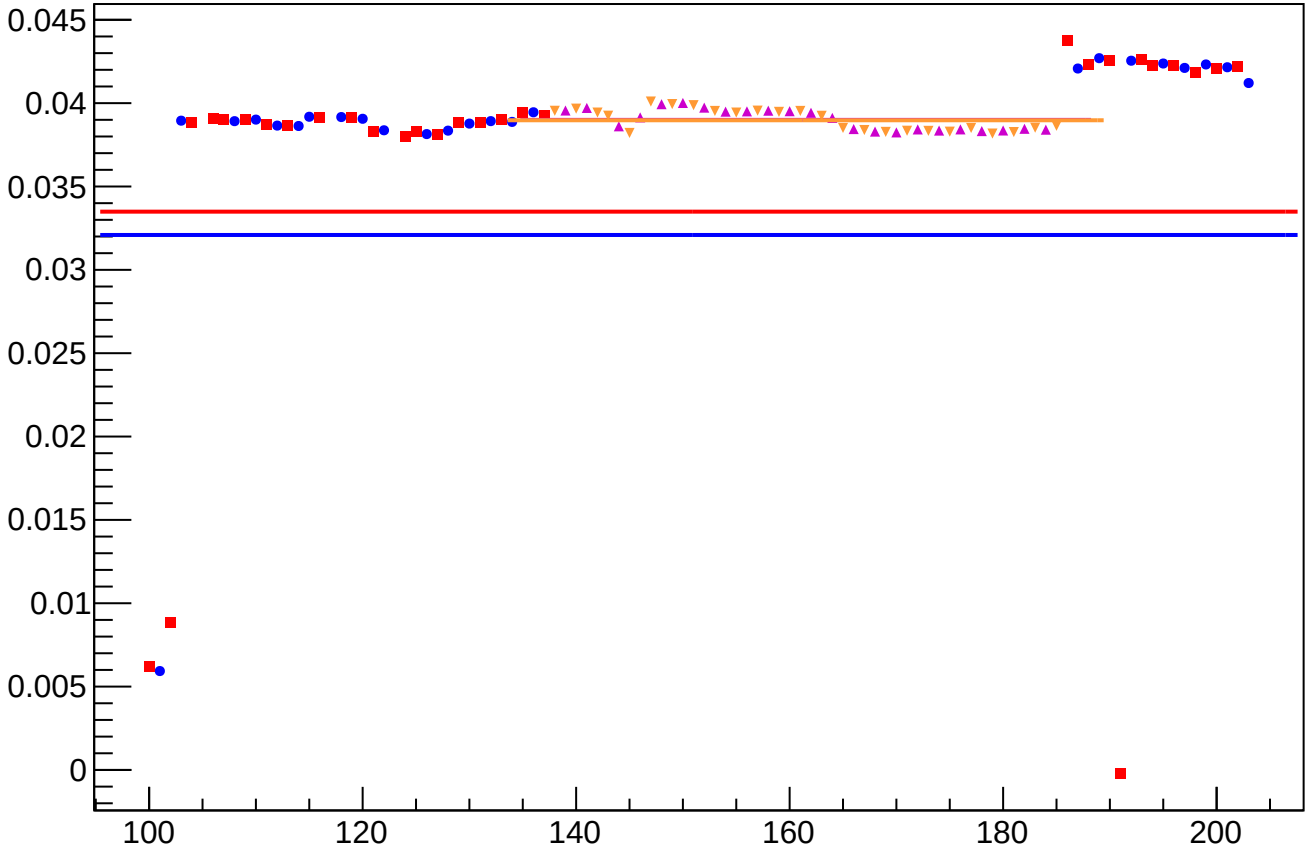
Right: 0.000+/-0.000 χ^2/NDF: 16854481.7/52

In: 0.000+/-0.000 χ^2/NDF:9303014.4/46

Out: 0.000+/-0.000 χ^2/NDF:29282269.7/53

All: 0.000+/-0.000 χ^2/NDF: 46109693.2/100

yield_atr1_mean vs Slug, Sign Corrected



Right In: 0.032+/-0.000 χ^2/NDF: 121418694408.1/23

Left Out: 0.039+/-0.000 χ^2/NDF:477670162.8/24

Right Out: 0.033+/-0.000 χ^2/NDF: 114369436414.4/28

Left In: 0.039+/-0.000 χ^2/NDF:408808029.6/22

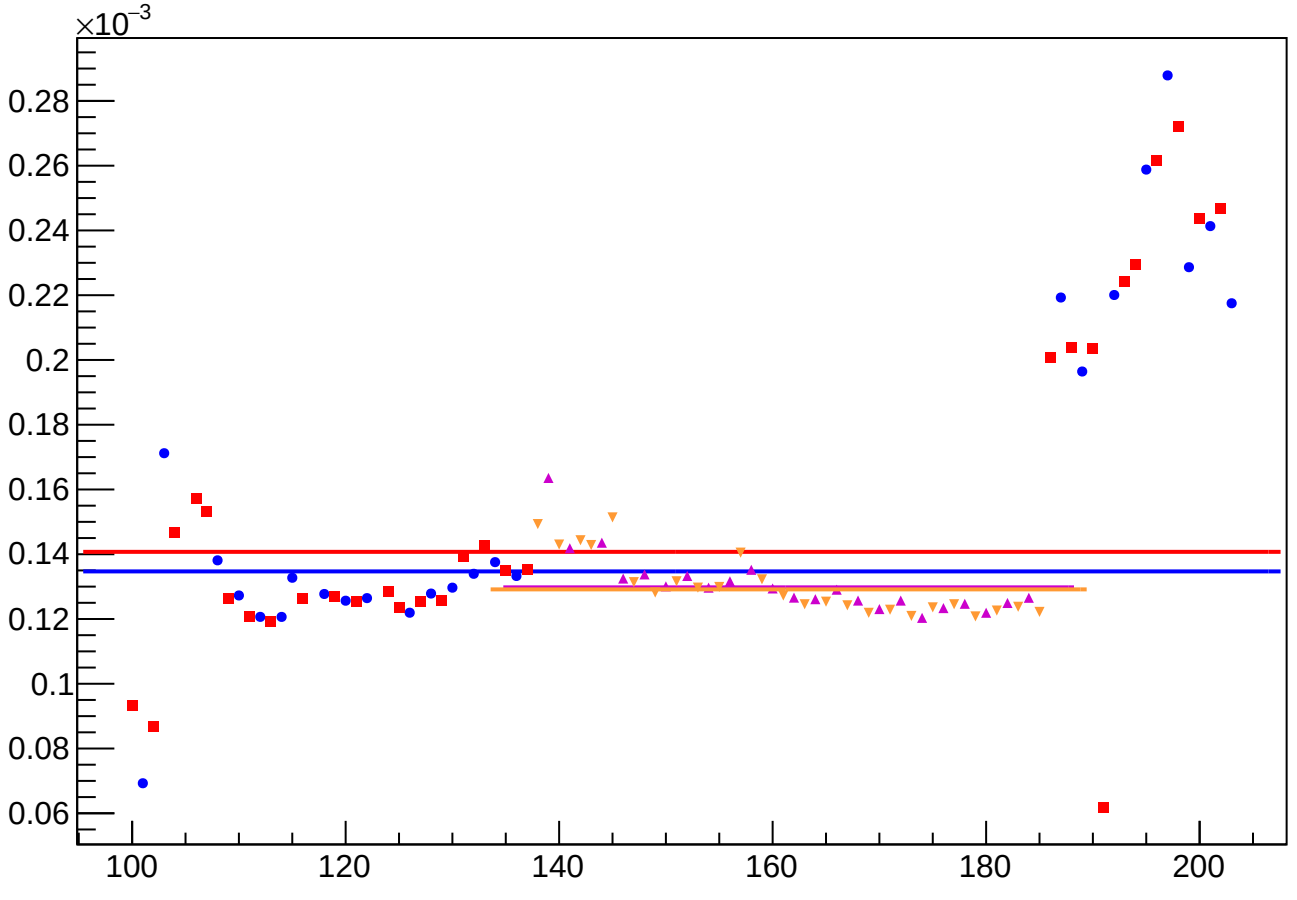
Left: 0.039+/-0.000 χ^2/NDF: 886762060.9/47

Right: 0.033+/-0.000 χ^2/NDF: 236391617736.0/52

In: 0.036+/-0.000 χ^2/NDF:140361363725.6/46

Out: 0.037+/-0.000 χ^2/NDF:126875461103.5/53

All: 0.037+/-0.000 χ^2/NDF: 267512498654.9



Right In: 0.000+/-0.000 χ^2/NDF: 3378069.2/23

Left Out: 0.000+/-0.000 χ^2/NDF:157557.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 3237071.3/28

Left In: 0.000+/-0.000 χ^2/NDF:141831.6/22

Left: 0.000+/-0.000 χ^2/NDF: 299820.4/47

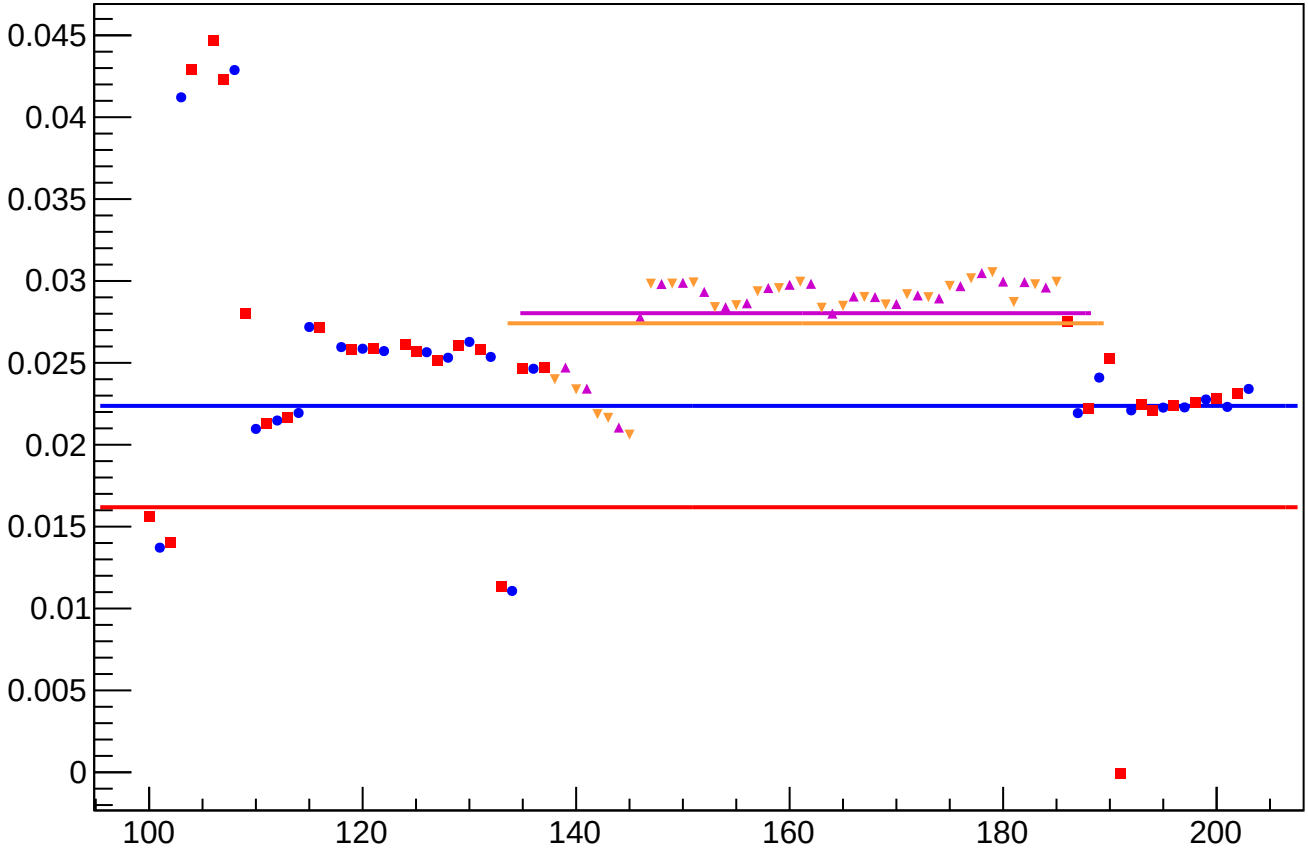
Right: 0.000+/-0.000 χ^2/NDF: 6637630.1/52

In: 0.000+/-0.000 χ^2/NDF:3538770.9/46

Out: 0.000+/-0.000 χ^2/NDF:3502204.9/53

All: 0.000+/-0.000 χ^2/NDF: 7045747.4/100

yield_atr2_mean vs Slug, Sign Corrected



Right In: 0.022+/-0.000 χ^2/NDF: 5026469269.0/23

Left Out: 0.027+/-0.000 χ^2/NDF:2240091851.9/24

Right Out: 0.016+/-0.000 χ^2/NDF: 25160812455.7/28

Left In: 0.028+/-0.000 χ^2/NDF:1490587051.3/22

Left: 0.028+/-0.000 χ^2/NDF: 3768752418.2/47

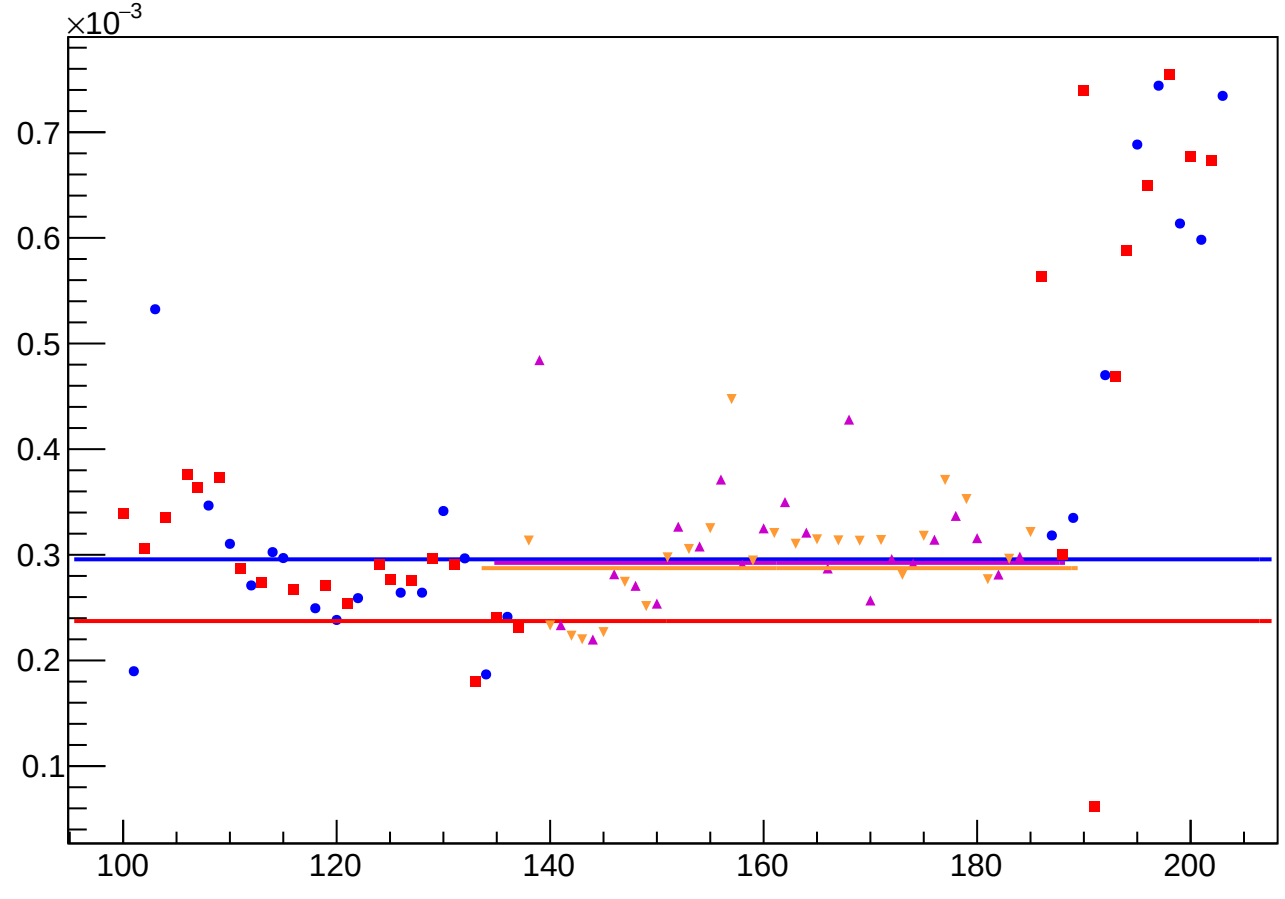
Right: 0.019+/-0.000 χ^2/NDF: 32799723137.6/52

In: 0.026+/-0.000 χ^2/NDF:8846621196.4/46

Out: 0.022+/-0.000 χ^2/NDF:38951000709.6/53

All: 0.024+/-0.000 χ^2/NDF: 49795697490.7/

yield_atr2_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 3860221.1/23

Left Out: 0.000+/-0.000 χ^2/NDF:821515.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 8197745.5/28

Left In: 0.000+/-0.000 χ^2/NDF:970483.1/22

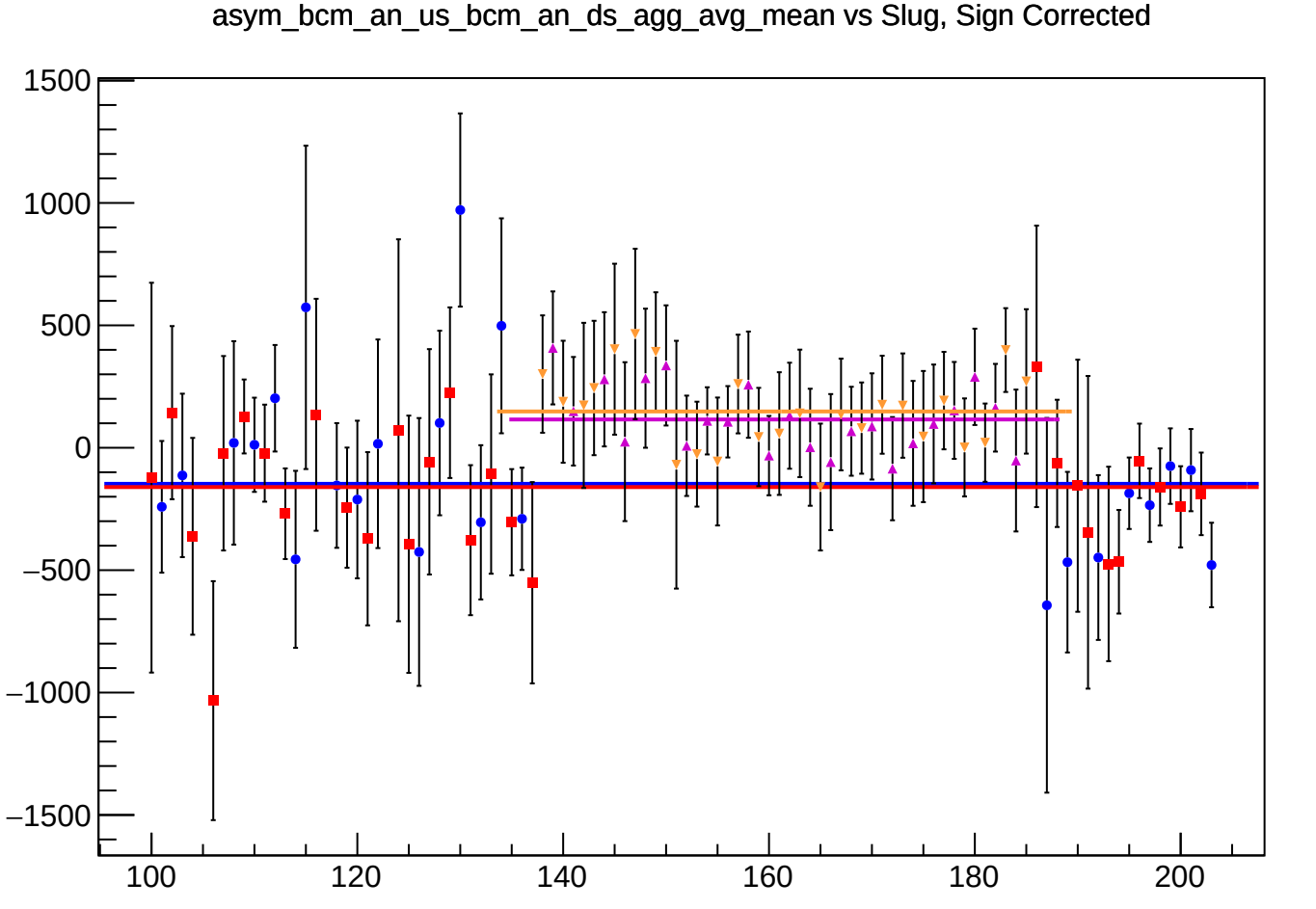
Left: 0.000+/-0.000 χ^2/NDF: 1796968.4/47

Right: 0.000+/-0.000 χ^2/NDF: 12523680.1/52

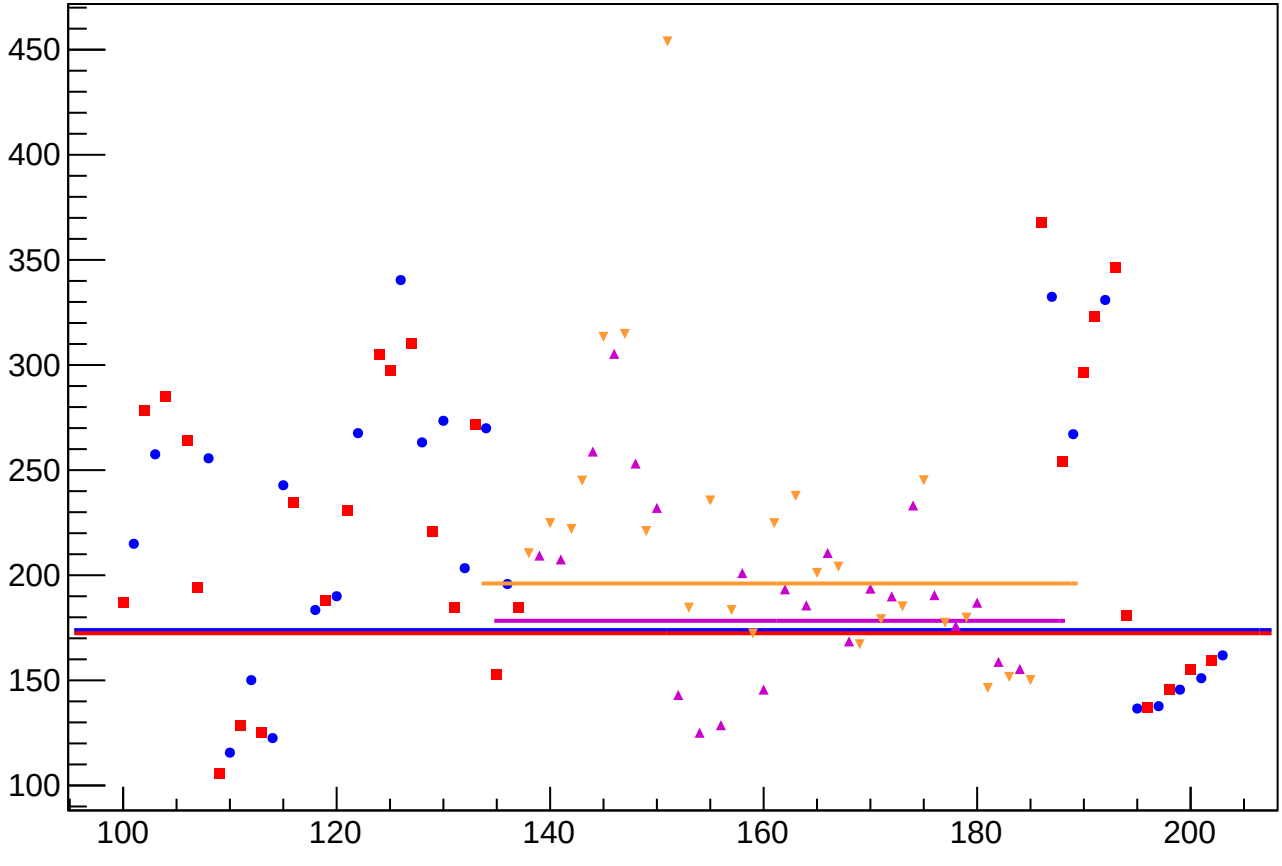
In: 0.000+/-0.000 χ^2/NDF:4832337.3/46

Out: 0.000+/-0.000 χ^2/NDF:9478802.9/53

All: 0.000+/-0.000 χ^2/NDF: 14582807.9/100


asym_bcm_an_us_bcm_an_ds_agg_avg_mean vs Slug, Sign Corrected
1500
1000
500
0
−500
−1000
−1500
100
120
140
160
180
200
Right In: -147.312+/-50.478 χ²/NDF: 23.7/23
Left Out: 148.273+/-46.219 χ²/NDF:10.4/24
Right Out: -160.685+/-48.582 χ²/NDF: 17.5/28
Left In: 115.487+/-43.568 χ²/NDF:7.8/22
Left: 130.913+/-31.703 χ²/NDF: 18.4/47
Right: -154.254+/-35.004 χ²/NDF: 41.2/52
In: 3.293+/-32.982 χ²/NDF:47.0/46
Out: 1.490+/-33.486 χ²/NDF:49.1/53
All: 2.405+/-23.498 χ²/NDF: 96.1/100

asym_bcm_an_us_bcm_an_ds_agg_avg_rms vs Slug, Sign Corrected



Right In: 173.906+/-0.036 χ^2/NDF: 2194188.9/23

Left Out: 196.087+/-0.033 χ^2/NDF:1818492.9/24

Right Out: 172.415+/-0.034 χ^2/NDF: 2900612.5/28

Left In: 178.318+/-0.031 χ^2/NDF:1678336.4/22

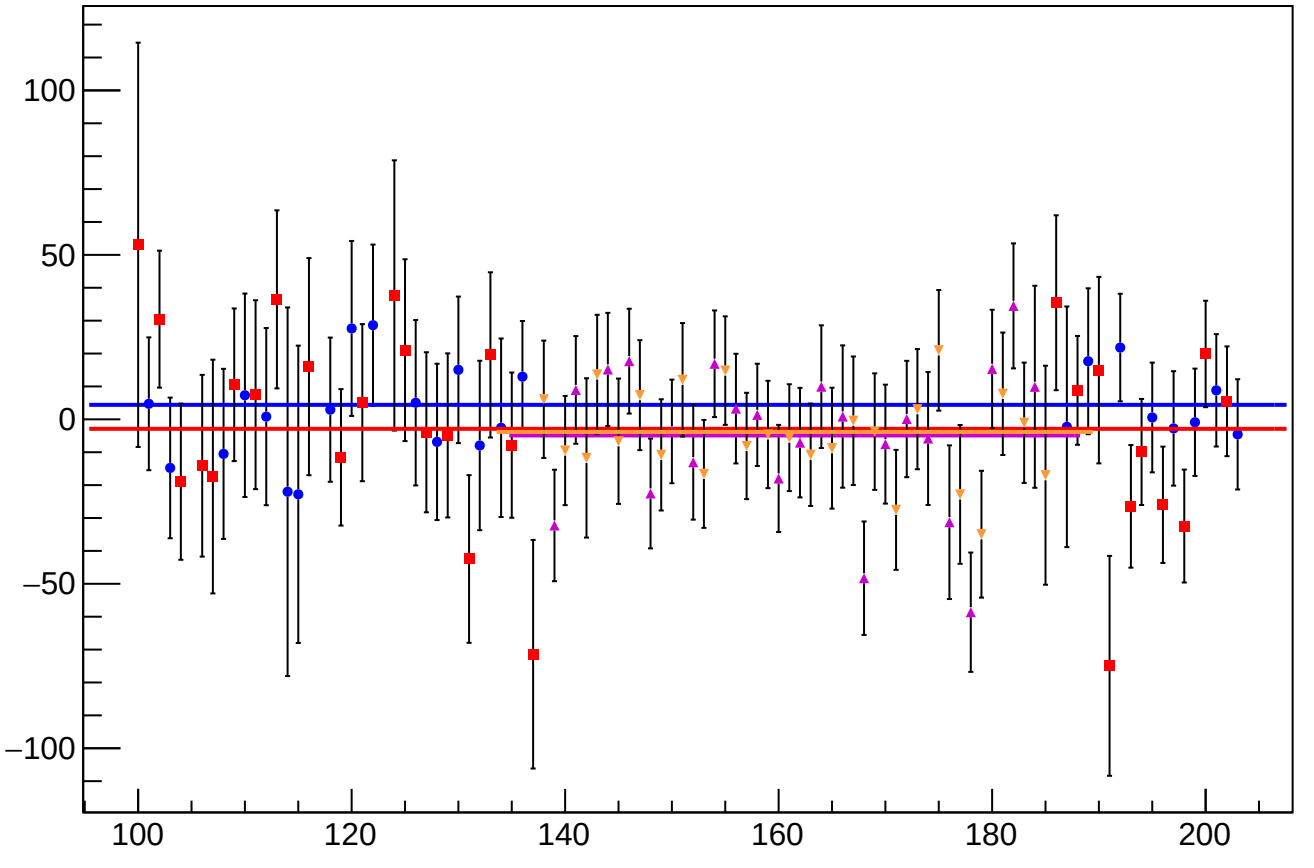
Left: 186.678+/-0.022 χ^2/NDF: 3653348.5/47

Right: 173.132+/-0.025 χ^2/NDF: 5095707.6/52

In: 176.434+/-0.023 χ^2/NDF:3881281.6/46

Out: 184.840+/-0.024 χ^2/NDF:4968355.6/53

All: 180.573+/-0.017 χ^2/NDF: 8913607.5/100



Right In: 4.408+/-4.454 χ^2/NDF: 6.7/23

Left Out: -3.834+/-3.603 χ^2/NDF:12.9/24

Right Out: -2.885+/-4.263 χ^2/NDF: 32.6/28

Left In: -4.903+/-3.695 χ^2/NDF:33.9/22

Left: -4.355+/-2.580 χ^2/NDF: 46.8/47

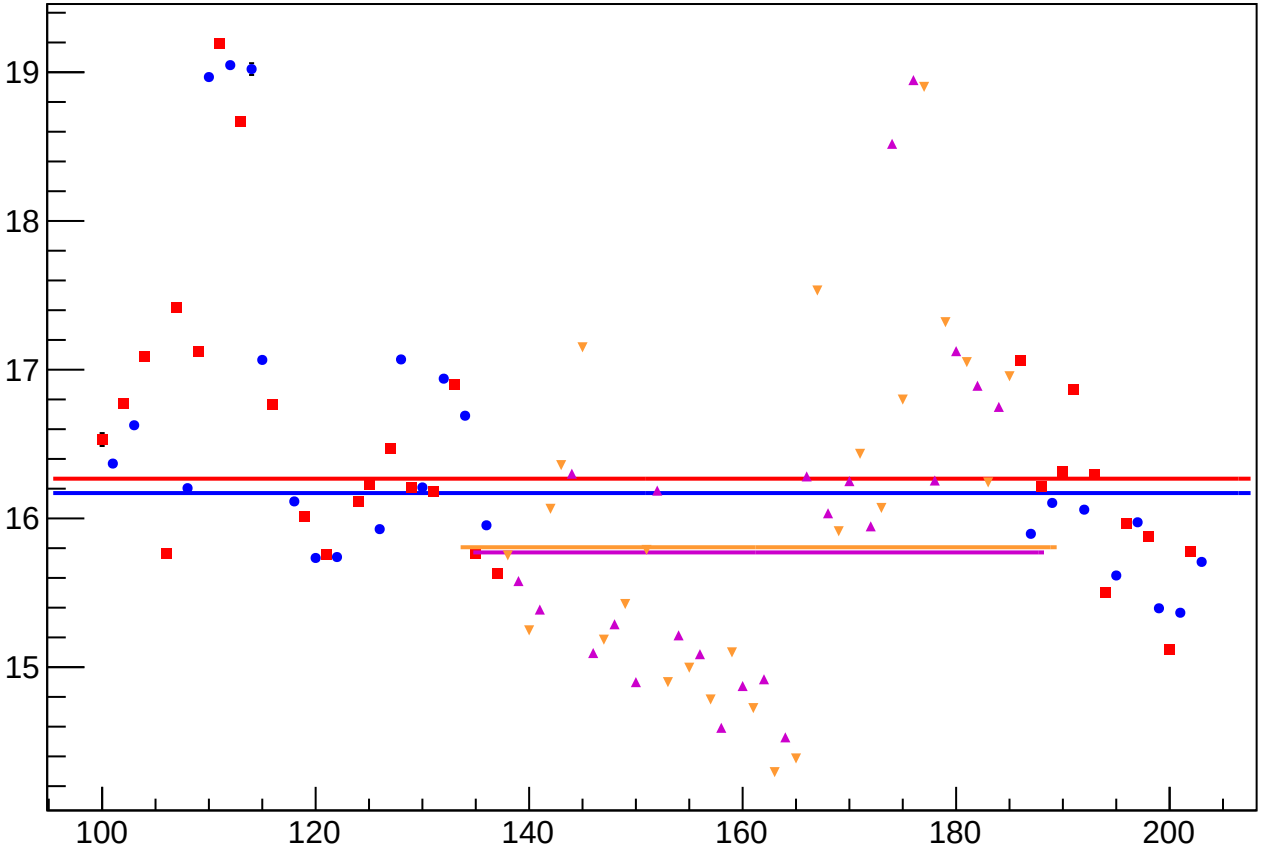
Right: 0.603+/-3.080 χ^2/NDF: 40.7/52

In: -1.107+/-2.844 χ^2/NDF:43.2/46

Out: -3.439+/-2.752 χ^2/NDF:45.4/53

All: -2.311+/-1.978 χ^2/NDF: 89.0/100

asym_bcm_an_avg_bcm_dg_ds_agg_dd_rms vs Slug, Sign Corrected



Right In: 16.171+/-0.003 χ^2/NDF: 66477.3/23

Left Out: 15.806+/-0.003 χ^2/NDF:172651.3/24

Right Out: 16.267+/-0.003 χ^2/NDF: 70786.0/28

Left In: 15.771+/-0.003 χ^2/NDF:152136.7/22

Left: 15.789+/-0.002 χ^2/NDF: 324879.5/47

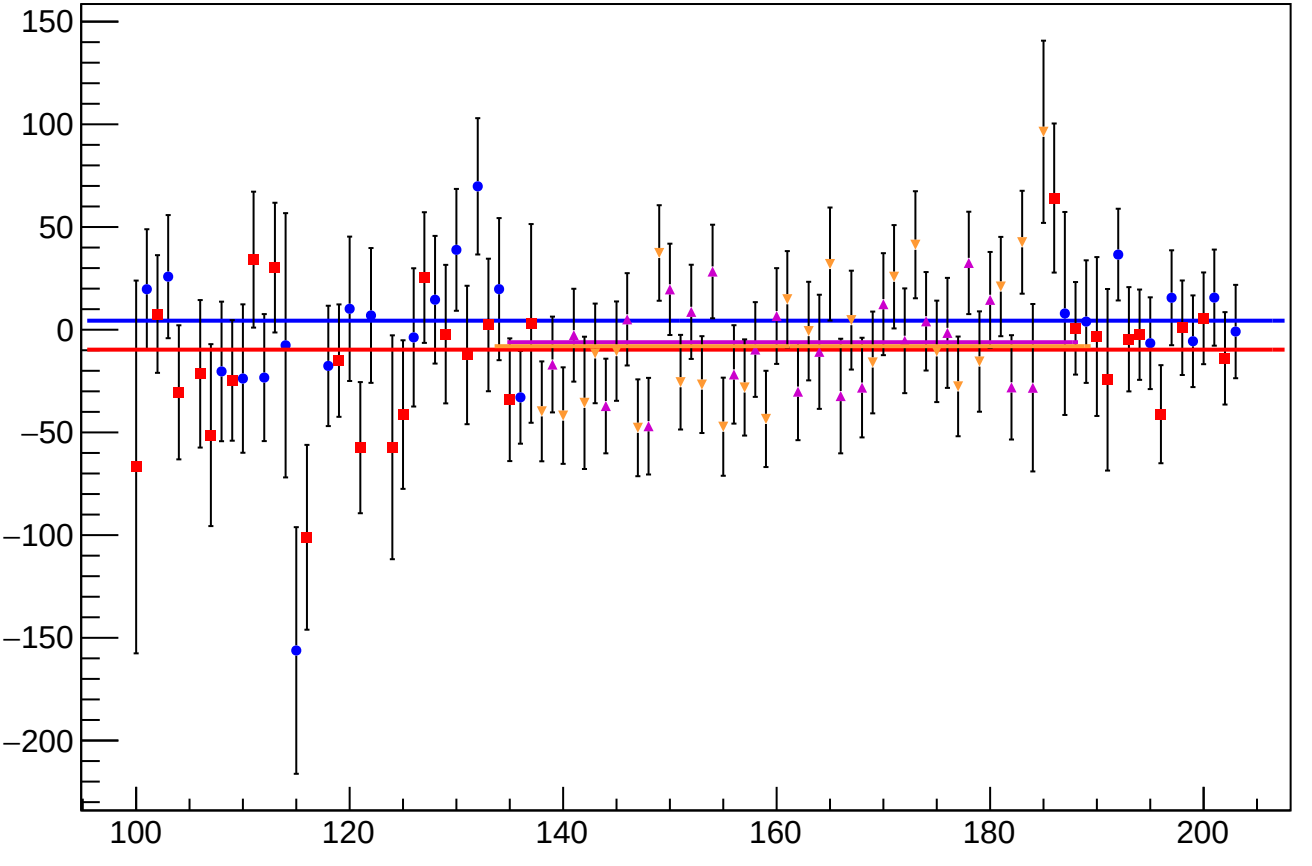
Right: 16.221+/-0.002 χ^2/NDF: 137755.0/52

In: 15.934+/-0.002 χ^2/NDF:228127.2/46

Out: 15.998+/-0.002 χ^2/NDF:257075.3/53

All: 15.967+/-0.001 χ^2/NDF: 485728.2/100

asym_bcm_an_avg_bcm_dg_us_agg_dd_mean vs Slug, Sign Corrected



Right In: 4.396+/-5.941 χ^2/NDF: 21.9/23

Left Out: -8.016+/-4.956 χ^2/NDF:38.9/24

Right Out: -9.705+/-5.683 χ^2/NDF: 22.9/28

Left In: -6.086+/-5.080 χ^2/NDF:17.9/22

Left: -7.075+/-3.547 χ^2/NDF: 56.8/47

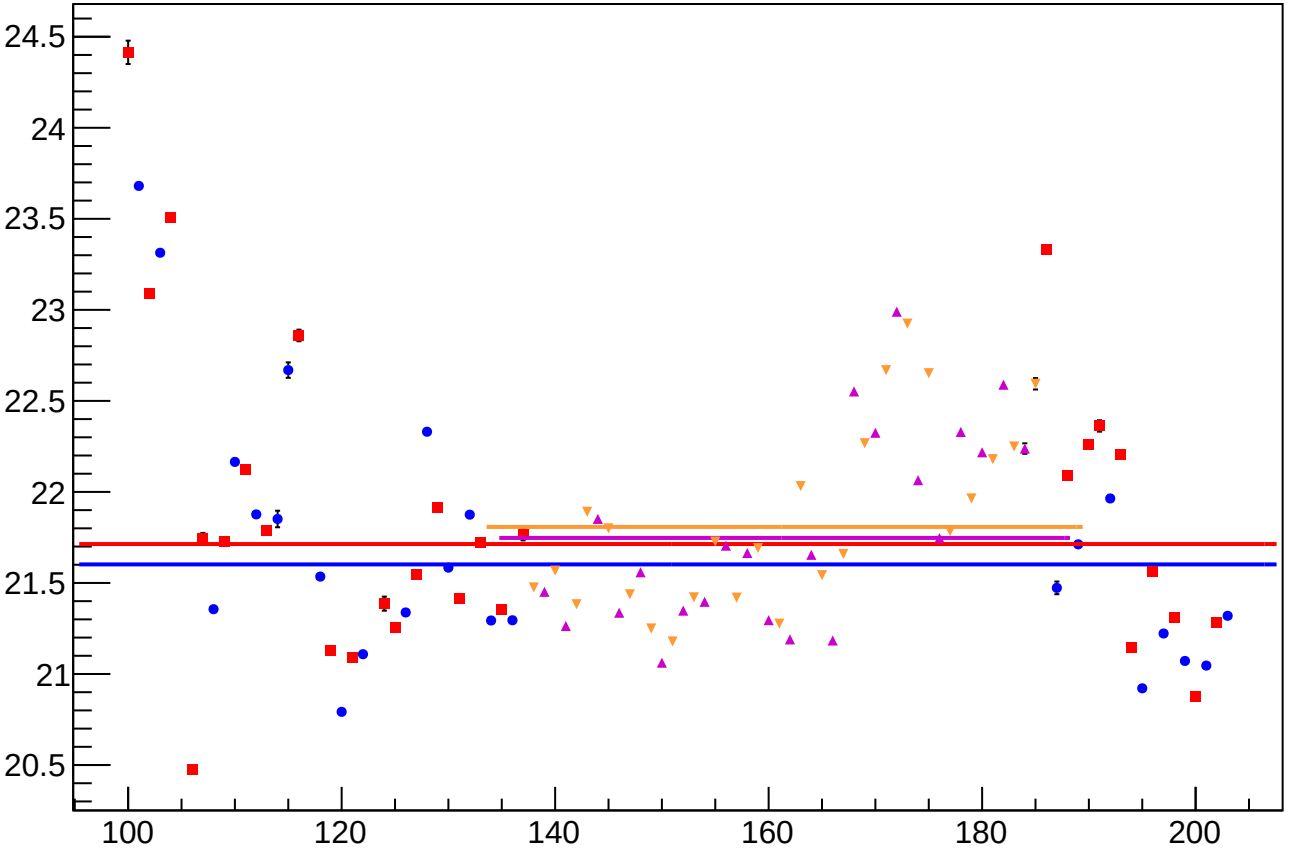
Right: -2.967+/-4.107 χ^2/NDF: 47.8/52

In: -1.659+/-3.861 χ^2/NDF:41.6/46

Out: -8.745+/-3.735 χ^2/NDF:61.8/53

All: -5.319+/-2.685 χ^2/NDF: 105.1/100

asym_bcm_an_avg_bcm_dg_us_agg_dd_rms vs Slug, Sign Corrected



Right In: 21.602+/-0.004 χ^2/NDF: 27008.5/23

Left Out: 21.808+/-0.004 χ^2/NDF:17561.0/24

Right Out: 21.714+/-0.004 χ^2/NDF: 30762.8/28

Left In: 21.747+/-0.004 χ^2/NDF:20560.9/22

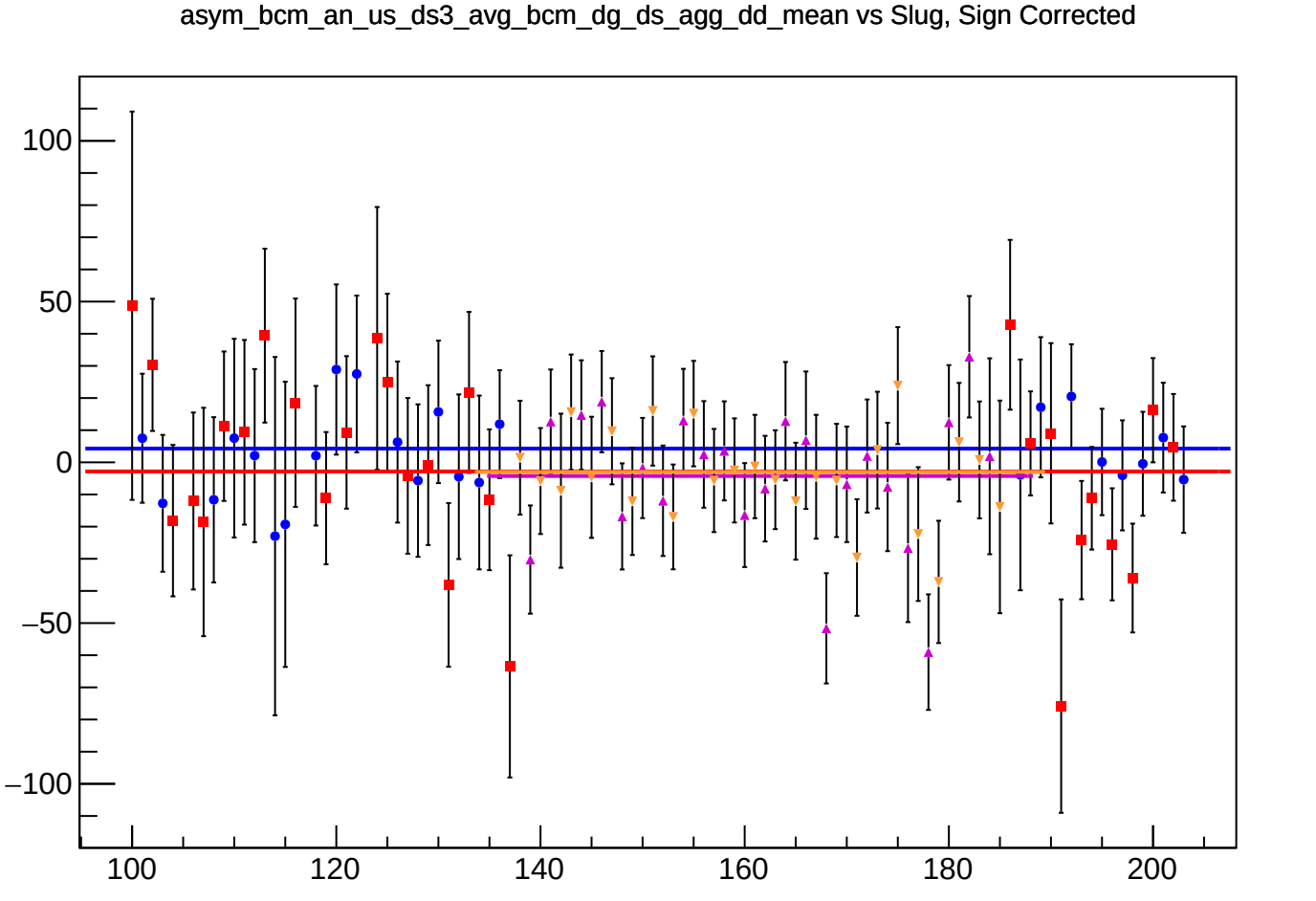
Left: 21.778+/-0.003 χ^2/NDF: 38266.9/47

Right: 21.660+/-0.003 χ^2/NDF: 58141.8/52

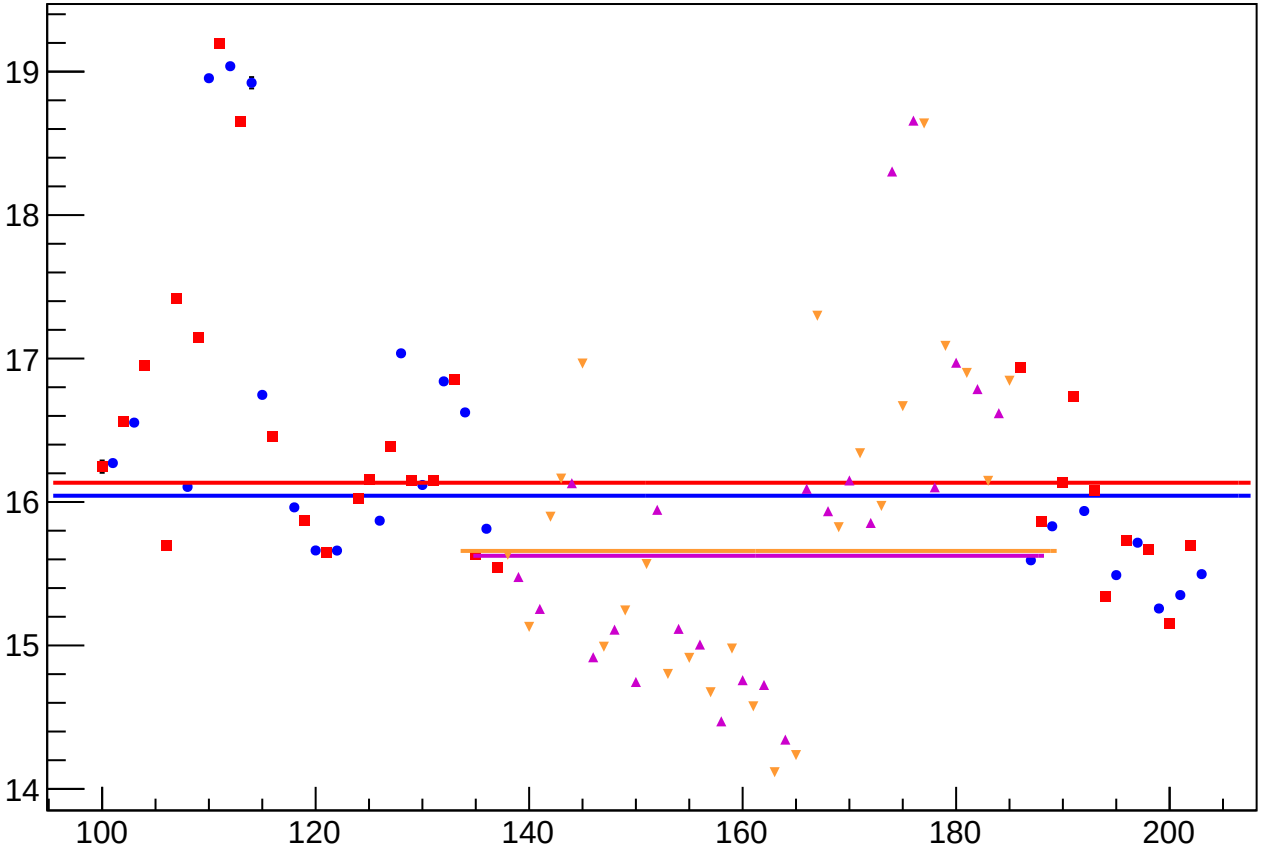
In: 21.686+/-0.003 χ^2/NDF:48261.4/46

Out: 21.767+/-0.003 χ^2/NDF:48634.2/53

All: 21.728+/-0.002 χ^2/NDF: 97353.3/100


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: 4.283+/-4.419 χ²/NDF: 6.5/23
Left Out: -3.002+/-3.569 χ²/NDF:14.6/24
Right Out: -2.833+/-4.229 χ²/NDF: 33.1/28
Left In: -4.249+/-3.661 χ²/NDF:33.8/22
Left: -3.610+/-2.555 χ²/NDF: 48.5/47
Right: 0.569+/-3.055 χ²/NDF: 40.9/52
In: -0.777+/-2.819 χ²/NDF:42.5/46
Out: -2.932+/-2.727 χ²/NDF:47.8/53
All: -1.890+/-1.960 χ²/NDF: 90.6/100

asym_bcm_an_us_ds3_avg_bcm_dg_ds_agg_dd_rms vs Slug, Sign Corrected



Right In: 16.044+/-0.003 χ^2/NDF: 71296.8/23

Left Out: 15.659+/-0.003 χ^2/NDF:169838.6/24

Right Out: 16.134+/-0.003 χ^2/NDF: 74429.1/28

Left In: 15.625+/-0.003 χ^2/NDF:150431.7/22

Left: 15.642+/-0.002 χ^2/NDF: 320358.4/47

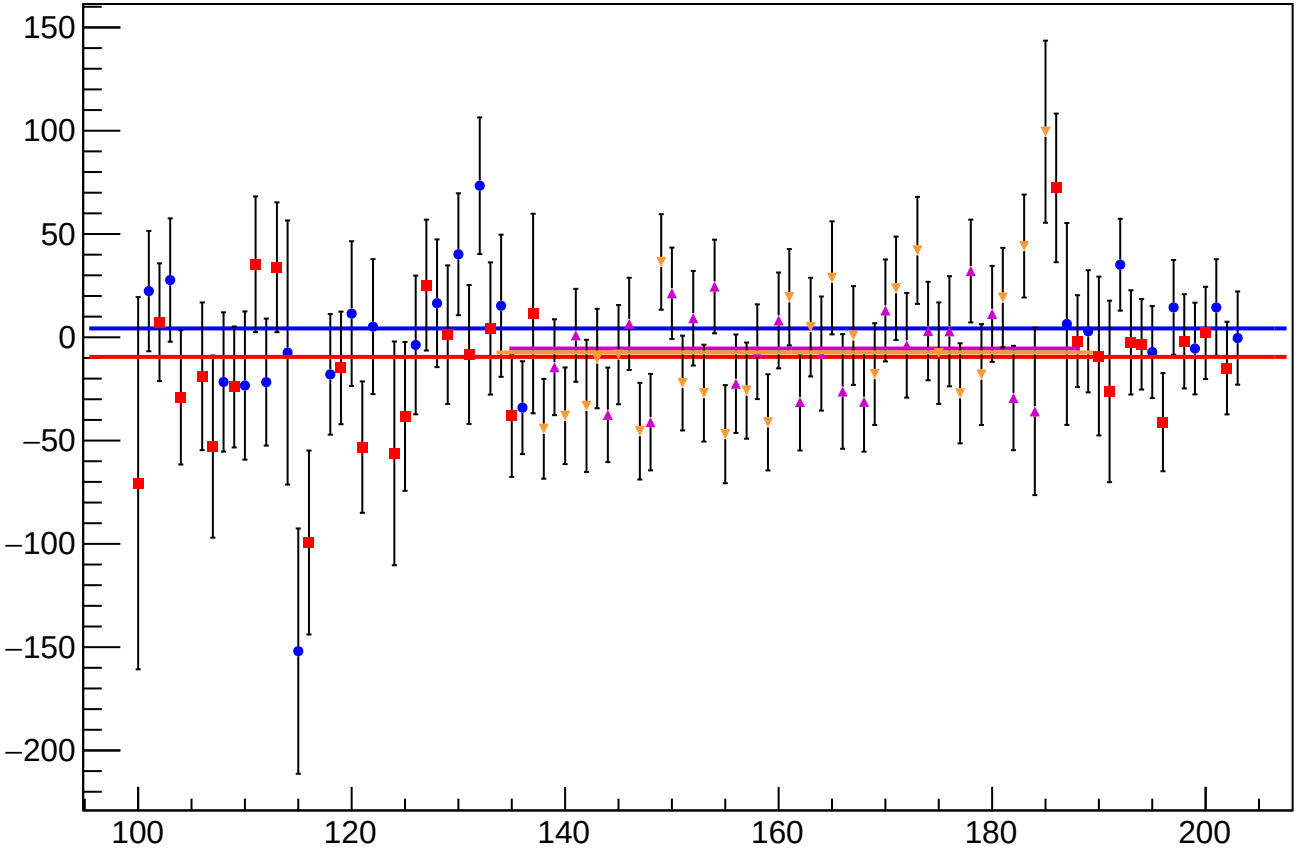
Right: 16.091+/-0.002 χ^2/NDF: 146164.4/52

In: 15.795+/-0.002 χ^2/NDF:232371.2/46

Out: 15.857+/-0.002 χ^2/NDF:259023.2/53

All: 15.827+/-0.001 χ^2/NDF: 491882.0/100

asym_bcm_an_us_ds3_avg_bcm_dg_us_agg_dd_mean vs Slug, Sign Corrected



Right In: 4.293+/-5.912 χ^2/NDF: 22.4/23

Left Out: -7.318+/-4.929 χ^2/NDF:38.6/24

Right Out: -9.485+/-5.653 χ^2/NDF: 24.0/28

Left In: -5.435+/-5.054 χ^2/NDF:17.3/22

Left: -6.400+/-3.529 χ^2/NDF: 56.0/47

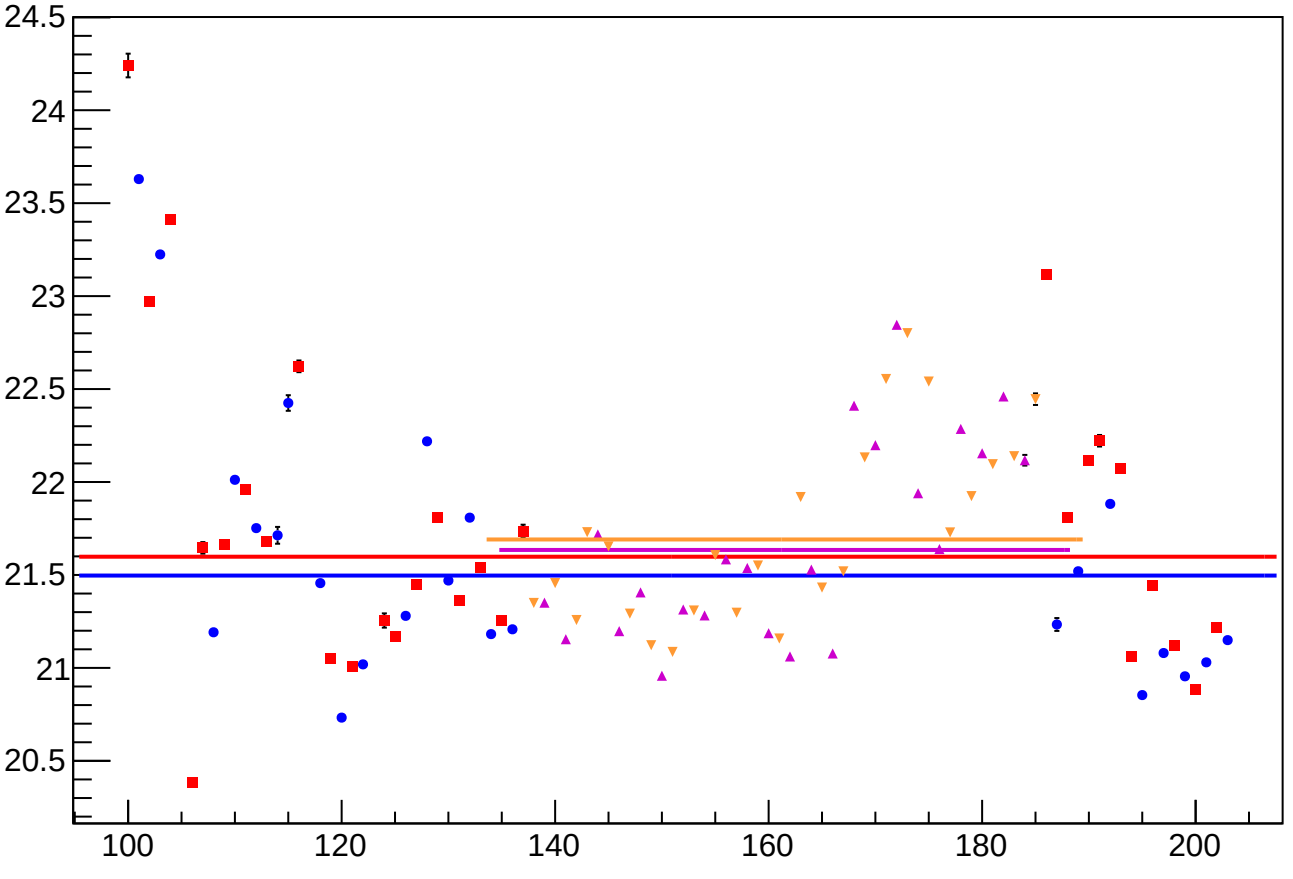
Right: -2.905+/-4.086 χ^2/NDF: 49.2/52

In: -1.327+/-3.841 χ^2/NDF:41.2/46

Out: -8.254+/-3.715 χ^2/NDF:62.7/53

All: -4.906+/-2.671 χ^2/NDF: 105.6/100

asym_bcm_an_us_ds3_avg_bcm_dg_us_agg_dd_rms vs Slug, Sign Corrected



Right In: 21.497+/-0.004 χ^2/NDF: 27320.0/23

Left Out: 21.691+/-0.003 χ^2/NDF:17934.9/24

Right Out: 21.598+/-0.004 χ^2/NDF: 28604.9/28

Left In: 21.635+/-0.004 χ^2/NDF:20561.5/22

Left: 21.663+/-0.002 χ^2/NDF: 38623.9/47

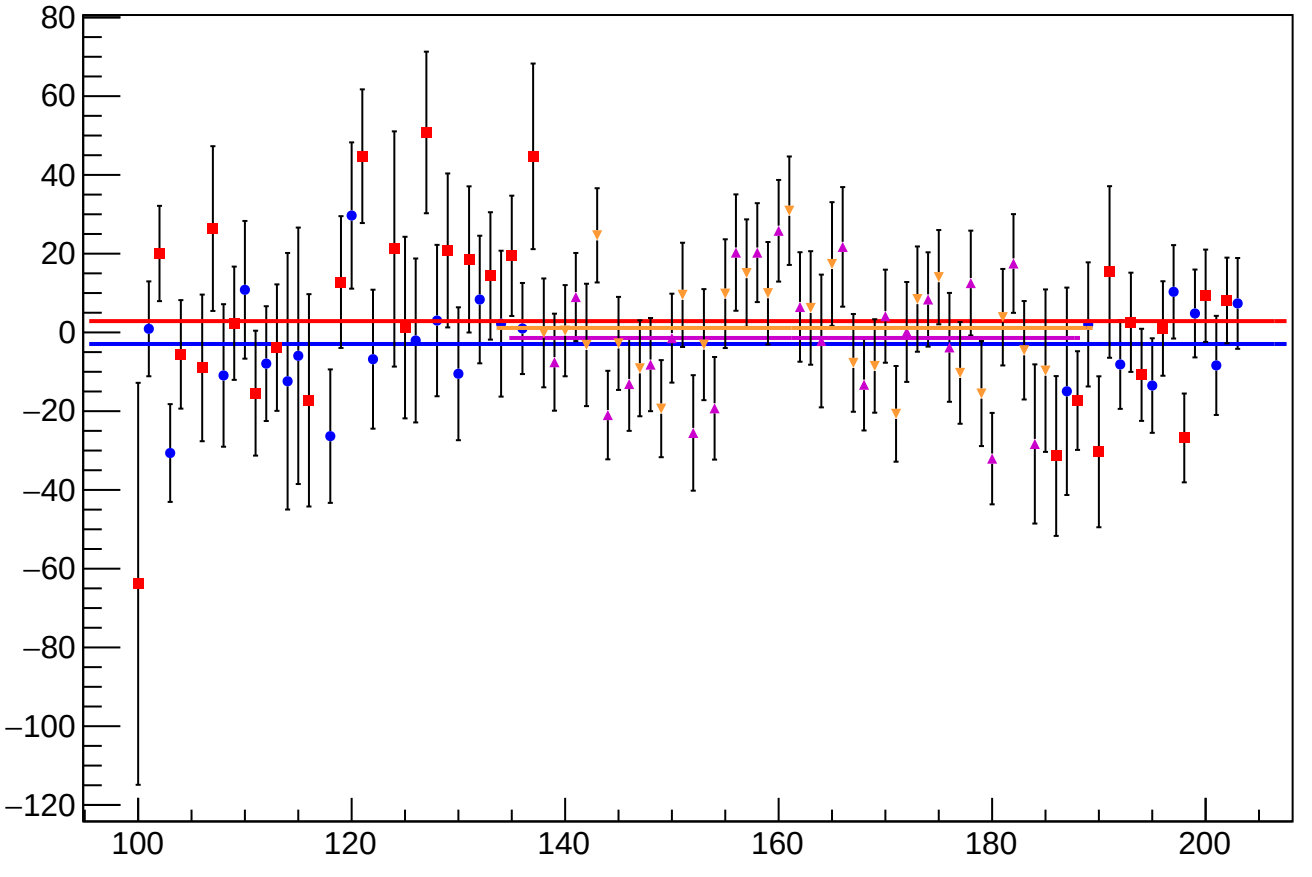
Right: 21.550+/-0.003 χ^2/NDF: 56232.6/52

In: 21.576+/-0.003 χ^2/NDF:48509.6/46

Out: 21.651+/-0.003 χ^2/NDF:46845.7/53

All: 21.615+/-0.002 χ^2/NDF: 95743.9/100

asym_bcm_an_us_bcm_an_ds_agg_dd_mean vs Slug, Sign Corrected



Right In: -2.937+/-3.045 χ^2/NDF: 16.1/23

Left Out: 1.138+/-2.620 χ^2/NDF:24.5/24

Right Out: 2.872+/-2.919 χ^2/NDF: 44.1/28

Left In: -1.407+/-2.674 χ^2/NDF:36.3/22

Left: -0.108+/-1.871 χ^2/NDF: 61.3/47

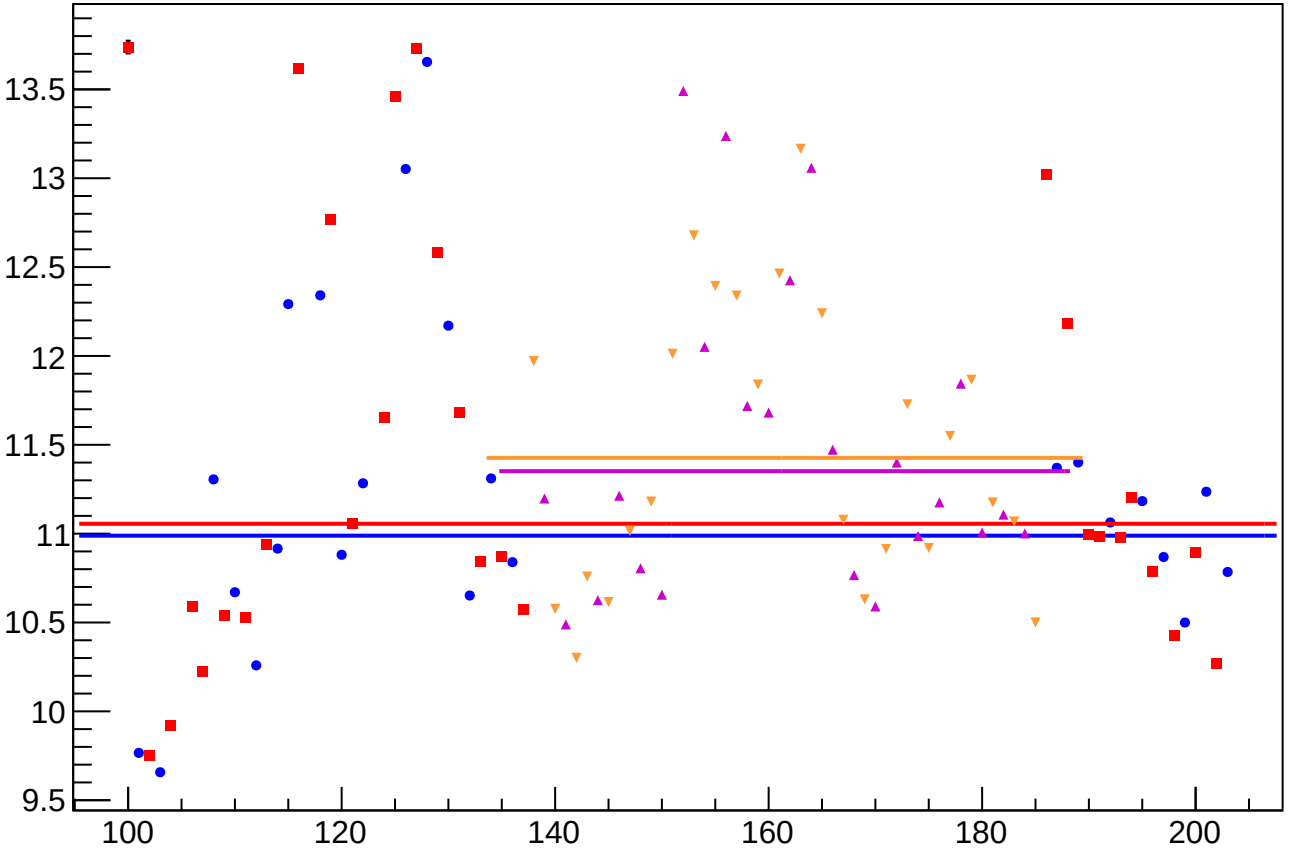
Right: 0.090+/-2.107 χ^2/NDF: 62.1/52

In: -2.073+/-2.009 χ^2/NDF:52.6/46

Out: 1.911+/-1.950 χ^2/NDF:68.8/53

All: -0.021+/-1.399 χ^2/NDF: 123.4/100

asym_bcm_an_us_bcm_an_ds_agg_dd_rms vs Slug, Sign Corrected



Right In: 10.989+/-0.002 χ^2/NDF: 144014.2/23

Left Out: 11.426+/-0.002 χ^2/NDF:156973.4/24

Right Out: 11.056+/-0.002 χ^2/NDF: 216676.4/28

Left In: 11.352+/-0.002 χ^2/NDF:170563.6/22

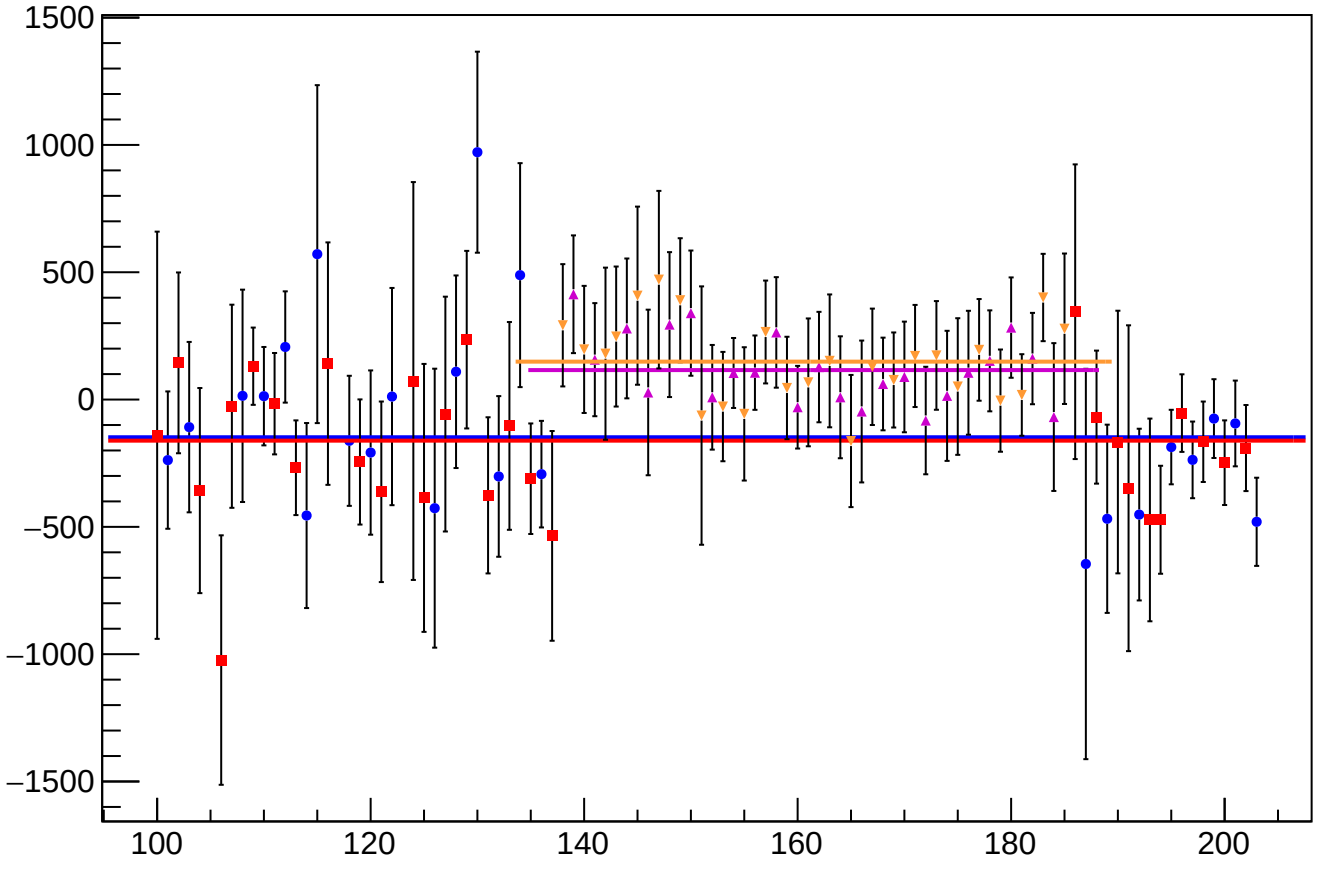
Left: 11.390+/-0.001 χ^2/NDF: 328334.9/47

Right: 11.024+/-0.001 χ^2/NDF: 361195.6/52

In: 11.194+/-0.001 χ^2/NDF:330634.7/46

Out: 11.261+/-0.001 χ^2/NDF:391526.2/53

All: 11.228+/-0.001 χ^2/NDF: 723320.3/100



Right In: -148.072+/-50.617 χ^2/NDF: 23.7/23

Left Out: 148.905+/-46.306 χ^2/NDF:10.5/24

Right Out: -161.399+/-48.718 χ^2/NDF: 17.6/28

Left In: 115.709+/-43.641 χ^2/NDF:7.8/22

Left: 131.325+/-31.759 χ^2/NDF: 18.6/47

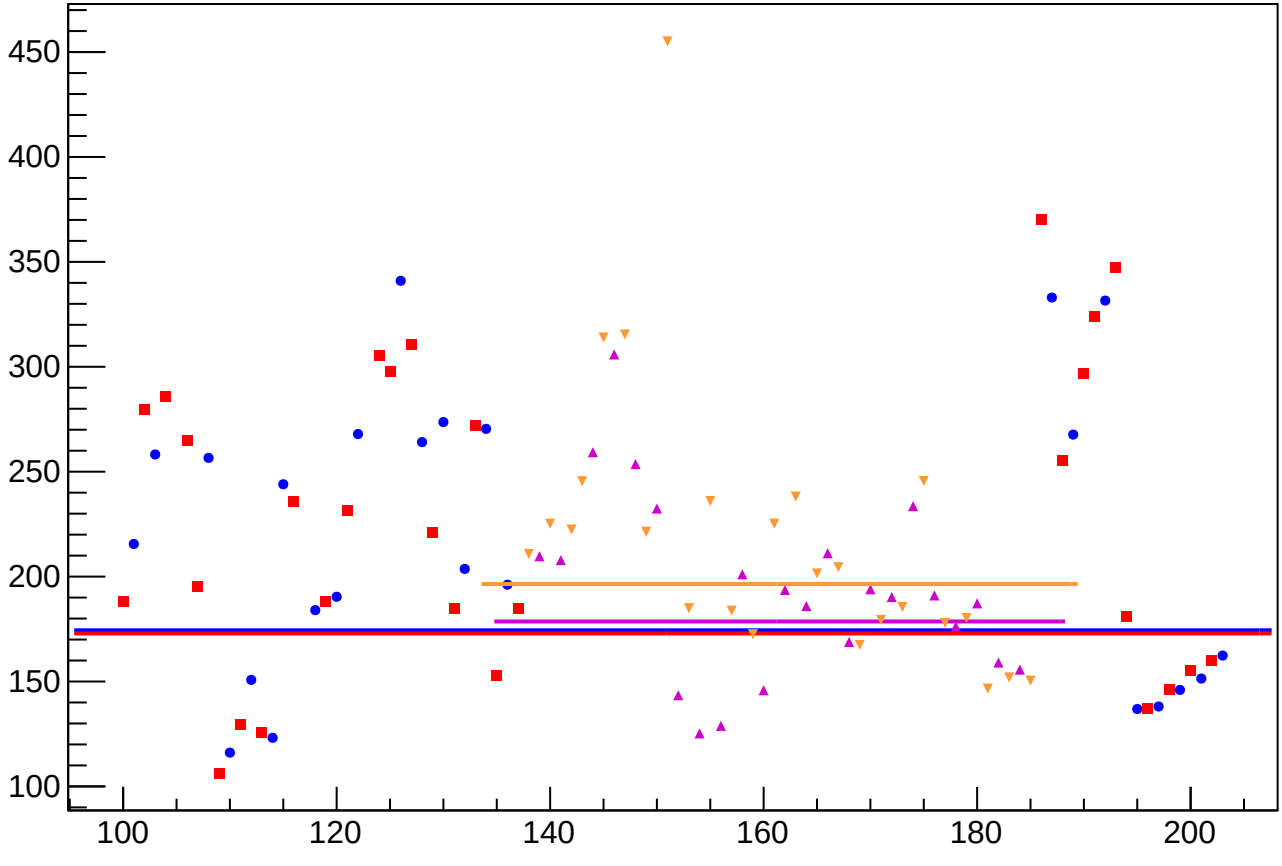
Right: -154.990+/-35.101 χ^2/NDF: 41.3/52

In: 3.235+/-33.052 χ^2/NDF:47.0/46

Out: 1.623+/-33.564 χ^2/NDF:49.4/53

All: 2.441+/-23.550 χ^2/NDF: 96.4/100

asym_bcm_an_us_bcm_an_ds3_agg_avg_rms vs Slug, Sign Corrected



Right In: 174.404+/-0.036 χ^2/NDF: 2188481.3/23

Left Out: 196.454+/-0.033 χ^2/NDF:1818746.1/24

Right Out: 172.908+/-0.034 χ^2/NDF: 2897284.5/28

Left In: 178.614+/-0.031 χ^2/NDF:1678859.8/22

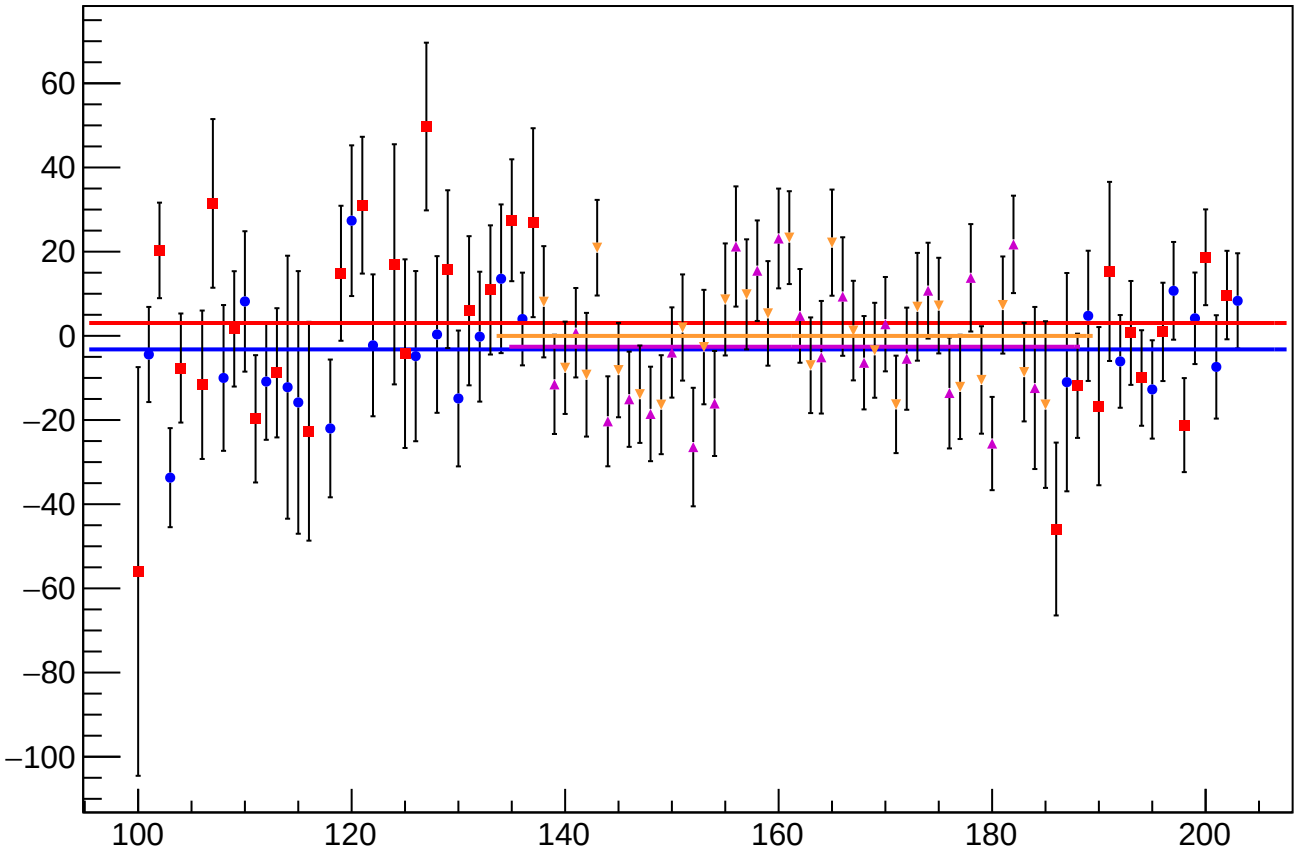
Left: 187.006+/-0.022 χ^2/NDF: 3654827.6/47

Right: 173.628+/-0.025 χ^2/NDF: 5086673.0/52

In: 176.819+/-0.023 χ^2/NDF:3875275.9/46

Out: 185.278+/-0.024 χ^2/NDF:4961475.2/53

All: 180.984+/-0.017 χ^2/NDF: 8901250.6/100



Right In: -3.222+/-2.936 χ^2/NDF: 18.2/23

Left Out: -0.018+/-2.445 χ^2/NDF:23.7/24

Right Out: 3.051+/-2.816 χ^2/NDF: 42.1/28

Left In: -2.591+/-2.506 χ^2/NDF:34.8/22

Left: -1.272+/-1.750 χ^2/NDF: 59.1/47

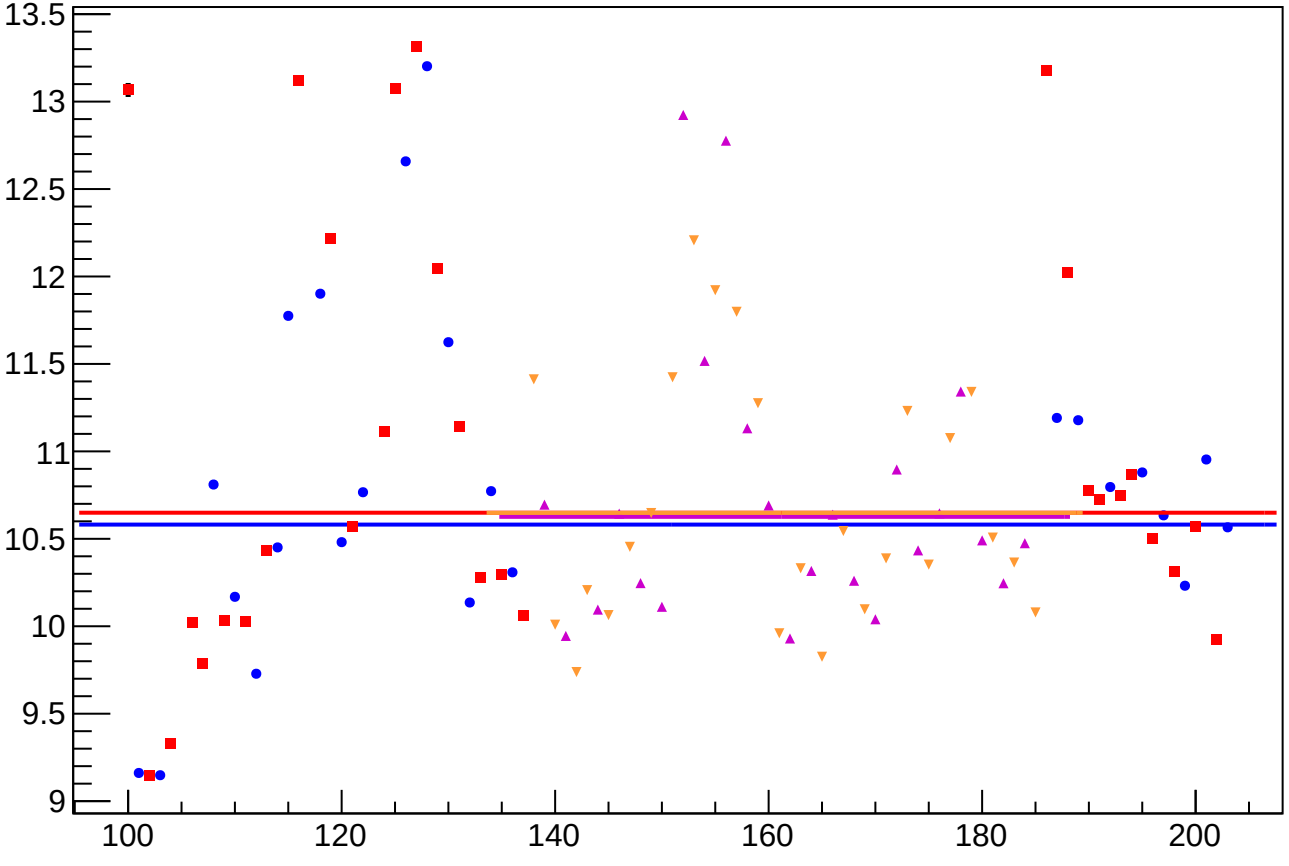
Right: 0.045+/-2.032 χ^2/NDF: 62.6/52

In: -2.857+/-1.906 χ^2/NDF:53.0/46

Out: 1.301+/-1.846 χ^2/NDF:66.5/53

All: -0.712+/-1.326 χ^2/NDF: 121.9/100

asym_bcm_an_us_bcm_an_ds3_agg_dd_rms vs Slug, Sign Corrected



Right In: 10.581+/-0.002 χ^2/NDF: 169042.9/23

Left Out: 10.648+/-0.002 χ^2/NDF:143535.9/24

Right Out: 10.649+/-0.002 χ^2/NDF: 256002.4/28

Left In: 10.626+/-0.002 χ^2/NDF:159543.1/22

Left: 10.637+/-0.001 χ^2/NDF: 303162.3/47

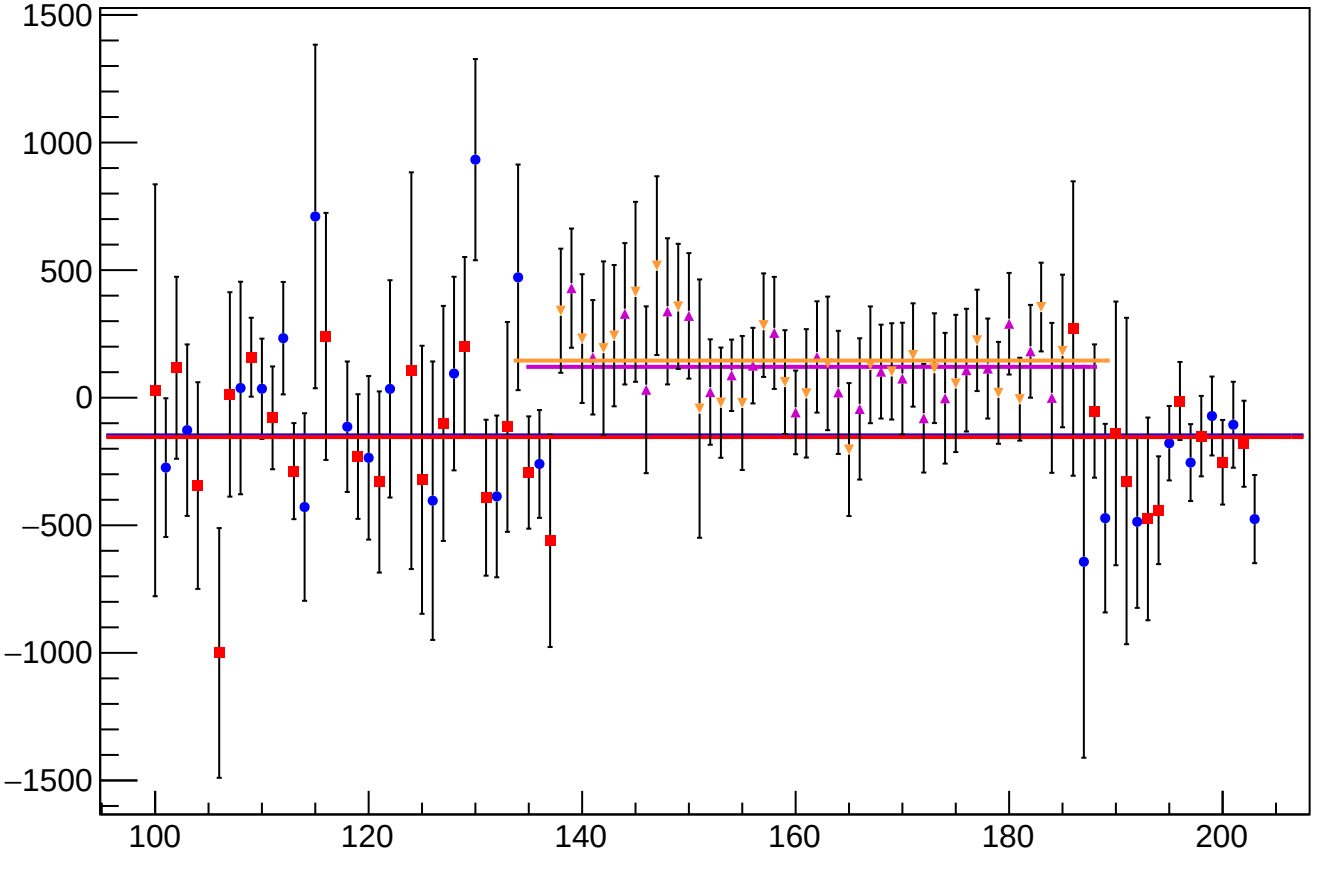
Right: 10.617+/-0.001 χ^2/NDF: 425602.4/52

In: 10.607+/-0.001 χ^2/NDF:328849.8/46

Out: 10.649+/-0.001 χ^2/NDF:399538.5/53

All: 10.628+/-0.001 χ^2/NDF: 728882.0/100

asym_bcm_dg_us_bcm_an_ds_agg_avg_mean vs Slug, Sign Corrected



Right In: -147.686+/-50.738 χ^2/NDF: 24.4/23

Left Out: 145.545+/-46.613 χ^2/NDF:10.3/24

Right Out: -154.217+/-48.922 χ^2/NDF: 17.5/28

Left In: 120.888+/-43.994 χ^2/NDF:8.2/22

Left: 132.504+/-31.994 χ^2/NDF: 18.7/47

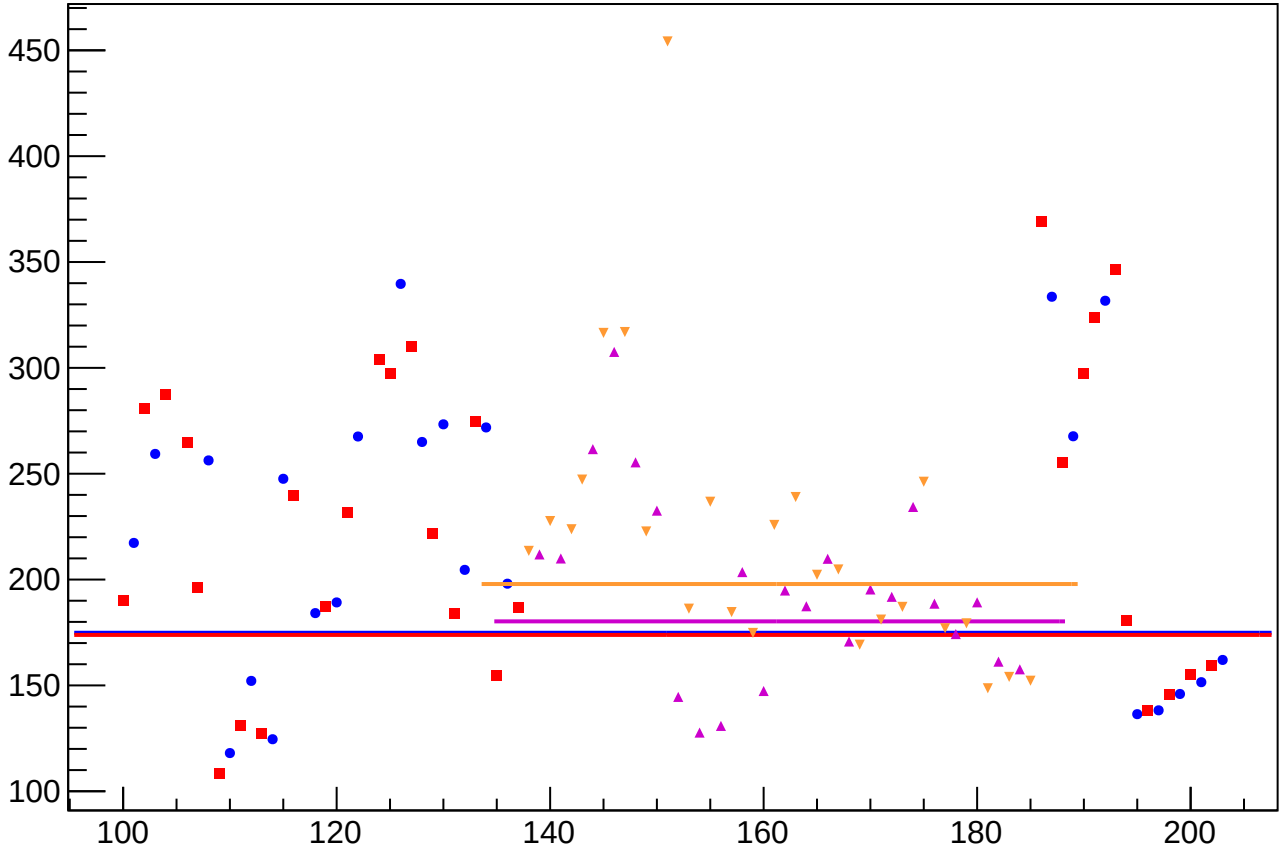
Right: -151.071+/-35.217 χ^2/NDF: 41.8/52

In: 5.622+/-33.239 χ^2/NDF:48.6/46

Out: 2.904+/-33.747 χ^2/NDF:47.4/53

All: 4.283+/-23.681 χ^2/NDF: 96.0/100

asym_bcm_dg_us_bcm_an_ds_agg_avg_rms vs Slug, Sign Corrected



Right In: 174.864+/-0.036 χ^2/NDF: 2181103.3/23

Left Out: 197.890+/-0.033 χ^2/NDF:1788849.3/24

Right Out: 173.854+/-0.035 χ^2/NDF: 2840575.8/28

Left In: 180.248+/-0.031 χ^2/NDF:1627777.0/22

Left: 188.560+/-0.023 χ^2/NDF: 3568150.7/47

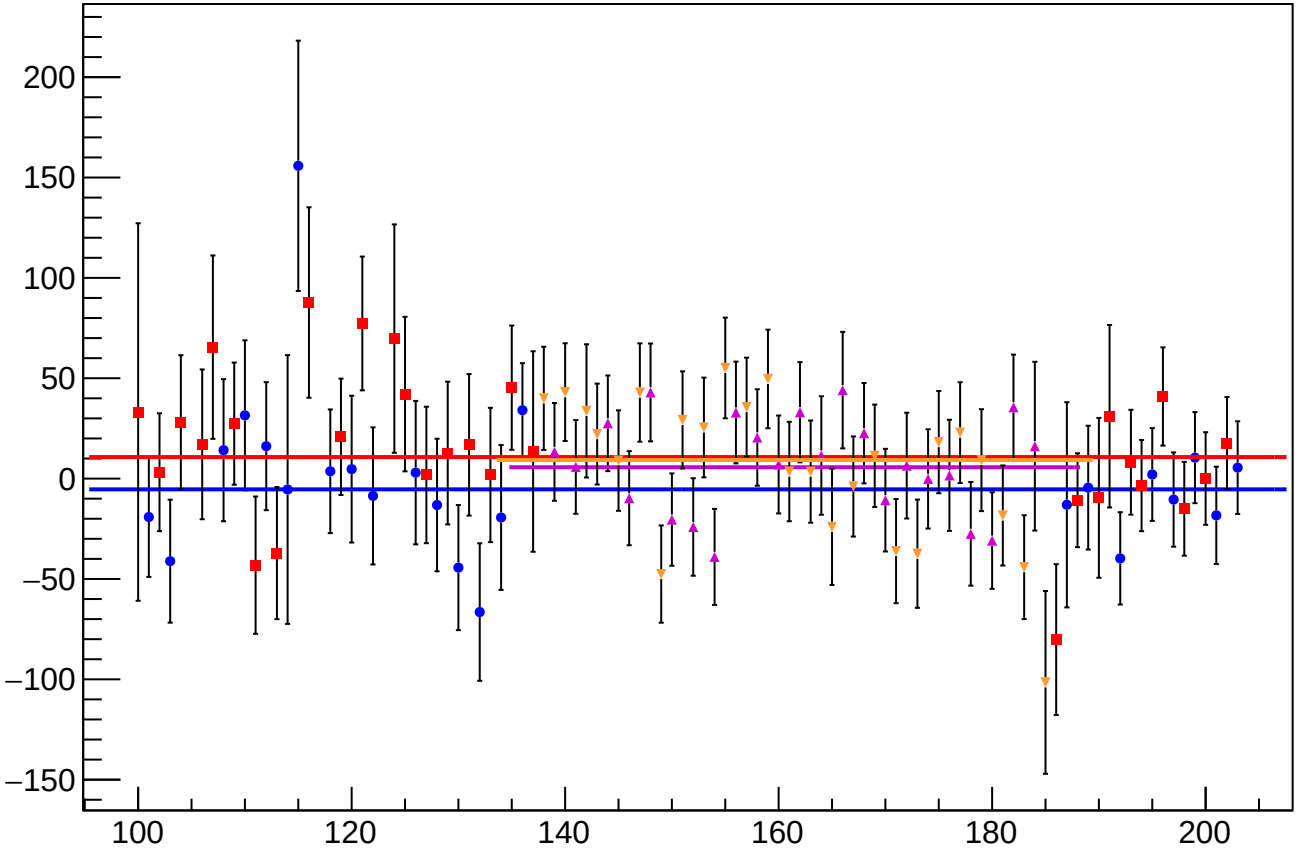
Right: 174.341+/-0.025 χ^2/NDF: 5022089.5/52

In: 177.937+/-0.024 χ^2/NDF:3821735.1/46

Out: 186.453+/-0.024 χ^2/NDF:4882473.0/53

All: 182.130+/-0.017 χ^2/NDF: 8768846.8/100

asym_bcm_dg_us_bcm_an_ds_agg_dd_mean vs Slug, Sign Corrected



Right In: -5.359+/-6.141 χ^2/NDF: 21.4/23

Left Out: 9.234+/-5.162 χ^2/NDF:39.4/24

Right Out: 10.727+/-5.884 χ^2/NDF: 27.3/28

Left In: 5.668+/-5.286 χ^2/NDF:20.8/22

Left: 7.493+/-3.693 χ^2/NDF: 60.5/47

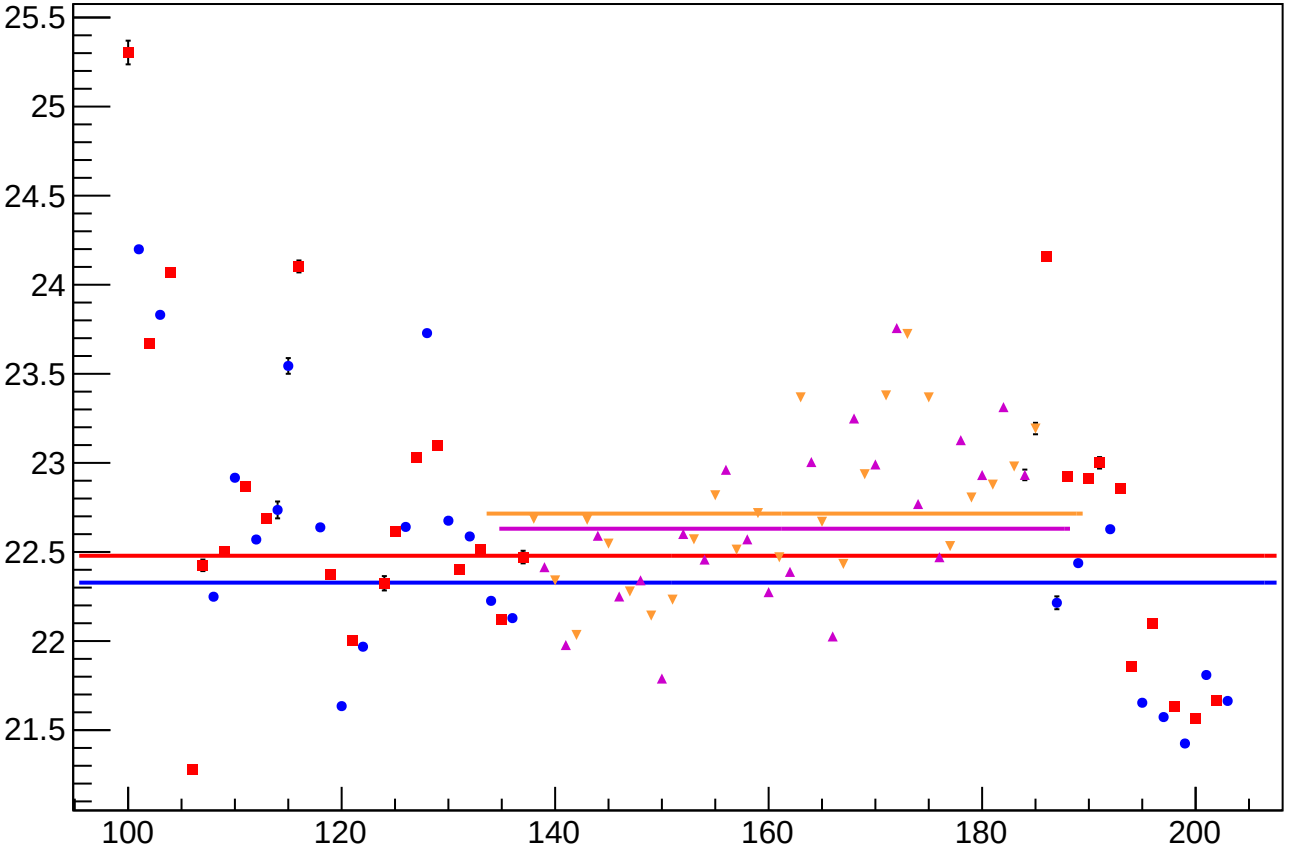
Right: 3.028+/-4.248 χ^2/NDF: 52.3/52

In: 0.975+/-4.006 χ^2/NDF:44.1/46

Out: 9.884+/-3.881 χ^2/NDF:66.8/53

All: 5.571+/-2.787 χ^2/NDF: 113.4/100

asym_bcm_dg_us_bcm_an_ds_agg_dd_rms vs Slug, Sign Corrected



Right In: 22.328+/-0.004 χ^2/NDF: 29423.1/23

Left Out: 22.715+/-0.004 χ^2/NDF:12181.4/24

Right Out: 22.479+/-0.004 χ^2/NDF: 32148.7/28

Left In: 22.631+/-0.004 χ^2/NDF:15391.4/22

Left: 22.674+/-0.003 χ^2/NDF: 27836.9/47

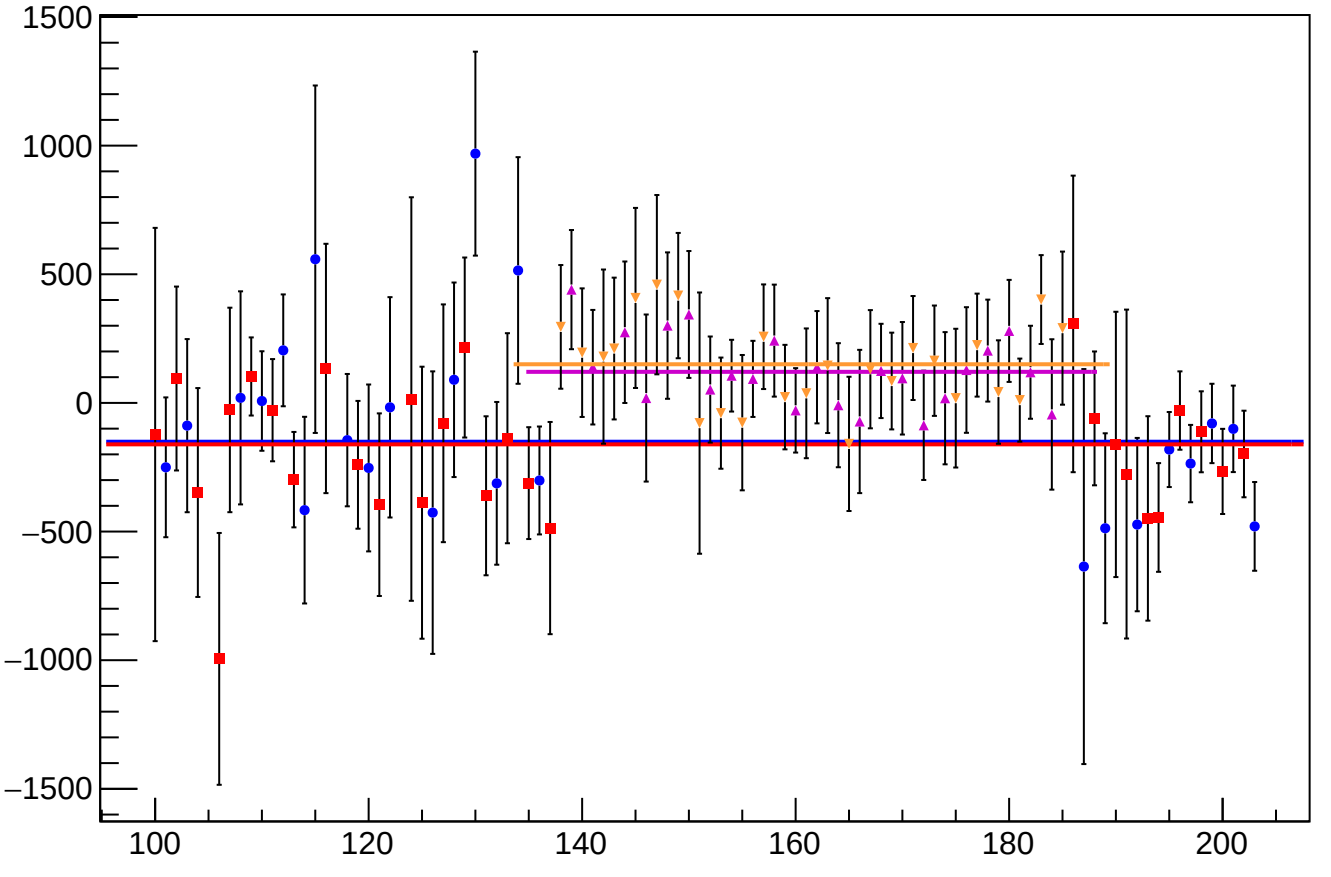
Right: 22.407+/-0.003 χ^2/NDF: 62201.0/52

In: 22.502+/-0.003 χ^2/NDF:47604.3/46

Out: 22.612+/-0.003 χ^2/NDF:46158.8/53

All: 22.559+/-0.002 χ^2/NDF: 94552.0/100

asym_bcm_dg_ds_bcm_an_ds_agg_avg_mean vs Slug, Sign Corrected



Right In: -150.855+/-50.587 χ^2/NDF: 23.7/23

Left Out: 150.218+/-46.535 χ^2/NDF:11.0/24

Right Out: -161.066+/-48.687 χ^2/NDF: 16.1/28

Left In: 120.760+/-43.920 χ^2/NDF:7.9/22

Left: 134.638+/-31.941 χ^2/NDF: 19.1/47

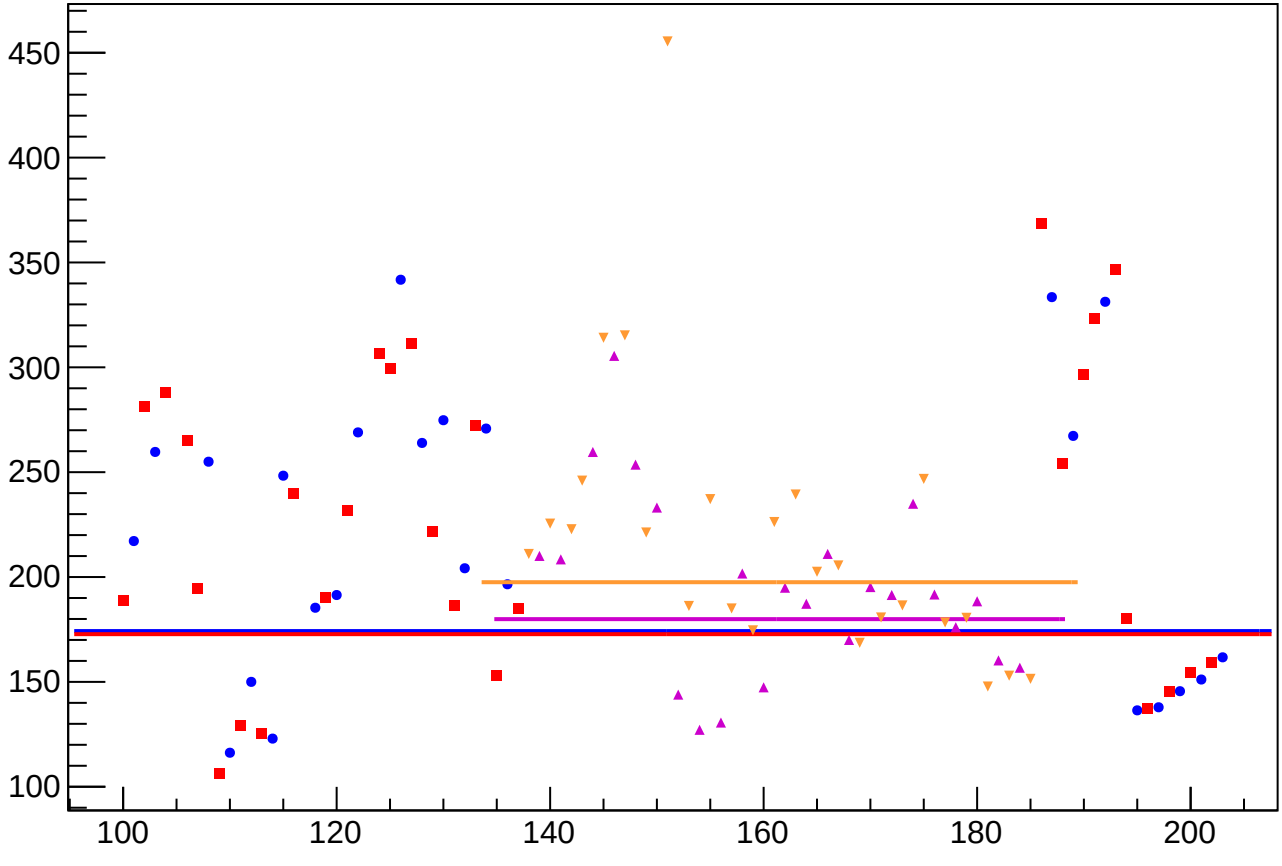
Right: -156.156+/-35.080 χ^2/NDF: 39.8/52

In: 4.020+/-33.165 χ^2/NDF:48.0/46

Out: 1.609+/-33.640 χ^2/NDF:48.4/53

All: 2.832+/-23.617 χ^2/NDF: 96.4/100

asym_bcm_dg_ds_bcm_an_ds_agg_avg_rms vs Slug, Sign Corrected



Right In: 174.230+/-0.036 χ^2/NDF: 2211716.9/23

Left Out: 197.534+/-0.033 χ^2/NDF:1789891.0/24

Right Out: 172.757+/-0.034 χ^2/NDF: 2916366.4/28

Left In: 179.923+/-0.031 χ^2/NDF:1624144.3/22

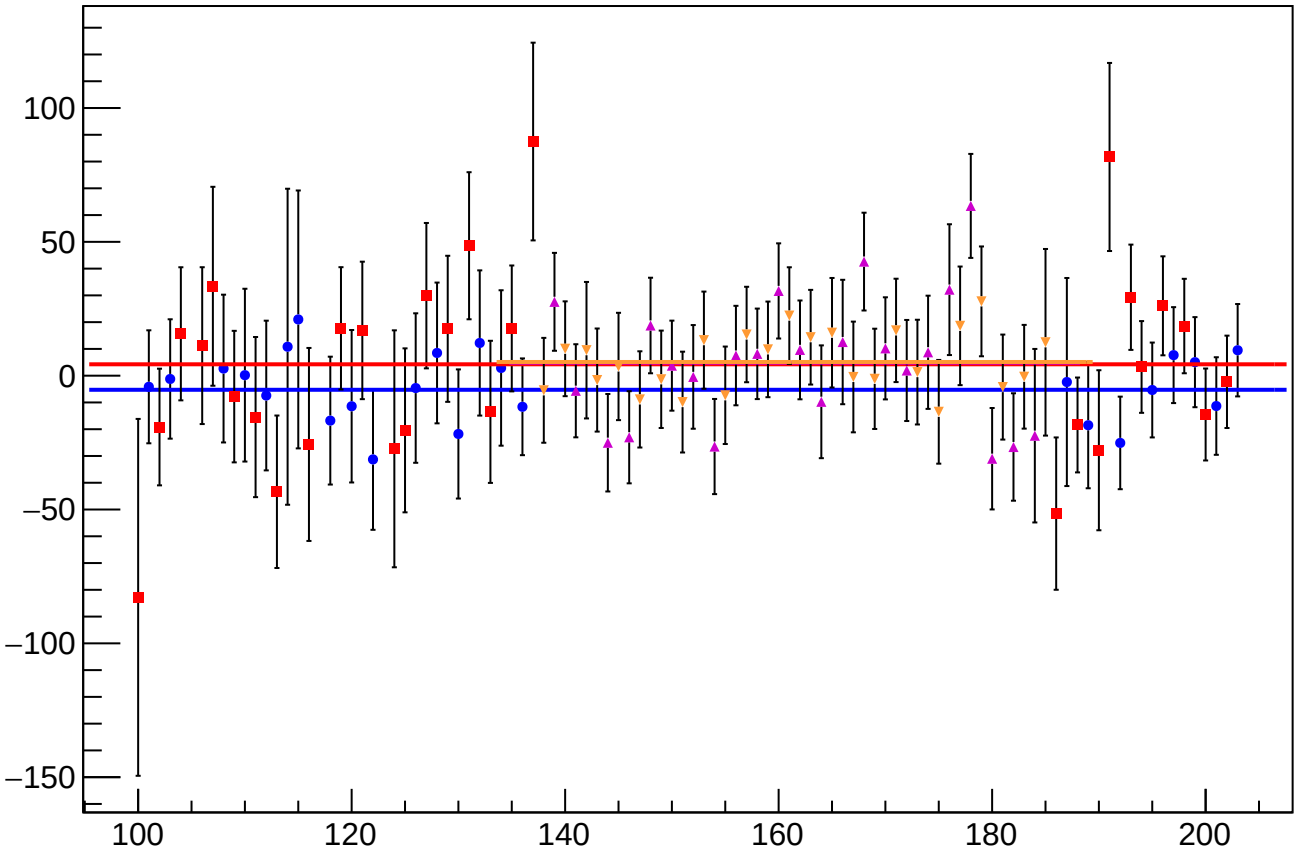
Left: 188.220+/-0.023 χ^2/NDF: 3565525.8/47

Right: 173.465+/-0.025 χ^2/NDF: 5128962.9/52

In: 177.476+/-0.023 χ^2/NDF:3850307.1/46

Out: 185.706+/-0.024 χ^2/NDF:4976931.0/53

All: 181.532+/-0.017 χ^2/NDF: 8887930.8/100



Right In: -5.269+/-4.713 χ^2/NDF: 6.5/23

Left Out: 5.119+/-3.890 χ^2/NDF:7.9/24

Right Out: 4.254+/-4.526 χ^2/NDF: 35.7/28

Left In: 4.858+/-3.980 χ^2/NDF:35.5/22

Left: 4.992+/-2.782 χ^2/NDF: 43.4/47

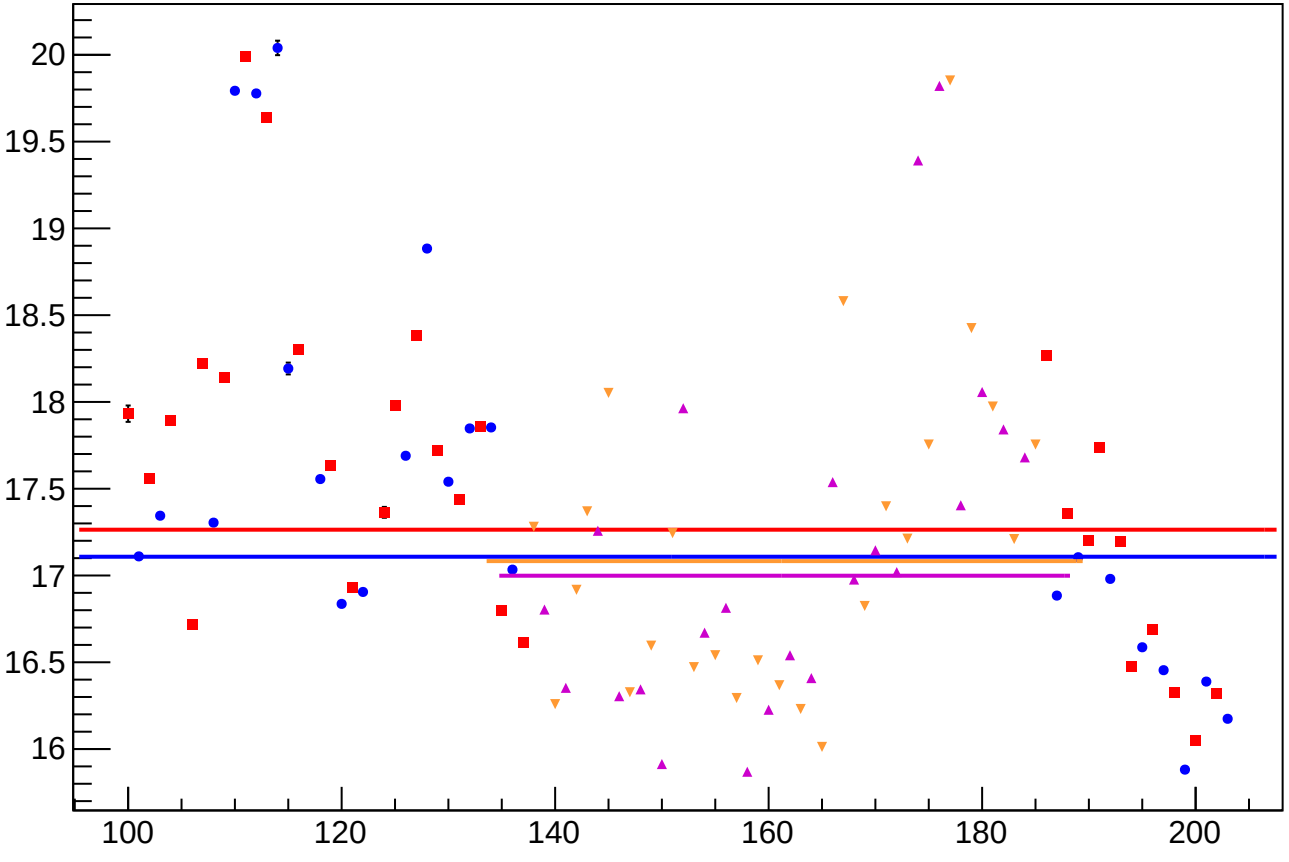
Right: -0.314+/-3.264 χ^2/NDF: 44.4/52

In: 0.642+/-3.041 χ^2/NDF:44.7/46

Out: 4.751+/-2.950 χ^2/NDF:43.7/53

All: 2.759+/-2.117 χ^2/NDF: 89.3/100

asym_bcm_dg_ds_bcm_an_ds_agg_dd_rms vs Slug, Sign Corrected



Right In: 17.108+/-0.003 χ^2/NDF: 76971.1/23

Left Out: 17.083+/-0.003 χ^2/NDF:96774.9/24

Right Out: 17.264+/-0.003 χ^2/NDF: 77676.7/28

Left In: 16.999+/-0.003 χ^2/NDF:104021.0/22

Left: 17.042+/-0.002 χ^2/NDF: 201253.4/47

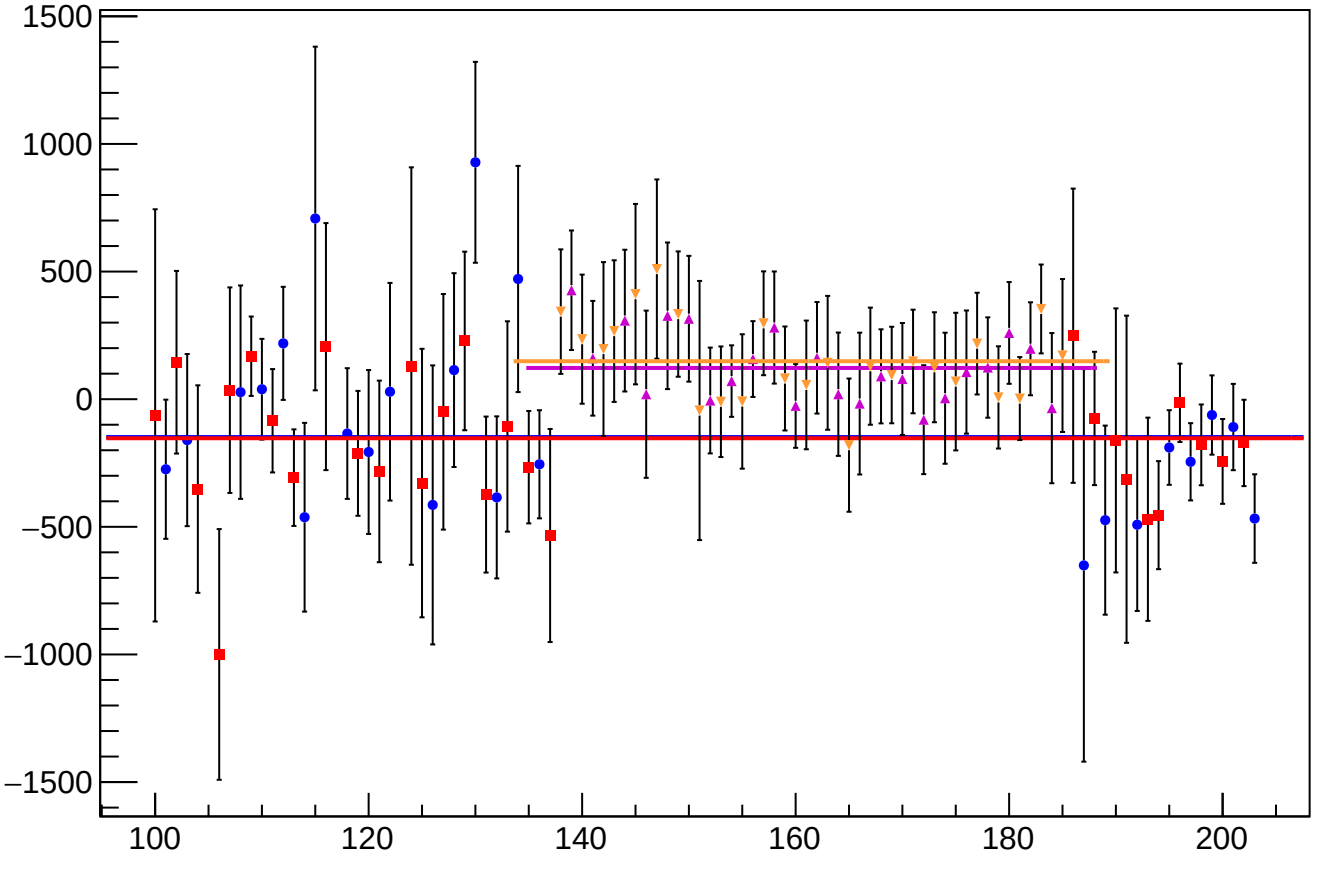
Right: 17.189+/-0.002 χ^2/NDF: 155784.3/52

In: 17.044+/-0.002 χ^2/NDF:181621.1/46

Out: 17.160+/-0.002 χ^2/NDF:176290.9/53

All: 17.104+/-0.001 χ^2/NDF: 359399.3/100

asym_bcm_dg_us_bcm_an_us_agg_avg_mean vs Slug, Sign Corrected



Right In: -148.374+/-50.899 χ^2/NDF: 24.0/23

Left Out: 148.758+/-46.714 χ^2/NDF:9.5/24

Right Out: -152.974+/-49.065 χ^2/NDF: 17.5/28

Left In: 122.376+/-44.081 χ^2/NDF:7.9/22

Left: 134.803+/-32.060 χ^2/NDF: 17.6/47

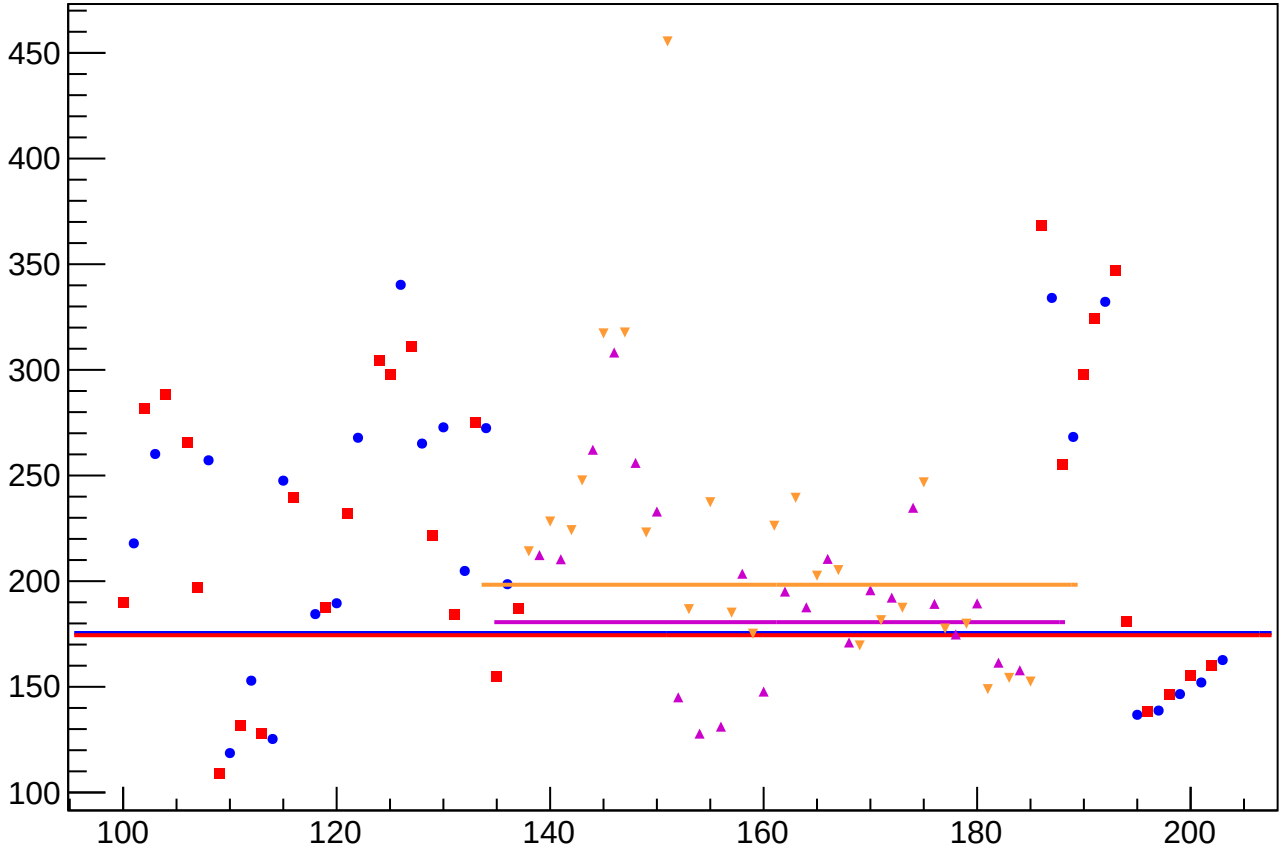
Right: -150.758+/-35.325 χ^2/NDF: 41.5/52

In: 6.336+/-33.322 χ^2/NDF:48.1/46

Out: 5.294+/-33.832 χ^2/NDF:46.9/53

All: 5.823+/-23.740 χ^2/NDF: 94.9/100

asym_bcm_dg_us_bcm_an_us_agg_avg_rms vs Slug, Sign Corrected



Right In: 175.467+/-0.036 χ^2/NDF: 2167687.6/23

Left Out: 198.313+/-0.033 χ^2/NDF:1790279.4/24

Right Out: 174.421+/-0.035 χ^2/NDF: 2823006.1/28

Left In: 180.601+/-0.031 χ^2/NDF:1628072.3/22

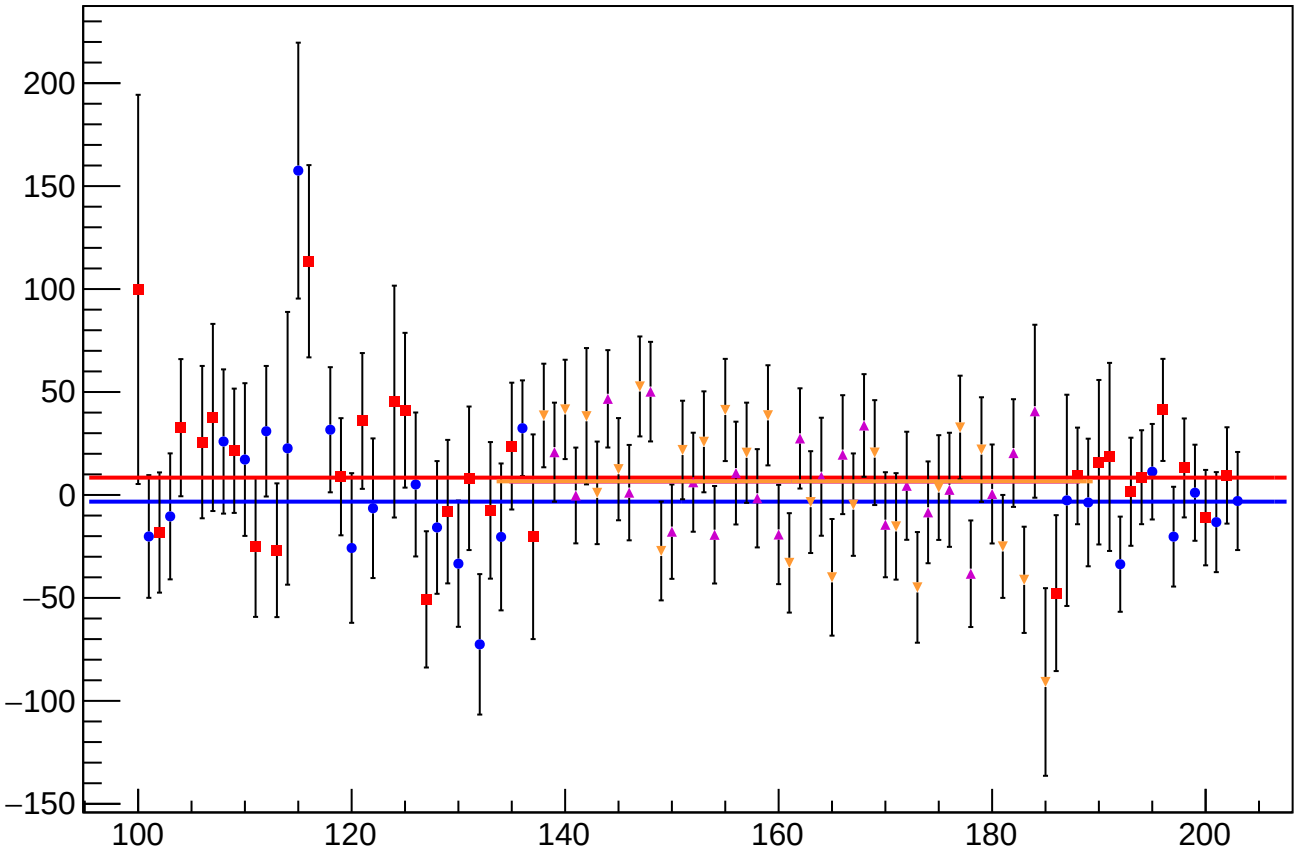
Left: 188.944+/-0.023 χ^2/NDF: 3570441.0/47

Right: 174.925+/-0.025 χ^2/NDF: 4991131.7/52

In: 178.401+/-0.024 χ^2/NDF:3807389.1/46

Out: 186.953+/-0.024 χ^2/NDF:4862044.6/53

All: 182.612+/-0.017 χ^2/NDF: 8734305.7/100



Right In: -3.245+/-6.152 χ^2/NDF: 21.8/23

Left Out: 6.611+/-5.117 χ^2/NDF:36.9/24

Right Out: 8.422+/-5.880 χ^2/NDF: 21.3/28

Left In: 6.482+/-5.247 χ^2/NDF:17.4/22

Left: 6.548+/-3.663 χ^2/NDF: 54.3/47

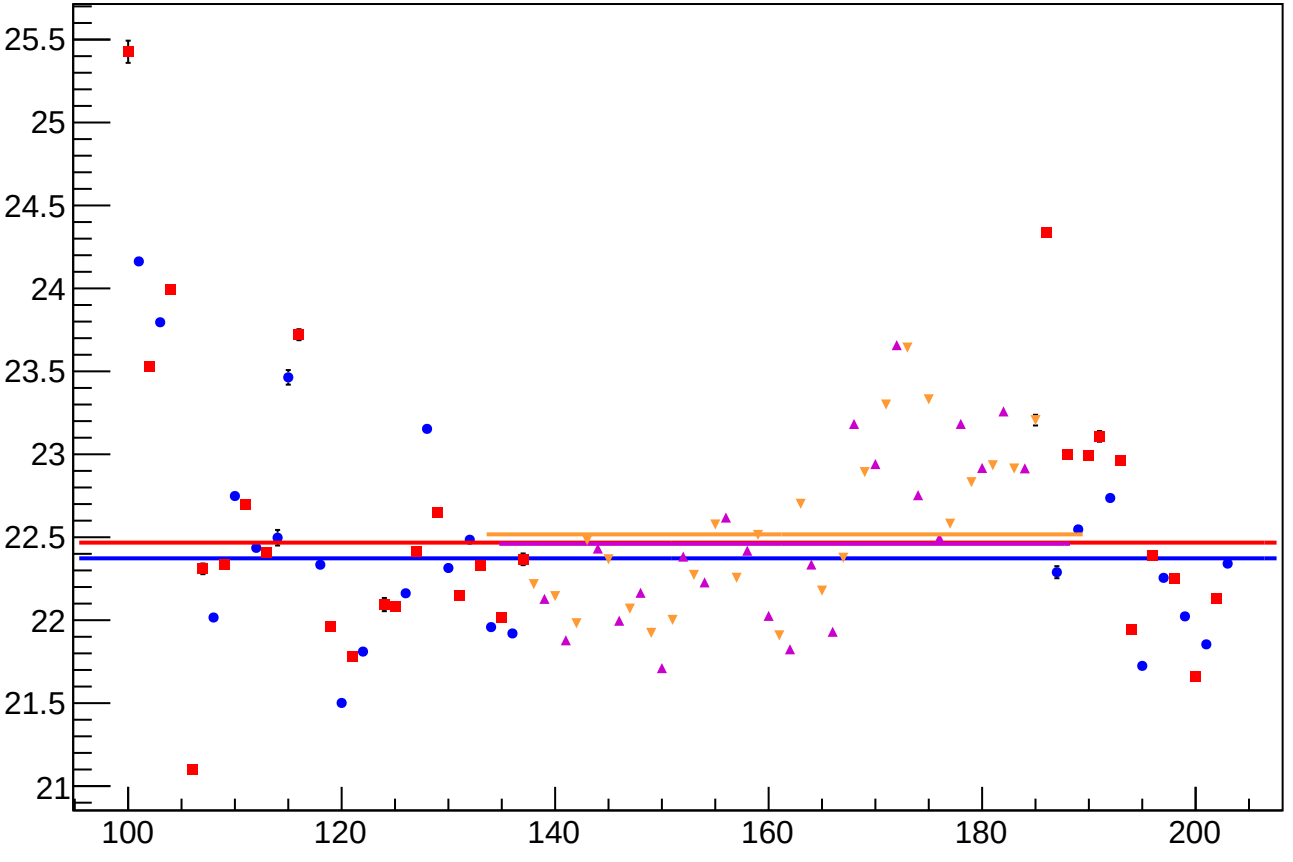
Right: 2.852+/-4.251 χ^2/NDF: 45.0/52

In: 2.386+/-3.992 χ^2/NDF:40.7/46

Out: 7.391+/-3.860 χ^2/NDF:58.3/53

All: 4.973+/-2.775 χ^2/NDF: 99.8/100

asym_bcm_dg_us_bcm_an_us_agg_dd_rms vs Slug, Sign Corrected



Right In: 22.373+/-0.004 χ^2/NDF: 20132.5/23

Left Out: 22.517+/-0.004 χ^2/NDF:16002.5/24

Right Out: 22.468+/-0.004 χ^2/NDF: 27075.1/28

Left In: 22.460+/-0.004 χ^2/NDF:19117.2/22

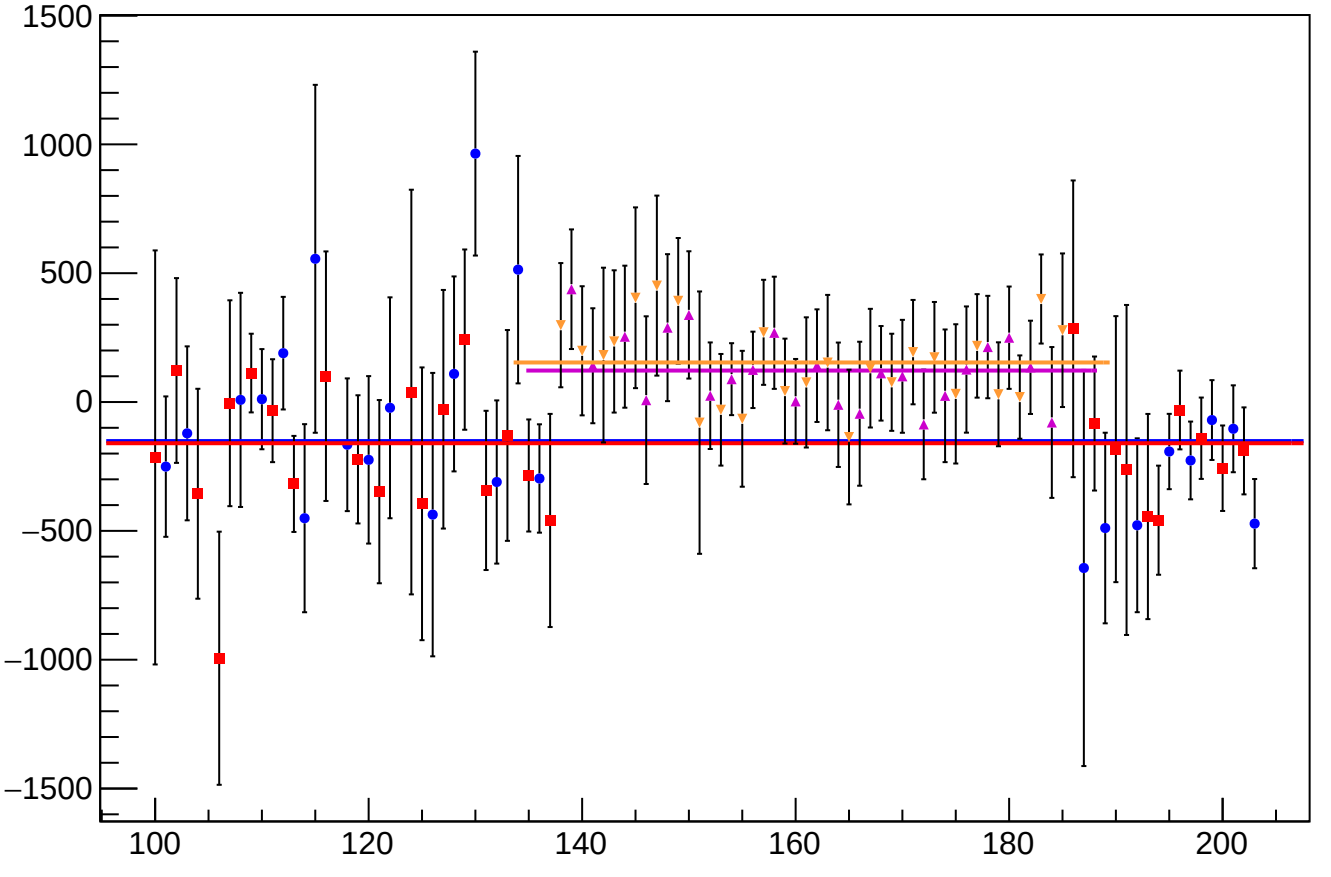
Left: 22.490+/-0.003 χ^2/NDF: 35241.4/47

Right: 22.422+/-0.003 χ^2/NDF: 47455.4/52

In: 22.423+/-0.003 χ^2/NDF:39483.0/46

Out: 22.496+/-0.003 χ^2/NDF:43159.2/53

All: 22.461+/-0.002 χ^2/NDF: 82983.1/100



Right In: -151.570+/-50.750 χ^2/NDF: 23.3/23

Left Out: 153.507+/-46.636 χ^2/NDF:10.1/24

Right Out: -159.841+/-48.833 χ^2/NDF: 16.0/28

Left In: 122.165+/-44.006 χ^2/NDF:7.5/22

Left: 136.928+/-32.006 χ^2/NDF: 17.8/47

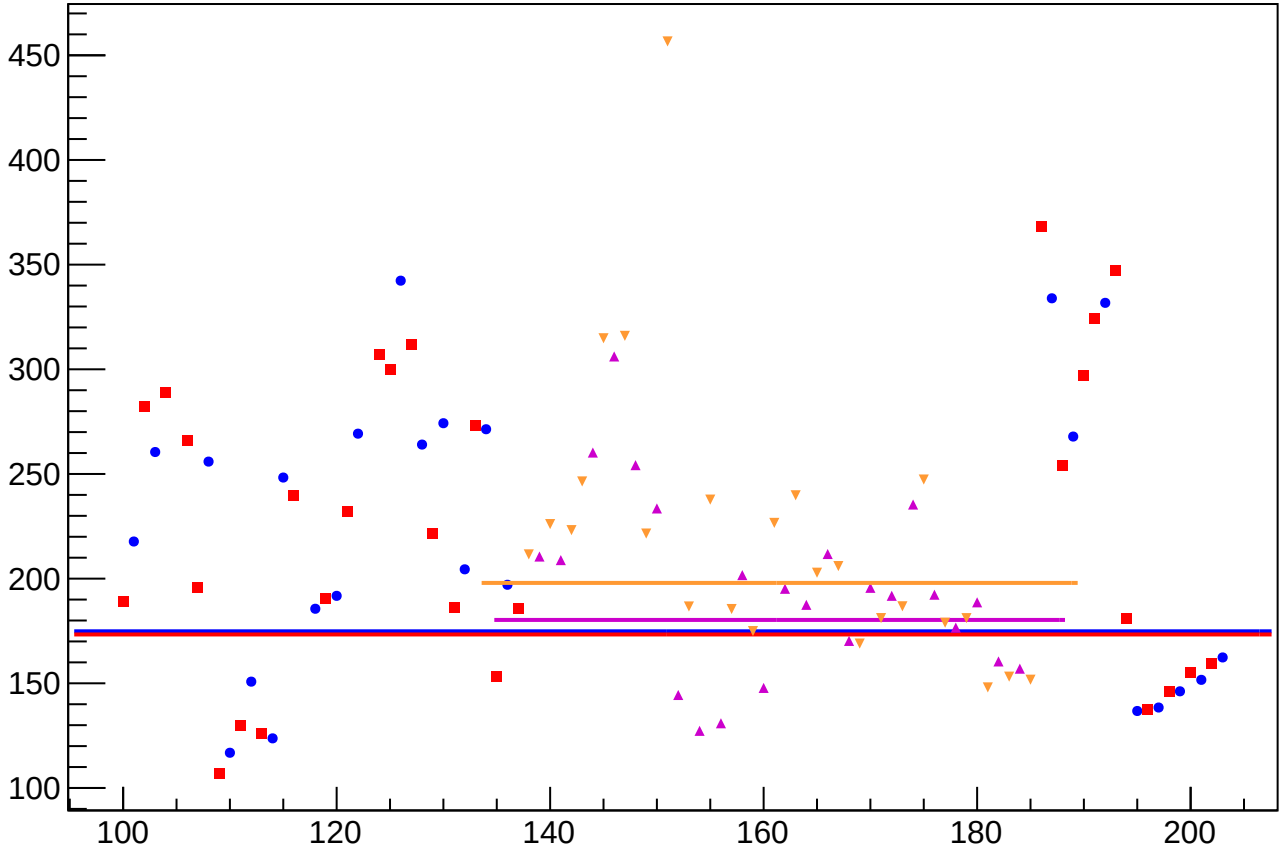
Right: -155.865+/-35.188 χ^2/NDF: 39.4/52

In: 4.681+/-33.248 χ^2/NDF:47.4/46

Out: 4.040+/-33.726 χ^2/NDF:47.6/53

All: 4.365+/-23.677 χ^2/NDF: 95.0/100

asym_bcm_dg_ds_bcm_an_us_agg_avg_rms vs Slug, Sign Corrected



Right In: 174.839+/-0.036 χ^2/NDF: 2197765.7/23

Left Out: 197.957+/-0.033 χ^2/NDF:1791354.6/24

Right Out: 173.333+/-0.035 χ^2/NDF: 2897874.9/28

Left In: 180.274+/-0.031 χ^2/NDF:1624682.7/22

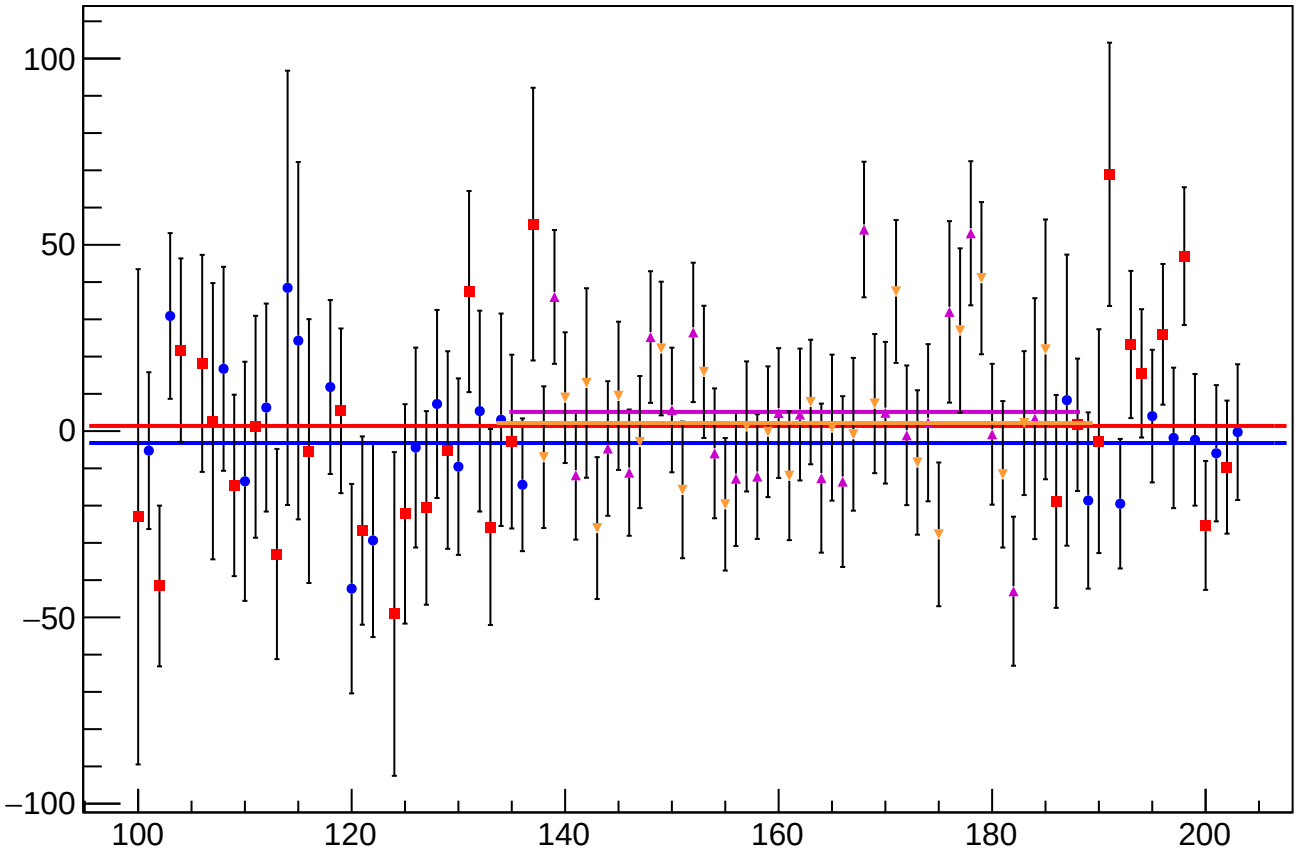
Left: 188.603+/-0.023 χ^2/NDF: 3568141.6/47

Right: 174.057+/-0.025 χ^2/NDF: 5096555.3/52

In: 177.942+/-0.024 χ^2/NDF:3835543.2/46

Out: 186.211+/-0.024 χ^2/NDF:4955201.6/53

All: 182.017+/-0.017 χ^2/NDF: 8851729.2/100



Right In: -3.191+/-4.735 χ^2/NDF: 9.7/23

Left Out: 2.174+/-3.825 χ^2/NDF:20.0/24

Right Out: 1.386+/-4.525 χ^2/NDF: 32.8/28

Left In: 5.150+/-3.924 χ^2/NDF:32.3/22

Left: 3.624+/-2.739 χ^2/NDF: 52.5/47

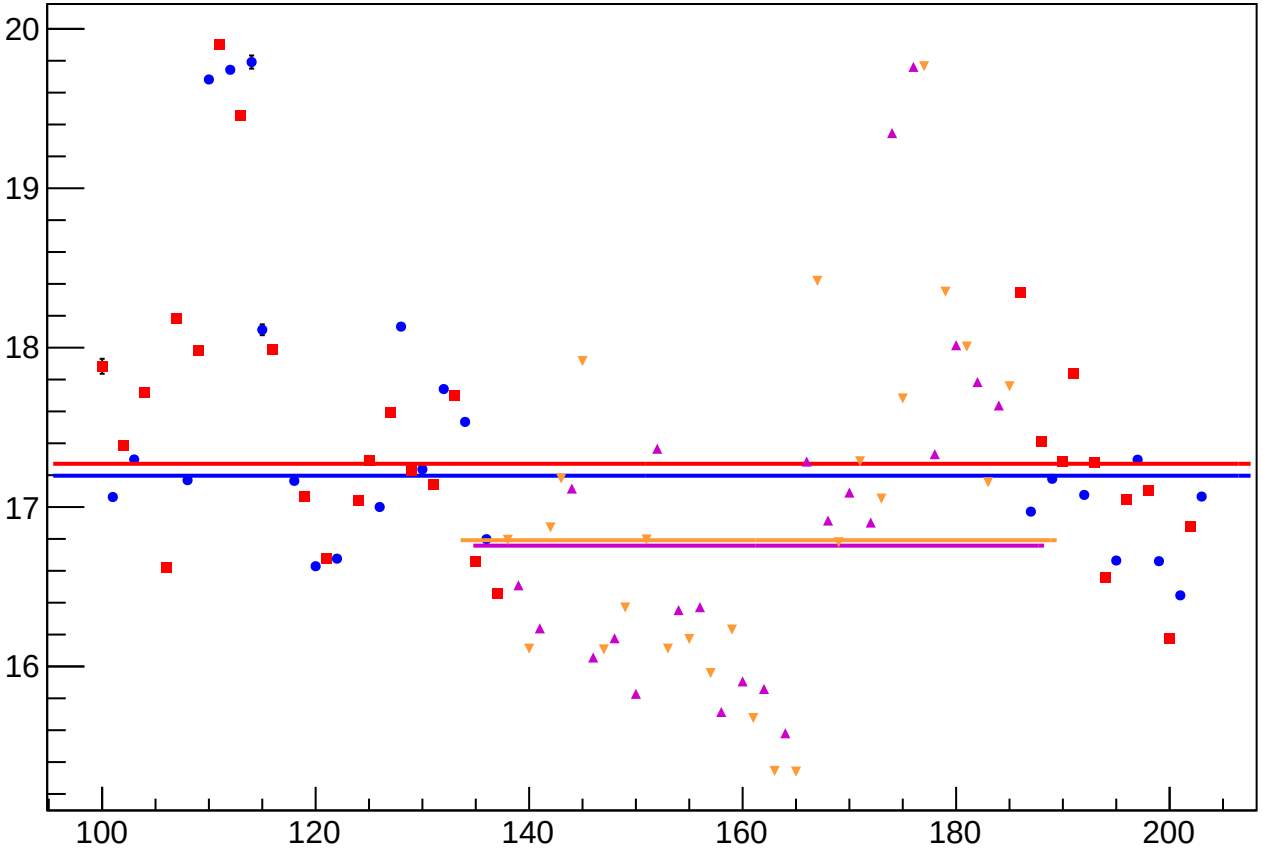
Right: -0.799+/-3.271 χ^2/NDF: 43.0/52

In: 1.754+/-3.021 χ^2/NDF:43.8/46

Out: 1.845+/-2.921 χ^2/NDF:52.8/53

All: 1.801+/-2.100 χ^2/NDF: 96.6/100

asym_bcm_dg_ds_bcm_an_us_agg_dd_rms vs Slug, Sign Corrected



Right In: 17.197+/-0.003 χ^2/NDF: 47363.8/23

Left Out: 16.792+/-0.003 χ^2/NDF:137000.5/24

Right Out: 17.271+/-0.003 χ^2/NDF: 54213.5/28

Left In: 16.758+/-0.003 χ^2/NDF:123306.8/22

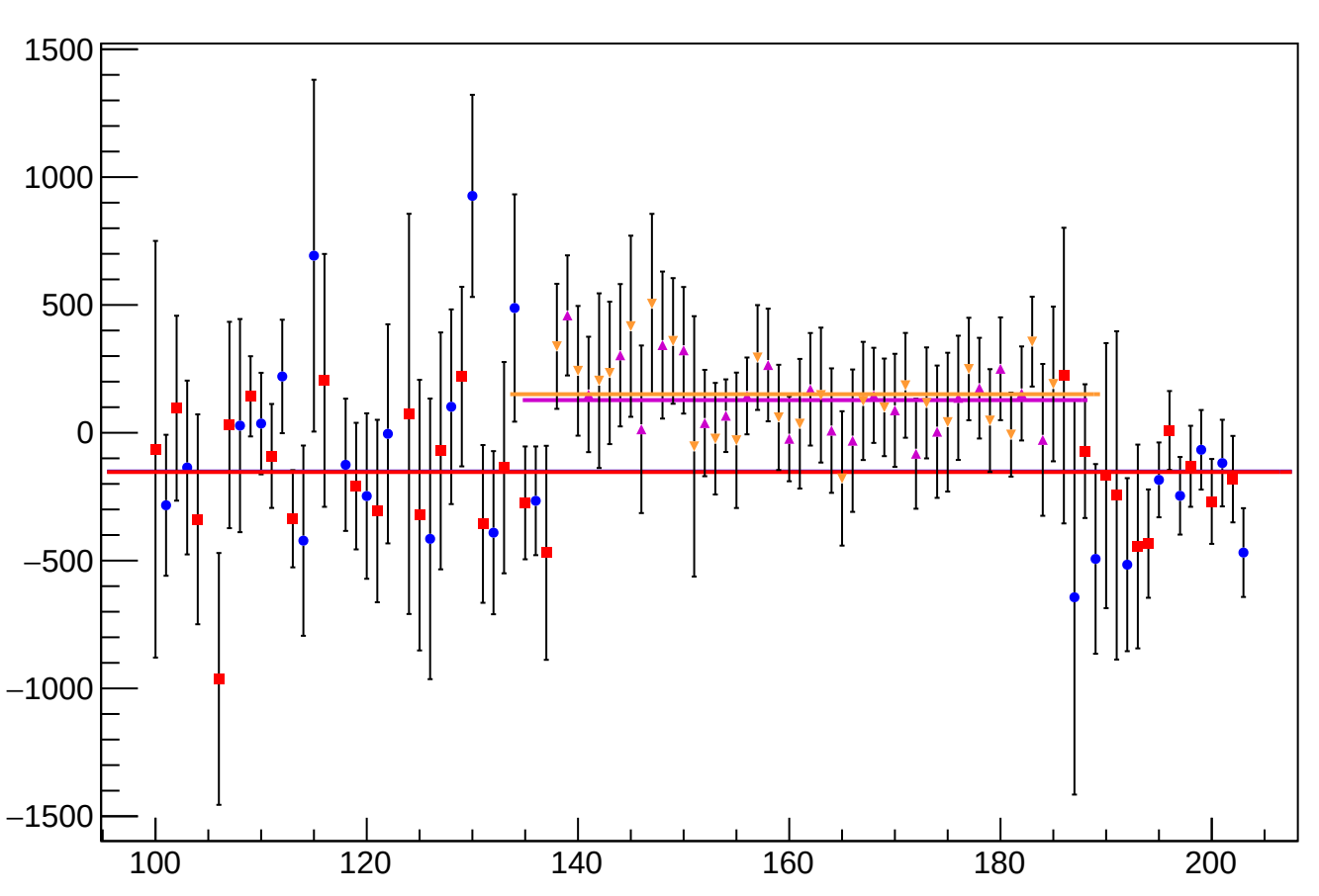
Left: 16.775+/-0.002 χ^2/NDF: 260385.1/47

Right: 17.236+/-0.002 χ^2/NDF: 101838.1/52

In: 16.936+/-0.002 χ^2/NDF:180856.4/46

Out: 16.992+/-0.002 χ^2/NDF:204309.1/53

All: 16.965+/-0.001 χ^2/NDF: 385511.6/100



Right In: -151.619+/-51.085 χ^2/NDF: 23.9/23

Left Out: 150.884+/-47.035 χ^2/NDF:10.0/24

Right Out: -153.488+/-49.260 χ^2/NDF: 16.1/28

Left In: 127.710+/-44.426 χ^2/NDF:7.8/22

Left: 138.637+/-32.297 χ^2/NDF: 17.9/47

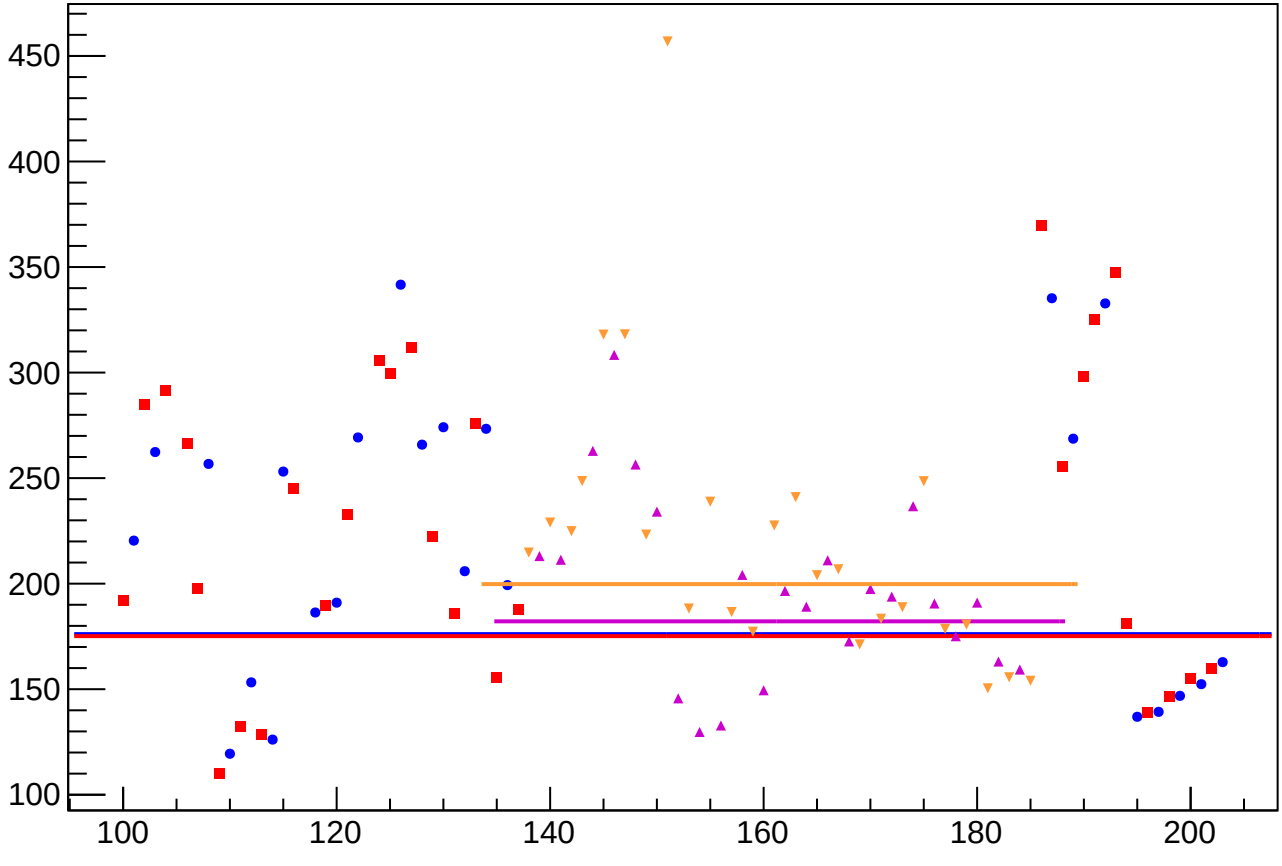
Right: -152.587+/-35.460 χ^2/NDF: 40.0/52

In: 7.425+/-33.523 χ^2/NDF:48.8/46

Out: 5.728+/-34.018 χ^2/NDF:46.0/53

All: 6.589+/-23.877 χ^2/NDF: 94.8/100

asym_bcm_dg_us_bcm_dg_ds_agg_avg_rms vs Slug, Sign Corrected



Right In: 176.092+/-0.036 χ^2/NDF: 2176141.6/23

Left Out: 199.785+/-0.033 χ^2/NDF:1760326.2/24

Right Out: 175.144+/-0.035 χ^2/NDF: 2824654.5/28

Left In: 182.150+/-0.031 χ^2/NDF:1584358.1/22

Left: 190.465+/-0.023 χ^2/NDF: 3493266.0/47

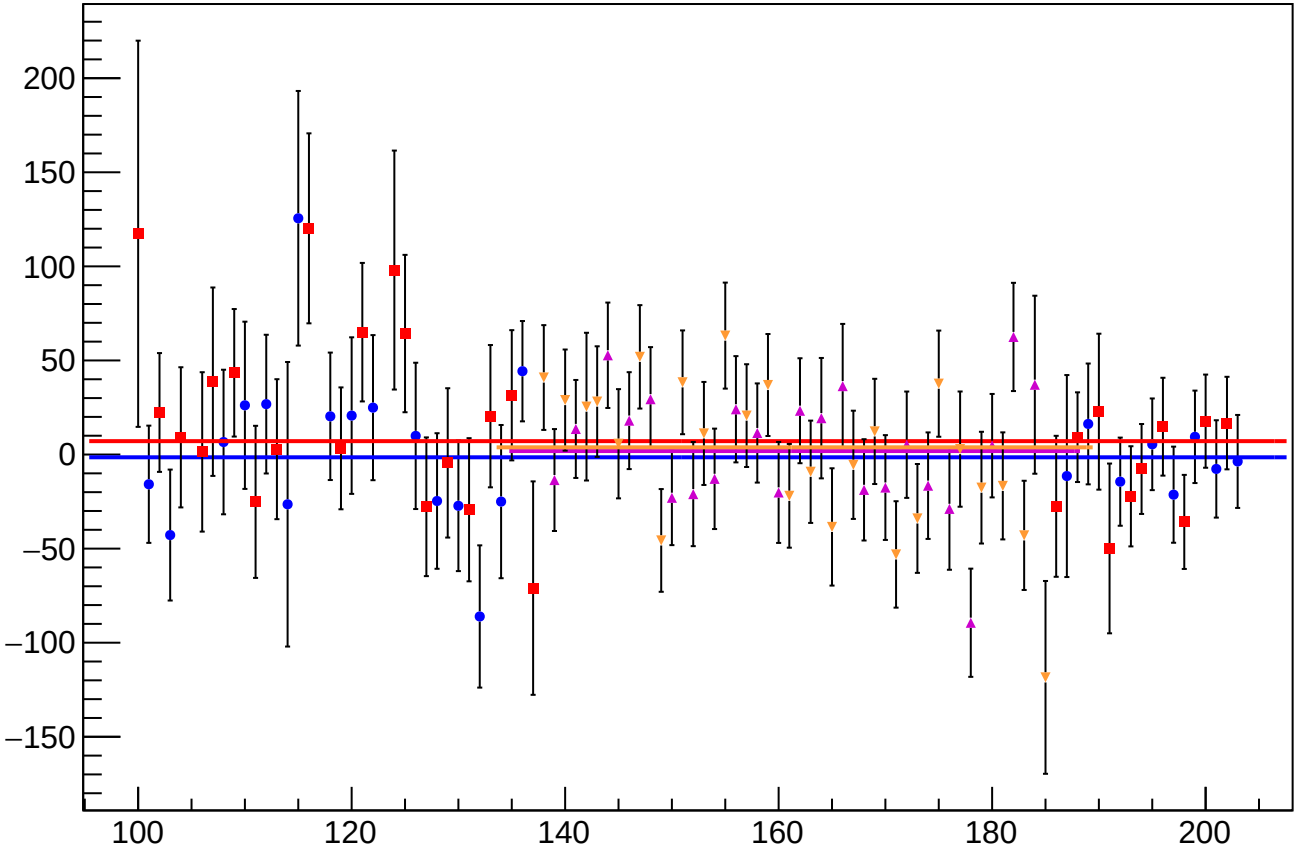
Right: 175.601+/-0.025 χ^2/NDF: 5001153.1/52

In: 179.541+/-0.024 χ^2/NDF:3776514.7/46

Out: 188.033+/-0.024 χ^2/NDF:4846758.5/53

All: 183.725+/-0.017 χ^2/NDF: 8686503.7/100

asym_bcm_dg_us_bcm_dg_ds_agg_dd_mean vs Slug, Sign Corrected



Right In: -1.469+/-6.680 χ^2/NDF: 18.4/23

Left Out: 3.831+/-5.789 χ^2/NDF:37.6/24

Right Out: 7.115+/-6.341 χ^2/NDF: 27.0/28

Left In: 1.850+/-5.893 χ^2/NDF:28.1/22

Left: 2.858+/-4.130 χ^2/NDF: 65.7/47

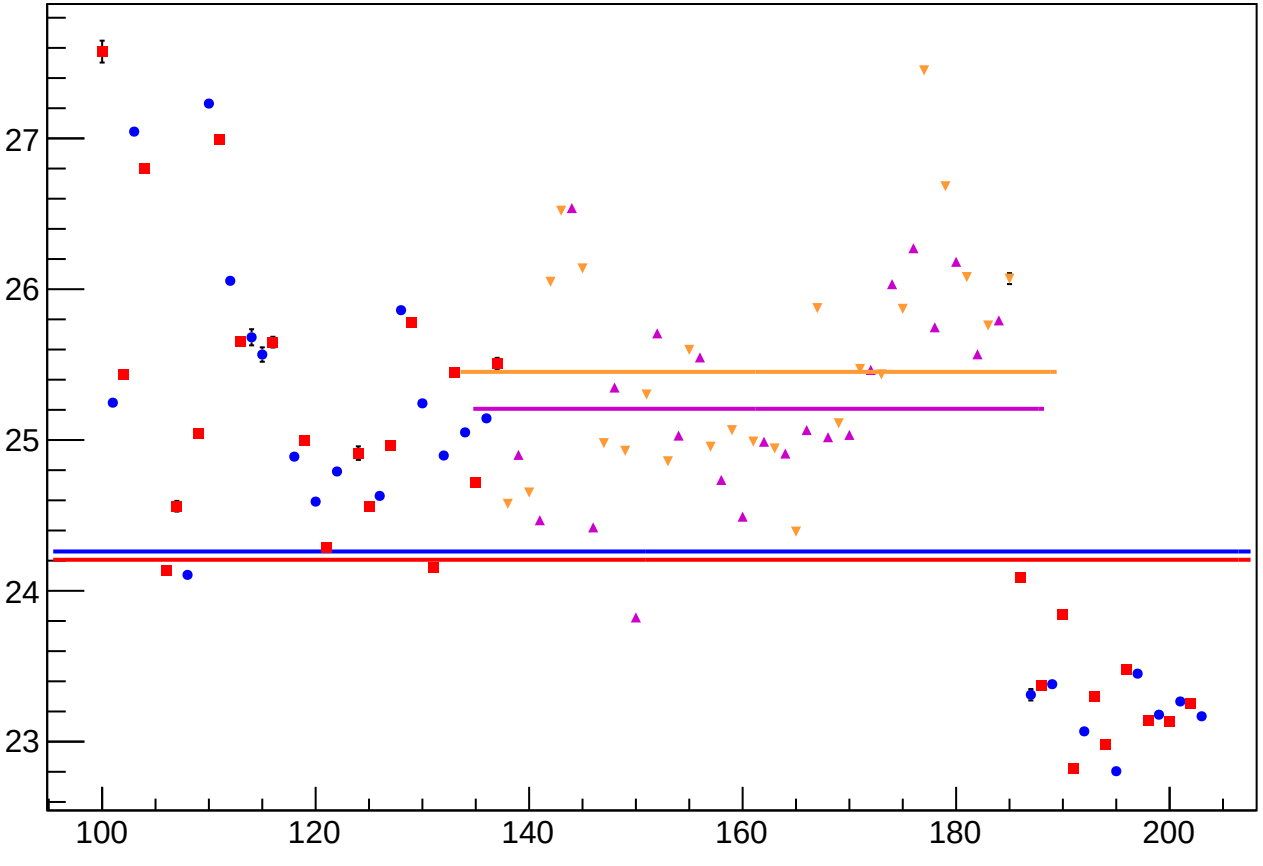
Right: 3.046+/-4.599 χ^2/NDF: 46.3/52

In: 0.397+/-4.419 χ^2/NDF:46.6/46

Out: 5.324+/-4.275 χ^2/NDF:64.8/53

All: 2.942+/-3.073 χ^2/NDF: 112.0/100

asym_bcm_dg_us_bcm_dg_ds_agg_dd_rms vs Slug, Sign Corrected



Right In: 24.261+/-0.005 χ^2/NDF: 67639.6/23

Left Out: 25.452+/-0.004 χ^2/NDF:29612.4/24

Right Out: 24.206+/-0.004 χ^2/NDF: 63647.7/28

Left In: 25.207+/-0.004 χ^2/NDF:25827.4/22

Left: 25.332+/-0.003 χ^2/NDF: 57199.0/47

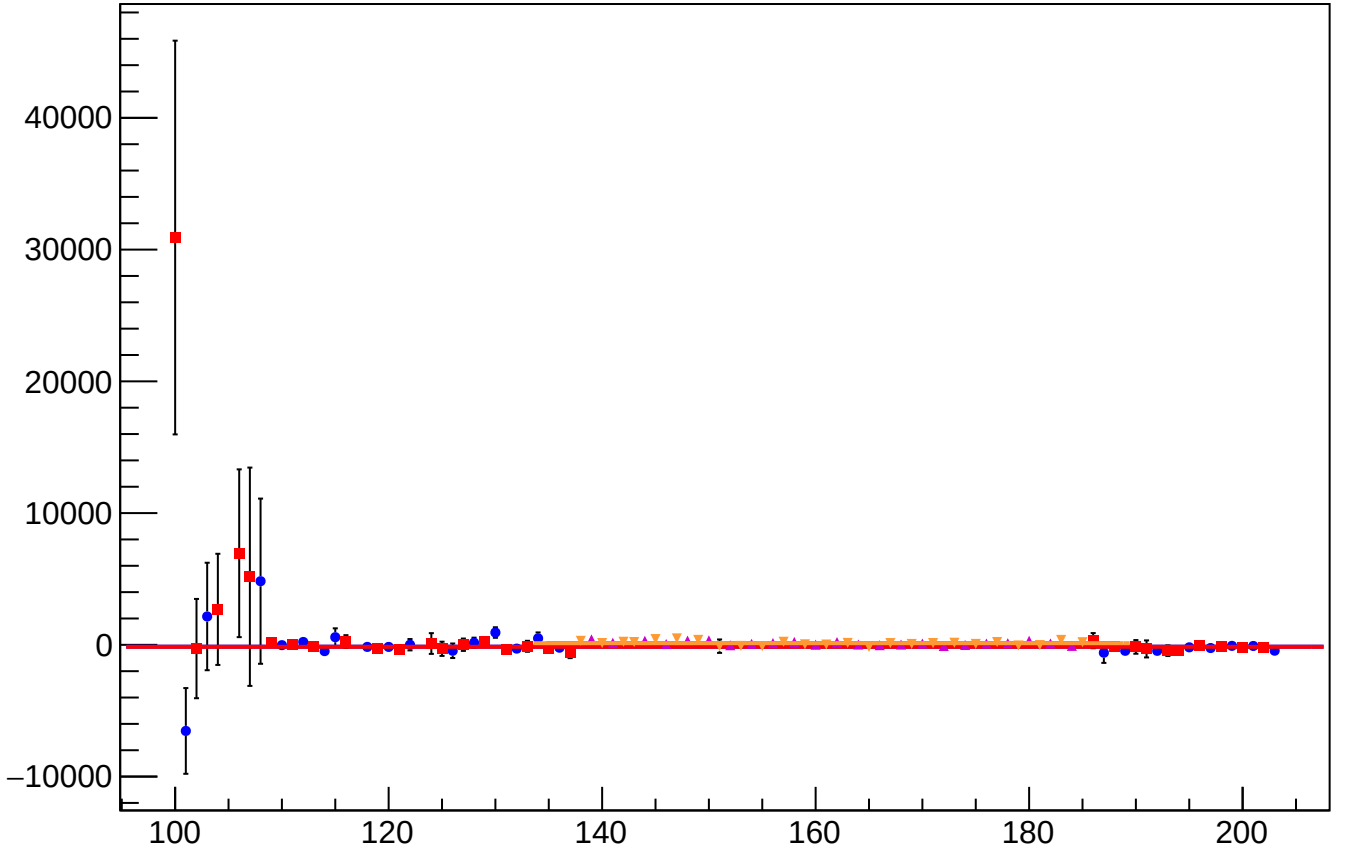
Right: 24.232+/-0.003 χ^2/NDF: 131358.6/52

In: 24.793+/-0.003 χ^2/NDF:116024.0/46

Out: 24.885+/-0.003 χ^2/NDF:135375.5/53

All: 24.841+/-0.002 χ^2/NDF: 251854.3/100

asym_bcm_cav4cQ_bcm_an_us_agg_avg_mean vs Slug, Sign Corrected



Right In: -139.585+/-53.924 χ^2/NDF: 26.0/23

Left Out: 125.161+/-46.925 χ^2/NDF:11.1/24

Right Out: -149.662+/-52.724 χ^2/NDF: 18.0/28

Left In: 117.291+/-44.871 χ^2/NDF:8.0/22

Left: 121.050+/-32.431 χ^2/NDF: 19.1/47

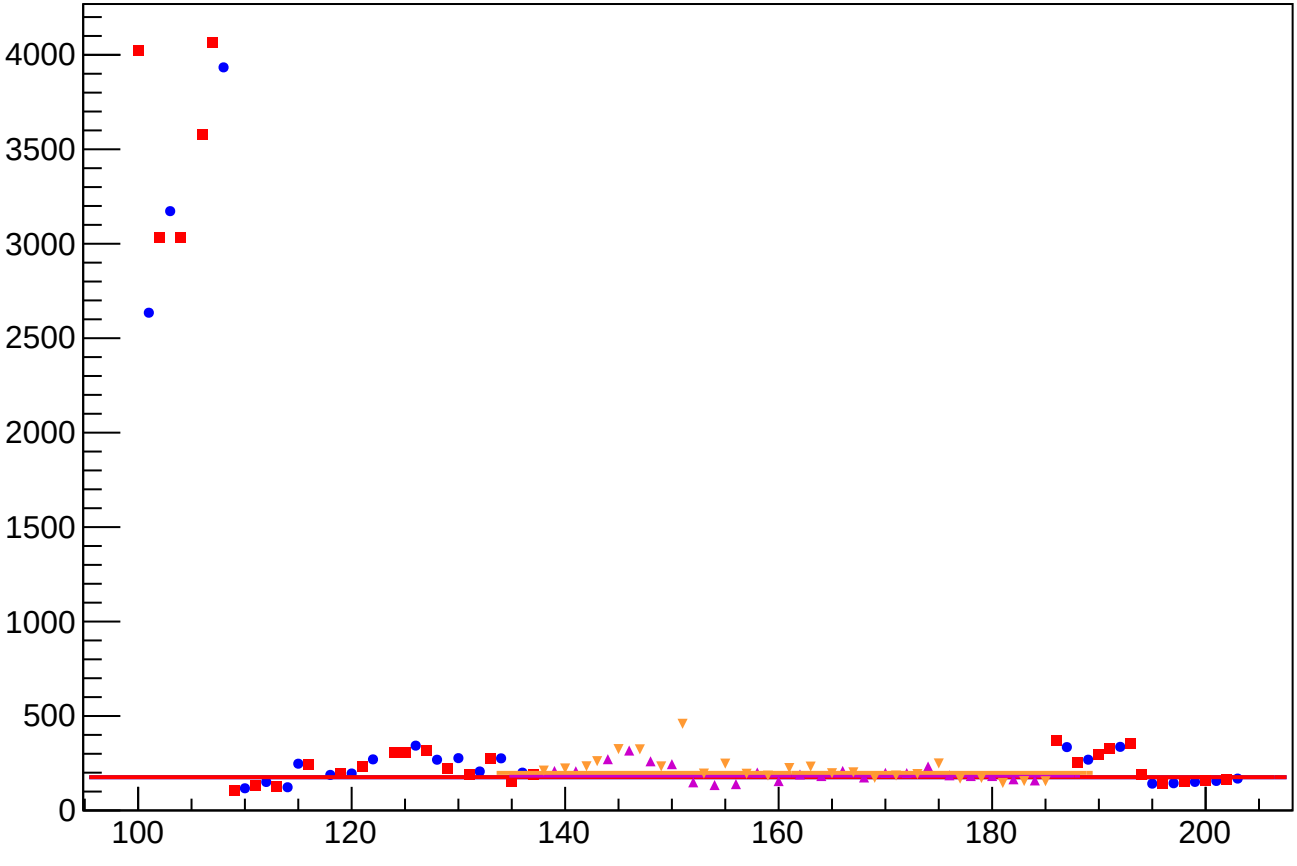
Right: -144.737+/-37.699 χ^2/NDF: 44.0/52

In: 12.195+/-34.492 χ^2/NDF:47.4/46

Out: 3.687+/-35.053 χ^2/NDF:44.2/53

All: 8.010+/-24.585 χ^2/NDF: 91.7/100

asym_bcm_cav4cQ_bcm_an_us_agg_avg_rms vs Slug, Sign Corrected



Right In: 175.650+/-0.038 χ^2/NDF: 4802403.8/23

Left Out: 198.994+/-0.033 χ^2/NDF:1902155.1/24

Right Out: 176.217+/-0.037 χ^2/NDF: 5481815.5/28

Left In: 184.399+/-0.032 χ^2/NDF:1446306.0/22

Left: 191.370+/-0.023 χ^2/NDF: 3449526.4/47

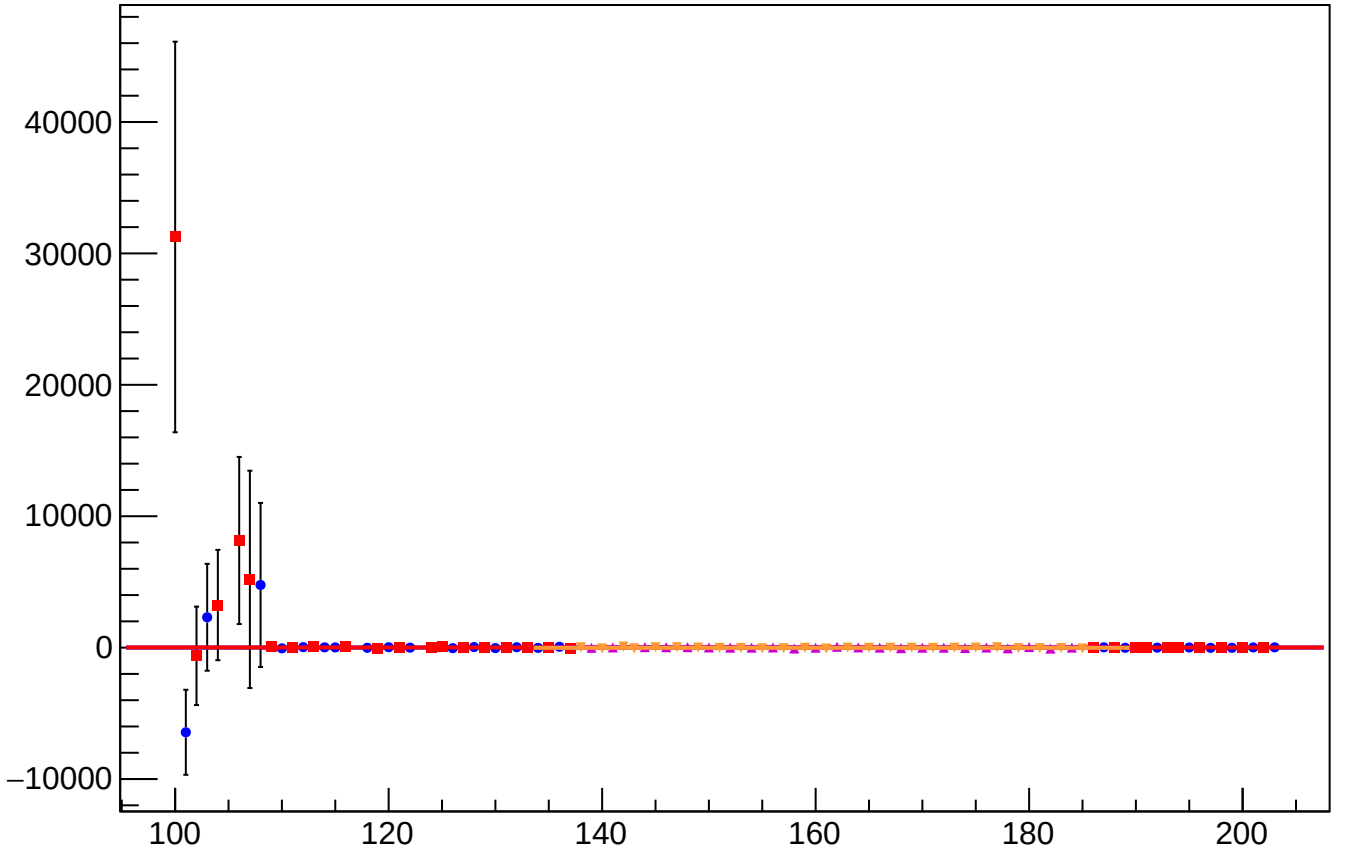
Right: 175.940+/-0.027 χ^2/NDF: 10284332.6/52

In: 180.819+/-0.024 χ^2/NDF:6279815.8/46

Out: 188.926+/-0.025 χ^2/NDF:7592234.3/53

All: 184.808+/-0.017 χ^2/NDF: 13926405.2/10

asym_bcm_cav4cQ_bcm_an_us_agg_dd_mean vs Slug, Sign Corrected



Right In: 5.749+/-8.097 χ^2/NDF: 17.7/23

Left Out: -14.827+/-6.512 χ^2/NDF:22.2/24

Right Out: 12.652+/-7.794 χ^2/NDF: 29.4/28

Left In: 2.172+/-6.703 χ^2/NDF:28.3/22

Left: -6.574+/-4.671 χ^2/NDF: 53.9/47

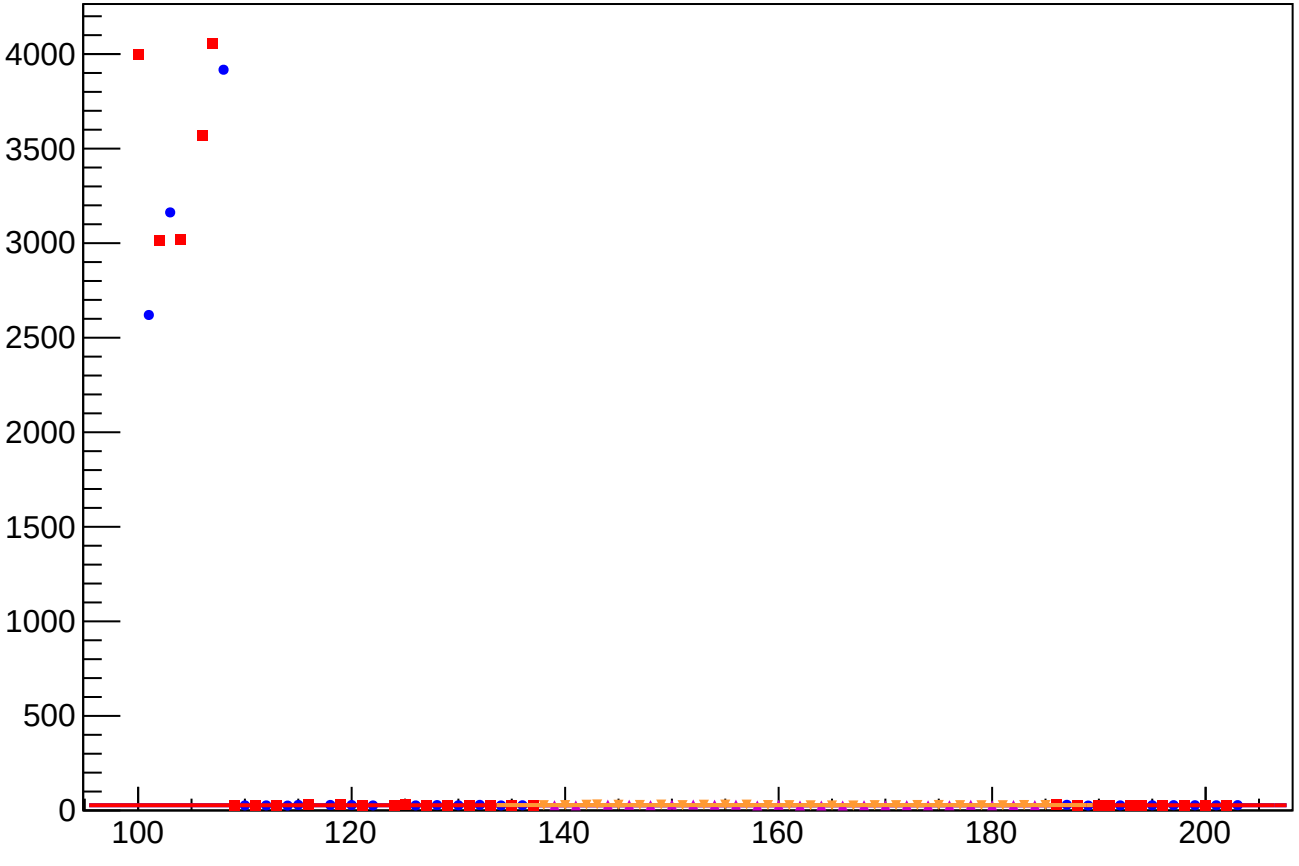
Right: 9.333+/-5.615 χ^2/NDF: 47.5/52

In: 3.627+/-5.164 χ^2/NDF:46.1/46

Out: -3.531+/-4.997 χ^2/NDF:59.0/53

All: -0.069+/-3.591 χ^2/NDF: 106.1/100

asym_bcm_cav4cQ_bcm_an_us_agg_dd_rms vs Slug, Sign Corrected



Right In: 27.546+/-0.006 χ^2/NDF: 3274427.7/23

Left Out: 28.586+/-0.005 χ^2/NDF:88130.9/24

Right Out: 27.542+/-0.006 χ^2/NDF: 3583356.5/28

Left In: 28.606+/-0.005 χ^2/NDF:122928.2/22

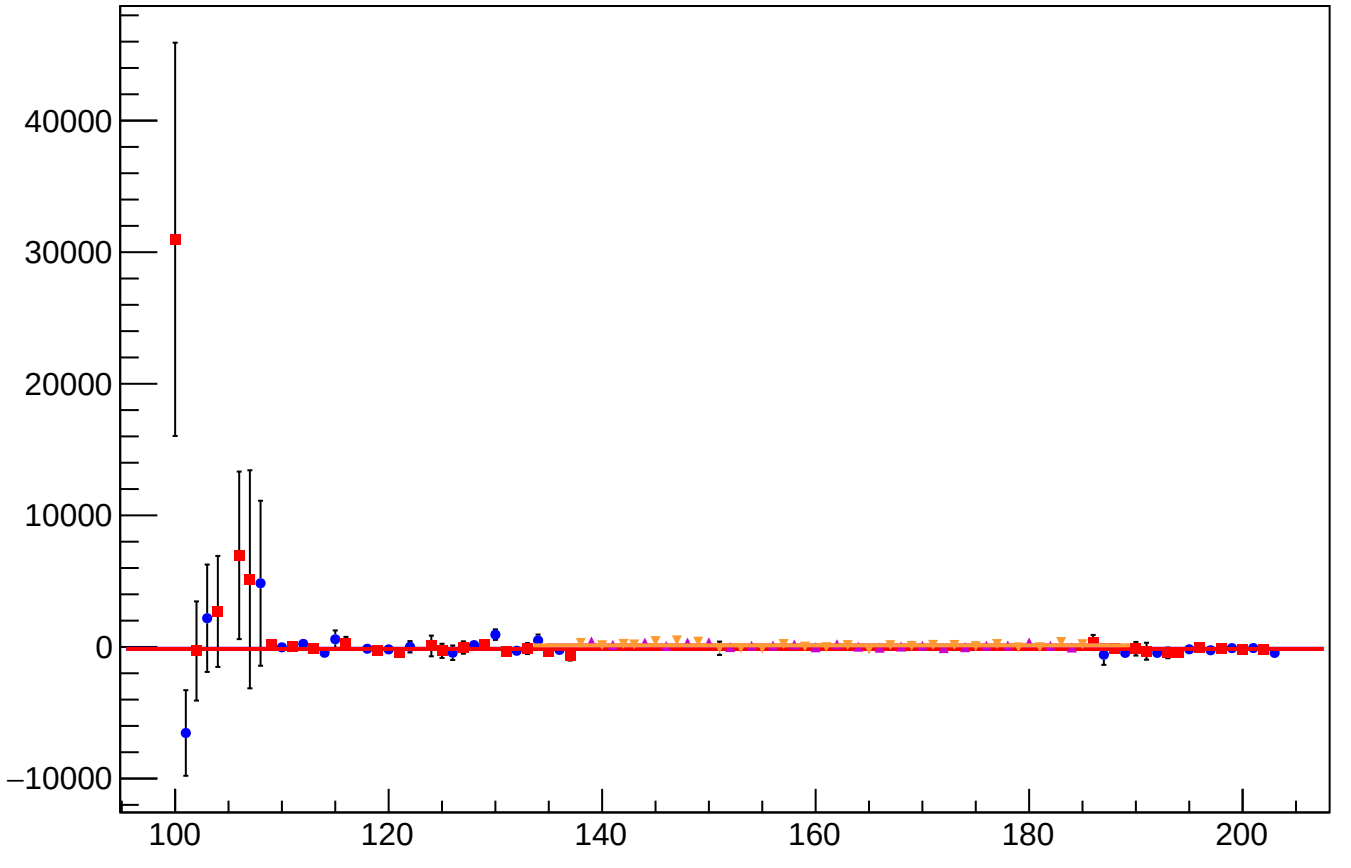
Left: 28.595+/-0.003 χ^2/NDF: 211068.4/47

Right: 27.544+/-0.004 χ^2/NDF: 6857784.5/52

In: 28.175+/-0.004 χ^2/NDF:3417678.9/46

Out: 28.157+/-0.004 χ^2/NDF:3692623.3/53

All: 28.165+/-0.003 χ^2/NDF: 7110315.4/100



Right In: -139.632+/-53.758 χ^2/NDF: 26.2/23

Left Out: 121.915+/-46.825 χ^2/NDF:12.0/24

Right Out: -150.556+/-52.580 χ^2/NDF: 18.3/28

Left In: 116.243+/-44.786 χ^2/NDF:8.4/22

Left: 118.953+/-32.365 χ^2/NDF: 20.4/47

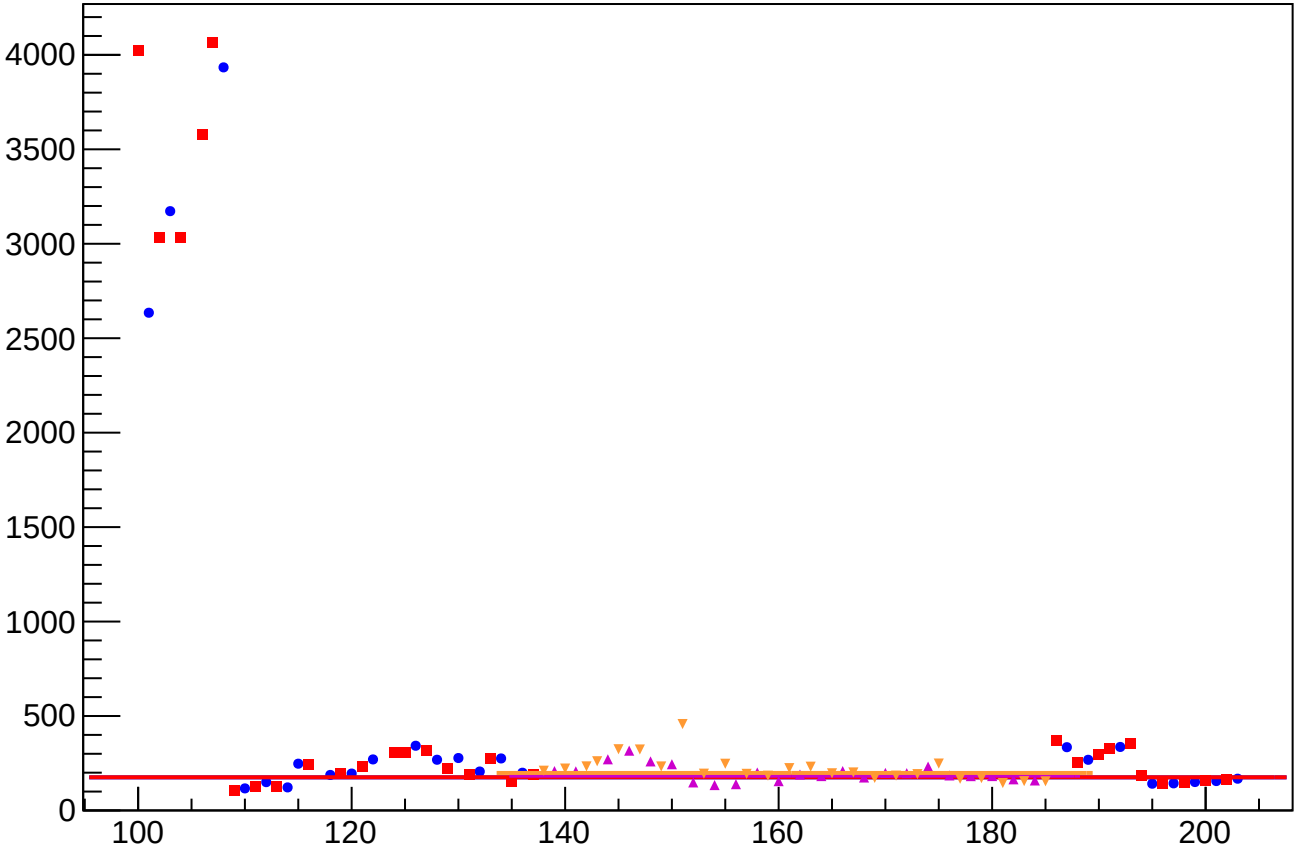
Right: -145.215+/-37.589 χ^2/NDF: 44.6/52

In: 11.411+/-34.410 χ^2/NDF:48.0/46

Out: 1.402+/-34.969 χ^2/NDF:45.3/53

All: 6.487+/-24.526 χ^2/NDF: 93.4/100

asym_bcm_cav4cQ_bcm_an_ds_agg_avg_rms vs Slug, Sign Corrected



Right In: 175.052+/-0.038 χ^2/NDF: 4816696.4/23

Left Out: 198.571+/-0.033 χ^2/NDF:1901504.1/24

Right Out: 175.668+/-0.037 χ^2/NDF: 5500120.1/28

Left In: 184.051+/-0.032 χ^2/NDF:1445426.0/22

Left: 190.988+/-0.023 χ^2/NDF: 3447360.1/47

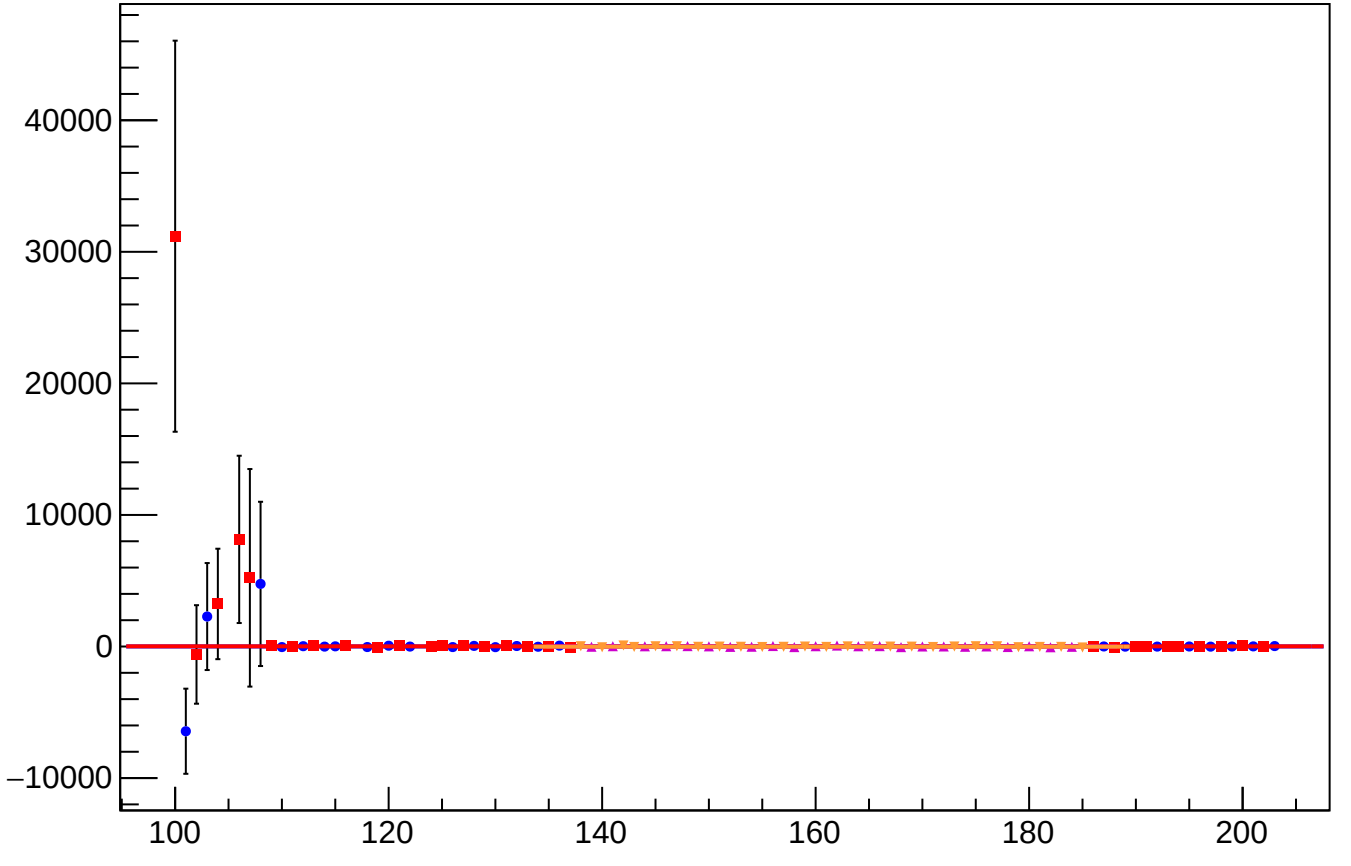
Right: 175.367+/-0.027 χ^2/NDF: 10316950.9/52

In: 180.364+/-0.024 χ^2/NDF:6295207.0/46

Out: 188.441+/-0.025 χ^2/NDF:7613244.4/53

All: 184.337+/-0.017 χ^2/NDF: 13962661.8/10

asym_bcm_cav4cQ_bcm_an_ds_agg_dd_mean vs Slug, Sign Corrected



Right In: 4.475+/-8.091 χ^2/NDF: 19.9/23

Left Out: -11.862+/-6.541 χ^2/NDF:17.9/24

Right Out: 14.661+/-7.795 χ^2/NDF: 28.6/28

Left In: 2.576+/-6.732 χ^2/NDF:22.2/22

Left: -4.851+/-4.691 χ^2/NDF: 42.4/47

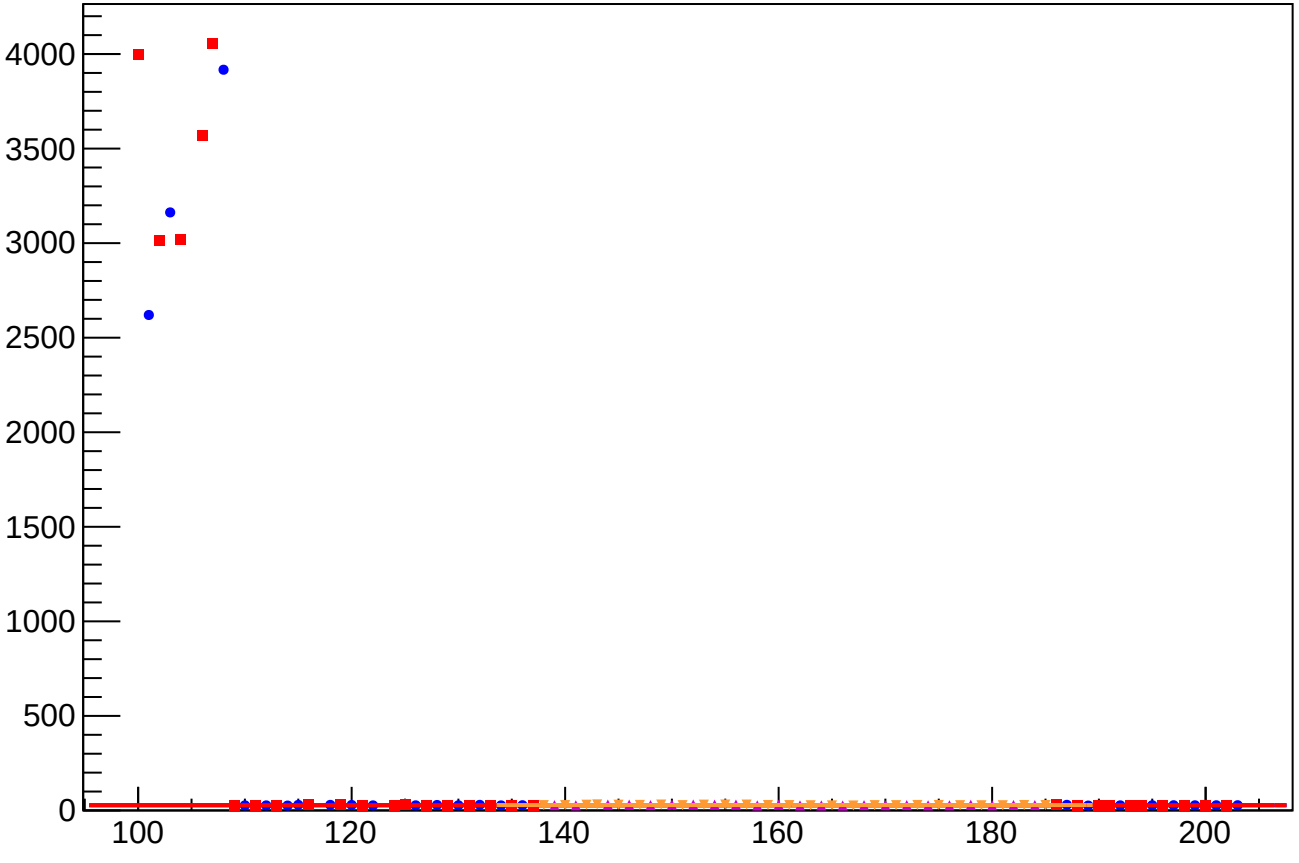
Right: 9.758+/-5.613 χ^2/NDF: 49.3/52

In: 3.353+/-5.175 χ^2/NDF:42.1/46

Out: -0.903+/-5.010 χ^2/NDF:53.3/53

All: 1.156+/-3.600 χ^2/NDF: 95.7/100

asym_bcm_cav4cQ_bcm_an_ds_agg_dd_rms vs Slug, Sign Corrected



Right In: 27.522+/-0.006 χ^2/NDF: 3275079.6/23

Left Out: 28.707+/-0.005 χ^2/NDF:98865.9/24

Right Out: 27.545+/-0.006 χ^2/NDF: 3581595.5/28

Left In: 28.728+/-0.005 χ^2/NDF:127383.0/22

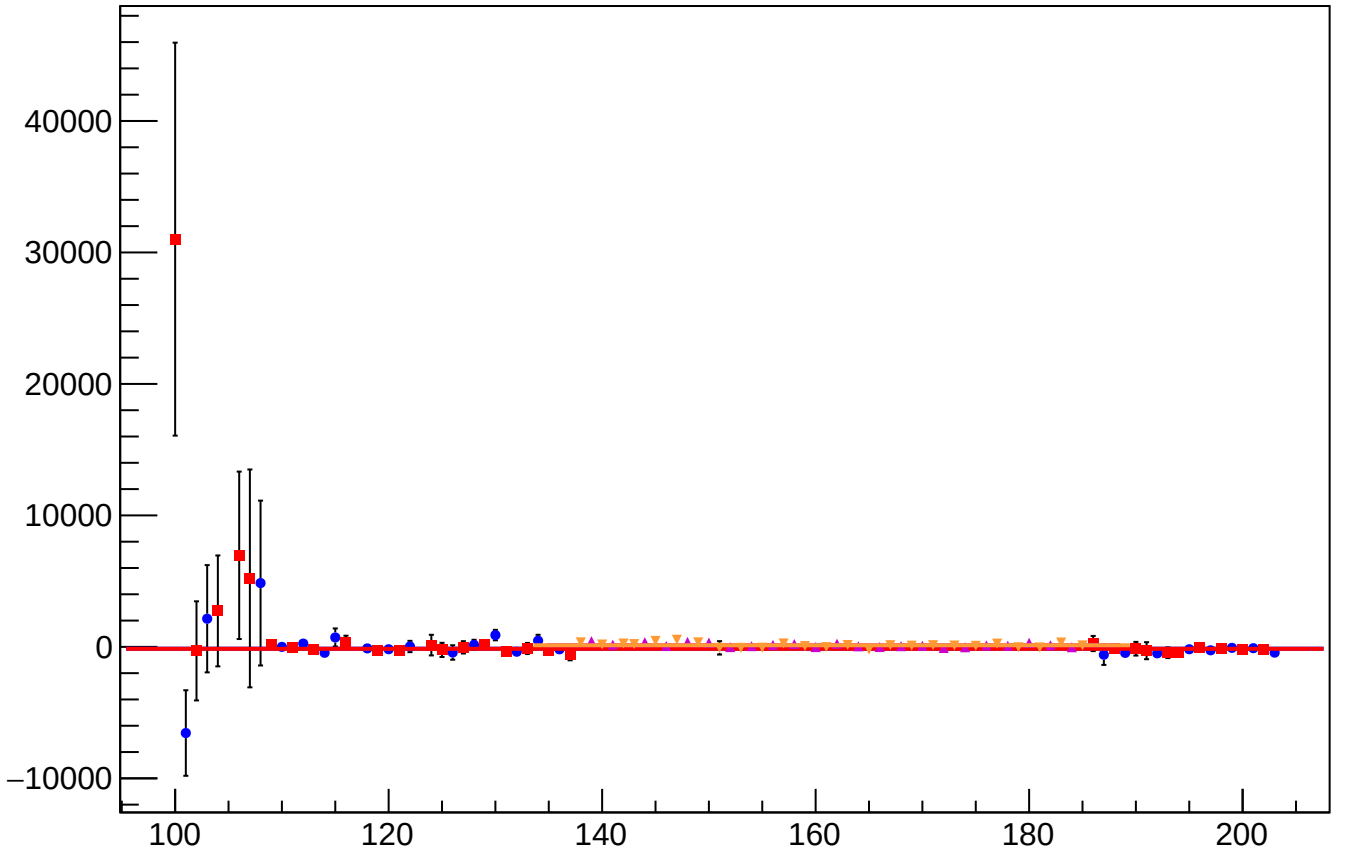
Left: 28.717+/-0.003 χ^2/NDF: 226258.3/47

Right: 27.534+/-0.004 χ^2/NDF: 6856683.0/52

In: 28.235+/-0.004 χ^2/NDF:3428687.5/46

Out: 28.227+/-0.004 χ^2/NDF:3706580.3/53

All: 28.231+/-0.003 χ^2/NDF: 7135270.1/100



Right In: -138.070+/-54.185 χ^2/NDF: 26.6/23

Left Out: 122.864+/-47.300 χ^2/NDF:11.3/24

Right Out: -146.907+/-53.033 χ^2/NDF: 17.5/28

Left In: 123.046+/-45.269 χ^2/NDF:8.5/22

Left: 122.959+/-32.704 χ^2/NDF: 19.8/47

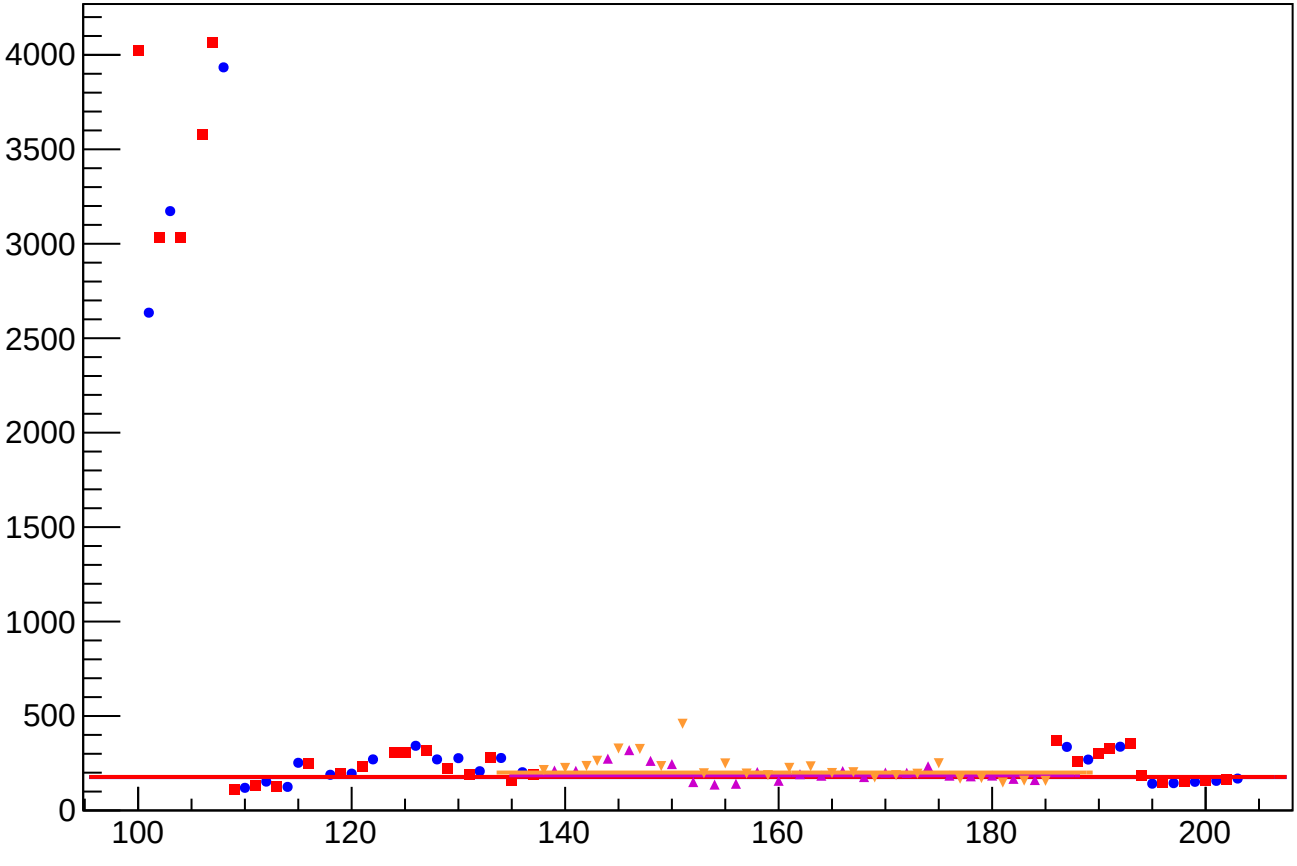
Right: -142.584+/-37.900 χ^2/NDF: 44.1/52

In: 15.709+/-34.740 χ^2/NDF:48.7/46

Out: 3.343+/-35.299 χ^2/NDF:43.3/53

All: 9.625+/-24.760 χ^2/NDF: 92.1/100

asym_bcm_cav4cQ_bcm_dg_us_agg_avg_rms vs Slug, Sign Corrected



Right In: 176.594+/-0.038 χ^2/NDF: 4783062.5/23

Left Out: 200.686+/-0.033 χ^2/NDF:1880083.2/24

Right Out: 177.457+/-0.037 χ^2/NDF: 5434546.8/28

Left In: 186.169+/-0.032 χ^2/NDF:1413387.1/22

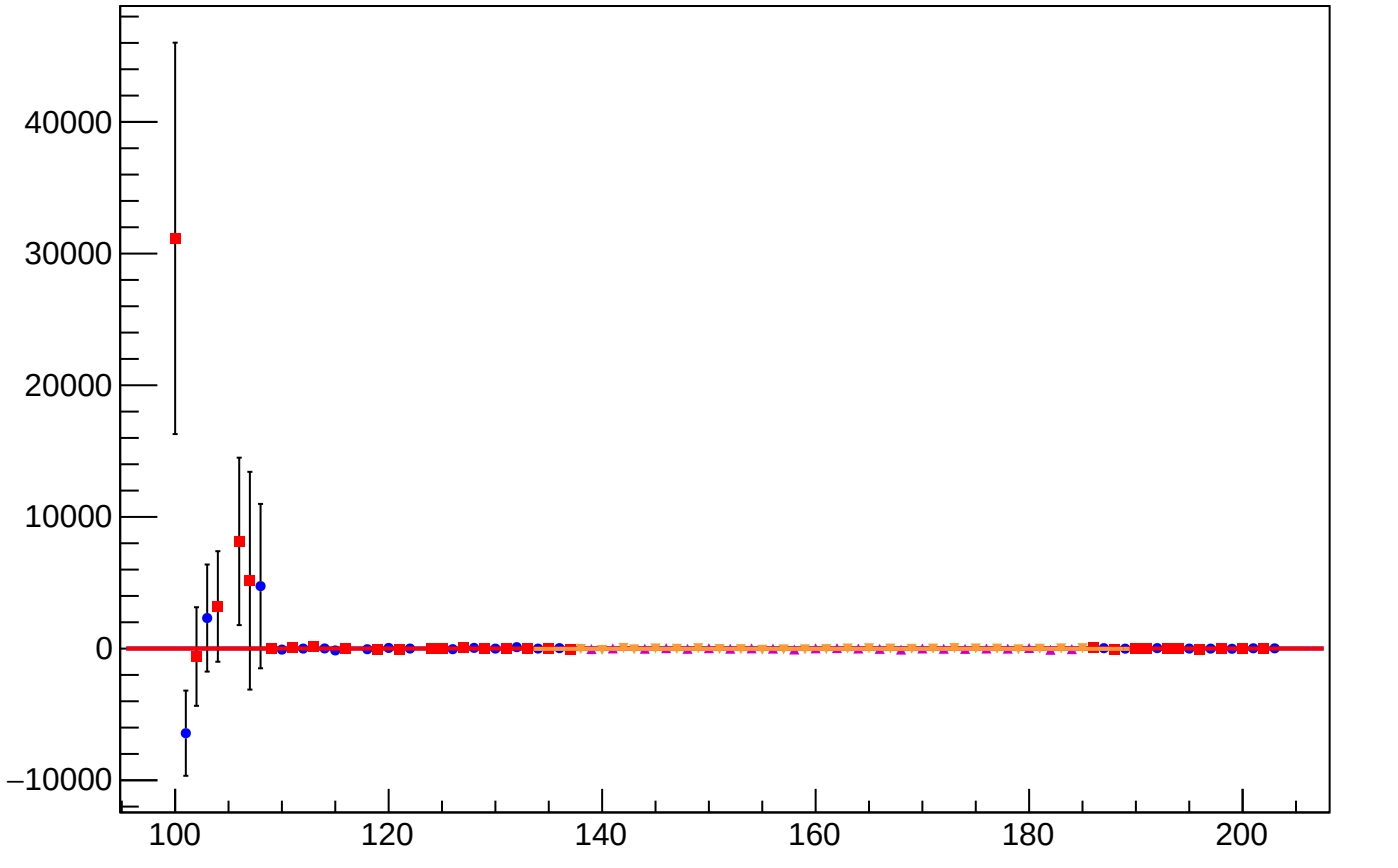
Left: 193.109+/-0.023 χ^2/NDF: 3391793.2/47

Right: 177.035+/-0.027 χ^2/NDF: 10217868.3/52

In: 182.233+/-0.025 χ^2/NDF:6233227.5/46

Out: 190.394+/-0.025 χ^2/NDF:7528329.4/53

All: 186.249+/-0.018 χ^2/NDF: 13815863.6/10



Right In: 8.345+/-9.859 χ^2/NDF: 19.1/23

Left Out: -21.228+/-7.835 χ^2/NDF:22.9/24

Right Out: 4.439+/-9.492 χ^2/NDF: 30.7/28

Left In: -4.029+/-8.083 χ^2/NDF:18.9/22

Left: -12.896+/-5.626 χ^2/NDF: 44.2/47

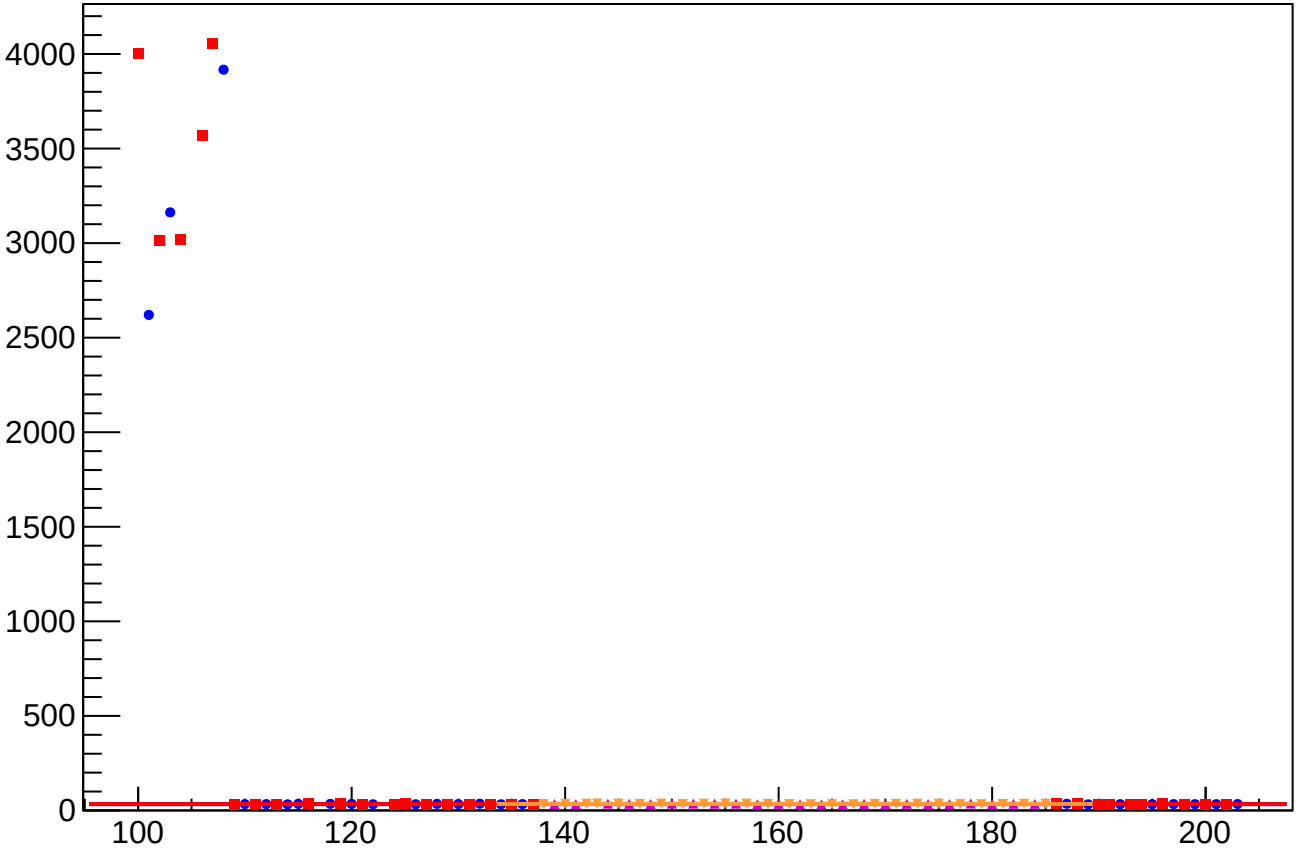
Right: 6.318+/-6.838 χ^2/NDF: 49.9/52

In: 0.945+/-6.251 χ^2/NDF:39.0/46

Out: -10.826+/-6.042 χ^2/NDF:58.0/53

All: -5.140+/-4.345 χ^2/NDF: 98.8/100

asym_bcm_cav4cQ_bcm_dg_us_agg_dd_rms vs Slug, Sign Corrected



Right In: 33.576+/-0.007 χ^2/NDF: 3249279.1/23

Left Out: 34.439+/-0.006 χ^2/NDF:44686.3/24

Right Out: 33.593+/-0.007 χ^2/NDF: 3541515.9/28

Left In: 34.552+/-0.006 χ^2/NDF:59280.9/22

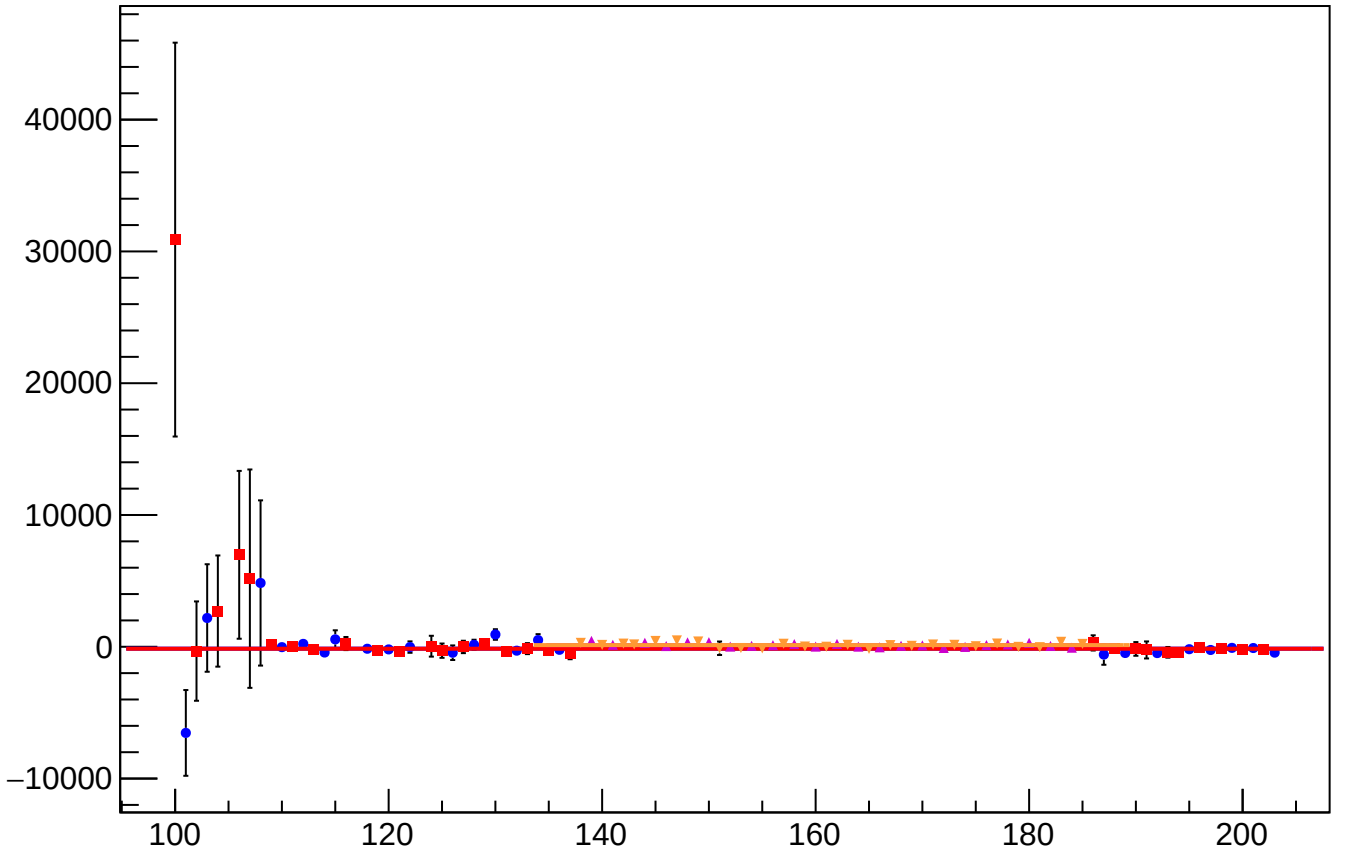
Left: 34.494+/-0.004 χ^2/NDF: 104170.1/47

Right: 33.585+/-0.005 χ^2/NDF: 6790798.1/52

In: 34.160+/-0.004 χ^2/NDF:3320278.3/46

Out: 34.096+/-0.004 χ^2/NDF:3595642.9/53

All: 34.127+/-0.003 χ^2/NDF: 6916028.9/100



Right In: -143.552+/-54.017 χ^2/NDF: 25.9/23

Left Out: 127.689+/-47.228 χ^2/NDF:11.6/24

Right Out: -148.846+/-52.815 χ^2/NDF: 17.0/28

Left In: 122.809+/-45.199 χ^2/NDF:8.0/22

Left: 125.142+/-32.654 χ^2/NDF: 19.6/47

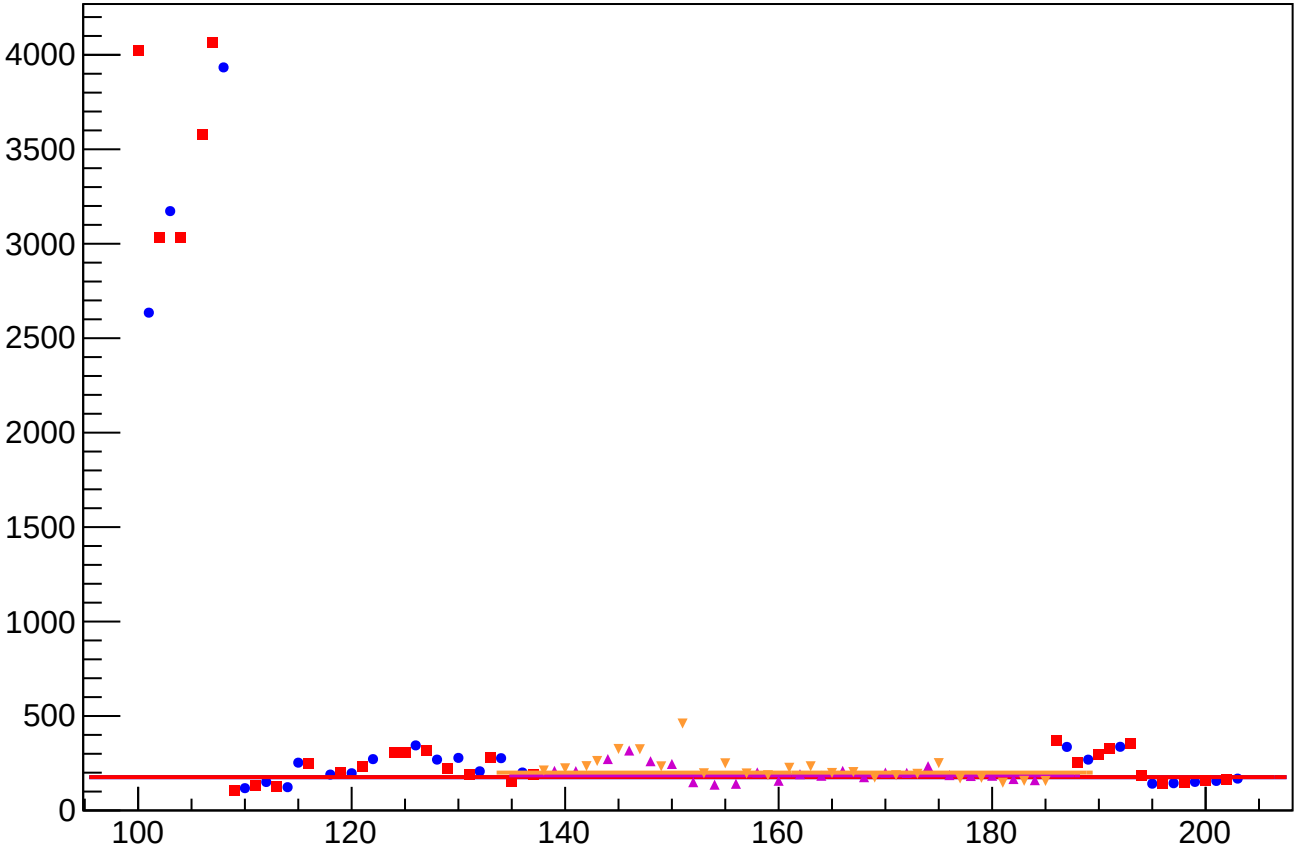
Right: -146.259+/-37.763 χ^2/NDF: 42.9/52

In: 13.116+/-34.664 χ^2/NDF:48.2/46

Out: 4.816+/-35.205 χ^2/NDF:43.9/53

All: 9.031+/-24.700 χ^2/NDF: 92.1/100

asym_bcm_cav4cQ_bcm_dg_ds_agg_avg_rms vs Slug, Sign Corrected



Right In: 175.916+/-0.038 χ^2/NDF: 4812377.5/23

Left Out: 200.372+/-0.033 χ^2/NDF:1876533.6/24

Right Out: 176.513+/-0.037 χ^2/NDF: 5487856.3/28

Left In: 185.871+/-0.032 χ^2/NDF:1405525.2/22

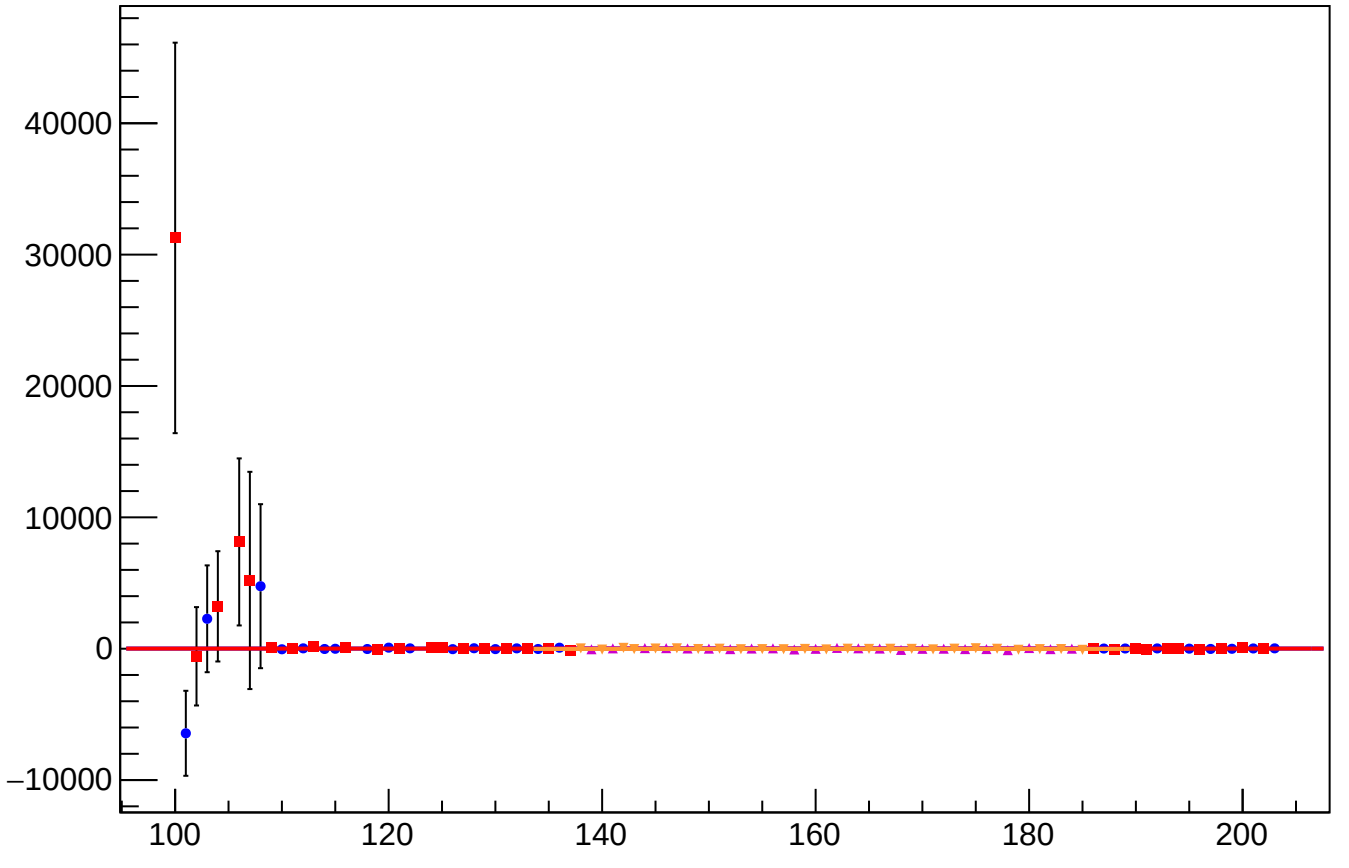
Left: 192.803+/-0.023 χ^2/NDF: 3380466.3/47

Right: 176.221+/-0.027 χ^2/NDF: 10300358.4/52

In: 181.772+/-0.025 χ^2/NDF:6257858.3/46

Out: 189.771+/-0.025 χ^2/NDF:7591192.6/53

All: 185.709+/-0.017 χ^2/NDF: 13901474.5/10



Right In: 11.263+/-8.944 χ^2/NDF: 17.0/23

Left Out: -18.581+/-7.135 χ^2/NDF:20.4/24

Right Out: 8.258+/-8.604 χ^2/NDF: 38.4/28

Left In: -2.709+/-7.348 χ^2/NDF:35.5/22

Left: -10.878+/-5.119 χ^2/NDF: 58.3/47

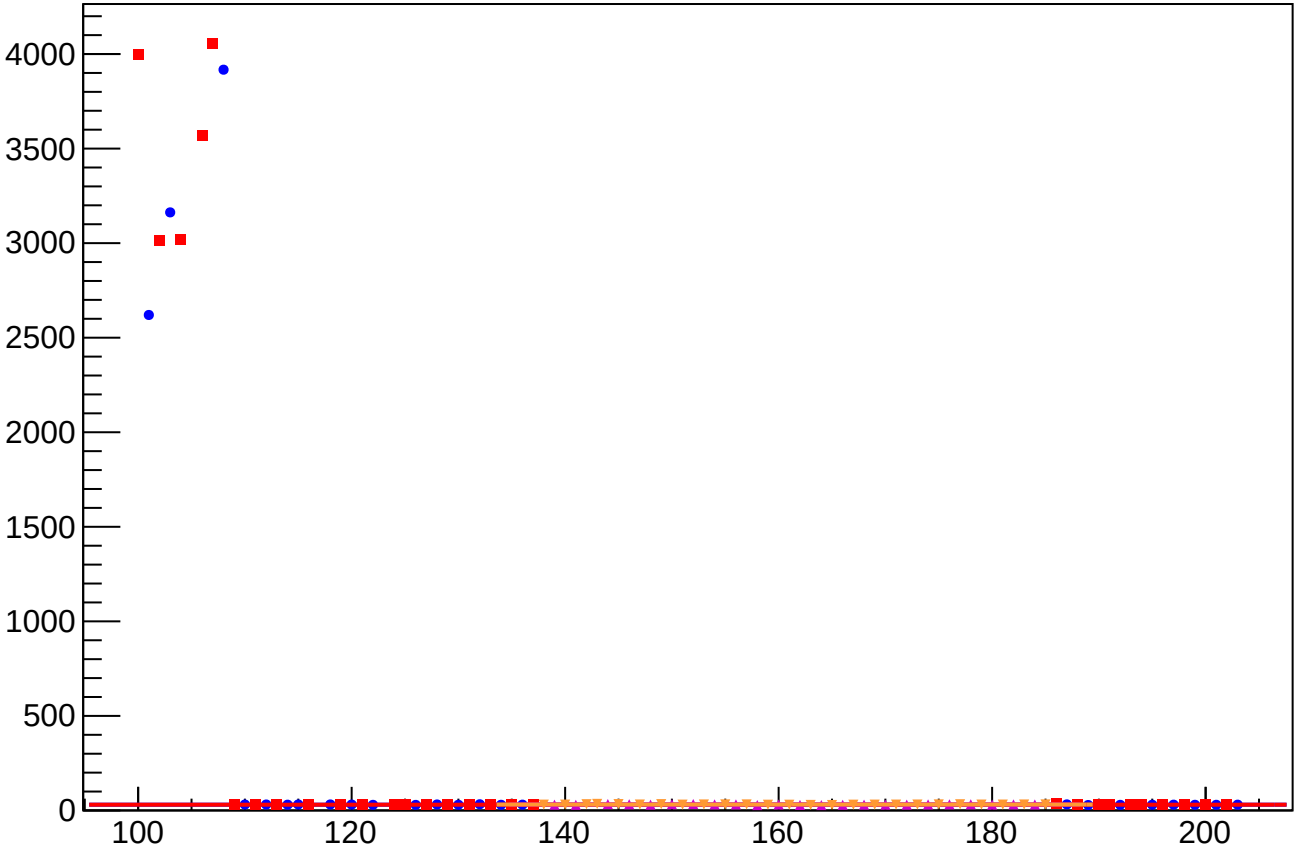
Right: 9.703+/-6.201 χ^2/NDF: 55.4/52

In: 2.921+/-5.677 χ^2/NDF:54.0/46

Out: -7.646+/-5.492 χ^2/NDF:64.5/53

All: -2.537+/-3.947 χ^2/NDF: 120.3/100

asym_bcm_cav4cQ_bcm_dg_ds_agg_dd_rms vs Slug, Sign Corrected



Right In: 30.437+/-0.006 χ^2/NDF: 3263263.6/23

Left Out: 31.340+/-0.005 χ^2/NDF:63017.9/24

Right Out: 30.426+/-0.006 χ^2/NDF: 3559112.1/28

Left In: 31.379+/-0.005 χ^2/NDF:85229.7/22

Left: 31.359+/-0.004 χ^2/NDF: 148277.4/47

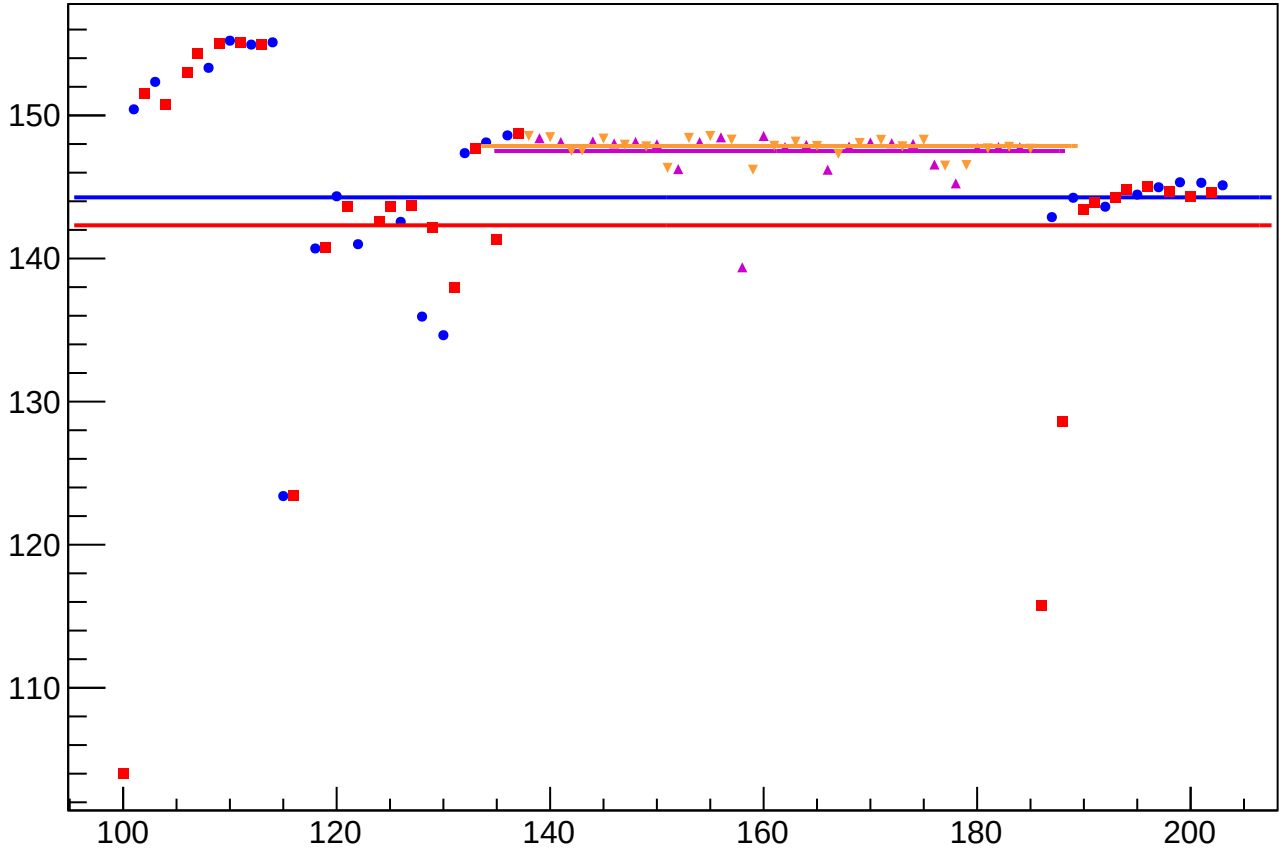
Right: 30.431+/-0.004 χ^2/NDF: 6822377.2/52

In: 30.999+/-0.004 χ^2/NDF:3361764.1/46

Out: 30.967+/-0.004 χ^2/NDF:3635502.3/53

All: 30.983+/-0.003 χ^2/NDF: 6997299.3/100

yield_bcm_target_mean vs Slug, Sign Corrected



Right In: 144.274+/-0.000 χ^2/NDF: 3738017721.3/23

Left Out: 147.864+/-0.000 χ^2/NDF:44922014.2/24

Right Out: 142.320+/-0.000 χ^2/NDF: 7521791211.7/28

Left In: 147.511+/-0.000 χ^2/NDF:306421789.5/22

Left: 147.695+/-0.000 χ^2/NDF: 357135734.4/47

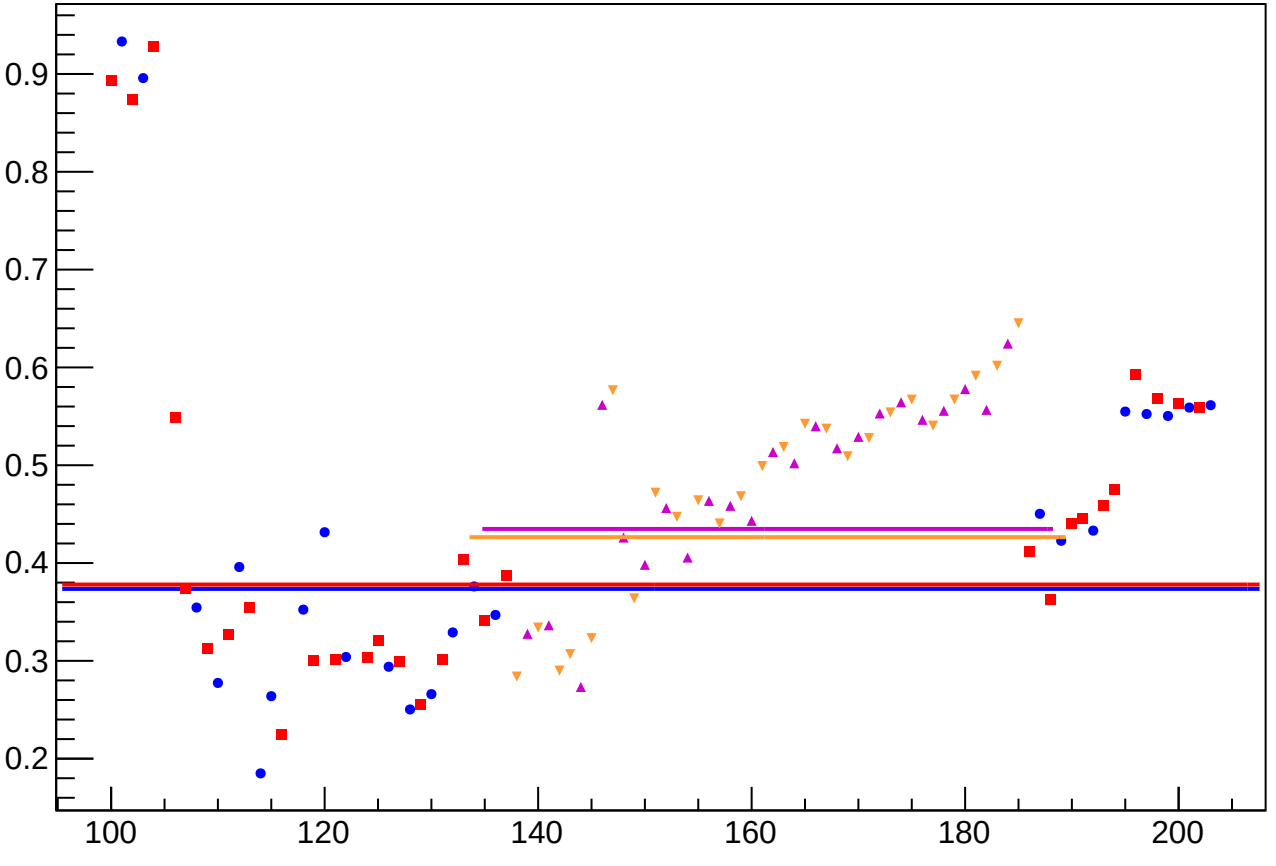
Right: 143.252+/-0.000 χ^2/NDF: 11417038078.0/52

In: 145.993+/-0.000 χ^2/NDF:4482627782.0/46

Out: 145.253+/-0.000 χ^2/NDF:8971040313.1/53

All: 145.607+/-0.000 χ^2/NDF: 13501674291.

yield_bcm_target_rms vs Slug, Sign Corrected



Right In: 0.374+/-0.000 χ^2/NDF: 2621606.2/23

Left Out: 0.426+/-0.000 χ^2/NDF:2259192.5/24

Right Out: 0.378+/-0.000 χ^2/NDF: 2487997.2/28

Left In: 0.435+/-0.000 χ^2/NDF:1774903.7/22

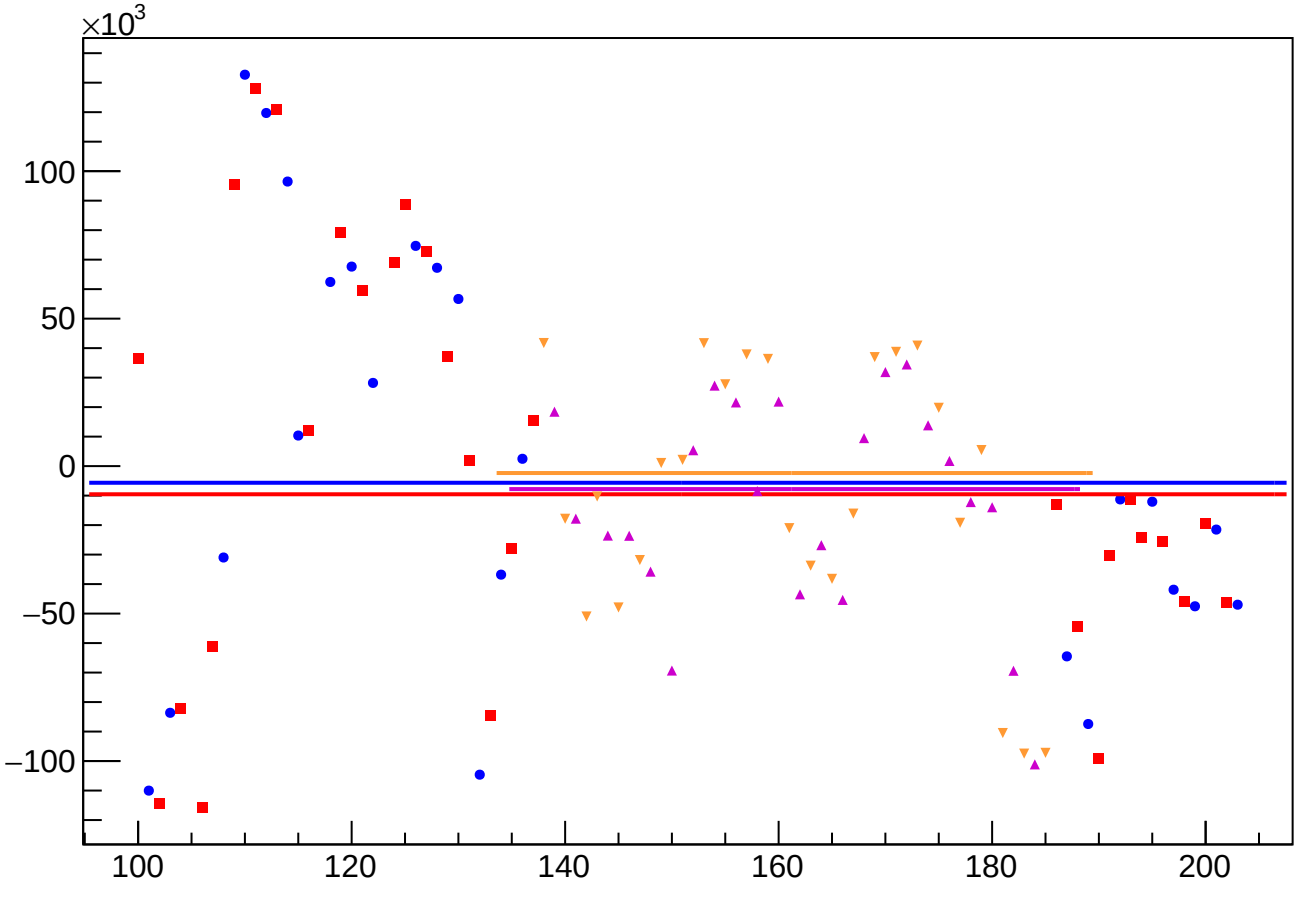
Left: 0.430+/-0.000 χ^2/NDF: 4040738.3/47

Right: 0.376+/-0.000 χ^2/NDF: 5111238.7/52

In: 0.406+/-0.000 χ^2/NDF:4710928.7/46

Out: 0.404+/-0.000 χ^2/NDF:4961293.7/53

All: 0.405+/-0.000 χ^2/NDF: 9673319.0/100



Right In: -5645.550+/-1.506 χ^2/NDF: 1808410655.2/23

Left Out: -2344.855+/-1.123 χ^2/NDF:1230029339.6/24

Right Out: -9548.910+/-1.394 χ^2/NDF: 2268569096.6/28

Left In: -7787.808+/-1.145 χ^2/NDF:762496621.5/22

Left: -5015.253+/-0.802 χ^2/NDF: 2004045886.0/47

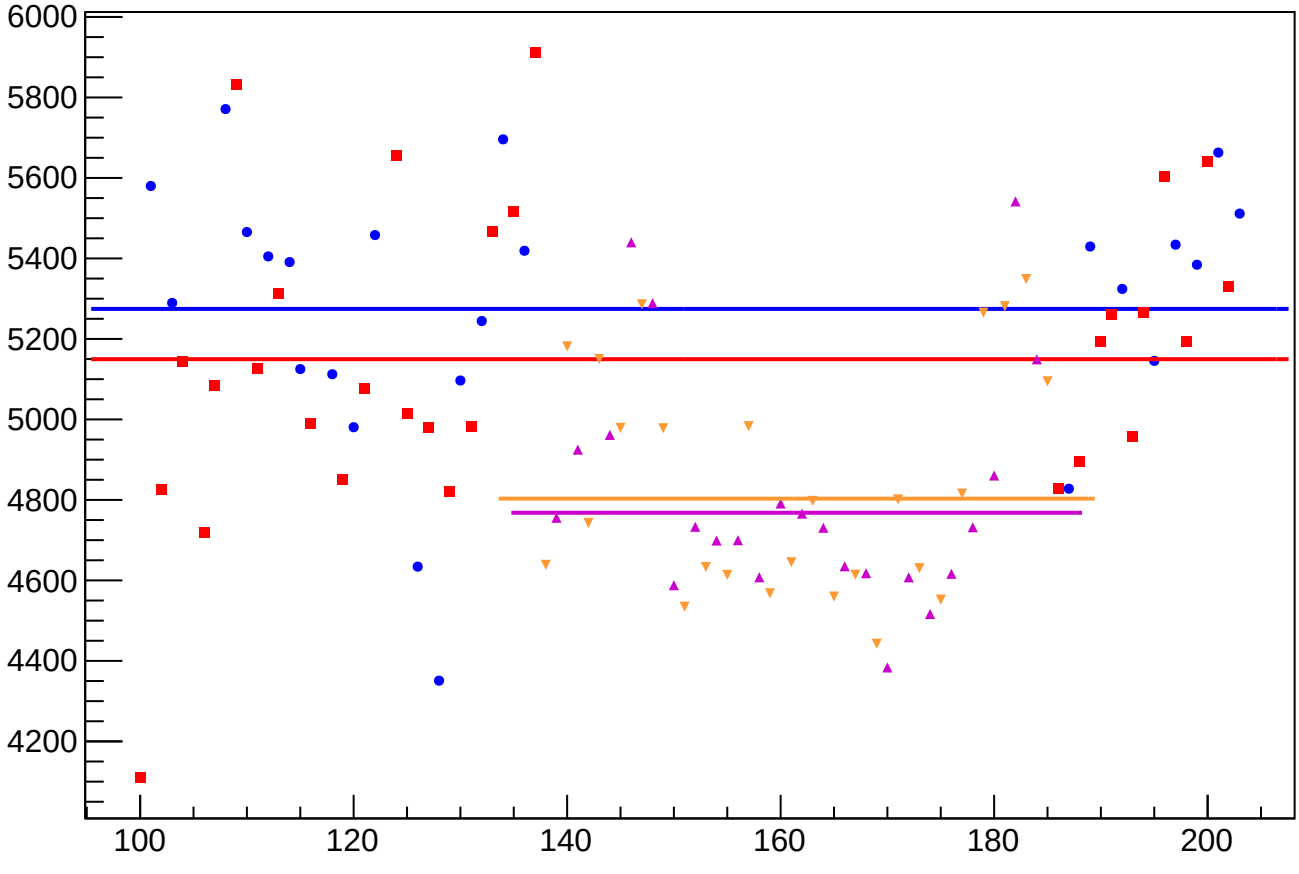
Right: -7747.245+/-1.023 χ^2/NDF: 4080598484.4/5

In: -7003.259+/-0.911 χ^2/NDF:2572190276.8/46

Out: -5180.802+/-0.875 χ^2/NDF:3514790947.6/53

All: -6054.785+/-0.631 χ^2/NDF: 6089063234

yield_bcm_an_diff_rms vs Slug, Sign Corrected



Right In: 5274.596+/-1.065 χ^2/NDF: 97366.3/23

Left Out: 4803.136+/-0.794 χ^2/NDF:114681.5/24

Right Out: 5149.686+/-0.986 χ^2/NDF: 97076.5/28

Left In: 4768.055+/-0.809 χ^2/NDF:102355.5/22

Left: 4785.925+/-0.567 χ^2/NDF: 217994.1/47

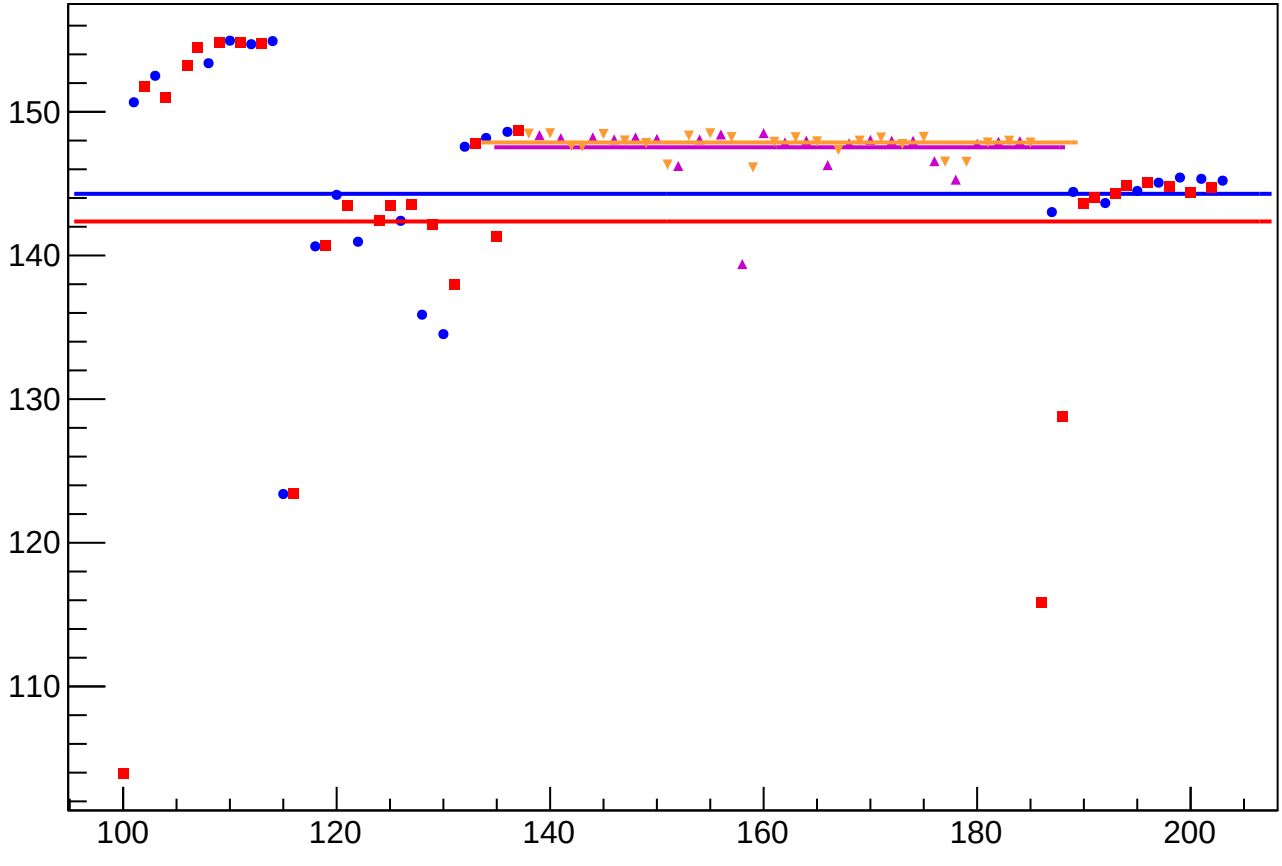
Right: 5207.341+/-0.723 χ^2/NDF: 201854.3/52

In: 4953.563+/-0.644 χ^2/NDF:343185.7/46

Out: 4939.559+/-0.618 χ^2/NDF:286699.3/53

All: 4946.275+/-0.446 χ^2/NDF: 630130.9/100

yield_bcm_an_ds_mean vs Slug, Sign Corrected



Right In: 144.292+/-0.000 χ^2/NDF: 3779500927.3/23

Left Out: 147.870+/-0.000 χ^2/NDF:44483332.4/24

Right Out: 142.368+/-0.000 χ^2/NDF: 7495994349.1/28

Left In: 147.532+/-0.000 χ^2/NDF:307143604.6/22

Left: 147.708+/-0.000 χ^2/NDF: 356985822.2/47

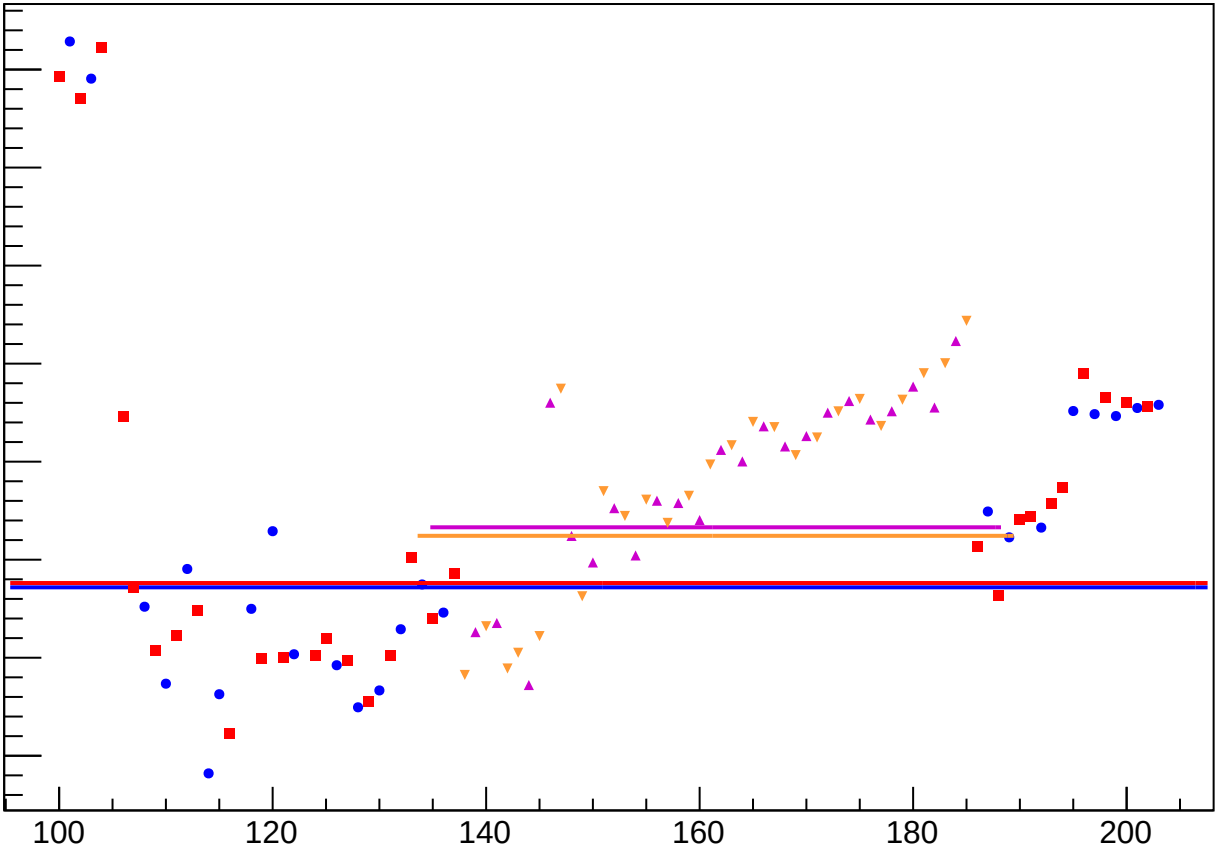
Right: 143.286+/-0.000 χ^2/NDF: 11429486889.7/52

In: 146.012+/-0.000 χ^2/NDF:4529429051.0/46

Out: 145.280+/-0.000 χ^2/NDF:8936649798.0/53

All: 145.630+/-0.000 χ^2/NDF: 13513549206.

yield_bcm_an_ds_rms vs Slug, Sign Corrected



Right In: 0.372+/-0.000 χ^2/NDF: 2618715.8/23

Left Out: 0.424+/-0.000 χ^2/NDF:2260723.7/24

Right Out: 0.376+/-0.000 χ^2/NDF: 2494165.7/28

Left In: 0.433+/-0.000 χ^2/NDF:1771141.8/22

Left: 0.429+/-0.000 χ^2/NDF: 4038947.9/47

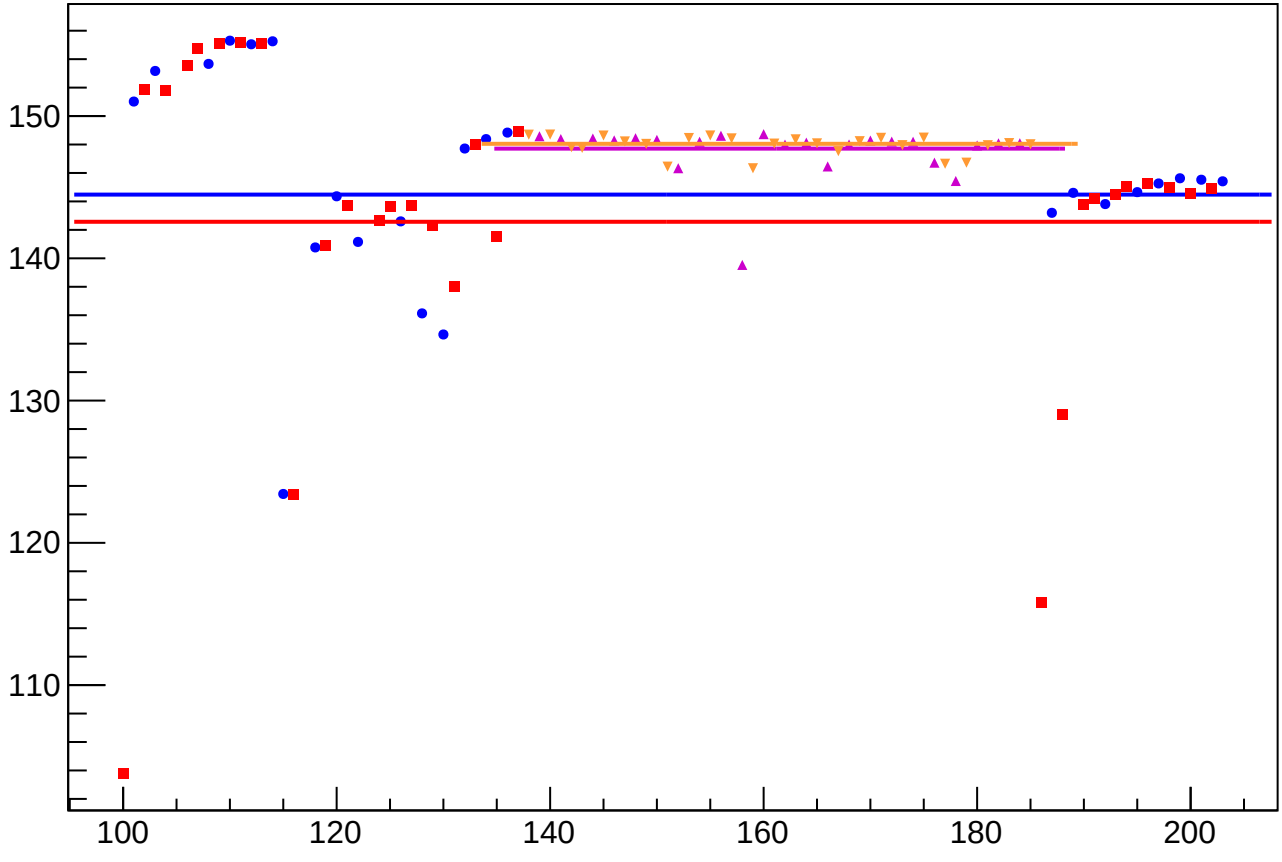
Right: 0.374+/-0.000 χ^2/NDF: 5114498.1/52

In: 0.404+/-0.000 χ^2/NDF:4706502.7/46

Out: 0.402+/-0.000 χ^2/NDF:4968775.6/53

All: 0.403+/-0.000 χ^2/NDF: 9676496.2/100

yield_bcm_an_ds3_mean vs Slug, Sign Corrected



Right In: 144.480+/-0.000 χ^2/NDF: 3773423963.5/23

Left Out: 148.049+/-0.000 χ^2/NDF:44901895.1/24

Right Out: 142.569+/-0.000 χ^2/NDF: 7431040330.3/28

Left In: 147.710+/-0.000 χ^2/NDF:311841433.9/22

Left: 147.887+/-0.000 χ^2/NDF: 362079380.3/47

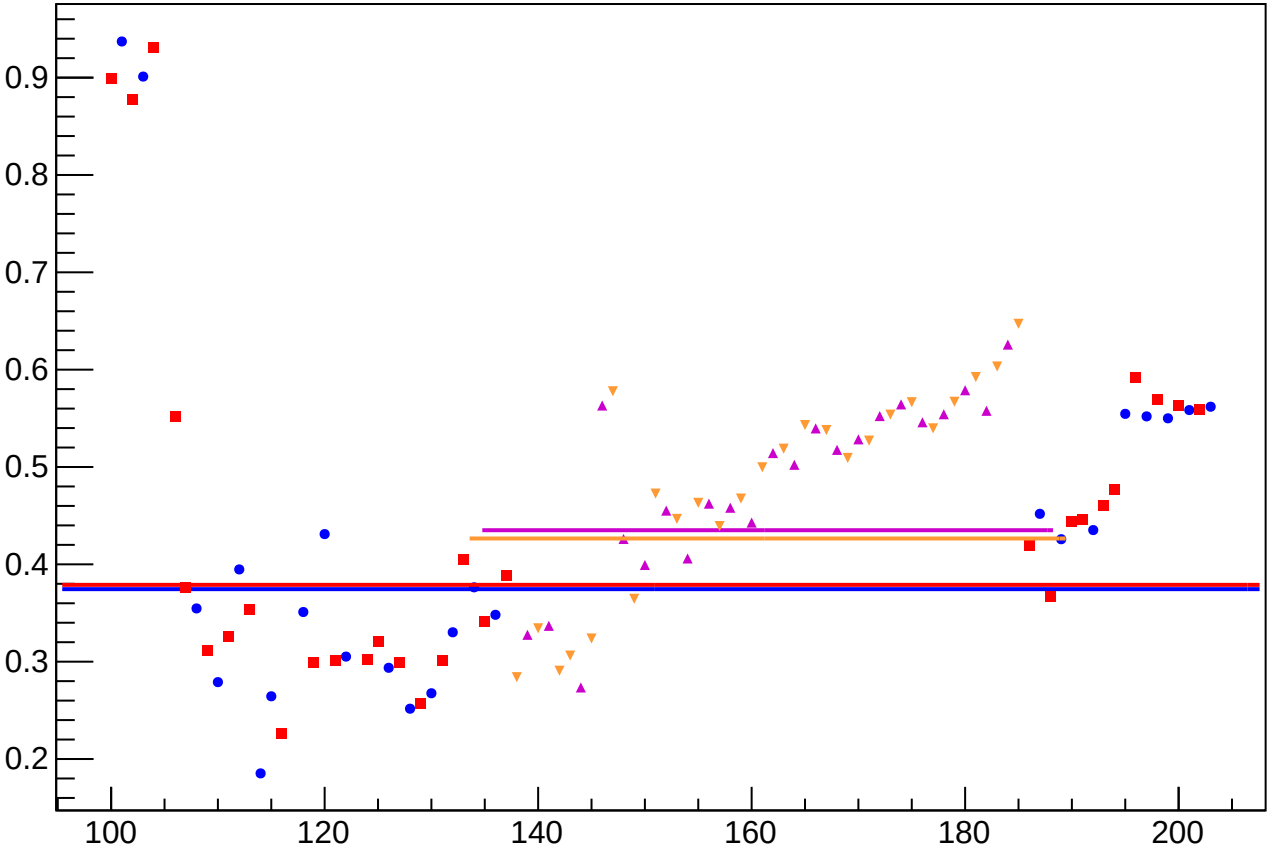
Right: 143.480+/-0.000 χ^2/NDF: 11354121361.2/52

In: 146.199+/-0.000 χ^2/NDF:4520601609.6/46

Out: 145.474+/-0.000 χ^2/NDF:8844395746.6/53

All: 145.821+/-0.000 χ^2/NDF: 13410833378.

yield_bcm_an_ds3_rms vs Slug, Sign Corrected



Right In: 0.375+/-0.000 χ^2/NDF: 2609852.1/23

Left Out: 0.427+/-0.000 χ^2/NDF:2257492.3/24

Right Out: 0.379+/-0.000 χ^2/NDF: 2489816.5/28

Left In: 0.435+/-0.000 χ^2/NDF:1769716.0/22

Left: 0.431+/-0.000 χ^2/NDF: 4033919.8/47

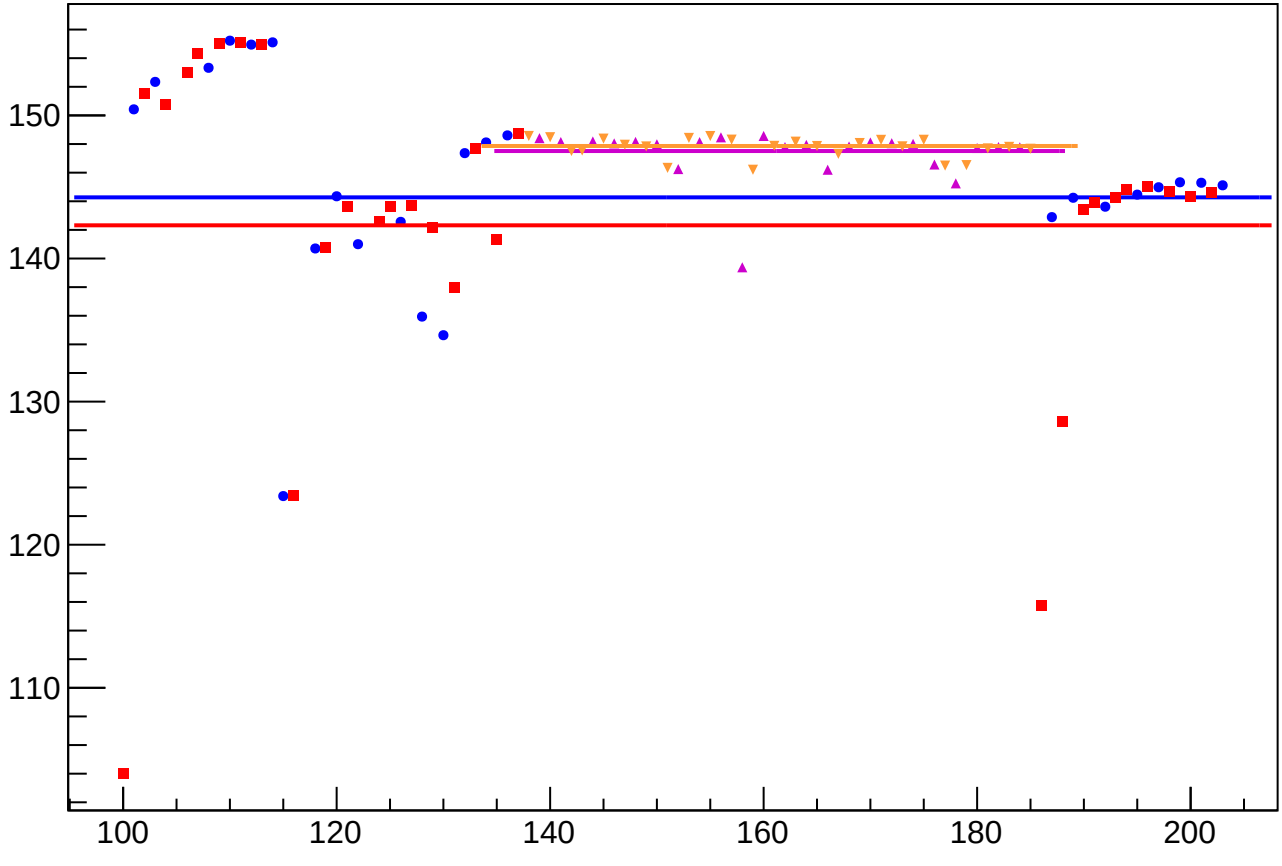
Right: 0.377+/-0.000 χ^2/NDF: 5101266.9/52

In: 0.407+/-0.000 χ^2/NDF:4685401.8/46

Out: 0.404+/-0.000 χ^2/NDF:4954085.4/53

All: 0.405+/-0.000 χ^2/NDF: 9640620.6/100

yield_bcm_an_us_mean vs Slug, Sign Corrected



Right In: 144.274+/-0.000 χ^2/NDF: 3738017721.3/23

Left Out: 147.864+/-0.000 χ^2/NDF:44922014.2/24

Right Out: 142.320+/-0.000 χ^2/NDF: 7521791211.7/28

Left In: 147.511+/-0.000 χ^2/NDF:306421789.5/22

Left: 147.695+/-0.000 χ^2/NDF: 357135734.4/47

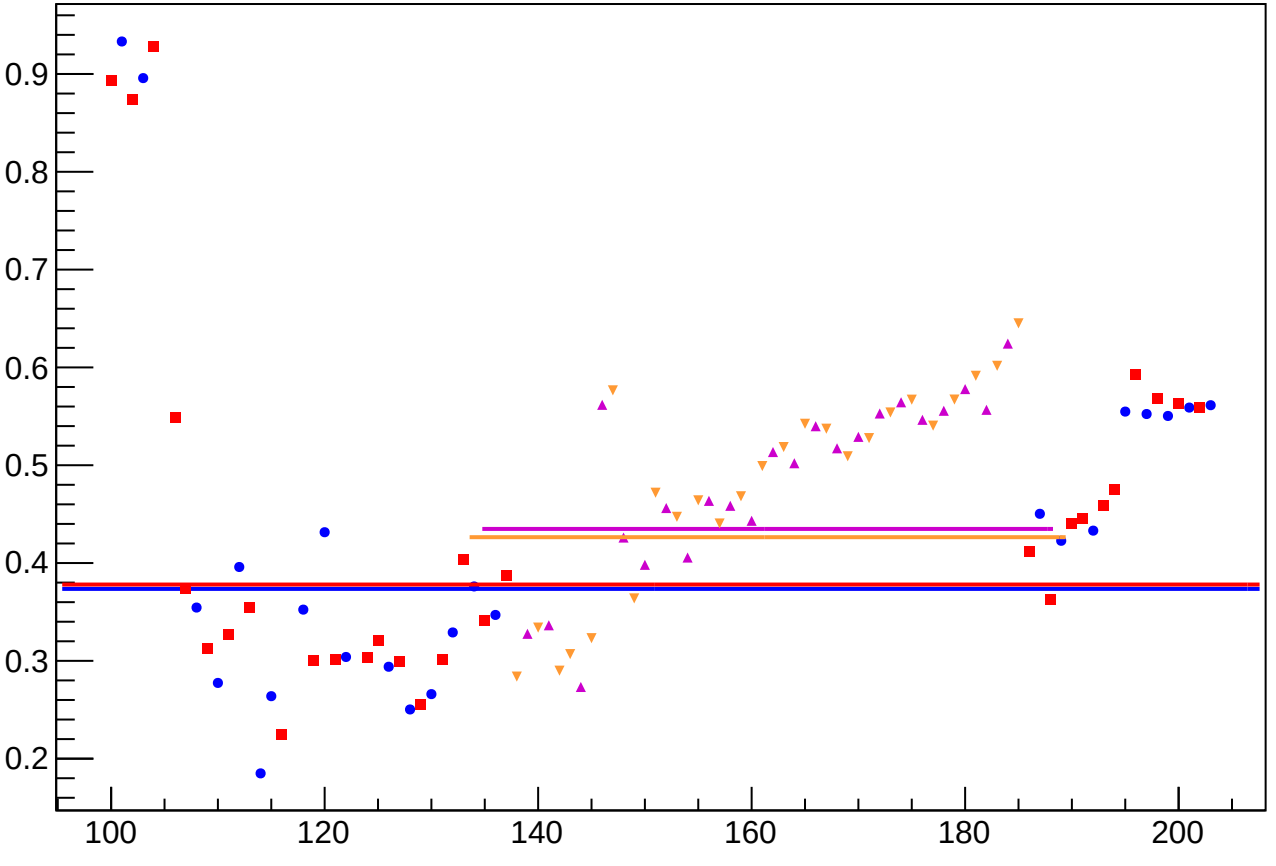
Right: 143.252+/-0.000 χ^2/NDF: 11417038078.0/52

In: 145.993+/-0.000 χ^2/NDF:4482627782.0/46

Out: 145.253+/-0.000 χ^2/NDF:8971040313.1/53

All: 145.607+/-0.000 χ^2/NDF: 13501674291.

yield_bcm_an_us_rms vs Slug, Sign Corrected



Right In: 0.374+/-0.000 χ^2/NDF: 2621606.2/23

Left Out: 0.426+/-0.000 χ^2/NDF:2259192.5/24

Right Out: 0.378+/-0.000 χ^2/NDF: 2487997.2/28

Left In: 0.435+/-0.000 χ^2/NDF:1774903.7/22

Left: 0.430+/-0.000 χ^2/NDF: 4040738.3/47

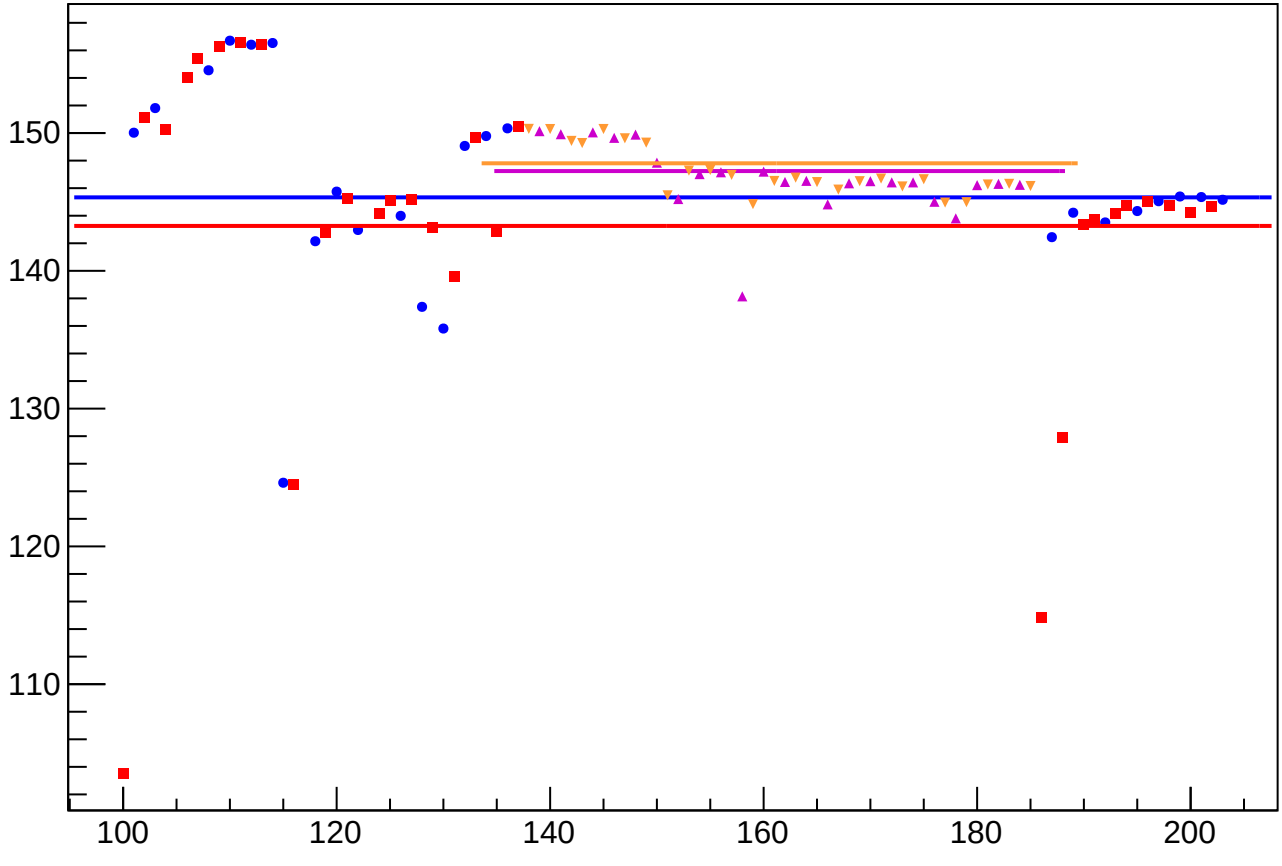
Right: 0.376+/-0.000 χ^2/NDF: 5111238.7/52

In: 0.406+/-0.000 χ^2/NDF:4710928.7/46

Out: 0.404+/-0.000 χ^2/NDF:4961293.7/53

All: 0.405+/-0.000 χ^2/NDF: 9673319.0/100

yield_bcm_dg_us_mean vs Slug, Sign Corrected



Right In: 145.332+/-0.000 χ^2/NDF: 3515066958.2/23

Left Out: 147.804+/-0.000 χ^2/NDF:327059704.2/24

Right Out: 143.259+/-0.000 χ^2/NDF: 7605383391.3/28

Left In: 147.241+/-0.000 χ^2/NDF:618679483.9/22

Left: 147.533+/-0.000 χ^2/NDF: 959733428.8/47

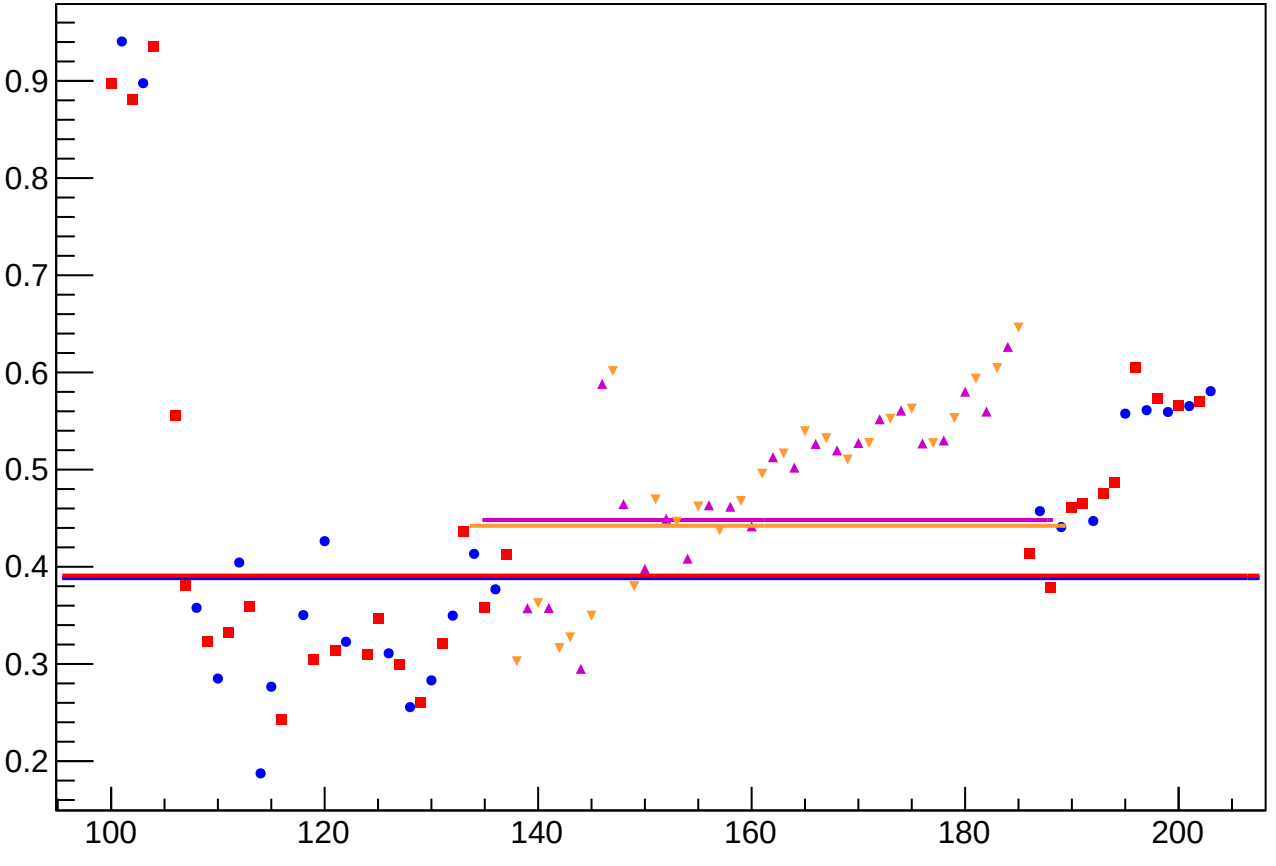
Right: 144.243+/-0.000 χ^2/NDF: 11285475245.0/52

In: 146.359+/-0.000 χ^2/NDF:4276894521.6/46

Out: 145.671+/-0.000 χ^2/NDF:8819193596.7/53

All: 146.000+/-0.000 χ^2/NDF: 13135098345.

yield_bcm_dg_us_rms vs Slug, Sign Corrected



Right In: 0.388+/-0.000 χ^2/NDF: 2497456.8/23

Left Out: 0.442+/-0.000 χ^2/NDF:1704199.1/24

Right Out: 0.391+/-0.000 χ^2/NDF: 2382250.7/28

Left In: 0.448+/-0.000 χ^2/NDF:1347802.9/22

Left: 0.445+/-0.000 χ^2/NDF: 3055136.8/47

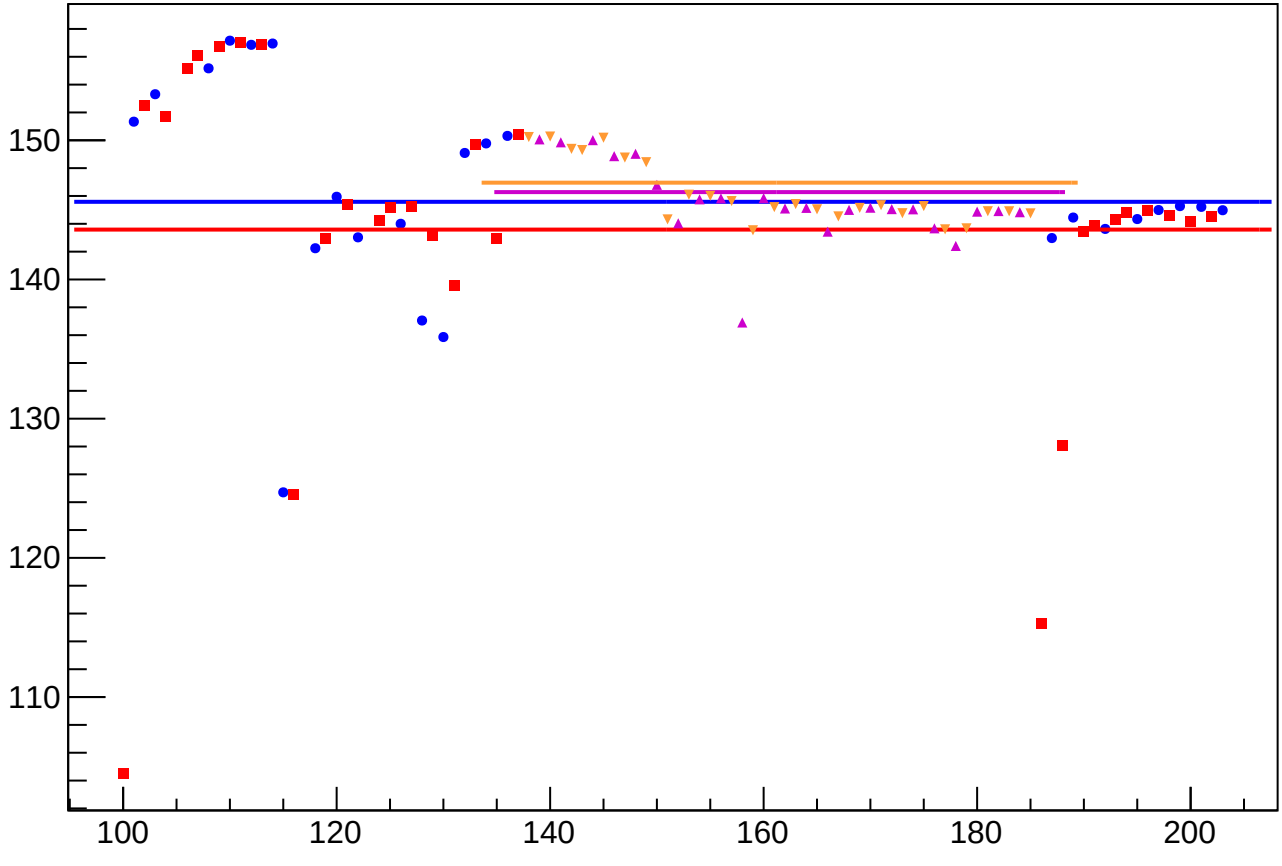
Right: 0.390+/-0.000 χ^2/NDF: 4880234.5/52

In: 0.420+/-0.000 χ^2/NDF:4126630.2/46

Out: 0.418+/-0.000 χ^2/NDF:4311878.8/53

All: 0.419+/-0.000 χ^2/NDF: 8439432.5/100

yield_bcm_dg_ds_mean vs Slug, Sign Corrected



Right In: 145.580+/-0.000 χ^2/NDF: 3661897598.5/23

Left Out: 146.956+/-0.000 χ^2/NDF:542800379.5/24

Right Out: 143.585+/-0.000 χ^2/NDF: 7670456241.6/28

Left In: 146.278+/-0.000 χ^2/NDF:825161532.5/22

Left: 146.630+/-0.000 χ^2/NDF: 1388188459.0/47

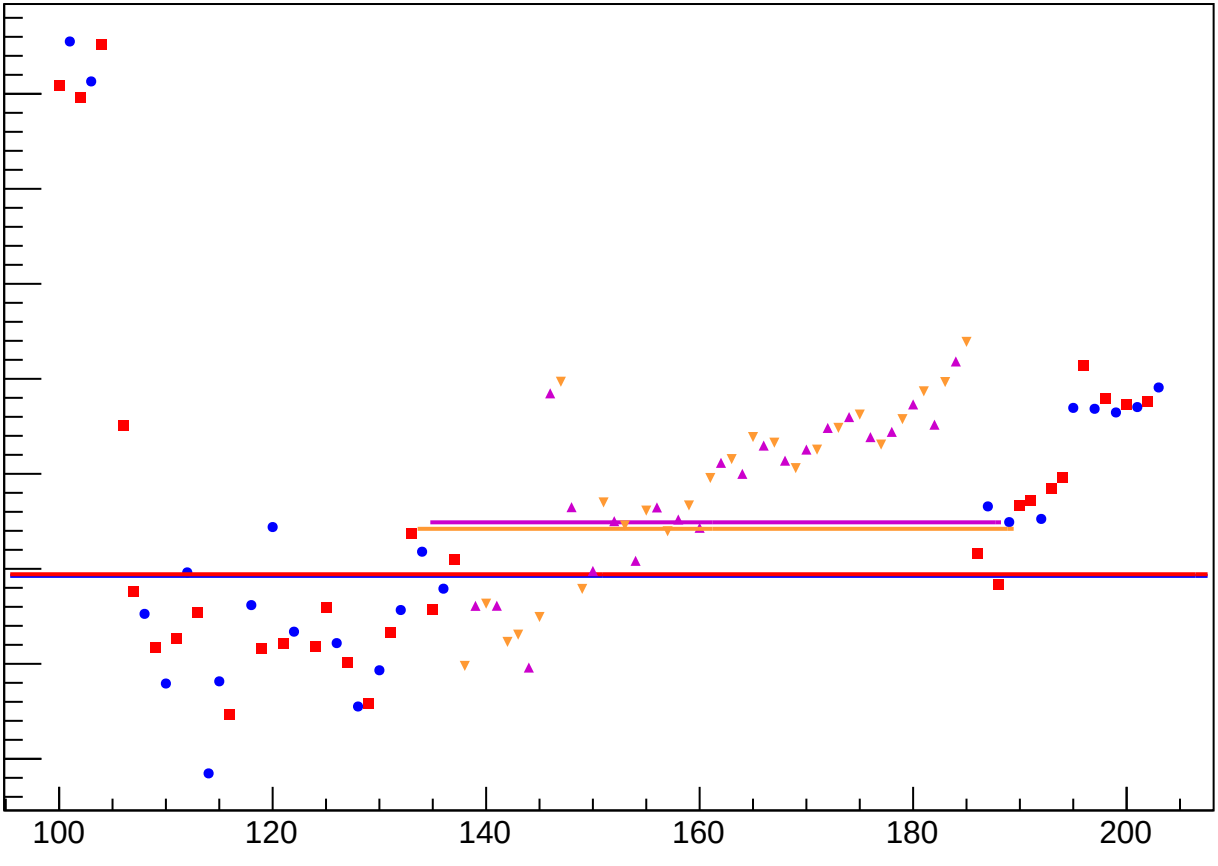
Right: 144.529+/-0.000 χ^2/NDF: 11481708190.7/52

In: 145.959+/-0.000 χ^2/NDF:4505900339.3/46

Out: 145.391+/-0.000 χ^2/NDF:8695733596.8/53

All: 145.662+/-0.000 χ^2/NDF: 13227981782.

yield_bcm_dg_ds_rms vs Slug, Sign Corrected



Right In: 0.393+/-0.000 χ^2/NDF: 2535081.6/23

Left Out: 0.442+/-0.000 χ^2/NDF:1676682.9/24

Right Out: 0.394+/-0.000 χ^2/NDF: 2404413.2/28

Left In: 0.449+/-0.000 χ^2/NDF:1300658.3/22

Left: 0.445+/-0.000 χ^2/NDF: 2981452.0/47

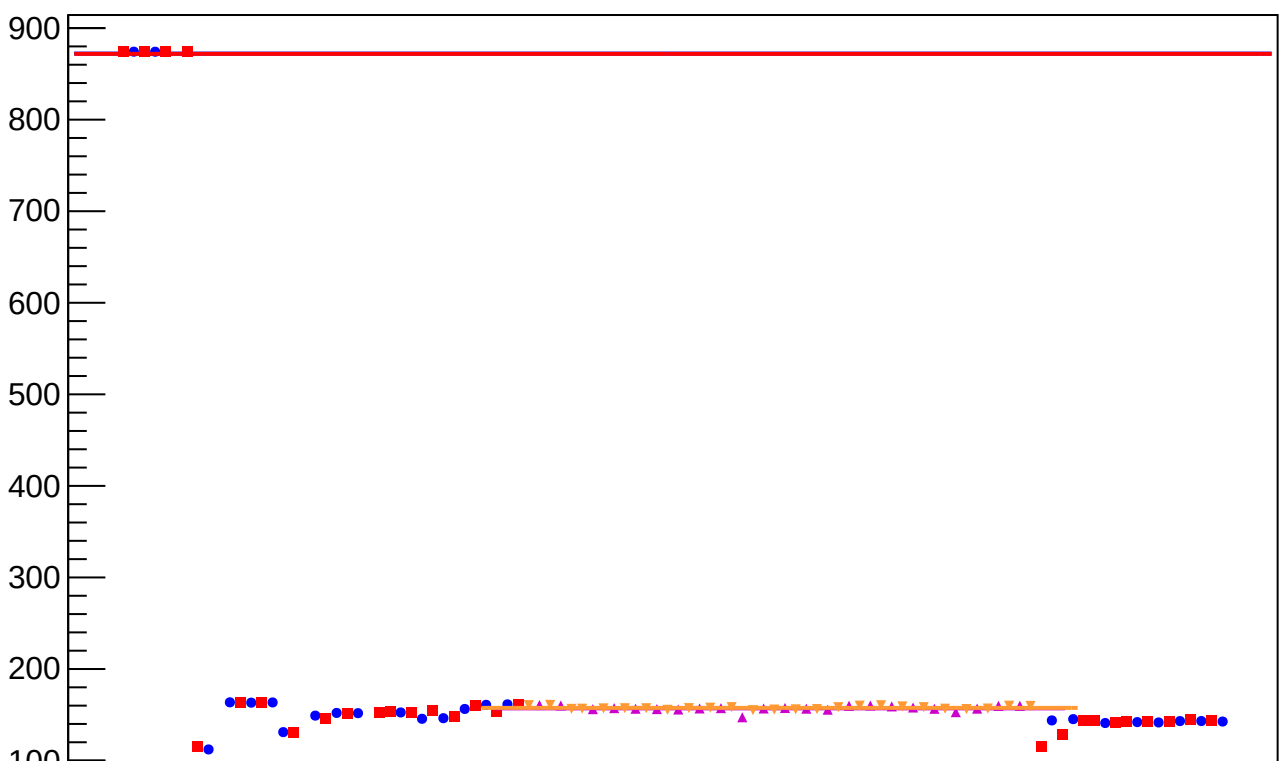
Right: 0.393+/-0.000 χ^2/NDF: 4939712.5/52

In: 0.423+/-0.000 χ^2/NDF:4081633.3/46

Out: 0.420+/-0.000 χ^2/NDF:4275265.9/53

All: 0.421+/-0.000 χ^2/NDF: 8358680.6/100

yield_cav4bQ_mean vs Slug, Sign Corrected



Right In: 872.149+/-0.000 χ^2/NDF: 10691126424386.2/23

Left Out: 157.566+/-0.000 χ^2/NDF:104641292.0/24

Right Out: 871.883+/-0.000 χ^2/NDF: 13957590324020.4/28

Left In: 157.013+/-0.000 χ^2/NDF:239819941.9/22

Left: 157.295+/-0.000 χ^2/NDF: 349528490.6/47

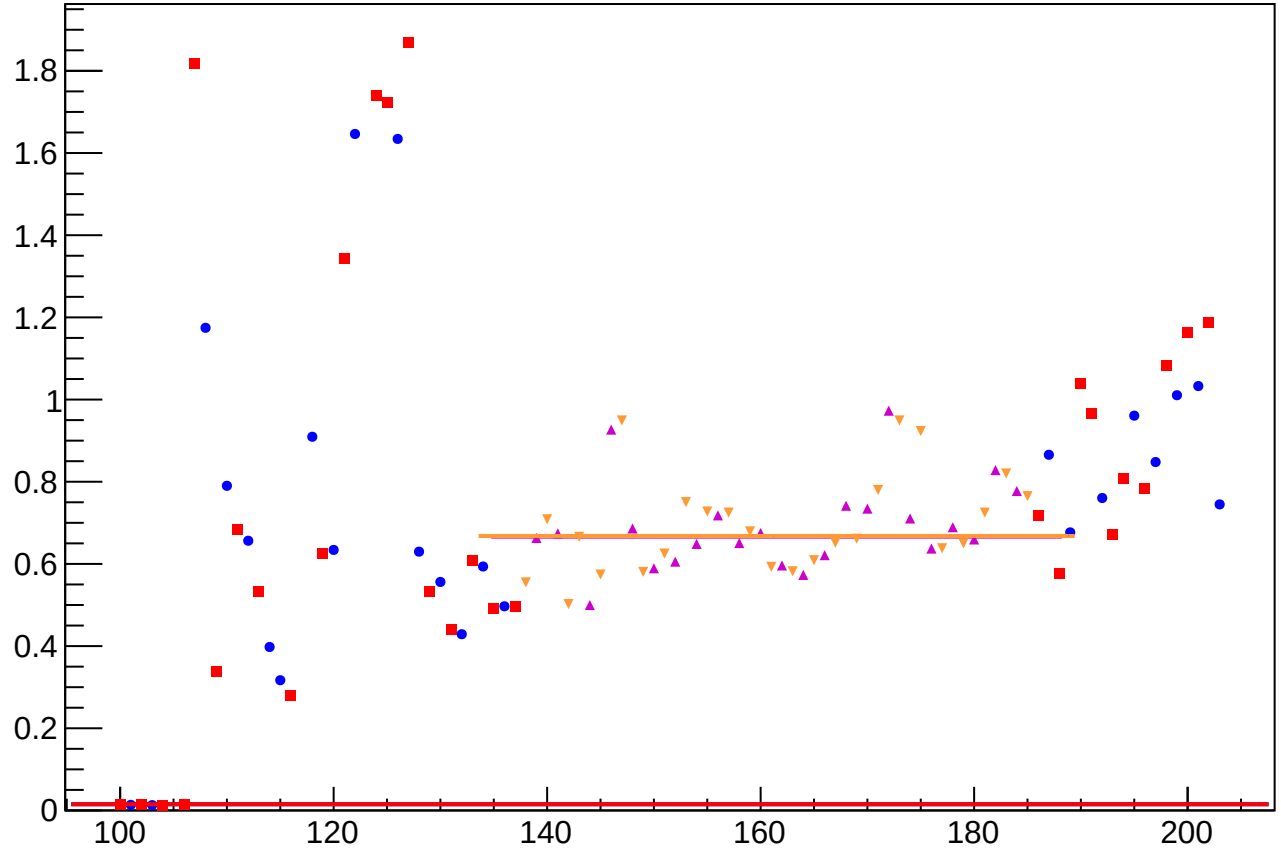
Right: 872.006+/-0.000 χ^2/NDF: 24648987990345.

In: 868.914+/-0.000 χ^2/NDF:27190858875278.0/4

Out: 868.950+/-0.000 χ^2/NDF:31174275007316.1

All: 868.933+/-0.000 χ^2/NDF: 583651388088

yield_cav4bQ_rms vs Slug, Sign Corrected



Right In: 0.015+/-0.000 χ^2/NDF: 18649854.4/23

Left Out: 0.668+/-0.000 χ^2/NDF:681720.2/24

Right Out: 0.015+/-0.000 χ^2/NDF: 20625124.4/28

Left In: 0.666+/-0.000 χ^2/NDF:536078.9/22

Left: 0.667+/-0.000 χ^2/NDF: 1217874.8/47

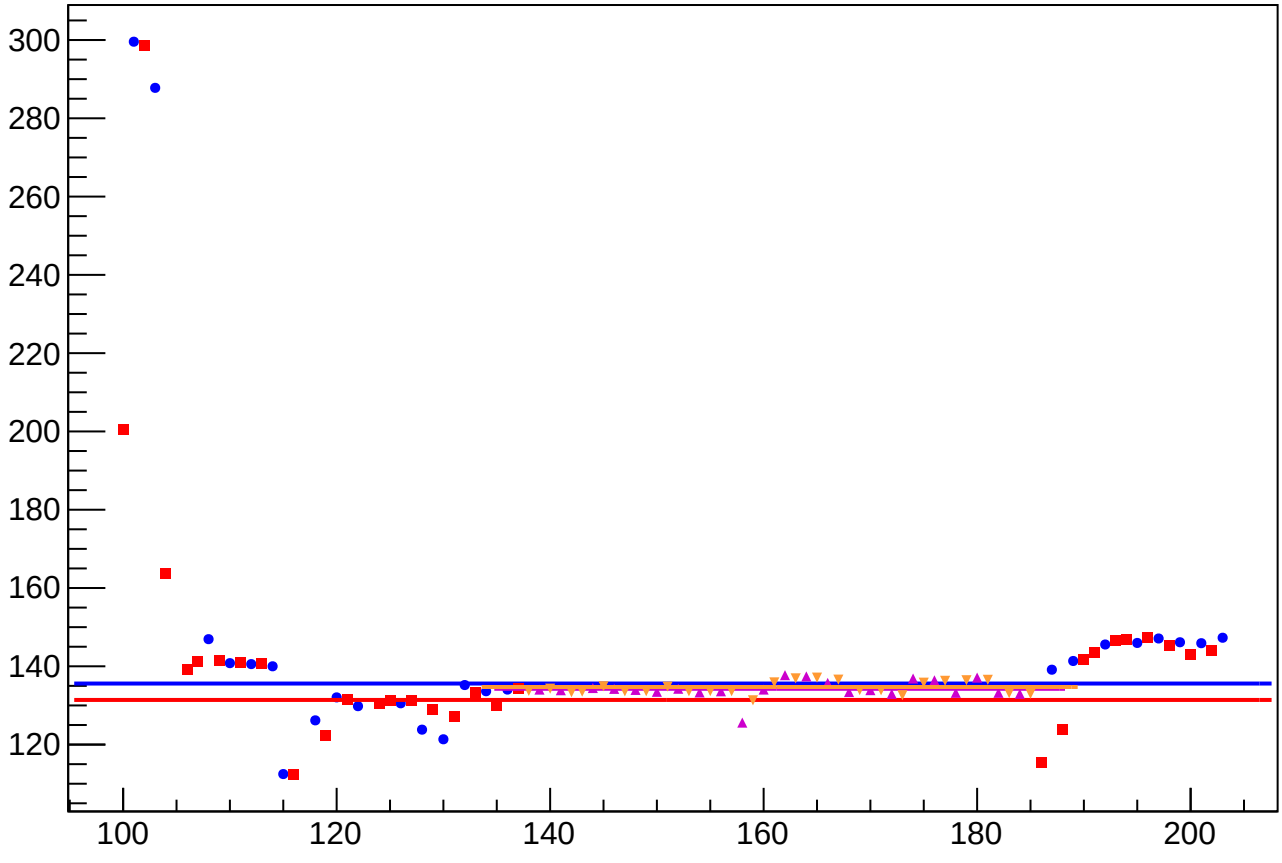
Right: 0.015+/-0.000 χ^2/NDF: 39275013.3/52

In: 0.018+/-0.000 χ^2/NDF:46558769.7/46

Out: 0.018+/-0.000 χ^2/NDF:50073859.3/53

All: 0.018+/-0.000 χ^2/NDF: 96633479.2/100

yield_cav4cQ_mean vs Slug, Sign Corrected



Right In: 135.595+/-0.000 χ^2/NDF: 3235568054.7/23

Left Out: 134.714+/-0.000 χ^2/NDF:159886495.0/24

Right Out: 131.404+/-0.000 χ^2/NDF: 4388579090.6/28

Left In: 134.250+/-0.000 χ^2/NDF:441522664.4/22

Left: 134.494+/-0.000 χ^2/NDF: 608238403.3/47

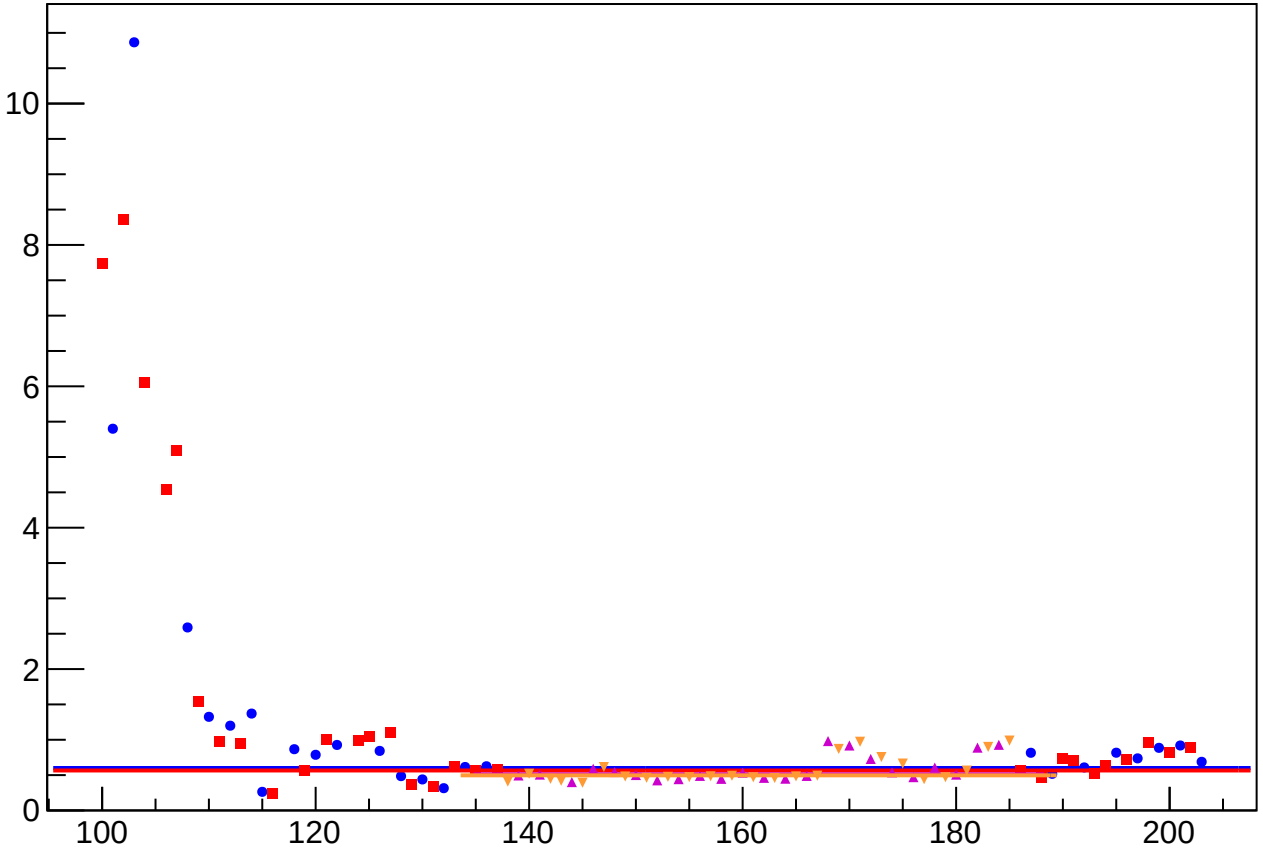
Right: 133.280+/-0.000 χ^2/NDF: 7845437678.7/52

In: 134.618+/-0.000 χ^2/NDF:3707053329.0/46

Out: 133.734+/-0.000 χ^2/NDF:4765505344.8/53

All: 134.147+/-0.000 χ^2/NDF: 8507288918.0

yield_cav4cQ_rms vs Slug, Sign Corrected



Right In: 0.601+/-0.000 χ^2/NDF: 4832771.7/23

Left Out: 0.497+/-0.000 χ^2/NDF:1572512.9/24

Right Out: 0.566+/-0.000 χ^2/NDF: 5806792.1/28

Left In: 0.510+/-0.000 χ^2/NDF:1485489.4/22

Left: 0.503+/-0.000 χ^2/NDF: 3068206.7/47

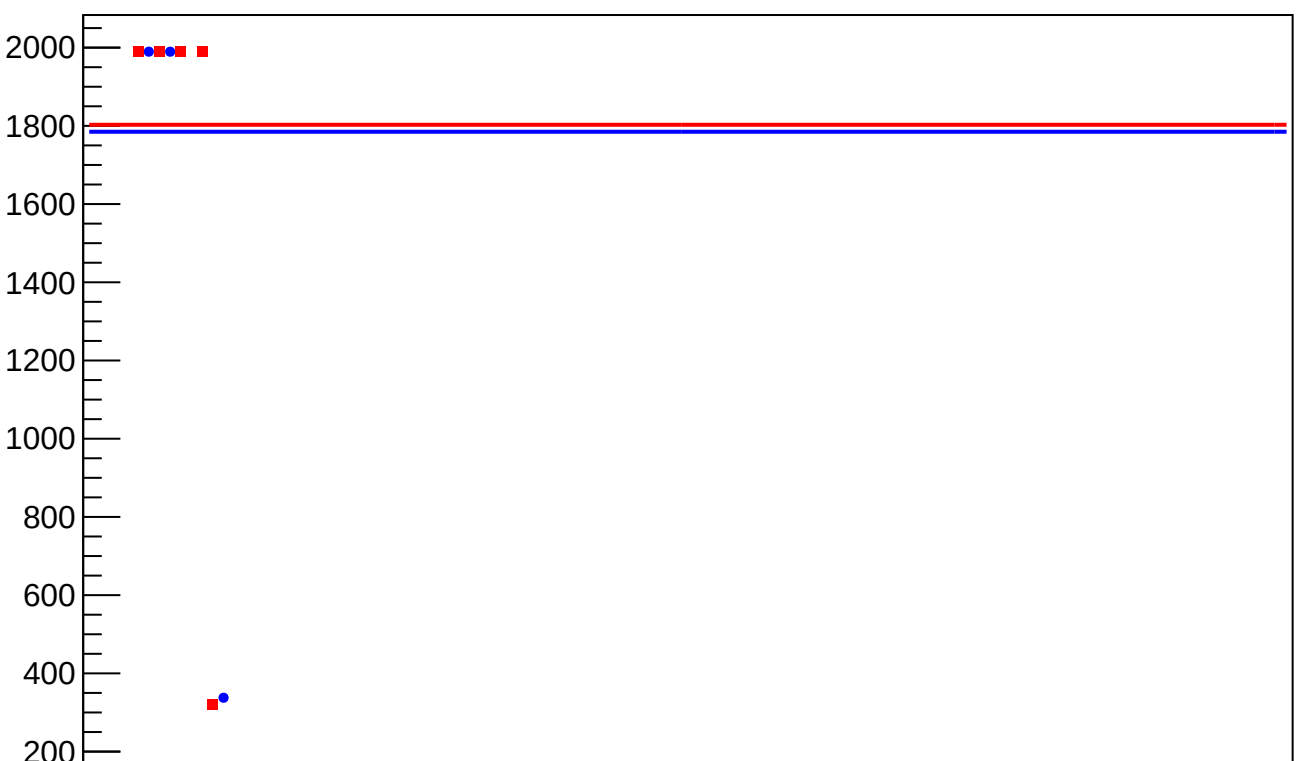
Right: 0.581+/-0.000 χ^2/NDF: 10670080.6/52

In: 0.534+/-0.000 χ^2/NDF:6592000.6/46

Out: 0.517+/-0.000 χ^2/NDF:7566828.0/53

All: 0.525+/-0.000 χ^2/NDF: 14185136.1/100

yield_cav4dQ_mean vs Slug, Sign Corrected



Right In: 1784.922+/-0.000 χ^2/NDF: 198961522269534.5/23

Left Out: 137.578+/-0.000 χ^2/NDF:64111345.2/24

Right Out: 1802.746+/-0.000 χ^2/NDF: 215483081759631.6/28

Left In: 137.349+/-0.000 χ^2/NDF:248752254.7/22

Left: 137.469+/-0.000 χ^2/NDF: 315189054.5/47

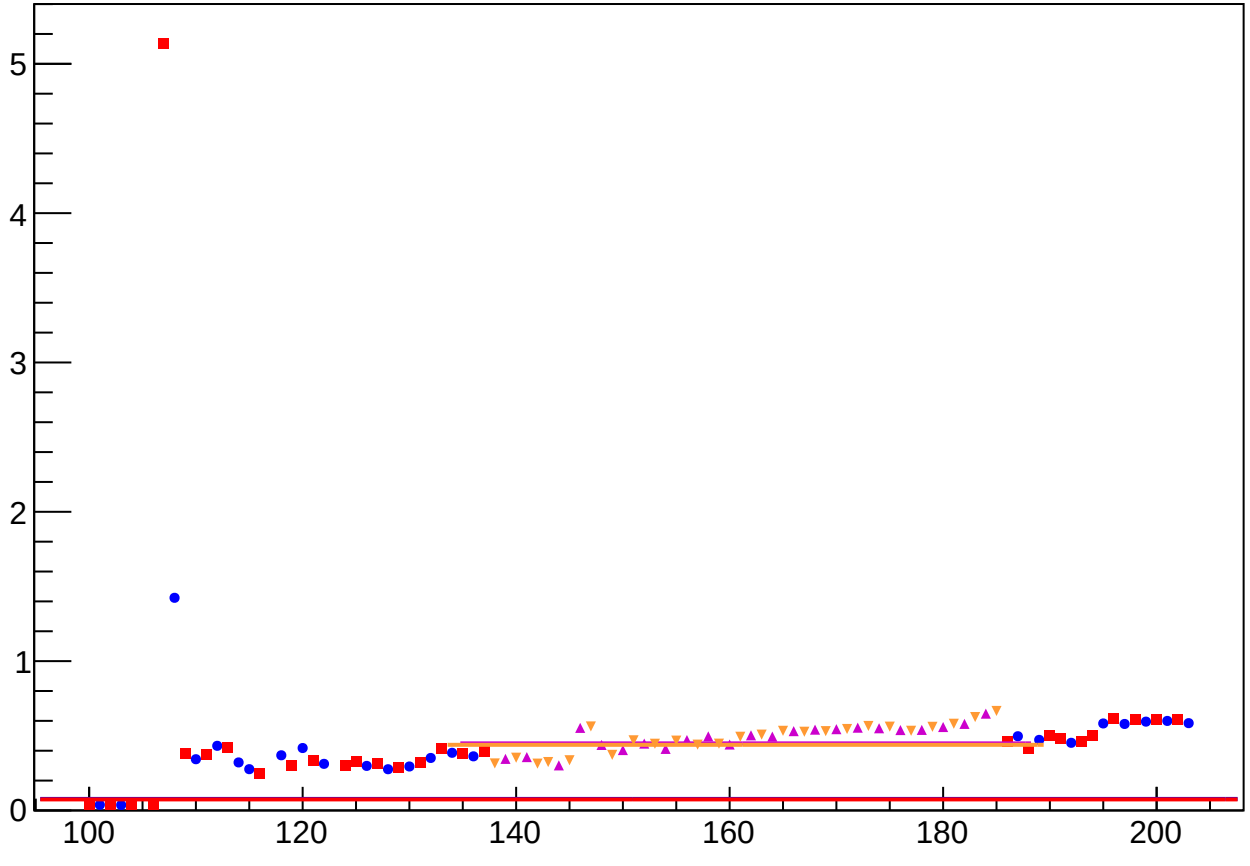
Right: 1794.543+/-0.000 χ^2/NDF: 41454567426691

In: 1577.518+/-0.000 χ^2/NDF:400367096655328.

Out: 1605.568+/-0.000 χ^2/NDF:442439070276031

All: 1592.599+/-0.000 χ^2/NDF: 8430913945

yield_cav4dQ_rms vs Slug, Sign Corrected



Right In: 0.077+/-0.000 χ^2/NDF: 16763548.3/23

Left Out: 0.440+/-0.000 χ^2/NDF:1765604.0/24

Right Out: 0.074+/-0.000 χ^2/NDF: 18177203.4/28

Left In: 0.449+/-0.000 χ^2/NDF:1340860.2/22

Left: 0.444+/-0.000 χ^2/NDF: 3114822.4/47

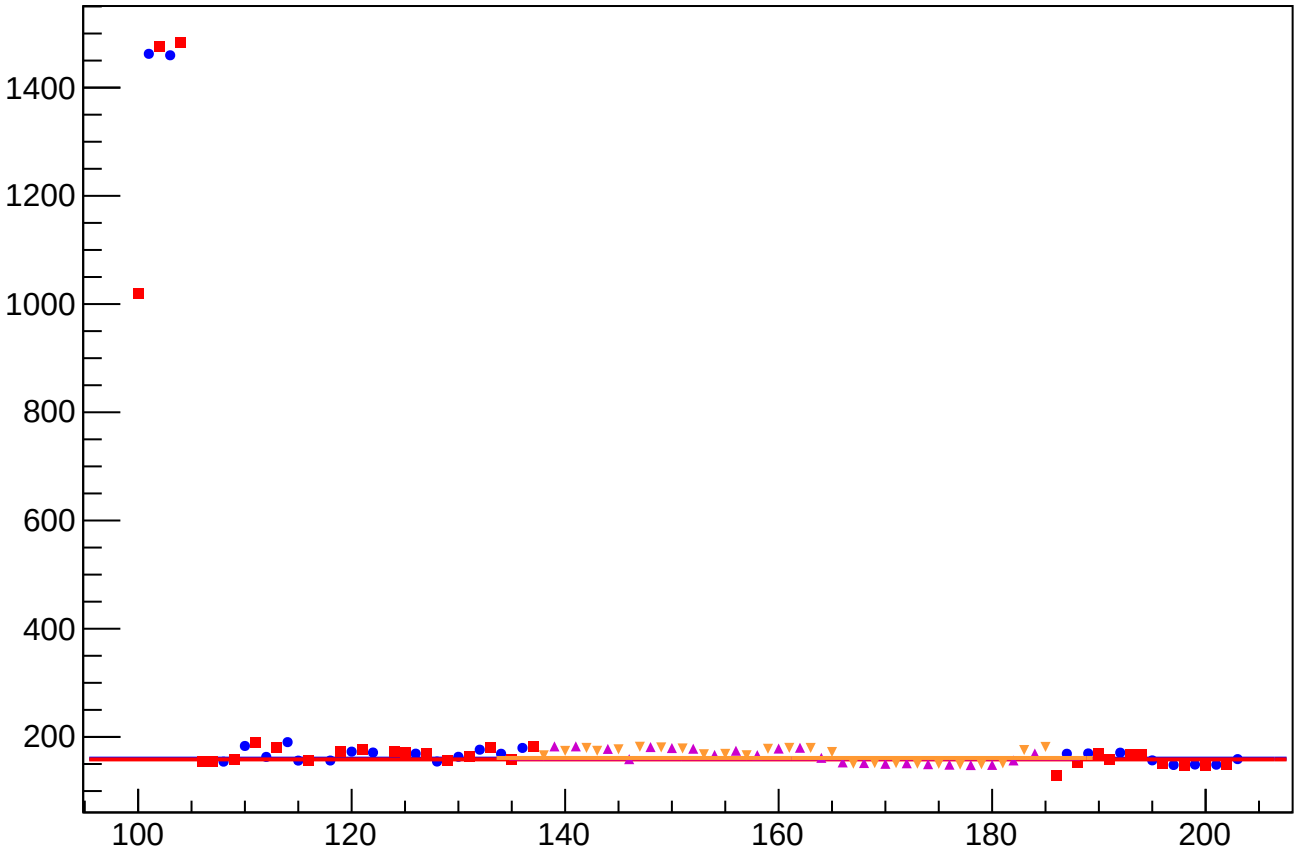
Right: 0.075+/-0.000 χ^2/NDF: 34947565.2/52

In: 0.124+/-0.000 χ^2/NDF:38641239.1/46

Out: 0.117+/-0.000 χ^2/NDF:41821412.4/53

All: 0.120+/-0.000 χ^2/NDF: 80496314.0/100

yield_bcm0l02_mean vs Slug, Sign Corrected



Right In: 159.899+/-0.000 χ^2/NDF: 15735390759.2/23

Left Out: 161.147+/-0.000 χ^2/NDF:3739064587.8/24

Right Out: 158.478+/-0.000 χ^2/NDF: 18146327733.7/28

Left In: 160.140+/-0.000 χ^2/NDF:3738383186.1/22

Left: 160.653+/-0.000 χ^2/NDF: 7489655459.9/47

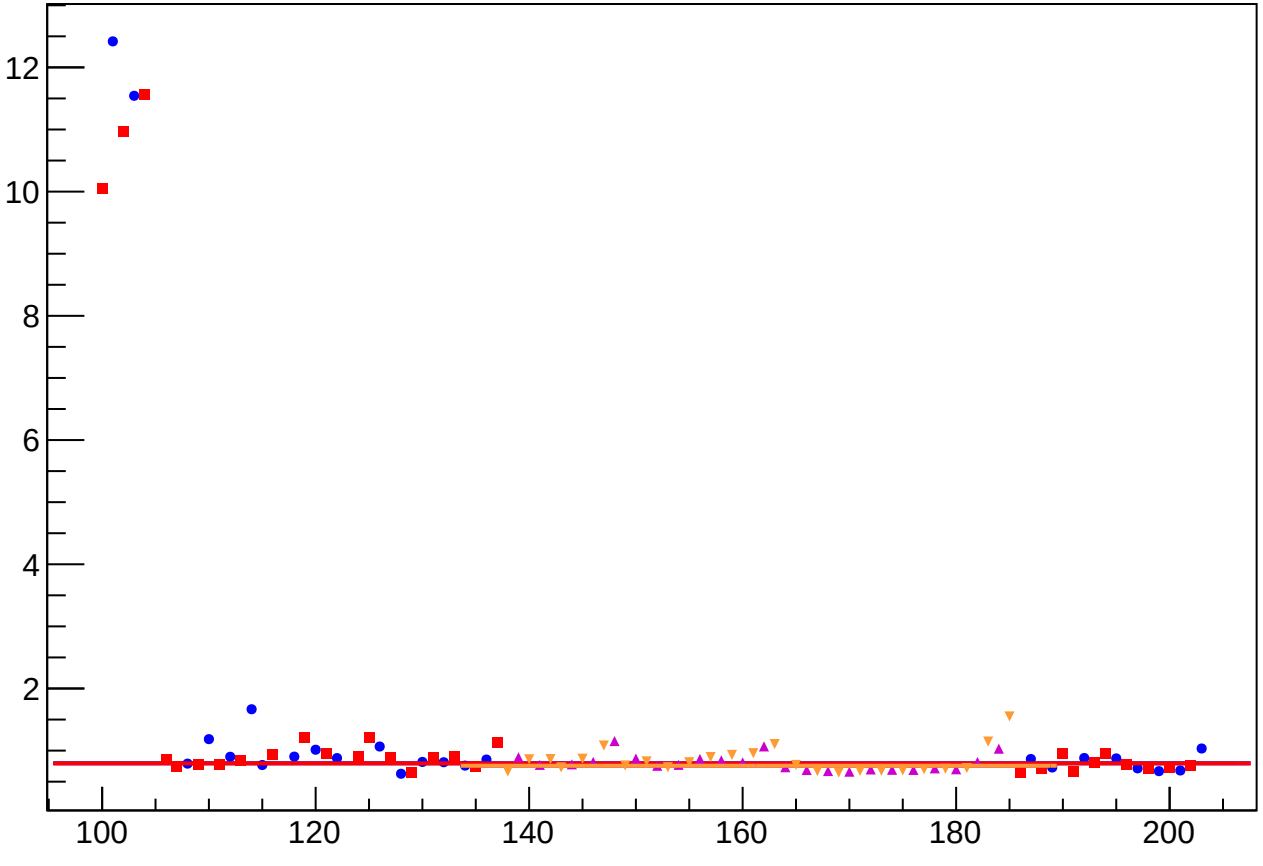
Right: 159.139+/-0.000 χ^2/NDF: 33896593671.0/52

In: 160.051+/-0.000 χ^2/NDF:19474275796.6/46

Out: 160.100+/-0.000 χ^2/NDF:21953936548.8/53

All: 160.076+/-0.000 χ^2/NDF: 41428258210.

yield_bcm0l02_rms vs Slug, Sign Corrected



Right In: 0.796+/-0.000 χ^2/NDF: 2558808.4/23

Left Out: 0.756+/-0.000 χ^2/NDF:750259.3/24

Right Out: 0.794+/-0.000 χ^2/NDF: 2427228.3/28

Left In: 0.755+/-0.000 χ^2/NDF:472792.1/22

Left: 0.756+/-0.000 χ^2/NDF: 1223069.5/47

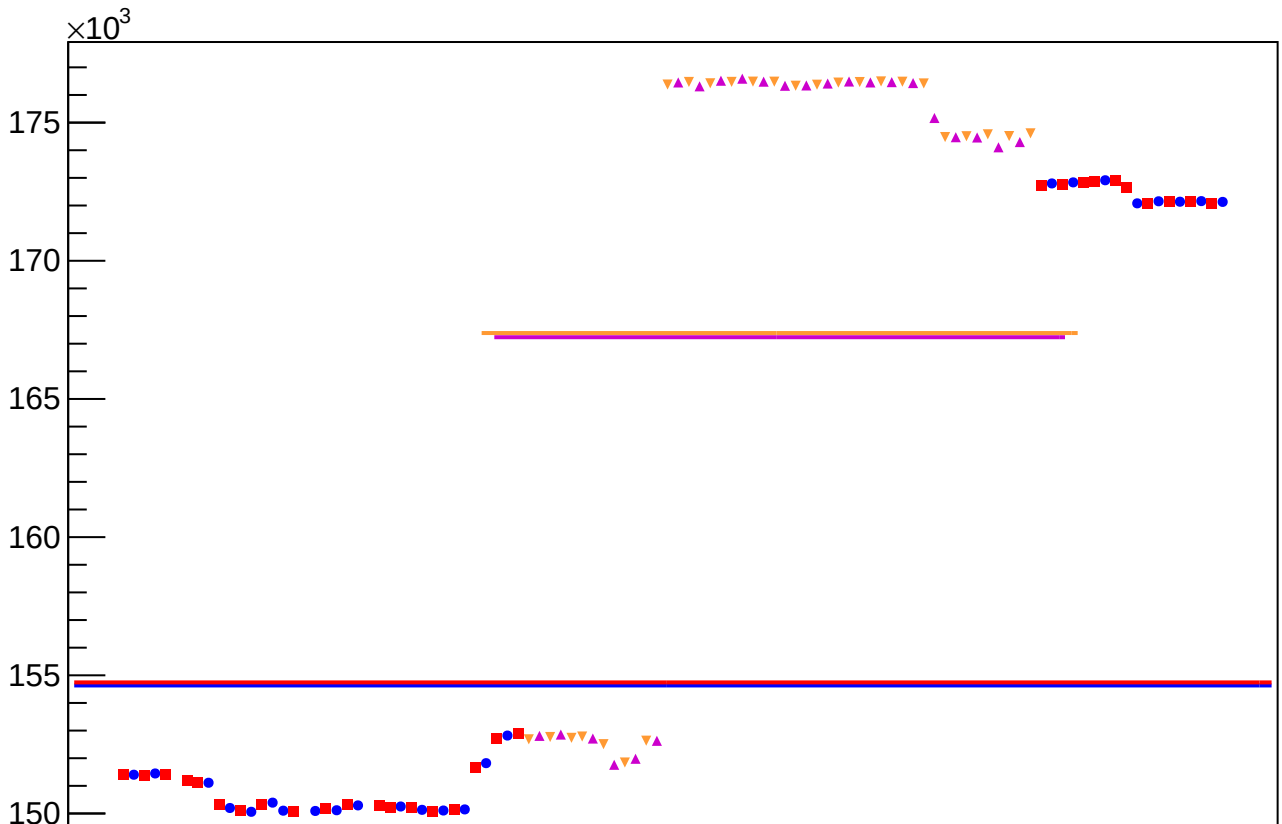
Right: 0.795+/-0.000 χ^2/NDF: 4986091.8/52

In: 0.770+/-0.000 χ^2/NDF:3060406.2/46

Out: 0.771+/-0.000 χ^2/NDF:3205131.2/53

All: 0.771+/-0.000 χ^2/NDF: 6265558.9/100

yield_bpm2i01WS_mean vs Slug, Sign Corrected



Right In: 154633.107+/-0.049 χ^2/NDF: 29933703709.2/23

Left Out: 167385.483+/-0.047 χ^2/NDF:59602607546.2/24

Right Out: 154743.501+/-0.046 χ^2/NDF: 35454072626.1/28

Left In: 167234.214+/-0.049 χ^2/NDF:55099214555.0/22

Left: 167313.229+/-0.034 χ^2/NDF: 114706826739.

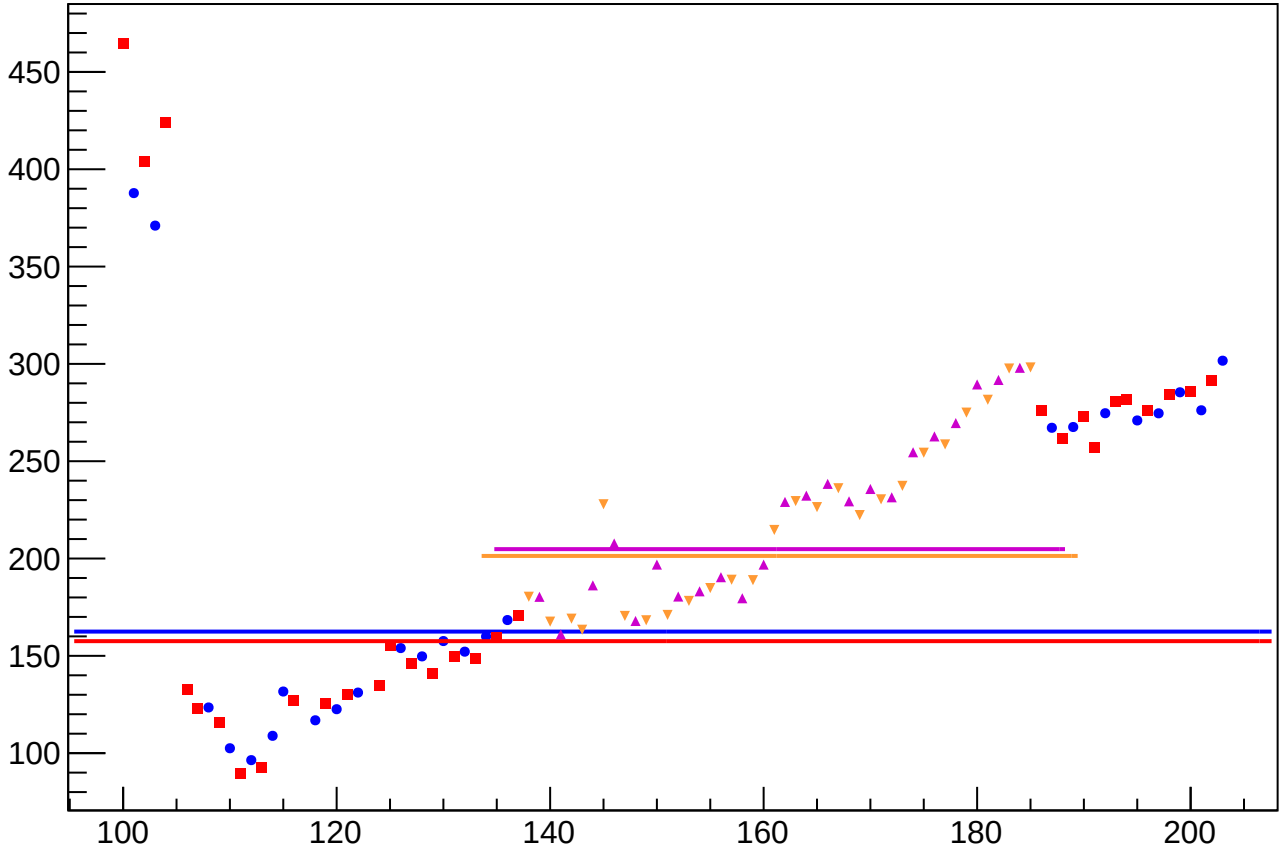
Right: 154692.239+/-0.034 χ^2/NDF: 65390467233.

In: 160982.816+/-0.035 χ^2/NDF:118016437383.9

Out: 160945.146+/-0.033 χ^2/NDF:132337549640.

All: 160962.887+/-0.024 χ^2/NDF: 25035461

yield_bpm2i01WS_rms vs Slug, Sign Corrected



Right In: 162.461+/-0.035 χ^2/NDF: 3968729.1/23

Left Out: 201.329+/-0.033 χ^2/NDF:1230655.6/24

Right Out: 157.544+/-0.032 χ^2/NDF: 4886041.6/28

Left In: 204.826+/-0.035 χ^2/NDF:1053130.7/22

Left: 202.999+/-0.024 χ^2/NDF: 2289136.5/47

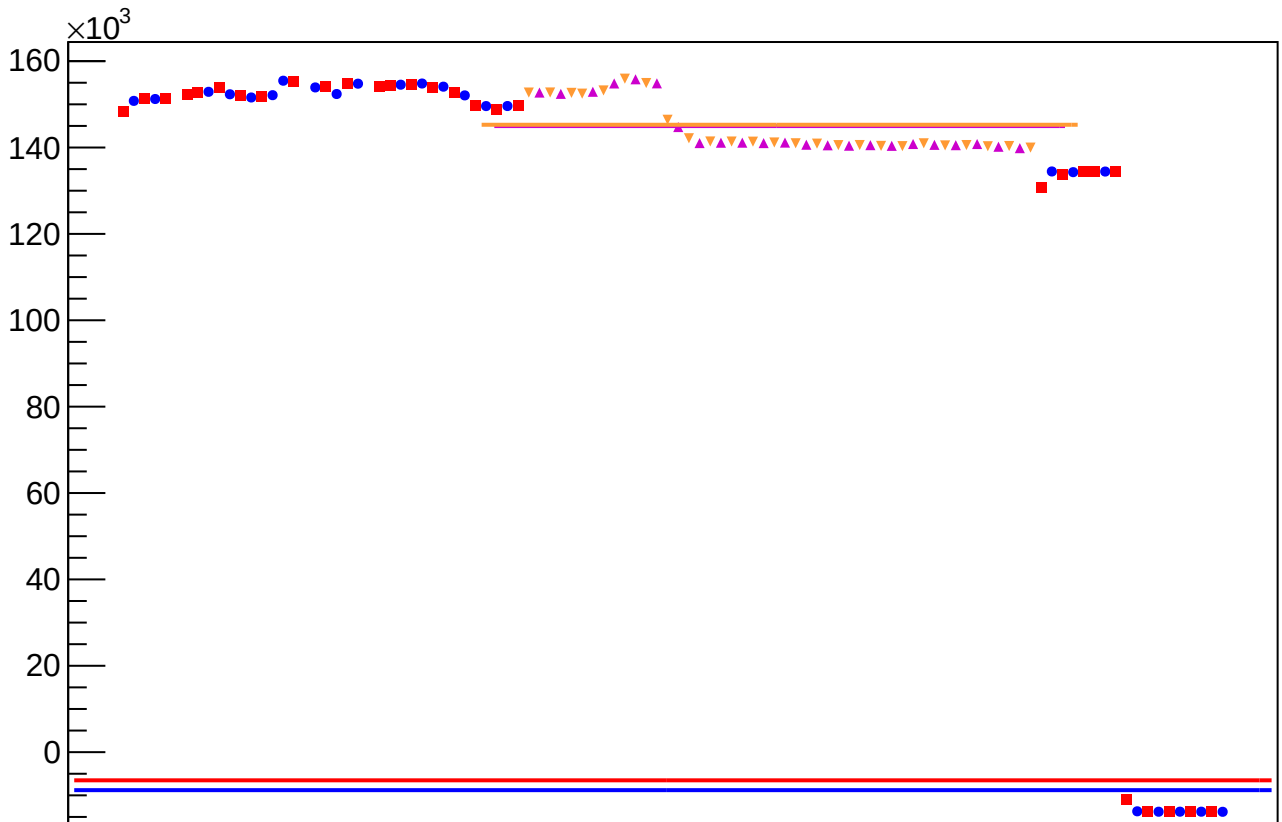
Right: 159.828+/-0.024 χ^2/NDF: 8865446.9/52

In: 183.809+/-0.025 χ^2/NDF:5767477.2/46

Out: 179.023+/-0.023 χ^2/NDF:7011072.3/53

All: 181.277+/-0.017 χ^2/NDF: 12798685.5/10

yield_bpm0i07WS_mean vs Slug, Sign Corrected



Right In: -8797.904+/-0.012 χ^2/NDF: 5802443748044.1/23

Left Out: 145269.857+/-0.049 χ^2/NDF:13706269279.5/24

Right Out: -6521.519+/-0.012 χ^2/NDF: 6992198416884.8/28

Left In: 144966.398+/-0.051 χ^2/NDF:13154547043.3/22

Left: 145123.606+/-0.036 χ^2/NDF: 26879011850.5

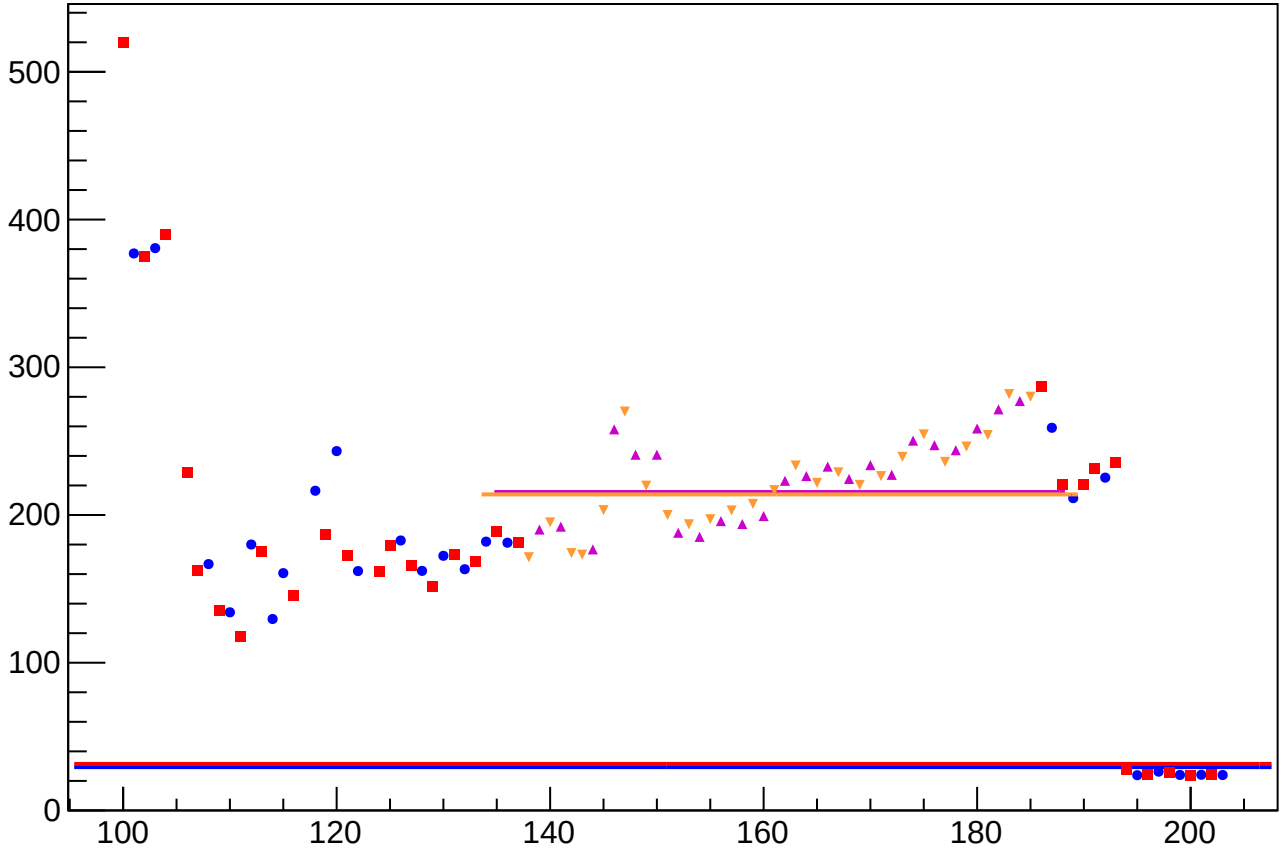
Right: -7735.495+/-0.009 χ^2/NDF: 1281240029025

In: -1205.289+/-0.011 χ^2/NDF:14388084769572.7

Out: 2582.023+/-0.012 χ^2/NDF:15885621128644.

All: 572.852+/-0.008 χ^2/NDF: 303257234371

yield_bpm0i07WS_rms vs Slug, Sign Corrected



Right In: 29.347+/-0.008 χ^2/NDF: 12516762.1/23

Left Out: 213.951+/-0.035 χ^2/NDF:650607.8/24

Right Out: 31.504+/-0.009 χ^2/NDF: 14104825.3/28

Left In: 215.539+/-0.036 χ^2/NDF:600575.7/22

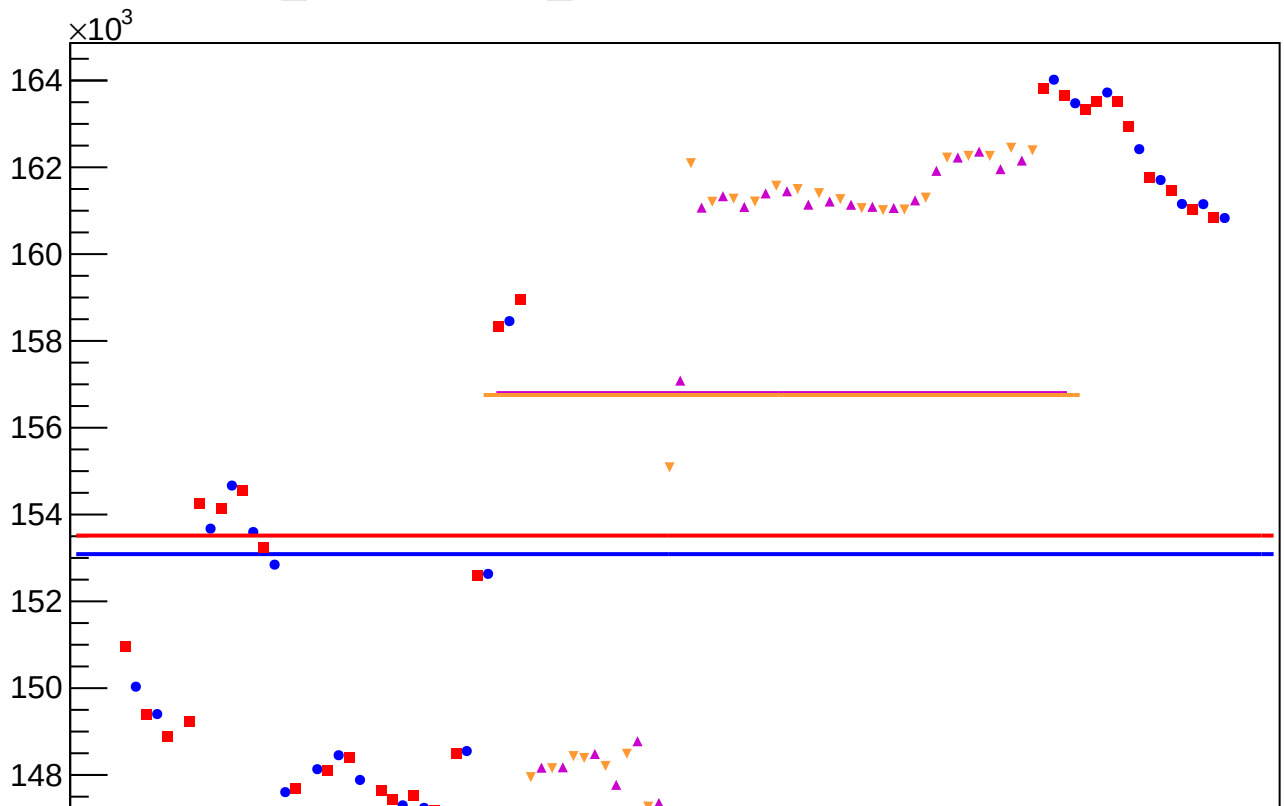
Left: 214.716+/-0.025 χ^2/NDF: 1252179.3/47

Right: 30.354+/-0.006 χ^2/NDF: 26653503.6/52

In: 38.540+/-0.008 χ^2/NDF:38256331.9/46

Out: 42.447+/-0.009 χ^2/NDF:40412477.1/53

All: 40.374+/-0.006 χ^2/NDF: 78779475.7/100



Right In: 153087.879+/-0.056 χ^2/NDF: 10140353586.7/23

Left Out: 156754.233+/-0.049 χ^2/NDF:16380807583.4/24

Right Out: 153515.305+/-0.053 χ^2/NDF: 11282540063.7/28

Left In: 156798.005+/-0.051 χ^2/NDF:14344098884.4/22

Left: 156775.103+/-0.035 χ^2/NDF: 30725292627.5

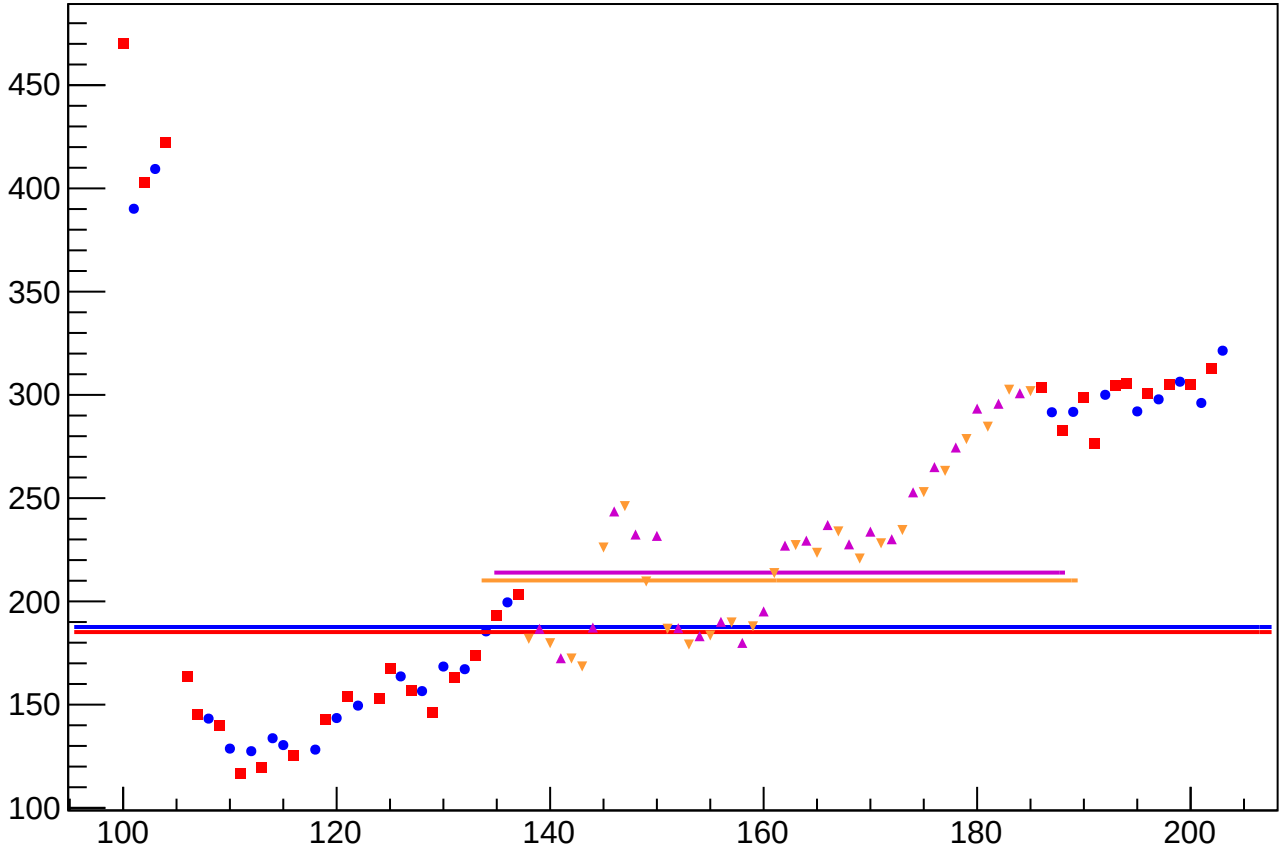
Right: 153313.102+/-0.039 χ^2/NDF: 21453571218.

In: 155118.275+/-0.038 χ^2/NDF:26885038131.7/4

Out: 155275.843+/-0.036 χ^2/NDF:29687383329.9

All: 155200.982+/-0.026 χ^2/NDF: 56581594

yield_bpm0i01WS_rms vs Slug, Sign Corrected



Right In: 187.592+/-0.040 χ^2/NDF: 3327596.0/23

Left Out: 210.142+/-0.034 χ^2/NDF:997802.7/24

Right Out: 185.142+/-0.038 χ^2/NDF: 3923461.9/28

Left In: 213.945+/-0.036 χ^2/NDF:914465.3/22

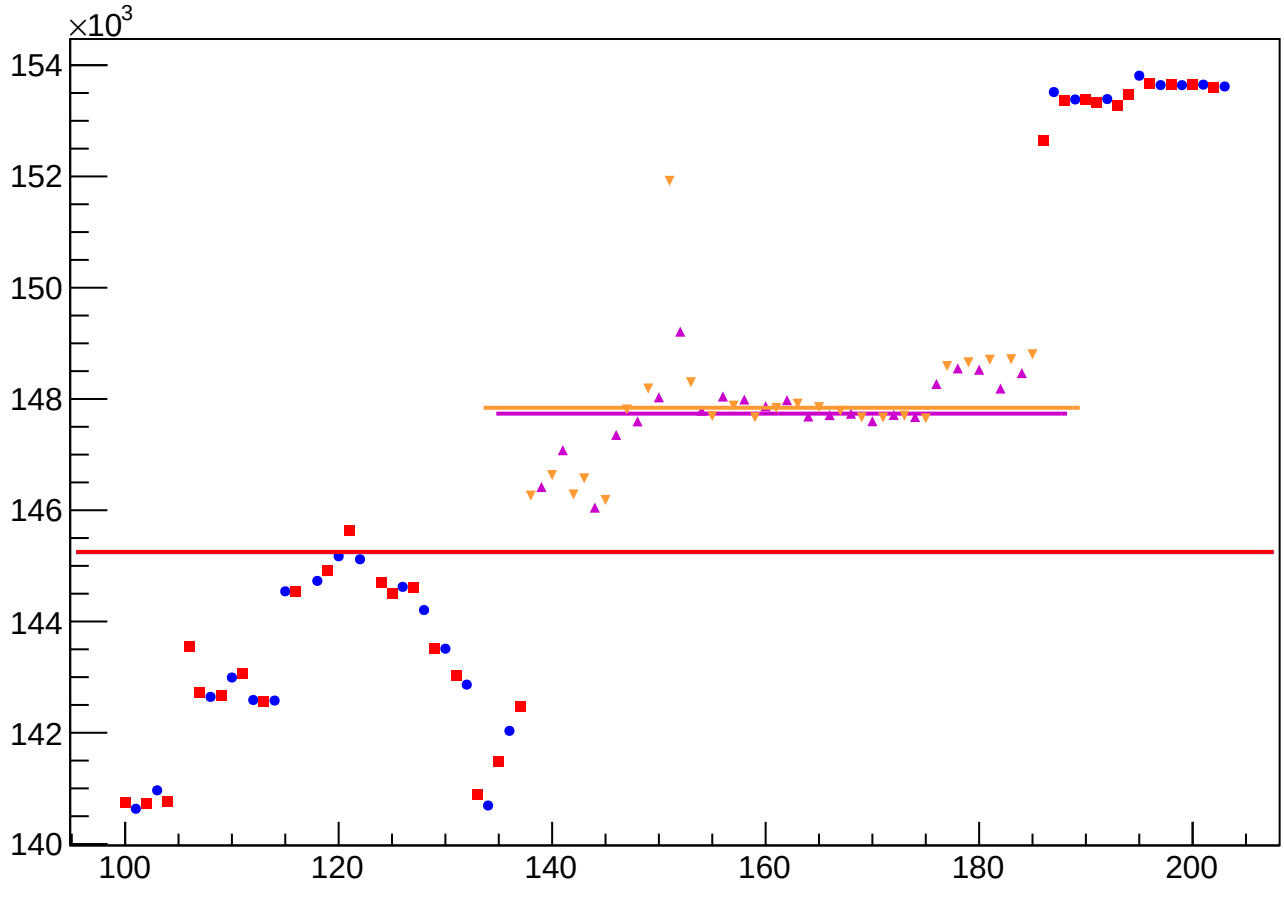
Left: 211.955+/-0.025 χ^2/NDF: 1918098.0/47

Right: 186.301+/-0.027 χ^2/NDF: 7253073.6/52

In: 202.014+/-0.027 χ^2/NDF:4484289.8/46

Out: 198.731+/-0.025 χ^2/NDF:5162428.7/53

All: 200.291+/-0.018 χ^2/NDF: 9654682.7/100



Right In: 145246.539+/-0.048 χ^2/NDF: 7575787452.0/23

Left Out: 147842.157+/-0.045 χ^2/NDF:713066054.2/24

Right Out: 145251.143+/-0.045 χ^2/NDF: 8708697845.2/28

Left In: 147736.722+/-0.047 χ^2/NDF:227077133.0/22

Left: 147791.782+/-0.033 χ^2/NDF: 942750848.6/47

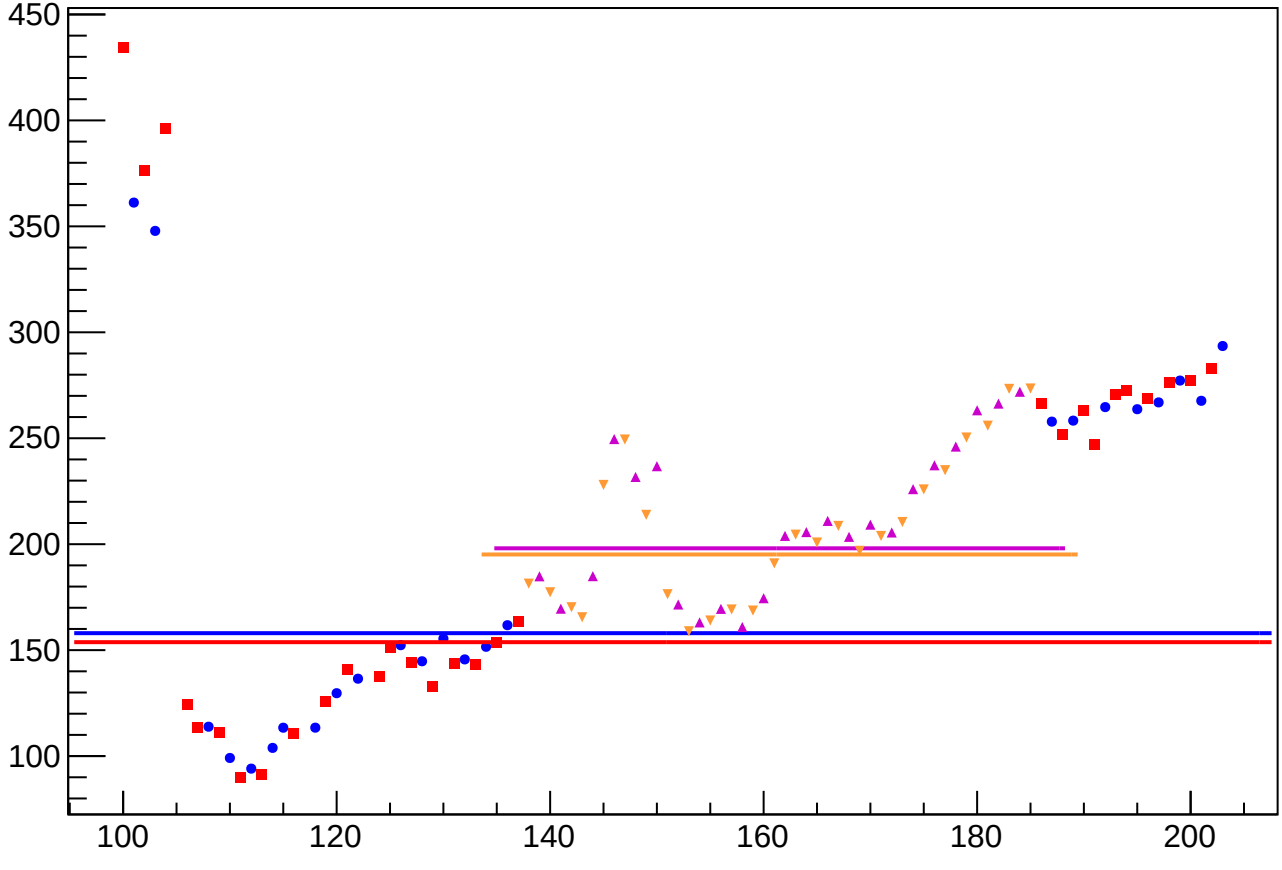
Right: 145249.002+/-0.033 χ^2/NDF: 16284490241.4

In: 146509.990+/-0.034 χ^2/NDF:9175022972.2/46

Out: 146532.713+/-0.032 χ^2/NDF:11087526850.5

All: 146522.001+/-0.023 χ^2/NDF: 20262791

yield_bpm0i01aWS_rms vs Slug, Sign Corrected



Right In: 158.008+/-0.034 χ^2/NDF: 3912736.0/23

Left Out: 195.145+/-0.032 χ^2/NDF:903994.2/24

Right Out: 153.762+/-0.032 χ^2/NDF: 4750927.4/28

Left In: 198.057+/-0.033 χ^2/NDF:900359.1/22

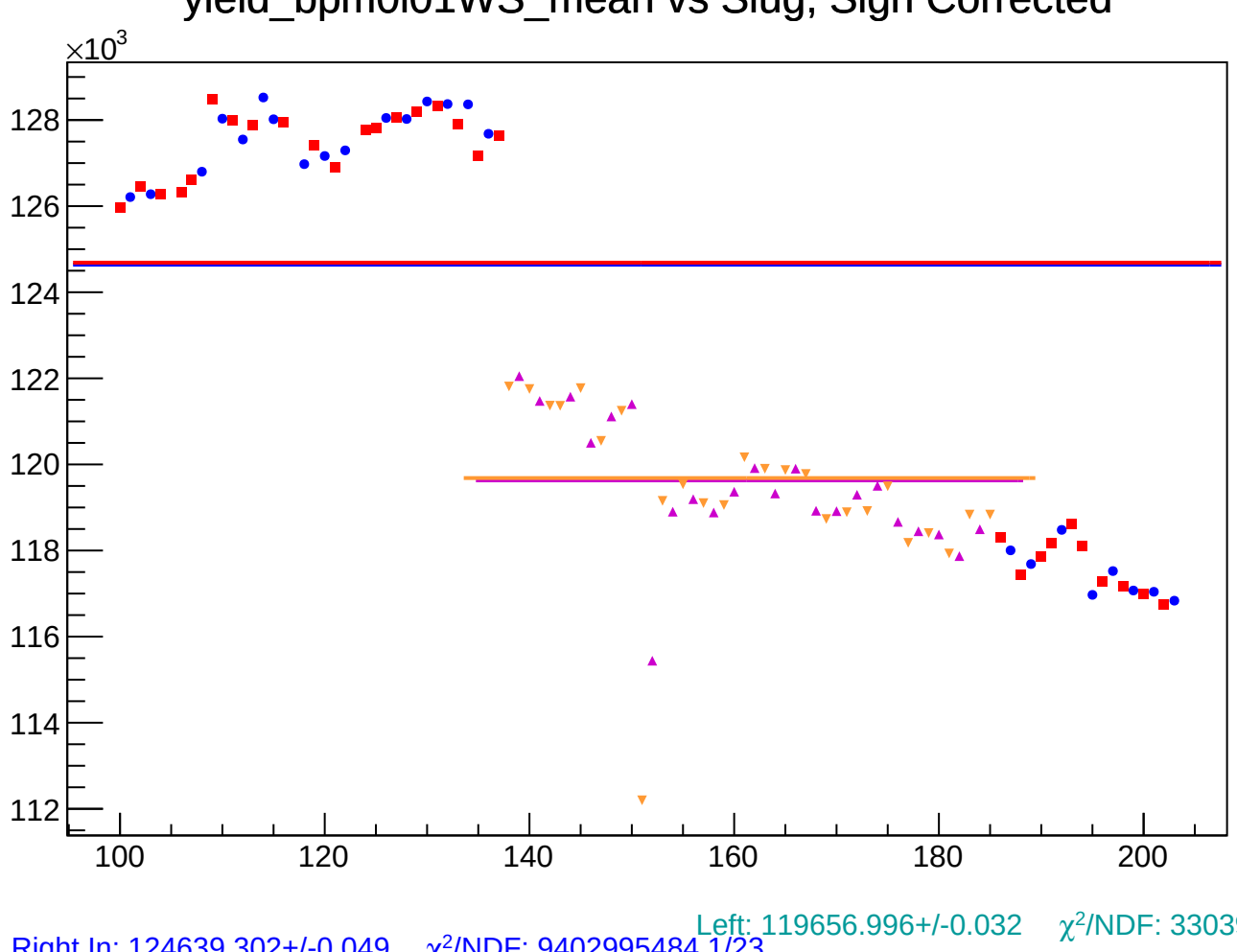
Left: 196.536+/-0.023 χ^2/NDF: 1808329.6/47

Right: 155.737+/-0.023 χ^2/NDF: 8672074.3/52

In: 178.328+/-0.024 χ^2/NDF:5522914.0/46

Out: 174.231+/-0.022 χ^2/NDF:6504783.8/53

All: 176.162+/-0.016 χ^2/NDF: 12043402.3/10



Right In: 124639.302+/-0.049 χ^2/NDF: 9402995484.1/23

Left Out: 119683.519+/-0.044 χ^2/NDF:1985993997.6/24

Right Out: 124686.892+/-0.046 χ^2/NDF: 10470416387.1/28

Left In: 119629.600+/-0.045 χ^2/NDF:1317214801.7/22

Left: 119656.996+/-0.032 χ^2/NDF: 3303938698.8/4

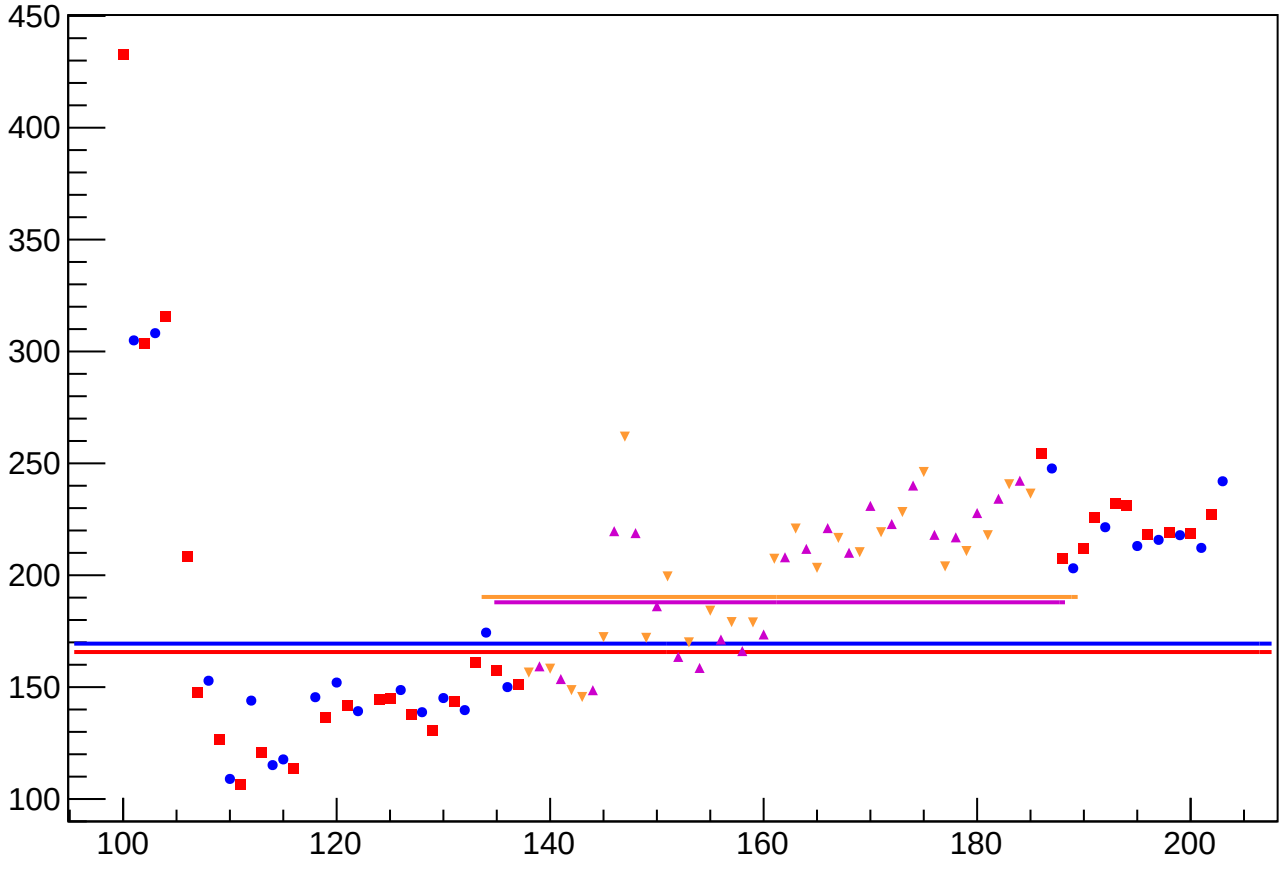
Right: 124664.587+/-0.034 χ^2/NDF: 19873913782.5

In: 121922.760+/-0.033 χ^2/NDF:16396776930.9/4

Out: 122089.716+/-0.032 χ^2/NDF:18600905858.6

All: 122009.410+/-0.023 χ^2/NDF: 350108655

yield_bpm0l01WS_rms vs Slug, Sign Corrected



Right In: 169.440+/-0.035 χ^2/NDF: 1714718.8/23

Left Out: 190.298+/-0.031 χ^2/NDF:924542.3/24

Right Out: 165.684+/-0.033 χ^2/NDF: 2324999.9/28

Left In: 187.909+/-0.032 χ^2/NDF:926037.0/22

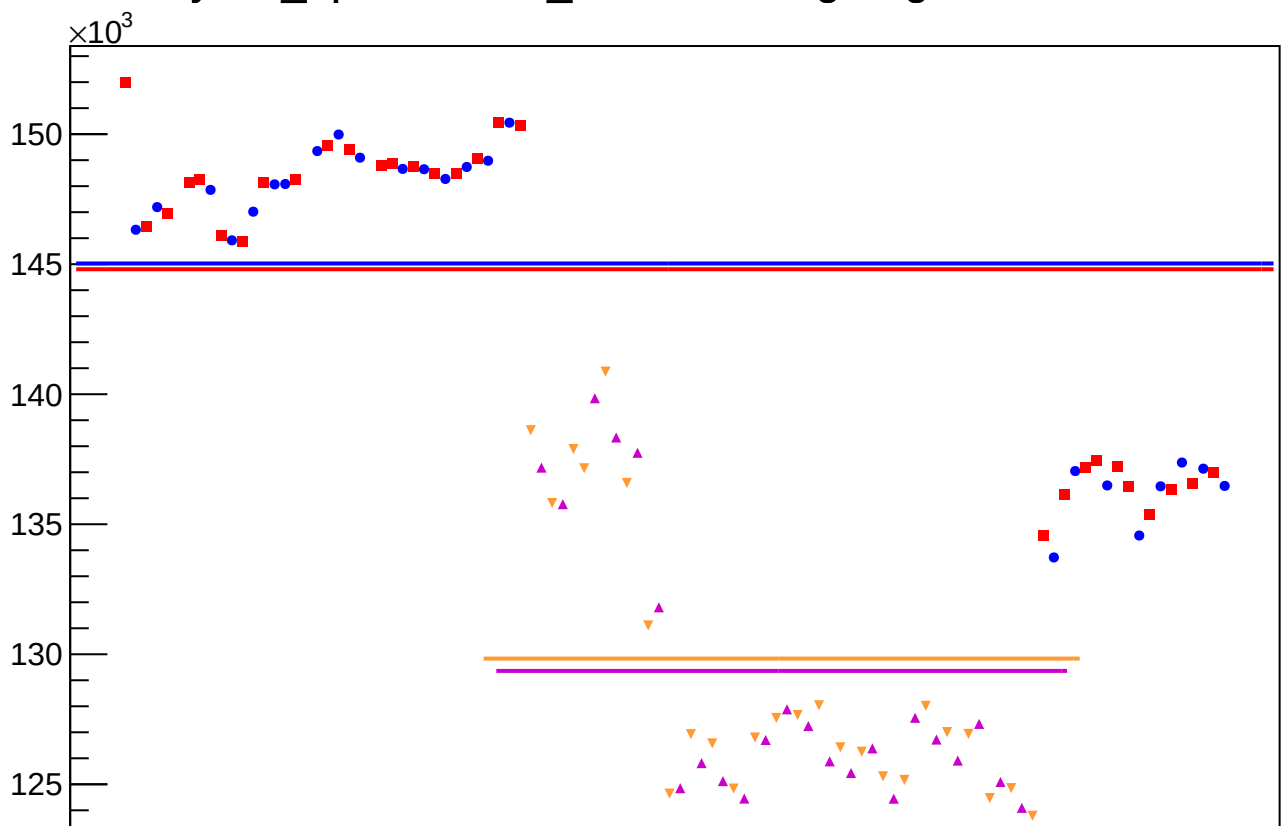
Left: 189.123+/-0.022 χ^2/NDF: 1853444.5/47

Right: 167.445+/-0.024 χ^2/NDF: 4045969.9/52

In: 179.455+/-0.023 χ^2/NDF:2795059.1/46

Out: 178.461+/-0.023 χ^2/NDF:3546931.2/53

All: 178.939+/-0.016 χ^2/NDF: 6342924.9/100



Right In: 145027.436+/-0.069 χ^2/NDF: 6598850380.7/23

Left Out: 129834.437+/-0.064 χ^2/NDF:6793515279.7/24

Right Out: 144805.405+/-0.064 χ^2/NDF: 7381644565.4/28

Left In: 129360.487+/-0.065 χ^2/NDF:6626094577.9/22

Left: 129601.685+/-0.046 χ^2/NDF: 13446375271.9

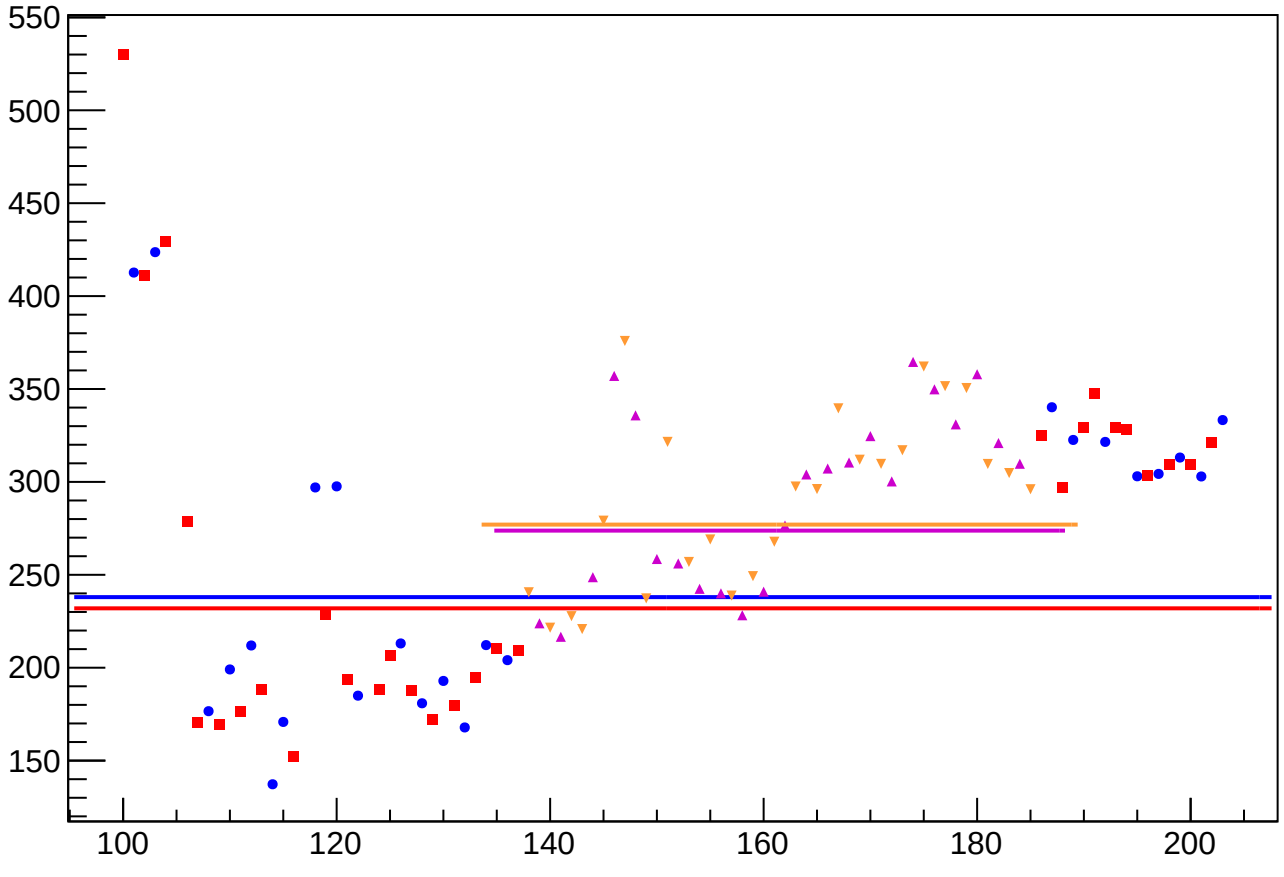
Right: 144908.661+/-0.047 χ^2/NDF: 13986013241.

In: 136754.310+/-0.047 χ^2/NDF:40346888936.4/4

Out: 137290.001+/-0.045 χ^2/NDF:41257010426.5

All: 137033.701+/-0.033 χ^2/NDF: 816702598

yield_bpm0l02WS_rms vs Slug, Sign Corrected



Right In: 237.991+/-0.049 χ^2/NDF: 1972218.6/23

Left Out: 277.021+/-0.045 χ^2/NDF:946602.2/24

Right Out: 231.954+/-0.046 χ^2/NDF: 2306885.7/28

Left In: 273.784+/-0.046 χ^2/NDF:1003910.6/22

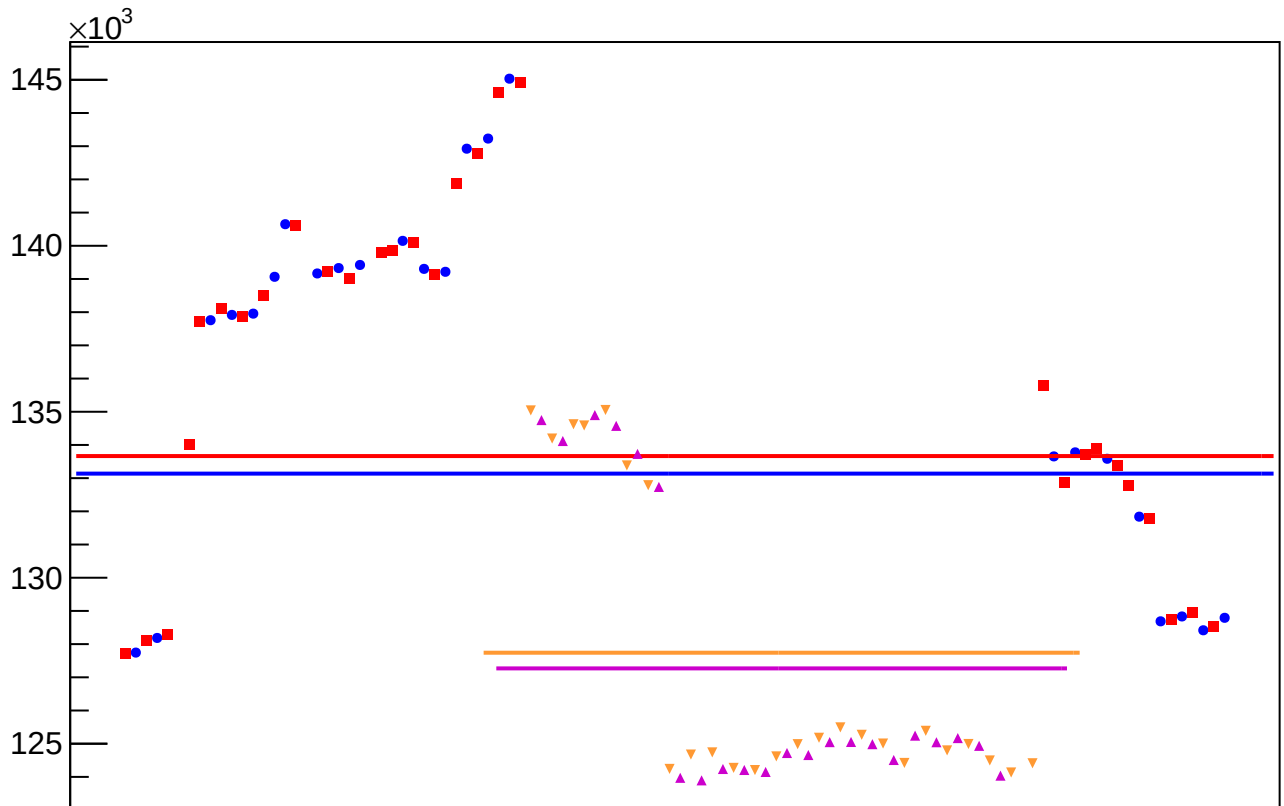
Left: 275.432+/-0.032 χ^2/NDF: 1953009.0/47

Right: 234.762+/-0.033 χ^2/NDF: 4287263.3/52

In: 256.892+/-0.034 χ^2/NDF:3259259.3/46

Out: 254.578+/-0.032 χ^2/NDF:3744303.9/53

All: 255.685+/-0.023 χ^2/NDF: 7006041.0/100



Right In: 133136.400+/-0.113 χ^2/NDF: 2465679931.4/23

Left Out: 127741.156+/-0.136 χ^2/NDF:1092529845.6/24

Right Out: 133665.290+/-0.116 χ^2/NDF: 1599178255.6/28

Left In: 127268.542+/-0.139 χ^2/NDF:971404491.0/22

Left: 127510.062+/-0.097 χ^2/NDF: 2069876354.9/4

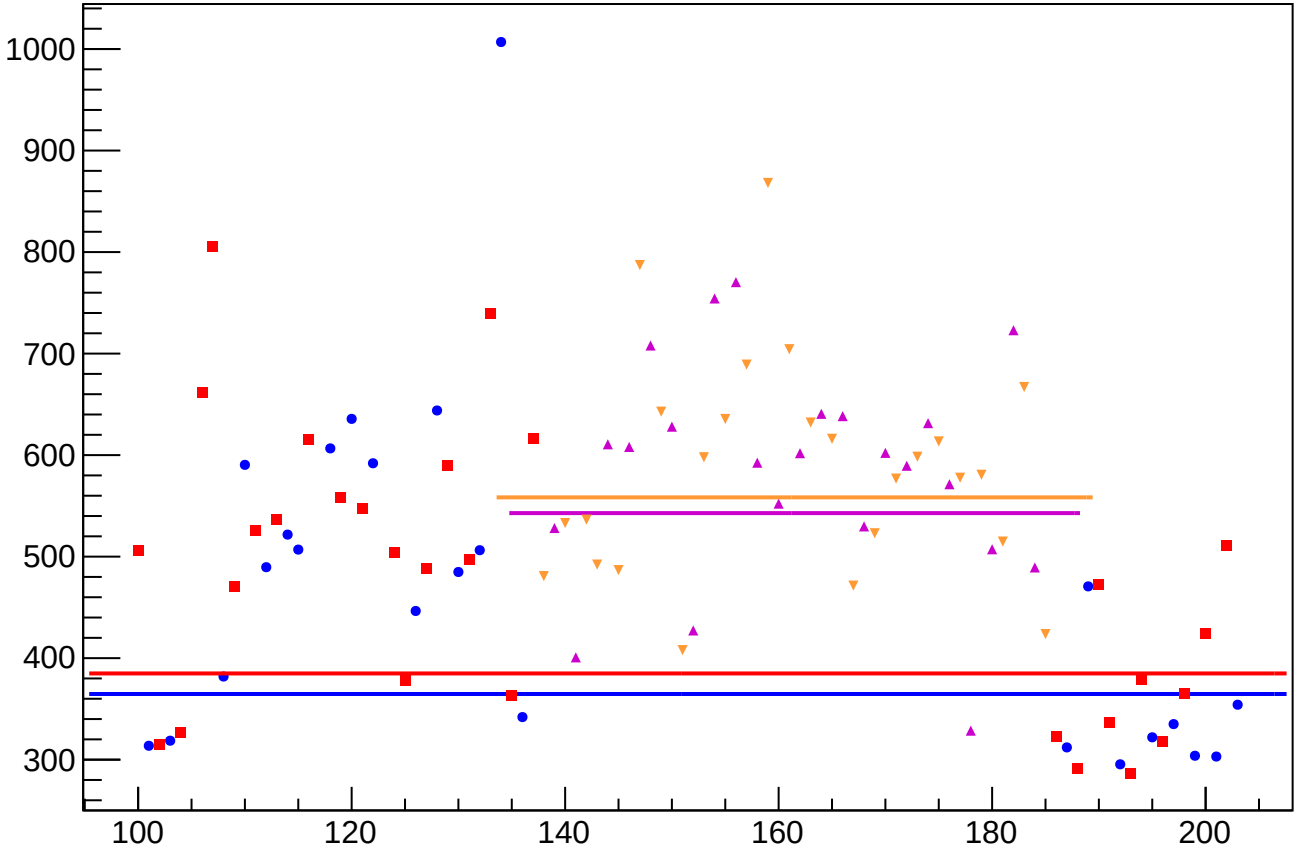
Right: 133395.122+/-0.081 χ^2/NDF: 4075516006.4/

In: 130785.700+/-0.088 χ^2/NDF:4511432388.8/46

Out: 131166.691+/-0.088 χ^2/NDF:3795764453.0/5

All: 130975.496+/-0.062 χ^2/NDF: 83165931

yield_bpm0l03WS_rms vs Slug, Sign Corrected



Right In: 364.683+/-0.080 χ^2/NDF: 1480892.6/23

Left Out: 558.373+/-0.096 χ^2/NDF:968289.3/24

Right Out: 384.939+/-0.082 χ^2/NDF: 1598059.4/28

Left In: 542.872+/-0.098 χ^2/NDF:1416690.9/22

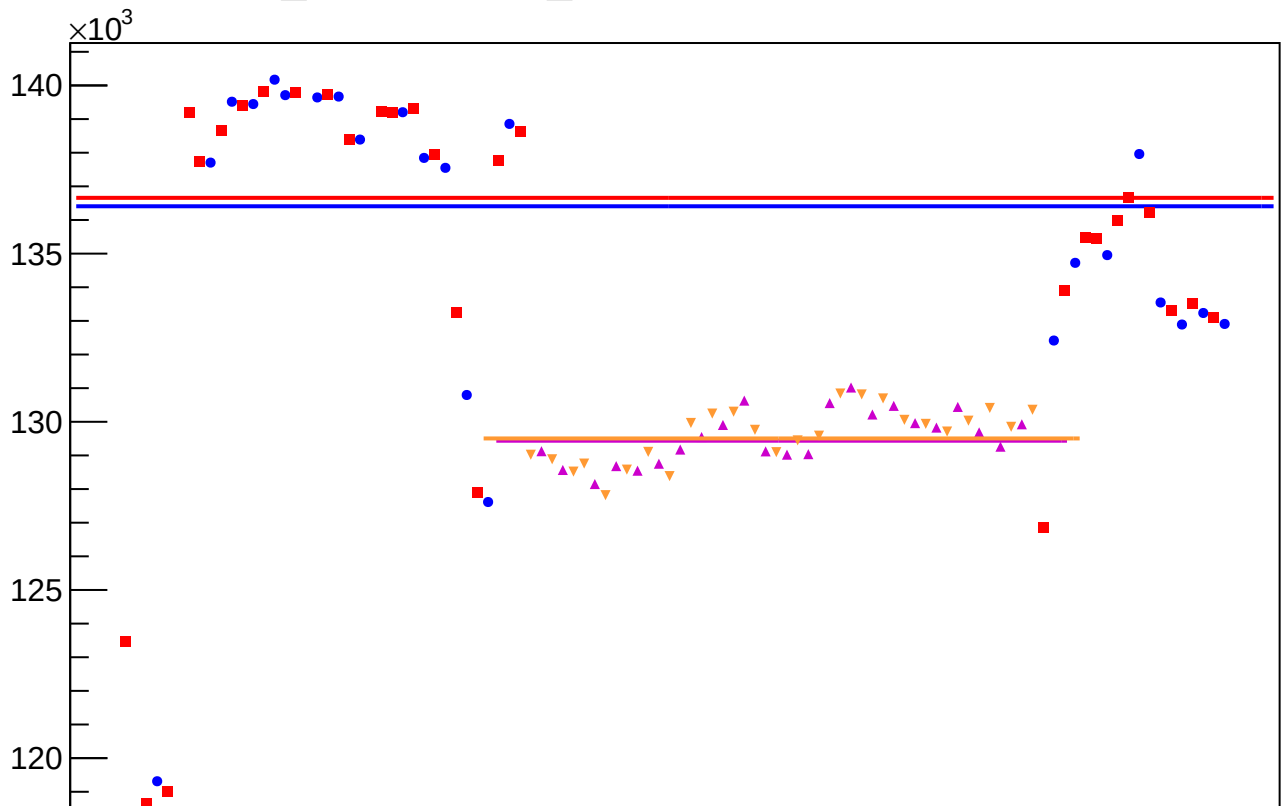
Left: 550.793+/-0.069 χ^2/NDF: 2397764.2/47

Right: 374.592+/-0.057 χ^2/NDF: 3110217.0/52

In: 436.067+/-0.062 χ^2/NDF:4879005.7/46

Out: 458.087+/-0.062 χ^2/NDF:4458870.5/53

All: 447.037+/-0.044 χ^2/NDF: 9400656.0/100



Right In: 136407.802+/-0.062 χ^2/NDF: 6261293186.8/23

Left Out: 129504.922+/-0.047 χ^2/NDF:299464438.2/24

Right Out: 136658.425+/-0.058 χ^2/NDF: 6551498010.0/28

Left In: 129437.551+/-0.048 χ^2/NDF:269025464.3/22

Left: 129472.248+/-0.034 χ^2/NDF: 569486507.5/47

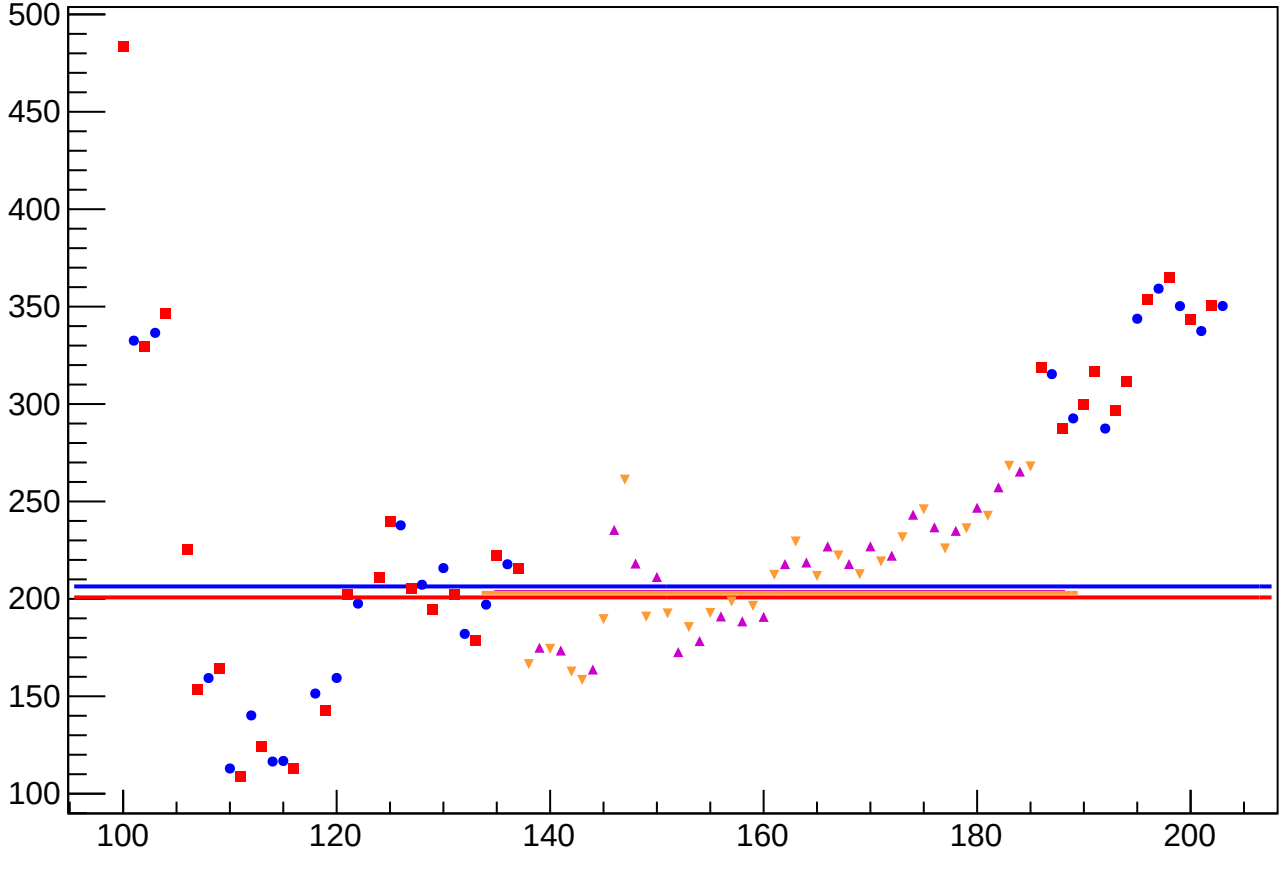
Right: 136541.716+/-0.042 χ^2/NDF: 12821534986.

In: 132081.349+/-0.038 χ^2/NDF:14386847459.5/4

Out: 132349.785+/-0.036 χ^2/NDF:16064580834.1

All: 132221.613+/-0.026 χ^2/NDF: 30477290

yield_bpm0l04WS_rms vs Slug, Sign Corrected



Right In: 206.377+/-0.044 χ^2/NDF: 3325424.5/23

Left Out: 203.129+/-0.033 χ^2/NDF:758448.5/24

Right Out: 200.745+/-0.041 χ^2/NDF: 4074567.6/28

Left In: 203.546+/-0.034 χ^2/NDF:666043.6/22

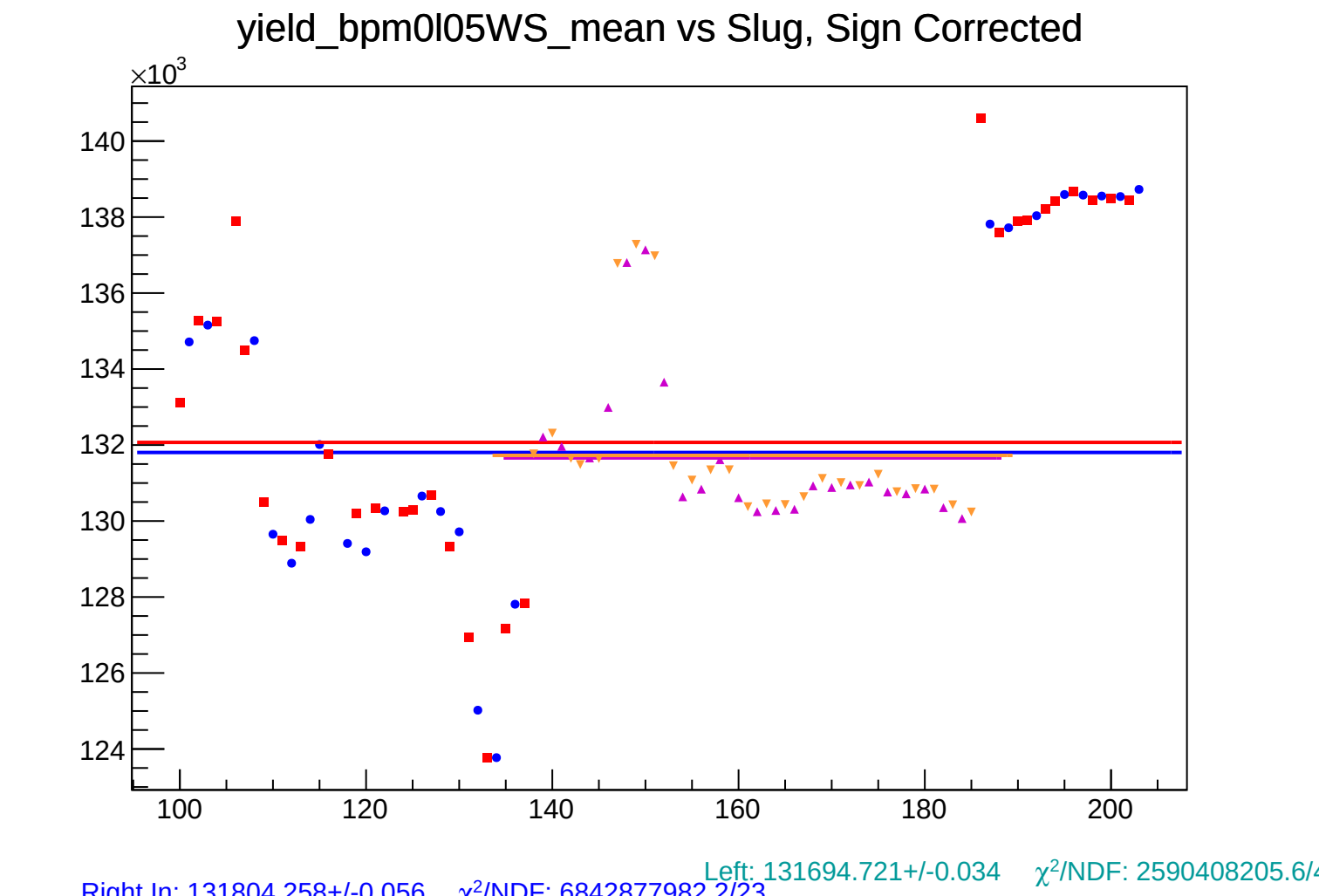
Left: 203.331+/-0.024 χ^2/NDF: 1424568.7/47

Right: 203.368+/-0.030 χ^2/NDF: 7408822.4/52

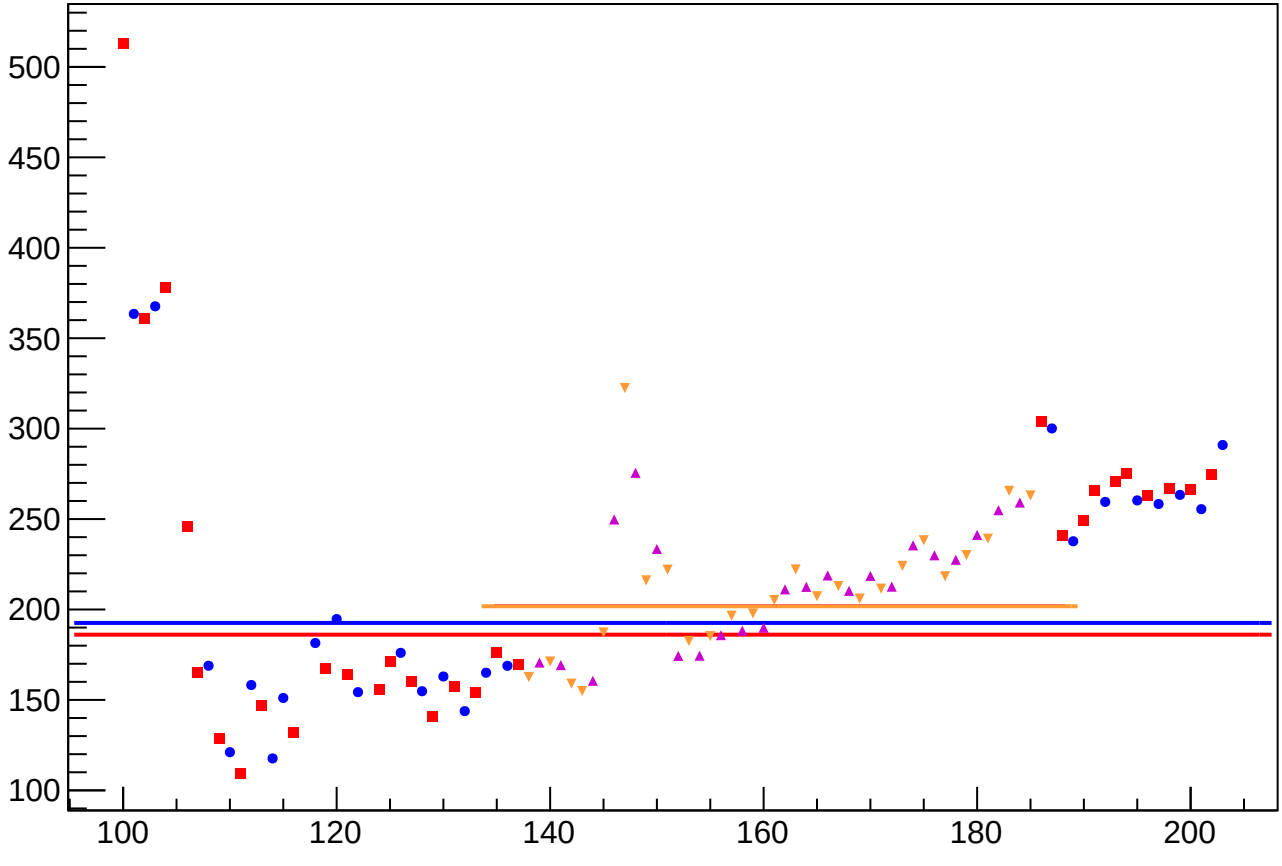
In: 204.620+/-0.027 χ^2/NDF:3994059.5/46

Out: 202.181+/-0.026 χ^2/NDF:4835062.2/53

All: 203.346+/-0.019 χ^2/NDF: 8833392.0/100


yield_bpm0l05WS_mean vs Slug, Sign Corrected
×10^3
140
138
136
134
132
130
128
126
124
100
120
140
160
180
200
Right In: 131804.258+/-0.056 χ²/NDF: 6842877982.2/23
Left Out: 131727.086+/-0.047 χ²/NDF:1425045697.6/24
Right Out: 132069.582+/-0.052 χ²/NDF: 7220355002.8/28
Left In: 131660.490+/-0.048 χ²/NDF:1164380319.7/22
Left: 131694.721+/-0.034 χ²/NDF: 2590408205.6/4
Right: 131946.432+/-0.038 χ²/NDF: 14075108707.
In: 131721.189+/-0.037 χ²/NDF:8011018164.4/46
Out: 131879.052+/-0.035 χ²/NDF:8669118166.3/5
All: 131803.826+/-0.025 χ²/NDF: 16689863

yield_bpm0l05WS_rms vs Slug, Sign Corrected



Right In: 192.585+/-0.040 χ^2/NDF: 2119256.9/23

Left Out: 201.798+/-0.033 χ^2/NDF:905352.1/24

Right Out: 186.079+/-0.037 χ^2/NDF: 2921533.7/28

Left In: 201.947+/-0.034 χ^2/NDF:802700.2/22

Left: 201.870+/-0.024 χ^2/NDF: 1708062.2/47

Right: 189.099+/-0.027 χ^2/NDF: 5055071.8/52

In: 197.994+/-0.026 χ^2/NDF:2953843.0/46

Out: 194.823+/-0.025 χ^2/NDF:3926800.9/53

All: 196.334+/-0.018 χ^2/NDF: 6888493.3/100

Right In: 4162.554+/-0.007 χ^2/NDF: 4965950243223.9/23

Left Out: 129050.458+/-0.045 χ^2/NDF:530879250.1/24

Right Out: 4838.885+/-0.007 χ^2/NDF: 5853820356826.9/28

Left In: 128783.852+/-0.047 χ^2/NDF:655675405.6/22

Left: 128921.210+/-0.033 χ^2/NDF: 1203205446.5/4

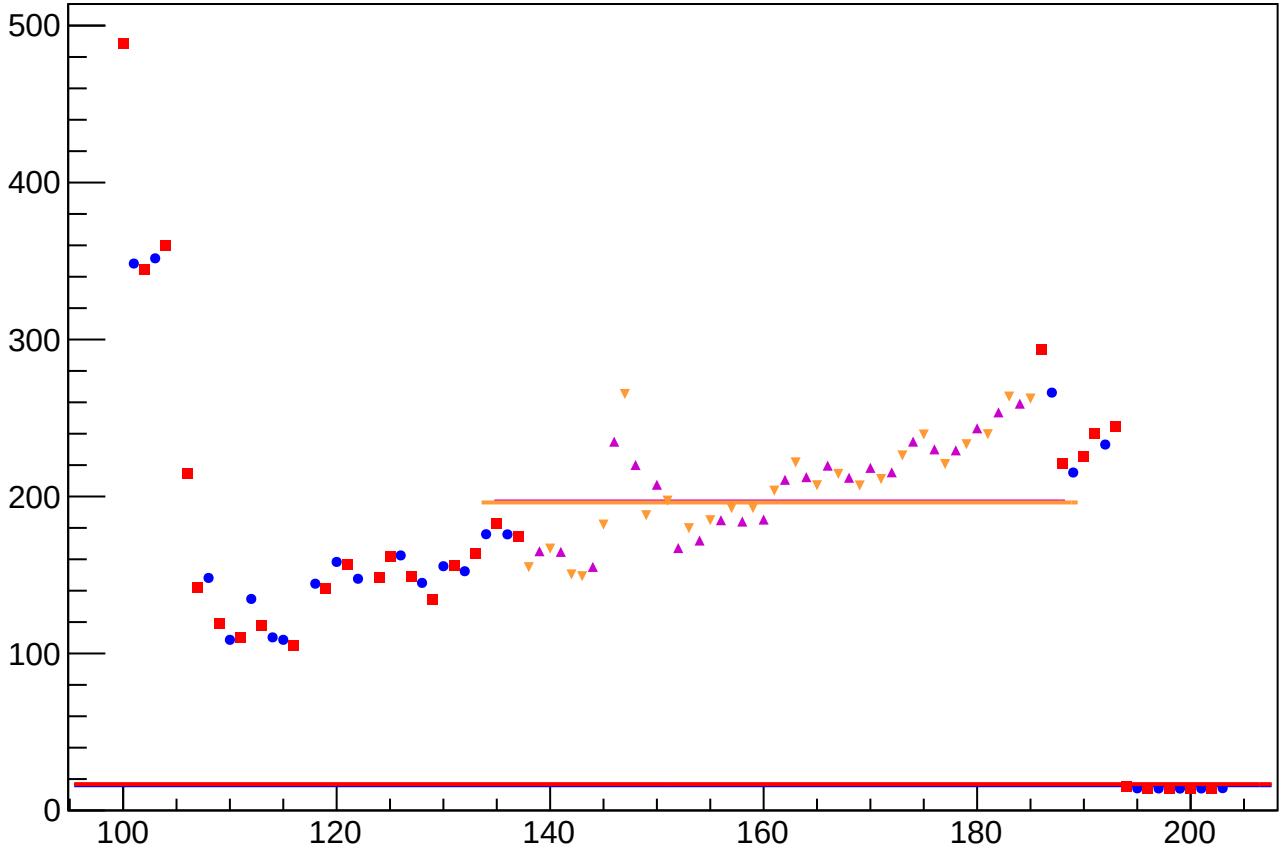
Right: 4479.054+/-0.005 χ^2/NDF: 10824494248316

In: 6678.513+/-0.007 χ^2/NDF:11885545630437.9

Out: 7856.098+/-0.007 χ^2/NDF:13128588234912.

All: 7230.814+/-0.005 χ^2/NDF: 2502878154

yield_bpm0l06WS_rms vs Slug, Sign Corrected



Right In: 16.070+/-0.005 χ^2/NDF: 14354585.8/23

Left Out: 196.203+/-0.032 χ^2/NDF:922826.1/24

Right Out: 16.772+/-0.005 χ^2/NDF: 16391114.5/28

Left In: 196.840+/-0.033 χ^2/NDF:773052.6/22

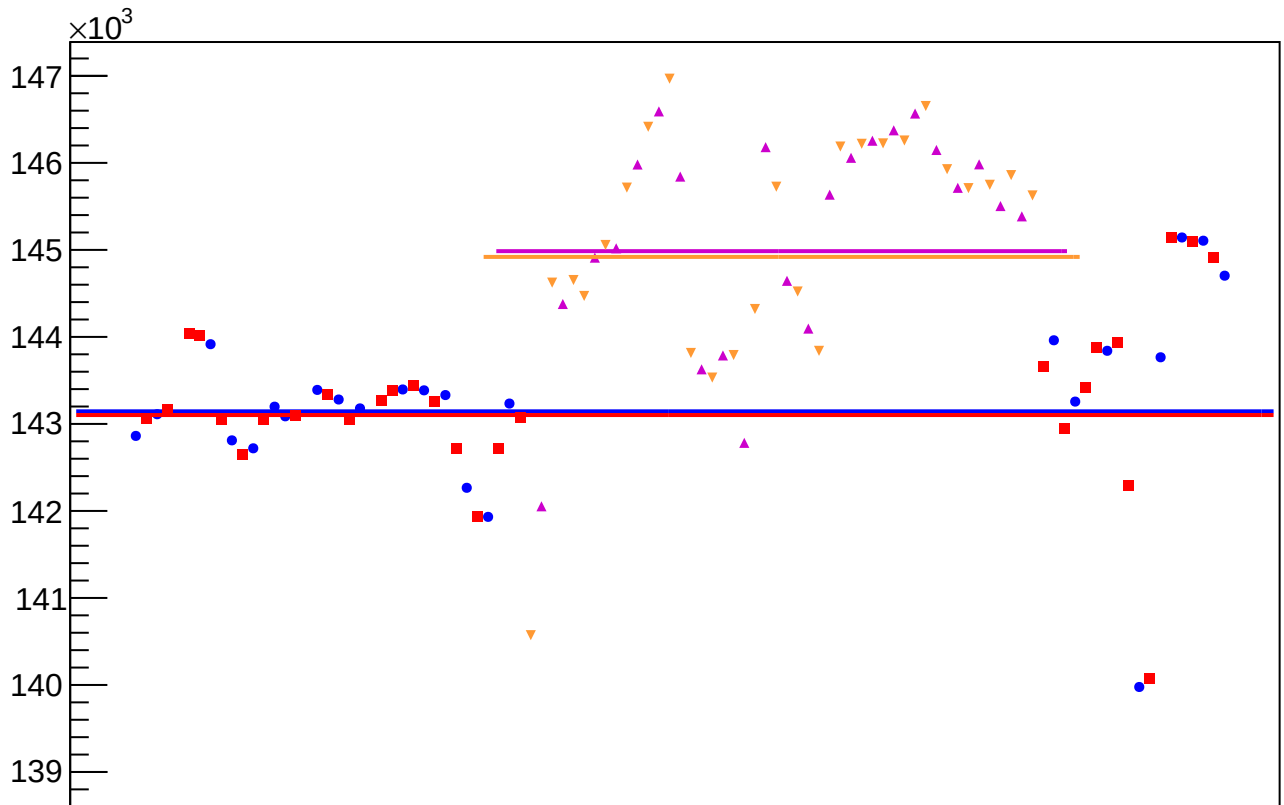
Left: 196.512+/-0.023 χ^2/NDF: 1696068.8/47

Right: 16.399+/-0.003 χ^2/NDF: 30755886.2/52

In: 19.720+/-0.005 χ^2/NDF:44243976.7/46

Out: 21.131+/-0.005 χ^2/NDF:47672818.2/53

All: 20.382+/-0.003 χ^2/NDF: 91958870.9/100



Right In: 143144.726+/-0.059 χ^2/NDF: 203363100.8/23

Left Out: 144919.479+/-0.052 χ^2/NDF:835478710.7/24

Right Out: 143102.065+/-0.054 χ^2/NDF: 196858862.3/28

Left In: 144985.586+/-0.054 χ^2/NDF:618782558.7/22

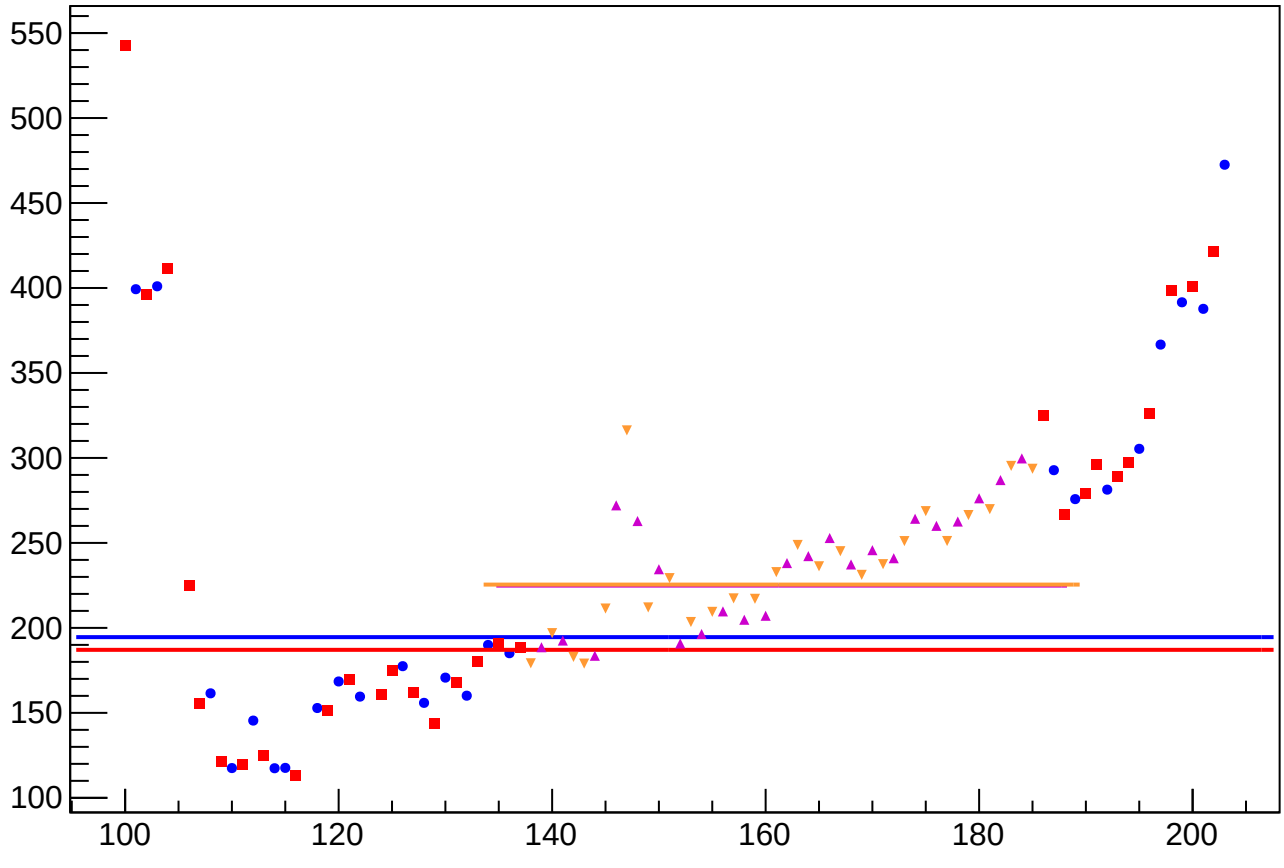
Left: 144951.693+/-0.037 χ^2/NDF: 1455041879.5/4

Right: 143121.668+/-0.040 χ^2/NDF: 400505087.9/5

In: 144152.783+/-0.040 χ^2/NDF:1356272131.0/46

Out: 144046.858+/-0.038 χ^2/NDF:1613678307.2/5

All: 144097.100+/-0.027 χ^2/NDF: 29737030



Right In: 194.561+/-0.042 χ^2/NDF: 3924670.8/23

Left Out: 225.478+/-0.037 χ^2/NDF:775365.4/24

Right Out: 187.086+/-0.038 χ^2/NDF: 4643345.3/28

Left In: 224.869+/-0.038 χ^2/NDF:723816.1/22

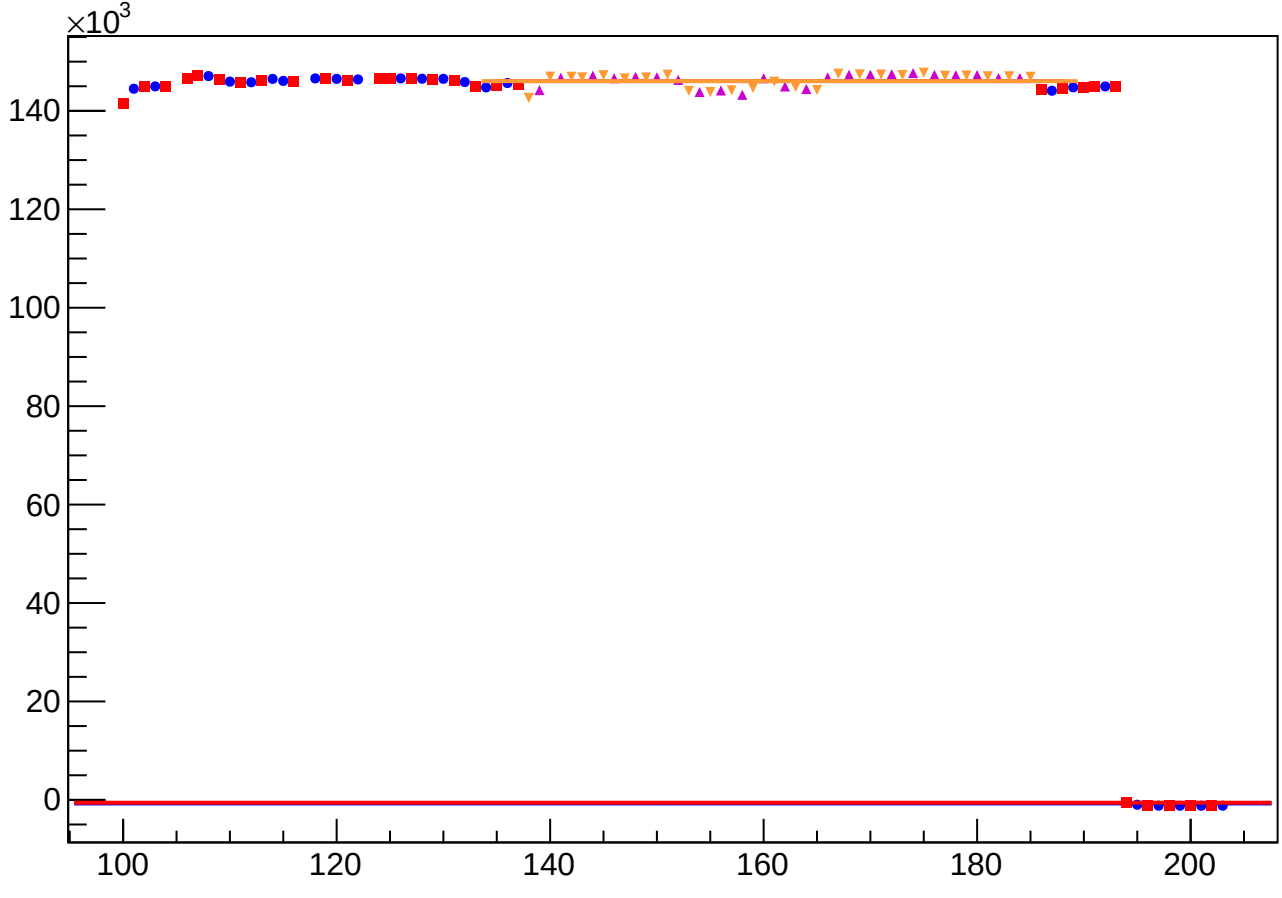
Left: 225.181+/-0.026 χ^2/NDF: 1499314.5/47

Right: 190.521+/-0.028 χ^2/NDF: 8585402.2/52

In: 211.158+/-0.028 χ^2/NDF:4938034.6/46

Out: 207.045+/-0.027 χ^2/NDF:5937554.2/53

All: 208.996+/-0.019 χ^2/NDF: 10886904.7/10



Right In: -726.906+/-0.003 χ^2/NDF: 5366181312382.4/23

Left Out: 146042.636+/-0.052 χ^2/NDF:882705044.1/24

Right Out: -572.169+/-0.004 χ^2/NDF: 6450025713241.9/28

Left In: 146056.687+/-0.054 χ^2/NDF:698743124.4/22

Left: 146049.455+/-0.037 χ^2/NDF: 1581483589.3/4

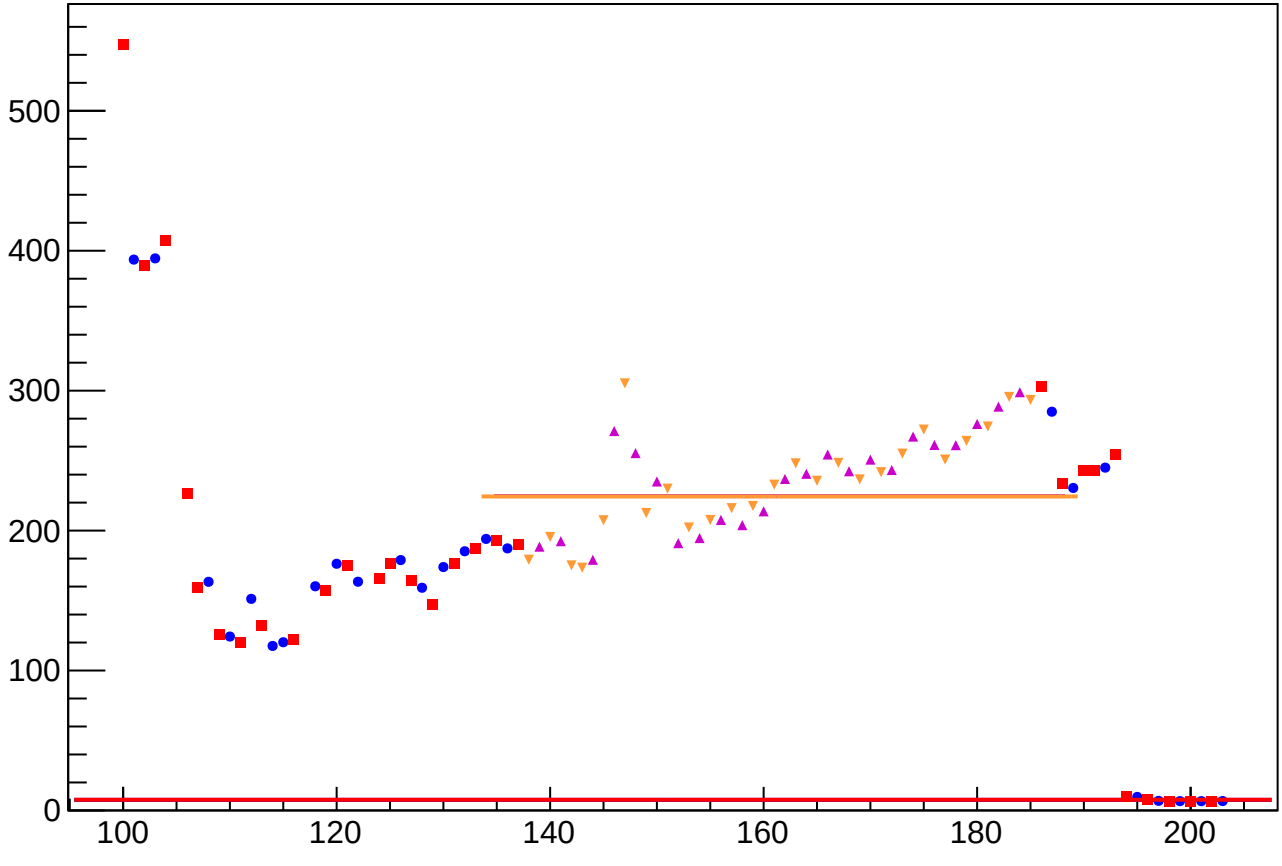
Right: -653.816+/-0.002 χ^2/NDF: 11817167346227

In: -126.802+/-0.003 χ^2/NDF:12846275312426.9/

Out: 137.430+/-0.004 χ^2/NDF:14359072533933.4

All: -1.942+/-0.002 χ^2/NDF: 2720816073587

yield_bpm0l08WS_rms vs Slug, Sign Corrected



Right In: 7.549+/-0.002 χ^2/NDF: 16065107.7/23

Left Out: 224.409+/-0.037 χ^2/NDF:849100.4/24

Right Out: 7.646+/-0.003 χ^2/NDF: 18367984.3/28

Left In: 224.655+/-0.038 χ^2/NDF:756996.8/22

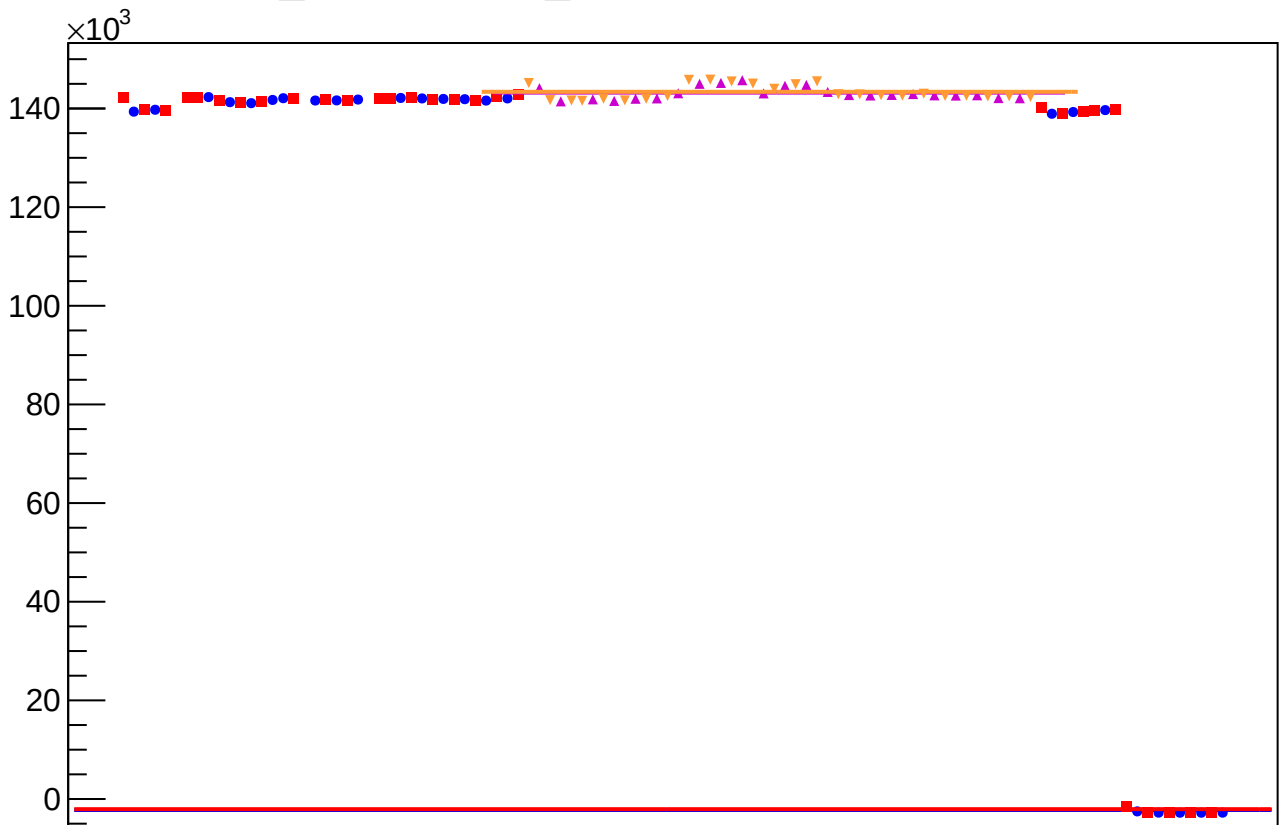
Left: 224.528+/-0.026 χ^2/NDF: 1606118.8/47

Right: 7.595+/-0.002 χ^2/NDF: 34433835.2/52

In: 8.437+/-0.002 χ^2/NDF:49547313.9/46

Out: 8.695+/-0.003 χ^2/NDF:53789029.0/53

All: 8.559+/-0.002 χ^2/NDF: 103341696.7/100



Right In: -2229.743+/-0.004 χ^2/NDF: 4953974755395.5/23

Left Out: 143386.915+/-0.054 χ^2/NDF:784001363.1/24

Right Out: -2061.321+/-0.004 χ^2/NDF: 5817830020312.9/28

Left In: 143221.802+/-0.055 χ^2/NDF:540234973.1/22

Left: 143306.102+/-0.038 χ^2/NDF: 1328866261.9/4

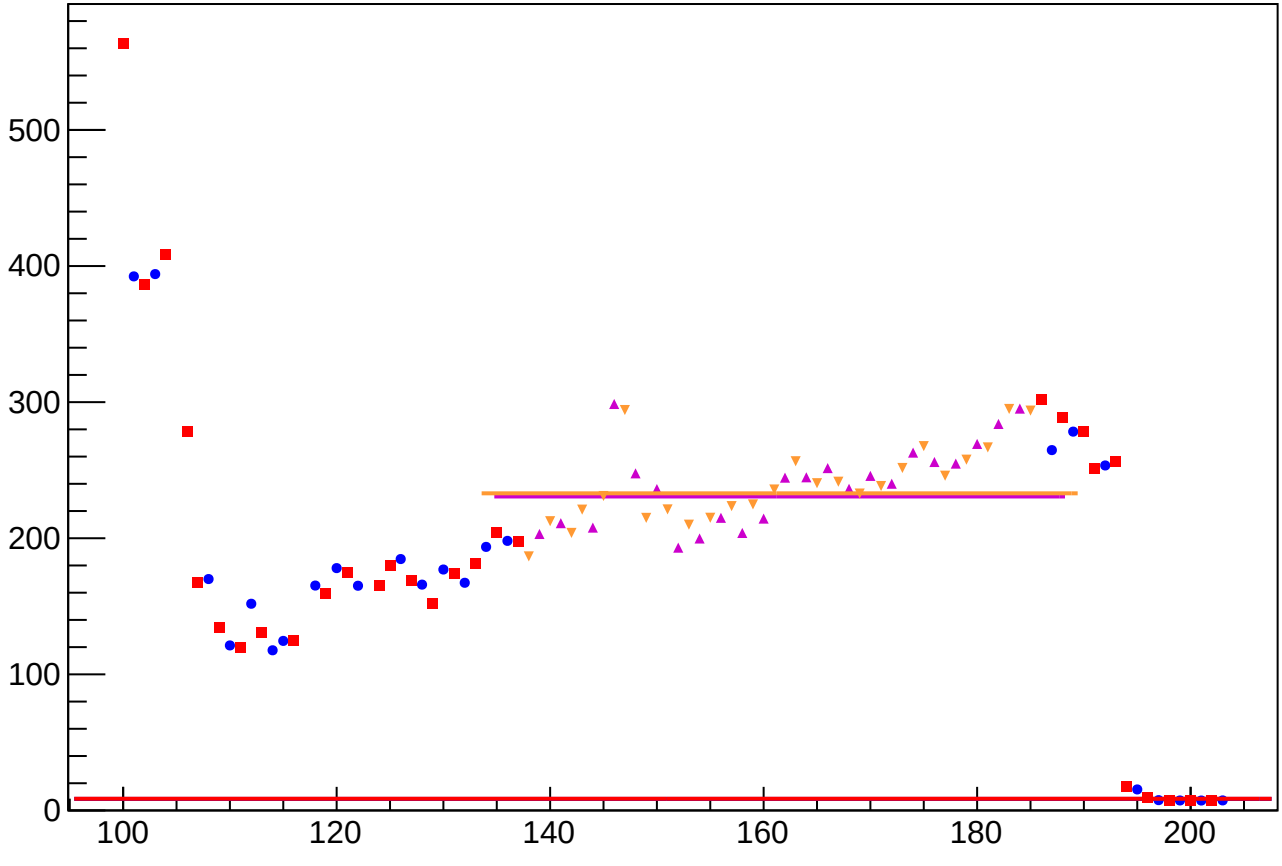
Right: -2150.031+/-0.003 χ^2/NDF: 1077268711520

In: -1497.289+/-0.004 χ^2/NDF:11956361230235.2

Out: -1211.728+/-0.004 χ^2/NDF:13116265031108

All: -1362.079+/-0.003 χ^2/NDF: 2507517669

yield_bpm0l09WS_rms vs Slug, Sign Corrected



Right In: 8.476+/-0.003 χ^2/NDF: 16210237.4/23

Left Out: 233.007+/-0.038 χ^2/NDF:446120.9/24

Right Out: 8.597+/-0.003 χ^2/NDF: 18390532.4/28

Left In: 230.693+/-0.039 χ^2/NDF:512017.9/22

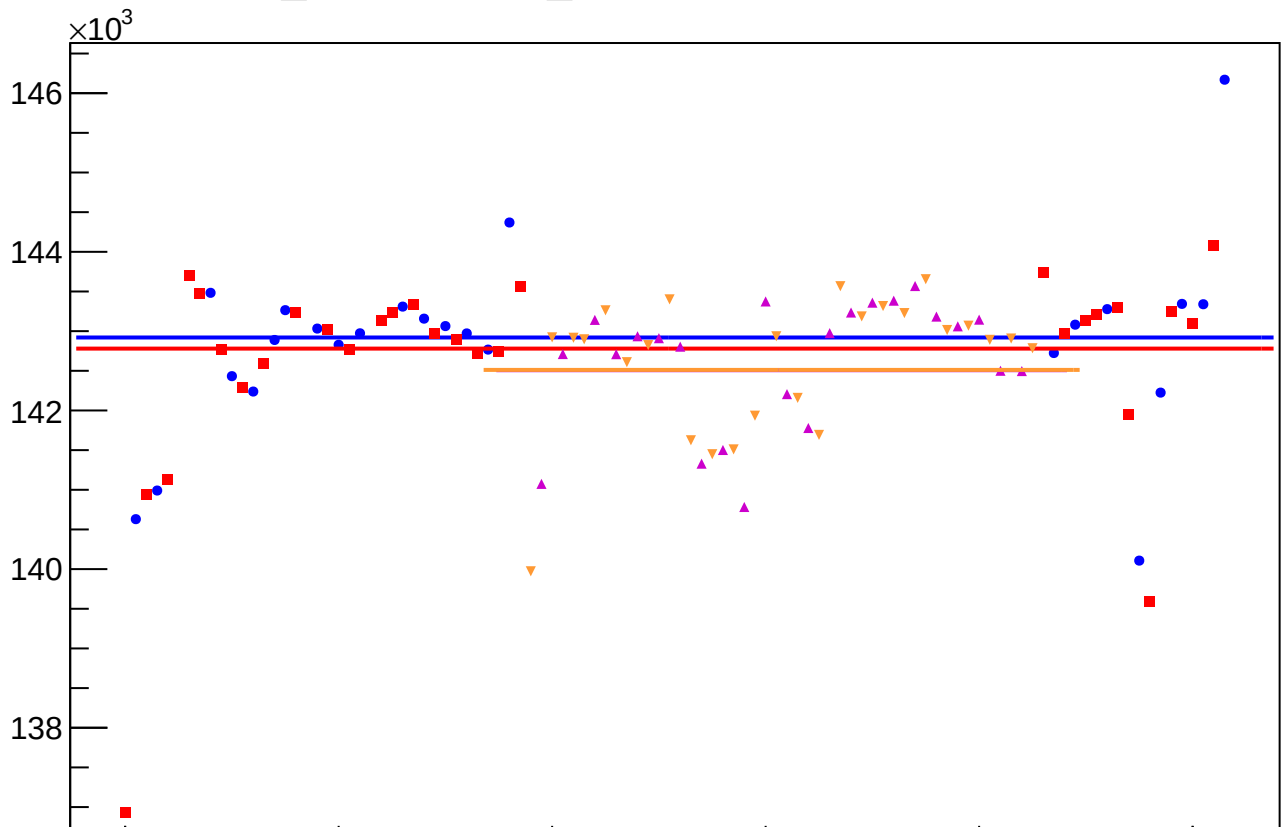
Left: 231.874+/-0.027 χ^2/NDF: 959957.6/47

Right: 8.533+/-0.002 χ^2/NDF: 34601694.1/52

In: 9.595+/-0.003 χ^2/NDF:49408258.7/46

Out: 9.908+/-0.003 χ^2/NDF:53580547.7/53

All: 9.743+/-0.002 χ^2/NDF: 102994961.6/100



Right In: 142920.068+/-0.062 χ^2/NDF: 237589402.1/23

Left Out: 142511.381+/-0.051 χ^2/NDF:338087157.2/24

Right Out: 142779.989+/-0.056 χ^2/NDF: 167880141.0/28

Left In: 142507.563+/-0.052 χ^2/NDF:269272097.4/22

Left: 142509.527+/-0.037 χ^2/NDF: 607361986.5/47

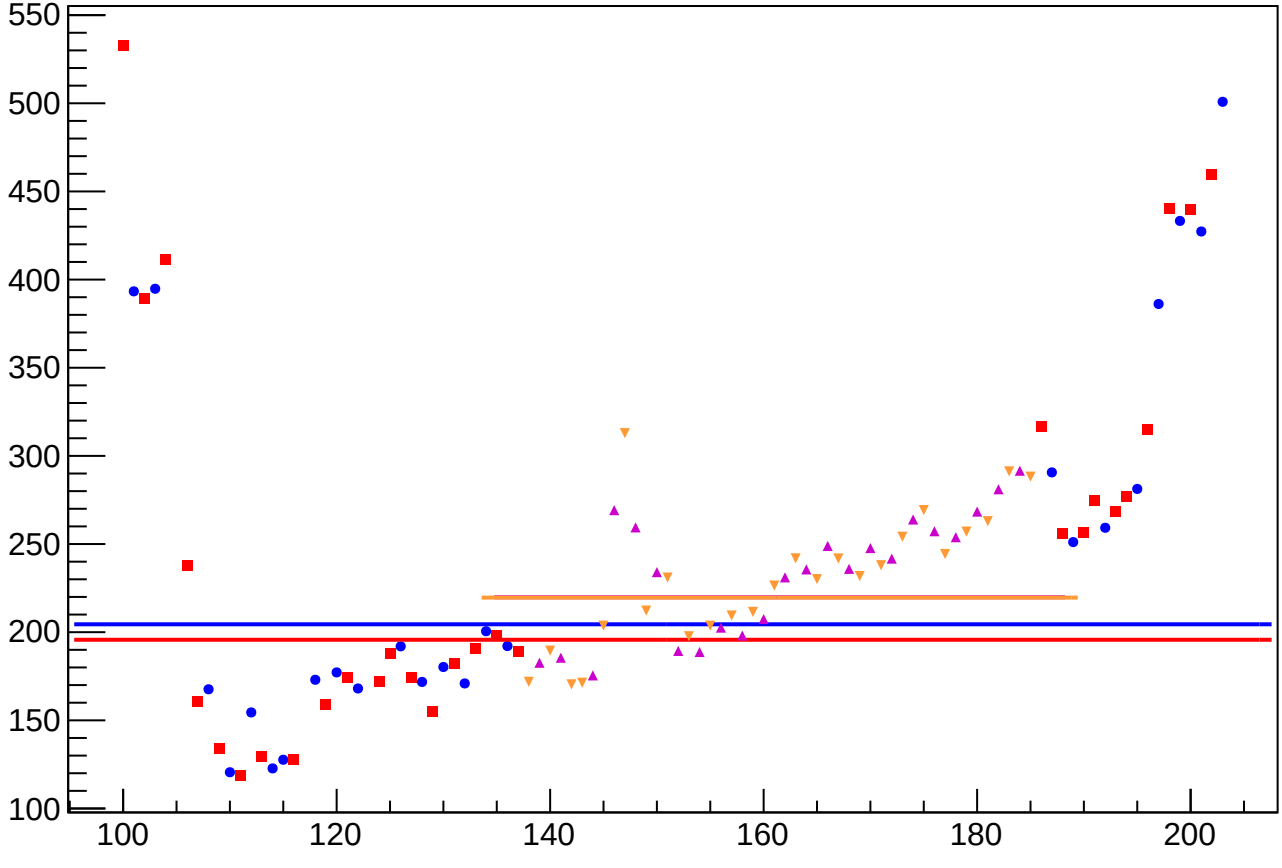
Right: 142843.869+/-0.042 χ^2/NDF: 408279296.7/5

In: 142680.631+/-0.040 χ^2/NDF:532861235.3/46

Out: 142631.874+/-0.038 χ^2/NDF:518459791.1/53

All: 142654.920+/-0.027 χ^2/NDF: 10521075

yield_bpm0l10WS_rms vs Slug, Sign Corrected



Right In: 204.479+/-0.044 χ^2/NDF: 3611838.9/23

Left Out: 219.618+/-0.036 χ^2/NDF:902026.4/24

Right Out: 195.704+/-0.040 χ^2/NDF: 4226385.5/28

Left In: 219.813+/-0.037 χ^2/NDF:805501.8/22

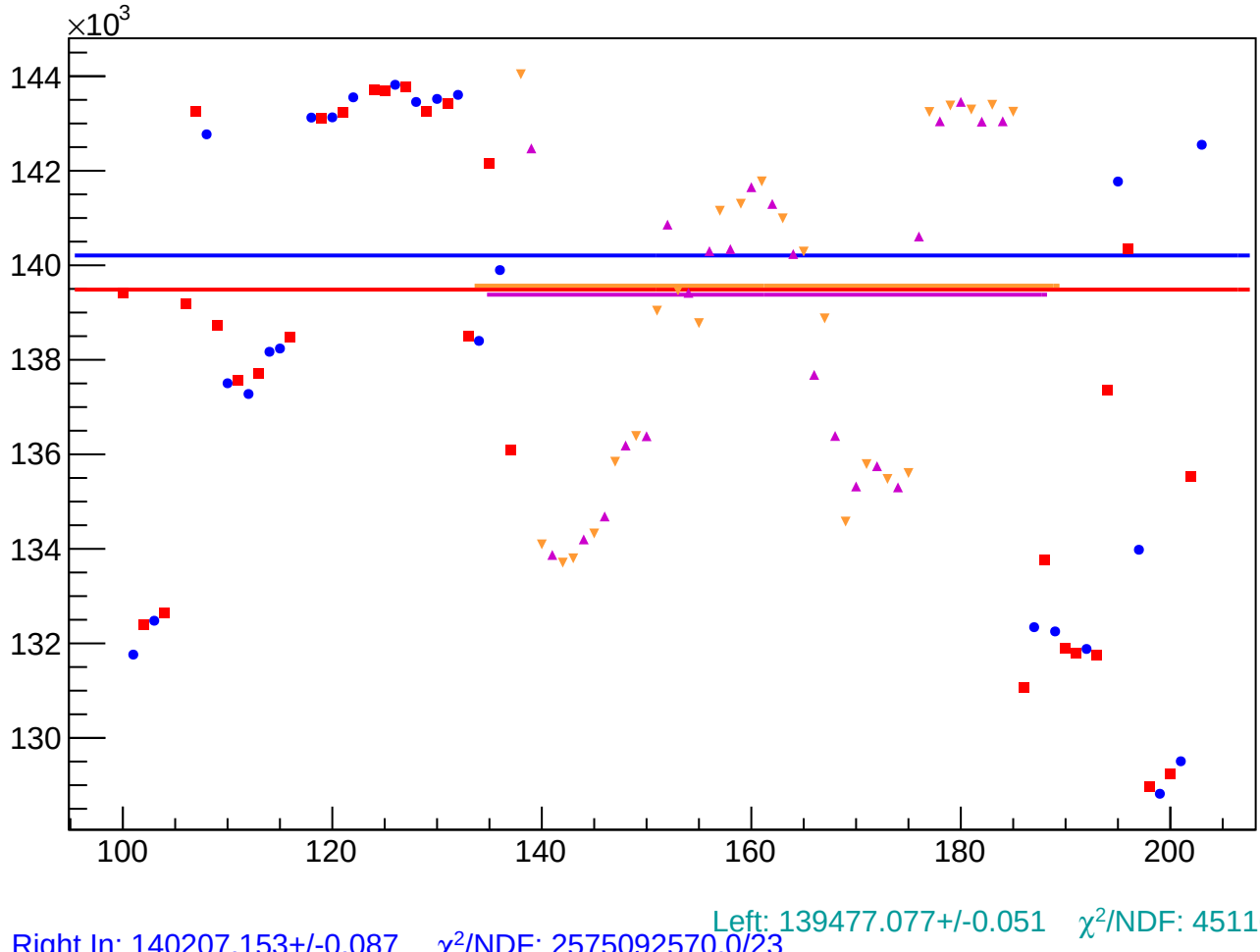
Left: 219.713+/-0.026 χ^2/NDF: 1707542.5/47

Right: 199.705+/-0.029 χ^2/NDF: 7860278.0/52

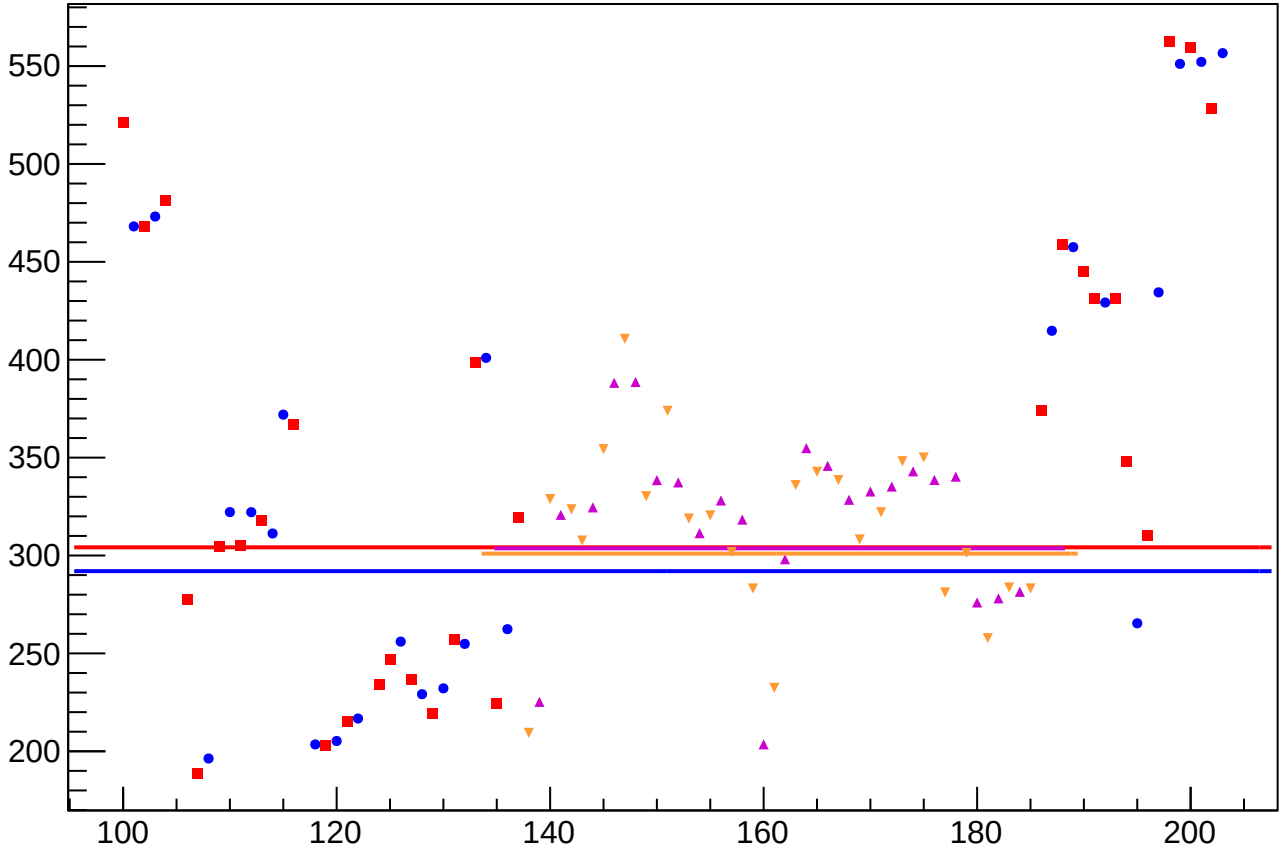
In: 213.380+/-0.028 χ^2/NDF:4489198.3/46

Out: 208.890+/-0.027 χ^2/NDF:5326453.8/53

All: 211.012+/-0.019 χ^2/NDF: 9828988.5/100


yield_bpm0r03WS_mean vs Slug, Sign Corrected
×10^3
144
142
140
138
136
134
132
130
100
120
140
160
180
200
Right In: 140207.153+/-0.087 χ²/NDF: 2575092570.0/23
Left Out: 139568.750+/-0.070 χ²/NDF:2586638805.4/24
Right Out: 139484.756+/-0.086 χ²/NDF: 2715005525.4/28
Left In: 139377.582+/-0.073 χ²/NDF:1921434868.2/22
Left: 139477.077+/-0.051 χ²/NDF: 4511647582.8/4
Right: 139840.289+/-0.061 χ²/NDF: 5324954532.9/
In: 139719.159+/-0.056 χ²/NDF:4549771358.6/46
Out: 139535.188+/-0.054 χ²/NDF:5302219210.9/5
All: 139624.351+/-0.039 χ²/NDF: 98575619

yield_bpm0r03WS_rms vs Slug, Sign Corrected



Right In: 292.016+/-0.062 χ^2/NDF: 2888081.3/23

Left Out: 300.964+/-0.050 χ^2/NDF:876889.9/24

Right Out: 304.182+/-0.061 χ^2/NDF: 2919848.8/28

Left In: 303.658+/-0.052 χ^2/NDF:976252.9/22

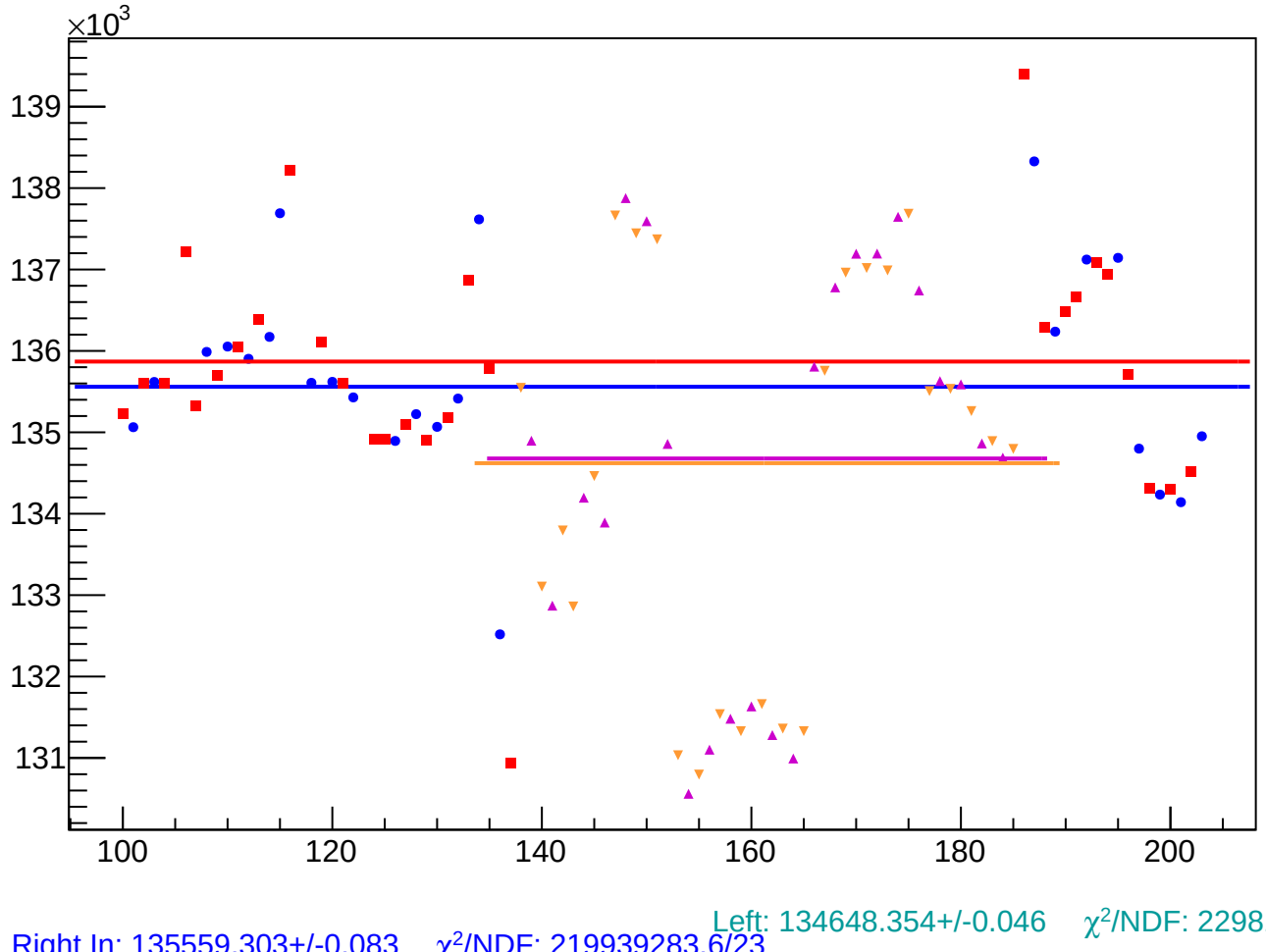
Left: 302.256+/-0.036 χ^2/NDF: 1854562.6/47

Right: 298.194+/-0.043 χ^2/NDF: 5827699.9/52

In: 298.865+/-0.040 χ^2/NDF:3885306.5/46

Out: 302.250+/-0.038 χ^2/NDF:3798425.9/53

All: 300.609+/-0.028 χ^2/NDF: 7687504.7/100



Right In: 135559.303+/-0.083 χ^2/NDF: 219939283.6/23

Left Out: 134620.993+/-0.064 χ^2/NDF:1201492843.7/24

Right Out: 135869.199+/-0.075 χ^2/NDF: 250759448.1/28

Left In: 134678.497+/-0.067 χ^2/NDF:1096295429.9/22

Left: 134648.354+/-0.046 χ^2/NDF: 2298175591.1/4

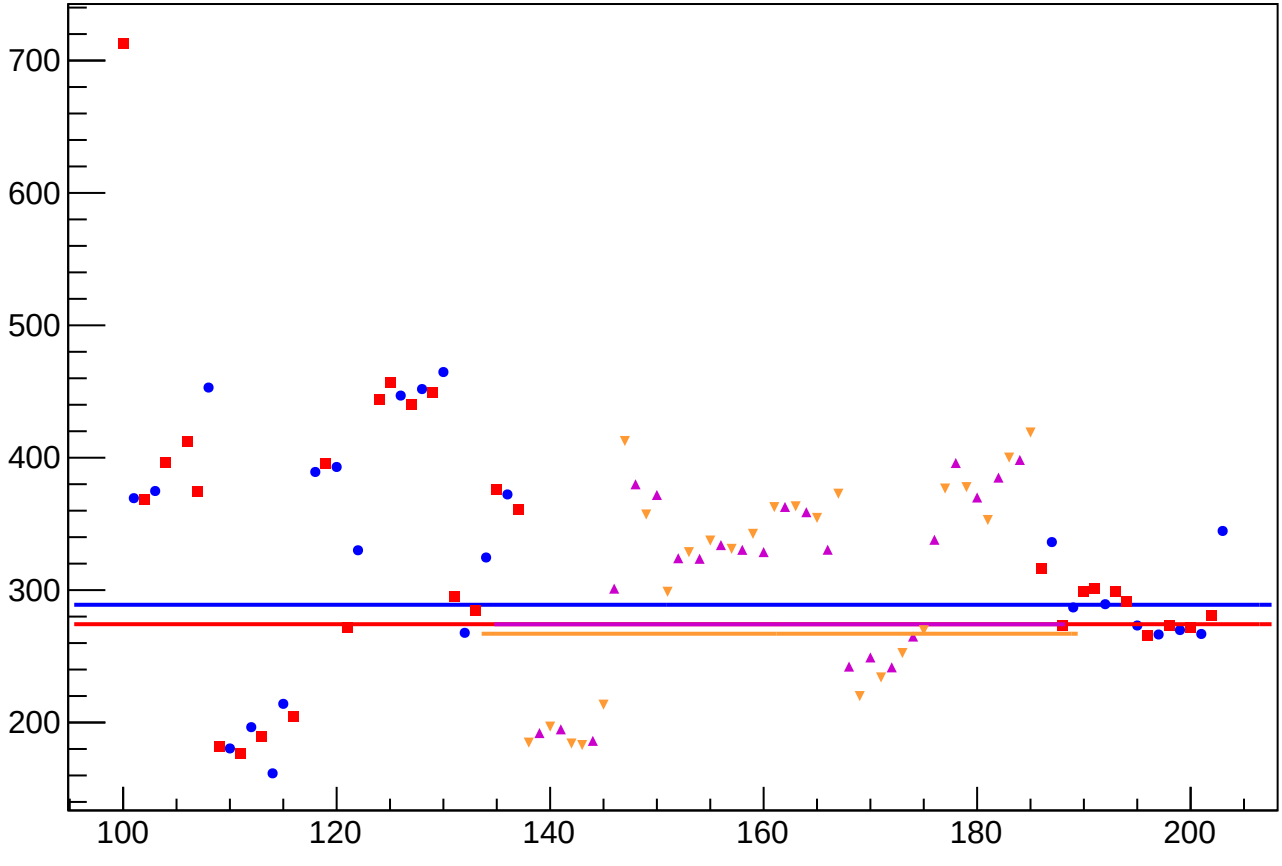
Right: 135729.459+/-0.056 χ^2/NDF: 478336083.9/5

In: 135024.888+/-0.052 χ^2/NDF:1384412257.4/46

Out: 135141.982+/-0.049 χ^2/NDF:1612339739.1/5

All: 135087.451+/-0.036 χ^2/NDF: 29994500

yield_bpm0r05WS_rms vs Slug, Sign Corrected



Right In: 288.922+/-0.059 χ^2/NDF: 1537037.6/23

Left Out: 267.053+/-0.045 χ^2/NDF:2843307.1/24

Right Out: 274.255+/-0.053 χ^2/NDF: 1729836.1/28

Left In: 274.177+/-0.047 χ^2/NDF:2236755.2/22

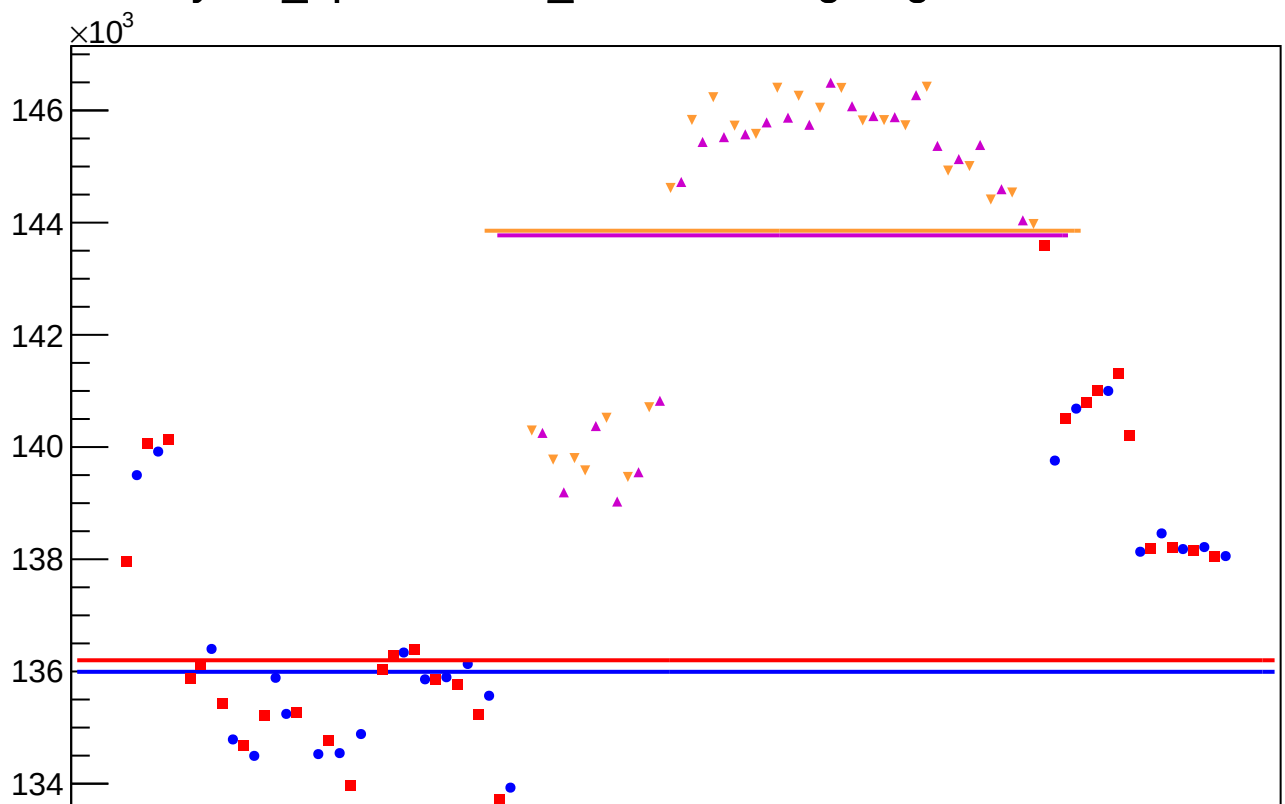
Left: 270.443+/-0.033 χ^2/NDF: 5091950.9/47

Right: 280.869+/-0.039 χ^2/NDF: 3301092.1/52

In: 279.976+/-0.037 χ^2/NDF:3812005.0/46

Out: 270.059+/-0.034 χ^2/NDF:4583800.2/53

All: 274.677+/-0.025 χ^2/NDF: 8434508.5/100



Right In: 135993.924+/-0.049 χ^2/NDF: 1426184048.1/23

Left Out: 143855.894+/-0.048 χ^2/NDF:3130204188.4/24

Right Out: 136199.646+/-0.046 χ^2/NDF: 2101764599.8/28

Left In: 143773.112+/-0.051 χ^2/NDF:2803362782.2/22

Left: 143816.659+/-0.035 χ^2/NDF: 5934957242.3/4

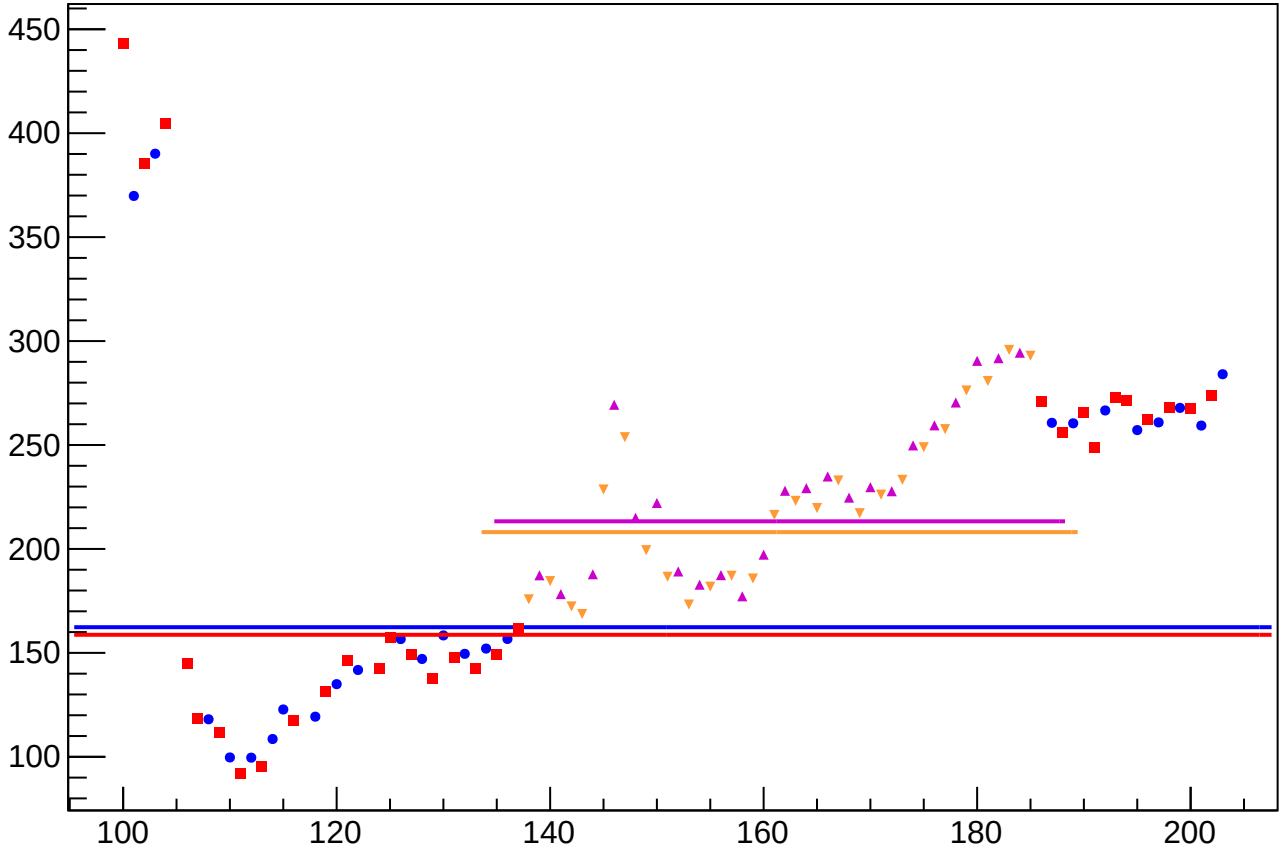
Right: 136102.947+/-0.034 χ^2/NDF: 3537341661.6/

In: 139723.341+/-0.035 χ^2/NDF:16379596862.5/4

Out: 139840.103+/-0.033 χ^2/NDF:18392602026.3

All: 139785.001+/-0.024 χ^2/NDF: 34777990

yield_bpm0i02WS_rms vs Slug, Sign Corrected



Right In: 162.355+/-0.035 χ^2/NDF: 3635893.2/23

Left Out: 208.100+/-0.034 χ^2/NDF:993011.6/24

Right Out: 158.701+/-0.033 χ^2/NDF: 4428774.9/28

Left In: 213.288+/-0.036 χ^2/NDF:865525.4/22

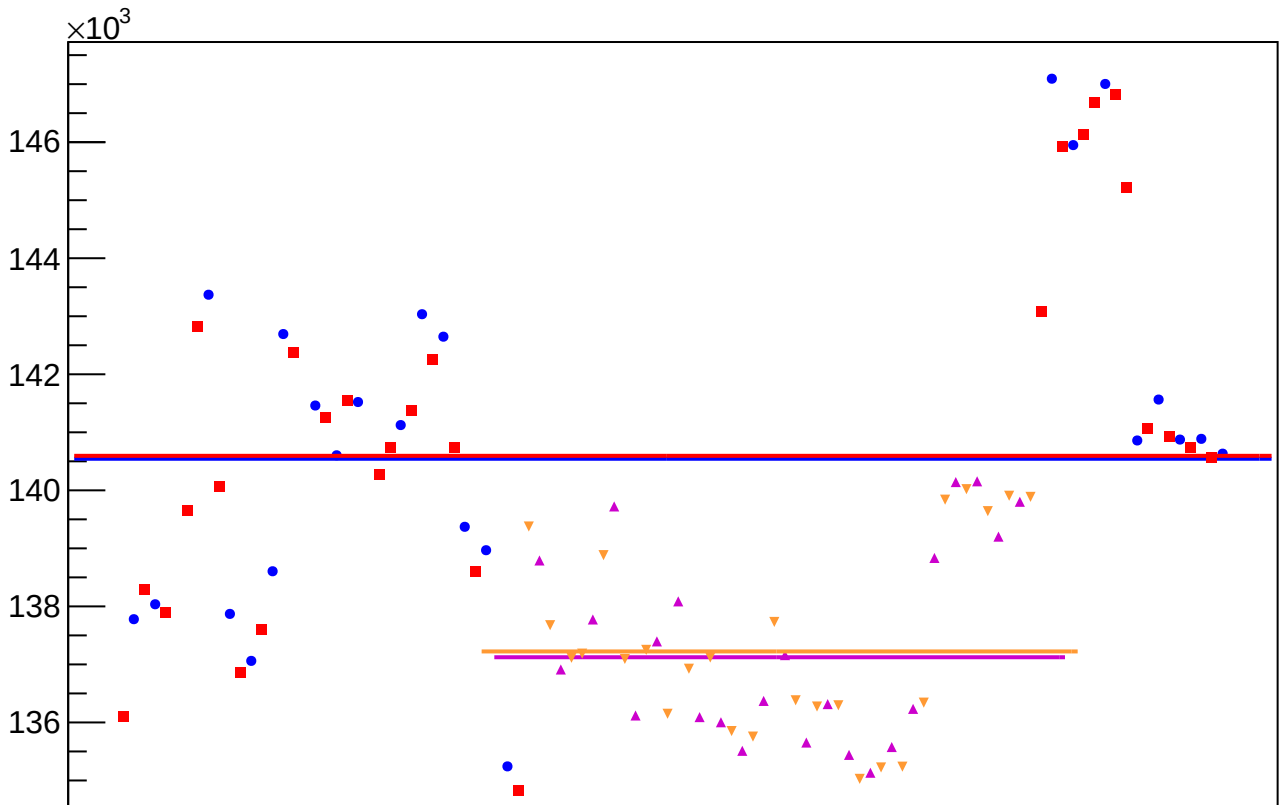
Left: 210.559+/-0.025 χ^2/NDF: 1869455.6/47

Right: 160.418+/-0.024 χ^2/NDF: 8070593.7/52

In: 186.772+/-0.025 χ^2/NDF:5543115.3/46

Out: 182.190+/-0.024 χ^2/NDF:6517555.9/53

All: 184.352+/-0.017 χ^2/NDF: 12078514.7/10



Right In: 140544.244+/-0.055 χ^2/NDF: 2807462107.8/23

Left Out: 137223.651+/-0.049 χ^2/NDF:894565924.0/24

Right Out: 140594.813+/-0.052 χ^2/NDF: 3239180335.3/28

Left In: 137123.557+/-0.051 χ^2/NDF:860635149.0/22

Left: 137175.466+/-0.035 χ^2/NDF: 1757205976.7/4

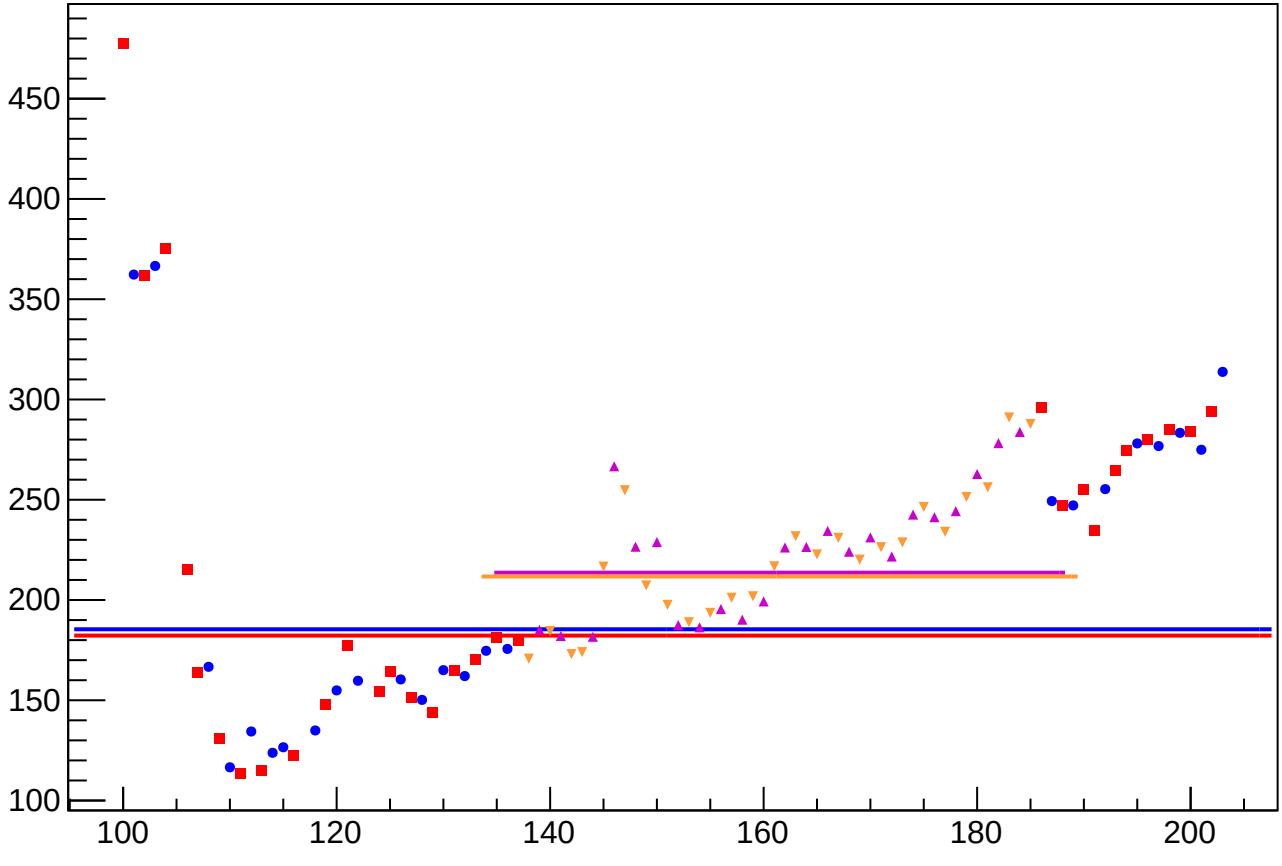
Right: 140570.956+/-0.038 χ^2/NDF: 6047094131.5/

In: 138711.639+/-0.037 χ^2/NDF:5764291150.4/46

Out: 138821.128+/-0.036 χ^2/NDF:6372407751.7/5

All: 138768.914+/-0.026 χ^2/NDF: 12141215

yield_bpm0i02aWS_rms vs Slug, Sign Corrected



Right In: 185.401+/-0.039 χ^2/NDF: 2685085.1/23

Left Out: 211.714+/-0.035 χ^2/NDF:675587.4/24

Right Out: 182.260+/-0.037 χ^2/NDF: 3312729.6/28

Left In: 213.641+/-0.036 χ^2/NDF:621332.1/22

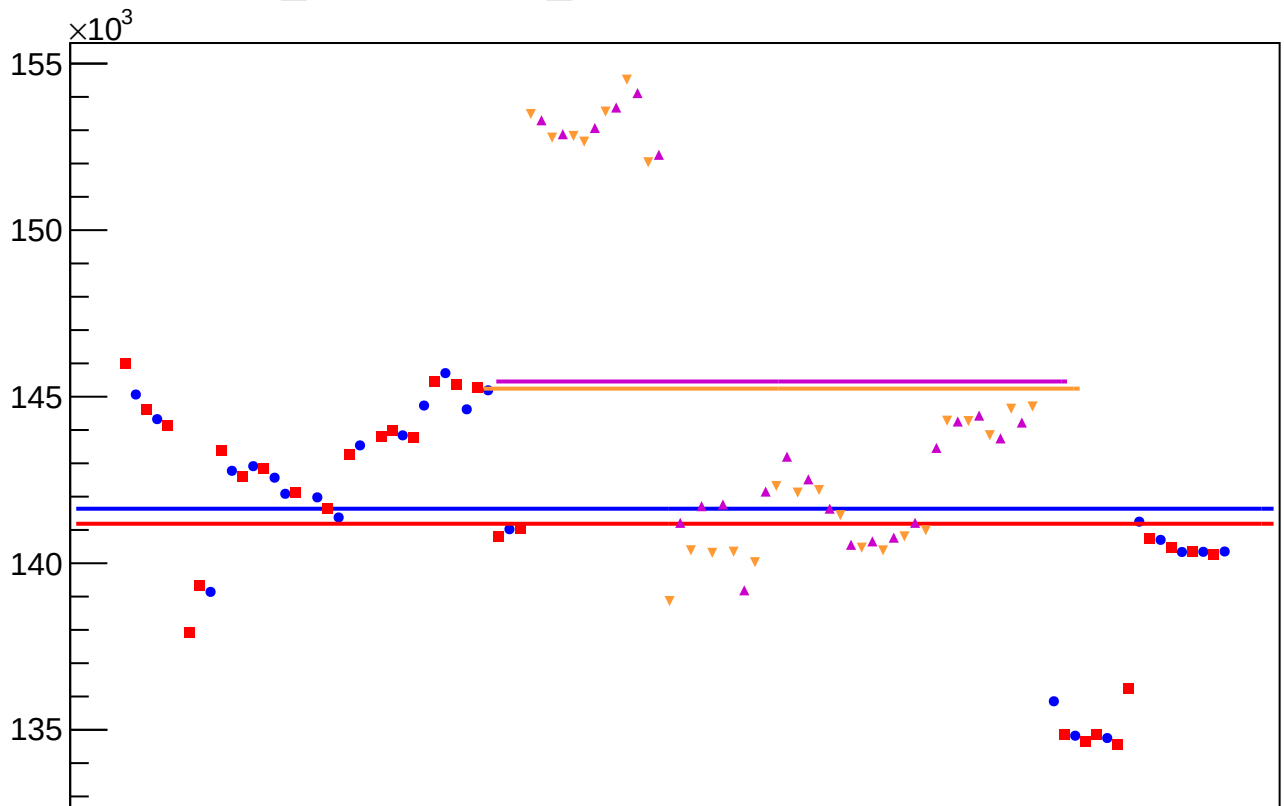
Left: 212.641+/-0.025 χ^2/NDF: 1298405.5/47

Right: 183.742+/-0.027 χ^2/NDF: 6001300.6/52

In: 200.530+/-0.026 χ^2/NDF:3592141.3/46

Out: 197.757+/-0.025 χ^2/NDF:4330094.7/53

All: 199.079+/-0.018 χ^2/NDF: 7928033.3/100



Right In: 141637.042+/-0.055 χ^2/NDF: 2749261147.1/23

Left Out: 145242.337+/-0.050 χ^2/NDF:13032998081.1/24

Right Out: 141186.001+/-0.051 χ^2/NDF: 4388601951.3/28

Left In: 145456.704+/-0.052 χ^2/NDF:11073020116.4/22

Left: 145345.374+/-0.036 χ^2/NDF: 24114988758.0

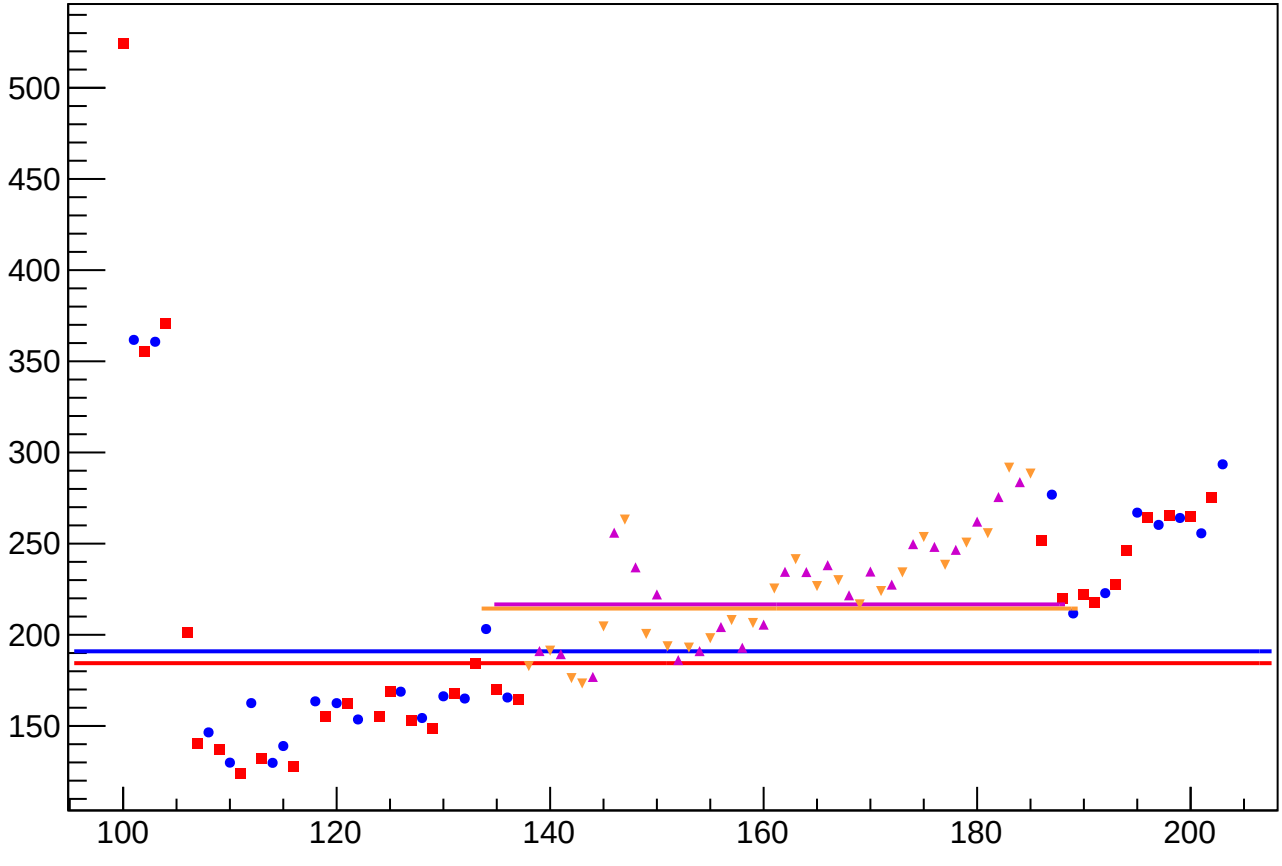
Right: 141394.336+/-0.038 χ^2/NDF: 7173467185.7/

In: 143684.814+/-0.038 χ^2/NDF:16366243815.9/4

Out: 143284.535+/-0.036 χ^2/NDF:20646907667.2

All: 143473.374+/-0.026 χ^2/NDF: 37072490

yield_bpm0i05WS_rms vs Slug, Sign Corrected



Right In: 190.943+/-0.039 χ^2/NDF: 1935535.6/23

Left Out: 214.391+/-0.035 χ^2/NDF:643384.3/24

Right Out: 184.444+/-0.036 χ^2/NDF: 2357927.5/28

Left In: 216.654+/-0.036 χ^2/NDF:587166.8/22

Left: 215.479+/-0.025 χ^2/NDF: 1232550.4/47

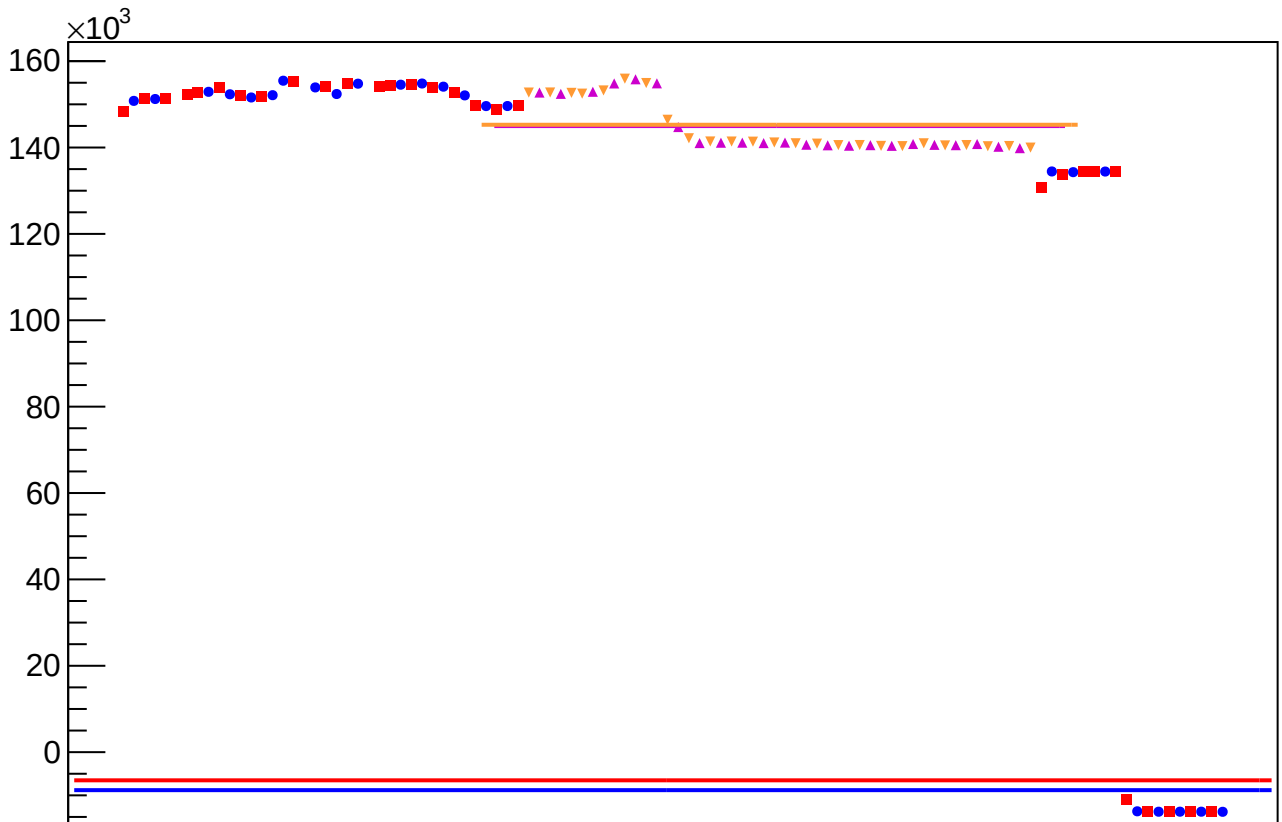
Right: 187.446+/-0.027 χ^2/NDF: 4308248.5/52

In: 204.727+/-0.027 χ^2/NDF:2753230.4/46

Out: 199.937+/-0.025 χ^2/NDF:3352908.6/53

All: 202.197+/-0.018 χ^2/NDF: 6123135.1/100

yield_bpm0i07WS_mean vs Slug, Sign Corrected



Right In: -8797.904+/-0.012 χ^2/NDF: 5802443748044.1/23

Left Out: 145269.857+/-0.049 χ^2/NDF:13706269279.5/24

Right Out: -6521.519+/-0.012 χ^2/NDF: 6992198416884.8/28

Left In: 144966.398+/-0.051 χ^2/NDF:13154547043.3/22

Left: 145123.606+/-0.036 χ^2/NDF: 26879011850.5

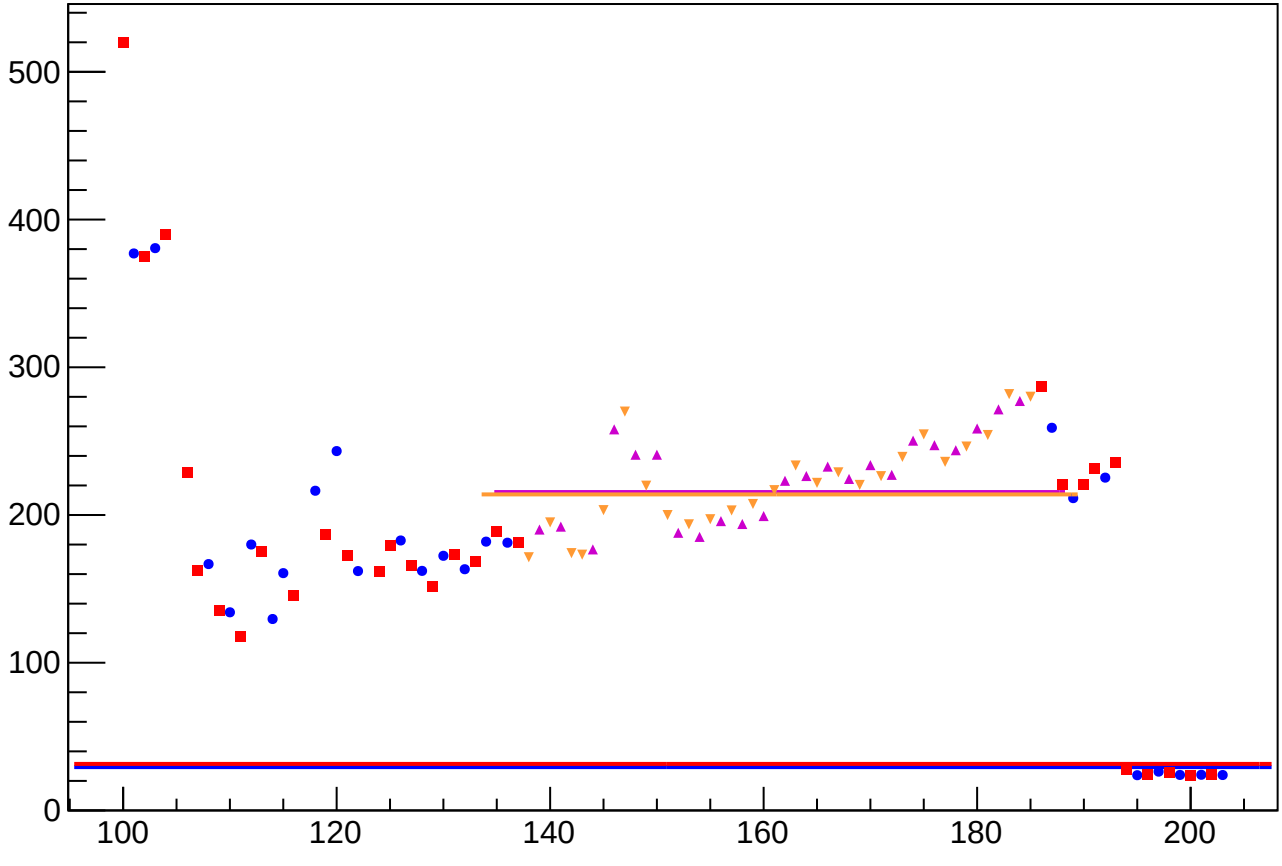
Right: -7735.495+/-0.009 χ^2/NDF: 1281240029025

In: -1205.289+/-0.011 χ^2/NDF:14388084769572.7

Out: 2582.023+/-0.012 χ^2/NDF:15885621128644.

All: 572.852+/-0.008 χ^2/NDF: 303257234371

yield_bpm0i07WS_rms vs Slug, Sign Corrected



Right In: 29.347+/-0.008 χ^2/NDF: 12516762.1/23

Left Out: 213.951+/-0.035 χ^2/NDF:650607.8/24

Right Out: 31.504+/-0.009 χ^2/NDF: 14104825.3/28

Left In: 215.539+/-0.036 χ^2/NDF:600575.7/22

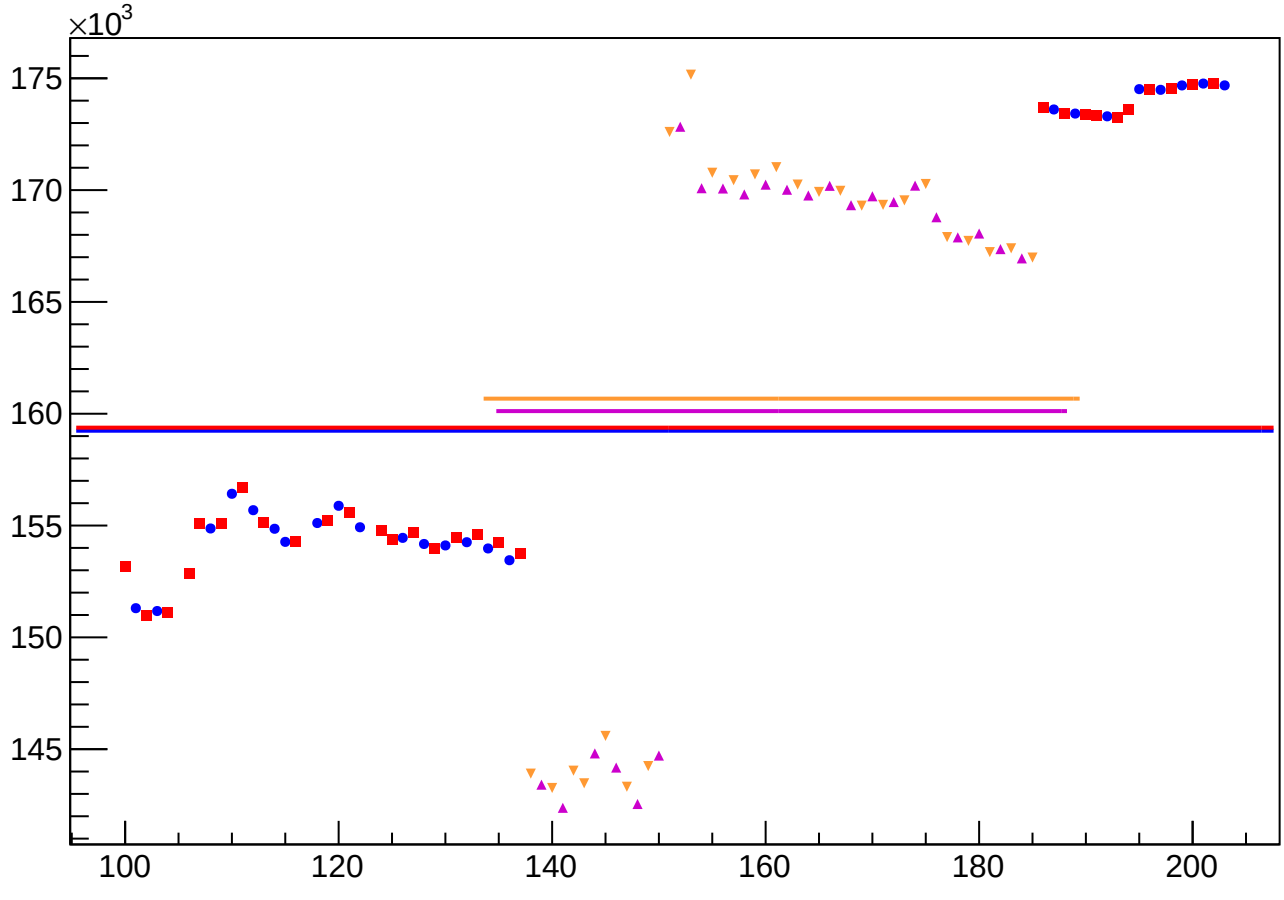
Left: 214.716+/-0.025 χ^2/NDF: 1252179.3/47

Right: 30.354+/-0.006 χ^2/NDF: 26653503.6/52

In: 38.540+/-0.008 χ^2/NDF:38256331.9/46

Out: 42.447+/-0.009 χ^2/NDF:40412477.1/53

All: 40.374+/-0.006 χ^2/NDF: 78779475.7/100



Right In: 159240.731+/-0.057 χ^2/NDF: 20989777428.2/23

Left Out: 160674.818+/-0.047 χ^2/NDF:74155131898.4/24

Right Out: 159377.525+/-0.053 χ^2/NDF: 23913618614.0/28

Left In: 160117.460+/-0.049 χ^2/NDF:66553191753.2/22

Left: 160407.689+/-0.034 χ^2/NDF: 140774615101.

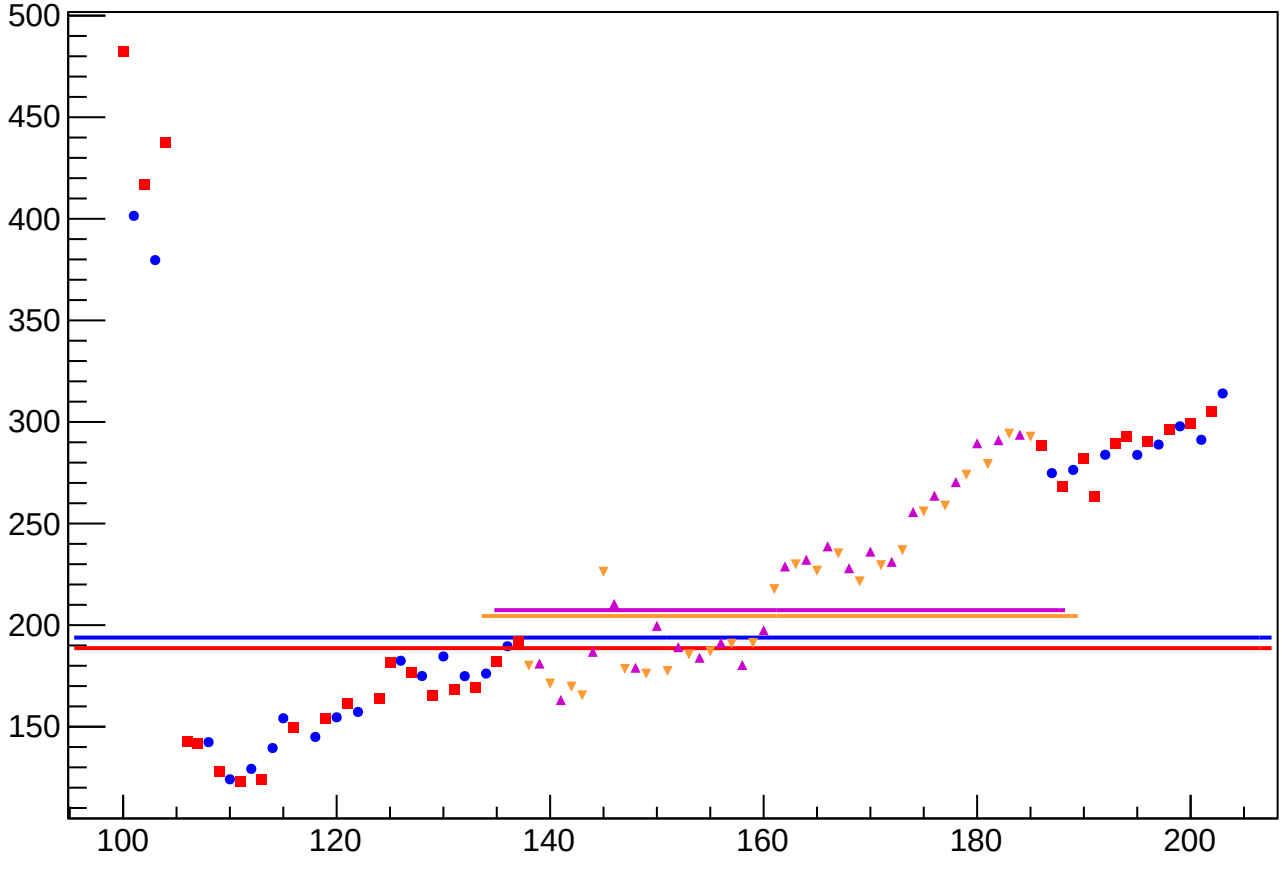
Right: 159313.941+/-0.039 χ^2/NDF: 44906460131.

In: 159742.699+/-0.037 χ^2/NDF:87677617365.9/

Out: 160101.786+/-0.035 χ^2/NDF:98399742989.7

All: 159931.943+/-0.026 χ^2/NDF: 18612600

yield_bpm1i02WS_rms vs Slug, Sign Corrected



Right In: 193.877+/-0.040 χ^2/NDF: 2799095.9/23

Left Out: 204.476+/-0.034 χ^2/NDF:1073199.0/24

Right Out: 188.664+/-0.038 χ^2/NDF: 3492579.8/28

Left In: 207.368+/-0.035 χ^2/NDF:956644.0/22

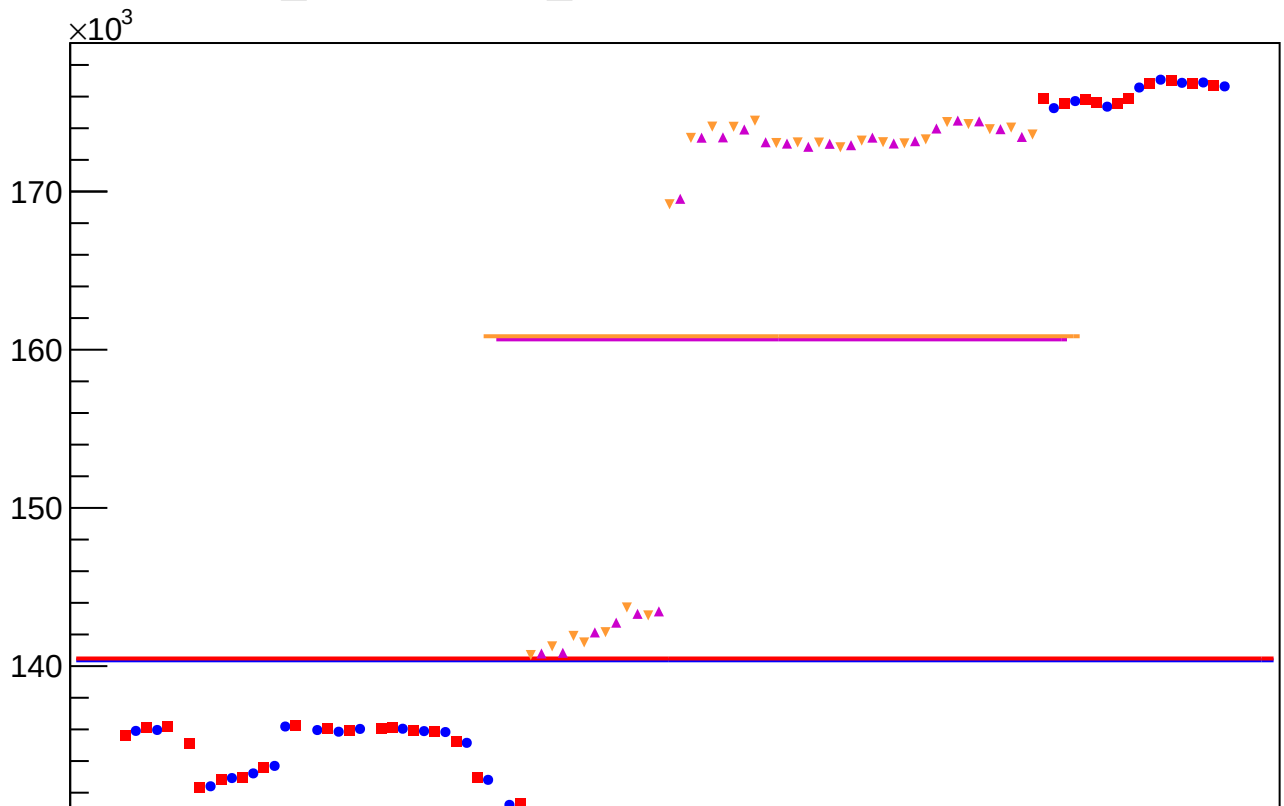
Left: 205.862+/-0.024 χ^2/NDF: 2033412.9/47

Right: 191.087+/-0.028 χ^2/NDF: 6300573.1/52

In: 201.601+/-0.026 χ^2/NDF:3819512.4/46

Out: 197.492+/-0.025 χ^2/NDF:4664121.2/53

All: 199.435+/-0.018 χ^2/NDF: 8496374.0/100



Right In: 140367.918+/-0.047 χ^2/NDF: 100558569823.1/23

Left Out: 160851.077+/-0.048 χ^2/NDF:99202825178.3/24

Right Out: 140482.483+/-0.044 χ^2/NDF: 116107620387.5/28

Left In: 160654.189+/-0.051 χ^2/NDF:90149721861.0/22

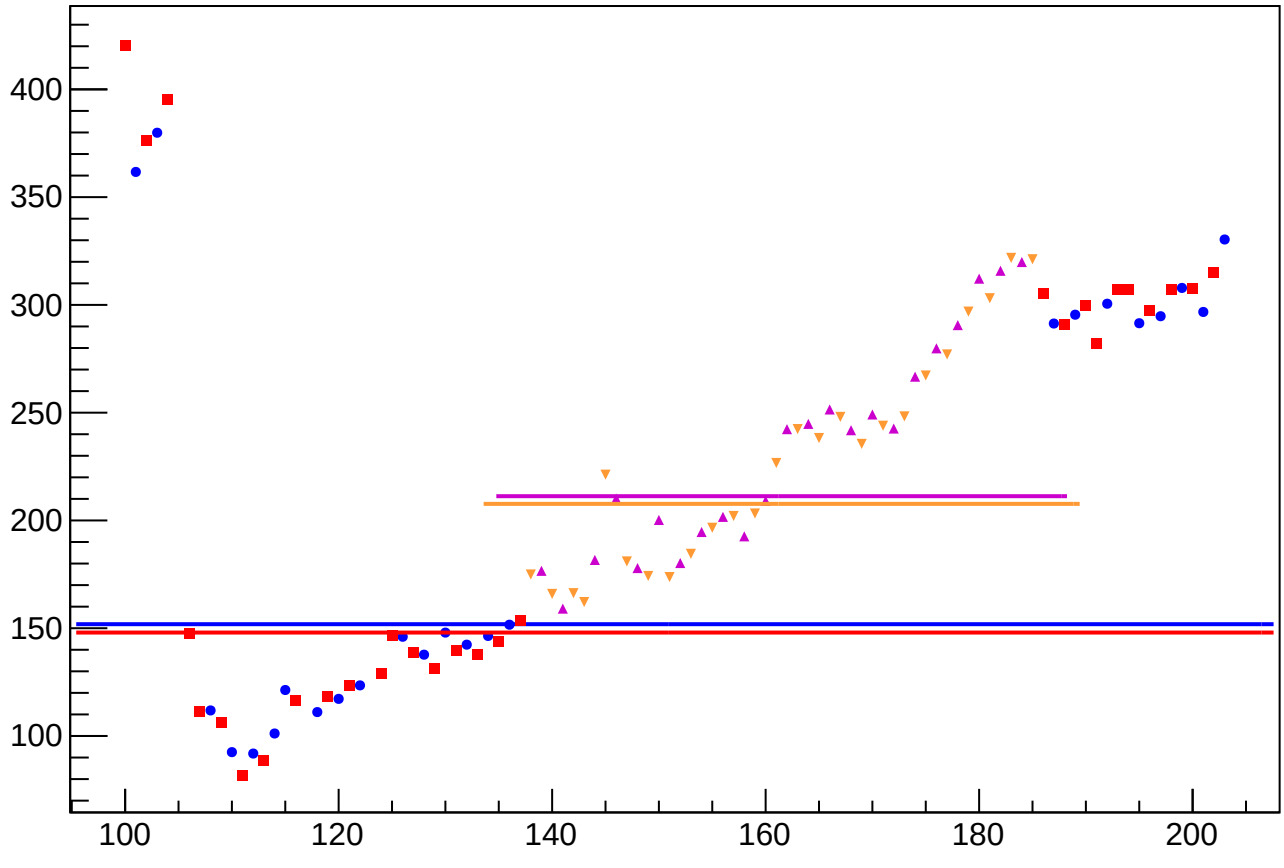
Left: 160756.959+/-0.035 χ^2/NDF: 189360447861.

Right: 140428.670+/-0.032 χ^2/NDF: 21666933983

In: 149764.360+/-0.034 χ^2/NDF:276967751818.8

Out: 149748.467+/-0.033 χ^2/NDF:311730473472.

All: 149755.993+/-0.024 χ^2/NDF: 58869833



Right In: 151.866+/-0.033 χ^2/NDF: 4928482.3/23

Left Out: 207.689+/-0.034 χ^2/NDF:1500711.5/24

Right Out: 147.989+/-0.031 χ^2/NDF: 5964382.2/28

Left In: 211.254+/-0.036 χ^2/NDF:1305730.5/22

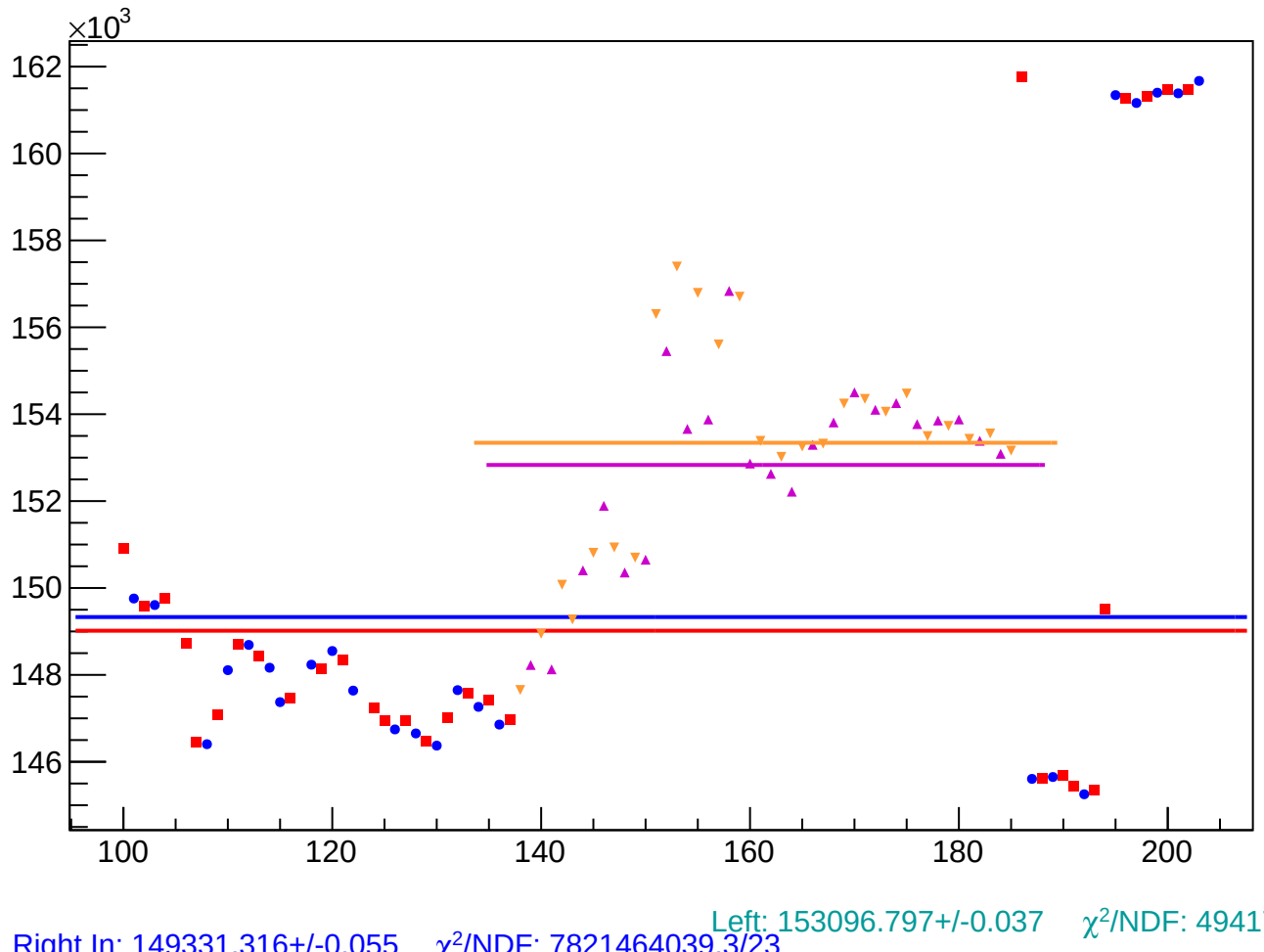
Left: 209.393+/-0.025 χ^2/NDF: 2811623.6/47

Right: 149.810+/-0.023 χ^2/NDF: 10900077.5/52

In: 179.374+/-0.024 χ^2/NDF:7712765.5/46

Out: 175.148+/-0.023 χ^2/NDF:9121712.9/53

All: 177.149+/-0.017 χ^2/NDF: 16850335.3/10



Right In: 149331.316+/-0.055 χ^2/NDF: 7821464039.3/23

Left Out: 153342.472+/-0.051 χ^2/NDF:2978670616.9/24

Right Out: 149016.612+/-0.052 χ^2/NDF: 7089622188.4/28

Left In: 152831.399+/-0.053 χ^2/NDF:1914395326.4/22

Left: 153096.797+/-0.037 χ^2/NDF: 4941719474.7/4

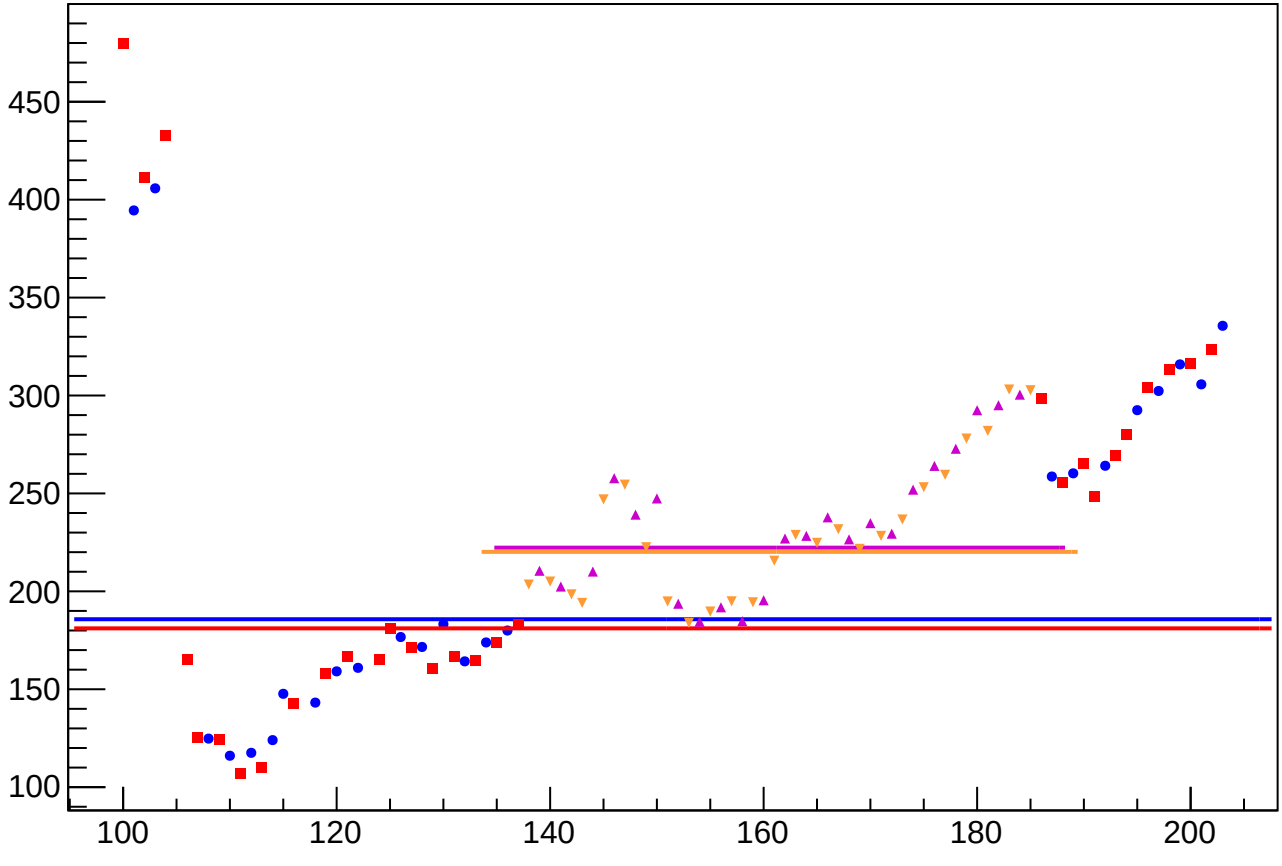
Right: 149163.338+/-0.038 χ^2/NDF: 14928283038.9

In: 151166.806+/-0.038 χ^2/NDF:11825739318.9/4

Out: 151222.448+/-0.036 χ^2/NDF:13622017567.5

All: 151196.090+/-0.026 χ^2/NDF: 25448871

yield_bpm1i06WS_rms vs Slug, Sign Corrected



Right In: 185.753+/-0.039 χ^2/NDF: 3358978.5/23

Left Out: 220.156+/-0.036 χ^2/NDF:685590.6/24

Right Out: 181.090+/-0.037 χ^2/NDF: 4016802.1/28

Left In: 222.304+/-0.037 χ^2/NDF:697605.9/22

Left: 221.189+/-0.026 χ^2/NDF: 1384916.2/47

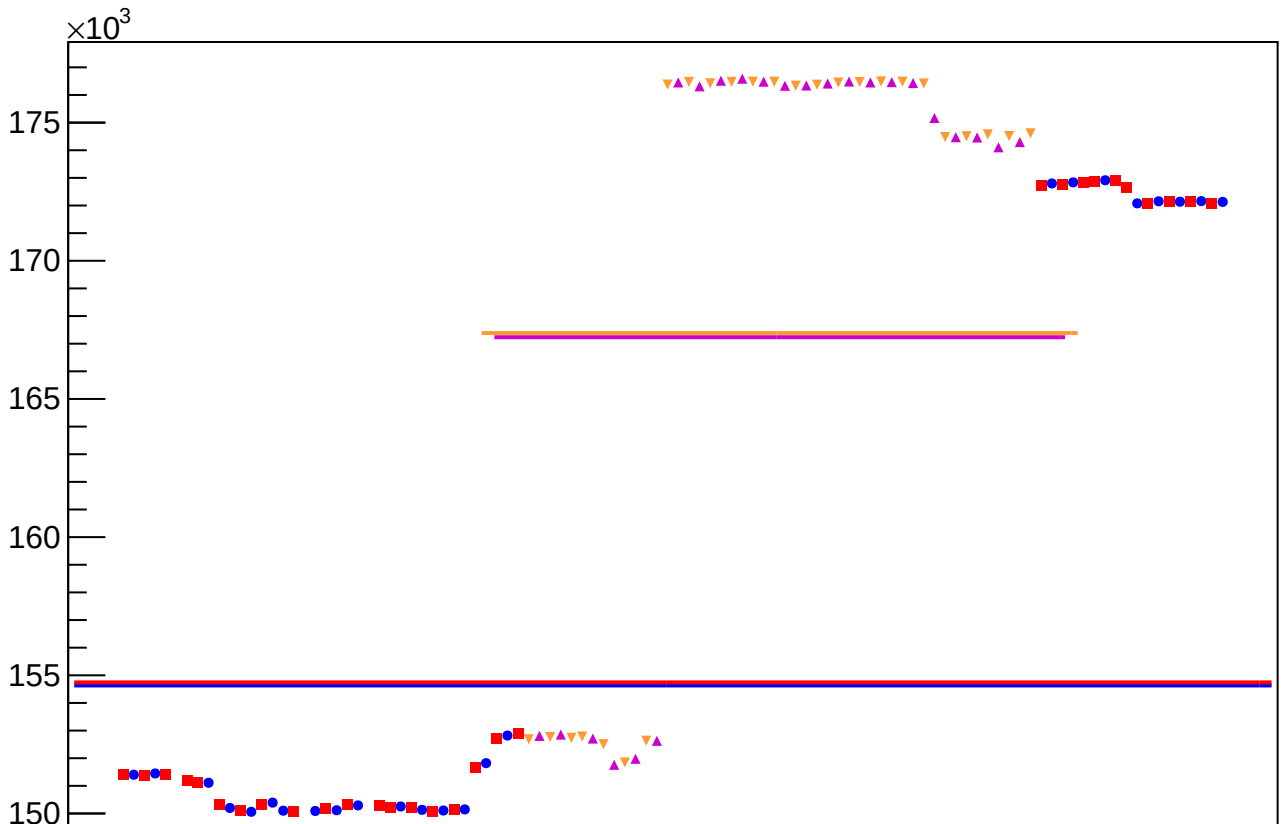
Right: 183.264+/-0.027 χ^2/NDF: 7383331.9/52

In: 204.921+/-0.027 χ^2/NDF:4512408.5/46

Out: 201.010+/-0.026 χ^2/NDF:5282036.9/53

All: 202.863+/-0.019 χ^2/NDF: 9805456.1/100

yield_bpm2i01WS_mean vs Slug, Sign Corrected



Right In: 154633.107+/-0.049 χ^2/NDF: 29933703709.2/23

Left Out: 167385.483+/-0.047 χ^2/NDF:59602607546.2/24

Right Out: 154743.501+/-0.046 χ^2/NDF: 35454072626.1/28

Left In: 167234.214+/-0.049 χ^2/NDF:55099214555.0/22

Left: 167313.229+/-0.034 χ^2/NDF: 114706826739.

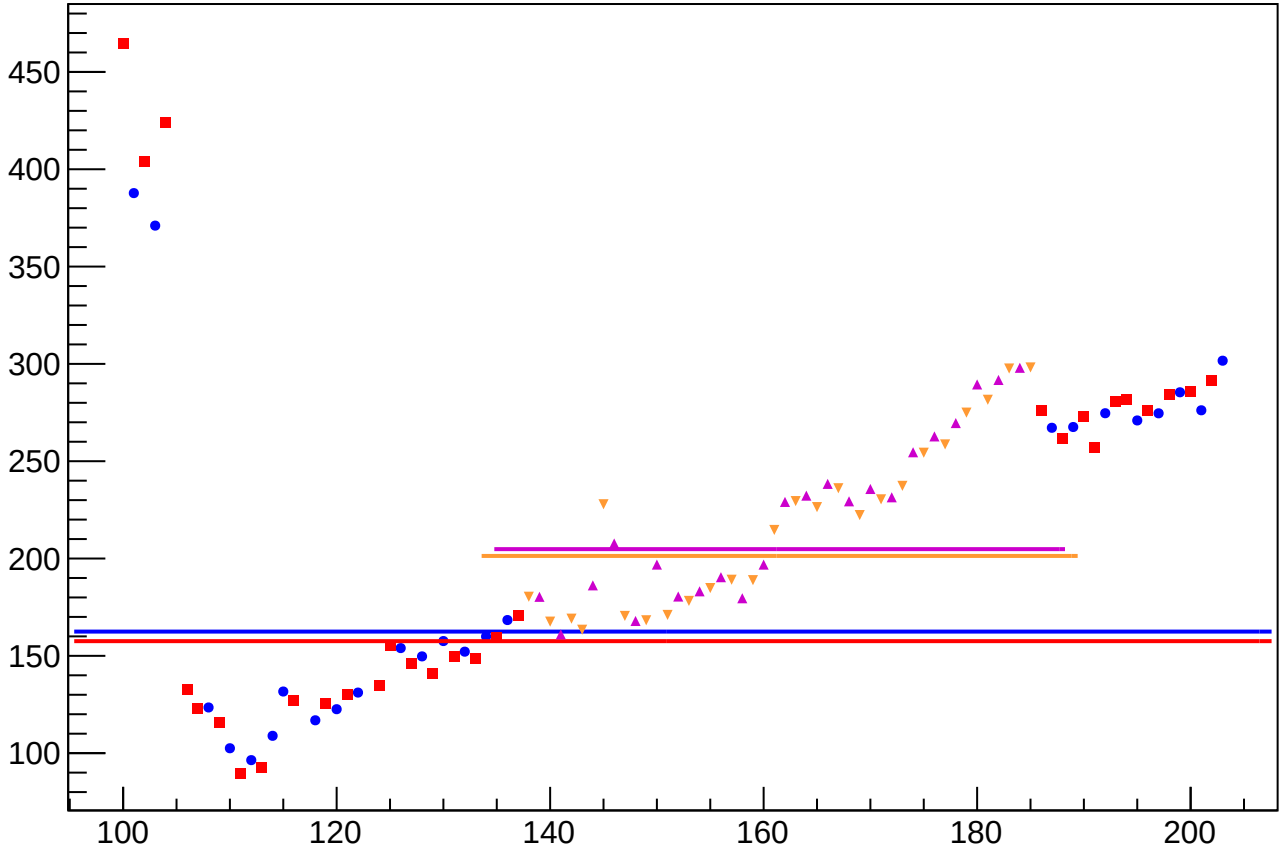
Right: 154692.239+/-0.034 χ^2/NDF: 65390467233.

In: 160982.816+/-0.035 χ^2/NDF:118016437383.9

Out: 160945.146+/-0.033 χ^2/NDF:132337549640.

All: 160962.887+/-0.024 χ^2/NDF: 25035461

yield_bpm2i01WS_rms vs Slug, Sign Corrected



Right In: 162.461+/-0.035 χ^2/NDF: 3968729.1/23

Left Out: 201.329+/-0.033 χ^2/NDF:1230655.6/24

Right Out: 157.544+/-0.032 χ^2/NDF: 4886041.6/28

Left In: 204.826+/-0.035 χ^2/NDF:1053130.7/22

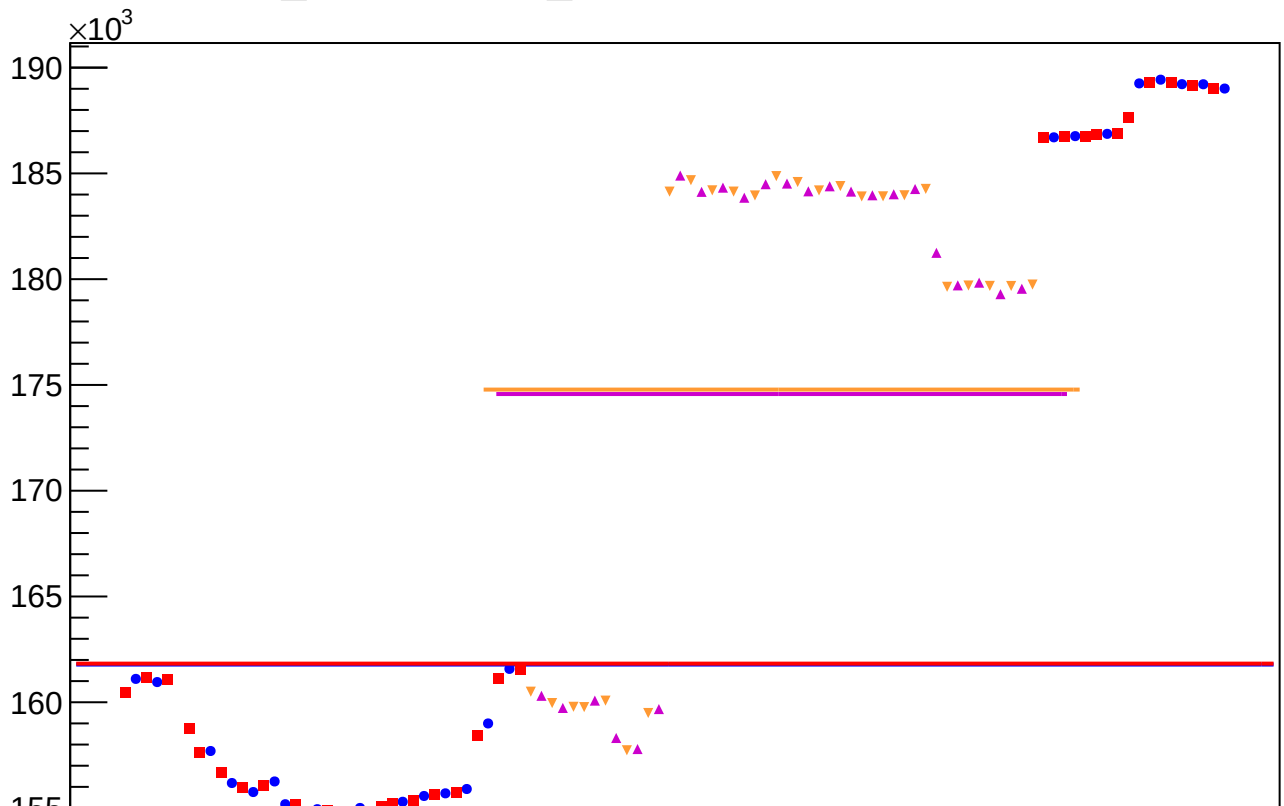
Left: 202.999+/-0.024 χ^2/NDF: 2289136.5/47

Right: 159.828+/-0.024 χ^2/NDF: 8865446.9/52

In: 183.809+/-0.025 χ^2/NDF:5767477.2/46

Out: 179.023+/-0.023 χ^2/NDF:7011072.3/53

All: 181.277+/-0.017 χ^2/NDF: 12798685.5/10



Right In: 161782.017+/-0.052 χ^2/NDF: 54009326066.7/23

Left Out: 174780.651+/-0.048 χ^2/NDF:58132787948.0/24

Right Out: 161826.058+/-0.048 χ^2/NDF: 61169834387.3/28

Left In: 174570.001+/-0.050 χ^2/NDF:54757801795.4/22

Left: 174679.876+/-0.035 χ^2/NDF: 112899724862.

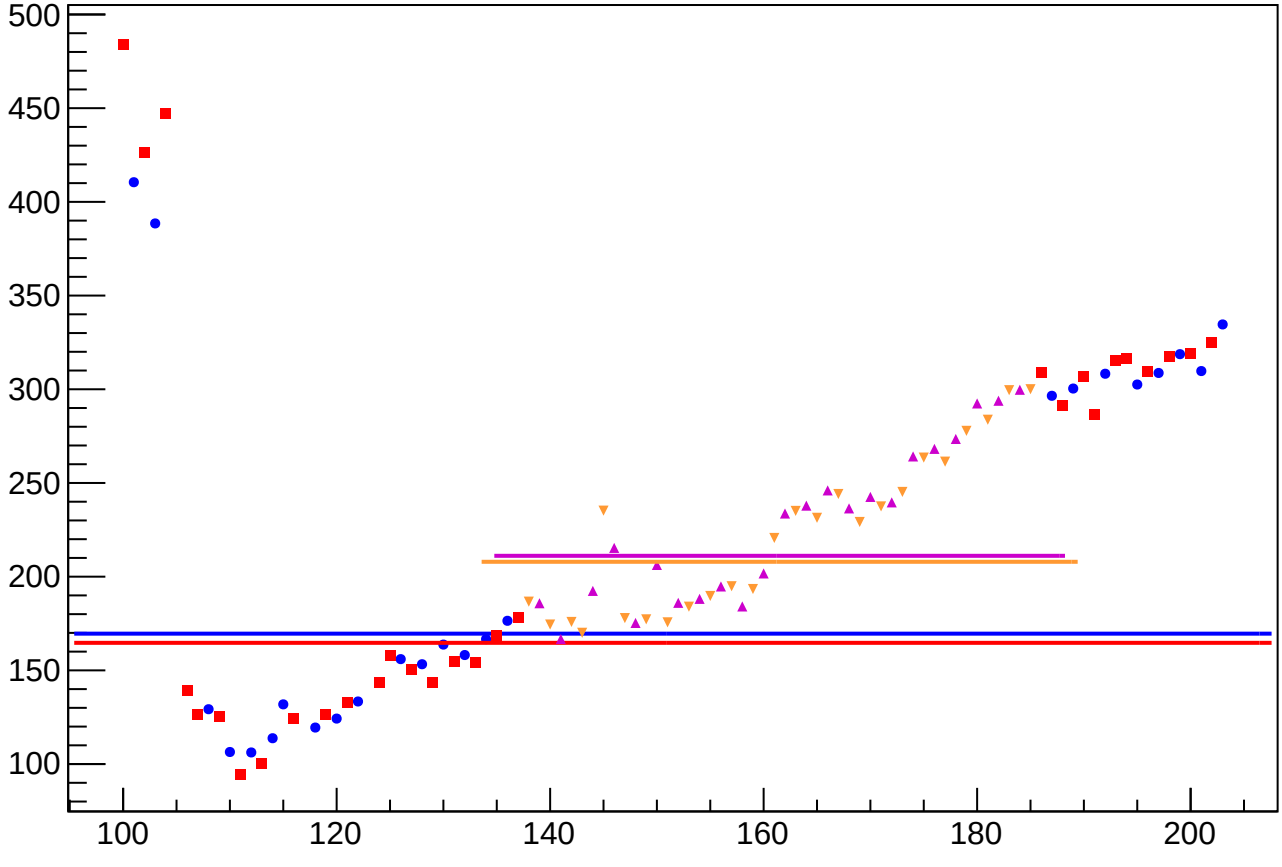
Right: 161805.573+/-0.035 χ^2/NDF: 11517954561

In: 168371.572+/-0.036 χ^2/NDF:140052361170.1

Out: 168329.155+/-0.034 χ^2/NDF:155267948537.

All: 168349.171+/-0.025 χ^2/NDF: 29532103

yield_bpm2i02WS_rms vs Slug, Sign Corrected



Right In: 169.592+/-0.037 χ^2/NDF: 4365682.1/23

Left Out: 207.940+/-0.034 χ^2/NDF:1132127.7/24

Right Out: 164.693+/-0.034 χ^2/NDF: 5334072.6/28

Left In: 211.133+/-0.036 χ^2/NDF:993720.4/22

Left: 209.467+/-0.025 χ^2/NDF: 2130047.7/47

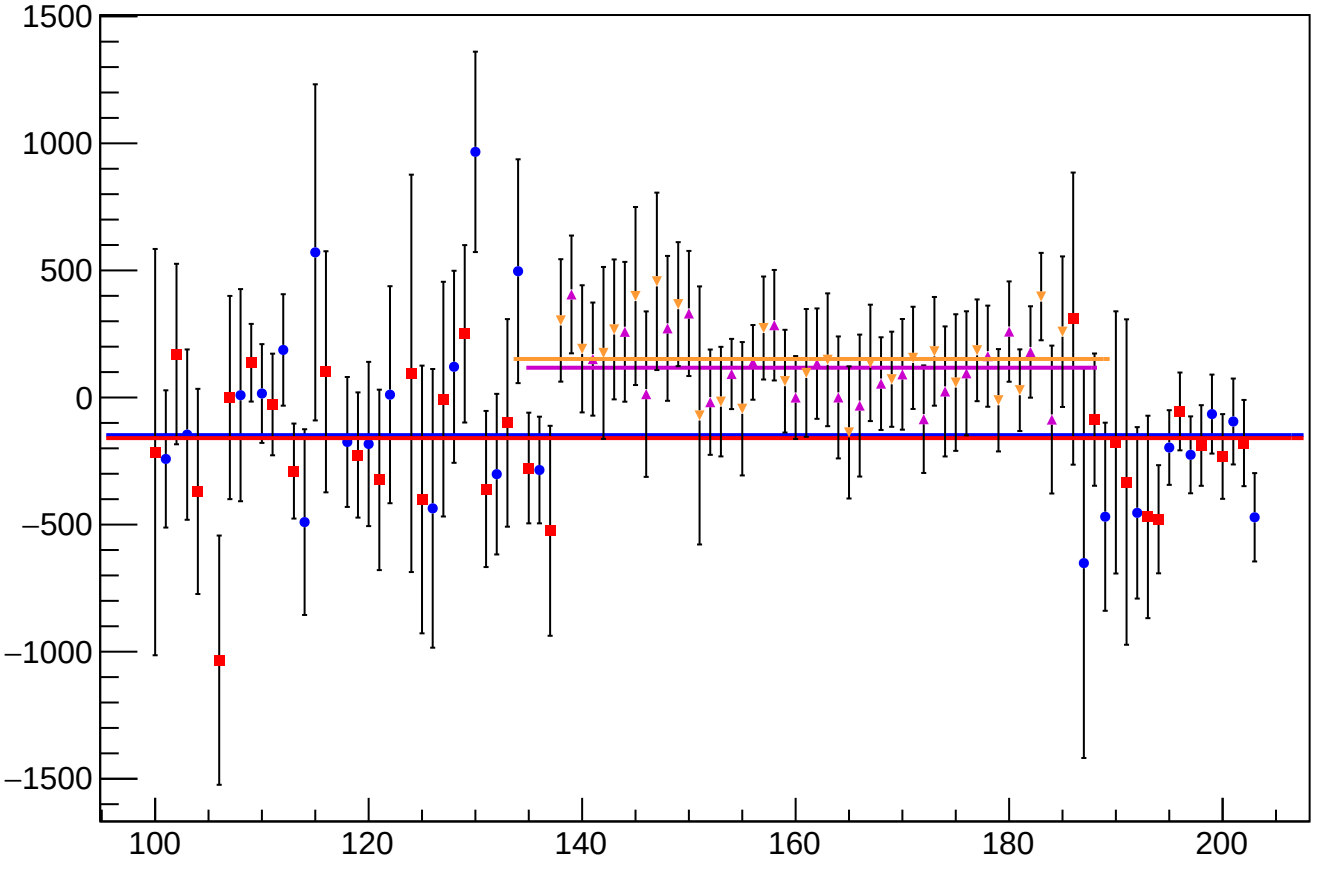
Right: 166.972+/-0.025 χ^2/NDF: 9709286.3/52

In: 190.998+/-0.026 χ^2/NDF:6019681.3/46

Out: 186.402+/-0.024 χ^2/NDF:7267827.2/53

All: 188.571+/-0.018 χ^2/NDF: 13304594.1/10

asym_bcm_target_mean vs Slug, Sign Corrected



Right In: -148.035+/-50.779 χ^2/NDF: 23.3/23

Left Out: 151.598+/-46.419 χ^2/NDF:9.6/24

Right Out: -159.789+/-48.872 χ^2/NDF: 17.5/28

Left In: 117.163+/-43.778 χ^2/NDF:7.5/22

Left: 133.373+/-31.848 χ^2/NDF: 17.4/47

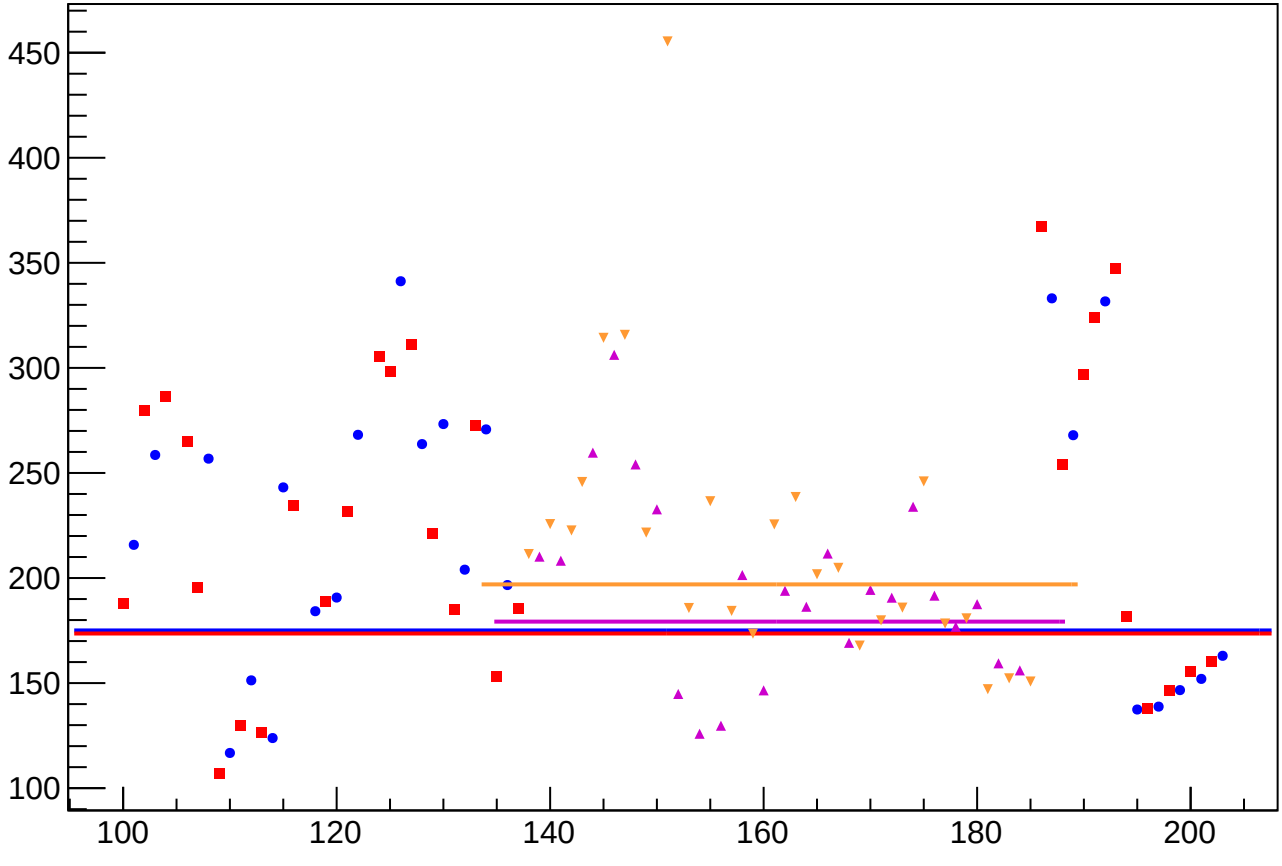
Right: -154.137+/-35.213 χ^2/NDF: 40.8/52

In: 4.093+/-33.157 χ^2/NDF:46.5/46

Out: 3.915+/-33.657 χ^2/NDF:48.4/53

All: 4.005+/-23.620 χ^2/NDF: 94.9/100

asym_bcm_target_rms vs Slug, Sign Corrected



Right In: 175.055+/-0.036 χ^2/NDF: 2165403.0/23

Left Out: 196.975+/-0.033 χ^2/NDF:1809307.4/24

Right Out: 173.596+/-0.035 χ^2/NDF: 2860999.6/28

Left In: 179.256+/-0.031 χ^2/NDF:1656023.5/22

Left: 187.597+/-0.023 χ^2/NDF: 3619571.5/47

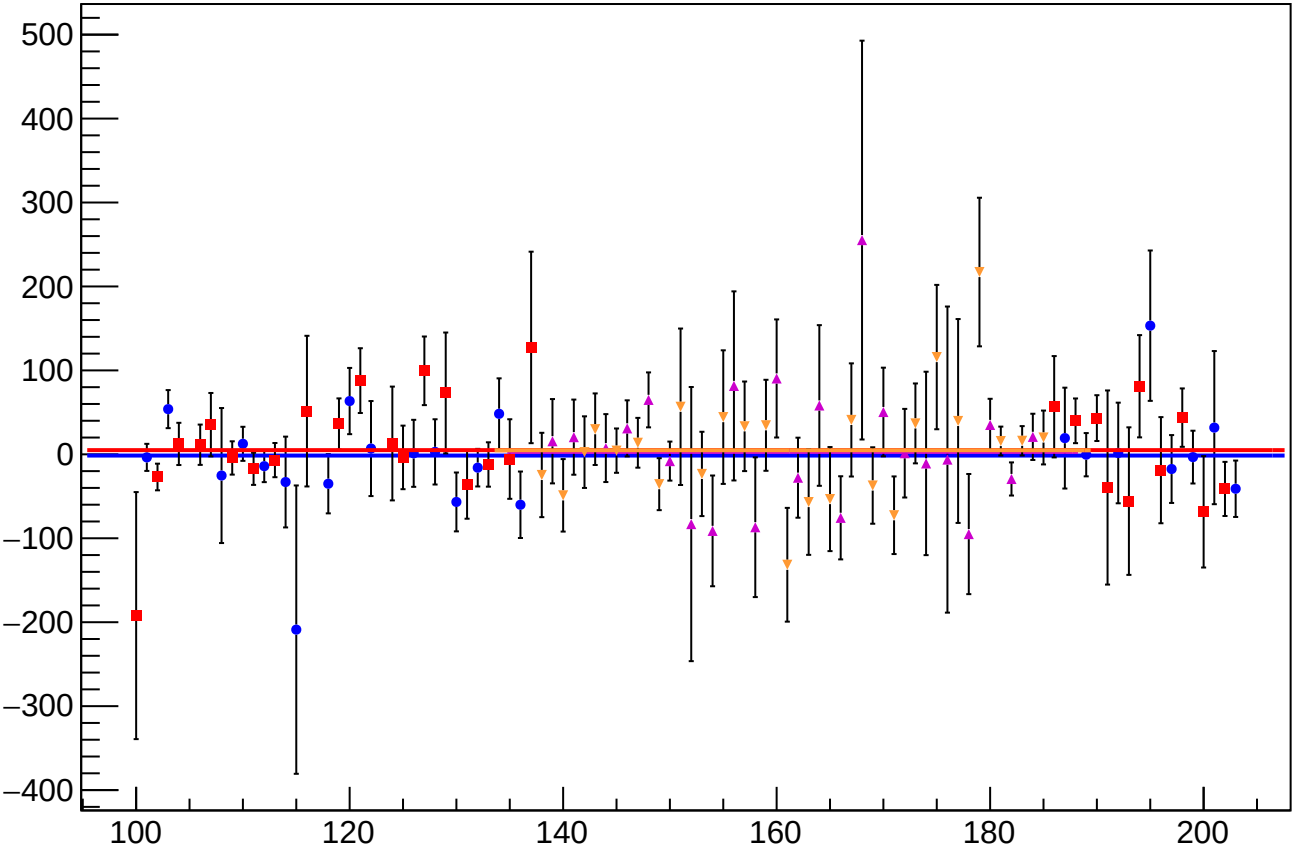
Right: 174.298+/-0.025 χ^2/NDF: 5027259.8/52

In: 177.465+/-0.023 χ^2/NDF:3829277.3/46

Out: 185.887+/-0.024 χ^2/NDF:4910918.6/53

All: 181.613+/-0.017 χ^2/NDF: 8803752.7/100

asym_bcm_an_diff_mean vs Slug, Sign Corrected



Right In: -1.449+/-6.541 χ^2/NDF: 23.7/23

Left Out: 4.803+/-7.601 χ^2/NDF:24.3/24

Right Out: 5.007+/-6.019 χ^2/NDF: 34.7/28

Left In: 2.918+/-8.840 χ^2/NDF:21.5/22

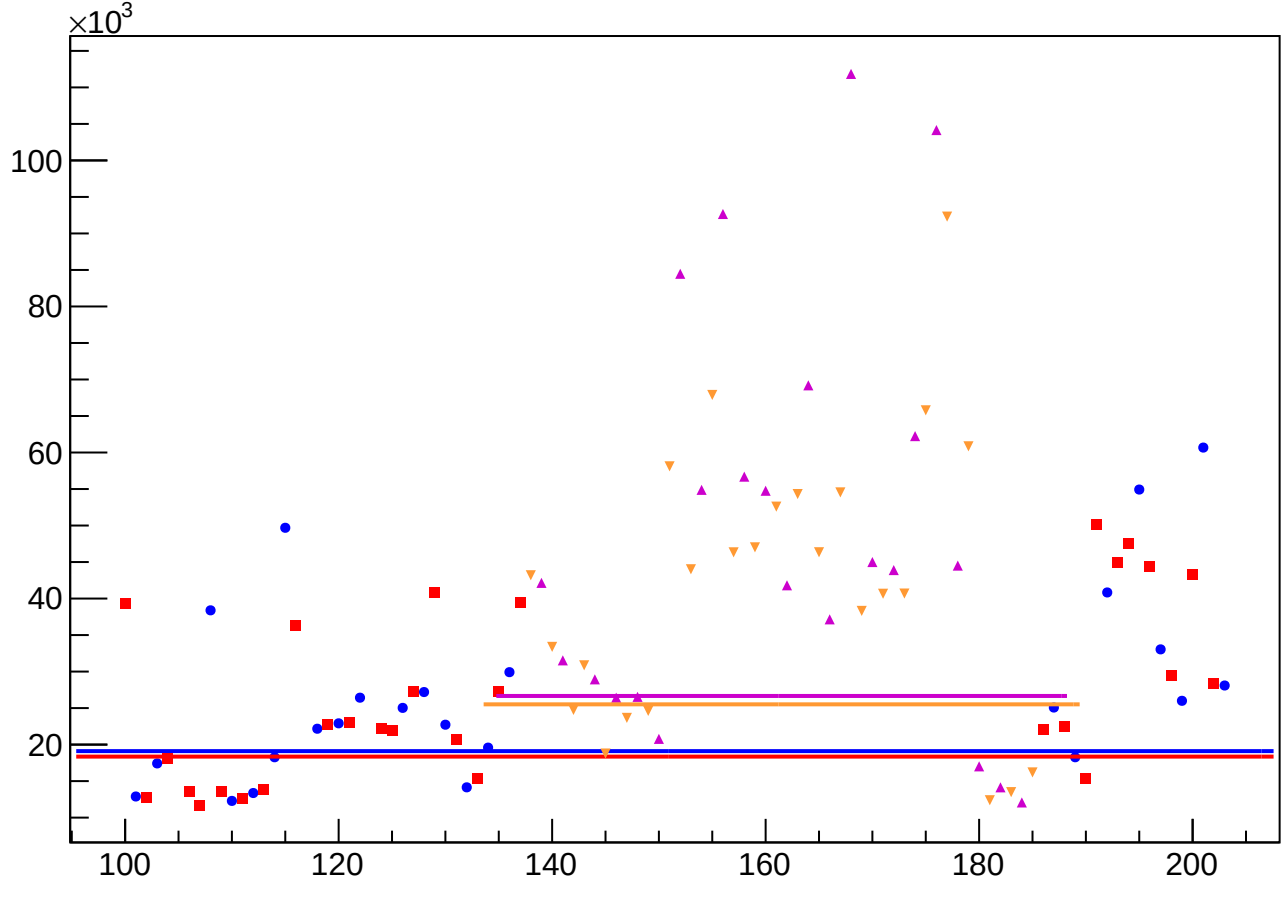
Left: 4.002+/-5.763 χ^2/NDF: 45.9/47

Right: 2.047+/-4.429 χ^2/NDF: 58.9/52

In: 0.096+/-5.258 χ^2/NDF:45.3/46

Out: 4.928+/-4.719 χ^2/NDF:59.0/53

All: 2.773+/-3.512 χ^2/NDF: 104.8/100



Right In: 19106.577+/-4.625 χ^2/NDF: 2857233.6/23

Left Out: 25512.643+/-5.375 χ^2/NDF:7742585.8/24

Right Out: 18356.203+/-4.256 χ^2/NDF: 3352690.7/28

Left In: 26660.853+/-6.251 χ^2/NDF:5883195.1/22

Left: 26000.695+/-4.075 χ^2/NDF: 13645179.5/47

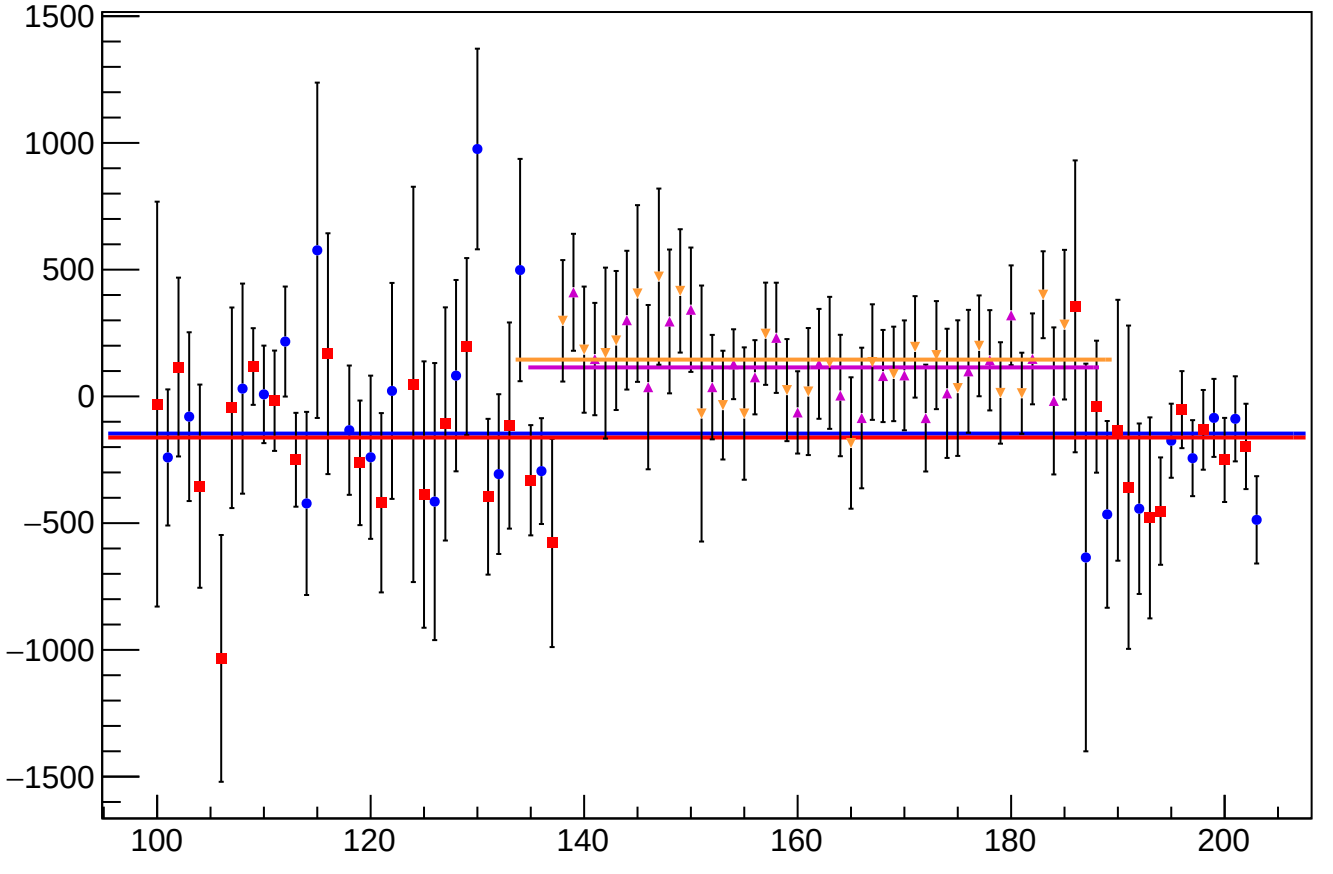
Right: 18700.246+/-3.132 χ^2/NDF: 6224177.5/52

In: 21779.106+/-3.718 χ^2/NDF:9684206.2/46

Out: 21114.064+/-3.337 χ^2/NDF:12184941.5/53

All: 21410.725+/-2.483 χ^2/NDF: 21886869.9

asym_bcm_an_ds_mean vs Slug, Sign Corrected



Right In: -146.726+/-50.438 χ^2/NDF: 24.0/23

Left Out: 145.172+/-46.225 χ^2/NDF:11.2/24

Right Out: -162.218+/-48.579 χ^2/NDF: 17.6/28

Left In: 114.400+/-43.619 χ^2/NDF:8.4/22

Left: 128.894+/-31.725 χ^2/NDF: 19.8/47

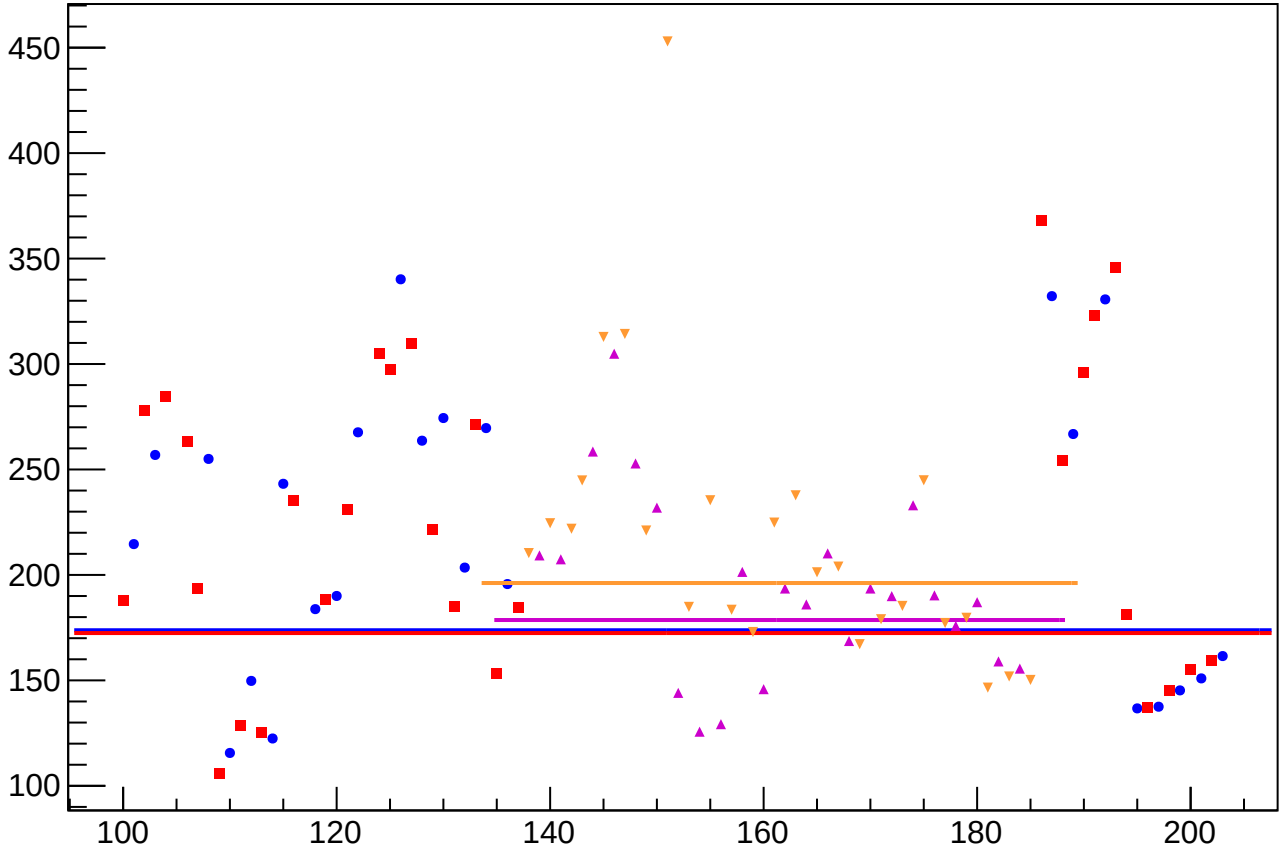
Right: -154.763+/-34.989 χ^2/NDF: 41.6/52

In: 2.668+/-32.993 χ^2/NDF:47.7/46

Out: -0.897+/-33.487 χ^2/NDF:49.8/53

All: 0.912+/-23.502 χ^2/NDF: 97.5/100

asym_bcm_an_ds_rms vs Slug, Sign Corrected



Right In: 173.770+/-0.036 χ^2/NDF: 2196270.9/23

Left Out: 196.166+/-0.033 χ^2/NDF:1806871.5/24

Right Out: 172.436+/-0.034 χ^2/NDF: 2898029.7/28

Left In: 178.621+/-0.031 χ^2/NDF:1651873.8/22

Left: 186.885+/-0.022 χ^2/NDF: 3611152.5/47

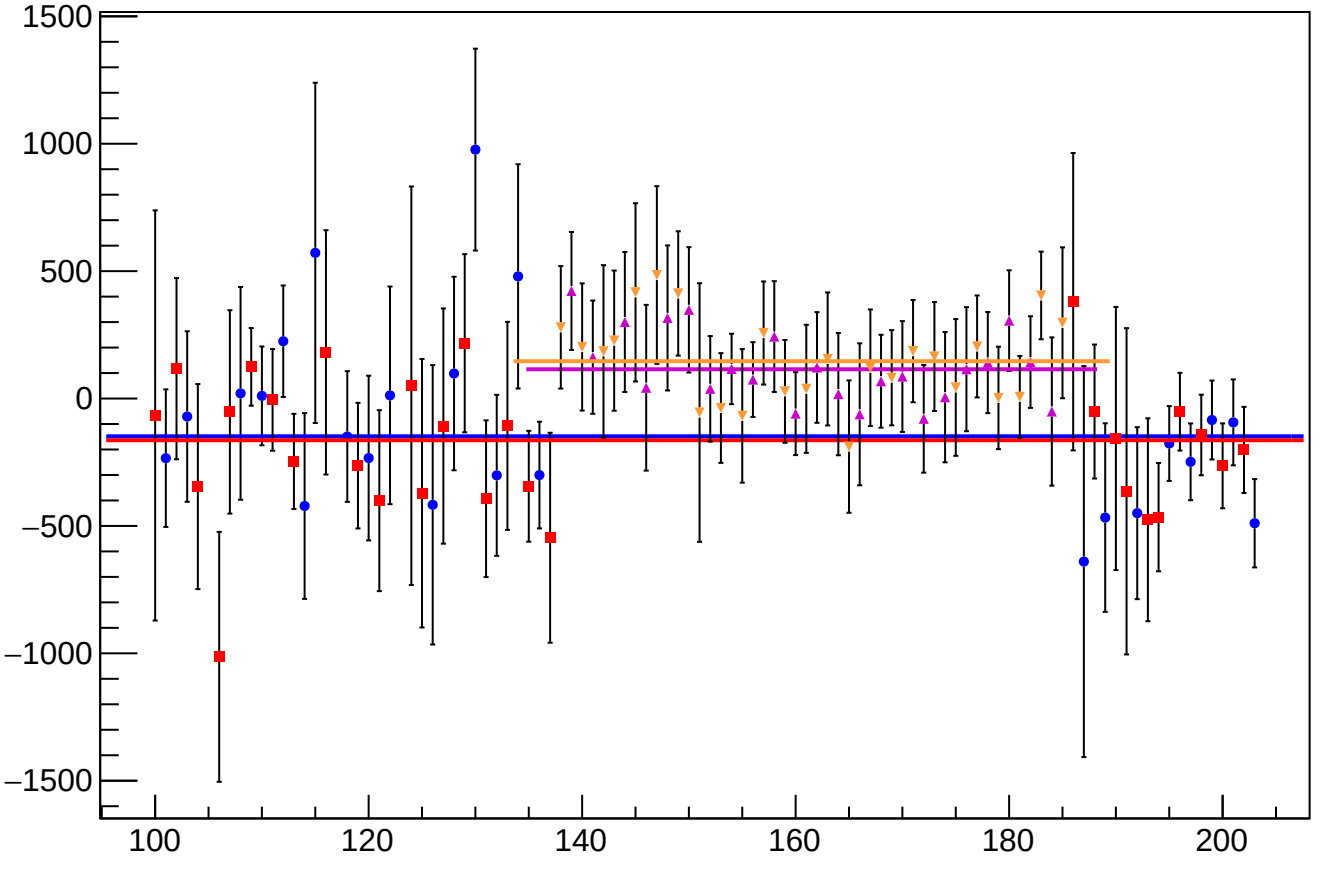
Right: 173.078+/-0.025 χ^2/NDF: 5095026.3/52

In: 176.545+/-0.023 χ^2/NDF:3858727.9/46

Out: 184.889+/-0.024 χ^2/NDF:4955347.3/53

All: 180.655+/-0.017 χ^2/NDF: 8877088.4/100

asym_bcm_an_ds3_mean vs Slug, Sign Corrected



Right In: -148.215+/-50.700 χ^2/NDF: 23.9/23

Left Out: 146.417+/-46.379 χ^2/NDF:11.4/24

Right Out: -163.659+/-48.832 χ^2/NDF: 17.8/28

Left In: 114.807+/-43.740 χ^2/NDF:8.4/22

Left: 129.688+/-31.821 χ^2/NDF: 20.1/47

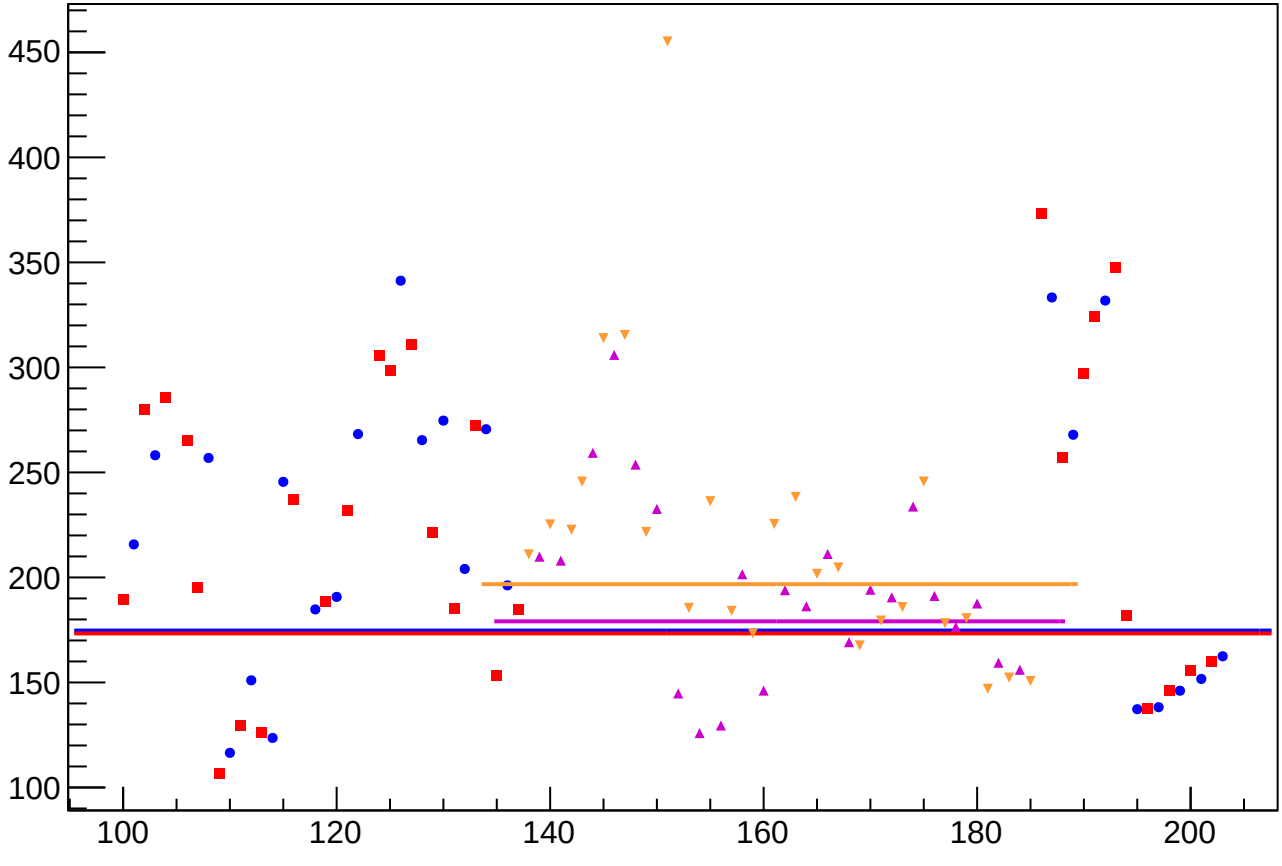
Right: -156.227+/-35.171 χ^2/NDF: 41.7/52

In: 2.575+/-33.119 χ^2/NDF:47.8/46

Out: -0.636+/-33.629 χ^2/NDF:50.4/53

All: 0.994+/-23.597 χ^2/NDF: 98.2/100

asym_bcm_an_ds3_rms vs Slug, Sign Corrected



Right In: 174.709+/-0.036 χ^2/NDF: 2186252.6/23

Left Out: 196.805+/-0.033 χ^2/NDF:1808608.7/24

Right Out: 173.344+/-0.035 χ^2/NDF: 2894351.5/28

Left In: 179.101+/-0.031 χ^2/NDF:1655866.1/22

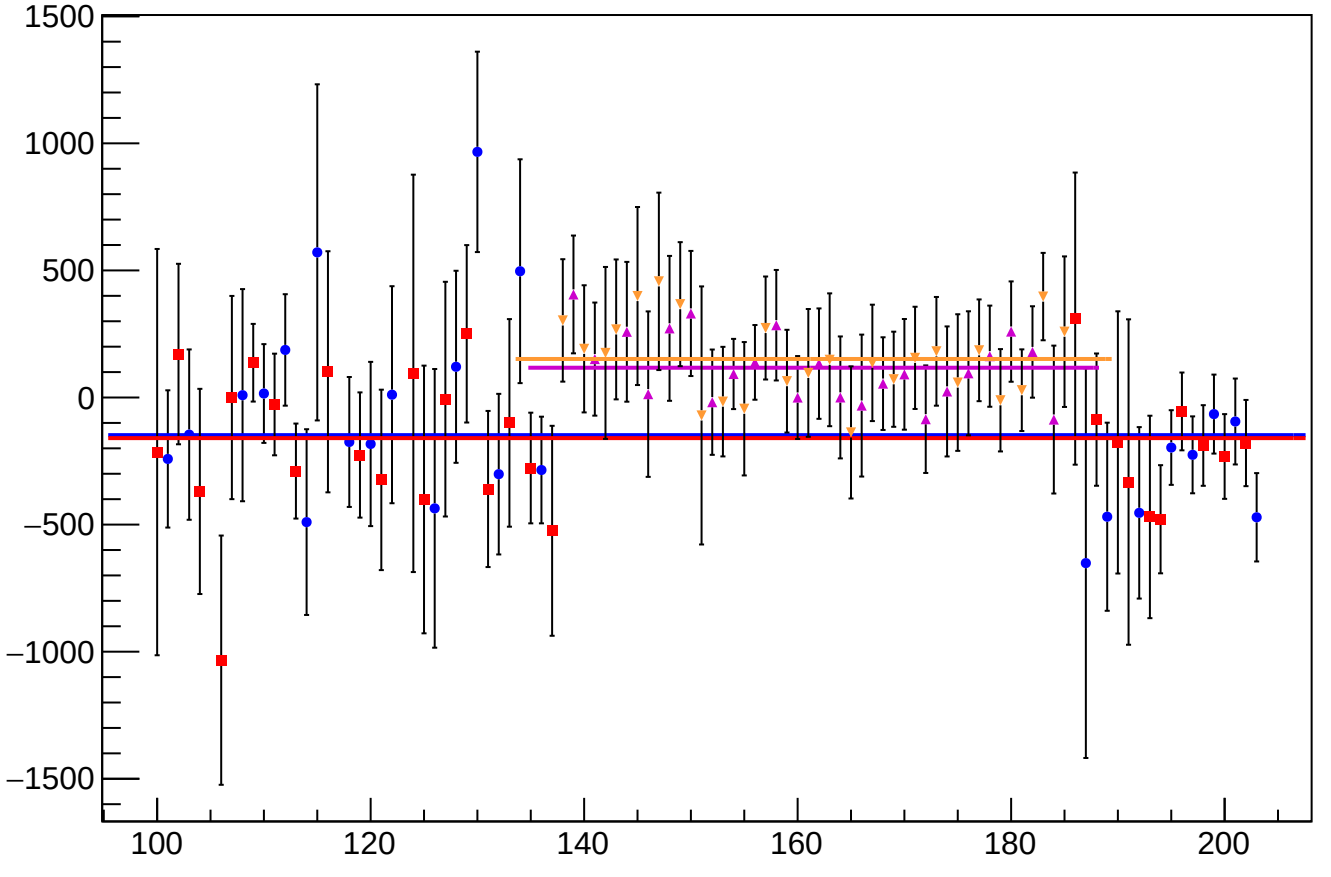
Left: 187.435+/-0.023 χ^2/NDF: 3618723.6/47

Right: 174.000+/-0.025 χ^2/NDF: 5081356.0/52

In: 177.227+/-0.023 χ^2/NDF:3850723.9/46

Out: 185.679+/-0.024 χ^2/NDF:4945687.7/53

All: 181.388+/-0.017 χ^2/NDF: 8860545.0/100



Right In: -148.035+/-50.779 χ^2/NDF: 23.3/23

Left Out: 151.598+/-46.419 χ^2/NDF:9.6/24

Right Out: -159.789+/-48.872 χ^2/NDF: 17.5/28

Left In: 117.163+/-43.778 χ^2/NDF:7.5/22

Left: 133.373+/-31.848 χ^2/NDF: 17.4/47

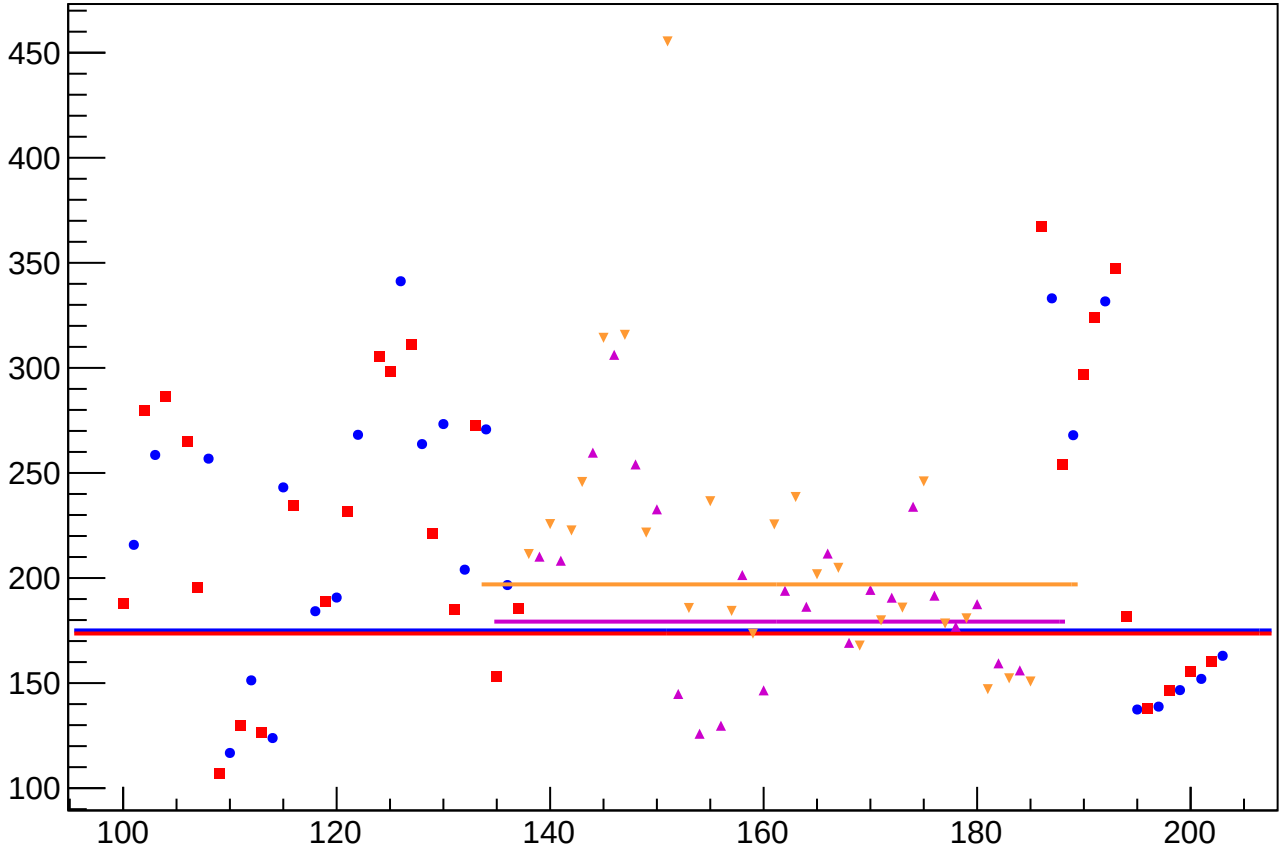
Right: -154.137+/-35.213 χ^2/NDF: 40.8/52

In: 4.093+/-33.157 χ^2/NDF:46.5/46

Out: 3.915+/-33.657 χ^2/NDF:48.4/53

All: 4.005+/-23.620 χ^2/NDF: 94.9/100

asym_bcm_an_us_rms vs Slug, Sign Corrected



Right In: 175.055+/-0.036 χ^2/NDF: 2165403.0/23

Left Out: 196.975+/-0.033 χ^2/NDF:1809307.4/24

Right Out: 173.596+/-0.035 χ^2/NDF: 2860999.6/28

Left In: 179.256+/-0.031 χ^2/NDF:1656023.5/22

Left: 187.597+/-0.023 χ^2/NDF: 3619571.5/47

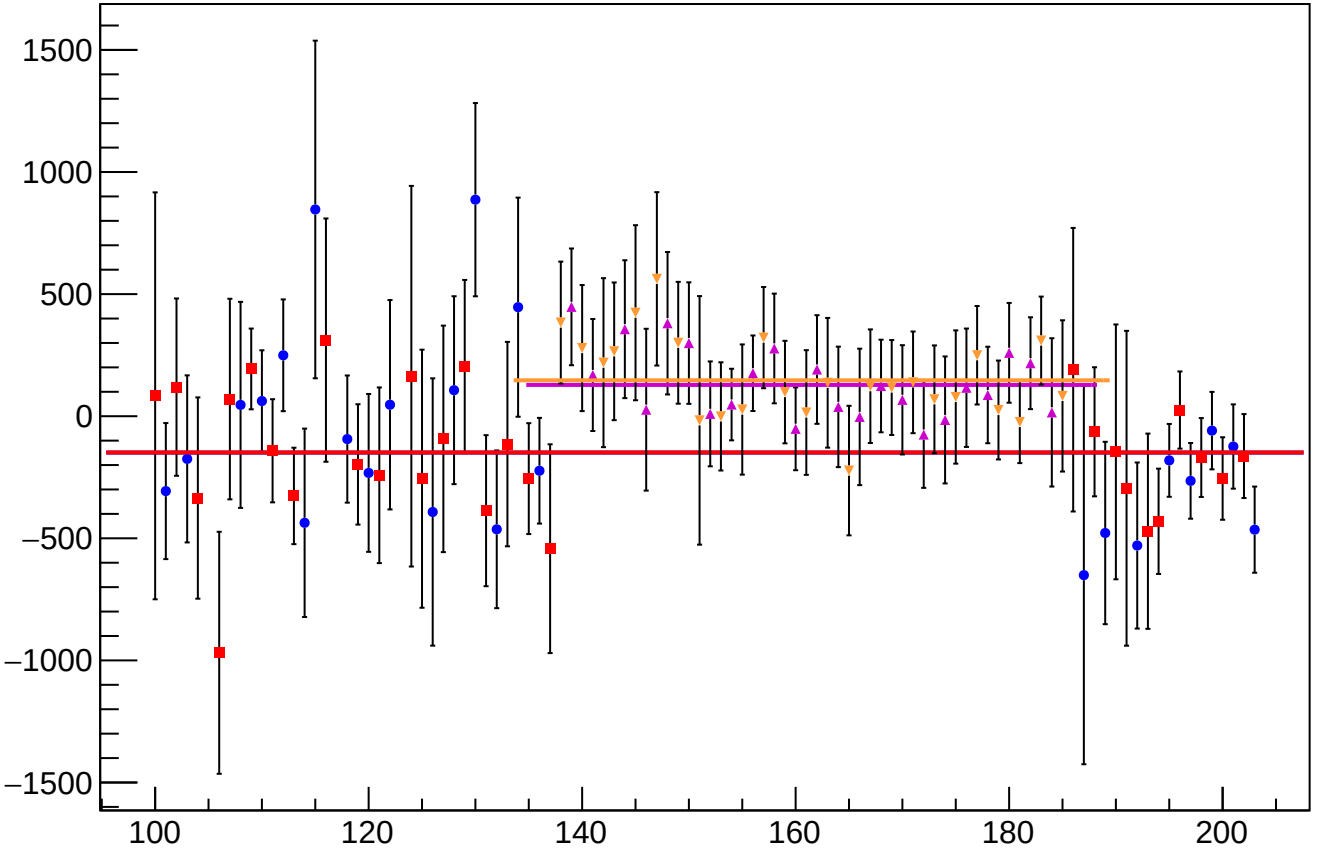
Right: 174.298+/-0.025 χ^2/NDF: 5027259.8/52

In: 177.465+/-0.023 χ^2/NDF:3829277.3/46

Out: 185.887+/-0.024 χ^2/NDF:4910918.6/53

All: 181.613+/-0.017 χ^2/NDF: 8803752.7/100

asym_bcm_dg_us_mean vs Slug, Sign Corrected



Right In: -148.969+/-52.008 χ^2/NDF: 24.5/23

Left Out: 146.973+/-47.709 χ^2/NDF:10.2/24

Right Out: -148.412+/-50.311 χ^2/NDF: 17.3/28

Left In: 128.159+/-45.200 χ^2/NDF:8.6/22

Left: 137.058+/-32.812 χ^2/NDF: 18.8/47

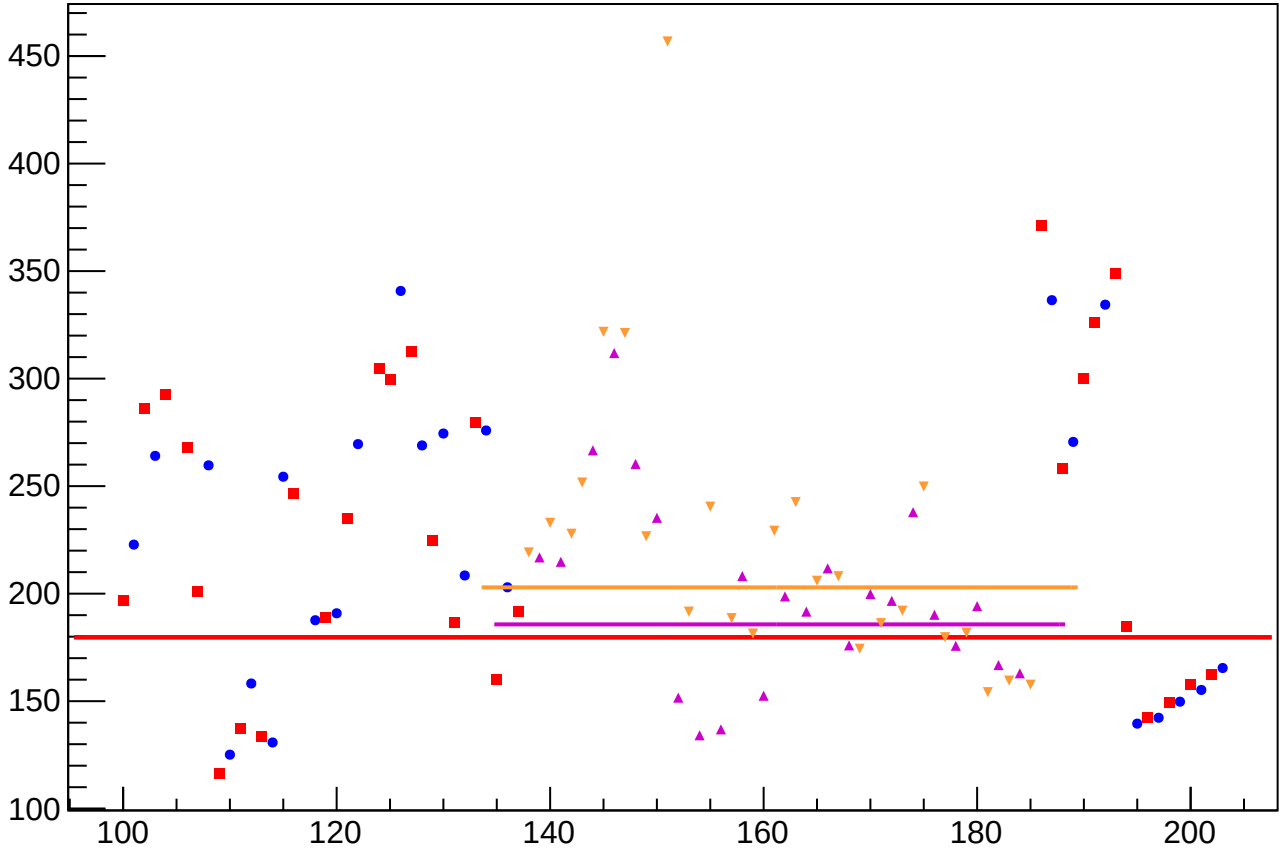
Right: -148.681+/-36.161 χ^2/NDF: 41.7/52

In: 8.909+/-34.116 χ^2/NDF:49.2/46

Out: 7.118+/-34.619 χ^2/NDF:45.6/53

All: 8.027+/-24.299 χ^2/NDF: 94.8/100

asym_bcm_dg_us_rms vs Slug, Sign Corrected



Right In: 179.721+/-0.037 χ^2/NDF: 2071058.0/23

Left Out: 202.920+/-0.034 χ^2/NDF:1700115.2/24

Right Out: 179.643+/-0.036 χ^2/NDF: 2640658.3/28

Left In: 185.716+/-0.032 χ^2/NDF:1489487.2/22

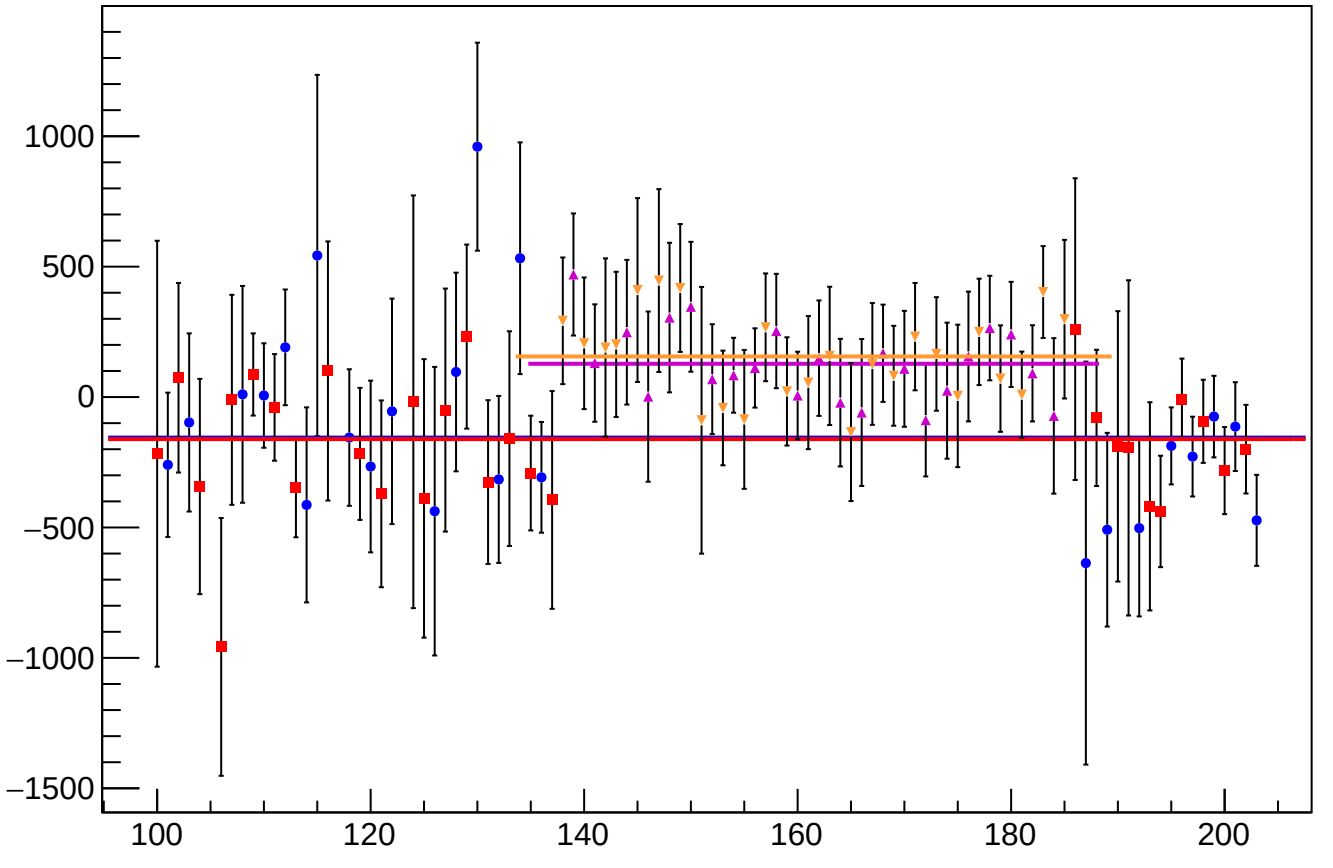
Left: 193.854+/-0.023 χ^2/NDF: 3326661.1/47

Right: 179.681+/-0.026 χ^2/NDF: 4711718.6/52

In: 183.136+/-0.024 χ^2/NDF:3575682.8/46

Out: 191.899+/-0.024 χ^2/NDF:4566197.8/53

All: 187.454+/-0.017 χ^2/NDF: 8206887.6/100



Right In: -155.417+/-51.354 χ^2/NDF: 23.0/23

Left Out: 155.646+/-47.263 χ^2/NDF:10.7/24

Right Out: -161.166+/-49.492 χ^2/NDF: 14.7/28

Left In: 127.660+/-44.698 χ^2/NDF:8.0/22

Left: 140.872+/-32.475 χ^2/NDF: 18.8/47

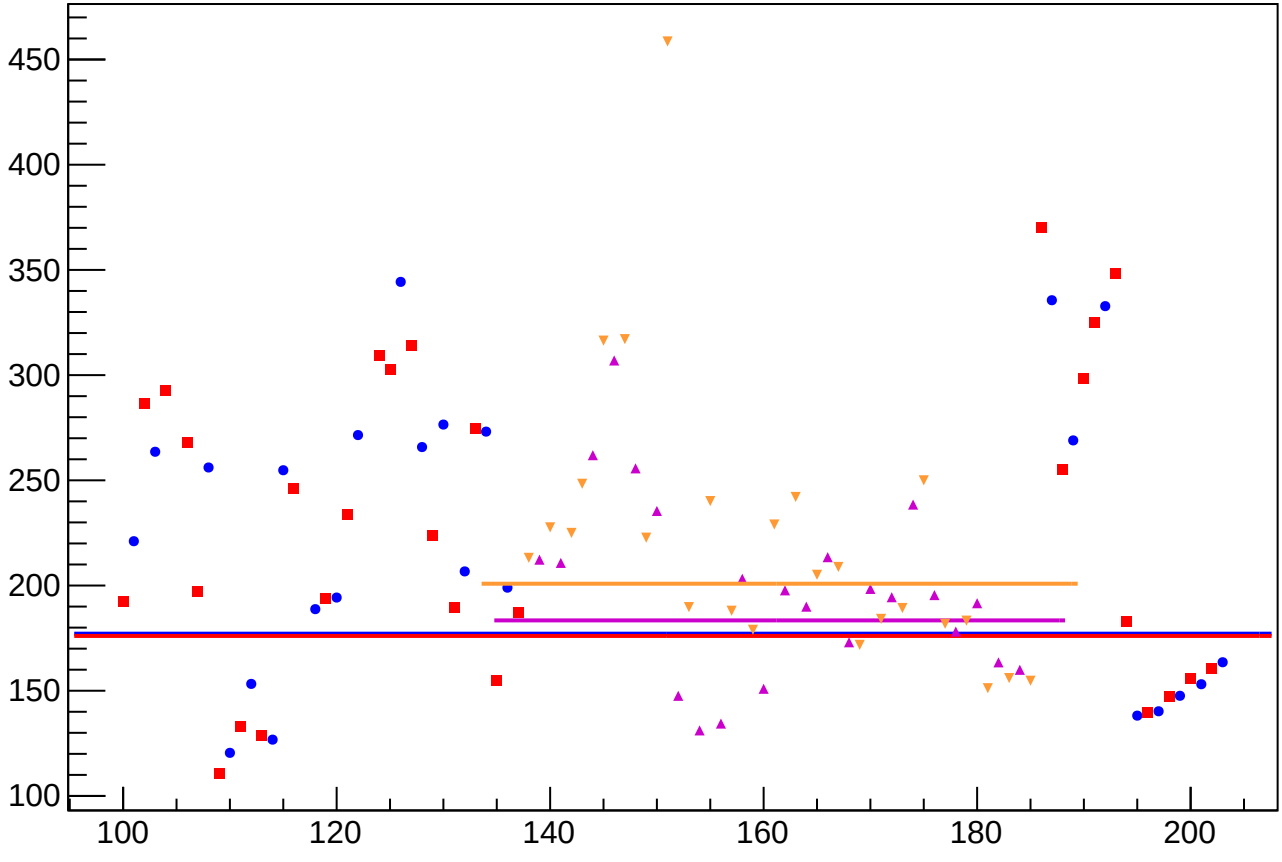
Right: -158.398+/-35.636 χ^2/NDF: 37.8/52

In: 5.645+/-33.716 χ^2/NDF:48.3/46

Out: 4.535+/-34.181 χ^2/NDF:46.8/53

All: 5.097+/-24.003 χ^2/NDF: 95.1/100

asym_bcm_dg_ds_rms vs Slug, Sign Corrected



Right In: 177.117+/-0.036 χ^2/NDF: 2156047.4/23

Left Out: 200.865+/-0.033 χ^2/NDF:1727404.3/24

Right Out: 176.044+/-0.035 χ^2/NDF: 2817901.3/28

Left In: 183.433+/-0.032 χ^2/NDF:1530678.8/22

Left: 191.663+/-0.023 χ^2/NDF: 3401689.7/47

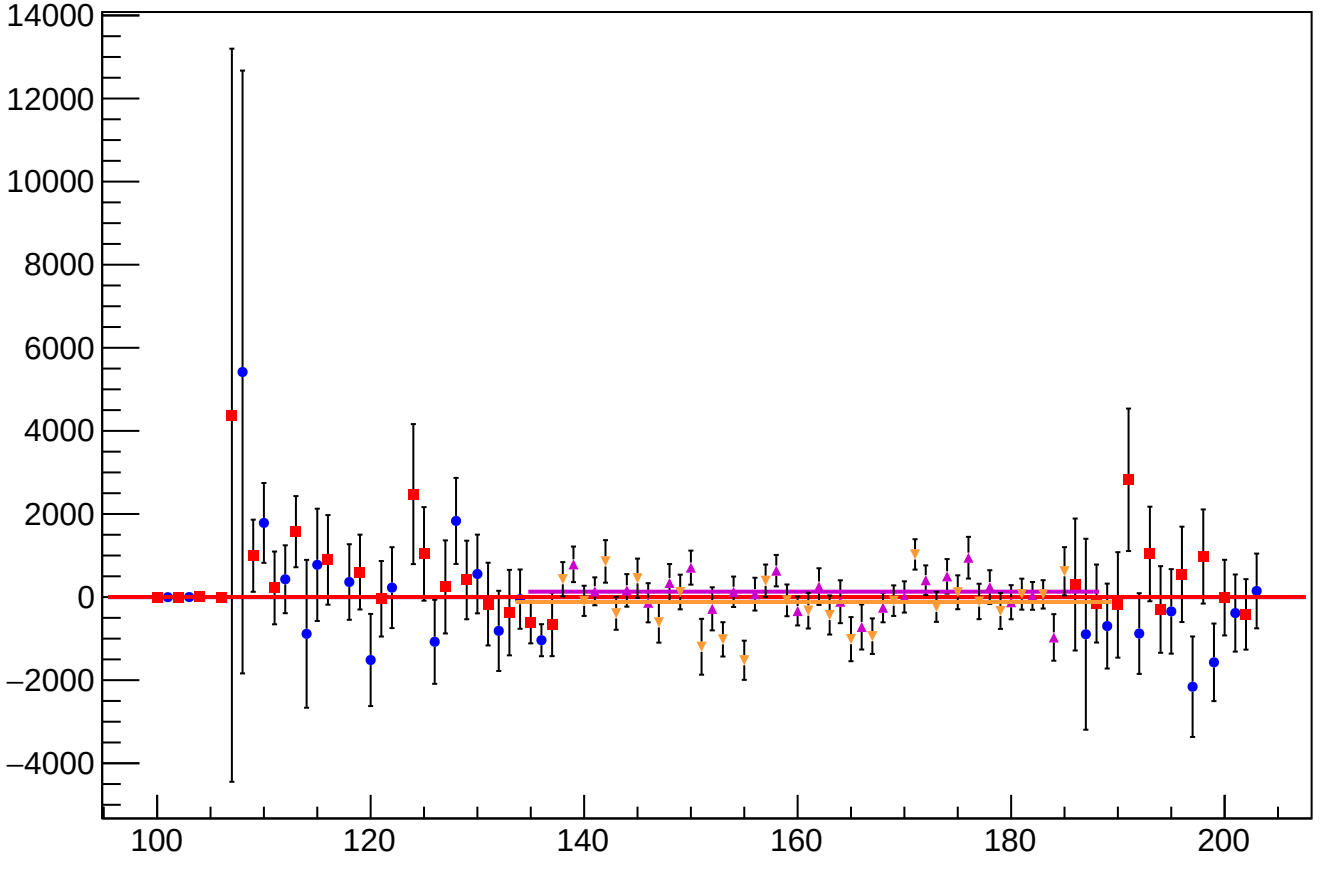
Right: 176.561+/-0.025 χ^2/NDF: 4974401.2/52

In: 180.711+/-0.024 χ^2/NDF:3703941.8/46

Out: 189.026+/-0.024 χ^2/NDF:4808396.0/53

All: 184.811+/-0.017 χ^2/NDF: 8572328.0/100

asym_cav4bQ_mean vs Slug, Sign Corrected



Right In: -1.265+/-2.171 χ^2/NDF: 27.7/23

Left Out: -117.658+/-84.207 χ^2/NDF:46.4/24

Right Out: 1.385+/-2.022 χ^2/NDF: 21.8/28

Left In: 129.738+/-85.075 χ^2/NDF:21.7/22

Left: 4.773+/-59.848 χ^2/NDF: 72.3/47

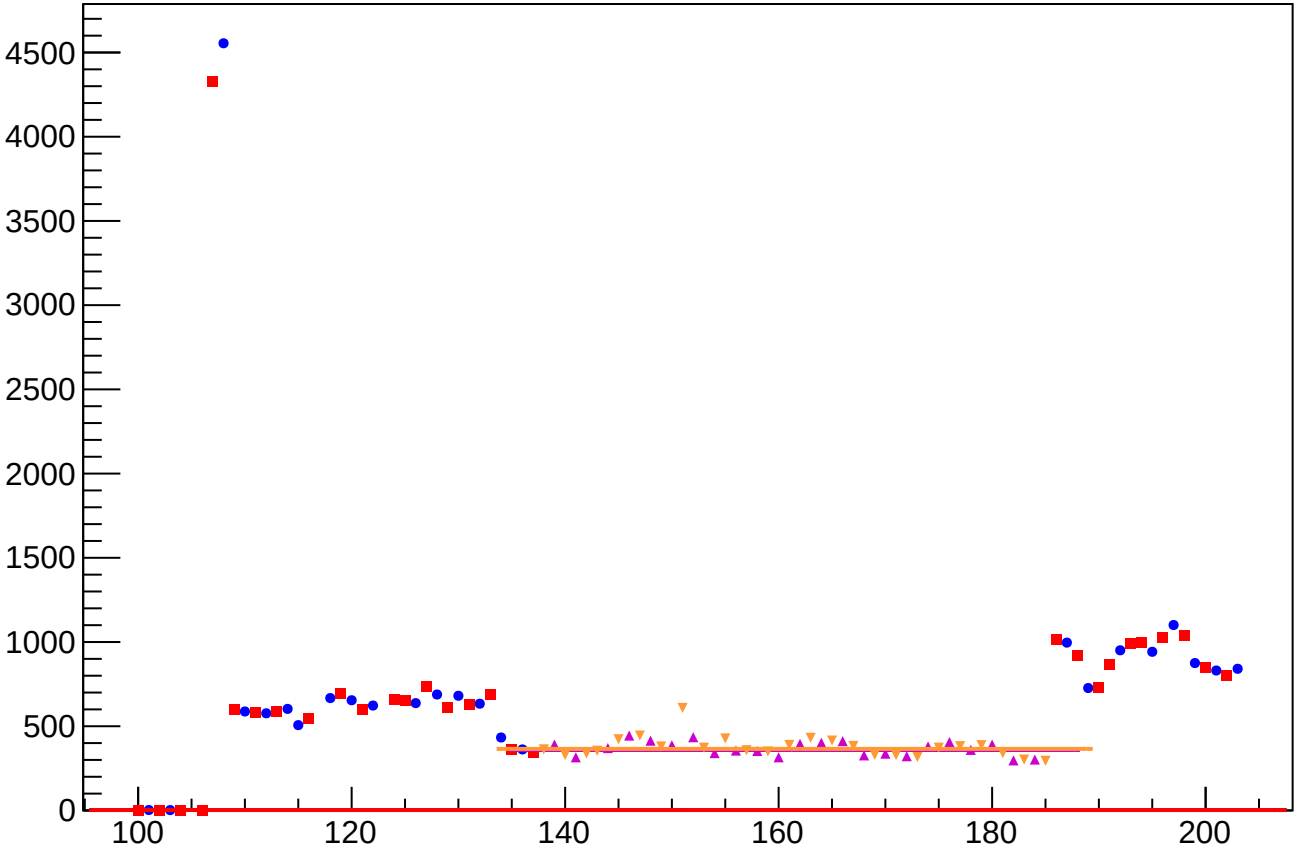
Right: 0.154+/-1.480 χ^2/NDF: 50.2/52

In: -1.180+/-2.170 χ^2/NDF:51.7/46

Out: 1.316+/-2.022 χ^2/NDF:70.1/53

All: 0.156+/-1.479 χ^2/NDF: 122.5/100

asym_cav4bQ_rms vs Slug, Sign Corrected



Right In: 2.508+/-0.002 χ^2/NDF: 23346188.0/23

Left Out: 365.603+/-0.060 χ^2/NDF:668124.0/24

Right Out: 2.493+/-0.001 χ^2/NDF: 25500076.8/28

Left In: 359.024+/-0.060 χ^2/NDF:446263.1/22

Left: 362.347+/-0.042 χ^2/NDF: 1120429.0/47

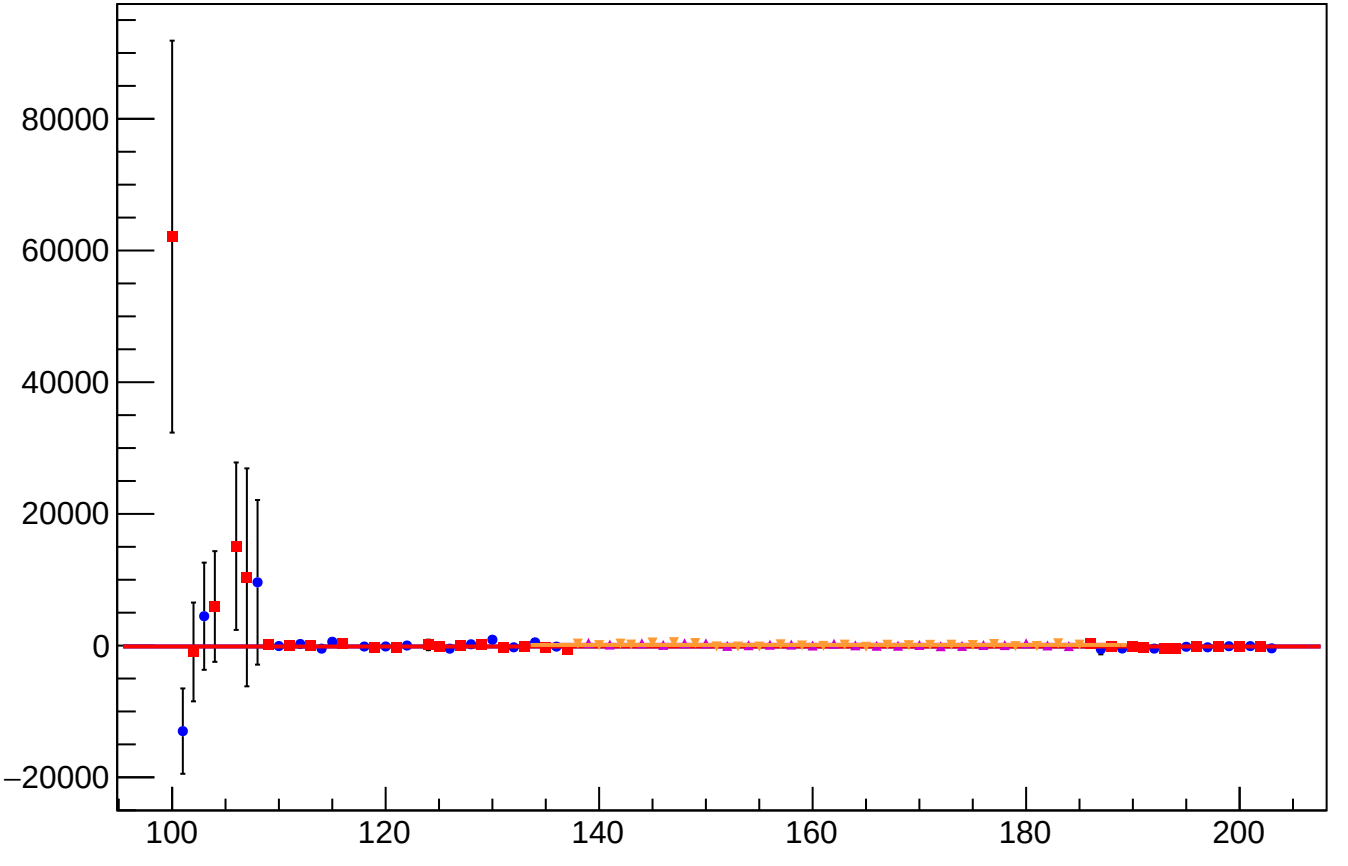
Right: 2.500+/-0.001 χ^2/NDF: 48846311.9/52

In: 2.740+/-0.002 χ^2/NDF:58892345.5/46

Out: 2.702+/-0.001 χ^2/NDF:63334906.7/53

All: 2.720+/-0.001 χ^2/NDF: 122227564.3/100

asym_cav4cQ_mean vs Slug, Sign Corrected



Right In: -130.088+/-56.602 χ^2/NDF: 23.9/23

Left Out: 99.601+/-48.250 χ^2/NDF:12.7/24

Right Out: -134.763+/-55.251 χ^2/NDF: 18.3/28

Left In: 119.345+/-46.957 χ^2/NDF:9.3/22

Left: 109.741+/-33.651 χ^2/NDF: 22.1/47

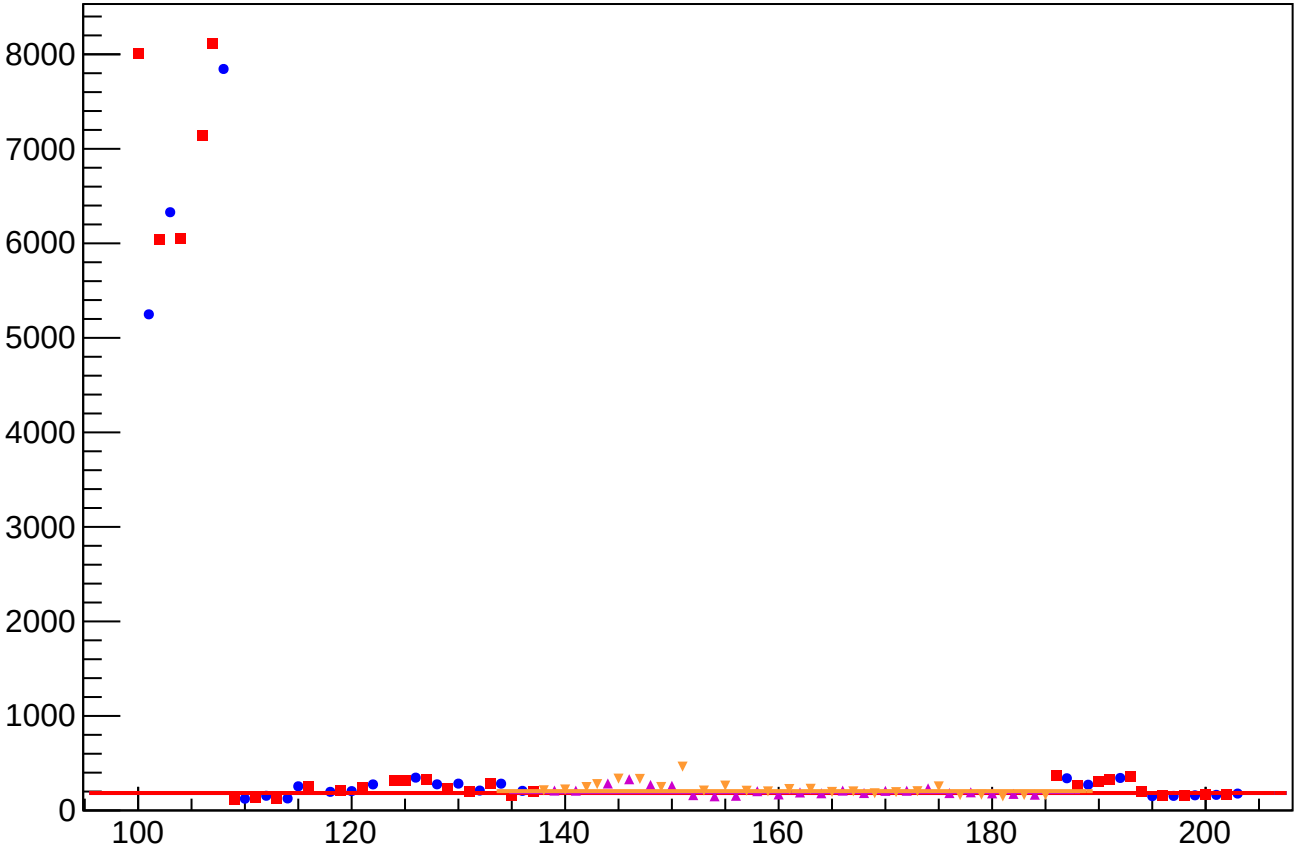
Right: -132.482+/-39.537 χ^2/NDF: 42.3/52

In: 17.659+/-36.140 χ^2/NDF:44.7/46

Out: -1.800+/-36.343 χ^2/NDF:41.3/53

All: 7.984+/-25.626 χ^2/NDF: 86.2/100

asym_cav4cQ_rms vs Slug, Sign Corrected



Right In: 184.354+/-0.040 χ^2/NDF: 4819869.8/23

Left Out: 204.581+/-0.034 χ^2/NDF:1975114.7/24

Right Out: 184.763+/-0.039 χ^2/NDF: 5501848.3/28

Left In: 193.895+/-0.033 χ^2/NDF:1191589.3/22

Left: 199.093+/-0.024 χ^2/NDF: 3217084.5/47

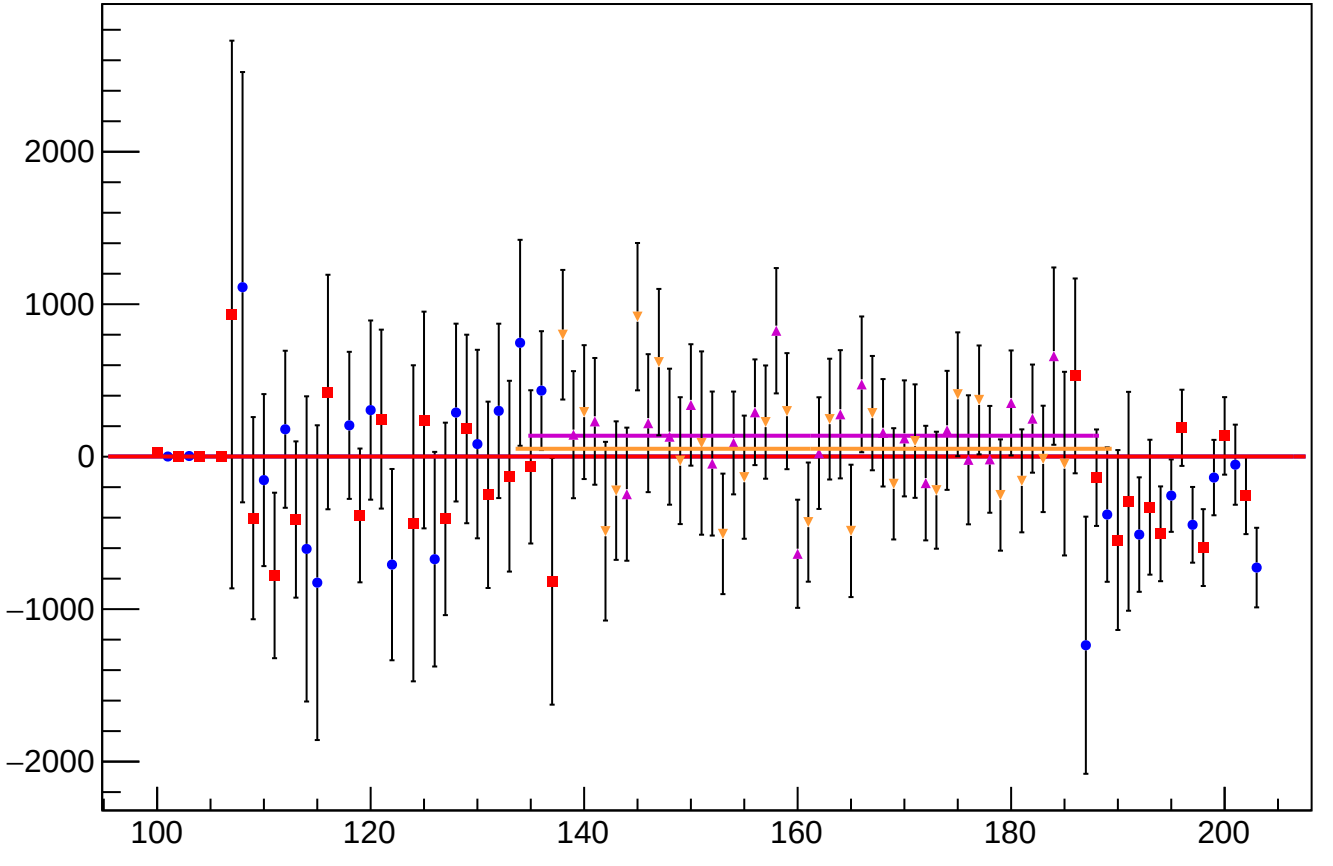
Right: 184.563+/-0.028 χ^2/NDF: 10321771.3/52

In: 190.006+/-0.026 χ^2/NDF:6045118.1/46

Out: 196.006+/-0.026 χ^2/NDF:7622954.2/53

All: 192.989+/-0.018 χ^2/NDF: 13695486.8/10

asym_cav4dQ_mean vs Slug, Sign Corrected



Right In: 1.365+/-1.660 χ^2/NDF: 25.2/23

Left Out: 51.829+/-81.555 χ^2/NDF:19.4/24

Right Out: 1.053+/-1.528 χ^2/NDF: 21.7/28

Left In: 137.399+/-82.111 χ^2/NDF:12.2/22

Left: 94.324+/-57.864 χ^2/NDF: 32.2/47

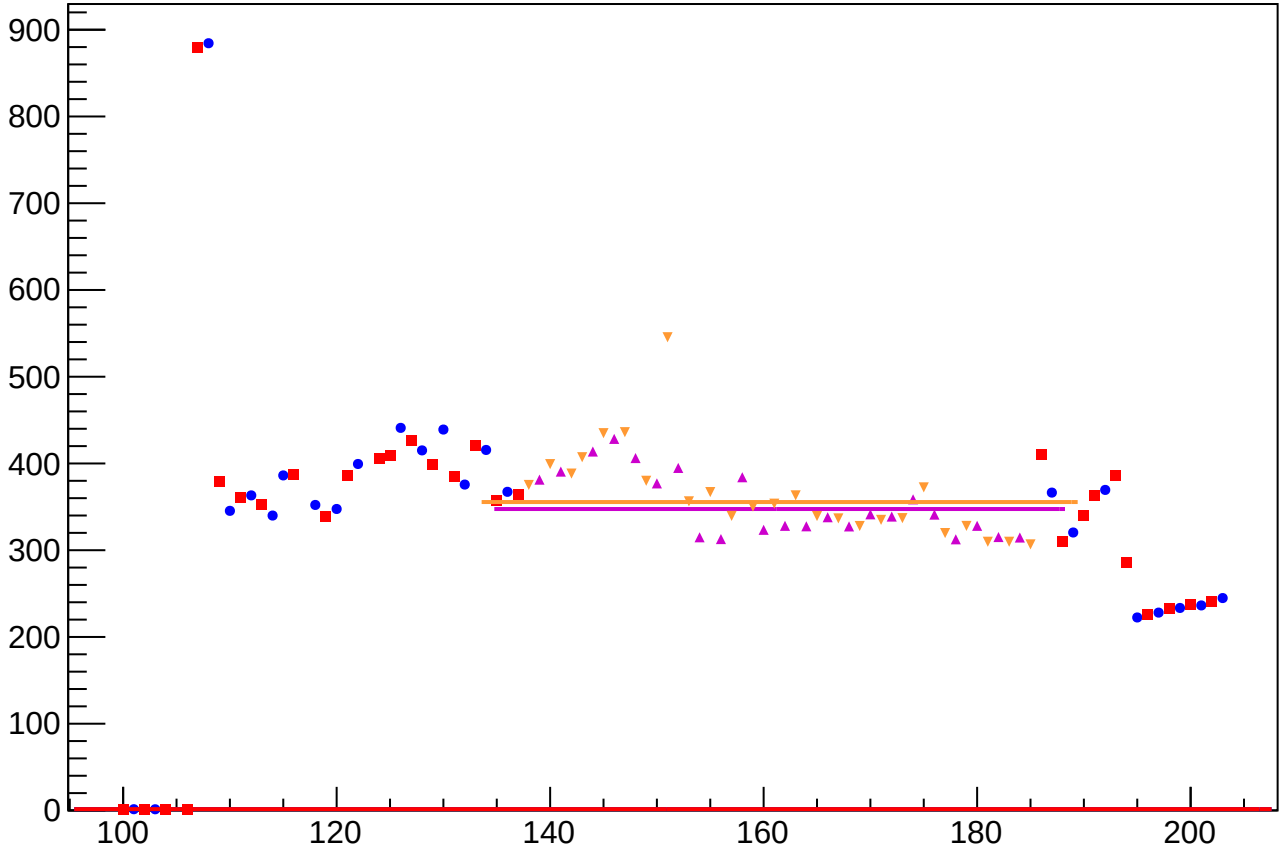
Right: 1.196+/-1.124 χ^2/NDF: 47.0/52

In: 1.421+/-1.660 χ^2/NDF:40.1/46

Out: 1.071+/-1.527 χ^2/NDF:41.6/53

All: 1.231+/-1.124 χ^2/NDF: 81.7/100

asym_cav4dQ_rms vs Slug, Sign Corrected



Right In: 1.534+/-0.001 χ^2/NDF: 23569013.7/23

Left Out: 355.535+/-0.058 χ^2/NDF:528878.5/24

Right Out: 1.526+/-0.001 χ^2/NDF: 25136026.7/28

Left In: 347.484+/-0.058 χ^2/NDF:344530.3/22

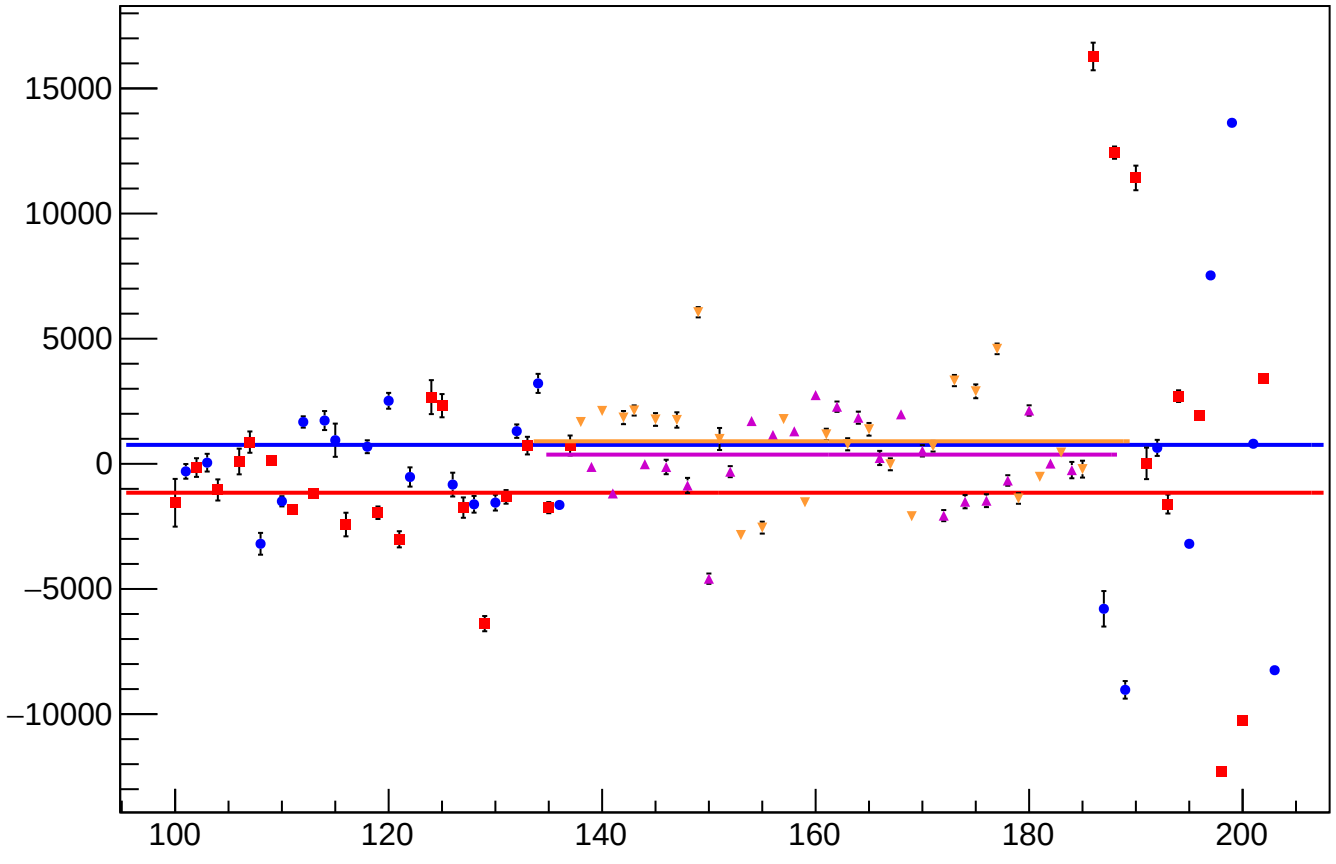
Left: 351.537+/-0.041 χ^2/NDF: 883088.0/47

Right: 1.530+/-0.001 χ^2/NDF: 48705064.5/52

In: 1.675+/-0.001 χ^2/NDF:59401216.8/46

Out: 1.650+/-0.001 χ^2/NDF:63335784.8/53

All: 1.662+/-0.001 χ^2/NDF: 122737247.4/100



Right In: 757.218+/-53.076 χ^2/NDF: 11262.6/23

Left Out: 901.476+/-44.481 χ^2/NDF:2411.0/24

Right Out: -1154.857+/-51.017 χ^2/NDF: 12932.9/28

Left In: 368.252+/-42.700 χ^2/NDF:1593.0/22

Left: 623.972+/-30.804 χ^2/NDF: 4078.7/47

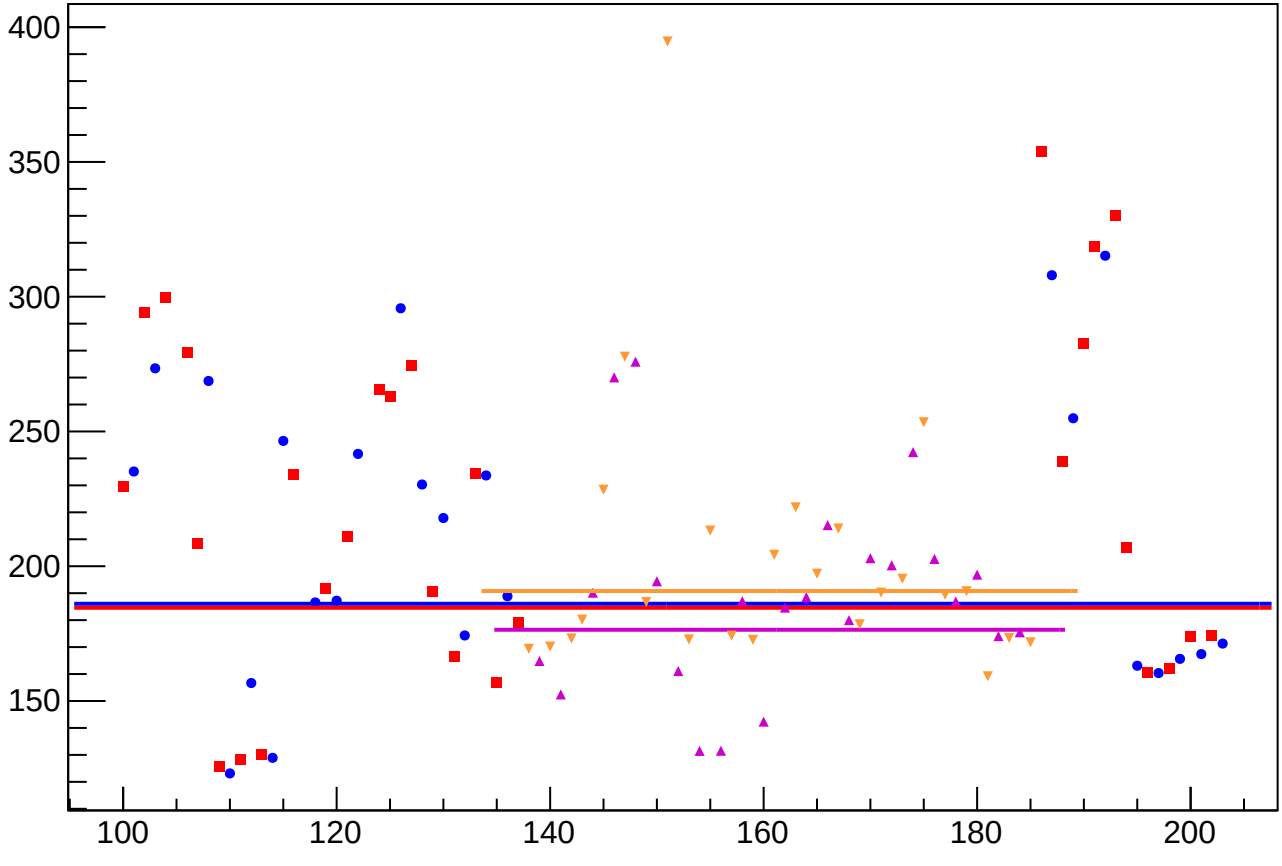
Right: -236.618+/-36.781 χ^2/NDF: 24870.1/52

In: 521.083+/-33.270 χ^2/NDF:12888.2/46

Out: 13.398+/-33.527 χ^2/NDF:16266.9/53

All: 269.198+/-23.616 χ^2/NDF: 29270.6/100

asym_bcm0l02_rms vs Slug, Sign Corrected



Right In: 186.068+/-0.038 χ^2/NDF: 1373561.2/23

Left Out: 190.801+/-0.031 χ^2/NDF:1019598.1/24

Right Out: 184.589+/-0.036 χ^2/NDF: 2102112.0/28

Left In: 176.431+/-0.030 χ^2/NDF:1257661.0/22

Left: 183.323+/-0.022 χ^2/NDF: 2385884.9/47

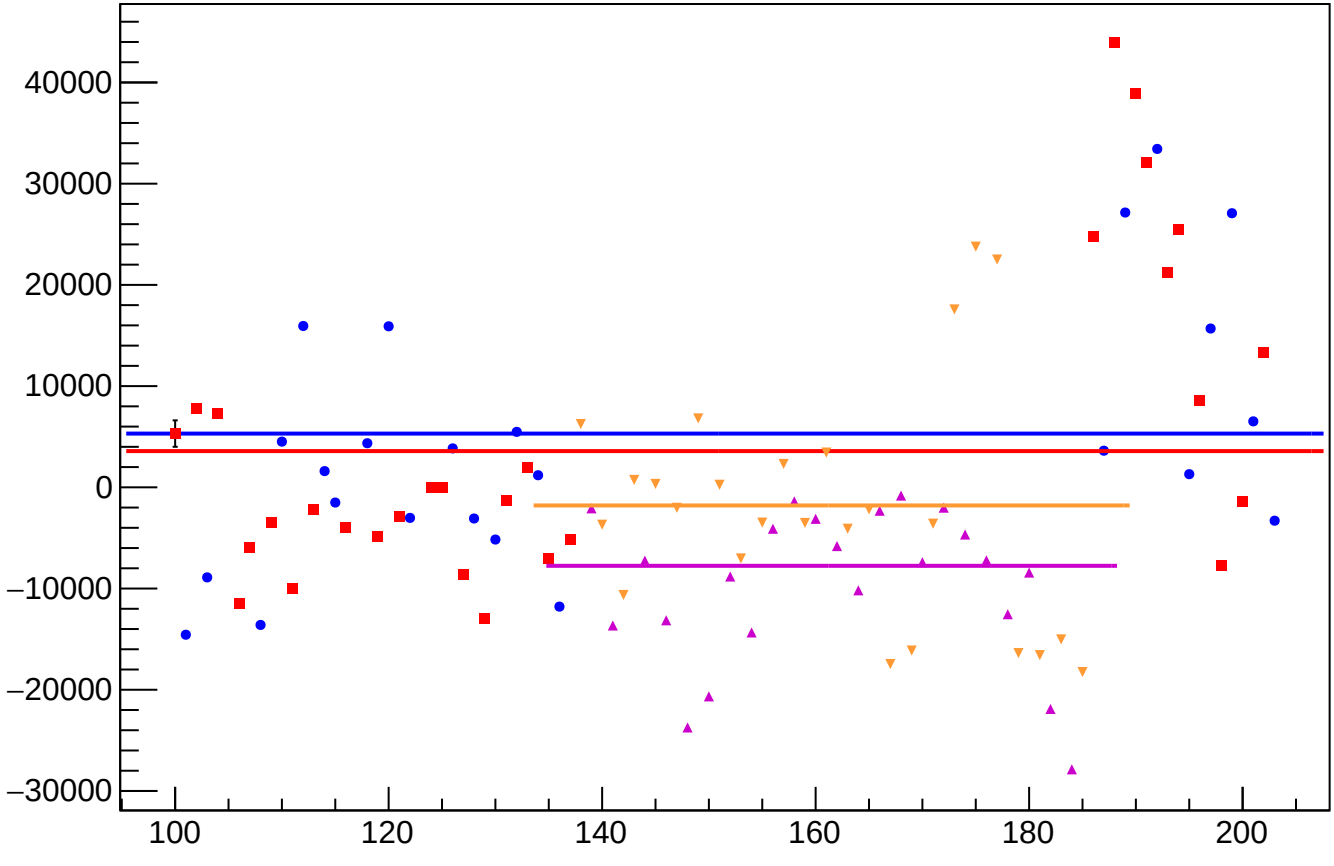
Right: 185.300+/-0.026 χ^2/NDF: 3476480.7/52

In: 180.218+/-0.024 χ^2/NDF:2671251.5/46

Out: 188.118+/-0.024 χ^2/NDF:3138555.0/53

All: 184.138+/-0.017 χ^2/NDF: 5865761.6/100

asym_bpm0i02WS_mean vs Slug, Sign Corrected



Right In: 5309.244+/-43.458 χ^2/NDF: 90036.9/23

Left Out: -1790.289+/-40.910 χ^2/NDF:65745.9/24

Right Out: 3579.838+/-41.172 χ^2/NDF: 135638.5/28

Left In: -7754.468+/-42.571 χ^2/NDF:23278.0/22

Left: -4653.749+/-29.498 χ^2/NDF: 99228.2/47

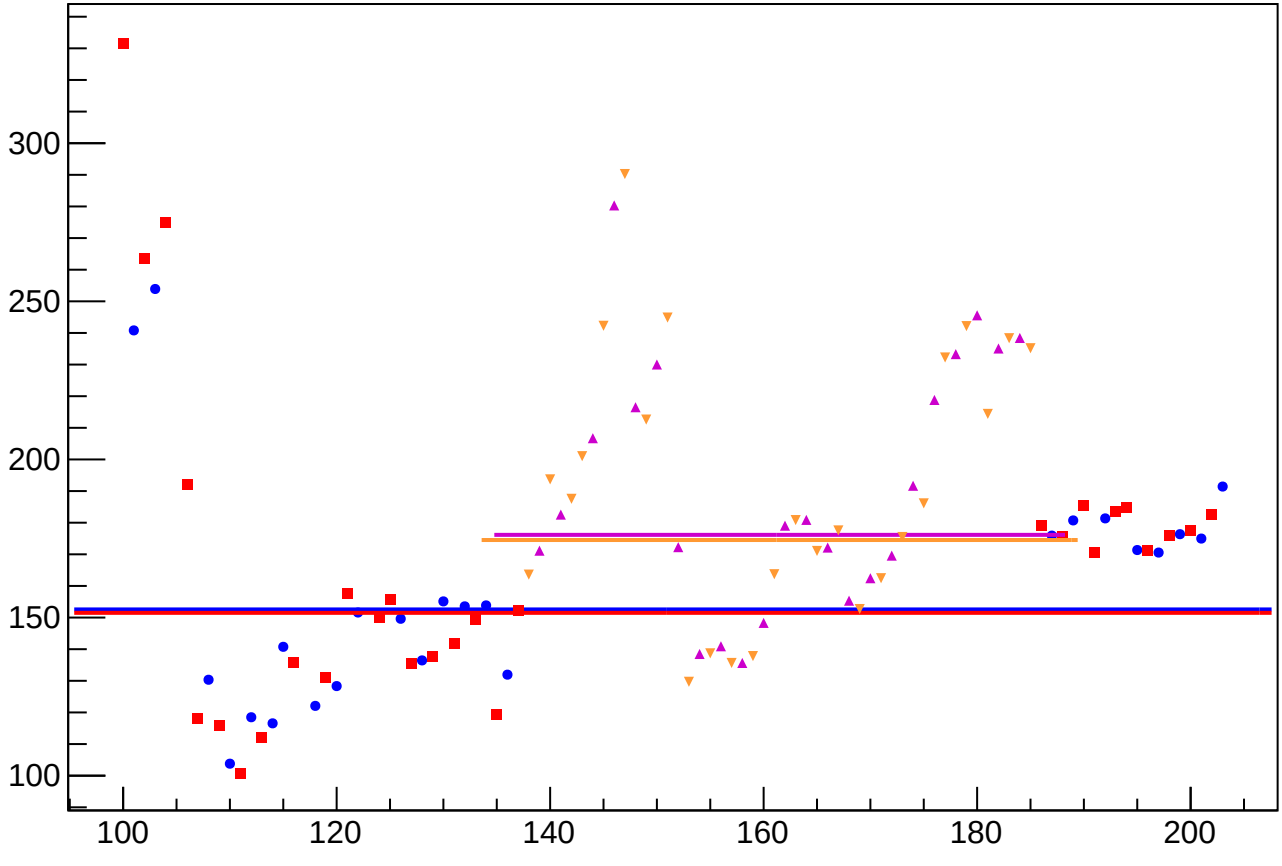
Right: 4397.850+/-29.889 χ^2/NDF: 226510.0/52

In: -1357.320+/-30.411 χ^2/NDF:159427.9/46

Out: 877.650+/-29.020 χ^2/NDF:209945.0/53

All: -187.542+/-20.995 χ^2/NDF: 372199.7/10

asym_bpm0i02WS_rms vs Slug, Sign Corrected



Right In: 152.572+/-0.031 χ^2/NDF: 1040087.1/23

Left Out: 174.520+/-0.029 χ^2/NDF:1659469.6/24

Right Out: 151.496+/-0.029 χ^2/NDF: 1418465.5/28

Left In: 176.155+/-0.030 χ^2/NDF:1367059.2/22

Left: 175.305+/-0.021 χ^2/NDF: 3028060.8/47

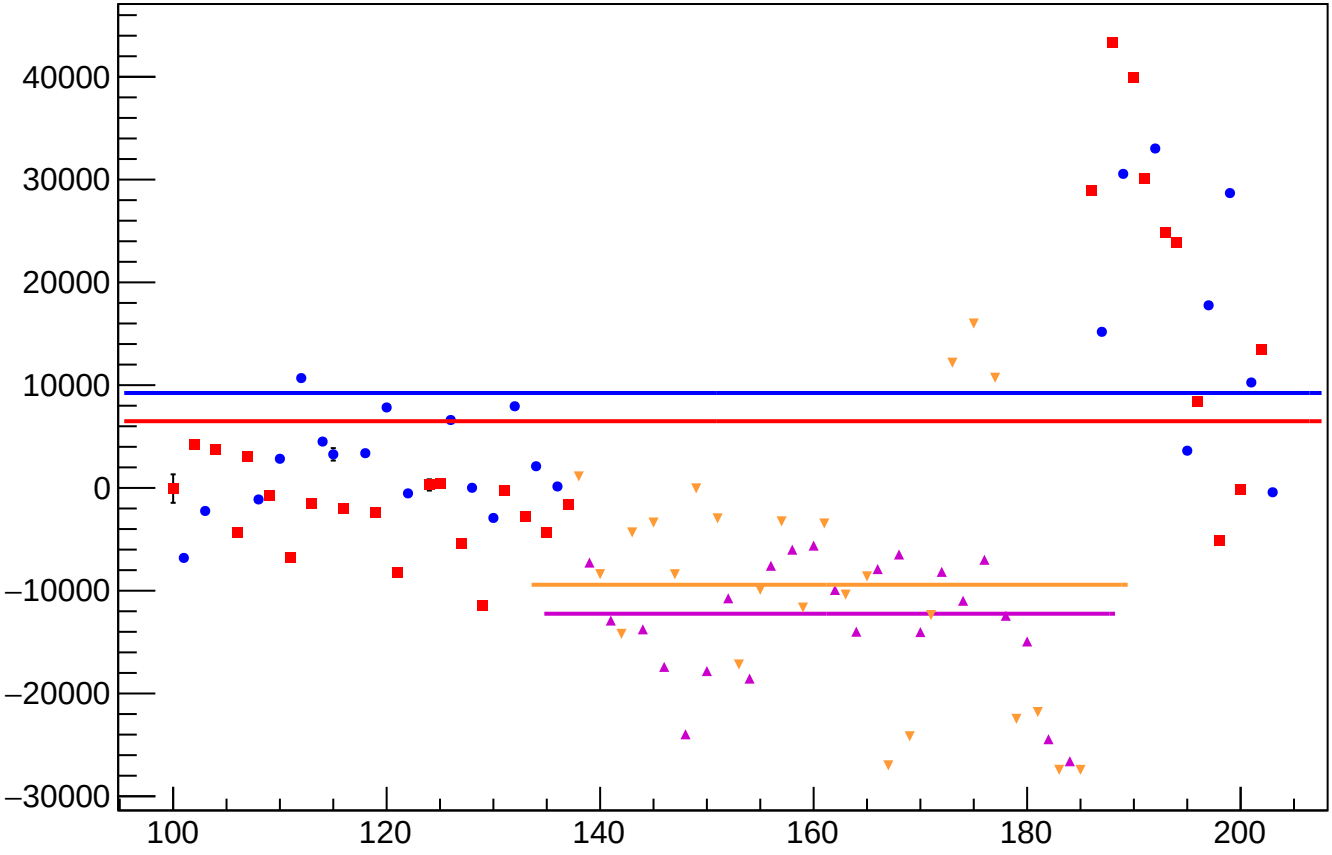
Right: 152.005+/-0.021 χ^2/NDF: 2459199.3/52

In: 164.607+/-0.022 χ^2/NDF:2707677.3/46

Out: 163.082+/-0.021 χ^2/NDF:3392671.6/53

All: 163.808+/-0.015 χ^2/NDF: 6102981.1/100

asym_bpm0i02aWS_mean vs Slug, Sign Corrected



Right In: 9238.247+/-49.805 χ^2/NDF: 50909.6/23

Left Out: -9420.181+/-45.698 χ^2/NDF:64719.0/24

Right Out: 6492.500+/-46.913 χ^2/NDF: 104922.7/28

Left In: -12238.678+/-44.195 χ^2/NDF:16015.8/22

Left: -10876.538+/-31.769 χ^2/NDF: 82700.4/47

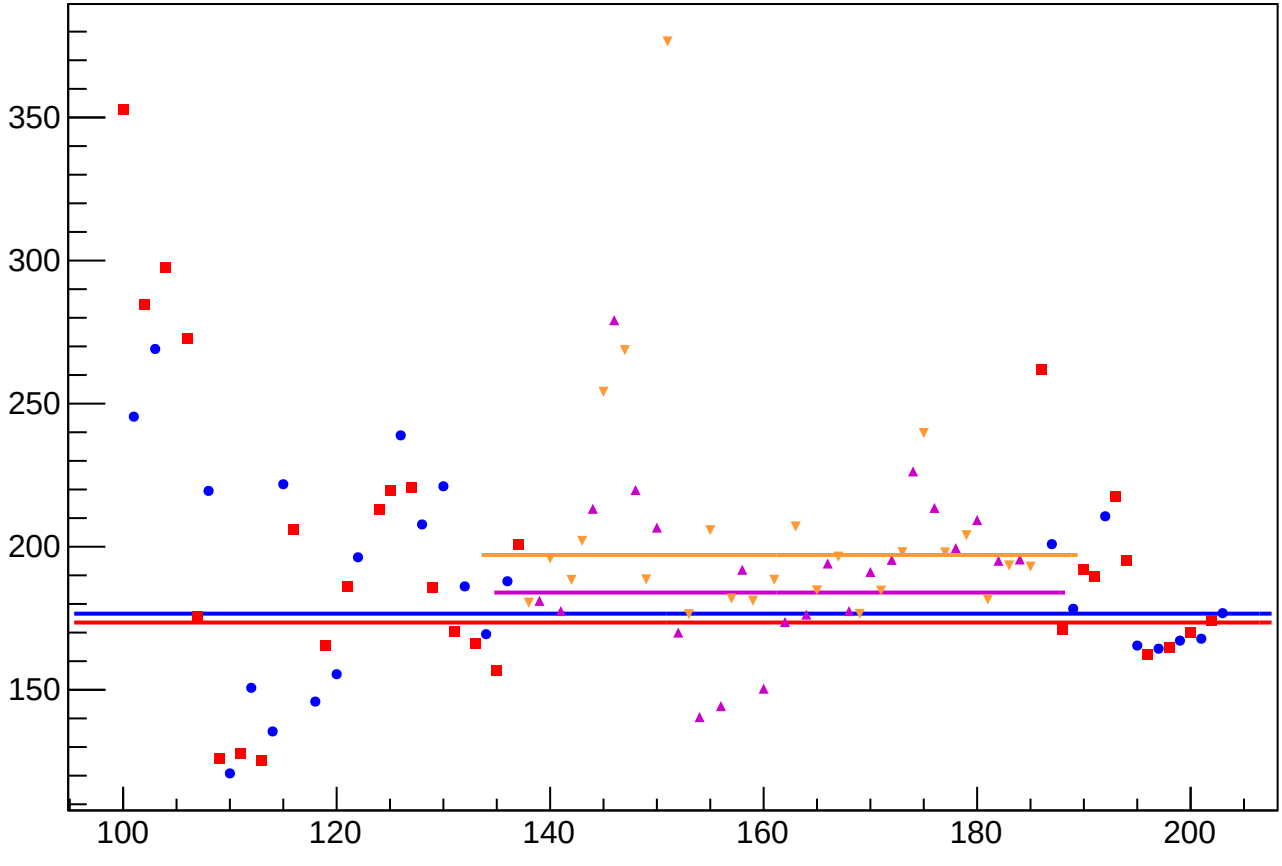
Right: 7783.350+/-34.149 χ^2/NDF: 157442.7/52

In: -2777.478+/-33.057 χ^2/NDF:170958.5/46

Out: -1672.659+/-32.735 χ^2/NDF:228677.3/53

All: -2219.656+/-23.260 χ^2/NDF: 400199.7/1

asym_bpm0i02aWS_rms vs Slug, Sign Corrected



Right In: 176.611+/-0.035 χ^2/NDF: 759490.5/23

Left Out: 197.122+/-0.032 χ^2/NDF:732529.8/24

Right Out: 173.516+/-0.033 χ^2/NDF: 1193304.1/28

Left In: 183.985+/-0.031 χ^2/NDF:829778.1/22

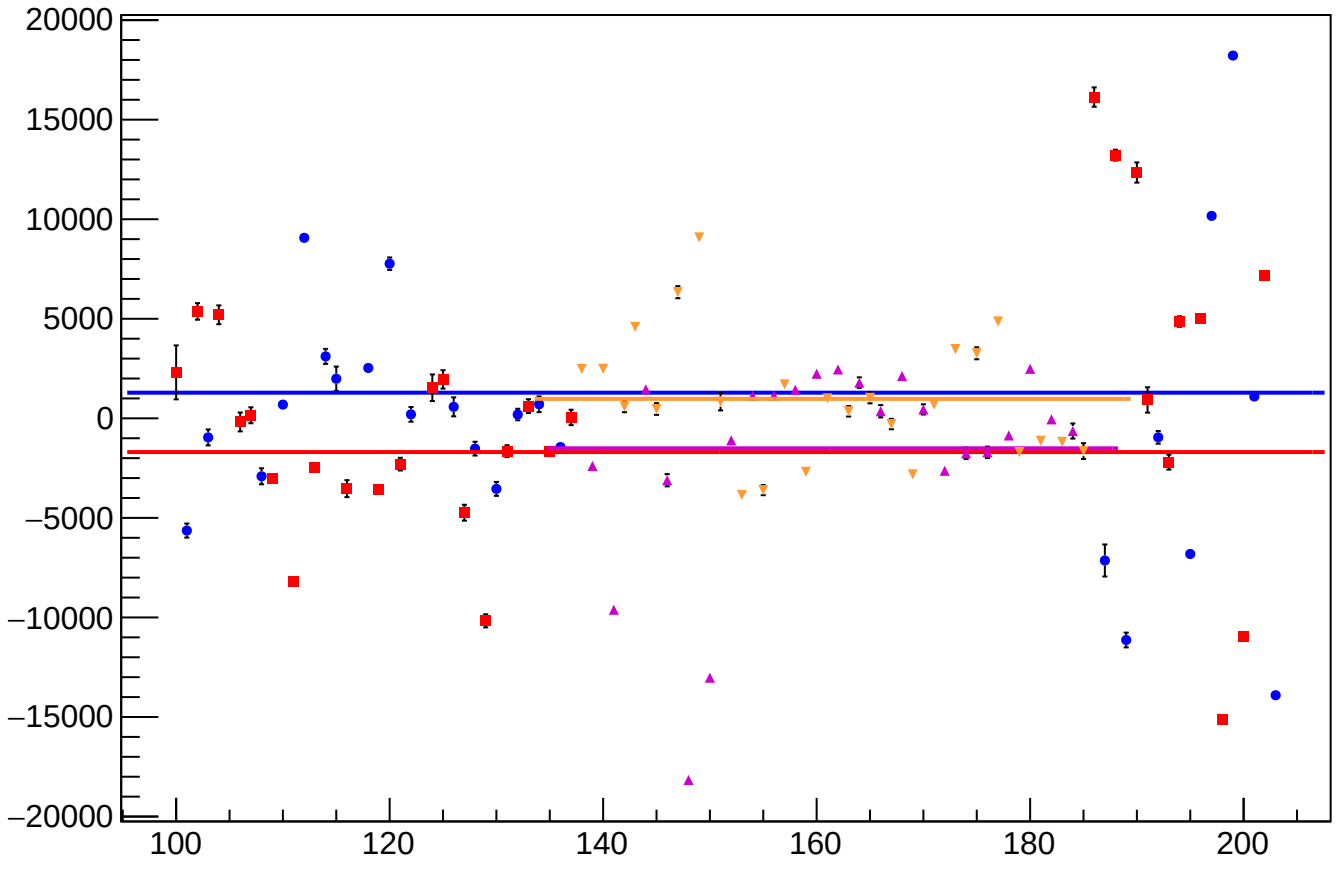
Left: 190.334+/-0.022 χ^2/NDF: 1647711.2/47

Right: 174.971+/-0.024 χ^2/NDF: 1956888.6/52

In: 180.737+/-0.023 χ^2/NDF:1613797.8/46

Out: 185.629+/-0.023 χ^2/NDF:2185686.9/53

All: 183.207+/-0.016 χ^2/NDF: 3821598.4/100



Right In: 1288.463+/-56.136 χ^2/NDF: 20335.8/23

Left Out: 978.429+/-49.607 χ^2/NDF:4322.9/24

Right Out: -1693.670+/-53.091 χ^2/NDF: 18208.0/28

Left In: -1505.093+/-48.051 χ^2/NDF:11480.6/22

Left: -302.894+/-34.514 χ^2/NDF: 17096.7/47

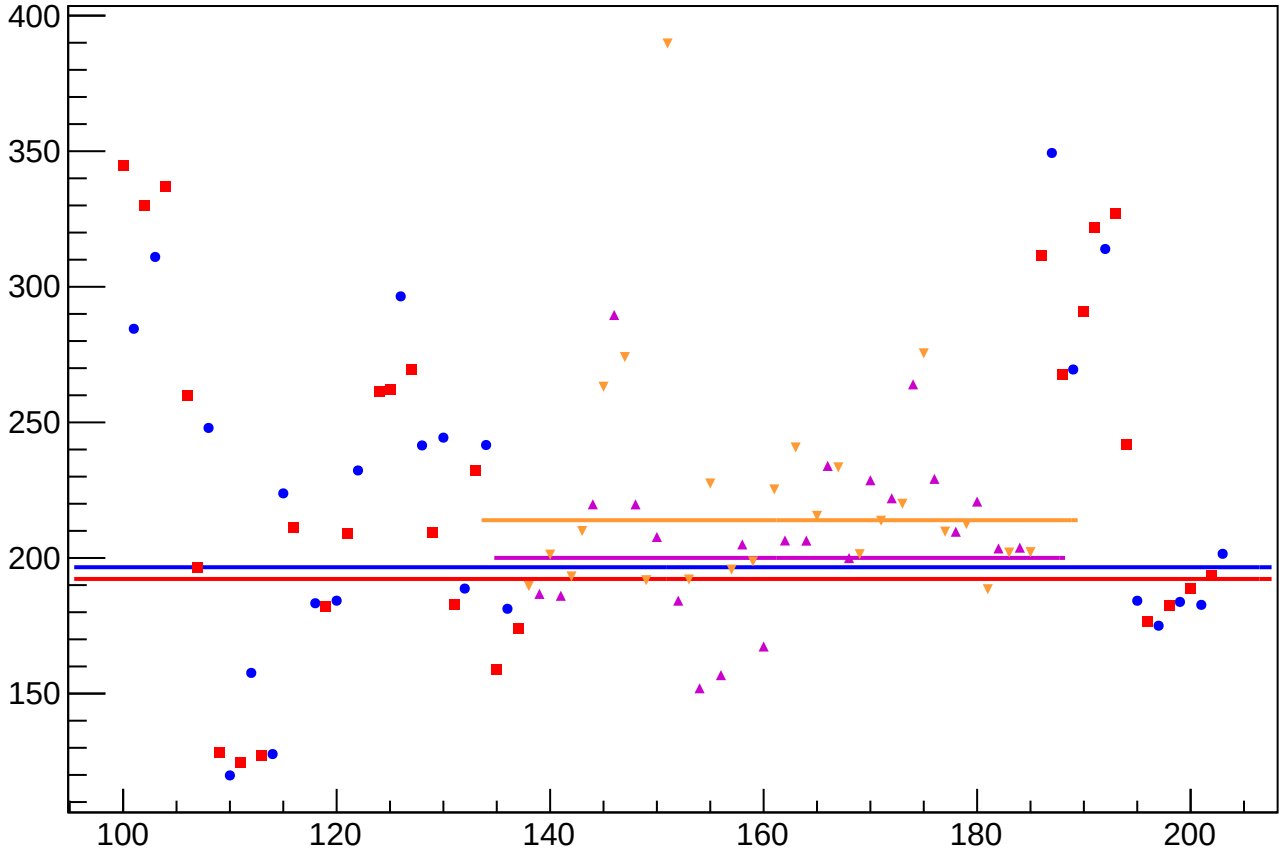
Right: -285.668+/-38.573 χ^2/NDF: 40033.4/52

In: -323.812+/-36.504 χ^2/NDF:33245.7/46

Out: -267.059+/-36.247 χ^2/NDF:23883.3/53

All: -295.235+/-25.721 χ^2/NDF: 57130.2/100

asym_bpm0i05WS_rms vs Slug, Sign Corrected



Right In: 196.592+/-0.040 χ^2/NDF: 1440137.9/23

Left Out: 213.931+/-0.035 χ^2/NDF:733638.6/24

Right Out: 192.267+/-0.038 χ^2/NDF: 2233721.8/28

Left In: 200.031+/-0.034 χ^2/NDF:785525.4/22

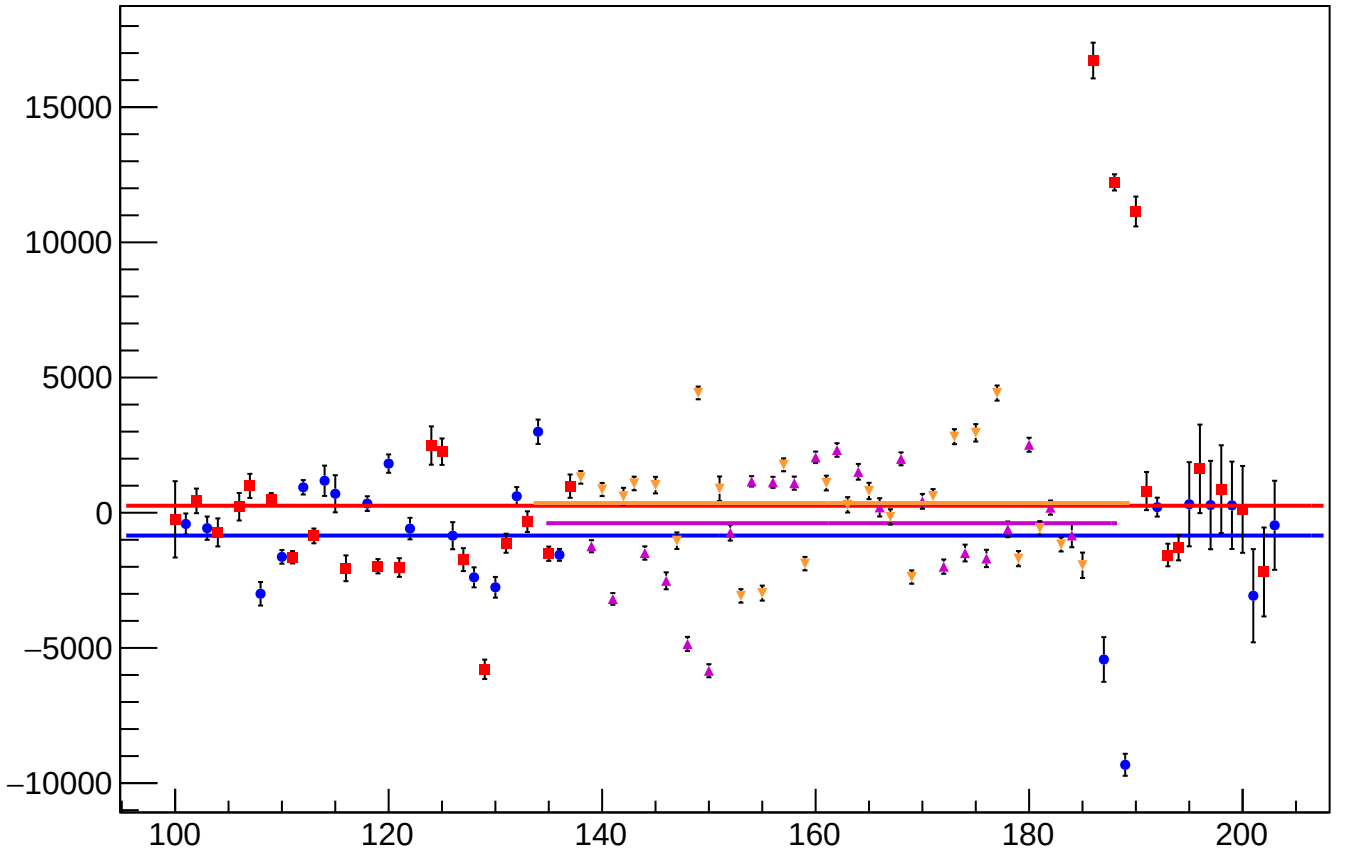
Left: 206.759+/-0.024 χ^2/NDF: 1600185.7/47

Right: 194.309+/-0.027 χ^2/NDF: 3680127.7/52

In: 198.577+/-0.026 χ^2/NDF:2229994.1/46

Out: 203.833+/-0.026 χ^2/NDF:3145161.6/53

All: 201.223+/-0.018 χ^2/NDF: 5396037.9/100



Right In: -843.965+/-81.486 χ^2/NDF: 799.5/23

Left Out: 358.680+/-54.992 χ^2/NDF:1418.9/24

Right Out: 259.235+/-73.873 χ^2/NDF: 3271.1/28

Left In: -386.941+/-53.528 χ^2/NDF:1804.2/22

Left: -24.183+/-38.357 χ^2/NDF: 3317.4/47

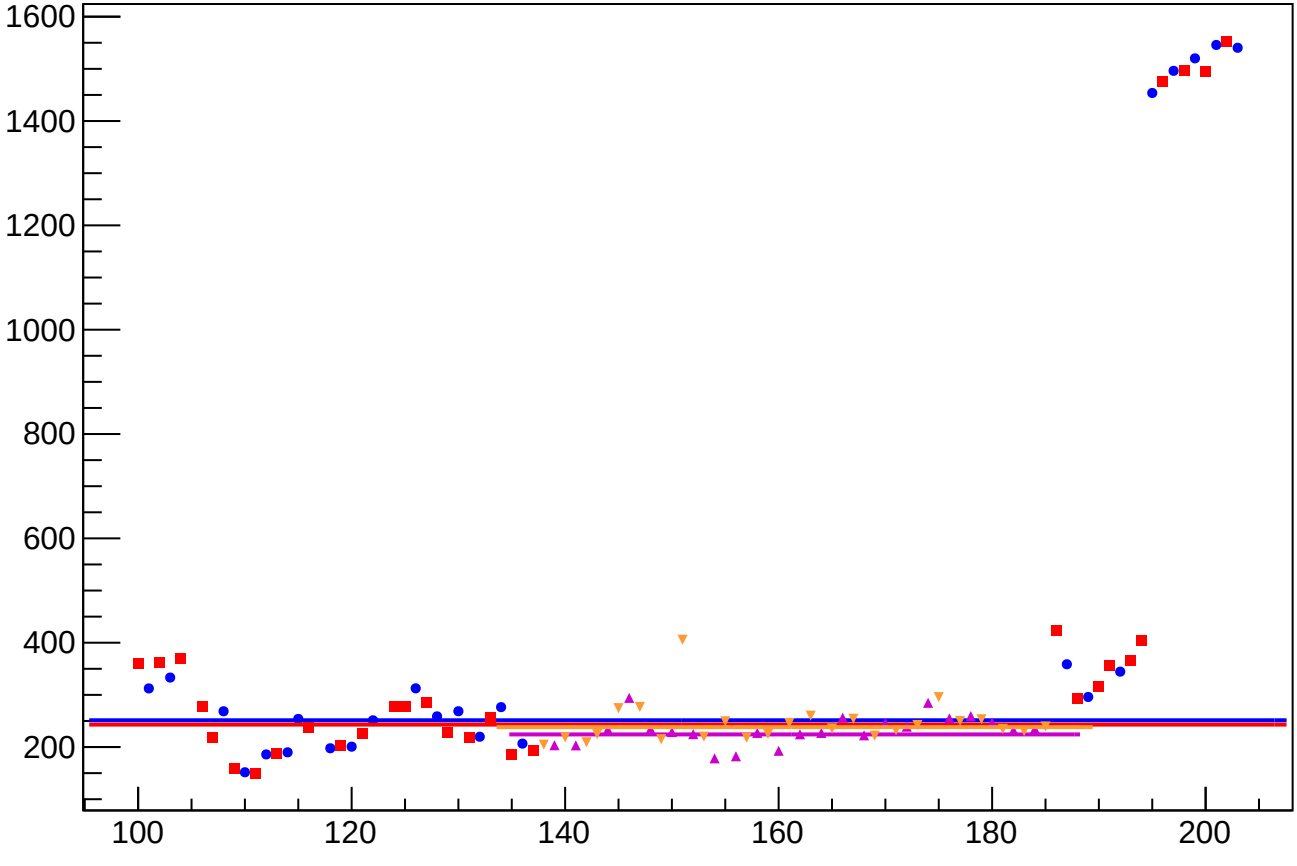
Right: -238.435+/-54.730 χ^2/NDF: 4171.2/52

In: -524.708+/-44.739 χ^2/NDF:2625.6/46

Out: 323.222+/-44.111 χ^2/NDF:4691.2/53

All: -94.755+/-31.411 χ^2/NDF: 7498.9/100

asym_bpm0i07WS_rms vs Slug, Sign Corrected



Right In: 251.328+/-0.058 χ^2/NDF: 6981863.3/23

Left Out: 238.199+/-0.039 χ^2/NDF:567935.3/24

Right Out: 243.033+/-0.052 χ^2/NDF: 6748615.2/28

Left In: 224.212+/-0.038 χ^2/NDF:563231.1/22

Left: 231.017+/-0.027 χ^2/NDF: 1197606.4/47

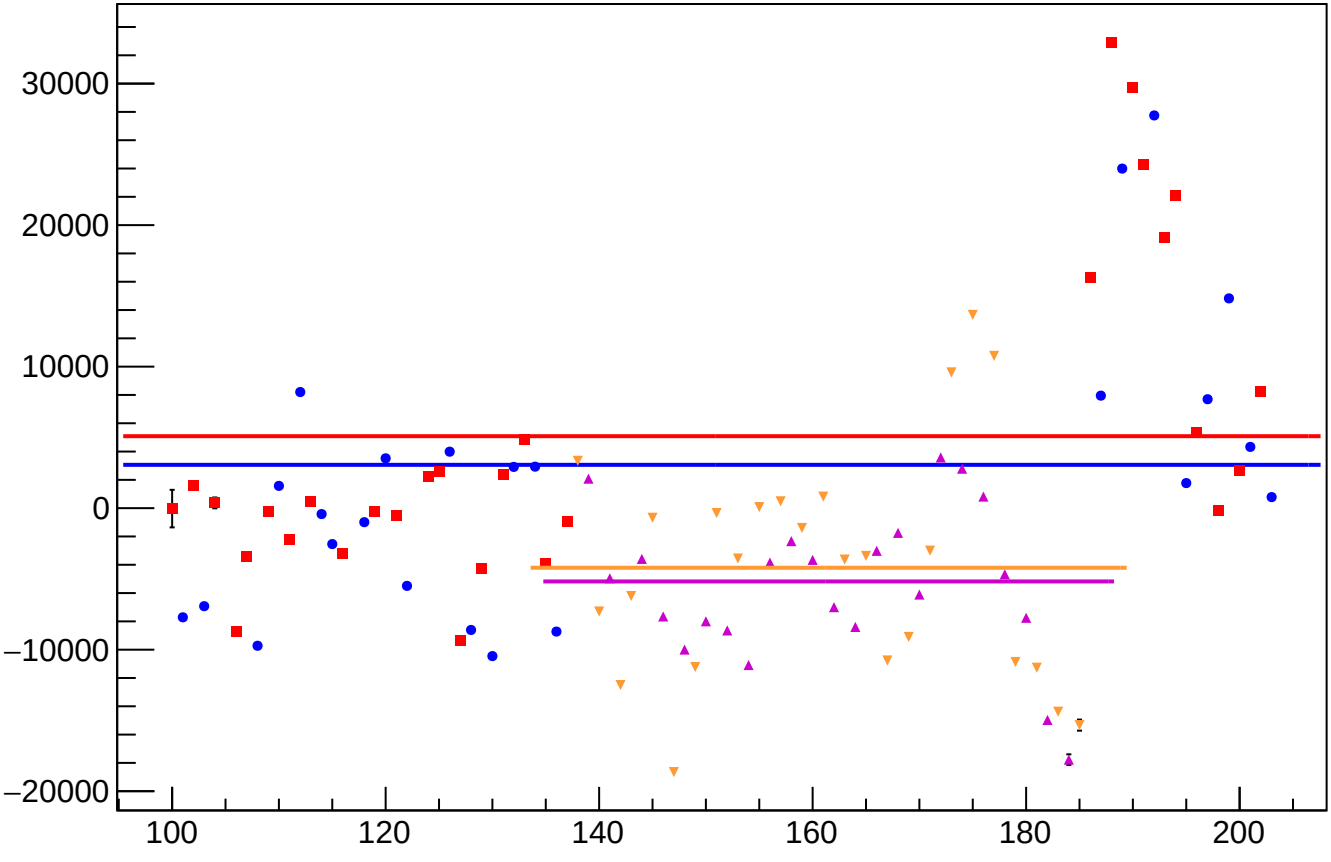
Right: 246.775+/-0.039 χ^2/NDF: 13741856.4/52

In: 232.386+/-0.032 χ^2/NDF:7699809.9/46

Out: 239.923+/-0.031 χ^2/NDF:7322059.6/53

All: 236.208+/-0.022 χ^2/NDF: 15050648.6/10

asym_bpm1i02WS_mean vs Slug, Sign Corrected



Right In: 3062.327+/-36.883 χ^2/NDF: 75849.4/23

Left Out: -4210.601+/-30.828 χ^2/NDF:56802.7/24

Right Out: 5085.297+/-34.709 χ^2/NDF: 102886.3/28

Left In: -5178.213+/-31.969 χ^2/NDF:18541.3/22

Left: -4676.831+/-22.191 χ^2/NDF: 75818.6/47

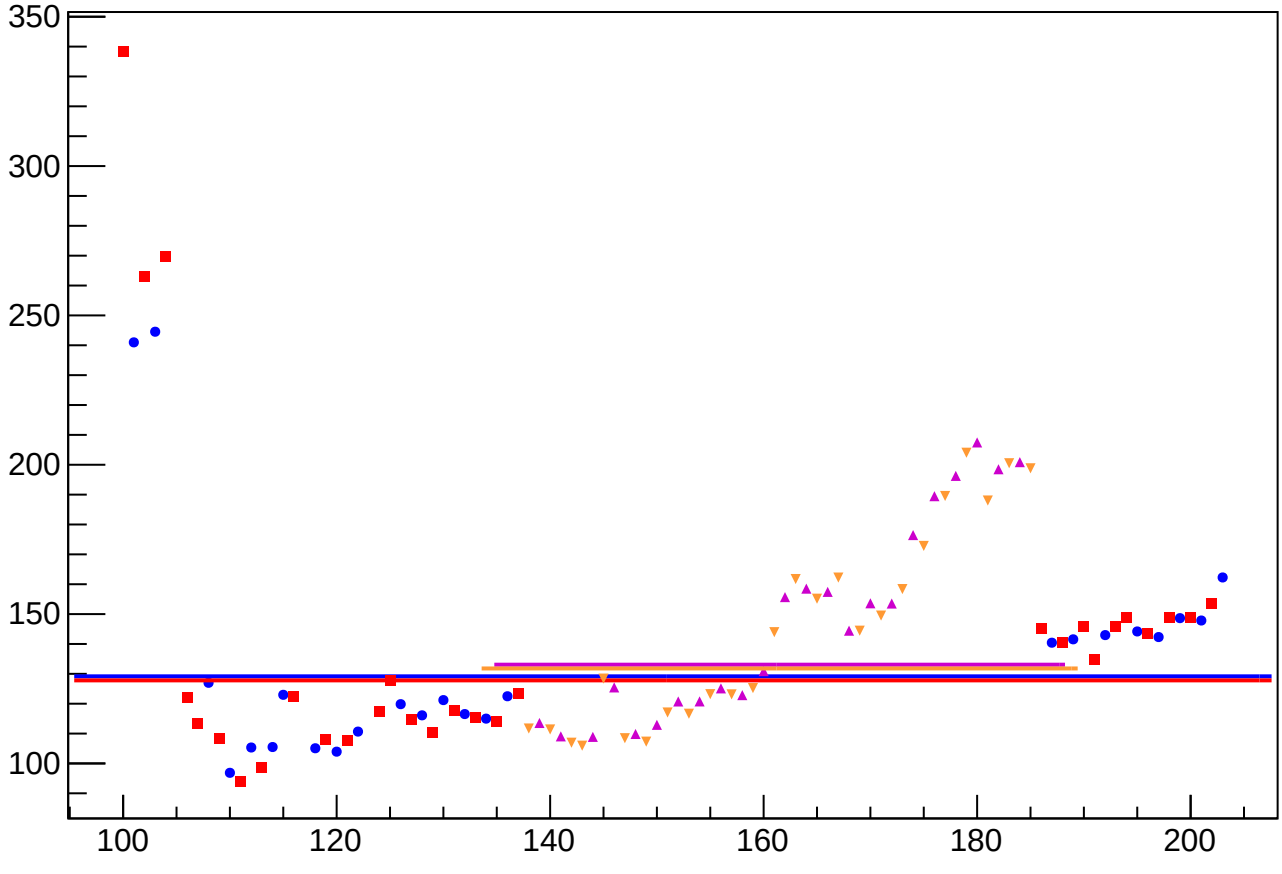
Right: 4135.199+/-25.277 χ^2/NDF: 180331.2/52

In: -1643.082+/-24.158 χ^2/NDF:122893.9/46

Out: -111.147+/-23.049 χ^2/NDF:199786.7/53

All: -841.166+/-16.676 χ^2/NDF: 324785.6/10

asym_bpm1i02WS_rms vs Slug, Sign Corrected



Right In: 129.161+/-0.026 χ^2/NDF: 1027670.8/23

Left Out: 131.798+/-0.022 χ^2/NDF:1544340.3/24

Right Out: 127.812+/-0.025 χ^2/NDF: 1248333.7/28

Left In: 133.061+/-0.023 χ^2/NDF:1418252.2/22

Left: 132.406+/-0.016 χ^2/NDF: 2964211.9/47

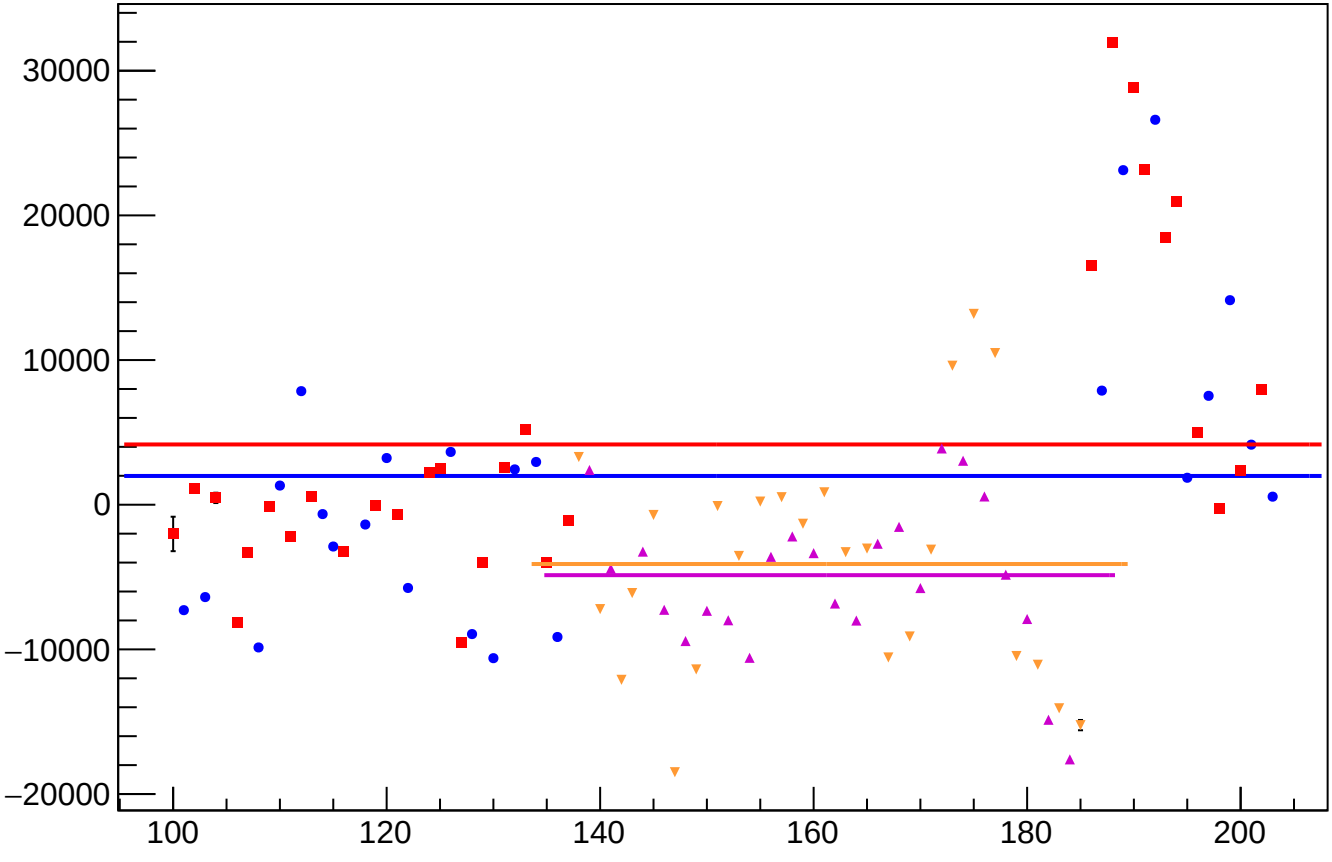
Right: 128.445+/-0.018 χ^2/NDF: 2277423.3/52

In: 131.388+/-0.017 χ^2/NDF:2458695.2/46

Out: 130.040+/-0.016 χ^2/NDF:2807417.2/53

All: 130.682+/-0.012 χ^2/NDF: 5269372.9/100

asym_bpm2i01WS_mean vs Slug, Sign Corrected



Right In: 1988.216+/-33.556 χ^2/NDF: 82560.3/23

Left Out: -4098.897+/-27.771 χ^2/NDF:66271.3/24

Right Out: 4166.054+/-31.793 χ^2/NDF: 108586.1/28

Left In: -4869.740+/-28.809 χ^2/NDF:21913.6/22

Left: -4470.191+/-19.994 χ^2/NDF: 88556.0/47

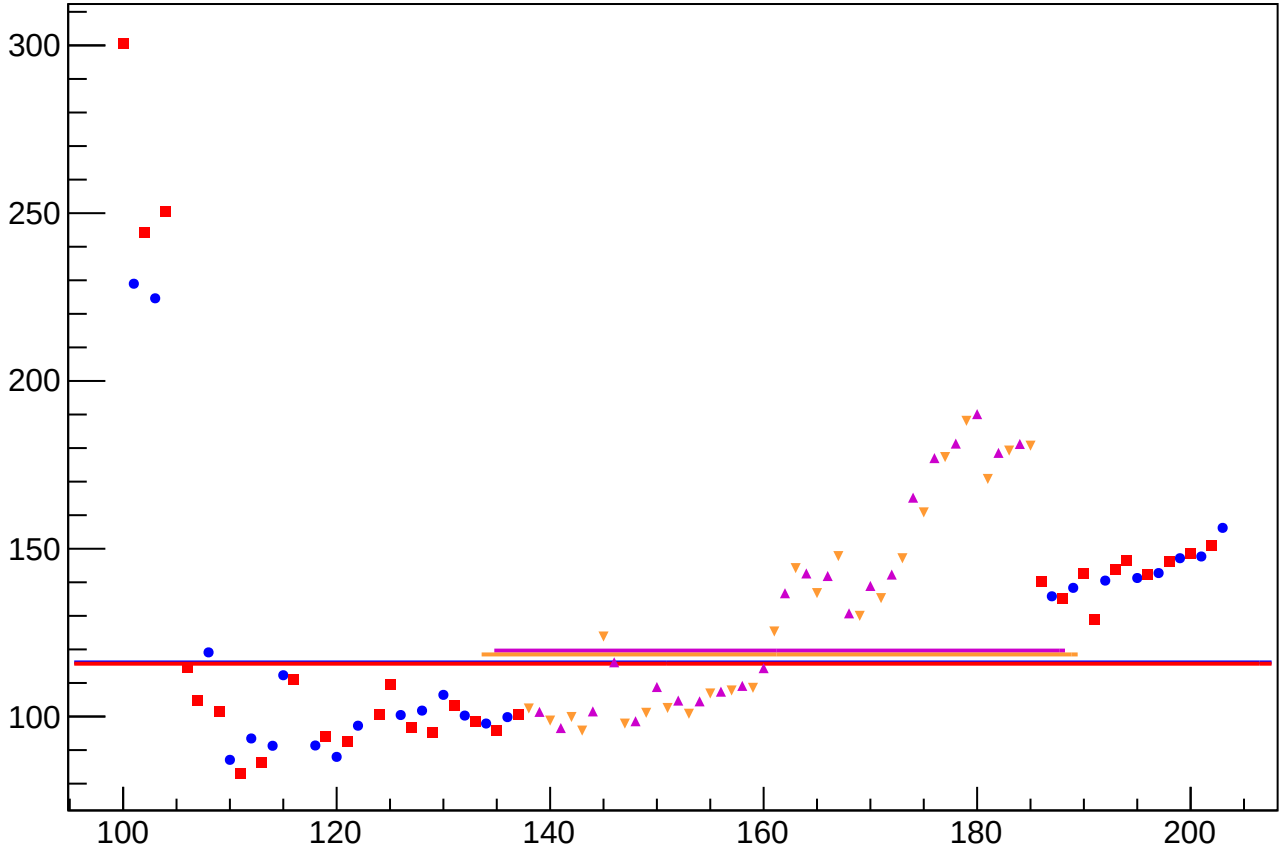
Right: 3135.831+/-23.079 χ^2/NDF: 193366.1/52

In: -1959.753+/-21.858 χ^2/NDF:128519.5/46

Out: -521.930+/-20.916 χ^2/NDF:213189.2/53

All: -1209.173+/-15.112 χ^2/NDF: 343967.4/1

asym_bpm2i01WS_rms vs Slug, Sign Corrected



Right In: 116.113+/-0.024 χ^2/NDF: 1518685.9/23

Left Out: 118.502+/-0.020 χ^2/NDF:1627138.9/24

Right Out: 115.748+/-0.022 χ^2/NDF: 1755629.7/28

Left In: 119.645+/-0.020 χ^2/NDF:1512380.5/22

Left: 119.052+/-0.014 χ^2/NDF: 3141151.7/47

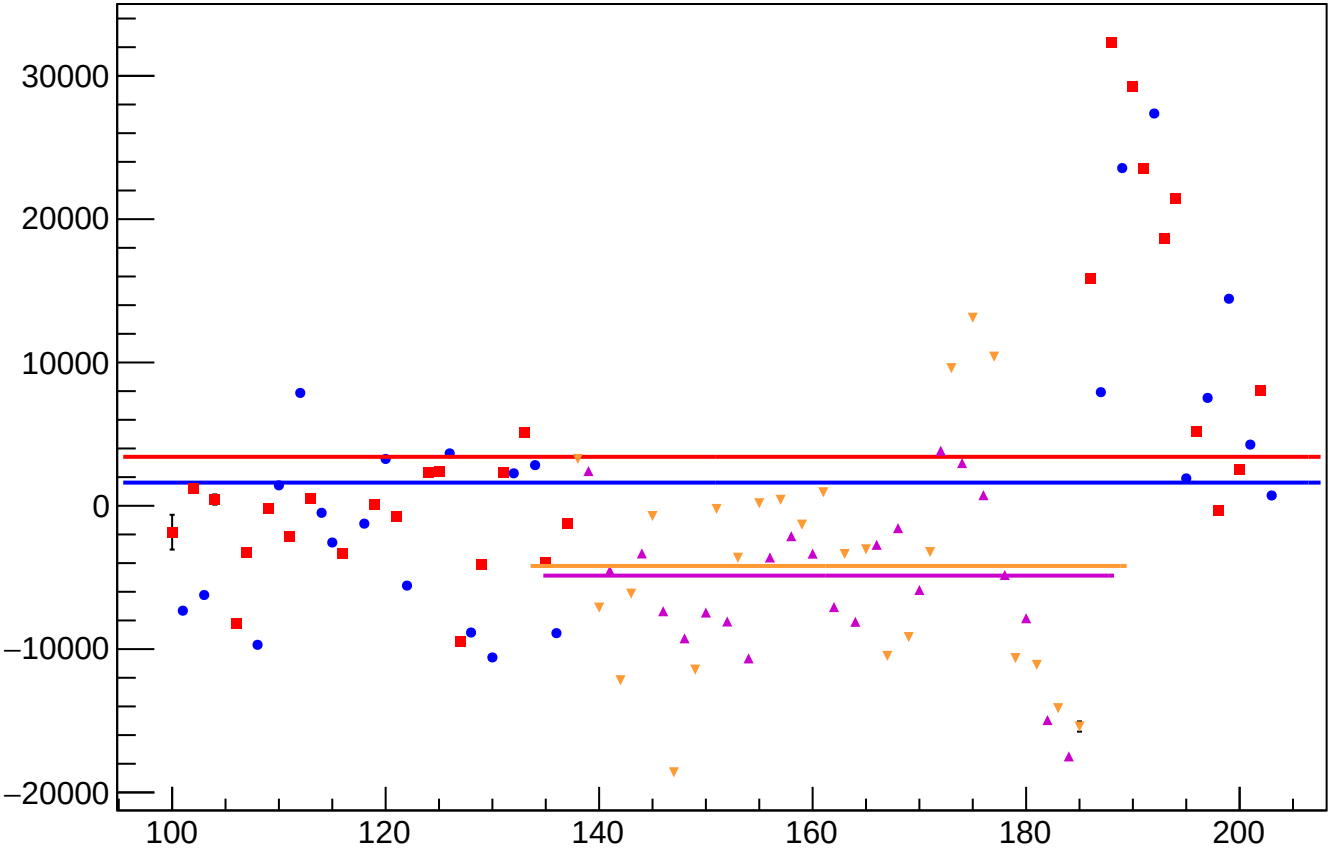
Right: 115.921+/-0.016 χ^2/NDF: 3274440.5/52

In: 118.146+/-0.015 χ^2/NDF:3043819.8/46

Out: 117.310+/-0.015 χ^2/NDF:3391279.1/53

All: 117.710+/-0.011 χ^2/NDF: 6436627.7/100

asym_bpm2i02WS_mean vs Slug, Sign Corrected



Right In: 1618.423+/-32.911 χ^2/NDF: 81382.5/23

Left Out: -4197.414+/-27.211 χ^2/NDF:70415.4/24

Right Out: 3416.256+/-31.259 χ^2/NDF: 101849.9/28

Left In: -4873.124+/-28.200 χ^2/NDF:22923.8/22

Left: -4523.205+/-19.581 χ^2/NDF: 93636.5/47

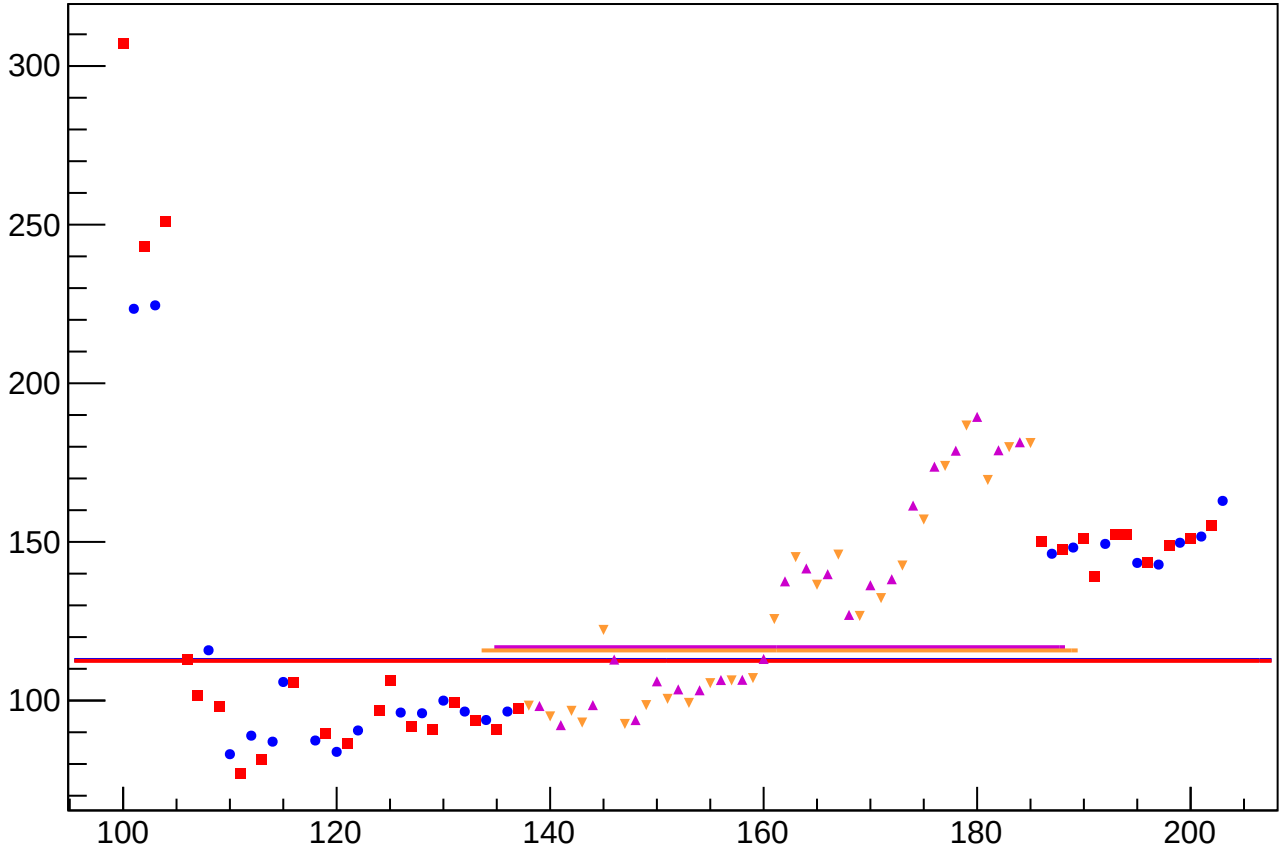
Right: 2563.593+/-22.665 χ^2/NDF: 184801.3/52

In: -2124.829+/-21.414 χ^2/NDF:126740.2/46

Out: -915.264+/-20.524 χ^2/NDF:206015.3/53

All: -1494.381+/-14.817 χ^2/NDF: 334418.4/1

asym_bpm2i02WS_rms vs Slug, Sign Corrected



Right In: 112.783+/-0.023 χ^2/NDF: 1886493.5/23

Left Out: 115.798+/-0.019 χ^2/NDF:1749021.2/24

Right Out: 112.510+/-0.022 χ^2/NDF: 2274474.0/28

Left In: 116.808+/-0.020 χ^2/NDF:1617645.9/22

Left: 116.285+/-0.014 χ^2/NDF: 3367997.1/47

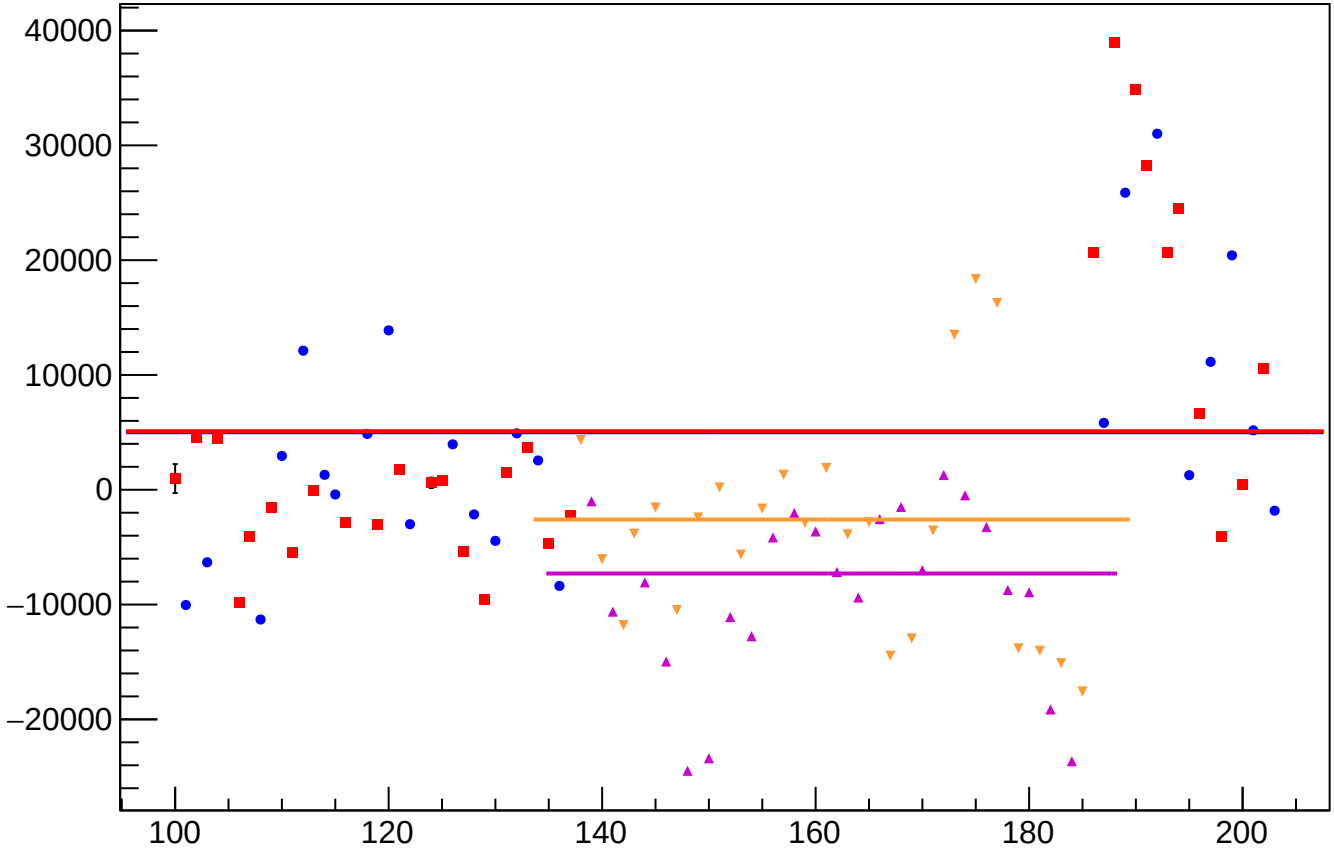
Right: 112.640+/-0.016 χ^2/NDF: 4161040.2/52

In: 115.104+/-0.015 χ^2/NDF:3521388.6/46

Out: 114.380+/-0.015 χ^2/NDF:4036085.9/53

All: 114.727+/-0.010 χ^2/NDF: 7558666.1/100

asym_bpm0i01WS_mean vs Slug, Sign Corrected



Right In: 5011.693+/-44.101 χ^2/NDF: 62455.9/23

Left Out: -2591.379+/-37.643 χ^2/NDF:47994.7/24

Right Out: 5096.629+/-41.988 χ^2/NDF: 96926.1/28

Left In: -7296.193+/-39.576 χ^2/NDF:24743.4/22

Left: -4826.123+/-27.275 χ^2/NDF: 80158.0/47

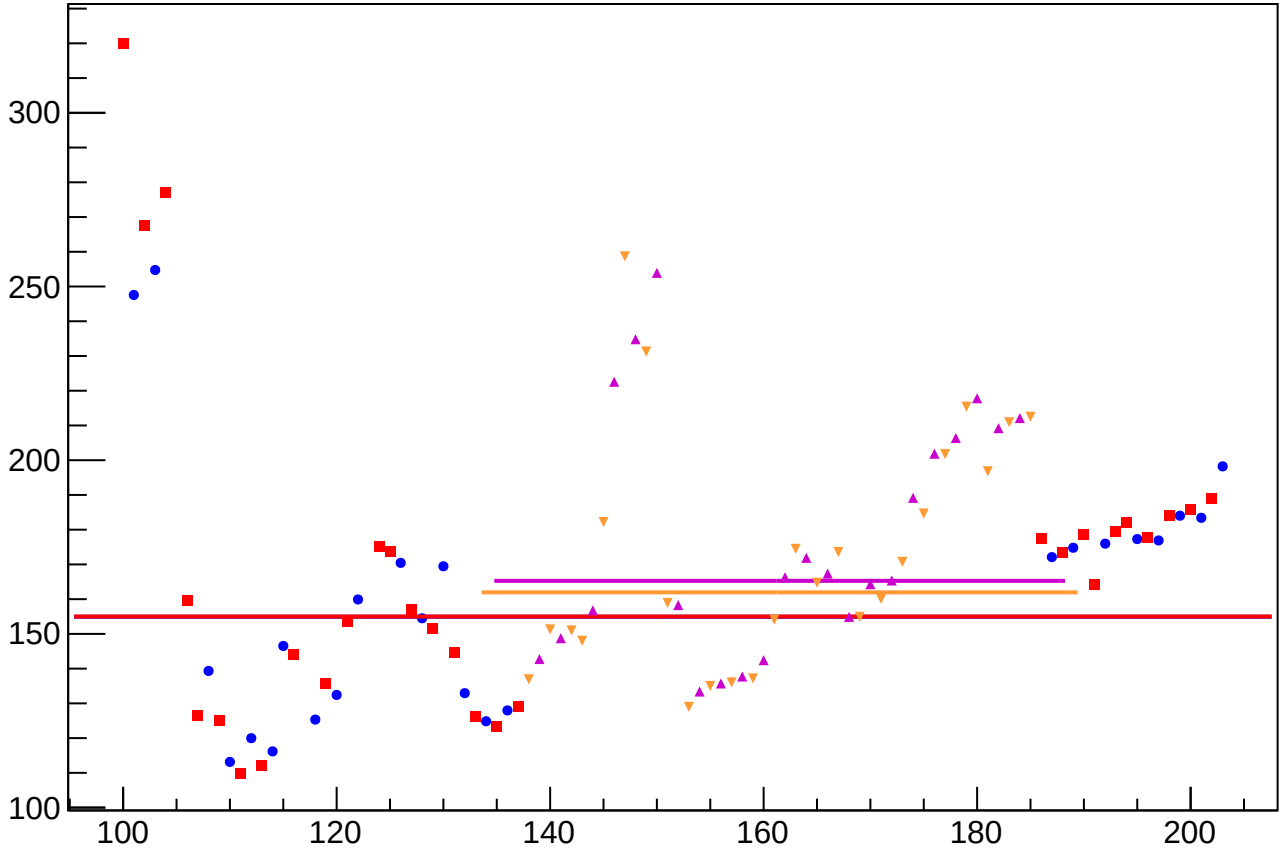
Right: 5056.245+/-30.409 χ^2/NDF: 159383.9/52

In: -1805.907+/-29.455 χ^2/NDF:130343.5/46

Out: 834.448+/-28.028 χ^2/NDF:163507.6/53

All: -420.257+/-20.304 χ^2/NDF: 298068.1/10

asym_bpm0i01WS_rms vs Slug, Sign Corrected



Right In: 154.942+/-0.031 χ^2/NDF: 1075554.8/23

Left Out: 161.957+/-0.027 χ^2/NDF:1144808.3/24

Right Out: 154.993+/-0.030 χ^2/NDF: 1265977.0/28

Left In: 165.273+/-0.028 χ^2/NDF:1179090.6/22

Left: 163.532+/-0.019 χ^2/NDF: 2331268.8/47

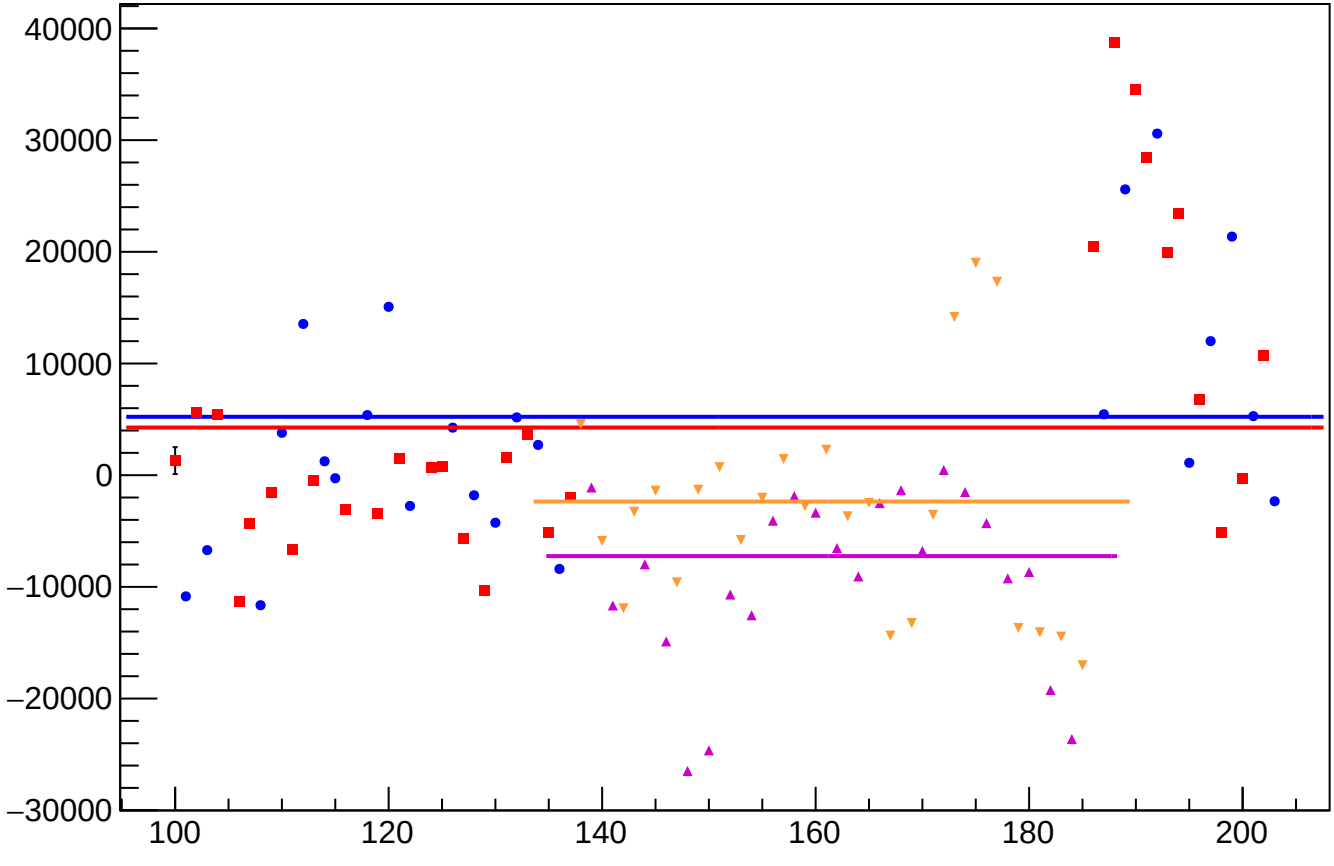
Right: 154.968+/-0.022 χ^2/NDF: 2341533.2/52

In: 160.664+/-0.021 χ^2/NDF:2315435.8/46

Out: 158.854+/-0.020 χ^2/NDF:2441290.3/53

All: 159.714+/-0.014 χ^2/NDF: 4760692.6/100

asym_bpm0i01aWS_mean vs Slug, Sign Corrected



Right In: 5228.243+/-37.366 χ^2/NDF: 87361.6/23

Left Out: -2360.753+/-33.680 χ^2/NDF:58566.4/24

Right Out: 4267.886+/-35.352 χ^2/NDF: 134435.5/28

Left In: -7244.763+/-35.507 χ^2/NDF:30447.9/22

Left: -4673.874+/-24.436 χ^2/NDF: 98973.5/47

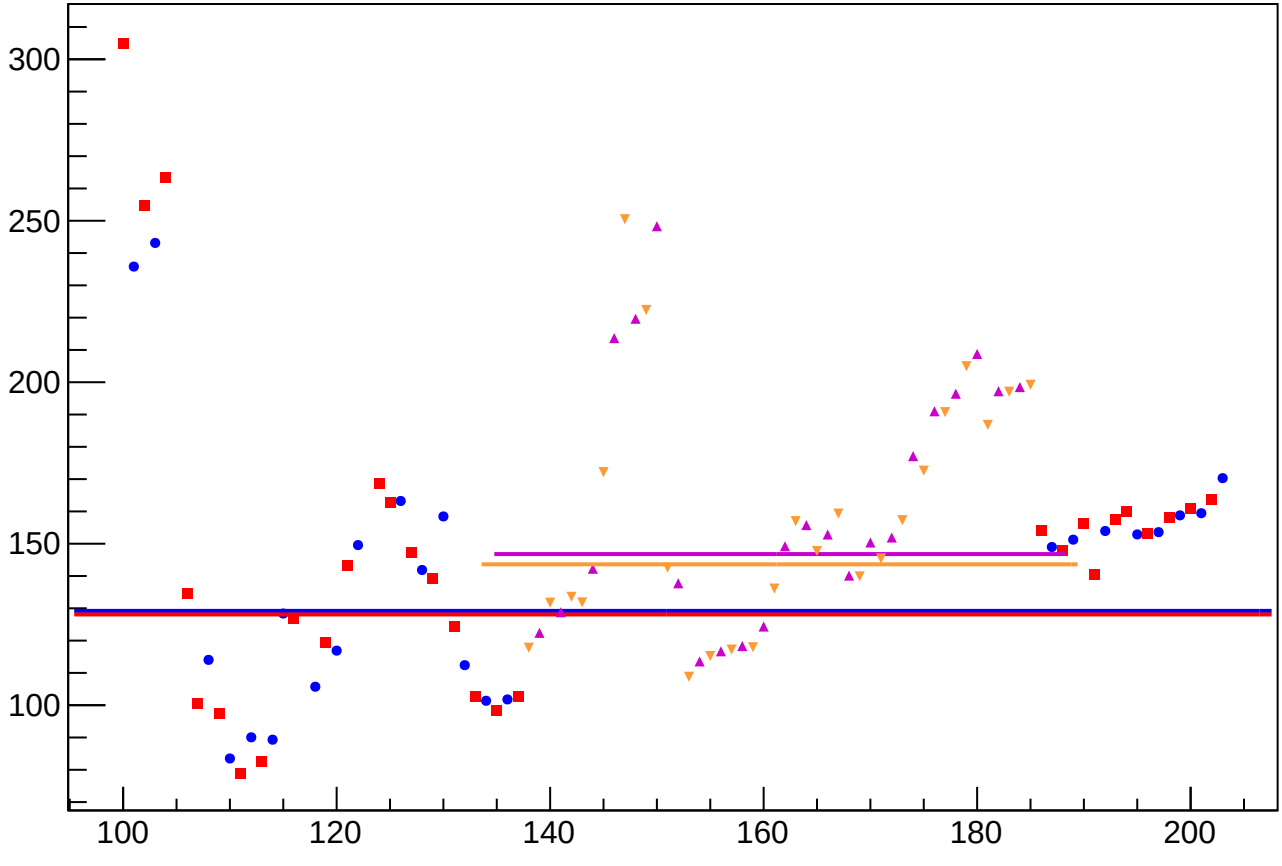
Right: 4721.489+/-25.680 χ^2/NDF: 222145.6/52

In: -1326.228+/-25.739 χ^2/NDF:176363.0/46

Out: 793.096+/-24.385 χ^2/NDF:211431.5/53

All: -209.347+/-17.702 χ^2/NDF: 391367.2/10

asym_bpm0i01aWS_rms vs Slug, Sign Corrected



Right In: 129.206+/-0.026 χ^2/NDF: 1685564.1/23

Left Out: 143.622+/-0.024 χ^2/NDF:1662825.4/24

Right Out: 128.095+/-0.025 χ^2/NDF: 2057042.9/28

Left In: 146.793+/-0.025 χ^2/NDF:1694524.1/22

Left: 145.124+/-0.017 χ^2/NDF: 3365746.4/47

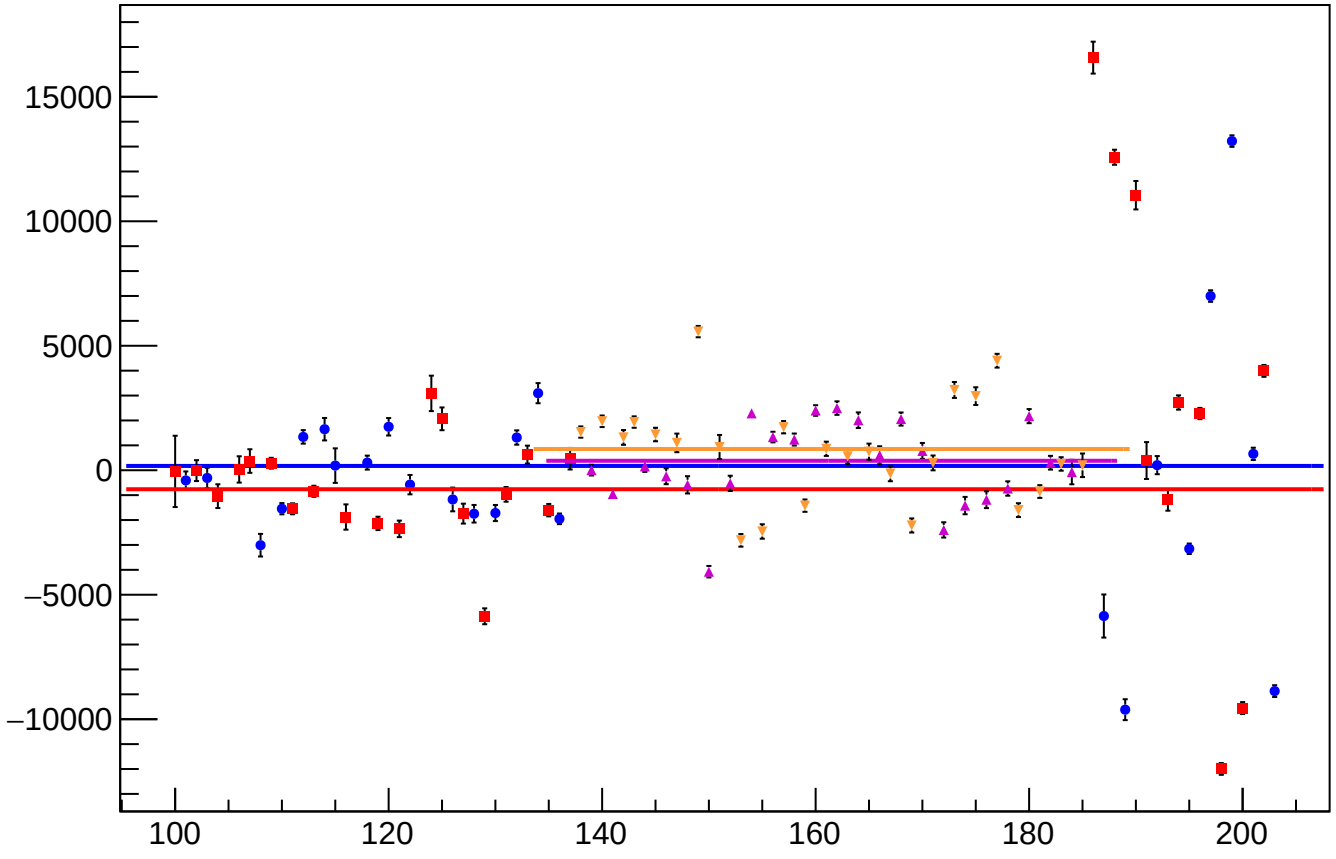
Right: 128.620+/-0.018 χ^2/NDF: 3743540.2/52

In: 138.448+/-0.018 χ^2/NDF:3612922.1/46

Out: 136.234+/-0.017 χ^2/NDF:3922124.6/53

All: 137.281+/-0.013 χ^2/NDF: 7542842.0/100

asym_bpm0l01WS_mean vs Slug, Sign Corrected



Right In: 173.345+/-62.365 χ^2/NDF: 6763.5/23

Left Out: 853.916+/-56.237 χ^2/NDF:1443.8/24

Right Out: -762.831+/-59.835 χ^2/NDF: 7898.8/28

Left In: 380.865+/-55.135 χ^2/NDF:982.4/22

Left: 612.713+/-39.370 χ^2/NDF: 2462.3/47

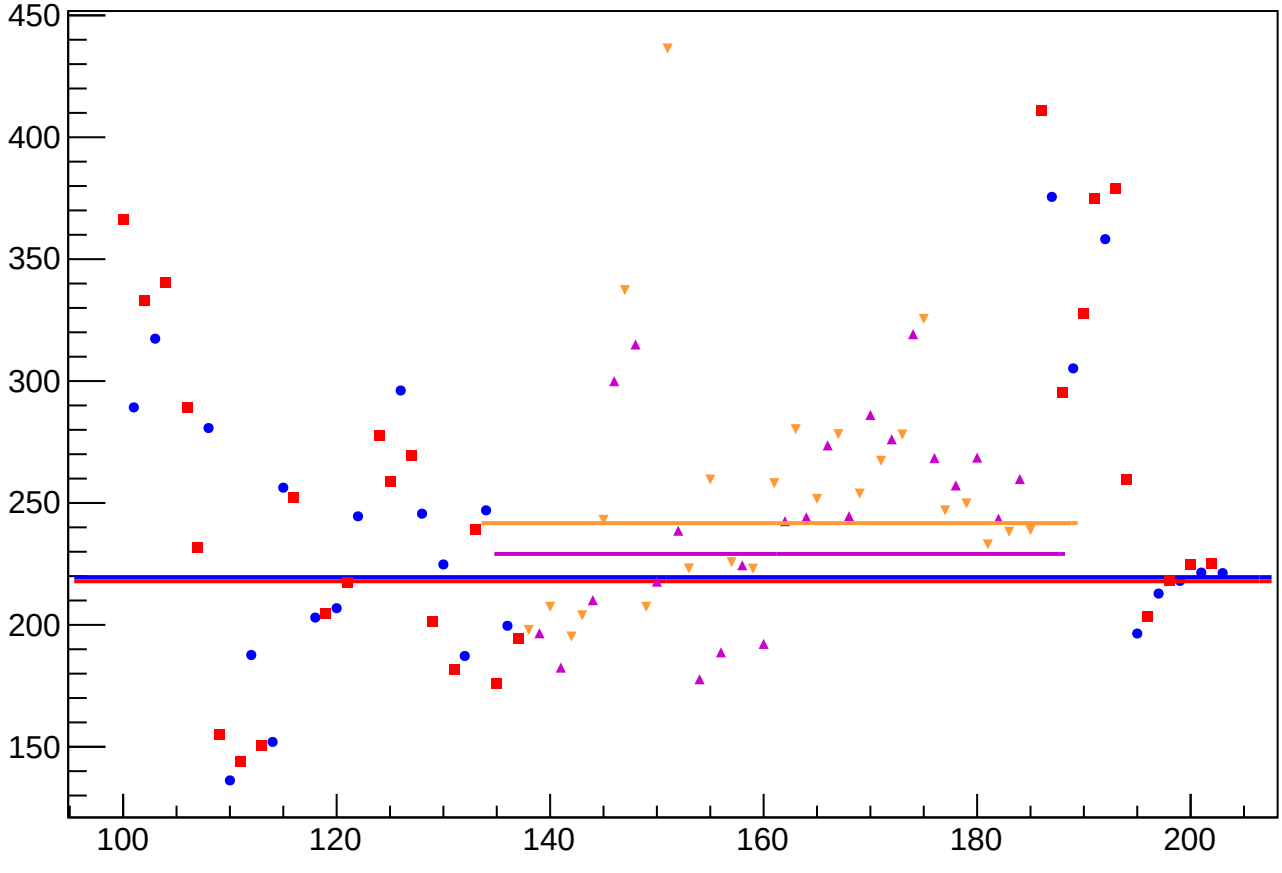
Right: -314.120+/-43.177 χ^2/NDF: 14779.7/52

In: 289.826+/-41.307 χ^2/NDF:7752.1/46

Out: 95.617+/-40.978 χ^2/NDF:9730.3/53

All: 191.945+/-29.092 χ^2/NDF: 17493.6/100

asym_bpm0l01WS_rms vs Slug, Sign Corrected



Right In: 219.585+/-0.044 χ^2/NDF: 1171352.8/23

Left Out: 241.746+/-0.040 χ^2/NDF:986390.8/24

Right Out: 217.893+/-0.042 χ^2/NDF: 1905019.6/28

Left In: 229.103+/-0.039 χ^2/NDF:1068960.6/22

Left: 235.300+/-0.028 χ^2/NDF: 2106890.7/47

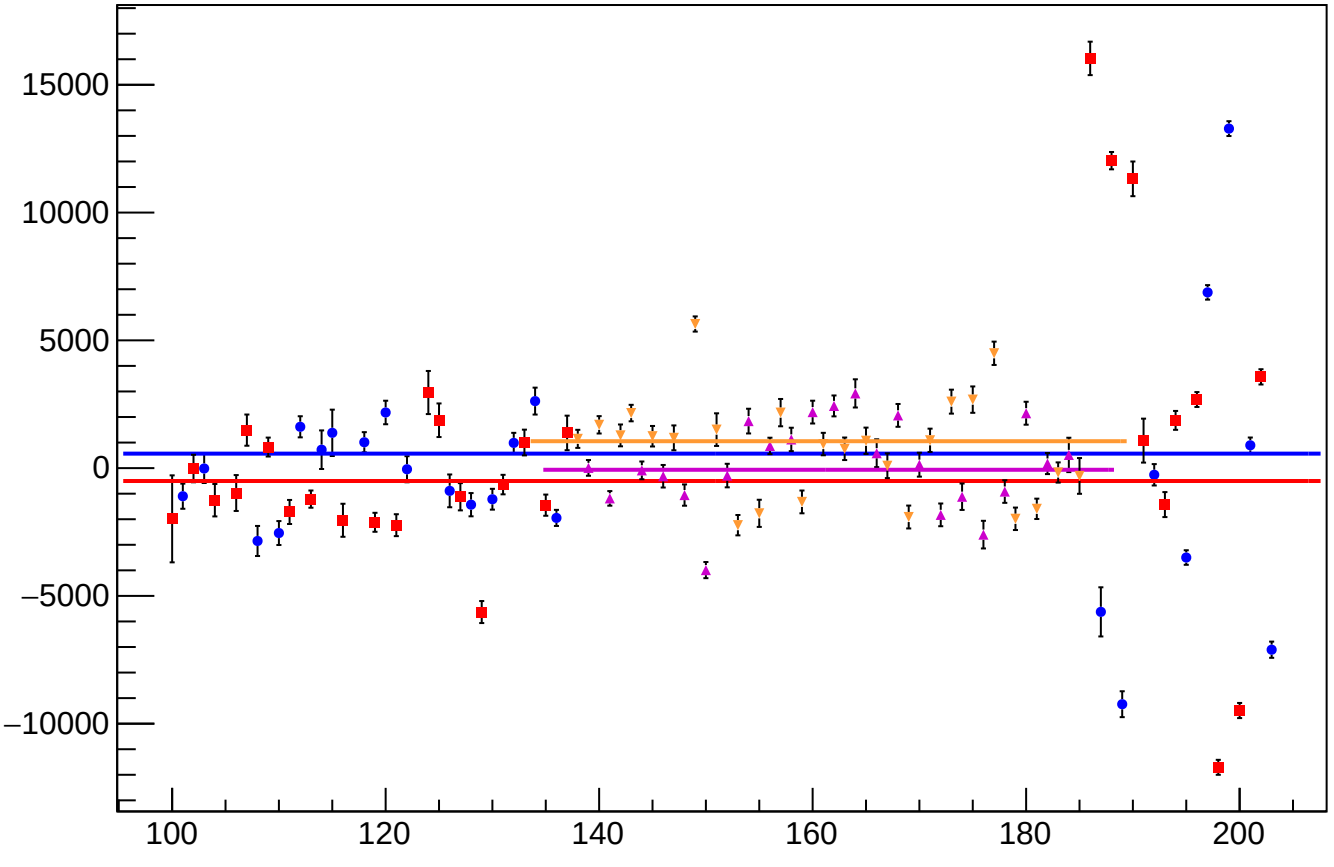
Right: 218.704+/-0.031 χ^2/NDF: 3077139.1/52

In: 224.928+/-0.029 χ^2/NDF:2266463.1/46

Out: 230.558+/-0.029 χ^2/NDF:3060176.1/53

All: 227.765+/-0.021 χ^2/NDF: 5345367.3/100

asym_bpm0l02WS_mean vs Slug, Sign Corrected



Right In: 567.133+/-84.523 χ^2/NDF: 3856.7/23

Left Out: 1053.354+/-85.895 χ^2/NDF:614.6/24

Right Out: -504.189+/-81.601 χ^2/NDF: 5316.4/28

Left In: -64.646+/-86.660 χ^2/NDF:394.4/22

Left: 499.305+/-61.006 χ^2/NDF: 1093.0/47

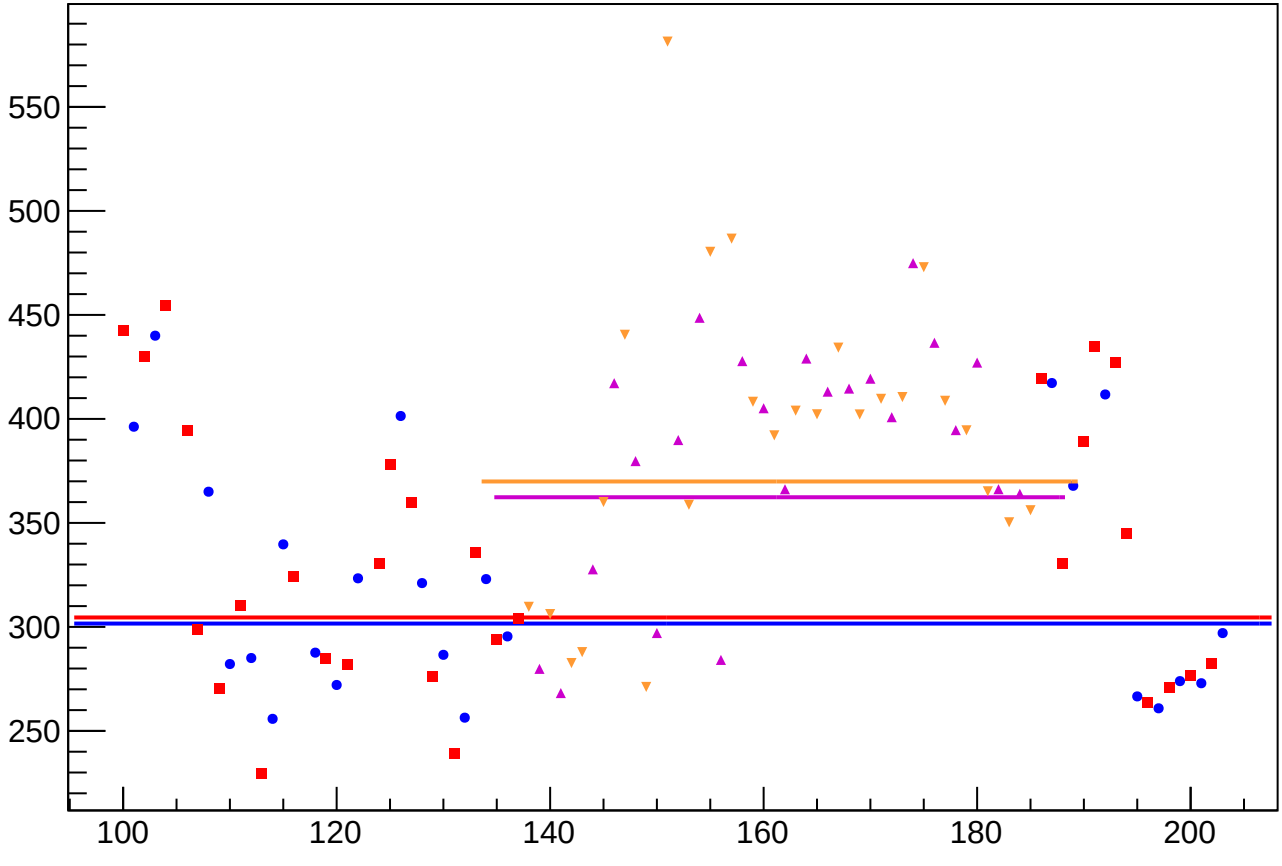
Right: 12.636+/-58.706 χ^2/NDF: 9256.3/52

In: 259.129+/-60.508 χ^2/NDF:4278.4/46

Out: 234.676+/-59.161 χ^2/NDF:6103.8/53

All: 246.627+/-42.301 χ^2/NDF: 10382.3/100

asym_bpm0l02WS_rms vs Slug, Sign Corrected



Right In: 301.612+/-0.060 χ^2/NDF: 642904.2/23

Left Out: 369.923+/-0.061 χ^2/NDF:1230300.9/24

Right Out: 304.541+/-0.058 χ^2/NDF: 915919.6/28

Left In: 362.341+/-0.061 χ^2/NDF:1053395.6/22

Left: 366.166+/-0.043 χ^2/NDF: 2291420.1/47

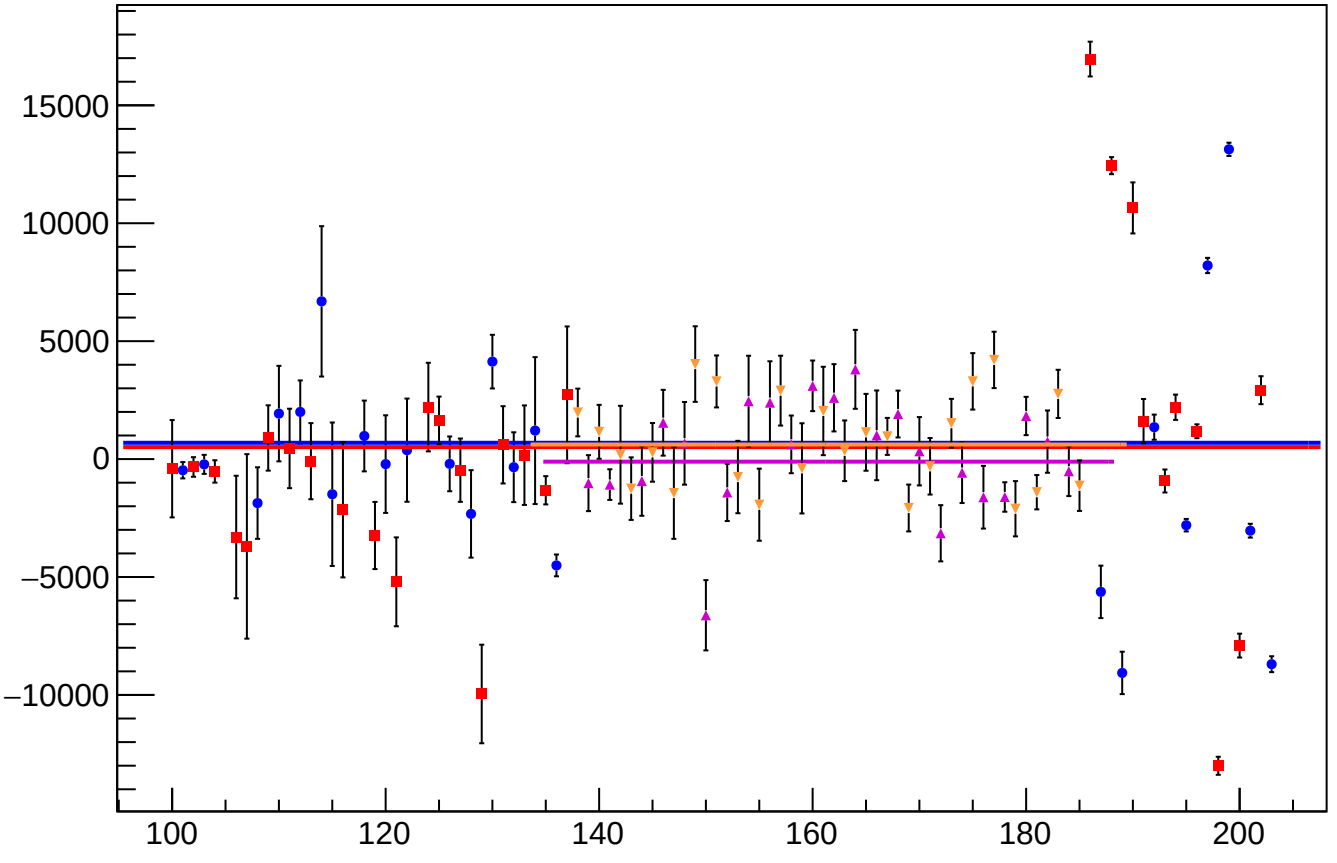
Right: 303.128+/-0.042 χ^2/NDF: 1560067.1/52

In: 331.219+/-0.043 χ^2/NDF:2199646.1/46

Out: 335.557+/-0.042 χ^2/NDF:2755313.8/53

All: 333.437+/-0.030 χ^2/NDF: 4960217.1/100

asym_bpm0l03WS_mean vs Slug, Sign Corrected



Right In: 691.419+/-107.626 χ^2/NDF: 3928.5/23

Left Out: 618.538+/-238.150 χ^2/NDF:65.7/24

Right Out: 507.543+/-126.213 χ^2/NDF: 3312.2/28

Left In: -109.519+/-237.827 χ^2/NDF:71.7/22

Left: 254.016+/-168.283 χ^2/NDF: 142.1/47

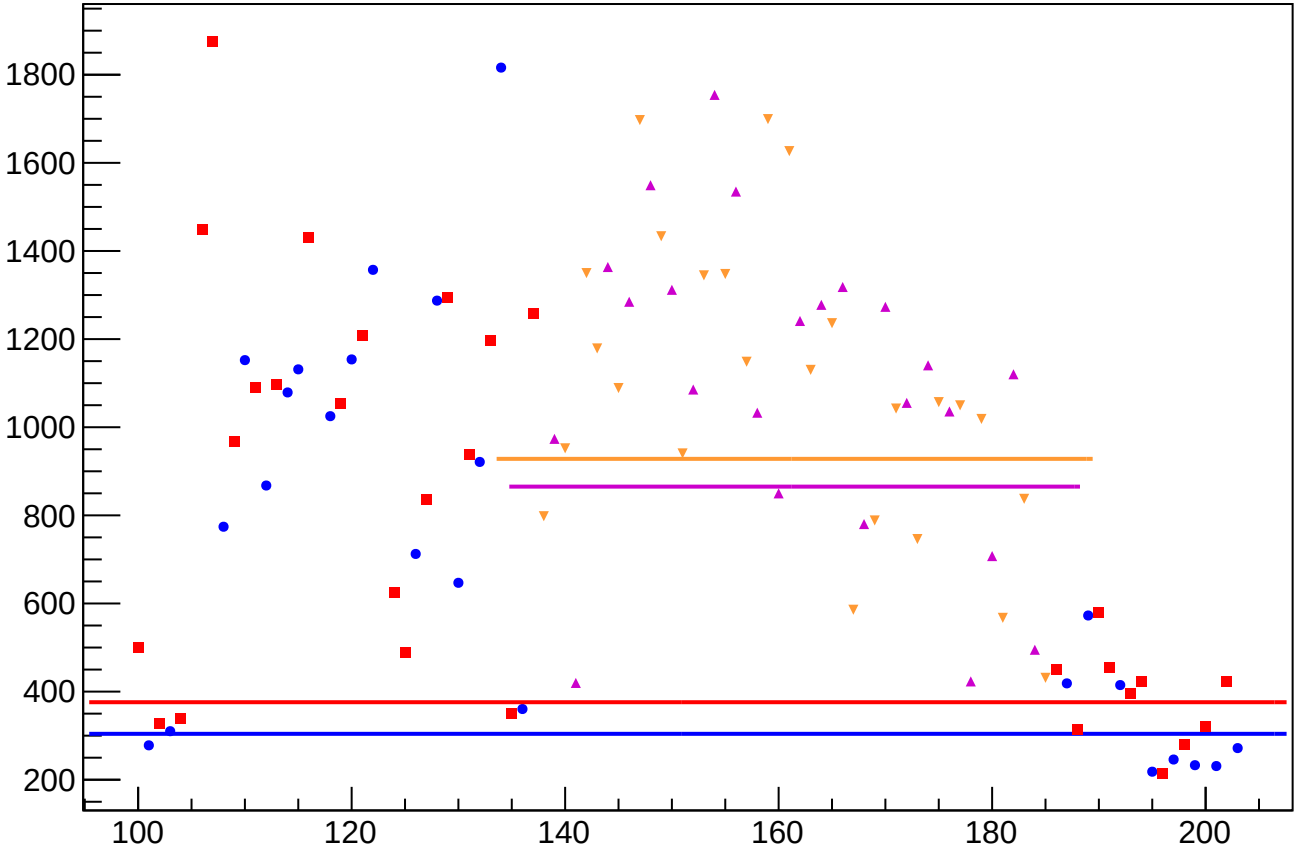
Right: 614.005+/-81.894 χ^2/NDF: 7241.9/52

In: 555.274+/-98.053 χ^2/NDF:4009.6/46

Out: 531.883+/-111.520 χ^2/NDF:3378.1/53

All: 545.075+/-73.637 χ^2/NDF: 7387.7/100

asym_bpm0l03WS_rms vs Slug, Sign Corrected



Right In: 304.183+/-0.076 χ^2/NDF: 5111026.5/23

Left Out: 928.240+/-0.168 χ^2/NDF:3294716.2/24

Right Out: 375.926+/-0.089 χ^2/NDF: 5283077.5/28

Left In: 865.223+/-0.168 χ^2/NDF:4792678.4/22

Left: 896.689+/-0.119 χ^2/NDF: 8157507.8/47

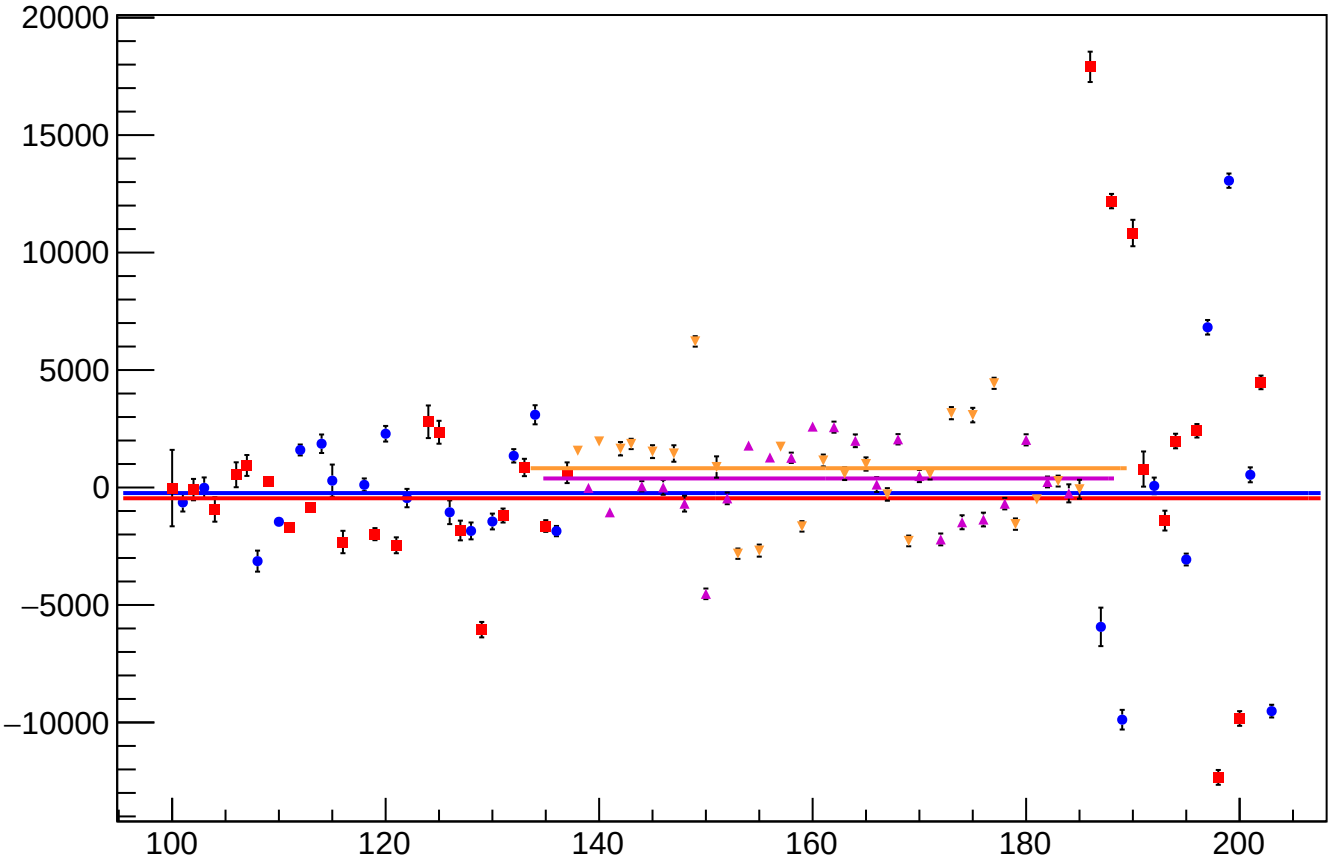
Right: 334.388+/-0.058 χ^2/NDF: 10768258.0/52

In: 399.550+/-0.069 χ^2/NDF:19141788.9/46

Out: 497.038+/-0.079 χ^2/NDF:16976168.0/53

All: 442.055+/-0.052 χ^2/NDF: 36979952.2/10

asym_bpm0l04WS_mean vs Slug, Sign Corrected



Right In: -236.962+/-65.605 χ^2/NDF: 4726.7/23

Left Out: 820.821+/-49.996 χ^2/NDF:1990.8/24

Right Out: -458.426+/-61.352 χ^2/NDF: 6255.4/28

Left In: 385.002+/-48.455 χ^2/NDF:1253.3/22

Left: 596.090+/-34.795 χ^2/NDF: 3283.3/47

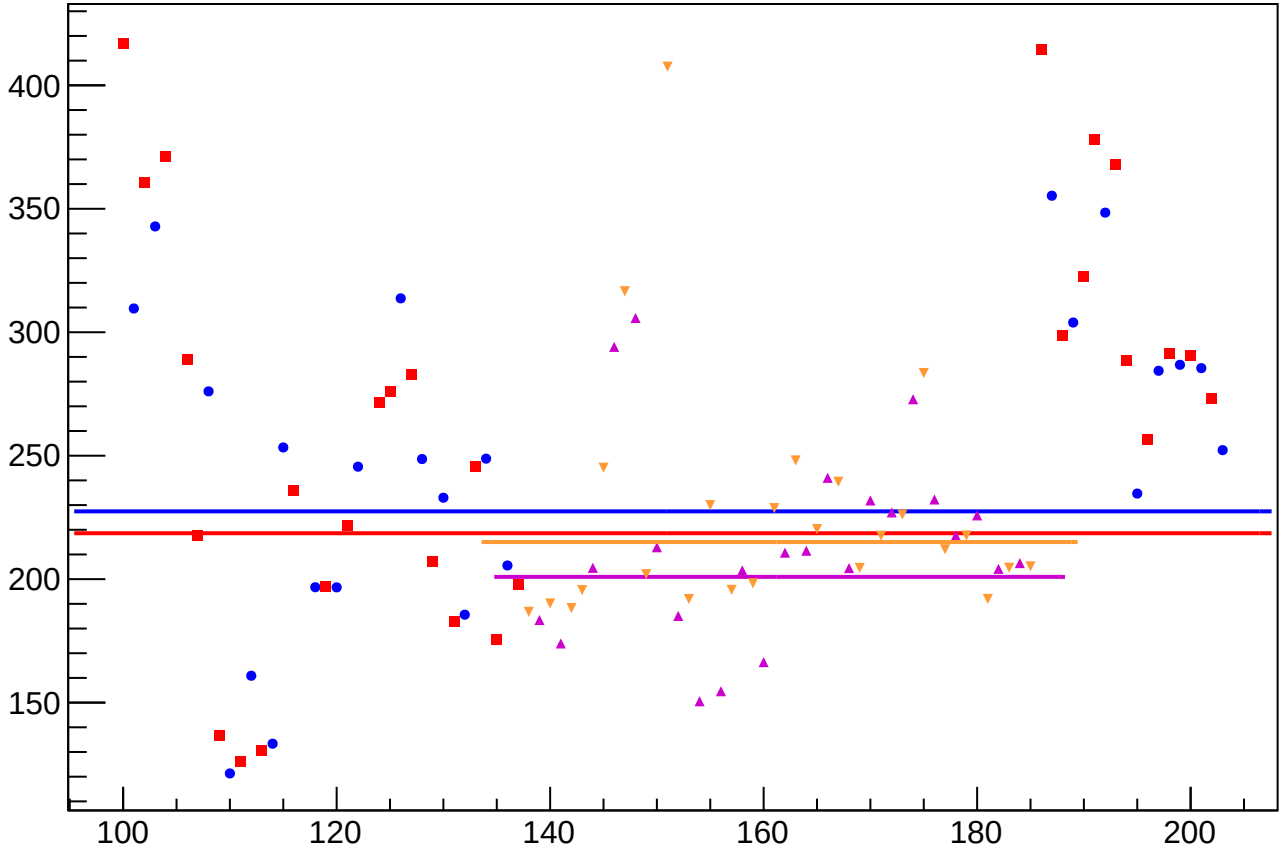
Right: -355.105+/-44.811 χ^2/NDF: 10988.2/52

In: 165.474+/-38.976 χ^2/NDF:6038.1/46

Out: 310.322+/-38.757 χ^2/NDF:8507.4/53

All: 238.307+/-27.483 χ^2/NDF: 14552.5/100

asym_bpm0l04WS_rms vs Slug, Sign Corrected



Right In: 227.454+/-0.046 χ^2/NDF: 1836704.2/23

Left Out: 215.027+/-0.035 χ^2/NDF:897791.6/24

Right Out: 218.596+/-0.043 χ^2/NDF: 3027767.0/28

Left In: 200.917+/-0.034 χ^2/NDF:1105842.5/22

Left: 207.751+/-0.025 χ^2/NDF: 2085775.1/47

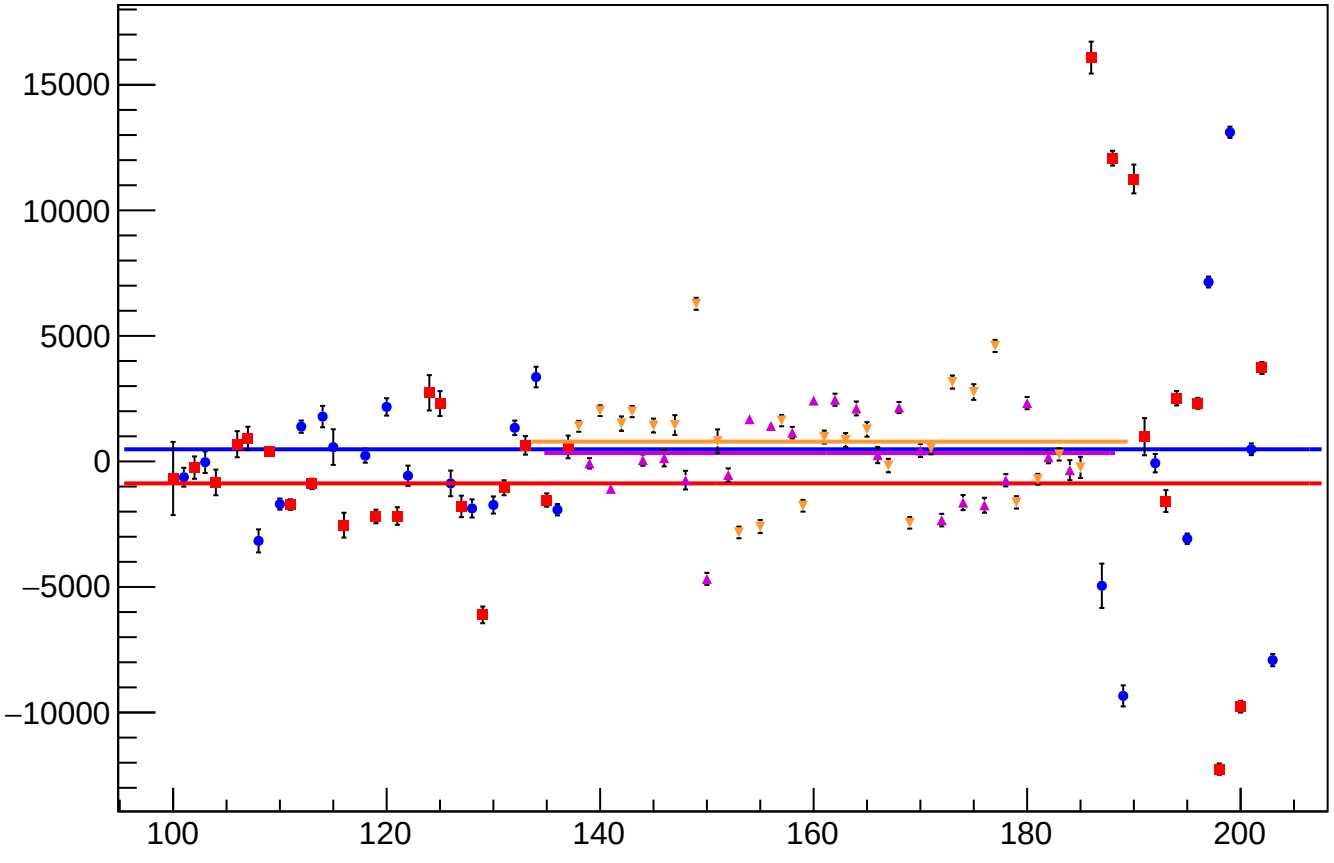
Right: 222.729+/-0.032 χ^2/NDF: 4883924.9/52

In: 210.284+/-0.028 χ^2/NDF:3154285.6/46

Out: 216.451+/-0.027 χ^2/NDF:3929625.3/53

All: 213.385+/-0.019 χ^2/NDF: 7109090.3/100

asym_bpm0l05WS_mean vs Slug, Sign Corrected



Right In: 483.321+/-61.846 χ^2/NDF: 6749.4/23

Left Out: 788.110+/-51.424 χ^2/NDF:1890.2/24

Right Out: -873.987+/-59.055 χ^2/NDF: 8319.8/28

Left In: 333.303+/-50.194 χ^2/NDF:1215.2/22

Left: 555.203+/-35.920 χ^2/NDF: 3145.5/47

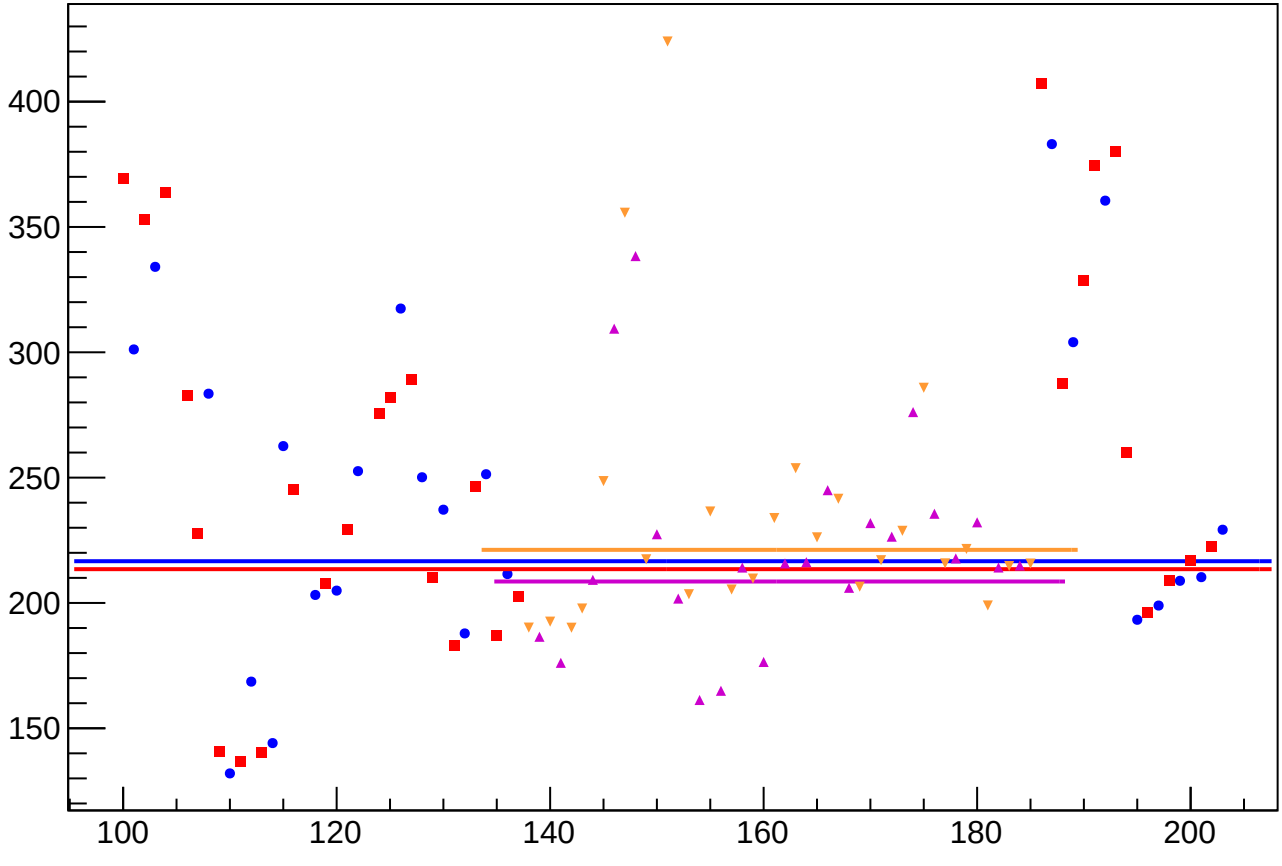
Right: -226.647+/-42.711 χ^2/NDF: 15321.1/52

In: 392.879+/-38.974 χ^2/NDF:7968.2/46

Out: 71.312+/-38.782 χ^2/NDF:10660.5/53

All: 231.301+/-27.490 χ^2/NDF: 18662.9/100

asym_bpm0l05WS_rms vs Slug, Sign Corrected



Right In: 216.652+/-0.044 χ^2/NDF: 1407342.1/23

Left Out: 221.185+/-0.036 χ^2/NDF:939520.0/24

Right Out: 213.478+/-0.042 χ^2/NDF: 2251435.4/28

Left In: 208.556+/-0.035 χ^2/NDF:1035638.0/22

Left: 214.718+/-0.025 χ^2/NDF: 2036930.5/47

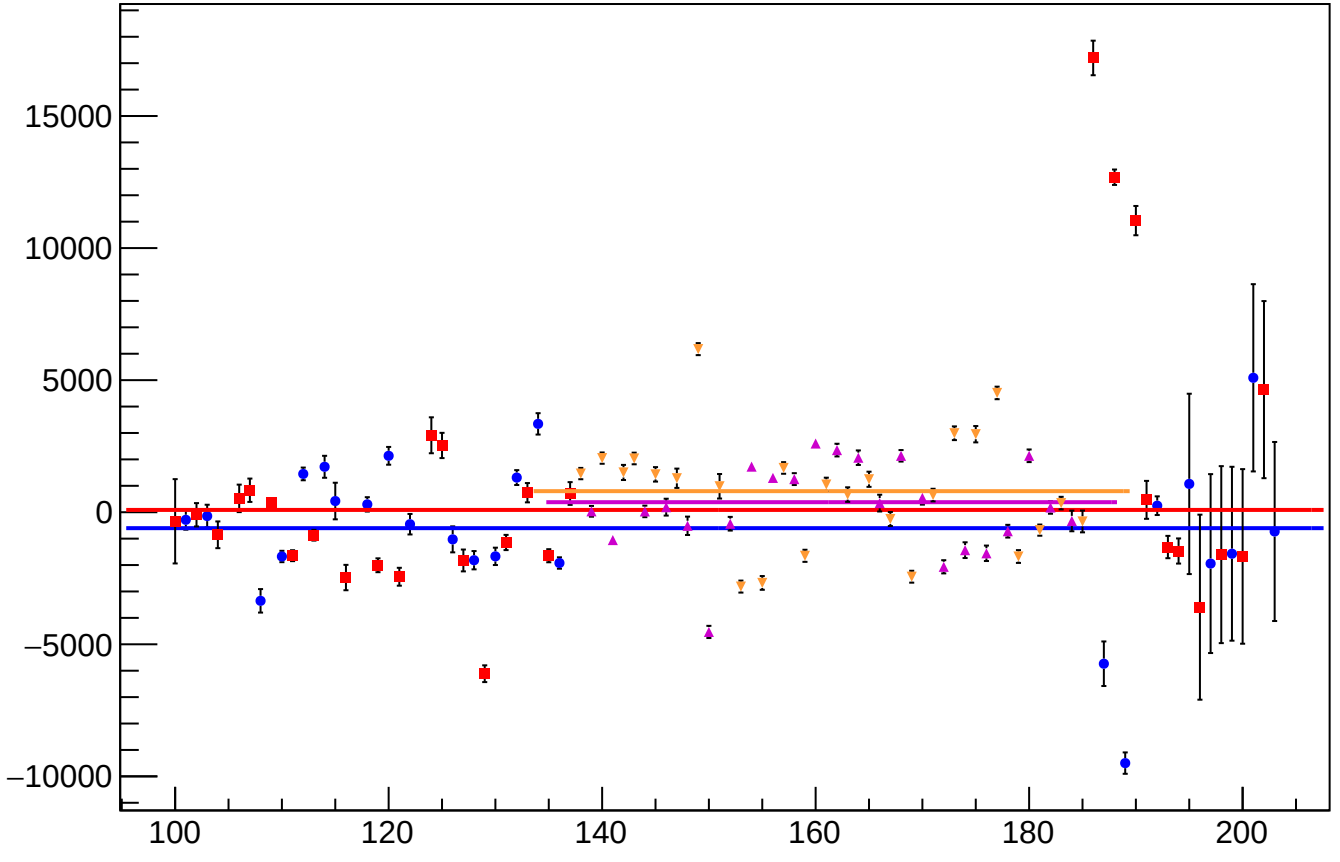
Right: 214.992+/-0.030 χ^2/NDF: 3661533.7/52

In: 211.771+/-0.028 χ^2/NDF:2463642.6/46

Out: 217.861+/-0.027 χ^2/NDF:3210331.6/53

All: 214.831+/-0.019 χ^2/NDF: 5698512.3/100

asym_bpm0l06WS_mean vs Slug, Sign Corrected



Right In: -603.385+/-76.398 χ^2/NDF: 979.6/23

Left Out: 797.475+/-50.495 χ^2/NDF:1960.8/24

Right Out: 86.829+/-68.129 χ^2/NDF: 3733.6/28

Left In: 379.578+/-49.183 χ^2/NDF:1201.2/22

Left: 583.028+/-35.232 χ^2/NDF: 3197.2/47

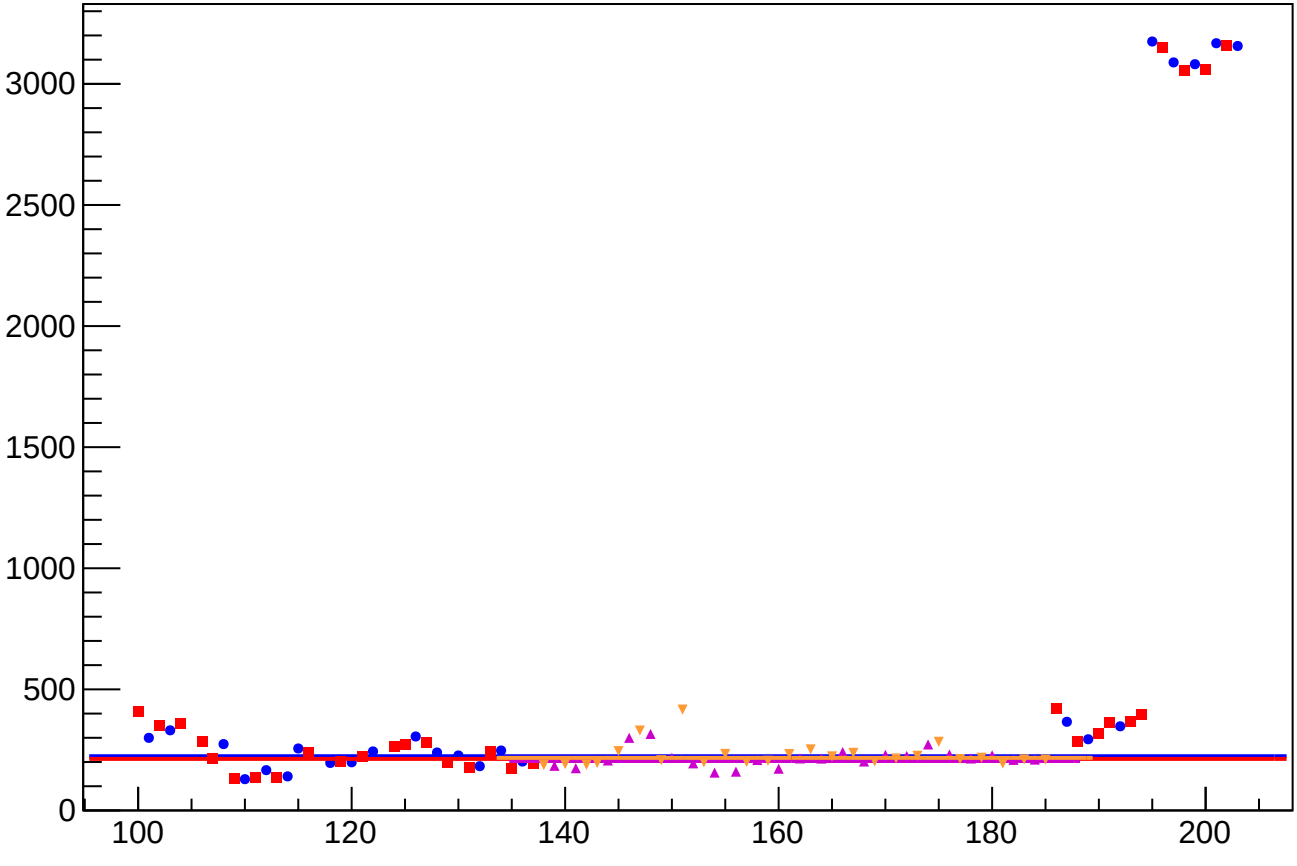
Right: -218.918+/-50.847 χ^2/NDF: 4758.7/52

In: 91.556+/-41.355 χ^2/NDF:2297.8/46

Out: 545.508+/-40.567 χ^2/NDF:5764.7/53

All: 322.894+/-28.960 χ^2/NDF: 8123.9/100

asym_bpm0l06WS_rms vs Slug, Sign Corrected



Right In: 223.844+/-0.054 χ^2/NDF: 8655921.9/23

Left Out: 217.224+/-0.036 χ^2/NDF:910445.0/24

Right Out: 212.925+/-0.048 χ^2/NDF: 8494737.3/28

Left In: 204.308+/-0.035 χ^2/NDF:1015049.0/22

Left: 210.596+/-0.025 χ^2/NDF: 1992646.9/47

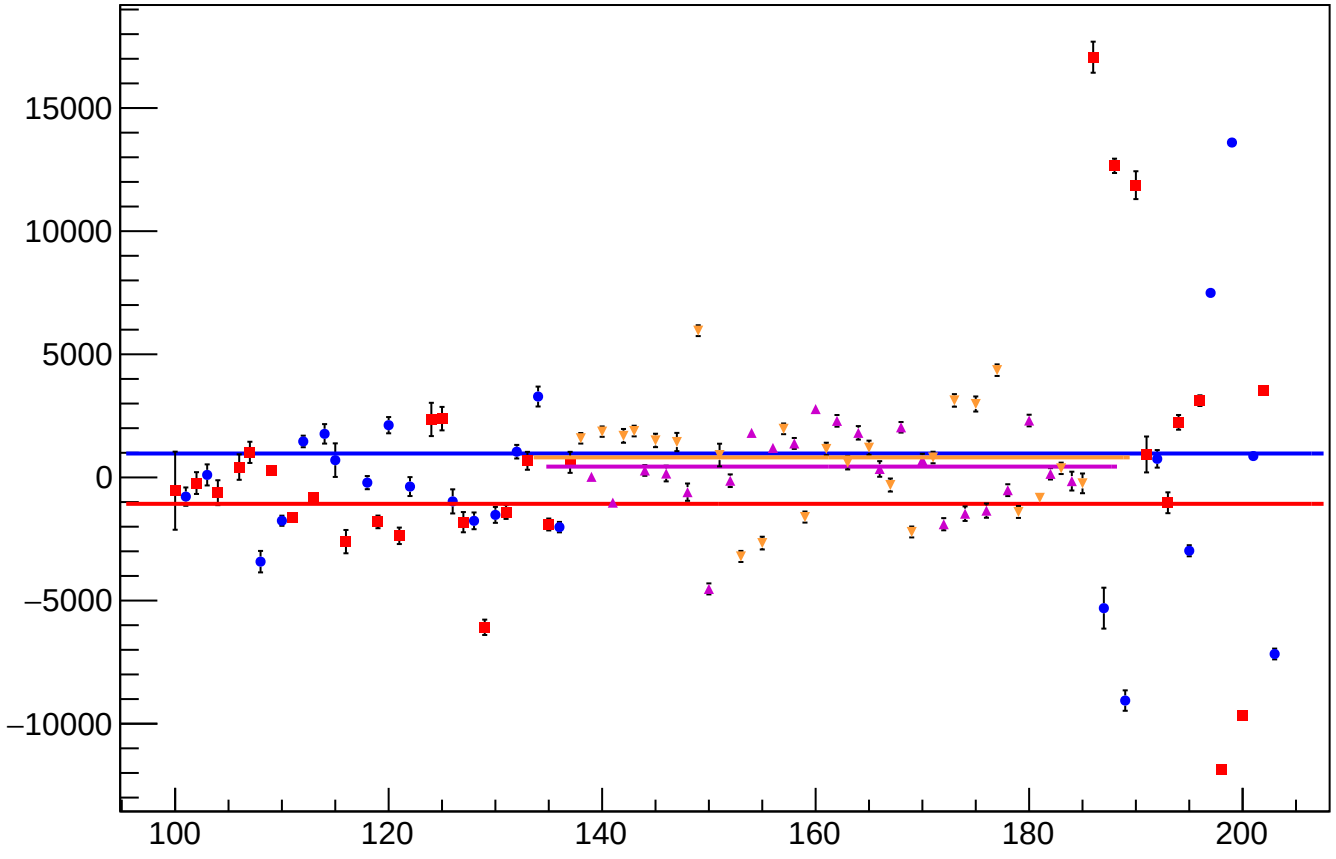
Right: 217.762+/-0.036 χ^2/NDF: 17173415.2/52

In: 210.032+/-0.029 χ^2/NDF:9763432.3/46

Out: 215.700+/-0.029 χ^2/NDF:9410322.3/53

All: 212.921+/-0.020 χ^2/NDF: 19192899.0/10

asym_bpm0l07WS_mean vs Slug, Sign Corrected



Right In: 971.779+/-58.039 χ^2/NDF: 8679.4/23

Left Out: 814.275+/-49.760 χ^2/NDF:2000.4/24

Right Out: -1071.856+/-55.175 χ^2/NDF: 9971.7/28

Left In: 439.674+/-48.535 χ^2/NDF:1235.0/22

Left: 622.309+/-34.745 χ^2/NDF: 3264.4/47

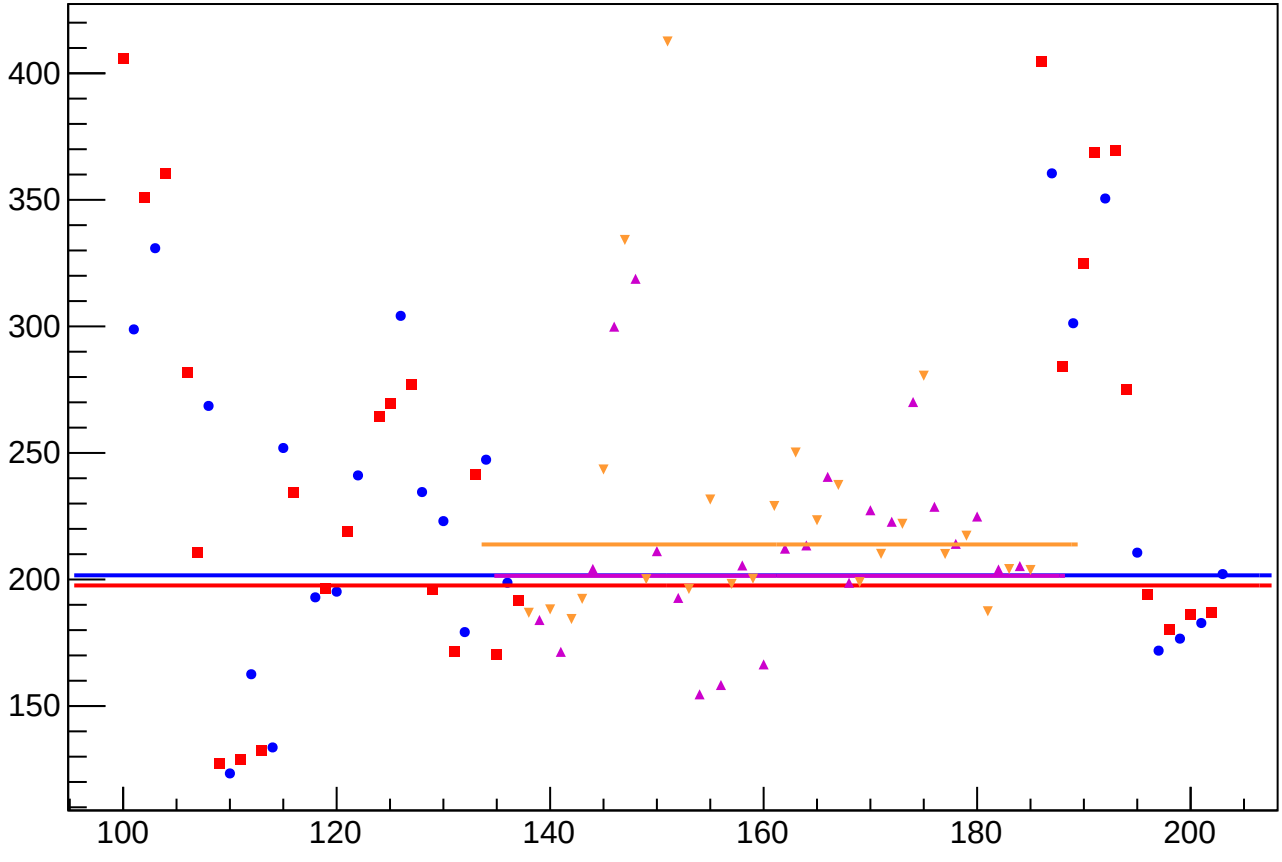
Right: -101.702+/-39.989 χ^2/NDF: 19302.3/52

In: 658.649+/-37.232 χ^2/NDF:9963.8/46

Out: -31.706+/-36.952 χ^2/NDF:12616.5/53

All: 310.863+/-26.228 χ^2/NDF: 22753.5/100

asym_bpm0l07WS_rms vs Slug, Sign Corrected



Right In: 201.646+/-0.041 χ^2/NDF: 1600694.4/23

Left Out: 213.848+/-0.035 χ^2/NDF:963582.3/24

Right Out: 197.646+/-0.039 χ^2/NDF: 2634089.4/28

Left In: 201.446+/-0.034 χ^2/NDF:1061972.3/22

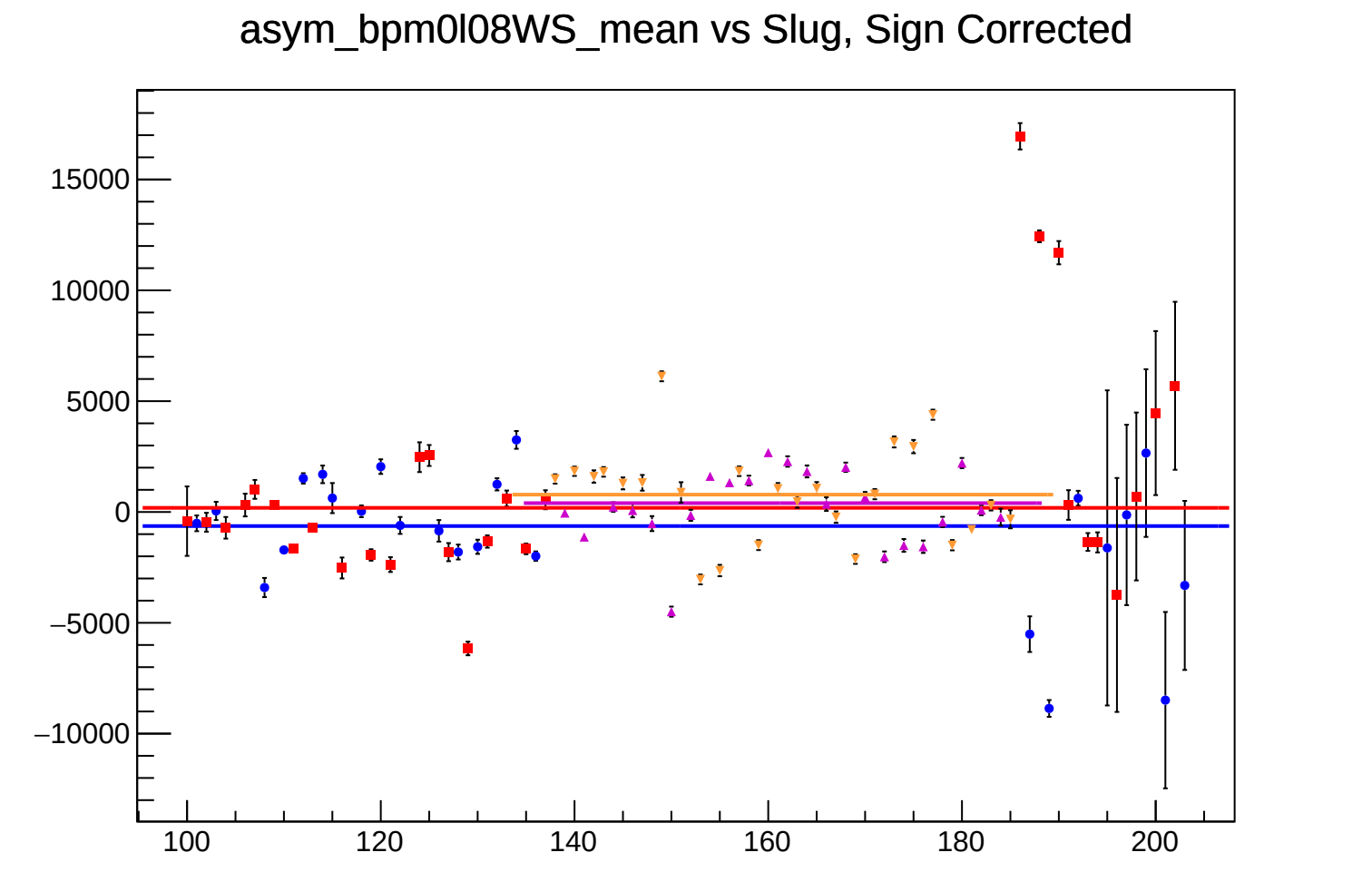
Left: 207.492+/-0.025 χ^2/NDF: 2089227.0/47

Right: 199.545+/-0.028 χ^2/NDF: 4239773.7/52

In: 201.528+/-0.026 χ^2/NDF:2662680.7/46

Out: 206.581+/-0.026 χ^2/NDF:3692779.8/53

All: 204.073+/-0.019 χ^2/NDF: 6374018.3/100



Right In: -634.611+/-74.008 χ^2/NDF: 997.6/23

Left Out: 782.388+/-49.199 χ^2/NDF:2001.3/24

Right Out: 186.634+/-65.446 χ^2/NDF: 4276.0/28

Left In: 399.798+/-47.819 χ^2/NDF:1232.0/22

Left: 585.651+/-34.291 χ^2/NDF: 3264.4/47

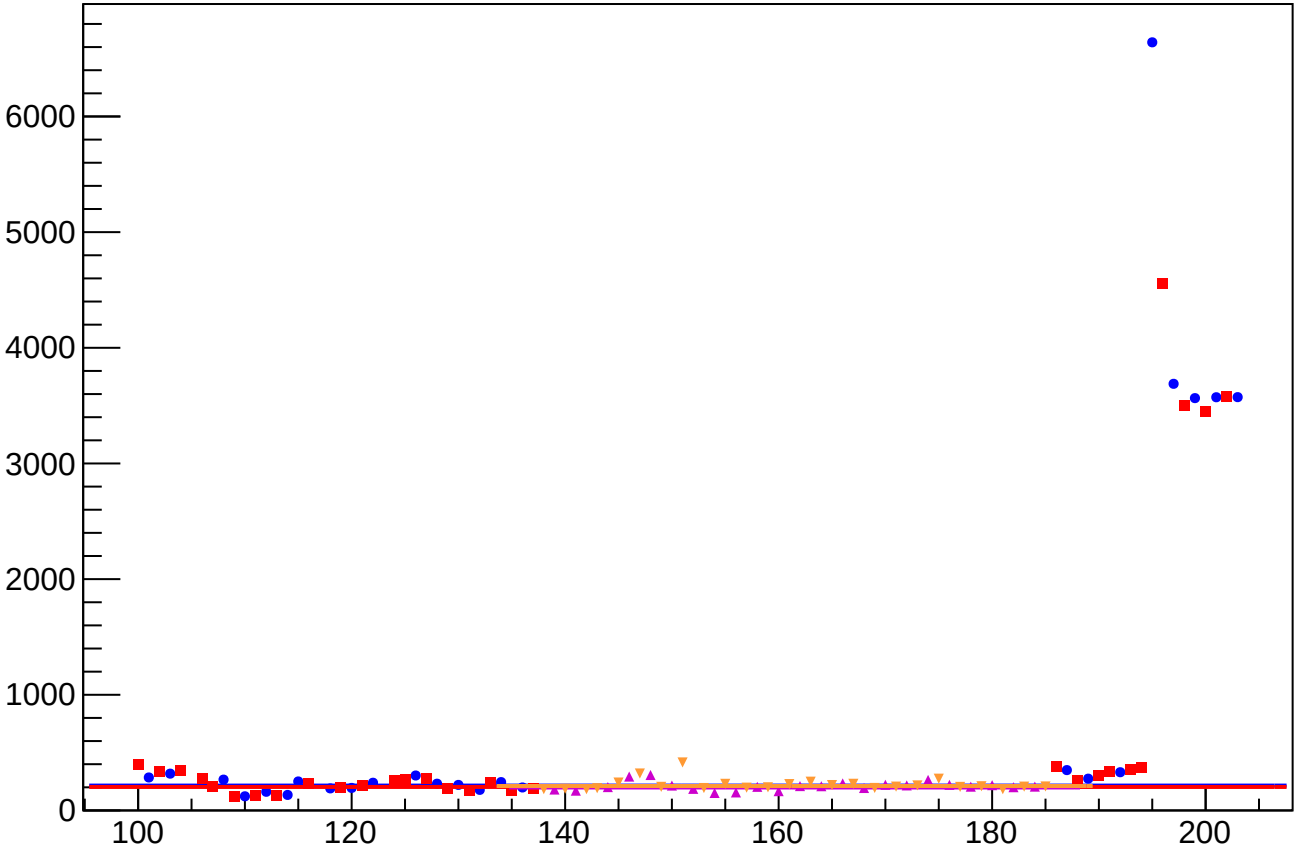
Right: -173.755+/-49.026 χ^2/NDF: 5342.7/52

In: 95.142+/-40.164 χ^2/NDF:2367.4/46

Out: 567.277+/-39.326 χ^2/NDF:6330.2/53

All: 336.186+/-28.099 χ^2/NDF: 8768.2/100

asym_bpm0l08WS_rms vs Slug, Sign Corrected



Right In: 215.040+/-0.052 χ^2/NDF: 8976579.8/23

Left Out: 211.496+/-0.035 χ^2/NDF:934978.4/24

Right Out: 203.206+/-0.046 χ^2/NDF: 8602043.5/28

Left In: 198.524+/-0.034 χ^2/NDF:1006458.6/22

Left: 204.826+/-0.024 χ^2/NDF: 2012924.3/47

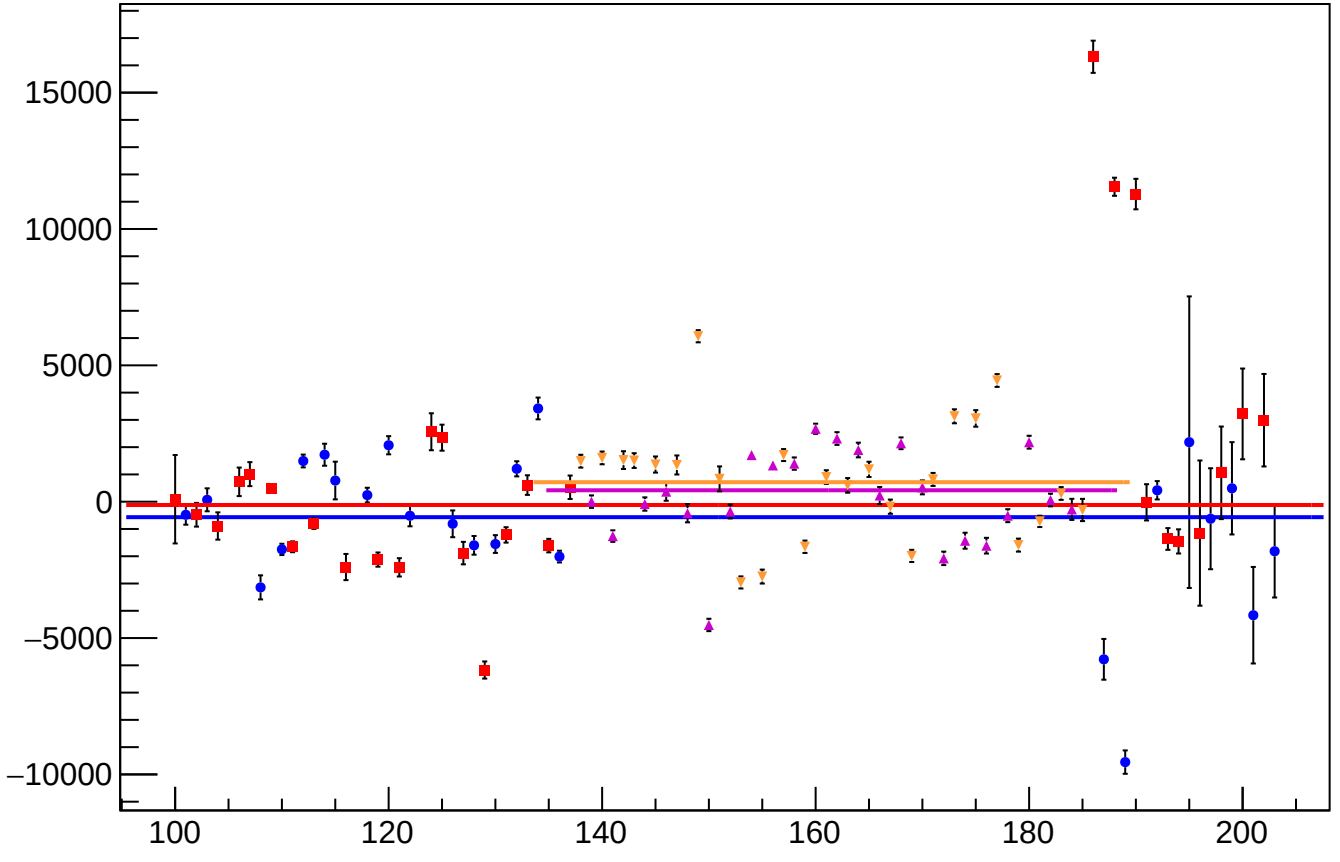
Right: 208.399+/-0.035 χ^2/NDF: 17607320.7/52

In: 203.389+/-0.028 χ^2/NDF:10053306.3/46

Out: 208.503+/-0.028 χ^2/NDF:9557522.8/53

All: 206.000+/-0.020 χ^2/NDF: 19627381.5/10

asym_bpm0l09WS_mean vs Slug, Sign Corrected



Right In: -567.318+/-75.009 χ^2/NDF: 958.4/23

Left Out: 715.643+/-51.110 χ^2/NDF:1918.0/24

Right Out: -120.704+/-67.133 χ^2/NDF: 3166.5/28

Left In: 418.574+/-49.523 χ^2/NDF:1241.0/22

Left: 562.426+/-35.566 χ^2/NDF: 3176.4/47

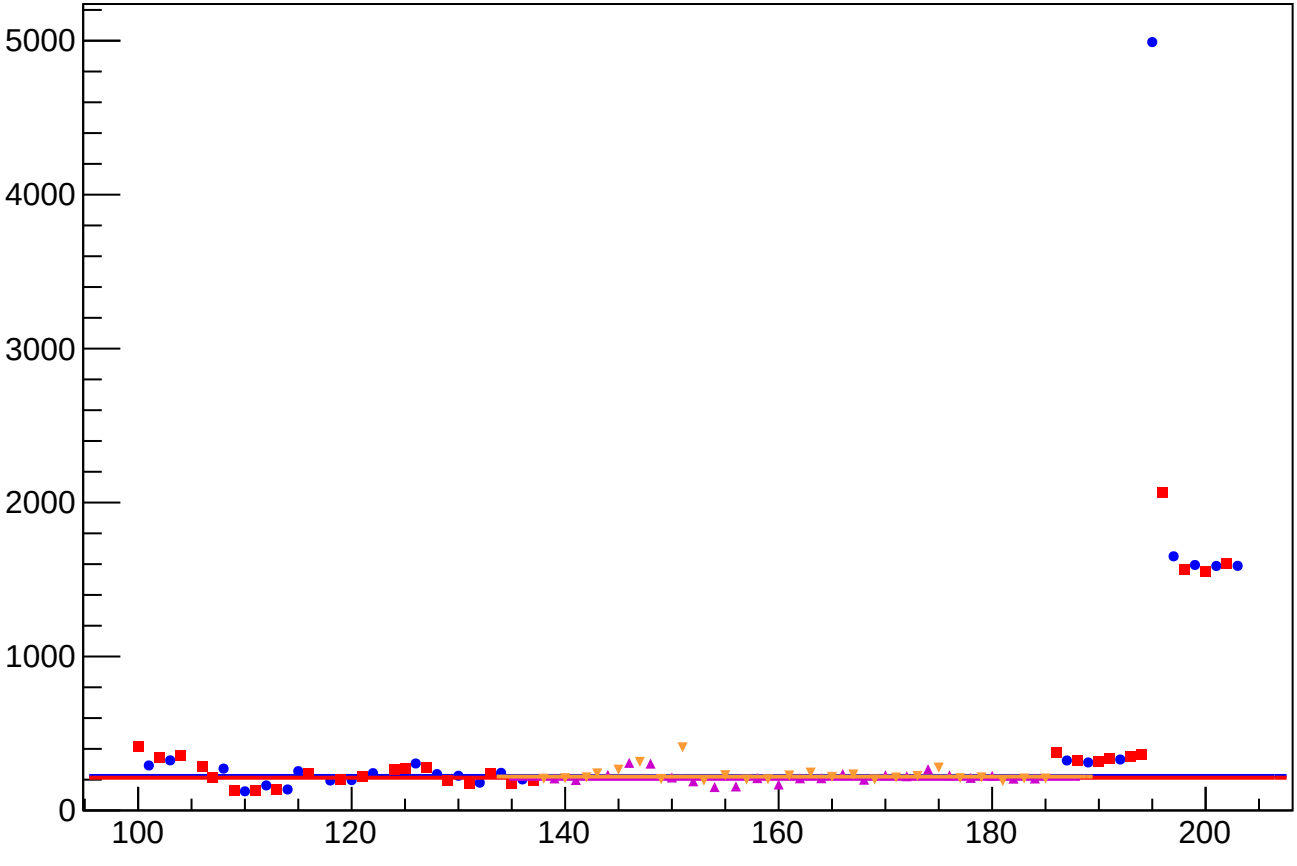
Right: -319.339+/-50.024 χ^2/NDF: 4144.6/52

In: 119.283+/-41.328 χ^2/NDF:2319.6/46

Out: 408.760+/-40.666 χ^2/NDF:5182.8/53

All: 266.360+/-28.986 χ^2/NDF: 7527.3/100

asym_bpm0l09WS_rms vs Slug, Sign Corrected



Right In: 224.002+/-0.053 χ^2/NDF: 7978264.1/23

Left Out: 220.145+/-0.036 χ^2/NDF:799699.4/24

Right Out: 212.566+/-0.047 χ^2/NDF: 7588377.2/28

Left In: 205.481+/-0.035 χ^2/NDF:1013965.4/22

Left: 212.582+/-0.025 χ^2/NDF: 1898571.5/47

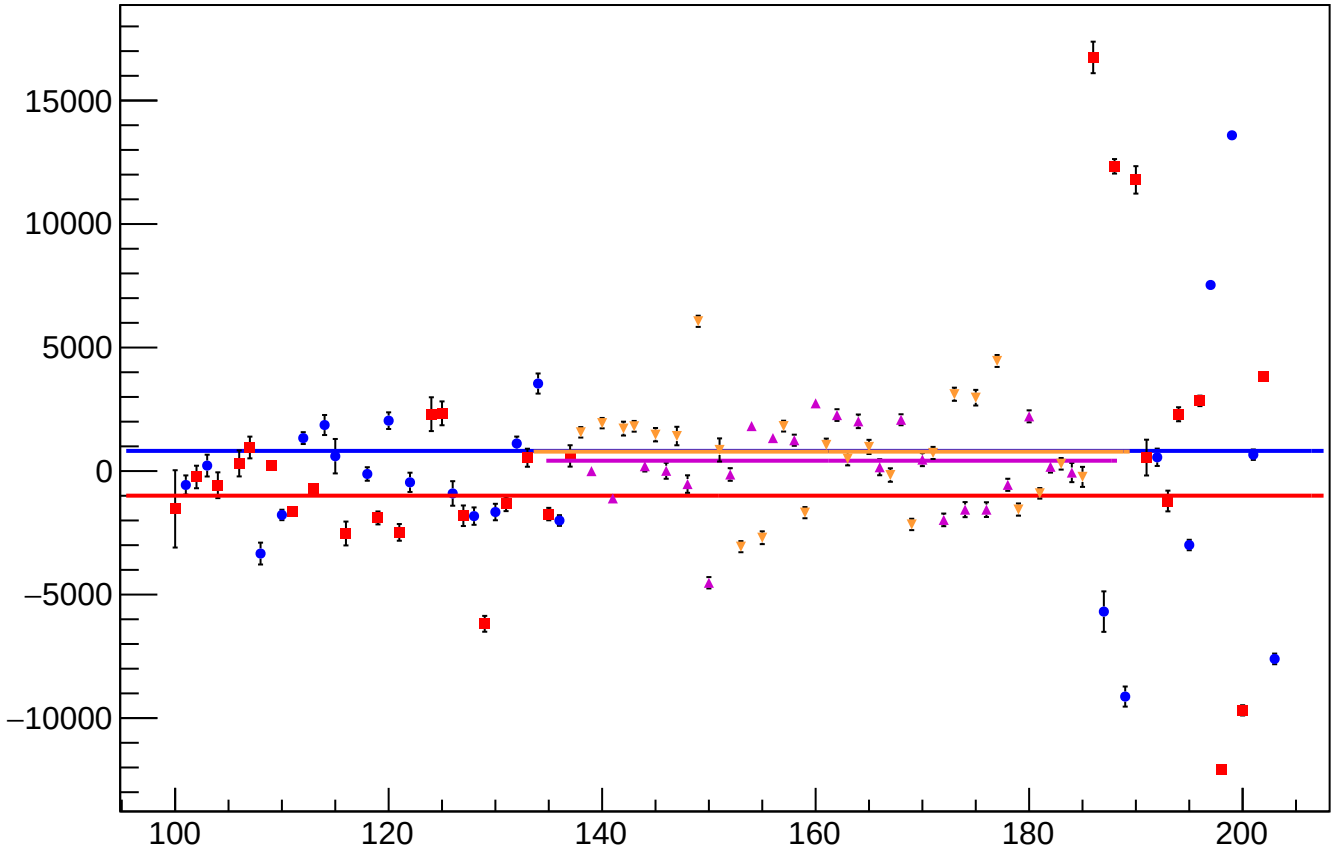
Right: 217.652+/-0.035 χ^2/NDF: 15592455.1/52

In: 211.104+/-0.029 χ^2/NDF:9077147.3/46

Out: 217.364+/-0.029 χ^2/NDF:8404213.3/53

All: 214.285+/-0.020 χ^2/NDF: 17504674.9/10

asym_bpm0l10WS_mean vs Slug, Sign Corrected



Right In: 816.441+/-58.752 χ^2/NDF: 8683.5/23

Left Out: 786.922+/-50.524 χ^2/NDF:1937.6/24

Right Out: -995.710+/-56.173 χ^2/NDF: 9635.6/28

Left In: 418.824+/-49.152 χ^2/NDF:1211.0/22

Left: 597.806+/-35.231 χ^2/NDF: 3175.8/47

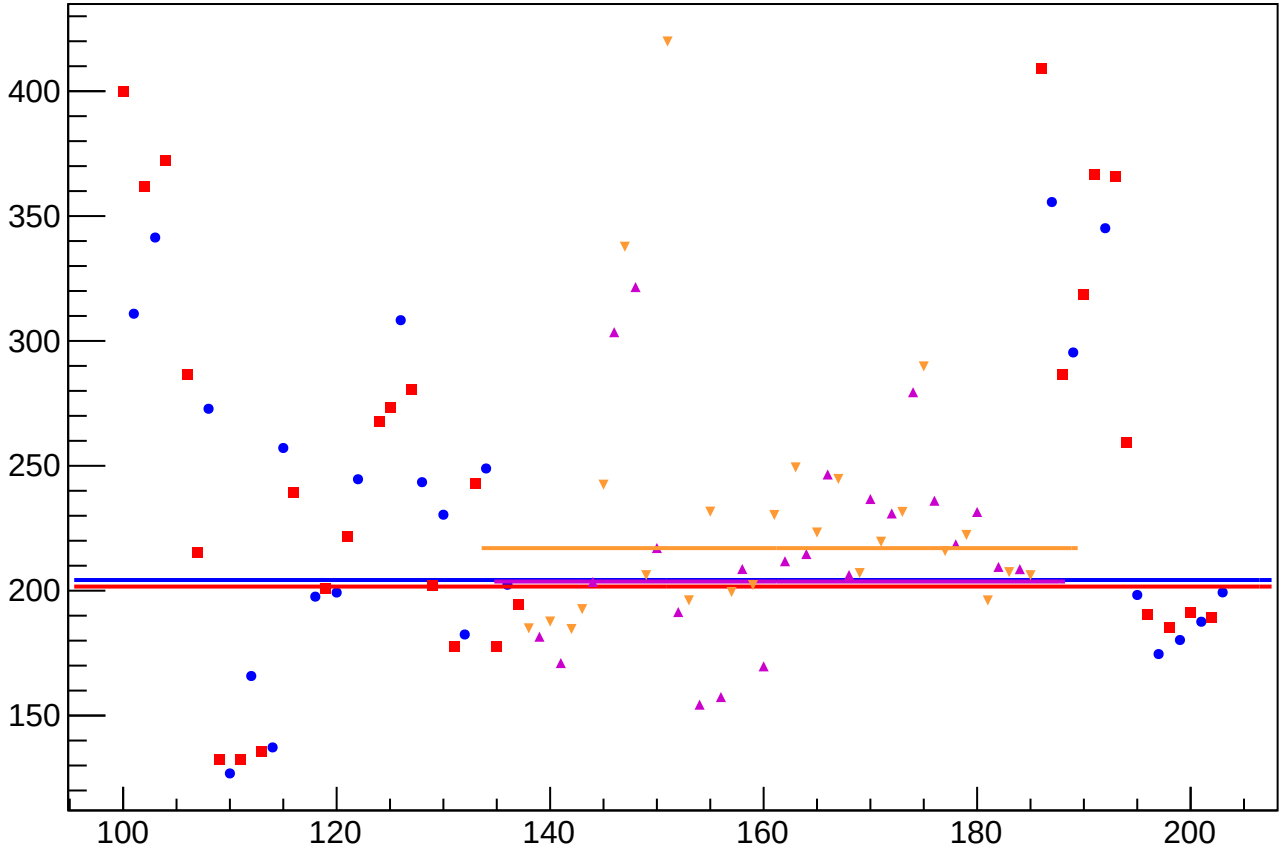
Right: -130.280+/-40.601 χ^2/NDF: 18816.2/52

In: 582.535+/-37.699 χ^2/NDF:9921.5/46

Out: -10.281+/-37.565 χ^2/NDF:12129.9/53

All: 285.071+/-26.609 χ^2/NDF: 22175.5/100

asym_bpm0l10WS_rms vs Slug, Sign Corrected



Right In: 204.274+/-0.042 χ^2/NDF: 1546493.9/23

Left Out: 217.040+/-0.036 χ^2/NDF:983170.6/24

Right Out: 201.650+/-0.040 χ^2/NDF: 2476110.3/28

Left In: 203.660+/-0.035 χ^2/NDF:1165334.8/22

Left: 210.166+/-0.025 χ^2/NDF: 2220567.5/47

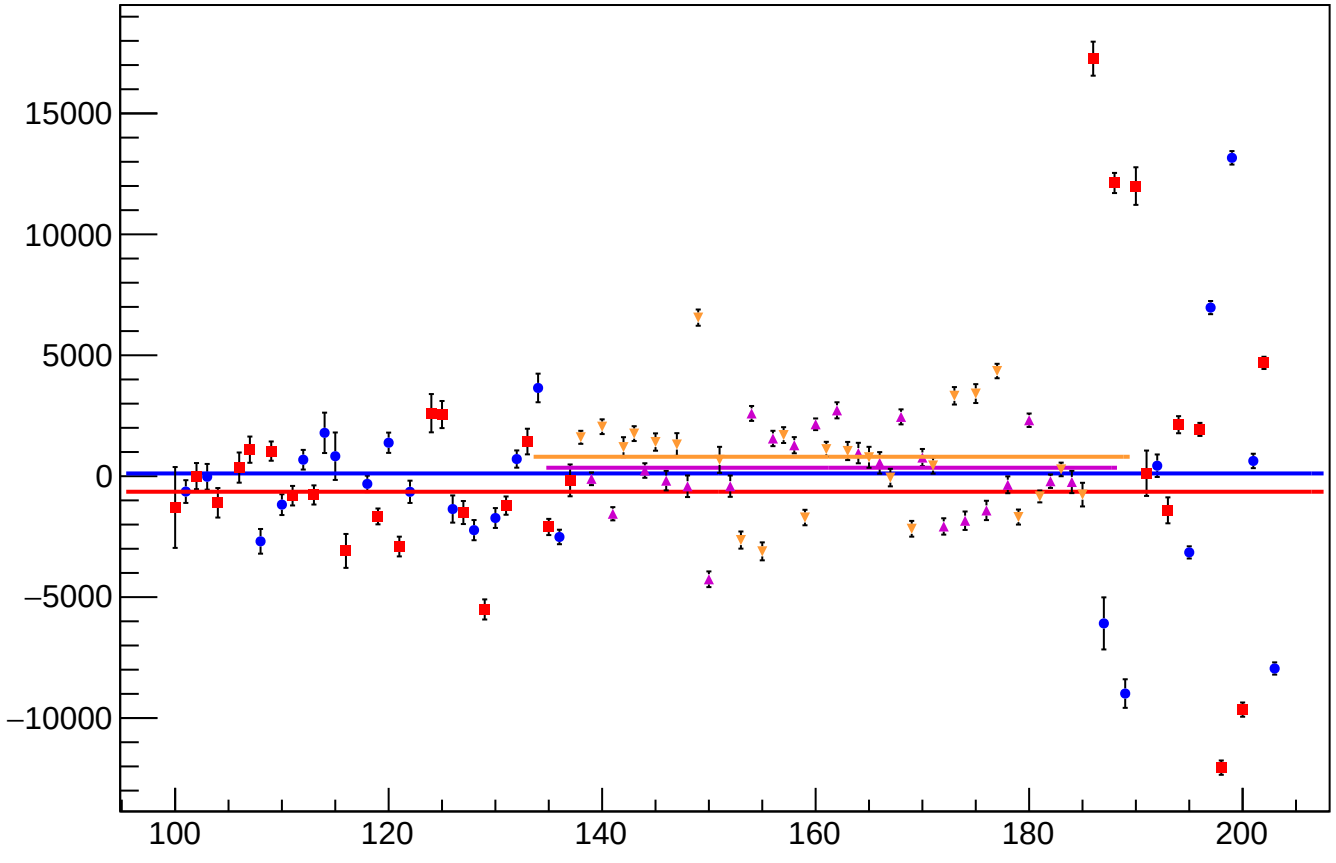
Right: 202.903+/-0.029 χ^2/NDF: 4024689.4/52

In: 203.913+/-0.027 χ^2/NDF:2711957.3/46

Out: 210.157+/-0.027 χ^2/NDF:3542273.4/53

All: 207.046+/-0.019 χ^2/NDF: 6281764.7/100

asym_bpm0r03WS_mean vs Slug, Sign Corrected



Right In: 114.071+/-79.330 χ^2/NDF: 4514.7/23

Left Out: 803.752+/-67.693 χ^2/NDF:1057.7/24

Right Out: -642.523+/-79.126 χ^2/NDF: 5187.6/28

Left In: 350.095+/-68.985 χ^2/NDF:656.1/22

Left: 581.210+/-48.316 χ^2/NDF: 1735.8/47

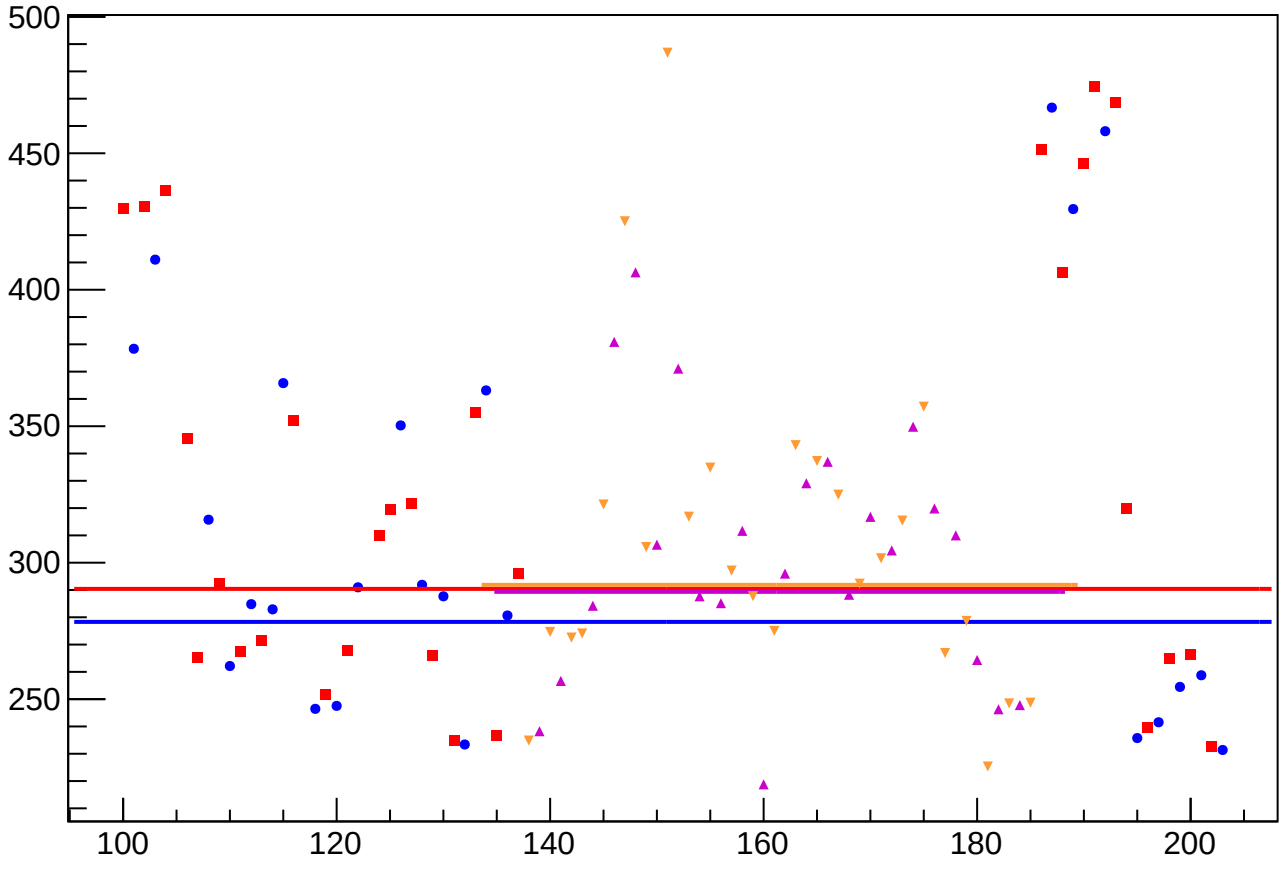
Right: -265.199+/-56.022 χ^2/NDF: 9747.8/52

In: 248.466+/-52.055 χ^2/NDF:5175.8/46

Out: 192.557+/-51.438 χ^2/NDF:6438.2/53

All: 220.178+/-36.588 χ^2/NDF: 11614.5/100

asym_bpm0r03WS_rms vs Slug, Sign Corrected



Right In: 278.310+/-0.056 χ^2/NDF: 1059992.9/23

Left Out: 291.882+/-0.048 χ^2/NDF:959919.3/24

Right Out: 290.406+/-0.056 χ^2/NDF: 1344400.7/28

Left In: 289.321+/-0.049 χ^2/NDF:808605.3/22

Left: 290.626+/-0.034 χ^2/NDF: 1769929.4/47

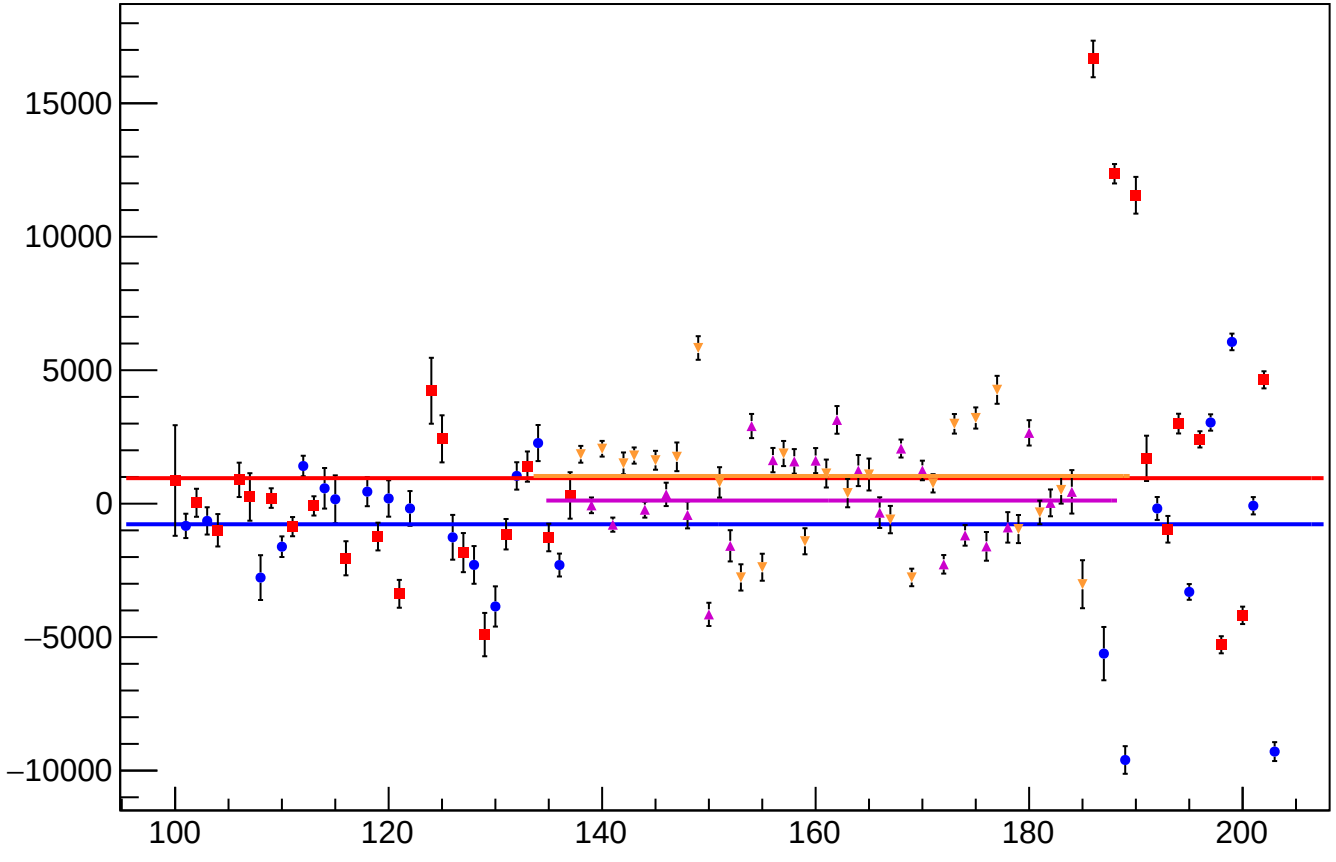
Right: 284.374+/-0.040 χ^2/NDF: 2427704.6/52

In: 284.580+/-0.037 χ^2/NDF:1890538.3/46

Out: 291.259+/-0.036 χ^2/NDF:2304721.8/53

All: 287.959+/-0.026 χ^2/NDF: 4211918.4/100

asym_bpm0r05WS_mean vs Slug, Sign Corrected



Right In: -771.458+/-94.869 χ^2/NDF: 1733.5/23

Left Out: 1037.330+/-85.200 χ^2/NDF:570.2/24

Right Out: 955.763+/-89.884 χ^2/NDF: 2846.8/28

Left In: 117.211+/-87.461 χ^2/NDF:370.4/22

Left: 589.317+/-61.029 χ^2/NDF: 997.4/47

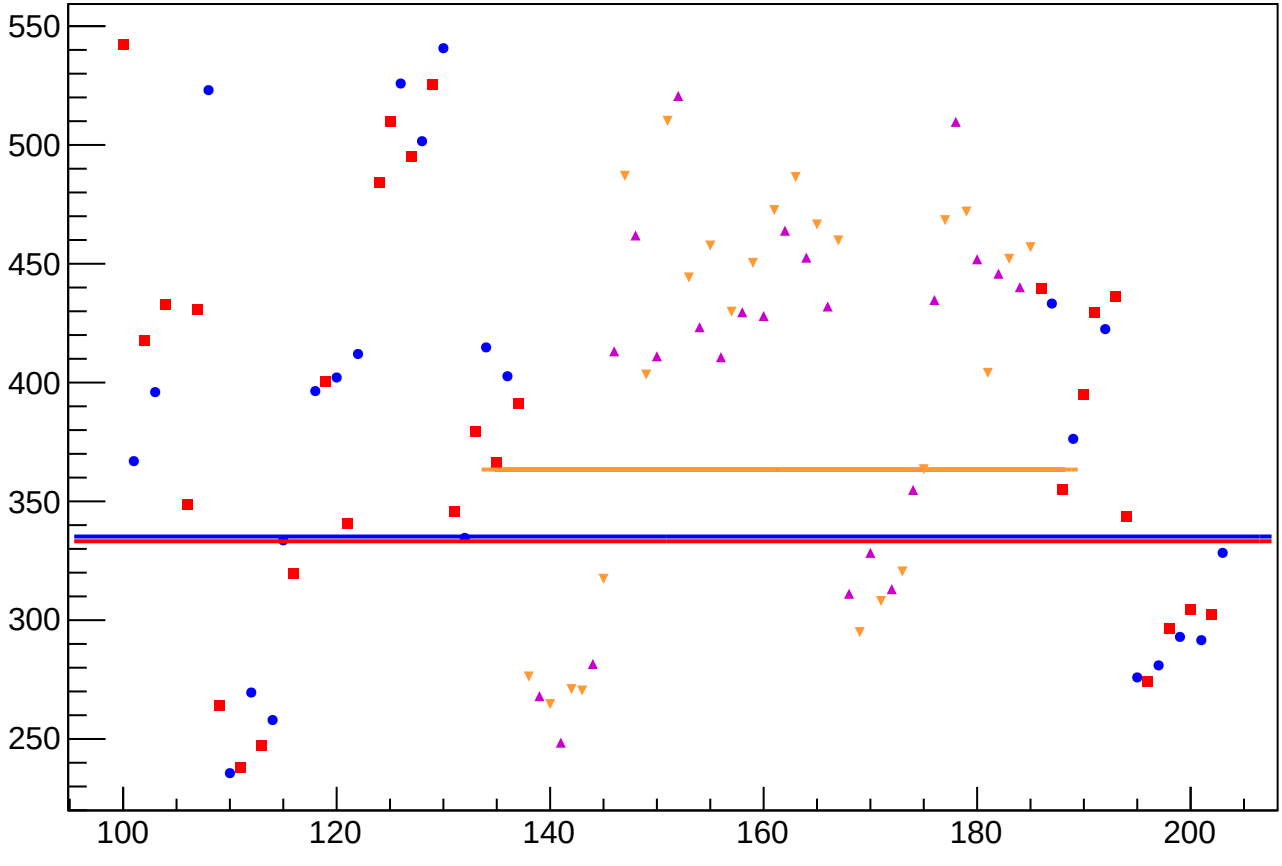
Right: 138.718+/-65.249 χ^2/NDF: 4755.0/52

In: -291.077+/-64.304 χ^2/NDF:2151.3/46

Out: 998.728+/-61.835 χ^2/NDF:3417.5/53

All: 379.058+/-44.571 χ^2/NDF: 5777.8/100

asym_bpm0r05WS_rms vs Slug, Sign Corrected



Right In: 335.207+/-0.067 χ^2/NDF: 1194259.4/23

Left Out: 363.387+/-0.060 χ^2/NDF:1940497.4/24

Right Out: 333.206+/-0.064 χ^2/NDF: 1181733.4/28

Left In: 363.386+/-0.062 χ^2/NDF:1711599.2/22

Left: 363.387+/-0.043 χ^2/NDF: 3652096.5/47

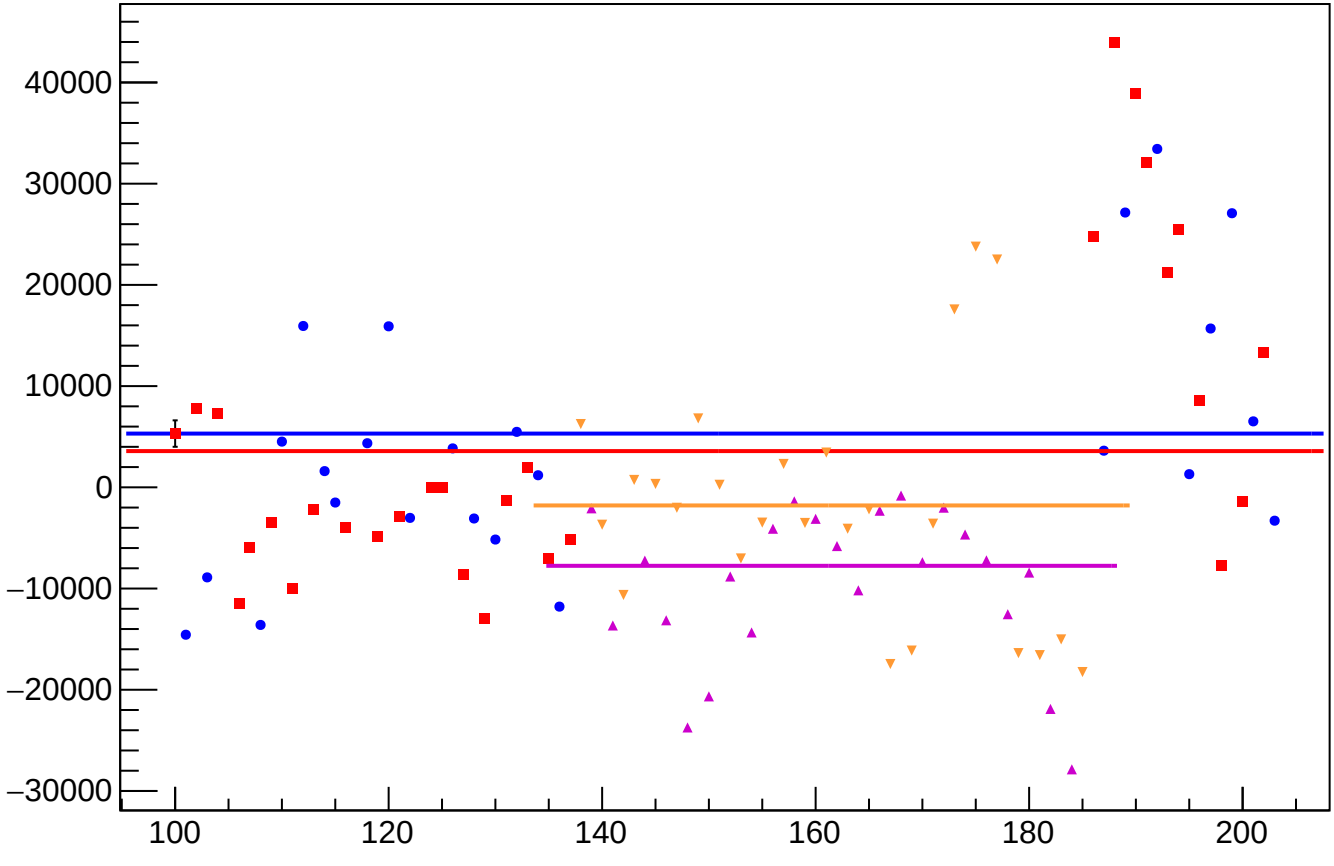
Right: 334.153+/-0.046 χ^2/NDF: 2376461.5/52

In: 350.440+/-0.045 χ^2/NDF:3001246.7/46

Out: 349.103+/-0.044 χ^2/NDF:3241003.8/53

All: 349.745+/-0.032 χ^2/NDF: 6242699.1/100

asym_bpm0i02WS_mean vs Slug, Sign Corrected



Right In: 5309.244+/-43.458 χ^2/NDF: 90036.9/23

Left Out: -1790.289+/-40.910 χ^2/NDF:65745.9/24

Right Out: 3579.838+/-41.172 χ^2/NDF: 135638.5/28

Left In: -7754.468+/-42.571 χ^2/NDF:23278.0/22

Left: -4653.749+/-29.498 χ^2/NDF: 99228.2/47

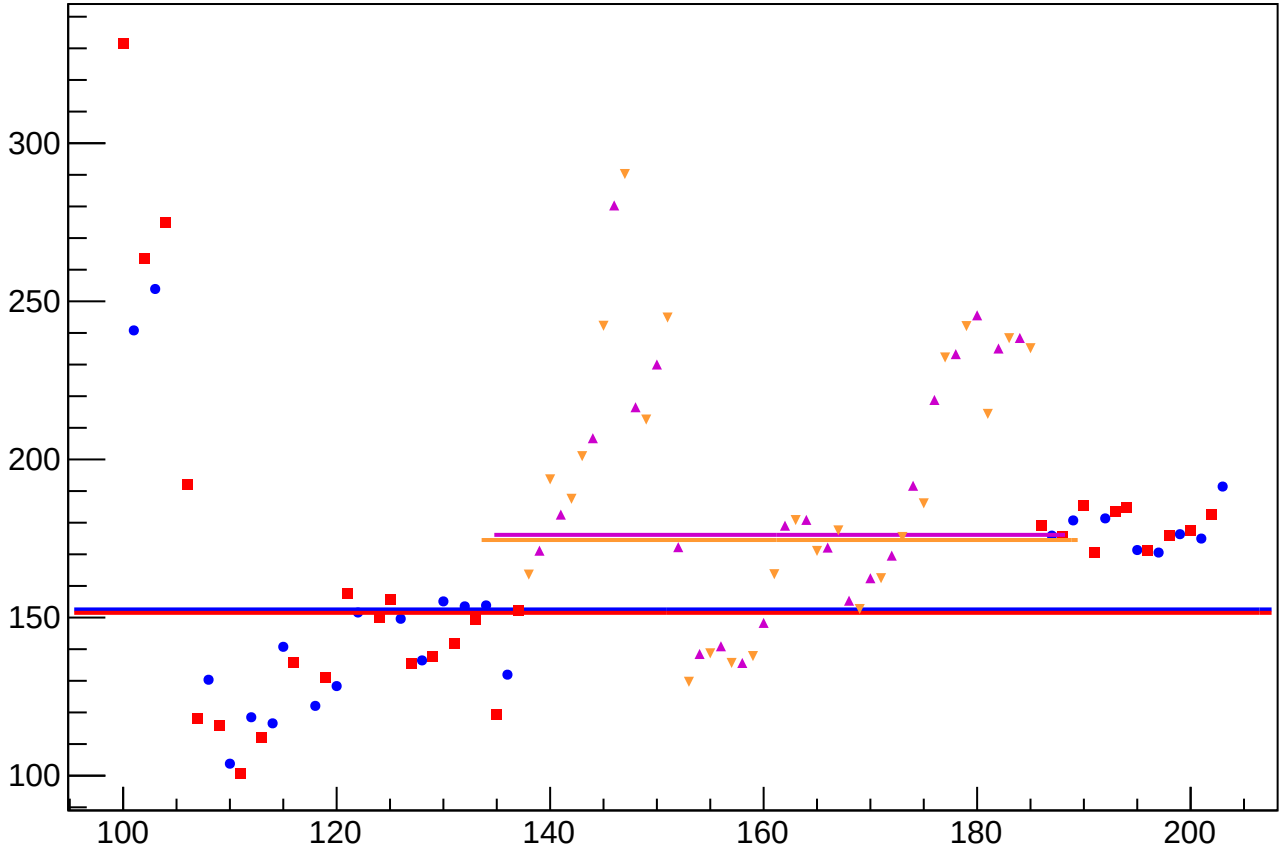
Right: 4397.850+/-29.889 χ^2/NDF: 226510.0/52

In: -1357.320+/-30.411 χ^2/NDF:159427.9/46

Out: 877.650+/-29.020 χ^2/NDF:209945.0/53

All: -187.542+/-20.995 χ^2/NDF: 372199.7/10

asym_bpm0i02WS_rms vs Slug, Sign Corrected



Right In: 152.572+/-0.031 χ^2/NDF: 1040087.1/23

Left Out: 174.520+/-0.029 χ^2/NDF:1659469.6/24

Right Out: 151.496+/-0.029 χ^2/NDF: 1418465.5/28

Left In: 176.155+/-0.030 χ^2/NDF:1367059.2/22

Left: 175.305+/-0.021 χ^2/NDF: 3028060.8/47

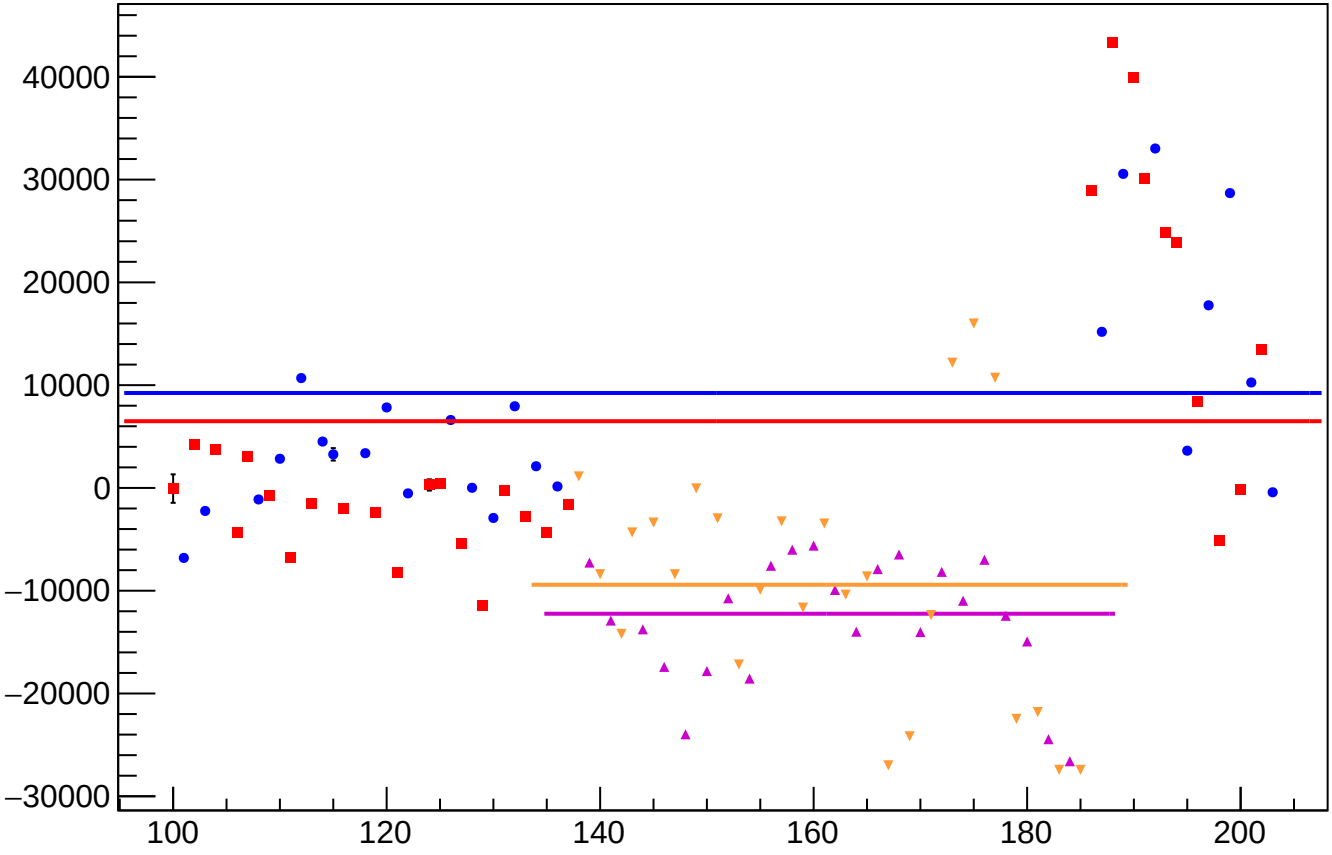
Right: 152.005+/-0.021 χ^2/NDF: 2459199.3/52

In: 164.607+/-0.022 χ^2/NDF:2707677.3/46

Out: 163.082+/-0.021 χ^2/NDF:3392671.6/53

All: 163.808+/-0.015 χ^2/NDF: 6102981.1/100

asym_bpm0i02aWS_mean vs Slug, Sign Corrected



Right In: 9238.247+/-49.805 χ^2/NDF: 50909.6/23

Left Out: -9420.181+/-45.698 χ^2/NDF:64719.0/24

Right Out: 6492.500+/-46.913 χ^2/NDF: 104922.7/28

Left In: -12238.678+/-44.195 χ^2/NDF:16015.8/22

Left: -10876.538+/-31.769 χ^2/NDF: 82700.4/47

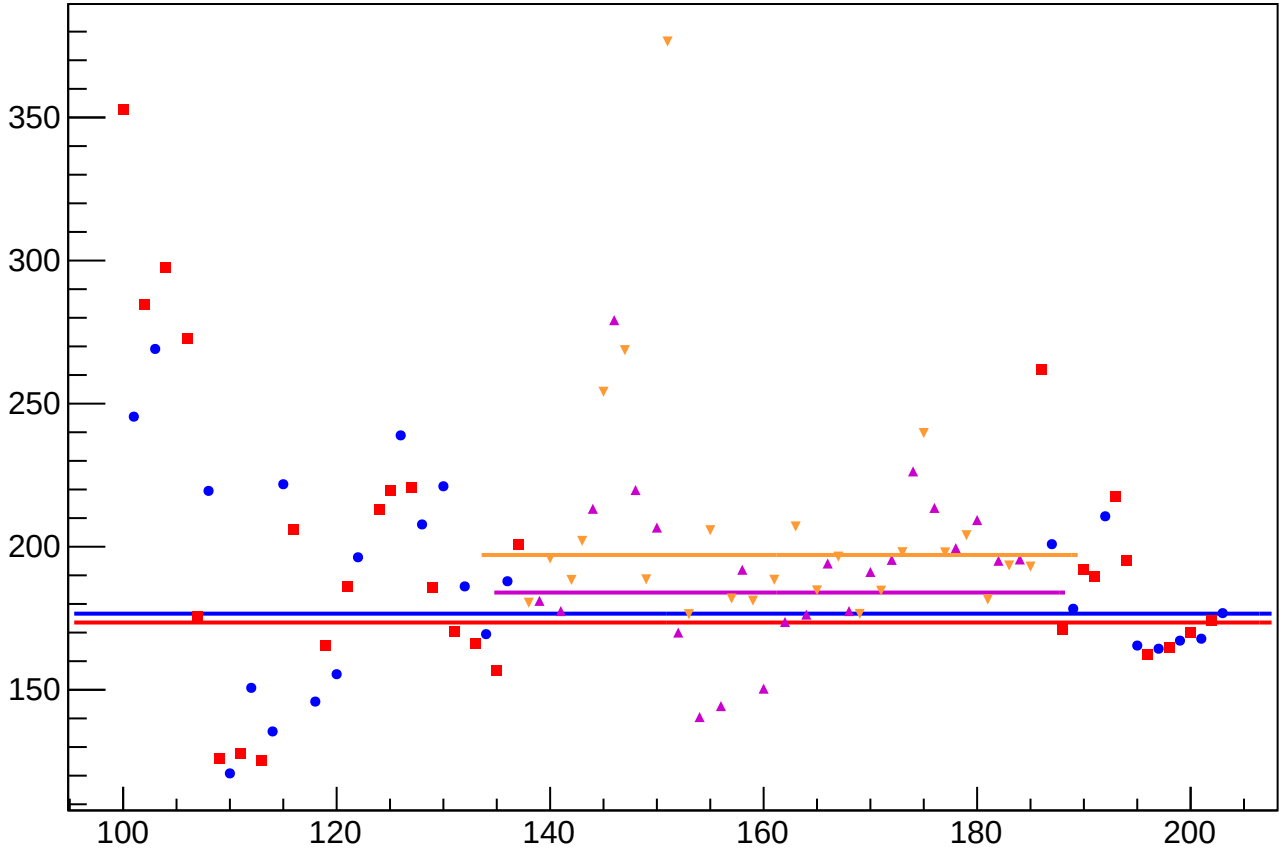
Right: 7783.350+/-34.149 χ^2/NDF: 157442.7/52

In: -2777.478+/-33.057 χ^2/NDF:170958.5/46

Out: -1672.659+/-32.735 χ^2/NDF:228677.3/53

All: -2219.656+/-23.260 χ^2/NDF: 400199.7/1

asym_bpm0i02aWS_rms vs Slug, Sign Corrected



Right In: 176.611+/-0.035 χ^2/NDF: 759490.5/23

Left Out: 197.122+/-0.032 χ^2/NDF:732529.8/24

Right Out: 173.516+/-0.033 χ^2/NDF: 1193304.1/28

Left In: 183.985+/-0.031 χ^2/NDF:829778.1/22

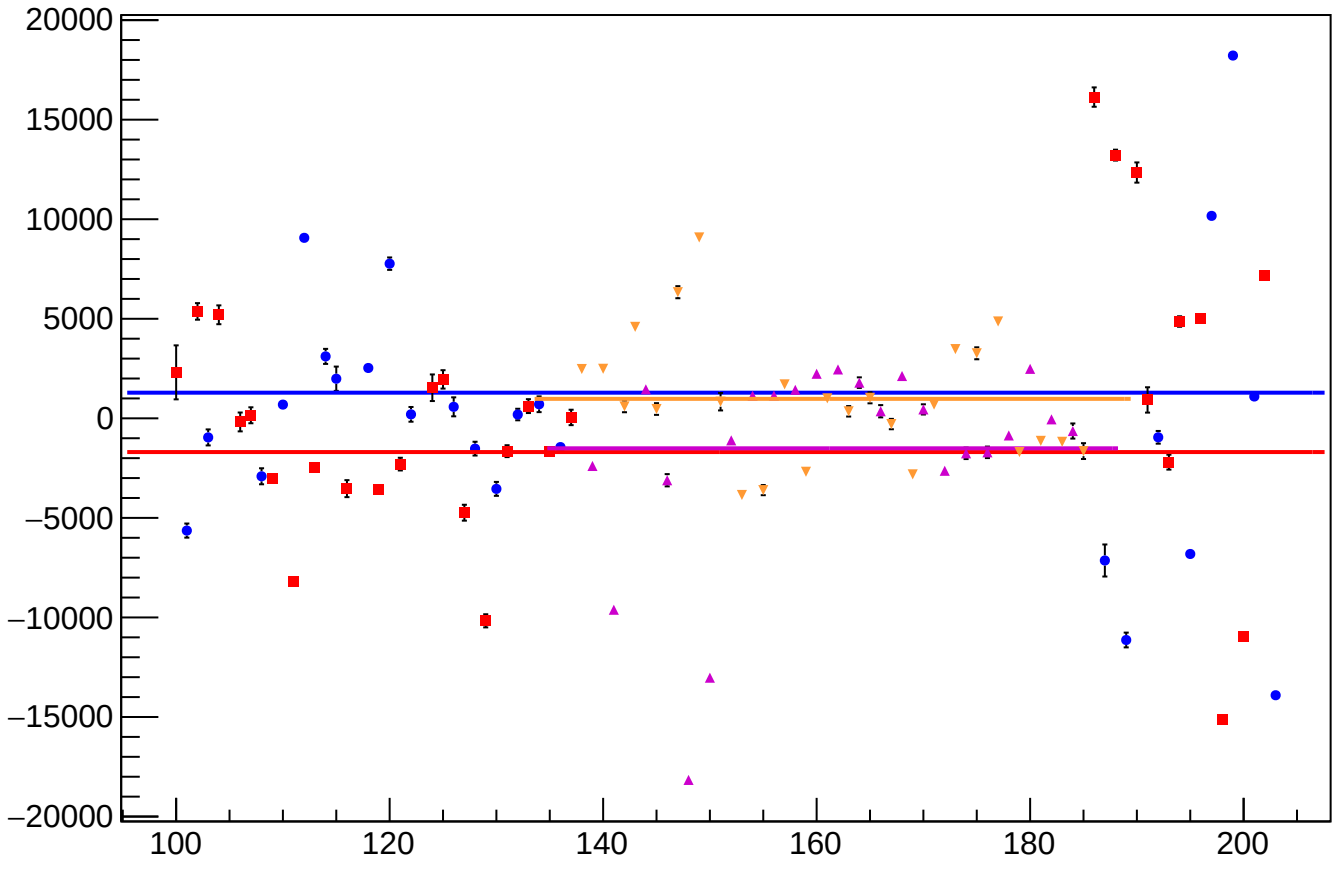
Left: 190.334+/-0.022 χ^2/NDF: 1647711.2/47

Right: 174.971+/-0.024 χ^2/NDF: 1956888.6/52

In: 180.737+/-0.023 χ^2/NDF:1613797.8/46

Out: 185.629+/-0.023 χ^2/NDF:2185686.9/53

All: 183.207+/-0.016 χ^2/NDF: 3821598.4/100



Right In: 1288.463+/-56.136 χ^2/NDF: 20335.8/23

Left Out: 978.429+/-49.607 χ^2/NDF:4322.9/24

Right Out: -1693.670+/-53.091 χ^2/NDF: 18208.0/28

Left In: -1505.093+/-48.051 χ^2/NDF:11480.6/22

Left: -302.894+/-34.514 χ^2/NDF: 17096.7/47

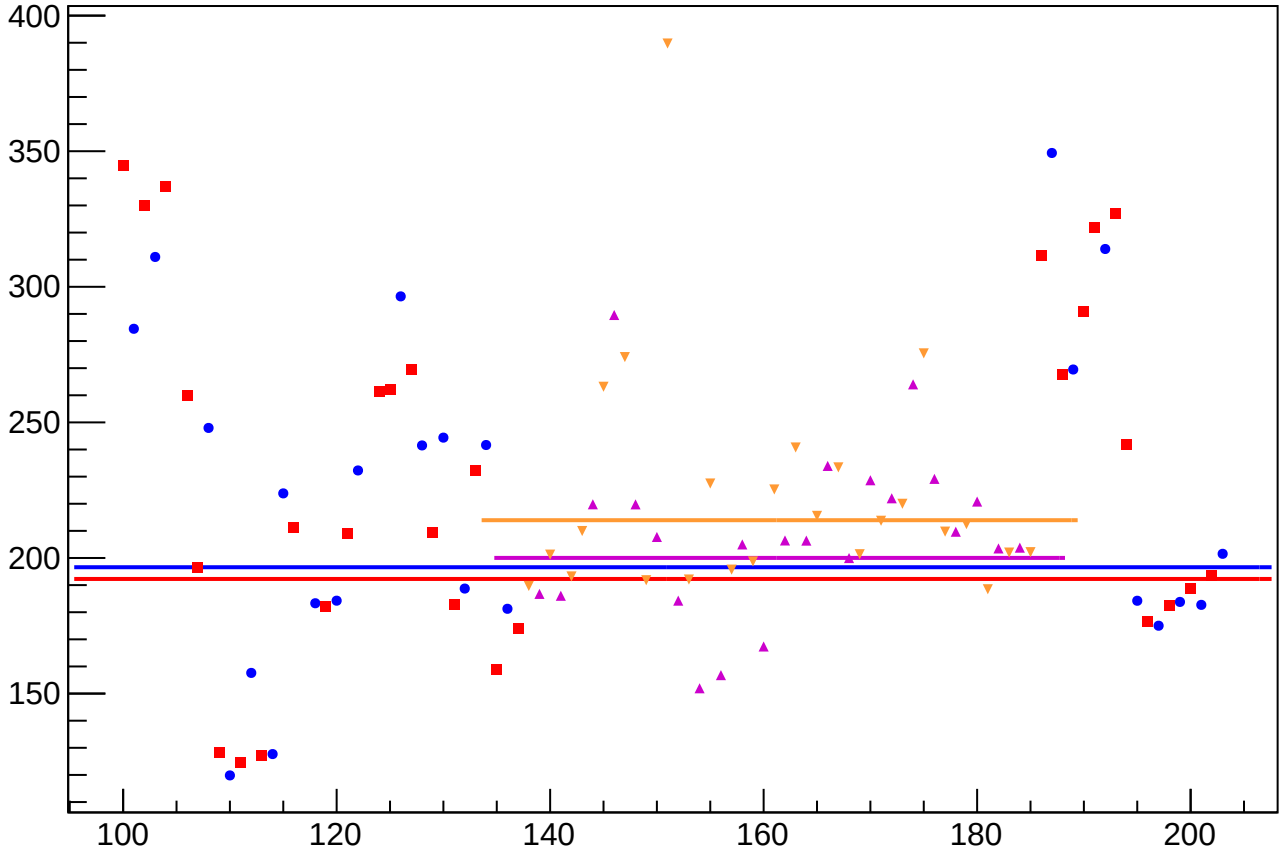
Right: -285.668+/-38.573 χ^2/NDF: 40033.4/52

In: -323.812+/-36.504 χ^2/NDF:33245.7/46

Out: -267.059+/-36.247 χ^2/NDF:23883.3/53

All: -295.235+/-25.721 χ^2/NDF: 57130.2/100

asym_bpm0i05WS_rms vs Slug, Sign Corrected



Right In: 196.592+/-0.040 χ^2/NDF: 1440137.9/23

Left Out: 213.931+/-0.035 χ^2/NDF:733638.6/24

Right Out: 192.267+/-0.038 χ^2/NDF: 2233721.8/28

Left In: 200.031+/-0.034 χ^2/NDF:785525.4/22

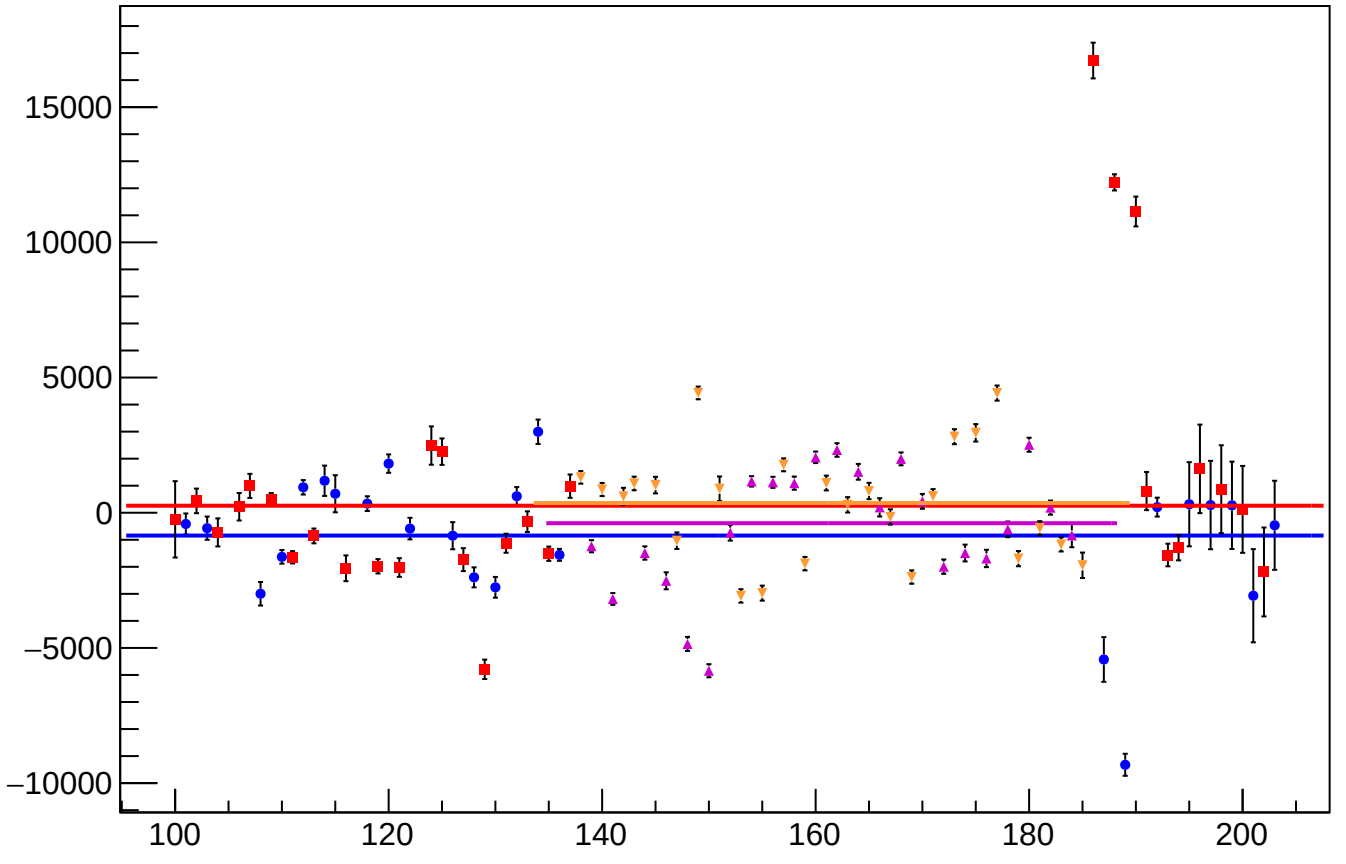
Left: 206.759+/-0.024 χ^2/NDF: 1600185.7/47

Right: 194.309+/-0.027 χ^2/NDF: 3680127.7/52

In: 198.577+/-0.026 χ^2/NDF:2229994.1/46

Out: 203.833+/-0.026 χ^2/NDF:3145161.6/53

All: 201.223+/-0.018 χ^2/NDF: 5396037.9/100



Right In: -843.965+/-81.486 χ^2/NDF: 799.5/23

Left Out: 358.680+/-54.992 χ^2/NDF:1418.9/24

Right Out: 259.235+/-73.873 χ^2/NDF: 3271.1/28

Left In: -386.941+/-53.528 χ^2/NDF:1804.2/22

Left: -24.183+/-38.357 χ^2/NDF: 3317.4/47

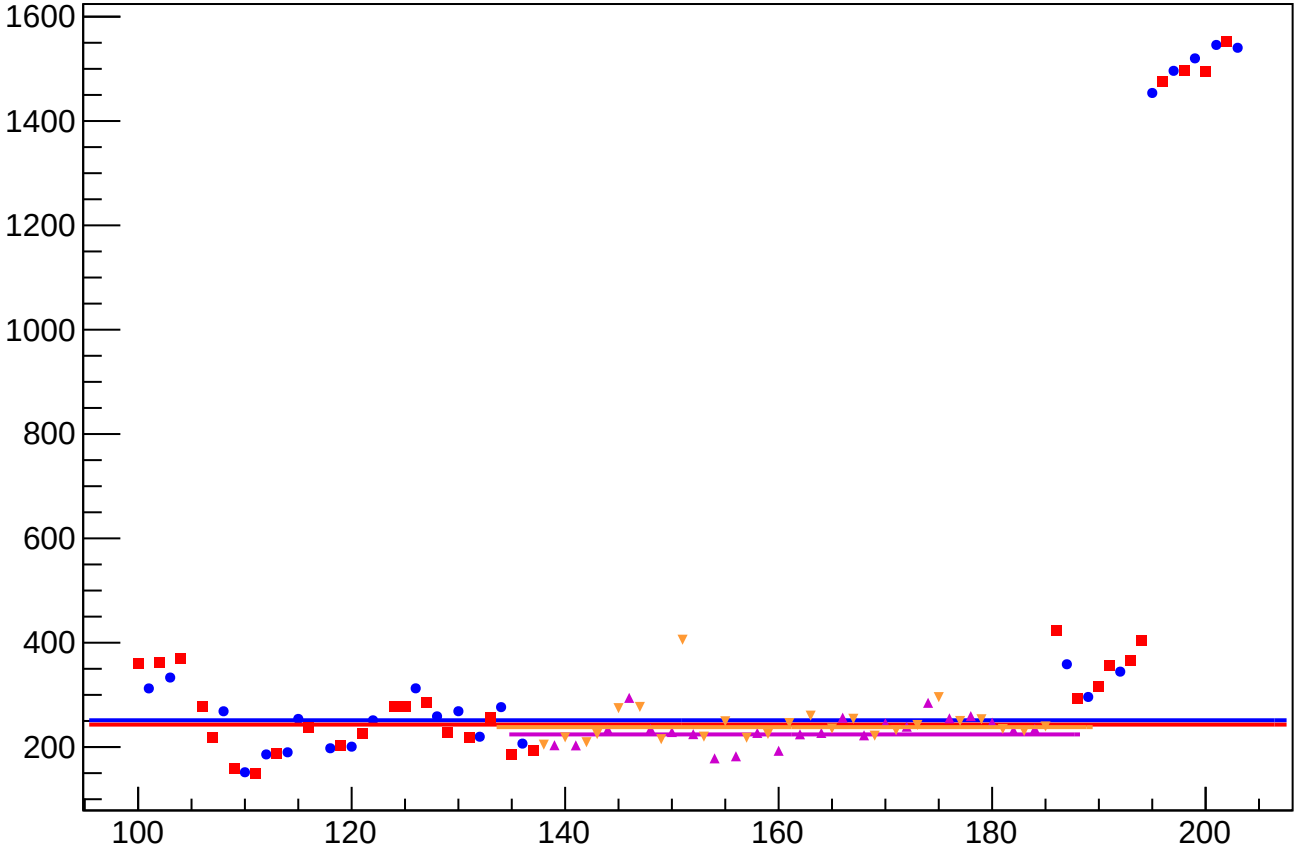
Right: -238.435+/-54.730 χ^2/NDF: 4171.2/52

In: -524.708+/-44.739 χ^2/NDF:2625.6/46

Out: 323.222+/-44.111 χ^2/NDF:4691.2/53

All: -94.755+/-31.411 χ^2/NDF: 7498.9/100

asym_bpm0i07WS_rms vs Slug, Sign Corrected



Right In: 251.328+/-0.058 χ^2/NDF: 6981863.3/23

Left Out: 238.199+/-0.039 χ^2/NDF:567935.3/24

Right Out: 243.033+/-0.052 χ^2/NDF: 6748615.2/28

Left In: 224.212+/-0.038 χ^2/NDF:563231.1/22

Left: 231.017+/-0.027 χ^2/NDF: 1197606.4/47

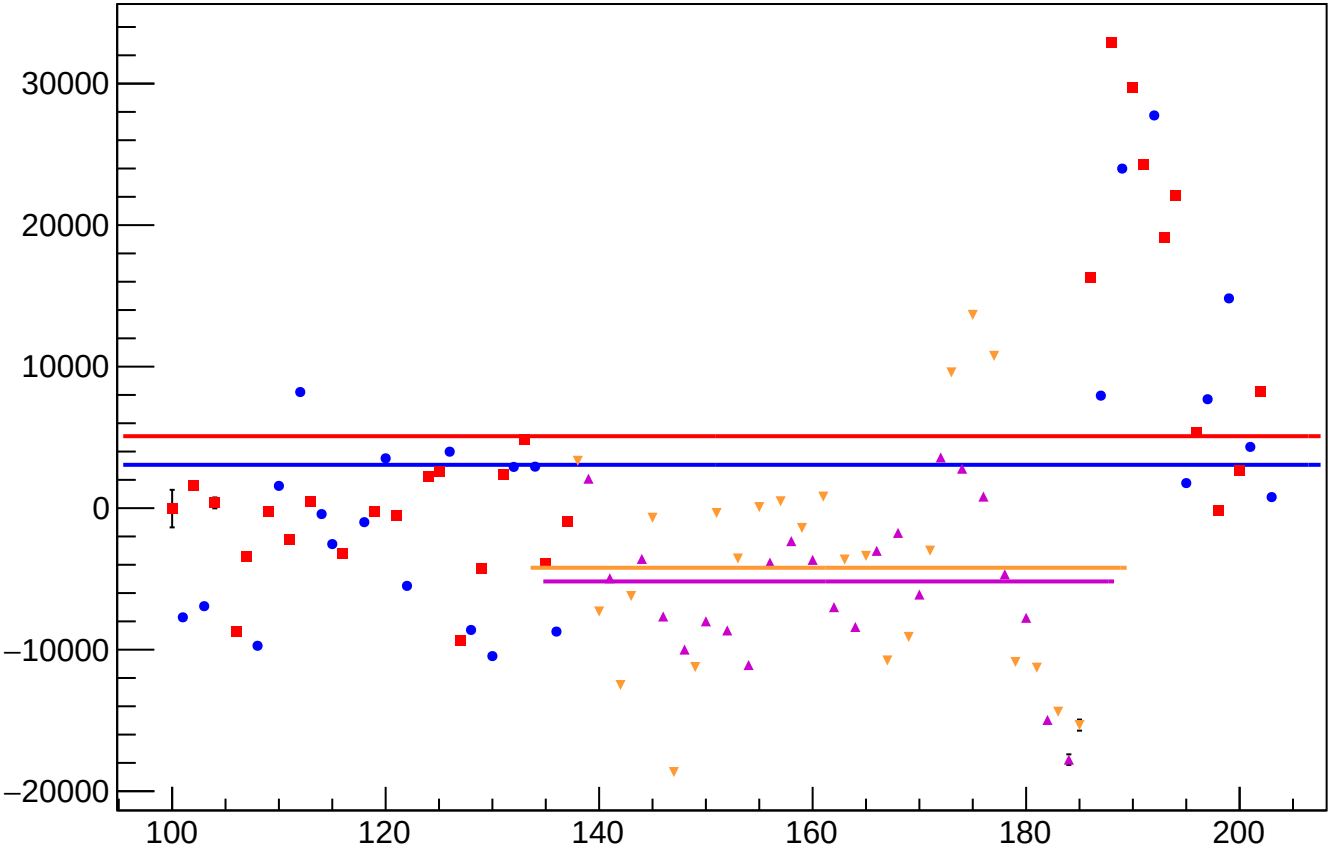
Right: 246.775+/-0.039 χ^2/NDF: 13741856.4/52

In: 232.386+/-0.032 χ^2/NDF:7699809.9/46

Out: 239.923+/-0.031 χ^2/NDF:7322059.6/53

All: 236.208+/-0.022 χ^2/NDF: 15050648.6/10

asym_bpm1i02WS_mean vs Slug, Sign Corrected



Right In: 3062.327+/-36.883 χ^2/NDF: 75849.4/23

Left Out: -4210.601+/-30.828 χ^2/NDF:56802.7/24

Right Out: 5085.297+/-34.709 χ^2/NDF: 102886.3/28

Left In: -5178.213+/-31.969 χ^2/NDF:18541.3/22

Left: -4676.831+/-22.191 χ^2/NDF: 75818.6/47

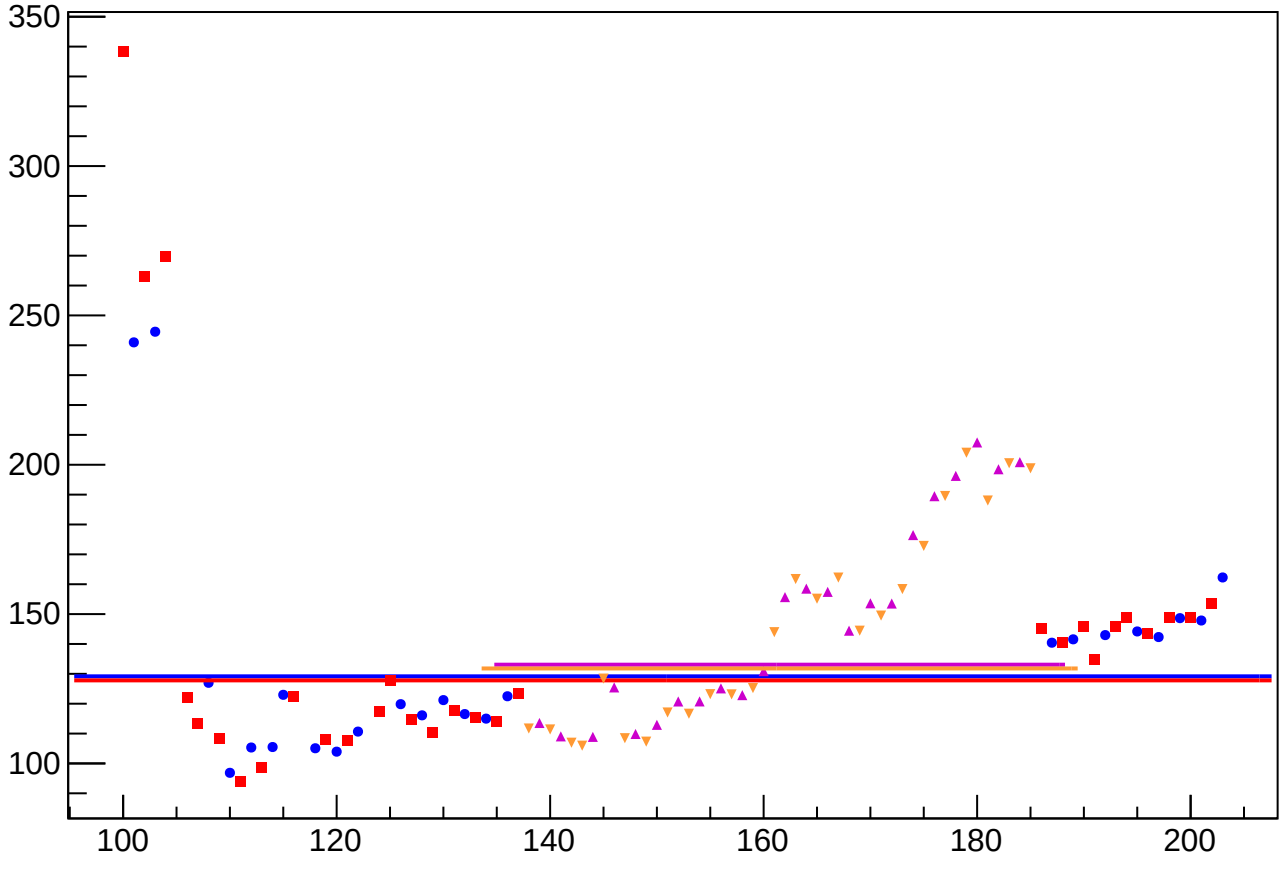
Right: 4135.199+/-25.277 χ^2/NDF: 180331.2/52

In: -1643.082+/-24.158 χ^2/NDF:122893.9/46

Out: -111.147+/-23.049 χ^2/NDF:199786.7/53

All: -841.166+/-16.676 χ^2/NDF: 324785.6/10

asym_bpm1i02WS_rms vs Slug, Sign Corrected



Right In: 129.161+/-0.026 χ^2/NDF: 1027670.8/23

Left Out: 131.798+/-0.022 χ^2/NDF:1544340.3/24

Right Out: 127.812+/-0.025 χ^2/NDF: 1248333.7/28

Left In: 133.061+/-0.023 χ^2/NDF:1418252.2/22

Left: 132.406+/-0.016 χ^2/NDF: 2964211.9/47

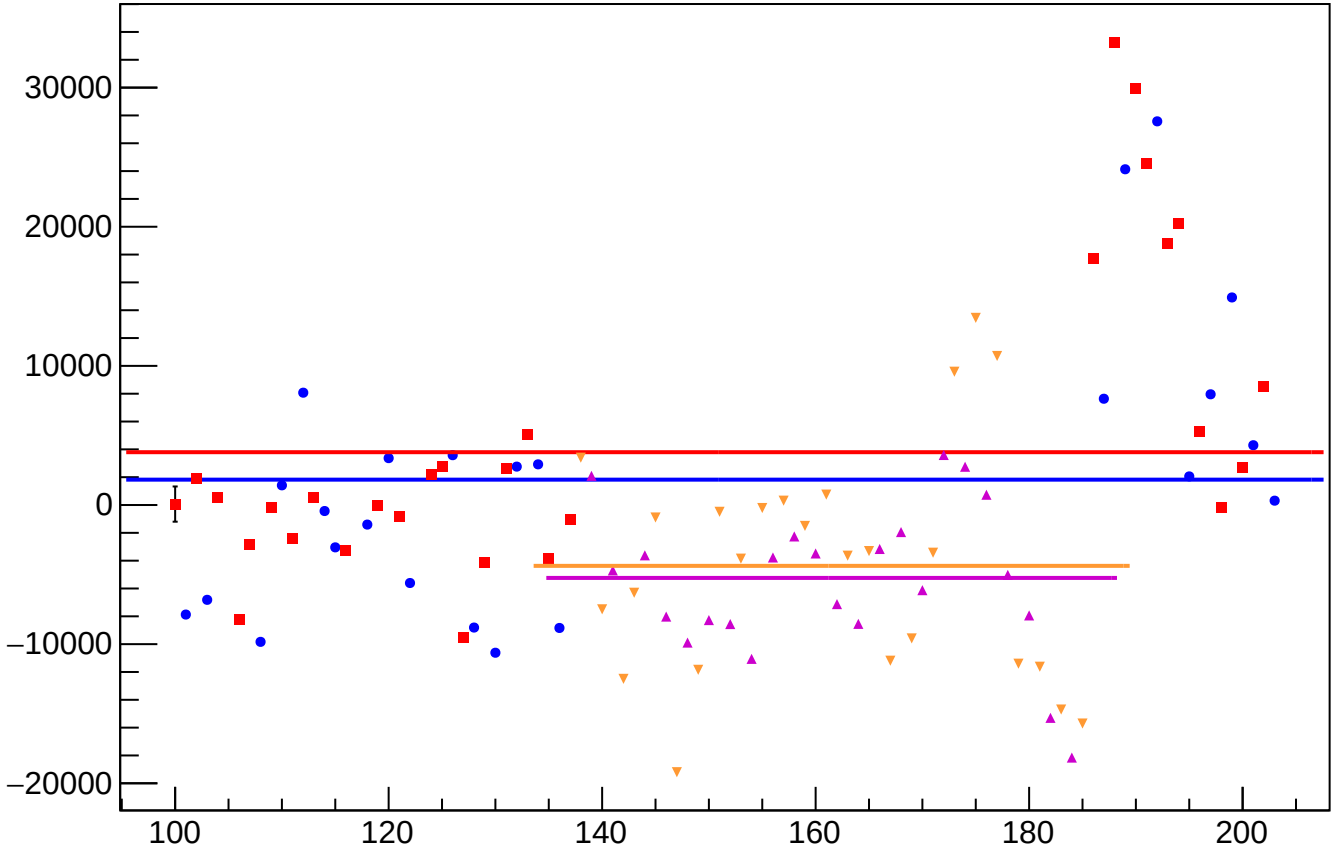
Right: 128.445+/-0.018 χ^2/NDF: 2277423.3/52

In: 131.388+/-0.017 χ^2/NDF:2458695.2/46

Out: 130.040+/-0.016 χ^2/NDF:2807417.2/53

All: 130.682+/-0.012 χ^2/NDF: 5269372.9/100

asym_bpm1i04WS_mean vs Slug, Sign Corrected



Right In: 1823.067+/-33.004 χ^2/NDF: 82842.5/23

Left Out: -4372.743+/-27.955 χ^2/NDF:67218.5/24

Right Out: 3796.350+/-31.252 χ^2/NDF: 110615.6/28

Left In: -5239.784+/-29.252 χ^2/NDF:22273.2/22

Left: -4786.626+/-20.210 χ^2/NDF: 89950.9/47

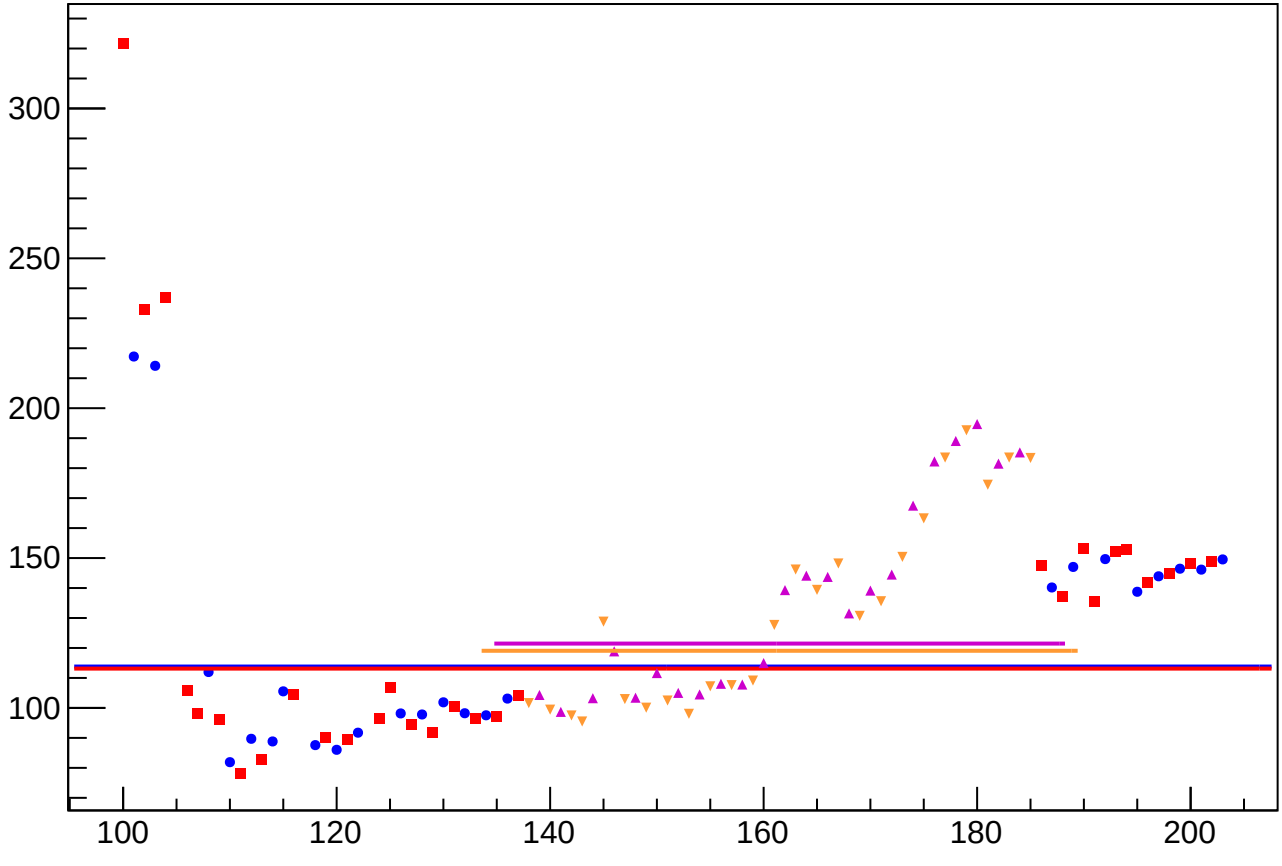
Right: 2863.497+/-22.693 χ^2/NDF: 195342.8/52

In: -2132.565+/-21.891 χ^2/NDF:130763.6/46

Out: -741.603+/-20.836 χ^2/NDF:215790.9/53

All: -1402.744+/-15.092 χ^2/NDF: 348672.9/1

asym_bpm1i04WS_rms vs Slug, Sign Corrected



Right In: 113.806+/-0.023 χ^2/NDF: 1634998.0/23

Left Out: 119.064+/-0.020 χ^2/NDF:1755428.3/24

Right Out: 113.120+/-0.022 χ^2/NDF: 2005450.5/28

Left In: 121.468+/-0.021 χ^2/NDF:1529379.8/22

Left: 120.212+/-0.014 χ^2/NDF: 3291866.1/47

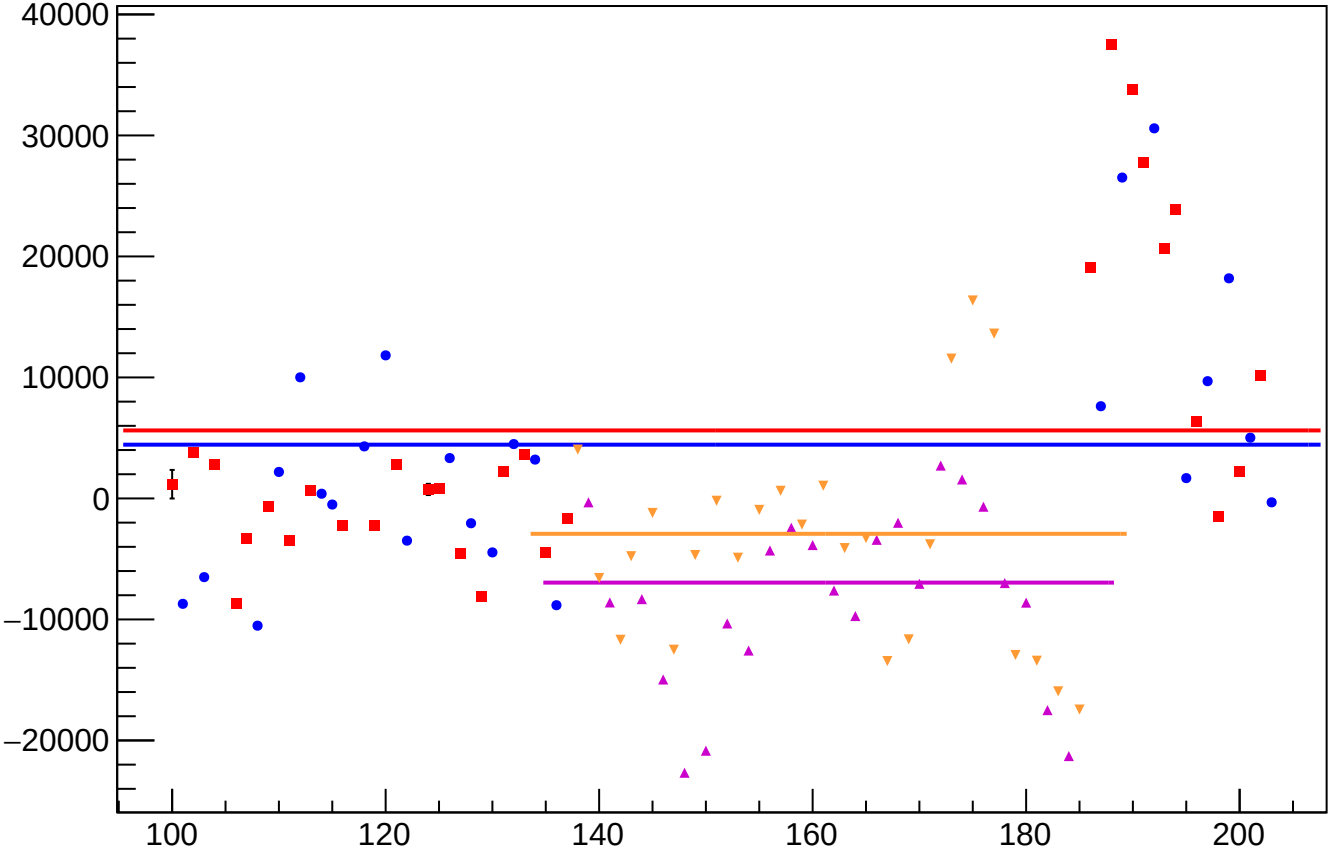
Right: 113.445+/-0.016 χ^2/NDF: 3640903.7/52

In: 118.097+/-0.015 χ^2/NDF:3224742.2/46

Out: 116.422+/-0.015 χ^2/NDF:3801068.1/53

All: 117.218+/-0.011 χ^2/NDF: 7031953.7/100

asym_bpm1i06WS_mean vs Slug, Sign Corrected



Right In: 4442.442+/-43.389 χ^2/NDF: 60916.8/23

Left Out: -2923.060+/-38.185 χ^2/NDF:38052.4/24

Right Out: 5620.415+/-41.152 χ^2/NDF: 92440.4/28

Left In: -6956.884+/-40.245 χ^2/NDF:22339.0/22

Left: -4834.088+/-27.700 χ^2/NDF: 65678.3/47

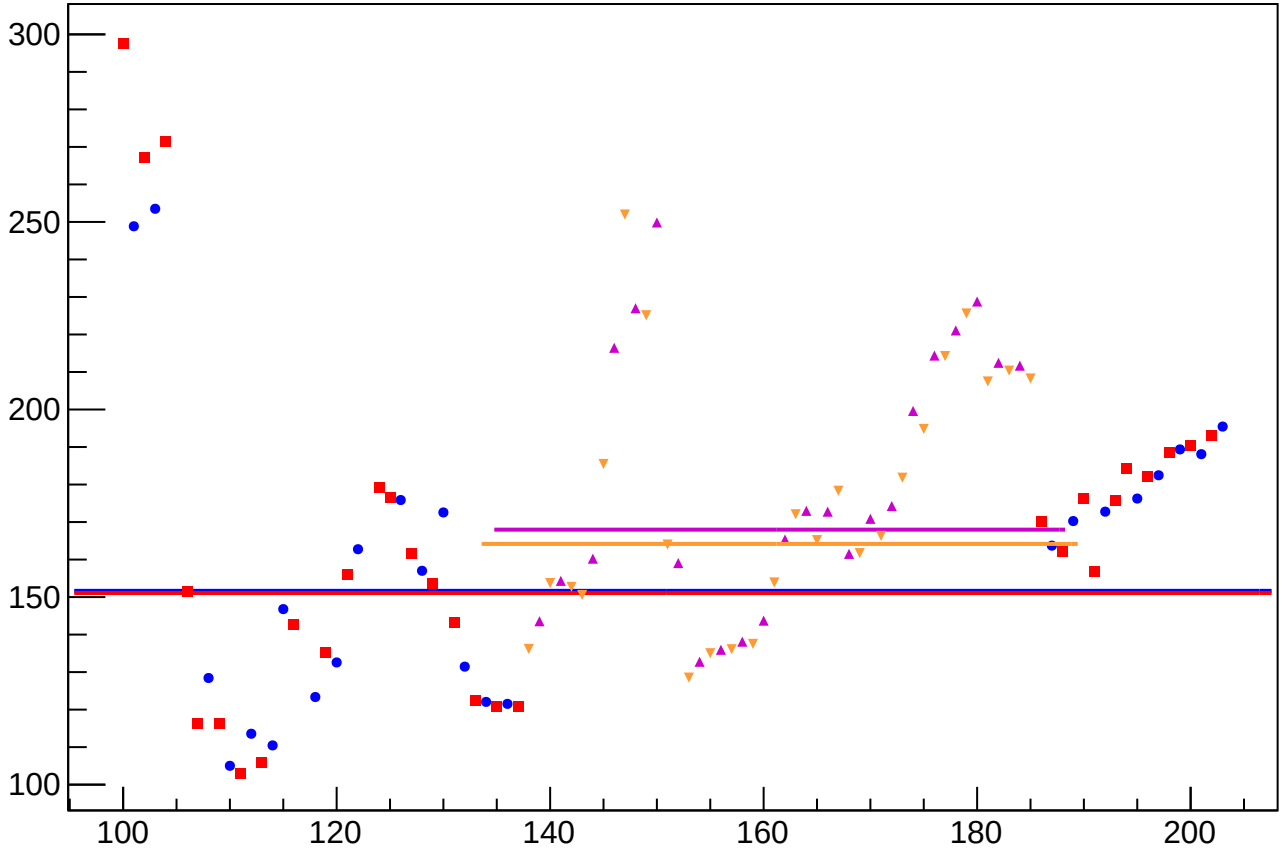
Right: 5062.574+/-29.858 χ^2/NDF: 153745.3/52

In: -1685.082+/-29.506 χ^2/NDF:120359.2/46

Out: 1029.637+/-27.991 χ^2/NDF:153653.2/53

All: -256.224+/-20.307 χ^2/NDF: 278467.8/10

asym_bpm1i06WS_rms vs Slug, Sign Corrected



Right In: 151.661+/-0.031 χ^2/NDF: 1304624.7/23

Left Out: 164.172+/-0.027 χ^2/NDF:1224405.6/24

Right Out: 151.092+/-0.029 χ^2/NDF: 1516924.2/28

Left In: 167.975+/-0.028 χ^2/NDF:1222745.4/22

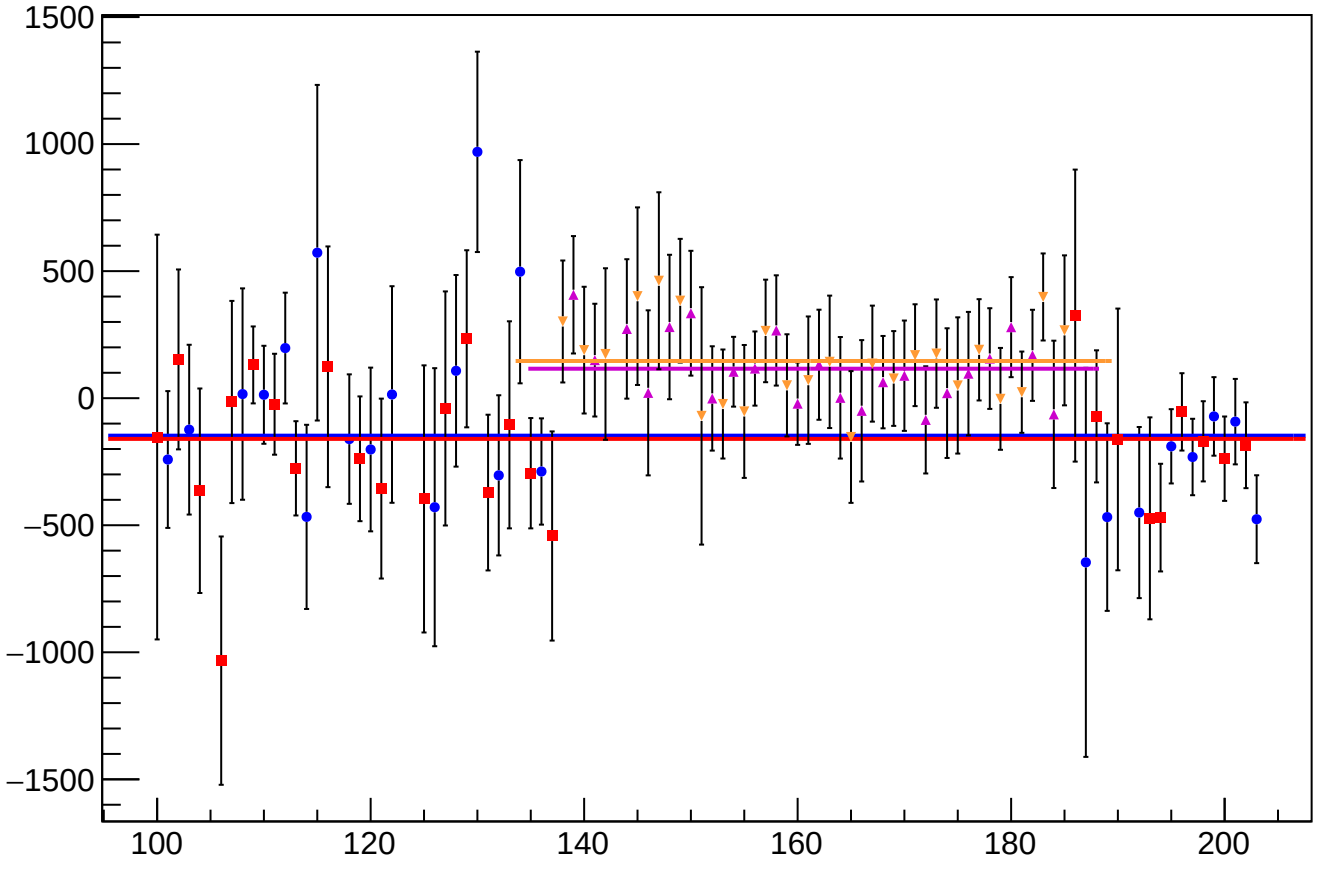
Left: 165.974+/-0.020 χ^2/NDF: 2456548.5/47

Right: 151.361+/-0.021 χ^2/NDF: 2821729.7/52

In: 160.430+/-0.021 χ^2/NDF:2679362.9/46

Out: 158.121+/-0.020 χ^2/NDF:2849904.2/53

All: 159.215+/-0.014 χ^2/NDF: 5535716.8/100



Right In: -147.523+/-50.545 χ^2/NDF: 23.6/23

Left Out: 146.352+/-46.929 χ^2/NDF:10.0/23

Right Out: -160.184+/-48.879 χ^2/NDF: 17.3/26

Left In: 115.974+/-43.605 χ^2/NDF:7.6/22

Left: 130.049+/-31.944 χ^2/NDF: 17.8/46

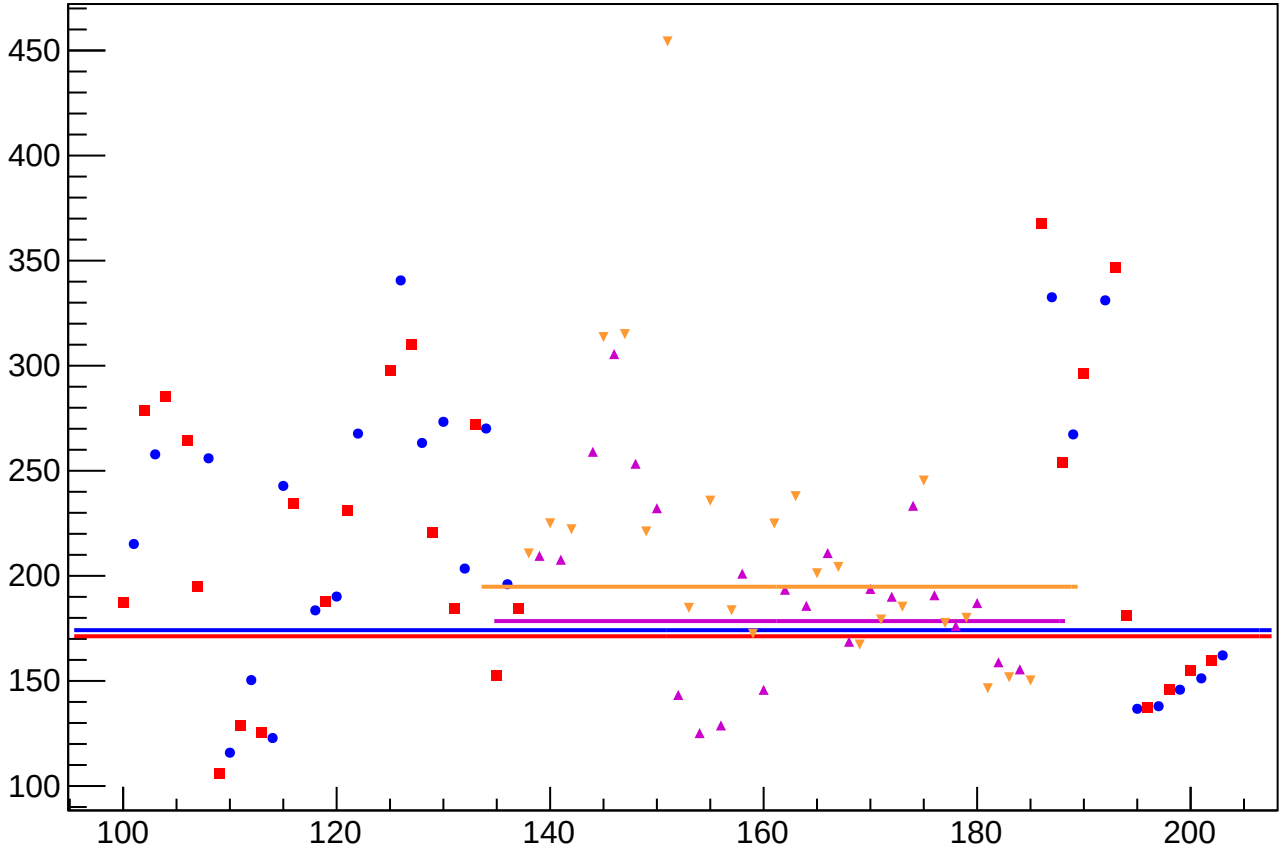
Right: -154.065+/-35.137 χ^2/NDF: 40.9/50

In: 3.544+/-33.016 χ^2/NDF:46.8/46

Out: -0.678+/-33.852 χ^2/NDF:47.7/50

All: 1.486+/-23.636 χ^2/NDF: 94.5/97

asym_bcm_2an_us_an_ds_avg_rms vs Slug, Sign Corrected



Right In: 174.160+/-0.036 χ^2/NDF: 2187496.3/23

Left Out: 194.828+/-0.033 χ^2/NDF:1752475.1/23

Right Out: 171.257+/-0.035 χ^2/NDF: 2721512.1/26

Left In: 178.475+/-0.031 χ^2/NDF:1676266.4/22

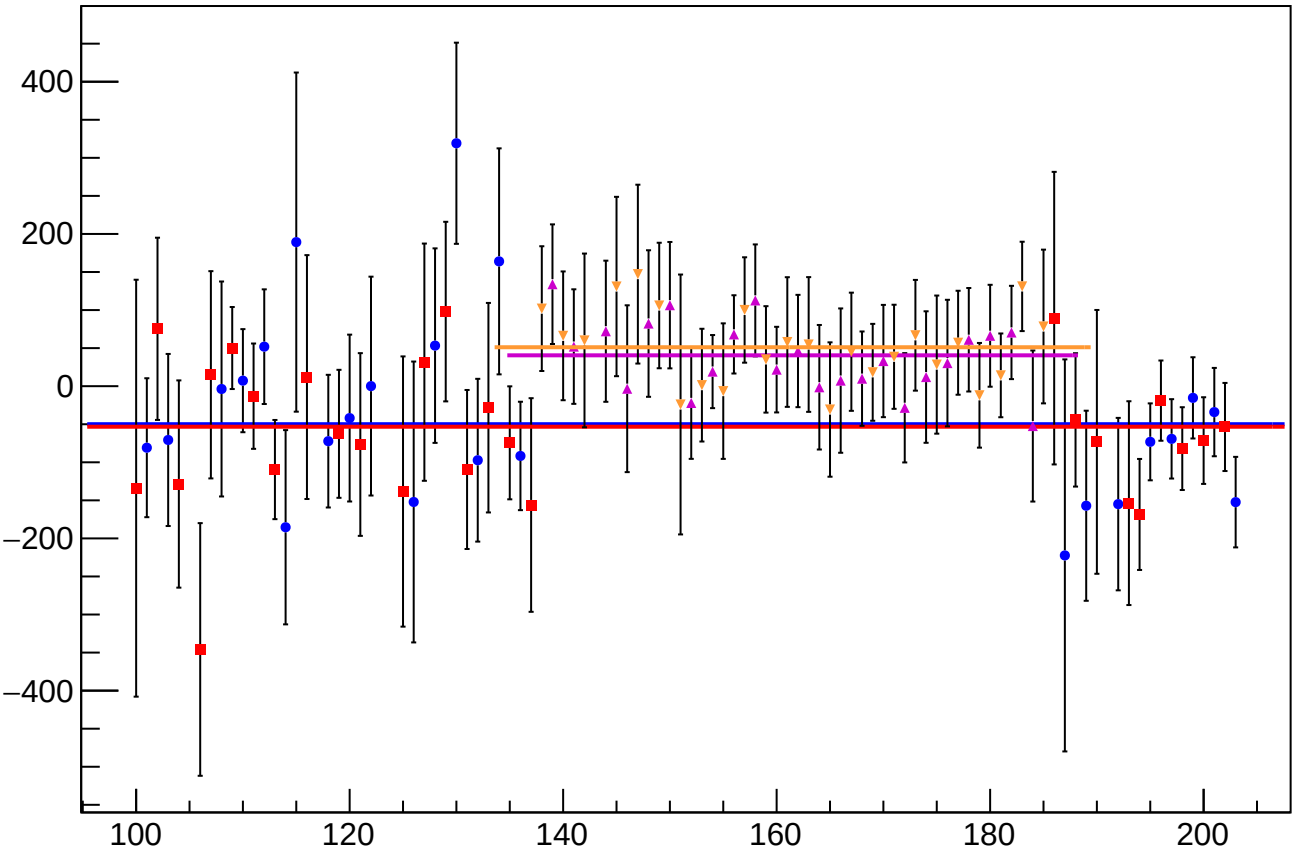
Left: 186.052+/-0.023 χ^2/NDF: 3559074.3/46

Right: 172.660+/-0.025 χ^2/NDF: 4912416.4/50

In: 176.634+/-0.023 χ^2/NDF:3872121.4/46

Out: 183.523+/-0.024 χ^2/NDF:4715996.4/50

All: 179.992+/-0.017 χ^2/NDF: 8630560.3/97



Right In: -49.952+/-17.374 χ^2/NDF: 22.5/23

Left Out: 51.161+/-16.037 χ^2/NDF:8.1/23

Right Out: -53.263+/-16.837 χ^2/NDF: 17.4/26

Left In: 40.540+/-14.978 χ^2/NDF:7.9/22

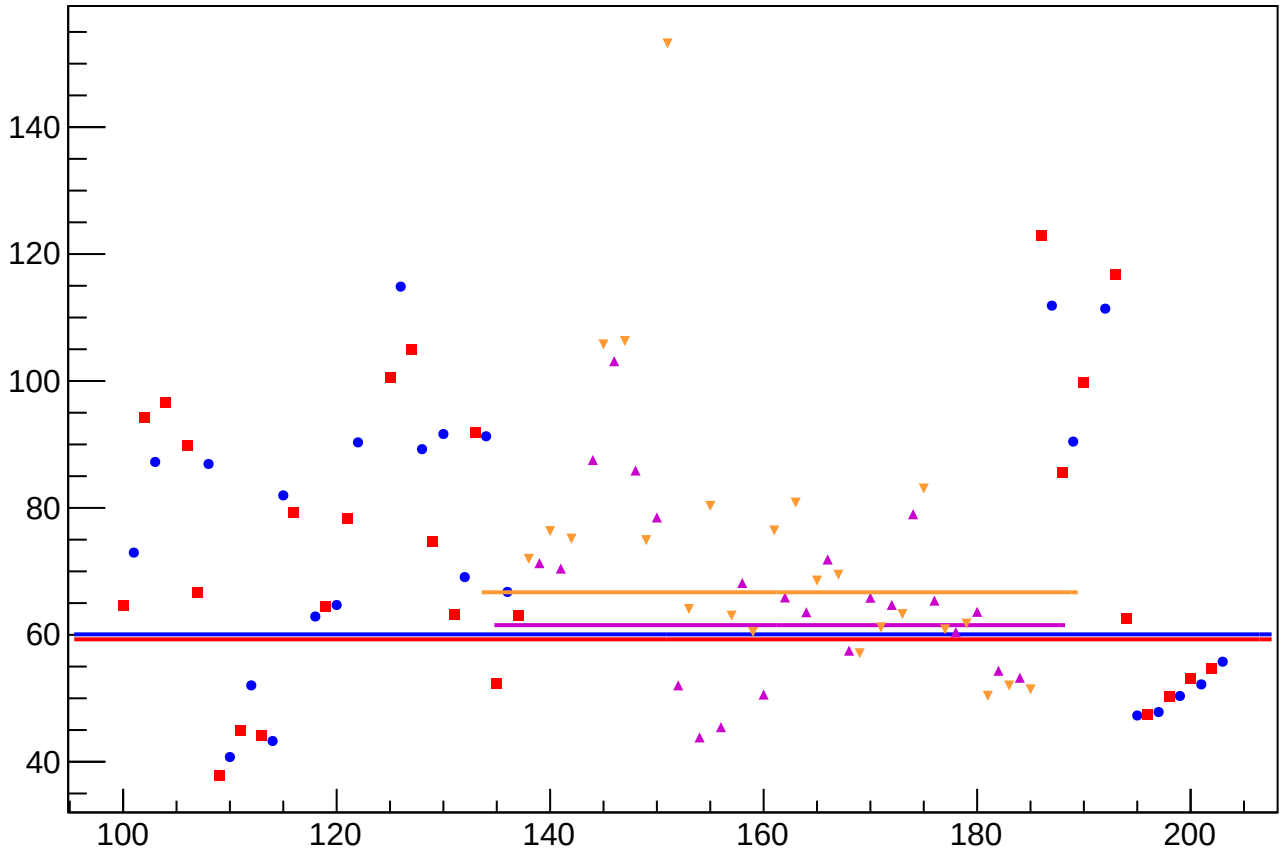
Left: 45.488+/-10.946 χ^2/NDF: 16.2/46

Right: -51.660+/-12.091 χ^2/NDF: 40.0/50

In: 1.960+/-11.344 χ^2/NDF:45.9/46

Out: 1.490+/-11.612 χ^2/NDF:45.7/50

All: 1.730+/-8.115 χ^2/NDF: 91.6/97



Right In: 60.074+/-0.012 χ^2/NDF: 2038178.0/23

Left Out: 66.703+/-0.011 χ^2/NDF:1676329.9/23

Right Out: 59.291+/-0.012 χ^2/NDF: 2516750.3/26

Left In: 61.529+/-0.011 χ^2/NDF:1489848.4/22

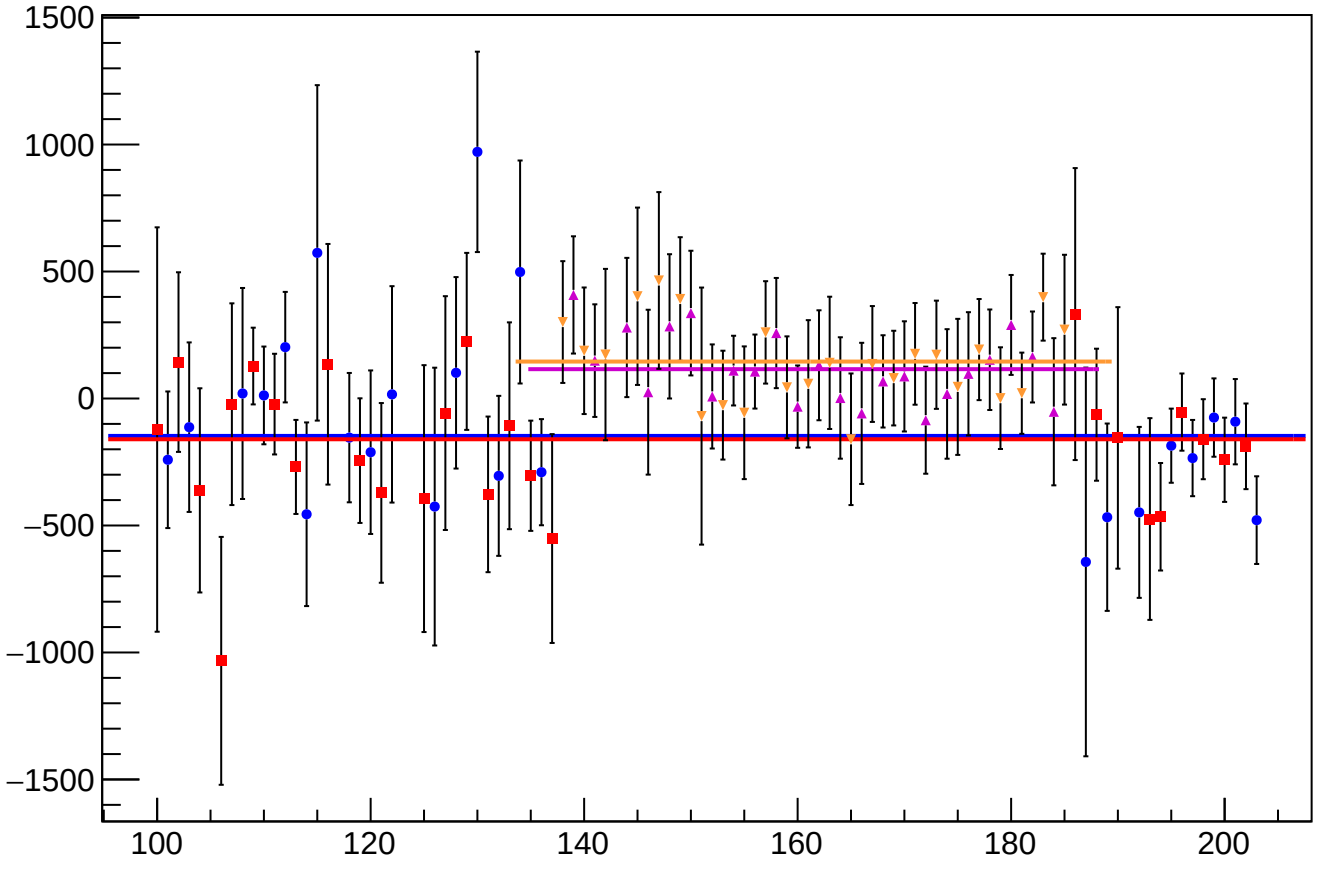
Left: 63.939+/-0.008 χ^2/NDF: 3277377.5/46

Right: 59.670+/-0.009 χ^2/NDF: 4557020.4/50

In: 60.908+/-0.008 χ^2/NDF:3536074.7/46

Out: 63.177+/-0.008 χ^2/NDF:4396287.8/50

All: 62.016+/-0.006 χ^2/NDF: 7971432.9/97



Right In: -147.312+/-50.478 χ^2/NDF: 23.7/23

Left Out: 145.476+/-46.889 χ^2/NDF:10.2/23

Right Out: -160.514+/-48.818 χ^2/NDF: 17.3/26

Left In: 115.487+/-43.568 χ^2/NDF:7.8/22

Left: 129.382+/-31.917 χ^2/NDF: 18.2/46

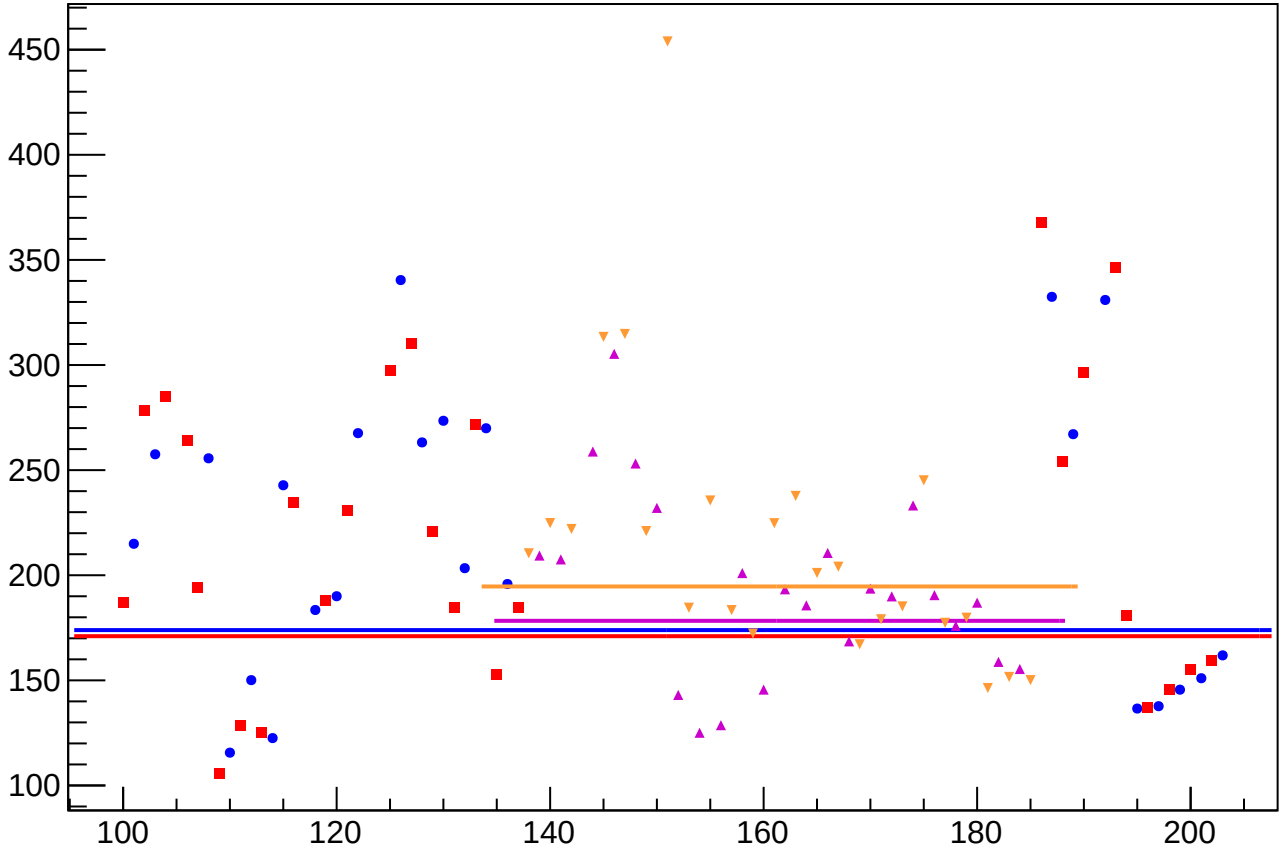
Right: -154.134+/-35.092 χ^2/NDF: 41.0/50

In: 3.293+/-32.982 χ^2/NDF:47.0/46

Out: -1.353+/-33.817 χ^2/NDF:48.0/50

All: 1.028+/-23.611 χ^2/NDF: 95.0/97

asym_bcm_an_us_an_ds_avg_rms vs Slug, Sign Corrected



Right In: 173.906+/-0.036 χ^2/NDF: 2194188.9/23

Left Out: 194.659+/-0.033 χ^2/NDF:1753119.9/23

Right Out: 171.015+/-0.035 χ^2/NDF: 2729778.8/26

Left In: 178.318+/-0.031 χ^2/NDF:1678336.4/22

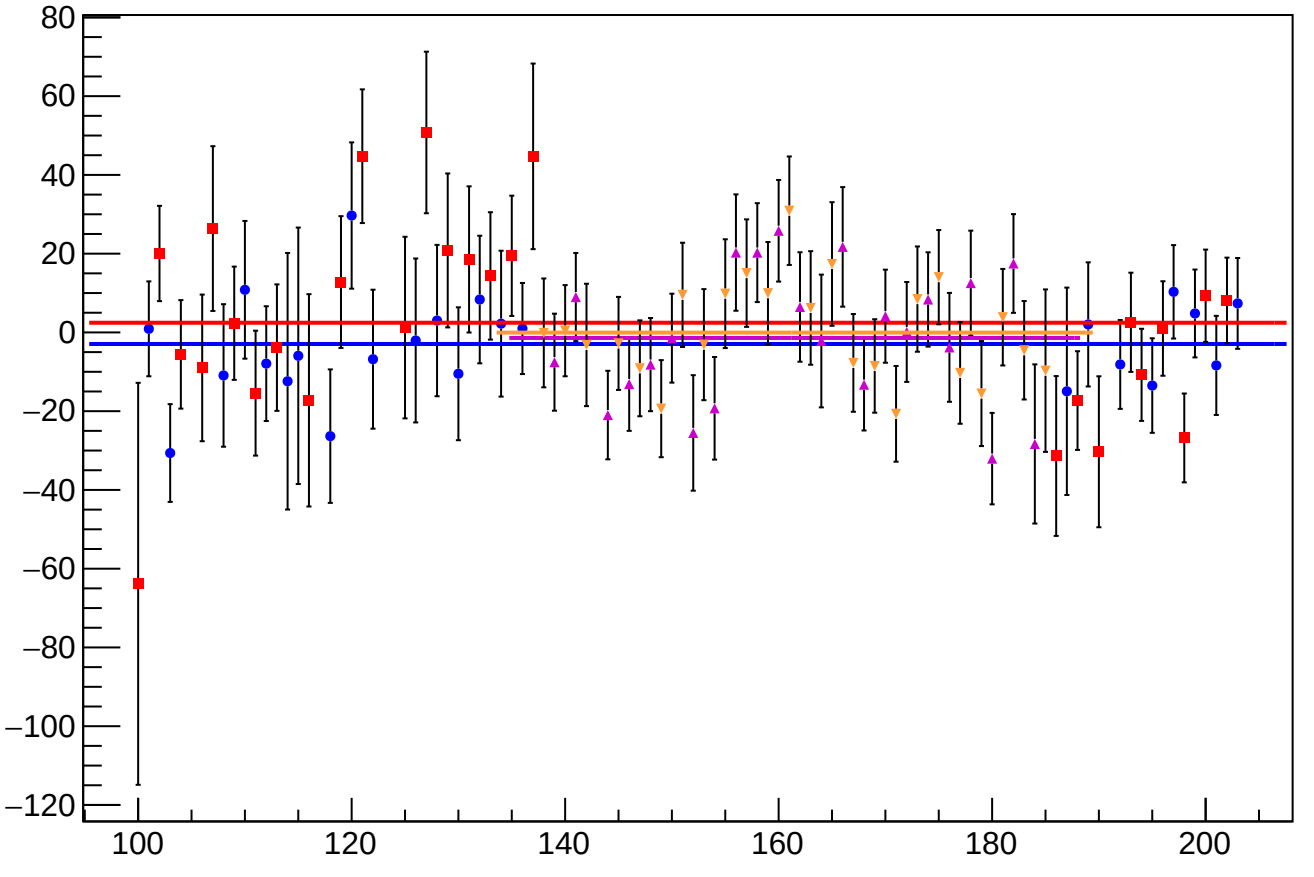
Left: 185.889+/-0.023 χ^2/NDF: 3561822.0/46

Right: 172.412+/-0.025 χ^2/NDF: 4927358.3/50

In: 176.434+/-0.023 χ^2/NDF:3881281.6/46

Out: 183.313+/-0.024 χ^2/NDF:4726936.6/50

All: 179.788+/-0.017 χ^2/NDF: 8650632.0/97



Right In: -2.937+/-3.045 χ^2/NDF: 16.1/23

Left Out: -0.047+/-2.685 χ^2/NDF:20.5/23

Right Out: 2.462+/-2.960 χ^2/NDF: 43.4/26

Left In: -1.407+/-2.674 χ^2/NDF:36.3/22

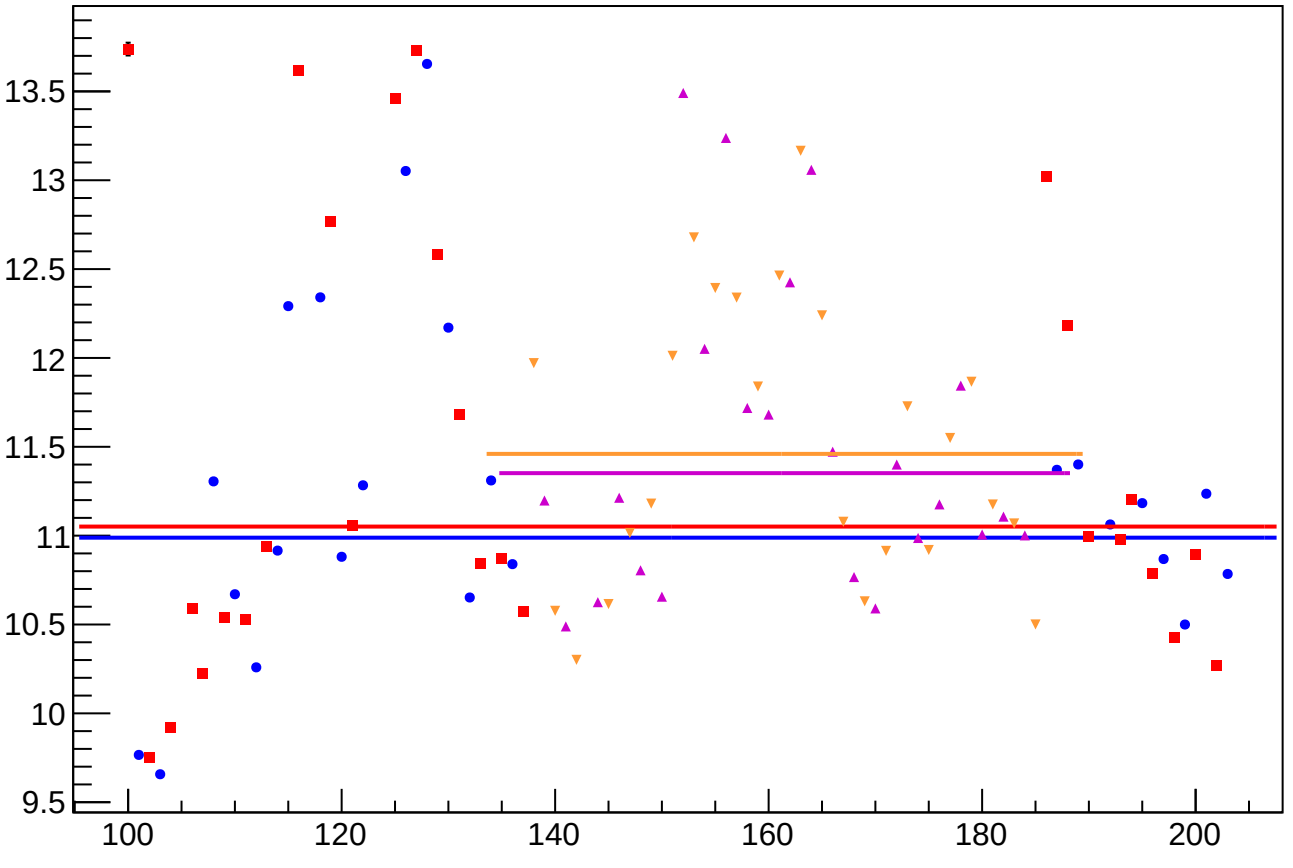
Left: -0.729+/-1.895 χ^2/NDF: 56.9/46

Right: -0.162+/-2.123 χ^2/NDF: 61.1/50

In: -2.073+/-2.009 χ^2/NDF:52.6/46

Out: 1.086+/-1.989 χ^2/NDF:64.2/50

All: -0.478+/-1.413 χ^2/NDF: 118.1/97



Right In: 10.989+/-0.002 χ^2/NDF: 144014.2/23

Left Out: 11.460+/-0.002 χ^2/NDF:150430.0/23

Right Out: 11.051+/-0.002 χ^2/NDF: 215855.7/26

Left In: 11.352+/-0.002 χ^2/NDF:170563.6/22

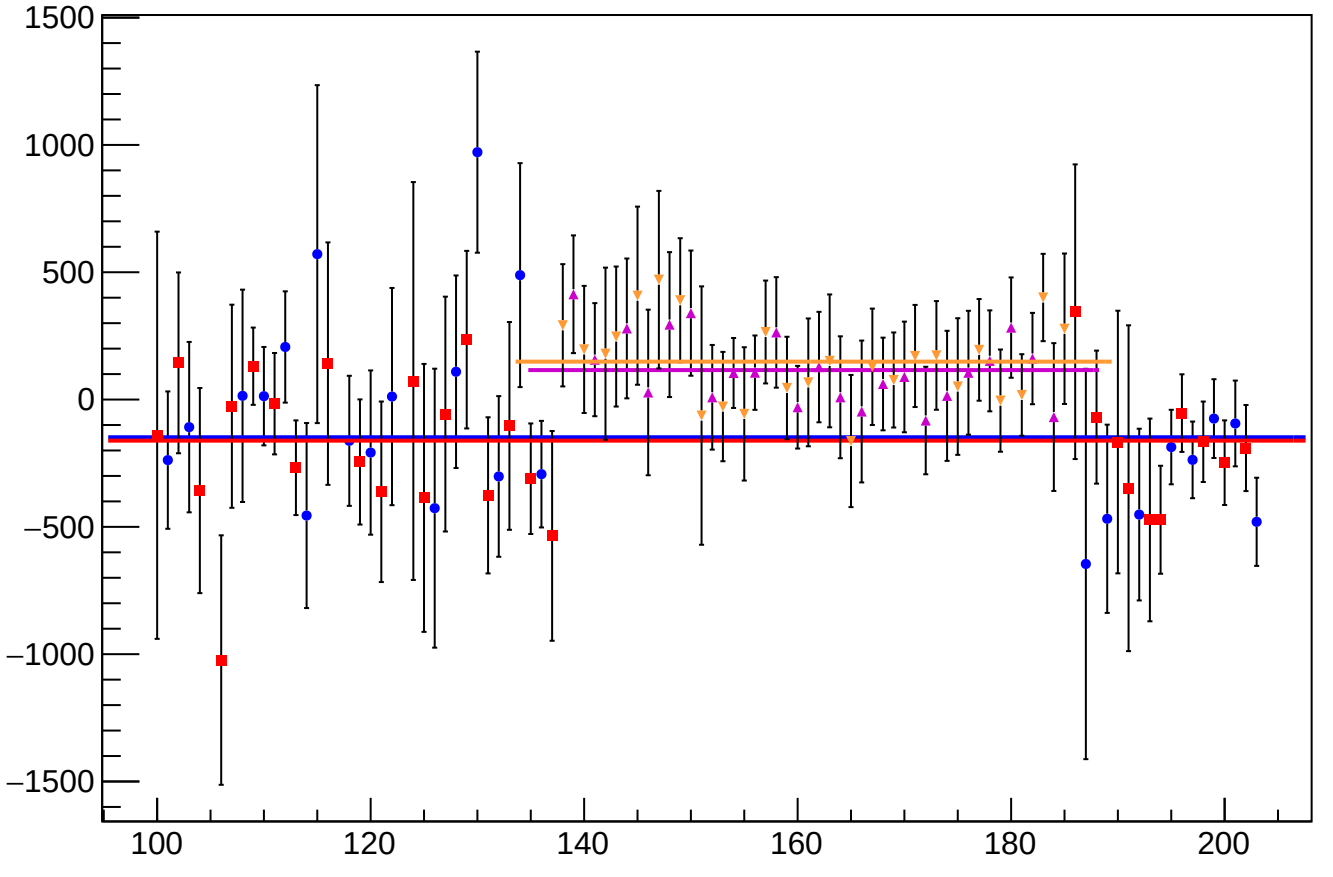
Left: 11.406+/-0.001 χ^2/NDF: 322630.2/46

Right: 11.021+/-0.002 χ^2/NDF: 360302.8/50

In: 11.194+/-0.001 χ^2/NDF:330634.7/46

Out: 11.275+/-0.001 χ^2/NDF:387234.2/50

All: 11.235+/-0.001 χ^2/NDF: 719545.5/97



Right In: -148.072+/-50.617 χ^2/NDF: 23.7/23

Left Out: 148.905+/-46.306 χ^2/NDF:10.5/24

Right Out: -161.399+/-48.718 χ^2/NDF: 17.6/28

Left In: 115.709+/-43.641 χ^2/NDF:7.8/22

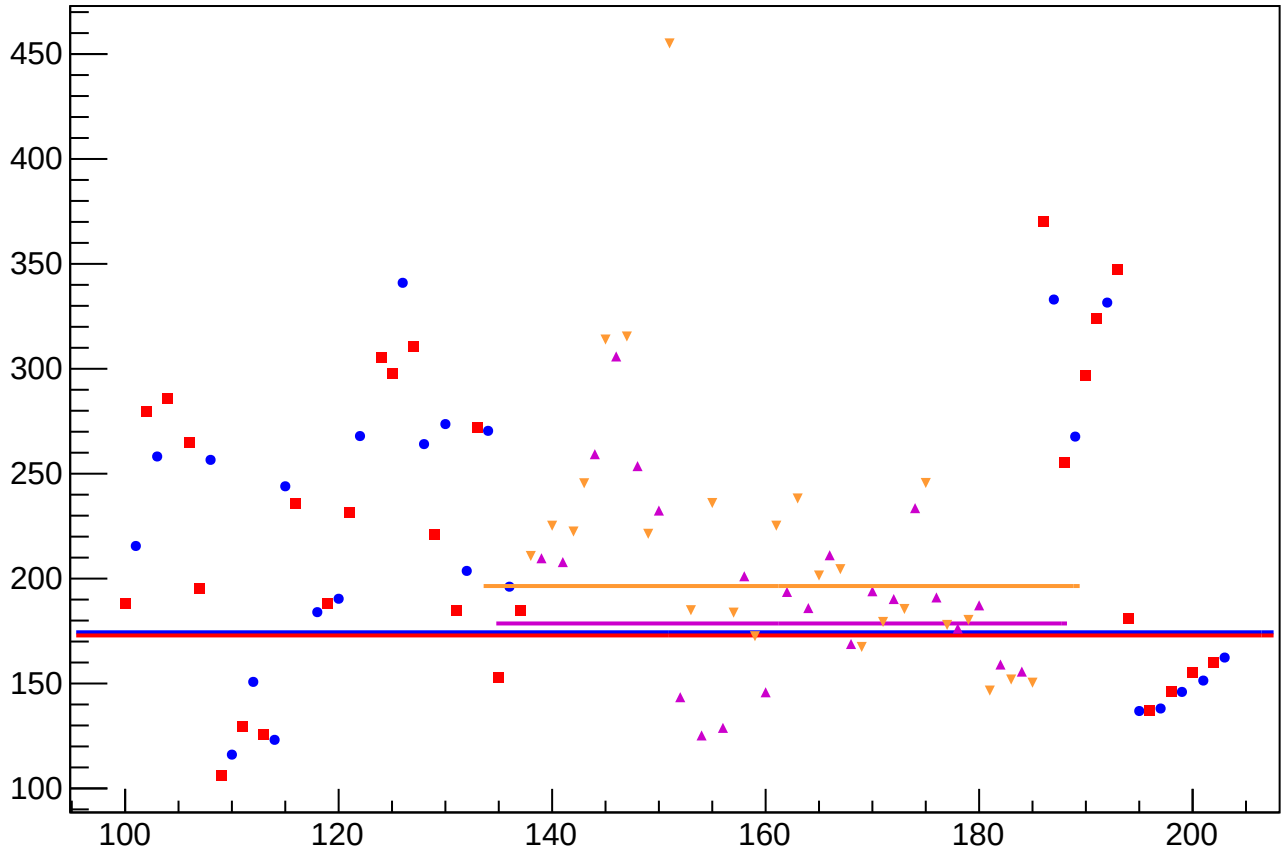
Left: 131.325+/-31.759 χ^2/NDF: 18.6/47

Right: -154.990+/-35.101 χ^2/NDF: 41.3/52

In: 3.235+/-33.052 χ^2/NDF:47.0/46

Out: 1.623+/-33.564 χ^2/NDF:49.4/53

All: 2.441+/-23.550 χ^2/NDF: 96.4/100



Right In: 174.404+/-0.036 χ^2/NDF: 2188481.3/23

Left Out: 196.454+/-0.033 χ^2/NDF:1818746.1/24

Right Out: 172.908+/-0.034 χ^2/NDF: 2897284.5/28

Left In: 178.614+/-0.031 χ^2/NDF:1678859.8/22

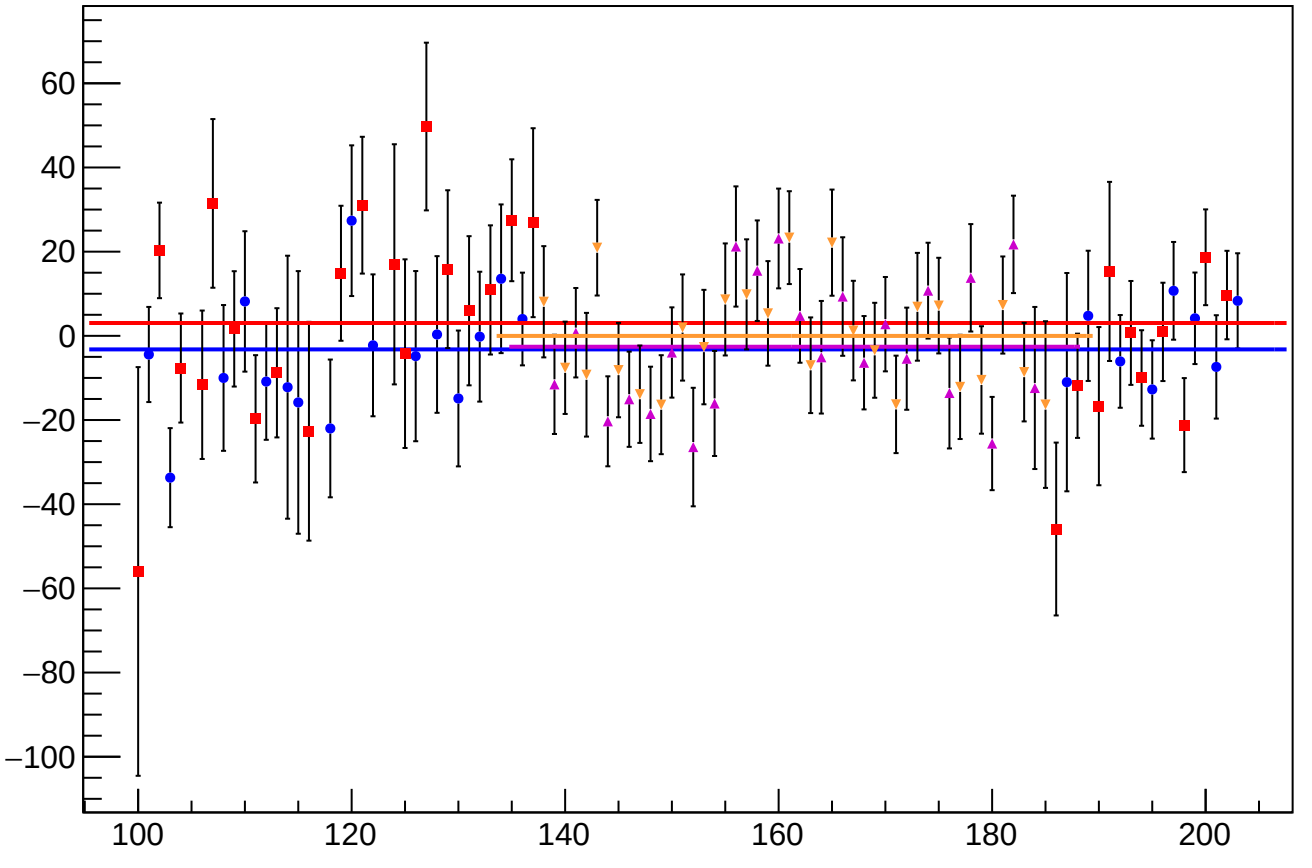
Left: 187.006+/-0.022 χ^2/NDF: 3654827.6/47

Right: 173.628+/-0.025 χ^2/NDF: 5086673.0/52

In: 176.819+/-0.023 χ^2/NDF:3875275.9/46

Out: 185.278+/-0.024 χ^2/NDF:4961475.2/53

All: 180.984+/-0.017 χ^2/NDF: 8901250.6/100



Right In: -3.222+/-2.936 χ^2/NDF: 18.2/23

Left Out: -0.018+/-2.445 χ^2/NDF:23.7/24

Right Out: 3.051+/-2.816 χ^2/NDF: 42.1/28

Left In: -2.591+/-2.506 χ^2/NDF:34.8/22

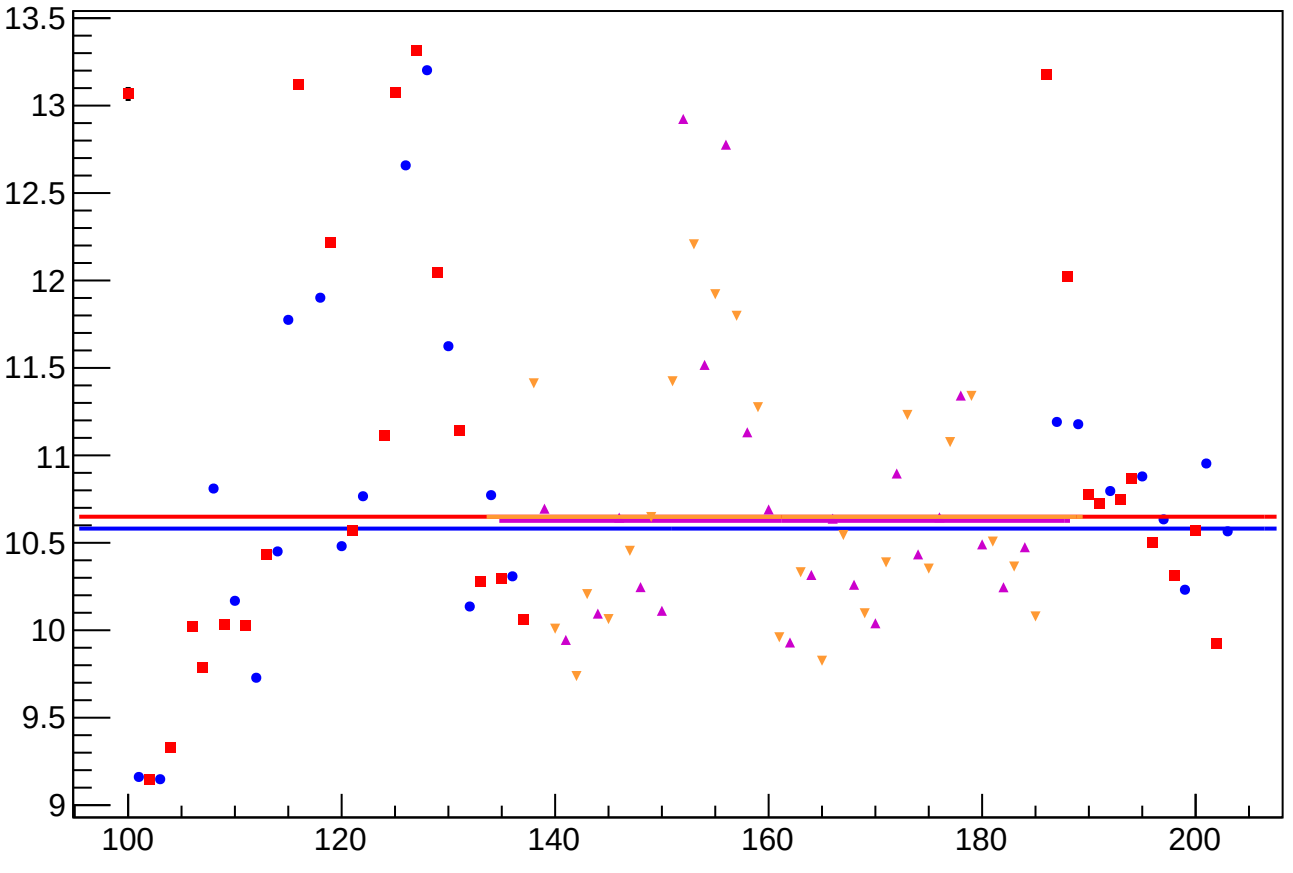
Left: -1.272+/-1.750 χ^2/NDF: 59.1/47

Right: 0.045+/-2.032 χ^2/NDF: 62.6/52

In: -2.857+/-1.906 χ^2/NDF:53.0/46

Out: 1.301+/-1.846 χ^2/NDF:66.5/53

All: -0.712+/-1.326 χ^2/NDF: 121.9/100



Right In: 10.581+/-0.002 χ^2/NDF: 169042.9/23

Left Out: 10.648+/-0.002 χ^2/NDF:143535.9/24

Right Out: 10.649+/-0.002 χ^2/NDF: 256002.4/28

Left In: 10.626+/-0.002 χ^2/NDF:159543.1/22

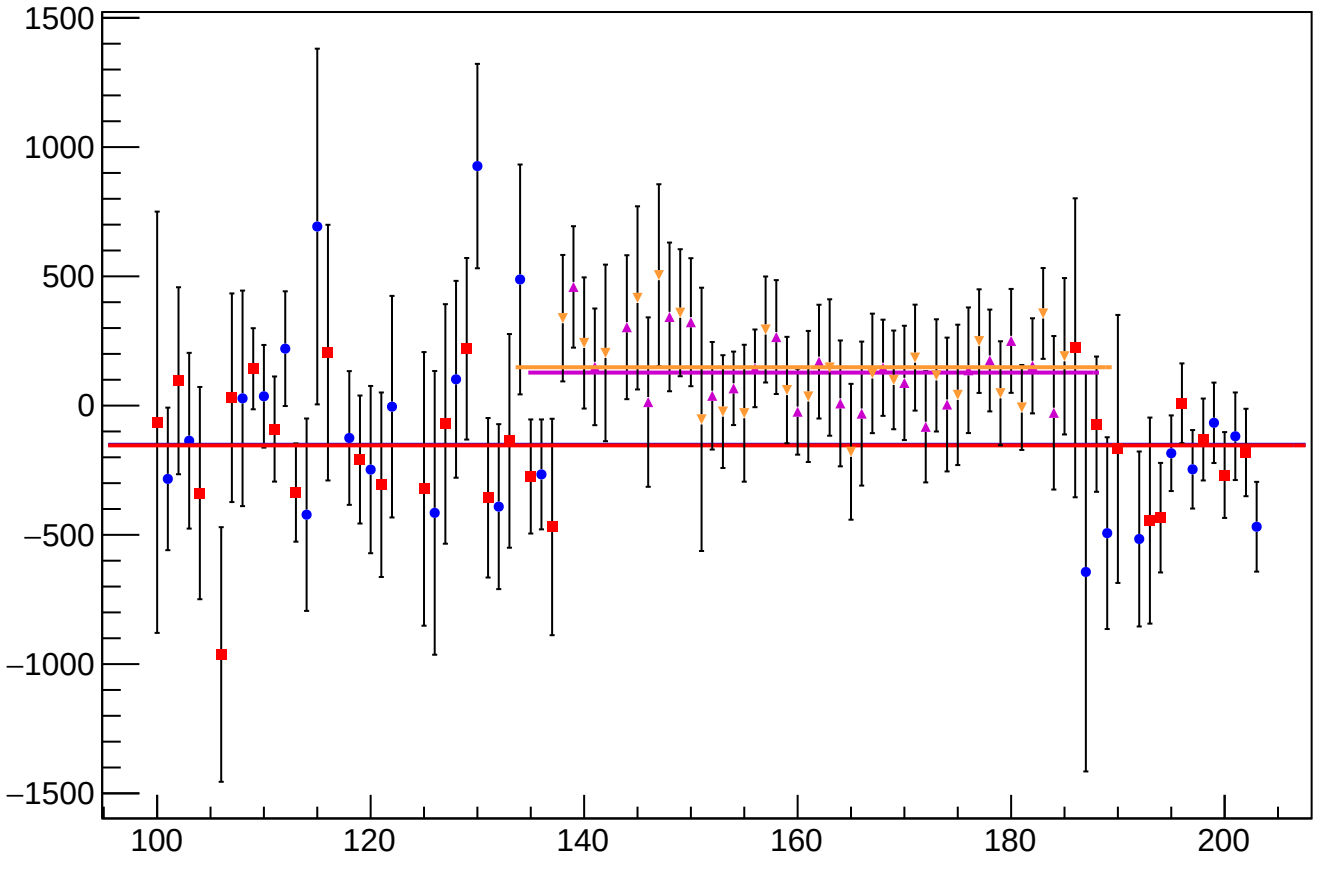
Left: 10.637+/-0.001 χ^2/NDF: 303162.3/47

Right: 10.617+/-0.001 χ^2/NDF: 425602.4/52

In: 10.607+/-0.001 χ^2/NDF:328849.8/46

Out: 10.649+/-0.001 χ^2/NDF:399538.5/53

All: 10.628+/-0.001 χ^2/NDF: 728882.0/100



Right In: -151.619+/-51.085 χ^2/NDF: 23.9/23

Left Out: 148.441+/-47.720 χ^2/NDF:9.9/23

Right Out: -153.853+/-49.505 χ^2/NDF: 15.9/26

Left In: 127.710+/-44.426 χ^2/NDF:7.8/22

Left: 137.335+/-32.516 χ^2/NDF: 17.8/46

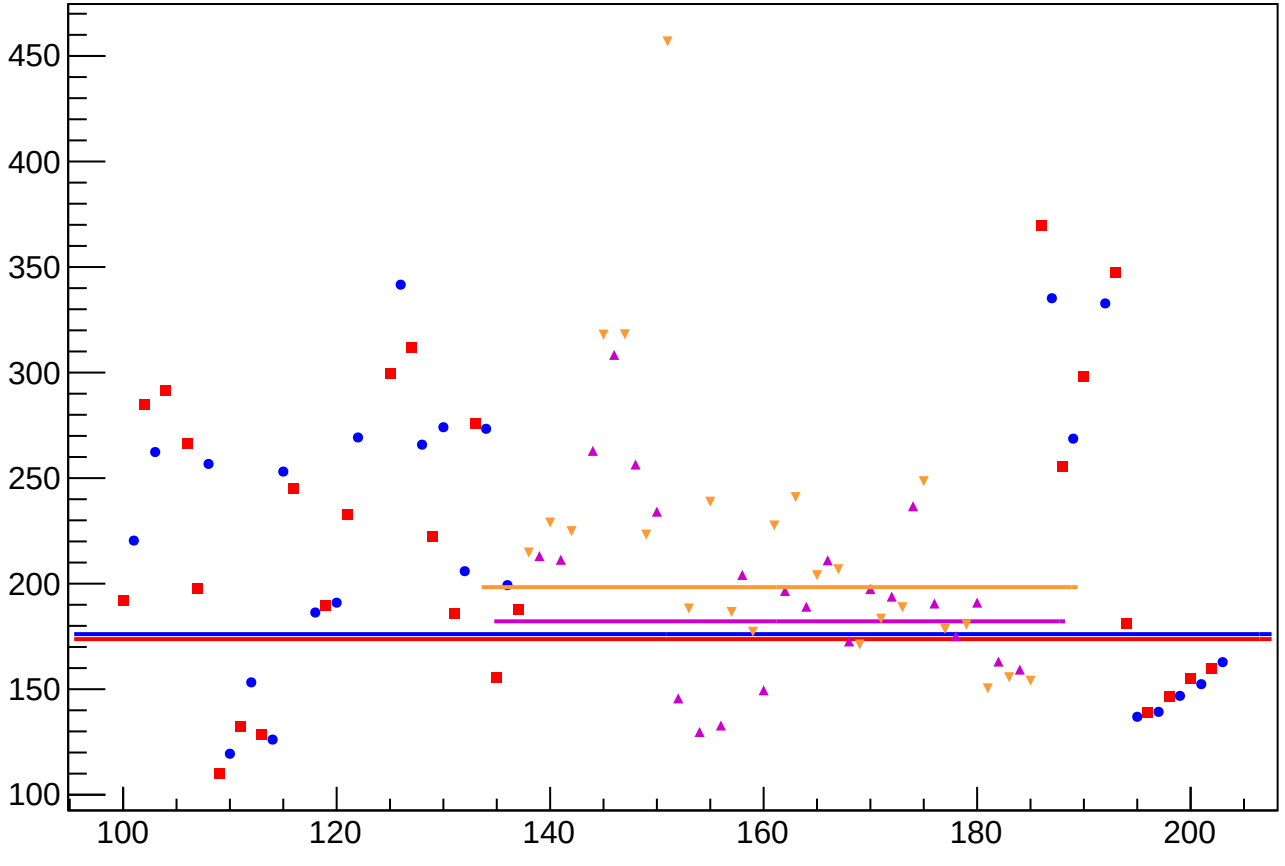
Right: -152.771+/-35.551 χ^2/NDF: 39.9/50

In: 7.425+/-33.523 χ^2/NDF:48.8/46

Out: 2.839+/-34.357 χ^2/NDF:45.2/50

All: 5.188+/-23.994 χ^2/NDF: 94.0/97

asym_bcm_dg_us_dg_ds_avg_rms vs Slug, Sign Corrected



Right In: 176.092+/-0.036 χ^2/NDF: 2176141.6/23

Left Out: 198.351+/-0.034 χ^2/NDF:1697058.2/23

Right Out: 173.730+/-0.035 χ^2/NDF: 2658310.8/26

Left In: 182.150+/-0.031 χ^2/NDF:1584358.1/22

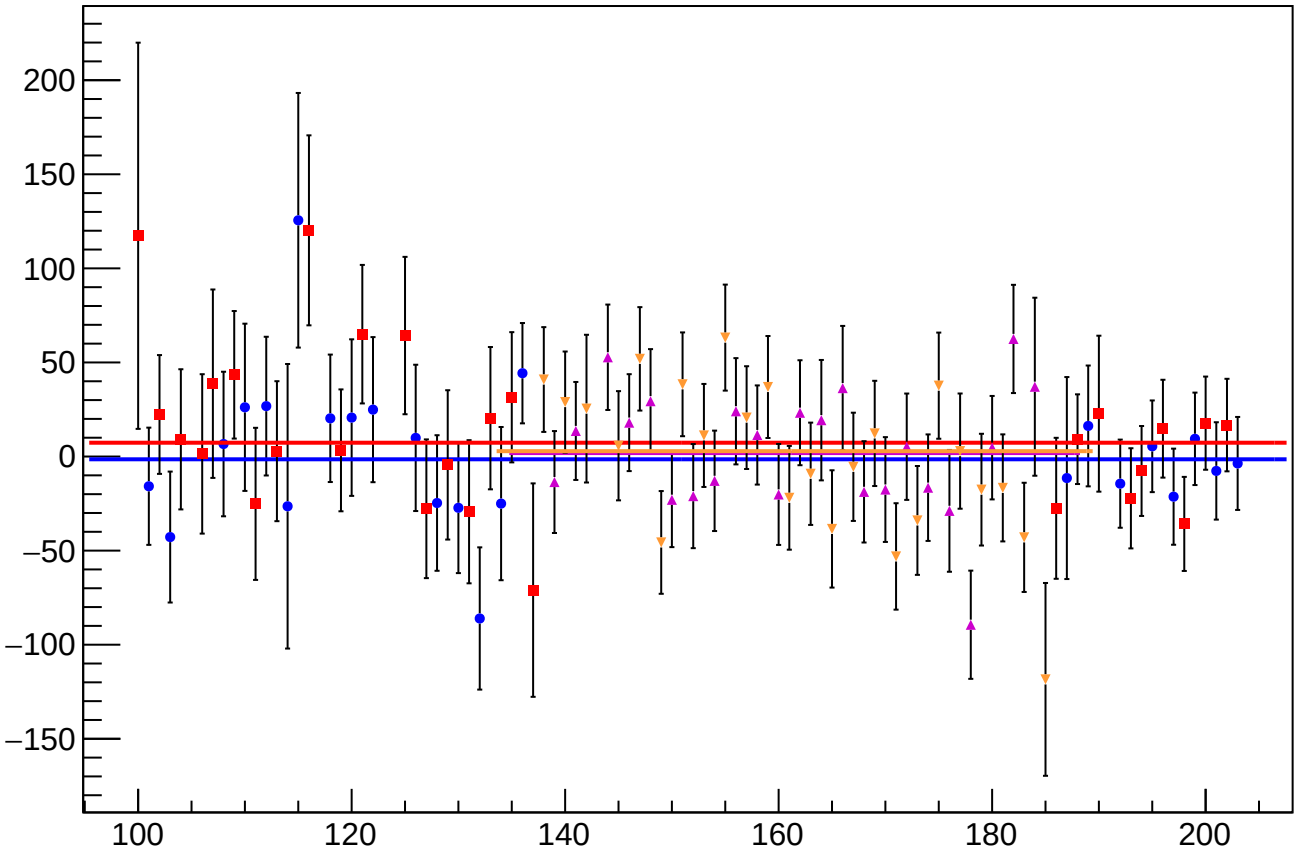
Left: 189.672+/-0.023 χ^2/NDF: 3404908.8/46

Right: 174.874+/-0.025 χ^2/NDF: 4836657.2/50

In: 179.541+/-0.024 χ^2/NDF:3776514.7/46

Out: 186.492+/-0.024 χ^2/NDF:4611804.8/50

All: 182.931+/-0.017 χ^2/NDF: 8430257.7/97



Right In: -1.469+/-6.680 χ^2/NDF: 18.4/23

Left Out: 2.851+/-5.904 χ^2/NDF:36.9/23

Right Out: 7.342+/-6.438 χ^2/NDF: 23.4/26

Left In: 1.850+/-5.893 χ^2/NDF:28.1/22

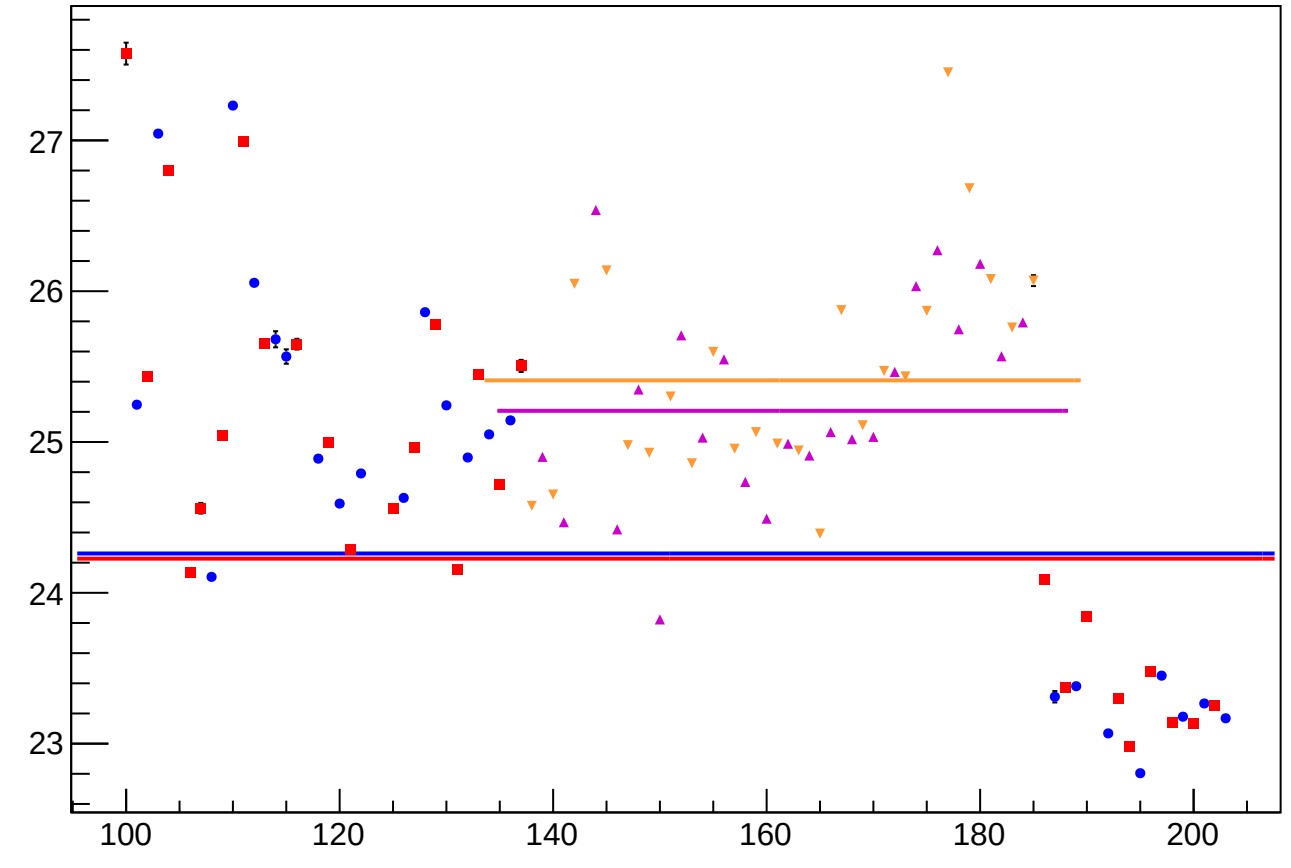
Left: 2.349+/-4.171 χ^2/NDF: 65.0/46

Right: 3.099+/-4.635 χ^2/NDF: 42.6/50

In: 0.397+/-4.419 χ^2/NDF:46.6/46

Out: 4.902+/-4.351 χ^2/NDF:60.5/50

All: 2.685+/-3.101 χ^2/NDF: 107.7/97



Right In: 24.261+/-0.005 χ^2/NDF: 67639.6/23

Left Out: 25.409+/-0.004 χ^2/NDF:26863.6/23

Right Out: 24.227+/-0.005 χ^2/NDF: 61495.5/26

Left In: 25.207+/-0.004 χ^2/NDF:25827.4/22

Left: 25.308+/-0.003 χ^2/NDF: 53862.4/46

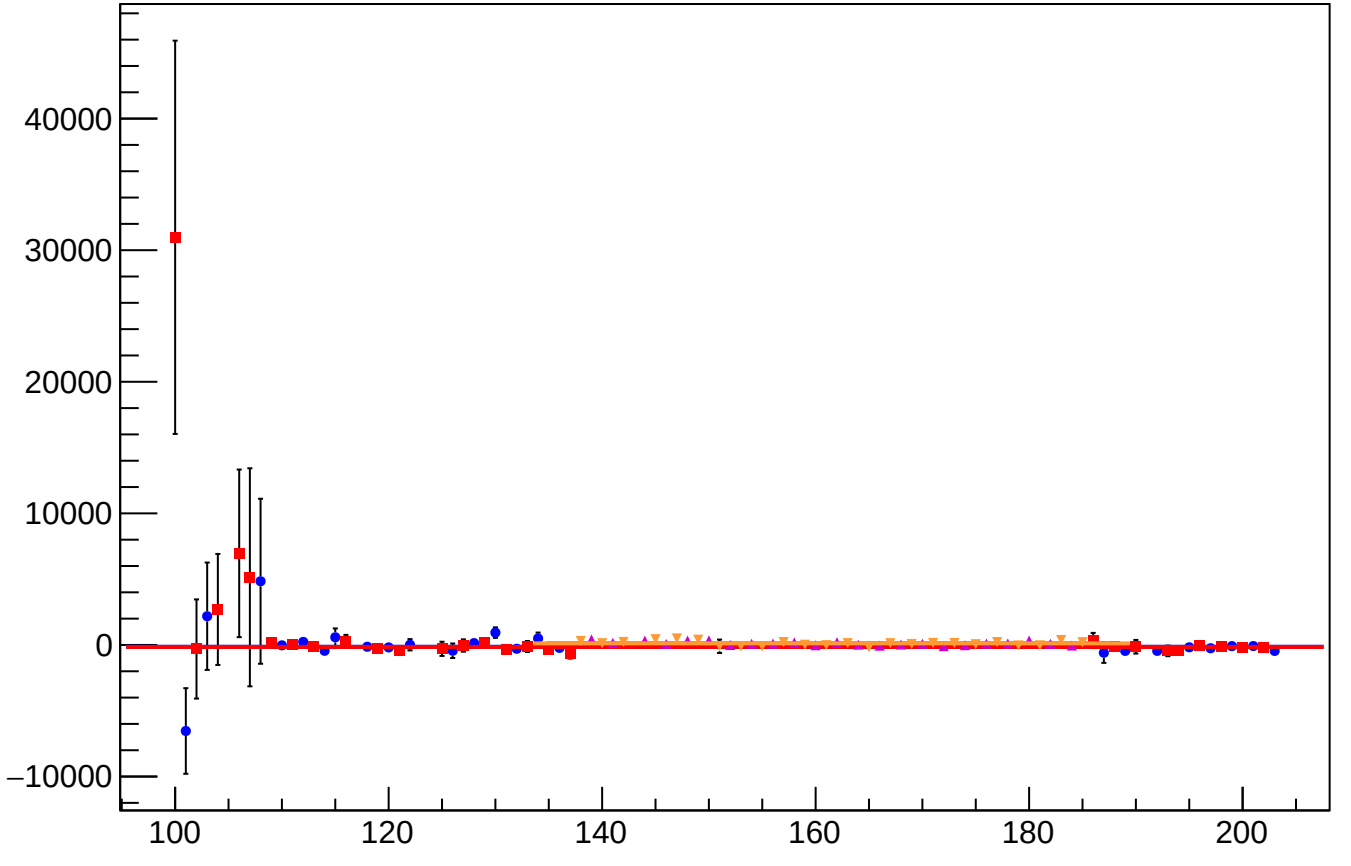
Right: 24.243+/-0.003 χ^2/NDF: 129162.1/50

In: 24.793+/-0.003 χ^2/NDF:116024.0/46

Out: 24.869+/-0.003 χ^2/NDF:124974.1/50

All: 24.831+/-0.002 χ^2/NDF: 241298.2/97

asym_bcm_cav4cQ_an_ds_avg_mean vs Slug, Sign Corrected



Right In: -139.632+/-53.758 χ^2/NDF: 26.2/23

Left Out: 120.221+/-47.440 χ^2/NDF:11.9/23

Right Out: -150.421+/-52.875 χ^2/NDF: 18.2/26

Left In: 116.243+/-44.786 χ^2/NDF:8.4/22

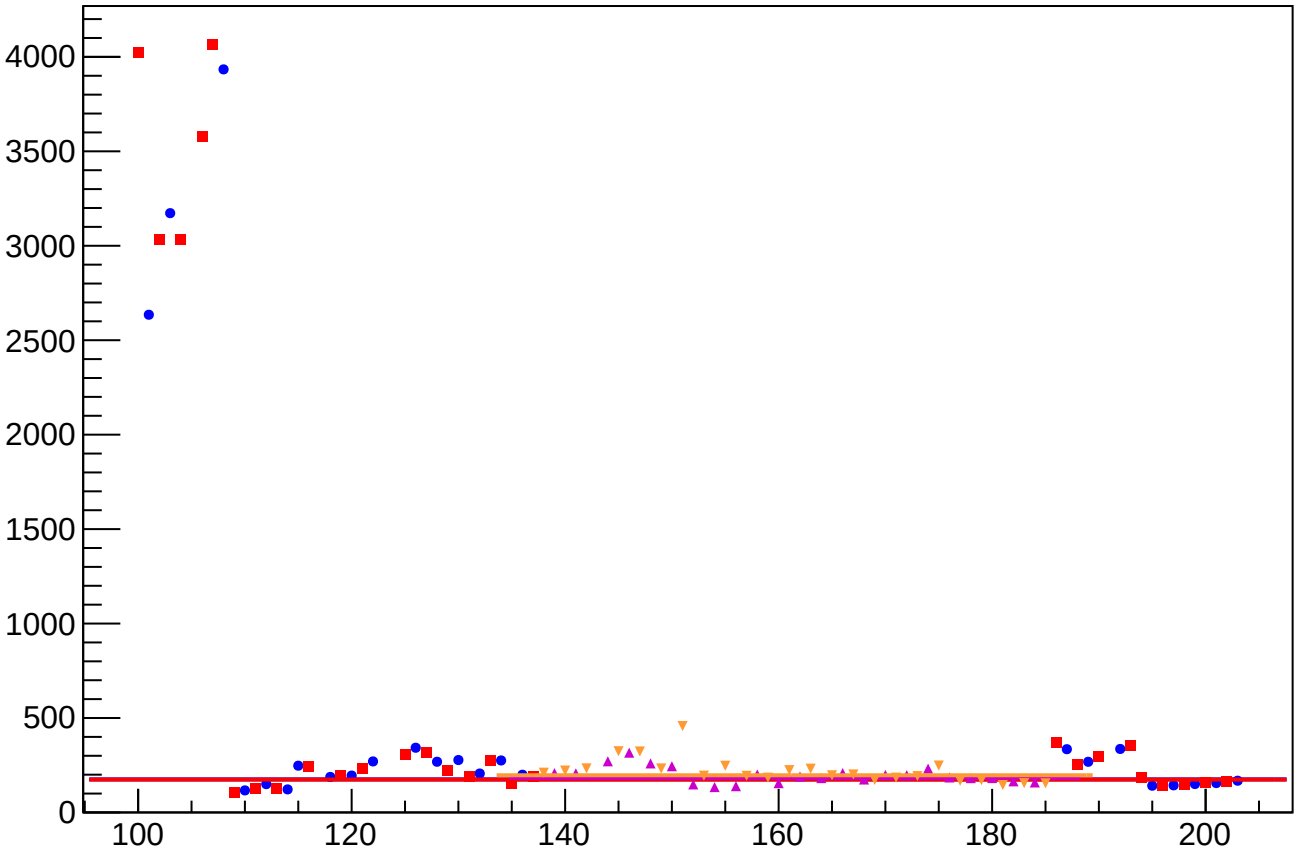
Left: 118.118+/-32.566 χ^2/NDF: 20.4/46

Right: -145.116+/-37.697 χ^2/NDF: 44.5/50

In: 11.411+/-34.410 χ^2/NDF:48.0/46

Out: -0.480+/-35.311 χ^2/NDF:44.6/50

All: 5.619+/-24.644 χ^2/NDF: 92.7/97



Right In: 175.052+/-0.038 χ^2/NDF: 4816696.4/23

Left Out: 196.935+/-0.034 χ^2/NDF:1809266.5/23

Right Out: 174.060+/-0.037 χ^2/NDF: 5333165.5/26

Left In: 184.051+/-0.032 χ^2/NDF:1445426.0/22

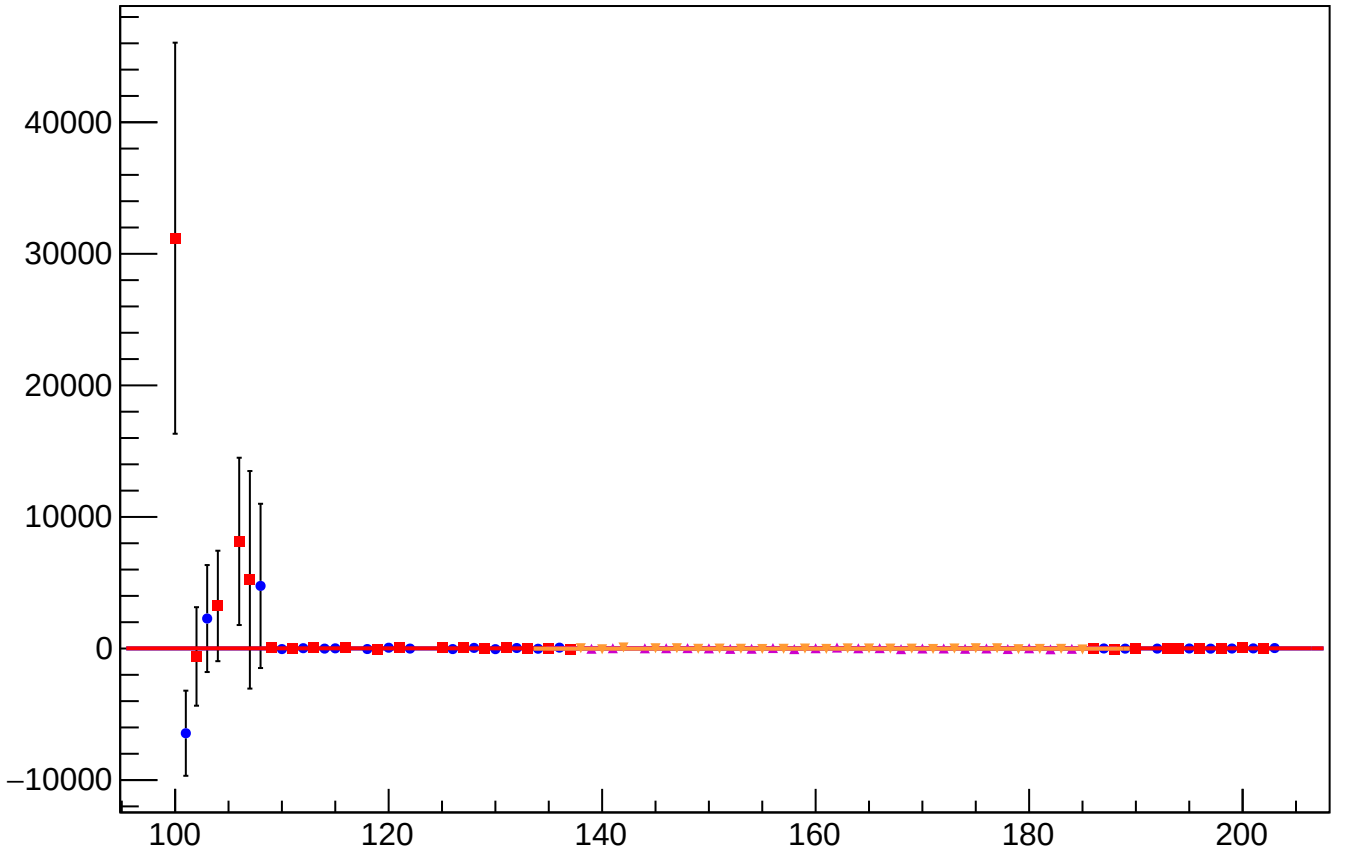
Left: 190.123+/-0.023 χ^2/NDF: 3332695.4/46

Right: 174.548+/-0.027 χ^2/NDF: 10150207.8/50

In: 180.364+/-0.024 χ^2/NDF:6295207.0/46

Out: 186.733+/-0.025 χ^2/NDF:7349821.3/50

All: 183.466+/-0.017 χ^2/NDF: 13678406.2/97



Right In: 4.475+/-8.091 χ^2/NDF: 19.9/23

Left Out: -11.111+/-6.653 χ^2/NDF:17.5/23

Right Out: 14.016+/-7.937 χ^2/NDF: 28.4/26

Left In: 2.576+/-6.732 χ^2/NDF:22.2/22

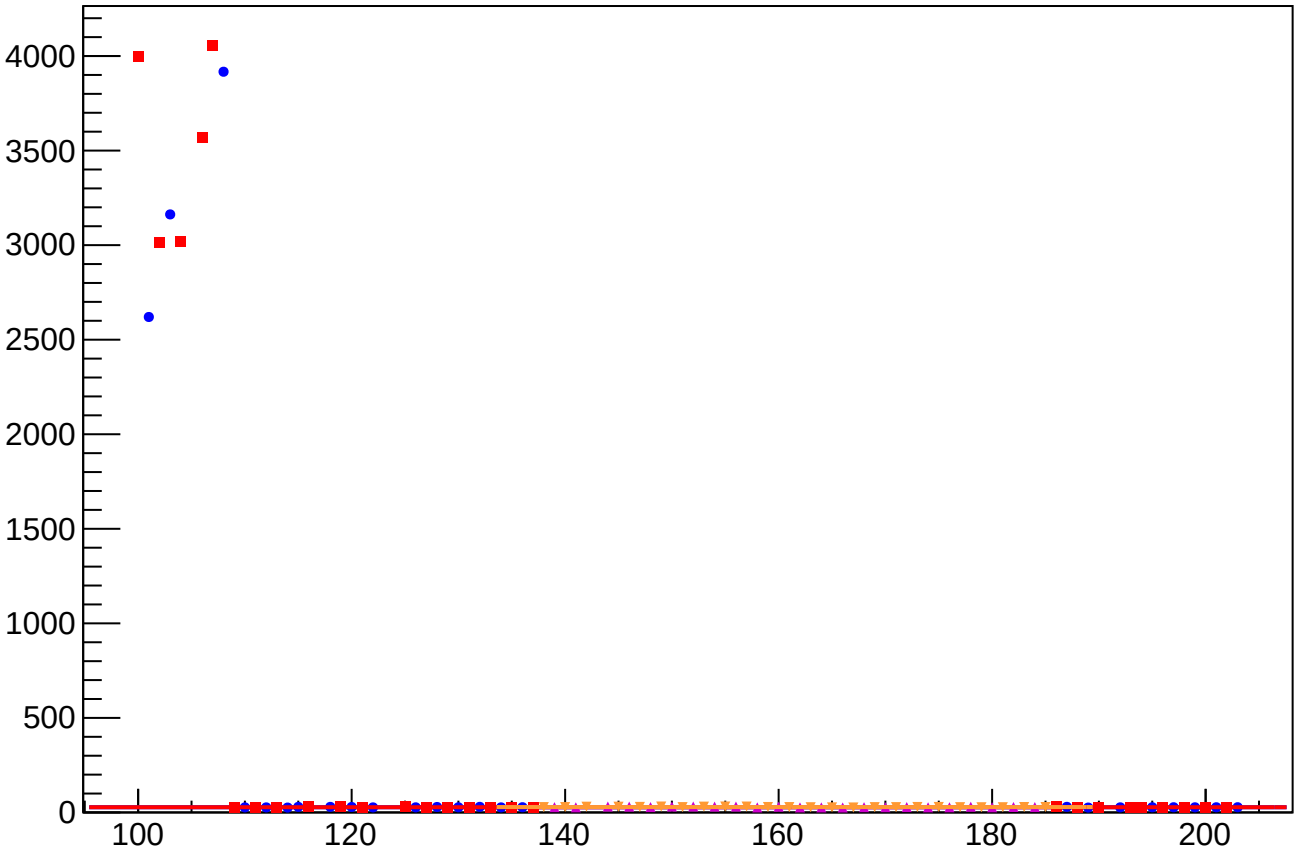
Left: -4.348+/-4.732 χ^2/NDF: 41.8/46

Right: 9.337+/-5.666 χ^2/NDF: 49.0/50

In: 3.353+/-5.175 χ^2/NDF:42.1/46

Out: -0.742+/-5.099 χ^2/NDF:51.8/50

All: 1.275+/-3.632 χ^2/NDF: 94.2/97



Right In: 27.522+/-0.006 χ^2/NDF: 3275079.6/23

Left Out: 28.592+/-0.005 χ^2/NDF:80997.4/23

Right Out: 27.586+/-0.006 χ^2/NDF: 3579911.9/26

Left In: 28.728+/-0.005 χ^2/NDF:127383.0/22

Left: 28.659+/-0.003 χ^2/NDF: 208789.7/46

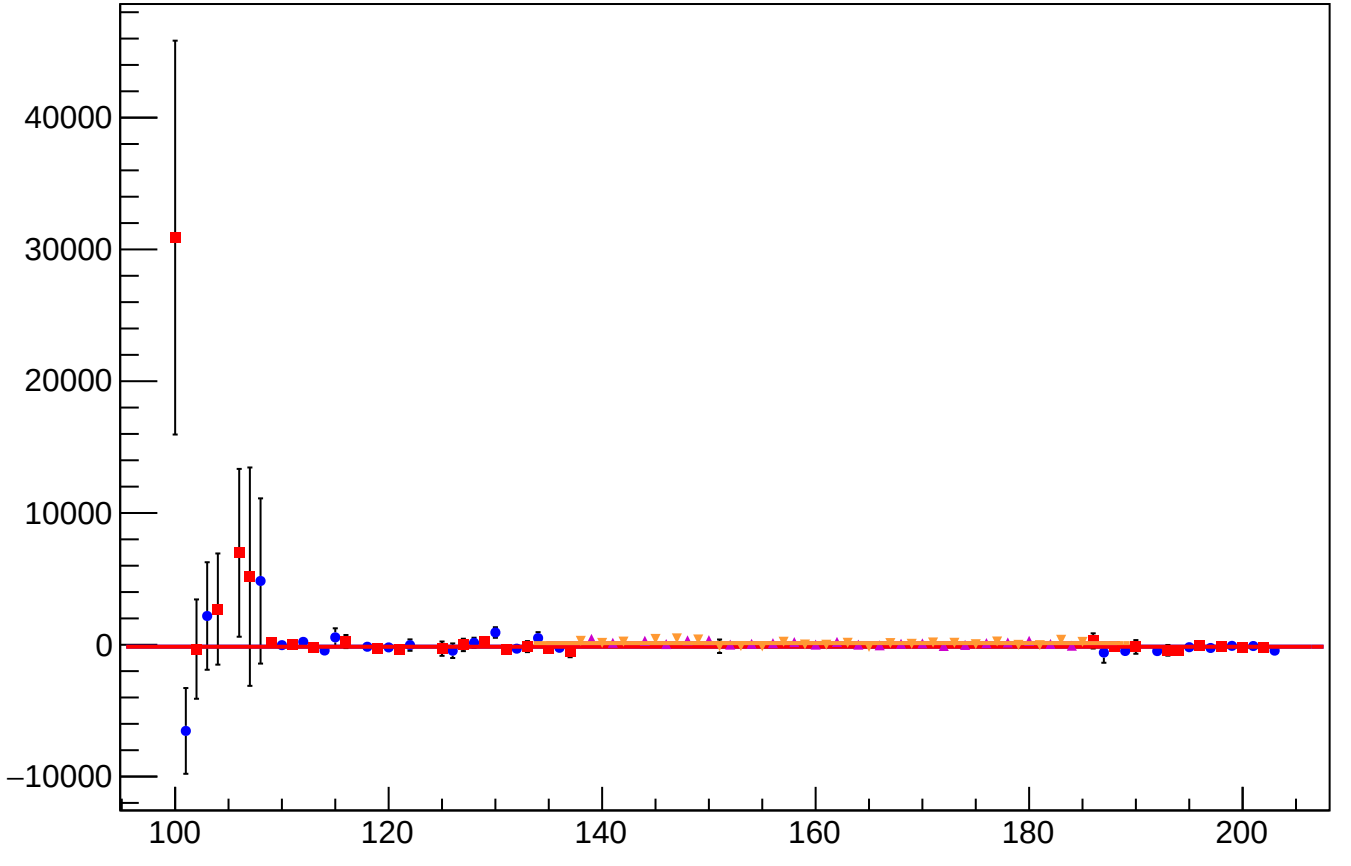
Right: 27.555+/-0.004 χ^2/NDF: 6855053.8/50

In: 28.235+/-0.004 χ^2/NDF:3428687.5/46

Out: 28.177+/-0.004 χ^2/NDF:3679802.5/50

All: 28.205+/-0.003 χ^2/NDF: 7108616.2/97

asym_bcm_cav4cQ_dg_ds_avg_mean vs Slug, Sign Corrected



Right In: -143.552+/-54.017 χ^2/NDF: 25.9/23

Left Out: 126.373+/-47.852 χ^2/NDF:11.6/23

Right Out: -149.089+/-53.111 χ^2/NDF: 17.0/26

Left In: 122.809+/-45.199 χ^2/NDF:8.0/22

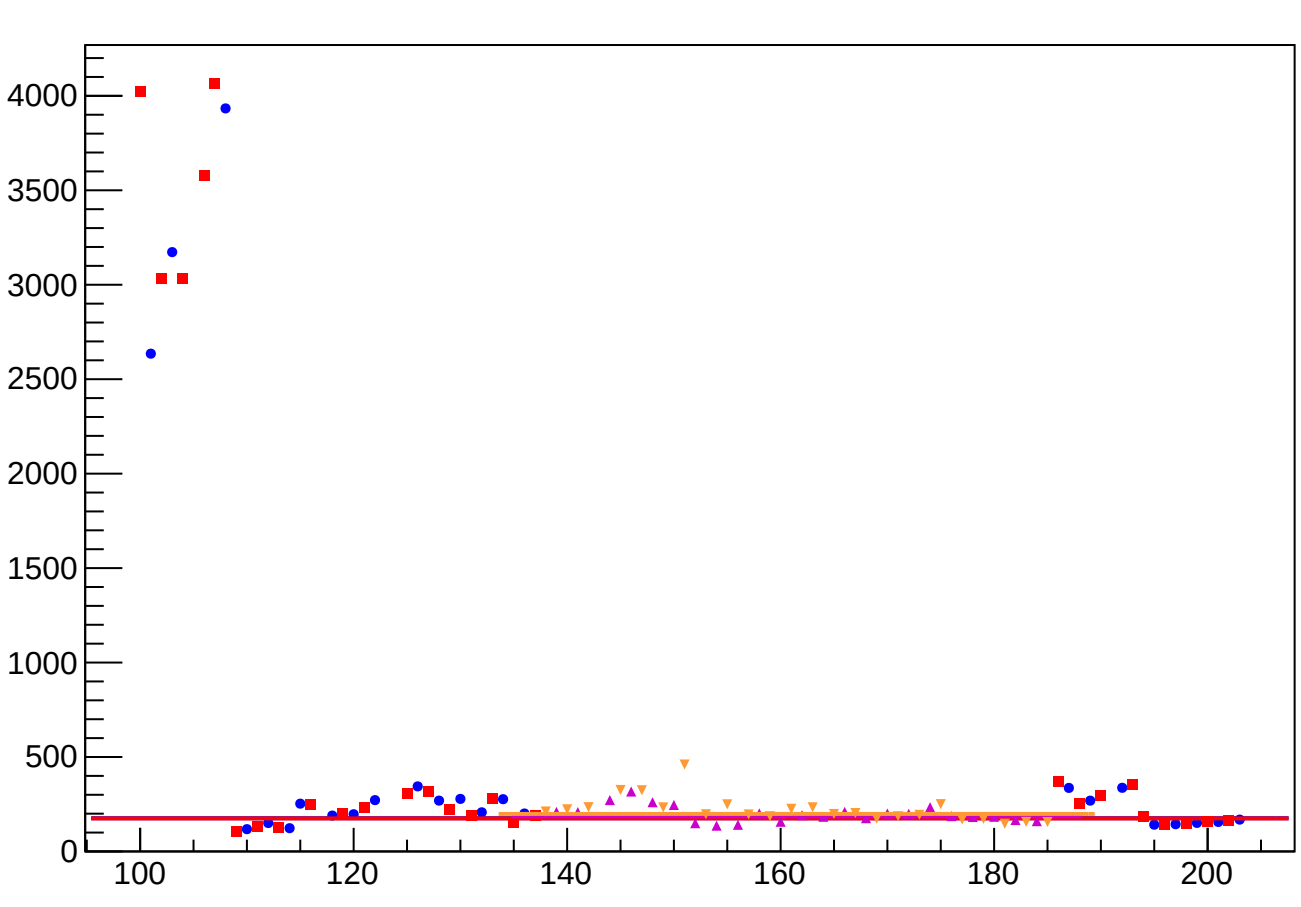
Left: 124.489+/-32.858 χ^2/NDF: 19.6/46

Right: -146.368+/-37.871 χ^2/NDF: 42.8/50

In: 13.116+/-34.664 χ^2/NDF:48.2/46

Out: 2.951+/-35.551 χ^2/NDF:43.4/50

All: 8.162+/-24.819 χ^2/NDF: 91.6/97



Right In: 175.916+/-0.038 χ^2/NDF: 4812377.5/23

Left Out: 198.736+/-0.034 χ^2/NDF:1786406.6/23

Right Out: 174.898+/-0.038 χ^2/NDF: 5321173.0/26

Left In: 185.871+/-0.032 χ^2/NDF:1405525.2/22

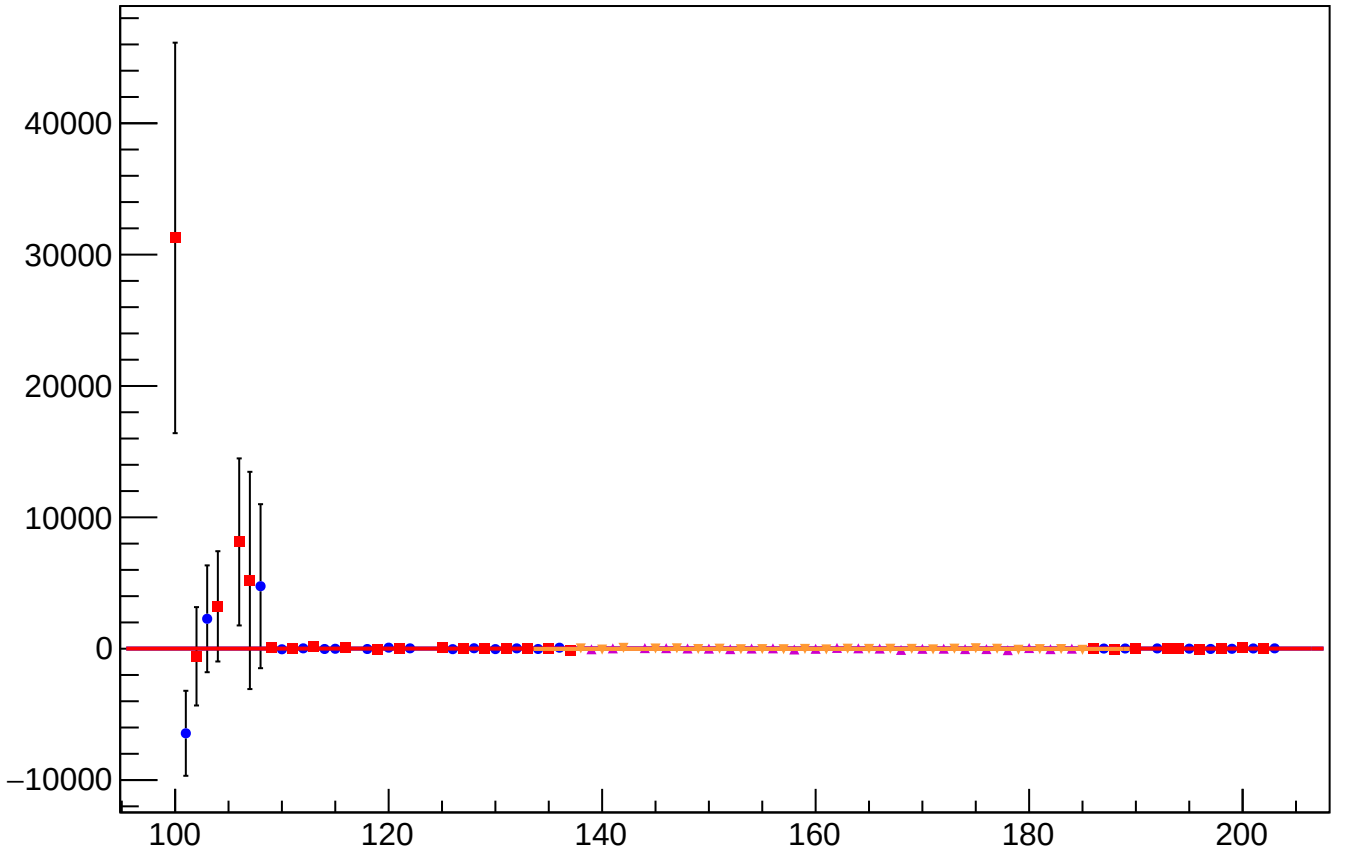
Left: 191.937+/-0.023 χ^2/NDF: 3268326.7/46

Right: 175.399+/-0.027 χ^2/NDF: 10133911.8/50

In: 181.772+/-0.025 χ^2/NDF:6257858.3/46

Out: 188.055+/-0.025 χ^2/NDF:7329959.6/50

All: 184.834+/-0.018 χ^2/NDF: 13619847.4/97



Right In: 11.263+/-8.944 χ^2/NDF: 17.0/23

Left Out: -18.187+/-7.260 χ^2/NDF:20.3/23

Right Out: 8.862+/-8.758 χ^2/NDF: 36.7/26

Left In: -2.709+/-7.348 χ^2/NDF:35.5/22

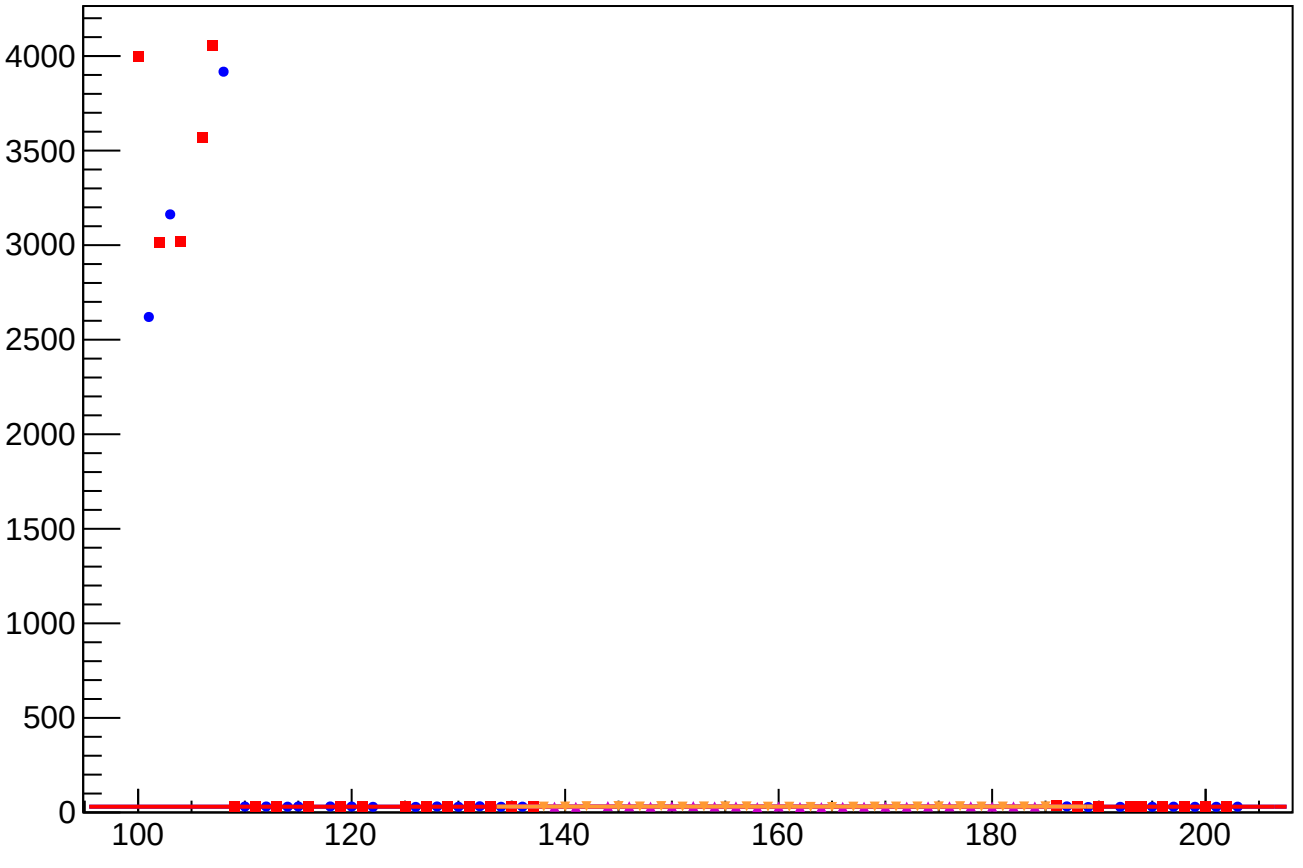
Left: -10.542+/-5.164 χ^2/NDF: 58.1/46

Right: 10.037+/-6.258 χ^2/NDF: 53.7/50

In: 2.921+/-5.677 χ^2/NDF:54.0/46

Out: -7.172+/-5.589 χ^2/NDF:62.7/50

All: -2.204+/-3.983 χ^2/NDF: 118.2/97



Right In: 30.437+/-0.006 χ^2/NDF: 3263263.6/23

Left Out: 31.221+/-0.005 χ^2/NDF:47423.0/23

Right Out: 30.459+/-0.006 χ^2/NDF: 3558195.1/26

Left In: 31.379+/-0.005 χ^2/NDF:85229.7/22

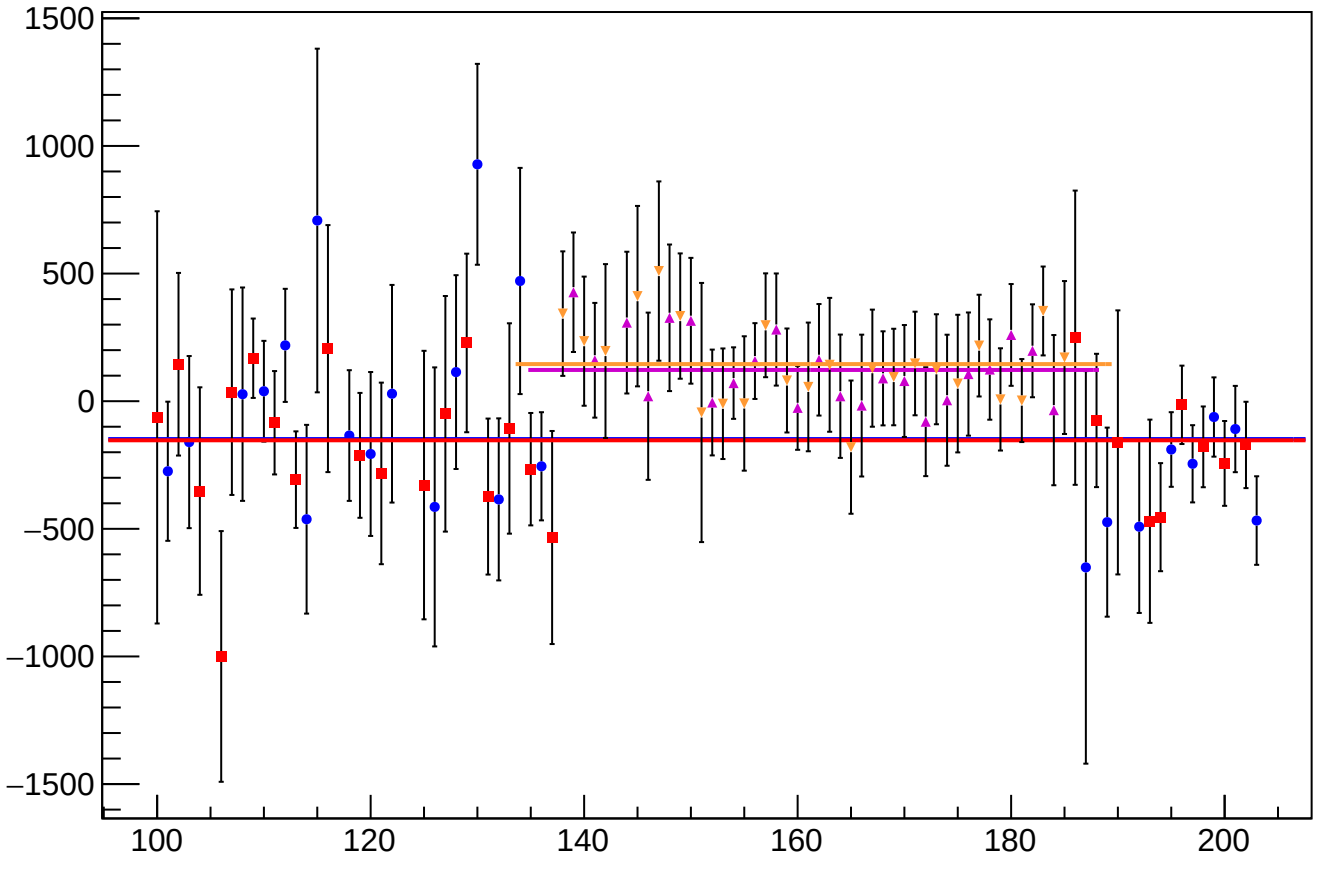
Left: 31.299+/-0.004 χ^2/NDF: 133120.3/46

Right: 30.448+/-0.004 χ^2/NDF: 6821465.2/50

In: 30.999+/-0.004 χ^2/NDF:3361764.1/46

Out: 30.911+/-0.004 χ^2/NDF:3614598.6/50

All: 30.955+/-0.003 χ^2/NDF: 6976609.1/97



Right In: -148.374+/-50.899 χ^2/NDF: 24.0/23

Left Out: 145.314+/-47.390 χ^2/NDF:9.4/23

Right Out: -153.158+/-49.308 χ^2/NDF: 17.3/26

Left In: 122.376+/-44.081 χ^2/NDF:7.9/22

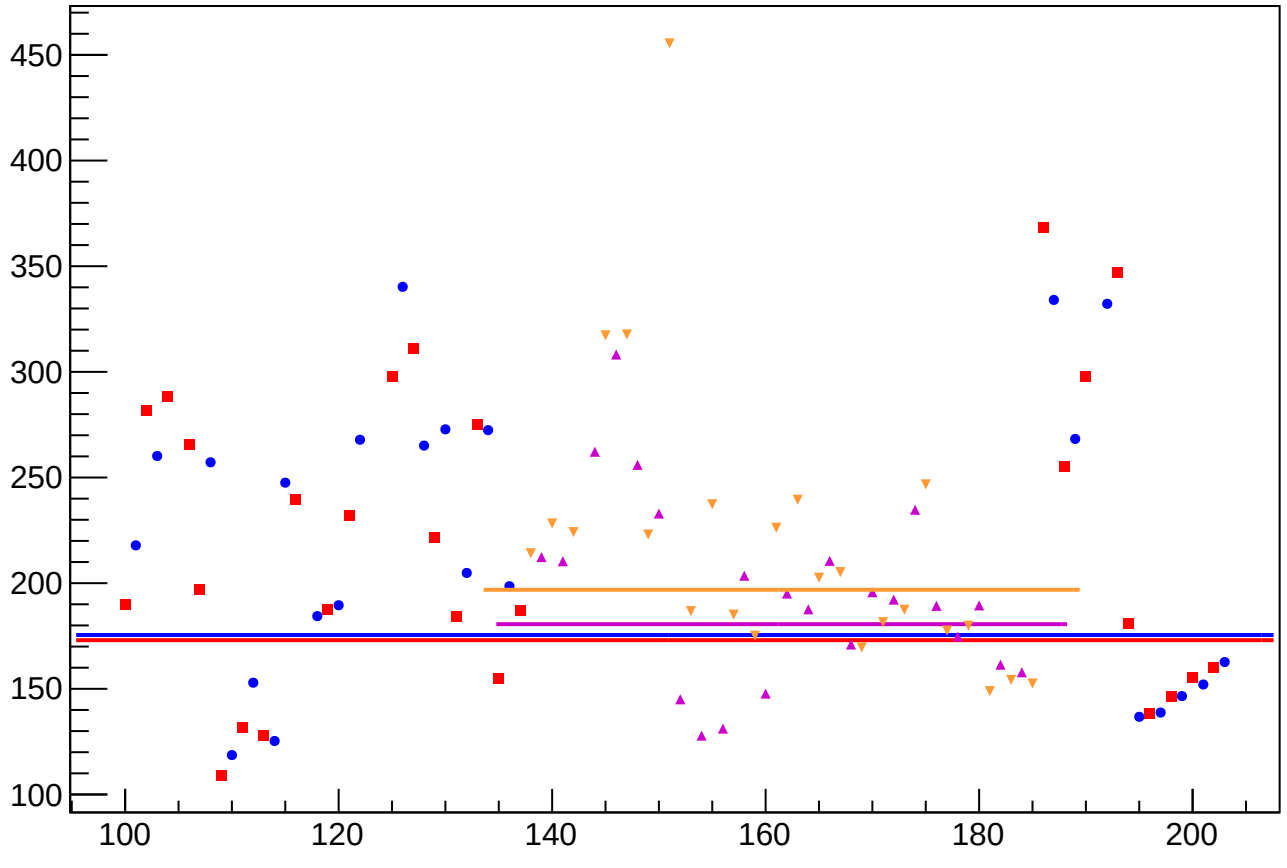
Left: 133.016+/-32.277 χ^2/NDF: 17.4/46

Right: -150.842+/-35.415 χ^2/NDF: 41.3/50

In: 6.336+/-33.322 χ^2/NDF:48.1/46

Out: 1.995+/-34.168 χ^2/NDF:45.7/50

All: 4.220+/-23.856 χ^2/NDF: 93.8/97



Right In: 175.467+/-0.036 χ^2/NDF: 2167687.6/23

Left Out: 196.873+/-0.034 χ^2/NDF:1725106.9/23

Right Out: 173.012+/-0.035 χ^2/NDF: 2656288.6/26

Left In: 180.601+/-0.031 χ^2/NDF:1628072.3/22

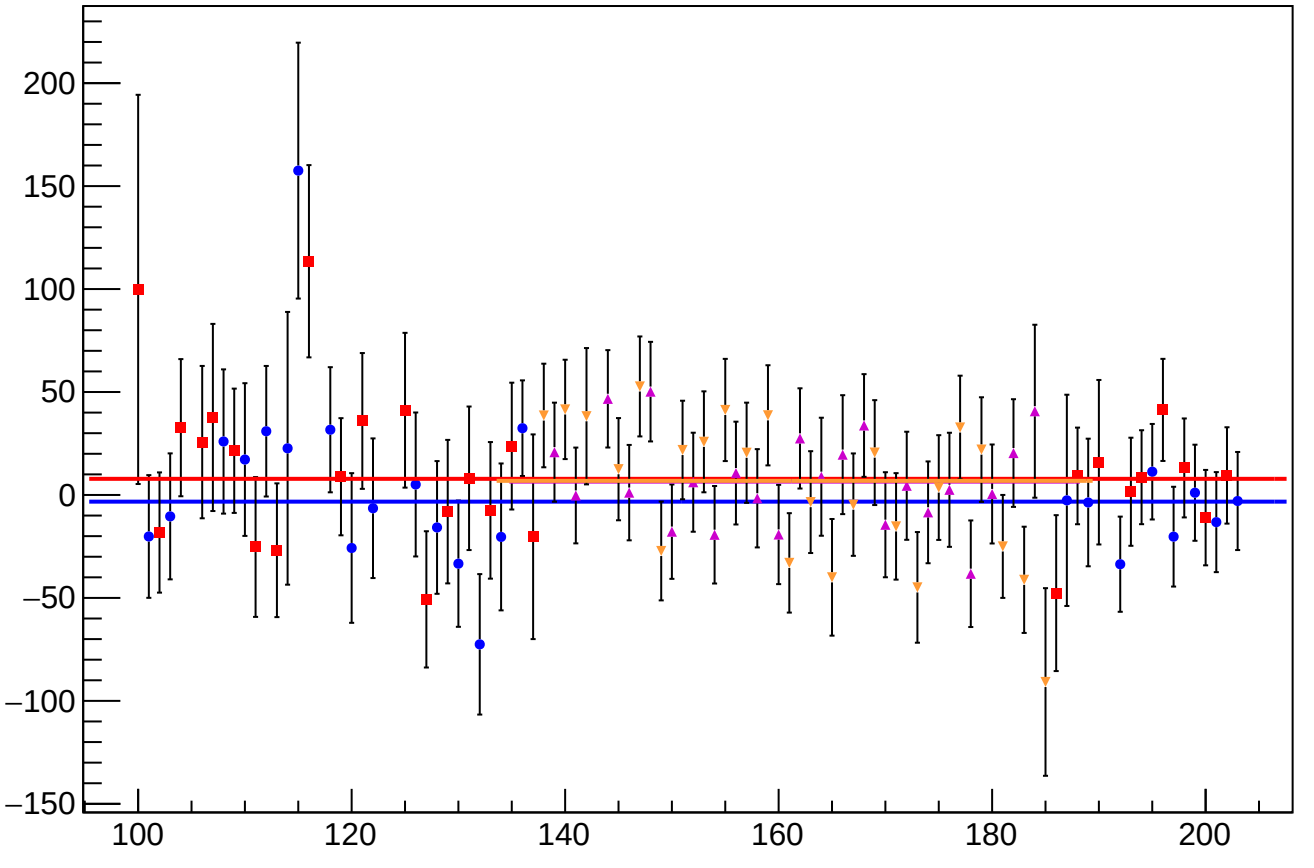
Left: 188.149+/-0.023 χ^2/NDF: 3479589.1/46

Right: 174.201+/-0.025 χ^2/NDF: 4826375.8/50

In: 178.401+/-0.024 χ^2/NDF:3807389.1/46

Out: 185.416+/-0.024 χ^2/NDF:4624848.4/50

All: 181.820+/-0.017 χ^2/NDF: 8475444.2/97



Right In: -3.245+/-6.152 χ^2/NDF: 21.8/23

Left Out: 6.857+/-5.229 χ^2/NDF:36.8/23

Right Out: 7.836+/-5.963 χ^2/NDF: 20.8/26

Left In: 6.482+/-5.247 χ^2/NDF:17.4/22

Left: 6.670+/-3.704 χ^2/NDF: 54.3/46

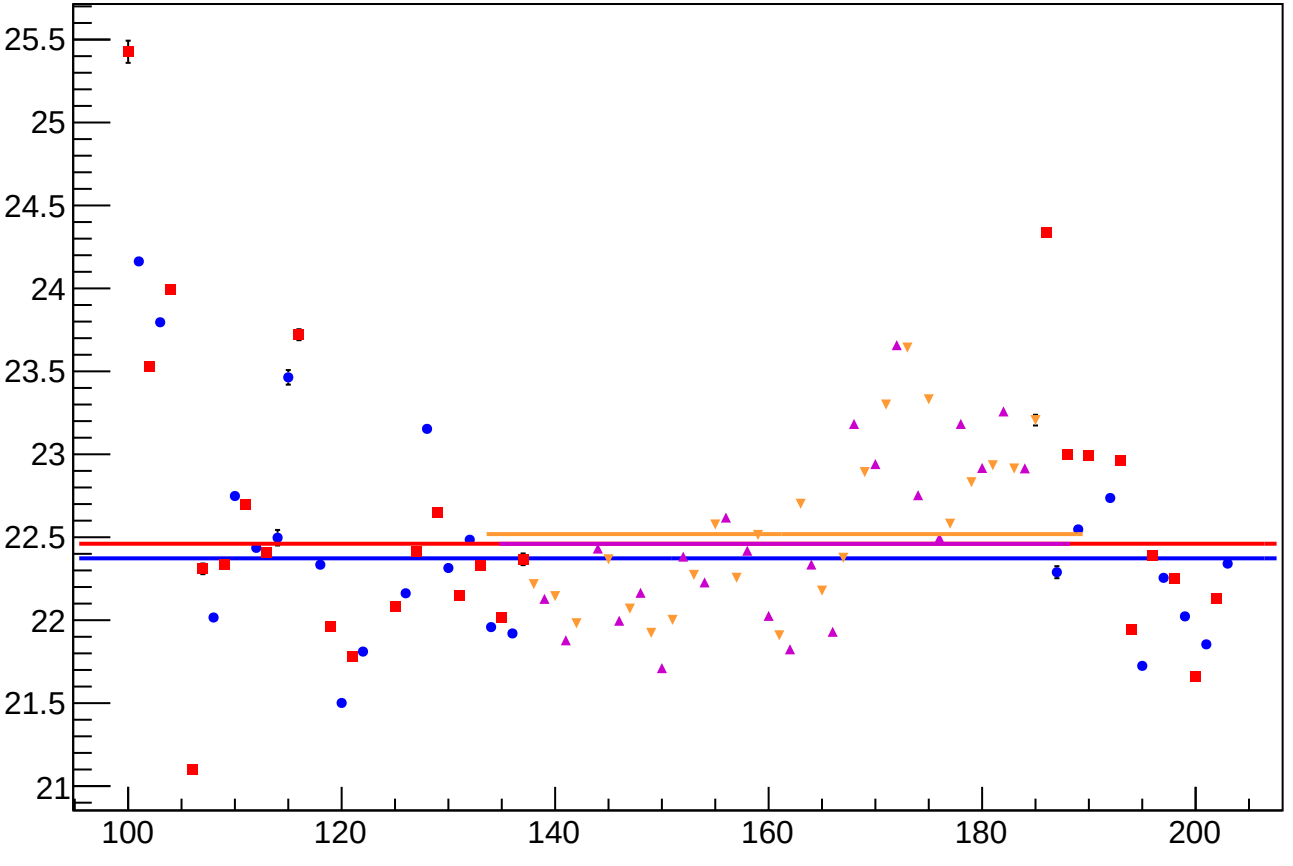
Right: 2.469+/-4.282 χ^2/NDF: 44.3/50

In: 2.386+/-3.992 χ^2/NDF:40.7/46

Out: 7.283+/-3.931 χ^2/NDF:57.7/50

All: 4.872+/-2.801 χ^2/NDF: 99.1/97

asym_bcm_dg_us_an_us_dd_rms vs Slug, Sign Corrected



Right In: 22.373+/-0.004 χ^2/NDF: 20132.5/23

Left Out: 22.519+/-0.004 χ^2/NDF:15998.2/23

Right Out: 22.461+/-0.004 χ^2/NDF: 26591.1/26

Left In: 22.460+/-0.004 χ^2/NDF:19117.2/22

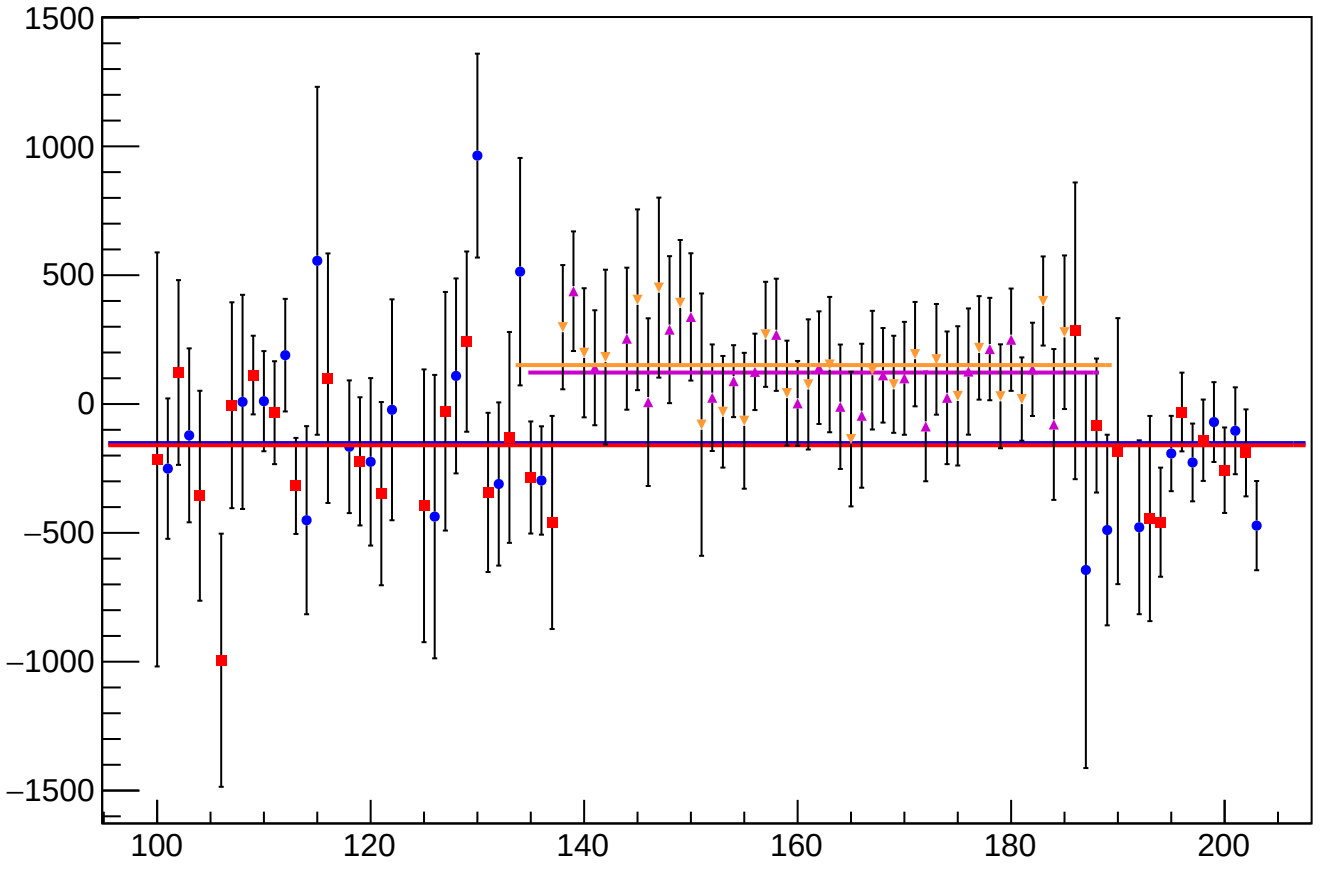
Left: 22.490+/-0.003 χ^2/NDF: 35241.2/46

Right: 22.418+/-0.003 χ^2/NDF: 46934.6/50

In: 22.423+/-0.003 χ^2/NDF:39483.0/46

Out: 22.494+/-0.003 χ^2/NDF:42696.7/50

All: 22.459+/-0.002 χ^2/NDF: 82494.3/97



Right In: -151.570+/-50.750 χ^2/NDF: 23.3/23

Left Out: 151.108+/-47.316 χ^2/NDF:10.0/23

Right Out: -160.007+/-49.071 χ^2/NDF: 15.9/26

Left In: 122.165+/-44.006 χ^2/NDF:7.5/22

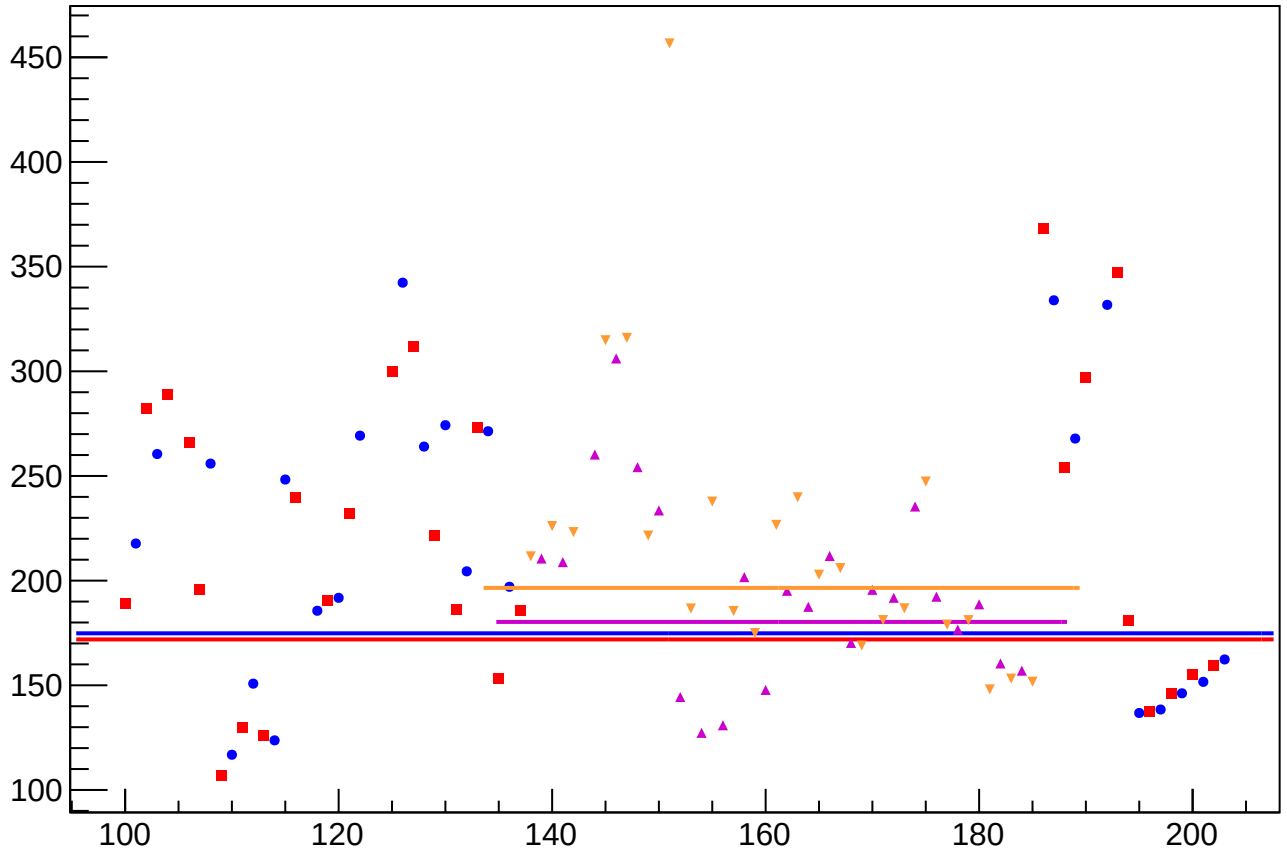
Left: 135.589+/-32.224 χ^2/NDF: 17.6/46

Right: -155.931+/-35.277 χ^2/NDF: 39.3/50

In: 4.681+/-33.248 χ^2/NDF:47.4/46

Out: 1.213+/-34.061 χ^2/NDF:46.7/50

All: 2.989+/-23.792 χ^2/NDF: 94.1/97



Right In: 174.839+/-0.036 χ^2/NDF: 2197765.7/23

Left Out: 196.533+/-0.033 χ^2/NDF:1727888.6/23

Right Out: 171.926+/-0.035 χ^2/NDF: 2727497.2/26

Left In: 180.274+/-0.031 χ^2/NDF:1624682.7/22

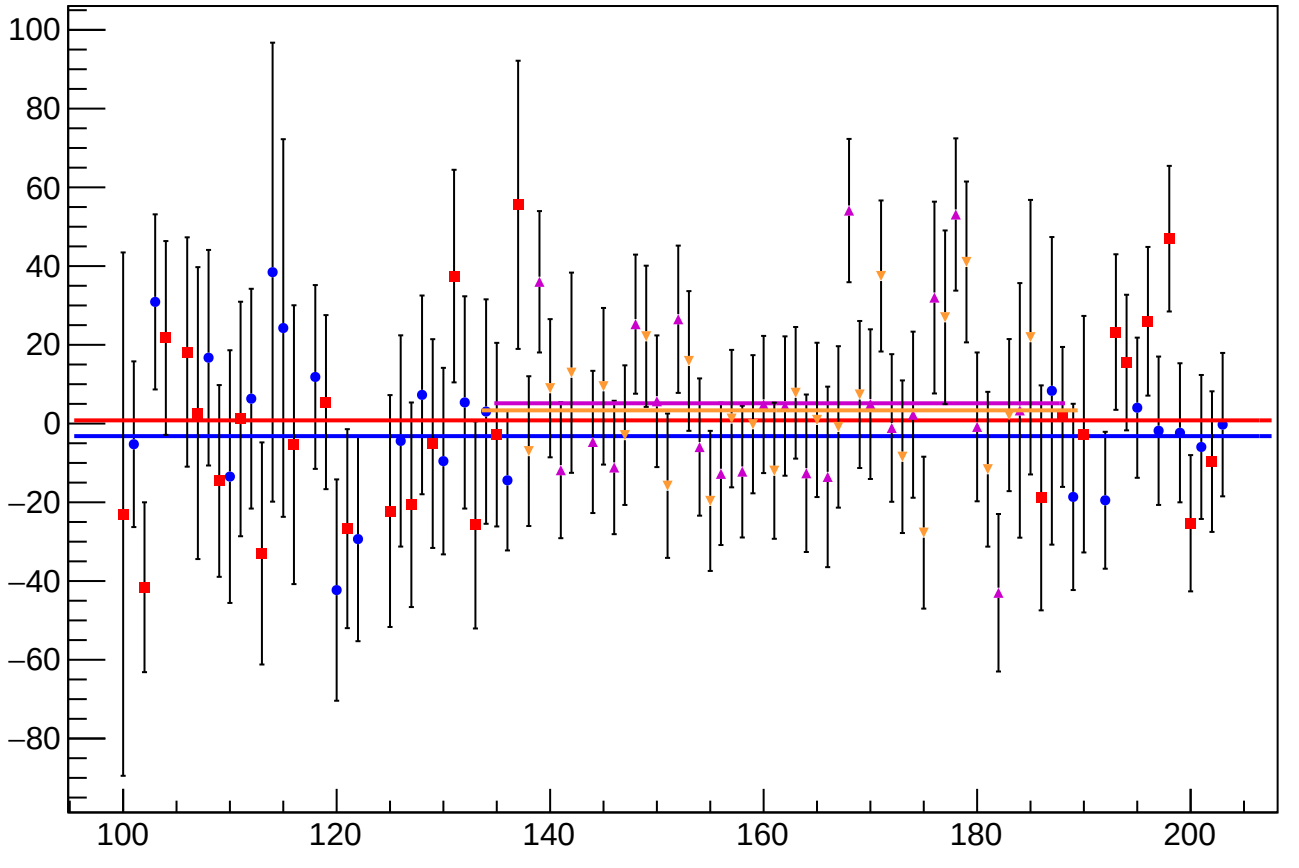
Left: 187.815+/-0.023 χ^2/NDF: 3479198.8/46

Right: 173.334+/-0.025 χ^2/NDF: 4928668.4/50

In: 177.942+/-0.024 χ^2/NDF:3835543.2/46

Out: 184.678+/-0.024 χ^2/NDF:4716007.8/50

All: 181.228+/-0.017 χ^2/NDF: 8591606.5/97



Right In: -3.191+/-4.735 χ^2/NDF: 9.7/23

Left Out: 3.359+/-3.905 χ^2/NDF:17.7/23

Right Out: 0.810+/-4.588 χ^2/NDF: 27.8/26

Left In: 5.150+/-3.924 χ^2/NDF:32.3/22

Left: 4.250+/-2.768 χ^2/NDF: 50.1/46

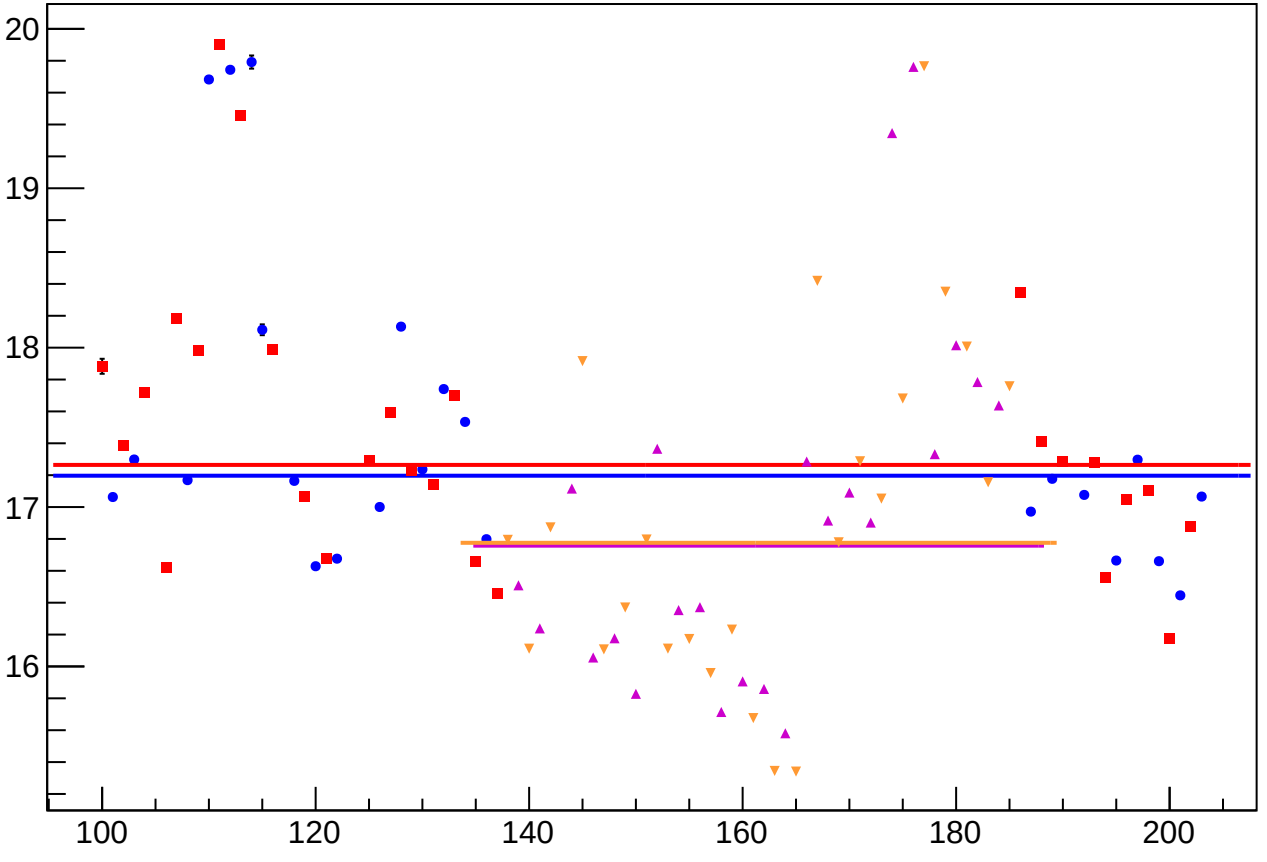
Right: -1.128+/-3.295 χ^2/NDF: 37.8/50

In: 1.754+/-3.021 χ^2/NDF:43.8/46

Out: 2.288+/-2.974 χ^2/NDF:45.6/50

All: 2.025+/-2.119 χ^2/NDF: 89.5/97

asym_bcm_dg_ds_an_us_dd_rms vs Slug, Sign Corrected



Right In: 17.197+/-0.003 χ^2/NDF: 47363.8/23

Left Out: 16.776+/-0.003 χ^2/NDF:136142.5/23

Right Out: 17.264+/-0.003 χ^2/NDF: 53634.3/26

Left In: 16.758+/-0.003 χ^2/NDF:123306.8/22

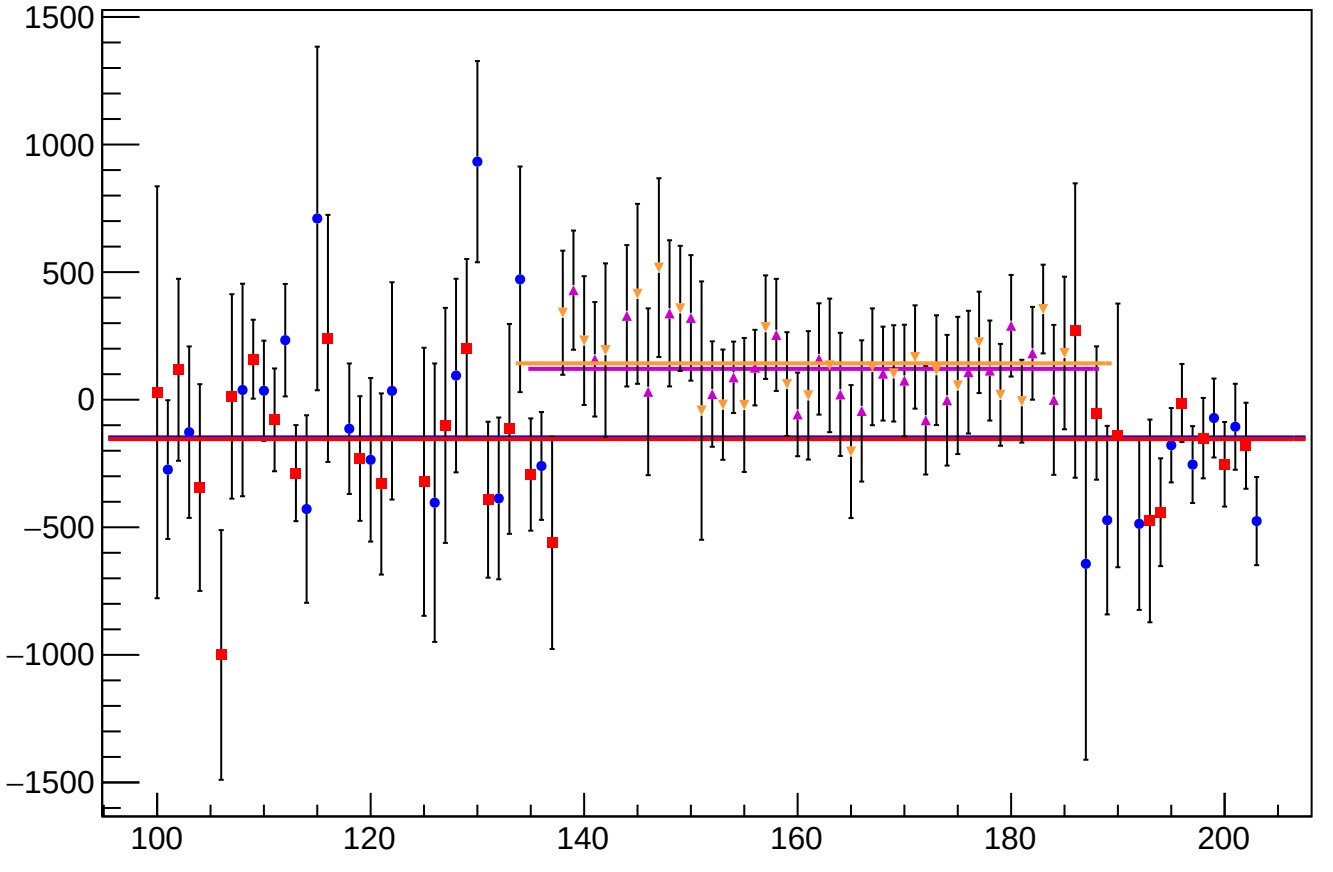
Left: 16.767+/-0.002 χ^2/NDF: 259470.4/46

Right: 17.232+/-0.002 χ^2/NDF: 101209.2/50

In: 16.936+/-0.002 χ^2/NDF:180856.4/46

Out: 16.981+/-0.002 χ^2/NDF:202933.4/50

All: 16.959+/-0.001 χ^2/NDF: 384010.0/97



Right In: -147.686+/-50.738 χ^2/NDF: 24.4/23

Left Out: 142.696+/-47.288 χ^2/NDF:10.2/23

Right Out: -154.240+/-49.163 χ^2/NDF: 17.3/26

Left In: 120.888+/-43.994 χ^2/NDF:8.2/22

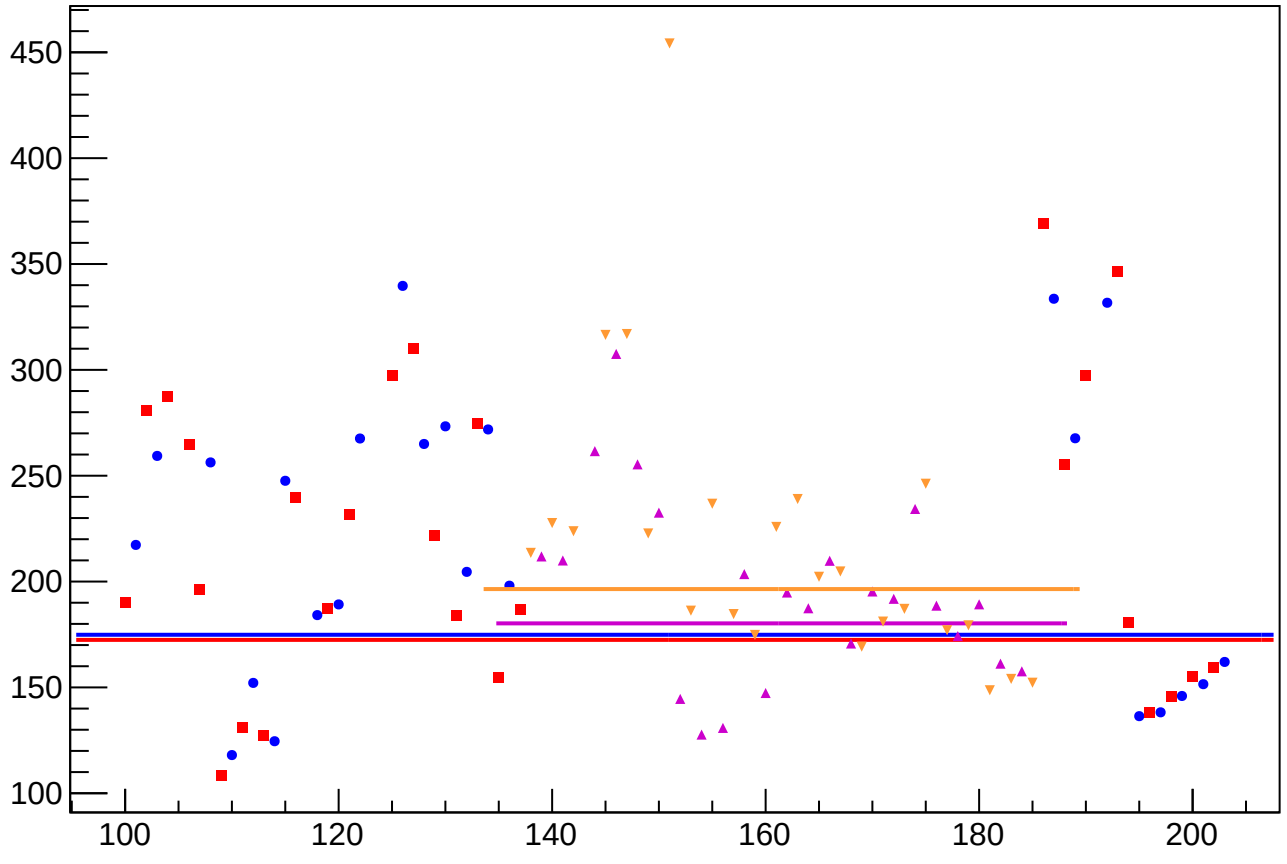
Left: 131.006+/-32.210 χ^2/NDF: 18.5/46

Right: -151.066+/-35.307 χ^2/NDF: 41.7/50

In: 5.622+/-33.239 χ^2/NDF:48.6/46

Out: 0.001+/-34.081 χ^2/NDF:46.4/50

All: 2.882+/-23.796 χ^2/NDF: 95.0/97



Right In: 174.864+/-0.036 χ^2/NDF: 2181103.3/23

Left Out: 196.452+/-0.033 χ^2/NDF:1723529.1/23

Right Out: 172.449+/-0.035 χ^2/NDF: 2673216.1/26

Left In: 180.248+/-0.031 χ^2/NDF:1627777.0/22

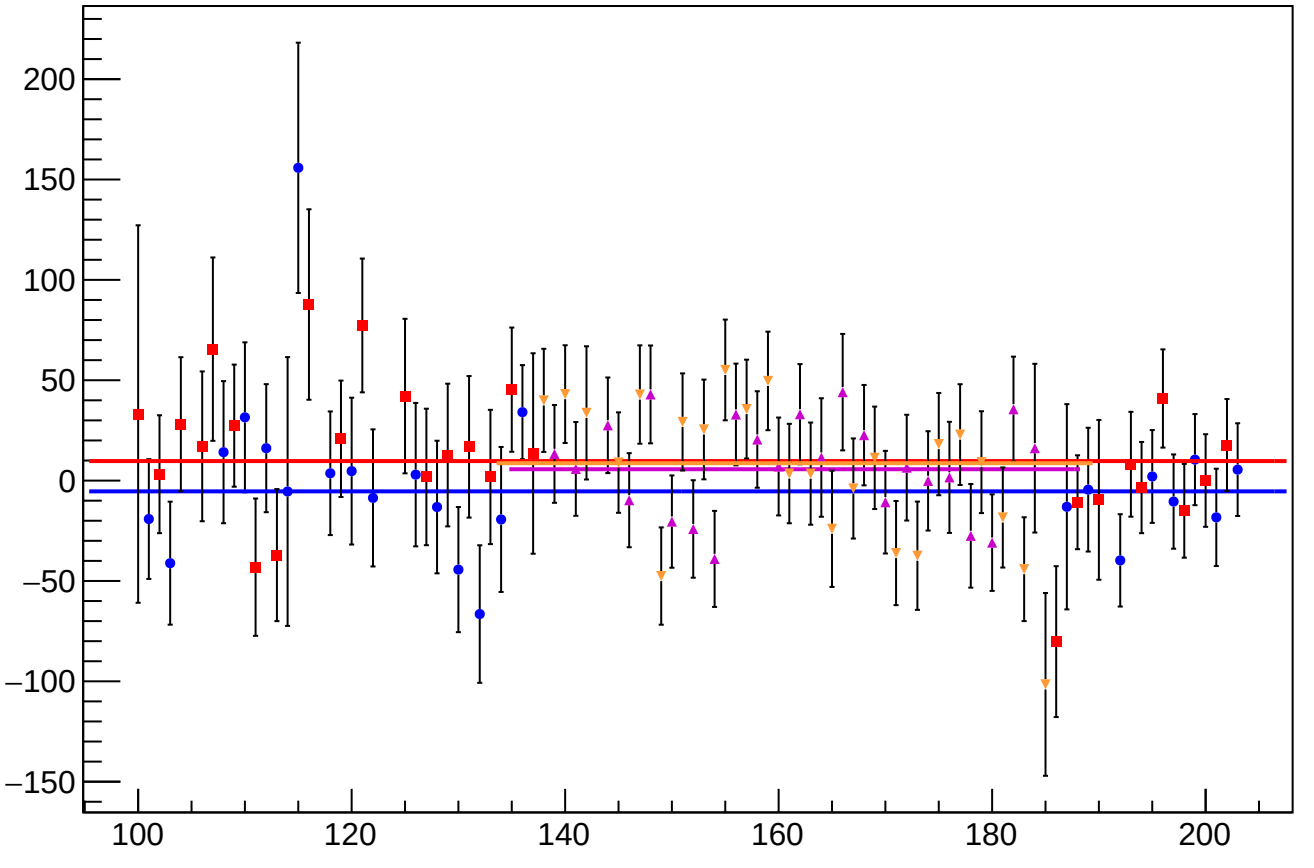
Left: 187.766+/-0.023 χ^2/NDF: 3477190.3/46

Right: 173.618+/-0.025 χ^2/NDF: 4856656.2/50

In: 177.937+/-0.024 χ^2/NDF:3821735.1/46

Out: 184.917+/-0.024 χ^2/NDF:4644377.8/50

All: 181.340+/-0.017 χ^2/NDF: 8509105.8/97



Right In: -5.359+/-6.141 χ^2/NDF: 21.4/23

Left Out: 8.664+/-5.275 χ^2/NDF:39.2/23

Right Out: 9.727+/-5.966 χ^2/NDF: 26.0/26

Left In: 5.668+/-5.286 χ^2/NDF:20.8/22

Left: 7.169+/-3.734 χ^2/NDF: 60.1/46

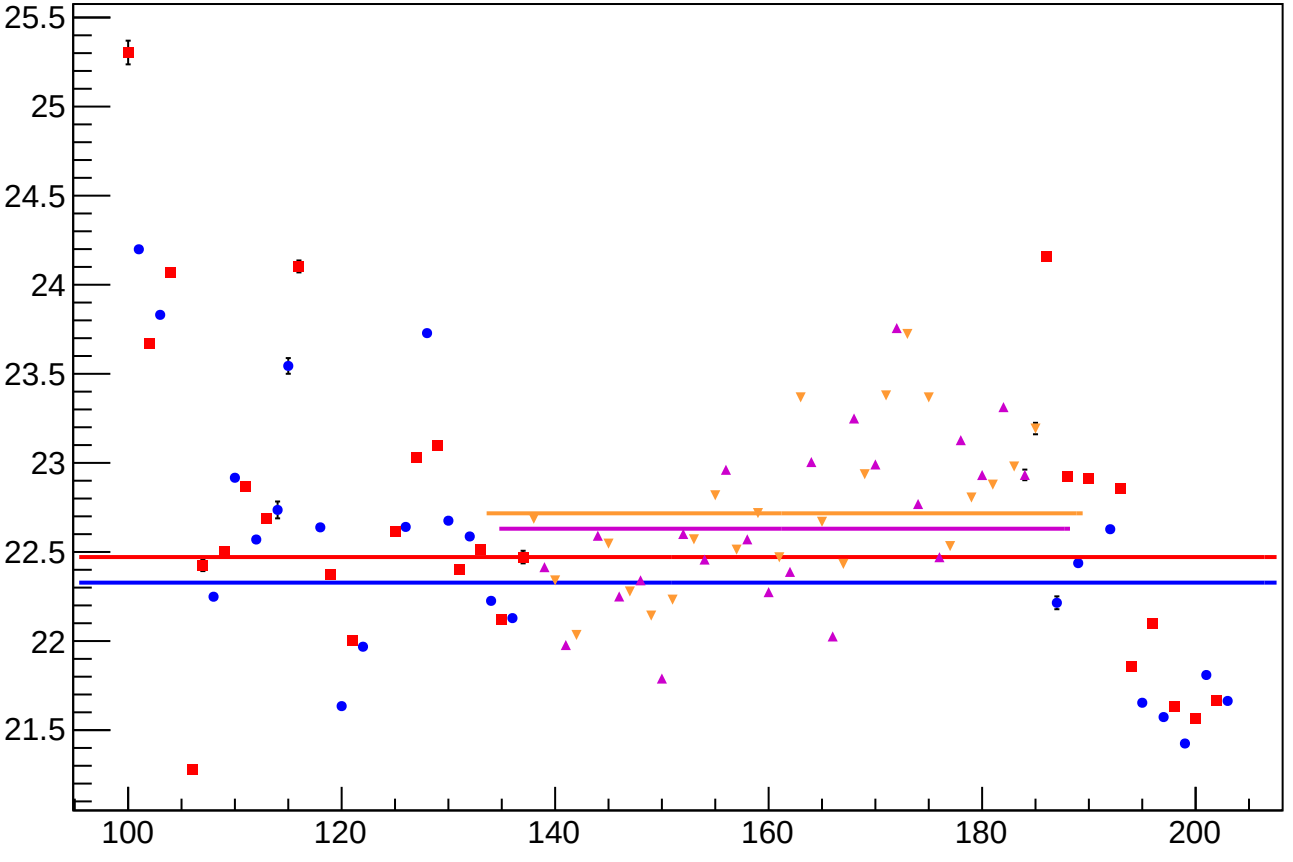
Right: 2.402+/-4.279 χ^2/NDF: 50.5/50

In: 0.975+/-4.006 χ^2/NDF:44.1/46

Out: 9.131+/-3.952 χ^2/NDF:65.2/50

All: 5.108+/-2.813 χ^2/NDF: 111.3/97

asym_bcm_dg_us_an_ds_dd_rms vs Slug, Sign Corrected



Right In: 22.328+/-0.004 χ^2/NDF: 29423.1/23

Left Out: 22.717+/-0.004 χ^2/NDF:12177.5/23

Right Out: 22.471+/-0.004 χ^2/NDF: 31867.6/26

Left In: 22.631+/-0.004 χ^2/NDF:15391.4/22

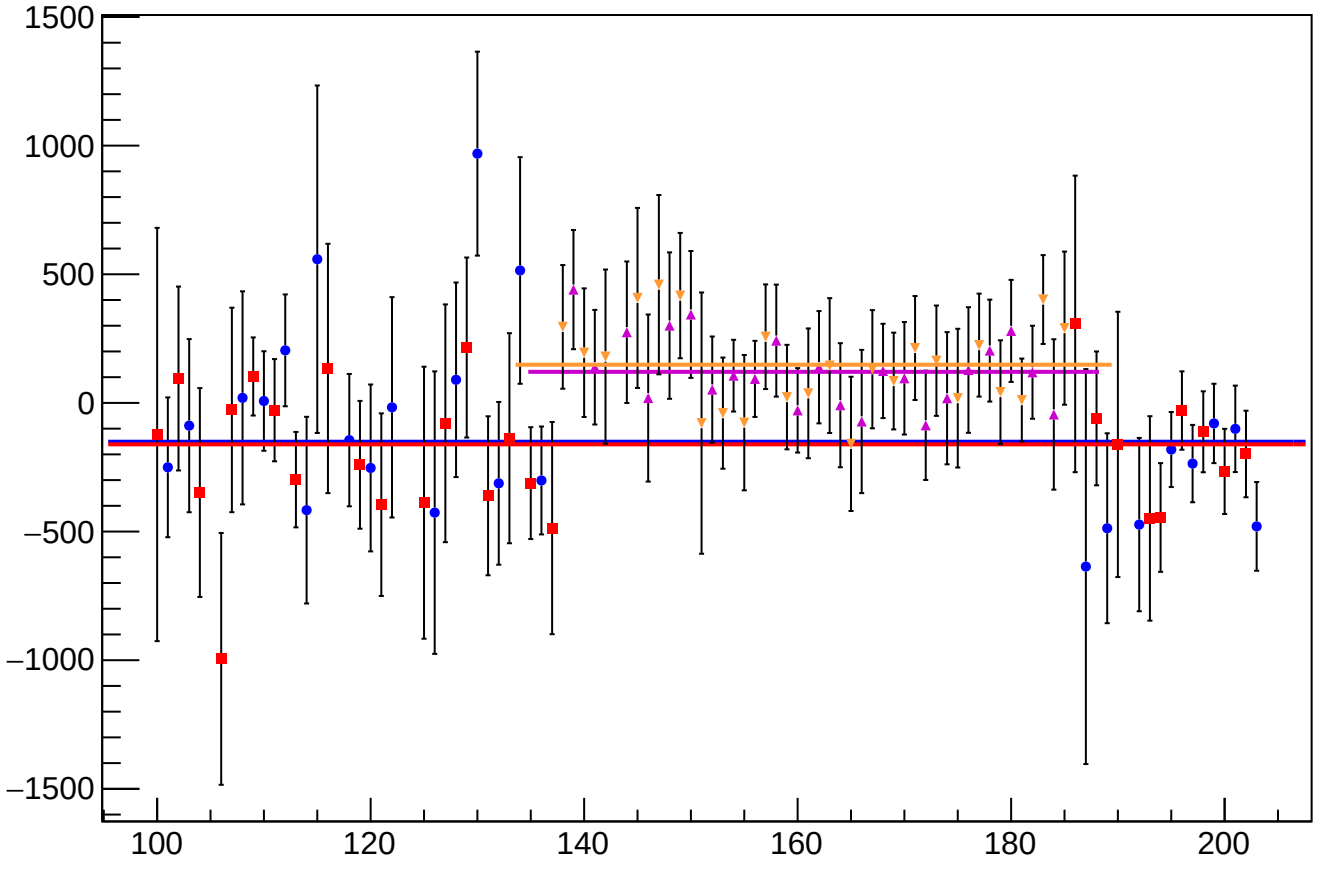
Left: 22.674+/-0.003 χ^2/NDF: 27836.8/46

Right: 22.402+/-0.003 χ^2/NDF: 61853.1/50

In: 22.502+/-0.003 χ^2/NDF:47604.3/46

Out: 22.609+/-0.003 χ^2/NDF:45945.7/50

All: 22.556+/-0.002 χ^2/NDF: 94280.4/97



Right In: -150.855+/-50.587 χ^2/NDF: 23.7/23

Left Out: 148.424+/-47.213 χ^2/NDF:10.9/23

Right Out: -161.075+/-48.924 χ^2/NDF: 16.0/26

Left In: 120.760+/-43.920 χ^2/NDF:7.9/22

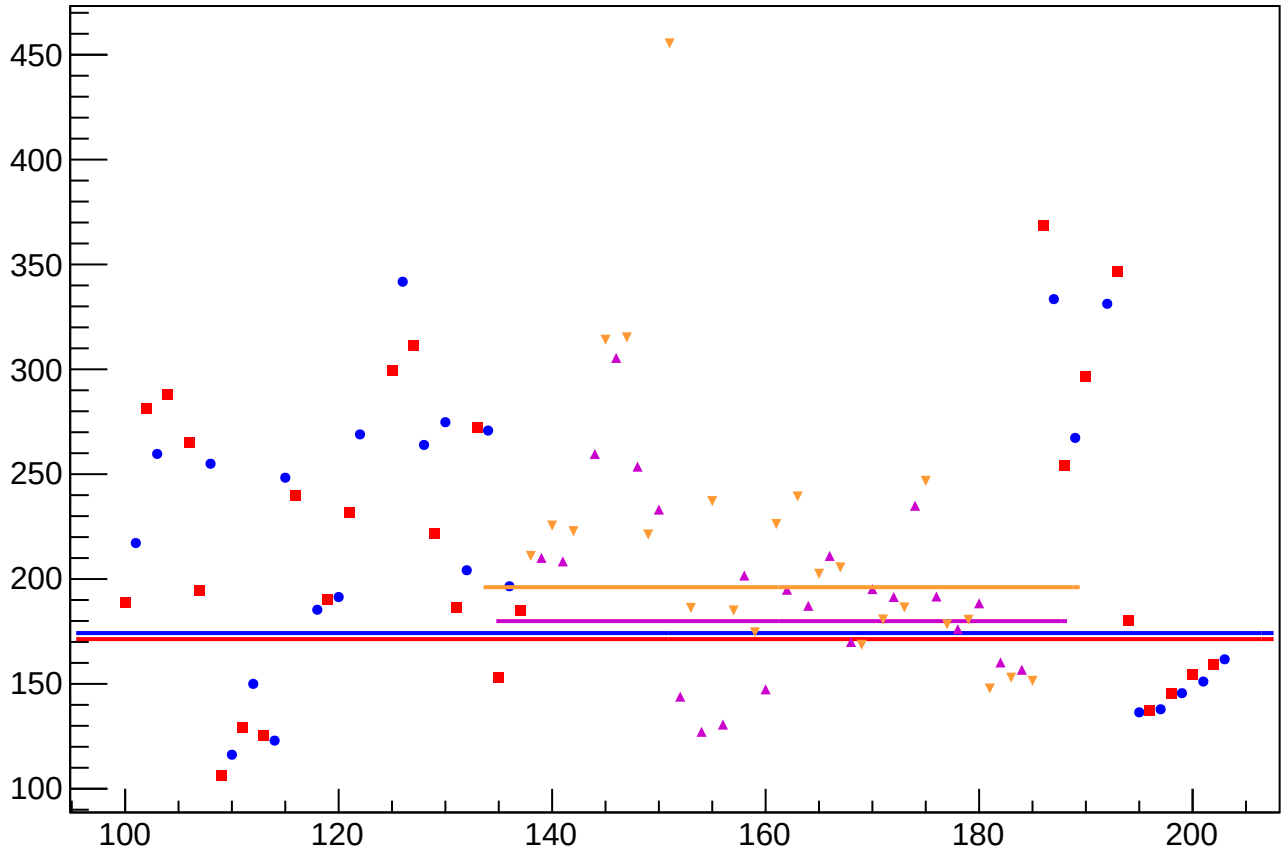
Left: 133.593+/-32.157 χ^2/NDF: 19.0/46

Right: -156.136+/-35.168 χ^2/NDF: 39.7/50

In: 4.020+/-33.165 χ^2/NDF:48.0/46

Out: -0.819+/-33.974 χ^2/NDF:47.6/50

All: 1.659+/-23.732 χ^2/NDF: 95.6/97



Right In: 174.230+/-0.036 χ^2/NDF: 2211716.9/23

Left Out: 196.112+/-0.033 χ^2/NDF:1726285.1/23

Right Out: 171.354+/-0.035 χ^2/NDF: 2745313.9/26

Left In: 179.923+/-0.031 χ^2/NDF:1624144.3/22

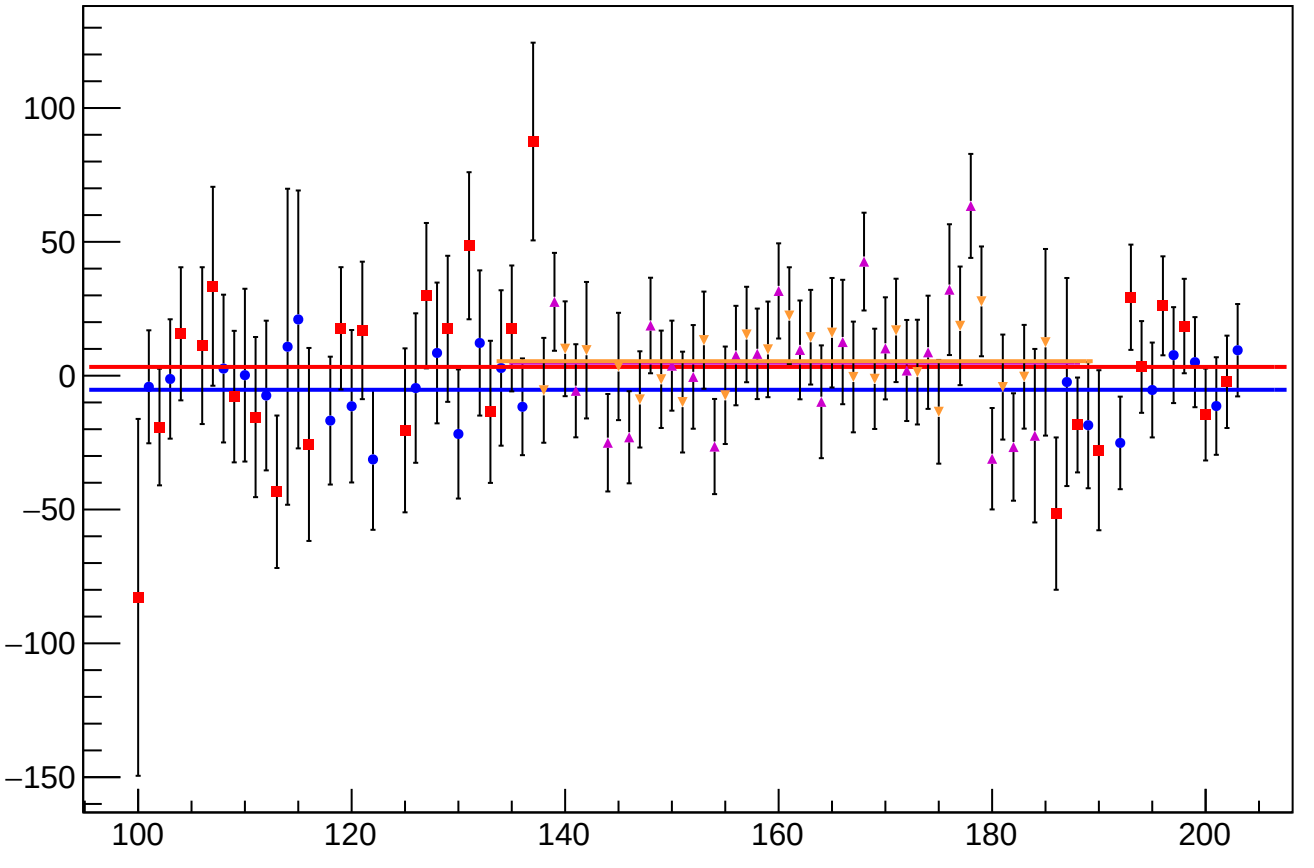
Left: 187.434+/-0.023 χ^2/NDF: 3476487.5/46

Right: 172.744+/-0.025 χ^2/NDF: 4960371.2/50

In: 177.476+/-0.023 χ^2/NDF:3850307.1/46

Out: 184.174+/-0.024 χ^2/NDF:4736806.5/50

All: 180.744+/-0.017 χ^2/NDF: 8626910.0/97



Right In: -5.269+/-4.713 χ^2/NDF: 6.5/23

Left Out: 5.406+/-3.972 χ^2/NDF:7.8/23

Right Out: 3.273+/-4.588 χ^2/NDF: 30.3/26

Left In: 4.858+/-3.980 χ^2/NDF:35.5/22

Left: 5.133+/-2.812 χ^2/NDF: 43.3/46

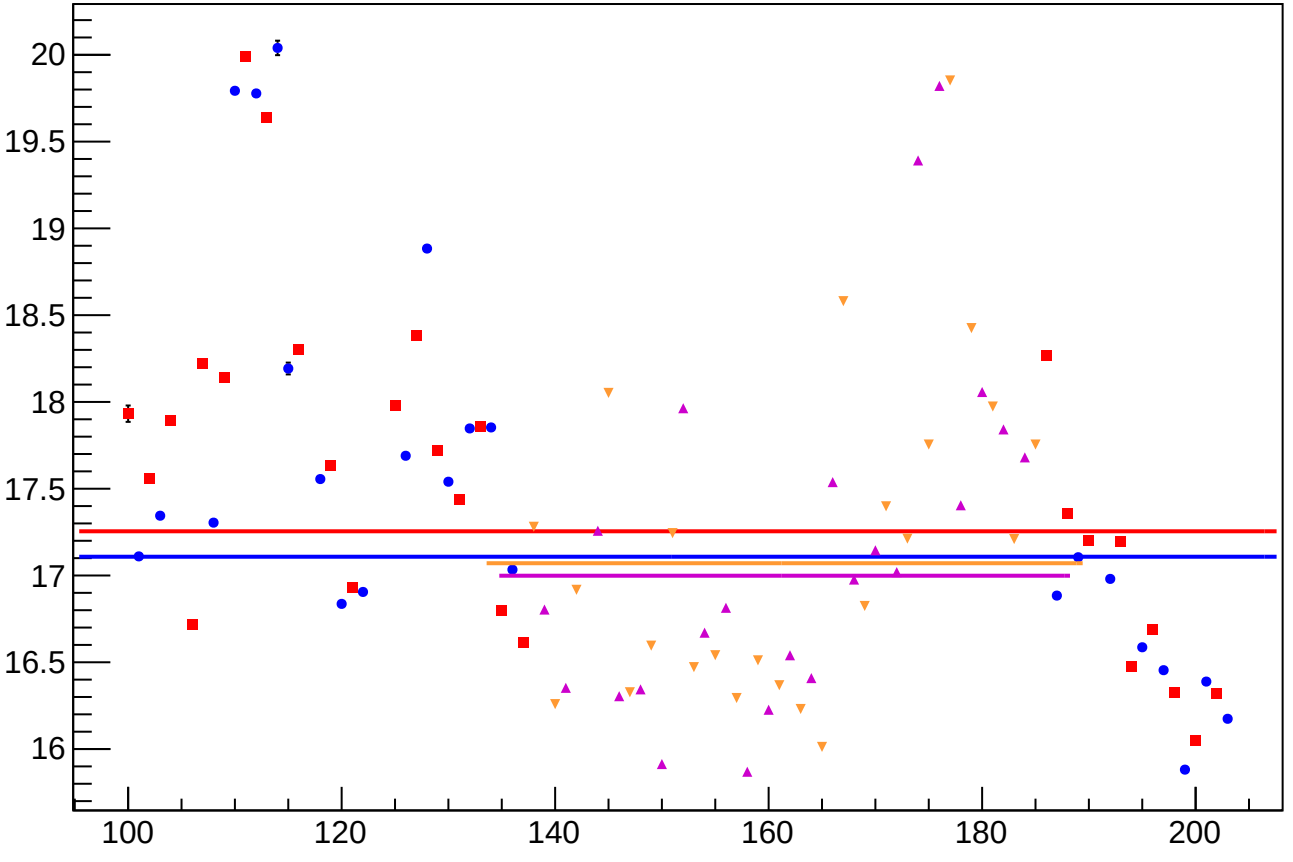
Right: -0.883+/-3.288 χ^2/NDF: 38.5/50

In: 0.642+/-3.041 χ^2/NDF:44.7/46

Out: 4.492+/-3.003 χ^2/NDF:38.2/50

All: 2.591+/-2.137 χ^2/NDF: 83.8/97

asym_bcm_dg_ds_an_ds_dd_rms vs Slug, Sign Corrected



Right In: 17.108+/-0.003 χ^2/NDF: 76971.1/23

Left Out: 17.071+/-0.003 χ^2/NDF:96312.6/23

Right Out: 17.255+/-0.003 χ^2/NDF: 77294.6/26

Left In: 16.999+/-0.003 χ^2/NDF:104021.0/22

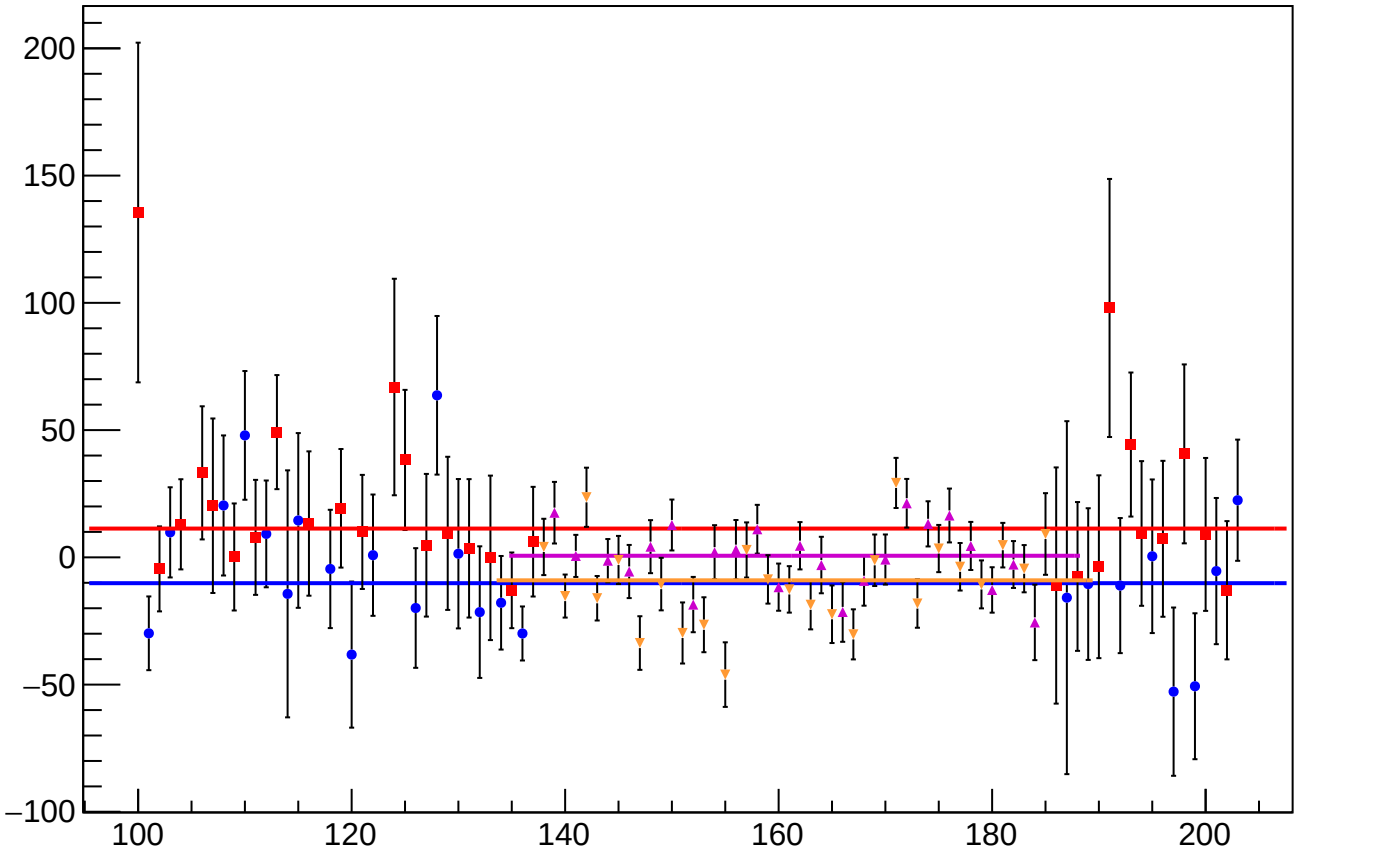
Left: 17.035+/-0.002 χ^2/NDF: 200661.3/46

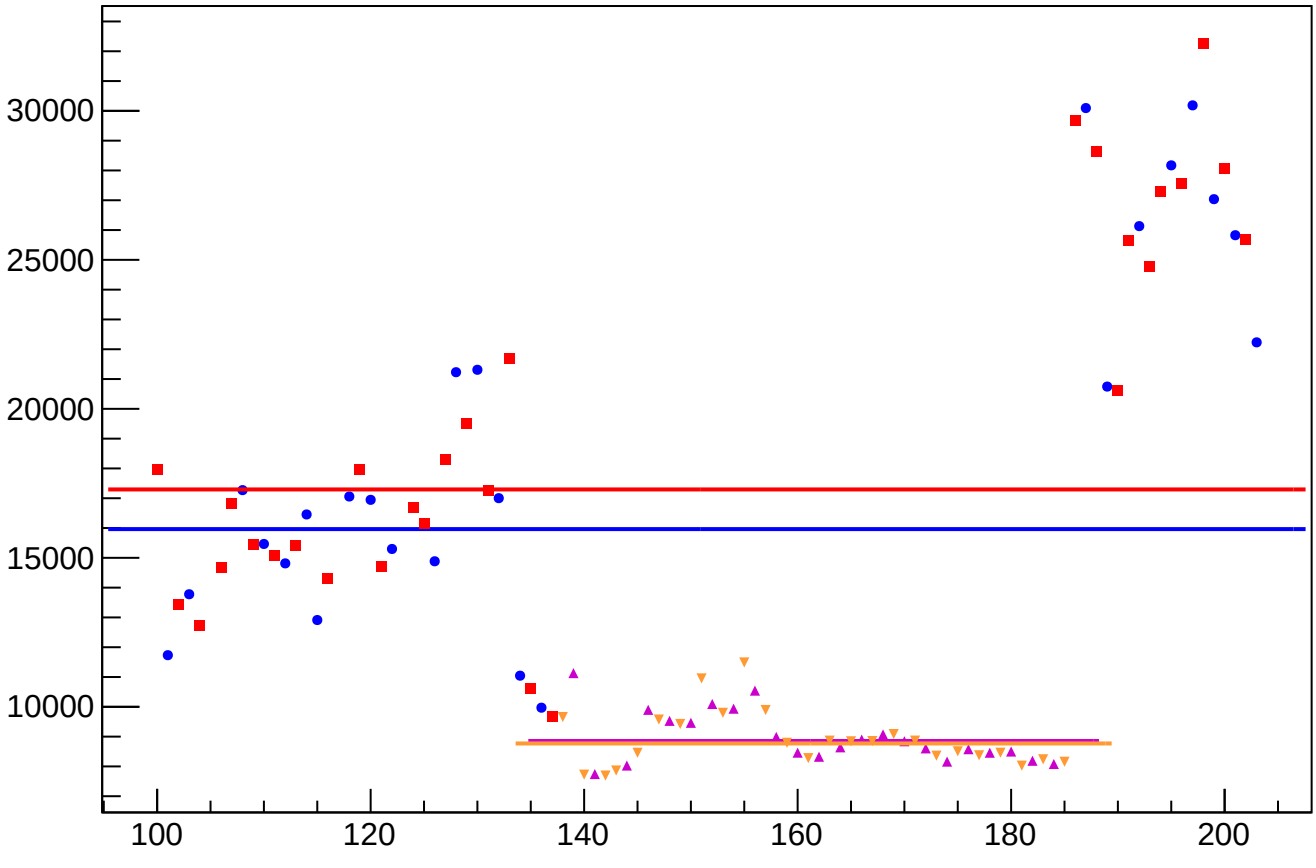
Right: 17.183+/-0.002 χ^2/NDF: 155259.2/50

In: 17.044+/-0.002 χ^2/NDF:181621.1/46

Out: 17.150+/-0.002 χ^2/NDF:175446.2/50

All: 17.098+/-0.002 χ^2/NDF: 358280.8/97


diff_bpm_4aX_4acX_avg_mean vs Slug, Sign Corrected
200
150
100
50
0
−50
−100
100
120
140
160
180
200
Right In: -10.148+/-4.688 χ²/NDF: 27.7/23
Left Out: -9.027+/-2.006 χ²/NDF:62.0/24
Right Out: 11.311+/-4.797 χ²/NDF: 20.7/28
Left In: 0.628+/-2.079 χ²/NDF:29.5/22
Left: -4.372+/-1.444 χ²/NDF: 102.7/47
Right: 0.336+/-3.353 χ²/NDF: 58.6/52
In: -1.143+/-1.901 χ²/NDF:61.6/46
Out: -5.999+/-1.851 χ²/NDF:98.0/53
All: -3.635+/-1.326 χ²/NDF: 163.0/100



Right In: 15964.169+/-3.315 χ^2/NDF: 2946793.9/23

Left Out: 8770.330+/-1.419 χ^2/NDF:345180.6/24

Right Out: 17295.207+/-3.392 χ^2/NDF: 3002746.1/28

Left In: 8852.820+/-1.470 χ^2/NDF:299860.4/22

Left: 8810.105+/-1.021 χ^2/NDF: 646671.0/47

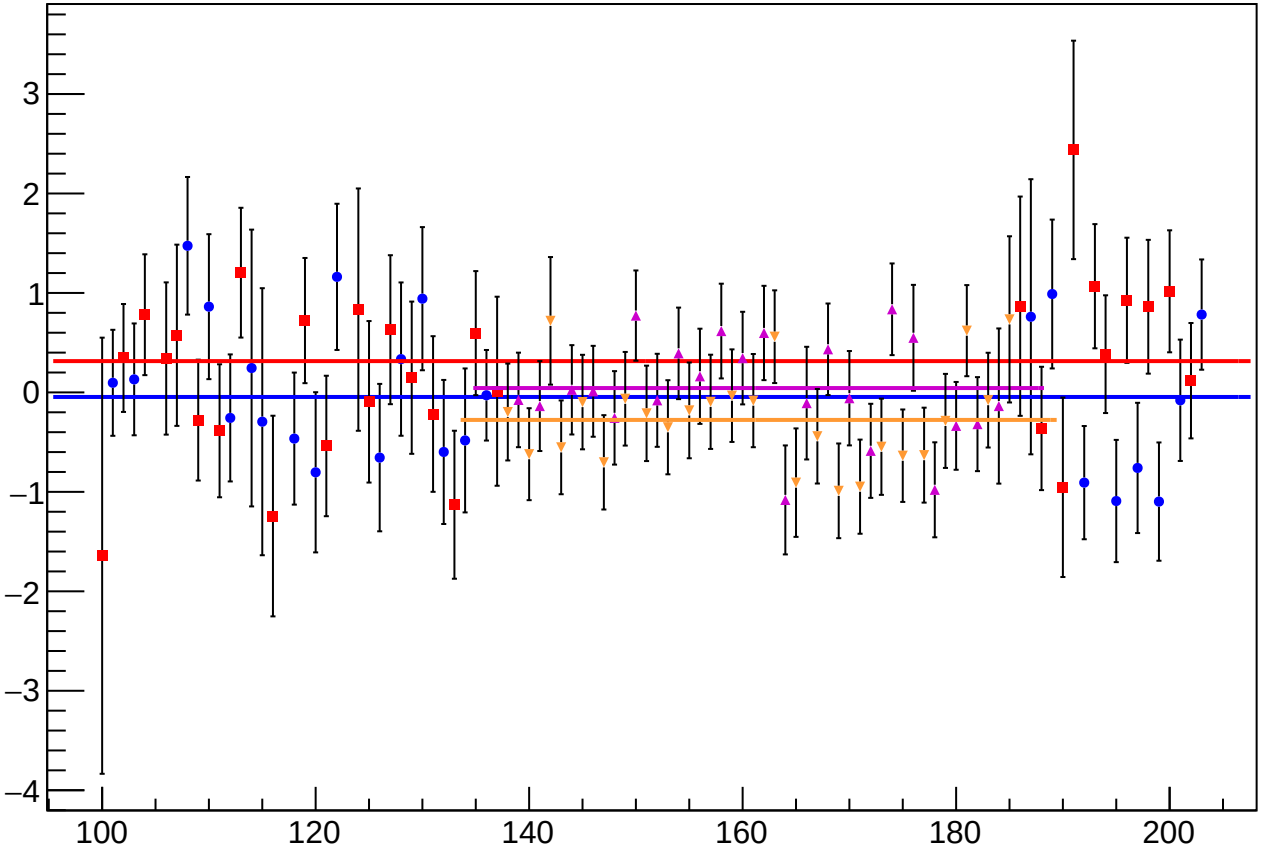
Right: 16614.444+/-2.371 χ^2/NDF: 6028304.0/52

In: 10021.766+/-1.344 χ^2/NDF:7092175.1/46

Out: 10039.807+/-1.309 χ^2/NDF:8724326.9/53

All: 10031.026+/-0.938 χ^2/NDF: 15816594.5

diff_bpm_4aX_4acX_dd_mean vs Slug, Sign Corrected



Right In: -0.046+/-0.137 χ^2/NDF: 28.5/23

Left Out: -0.277+/-0.097 χ^2/NDF:21.0/24

Right Out: 0.315+/-0.134 χ^2/NDF: 26.5/28

Left In: 0.044+/-0.100 χ^2/NDF:23.8/22

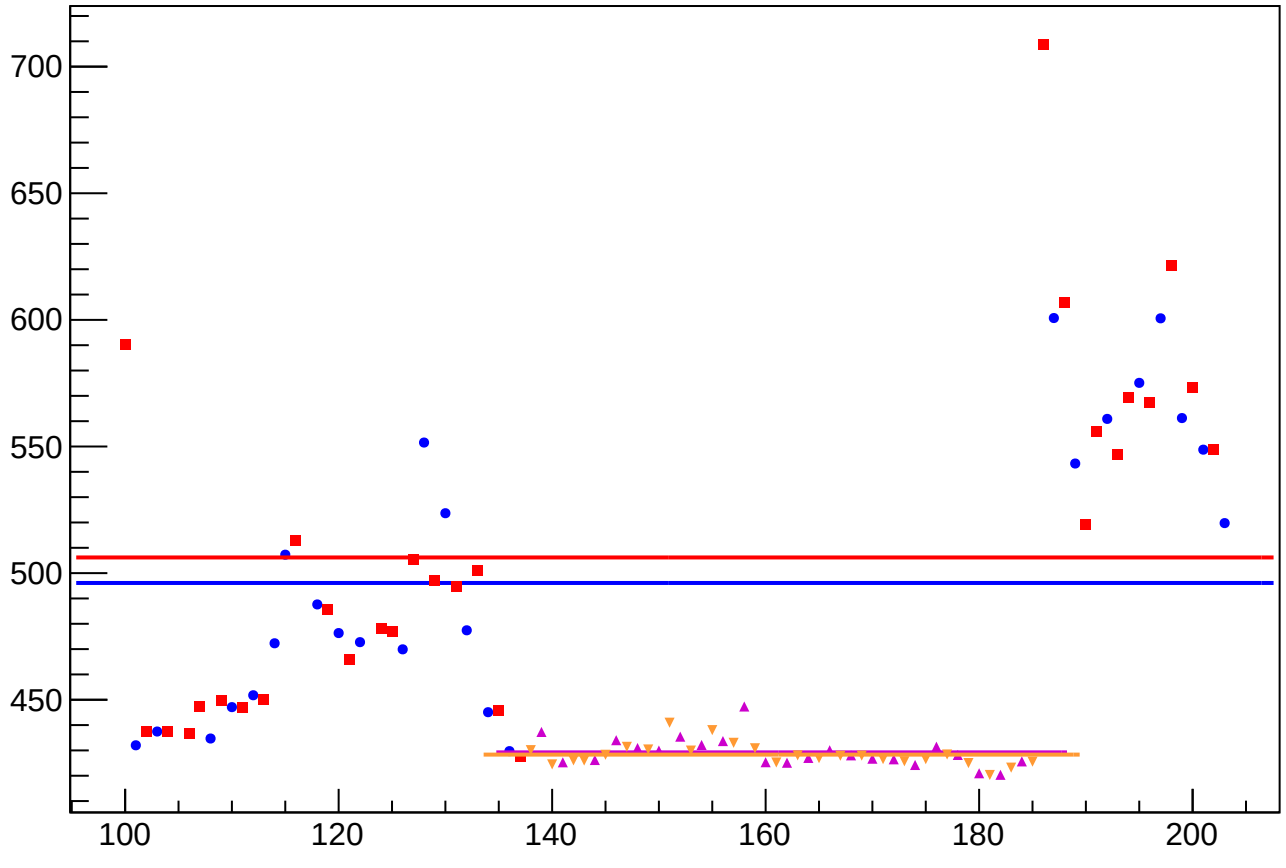
Left: -0.121+/-0.070 χ^2/NDF: 50.1/47

Right: 0.139+/-0.096 χ^2/NDF: 58.5/52

In: 0.013+/-0.081 χ^2/NDF:52.6/46

Out: -0.072+/-0.079 χ^2/NDF:60.3/53

All: -0.031+/-0.056 χ^2/NDF: 113.5/100



Right In: 496.119+/-0.097 χ^2/NDF: 330840.3/23

Left Out: 428.343+/-0.069 χ^2/NDF:4016.5/24

Right Out: 506.190+/-0.094 χ^2/NDF: 447018.5/28

Left In: 429.228+/-0.071 χ^2/NDF:6749.9/22

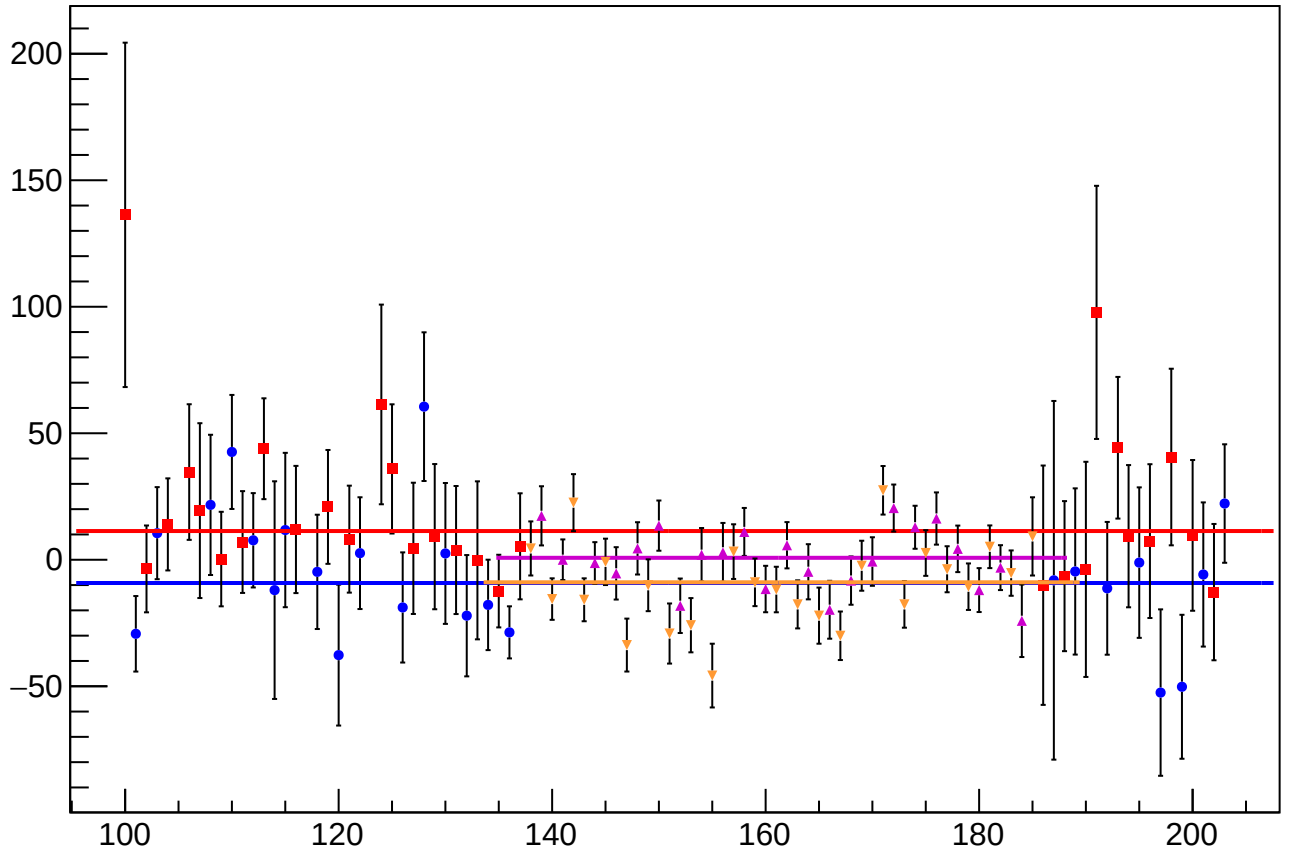
Left: 428.772+/-0.049 χ^2/NDF: 10846.7/47

Right: 501.295+/-0.068 χ^2/NDF: 783390.6/52

In: 452.488+/-0.057 χ^2/NDF:647324.1/46

Out: 455.349+/-0.056 χ^2/NDF:895114.0/53

All: 453.960+/-0.040 χ^2/NDF: 1543723.4/100



Right In: -9.184+/-4.547 χ^2/NDF: 28.0/23

Left Out: -8.904+/-1.961 χ^2/NDF:61.6/24

Right Out: 11.353+/-4.633 χ^2/NDF: 20.5/28

Left In: 0.773+/-2.034 χ^2/NDF:29.3/22

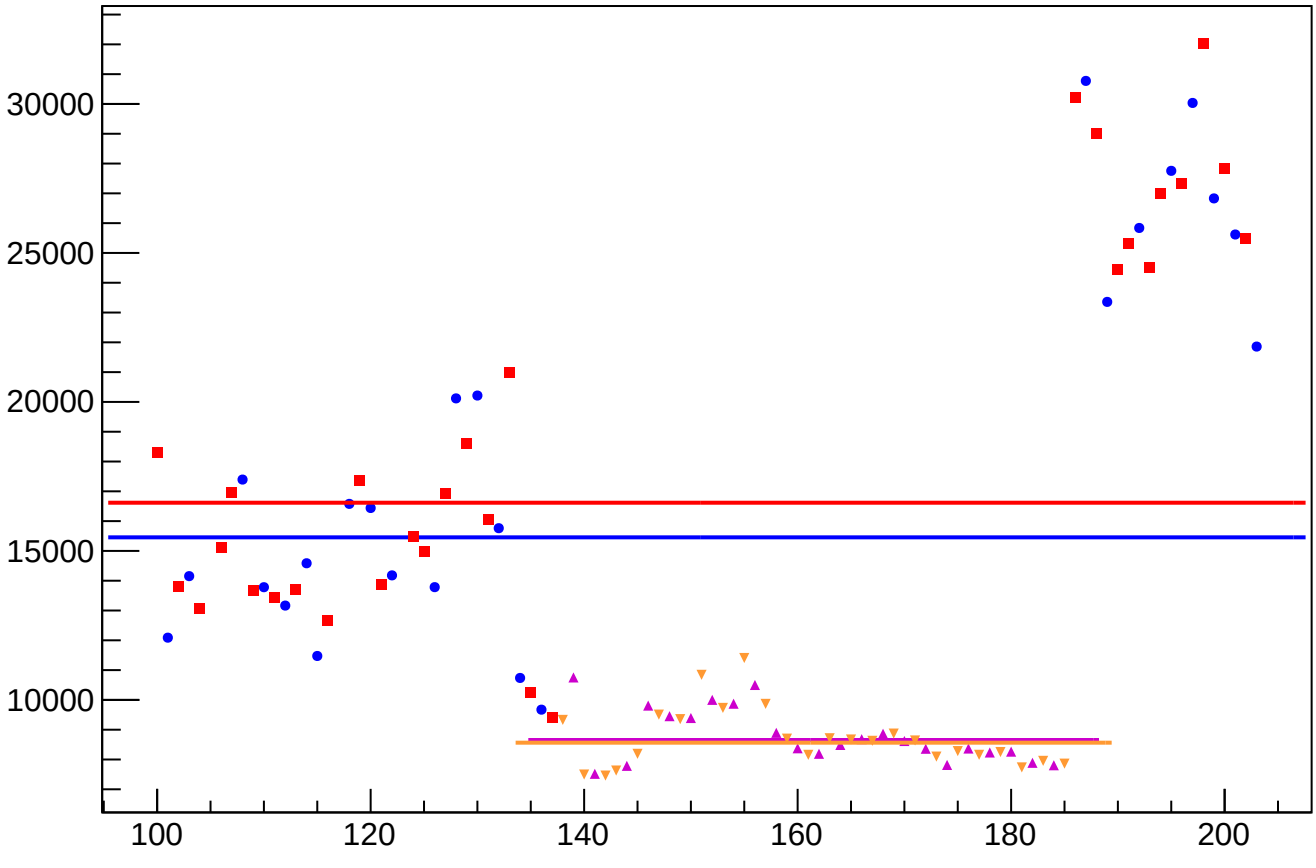
Left: -4.243+/-1.412 χ^2/NDF: 102.6/47

Right: 0.893+/-3.245 χ^2/NDF: 58.5/52

In: -0.887+/-1.857 χ^2/NDF:61.3/46

Out: -5.827+/-1.806 χ^2/NDF:98.2/53

All: -3.426+/-1.294 χ^2/NDF: 163.2/100



Right In: 15455.568+/-3.216 χ^2/NDF: 3084346.1/23

Left Out: 8564.413+/-1.387 χ^2/NDF:400646.9/24

Right Out: 16617.614+/-3.276 χ^2/NDF: 3266577.7/28

Left In: 8654.310+/-1.438 χ^2/NDF:345603.4/22

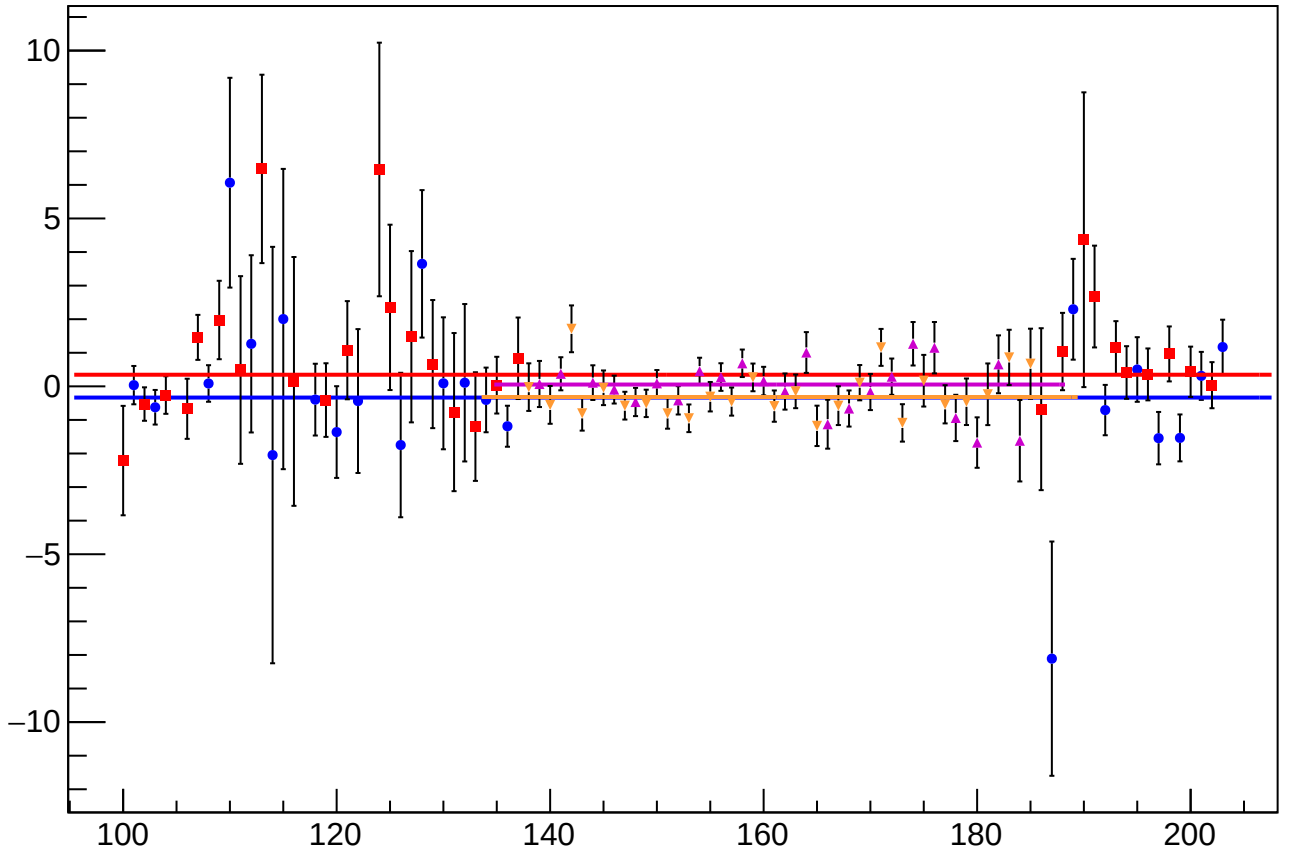
Left: 8607.718+/-0.998 χ^2/NDF: 748275.4/47

Right: 16025.765+/-2.295 χ^2/NDF: 6415007.5/52

In: 9788.079+/-1.313 χ^2/NDF:7157980.2/46

Out: 9787.843+/-1.277 χ^2/NDF:8792157.0/53

All: 9787.958+/-0.915 χ^2/NDF: 15950137.2/1



Right In: -0.334+/-0.191 χ^2/NDF: 31.2/23

Left Out: -0.318+/-0.106 χ^2/NDF:32.3/24

Right Out: 0.346+/-0.187 χ^2/NDF: 28.7/28

Left In: 0.054+/-0.108 χ^2/NDF:29.8/22

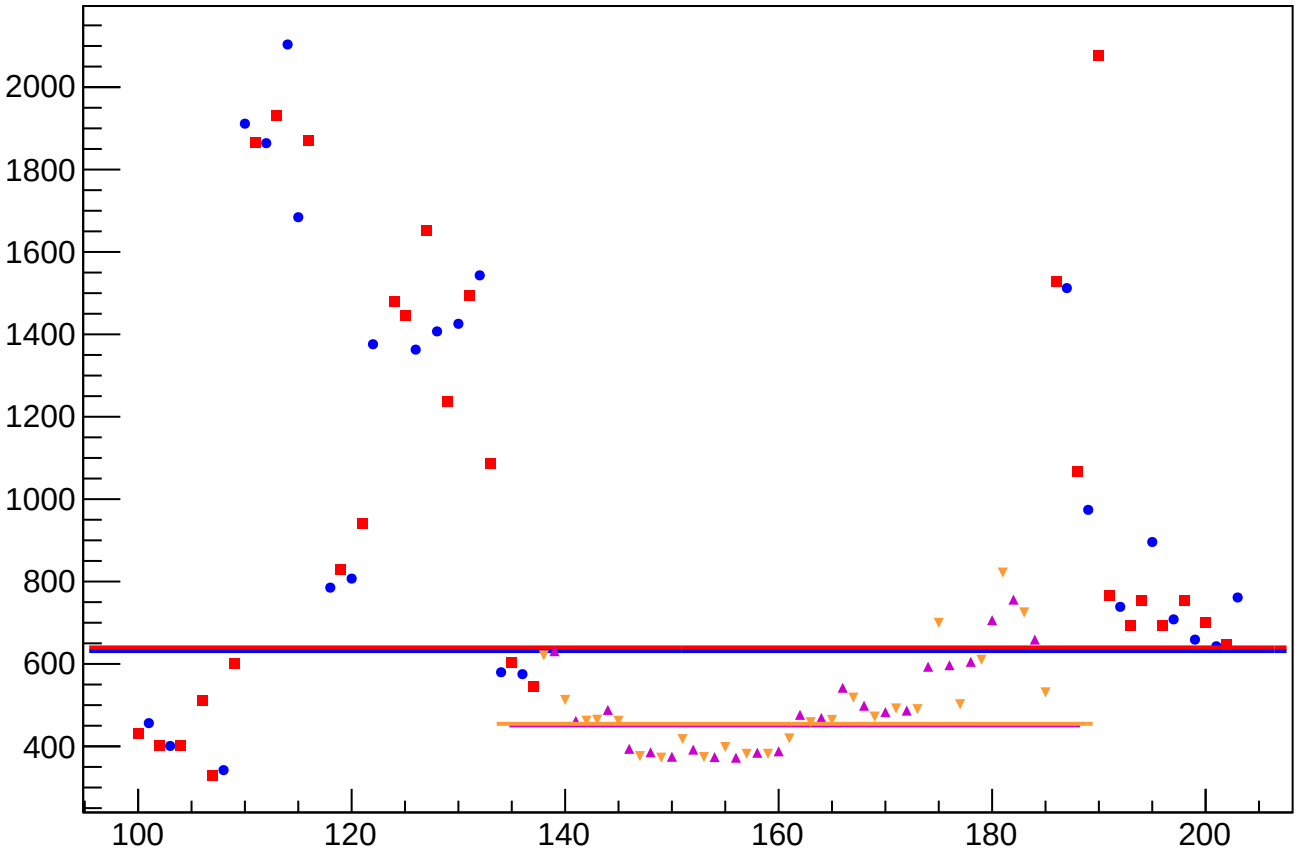
Left: -0.136+/-0.076 χ^2/NDF: 68.1/47

Right: 0.013+/-0.134 χ^2/NDF: 66.4/52

In: -0.040+/-0.094 χ^2/NDF:64.1/46

Out: -0.157+/-0.092 χ^2/NDF:70.5/53

All: -0.100+/-0.066 χ^2/NDF: 135.4/100



Right In: 631.282+/-0.135 χ^2/NDF: 4093825.2/23

Left Out: 454.697+/-0.075 χ^2/NDF:1451363.0/24

Right Out: 640.098+/-0.133 χ^2/NDF: 4644490.8/28

Left In: 450.767+/-0.076 χ^2/NDF:1471497.9/22

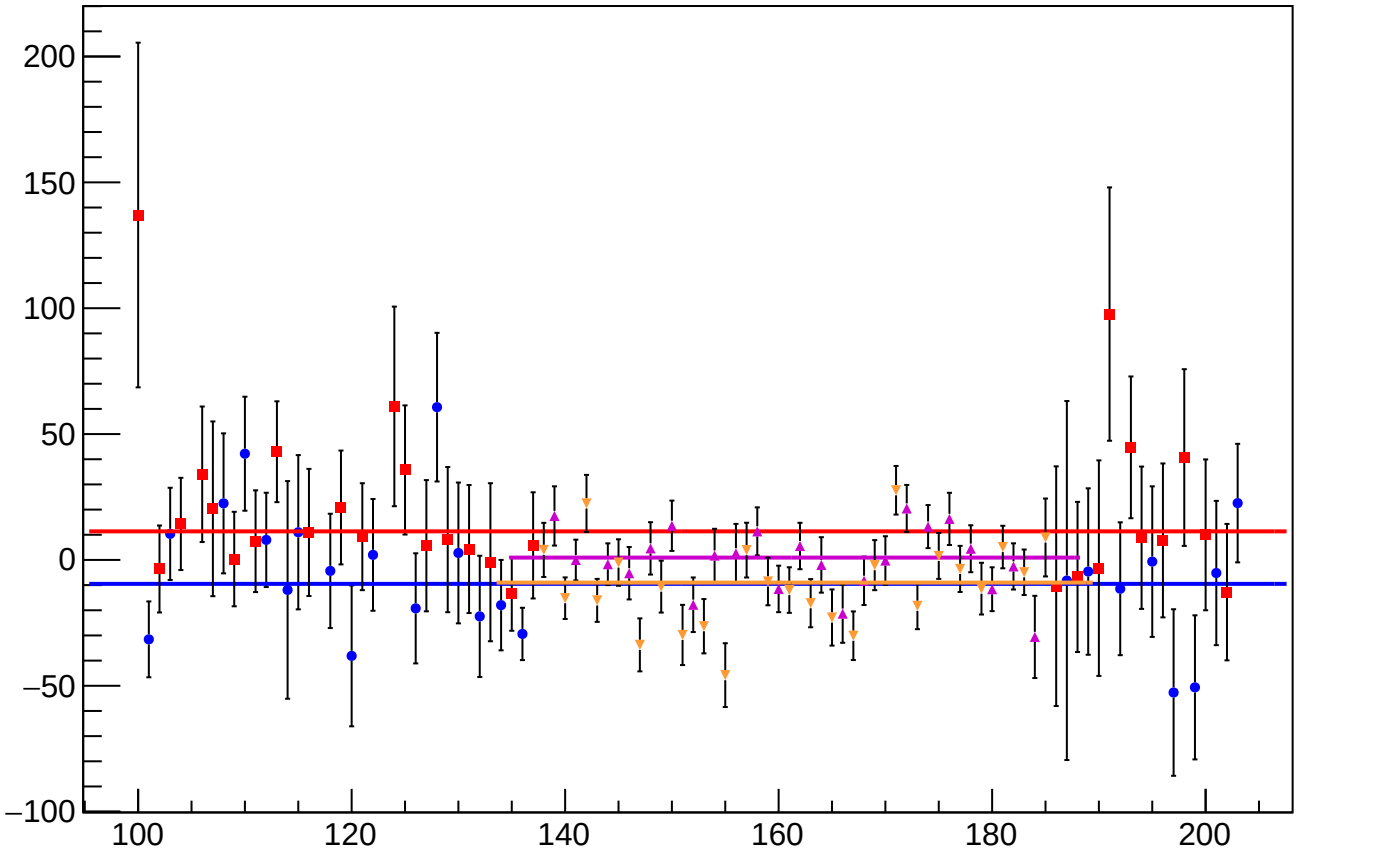
Left: 452.772+/-0.054 χ^2/NDF: 2924208.1/47

Right: 635.779+/-0.095 χ^2/NDF: 8740482.7/52

In: 494.477+/-0.067 χ^2/NDF:6914823.9/46

Out: 499.590+/-0.065 χ^2/NDF:7578043.0/53

All: 497.085+/-0.047 χ^2/NDF: 14495876.2/10



Right In: -9.508+/-4.577 χ^2/NDF: 28.5/23

Left Out: -9.001+/-1.982 χ^2/NDF:61.3/24

Right Out: 11.351+/-4.664 χ^2/NDF: 20.3/28

Left In: 0.925+/-2.056 χ^2/NDF:29.9/22

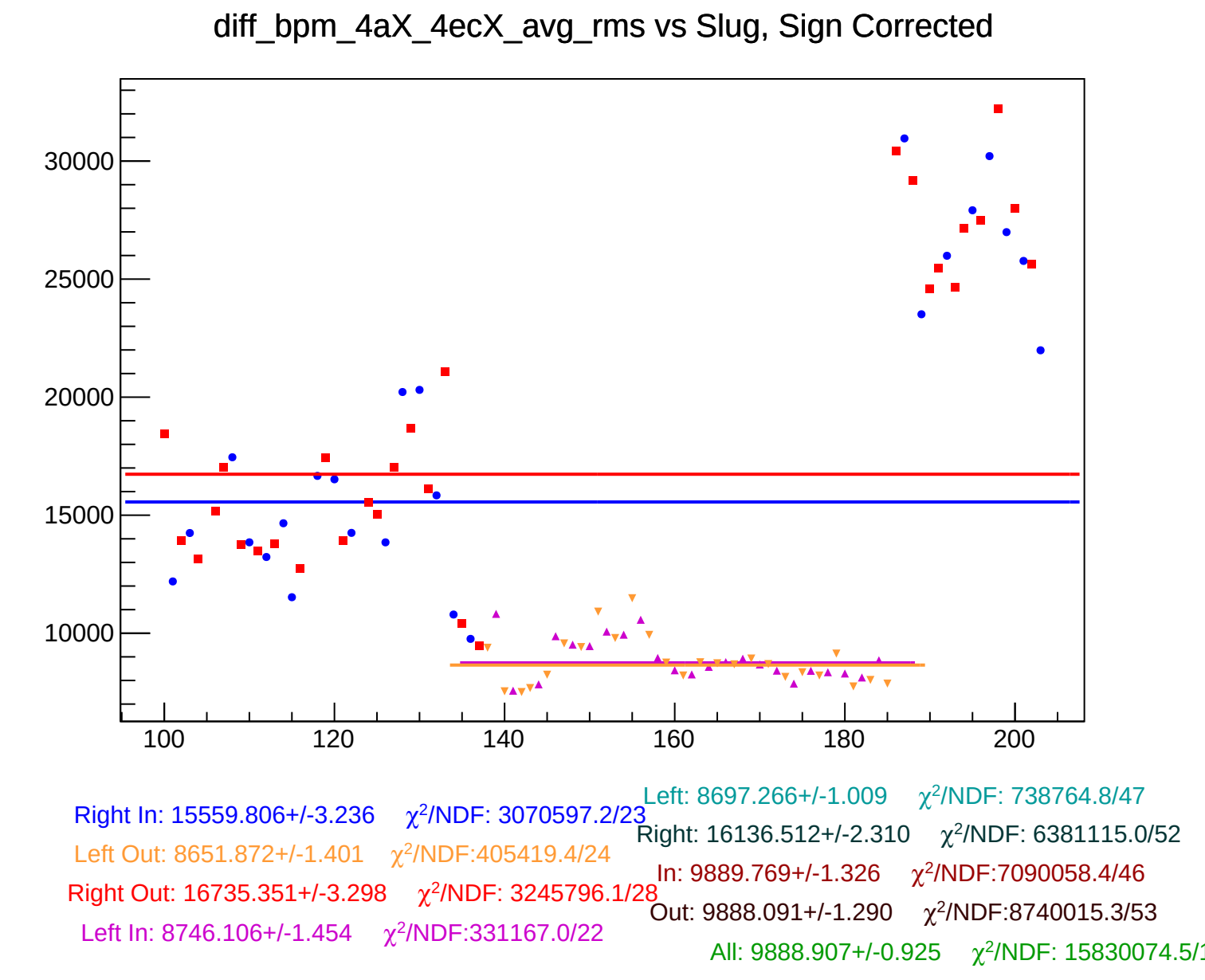
Left: -4.219+/-1.427 χ^2/NDF: 103.2/47

Right: 0.725+/-3.267 χ^2/NDF: 59.0/52

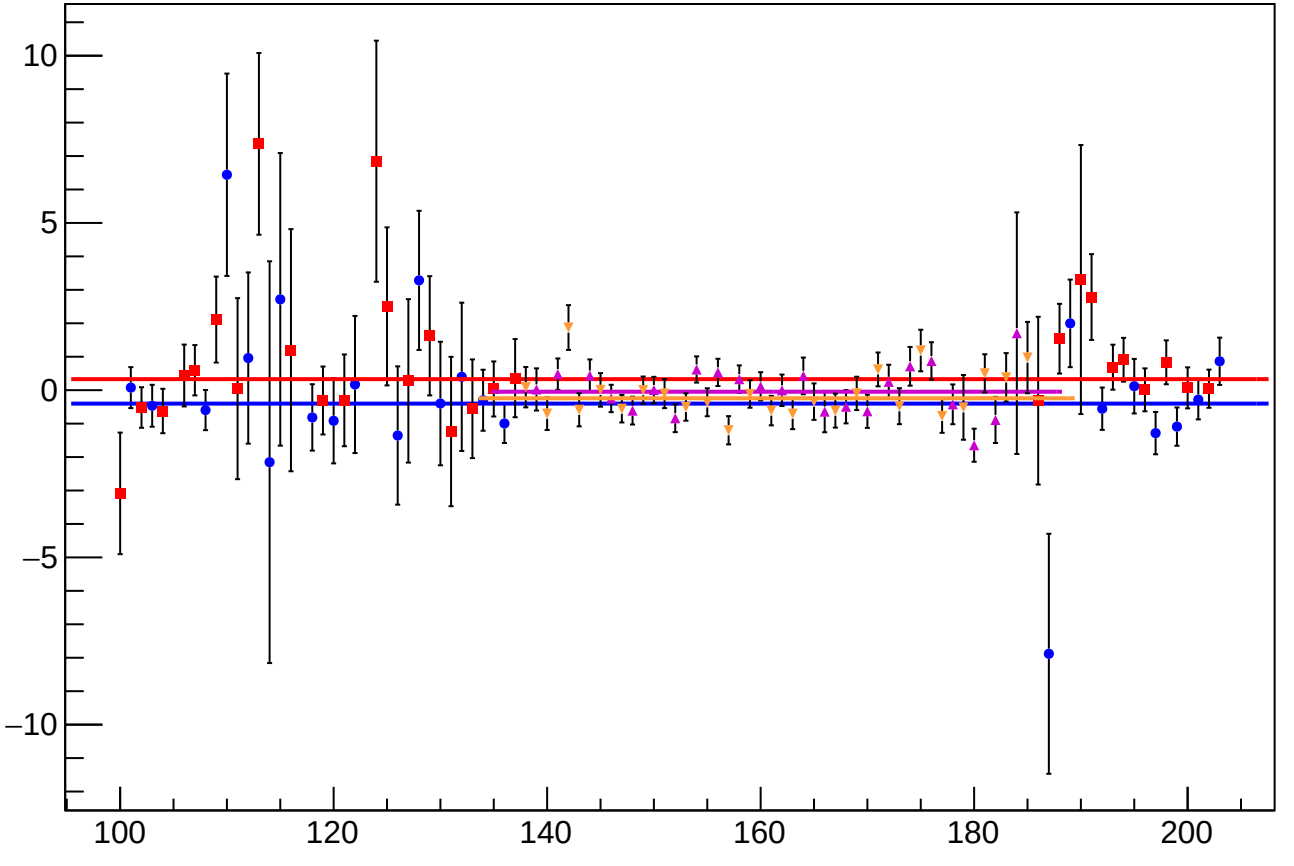
In: -0.826+/-1.875 χ^2/NDF:62.7/46

Out: -5.888+/-1.824 χ^2/NDF:97.7/53

All: -3.427+/-1.307 χ^2/NDF: 164.1/100


diff_bpm_4aX_4ecX_avg_rms vs Slug, Sign Corrected
30000
25000
20000
15000
10000
100
120
140
160
180
200
Right In: 15559.806+/-3.236 χ²/NDF: 3070597.2/23
Left Out: 8651.872+/-1.401 χ²/NDF:405419.4/24
Right Out: 16735.351+/-3.298 χ²/NDF: 3245796.1/28
Left In: 8746.106+/-1.454 χ²/NDF:331167.0/22
Left: 8697.266+/-1.009 χ²/NDF: 738764.8/47
Right: 16136.512+/-2.310 χ²/NDF: 6381115.0/52
In: 9889.769+/-1.326 χ²/NDF:7090058.4/46
Out: 9888.091+/-1.290 χ²/NDF:8740015.3/53
All: 9888.907+/-0.925 χ²/NDF: 15830074.5/1

diff_bpm_4aX_4ecX_dd_mean vs Slug, Sign Corrected



Right In: -0.402+/-0.181 χ^2/NDF: 26.5/23

Left Out: -0.242+/-0.100 χ^2/NDF:34.3/24

Right Out: 0.330+/-0.179 χ^2/NDF: 30.6/28

Left In: -0.047+/-0.102 χ^2/NDF:35.1/22

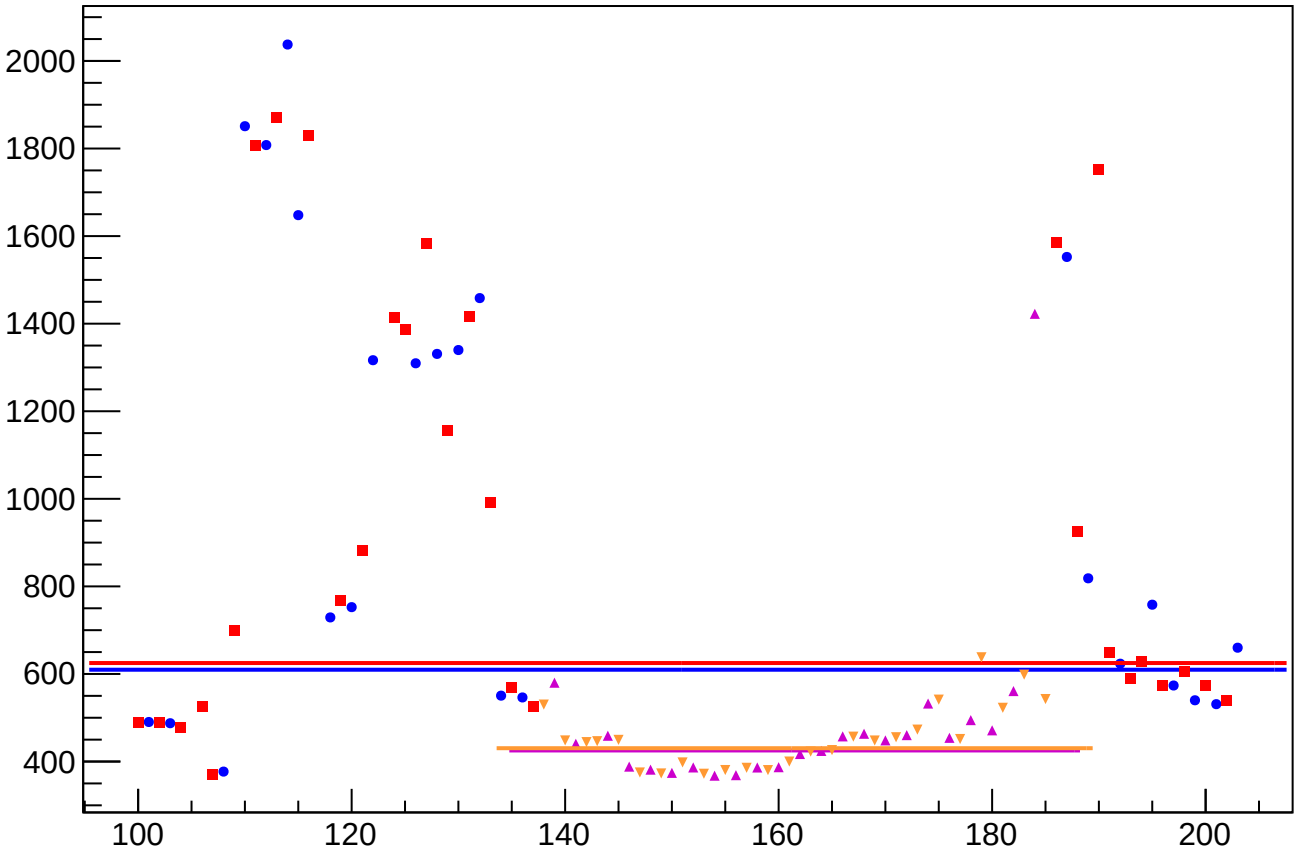
Left: -0.146+/-0.071 χ^2/NDF: 71.2/47

Right: -0.032+/-0.128 χ^2/NDF: 65.3/52

In: -0.131+/-0.089 χ^2/NDF:64.4/46

Out: -0.106+/-0.087 χ^2/NDF:72.6/53

All: -0.119+/-0.062 χ^2/NDF: 137.1/100



Right In: 609.672+/-0.128 χ^2/NDF: 3190743.9/23

Left Out: 430.437+/-0.071 χ^2/NDF:648114.1/24

Right Out: 624.959+/-0.127 χ^2/NDF: 3488380.6/28

Left In: 425.312+/-0.072 χ^2/NDF:716953.2/22

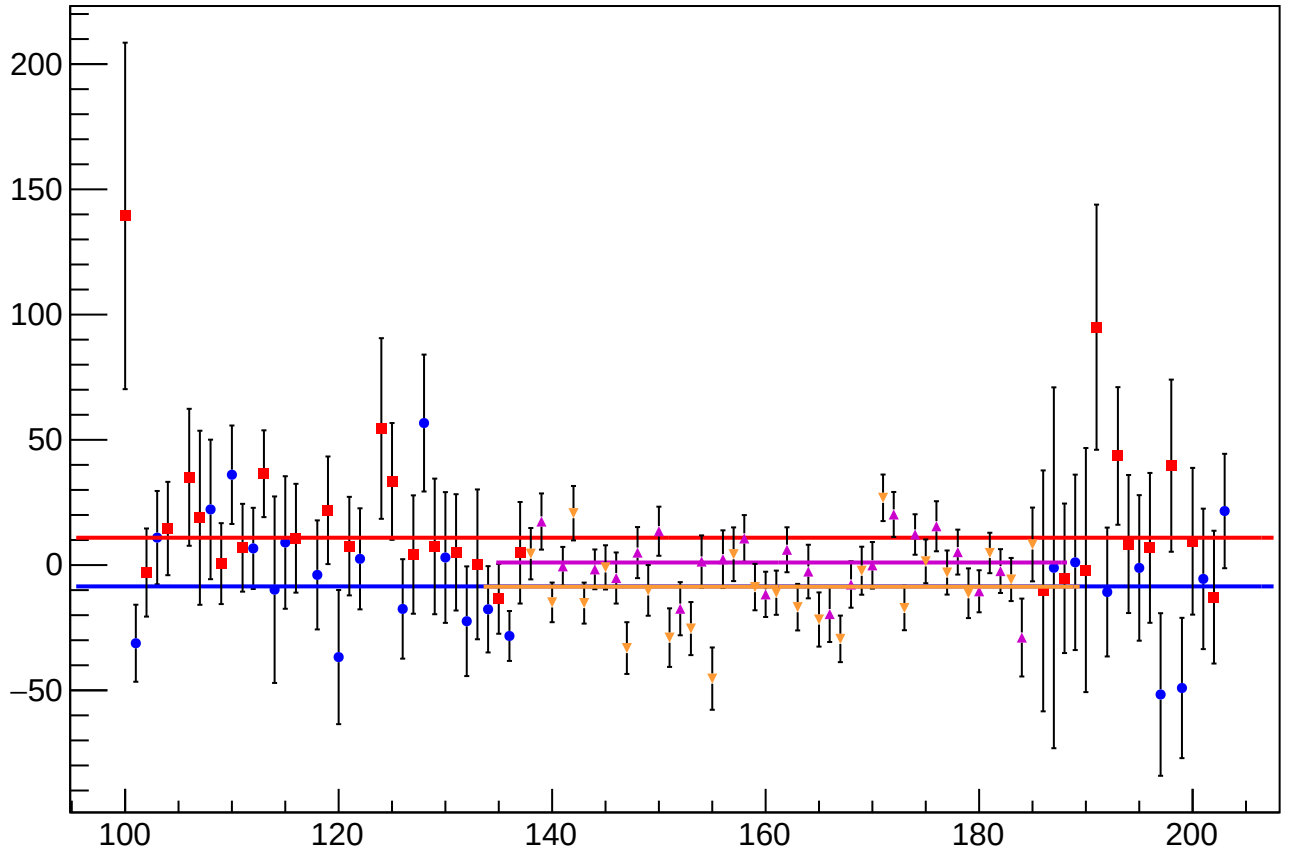
Left: 427.910+/-0.050 χ^2/NDF: 1367648.1/47

Right: 617.402+/-0.090 χ^2/NDF: 6686303.1/52

In: 469.309+/-0.063 χ^2/NDF:5479756.7/46

Out: 476.692+/-0.062 χ^2/NDF:5928487.0/53

All: 473.049+/-0.044 χ^2/NDF: 11415271.4/10



Right In: -8.510+/-4.348 χ^2/NDF: 28.9/23

Left Out: -8.623+/-1.913 χ^2/NDF:61.6/24

Right Out: 10.921+/-4.398 χ^2/NDF: 20.2/28

Left In: 1.027+/-1.987 χ^2/NDF:29.8/22

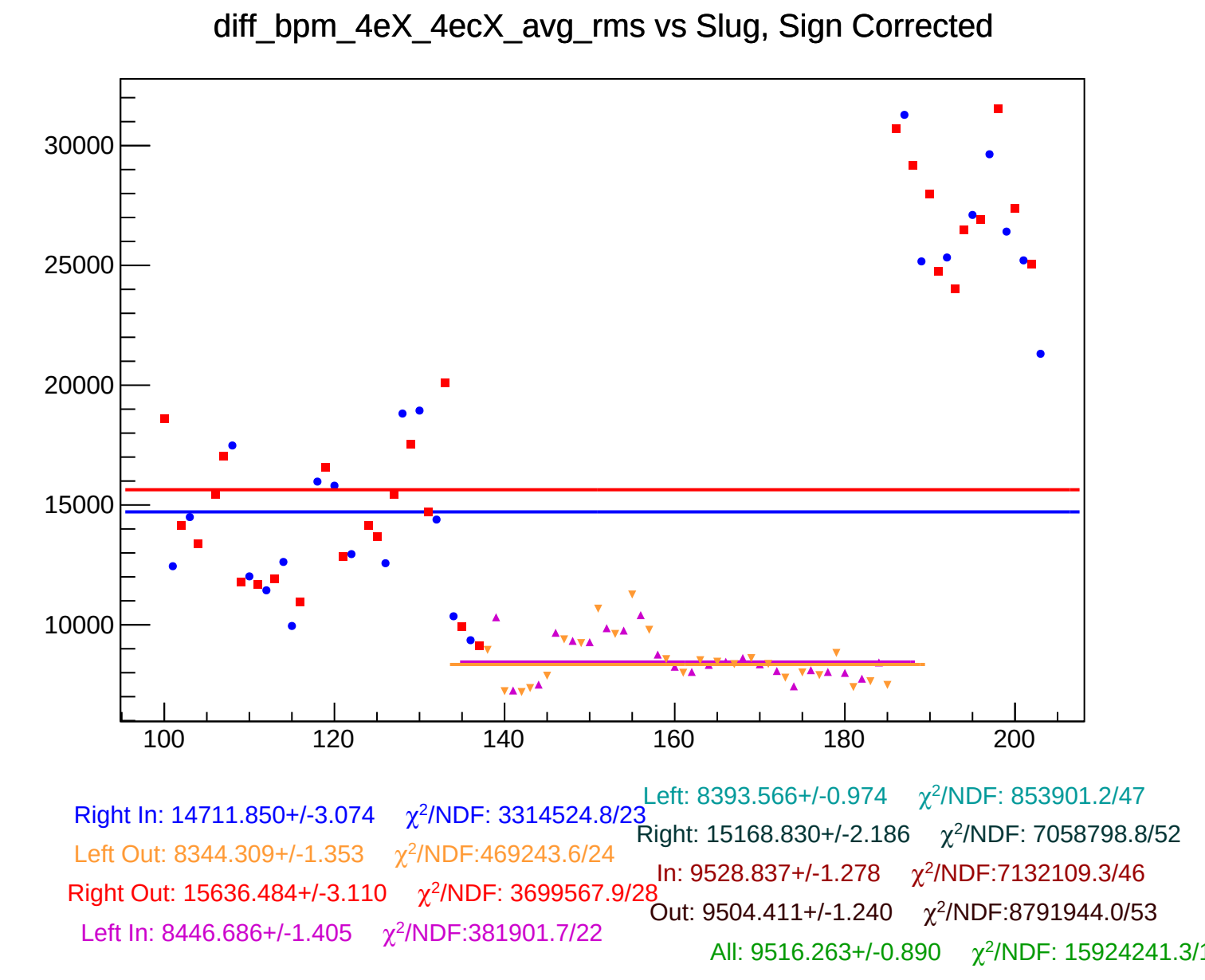
Left: -3.980+/-1.378 χ^2/NDF: 103.6/47

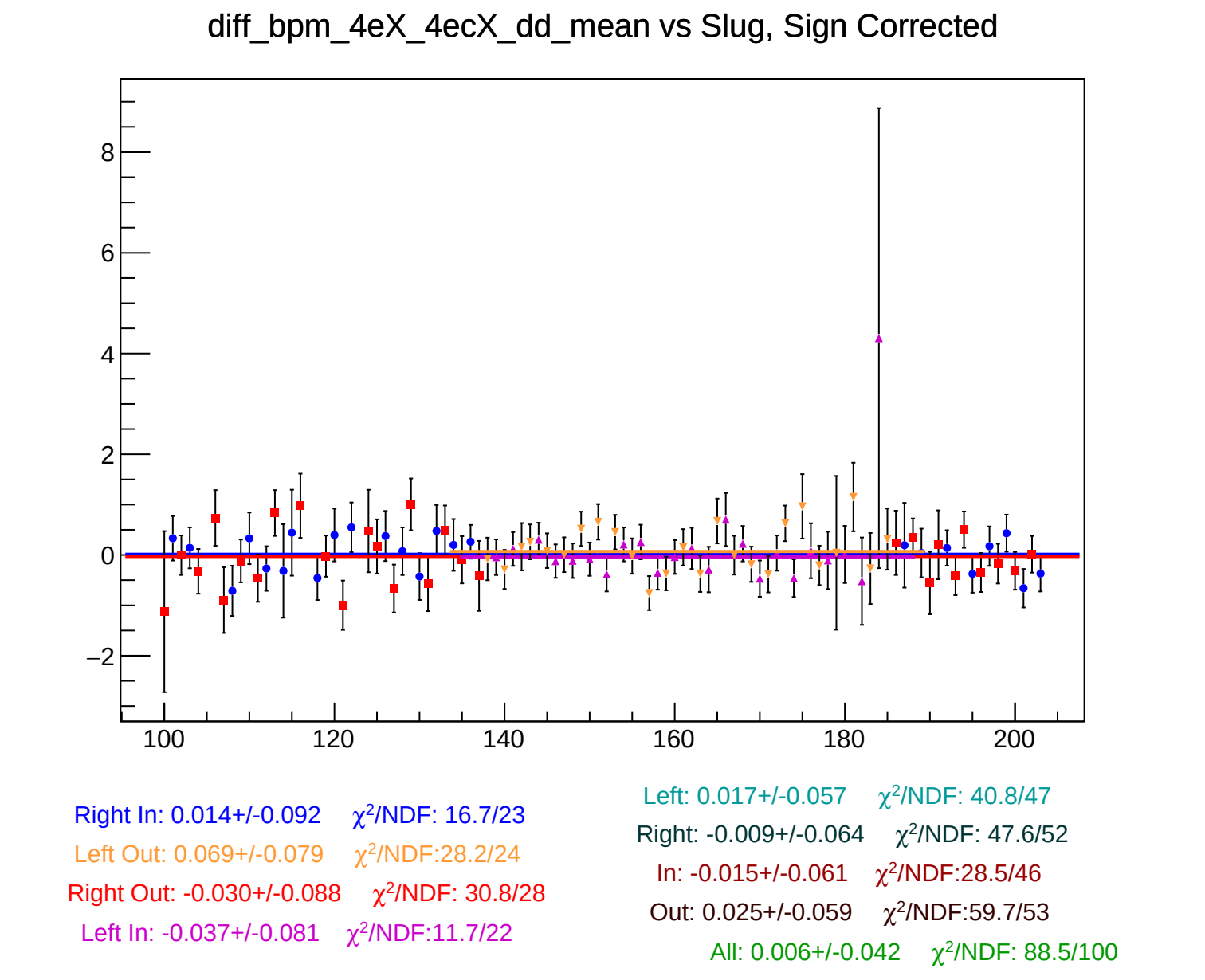
Right: 1.093+/-3.092 χ^2/NDF: 58.9/52

In: -0.620+/-1.807 χ^2/NDF:62.7/46

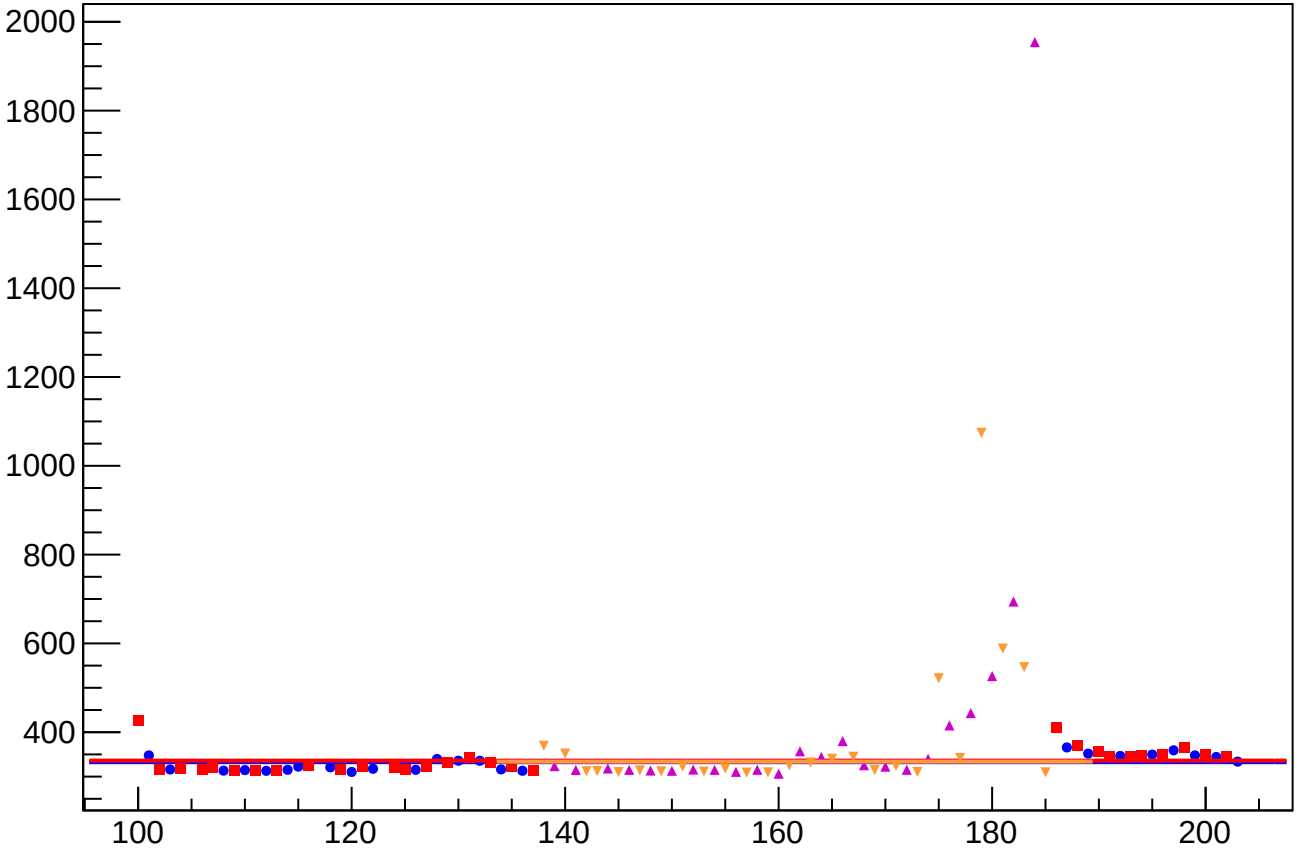
Out: -5.513+/-1.754 χ^2/NDF:98.4/53

All: -3.139+/-1.259 χ^2/NDF: 164.8/100


diff_bpm_4eX_4ecX_avg_rms vs Slug, Sign Corrected
30000
25000
20000
15000
10000
100
120
140
160
180
200
Right In: 14711.850+/-3.074 χ²/NDF: 3314524.8/23
Left Out: 8344.309+/-1.353 χ²/NDF:469243.6/24
Right Out: 15636.484+/-3.110 χ²/NDF: 3699567.9/28
Left In: 8446.686+/-1.405 χ²/NDF:381901.7/22
Left: 8393.566+/-0.974 χ²/NDF: 853901.2/47
Right: 15168.830+/-2.186 χ²/NDF: 7058798.8/52
In: 9528.837+/-1.278 χ²/NDF:7132109.3/46
Out: 9504.411+/-1.240 χ²/NDF:8791944.0/53
All: 9516.263+/-0.890 χ²/NDF: 15924241.3/1


diff_bpm_4eX_4ecX_dd_mean vs Slug, Sign Corrected
8
6
4
2
0
−2
100
120
140
160
180
200
Right In: 0.014+/-0.092 χ²/NDF: 16.7/23
Left Out: 0.069+/-0.079 χ²/NDF:28.2/24
Right Out: -0.030+/-0.088 χ²/NDF: 30.8/28
Left In: -0.037+/-0.081 χ²/NDF:11.7/22
Left: 0.017+/-0.057 χ²/NDF: 40.8/47
Right: -0.009+/-0.064 χ²/NDF: 47.6/52
In: -0.015+/-0.061 χ²/NDF:28.5/46
Out: 0.025+/-0.059 χ²/NDF:59.7/53
All: 0.006+/-0.042 χ²/NDF: 88.5/100

diff_bpm_4eX_4ecX_dd_rms vs Slug, Sign Corrected



Right In: 332.476+/-0.065 χ^2/NDF: 62700.8/23

Left Out: 333.783+/-0.056 χ^2/NDF:1217257.0/24

Right Out: 336.015+/-0.062 χ^2/NDF: 115240.1/28

Left In: 333.979+/-0.057 χ^2/NDF:1050984.2/22

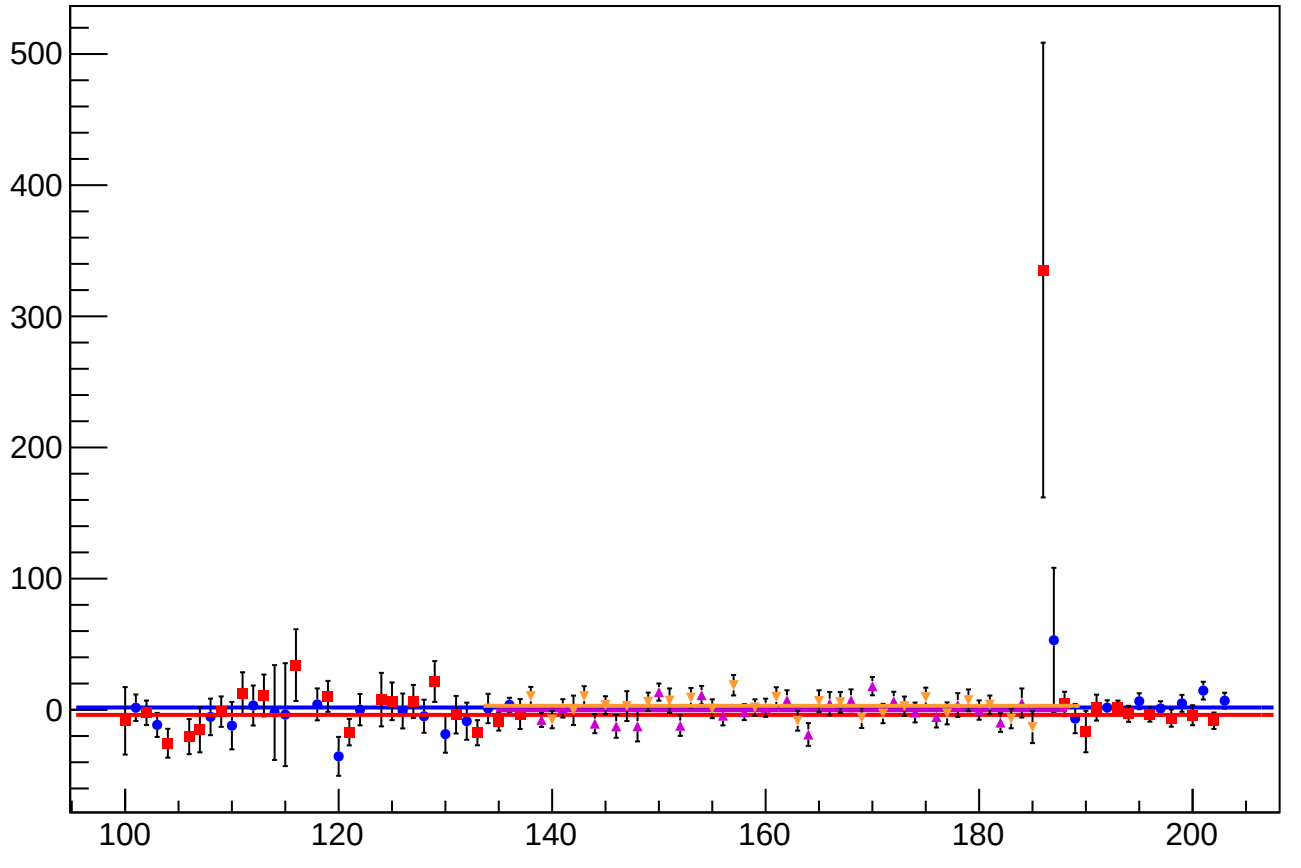
Left: 333.879+/-0.040 χ^2/NDF: 2268247.2/47

Right: 334.315+/-0.045 χ^2/NDF: 179488.2/52

In: 333.321+/-0.043 χ^2/NDF:1113987.1/46

Out: 334.778+/-0.042 χ^2/NDF:1333207.3/53

All: 334.071+/-0.030 χ^2/NDF: 2447788.0/100



Right In: 1.739+/-1.851 χ^2/NDF: 19.1/23

Left Out: 3.023+/-1.542 χ^2/NDF:20.3/24

Right Out: -3.890+/-1.796 χ^2/NDF: 26.7/28

Left In: -0.351+/-1.568 χ^2/NDF:33.8/22

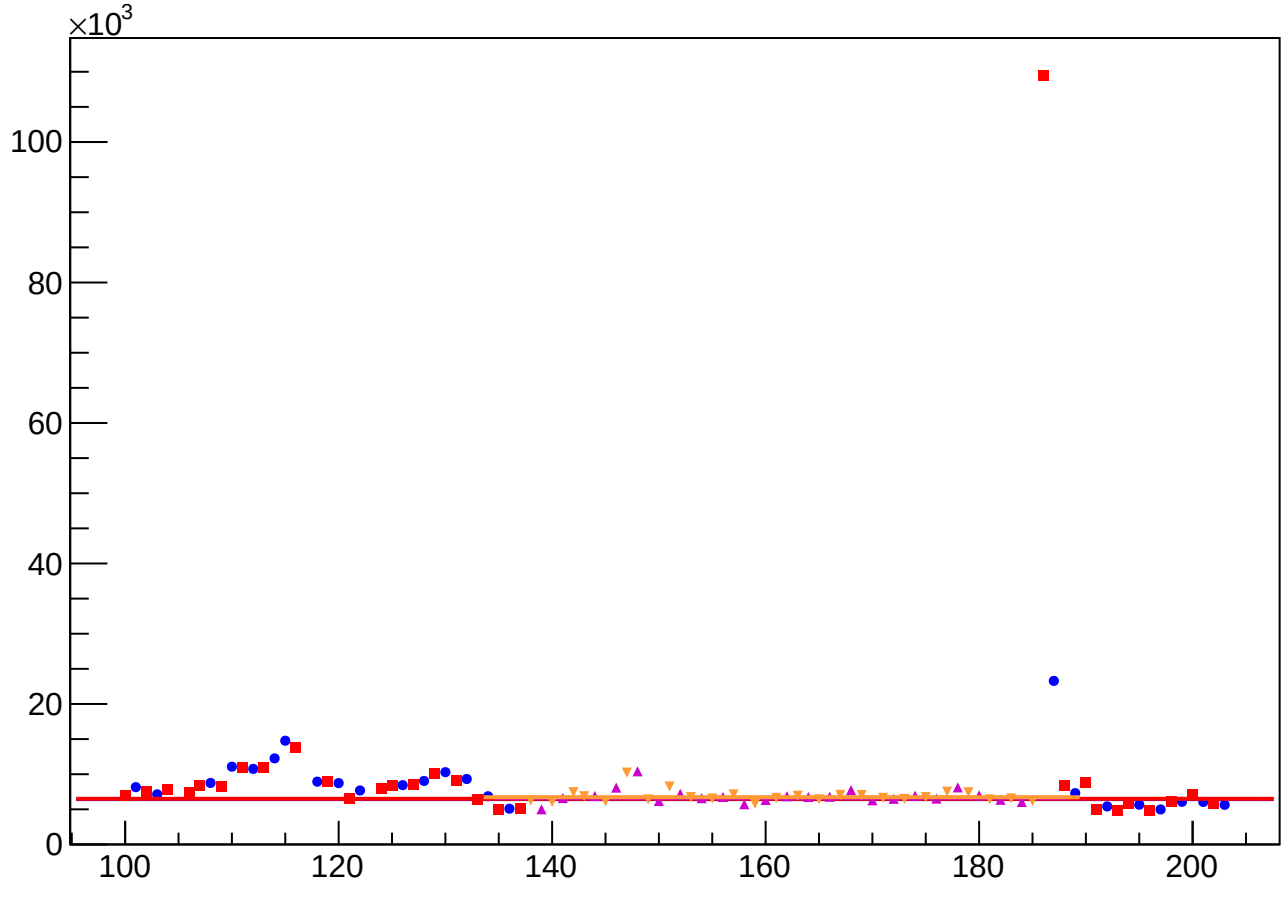
Left: 1.365+/-1.099 χ^2/NDF: 56.5/47

Right: -1.161+/-1.289 χ^2/NDF: 50.5/52

In: 0.522+/-1.197 χ^2/NDF:53.6/46

Out: 0.090+/-1.170 χ^2/NDF:55.6/53

All: 0.301+/-0.836 χ^2/NDF: 109.2/100



Right In: 6458.124+/-1.309 χ^2/NDF: 1687049.8/23

Left Out: 6722.984+/-1.090 χ^2/NDF:403317.7/24

Right Out: 6497.549+/-1.270 χ^2/NDF: 2361301.5/28

Left In: 6632.723+/-1.109 χ^2/NDF:629490.9/22

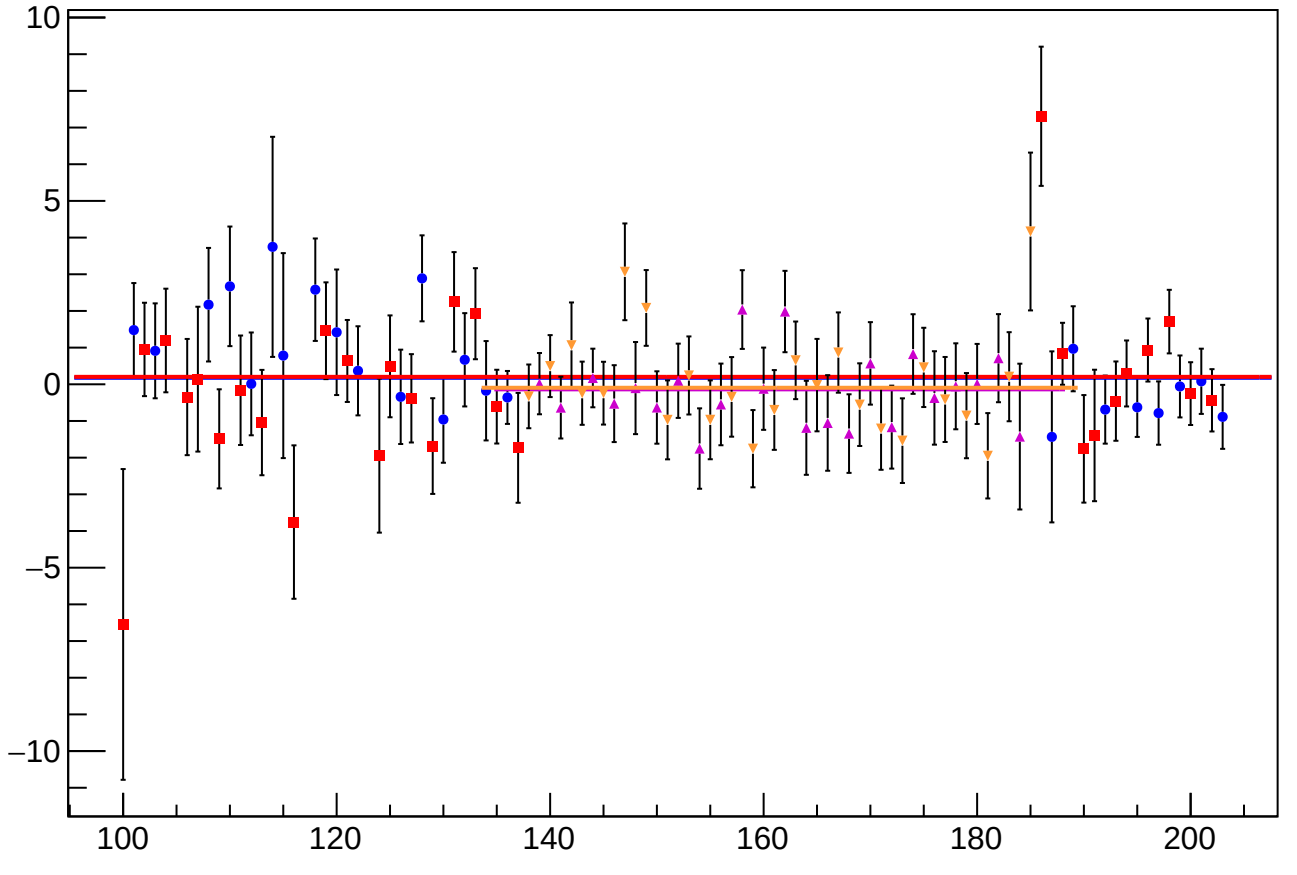
Left: 6678.628+/-0.777 χ^2/NDF: 1036177.6/47

Right: 6478.438+/-0.911 χ^2/NDF: 4048818.7/52

In: 6559.772+/-0.846 χ^2/NDF:2326897.7/46

Out: 6627.326+/-0.827 χ^2/NDF:2782766.2/53

All: 6594.318+/-0.591 χ^2/NDF: 5112923.5/10



Right In: 0.178+/-0.233 χ^2/NDF: 23.2/23

Left Out: -0.095+/-0.215 χ^2/NDF:27.3/24

Right Out: 0.203+/-0.226 χ^2/NDF: 42.6/28

Left In: -0.138+/-0.225 χ^2/NDF:16.5/22

Left: -0.115+/-0.156 χ^2/NDF: 43.8/47

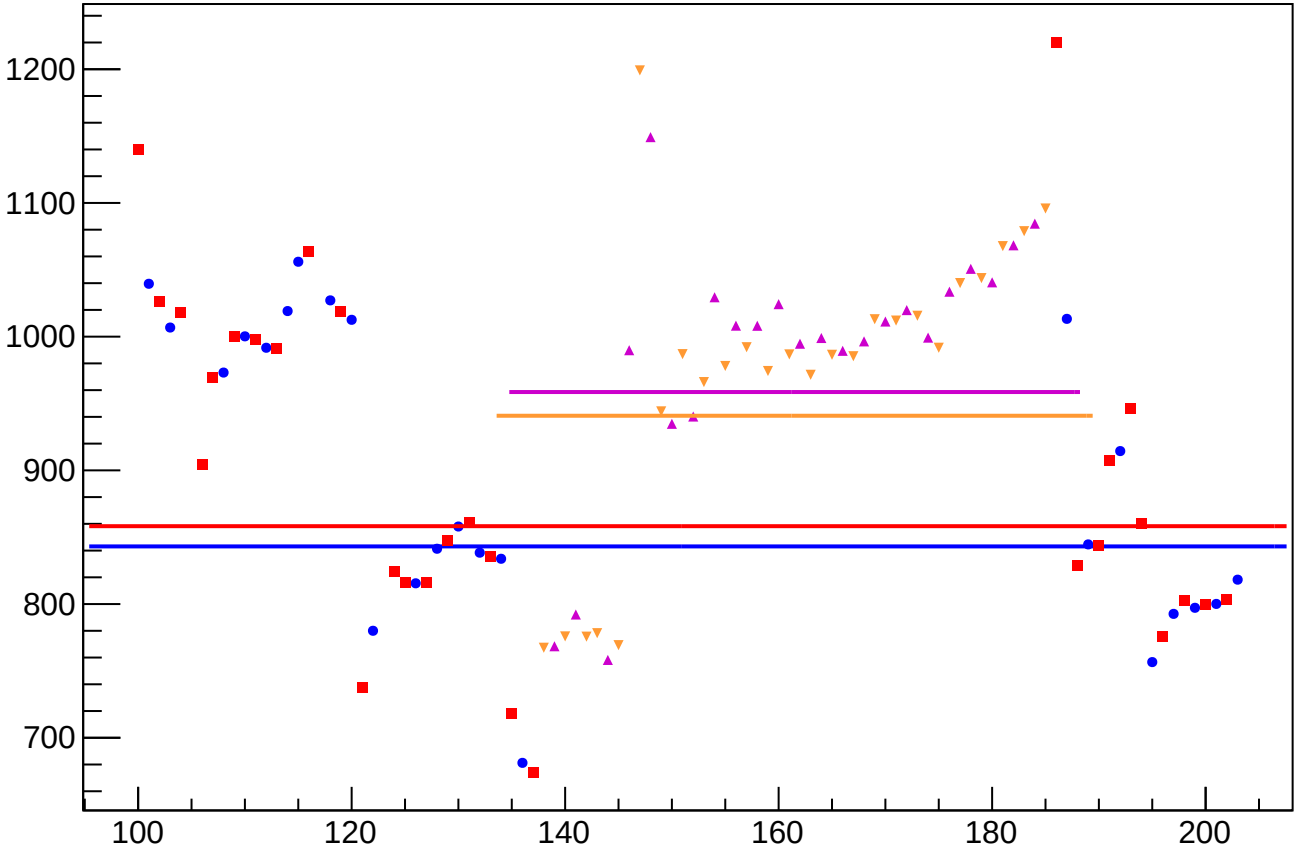
Right: 0.191+/-0.162 χ^2/NDF: 65.8/52

In: 0.014+/-0.162 χ^2/NDF:40.6/46

Out: 0.047+/-0.156 χ^2/NDF:70.8/53

All: 0.031+/-0.112 χ^2/NDF: 111.5/100

diff_bpm_4aY_4acY_dd_rms vs Slug, Sign Corrected



Right In: 843.120+/-0.165 χ^2/NDF: 378769.5/23

Left Out: 940.844+/-0.152 χ^2/NDF:568776.0/24

Right Out: 858.248+/-0.160 χ^2/NDF: 414901.7/28

Left In: 958.578+/-0.159 χ^2/NDF:456824.8/22

Left: 949.310+/-0.110 χ^2/NDF: 1032074.6/47

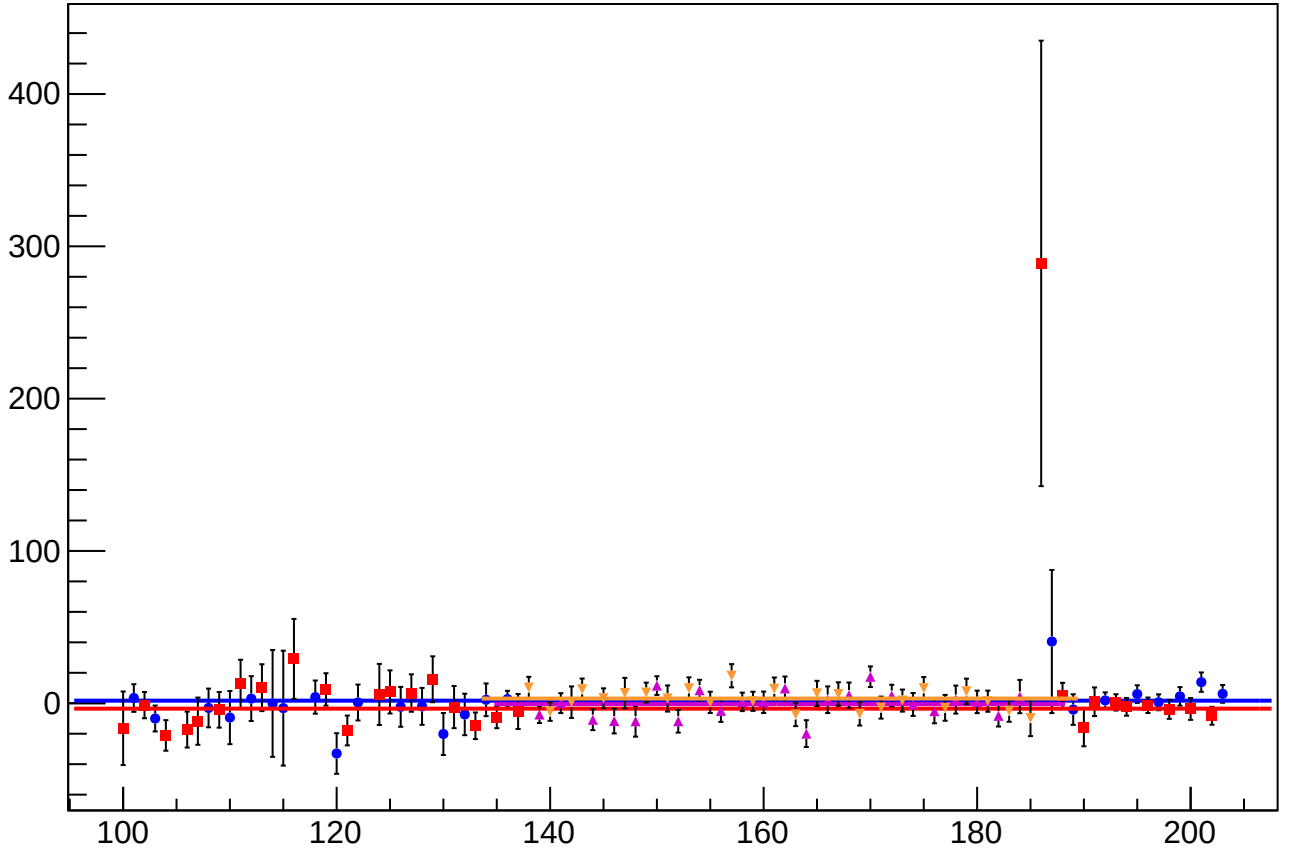
Right: 850.921+/-0.115 χ^2/NDF: 798004.9/52

In: 902.872+/-0.115 χ^2/NDF:1088917.4/46

Out: 901.565+/-0.110 χ^2/NDF:1123556.5/53

All: 902.193+/-0.079 χ^2/NDF: 2212541.4/100

diff_bpm_4aY_4eY_avg_mean vs Slug, Sign Corrected



Right In: 1.702+/-1.760 χ^2/NDF: 18.6/23

Left Out: 3.099+/-1.500 χ^2/NDF:18.6/24

Right Out: -3.536+/-1.697 χ^2/NDF: 25.2/28

Left In: -0.519+/-1.535 χ^2/NDF:32.0/22

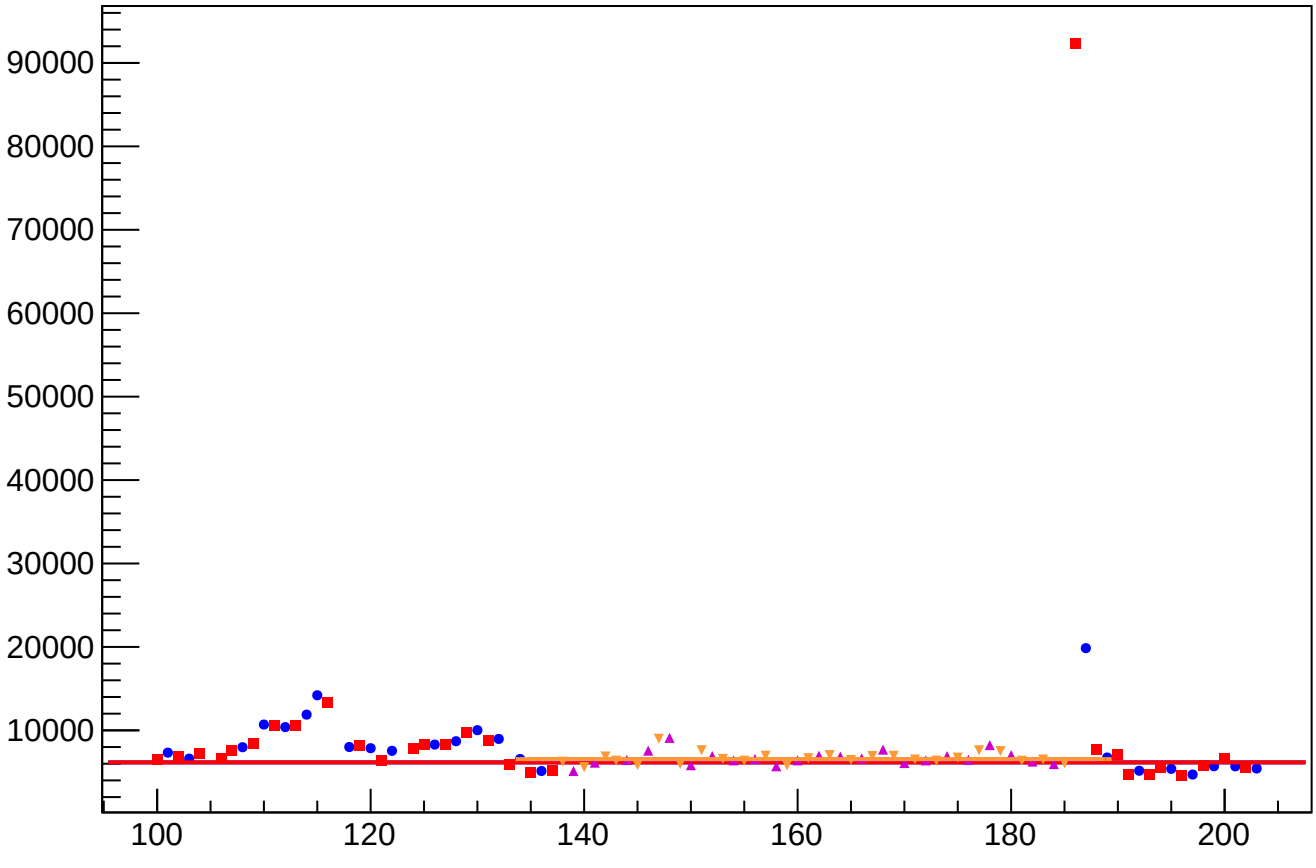
Left: 1.331+/-1.073 χ^2/NDF: 53.4/47

Right: -1.012+/-1.222 χ^2/NDF: 48.5/52

In: 0.441+/-1.157 χ^2/NDF:51.5/46

Out: 0.189+/-1.124 χ^2/NDF:52.4/53

All: 0.311+/-0.806 χ^2/NDF: 104.0/100



Right In: 6156.111+/-1.244 χ^2/NDF: 1594866.6/23

Left Out: 6548.897+/-1.061 χ^2/NDF:366072.4/24

Right Out: 6162.693+/-1.200 χ^2/NDF: 2292909.0/28

Left In: 6505.057+/-1.085 χ^2/NDF:515496.8/22

Left: 6527.477+/-0.759 χ^2/NDF: 882403.7/47

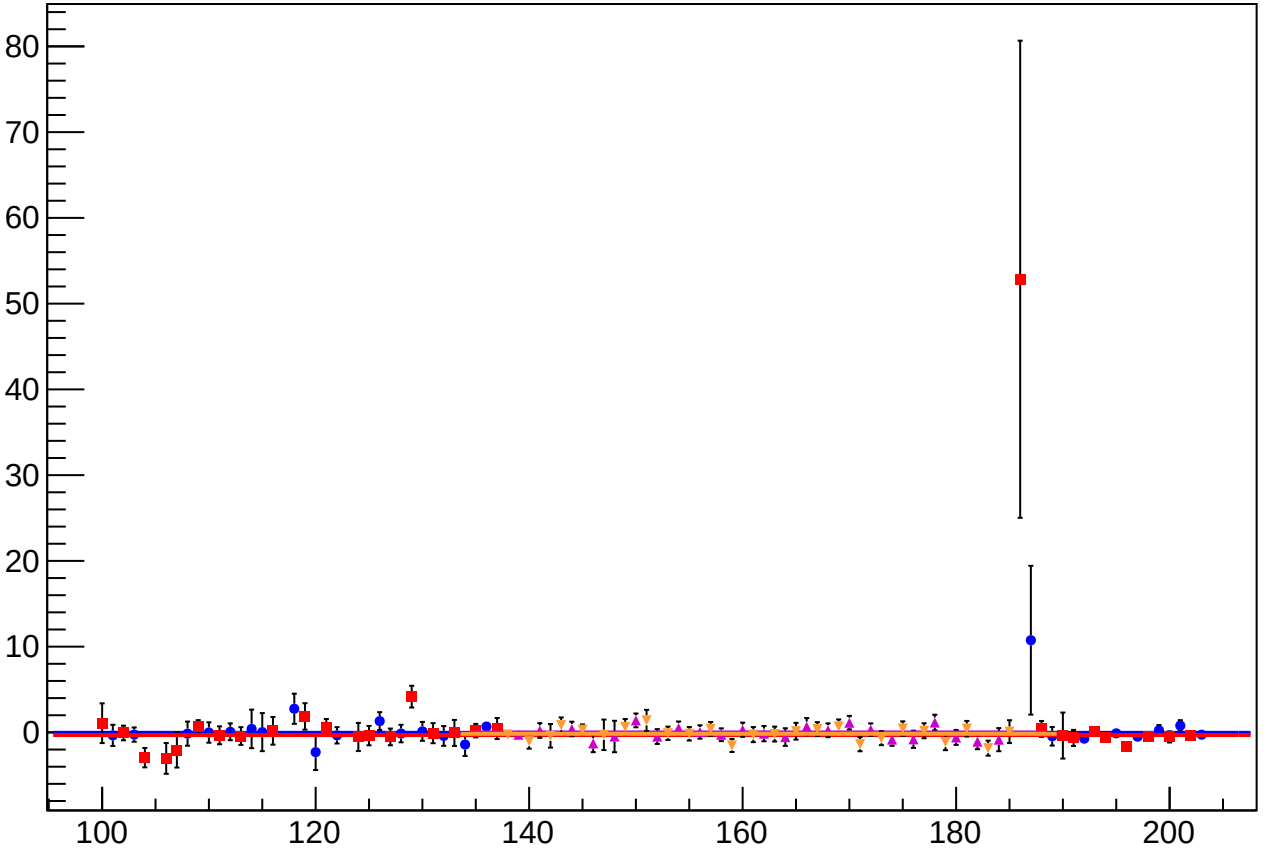
Right: 6159.521+/-0.864 χ^2/NDF: 3887790.1/52

In: 6354.275+/-0.818 χ^2/NDF:2155032.5/46

Out: 6379.486+/-0.795 χ^2/NDF:2717121.6/53

All: 6367.241+/-0.570 χ^2/NDF: 4872642.8/10

diff_bpm_4aY_4eY_dd_mean vs Slug, Sign Corrected



Right In: -0.051+/-0.171 χ^2/NDF: 14.7/23

Left Out: -0.162+/-0.172 χ^2/NDF:19.0/24

Right Out: -0.311+/-0.170 χ^2/NDF: 37.9/28

Left In: -0.017+/-0.169 χ^2/NDF:15.2/22

Left: -0.089+/-0.121 χ^2/NDF: 34.6/47

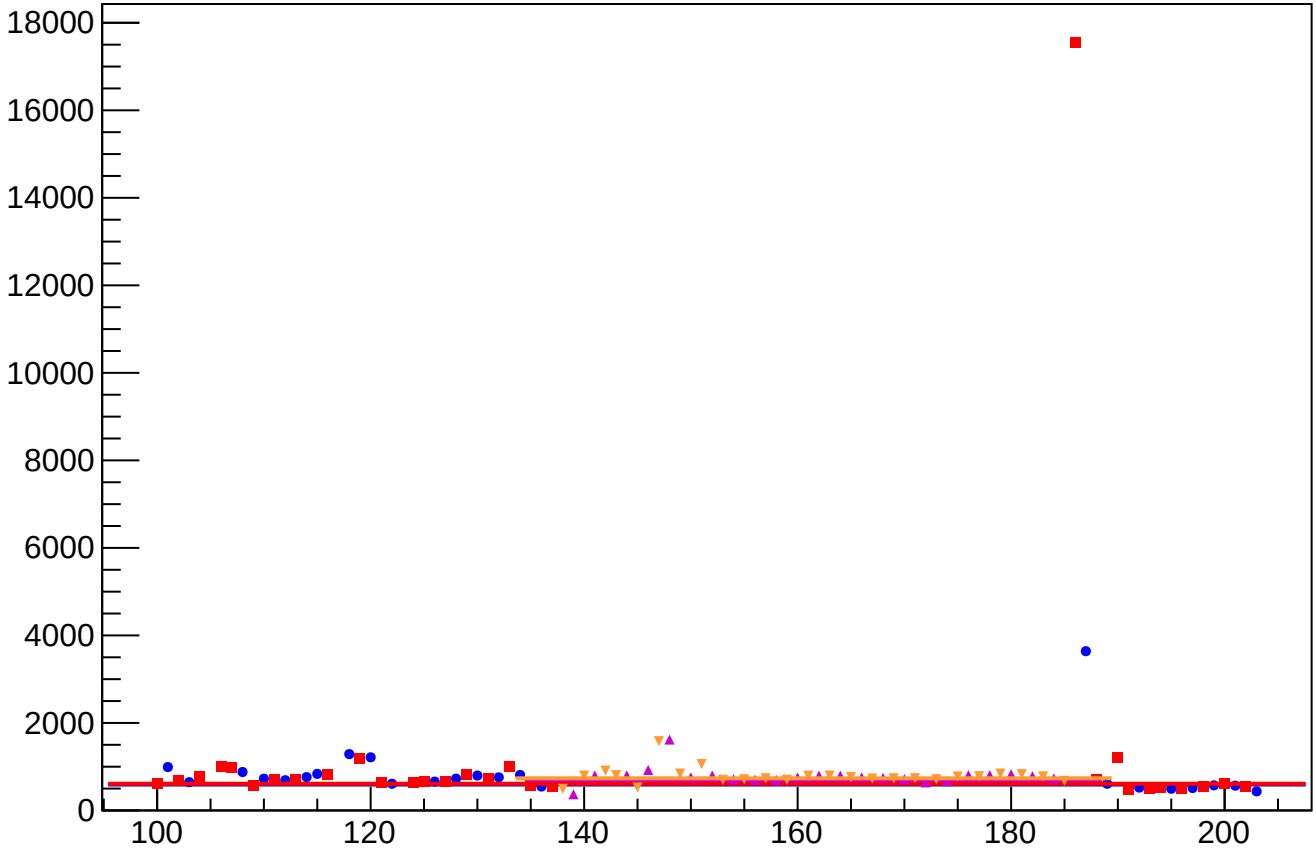
Right: -0.182+/-0.120 χ^2/NDF: 53.7/52

In: -0.034+/-0.120 χ^2/NDF:29.9/46

Out: -0.237+/-0.121 χ^2/NDF:57.2/53

All: -0.135+/-0.085 χ^2/NDF: 88.6/100

diff_bpm_4aY_4eY_dd_rms vs Slug, Sign Corrected



Right In: 592.763+/-0.121 χ^2/NDF: 1710193.2/23

Left Out: 734.984+/-0.122 χ^2/NDF:1339748.9/24

Right Out: 609.903+/-0.120 χ^2/NDF: 1961805.0/28

Left In: 694.150+/-0.120 χ^2/NDF:2225094.5/22

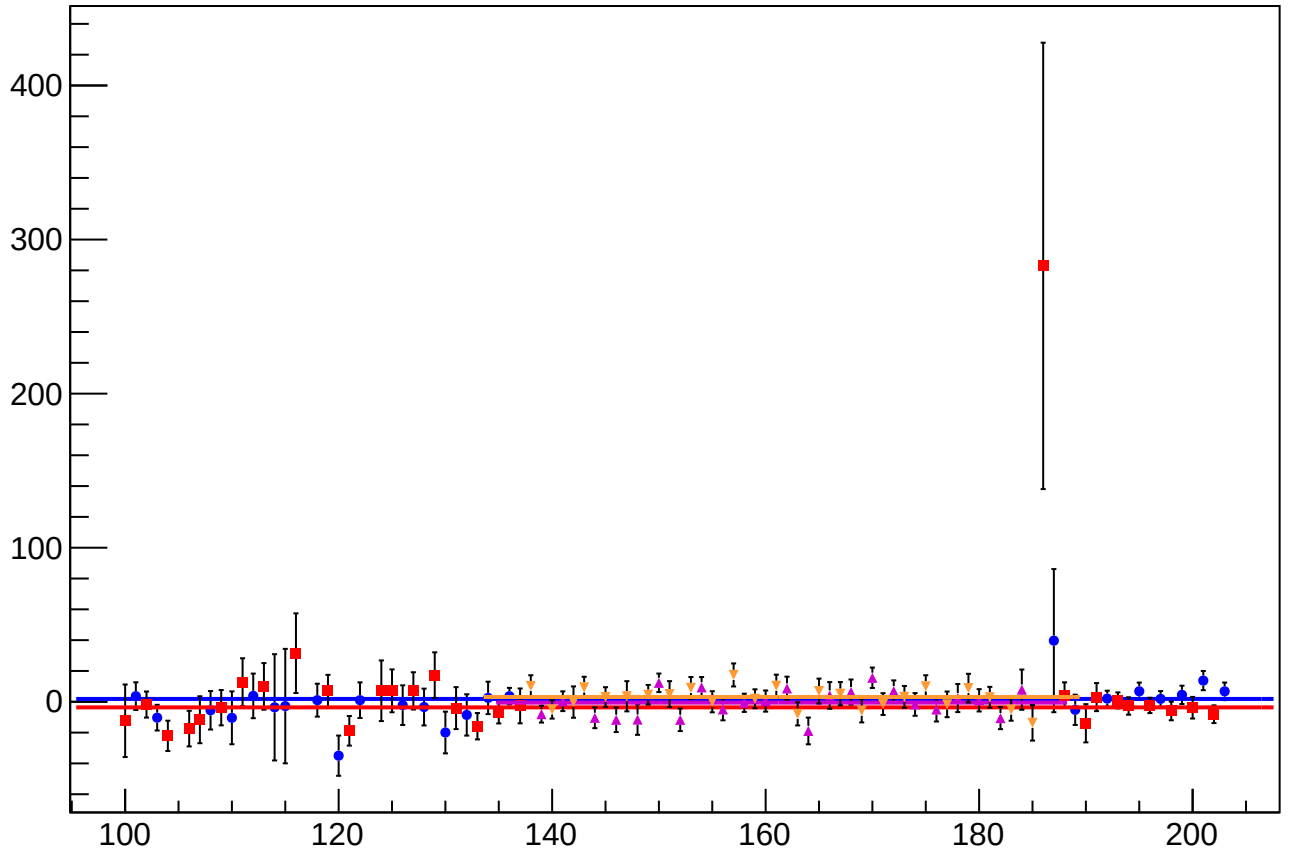
Left: 714.202+/-0.085 χ^2/NDF: 3622132.3/47

Right: 601.400+/-0.085 χ^2/NDF: 3682131.0/52

In: 644.013+/-0.085 χ^2/NDF:4290950.9/46

Out: 671.521+/-0.085 χ^2/NDF:3837459.6/53

All: 657.699+/-0.060 χ^2/NDF: 8180518.2/100



Right In: 1.847+/-1.725 χ^2/NDF: 21.2/23

Left Out: 3.111+/-1.476 χ^2/NDF:18.7/24

Right Out: -3.632+/-1.662 χ^2/NDF: 26.4/28

Left In: -0.550+/-1.512 χ^2/NDF:33.6/22

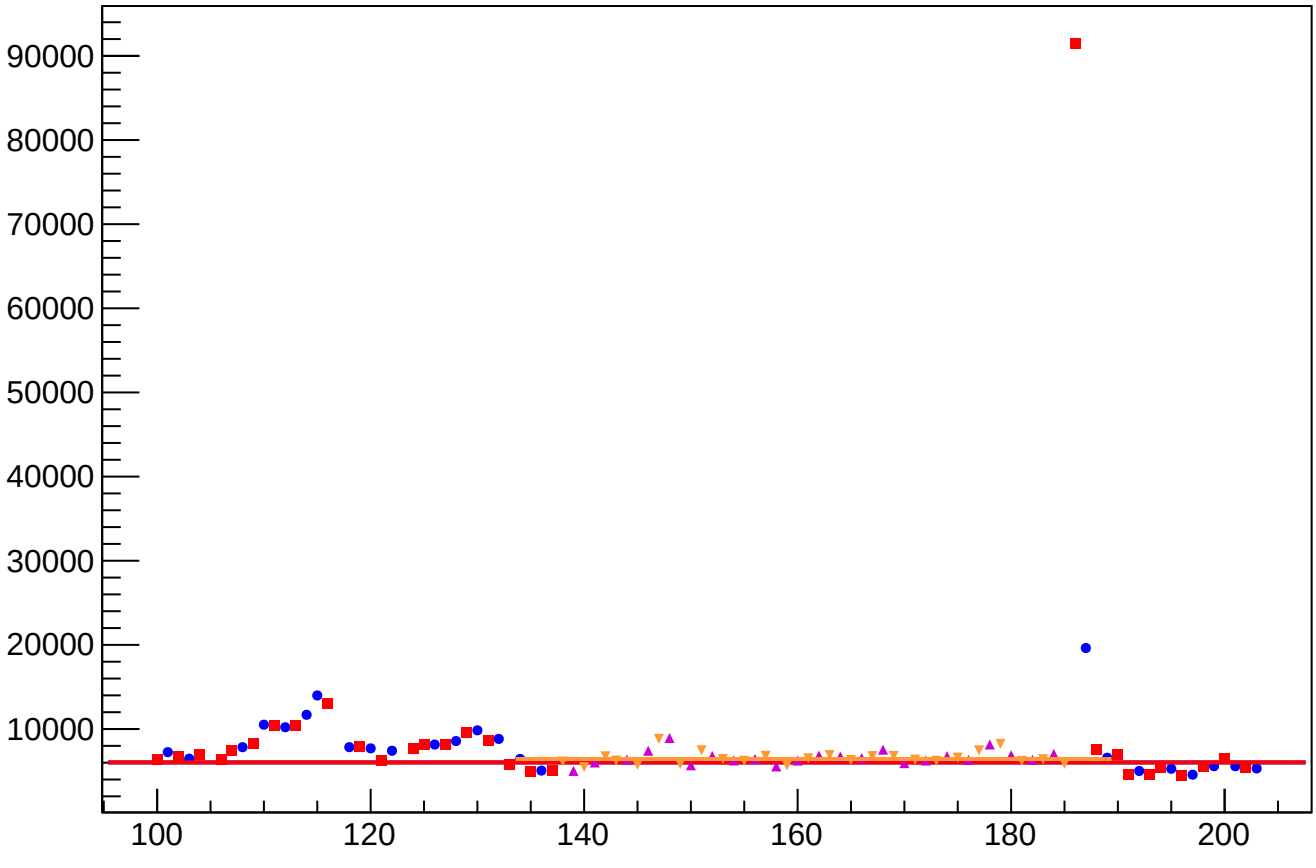
Left: 1.325+/-1.056 χ^2/NDF: 55.3/47

Right: -0.994+/-1.197 χ^2/NDF: 52.8/52

In: 0.492+/-1.137 χ^2/NDF:55.9/46

Out: 0.138+/-1.104 χ^2/NDF:54.3/53

All: 0.310+/-0.792 χ^2/NDF: 110.2/100



Right In: 6028.815+/-1.220 χ^2/NDF: 1622089.8/23

Left Out: 6435.363+/-1.044 χ^2/NDF:417318.3/24

Right Out: 6030.619+/-1.175 χ^2/NDF: 2314513.2/28

Left In: 6405.229+/-1.069 χ^2/NDF:525079.4/22

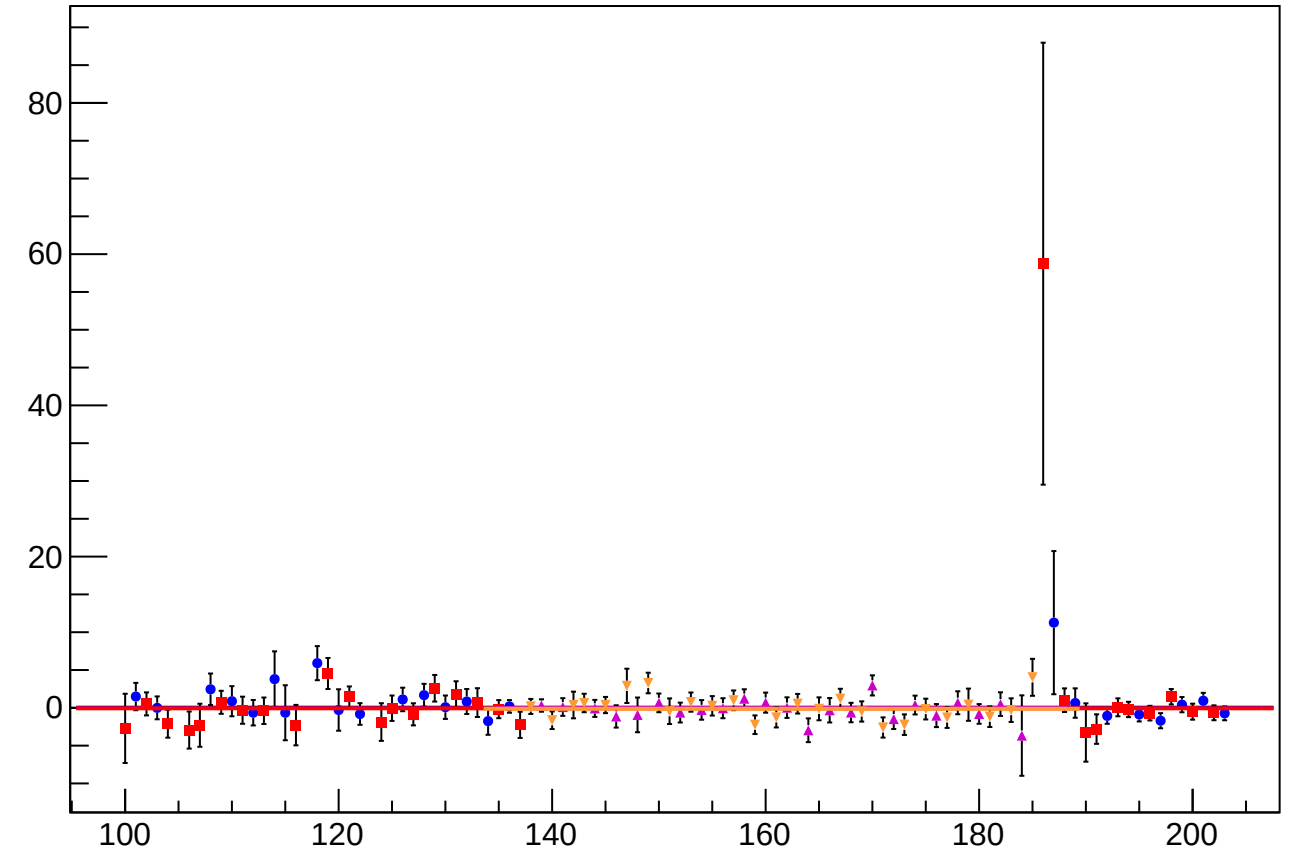
Left: 6420.661+/-0.747 χ^2/NDF: 942804.2/47

Right: 6029.750+/-0.846 χ^2/NDF: 3936604.1/52

In: 6241.611+/-0.804 χ^2/NDF:2201017.8/46

Out: 6256.908+/-0.781 χ^2/NDF:2798119.6/53

All: 6249.487+/-0.560 χ^2/NDF: 4999323.8/10



Right In: 0.019+/-0.284 χ^2/NDF: 21.7/23

Left Out: -0.122+/-0.273 χ^2/NDF:27.0/24

Right Out: -0.063+/-0.285 χ^2/NDF: 27.4/28

Left In: -0.029+/-0.279 χ^2/NDF:14.4/22

Left: -0.077+/-0.195 χ^2/NDF: 41.5/47

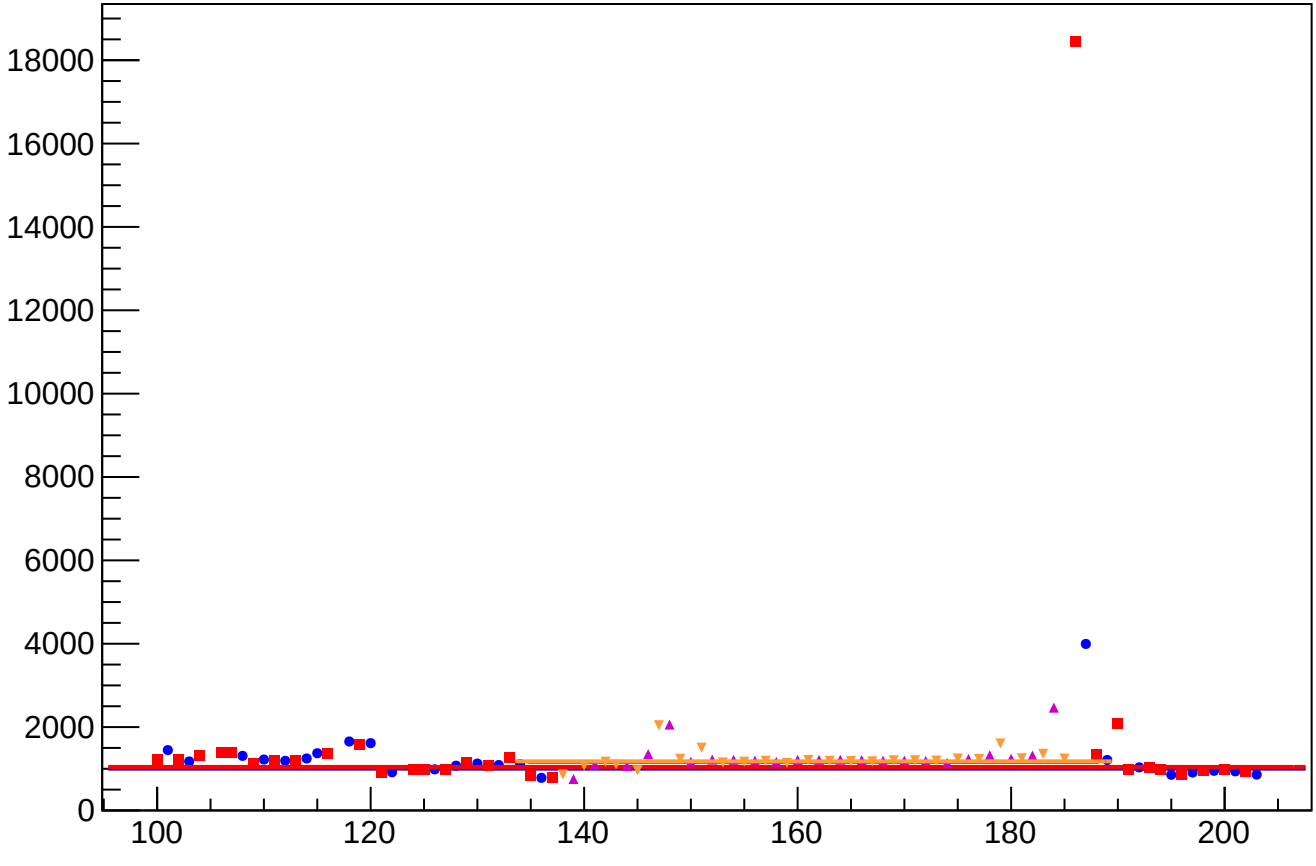
Right: -0.022+/-0.201 χ^2/NDF: 49.1/52

In: -0.006+/-0.199 χ^2/NDF:36.1/46

Out: -0.094+/-0.197 χ^2/NDF:54.4/53

All: -0.050+/-0.140 χ^2/NDF: 90.6/100

diff_bpm_4aY_4ecY_dd_rms vs Slug, Sign Corrected



Right In: 1003.844+/-0.201 χ^2/NDF: 1065302.4/23

Left Out: 1177.742+/-0.193 χ^2/NDF:800899.0/24

Right Out: 1044.253+/-0.201 χ^2/NDF: 1572299.3/28

Left In: 1163.827+/-0.197 χ^2/NDF:1052206.0/22

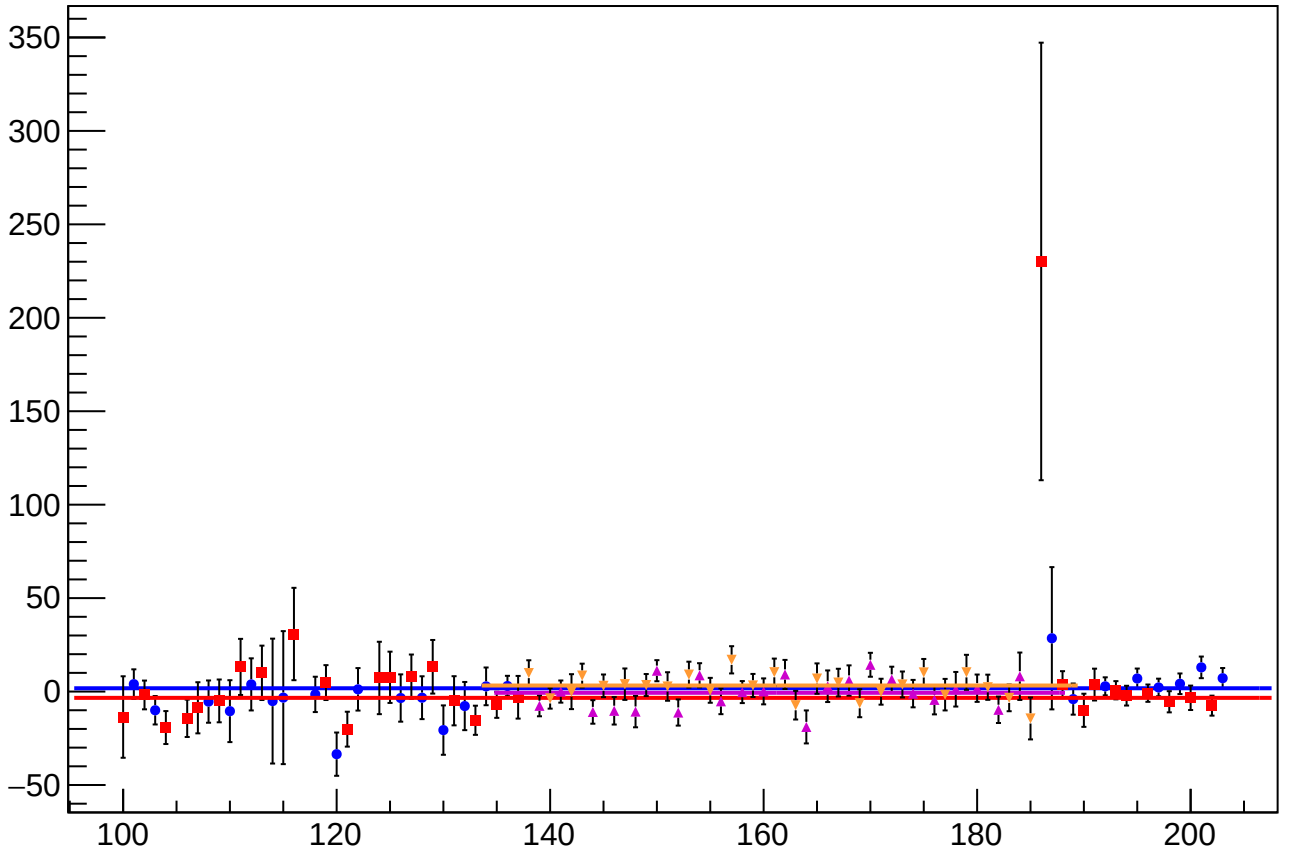
Left: 1170.916+/-0.138 χ^2/NDF: 1855646.9/47

Right: 1024.027+/-0.142 χ^2/NDF: 2657794.4/52

In: 1085.437+/-0.141 χ^2/NDF:2440708.6/46

Out: 1113.662+/-0.139 χ^2/NDF:2602116.8/53

All: 1099.679+/-0.099 χ^2/NDF: 5063137.9/10



Right In: 1.767+/-1.617 χ^2/NDF: 23.6/23

Left Out: 3.234+/-1.430 χ^2/NDF:17.9/24

Right Out: -3.373+/-1.545 χ^2/NDF: 26.7/28

Left In: -0.667+/-1.474 χ^2/NDF:32.4/22

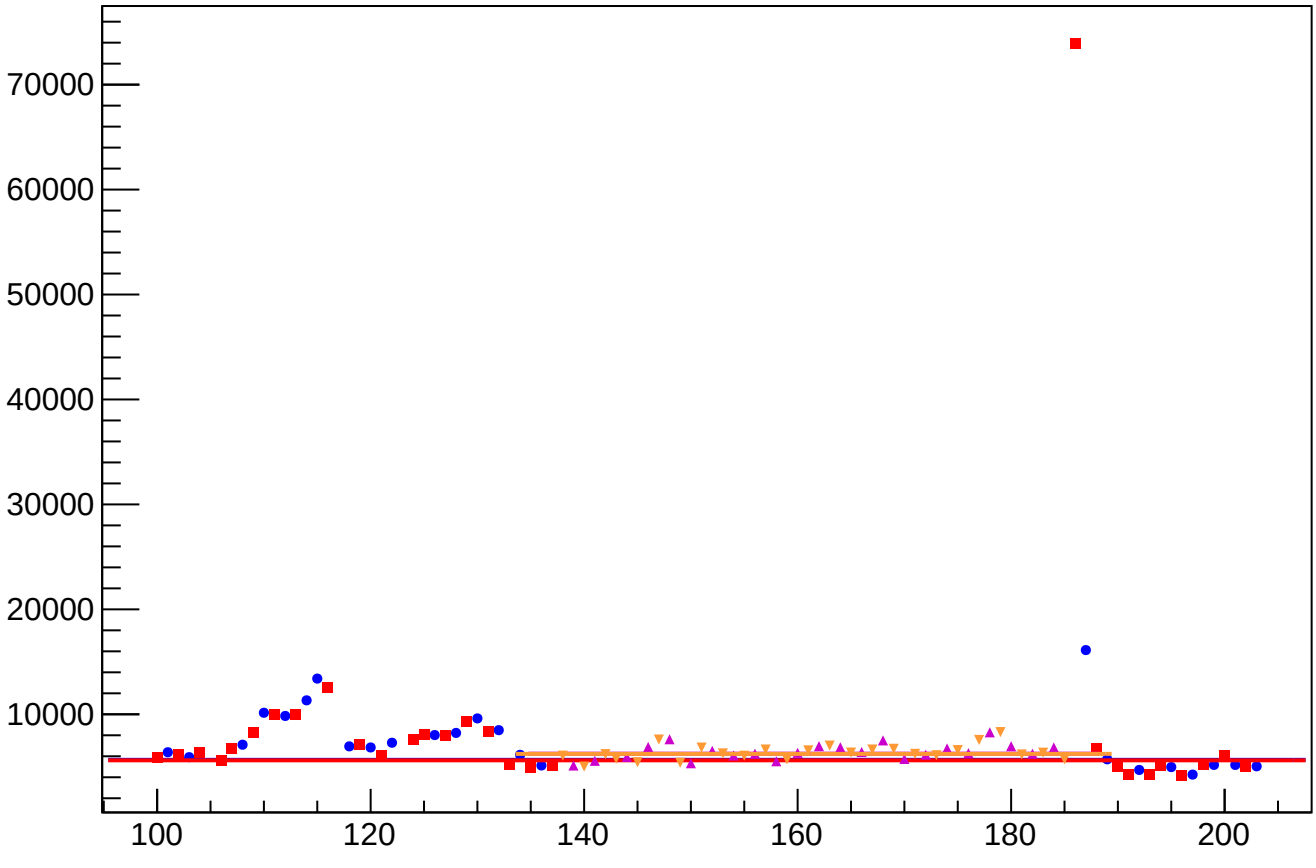
Left: 1.343+/-1.026 χ^2/NDF: 53.9/47

Right: -0.921+/-1.117 χ^2/NDF: 55.6/52

In: 0.437+/-1.089 χ^2/NDF:57.2/46

Out: 0.187+/-1.049 χ^2/NDF:54.4/53

All: 0.307+/-0.756 χ^2/NDF: 111.7/100



Right In: 5660.209+/-1.144 χ^2/NDF: 1596230.8/23

Left Out: 6228.654+/-1.011 χ^2/NDF:470851.7/24

Right Out: 5614.926+/-1.093 χ^2/NDF: 2332947.7/28

Left In: 6246.800+/-1.042 χ^2/NDF:484982.9/22

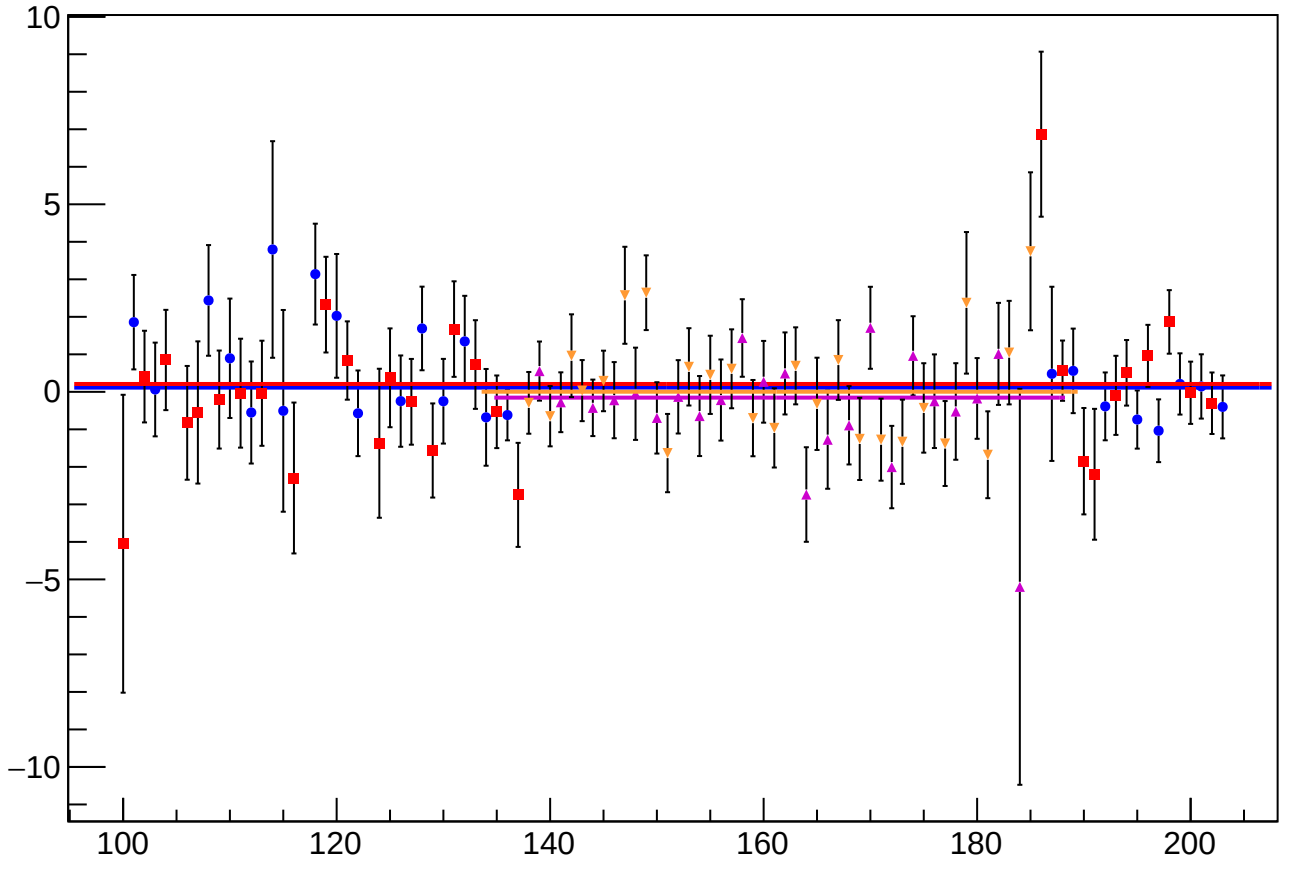
Left: 6237.452+/-0.726 χ^2/NDF: 955990.8/47

Right: 5636.535+/-0.790 χ^2/NDF: 3929998.1/52

In: 5980.712+/-0.770 χ^2/NDF:2224954.5/46

Out: 5945.615+/-0.742 χ^2/NDF:2973791.7/53

All: 5962.509+/-0.534 χ^2/NDF: 5199823.0/10



Right In: 0.113+/-0.224 χ^2/NDF: 22.1/23

Left Out: 0.003+/-0.212 χ^2/NDF:31.6/24

Right Out: 0.210+/-0.218 χ^2/NDF: 35.0/28

Left In: -0.154+/-0.221 χ^2/NDF:18.4/22

Left: -0.072+/-0.153 χ^2/NDF: 50.3/47

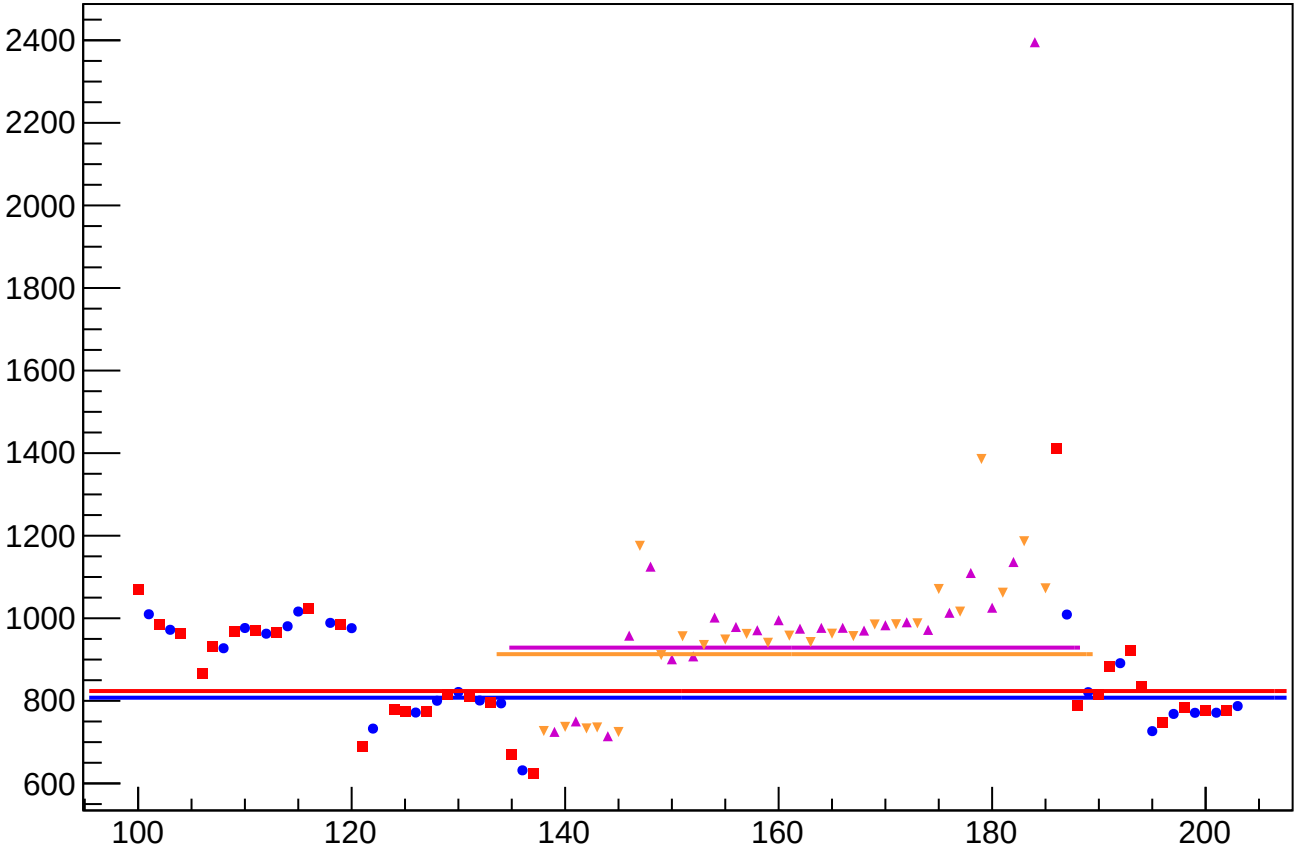
Right: 0.163+/-0.156 χ^2/NDF: 57.2/52

In: -0.022+/-0.157 χ^2/NDF:41.2/46

Out: 0.104+/-0.152 χ^2/NDF:67.1/53

All: 0.043+/-0.109 χ^2/NDF: 108.6/100

diff_bpm_4eY_4ecY_dd_rms vs Slug, Sign Corrected



Right In: 807.636+/-0.158 χ^2/NDF: 438710.8/23

Left Out: 913.070+/-0.150 χ^2/NDF:889200.0/24

Right Out: 823.736+/-0.154 χ^2/NDF: 524701.2/28

Left In: 928.913+/-0.156 χ^2/NDF:769065.0/22

Left: 920.657+/-0.108 χ^2/NDF: 1663617.7/47

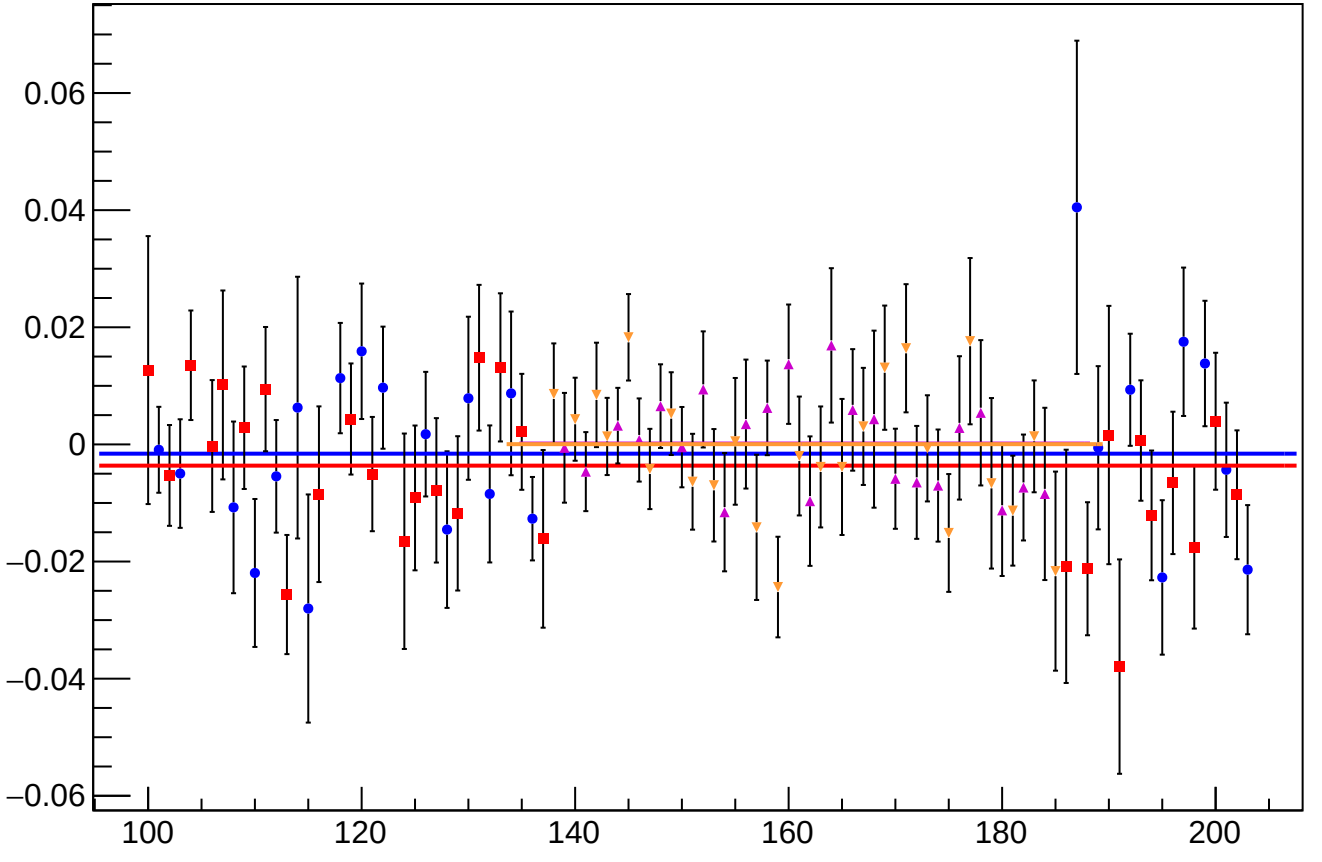
Right: 815.916+/-0.110 χ^2/NDF: 968722.5/52

In: 869.091+/-0.111 χ^2/NDF:1504678.6/46

Out: 869.615+/-0.107 χ^2/NDF:1586778.9/53

All: 869.362+/-0.077 χ^2/NDF: 3091468.9/100

diff_dispE_bpm12X_mean vs Slug, Sign Corrected



Right In: -0.002+/-0.002 χ^2/NDF: 29.1/23

Left Out: 0.000+/-0.002 χ^2/NDF:31.1/24

Right Out: -0.004+/-0.002 χ^2/NDF: 27.5/28

Left In: 0.000+/-0.002 χ^2/NDF:12.8/22

Left: 0.000+/-0.001 χ^2/NDF: 43.9/47

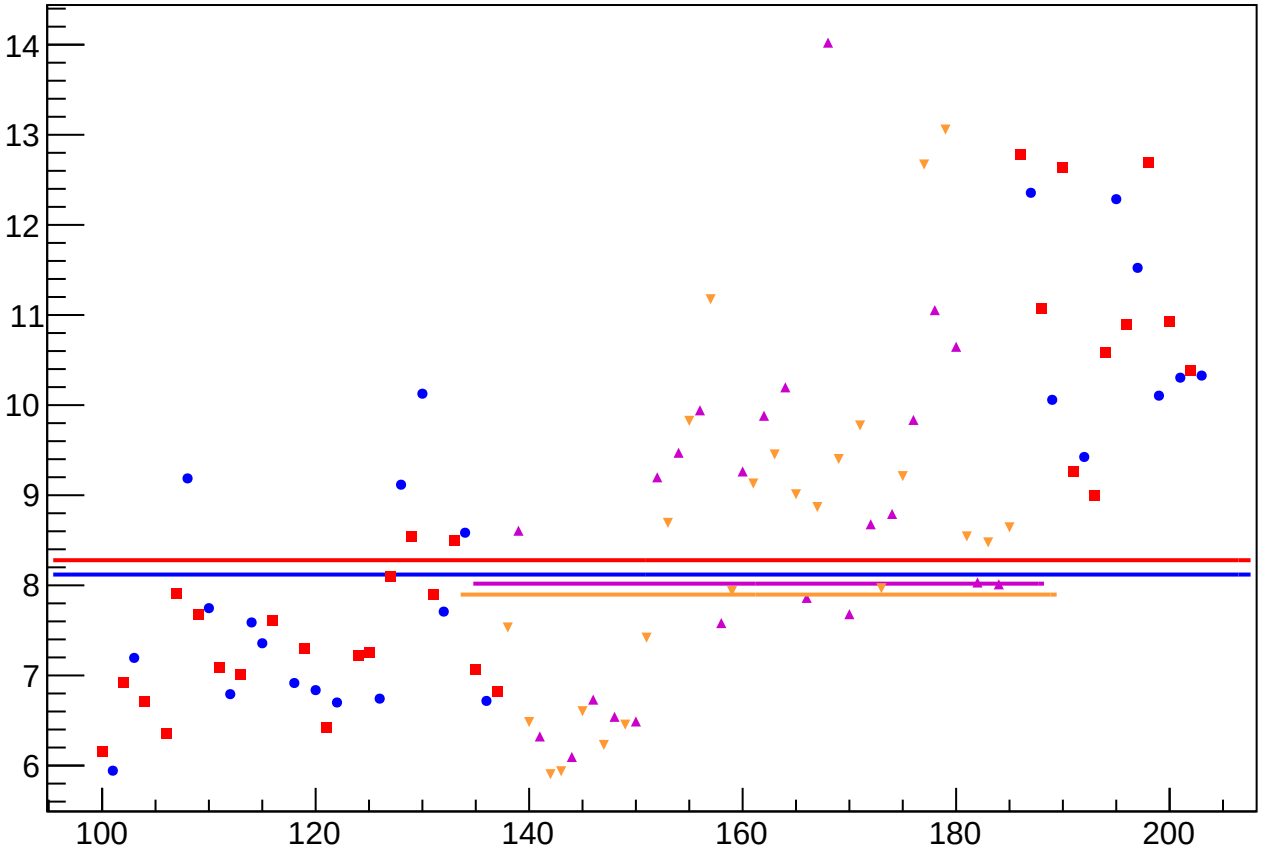
Right: -0.003+/-0.002 χ^2/NDF: 57.0/52

In: -0.001+/-0.001 χ^2/NDF:42.2/46

Out: -0.001+/-0.001 χ^2/NDF:60.2/53

All: -0.001+/-0.001 χ^2/NDF: 102.6/100

diff_dispE_bpm12X_rms vs Slug, Sign Corrected



Right In: 8.120+/-0.002 χ^2/NDF: 1198975.2/23

Left Out: 7.897+/-0.001 χ^2/NDF:1590867.7/24

Right Out: 8.279+/-0.002 χ^2/NDF: 1287423.9/28

Left In: 8.019+/-0.001 χ^2/NDF:1455714.6/22

Left: 7.956+/-0.001 χ^2/NDF: 3050743.5/47

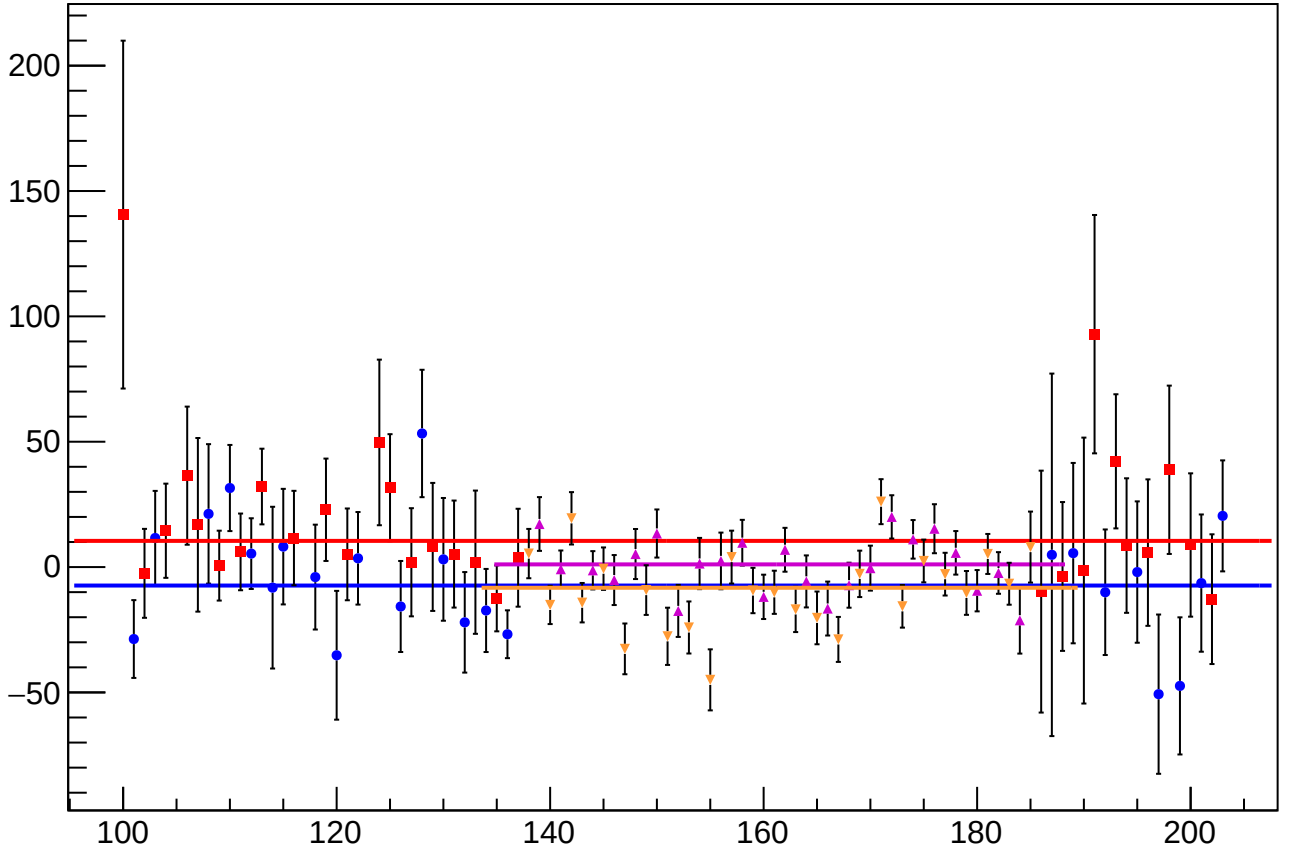
Right: 8.202+/-0.001 χ^2/NDF: 2491361.1/52

In: 8.060+/-0.001 χ^2/NDF:2656968.4/46

Out: 8.053+/-0.001 χ^2/NDF:2913120.9/53

All: 8.056+/-0.001 χ^2/NDF: 5570116.8/100

diff_targ_positionX_mean vs Slug, Sign Corrected



Right In: -7.366+/-4.111 χ^2/NDF: 28.8/23

Left Out: -8.256+/-1.849 χ^2/NDF:62.2/24

Right Out: 10.447+/-4.119 χ^2/NDF: 20.4/28

Left In: 1.072+/-1.921 χ^2/NDF:28.8/22

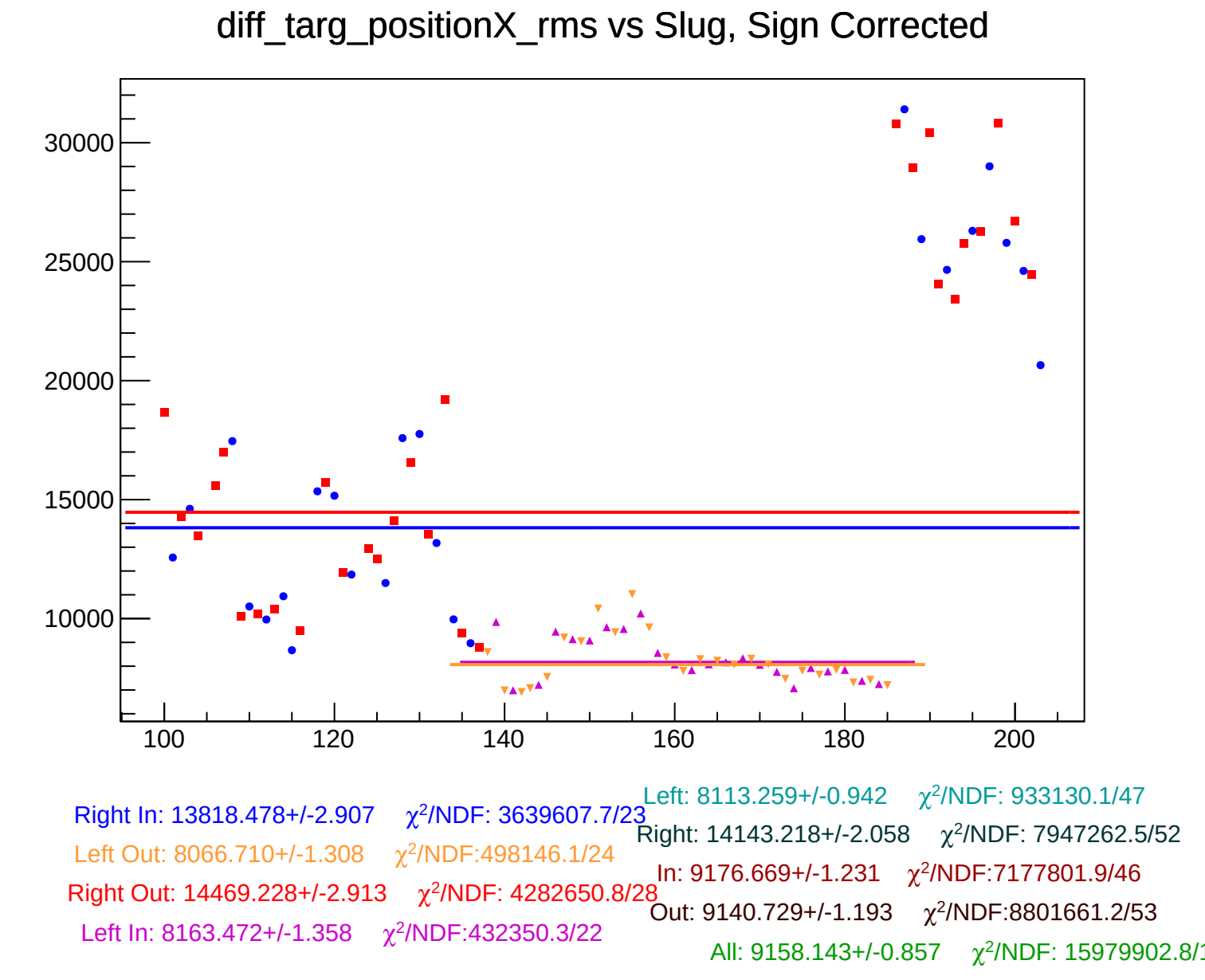
Left: -3.769+/-1.332 χ^2/NDF: 103.2/47

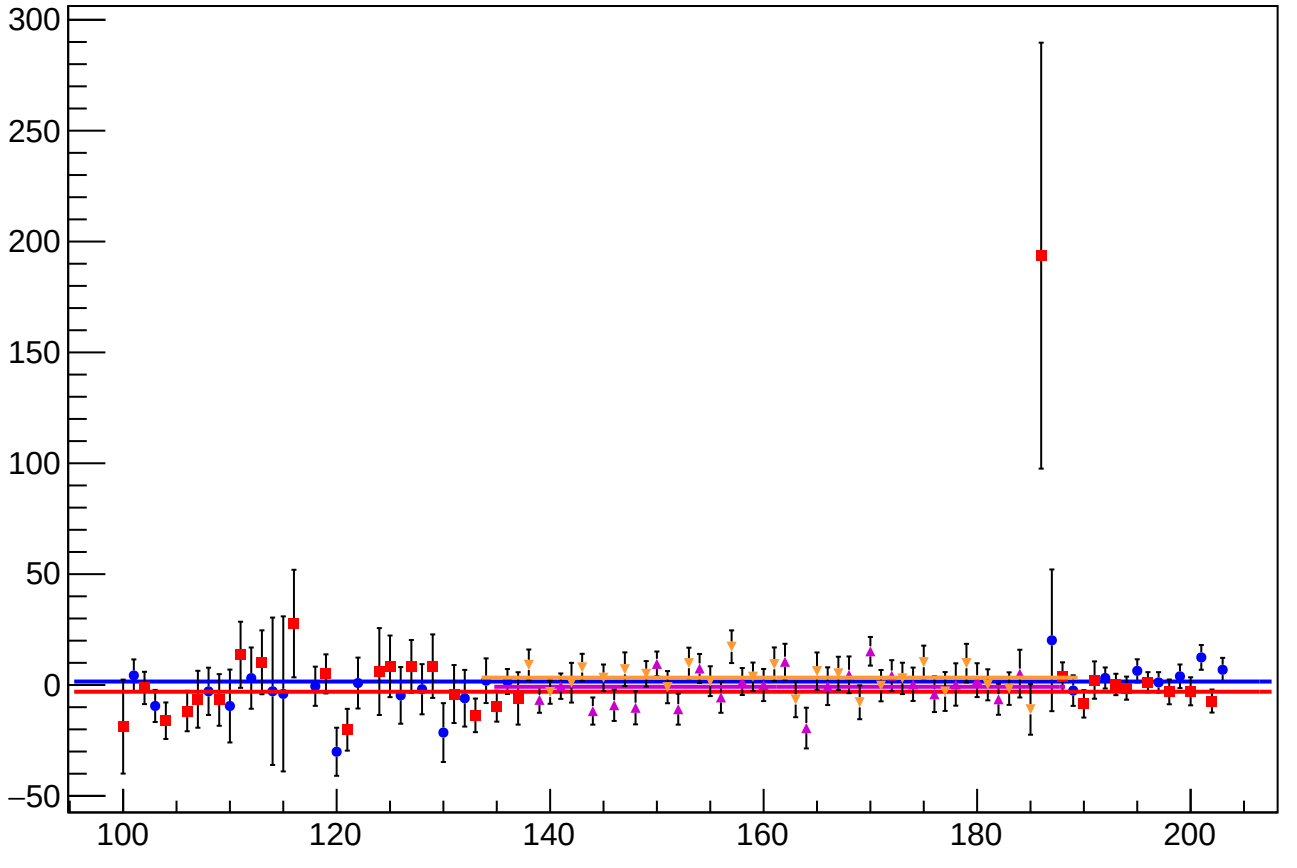
Right: 1.523+/-2.910 χ^2/NDF: 58.6/52

In: -0.440+/-1.740 χ^2/NDF:61.1/46

Out: -5.119+/-1.687 χ^2/NDF:99.7/53

All: -2.852+/-1.211 χ^2/NDF: 164.6/100


diff_targ_positionX_rms vs Slug, Sign Corrected
30000
25000
20000
15000
10000
100
120
140
160
180
200
Right In: 13818.478+/-2.907 χ²/NDF: 3639607.7/23
Left Out: 8066.710+/-1.308 χ²/NDF:498146.1/24
Right Out: 14469.228+/-2.913 χ²/NDF: 4282650.8/28
Left In: 8163.472+/-1.358 χ²/NDF:432350.3/22
Left: 8113.259+/-0.942 χ²/NDF: 933130.1/47
Right: 14143.218+/-2.058 χ²/NDF: 7947262.5/52
In: 9176.669+/-1.231 χ²/NDF:7177801.9/46
Out: 9140.729+/-1.193 χ²/NDF:8801661.2/53
All: 9158.143+/-0.857 χ²/NDF: 15979902.8/1



Right In: 1.567+/-1.571 χ^2/NDF: 22.0/23

Left Out: 3.330+/-1.431 χ^2/NDF:16.9/24

Right Out: -3.033+/-1.484 χ^2/NDF: 26.0/28

Left In: -0.797+/-1.479 χ^2/NDF:29.4/22

Left: 1.335+/-1.028 χ^2/NDF: 50.4/47

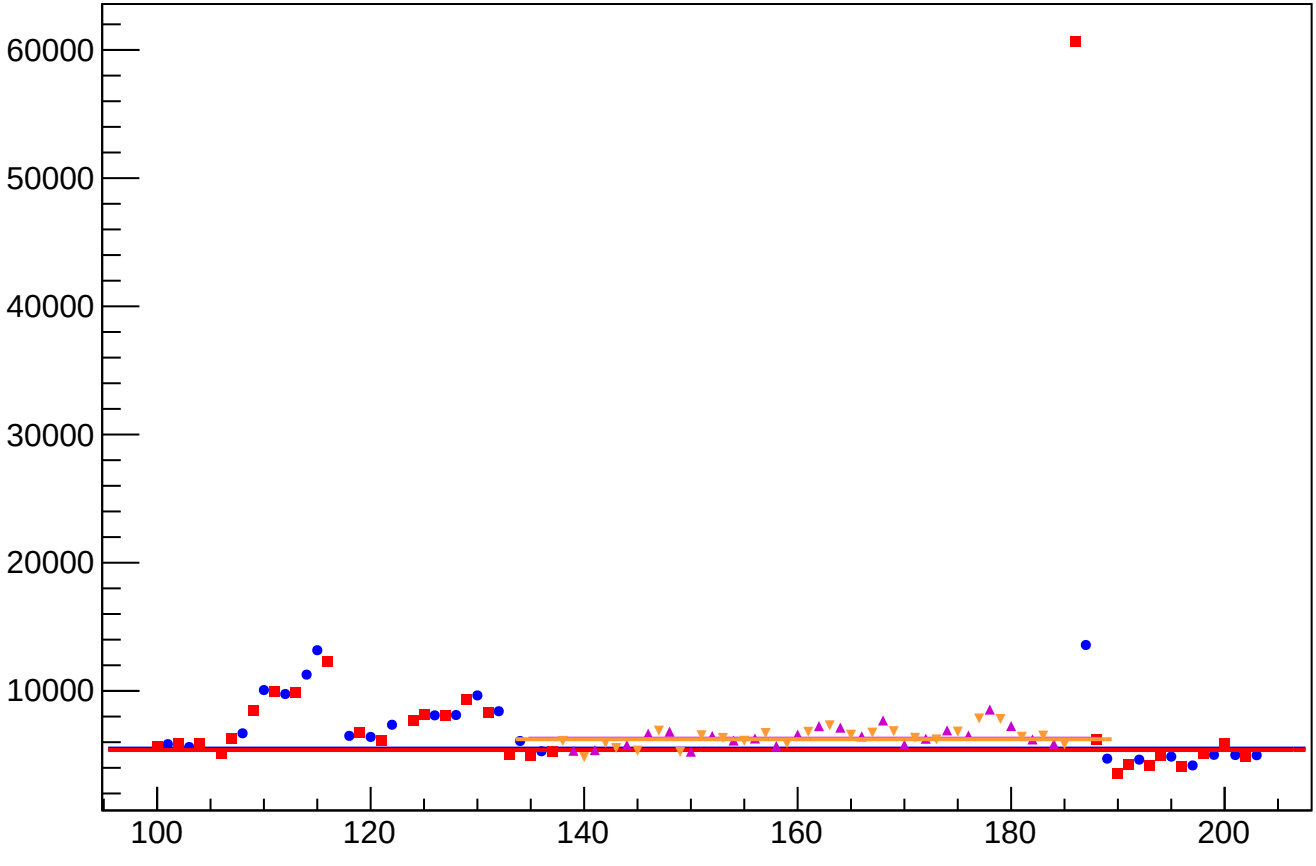
Right: -0.863+/-1.079 χ^2/NDF: 52.6/52

In: 0.314+/-1.077 χ^2/NDF:52.7/46

Out: 0.265+/-1.030 χ^2/NDF:52.5/53

All: 0.288+/-0.744 χ^2/NDF: 105.1/100

diff_targ_positionY_rms vs Slug, Sign Corrected



Right In: 5499.713+/-1.111 χ^2/NDF: 1583382.6/23

Left Out: 6230.934+/-1.012 χ^2/NDF:532579.4/24

Right Out: 5388.317+/-1.049 χ^2/NDF: 2477040.7/28

Left In: 6270.834+/-1.046 χ^2/NDF:504723.6/22

Left: 6250.225+/-0.727 χ^2/NDF: 1038055.2/47

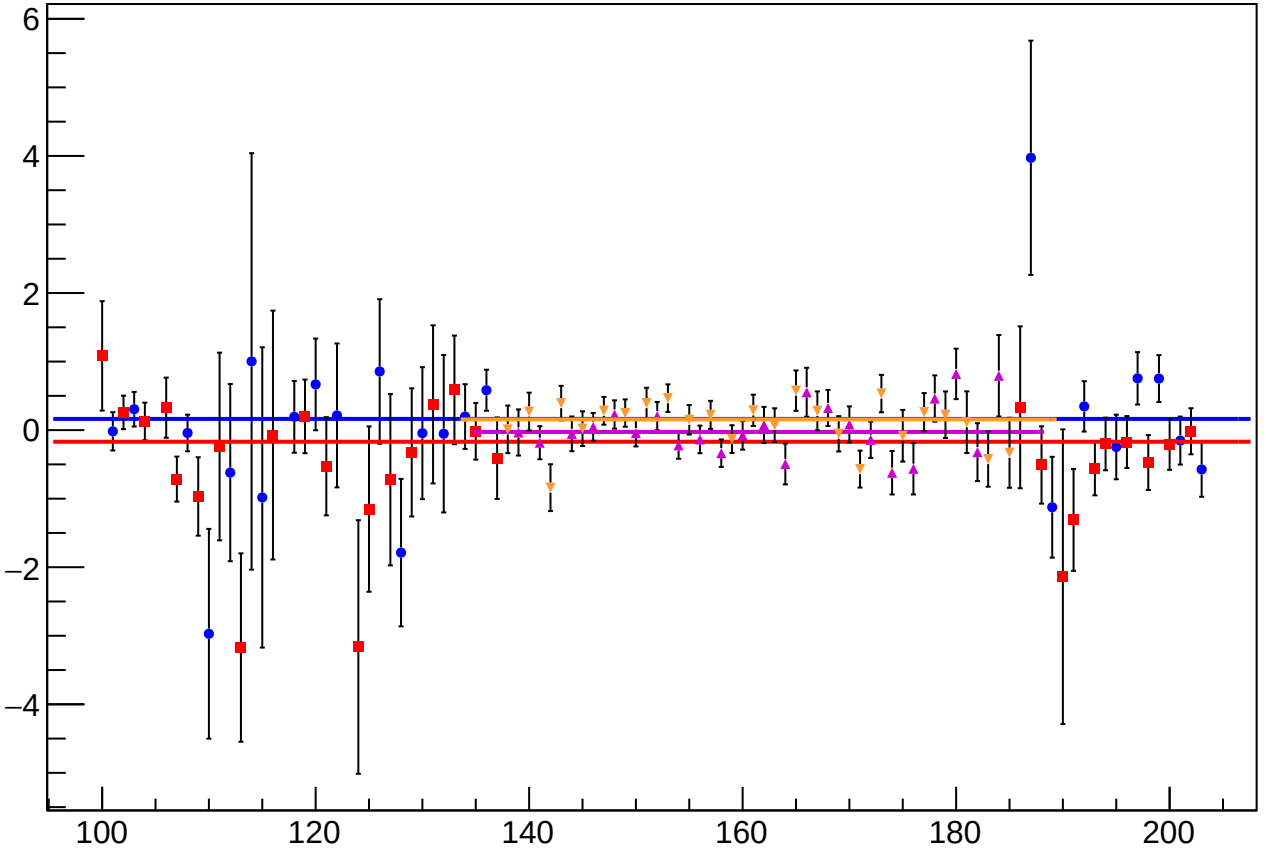
Right: 5440.867+/-0.763 χ^2/NDF: 4065738.1/52

In: 5908.507+/-0.761 χ^2/NDF:2343687.7/46

Out: 5825.129+/-0.728 χ^2/NDF:3343796.7/53

All: 5864.974+/-0.526 χ^2/NDF: 5693747.5/10

diff_targ_thetaX_mean vs Slug, Sign Corrected



Right In: 0.164+/-0.094 χ^2/NDF: 31.2/23

Left Out: 0.156+/-0.052 χ^2/NDF:32.3/24

Right Out: -0.170+/-0.092 χ^2/NDF: 28.7/28

Left In: -0.026+/-0.053 χ^2/NDF:29.8/22

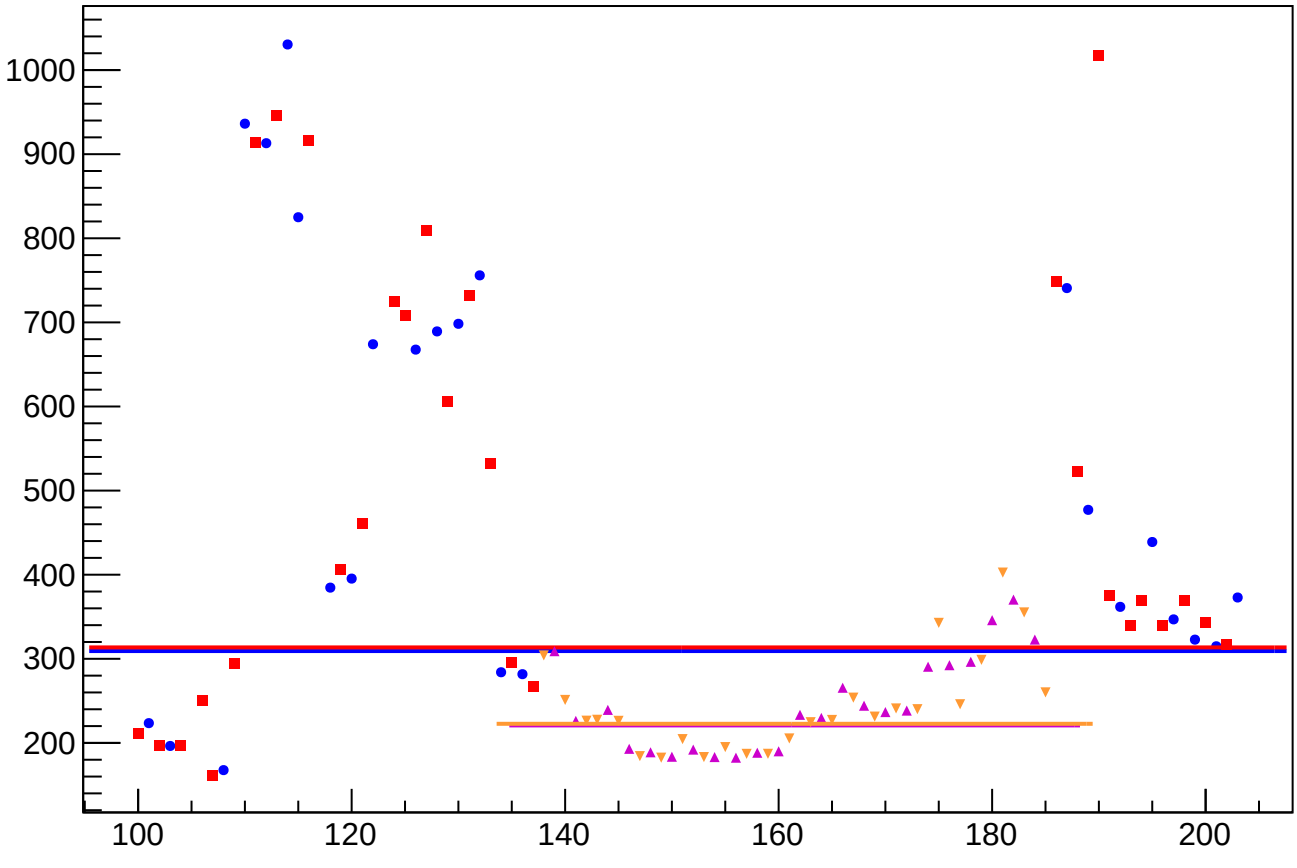
Left: 0.066+/-0.037 χ^2/NDF: 68.1/47

Right: -0.006+/-0.066 χ^2/NDF: 66.4/52

In: 0.020+/-0.046 χ^2/NDF:64.1/46

Out: 0.077+/-0.045 χ^2/NDF:70.5/53

All: 0.049+/-0.032 χ^2/NDF: 135.4/100



Right In: 309.225+/-0.066 χ^2/NDF: 4093825.2/23

Left Out: 222.727+/-0.037 χ^2/NDF:1451363.0/24

Right Out: 313.543+/-0.065 χ^2/NDF: 4644490.8/28

Left In: 220.802+/-0.037 χ^2/NDF:1471497.9/22

Left: 221.784+/-0.026 χ^2/NDF: 2924208.1/47

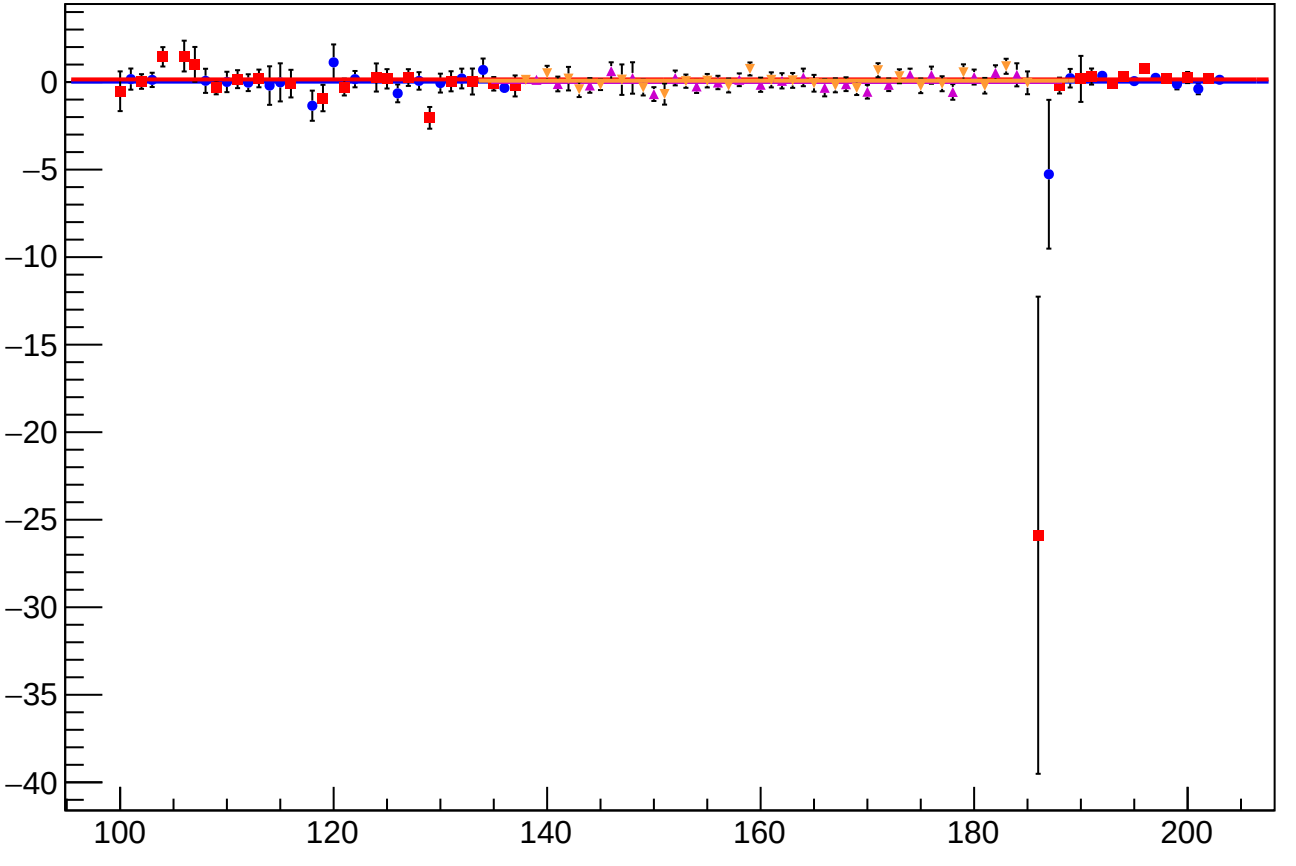
Right: 311.427+/-0.046 χ^2/NDF: 8740482.7/52

In: 242.213+/-0.033 χ^2/NDF:6914823.9/46

Out: 244.717+/-0.032 χ^2/NDF:7578043.0/53

All: 243.490+/-0.023 χ^2/NDF: 14495876.2/10

diff_targ_thetaY_mean vs Slug, Sign Corrected



Right In: 0.025+/-0.084 χ^2/NDF: 14.7/23

Left Out: 0.079+/-0.084 χ^2/NDF:19.0/24

Right Out: 0.152+/-0.083 χ^2/NDF: 37.9/28

Left In: 0.009+/-0.083 χ^2/NDF:15.2/22

Left: 0.043+/-0.059 χ^2/NDF: 34.6/47

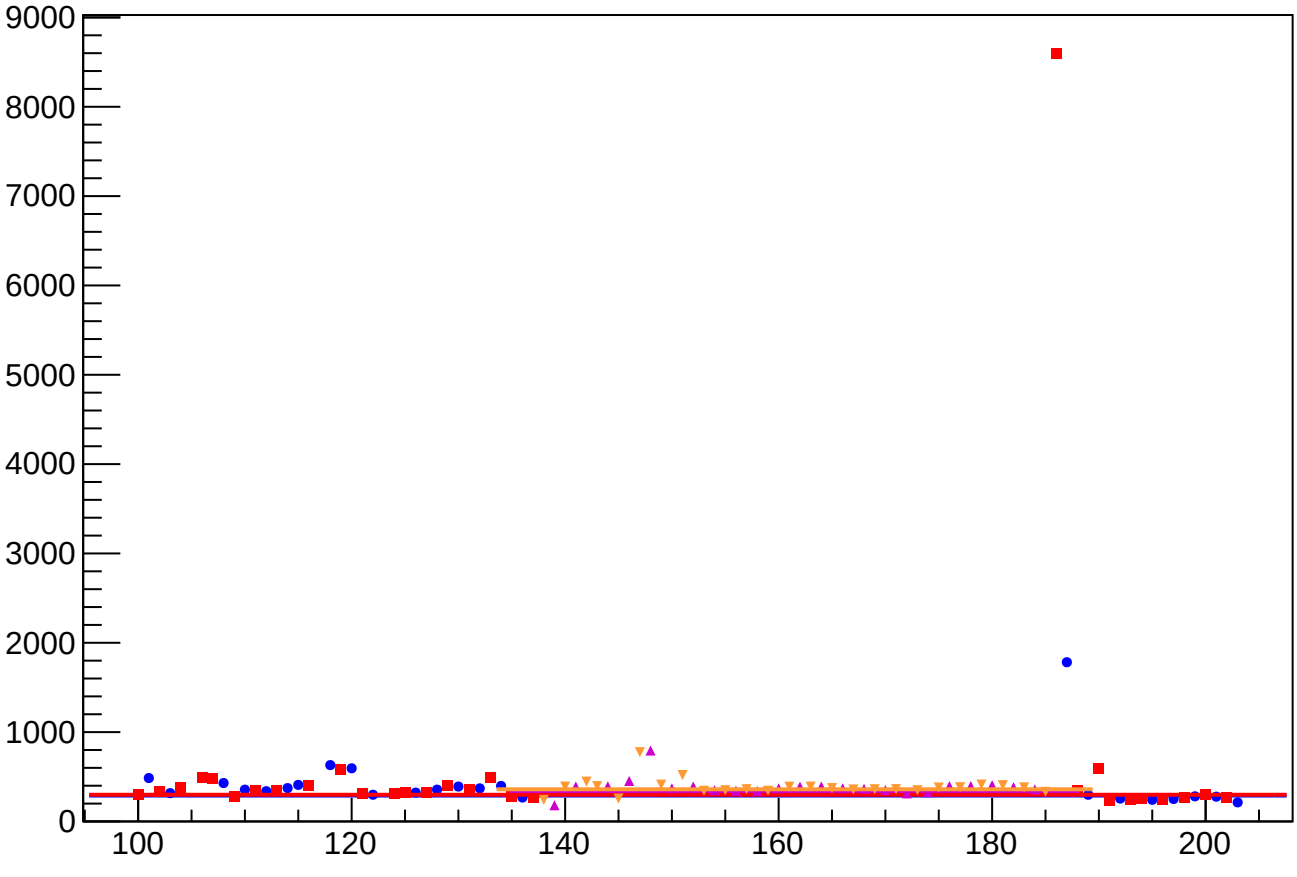
Right: 0.089+/-0.059 χ^2/NDF: 53.7/52

In: 0.017+/-0.059 χ^2/NDF:29.9/46

Out: 0.116+/-0.059 χ^2/NDF:57.2/53

All: 0.066+/-0.042 χ^2/NDF: 88.6/100

diff_targ_thetaY_rms vs Slug, Sign Corrected



Right In: 290.357+/-0.059 χ^2/NDF: 1710193.2/23

Left Out: 360.021+/-0.060 χ^2/NDF:1339748.9/24

Right Out: 298.752+/-0.059 χ^2/NDF: 1961805.0/28

Left In: 340.020+/-0.059 χ^2/NDF:2225094.5/22

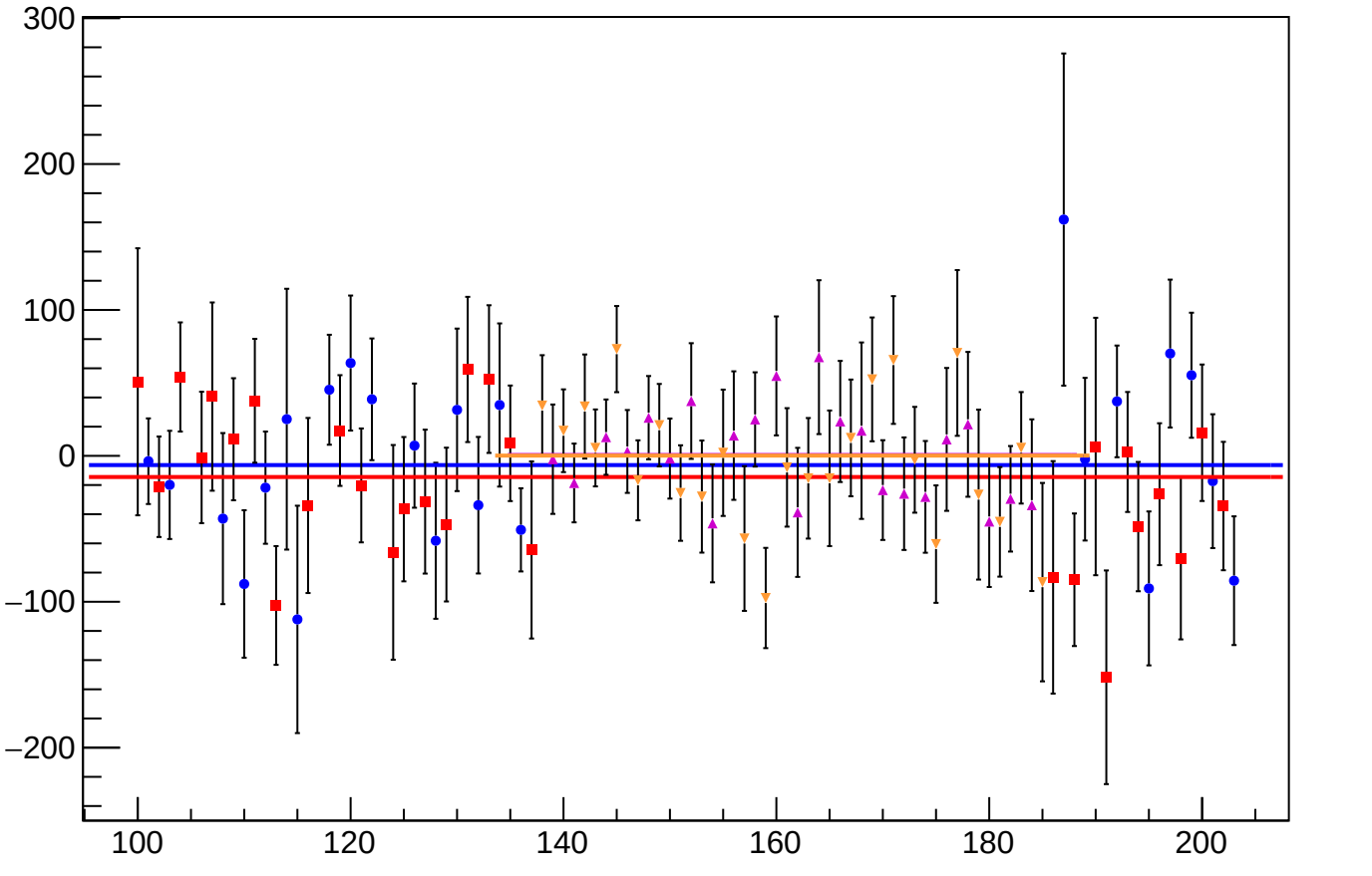
Left: 349.842+/-0.042 χ^2/NDF: 3622132.3/47

Right: 294.587+/-0.042 χ^2/NDF: 3682131.0/52

In: 315.461+/-0.042 χ^2/NDF:4290950.9/46

Out: 328.935+/-0.042 χ^2/NDF:3837459.6/53

All: 322.164+/-0.030 χ^2/NDF: 8180518.2/100



Right In: -6.326+/-9.175 χ^2/NDF: 29.1/23

Left Out: 0.168+/-7.375 χ^2/NDF:31.1/24

Right Out: -14.502+/-8.902 χ^2/NDF: 27.5/28

Left In: 0.586+/-7.667 χ^2/NDF:12.8/22

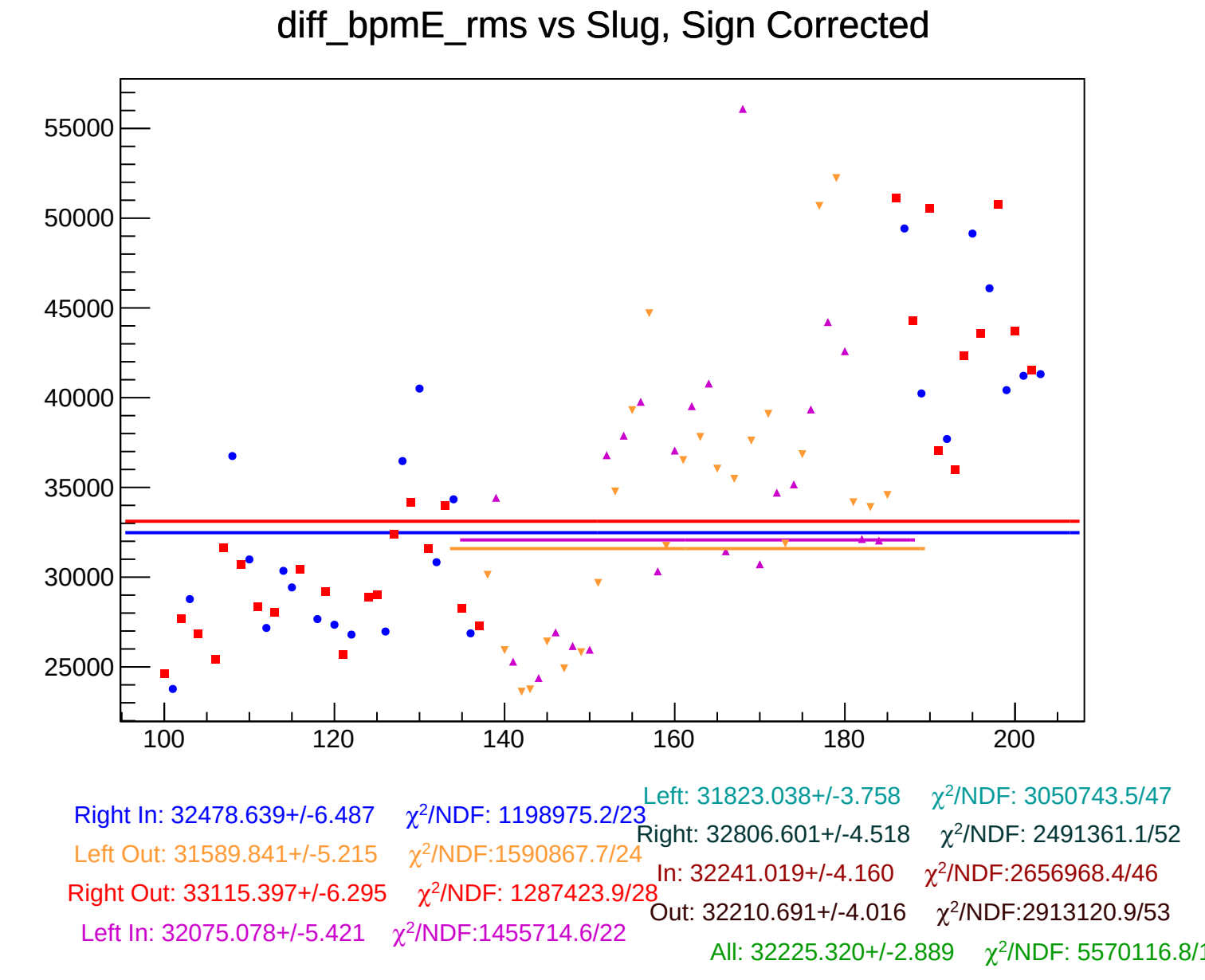
Left: 0.369+/-5.315 χ^2/NDF: 43.9/47

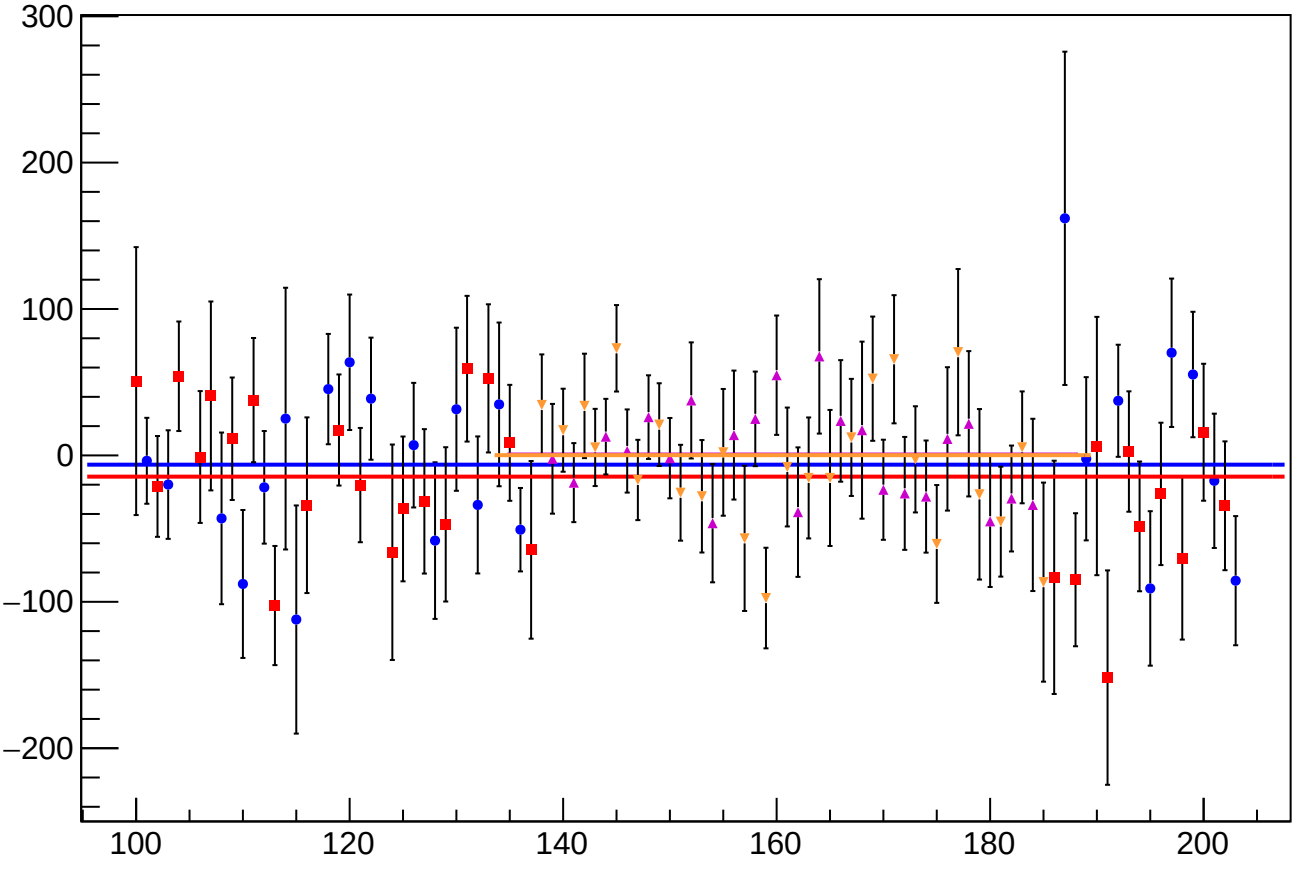
Right: -10.537+/-6.389 χ^2/NDF: 57.0/52

In: -2.256+/-5.883 χ^2/NDF:42.2/46

Out: -5.802+/-5.679 χ^2/NDF:60.2/53

All: -4.092+/-4.086 χ^2/NDF: 102.6/100


diff_bpmE_rms vs Slug, Sign Corrected
55000
50000
45000
40000
35000
30000
25000
100
120
140
160
180
200
Right In: 32478.639+/-6.487 χ²/NDF: 1198975.2/23
Left Out: 31589.841+/-5.215 χ²/NDF:1590867.7/24
Right Out: 33115.397+/-6.295 χ²/NDF: 1287423.9/28
Left In: 32075.078+/-5.421 χ²/NDF:1455714.6/22
Left: 31823.038+/-3.758 χ²/NDF: 3050743.5/47
Right: 32806.601+/-4.518 χ²/NDF: 2491361.1/52
In: 32241.019+/-4.160 χ²/NDF:2656968.4/46
Out: 32210.691+/-4.016 χ²/NDF:2913120.9/53
All: 32225.320+/-2.889 χ²/NDF: 5570116.8/1



Right In: -6.326+/-9.175 χ^2/NDF: 29.1/23

Left Out: 0.168+/-7.375 χ^2/NDF:31.1/24

Right Out: -14.502+/-8.902 χ^2/NDF: 27.5/28

Left In: 0.586+/-7.667 χ^2/NDF:12.8/22

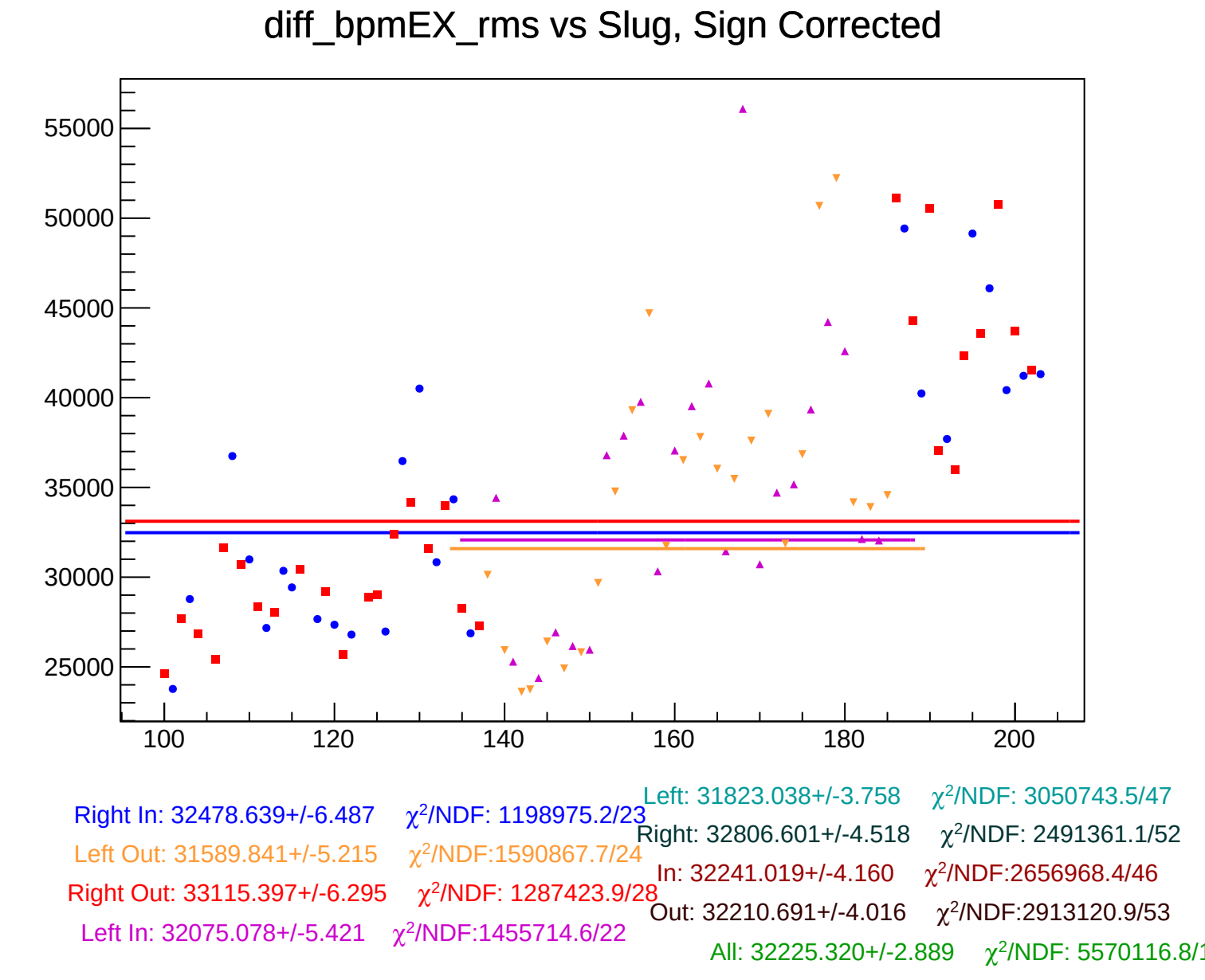
Left: 0.369+/-5.315 χ^2/NDF: 43.9/47

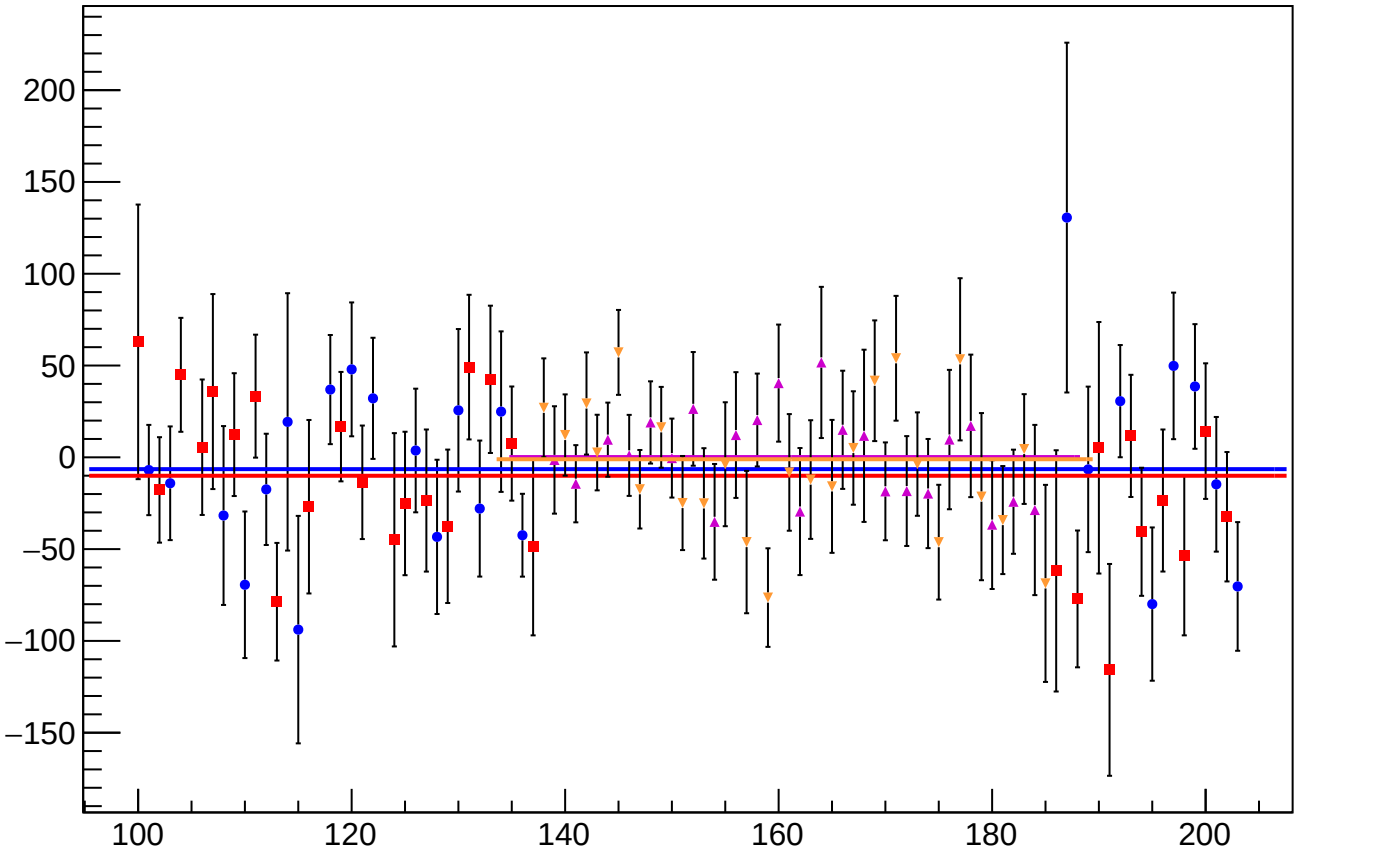
Right: -10.537+/-6.389 χ^2/NDF: 57.0/52

In: -2.256+/-5.883 χ^2/NDF:42.2/46

Out: -5.802+/-5.679 χ^2/NDF:60.2/53

All: -4.092+/-4.086 χ^2/NDF: 102.6/100


diff_bpmEX_rms vs Slug, Sign Corrected
55000
50000
45000
40000
35000
30000
25000
100
120
140
160
180
200
Right In: 32478.639+/-6.487 χ²/NDF: 1198975.2/23
Left Out: 31589.841+/-5.215 χ²/NDF:1590867.7/24
Right Out: 33115.397+/-6.295 χ²/NDF: 1287423.9/28
Left In: 32075.078+/-5.421 χ²/NDF:1455714.6/22
Left: 31823.038+/-3.758 χ²/NDF: 3050743.5/47
Right: 32806.601+/-4.518 χ²/NDF: 2491361.1/52
In: 32241.019+/-4.160 χ²/NDF:2656968.4/46
Out: 32210.691+/-4.016 χ²/NDF:2913120.9/53
All: 32225.320+/-2.889 χ²/NDF: 5570116.8/1



Right In: -6.437+/-7.337 χ^2/NDF: 29.3/23

Left Out: -1.042+/-5.755 χ^2/NDF:32.3/24

Right Out: -10.040+/-7.117 χ^2/NDF: 29.2/28

Left In: 0.147+/-5.985 χ^2/NDF:12.1/22

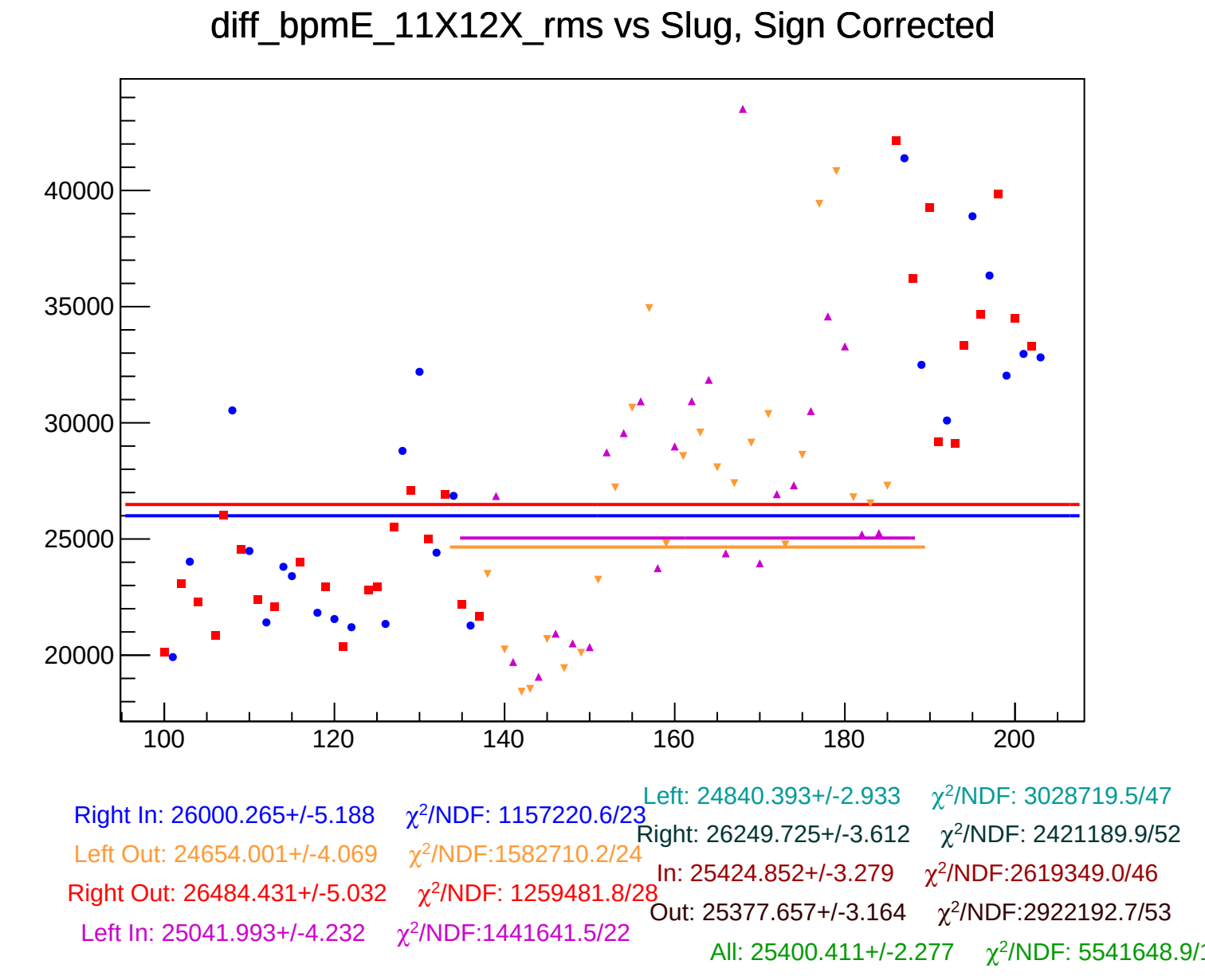
Left: -0.471+/-4.148 χ^2/NDF: 44.5/47

Right: -8.293+/-5.108 χ^2/NDF: 58.6/52

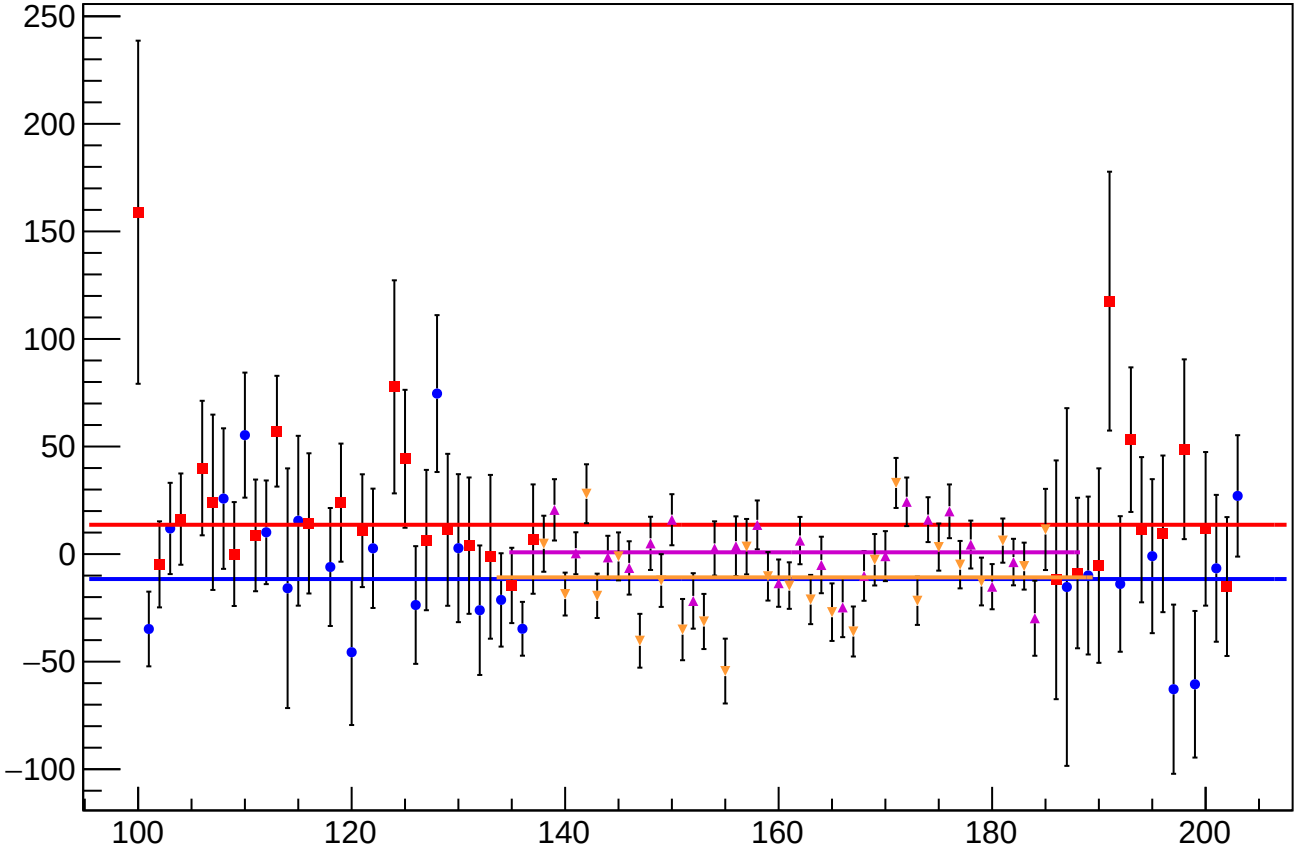
In: -2.484+/-4.638 χ^2/NDF:41.9/46

Out: -4.599+/-4.475 χ^2/NDF:62.5/53

All: -3.579+/-3.220 χ^2/NDF: 104.5/100


diff_bpmE_11X12X_rms vs Slug, Sign Corrected
40000
35000
30000
25000
20000
100
120
140
160
180
200
Right In: 26000.265+/-5.188 χ²/NDF: 1157220.6/23
Left Out: 24654.001+/-4.069 χ²/NDF:1582710.2/24
Right Out: 26484.431+/-5.032 χ²/NDF: 1259481.8/28
Left In: 25041.993+/-4.232 χ²/NDF:1441641.5/22
Left: 24840.393+/-2.933 χ²/NDF: 3028719.5/47
Right: 26249.725+/-3.612 χ²/NDF: 2421189.9/52
In: 25424.852+/-3.279 χ²/NDF:2619349.0/46
Out: 25377.657+/-3.164 χ²/NDF:2922192.7/53
All: 25400.411+/-2.277 χ²/NDF: 5541648.9/

diff_bpm4aesumX_mean vs Slug, Sign Corrected



Right In: -11.599+/-5.531 χ^2/NDF: 27.8/23

Left Out: -10.822+/-2.370 χ^2/NDF:61.3/24

Right Out: 13.628+/-5.653 χ^2/NDF: 20.6/28

Left In: 0.826+/-2.457 χ^2/NDF:29.4/22

Left: -5.207+/-1.706 χ^2/NDF: 102.3/47

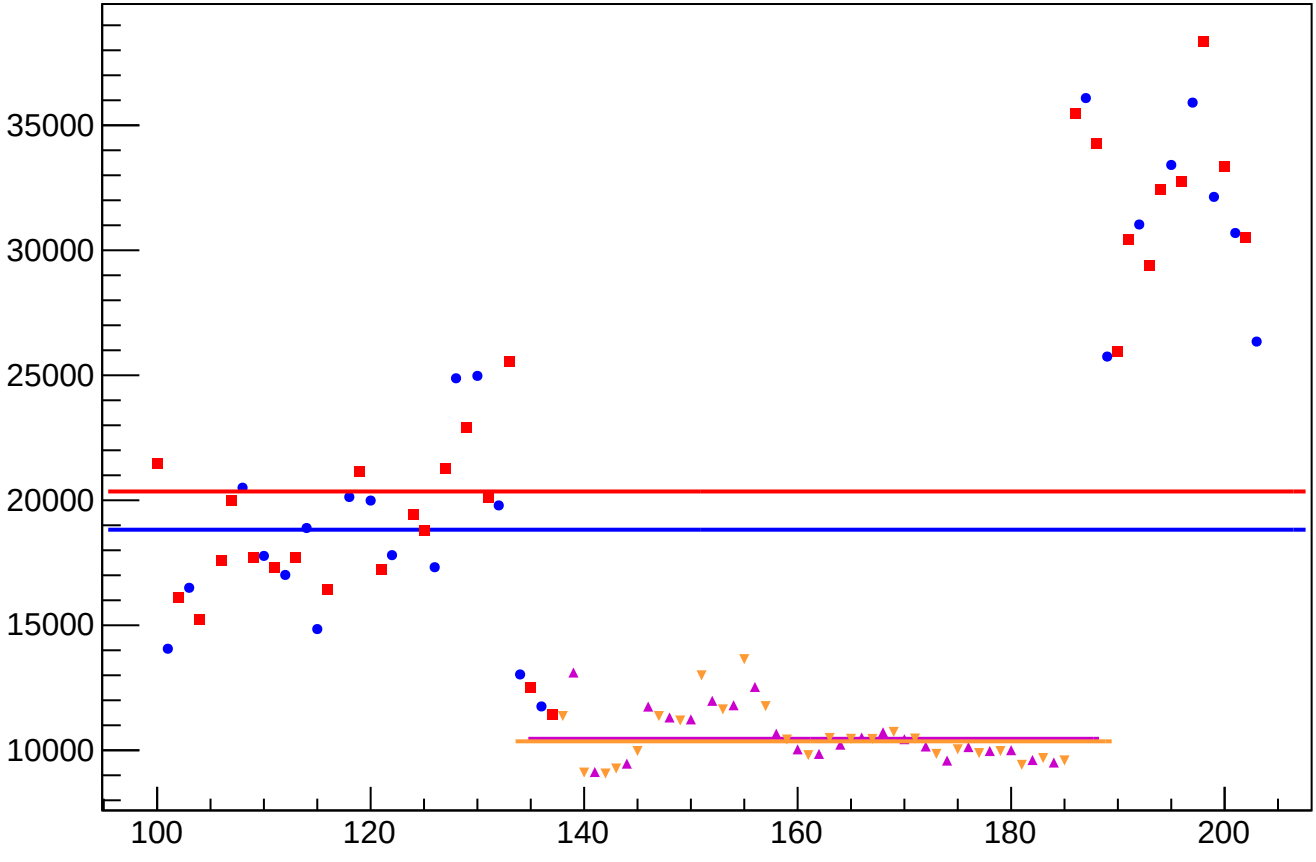
Right: 0.738+/-3.953 χ^2/NDF: 58.5/52

In: -1.222+/-2.245 χ^2/NDF:61.4/46

Out: -7.166+/-2.186 χ^2/NDF:97.7/53

All: -4.274+/-1.566 χ^2/NDF: 162.7/100

diff_bpm4aesumX_rms vs Slug, Sign Corrected



Right In: 18823.198+/-3.911 χ^2/NDF: 2988219.9/23

Left Out: 10358.363+/-1.676 χ^2/NDF:363077.1/24

Right Out: 20352.570+/-3.997 χ^2/NDF: 3076730.0/28

Left In: 10459.060+/-1.737 χ^2/NDF:314636.9/22

Left: 10406.904+/-1.206 χ^2/NDF: 679454.0/47

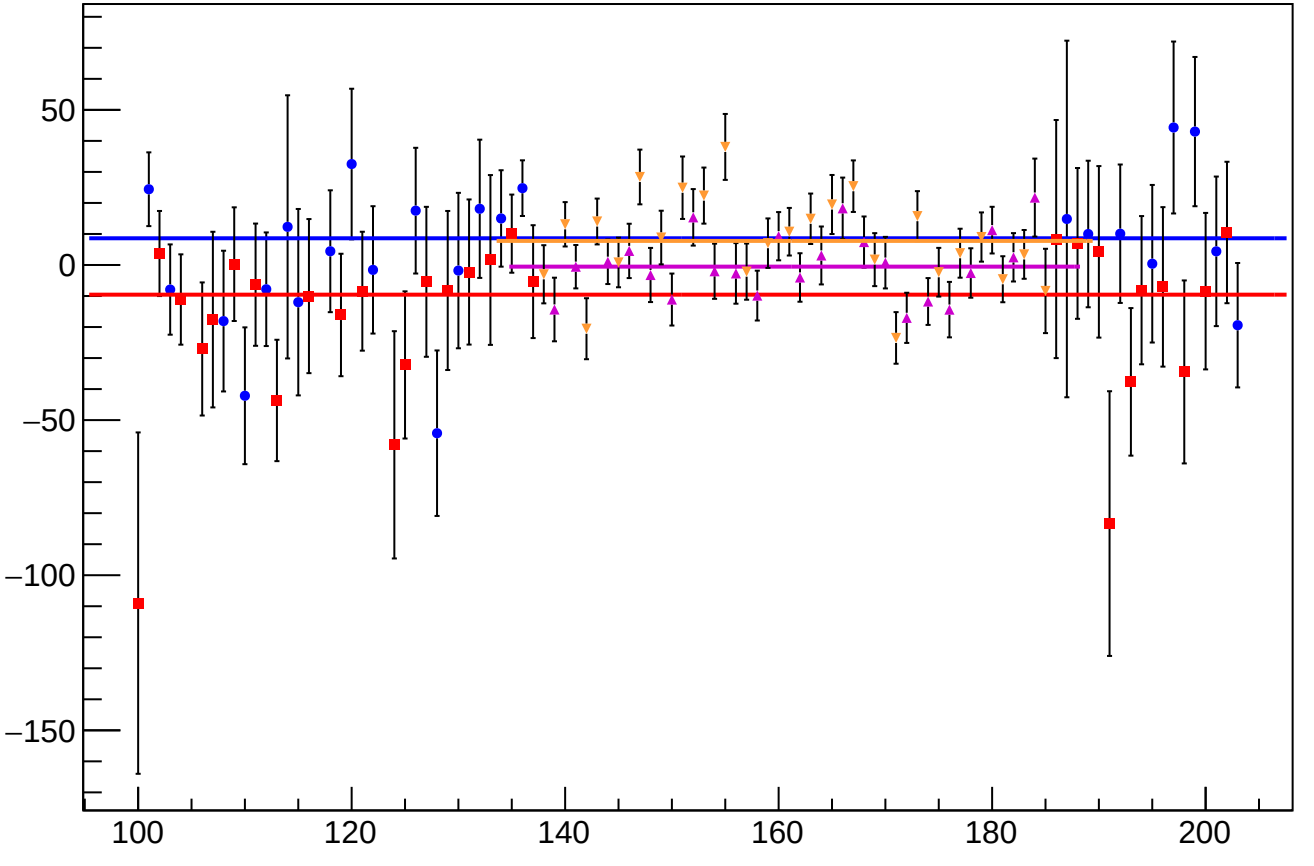
Right: 19571.168+/-2.795 χ^2/NDF: 6139747.7/52

In: 11837.777+/-1.588 χ^2/NDF:7123224.1/46

Out: 11852.874+/-1.546 χ^2/NDF:8756645.0/53

All: 11845.528+/-1.108 χ^2/NDF: 15879915.5

diff_bpm4aediffX_mean vs Slug, Sign Corrected



Right In: 8.611+/-3.952 χ^2/NDF: 27.6/23

Left Out: 7.763+/-1.691 χ^2/NDF:60.9/24

Right Out: -9.567+/-4.048 χ^2/NDF: 20.7/28

Left In: -0.532+/-1.752 χ^2/NDF:29.4/22

Left: 3.761+/-1.217 χ^2/NDF: 102.0/47

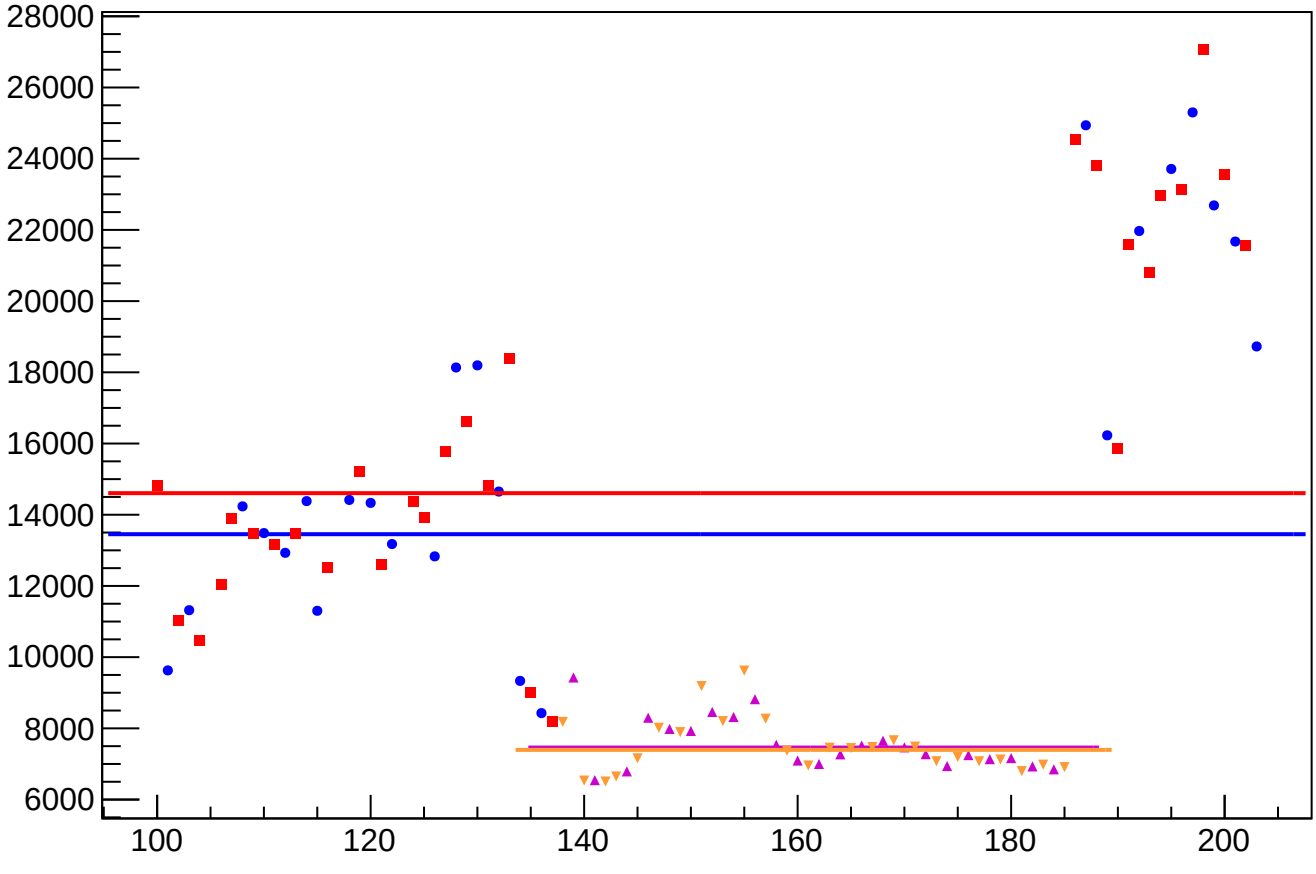
Right: -0.260+/-2.828 χ^2/NDF: 58.6/52

In: 0.970+/-1.602 χ^2/NDF:61.5/46

Out: 5.187+/-1.561 χ^2/NDF:97.2/53

All: 3.133+/-1.118 χ^2/NDF: 162.3/100

diff_bpm4aediffX_rms vs Slug, Sign Corrected



Right In: 13453.240+/-2.795 χ^2/NDF: 2938321.9/23

Left Out: 7395.667+/-1.196 χ^2/NDF:324459.4/24

Right Out: 14606.192+/-2.863 χ^2/NDF: 2968057.9/28

Left In: 7460.824+/-1.239 χ^2/NDF:284034.9/22

Left: 7427.101+/-0.860 χ^2/NDF: 609926.1/47

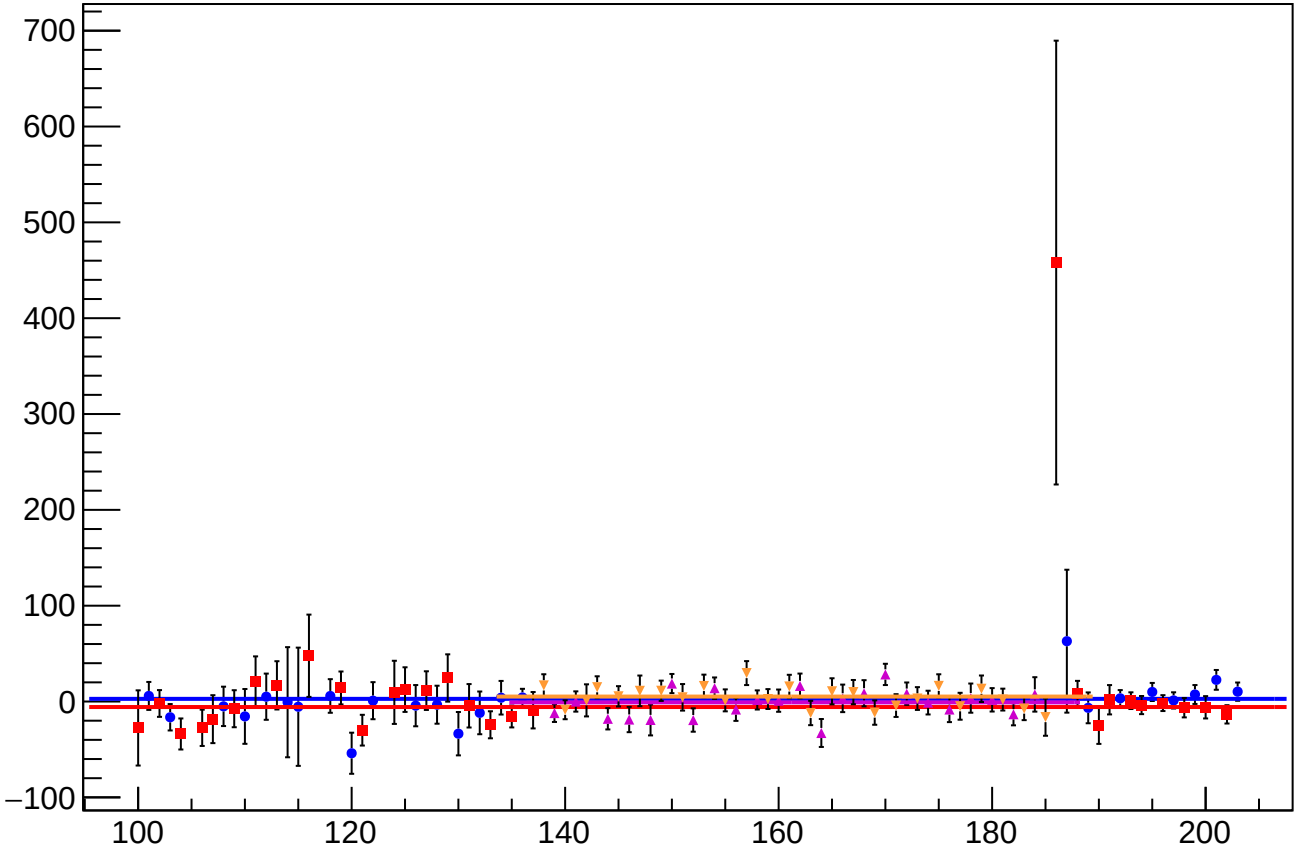
Right: 14015.918+/-2.000 χ^2/NDF: 5989435.7/52

In: 8444.869+/-1.133 χ^2/NDF:7064723.6/46

Out: 8467.399+/-1.104 χ^2/NDF:8694539.8/53

All: 8456.425+/-0.790 χ^2/NDF: 15759466.4/1

diff_bpm4aesumY_mean vs Slug, Sign Corrected



Right In: 2.794+/-2.867 χ^2/NDF: 19.0/23

Left Out: 5.178+/-2.459 χ^2/NDF:18.4/24

Right Out: -5.744+/-2.761 χ^2/NDF: 25.3/28

Left In: -0.891+/-2.519 χ^2/NDF:31.8/22

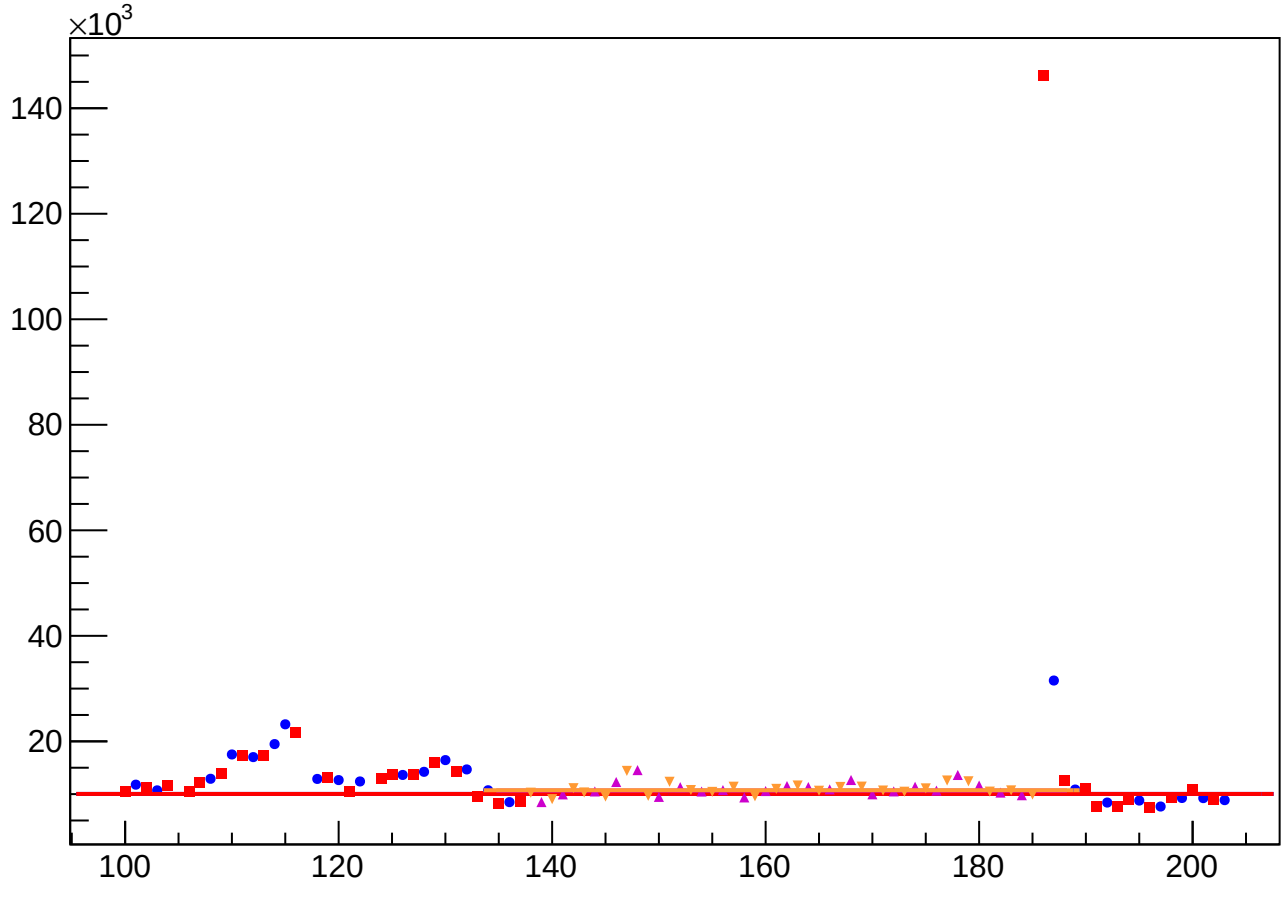
Left: 2.216+/-1.759 χ^2/NDF: 53.2/47

Right: -1.636+/-1.989 χ^2/NDF: 48.9/52

In: 0.714+/-1.892 χ^2/NDF:51.7/46

Out: 0.347+/-1.836 χ^2/NDF:52.4/53

All: 0.525+/-1.318 χ^2/NDF: 104.2/100



Right In: 10034.083+/-2.027 χ^2/NDF: 1584137.8/23

Left Out: 10733.733+/-1.739 χ^2/NDF:368279.7/24

Right Out: 10030.972+/-1.952 χ^2/NDF: 2287558.1/28

Left In: 10677.154+/-1.781 χ^2/NDF:500574.4/22

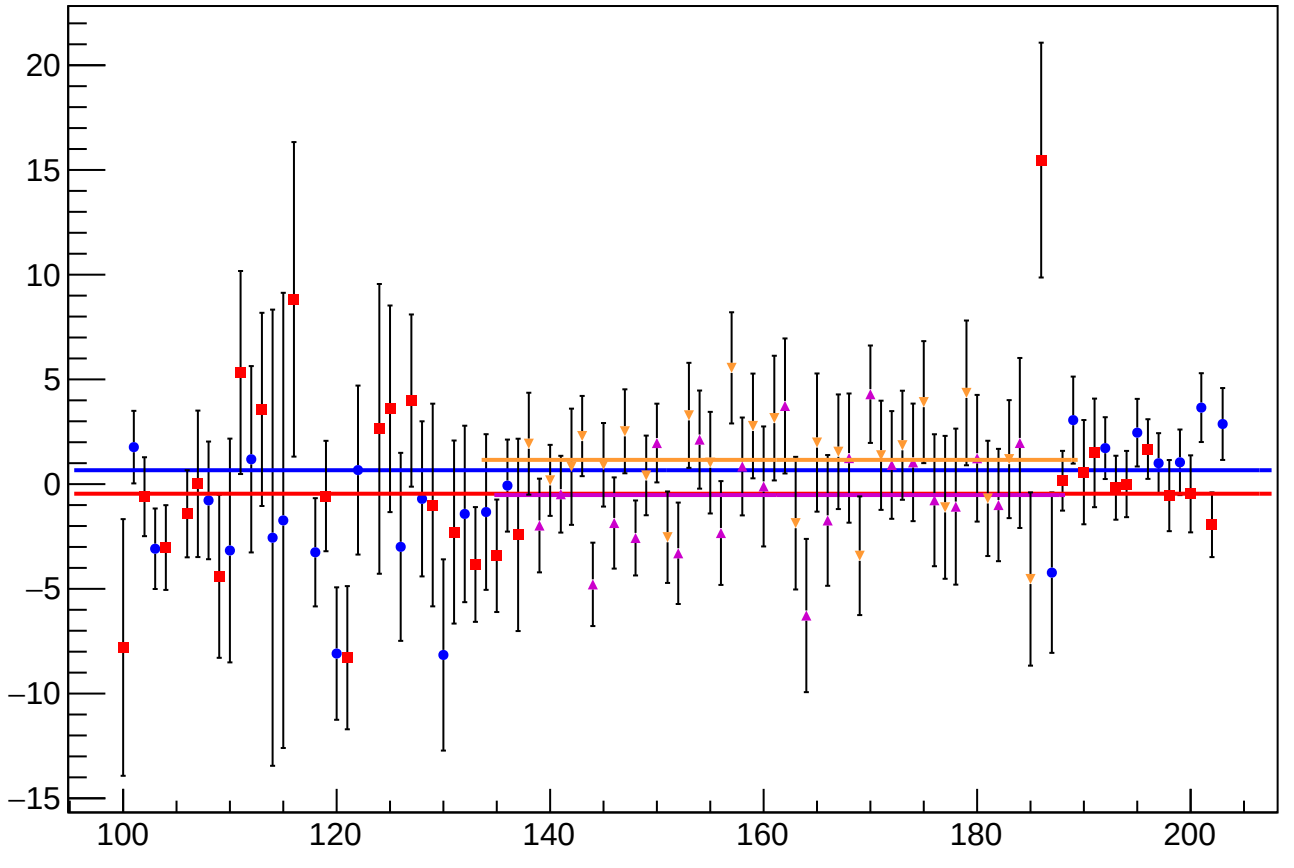
Left: 10706.122+/-1.244 χ^2/NDF: 869370.9/47

Right: 10032.469+/-1.406 χ^2/NDF: 3871697.1/52

In: 10397.036+/-1.338 χ^2/NDF:2141511.3/46

Out: 10422.886+/-1.298 χ^2/NDF:2728102.2/53

All: 10410.348+/-0.932 χ^2/NDF: 4869805.7/1



Right In: 0.664+/-0.477 χ^2/NDF: 30.1/23

Left Out: 1.158+/-0.500 χ^2/NDF:16.8/24

Right Out: -0.458+/-0.446 χ^2/NDF: 30.7/28

Left In: -0.522+/-0.520 χ^2/NDF:22.3/22

Left: 0.350+/-0.360 χ^2/NDF: 44.6/47

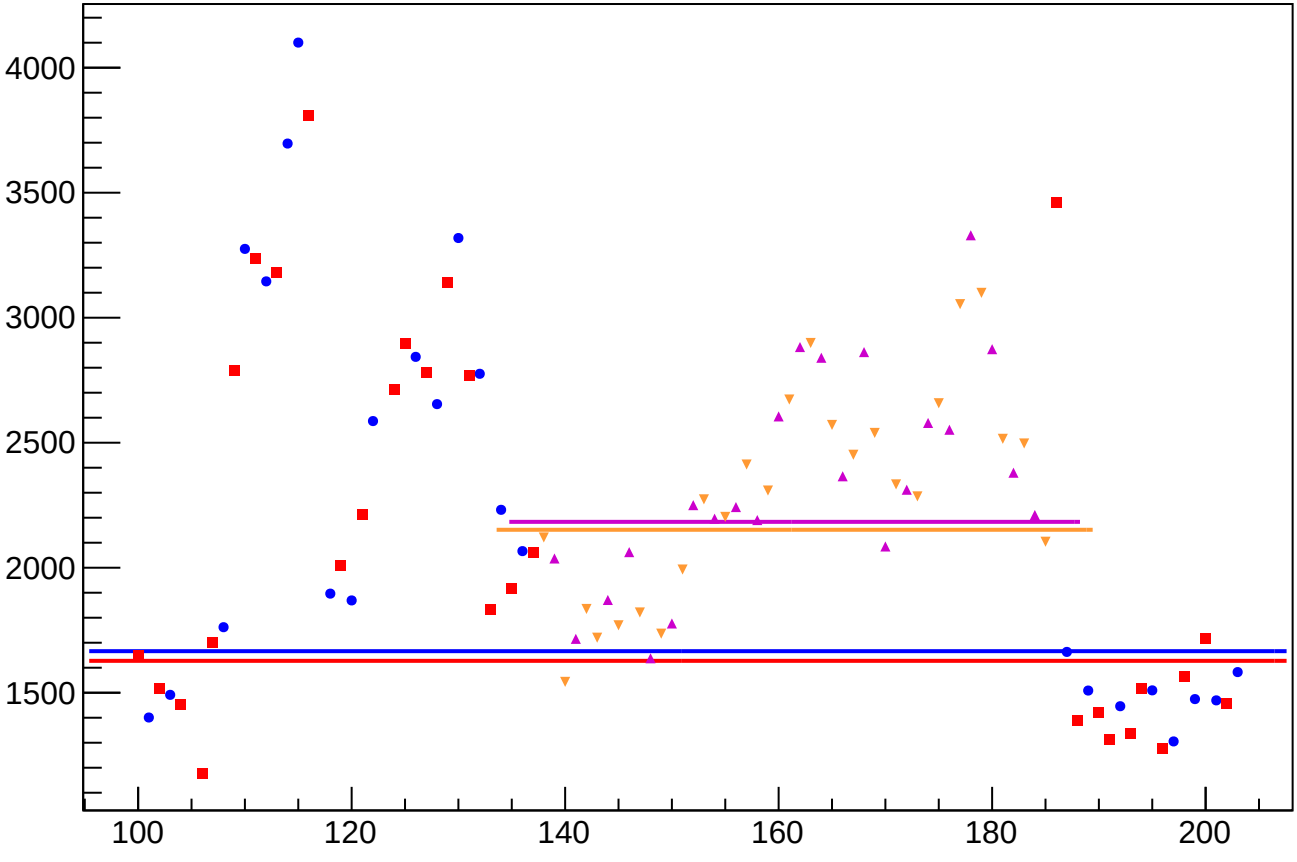
Right: 0.066+/-0.326 χ^2/NDF: 63.7/52

In: 0.122+/-0.351 χ^2/NDF:55.2/46

Out: 0.258+/-0.333 χ^2/NDF:53.4/53

All: 0.194+/-0.242 χ^2/NDF: 108.6/100

diff_bpm4aediffY_rms vs Slug, Sign Corrected



Right In: 1666.231+/-0.337 χ^2/NDF: 1824705.6/23

Left Out: 2151.757+/-0.354 χ^2/NDF:1349537.9/24

Right Out: 1627.547+/-0.316 χ^2/NDF: 2281571.7/28

Left In: 2183.482+/-0.368 χ^2/NDF:1162266.2/22

Left: 2167.006+/-0.255 χ^2/NDF: 2515672.1/47

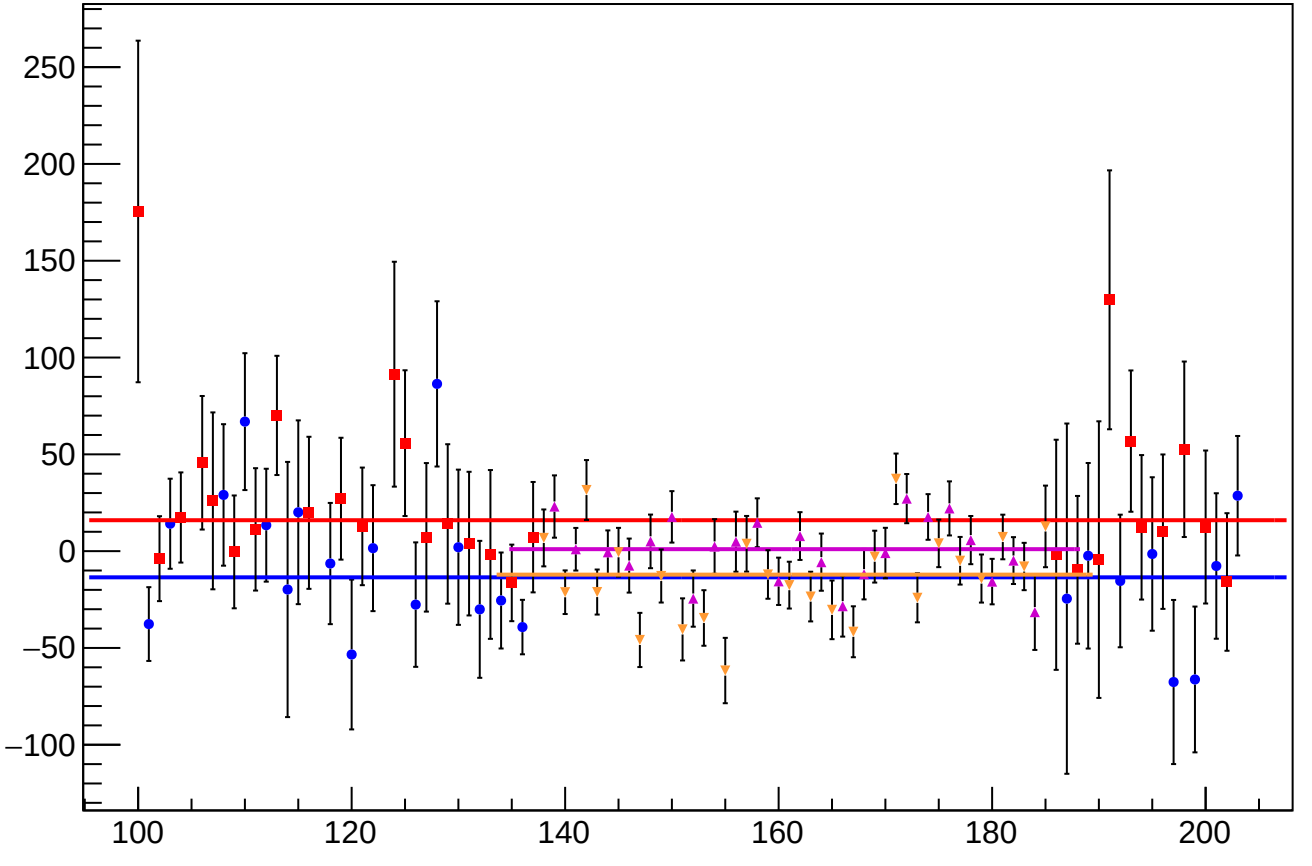
Right: 1645.609+/-0.230 χ^2/NDF: 4113293.1/52

In: 1902.592+/-0.248 χ^2/NDF:4062167.3/46

Out: 1859.927+/-0.235 χ^2/NDF:4854286.5/53

All: 1880.112+/-0.171 χ^2/NDF: 8931986.1/10

diff_bpmtargetsumX_mean vs Slug, Sign Corrected



Right In: -13.526+/-6.284 χ^2/NDF: 27.5/23

Left Out: -12.135+/-2.661 χ^2/NDF:62.6/24

Right Out: 15.975+/-6.446 χ^2/NDF: 20.6/28

Left In: 1.024+/-2.758 χ^2/NDF:28.8/22

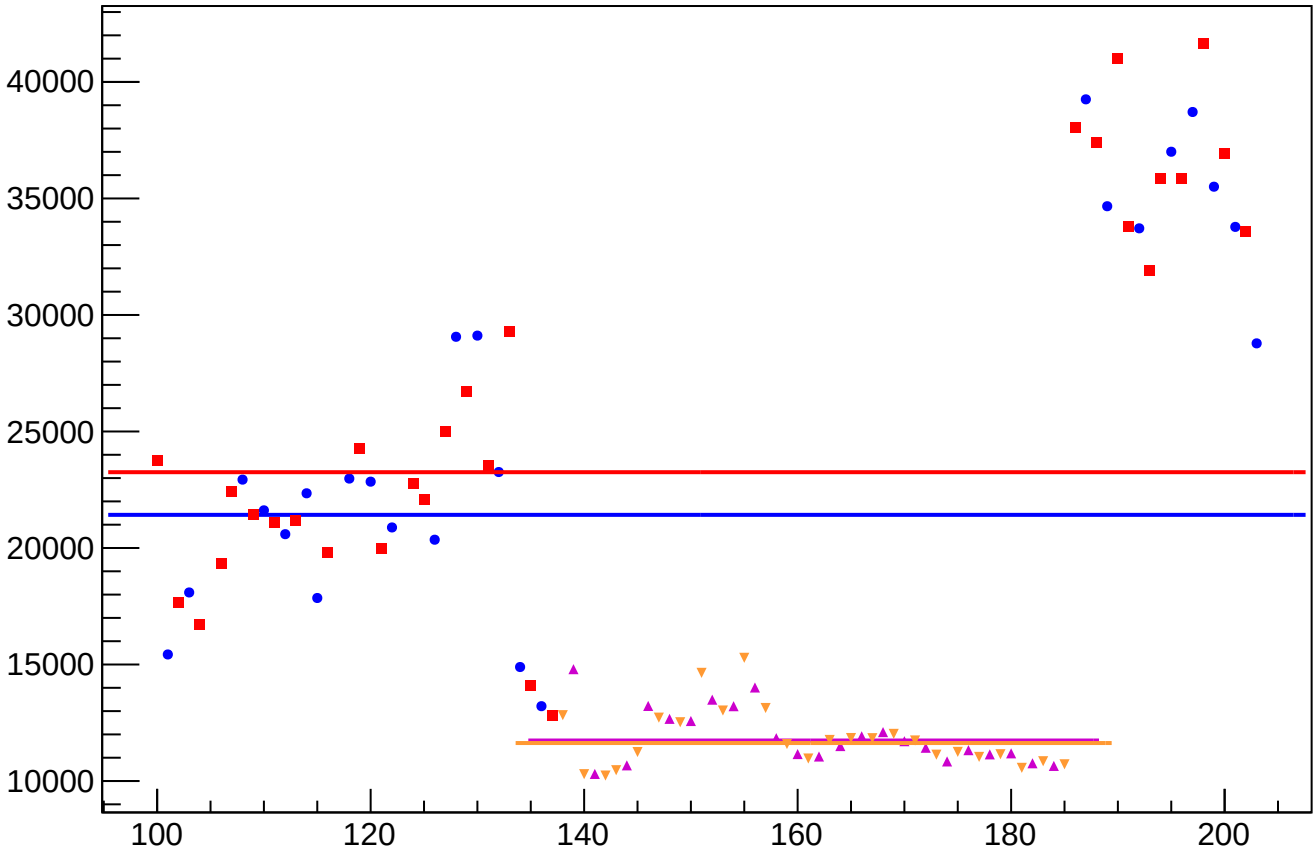
Left: -5.790+/-1.915 χ^2/NDF: 103.2/47

Right: 0.849+/-4.500 χ^2/NDF: 58.9/52

In: -1.325+/-2.525 χ^2/NDF:60.8/46

Out: -8.042+/-2.460 χ^2/NDF:99.5/53

All: -4.772+/-1.762 χ^2/NDF: 163.9/100



Right In: 21422.332+/-4.444 χ^2/NDF: 2969359.8/23

Left Out: 11630.201+/-1.882 χ^2/NDF:356022.1/24

Right Out: 23253.046+/-4.558 χ^2/NDF: 2984620.2/28

Left In: 11738.371+/-1.950 χ^2/NDF:313542.0/22

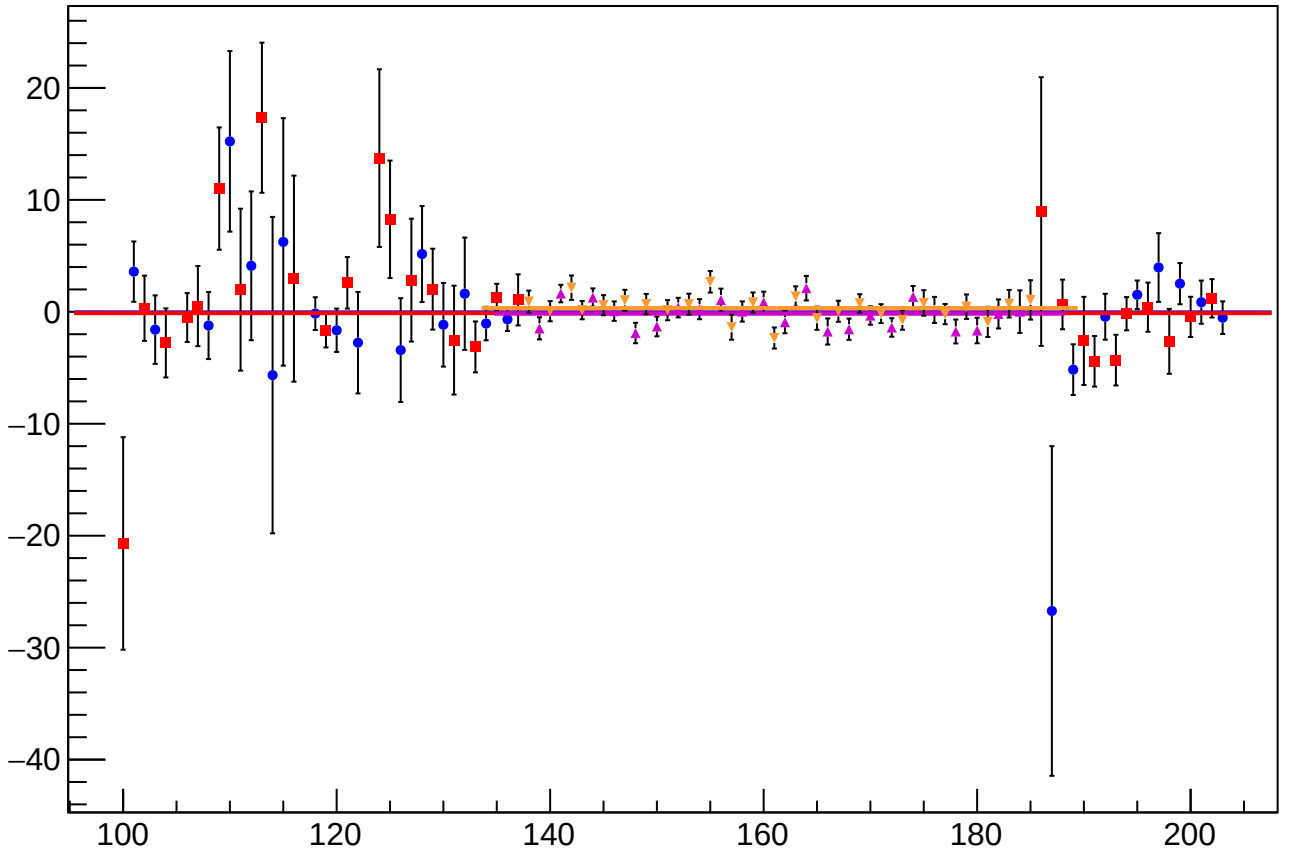
Left: 11682.361+/-1.354 χ^2/NDF: 671157.6/47

Right: 22314.406+/-3.182 χ^2/NDF: 6036690.6/52

In: 13302.000+/-1.786 χ^2/NDF:7265502.4/46

Out: 13322.589+/-1.739 χ^2/NDF:8896148.5/53

All: 13312.564+/-1.246 χ^2/NDF: 16161719.1



Right In: -0.049+/-0.449 χ^2/NDF: 24.7/23

Left Out: 0.343+/-0.194 χ^2/NDF:26.8/24

Right Out: -0.121+/-0.467 χ^2/NDF: 38.5/28

Left In: -0.165+/-0.201 χ^2/NDF:36.3/22

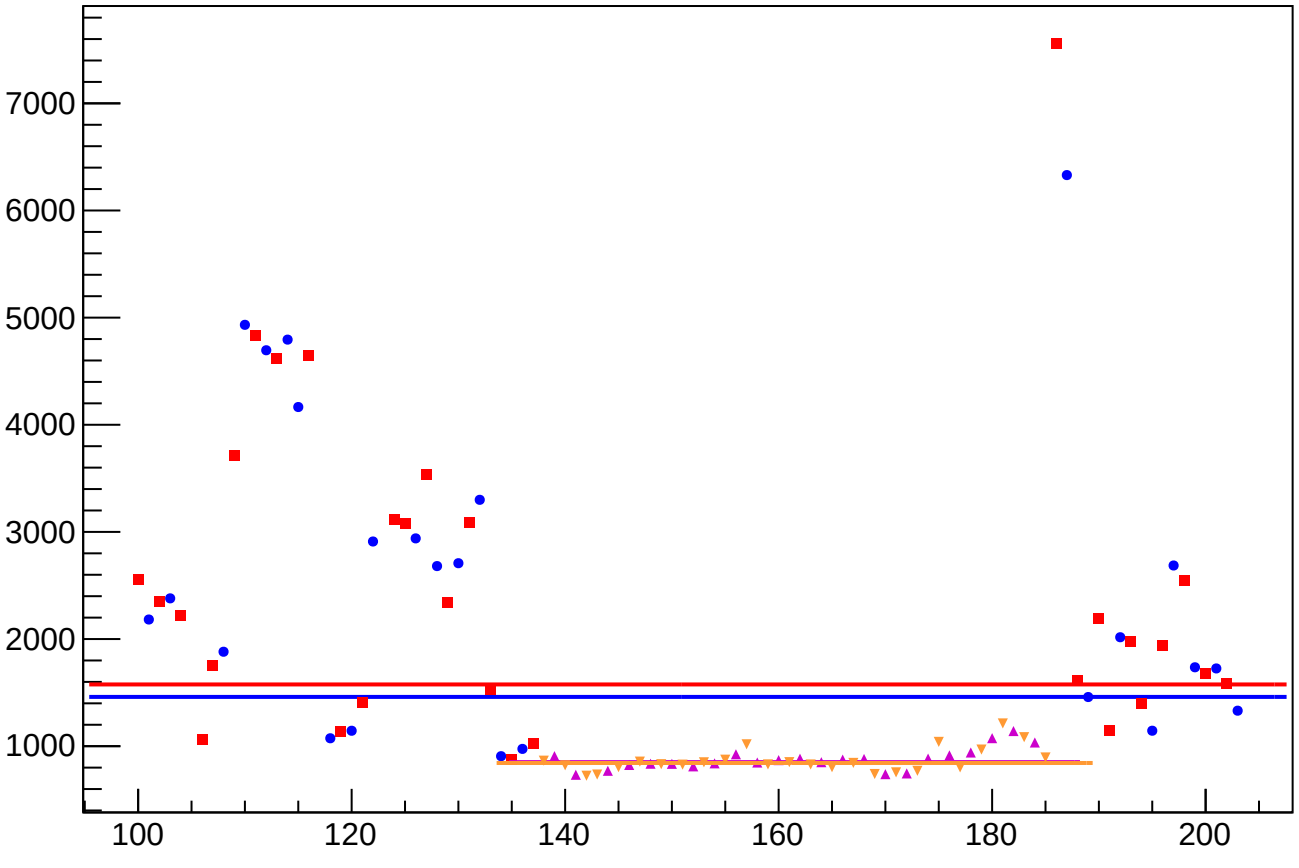
Left: 0.098+/-0.139 χ^2/NDF: 66.4/47

Right: -0.084+/-0.324 χ^2/NDF: 63.1/52

In: -0.146+/-0.183 χ^2/NDF:61.1/46

Out: 0.275+/-0.179 χ^2/NDF:66.1/53

All: 0.070+/-0.128 χ^2/NDF: 129.8/100



Right In: 1459.957+/-0.317 χ^2/NDF: 4312792.9/23

Left Out: 843.266+/-0.137 χ^2/NDF:505106.4/24

Right Out: 1576.283+/-0.330 χ^2/NDF: 4437638.3/28

Left In: 851.618+/-0.142 χ^2/NDF:382555.6/22

Left: 847.291+/-0.099 χ^2/NDF: 889453.1/47

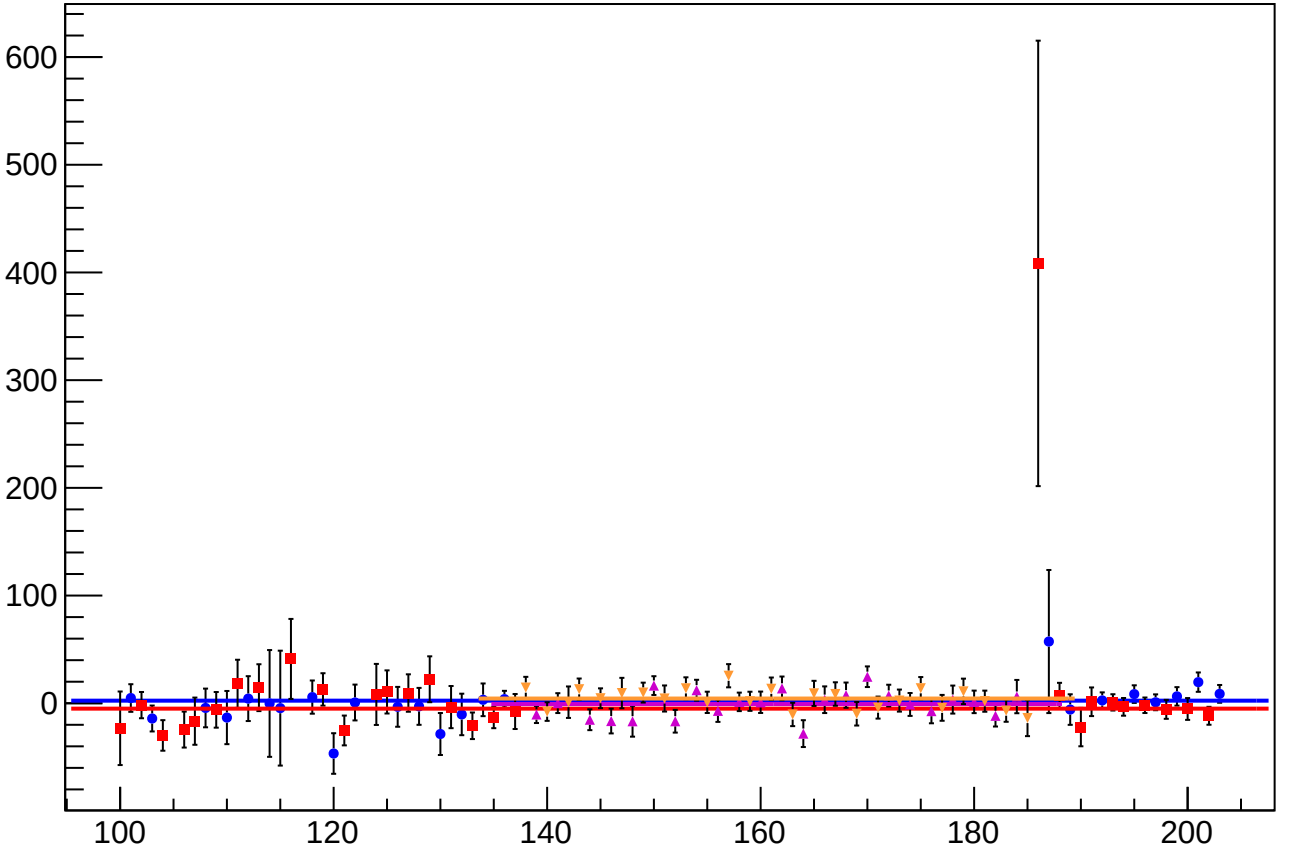
Right: 1515.780+/-0.229 χ^2/NDF: 8814976.5/52

In: 953.231+/-0.130 χ^2/NDF:7759426.6/46

Out: 950.920+/-0.127 χ^2/NDF:9146655.3/53

All: 952.048+/-0.091 χ^2/NDF: 16906244.6/10

diff_bpmtargetsumY_mean vs Slug, Sign Corrected



Right In: 2.407+/-2.488 χ^2/NDF: 18.6/23

Left Out: 4.383+/-2.122 χ^2/NDF:18.6/24

Right Out: -5.000+/-2.400 χ^2/NDF: 25.2/28

Left In: -0.734+/-2.171 χ^2/NDF:32.0/22

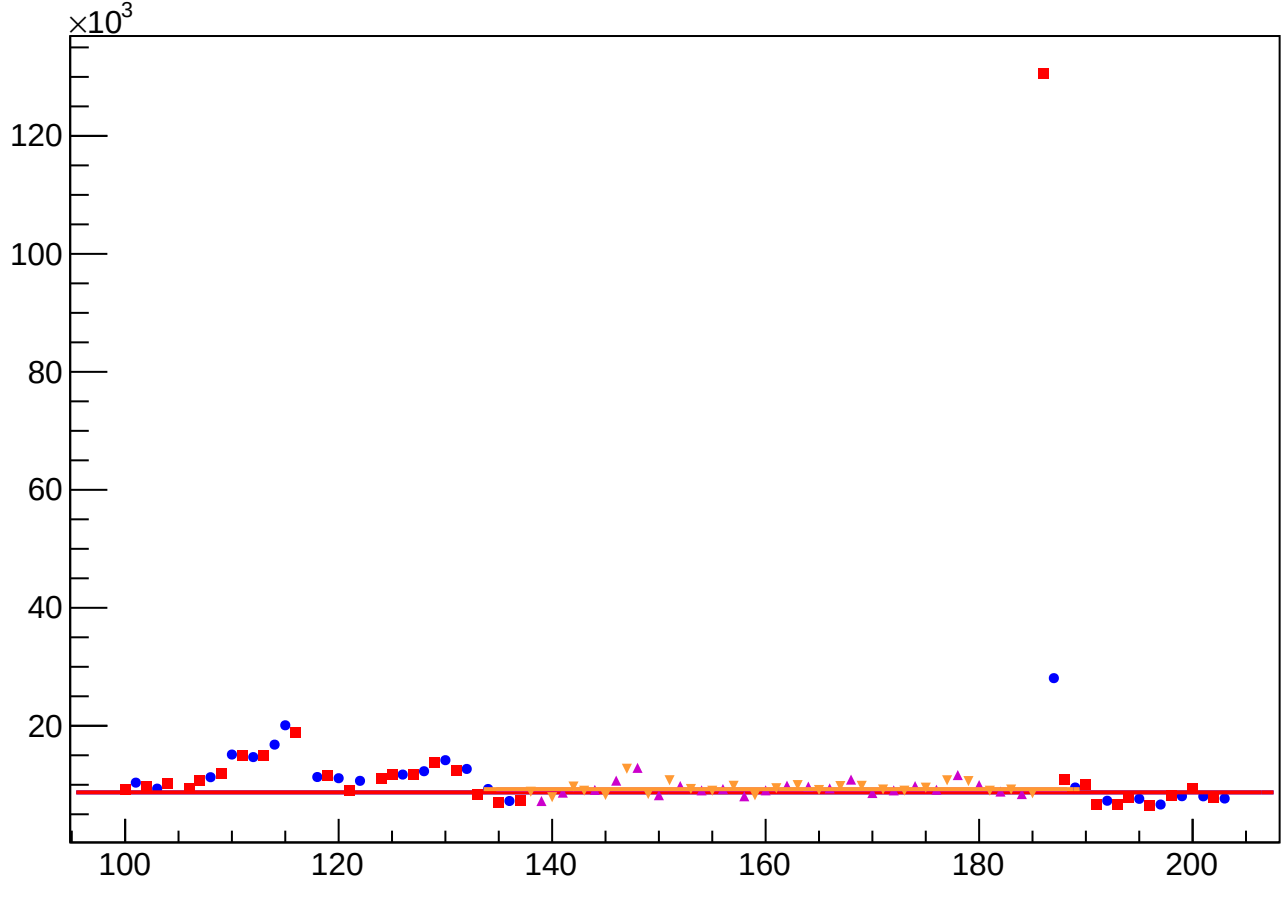
Left: 1.883+/-1.517 χ^2/NDF: 53.4/47

Right: -1.430+/-1.727 χ^2/NDF: 48.5/52

In: 0.623+/-1.636 χ^2/NDF:51.5/46

Out: 0.267+/-1.590 χ^2/NDF:52.4/53

All: 0.440+/-1.140 χ^2/NDF: 104.0/100



Right In: 8706.058+/-1.760 χ^2/NDF: 1594866.6/23

Left Out: 9261.542+/-1.500 χ^2/NDF:366072.4/24

Right Out: 8715.366+/-1.697 χ^2/NDF: 2292909.0/28

Left In: 9199.542+/-1.535 χ^2/NDF:515496.8/22

Left: 9231.249+/-1.073 χ^2/NDF: 882403.7/47

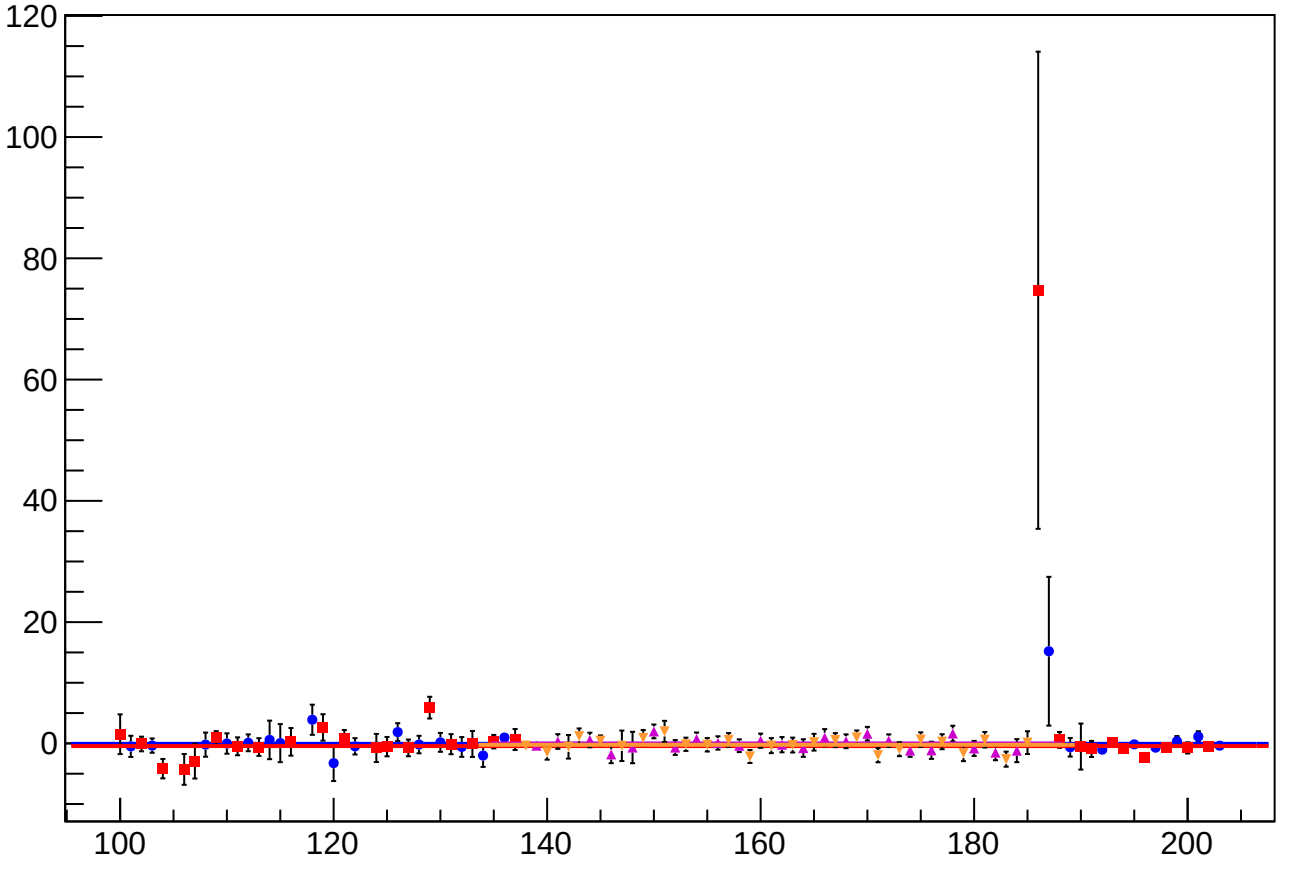
Right: 8710.880+/-1.222 χ^2/NDF: 3887790.1/52

In: 8986.305+/-1.157 χ^2/NDF:2155032.5/46

Out: 9021.958+/-1.124 χ^2/NDF:2717121.6/53

All: 9004.641+/-0.806 χ^2/NDF: 4872642.8/10

diff_bpmtargetdiffY_mean vs Slug, Sign Corrected



Right In: -0.072+/-0.242 χ^2/NDF: 14.7/23

Left Out: -0.229+/-0.243 χ^2/NDF:19.0/24

Right Out: -0.439+/-0.240 χ^2/NDF: 37.9/28

Left In: -0.025+/-0.239 χ^2/NDF:15.2/22

Left: -0.125+/-0.171 χ^2/NDF: 34.6/47

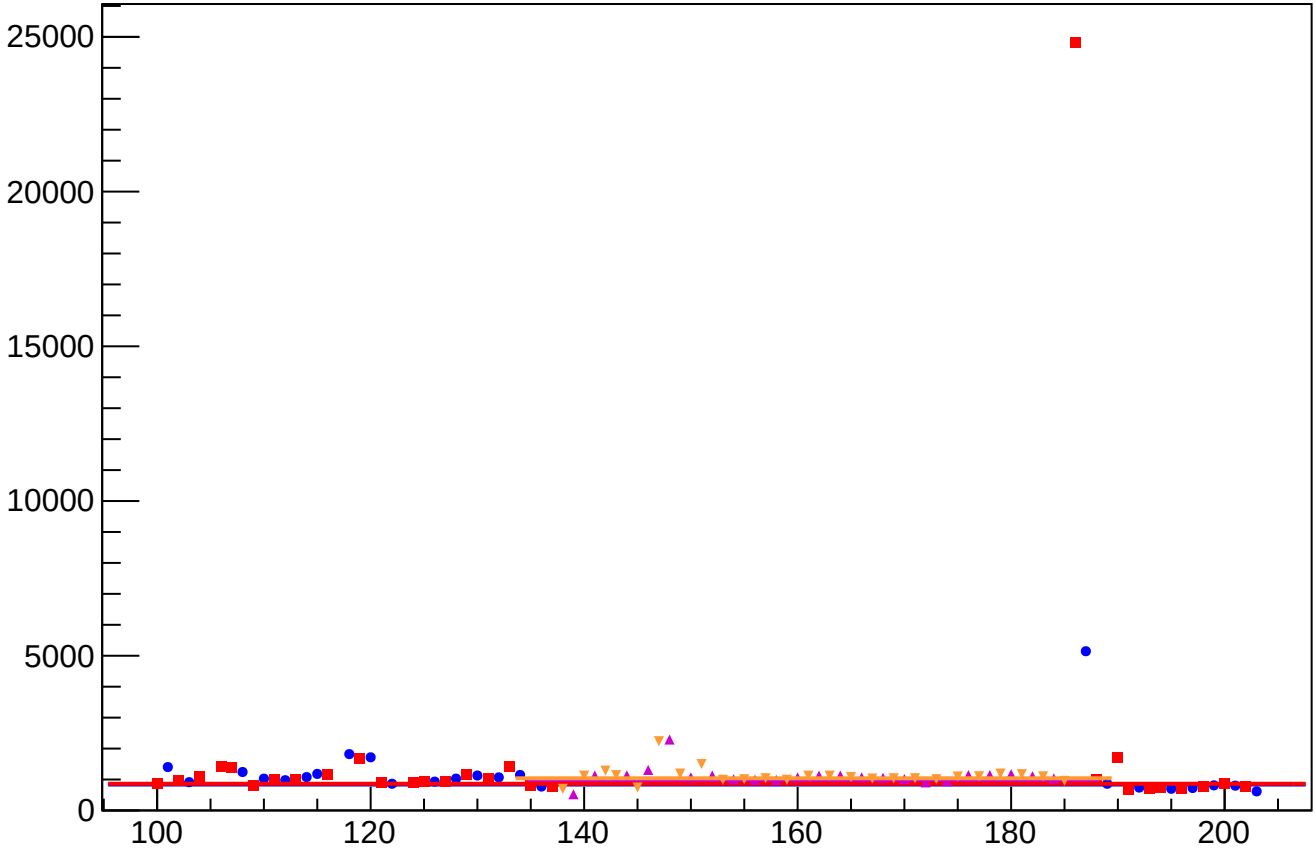
Right: -0.257+/-0.170 χ^2/NDF: 53.7/52

In: -0.048+/-0.170 χ^2/NDF:29.9/46

Out: -0.336+/-0.171 χ^2/NDF:57.2/53

All: -0.191+/-0.121 χ^2/NDF: 88.6/100

diff_bpmtargetdiffY_rms vs Slug, Sign Corrected



Right In: 838.294+/-0.171 χ^2/NDF: 1710193.2/23

Left Out: 1039.424+/-0.172 χ^2/NDF:1339748.9/24

Right Out: 862.533+/-0.170 χ^2/NDF: 1961805.0/28

Left In: 981.677+/-0.169 χ^2/NDF:2225094.5/22

Left: 1010.035+/-0.121 χ^2/NDF: 3622132.3/47

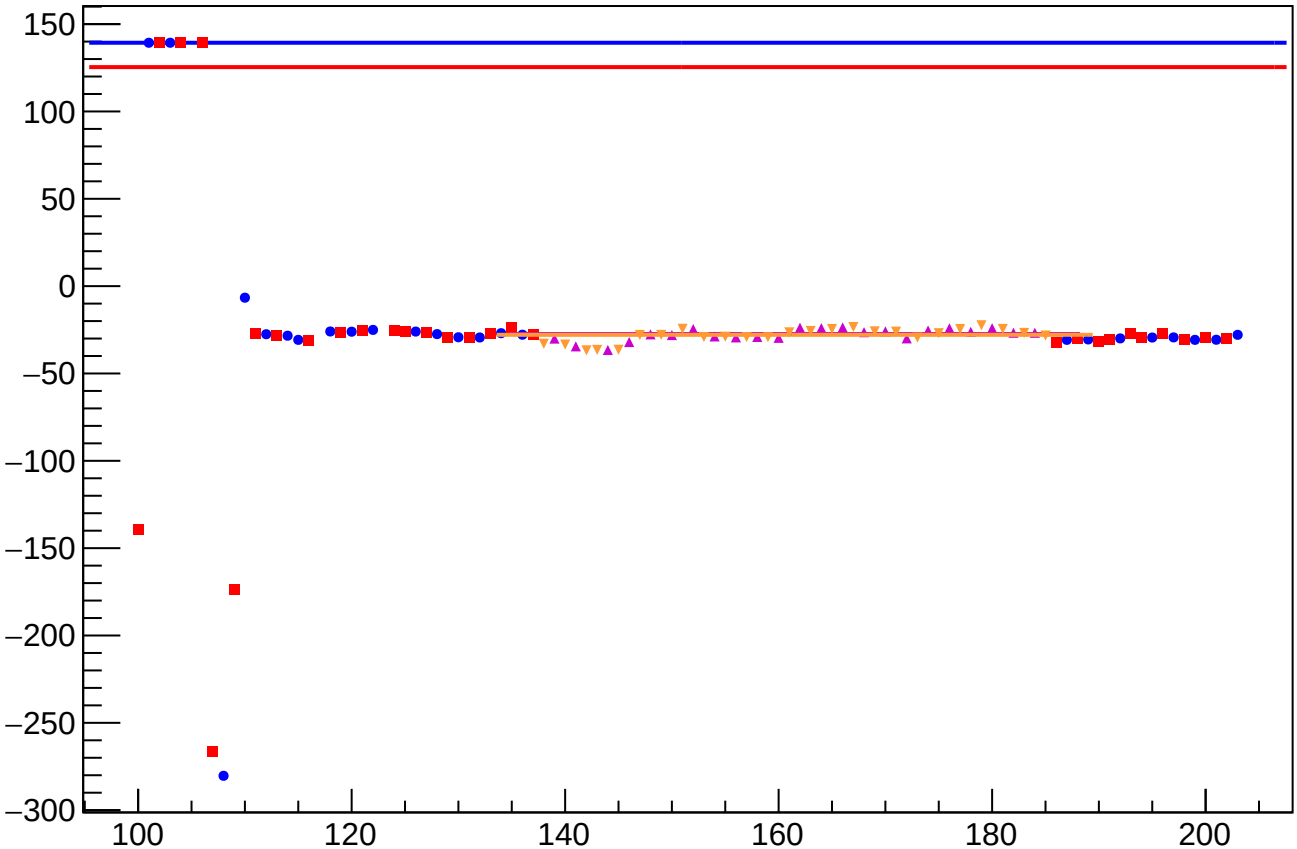
Right: 850.509+/-0.120 χ^2/NDF: 3682131.0/52

In: 910.772+/-0.120 χ^2/NDF:4290950.9/46

Out: 949.675+/-0.121 χ^2/NDF:3837459.6/53

All: 930.127+/-0.085 χ^2/NDF: 8180518.2/100

yield_cav4bX_mean vs Slug, Sign Corrected



Right In: 139.337+/-0.000 χ^2/NDF: 55153534262.7/23

Left Out: -27.865+/-0.000 χ^2/NDF:181586557.6/24

Right Out: 125.391+/-0.000 χ^2/NDF: 774181623426819.2/28

Left In: -27.427+/-0.000 χ^2/NDF:123181562.3/22

Left: -27.654+/-0.000 χ^2/NDF: 305673778.0/47

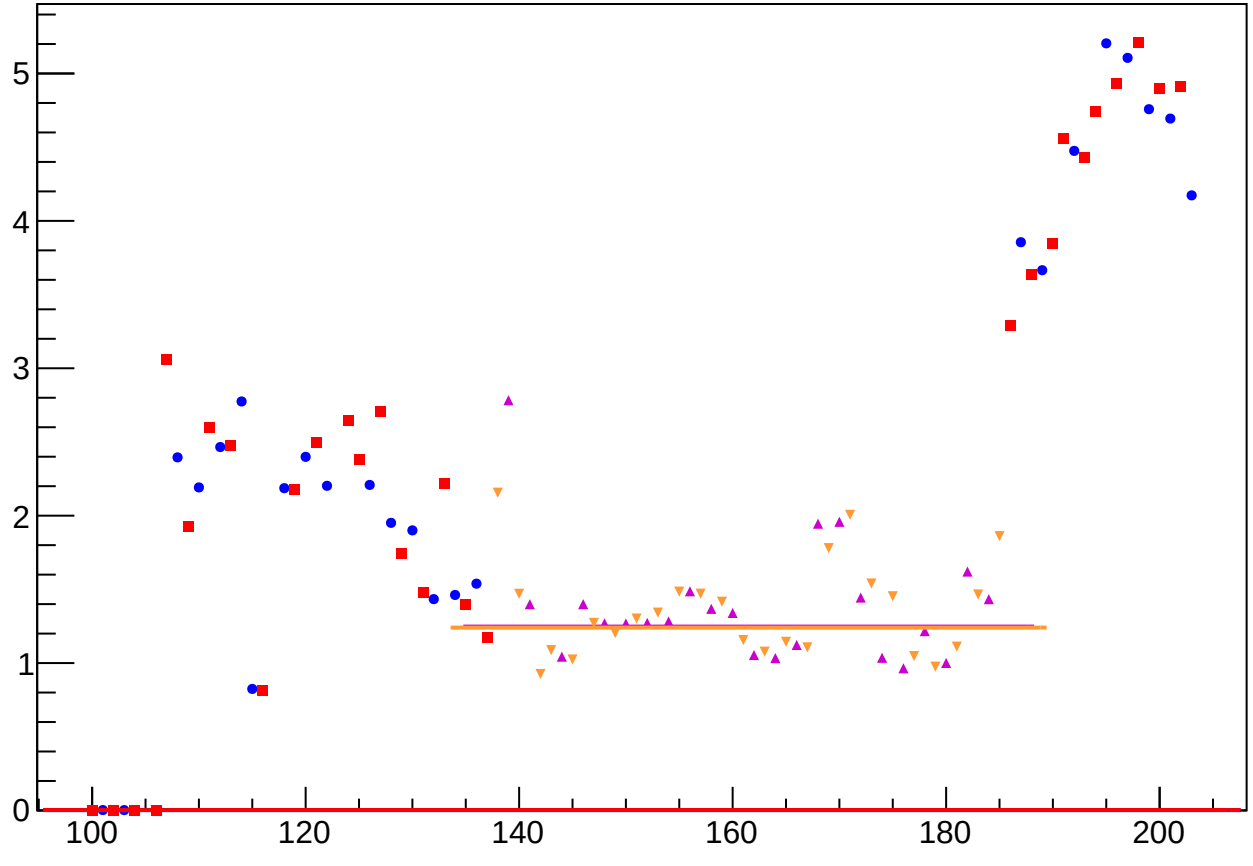
Right: 131.818+/-0.000 χ^2/NDF: 793021586186013

In: 139.328+/-0.000 χ^2/NDF:309552602013.5/46

Out: 125.384+/-0.000 χ^2/NDF:774412311819668.

All: 131.810+/-0.000 χ^2/NDF: 79350399923

yield_cav4bX_rms vs Slug, Sign Corrected



Right In: 0.003+/-0.000 χ^2/NDF: 21158374.7/23

Left Out: 1.241+/-0.000 χ^2/NDF:1221248.2/24

Right Out: 0.003+/-0.000 χ^2/NDF: 23528669.7/28

Left In: 1.247+/-0.000 χ^2/NDF:1436411.6/22

Left: 1.244+/-0.000 χ^2/NDF: 2658093.9/47

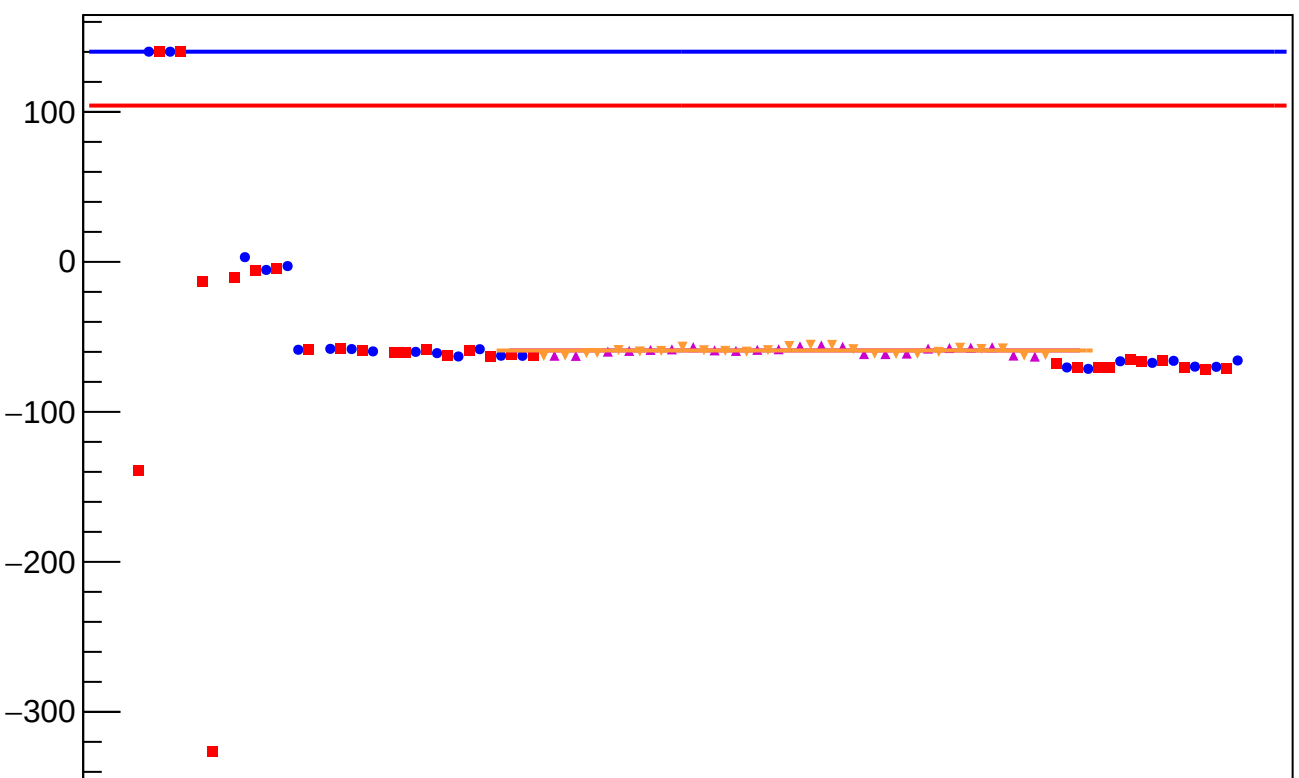
Right: 0.003+/-0.000 χ^2/NDF: 44687224.6/52

In: 0.003+/-0.000 χ^2/NDF:50923816.3/46

Out: 0.003+/-0.000 χ^2/NDF:54828704.1/53

All: 0.003+/-0.000 χ^2/NDF: 105752772.3/100

yield_cav4bY_mean vs Slug, Sign Corrected



Right In: 140.138+/-0.000 χ^2/NDF: 382300762332.4/23

Left Out: -59.066+/-0.000 χ^2/NDF:177511074.0/24

Right Out: 104.220+/-0.000 χ^2/NDF: 1257551201287870.8/28

Left In: -59.020+/-0.000 χ^2/NDF:179236820.4/22

Left: -59.043+/-0.000 χ^2/NDF: 356781901.8/47

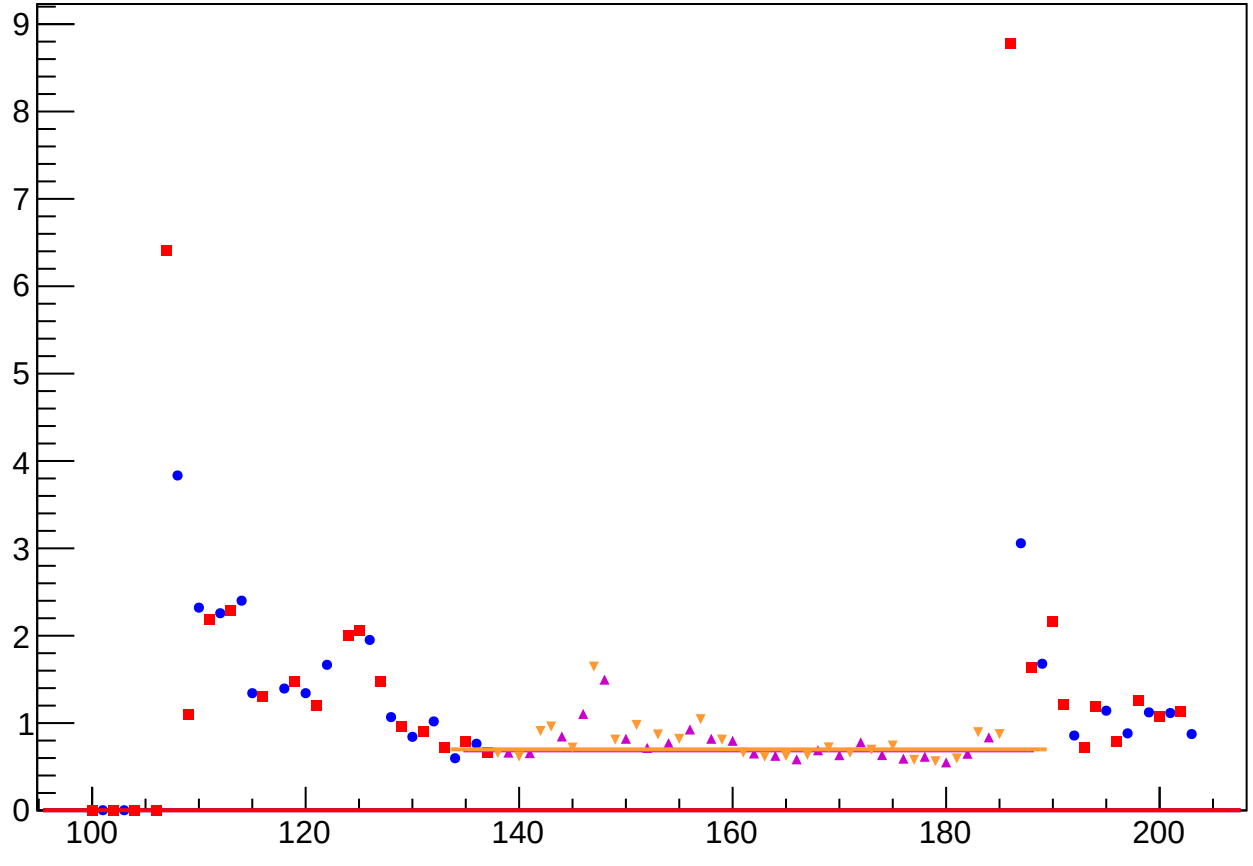
Right: 120.827+/-0.000 χ^2/NDF: 138123547215376

In: 140.102+/-0.000 χ^2/NDF:1657837612470.8/46

Out: 104.194+/-0.000 χ^2/NDF:1258422812354037

All: 120.797+/-0.000 χ^2/NDF: 13833335526

yield_cav4bY_rms vs Slug, Sign Corrected



Right In: 0.003+/-0.000 χ^2/NDF: 20012093.0/23

Left Out: 0.699+/-0.000 χ^2/NDF:1357196.3/24

Right Out: 0.003+/-0.000 χ^2/NDF: 22161199.5/28

Left In: 0.688+/-0.000 χ^2/NDF:1107767.8/22

Left: 0.694+/-0.000 χ^2/NDF: 2468947.3/47

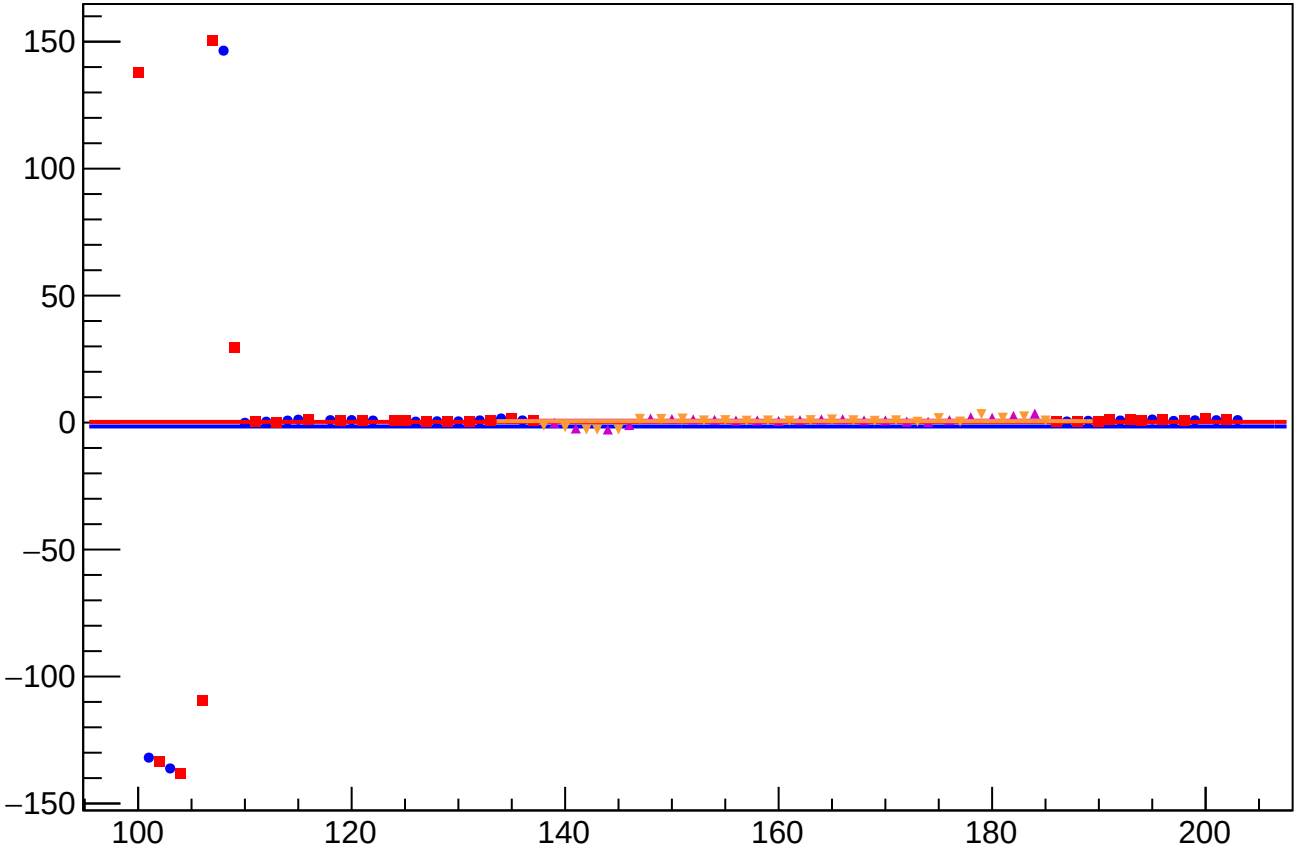
Right: 0.003+/-0.000 χ^2/NDF: 42173506.5/52

In: 0.003+/-0.000 χ^2/NDF:51316758.5/46

Out: 0.003+/-0.000 χ^2/NDF:55217127.1/53

All: 0.003+/-0.000 χ^2/NDF: 106534313.5/100

yield_cav4cX_mean vs Slug, Sign Corrected



Right In: -1.531+/-0.000 χ^2/NDF: 9899615589.2/23

Left Out: 0.575+/-0.000 χ^2/NDF:154364809.1/24

Right Out: 0.272+/-0.000 χ^2/NDF: 3612691437.9/28

Left In: 0.732+/-0.000 χ^2/NDF:105135095.8/22

Left: 0.650+/-0.000 χ^2/NDF: 260223435.2/47

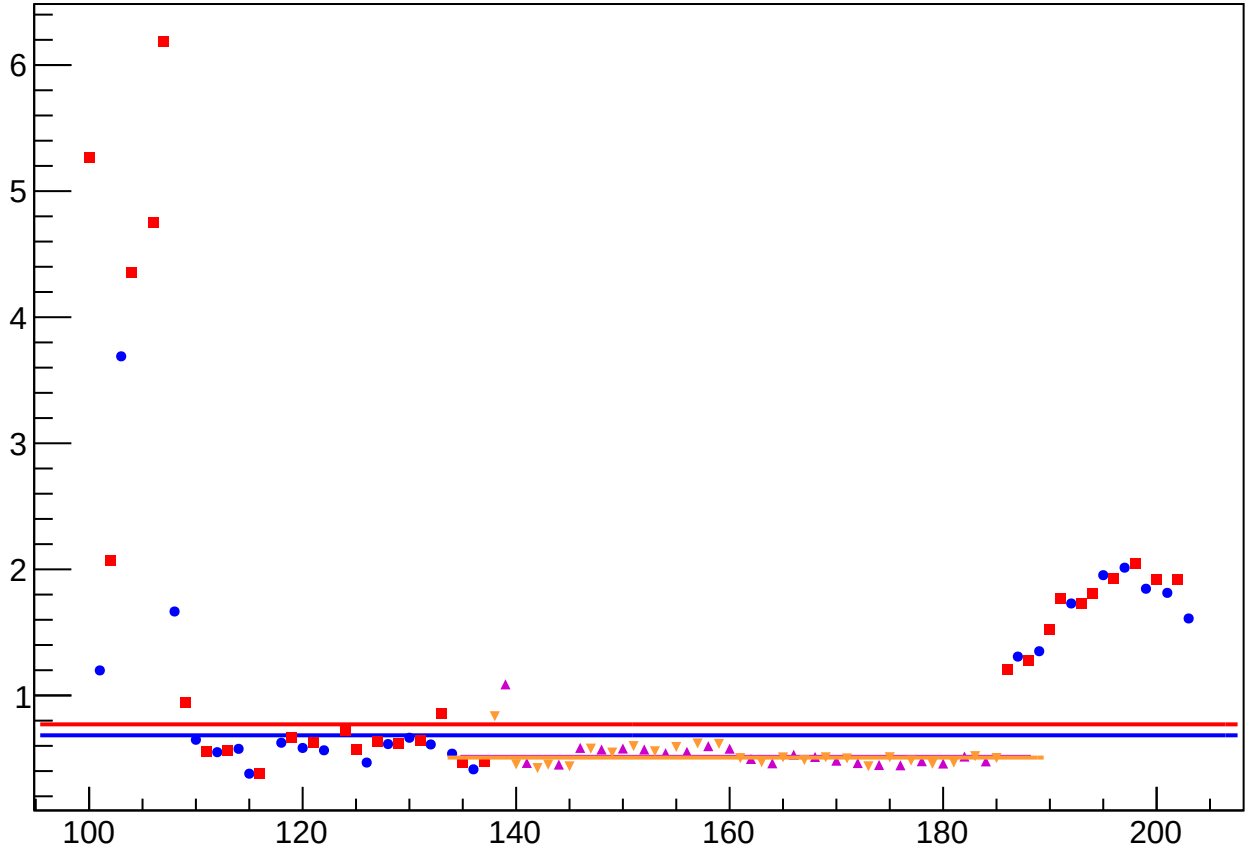
Right: -0.689+/-0.000 χ^2/NDF: 13539741866.0/52

In: 0.180+/-0.000 χ^2/NDF:10074742454.6/46

Out: 0.512+/-0.000 χ^2/NDF:3768211046.7/53

All: 0.349+/-0.000 χ^2/NDF: 13847103659.0/

yield_cav4cX_rms vs Slug, Sign Corrected



Right In: 0.684+/-0.000 χ^2/NDF: 6406199.1/23

Left Out: 0.507+/-0.000 χ^2/NDF:554639.8/24

Right Out: 0.771+/-0.000 χ^2/NDF: 7409473.1/28

Left In: 0.513+/-0.000 χ^2/NDF:753419.6/22

Left: 0.510+/-0.000 χ^2/NDF: 1310004.6/47

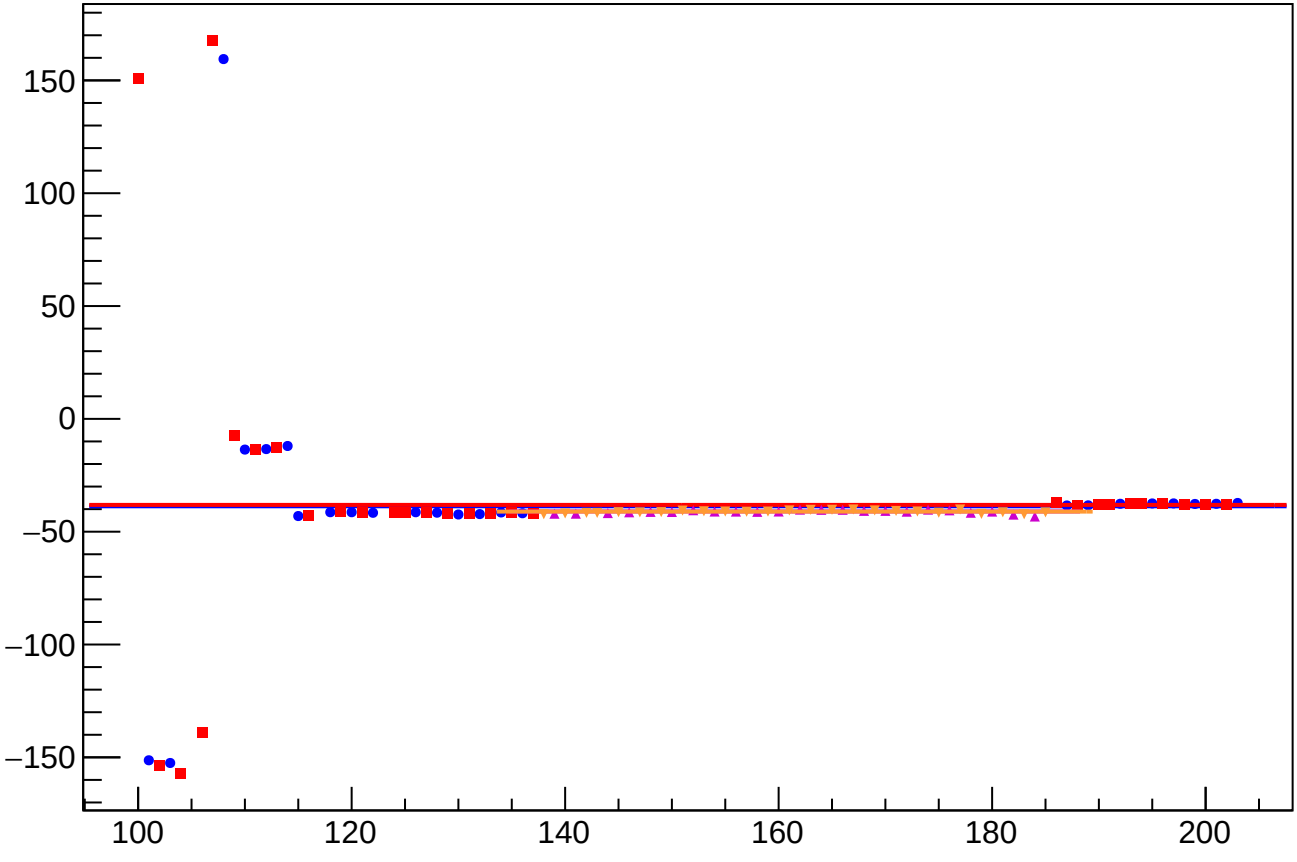
Right: 0.724+/-0.000 χ^2/NDF: 13943140.1/52

In: 0.554+/-0.000 χ^2/NDF:7957602.5/46

Out: 0.561+/-0.000 χ^2/NDF:9710497.3/53

All: 0.558+/-0.000 χ^2/NDF: 17671777.6/100

yield_cav4cY_mean vs Slug, Sign Corrected



Right In: -38.739+/-0.000 χ^2/NDF: 3593543674.5/23

Left Out: -41.092+/-0.000 χ^2/NDF:60251030.2/24

Right Out: -38.124+/-0.000 χ^2/NDF: 2508405955.3/28

Left In: -41.029+/-0.000 χ^2/NDF:51382147.2/22

Left: -41.062+/-0.000 χ^2/NDF: 111932061.5/47

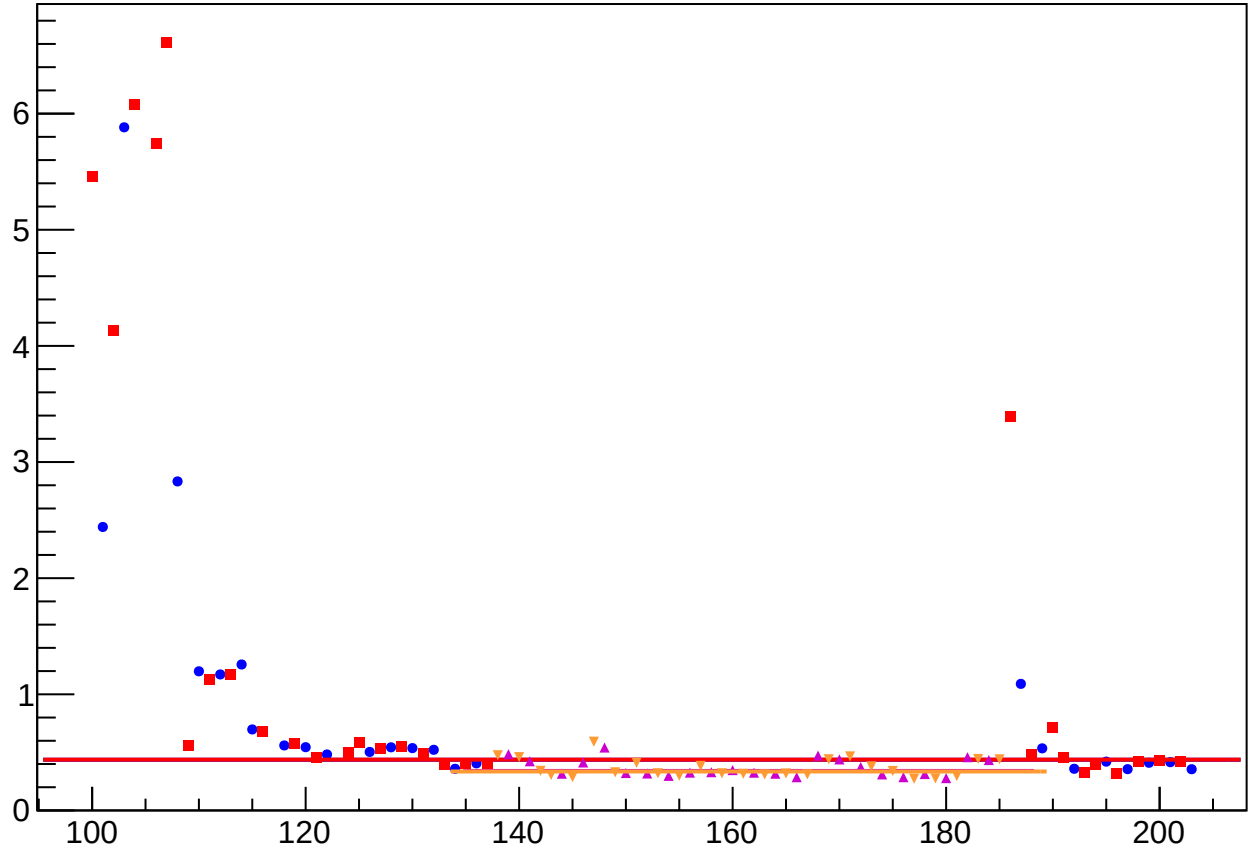
Right: -38.422+/-0.000 χ^2/NDF: 6112415950.3/52

In: -40.411+/-0.000 χ^2/NDF:3850402848.4/46

Out: -40.303+/-0.000 χ^2/NDF:2937659524.1/53

All: -40.355+/-0.000 χ^2/NDF: 6789271583.9/

yield_cav4cY_rms vs Slug, Sign Corrected



Right In: 0.436+/-0.000 χ^2/NDF: 3641399.5/23

Left Out: 0.336+/-0.000 χ^2/NDF:1238006.0/24

Right Out: 0.437+/-0.000 χ^2/NDF: 4609200.8/28

Left In: 0.340+/-0.000 χ^2/NDF:1065343.8/22

Left: 0.338+/-0.000 χ^2/NDF: 2306534.0/47

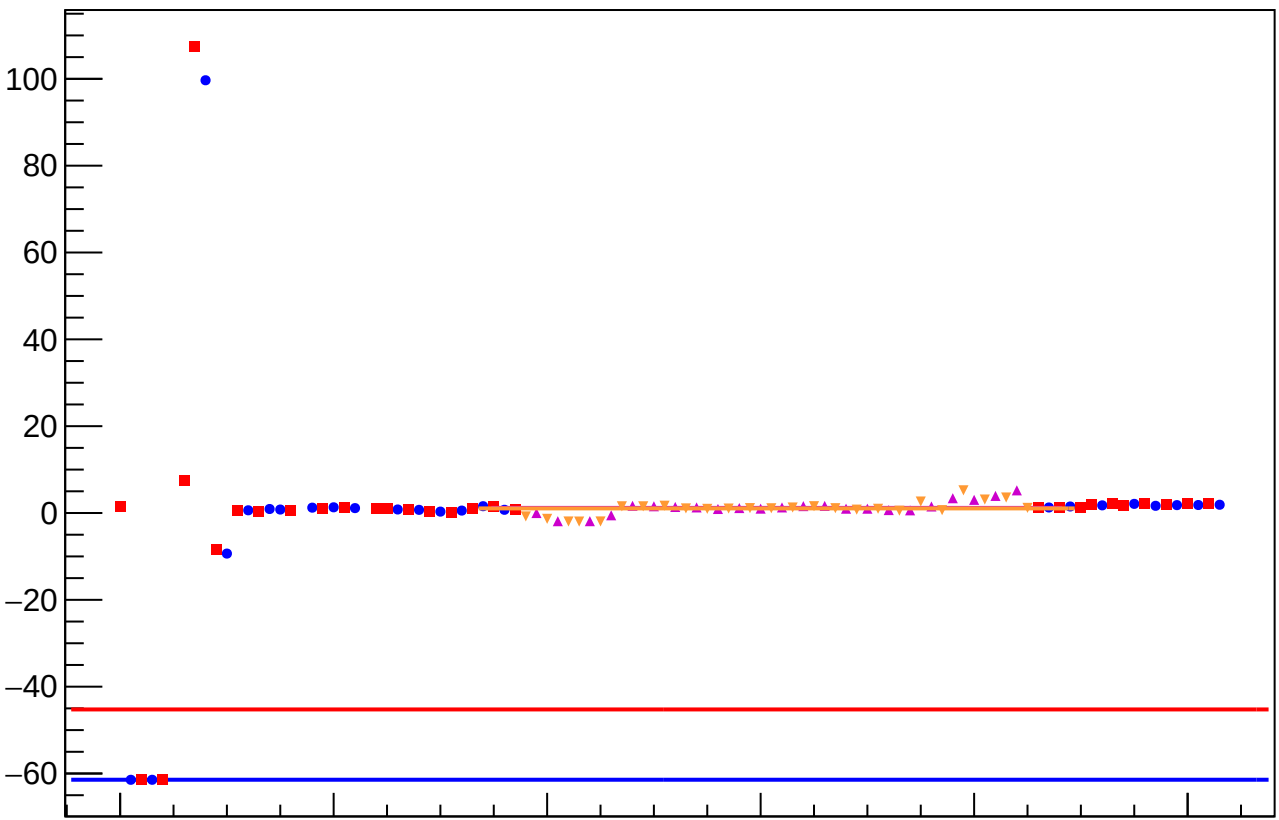
Right: 0.437+/-0.000 χ^2/NDF: 8250671.1/52

In: 0.366+/-0.000 χ^2/NDF:5430394.8/46

Out: 0.363+/-0.000 χ^2/NDF:6715695.3/53

All: 0.364+/-0.000 χ^2/NDF: 12148553.3/100

yield_cav4dX_mean vs Slug, Sign Corrected



Right In: -61.436+/-0.000 χ^2/NDF: 283699201896.9/23

Left Out: 1.059+/-0.000 χ^2/NDF:253133917.4/24

Right Out: -45.245+/-0.000 χ^2/NDF: 3578774602778882.8/28

Left In: 1.175+/-0.000 χ^2/NDF:182397676.2/22

Left: 1.114+/-0.000 χ^2/NDF: 436074136.1/47

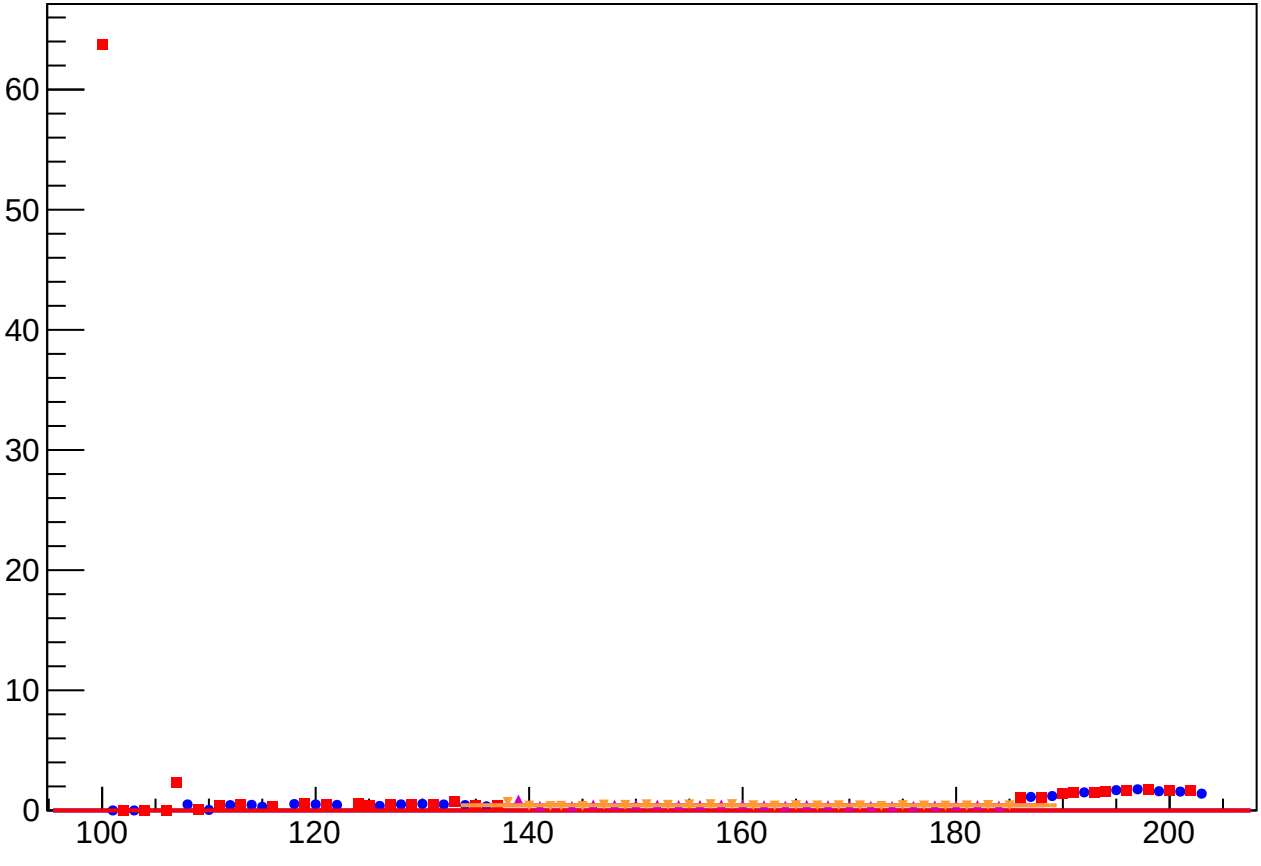
Right: -52.749+/-0.000 χ^2/NDF: 409139101471746

In: -61.422+/-0.000 χ^2/NDF:586561913114.1/46

Out: -45.235+/-0.000 χ^2/NDF:358058741788383.3

All: -52.738+/-0.000 χ^2/NDF: 409608511353

yield_cav4dX_rms vs Slug, Sign Corrected



Right In: 0.001+/-0.000 χ^2/NDF: 20723902.7/23

Left Out: 0.432+/-0.000 χ^2/NDF:527546.3/24

Right Out: 0.001+/-0.000 χ^2/NDF: 23135205.4/28

Left In: 0.438+/-0.000 χ^2/NDF:698702.2/22

Left: 0.435+/-0.000 χ^2/NDF: 1229702.8/47

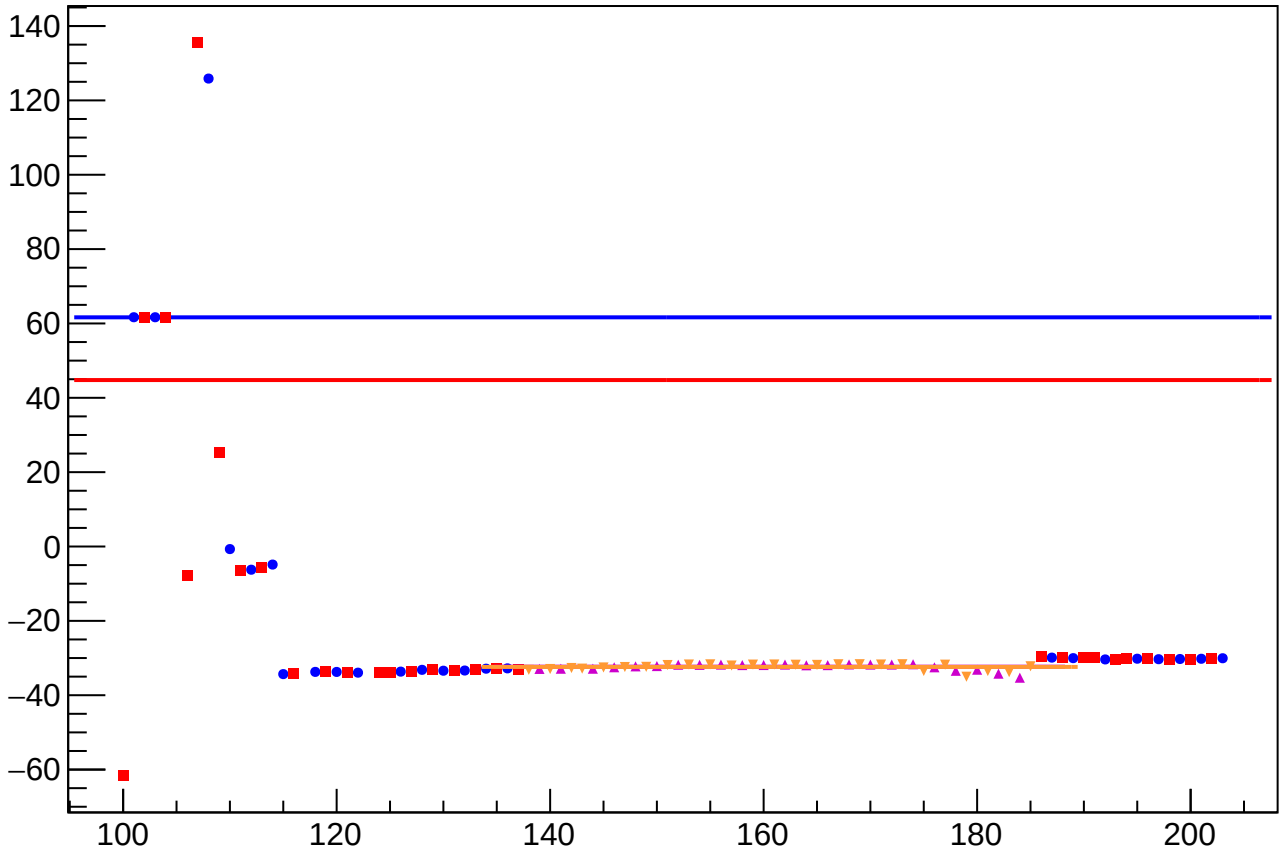
Right: 0.001+/-0.000 χ^2/NDF: 43859109.4/52

In: 0.002+/-0.000 χ^2/NDF:50864645.3/46

Out: 0.002+/-0.000 χ^2/NDF:54900694.3/53

All: 0.002+/-0.000 χ^2/NDF: 105765366.5/100

yield_cav4dY_mean vs Slug, Sign Corrected



Right In: 61.648+/-0.000 χ^2/NDF: 812166712329.2/23

Left Out: -32.386+/-0.000 χ^2/NDF:172024234.9/24

Right Out: 44.774+/-0.000 χ^2/NDF: 3664144566413 97.7/28

Left In: -32.325+/-0.000 χ^2/NDF:118654391.5/22

Left: -32.356+/-0.000 χ^2/NDF: 291084378.8/47

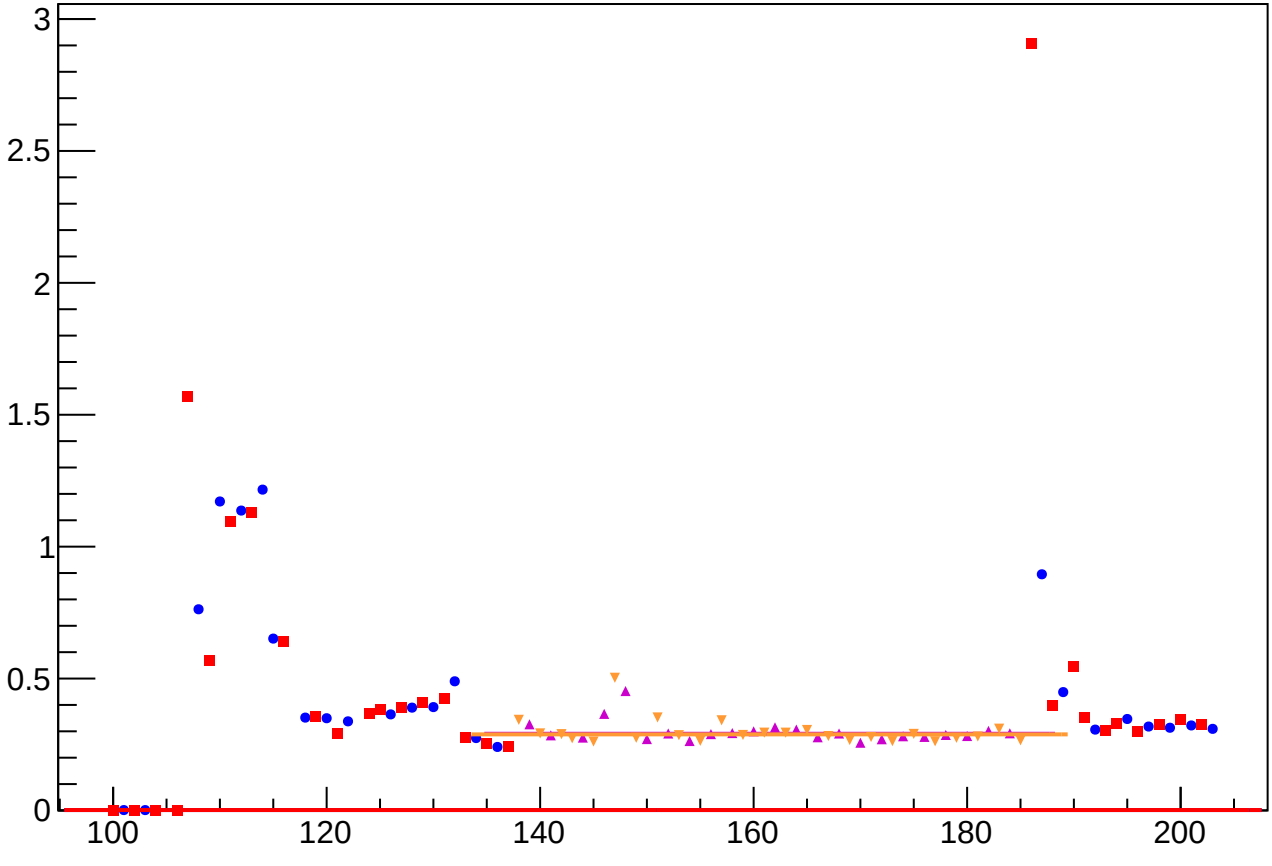
Right: 52.676+/-0.000 χ^2/NDF: 418319173443578.

In: 61.590+/-0.000 χ^2/NDF:2635491499637.1/46

Out: 44.730+/-0.000 χ^2/NDF:367732671111873.6

All: 52.625+/-0.000 χ^2/NDF: 421412970809

yield_cav4dY_rms vs Slug, Sign Corrected



Right In: 0.002+/-0.000 χ^2/NDF: 22340458.7/23

Left Out: 0.288+/-0.000 χ^2/NDF:522979.2/24

Right Out: 0.002+/-0.000 χ^2/NDF: 24044086.9/28

Left In: 0.291+/-0.000 χ^2/NDF:387524.5/22

Left: 0.290+/-0.000 χ^2/NDF: 911587.8/47

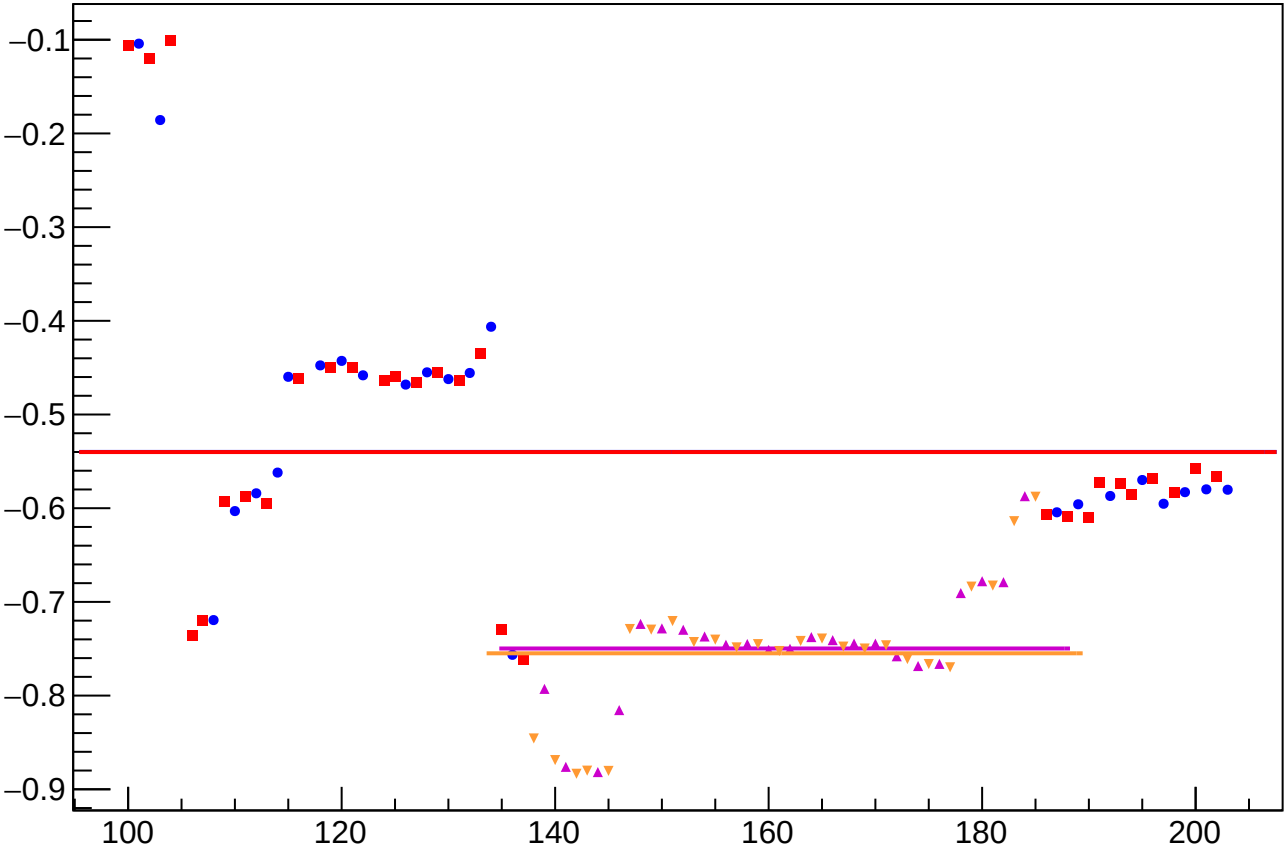
Right: 0.002+/-0.000 χ^2/NDF: 46384661.9/52

In: 0.002+/-0.000 χ^2/NDF:57238778.9/46

Out: 0.002+/-0.000 χ^2/NDF:60992898.7/53

All: 0.002+/-0.000 χ^2/NDF: 118231694.5/100

yield_bpm4aX_mean vs Slug, Sign Corrected



Right In: -0.540+/-0.000 χ^2/NDF: 303863169.3/23

Left Out: -0.755+/-0.000 χ^2/NDF:212643091.8/24

Right Out: -0.540+/-0.000 χ^2/NDF: 218980189.8/28

Left In: -0.750+/-0.000 χ^2/NDF:140839352.1/22

Left: -0.752+/-0.000 χ^2/NDF: 354065711.9/47

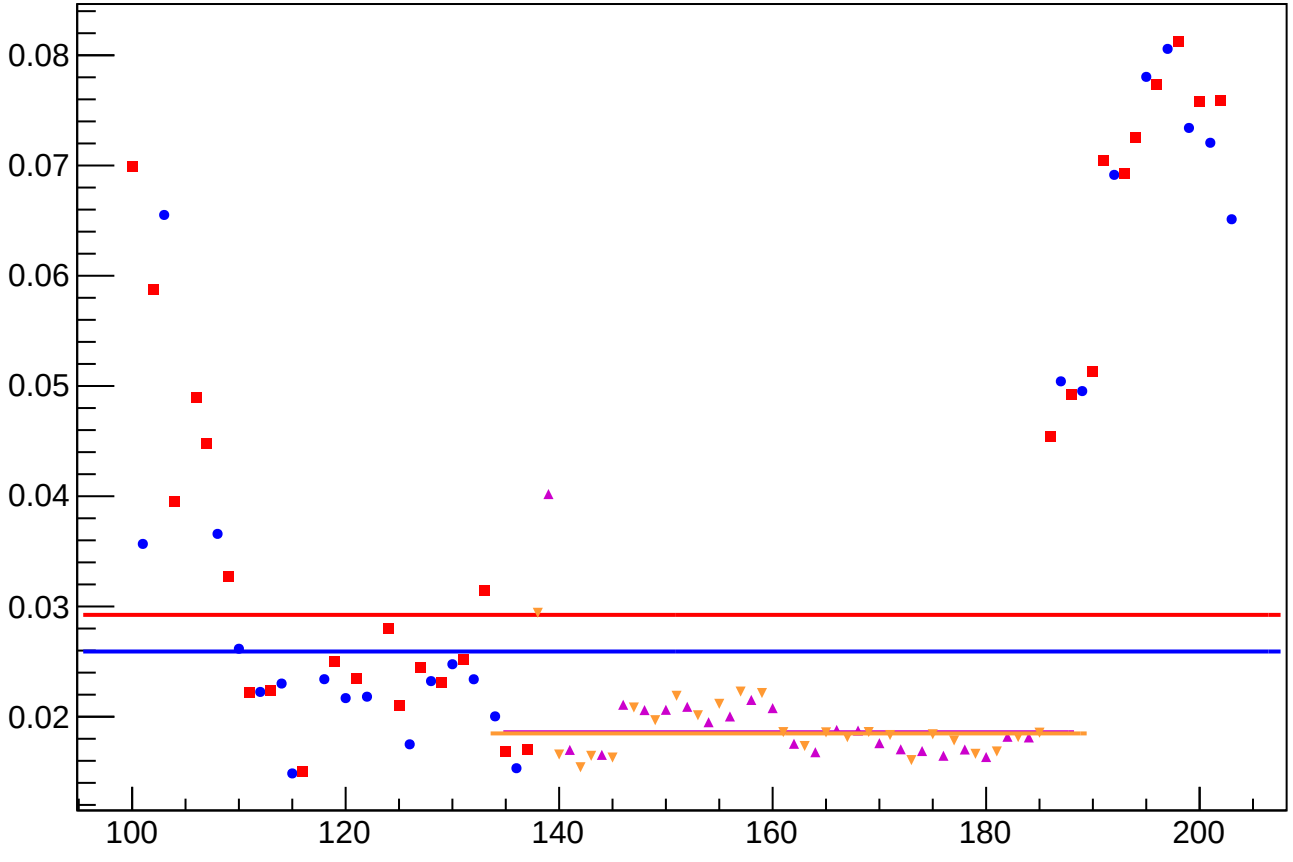
Right: -0.540+/-0.000 χ^2/NDF: 522843477.8/52

In: -0.701+/-0.000 χ^2/NDF:879517525.6/46

Out: -0.711+/-0.000 χ^2/NDF:859067601.6/53

All: -0.706+/-0.000 χ^2/NDF: 1741647624.8/1

yield_bpm4aX_rms vs Slug, Sign Corrected



Right In: 0.026+/-0.000 χ^2/NDF: 6164963.4/23

Left Out: 0.018+/-0.000 χ^2/NDF:491665.0/24

Right Out: 0.029+/-0.000 χ^2/NDF: 6363776.5/28

Left In: 0.019+/-0.000 χ^2/NDF:739183.3/22

Left: 0.019+/-0.000 χ^2/NDF: 1231372.8/47

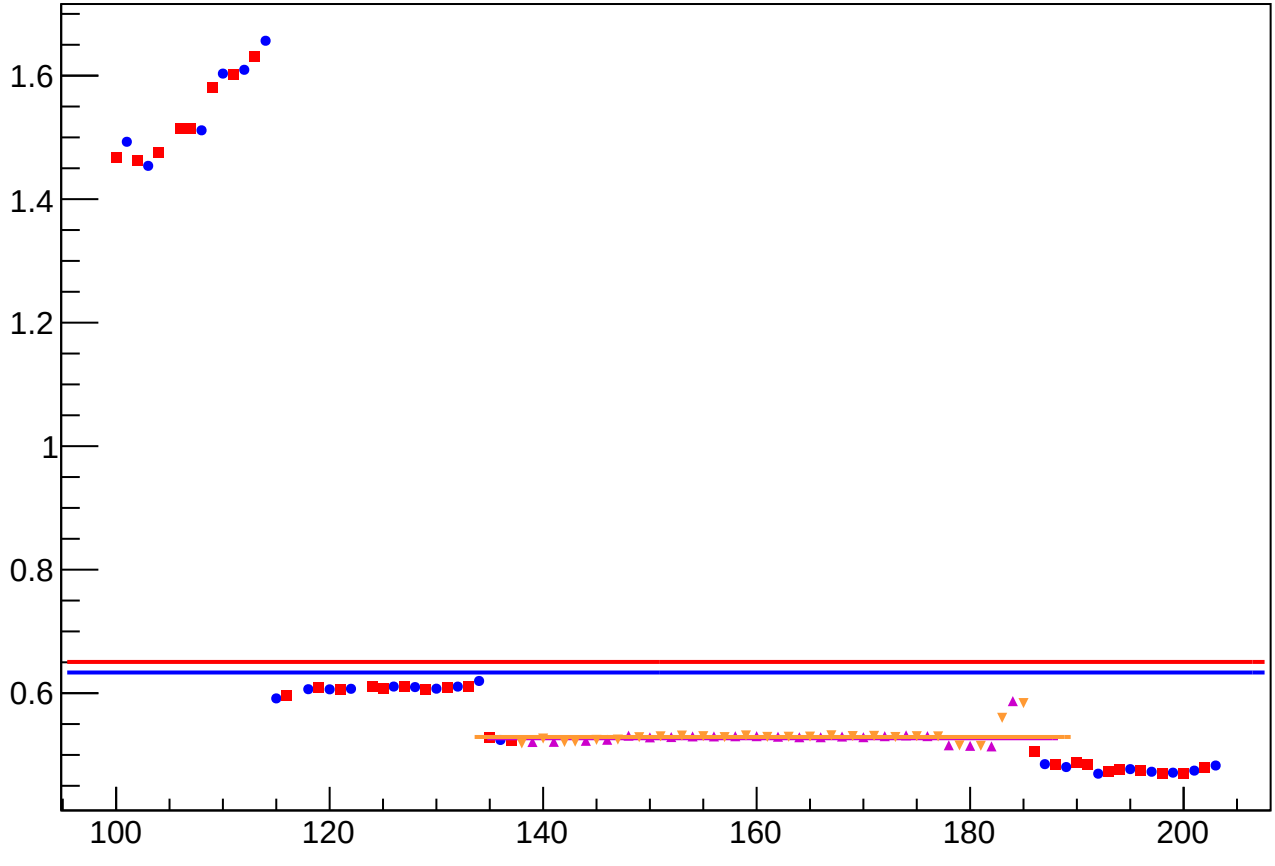
Right: 0.027+/-0.000 χ^2/NDF: 12663526.4/52

In: 0.020+/-0.000 χ^2/NDF:7963446.8/46

Out: 0.021+/-0.000 χ^2/NDF:8997943.3/53

All: 0.020+/-0.000 χ^2/NDF: 16968944.9/100

yield_bpm4aY_mean vs Slug, Sign Corrected



Right In: 0.633+/-0.000 χ^2/NDF: 5425735470.6/23

Left Out: 0.529+/-0.000 χ^2/NDF:16236836.5/24

Right Out: 0.651+/-0.000 χ^2/NDF: 6343105924.8/28

Left In: 0.527+/-0.000 χ^2/NDF:13035326.4/22

Left: 0.528+/-0.000 χ^2/NDF: 29556075.1/47

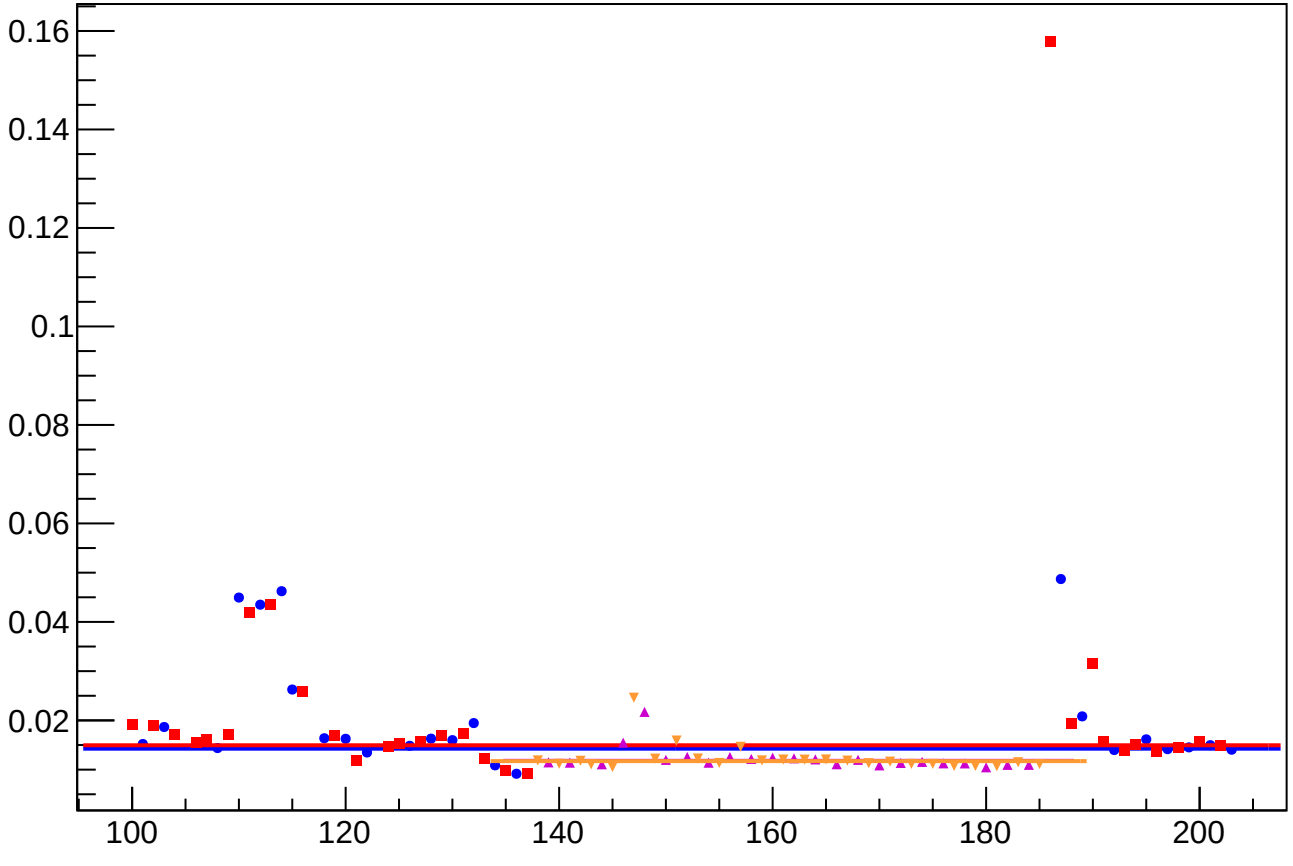
Right: 0.642+/-0.000 χ^2/NDF: 11777087711.7/52

In: 0.560+/-0.000 χ^2/NDF:5881056814.9/46

Out: 0.565+/-0.000 χ^2/NDF:6944802721.0/53

All: 0.562+/-0.000 χ^2/NDF: 12828212723.2/

yield_bpm4aY_rms vs Slug, Sign Corrected



Right In: 0.014+/-0.000 χ^2/NDF: 1963150.9/23

Left Out: 0.012+/-0.000 χ^2/NDF:699878.1/24

Right Out: 0.015+/-0.000 χ^2/NDF: 2382077.5/28

Left In: 0.012+/-0.000 χ^2/NDF:519826.8/22

Left: 0.012+/-0.000 χ^2/NDF: 1220115.4/47

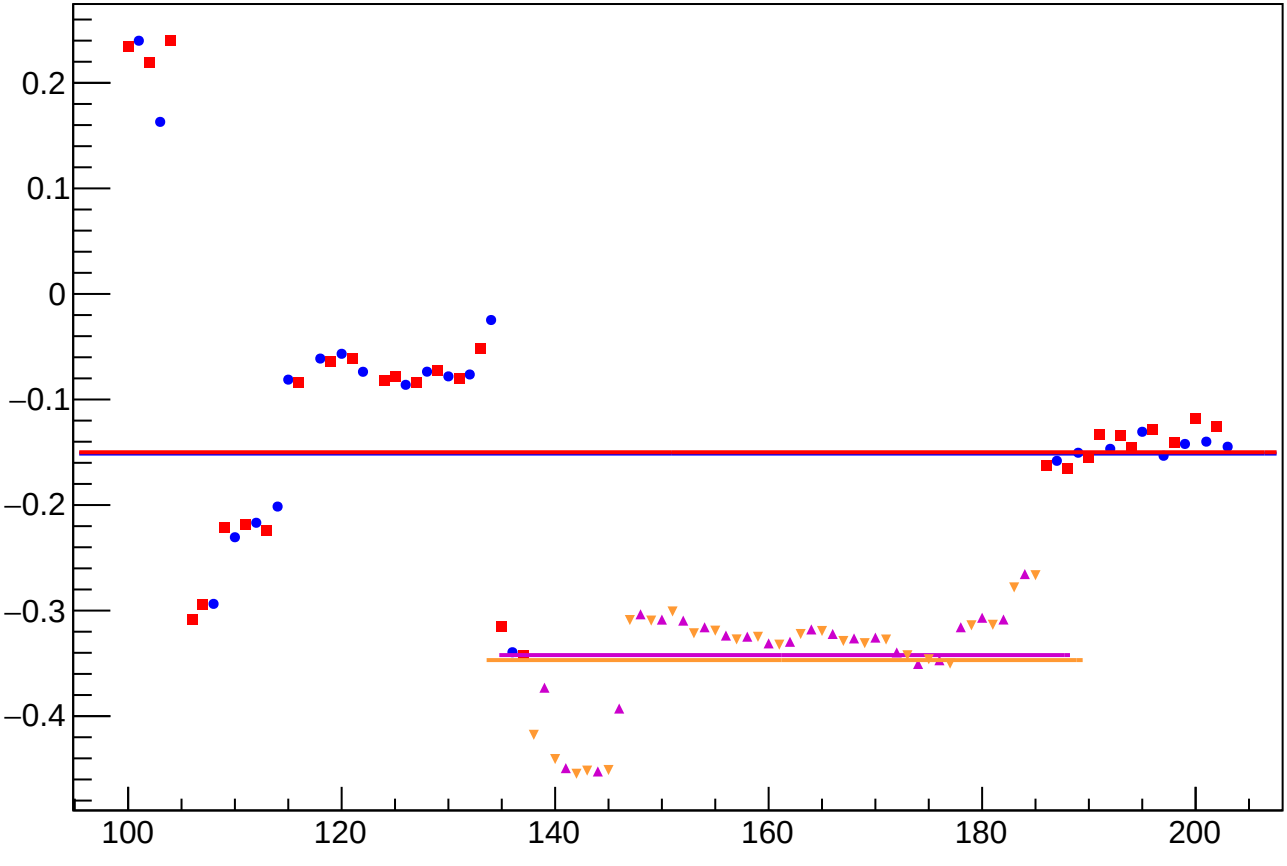
Right: 0.015+/-0.000 χ^2/NDF: 4371799.9/52

In: 0.013+/-0.000 χ^2/NDF:2959145.4/46

Out: 0.013+/-0.000 χ^2/NDF:3900953.7/53

All: 0.013+/-0.000 χ^2/NDF: 6863164.4/100

yield_bpm4eX_mean vs Slug, Sign Corrected



Right In: -0.151+/-0.000 χ^2/NDF: 276912247.2/23

Left Out: -0.347+/-0.000 χ^2/NDF:125890246.2/24

Right Out: -0.150+/-0.000 χ^2/NDF: 199931923.3/28

Left In: -0.342+/-0.000 χ^2/NDF:88220744.3/22

Left: -0.345+/-0.000 χ^2/NDF: 214611737.9/47

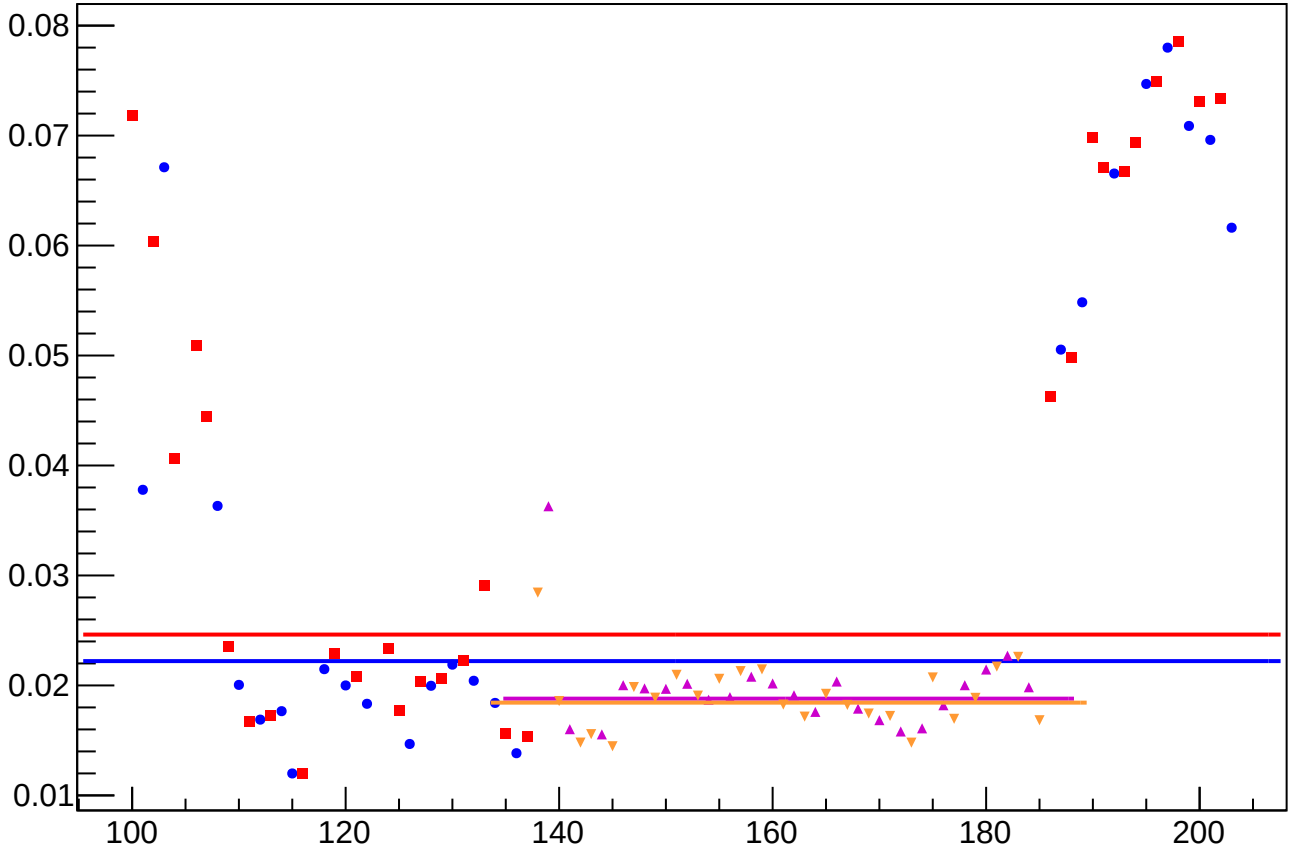
Right: -0.151+/-0.000 χ^2/NDF: 476856635.0/52

In: -0.288+/-0.000 χ^2/NDF:802142581.5/46

Out: -0.298+/-0.000 χ^2/NDF:773467328.5/53

All: -0.293+/-0.000 χ^2/NDF: 1578585205.0/1

yield_bpm4eX_rms vs Slug, Sign Corrected



Right In: 0.022+/-0.000 χ^2/NDF: 7022950.4/23

Left Out: 0.018+/-0.000 χ^2/NDF:640029.5/24

Right Out: 0.025+/-0.000 χ^2/NDF: 7659824.9/28

Left In: 0.019+/-0.000 χ^2/NDF:718726.0/22

Left: 0.019+/-0.000 χ^2/NDF: 1364603.4/47

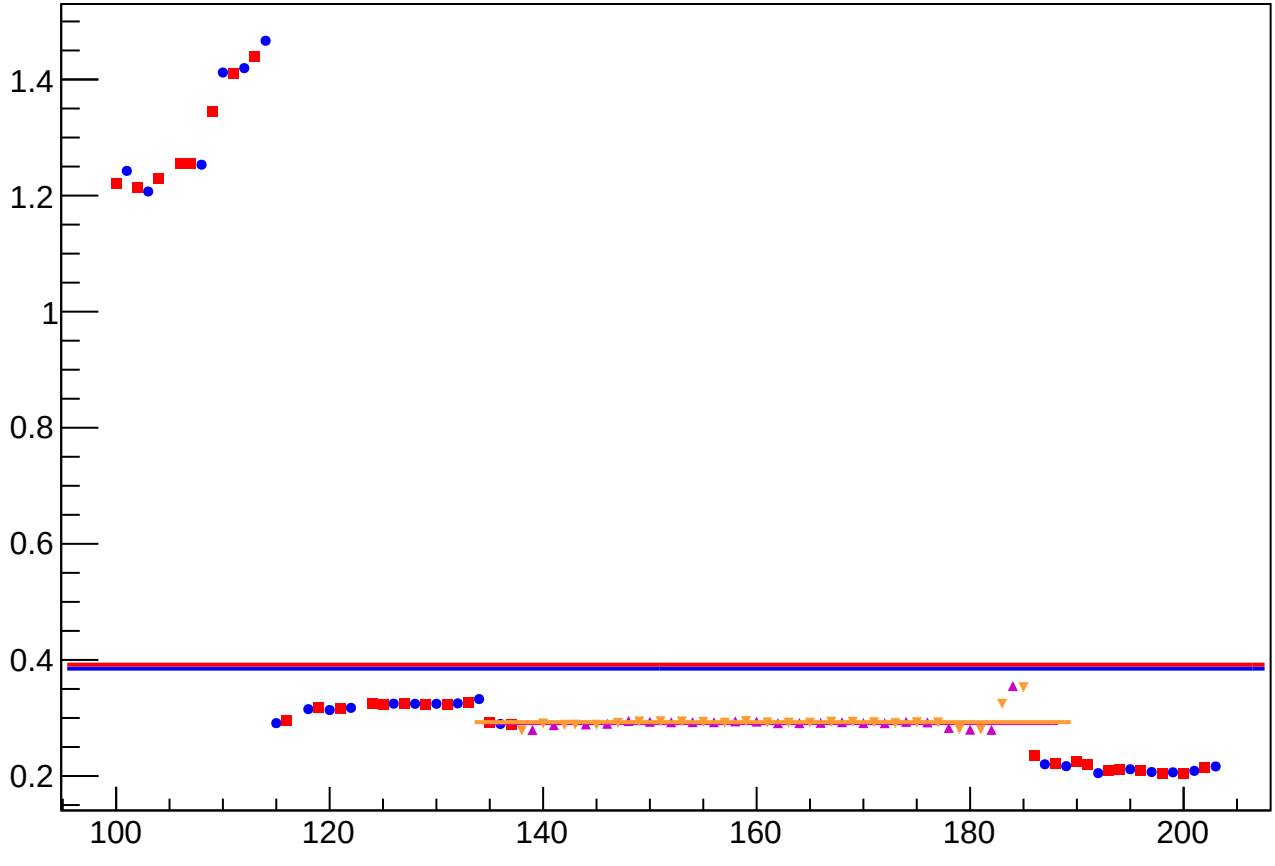
Right: 0.023+/-0.000 χ^2/NDF: 14775791.2/52

In: 0.020+/-0.000 χ^2/NDF:8021256.4/46

Out: 0.020+/-0.000 χ^2/NDF:9184297.6/53

All: 0.020+/-0.000 χ^2/NDF: 17208088.7/100

yield_bpm4eY_mean vs Slug, Sign Corrected



Right In: 0.385+/-0.000 χ^2/NDF: 8044756785.8/23

Left Out: 0.293+/-0.000 χ^2/NDF:17281571.0/24

Right Out: 0.392+/-0.000 χ^2/NDF: 8984335254.0/28

Left In: 0.291+/-0.000 χ^2/NDF:10282762.1/22

Left: 0.292+/-0.000 χ^2/NDF: 27773527.3/47

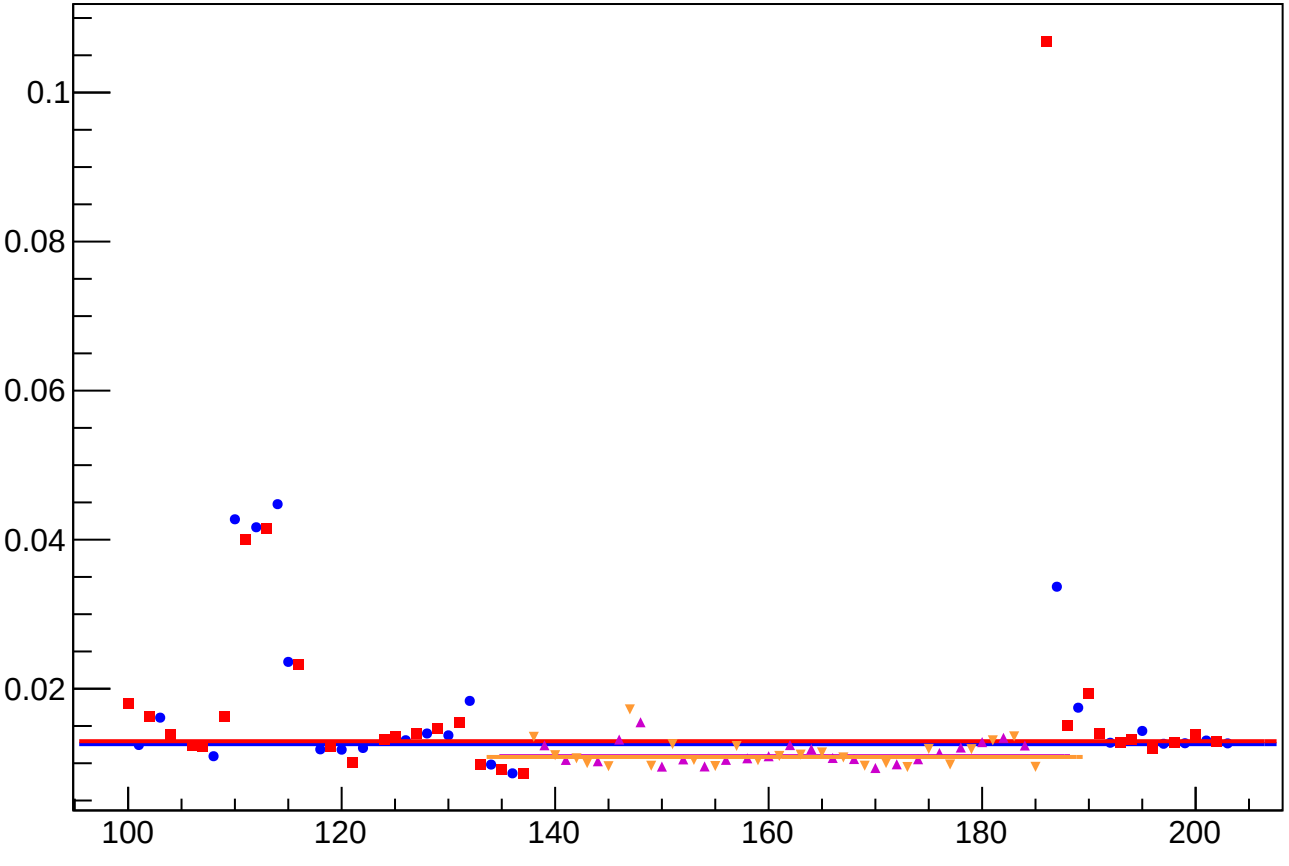
Right: 0.388+/-0.000 χ^2/NDF: 17030810241.1/52

In: 0.323+/-0.000 χ^2/NDF:8482783148.6/46

Out: 0.325+/-0.000 χ^2/NDF:9496612811.1/53

All: 0.324+/-0.000 χ^2/NDF: 17979968690.9/1

yield_bpm4eY_rms vs Slug, Sign Corrected



Right In: 0.013+/-0.000 χ^2/NDF: 1765581.8/23

Left Out: 0.011+/-0.000 χ^2/NDF:654475.7/24

Right Out: 0.013+/-0.000 χ^2/NDF: 2164974.8/28

Left In: 0.011+/-0.000 χ^2/NDF:512130.1/22

Left: 0.011+/-0.000 χ^2/NDF: 1168468.8/47

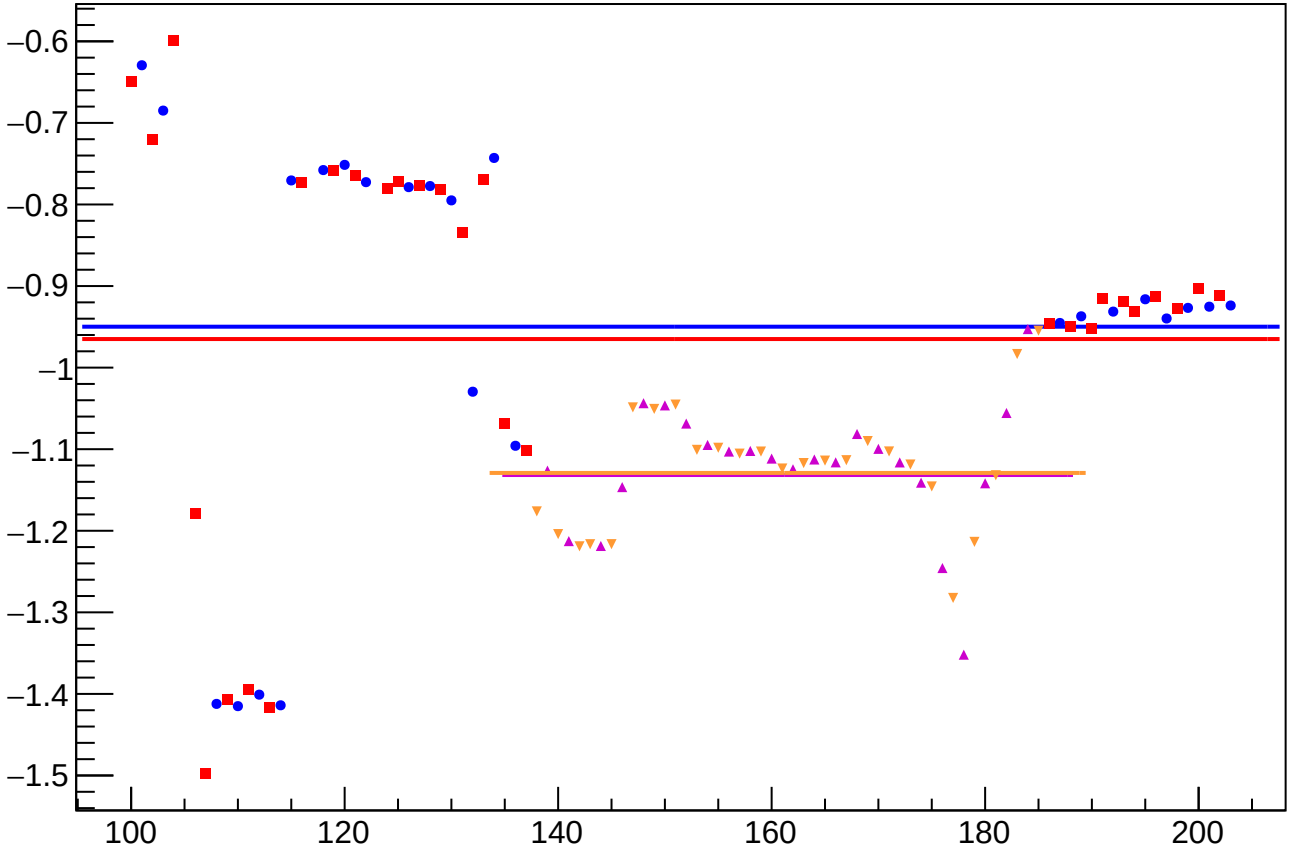
Right: 0.013+/-0.000 χ^2/NDF: 3942228.5/52

In: 0.011+/-0.000 χ^2/NDF:2528066.1/46

Out: 0.012+/-0.000 χ^2/NDF:3271002.9/53

All: 0.012+/-0.000 χ^2/NDF: 5799344.6/100

yield_bpm4acX_mean vs Slug, Sign Corrected



Right In: -0.950+/-0.000 χ^2/NDF: 700137899.1/23

Left Out: -1.129+/-0.000 χ^2/NDF:238152679.4/24

Right Out: -0.965+/-0.000 χ^2/NDF: 717335414.0/28

Left In: -1.132+/-0.000 χ^2/NDF:260075820.5/22

Left: -1.130+/-0.000 χ^2/NDF: 498379456.8/47

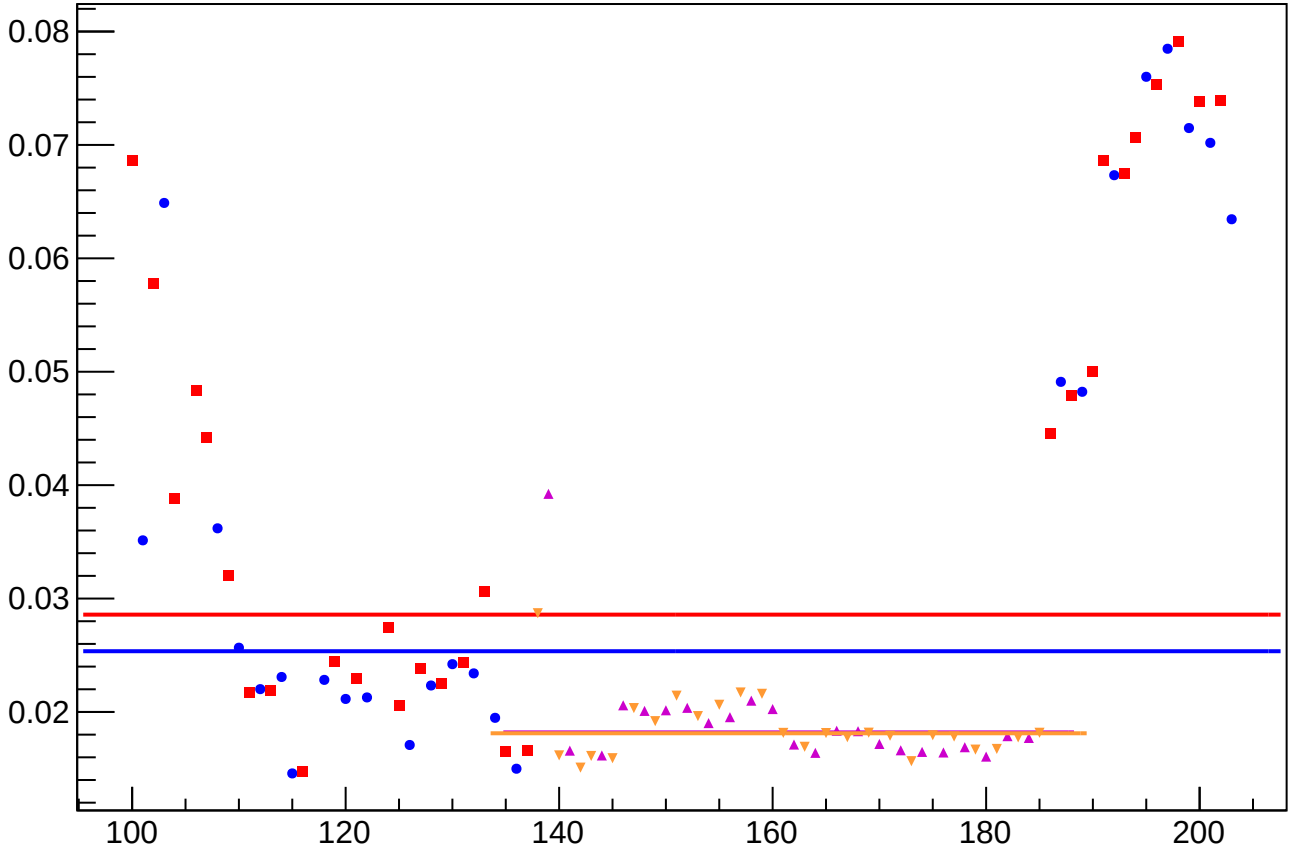
Right: -0.957+/-0.000 χ^2/NDF: 1418935980.8/52

In: -1.089+/-0.000 χ^2/NDF:1301498472.8/46

Out: -1.096+/-0.000 χ^2/NDF:1216135464.9/53

All: -1.093+/-0.000 χ^2/NDF: 2518826143.0/1

yield_bpm4acX_rms vs Slug, Sign Corrected



Right In: 0.025+/-0.000 χ^2/NDF: 6154919.9/23

Left Out: 0.018+/-0.000 χ^2/NDF:474004.4/24

Right Out: 0.029+/-0.000 χ^2/NDF: 6347616.1/28

Left In: 0.018+/-0.000 χ^2/NDF:723957.3/22

Left: 0.018+/-0.000 χ^2/NDF: 1198259.9/47

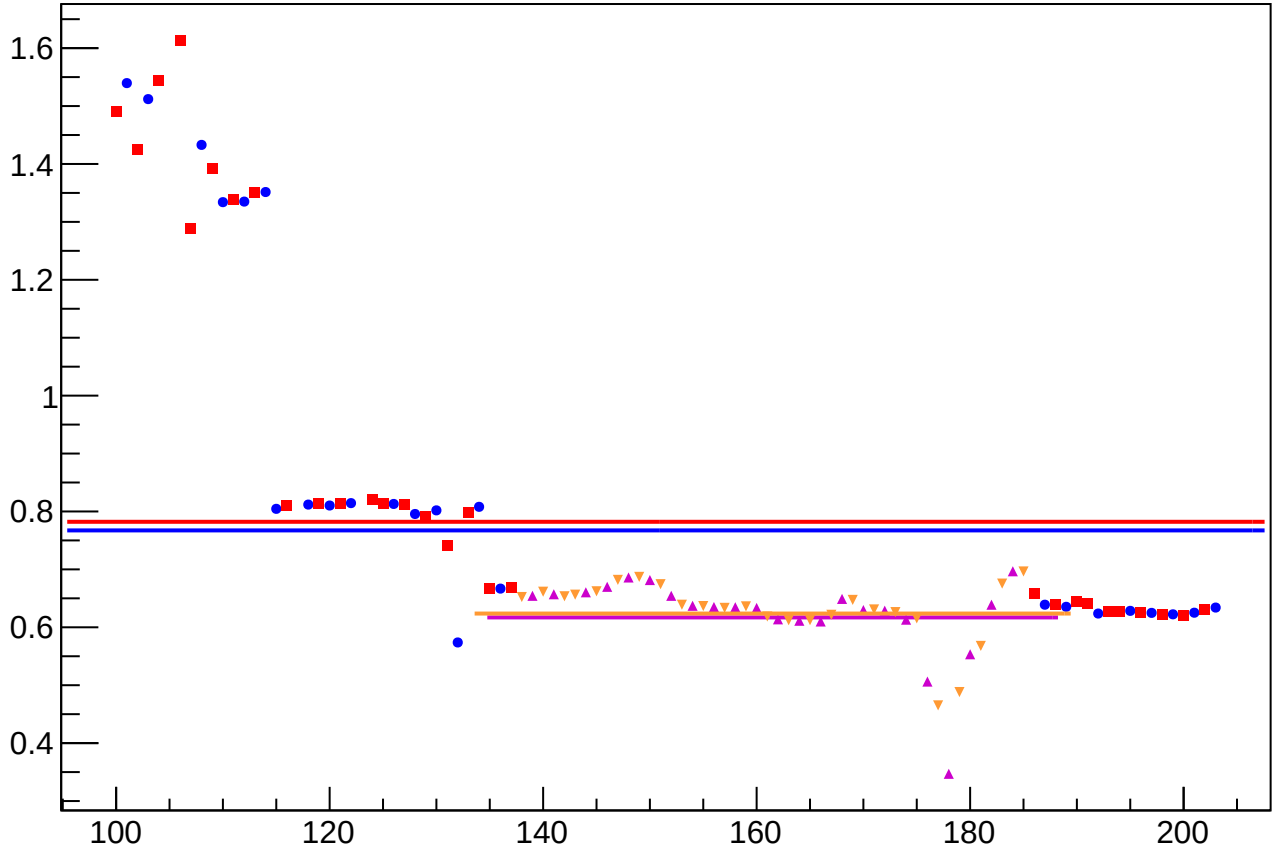
Right: 0.027+/-0.000 χ^2/NDF: 12635361.8/52

In: 0.020+/-0.000 χ^2/NDF:7936047.8/46

Out: 0.020+/-0.000 χ^2/NDF:8939812.9/53

All: 0.020+/-0.000 χ^2/NDF: 16884420.8/100

yield_bpm4acY_mean vs Slug, Sign Corrected



Right In: 0.767+/-0.000 χ^2/NDF: 3689064617.3/23

Left Out: 0.624+/-0.000 χ^2/NDF:400613435.2/24

Right Out: 0.782+/-0.000 χ^2/NDF: 4017004078.8/28

Left In: 0.617+/-0.000 χ^2/NDF:646297442.3/22

Left: 0.620+/-0.000 χ^2/NDF: 1049789293.9/47

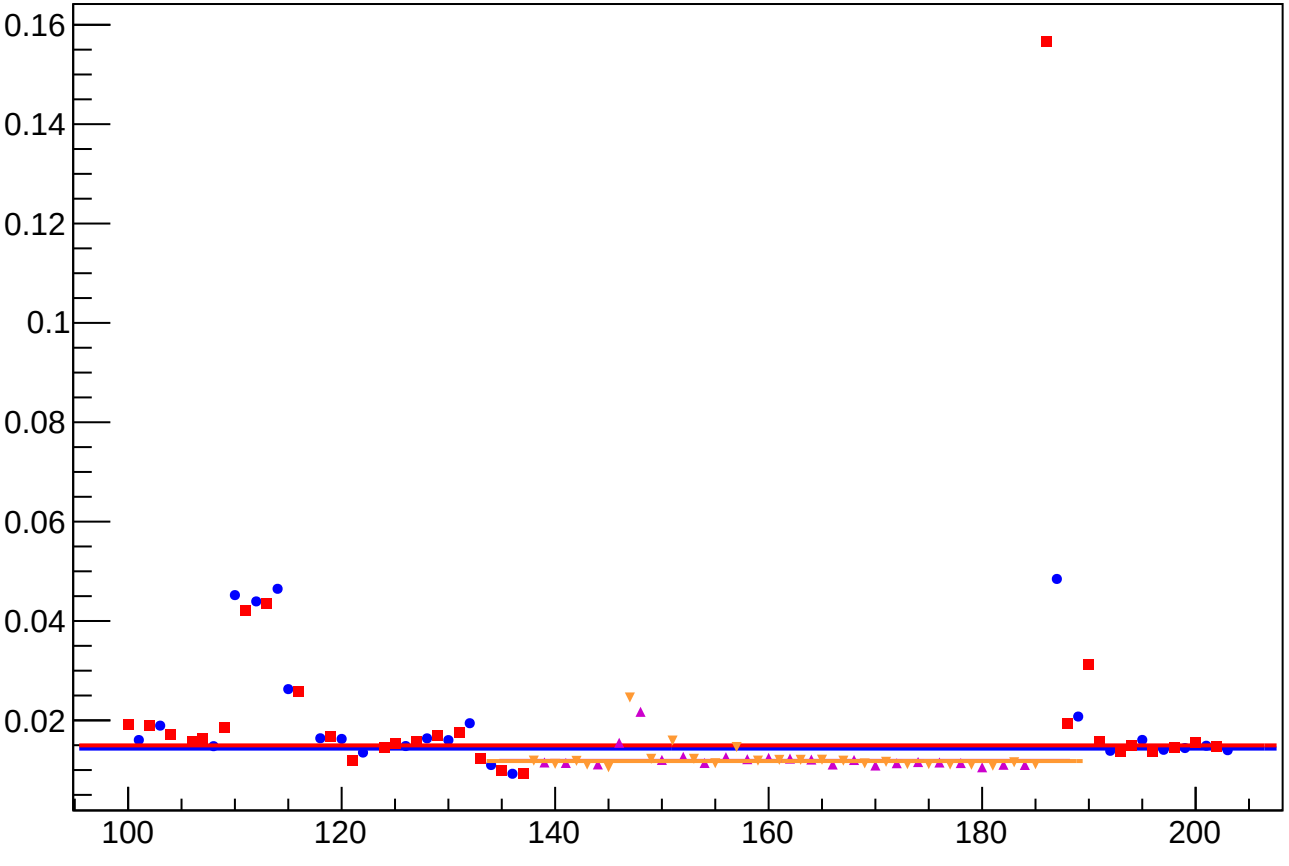
Right: 0.775+/-0.000 χ^2/NDF: 7712262725.4/52

In: 0.663+/-0.000 χ^2/NDF:5207362394.6/46

Out: 0.671+/-0.000 χ^2/NDF:5405737371.7/53

All: 0.667+/-0.000 χ^2/NDF: 10618028134.0/1

yield_bpm4acY_rms vs Slug, Sign Corrected



Right In: 0.014+/-0.000 χ^2/NDF: 1947693.1/23

Left Out: 0.012+/-0.000 χ^2/NDF:673680.7/24

Right Out: 0.015+/-0.000 χ^2/NDF: 2386364.4/28

Left In: 0.012+/-0.000 χ^2/NDF:508762.0/22

Left: 0.012+/-0.000 χ^2/NDF: 1182628.0/47

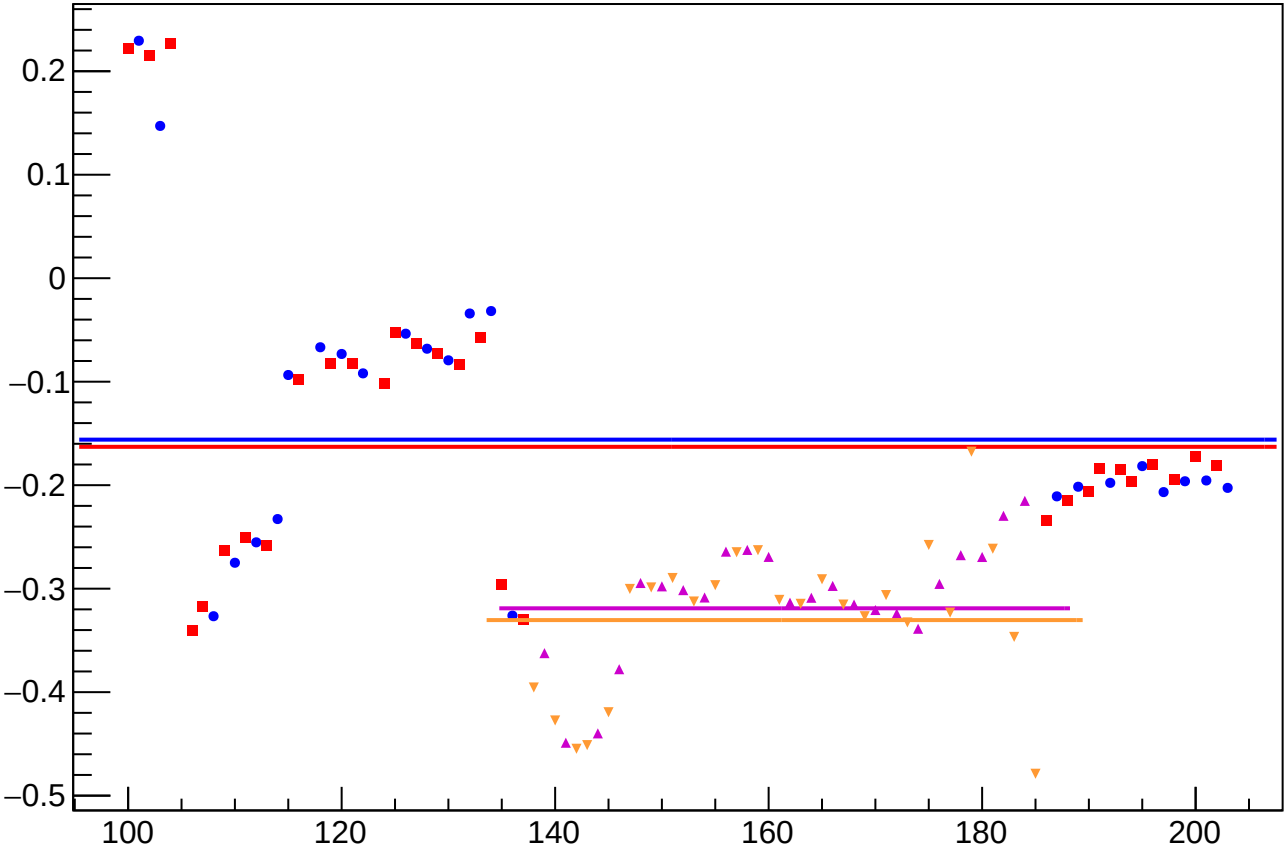
Right: 0.015+/-0.000 χ^2/NDF: 4357444.5/52

In: 0.013+/-0.000 χ^2/NDF:2927768.1/46

Out: 0.013+/-0.000 χ^2/NDF:3843407.7/53

All: 0.013+/-0.000 χ^2/NDF: 6774561.6/100

yield_bpm4ecX_mean vs Slug, Sign Corrected



Right In: -0.156+/-0.000 χ^2/NDF: 276780668.0/23

Left Out: -0.330+/-0.000 χ^2/NDF:182729419.2/24

Right Out: -0.163+/-0.000 χ^2/NDF: 198380811.5/28

Left In: -0.319+/-0.000 χ^2/NDF:130589173.8/22

Left: -0.325+/-0.000 χ^2/NDF: 316163358.3/47

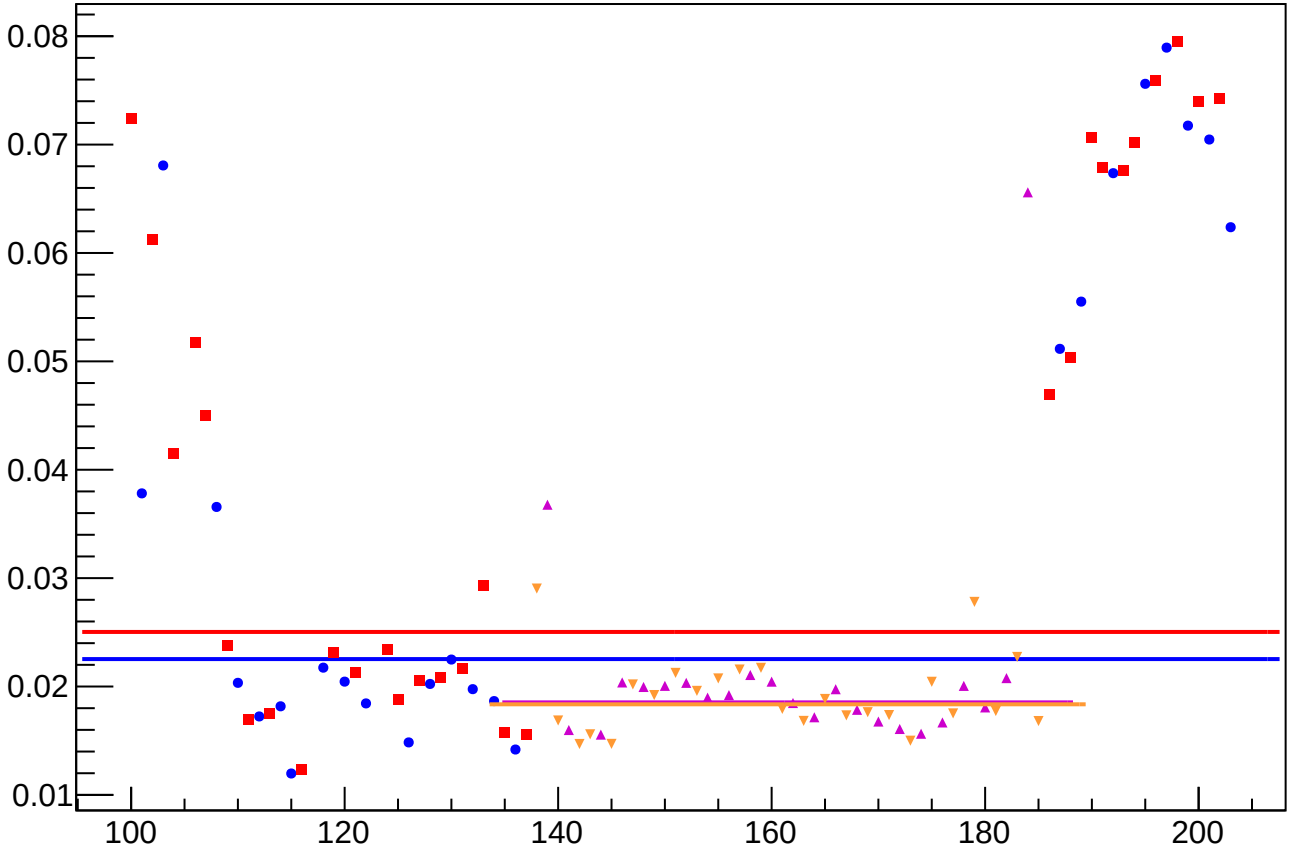
Right: -0.159+/-0.000 χ^2/NDF: 475535613.9/52

In: -0.274+/-0.000 χ^2/NDF:719513227.5/46

Out: -0.289+/-0.000 χ^2/NDF:695326216.8/53

All: -0.282+/-0.000 χ^2/NDF: 1421958159.4/1

yield_bpm4ecX_rms vs Slug, Sign Corrected



Right In: 0.023+/-0.000 χ^2/NDF: 6989728.7/23

Left Out: 0.018+/-0.000 χ^2/NDF:737503.8/24

Right Out: 0.025+/-0.000 χ^2/NDF: 7616738.1/28

Left In: 0.019+/-0.000 χ^2/NDF:933807.9/22

Left: 0.018+/-0.000 χ^2/NDF: 1672700.6/47

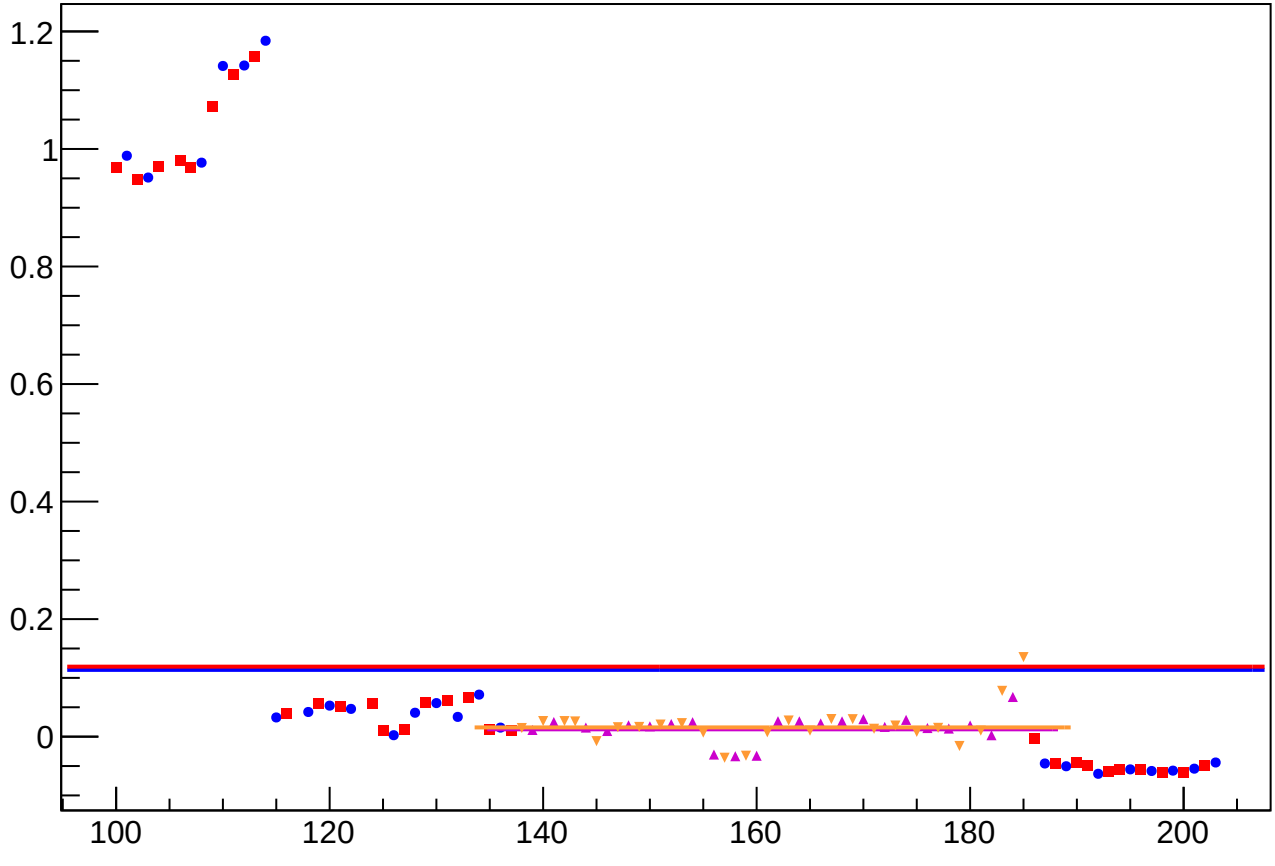
Right: 0.024+/-0.000 χ^2/NDF: 14703778.1/52

In: 0.020+/-0.000 χ^2/NDF:8298539.6/46

Out: 0.020+/-0.000 χ^2/NDF:9353431.5/53

All: 0.020+/-0.000 χ^2/NDF: 17659426.5/100

yield_bpm4ecY_mean vs Slug, Sign Corrected



Right In: 0.114+/-0.000 χ^2/NDF: 8120713804.8/23

Left Out: 0.016+/-0.000 χ^2/NDF:104485335.8/24

Right Out: 0.119+/-0.000 χ^2/NDF: 8885753240.6/28

Left In: 0.012+/-0.000 χ^2/NDF:58674739.1/22

Left: 0.014+/-0.000 χ^2/NDF: 163971847.3/47

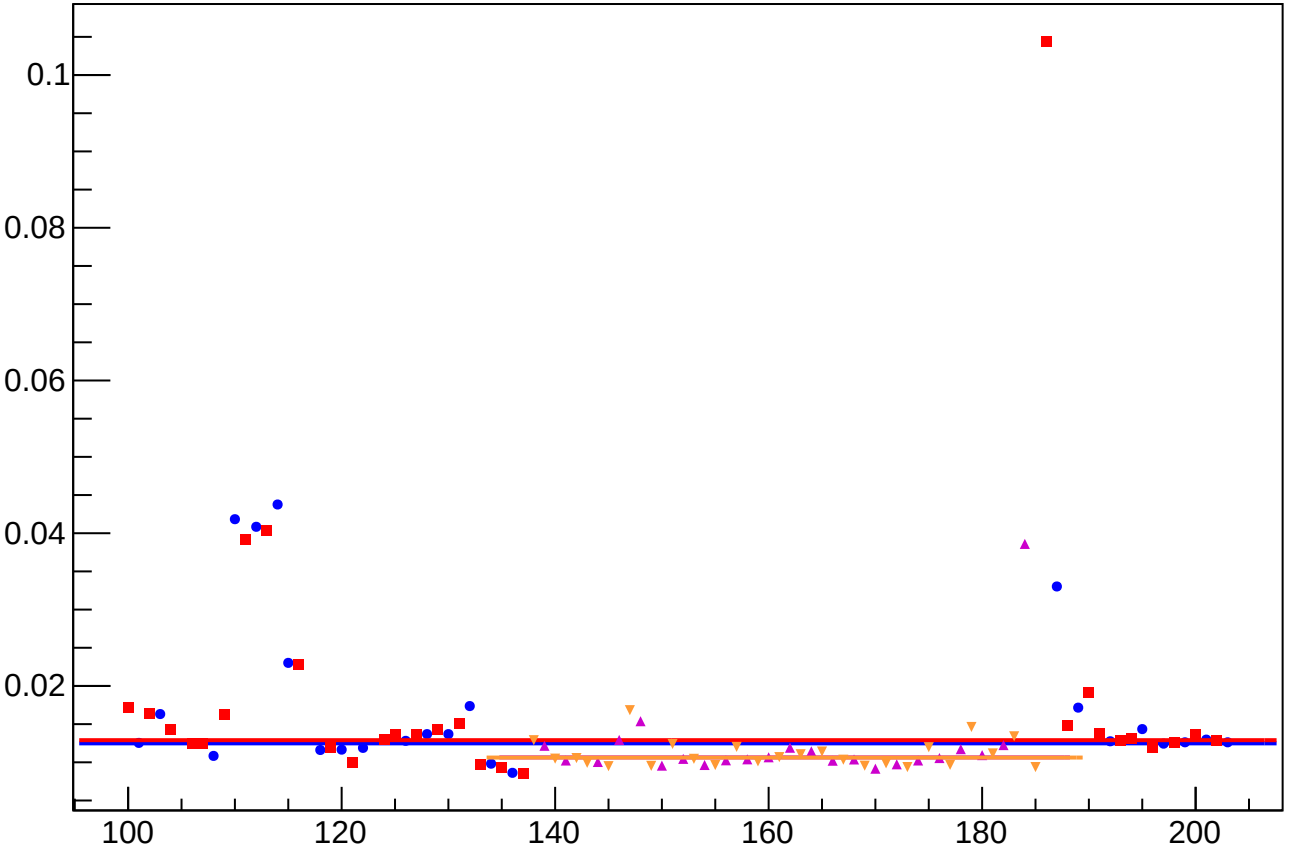
Right: 0.116+/-0.000 χ^2/NDF: 17007585767.3/52

In: 0.046+/-0.000 χ^2/NDF:8687216834.5/46

Out: 0.049+/-0.000 χ^2/NDF:9536542660.4/53

All: 0.048+/-0.000 χ^2/NDF: 18224947253.3/1

yield_bpm4ecY_rms vs Slug, Sign Corrected



Right In: 0.012+/-0.000 χ^2/NDF: 1731423.4/23

Left Out: 0.011+/-0.000 χ^2/NDF:622208.3/24

Right Out: 0.013+/-0.000 χ^2/NDF: 2109414.0/28

Left In: 0.011+/-0.000 χ^2/NDF:571950.9/22

Left: 0.011+/-0.000 χ^2/NDF: 1194217.8/47

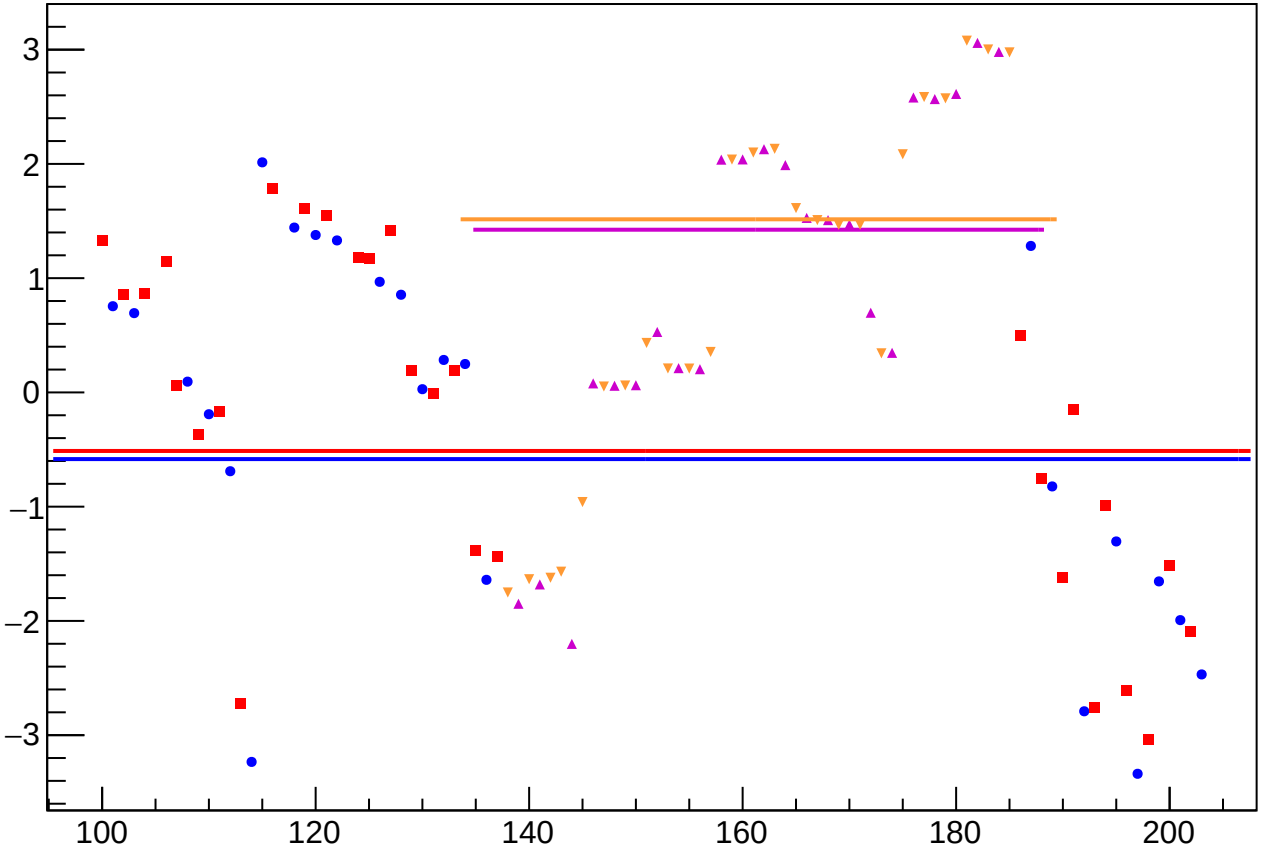
Right: 0.013+/-0.000 χ^2/NDF: 3853909.7/52

In: 0.011+/-0.000 χ^2/NDF:2639008.1/46

Out: 0.011+/-0.000 χ^2/NDF:3261392.6/53

All: 0.011+/-0.000 χ^2/NDF: 5903090.0/100

yield_bpm1X_mean vs Slug, Sign Corrected



Right In: -0.584+/-0.000 χ^2/NDF: 7207792005.0/23

Left Out: 1.515+/-0.000 χ^2/NDF:67789388512.2/24

Right Out: -0.512+/-0.000 χ^2/NDF: 6915747904.2/28

Left In: 1.424+/-0.000 χ^2/NDF:68046262594.0/22

Left: 1.469+/-0.000 χ^2/NDF: 136089936937.5/47

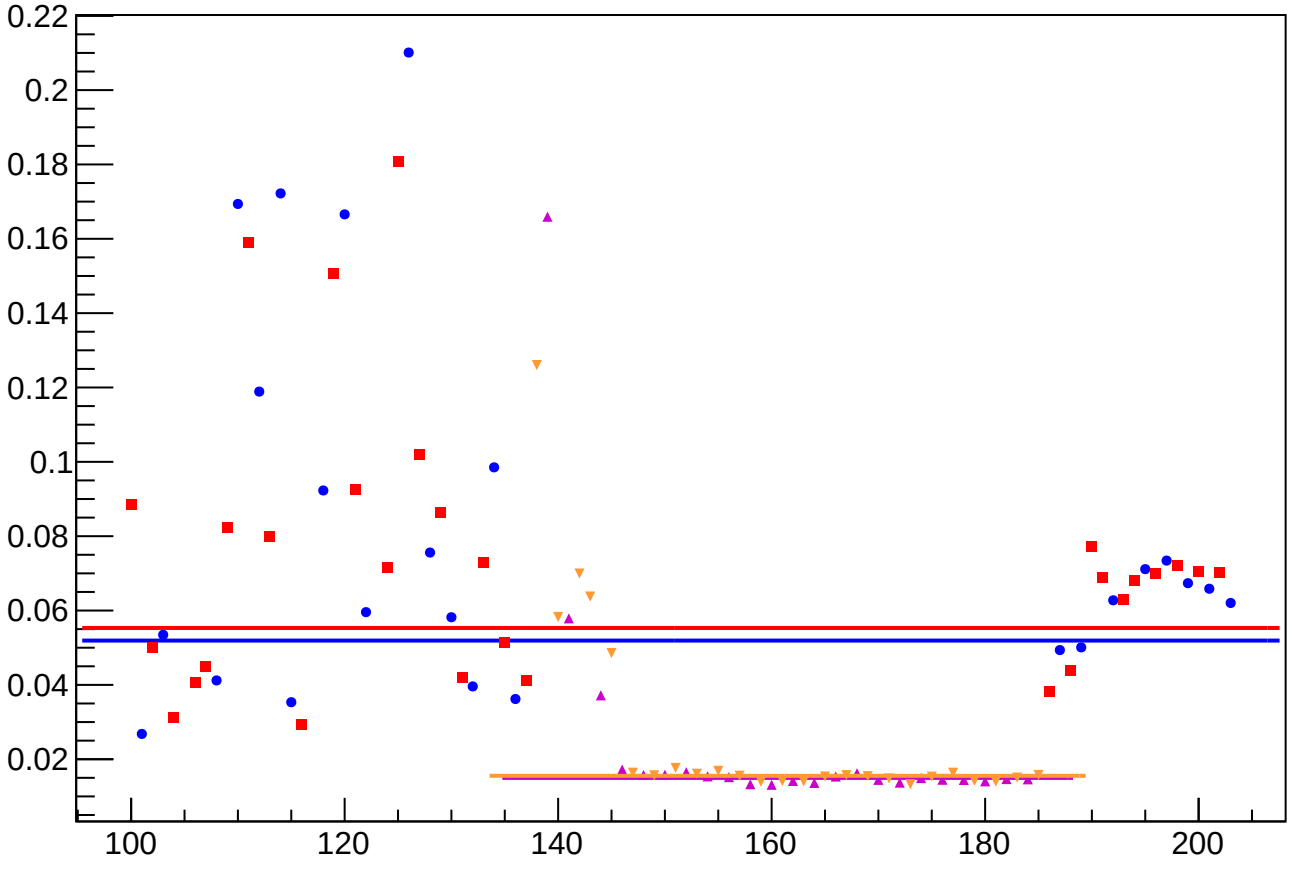
Right: -0.547+/-0.000 χ^2/NDF: 14132192165.7/52

In: 1.321+/-0.000 χ^2/NDF:88056967448.1/46

Out: 1.405+/-0.000 χ^2/NDF:88270508344.3/53

All: 1.363+/-0.000 χ^2/NDF: 176552545993.8

yield_bpm1X_rms vs Slug, Sign Corrected



Right In: 0.052+/-0.000 χ^2/NDF: 3550755.3/23

Left Out: 0.016+/-0.000 χ^2/NDF:2984313.0/24

Right Out: 0.055+/-0.000 χ^2/NDF: 3140986.0/28

Left In: 0.015+/-0.000 χ^2/NDF:2182916.7/22

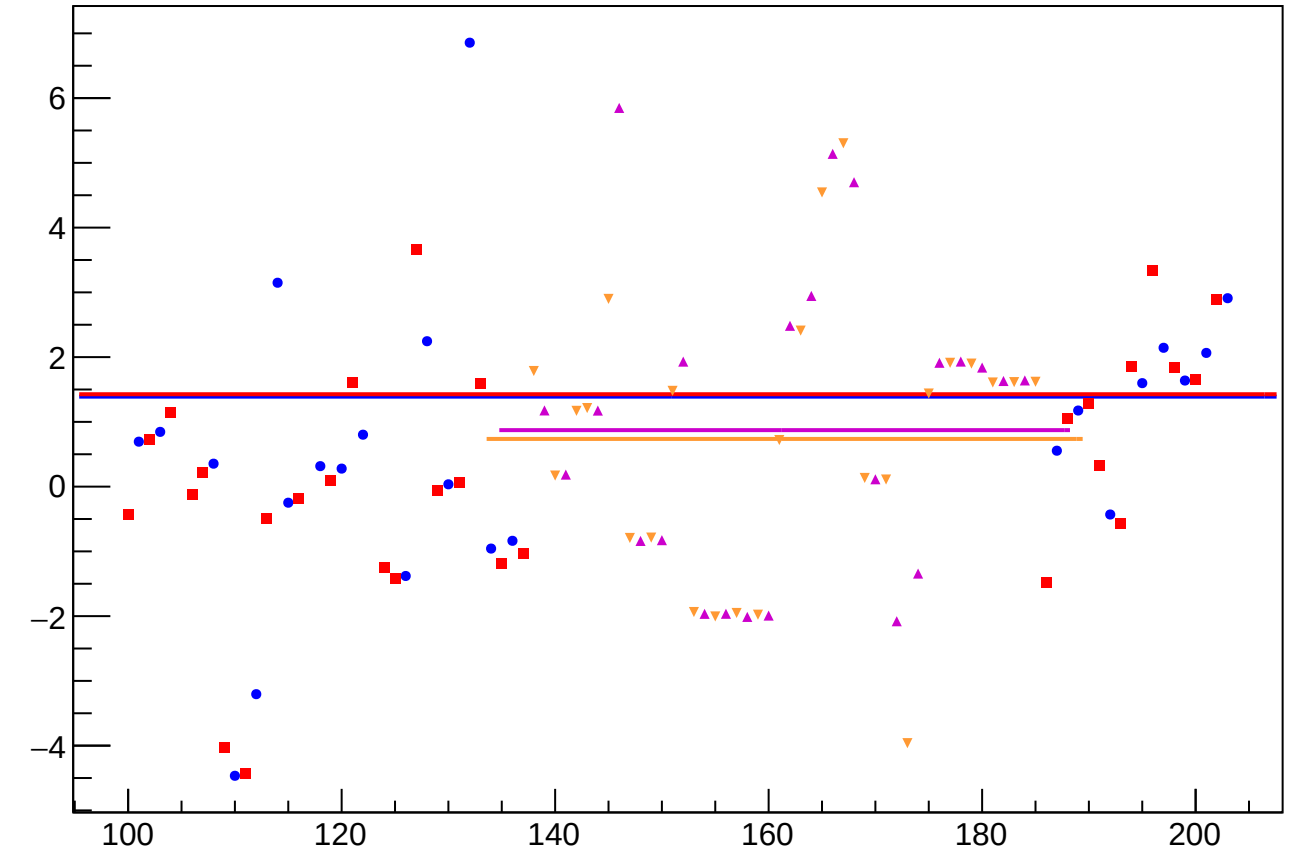
Left: 0.015+/-0.000 χ^2/NDF: 5187209.1/47

Right: 0.054+/-0.000 χ^2/NDF: 6731039.3/52

In: 0.017+/-0.000 χ^2/NDF:14404863.6/46

Out: 0.018+/-0.000 χ^2/NDF:16561378.9/53

All: 0.017+/-0.000 χ^2/NDF: 31012563.7/100



Right In: 1.390+/-0.000 χ^2/NDF: 27940677060.4/23

Left Out: 0.737+/-0.000 χ^2/NDF:535962480112.3/24

Right Out: 1.427+/-0.000 χ^2/NDF: 30292814744.5/28

Left In: 0.872+/-0.000 χ^2/NDF:620161319368.2/22

Left: 0.804+/-0.000 χ^2/NDF: 1157039374771.8/47

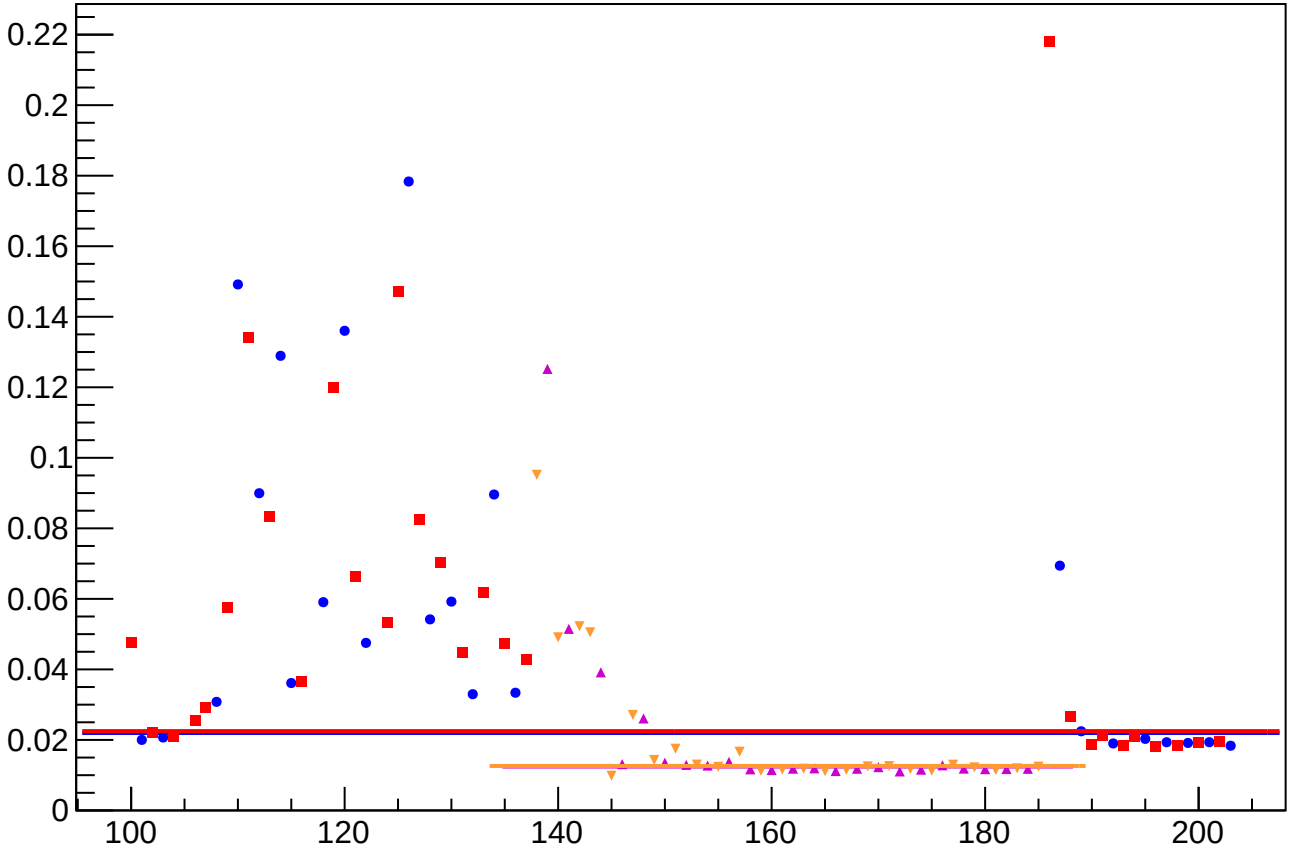
Right: 1.409+/-0.000 χ^2/NDF: 58245800779.5/52

In: 0.950+/-0.000 χ^2/NDF:652063072199.8/46

Out: 0.846+/-0.000 χ^2/NDF:573719937152.0/53

All: 0.897+/-0.000 χ^2/NDF: 1226418991279.

yield_bpm1Y_rms vs Slug, Sign Corrected



Right In: 0.022+/-0.000 χ^2/NDF: 4025091.4/23

Left Out: 0.013+/-0.000 χ^2/NDF:3191407.4/24

Right Out: 0.023+/-0.000 χ^2/NDF: 5071612.9/28

Left In: 0.012+/-0.000 χ^2/NDF:2756702.2/22

Left: 0.013+/-0.000 χ^2/NDF: 5950839.9/47

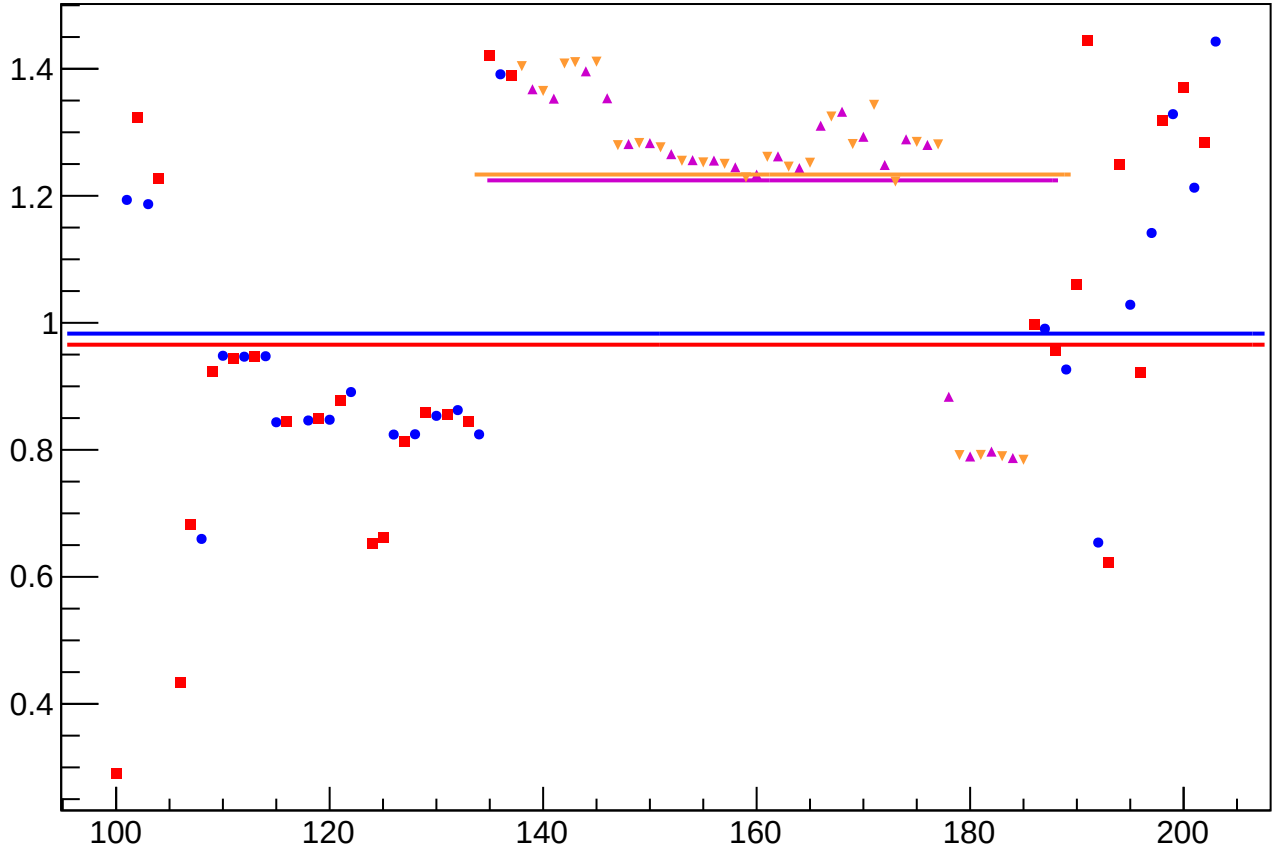
Right: 0.022+/-0.000 χ^2/NDF: 9101838.5/52

In: 0.014+/-0.000 χ^2/NDF:9458044.0/46

Out: 0.014+/-0.000 χ^2/NDF:11320339.4/53

All: 0.014+/-0.000 χ^2/NDF: 20789284.7/100

yield_bpm11X_mean vs Slug, Sign Corrected



Right In: 0.983+/-0.000 χ^2/NDF: 1848504615.2/23

Left Out: 1.234+/-0.000 χ^2/NDF:3043934887.1/24

Right Out: 0.966+/-0.000 χ^2/NDF: 2166537203.4/28

Left In: 1.224+/-0.000 χ^2/NDF:2653773297.1/22

Left: 1.229+/-0.000 χ^2/NDF: 5701436778.1/47

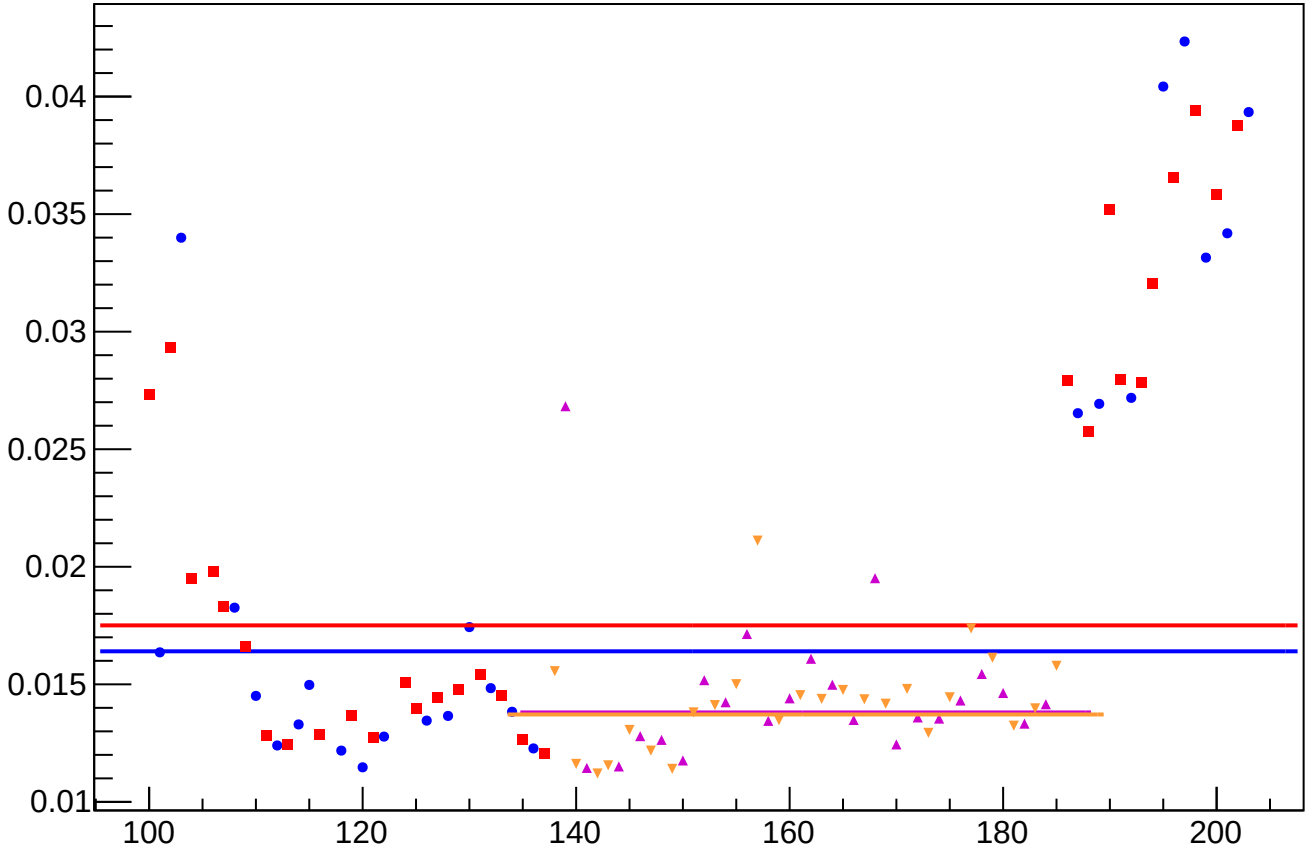
Right: 0.974+/-0.000 χ^2/NDF: 4020719118.5/52

In: 1.151+/-0.000 χ^2/NDF:6016263353.7/46

Out: 1.155+/-0.000 χ^2/NDF:7096699764.9/53

All: 1.153+/-0.000 χ^2/NDF: 13114386866.8/1

yield_bpm11X_rms vs Slug, Sign Corrected



Right In: 0.016+/-0.000 χ^2/NDF: 4027182.7/23

Left Out: 0.014+/-0.000 χ^2/NDF:550789.3/24

Right Out: 0.018+/-0.000 χ^2/NDF: 4005552.2/28

Left In: 0.014+/-0.000 χ^2/NDF:870104.2/22

Left: 0.014+/-0.000 χ^2/NDF: 1421553.5/47

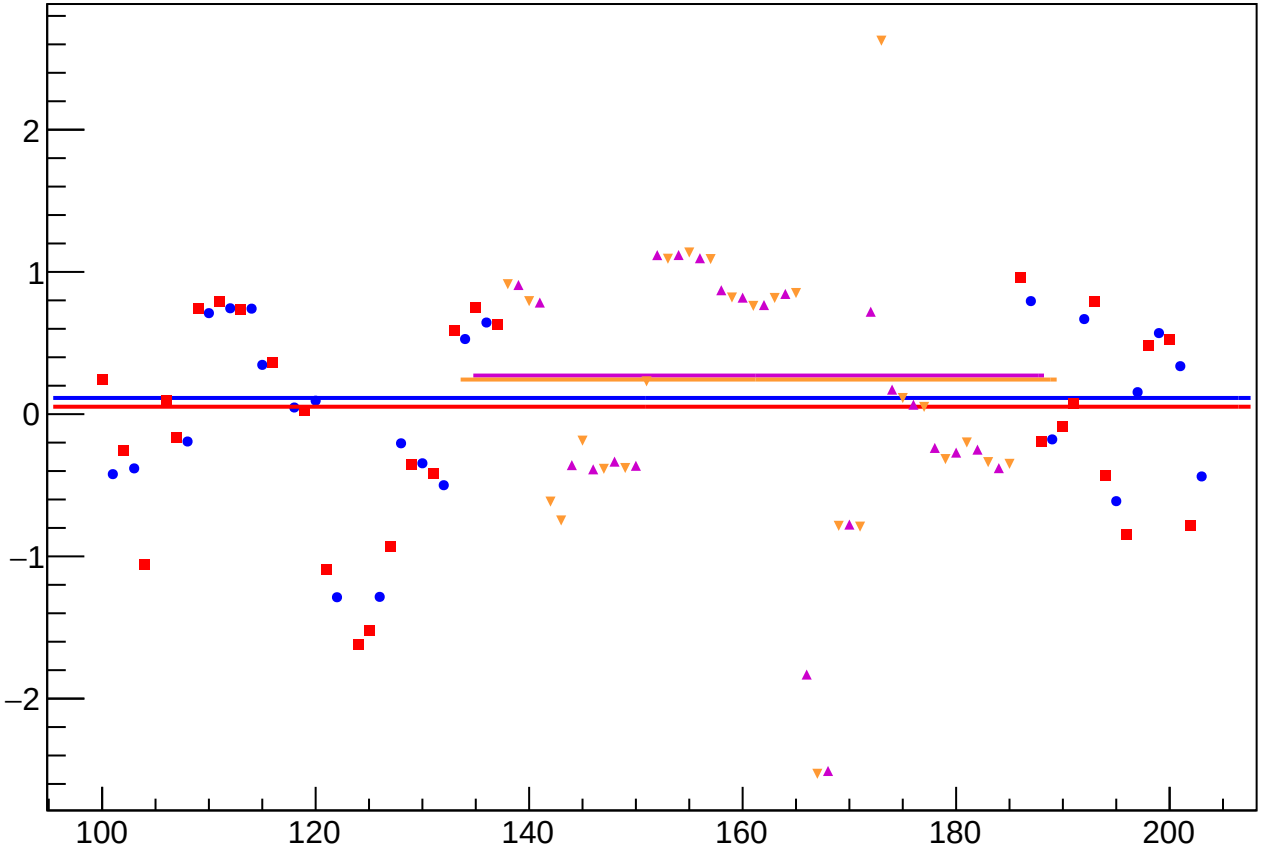
Right: 0.017+/-0.000 χ^2/NDF: 8078035.3/52

In: 0.015+/-0.000 χ^2/NDF:5248854.5/46

Out: 0.015+/-0.000 χ^2/NDF:5310776.4/53

All: 0.015+/-0.000 χ^2/NDF: 10565898.0/100

yield_bpm11Y_mean vs Slug, Sign Corrected



Right In: 0.114+/-0.000 χ^2/NDF: 20443922315.7/23

Left Out: 0.243+/-0.000 χ^2/NDF:105591710525.9/24

Right Out: 0.052+/-0.000 χ^2/NDF: 32889628862.1/28

Left In: 0.271+/-0.000 χ^2/NDF:90500933388.6/22

Left: 0.257+/-0.000 χ^2/NDF: 196139241247.8/47

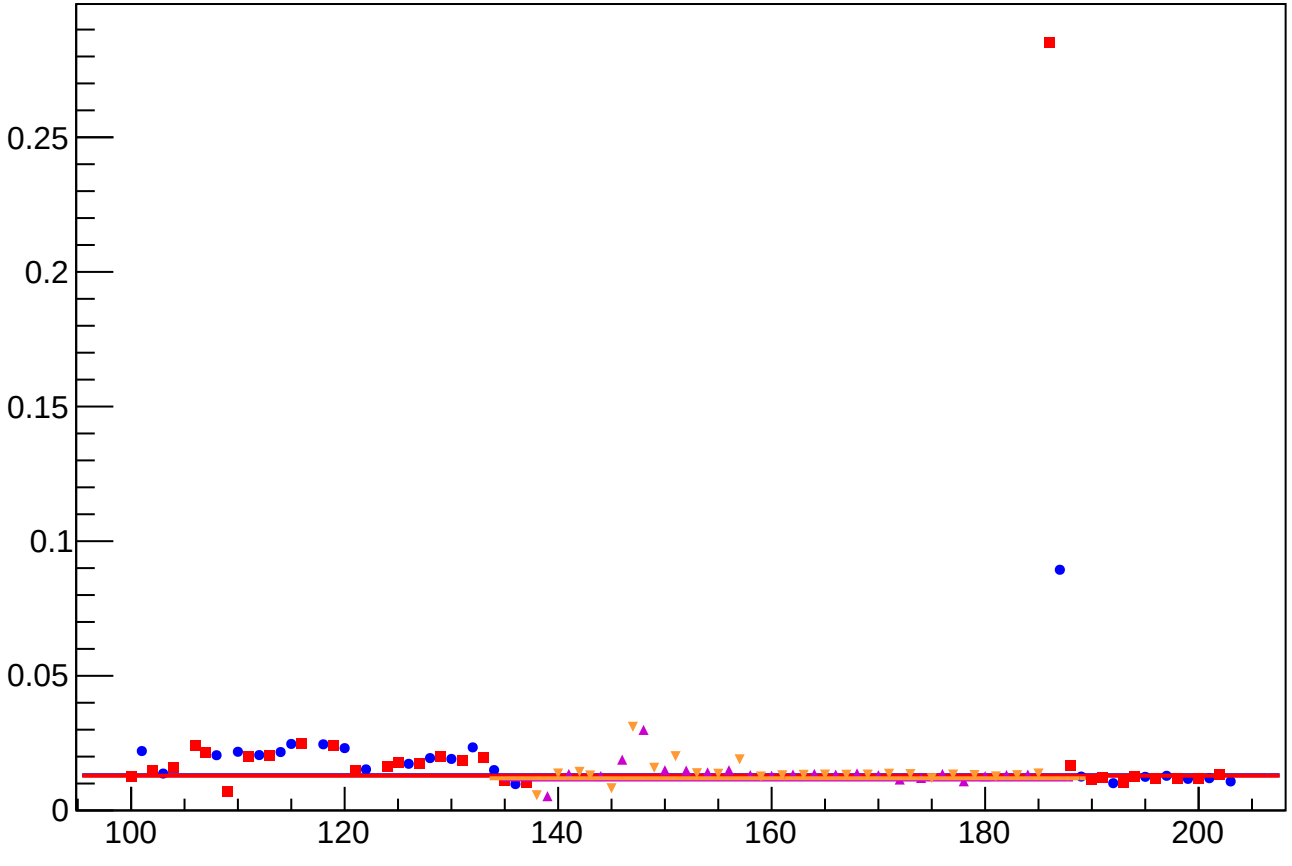
Right: 0.082+/-0.000 χ^2/NDF: 53460809722.6/52

In: 0.216+/-0.000 χ^2/NDF:111972766603.4/46

Out: 0.172+/-0.000 χ^2/NDF:140088781456.0/53

All: 0.194+/-0.000 χ^2/NDF: 252242904266.4

yield_bpm11Y_rms vs Slug, Sign Corrected



Right In: 0.013+/-0.000 χ^2/NDF: 2107045.6/23

Left Out: 0.012+/-0.000 χ^2/NDF:3266034.8/24

Right Out: 0.013+/-0.000 χ^2/NDF: 2672373.8/28

Left In: 0.011+/-0.000 χ^2/NDF:3671096.5/22

Left: 0.012+/-0.000 χ^2/NDF: 6962181.1/47

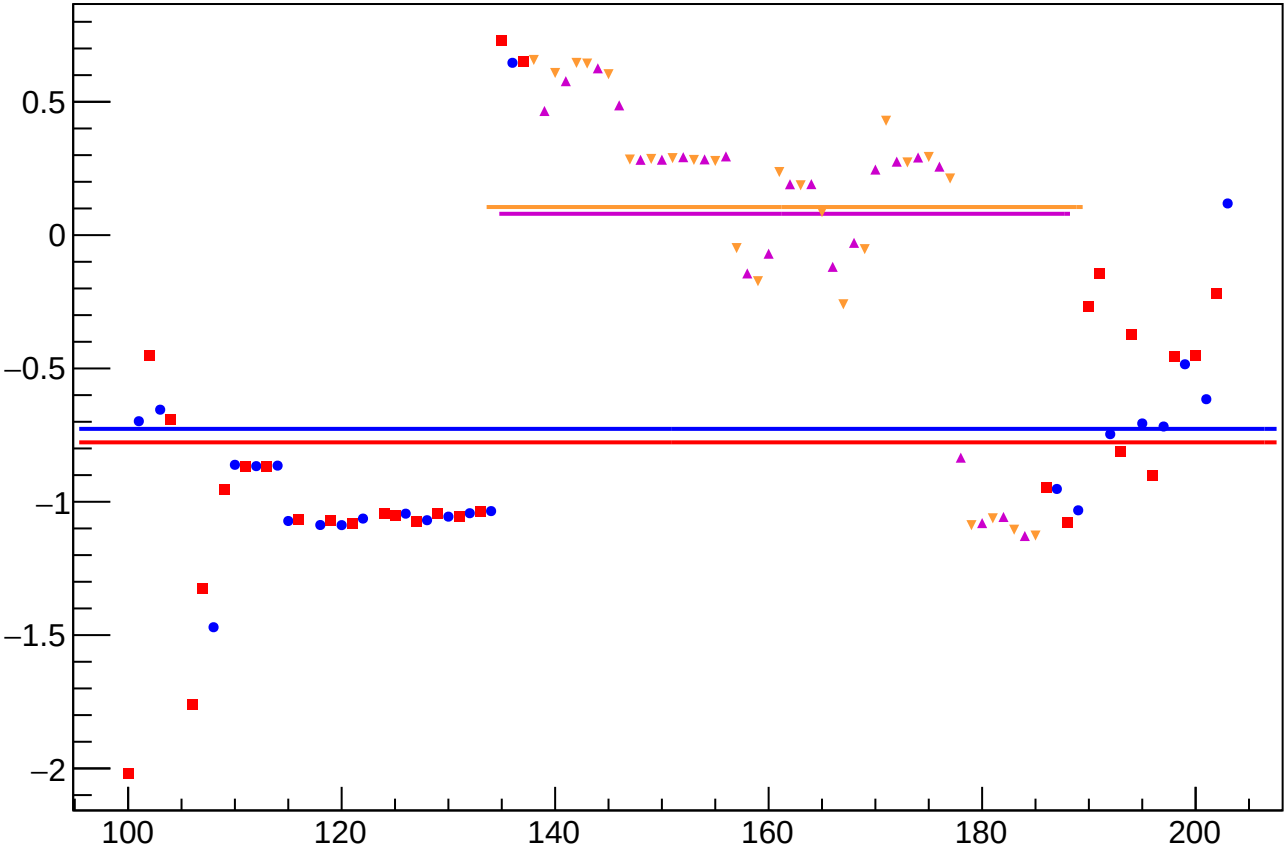
Right: 0.013+/-0.000 χ^2/NDF: 4781239.5/52

In: 0.012+/-0.000 χ^2/NDF:5986964.9/46

Out: 0.012+/-0.000 χ^2/NDF:6019855.8/53

All: 0.012+/-0.000 χ^2/NDF: 12019634.9/100

yield_bpm12X_mean vs Slug, Sign Corrected



Right In: -0.727+/-0.000 χ^2/NDF: 2162116014.8/23

Left Out: 0.105+/-0.000 χ^2/NDF:3787188881.7/24

Right Out: -0.777+/-0.000 χ^2/NDF: 2032021754.9/28

Left In: 0.080+/-0.000 χ^2/NDF:3269598614.0/22

Left: 0.093+/-0.000 χ^2/NDF: 7060999344.9/47

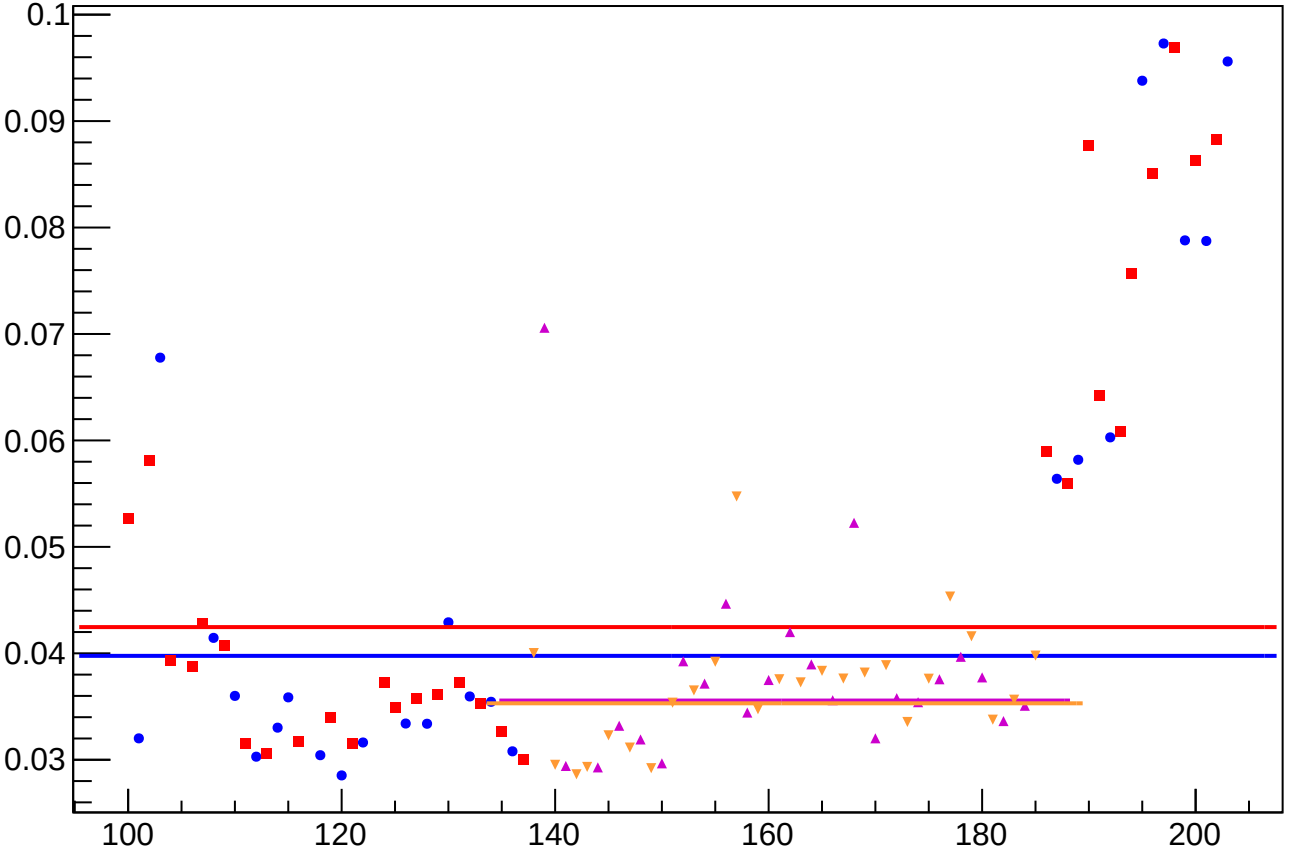
Right: -0.752+/-0.000 χ^2/NDF: 4202440137.1/52

In: -0.194+/-0.000 χ^2/NDF:8242111188.0/46

Out: -0.180+/-0.000 χ^2/NDF:9215640624.1/53

All: -0.187+/-0.000 χ^2/NDF: 17459678209.2/

yield_bpm12X_rms vs Slug, Sign Corrected



Right In: 0.040+/-0.000 χ^2/NDF: 3600944.1/23

Left Out: 0.035+/-0.000 χ^2/NDF:612627.1/24

Right Out: 0.042+/-0.000 χ^2/NDF: 3455102.2/28

Left In: 0.036+/-0.000 χ^2/NDF:960383.5/22

Left: 0.035+/-0.000 χ^2/NDF: 1573892.0/47

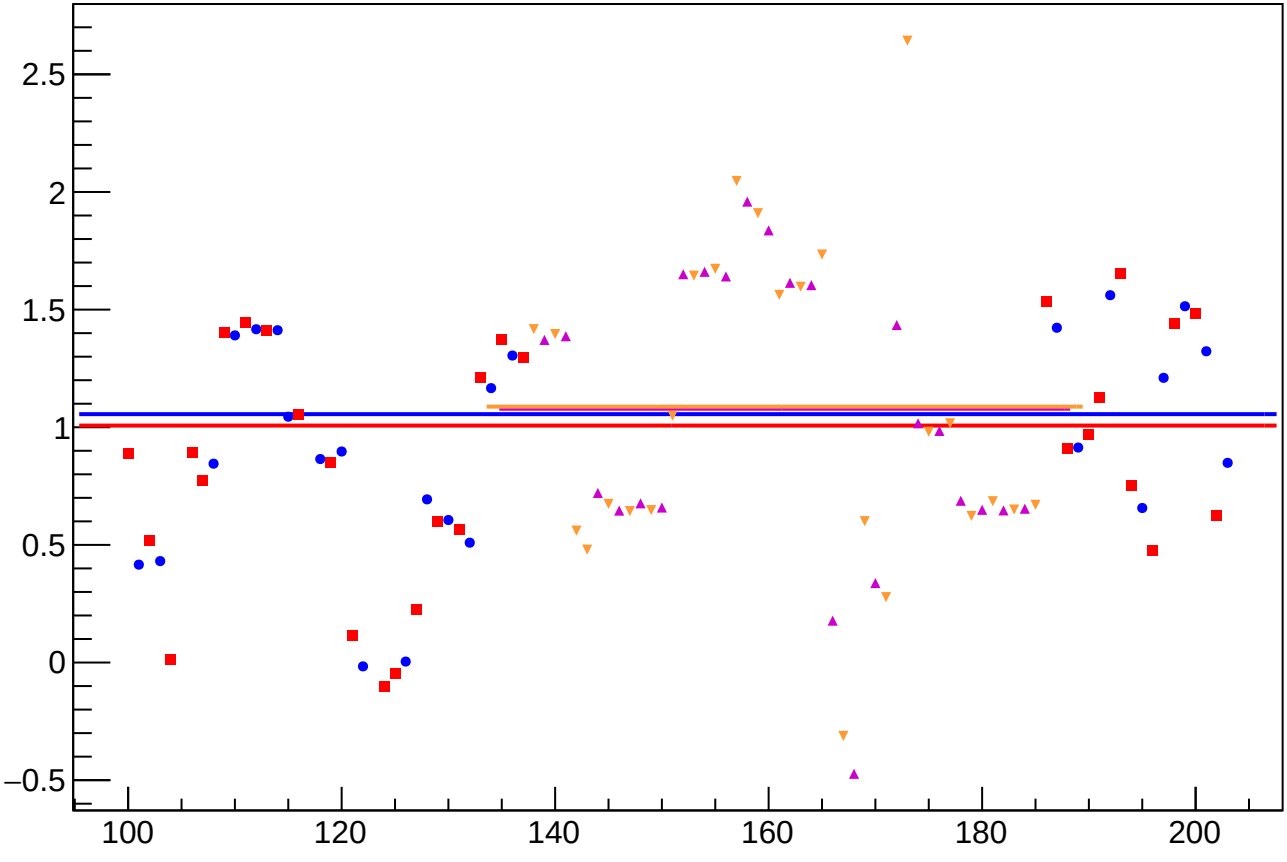
Right: 0.041+/-0.000 χ^2/NDF: 7103457.9/52

In: 0.037+/-0.000 χ^2/NDF:4713657.4/46

Out: 0.038+/-0.000 χ^2/NDF:4514964.8/53

All: 0.037+/-0.000 χ^2/NDF: 9236376.8/100

yield_bpm12Y_mean vs Slug, Sign Corrected



Right In: 1.056+/-0.000 χ^2/NDF: 25264565130.6/23

Left Out: 1.088+/-0.000 χ^2/NDF:93851056436.3/24

Right Out: 1.007+/-0.000 χ^2/NDF: 34589815489.2/28

Left In: 1.079+/-0.000 χ^2/NDF:74081002727.0/22

Left: 1.083+/-0.000 χ^2/NDF: 167940854654.3/47

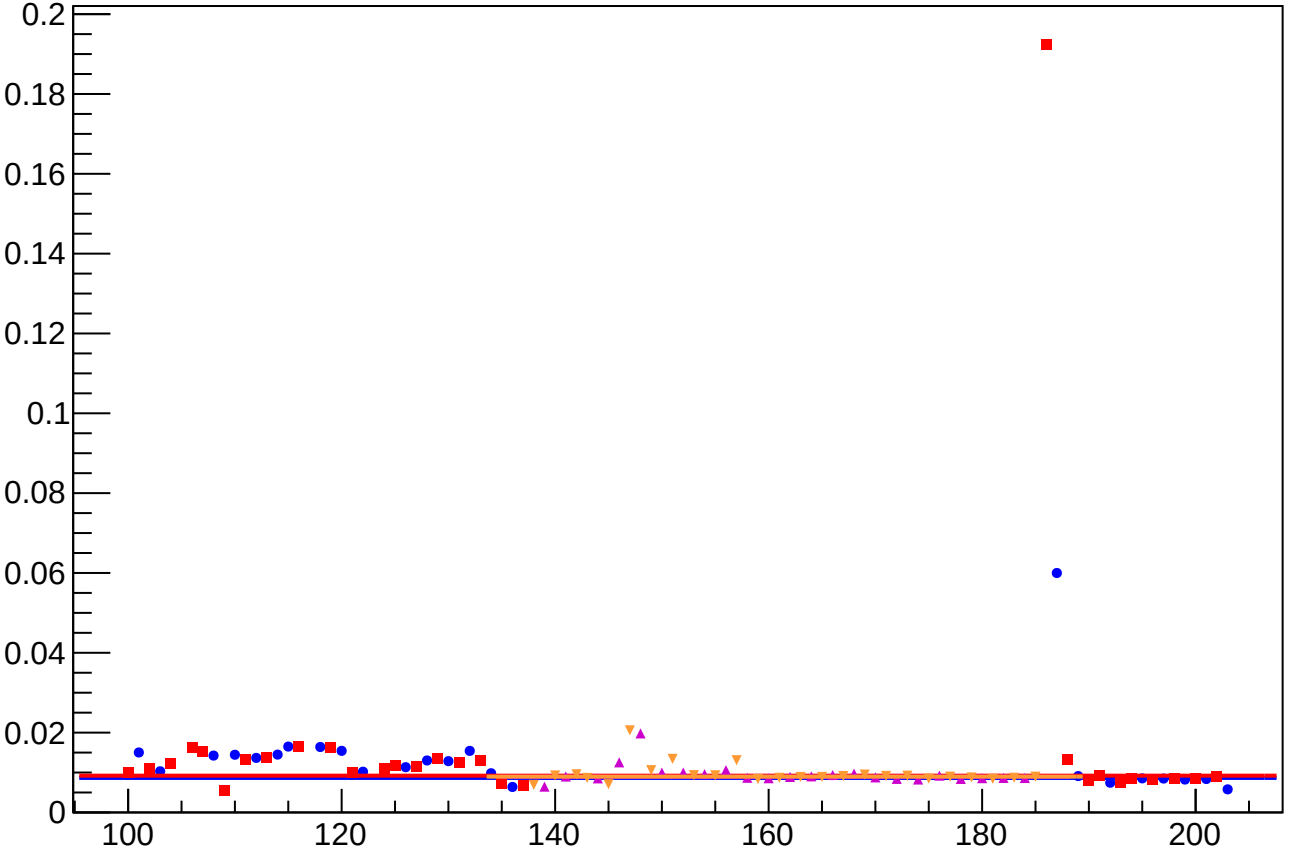
Right: 1.032+/-0.000 χ^2/NDF: 60025240795.4/52

In: 1.069+/-0.000 χ^2/NDF:99391298908.2/46

Out: 1.056+/-0.000 χ^2/NDF:129006503960.6/53

All: 1.063+/-0.000 χ^2/NDF: 228428049905.8

yield_bpm12Y_rms vs Slug, Sign Corrected



Right In: 0.009+/-0.000 χ^2/NDF: 2371795.0/23

Left Out: 0.009+/-0.000 χ^2/NDF:1146497.6/24

Right Out: 0.009+/-0.000 χ^2/NDF: 2383271.6/28

Left In: 0.009+/-0.000 χ^2/NDF:966765.2/22

Left: 0.009+/-0.000 χ^2/NDF: 2113402.8/47

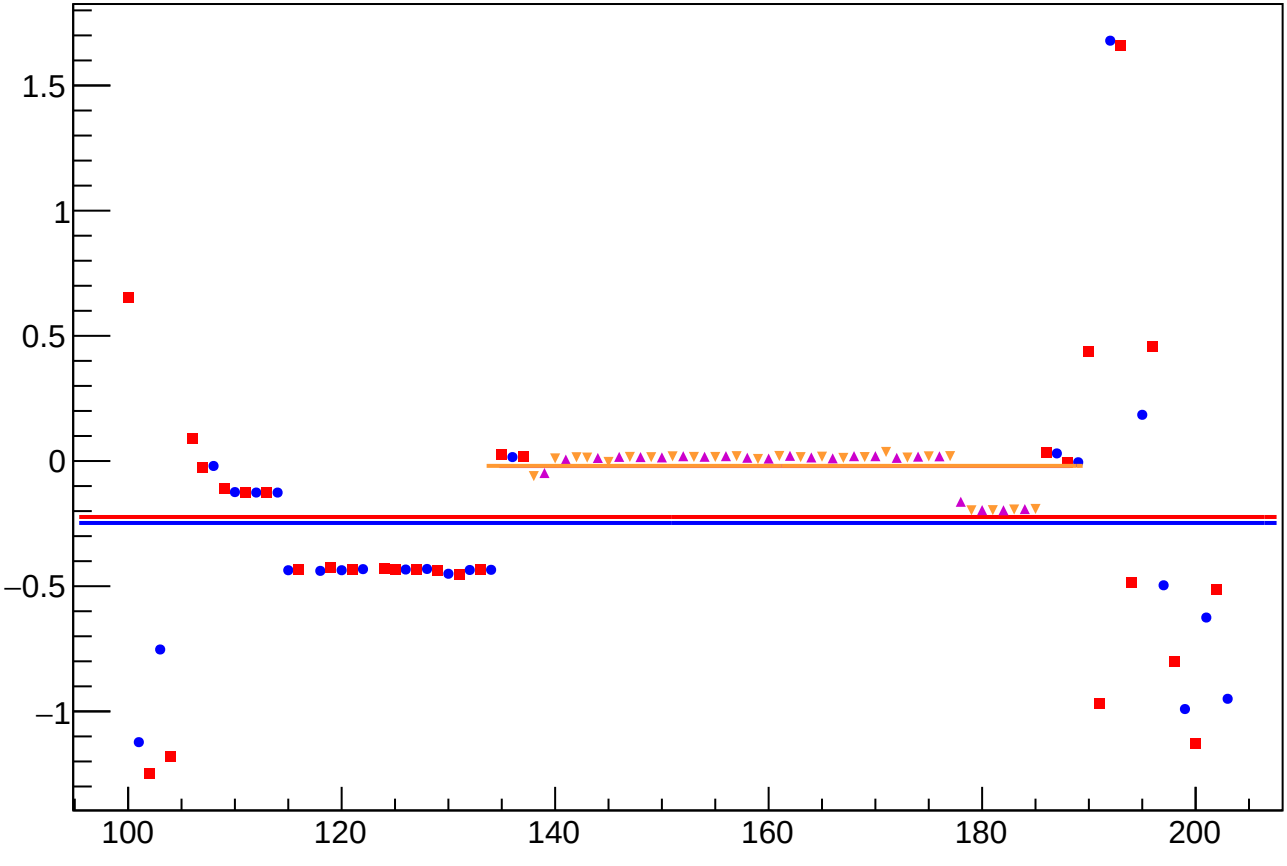
Right: 0.009+/-0.000 χ^2/NDF: 4801611.3/52

In: 0.009+/-0.000 χ^2/NDF:3353792.8/46

Out: 0.009+/-0.000 χ^2/NDF:3540286.8/53

All: 0.009+/-0.000 χ^2/NDF: 6915324.9/100

yield_bpm16X_mean vs Slug, Sign Corrected



Right In: -0.247+/-0.000 χ^2/NDF: 3297349533.0/23

Left Out: -0.019+/-0.000 χ^2/NDF:1058597672.8/24

Right Out: -0.224+/-0.000 χ^2/NDF: 2910216890.6/28

Left In: -0.020+/-0.000 χ^2/NDF:984483299.5/22

Left: -0.020+/-0.000 χ^2/NDF: 2043130063.5/47

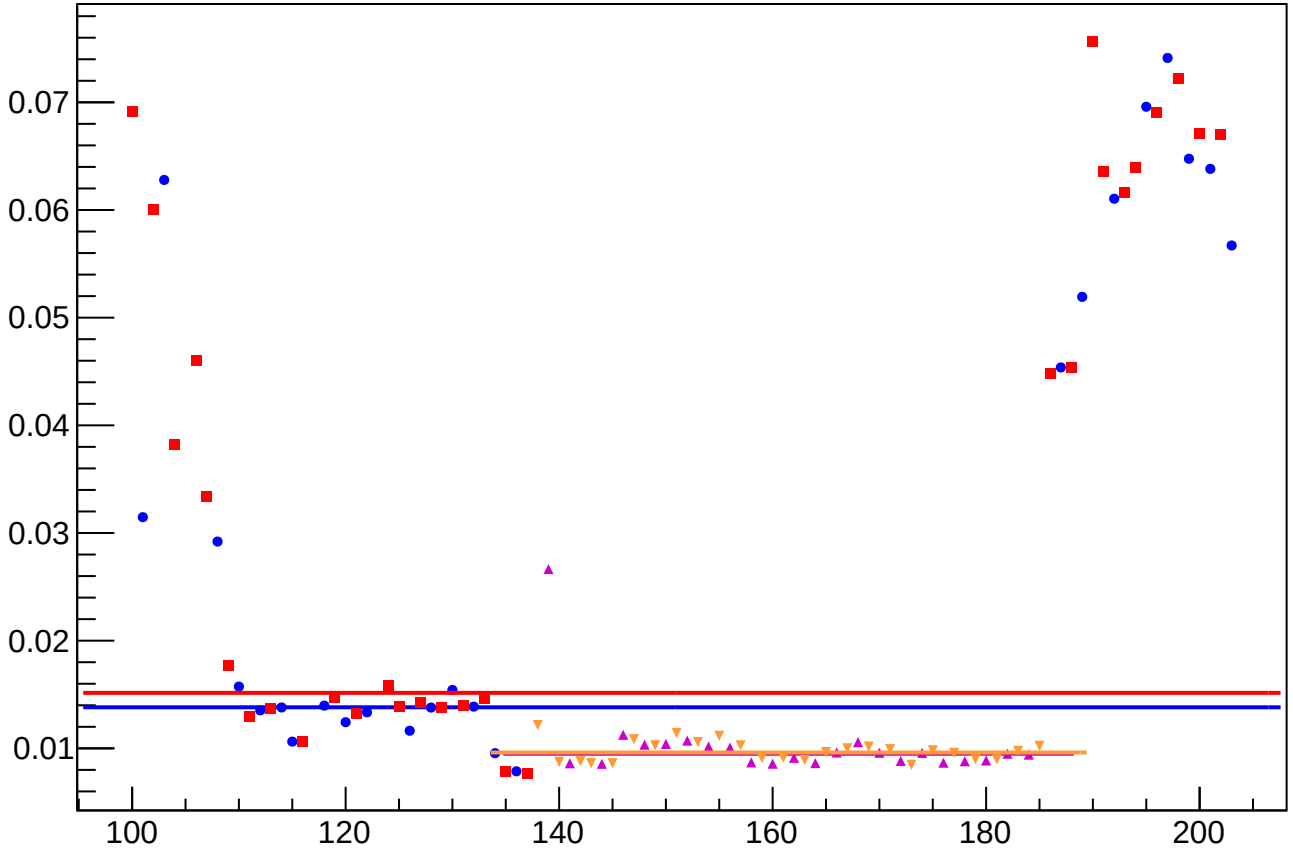
Right: -0.236+/-0.000 χ^2/NDF: 6217611297.2/52

In: -0.061+/-0.000 χ^2/NDF:5849597618.0/46

Out: -0.052+/-0.000 χ^2/NDF:5146989586.1/53

All: -0.056+/-0.000 χ^2/NDF: 11005195868.1/

yield_bpm16X_rms vs Slug, Sign Corrected



Right In: 0.014+/-0.000 χ^2/NDF: 9088447.9/23

Left Out: 0.010+/-0.000 χ^2/NDF:271912.7/24

Right Out: 0.015+/-0.000 χ^2/NDF: 10370949.2/28

Left In: 0.009+/-0.000 χ^2/NDF:900469.0/22

Left: 0.010+/-0.000 χ^2/NDF: 1174797.3/47

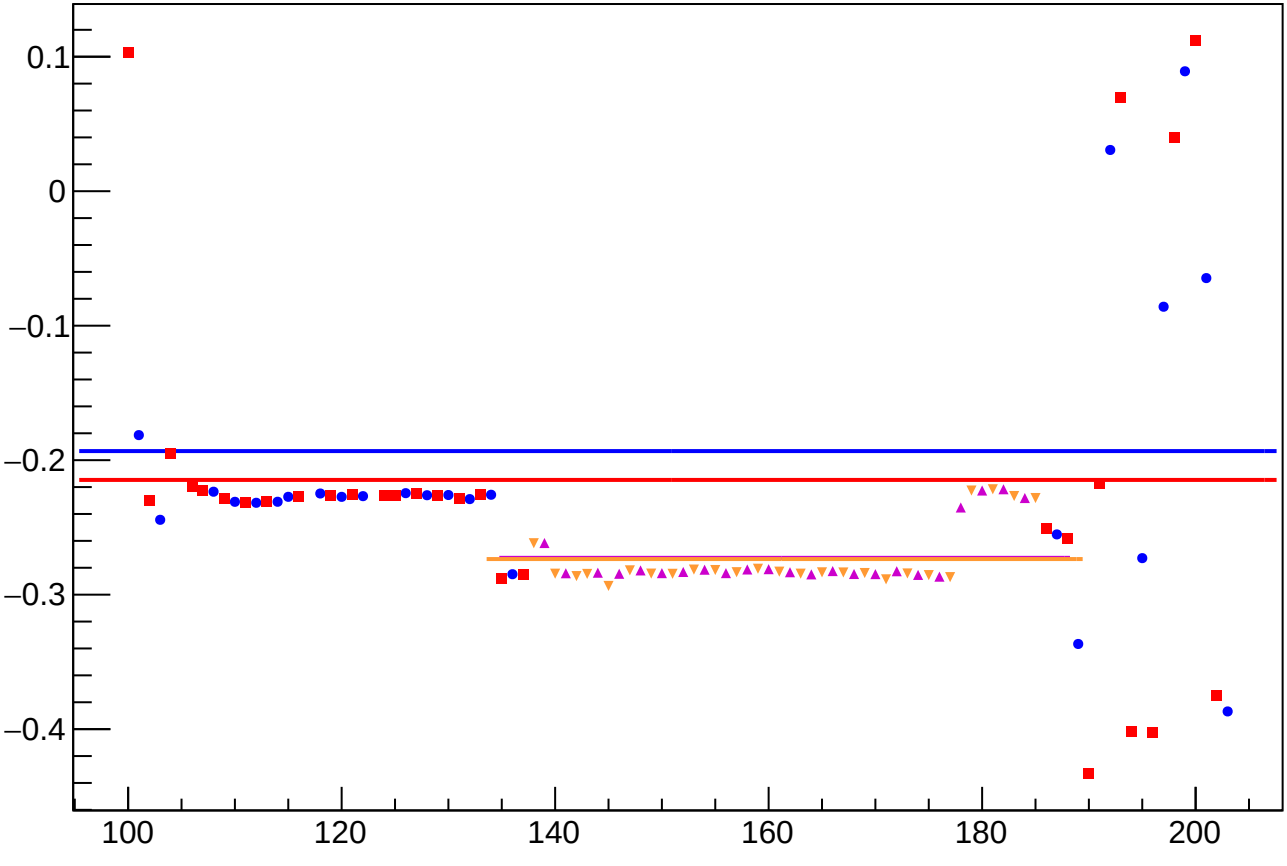
Right: 0.014+/-0.000 χ^2/NDF: 19522716.5/52

In: 0.010+/-0.000 χ^2/NDF:11119631.5/46

Out: 0.010+/-0.000 χ^2/NDF:12377137.2/53

All: 0.010+/-0.000 χ^2/NDF: 23507271.9/100

yield_bpm16Y_mean vs Slug, Sign Corrected



Right In: -0.193+/-0.000 χ^2/NDF: 5792314443.3/23

Left Out: -0.274+/-0.000 χ^2/NDF:395563277.1/24

Right Out: -0.215+/-0.000 χ^2/NDF: 8605223025.0/28

Left In: -0.273+/-0.000 χ^2/NDF:335149425.2/22

Left: -0.273+/-0.000 χ^2/NDF: 730998387.7/47

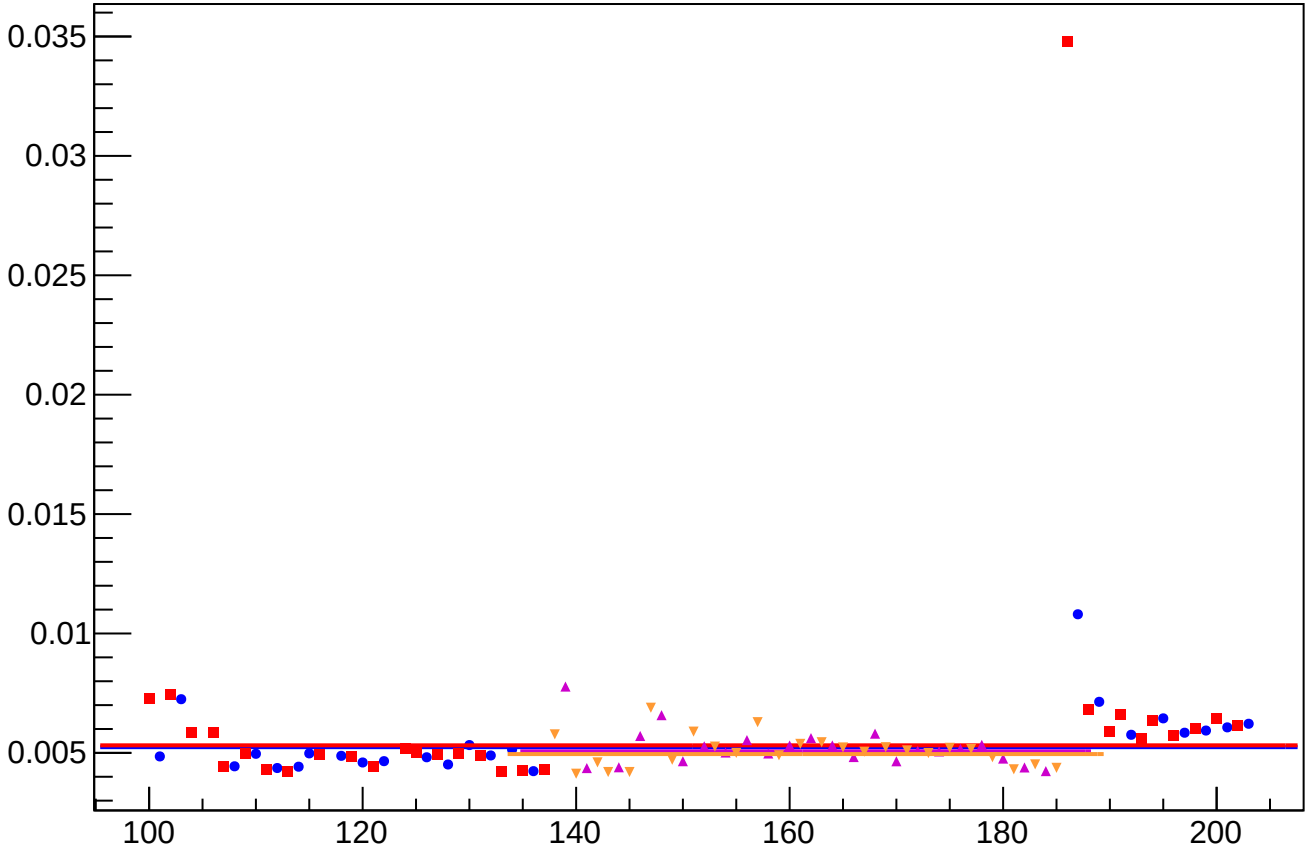
Right: -0.204+/-0.000 χ^2/NDF: 14499738444.0/52

In: -0.241+/-0.000 χ^2/NDF:7780541906.5/46

Out: -0.251+/-0.000 χ^2/NDF:9979157485.4/53

All: -0.246+/-0.000 χ^2/NDF: 17811698832.4/

yield_bpm16Y_rms vs Slug, Sign Corrected



Right In: 0.005+/-0.000 χ^2/NDF: 664585.7/23

Left Out: 0.005+/-0.000 χ^2/NDF:528766.8/24

Right Out: 0.005+/-0.000 χ^2/NDF: 1271316.3/28

Left In: 0.005+/-0.000 χ^2/NDF:539392.8/22

Left: 0.005+/-0.000 χ^2/NDF: 1077679.9/47

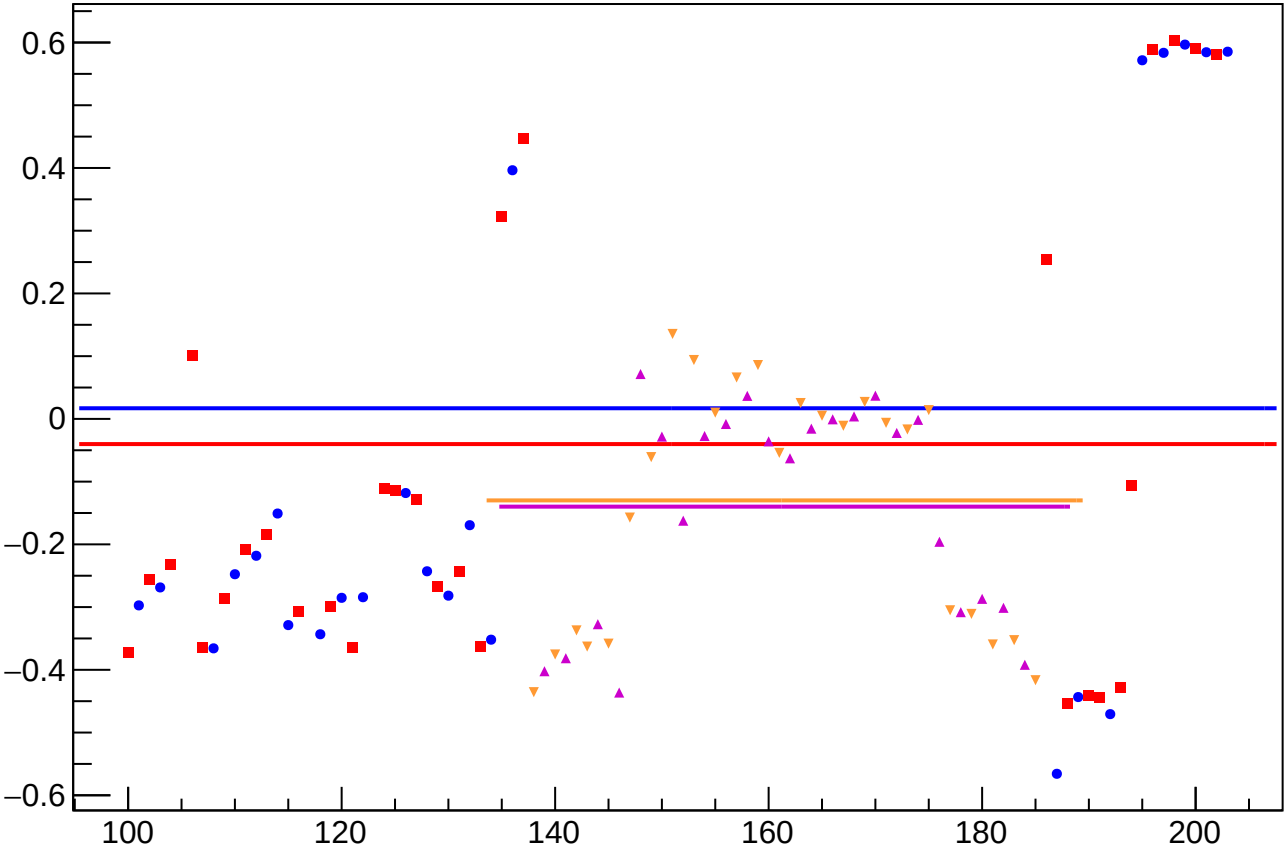
Right: 0.005+/-0.000 χ^2/NDF: 1938501.1/52

In: 0.005+/-0.000 χ^2/NDF:1219766.7/46

Out: 0.005+/-0.000 χ^2/NDF:1875973.3/53

All: 0.005+/-0.000 χ^2/NDF: 3097984.8/100

yield_bpm0i02X_mean vs Slug, Sign Corrected



Right In: 0.017+/-0.000 χ^2/NDF: 50677484000.6/23

Left Out: -0.130+/-0.000 χ^2/NDF:21496239338.5/24

Right Out: -0.040+/-0.000 χ^2/NDF: 46815119762.0/28

Left In: -0.140+/-0.000 χ^2/NDF:15148699439.4/22

Left: -0.135+/-0.000 χ^2/NDF: 36673480193.4/47

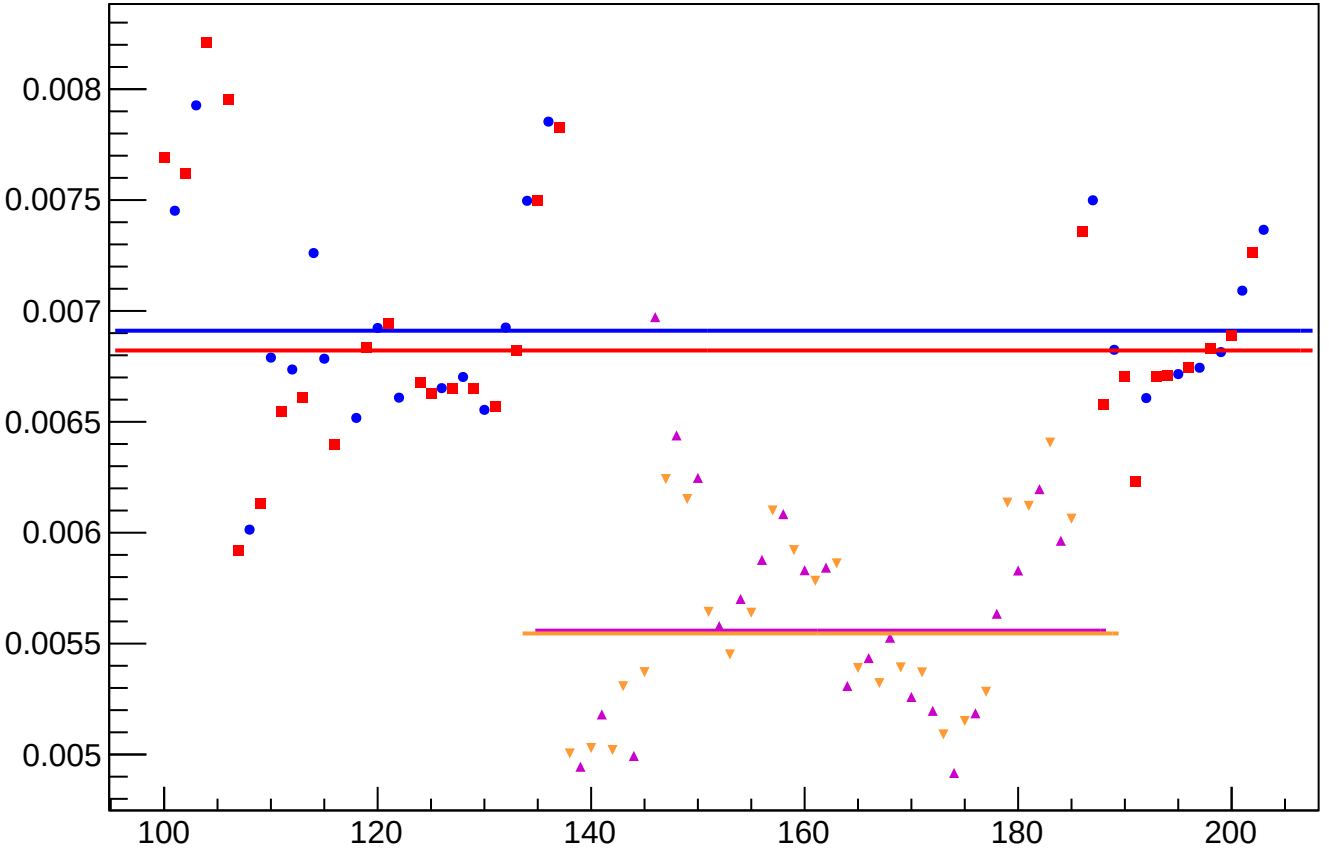
Right: -0.013+/-0.000 χ^2/NDF: 97961398022.0/52

In: -0.089+/-0.000 χ^2/NDF:70319476511.6/46

Out: -0.100+/-0.000 χ^2/NDF:69941092356.9/53

All: -0.094+/-0.000 χ^2/NDF: 140311683094.

yield_bpm0i02X_rms vs Slug, Sign Corrected



Right In: 0.007+/-0.000 χ^2/NDF: 102378.0/23

Left Out: 0.006+/-0.000 χ^2/NDF:201874.8/24

Right Out: 0.007+/-0.000 χ^2/NDF: 119334.5/28

Left In: 0.006+/-0.000 χ^2/NDF:260994.3/22

Left: 0.006+/-0.000 χ^2/NDF: 462963.1/47

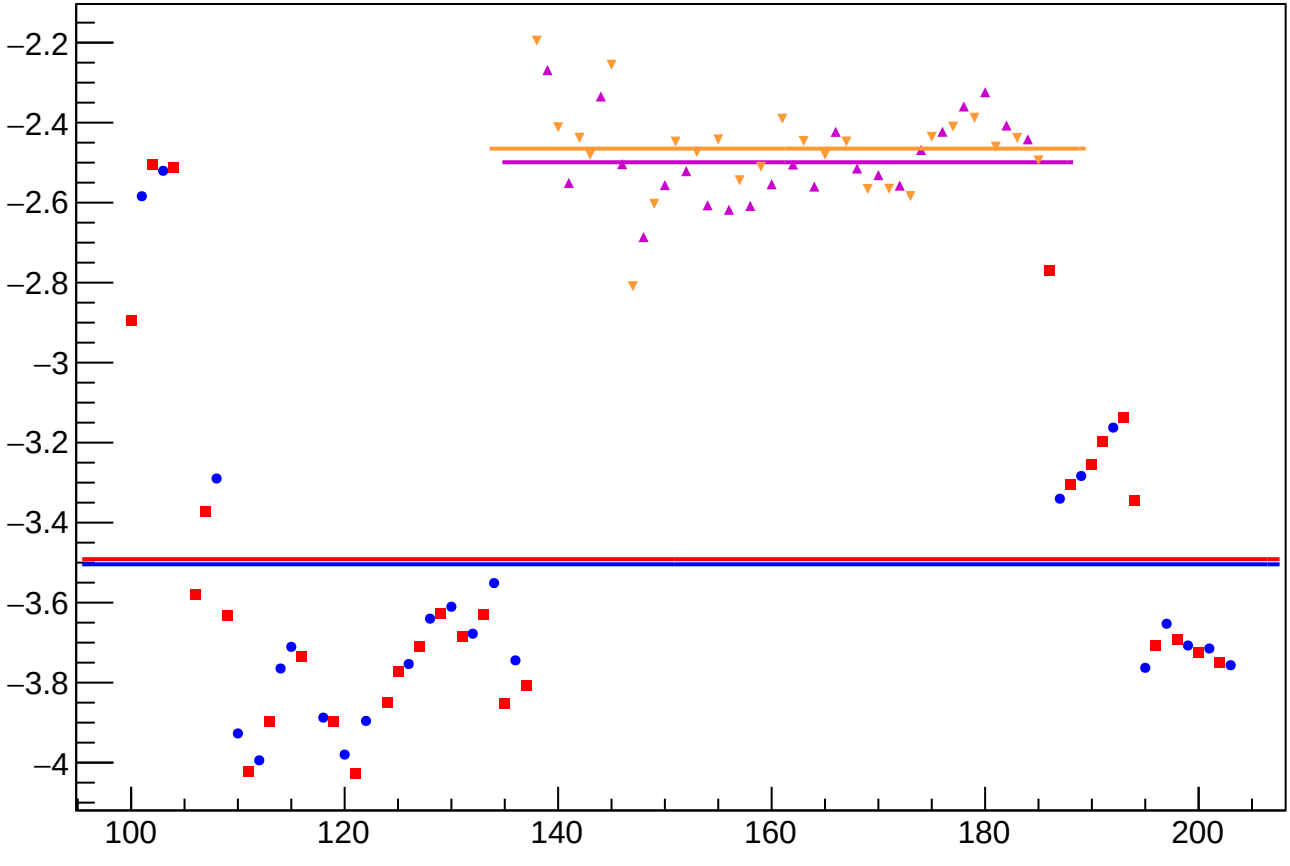
Right: 0.007+/-0.000 χ^2/NDF: 223998.8/52

In: 0.006+/-0.000 χ^2/NDF:1031534.7/46

Out: 0.006+/-0.000 χ^2/NDF:979451.8/53

All: 0.006+/-0.000 χ^2/NDF: 2011414.4/100

yield_bpm0i02Y_mean vs Slug, Sign Corrected



Right In: -3.504+/-0.000 χ^2/NDF: 32184205094.7/23

Left Out: -2.465+/-0.000 χ^2/NDF:2167098053.0/24

Right Out: -3.491+/-0.000 χ^2/NDF: 34004939150.6/28

Left In: -2.499+/-0.000 χ^2/NDF:2273256162.3/22

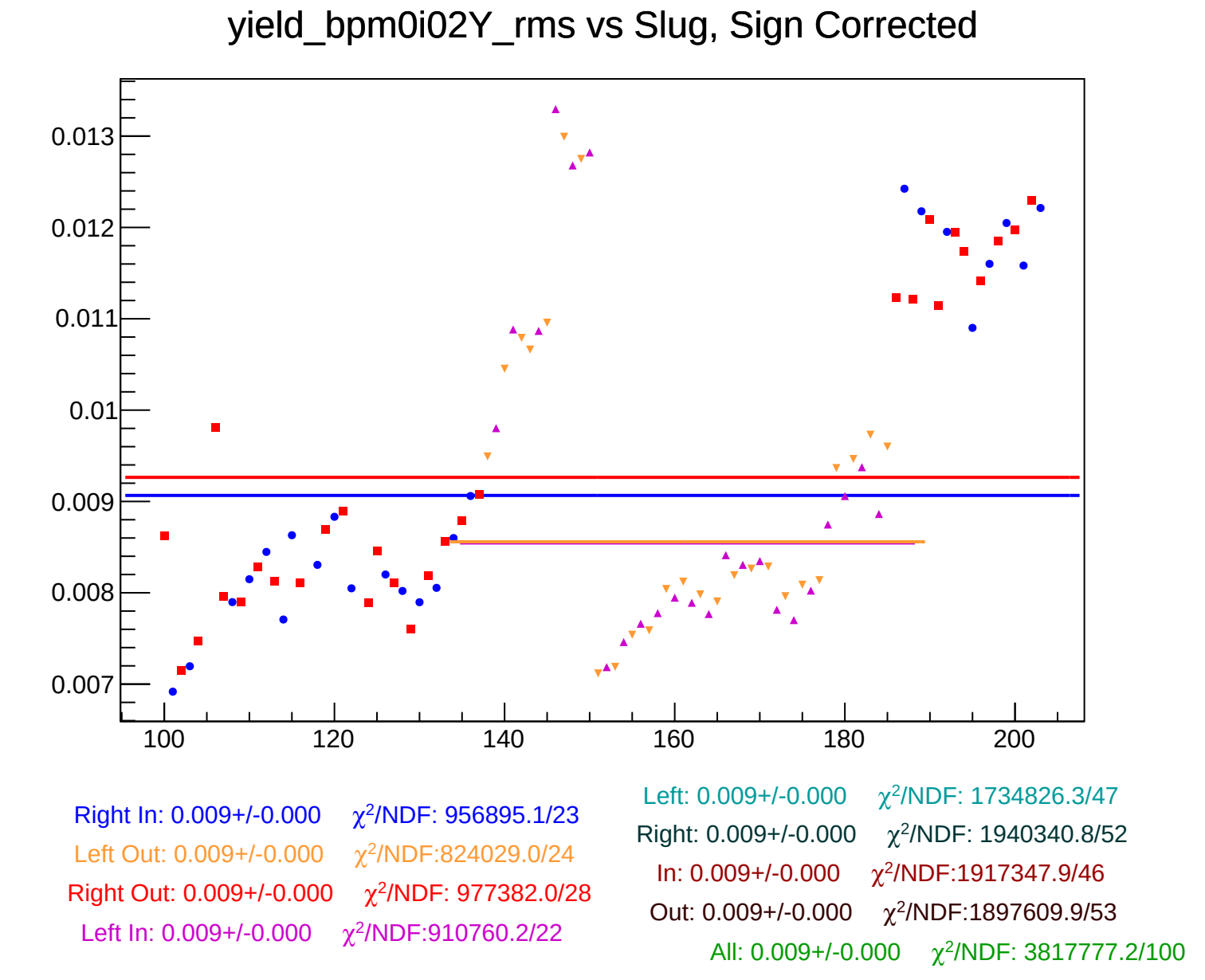
Left: -2.482+/-0.000 χ^2/NDF: 4579764851.4/47

Right: -3.498+/-0.000 χ^2/NDF: 66201971364.8/52

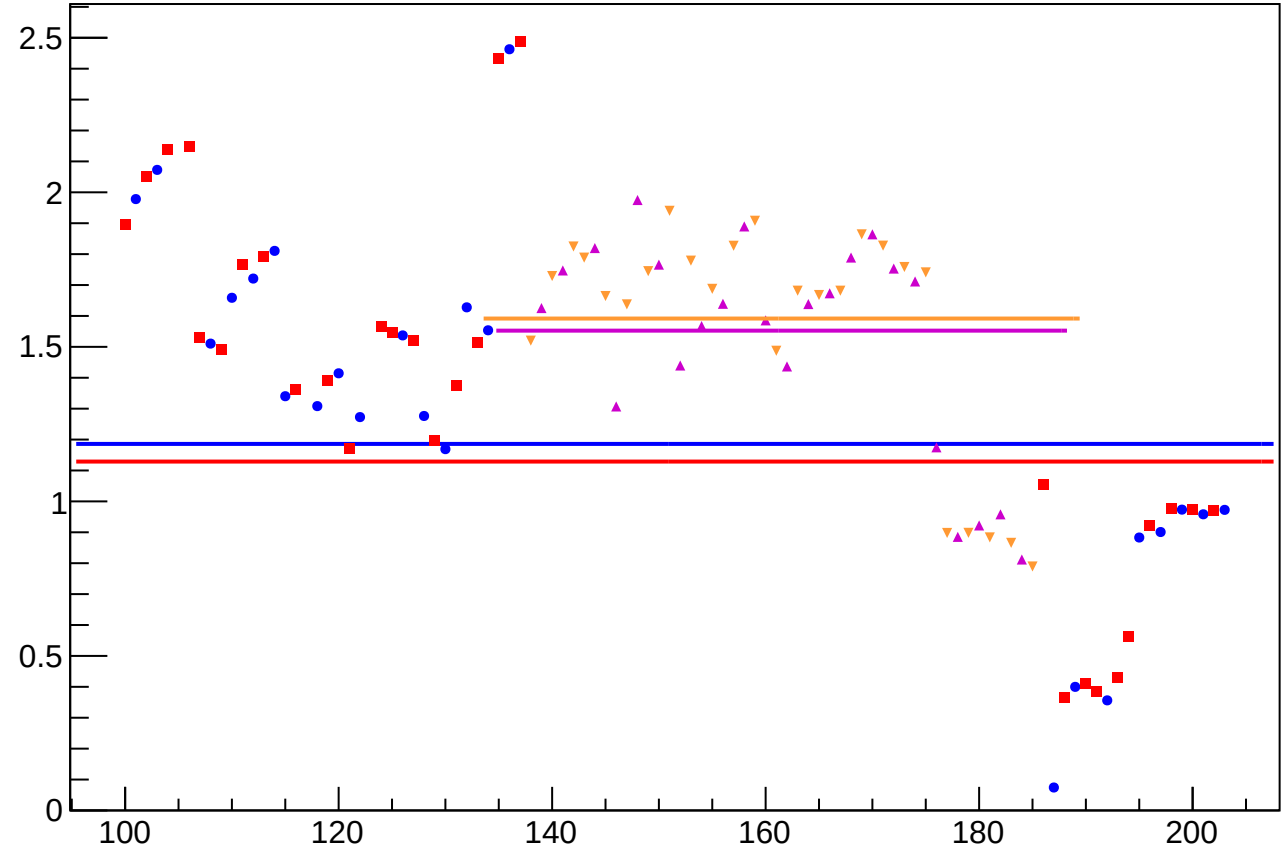
In: -2.894+/-0.000 χ^2/NDF:127272537983.3/46

Out: -2.867+/-0.000 χ^2/NDF:137982843182.9/53

All: -2.880+/-0.000 χ^2/NDF: 265397636672.


yield_bpm0i02Y_rms vs Slug, Sign Corrected
0.013
0.012
0.011
0.01
0.009
0.008
0.007
100
120
140
160
180
200
Right In: 0.009+/-0.000 χ²/NDF: 956895.1/23
Left Out: 0.009+/-0.000 χ²/NDF:824029.0/24
Right Out: 0.009+/-0.000 χ²/NDF: 977382.0/28
Left In: 0.009+/-0.000 χ²/NDF:910760.2/22
Left: 0.009+/-0.000 χ²/NDF: 1734826.3/47
Right: 0.009+/-0.000 χ²/NDF: 1940340.8/52
In: 0.009+/-0.000 χ²/NDF:1917347.9/46
Out: 0.009+/-0.000 χ²/NDF:1897609.9/53
All: 0.009+/-0.000 χ²/NDF: 3817777.2/100

yield_bpm0i02aX_mean vs Slug, Sign Corrected



Right In: 1.186+/-0.000 χ^2/NDF: 28961840671.1/23

Left Out: 1.592+/-0.000 χ^2/NDF:17078853061.6/24

Right Out: 1.129+/-0.000 χ^2/NDF: 34229915448.4/28

Left In: 1.552+/-0.000 χ^2/NDF:14055987405.9/22

Left: 1.573+/-0.000 χ^2/NDF: 31243382500.9/47

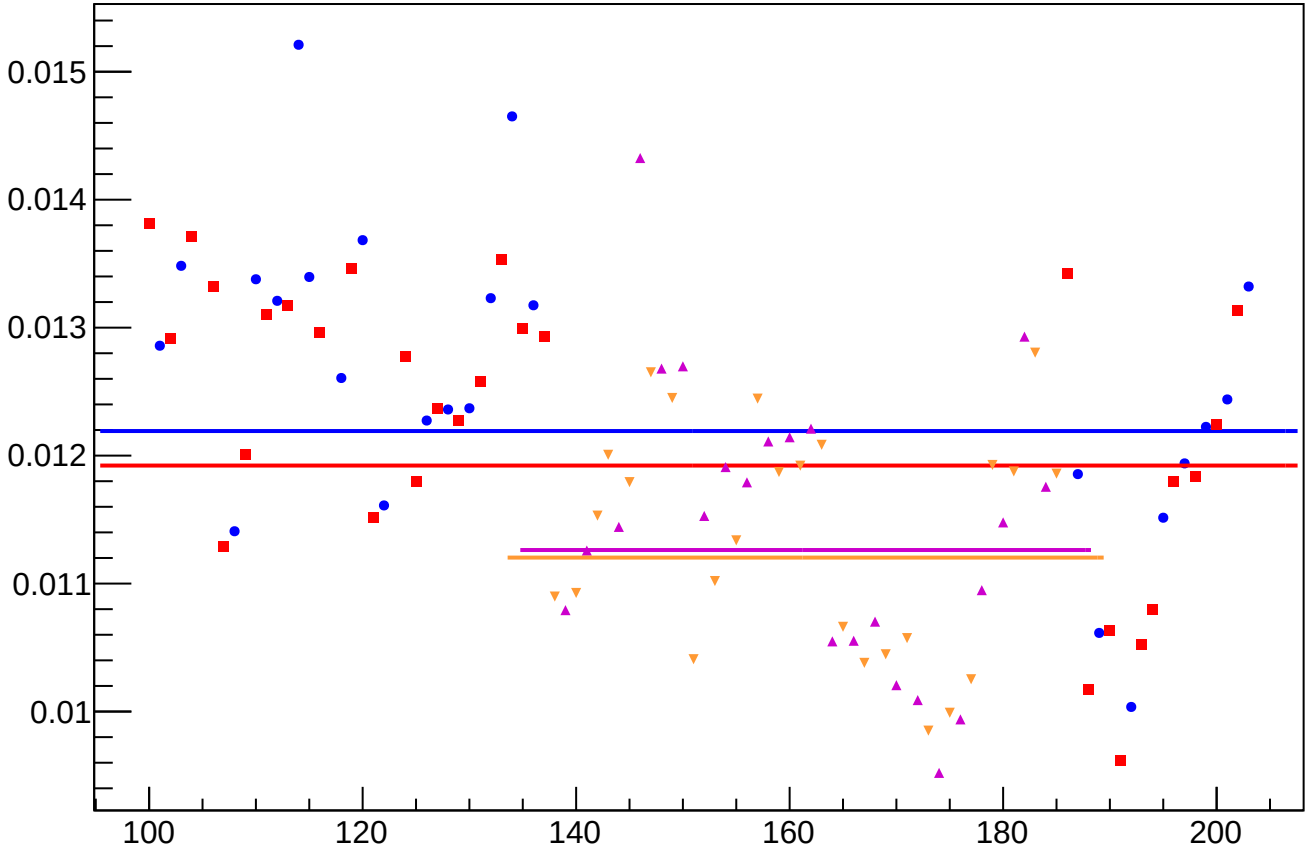
Right: 1.155+/-0.000 χ^2/NDF: 63342159251.0/52

In: 1.411+/-0.000 χ^2/NDF:50124401415.7/46

Out: 1.405+/-0.000 χ^2/NDF:63983482976.4/53

All: 1.408+/-0.000 χ^2/NDF: 114111008182.9

yield_bpm0i02aX_rms vs Slug, Sign Corrected



Right In: 0.012+/-0.000 χ^2/NDF: 219206.8/23

Left Out: 0.011+/-0.000 χ^2/NDF:223594.3/24

Right Out: 0.012+/-0.000 χ^2/NDF: 262536.3/28

Left In: 0.011+/-0.000 χ^2/NDF:311660.7/22

Left: 0.011+/-0.000 χ^2/NDF: 535750.7/47

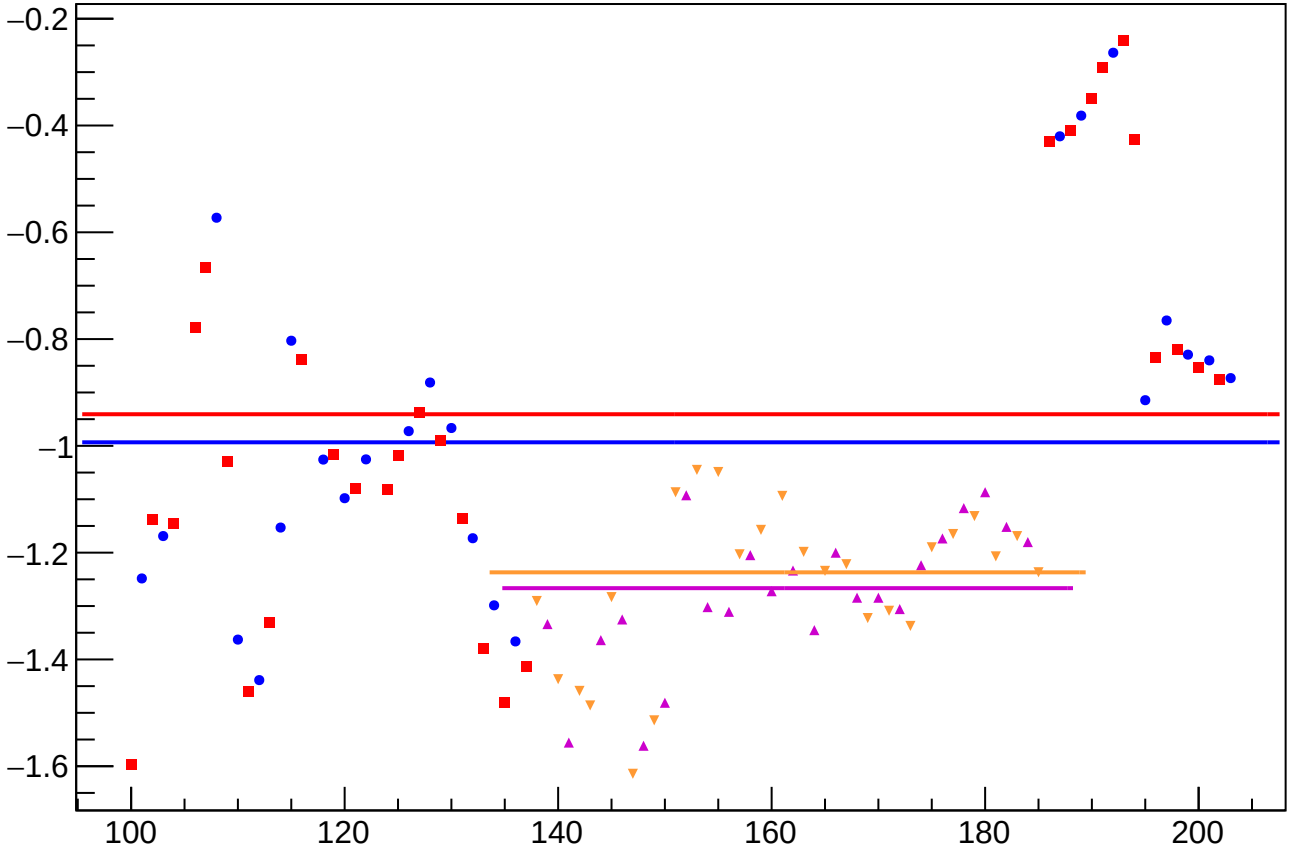
Right: 0.012+/-0.000 χ^2/NDF: 488455.4/52

In: 0.012+/-0.000 χ^2/NDF:622340.7/46

Out: 0.011+/-0.000 χ^2/NDF:547364.0/53

All: 0.012+/-0.000 χ^2/NDF: 1173643.7/100

yield_bpm0i02aY_mean vs Slug, Sign Corrected



Right In: -0.993+/-0.000 χ^2/NDF: 11706291042.5/23

Left Out: -1.237+/-0.000 χ^2/NDF:4972272024.7/24

Right Out: -0.941+/-0.000 χ^2/NDF: 16579309416.3/28

Left In: -1.267+/-0.000 χ^2/NDF:3674801511.3/22

Left: -1.251+/-0.000 χ^2/NDF: 8764581472.4/47

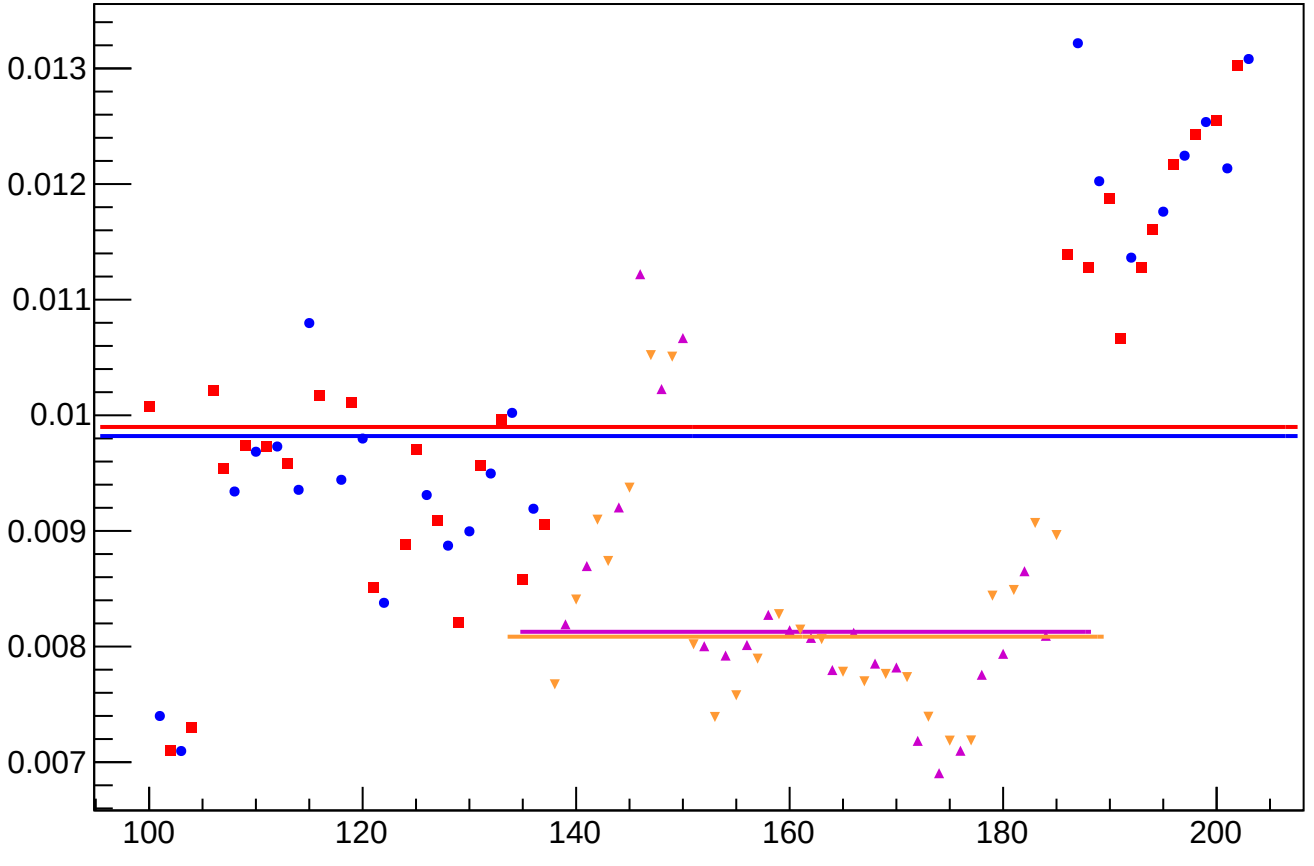
Right: -0.966+/-0.000 χ^2/NDF: 28469476406.3/52

In: -1.176+/-0.000 χ^2/NDF:21782194860.2/46

Out: -1.138+/-0.000 χ^2/NDF:29633930892.3/53

All: -1.156+/-0.000 χ^2/NDF: 51704985498.1/

yield_bpm0i02aY_rms vs Slug, Sign Corrected



Right In: 0.010+/-0.000 χ^2/NDF: 814023.6/23

Left Out: 0.008+/-0.000 χ^2/NDF:326825.0/24

Right Out: 0.010+/-0.000 χ^2/NDF: 840833.9/28

Left In: 0.008+/-0.000 χ^2/NDF:409030.0/22

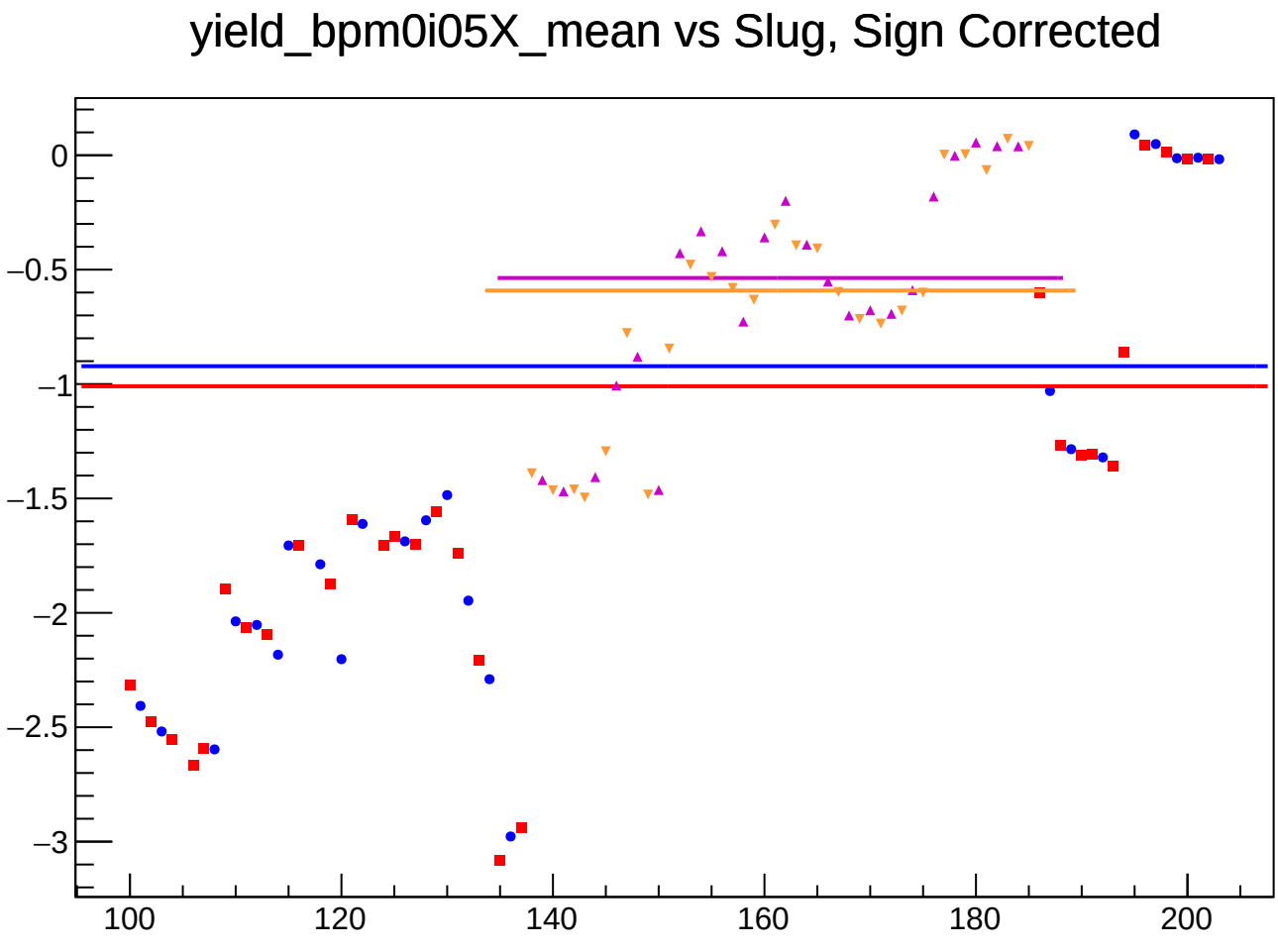
Left: 0.008+/-0.000 χ^2/NDF: 736335.1/47

Right: 0.010+/-0.000 χ^2/NDF: 1655679.0/52

In: 0.009+/-0.000 χ^2/NDF:1714720.8/46

Out: 0.009+/-0.000 χ^2/NDF:1774193.8/53

All: 0.009+/-0.000 χ^2/NDF: 3488916.6/100



Right In: -0.922+/-0.000 χ^2/NDF: 317536319457.8/23

Left Out: -0.591+/-0.000 χ^2/NDF:72678844667.5/24

Right Out: -1.010+/-0.000 χ^2/NDF: 319203426998.3/28

Left In: -0.536+/-0.000 χ^2/NDF:70168781562.6/22

Left: -0.564+/-0.000 χ^2/NDF: 143410113051.4/47

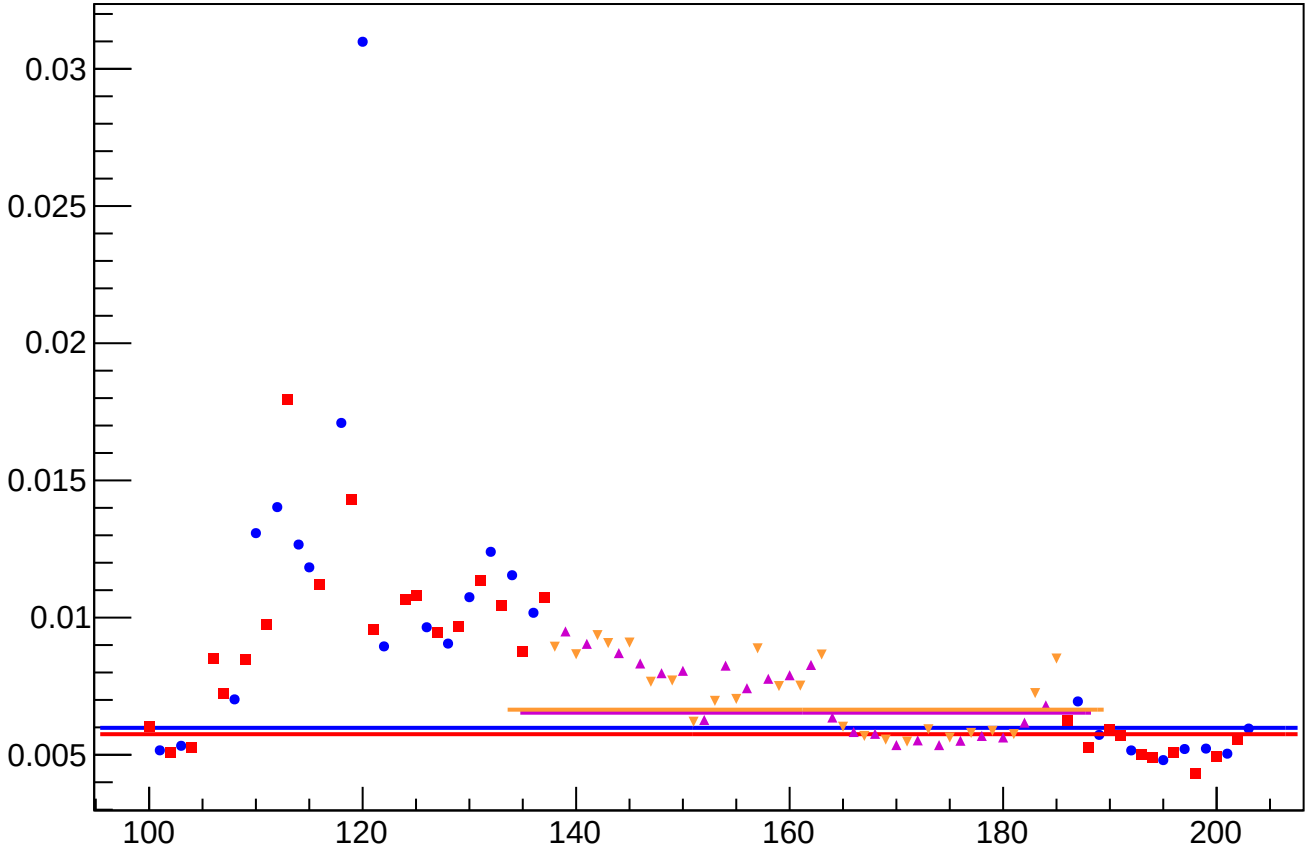
Right: -0.970+/-0.000 χ^2/NDF: 637954857685.5/52

In: -0.705+/-0.000 χ^2/NDF:411754051146.4/46

Out: -0.793+/-0.000 χ^2/NDF:423861159259.8/53

All: -0.751+/-0.000 χ^2/NDF: 838313284415.0

yield_bpm0i05X_rms vs Slug, Sign Corrected



Right In: 0.006+/-0.000 χ^2/NDF: 2459353.9/23

Left Out: 0.007+/-0.000 χ^2/NDF:1091920.0/24

Right Out: 0.006+/-0.000 χ^2/NDF: 2346568.5/28

Left In: 0.007+/-0.000 χ^2/NDF:1151126.7/22

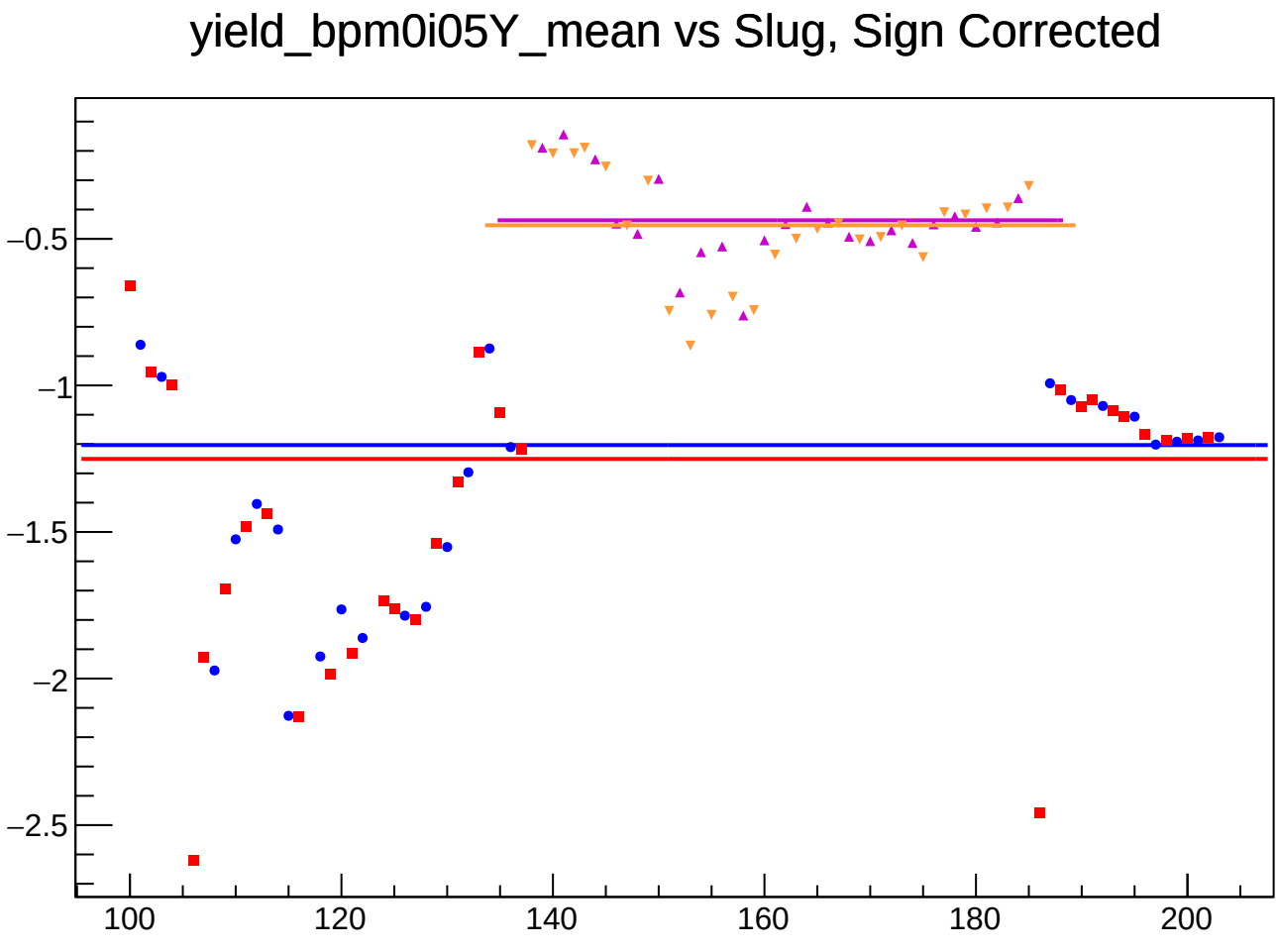
Left: 0.007+/-0.000 χ^2/NDF: 2247615.4/47

Right: 0.006+/-0.000 χ^2/NDF: 4822867.3/52

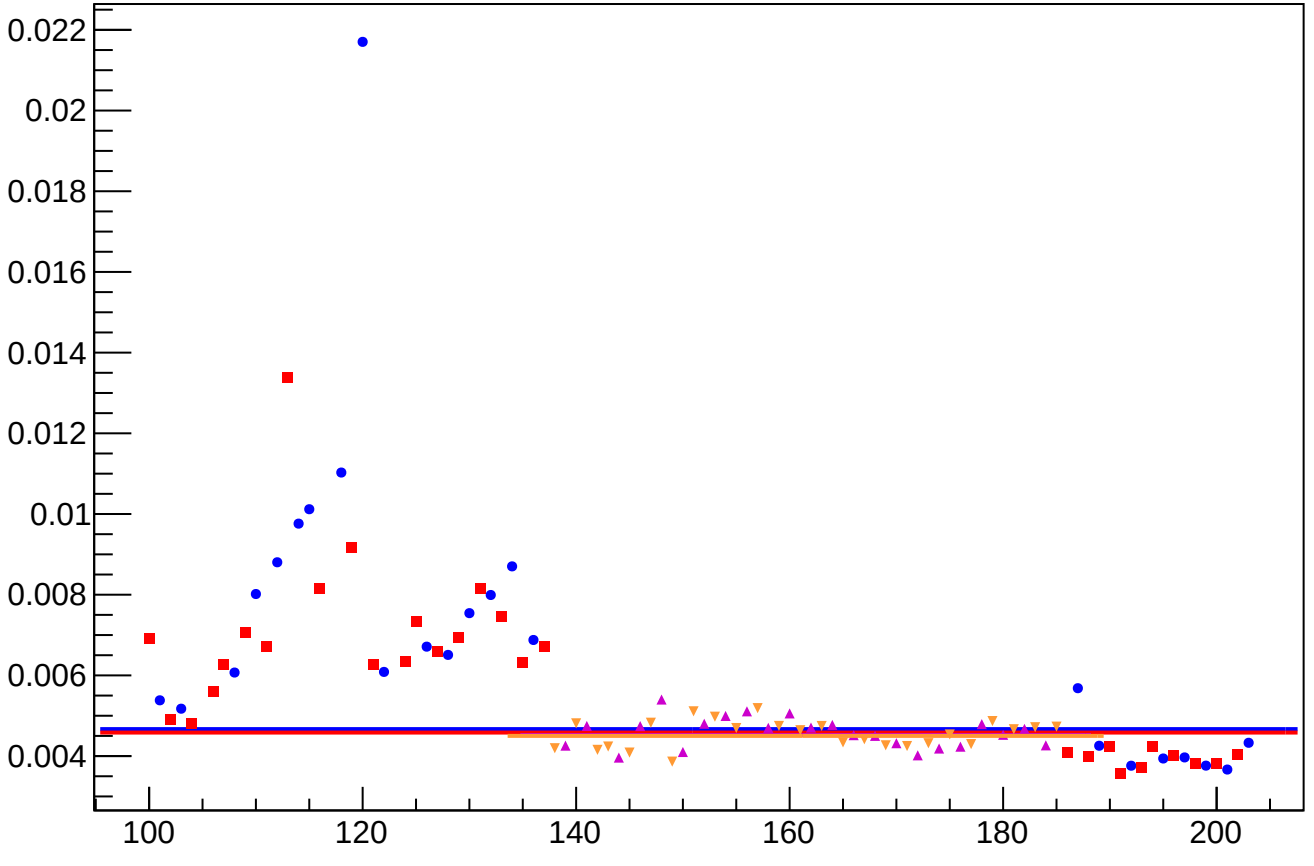
In: 0.006+/-0.000 χ^2/NDF:3709075.4/46

Out: 0.006+/-0.000 χ^2/NDF:3730317.9/53

All: 0.006+/-0.000 χ^2/NDF: 7443777.5/100


yield_bpm0i05Y_mean vs Slug, Sign Corrected
−0.5
−1
−1.5
−2
−2.5
100
120
140
160
180
200
Right In: -1.204+/-0.000 χ²/NDF: 27102409735.0/23
Left Out: -0.454+/-0.000 χ²/NDF:29096412438.0/24
Right Out: -1.251+/-0.000 χ²/NDF: 71977861554.8/28
Left In: -0.437+/-0.000 χ²/NDF:16544160360.6/22
Left: -0.446+/-0.000 χ²/NDF: 45759847773.7/47
Right: -1.229+/-0.000 χ²/NDF: 99658447017.3/52
In: -0.721+/-0.000 χ²/NDF:221454610300.8/46
Out: -0.768+/-0.000 χ²/NDF:319263779001.2/53
All: -0.746+/-0.000 χ²/NDF: 542219439500.1

yield_bpm0i05Y_rms vs Slug, Sign Corrected



Right In: 0.005+/-0.000 χ^2/NDF: 2143345.8/23

Left Out: 0.005+/-0.000 χ^2/NDF:189230.5/24

Right Out: 0.005+/-0.000 χ^2/NDF: 1844119.4/28

Left In: 0.005+/-0.000 χ^2/NDF:212056.7/22

Left: 0.005+/-0.000 χ^2/NDF: 401608.0/47

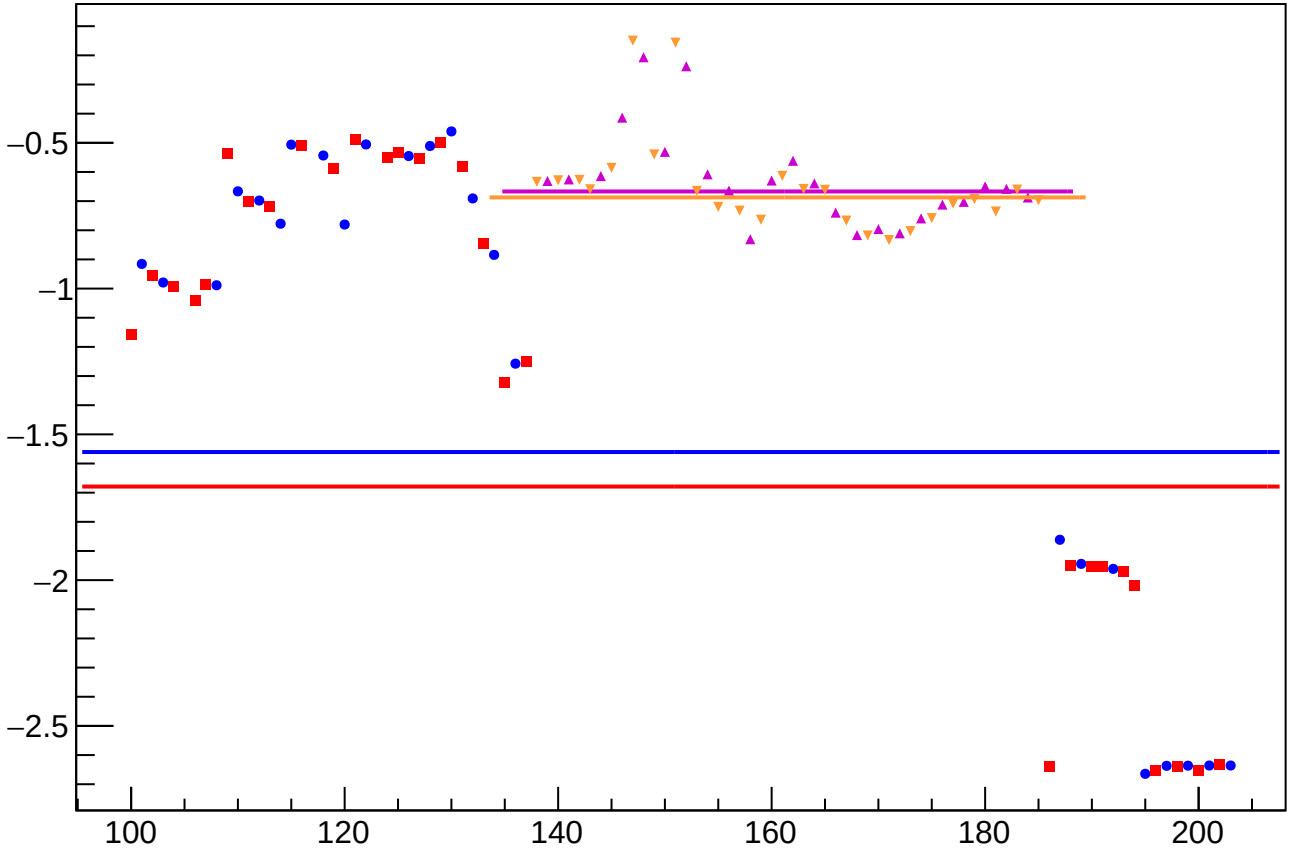
Right: 0.005+/-0.000 χ^2/NDF: 3991310.6/52

In: 0.005+/-0.000 χ^2/NDF:2368721.0/46

Out: 0.005+/-0.000 χ^2/NDF:2037964.0/53

All: 0.005+/-0.000 χ^2/NDF: 4409115.8/100

yield_bpm0i07X_mean vs Slug, Sign Corrected



Right In: -1.561+/-0.000 χ^2/NDF: 214127183228.7/23

Left Out: -0.687+/-0.000 χ^2/NDF:22462821855.7/24

Right Out: -1.679+/-0.000 χ^2/NDF: 273379849986.0/28

Left In: -0.667+/-0.000 χ^2/NDF:22531477329.1/22

Left: -0.677+/-0.000 χ^2/NDF: 45194028028.5/47

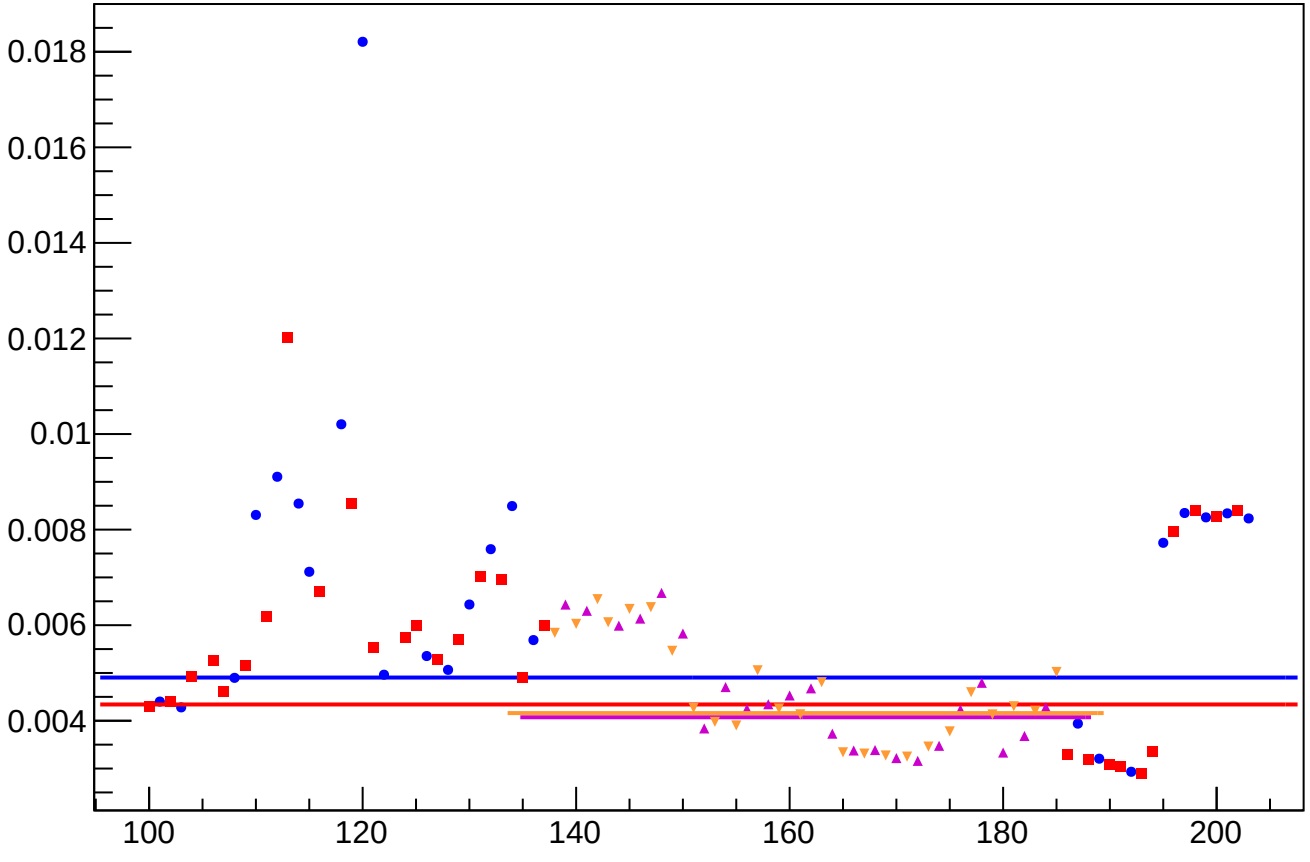
Right: -1.630+/-0.000 χ^2/NDF: 490981131283.8/52

In: -0.941+/-0.000 χ^2/NDF:469528445555.3/46

Out: -1.068+/-0.000 χ^2/NDF:660623959640.5/53

All: -1.009+/-0.000 χ^2/NDF: 1142112109401

yield_bpm0i07X_rms vs Slug, Sign Corrected



Right In: 0.005+/-0.000 χ^2/NDF: 3615109.3/23

Left Out: 0.004+/-0.000 χ^2/NDF:1520055.0/24

Right Out: 0.004+/-0.000 χ^2/NDF: 3591021.8/28

Left In: 0.004+/-0.000 χ^2/NDF:1750303.9/22

Left: 0.004+/-0.000 χ^2/NDF: 3277736.9/47

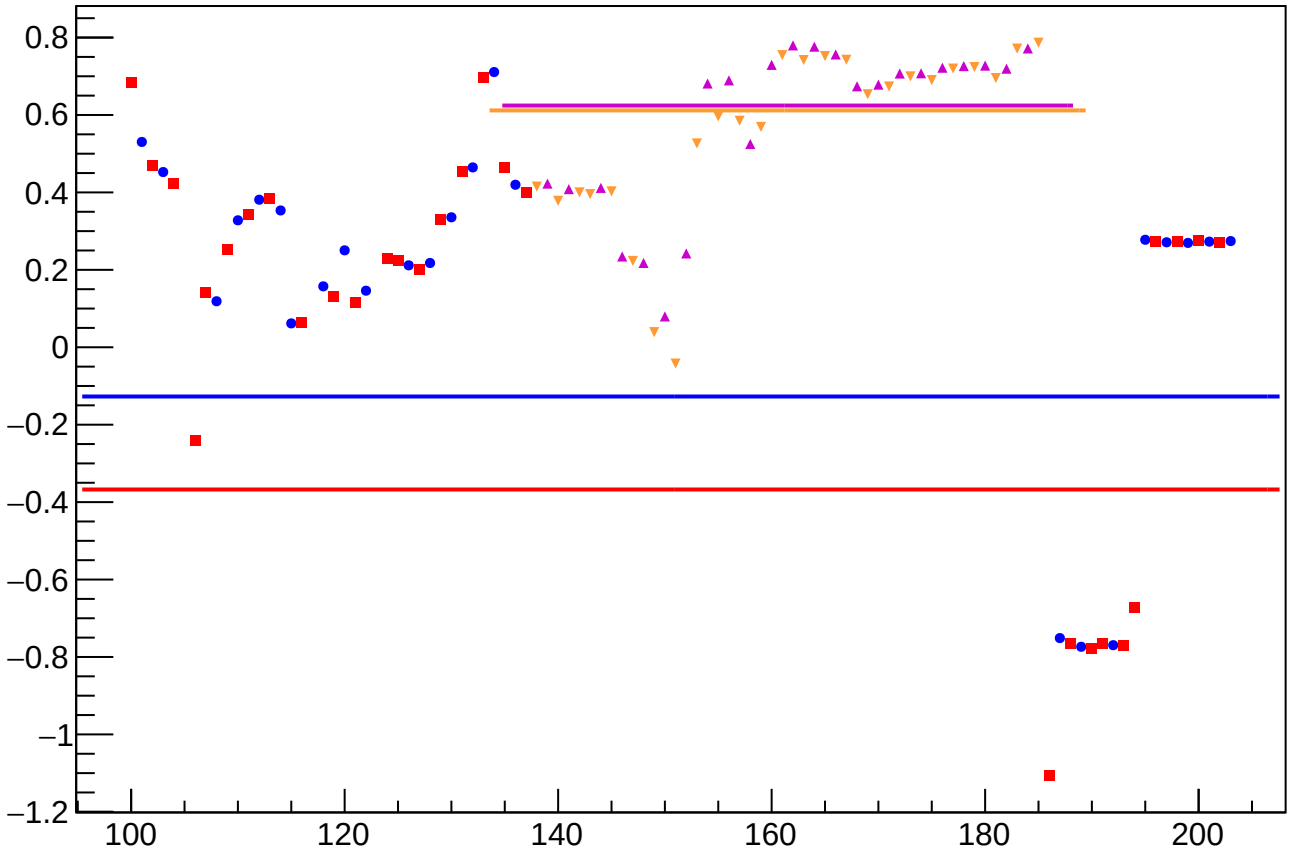
Right: 0.005+/-0.000 χ^2/NDF: 7363318.7/52

In: 0.004+/-0.000 χ^2/NDF:5768649.1/46

Out: 0.004+/-0.000 χ^2/NDF:5135211.3/53

All: 0.004+/-0.000 χ^2/NDF: 10917804.7/100

yield_bpm0i07Y_mean vs Slug, Sign Corrected



Right In: -0.127+/-0.000 χ^2/NDF: 297641775074.0/23

Left Out: 0.612+/-0.000 χ^2/NDF:45742599949.2/24

Right Out: -0.367+/-0.000 χ^2/NDF: 455323803859.6/28

Left In: 0.624+/-0.000 χ^2/NDF:40353141115.4/22

Left: 0.618+/-0.000 χ^2/NDF: 86197864169.1/47

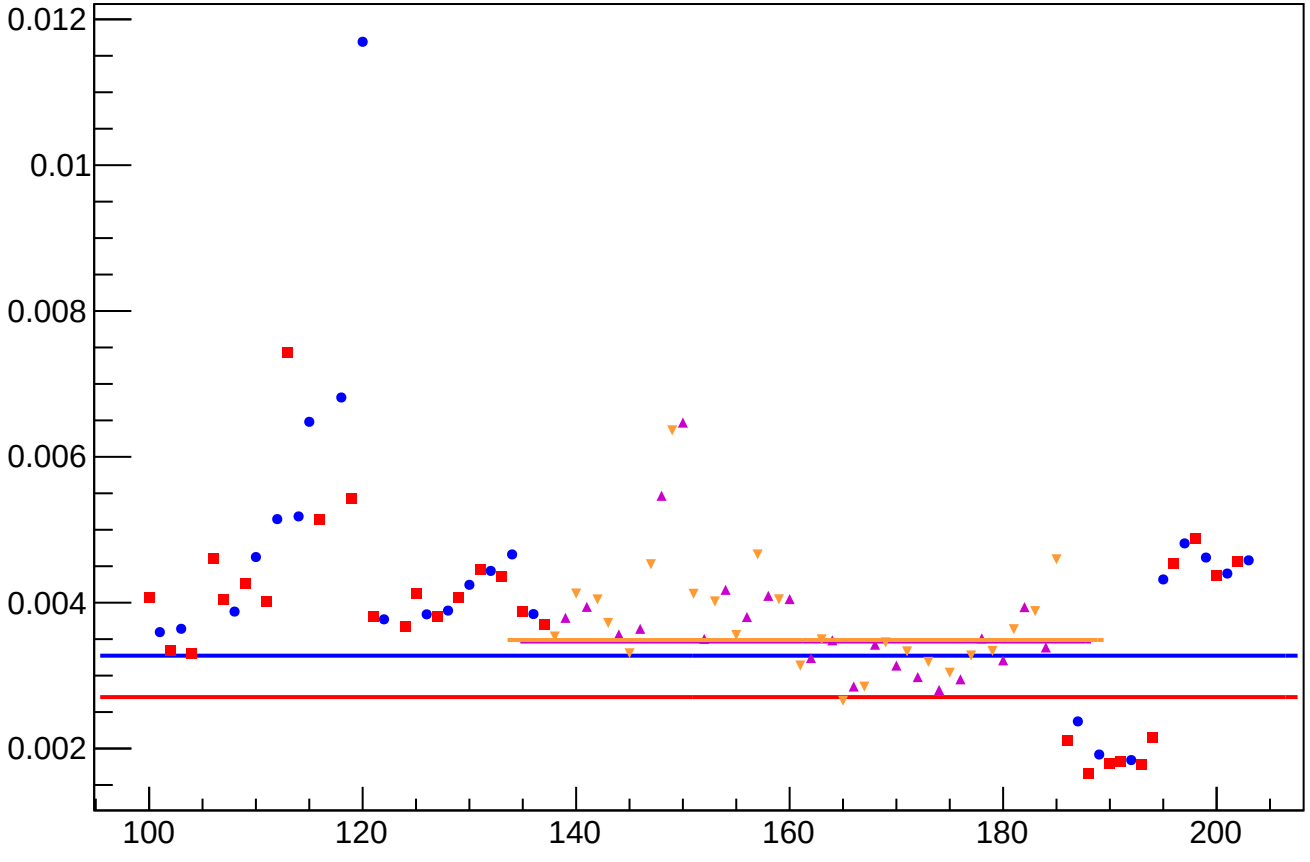
Right: -0.273+/-0.000 χ^2/NDF: 787332571527.1/52

In: 0.296+/-0.000 χ^2/NDF:650165973222.2/46

Out: 0.088+/-0.000 χ^2/NDF:1177430024316.3/53

All: 0.180+/-0.000 χ^2/NDF: 1882080431946.

yield_bpm0i07Y_rms vs Slug, Sign Corrected



Right In: 0.003+/-0.000 χ^2/NDF: 3208847.4/23

Left Out: 0.003+/-0.000 χ^2/NDF:850746.8/24

Right Out: 0.003+/-0.000 χ^2/NDF: 4247577.1/28

Left In: 0.003+/-0.000 χ^2/NDF:894124.0/22

Left: 0.003+/-0.000 χ^2/NDF: 1745449.7/47

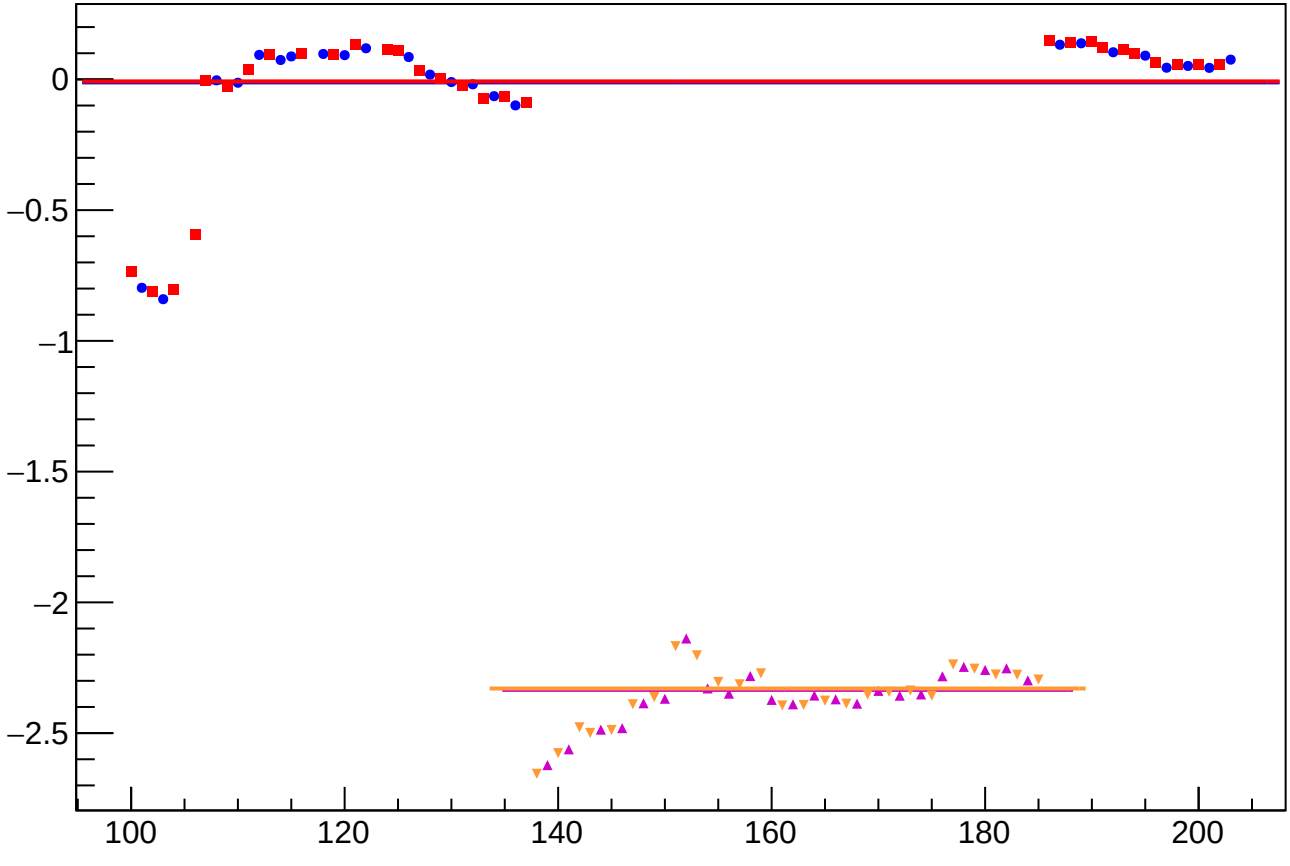
Right: 0.003+/-0.000 χ^2/NDF: 7840530.5/52

In: 0.003+/-0.000 χ^2/NDF:4144486.7/46

Out: 0.003+/-0.000 χ^2/NDF:5962955.0/53

All: 0.003+/-0.000 χ^2/NDF: 10353152.9/100

yield_bpm1i02X_mean vs Slug, Sign Corrected



Right In: -0.012+/-0.000 χ^2/NDF: 6406033227.5/23

Left Out: -2.329+/-0.000 χ^2/NDF:1982733526.8/24

Right Out: -0.008+/-0.000 χ^2/NDF: 7697899643.2/28

Left In: -2.335+/-0.000 χ^2/NDF:1676703216.8/22

Left: -2.332+/-0.000 χ^2/NDF: 3662448442.3/47

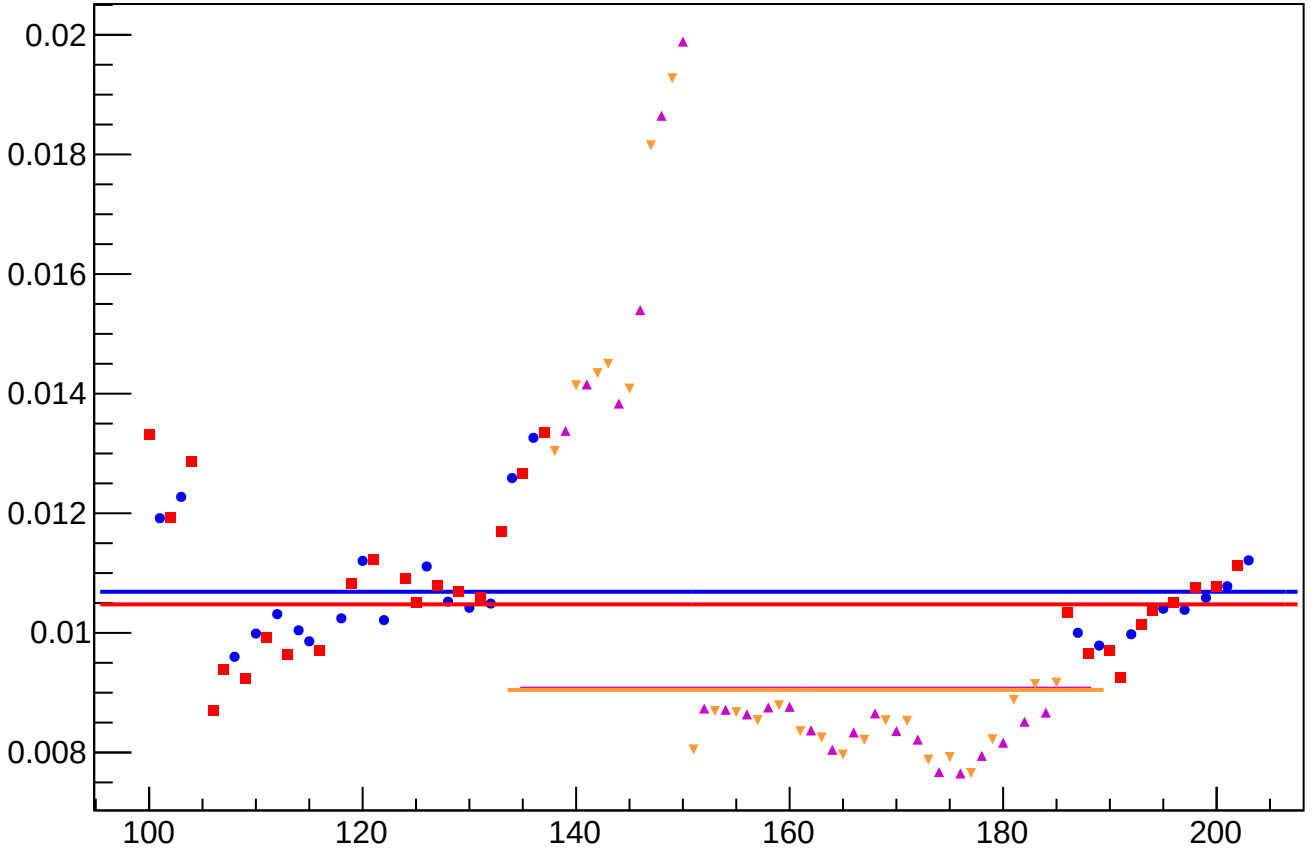
Right: -0.010+/-0.000 χ^2/NDF: 14104819735.6/52

In: -1.512+/-0.000 χ^2/NDF:406622844035.0/46

Out: -1.467+/-0.000 χ^2/NDF:454450371083.2/53

All: -1.489+/-0.000 χ^2/NDF: 861419960755.5

yield_bpm1i02X_rms vs Slug, Sign Corrected



Right In: 0.011+/-0.000 χ^2/NDF: 170685.4/23

Left Out: 0.009+/-0.000 χ^2/NDF:2048729.6/24

Right Out: 0.010+/-0.000 χ^2/NDF: 230950.1/28

Left In: 0.009+/-0.000 χ^2/NDF:2134207.9/22

Left: 0.009+/-0.000 χ^2/NDF: 4183033.5/47

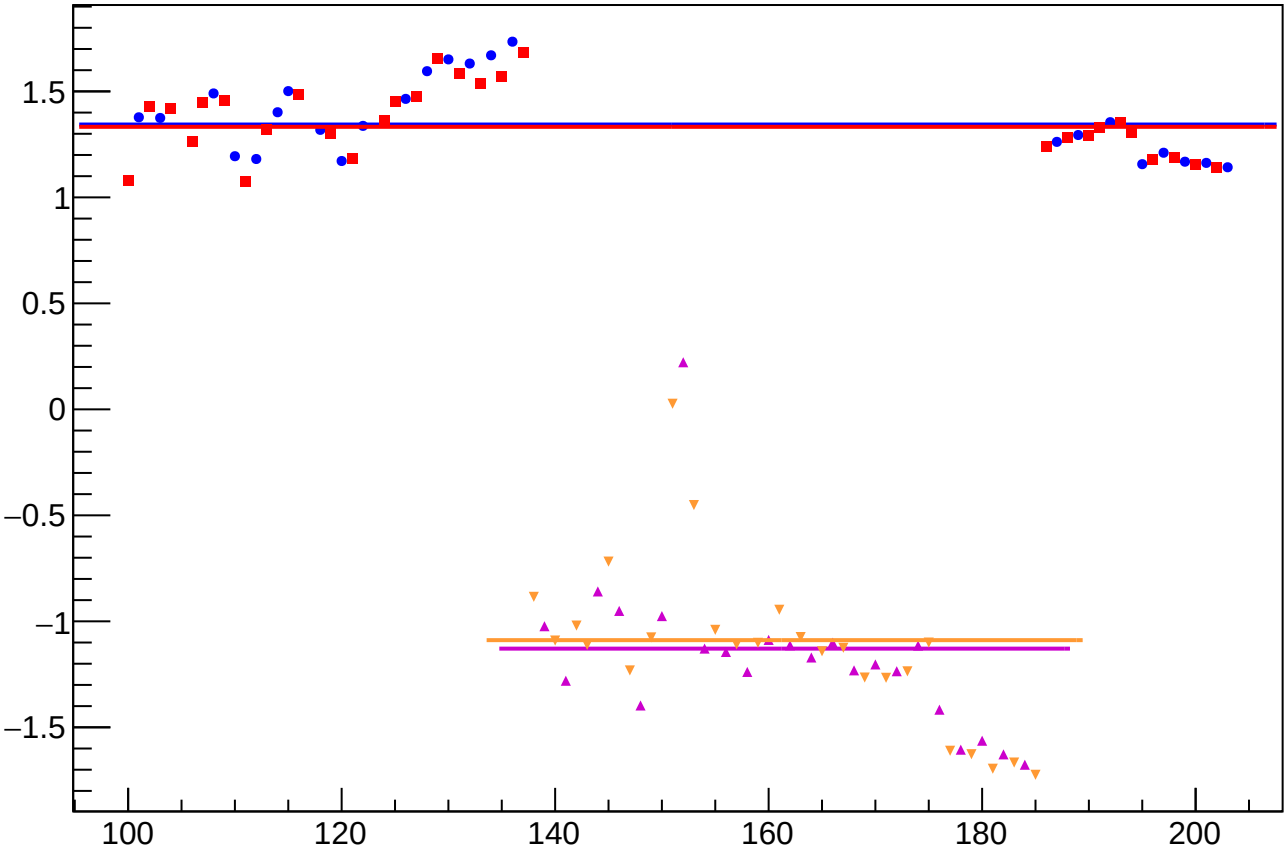
Right: 0.011+/-0.000 χ^2/NDF: 407070.3/52

In: 0.010+/-0.000 χ^2/NDF:2692332.5/46

Out: 0.010+/-0.000 χ^2/NDF:2617110.7/53

All: 0.010+/-0.000 χ^2/NDF: 5310796.1/100

yield_bpm1i02Y_mean vs Slug, Sign Corrected



Right In: 1.344+/-0.000 χ^2/NDF: 7289796790.0/23

Left Out: -1.089+/-0.000 χ^2/NDF:61255304912.3/24

Right Out: 1.333+/-0.000 χ^2/NDF: 5455510591.0/28

Left In: -1.129+/-0.000 χ^2/NDF:58876825364.1/22

Left: -1.108+/-0.000 χ^2/NDF: 120403370890.0/47

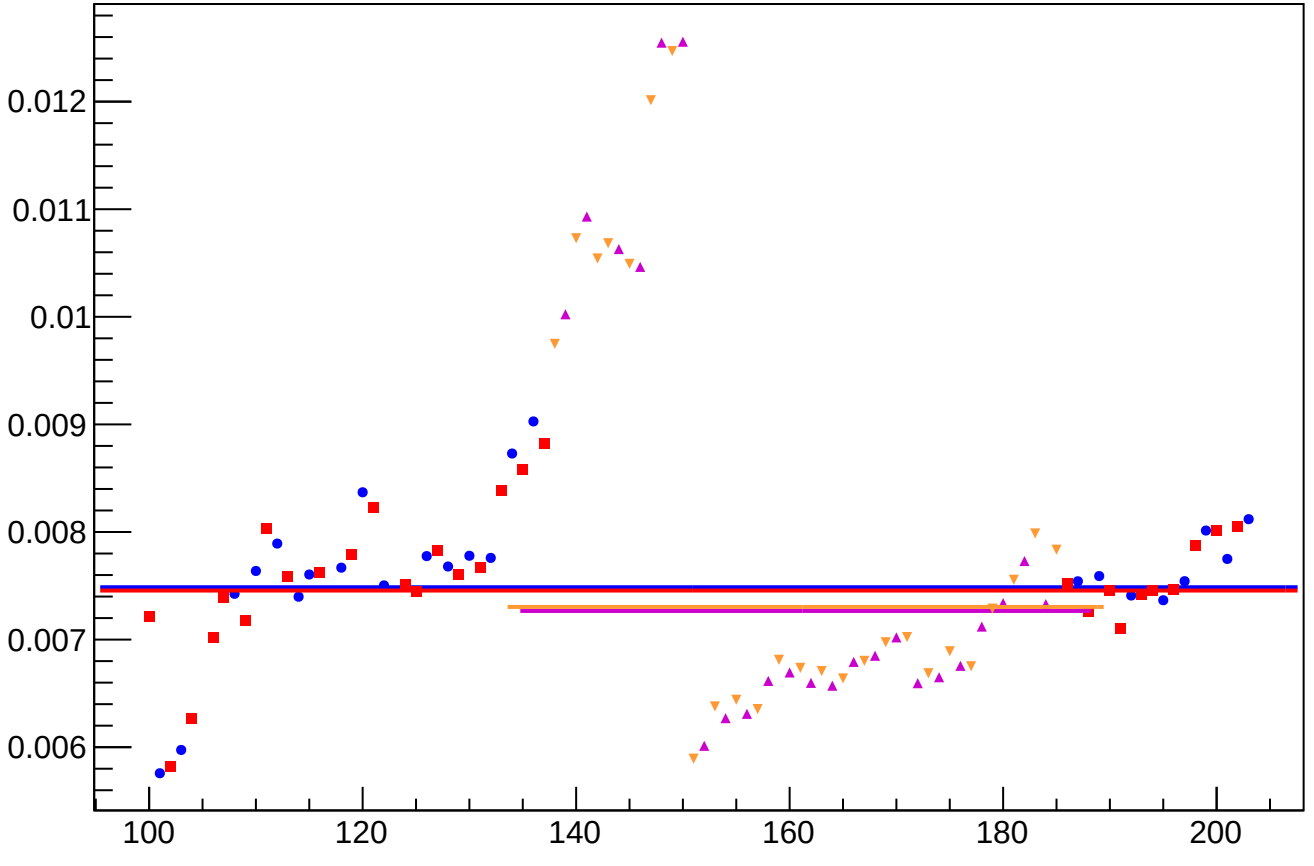
Right: 1.338+/-0.000 χ^2/NDF: 12759506063.5/52

In: -0.110+/-0.000 χ^2/NDF:899183696223.0/46

Out: -0.053+/-0.000 χ^2/NDF:935891602519.8/53

All: -0.080+/-0.000 χ^2/NDF: 1836052558387

yield_bpm1i02Y_rms vs Slug, Sign Corrected



Right In: 0.007+/-0.000 χ^2/NDF: 296965.3/23

Left Out: 0.007+/-0.000 χ^2/NDF:1504103.4/24

Right Out: 0.007+/-0.000 χ^2/NDF: 224966.1/28

Left In: 0.007+/-0.000 χ^2/NDF:1560089.8/22

Left: 0.007+/-0.000 χ^2/NDF: 3064663.5/47

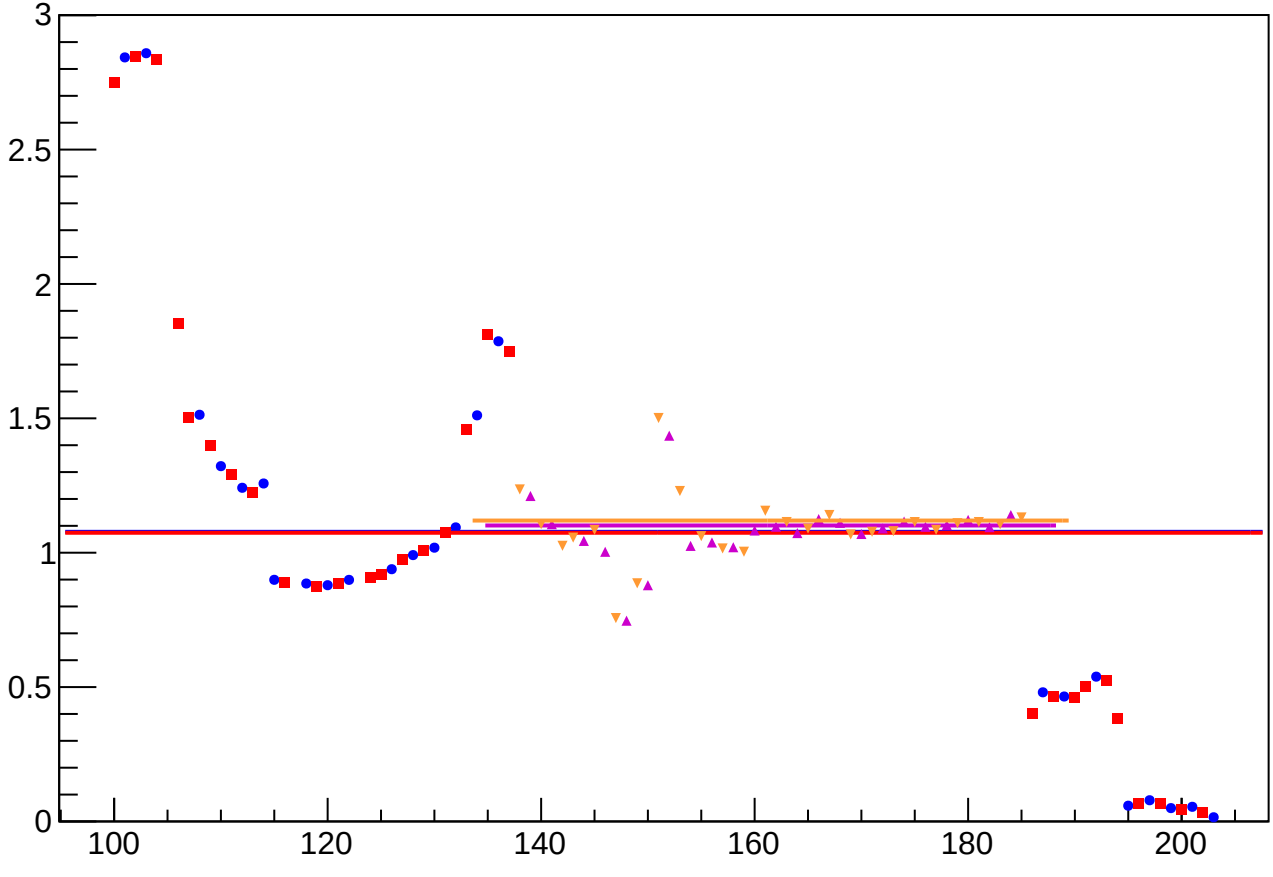
Right: 0.007+/-0.000 χ^2/NDF: 522160.0/52

In: 0.007+/-0.000 χ^2/NDF:1870268.0/46

Out: 0.007+/-0.000 χ^2/NDF:1735949.4/53

All: 0.007+/-0.000 χ^2/NDF: 3606298.3/100

yield_bpm1i04X_mean vs Slug, Sign Corrected



Right In: 1.078+/-0.000 χ^2/NDF: 117978694549.6/23

Left Out: 1.120+/-0.000 χ^2/NDF:5515079117.9/24

Right Out: 1.074+/-0.000 χ^2/NDF: 115709934653.4/28

Left In: 1.101+/-0.000 χ^2/NDF:4201972548.8/22

Left: 1.111+/-0.000 χ^2/NDF: 9774836704.8/47

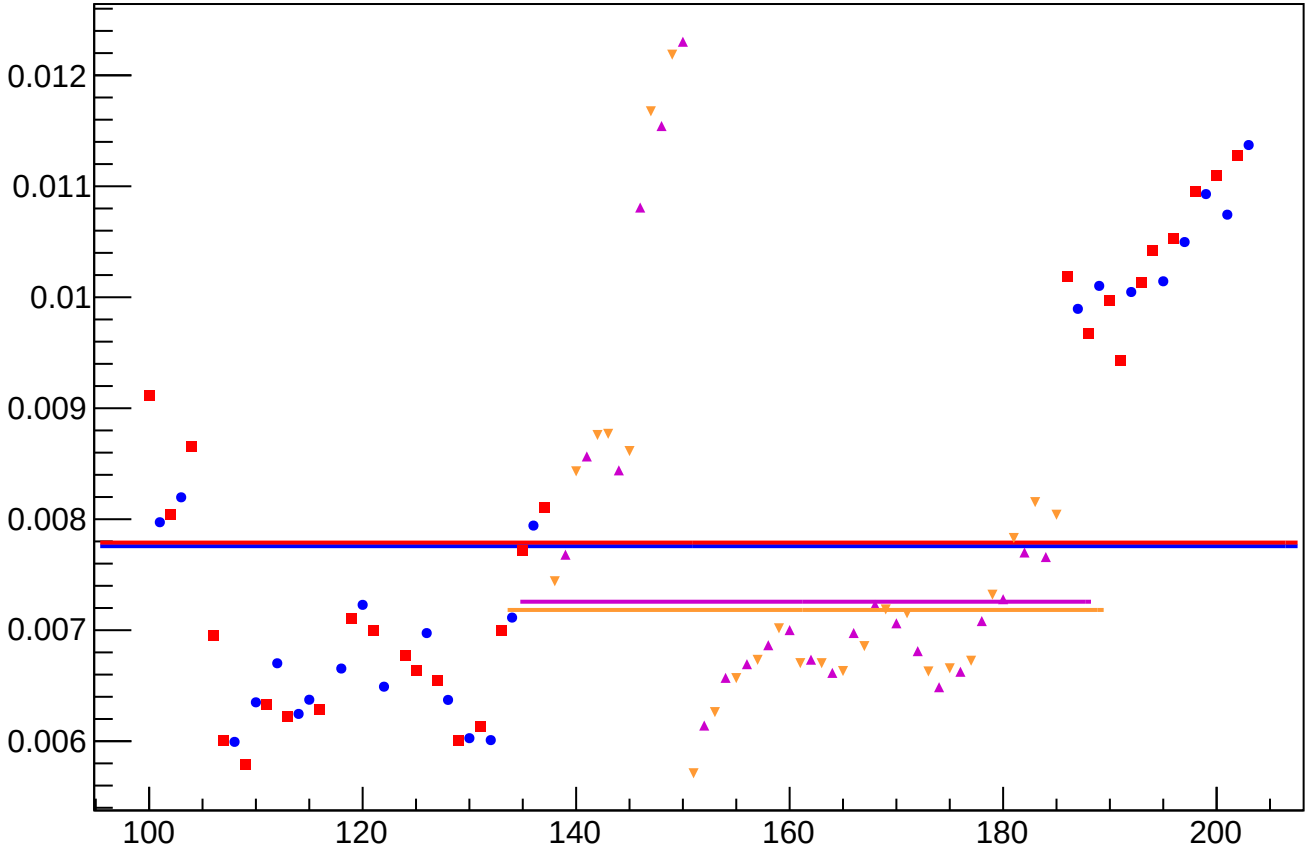
Right: 1.076+/-0.000 χ^2/NDF: 233689887087.3/52

In: 1.092+/-0.000 χ^2/NDF:122252269639.0/46

Out: 1.102+/-0.000 χ^2/NDF:121510983765.9/53

All: 1.097+/-0.000 χ^2/NDF: 243790189660.4

yield_bpm1i04X_rms vs Slug, Sign Corrected



Right In: 0.008+/-0.000 χ^2/NDF: 1286249.1/23

Left Out: 0.007+/-0.000 χ^2/NDF:893807.0/24

Right Out: 0.008+/-0.000 χ^2/NDF: 1500515.9/28

Left In: 0.007+/-0.000 χ^2/NDF:916696.6/22

Left: 0.007+/-0.000 χ^2/NDF: 1812400.5/47

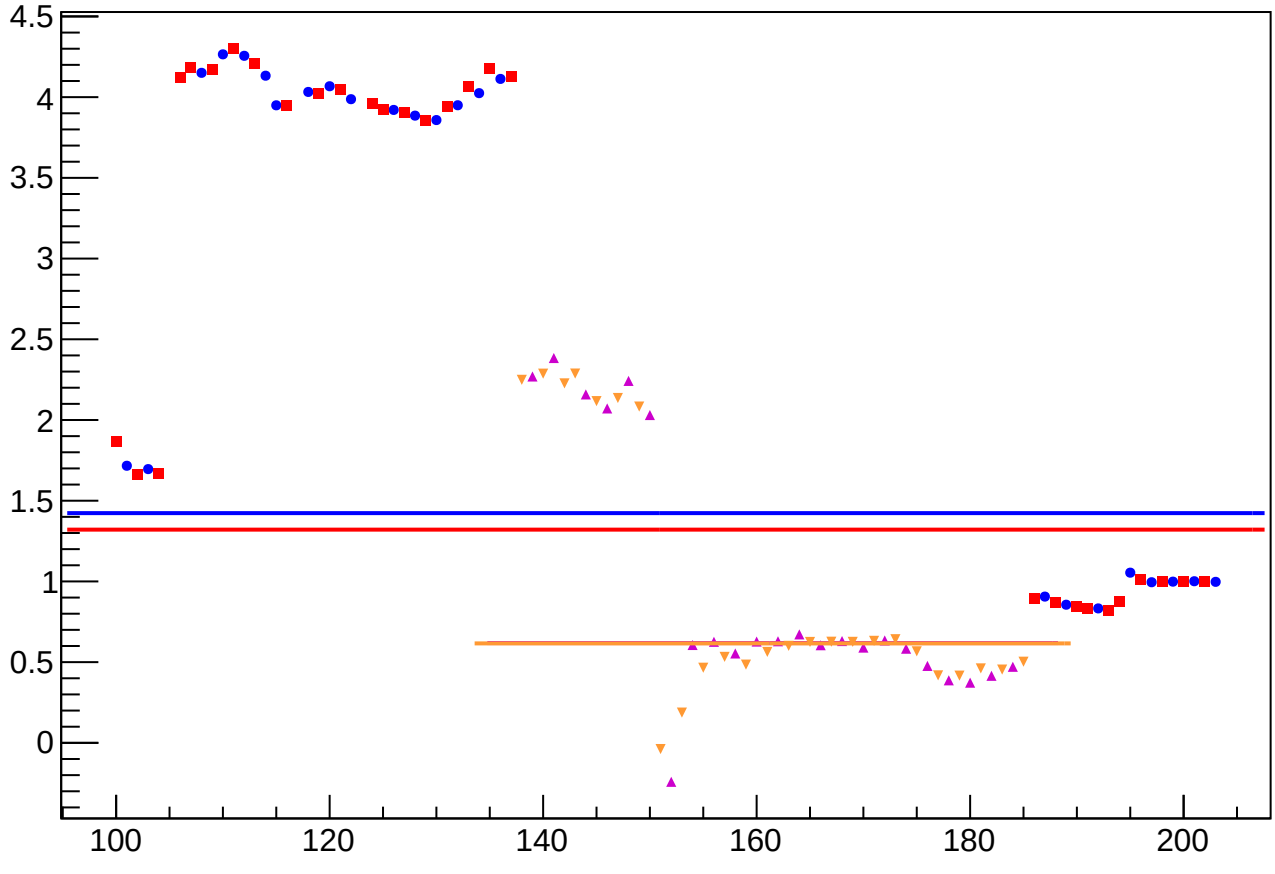
Right: 0.008+/-0.000 χ^2/NDF: 2786992.8/52

In: 0.007+/-0.000 χ^2/NDF:2267009.5/46

Out: 0.007+/-0.000 χ^2/NDF:2496673.9/53

All: 0.007+/-0.000 χ^2/NDF: 4764222.4/100

yield_bpm1i04Y_mean vs Slug, Sign Corrected



Right In: 1.423+/-0.000 χ^2/NDF: 1524457424706.5/23

Left Out: 0.616+/-0.000 χ^2/NDF:251940630795.3/24

Right Out: 1.321+/-0.000 χ^2/NDF: 1727296594901.2/28

Left In: 0.618+/-0.000 χ^2/NDF:254248143278.9/22

Left: 0.617+/-0.000 χ^2/NDF: 506191281472.3/47

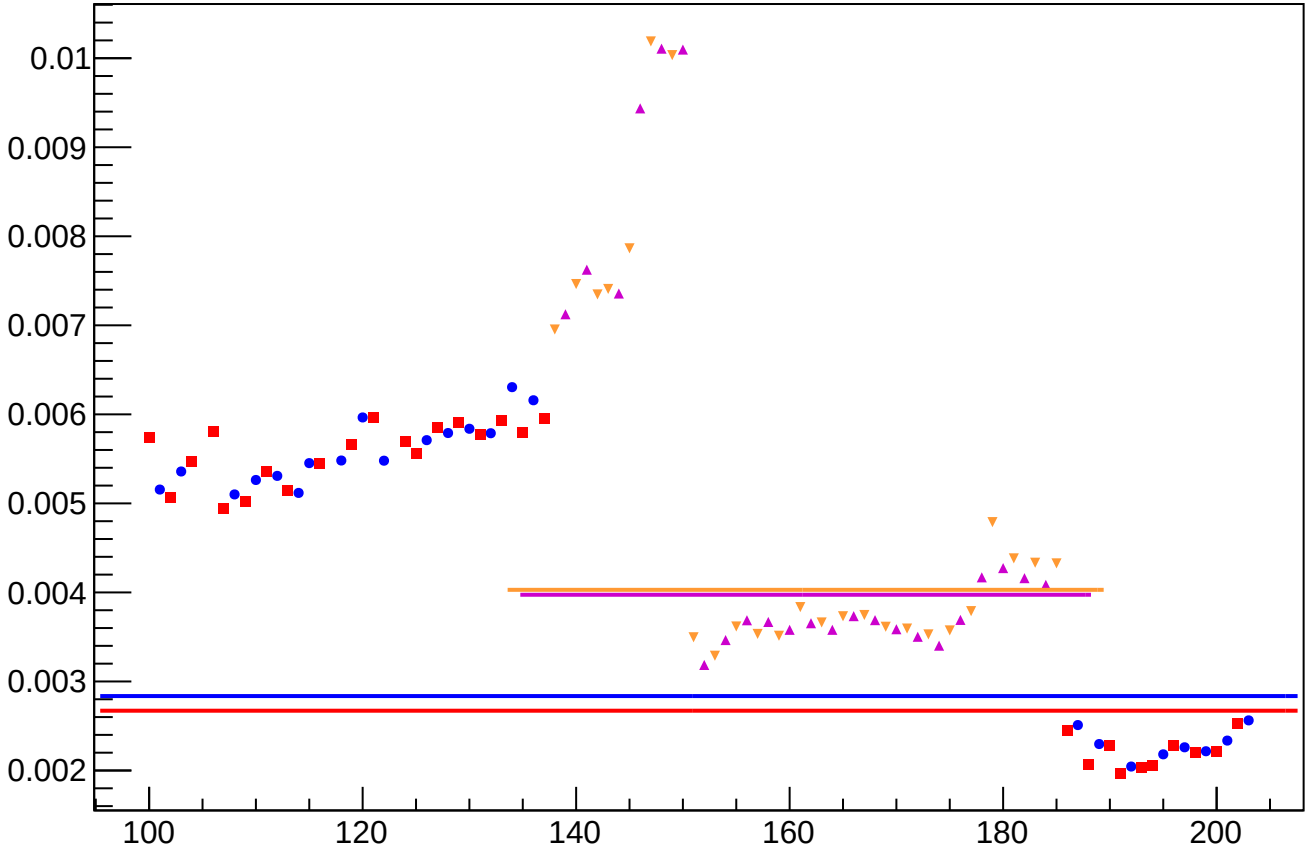
Right: 1.366+/-0.000 χ^2/NDF: 3259358938196.5/52

In: 1.070+/-0.000 χ^2/NDF:2151833684914.3/46

Out: 1.044+/-0.000 χ^2/NDF:2297610046887.9/53

All: 1.056+/-0.000 χ^2/NDF: 4450286377527.

yield_bpm1i04Y_rms vs Slug, Sign Corrected



Right In: 0.003+/-0.000 χ^2/NDF: 4305857.4/23

Left Out: 0.004+/-0.000 χ^2/NDF:2965028.8/24

Right Out: 0.003+/-0.000 χ^2/NDF: 4669082.8/28

Left In: 0.004+/-0.000 χ^2/NDF:3121901.5/22

Left: 0.004+/-0.000 χ^2/NDF: 6090115.0/47

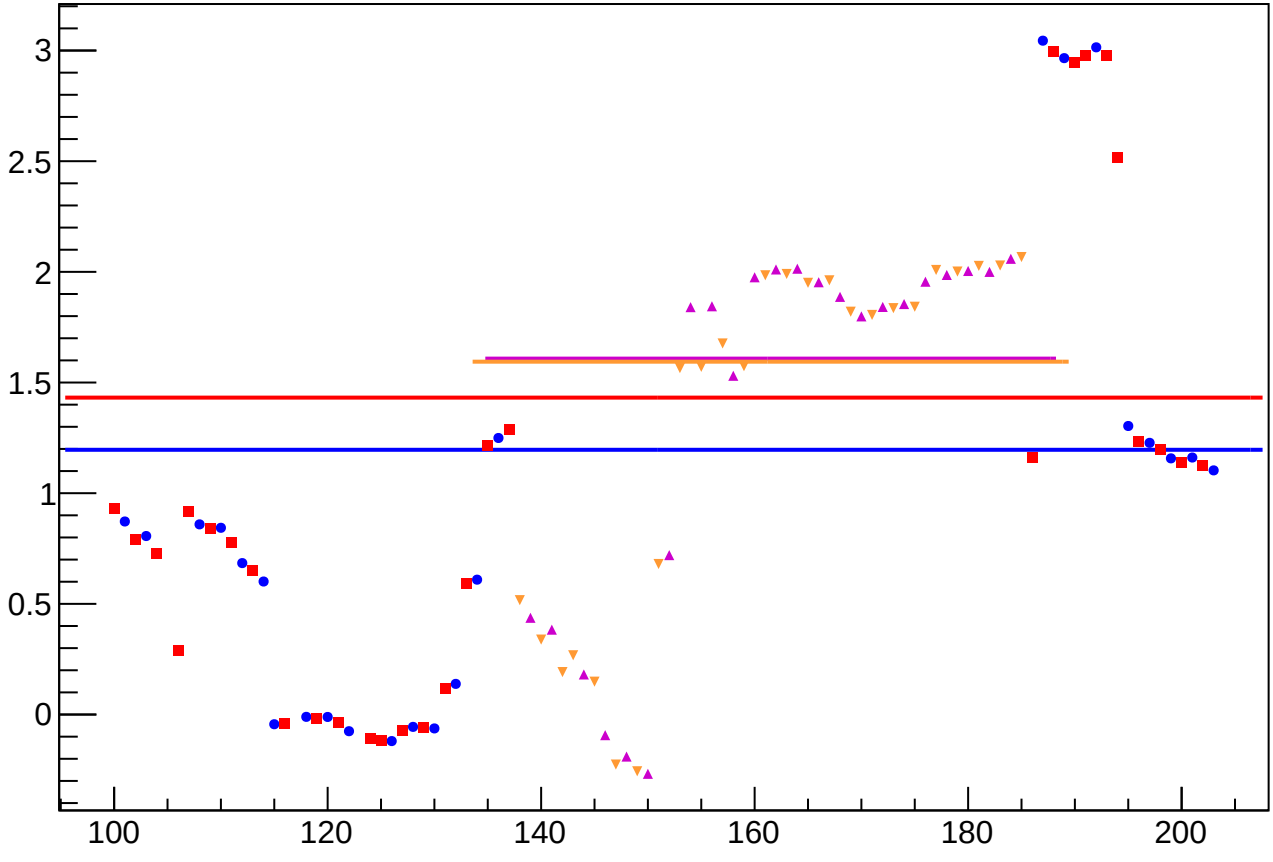
Right: 0.003+/-0.000 χ^2/NDF: 9014213.5/52

In: 0.003+/-0.000 χ^2/NDF:8919322.8/46

Out: 0.003+/-0.000 χ^2/NDF:9996846.4/53

All: 0.003+/-0.000 χ^2/NDF: 18958584.4/100

yield_bpm1i06X_mean vs Slug, Sign Corrected



Right In: 1.196+/-0.000 χ^2/NDF: 77527052546.0/23

Left Out: 1.594+/-0.000 χ^2/NDF:62632055963.2/24

Right Out: 1.432+/-0.000 χ^2/NDF: 104362617773.5/28

Left In: 1.608+/-0.000 χ^2/NDF:66403809503.4/22

Left: 1.601+/-0.000 χ^2/NDF: 129051467837.0/47

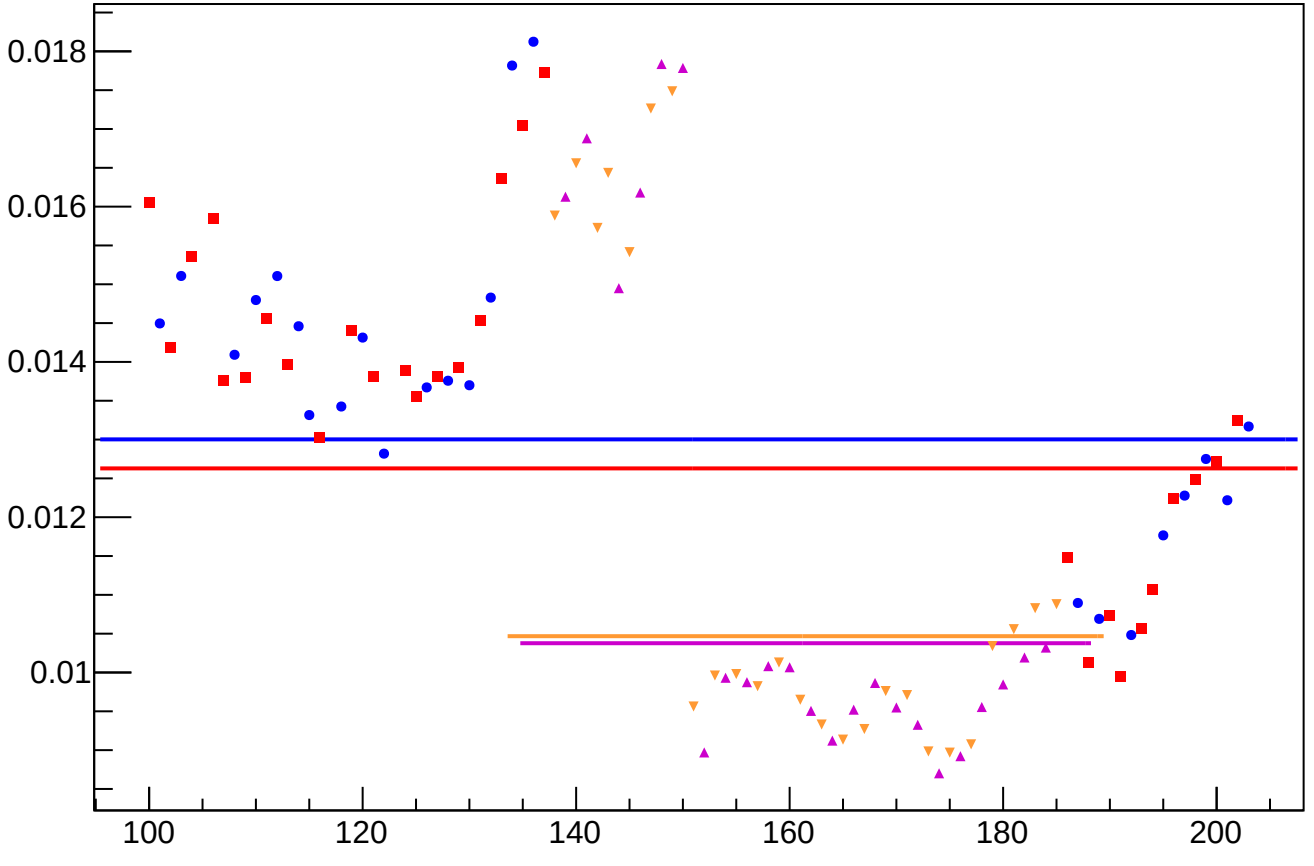
Right: 1.323+/-0.000 χ^2/NDF: 184152906065.5/52

In: 1.476+/-0.000 χ^2/NDF:152668305827.4/46

Out: 1.538+/-0.000 χ^2/NDF:168513342441.9/53

All: 1.508+/-0.000 χ^2/NDF: 321655838790.5

yield_bpm1i06X_rms vs Slug, Sign Corrected



Right In: 0.013+/-0.000 χ^2/NDF: 501944.0/23

Left Out: 0.010+/-0.000 χ^2/NDF:1661211.8/24

Right Out: 0.013+/-0.000 χ^2/NDF: 593465.4/28

Left In: 0.010+/-0.000 χ^2/NDF:1710541.0/22

Left: 0.010+/-0.000 χ^2/NDF: 3373093.6/47

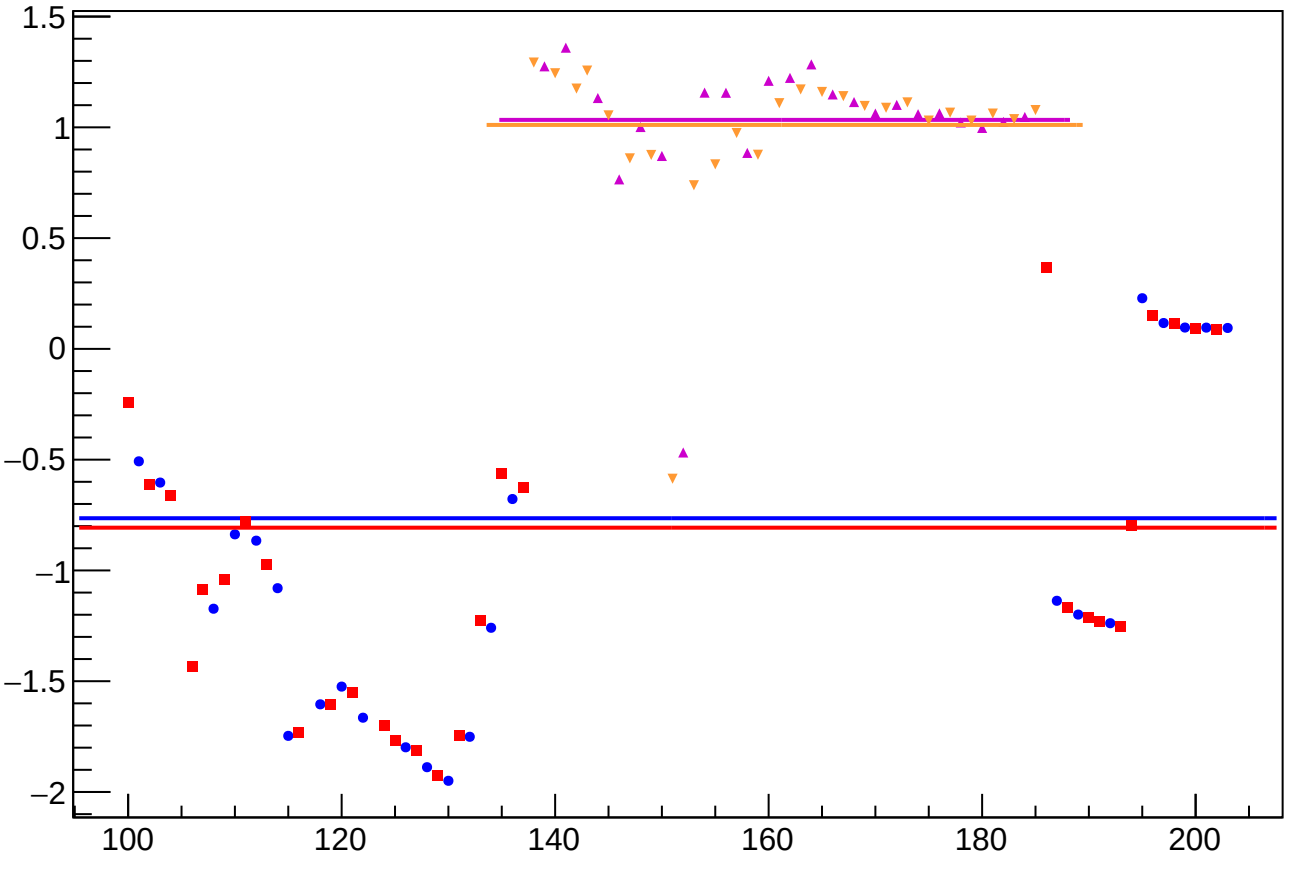
Right: 0.013+/-0.000 χ^2/NDF: 1106790.3/52

In: 0.011+/-0.000 χ^2/NDF:2922318.8/46

Out: 0.011+/-0.000 χ^2/NDF:2792766.4/53

All: 0.011+/-0.000 χ^2/NDF: 5715091.2/100

yield_bpm1i06Y_mean vs Slug, Sign Corrected



Right In: -0.764+/-0.000 χ^2/NDF: 160201955858.0/23

Left Out: 1.011+/-0.000 χ^2/NDF:111188616245.0/24

Right Out: -0.807+/-0.000 χ^2/NDF: 144131271114.5/28

Left In: 1.034+/-0.000 χ^2/NDF:125385050389.9/22

Left: 1.022+/-0.000 χ^2/NDF: 236930467589.7/47

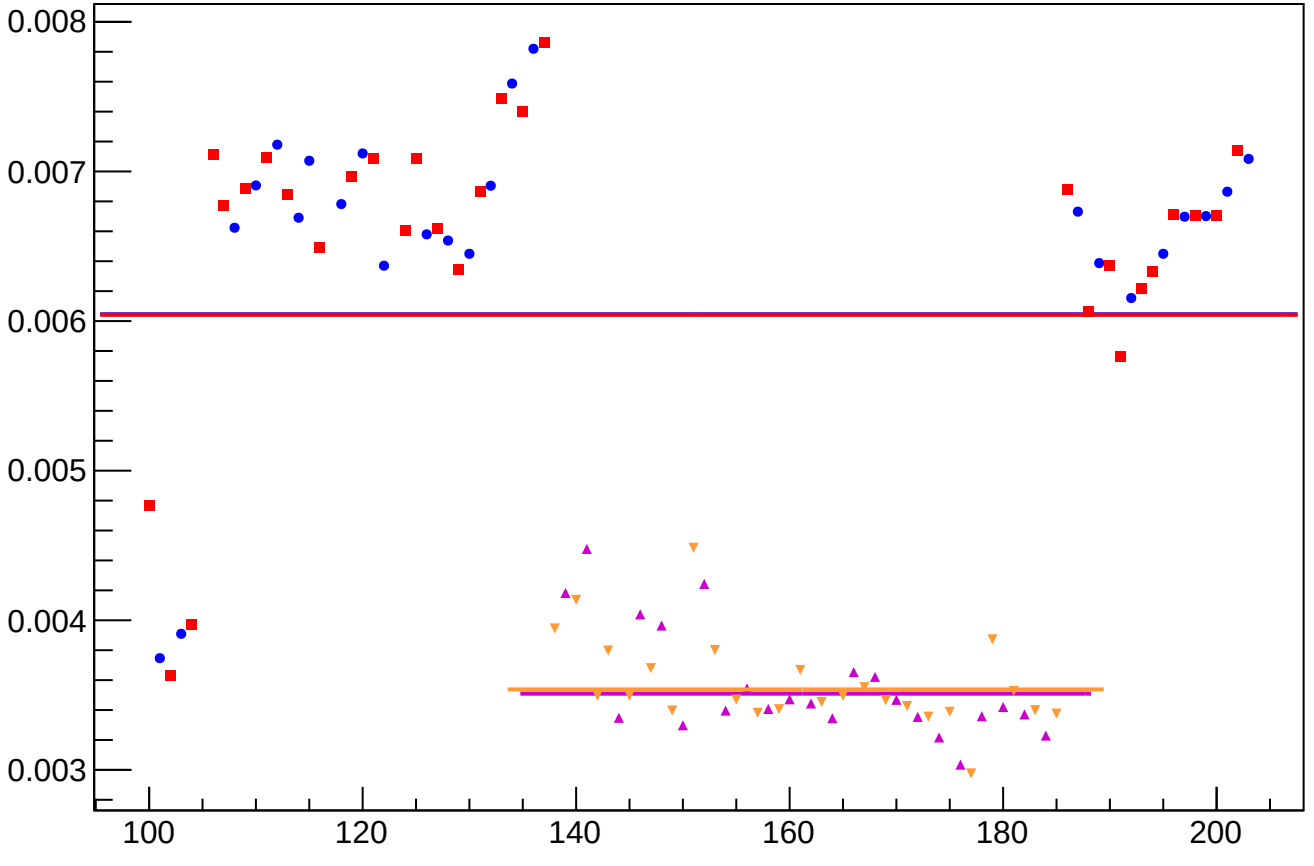
Right: -0.787+/-0.000 χ^2/NDF: 304646866153.7/52

In: 0.681+/-0.000 χ^2/NDF:1139961840817.3/46

Out: 0.639+/-0.000 χ^2/NDF:1206066457454.1/53

All: 0.659+/-0.000 χ^2/NDF: 2347528449284.

yield_bpm1i06Y_rms vs Slug, Sign Corrected



Right In: 0.006+/-0.000 χ^2/NDF: 1102835.6/23

Left Out: 0.004+/-0.000 χ^2/NDF:215725.1/24

Right Out: 0.006+/-0.000 χ^2/NDF: 1140499.2/28

Left In: 0.004+/-0.000 χ^2/NDF:284960.7/22

Left: 0.004+/-0.000 χ^2/NDF: 501791.4/47

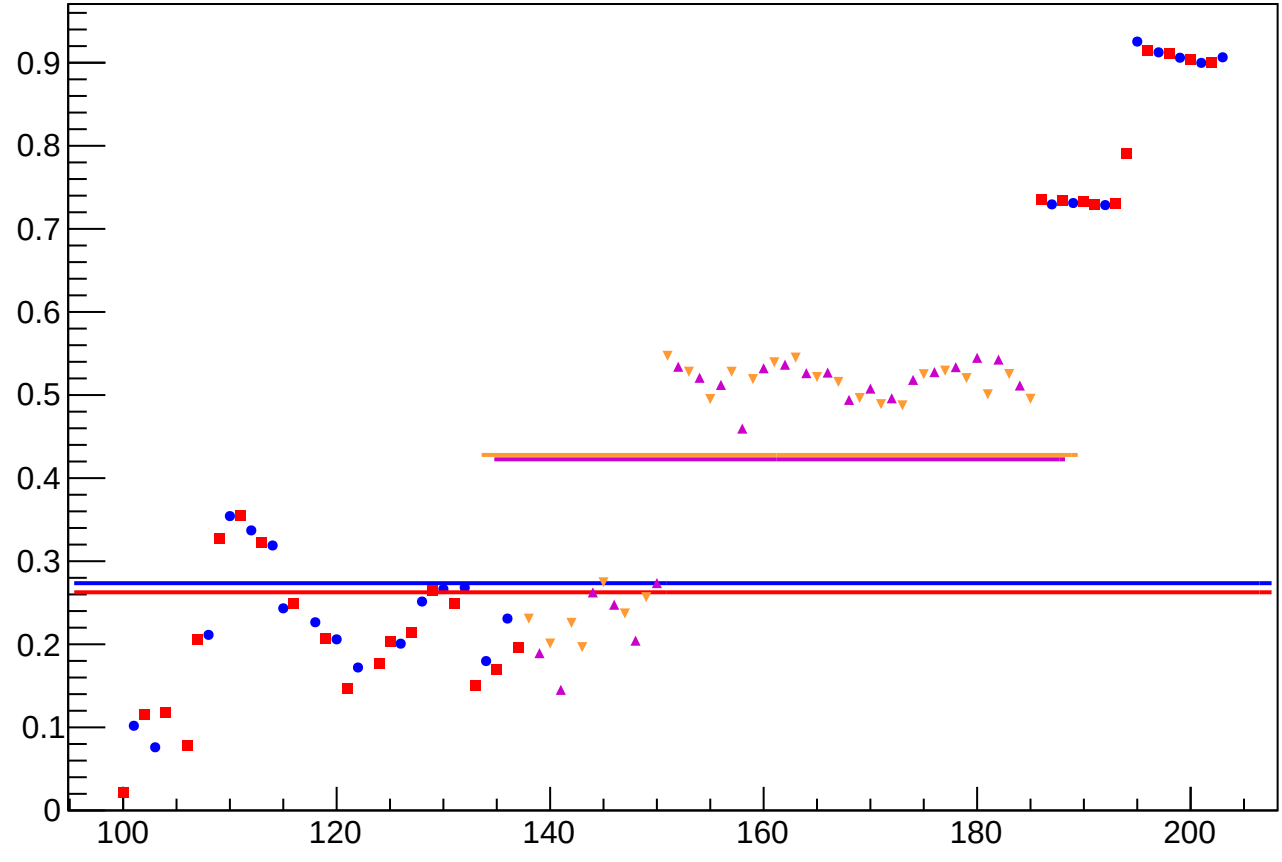
Right: 0.006+/-0.000 χ^2/NDF: 2243338.2/52

In: 0.004+/-0.000 χ^2/NDF:4786535.3/46

Out: 0.004+/-0.000 χ^2/NDF:4964623.6/53

All: 0.004+/-0.000 χ^2/NDF: 9754330.2/100

yield_bpm2i01X_mean vs Slug, Sign Corrected



Right In: 0.274+/-0.000 χ^2/NDF: 139342637539.4/23

Left Out: 0.428+/-0.000 χ^2/NDF:153820853539.2/24

Right Out: 0.263+/-0.000 χ^2/NDF: 160098516233.8/28

Left In: 0.423+/-0.000 χ^2/NDF:158122093061.2/22

Left: 0.425+/-0.000 χ^2/NDF: 312056221639.2/47

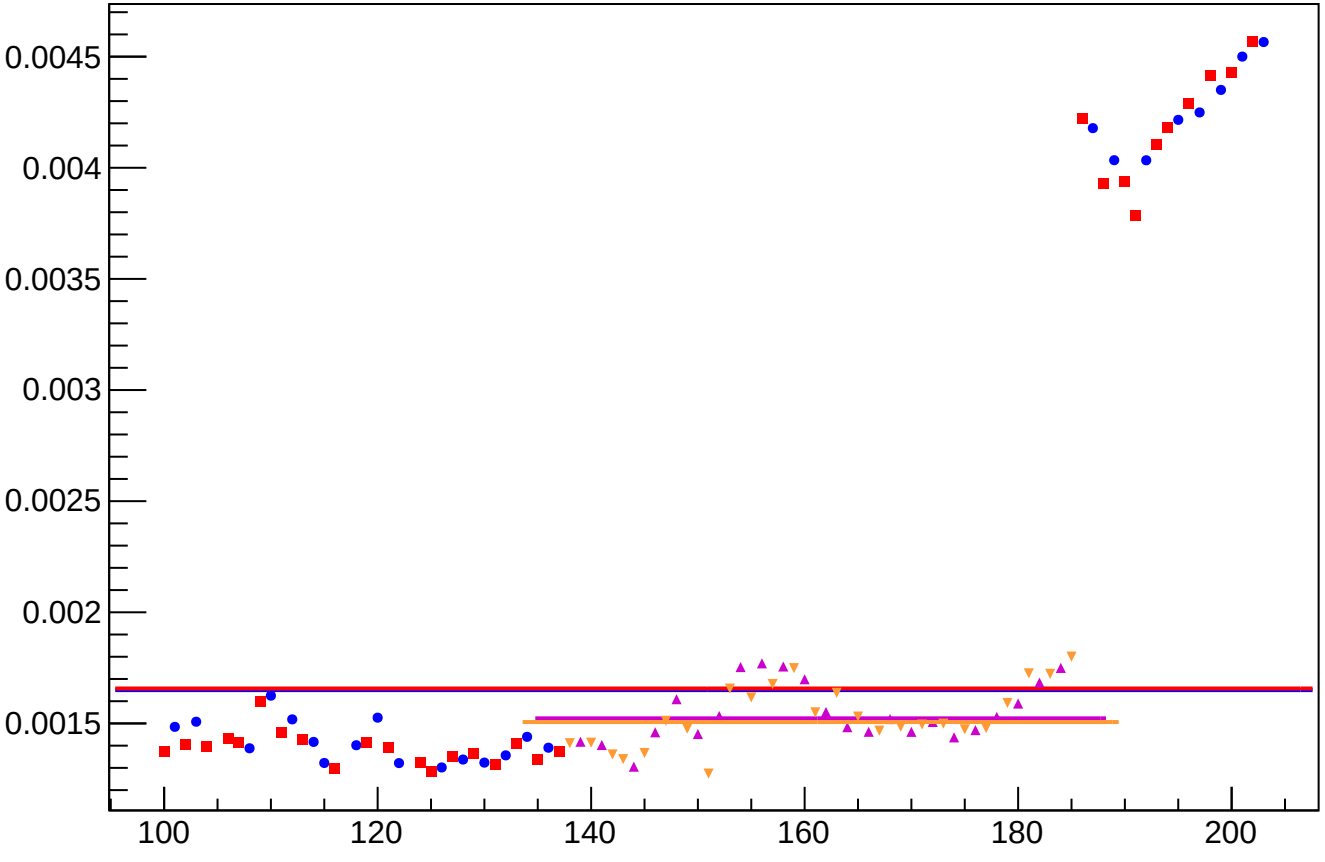
Right: 0.268+/-0.000 χ^2/NDF: 299681912781.8/52

In: 0.373+/-0.000 χ^2/NDF:354483526911.3/46

Out: 0.373+/-0.000 χ^2/NDF:390344327320.3/53

All: 0.373+/-0.000 χ^2/NDF: 744828799229.6

yield_bpm2i01X_rms vs Slug, Sign Corrected



Right In: 0.002+/-0.000 χ^2/NDF: 4964236.2/23

Left Out: 0.002+/-0.000 χ^2/NDF:278895.8/24

Right Out: 0.002+/-0.000 χ^2/NDF: 5794490.5/28

Left In: 0.002+/-0.000 χ^2/NDF:234679.9/22

Left: 0.002+/-0.000 χ^2/NDF: 515814.5/47

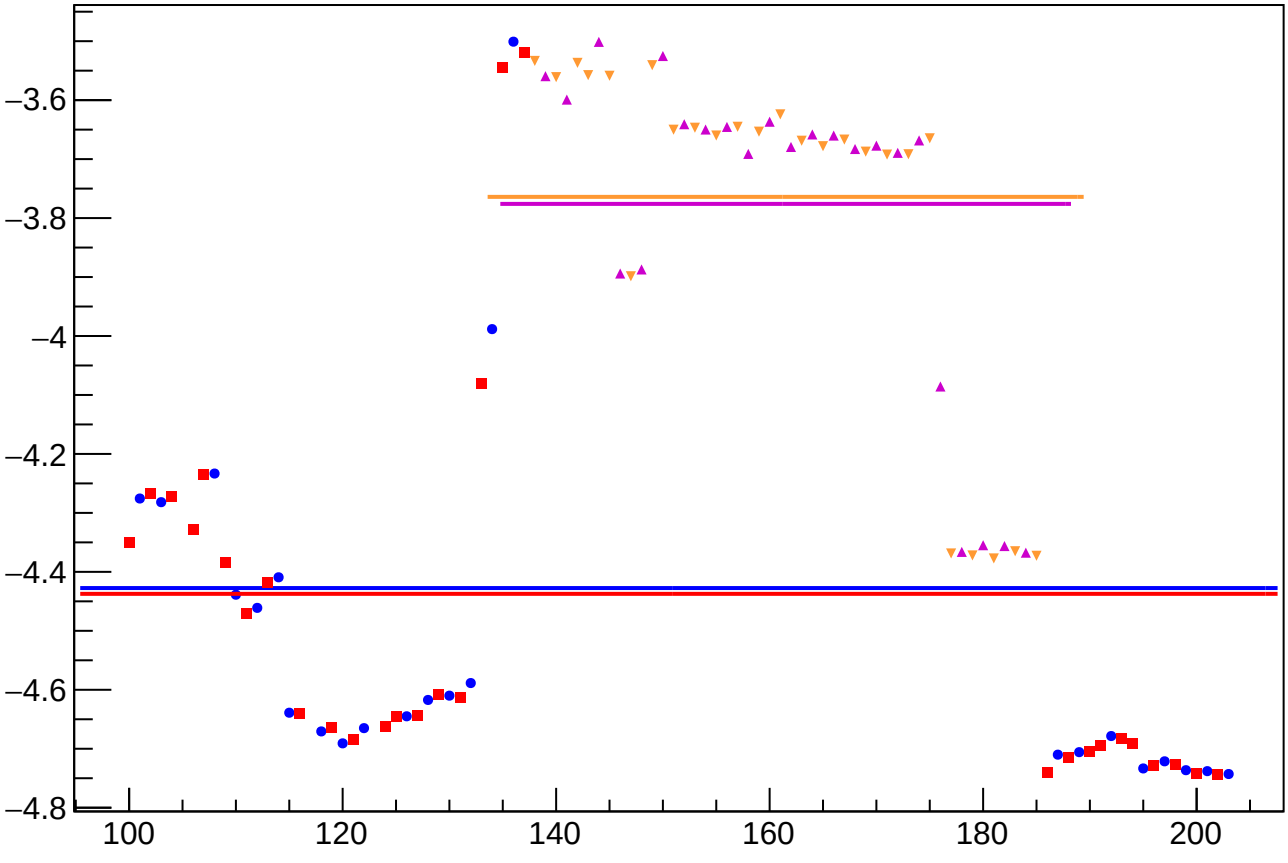
Right: 0.002+/-0.000 χ^2/NDF: 10758937.7/52

In: 0.002+/-0.000 χ^2/NDF:5281695.1/46

Out: 0.002+/-0.000 χ^2/NDF:6200765.4/53

All: 0.002+/-0.000 χ^2/NDF: 11483324.0/100

yield_bpm2i01Y_mean vs Slug, Sign Corrected



Right In: -4.427+/-0.000 χ^2/NDF: 410079497713.7/23

Left Out: -3.764+/-0.000 χ^2/NDF:483461311370.8/24

Right Out: -4.437+/-0.000 χ^2/NDF: 360803504743.8/28

Left In: -3.776+/-0.000 χ^2/NDF:402659987166.3/22

Left: -3.770+/-0.000 χ^2/NDF: 886556013091.1/47

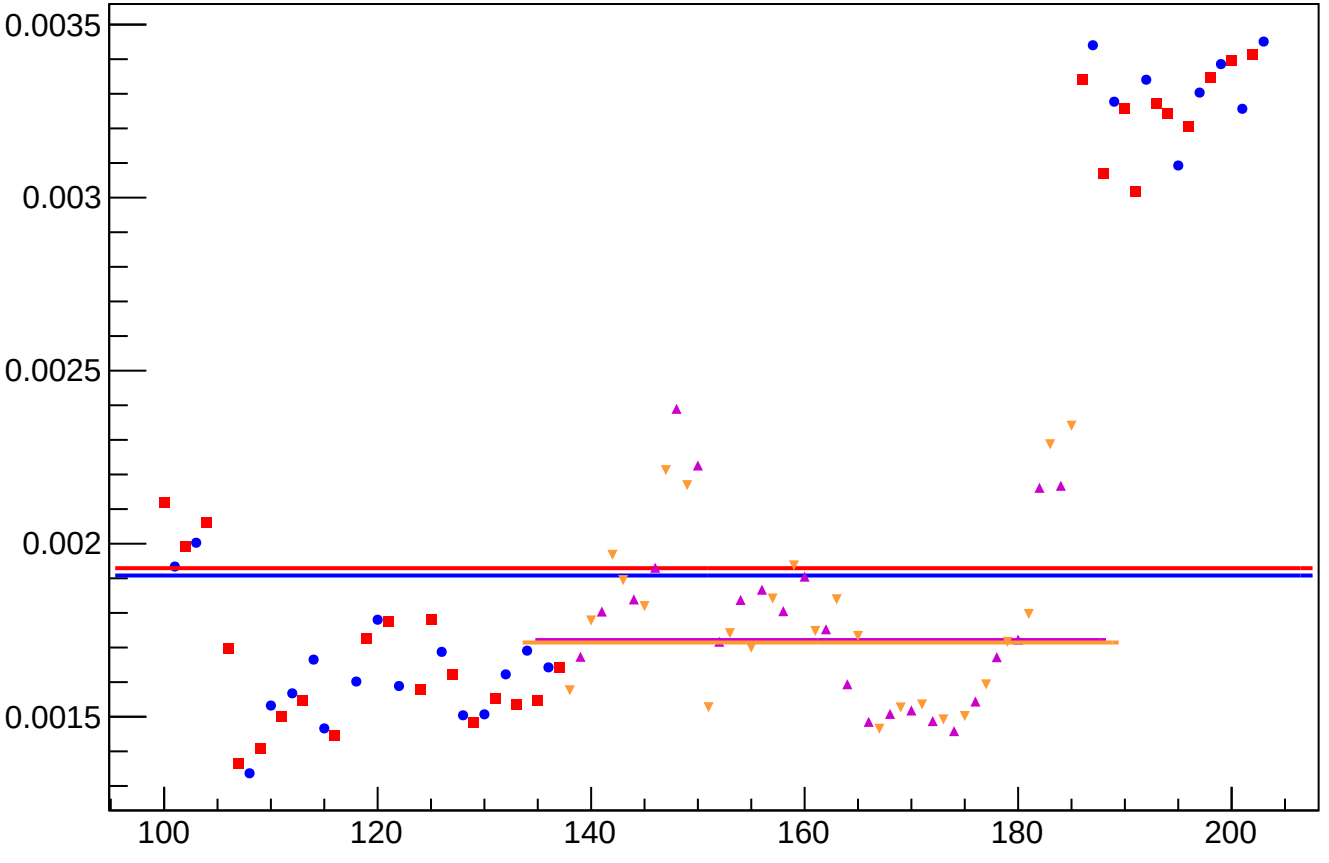
Right: -4.433+/-0.000 χ^2/NDF: 771040883761.8/52

In: -4.002+/-0.000 χ^2/NDF:1687625505619.8/46

Out: -4.000+/-0.000 χ^2/NDF:1847025848634.5/53

All: -4.001+/-0.000 χ^2/NDF: 3534677359080

yield_bpm2i01Y_rms vs Slug, Sign Corrected



Right In: 0.002+/-0.000 χ^2/NDF: 2686972.2/23

Left Out: 0.002+/-0.000 χ^2/NDF:562338.1/24

Right Out: 0.002+/-0.000 χ^2/NDF: 3105874.0/28

Left In: 0.002+/-0.000 χ^2/NDF:581878.6/22

Left: 0.002+/-0.000 χ^2/NDF: 1144519.8/47

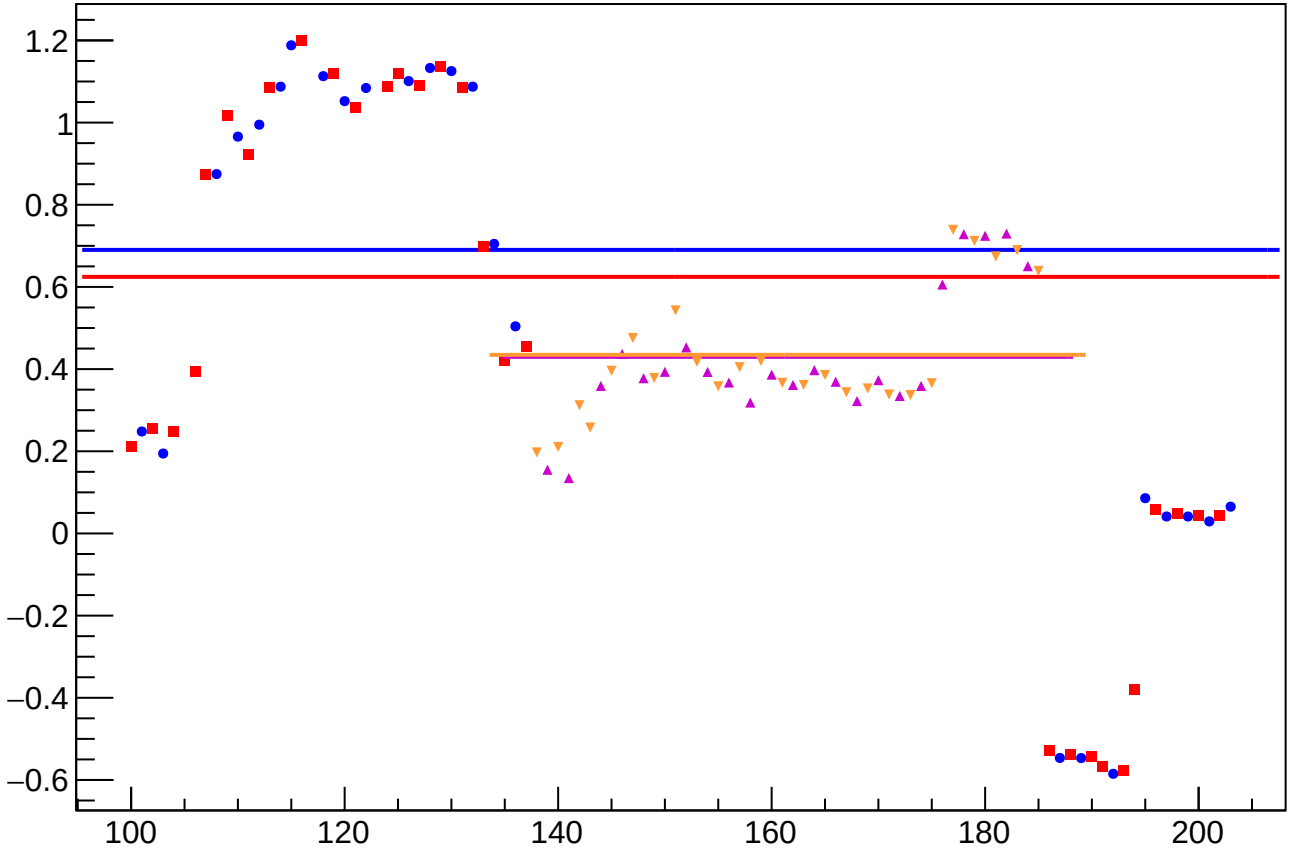
Right: 0.002+/-0.000 χ^2/NDF: 5794316.7/52

In: 0.002+/-0.000 χ^2/NDF:3412200.8/46

Out: 0.002+/-0.000 χ^2/NDF:3872166.4/53

All: 0.002+/-0.000 χ^2/NDF: 7284476.5/100

yield_bpm2i02X_mean vs Slug, Sign Corrected



Right In: 0.690+/-0.000 χ^2/NDF: 61781434721.7/23

Left Out: 0.435+/-0.000 χ^2/NDF:8515333254.7/24

Right Out: 0.624+/-0.000 χ^2/NDF: 83276256543.2/28

Left In: 0.430+/-0.000 χ^2/NDF:9041195997.1/22

Left: 0.432+/-0.000 χ^2/NDF: 17560906918.4/47

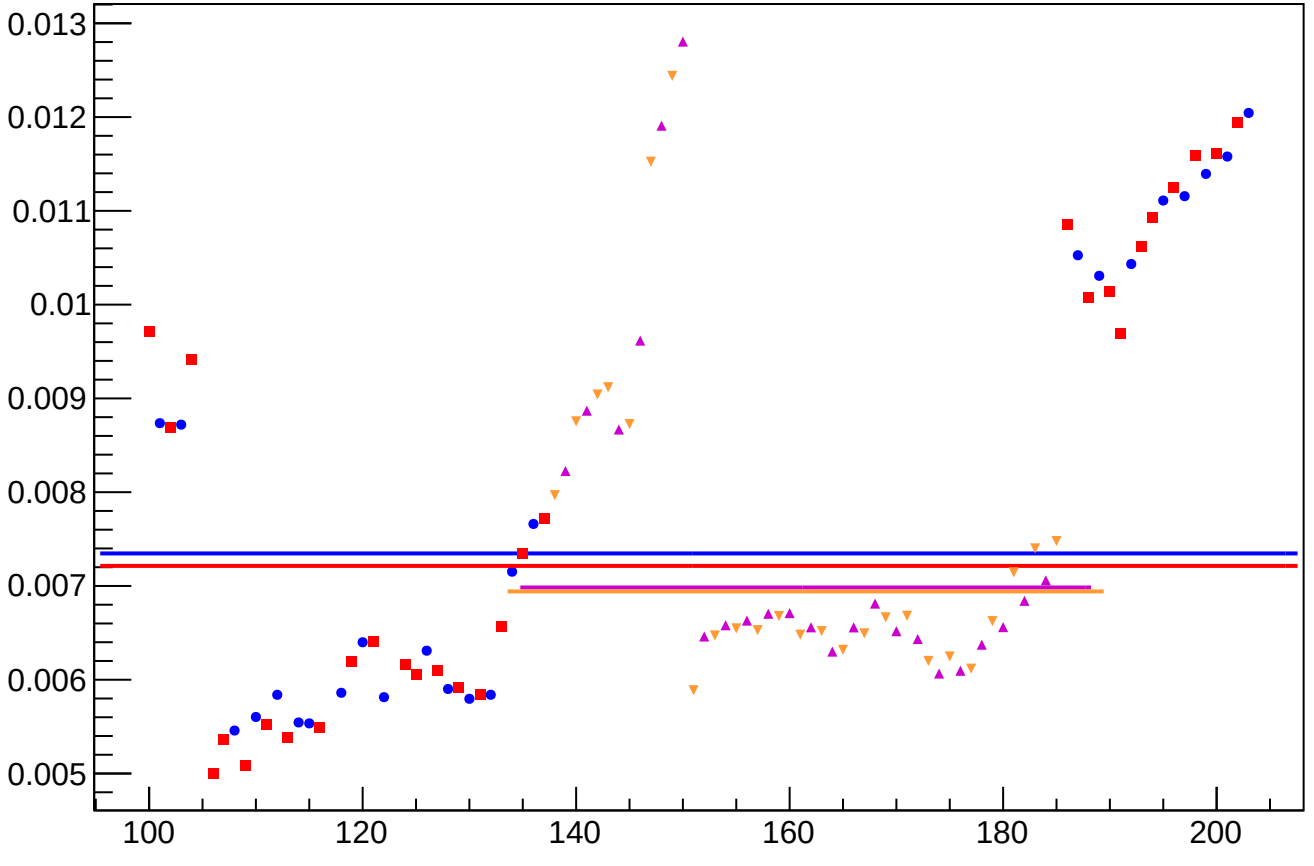
Right: 0.655+/-0.000 χ^2/NDF: 145571318179.0/52

In: 0.529+/-0.000 χ^2/NDF:80199266895.4/46

Out: 0.510+/-0.000 χ^2/NDF:97320511813.5/53

All: 0.519+/-0.000 χ^2/NDF: 177636277535.4

yield_bpm2i02X_rms vs Slug, Sign Corrected



Right In: 0.007+/-0.000 χ^2/NDF: 2100529.6/23

Left Out: 0.007+/-0.000 χ^2/NDF:1090916.4/24

Right Out: 0.007+/-0.000 χ^2/NDF: 2612065.4/28

Left In: 0.007+/-0.000 χ^2/NDF:1136529.0/22

Left: 0.007+/-0.000 χ^2/NDF: 2228107.8/47

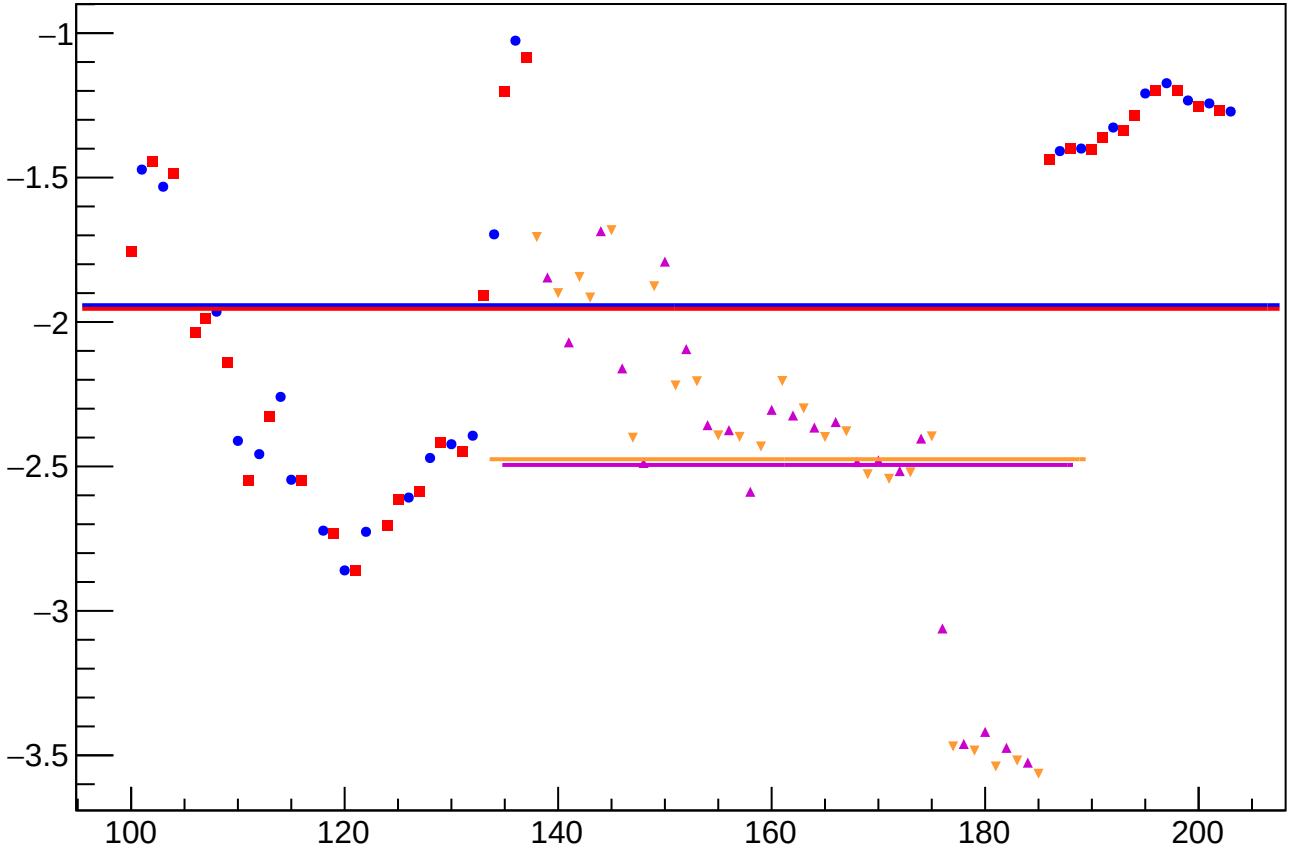
Right: 0.007+/-0.000 χ^2/NDF: 4716806.8/52

In: 0.007+/-0.000 χ^2/NDF:3273550.0/46

Out: 0.007+/-0.000 χ^2/NDF:3725722.3/53

All: 0.007+/-0.000 χ^2/NDF: 7002543.2/100

yield_bpm2i02Y_mean vs Slug, Sign Corrected



Right In: -1.942+/-0.000 χ^2/NDF: 101888605730.9/23

Left Out: -2.475+/-0.000 χ^2/NDF:122955897541.5/24

Right Out: -1.954+/-0.000 χ^2/NDF: 99322728247.8/28

Left In: -2.495+/-0.000 χ^2/NDF:96774638297.6/22

Left: -2.485+/-0.000 χ^2/NDF: 219817663018.7/47

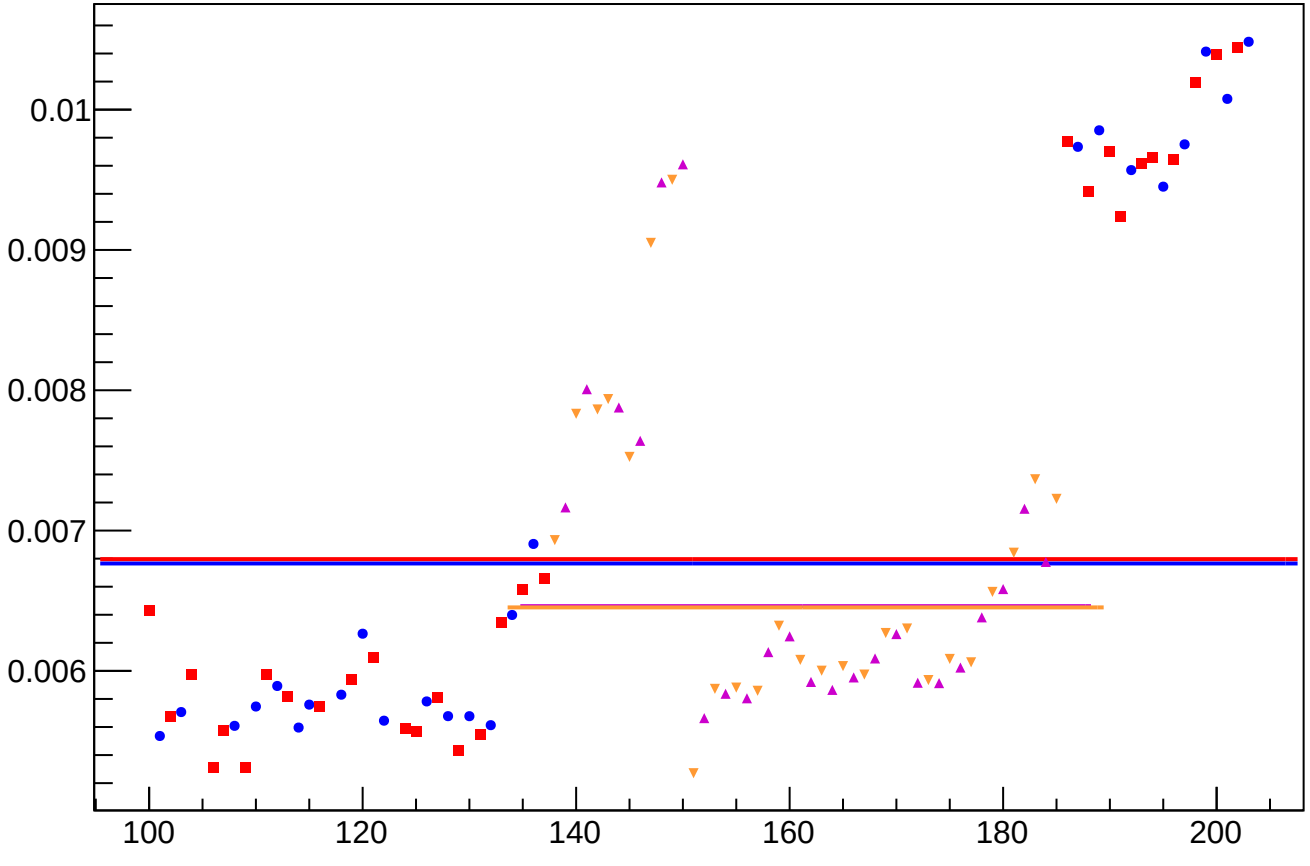
Right: -1.948+/-0.000 χ^2/NDF: 201233162881.0/52

In: -2.281+/-0.000 χ^2/NDF:249363271741.2/46

Out: -2.270+/-0.000 χ^2/NDF:270748760038.8/53

All: -2.276+/-0.000 χ^2/NDF: 520156017355.9

yield_bpm2i02Y_rms vs Slug, Sign Corrected



Right In: 0.007+/-0.000 χ^2/NDF: 1621807.5/23

Left Out: 0.006+/-0.000 χ^2/NDF:713238.0/24

Right Out: 0.007+/-0.000 χ^2/NDF: 1868965.7/28

Left In: 0.006+/-0.000 χ^2/NDF:720640.7/22

Left: 0.006+/-0.000 χ^2/NDF: 1433914.6/47

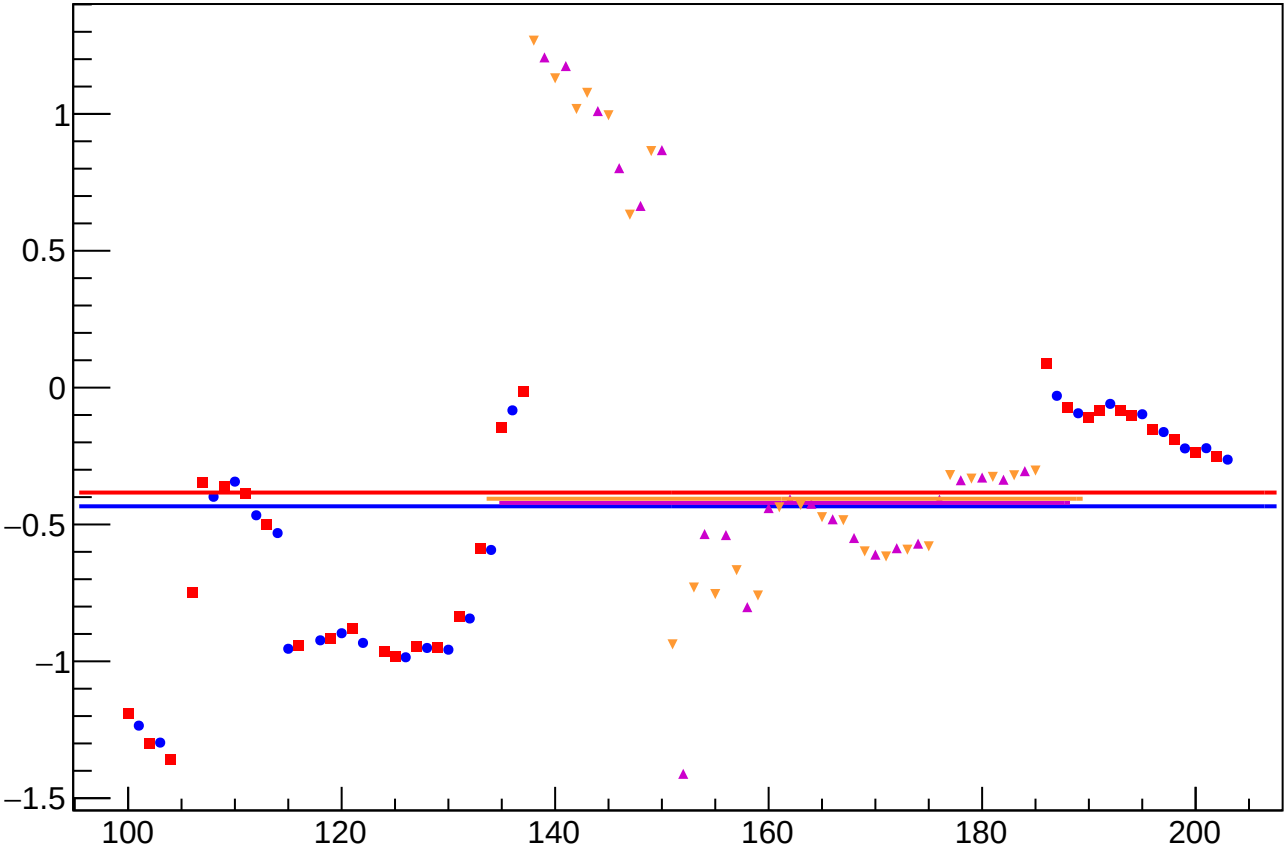
Right: 0.007+/-0.000 χ^2/NDF: 3491042.2/52

In: 0.007+/-0.000 χ^2/NDF:2373128.4/46

Out: 0.007+/-0.000 χ^2/NDF:2624537.8/53

All: 0.007+/-0.000 χ^2/NDF: 4997722.2/100

yield_bpm0i01X_mean vs Slug, Sign Corrected



Right In: -0.434+/-0.000 χ^2/NDF: 23682325569.1/23

Left Out: -0.406+/-0.000 χ^2/NDF:81633647828.2/24

Right Out: -0.383+/-0.000 χ^2/NDF: 26871937335.0/28

Left In: -0.421+/-0.000 χ^2/NDF:90241717621.7/22

Left: -0.413+/-0.000 χ^2/NDF: 171915637988.1/47

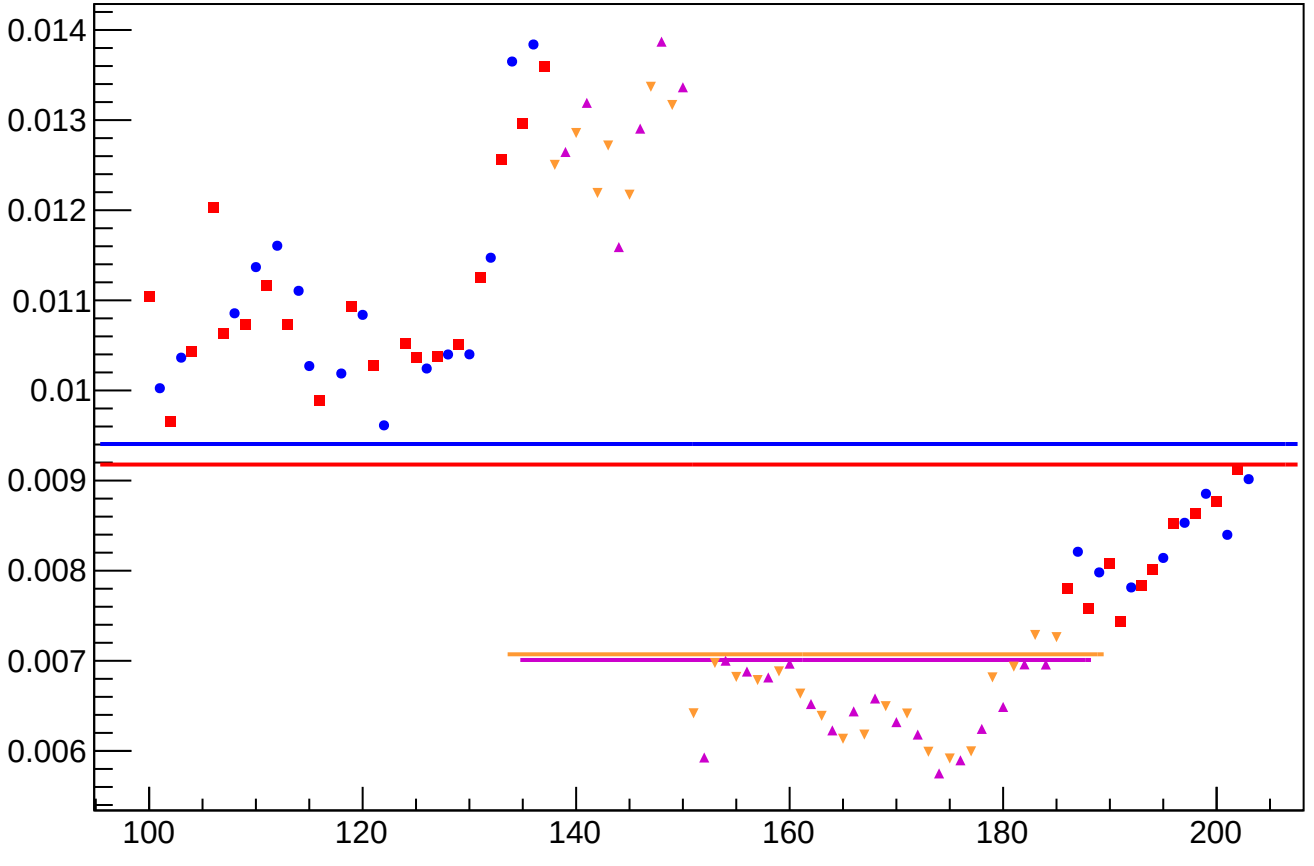
Right: -0.407+/-0.000 χ^2/NDF: 50747777161.7/52

In: -0.425+/-0.000 χ^2/NDF:113939626022.2/46

Out: -0.399+/-0.000 χ^2/NDF:108563162191.5/53

All: -0.411+/-0.000 χ^2/NDF: 222673093414.9

yield_bpm0i01X_rms vs Slug, Sign Corrected



Right In: 0.009+/-0.000 χ^2/NDF: 625235.2/23

Left Out: 0.007+/-0.000 χ^2/NDF:2384159.5/24

Right Out: 0.009+/-0.000 χ^2/NDF: 675185.5/28

Left In: 0.007+/-0.000 χ^2/NDF:2456348.6/22

Left: 0.007+/-0.000 χ^2/NDF: 4841897.1/47

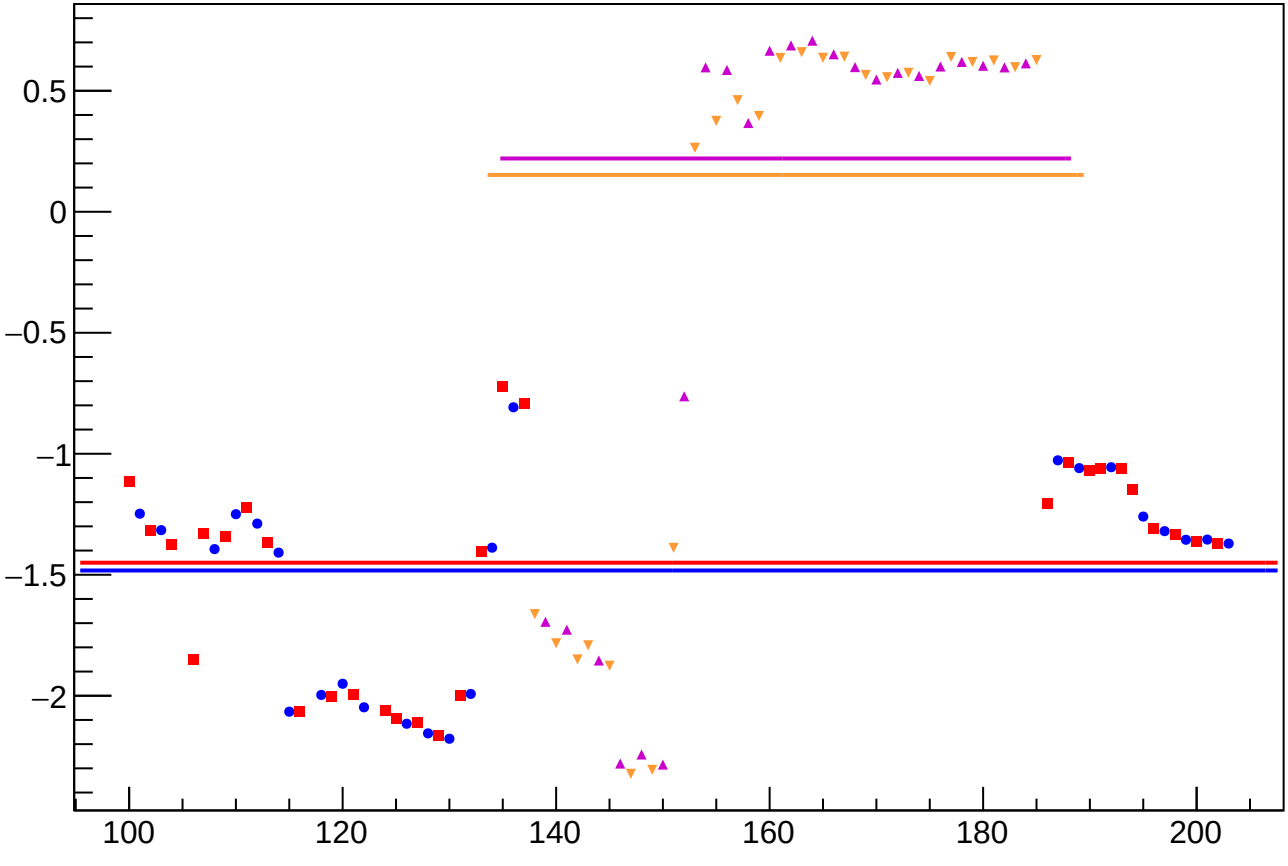
Right: 0.009+/-0.000 χ^2/NDF: 1308388.6/52

In: 0.008+/-0.000 χ^2/NDF:4240257.2/46

Out: 0.008+/-0.000 χ^2/NDF:4059621.1/53

All: 0.008+/-0.000 χ^2/NDF: 8300153.3/100

yield_bpm0i01Y_mean vs Slug, Sign Corrected



Right In: -1.482+/-0.000 χ^2/NDF: 182327972049.3/23

Left Out: 0.152+/-0.000 χ^2/NDF:2398778835341.2/24

Right Out: -1.450+/-0.000 χ^2/NDF: 171860614350.4/28

Left In: 0.220+/-0.000 χ^2/NDF:2121977245985.6/22

Left: 0.185+/-0.000 χ^2/NDF: 4527353258188.4/47

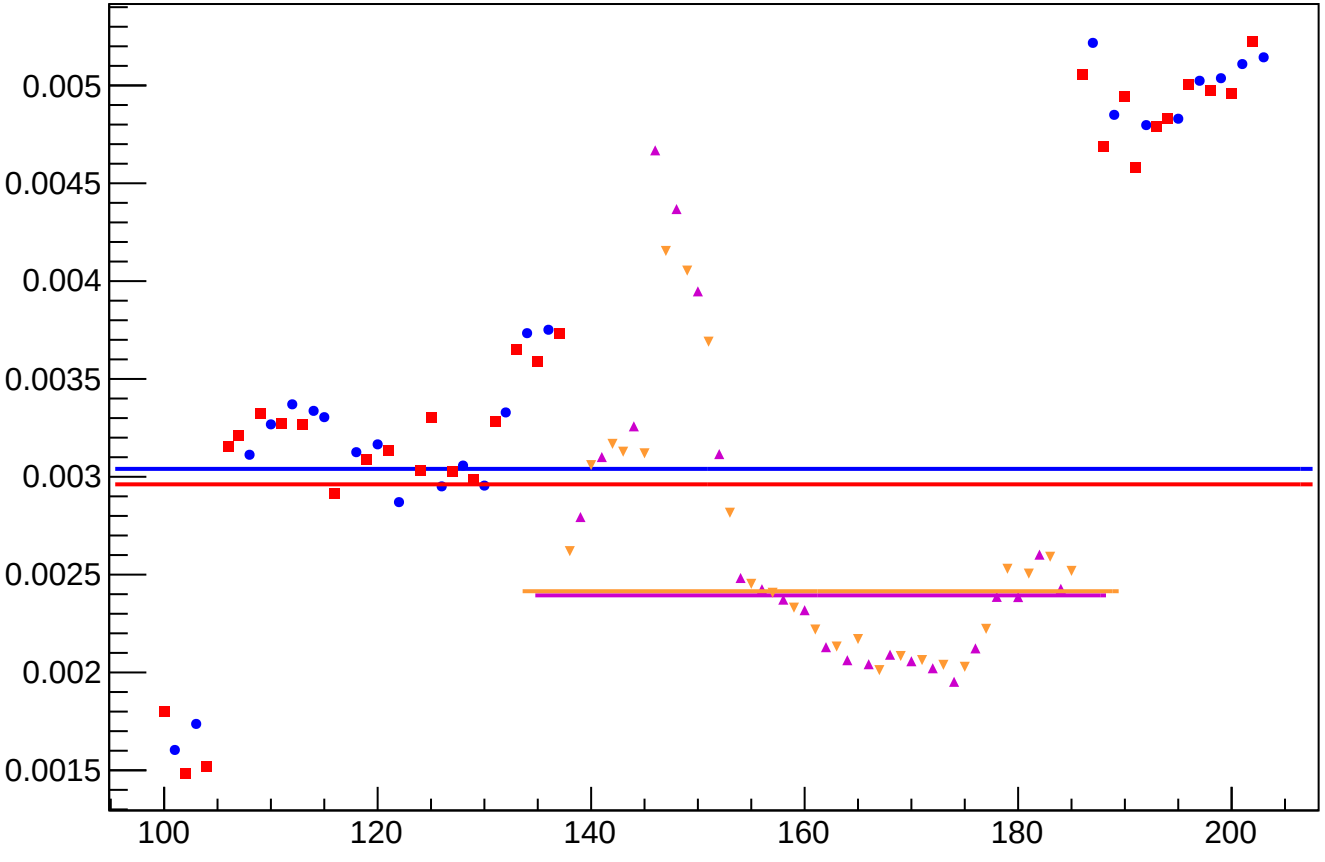
Right: -1.465+/-0.000 χ^2/NDF: 354823880459.7/52

In: -0.281+/-0.000 χ^2/NDF:4682048820811.0/46

Out: -0.342+/-0.000 χ^2/NDF:4886449803114.8/53

All: -0.312+/-0.000 χ^2/NDF: 9576078985571

yield_bpm0i01Y_rms vs Slug, Sign Corrected



Right In: 0.003+/-0.000 χ^2/NDF: 3365967.6/23

Left Out: 0.002+/-0.000 χ^2/NDF:1220406.4/24

Right Out: 0.003+/-0.000 χ^2/NDF: 4338840.9/28

Left In: 0.002+/-0.000 χ^2/NDF:1409595.4/22

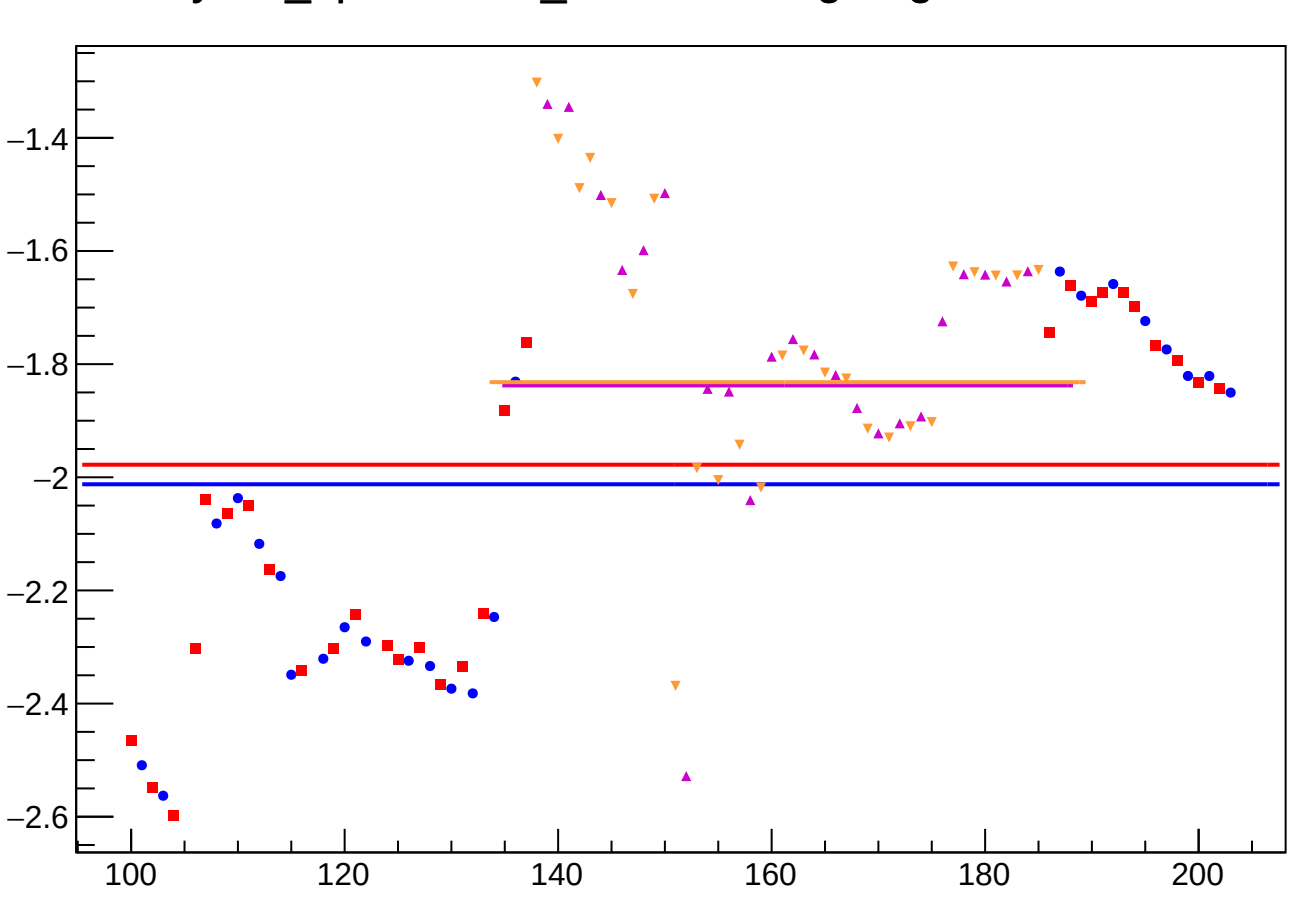
Left: 0.002+/-0.000 χ^2/NDF: 2631272.1/47

Right: 0.003+/-0.000 χ^2/NDF: 7712478.1/52

In: 0.003+/-0.000 χ^2/NDF:5460910.3/46

Out: 0.003+/-0.000 χ^2/NDF:6097457.1/53

All: 0.003+/-0.000 χ^2/NDF: 11558369.6/100



Right In: -2.012+/-0.000 χ^2/NDF: 32111267054.9/23

Left Out: -1.832+/-0.000 χ^2/NDF:38365576589.1/24

Right Out: -1.978+/-0.000 χ^2/NDF: 36811253376.4/28

Left In: -1.838+/-0.000 χ^2/NDF:53437434367.2/22

Left: -1.835+/-0.000 χ^2/NDF: 91818701563.9/47

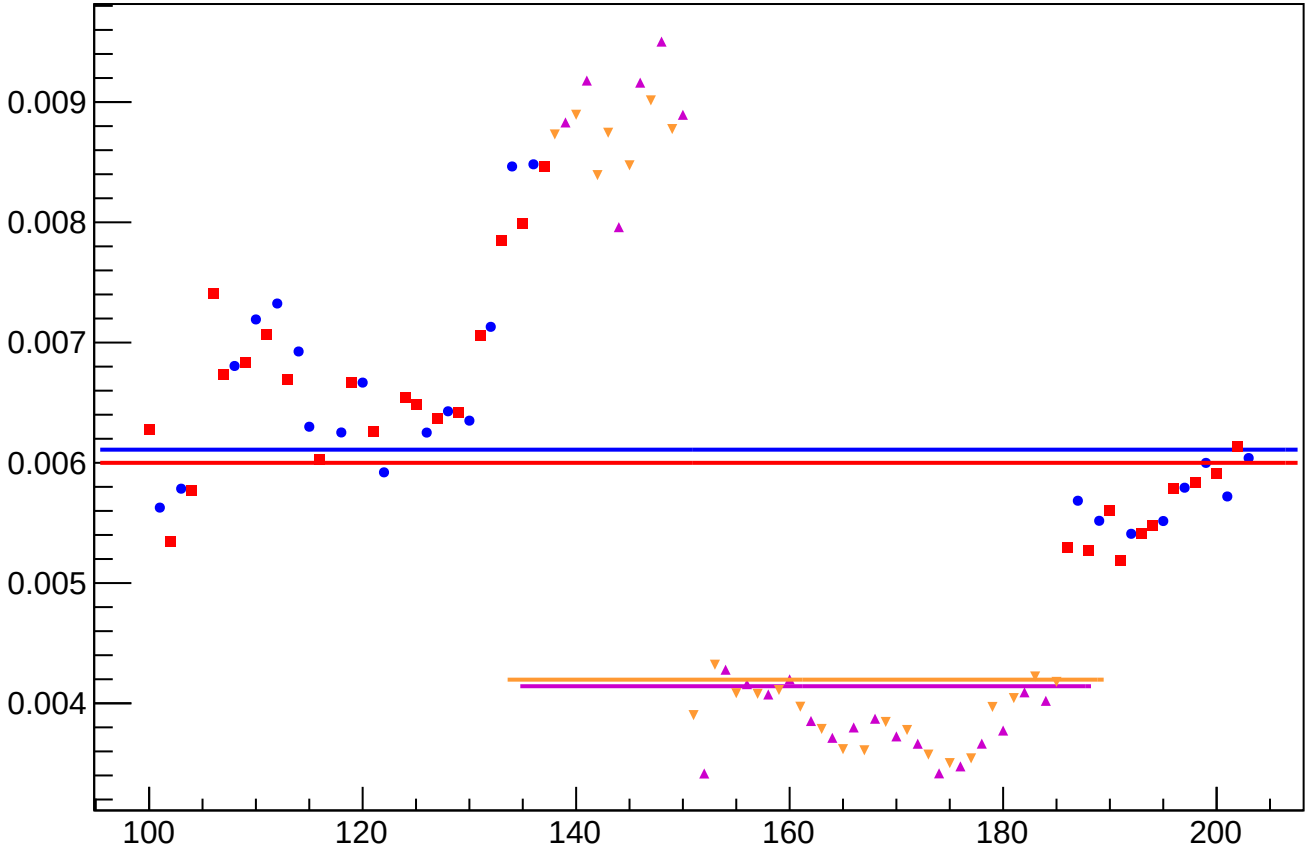
Right: -1.994+/-0.000 χ^2/NDF: 69139069624.7/52

In: -1.884+/-0.000 χ^2/NDF:93167332602.9/46

Out: -1.873+/-0.000 χ^2/NDF:81080494797.9/53

All: -1.878+/-0.000 χ^2/NDF: 174321930764.9

yield_bpm0i01aX_rms vs Slug, Sign Corrected



Right In: 0.006+/-0.000 χ^2/NDF: 365614.1/23

Left Out: 0.004+/-0.000 χ^2/NDF:3091489.2/24

Right Out: 0.006+/-0.000 χ^2/NDF: 378152.1/28

Left In: 0.004+/-0.000 χ^2/NDF:3193924.3/22

Left: 0.004+/-0.000 χ^2/NDF: 6288278.1/47

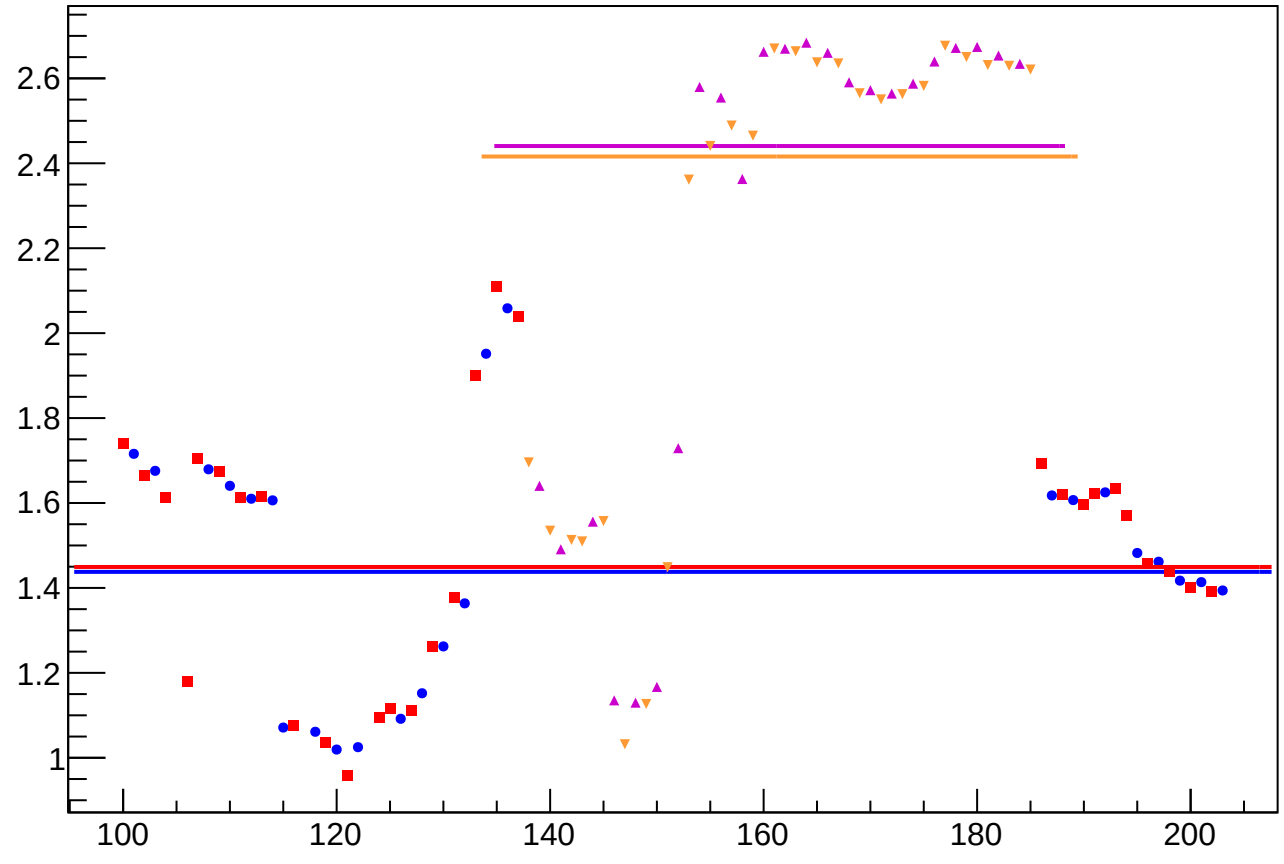
Right: 0.006+/-0.000 χ^2/NDF: 748109.0/52

In: 0.005+/-0.000 χ^2/NDF:5490544.8/46

Out: 0.005+/-0.000 χ^2/NDF:5273182.0/53

All: 0.005+/-0.000 χ^2/NDF: 10766467.7/100

yield_bpm0i01aY_mean vs Slug, Sign Corrected



Right In: 1.438+/-0.000 χ^2/NDF: 191365447156.6/23

Left Out: 2.416+/-0.000 χ^2/NDF:242949391498.0/24

Right Out: 1.449+/-0.000 χ^2/NDF: 186460148211.8/28

Left In: 2.441+/-0.000 χ^2/NDF:231724954471.8/22

Left: 2.428+/-0.000 χ^2/NDF: 475134633285.5/47

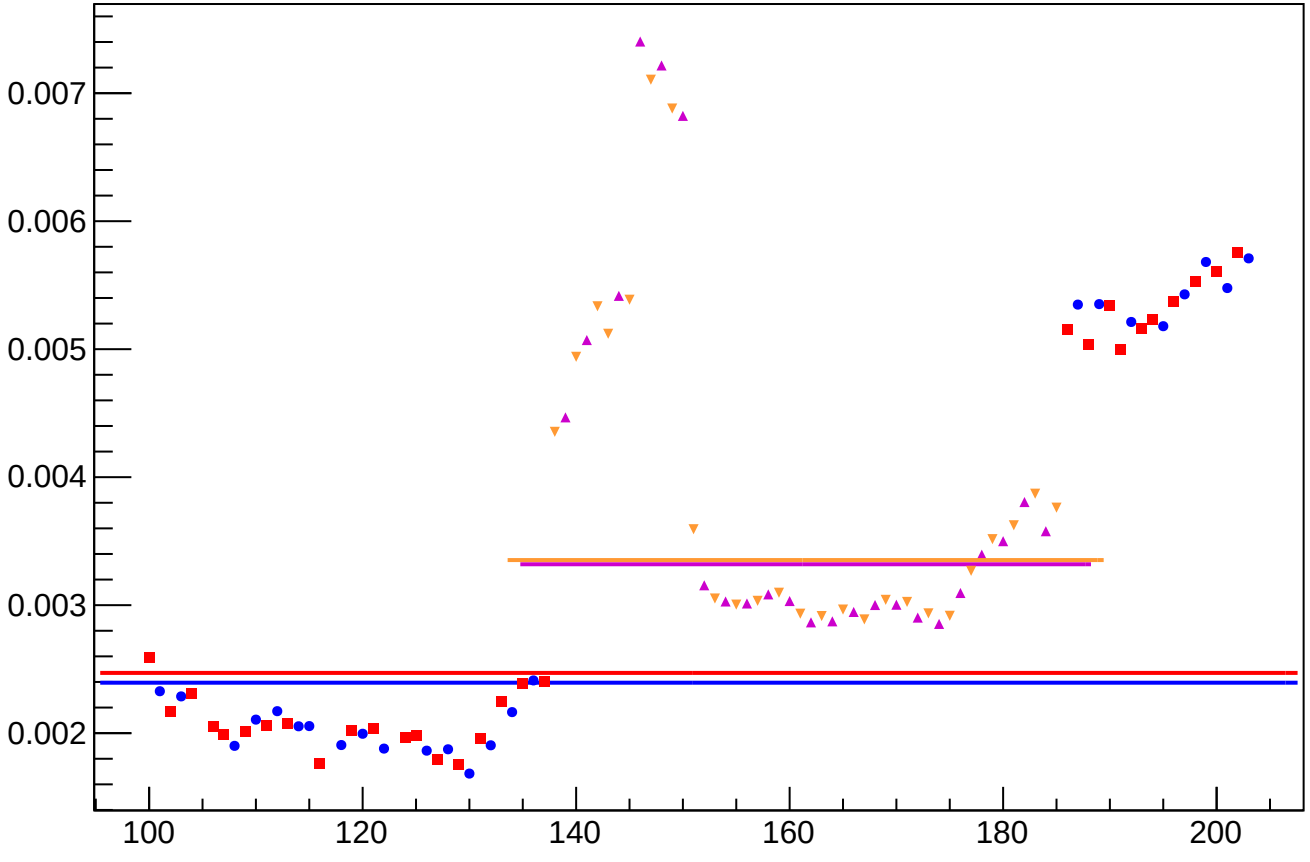
Right: 1.444+/-0.000 χ^2/NDF: 377948652046.6/52

In: 1.887+/-0.000 χ^2/NDF:1245869461939.8/46

Out: 1.887+/-0.000 χ^2/NDF:1223609316630.5/53

All: 1.887+/-0.000 χ^2/NDF: 2469478879929.

yield_bpm0i01aY_rms vs Slug, Sign Corrected



Right In: 0.002+/-0.000 χ^2/NDF: 4300170.5/23

Left Out: 0.003+/-0.000 χ^2/NDF:1819921.4/24

Right Out: 0.002+/-0.000 χ^2/NDF: 4800949.4/28

Left In: 0.003+/-0.000 χ^2/NDF:2055631.9/22

Left: 0.003+/-0.000 χ^2/NDF: 3877180.3/47

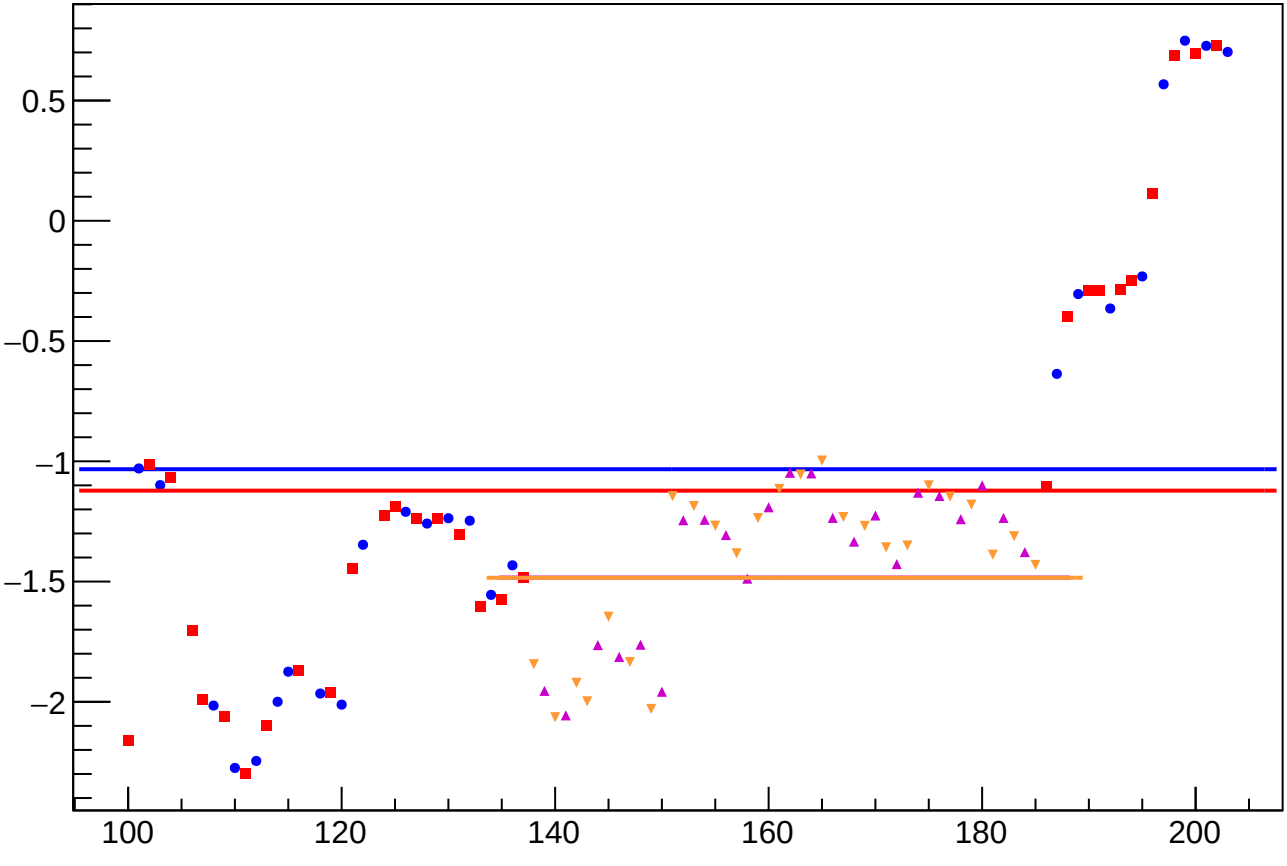
Right: 0.002+/-0.000 χ^2/NDF: 9111961.9/52

In: 0.003+/-0.000 χ^2/NDF:7756973.6/46

Out: 0.003+/-0.000 χ^2/NDF:7942080.7/53

All: 0.003+/-0.000 χ^2/NDF: 15711568.2/100

yield_bpm0l01X_mean vs Slug, Sign Corrected



Right In: -1.033+/-0.000 χ^2/NDF: 150352709631.6/23

Left Out: -1.484+/-0.000 χ^2/NDF:48438764764.6/24

Right Out: -1.122+/-0.000 χ^2/NDF: 174964767242.1/28

Left In: -1.483+/-0.000 χ^2/NDF:40353431150.9/22

Left: -1.484+/-0.000 χ^2/NDF: 88792333216.2/47

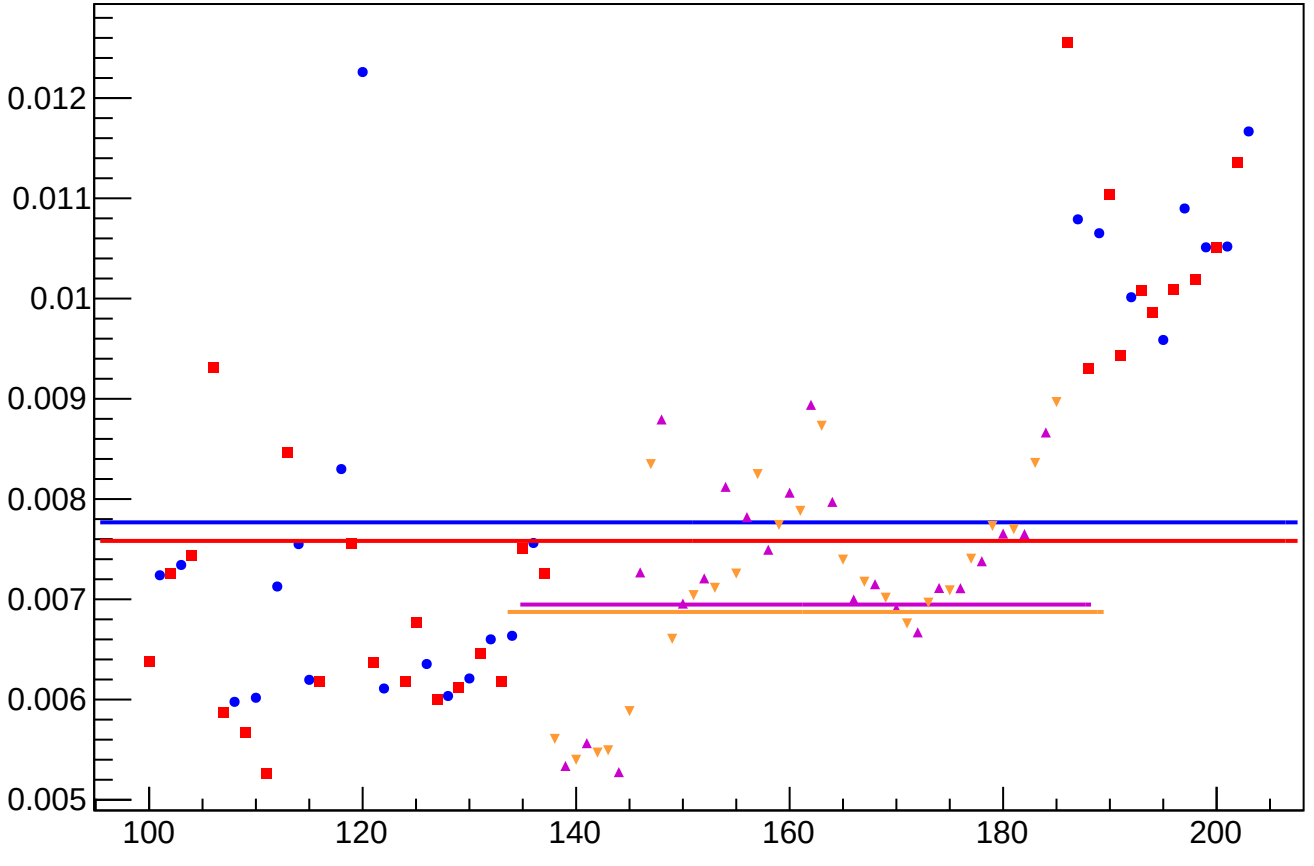
Right: -1.081+/-0.000 χ^2/NDF: 326150220979.3/52

In: -1.323+/-0.000 χ^2/NDF:216138531257.8/46

Out: -1.349+/-0.000 χ^2/NDF:242152950601.9/53

All: -1.337+/-0.000 χ^2/NDF: 458485041576.5

yield_bpm0l01X_rms vs Slug, Sign Corrected



Right In: 0.008+/-0.000 χ^2/NDF: 1330573.3/23

Left Out: 0.007+/-0.000 χ^2/NDF:745531.3/24

Right Out: 0.008+/-0.000 χ^2/NDF: 1590314.9/28

Left In: 0.007+/-0.000 χ^2/NDF:746731.6/22

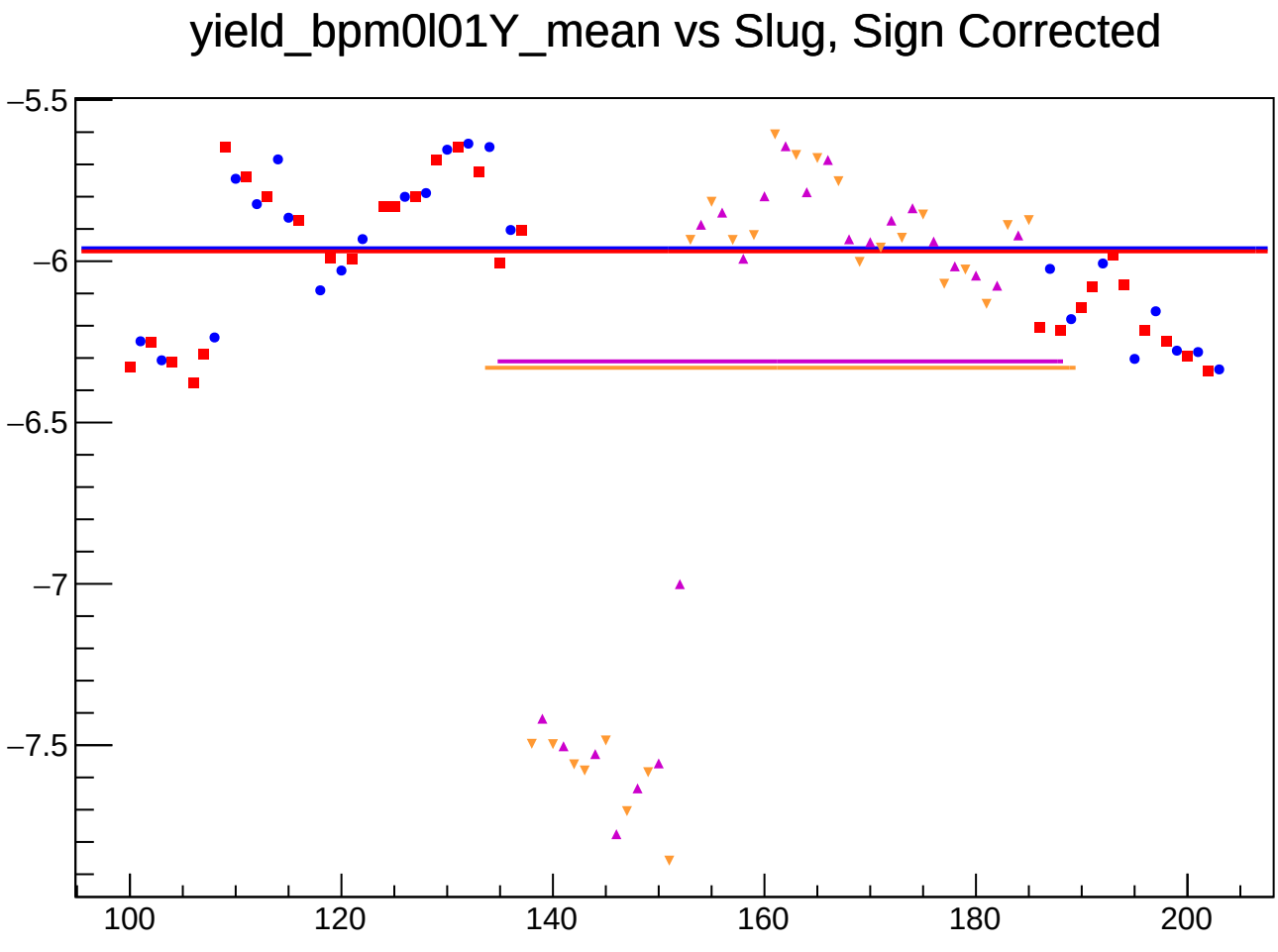
Left: 0.007+/-0.000 χ^2/NDF: 1494256.2/47

Right: 0.008+/-0.000 χ^2/NDF: 2928071.1/52

In: 0.007+/-0.000 χ^2/NDF:2245856.8/46

Out: 0.007+/-0.000 χ^2/NDF:2479369.1/53

All: 0.007+/-0.000 χ^2/NDF: 4731099.1/100



Right In: -5.960+/-0.000 χ^2/NDF: 14493478932.6/23

Left Out: -6.330+/-0.000 χ^2/NDF:110328634370.4/24

Right Out: -5.969+/-0.000 χ^2/NDF: 15350034062.2/28

Left In: -6.310+/-0.000 χ^2/NDF:91689184100.9/22

Left: -6.321+/-0.000 χ^2/NDF: 202054497687.3/47

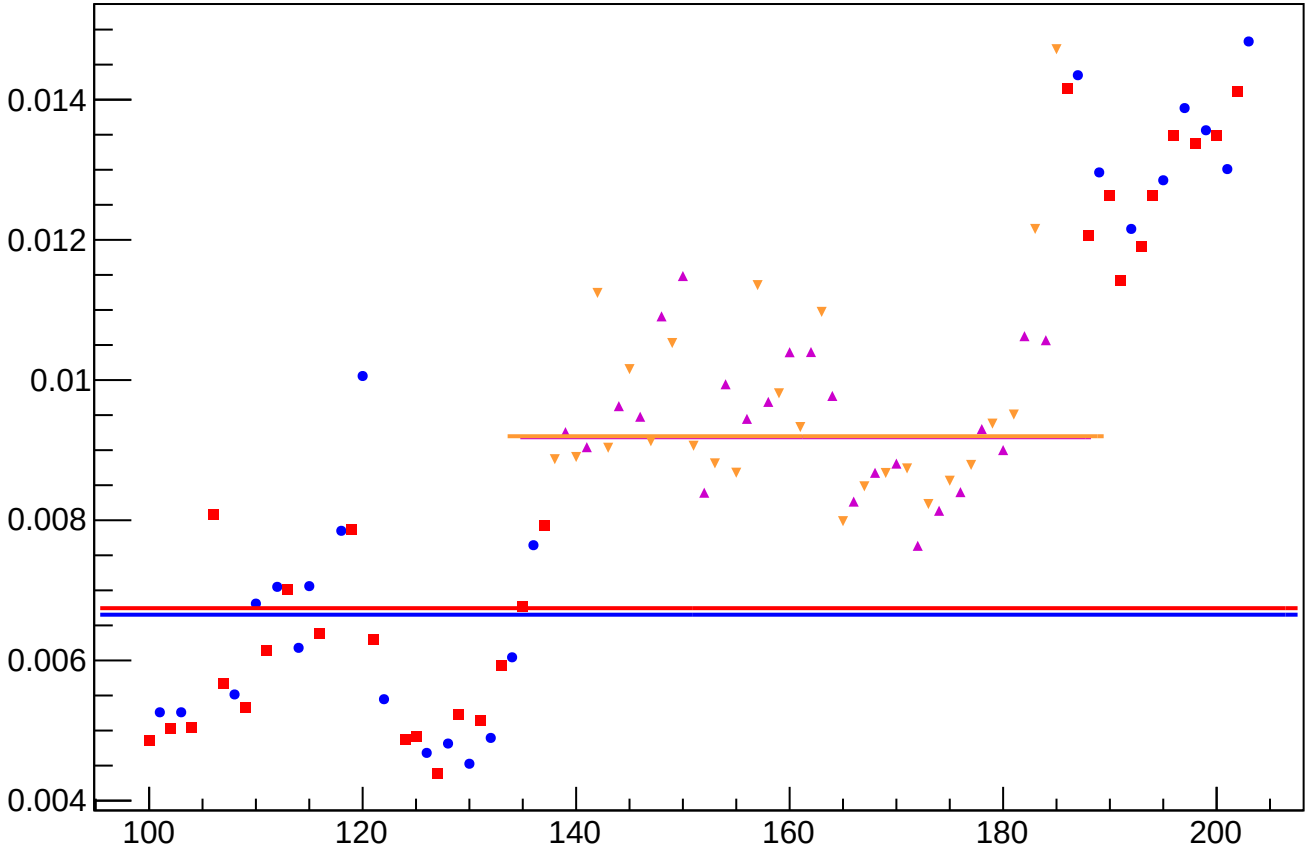
Right: -5.965+/-0.000 χ^2/NDF: 29854347114.1/52

In: -6.115+/-0.000 χ^2/NDF:118708474280.6/46

Out: -6.125+/-0.000 χ^2/NDF:139801431436.4/53

All: -6.120+/-0.000 χ^2/NDF: 258532482834.

yield_bpm0l01Y_rms vs Slug, Sign Corrected



Right In: 0.007+/-0.000 χ^2/NDF: 3855491.2/23

Left Out: 0.009+/-0.000 χ^2/NDF:367040.4/24

Right Out: 0.007+/-0.000 χ^2/NDF: 4110531.6/28

Left In: 0.009+/-0.000 χ^2/NDF:319063.5/22

Left: 0.009+/-0.000 χ^2/NDF: 686142.8/47

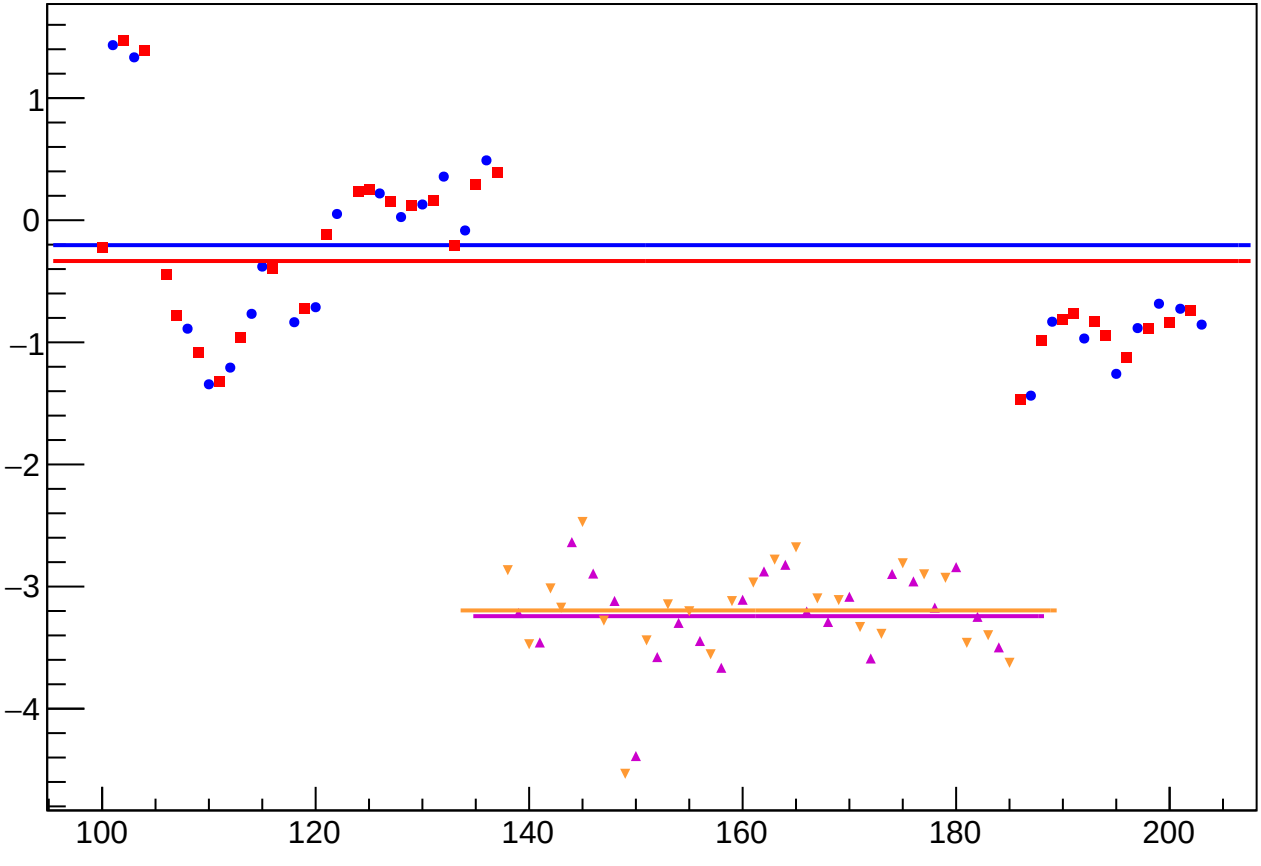
Right: 0.007+/-0.000 χ^2/NDF: 7968110.8/52

In: 0.008+/-0.000 χ^2/NDF:5481492.5/46

Out: 0.008+/-0.000 χ^2/NDF:5782805.3/53

All: 0.008+/-0.000 χ^2/NDF: 11264754.8/100

yield_bpm0l02X_mean vs Slug, Sign Corrected



Right In: -0.204+/-0.000 χ^2/NDF: 31471875379.8/23

Left Out: -3.195+/-0.000 χ^2/NDF:9538006171.4/24

Right Out: -0.334+/-0.000 χ^2/NDF: 33943880130.4/28

Left In: -3.242+/-0.000 χ^2/NDF:7955956403.6/22

Left: -3.218+/-0.000 χ^2/NDF: 17560435430.7/47

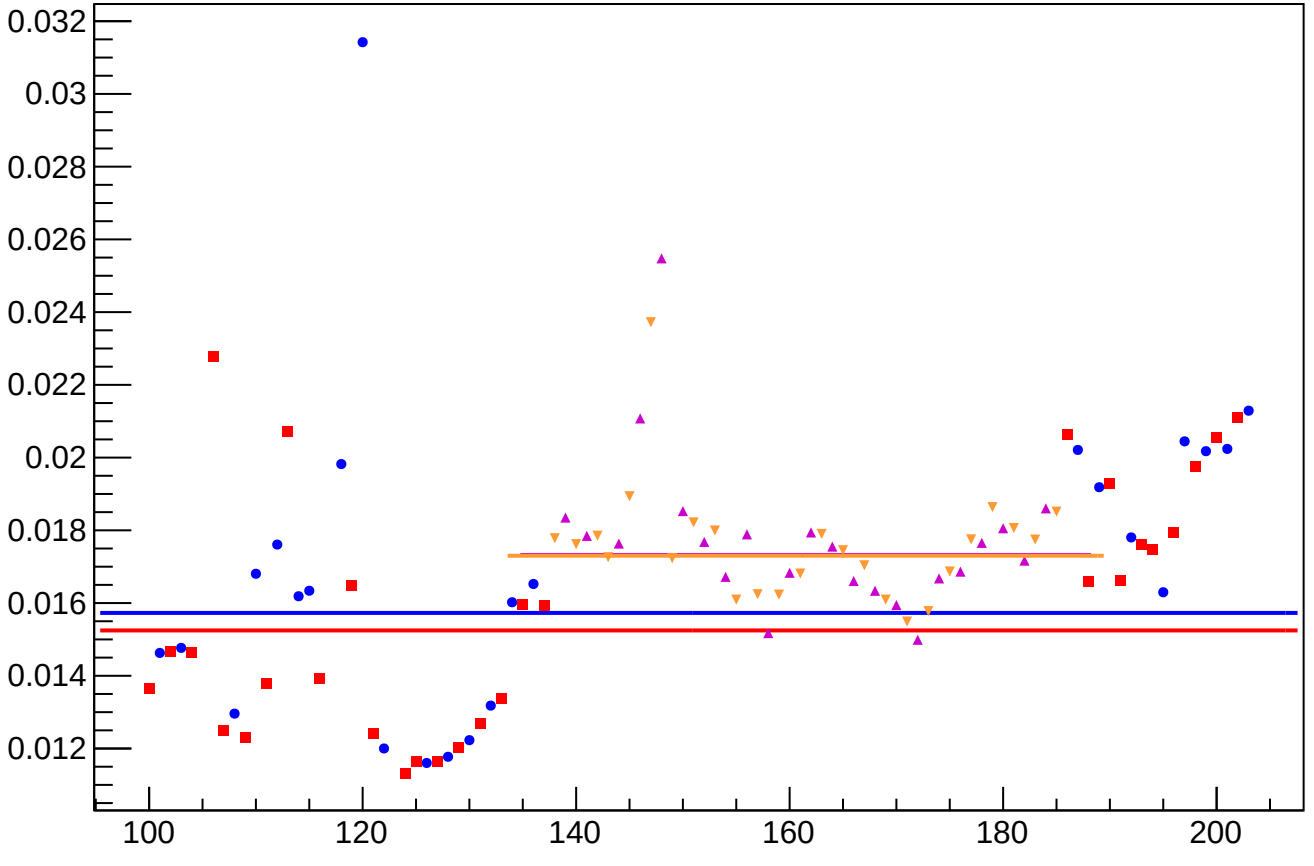
Right: -0.275+/-0.000 χ^2/NDF: 65855972870.3/52

In: -1.875+/-0.000 χ^2/NDF:282044669462.5/46

Out: -1.823+/-0.000 χ^2/NDF:287200077741.0/53

All: -1.848+/-0.000 χ^2/NDF: 569397060750.8

yield_bpm0l02X_rms vs Slug, Sign Corrected



Right In: 0.016+/-0.000 χ^2/NDF: 1085448.1/23

Left Out: 0.017+/-0.000 χ^2/NDF:218030.0/24

Right Out: 0.015+/-0.000 χ^2/NDF: 1066462.0/28

Left In: 0.017+/-0.000 χ^2/NDF:329879.6/22

Left: 0.017+/-0.000 χ^2/NDF: 547937.7/47

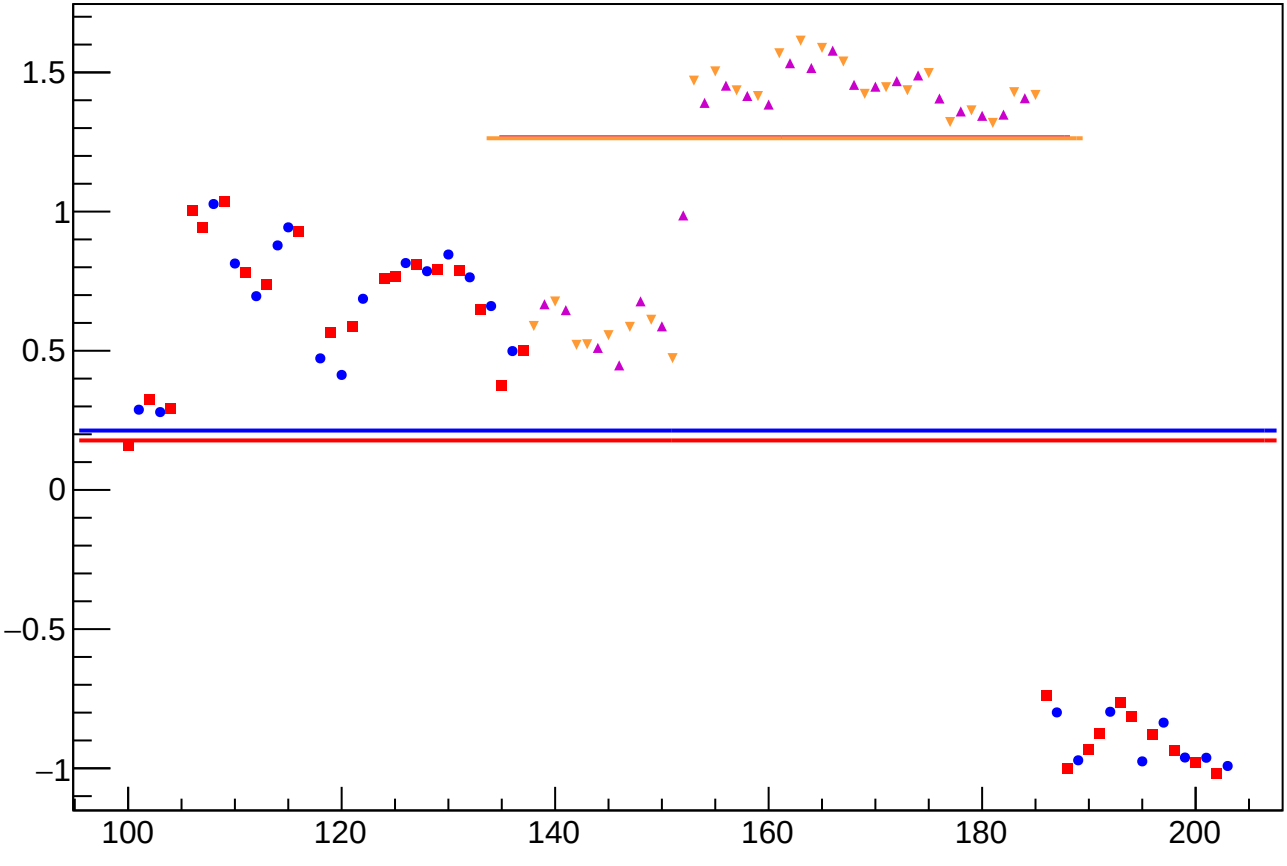
Right: 0.015+/-0.000 χ^2/NDF: 2164022.4/52

In: 0.017+/-0.000 χ^2/NDF:1548795.9/46

Out: 0.016+/-0.000 χ^2/NDF:1535720.3/53

All: 0.016+/-0.000 χ^2/NDF: 3093948.1/100

yield_bpm0l02Y_mean vs Slug, Sign Corrected



Right In: 0.213+/-0.000 χ^2/NDF: 63302560221.6/23

Left Out: 1.263+/-0.000 χ^2/NDF:45594559273.0/24

Right Out: 0.178+/-0.000 χ^2/NDF: 76708820402.6/28

Left In: 1.267+/-0.000 χ^2/NDF:37614918579.9/22

Left: 1.265+/-0.000 χ^2/NDF: 83211392403.2/47

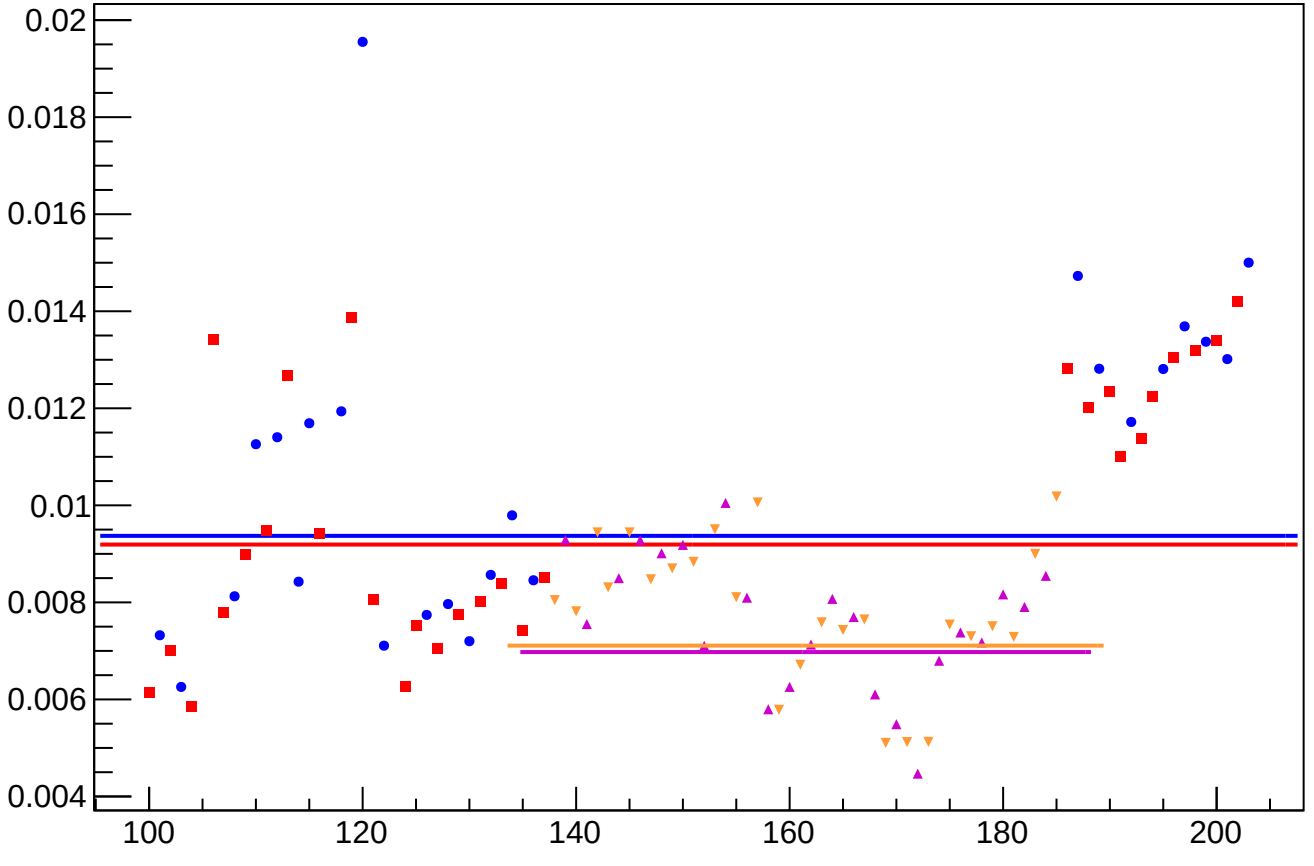
Right: 0.194+/-0.000 χ^2/NDF: 140097921188.8/52

In: 0.975+/-0.000 χ^2/NDF:203505411427.1/46

Out: 0.932+/-0.000 χ^2/NDF:243469315501.4/53

All: 0.953+/-0.000 χ^2/NDF: 447419040642.2

yield_bpm0l02Y_rms vs Slug, Sign Corrected



Right In: 0.009+/-0.000 χ^2/NDF: 1918687.4/23

Left Out: 0.007+/-0.000 χ^2/NDF:1519295.8/24

Right Out: 0.009+/-0.000 χ^2/NDF: 2048173.4/28

Left In: 0.007+/-0.000 χ^2/NDF:1457031.8/22

Left: 0.007+/-0.000 χ^2/NDF: 2982253.4/47

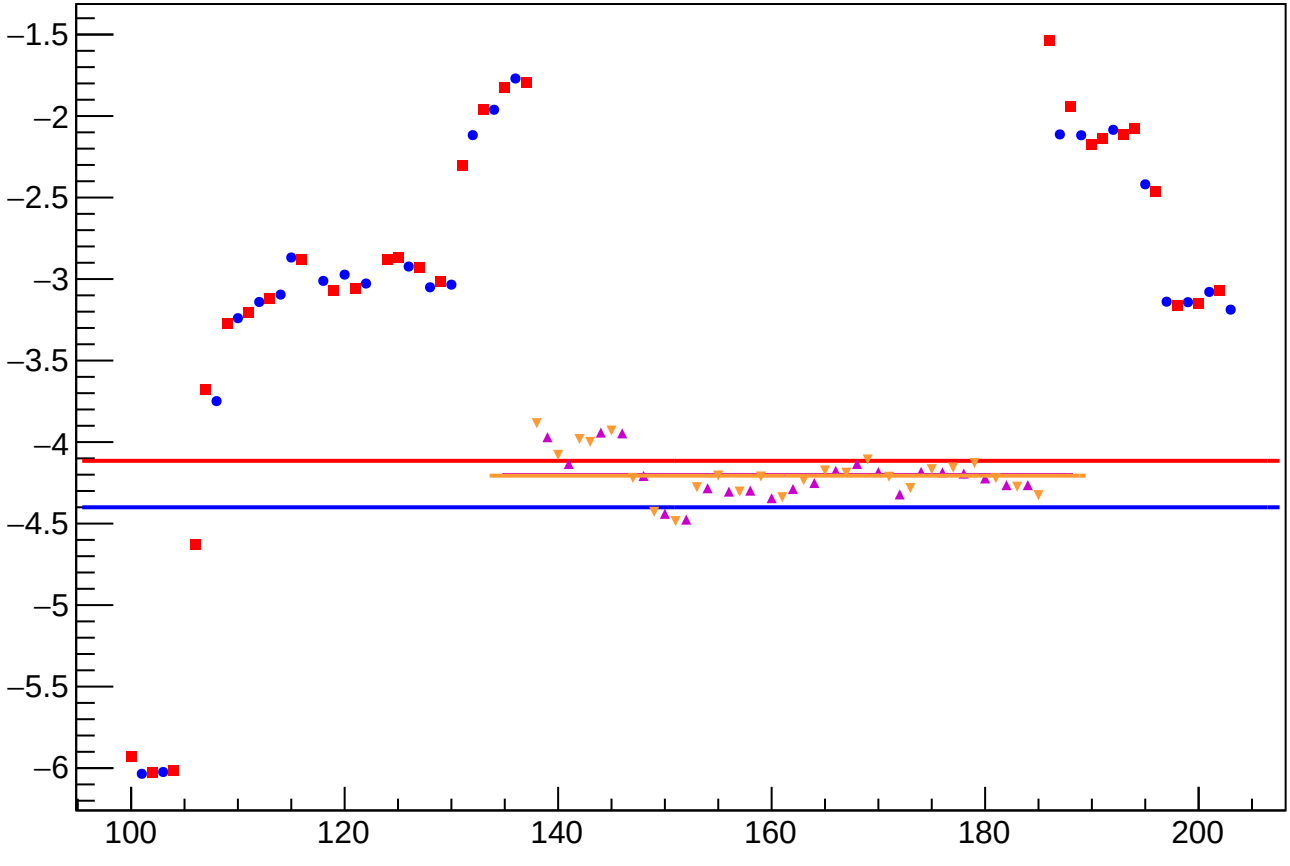
Right: 0.009+/-0.000 χ^2/NDF: 3971275.2/52

In: 0.008+/-0.000 χ^2/NDF:4435975.0/46

Out: 0.008+/-0.000 χ^2/NDF:4459142.5/53

All: 0.008+/-0.000 χ^2/NDF: 8900438.3/100

yield_bpm0l03X_mean vs Slug, Sign Corrected



Right In: -4.400+/-0.000 χ^2/NDF: 276035443860.0/23

Left Out: -4.206+/-0.000 χ^2/NDF:61558336.8/24

Right Out: -4.115+/-0.000 χ^2/NDF: 297604891419.7/28

Left In: -4.202+/-0.000 χ^2/NDF:42747893.4/22

Left: -4.203+/-0.000 χ^2/NDF: 104337107.5/47

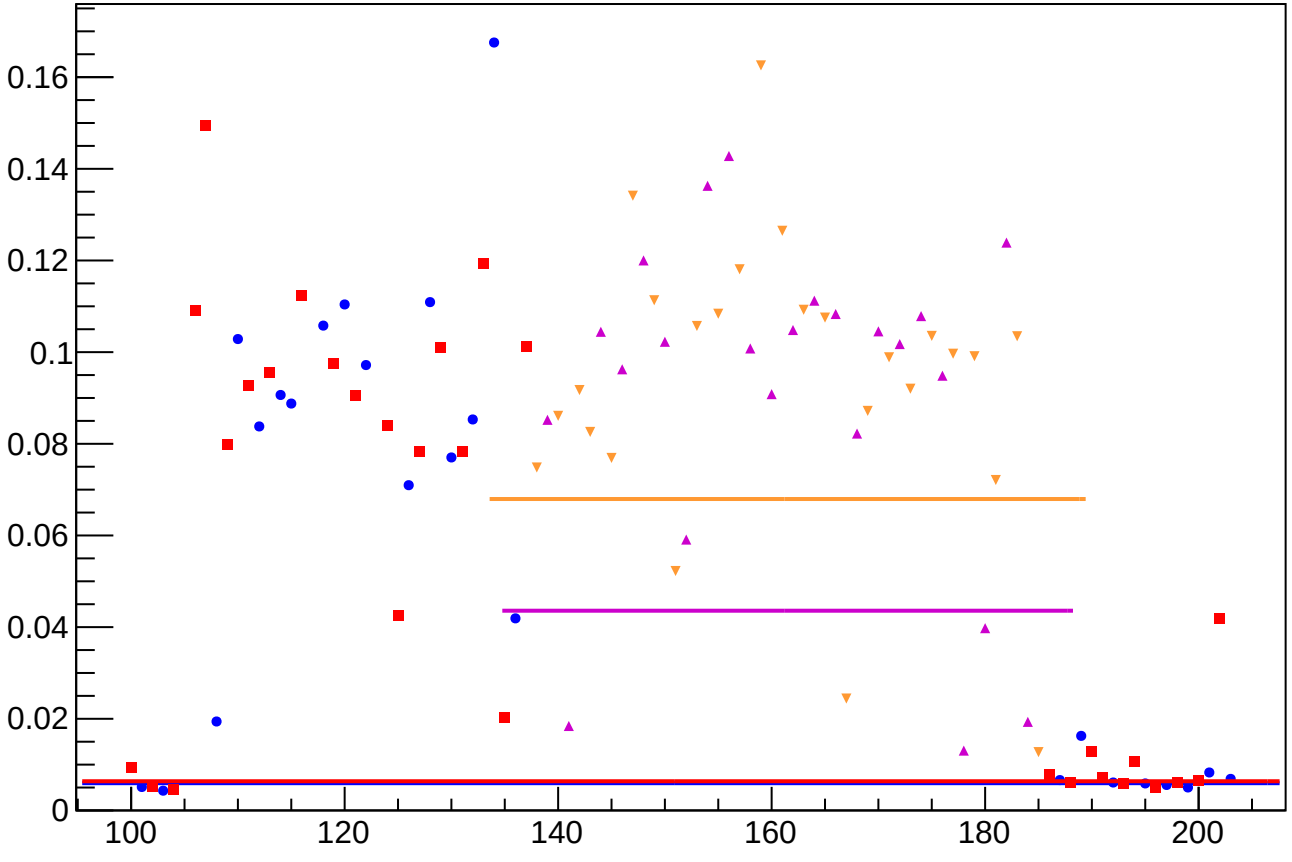
Right: -4.270+/-0.000 χ^2/NDF: 577421237908.4/52

In: -4.392+/-0.000 χ^2/NDF:276232945844.9/46

Out: -4.118+/-0.000 χ^2/NDF:297687837156.6/53

All: -4.267+/-0.000 χ^2/NDF: 577554239765.0

yield_bpm0l03X_rms vs Slug, Sign Corrected



Right In: 0.006+/-0.000 χ^2/NDF: 8874508.8/23

Left Out: 0.068+/-0.000 χ^2/NDF:7631751.0/24

Right Out: 0.006+/-0.000 χ^2/NDF: 9426292.6/28

Left In: 0.044+/-0.000 χ^2/NDF:12761920.2/22

Left: 0.053+/-0.000 χ^2/NDF: 22308835.8/47

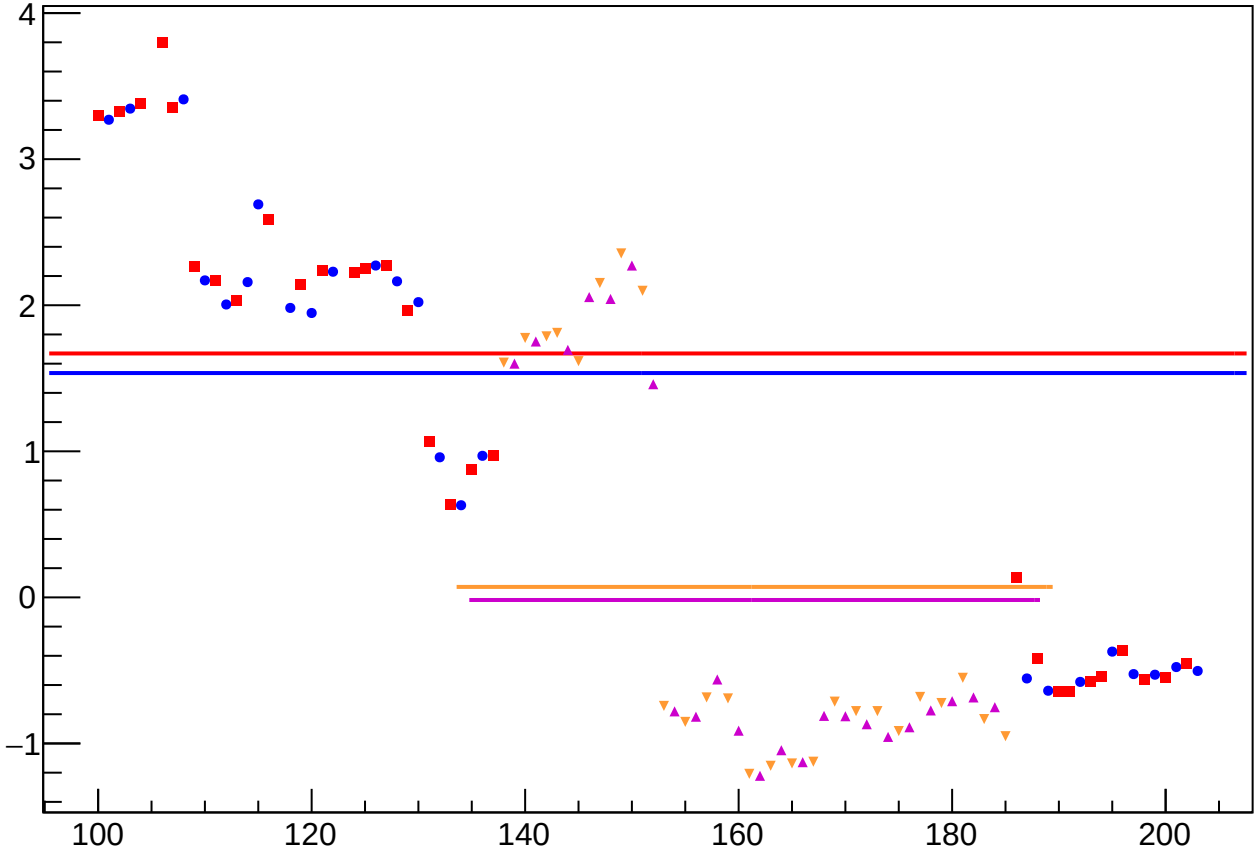
Right: 0.006+/-0.000 χ^2/NDF: 18317523.3/52

In: 0.007+/-0.000 χ^2/NDF:32777377.6/46

Out: 0.008+/-0.000 χ^2/NDF:36630890.1/53

All: 0.008+/-0.000 χ^2/NDF: 69473552.8/100

yield_bpm0l03Y_mean vs Slug, Sign Corrected



Right In: 1.536+/-0.000 χ^2/NDF: 204582846097.3/23

Left Out: 0.072+/-0.000 χ^2/NDF:3635027099.6/24

Right Out: 1.670+/-0.000 χ^2/NDF: 182193029145.9/28

Left In: -0.018+/-0.000 χ^2/NDF:3455714643.1/22

Left: 0.024+/-0.000 χ^2/NDF: 7099580100.2/47

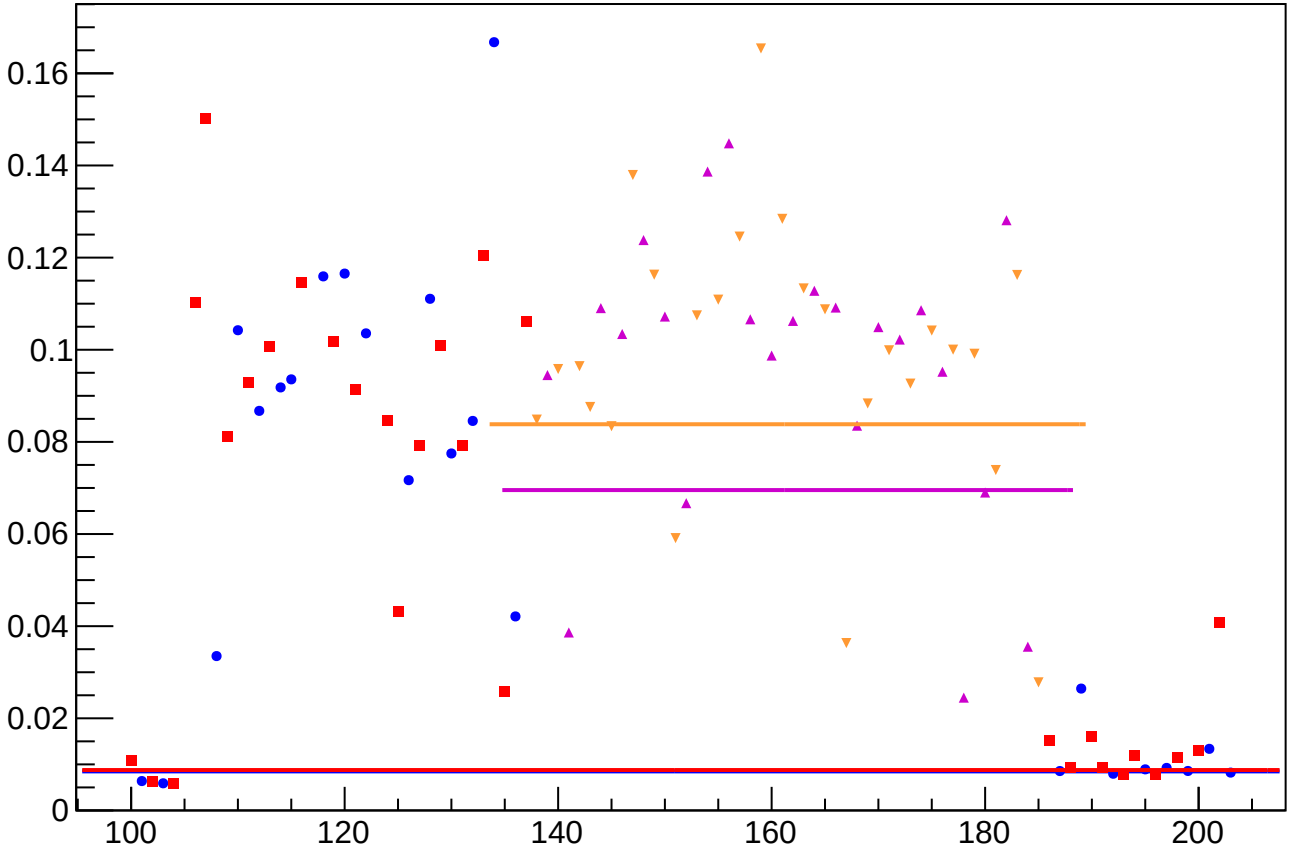
Right: 1.599+/-0.000 χ^2/NDF: 387263341142.9/52

In: 1.474+/-0.000 χ^2/NDF:213549127935.2/46

Out: 1.608+/-0.000 χ^2/NDF:190881401536.0/53

All: 1.538+/-0.000 χ^2/NDF: 404942277794.8

yield_bpm0l03Y_rms vs Slug, Sign Corrected



Right In: 0.008+/-0.000 χ^2/NDF: 8681444.2/23

Left Out: 0.084+/-0.000 χ^2/NDF:3830160.2/24

Right Out: 0.009+/-0.000 χ^2/NDF: 9234253.5/28

Left In: 0.070+/-0.000 χ^2/NDF:6697383.9/22

Left: 0.076+/-0.000 χ^2/NDF: 10977959.7/47

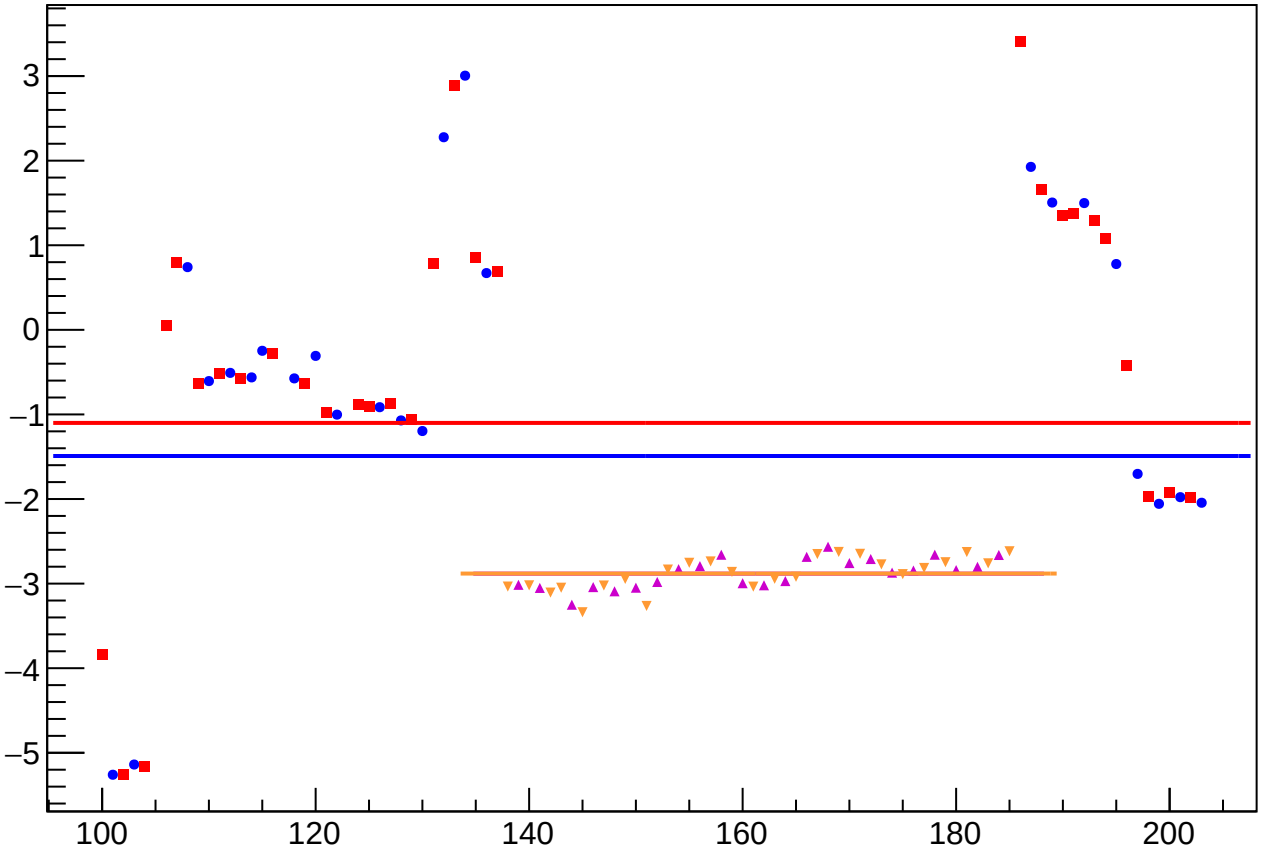
Right: 0.009+/-0.000 χ^2/NDF: 17920287.1/52

In: 0.011+/-0.000 χ^2/NDF:32403602.7/46

Out: 0.012+/-0.000 χ^2/NDF:35356344.5/53

All: 0.011+/-0.000 χ^2/NDF: 67790711.9/100

yield_bpm0l04X_mean vs Slug, Sign Corrected



Right In: -1.491+/-0.000 χ^2/NDF: 207707145446.9/23

Left Out: -2.881+/-0.000 χ^2/NDF:10553050715.1/24

Right Out: -1.100+/-0.000 χ^2/NDF: 234042687475.8/28

Left In: -2.882+/-0.000 χ^2/NDF:8300047325.0/22

Left: -2.882+/-0.000 χ^2/NDF: 18853297310.6/47

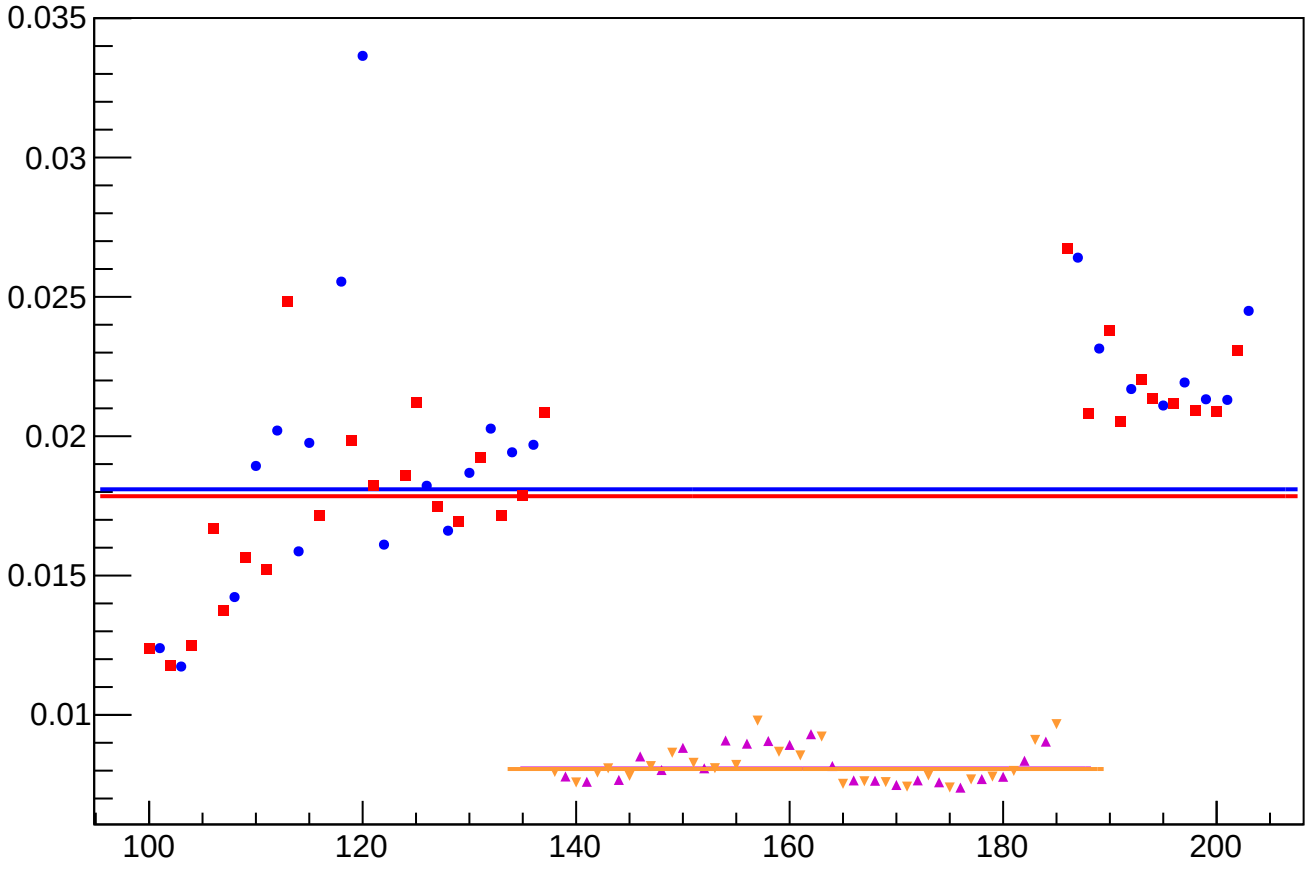
Right: -1.280+/-0.000 χ^2/NDF: 444598757590.3/52

In: -2.724+/-0.000 χ^2/NDF:275131042799.8/46

Out: -2.659+/-0.000 χ^2/NDF:356948685308.5/53

All: -2.690+/-0.000 χ^2/NDF: 632730992264.5

yield_bpm0l04X_rms vs Slug, Sign Corrected



Right In: 0.018+/-0.000 χ^2/NDF: 1334161.5/23

Left Out: 0.008+/-0.000 χ^2/NDF:185446.1/24

Right Out: 0.018+/-0.000 χ^2/NDF: 1210471.7/28

Left In: 0.008+/-0.000 χ^2/NDF:181843.4/22

Left: 0.008+/-0.000 χ^2/NDF: 367394.9/47

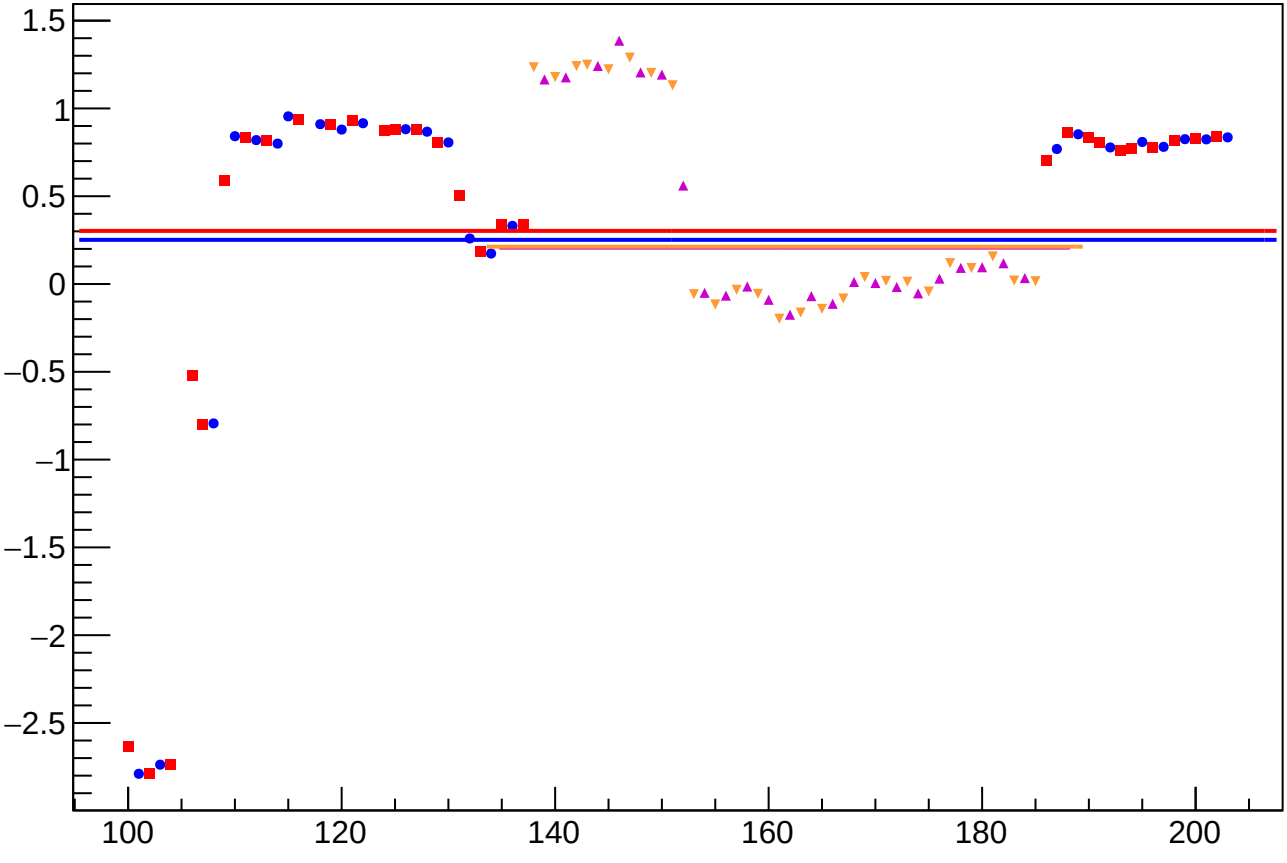
Right: 0.018+/-0.000 χ^2/NDF: 2546925.2/52

In: 0.009+/-0.000 χ^2/NDF:7649139.5/46

Out: 0.009+/-0.000 χ^2/NDF:8185257.4/53

All: 0.009+/-0.000 χ^2/NDF: 15835436.5/100

yield_bpm0l04Y_mean vs Slug, Sign Corrected



Right In: 0.252+/-0.000 χ^2/NDF: 941596844725.0/23

Left Out: 0.213+/-0.000 χ^2/NDF:102819241186.2/24

Right Out: 0.303+/-0.000 χ^2/NDF: 1033790318838.5/28

Left In: 0.207+/-0.000 χ^2/NDF:87109076861.7/22

Left: 0.210+/-0.000 χ^2/NDF: 189934243300.6/47

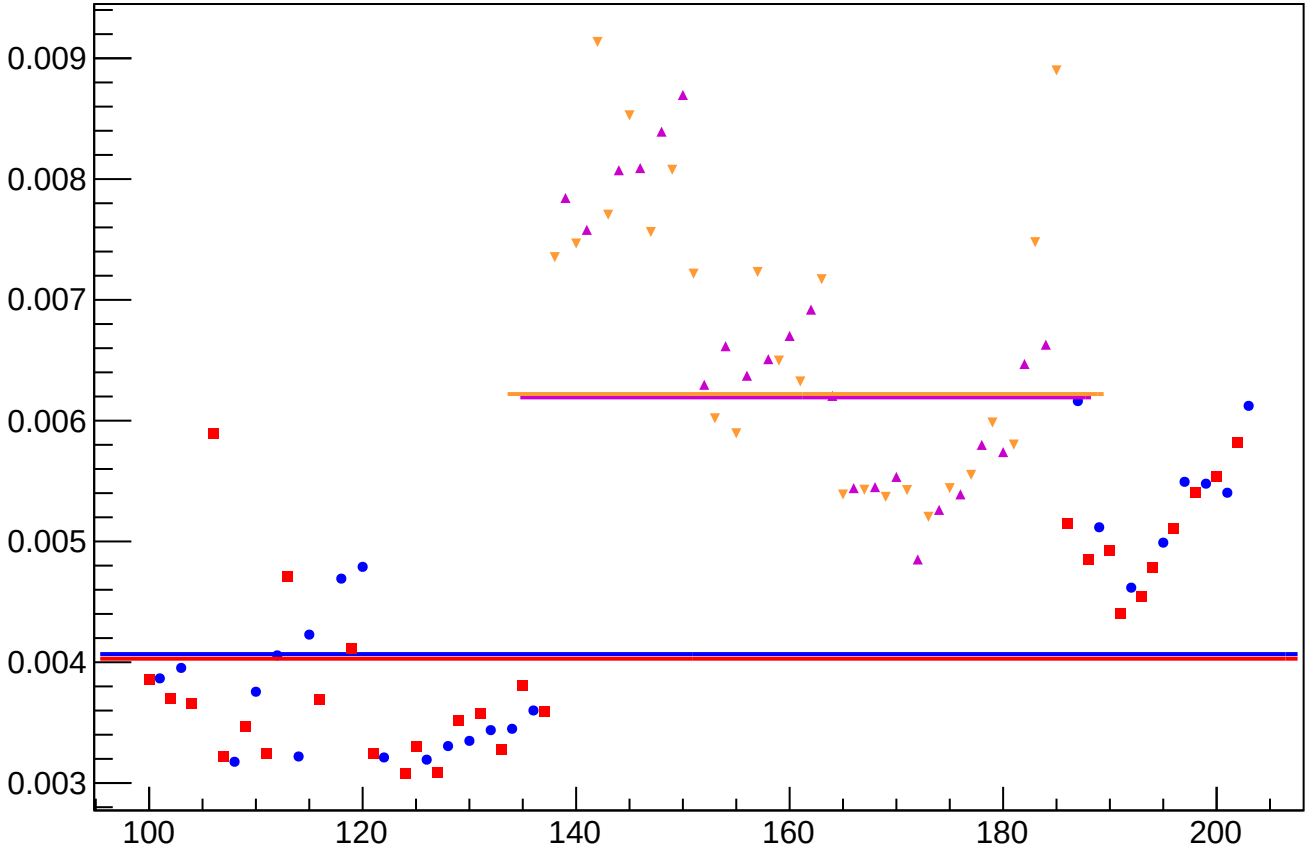
Right: 0.279+/-0.000 χ^2/NDF: 1976393500383.1/52

In: 0.236+/-0.000 χ^2/NDF:1029219373627.9/46

Out: 0.272+/-0.000 χ^2/NDF:1138893438250.3/53

All: 0.255+/-0.000 χ^2/NDF: 2168895980767.

yield_bpm0l04Y_rms vs Slug, Sign Corrected



Right In: 0.004+/-0.000 χ^2/NDF: 1091976.0/23

Left Out: 0.006+/-0.000 χ^2/NDF:813678.9/24

Right Out: 0.004+/-0.000 χ^2/NDF: 1135021.9/28

Left In: 0.006+/-0.000 χ^2/NDF:816234.4/22

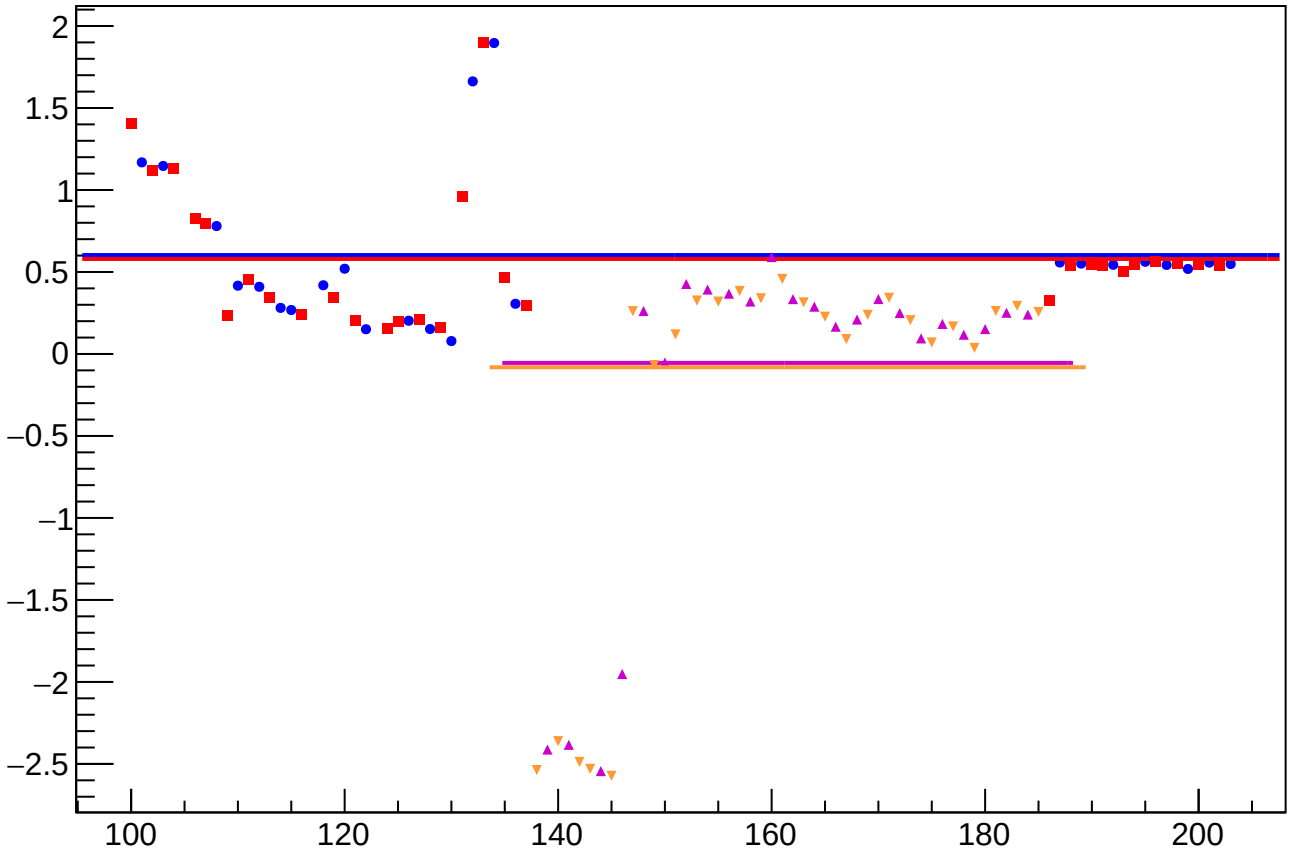
Left: 0.006+/-0.000 χ^2/NDF: 1630235.5/47

Right: 0.004+/-0.000 χ^2/NDF: 2228114.6/52

In: 0.005+/-0.000 χ^2/NDF:4288735.9/46

Out: 0.005+/-0.000 χ^2/NDF:4663934.7/53

All: 0.005+/-0.000 χ^2/NDF: 8956505.0/100



Right In: 0.603+/-0.000 χ^2/NDF: 43672362097.6/23

Left Out: -0.081+/-0.000 χ^2/NDF:388332231902.9/24

Right Out: 0.579+/-0.000 χ^2/NDF: 43672221276.6/28

Left In: -0.055+/-0.000 χ^2/NDF:347072248163.0/22

Left: -0.068+/-0.000 χ^2/NDF: 735579885262.1/47

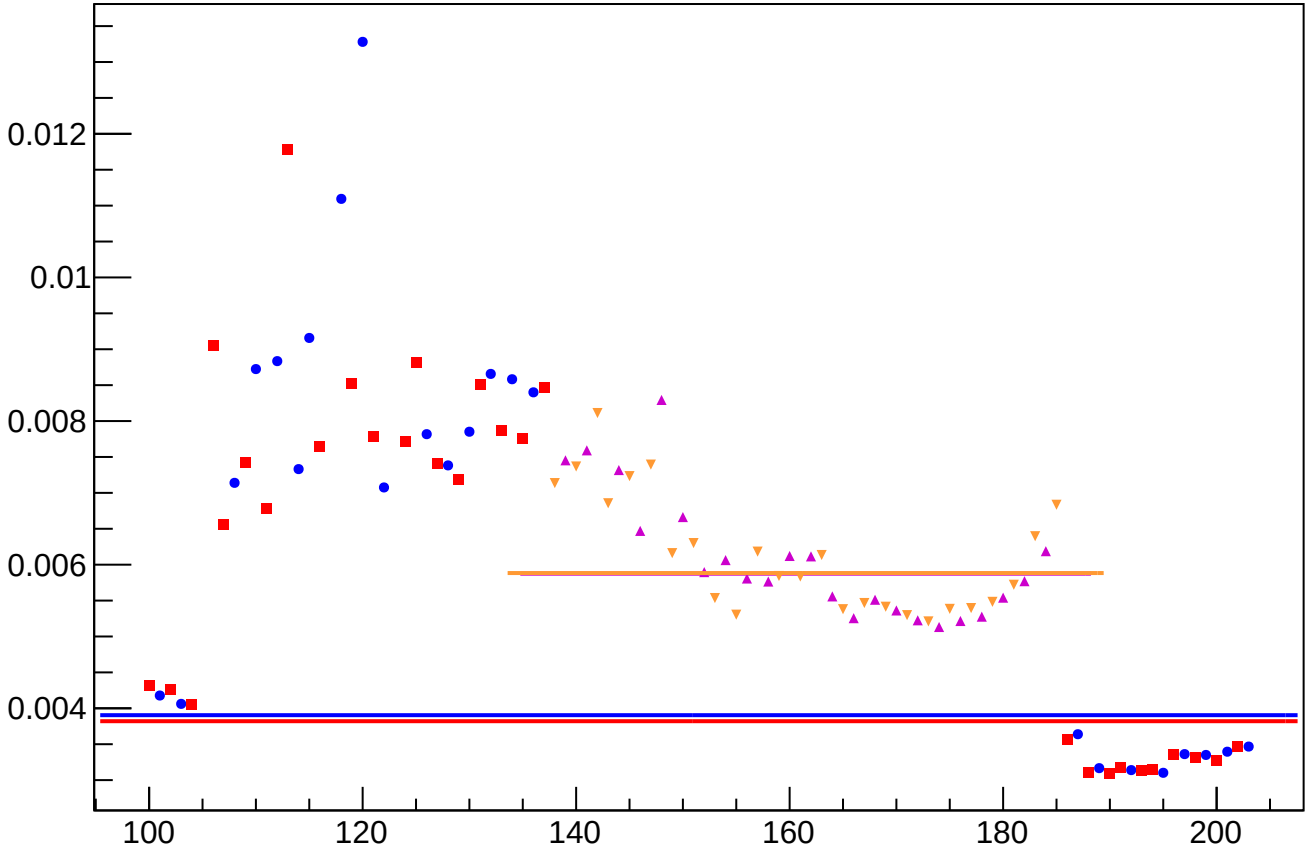
Right: 0.590+/-0.000 χ^2/NDF: 87552996938.3/52

In: 0.330+/-0.000 χ^2/NDF:513190462301.5/46

Out: 0.325+/-0.000 χ^2/NDF:567935691059.1/53

All: 0.327+/-0.000 χ^2/NDF: 1081138624166.

yield_bpm0l05X_rms vs Slug, Sign Corrected



Right In: 0.004+/-0.000 χ^2/NDF: 3387356.7/23

Left Out: 0.006+/-0.000 χ^2/NDF:457789.1/24

Right Out: 0.004+/-0.000 χ^2/NDF: 3396073.1/28

Left In: 0.006+/-0.000 χ^2/NDF:521878.3/22

Left: 0.006+/-0.000 χ^2/NDF: 979706.0/47

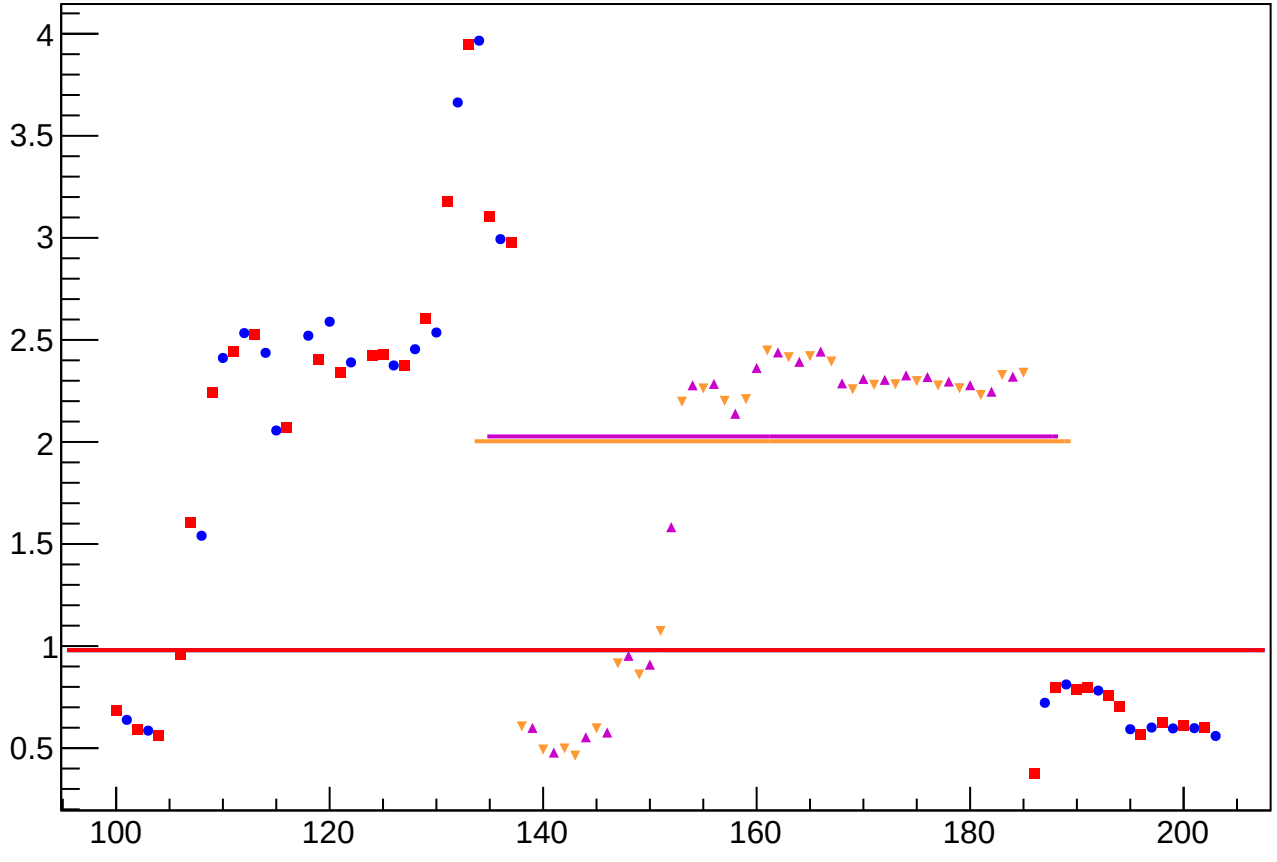
Right: 0.004+/-0.000 χ^2/NDF: 6788638.2/52

In: 0.005+/-0.000 χ^2/NDF:6107104.4/46

Out: 0.005+/-0.000 χ^2/NDF:6505873.4/53

All: 0.005+/-0.000 χ^2/NDF: 12627714.9/100

yield_bpm0l05Y_mean vs Slug, Sign Corrected



Right In: 0.980+/-0.000 χ^2/NDF: 227917600849.4/23

Left Out: 2.004+/-0.000 χ^2/NDF:219172813454.7/24

Right Out: 0.980+/-0.000 χ^2/NDF: 257635567188.6/28

Left In: 2.027+/-0.000 χ^2/NDF:194461333084.6/22

Left: 2.015+/-0.000 χ^2/NDF: 413784920453.7/47

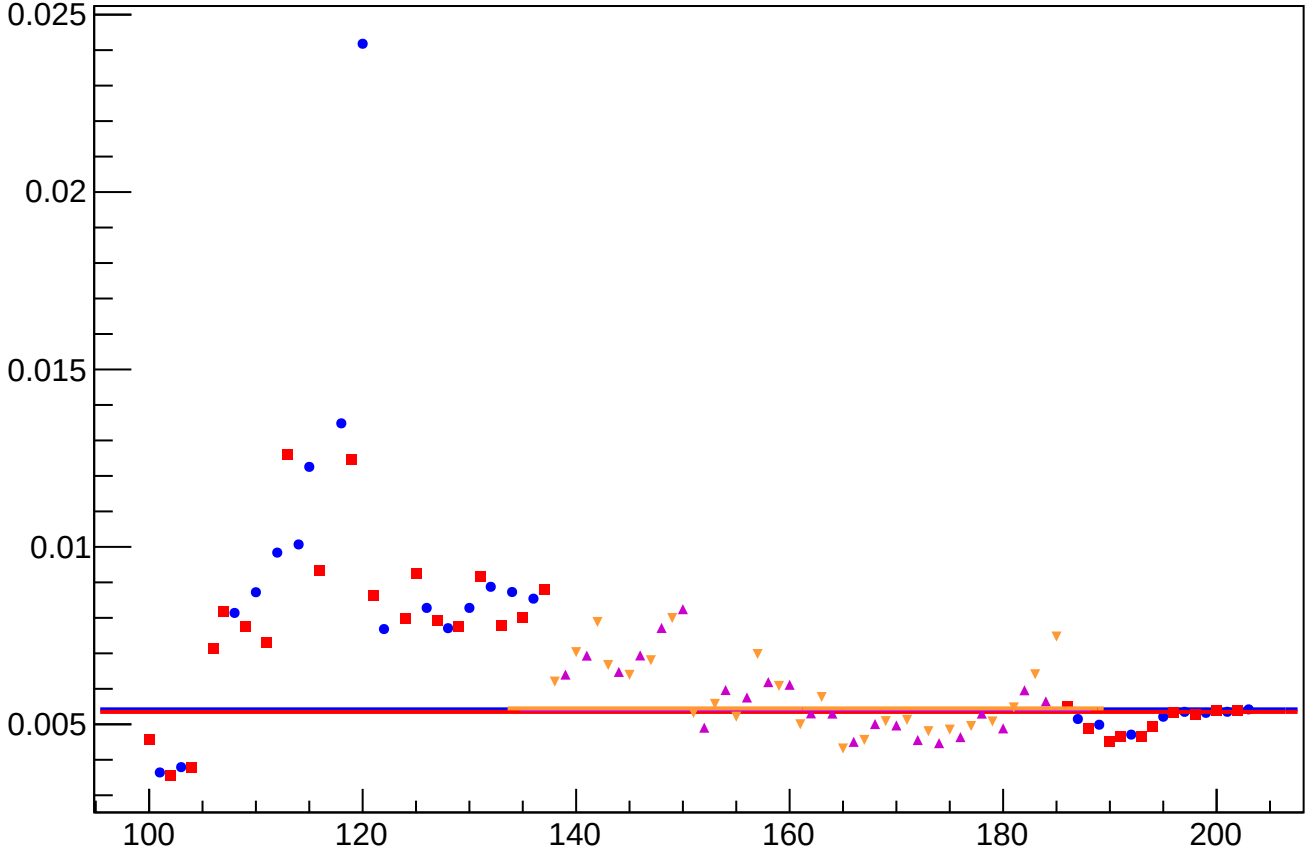
Right: 0.980+/-0.000 χ^2/NDF: 485553206895.9/52

In: 1.601+/-0.000 χ^2/NDF:659777683322.4/46

Out: 1.556+/-0.000 χ^2/NDF:729140416620.3/53

All: 1.578+/-0.000 χ^2/NDF: 1389831245686.

yield_bpm0l05Y_rms vs Slug, Sign Corrected



Right In: 0.005+/-0.000 χ^2/NDF: 2307210.9/23

Left Out: 0.005+/-0.000 χ^2/NDF:771417.6/24

Right Out: 0.005+/-0.000 χ^2/NDF: 2124571.2/28

Left In: 0.005+/-0.000 χ^2/NDF:815136.5/22

Left: 0.005+/-0.000 χ^2/NDF: 1587605.4/47

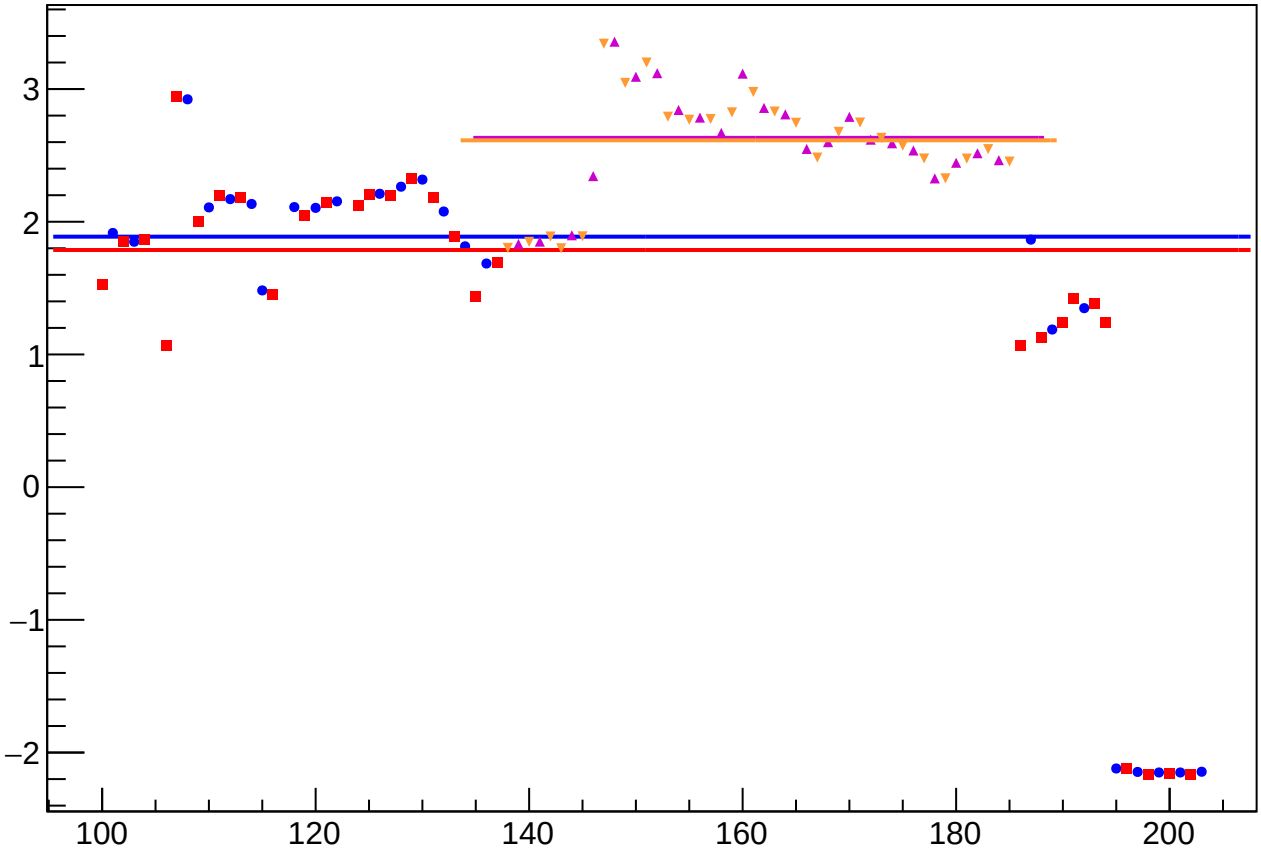
Right: 0.005+/-0.000 χ^2/NDF: 4433875.7/52

In: 0.005+/-0.000 χ^2/NDF:3122470.2/46

Out: 0.005+/-0.000 χ^2/NDF:2900819.3/53

All: 0.005+/-0.000 χ^2/NDF: 6023329.5/100

yield_bpm0l06X_mean vs Slug, Sign Corrected



Right In: 1.888+/-0.000 χ^2/NDF: 115836437845.6/23

Left Out: 2.614+/-0.000 χ^2/NDF:46402554271.4/24

Right Out: 1.787+/-0.000 χ^2/NDF: 106482879158.0/28

Left In: 2.632+/-0.000 χ^2/NDF:40551967819.7/22

Left: 2.623+/-0.000 χ^2/NDF: 87009327498.9/47

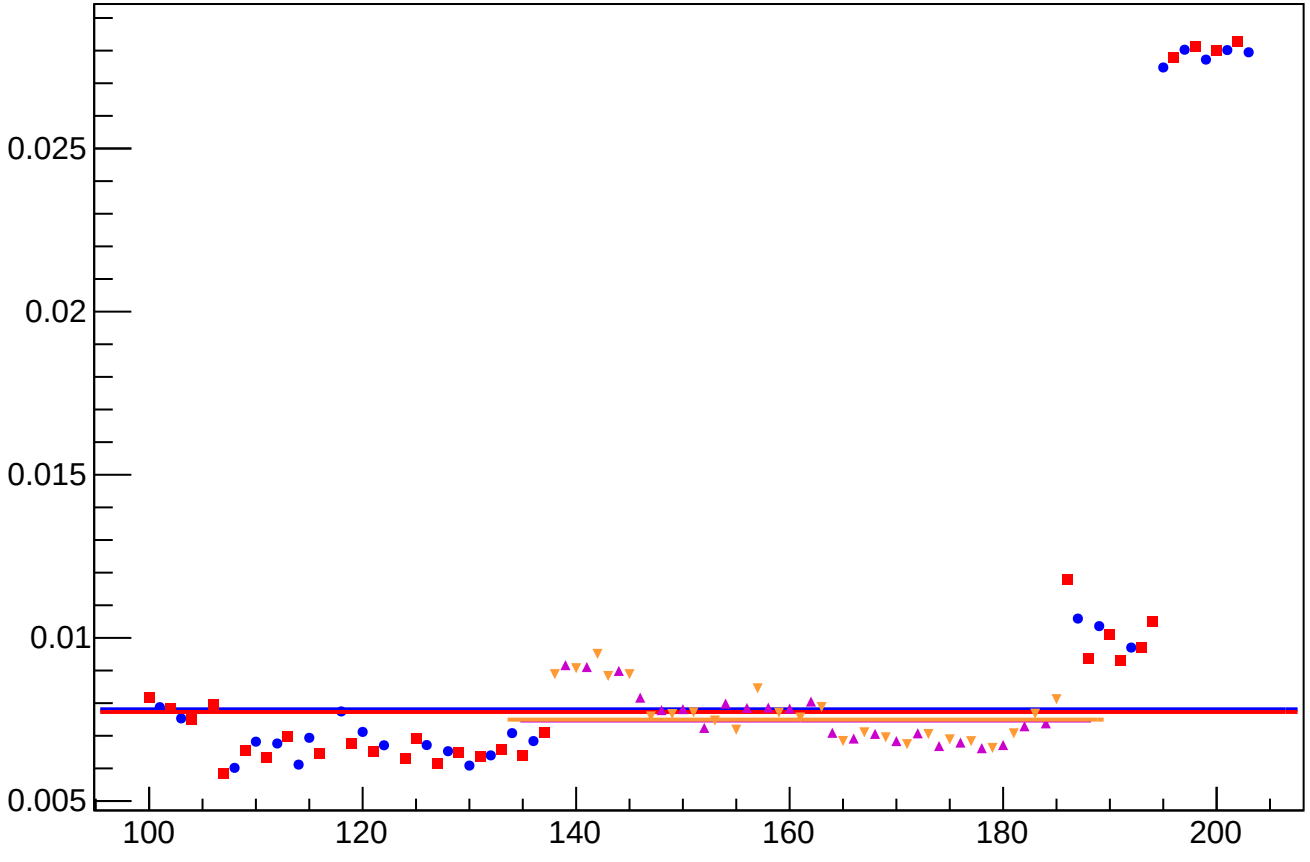
Right: 1.833+/-0.000 χ^2/NDF: 223241289487.0/52

In: 2.370+/-0.000 χ^2/NDF:217016411109.0/46

Out: 2.299+/-0.000 χ^2/NDF:236874179167.4/53

All: 2.333+/-0.000 χ^2/NDF: 455147470451.6

yield_bpm0l06X_rms vs Slug, Sign Corrected



Right In: 0.008+/-0.000 χ^2/NDF: 4982764.8/23

Left Out: 0.007+/-0.000 χ^2/NDF:332673.2/24

Right Out: 0.008+/-0.000 χ^2/NDF: 4410881.0/28

Left In: 0.007+/-0.000 χ^2/NDF:321914.4/22

Left: 0.007+/-0.000 χ^2/NDF: 654825.5/47

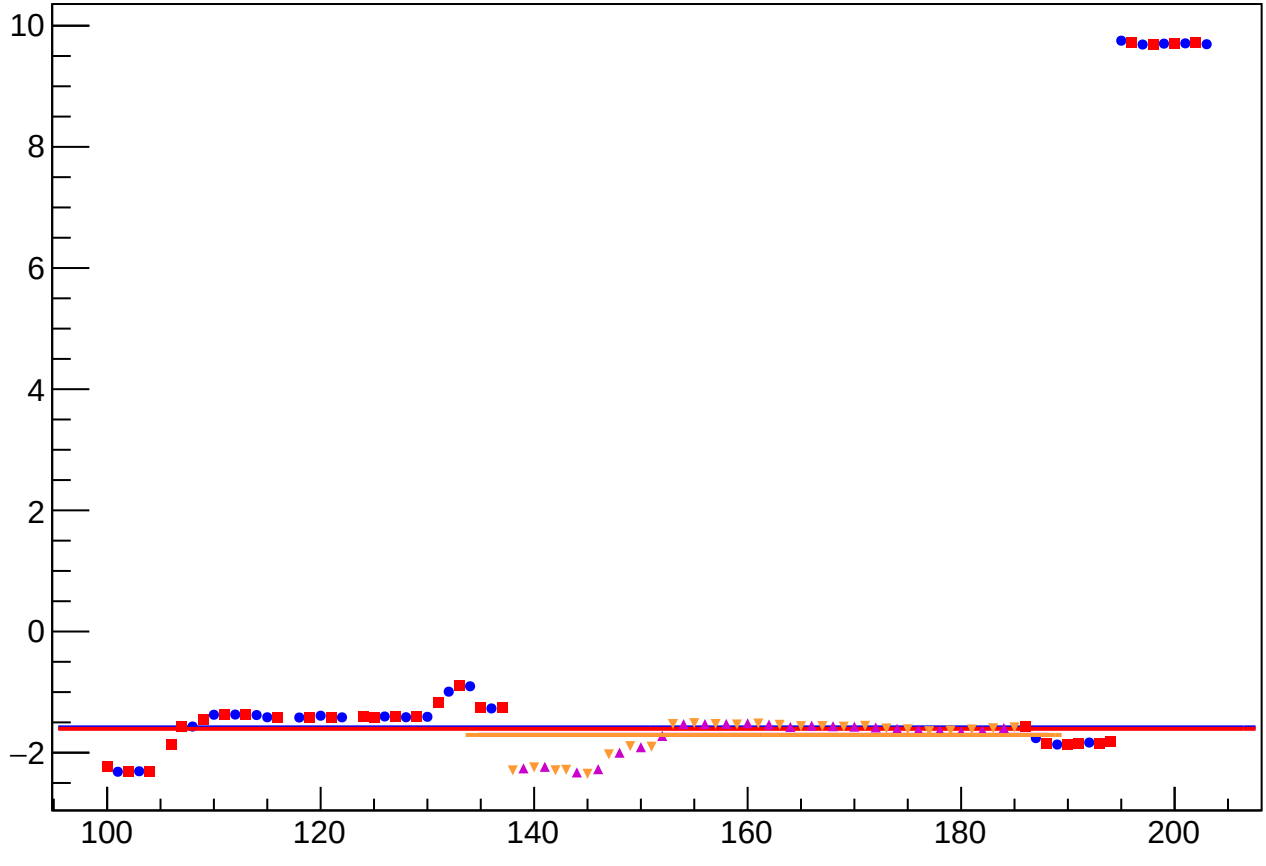
Right: 0.008+/-0.000 χ^2/NDF: 9394850.7/52

In: 0.008+/-0.000 χ^2/NDF:5330496.6/46

Out: 0.008+/-0.000 χ^2/NDF:4757123.3/53

All: 0.008+/-0.000 χ^2/NDF: 10087628.7/100

yield_bpm0l06Y_mean vs Slug, Sign Corrected



Right In: -1.582+/-0.000 χ^2/NDF: 331744848132.5/23

Left Out: -1.708+/-0.000 χ^2/NDF:151845502556.2/24

Right Out: -1.606+/-0.000 χ^2/NDF: 311645301327.3/28

Left In: -1.705+/-0.000 χ^2/NDF:136540618081.0/22

Left: -1.707+/-0.000 χ^2/NDF: 288391574261.0/47

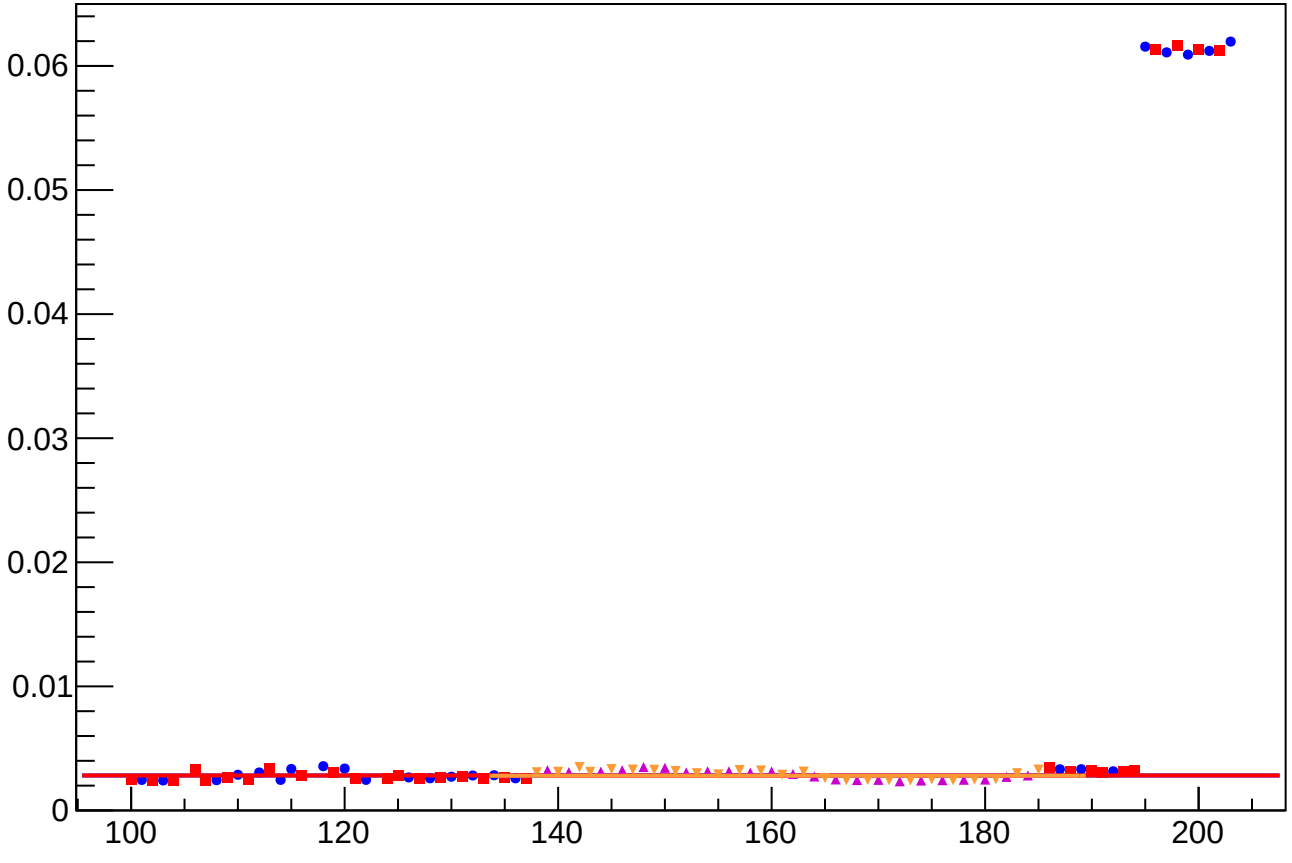
Right: -1.595+/-0.000 χ^2/NDF: 643726736493.5/52

In: -1.664+/-0.000 χ^2/NDF:479353165514.7/46

Out: -1.670+/-0.000 χ^2/NDF:472164135869.2/53

All: -1.668+/-0.000 χ^2/NDF: 951574795955.5

yield_bpm0l06Y_rms vs Slug, Sign Corrected



Right In: 0.003+/-0.000 χ^2/NDF: 8070900.9/23

Left Out: 0.003+/-0.000 χ^2/NDF:547758.3/24

Right Out: 0.003+/-0.000 χ^2/NDF: 6529541.3/28

Left In: 0.003+/-0.000 χ^2/NDF:557113.5/22

Left: 0.003+/-0.000 χ^2/NDF: 1105212.9/47

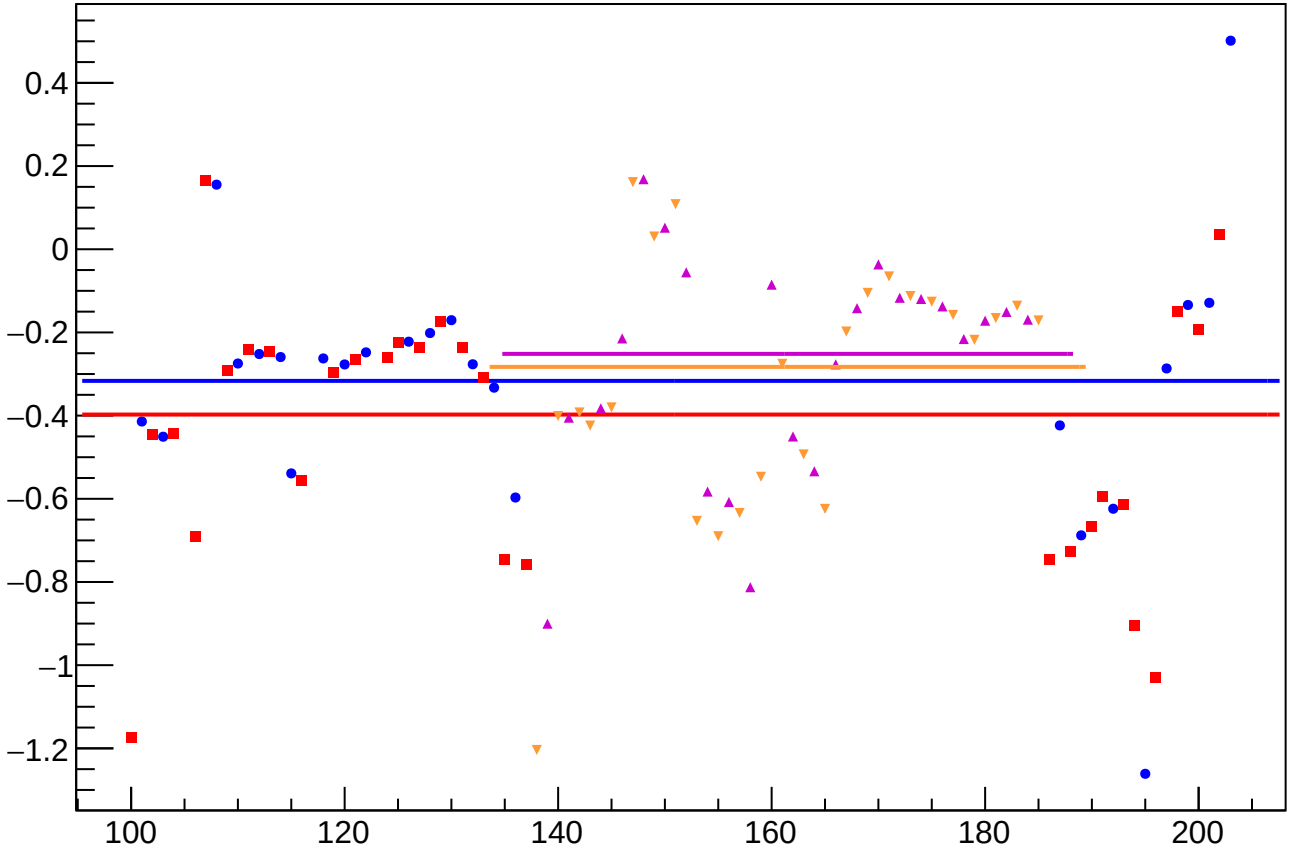
Right: 0.003+/-0.000 χ^2/NDF: 14600447.0/52

In: 0.003+/-0.000 χ^2/NDF:8629632.1/46

Out: 0.003+/-0.000 χ^2/NDF:7078184.3/53

All: 0.003+/-0.000 χ^2/NDF: 15708141.1/100

yield_bpm0l07X_mean vs Slug, Sign Corrected



Right In: -0.316+/-0.000 χ^2/NDF: 6375690112.1/23

Left Out: -0.283+/-0.000 χ^2/NDF:9343511244.8/24

Right Out: -0.397+/-0.000 χ^2/NDF: 6198842886.5/28

Left In: -0.252+/-0.000 χ^2/NDF:7167367678.6/22

Left: -0.267+/-0.000 χ^2/NDF: 16567222880.0/47

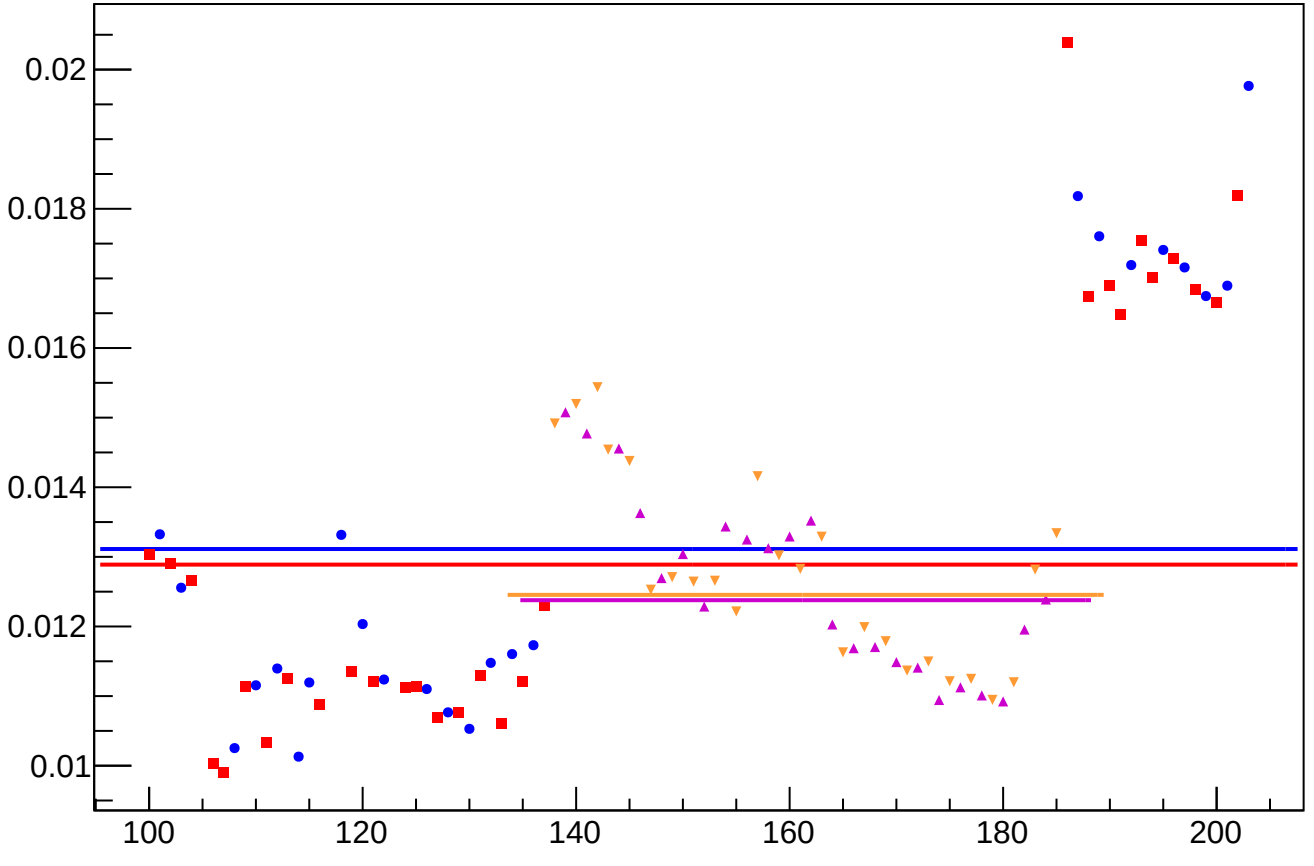
Right: -0.360+/-0.000 χ^2/NDF: 12824259298.0/52

In: -0.277+/-0.000 χ^2/NDF:13727246541.8/46

Out: -0.330+/-0.000 χ^2/NDF:16176078110.3/53

All: -0.304+/-0.000 χ^2/NDF: 30173760439.0/

yield_bpm0l07X_rms vs Slug, Sign Corrected



Right In: 0.013+/-0.000 χ^2/NDF: 1101353.3/23

Left Out: 0.012+/-0.000 χ^2/NDF:341430.5/24

Right Out: 0.013+/-0.000 χ^2/NDF: 1331233.0/28

Left In: 0.012+/-0.000 χ^2/NDF:326925.9/22

Left: 0.012+/-0.000 χ^2/NDF: 669035.7/47

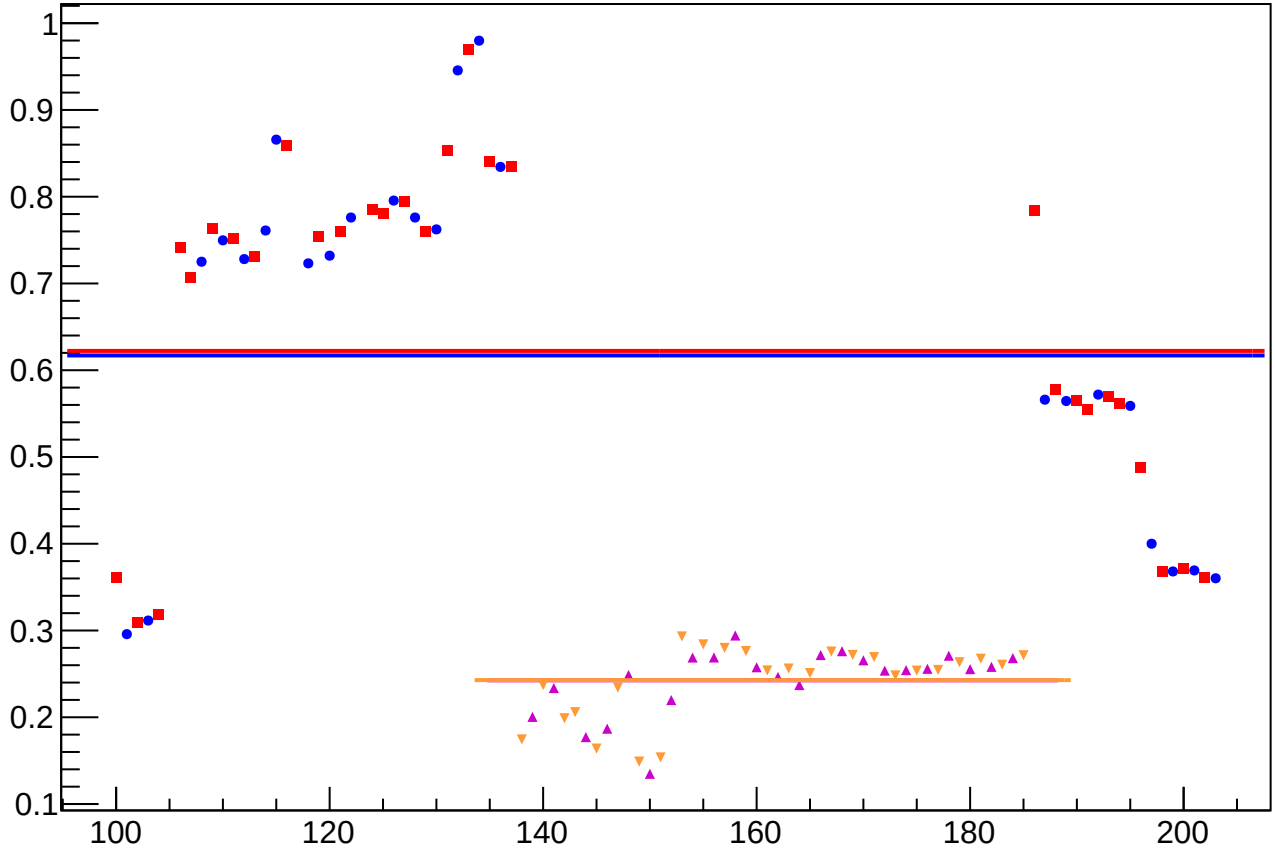
Right: 0.013+/-0.000 χ^2/NDF: 2436414.0/52

In: 0.013+/-0.000 χ^2/NDF:1475524.5/46

Out: 0.013+/-0.000 χ^2/NDF:1690852.4/53

All: 0.013+/-0.000 χ^2/NDF: 3166545.8/100

yield_bpm0l07Y_mean vs Slug, Sign Corrected



Right In: 0.617+/-0.000 χ^2/NDF: 80520907480.5/23

Left Out: 0.243+/-0.000 χ^2/NDF:7290530687.7/24

Right Out: 0.622+/-0.000 χ^2/NDF: 75615882200.7/28

Left In: 0.243+/-0.000 χ^2/NDF:5781231269.1/22

Left: 0.243+/-0.000 χ^2/NDF: 13071863849.3/47

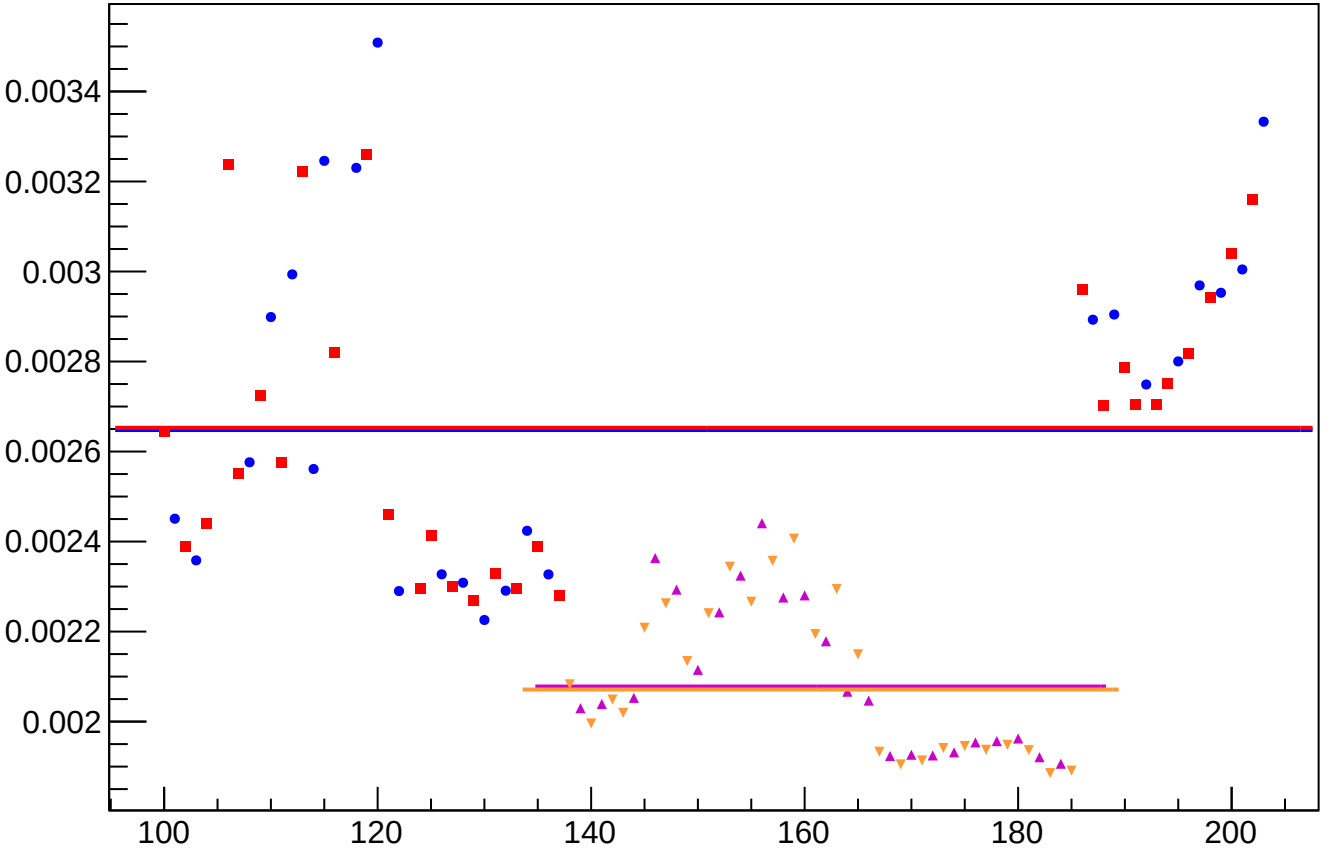
Right: 0.620+/-0.000 χ^2/NDF: 156162654002.8/52

In: 0.355+/-0.000 χ^2/NDF:262128129382.5/46

Out: 0.360+/-0.000 χ^2/NDF:279906827223.7/53

All: 0.357+/-0.000 χ^2/NDF: 542106898489.1

yield_bpm0l07Y_rms vs Slug, Sign Corrected



Right In: 0.003+/-0.000 χ^2/NDF: 426529.5/23

Left Out: 0.002+/-0.000 χ^2/NDF:233799.0/24

Right Out: 0.003+/-0.000 χ^2/NDF: 337675.6/28

Left In: 0.002+/-0.000 χ^2/NDF:211544.0/22

Left: 0.002+/-0.000 χ^2/NDF: 445534.4/47

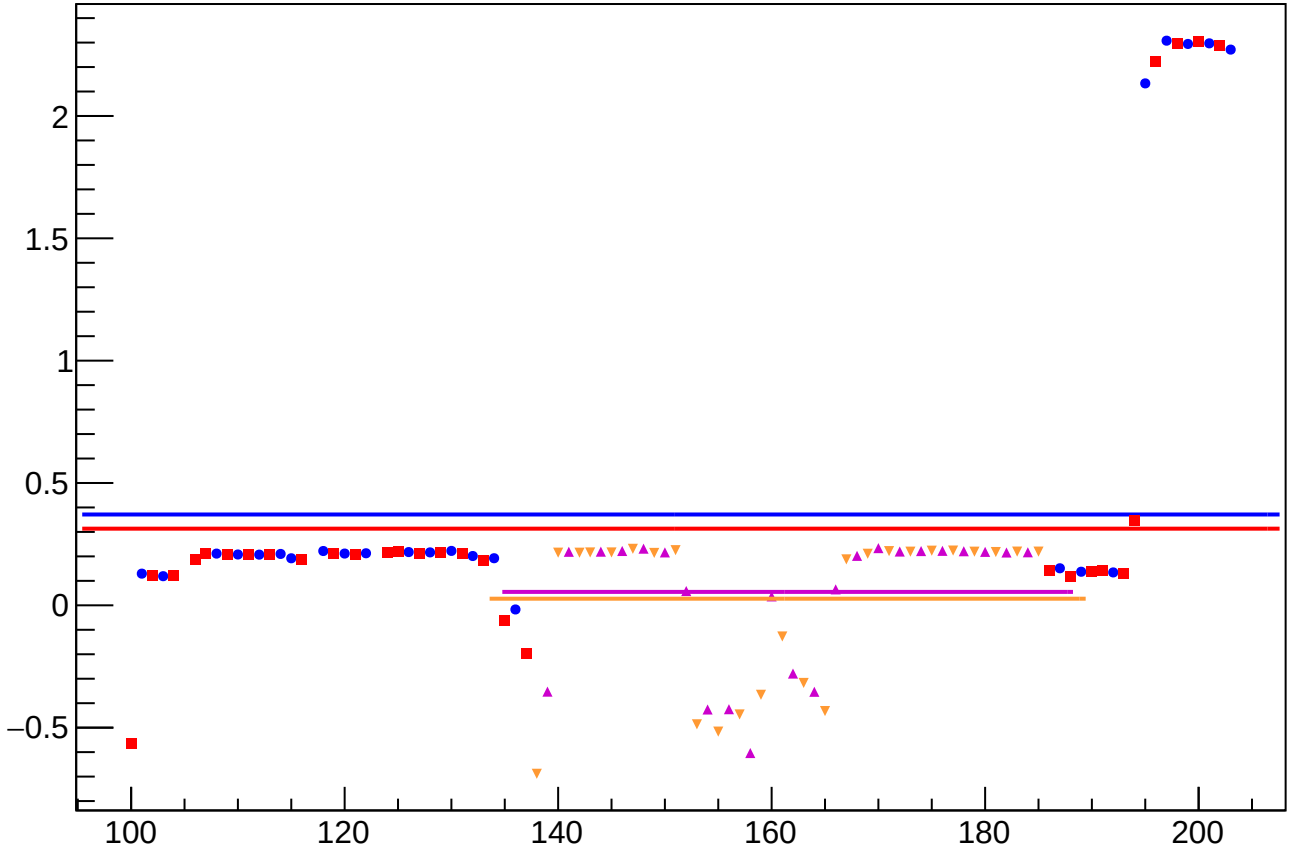
Right: 0.003+/-0.000 χ^2/NDF: 764251.6/52

In: 0.002+/-0.000 χ^2/NDF:1452692.9/46

Out: 0.002+/-0.000 χ^2/NDF:1496821.6/53

All: 0.002+/-0.000 χ^2/NDF: 2949529.7/100

yield_bpm0l08X_mean vs Slug, Sign Corrected



Right In: 0.371+/-0.000 χ^2/NDF: 32812929325.6/23

Left Out: 0.027+/-0.000 χ^2/NDF:12975171876.0/24

Right Out: 0.313+/-0.000 χ^2/NDF: 29417899218.6/28

Left In: 0.055+/-0.000 χ^2/NDF:9704180322.0/22

Left: 0.041+/-0.000 χ^2/NDF: 22733670617.6/47

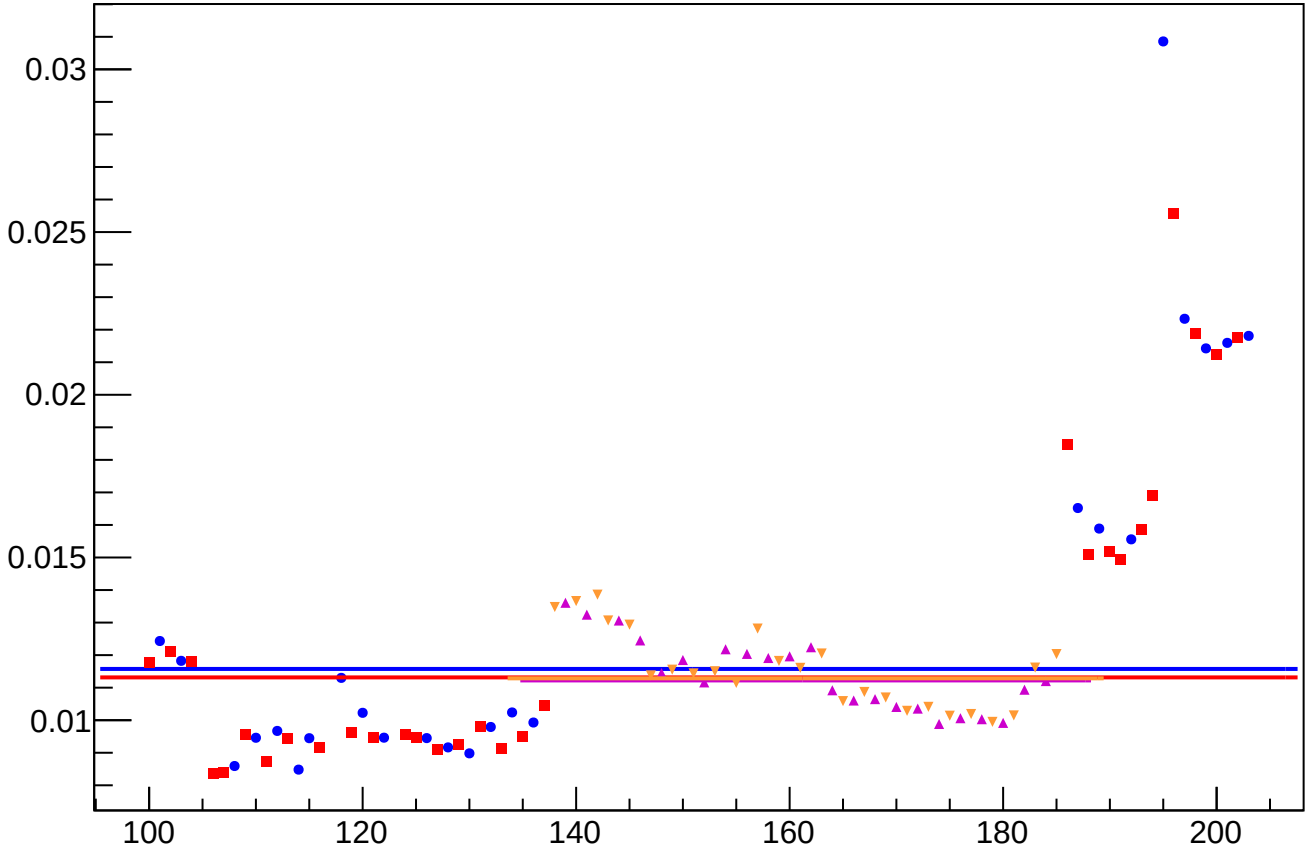
Right: 0.340+/-0.000 χ^2/NDF: 62384574591.7/52

In: 0.176+/-0.000 χ^2/NDF:47774040250.4/46

Out: 0.144+/-0.000 χ^2/NDF:47206329388.7/53

All: 0.159+/-0.000 χ^2/NDF: 95095234115.4/1

yield_bpm0l08X_rms vs Slug, Sign Corrected



Right In: 0.012+/-0.000 χ^2/NDF: 2960117.4/23

Left Out: 0.011+/-0.000 χ^2/NDF:328248.0/24

Right Out: 0.011+/-0.000 χ^2/NDF: 2916654.7/28

Left In: 0.011+/-0.000 χ^2/NDF:315246.6/22

Left: 0.011+/-0.000 χ^2/NDF: 644069.7/47

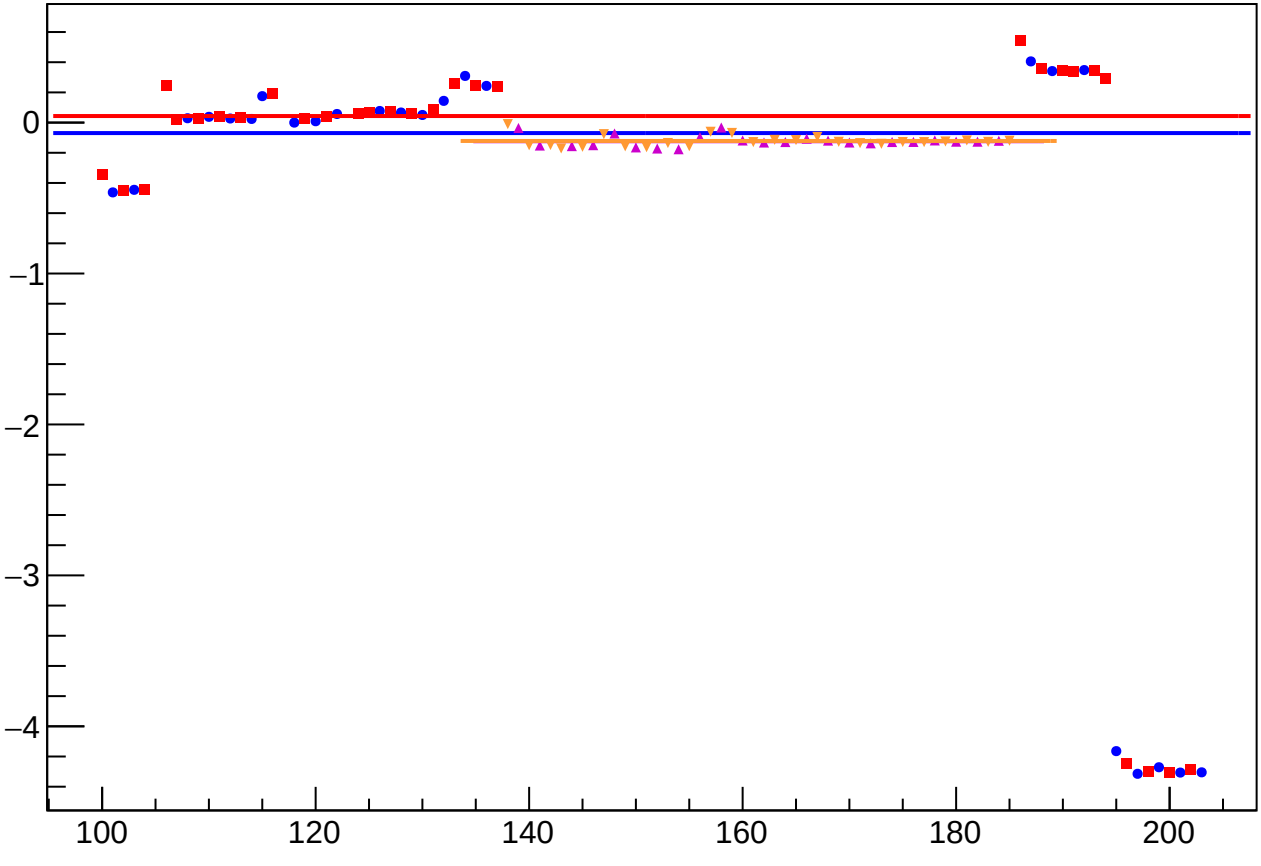
Right: 0.011+/-0.000 χ^2/NDF: 5882979.5/52

In: 0.011+/-0.000 χ^2/NDF:3288440.4/46

Out: 0.011+/-0.000 χ^2/NDF:3244998.4/53

All: 0.011+/-0.000 χ^2/NDF: 6534247.3/100

yield_bpm0l08Y_mean vs Slug, Sign Corrected



Right In: -0.069+/-0.000 χ^2/NDF: 252324628534.5/23

Left Out: -0.122+/-0.000 χ^2/NDF:2922583819.6/24

Right Out: 0.043+/-0.000 χ^2/NDF: 234303331855.9/28

Left In: -0.124+/-0.000 χ^2/NDF:2809457047.2/22

Left: -0.123+/-0.000 χ^2/NDF: 5736373212.1/47

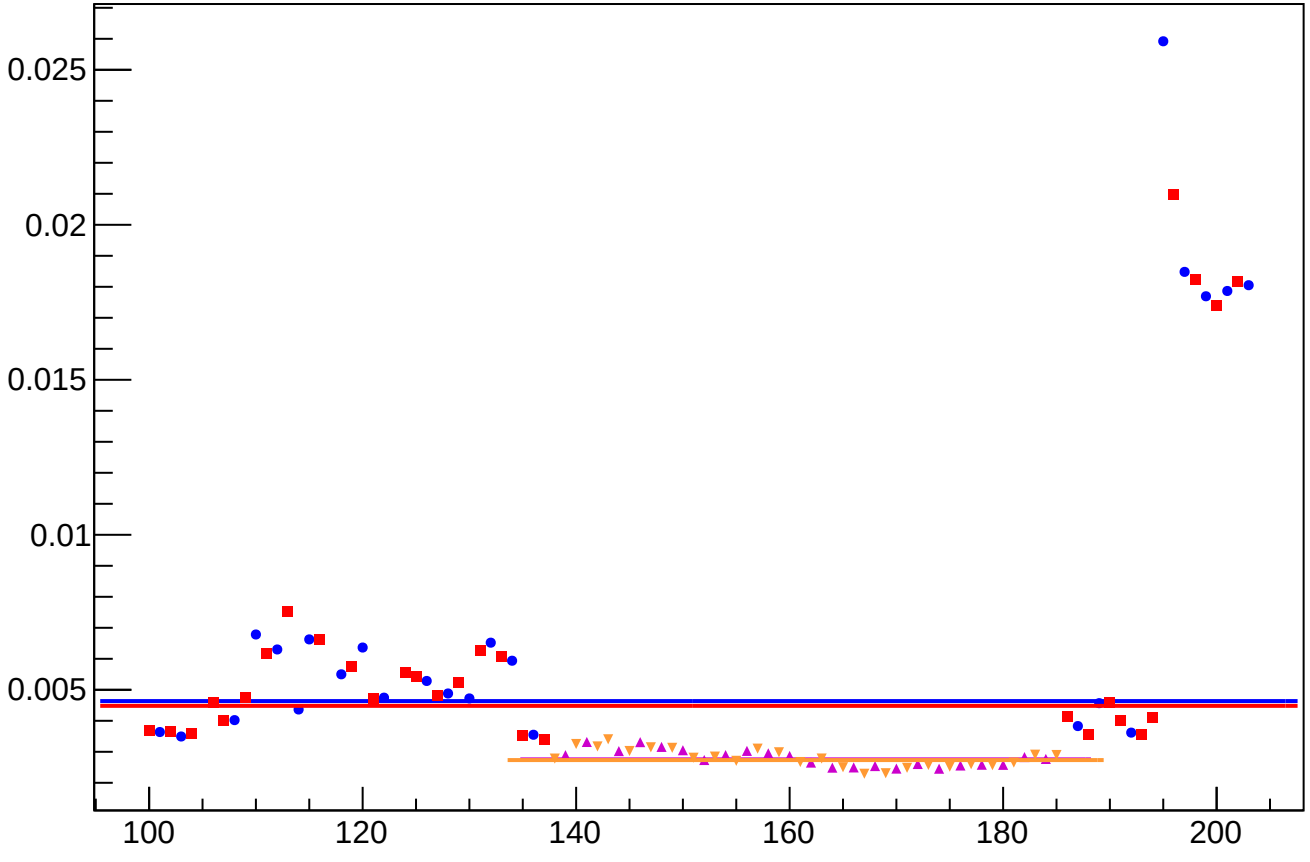
Right: -0.007+/-0.000 χ^2/NDF: 489730466467.7/52

In: -0.115+/-0.000 χ^2/NDF:256211991196.5/46

Out: -0.092+/-0.000 χ^2/NDF:249448776833.4/53

All: -0.103+/-0.000 χ^2/NDF: 506436710881.9

yield_bpm0l08Y_rms vs Slug, Sign Corrected



Right In: 0.005+/-0.000 χ^2/NDF: 5796766.3/23

Left Out: 0.003+/-0.000 χ^2/NDF:391885.5/24

Right Out: 0.004+/-0.000 χ^2/NDF: 4860459.2/28

Left In: 0.003+/-0.000 χ^2/NDF:293113.7/22

Left: 0.003+/-0.000 χ^2/NDF: 686267.5/47

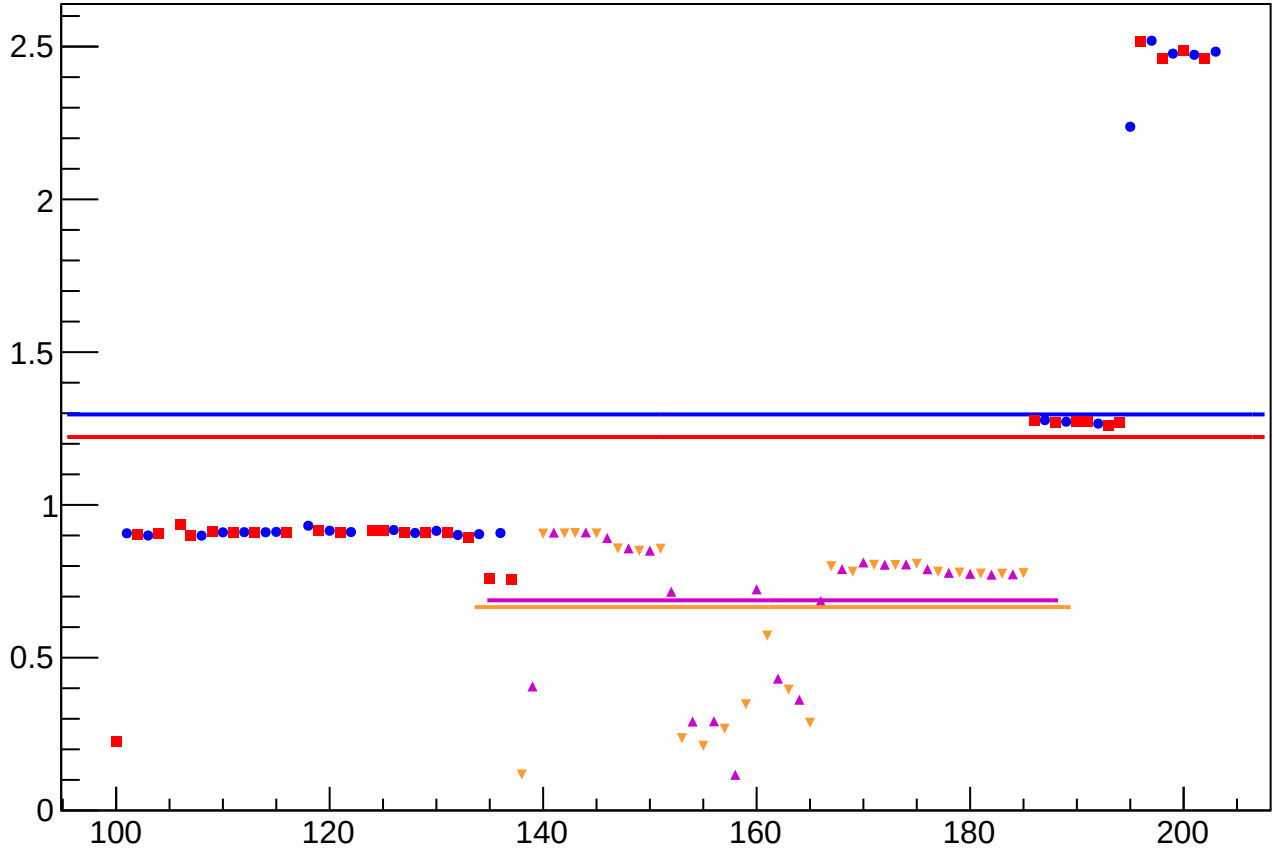
Right: 0.005+/-0.000 χ^2/NDF: 10668715.4/52

In: 0.003+/-0.000 χ^2/NDF:8688355.1/46

Out: 0.003+/-0.000 χ^2/NDF:7996510.0/53

All: 0.003+/-0.000 χ^2/NDF: 16684986.8/100

yield_bpm0l09X_mean vs Slug, Sign Corrected



Right In: 1.296+/-0.000 χ^2/NDF: 34624638442.0/23

Left Out: 0.666+/-0.000 χ^2/NDF:9213839939.9/24

Right Out: 1.222+/-0.000 χ^2/NDF: 32833723605.4/28

Left In: 0.688+/-0.000 χ^2/NDF:6999062215.3/22

Left: 0.676+/-0.000 χ^2/NDF: 16249398180.7/47

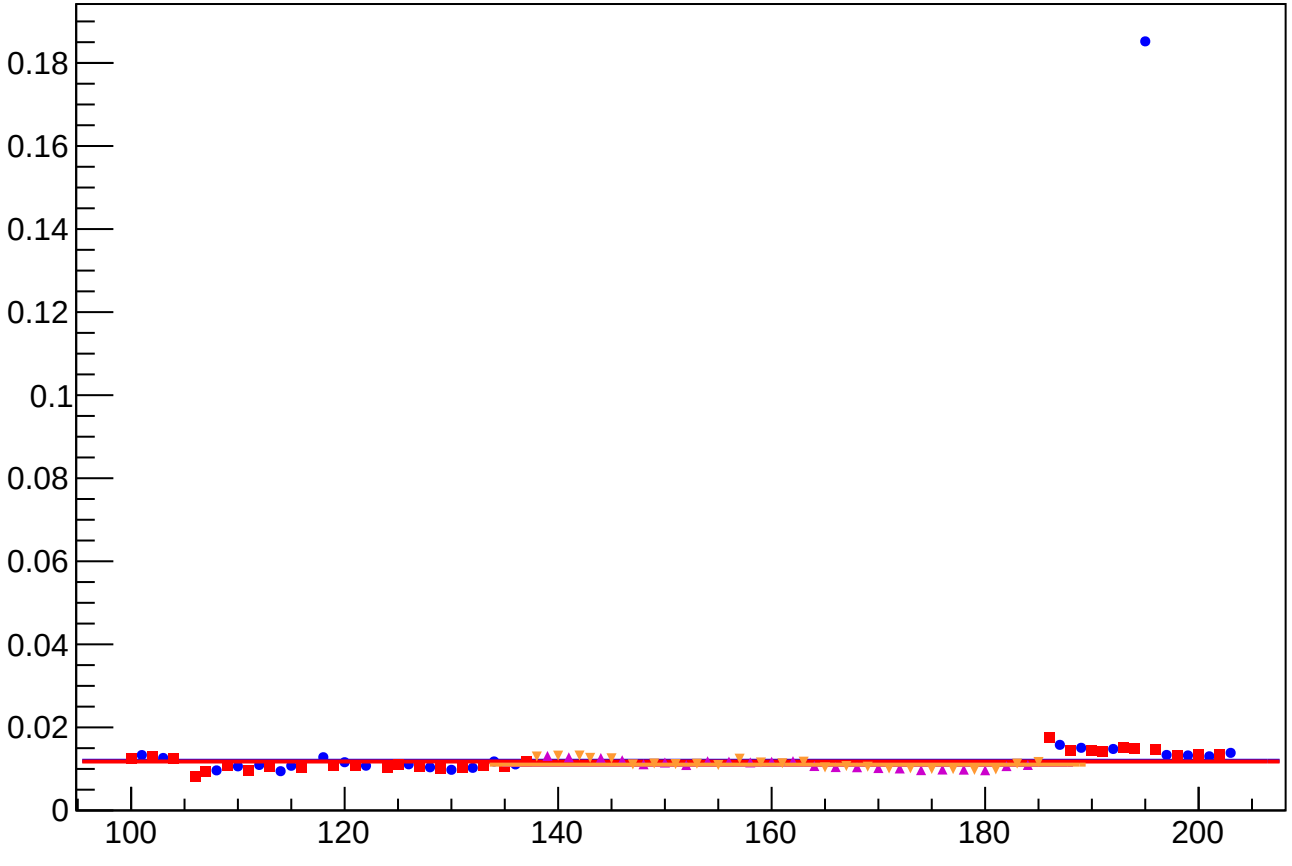
Right: 1.256+/-0.000 χ^2/NDF: 67699831921.3/52

In: 0.908+/-0.000 χ^2/NDF:61049485068.4/46

Out: 0.881+/-0.000 χ^2/NDF:60160787206.9/53

All: 0.894+/-0.000 χ^2/NDF: 121297975468.7

yield_bpm0l09X_rms vs Slug, Sign Corrected



Right In: 0.012+/-0.000 χ^2/NDF: 1974948.3/23

Left Out: 0.011+/-0.000 χ^2/NDF:299445.0/24

Right Out: 0.012+/-0.000 χ^2/NDF: 741682.1/28

Left In: 0.011+/-0.000 χ^2/NDF:287650.0/22

Left: 0.011+/-0.000 χ^2/NDF: 587697.9/47

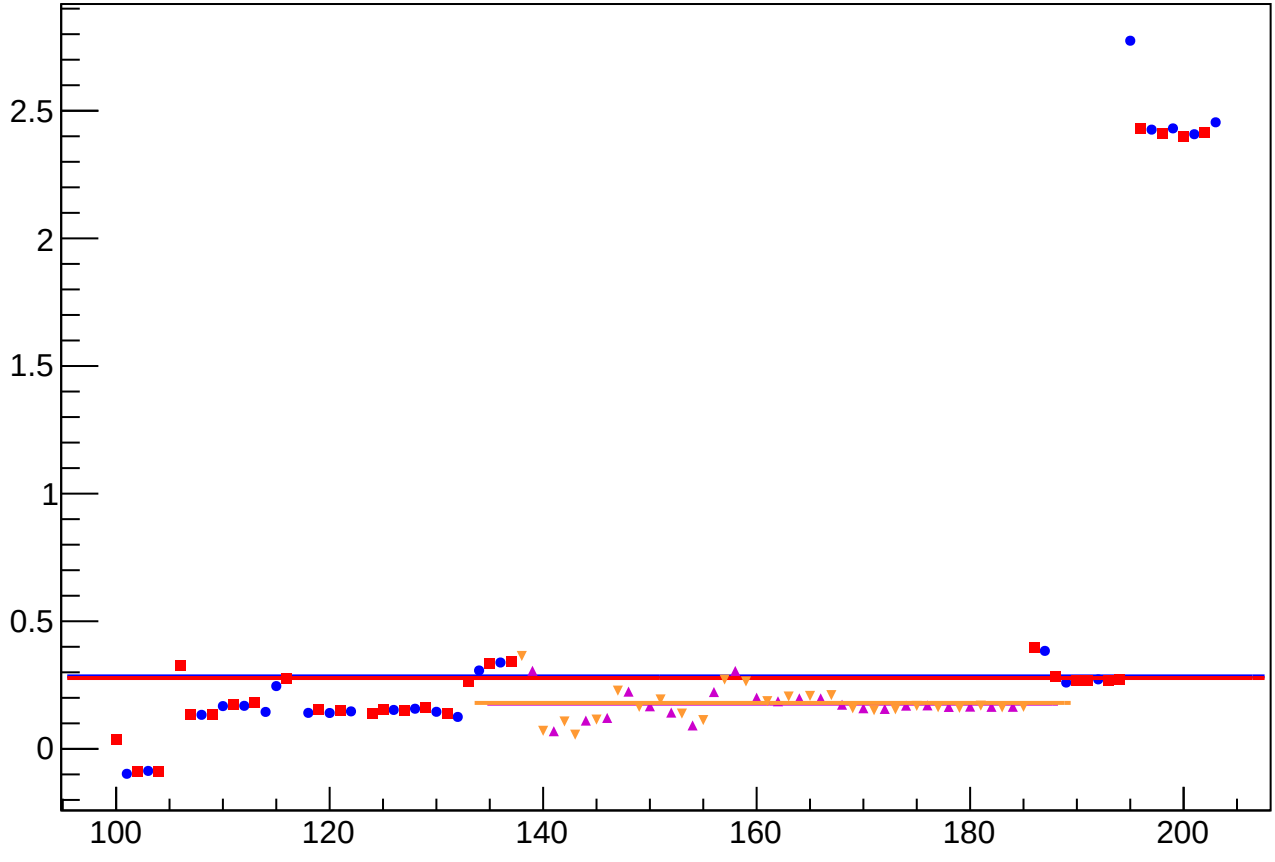
Right: 0.012+/-0.000 χ^2/NDF: 2719490.7/52

In: 0.011+/-0.000 χ^2/NDF:2367779.3/46

Out: 0.011+/-0.000 χ^2/NDF:1108170.5/53

All: 0.011+/-0.000 χ^2/NDF: 3475957.7/100

yield_bpm0l09Y_mean vs Slug, Sign Corrected



Right In: 0.284+/-0.000 χ^2/NDF: 106528900158.6/23

Left Out: 0.180+/-0.000 χ^2/NDF:6448853953.3/24

Right Out: 0.278+/-0.000 χ^2/NDF: 90779978197.1/28

Left In: 0.177+/-0.000 χ^2/NDF:4620854117.7/22

Left: 0.179+/-0.000 χ^2/NDF: 11077549854.5/47

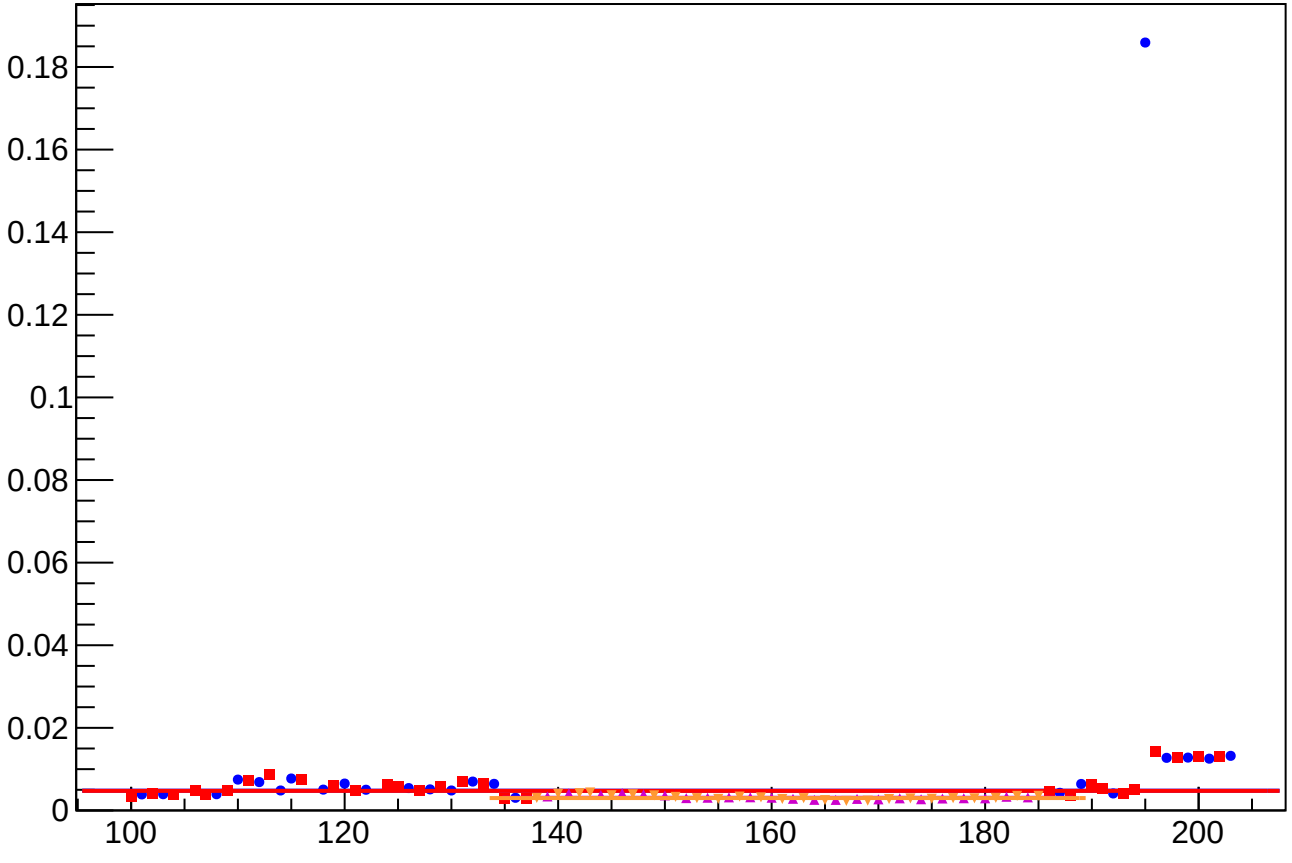
Right: 0.281+/-0.000 χ^2/NDF: 197317731055.6/52

In: 0.197+/-0.000 χ^2/NDF:114883502763.7/46

Out: 0.199+/-0.000 χ^2/NDF:100865416208.3/53

All: 0.198+/-0.000 χ^2/NDF: 215754509685.8

yield_bpm0l09Y_rms vs Slug, Sign Corrected



Right In: 0.005+/-0.000 χ^2/NDF: 5389624.7/23

Left Out: 0.003+/-0.000 χ^2/NDF:888350.2/24

Right Out: 0.005+/-0.000 χ^2/NDF: 3804748.2/28

Left In: 0.003+/-0.000 χ^2/NDF:587459.6/22

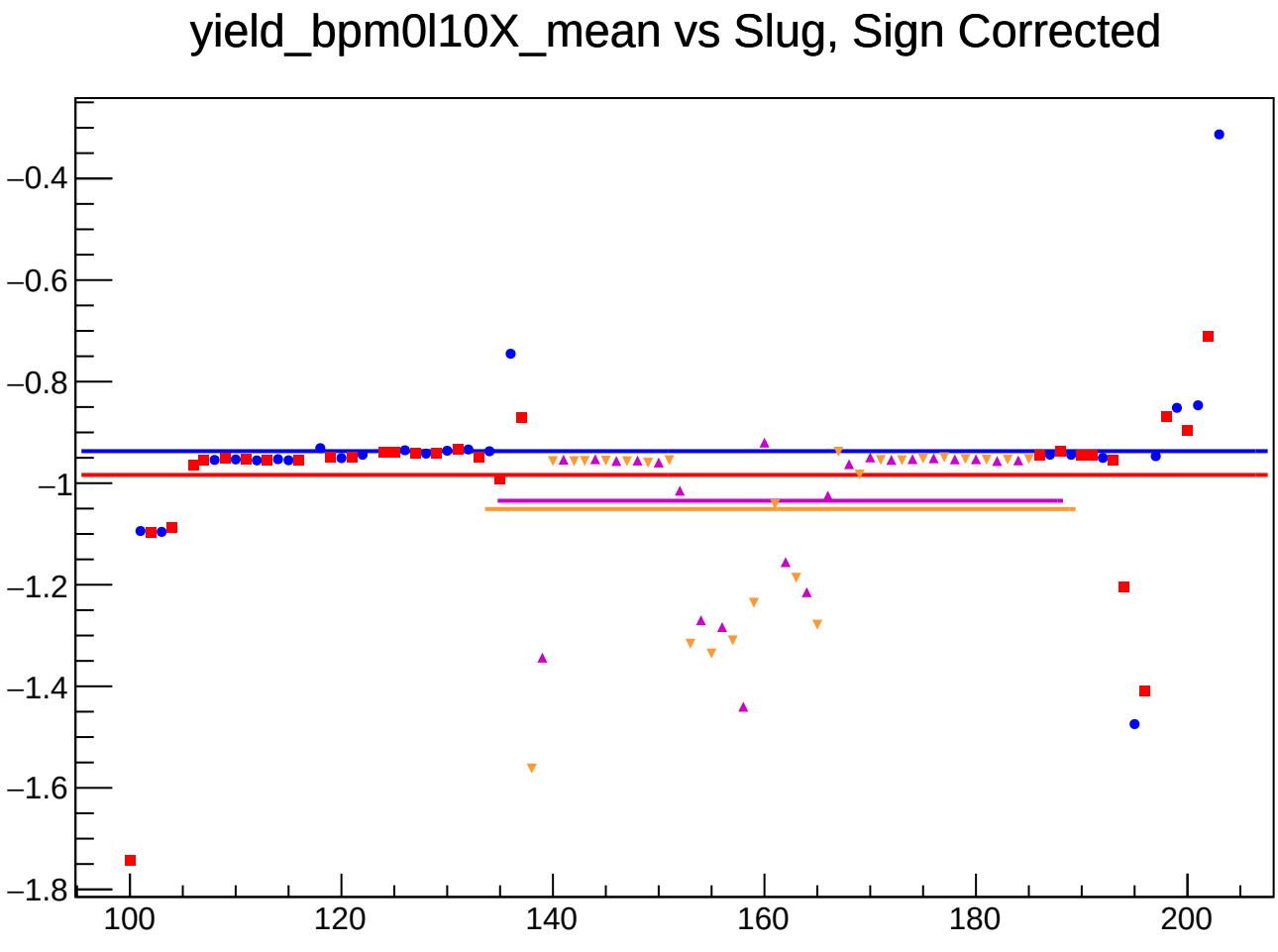
Left: 0.003+/-0.000 χ^2/NDF: 1485282.4/47

Right: 0.005+/-0.000 χ^2/NDF: 9195503.1/52

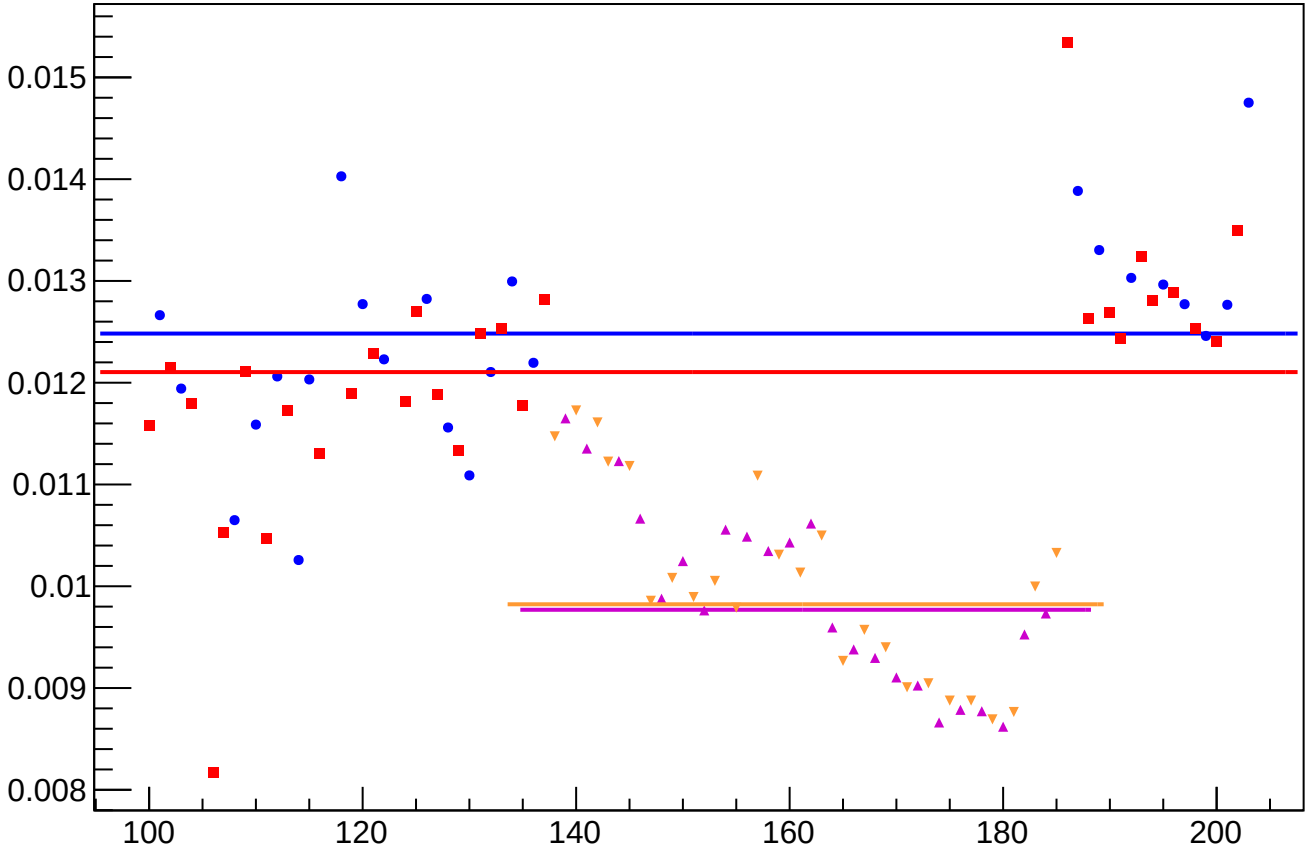
In: 0.003+/-0.000 χ^2/NDF:7912692.8/46

Out: 0.003+/-0.000 χ^2/NDF:7008104.2/53

All: 0.003+/-0.000 χ^2/NDF: 14926408.0/100


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: -0.937+/-0.000 χ²/NDF: 3463281777.2/23
Left Out: -1.051+/-0.000 χ²/NDF:5082084184.4/24
Right Out: -0.984+/-0.000 χ²/NDF: 2104284864.5/28
Left In: -1.035+/-0.000 χ²/NDF:3925761523.9/22
Left: -1.043+/-0.000 χ²/NDF: 9032853026.0/47
Right: -0.962+/-0.000 χ²/NDF: 5664163266.5/52
In: -1.005+/-0.000 χ²/NDF:7927224647.9/46
Out: -1.028+/-0.000 χ²/NDF:7474786439.7/53
All: -1.017+/-0.000 χ²/NDF: 15480843436.4/

yield_bpm0l10X_rms vs Slug, Sign Corrected



Right In: 0.012+/-0.000 χ^2/NDF: 134929.2/23

Left Out: 0.010+/-0.000 χ^2/NDF:293862.1/24

Right Out: 0.012+/-0.000 χ^2/NDF: 273831.3/28

Left In: 0.010+/-0.000 χ^2/NDF:281817.4/22

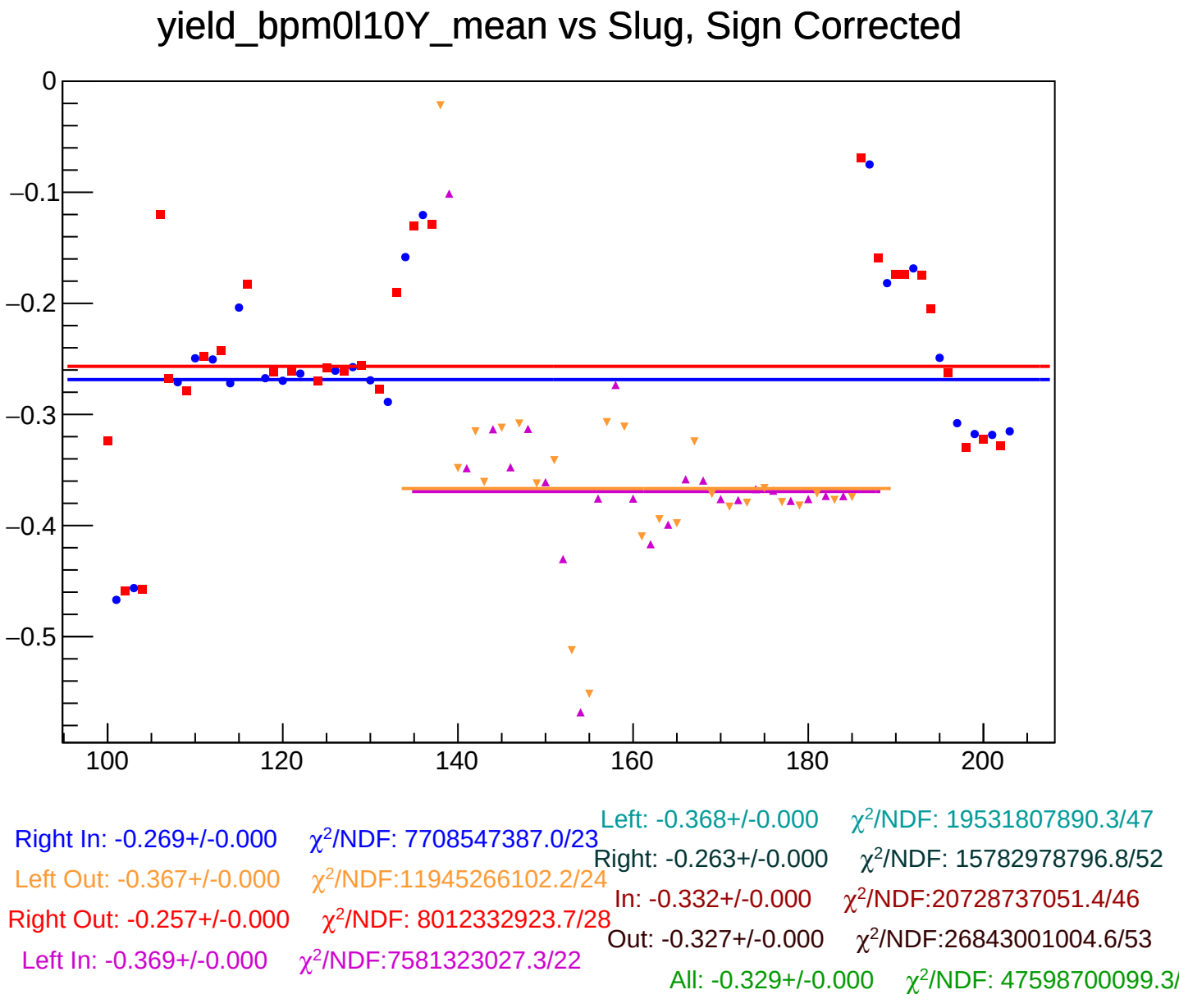
Left: 0.010+/-0.000 χ^2/NDF: 576227.7/47

Right: 0.012+/-0.000 χ^2/NDF: 421382.4/52

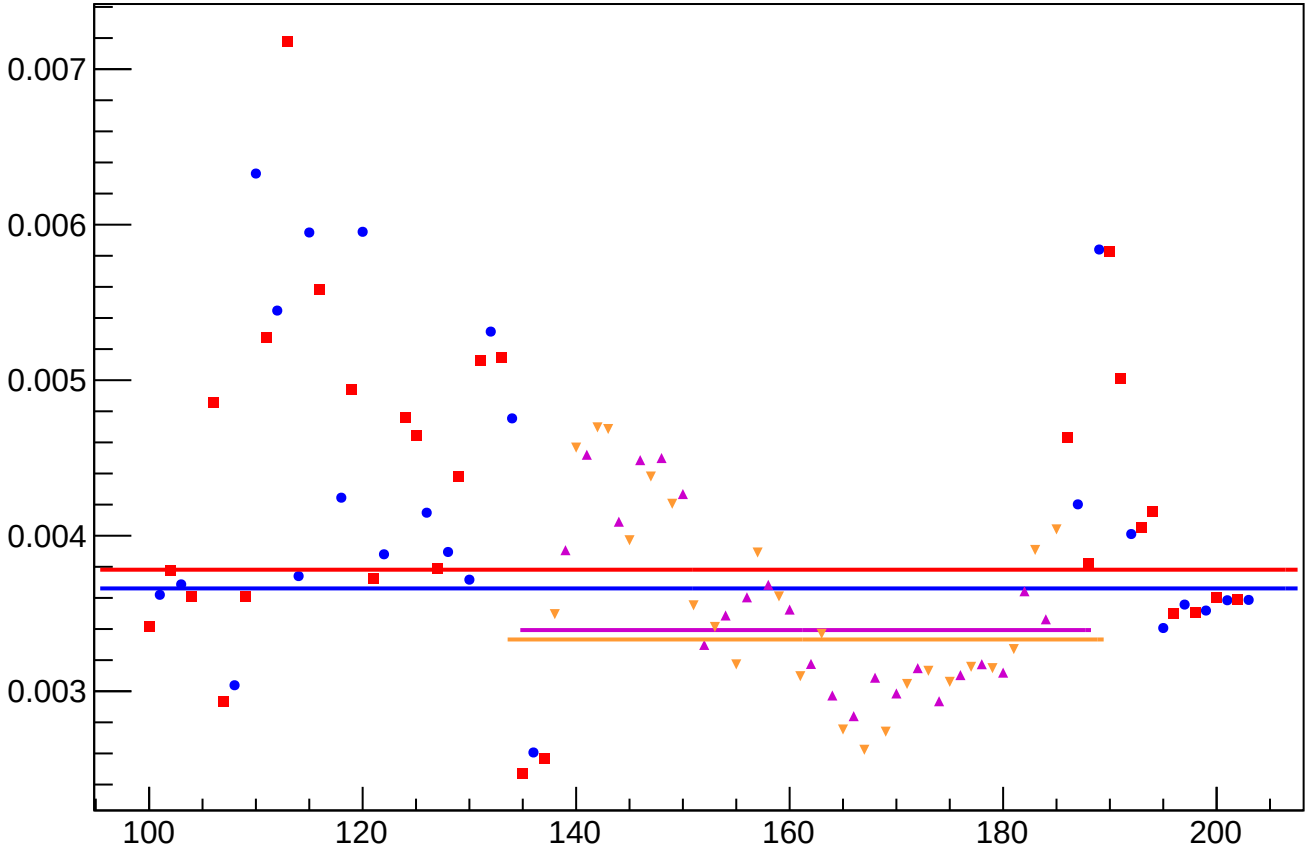
In: 0.011+/-0.000 χ^2/NDF:1248001.6/46

Out: 0.011+/-0.000 χ^2/NDF:1233410.6/53

All: 0.011+/-0.000 χ^2/NDF: 2481501.7/100


yield_bpm0l10Y_mean vs Slug, Sign Corrected
0
−0.1
−0.2
−0.3
−0.4
−0.5
100
120
140
160
180
200
Right In: -0.269+/-0.000 χ²/NDF: 7708547387.0/23
Left Out: -0.367+/-0.000 χ²/NDF:11945266102.2/24
Right Out: -0.257+/-0.000 χ²/NDF: 8012332923.7/28
Left In: -0.369+/-0.000 χ²/NDF:7581323027.3/22
Left: -0.368+/-0.000 χ²/NDF: 19531807890.3/47
Right: -0.263+/-0.000 χ²/NDF: 15782978796.8/52
In: -0.332+/-0.000 χ²/NDF:20728737051.4/46
Out: -0.327+/-0.000 χ²/NDF:26843001004.6/53
All: -0.329+/-0.000 χ²/NDF: 47598700099.3/

yield_bpm0l10Y_rms vs Slug, Sign Corrected



Right In: 0.004+/-0.000 χ^2/NDF: 902846.1/23

Left Out: 0.003+/-0.000 χ^2/NDF:857705.2/24

Right Out: 0.004+/-0.000 χ^2/NDF: 1078088.5/28

Left In: 0.003+/-0.000 χ^2/NDF:633604.8/22

Left: 0.003+/-0.000 χ^2/NDF: 1496833.9/47

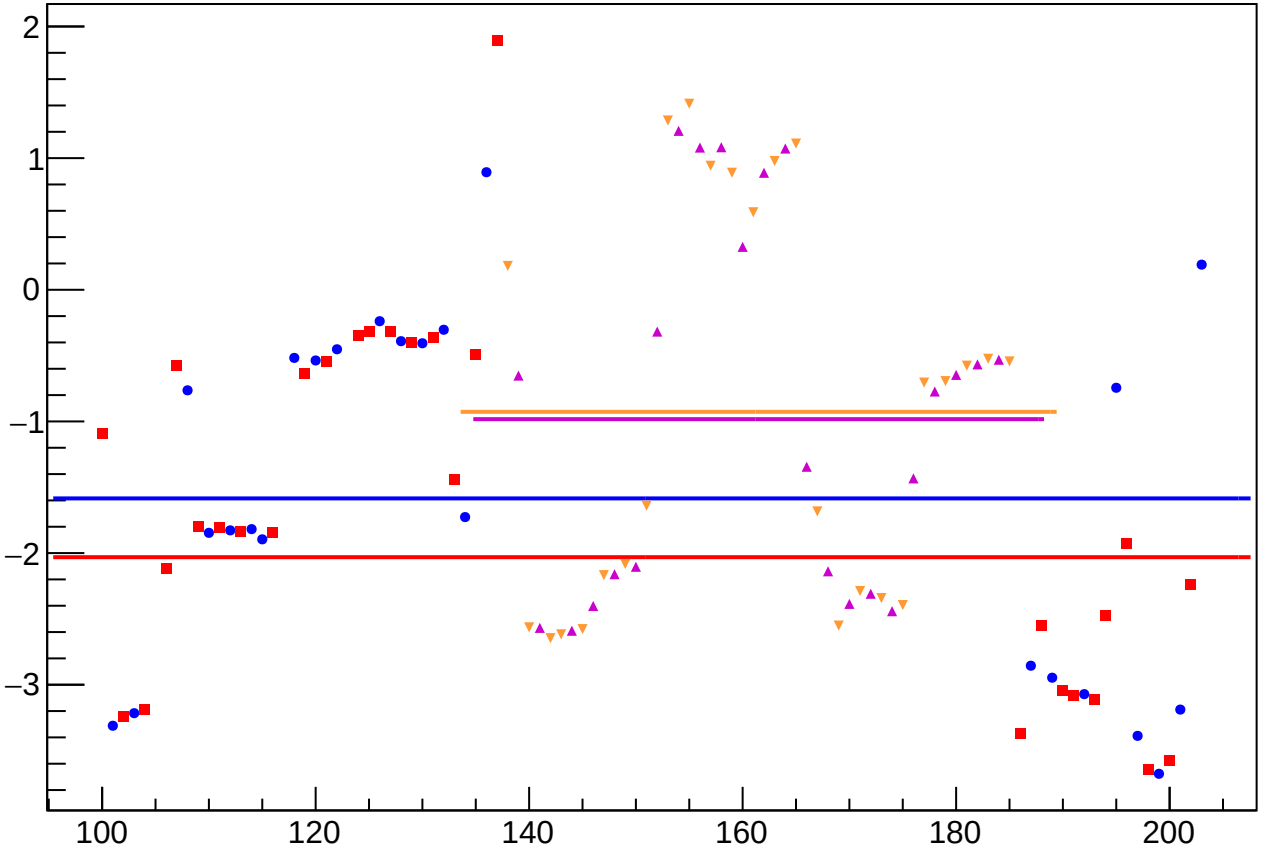
Right: 0.004+/-0.000 χ^2/NDF: 1993557.5/52

In: 0.003+/-0.000 χ^2/NDF:1613374.0/46

Out: 0.003+/-0.000 χ^2/NDF:2164881.3/53

All: 0.003+/-0.000 χ^2/NDF: 3778259.7/100

yield_bpm0r03X_mean vs Slug, Sign Corrected



Right In: -1.585+/-0.000 χ^2/NDF: 5253098952.7/23

Left Out: -0.927+/-0.000 χ^2/NDF:7248712470.7/24

Right Out: -2.031+/-0.000 χ^2/NDF: 3733550474.5/28

Left In: -0.983+/-0.000 χ^2/NDF:5918975536.0/22

Left: -0.954+/-0.000 χ^2/NDF: 13173158507.1/47

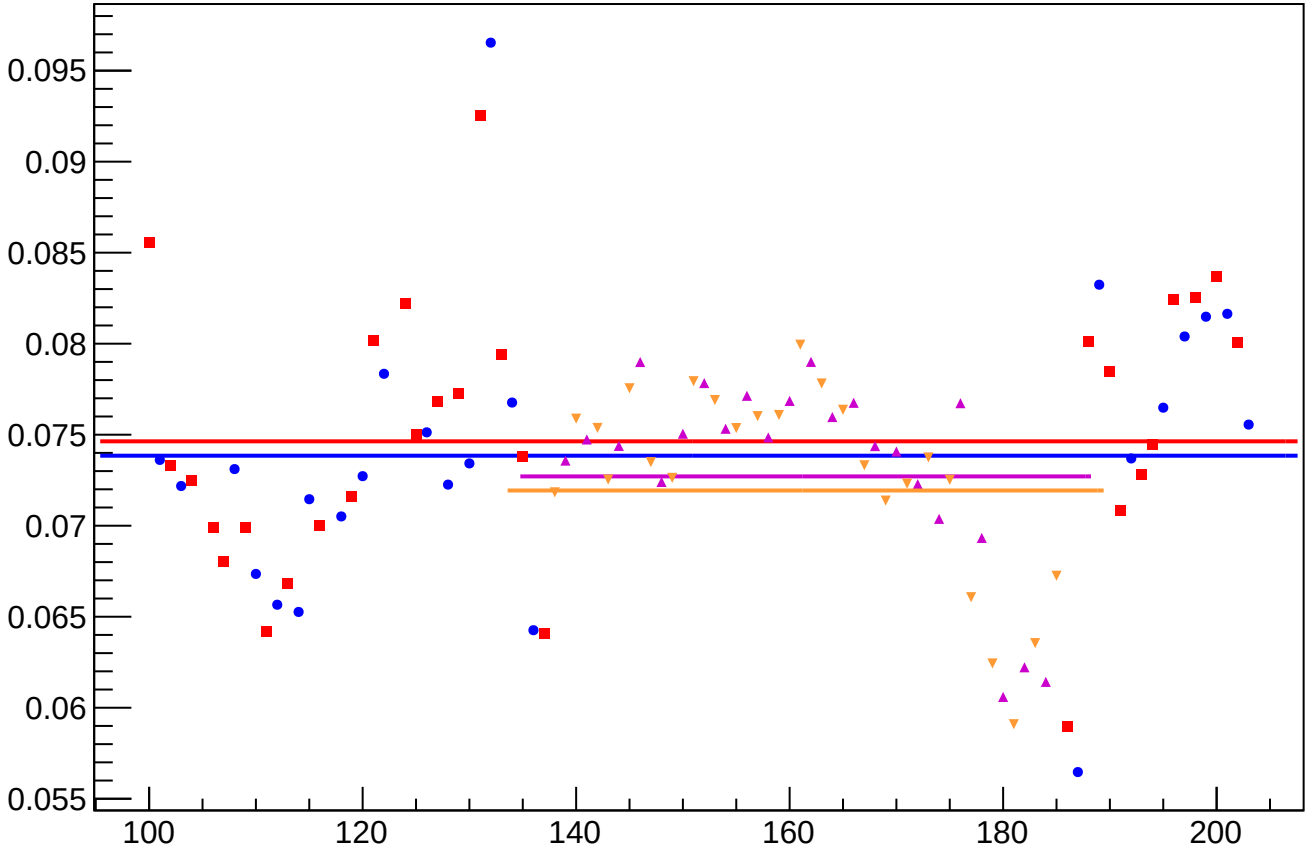
Right: -1.817+/-0.000 χ^2/NDF: 9231091919.1/52

In: -1.230+/-0.000 χ^2/NDF:11675750904.7/46

Out: -1.381+/-0.000 χ^2/NDF:12818394884.9/53

All: -1.308+/-0.000 χ^2/NDF: 24562161840.2/

yield_bpm0r03X_rms vs Slug, Sign Corrected



Right In: 0.074+/-0.000 χ^2/NDF: 205620.6/23

Left Out: 0.072+/-0.000 χ^2/NDF:235534.6/24

Right Out: 0.075+/-0.000 χ^2/NDF: 234624.8/28

Left In: 0.073+/-0.000 χ^2/NDF:197009.2/22

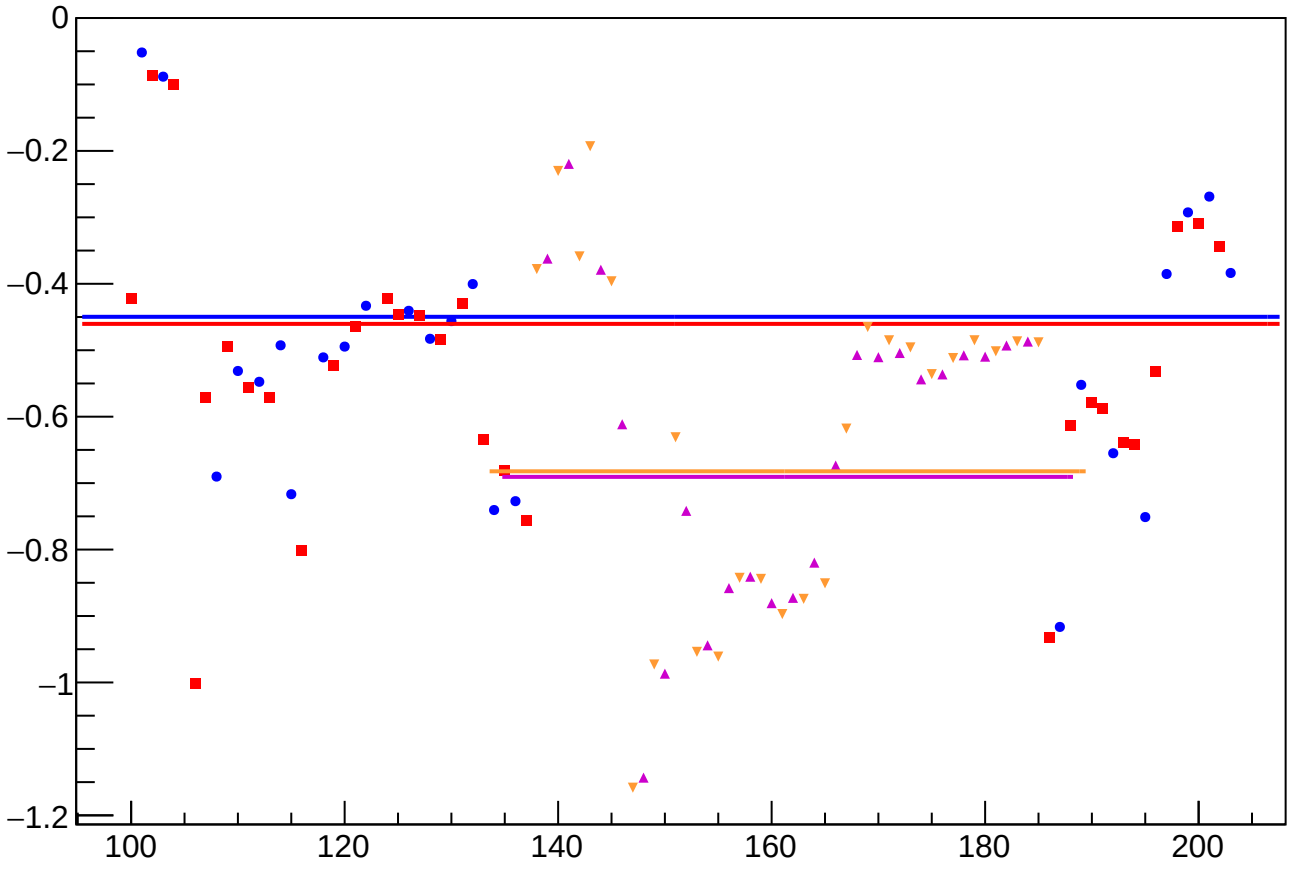
Left: 0.072+/-0.000 χ^2/NDF: 434657.5/47

Right: 0.074+/-0.000 χ^2/NDF: 441773.4/52

In: 0.073+/-0.000 χ^2/NDF:406226.1/46

Out: 0.073+/-0.000 χ^2/NDF:492141.2/53

All: 0.073+/-0.000 χ^2/NDF: 898470.7/100



Right In: -0.450+/-0.000 χ^2/NDF: 7449214970.2/23

Left Out: -0.682+/-0.000 χ^2/NDF:21823342960.4/24

Right Out: -0.460+/-0.000 χ^2/NDF: 6319559717.0/28

Left In: -0.691+/-0.000 χ^2/NDF:16867819938.3/22

Left: -0.686+/-0.000 χ^2/NDF: 38704767627.1/47

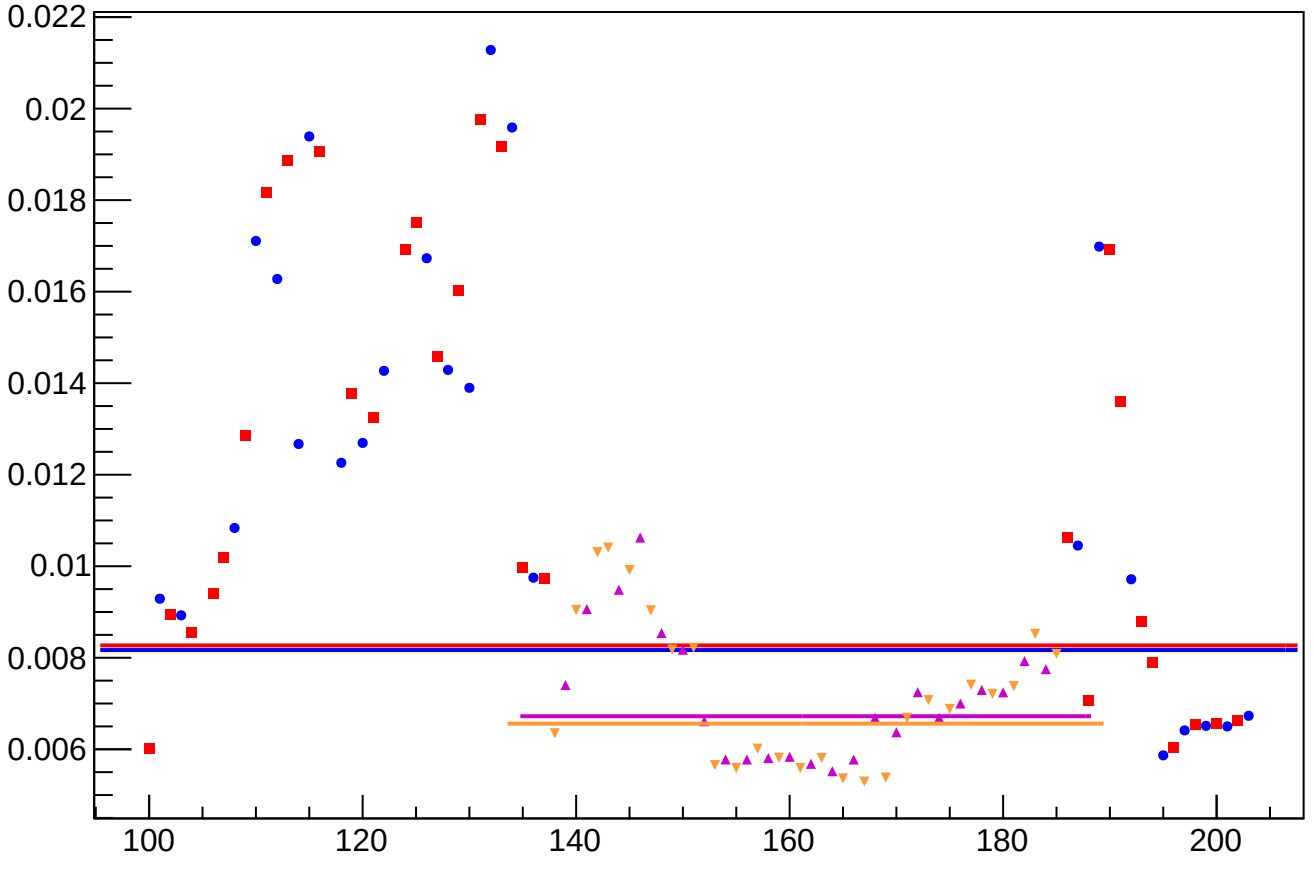
Right: -0.455+/-0.000 χ^2/NDF: 13778184515.4/52

In: -0.617+/-0.000 χ^2/NDF:30824034910.3/46

Out: -0.617+/-0.000 χ^2/NDF:34066284243.4/53

All: -0.617+/-0.000 χ^2/NDF: 64890440757.6/

yield_bpm0r03Y_rms vs Slug, Sign Corrected



Right In: 0.008+/-0.000 χ^2/NDF: 2842693.6/23

Left Out: 0.007+/-0.000 χ^2/NDF:1404221.4/24

Right Out: 0.008+/-0.000 χ^2/NDF: 3002207.2/28

Left In: 0.007+/-0.000 χ^2/NDF:960755.3/22

Left: 0.007+/-0.000 χ^2/NDF: 2375100.1/47

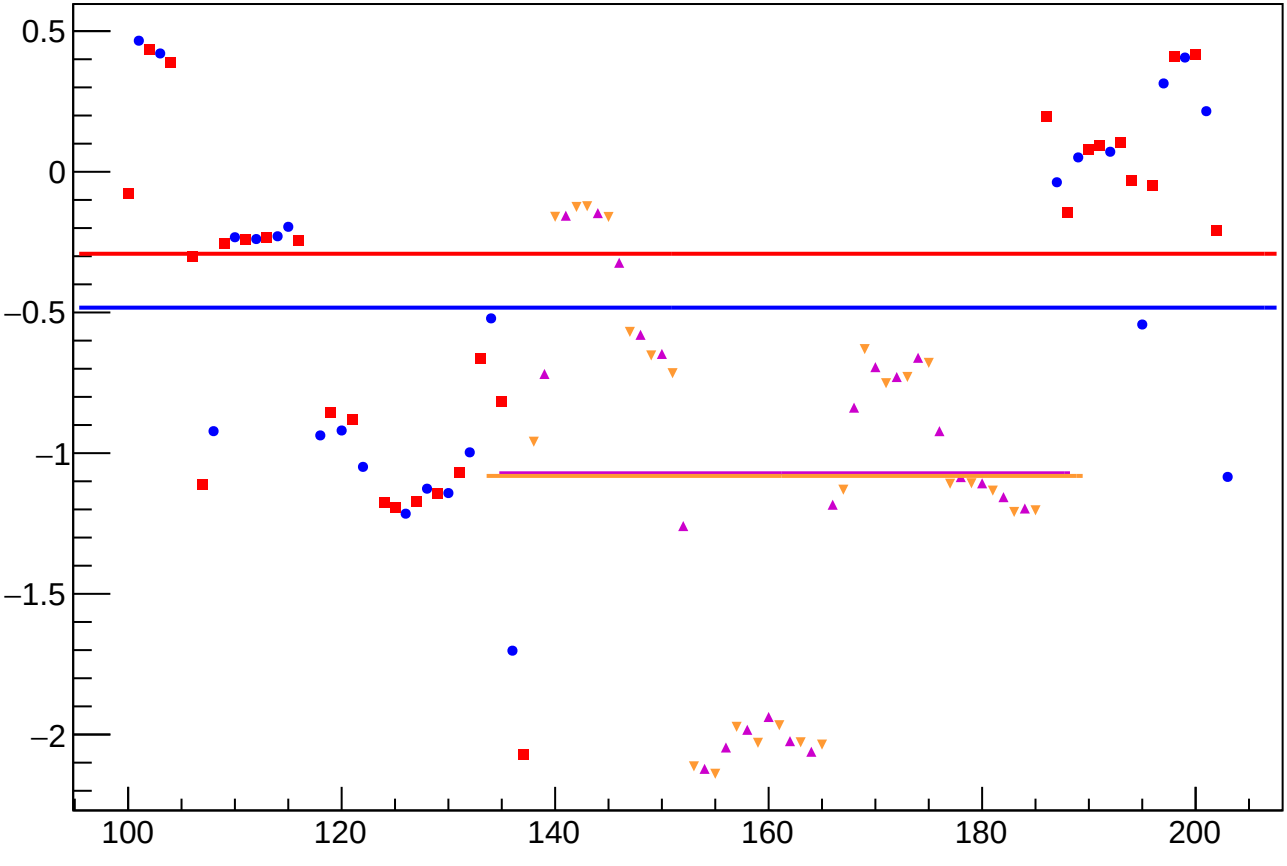
Right: 0.008+/-0.000 χ^2/NDF: 5846589.3/52

In: 0.007+/-0.000 χ^2/NDF:4272787.1/46

Out: 0.007+/-0.000 χ^2/NDF:5109543.4/53

All: 0.007+/-0.000 χ^2/NDF: 9387513.6/100

yield_bpm0r05X_mean vs Slug, Sign Corrected



Right In: -0.483+/-0.000 χ^2/NDF: 736095295.4/23

Left Out: -1.081+/-0.000 χ^2/NDF:1152285460.9/24

Right Out: -0.291+/-0.000 χ^2/NDF: 560542329.1/28

Left In: -1.072+/-0.000 χ^2/NDF:975623531.2/22

Left: -1.076+/-0.000 χ^2/NDF: 2128025374.6/47

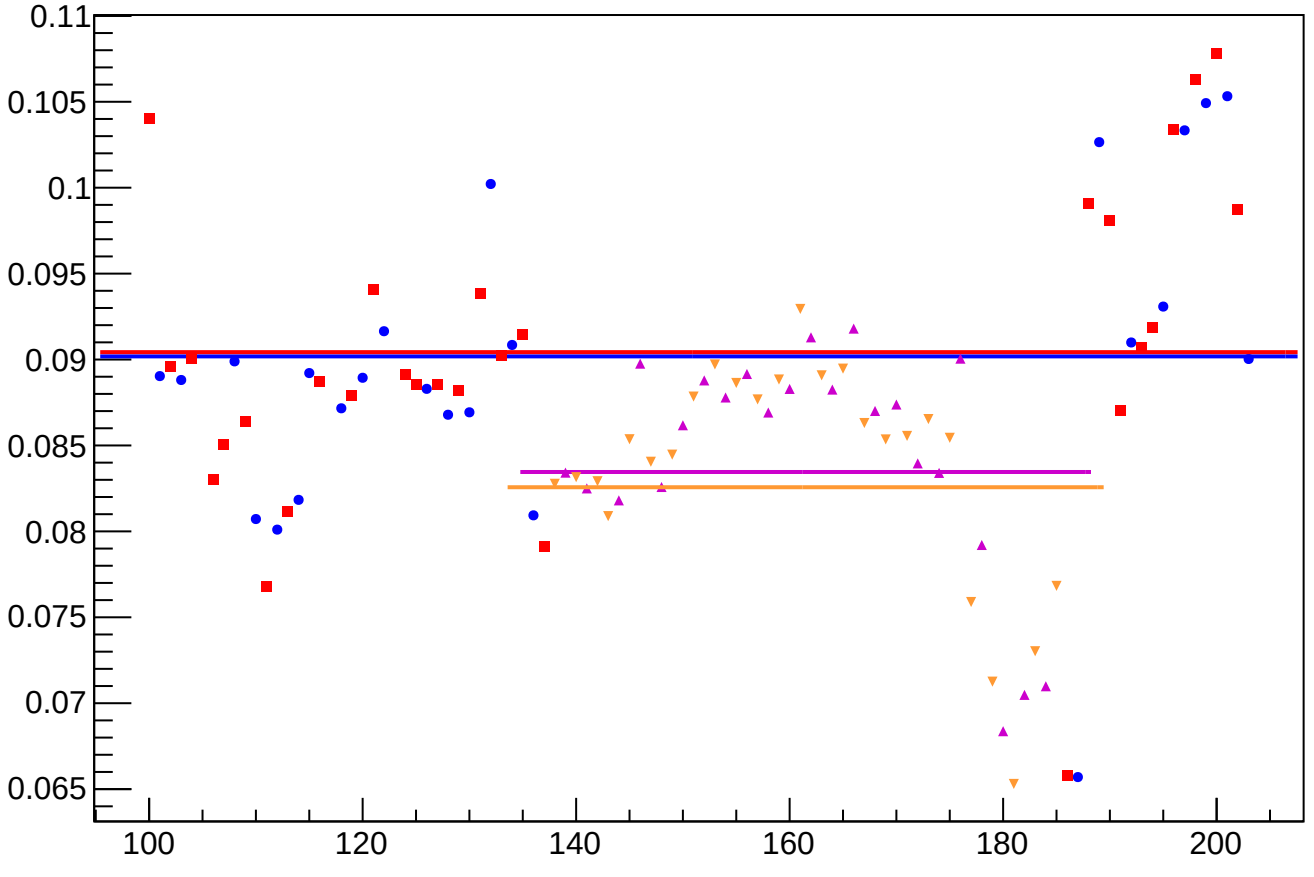
Right: -0.383+/-0.000 χ^2/NDF: 1327364174.8/52

In: -0.847+/-0.000 χ^2/NDF:2055117415.5/46

Out: -0.777+/-0.000 χ^2/NDF:2386377551.8/53

All: -0.810+/-0.000 χ^2/NDF: 4452335595.7/1

yield_bpm0r05X_rms vs Slug, Sign Corrected



Right In: 0.090+/-0.000 χ^2/NDF: 229126.1/23

Left Out: 0.083+/-0.000 χ^2/NDF:291134.3/24

Right Out: 0.090+/-0.000 χ^2/NDF: 322885.9/28

Left In: 0.083+/-0.000 χ^2/NDF:238412.3/22

Left: 0.083+/-0.000 χ^2/NDF: 531669.0/47

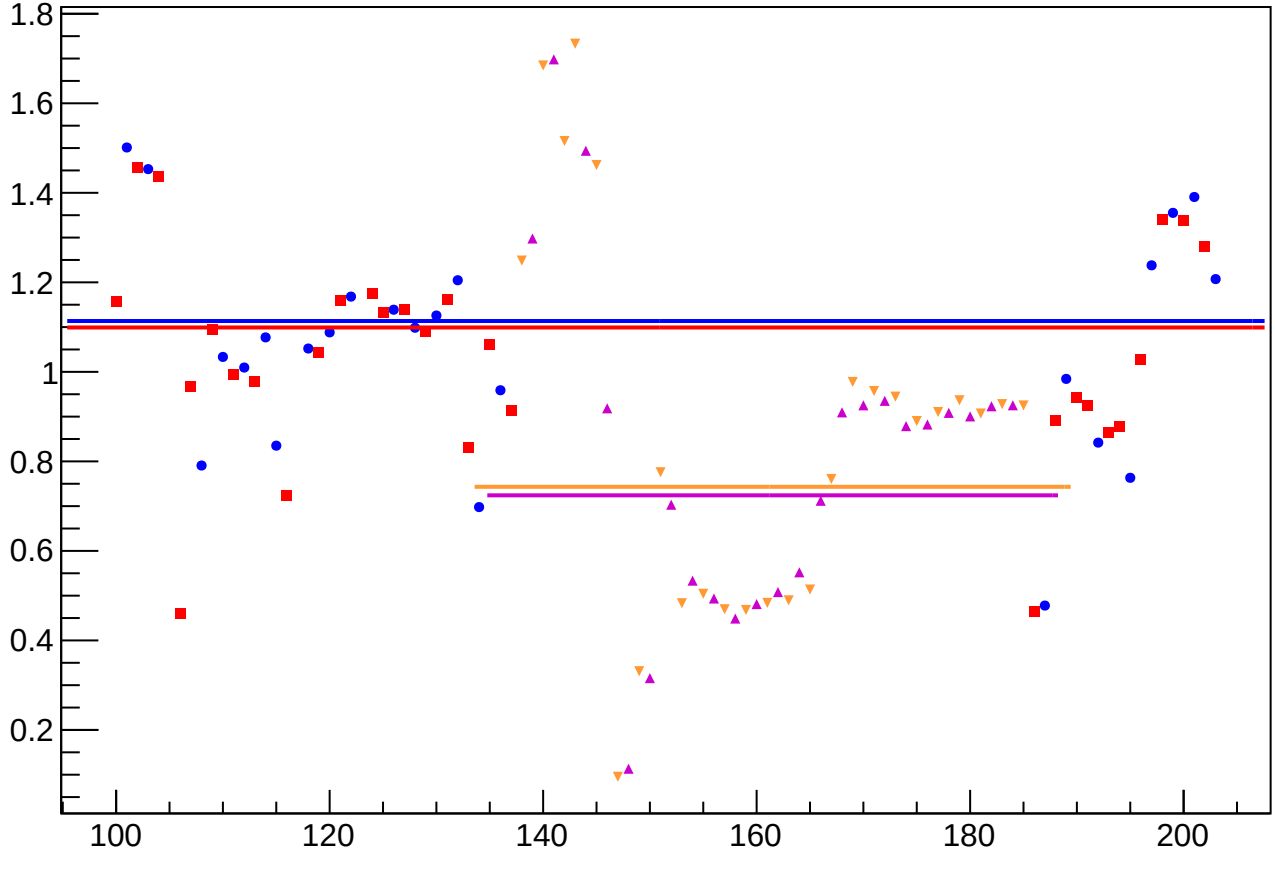
Right: 0.090+/-0.000 χ^2/NDF: 552114.1/52

In: 0.086+/-0.000 χ^2/NDF:557203.1/46

Out: 0.086+/-0.000 χ^2/NDF:747568.6/53

All: 0.086+/-0.000 χ^2/NDF: 1305556.1/100

yield_bpm0r05Y_mean vs Slug, Sign Corrected



Right In: 1.114+/-0.000 χ^2/NDF: 4992283332.6/23

Left Out: 0.743+/-0.000 χ^2/NDF:32581746516.6/24

Right Out: 1.099+/-0.000 χ^2/NDF: 4541581867.6/28

Left In: 0.724+/-0.000 χ^2/NDF:25654534031.9/22

Left: 0.734+/-0.000 χ^2/NDF: 58283506093.5/47

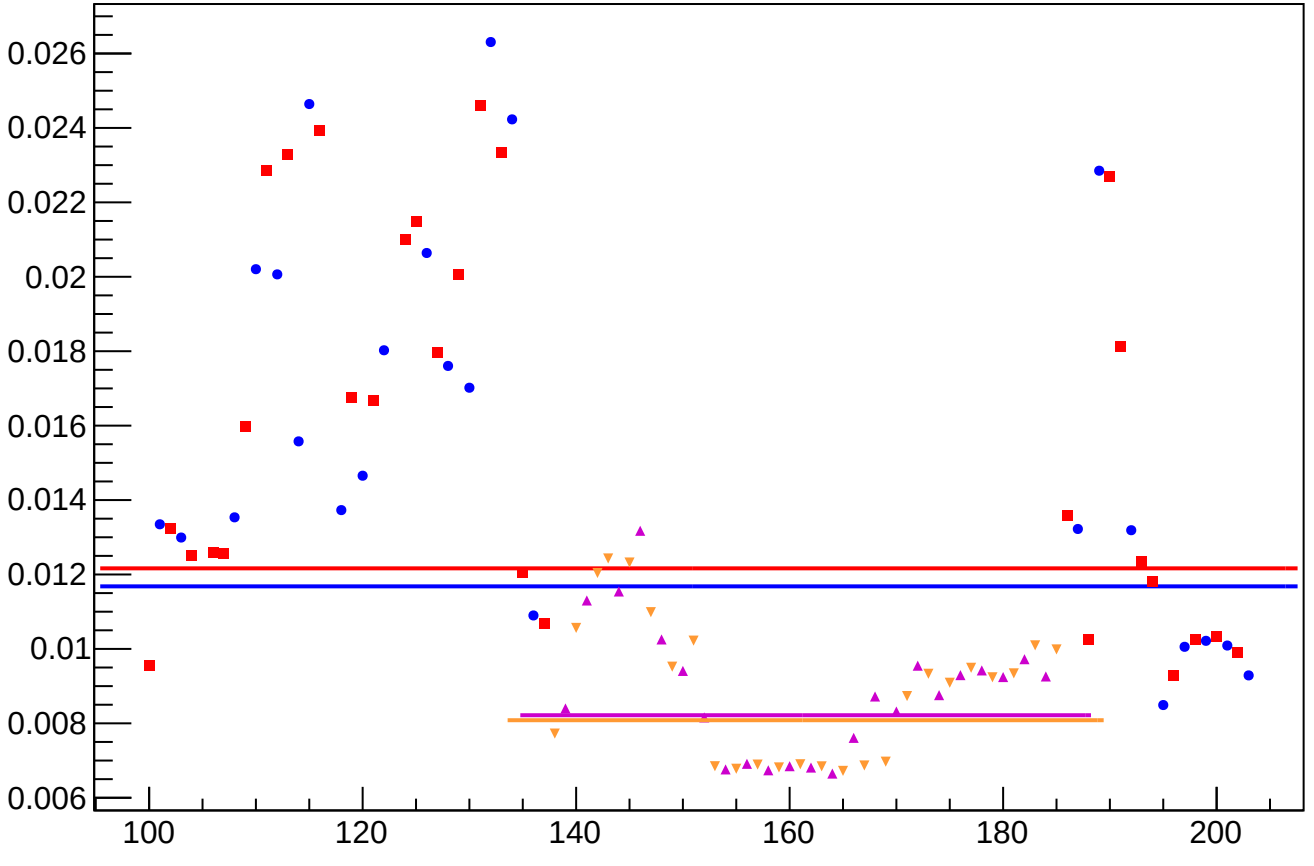
Right: 1.106+/-0.000 χ^2/NDF: 9542450174.2/52

In: 0.821+/-0.000 χ^2/NDF:39985868127.8/46

Out: 0.826+/-0.000 χ^2/NDF:45144140897.1/53

All: 0.824+/-0.000 χ^2/NDF: 85134830970.6/1

yield_bpm0r05Y_rms vs Slug, Sign Corrected



Right In: 0.012+/-0.000 χ^2/NDF: 1907721.7/23

Left Out: 0.008+/-0.000 χ^2/NDF:1406307.1/24

Right Out: 0.012+/-0.000 χ^2/NDF: 1957203.1/28

Left In: 0.008+/-0.000 χ^2/NDF:1127833.6/22

Left: 0.008+/-0.000 χ^2/NDF: 2538791.6/47

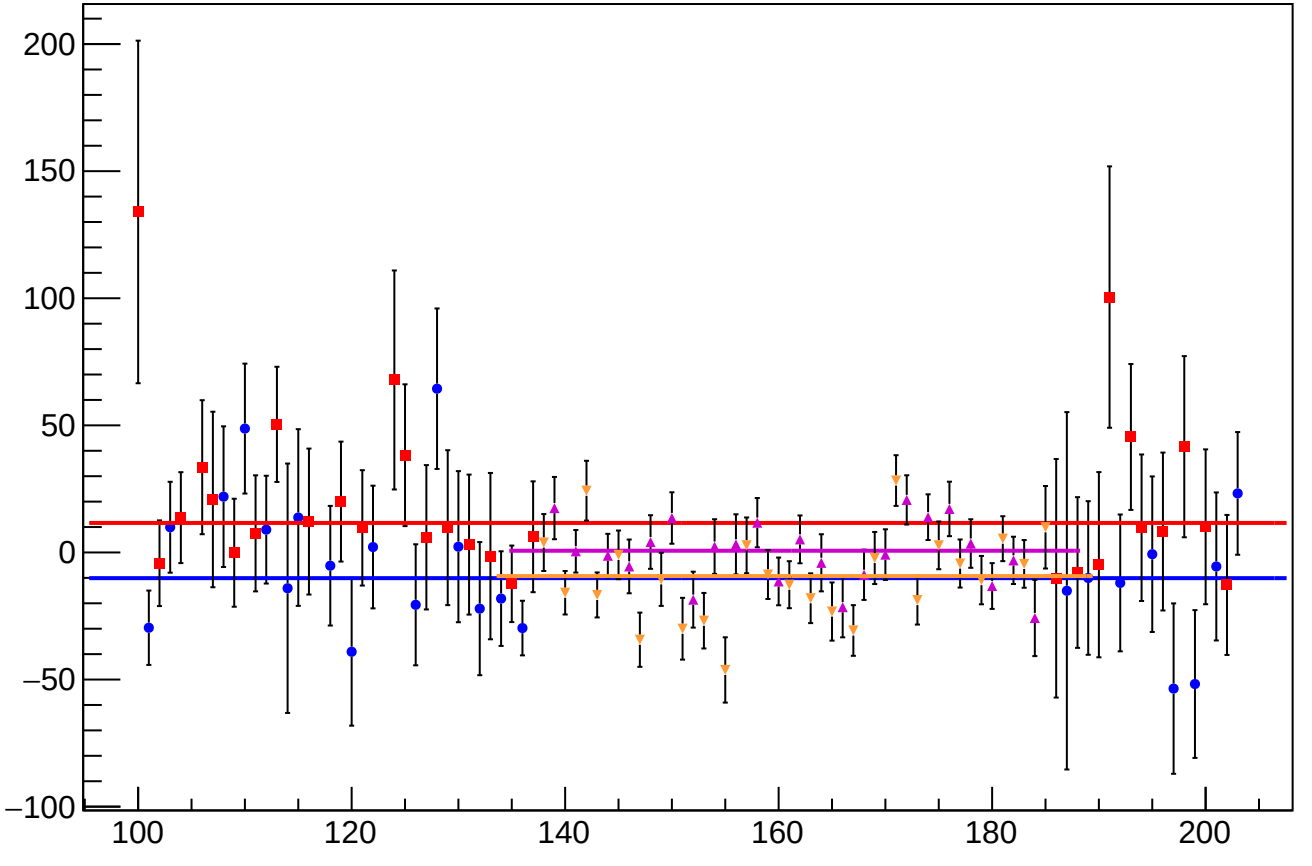
Right: 0.012+/-0.000 χ^2/NDF: 3884193.7/52

In: 0.009+/-0.000 χ^2/NDF:4512232.0/46

Out: 0.009+/-0.000 χ^2/NDF:5472480.5/53

All: 0.009+/-0.000 χ^2/NDF: 9985335.0/100

diff_bpm4aX_mean vs Slug, Sign Corrected



Right In: -10.107+/-4.744 χ^2/NDF: 27.7/23

Left Out: -9.292+/-2.031 χ^2/NDF:61.1/24

Right Out: 11.609+/-4.853 χ^2/NDF: 20.6/28

Left In: 0.676+/-2.104 χ^2/NDF:29.4/22

Left: -4.485+/-1.461 χ^2/NDF: 102.2/47

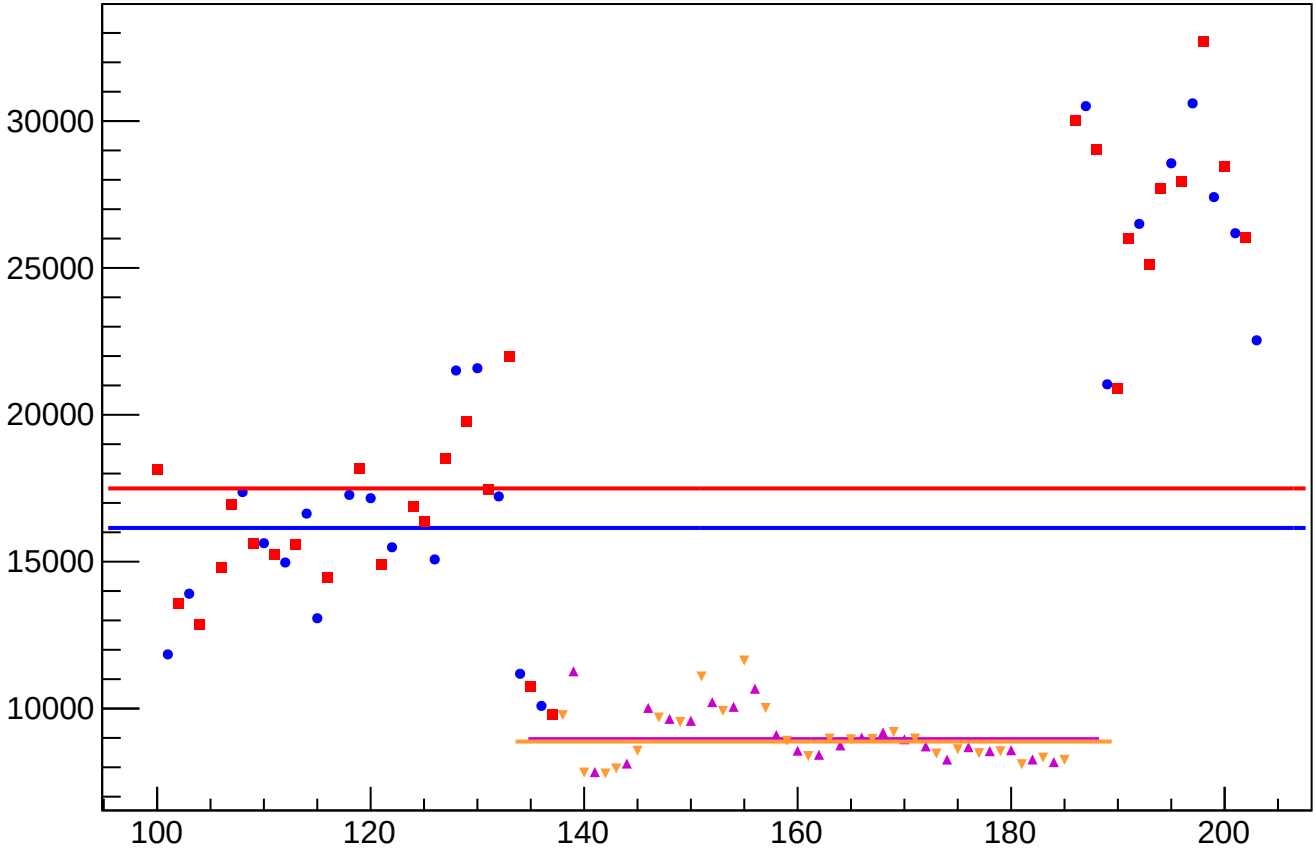
Right: 0.503+/-3.392 χ^2/NDF: 58.6/52

In: -1.097+/-1.923 χ^2/NDF:61.4/46

Out: -6.178+/-1.873 χ^2/NDF:97.5/53

All: -3.705+/-1.342 χ^2/NDF: 162.6/100

diff_bpm4aX_rms vs Slug, Sign Corrected



Right In: 16148.034+/-3.354 χ^2/NDF: 2961318.5/23

Left Out: 8875.623+/-1.436 χ^2/NDF:346964.6/24

Right Out: 17493.250+/-3.432 χ^2/NDF: 3020784.0/28

Left In: 8958.661+/-1.488 χ^2/NDF:301724.6/22

Left: 8915.664+/-1.033 χ^2/NDF: 650301.9/47

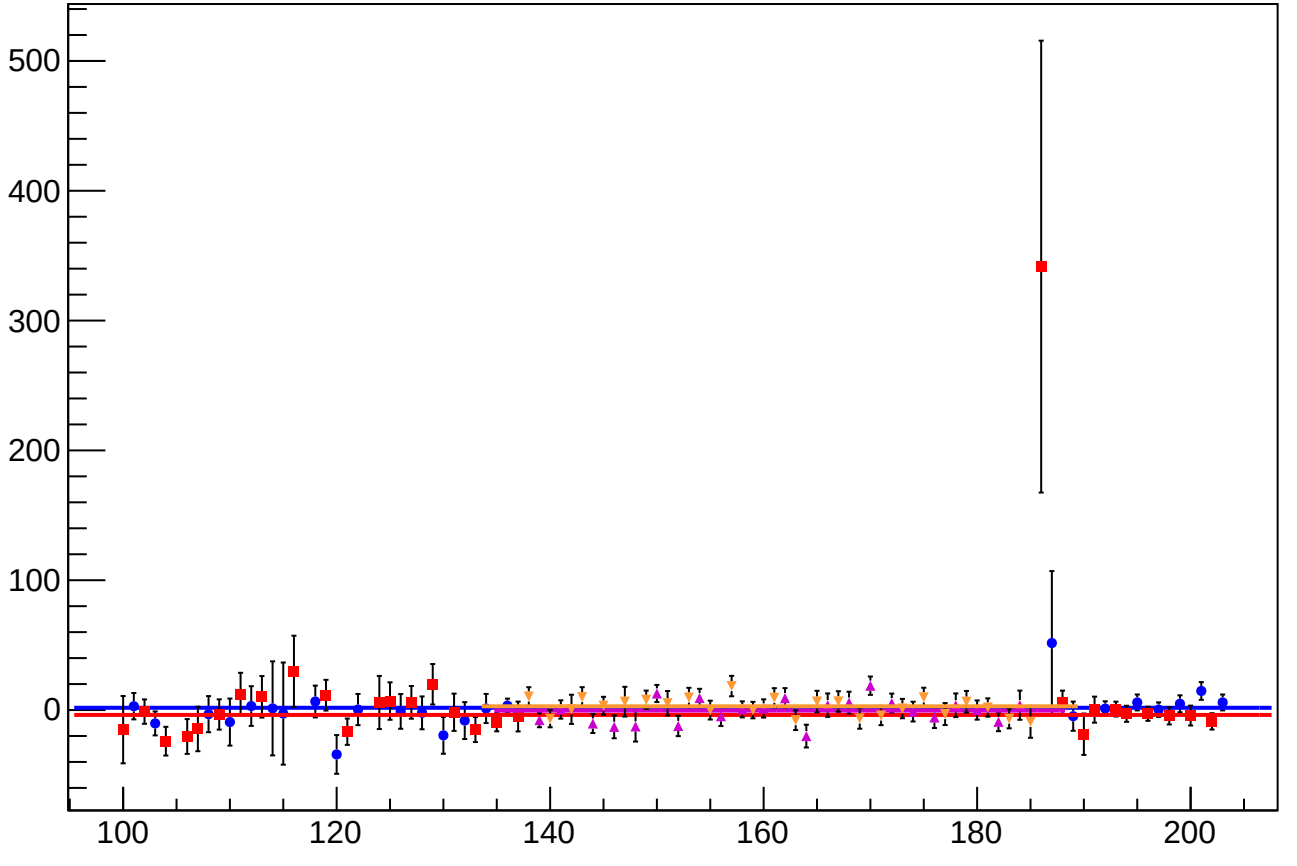
Right: 16805.261+/-2.399 χ^2/NDF: 6060685.4/52

In: 10140.724+/-1.360 χ^2/NDF:7101811.6/46

Out: 10159.427+/-1.325 χ^2/NDF:8734020.0/53

All: 10150.323+/-0.949 χ^2/NDF: 15835928.7

diff_bpm4aY_mean vs Slug, Sign Corrected



Right In: 1.729+/-1.866 χ^2/NDF: 17.1/23

Left Out: 2.879+/-1.554 χ^2/NDF:19.5/24

Right Out: -3.776+/-1.810 χ^2/NDF: 25.0/28

Left In: -0.456+/-1.581 χ^2/NDF:32.8/22

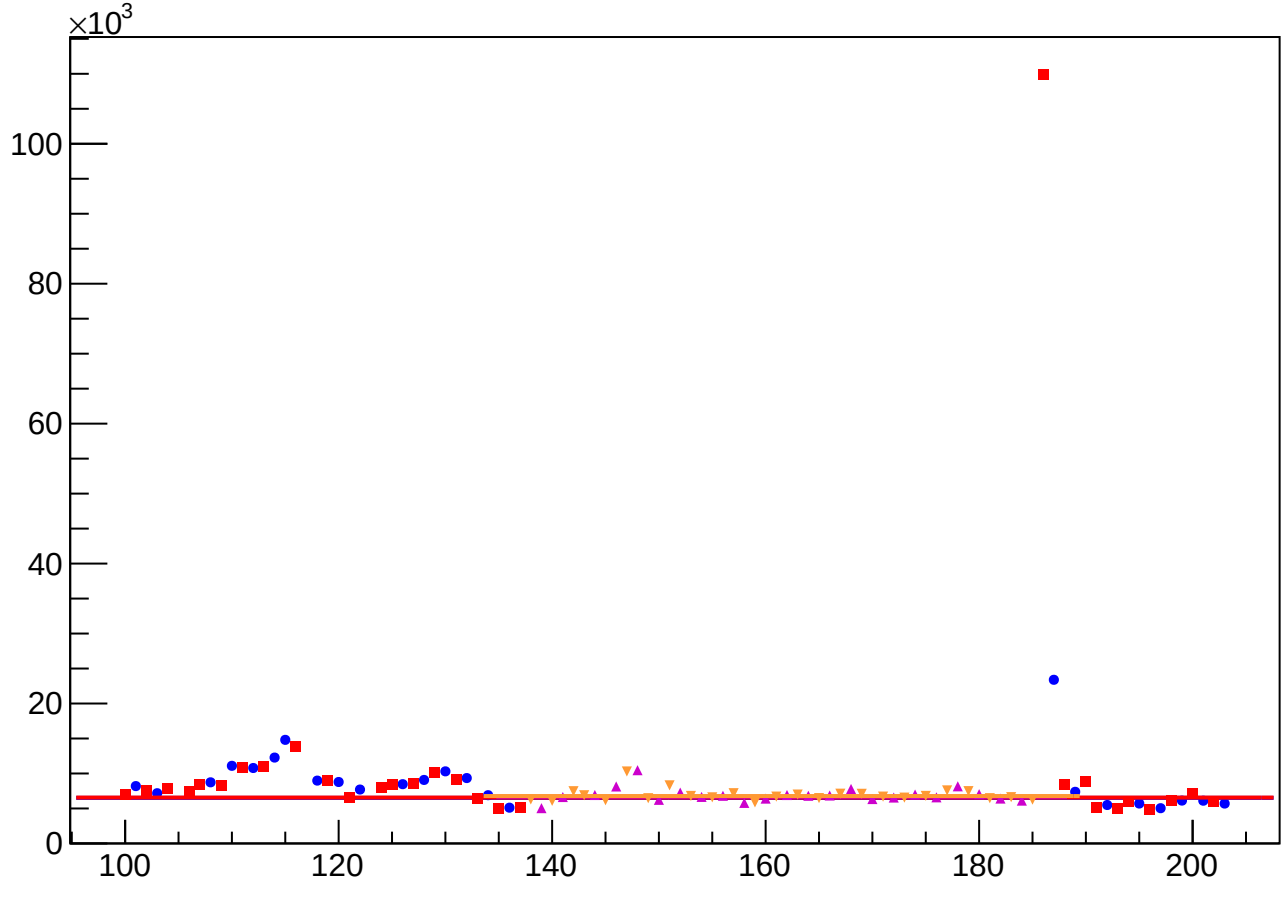
Left: 1.241+/-1.108 χ^2/NDF: 54.5/47

Right: -1.106+/-1.299 χ^2/NDF: 46.6/52

In: 0.458+/-1.206 χ^2/NDF:50.7/46

Out: 0.056+/-1.179 χ^2/NDF:52.3/53

All: 0.252+/-0.843 χ^2/NDF: 103.0/100



Right In: 6513.581+/-1.319 χ^2/NDF: 1656670.7/23

Left Out: 6776.739+/-1.099 χ^2/NDF:400166.7/24

Right Out: 6556.908+/-1.280 χ^2/NDF: 2323704.4/28

Left In: 6689.550+/-1.118 χ^2/NDF:620276.8/22

Left: 6733.914+/-0.784 χ^2/NDF: 1023536.8/47

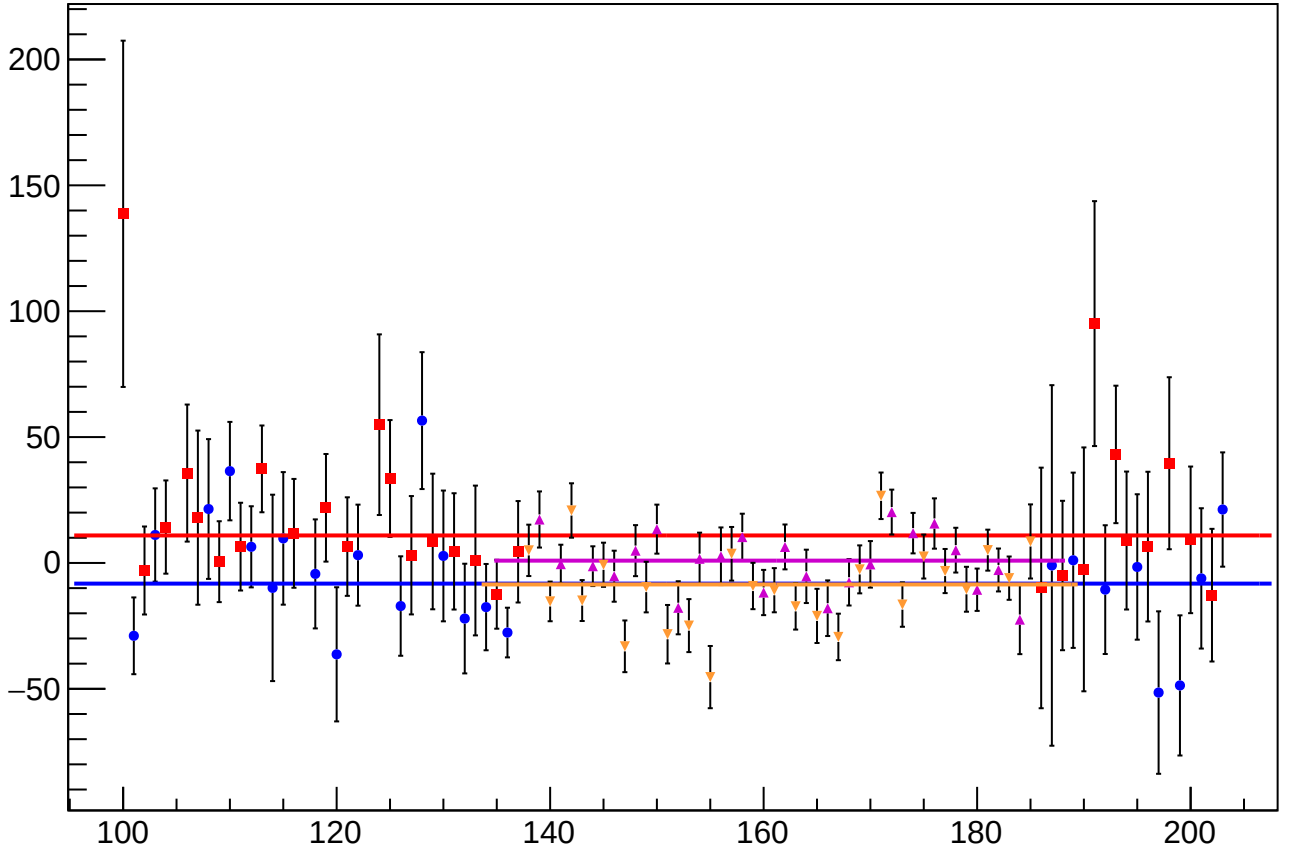
Right: 6535.897+/-0.919 χ^2/NDF: 3980930.6/52

In: 6615.979+/-0.853 χ^2/NDF:2287300.5/46

Out: 6683.495+/-0.834 χ^2/NDF:2740852.5/53

All: 6650.510+/-0.596 χ^2/NDF: 5031357.0/10

diff_bpm4eX_mean vs Slug, Sign Corrected



Right In: -8.206+/-4.320 χ^2/NDF: 28.4/23

Left Out: -8.536+/-1.897 χ^2/NDF:61.9/24

Right Out: 10.926+/-4.369 χ^2/NDF: 20.4/28

Left In: 0.919+/-1.969 χ^2/NDF:29.1/22

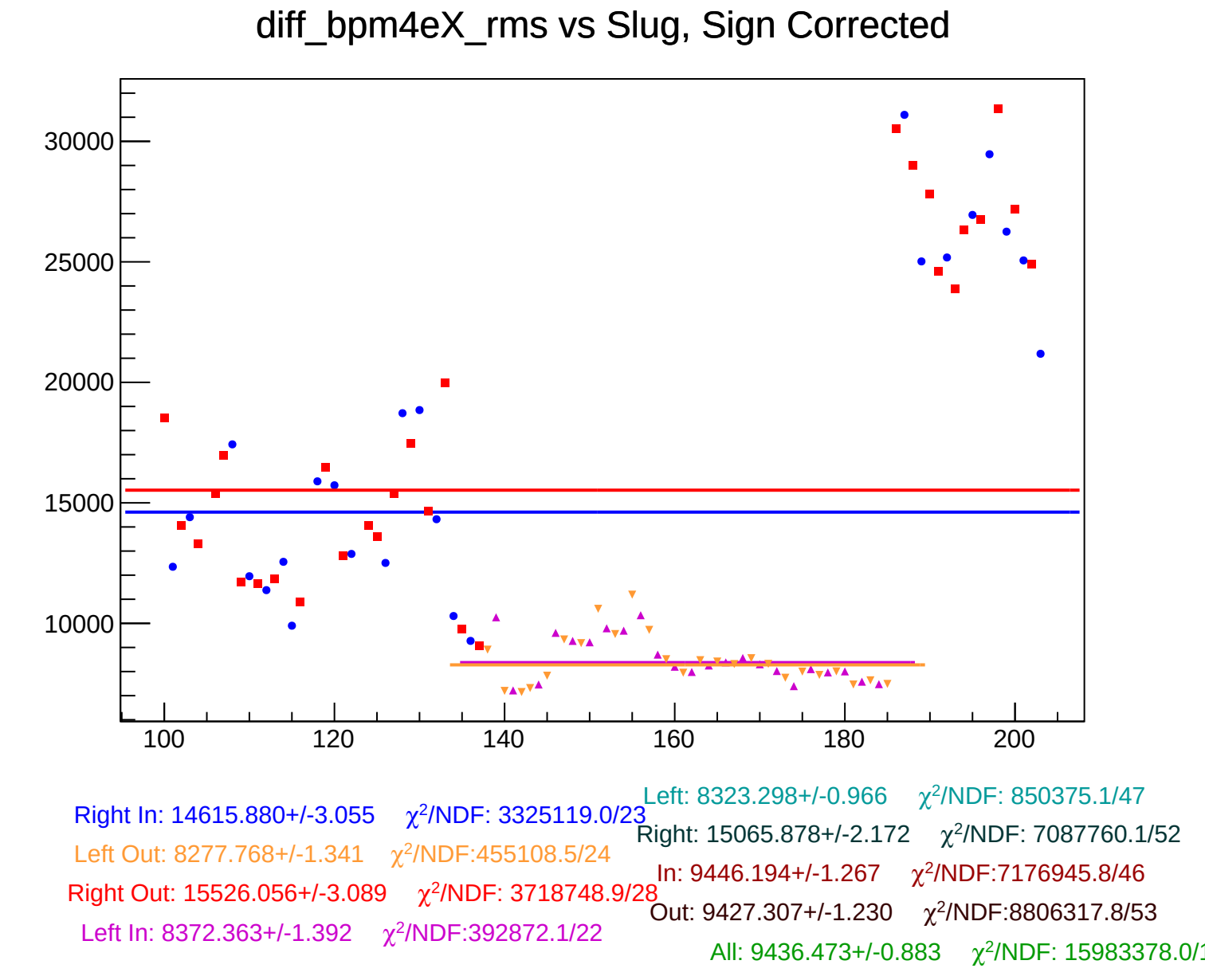
Left: -3.985+/-1.366 χ^2/NDF: 103.0/47

Right: 1.253+/-3.072 χ^2/NDF: 58.5/52

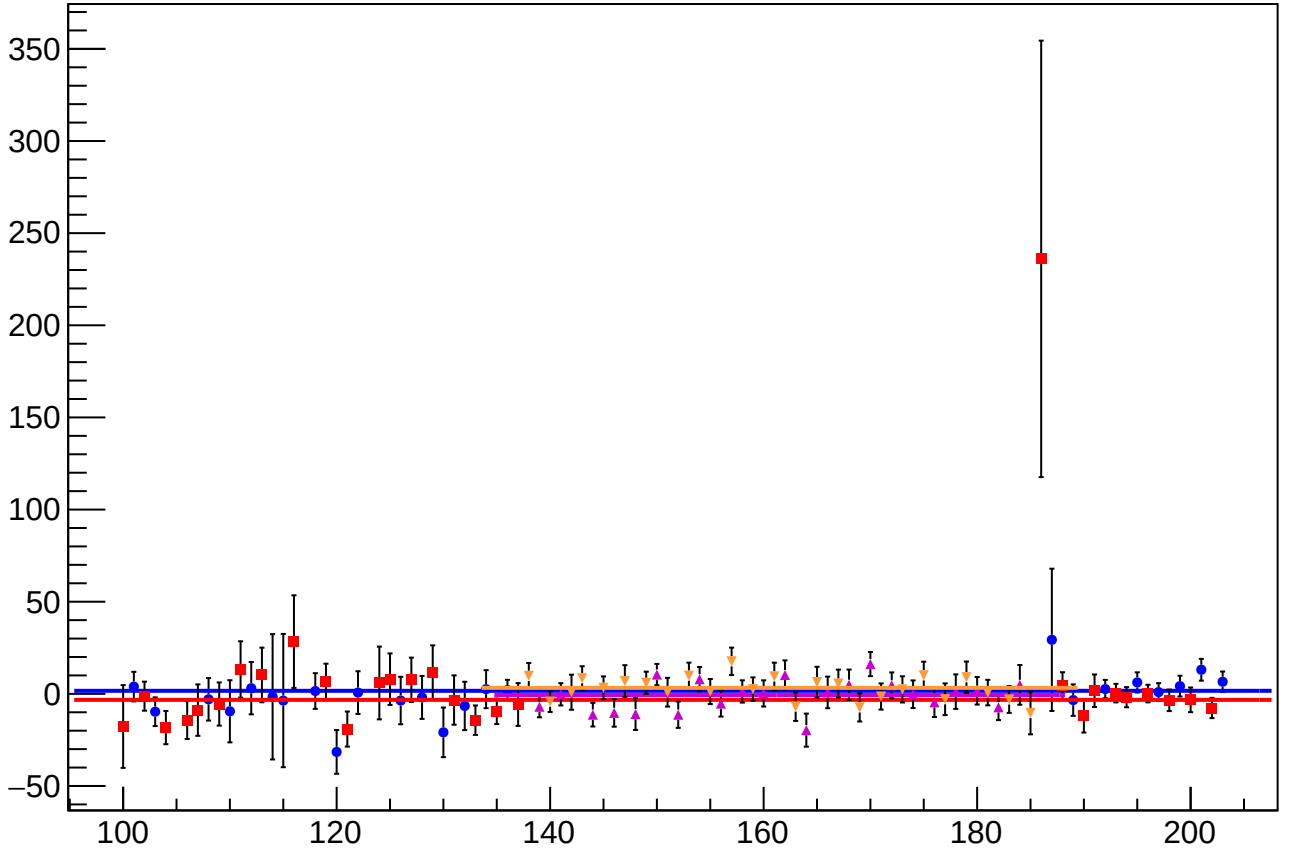
In: -0.650+/-1.792 χ^2/NDF:61.2/46

Out: -5.450+/-1.740 χ^2/NDF:99.0/53

All: -3.120+/-1.248 χ^2/NDF: 163.9/100


diff_bpm4eX_rms vs Slug, Sign Corrected
30000
25000
20000
15000
10000
100
120
140
160
180
200
Right In: 14615.880+/-3.055 χ²/NDF: 3325119.0/23
Left Out: 8277.768+/-1.341 χ²/NDF:455108.5/24
Right Out: 15526.056+/-3.089 χ²/NDF: 3718748.9/28
Left In: 8372.363+/-1.392 χ²/NDF:392872.1/22
Left: 8323.298+/-0.966 χ²/NDF: 850375.1/47
Right: 15065.878+/-2.172 χ²/NDF: 7087760.1/52
In: 9446.194+/-1.267 χ²/NDF:7176945.8/46
Out: 9427.307+/-1.230 χ²/NDF:8806317.8/53
All: 9436.473+/-0.883 χ²/NDF: 15983378.0/1

diff_bpm4eY_mean vs Slug, Sign Corrected



Right In: 1.647+/-1.656 χ^2/NDF: 20.4/23

Left Out: 3.255+/-1.457 χ^2/NDF:17.6/24

Right Out: -3.268+/-1.584 χ^2/NDF: 25.7/28

Left In: -0.645+/-1.499 χ^2/NDF:30.8/22

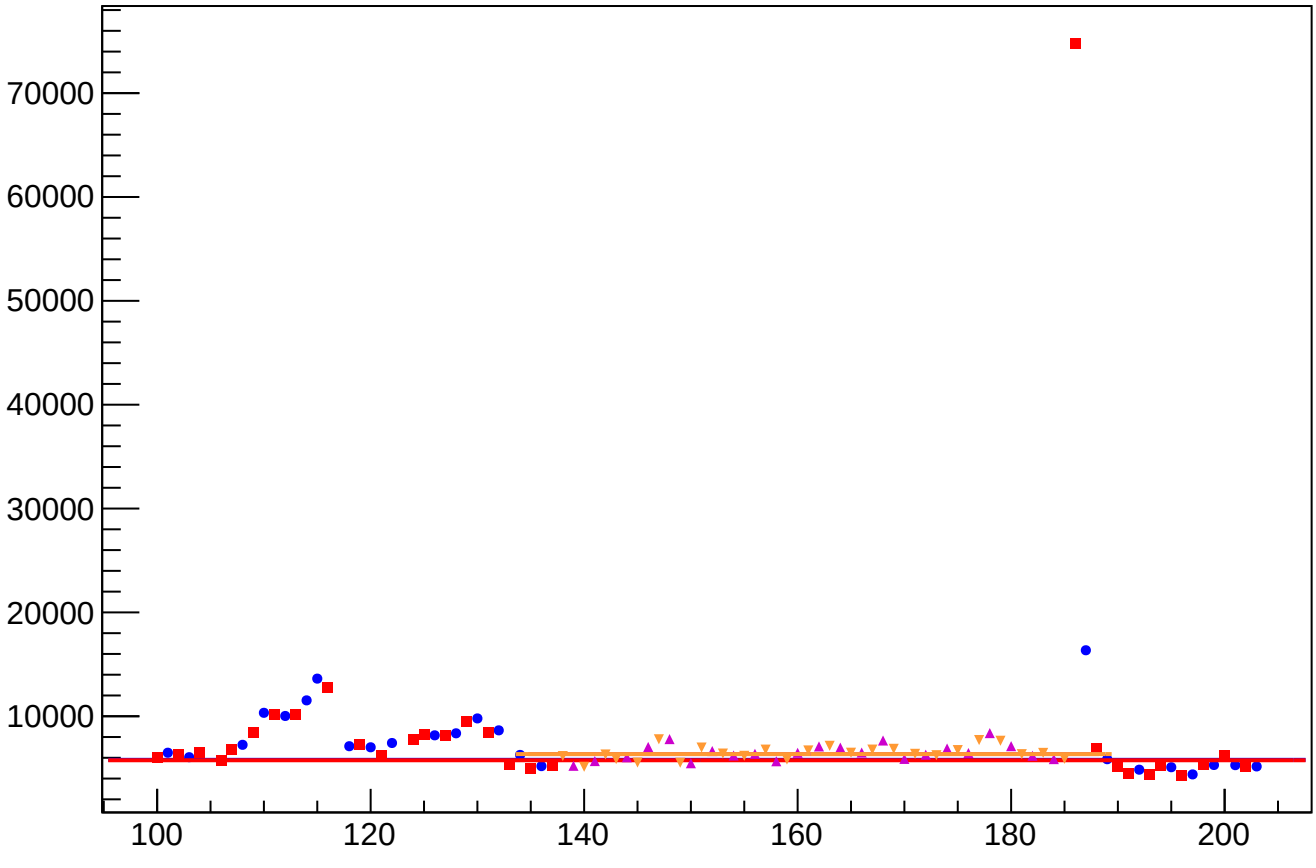
Left: 1.360+/-1.045 χ^2/NDF: 51.9/47

Right: -0.920+/-1.145 χ^2/NDF: 50.7/52

In: 0.387+/-1.111 χ^2/NDF:52.3/46

Out: 0.265+/-1.072 χ^2/NDF:52.5/53

All: 0.324+/-0.772 χ^2/NDF: 104.7/100



Right In: 5802.889+/-1.171 χ^2/NDF: 1556279.7/23

Left Out: 6357.608+/-1.030 χ^2/NDF:414119.5/24

Right Out: 5762.972+/-1.120 χ^2/NDF: 2291856.4/28

Left In: 6359.907+/-1.060 χ^2/NDF:473875.4/22

Left: 6358.725+/-0.739 χ^2/NDF: 887997.3/47

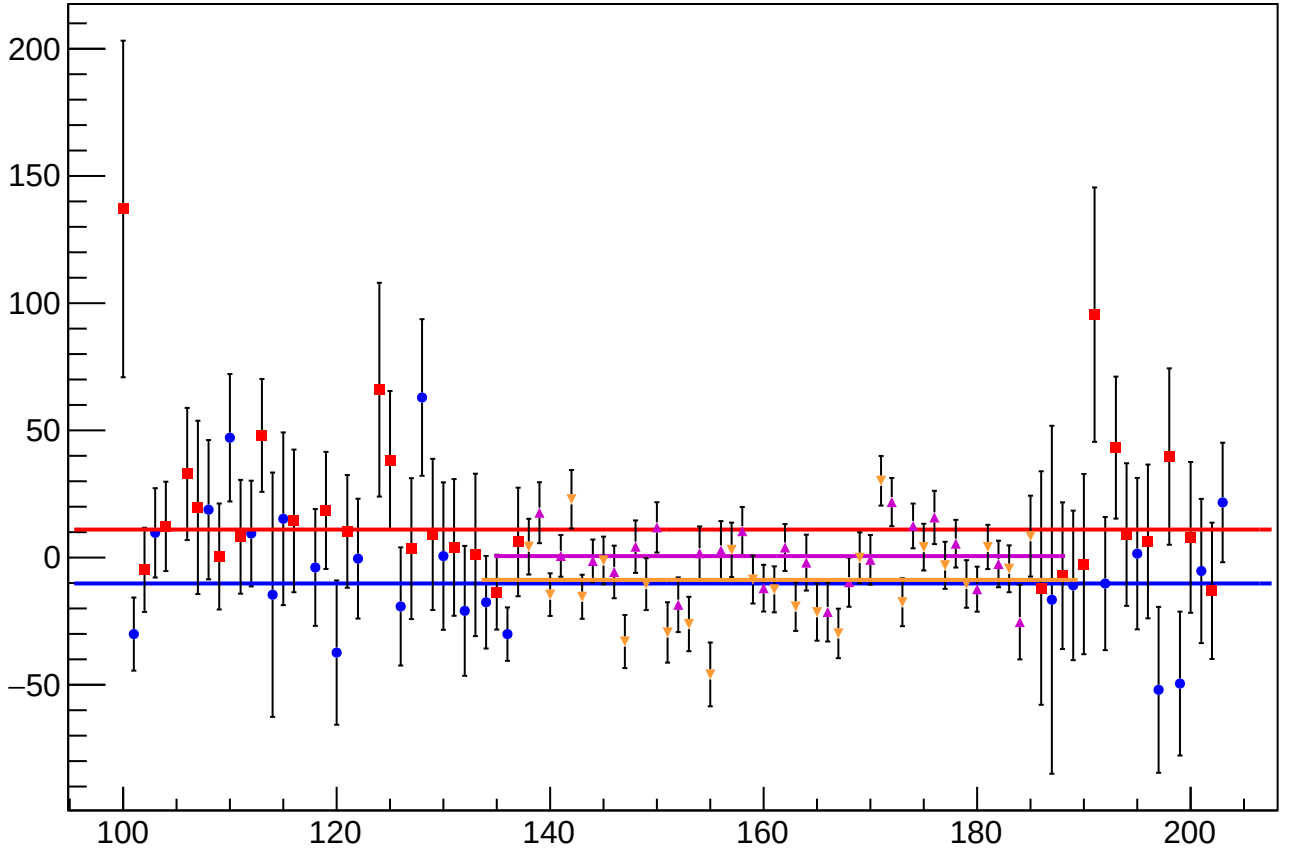
Right: 5782.042+/-0.809 χ^2/NDF: 3848743.0/52

In: 6109.012+/-0.786 χ^2/NDF:2154506.0/46

Out: 6085.032+/-0.758 χ^2/NDF:2858644.6/53

All: 6096.593+/-0.546 χ^2/NDF: 5013632.8/10

diff_bpm4acX_mean vs Slug, Sign Corrected



Right In: -10.179+/-4.637 χ^2/NDF: 27.7/23

Left Out: -8.767+/-1.987 χ^2/NDF:62.7/24

Right Out: 11.015+/-4.744 χ^2/NDF: 20.8/28

Left In: 0.579+/-2.059 χ^2/NDF:29.6/22

Left: -4.260+/-1.430 χ^2/NDF: 102.9/47

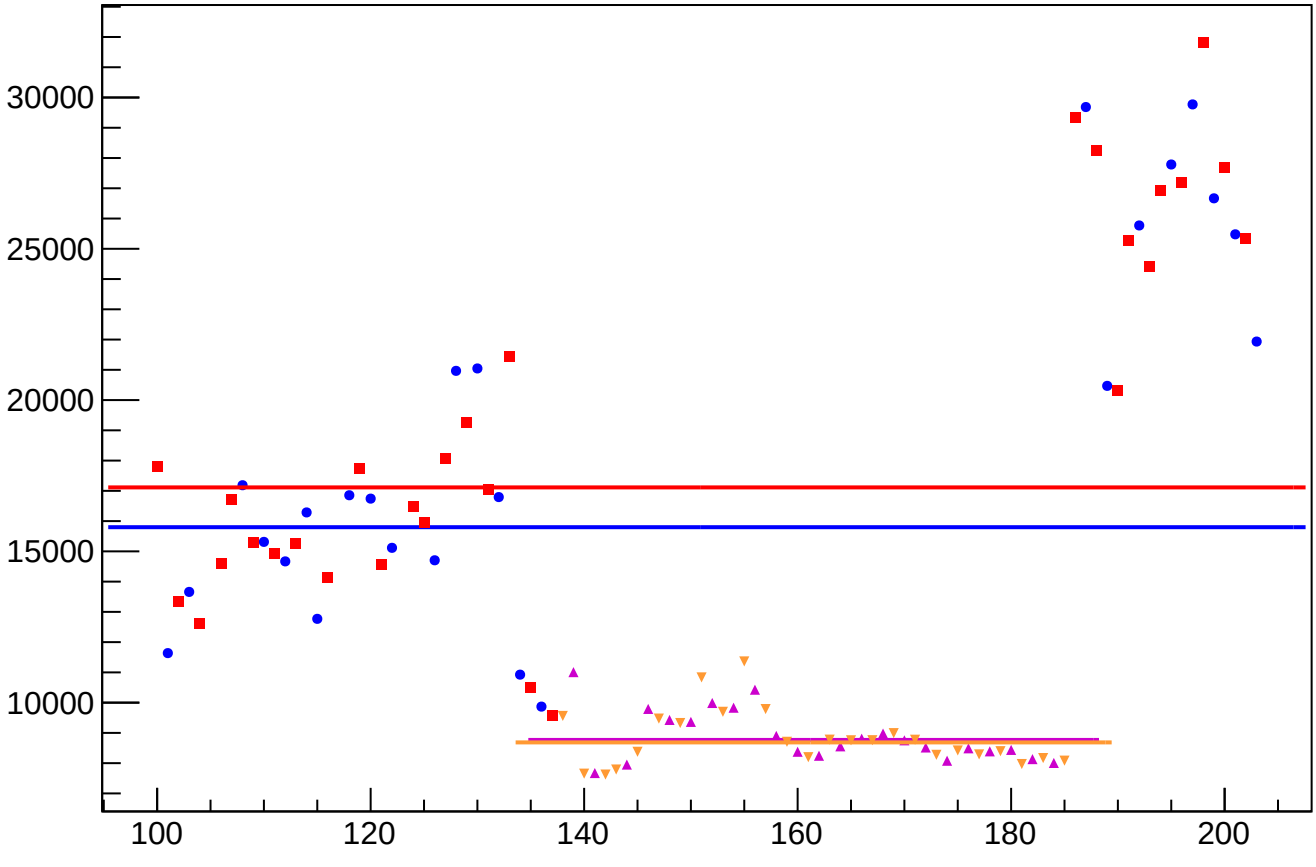
Right: 0.176+/-3.316 χ^2/NDF: 58.7/52

In: -1.193+/-1.882 χ^2/NDF:61.7/46

Out: -5.814+/-1.833 χ^2/NDF:98.3/53

All: -3.565+/-1.313 χ^2/NDF: 163.1/100

diff_bpm4acX_rms vs Slug, Sign Corrected



Right In: 15798.747+/-3.279 χ^2/NDF: 2924042.0/23

Left Out: 8686.048+/-1.405 χ^2/NDF:340655.6/24

Right Out: 17113.898+/-3.355 χ^2/NDF: 2977136.2/28

Left In: 8767.705+/-1.456 χ^2/NDF:295552.8/22

Left: 8725.421+/-1.011 χ^2/NDF: 637837.1/47

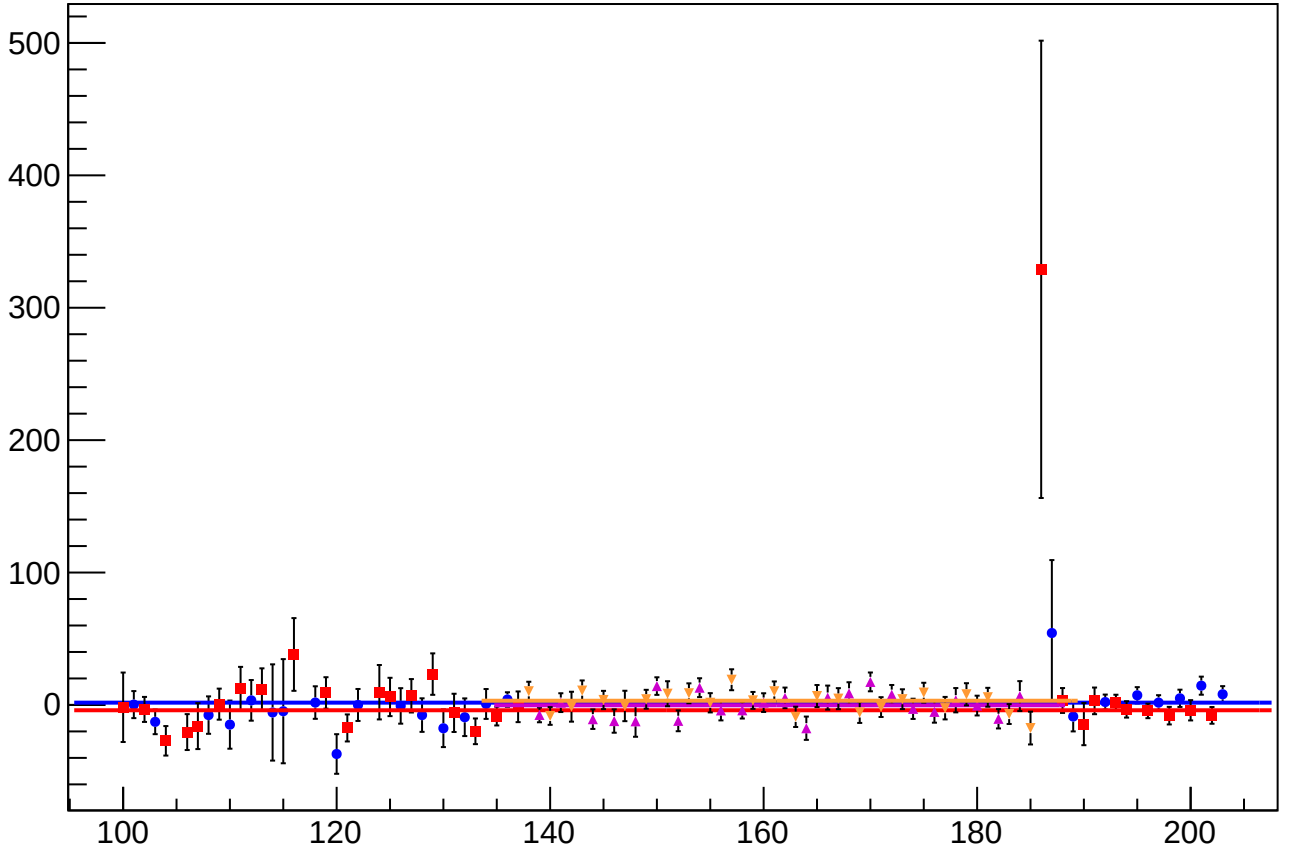
Right: 16441.333+/-2.345 χ^2/NDF: 5979780.8/52

In: 9925.740+/-1.331 χ^2/NDF:7060295.6/46

Out: 9943.833+/-1.296 χ^2/NDF:8687705.2/53

All: 9935.026+/-0.928 χ^2/NDF: 15748095.6/1

diff_bpm4acY_mean vs Slug, Sign Corrected



Right In: 1.731+/-1.872 χ^2/NDF: 21.2/23

Left Out: 3.171+/-1.562 χ^2/NDF:21.7/24

Right Out: -4.020+/-1.818 χ^2/NDF: 28.6/28

Left In: -0.269+/-1.590 χ^2/NDF:34.2/22

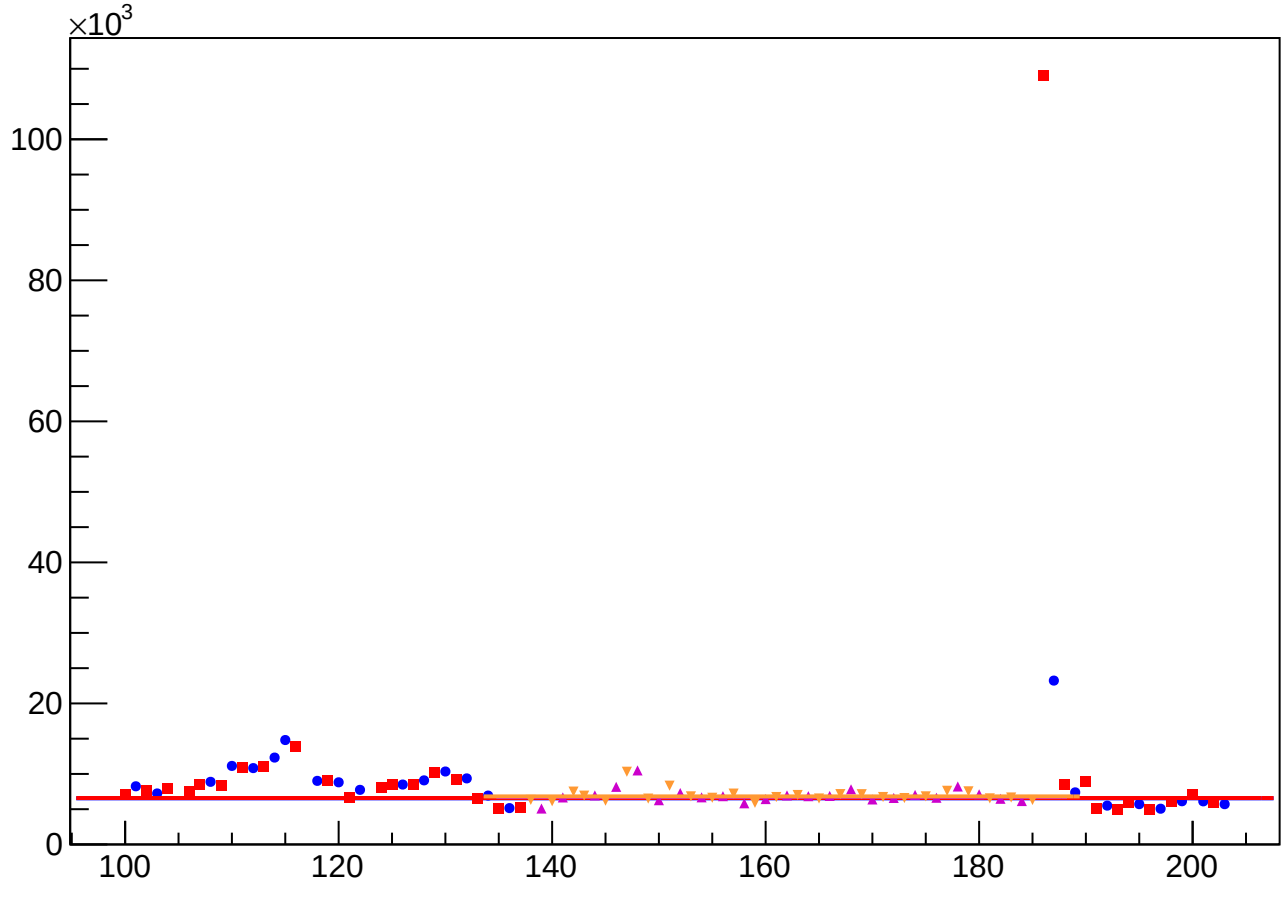
Left: 1.482+/-1.114 χ^2/NDF: 58.3/47

Right: -1.229+/-1.304 χ^2/NDF: 54.7/52

In: 0.569+/-1.212 χ^2/NDF:56.1/46

Out: 0.117+/-1.185 χ^2/NDF:59.3/53

All: 0.338+/-0.847 χ^2/NDF: 115.5/100



Right In: 6537.891+/-1.324 χ^2/NDF: 1655881.3/23

Left Out: 6812.964+/-1.104 χ^2/NDF:394620.8/24

Right Out: 6585.650+/-1.285 χ^2/NDF: 2317308.8/28

Left In: 6727.864+/-1.124 χ^2/NDF:610037.3/22

Left: 6771.179+/-0.788 χ^2/NDF: 1007573.6/47

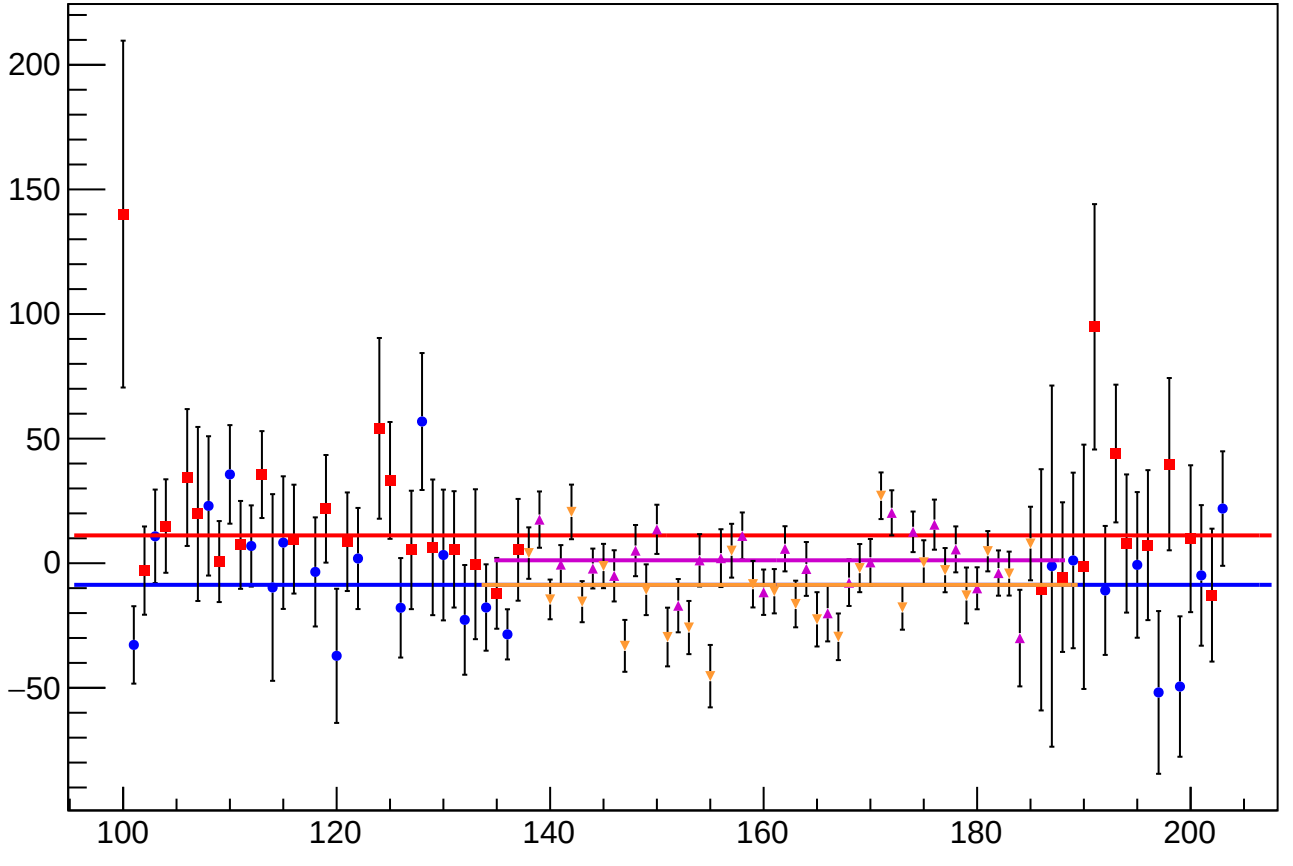
Right: 6562.477+/-0.922 χ^2/NDF: 3973860.0/52

In: 6648.258+/-0.857 χ^2/NDF:2277879.7/46

Out: 6716.423+/-0.838 χ^2/NDF:2729922.5/53

All: 6683.121+/-0.599 χ^2/NDF: 5011037.4/10

diff_bpm4ecX_mean vs Slug, Sign Corrected



Right In: -8.673+/-4.378 χ^2/NDF: 29.1/23

Left Out: -8.692+/-1.936 χ^2/NDF:61.4/24

Right Out: 11.165+/-4.431 χ^2/NDF: 19.3/28

Left In: 1.174+/-2.012 χ^2/NDF:28.6/22

Left: -3.950+/-1.395 χ^2/NDF: 102.4/47

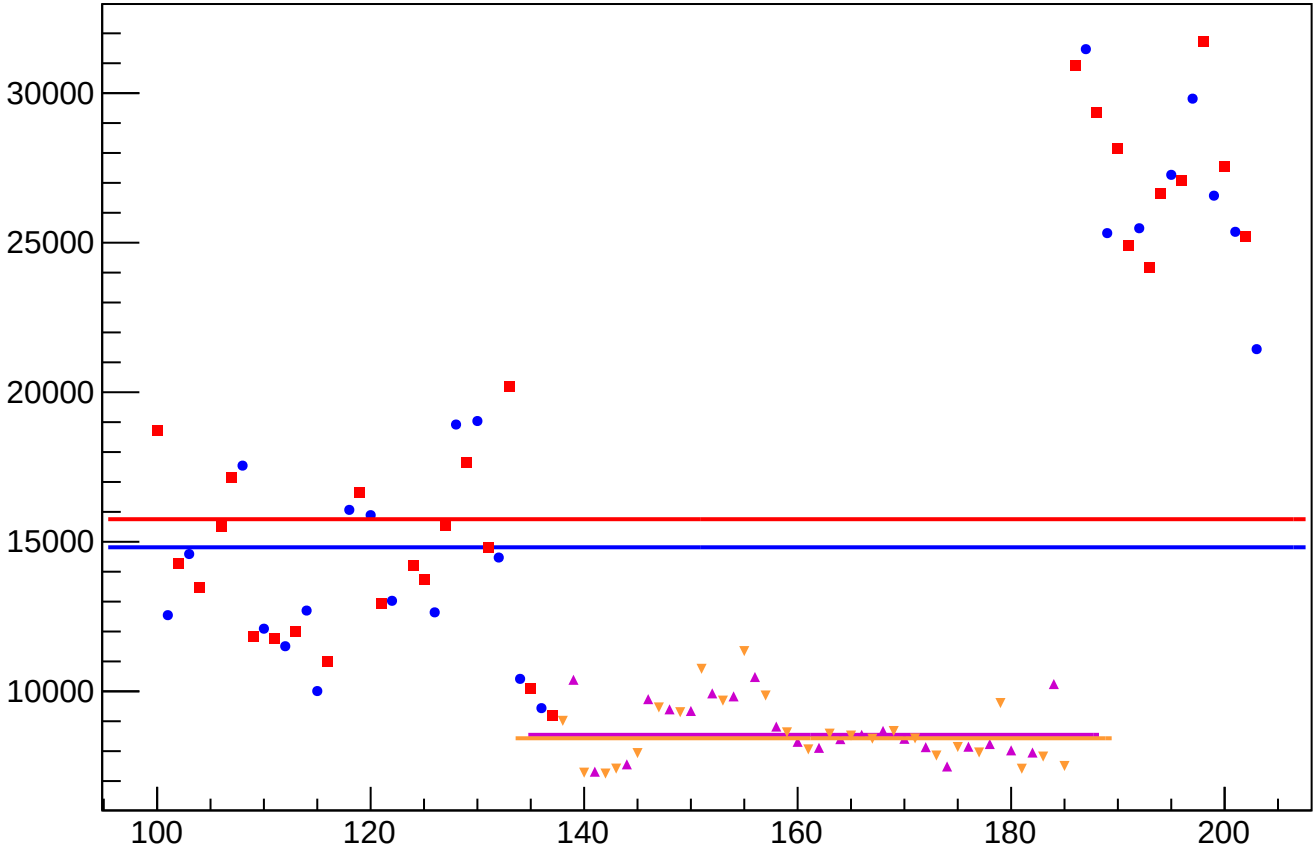
Right: 1.129+/-3.114 χ^2/NDF: 58.5/52

In: -0.543+/-1.828 χ^2/NDF:61.8/46

Out: -5.508+/-1.774 χ^2/NDF:97.6/53

All: -3.101+/-1.273 χ^2/NDF: 163.2/100

diff_bpm4ecX_rms vs Slug, Sign Corrected



Right In: 14816.161+/-3.096 χ^2/NDF: 3301900.6/23

Left Out: 8430.683+/-1.369 χ^2/NDF:484653.2/24

Right Out: 15755.210+/-3.133 χ^2/NDF: 3678910.4/28

Left In: 8545.534+/-1.423 χ^2/NDF:389747.0/22

Left: 8485.892+/-0.987 χ^2/NDF: 877783.2/47

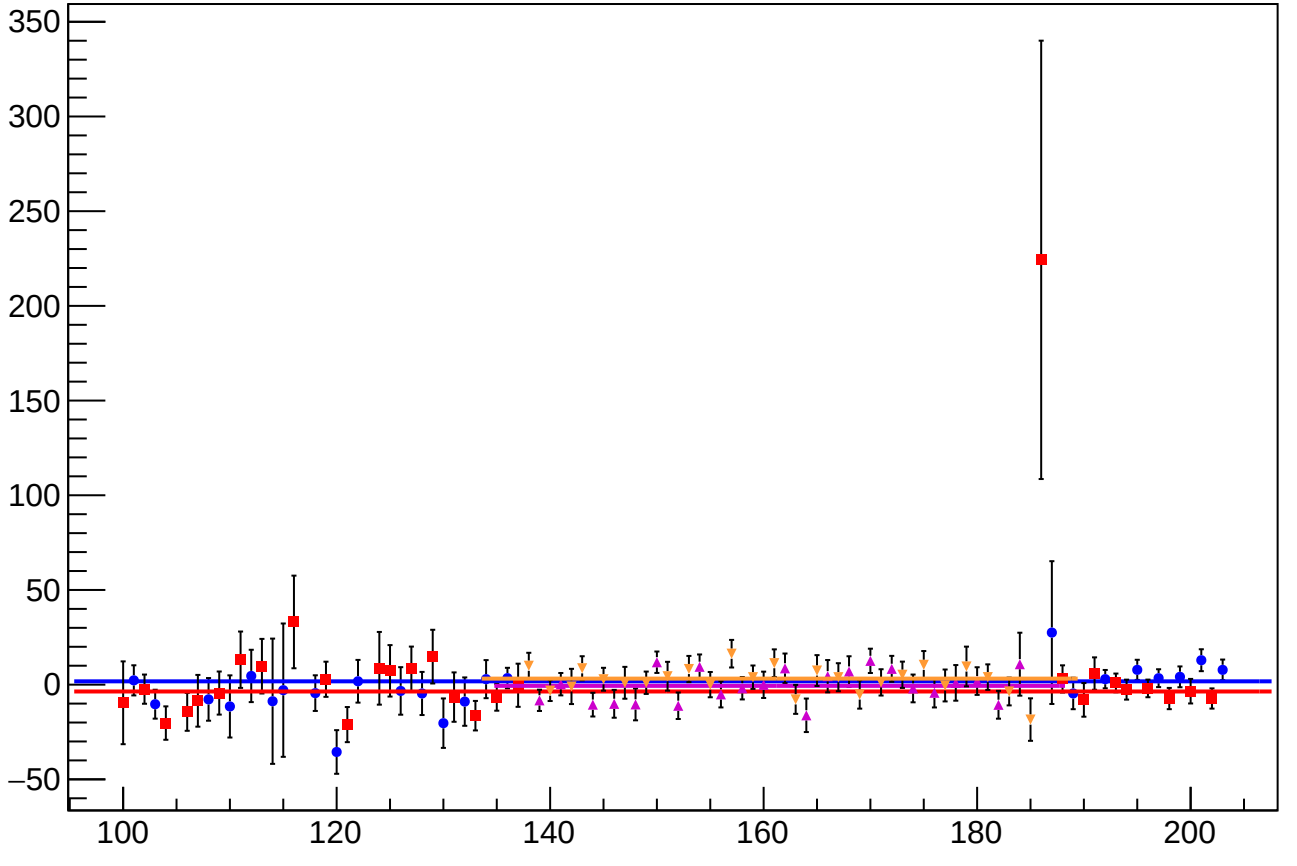
Right: 15280.105+/-2.202 χ^2/NDF: 7026263.1/52

In: 9639.152+/-1.293 χ^2/NDF:7078450.4/46

Out: 9605.070+/-1.255 χ^2/NDF:8752806.1/53

All: 9621.598+/-0.900 χ^2/NDF: 15831614.4/1

diff_bpm4ecY_mean vs Slug, Sign Corrected



Right In: 1.753+/-1.616 χ^2/NDF: 26.8/23

Left Out: 3.185+/-1.435 χ^2/NDF:18.7/24

Right Out: -3.606+/-1.544 χ^2/NDF: 28.3/28

Left In: -0.633+/-1.482 χ^2/NDF:31.8/22

Left: 1.337+/-1.031 χ^2/NDF: 53.9/47

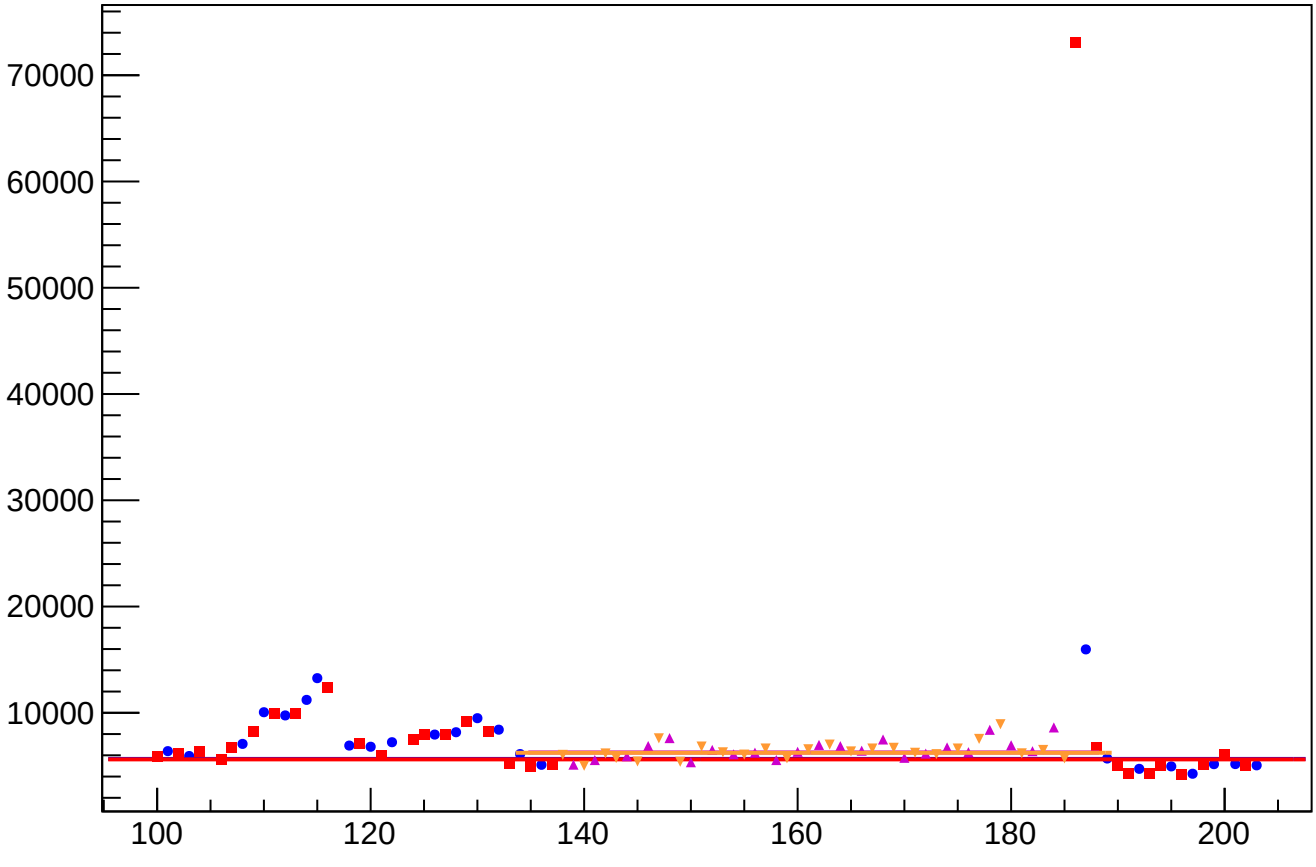
Right: -1.048+/-1.116 χ^2/NDF: 60.9/52

In: 0.457+/-1.092 χ^2/NDF:59.8/46

Out: 0.039+/-1.051 χ^2/NDF:57.4/53

All: 0.240+/-0.757 χ^2/NDF: 117.2/100

diff_bpm4ecY_rms vs Slug, Sign Corrected



Right In: 5659.582+/-1.143 χ^2/NDF: 1556897.8/23

Left Out: 6237.931+/-1.015 χ^2/NDF:507726.8/24

Right Out: 5617.322+/-1.092 χ^2/NDF: 2273828.8/28

Left In: 6268.263+/-1.048 χ^2/NDF:524326.6/22

Left: 6252.609+/-0.729 χ^2/NDF: 1032485.9/47

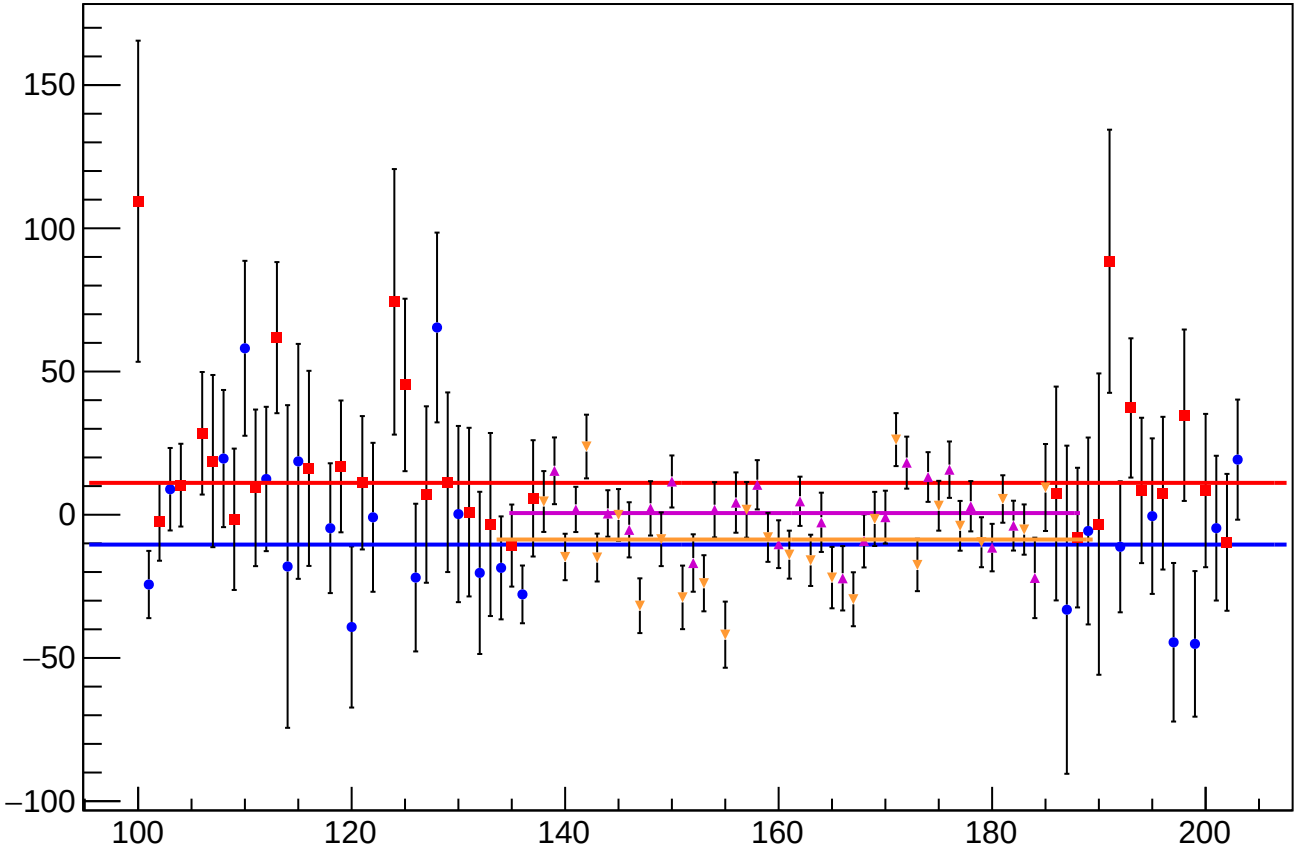
Right: 5637.495+/-0.789 χ^2/NDF: 3831441.4/52

In: 5990.247+/-0.772 χ^2/NDF:2235375.4/46

Out: 5950.422+/-0.743 χ^2/NDF:2954905.2/53

All: 5969.573+/-0.536 χ^2/NDF: 5191661.2/10

diff_bpm1X_mean vs Slug, Sign Corrected



Right In: -10.420+/-4.431 χ^2/NDF: 27.0/23

Left Out: -8.650+/-1.875 χ^2/NDF:63.0/24

Right Out: 11.125+/-4.561 χ^2/NDF: 20.9/28

Left In: 0.583+/-1.939 χ^2/NDF:28.5/22

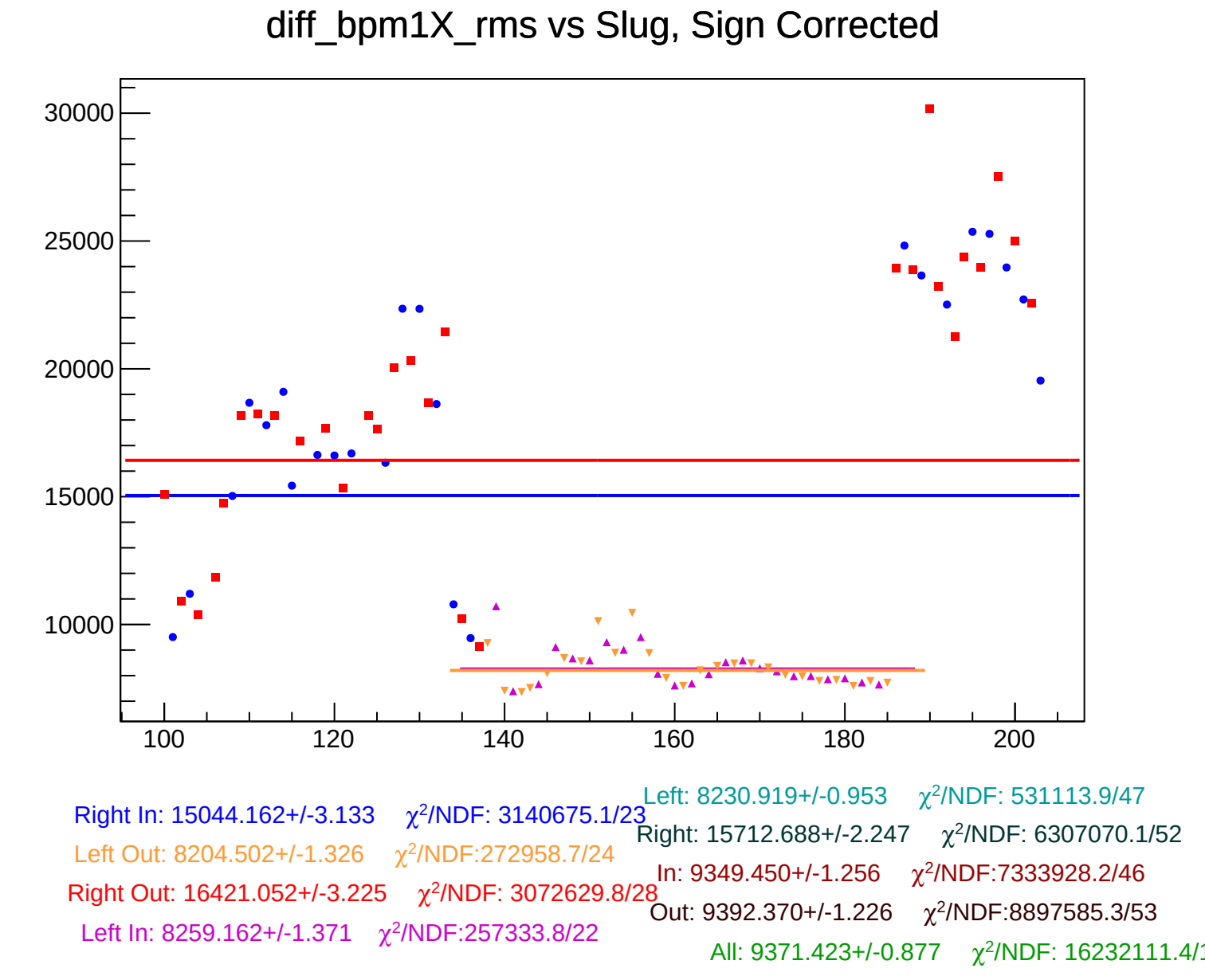
Left: -4.188+/-1.348 χ^2/NDF: 103.3/47

Right: 0.041+/-3.178 χ^2/NDF: 59.4/52

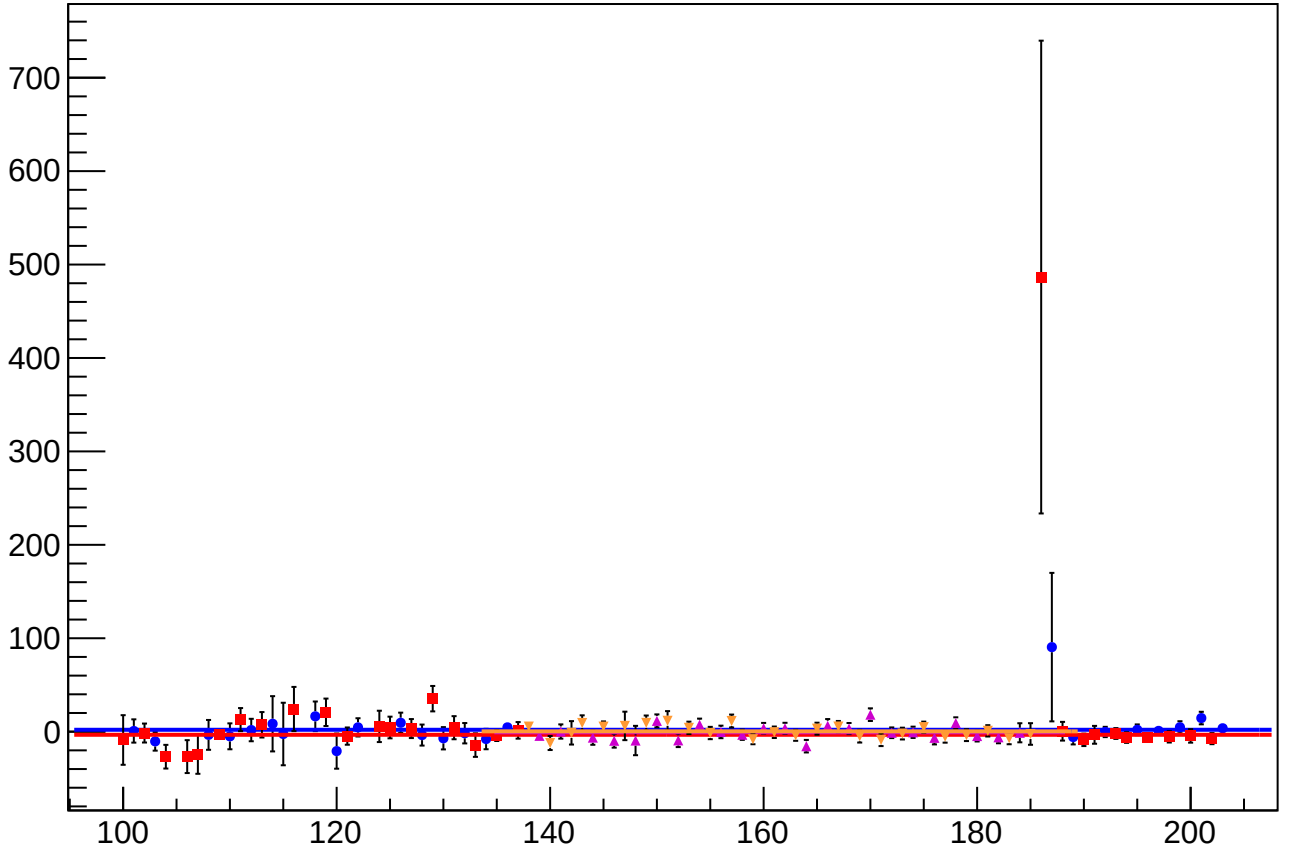
In: -1.185+/-1.776 χ^2/NDF:60.7/46

Out: -5.791+/-1.734 χ^2/NDF:100.0/53

All: -3.543+/-1.241 χ^2/NDF: 164.1/100


diff_bpm1X_rms vs Slug, Sign Corrected
30000
25000
20000
15000
10000
100
120
140
160
180
200
Right In: 15044.162+/-3.133 χ²/NDF: 3140675.1/23
Left Out: 8204.502+/-1.326 χ²/NDF:272958.7/24
Right Out: 16421.052+/-3.225 χ²/NDF: 3072629.8/28
Left In: 8259.162+/-1.371 χ²/NDF:257333.8/22
Left: 8230.919+/-0.953 χ²/NDF: 531113.9/47
Right: 15712.688+/-2.247 χ²/NDF: 6307070.1/52
In: 9349.450+/-1.256 χ²/NDF:7333928.2/46
Out: 9392.370+/-1.226 χ²/NDF:8897585.3/53
All: 9371.423+/-0.877 χ²/NDF: 16232111.4/

diff_bpm1Y_mean vs Slug, Sign Corrected



Right In: 2.029+/-1.695 χ^2/NDF: 13.2/23

Left Out: 0.353+/-1.322 χ^2/NDF:21.5/24

Right Out: -3.325+/-1.576 χ^2/NDF: 29.1/28

Left In: -0.709+/-1.291 χ^2/NDF:29.9/22

Left: -0.191+/-0.924 χ^2/NDF: 51.7/47

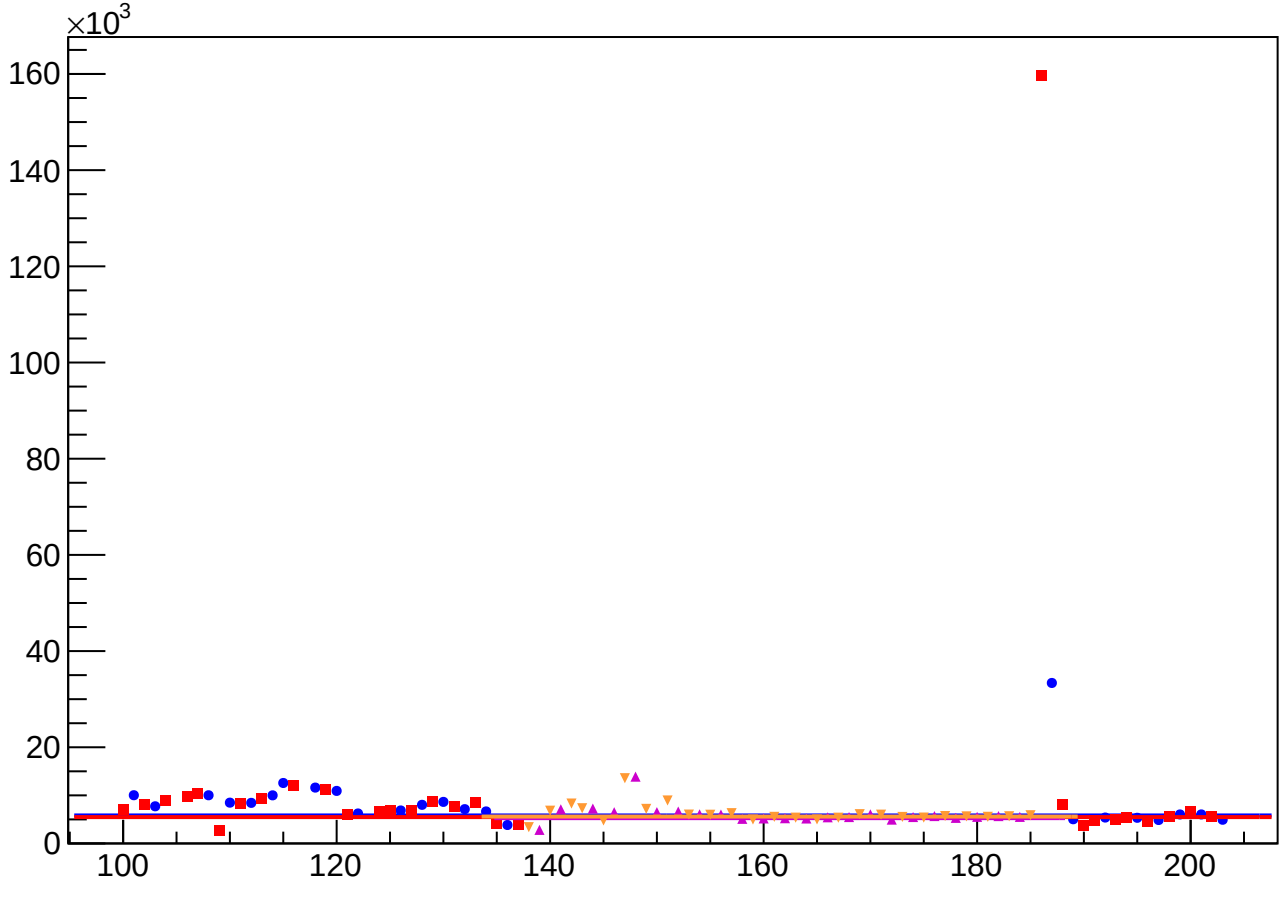
Right: -0.843+/-1.154 χ^2/NDF: 47.7/52

In: 0.296+/-1.027 χ^2/NDF:44.8/46

Out: -1.166+/-1.013 χ^2/NDF:53.8/53

All: -0.445+/-0.721 χ^2/NDF: 99.6/100

diff_bpm1Y_rms vs Slug, Sign Corrected



Right In: 5824.731+/-1.199 χ^2/NDF: 2274107.5/23

Left Out: 5594.503+/-0.935 χ^2/NDF:1784259.1/24

Right Out: 5480.480+/-1.114 χ^2/NDF: 3736009.7/28

Left In: 5262.754+/-0.913 χ^2/NDF:2425604.2/22

Left: 5424.765+/-0.653 χ^2/NDF: 4274340.6/47

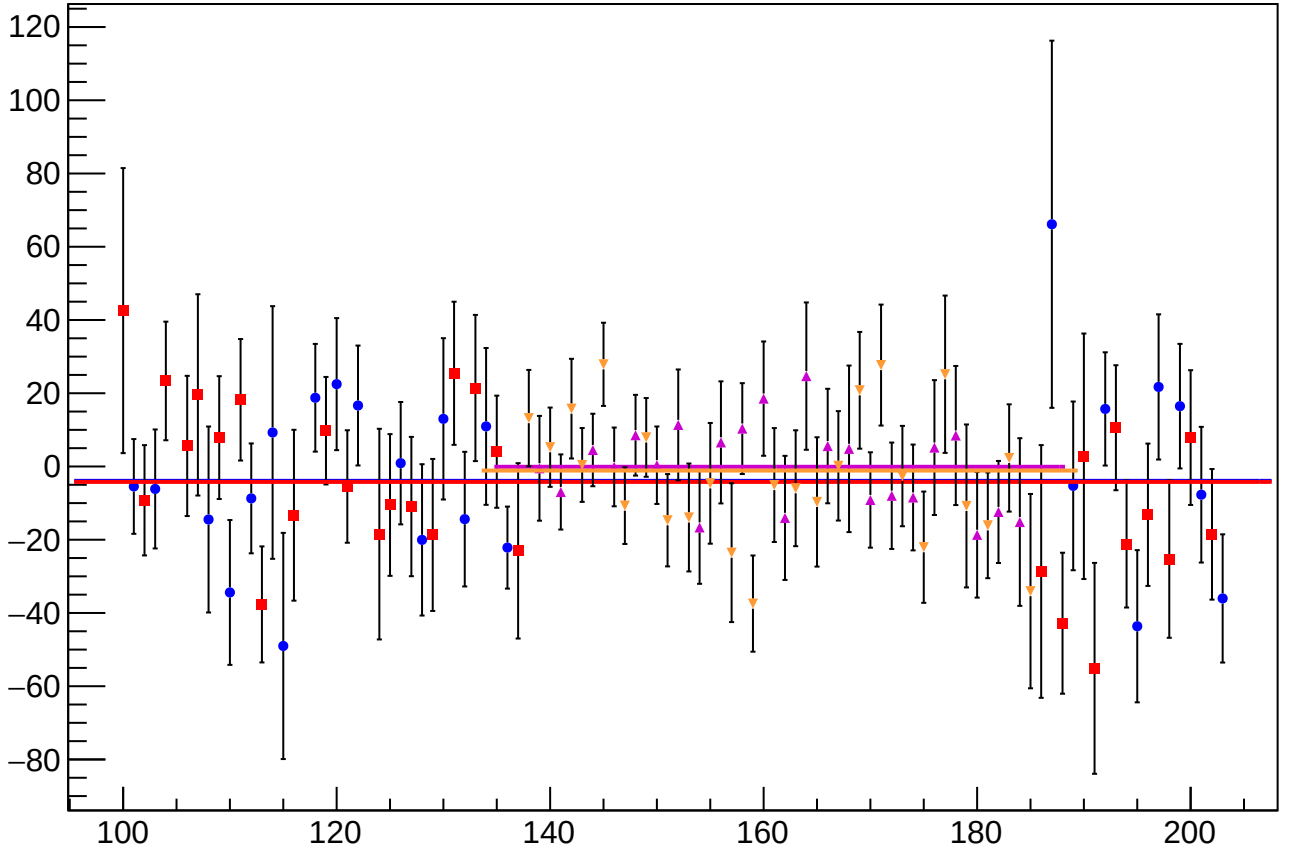
Right: 5640.079+/-0.816 χ^2/NDF: 6054367.2/52

In: 5469.109+/-0.726 χ^2/NDF:4838831.2/46

Out: 5547.419+/-0.716 χ^2/NDF:5526416.1/53

All: 5508.821+/-0.510 χ^2/NDF: 10371142.8/1

diff_bpm11X_mean vs Slug, Sign Corrected



Right In: -3.927+/-3.684 χ^2/NDF: 29.5/23

Left Out: -1.111+/-2.813 χ^2/NDF:33.8/24

Right Out: -4.207+/-3.575 χ^2/NDF: 30.8/28

Left In: -0.084+/-2.926 χ^2/NDF:11.5/22

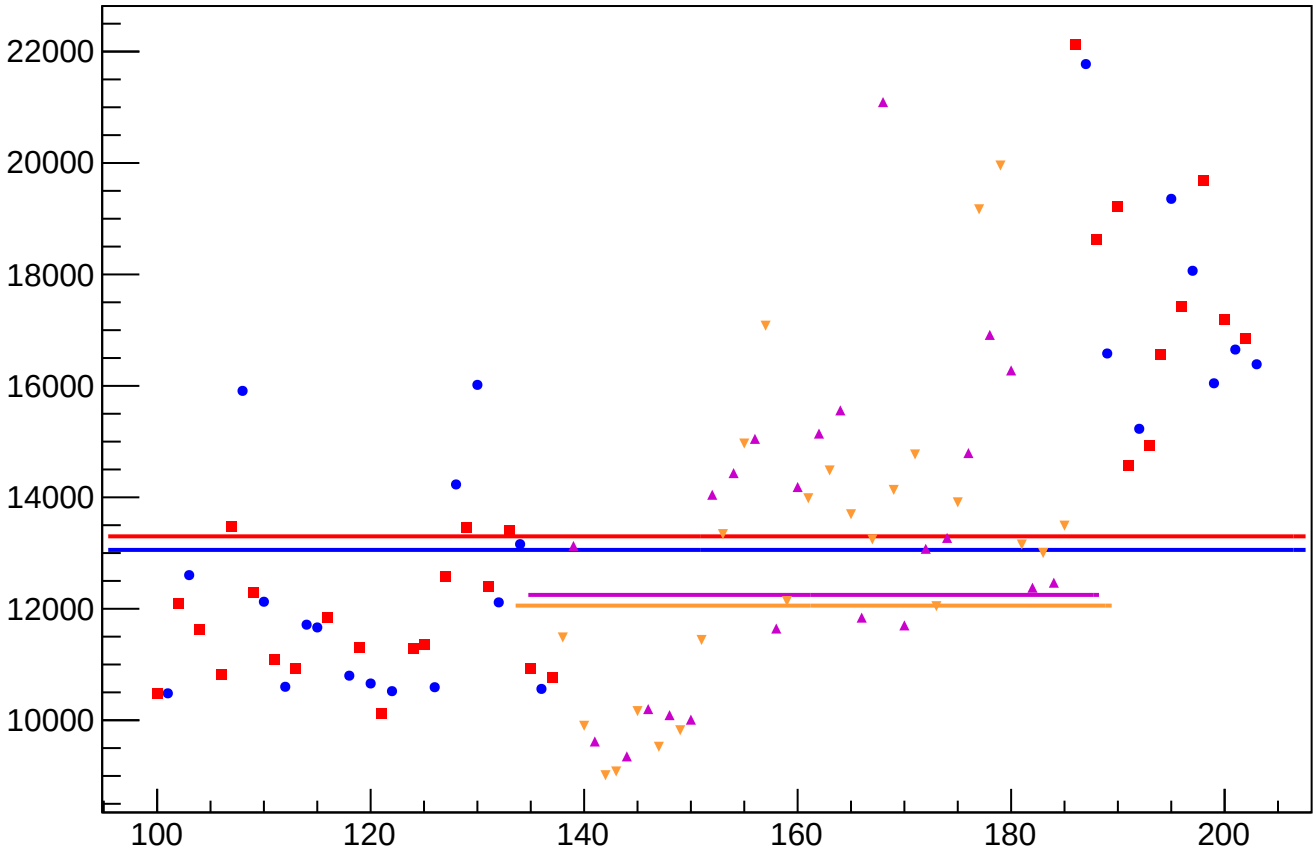
Left: -0.618+/-2.028 χ^2/NDF: 45.3/47

Right: -4.071+/-2.566 χ^2/NDF: 60.4/52

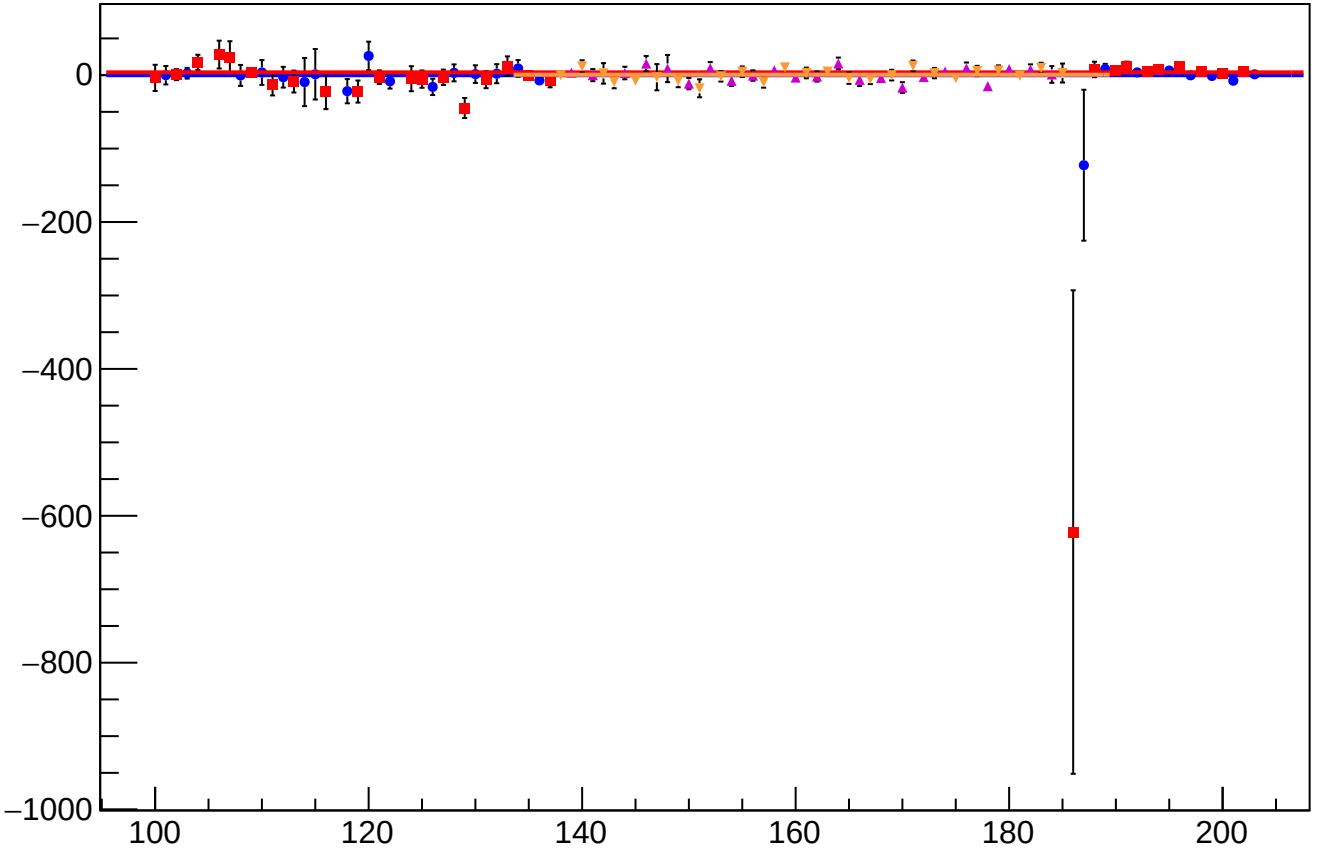
In: -1.571+/-2.291 χ^2/NDF:41.7/46

Out: -2.295+/-2.211 χ^2/NDF:65.0/53

All: -1.946+/-1.591 χ^2/NDF: 106.8/100


diff_bpm11X_rms vs Slug, Sign Corrected
22000
20000
18000
16000
14000
12000
10000
100
120
140
160
180
200
Right In: 13056.539+/-2.605 χ²/NDF: 1160169.6/23
Left Out: 12056.714+/-1.989 χ²/NDF:1561738.9/24
Right Out: 13299.901+/-2.528 χ²/NDF: 1279692.6/28
Left In: 12249.109+/-2.069 χ²/NDF:1416030.4/22
Left: 12149.117+/-1.434 χ²/NDF: 2982262.4/47
Right: 13181.860+/-1.814 χ²/NDF: 2444357.2/52
In: 12561.505+/-1.620 χ²/NDF:2635111.3/46
Out: 12532.089+/-1.563 χ²/NDF:2990793.5/53
All: 12546.271+/-1.125 χ²/NDF: 5626075.6/1

diff_bpm11Y_mean vs Slug, Sign Corrected



Right In: -0.113+/-1.514 χ^2/NDF: 17.2/23

Left Out: 0.526+/-1.369 χ^2/NDF:21.4/24

Right Out: 3.822+/-1.436 χ^2/NDF: 36.5/28

Left In: 0.946+/-1.294 χ^2/NDF:32.2/22

Left: 0.748+/-0.940 χ^2/NDF: 53.7/47

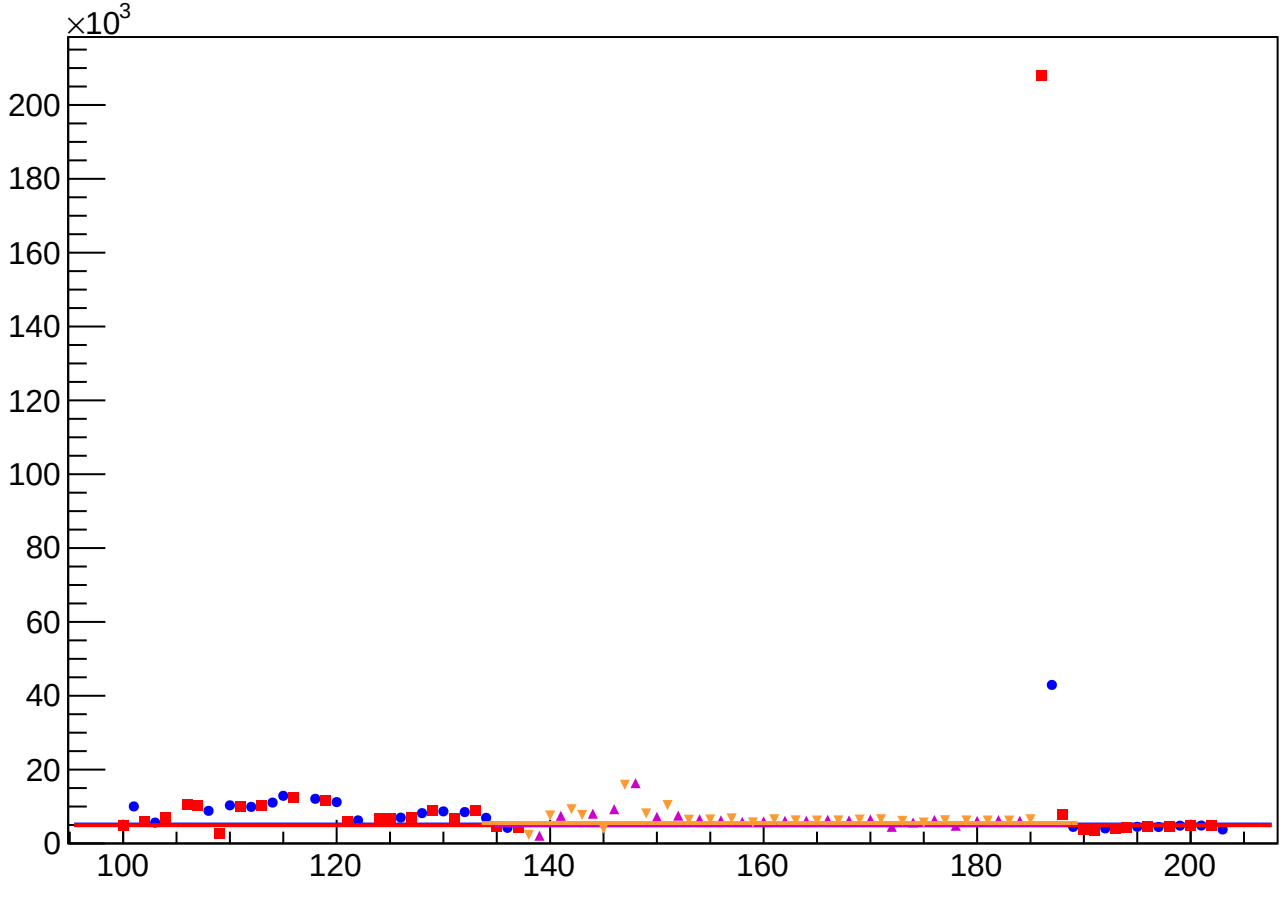
Right: 1.958+/-1.042 χ^2/NDF: 57.3/52

In: 0.499+/-0.984 χ^2/NDF:49.7/46

Out: 2.094+/-0.991 χ^2/NDF:60.7/53

All: 1.291+/-0.698 χ^2/NDF: 111.7/100

diff_bpm11Y_rms vs Slug, Sign Corrected



Right In: 5112.032+/-1.071 χ^2/NDF: 2970301.5/23

Left Out: 5527.971+/-0.968 χ^2/NDF:4375722.1/24

Right Out: 4943.974+/-1.016 χ^2/NDF: 3691444.7/28

Left In: 4941.993+/-0.915 χ^2/NDF:5936108.3/22

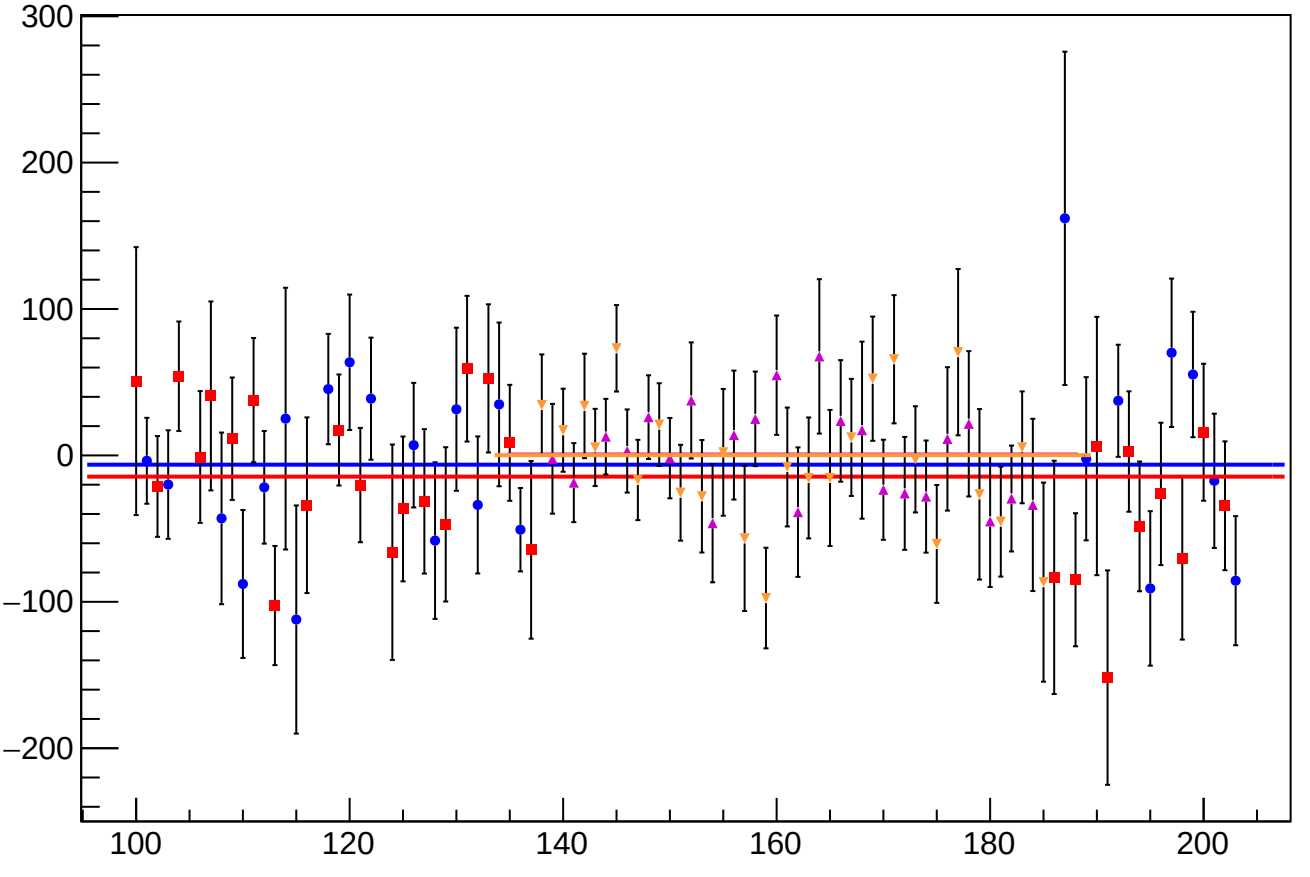
Left: 5218.619+/-0.665 χ^2/NDF: 10505353.1/47

Right: 5023.571+/-0.737 χ^2/NDF: 6674712.8/52

In: 5013.776+/-0.696 χ^2/NDF:8920982.0/46

Out: 5250.057+/-0.701 χ^2/NDF:8240434.9/53

All: 5131.076+/-0.494 χ^2/NDF: 17218680.1/1



Right In: -6.326+/-9.175 χ^2/NDF: 29.1/23

Left Out: 0.168+/-7.375 χ^2/NDF:31.1/24

Right Out: -14.502+/-8.902 χ^2/NDF: 27.5/28

Left In: 0.586+/-7.667 χ^2/NDF:12.8/22

Left: 0.369+/-5.315 χ^2/NDF: 43.9/47

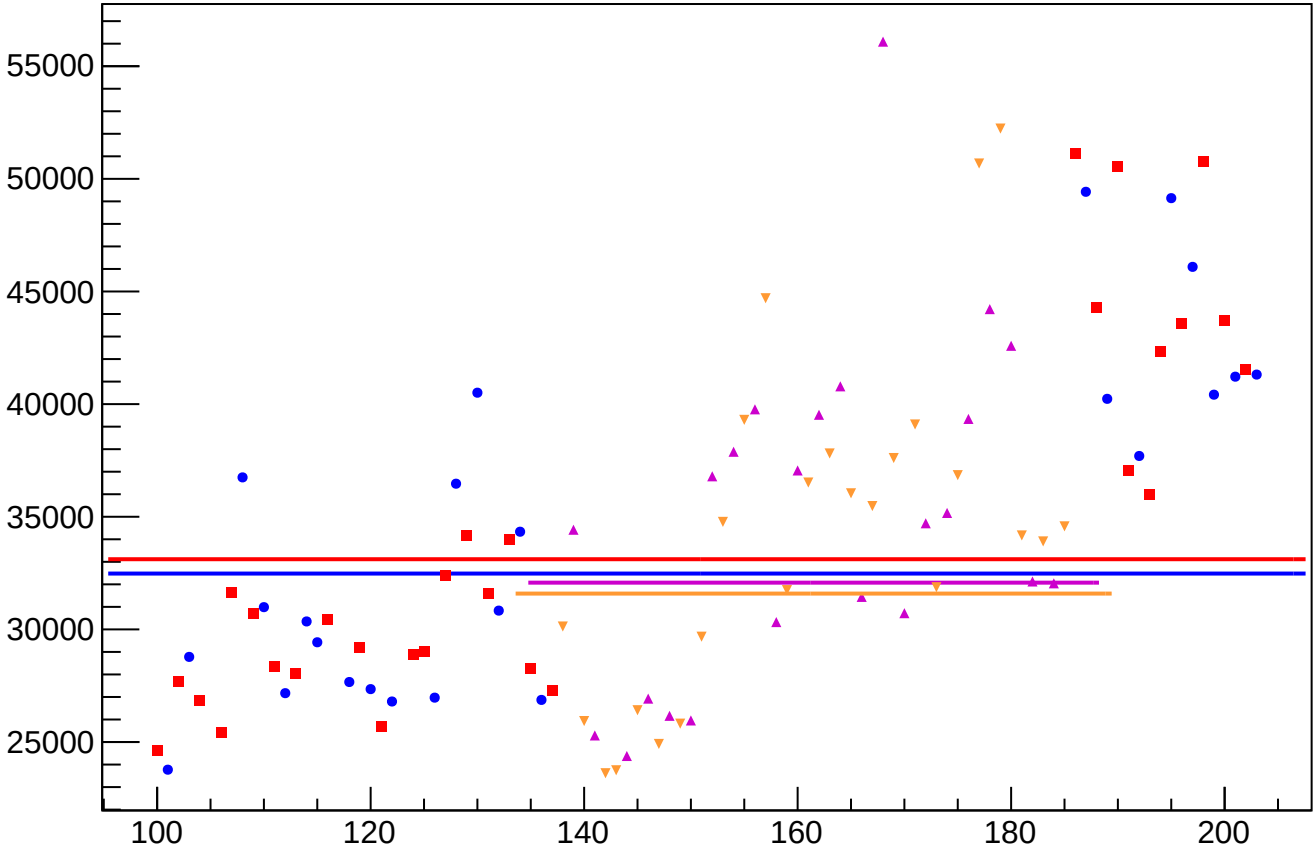
Right: -10.537+/-6.389 χ^2/NDF: 57.0/52

In: -2.256+/-5.883 χ^2/NDF:42.2/46

Out: -5.802+/-5.679 χ^2/NDF:60.2/53

All: -4.092+/-4.086 χ^2/NDF: 102.6/100

diff_bpm12X_rms vs Slug, Sign Corrected



Right In: 32478.639+/-6.487 χ^2/NDF: 1198975.2/23

Left Out: 31589.841+/-5.215 χ^2/NDF:1590867.7/24

Right Out: 33115.397+/-6.295 χ^2/NDF: 1287423.9/28

Left In: 32075.078+/-5.421 χ^2/NDF:1455714.6/22

Left: 31823.038+/-3.758 χ^2/NDF: 3050743.5/47

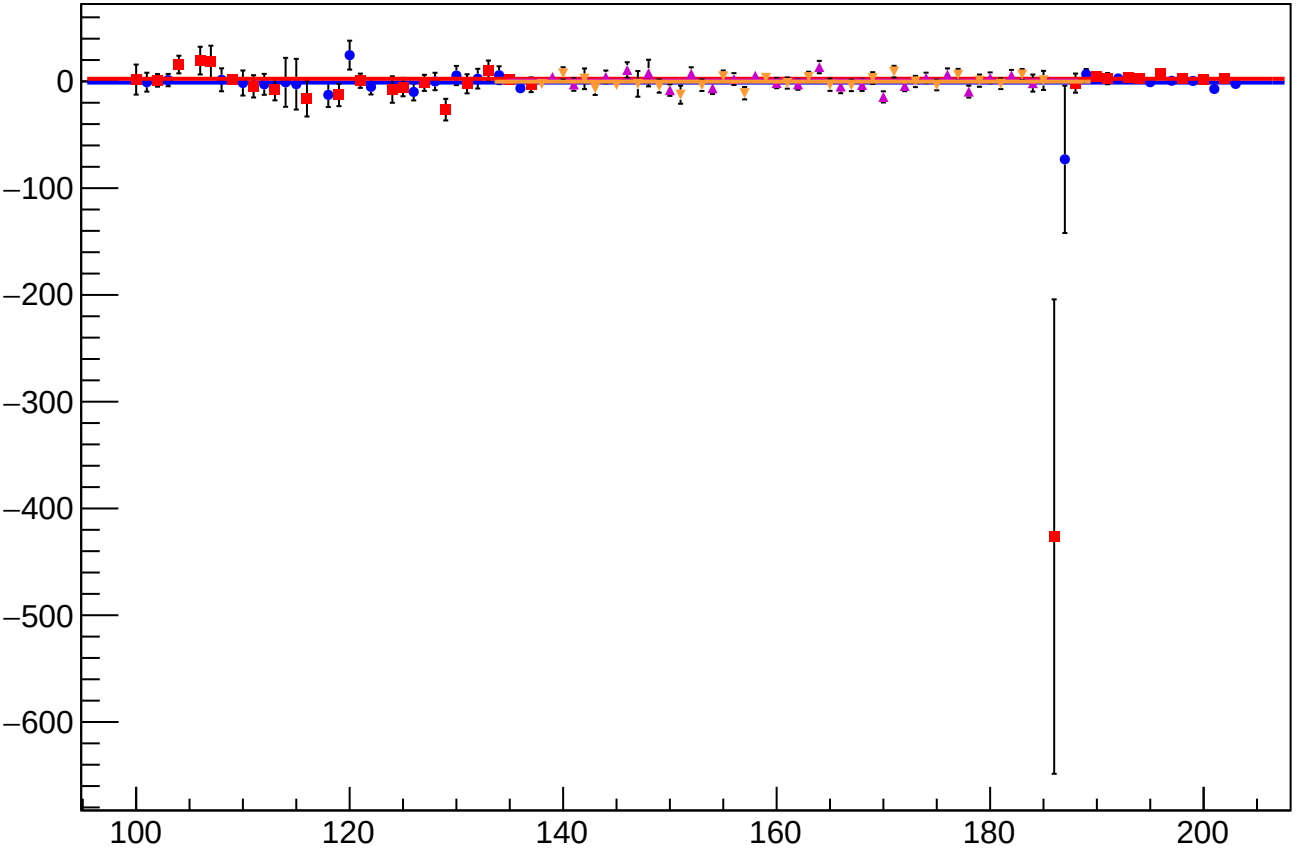
Right: 32806.601+/-4.518 χ^2/NDF: 2491361.1/52

In: 32241.019+/-4.160 χ^2/NDF:2656968.4/46

Out: 32210.691+/-4.016 χ^2/NDF:2913120.9/53

All: 32225.320+/-2.889 χ^2/NDF: 5570116.8/1

diff_bpm12Y_mean vs Slug, Sign Corrected



Right In: -1.116+/-1.014 χ^2/NDF: 19.4/23

Left Out: -0.226+/-1.094 χ^2/NDF:19.9/24

Right Out: 2.449+/-1.029 χ^2/NDF: 28.9/28

Left In: 0.788+/-1.061 χ^2/NDF:33.8/22

Left: 0.297+/-0.761 χ^2/NDF: 54.1/47

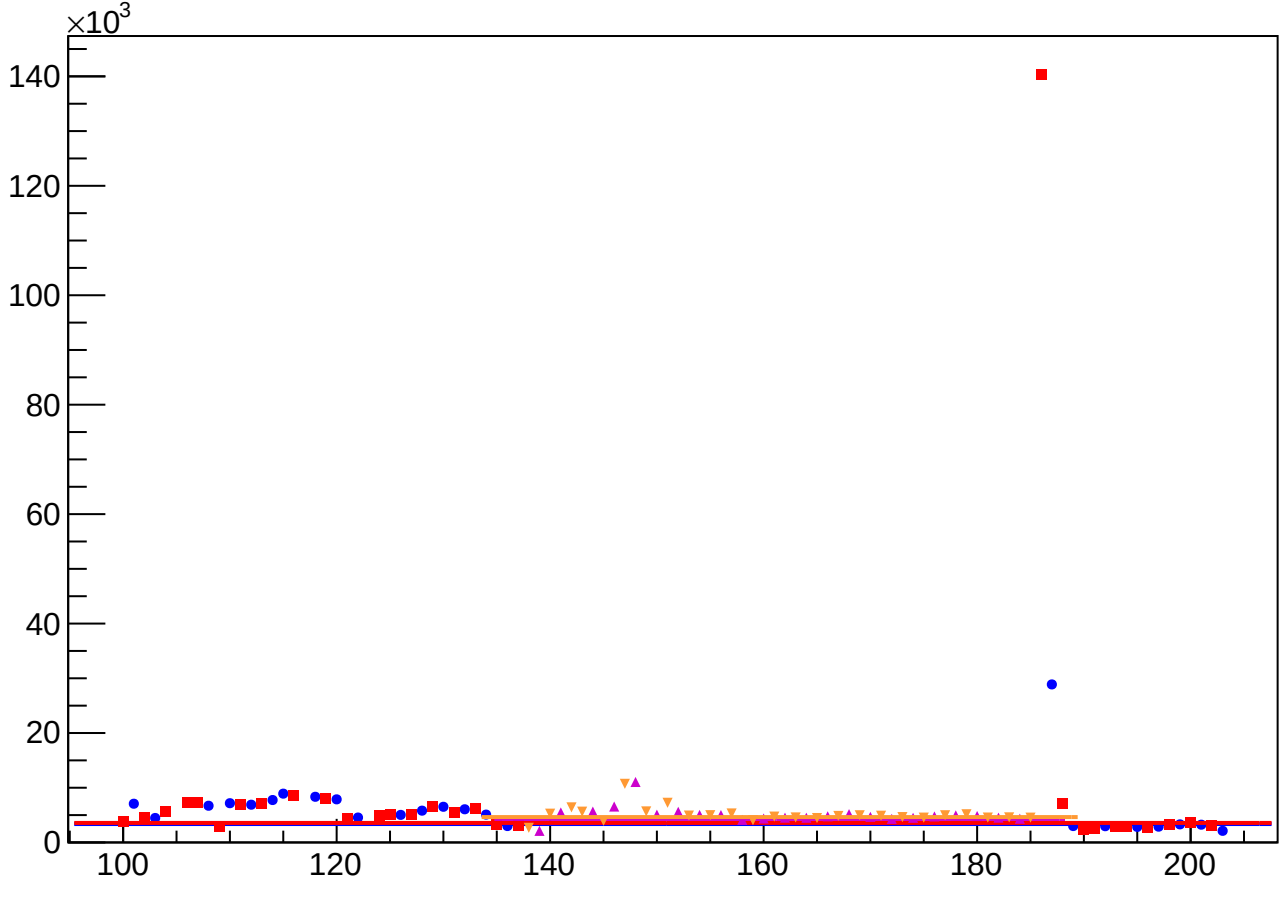
Right: 0.641+/-0.723 χ^2/NDF: 54.3/52

In: -0.206+/-0.733 χ^2/NDF:54.8/46

Out: 1.193+/-0.750 χ^2/NDF:51.9/53

All: 0.478+/-0.524 χ^2/NDF: 108.5/100

diff_bpm12Y_rms vs Slug, Sign Corrected



Right In: 3365.582+/-0.717 χ^2/NDF: 3727596.1/23

Left Out: 4637.399+/-0.774 χ^2/NDF:1763103.2/24

Right Out: 3568.604+/-0.728 χ^2/NDF: 3764749.6/28

Left In: 4295.074+/-0.750 χ^2/NDF:3095610.0/22

Left: 4460.947+/-0.538 χ^2/NDF: 4959666.2/47

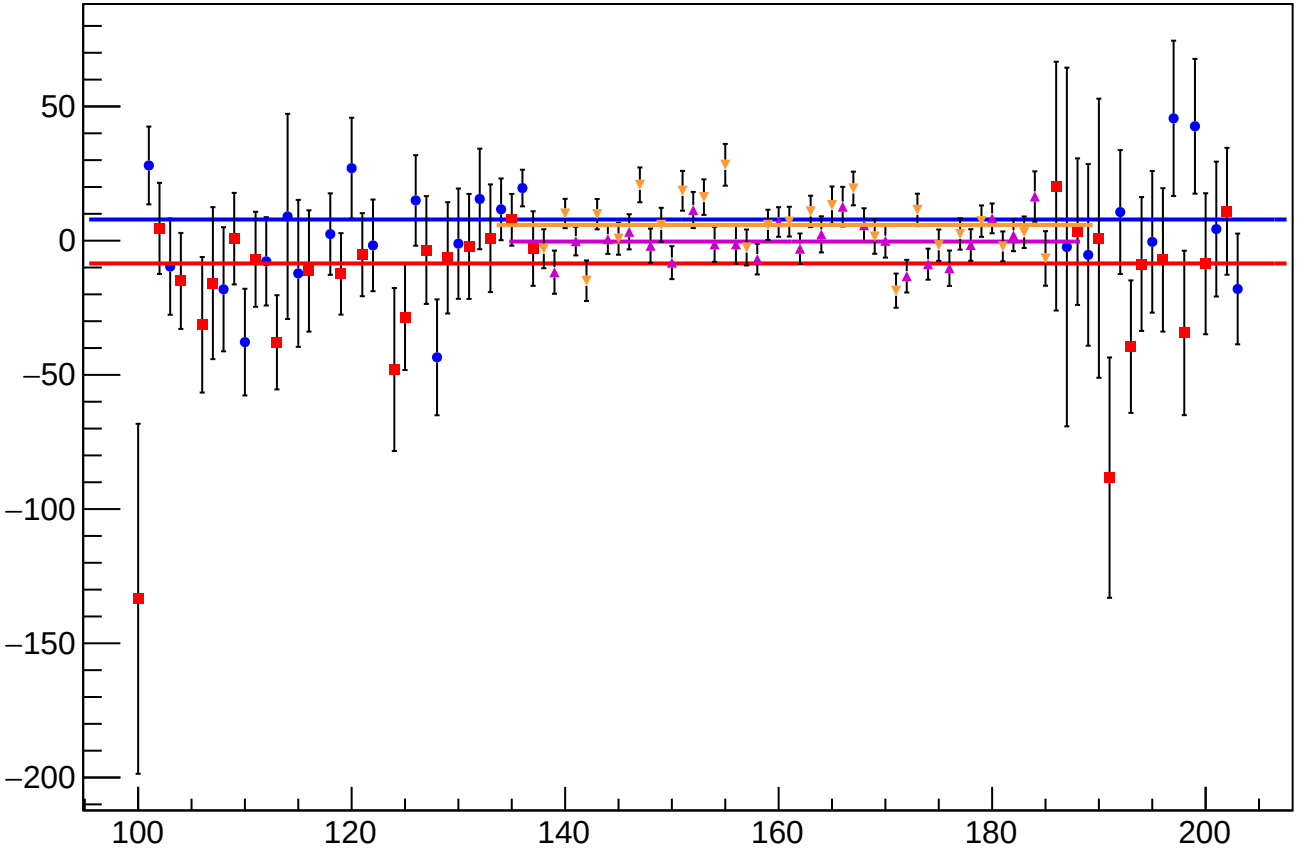
Right: 3465.614+/-0.511 χ^2/NDF: 7531813.0/52

In: 3809.663+/-0.518 χ^2/NDF:7625365.3/46

Out: 4070.529+/-0.530 χ^2/NDF:6540435.9/53

All: 3937.186+/-0.371 χ^2/NDF: 14289594.5/1

diff_bpm16X_mean vs Slug, Sign Corrected



Right In: 7.890+/-3.543 χ^2/NDF: 27.1/23

Left Out: 5.849+/-1.257 χ^2/NDF:60.0/24

Right Out: -8.481+/-3.749 χ^2/NDF: 21.4/28

Left In: -0.337+/-1.301 χ^2/NDF:29.4/22

Left: 2.861+/-0.904 χ^2/NDF: 101.1/47

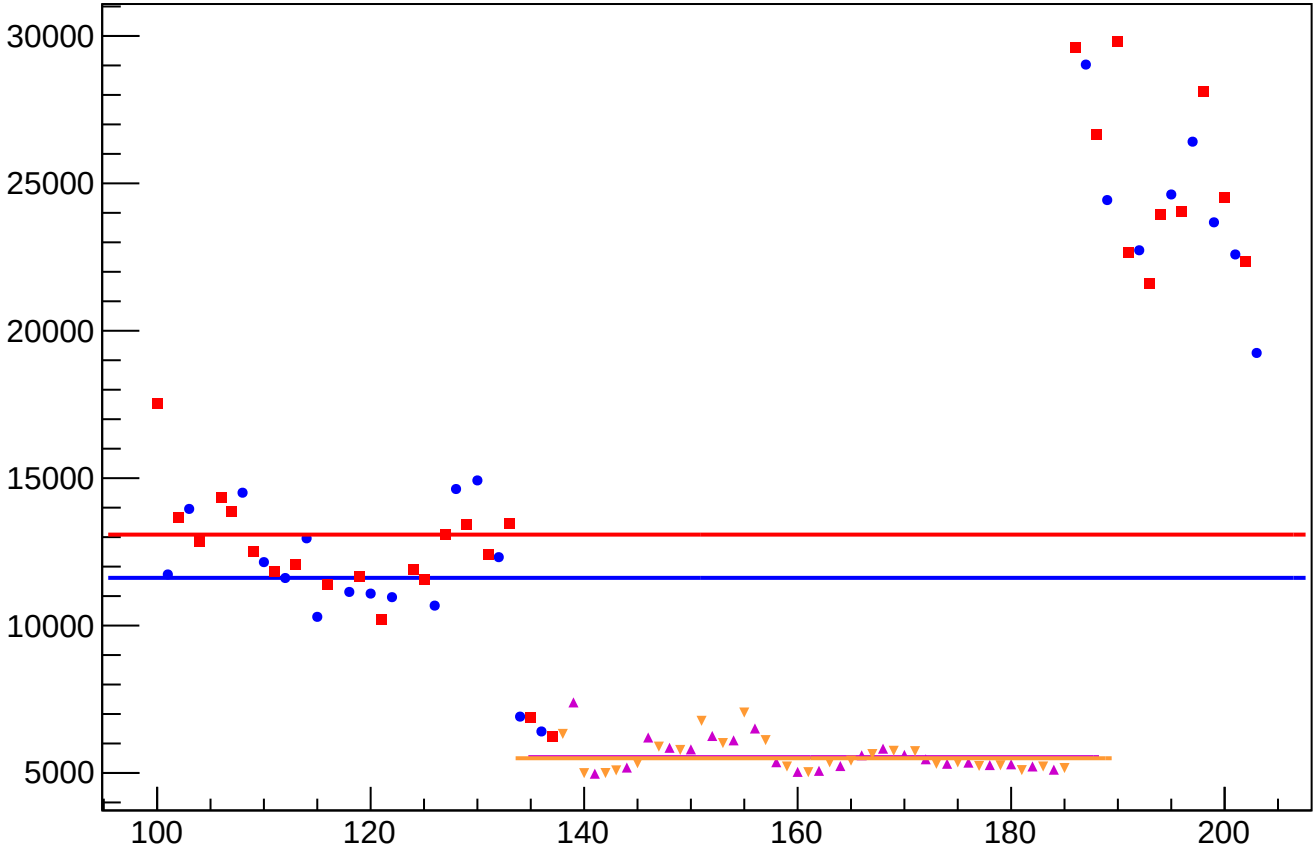
Right: 0.167+/-2.575 χ^2/NDF: 58.6/52

In: 0.640+/-1.221 χ^2/NDF:61.2/46

Out: 4.400+/-1.192 χ^2/NDF:94.6/53

All: 2.565+/-0.853 χ^2/NDF: 160.6/100

diff_bpm16X_rms vs Slug, Sign Corrected



Right In: 11618.311+/-2.505 χ^2/NDF: 4694514.4/23

Left Out: 5499.215+/-0.889 χ^2/NDF:297719.4/24

Right Out: 13085.334+/-2.651 χ^2/NDF: 4636260.3/28

Left In: 5537.777+/-0.920 χ^2/NDF:304062.1/22

Left: 5517.842+/-0.639 χ^2/NDF: 602690.2/47

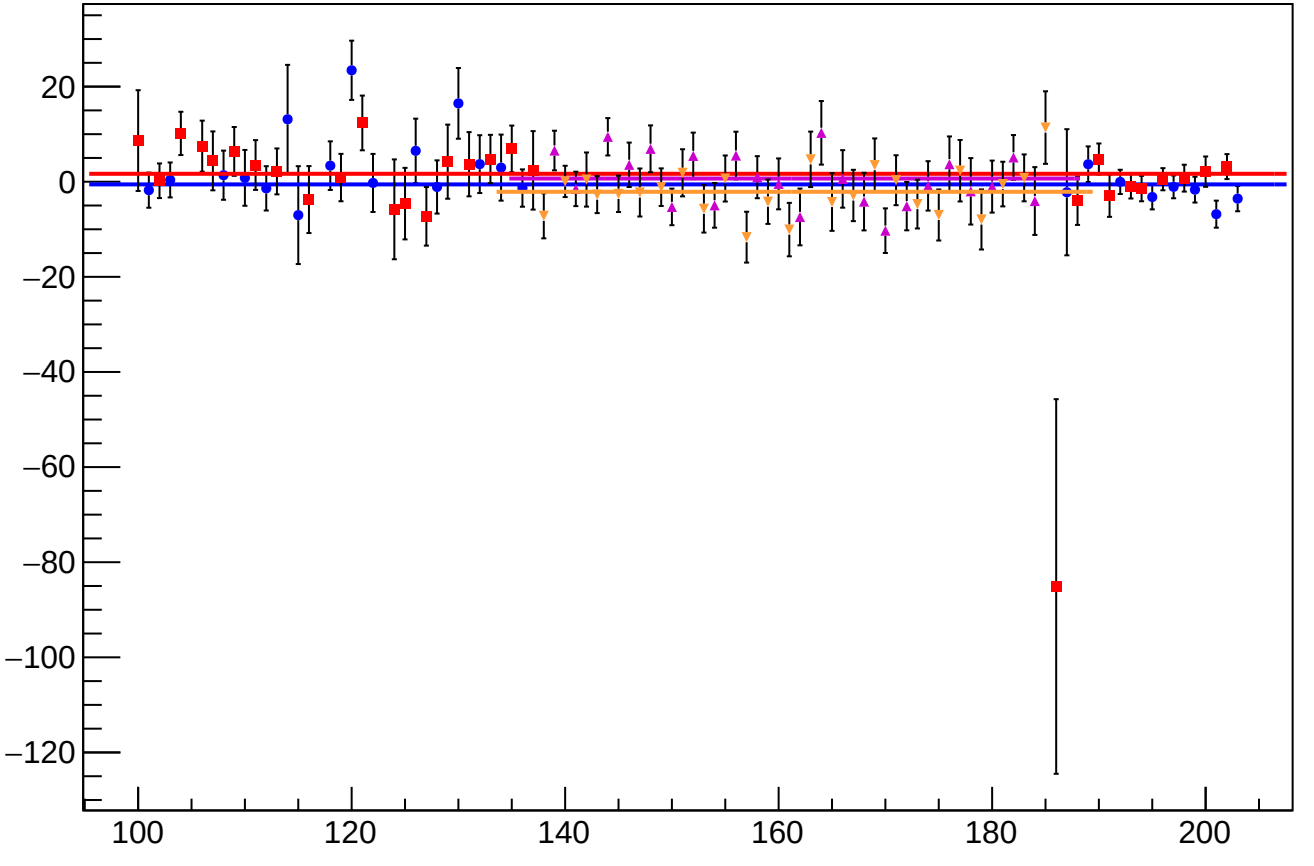
Right: 12310.391+/-1.821 χ^2/NDF: 9492540.8/52

In: 6260.045+/-0.863 χ^2/NDF:10189687.3/46

Out: 6266.268+/-0.843 χ^2/NDF:12294785.8/53

All: 6263.231+/-0.603 χ^2/NDF: 22484499.7/1

diff_bpm16Y_mean vs Slug, Sign Corrected



Right In: -0.560+/-0.815 χ^2/NDF: 33.5/23

Left Out: -2.116+/-0.987 χ^2/NDF:17.5/24

Right Out: 1.667+/-0.787 χ^2/NDF: 26.7/28

Left In: 0.670+/-1.031 χ^2/NDF:28.4/22

Left: -0.783+/-0.713 χ^2/NDF: 49.6/47

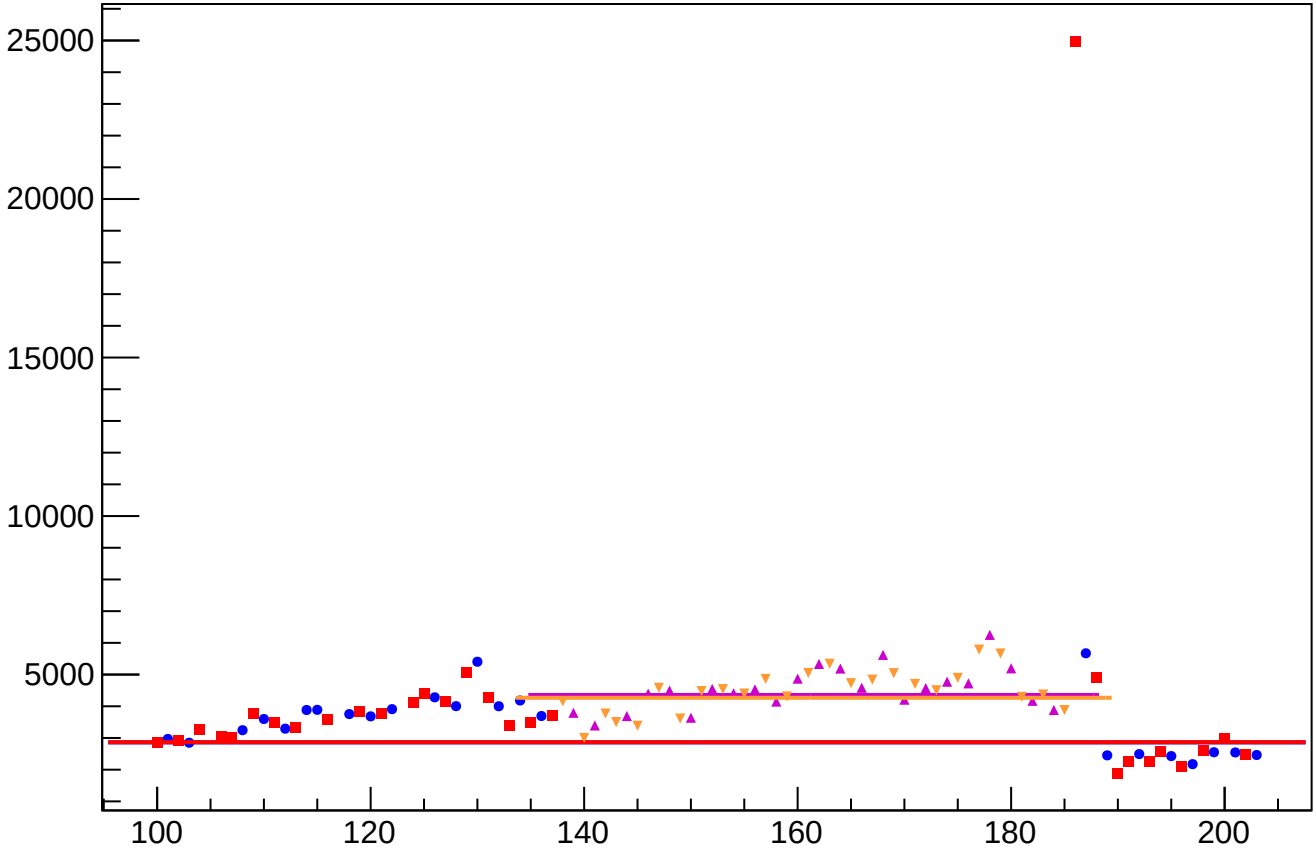
Right: 0.593+/-0.566 χ^2/NDF: 64.1/52

In: -0.087+/-0.639 χ^2/NDF:62.8/46

Out: 0.198+/-0.615 χ^2/NDF:53.1/53

All: 0.061+/-0.443 χ^2/NDF: 116.0/100

diff_bpm16Y_rms vs Slug, Sign Corrected



Right In: 2859.806+/-0.576 χ^2/NDF: 1361744.6/23

Left Out: 4267.631+/-0.698 χ^2/NDF:1034722.2/24

Right Out: 2867.904+/-0.556 χ^2/NDF: 2407163.5/28

Left In: 4355.855+/-0.729 χ^2/NDF:743046.1/22

Left: 4309.839+/-0.504 χ^2/NDF: 1785408.9/47

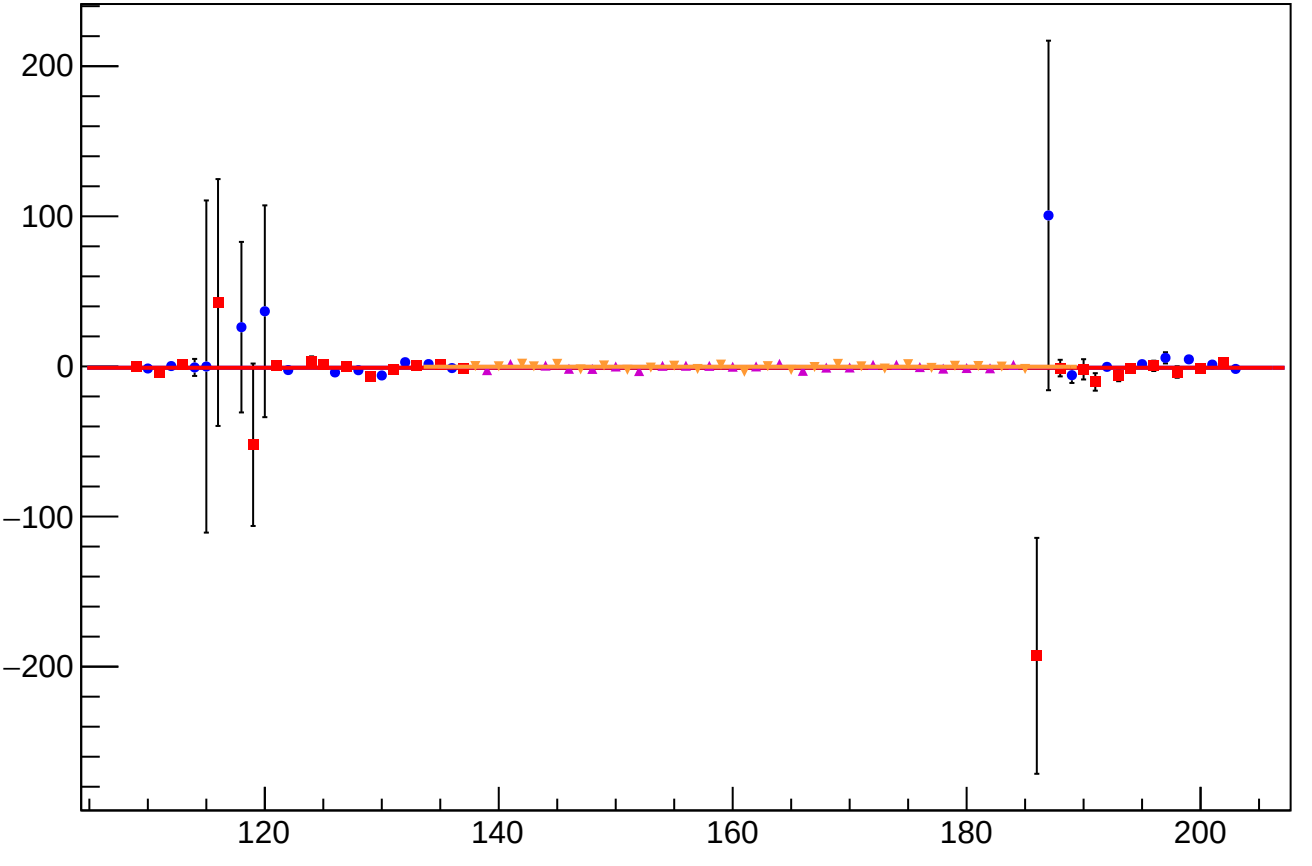
Right: 2863.996+/-0.400 χ^2/NDF: 3769010.4/52

In: 3434.924+/-0.452 χ^2/NDF:4697752.9/46

Out: 3411.470+/-0.435 χ^2/NDF:5900805.0/53

All: 3422.750+/-0.313 χ^2/NDF: 10599955.8/1

diff_bpm1p02bX_mean vs Slug, Sign Corrected



Right In: -0.881+/-0.633 χ^2/NDF: 20.7/20

Left Out: -0.201+/-0.236 χ^2/NDF:33.9/24

Right Out: -0.888+/-0.625 χ^2/NDF: 25.8/23

Left In: -0.333+/-0.242 χ^2/NDF:29.4/22

Left: -0.265+/-0.169 χ^2/NDF: 63.5/47

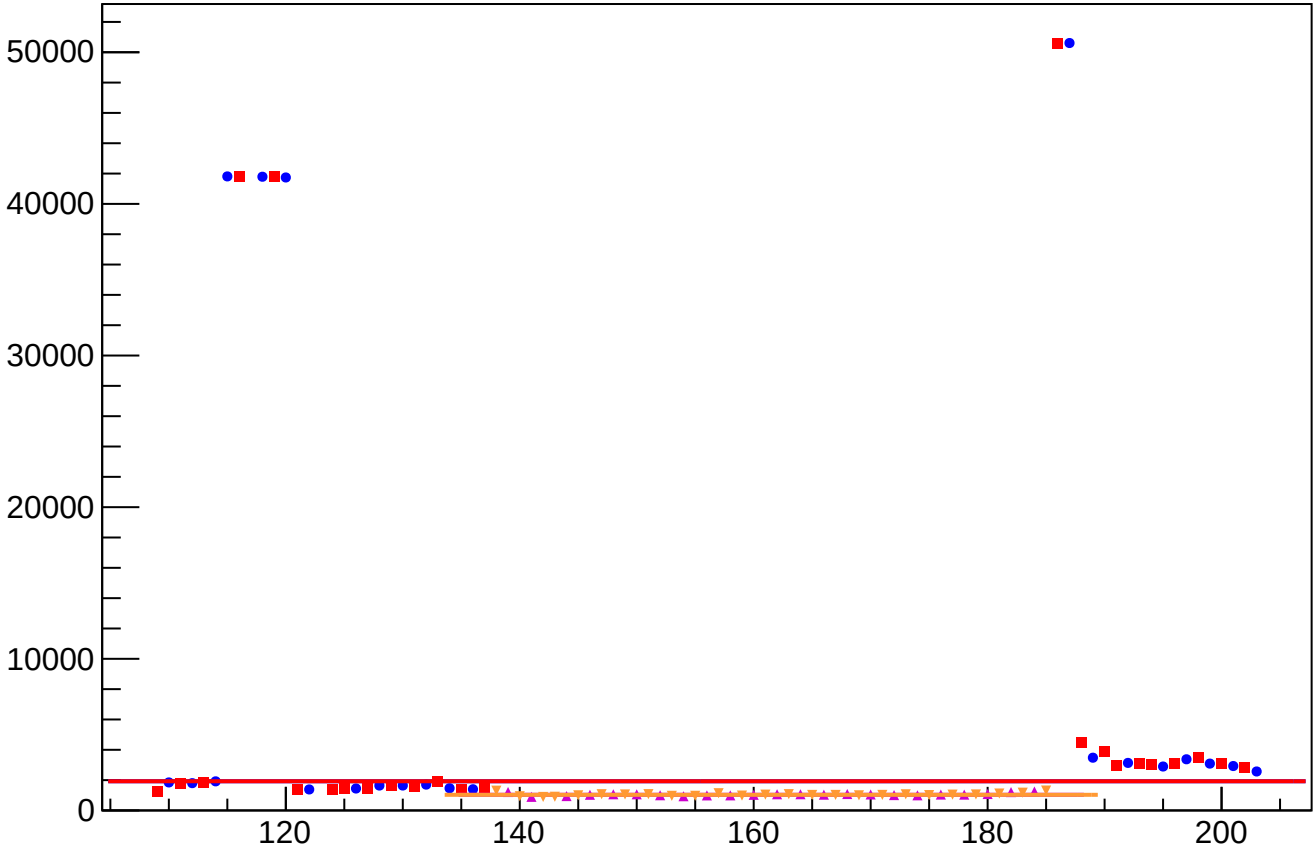
Right: -0.884+/-0.445 χ^2/NDF: 46.6/44

In: -0.403+/-0.226 χ^2/NDF:50.8/43

Out: -0.286+/-0.220 χ^2/NDF:60.8/48

All: -0.343+/-0.158 χ^2/NDF: 111.8/92

diff_bpm1p02bX_rms vs Slug, Sign Corrected



Right In: 1925.421+/-0.448 χ^2/NDF: 4369030.4/20

Left Out: 1031.473+/-0.167 χ^2/NDF:244095.3/24

Right Out: 1926.614+/-0.442 χ^2/NDF: 5263707.8/23

Left In: 1032.715+/-0.171 χ^2/NDF:187148.3/22

Left: 1032.077+/-0.119 χ^2/NDF: 431270.7/47

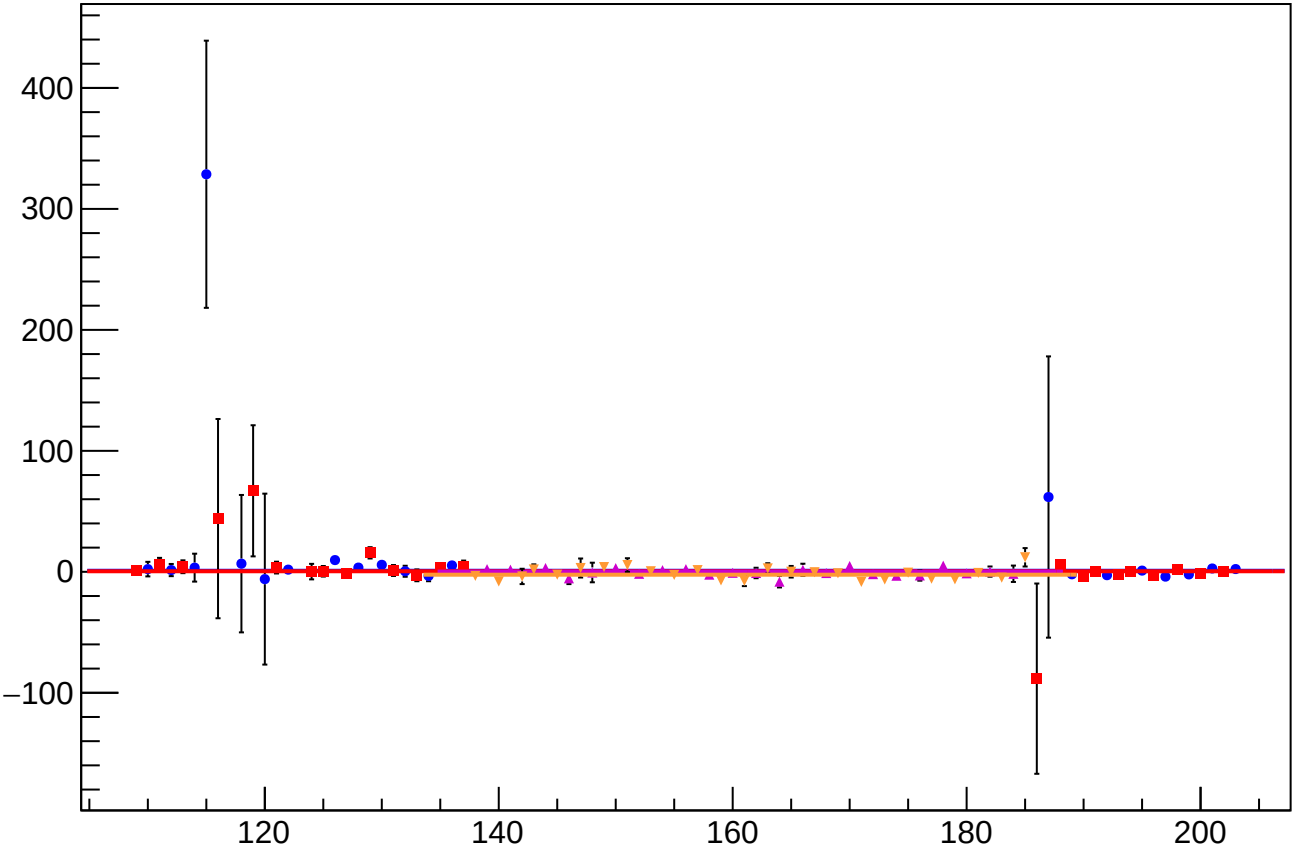
Right: 1926.026+/-0.315 χ^2/NDF: 9632741.7/44

In: 1146.538+/-0.160 χ^2/NDF:8021674.8/43

Out: 1142.845+/-0.156 χ^2/NDF:9102902.0/48

All: 1144.644+/-0.112 χ^2/NDF: 17124850.3/9

diff_bpm1p02bY_mean vs Slug, Sign Corrected



Right In: 0.867+/-0.674 χ^2/NDF: 33.2/20

Left Out: -2.380+/-0.782 χ^2/NDF:24.3/24

Right Out: 0.464+/-0.685 χ^2/NDF: 27.5/23

Left In: 0.171+/-0.810 χ^2/NDF:12.6/22

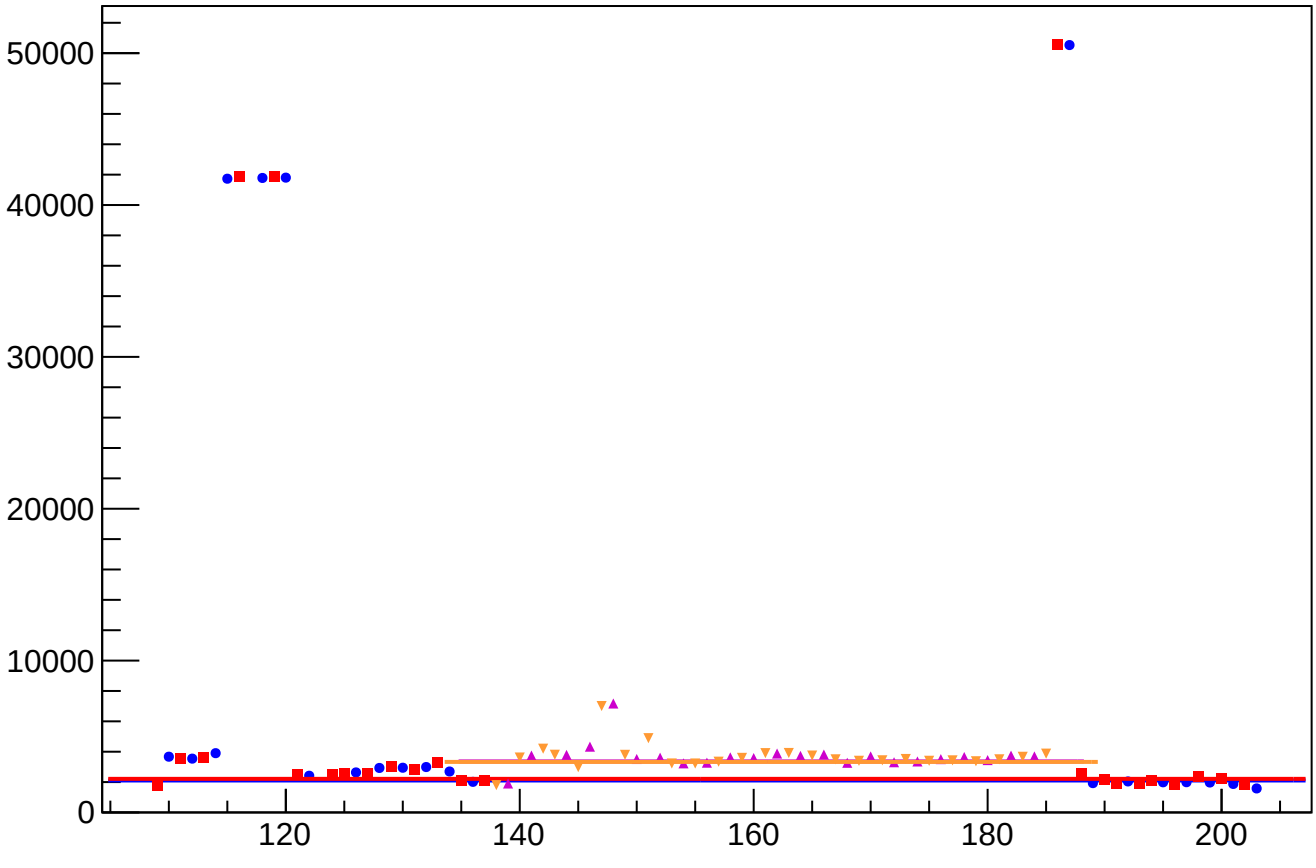
Left: -1.149+/-0.563 χ^2/NDF: 42.1/47

Right: 0.669+/-0.480 χ^2/NDF: 60.8/44

In: 0.582+/-0.518 χ^2/NDF:46.2/43

Out: -0.771+/-0.515 χ^2/NDF:59.3/48

All: -0.098+/-0.365 χ^2/NDF: 108.9/92



Right In: 2105.612+/-0.476 χ^2/NDF: 3129380.9/20

Left Out: 3328.251+/-0.553 χ^2/NDF:1915576.2/24

Right Out: 2212.387+/-0.484 χ^2/NDF: 3048989.4/23

Left In: 3360.799+/-0.572 χ^2/NDF:1649390.5/22

Left: 3343.963+/-0.398 χ^2/NDF: 3566638.9/47

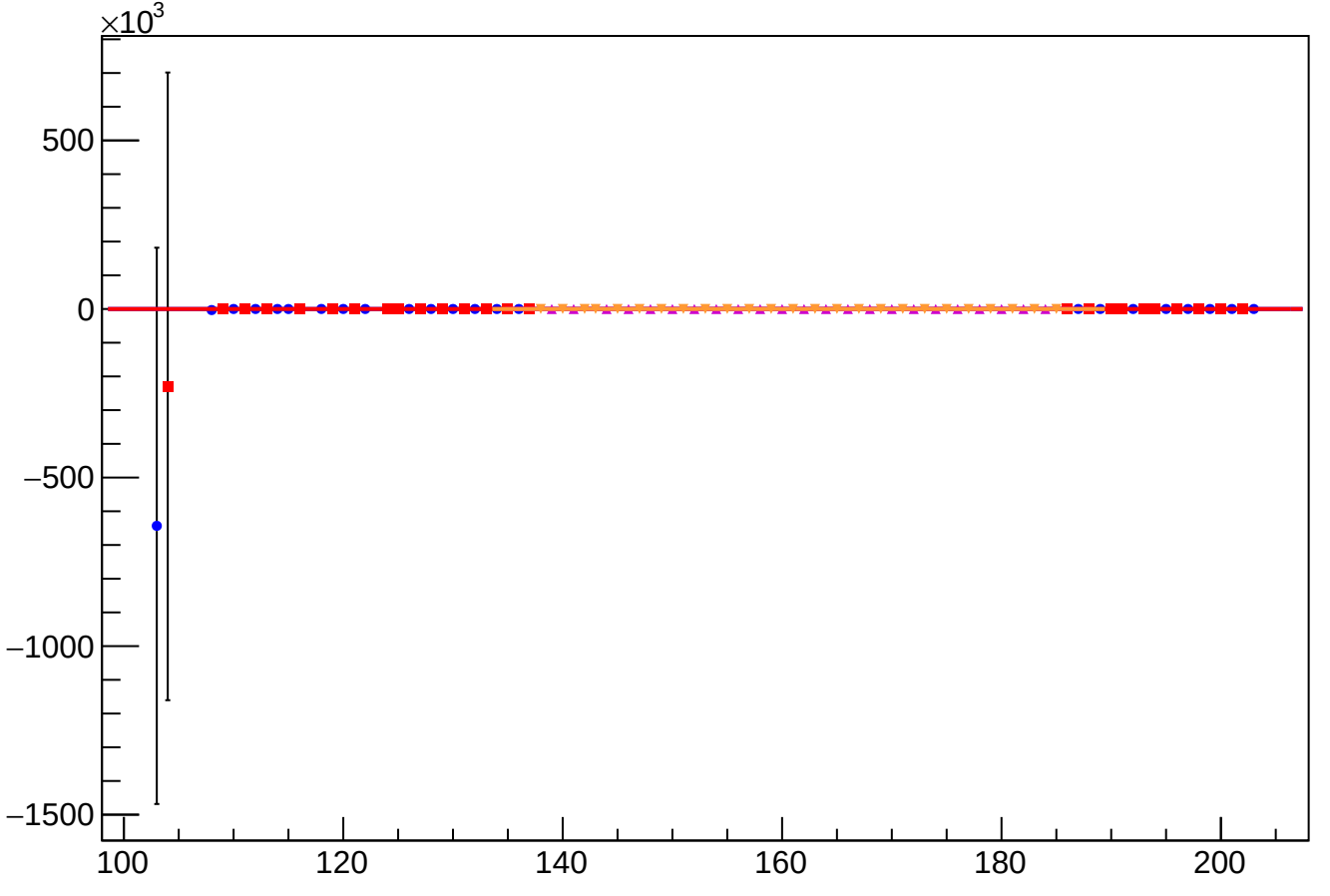
Right: 2158.108+/-0.340 χ^2/NDF: 6203060.2/44

In: 2619.274+/-0.366 χ^2/NDF:7618725.7/43

Out: 2696.937+/-0.364 χ^2/NDF:7267970.0/48

All: 2658.297+/-0.258 χ^2/NDF: 14909292.2/9

diff_bpm1p03aX_mean vs Slug, Sign Corrected



Right In: -0.899+/-0.677 χ^2/NDF: 26.2/22

Left Out: -1.573+/-0.363 χ^2/NDF:50.3/24

Right Out: 1.837+/-0.679 χ^2/NDF: 23.3/24

Left In: -0.018+/-0.374 χ^2/NDF:27.3/22

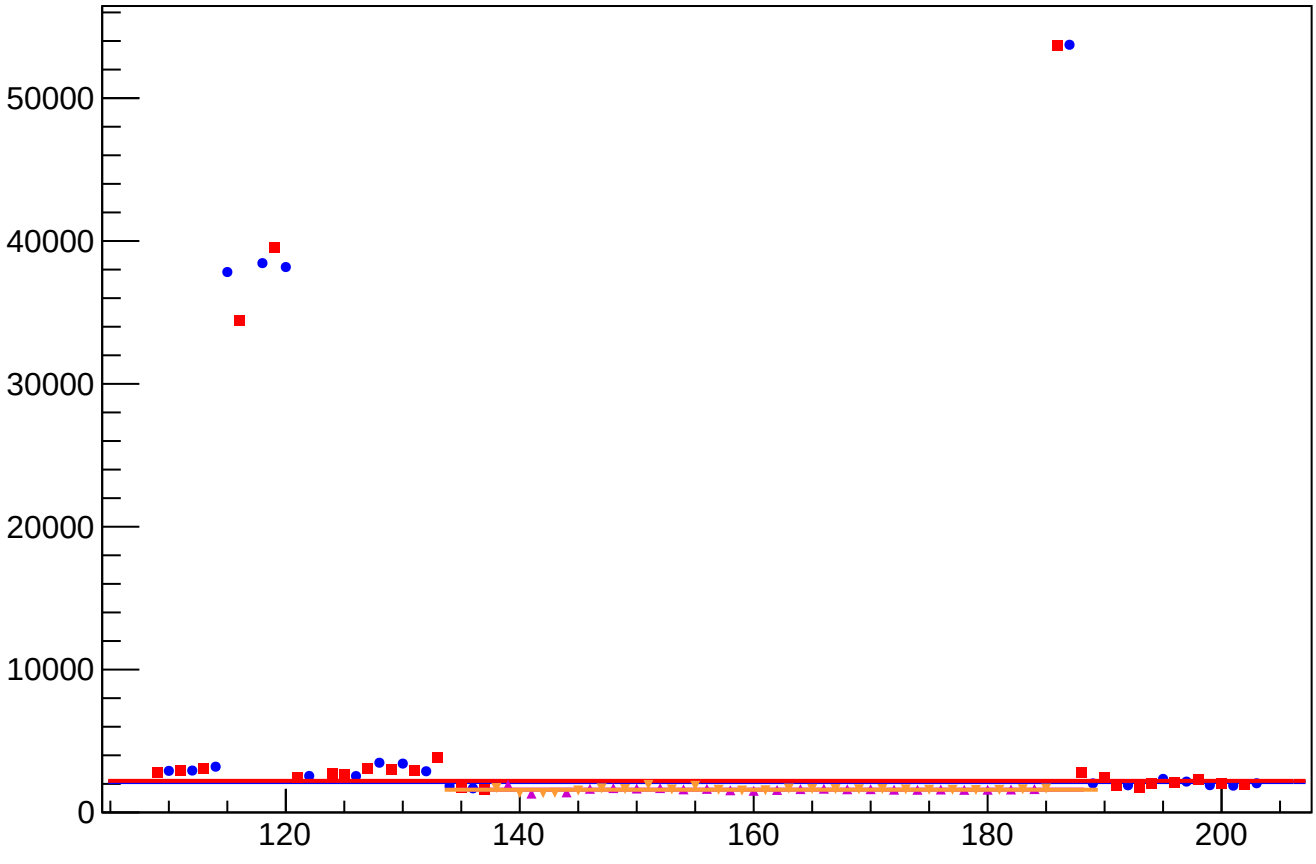
Left: -0.819+/-0.261 χ^2/NDF: 86.5/47

Right: 0.466+/-0.480 χ^2/NDF: 57.6/47

In: -0.224+/-0.328 χ^2/NDF:54.8/45

Out: -0.815+/-0.320 χ^2/NDF:93.2/49

All: -0.526+/-0.229 χ^2/NDF: 149.7/95



Right In: 2126.354+/-0.479 χ^2/NDF: 2968193.7/20

Left Out: 1589.488+/-0.257 χ^2/NDF:232518.0/24

Right Out: 2211.537+/-0.480 χ^2/NDF: 3214378.4/23

Left In: 1596.179+/-0.265 χ^2/NDF:196833.1/22

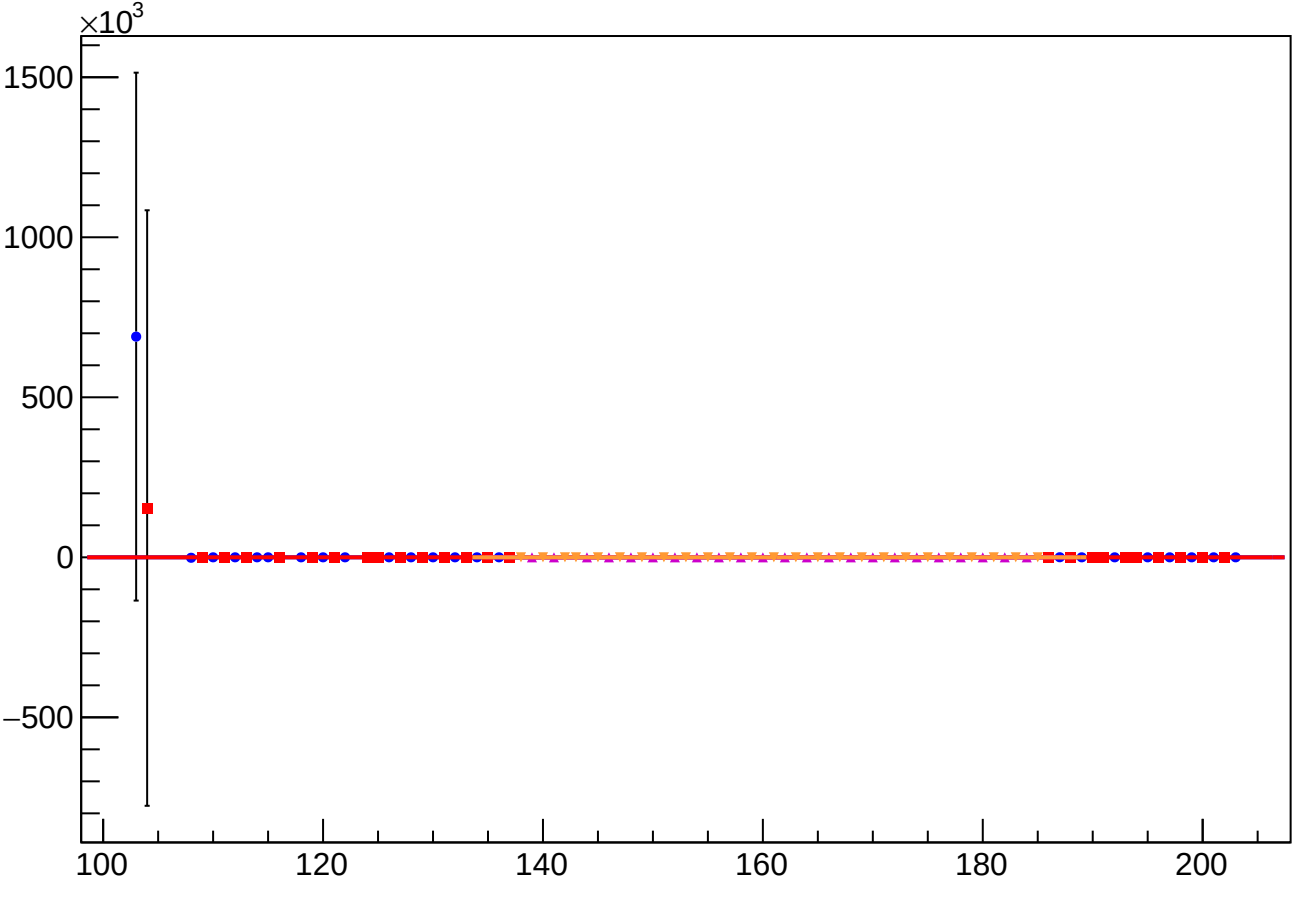
Left: 1592.729+/-0.184 χ^2/NDF: 429680.4/47

Right: 2168.861+/-0.339 χ^2/NDF: 6198349.2/44

In: 1720.235+/-0.232 χ^2/NDF:4103202.2/43

Out: 1727.749+/-0.226 χ^2/NDF:4752976.2/48

All: 1724.081+/-0.162 χ^2/NDF: 8856716.5/92



Right In: 0.823+/-0.564 χ^2/NDF: 15.5/22

Left Out: -1.179+/-0.502 χ^2/NDF:24.4/24

Right Out: -0.088+/-0.570 χ^2/NDF: 26.5/24

Left In: -0.125+/-0.501 χ^2/NDF:16.9/22

Left: -0.651+/-0.355 χ^2/NDF: 43.5/47

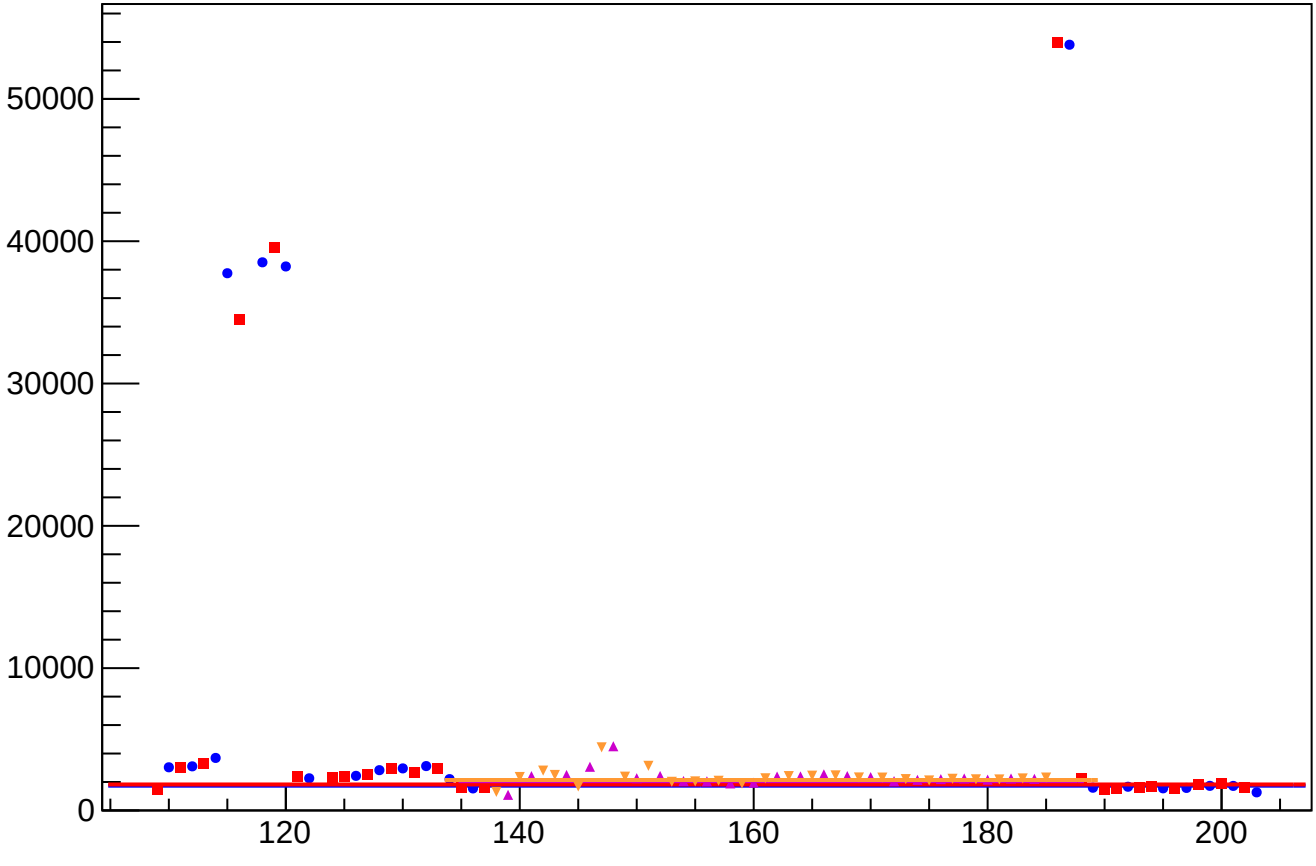
Right: 0.373+/-0.401 χ^2/NDF: 43.2/47

In: 0.294+/-0.375 χ^2/NDF:33.9/45

Out: -0.703+/-0.377 χ^2/NDF:52.9/49

All: -0.201+/-0.266 χ^2/NDF: 90.4/95

diff_bpm1p03aY_rms vs Slug, Sign Corrected



Right In: 1740.747+/-0.398 χ^2/NDF: 3569311.7/20

Left Out: 2139.248+/-0.355 χ^2/NDF:1480000.5/24

Right Out: 1826.010+/-0.403 χ^2/NDF: 3433527.0/23

Left In: 2058.216+/-0.354 χ^2/NDF:2293601.6/22

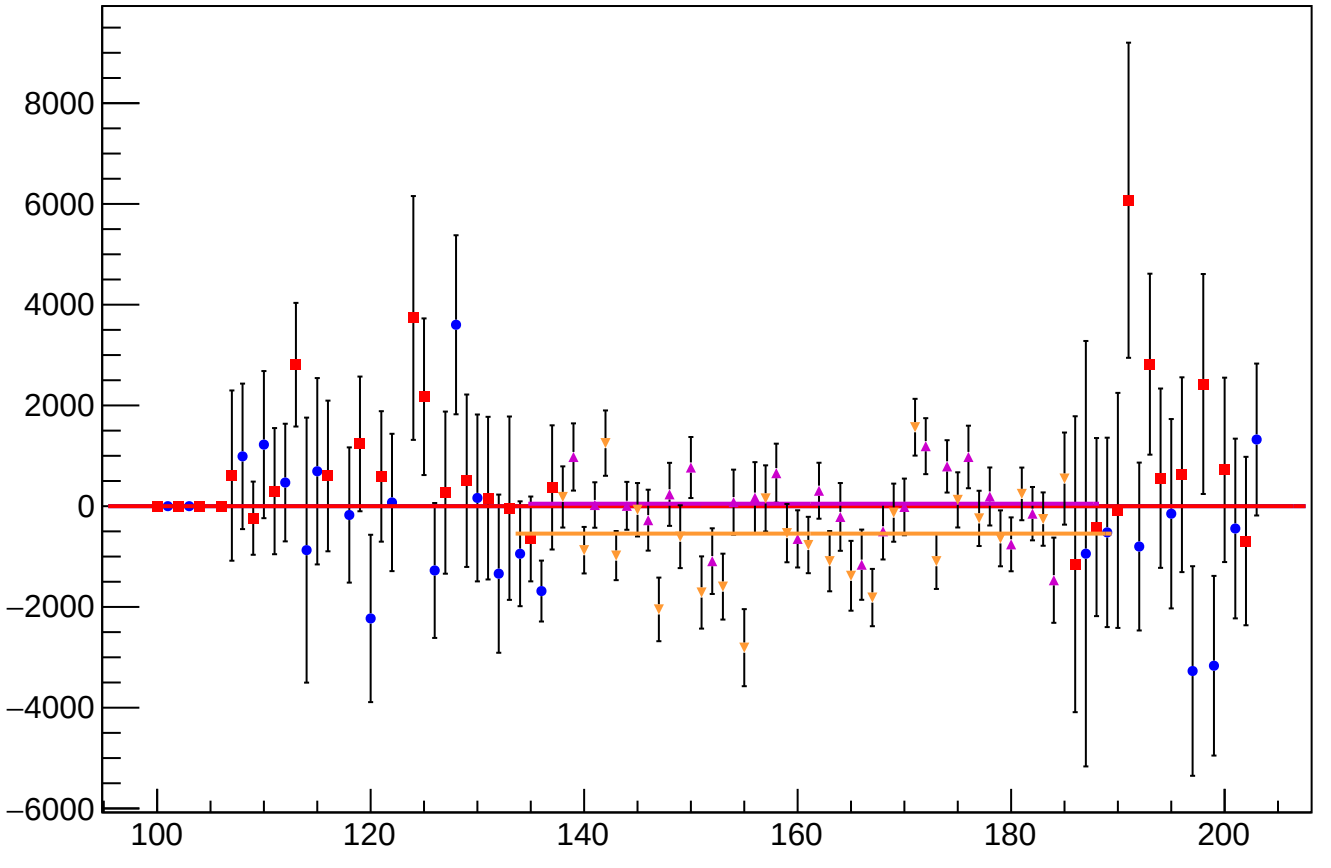
Left: 2098.634+/-0.251 χ^2/NDF: 3799672.6/47

Right: 1782.862+/-0.283 χ^2/NDF: 7025452.4/44

In: 1917.991+/-0.265 χ^2/NDF:6217279.0/43

Out: 2002.386+/-0.267 χ^2/NDF:5253130.2/48

All: 1959.906+/-0.188 χ^2/NDF: 11520845.8/9



Right In: 0.255+/-0.356 χ^2/NDF: 24.6/23

Left Out: -544.414+/-117.154 χ^2/NDF:60.9/24

Right Out: -0.096+/-0.328 χ^2/NDF: 23.6/28

Left In: 49.119+/-121.932 χ^2/NDF:28.0/22

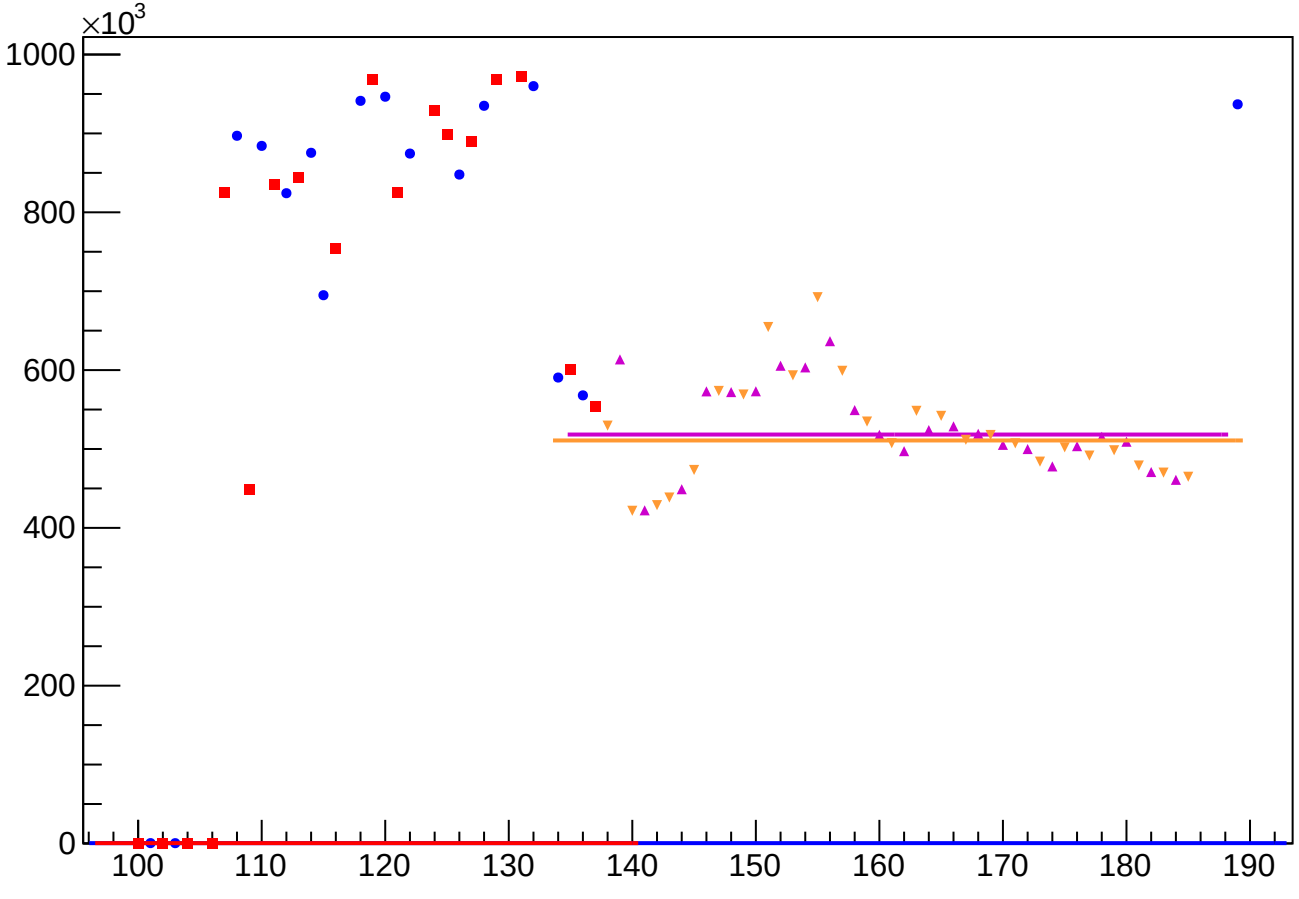
Left: -259.505+/-84.479 χ^2/NDF: 101.1/47

Right: 0.065+/-0.241 χ^2/NDF: 48.7/52

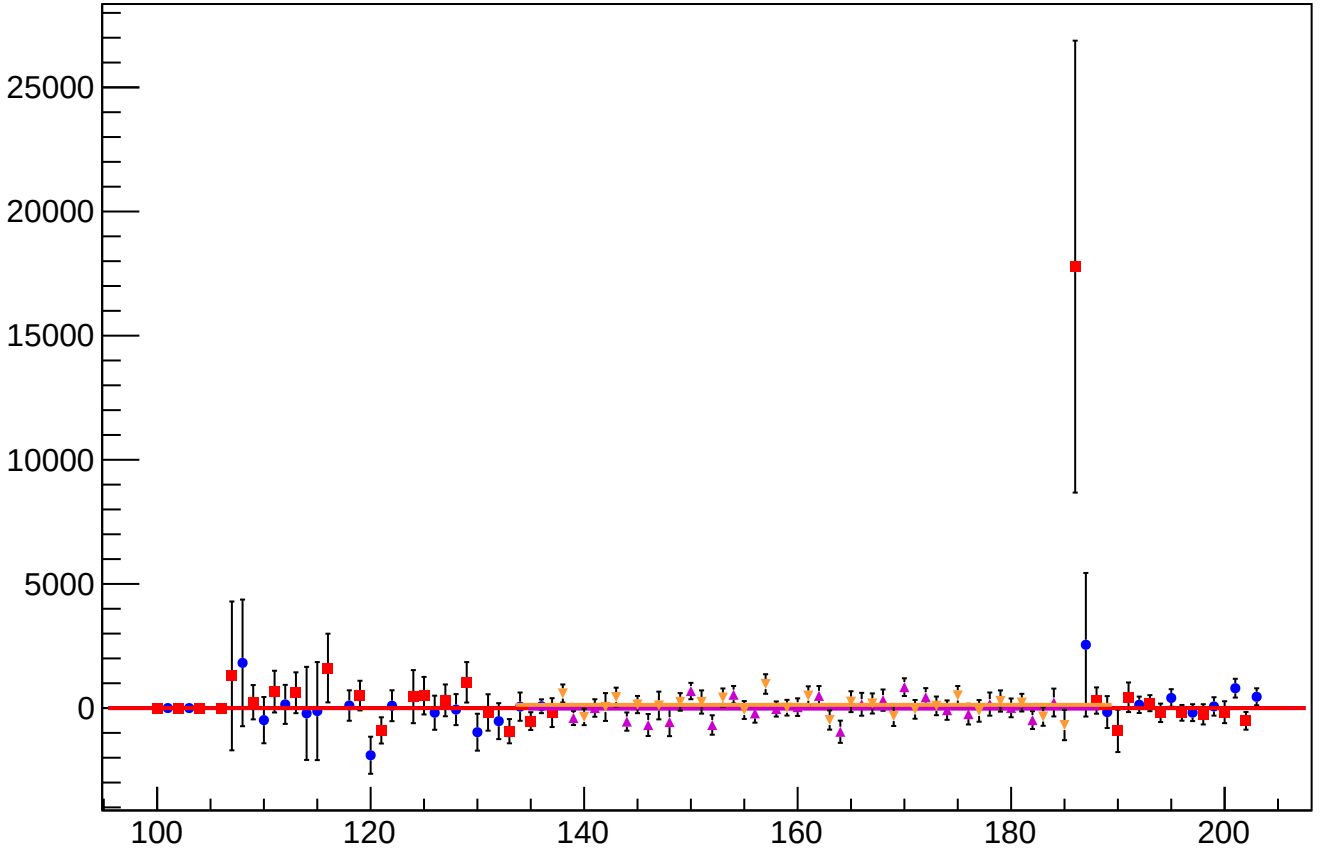
In: 0.256+/-0.356 χ^2/NDF:52.7/46

Out: -0.100+/-0.328 χ^2/NDF:106.1/53

All: 0.063+/-0.241 χ^2/NDF: 159.3/100


diff_cav4bX_rms vs Slug, Sign Corrected
×10^3
1000
800
600
400
200
0
100
110
120
130
140
150
160
170
180
190
Right In: 398.894+/-0.251 χ²/NDF: 8685185.3/15
Left Out: 510811.545+/-82.841 χ²/NDF:509606.7/24
Right Out: 393.240+/-0.232 χ²/NDF: 7648578.2/17
Left In: 518313.411+/-86.219 χ²/NDF:399884.6/22
Left: 514412.615+/-59.736 χ²/NDF: 913427.9/47
Right: 395.837+/-0.170 χ²/NDF: 16334036.8/33
In: 403.300+/-0.251 χ²/NDF:45168150.0/38
Out: 397.235+/-0.232 χ²/NDF:46121298.2/42
All: 400.021+/-0.170 χ²/NDF: 91289762.7/81

diff_cav4bY_mean vs Slug, Sign Corrected



Right In: -0.019+/-0.347 χ^2/NDF: 19.4/23

Left Out: 128.971+/-78.249 χ^2/NDF:20.1/24

Right Out: -0.599+/-0.324 χ^2/NDF: 24.4/28

Left In: -19.324+/-79.767 χ^2/NDF:33.7/22

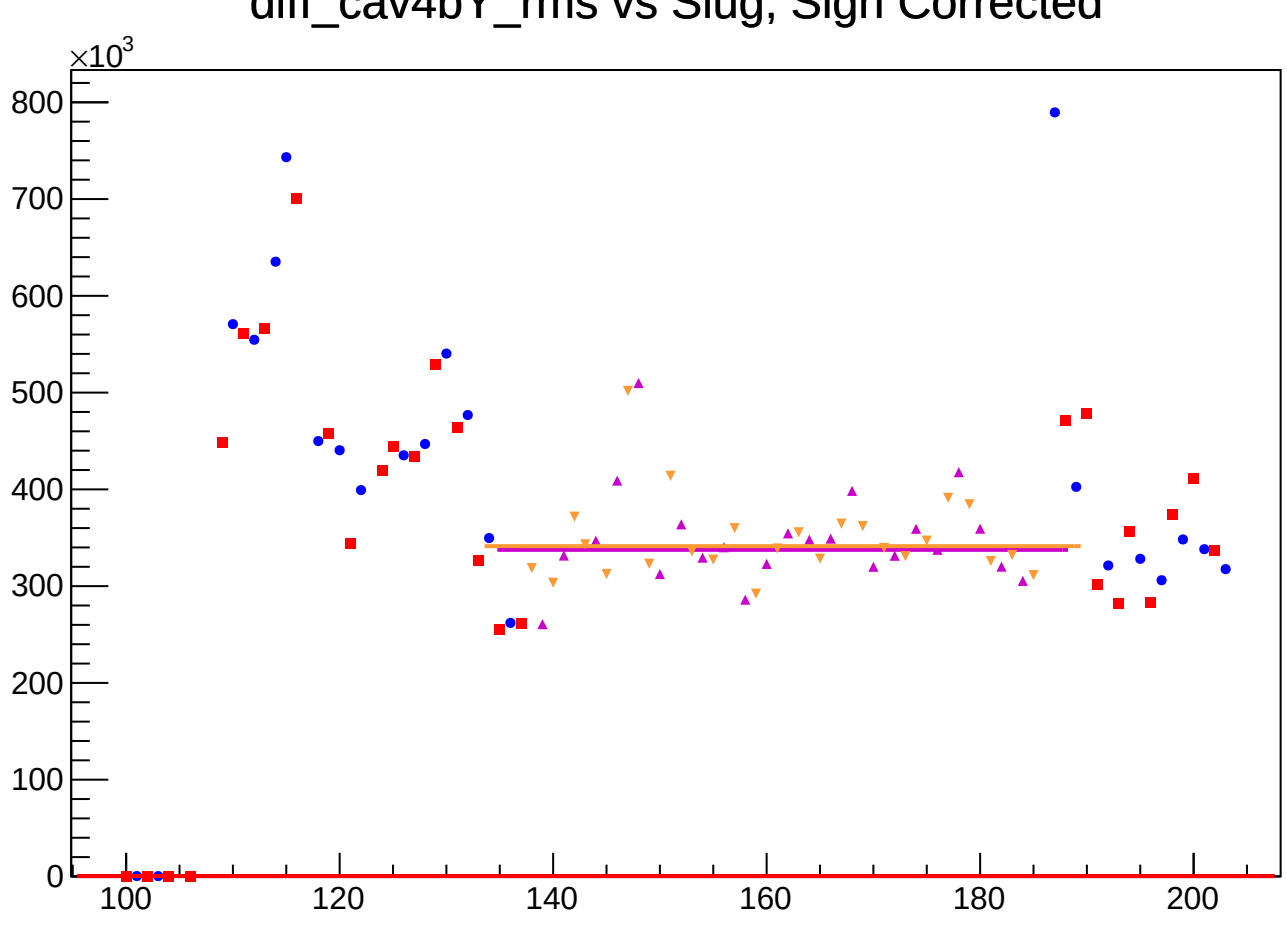
Left: 56.249+/-55.859 χ^2/NDF: 55.5/47

Right: -0.329+/-0.237 χ^2/NDF: 45.3/52

In: -0.019+/-0.347 χ^2/NDF:53.1/46

Out: -0.597+/-0.324 χ^2/NDF:47.3/53

All: -0.328+/-0.237 χ^2/NDF: 101.9/100



Right In: 392.301+/-0.245 χ^2/NDF: 22248193.9/22

Left Out: 341327.149+/-55.330 χ^2/NDF:403173.8/24

Right Out: 389.896+/-0.229 χ^2/NDF: 23887681.2/26

Left In: 337505.654+/-56.407 χ^2/NDF:600776.4/22

Left: 339453.220+/-39.500 χ^2/NDF: 1006289.4/47

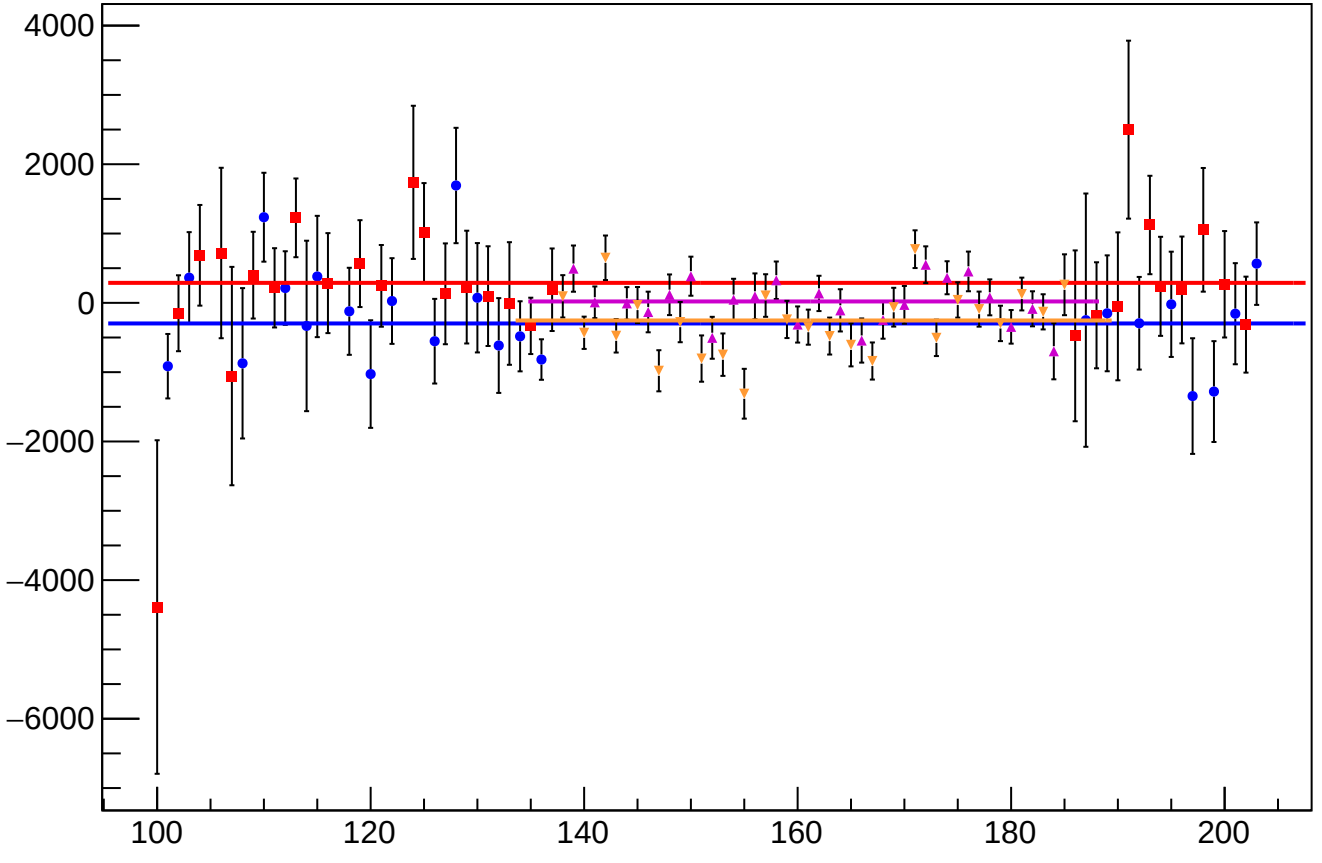
Right: 391.015+/-0.167 χ^2/NDF: 46135926.4/49

In: 398.684+/-0.245 χ^2/NDF:58566385.3/45

Out: 395.734+/-0.229 χ^2/NDF:62258773.2/51

All: 397.107+/-0.167 χ^2/NDF: 120825235.8/9

diff_cav4cX_mean vs Slug, Sign Corrected



Right In: -297.252+/-129.336 χ^2/NDF: 26.9/23

Left Out: -254.371+/-55.417 χ^2/NDF:61.3/24

Right Out: 288.396+/-134.468 χ^2/NDF: 20.6/28

Left In: 20.176+/-57.484 χ^2/NDF:28.6/22

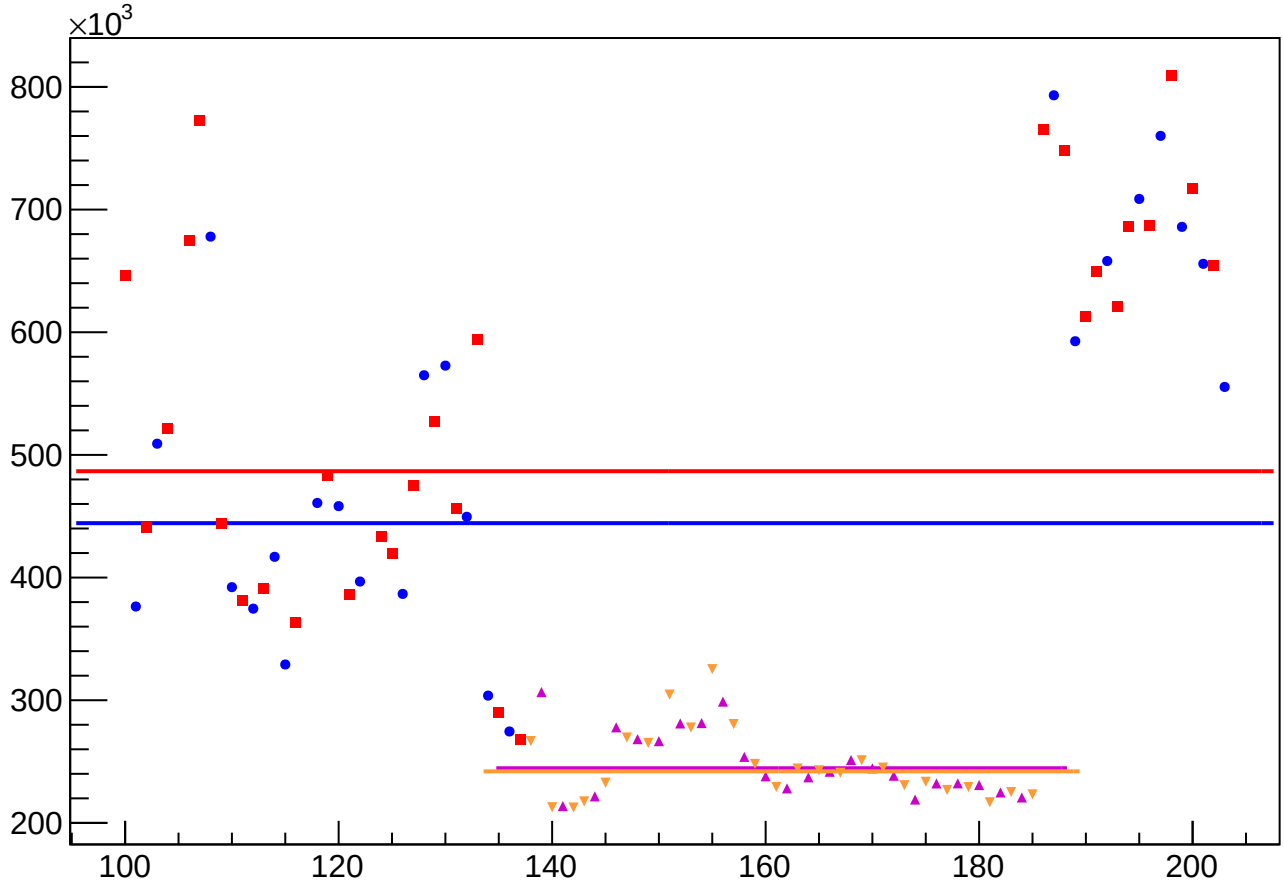
Left: -122.121+/-39.897 χ^2/NDF: 101.7/47

Right: -15.817+/-93.216 χ^2/NDF: 57.3/52

In: -32.186+/-52.529 χ^2/NDF:60.5/46

Out: -175.568+/-51.237 χ^2/NDF:95.8/53

All: -105.662+/-36.678 χ^2/NDF: 160.1/100



Right In: 444358.055+/-91.474 χ^2/NDF: 2520654.6/23

Left Out: 242008.749+/-39.186 χ^2/NDF:413236.1/24

Right Out: 486707.826+/-95.208 χ^2/NDF: 2486627.6/28

Left In: 244542.686+/-40.647 χ^2/NDF:361527.4/22

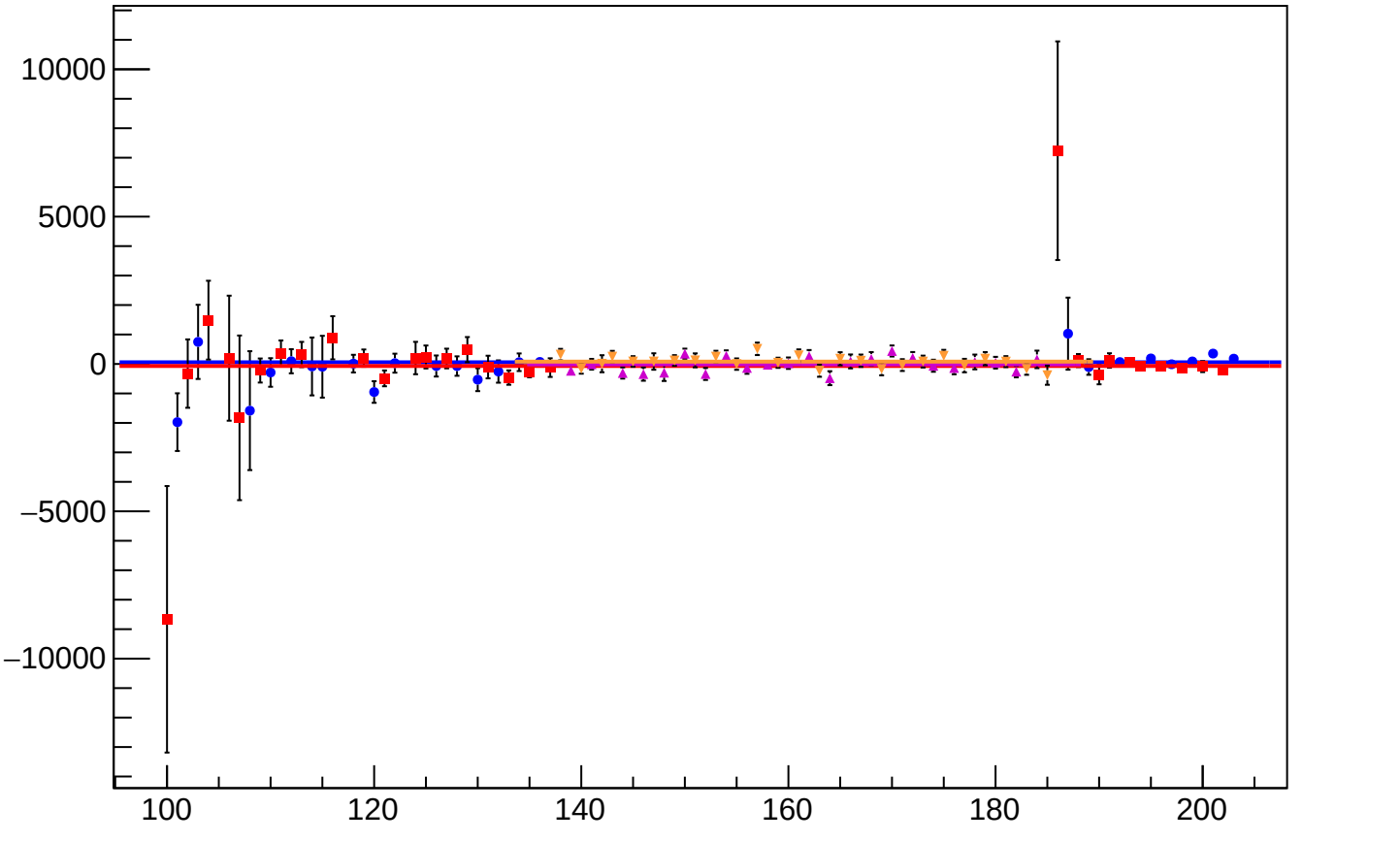
Left: 243229.356+/-28.211 χ^2/NDF: 776777.7/47

Right: 464686.098+/-65.963 χ^2/NDF: 5110167.3/52

In: 277491.283+/-37.145 χ^2/NDF:6866961.3/46

Out: 277455.992+/-36.237 χ^2/NDF:8548599.8/53

All: 277473.201+/-25.938 χ^2/NDF: 1541556



Right In: 57.039+/-48.208 χ^2/NDF: 22.9/23

Left Out: 79.495+/-41.301 χ^2/NDF:19.7/24

Right Out: -68.602+/-47.085 χ^2/NDF: 26.9/28

Left In: -14.032+/-42.233 χ^2/NDF:33.2/22

Left: 33.776+/-29.528 χ^2/NDF: 55.4/47

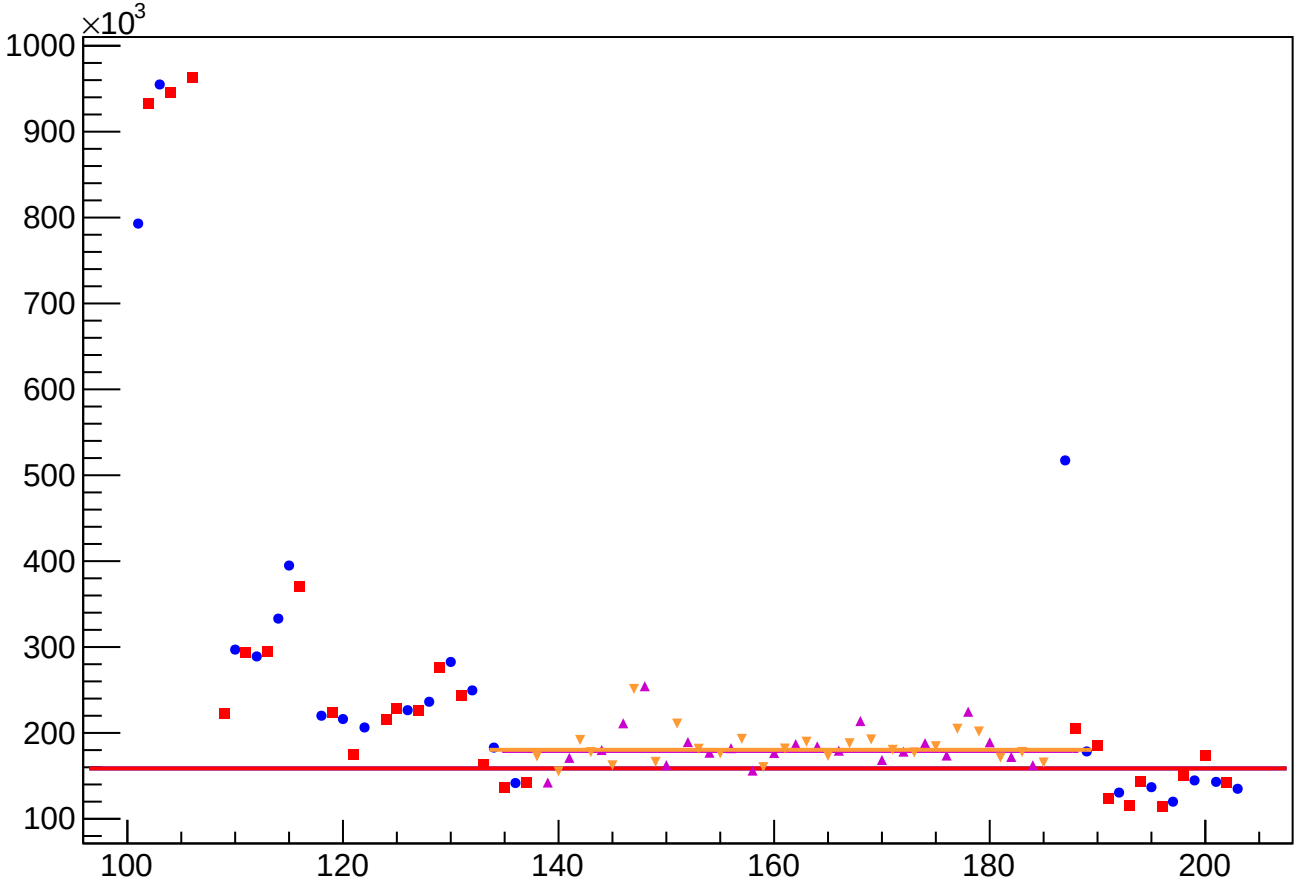
Right: -7.262+/-33.684 χ^2/NDF: 53.3/52

In: 16.829+/-31.767 χ^2/NDF:57.3/46

Out: 15.097+/-31.049 χ^2/NDF:52.2/53

All: 15.943+/-22.204 χ^2/NDF: 109.5/100

diff_cav4cY_rms vs Slug, Sign Corrected



Right In: 158663.056+/-34.106 χ^2/NDF: 3204953.1/22

Left Out: 180342.867+/-29.204 χ^2/NDF:346596.9/24

Right Out: 158677.845+/-33.321 χ^2/NDF: 3261256.9/25

Left In: 179024.195+/-29.863 χ^2/NDF:501400.7/22

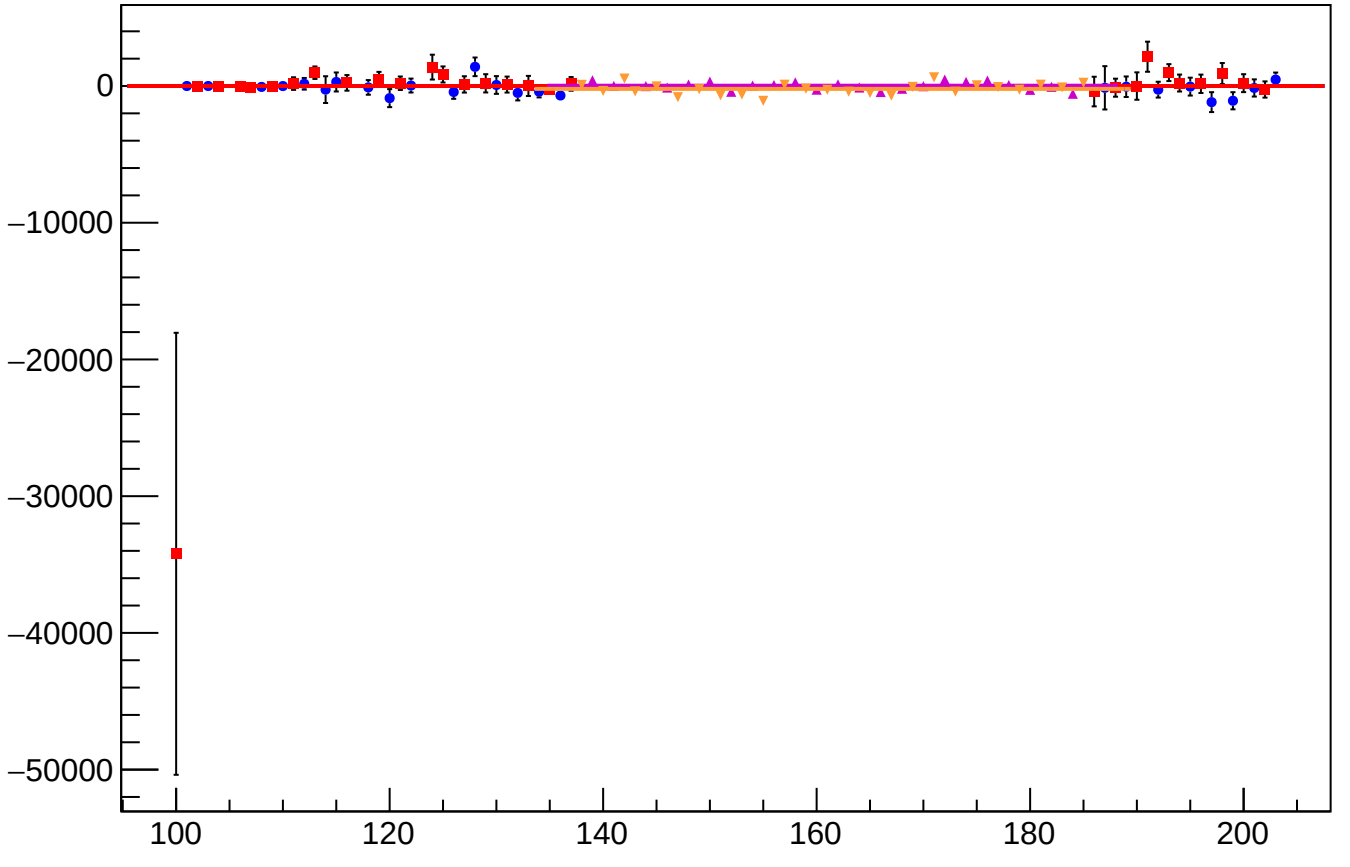
Left: 179698.251+/-20.880 χ^2/NDF: 848994.3/47

Right: 158670.623+/-23.834 χ^2/NDF: 6466210.1/48

In: 170188.077+/-22.468 χ^2/NDF:3908090.5/45

Out: 170930.613+/-21.962 χ^2/NDF:3846947.8/50

All: 170567.789+/-15.705 χ^2/NDF: 7755596.



Right In: -0.035+/-0.172 χ^2/NDF: 24.8/23

Left Out: -210.198+/-46.290 χ^2/NDF:61.2/24

Right Out: 0.355+/-0.160 χ^2/NDF: 24.8/28

Left In: 21.095+/-48.037 χ^2/NDF:28.6/22

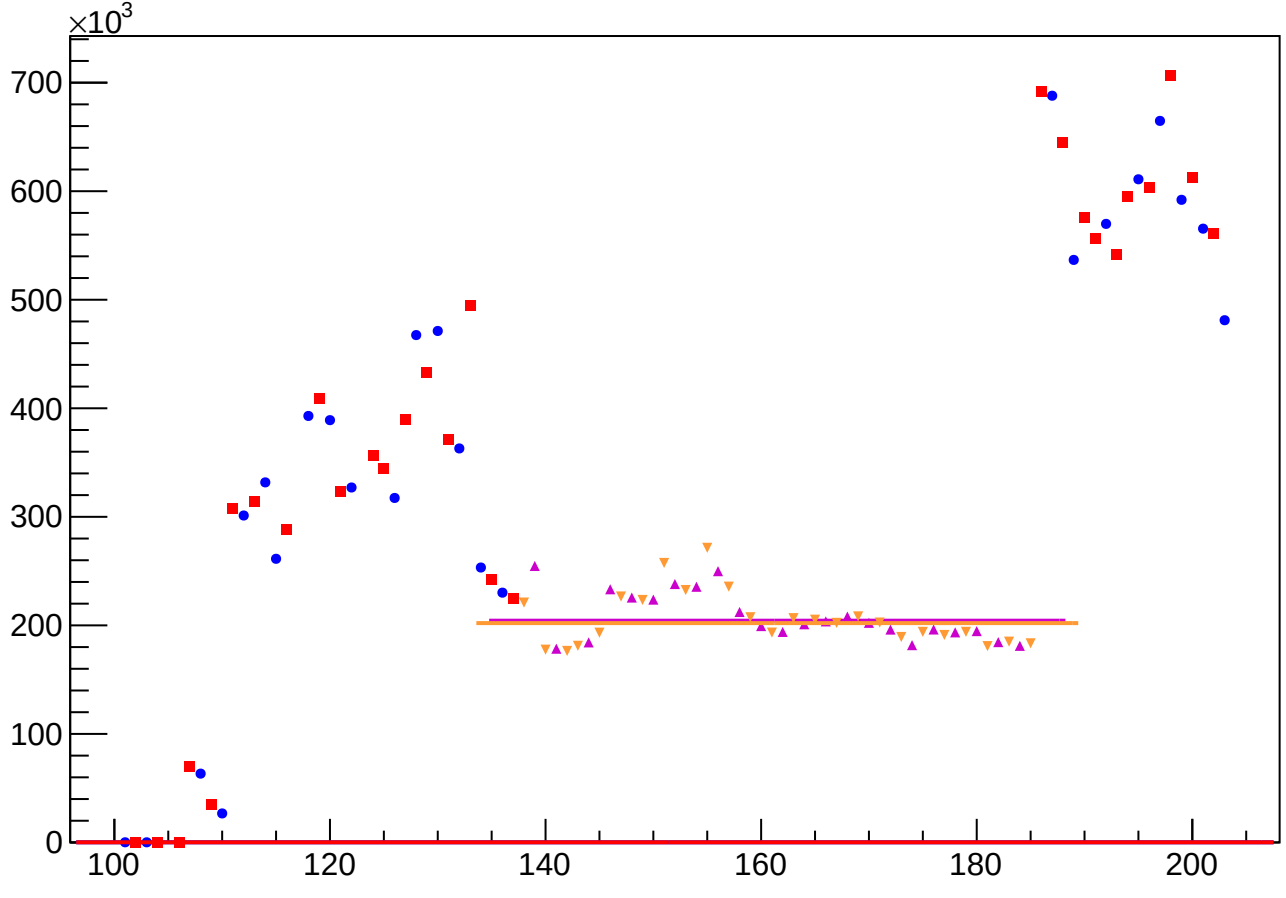
Left: -98.836+/-33.332 χ^2/NDF: 101.8/47

Right: 0.174+/-0.117 χ^2/NDF: 52.4/52

In: -0.035+/-0.172 χ^2/NDF:53.6/46

Out: 0.353+/-0.160 χ^2/NDF:106.7/53

All: 0.173+/-0.117 χ^2/NDF: 163.0/100



Right In: 149.399+/-0.122 χ^2/NDF: 23182156.8/23

Left Out: 202085.802+/-32.732 χ^2/NDF:434069.3/24

Right Out: 149.676+/-0.113 χ^2/NDF: 25382340.4/27

Left In: 204310.238+/-33.967 χ^2/NDF:377332.3/22

Left: 203156.818+/-23.570 χ^2/NDF: 813625.2/47

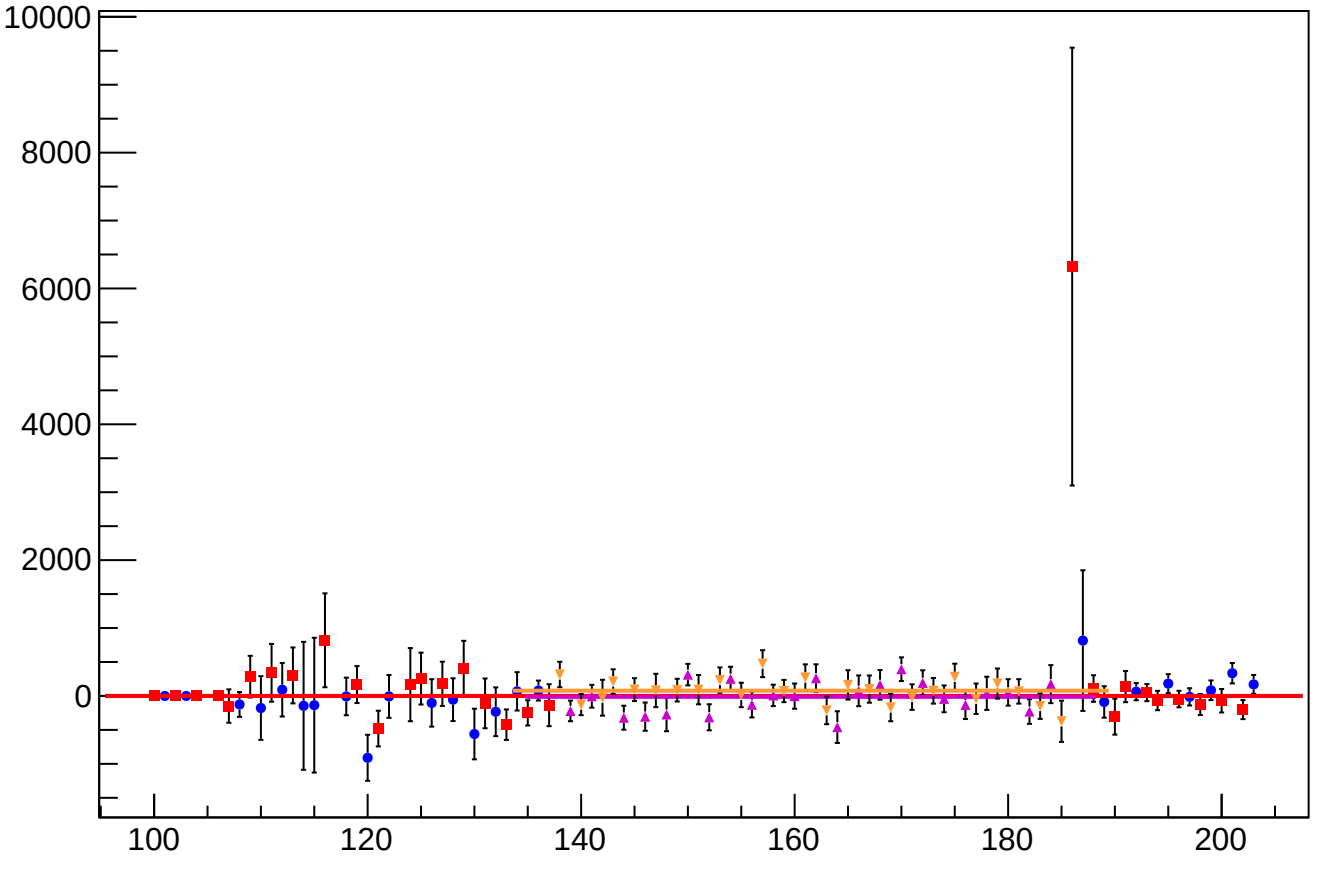
Right: 149.548+/-0.083 χ^2/NDF: 48564500.0/51

In: 152.024+/-0.122 χ^2/NDF:59684868.0/46

Out: 152.093+/-0.113 χ^2/NDF:63878065.4/52

All: 152.061+/-0.083 χ^2/NDF: 123562933.6/9

diff_cav4dY_mean vs Slug, Sign Corrected



Right In: -0.067+/-0.177 χ^2/NDF: 20.7/23

Left Out: 77.572+/-38.921 χ^2/NDF:19.1/24

Right Out: -0.127+/-0.166 χ^2/NDF: 24.5/28

Left In: -13.457+/-39.929 χ^2/NDF:32.7/22

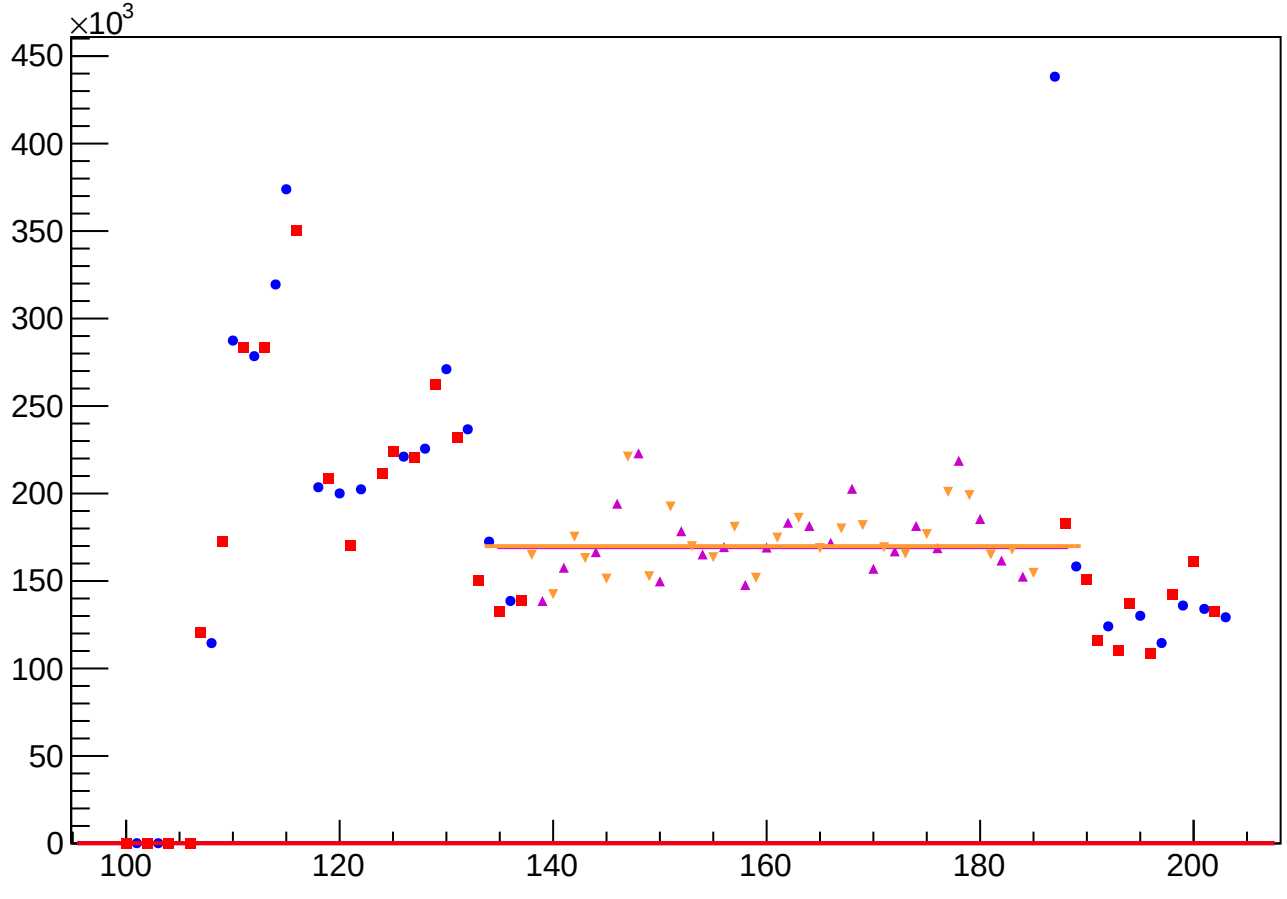
Left: 33.221+/-27.871 χ^2/NDF: 54.4/47

Right: -0.099+/-0.121 χ^2/NDF: 45.3/52

In: -0.067+/-0.177 χ^2/NDF:53.5/46

Out: -0.125+/-0.166 χ^2/NDF:47.5/53

All: -0.098+/-0.121 χ^2/NDF: 101.1/100



Right In: 154.837+/-0.125 χ^2/NDF: 23517174.5/23

Left Out: 169916.225+/-27.521 χ^2/NDF:363966.0/24

Right Out: 157.491+/-0.118 χ^2/NDF: 24376063.1/27

Left In: 169352.083+/-28.234 χ^2/NDF:474852.1/22

Left: 169641.366+/-19.708 χ^2/NDF: 839022.8/47

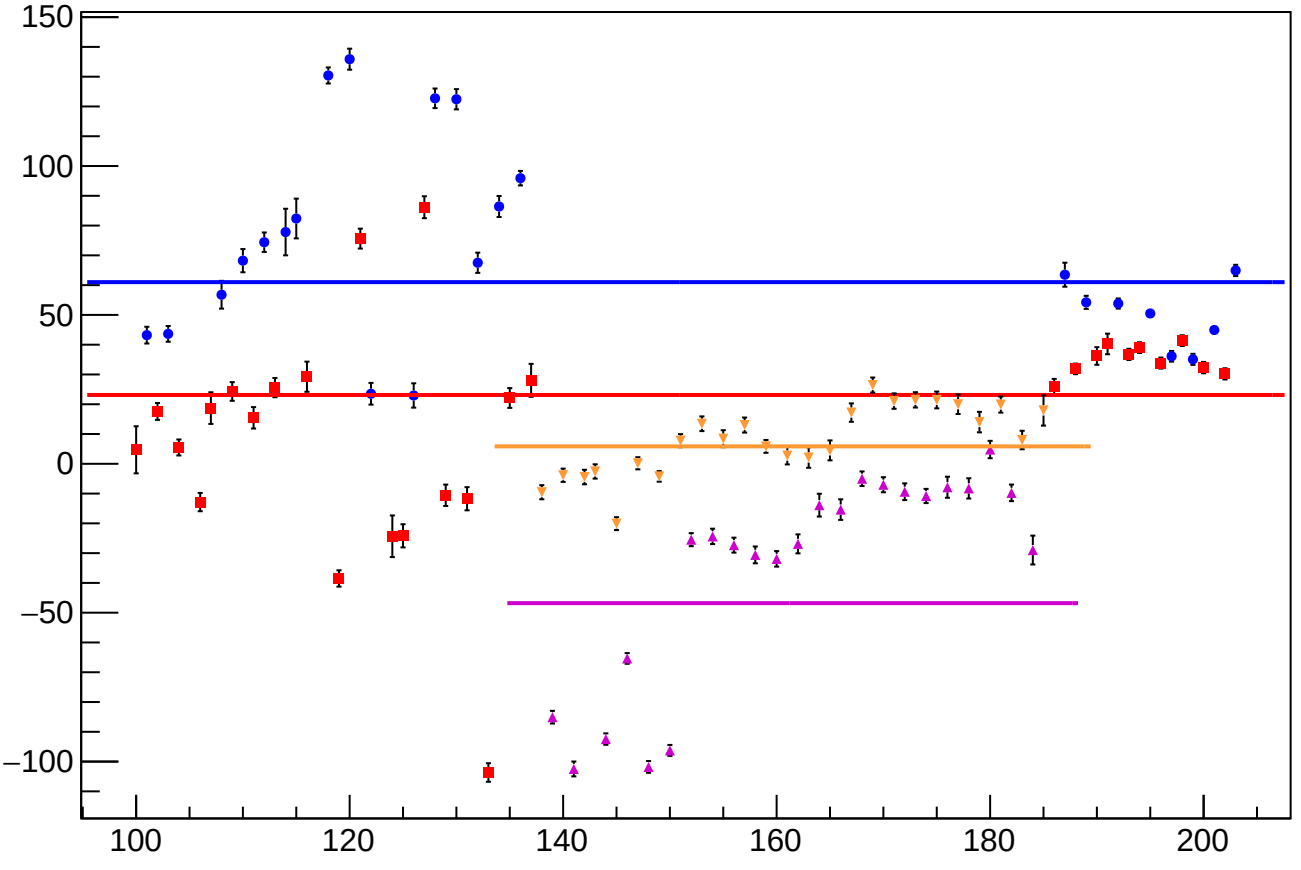
Right: 156.247+/-0.086 χ^2/NDF: 47893475.7/51

In: 158.171+/-0.125 χ^2/NDF:59902665.8/46

Out: 160.597+/-0.118 χ^2/NDF:62786477.9/52

All: 159.459+/-0.086 χ^2/NDF: 122689342.9/9

diff_bpm0i01X_mean vs Slug, Sign Corrected



Right In: 61.004+/-0.527 χ^2/NDF: 2915.3/23

Left Out: 5.852+/-0.514 χ^2/NDF:535.3/24

Right Out: 23.113+/-0.507 χ^2/NDF: 3626.7/28

Left In: -46.796+/-0.524 χ^2/NDF:5175.4/22

Left: -19.940+/-0.367 χ^2/NDF: 10850.6/47

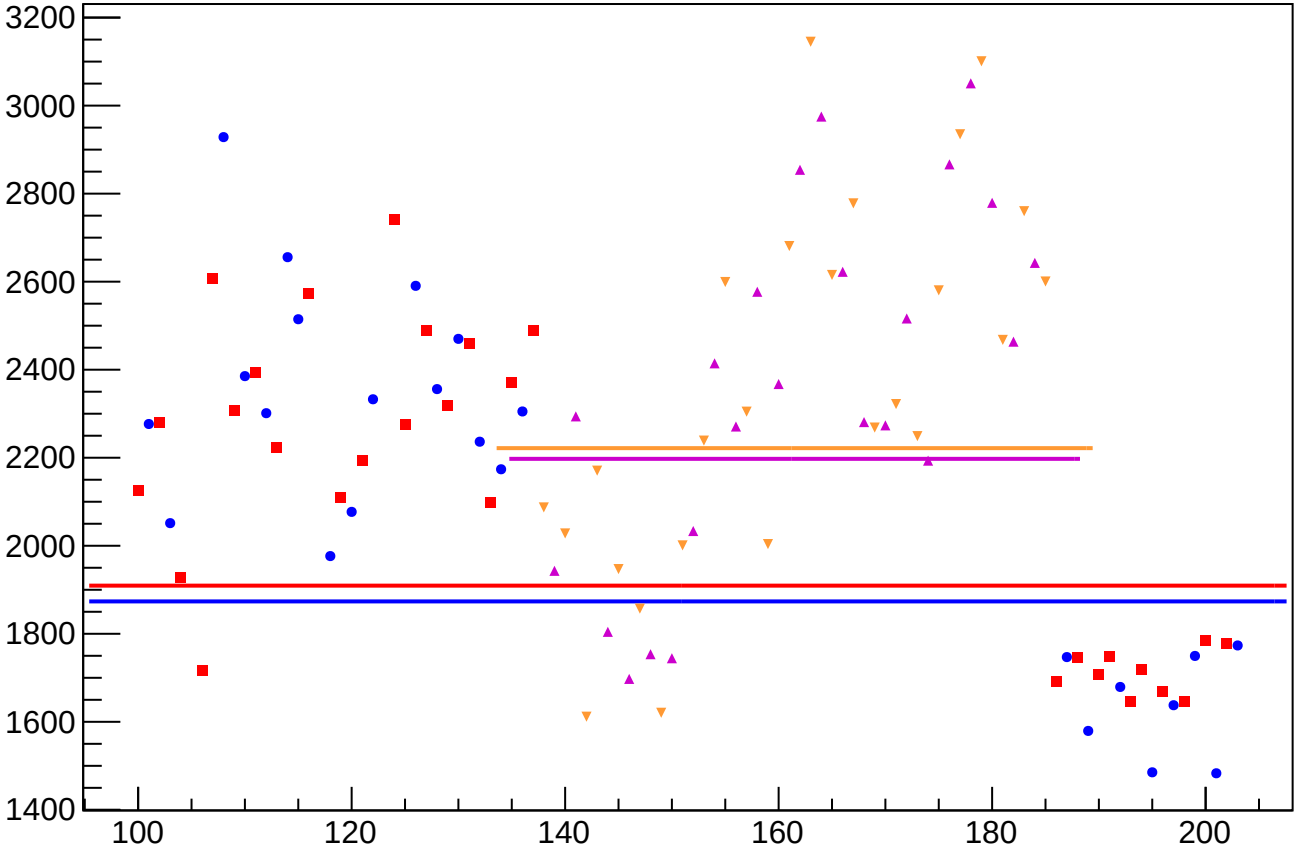
Right: 41.329+/-0.365 χ^2/NDF: 9228.0/52

In: 6.864+/-0.372 χ^2/NDF:29118.9/46

Out: 14.602+/-0.361 χ^2/NDF:4733.7/53

All: 10.846+/-0.259 χ^2/NDF: 34075.7/100

diff_bpm0i01X_rms vs Slug, Sign Corrected



Right In: 1873.558+/-0.373 χ^2/NDF: 901721.1/23

Left Out: 2221.771+/-0.363 χ^2/NDF:1184043.2/24

Right Out: 1909.393+/-0.358 χ^2/NDF: 654173.1/28

Left In: 2197.471+/-0.371 χ^2/NDF:1104663.4/22

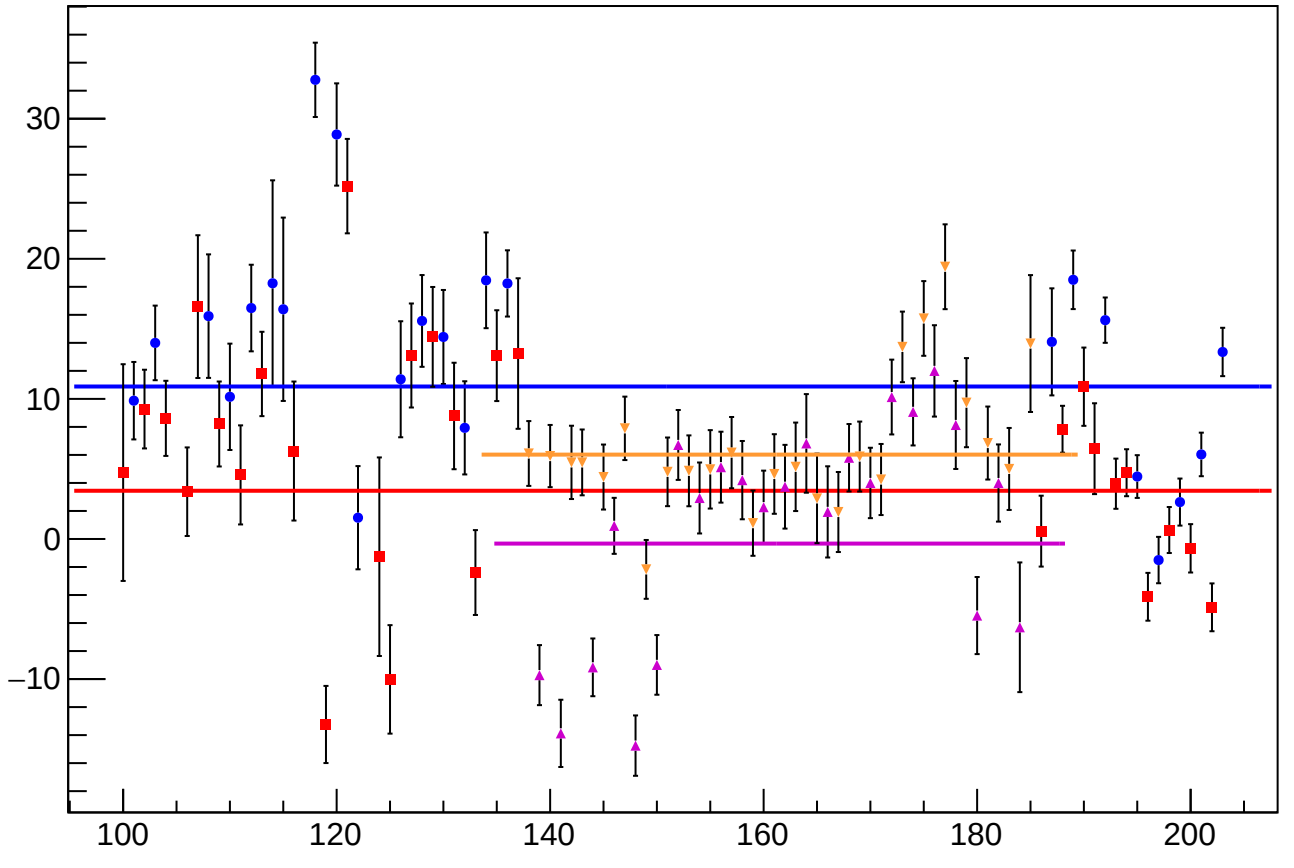
Left: 2209.867+/-0.260 χ^2/NDF: 2290896.6/47

Right: 1892.166+/-0.258 χ^2/NDF: 1560699.1/52

In: 2036.236+/-0.263 χ^2/NDF:2386097.5/46

Out: 2063.421+/-0.255 χ^2/NDF:2212700.5/53

All: 2050.228+/-0.183 χ^2/NDF: 4604304.2/10



Right In: 10.884+/-0.500 χ^2/NDF: 257.4/23

Left Out: 6.022+/-0.521 χ^2/NDF:71.8/24

Right Out: 3.442+/-0.481 χ^2/NDF: 219.1/28

Left In: -0.329+/-0.535 χ^2/NDF:224.9/22

Left: 2.929+/-0.373 χ^2/NDF: 369.1/47

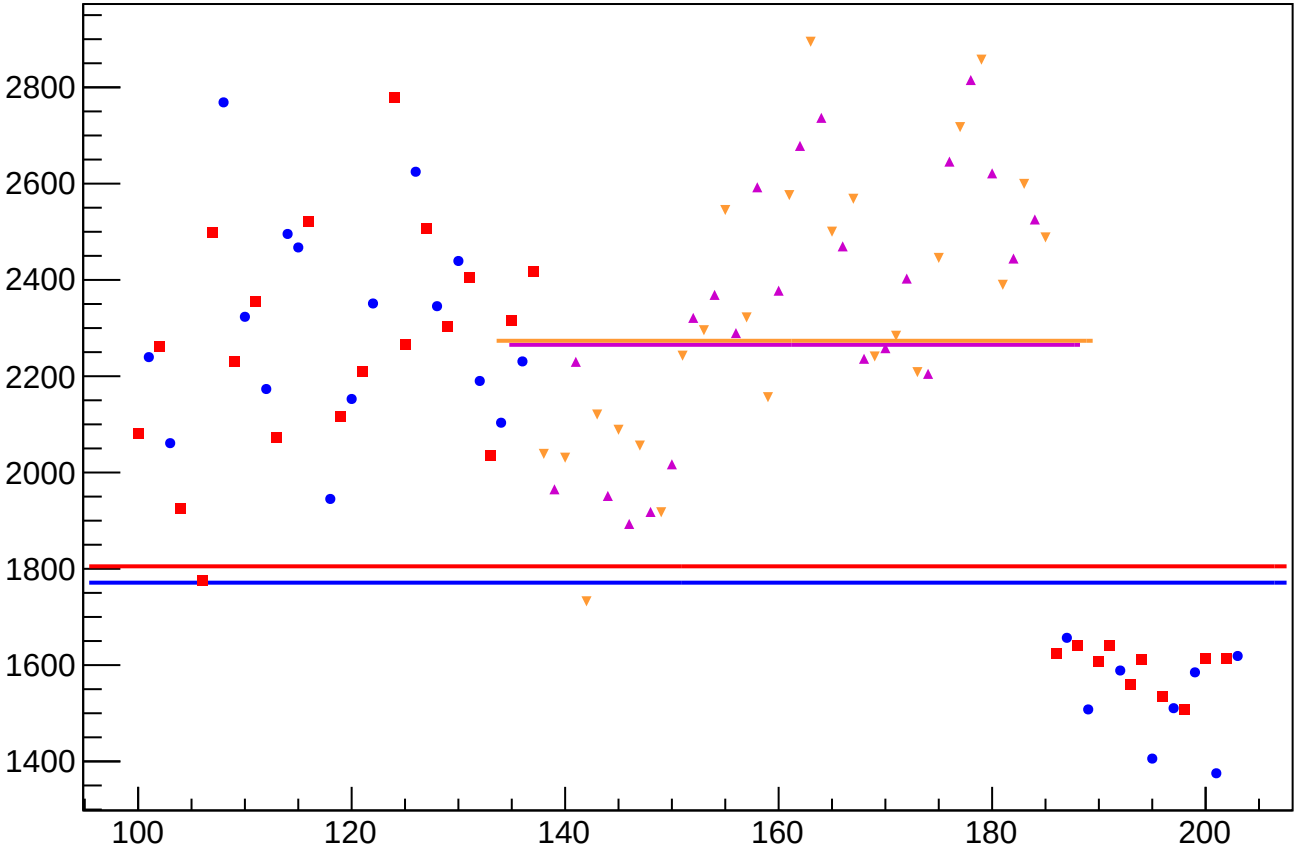
Right: 7.020+/-0.347 χ^2/NDF: 591.6/52

In: 5.654+/-0.365 χ^2/NDF:717.0/46

Out: 4.629+/-0.353 χ^2/NDF:304.1/53

All: 5.125+/-0.254 χ^2/NDF: 1025.2/100

diff_bpm0i01Y_rms vs Slug, Sign Corrected



Right In: 1771.216+/-0.353 χ^2/NDF: 1126784.9/23

Left Out: 2273.612+/-0.368 χ^2/NDF:536838.6/24

Right Out: 1805.165+/-0.340 χ^2/NDF: 883733.3/28

Left In: 2265.257+/-0.378 χ^2/NDF:495816.5/22

Left: 2269.543+/-0.264 χ^2/NDF: 1032905.7/47

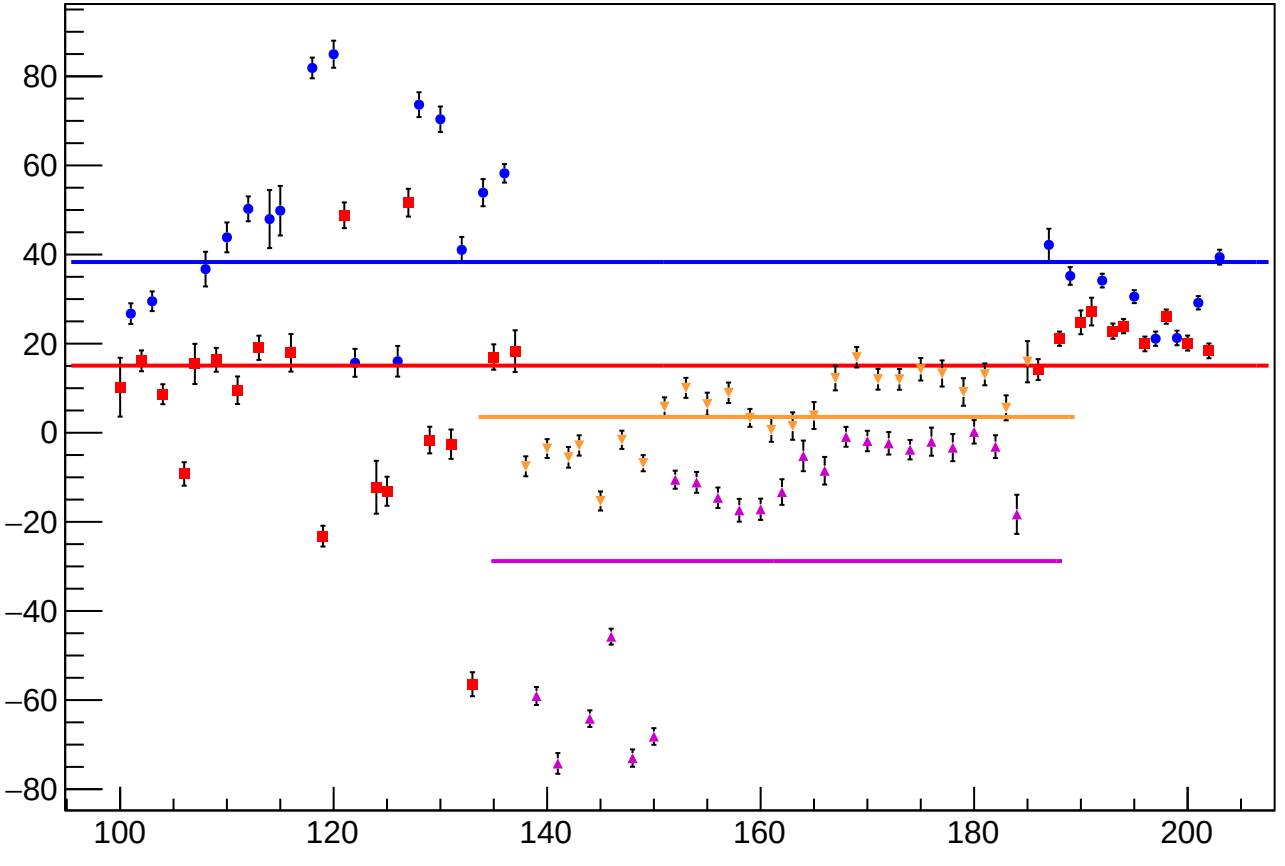
Right: 1788.844+/-0.245 χ^2/NDF: 2015310.1/52

In: 2001.640+/-0.258 χ^2/NDF:2534082.3/46

Out: 2020.749+/-0.250 χ^2/NDF:2293932.0/53

All: 2011.507+/-0.180 χ^2/NDF: 4830843.7/10

diff_bpm0i01aX_mean vs Slug, Sign Corrected



Right In: 38.322+/-0.461 χ^2/NDF: 1454.7/23

Left Out: 3.544+/-0.480 χ^2/NDF:319.8/24

Right Out: 15.068+/-0.443 χ^2/NDF: 1666.6/28

Left In: -28.804+/-0.491 χ^2/NDF:3262.5/22

Left: -12.278+/-0.343 χ^2/NDF: 5801.2/47

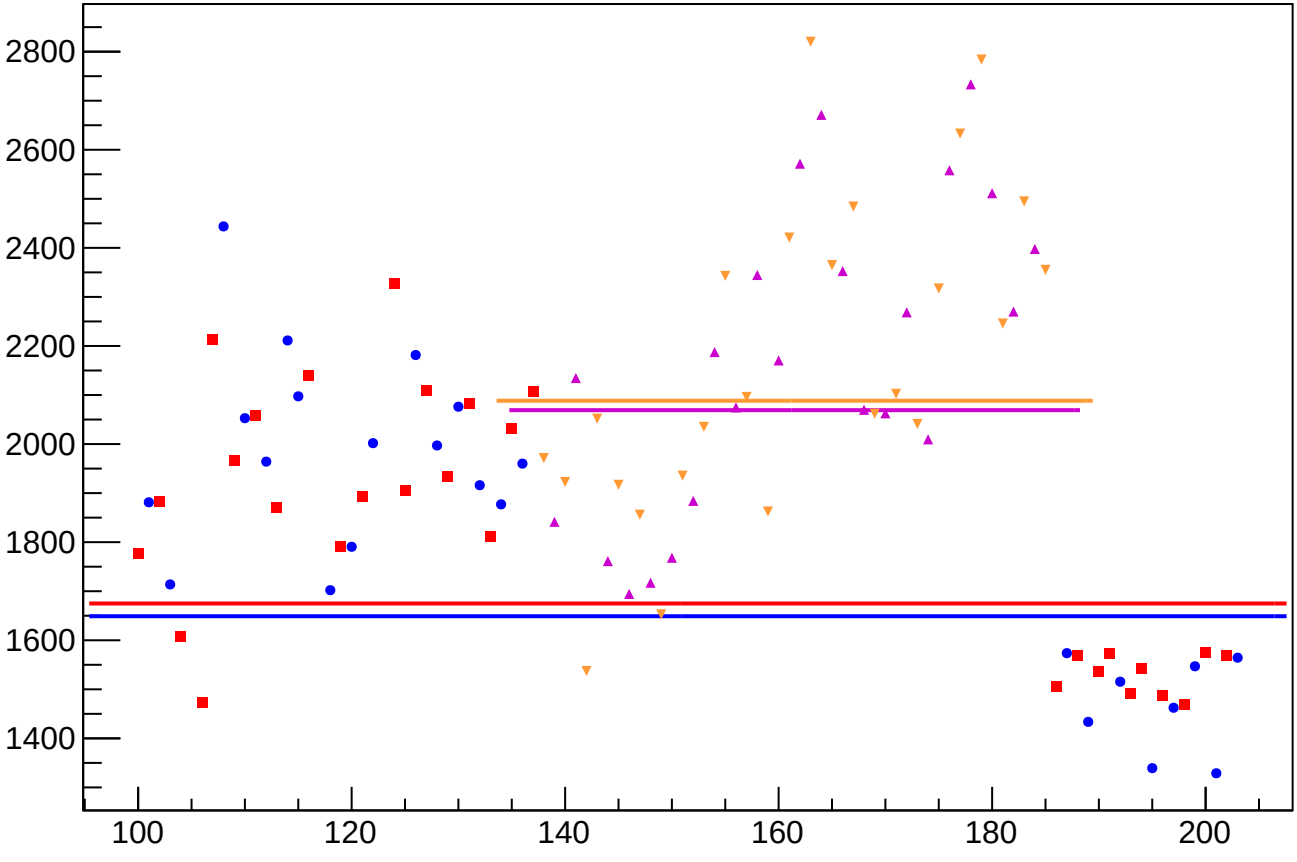
Right: 26.229+/-0.320 χ^2/NDF: 4442.8/52

In: 6.841+/-0.336 χ^2/NDF:14647.9/46

Out: 9.768+/-0.326 χ^2/NDF:2297.3/53

All: 8.351+/-0.234 χ^2/NDF: 16984.3/100

diff_bpm0i01aX_rms vs Slug, Sign Corrected



Right In: 1648.997+/-0.326 χ^2/NDF: 675305.0/23

Left Out: 2088.353+/-0.340 χ^2/NDF:787429.8/24

Right Out: 1674.988+/-0.313 χ^2/NDF: 474195.7/28

Left In: 2069.116+/-0.347 χ^2/NDF:711501.5/22

Left: 2078.944+/-0.243 χ^2/NDF: 1500500.6/47

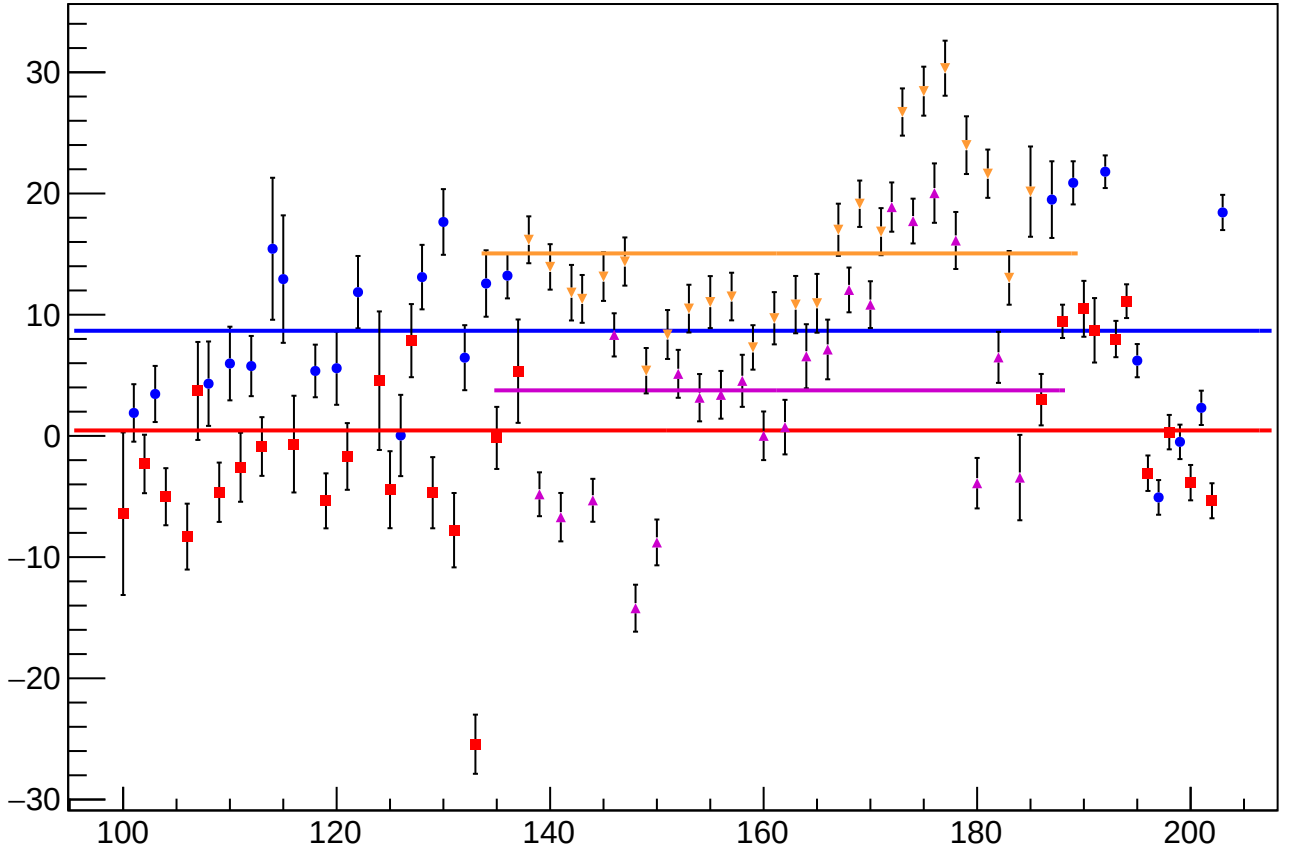
Right: 1662.514+/-0.226 χ^2/NDF: 1152802.5/52

In: 1846.028+/-0.238 χ^2/NDF:2164784.4/46

Out: 1865.080+/-0.230 χ^2/NDF:2061864.9/53

All: 1855.855+/-0.165 χ^2/NDF: 4229963.3/10

diff_bpm0i01aY_mean vs Slug, Sign Corrected



Right In: 8.675+/-0.423 χ^2/NDF: 408.4/23

Left Out: 15.056+/-0.416 χ^2/NDF:246.2/24

Right Out: 0.451+/-0.401 χ^2/NDF: 352.4/28

Left In: 3.758+/-0.428 χ^2/NDF:459.1/22

Left: 9.570+/-0.298 χ^2/NDF: 1064.0/47

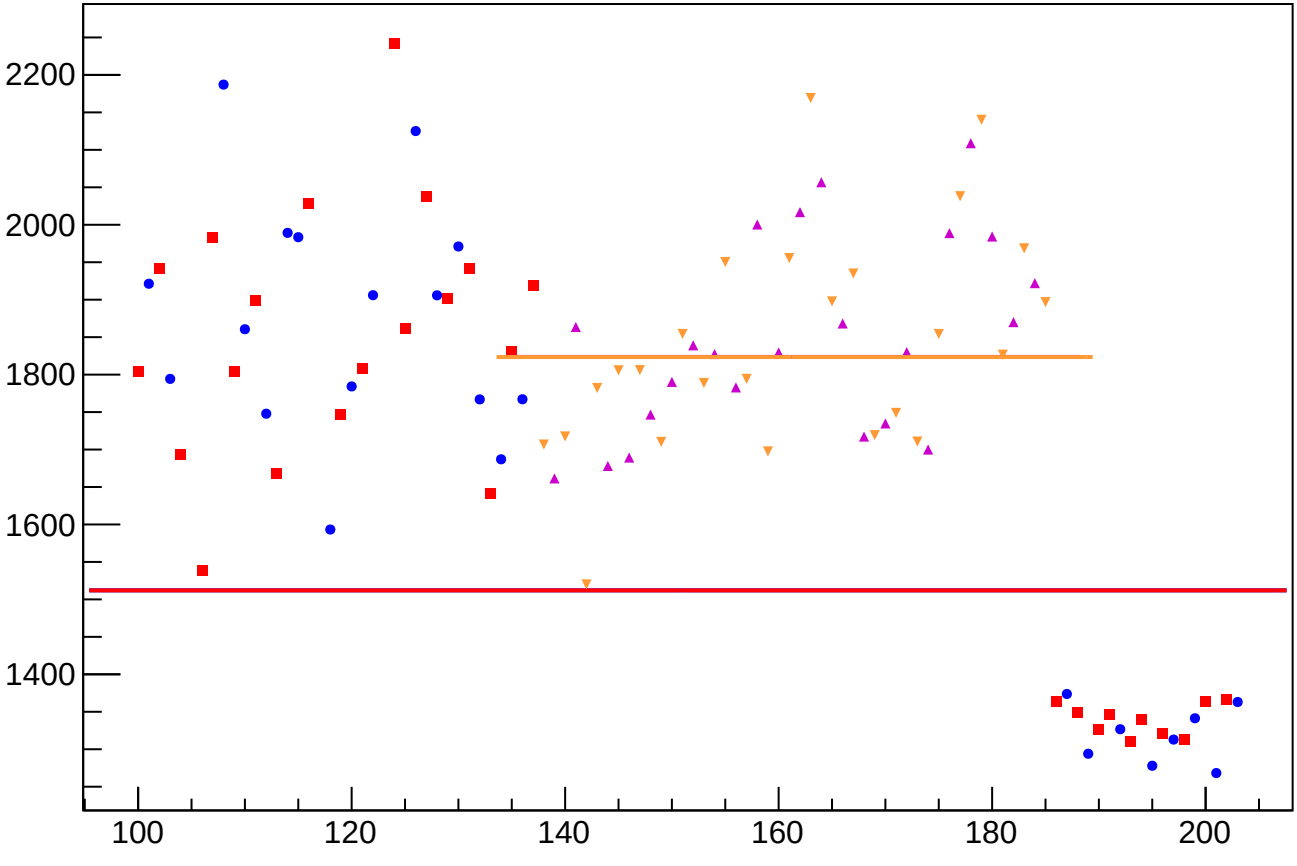
Right: 4.348+/-0.291 χ^2/NDF: 959.9/52

In: 6.246+/-0.301 χ^2/NDF:934.3/46

Out: 7.496+/-0.289 χ^2/NDF:1237.7/53

All: 6.896+/-0.208 χ^2/NDF: 2180.9/100

diff_bpm0i01aY_rms vs Slug, Sign Corrected



Right In: 1512.058+/-0.299 χ^2/NDF: 801276.6/23

Left Out: 1823.452+/-0.294 χ^2/NDF:211274.0/24

Right Out: 1512.069+/-0.284 χ^2/NDF: 744405.0/28

Left In: 1823.627+/-0.303 χ^2/NDF:163768.2/22

Left: 1823.537+/-0.211 χ^2/NDF: 375042.4/47

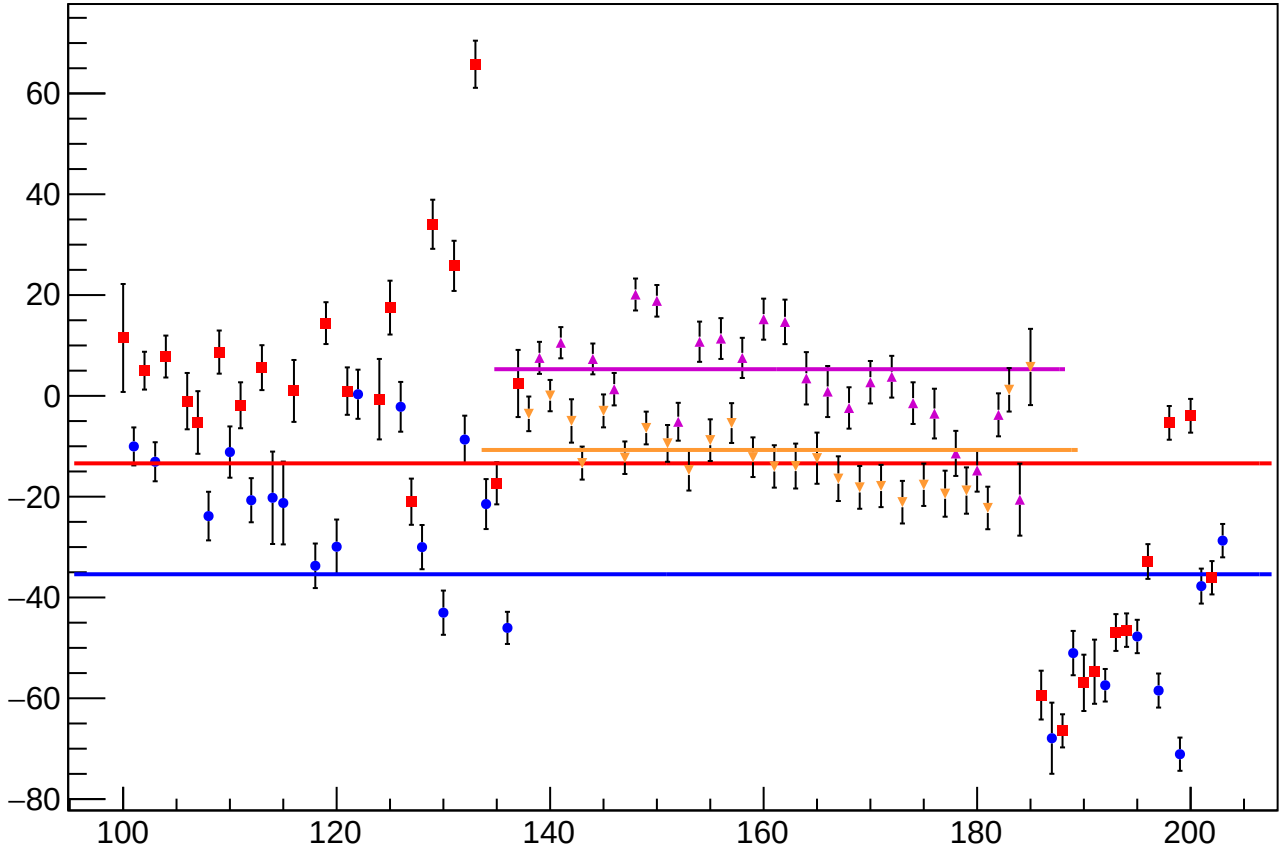
Right: 1512.064+/-0.206 χ^2/NDF: 1545681.6/52

In: 1665.994+/-0.213 χ^2/NDF:1501715.9/46

Out: 1662.253+/-0.204 χ^2/NDF:1536646.4/53

All: 1664.047+/-0.147 χ^2/NDF: 3038523.4/10

diff_bpm0l01X_mean vs Slug, Sign Corrected



Right In: -35.394+/-0.855 χ^2/NDF: 542.1/23

Left Out: -10.732+/-0.794 χ^2/NDF:73.8/24

Right Out: -13.391+/-0.817 χ^2/NDF: 1391.8/28

Left In: 5.291+/-0.814 χ^2/NDF:133.6/22

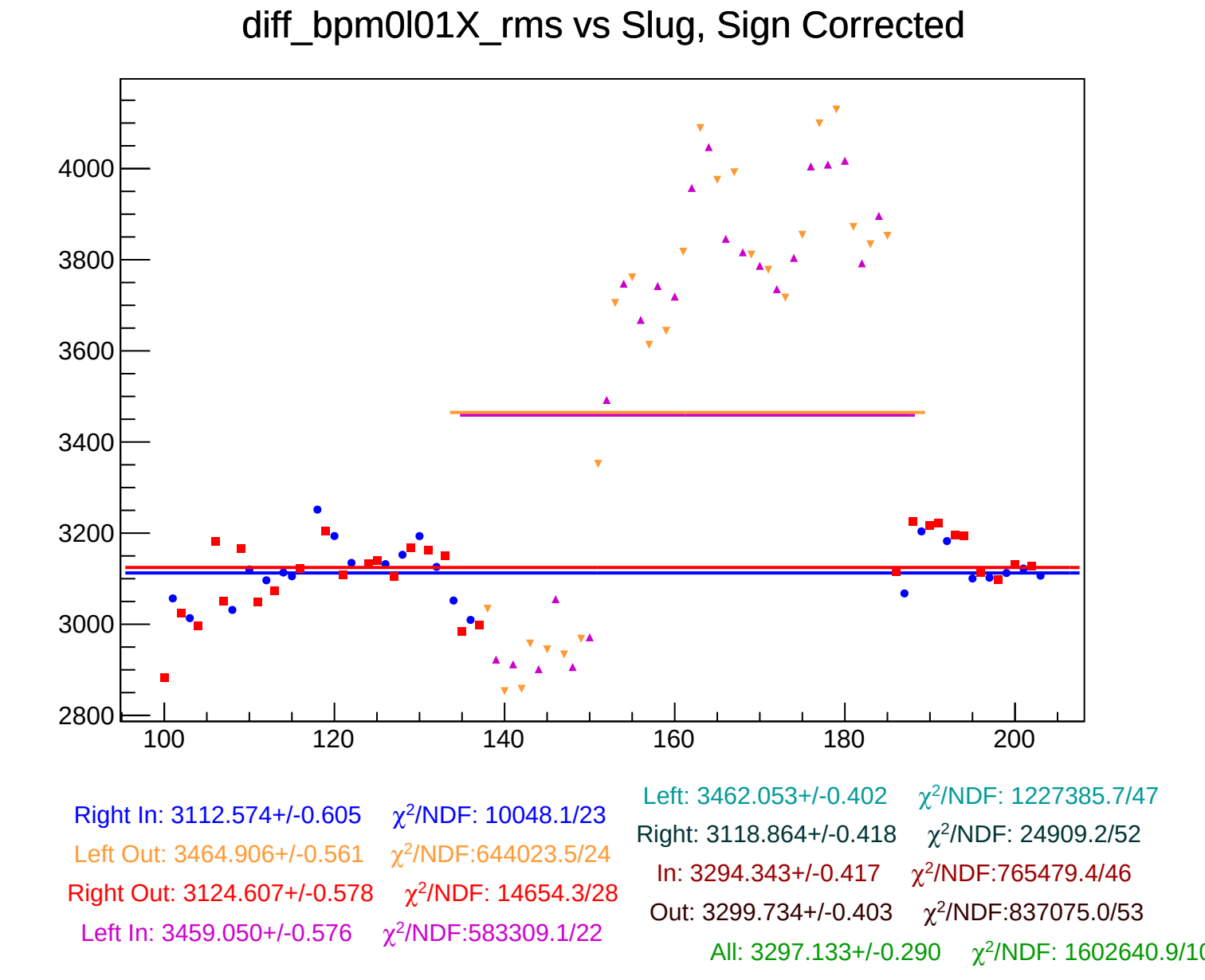
Left: -2.925+/-0.568 χ^2/NDF: 405.9/47

Right: -23.892+/-0.591 χ^2/NDF: 2279.7/52

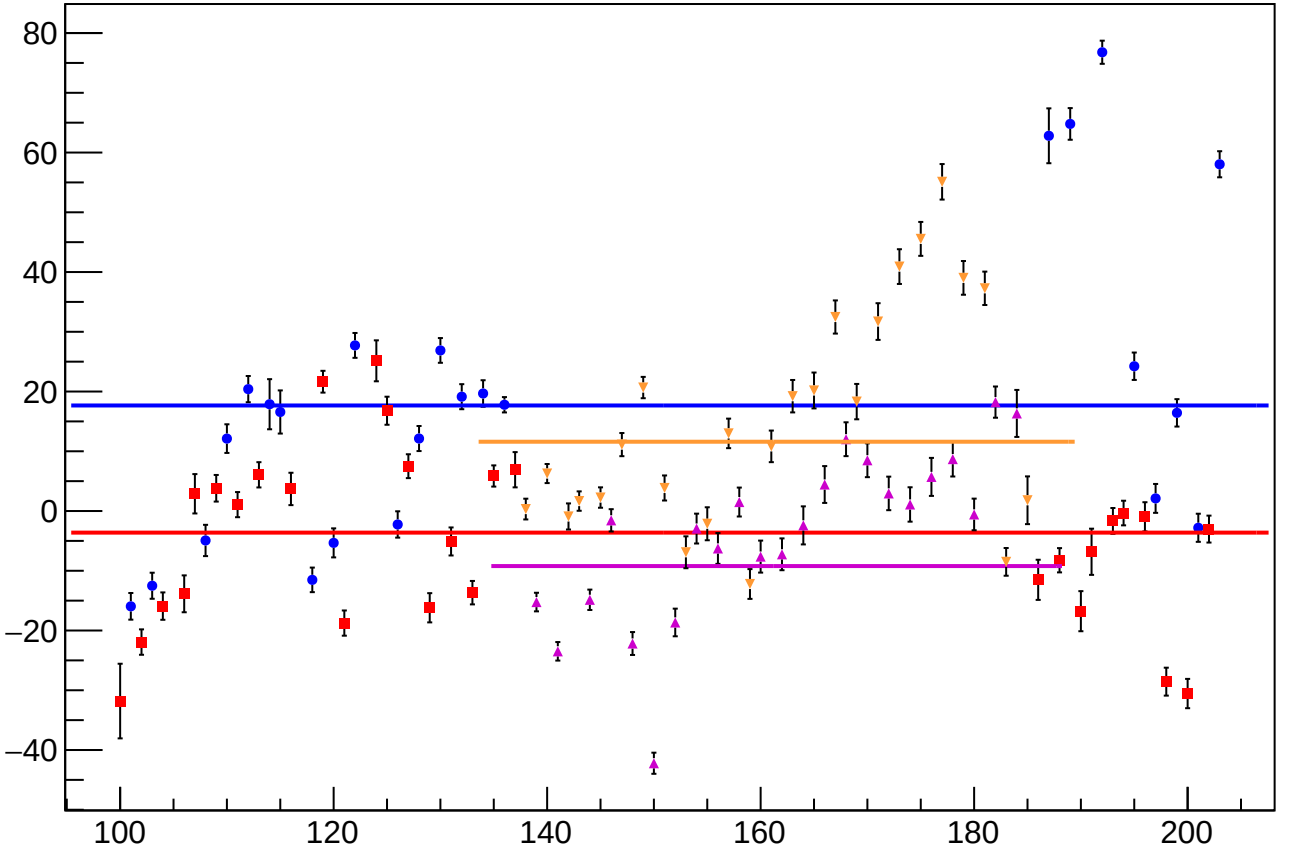
In: -14.050+/-0.590 χ^2/NDF:1862.3/46

Out: -12.023+/-0.569 χ^2/NDF:1471.0/53

All: -13.001+/-0.410 χ^2/NDF: 3339.5/100


diff_bpm0l01X_rms vs Slug, Sign Corrected
4000
3800
3600
3400
3200
3000
2800
100
120
140
160
180
200
Right In: 3112.574+/-0.605 χ²/NDF: 10048.1/23
Left Out: 3464.906+/-0.561 χ²/NDF:644023.5/24
Right Out: 3124.607+/-0.578 χ²/NDF: 14654.3/28
Left In: 3459.050+/-0.576 χ²/NDF:583309.1/22
Left: 3462.053+/-0.402 χ²/NDF: 1227385.7/47
Right: 3118.864+/-0.418 χ²/NDF: 24909.2/52
In: 3294.343+/-0.417 χ²/NDF:765479.4/46
Out: 3299.734+/-0.403 χ²/NDF:837075.0/53
All: 3297.133+/-0.290 χ²/NDF: 1602640.9/10

diff_bpm0l01Y_mean vs Slug, Sign Corrected



Right In: 17.666+/-0.456 χ^2/NDF: 2736.0/23

Left Out: 11.599+/-0.463 χ^2/NDF:1196.9/24

Right Out: -3.615+/-0.440 χ^2/NDF: 963.2/28

Left In: -9.213+/-0.484 χ^2/NDF:940.6/22

Left: 1.641+/-0.335 χ^2/NDF: 3102.6/47

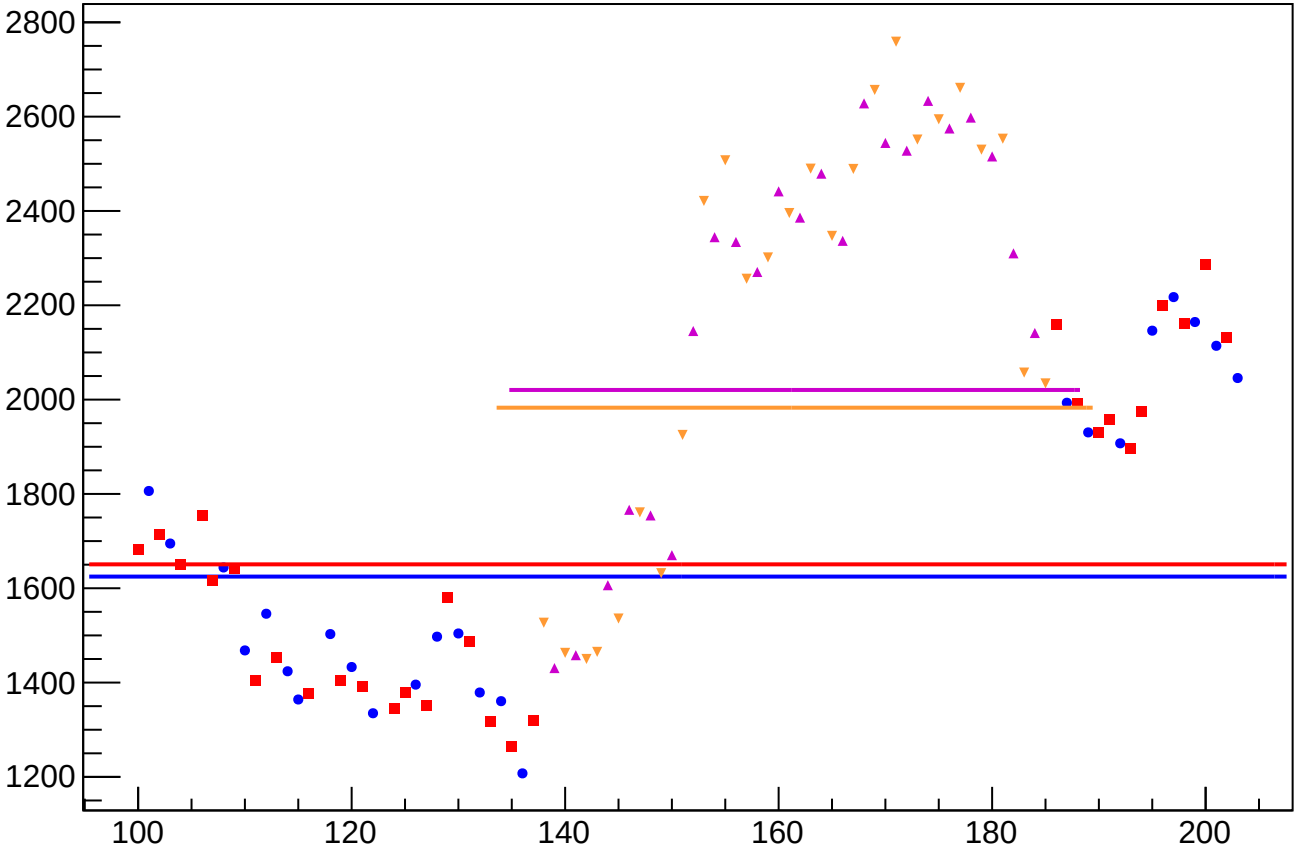
Right: 6.658+/-0.317 χ^2/NDF: 4826.1/52

In: 5.024+/-0.332 χ^2/NDF:5311.4/46

Out: 3.606+/-0.319 χ^2/NDF:2726.4/53

All: 4.287+/-0.230 χ^2/NDF: 8047.3/100

diff_bpm0l01Y_rms vs Slug, Sign Corrected



Right In: 1624.748+/-0.322 χ^2/NDF: 980016.6/23

Left Out: 1982.871+/-0.328 χ^2/NDF:1977669.4/24

Right Out: 1650.698+/-0.311 χ^2/NDF: 1038938.2/28

Left In: 2020.468+/-0.342 χ^2/NDF:1614691.2/22

Left: 2000.860+/-0.237 χ^2/NDF: 3598659.4/47

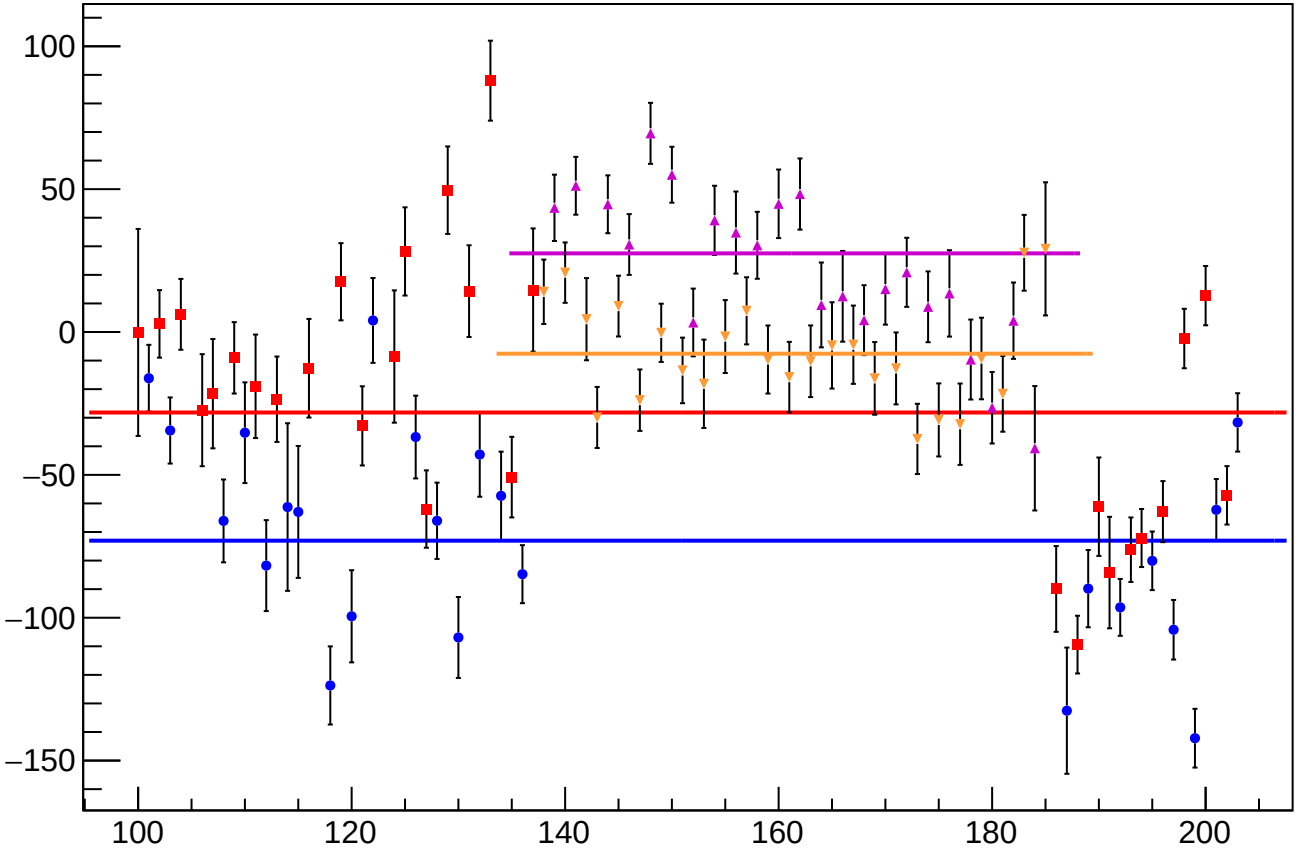
Right: 1638.171+/-0.224 χ^2/NDF: 2022306.5/52

In: 1810.871+/-0.235 χ^2/NDF:3303395.4/46

Out: 1808.344+/-0.226 χ^2/NDF:3556511.5/53

All: 1809.558+/-0.163 χ^2/NDF: 6859967.1/10

diff_bpm0l02X_mean vs Slug, Sign Corrected



Right In: -73.031+/-2.660 χ^2/NDF: 188.8/23

Left Out: -7.594+/-2.495 χ^2/NDF:47.9/24

Right Out: -28.170+/-2.546 χ^2/NDF: 329.5/28

Left In: 27.528+/-2.556 χ^2/NDF:93.0/22

Left: 9.540+/-1.786 χ^2/NDF: 237.6/47

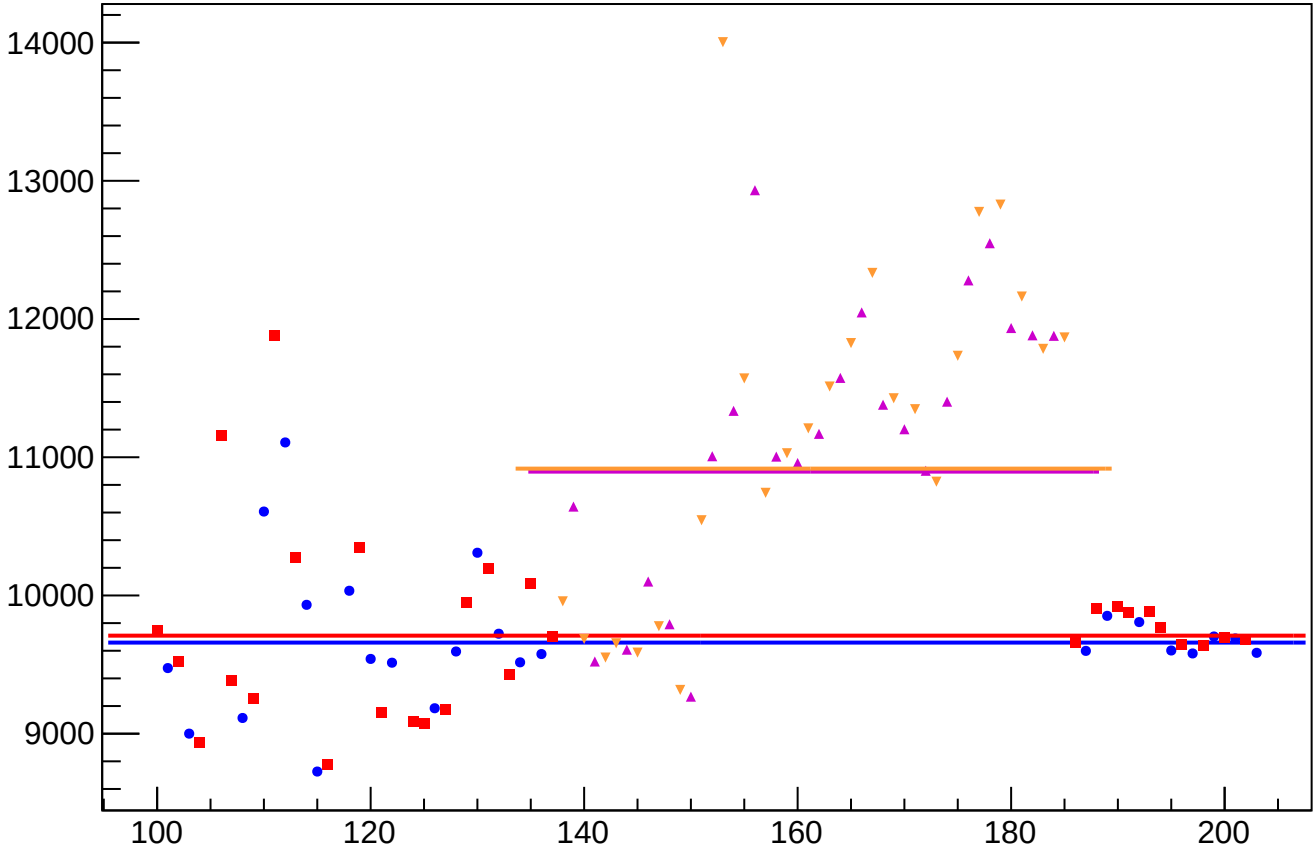
Right: -49.615+/-1.839 χ^2/NDF: 666.7/52

In: -20.752+/-1.843 χ^2/NDF:1024.7/46

Out: -17.675+/-1.782 χ^2/NDF:410.7/53

All: -19.161+/-1.281 χ^2/NDF: 1436.8/100

diff_bpm0l02X_rms vs Slug, Sign Corrected



Right In: 9659.074+/-1.881 χ^2/NDF: 45336.7/23

Left Out: 10917.711+/-1.764 χ^2/NDF:425841.1/24

Right Out: 9709.272+/-1.800 χ^2/NDF: 82098.3/28

Left In: 10895.992+/-1.808 χ^2/NDF:298059.2/22

Left: 10907.115+/-1.263 χ^2/NDF: 723974.2/47

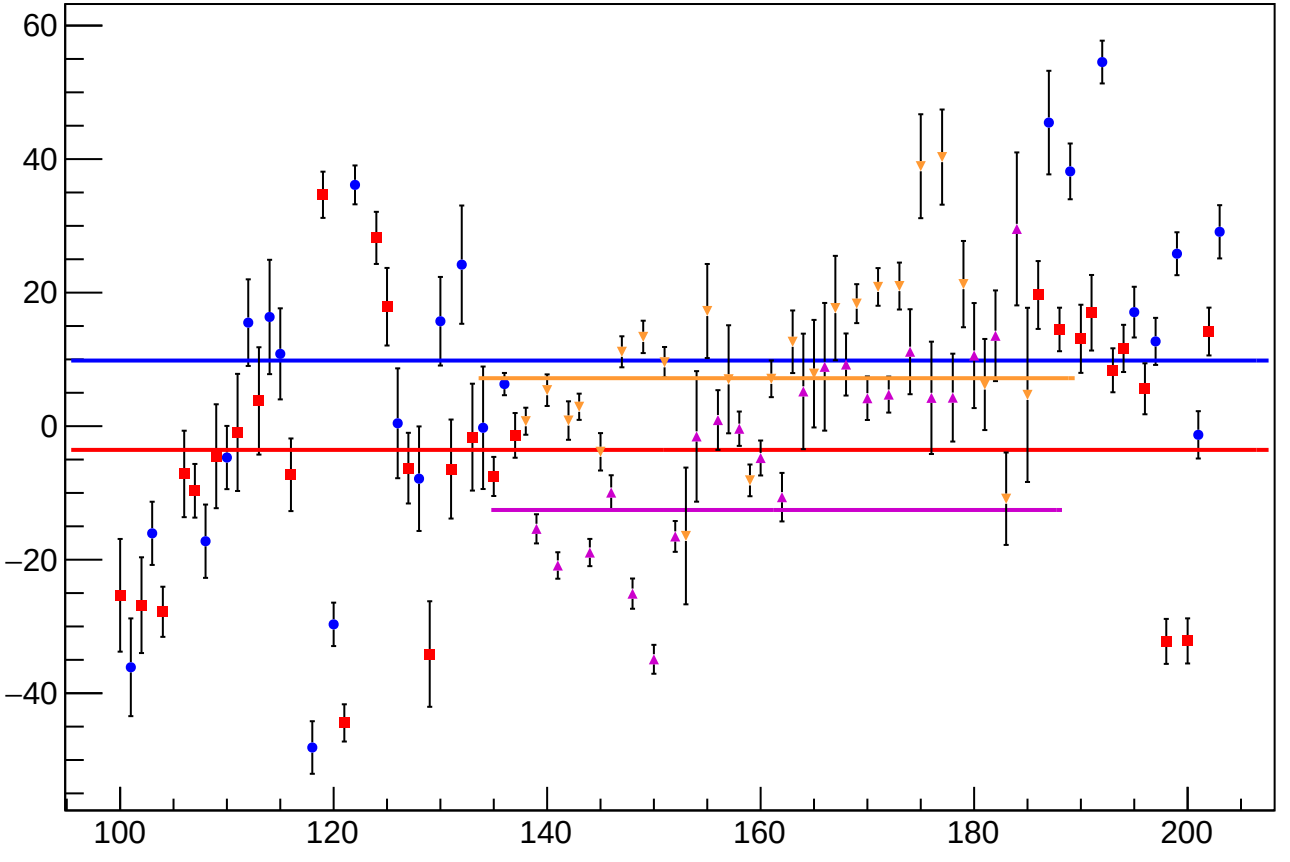
Right: 9685.276+/-1.301 χ^2/NDF: 127806.7/52

In: 10302.130+/-1.303 χ^2/NDF:568183.8/46

Out: 10325.662+/-1.260 χ^2/NDF:737795.7/53

All: 10314.294+/-0.906 χ^2/NDF: 1306148.0/1

diff_bpm0l02Y_mean vs Slug, Sign Corrected



Right In: 9.828+/-0.823 χ^2/NDF: 890.1/23

Left Out: 7.185+/-0.654 χ^2/NDF:201.7/24

Right Out: -3.554+/-0.799 χ^2/NDF: 778.6/28

Left In: -12.553+/-0.661 χ^2/NDF:372.1/22

Left: -2.580+/-0.465 χ^2/NDF: 1025.0/47

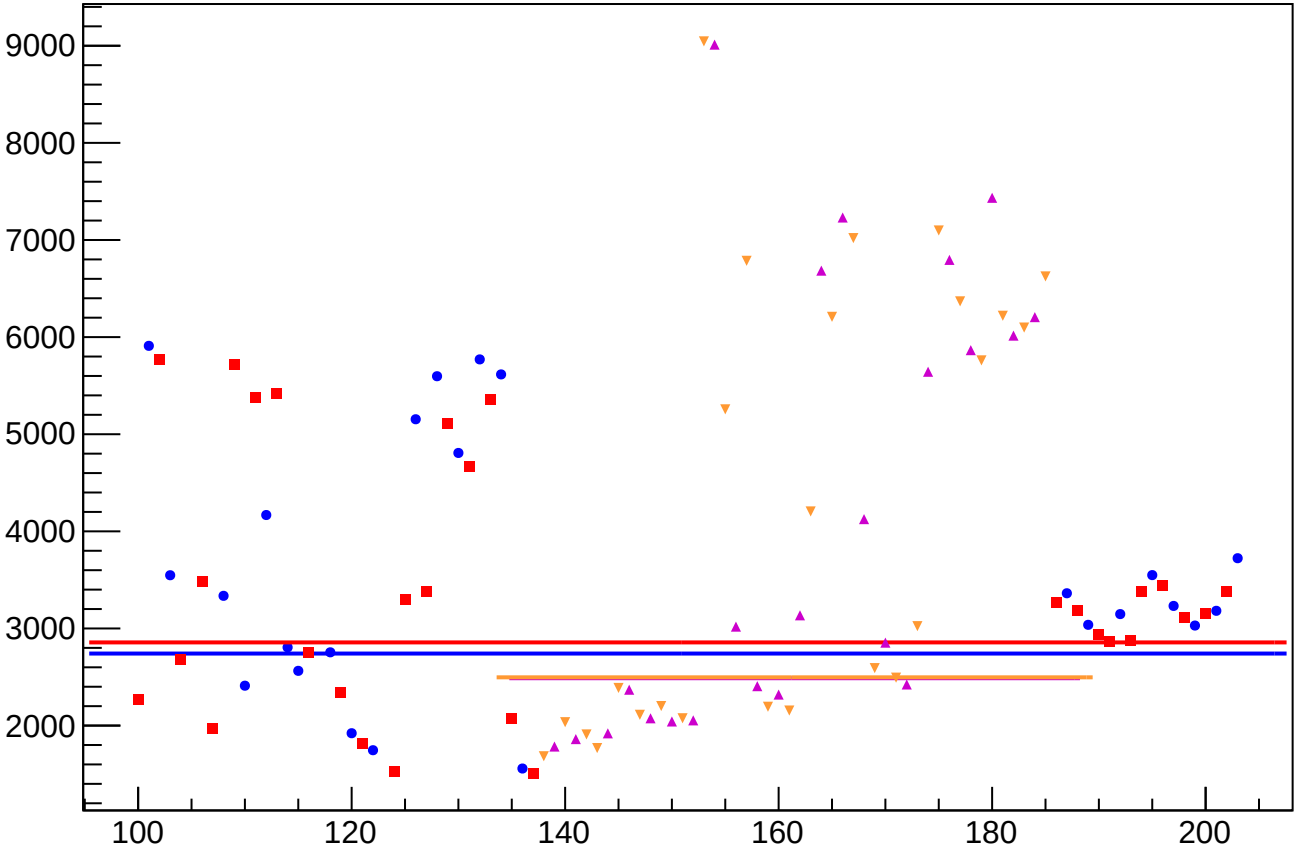
Right: 2.941+/-0.574 χ^2/NDF: 1804.6/52

In: -3.787+/-0.515 χ^2/NDF:1711.8/46

Out: 2.883+/-0.506 χ^2/NDF:1088.4/53

All: -0.392+/-0.361 χ^2/NDF: 2885.6/100

diff_bpm0l02Y_rms vs Slug, Sign Corrected



Right In: 2741.699+/-0.582 χ^2/NDF: 3347661.0/23

Left Out: 2496.801+/-0.462 χ^2/NDF:7205827.8/24

Right Out: 2856.398+/-0.565 χ^2/NDF: 2826657.3/28

Left In: 2487.721+/-0.467 χ^2/NDF:6103466.5/22

Left: 2492.309+/-0.329 χ^2/NDF: 13309485.2/47

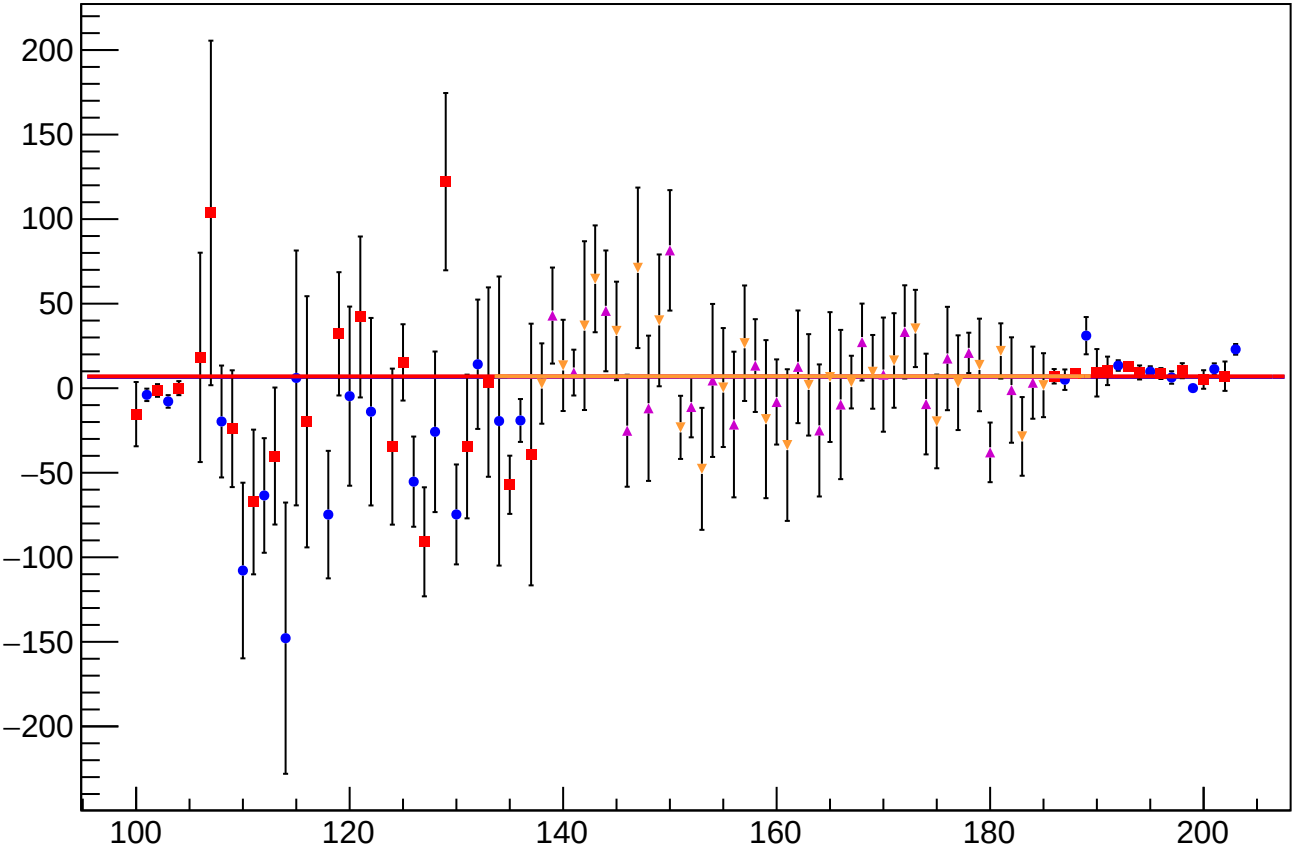
Right: 2800.730+/-0.406 χ^2/NDF: 6194299.8/52

In: 2587.191+/-0.364 χ^2/NDF:9566934.9/46

Out: 2640.875+/-0.358 χ^2/NDF:10275020.9/53

All: 2614.515+/-0.255 χ^2/NDF: 19853008.8/1

diff_bpm0l03X_mean vs Slug, Sign Corrected



Right In: 6.671+/-1.138 χ^2/NDF: 103.6/23

Left Out: 7.059+/-5.227 χ^2/NDF:19.6/24

Right Out: 6.996+/-1.185 χ^2/NDF: 52.7/28

Left In: 6.944+/-5.090 χ^2/NDF:21.1/22

Left: 7.000+/-3.647 χ^2/NDF: 40.7/47

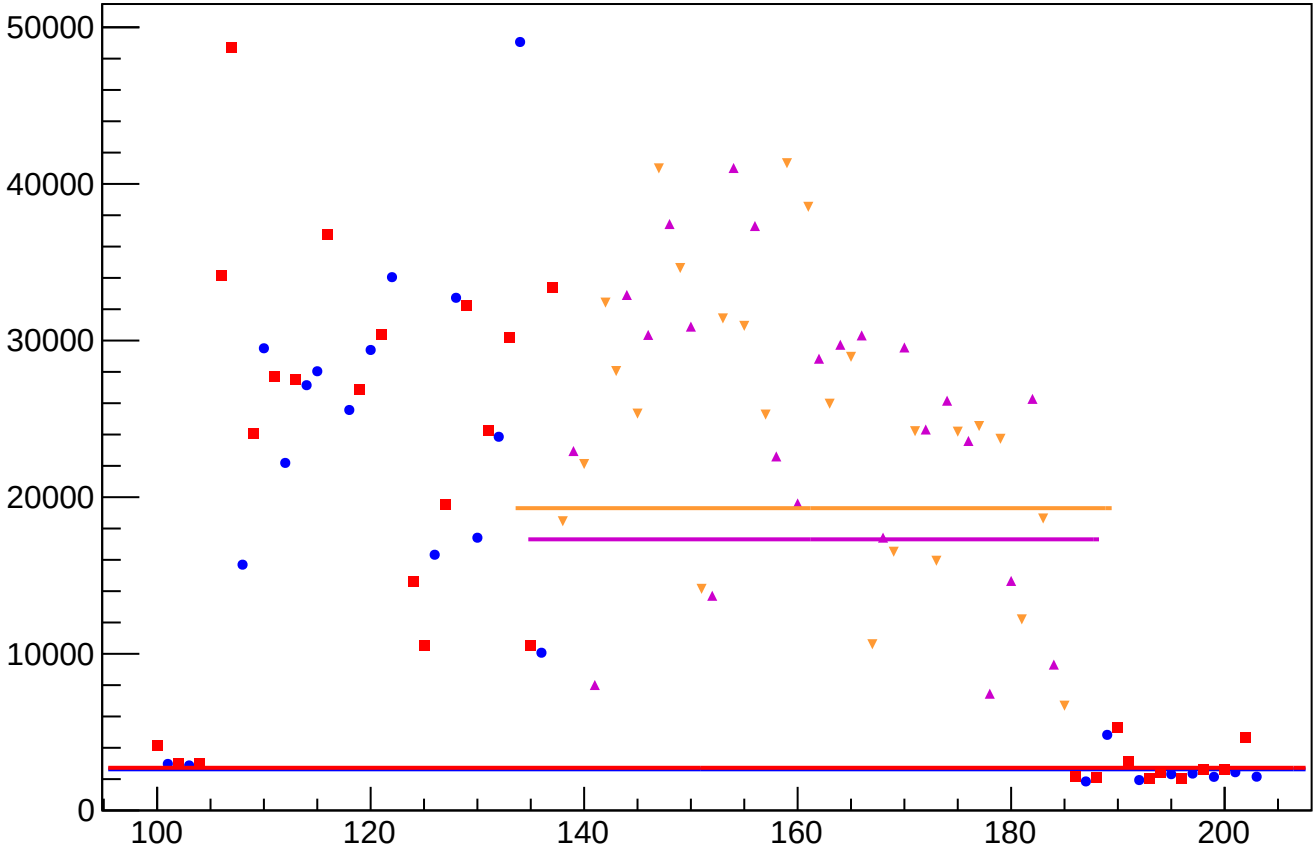
Right: 6.827+/-0.821 χ^2/NDF: 156.3/52

In: 6.684+/-1.110 χ^2/NDF:124.7/46

Out: 6.999+/-1.155 χ^2/NDF:72.2/53

All: 6.835+/-0.801 χ^2/NDF: 197.0/100

diff_bpm0l03X_rms vs Slug, Sign Corrected



Right In: 2626.500+/-0.804 χ^2/NDF: 7919102.0/23

Left Out: 19299.351+/-3.696 χ^2/NDF:5037014.9/24

Right Out: 2723.808+/-0.838 χ^2/NDF: 8900265.0/28

Left In: 17309.081+/-3.600 χ^2/NDF:6719993.9/22

Left: 18277.793+/-2.579 χ^2/NDF: 11905813.9/47

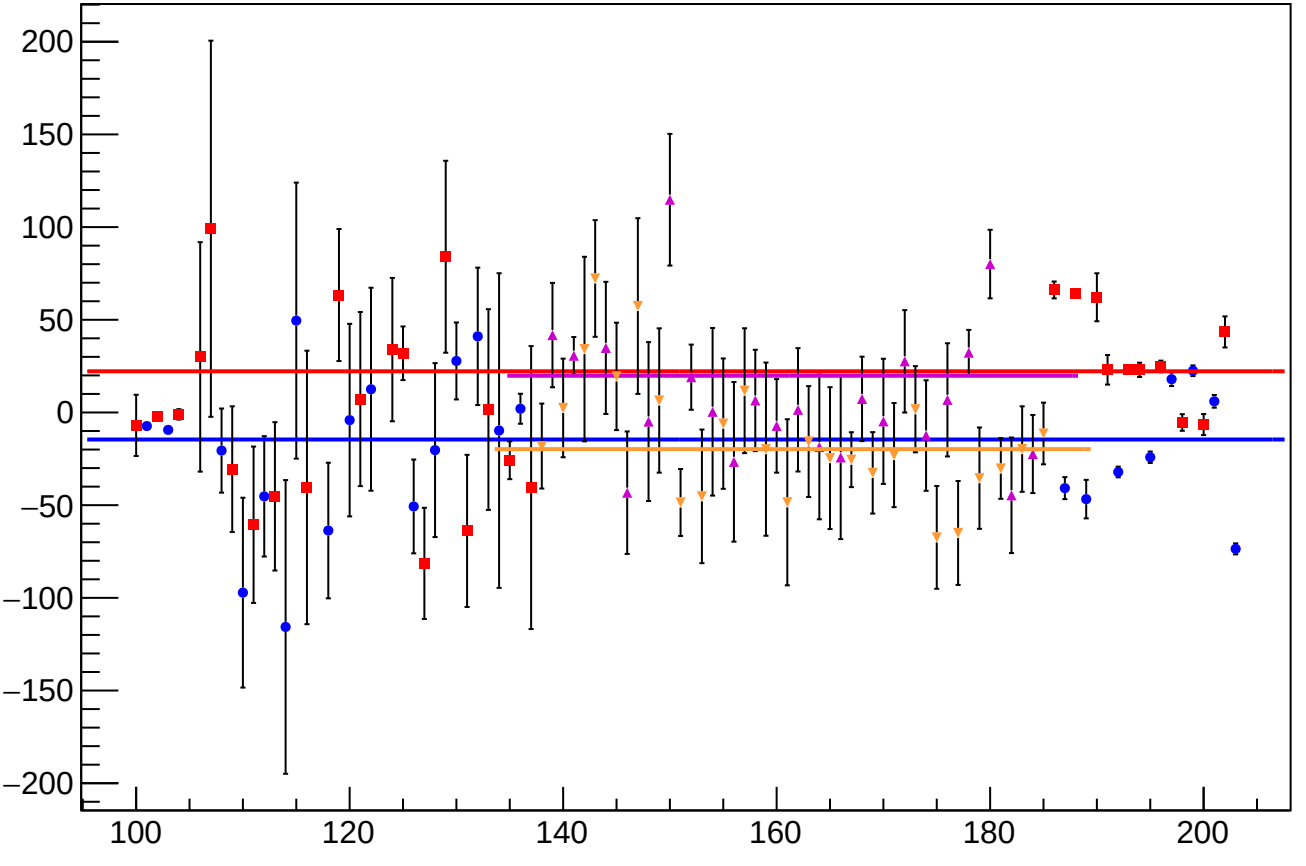
Right: 2673.186+/-0.580 χ^2/NDF: 16826387.3/52

In: 3324.938+/-0.785 χ^2/NDF:30486181.0/46

Out: 3533.450+/-0.817 χ^2/NDF:33063516.3/53

All: 3425.047+/-0.566 χ^2/NDF: 63583564.9/

diff_bpm0l03Y_mean vs Slug, Sign Corrected



Right In: -14.581+/-1.003 χ^2/NDF: 779.3/23

Left Out: -19.769+/-5.117 χ^2/NDF:27.8/24

Right Out: 22.215+/-1.038 χ^2/NDF: 659.9/28

Left In: 19.822+/-4.846 χ^2/NDF:40.3/22

Left: 1.103+/-3.518 χ^2/NDF: 99.6/47

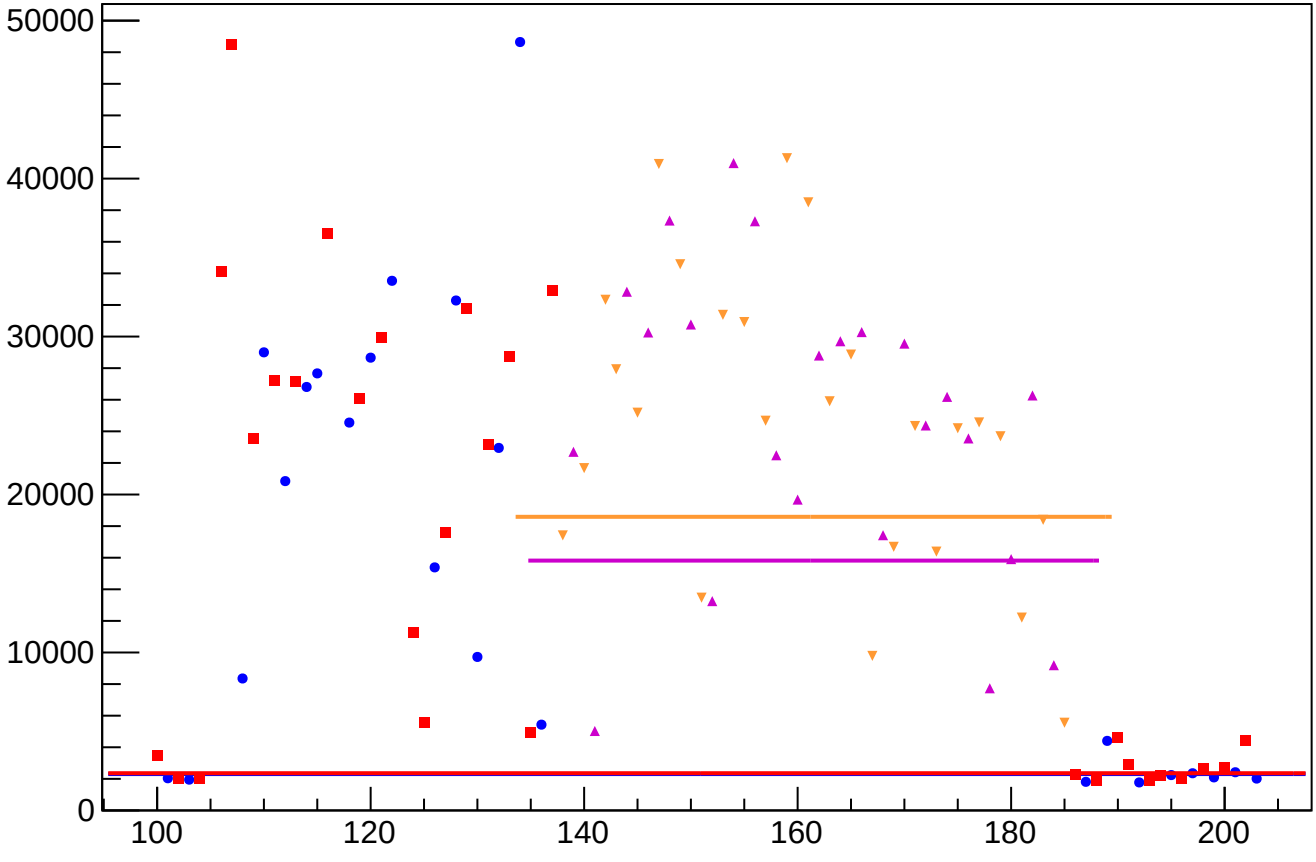
Right: 3.177+/-0.721 χ^2/NDF: 2089.2/52

In: -13.168+/-0.982 χ^2/NDF:867.9/46

Out: 20.555+/-1.017 χ^2/NDF:752.3/53

All: 3.093+/-0.706 χ^2/NDF: 2189.1/100

diff_bpm0l03Y_rms vs Slug, Sign Corrected



Right In: 2303.622+/-0.709 χ^2/NDF: 7047194.6/23

Left Out: 18589.195+/-3.618 χ^2/NDF:5698567.3/24

Right Out: 2357.931+/-0.734 χ^2/NDF: 8447153.7/28

Left In: 15817.655+/-3.426 χ^2/NDF:8406830.8/22

Left: 17128.048+/-2.488 χ^2/NDF: 14414756.2/47

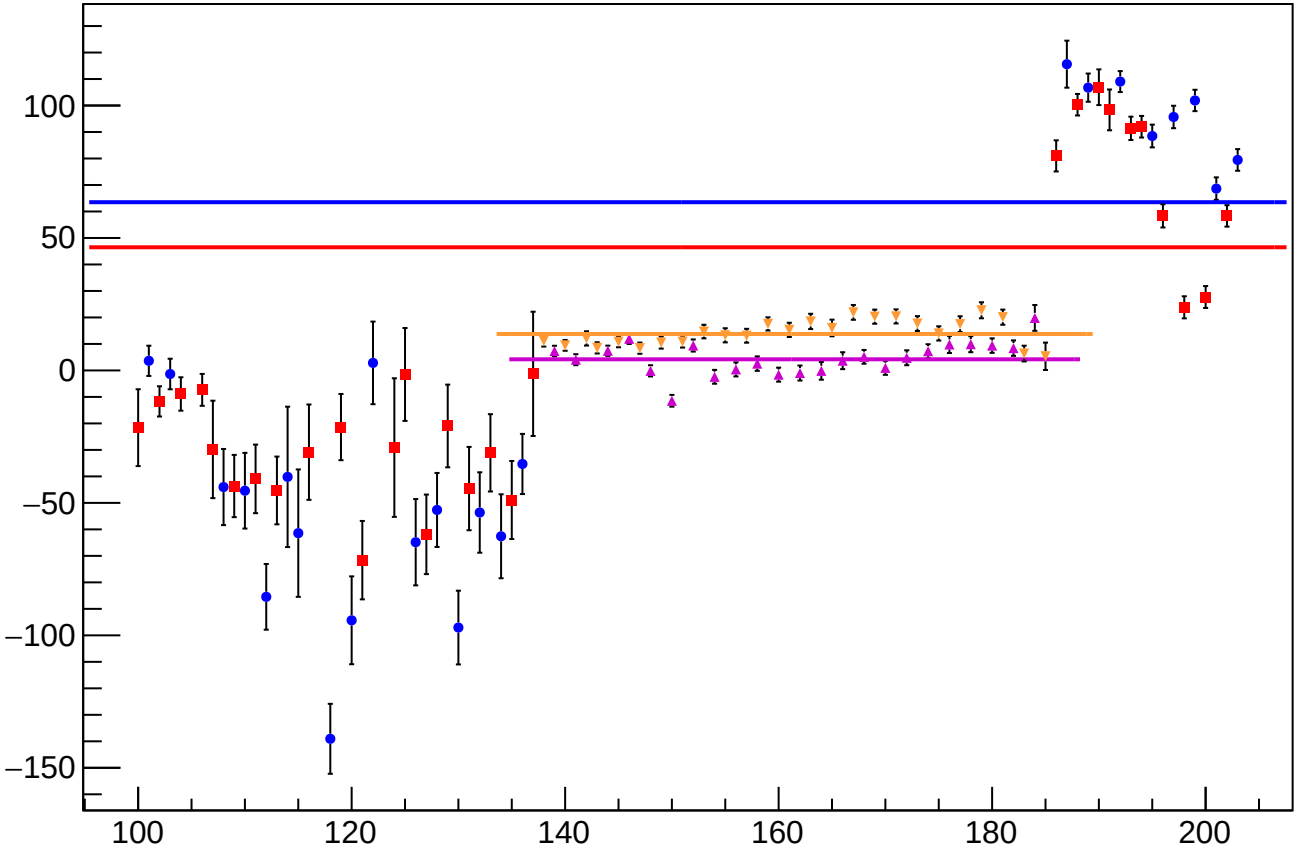
Right: 2329.831+/-0.510 χ^2/NDF: 15497180.4/52

In: 2858.432+/-0.694 χ^2/NDF:30371754.2/46

Out: 2999.676+/-0.719 χ^2/NDF:33475719.9/53

All: 2926.539+/-0.500 χ^2/NDF: 63867433.3/

diff_bpm0l04X_mean vs Slug, Sign Corrected



Right In: 63.505+/-1.383 χ^2/NDF: 1773.1/23

Left Out: 13.761+/-0.514 χ^2/NDF:77.2/24

Right Out: 46.496+/-1.268 χ^2/NDF: 1392.0/28

Left In: 4.202+/-0.530 χ^2/NDF:123.9/22

Left: 9.129+/-0.369 χ^2/NDF: 368.8/47

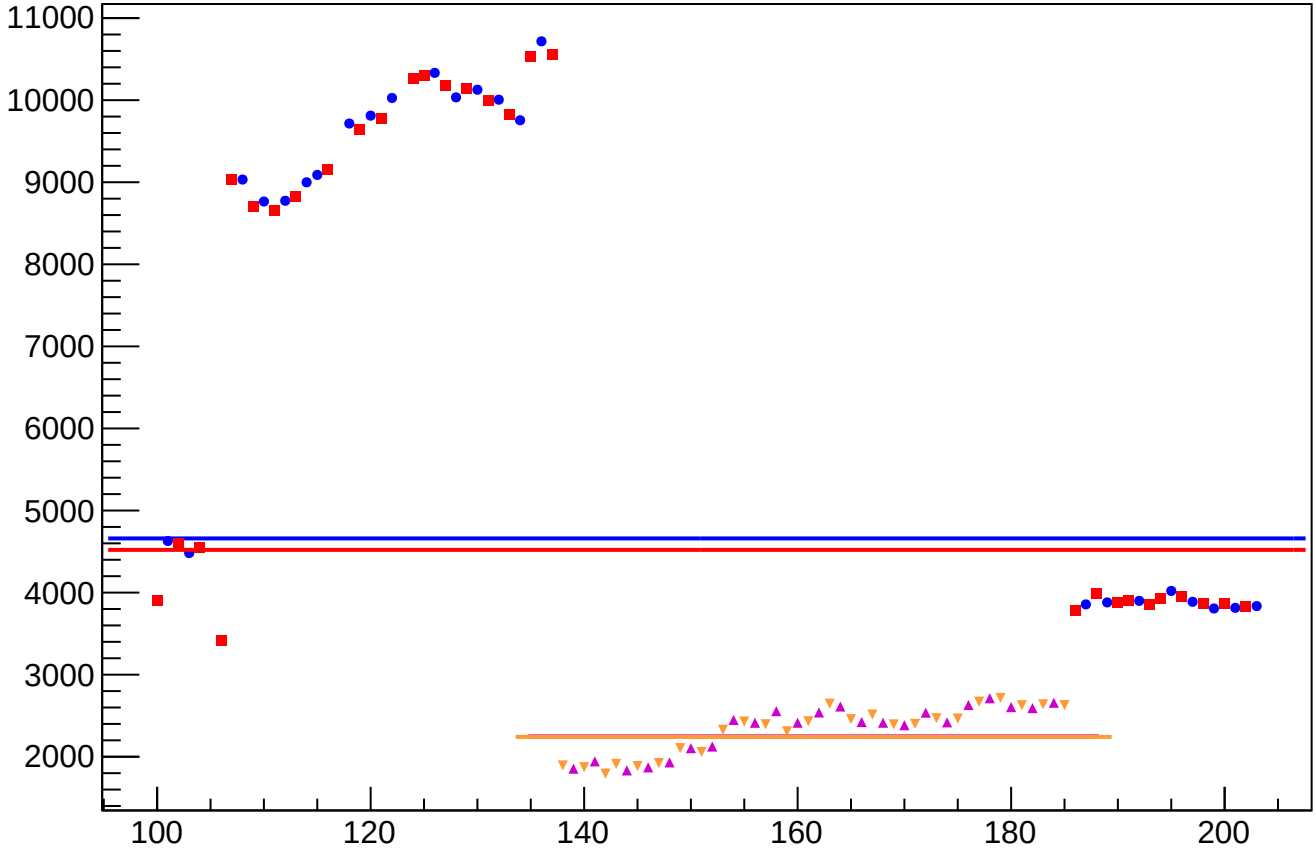
Right: 54.262+/-0.935 χ^2/NDF: 3247.3/52

In: 11.796+/-0.495 χ^2/NDF:3499.9/46

Out: 18.382+/-0.476 χ^2/NDF:2041.9/53

All: 15.216+/-0.343 χ^2/NDF: 5633.6/100

diff_bpm0l04X_rms vs Slug, Sign Corrected



Right In: 4660.089+/-0.978 χ^2/NDF: 3782532.0/23

Left Out: 2242.334+/-0.363 χ^2/NDF:657865.5/24

Right Out: 4520.636+/-0.896 χ^2/NDF: 3803371.4/28

Left In: 2248.582+/-0.375 χ^2/NDF:642255.3/22

Left: 2245.362+/-0.261 χ^2/NDF: 1300264.0/47

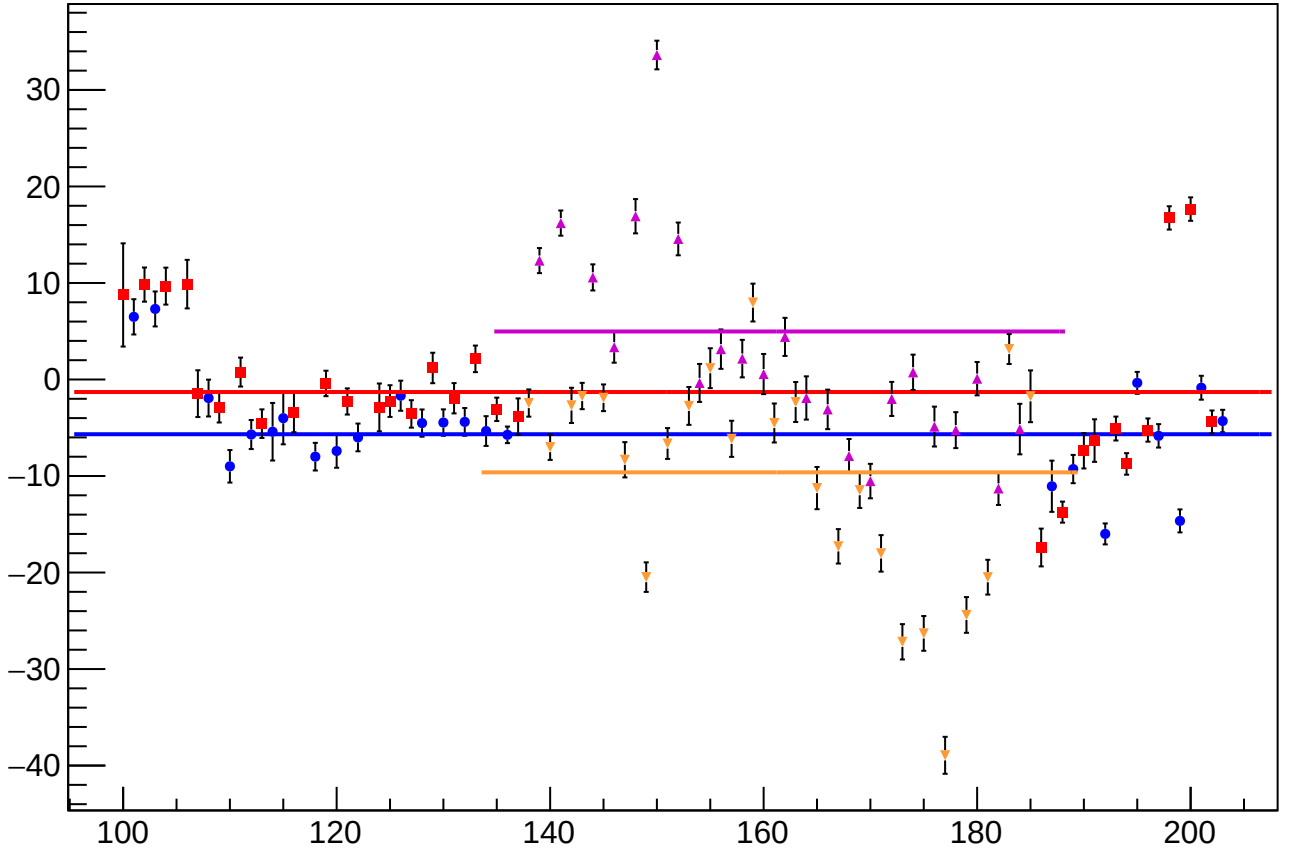
Right: 4584.303+/-0.661 χ^2/NDF: 7596951.6/52

In: 2557.388+/-0.350 χ^2/NDF:9725617.8/46

Out: 2563.975+/-0.337 χ^2/NDF:10008494.3/53

All: 2560.808+/-0.243 χ^2/NDF: 19734296.0/1

diff_bpm0l04Y_mean vs Slug, Sign Corrected



Right In: -5.671+/-0.289 χ^2/NDF: 312.4/23

Left Out: -9.622+/-0.349 χ^2/NDF:934.3/24

Right Out: -1.297+/-0.280 χ^2/NDF: 873.9/28

Left In: 4.974+/-0.365 χ^2/NDF:929.8/22

Left: -2.641+/-0.252 χ^2/NDF: 2700.1/47

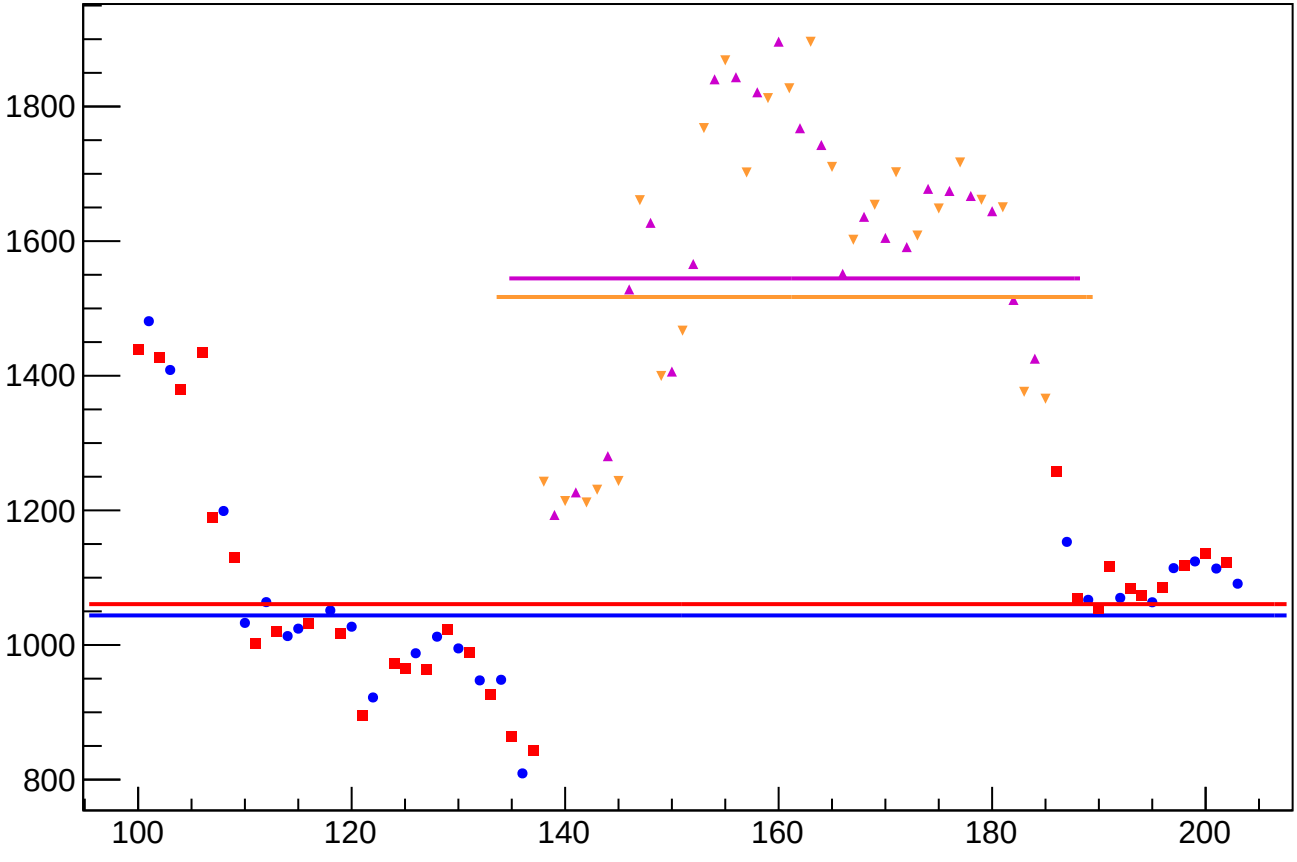
Right: -3.408+/-0.201 χ^2/NDF: 1304.4/52

In: -1.557+/-0.227 χ^2/NDF:1765.1/46

Out: -4.549+/-0.218 χ^2/NDF:2154.7/53

All: -3.110+/-0.157 χ^2/NDF: 4010.2/100

diff_bpm0l04Y_rms vs Slug, Sign Corrected



Right In: 1043.914+/-0.205 χ^2/NDF: 427657.8/23

Left Out: 1517.008+/-0.247 χ^2/NDF:832983.9/24

Right Out: 1060.705+/-0.198 χ^2/NDF: 404606.1/28

Left In: 1544.620+/-0.258 χ^2/NDF:638659.4/22

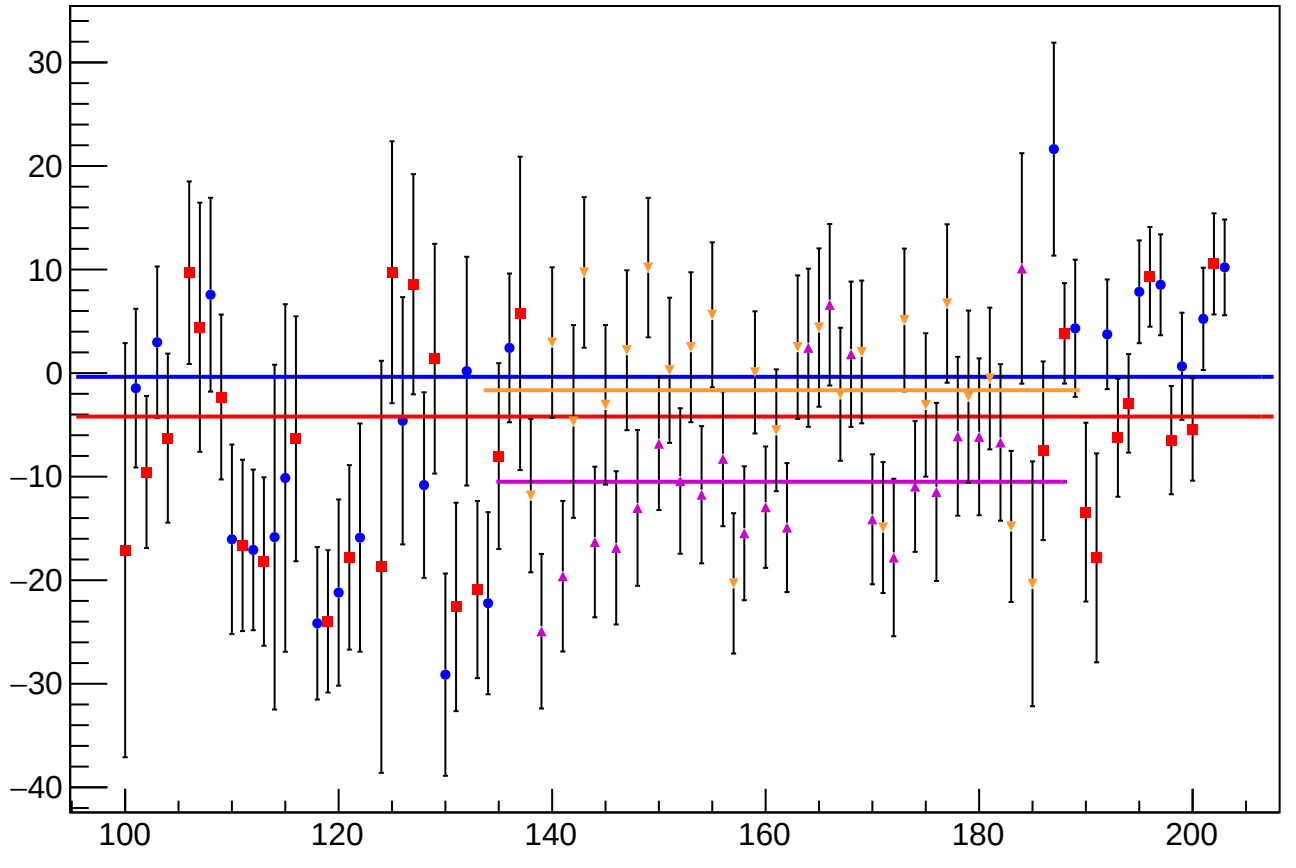
Left: 1530.214+/-0.178 χ^2/NDF: 1477627.5/47

Right: 1052.600+/-0.142 χ^2/NDF: 835747.5/52

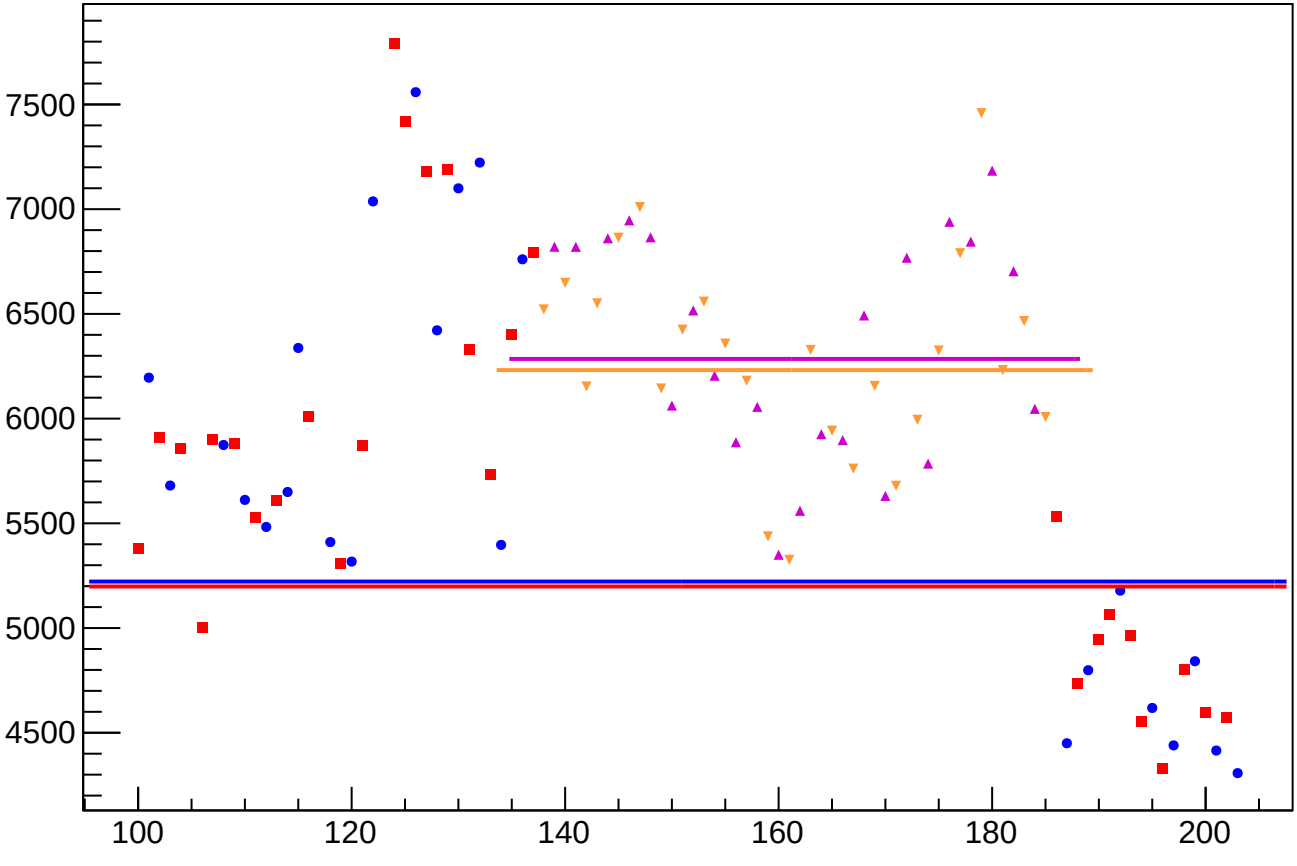
In: 1237.409+/-0.160 χ^2/NDF:3380423.2/46

Out: 1238.962+/-0.154 χ^2/NDF:3319641.9/53

All: 1238.215+/-0.111 χ^2/NDF: 6700113.9/10


diff_bpm0l05X_mean vs Slug, Sign Corrected
30
20
10
0
−10
−20
−30
−40
100
120
140
160
180
200
Right In: -0.360+/-1.461 χ²/NDF: 62.3/23
Left Out: -1.655+/-1.426 χ²/NDF:31.5/24
Right Out: -4.196+/-1.380 χ²/NDF: 54.4/28
Left In: -10.492+/-1.480 χ²/NDF:24.9/22
Left: -5.911+/-1.027 χ²/NDF: 74.9/47
Right: -2.388+/-1.003 χ²/NDF: 120.4/52
In: -5.363+/-1.040 χ²/NDF:111.0/46
Out: -2.968+/-0.992 χ²/NDF:87.5/53
All: -4.109+/-0.718 χ²/NDF: 201.3/100

diff_bpm0l05X_rms vs Slug, Sign Corrected



Right In: 5222.028+/-1.033 χ^2/NDF: 709640.7/23

Left Out: 6231.572+/-1.009 χ^2/NDF:226959.2/24

Right Out: 5198.396+/-0.976 χ^2/NDF: 607878.8/28

Left In: 6285.058+/-1.046 χ^2/NDF:265370.2/22

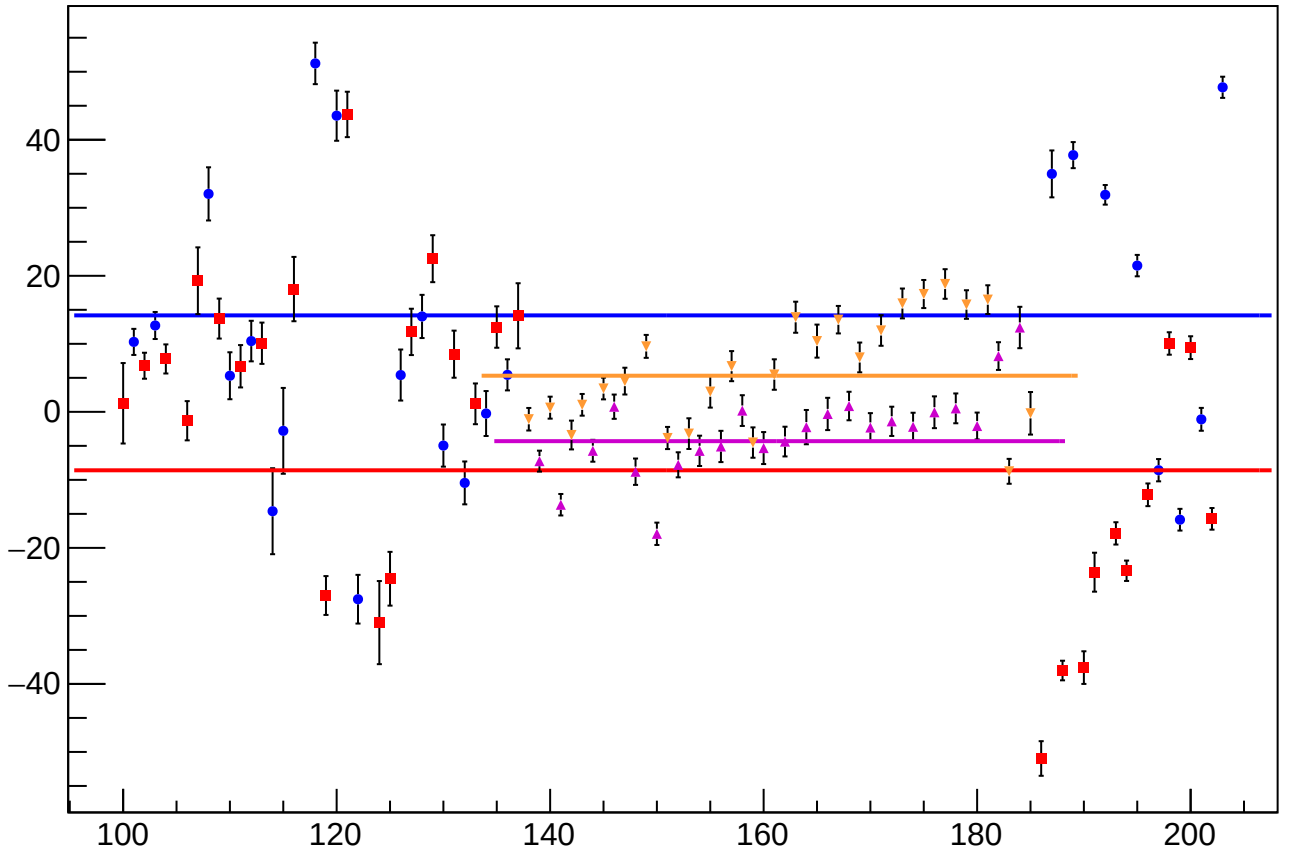
Left: 6257.332+/-0.726 χ^2/NDF: 493684.0/47

Right: 5209.535+/-0.709 χ^2/NDF: 1317796.0/52

In: 5746.903+/-0.735 χ^2/NDF:1497553.1/46

Out: 5697.915+/-0.701 χ^2/NDF:1376900.7/53

All: 5721.251+/-0.507 χ^2/NDF: 2876778.5/10



Right In: 14.181+/-0.470 χ^2/NDF: 2000.5/23

Left Out: 5.313+/-0.400 χ^2/NDF:378.1/24

Right Out: -8.595+/-0.443 χ^2/NDF: 2120.0/28

Left In: -4.310+/-0.420 χ^2/NDF:220.4/22

Left: 0.733+/-0.290 χ^2/NDF: 873.5/47

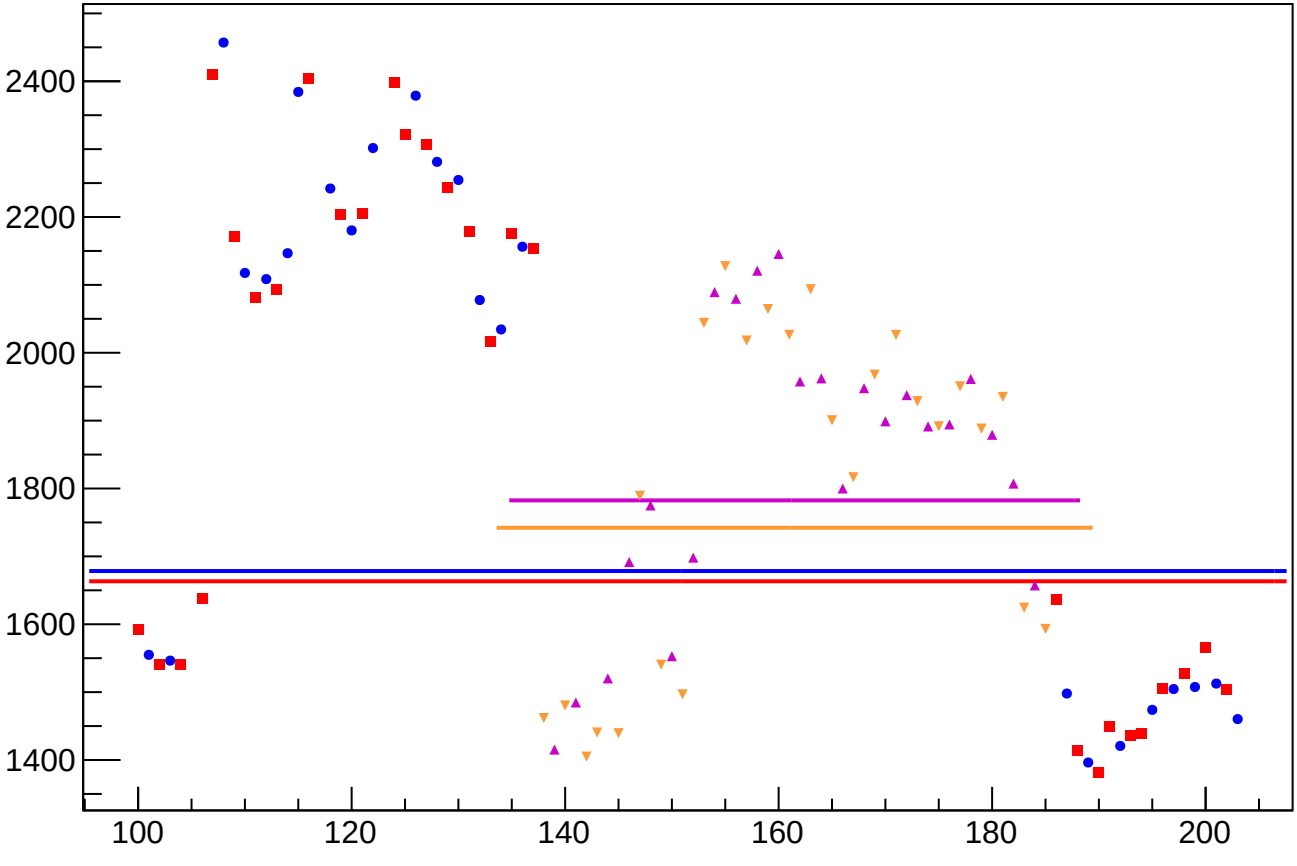
Right: 2.112+/-0.322 χ^2/NDF: 5364.6/52

In: 3.901+/-0.313 χ^2/NDF:3081.2/46

Out: -0.944+/-0.297 χ^2/NDF:3041.0/53

All: 1.349+/-0.215 χ^2/NDF: 6248.2/100

diff_bpm0l05Y_rms vs Slug, Sign Corrected



Right In: 1678.419+/-0.332 χ^2/NDF: 976809.0/23

Left Out: 1742.217+/-0.283 χ^2/NDF:767663.9/24

Right Out: 1663.315+/-0.313 χ^2/NDF: 973547.2/28

Left In: 1782.502+/-0.297 χ^2/NDF:534374.9/22

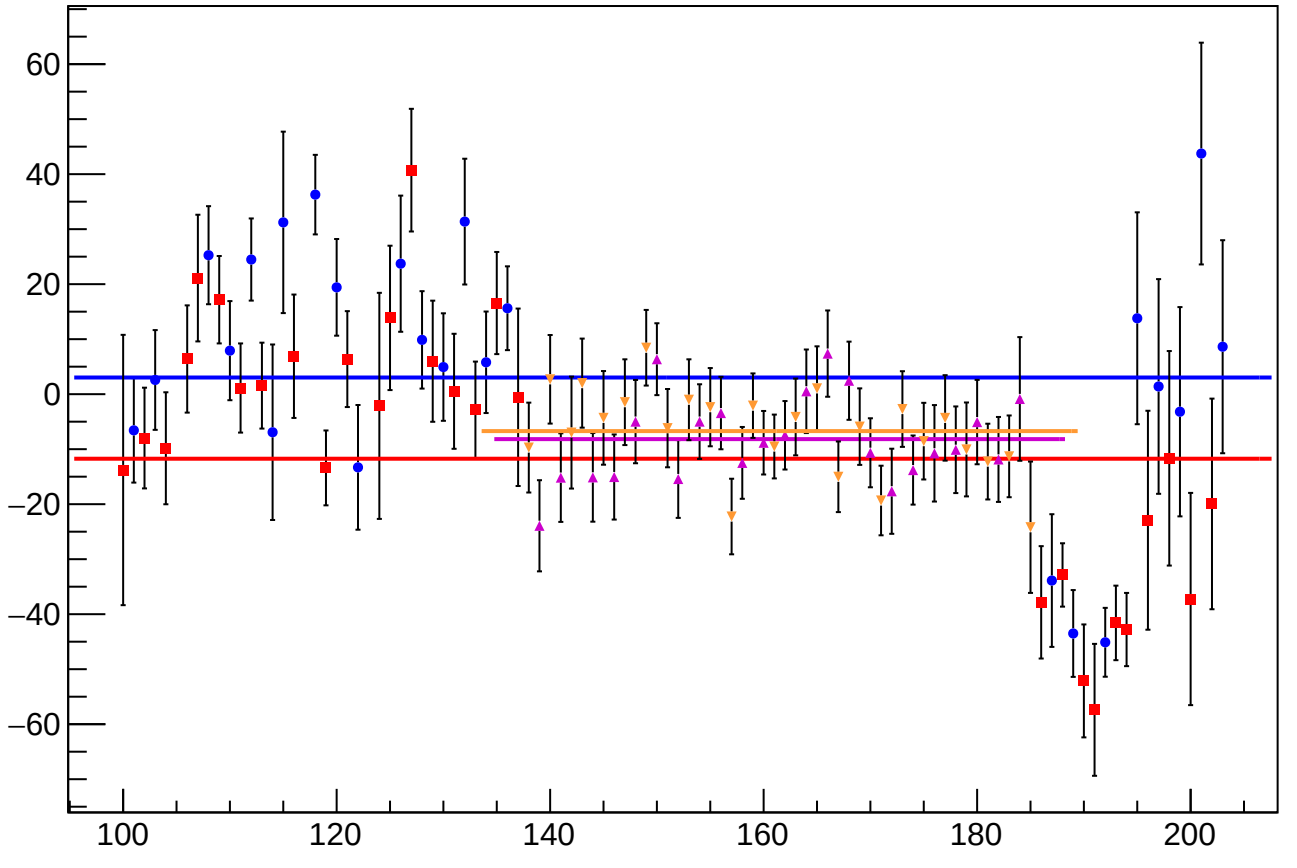
Left: 1761.391+/-0.205 χ^2/NDF: 1311677.3/47

Right: 1670.416+/-0.228 χ^2/NDF: 1951450.6/52

In: 1736.283+/-0.221 χ^2/NDF:1565705.0/46

Out: 1706.722+/-0.210 χ^2/NDF:1776157.7/53

All: 1720.715+/-0.152 χ^2/NDF: 3351244.4/10



Right In: 3.030+/-2.035 χ^2/NDF: 166.0/23

Left Out: -6.713+/-1.458 χ^2/NDF:25.7/24

Right Out: -11.736+/-1.812 χ^2/NDF: 171.9/28

Left In: -8.171+/-1.510 χ^2/NDF:24.2/22

Left: -7.416+/-1.049 χ^2/NDF: 50.3/47

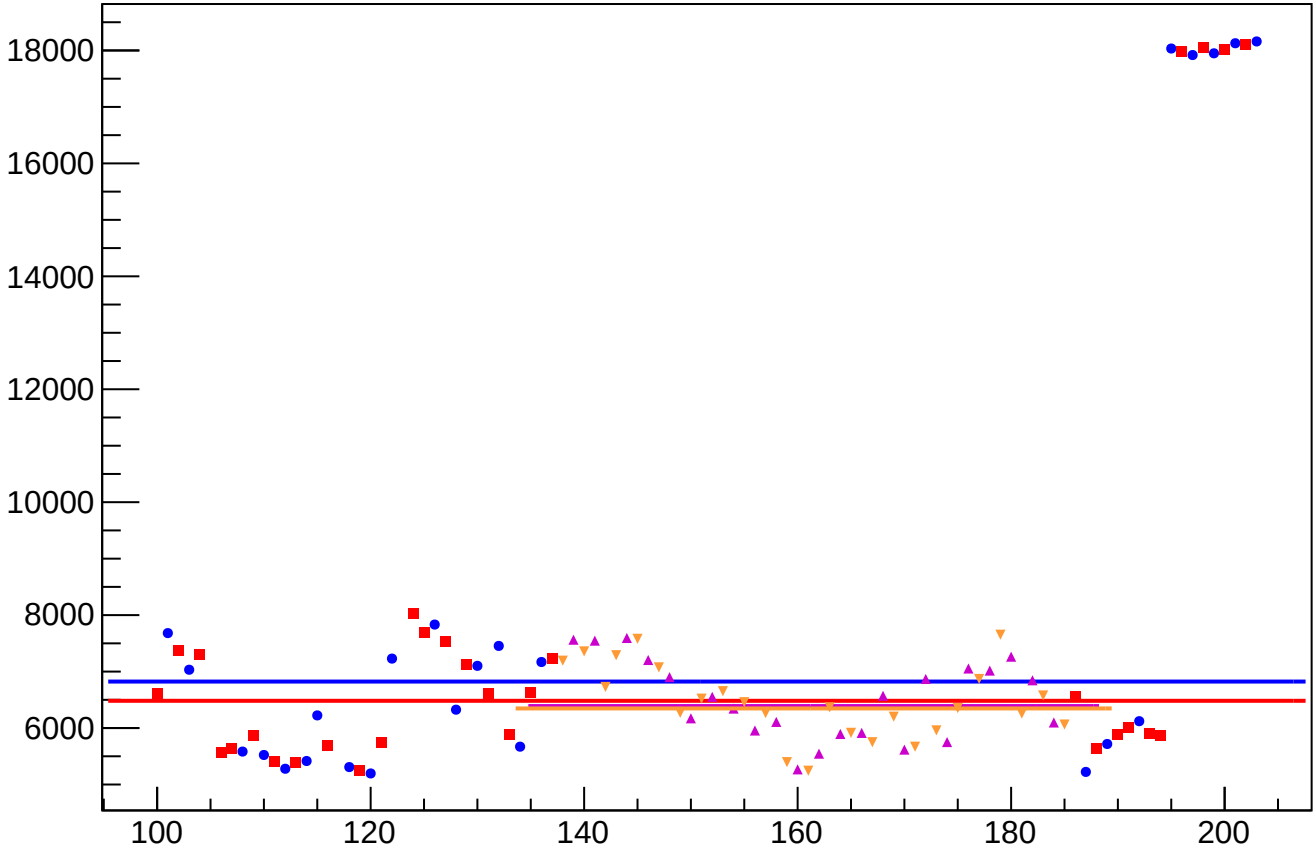
Right: -5.204+/-1.353 χ^2/NDF: 367.3/52

In: -4.193+/-1.213 χ^2/NDF:209.8/46

Out: -8.686+/-1.136 χ^2/NDF:202.2/53

All: -6.586+/-0.829 χ^2/NDF: 419.3/100

diff_bpm0l06X_rms vs Slug, Sign Corrected



Right In: 6823.463+/-1.439 χ^2/NDF: 3845128.6/23

Left Out: 6347.287+/-1.031 χ^2/NDF:386025.6/24

Right Out: 6482.638+/-1.281 χ^2/NDF: 3214110.0/28

Left In: 6389.425+/-1.068 χ^2/NDF:419756.4/22

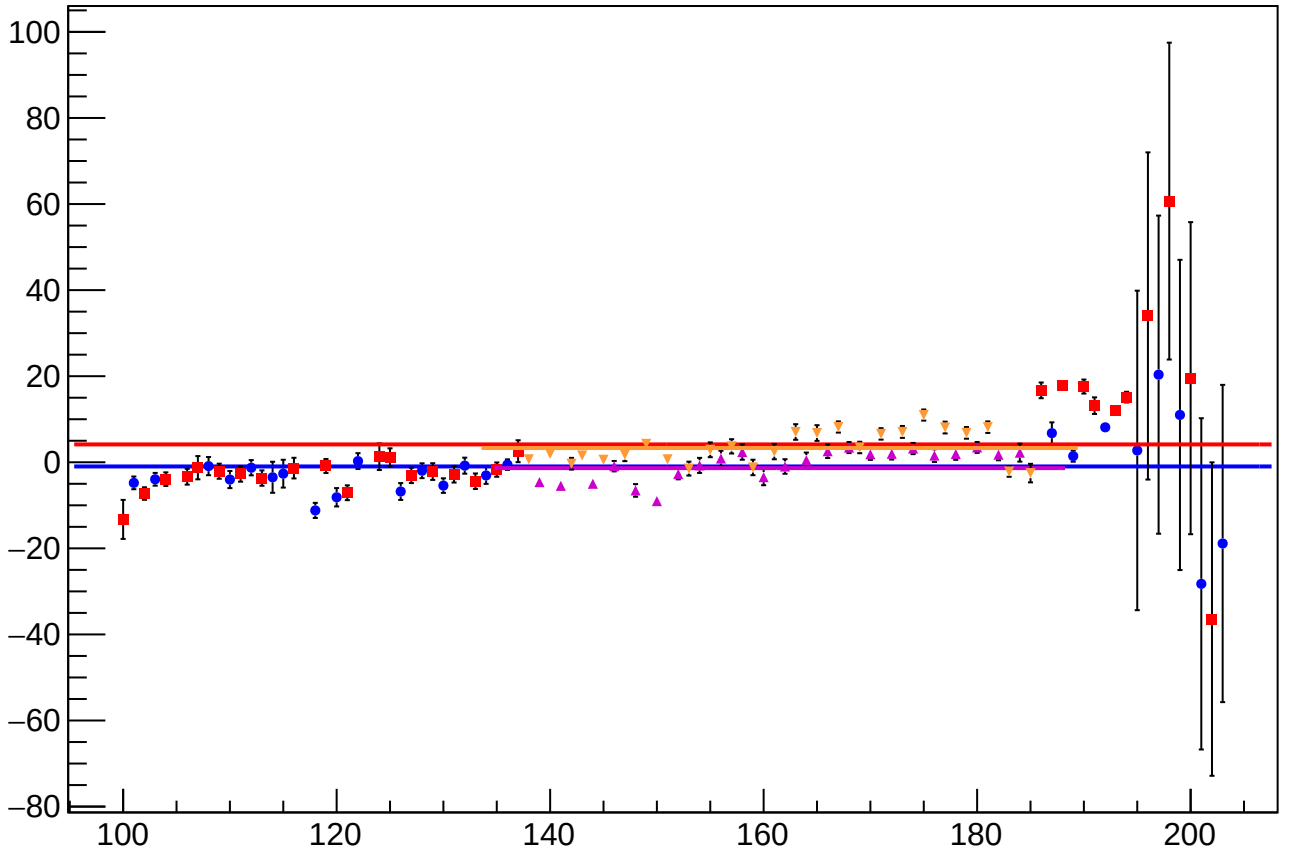
Left: 6367.615+/-0.742 χ^2/NDF: 806588.2/47

Right: 6633.410+/-0.957 χ^2/NDF: 7090533.2/52

In: 6543.577+/-0.857 χ^2/NDF:4323576.1/46

Out: 6400.462+/-0.803 χ^2/NDF:3606909.3/53

All: 6467.352+/-0.586 χ^2/NDF: 7945325.1/10



Right In: -0.970+/-0.386 χ^2/NDF: 180.1/23

Left Out: 3.311+/-0.264 χ^2/NDF:177.9/24

Right Out: 4.151+/-0.342 χ^2/NDF: 748.8/28

Left In: -1.355+/-0.277 χ^2/NDF:196.3/22

Left: 1.083+/-0.191 χ^2/NDF: 522.8/47

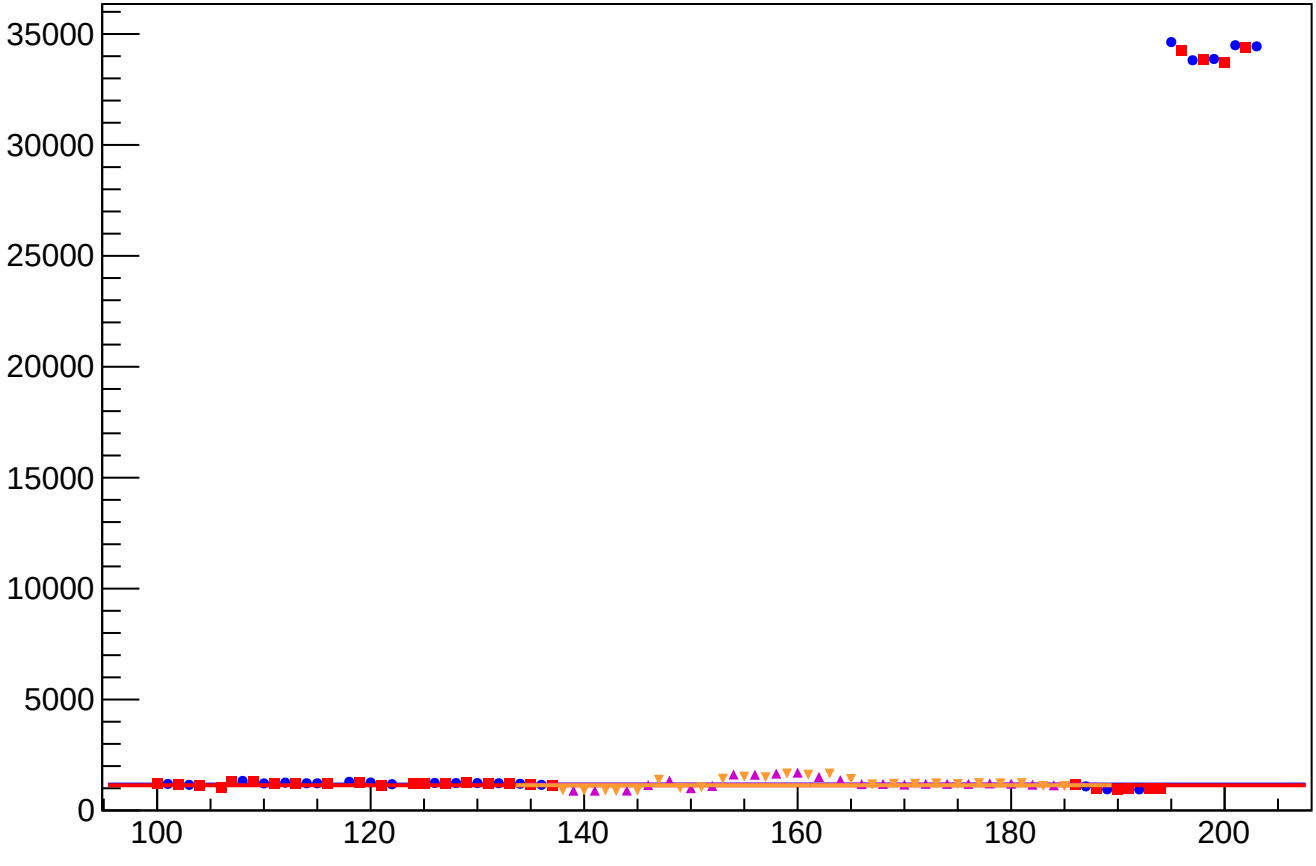
Right: 1.898+/-0.256 χ^2/NDF: 1027.5/52

In: -1.224+/-0.225 χ^2/NDF:377.0/46

Out: 3.625+/-0.209 χ^2/NDF:930.5/53

All: 1.375+/-0.153 χ^2/NDF: 1556.8/100

diff_bpm0l06Y_rms vs Slug, Sign Corrected



Right In: 1165.669+/-0.273 χ^2/NDF: 8169492.0/23

Left Out: 1137.150+/-0.187 χ^2/NDF:1469686.1/24

Right Out: 1134.582+/-0.242 χ^2/NDF: 6601610.5/28

Left In: 1159.432+/-0.196 χ^2/NDF:1259793.6/22

Left: 1147.788+/-0.135 χ^2/NDF: 2736258.7/47

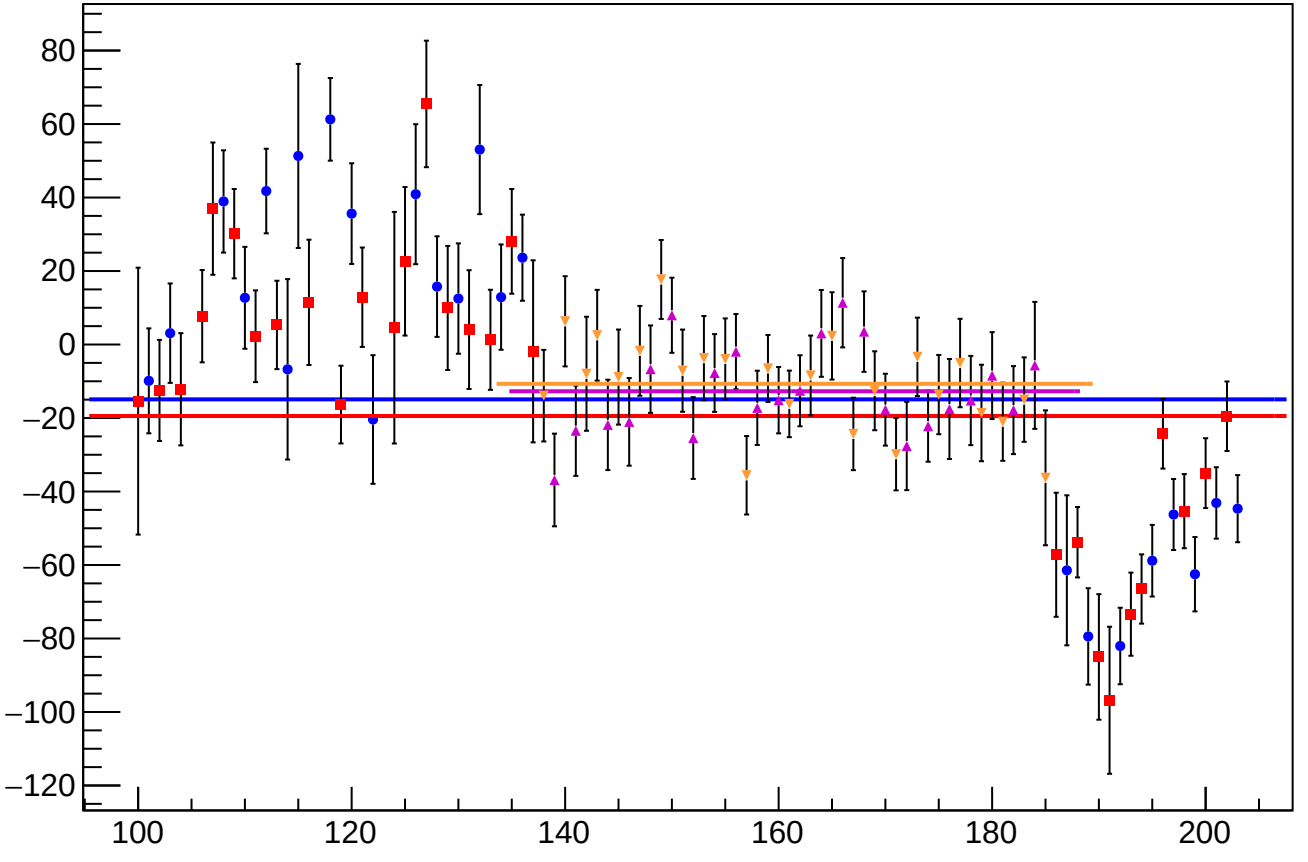
Right: 1148.257+/-0.181 χ^2/NDF: 14778369.4/52

In: 1161.549+/-0.159 χ^2/NDF:9429630.5/46

Out: 1136.190+/-0.148 χ^2/NDF:8071367.2/53

All: 1147.956+/-0.108 χ^2/NDF: 17514632.5/1

diff_bpm0l07X_mean vs Slug, Sign Corrected



Right In: -14.925+/-2.608 χ^2/NDF: 301.2/23

Left Out: -10.696+/-2.257 χ^2/NDF:28.7/24

Right Out: -19.453+/-2.451 χ^2/NDF: 201.1/28

Left In: -12.719+/-2.341 χ^2/NDF:24.0/22

Left: -11.671+/-1.625 χ^2/NDF: 53.1/47

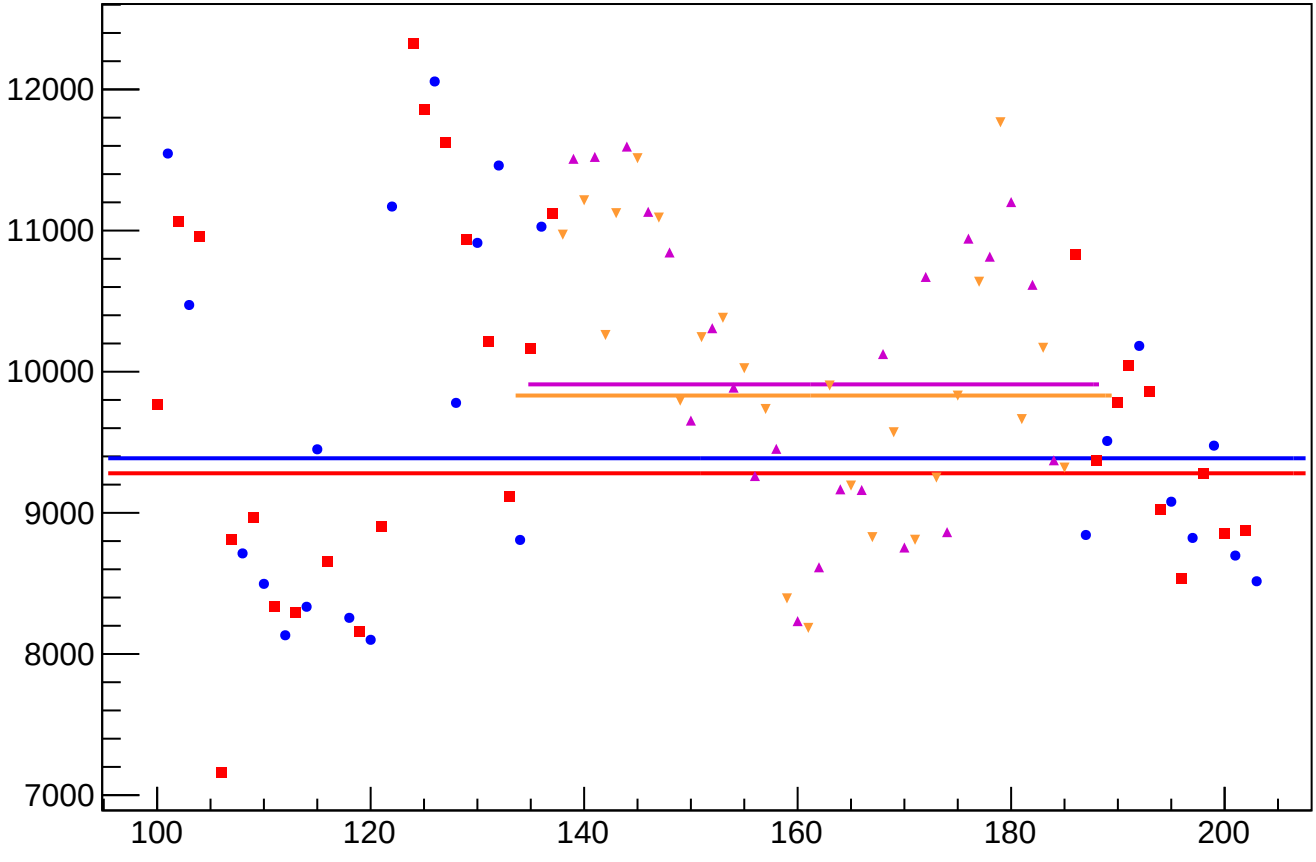
Right: -17.329+/-1.786 χ^2/NDF: 504.0/52

In: -13.703+/-1.742 χ^2/NDF:325.7/46

Out: -14.715+/-1.660 χ^2/NDF:236.7/53

All: -14.233+/-1.202 χ^2/NDF: 562.6/100

diff_bpm0l07X_rms vs Slug, Sign Corrected



Right In: 9386.761+/-1.844 χ^2/NDF: 340091.0/23

Left Out: 9831.301+/-1.596 χ^2/NDF:356125.1/24

Right Out: 9280.357+/-1.733 χ^2/NDF: 351202.1/28

Left In: 9910.300+/-1.655 χ^2/NDF:389368.1/22

Left: 9869.364+/-1.149 χ^2/NDF: 746673.5/47

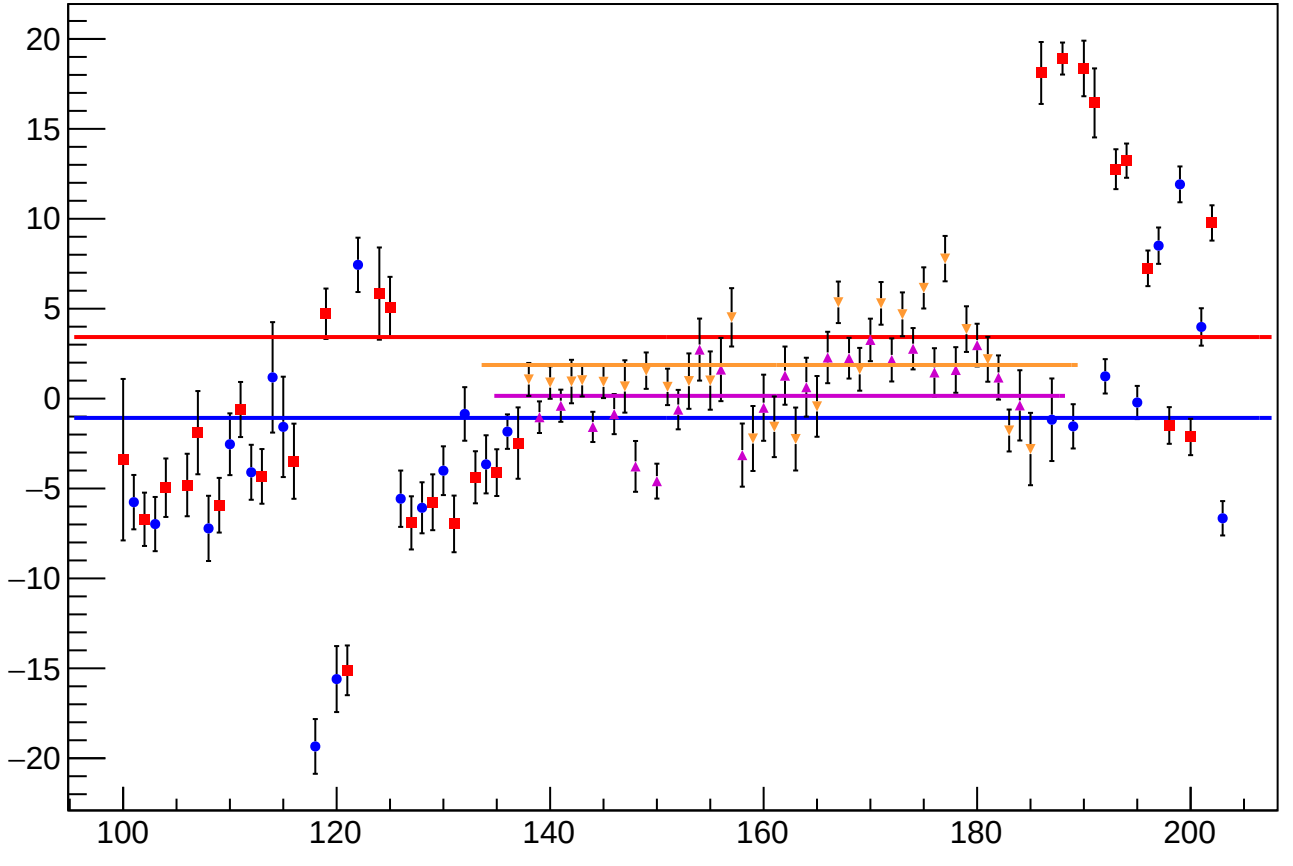
Right: 9330.259+/-1.263 χ^2/NDF: 693060.4/52

In: 9676.745+/-1.232 χ^2/NDF:774087.7/46

Out: 9578.498+/-1.174 χ^2/NDF:761999.1/53

All: 9625.265+/-0.850 χ^2/NDF: 1539419.7/10

diff_bpm0l07Y_mean vs Slug, Sign Corrected



Right In: -1.075+/-0.269 χ^2/NDF: 632.9/23

Left Out: 1.869+/-0.243 χ^2/NDF:103.2/24

Right Out: 3.422+/-0.256 χ^2/NDF: 1368.2/28

Left In: 0.152+/-0.254 χ^2/NDF:75.7/22

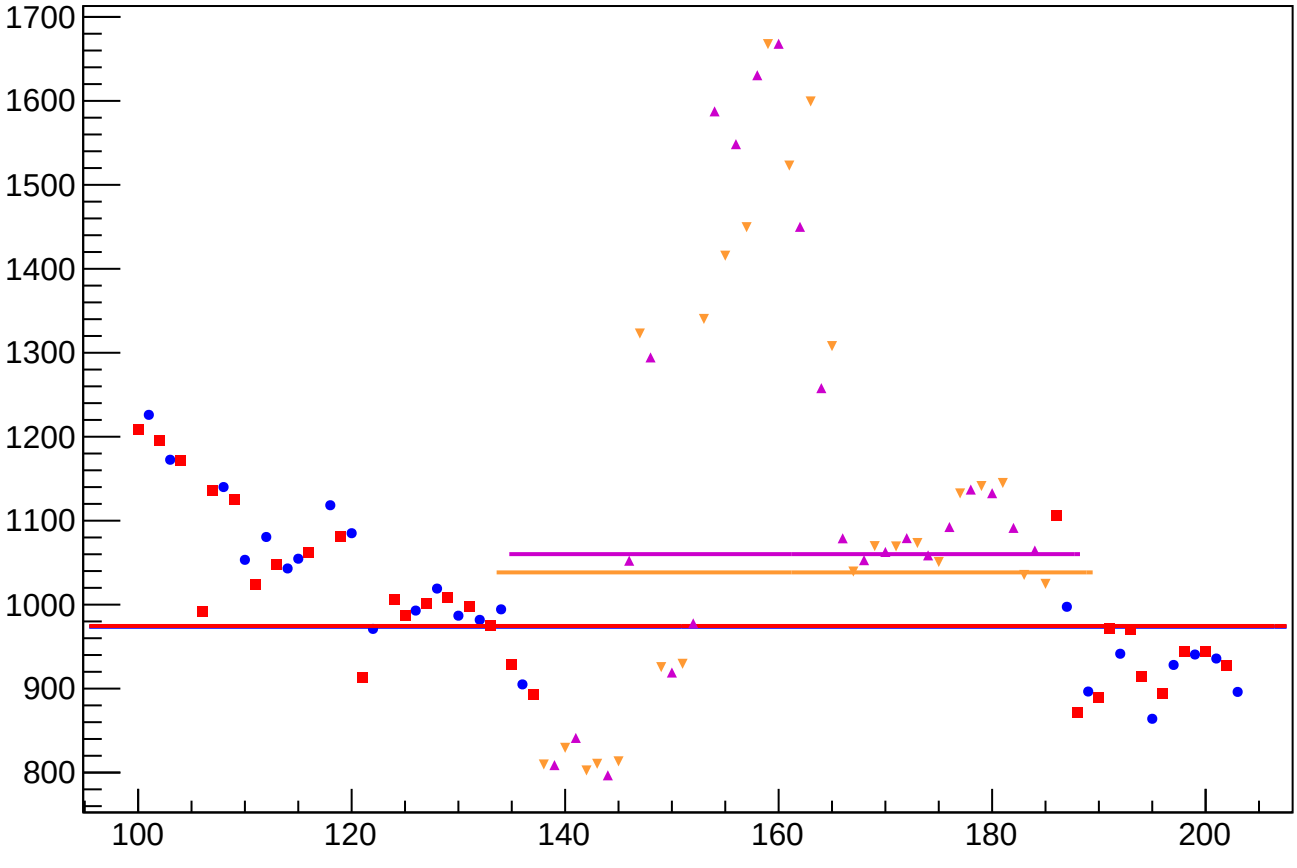
Left: 1.051+/-0.176 χ^2/NDF: 202.7/47

Right: 1.284+/-0.185 χ^2/NDF: 2147.9/52

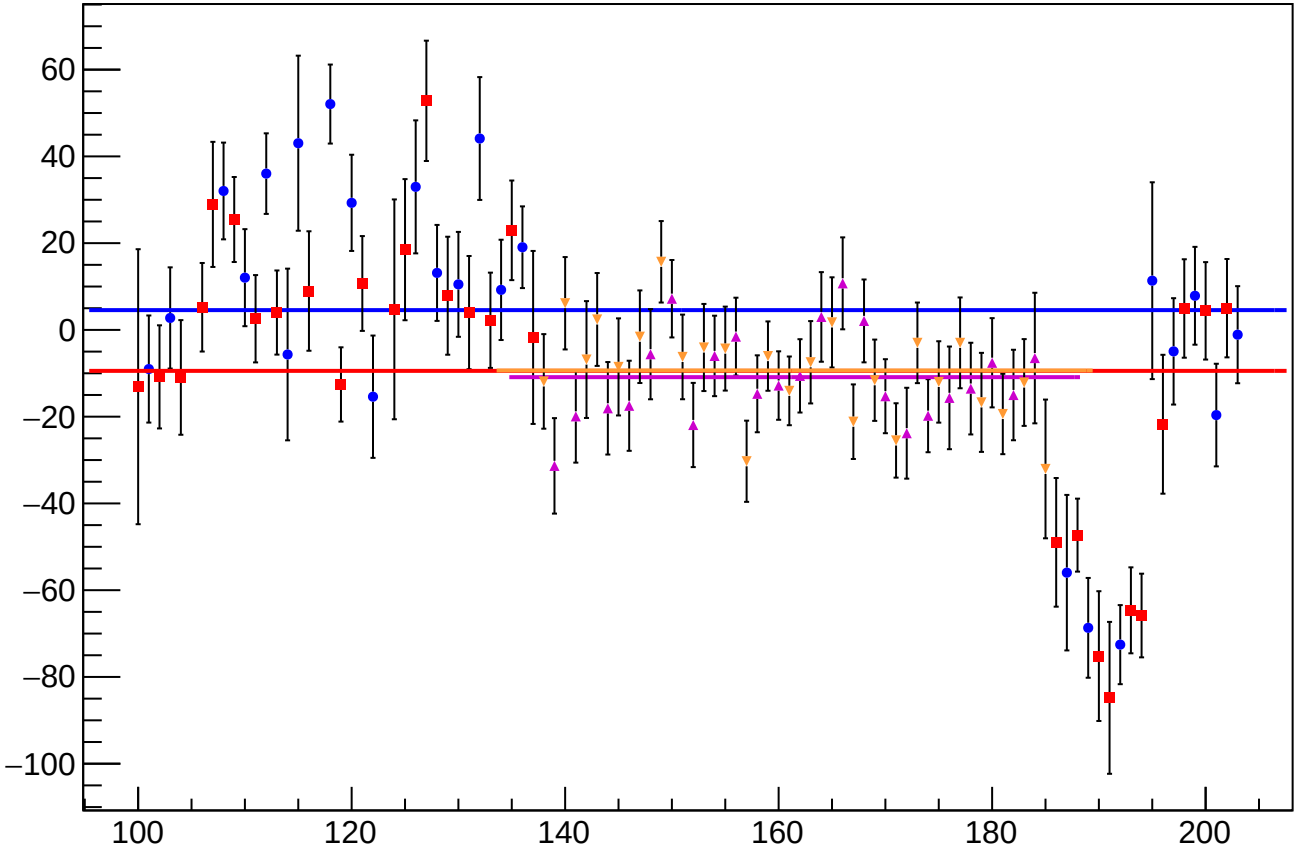
In: -0.428+/-0.185 χ^2/NDF:719.5/46

Out: 2.604+/-0.176 χ^2/NDF:1490.8/53

All: 1.161+/-0.127 χ^2/NDF: 2351.4/100


diff_bpm0l07Y_rms vs Slug, Sign Corrected
1700
1600
1500
1400
1300
1200
1100
1000
900
800
100
120
140
160
180
200
Right In: 973.662+/-0.190 χ²/NDF: 223503.5/23
Left Out: 1038.406+/-0.172 χ²/NDF:1706682.8/24
Right Out: 974.586+/-0.181 χ²/NDF: 216578.9/28
Left In: 1060.162+/-0.180 χ²/NDF:1523219.9/22
Left: 1048.767+/-0.124 χ²/NDF: 3237559.4/47
Right: 974.146+/-0.131 χ²/NDF: 440094.9/52
In: 1019.271+/-0.131 χ²/NDF:1855957.6/46
Out: 1008.199+/-0.125 χ²/NDF:1988745.1/53
All: 1013.469+/-0.090 χ²/NDF: 3848465.4/10

diff_bpm0l08X_mean vs Slug, Sign Corrected



Right In: 4.562+/-2.432 χ^2/NDF: 200.7/23

Left Out: -9.355+/-1.969 χ^2/NDF:28.5/24

Right Out: -9.442+/-2.229 χ^2/NDF: 201.7/28

Left In: -10.892+/-2.043 χ^2/NDF:23.6/22

Left: -10.095+/-1.418 χ^2/NDF: 52.4/47

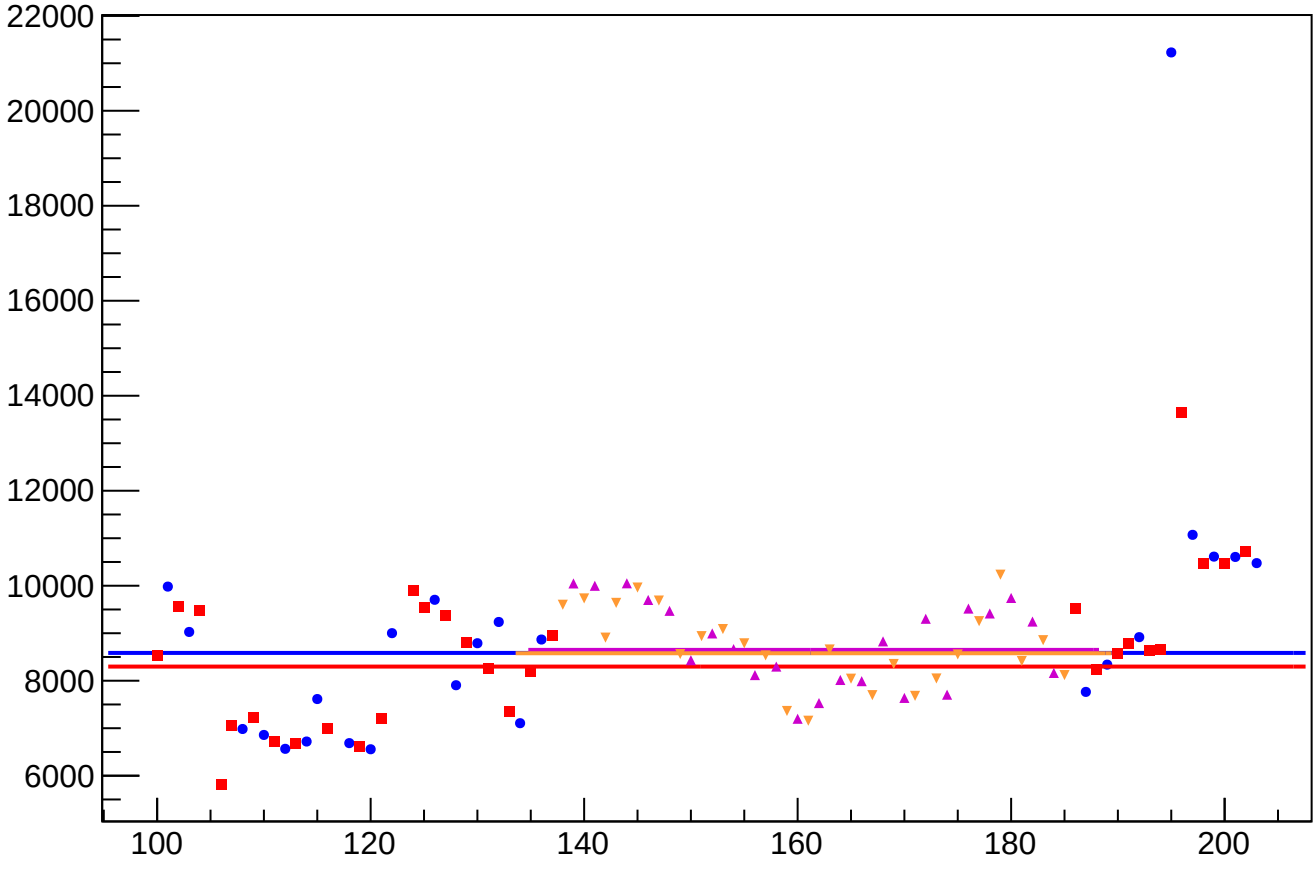
Right: -3.050+/-1.643 χ^2/NDF: 420.3/52

In: -4.500+/-1.564 χ^2/NDF:247.9/46

Out: -9.393+/-1.476 χ^2/NDF:230.2/53

All: -7.089+/-1.073 χ^2/NDF: 483.2/100

diff_bpm0l08X_rms vs Slug, Sign Corrected



Right In: 8585.384+/-1.720 χ^2/NDF: 1338689.9/23

Left Out: 8578.396+/-1.392 χ^2/NDF:343721.1/24

Right Out: 8297.872+/-1.576 χ^2/NDF: 950277.1/28

Left In: 8649.232+/-1.444 χ^2/NDF:377932.0/22

Left: 8612.520+/-1.002 χ^2/NDF: 722899.8/47

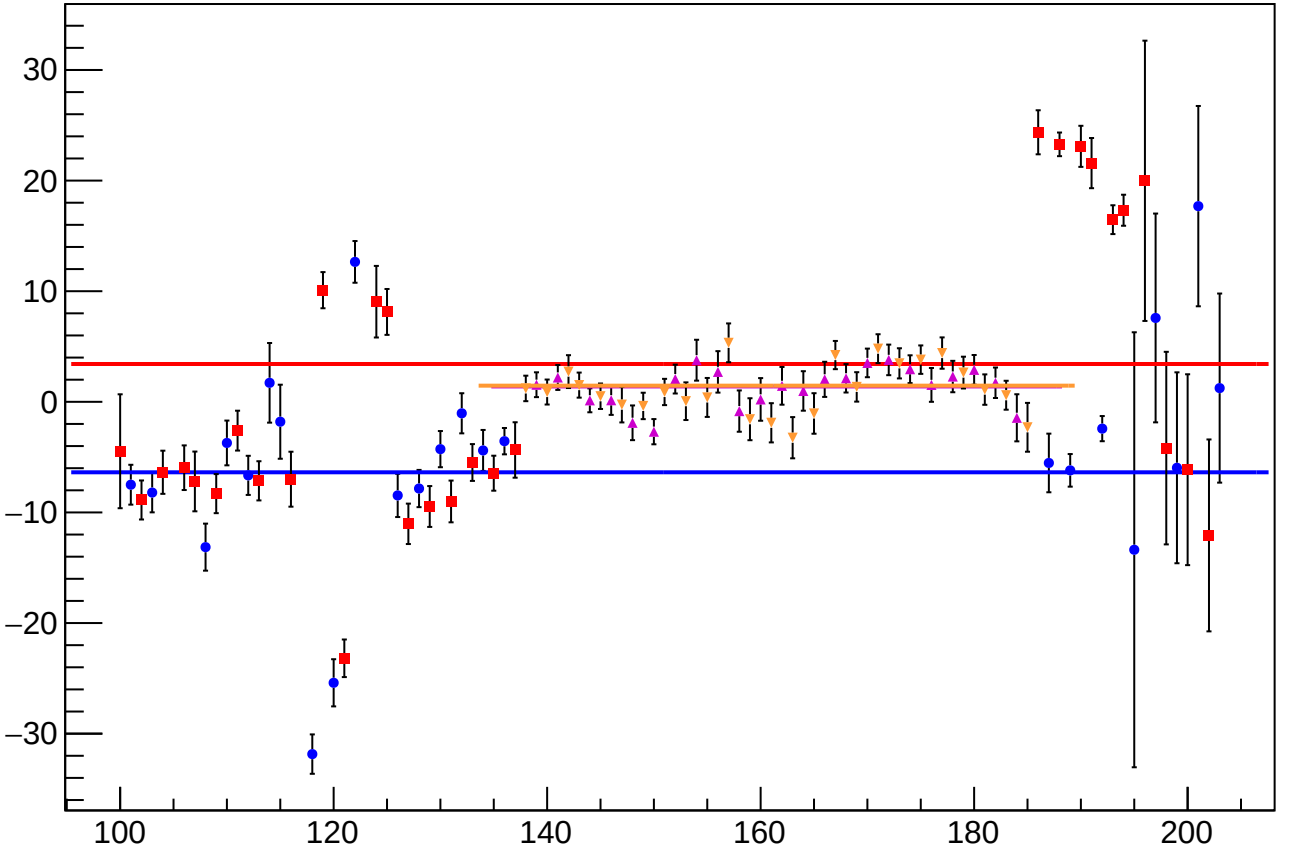
Right: 8429.103+/-1.162 χ^2/NDF: 2304159.9/52

In: 8622.825+/-1.106 χ^2/NDF:1717430.2/46

Out: 8455.406+/-1.043 χ^2/NDF:1311793.1/53

All: 8534.250+/-0.759 χ^2/NDF: 3041346.6/10

diff_bpm0l08Y_mean vs Slug, Sign Corrected



Right In: -6.372+/-0.405 χ^2/NDF: 447.7/23

Left Out: 1.461+/-0.281 χ^2/NDF:51.0/24

Right Out: 3.419+/-0.360 χ^2/NDF: 1561.1/28

Left In: 1.390+/-0.294 χ^2/NDF:35.5/22

Left: 1.427+/-0.203 χ^2/NDF: 86.6/47

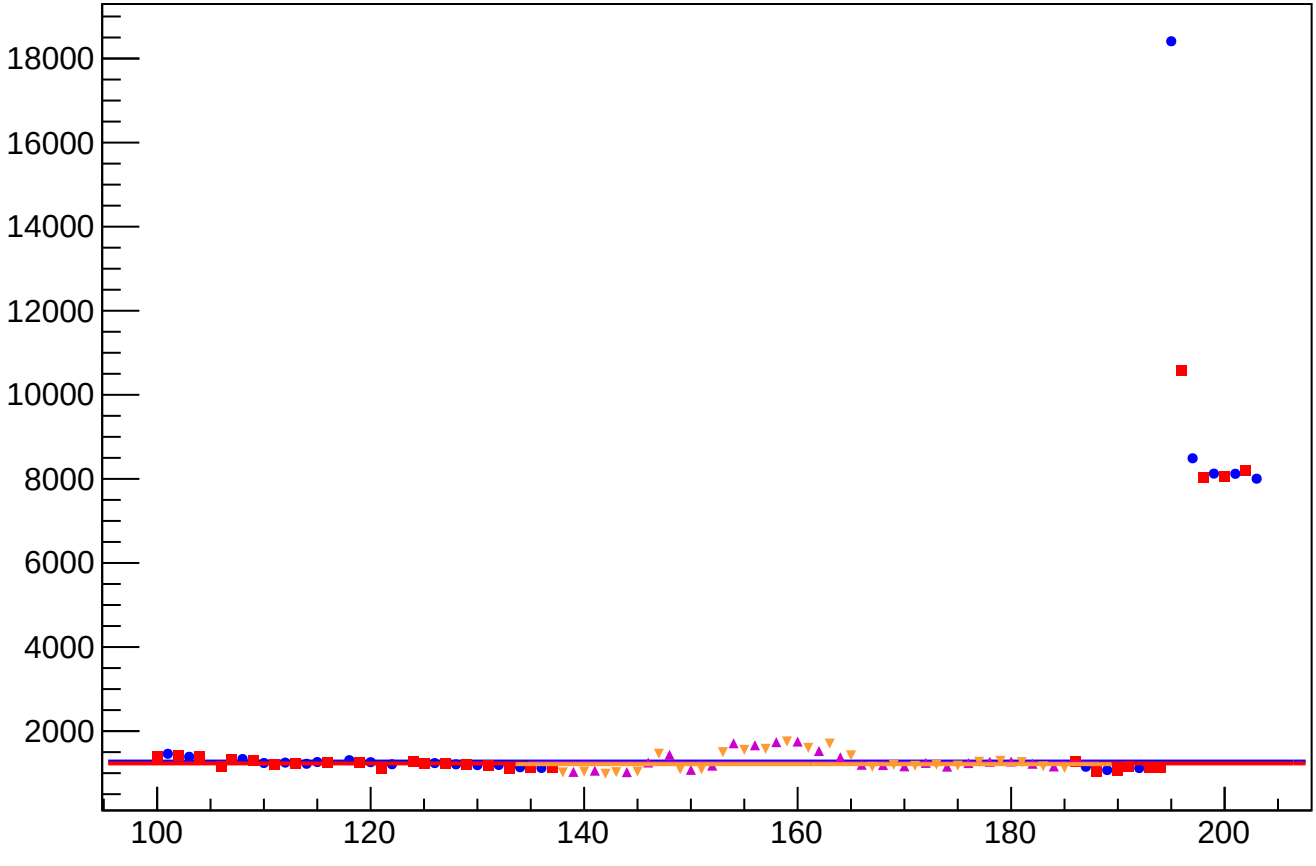
Right: -0.907+/-0.269 χ^2/NDF: 2335.5/52

In: -1.295+/-0.238 χ^2/NDF:723.8/46

Out: 2.201+/-0.221 χ^2/NDF:1630.6/53

All: 0.580+/-0.162 χ^2/NDF: 2470.1/100

diff_bpm0l08Y_rms vs Slug, Sign Corrected



Right In: 1275.661+/-0.286 χ^2/NDF: 6501015.5/23

Left Out: 1213.262+/-0.198 χ^2/NDF:1012762.9/24

Right Out: 1231.681+/-0.255 χ^2/NDF: 5029668.7/28

Left In: 1239.174+/-0.208 χ^2/NDF:885596.7/22

Left: 1225.599+/-0.144 χ^2/NDF: 1906483.7/47

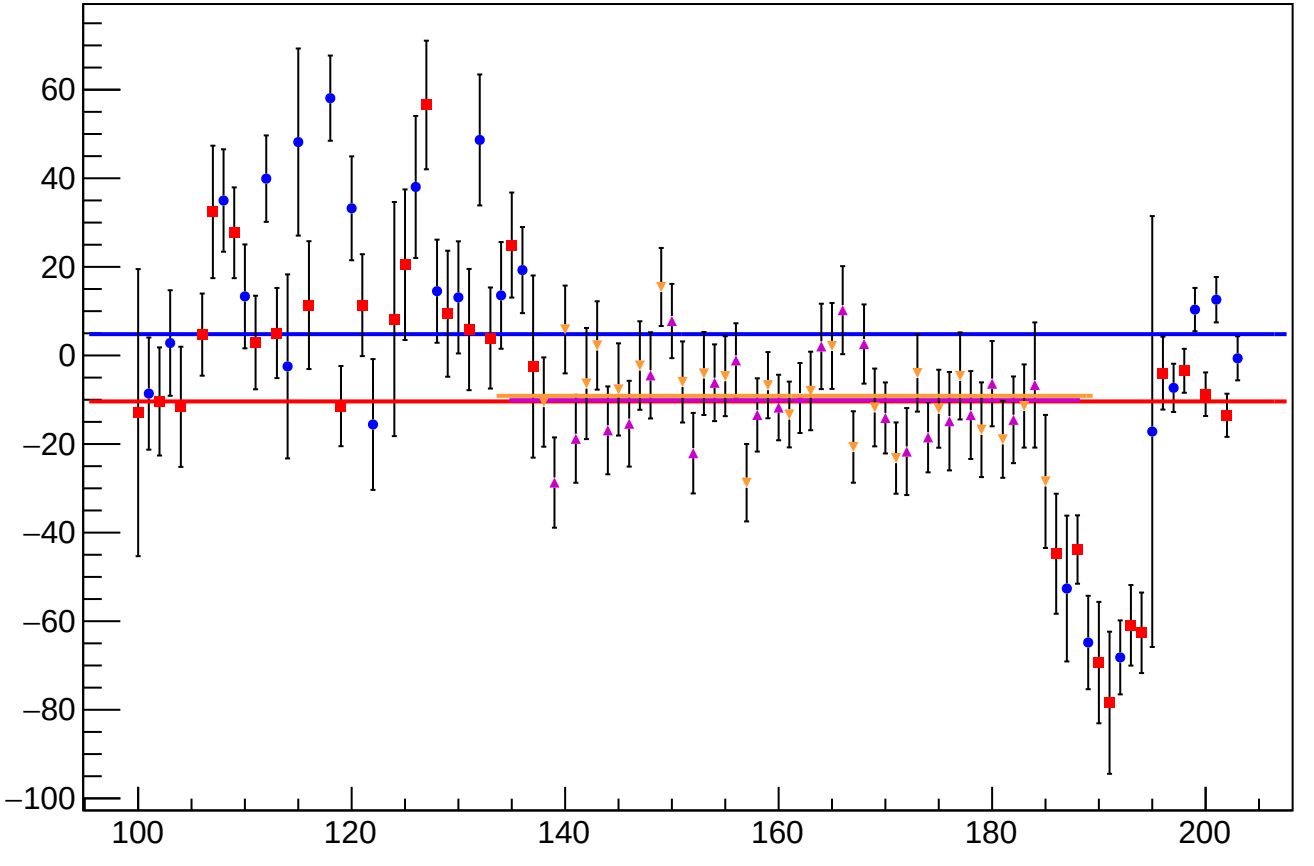
Right: 1251.116+/-0.190 χ^2/NDF: 11543868.9/52

In: 1251.795+/-0.168 χ^2/NDF:7397247.7/46

Out: 1220.219+/-0.156 χ^2/NDF:6045688.1/53

All: 1234.860+/-0.115 χ^2/NDF: 13461816.7/1

diff_bpm0l09X_mean vs Slug, Sign Corrected



Right In: 4.809+/-1.868 χ^2/NDF: 223.3/23

Left Out: -9.114+/-1.842 χ^2/NDF:28.8/24

Right Out: -10.379+/-1.786 χ^2/NDF: 202.0/28

Left In: -10.095+/-1.911 χ^2/NDF:24.3/22

Left: -9.587+/-1.326 χ^2/NDF: 53.2/47

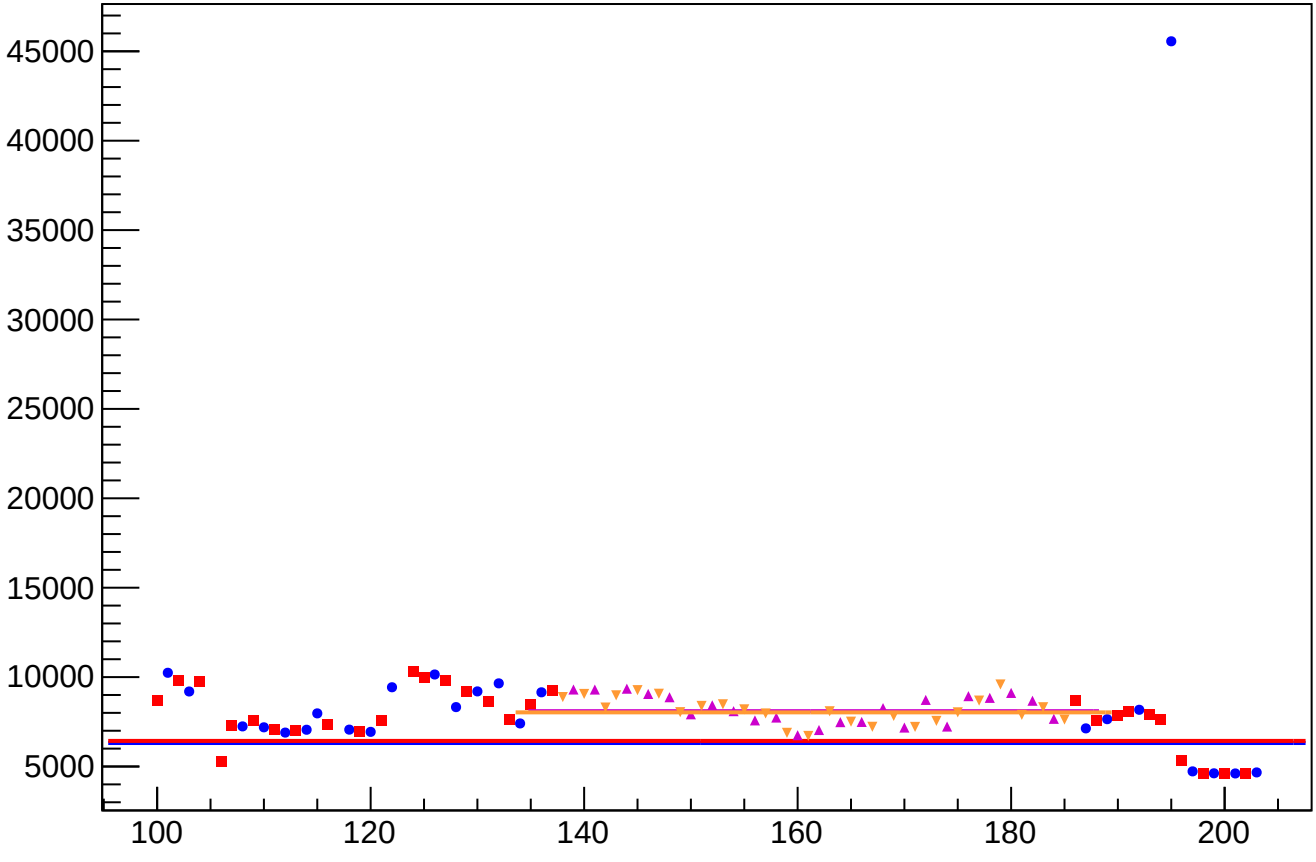
Right: -3.123+/-1.291 χ^2/NDF: 459.8/52

In: -2.471+/-1.336 χ^2/NDF:278.7/46

Out: -9.766+/-1.283 χ^2/NDF:231.0/53

All: -6.267+/-0.925 χ^2/NDF: 525.2/100

diff_bpm0l09X_rms vs Slug, Sign Corrected



Right In: 6313.937+/-1.321 χ^2/NDF: 3315092.0/23

Left Out: 8028.056+/-1.303 χ^2/NDF:332457.9/24

Right Out: 6431.894+/-1.263 χ^2/NDF: 1975824.9/28

Left In: 8095.368+/-1.351 χ^2/NDF:367451.5/22

Left: 8060.478+/-0.938 χ^2/NDF: 701195.2/47

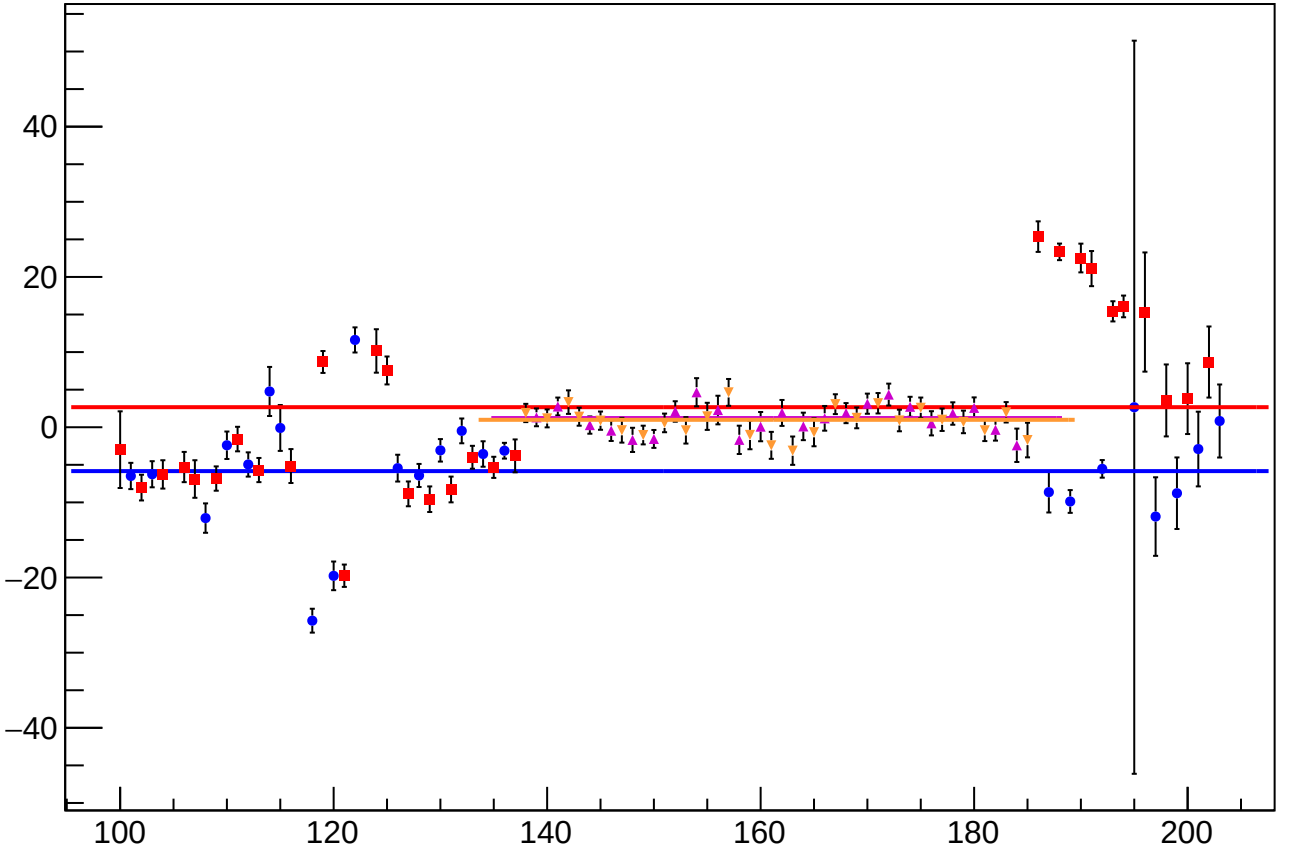
Right: 6375.540+/-0.913 χ^2/NDF: 5295083.2/52

In: 7184.111+/-0.945 χ^2/NDF:4571326.1/46

Out: 7205.295+/-0.907 χ^2/NDF:3082005.2/53

All: 7195.134+/-0.654 χ^2/NDF: 7653593.0/10

diff_bpm0l09Y_mean vs Slug, Sign Corrected



Right In: -5.838+/-0.375 χ^2/NDF: 382.6/23

Left Out: 0.988+/-0.292 χ^2/NDF:31.0/24

Right Out: 2.670+/-0.340 χ^2/NDF: 1460.4/28

Left In: 1.219+/-0.307 χ^2/NDF:33.1/22

Left: 1.098+/-0.212 χ^2/NDF: 64.4/47

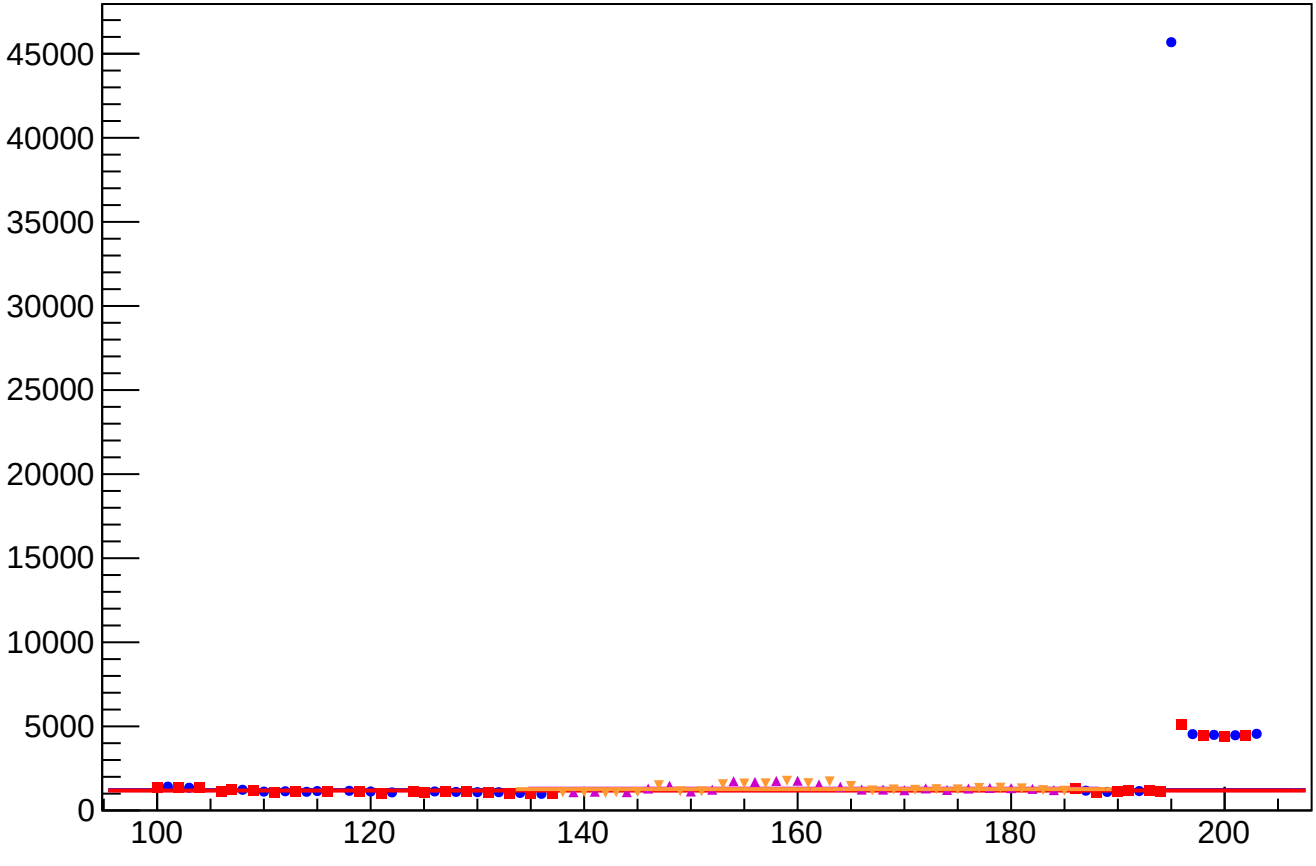
Right: -1.170+/-0.252 χ^2/NDF: 2125.3/52

In: -1.607+/-0.237 χ^2/NDF:628.0/46

Out: 1.703+/-0.222 χ^2/NDF:1505.4/53

All: 0.160+/-0.162 χ^2/NDF: 2237.3/100

diff_bpm0l09Y_rms vs Slug, Sign Corrected



Right In: 1210.117+/-0.265 χ^2/NDF: 5468721.7/23

Left Out: 1267.405+/-0.207 χ^2/NDF:878431.8/24

Right Out: 1185.964+/-0.241 χ^2/NDF: 3540158.6/28

Left In: 1294.076+/-0.217 χ^2/NDF:758193.5/22

Left: 1280.108+/-0.150 χ^2/NDF: 1644552.9/47

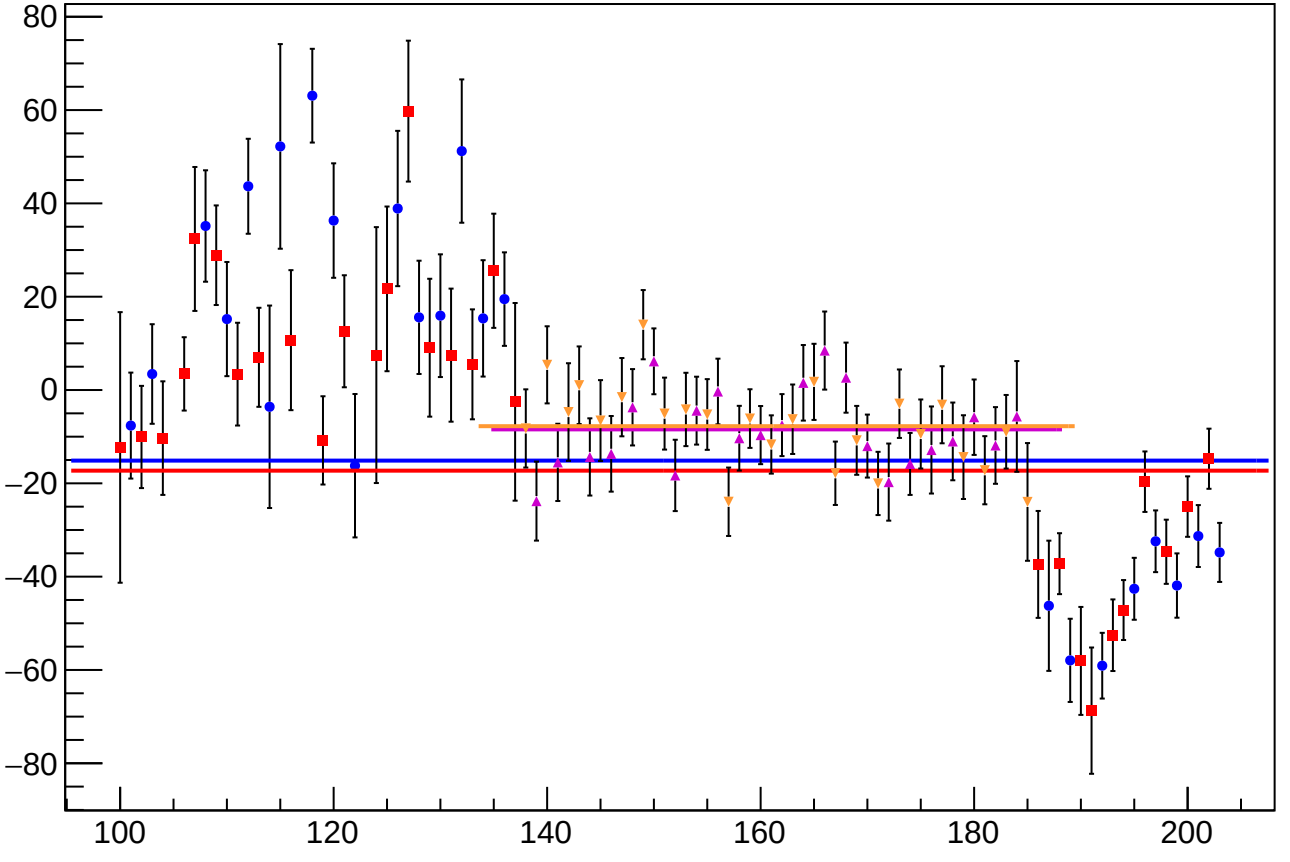
Right: 1196.865+/-0.178 χ^2/NDF: 9013431.4/52

In: 1260.447+/-0.168 χ^2/NDF:6286997.7/46

Out: 1232.804+/-0.157 χ^2/NDF:4484529.8/53

All: 1245.684+/-0.115 χ^2/NDF: 10786014.2/

diff_bpm0l10X_mean vs Slug, Sign Corrected



Right In: -15.130+/-1.985 χ^2/NDF: 329.3/23

Left Out: -7.752+/-1.547 χ^2/NDF:30.4/24

Right Out: -17.284+/-1.833 χ^2/NDF: 200.3/28

Left In: -8.438+/-1.605 χ^2/NDF:24.8/22

Left: -8.082+/-1.114 χ^2/NDF: 55.3/47

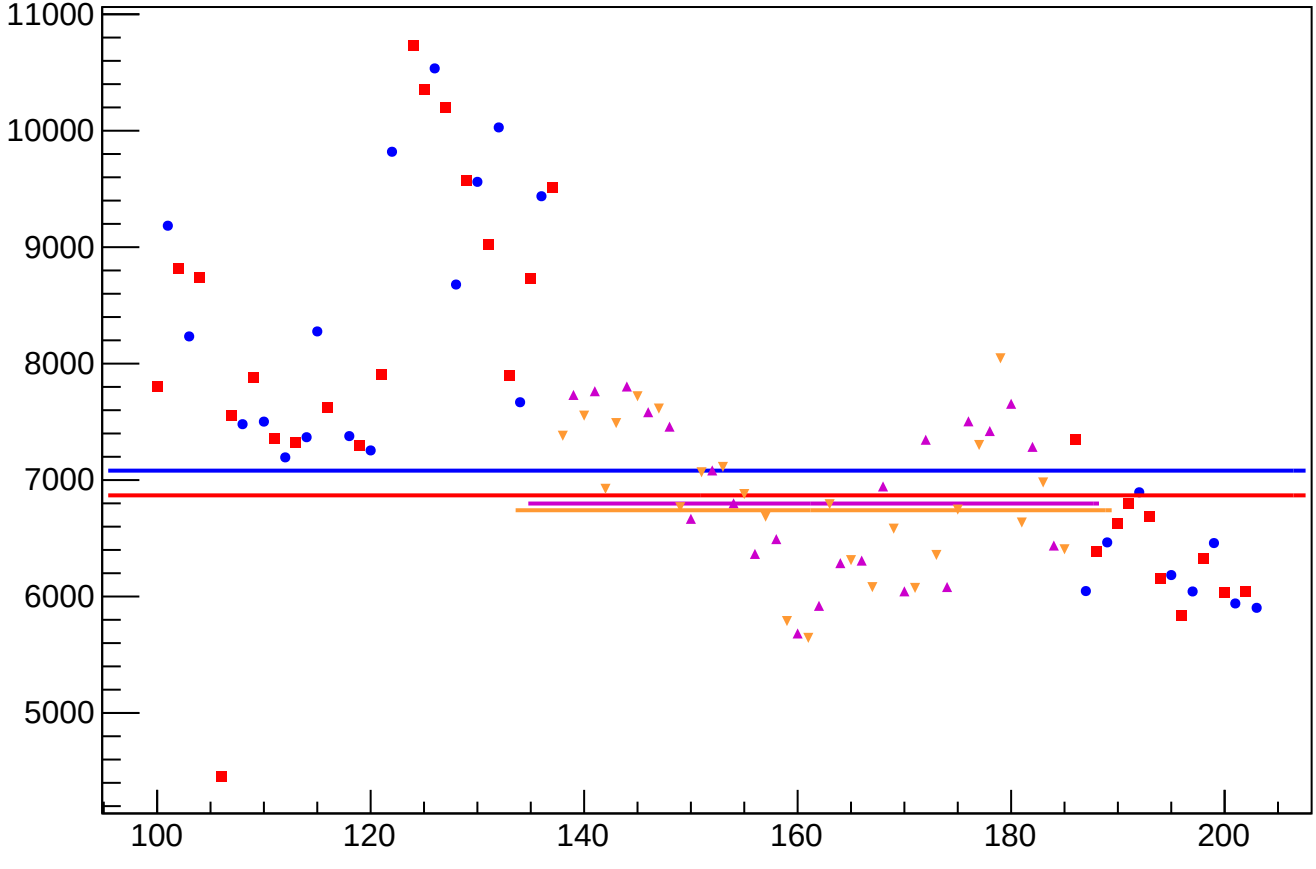
Right: -16.292+/-1.347 χ^2/NDF: 530.2/52

In: -11.083+/-1.248 χ^2/NDF:361.0/46

Out: -11.717+/-1.182 χ^2/NDF:246.5/53

All: -11.417+/-0.858 χ^2/NDF: 607.6/100

diff_bpm0l10X_rms vs Slug, Sign Corrected



Right In: 7081.009+/-1.403 χ^2/NDF: 801651.6/23

Left Out: 6740.835+/-1.094 χ^2/NDF:316707.6/24

Right Out: 6868.630+/-1.296 χ^2/NDF: 944899.5/28

Left In: 6798.524+/-1.135 χ^2/NDF:353277.6/22

Left: 6768.617+/-0.787 χ^2/NDF: 671325.3/47

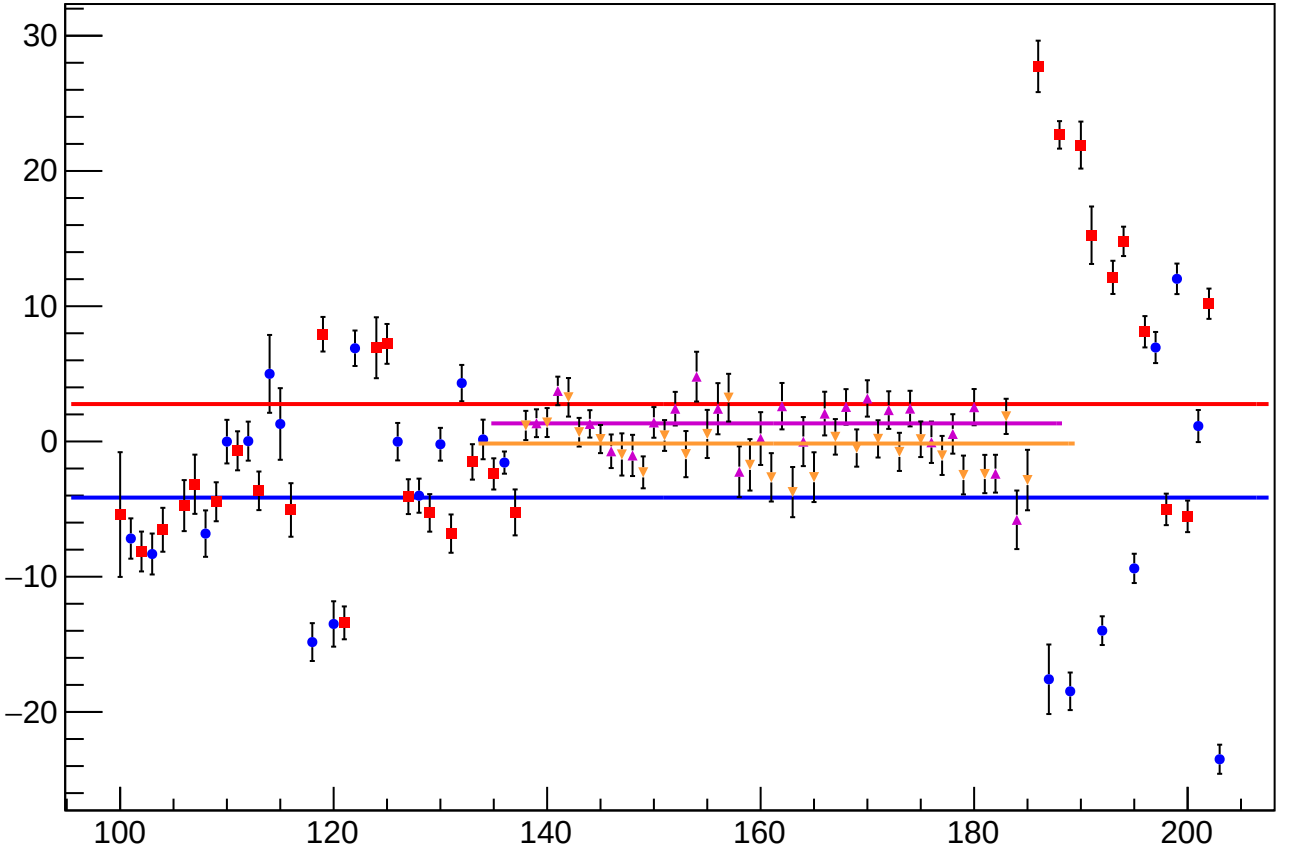
Right: 6966.373+/-0.952 χ^2/NDF: 1758911.2/52

In: 6910.179+/-0.882 χ^2/NDF:1179428.4/46

Out: 6793.989+/-0.836 χ^2/NDF:1267286.7/53

All: 6848.937+/-0.607 χ^2/NDF: 2455854.7/10

diff_bpm0l10Y_mean vs Slug, Sign Corrected



Right In: -4.150+/-0.270 χ^2/NDF: 1166.0/23

Left Out: -0.152+/-0.277 χ^2/NDF:36.1/24

Right Out: 2.766+/-0.261 χ^2/NDF: 1600.3/28

Left In: 1.337+/-0.290 χ^2/NDF:44.0/22

Left: 0.557+/-0.200 χ^2/NDF: 93.9/47

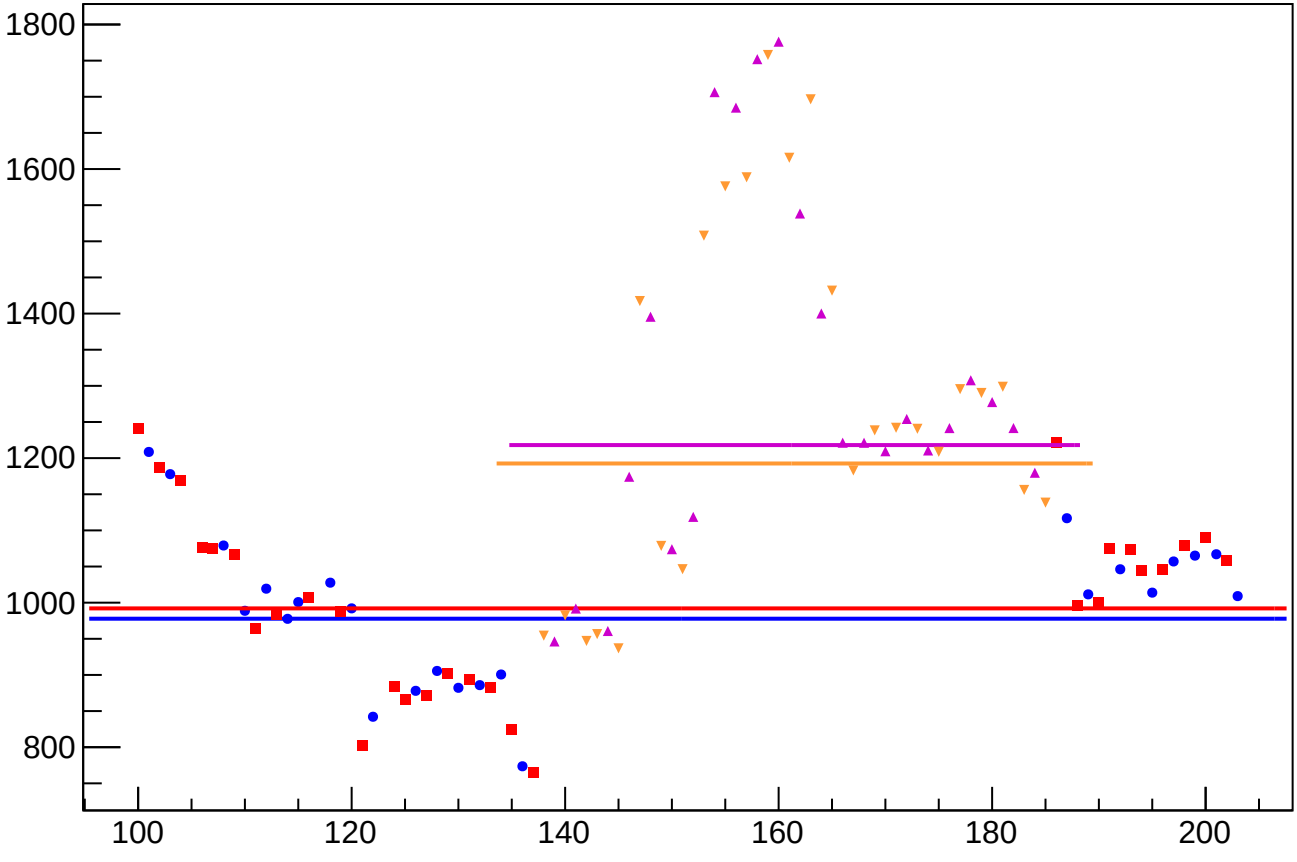
Right: -0.571+/-0.188 χ^2/NDF: 3104.6/52

In: -1.599+/-0.198 χ^2/NDF:1401.4/46

Out: 1.391+/-0.190 χ^2/NDF:1695.2/53

All: -0.043+/-0.137 χ^2/NDF: 3215.4/100

diff_bpm0l10Y_rms vs Slug, Sign Corrected



Right In: 977.808+/-0.191 χ^2/NDF: 336235.3/23

Left Out: 1192.579+/-0.196 χ^2/NDF:1320181.3/24

Right Out: 992.063+/-0.185 χ^2/NDF: 356608.5/28

Left In: 1218.058+/-0.205 χ^2/NDF:1127896.8/22

Left: 1204.714+/-0.142 χ^2/NDF: 2456154.6/47

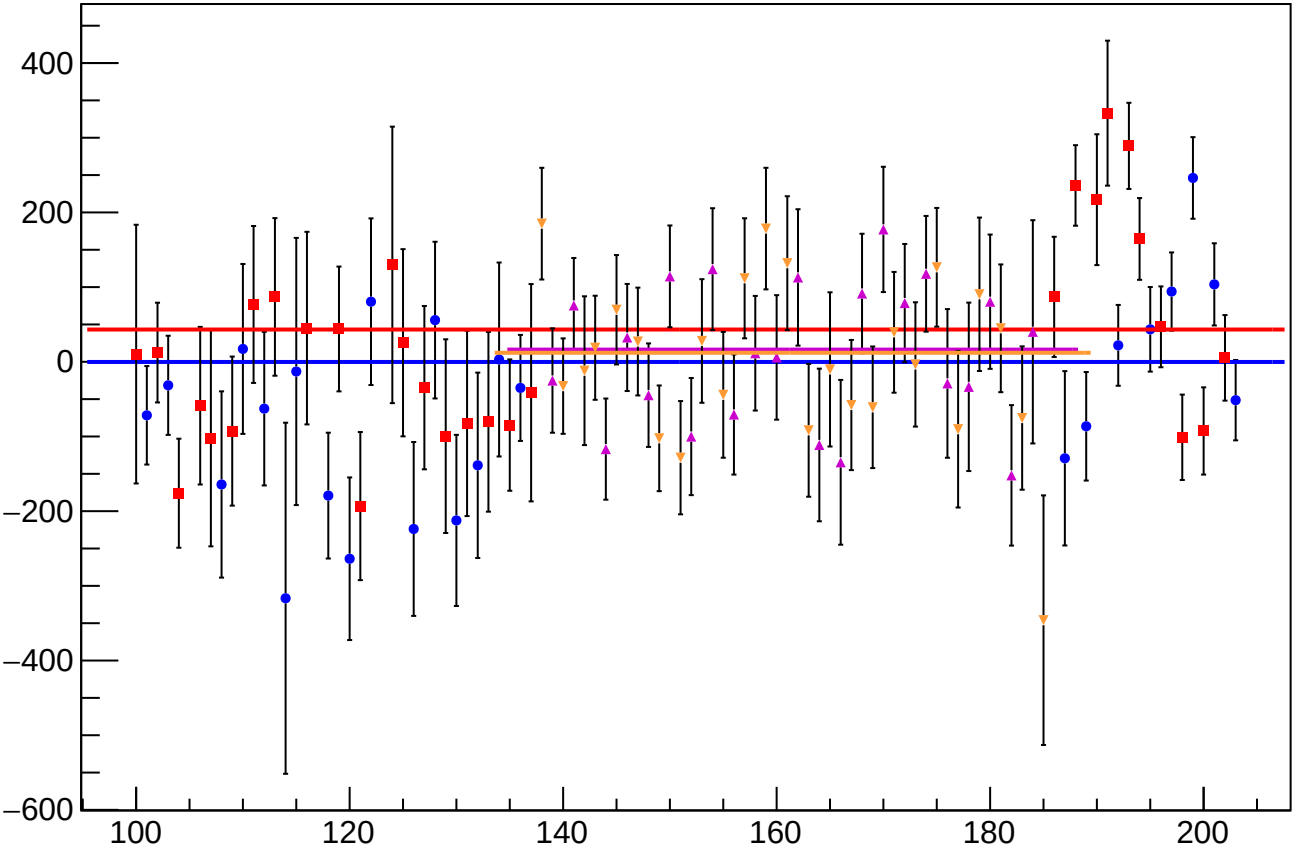
Right: 985.185+/-0.133 χ^2/NDF: 695718.4/52

In: 1089.517+/-0.140 χ^2/NDF:2197754.6/46

Out: 1086.537+/-0.134 χ^2/NDF:2232210.2/53

All: 1087.966+/-0.097 χ^2/NDF: 4430200.8/10

diff_bpm0r03X_mean vs Slug, Sign Corrected



Right In: -0.213+/-16.006 χ^2/NDF: 56.6/23

Left Out: 12.081+/-16.608 χ^2/NDF:32.8/24

Right Out: 43.214+/-15.197 χ^2/NDF: 86.8/28

Left In: 16.339+/-17.018 χ^2/NDF:28.7/22

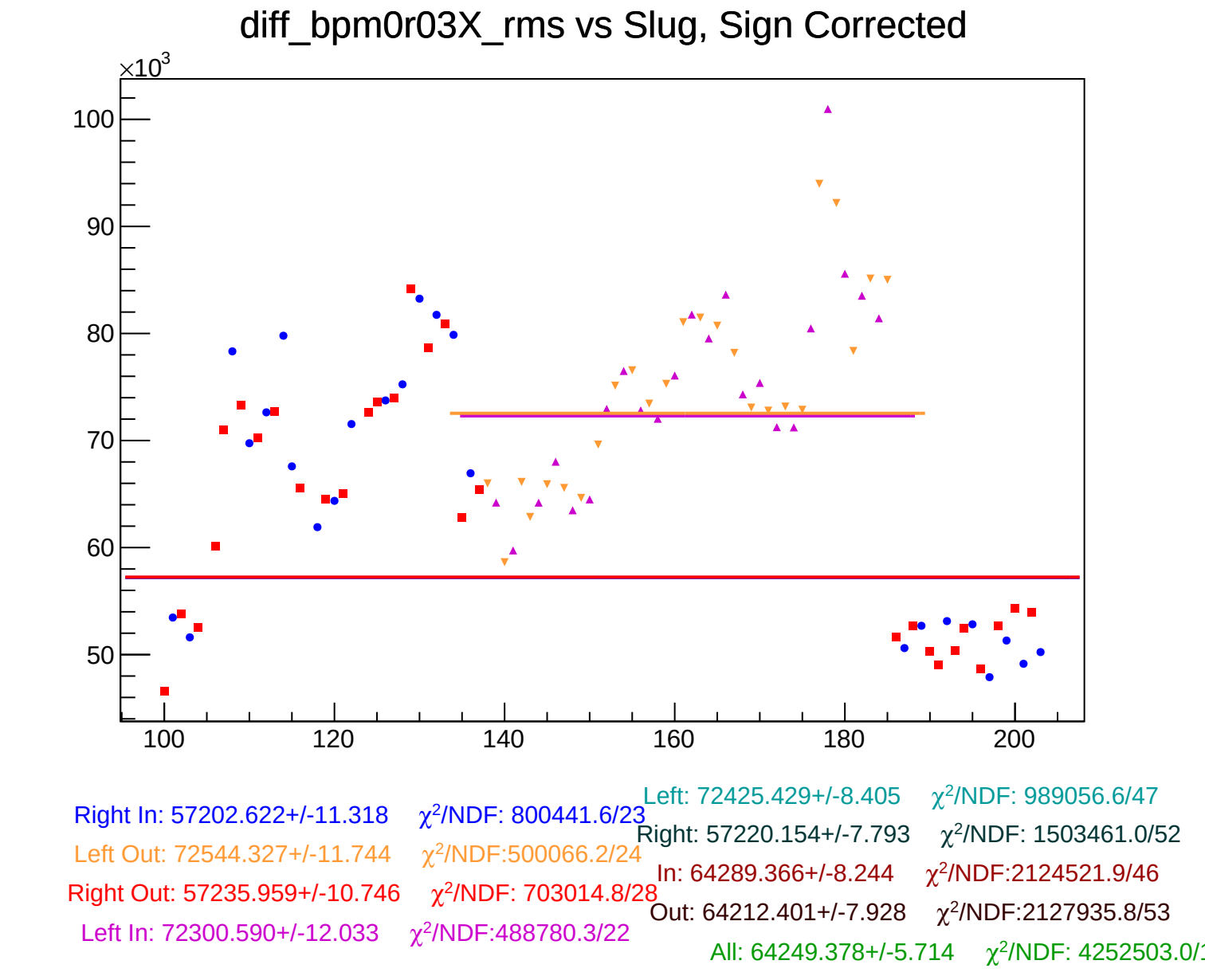
Left: 14.158+/-11.886 χ^2/NDF: 61.5/47

Right: 22.625+/-11.021 χ^2/NDF: 147.2/52

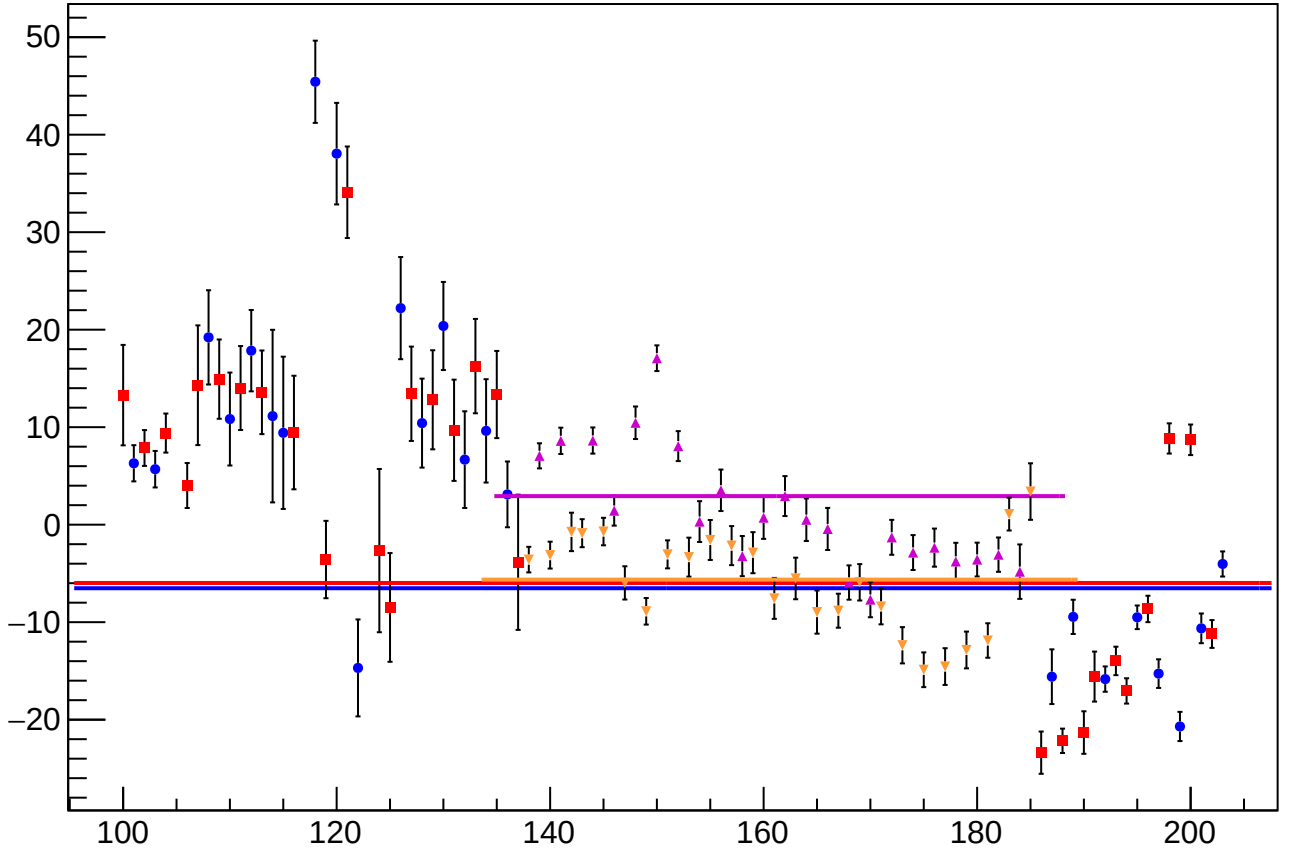
In: 7.556+/-11.659 χ^2/NDF:85.8/46

Out: 29.026+/-11.212 χ^2/NDF:121.5/53

All: 18.711+/-8.081 χ^2/NDF: 209.0/100


diff_bpm0r03X_rms vs Slug, Sign Corrected
×10^3
100
90
80
70
60
50
100
120
140
160
180
200
Right In: 57202.622+/-11.318 χ²/NDF: 800441.6/23
Left Out: 72544.327+/-11.744 χ²/NDF:500066.2/24
Right Out: 57235.959+/-10.746 χ²/NDF: 703014.8/28
Left In: 72300.590+/-12.033 χ²/NDF:488780.3/22
Left: 72425.429+/-8.405 χ²/NDF: 989056.6/47
Right: 57220.154+/-7.793 χ²/NDF: 1503461.0/52
In: 64289.366+/-8.244 χ²/NDF:2124521.9/46
Out: 64212.401+/-7.928 χ²/NDF:2127935.8/53
All: 64249.378+/-5.714 χ²/NDF: 4252503.0/

diff_bpm0r03Y_mean vs Slug, Sign Corrected



Right In: -6.519+/-0.454 χ^2/NDF: 712.8/23

Left Out: -5.636+/-0.349 χ^2/NDF:178.2/24

Right Out: -5.978+/-0.425 χ^2/NDF: 983.2/28

Left In: 2.929+/-0.362 χ^2/NDF:337.4/22

Left: -1.513+/-0.251 χ^2/NDF: 805.4/47

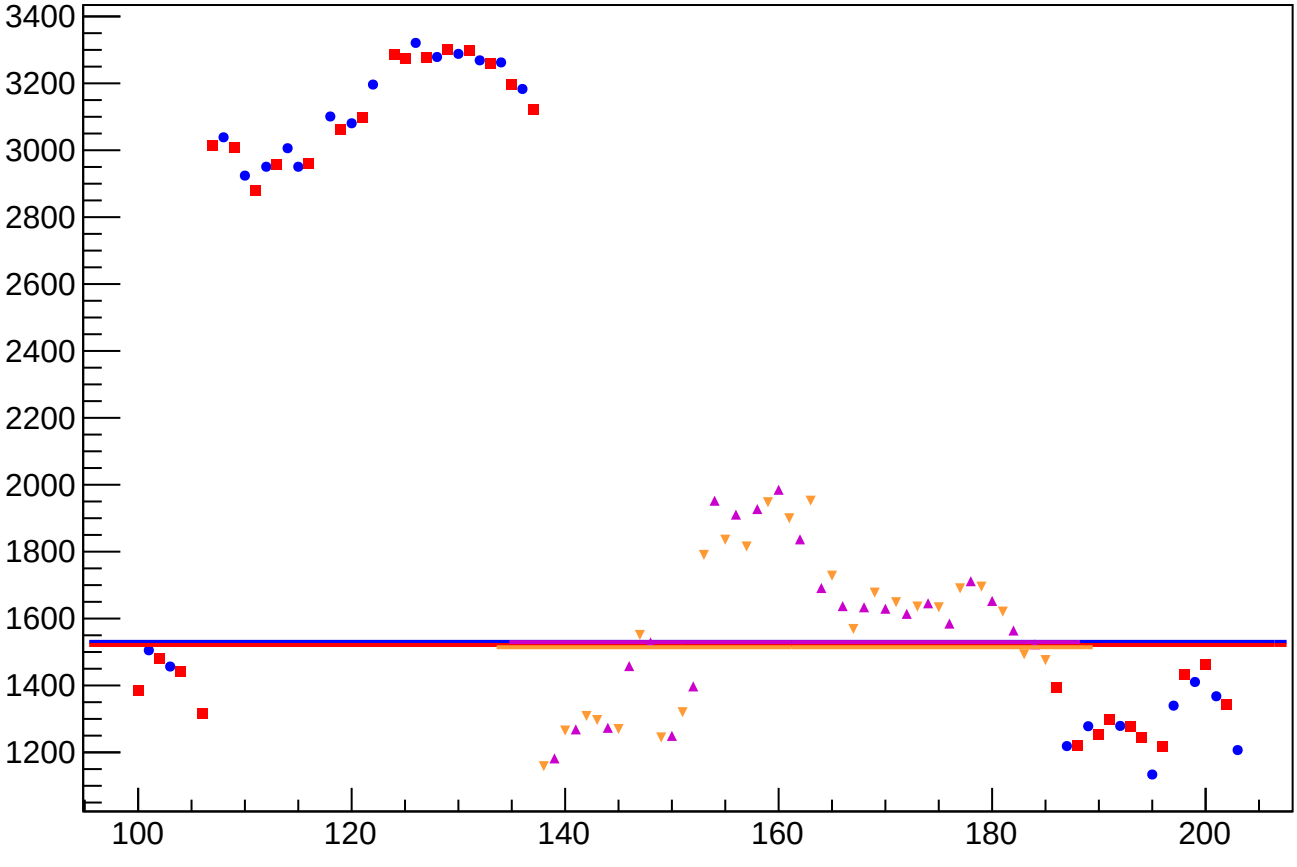
Right: -6.231+/-0.310 χ^2/NDF: 1696.7/52

In: -0.745+/-0.283 χ^2/NDF:1314.6/46

Out: -5.774+/-0.270 χ^2/NDF:1161.7/53

All: -3.381+/-0.195 χ^2/NDF: 2641.6/100

diff_bpm0r03Y_rms vs Slug, Sign Corrected



Right In: 1530.328+/-0.321 χ^2/NDF: 3722389.7/23

Left Out: 1514.334+/-0.247 χ^2/NDF:933332.1/24

Right Out: 1521.089+/-0.301 χ^2/NDF: 3610451.5/28

Left In: 1529.635+/-0.256 χ^2/NDF:828481.7/22

Left: 1521.700+/-0.178 χ^2/NDF: 1763664.0/47

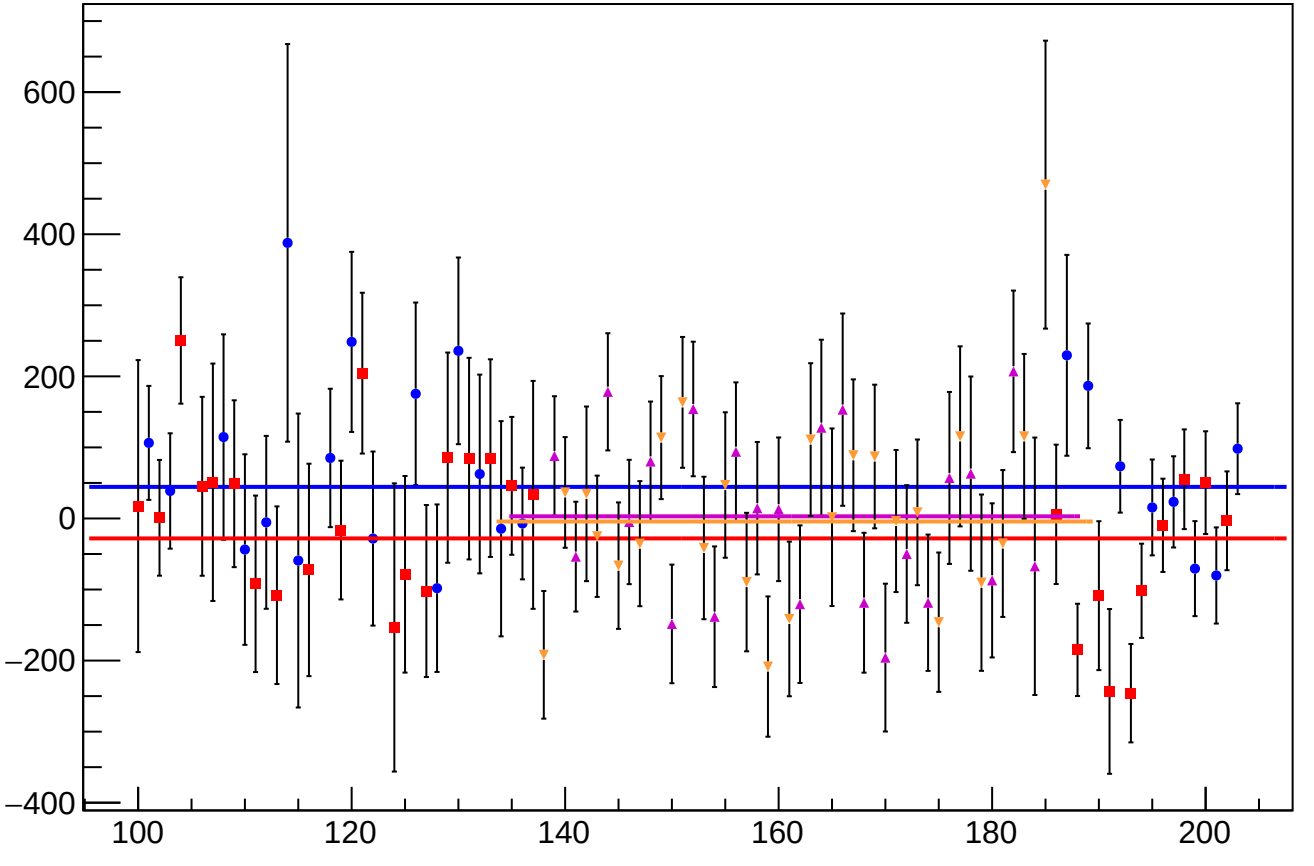
Right: 1525.408+/-0.220 χ^2/NDF: 7333282.0/52

In: 1529.904+/-0.200 χ^2/NDF:4550874.3/46

Out: 1517.051+/-0.191 χ^2/NDF:4544084.9/53

All: 1523.168+/-0.138 χ^2/NDF: 9097118.3/10

diff_bpm0r05X_mean vs Slug, Sign Corrected



Right In: 44.437+/-19.033 χ^2/NDF: 23.4/23

Left Out: -4.274+/-20.240 χ^2/NDF:30.4/24

Right Out: -28.071+/-18.132 χ^2/NDF: 43.4/28

Left In: 3.017+/-20.720 χ^2/NDF:30.7/22

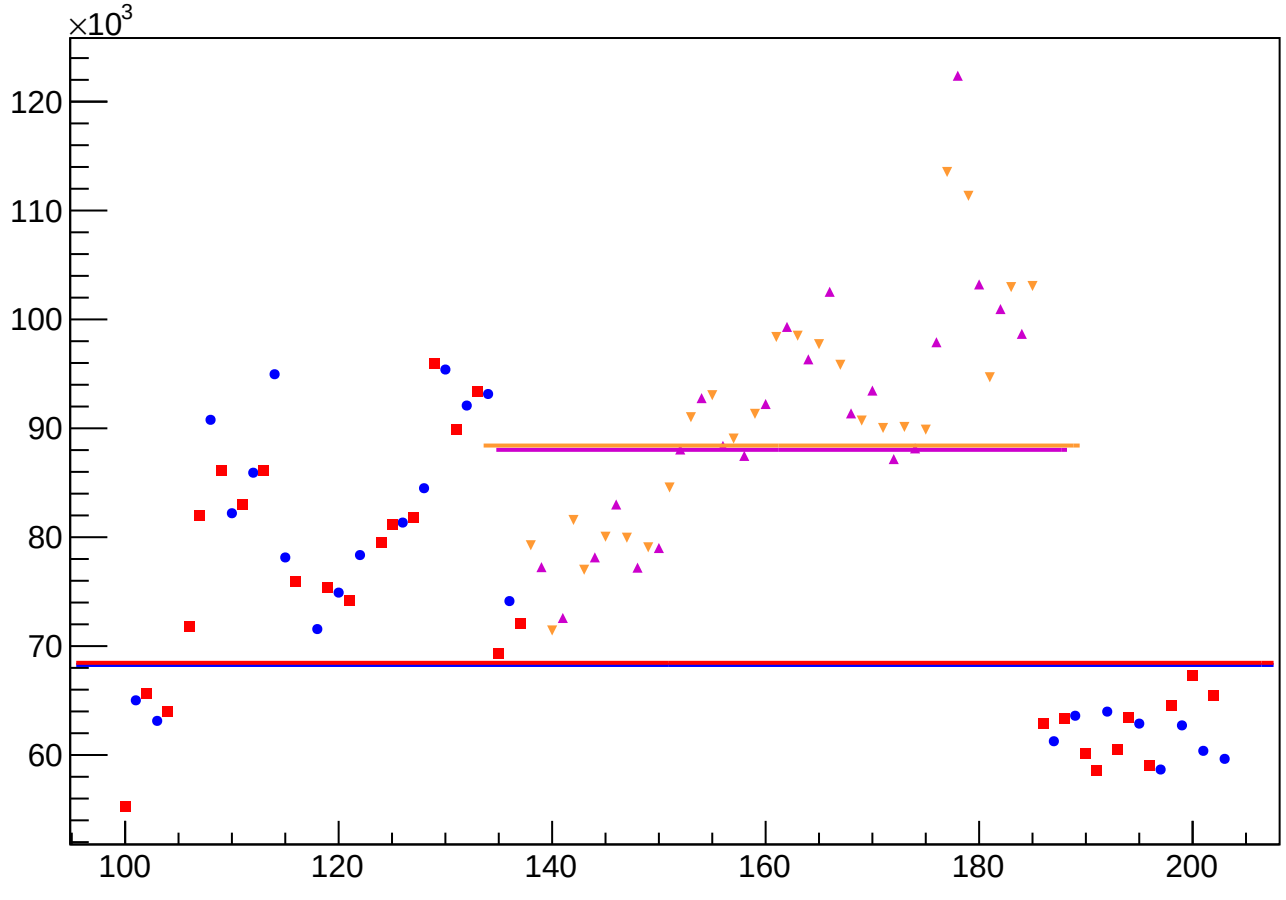
Left: -0.714+/-14.478 χ^2/NDF: 61.2/47

Right: 6.425+/-13.128 χ^2/NDF: 74.4/52

In: 25.481+/-14.017 χ^2/NDF:56.3/46

Out: -17.476+/-13.505 χ^2/NDF:74.6/53

All: 3.204+/-9.726 χ^2/NDF: 135.8/100



Right In: 68268.625+/-13.459 χ^2/NDF: 588836.4/23

Left Out: 88417.953+/-14.312 χ^2/NDF:481954.0/24

Right Out: 68465.614+/-12.821 χ^2/NDF: 526252.4/28

Left In: 88023.592+/-14.651 χ^2/NDF:484812.2/22

Left: 88225.391+/-10.238 χ^2/NDF: 967137.0/47

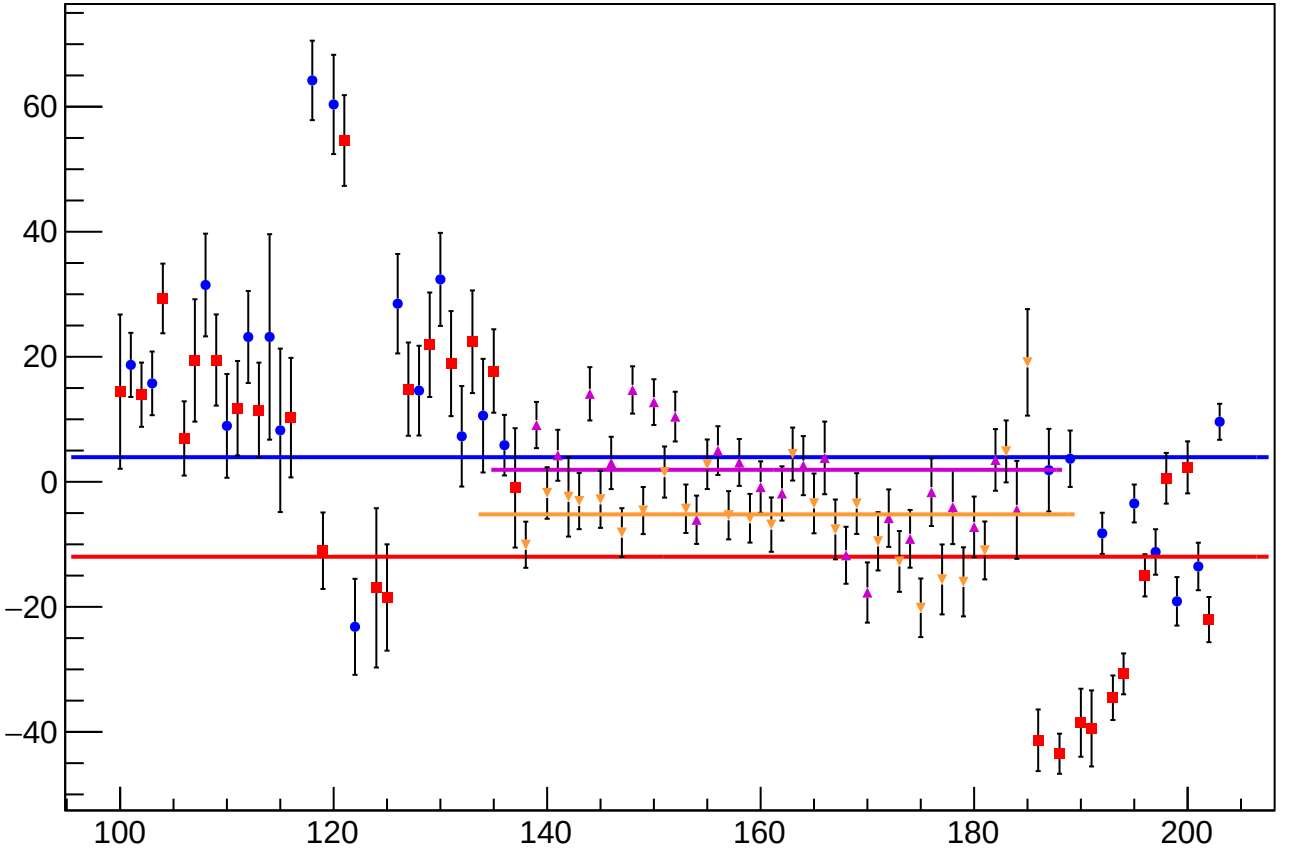
Right: 68371.895+/-9.283 χ^2/NDF: 1115201.1/52

In: 77309.628+/-9.912 χ^2/NDF:2059669.1/46

Out: 77348.950+/-9.550 χ^2/NDF:2086436.9/53

All: 77330.020+/-6.877 χ^2/NDF: 4146114.2/

diff_bpm0r05Y_mean vs Slug, Sign Corrected



Right In: 3.941+/-1.043 χ^2/NDF: 311.1/23

Left Out: -5.206+/-0.894 χ^2/NDF:51.0/24

Right Out: -11.982+/-1.003 χ^2/NDF: 594.5/28

Left In: 1.924+/-0.916 χ^2/NDF:83.2/22

Left: -1.729+/-0.640 χ^2/NDF: 165.2/47

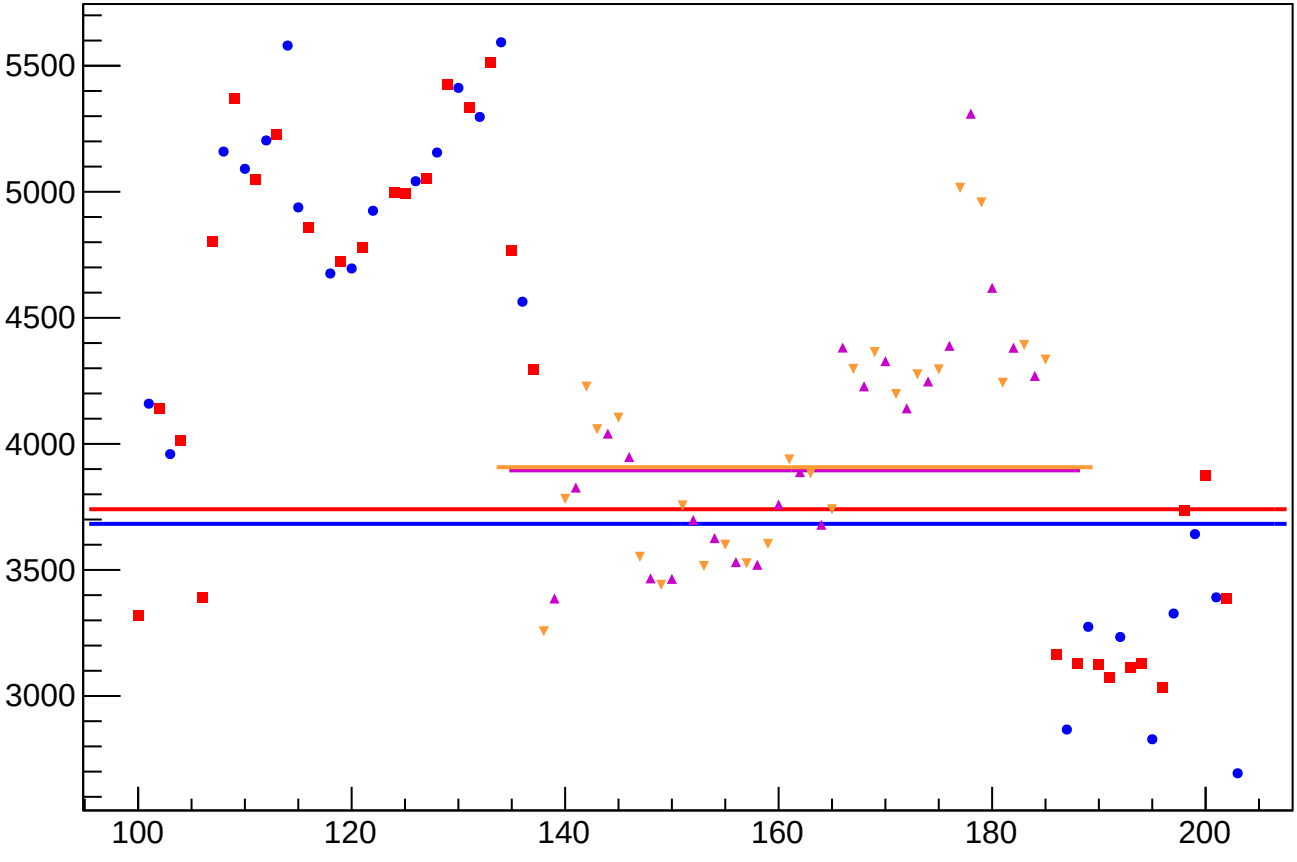
Right: -4.333+/-0.723 χ^2/NDF: 1026.7/52

In: 2.803+/-0.688 χ^2/NDF:396.4/46

Out: -8.207+/-0.667 χ^2/NDF:670.9/53

All: -2.873+/-0.479 χ^2/NDF: 1199.3/100

diff_bpm0r05Y_rms vs Slug, Sign Corrected



Right In: 3682.847+/-0.737 χ^2/NDF: 1405340.8/23

Left Out: 3907.465+/-0.632 χ^2/NDF:441202.5/24

Right Out: 3740.832+/-0.709 χ^2/NDF: 1222967.2/28

Left In: 3895.108+/-0.648 χ^2/NDF:409913.9/22

Left: 3901.439+/-0.452 χ^2/NDF: 851302.8/47

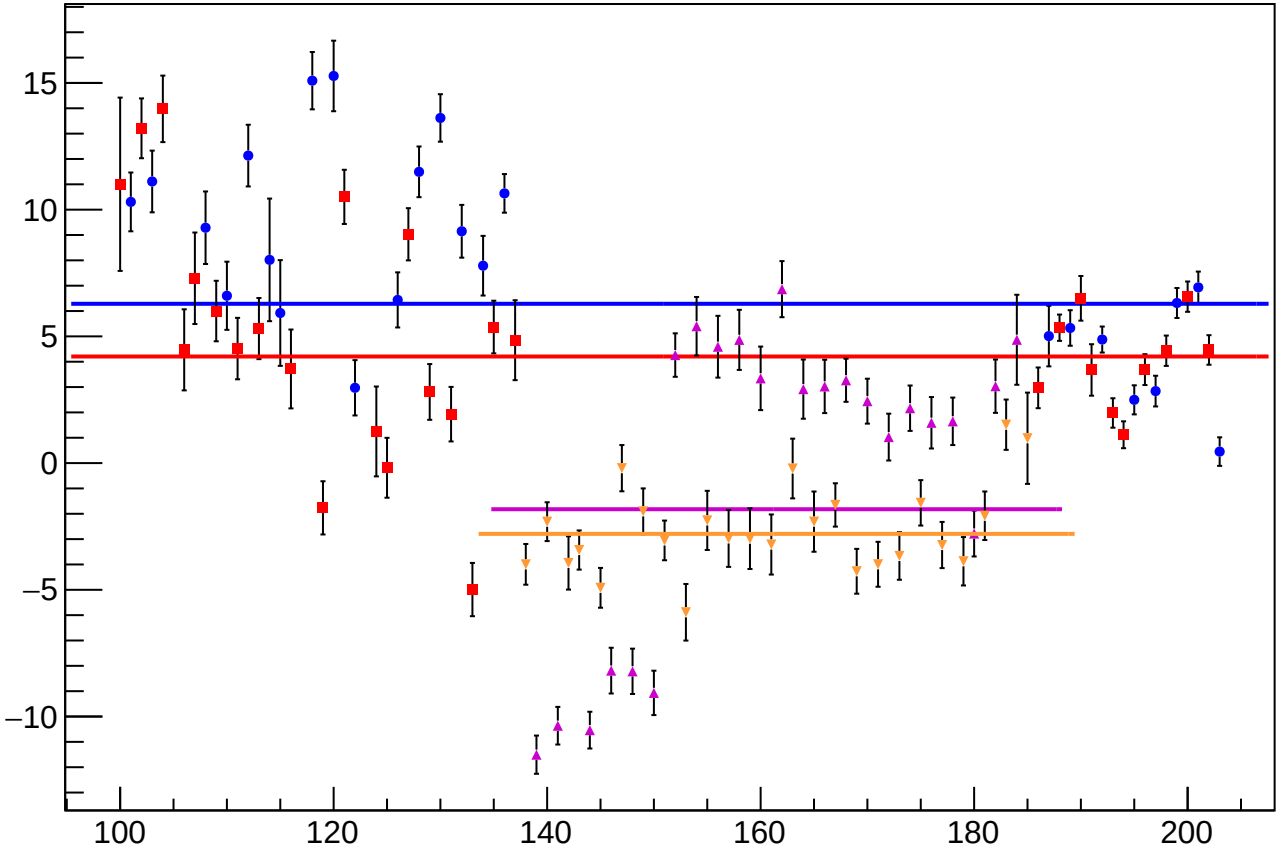
Right: 3712.977+/-0.511 χ^2/NDF: 2631522.0/52

In: 3802.616+/-0.487 χ^2/NDF:1862022.7/46

Out: 3833.669+/-0.472 χ^2/NDF:1694952.0/53

All: 3818.626+/-0.339 χ^2/NDF: 3559073.6/10

diff_bpm2i01X_mean vs Slug, Sign Corrected



Right In: 6.286+/-0.174 χ^2/NDF: 492.4/23

Left Out: -2.792+/-0.190 χ^2/NDF:68.4/24

Right Out: 4.206+/-0.163 χ^2/NDF: 392.9/28

Left In: -1.820+/-0.198 χ^2/NDF:1026.0/22

Left: -2.327+/-0.137 χ^2/NDF: 1107.0/47

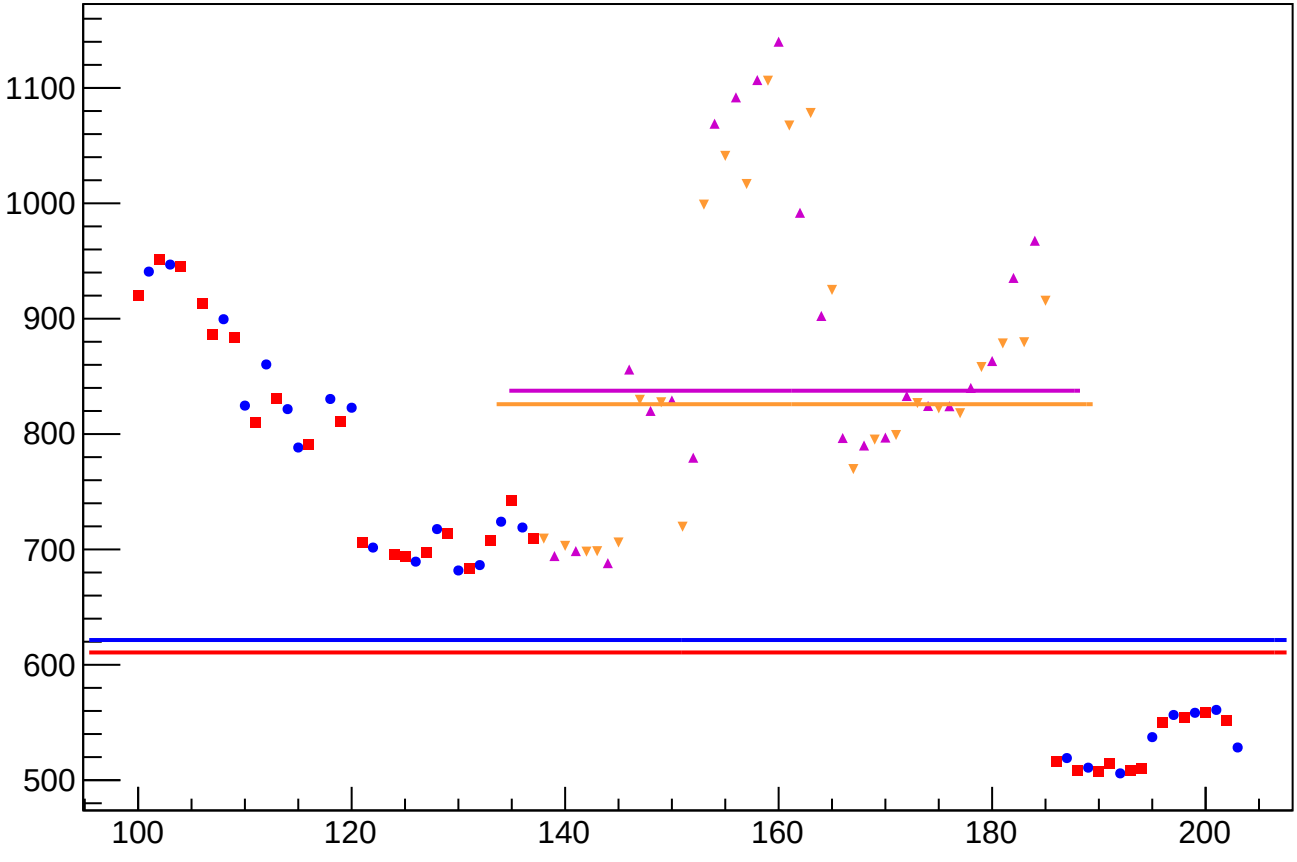
Right: 5.178+/-0.119 χ^2/NDF: 961.1/52

In: 2.749+/-0.131 χ^2/NDF:2461.5/46

Out: 1.235+/-0.124 χ^2/NDF:1241.5/53

All: 1.950+/-0.090 χ^2/NDF: 3773.6/100

diff_bpm2i01X_rms vs Slug, Sign Corrected



Right In: 621.484+/-0.123 χ^2/NDF: 1058559.3/23

Left Out: 825.883+/-0.134 χ^2/NDF:765050.9/24

Right Out: 610.702+/-0.115 χ^2/NDF: 1243118.4/28

Left In: 837.569+/-0.140 χ^2/NDF:714157.0/22

Left: 831.482+/-0.097 χ^2/NDF: 1482830.3/47

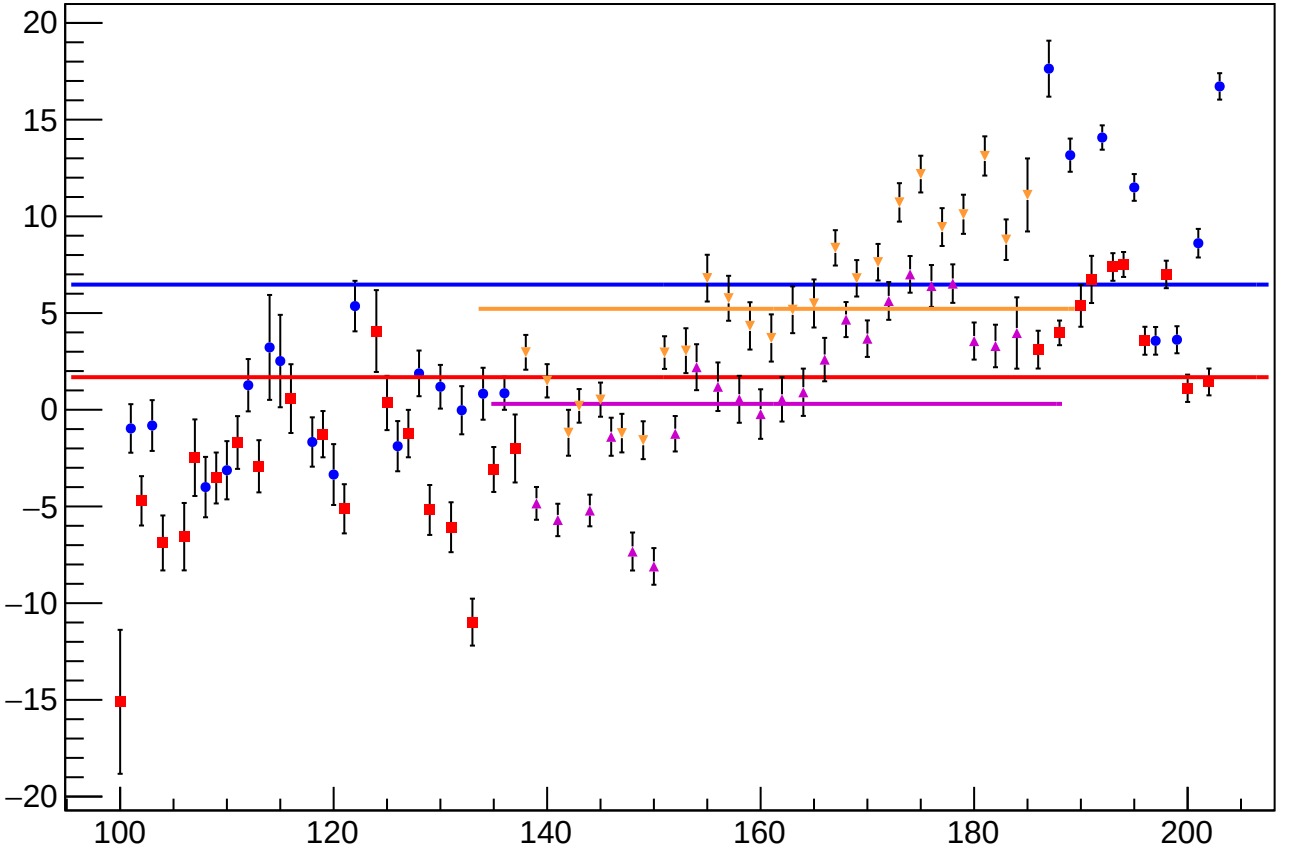
Right: 615.739+/-0.084 χ^2/NDF: 2305753.3/52

In: 715.765+/-0.093 χ^2/NDF:3113169.5/46

Out: 702.056+/-0.088 χ^2/NDF:3483251.9/53

All: 708.531+/-0.064 χ^2/NDF: 6607995.8/100

diff_bpm2i01Y_mean vs Slug, Sign Corrected



Right In: 6.471+/-0.206 χ^2/NDF: 1002.7/23

Left Out: 5.219+/-0.204 χ^2/NDF:449.9/24

Right Out: 1.684+/-0.193 χ^2/NDF: 632.4/28

Left In: 0.304+/-0.213 χ^2/NDF:495.2/22

Left: 2.859+/-0.147 χ^2/NDF: 1222.8/47

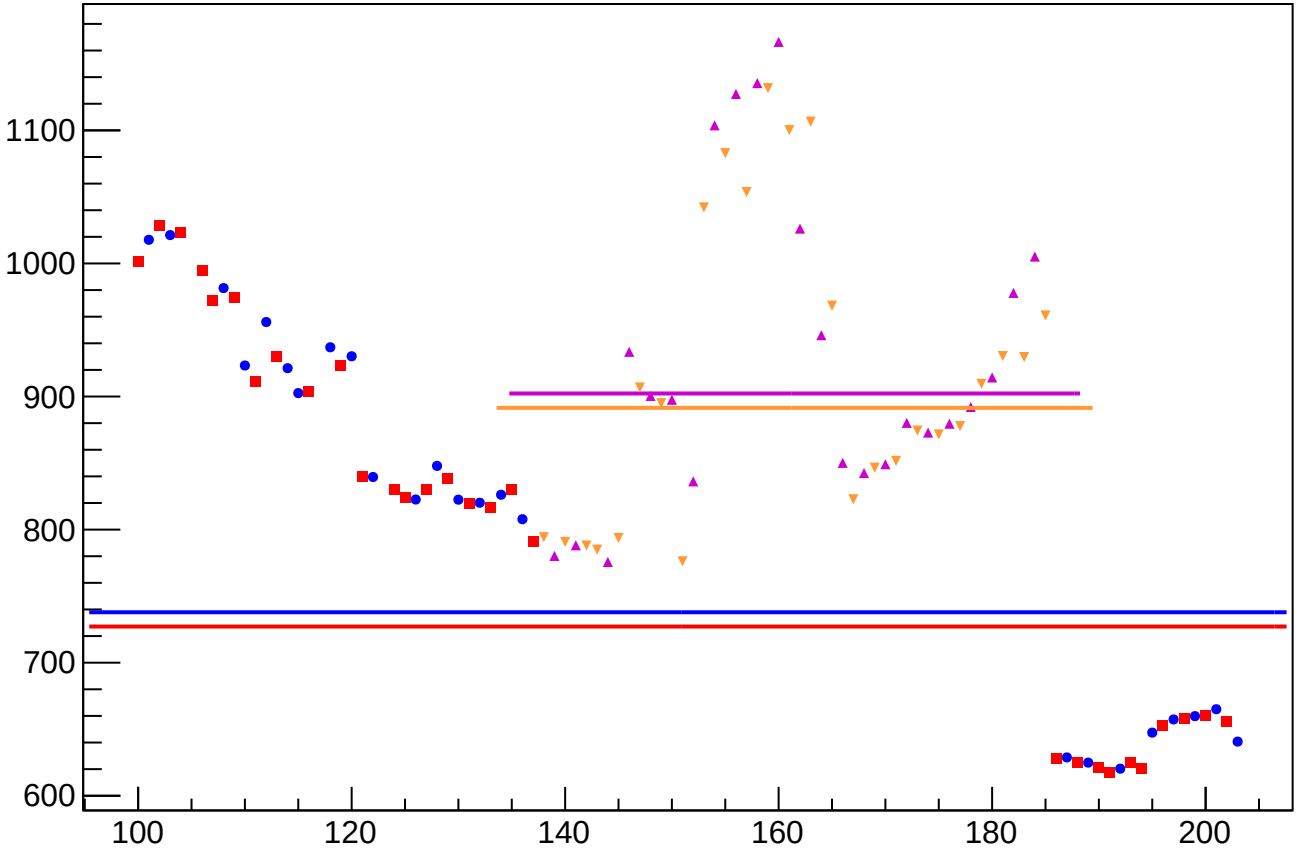
Right: 3.927+/-0.141 χ^2/NDF: 1922.6/52

In: 3.488+/-0.148 χ^2/NDF:1932.1/46

Out: 3.353+/-0.140 χ^2/NDF:1240.3/53

All: 3.417+/-0.102 χ^2/NDF: 3172.9/100

diff_bpm2i01Y_rms vs Slug, Sign Corrected



Right In: 737.897+/-0.146 χ^2/NDF: 761028.3/23

Left Out: 891.492+/-0.145 χ^2/NDF:517791.6/24

Right Out: 727.163+/-0.137 χ^2/NDF: 894251.1/28

Left In: 902.292+/-0.150 χ^2/NDF:484924.8/22

Left: 896.677+/-0.104 χ^2/NDF: 1005398.0/47

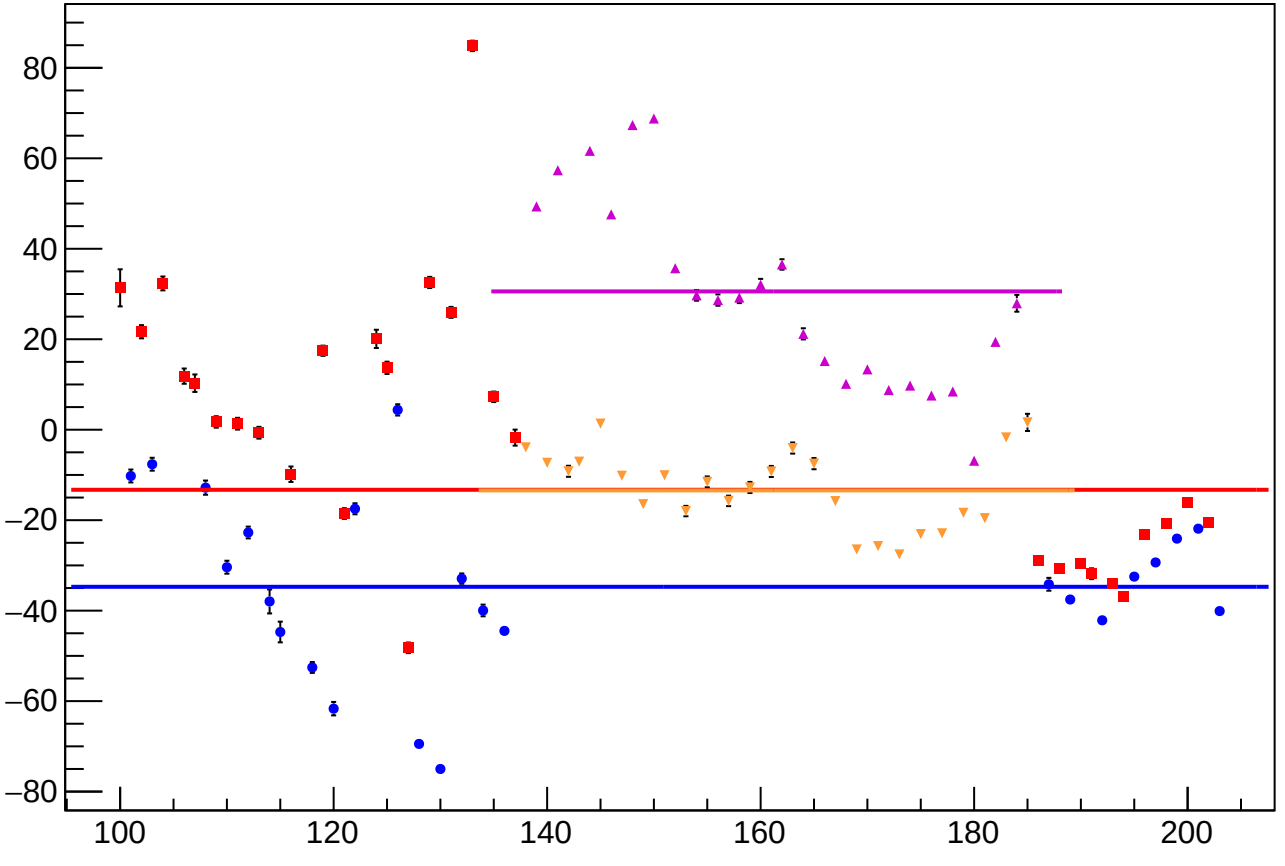
Right: 732.191+/-0.100 χ^2/NDF: 1658170.5/52

In: 817.410+/-0.105 χ^2/NDF:1863074.5/46

Out: 804.721+/-0.099 χ^2/NDF:2094825.8/53

All: 810.736+/-0.072 χ^2/NDF: 3965643.9/100

diff_bpm2i02X_mean vs Slug, Sign Corrected



Right In: -34.727+/-0.202 χ^2/NDF: 6069.9/23

Left Out: -13.420+/-0.206 χ^2/NDF:1663.3/24

Right Out: -13.281+/-0.189 χ^2/NDF: 18885.0/28

Left In: 30.571+/-0.215 χ^2/NDF:10386.5/22

Left: 7.613+/-0.149 χ^2/NDF: 33863.7/47

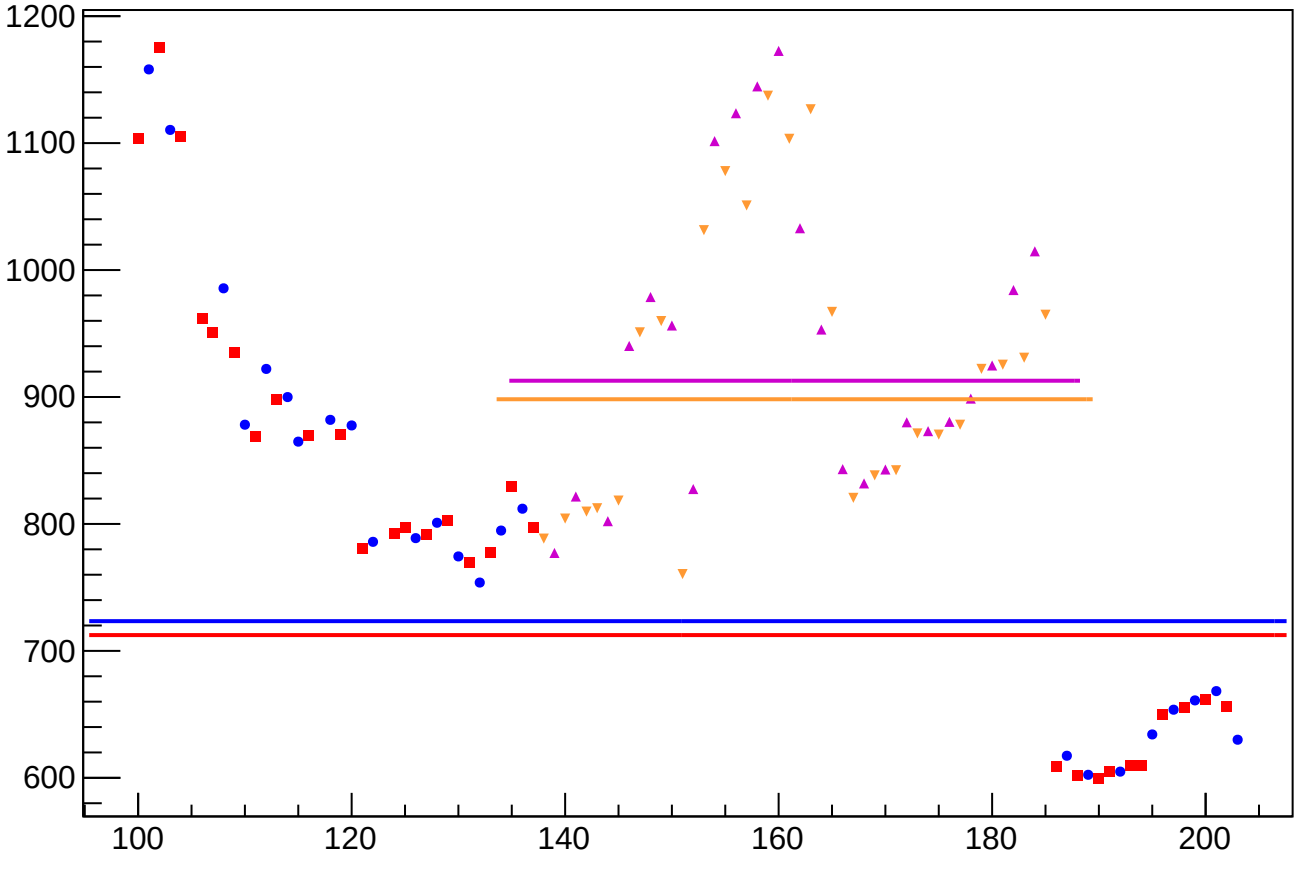
Right: -23.318+/-0.138 χ^2/NDF: 30949.1/52

In: -4.131+/-0.147 χ^2/NDF:65399.0/46

Out: -13.345+/-0.139 χ^2/NDF:20548.5/53

All: -8.990+/-0.101 χ^2/NDF: 88011.0/100

diff_bpm2i02X_rms vs Slug, Sign Corrected



Right In: 723.432+/-0.143 χ^2/NDF: 832618.7/23

Left Out: 898.227+/-0.146 χ^2/NDF:518370.6/24

Right Out: 712.449+/-0.134 χ^2/NDF: 962425.0/28

Left In: 912.817+/-0.152 χ^2/NDF:480021.0/22

Left: 905.203+/-0.105 χ^2/NDF: 1003190.0/47

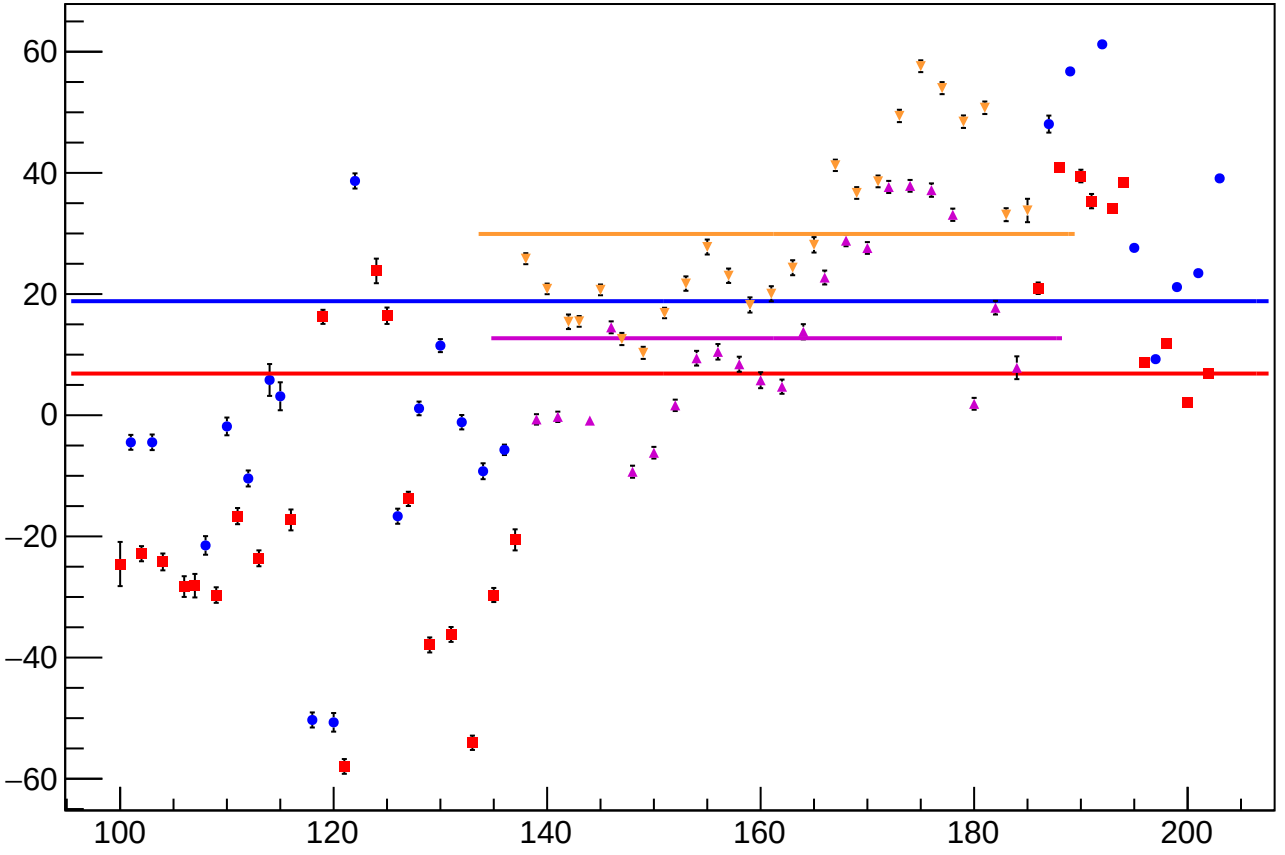
Right: 717.589+/-0.098 χ^2/NDF: 1798187.8/52

In: 812.169+/-0.104 χ^2/NDF:2136014.9/46

Out: 797.622+/-0.099 χ^2/NDF:2362065.1/53

All: 804.498+/-0.072 χ^2/NDF: 4508368.1/100

diff_bpm2i02Y_mean vs Slug, Sign Corrected



Right In: 18.824+/-0.200 χ^2/NDF: 18950.8/23

Left Out: 29.922+/-0.209 χ^2/NDF:4580.4/24

Right Out: 6.879+/-0.187 χ^2/NDF: 22603.4/28

Left In: 12.708+/-0.217 χ^2/NDF:4791.2/22

Left: 21.661+/-0.150 χ^2/NDF: 12640.8/47

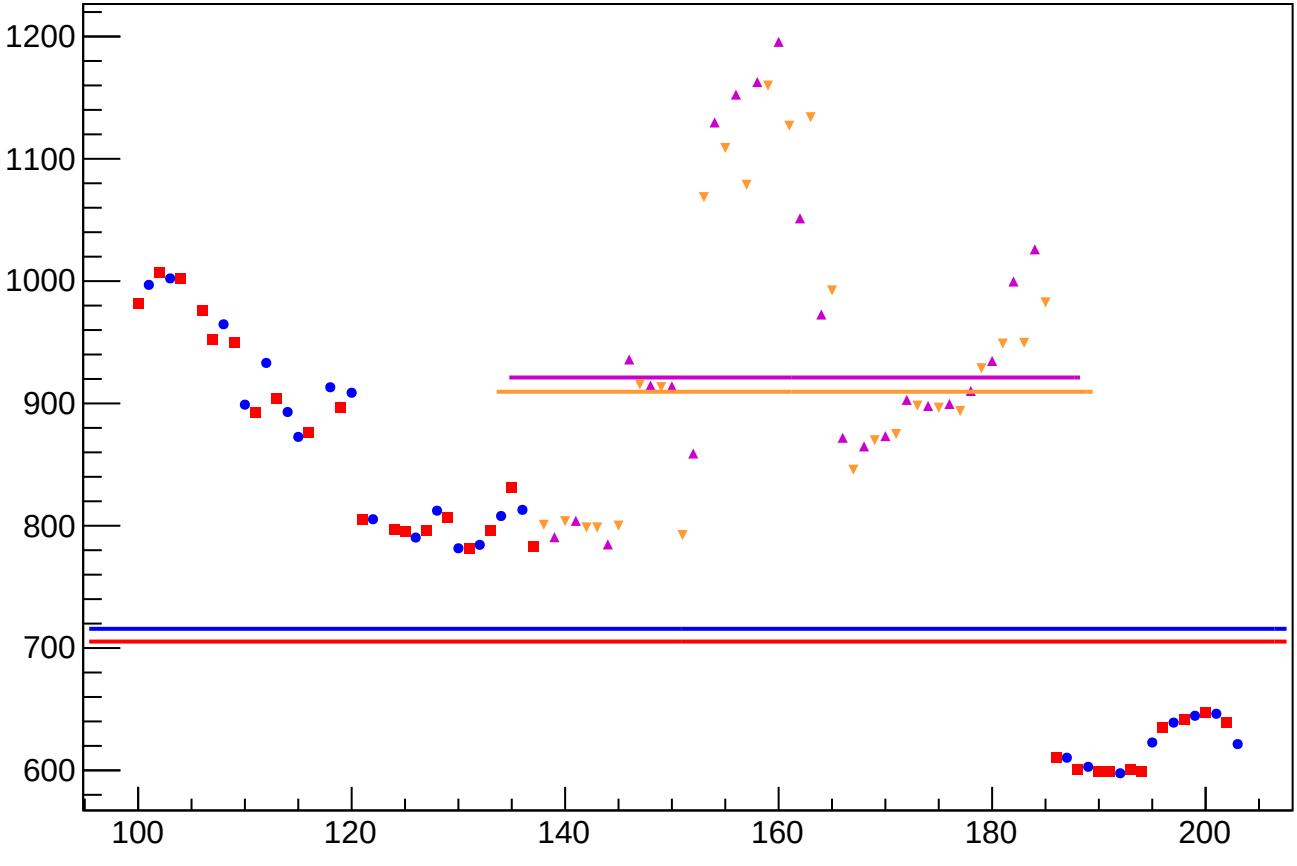
Right: 12.474+/-0.137 χ^2/NDF: 43455.9/52

In: 16.021+/-0.147 χ^2/NDF:24171.8/46

Out: 17.176+/-0.139 χ^2/NDF:33936.1/53

All: 16.629+/-0.101 χ^2/NDF: 58140.4/100

diff_bpm2i02Y_rms vs Slug, Sign Corrected



Right In: 715.724+/-0.141 χ^2/NDF: 792179.7/23

Left Out: 909.552+/-0.147 χ^2/NDF:541710.0/24

Right Out: 705.301+/-0.133 χ^2/NDF: 922623.8/28

Left In: 921.198+/-0.154 χ^2/NDF:497337.0/22

Left: 915.140+/-0.106 χ^2/NDF: 1042039.9/47

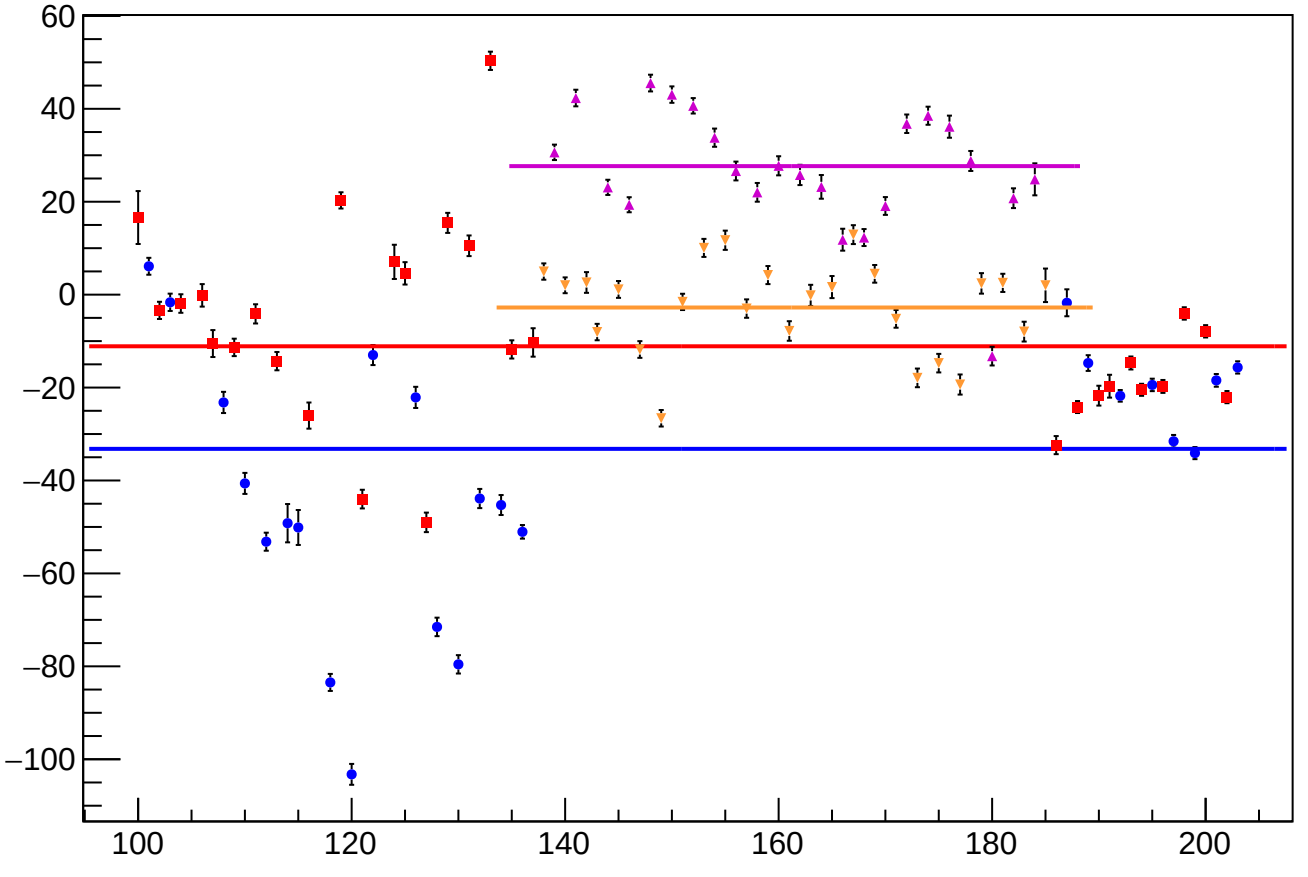
Right: 710.182+/-0.097 χ^2/NDF: 1717699.8/52

In: 809.897+/-0.104 χ^2/NDF:2259708.5/46

Out: 796.574+/-0.099 χ^2/NDF:2525385.8/53

All: 802.883+/-0.072 χ^2/NDF: 4793743.9/100

diff_bpm0i02X_mean vs Slug, Sign Corrected



Right In: -33.191+/-0.363 χ^2/NDF: 4603.8/23

Left Out: -2.767+/-0.397 χ^2/NDF:616.1/24

Right Out: -11.114+/-0.344 χ^2/NDF: 2791.1/28

Left In: 27.663+/-0.409 χ^2/NDF:989.9/22

Left: 12.021+/-0.285 χ^2/NDF: 4455.3/47

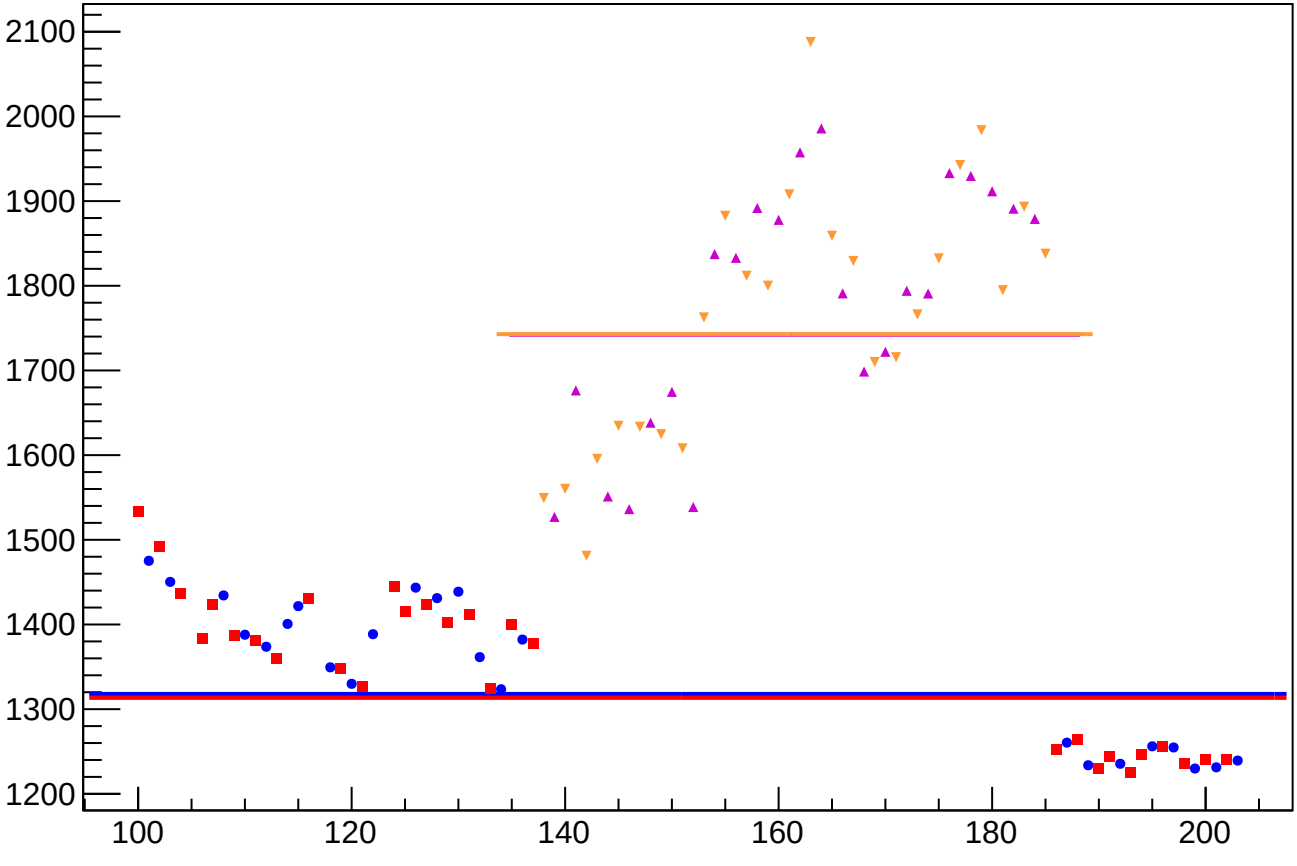
Right: -21.566+/-0.250 χ^2/NDF: 9343.4/52

In: -6.363+/-0.271 χ^2/NDF:17988.2/46

Out: -7.537+/-0.260 χ^2/NDF:3659.3/53

All: -6.975+/-0.188 χ^2/NDF: 21657.3/100

diff_bpm0i02X_rms vs Slug, Sign Corrected



Right In: 1317.999+/-0.257 χ^2/NDF: 110810.1/23

Left Out: 1742.842+/-0.281 χ^2/NDF:263118.4/24

Right Out: 1313.314+/-0.243 χ^2/NDF: 113541.2/28

Left In: 1742.153+/-0.289 χ^2/NDF:261606.6/22

Left: 1742.507+/-0.201 χ^2/NDF: 524727.9/47

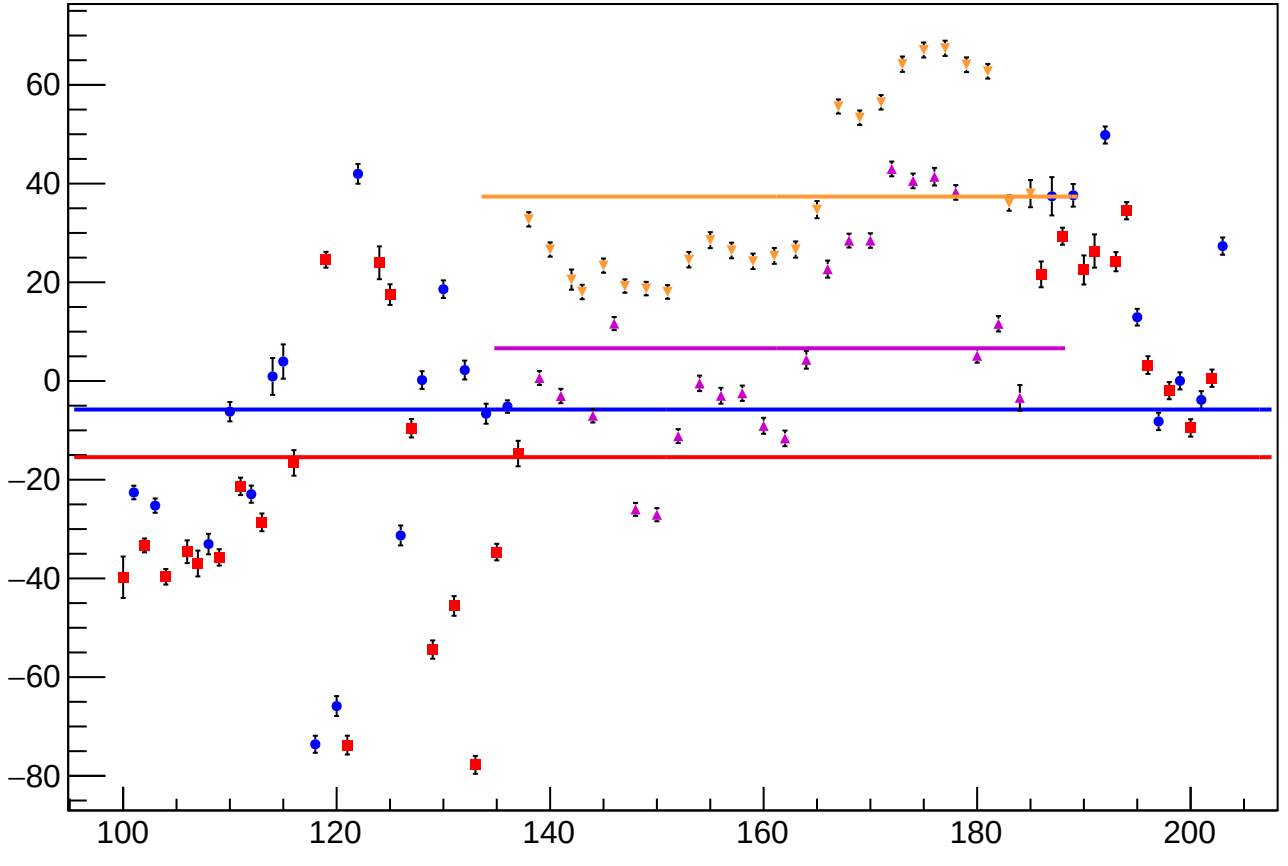
Right: 1315.532+/-0.177 χ^2/NDF: 224526.9/52

In: 1504.991+/-0.192 χ^2/NDF:1576714.3/46

Out: 1497.378+/-0.184 χ^2/NDF:1711815.0/53

All: 1501.024+/-0.133 χ^2/NDF: 3289349.6/10

diff_bpm0i02Y_mean vs Slug, Sign Corrected



Right In: -5.778+/-0.376 χ^2/NDF: 5977.6/23

Left Out: 37.369+/-0.308 χ^2/NDF:3395.8/24

Right Out: -15.430+/-0.362 χ^2/NDF: 7417.3/28

Left In: 6.631+/-0.316 χ^2/NDF:4410.3/22

Left: 22.404+/-0.221 χ^2/NDF: 12659.0/47

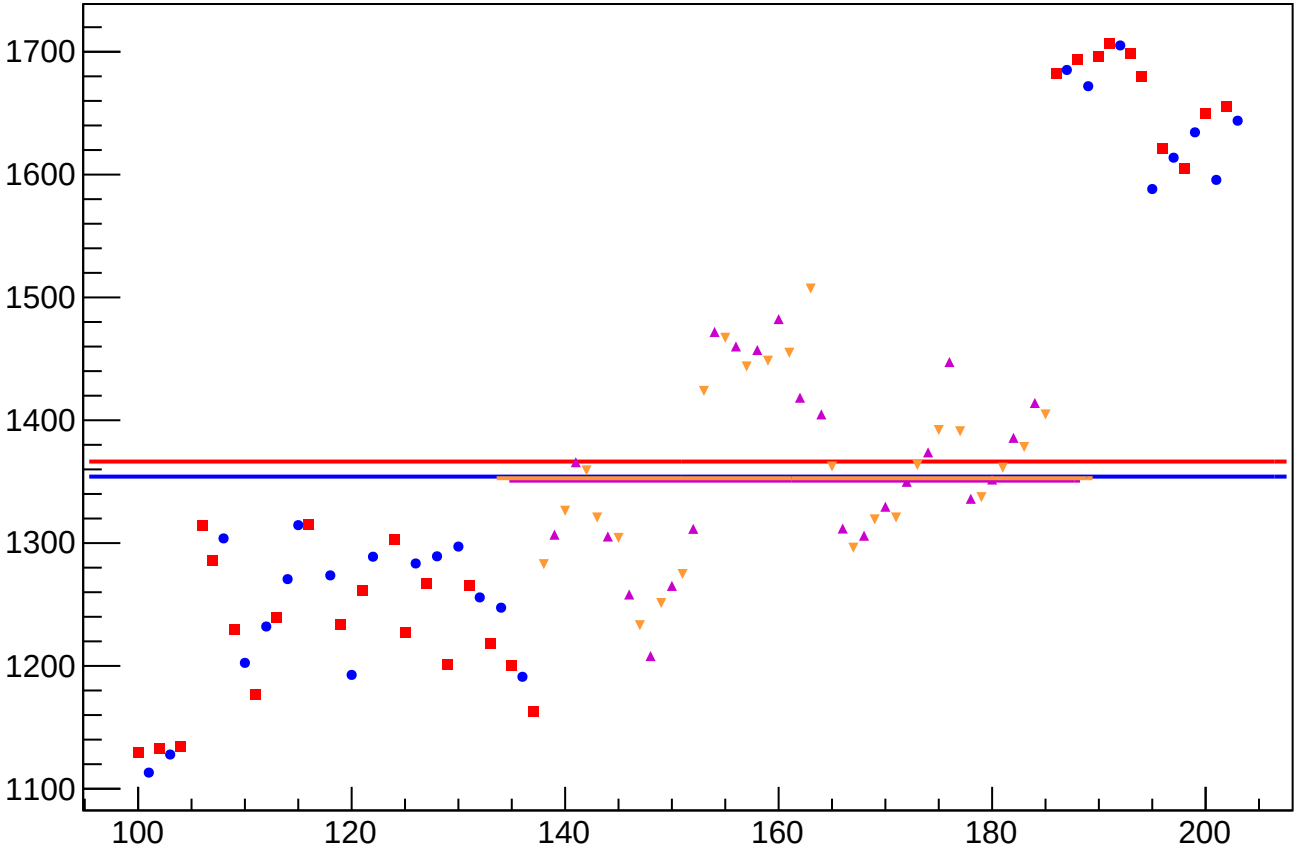
Right: -10.791+/-0.261 χ^2/NDF: 13736.7/52

In: 1.498+/-0.242 χ^2/NDF:11025.6/46

Out: 15.204+/-0.235 χ^2/NDF:23160.0/53

All: 8.567+/-0.168 χ^2/NDF: 35839.9/100

diff_bpm0i02Y_rms vs Slug, Sign Corrected



Right In: 1354.129+/-0.266 χ^2/NDF: 566064.8/23

Left Out: 1352.820+/-0.218 χ^2/NDF:104845.3/24

Right Out: 1366.377+/-0.256 χ^2/NDF: 710708.2/28

Left In: 1350.830+/-0.223 χ^2/NDF:108618.5/22

Left: 1351.851+/-0.156 χ^2/NDF: 213504.5/47

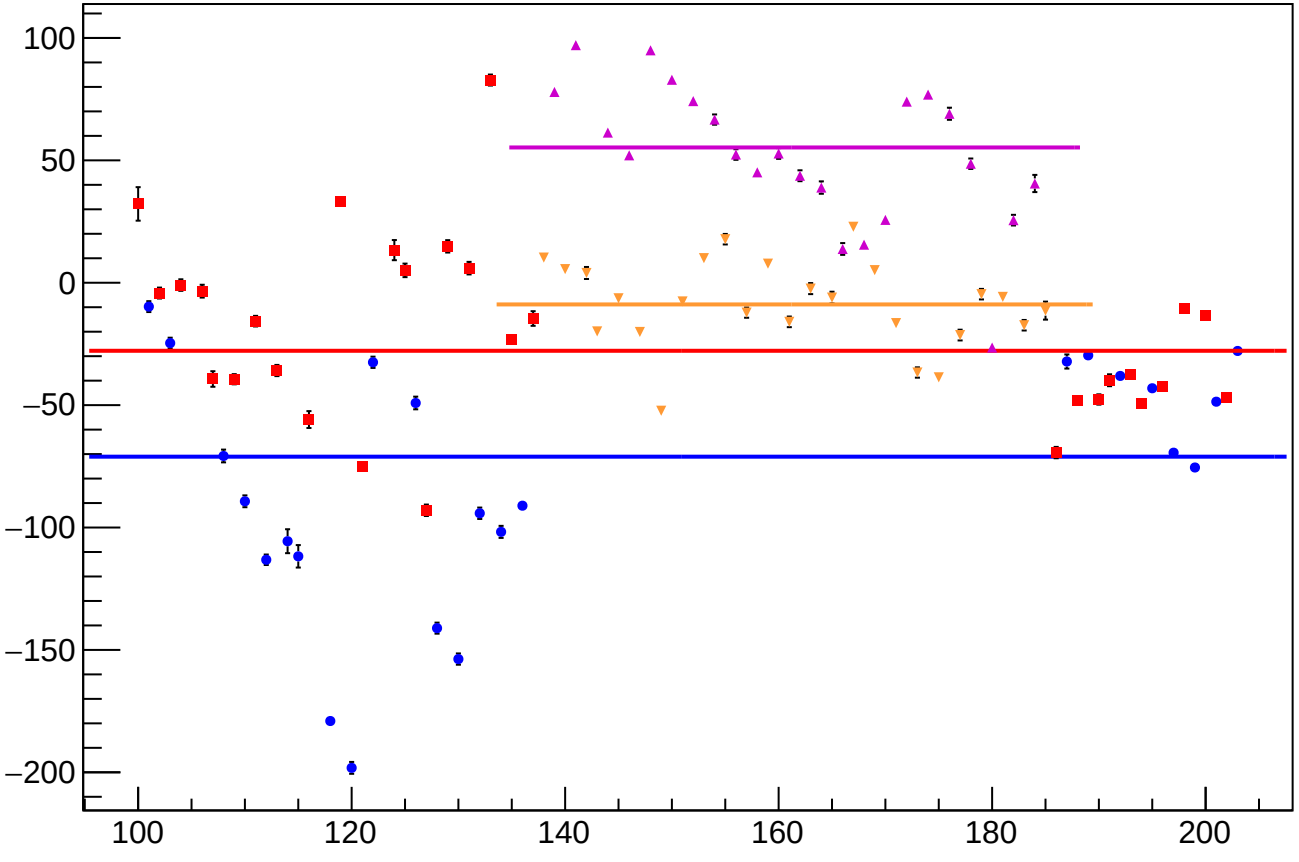
Right: 1360.491+/-0.184 χ^2/NDF: 1277873.6/52

In: 1352.195+/-0.171 χ^2/NDF:674773.4/46

Out: 1358.511+/-0.166 χ^2/NDF:817181.6/53

All: 1355.453+/-0.119 χ^2/NDF: 1492657.6/10

diff_bpm0i02aX_mean vs Slug, Sign Corrected



Right In: -71.054+/-0.401 χ^2/NDF: 13205.9/23

Left Out: -8.859+/-0.407 χ^2/NDF:1953.2/24

Right Out: -27.795+/-0.377 χ^2/NDF: 7405.3/28

Left In: 55.266+/-0.420 χ^2/NDF:4736.1/22

Left: 22.173+/-0.293 χ^2/NDF: 18692.1/47

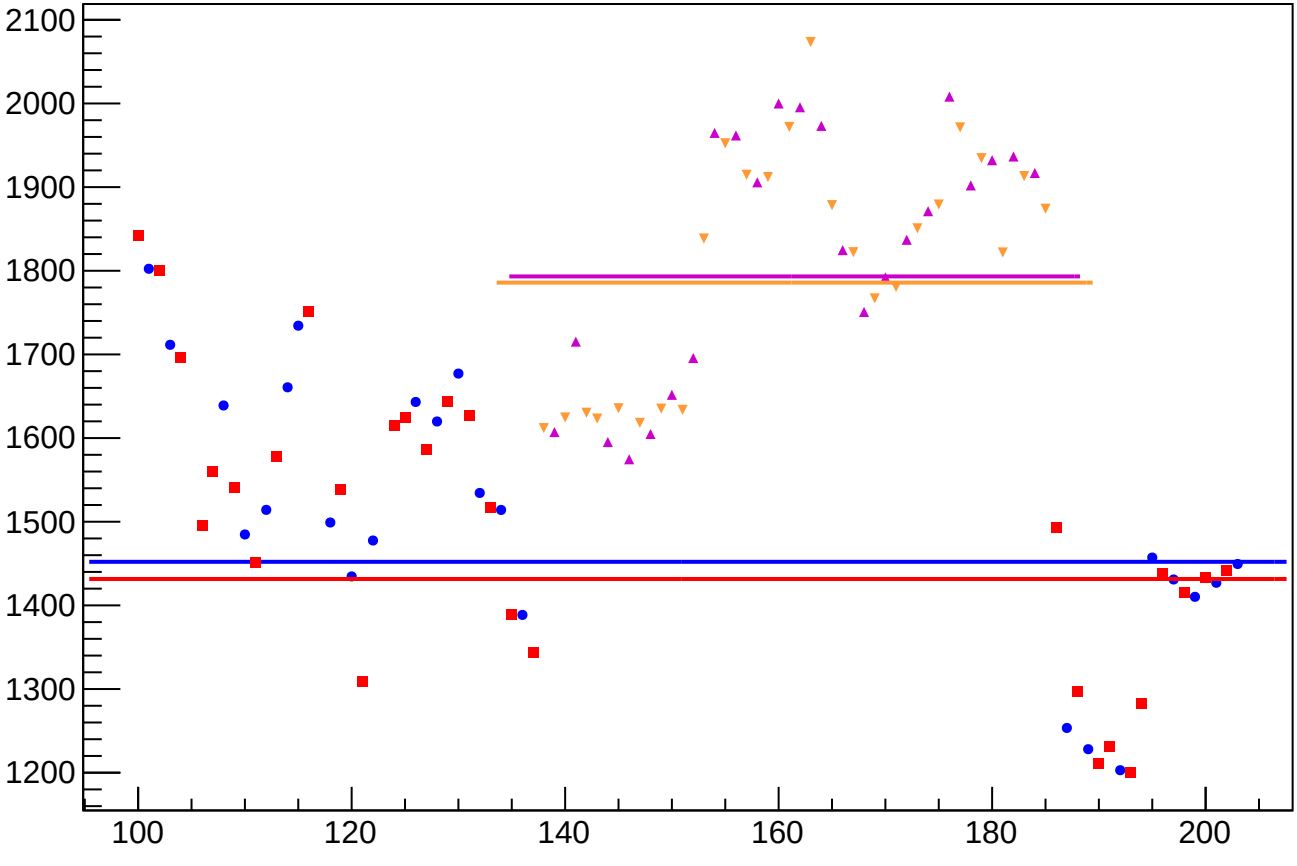
Right: -48.061+/-0.275 χ^2/NDF: 26789.8/52

In: -10.851+/-0.290 χ^2/NDF:65181.3/46

Out: -19.063+/-0.277 χ^2/NDF:10523.8/53

All: -15.156+/-0.200 χ^2/NDF: 76124.6/100

diff_bpm0i02aX_rms vs Slug, Sign Corrected



Right In: 1452.081+/-0.284 χ^2/NDF: 281459.4/23

Left Out: 1785.836+/-0.288 χ^2/NDF:237239.4/24

Right Out: 1431.551+/-0.266 χ^2/NDF: 329927.2/28

Left In: 1793.249+/-0.297 χ^2/NDF:252788.2/22

Left: 1789.423+/-0.207 χ^2/NDF: 490348.4/47

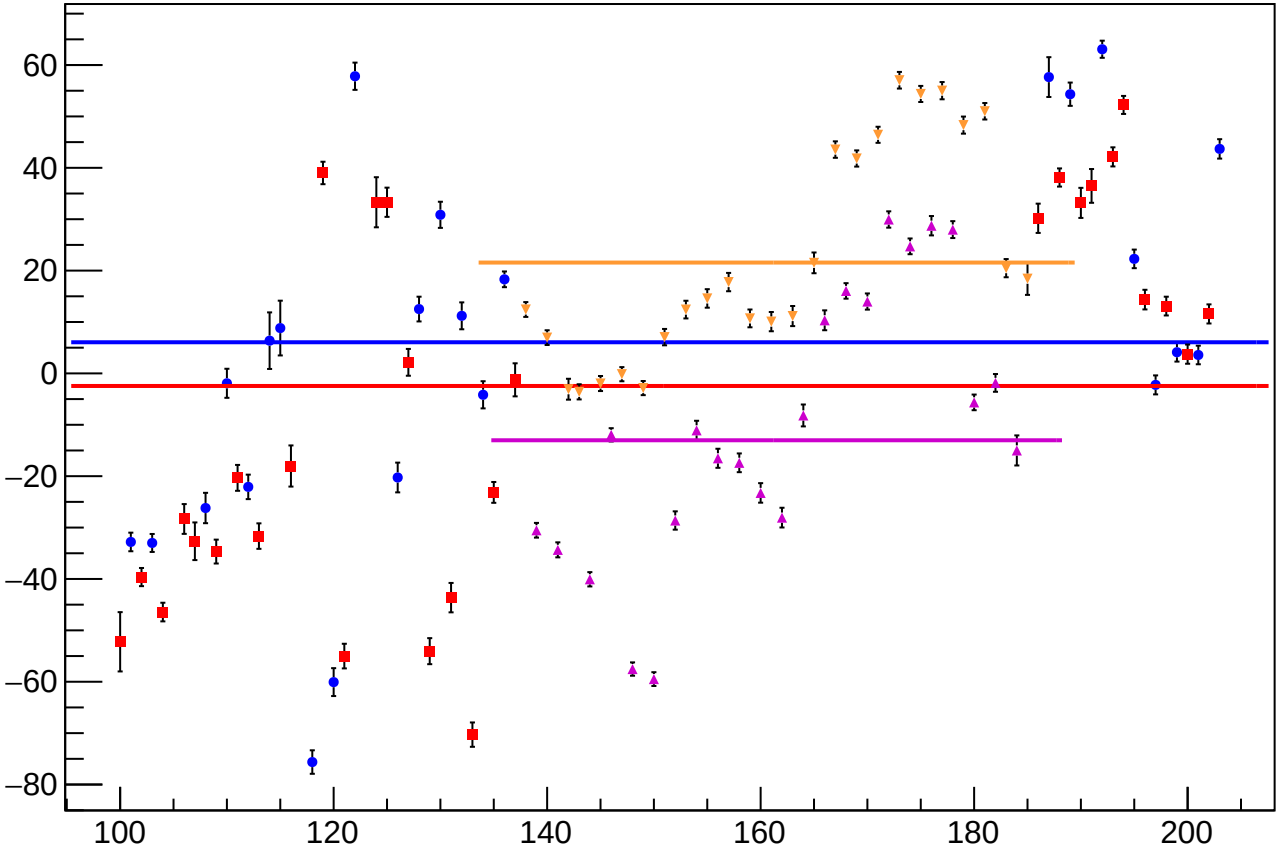
Right: 1441.169+/-0.194 χ^2/NDF: 614169.8/52

In: 1614.678+/-0.205 χ^2/NDF:1223411.9/46

Out: 1594.932+/-0.196 χ^2/NDF:1383056.7/53

All: 1604.325+/-0.142 χ^2/NDF: 2611320.7/10

diff_bpm0i02aY_mean vs Slug, Sign Corrected



Right In: 6.058+/-0.454 χ^2/NDF: 6047.6/23

Left Out: 21.567+/-0.330 χ^2/NDF:4160.8/24

Right Out: -2.448+/-0.433 χ^2/NDF: 6964.7/28

Left In: -13.014+/-0.340 χ^2/NDF:6627.2/22

Left: 4.798+/-0.237 χ^2/NDF: 16115.3/47

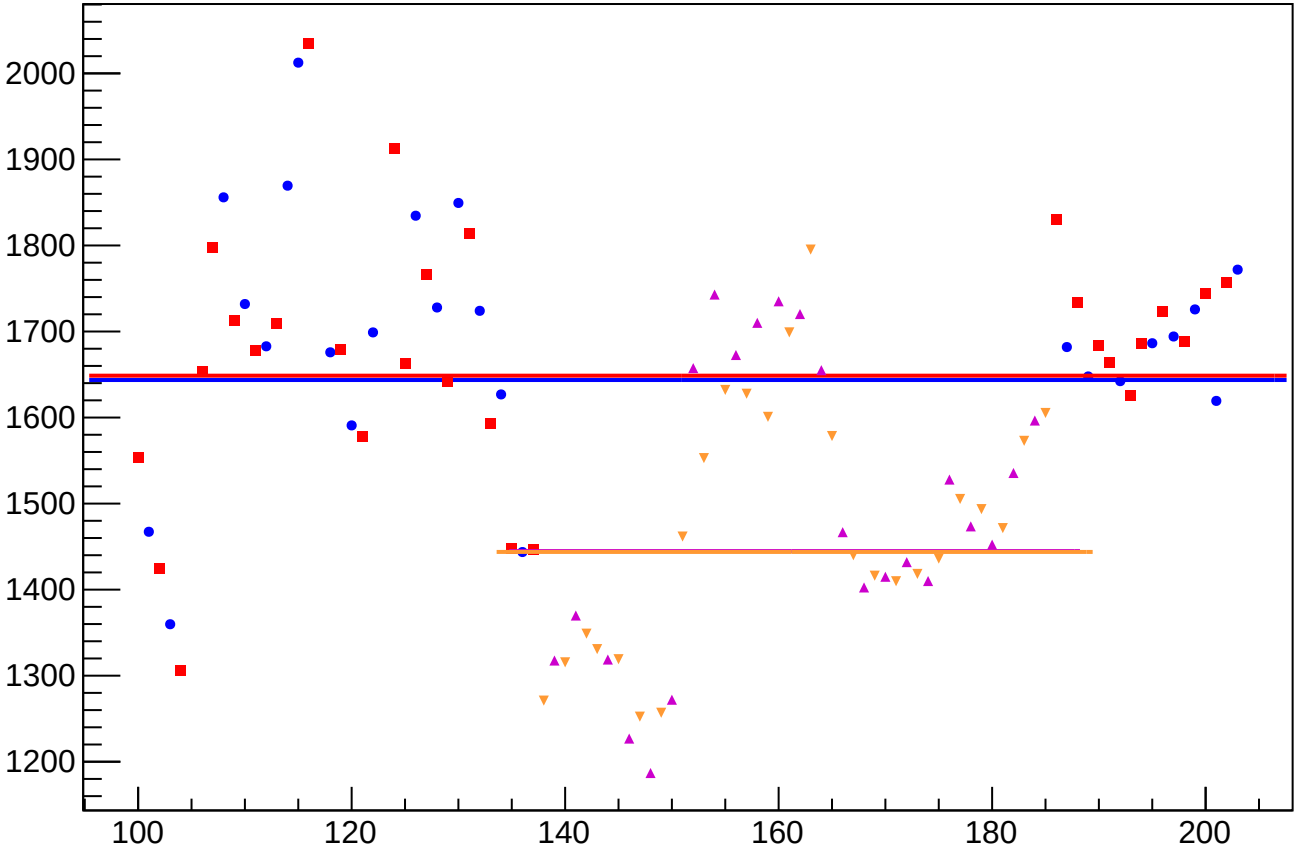
Right: 1.608+/-0.313 χ^2/NDF: 13196.0/52

In: -6.157+/-0.272 χ^2/NDF:13805.8/46

Out: 12.753+/-0.262 χ^2/NDF:13070.0/53

All: 3.639+/-0.189 χ^2/NDF: 29377.3/100

diff_bpm0i02aY_rms vs Slug, Sign Corrected



Right In: 1643.614+/-0.321 χ^2/NDF: 176270.8/23

Left Out: 1443.826+/-0.233 χ^2/NDF:352397.9/24

Right Out: 1648.673+/-0.306 χ^2/NDF: 207040.6/28

Left In: 1444.817+/-0.240 χ^2/NDF:485230.7/22

Left: 1444.307+/-0.167 χ^2/NDF: 837637.3/47

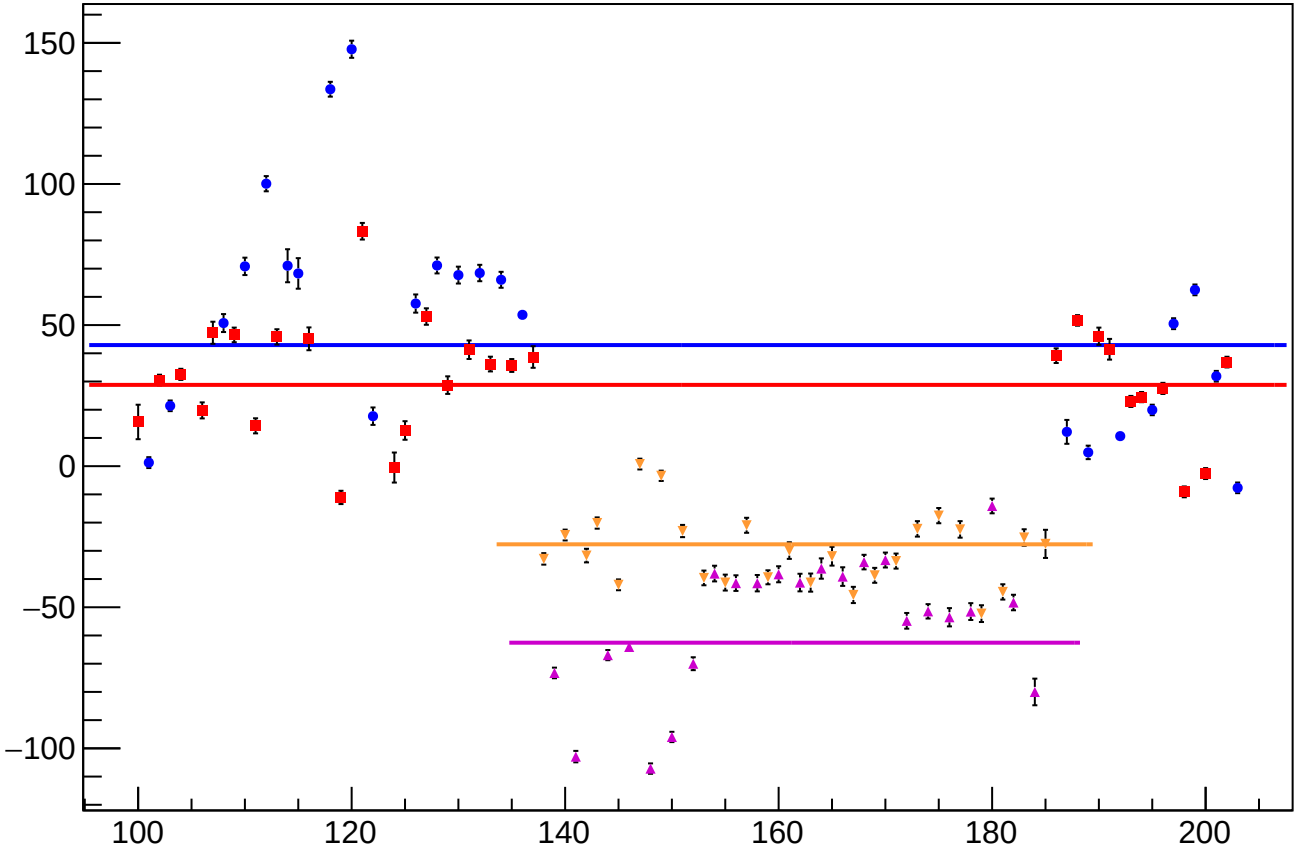
Right: 1646.261+/-0.222 χ^2/NDF: 383441.4/52

In: 1516.285+/-0.192 χ^2/NDF:907260.9/46

Out: 1519.007+/-0.186 χ^2/NDF:842417.2/53

All: 1517.695+/-0.134 χ^2/NDF: 1749781.8/10

diff_bpm0i05X_mean vs Slug, Sign Corrected



Right In: 42.916+/-0.491 χ^2/NDF: 5657.3/23

Left Out: -27.692+/-0.496 χ^2/NDF:766.1/24

Right Out: 28.806+/-0.465 χ^2/NDF: 1854.7/28

Left In: -62.558+/-0.512 χ^2/NDF:2458.2/22

Left: -44.581+/-0.356 χ^2/NDF: 5617.4/47

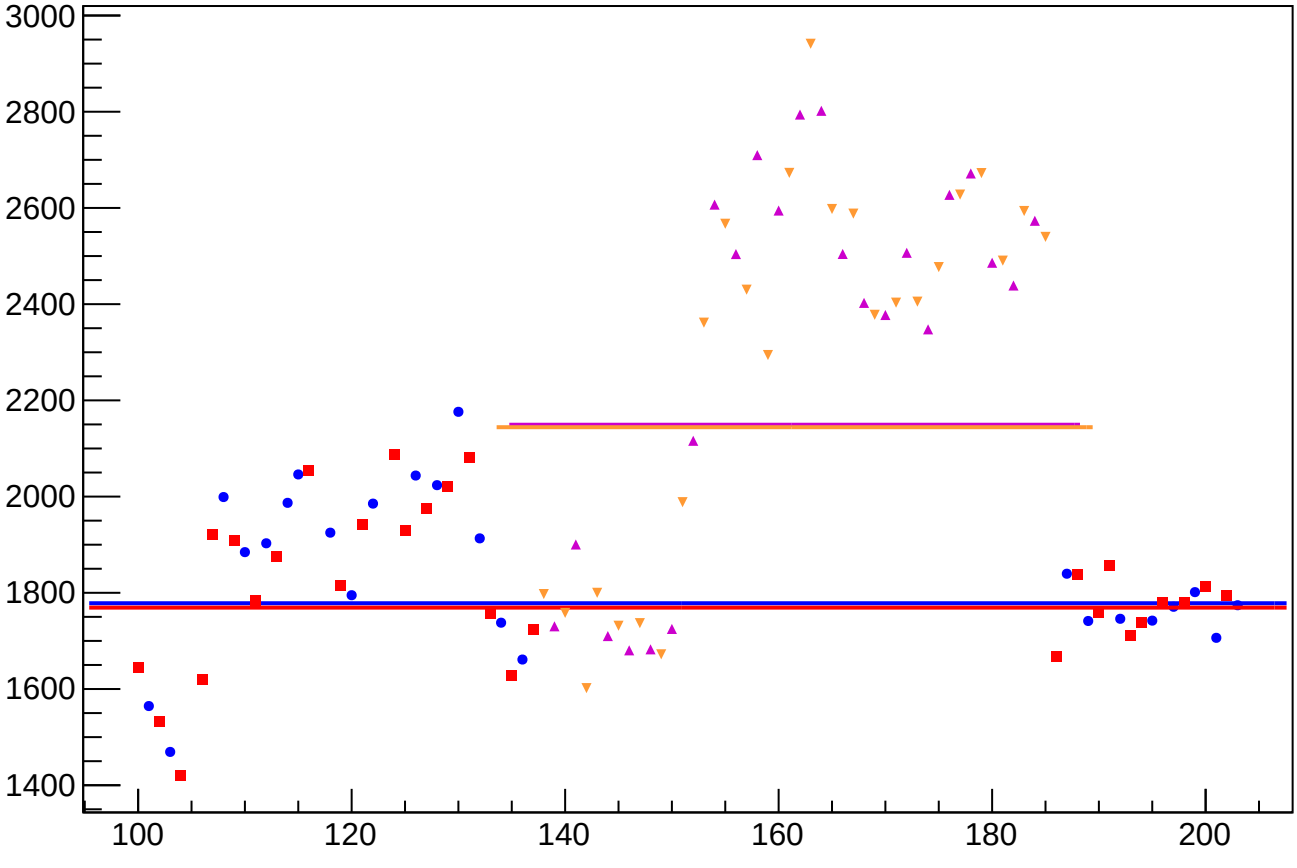
Right: 35.472+/-0.338 χ^2/NDF: 7947.6/52

In: -7.644+/-0.354 χ^2/NDF:30231.5/46

Out: 2.397+/-0.339 χ^2/NDF:9530.0/53

All: -2.404+/-0.245 χ^2/NDF: 40180.6/100

diff_bpm0i05X_rms vs Slug, Sign Corrected



Right In: 1778.300+/-0.347 χ^2/NDF: 200148.2/23

Left Out: 2144.219+/-0.351 χ^2/NDF:1279852.9/24

Right Out: 1769.234+/-0.329 χ^2/NDF: 200743.6/28

Left In: 2149.354+/-0.362 χ^2/NDF:1265722.5/22

Left: 2146.707+/-0.252 χ^2/NDF: 2545679.2/47

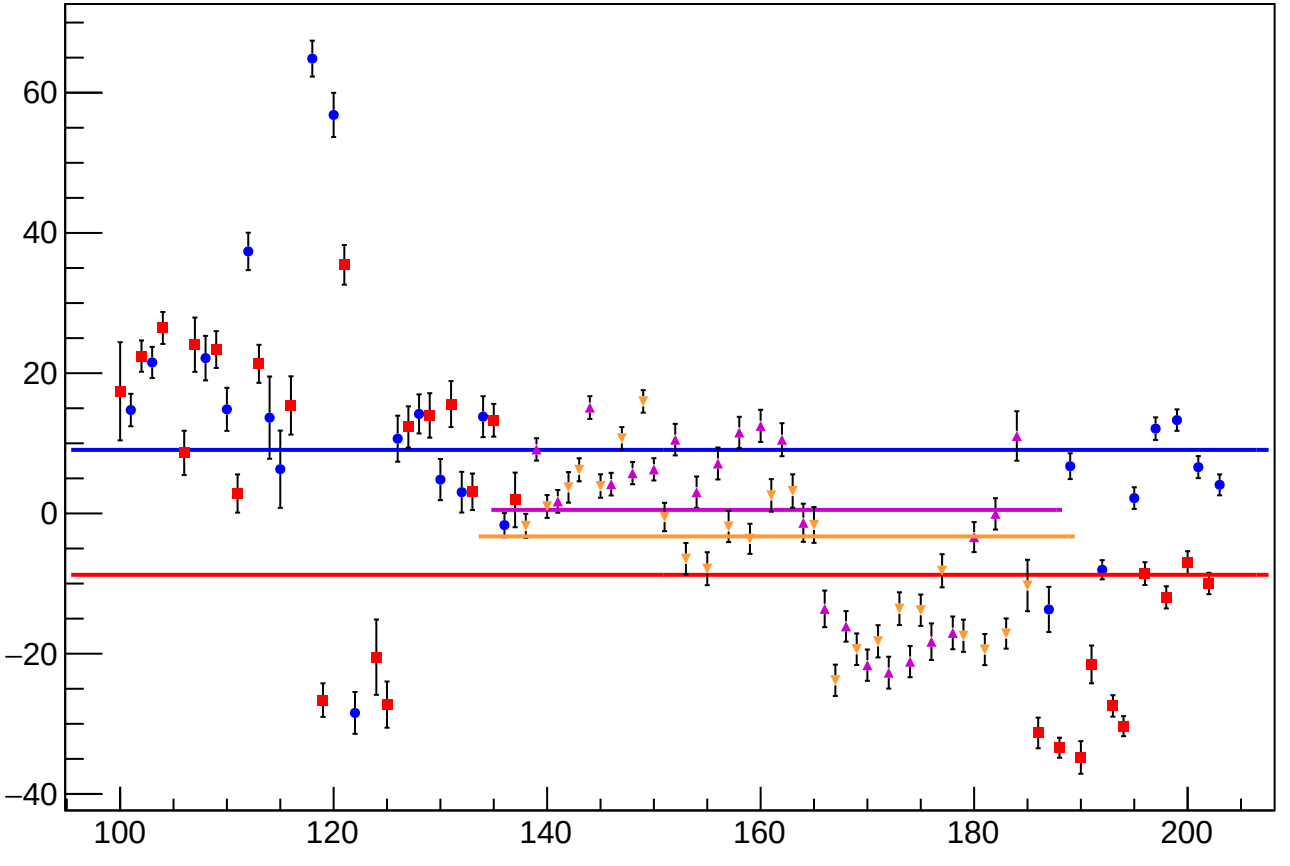
Right: 1773.517+/-0.239 χ^2/NDF: 401251.5/52

In: 1956.168+/-0.251 χ^2/NDF:2013301.3/46

Out: 1944.512+/-0.240 χ^2/NDF:2089328.5/53

All: 1950.085+/-0.173 χ^2/NDF: 4103759.5/10

diff_bpm0i05Y_mean vs Slug, Sign Corrected



Right In: 9.065+/-0.443 χ^2/NDF: 1337.2/23

Left Out: -3.275+/-0.415 χ^2/NDF:671.1/24

Right Out: -8.750+/-0.418 χ^2/NDF: 2419.8/28

Left In: 0.511+/-0.430 χ^2/NDF:745.8/22

Left: -1.450+/-0.298 χ^2/NDF: 1457.1/47

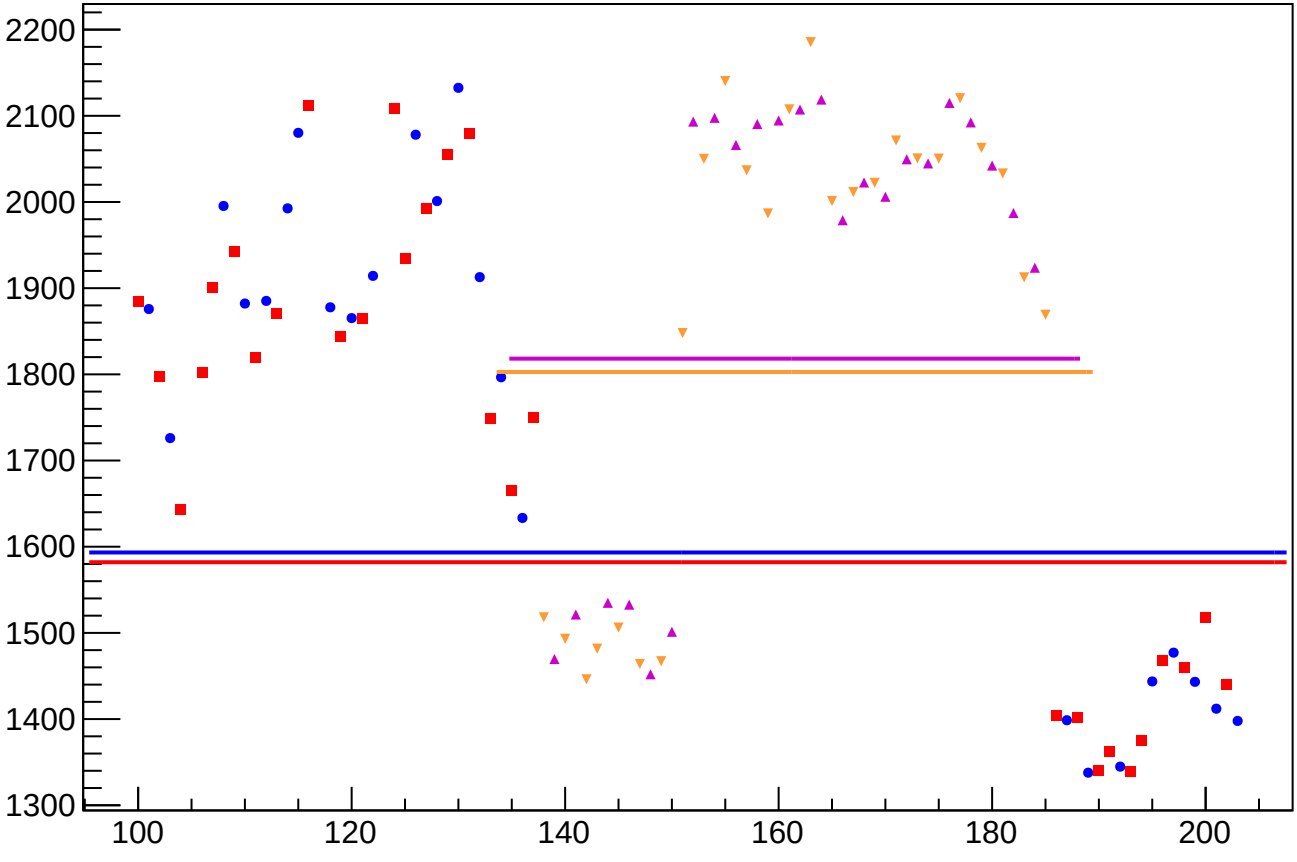
Right: -0.357+/-0.304 χ^2/NDF: 4611.2/52

In: 4.655+/-0.309 χ^2/NDF:2275.0/46

Out: -5.988+/-0.295 χ^2/NDF:3177.3/53

All: -0.914+/-0.213 χ^2/NDF: 6074.9/100

diff_bpm0i05Y_rms vs Slug, Sign Corrected



Right In: 1593.325+/-0.313 χ^2/NDF: 609184.0/23

Left Out: 1802.748+/-0.293 χ^2/NDF:897375.1/24

Right Out: 1582.005+/-0.296 χ^2/NDF: 599093.8/28

Left In: 1818.225+/-0.304 χ^2/NDF:840353.0/22

Left: 1810.209+/-0.211 χ^2/NDF: 1739071.4/47

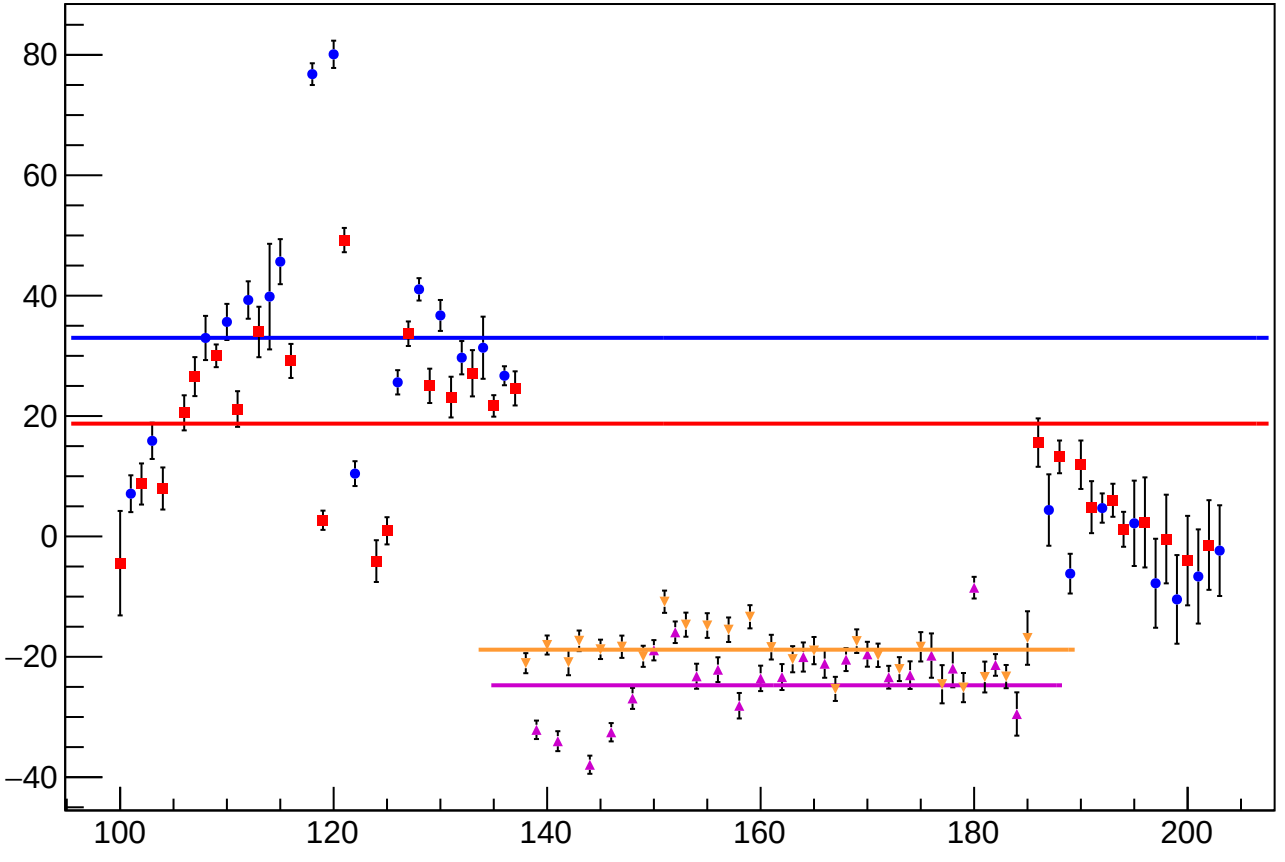
Right: 1587.339+/-0.215 χ^2/NDF: 1208967.4/52

In: 1709.252+/-0.218 χ^2/NDF:1714903.1/46

Out: 1693.374+/-0.208 χ^2/NDF:1777328.2/53

All: 1700.944+/-0.151 χ^2/NDF: 3495002.4/10

diff_bpm0i07X_mean vs Slug, Sign Corrected



Right In: 32.993+/-0.581 χ^2/NDF: 1742.5/23

Left Out: -18.816+/-0.402 χ^2/NDF:74.9/24

Right Out: 18.738+/-0.536 χ^2/NDF: 705.7/28

Left In: -24.731+/-0.409 χ^2/NDF:308.0/22

Left: -21.723+/-0.287 χ^2/NDF: 489.4/47

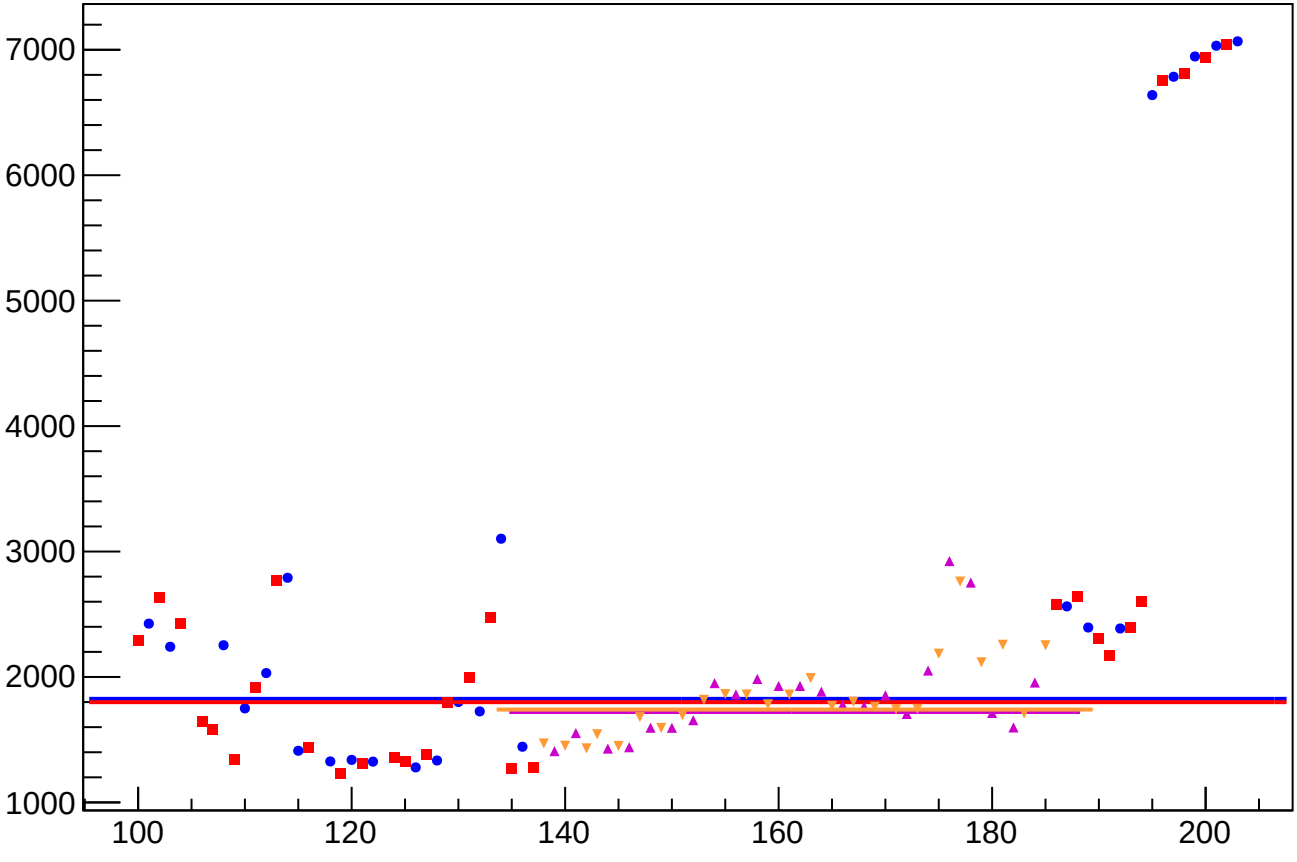
Right: 25.291+/-0.394 χ^2/NDF: 2773.4/52

In: -5.622+/-0.334 χ^2/NDF:8651.9/46

Out: -5.300+/-0.322 χ^2/NDF:3922.7/53

All: -5.455+/-0.232 χ^2/NDF: 12575.0/100

diff_bpm0i07X_rms vs Slug, Sign Corrected



Right In: 1825.579+/-0.411 χ^2/NDF: 5929440.9/23

Left Out: 1740.089+/-0.284 χ^2/NDF:753377.5/24

Right Out: 1799.210+/-0.379 χ^2/NDF: 5667232.6/28

Left In: 1720.864+/-0.289 χ^2/NDF:883990.4/22

Left: 1730.639+/-0.203 χ^2/NDF: 1639617.2/47

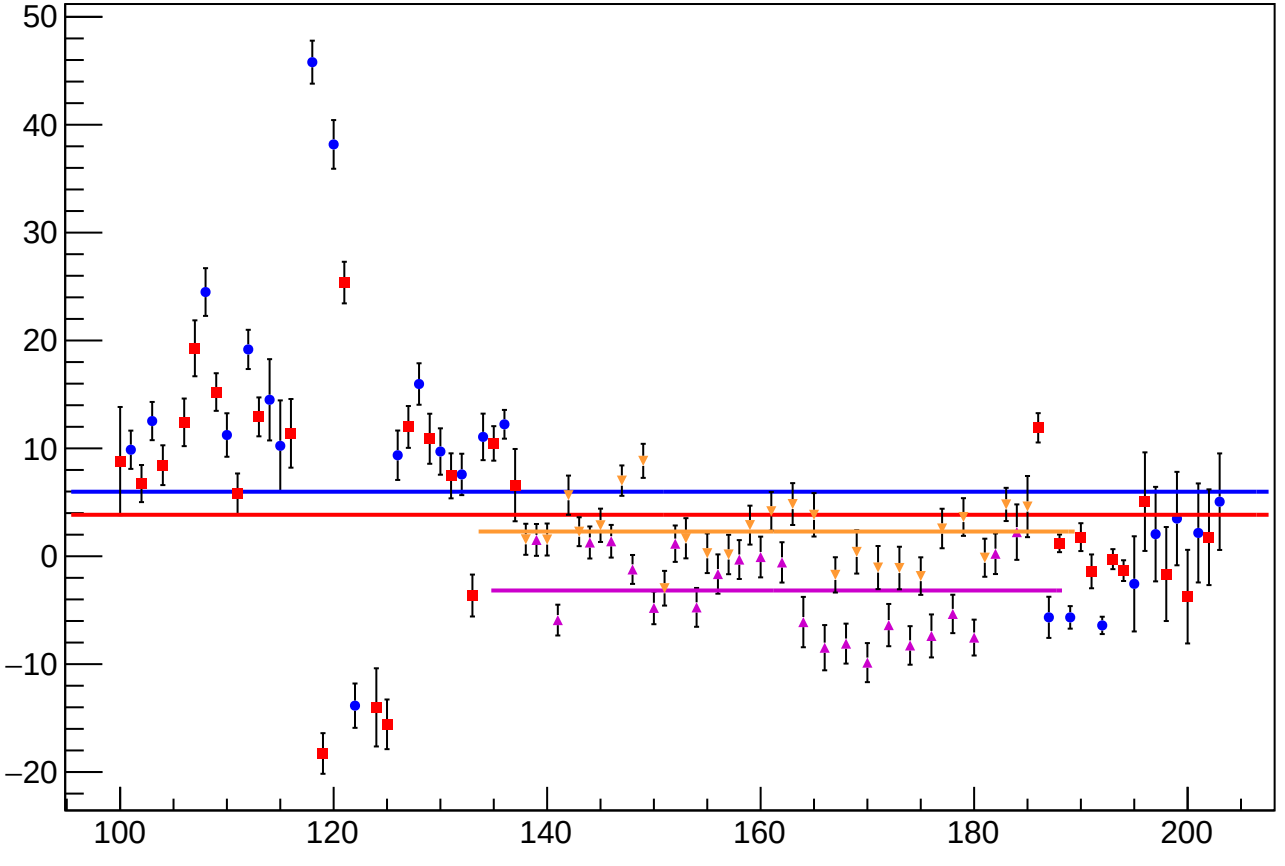
Right: 1811.331+/-0.279 χ^2/NDF: 11598898.6/52

In: 1755.528+/-0.236 χ^2/NDF:6856877.5/46

Out: 1761.367+/-0.227 χ^2/NDF:6436184.9/53

All: 1758.562+/-0.164 χ^2/NDF: 13293379.3/1

diff_bpm0i07Y_mean vs Slug, Sign Corrected



Right In: 5.983+/-0.380 χ^2/NDF: 1315.7/23

Left Out: 2.293+/-0.343 χ^2/NDF:73.5/24

Right Out: 3.845+/-0.320 χ^2/NDF: 668.8/28

Left In: -3.173+/-0.362 χ^2/NDF:110.4/22

Left: -0.293+/-0.249 χ^2/NDF: 303.7/47

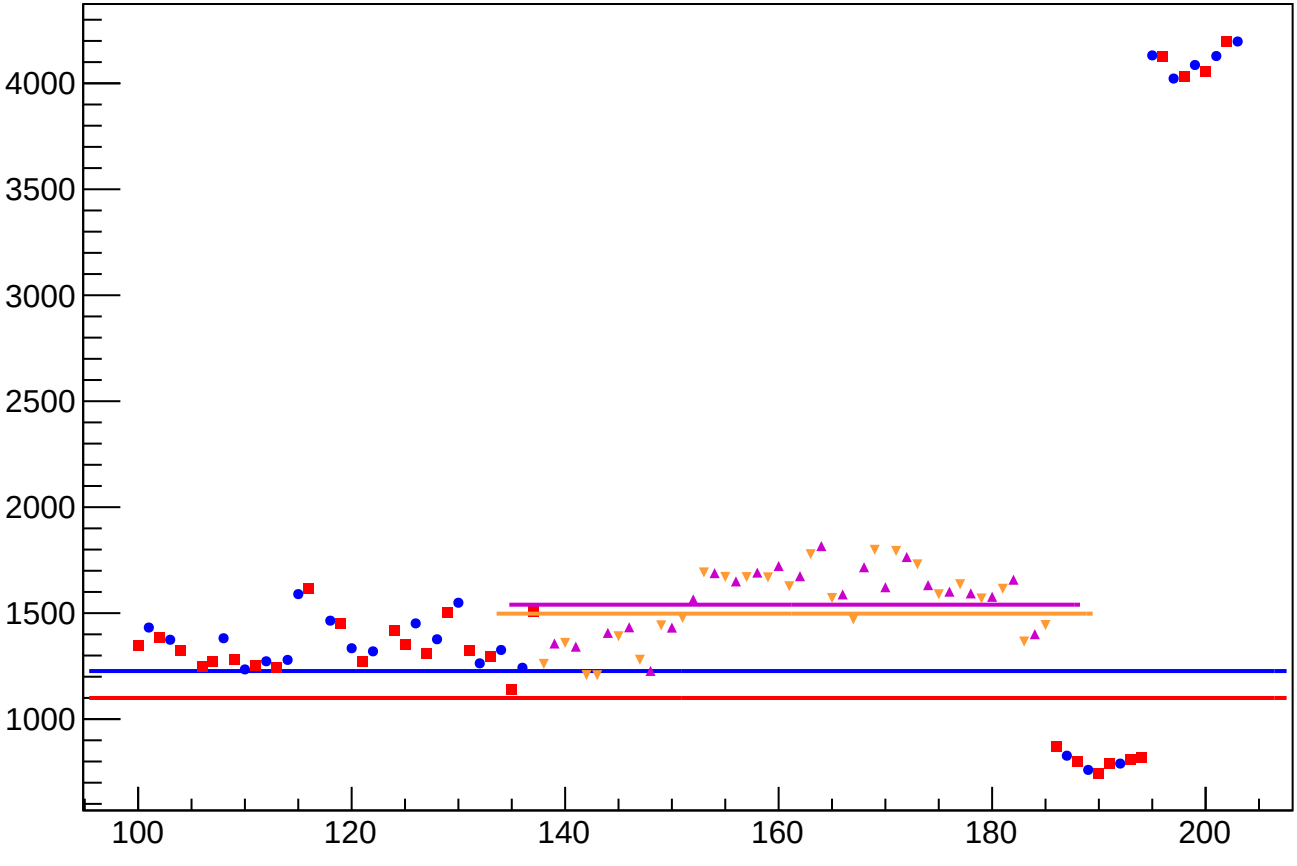
Right: 4.731+/-0.245 χ^2/NDF: 2003.0/52

In: 1.188+/-0.262 χ^2/NDF:1730.0/46

Out: 3.124+/-0.234 χ^2/NDF:753.2/53

All: 2.266+/-0.175 χ^2/NDF: 2513.5/100

diff_bpm0i07Y_rms vs Slug, Sign Corrected



Right In: 1226.770+/-0.269 χ^2/NDF: 5498947.0/23

Left Out: 1497.713+/-0.243 χ^2/NDF:568629.4/24

Right Out: 1099.721+/-0.226 χ^2/NDF: 5092726.7/28

Left In: 1539.884+/-0.256 χ^2/NDF:380330.7/22

Left: 1517.667+/-0.176 χ^2/NDF: 963225.2/47

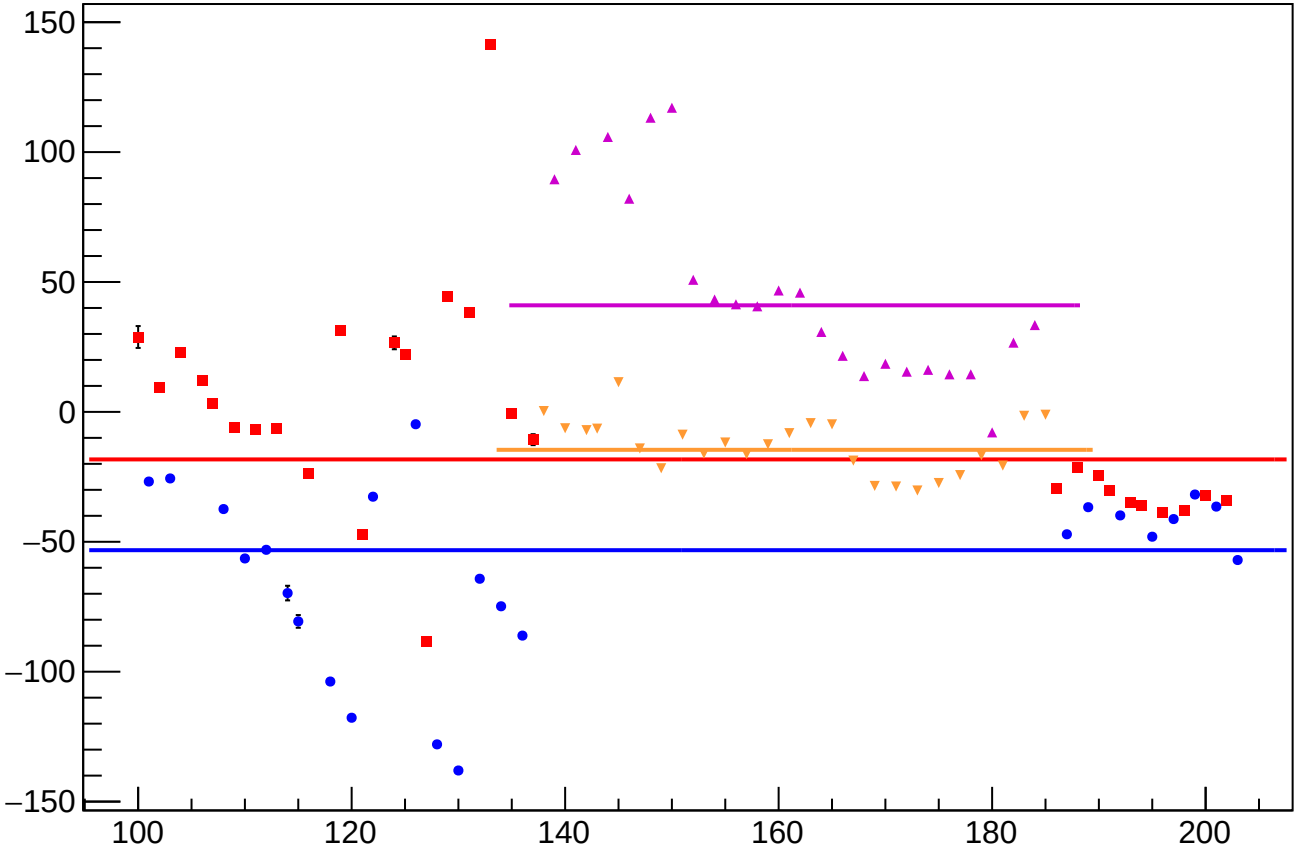
Right: 1152.406+/-0.173 χ^2/NDF: 10722517.0/52

In: 1390.737+/-0.185 χ^2/NDF:6590299.5/46

Out: 1284.572+/-0.166 χ^2/NDF:7099453.7/53

All: 1331.643+/-0.123 χ^2/NDF: 13872159.1/1

diff_bpm1i02X_mean vs Slug, Sign Corrected



Right In: -53.232+/-0.211 χ^2/NDF: 17756.7/23

Left Out: -14.597+/-0.183 χ^2/NDF:3159.3/24

Right Out: -18.291+/-0.199 χ^2/NDF: 29818.4/28

Left In: 41.021+/-0.190 χ^2/NDF:31066.6/22

Left: 12.192+/-0.132 χ^2/NDF: 78745.1/47

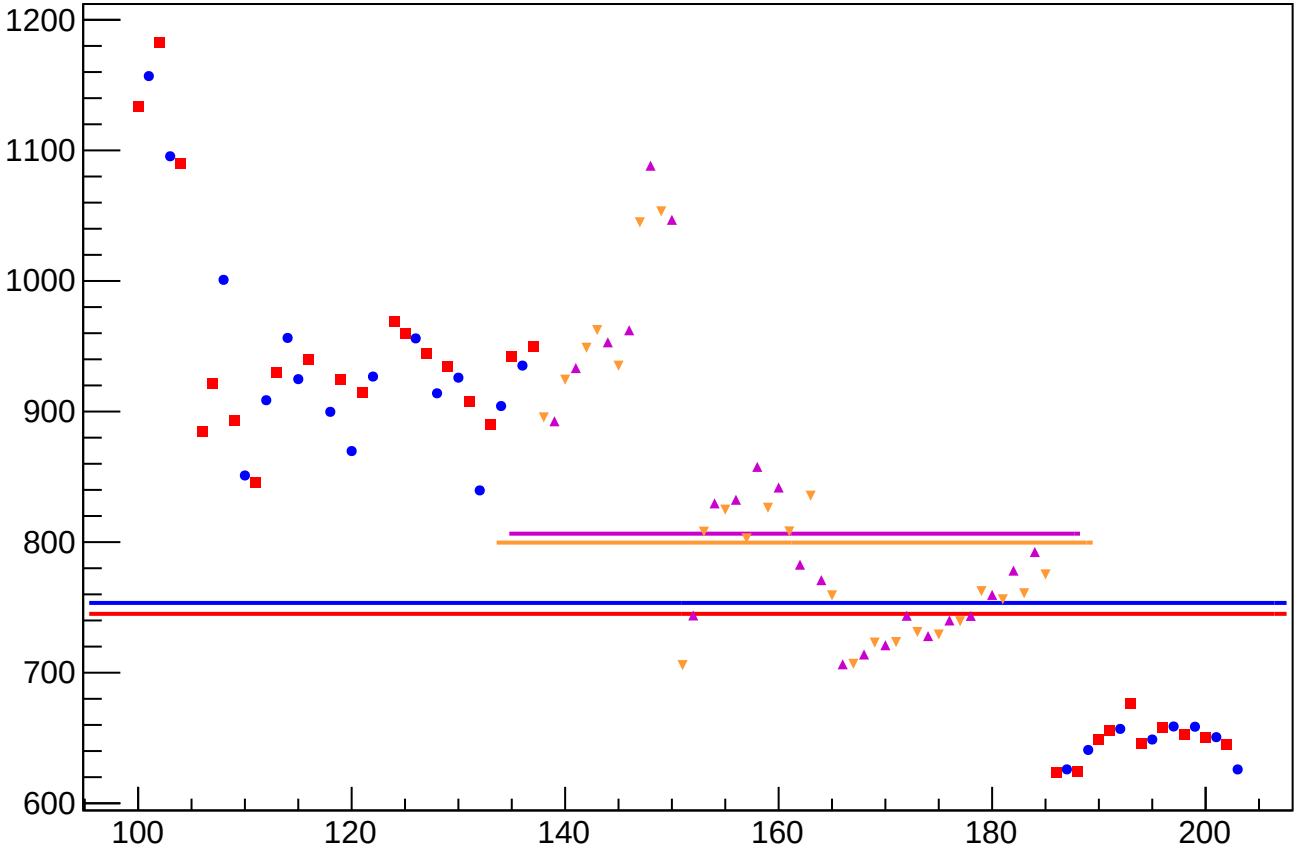
Right: -34.703+/-0.145 χ^2/NDF: 62113.1/52

In: -1.123+/-0.141 χ^2/NDF:159111.6/46

Out: -16.293+/-0.135 χ^2/NDF:33164.8/53

All: -9.068+/-0.097 χ^2/NDF: 198329.7/100

diff_bpm1i02X_rms vs Slug, Sign Corrected



Right In: 753.440+/-0.149 χ^2/NDF: 978247.8/23

Left Out: 799.639+/-0.129 χ^2/NDF:497430.7/24

Right Out: 745.071+/-0.140 χ^2/NDF: 1080107.3/28

Left In: 806.478+/-0.134 χ^2/NDF:511294.8/22

Left: 802.933+/-0.093 χ^2/NDF: 1010071.7/47

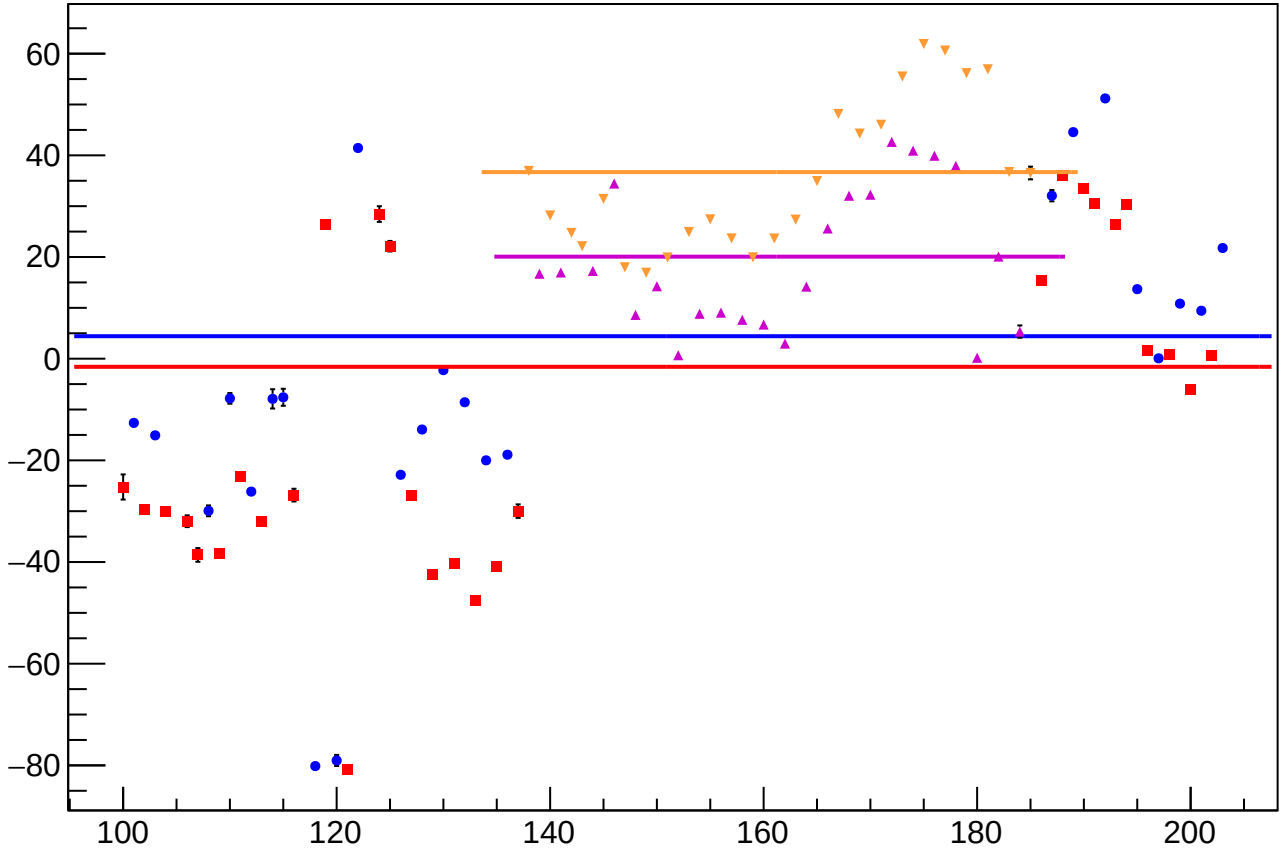
Right: 749.002+/-0.102 χ^2/NDF: 2060023.4/52

In: 782.763+/-0.100 χ^2/NDF:1559389.0/46

Out: 774.591+/-0.095 χ^2/NDF:1659218.2/53

All: 778.483+/-0.069 χ^2/NDF: 3222120.6/100

diff_bpm1i02Y_mean vs Slug, Sign Corrected



Right In: 4.421+/-0.152 χ^2/NDF: 39158.1/23

Left Out: 36.705+/-0.145 χ^2/NDF:10231.1/24

Right Out: -1.600+/-0.143 χ^2/NDF: 42968.7/28

Left In: 20.069+/-0.151 χ^2/NDF:8560.6/22

Left: 28.712+/-0.105 χ^2/NDF: 25078.0/47

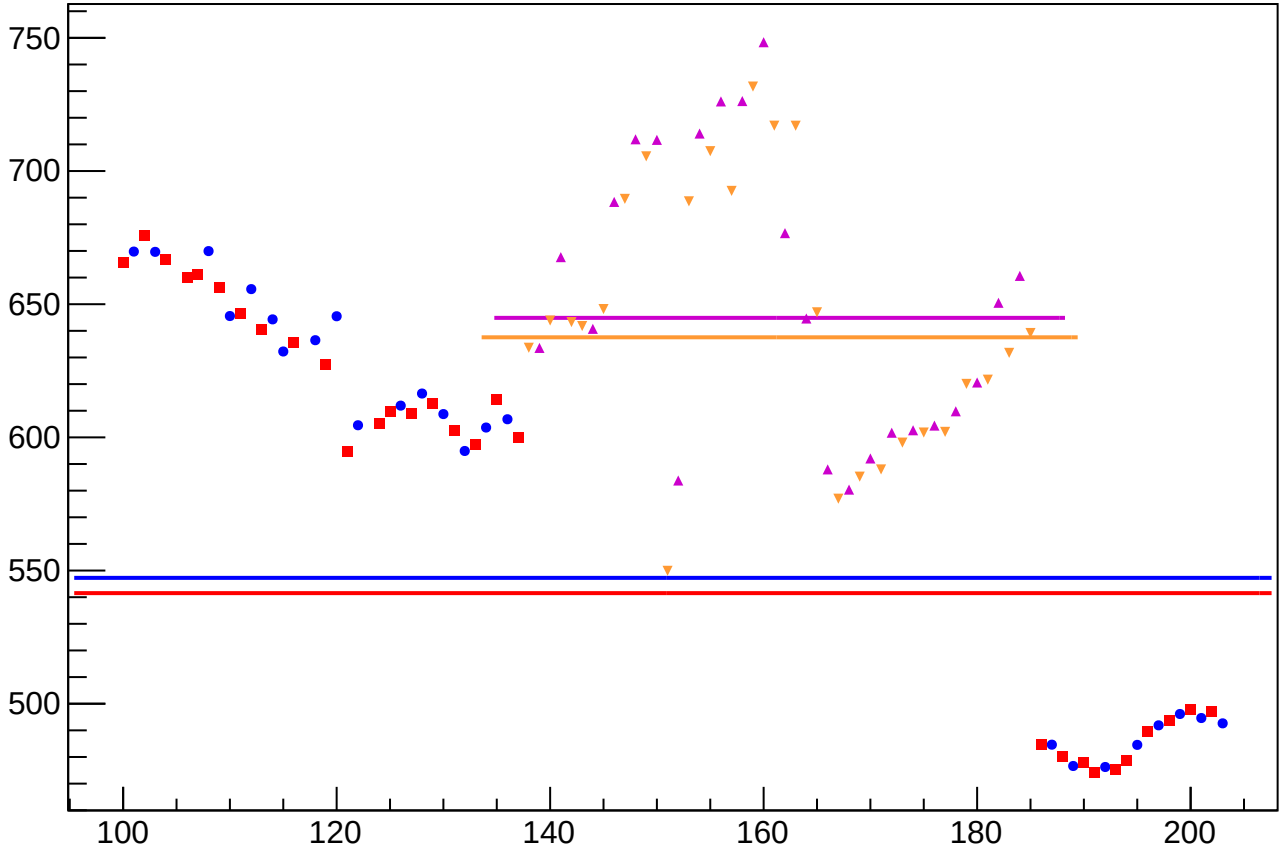
Right: 1.230+/-0.104 χ^2/NDF: 82961.6/52

In: 12.269+/-0.107 χ^2/NDF:53055.5/46

Out: 17.212+/-0.102 χ^2/NDF:88503.9/53

All: 14.863+/-0.074 χ^2/NDF: 142677.4/100

diff_bpm1i02Y_rms vs Slug, Sign Corrected



Right In: 547.255+/-0.107 χ^2/NDF: 455707.6/23

Left Out: 637.569+/-0.103 χ^2/NDF:236539.6/24

Right Out: 541.522+/-0.101 χ^2/NDF: 508301.1/28

Left In: 644.873+/-0.107 χ^2/NDF:229560.3/22

Left: 641.078+/-0.074 χ^2/NDF: 468523.1/47

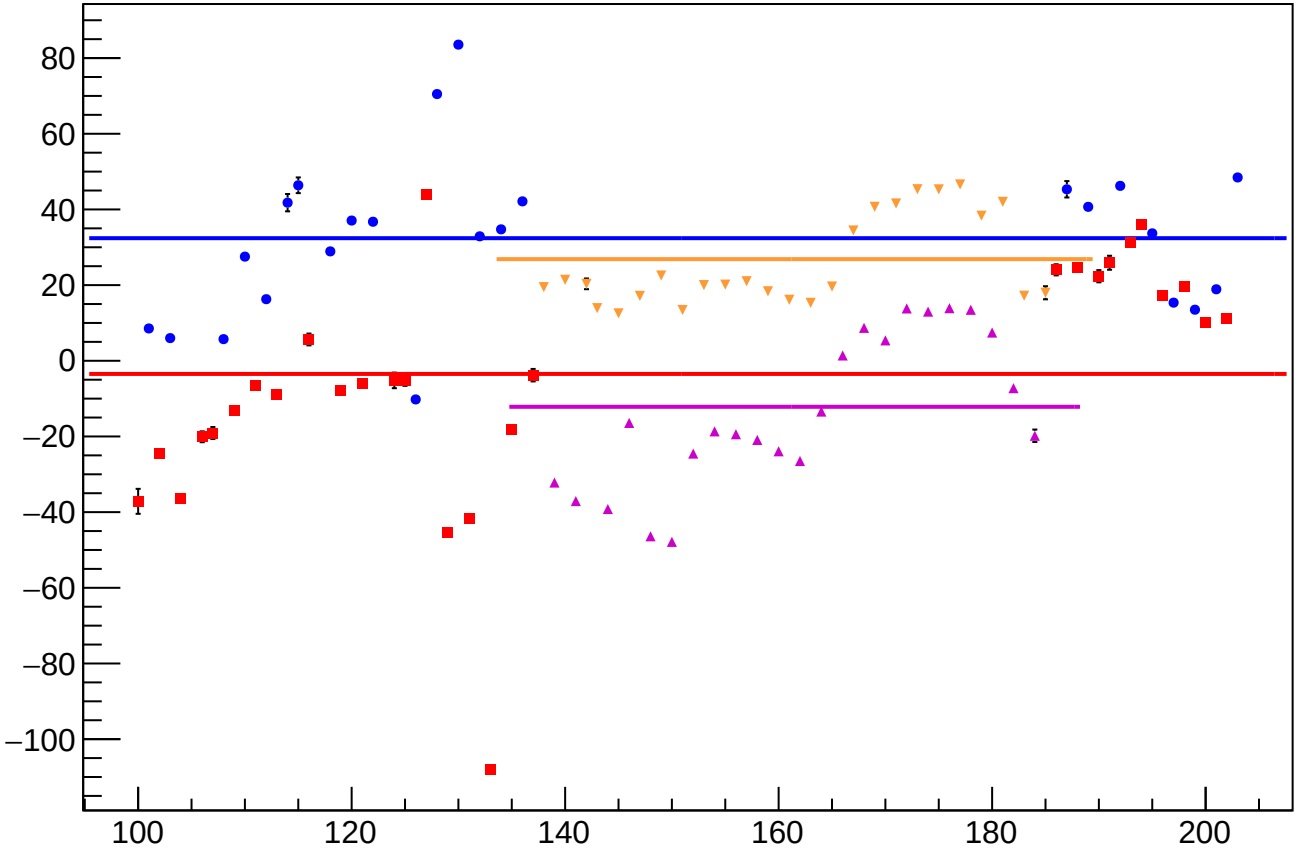
Right: 544.217+/-0.074 χ^2/NDF: 965522.8/52

In: 596.211+/-0.076 χ^2/NDF:1100640.9/46

Out: 588.692+/-0.072 χ^2/NDF:1188791.6/53

All: 592.265+/-0.052 χ^2/NDF: 2294605.6/100

diff_bpm1i04X_mean vs Slug, Sign Corrected



Right In: 32.402+/-0.231 χ^2/NDF: 8057.7/23

Left Out: 26.866+/-0.207 χ^2/NDF:3390.4/24

Right Out: -3.474+/-0.222 χ^2/NDF: 21072.2/28

Left In: -12.159+/-0.214 χ^2/NDF:8547.0/22

Left: 8.004+/-0.149 χ^2/NDF: 29170.3/47

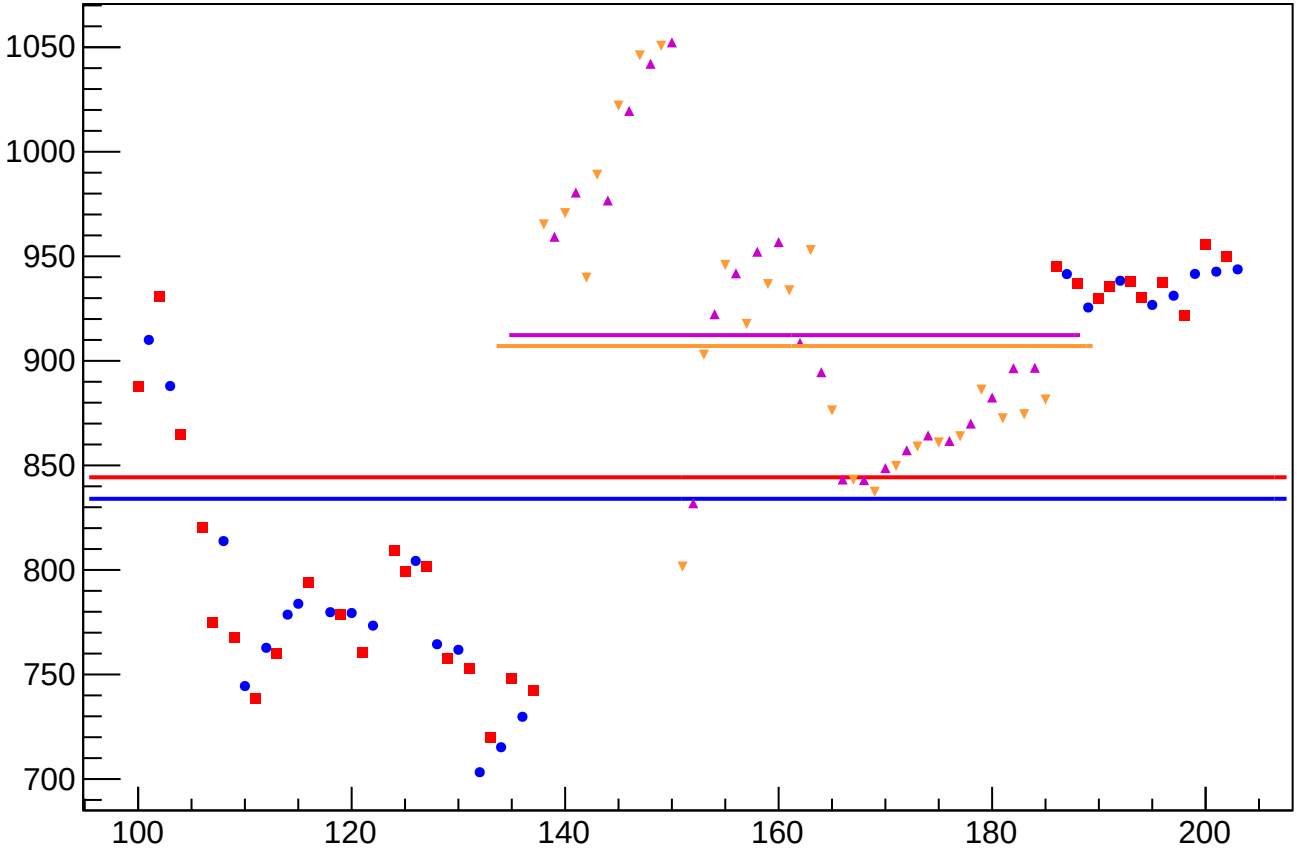
Right: 13.787+/-0.160 χ^2/NDF: 41695.7/52

In: 8.433+/-0.157 χ^2/NDF:36700.8/46

Out: 12.779+/-0.151 χ^2/NDF:34468.9/53

All: 10.683+/-0.109 χ^2/NDF: 71567.8/100

diff_bpm1i04X_rms vs Slug, Sign Corrected



Right In: 834.033+/-0.163 χ^2/NDF: 300043.2/23

Left Out: 907.089+/-0.146 χ^2/NDF:194606.8/24

Right Out: 844.320+/-0.157 χ^2/NDF: 302525.3/28

Left In: 912.301+/-0.151 χ^2/NDF:174715.2/22

Left: 909.608+/-0.105 χ^2/NDF: 369936.7/47

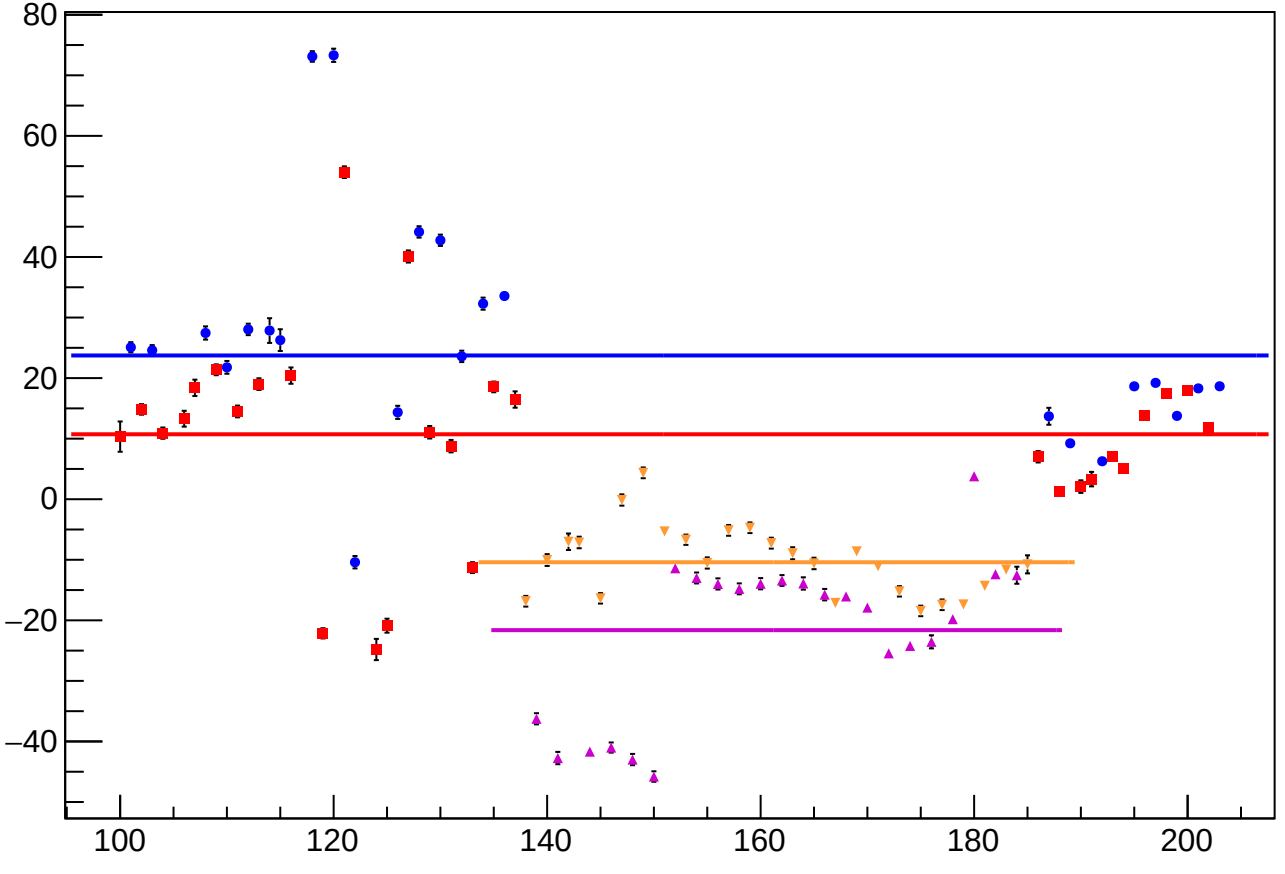
Right: 839.371+/-0.113 χ^2/NDF: 604635.0/52

In: 876.132+/-0.111 χ^2/NDF:598750.7/46

Out: 877.945+/-0.107 χ^2/NDF:582788.8/53

All: 877.070+/-0.077 χ^2/NDF: 1181678.0/100

diff_bpm1i04Y_mean vs Slug, Sign Corrected



Right In: 23.738+/-0.170 χ^2/NDF: 9388.6/23

Left Out: -10.406+/-0.176 χ^2/NDF:1041.8/24

Right Out: 10.724+/-0.165 χ^2/NDF: 7301.6/28

Left In: -21.621+/-0.182 χ^2/NDF:5241.8/22

Left: -15.828+/-0.126 χ^2/NDF: 8246.4/47

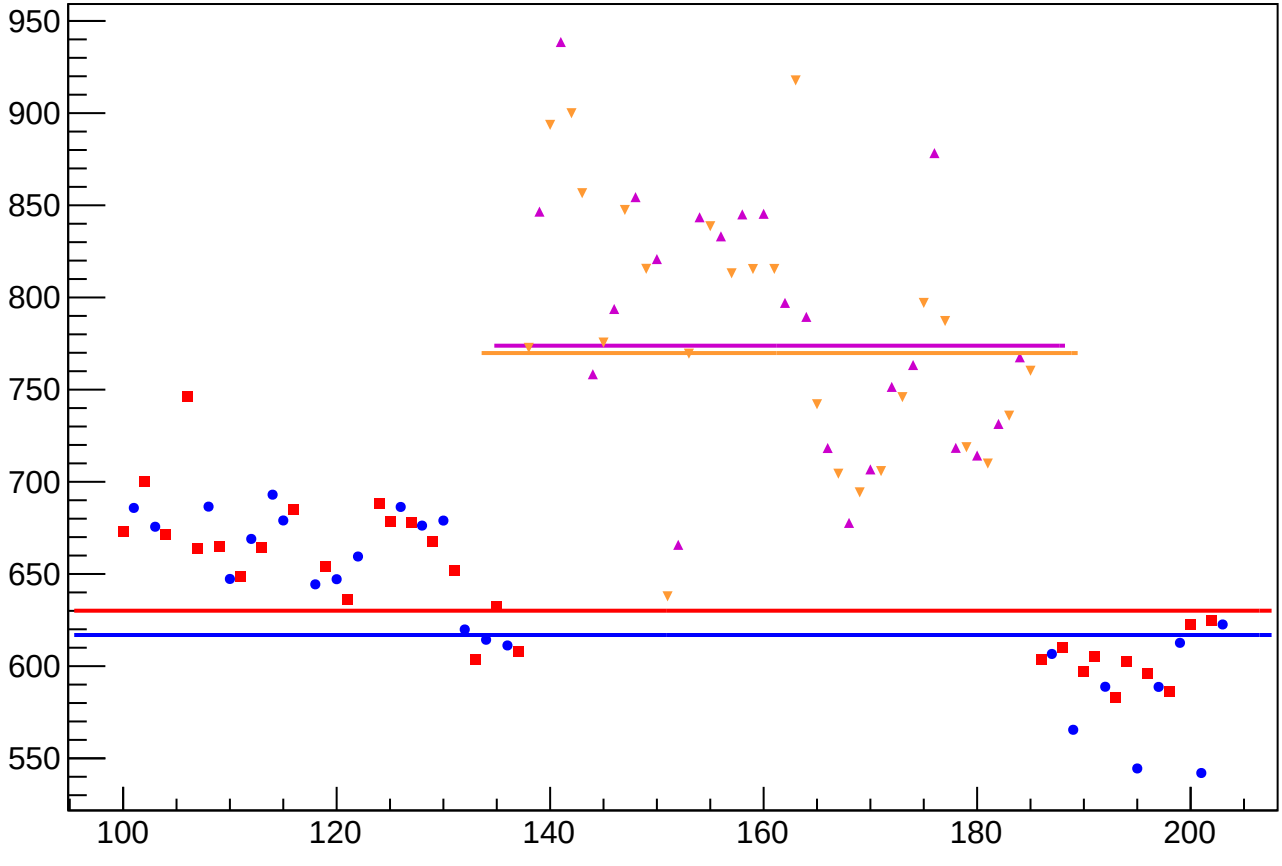
Right: 17.028+/-0.119 χ^2/NDF: 19695.1/52

In: 2.533+/-0.124 χ^2/NDF:47729.3/46

Out: 0.825+/-0.120 χ^2/NDF:16004.8/53

All: 1.652+/-0.087 χ^2/NDF: 63831.4/100

diff_bpm1i04Y_rms vs Slug, Sign Corrected



Right In: 616.900+/-0.121 χ^2/NDF: 153109.6/23

Left Out: 769.850+/-0.124 χ^2/NDF:304526.6/24

Right Out: 630.081+/-0.117 χ^2/NDF: 97375.5/28

Left In: 773.845+/-0.129 χ^2/NDF:282843.1/22

Left: 771.781+/-0.089 χ^2/NDF: 587867.8/47

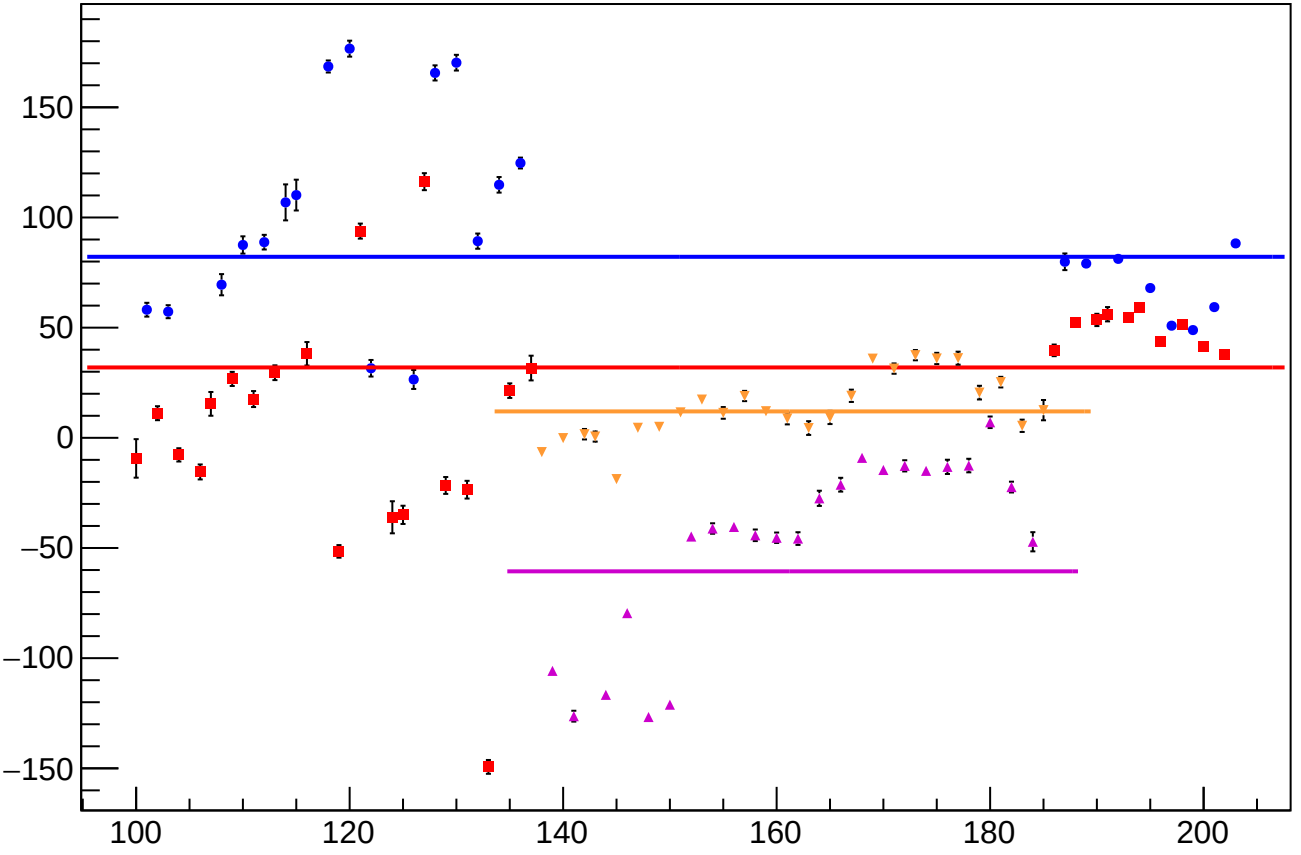
Right: 623.696+/-0.084 χ^2/NDF: 256650.7/52

In: 690.271+/-0.088 χ^2/NDF:1228477.3/46

Out: 695.559+/-0.085 χ^2/NDF:1072320.0/53

All: 693.000+/-0.061 χ^2/NDF: 2302662.8/100

diff_bpm1i06X_mean vs Slug, Sign Corrected



Right In: 82.156+/-0.529 χ^2/NDF: 4681.7/23

Left Out: 11.989+/-0.472 χ^2/NDF:947.1/24

Right Out: 31.939+/-0.506 χ^2/NDF: 7102.4/28

Left In: -60.598+/-0.481 χ^2/NDF:8638.1/22

Left: -23.591+/-0.337 χ^2/NDF: 21200.1/47

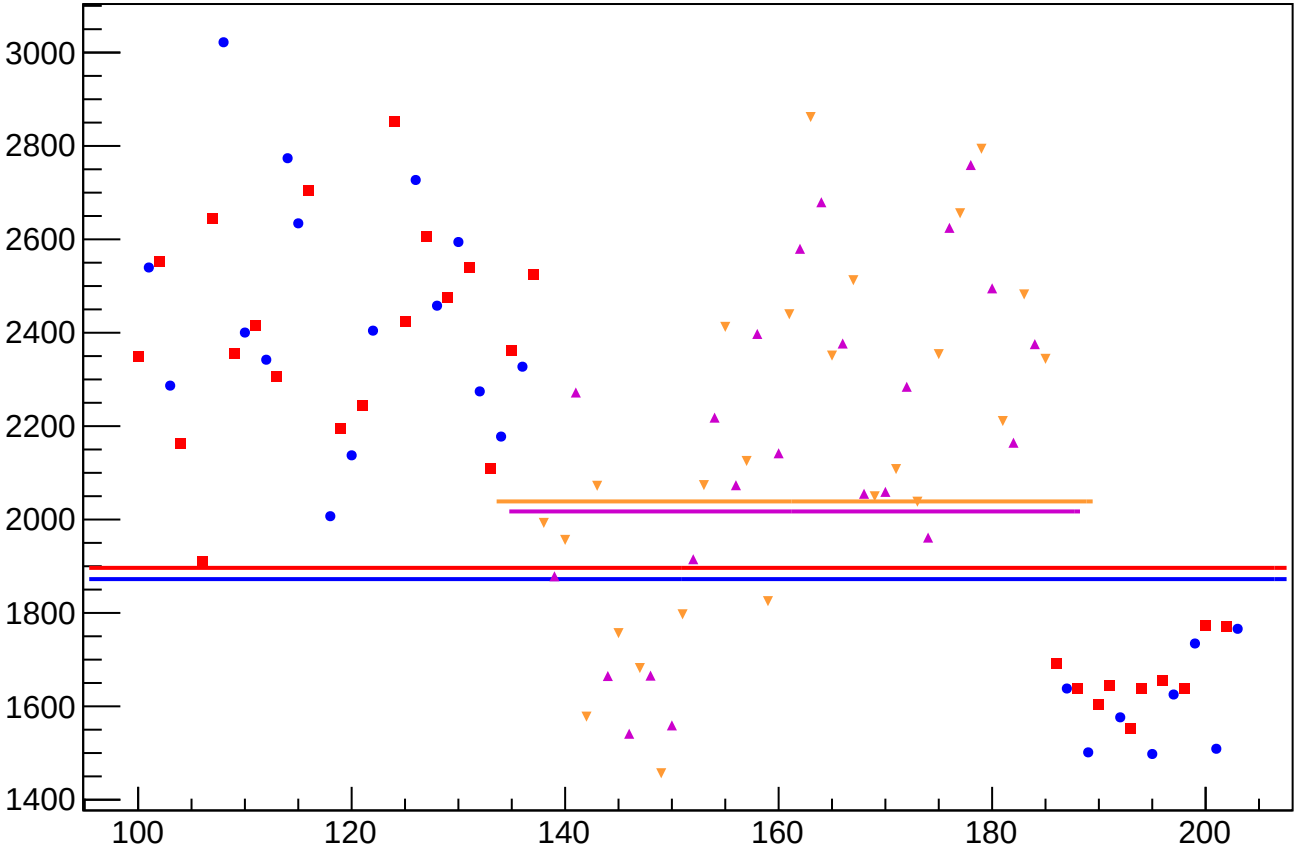
Right: 55.947+/-0.365 χ^2/NDF: 16494.2/52

In: 4.050+/-0.356 χ^2/NDF:53223.6/46

Out: 21.263+/-0.345 χ^2/NDF:8881.7/53

All: 12.921+/-0.248 χ^2/NDF: 63312.1/100

diff_bpm1i06X_rms vs Slug, Sign Corrected



Right In: 1872.442+/-0.374 χ^2/NDF: 1144369.7/23

Left Out: 2038.784+/-0.333 χ^2/NDF:1123518.3/24

Right Out: 1896.516+/-0.358 χ^2/NDF: 960097.4/28

Left In: 2017.328+/-0.340 χ^2/NDF:1050043.3/22

Left: 2028.267+/-0.238 χ^2/NDF: 2175591.3/47

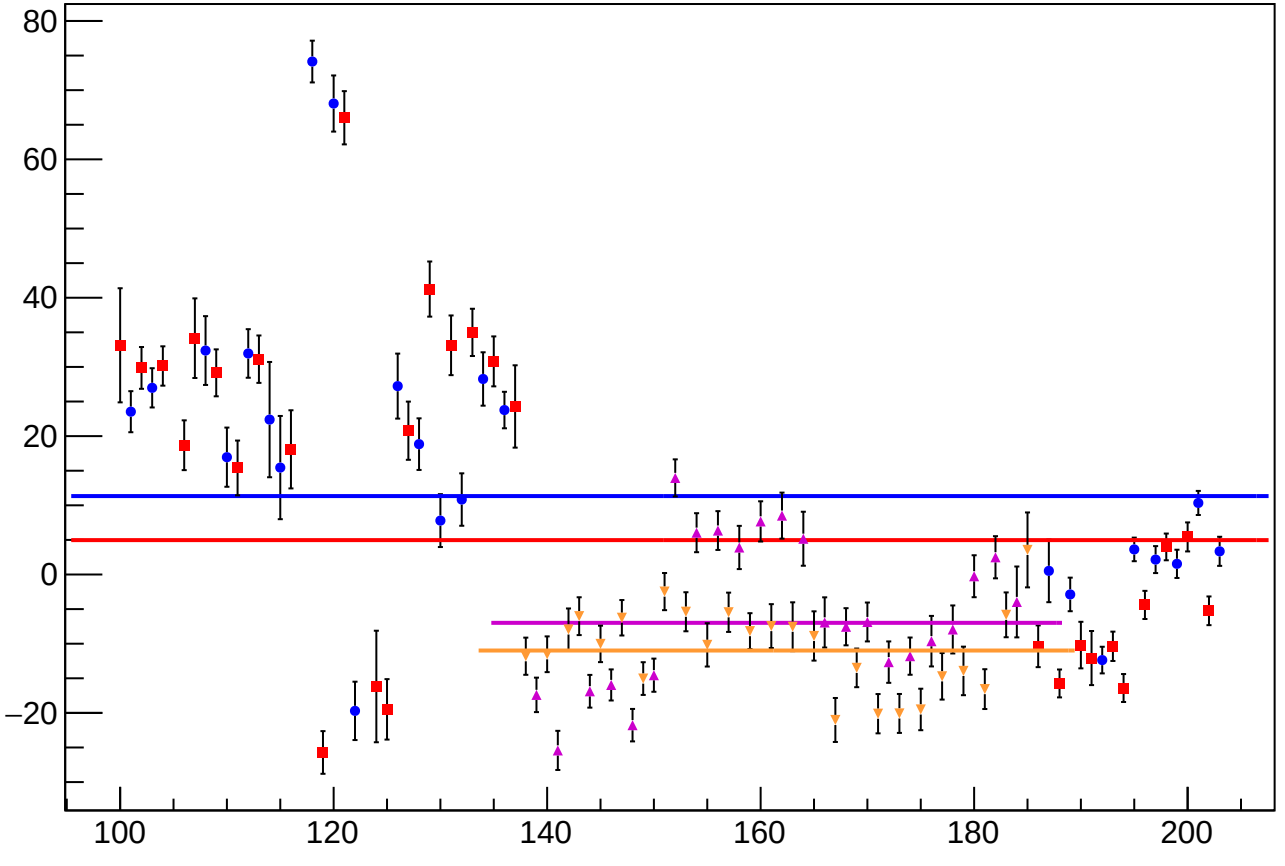
Right: 1885.007+/-0.258 χ^2/NDF: 2106632.3/52

In: 1951.715+/-0.252 χ^2/NDF:2276622.5/46

Out: 1972.648+/-0.244 χ^2/NDF:2168246.9/53

All: 1962.503+/-0.175 χ^2/NDF: 4448438.6/10

diff_bpm1i06Y_mean vs Slug, Sign Corrected



Right In: 11.335+/-0.574 χ^2/NDF: 1116.1/23

Left Out: -10.985+/-0.586 χ^2/NDF:87.6/24

Right Out: 4.970+/-0.561 χ^2/NDF: 1368.3/28

Left In: -6.985+/-0.598 χ^2/NDF:339.5/22

Left: -9.027+/-0.419 χ^2/NDF: 449.9/47

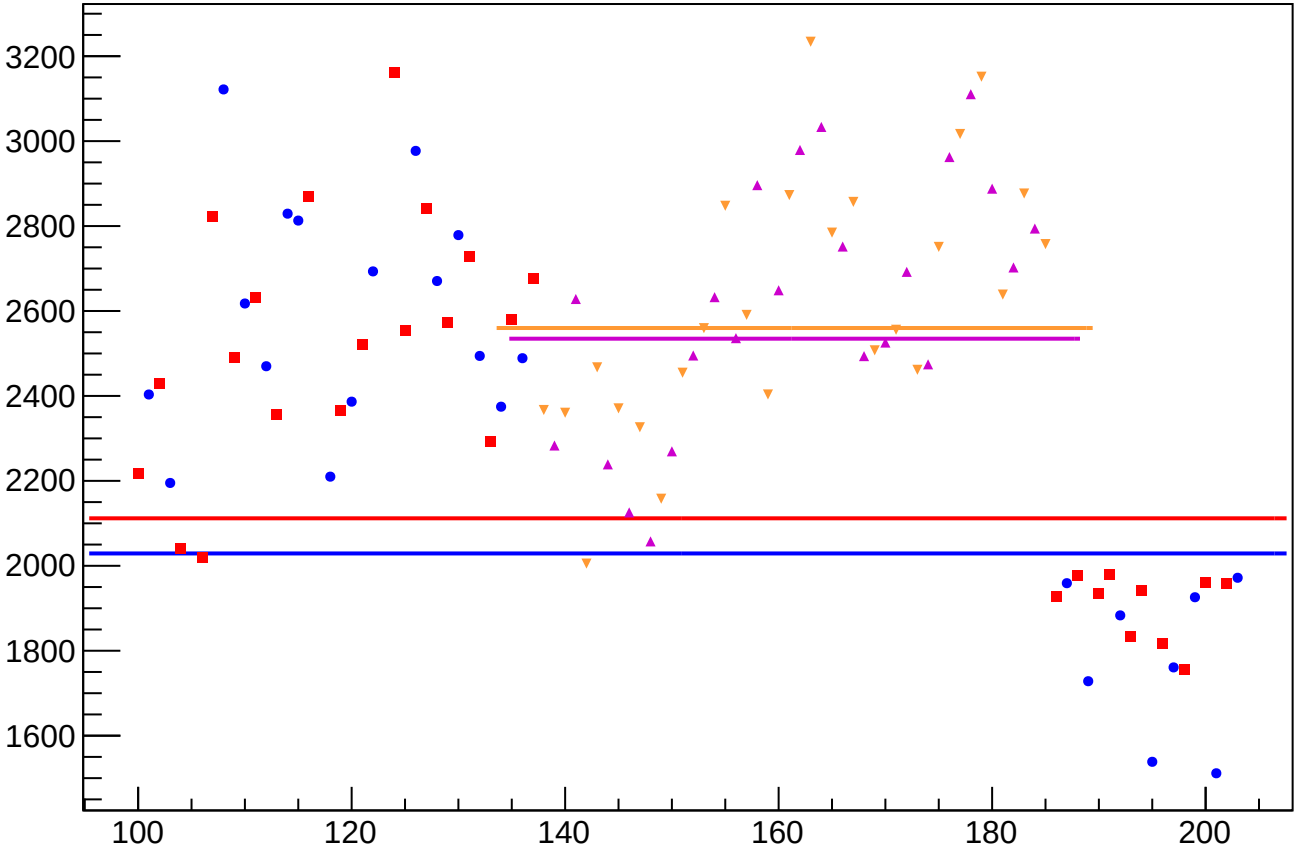
Right: 8.080+/-0.401 χ^2/NDF: 2547.2/52

In: 2.553+/-0.414 χ^2/NDF:1943.4/46

Out: -2.665+/-0.405 χ^2/NDF:1842.7/53

All: -0.114+/-0.290 χ^2/NDF: 3867.1/100

diff_bpm1i06Y_rms vs Slug, Sign Corrected



Right In: 2029.087+/-0.406 χ^2/NDF: 1071815.6/23

Left Out: 2559.931+/-0.414 χ^2/NDF:450188.5/24

Right Out: 2111.815+/-0.397 χ^2/NDF: 640773.7/28

Left In: 2534.780+/-0.423 χ^2/NDF:463621.9/22

Left: 2547.623+/-0.296 χ^2/NDF: 915614.3/47

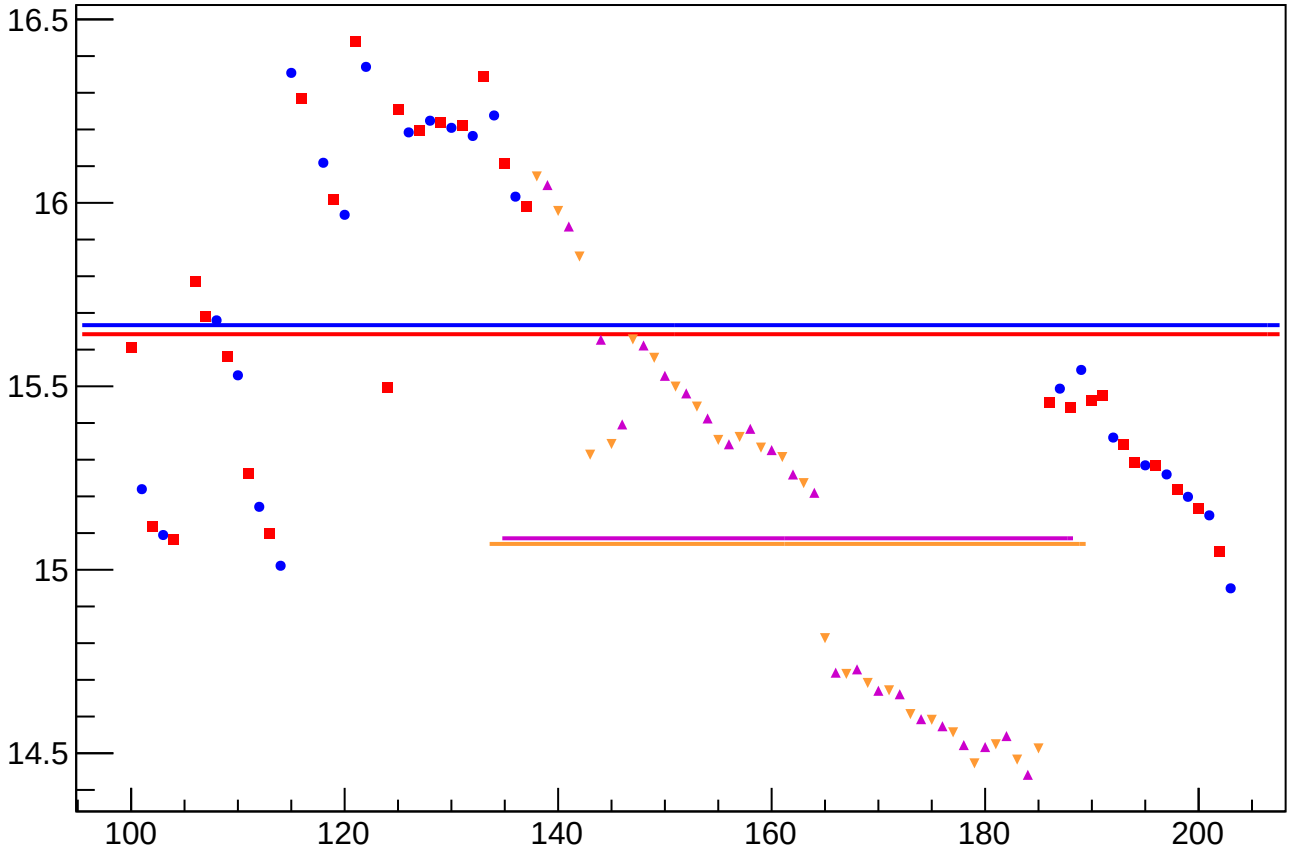
Right: 2071.400+/-0.284 χ^2/NDF: 1733816.5/52

In: 2271.516+/-0.293 χ^2/NDF:2278858.7/46

Out: 2326.255+/-0.287 χ^2/NDF:1701062.3/53

All: 2299.491+/-0.205 χ^2/NDF: 3997758.3/10

yield_sam1_mean vs Slug, Sign Corrected



Right In: 15.667+/-0.000 χ^2/NDF: 14388184212.7/23

Left Out: 15.070+/-0.000 χ^2/NDF:43718295237.2/24

Right Out: 15.642+/-0.000 χ^2/NDF: 13614454454.8/28

Left In: 15.086+/-0.000 χ^2/NDF:39504896066.7/22

Left: 15.078+/-0.000 χ^2/NDF: 83242630627.9/47

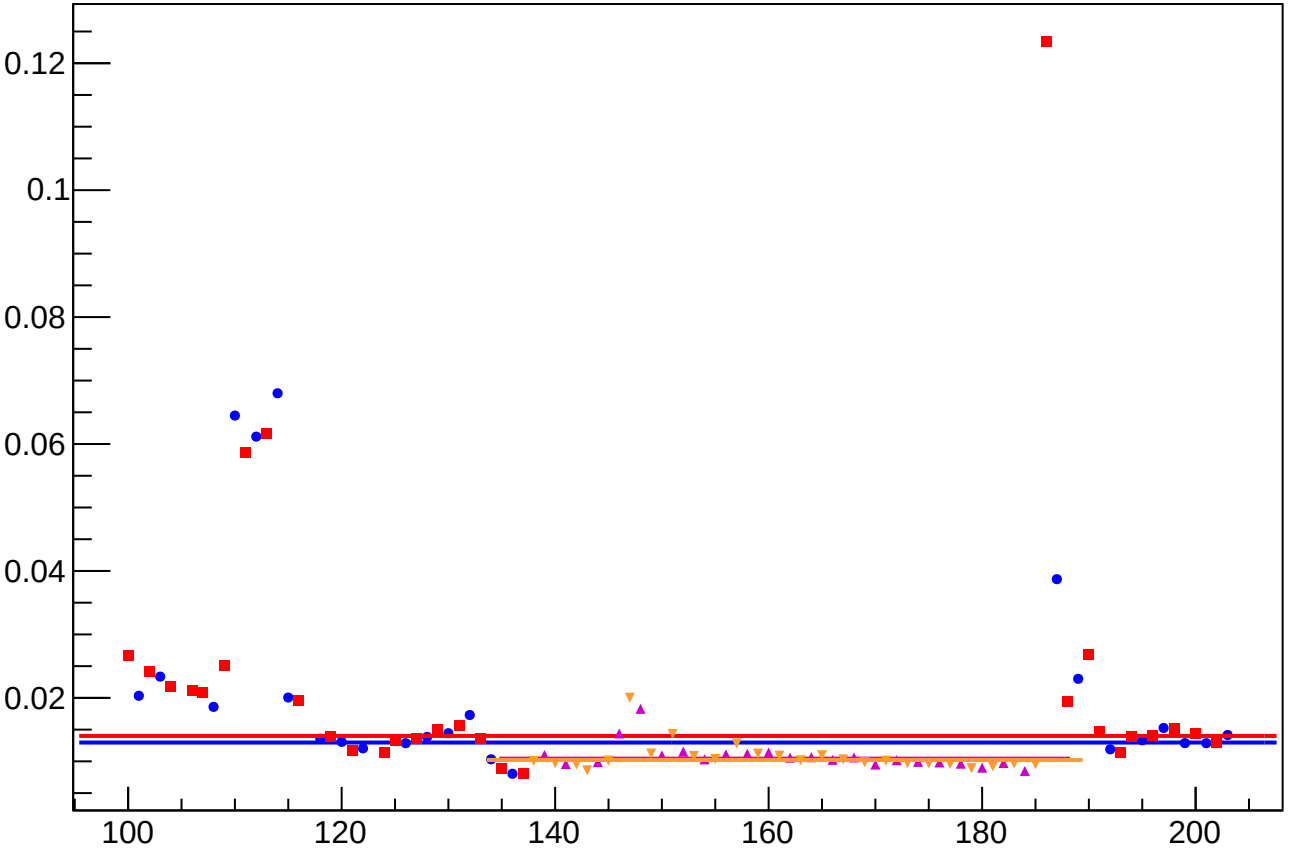
Right: 15.655+/-0.000 χ^2/NDF: 28022027098.4/52

In: 15.257+/-0.000 χ^2/NDF:69585240453.4/46

Out: 15.220+/-0.000 χ^2/NDF:72190277210.4/53

All: 15.238+/-0.000 χ^2/NDF: 141931121830.

yield_sam1_rms vs Slug, Sign Corrected



Right In: 0.013+/-0.000 χ^2/NDF: 2750829.9/23

Left Out: 0.010+/-0.000 χ^2/NDF:760322.0/24

Right Out: 0.014+/-0.000 χ^2/NDF: 3244142.1/28

Left In: 0.010+/-0.000 χ^2/NDF:597752.6/22

Left: 0.010+/-0.000 χ^2/NDF: 1365448.4/47

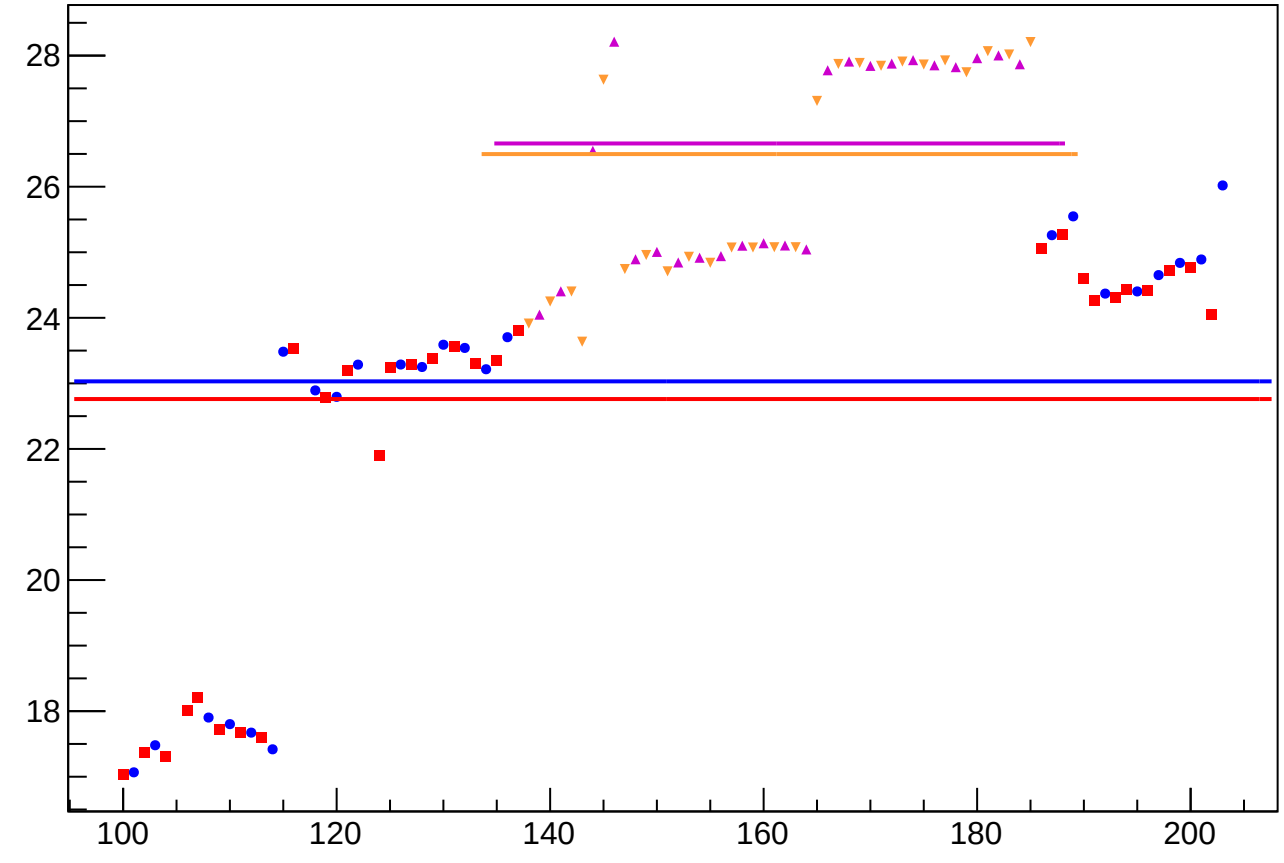
Right: 0.013+/-0.000 χ^2/NDF: 6063648.1/52

In: 0.011+/-0.000 χ^2/NDF:3947251.0/46

Out: 0.011+/-0.000 χ^2/NDF:5308744.0/53

All: 0.011+/-0.000 χ^2/NDF: 9256240.4/100

yield_sam2_mean vs Slug, Sign Corrected



Right In: 23.031+/-0.000 χ^2/NDF: 1470408775.0/23

Left Out: 26.498+/-0.000 χ^2/NDF:3909357236.5/24

Right Out: 22.761+/-0.000 χ^2/NDF: 1472115825.3/28

Left In: 26.660+/-0.000 χ^2/NDF:2886823196.4/22

Left: 26.575+/-0.000 χ^2/NDF: 6814787304.8/47

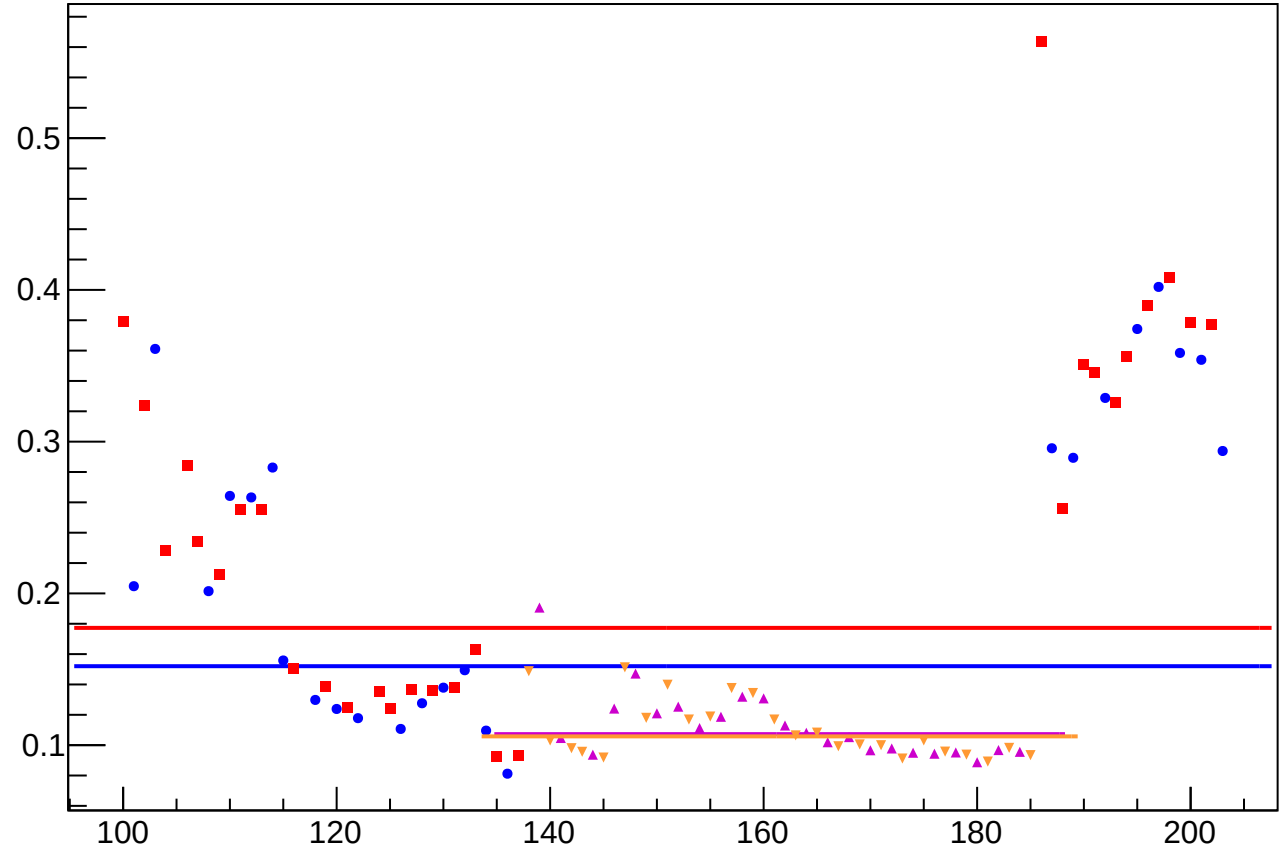
Right: 22.907+/-0.000 χ^2/NDF: 2955732217.7/52

In: 25.844+/-0.000 χ^2/NDF:8384142409.2/46

Out: 25.807+/-0.000 χ^2/NDF:9210353397.8/53

All: 25.825+/-0.000 χ^2/NDF: 17595721576.3

yield_sam2_rms vs Slug, Sign Corrected



Right In: 0.152+/-0.000 χ^2/NDF: 5849645.4/23

Left Out: 0.106+/-0.000 χ^2/NDF:756185.0/24

Right Out: 0.177+/-0.000 χ^2/NDF: 5807153.9/28

Left In: 0.107+/-0.000 χ^2/NDF:859458.3/22

Left: 0.106+/-0.000 χ^2/NDF: 1618736.7/47

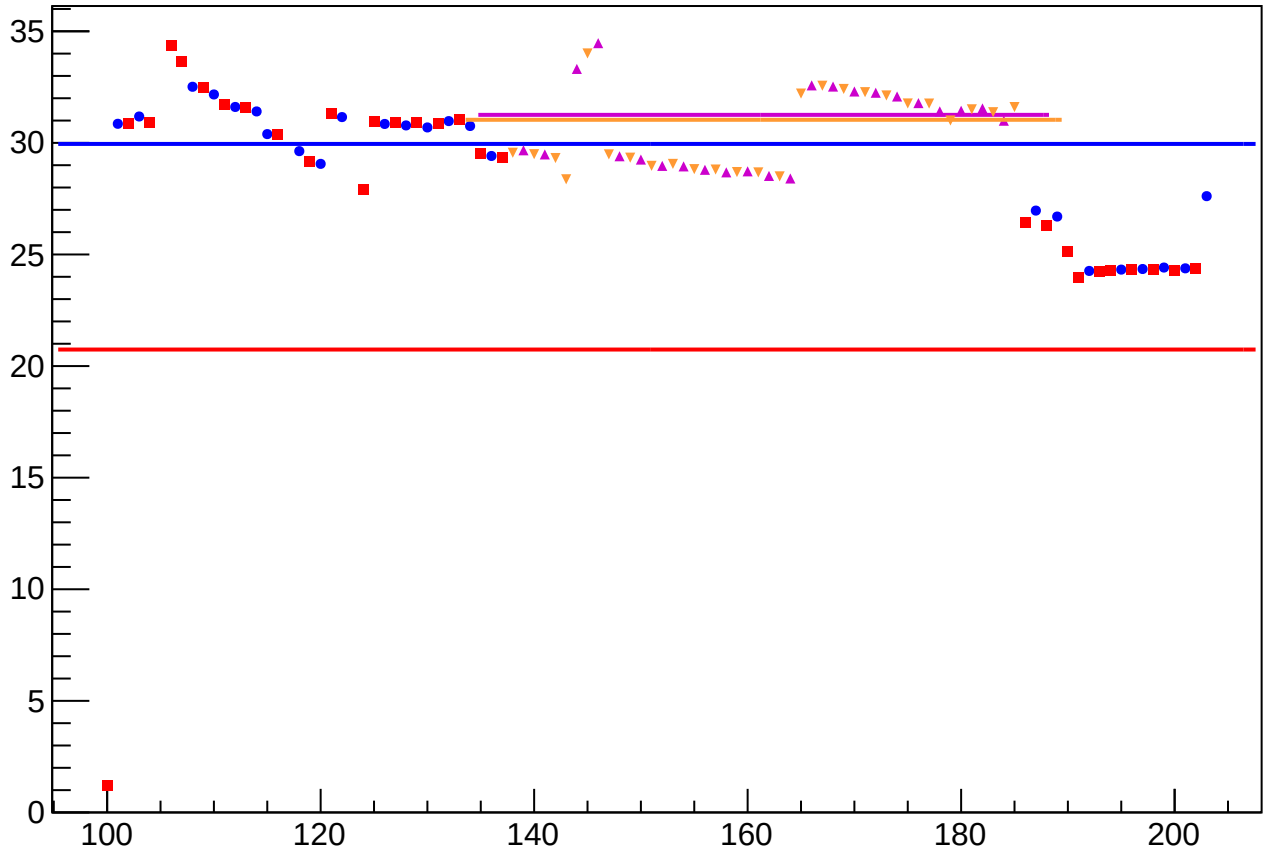
Right: 0.164+/-0.000 χ^2/NDF: 11888237.5/52

In: 0.117+/-0.000 χ^2/NDF:7935170.2/46

Out: 0.119+/-0.000 χ^2/NDF:9366834.4/53

All: 0.118+/-0.000 χ^2/NDF: 17307031.5/100

yield_sam3_mean vs Slug, Sign Corrected



Right In: 29.953+/-0.000 χ^2/NDF: 3353216716.5/23

Left Out: 31.035+/-0.000 χ^2/NDF:11897463221.2/24

Right Out: 20.741+/-0.000 χ^2/NDF: 224107841714.2/28

Left In: 31.256+/-0.000 χ^2/NDF:12589744083.0/22

Left: 31.143+/-0.000 χ^2/NDF: 24589664395.0/47

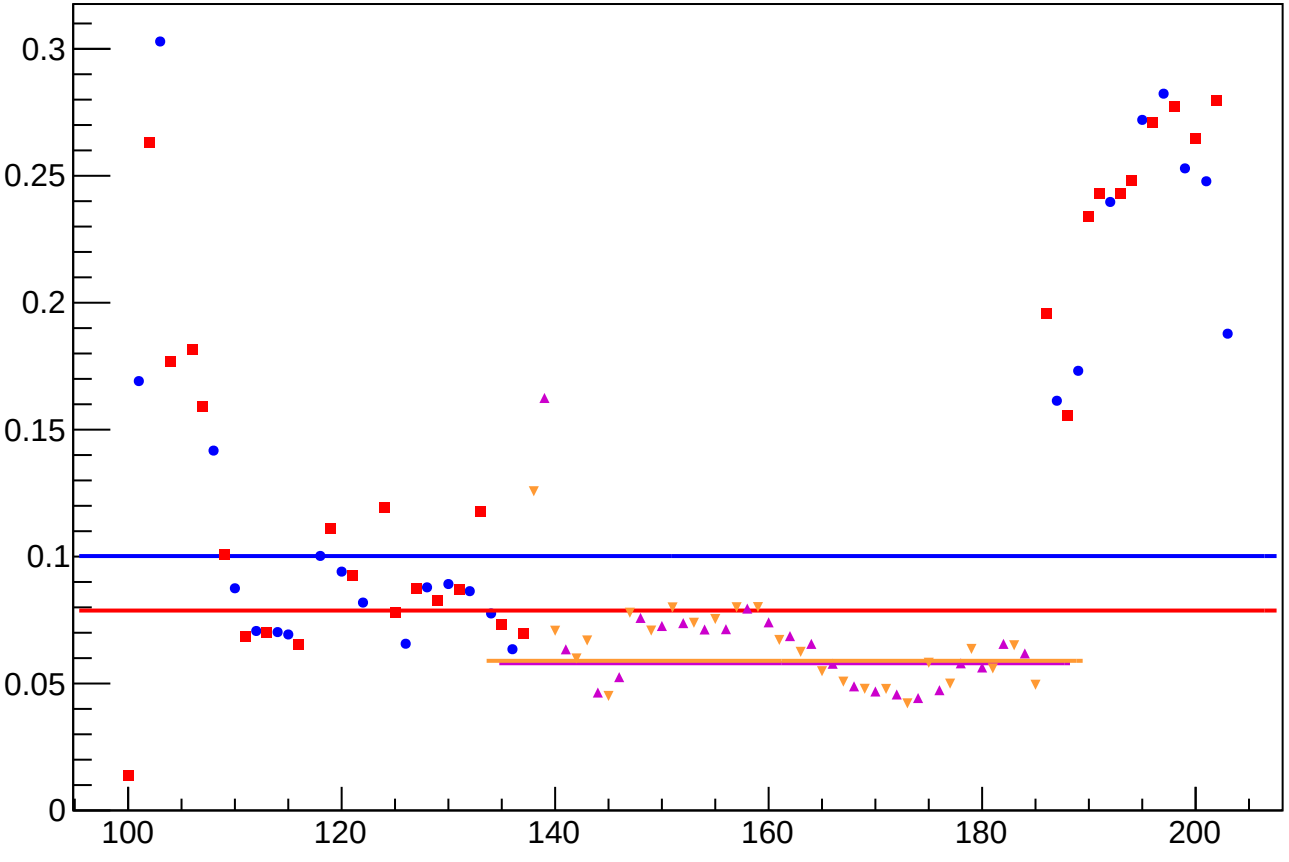
Right: 24.615+/-0.000 χ^2/NDF: 270941455065.1/52

In: 31.026+/-0.000 χ^2/NDF:17178211479.3/46

Out: 28.755+/-0.000 χ^2/NDF:336511790368.7/53

All: 29.838+/-0.000 χ^2/NDF: 367206978522.

yield_sam3_rms vs Slug, Sign Corrected



Right In: 0.100+/-0.000 χ^2/NDF: 5516382.8/23

Left Out: 0.059+/-0.000 χ^2/NDF:1536601.0/24

Right Out: 0.079+/-0.000 χ^2/NDF: 10853390.7/28

Left In: 0.058+/-0.000 χ^2/NDF:1716553.7/22

Left: 0.058+/-0.000 χ^2/NDF: 3257018.5/47

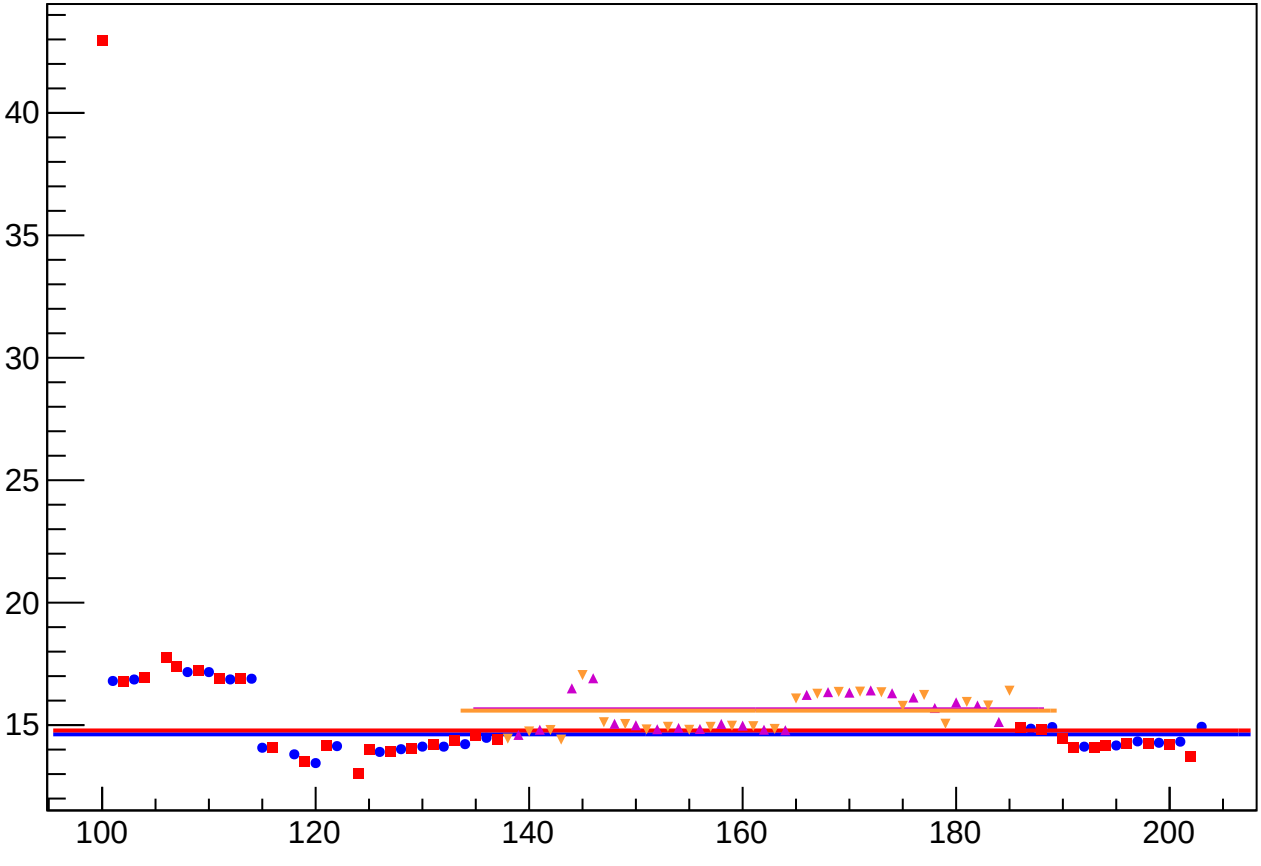
Right: 0.088+/-0.000 χ^2/NDF: 16841834.9/52

In: 0.065+/-0.000 χ^2/NDF:9829097.0/46

Out: 0.063+/-0.000 χ^2/NDF:13133597.8/53

All: 0.064+/-0.000 χ^2/NDF: 22985988.3/100

yield_sam4_mean vs Slug, Sign Corrected



Right In: 14.623+/-0.000 χ^2/NDF: 1211771902.1/23

Left Out: 15.591+/-0.000 χ^2/NDF:2257437225.0/24

Right Out: 14.781+/-0.000 χ^2/NDF: 1788672837.6/28

Left In: 15.645+/-0.000 χ^2/NDF:1858454747.6/22

Left: 15.617+/-0.000 χ^2/NDF: 4121246437.2/47

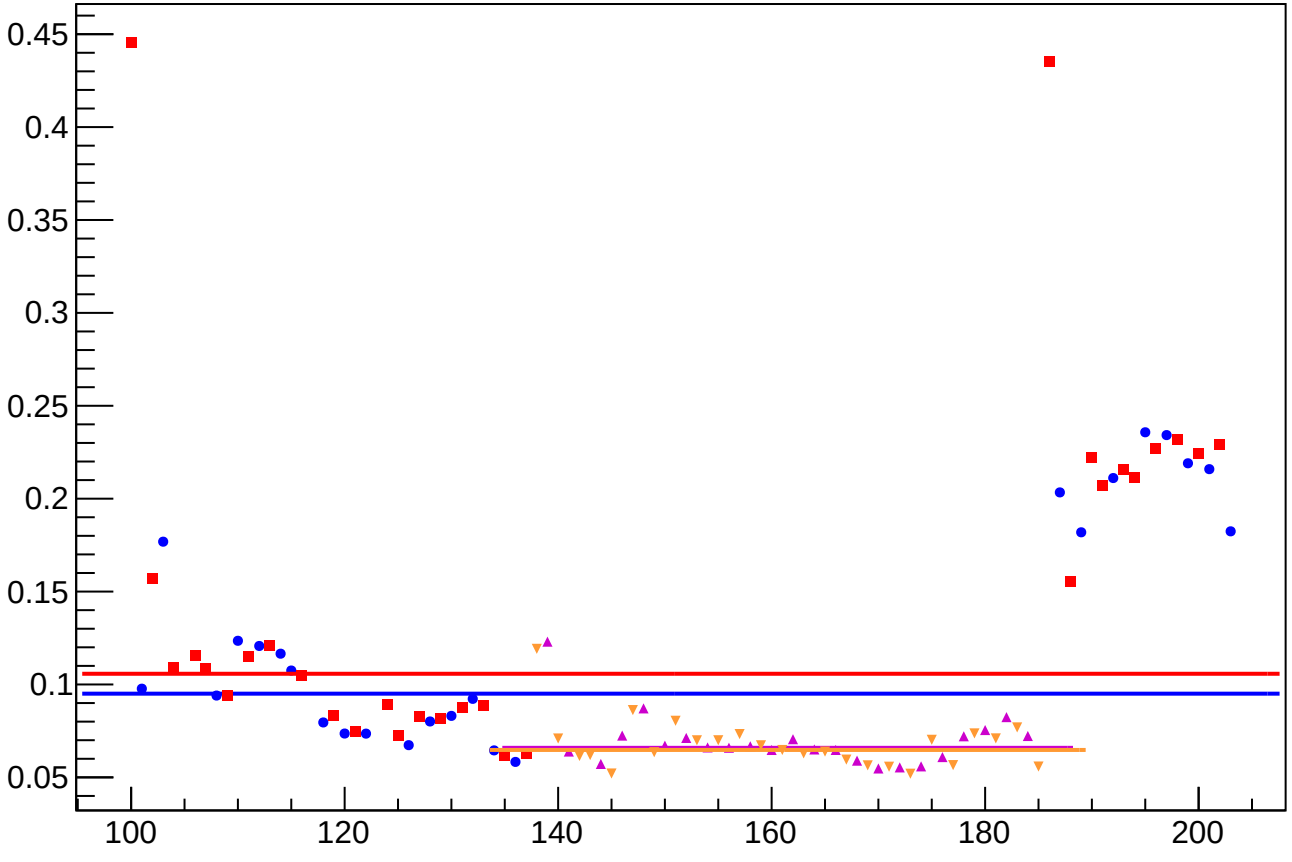
Right: 14.698+/-0.000 χ^2/NDF: 3013134507.9/52

In: 15.410+/-0.000 χ^2/NDF:3929879768.2/46

Out: 15.429+/-0.000 χ^2/NDF:4558441994.1/53

All: 15.420+/-0.000 χ^2/NDF: 8489253270.6/1

yield_sam4_rms vs Slug, Sign Corrected



Right In: 0.095+/-0.000 χ^2/NDF: 4908918.7/23

Left Out: 0.065+/-0.000 χ^2/NDF:855753.3/24

Right Out: 0.106+/-0.000 χ^2/NDF: 5111606.7/28

Left In: 0.066+/-0.000 χ^2/NDF:788235.2/22

Left: 0.065+/-0.000 χ^2/NDF: 1648838.5/47

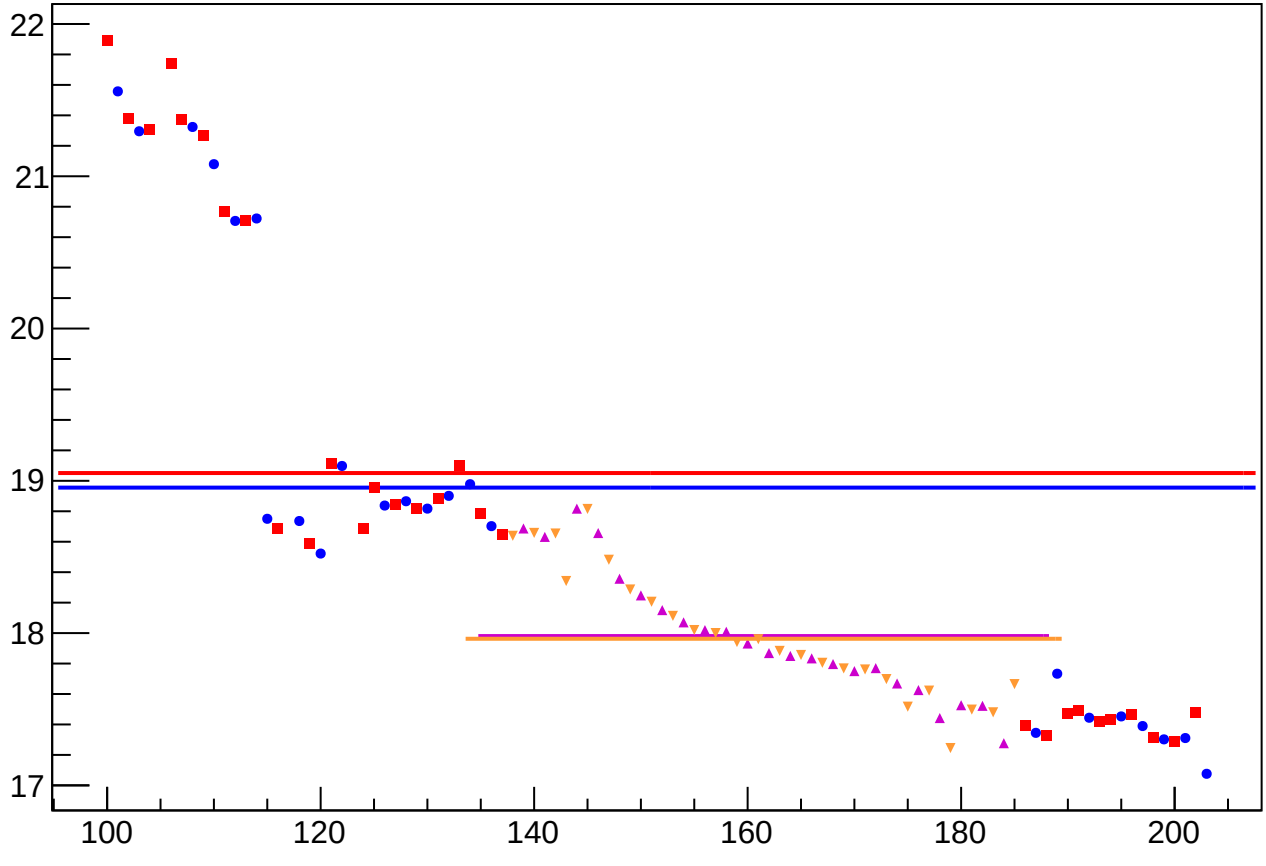
Right: 0.100+/-0.000 χ^2/NDF: 10137524.4/52

In: 0.073+/-0.000 χ^2/NDF:7097038.1/46

Out: 0.073+/-0.000 χ^2/NDF:8590416.5/53

All: 0.073+/-0.000 χ^2/NDF: 15687995.8/100

yield_sam5_mean vs Slug, Sign Corrected



Right In: 18.955+/-0.000 χ^2/NDF: 29042454277.5/23

Left Out: 17.963+/-0.000 χ^2/NDF:3041551307.2/24

Right Out: 19.051+/-0.000 χ^2/NDF: 30763349205.4/28

Left In: 17.980+/-0.000 χ^2/NDF:2720441956.8/22

Left: 17.971+/-0.000 χ^2/NDF: 5764899395.7/47

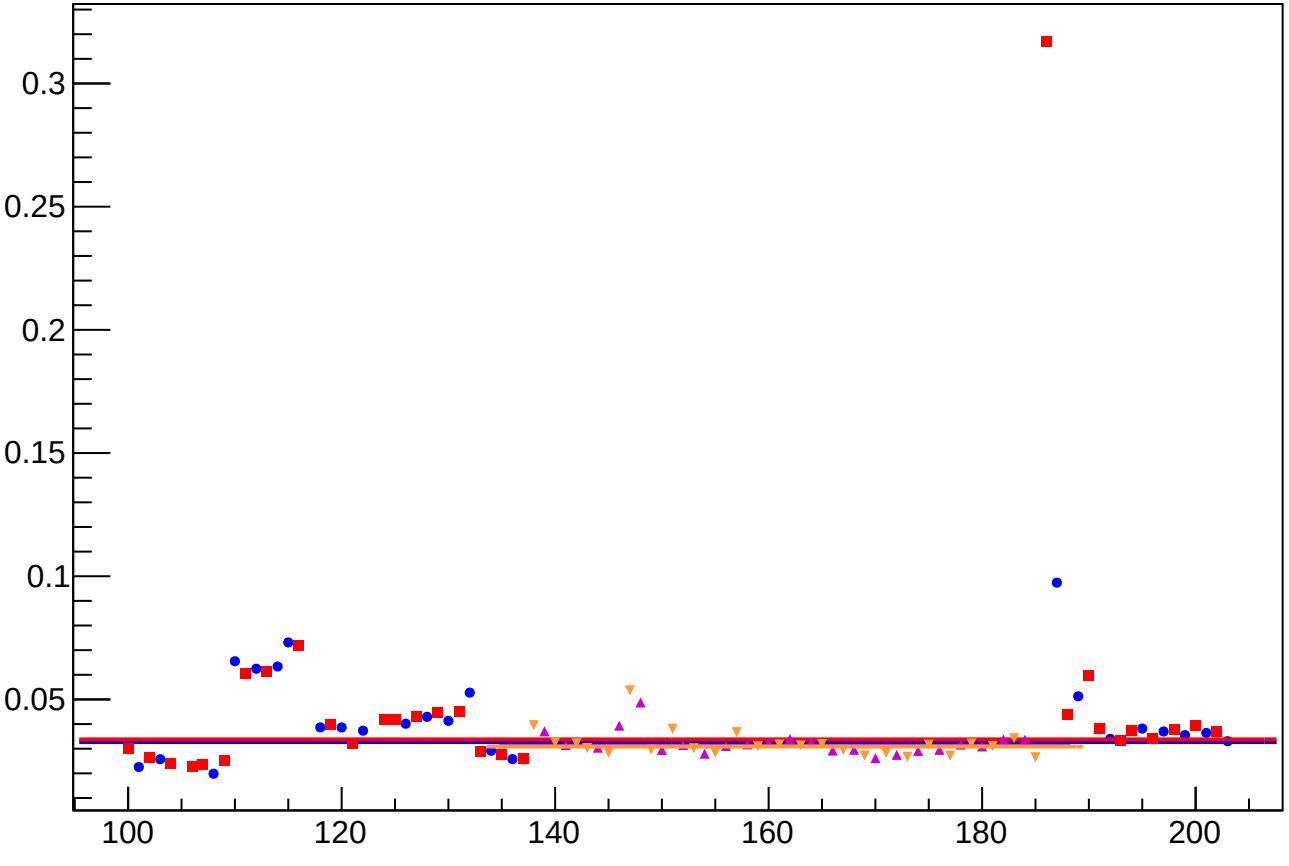
Right: 19.004+/-0.000 χ^2/NDF: 59855391874.2/52

In: 18.346+/-0.000 χ^2/NDF:38126873025.7/46

Out: 18.358+/-0.000 χ^2/NDF:42063750286.8/53

All: 18.352+/-0.000 χ^2/NDF: 80192928737.7

yield_sam5_rms vs Slug, Sign Corrected



Right In: 0.033+/-0.000 χ^2/NDF: 1895087.1/23

Left Out: 0.031+/-0.000 χ^2/NDF:633519.6/24

Right Out: 0.034+/-0.000 χ^2/NDF: 2234670.7/28

Left In: 0.031+/-0.000 χ^2/NDF:482919.2/22

Left: 0.031+/-0.000 χ^2/NDF: 1117566.2/47

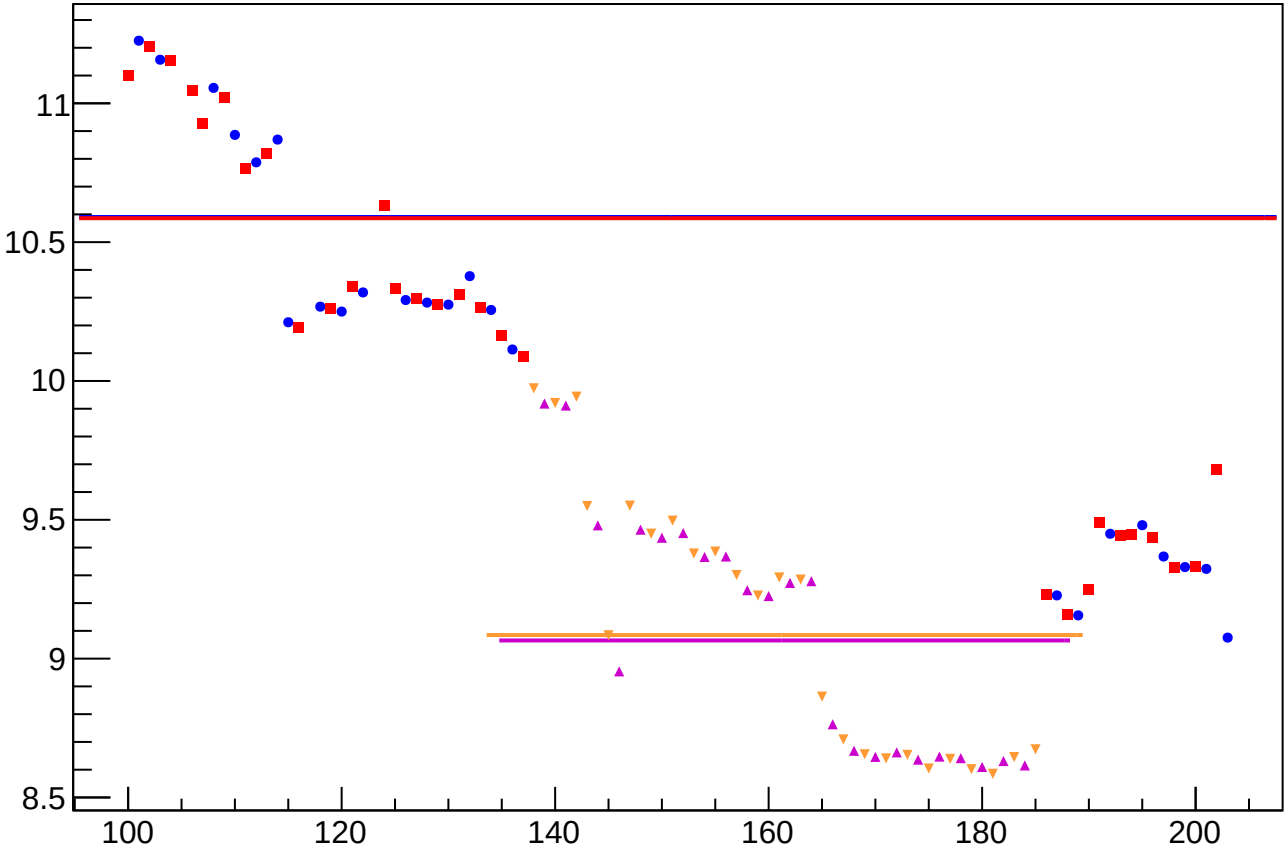
Right: 0.033+/-0.000 χ^2/NDF: 4142342.2/52

In: 0.032+/-0.000 χ^2/NDF:2410901.6/46

Out: 0.032+/-0.000 χ^2/NDF:2984834.7/53

All: 0.032+/-0.000 χ^2/NDF: 5397118.2/100

yield_sam6_mean vs Slug, Sign Corrected



Right In: 10.590+/-0.000 χ^2/NDF: 11567185641.8/23

Left Out: 9.085+/-0.000 χ^2/NDF:10203625727.4/24

Right Out: 10.586+/-0.000 χ^2/NDF: 10206629351.1/28

Left In: 9.065+/-0.000 χ^2/NDF:8070708662.0/22

Left: 9.076+/-0.000 χ^2/NDF: 18283226528.9/47

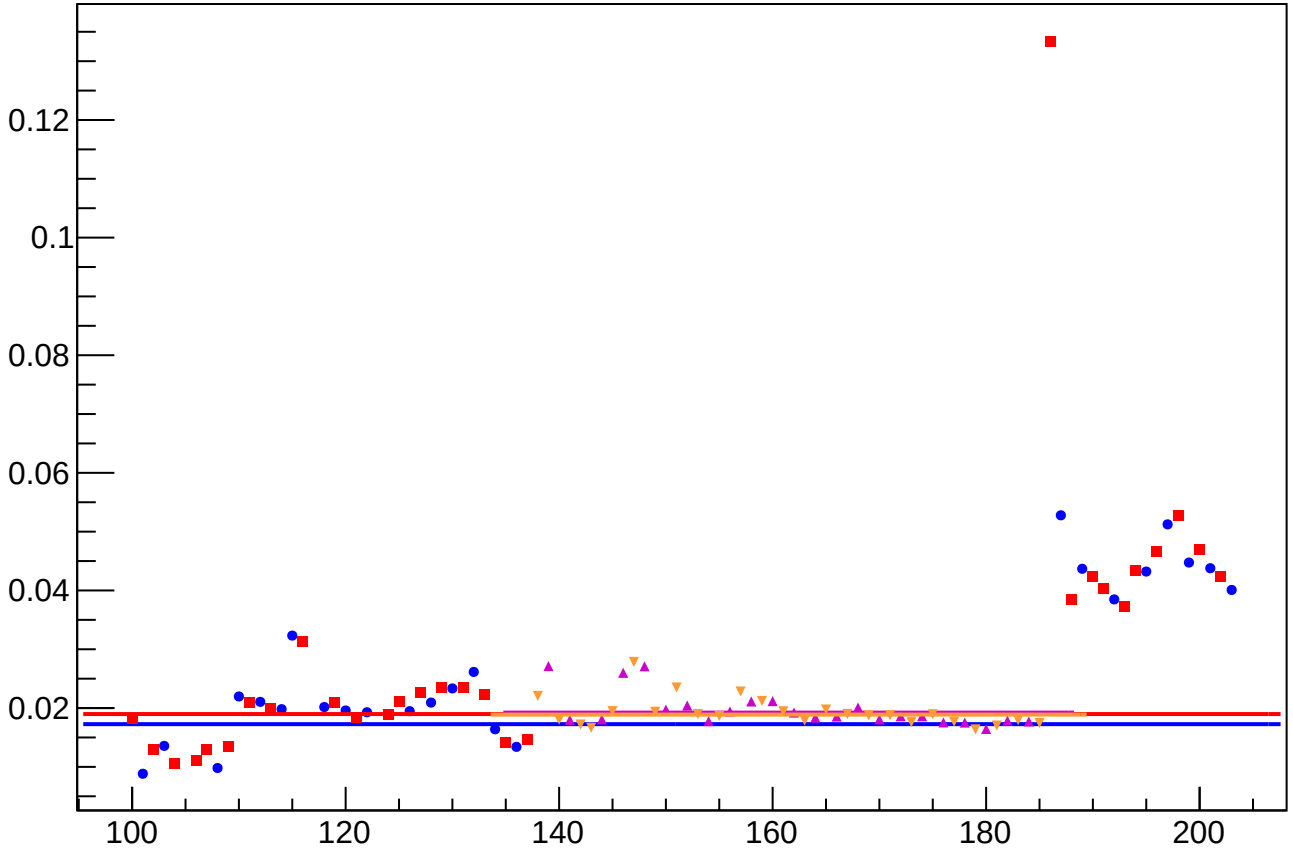
Right: 10.588+/-0.000 χ^2/NDF: 21774085556.9/52

In: 9.686+/-0.000 χ^2/NDF:62030221198.2/46

Out: 9.642+/-0.000 χ^2/NDF:61625435287.4/53

All: 9.664+/-0.000 χ^2/NDF: 123730978114.7

yield_sam6_rms vs Slug, Sign Corrected



Right In: 0.017+/-0.000 χ^2/NDF: 6195915.0/23

Left Out: 0.019+/-0.000 χ^2/NDF:441360.7/24

Right Out: 0.019+/-0.000 χ^2/NDF: 6396423.9/28

Left In: 0.019+/-0.000 χ^2/NDF:540886.4/22

Left: 0.019+/-0.000 χ^2/NDF: 987575.7/47

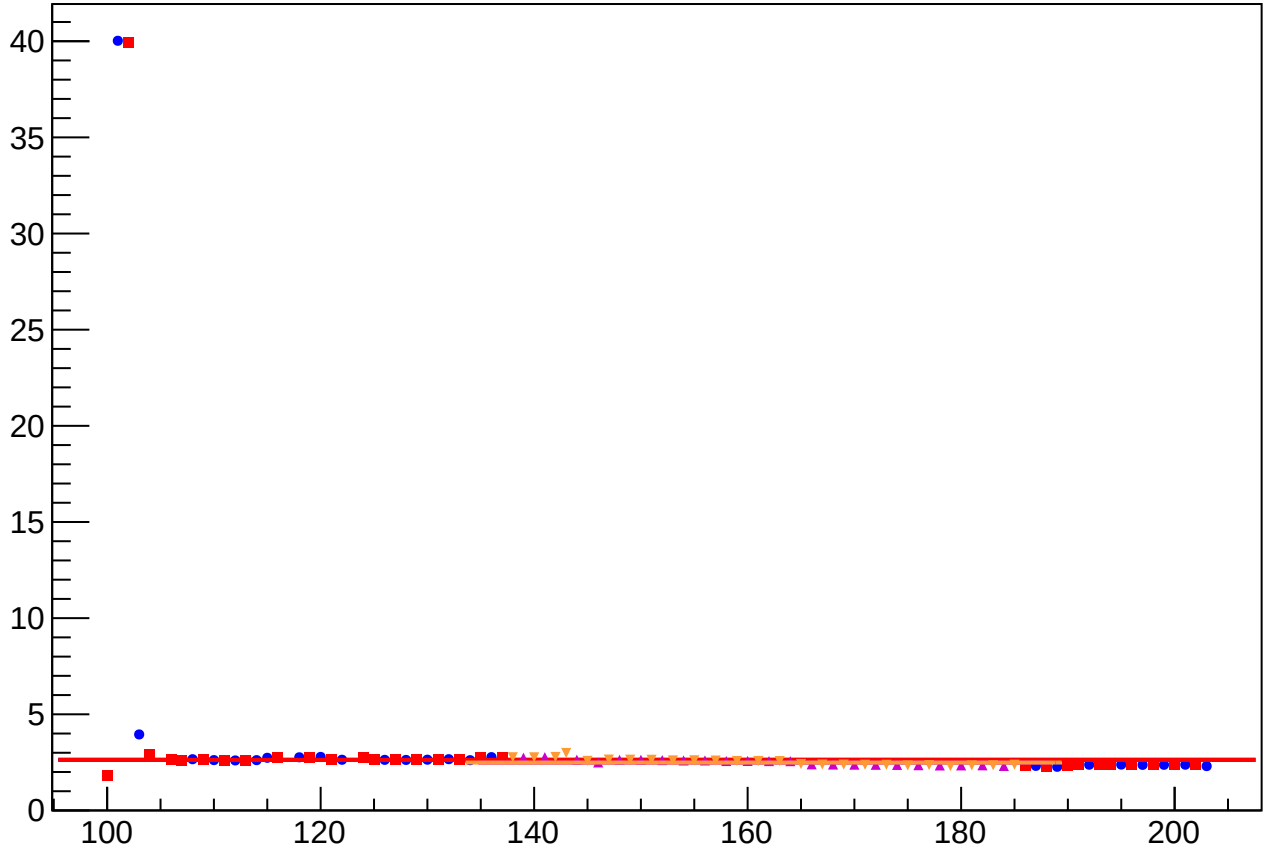
Right: 0.018+/-0.000 χ^2/NDF: 12680312.1/52

In: 0.018+/-0.000 χ^2/NDF:6877659.8/46

Out: 0.019+/-0.000 χ^2/NDF:6838061.9/53

All: 0.019+/-0.000 χ^2/NDF: 13734601.4/100

yield_sam7_mean vs Slug, Sign Corrected



Right In: 2.638+/-0.000 χ^2/NDF: 79823467671.1/23

Left Out: 2.491+/-0.000 χ^2/NDF:92364283353.6/24

Right Out: 2.627+/-0.000 χ^2/NDF: 77951783192.9/28

Left In: 2.489+/-0.000 χ^2/NDF:61212546319.1/22

Left: 2.490+/-0.000 χ^2/NDF: 153590739615.6/47

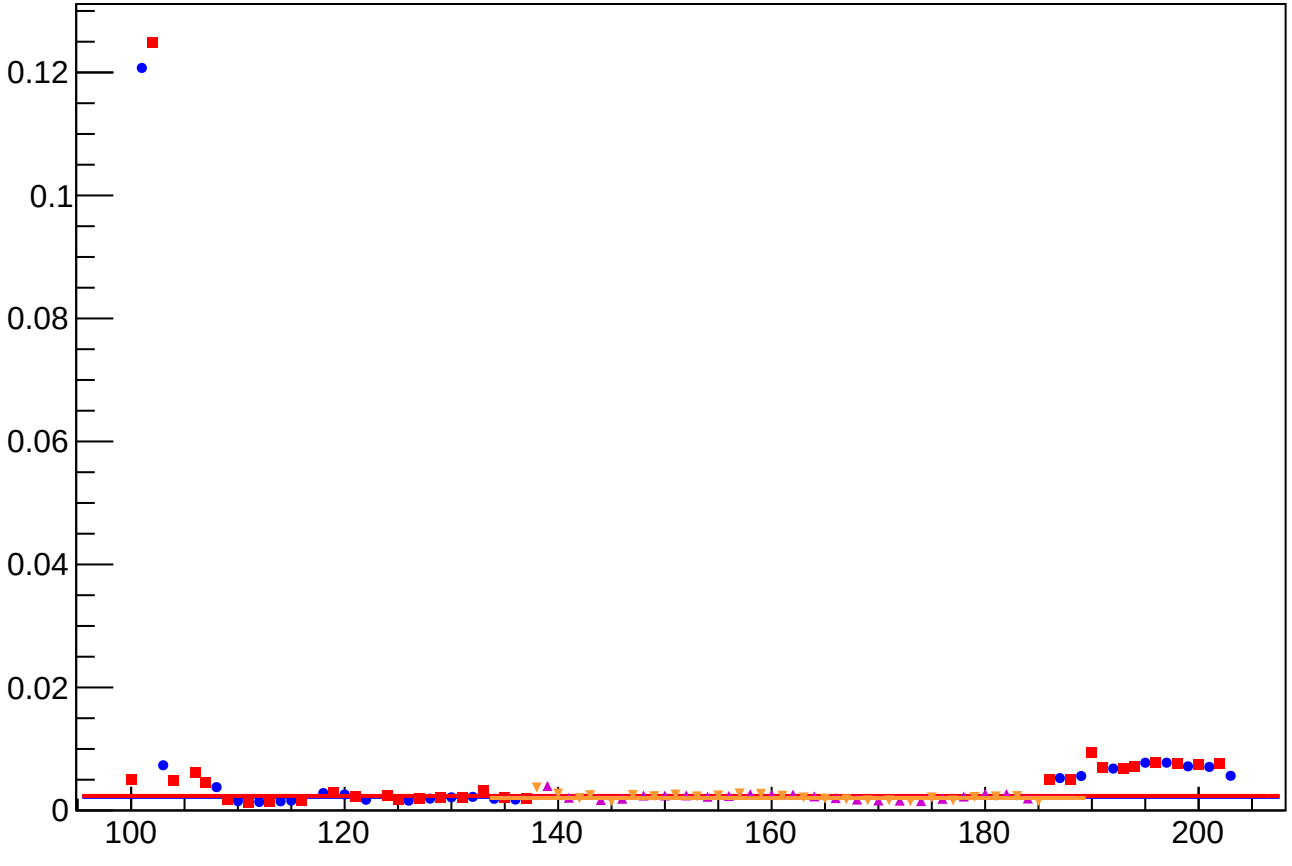
Right: 2.632+/-0.000 χ^2/NDF: 157875071464.1/52

In: 2.535+/-0.000 χ^2/NDF:165103521486.9/46

Out: 2.531+/-0.000 χ^2/NDF:190492460591.3/53

All: 2.533+/-0.000 χ^2/NDF: 355651229619.7

yield_sam7_rms vs Slug, Sign Corrected



Right In: 0.002+/-0.000 χ^2/NDF: 7514259.8/23

Left Out: 0.002+/-0.000 χ^2/NDF:1556481.5/24

Right Out: 0.002+/-0.000 χ^2/NDF: 9096604.7/28

Left In: 0.002+/-0.000 χ^2/NDF:1402331.9/22

Left: 0.002+/-0.000 χ^2/NDF: 2965051.2/47

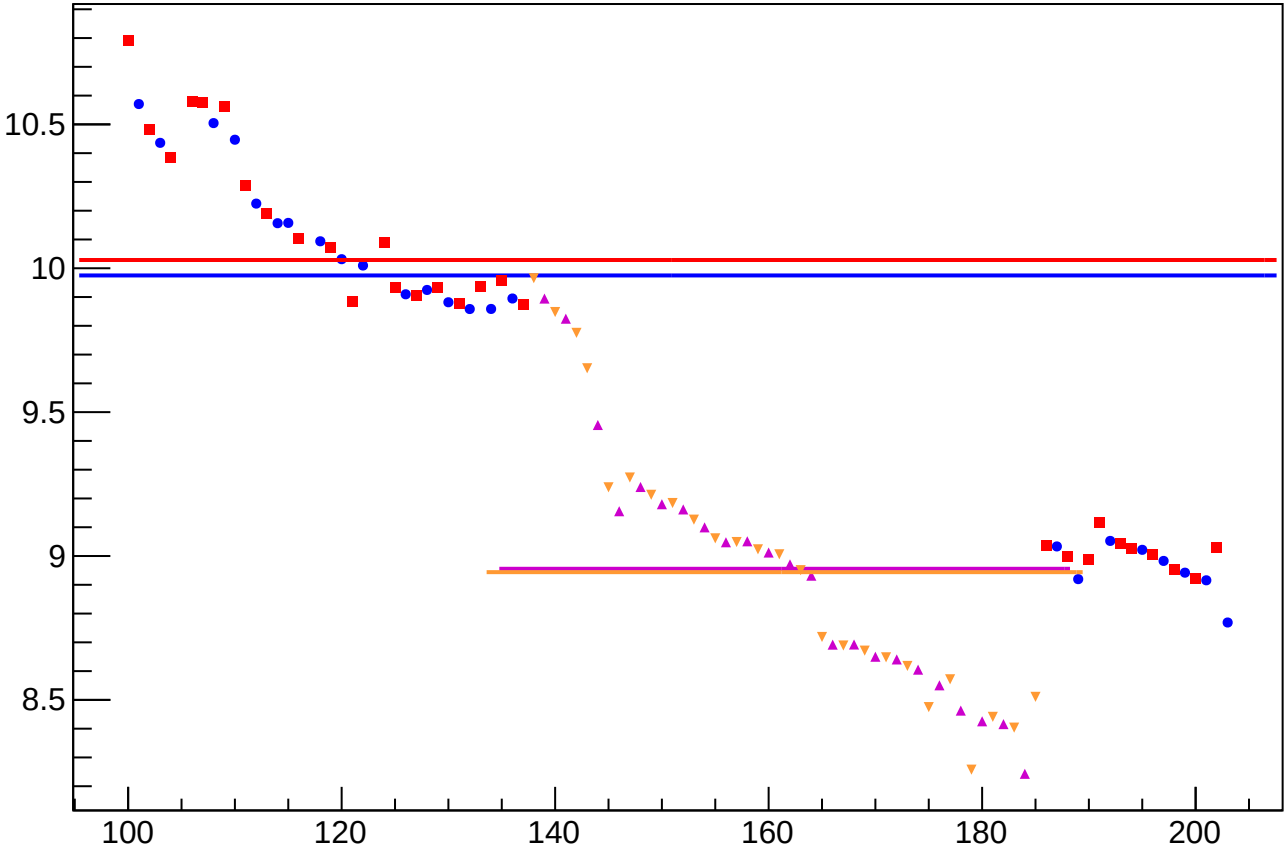
Right: 0.002+/-0.000 χ^2/NDF: 16647575.8/52

In: 0.002+/-0.000 χ^2/NDF:8960604.1/46

Out: 0.002+/-0.000 χ^2/NDF:10904485.1/53

All: 0.002+/-0.000 χ^2/NDF: 19865831.2/100

yield_sam8_mean vs Slug, Sign Corrected



Right In: 9.975+/-0.000 χ^2/NDF: 38534549069.8/23

Left Out: 8.944+/-0.000 χ^2/NDF:65887712966.5/24

Right Out: 10.029+/-0.000 χ^2/NDF: 41597684347.4/28

Left In: 8.956+/-0.000 χ^2/NDF:51572164470.4/22

Left: 8.949+/-0.000 χ^2/NDF: 117486228855.1/47

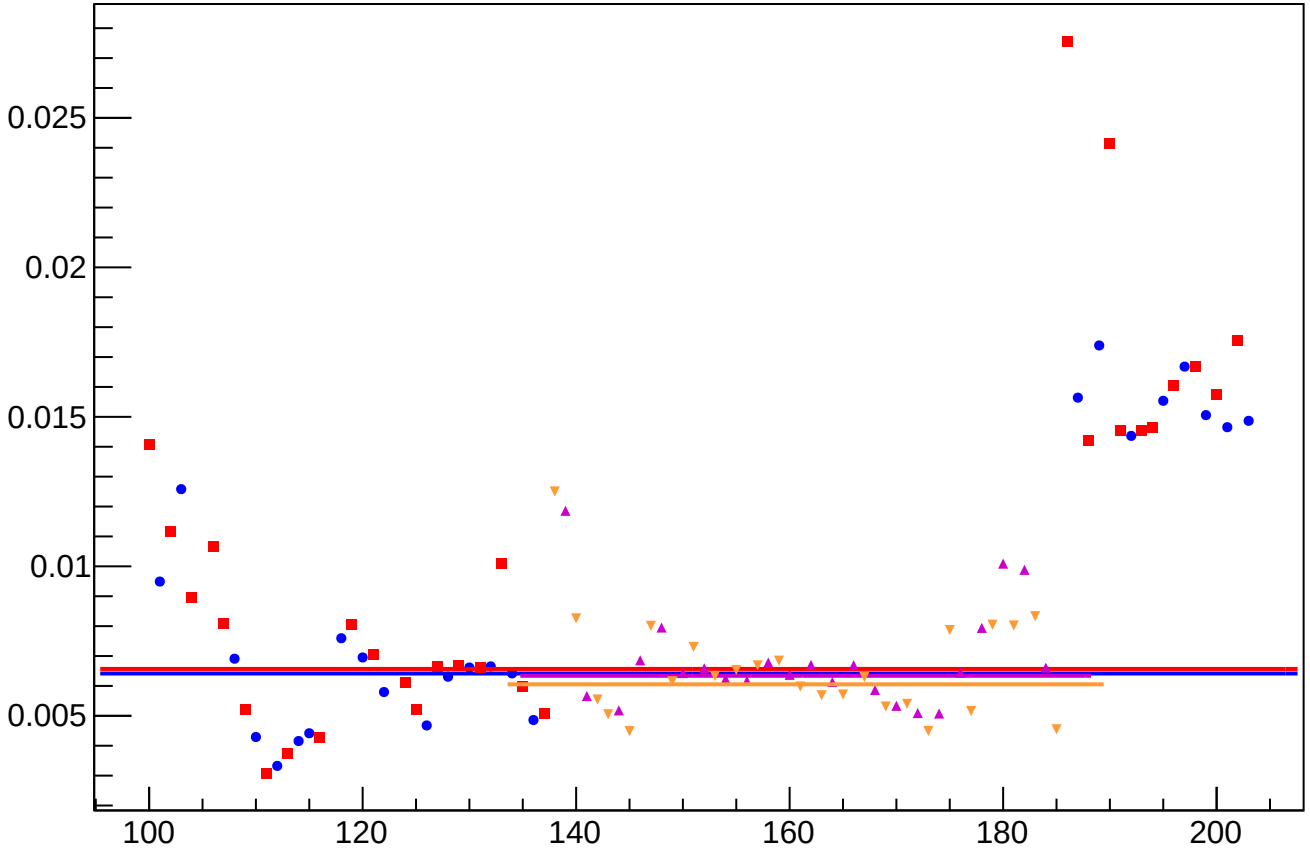
Right: 10.002+/-0.000 χ^2/NDF: 80450583946.5/52

In: 9.339+/-0.000 χ^2/NDF:231575760349.8/46

Out: 9.323+/-0.000 χ^2/NDF:278859299525.2/53

All: 9.331+/-0.000 χ^2/NDF: 510508497633.5

yield_sam8_rms vs Slug, Sign Corrected



Right In: 0.006+/-0.000 χ^2/NDF: 5684623.6/23

Left Out: 0.006+/-0.000 χ^2/NDF:1461022.8/24

Right Out: 0.007+/-0.000 χ^2/NDF: 7379633.8/28

Left In: 0.006+/-0.000 χ^2/NDF:1175260.9/22

Left: 0.006+/-0.000 χ^2/NDF: 2667941.0/47

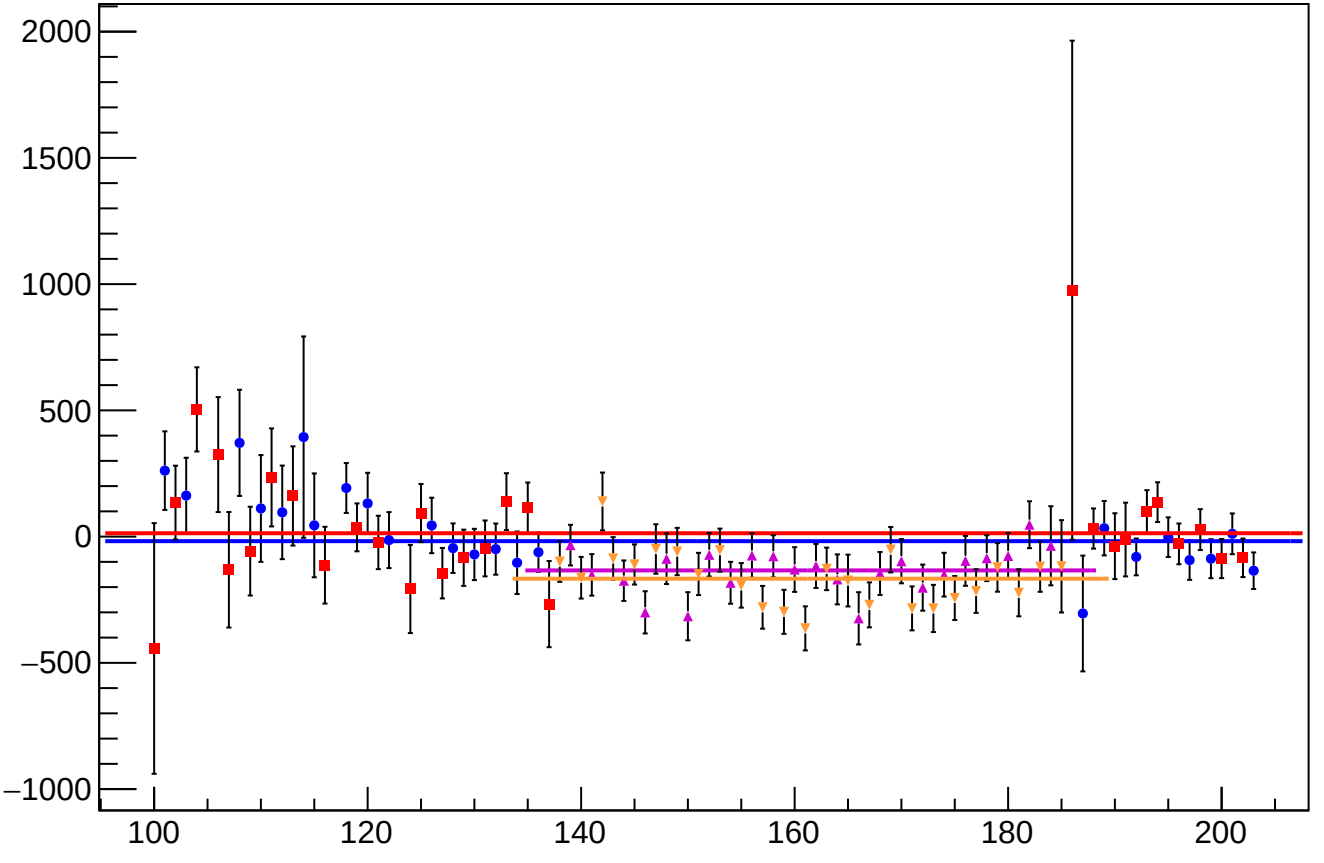
Right: 0.006+/-0.000 χ^2/NDF: 13069468.1/52

In: 0.006+/-0.000 χ^2/NDF:6861448.1/46

Out: 0.006+/-0.000 χ^2/NDF:8917970.5/53

All: 0.006+/-0.000 χ^2/NDF: 15790380.9/100

reg_asym_sam1_mean vs Slug, Sign Corrected



Right In: -18.049+/-21.384 χ^2/NDF: 24.7/23

Left Out: -166.676+/-18.079 χ^2/NDF:31.6/24

Right Out: 13.324+/-21.116 χ^2/NDF: 34.2/28

Left In: -133.843+/-18.756 χ^2/NDF:20.7/22

Left: -150.863+/-13.016 χ^2/NDF: 54.0/47

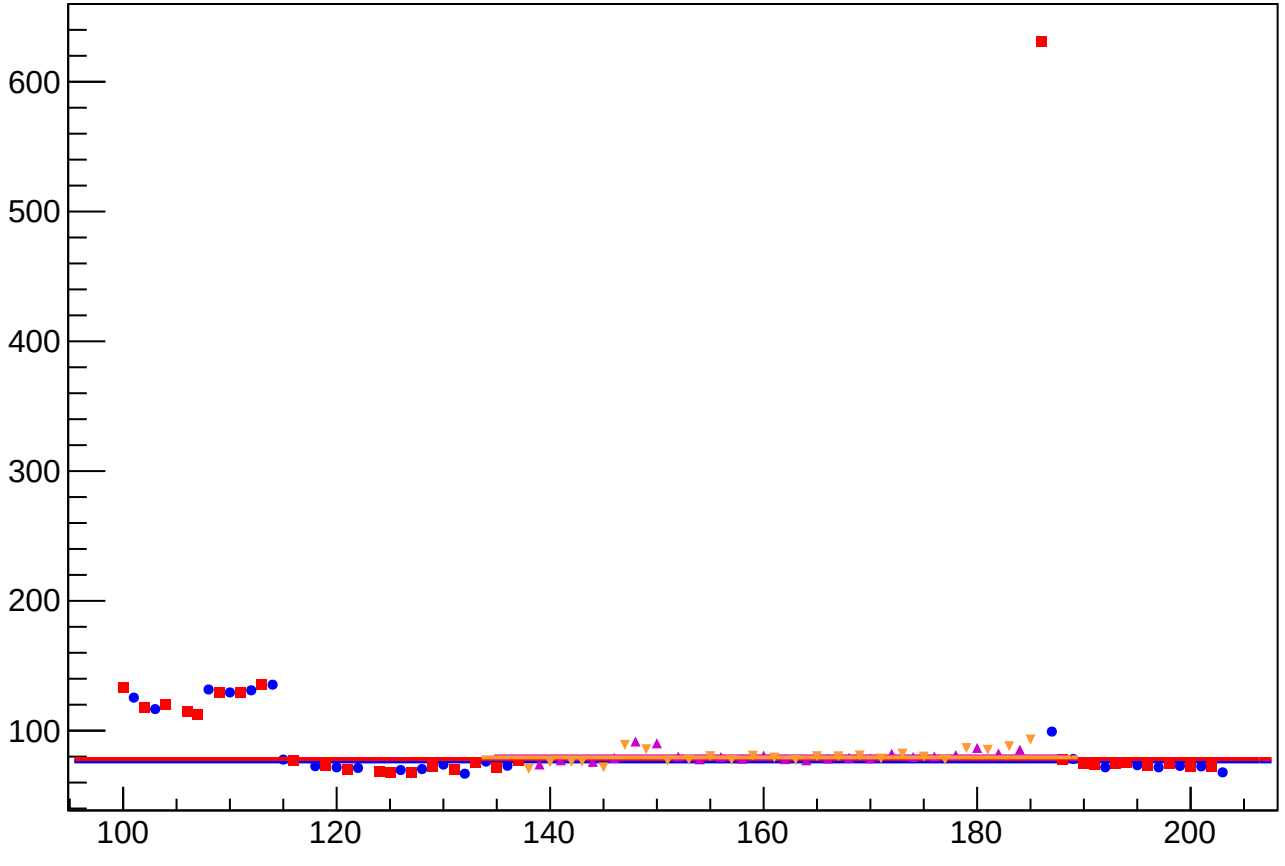
Right: -2.165+/-15.025 χ^2/NDF: 59.9/52

In: -83.496+/-14.101 χ^2/NDF:62.0/46

Out: -90.539+/-13.733 χ^2/NDF:107.7/53

All: -87.111+/-9.838 χ^2/NDF: 169.9/100

reg_asym_sam1_rms vs Slug, Sign Corrected



Right In: 76.309+/-0.015 χ^2/NDF: 948507.3/23

Left Out: 79.410+/-0.013 χ^2/NDF:134796.0/24

Right Out: 78.145+/-0.015 χ^2/NDF: 1631741.2/28

Left In: 80.160+/-0.013 χ^2/NDF:91469.5/22

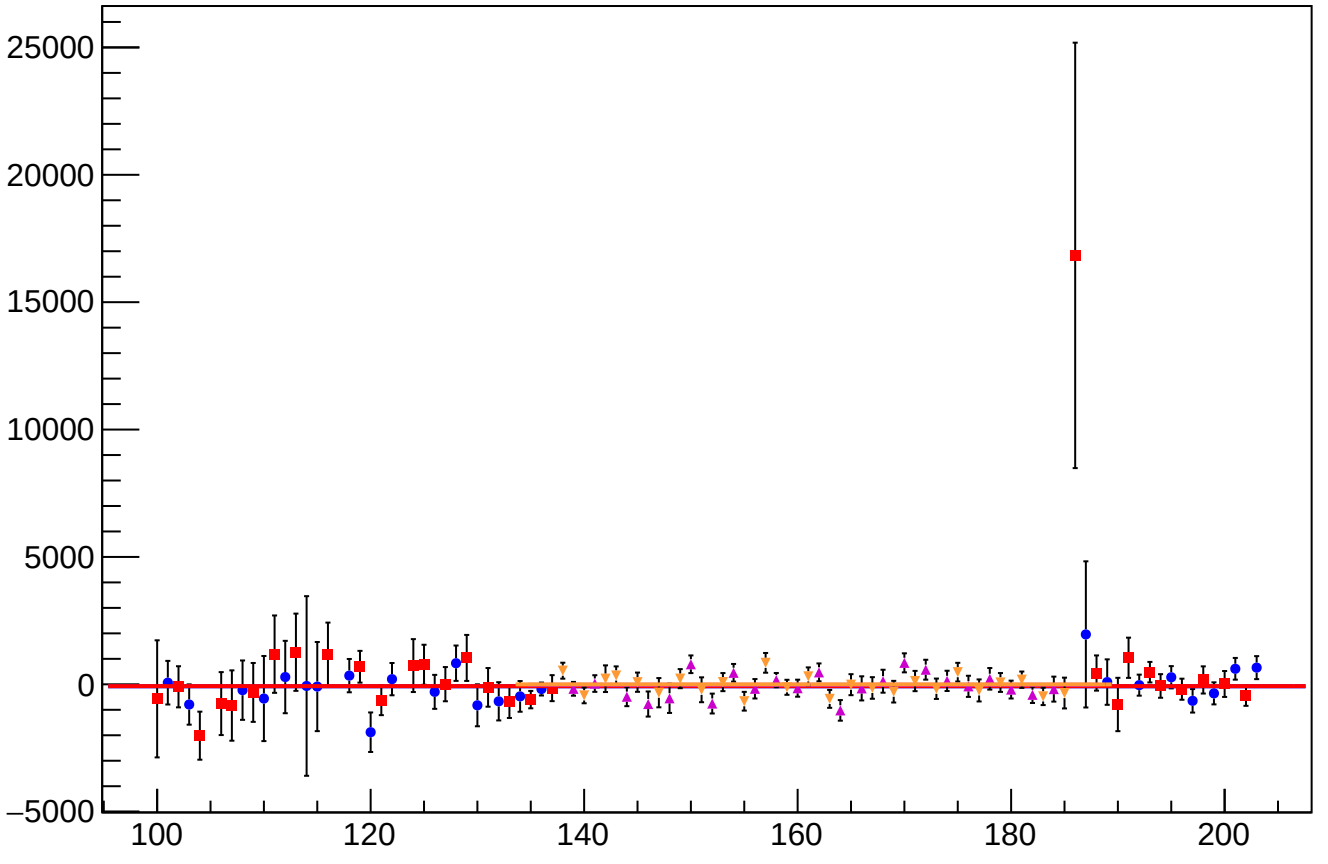
Left: 79.771+/-0.009 χ^2/NDF: 227922.3/47

Right: 77.239+/-0.011 χ^2/NDF: 2587711.5/52

In: 78.486+/-0.010 χ^2/NDF:1076636.2/46

Out: 78.875+/-0.010 χ^2/NDF:1770681.7/53

All: 78.686+/-0.007 χ^2/NDF: 2848100.6/100



Right In: -79.094+/-119.337 χ^2/NDF: 19.3/23

Left Out: -3.474+/-75.863 χ^2/NDF:24.0/24

Right Out: -71.365+/-120.022 χ^2/NDF: 26.6/28

Left In: -19.298+/-77.541 χ^2/NDF:35.0/22

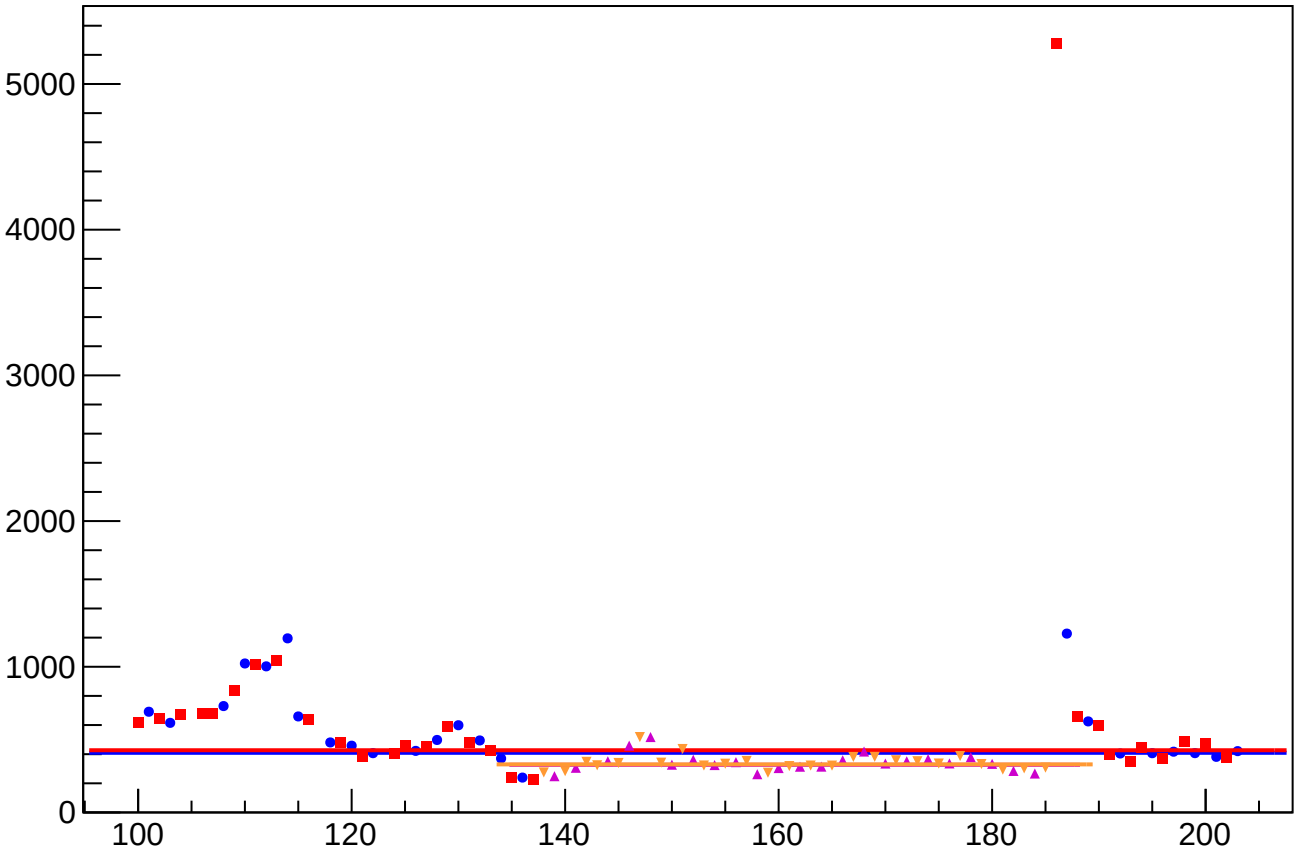
Left: -11.213+/-54.227 χ^2/NDF: 59.1/47

Right: -75.252+/-84.625 χ^2/NDF: 45.8/52

In: -37.049+/-65.020 χ^2/NDF:54.4/46

Out: -22.855+/-64.127 χ^2/NDF:50.9/53

All: -29.854+/-45.657 χ^2/NDF: 105.3/100



Right In: 409.466+/-0.084 χ^2/NDF: 2653609.2/23

Left Out: 329.968+/-0.054 χ^2/NDF:659241.4/24

Right Out: 426.985+/-0.085 χ^2/NDF: 3514082.7/28

Left In: 326.963+/-0.055 χ^2/NDF:899326.3/22

Left: 328.498+/-0.038 χ^2/NDF: 1560101.8/47

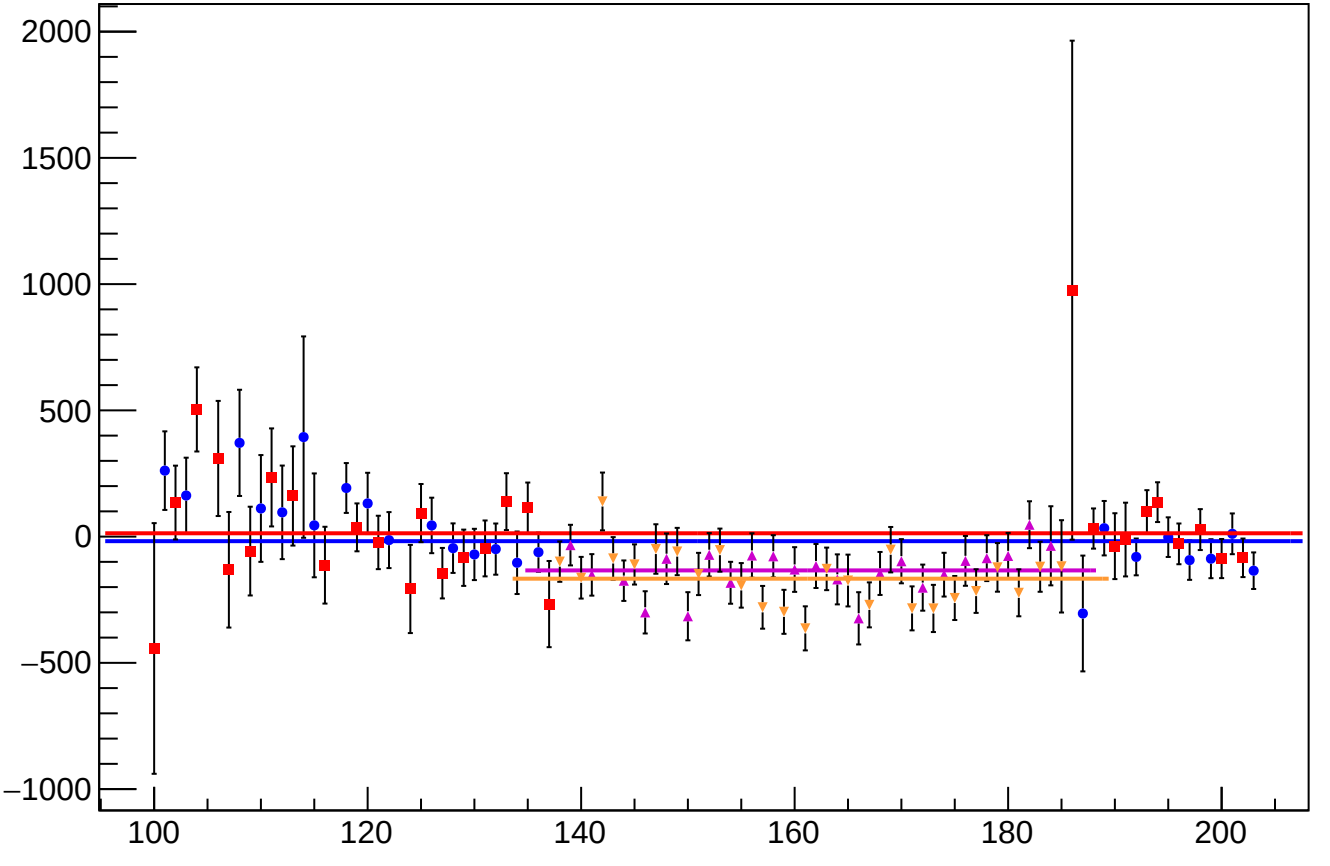
Right: 418.175+/-0.060 χ^2/NDF: 6189118.2/52

In: 351.455+/-0.046 χ^2/NDF:4225076.9/46

Out: 357.663+/-0.045 χ^2/NDF:5107054.2/53

All: 354.602+/-0.032 χ^2/NDF: 9341372.5/100

cor_asym_sam1_mean vs Slug, Sign Corrected



Right In: -18.044+/-21.384 χ^2/NDF: 24.7/23

Left Out: -166.675+/-18.079 χ^2/NDF:31.6/24

Right Out: 13.186+/-21.116 χ^2/NDF: 34.0/28

Left In: -133.850+/-18.756 χ^2/NDF:20.7/22

Left: -150.865+/-13.016 χ^2/NDF: 54.0/47

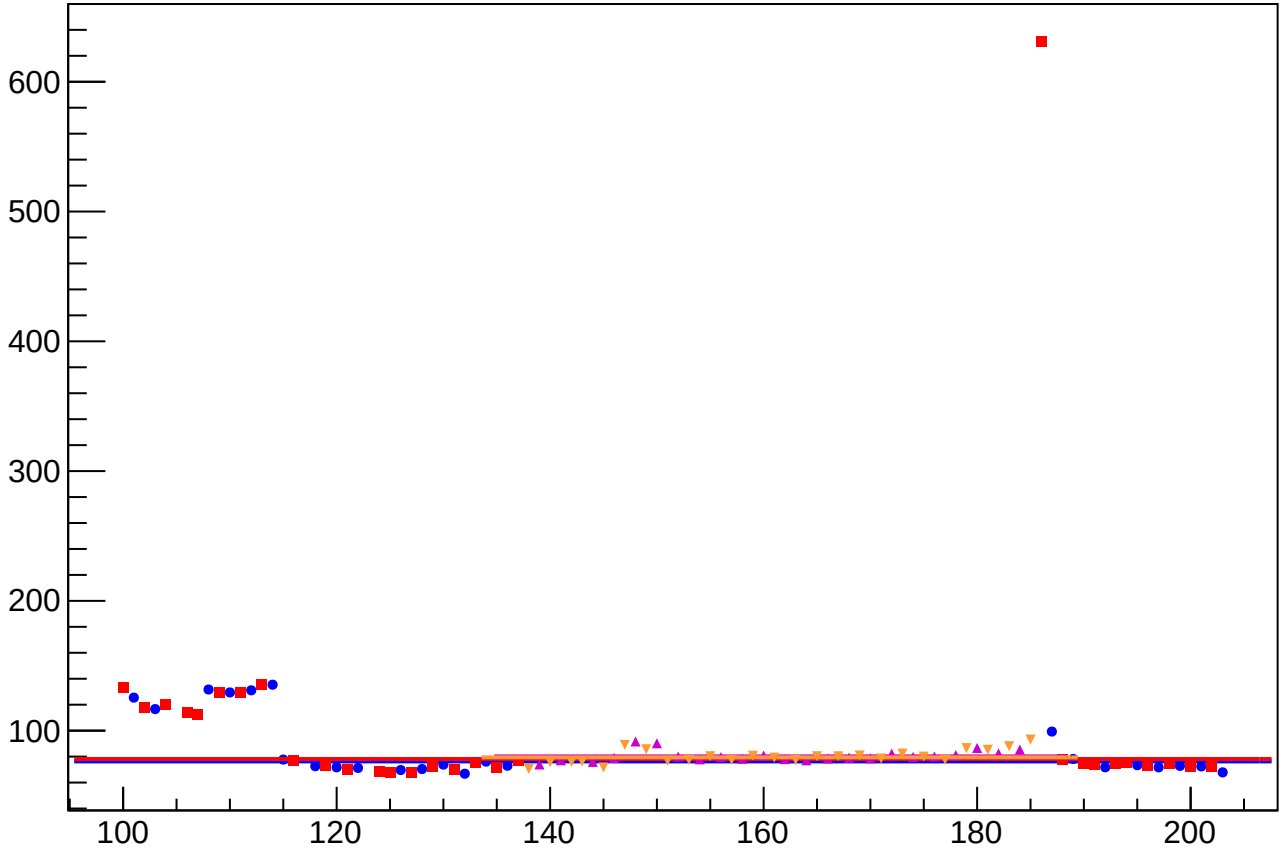
Right: -2.232+/-15.025 χ^2/NDF: 59.7/52

In: -83.497+/-14.101 χ^2/NDF:62.0/46

Out: -90.598+/-13.733 χ^2/NDF:107.5/53

All: -87.141+/-9.838 χ^2/NDF: 169.6/100

cor_asym_sam1_rms vs Slug, Sign Corrected



Right In: 76.309+/-0.015 χ^2/NDF: 948507.5/23

Left Out: 79.410+/-0.013 χ^2/NDF:134796.1/24

Right Out: 78.138+/-0.015 χ^2/NDF: 1629628.5/28

Left In: 80.160+/-0.013 χ^2/NDF:91469.5/22

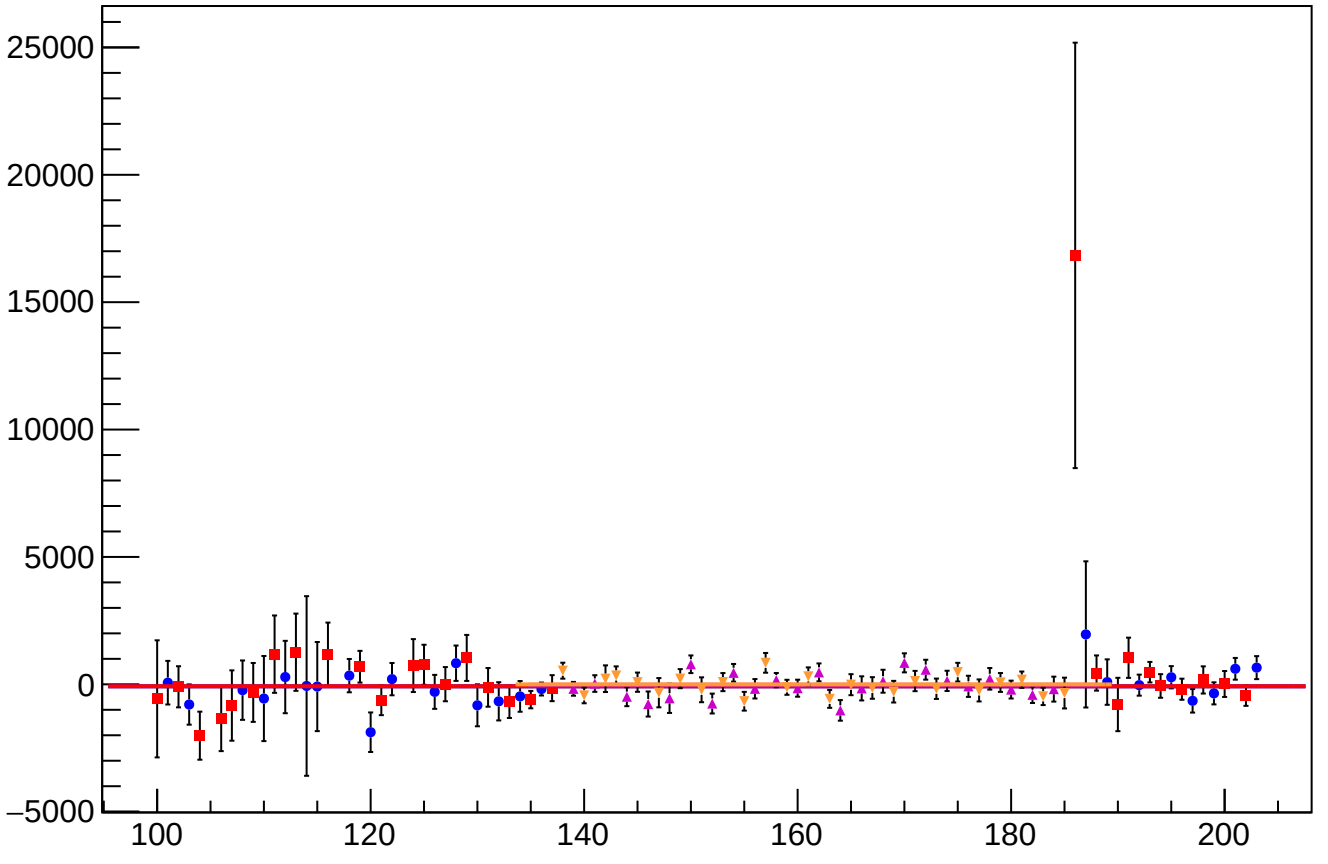
Left: 79.771+/-0.009 χ^2/NDF: 227922.4/47

Right: 77.235+/-0.011 χ^2/NDF: 2585541.6/52

In: 78.486+/-0.010 χ^2/NDF:1076636.4/46

Out: 78.872+/-0.010 χ^2/NDF:1768615.3/53

All: 78.684+/-0.007 χ^2/NDF: 2846022.4/100



Right In: -79.093+/-119.337 χ^2/NDF: 19.3/23

Left Out: -3.474+/-75.863 χ^2/NDF:24.0/24

Right Out: -76.235+/-120.057 χ^2/NDF: 27.3/28

Left In: -19.305+/-77.541 χ^2/NDF:35.0/22

Left: -11.216+/-54.227 χ^2/NDF: 59.1/47

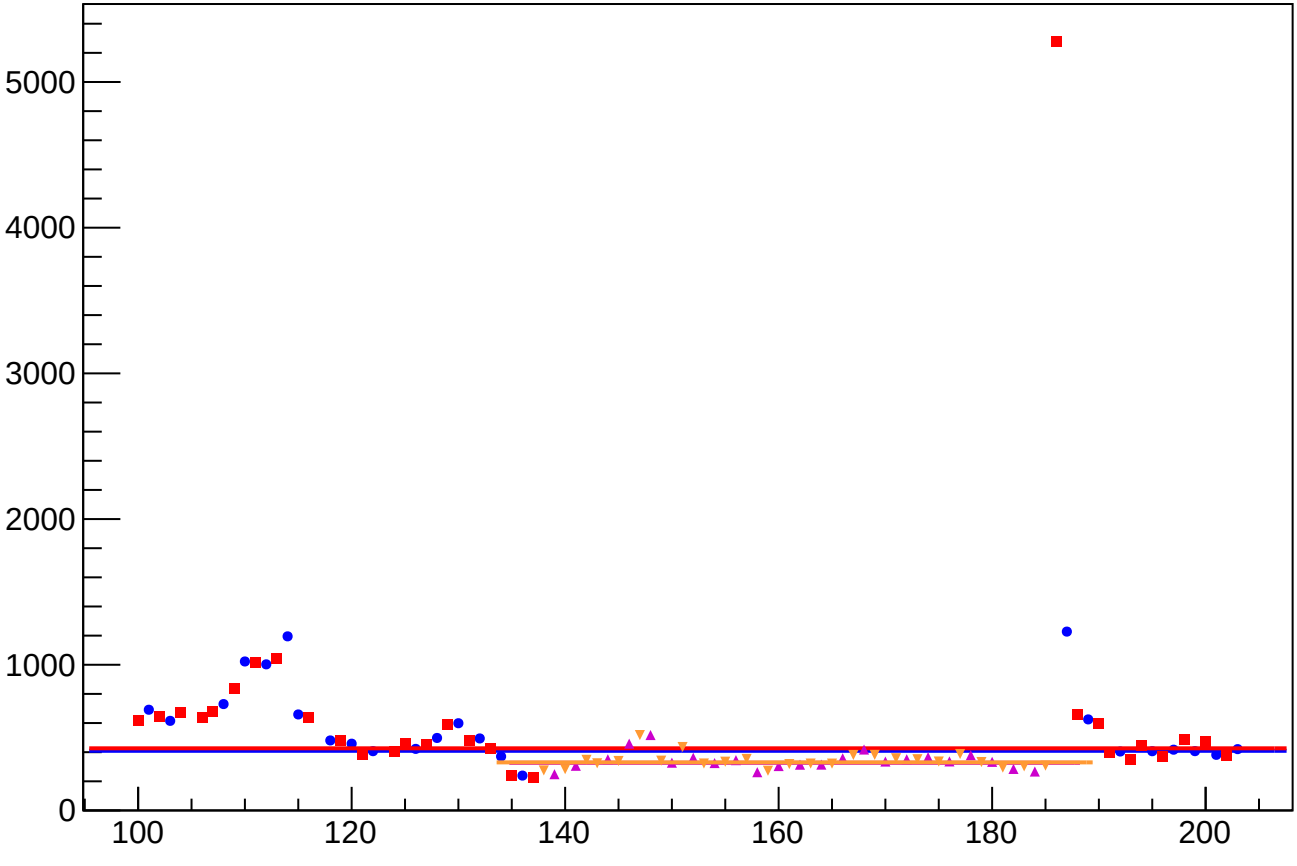
Right: -77.673+/-84.637 χ^2/NDF: 46.5/52

In: -37.054+/-65.020 χ^2/NDF:54.4/46

Out: -24.236+/-64.132 χ^2/NDF:51.6/53

All: -30.557+/-45.659 χ^2/NDF: 106.1/100

asym_sam1_cor_correction_rms vs Slug, Sign Corrected



Right In: 409.466+/-0.084 χ^2/NDF: 2653603.7/23

Left Out: 329.968+/-0.054 χ^2/NDF:659249.8/24

Right Out: 426.493+/-0.085 χ^2/NDF: 3486488.7/28

Left In: 326.963+/-0.055 χ^2/NDF:899329.3/22

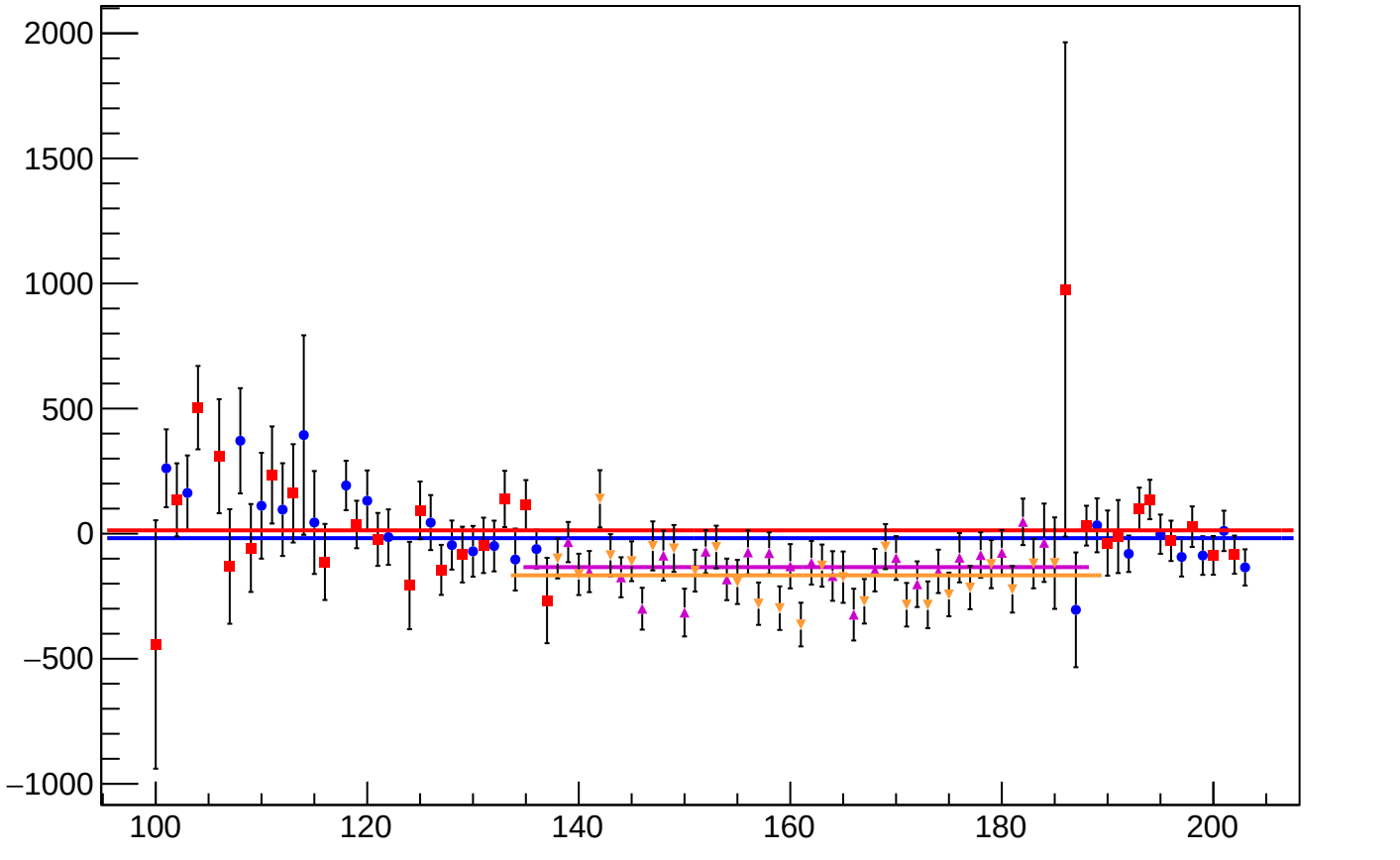
Left: 328.498+/-0.038 χ^2/NDF: 1560113.2/47

Right: 417.929+/-0.060 χ^2/NDF: 6160327.5/52

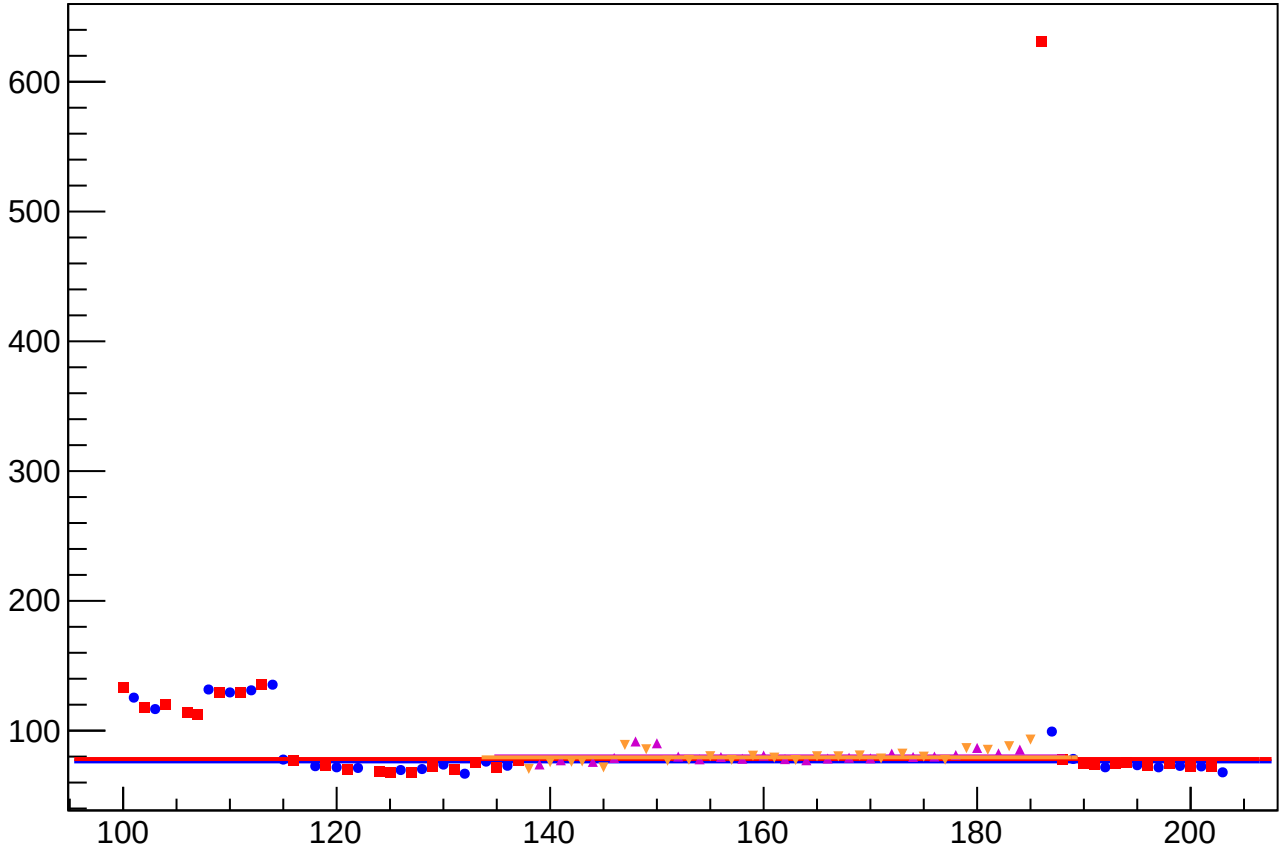
In: 351.455+/-0.046 χ^2/NDF:4225077.3/46

Out: 357.511+/-0.045 χ^2/NDF:5069661.5/53

All: 354.525+/-0.032 χ^2/NDF: 9303533.8/100


eigen_cor_asym_sam1_mean vs Slug, Sign Corrected
2000
1500
1000
500
0
−500
−1000
100
120
140
160
180
200
Right In: -18.044+/-21.384 χ²/NDF: 24.7/23
Left Out: -166.675+/-18.079 χ²/NDF:31.6/24
Right Out: 13.186+/-21.116 χ²/NDF: 34.0/28
Left In: -133.850+/-18.756 χ²/NDF:20.7/22
Left: -150.865+/-13.016 χ²/NDF: 54.0/47
Right: -2.232+/-15.025 χ²/NDF: 59.7/52
In: -83.497+/-14.101 χ²/NDF:62.0/46
Out: -90.598+/-13.733 χ²/NDF:107.5/53
All: -87.141+/-9.838 χ²/NDF: 169.6/100

eigen_cor_asym_sam1_rms vs Slug, Sign Corrected



Right In: 76.309+/-0.015 χ^2/NDF: 948507.5/23

Left Out: 79.410+/-0.013 χ^2/NDF:134796.1/24

Right Out: 78.138+/-0.015 χ^2/NDF: 1629628.5/28

Left In: 80.160+/-0.013 χ^2/NDF:91469.5/22

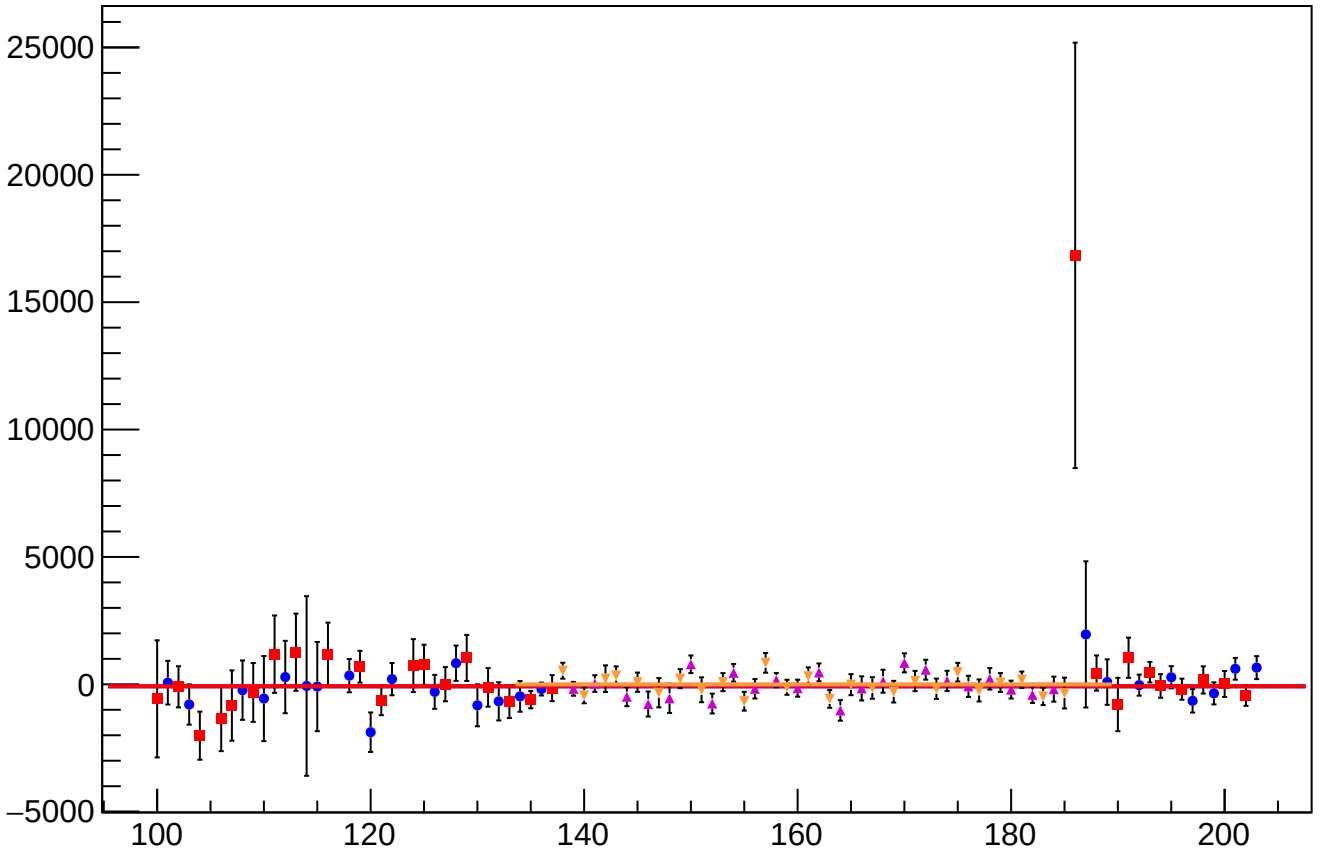
Left: 79.771+/-0.009 χ^2/NDF: 227922.4/47

Right: 77.235+/-0.011 χ^2/NDF: 2585541.6/52

In: 78.486+/-0.010 χ^2/NDF:1076636.4/46

Out: 78.872+/-0.010 χ^2/NDF:1768615.3/53

All: 78.684+/-0.007 χ^2/NDF: 2846022.4/100



Right In: -79.093+/-119.337 χ^2/NDF: 19.3/23

Left Out: -3.474+/-75.863 χ^2/NDF:24.0/24

Right Out: -76.235+/-120.057 χ^2/NDF: 27.3/28

Left In: -19.305+/-77.541 χ^2/NDF:35.0/22

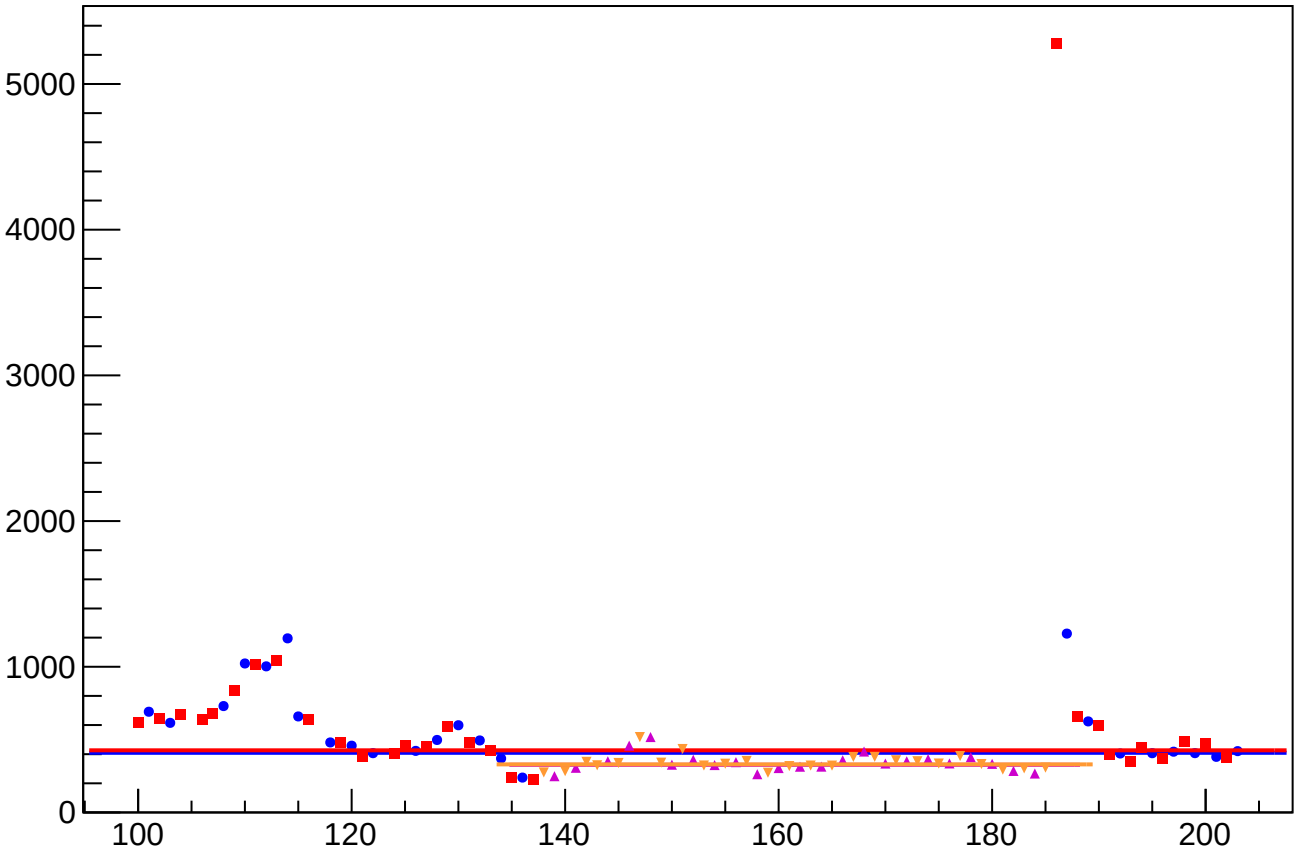
Left: -11.216+/-54.227 χ^2/NDF: 59.1/47

Right: -77.673+/-84.637 χ^2/NDF: 46.5/52

In: -37.054+/-65.020 χ^2/NDF:54.4/46

Out: -24.236+/-64.132 χ^2/NDF:51.6/53

All: -30.557+/-45.659 χ^2/NDF: 106.1/100



Right In: 409.466+/-0.084 χ^2/NDF: 2653603.7/23

Left Out: 329.968+/-0.054 χ^2/NDF:659249.8/24

Right Out: 426.493+/-0.085 χ^2/NDF: 3486488.7/28

Left In: 326.963+/-0.055 χ^2/NDF:899329.3/22

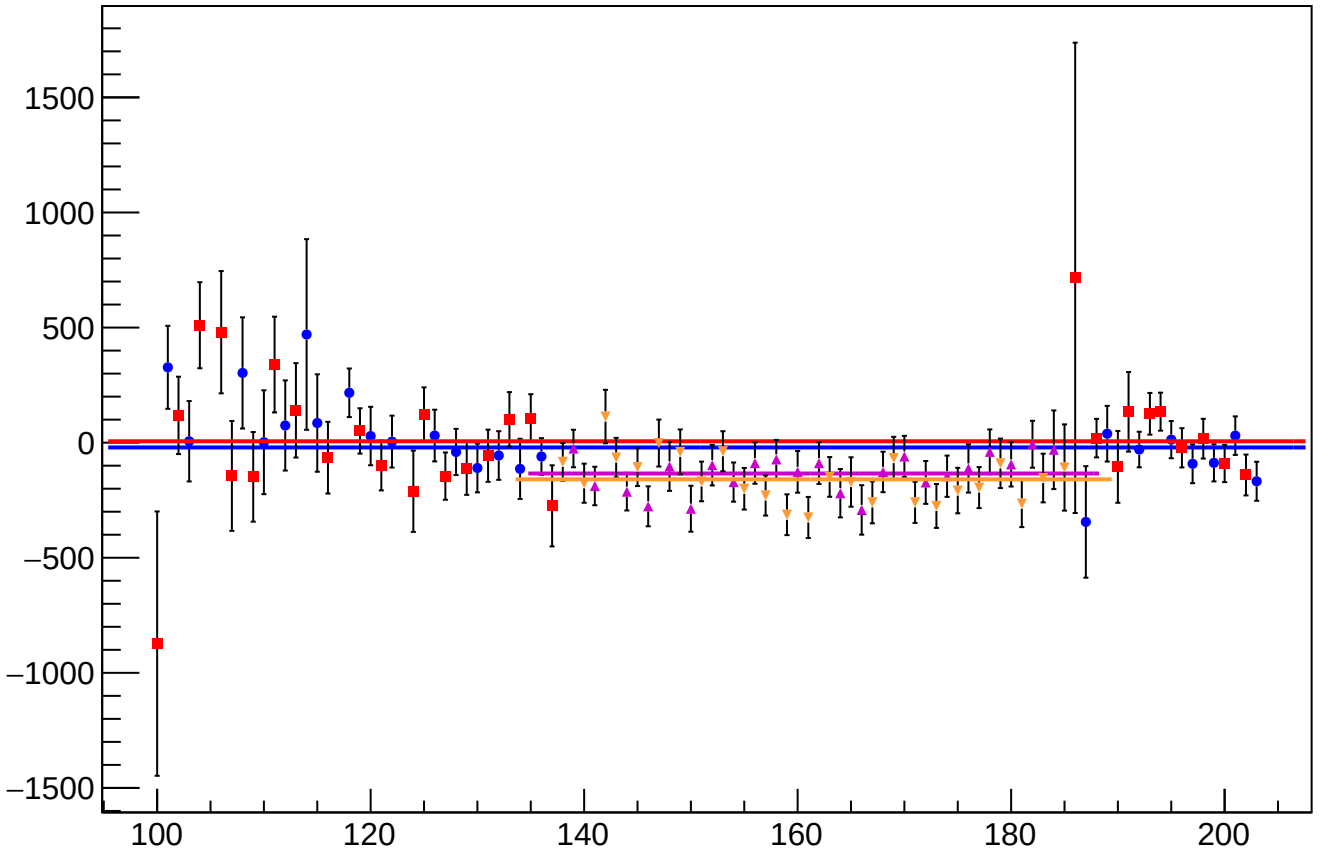
Left: 328.498+/-0.038 χ^2/NDF: 1560113.2/47

Right: 417.929+/-0.060 χ^2/NDF: 6160327.5/52

In: 351.455+/-0.046 χ^2/NDF:4225077.3/46

Out: 357.511+/-0.045 χ^2/NDF:5069661.5/53

All: 354.525+/-0.032 χ^2/NDF: 9303533.8/100



Right In: -20.804+/-22.701 χ^2/NDF: 21.5/23

Left Out: -159.223+/-18.749 χ^2/NDF:28.2/24

Right Out: 6.001+/-22.430 χ^2/NDF: 38.8/28

Left In: -134.010+/-19.441 χ^2/NDF:16.4/22

Left: -147.073+/-13.496 χ^2/NDF: 45.5/47

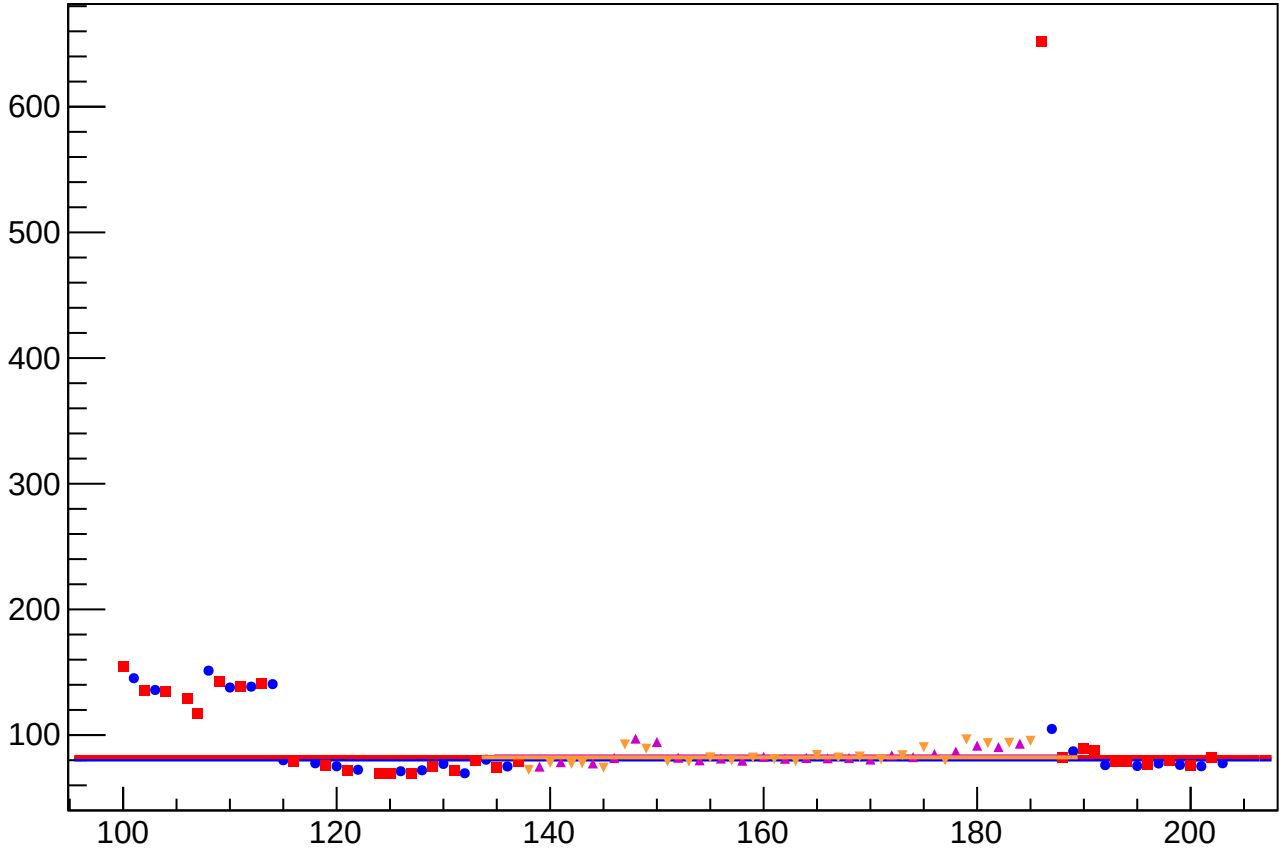
Right: -7.241+/-15.955 χ^2/NDF: 61.0/52

In: -86.112+/-14.766 χ^2/NDF:52.3/46

Out: -91.262+/-14.385 χ^2/NDF:98.9/53

All: -88.754+/-10.304 χ^2/NDF: 151.2/100

dit_asym_sam1_rms vs Slug, Sign Corrected



Right In: 80.555+/-0.016 χ^2/NDF: 1113274.1/23

Left Out: 82.247+/-0.013 χ^2/NDF:216548.3/24

Right Out: 82.582+/-0.016 χ^2/NDF: 1789545.5/28

Left In: 82.993+/-0.014 χ^2/NDF:145608.6/22

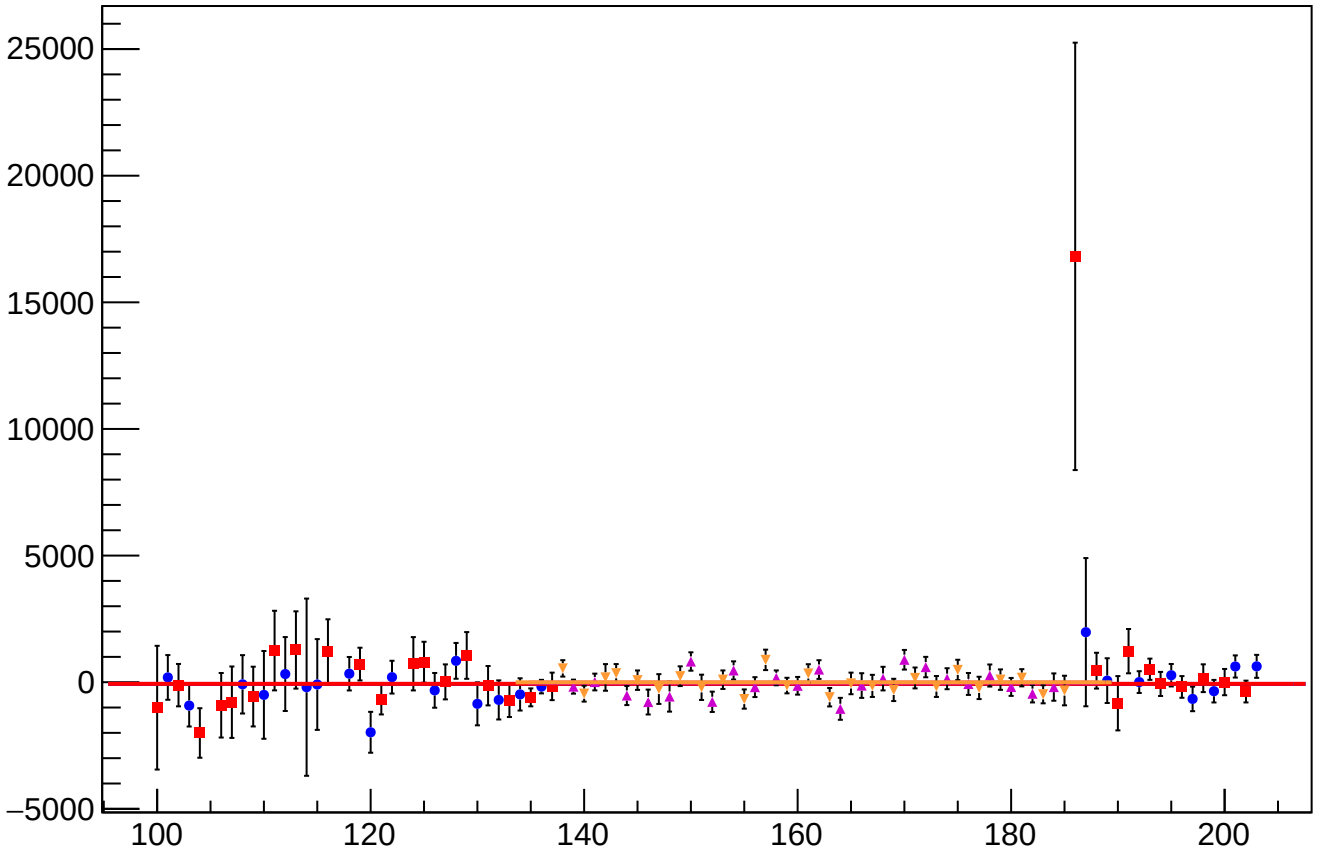
Left: 82.607+/-0.010 χ^2/NDF: 363681.9/47

Right: 81.581+/-0.011 χ^2/NDF: 2910890.2/52

In: 81.962+/-0.010 χ^2/NDF:1272189.1/46

Out: 82.385+/-0.010 χ^2/NDF:2006356.8/53

All: 82.179+/-0.007 χ^2/NDF: 3279390.1/100



Right In: -69.062+/-123.242 χ^2/NDF: 19.2/23

Left Out: -3.095+/-78.582 χ^2/NDF:23.5/24

Right Out: -65.120+/-124.570 χ^2/NDF: 26.3/28

Left In: -16.519+/-80.410 χ^2/NDF:34.9/22

Left: -9.652+/-56.201 χ^2/NDF: 58.4/47

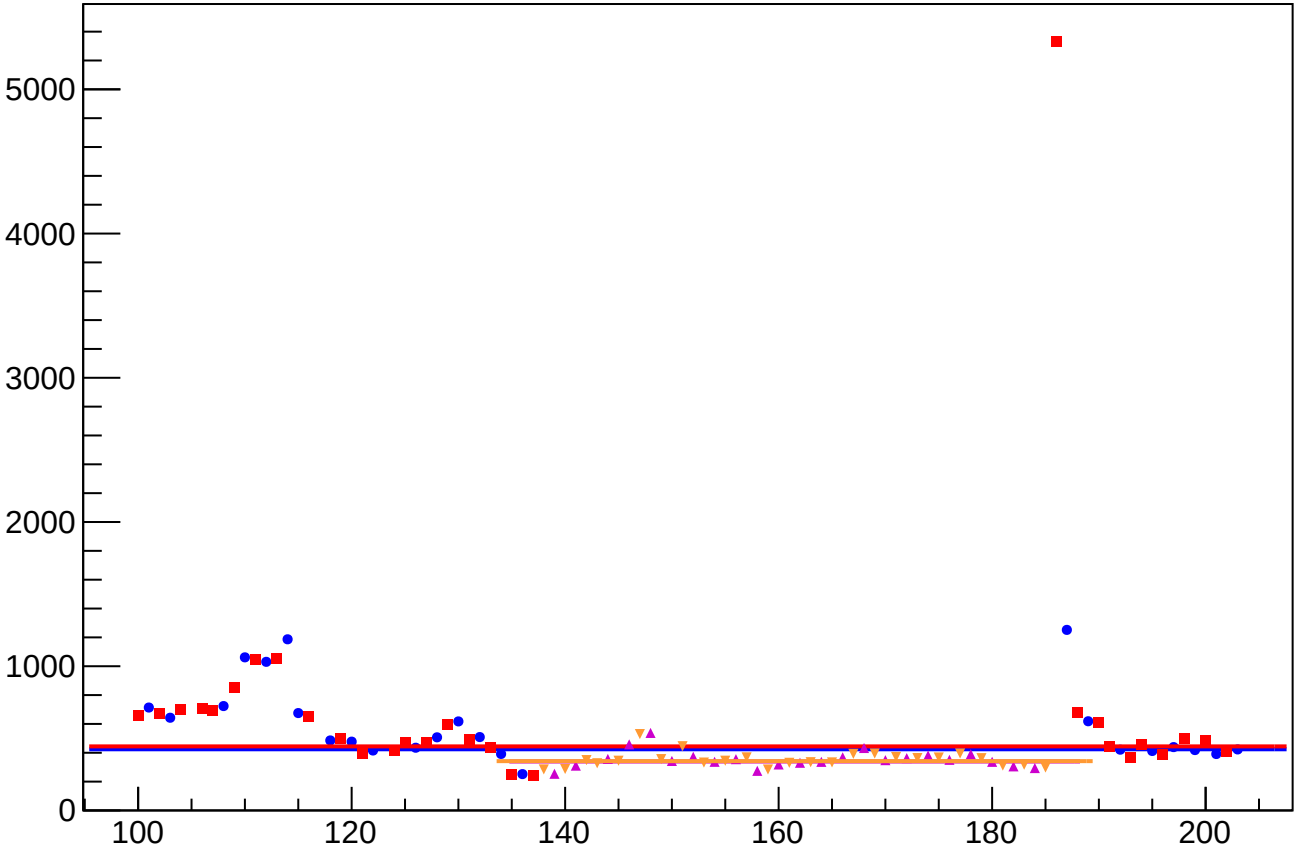
Right: -67.112+/-87.611 χ^2/NDF: 45.5/52

In: -32.208+/-67.343 χ^2/NDF:54.2/46

Out: -20.751+/-66.463 χ^2/NDF:50.0/53

All: -26.404+/-47.305 χ^2/NDF: 104.3/100

asym_sam1_dit_correction_rms vs Slug, Sign Corrected



Right In: 424.144+/-0.087 χ^2/NDF: 2527518.4/23

Left Out: 341.918+/-0.056 χ^2/NDF:653930.4/24

Right Out: 444.241+/-0.088 χ^2/NDF: 3400619.4/28

Left In: 339.430+/-0.057 χ^2/NDF:846706.0/22

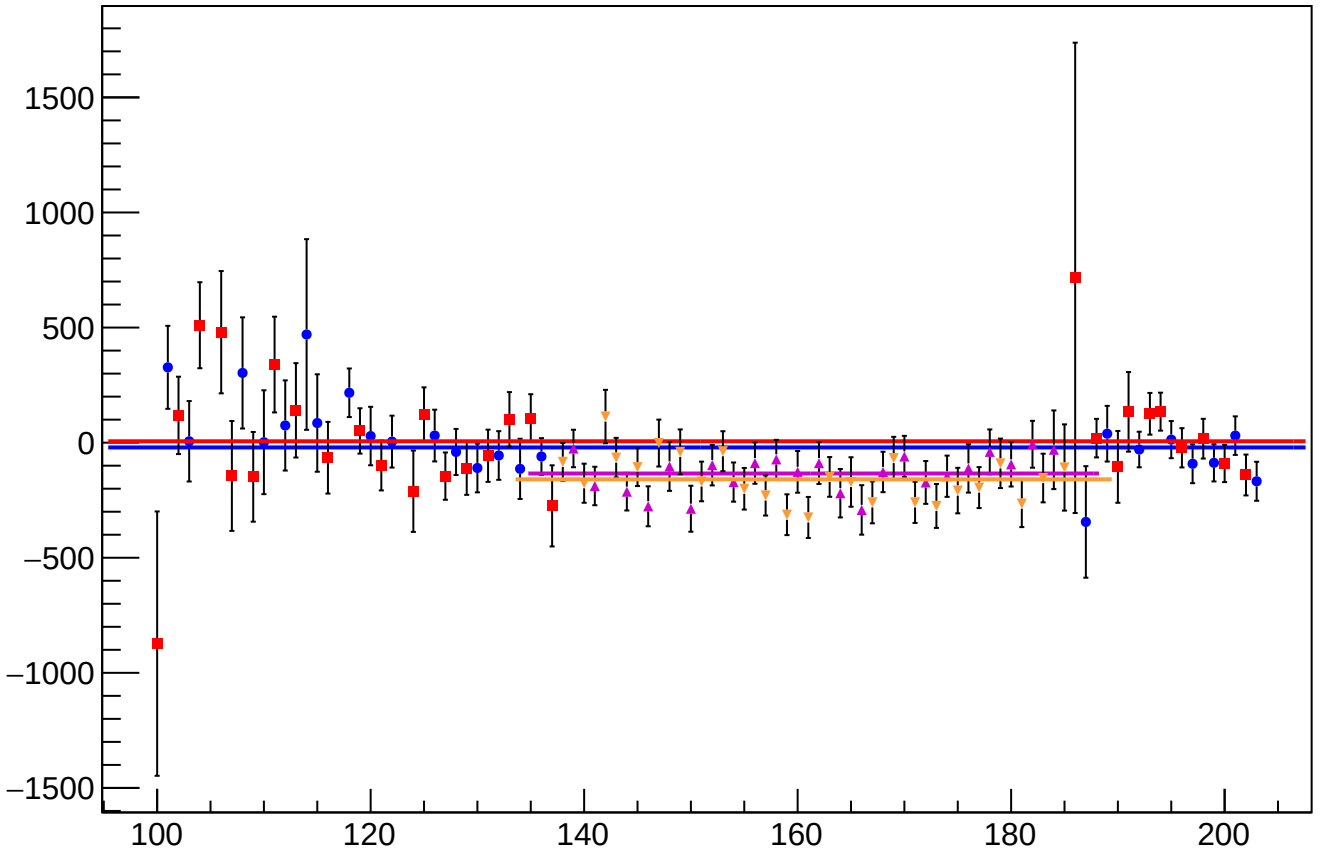
Left: 340.702+/-0.040 χ^2/NDF: 1501615.8/47

Right: 434.085+/-0.062 χ^2/NDF: 5954446.0/52

In: 364.724+/-0.048 χ^2/NDF:4037043.8/46

Out: 371.045+/-0.047 χ^2/NDF:5019856.6/53

All: 367.926+/-0.033 χ^2/NDF: 9065826.5/100



Right In: -20.804+/-22.701 χ^2/NDF: 21.5/23

Left Out: -159.223+/-18.749 χ^2/NDF:28.2/24

Right Out: 6.000+/-22.430 χ^2/NDF: 38.8/28

Left In: -134.010+/-19.441 χ^2/NDF:16.4/22

Left: -147.073+/-13.496 χ^2/NDF: 45.5/47

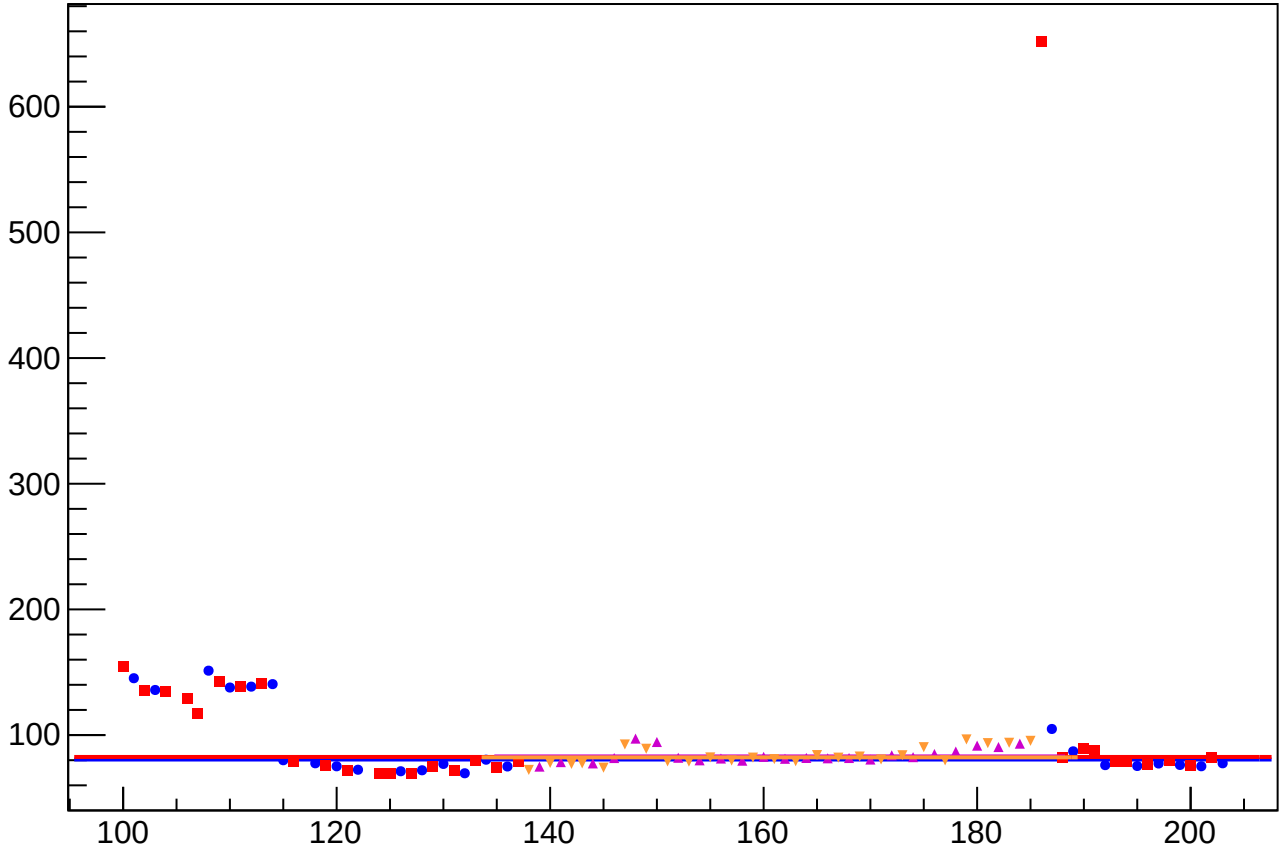
Right: -7.241+/-15.955 χ^2/NDF: 61.0/52

In: -86.112+/-14.766 χ^2/NDF:52.3/46

Out: -91.262+/-14.385 χ^2/NDF:98.9/53

All: -88.754+/-10.304 χ^2/NDF: 151.2/100

eigen_dit_asym_sam1_rms vs Slug, Sign Corrected



Right In: 80.555+/-0.016 χ^2/NDF: 1113275.5/23

Left Out: 82.247+/-0.013 χ^2/NDF:216548.5/24

Right Out: 82.582+/-0.016 χ^2/NDF: 1789545.7/28

Left In: 82.993+/-0.014 χ^2/NDF:145607.1/22

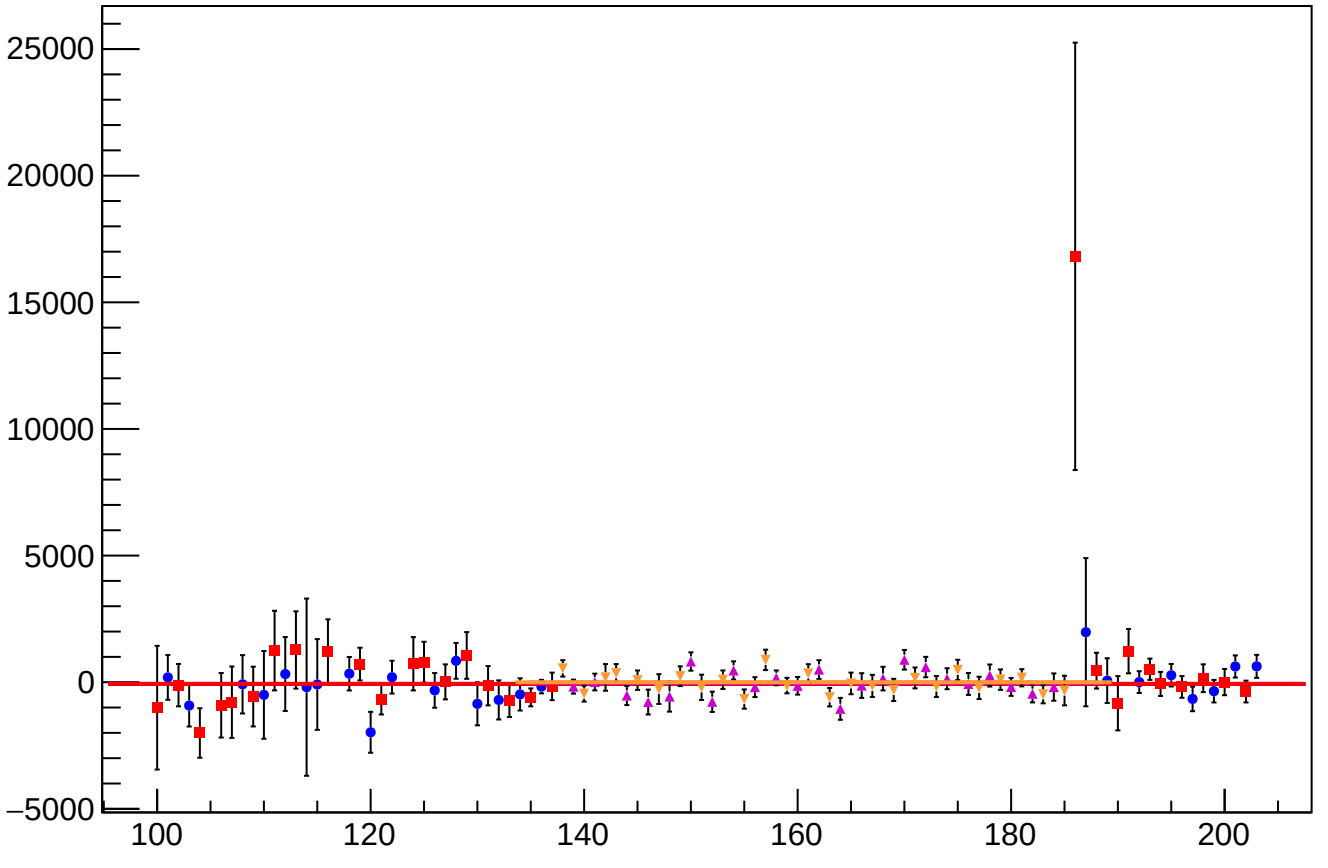
Left: 82.607+/-0.010 χ^2/NDF: 363680.5/47

Right: 81.581+/-0.011 χ^2/NDF: 2910891.6/52

In: 81.961+/-0.010 χ^2/NDF:1272190.2/46

Out: 82.385+/-0.010 χ^2/NDF:2006356.9/53

All: 82.179+/-0.007 χ^2/NDF: 3279391.3/100



Right In: -69.061+/-123.242 χ^2/NDF: 19.2/23

Left Out: -3.094+/-78.582 χ^2/NDF:23.5/24

Right Out: -65.120+/-124.570 χ^2/NDF: 26.3/28

Left In: -16.519+/-80.410 χ^2/NDF:34.9/22

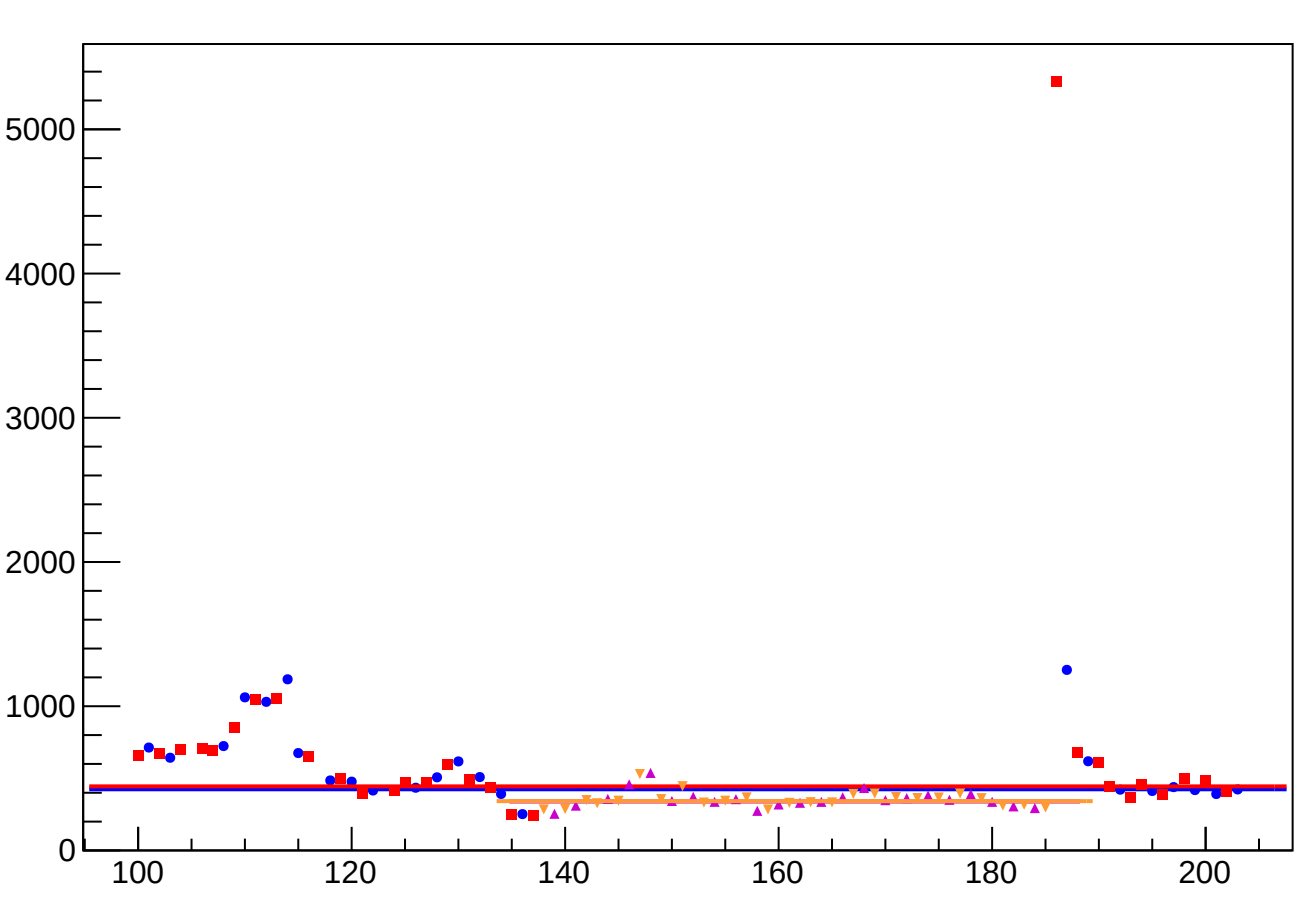
Left: -9.652+/-56.201 χ^2/NDF: 58.4/47

Right: -67.112+/-87.611 χ^2/NDF: 45.5/52

In: -32.207+/-67.343 χ^2/NDF:54.2/46

Out: -20.750+/-66.463 χ^2/NDF:50.0/53

All: -26.403+/-47.304 χ^2/NDF: 104.3/100



Right In: 424.143+/-0.087 χ^2/NDF: 2527523.9/23

Left Out: 341.918+/-0.056 χ^2/NDF:653932.3/24

Right Out: 444.240+/-0.088 χ^2/NDF: 3400628.0/28

Left In: 339.430+/-0.057 χ^2/NDF:846709.1/22

Left: 340.702+/-0.040 χ^2/NDF: 1501620.7/47

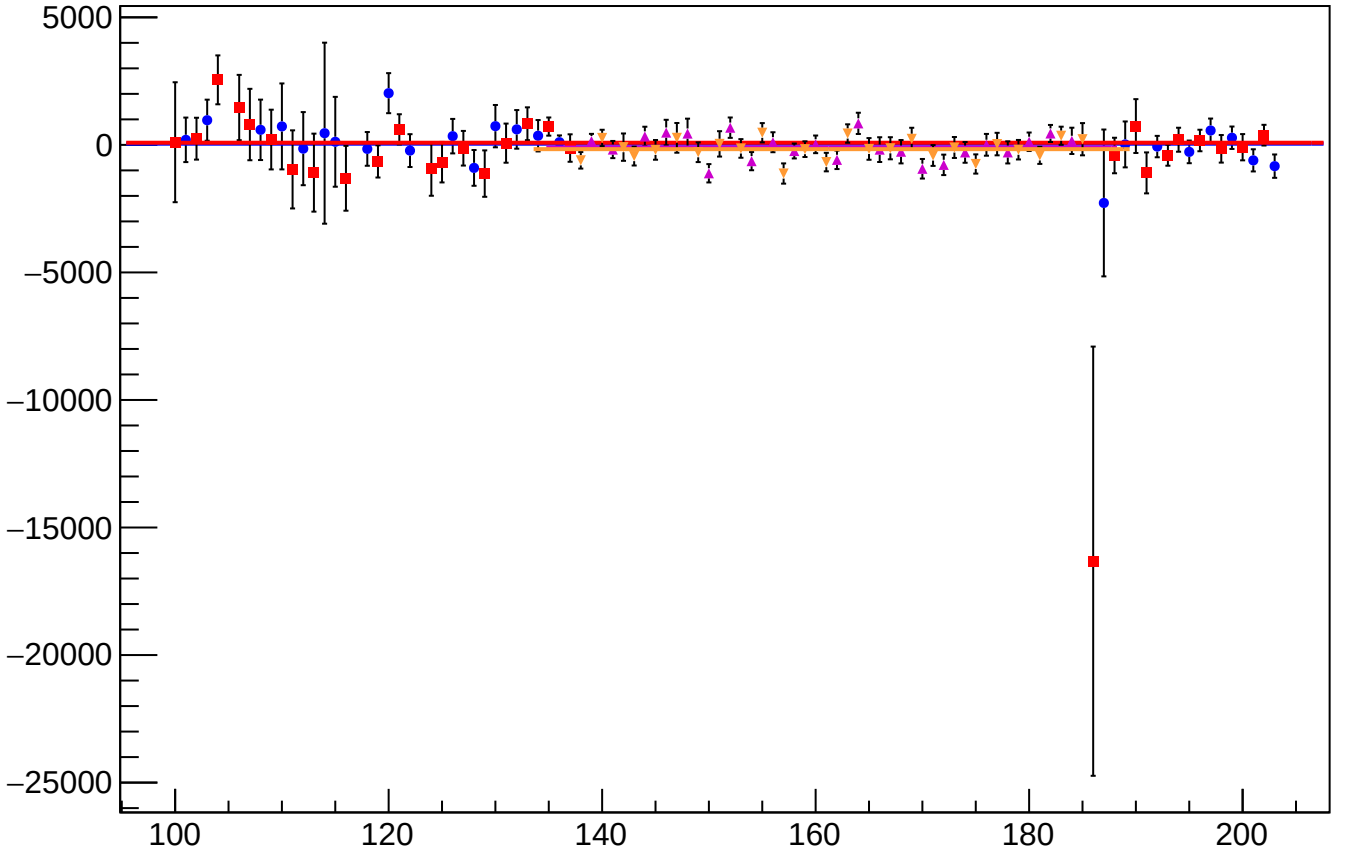
Right: 434.084+/-0.062 χ^2/NDF: 5954459.5/52

In: 364.724+/-0.048 χ^2/NDF:4037042.0/46

Out: 371.045+/-0.047 χ^2/NDF:5019850.7/53

All: 367.926+/-0.033 χ^2/NDF: 9065818.7/100

asym_sam1_mean vs Slug, Sign Corrected



Right In: 46.284+/-121.940 χ^2/NDF: 20.7/23

Left Out: -167.380+/-78.179 χ^2/NDF:25.6/24

Right Out: 84.408+/-122.540 χ^2/NDF: 30.1/28

Left In: -104.016+/-79.995 χ^2/NDF:37.5/22

Left: -136.425+/-55.912 χ^2/NDF: 63.4/47

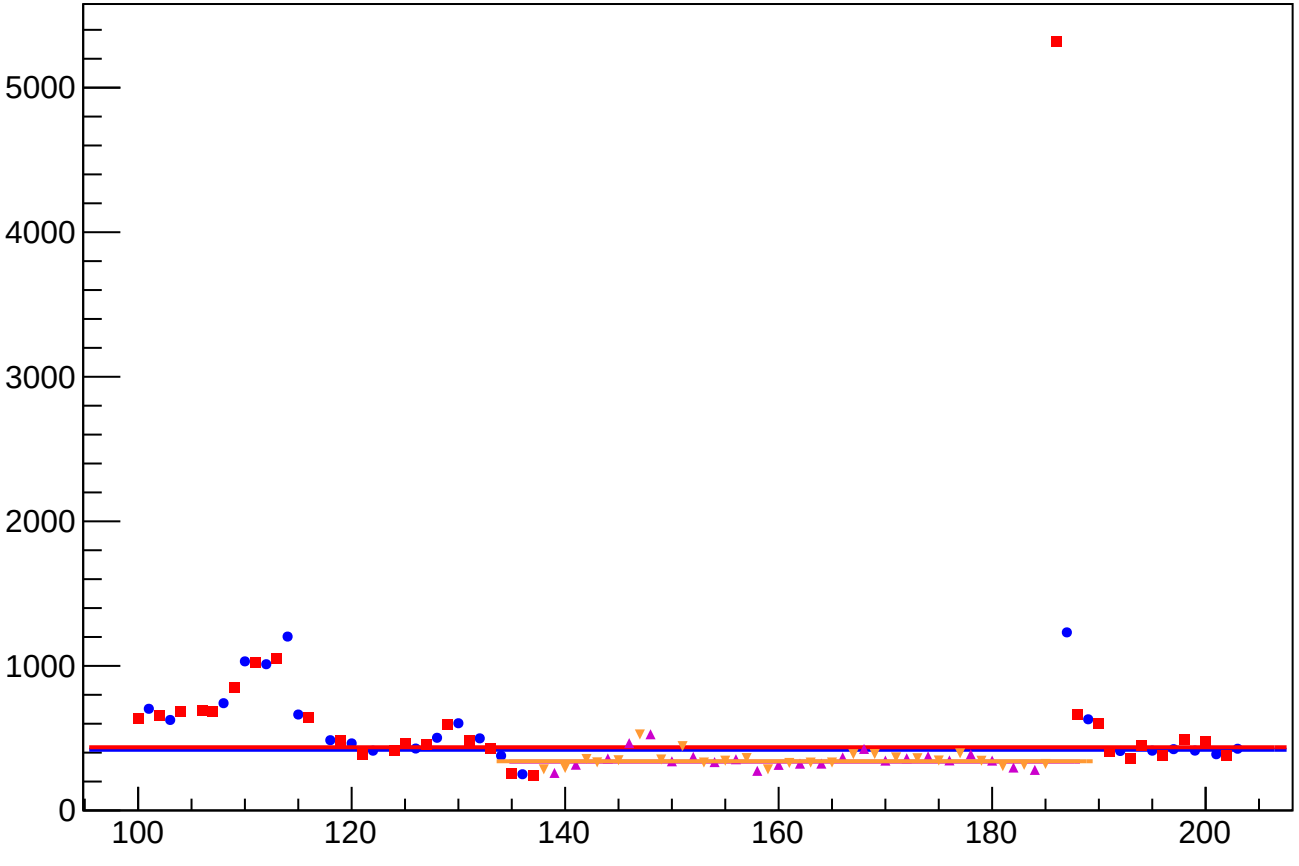
Right: 65.253+/-86.436 χ^2/NDF: 50.8/52

In: -58.794+/-66.887 χ^2/NDF:59.2/46

Out: -94.542+/-65.908 χ^2/NDF:58.7/53

All: -76.931+/-46.946 χ^2/NDF: 118.0/100

asym_sam1_rms vs Slug, Sign Corrected



Right In: 419.762+/-0.086 χ^2/NDF: 2506339.2/23

Left Out: 340.391+/-0.055 χ^2/NDF:604155.3/24

Right Out: 437.168+/-0.087 χ^2/NDF: 3359682.6/28

Left In: 337.759+/-0.057 χ^2/NDF:820674.4/22

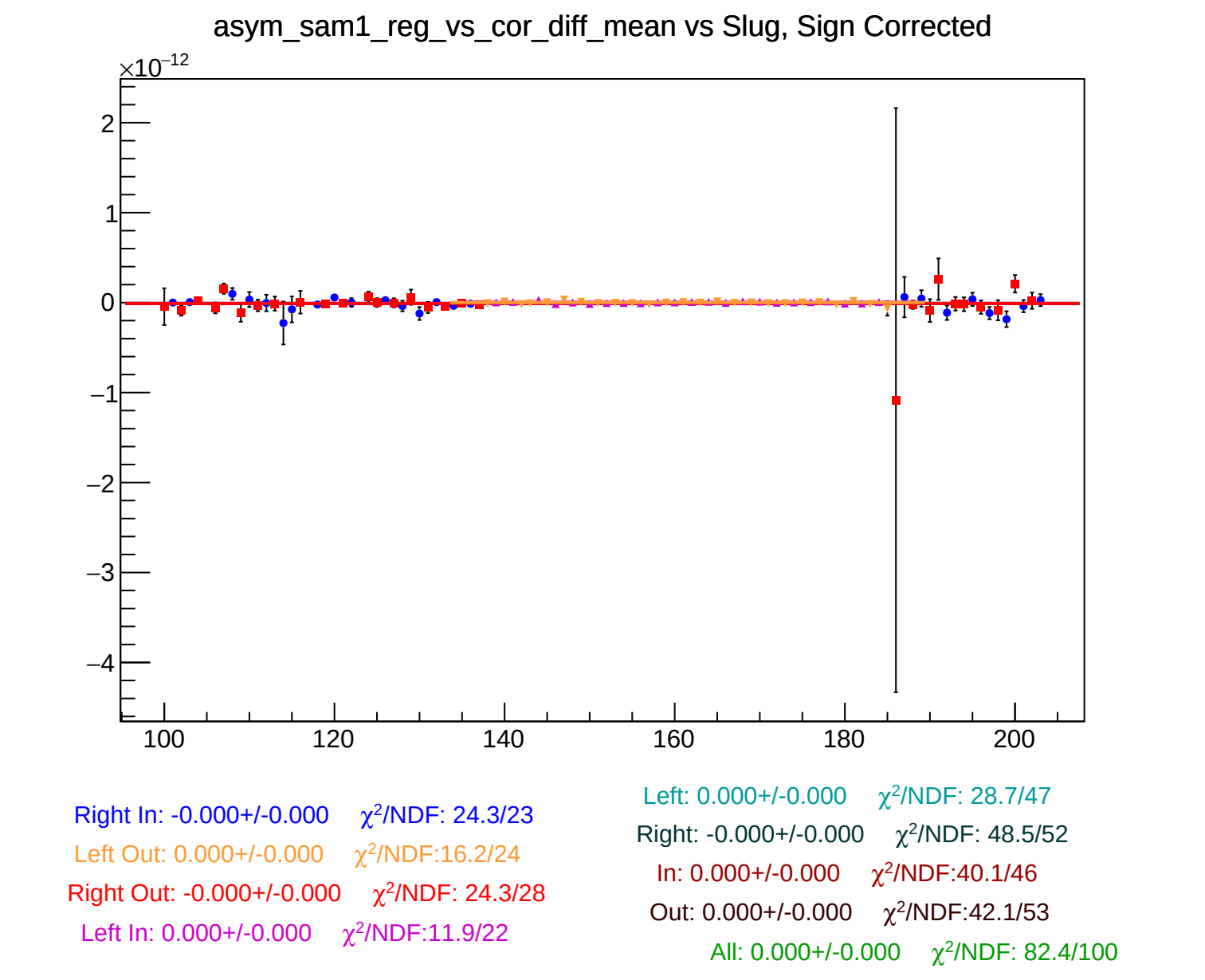
Left: 339.105+/-0.040 χ^2/NDF: 1425937.5/47

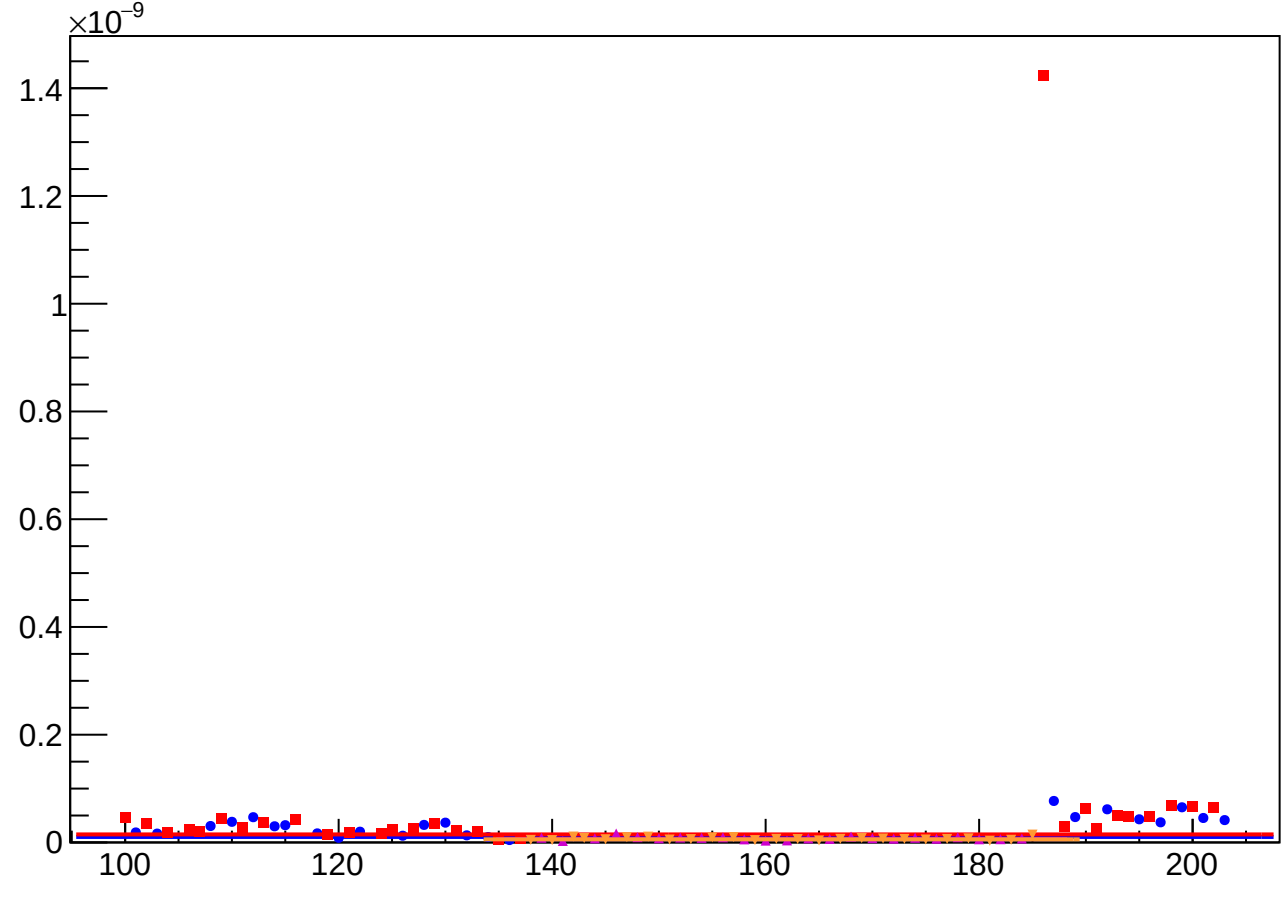
Right: 428.423+/-0.061 χ^2/NDF: 5886298.2/52

In: 362.432+/-0.047 χ^2/NDF:3959361.3/46

Out: 368.387+/-0.047 χ^2/NDF:4850419.1/53

All: 365.453+/-0.033 χ^2/NDF: 8817824.3/100


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: 24.3/23
Left Out: 0.000+/-0.000 χ²/NDF:16.2/24
Right Out: -0.000+/-0.000 χ²/NDF: 24.3/28
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: 48.5/52
In: 0.000+/-0.000 χ²/NDF:40.1/46
Out: 0.000+/-0.000 χ²/NDF:42.1/53
All: 0.000+/-0.000 χ²/NDF: 82.4/100



Right In: 0.000+/-0.000 χ^2/NDF: 6706672.5/23

Left Out: 0.000+/-0.000 χ^2/NDF:1155947.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 6775216.3/28

Left In: 0.000+/-0.000 χ^2/NDF:1970663.5/22

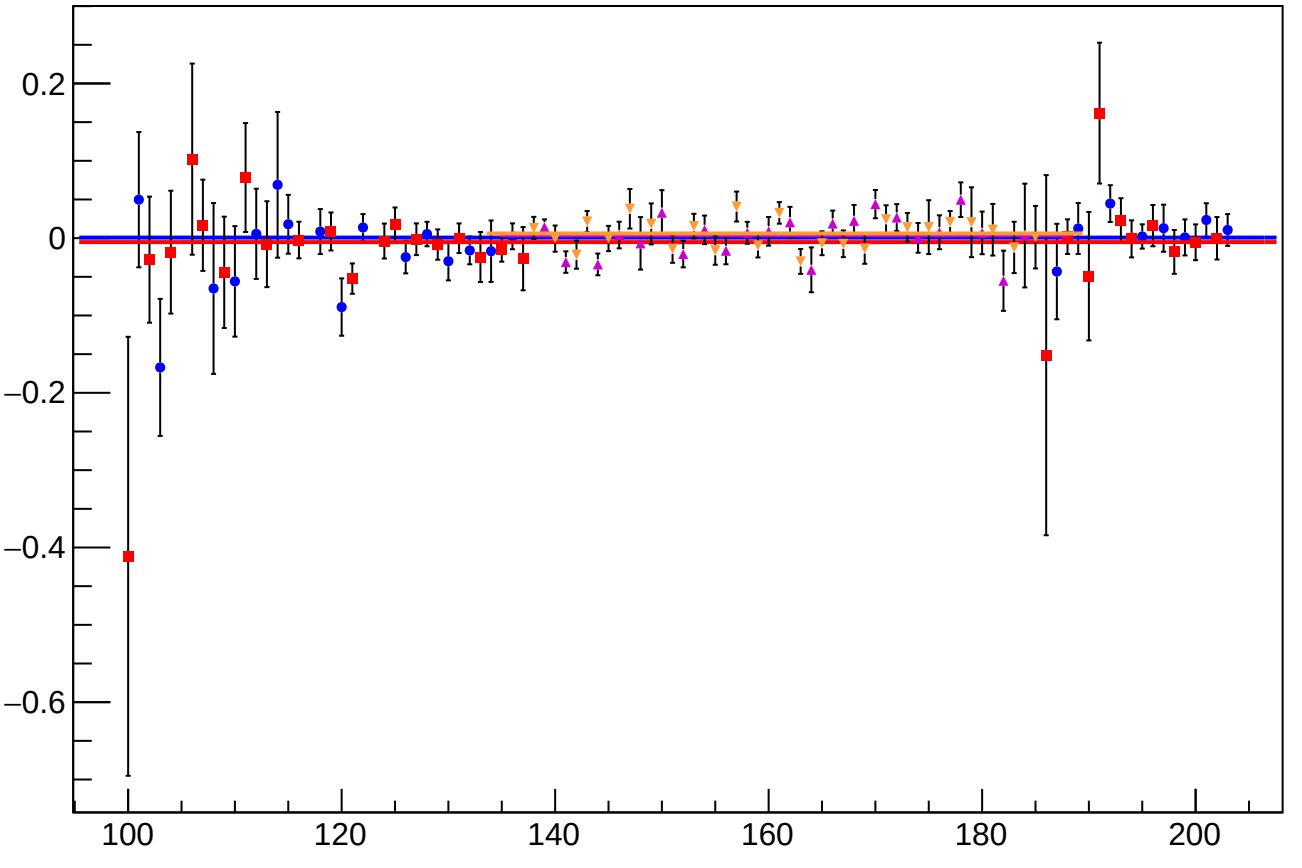
Left: 0.000+/-0.000 χ^2/NDF: 3156838.2/47

Right: 0.000+/-0.000 χ^2/NDF: 13931571.6/52

In: 0.000+/-0.000 χ^2/NDF:9421427.0/46

Out: 0.000+/-0.000 χ^2/NDF:10431263.1/53

All: 0.000+/-0.000 χ^2/NDF: 19870383.7/100



Right In: 0.001+/-0.005 χ^2/NDF: 21.8/23

Left Out: 0.006+/-0.004 χ^2/NDF:26.7/24

Right Out: -0.005+/-0.005 χ^2/NDF: 19.0/28

Left In: 0.004+/-0.004 χ^2/NDF:37.1/22

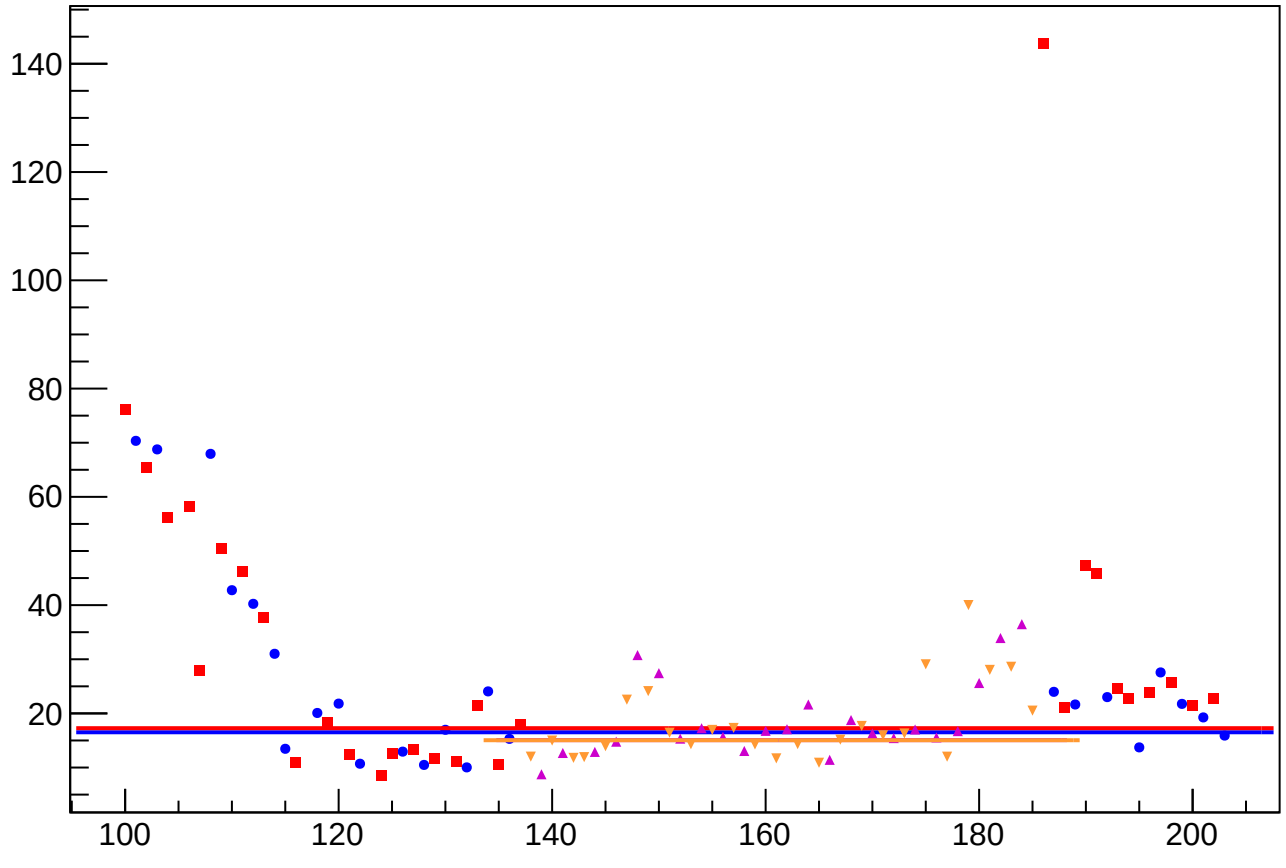
Left: 0.005+/-0.003 χ^2/NDF: 64.0/47

Right: -0.002+/-0.004 χ^2/NDF: 41.4/52

In: 0.003+/-0.003 χ^2/NDF:59.1/46

Out: 0.002+/-0.003 χ^2/NDF:48.7/53

All: 0.003+/-0.002 χ^2/NDF: 107.8/100



Right In: 16.516+/-0.004 χ^2/NDF: 4226422.6/23

Left Out: 15.046+/-0.003 χ^2/NDF:2758075.6/24

Right Out: 17.269+/-0.004 χ^2/NDF: 5845938.6/28

Left In: 15.068+/-0.003 χ^2/NDF:3066591.4/22

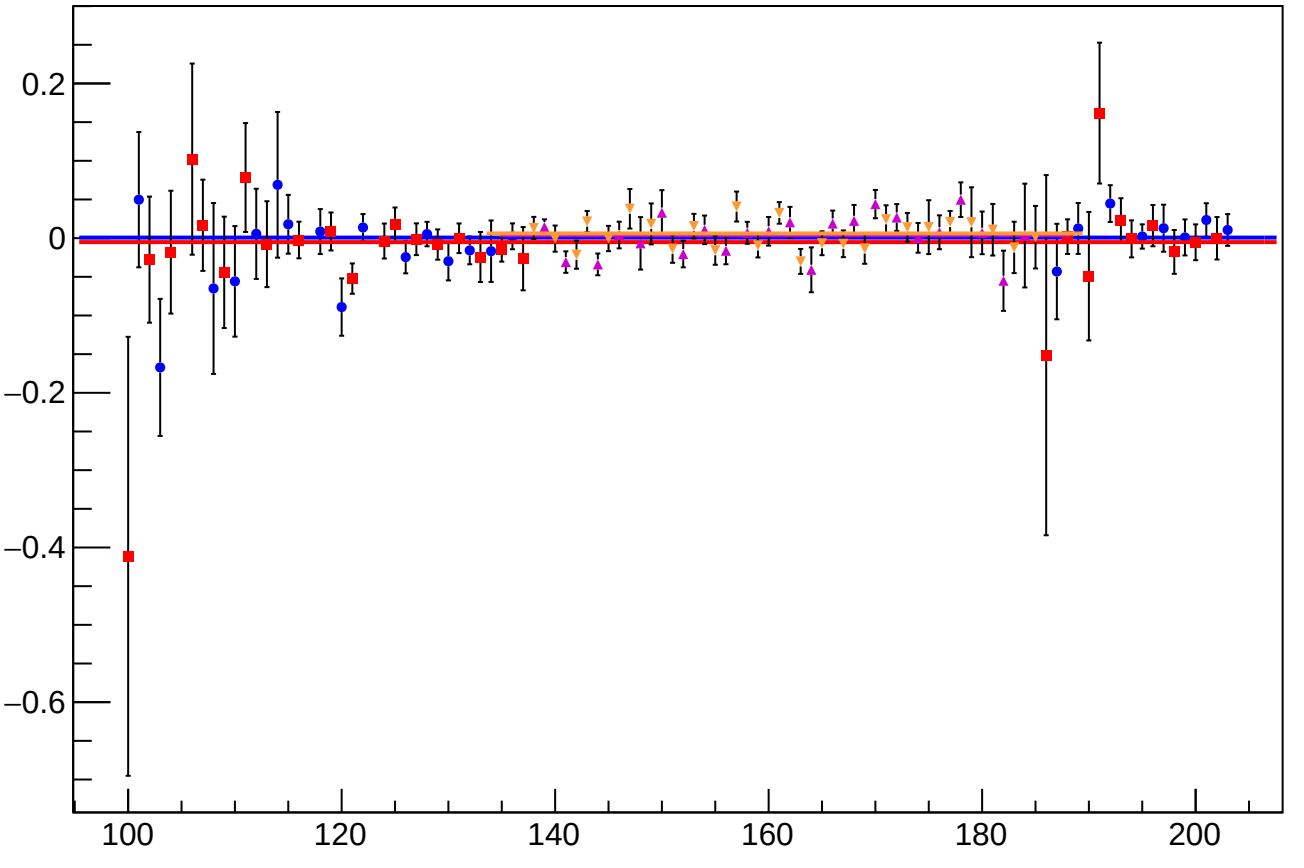
Left: 15.057+/-0.002 χ^2/NDF: 5824699.0/47

Right: 16.888+/-0.003 χ^2/NDF: 10092842.9/52

In: 15.573+/-0.002 χ^2/NDF:7392651.2/46

Out: 15.770+/-0.002 χ^2/NDF:8841509.9/53

All: 15.674+/-0.002 χ^2/NDF: 16238293.6/100



Right In: 0.001+/-0.005 χ^2/NDF: 21.8/23

Left Out: 0.006+/-0.004 χ^2/NDF:26.7/24

Right Out: -0.005+/-0.005 χ^2/NDF: 19.0/28

Left In: 0.004+/-0.004 χ^2/NDF:37.1/22

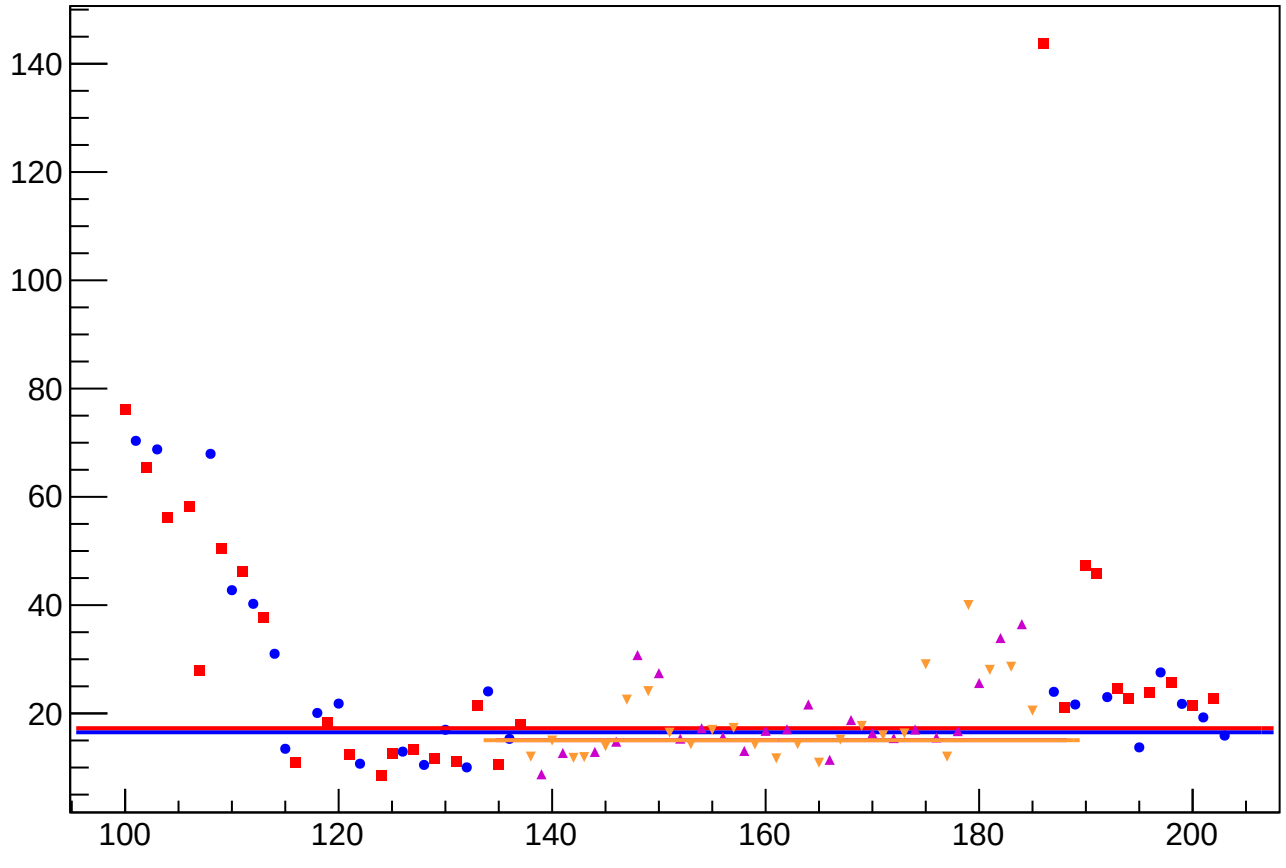
Left: 0.005+/-0.003 χ^2/NDF: 64.0/47

Right: -0.002+/-0.004 χ^2/NDF: 41.4/52

In: 0.003+/-0.003 χ^2/NDF:59.1/46

Out: 0.002+/-0.003 χ^2/NDF:48.7/53

All: 0.003+/-0.002 χ^2/NDF: 107.8/100



Right In: 16.516+/-0.004 χ^2/NDF: 4226422.6/23

Left Out: 15.046+/-0.003 χ^2/NDF:2758075.6/24

Right Out: 17.269+/-0.004 χ^2/NDF: 5845938.6/28

Left In: 15.068+/-0.003 χ^2/NDF:3066591.4/22

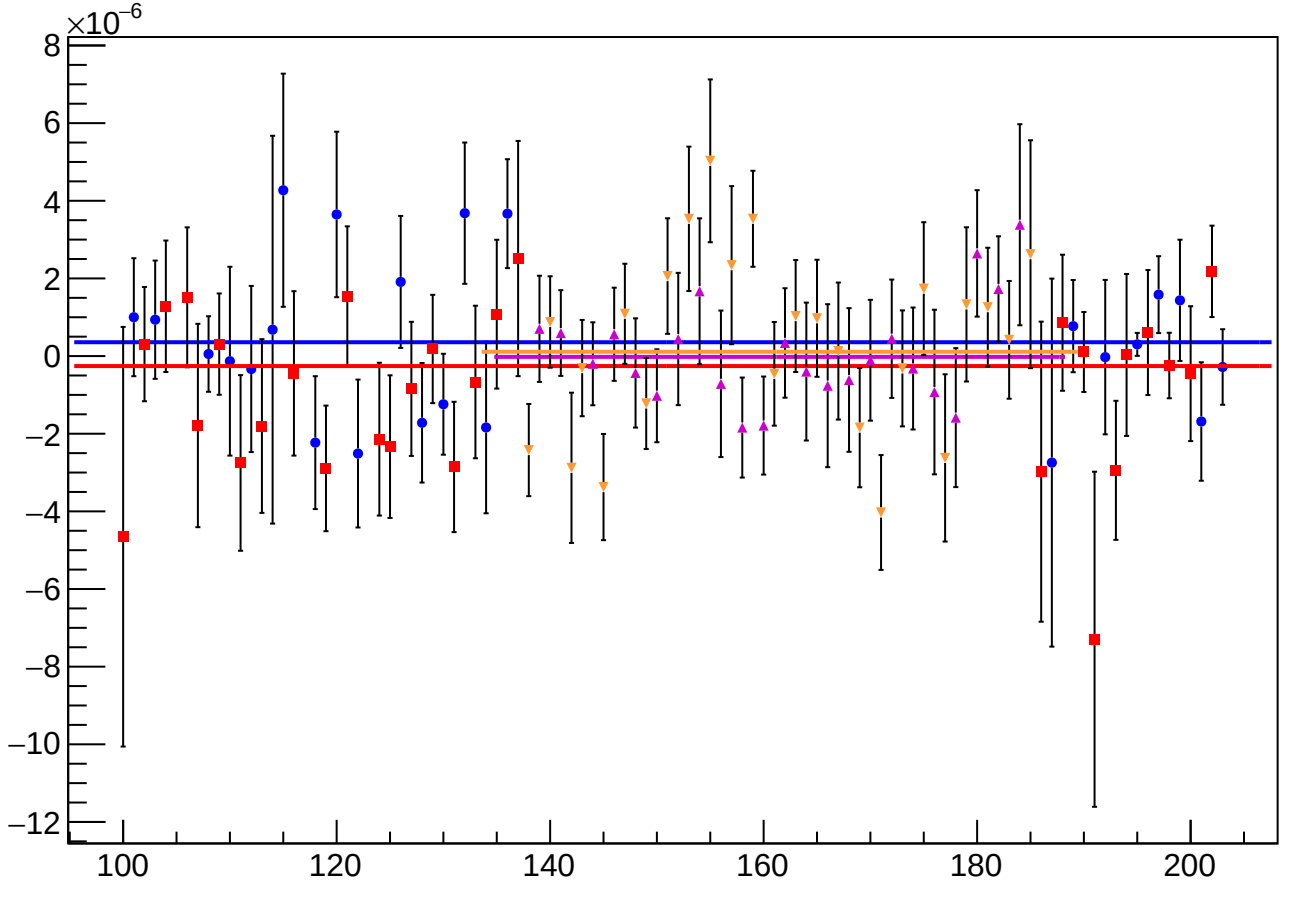
Left: 15.057+/-0.002 χ^2/NDF: 5824699.0/47

Right: 16.888+/-0.003 χ^2/NDF: 10092842.9/52

In: 15.573+/-0.002 χ^2/NDF:7392651.2/46

Out: 15.770+/-0.002 χ^2/NDF:8841509.9/53

All: 15.674+/-0.002 χ^2/NDF: 16238293.6/100



Right In: 0.000+/-0.000 χ^2/NDF: 28.1/23

Left Out: 0.000+/-0.000 χ^2/NDF:50.0/24

Right Out: -0.000+/-0.000 χ^2/NDF: 25.2/28

Left In: -0.000+/-0.000 χ^2/NDF:14.1/22

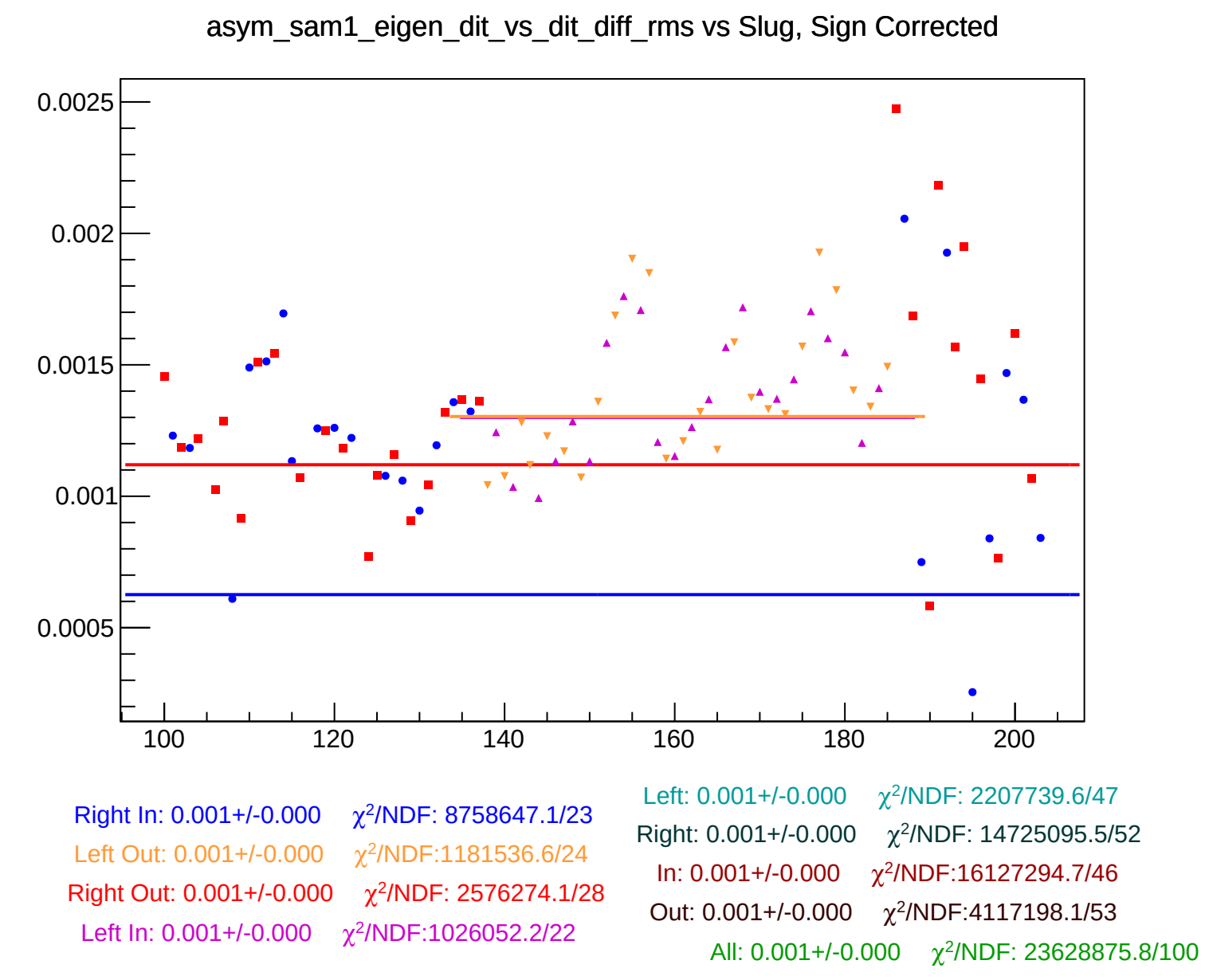
Left: 0.000+/-0.000 χ^2/NDF: 64.2/47

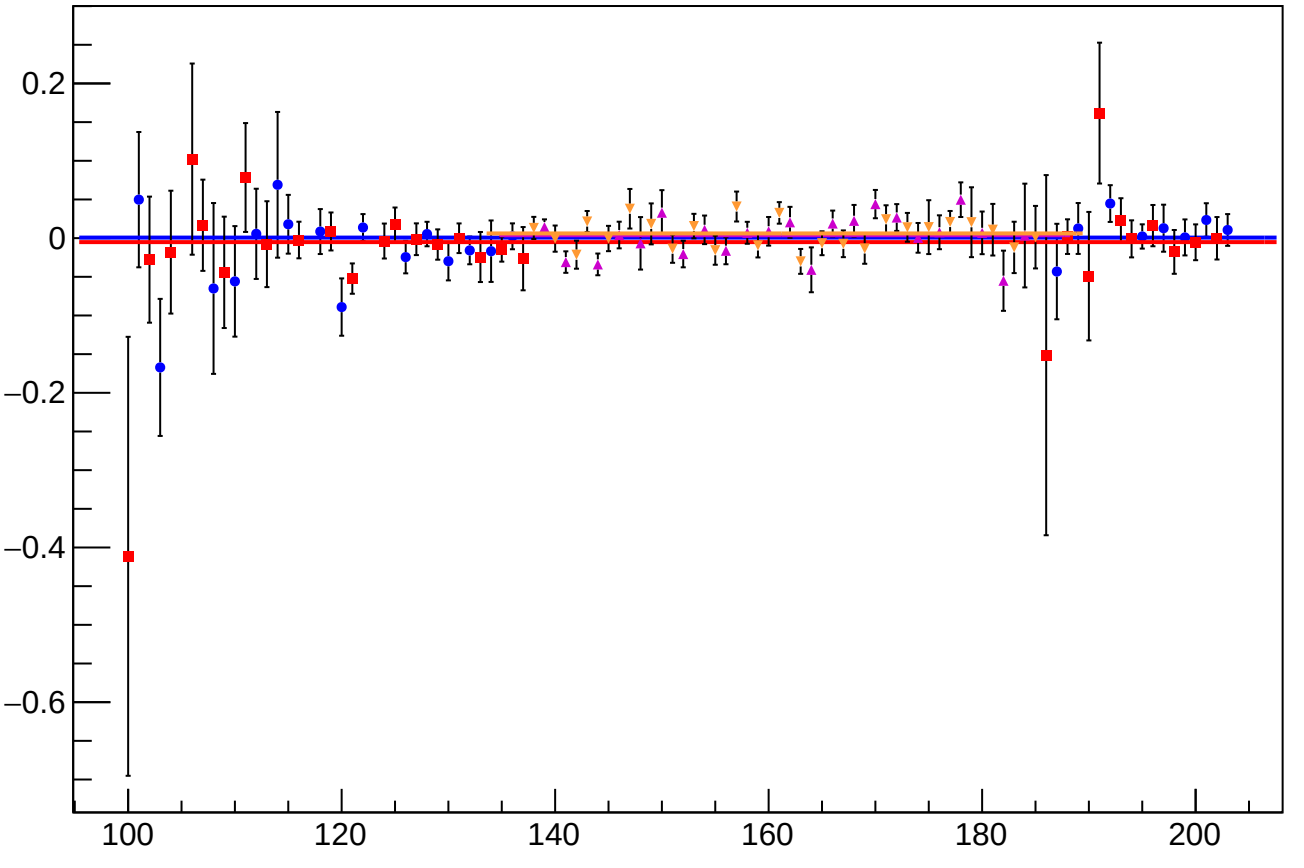
Right: 0.000+/-0.000 χ^2/NDF: 55.9/52

In: 0.000+/-0.000 χ^2/NDF:43.2/46

Out: -0.000+/-0.000 χ^2/NDF:75.9/53

All: 0.000+/-0.000 χ^2/NDF: 120.3/100


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: 8758647.1/23
Left Out: 0.001+/-0.000 χ²/NDF:1181536.6/24
Right Out: 0.001+/-0.000 χ²/NDF: 2576274.1/28
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: 14725095.5/52
In: 0.001+/-0.000 χ²/NDF:16127294.7/46
Out: 0.001+/-0.000 χ²/NDF:4117198.1/53
All: 0.001+/-0.000 χ²/NDF: 23628875.8/100



Right In: 0.001+/-0.005 χ^2/NDF: 21.8/23

Left Out: 0.006+/-0.004 χ^2/NDF:26.7/24

Right Out: -0.005+/-0.005 χ^2/NDF: 19.0/28

Left In: 0.004+/-0.004 χ^2/NDF:37.1/22

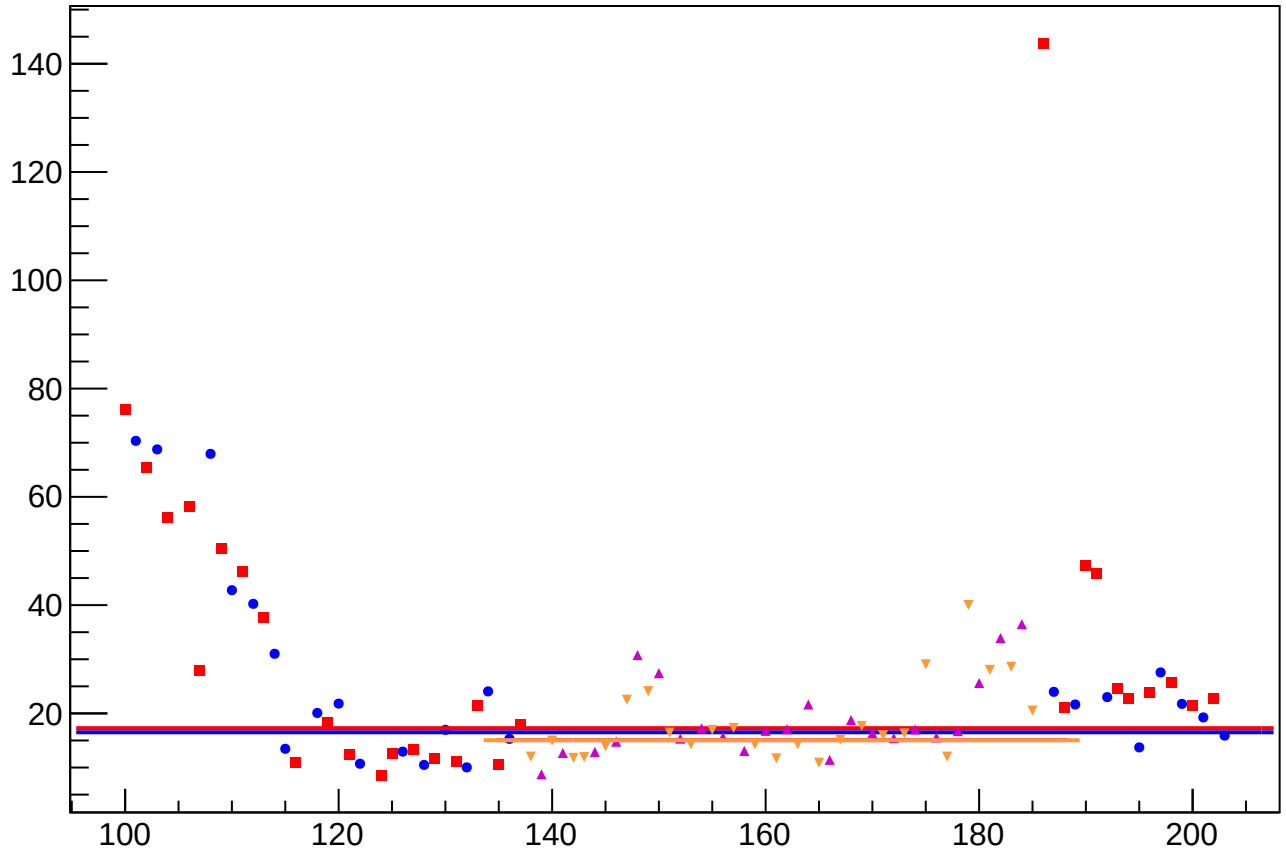
Left: 0.005+/-0.003 χ^2/NDF: 64.0/47

Right: -0.002+/-0.004 χ^2/NDF: 41.4/52

In: 0.003+/-0.003 χ^2/NDF:59.1/46

Out: 0.002+/-0.003 χ^2/NDF:48.7/53

All: 0.003+/-0.002 χ^2/NDF: 107.8/100



Right In: 16.515+/-0.004 χ^2/NDF: 4226405.7/23

Left Out: 15.046+/-0.003 χ^2/NDF:2758285.3/24

Right Out: 17.269+/-0.004 χ^2/NDF: 5845879.1/28

Left In: 15.067+/-0.003 χ^2/NDF:3066635.3/22

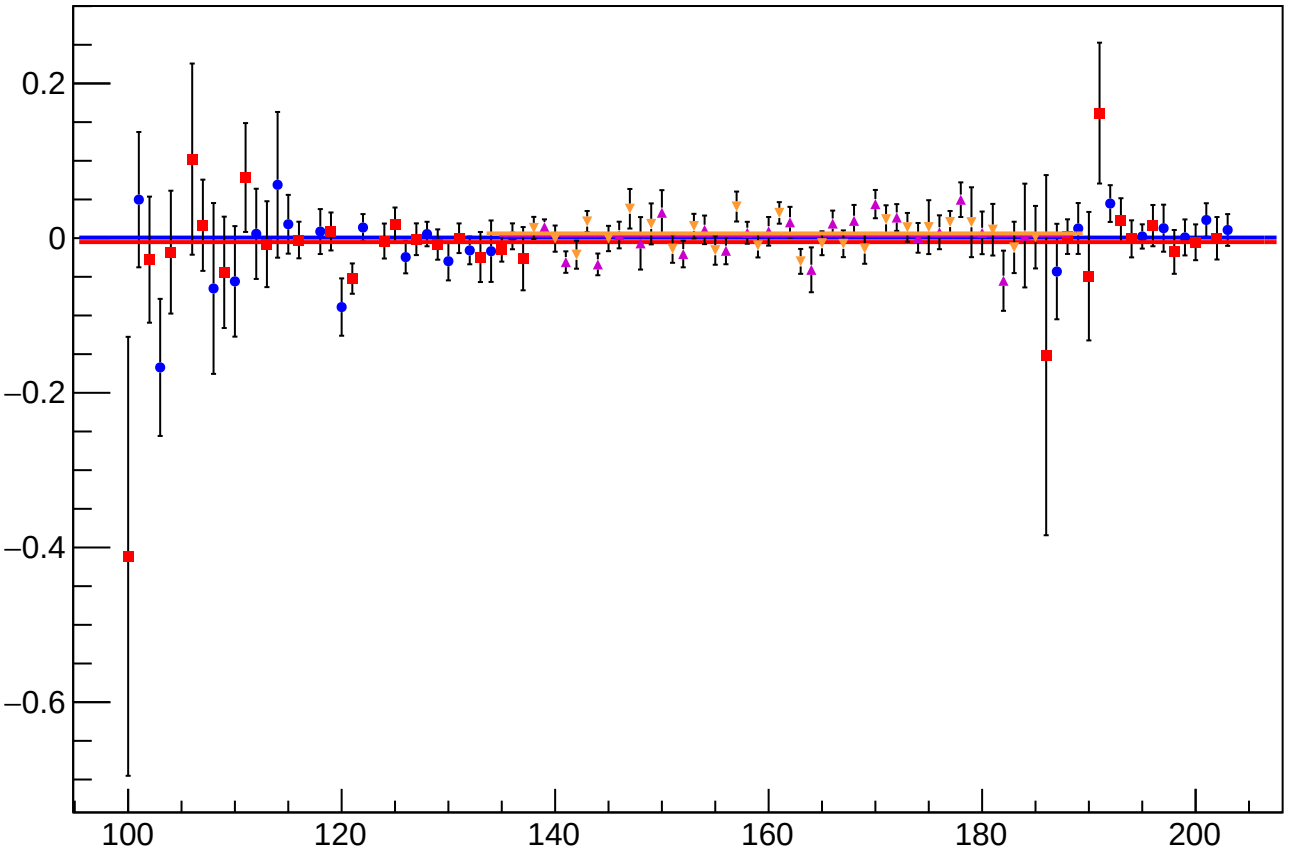
Left: 15.056+/-0.002 χ^2/NDF: 5824952.7/47

Right: 16.888+/-0.003 χ^2/NDF: 10092772.0/52

In: 15.573+/-0.002 χ^2/NDF:7392669.4/46

Out: 15.770+/-0.002 χ^2/NDF:8841682.1/53

All: 15.674+/-0.002 χ^2/NDF: 16238483.3/100



Right In: 0.001+/-0.005 χ^2/NDF: 21.8/23

Left Out: 0.006+/-0.004 χ^2/NDF:26.7/24

Right Out: -0.005+/-0.005 χ^2/NDF: 19.0/28

Left In: 0.004+/-0.004 χ^2/NDF:37.1/22

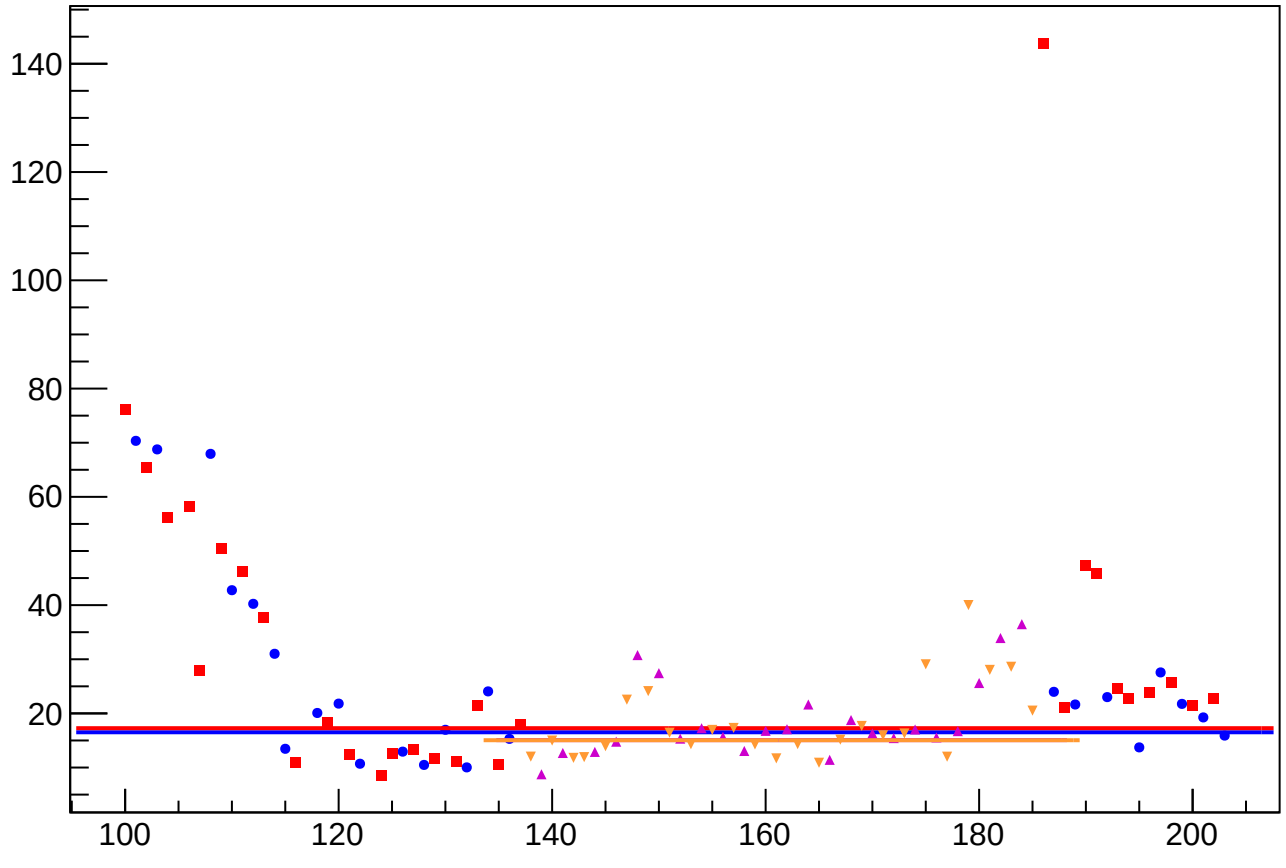
Left: 0.005+/-0.003 χ^2/NDF: 64.0/47

Right: -0.002+/-0.004 χ^2/NDF: 41.4/52

In: 0.003+/-0.003 χ^2/NDF:59.1/46

Out: 0.002+/-0.003 χ^2/NDF:48.7/53

All: 0.003+/-0.002 χ^2/NDF: 107.8/100



Right In: 16.515+/-0.004 χ^2/NDF: 4226405.7/23

Left Out: 15.046+/-0.003 χ^2/NDF:2758285.3/24

Right Out: 17.269+/-0.004 χ^2/NDF: 5845879.1/28

Left In: 15.067+/-0.003 χ^2/NDF:3066635.3/22

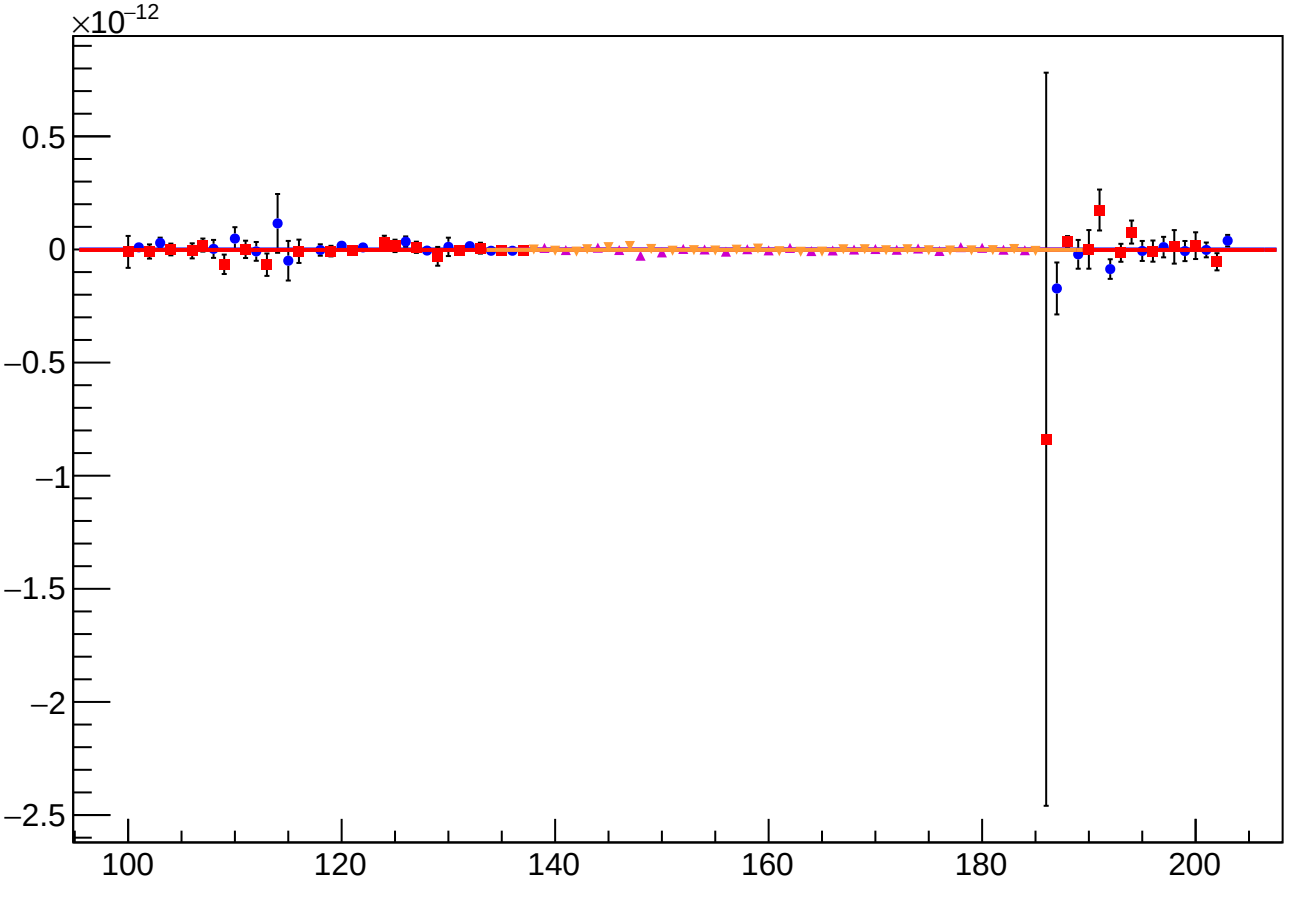
Left: 15.056+/-0.002 χ^2/NDF: 5824952.7/47

Right: 16.888+/-0.003 χ^2/NDF: 10092772.0/52

In: 15.573+/-0.002 χ^2/NDF:7392669.4/46

Out: 15.770+/-0.002 χ^2/NDF:8841682.1/53

All: 15.674+/-0.002 χ^2/NDF: 16238483.3/100



Right In: -0.000+/-0.000 χ^2/NDF: 18.1/23

Left Out: -0.000+/-0.000 χ^2/NDF:15.2/24

Right Out: -0.000+/-0.000 χ^2/NDF: 17.6/28

Left In: -0.000+/-0.000 χ^2/NDF:21.3/22

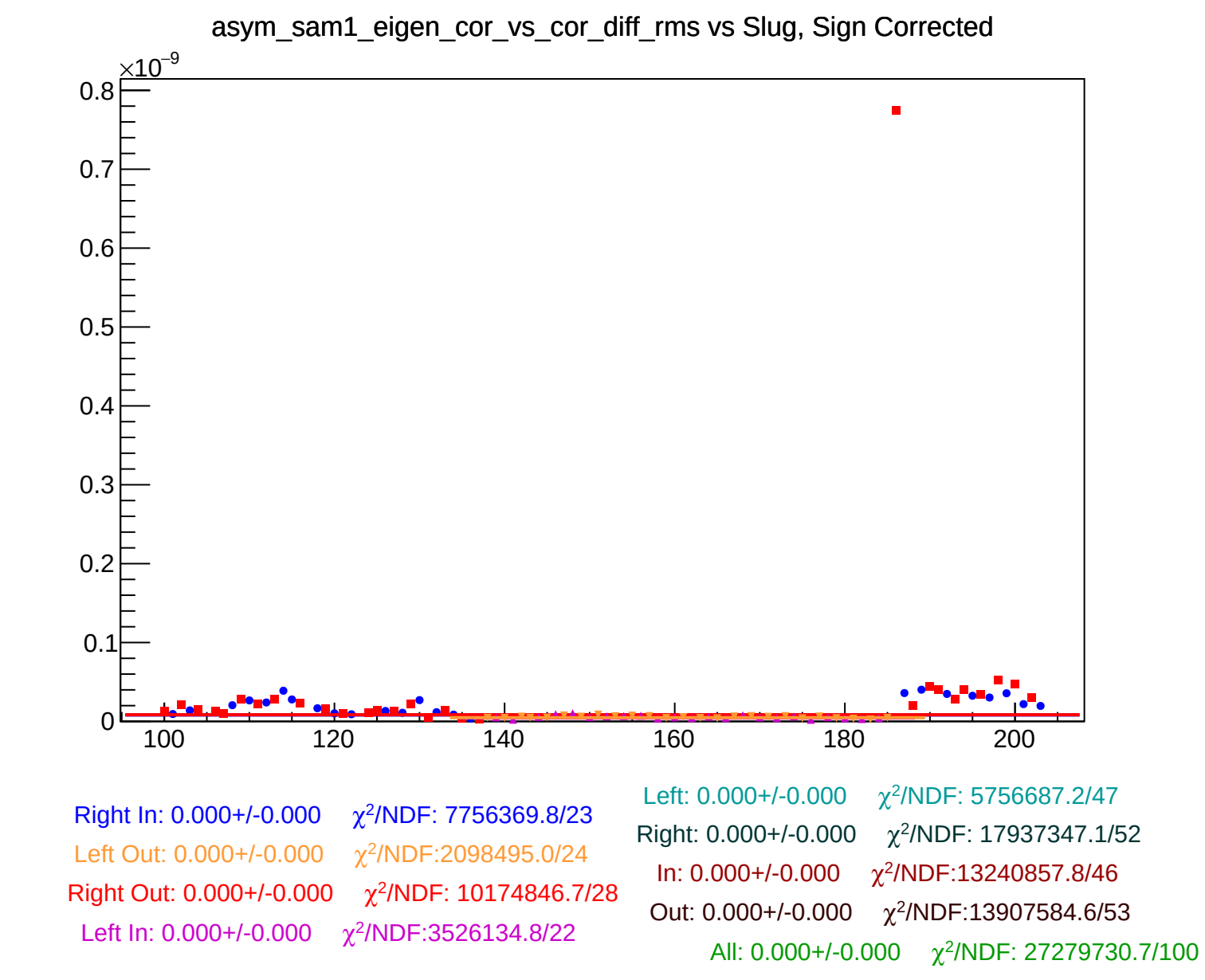
Left: -0.000+/-0.000 χ^2/NDF: 36.9/47

Right: -0.000+/-0.000 χ^2/NDF: 35.9/52

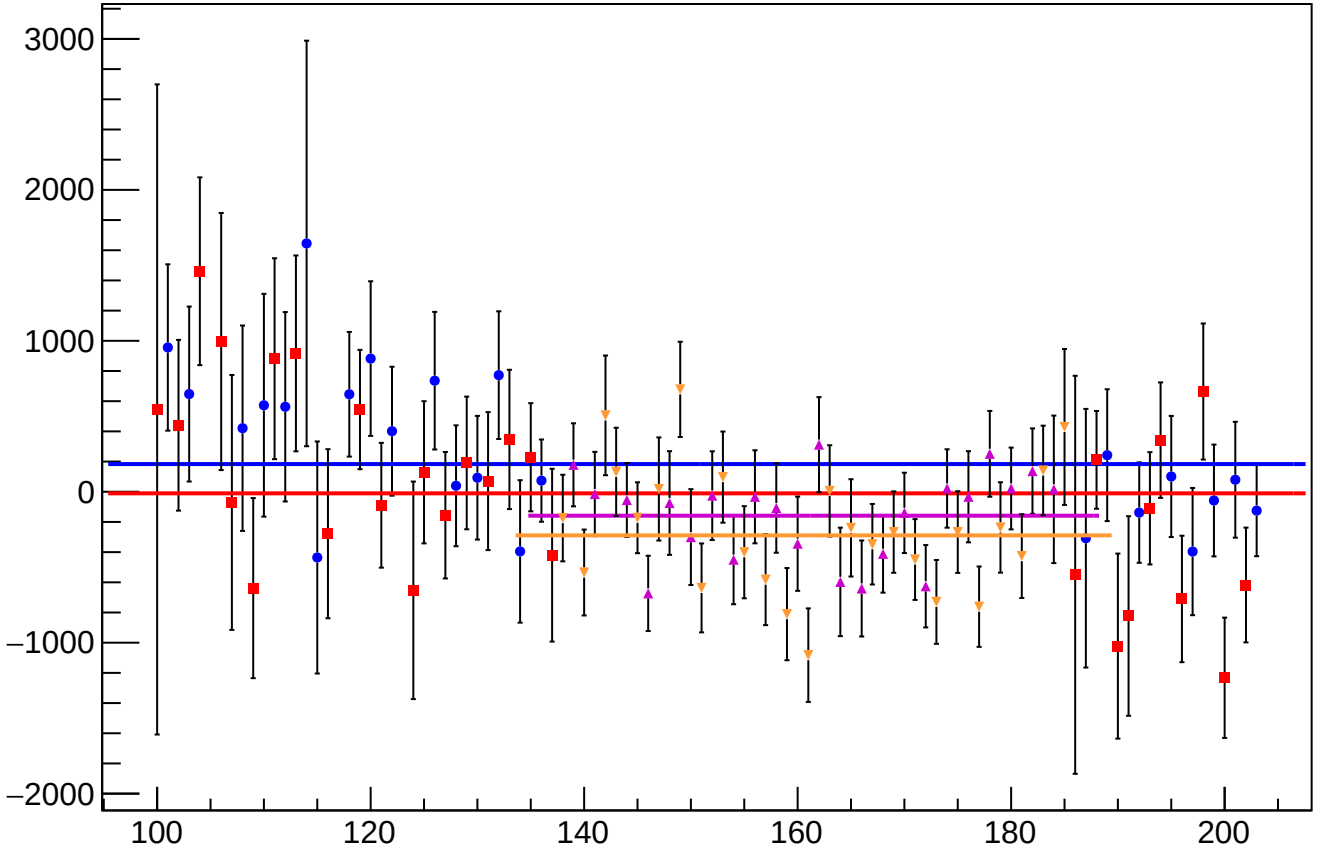
In: -0.000+/-0.000 χ^2/NDF:39.4/46

Out: -0.000+/-0.000 χ^2/NDF:32.8/53

All: -0.000+/-0.000 χ^2/NDF: 72.8/100


asym_sam1_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
100
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 7756369.8/23
Left Out: 0.000+/-0.000 χ²/NDF:2098495.0/24
Right Out: 0.000+/-0.000 χ²/NDF: 10174846.7/28
Left In: 0.000+/-0.000 χ²/NDF:3526134.8/22
Left: 0.000+/-0.000 χ²/NDF: 5756687.2/47
Right: 0.000+/-0.000 χ²/NDF: 17937347.1/52
In: 0.000+/-0.000 χ²/NDF:13240857.8/46
Out: 0.000+/-0.000 χ²/NDF:13907584.6/53
All: 0.000+/-0.000 χ²/NDF: 27279730.7/100

reg_asym_sam2_mean vs Slug, Sign Corrected



Right In: 183.442+/-90.061 χ^2/NDF: 18.6/23

Left Out: -288.924+/-59.035 χ^2/NDF:42.4/24

Right Out: -10.551+/-90.469 χ^2/NDF: 40.5/28

Left In: -158.601+/-60.708 χ^2/NDF:22.5/22

Left: -225.582+/-42.323 χ^2/NDF: 67.3/47

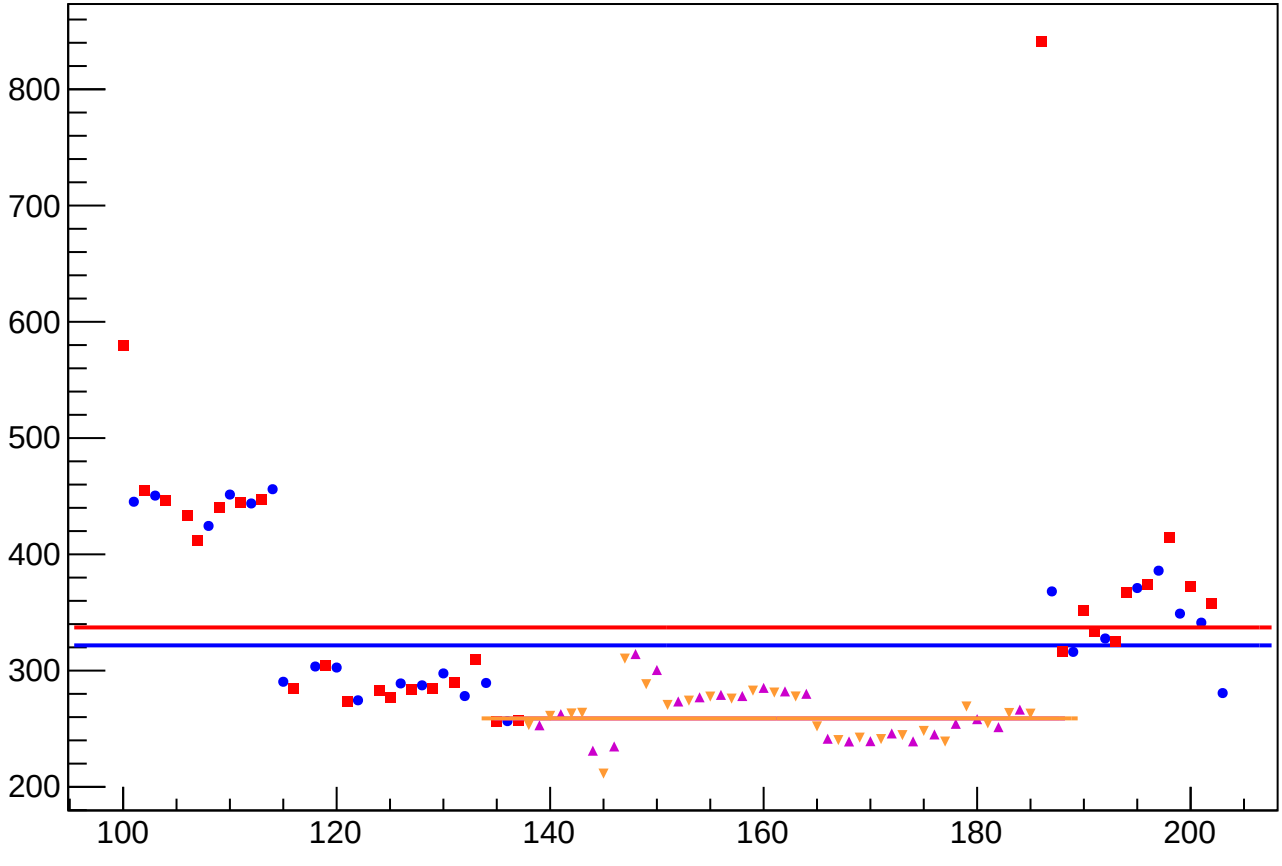
Right: 86.883+/-63.827 χ^2/NDF: 61.4/52

In: -51.741+/-50.339 χ^2/NDF:51.0/46

Out: -205.789+/-49.440 χ^2/NDF:89.5/53

All: -130.153+/-35.273 χ^2/NDF: 145.3/100

reg_asym_sam2_rms vs Slug, Sign Corrected



Right In: 321.698+/-0.064 χ^2/NDF: 750221.1/23

Left Out: 258.912+/-0.042 χ^2/NDF:248740.9/24

Right Out: 337.135+/-0.064 χ^2/NDF: 1150630.1/28

Left In: 258.843+/-0.043 χ^2/NDF:244953.3/22

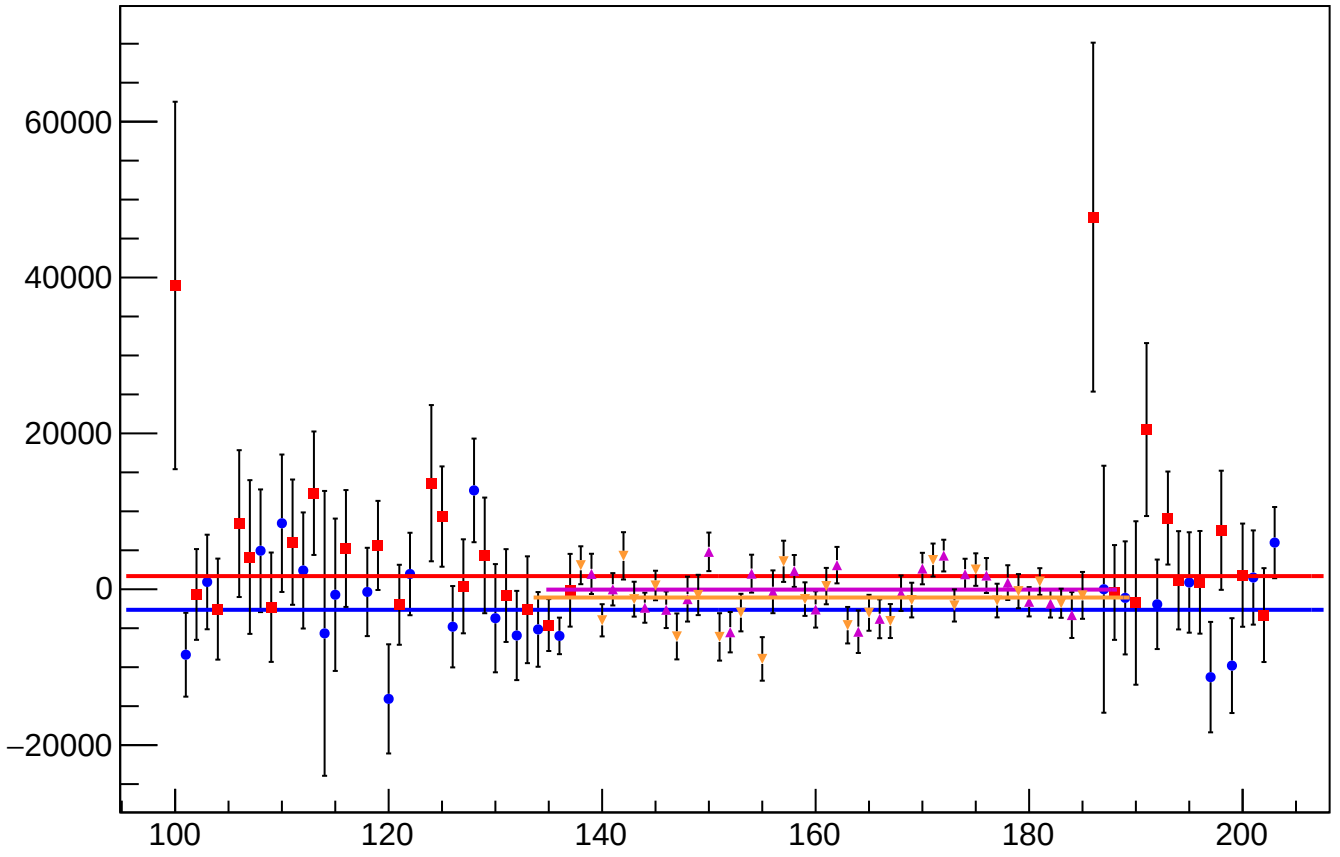
Left: 258.878+/-0.030 χ^2/NDF: 493695.6/47

Right: 329.382+/-0.045 χ^2/NDF: 1930097.0/52

In: 278.480+/-0.036 χ^2/NDF:1665001.9/46

Out: 282.273+/-0.035 χ^2/NDF:2448031.9/53

All: 280.411+/-0.025 χ^2/NDF: 4118812.9/100



Right In: -2636.428+/-1158.371 χ^2/NDF: 23.6/23

Left Out: -1059.229+/-454.653 χ^2/NDF:41.5/24

Right Out: 1689.122+/-1221.651 χ^2/NDF: 24.8/28

Left In: -44.352+/-470.700 χ^2/NDF:34.2/22

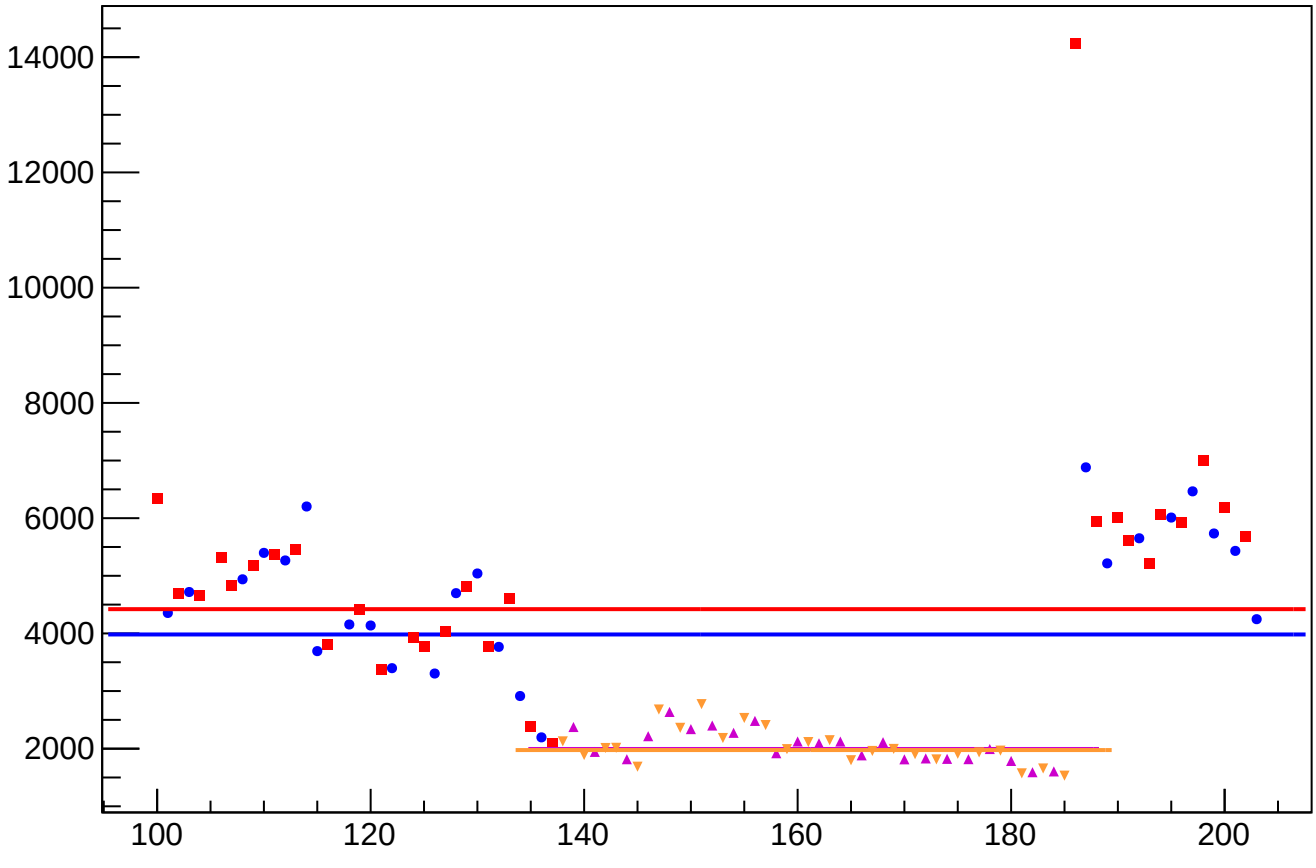
Left: -569.385+/-327.014 χ^2/NDF: 78.1/47

Right: -588.579+/-840.573 χ^2/NDF: 54.9/52

In: -411.694+/-436.073 χ^2/NDF:62.0/46

Out: -724.878+/-426.101 χ^2/NDF:70.7/53

All: -571.908+/-304.763 χ^2/NDF: 133.0/100



Right In: 3981.922+/-0.819 χ^2/NDF: 2630289.2/23

Left Out: 1975.967+/-0.321 χ^2/NDF:763327.6/24

Right Out: 4421.229+/-0.864 χ^2/NDF: 2848474.8/28

Left In: 1994.760+/-0.333 χ^2/NDF:599994.9/22

Left: 1985.038+/-0.231 χ^2/NDF: 1364971.8/47

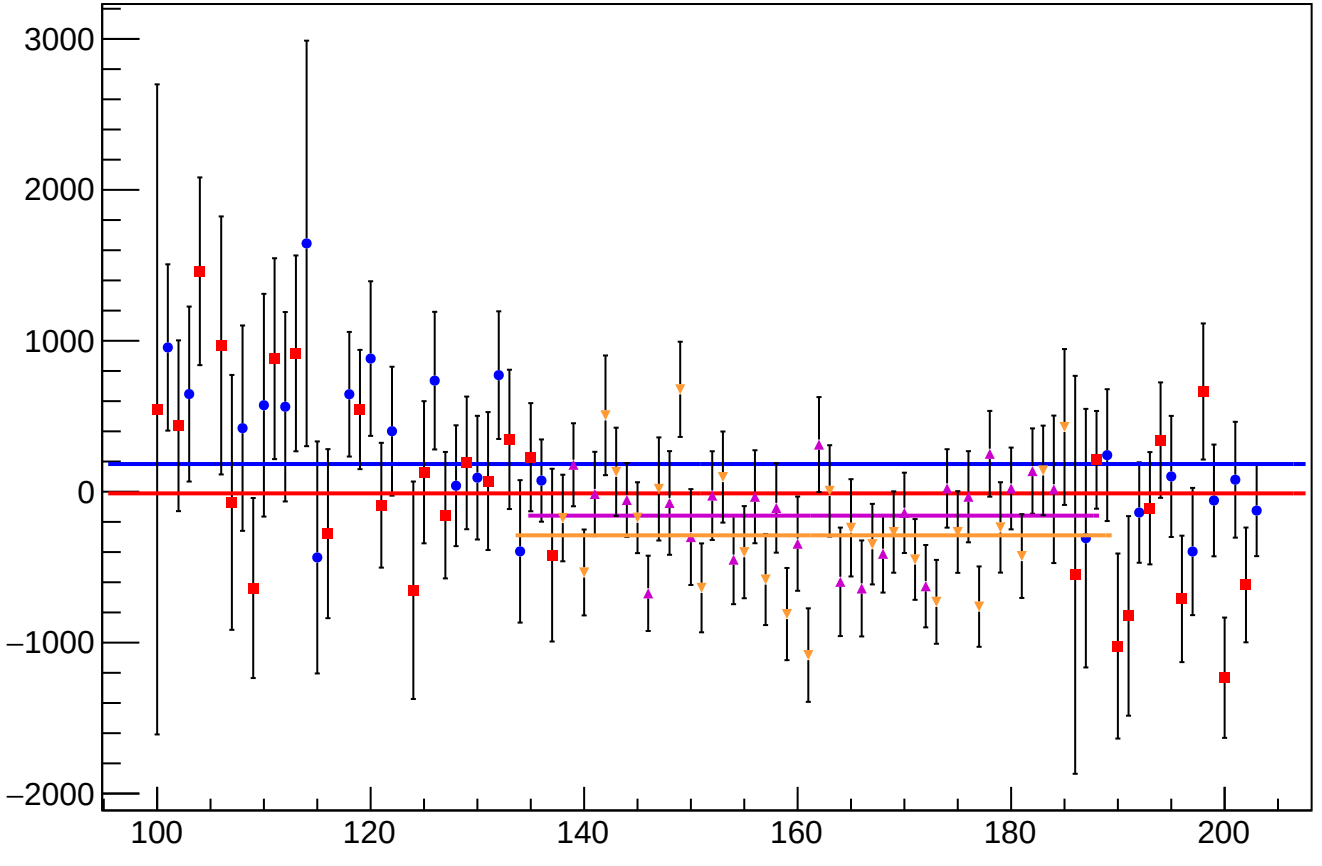
Right: 4189.903+/-0.594 χ^2/NDF: 5614948.6/52

In: 2276.376+/-0.308 χ^2/NDF:8281913.0/46

Out: 2273.446+/-0.301 χ^2/NDF:10649841.2/53

All: 2274.877+/-0.216 χ^2/NDF: 18931800.4/1

cor_asym_sam2_mean vs Slug, Sign Corrected



Right In: 183.421+/-90.061 χ^2/NDF: 18.6/23

Left Out: -288.928+/-59.035 χ^2/NDF:42.4/24

Right Out: -11.033+/-90.474 χ^2/NDF: 40.4/28

Left In: -158.612+/-60.708 χ^2/NDF:22.5/22

Left: -225.590+/-42.323 χ^2/NDF: 67.3/47

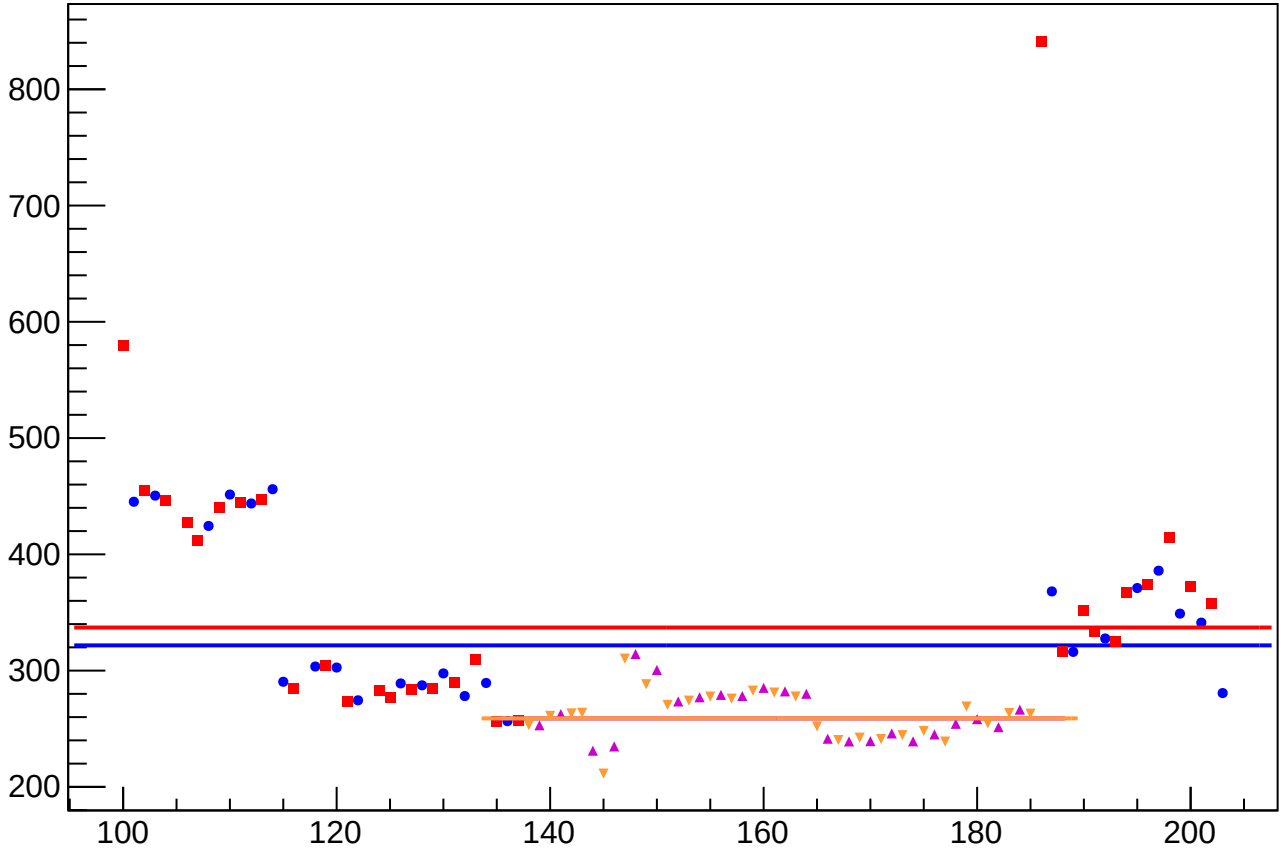
Right: 86.639+/-63.828 χ^2/NDF: 61.3/52

In: -51.755+/-50.339 χ^2/NDF:51.0/46

Out: -205.942+/-49.441 χ^2/NDF:89.4/53

All: -130.237+/-35.273 χ^2/NDF: 145.2/100

cor_asym_sam2_rms vs Slug, Sign Corrected



Right In: 321.698+/-0.064 χ^2/NDF: 750222.5/23

Left Out: 258.912+/-0.042 χ^2/NDF:248740.9/24

Right Out: 337.053+/-0.064 χ^2/NDF: 1147169.0/28

Left In: 258.843+/-0.043 χ^2/NDF:244953.3/22

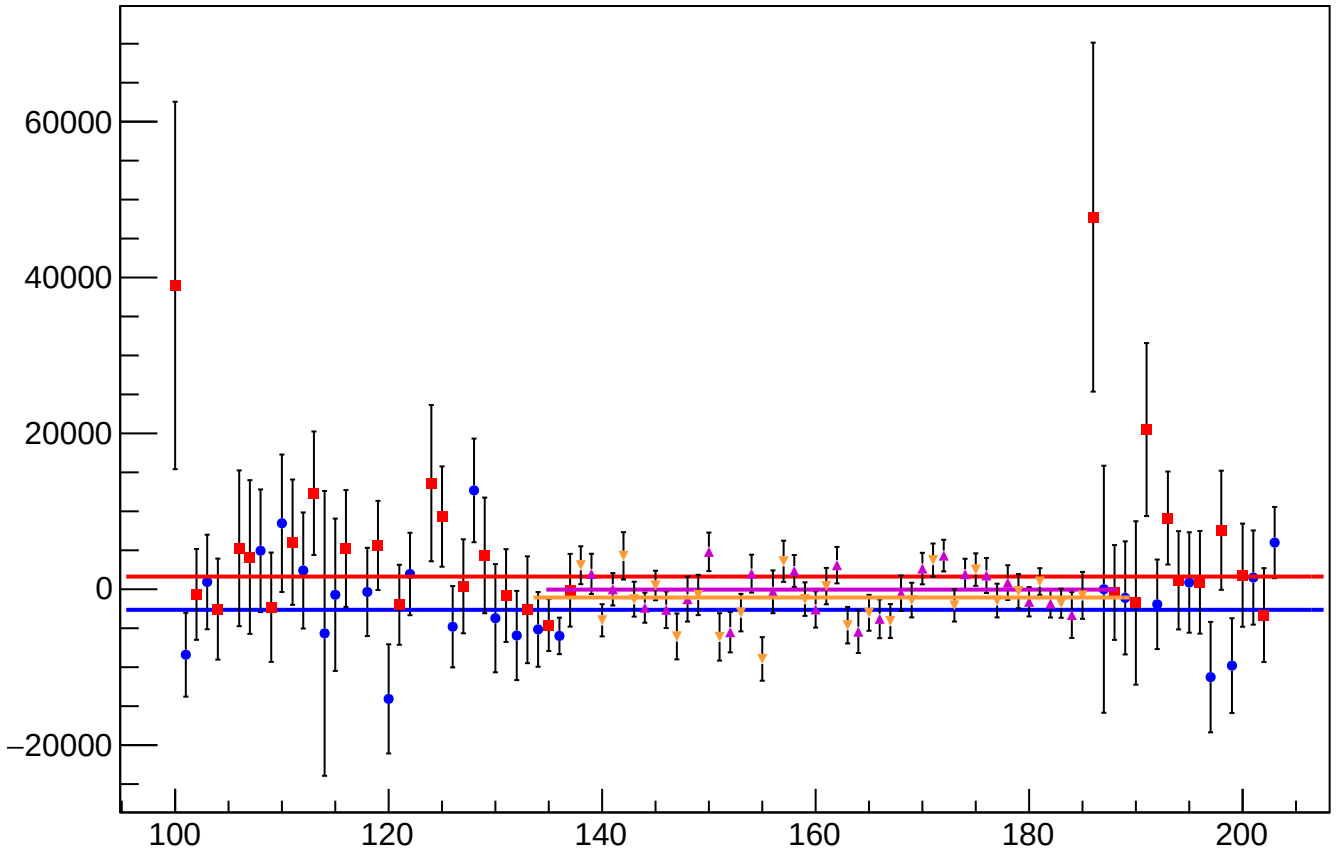
Left: 258.878+/-0.030 χ^2/NDF: 493695.6/47

Right: 329.340+/-0.045 χ^2/NDF: 1926325.4/52

In: 278.480+/-0.036 χ^2/NDF:1665003.4/46

Out: 282.247+/-0.035 χ^2/NDF:2442293.4/53

All: 280.397+/-0.025 χ^2/NDF: 4112996.2/100



Right In: -2636.382+/-1158.373 χ^2/NDF: 23.6/23

Left Out: -1059.232+/-454.653 χ^2/NDF:41.5/24

Right Out: 1629.476+/-1222.826 χ^2/NDF: 24.4/28

Left In: -44.348+/-470.700 χ^2/NDF:34.2/22

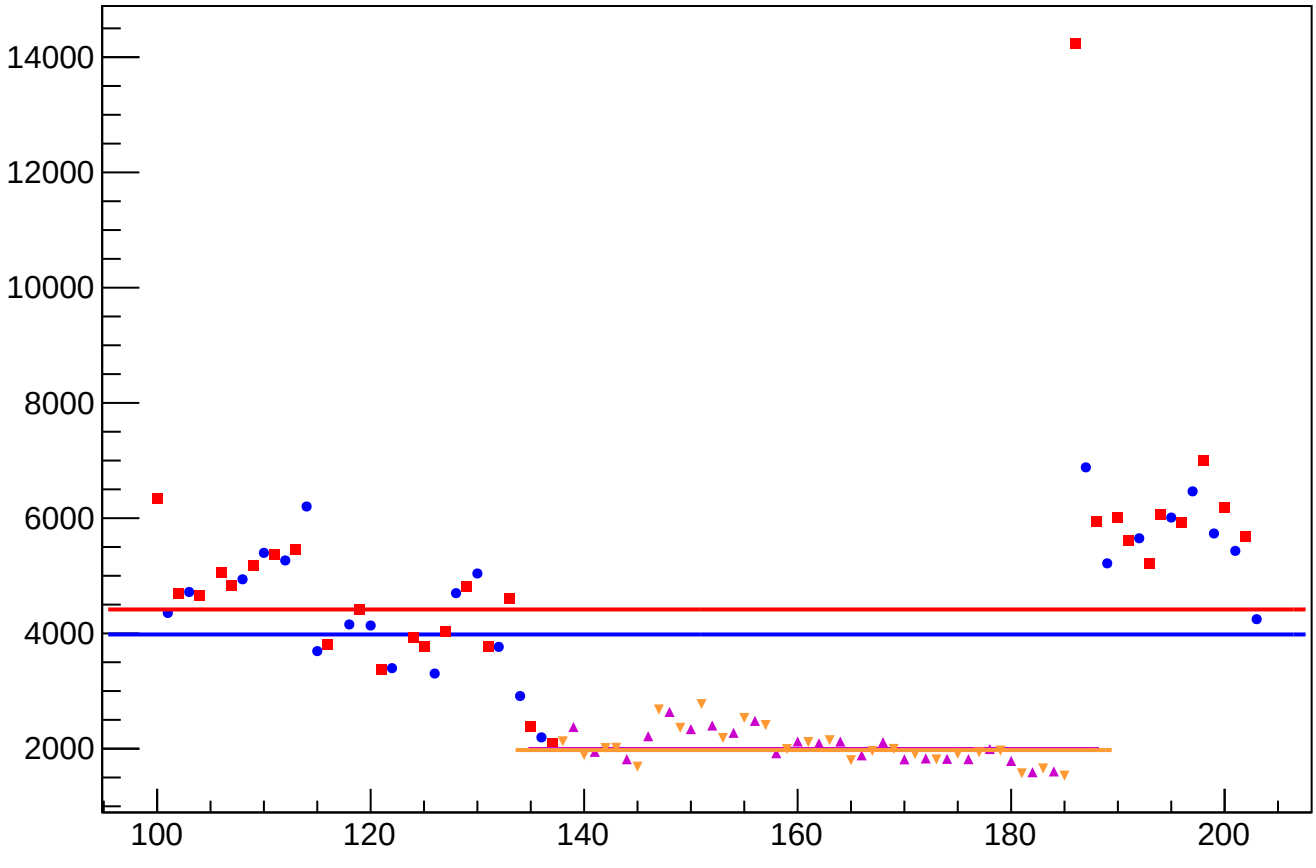
Left: -569.385+/-327.014 χ^2/NDF: 78.1/47

Right: -618.834+/-840.956 χ^2/NDF: 54.4/52

In: -411.684+/-436.074 χ^2/NDF:62.0/46

Out: -732.689+/-426.151 χ^2/NDF:70.1/53

All: -575.880+/-304.782 χ^2/NDF: 132.4/100



Right In: 3981.926+/-0.819 χ^2/NDF: 2630299.4/23

Left Out: 1975.967+/-0.321 χ^2/NDF:763328.1/24

Right Out: 4415.977+/-0.865 χ^2/NDF: 2838977.6/28

Left In: 1994.760+/-0.333 χ^2/NDF:599996.2/22

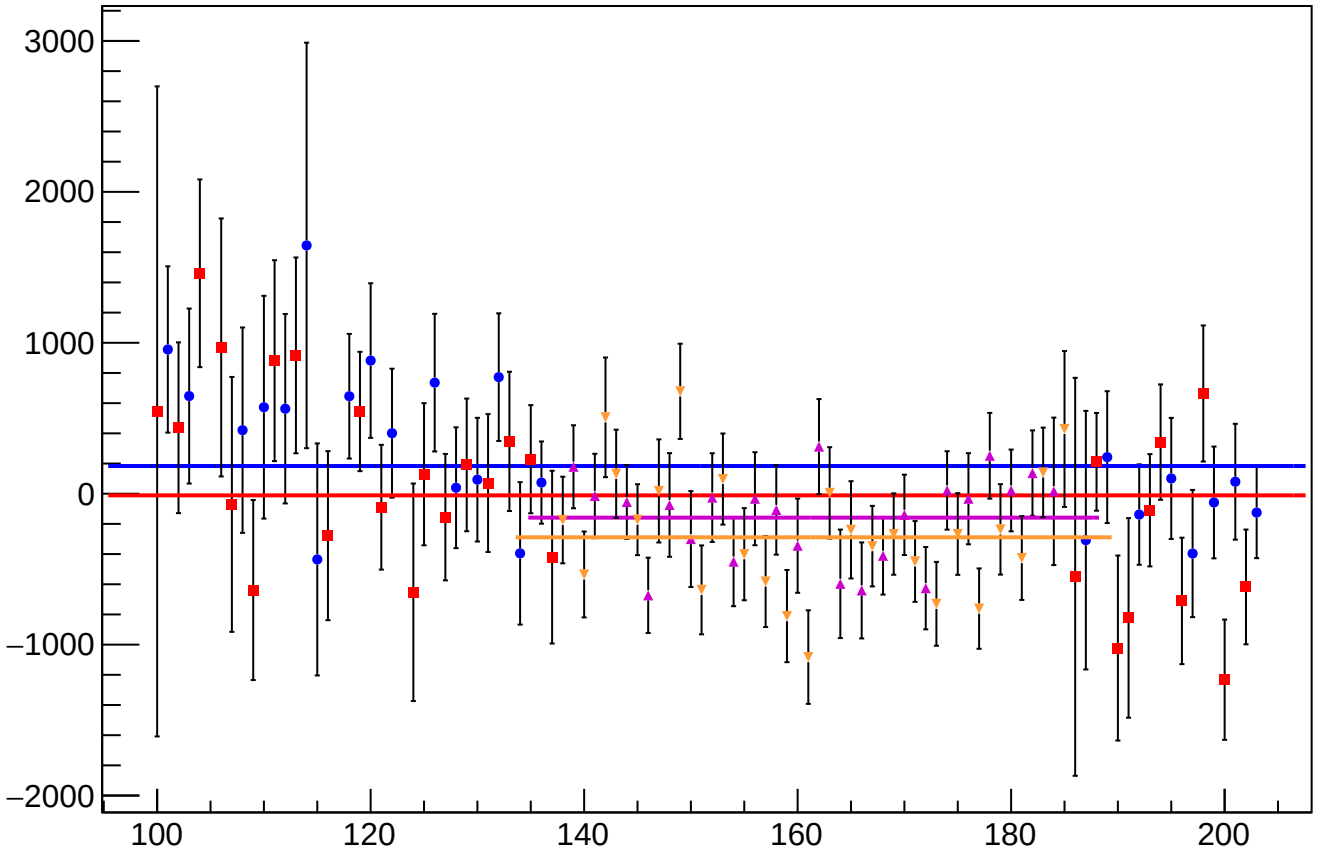
Left: 1985.038+/-0.231 χ^2/NDF: 1364973.6/47

Right: 4187.212+/-0.595 χ^2/NDF: 5602087.1/52

In: 2276.376+/-0.308 χ^2/NDF:8281933.0/46

Out: 2272.306+/-0.301 χ^2/NDF:10598314.6/53

All: 2274.294+/-0.216 χ^2/NDF: 18880336.7/1



Right In: 183.421+/-90.061 χ^2/NDF: 18.6/23

Left Out: -288.928+/-59.035 χ^2/NDF:42.4/24

Right Out: -11.033+/-90.474 χ^2/NDF: 40.4/28

Left In: -158.612+/-60.708 χ^2/NDF:22.5/22

Left: -225.590+/-42.323 χ^2/NDF: 67.3/47

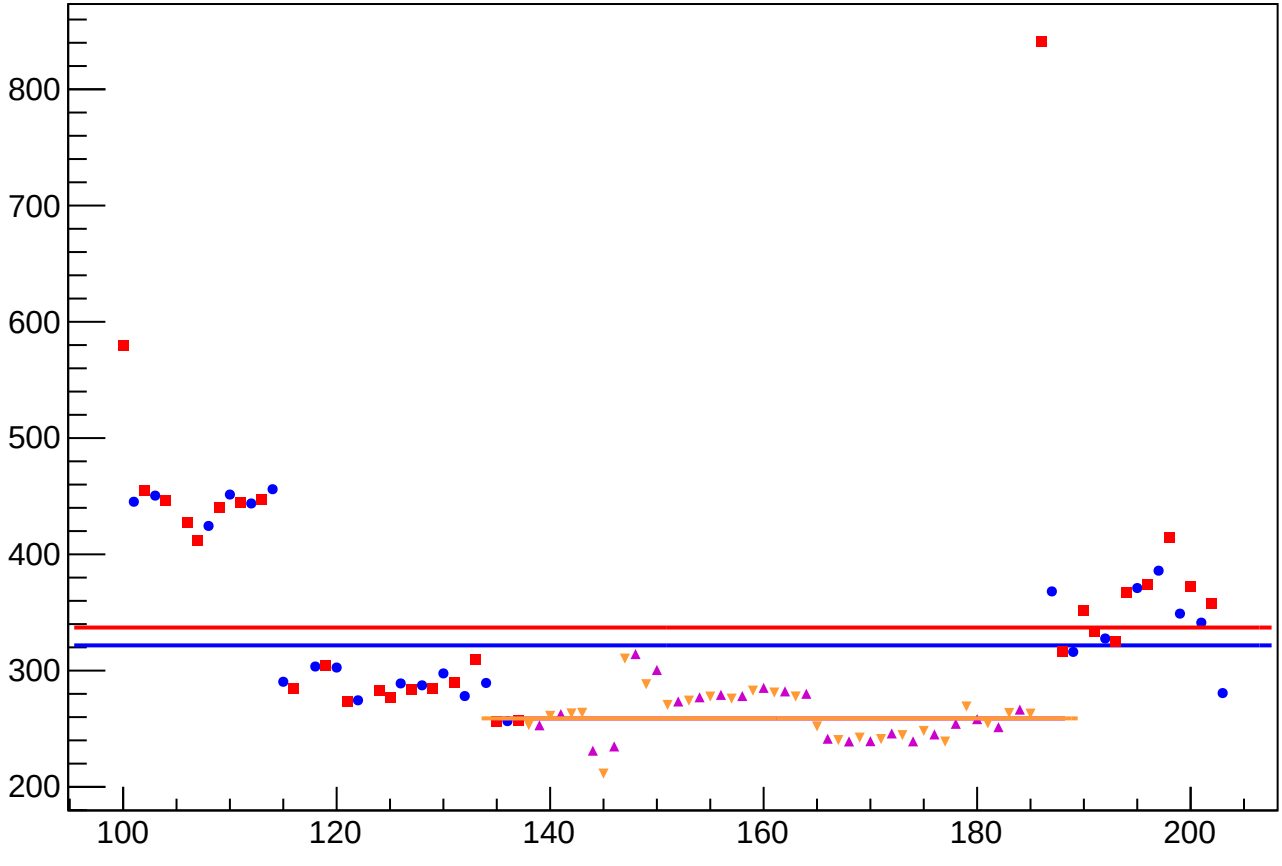
Right: 86.639+/-63.828 χ^2/NDF: 61.3/52

In: -51.755+/-50.339 χ^2/NDF:51.0/46

Out: -205.942+/-49.441 χ^2/NDF:89.4/53

All: -130.237+/-35.273 χ^2/NDF: 145.2/100

eigen_cor_asym_sam2_rms vs Slug, Sign Corrected



Right In: 321.698+/-0.064 χ^2/NDF: 750222.5/23

Left Out: 258.912+/-0.042 χ^2/NDF:248740.9/24

Right Out: 337.053+/-0.064 χ^2/NDF: 1147169.0/28

Left In: 258.843+/-0.043 χ^2/NDF:244953.3/22

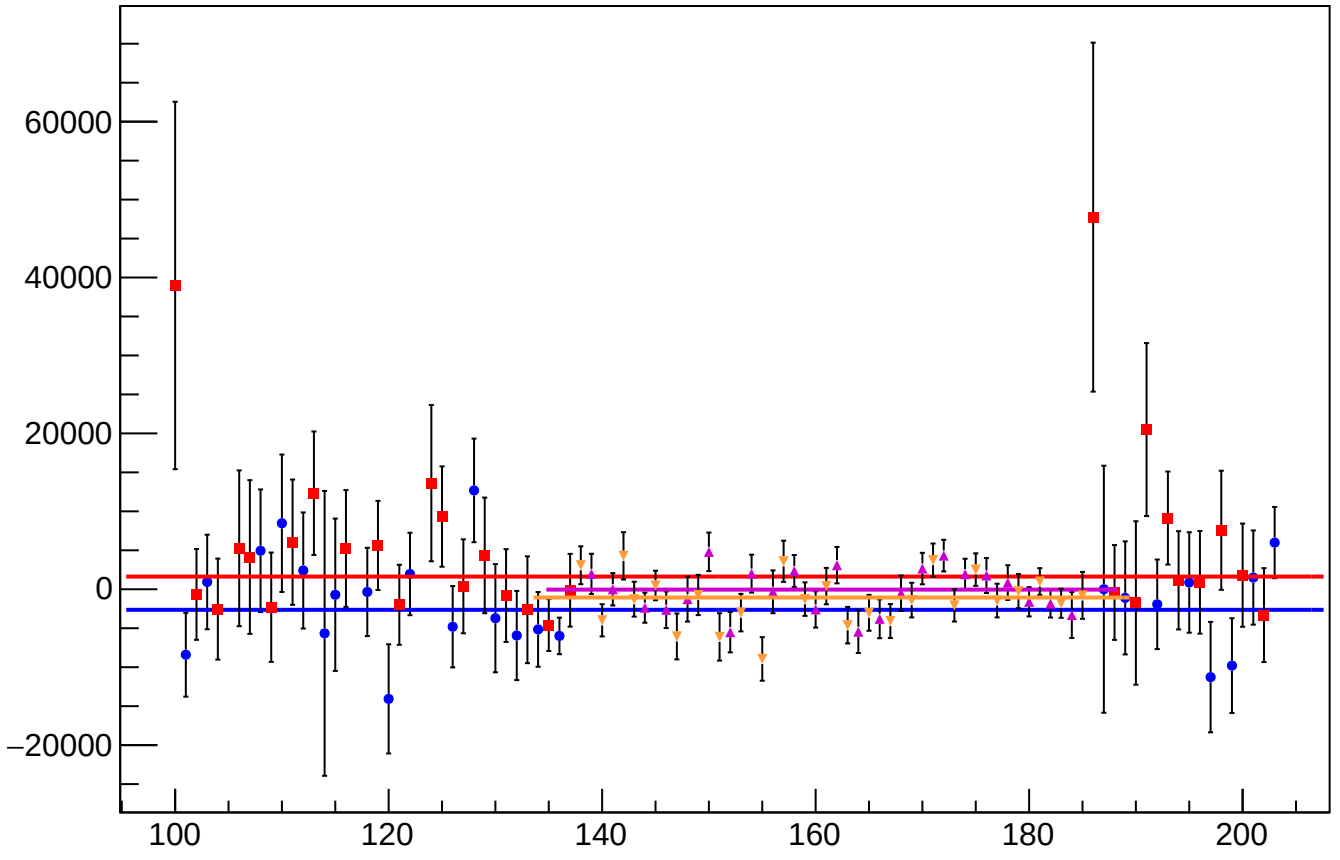
Left: 258.878+/-0.030 χ^2/NDF: 493695.6/47

Right: 329.340+/-0.045 χ^2/NDF: 1926325.4/52

In: 278.480+/-0.036 χ^2/NDF:1665003.4/46

Out: 282.247+/-0.035 χ^2/NDF:2442293.4/53

All: 280.397+/-0.025 χ^2/NDF: 4112996.2/100



Right In: -2636.382+/-1158.373 χ^2/NDF: 23.6/23

Left Out: -1059.232+/-454.653 χ^2/NDF:41.5/24

Right Out: 1629.476+/-1222.826 χ^2/NDF: 24.4/28

Left In: -44.348+/-470.700 χ^2/NDF:34.2/22

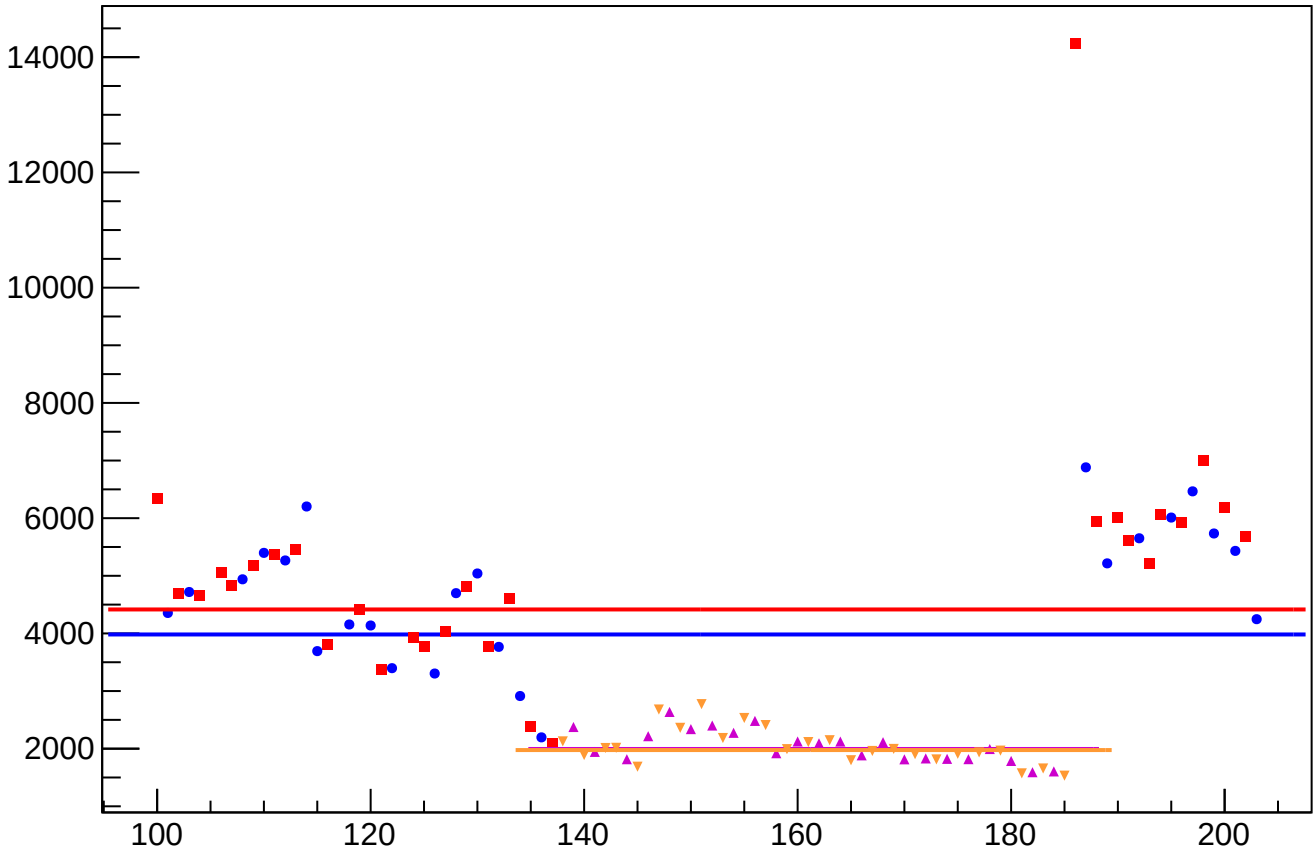
Left: -569.385+/-327.014 χ^2/NDF: 78.1/47

Right: -618.834+/-840.956 χ^2/NDF: 54.4/52

In: -411.684+/-436.074 χ^2/NDF:62.0/46

Out: -732.689+/-426.151 χ^2/NDF:70.1/53

All: -575.880+/-304.782 χ^2/NDF: 132.4/100



Right In: 3981.926+/-0.819 χ^2/NDF: 2630299.4/23

Left Out: 1975.967+/-0.321 χ^2/NDF:763328.1/24

Right Out: 4415.977+/-0.865 χ^2/NDF: 2838977.6/28

Left In: 1994.760+/-0.333 χ^2/NDF:599996.2/22

Left: 1985.038+/-0.231 χ^2/NDF: 1364973.6/47

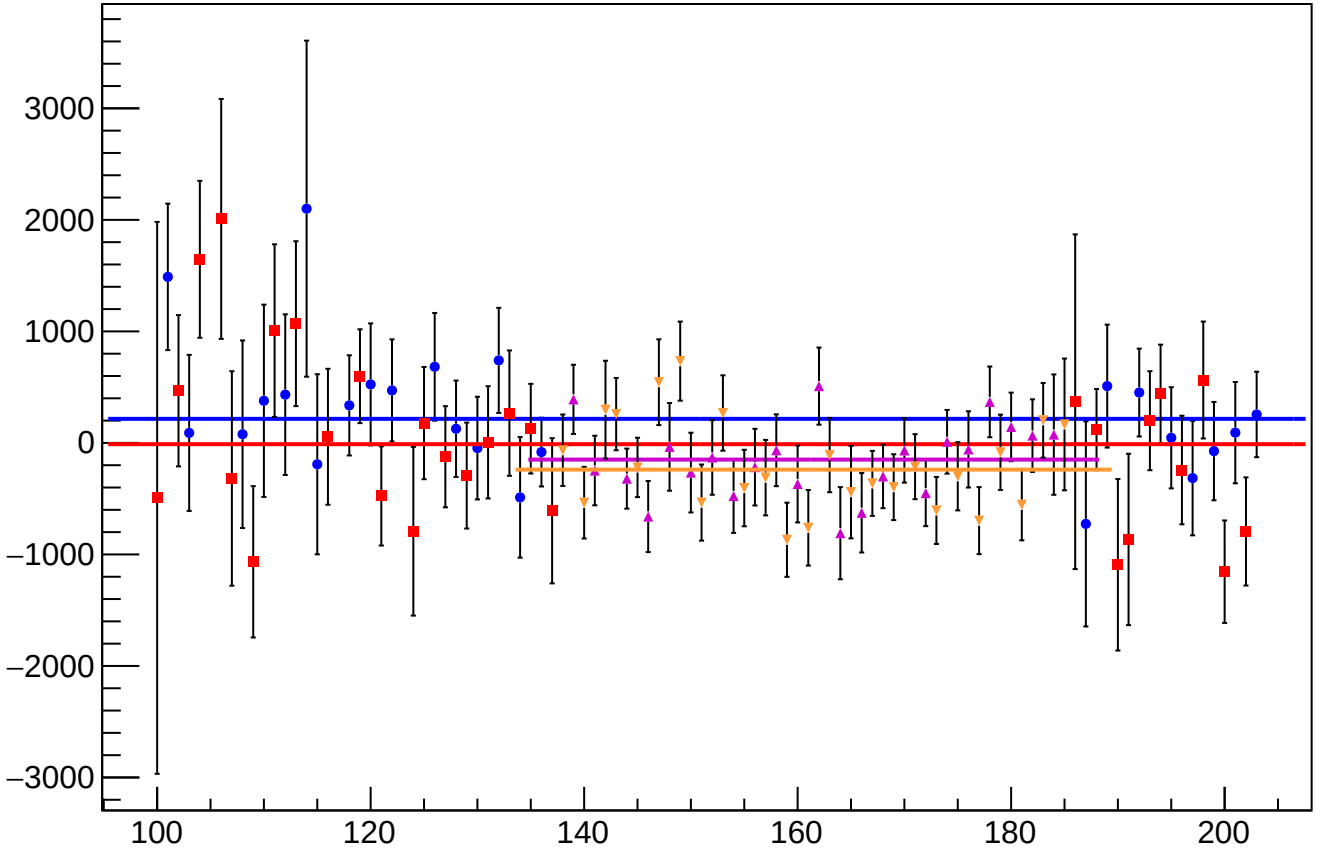
Right: 4187.212+/-0.595 χ^2/NDF: 5602087.1/52

In: 2276.376+/-0.308 χ^2/NDF:8281933.0/46

Out: 2272.306+/-0.301 χ^2/NDF:10598314.6/53

All: 2274.294+/-0.216 χ^2/NDF: 18880336.7/1

dit_asym_sam2_mean vs Slug, Sign Corrected



Right In: 215.821+/-103.528 χ^2/NDF: 15.1/23

Left Out: -239.549+/-66.167 χ^2/NDF:34.0/24

Right Out: -11.476+/-102.907 χ^2/NDF: 36.9/28

Left In: -149.516+/-68.160 χ^2/NDF:21.7/22

Left: -195.868+/-47.476 χ^2/NDF: 56.6/47

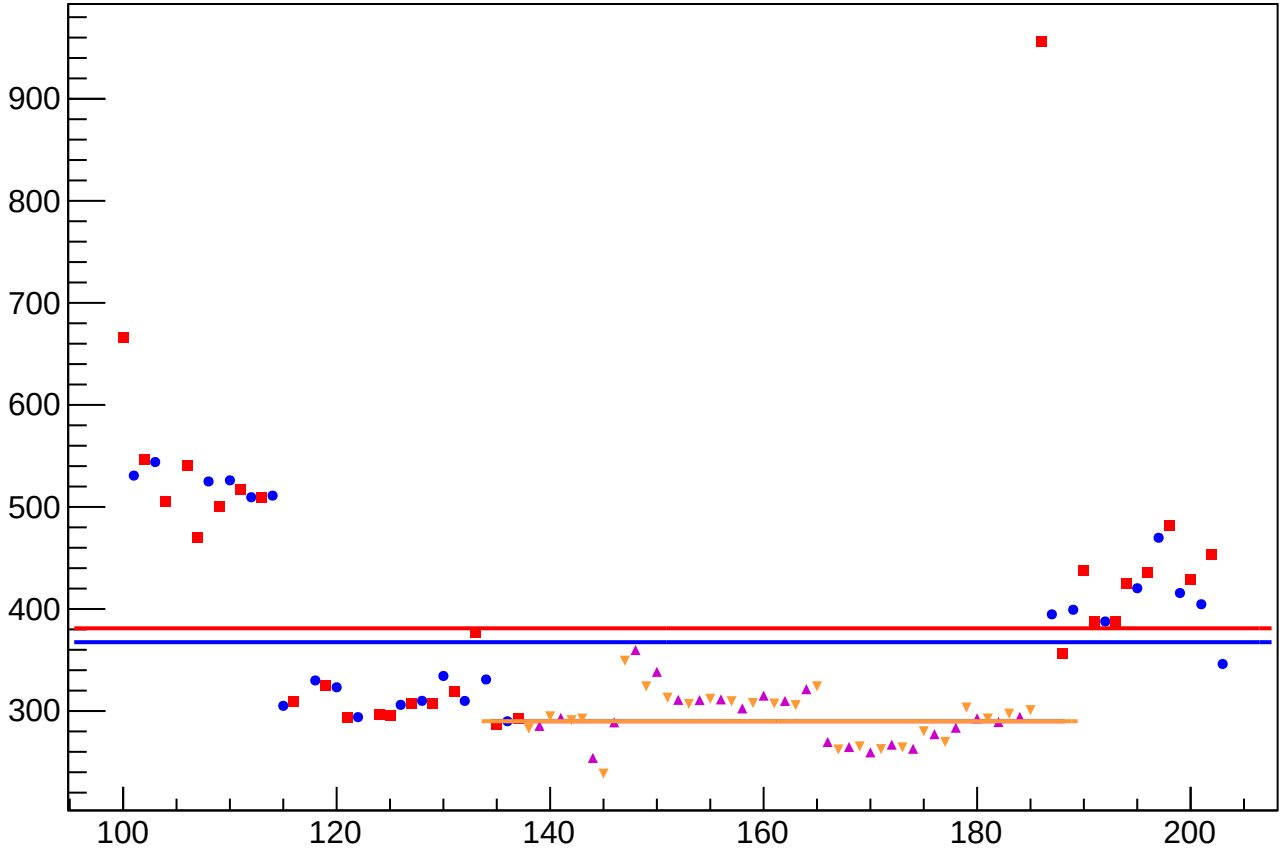
Right: 101.489+/-72.985 χ^2/NDF: 54.4/52

In: -39.044+/-56.929 χ^2/NDF:45.4/46

Out: -172.838+/-55.655 χ^2/NDF:74.4/53

All: -107.455+/-39.797 χ^2/NDF: 122.7/100

dit_asym_sam2_rms vs Slug, Sign Corrected



Right In: 367.460+/-0.073 χ^2/NDF: 982900.9/23

Left Out: 290.023+/-0.047 χ^2/NDF:280647.1/24

Right Out: 381.072+/-0.073 χ^2/NDF: 1452947.5/28

Left In: 289.941+/-0.048 χ^2/NDF:269669.5/22

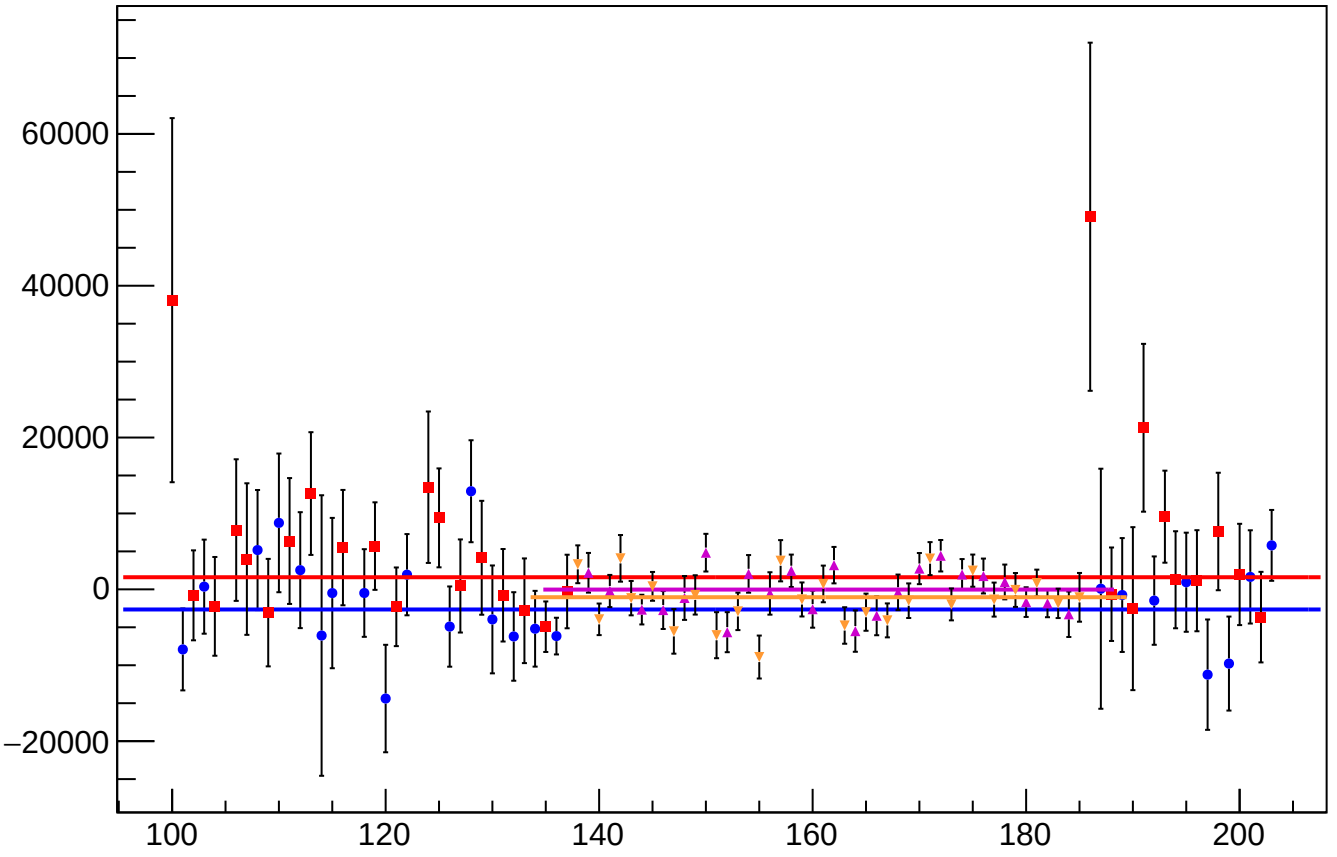
Left: 289.983+/-0.034 χ^2/NDF: 550318.1/47

Right: 374.307+/-0.052 χ^2/NDF: 2453239.8/52

In: 313.382+/-0.040 χ^2/NDF:2034836.7/46

Out: 316.655+/-0.039 χ^2/NDF:2841303.7/53

All: 315.055+/-0.028 χ^2/NDF: 4879520.6/100



Right In: -2652.545+/-1183.356 χ^2/NDF: 23.1/23

Left Out: -1036.592+/-465.324 χ^2/NDF:40.3/24

Right Out: 1595.721+/-1235.321 χ^2/NDF: 25.7/28

Left In: -30.393+/-482.280 χ^2/NDF:34.1/22

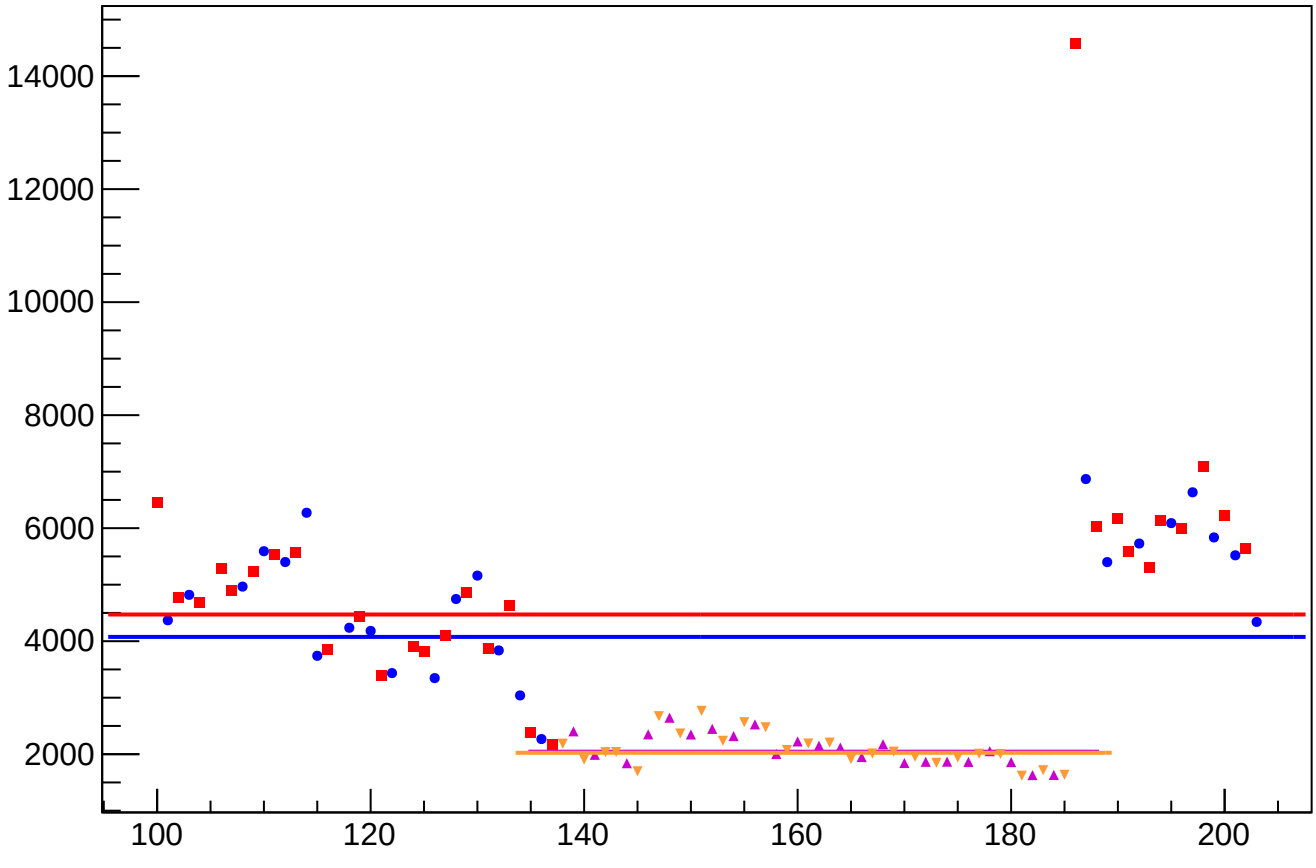
Left: -551.492+/-334.868 χ^2/NDF: 76.7/47

Right: -619.644+/-854.539 χ^2/NDF: 55.0/52

In: -403.893+/-446.613 χ^2/NDF:61.5/46

Out: -709.504+/-435.455 χ^2/NDF:70.0/53

All: -560.564+/-311.783 χ^2/NDF: 131.7/100



Right In: 4075.769+/-0.837 χ^2/NDF: 2551868.6/23

Left Out: 2025.085+/-0.329 χ^2/NDF:700821.6/24

Right Out: 4472.426+/-0.874 χ^2/NDF: 2838477.9/28

Left In: 2044.523+/-0.341 χ^2/NDF:584918.7/22

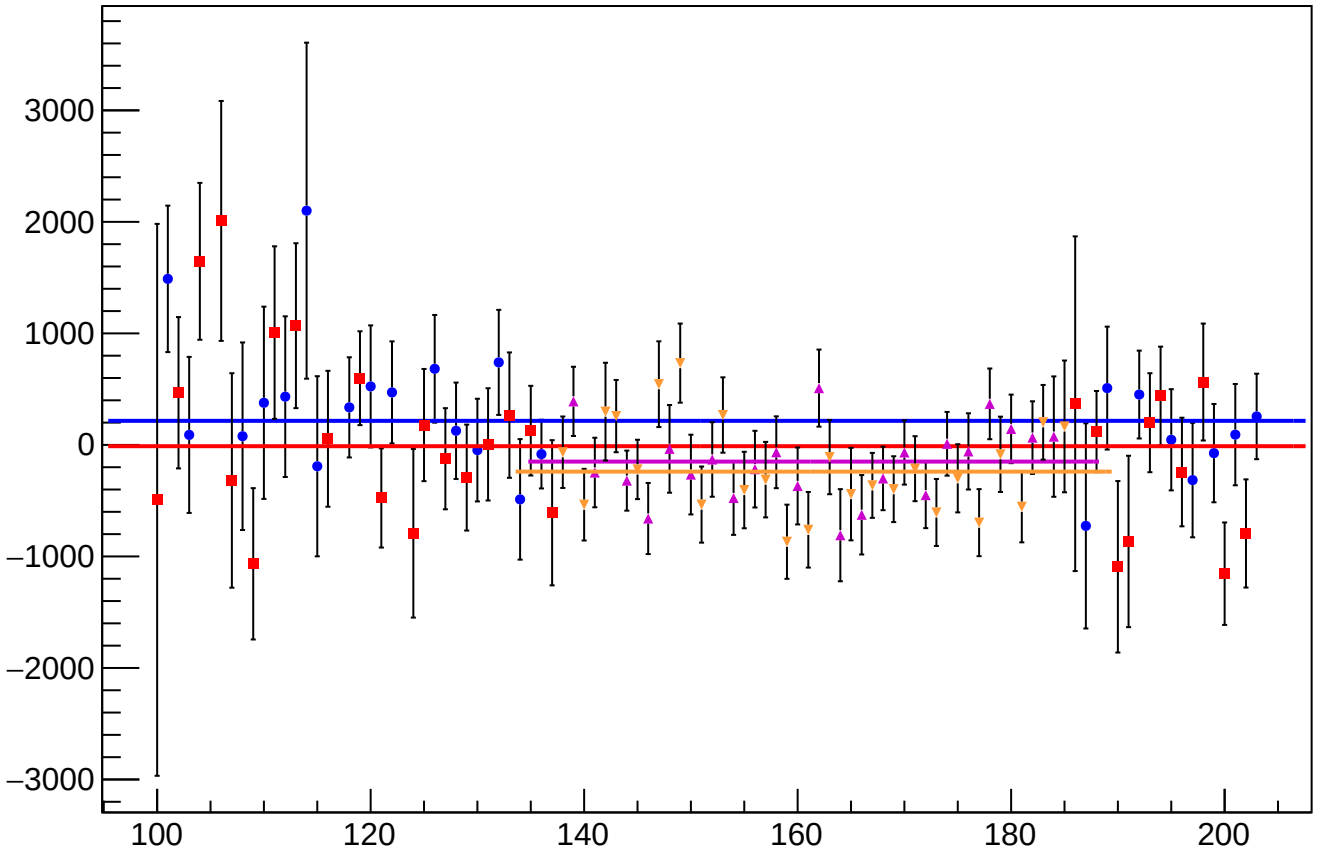
Left: 2034.456+/-0.237 χ^2/NDF: 1287422.7/47

Right: 4265.579+/-0.604 χ^2/NDF: 5497877.6/52

In: 2333.854+/-0.316 χ^2/NDF:8190246.3/46

Out: 2329.188+/-0.308 χ^2/NDF:10413704.5/53

All: 2331.462+/-0.220 χ^2/NDF: 18604062.8/1



Right In: 215.826+/-103.527 χ^2/NDF: 15.1/23

Left Out: -239.552+/-66.167 χ^2/NDF:34.0/24

Right Out: -11.474+/-102.907 χ^2/NDF: 36.9/28

Left In: -149.517+/-68.160 χ^2/NDF:21.7/22

Left: -195.870+/-47.476 χ^2/NDF: 56.6/47

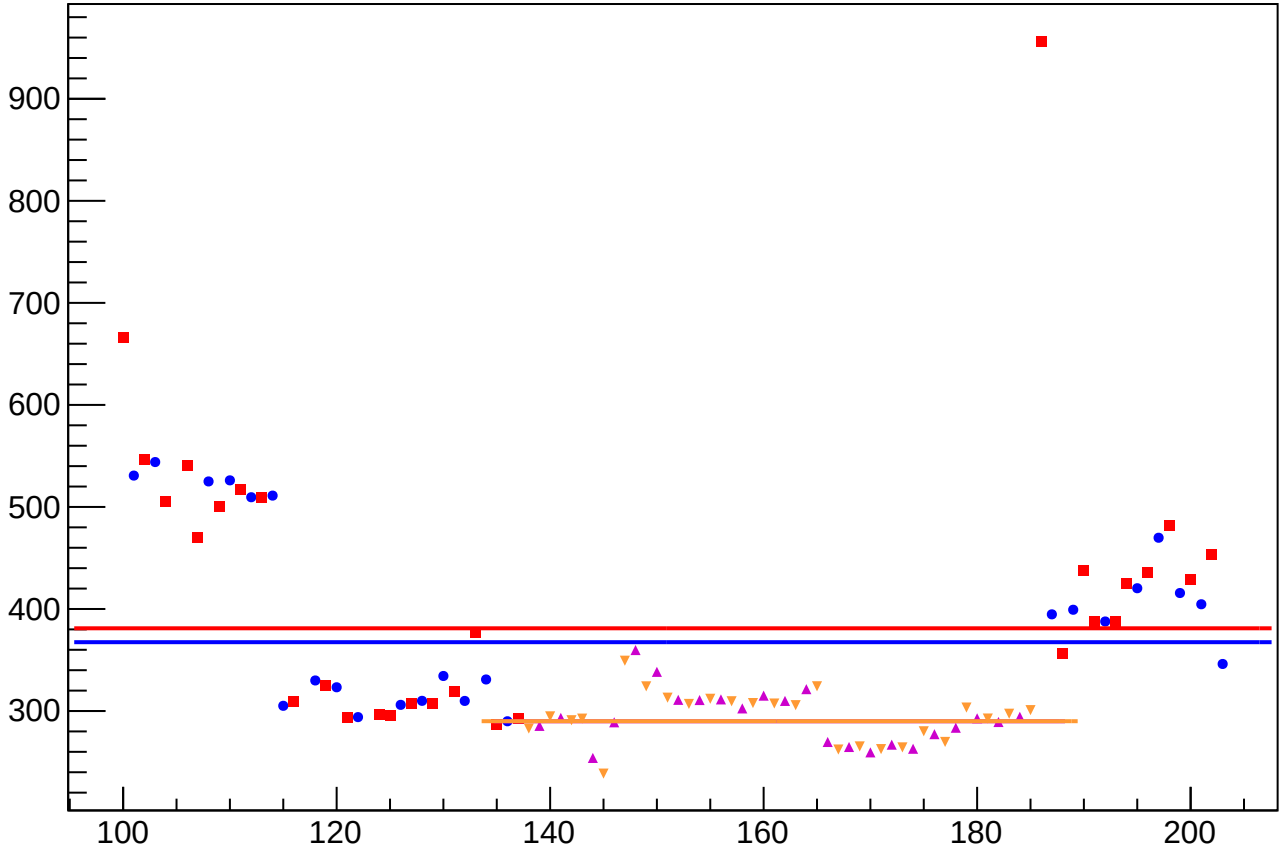
Right: 101.492+/-72.984 χ^2/NDF: 54.4/52

In: -39.043+/-56.929 χ^2/NDF:45.4/46

Out: -172.840+/-55.655 χ^2/NDF:74.4/53

All: -107.455+/-39.797 χ^2/NDF: 122.7/100

eigen_dit_asym_sam2_rms vs Slug, Sign Corrected



Right In: 367.459+/-0.073 χ^2/NDF: 982901.4/23

Left Out: 290.023+/-0.047 χ^2/NDF:280652.8/24

Right Out: 381.072+/-0.073 χ^2/NDF: 1452944.5/28

Left In: 289.941+/-0.048 χ^2/NDF:269671.9/22

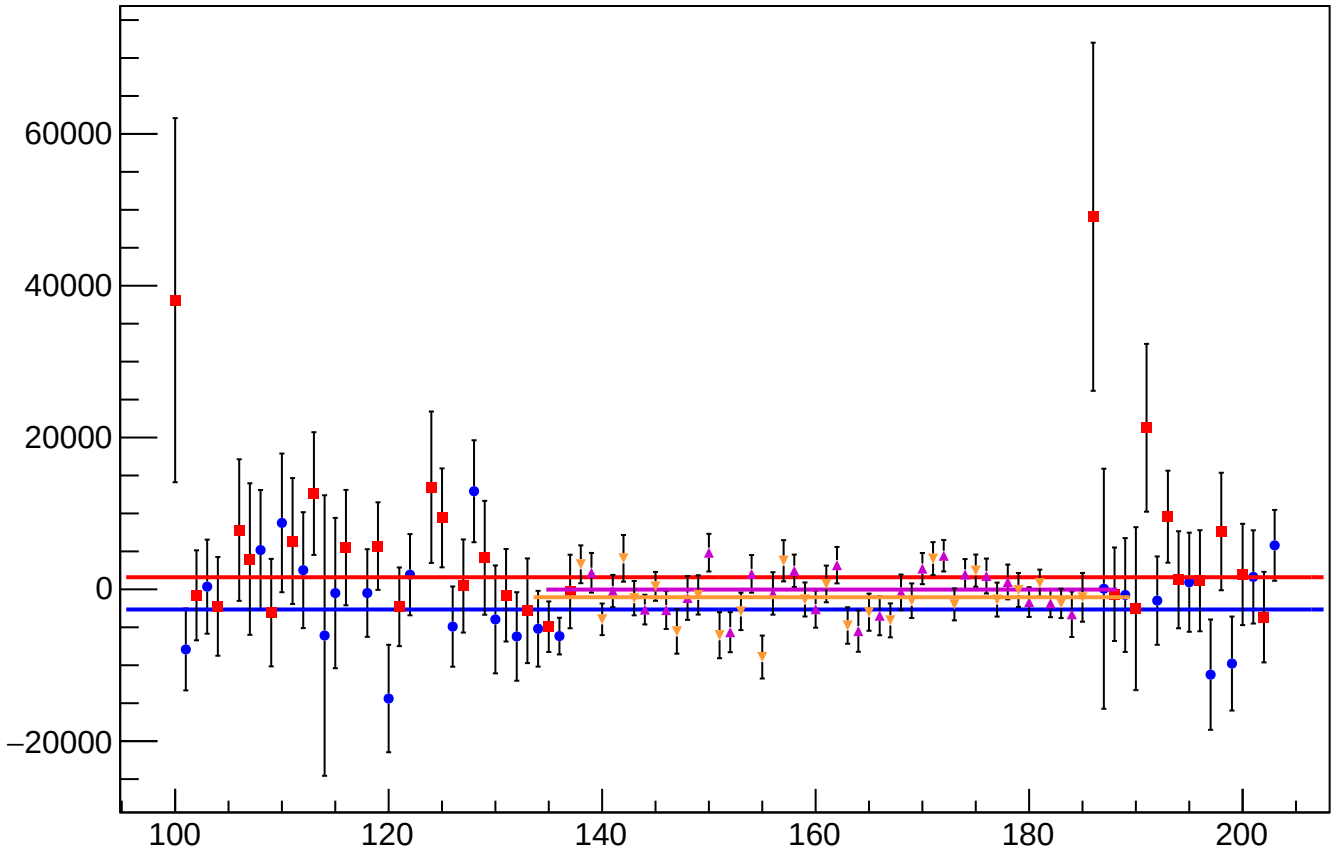
Left: 289.983+/-0.034 χ^2/NDF: 550326.2/47

Right: 374.306+/-0.052 χ^2/NDF: 2453238.7/52

In: 313.381+/-0.040 χ^2/NDF:2034818.2/46

Out: 316.655+/-0.039 χ^2/NDF:2841289.2/53

All: 315.055+/-0.028 χ^2/NDF: 4879488.0/100



Right In: -2652.541+/-1183.355 χ^2/NDF: 23.1/23

Left Out: -1036.591+/-465.324 χ^2/NDF:40.3/24

Right Out: 1595.724+/-1235.320 χ^2/NDF: 25.7/28

Left In: -30.392+/-482.280 χ^2/NDF:34.1/22

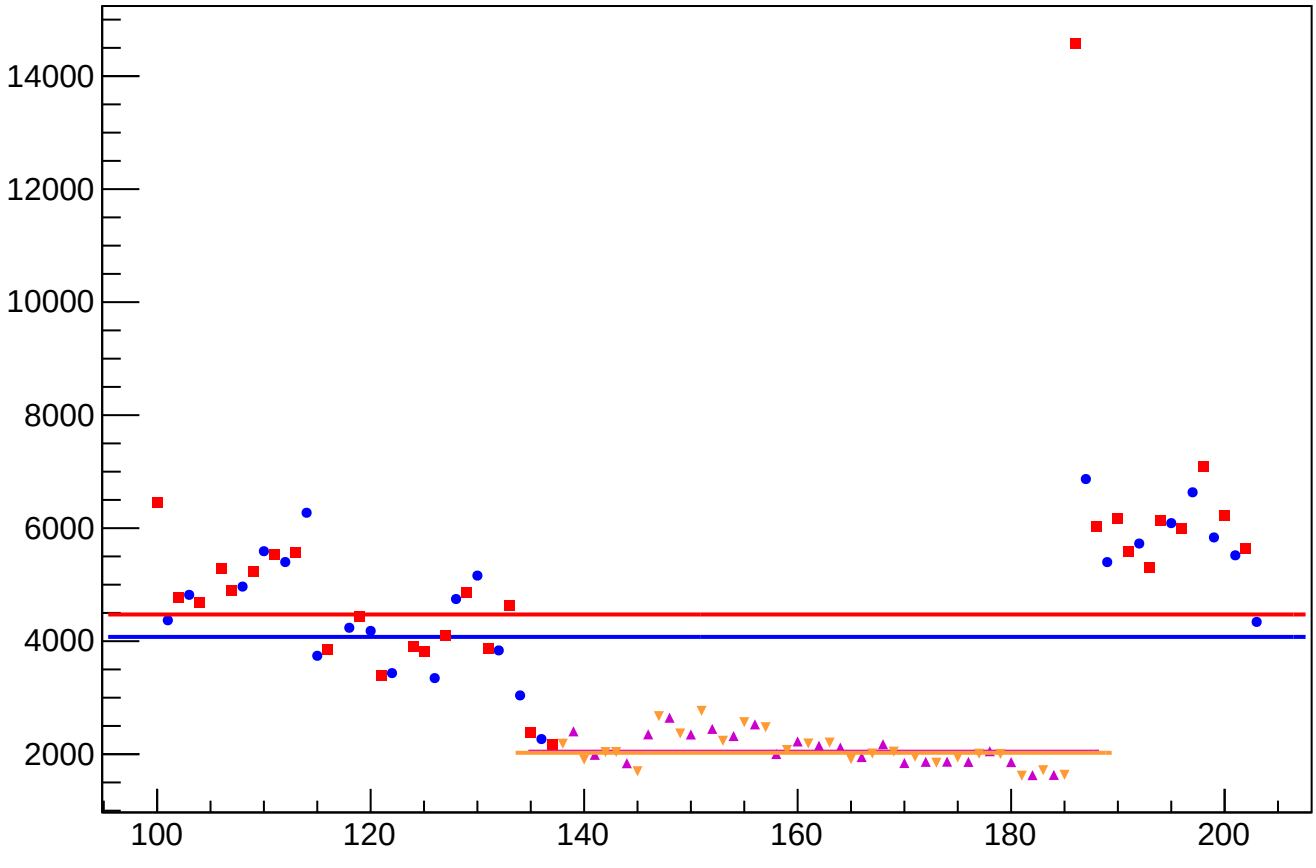
Left: -551.491+/-334.868 χ^2/NDF: 76.7/47

Right: -619.640+/-854.539 χ^2/NDF: 55.0/52

In: -403.892+/-446.613 χ^2/NDF:61.5/46

Out: -709.503+/-435.455 χ^2/NDF:70.0/53

All: -560.563+/-311.783 χ^2/NDF: 131.7/100



Right In: 4075.766+/-0.837 χ^2/NDF: 2551859.4/23

Left Out: 2025.085+/-0.329 χ^2/NDF:700825.4/24

Right Out: 4472.421+/-0.874 χ^2/NDF: 2838475.1/28

Left In: 2044.522+/-0.341 χ^2/NDF:584922.7/22

Left: 2034.456+/-0.237 χ^2/NDF: 1287430.5/47

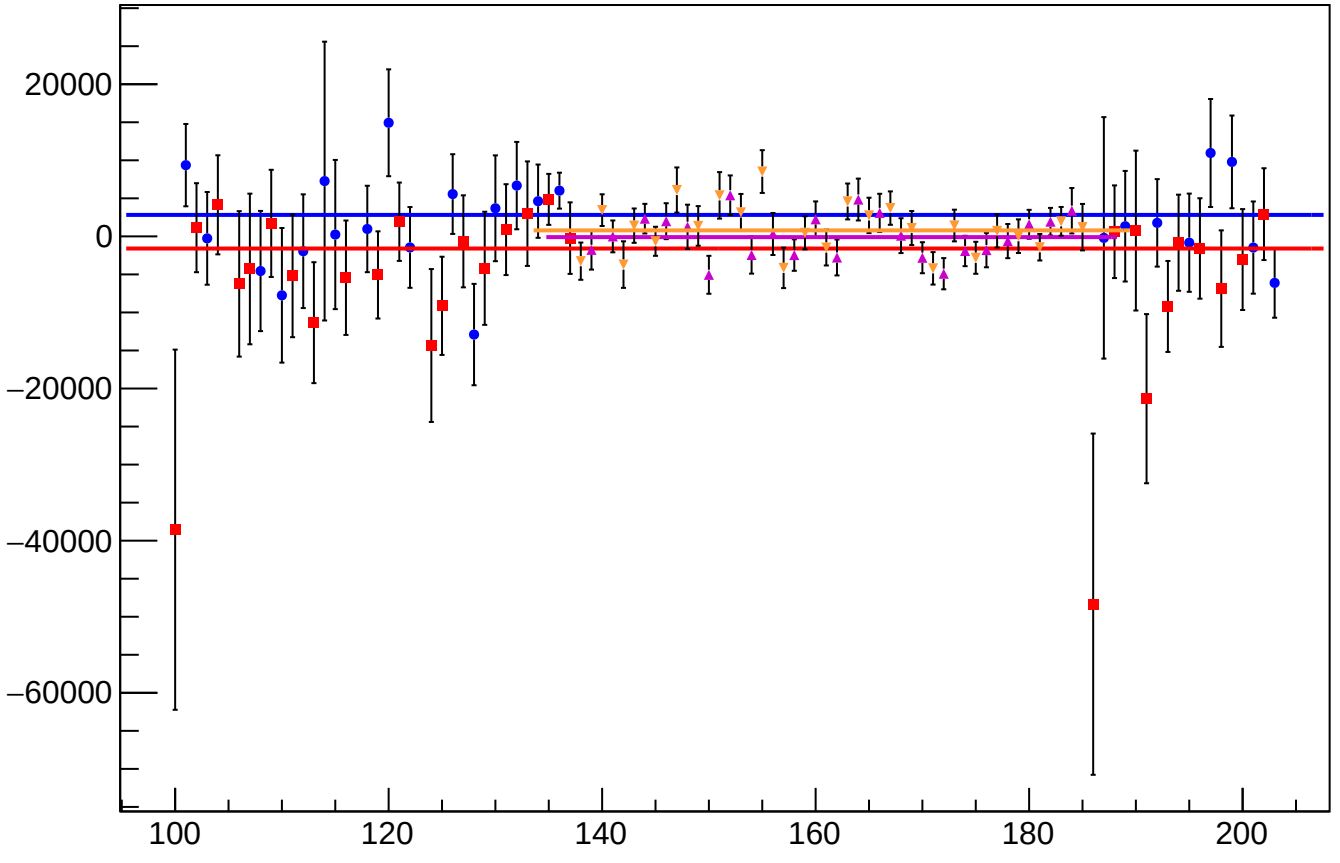
Right: 4265.575+/-0.604 χ^2/NDF: 5497864.9/52

In: 2333.854+/-0.316 χ^2/NDF:8190235.2/46

Out: 2329.189+/-0.308 χ^2/NDF:10413690.8/53

All: 2331.462+/-0.220 χ^2/NDF: 18604037.8/1

asym_sam2_mean vs Slug, Sign Corrected



Right In: 2823.151+/-1163.097 χ^2/NDF: 23.9/23

Left Out: 788.321+/-458.726 χ^2/NDF:41.3/24

Right Out: -1597.883+/-1226.133 χ^2/NDF: 24.7/28

Left In: -96.730+/-474.825 χ^2/NDF:32.8/22

Left: 361.054+/-329.913 χ^2/NDF: 76.0/47

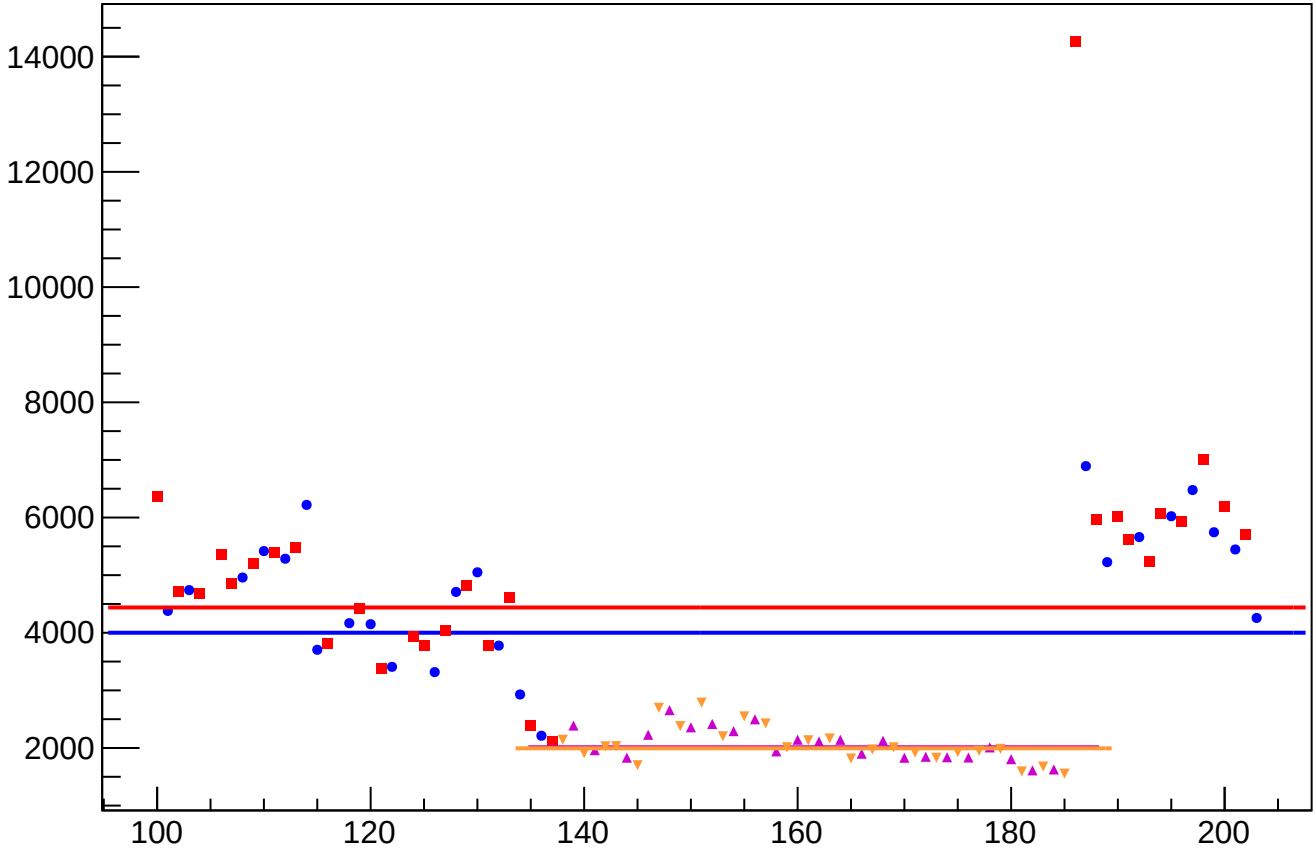
Right: 729.195+/-843.839 χ^2/NDF: 55.5/52

In: 320.385+/-439.604 χ^2/NDF:62.2/46

Out: 495.336+/-429.642 χ^2/NDF:69.3/53

All: 409.865+/-307.264 χ^2/NDF: 131.6/100

asym_sam2_rms vs Slug, Sign Corrected



Right In: 4000.661+/-0.822 χ^2/NDF: 2602304.9/23

Left Out: 1994.246+/-0.324 χ^2/NDF:746498.4/24

Right Out: 4438.838+/-0.867 χ^2/NDF: 2826485.7/28

Left In: 2012.692+/-0.336 χ^2/NDF:587260.9/22

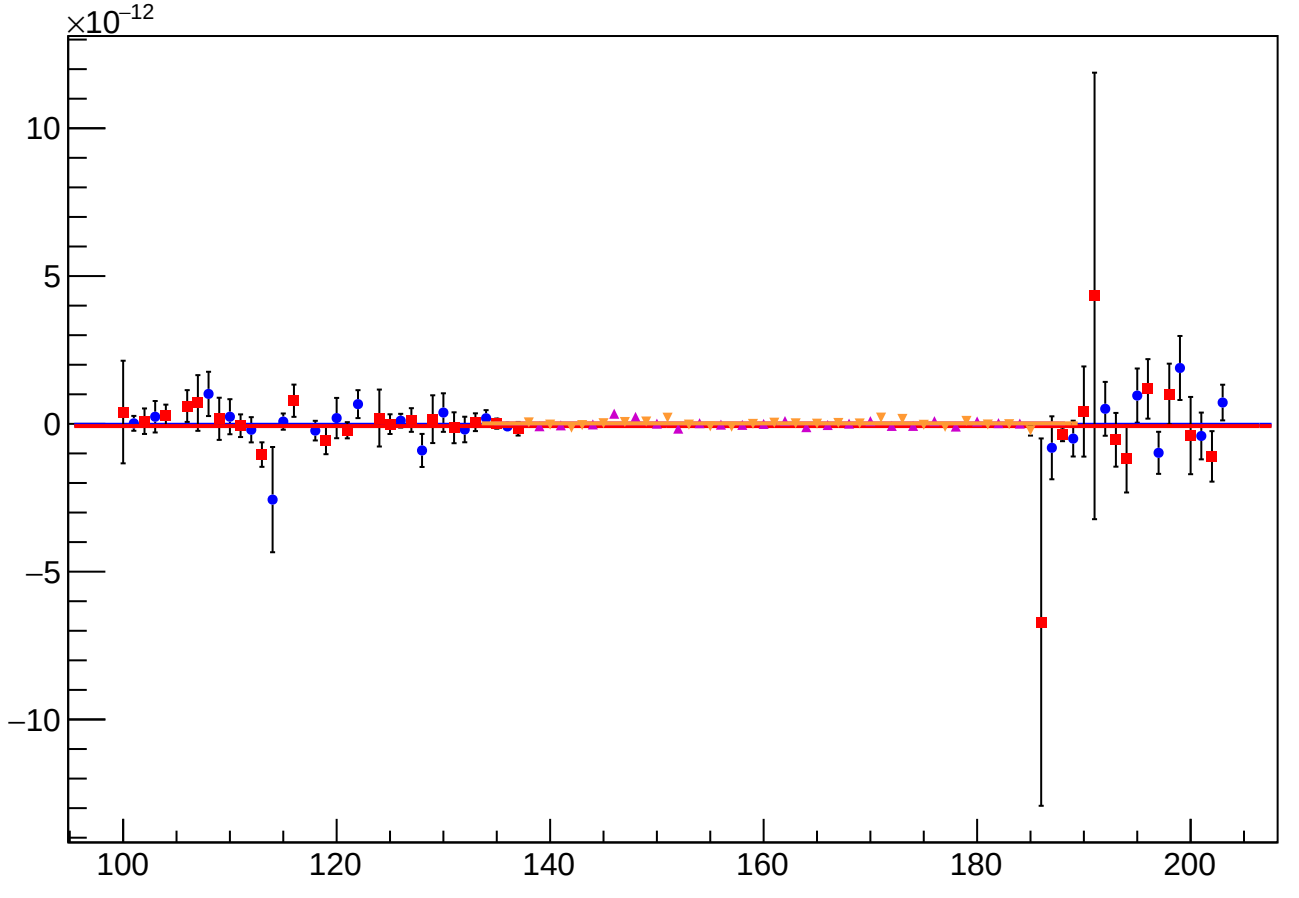
Left: 2003.151+/-0.233 χ^2/NDF: 1335320.5/47

Right: 4208.197+/-0.597 χ^2/NDF: 5563234.6/52

In: 2296.680+/-0.311 χ^2/NDF:8197662.2/46

Out: 2294.400+/-0.304 χ^2/NDF:10546868.6/53

All: 2295.514+/-0.217 χ^2/NDF: 18744558.3/1



Right In: -0.000+/-0.000 χ^2/NDF: 21.3/23

Left Out: 0.000+/-0.000 χ^2/NDF:21.2/24

Right Out: -0.000+/-0.000 χ^2/NDF: 22.2/28

Left In: 0.000+/-0.000 χ^2/NDF:30.6/22

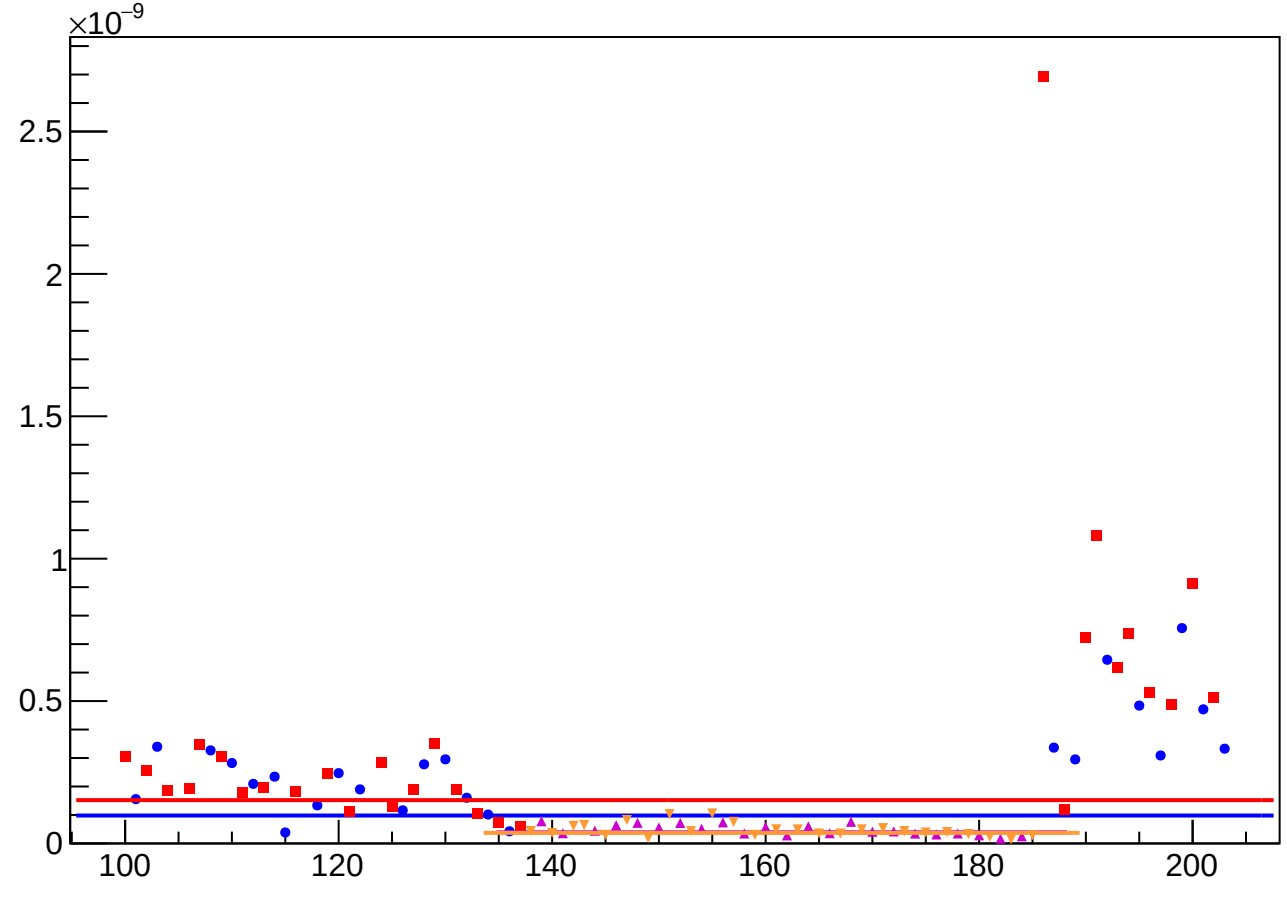
Left: 0.000+/-0.000 χ^2/NDF: 51.9/47

Right: -0.000+/-0.000 χ^2/NDF: 43.7/52

In: 0.000+/-0.000 χ^2/NDF:52.5/46

Out: 0.000+/-0.000 χ^2/NDF:44.7/53

All: 0.000+/-0.000 χ^2/NDF: 97.2/100



Right In: 0.000+/-0.000 χ^2/NDF: 5874694.3/23

Left Out: 0.000+/-0.000 χ^2/NDF:2323330.9/24

Right Out: 0.000+/-0.000 χ^2/NDF: 4749827.5/28

Left In: 0.000+/-0.000 χ^2/NDF:1921481.4/22

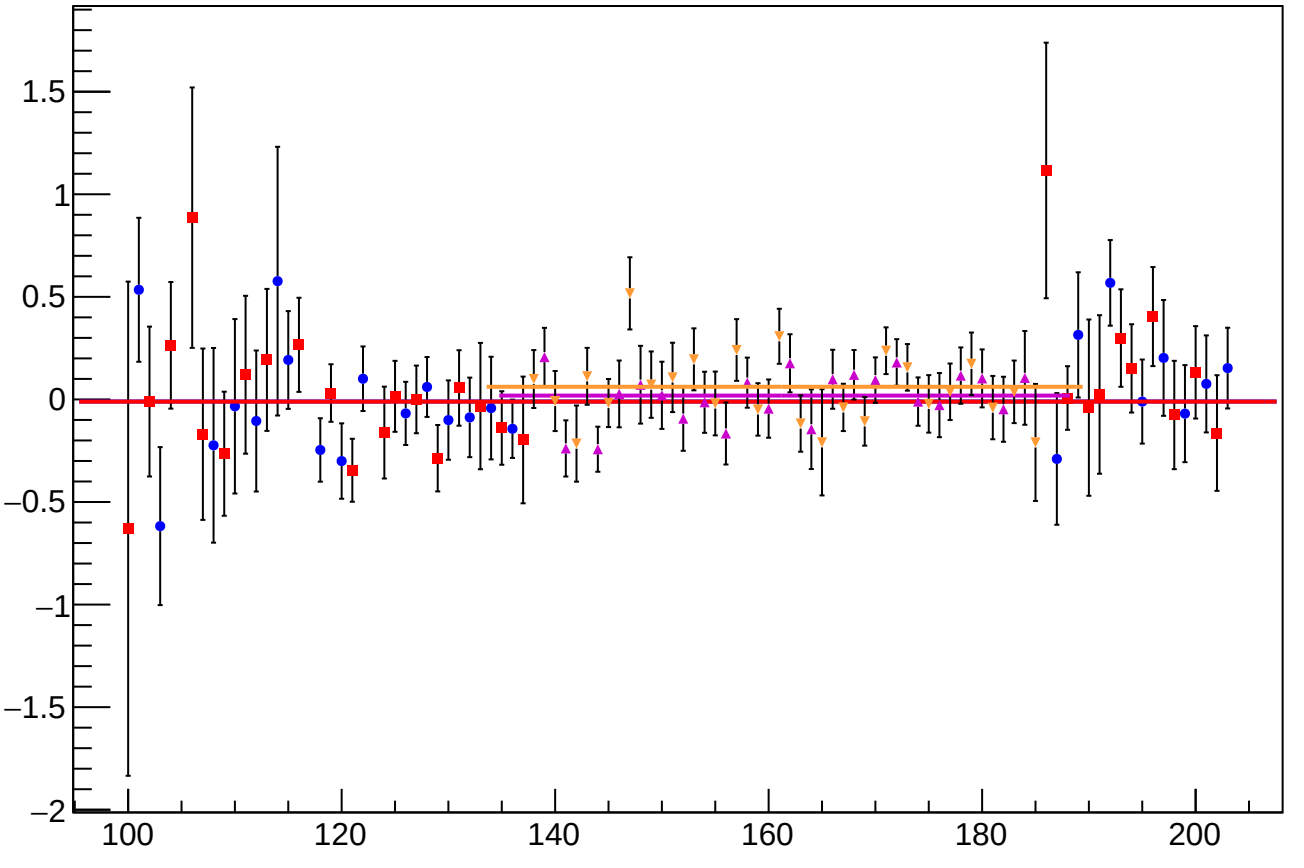
Left: 0.000+/-0.000 χ^2/NDF: 4258987.4/47

Right: 0.000+/-0.000 χ^2/NDF: 11234128.4/52

In: 0.000+/-0.000 χ^2/NDF:9634779.0/46

Out: 0.000+/-0.000 χ^2/NDF:11234084.5/53

All: 0.000+/-0.000 χ^2/NDF: 20882307.1/100



Right In: -0.010+/-0.044 χ^2/NDF: 24.7/23

Left Out: 0.062+/-0.029 χ^2/NDF:27.4/24

Right Out: -0.011+/-0.043 χ^2/NDF: 24.3/28

Left In: 0.019+/-0.029 χ^2/NDF:20.3/22

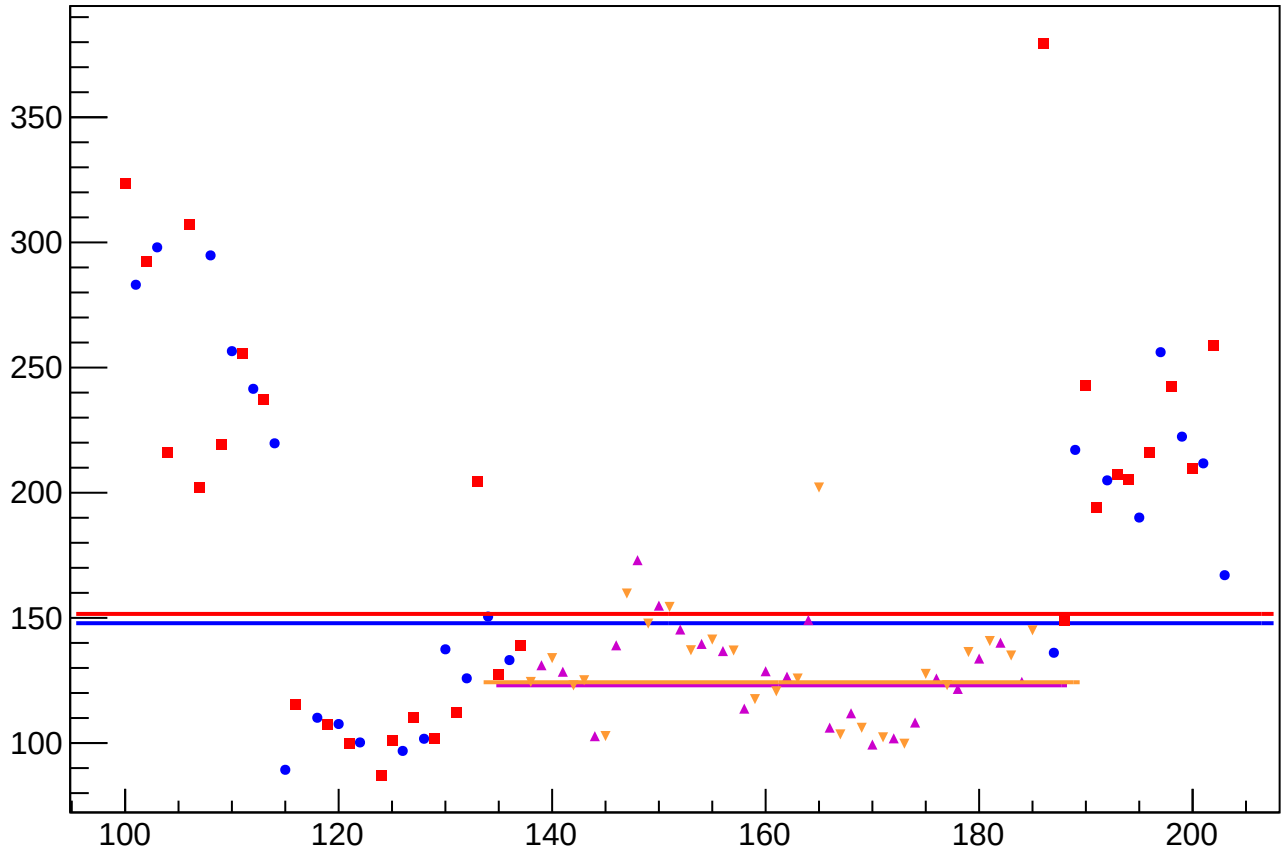
Left: 0.041+/-0.021 χ^2/NDF: 48.8/47

Right: -0.010+/-0.031 χ^2/NDF: 49.0/52

In: 0.010+/-0.024 χ^2/NDF:45.3/46

Out: 0.040+/-0.024 χ^2/NDF:53.7/53

All: 0.025+/-0.017 χ^2/NDF: 99.8/100



Right In: 147.877+/-0.031 χ^2/NDF: 3086654.1/23

Left Out: 124.292+/-0.020 χ^2/NDF:840983.3/24

Right Out: 151.587+/-0.031 χ^2/NDF: 3679151.6/28

Left In: 123.062+/-0.021 χ^2/NDF:718821.1/22

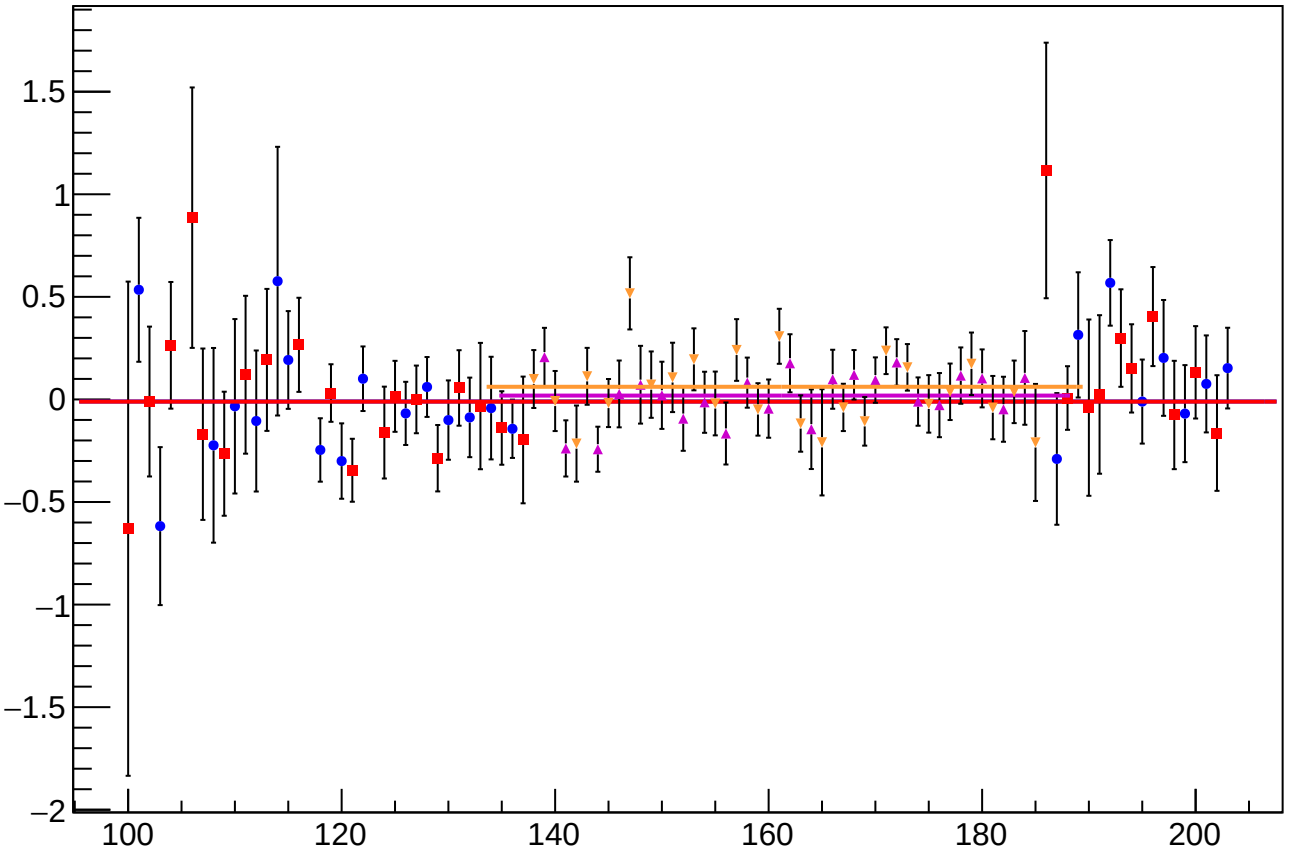
Left: 123.690+/-0.015 χ^2/NDF: 1561601.6/47

Right: 149.768+/-0.022 χ^2/NDF: 6773025.8/52

In: 130.676+/-0.017 χ^2/NDF:4244726.1/46

Out: 132.631+/-0.017 χ^2/NDF:5073517.4/53

All: 131.674+/-0.012 χ^2/NDF: 9324790.5/100



Right In: -0.010+/-0.044 χ^2/NDF: 24.7/23

Left Out: 0.062+/-0.029 χ^2/NDF:27.4/24

Right Out: -0.011+/-0.043 χ^2/NDF: 24.3/28

Left In: 0.019+/-0.029 χ^2/NDF:20.3/22

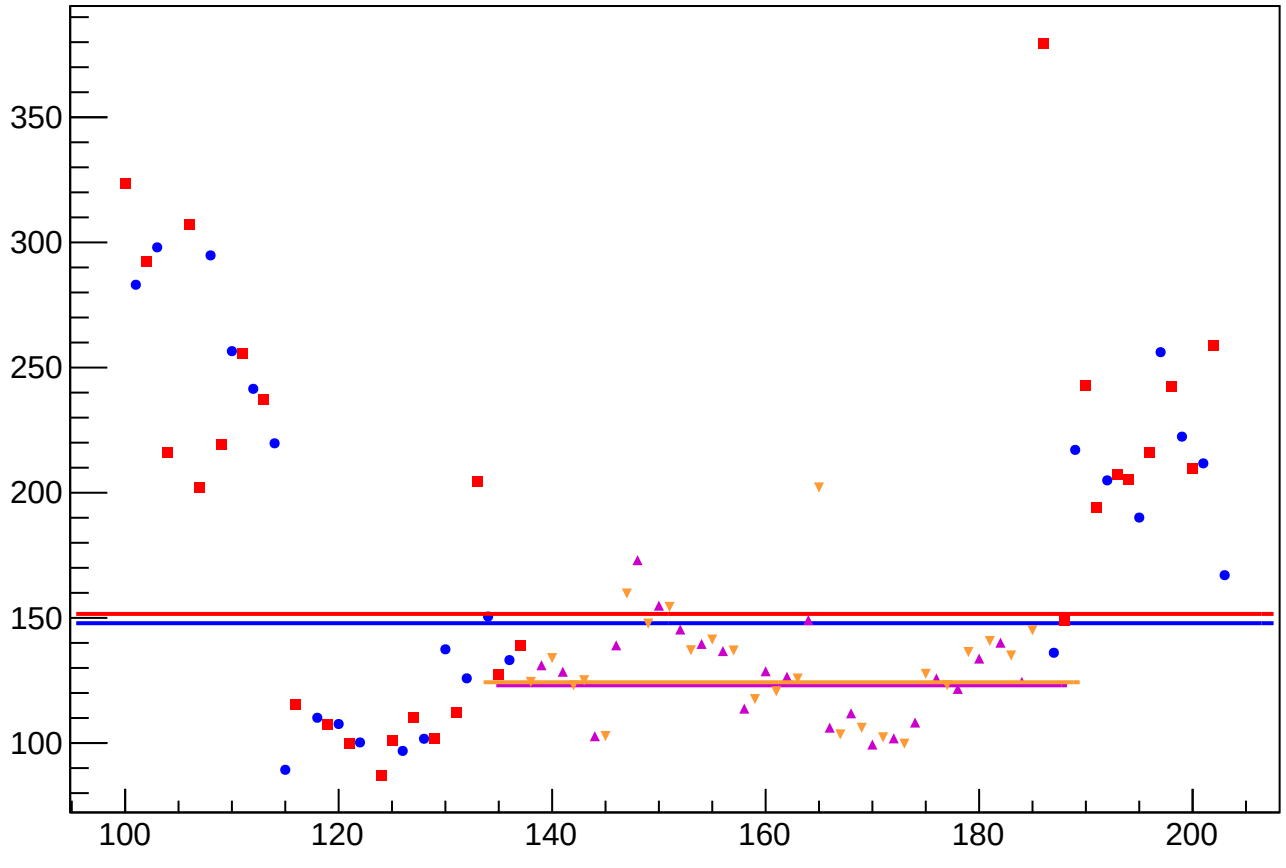
Left: 0.041+/-0.021 χ^2/NDF: 48.8/47

Right: -0.010+/-0.031 χ^2/NDF: 49.0/52

In: 0.010+/-0.024 χ^2/NDF:45.3/46

Out: 0.040+/-0.024 χ^2/NDF:53.7/53

All: 0.025+/-0.017 χ^2/NDF: 99.8/100



Right In: 147.877+/-0.031 χ^2/NDF: 3086654.1/23

Left Out: 124.292+/-0.020 χ^2/NDF:840983.3/24

Right Out: 151.587+/-0.031 χ^2/NDF: 3679151.6/28

Left In: 123.062+/-0.021 χ^2/NDF:718821.1/22

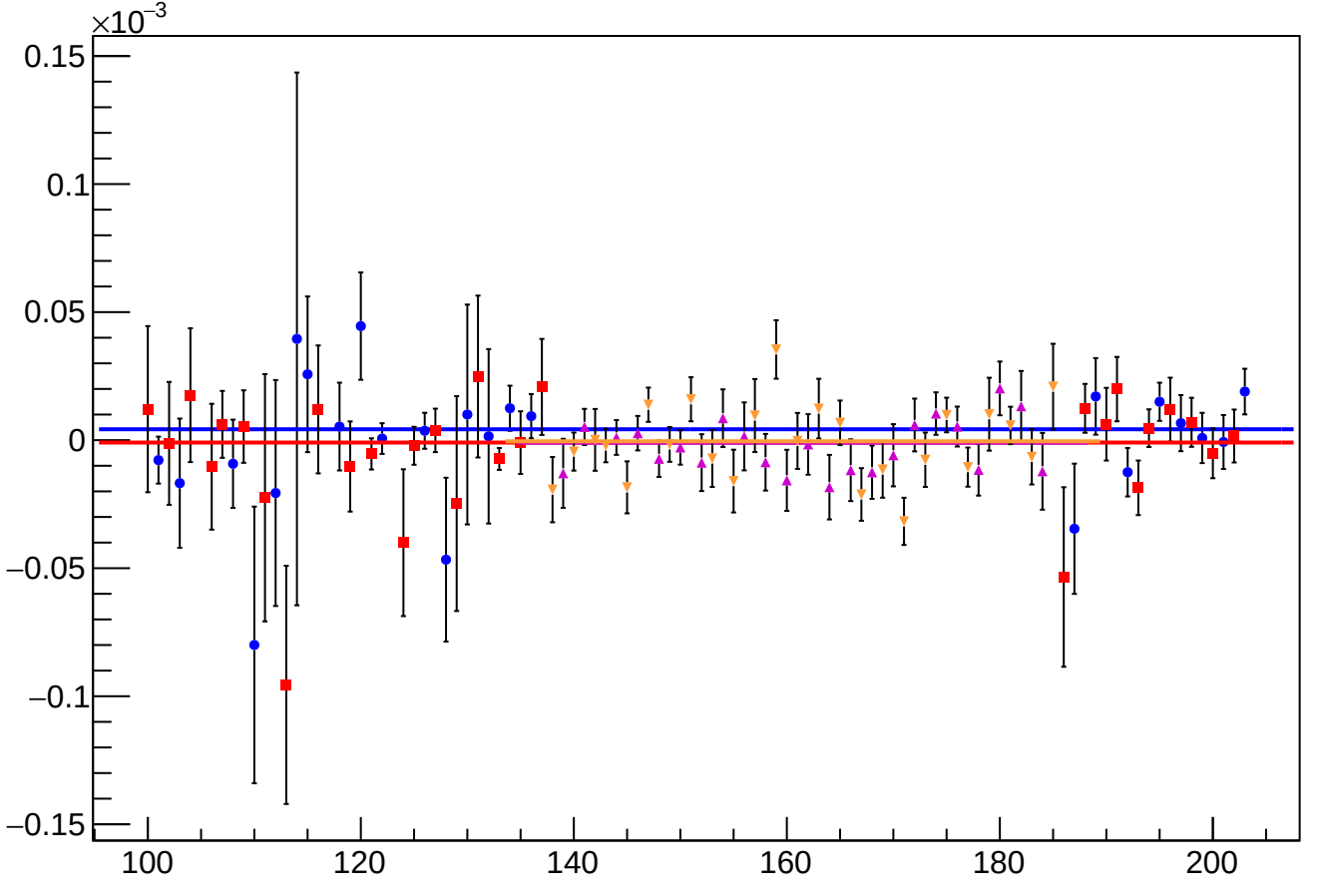
Left: 123.690+/-0.015 χ^2/NDF: 1561601.6/47

Right: 149.768+/-0.022 χ^2/NDF: 6773025.8/52

In: 130.676+/-0.017 χ^2/NDF:4244726.1/46

Out: 132.631+/-0.017 χ^2/NDF:5073517.4/53

All: 131.674+/-0.012 χ^2/NDF: 9324790.5/100



Right In: 0.000+/-0.000 χ^2/NDF: 25.6/23

Left Out: -0.000+/-0.000 χ^2/NDF:52.5/24

Right Out: -0.000+/-0.000 χ^2/NDF: 26.0/28

Left In: -0.000+/-0.000 χ^2/NDF:20.0/22

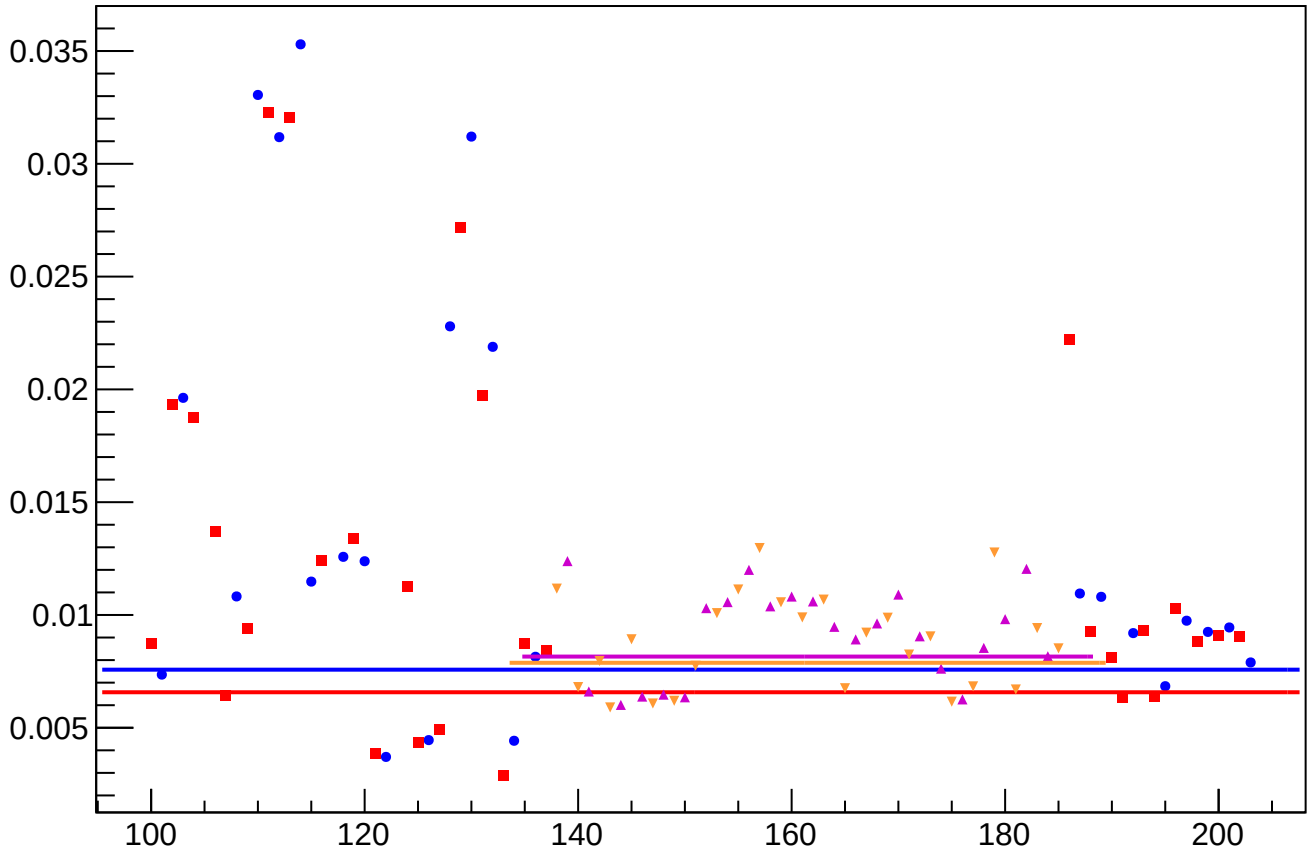
Left: -0.000+/-0.000 χ^2/NDF: 72.5/47

Right: 0.000+/-0.000 χ^2/NDF: 54.4/52

In: 0.000+/-0.000 χ^2/NDF:48.5/46

Out: -0.000+/-0.000 χ^2/NDF:78.5/53

All: 0.000+/-0.000 χ^2/NDF: 127.8/100



Right In: 0.008+/-0.000 χ^2/NDF: 5311264.6/23

Left Out: 0.008+/-0.000 χ^2/NDF:2076596.0/24

Right Out: 0.007+/-0.000 χ^2/NDF: 7206198.7/28

Left In: 0.008+/-0.000 χ^2/NDF:2017677.5/22

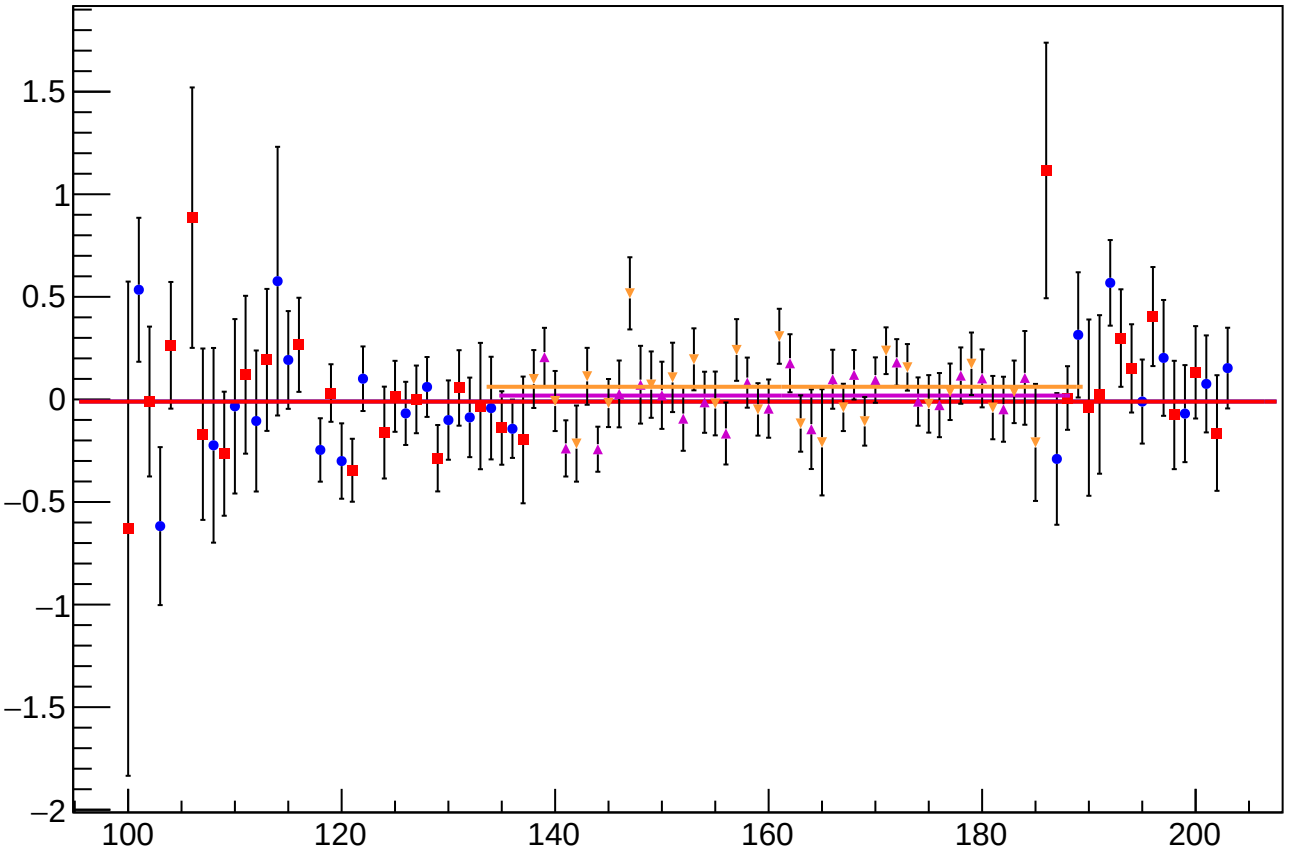
Left: 0.008+/-0.000 χ^2/NDF: 4114921.6/47

Right: 0.007+/-0.000 χ^2/NDF: 12720178.7/52

In: 0.008+/-0.000 χ^2/NDF:7399266.9/46

Out: 0.007+/-0.000 χ^2/NDF:9727781.8/53

All: 0.008+/-0.000 χ^2/NDF: 17310697.7/100



Right In: -0.010+/-0.044 χ^2/NDF: 24.7/23

Left Out: 0.062+/-0.029 χ^2/NDF:27.4/24

Right Out: -0.011+/-0.043 χ^2/NDF: 24.3/28

Left In: 0.019+/-0.029 χ^2/NDF:20.3/22

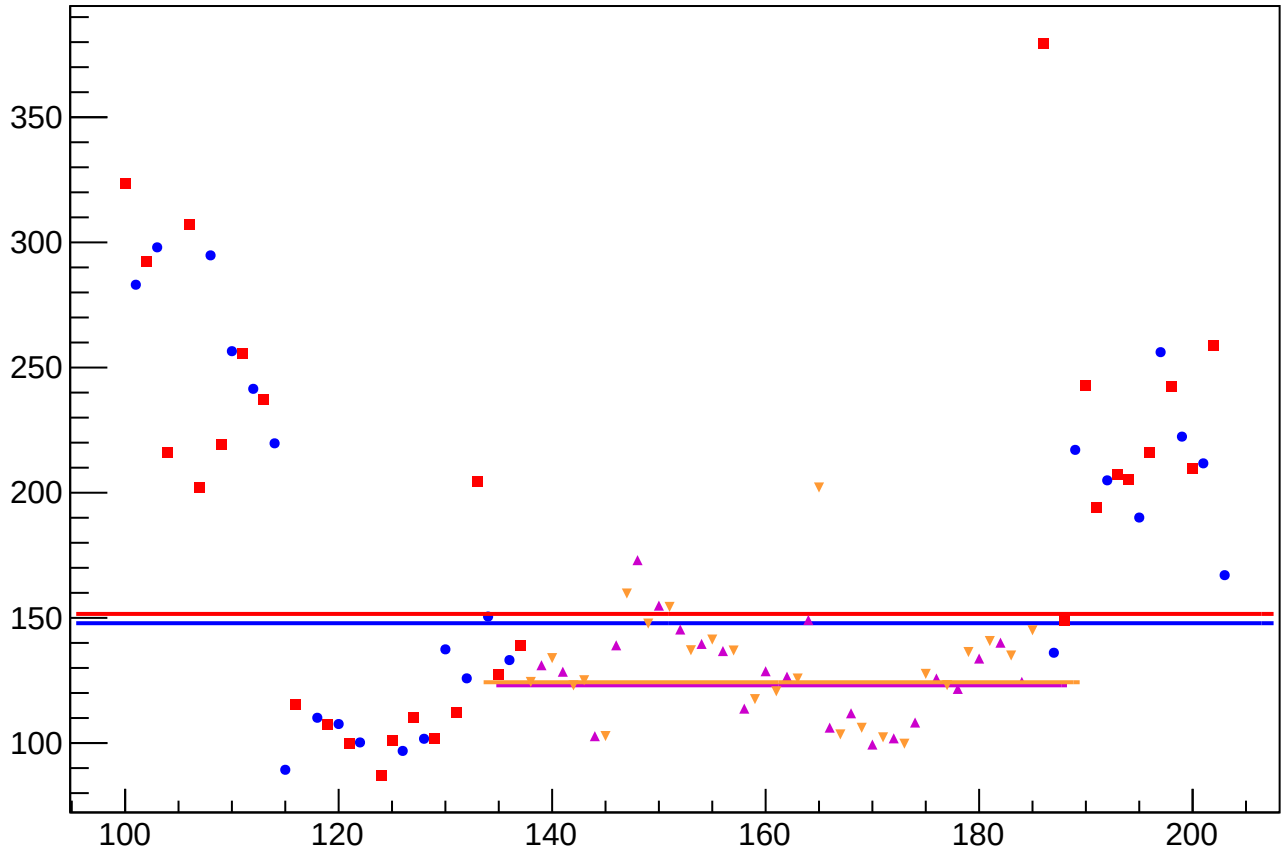
Left: 0.041+/-0.021 χ^2/NDF: 48.8/47

Right: -0.010+/-0.031 χ^2/NDF: 49.0/52

In: 0.010+/-0.024 χ^2/NDF:45.3/46

Out: 0.040+/-0.024 χ^2/NDF:53.7/53

All: 0.025+/-0.017 χ^2/NDF: 99.8/100



Right In: 147.874+/-0.031 χ^2/NDF: 3086708.1/23

Left Out: 124.292+/-0.020 χ^2/NDF:841035.9/24

Right Out: 151.585+/-0.031 χ^2/NDF: 3679268.2/28

Left In: 123.062+/-0.021 χ^2/NDF:718844.3/22

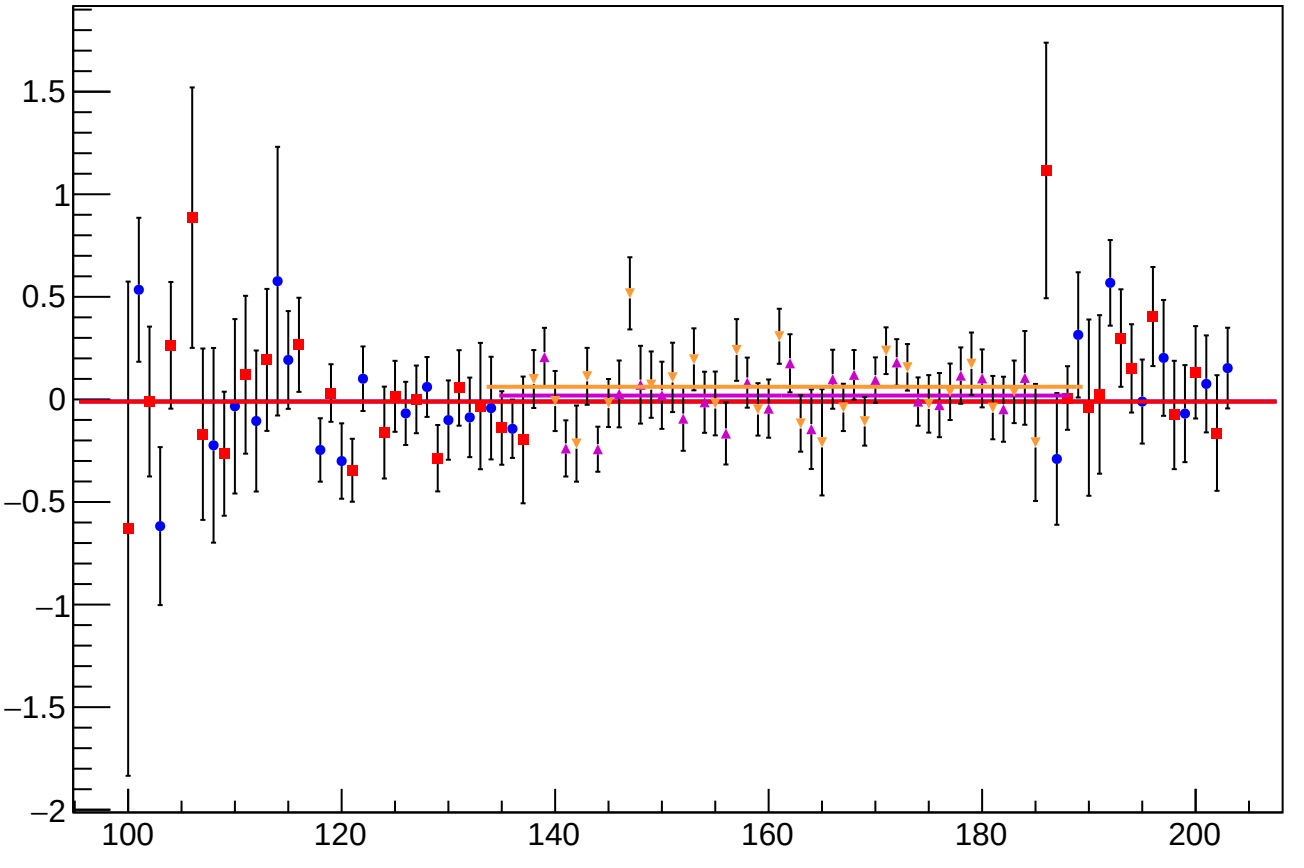
Left: 123.690+/-0.015 χ^2/NDF: 1561677.7/47

Right: 149.765+/-0.022 χ^2/NDF: 6773196.3/52

In: 130.675+/-0.017 χ^2/NDF:4244726.5/46

Out: 132.630+/-0.017 χ^2/NDF:5073590.6/53

All: 131.673+/-0.012 χ^2/NDF: 9324864.5/100



Right In: -0.010+/-0.044 χ^2/NDF: 24.7/23

Left Out: 0.062+/-0.029 χ^2/NDF:27.4/24

Right Out: -0.011+/-0.043 χ^2/NDF: 24.3/28

Left In: 0.019+/-0.029 χ^2/NDF:20.3/22

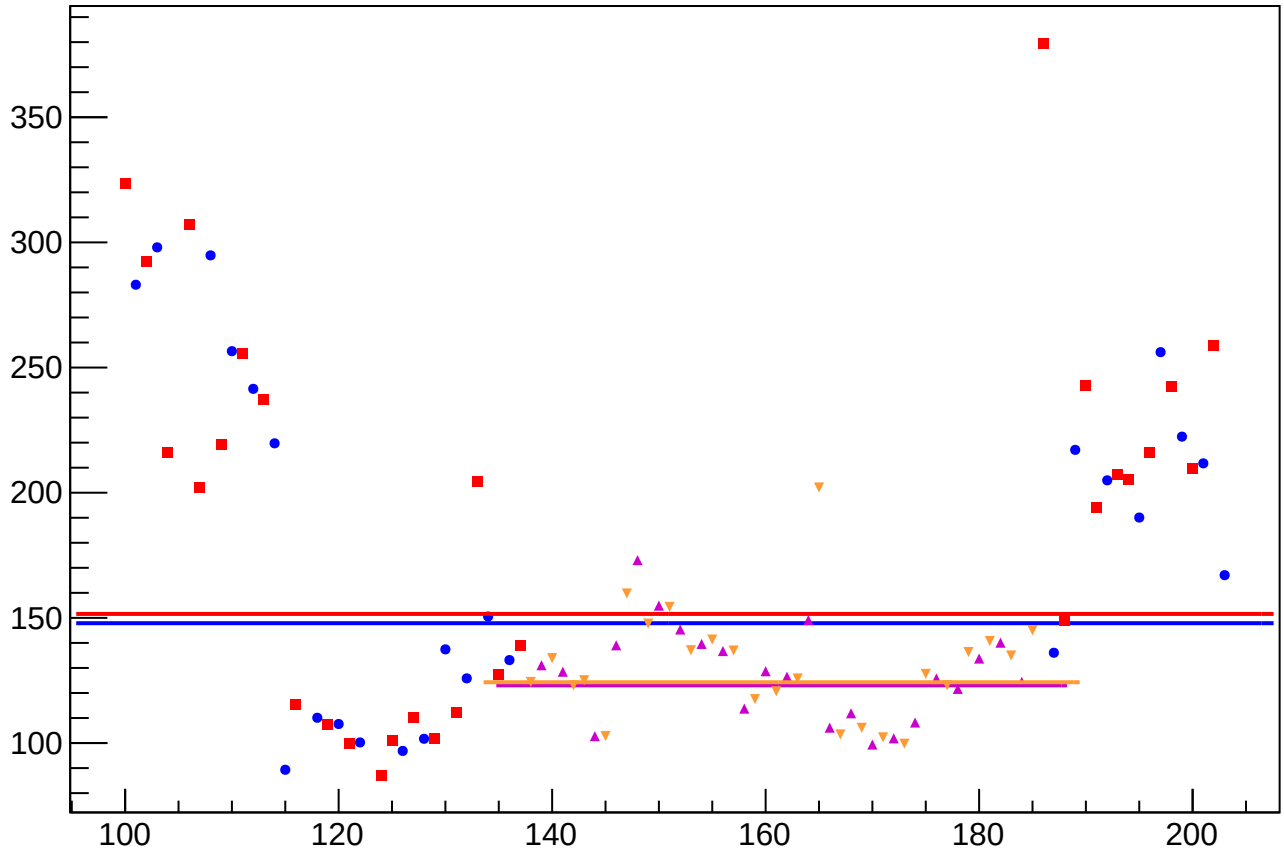
Left: 0.041+/-0.021 χ^2/NDF: 48.8/47

Right: -0.010+/-0.031 χ^2/NDF: 49.0/52

In: 0.010+/-0.024 χ^2/NDF:45.3/46

Out: 0.040+/-0.024 χ^2/NDF:53.7/53

All: 0.025+/-0.017 χ^2/NDF: 99.8/100



Right In: 147.874+/-0.031 χ^2/NDF: 3086708.1/23

Left Out: 124.292+/-0.020 χ^2/NDF:841035.9/24

Right Out: 151.585+/-0.031 χ^2/NDF: 3679268.2/28

Left In: 123.062+/-0.021 χ^2/NDF:718844.3/22

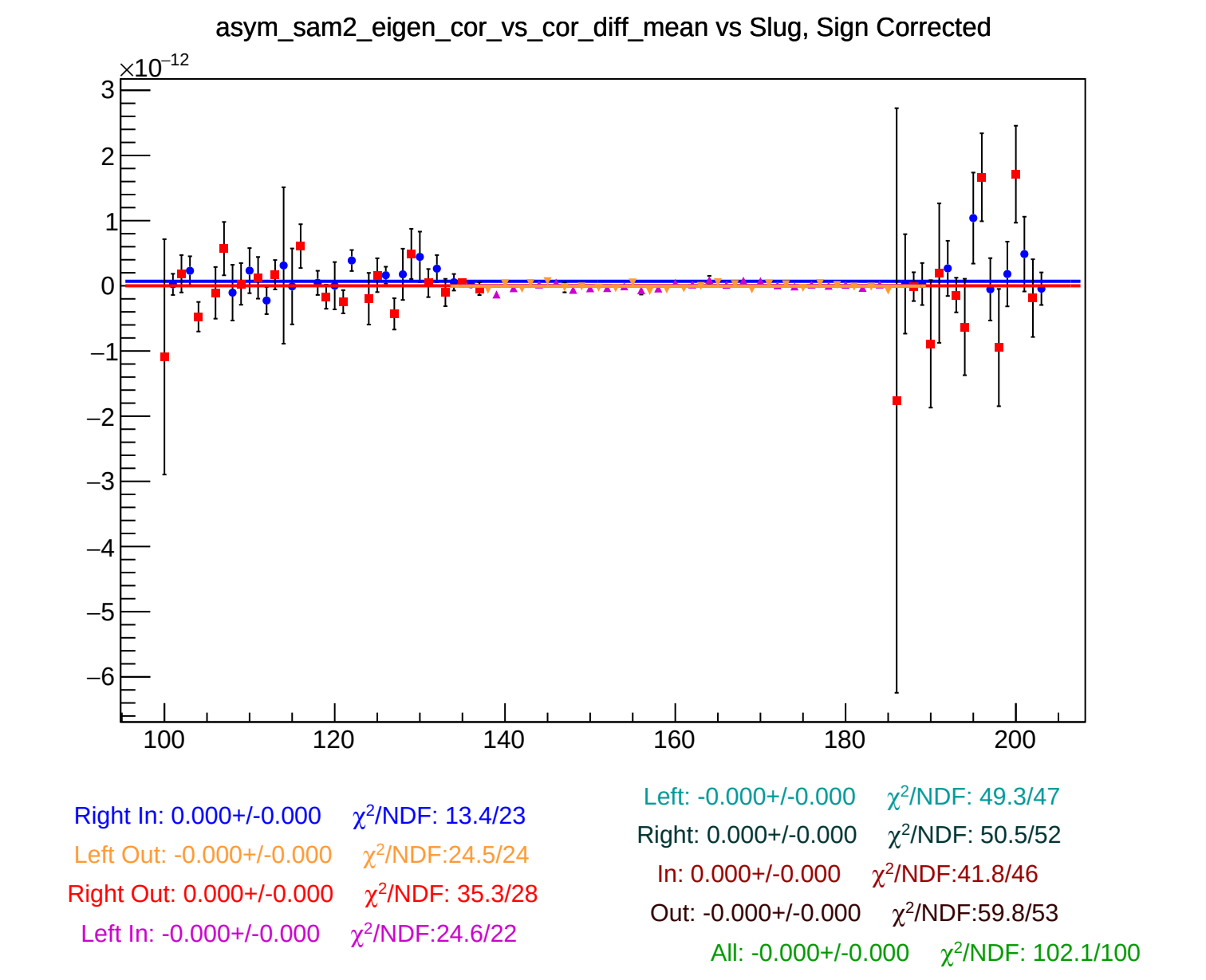
Left: 123.690+/-0.015 χ^2/NDF: 1561677.7/47

Right: 149.765+/-0.022 χ^2/NDF: 6773196.3/52

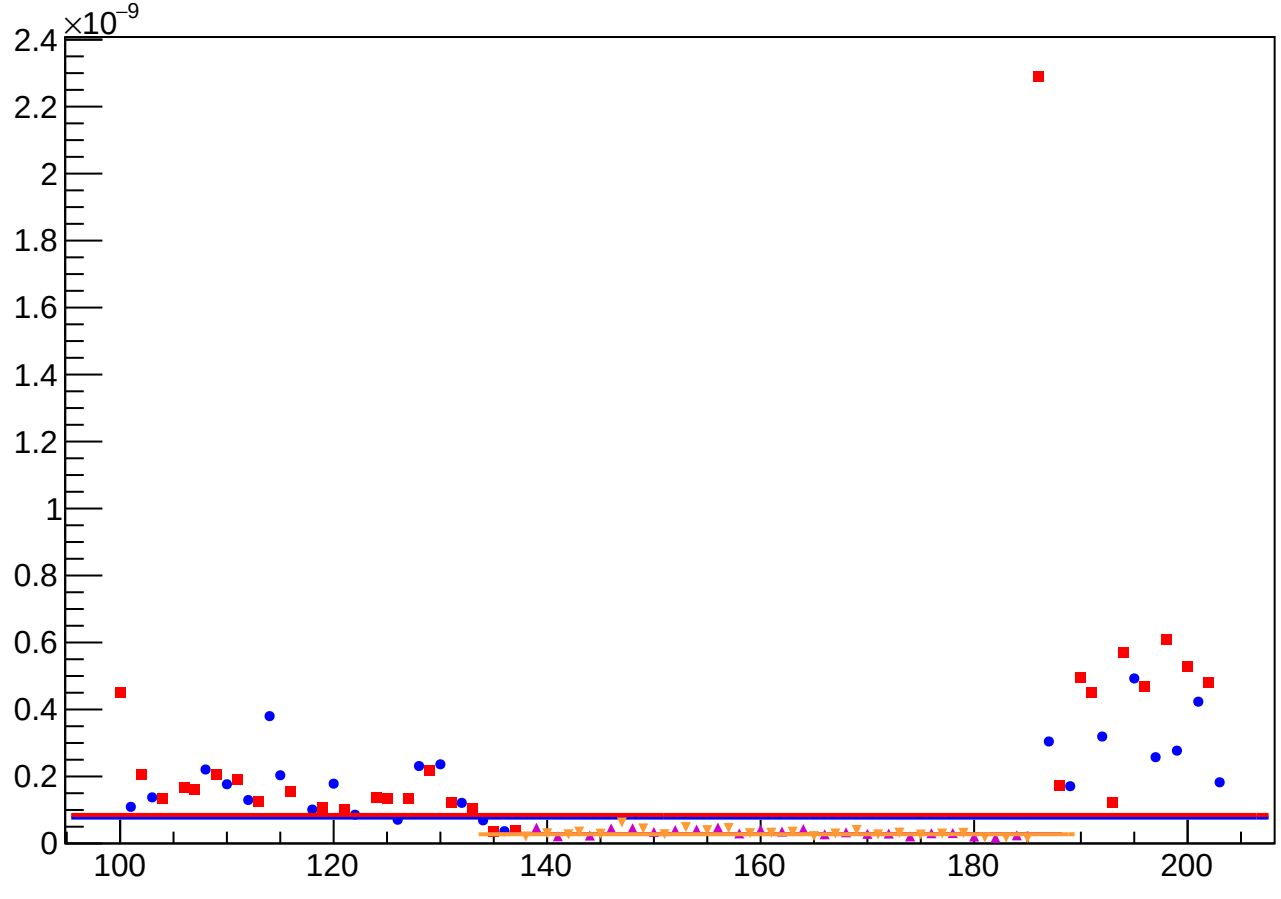
In: 130.675+/-0.017 χ^2/NDF:4244726.5/46

Out: 132.630+/-0.017 χ^2/NDF:5073590.6/53

All: 131.673+/-0.012 χ^2/NDF: 9324864.5/100


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: 13.4/23
Left Out: -0.000+/-0.000 χ²/NDF:24.5/24
Right Out: 0.000+/-0.000 χ²/NDF: 35.3/28
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: 50.5/52
In: 0.000+/-0.000 χ²/NDF:41.8/46
Out: -0.000+/-0.000 χ²/NDF:59.8/53
All: -0.000+/-0.000 χ²/NDF: 102.1/100

asym_sam2_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 6740162.8/23

Left Out: 0.000+/-0.000 χ^2/NDF:2403081.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 9016268.6/28

Left In: 0.000+/-0.000 χ^2/NDF:2191521.5/22

Left: 0.000+/-0.000 χ^2/NDF: 4602499.0/47

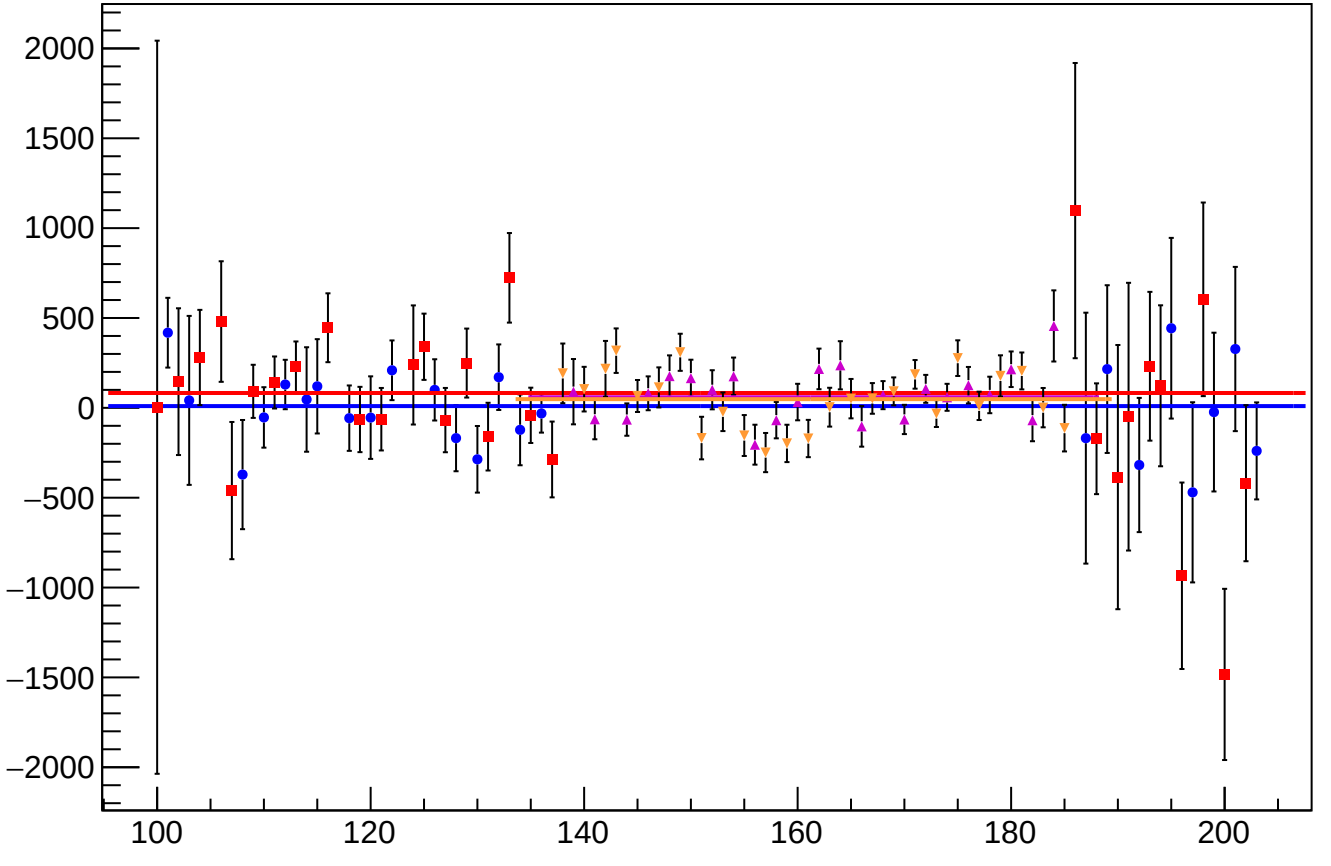
Right: 0.000+/-0.000 χ^2/NDF: 15804337.7/52

In: 0.000+/-0.000 χ^2/NDF:12622221.5/46

Out: 0.000+/-0.000 χ^2/NDF:15829049.5/53

All: 0.000+/-0.000 χ^2/NDF: 28465216.0/100

reg_asym_sam3_mean vs Slug, Sign Corrected



Right In: 9.759+/-43.680 χ^2/NDF: 17.9/23

Left Out: 48.392+/-20.423 χ^2/NDF:53.6/24

Right Out: 82.643+/-43.871 χ^2/NDF: 45.5/28

Left In: 59.014+/-21.156 χ^2/NDF:30.6/22

Left: 53.516+/-14.694 χ^2/NDF: 84.3/47

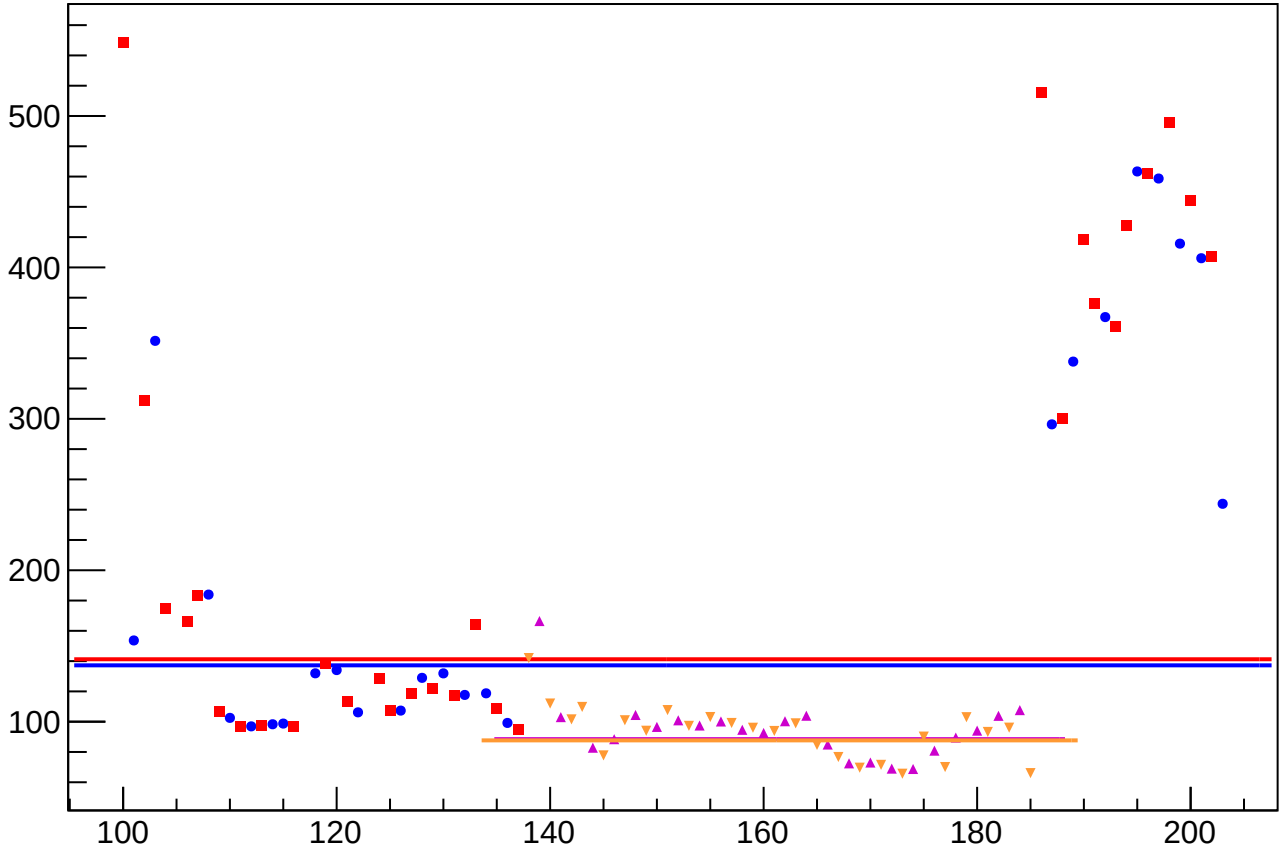
Right: 46.042+/-30.954 χ^2/NDF: 64.8/52

In: 49.655+/-19.040 χ^2/NDF:49.6/46

Out: 54.493+/-18.515 χ^2/NDF:99.6/53

All: 52.141+/-13.274 χ^2/NDF: 149.2/100

reg_asym_sam3_rms vs Slug, Sign Corrected



Right In: 137.212+/-0.031 χ^2/NDF: 5943513.6/23

Left Out: 87.656+/-0.014 χ^2/NDF:1213284.3/24

Right Out: 141.224+/-0.031 χ^2/NDF: 7502283.7/28

Left In: 88.482+/-0.015 χ^2/NDF:1075689.1/22

Left: 88.055+/-0.010 χ^2/NDF: 2290553.6/47

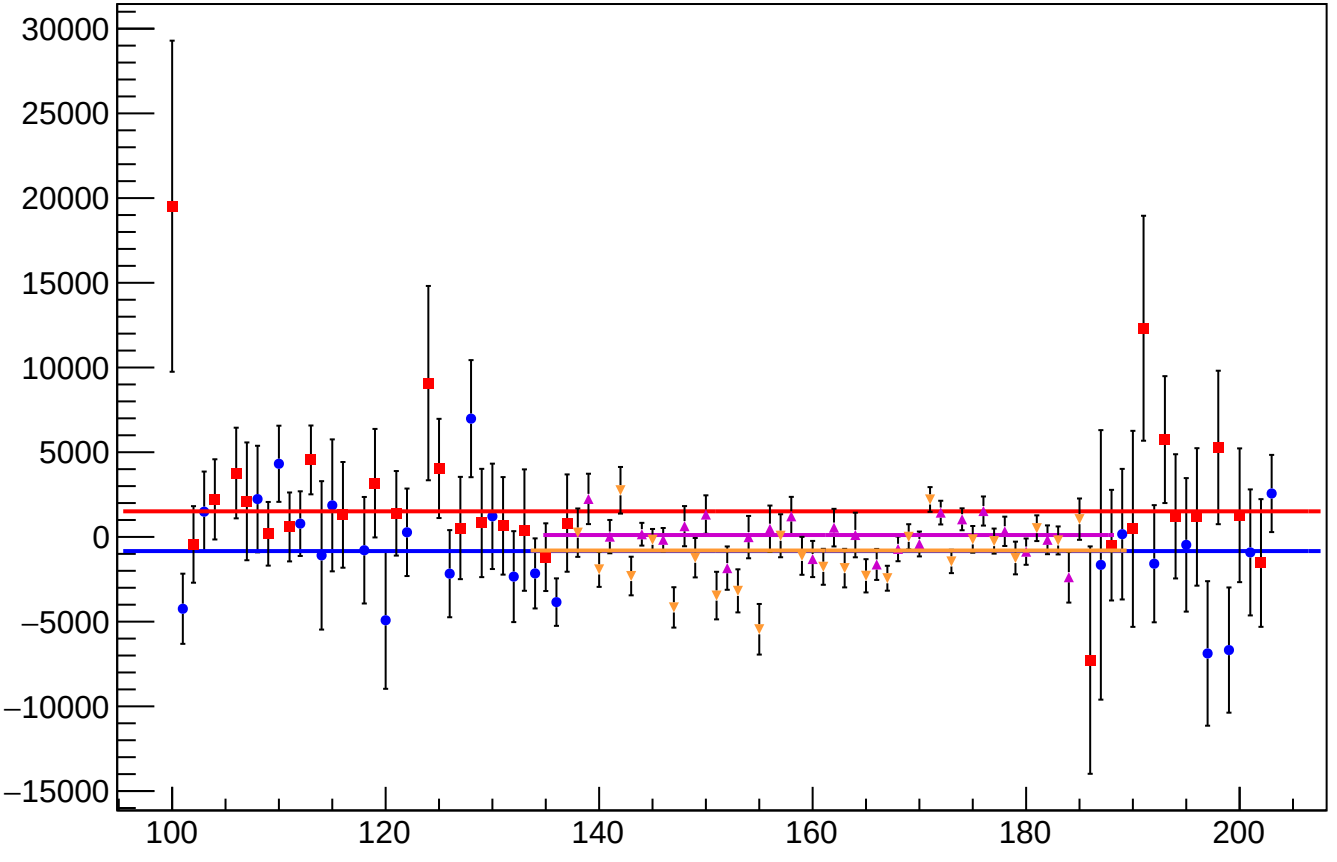
Right: 139.209+/-0.022 χ^2/NDF: 13454194.6/52

In: 97.742+/-0.013 χ^2/NDF:9035386.4/46

Out: 97.197+/-0.013 χ^2/NDF:11166259.7/53

All: 97.462+/-0.009 χ^2/NDF: 20202487.9/100

asym_sam3_reg_correction_mean vs Slug, Sign Corrected



Right In: -835.167+/-553.884 χ^2/NDF: 30.3/23

Left Out: -801.506+/-187.755 χ^2/NDF:71.9/24

Right Out: 1511.130+/-557.386 χ^2/NDF: 20.3/28

Left In: 112.483+/-190.269 χ^2/NDF:27.1/22

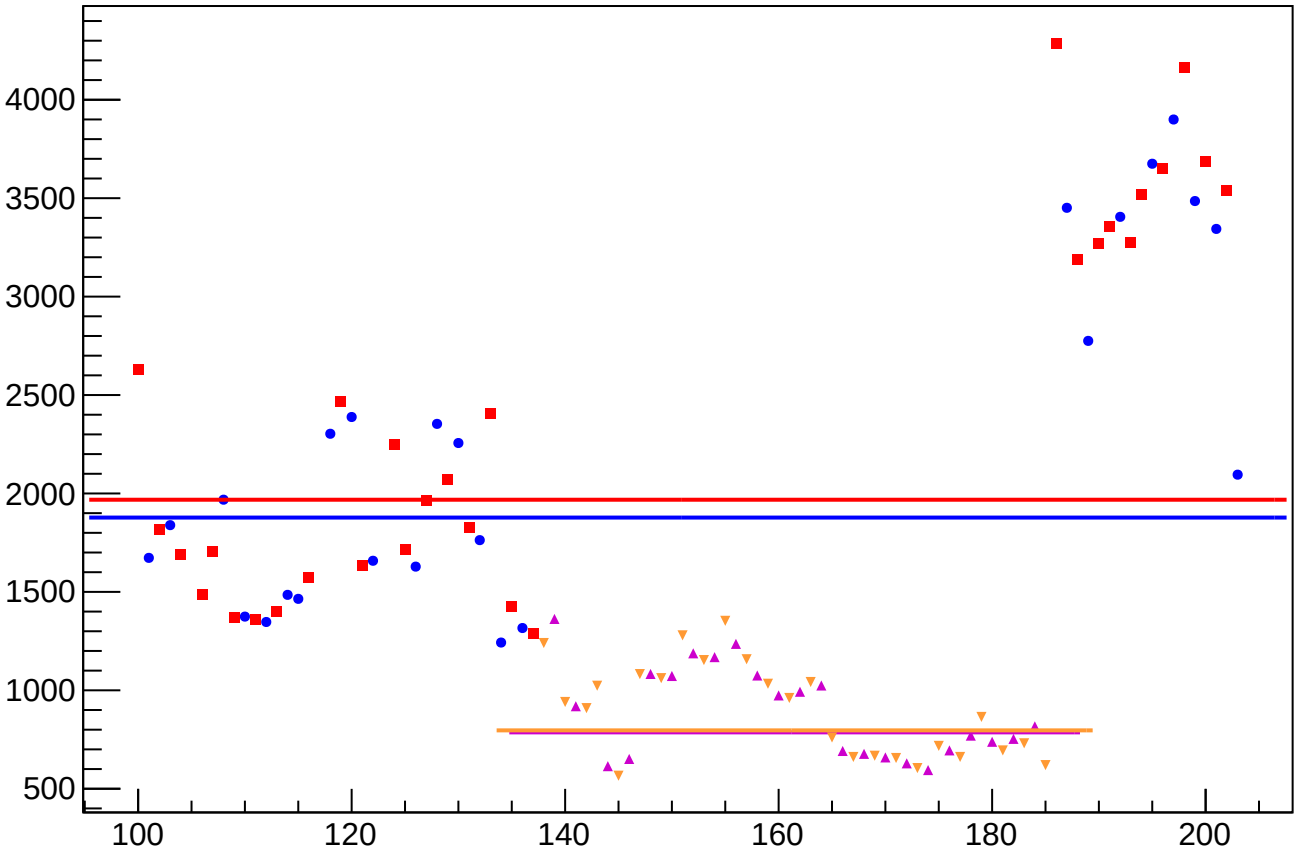
Left: -350.590+/-133.643 χ^2/NDF: 110.6/47

Right: 330.587+/-392.887 χ^2/NDF: 59.5/52

In: 12.459+/-179.948 χ^2/NDF:60.0/46

Out: -565.838+/-177.932 χ^2/NDF:107.7/53

All: -279.948+/-126.524 χ^2/NDF: 172.9/100



Right In: 1877.565+/-0.392 χ^2/NDF: 3147573.4/23

Left Out: 796.524+/-0.133 χ^2/NDF:2417872.0/24

Right Out: 1968.171+/-0.394 χ^2/NDF: 3944318.6/28

Left In: 786.336+/-0.135 χ^2/NDF:2156583.9/22

Left: 791.497+/-0.094 χ^2/NDF: 4577361.0/47

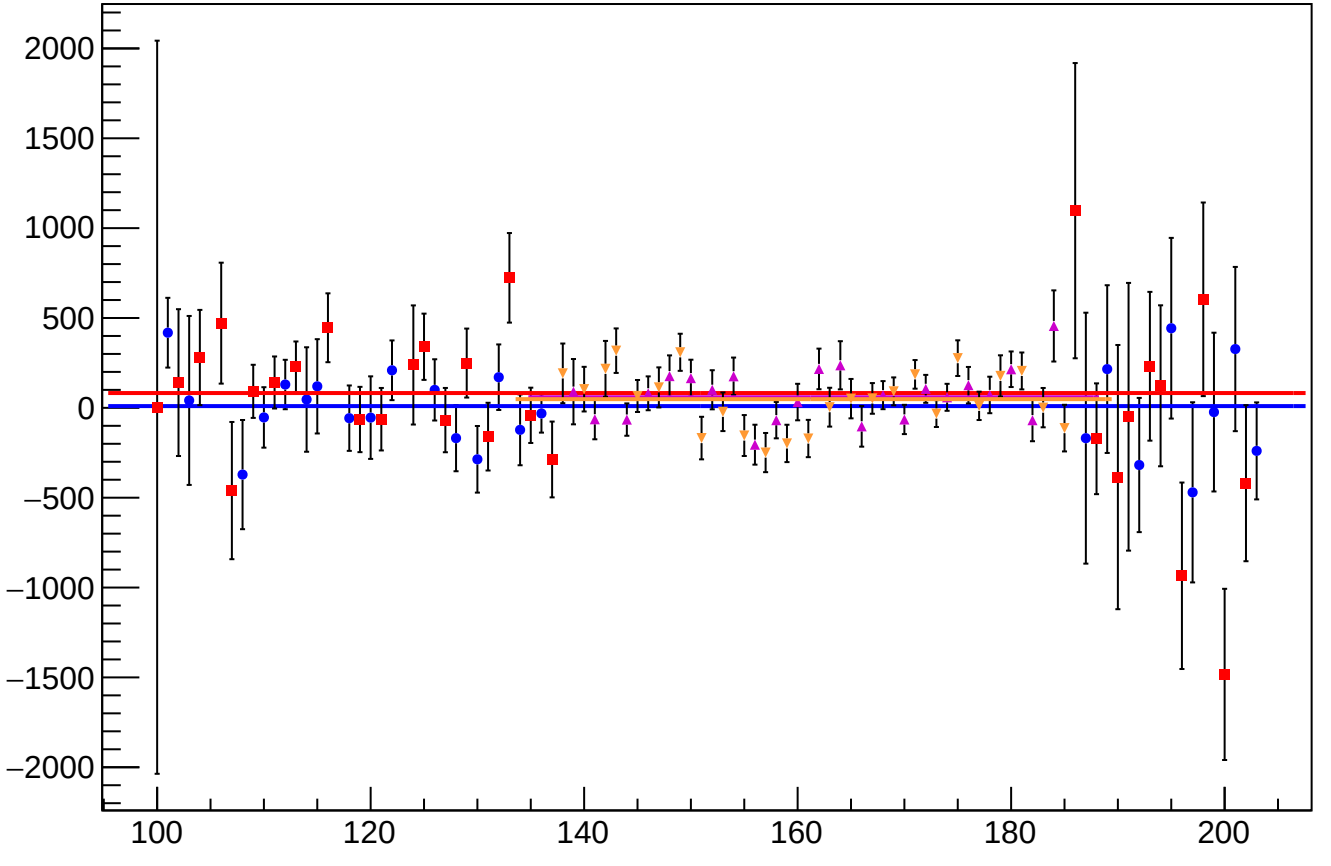
Right: 1922.582+/-0.278 χ^2/NDF: 7118483.1/52

In: 901.515+/-0.127 χ^2/NDF:12247698.1/46

Out: 915.920+/-0.126 χ^2/NDF:14298784.9/53

All: 908.798+/-0.089 χ^2/NDF: 26552963.7/10

cor_asym_sam3_mean vs Slug, Sign Corrected



Right In: 9.747+/-43.680 χ^2/NDF: 17.9/23

Left Out: 48.399+/-20.423 χ^2/NDF:53.6/24

Right Out: 82.379+/-43.874 χ^2/NDF: 45.4/28

Left In: 59.016+/-21.156 χ^2/NDF:30.6/22

Left: 53.521+/-14.694 χ^2/NDF: 84.3/47

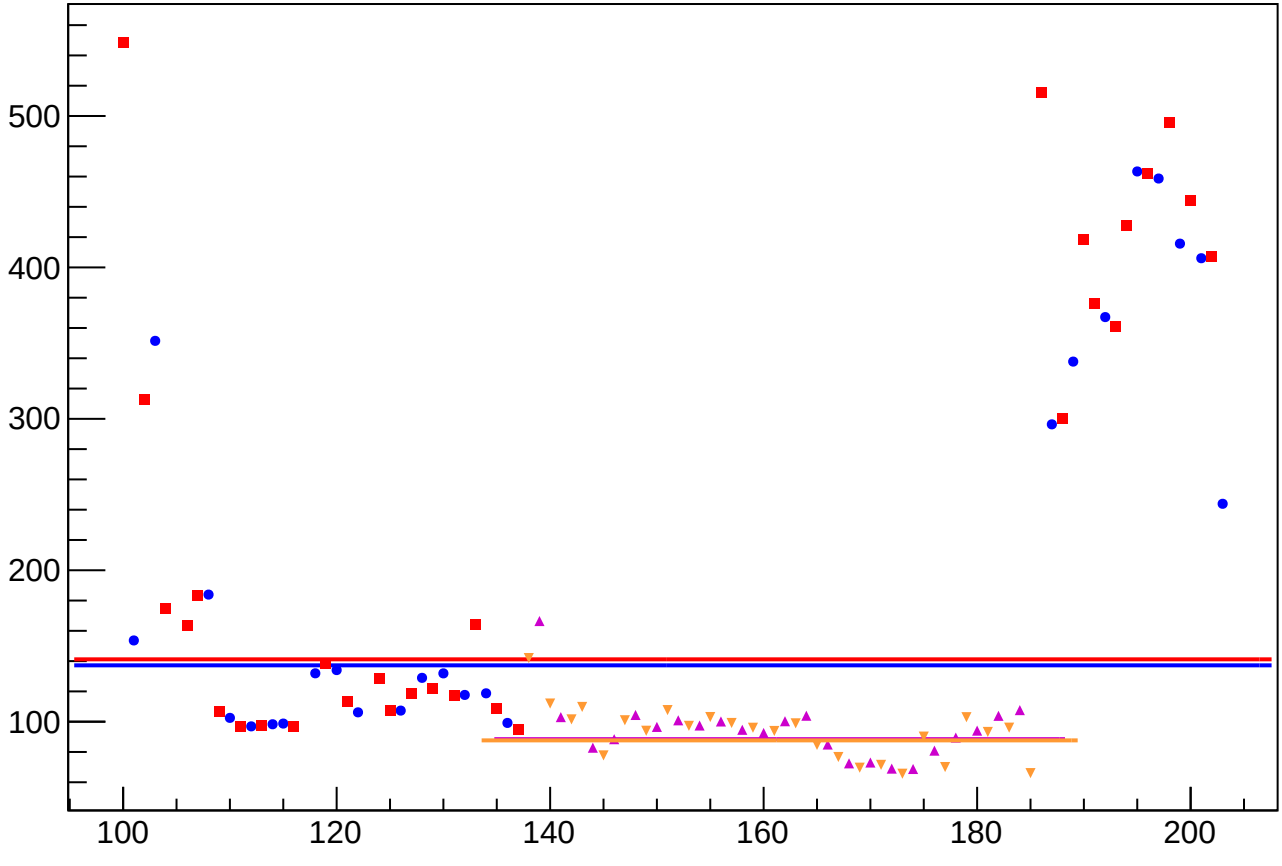
Right: 45.902+/-30.955 χ^2/NDF: 64.7/52

In: 49.655+/-19.040 χ^2/NDF:49.6/46

Out: 54.451+/-18.515 χ^2/NDF:99.5/53

All: 52.120+/-13.274 χ^2/NDF: 149.1/100

cor_asym_sam3_rms vs Slug, Sign Corrected



Right In: 137.212+/-0.031 χ^2/NDF: 5943516.0/23

Left Out: 87.656+/-0.014 χ^2/NDF:1213284.3/24

Right Out: 141.179+/-0.031 χ^2/NDF: 7500308.1/28

Left In: 88.482+/-0.015 χ^2/NDF:1075689.1/22

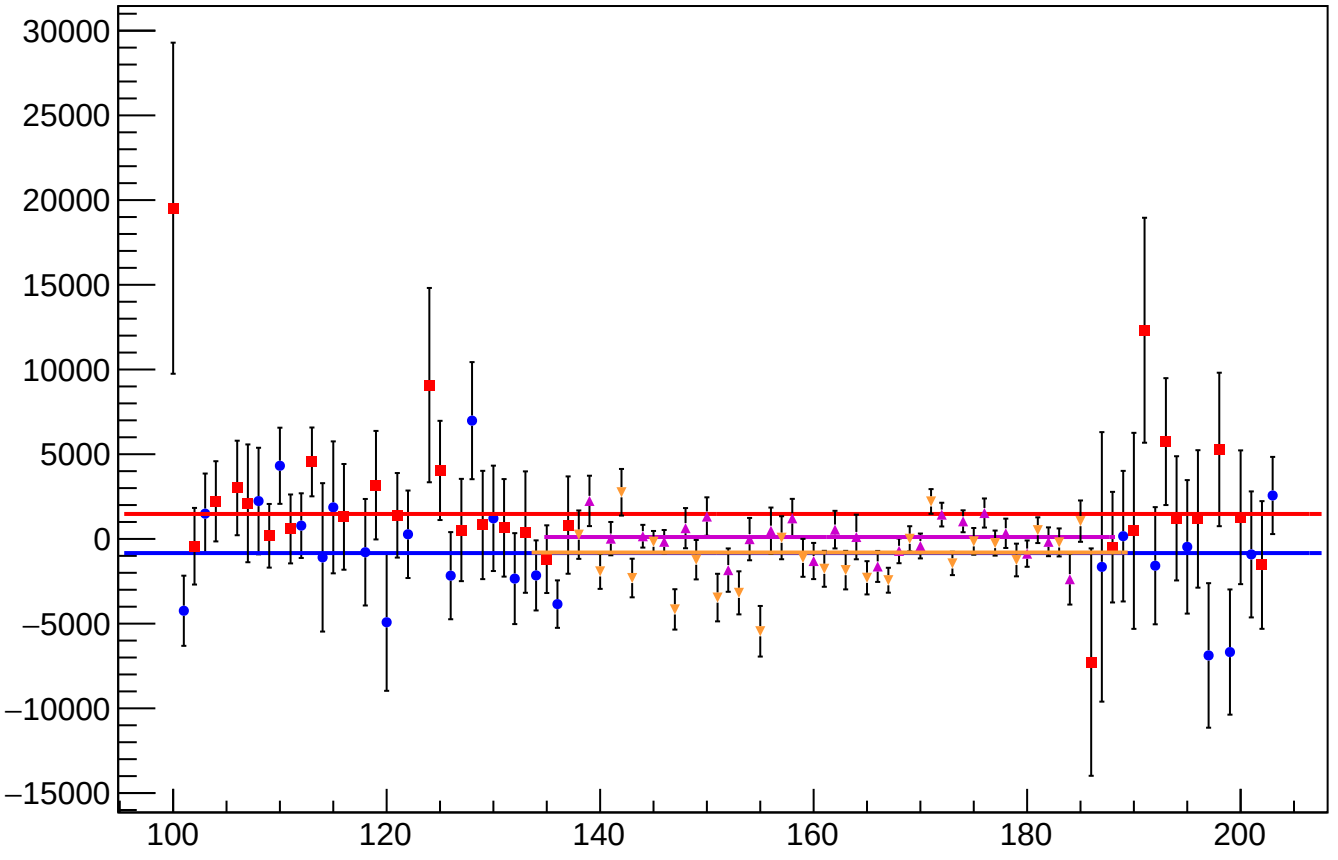
Left: 88.055+/-0.010 χ^2/NDF: 2290553.6/47

Right: 139.187+/-0.022 χ^2/NDF: 13452034.9/52

In: 97.742+/-0.013 χ^2/NDF:9035388.1/46

Out: 97.188+/-0.013 χ^2/NDF:11159955.5/53

All: 97.457+/-0.009 χ^2/NDF: 20196213.1/100



Right In: -835.152+/-553.887 χ^2/NDF: 30.3/23

Left Out: -801.499+/-187.755 χ^2/NDF:71.9/24

Right Out: 1473.645+/-558.397 χ^2/NDF: 19.9/28

Left In: 112.485+/-190.269 χ^2/NDF:27.1/22

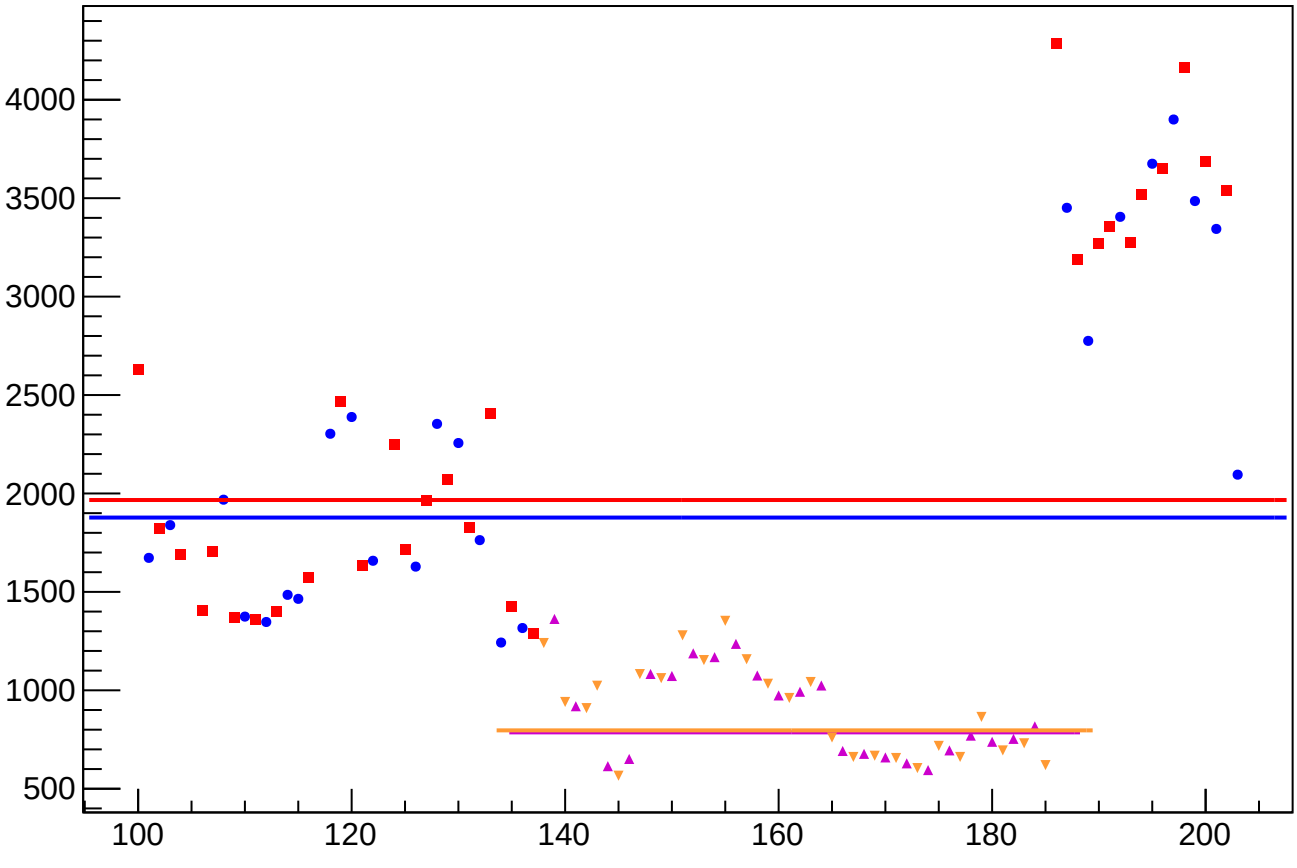
Left: -350.586+/-133.643 χ^2/NDF: 110.6/47

Right: 309.885+/-393.242 χ^2/NDF: 58.8/52

In: 12.463+/-179.948 χ^2/NDF:60.0/46

Out: -570.404+/-177.964 χ^2/NDF:106.7/53

All: -282.201+/-126.535 χ^2/NDF: 172.0/100



Right In: 1877.575+/-0.392 χ^2/NDF: 3147572.0/23

Left Out: 796.523+/-0.133 χ^2/NDF:2417869.7/24

Right Out: 1966.726+/-0.395 χ^2/NDF: 3960601.9/28

Left In: 786.336+/-0.135 χ^2/NDF:2156582.1/22

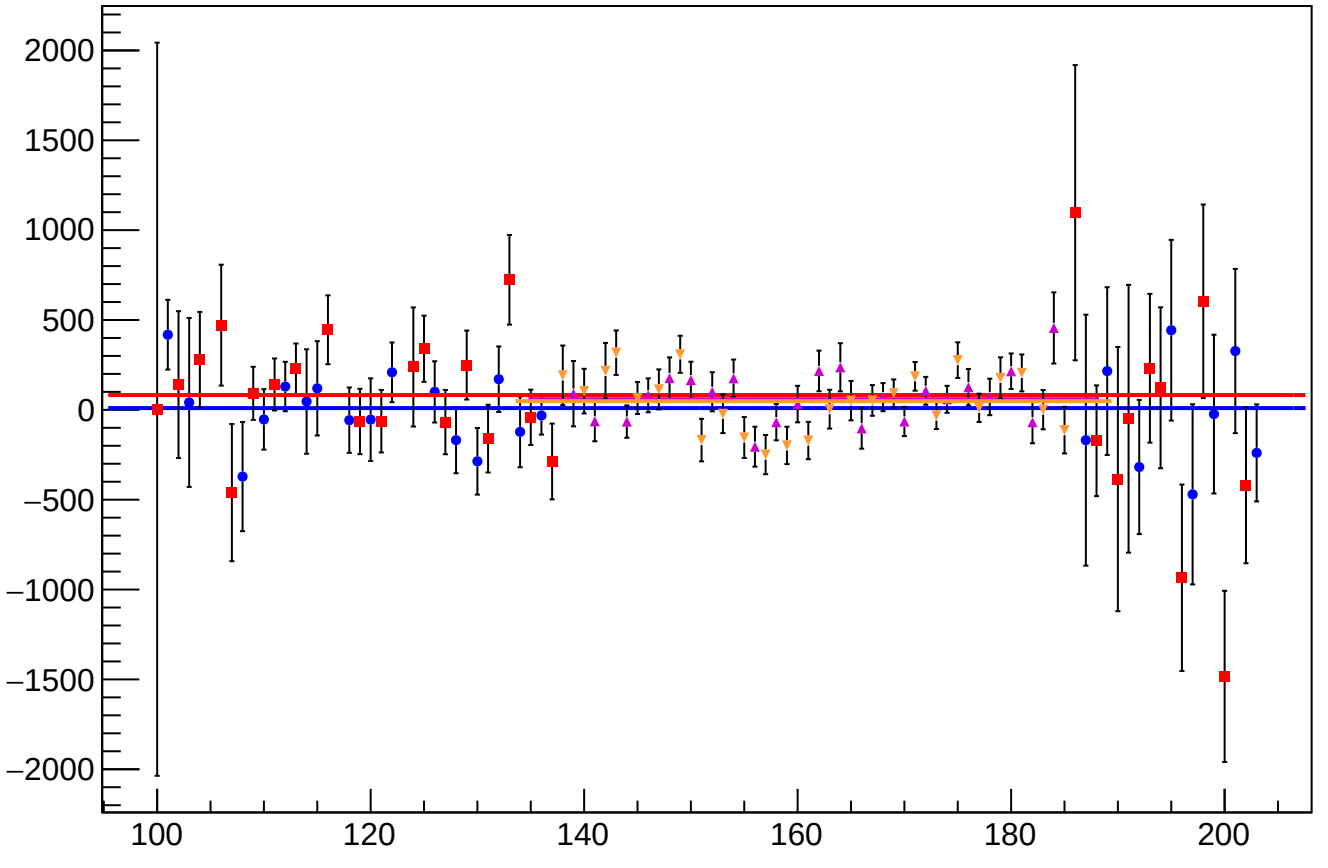
Left: 791.497+/-0.094 χ^2/NDF: 4577356.9/47

Right: 1921.789+/-0.278 χ^2/NDF: 7133870.5/52

In: 901.515+/-0.127 χ^2/NDF:12247755.3/46

Out: 915.385+/-0.126 χ^2/NDF:14269779.0/53

All: 908.527+/-0.089 χ^2/NDF: 26523541.5/10



Right In: 9.747+/-43.680 χ^2/NDF: 17.9/23

Left Out: 48.399+/-20.423 χ^2/NDF:53.6/24

Right Out: 82.379+/-43.874 χ^2/NDF: 45.4/28

Left In: 59.016+/-21.156 χ^2/NDF:30.6/22

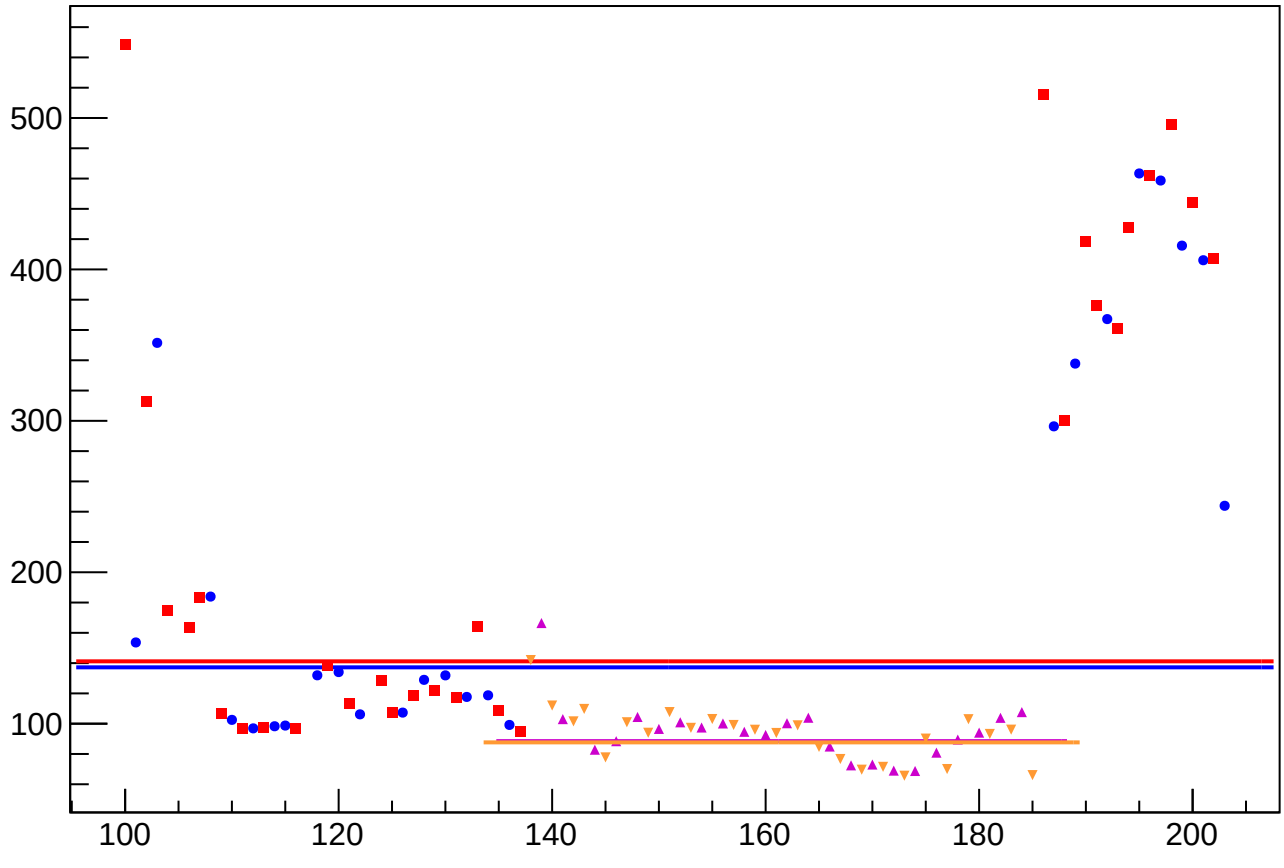
Left: 53.521+/-14.694 χ^2/NDF: 84.3/47

Right: 45.902+/-30.955 χ^2/NDF: 64.7/52

In: 49.655+/-19.040 χ^2/NDF:49.6/46

Out: 54.451+/-18.515 χ^2/NDF:99.5/53

All: 52.120+/-13.274 χ^2/NDF: 149.1/100



Right In: 137.212+/-0.031 χ^2/NDF: 5943516.0/23

Left Out: 87.656+/-0.014 χ^2/NDF:1213284.3/24

Right Out: 141.179+/-0.031 χ^2/NDF: 7500308.1/28

Left In: 88.482+/-0.015 χ^2/NDF:1075689.1/22

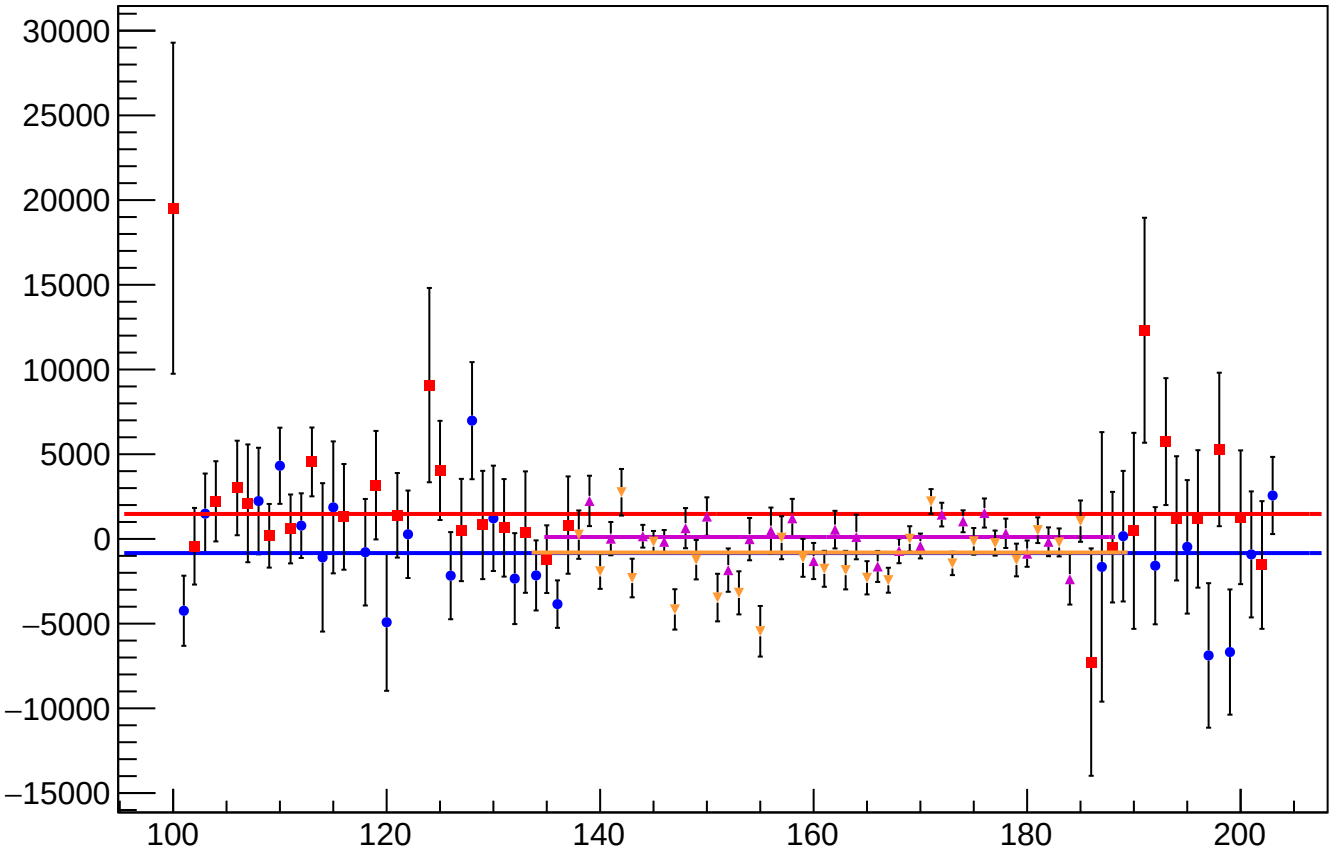
Left: 88.055+/-0.010 χ^2/NDF: 2290553.6/47

Right: 139.187+/-0.022 χ^2/NDF: 13452034.9/52

In: 97.742+/-0.013 χ^2/NDF:9035388.1/46

Out: 97.188+/-0.013 χ^2/NDF:11159955.5/53

All: 97.457+/-0.009 χ^2/NDF: 20196213.1/100



Right In: -835.152+/-553.887 χ^2/NDF: 30.3/23

Left Out: -801.499+/-187.755 χ^2/NDF:71.9/24

Right Out: 1473.645+/-558.397 χ^2/NDF: 19.9/28

Left In: 112.485+/-190.269 χ^2/NDF:27.1/22

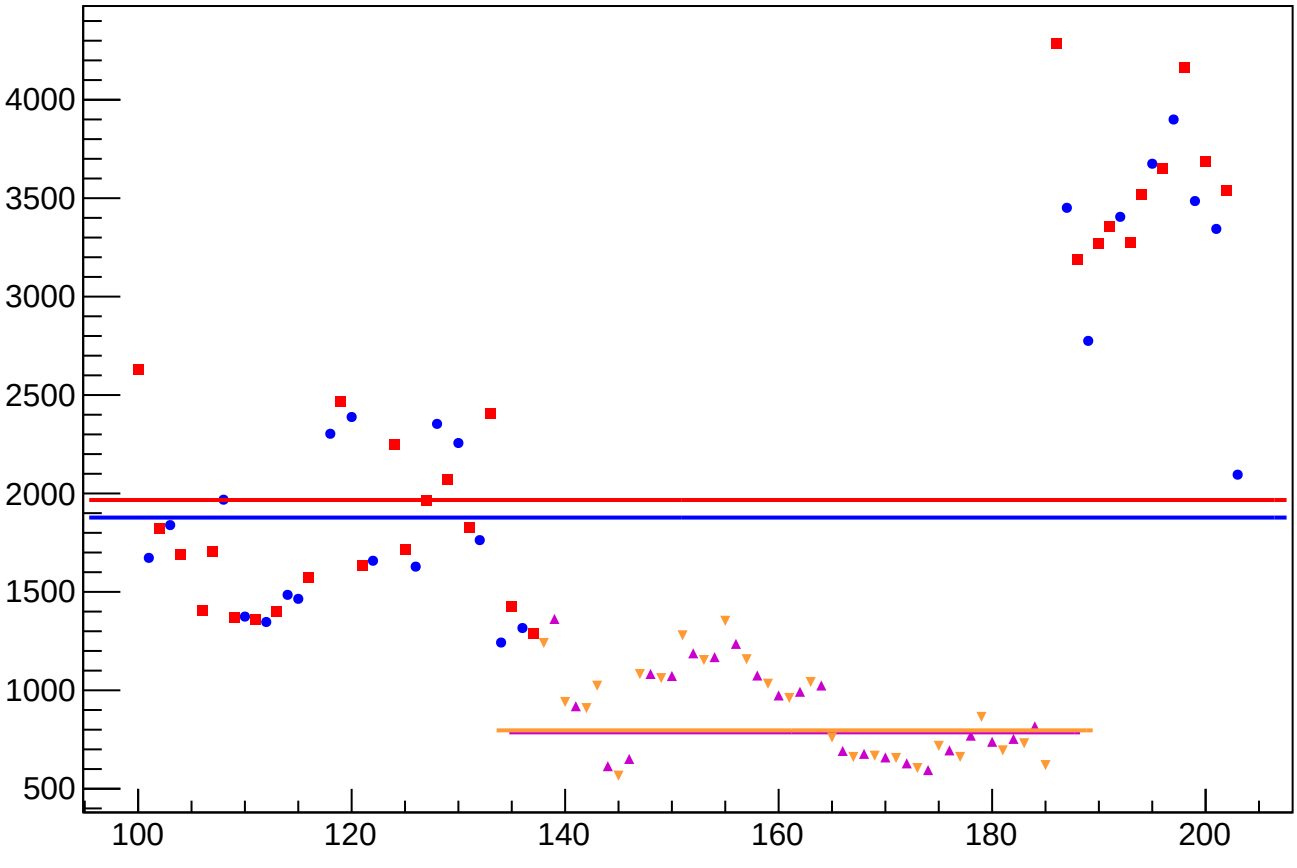
Left: -350.586+/-133.643 χ^2/NDF: 110.6/47

Right: 309.885+/-393.242 χ^2/NDF: 58.8/52

In: 12.463+/-179.948 χ^2/NDF:60.0/46

Out: -570.404+/-177.964 χ^2/NDF:106.7/53

All: -282.201+/-126.535 χ^2/NDF: 172.0/100



Right In: 1877.575+/-0.392 χ^2/NDF: 3147572.0/23

Left Out: 796.523+/-0.133 χ^2/NDF:2417869.7/24

Right Out: 1966.726+/-0.395 χ^2/NDF: 3960601.9/28

Left In: 786.336+/-0.135 χ^2/NDF:2156582.1/22

Left: 791.497+/-0.094 χ^2/NDF: 4577356.9/47

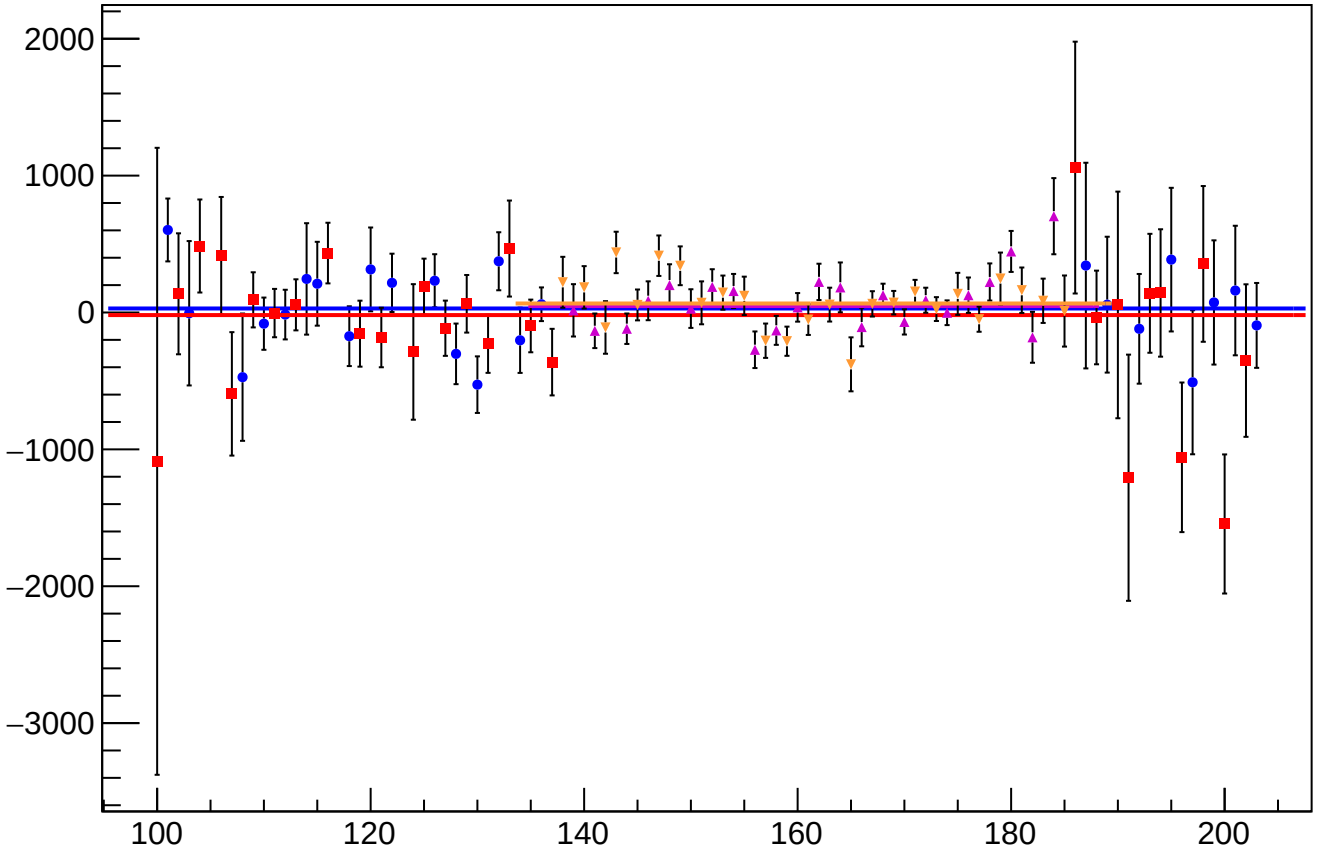
Right: 1921.789+/-0.278 χ^2/NDF: 7133870.5/52

In: 901.515+/-0.127 χ^2/NDF:12247755.3/46

Out: 915.385+/-0.126 χ^2/NDF:14269779.0/53

All: 908.527+/-0.089 χ^2/NDF: 26523541.5/10

dit_asym_sam3_mean vs Slug, Sign Corrected



Right In: 29.268+/-51.937 χ^2/NDF: 27.3/23

Left Out: 65.702+/-25.059 χ^2/NDF:40.0/24

Right Out: -18.916+/-53.170 χ^2/NDF: 34.3/28

Left In: 47.039+/-25.696 χ^2/NDF:38.6/22

Left: 56.605+/-17.941 χ^2/NDF: 78.9/47

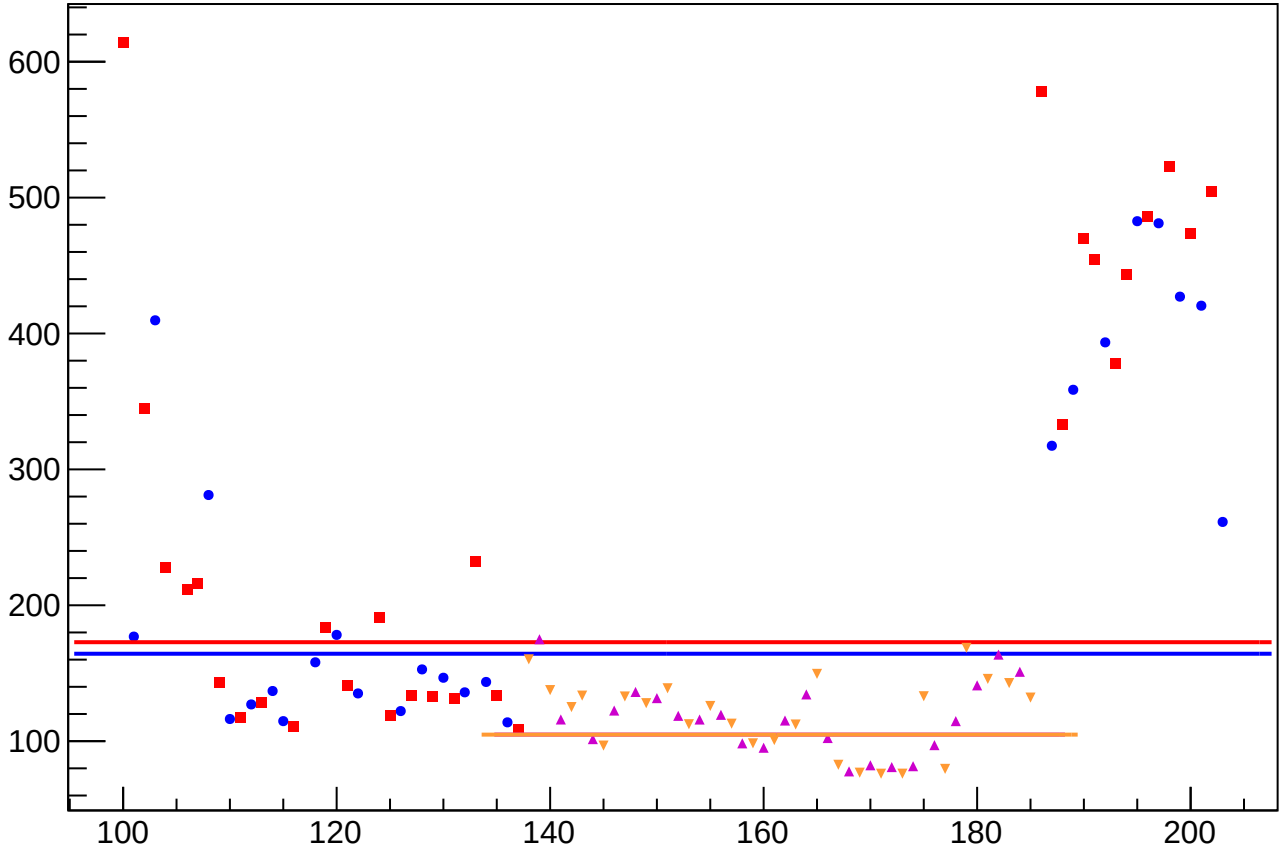
Right: 5.741+/-37.154 χ^2/NDF: 62.0/52

In: 43.544+/-23.031 χ^2/NDF:66.0/46

Out: 50.322+/-22.668 χ^2/NDF:76.4/53

All: 46.987+/-16.156 χ^2/NDF: 142.4/100

dit_asym_sam3_rms vs Slug, Sign Corrected



Right In: 164.336+/-0.037 χ^2/NDF: 5340343.7/23

Left Out: 104.810+/-0.018 χ^2/NDF:2242795.3/24

Right Out: 172.831+/-0.038 χ^2/NDF: 6891239.3/28

Left In: 104.835+/-0.018 χ^2/NDF:1614476.5/22

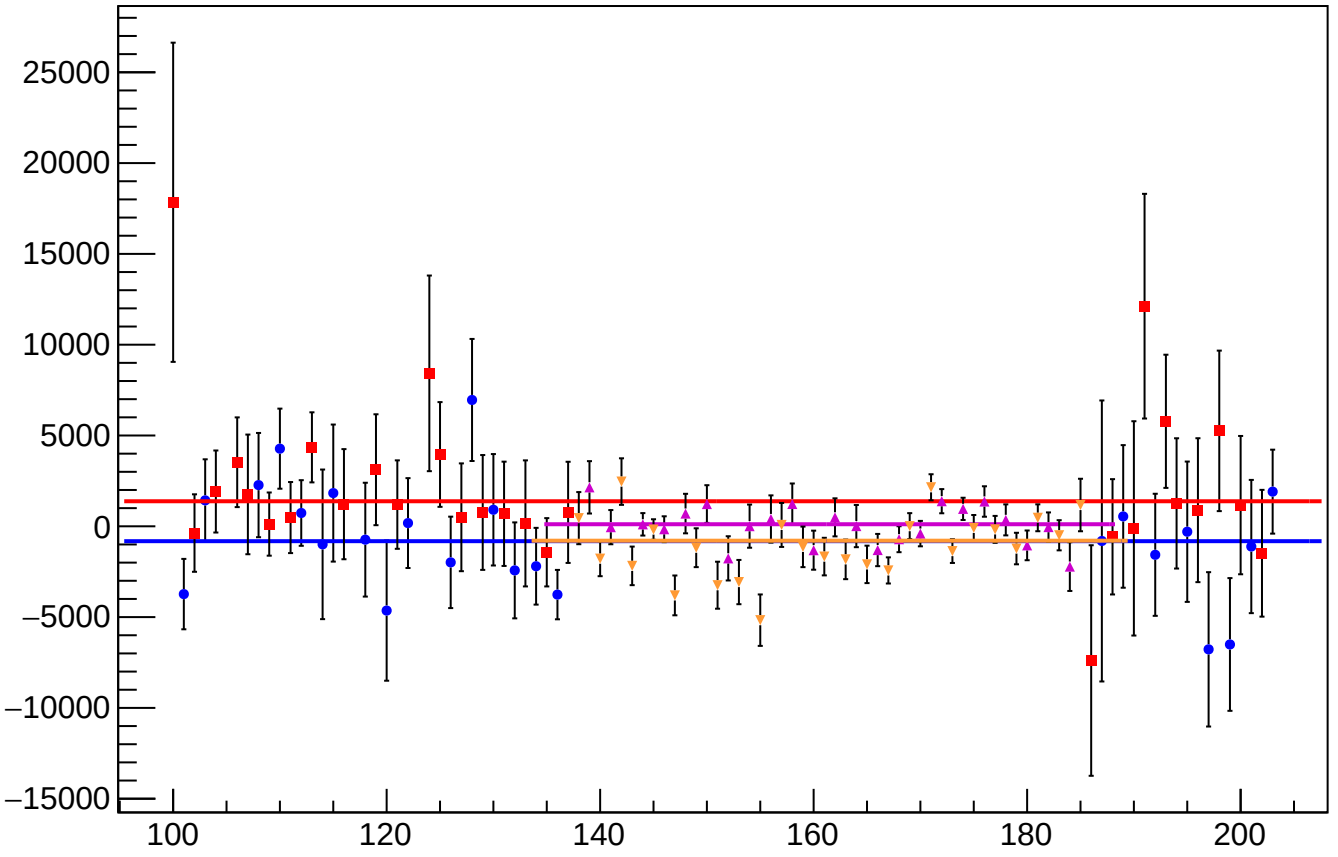
Left: 104.822+/-0.013 χ^2/NDF: 3857272.7/47

Right: 168.484+/-0.026 χ^2/NDF: 12257711.3/52

In: 116.535+/-0.016 χ^2/NDF:9063603.3/46

Out: 117.173+/-0.016 χ^2/NDF:11812371.8/53

All: 116.859+/-0.011 χ^2/NDF: 20876754.2/10



Right In: -819.223+/-538.713 χ^2/NDF: 29.5/23

Left Out: -793.070+/-179.897 χ^2/NDF:70.0/24

Right Out: 1379.019+/-533.689 χ^2/NDF: 21.8/28

Left In: 113.680+/-183.126 χ^2/NDF:26.3/22

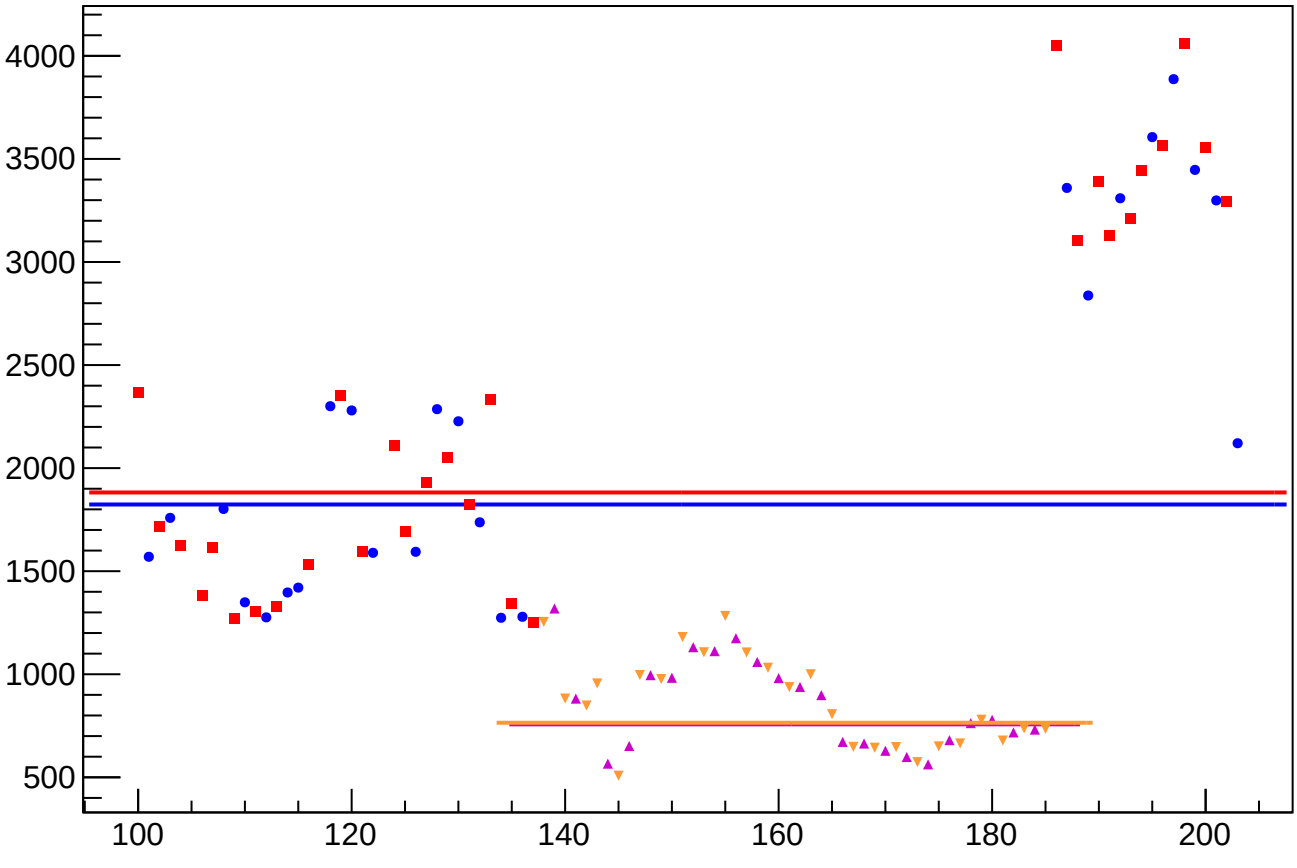
Left: -347.760+/-128.333 χ^2/NDF: 108.8/47

Right: 290.195+/-379.139 χ^2/NDF: 59.7/52

In: 17.046+/-173.382 χ^2/NDF:58.4/46

Out: -571.451+/-170.472 χ^2/NDF:106.7/53

All: -282.182+/-121.558 χ^2/NDF: 171.0/100



Right In: 1823.603+/-0.381 χ^2/NDF: 3247341.1/23

Left Out: 764.734+/-0.127 χ^2/NDF:2425556.5/24

Right Out: 1881.935+/-0.377 χ^2/NDF: 4090277.7/28

Left In: 756.927+/-0.129 χ^2/NDF:2115280.1/22

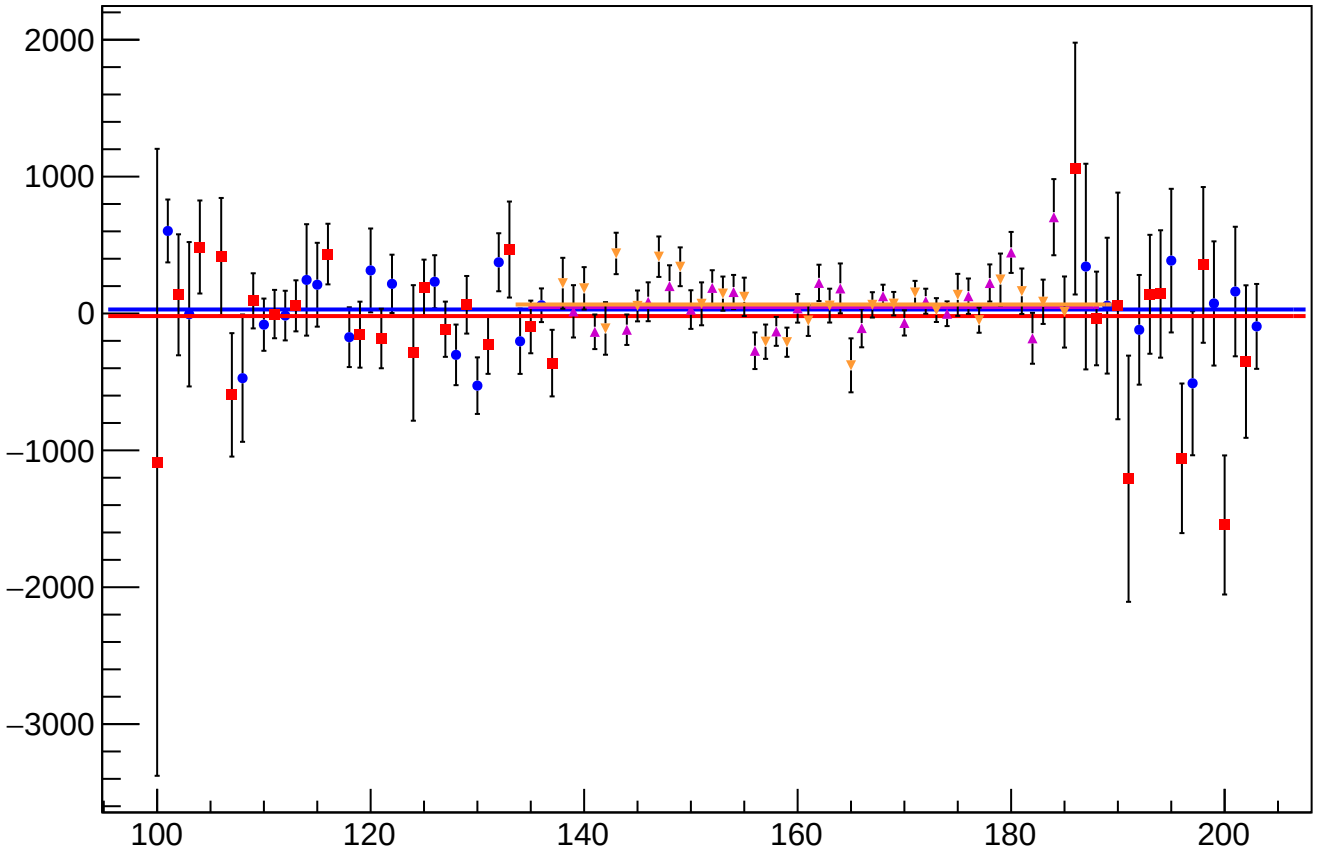
Left: 760.900+/-0.091 χ^2/NDF: 4542686.7/47

Right: 1853.042+/-0.268 χ^2/NDF: 7349453.3/52

In: 867.417+/-0.123 χ^2/NDF:12391576.5/46

Out: 878.723+/-0.121 χ^2/NDF:14385874.5/53

All: 873.166+/-0.086 χ^2/NDF: 26781774.6/10



Right In: 29.267+/-51.937 χ^2/NDF: 27.3/23

Left Out: 65.703+/-25.059 χ^2/NDF:40.0/24

Right Out: -18.919+/-53.171 χ^2/NDF: 34.3/28

Left In: 47.038+/-25.696 χ^2/NDF:38.6/22

Left: 56.604+/-17.941 χ^2/NDF: 78.9/47

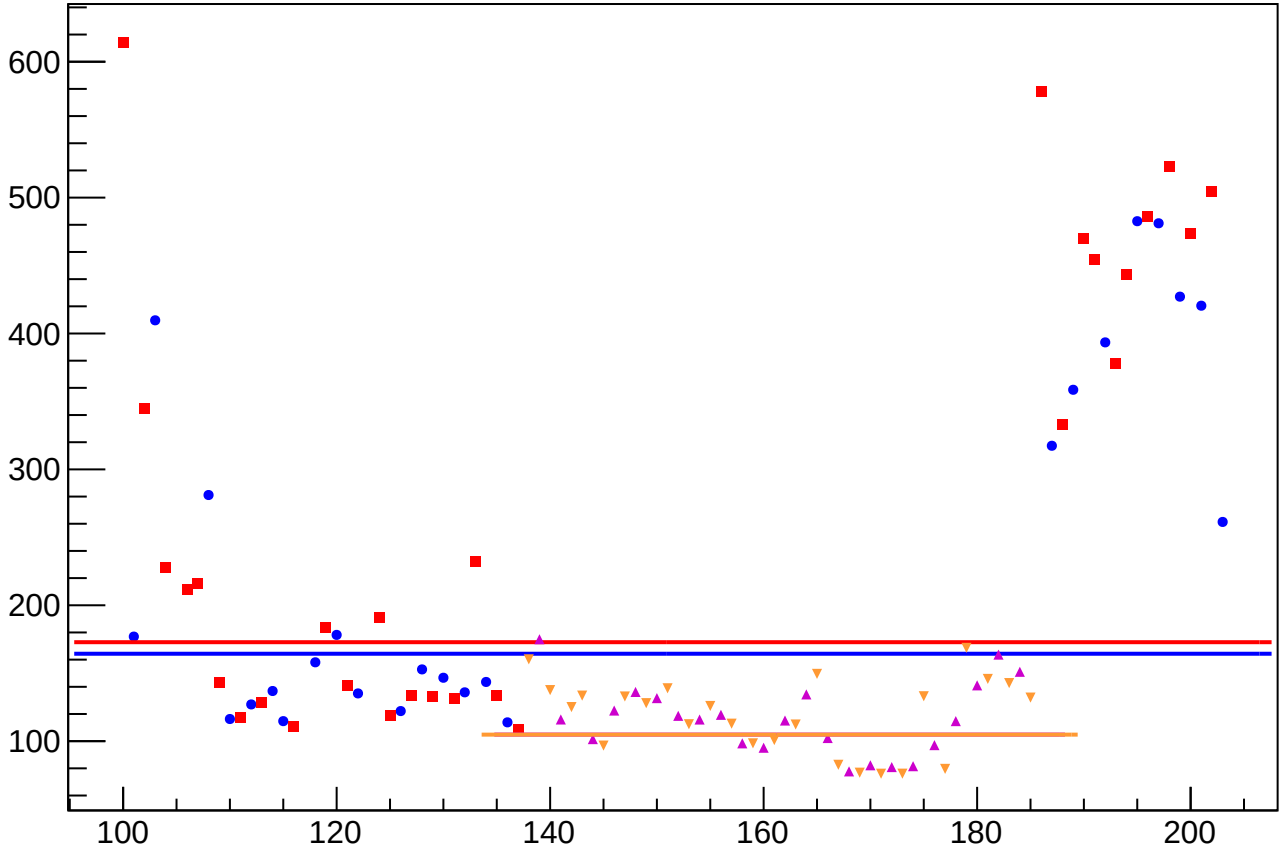
Right: 5.739+/-37.154 χ^2/NDF: 62.0/52

In: 43.543+/-23.032 χ^2/NDF:66.0/46

Out: 50.323+/-22.668 χ^2/NDF:76.4/53

All: 46.987+/-16.156 χ^2/NDF: 142.4/100

eigen_dit_asym_sam3_rms vs Slug, Sign Corrected



Right In: 164.336+/-0.037 χ^2/NDF: 5340338.8/23

Left Out: 104.810+/-0.018 χ^2/NDF:2242815.0/24

Right Out: 172.832+/-0.038 χ^2/NDF: 6891230.4/28

Left In: 104.835+/-0.018 χ^2/NDF:1614484.2/22

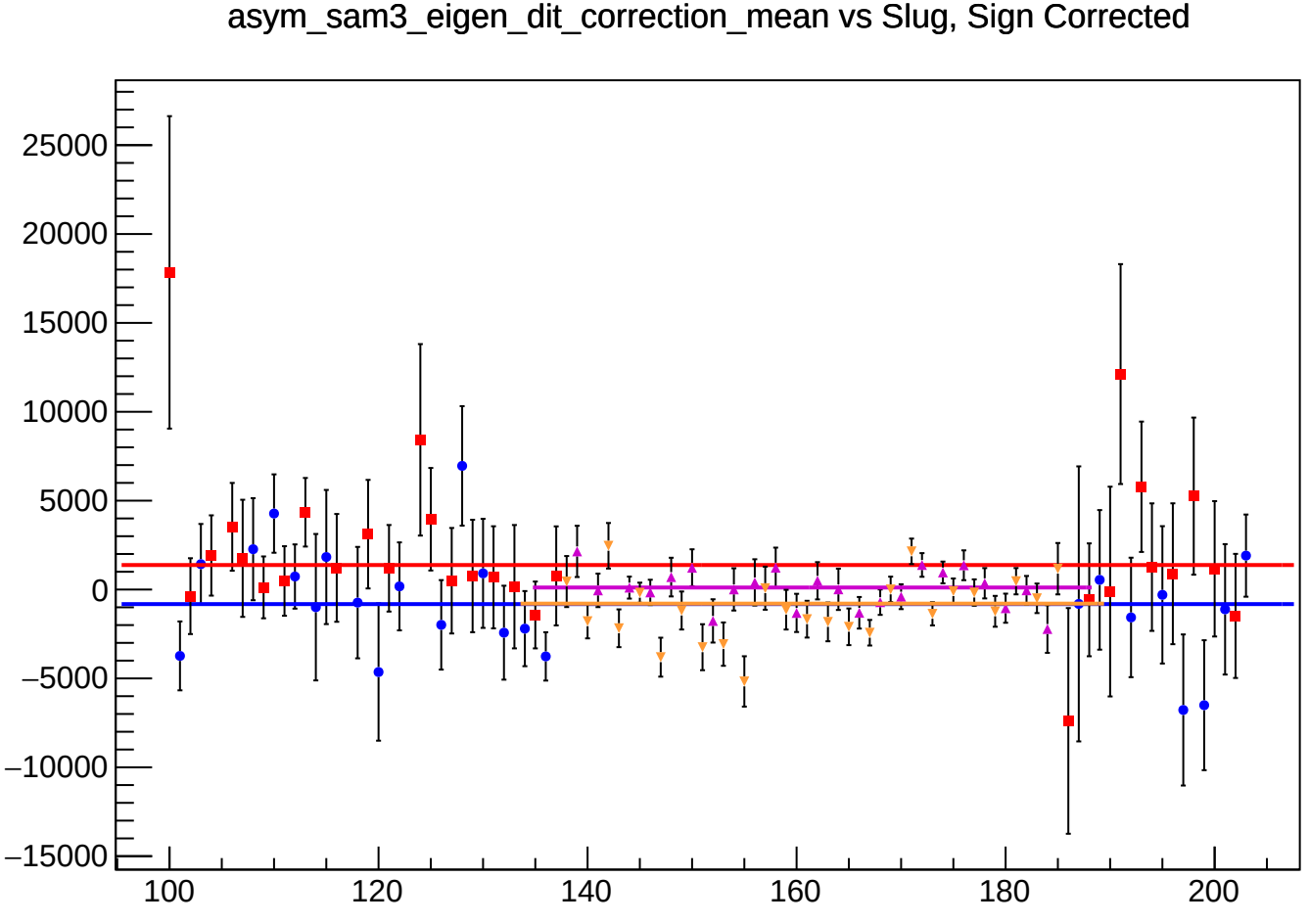
Left: 104.822+/-0.013 χ^2/NDF: 3857300.1/47

Right: 168.485+/-0.026 χ^2/NDF: 12257699.1/52

In: 116.536+/-0.016 χ^2/NDF:9063600.2/46

Out: 117.174+/-0.016 χ^2/NDF:11812387.3/53

All: 116.860+/-0.011 χ^2/NDF: 20876766.7/10



Right In: -819.221+/-538.712 χ^2/NDF: 29.5/23

Left Out: -793.071+/-179.896 χ^2/NDF:70.0/24

Right Out: 1379.018+/-533.689 χ^2/NDF: 21.8/28

Left In: 113.680+/-183.125 χ^2/NDF:26.3/22

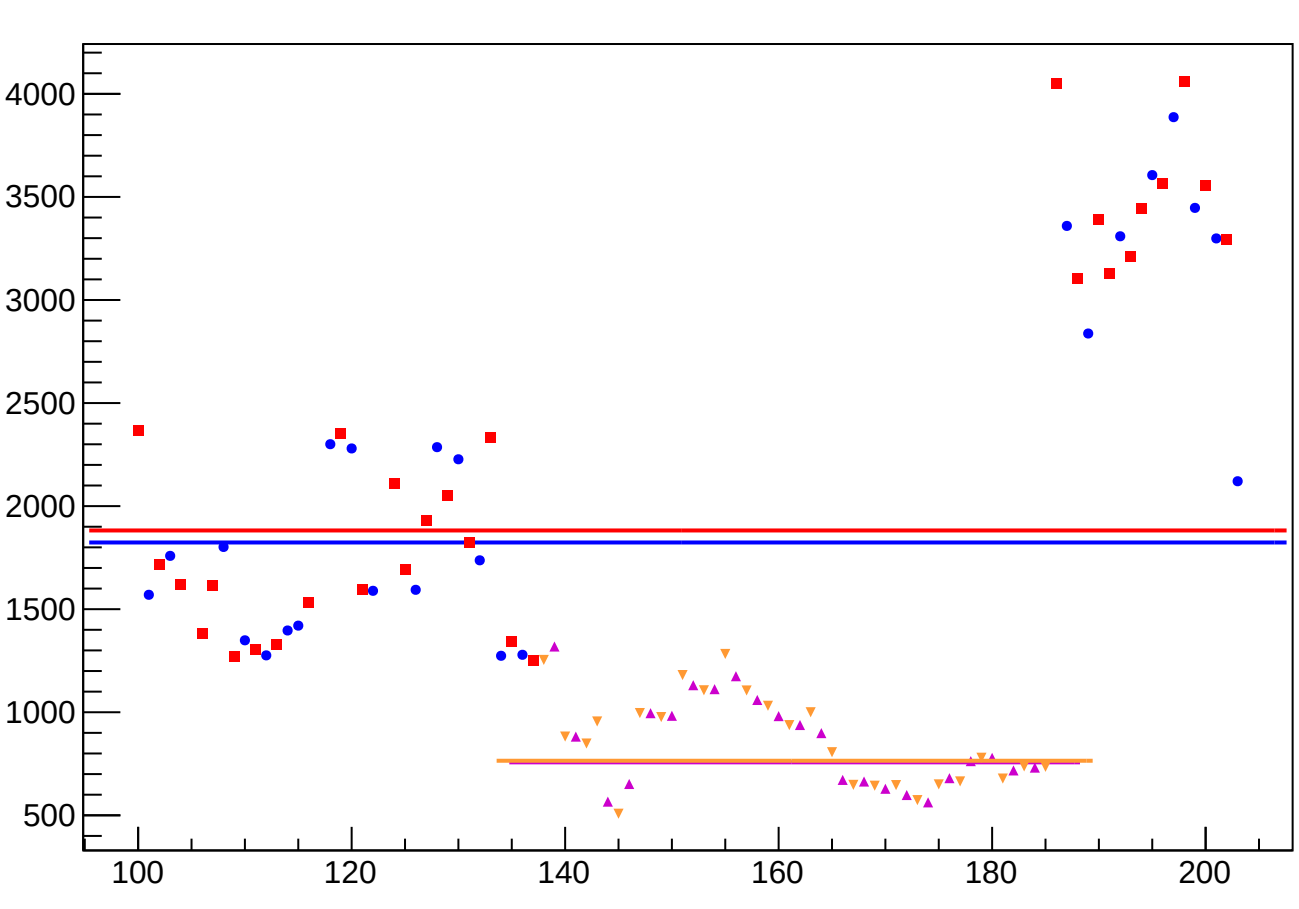
Left: -347.761+/-128.332 χ^2/NDF: 108.8/47

Right: 290.196+/-379.138 χ^2/NDF: 59.7/52

In: 17.046+/-173.382 χ^2/NDF:58.4/46

Out: -571.452+/-170.472 χ^2/NDF:106.7/53

All: -282.182+/-121.558 χ^2/NDF: 171.0/100



Right In: 1823.601+/-0.381 χ^2/NDF: 3247340.1/23

Left Out: 764.734+/-0.127 χ^2/NDF:2425549.9/24

Right Out: 1881.932+/-0.377 χ^2/NDF: 4090278.4/28

Left In: 756.926+/-0.129 χ^2/NDF:2115275.0/22

Left: 760.899+/-0.091 χ^2/NDF: 4542675.0/47

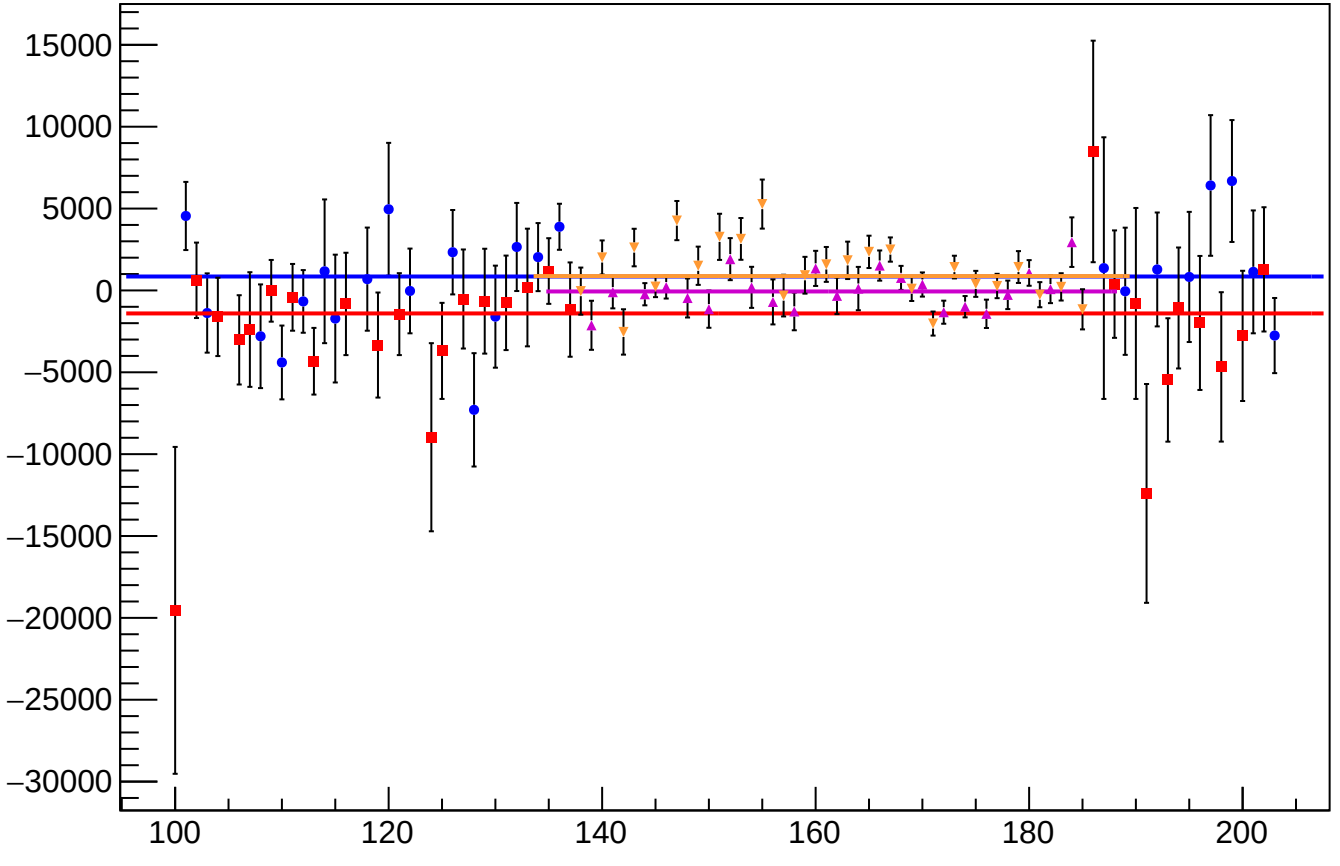
Right: 1853.040+/-0.268 χ^2/NDF: 7349452.6/52

In: 867.417+/-0.123 χ^2/NDF:12391569.7/46

Out: 878.722+/-0.121 χ^2/NDF:14385860.7/53

All: 873.165+/-0.086 χ^2/NDF: 26781754.0/10

asym_sam3_mean vs Slug, Sign Corrected



Right In: 850.722+/-556.695 χ^2/NDF: 31.6/23

Left Out: 876.482+/-188.998 χ^2/NDF:67.3/24

Right Out: -1405.136+/-560.569 χ^2/NDF: 19.6/28

Left In: -62.754+/-191.596 χ^2/NDF:27.1/22

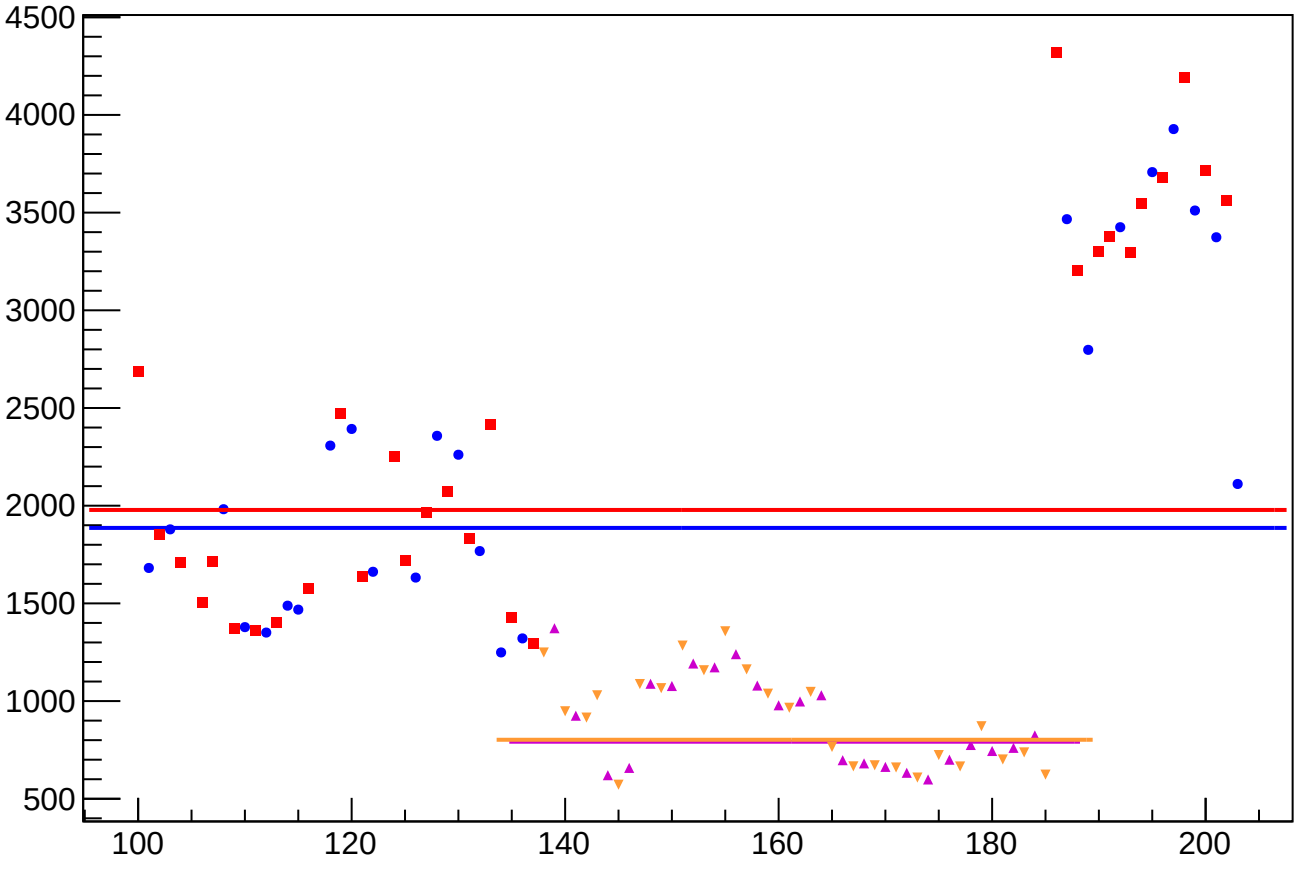
Left: 413.275+/-134.551 χ^2/NDF: 106.6/47

Right: -269.386+/-395.005 χ^2/NDF: 59.3/52

In: 33.989+/-181.167 χ^2/NDF:61.1/46

Out: 643.596+/-179.093 χ^2/NDF:101.7/53

All: 342.301+/-127.365 χ^2/NDF: 168.6/100



Right In: 1886.269+/-0.394 χ^2/NDF: 3167067.7/23

Left Out: 802.014+/-0.134 χ^2/NDF:2396024.4/24

Right Out: 1978.192+/-0.396 χ^2/NDF: 3963118.6/28

Left In: 792.060+/-0.135 χ^2/NDF:2135575.6/22

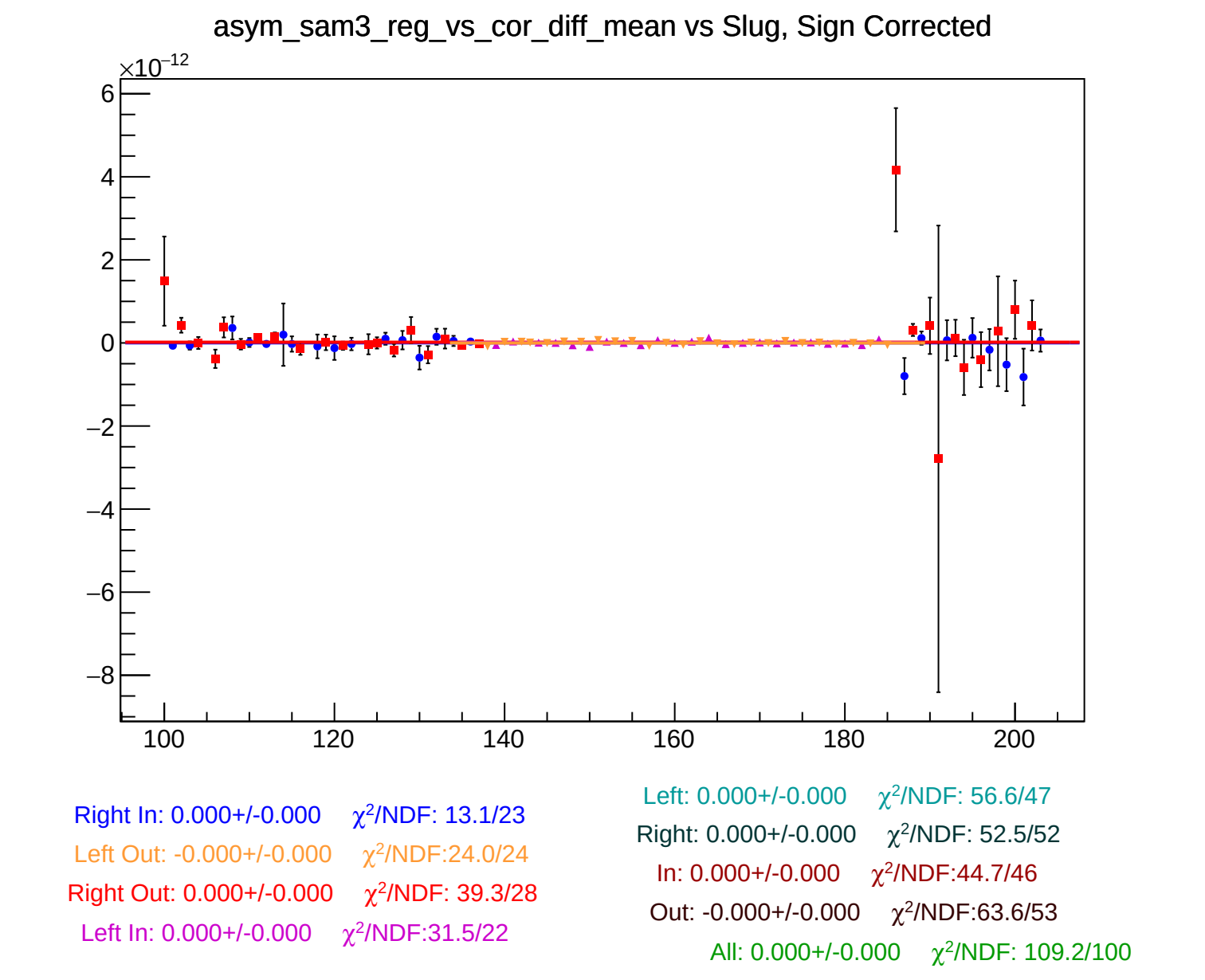
Left: 797.105+/-0.095 χ^2/NDF: 4534335.9/47

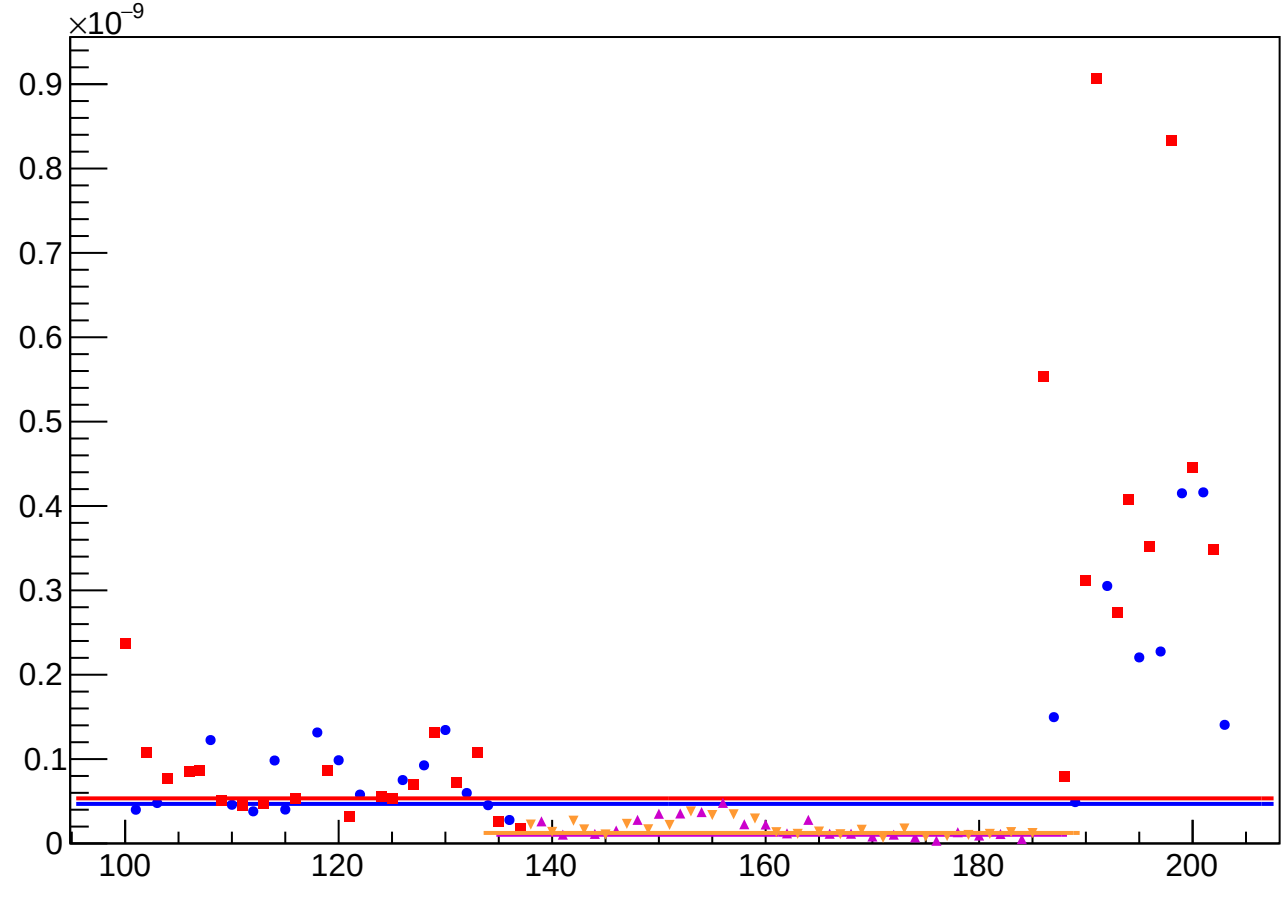
Right: 1931.912+/-0.279 χ^2/NDF: 7157262.7/52

In: 907.944+/-0.128 χ^2/NDF:12211062.2/46

Out: 922.067+/-0.127 χ^2/NDF:14265214.1/53

All: 915.087+/-0.090 χ^2/NDF: 26482423.6/10


asym_sam3_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
6
4
2
0
−2
−4
−6
−8
100
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 13.1/23
Left Out: -0.000+/-0.000 χ²/NDF:24.0/24
Right Out: 0.000+/-0.000 χ²/NDF: 39.3/28
Left In: 0.000+/-0.000 χ²/NDF:31.5/22
Left: 0.000+/-0.000 χ²/NDF: 56.6/47
Right: 0.000+/-0.000 χ²/NDF: 52.5/52
In: 0.000+/-0.000 χ²/NDF:44.7/46
Out: -0.000+/-0.000 χ²/NDF:63.6/53
All: 0.000+/-0.000 χ²/NDF: 109.2/100



Right In: 0.000+/-0.000 χ^2/NDF: 3912146.5/23

Left Out: 0.000+/-0.000 χ^2/NDF:2214354.7/24

Right Out: 0.000+/-0.000 χ^2/NDF: 5403806.2/28

Left In: 0.000+/-0.000 χ^2/NDF:3679061.1/22

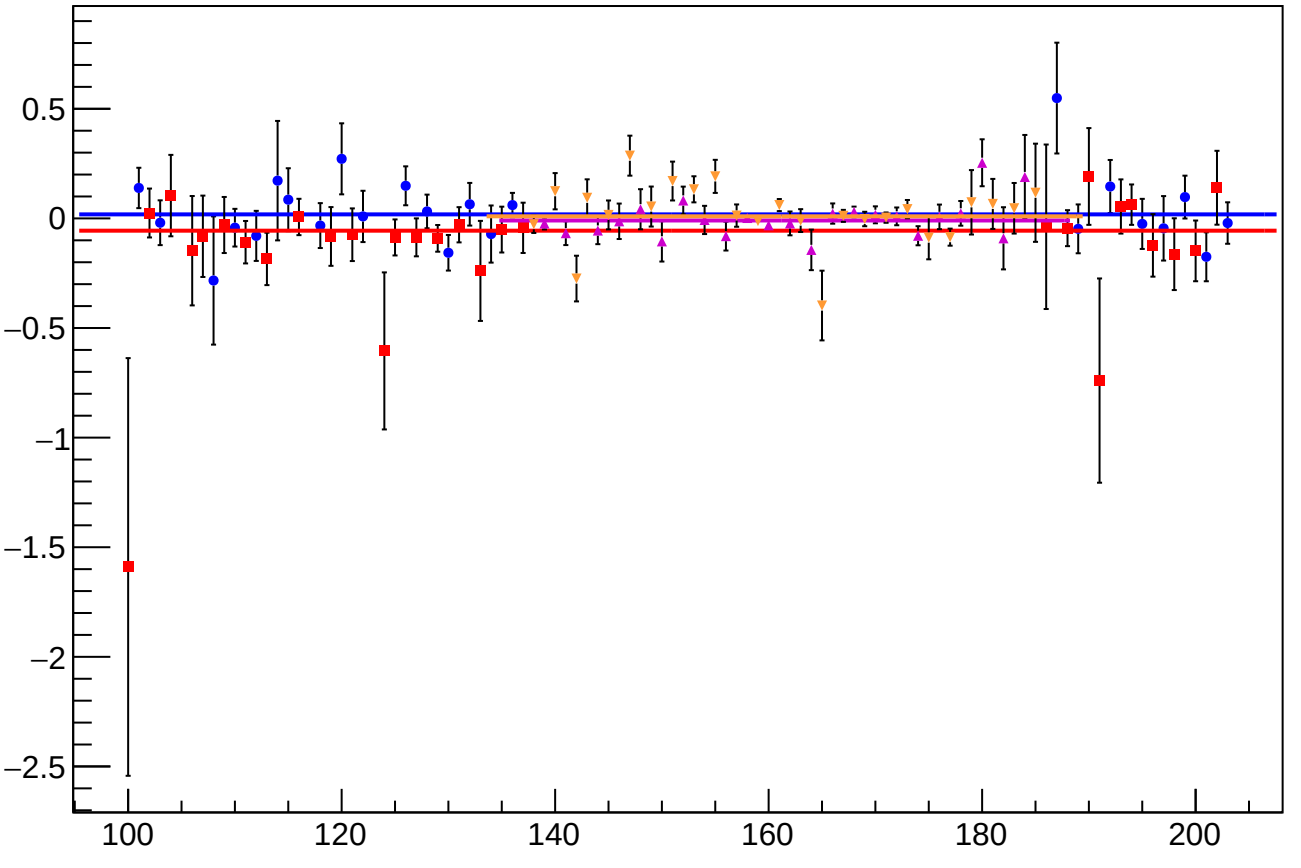
Left: 0.000+/-0.000 χ^2/NDF: 6061170.6/47

Right: 0.000+/-0.000 χ^2/NDF: 9370513.8/52

In: 0.000+/-0.000 χ^2/NDF:11269342.2/46

Out: 0.000+/-0.000 χ^2/NDF:11358834.1/53

All: 0.000+/-0.000 χ^2/NDF: 22822480.2/100



Right In: 0.018+/-0.021 χ^2/NDF: 25.5/23

Left Out: 0.010+/-0.008 χ^2/NDF:54.6/24

Right Out: -0.056+/-0.022 χ^2/NDF: 18.2/28

Left In: -0.009+/-0.008 χ^2/NDF:25.2/22

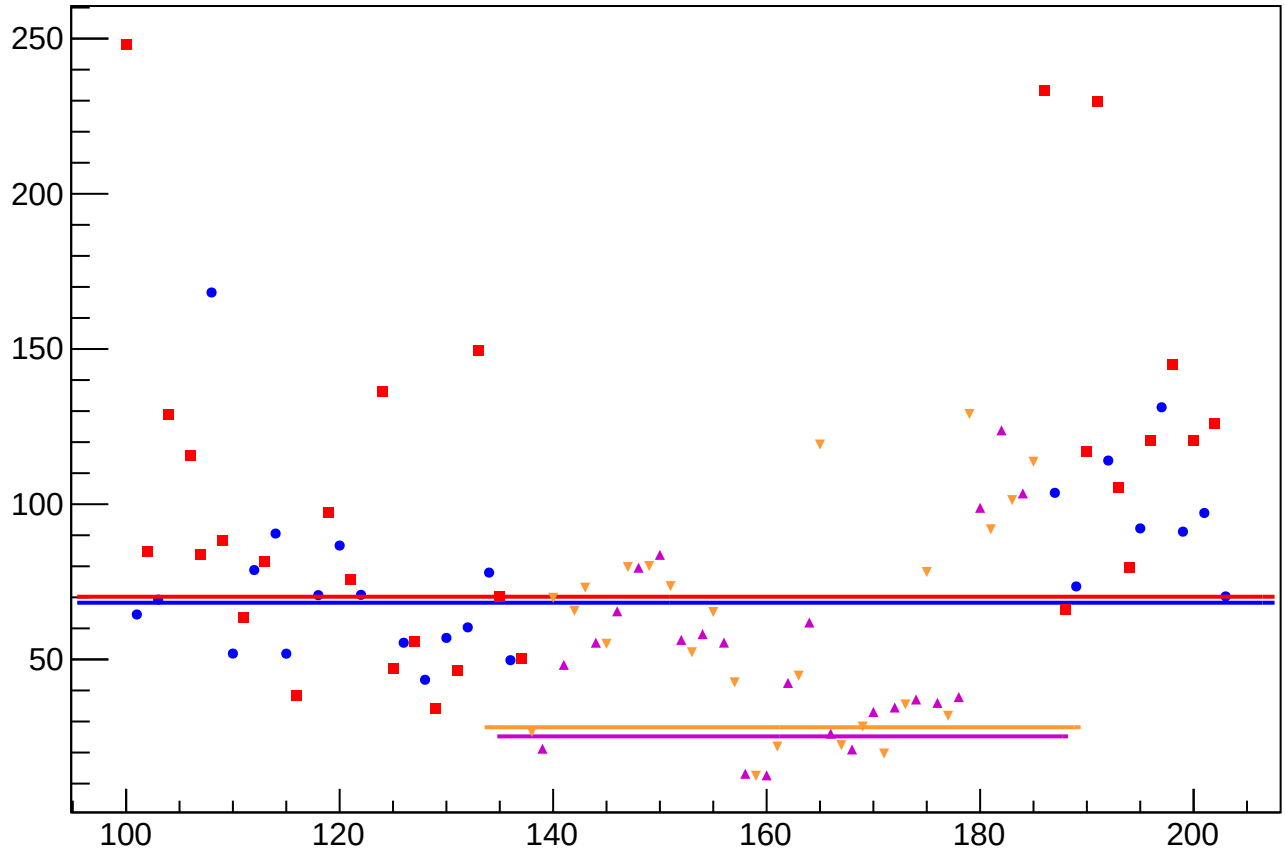
Left: -0.001+/-0.006 χ^2/NDF: 82.5/47

Right: -0.018+/-0.015 χ^2/NDF: 49.7/52

In: -0.006+/-0.007 χ^2/NDF:52.2/46

Out: 0.001+/-0.008 χ^2/NDF:80.7/53

All: -0.003+/-0.005 χ^2/NDF: 133.4/100



Right In: 68.267+/-0.015 χ^2/NDF: 1960321.5/23

Left Out: 28.151+/-0.006 χ^2/NDF:11070747.0/24

Right Out: 70.197+/-0.015 χ^2/NDF: 4326043.5/28

Left In: 25.206+/-0.006 χ^2/NDF:9964049.2/22

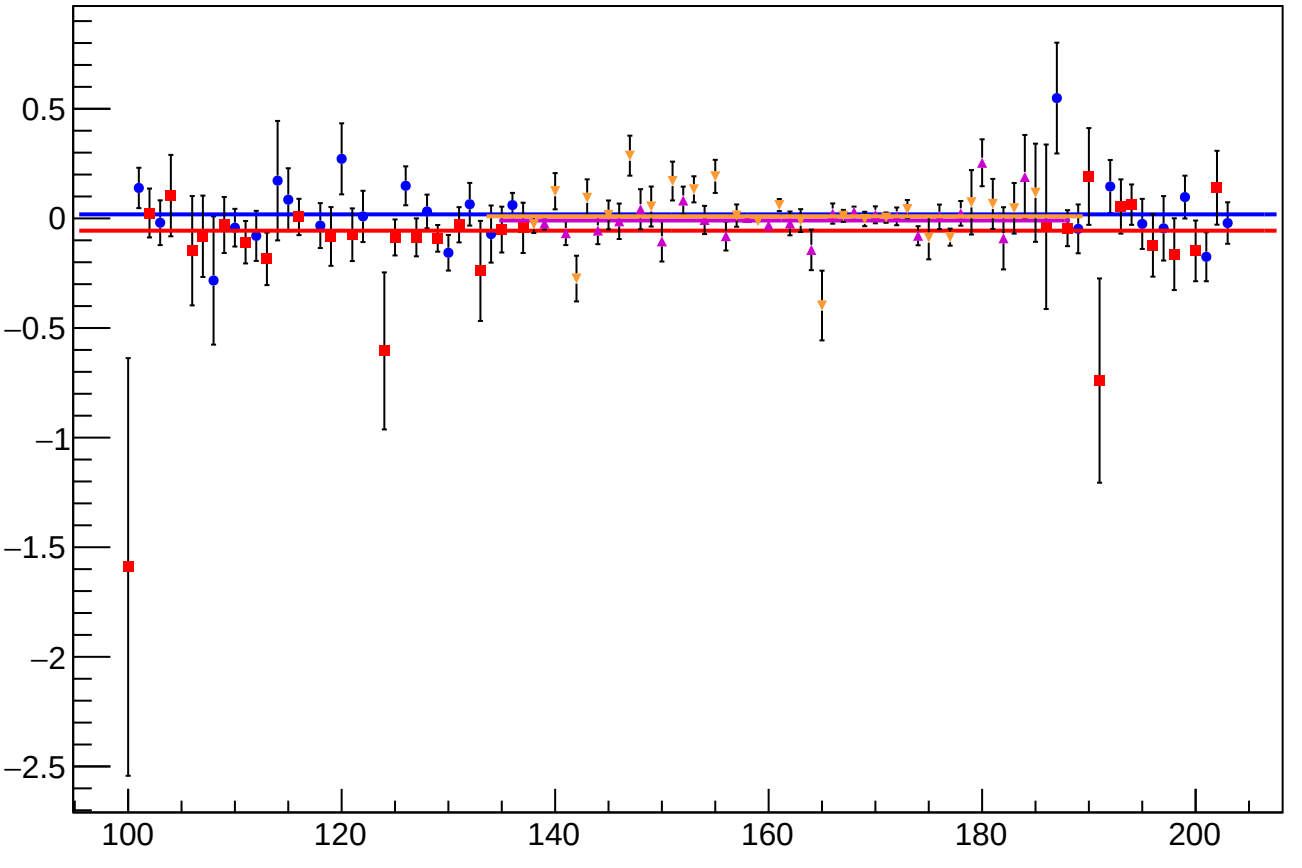
Left: 26.582+/-0.004 χ^2/NDF: 21163962.5/47

Right: 69.204+/-0.011 χ^2/NDF: 6294419.5/52

In: 30.488+/-0.005 χ^2/NDF:19169104.7/46

Out: 33.649+/-0.006 χ^2/NDF:21859863.6/53

All: 31.973+/-0.004 χ^2/NDF: 41199419.3/100



Right In: 0.018+/-0.021 χ^2/NDF: 25.5/23

Left Out: 0.010+/-0.008 χ^2/NDF:54.6/24

Right Out: -0.056+/-0.022 χ^2/NDF: 18.2/28

Left In: -0.009+/-0.008 χ^2/NDF:25.2/22

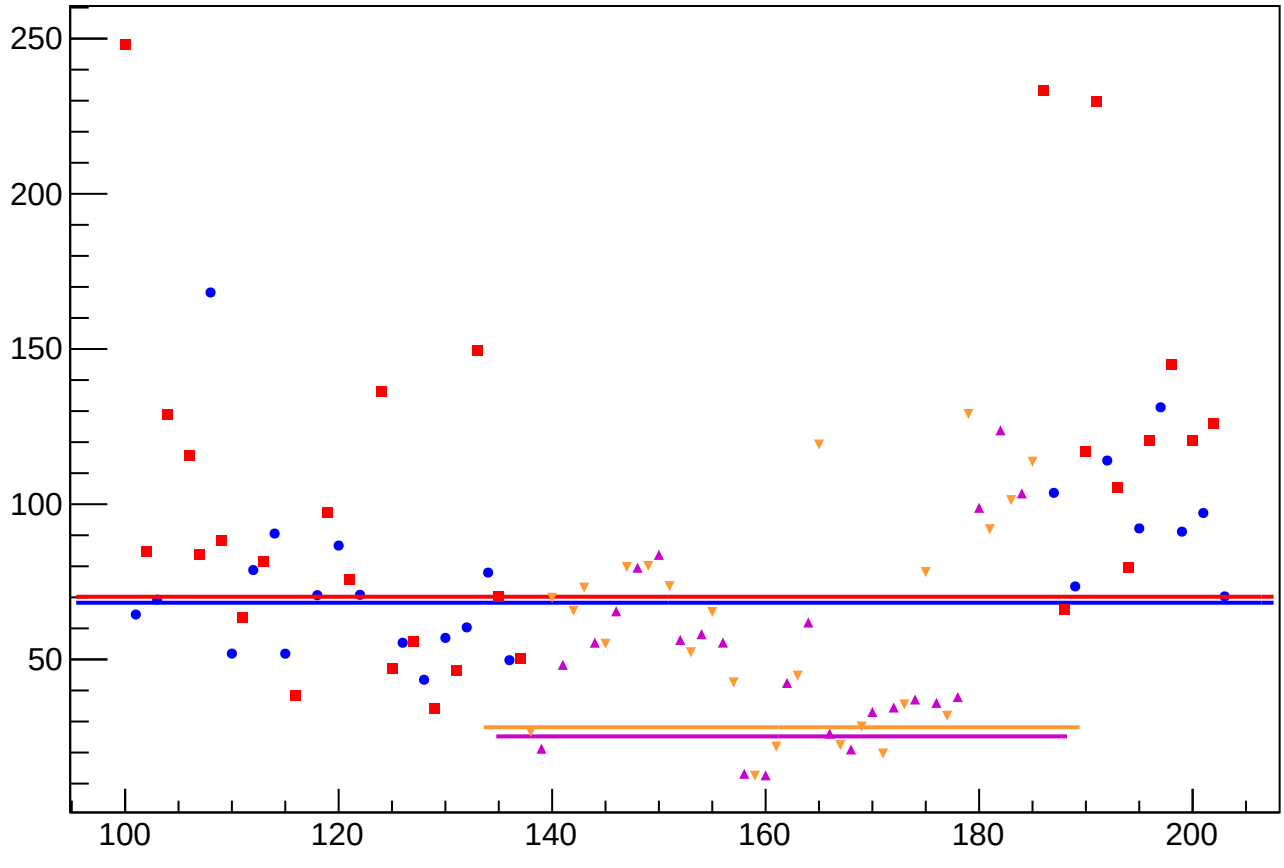
Left: -0.001+/-0.006 χ^2/NDF: 82.5/47

Right: -0.018+/-0.015 χ^2/NDF: 49.7/52

In: -0.006+/-0.007 χ^2/NDF:52.2/46

Out: 0.001+/-0.008 χ^2/NDF:80.7/53

All: -0.003+/-0.005 χ^2/NDF: 133.4/100



Right In: 68.267+/-0.015 χ^2/NDF: 1960321.5/23

Left Out: 28.151+/-0.006 χ^2/NDF:11070747.0/24

Right Out: 70.197+/-0.015 χ^2/NDF: 4326043.5/28

Left In: 25.206+/-0.006 χ^2/NDF:9964049.2/22

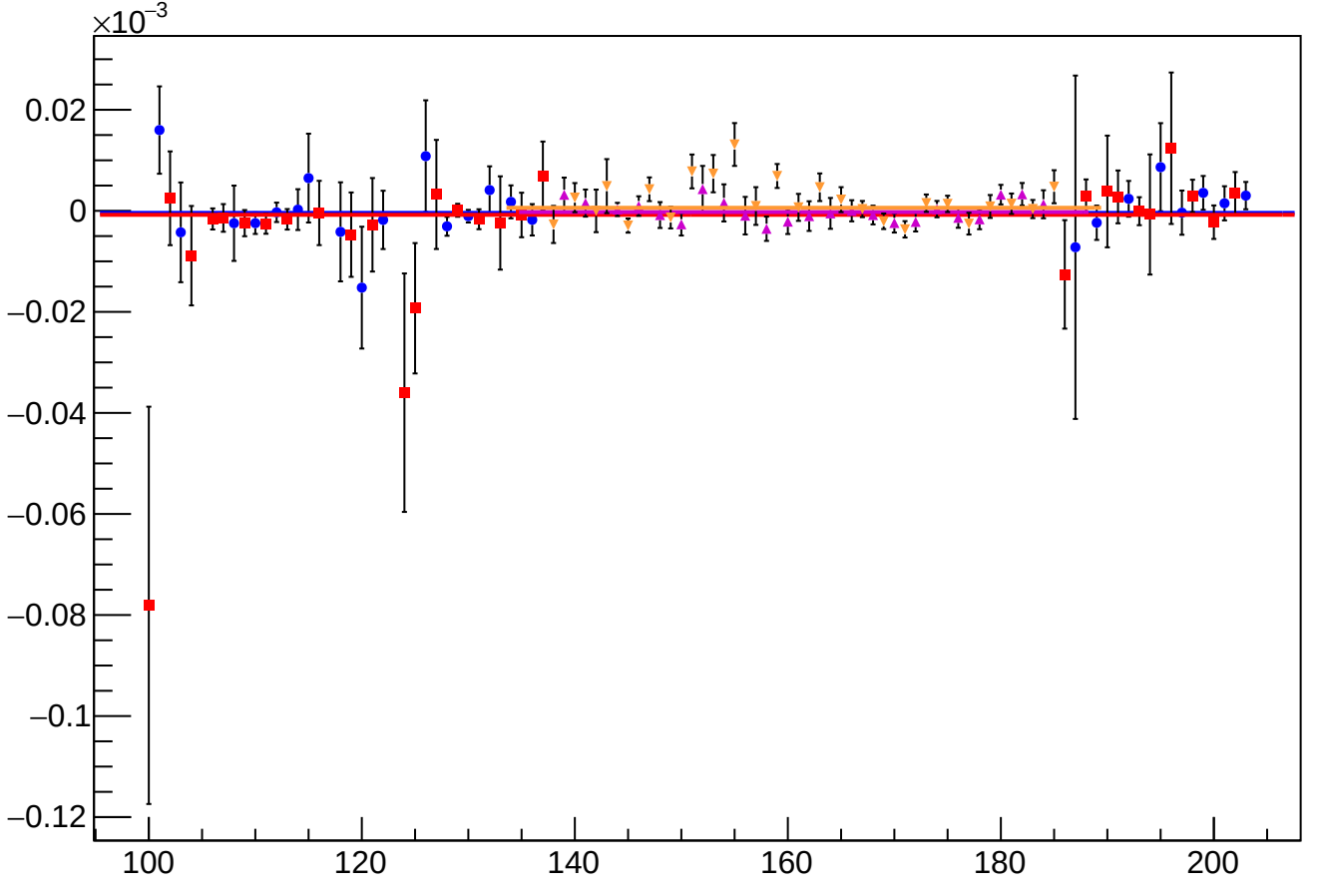
Left: 26.582+/-0.004 χ^2/NDF: 21163962.5/47

Right: 69.204+/-0.011 χ^2/NDF: 6294419.5/52

In: 30.488+/-0.005 χ^2/NDF:19169104.7/46

Out: 33.649+/-0.006 χ^2/NDF:21859863.6/53

All: 31.973+/-0.004 χ^2/NDF: 41199419.3/100



Right In: -0.000+/-0.000 χ^2/NDF: 17.4/23

Left Out: 0.000+/-0.000 χ^2/NDF:52.3/24

Right Out: -0.000+/-0.000 χ^2/NDF: 19.4/28

Left In: -0.000+/-0.000 χ^2/NDF:16.5/22

Left: 0.000+/-0.000 χ^2/NDF: 70.6/47

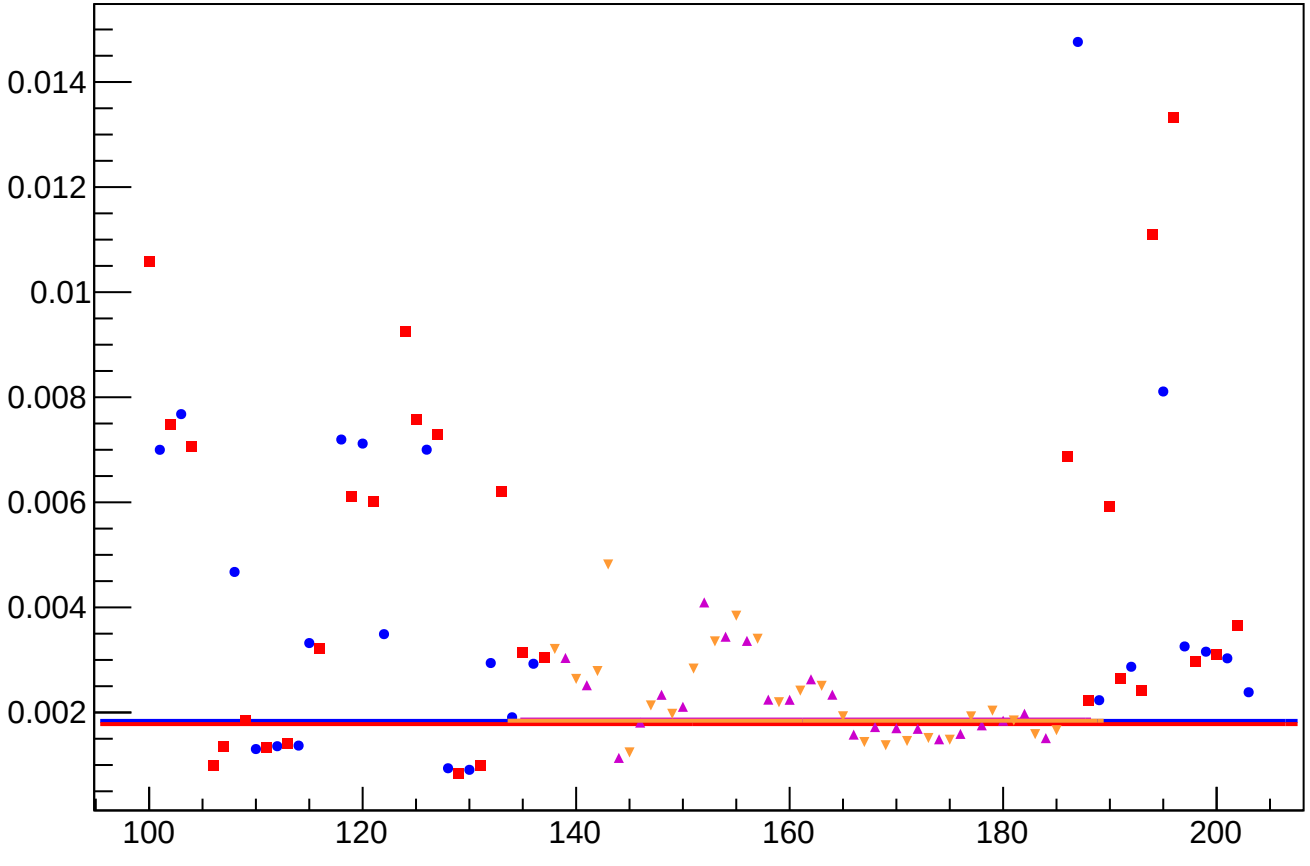
Right: -0.000+/-0.000 χ^2/NDF: 37.0/52

In: -0.000+/-0.000 χ^2/NDF:33.9/46

Out: 0.000+/-0.000 χ^2/NDF:75.1/53

All: -0.000+/-0.000 χ^2/NDF: 109.7/100

asym_sam3_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.002+/-0.000 χ^2/NDF: 7920608.1/23

Left Out: 0.002+/-0.000 χ^2/NDF:3783185.4/24

Right Out: 0.002+/-0.000 χ^2/NDF: 10585546.2/28

Left In: 0.002+/-0.000 χ^2/NDF:2794135.0/22

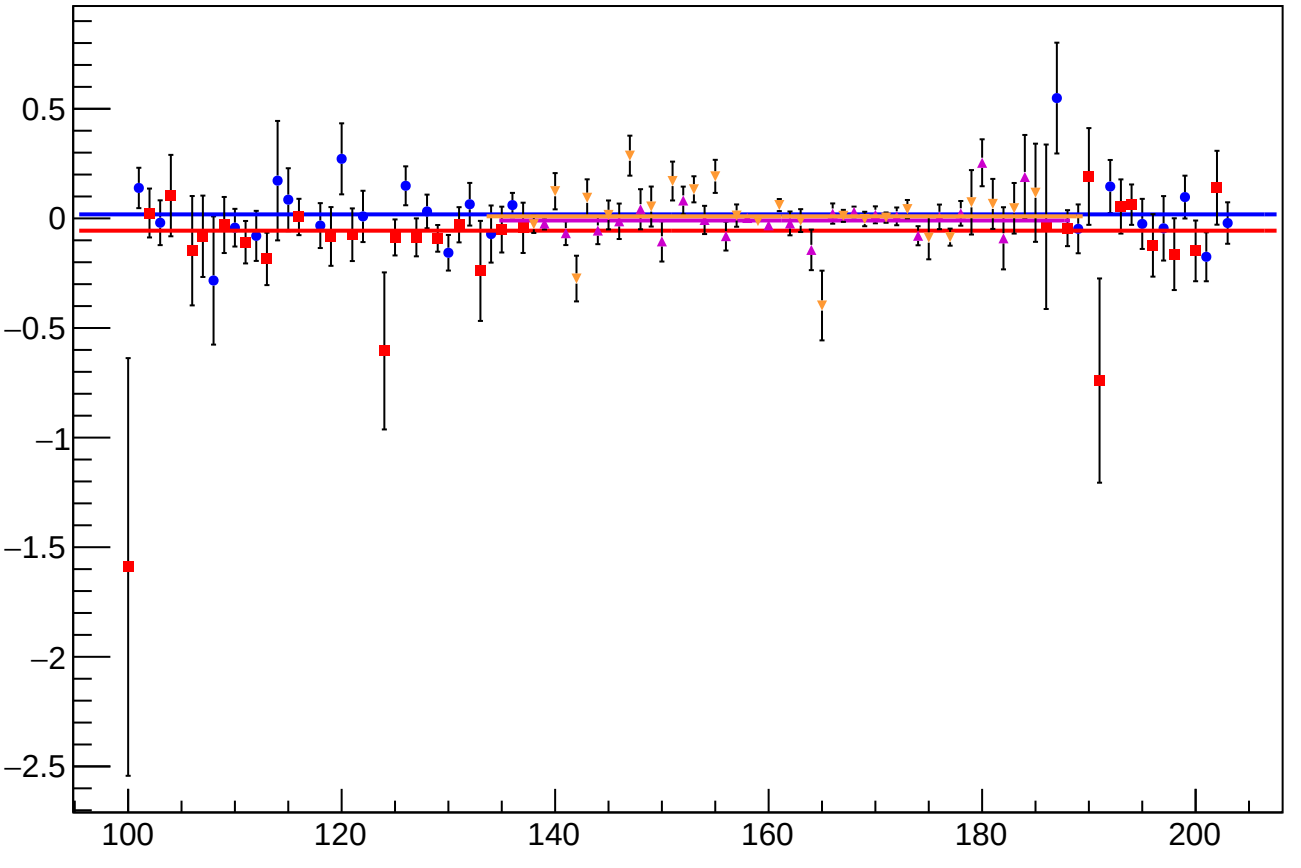
Left: 0.002+/-0.000 χ^2/NDF: 6579632.9/47

Right: 0.002+/-0.000 χ^2/NDF: 18515356.3/52

In: 0.002+/-0.000 χ^2/NDF:10716779.2/46

Out: 0.002+/-0.000 χ^2/NDF:14383000.9/53

All: 0.002+/-0.000 χ^2/NDF: 25108839.6/100



Right In: 0.018+/-0.021 χ^2/NDF: 25.5/23

Left Out: 0.010+/-0.008 χ^2/NDF:54.6/24

Right Out: -0.056+/-0.022 χ^2/NDF: 18.2/28

Left In: -0.009+/-0.008 χ^2/NDF:25.2/22

Left: -0.001+/-0.006 χ^2/NDF: 82.5/47

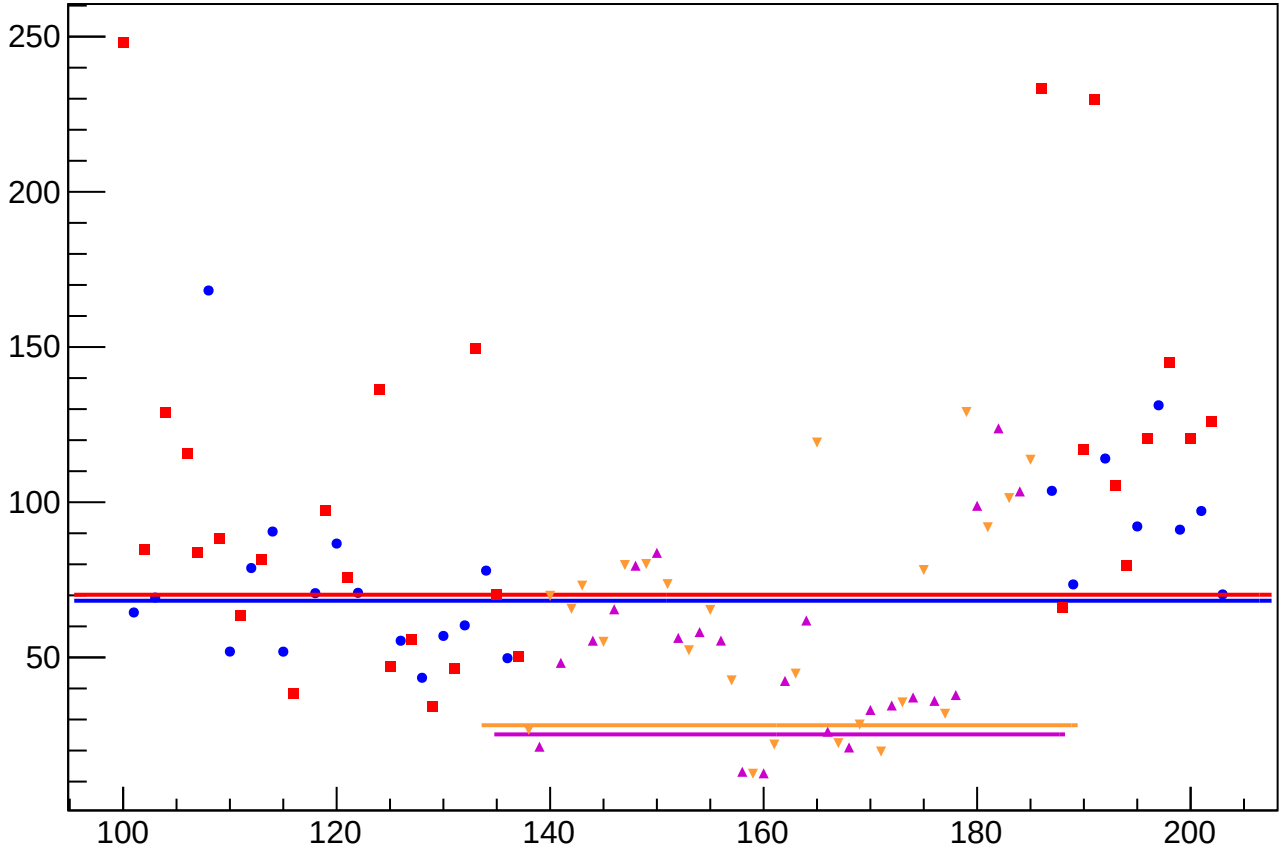
Right: -0.018+/-0.015 χ^2/NDF: 49.7/52

In: -0.006+/-0.007 χ^2/NDF:52.2/46

Out: 0.001+/-0.008 χ^2/NDF:80.7/53

All: -0.003+/-0.005 χ^2/NDF: 133.4/100

asym_sam3_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 68.268+/-0.015 χ^2/NDF: 1960301.7/23

Left Out: 28.150+/-0.006 χ^2/NDF:11071818.3/24

Right Out: 70.198+/-0.015 χ^2/NDF: 4326062.7/28

Left In: 25.205+/-0.006 χ^2/NDF:9964548.1/22

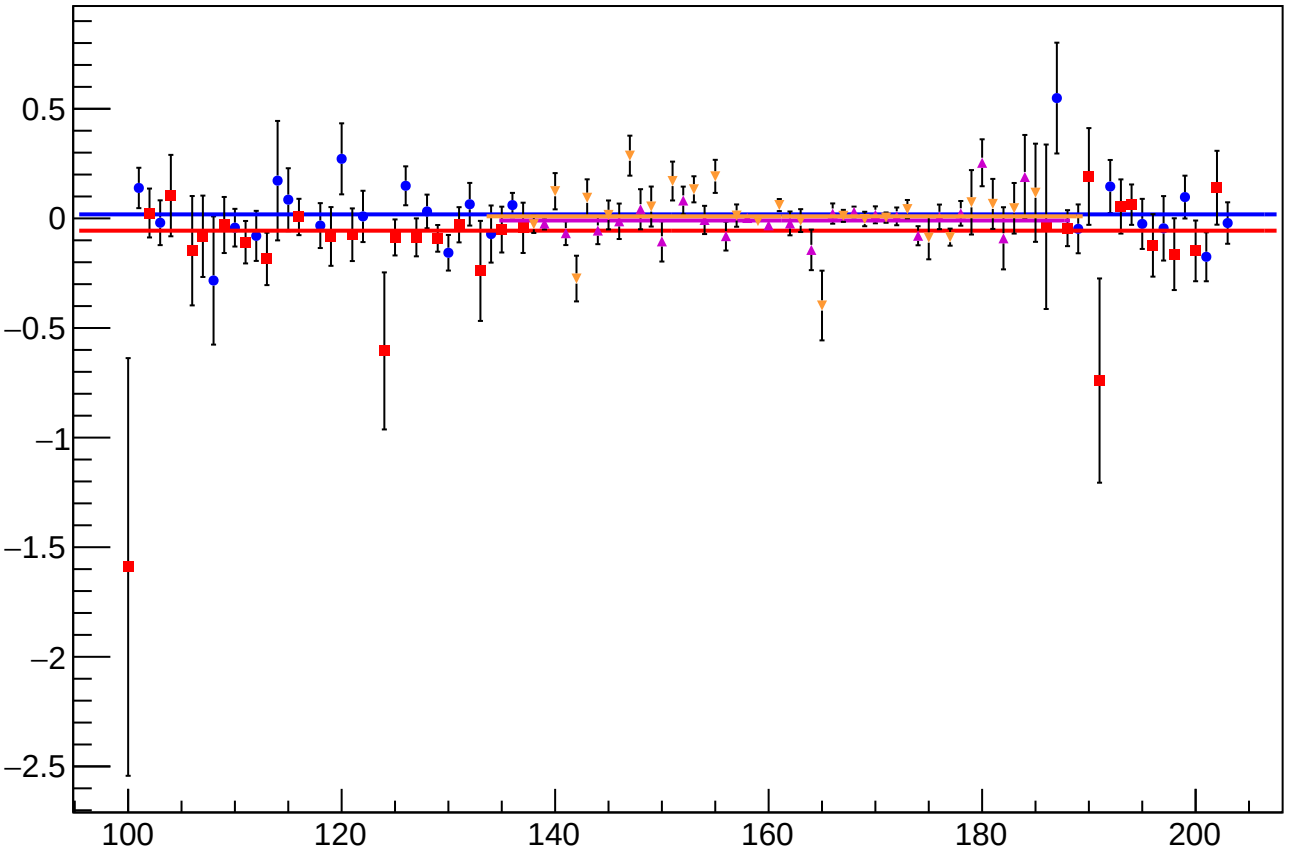
Left: 26.582+/-0.004 χ^2/NDF: 21165461.1/47

Right: 69.205+/-0.011 χ^2/NDF: 6294423.6/52

In: 30.487+/-0.005 χ^2/NDF:19169770.5/46

Out: 33.648+/-0.006 χ^2/NDF:21861548.3/53

All: 31.972+/-0.004 χ^2/NDF: 41201684.9/100



Right In: 0.018+/-0.021 χ^2/NDF: 25.5/23

Left Out: 0.010+/-0.008 χ^2/NDF:54.6/24

Right Out: -0.056+/-0.022 χ^2/NDF: 18.2/28

Left In: -0.009+/-0.008 χ^2/NDF:25.2/22

Left: -0.001+/-0.006 χ^2/NDF: 82.5/47

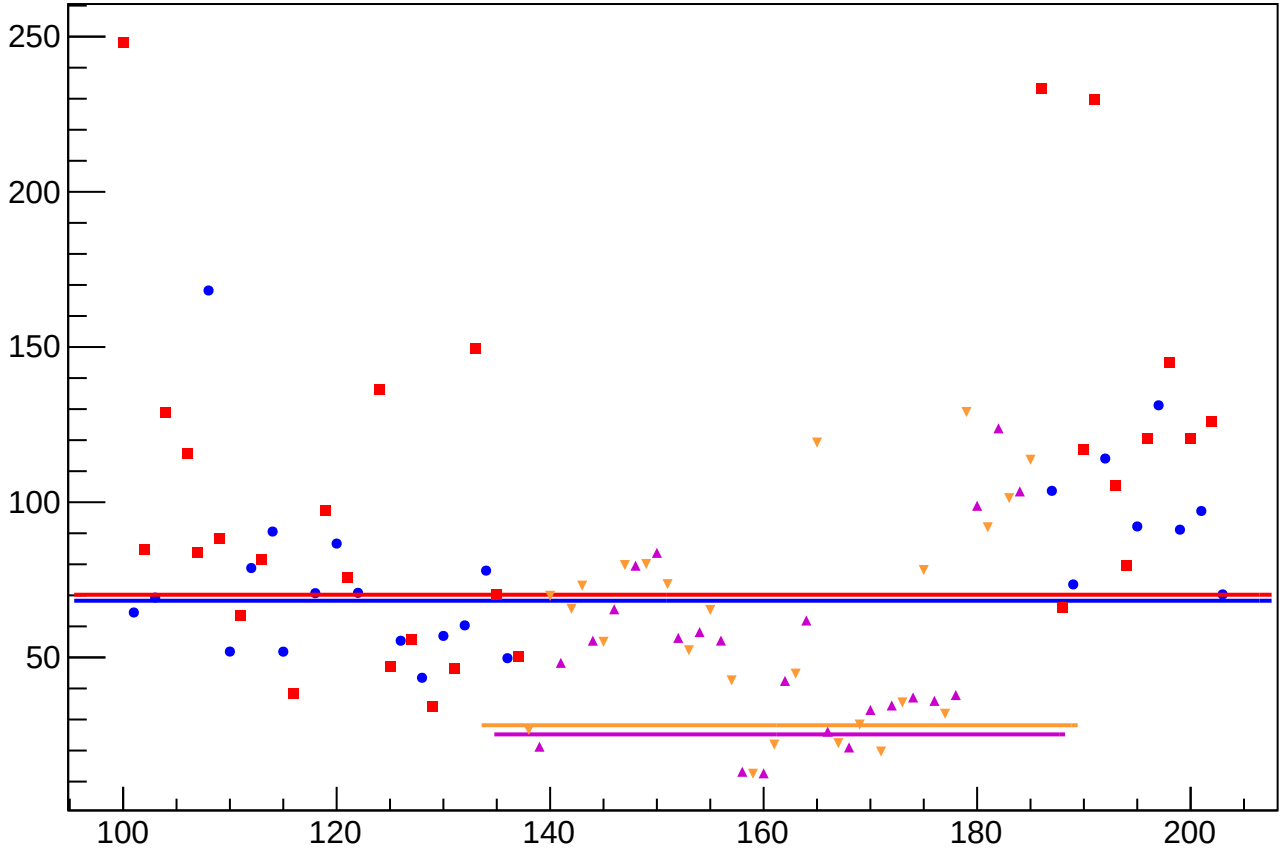
Right: -0.018+/-0.015 χ^2/NDF: 49.7/52

In: -0.006+/-0.007 χ^2/NDF:52.2/46

Out: 0.001+/-0.008 χ^2/NDF:80.7/53

All: -0.003+/-0.005 χ^2/NDF: 133.4/100

asym_sam3_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 68.268+/-0.015 χ^2/NDF: 1960301.7/23

Left Out: 28.150+/-0.006 χ^2/NDF:11071818.3/24

Right Out: 70.198+/-0.015 χ^2/NDF: 4326062.7/28

Left In: 25.205+/-0.006 χ^2/NDF:9964548.1/22

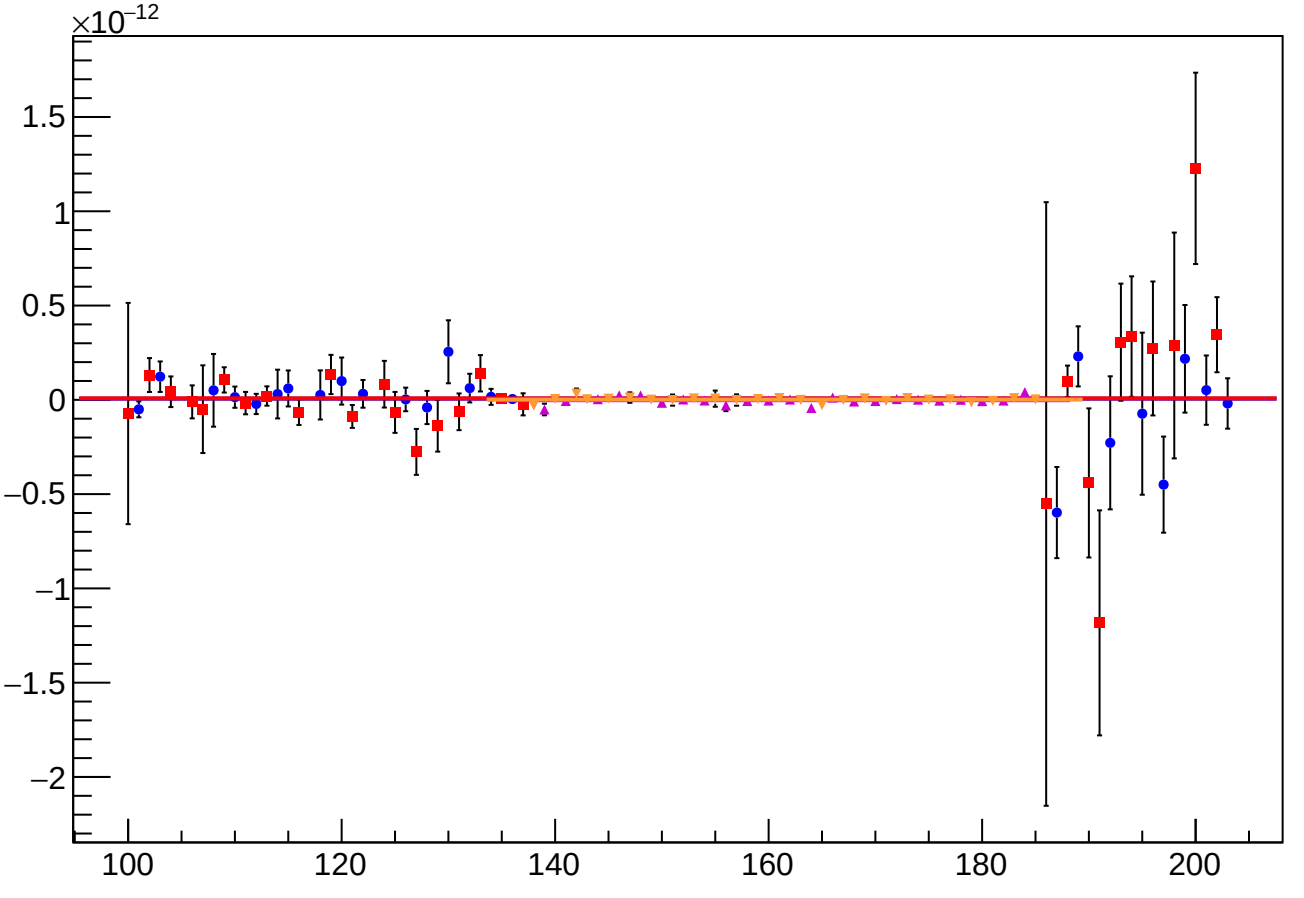
Left: 26.582+/-0.004 χ^2/NDF: 21165461.1/47

Right: 69.205+/-0.011 χ^2/NDF: 6294423.6/52

In: 30.487+/-0.005 χ^2/NDF:19169770.5/46

Out: 33.648+/-0.006 χ^2/NDF:21861548.3/53

All: 31.972+/-0.004 χ^2/NDF: 41201684.9/100



Right In: 0.000+/-0.000 χ^2/NDF: 20.9/23

Left Out: 0.000+/-0.000 χ^2/NDF:11.3/24

Right Out: 0.000+/-0.000 χ^2/NDF: 37.8/28

Left In: -0.000+/-0.000 χ^2/NDF:20.8/22

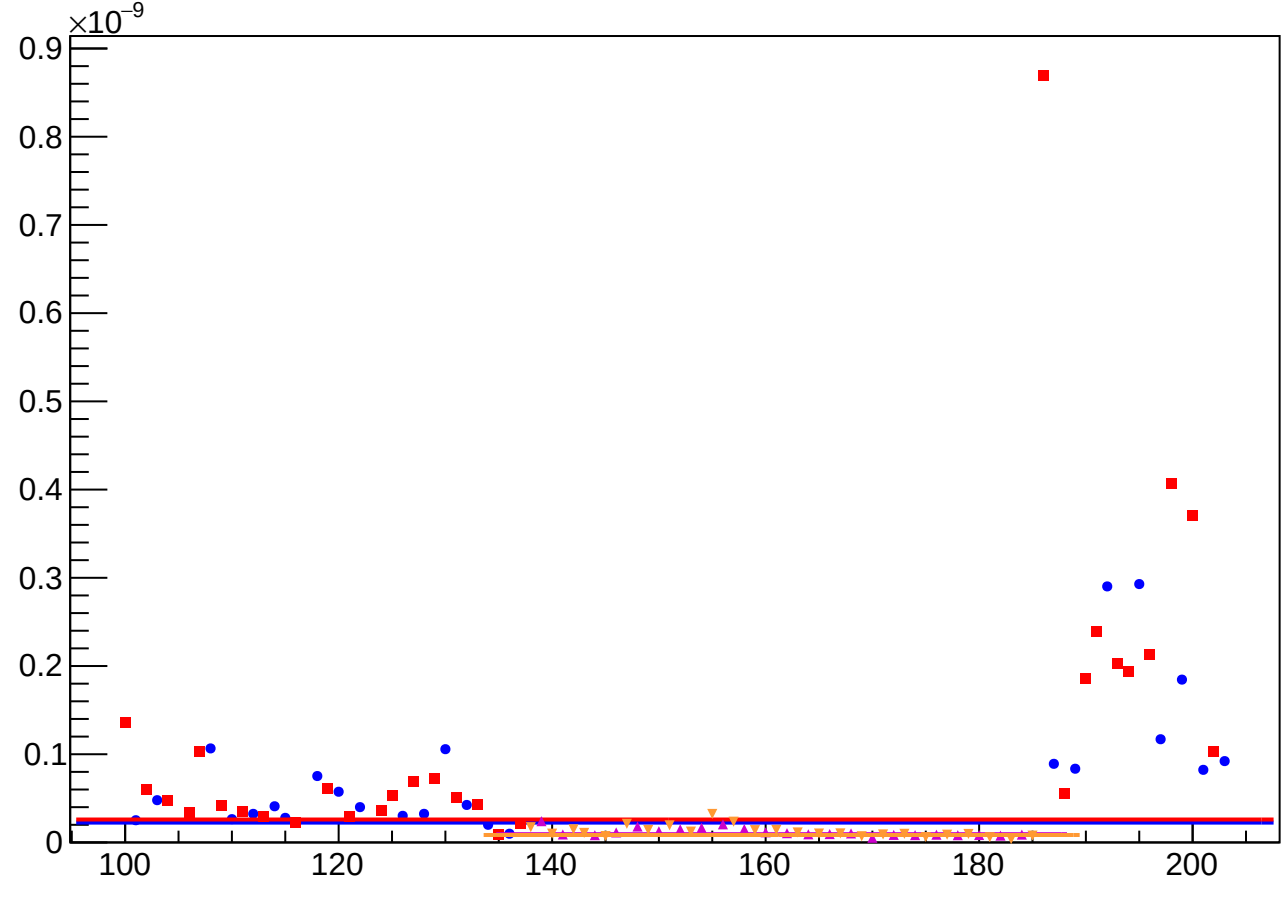
Left: -0.000+/-0.000 χ^2/NDF: 32.7/47

Right: 0.000+/-0.000 χ^2/NDF: 58.8/52

In: -0.000+/-0.000 χ^2/NDF:42.2/46

Out: 0.000+/-0.000 χ^2/NDF:49.3/53

All: 0.000+/-0.000 χ^2/NDF: 92.1/100



Right In: 0.000+/-0.000 χ^2/NDF: 7265594.1/23

Left Out: 0.000+/-0.000 χ^2/NDF:4343727.1/24

Right Out: 0.000+/-0.000 χ^2/NDF: 8800124.4/28

Left In: 0.000+/-0.000 χ^2/NDF:2146041.0/22

Left: 0.000+/-0.000 χ^2/NDF: 6595432.2/47

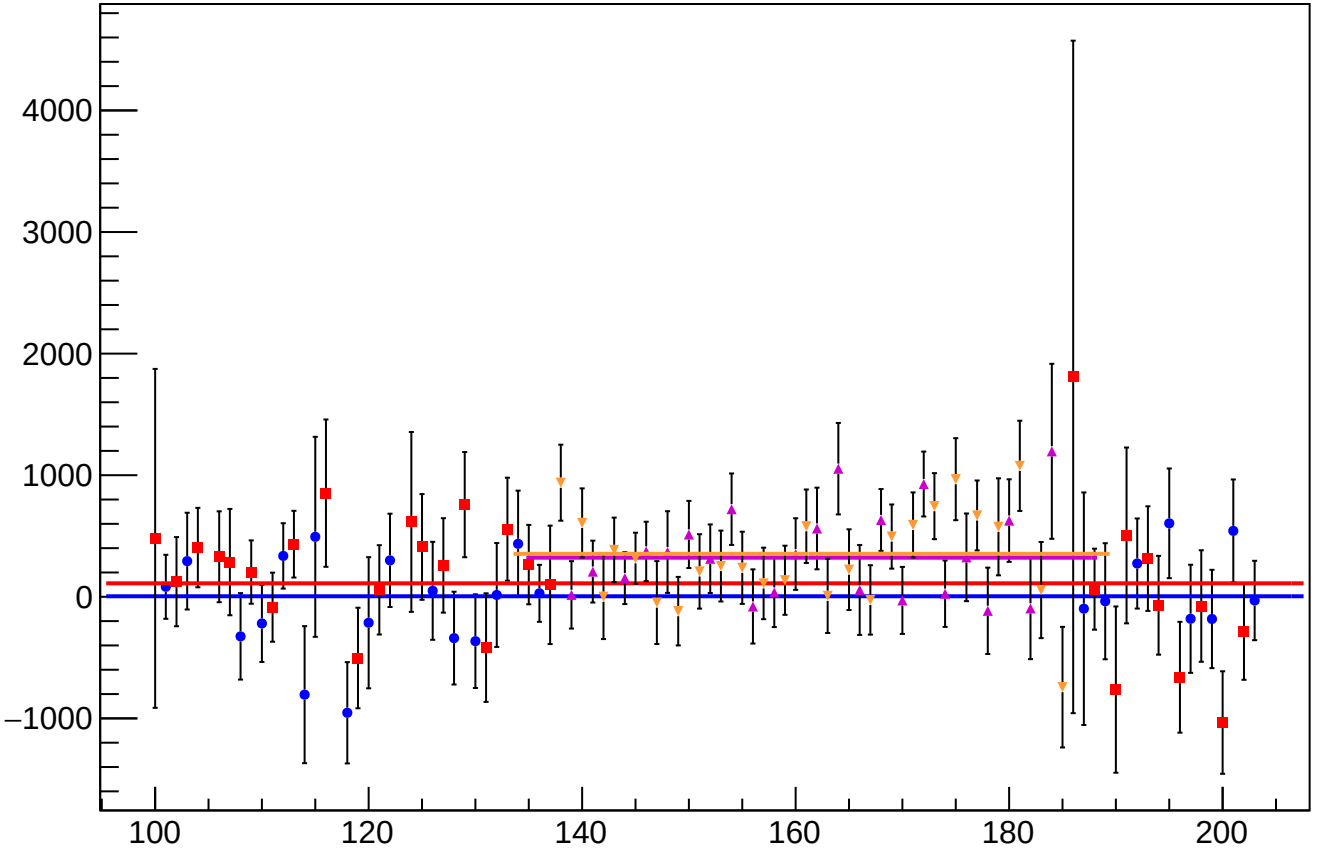
Right: 0.000+/-0.000 χ^2/NDF: 16142930.5/52

In: 0.000+/-0.000 χ^2/NDF:11669416.5/46

Out: 0.000+/-0.000 χ^2/NDF:16501392.2/53

All: 0.000+/-0.000 χ^2/NDF: 28289850.3/100

reg_asym_sam4_mean vs Slug, Sign Corrected



Right In: 4.382+/-77.703 χ^2/NDF: 19.0/23

Left Out: 353.617+/-60.149 χ^2/NDF:32.3/24

Right Out: 110.847+/-75.451 χ^2/NDF: 27.3/28

Left In: 321.510+/-62.113 χ^2/NDF:26.2/22

Left: 338.079+/-43.209 χ^2/NDF: 58.7/47

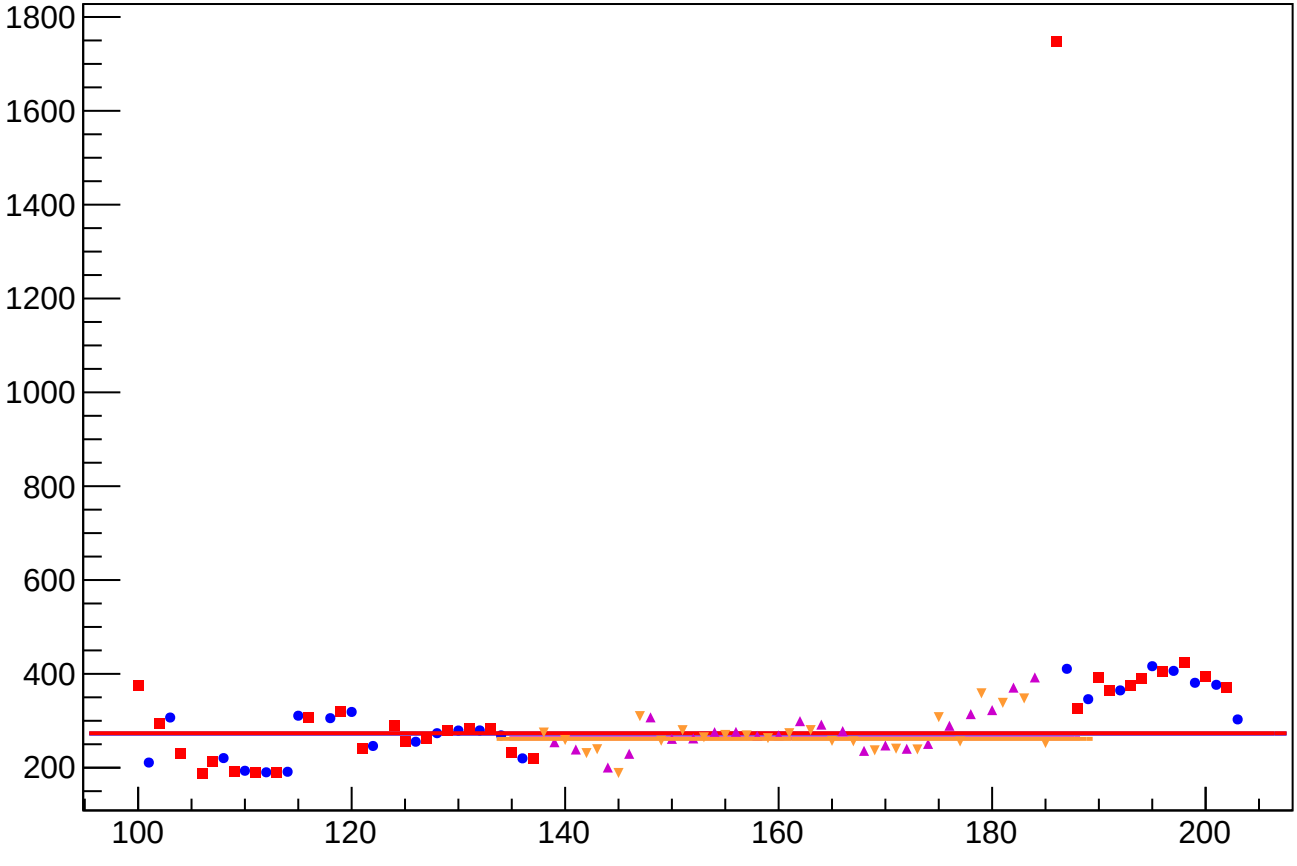
Right: 59.180+/-54.131 χ^2/NDF: 47.3/52

In: 197.873+/-48.517 χ^2/NDF:55.4/46

Out: 259.283+/-47.033 χ^2/NDF:66.0/53

All: 229.532+/-33.770 χ^2/NDF: 122.2/100

reg_asym_sam4_rms vs Slug, Sign Corrected



Right In: 272.735+/-0.055 χ^2/NDF: 1548286.4/23

Left Out: 261.470+/-0.043 χ^2/NDF:715467.9/24

Right Out: 273.482+/-0.053 χ^2/NDF: 2519995.5/28

Left In: 262.616+/-0.044 χ^2/NDF:670646.3/22

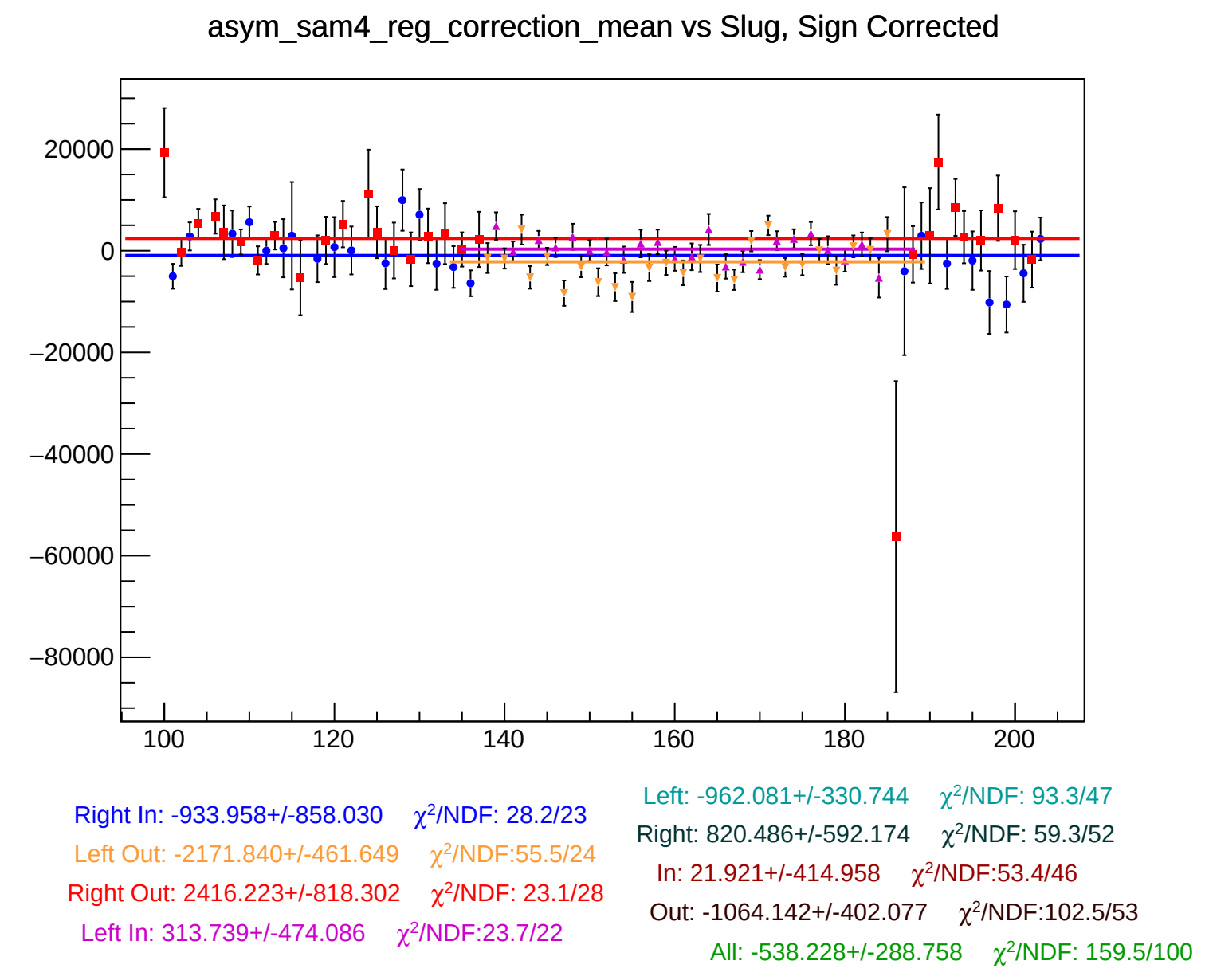
Left: 262.024+/-0.031 χ^2/NDF: 1386465.9/47

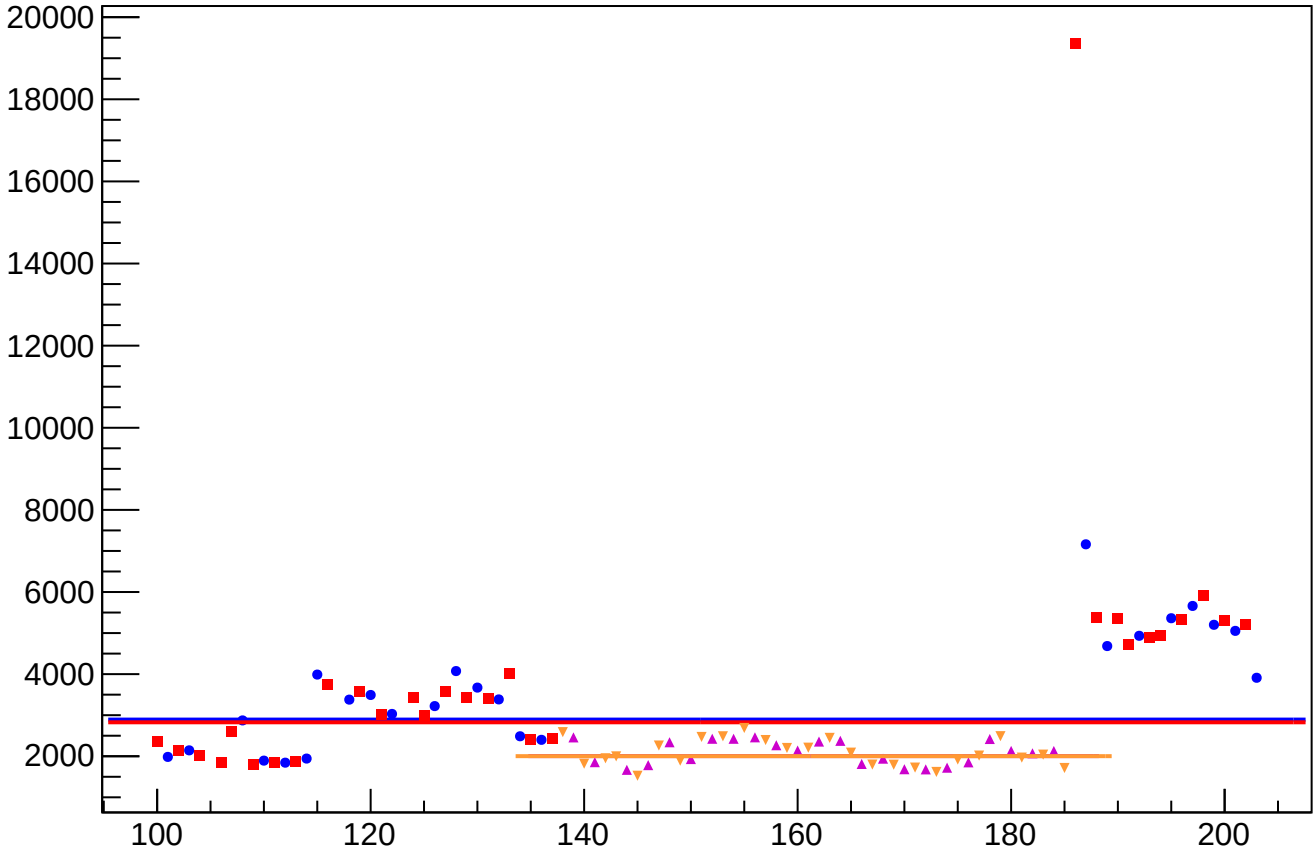
Right: 273.119+/-0.038 χ^2/NDF: 4068377.1/52

In: 266.561+/-0.034 χ^2/NDF:2239624.8/46

Out: 266.137+/-0.033 χ^2/NDF:3266459.2/53

All: 266.343+/-0.024 χ^2/NDF: 5506162.5/100


asym_sam4_reg_correction_mean vs Slug, Sign Corrected
20000
0
−20000
−40000
−60000
−80000
100
120
140
160
180
200
Right In: -933.958+/-858.030 χ²/NDF: 28.2/23
Left Out: -2171.840+/-461.649 χ²/NDF:55.5/24
Right Out: 2416.223+/-818.302 χ²/NDF: 23.1/28
Left In: 313.739+/-474.086 χ²/NDF:23.7/22
Left: -962.081+/-330.744 χ²/NDF: 93.3/47
Right: 820.486+/-592.174 χ²/NDF: 59.3/52
In: 21.921+/-414.958 χ²/NDF:53.4/46
Out: -1064.142+/-402.077 χ²/NDF:102.5/53
All: -538.228+/-288.758 χ²/NDF: 159.5/100



Right In: 2892.921+/-0.607 χ^2/NDF: 3469561.9/23

Left Out: 2002.229+/-0.326 χ^2/NDF:892707.2/24

Right Out: 2827.055+/-0.579 χ^2/NDF: 5048161.3/28

Left In: 2004.244+/-0.335 χ^2/NDF:704919.9/22

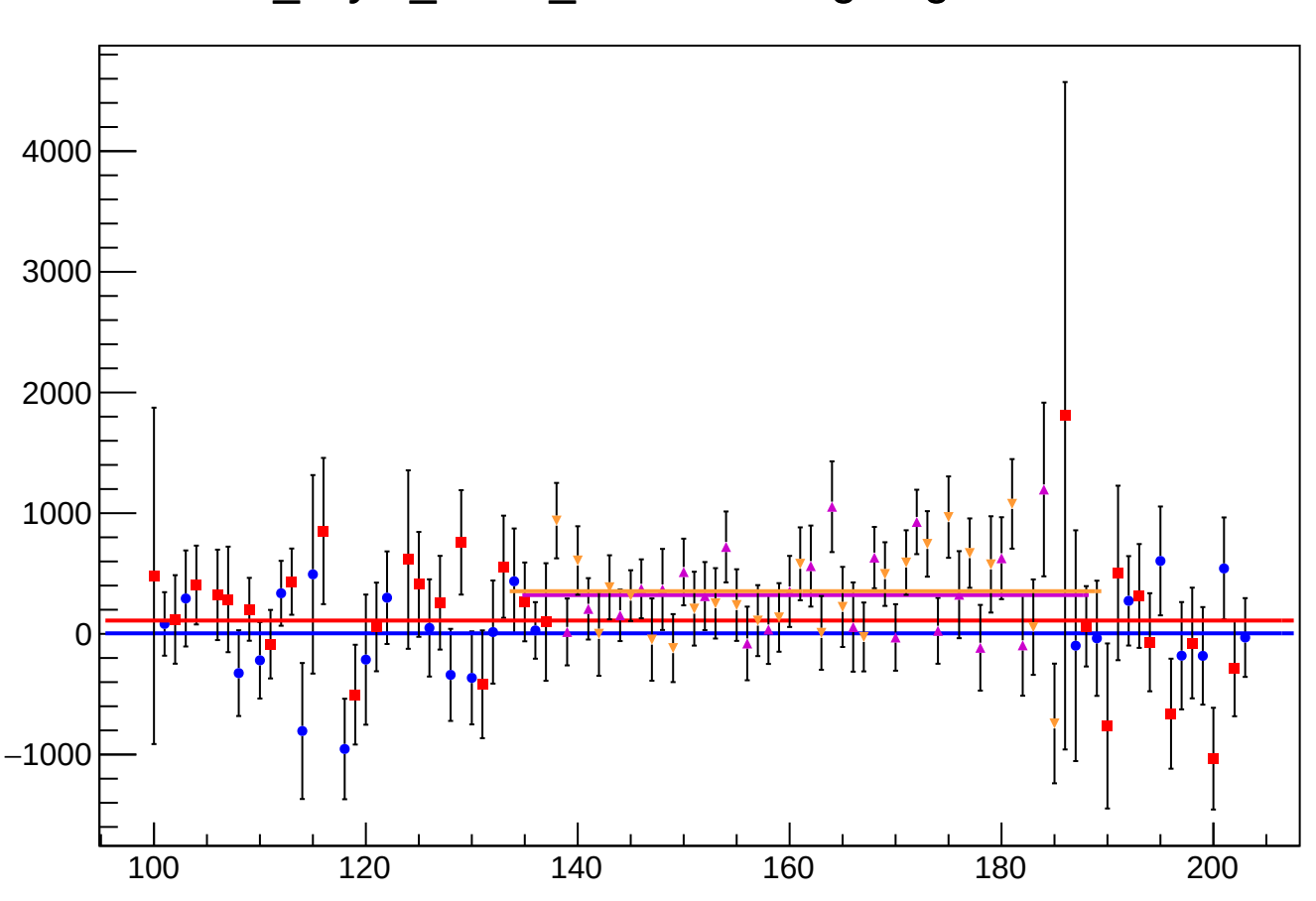
Left: 2003.210+/-0.234 χ^2/NDF: 1597645.7/47

Right: 2858.428+/-0.419 χ^2/NDF: 8523895.1/52

In: 2212.092+/-0.293 χ^2/NDF:5818123.6/46

Out: 2201.367+/-0.284 χ^2/NDF:7482296.4/53

All: 2206.561+/-0.204 χ^2/NDF: 13301109.2/



Right In: 4.367+/-77.703 χ^2/NDF: 19.0/23

Left Out: 353.640+/-60.149 χ^2/NDF:32.3/24

Right Out: 110.349+/-75.460 χ^2/NDF: 27.3/28

Left In: 321.514+/-62.113 χ^2/NDF:26.2/22

Left: 338.093+/-43.209 χ^2/NDF: 58.7/47

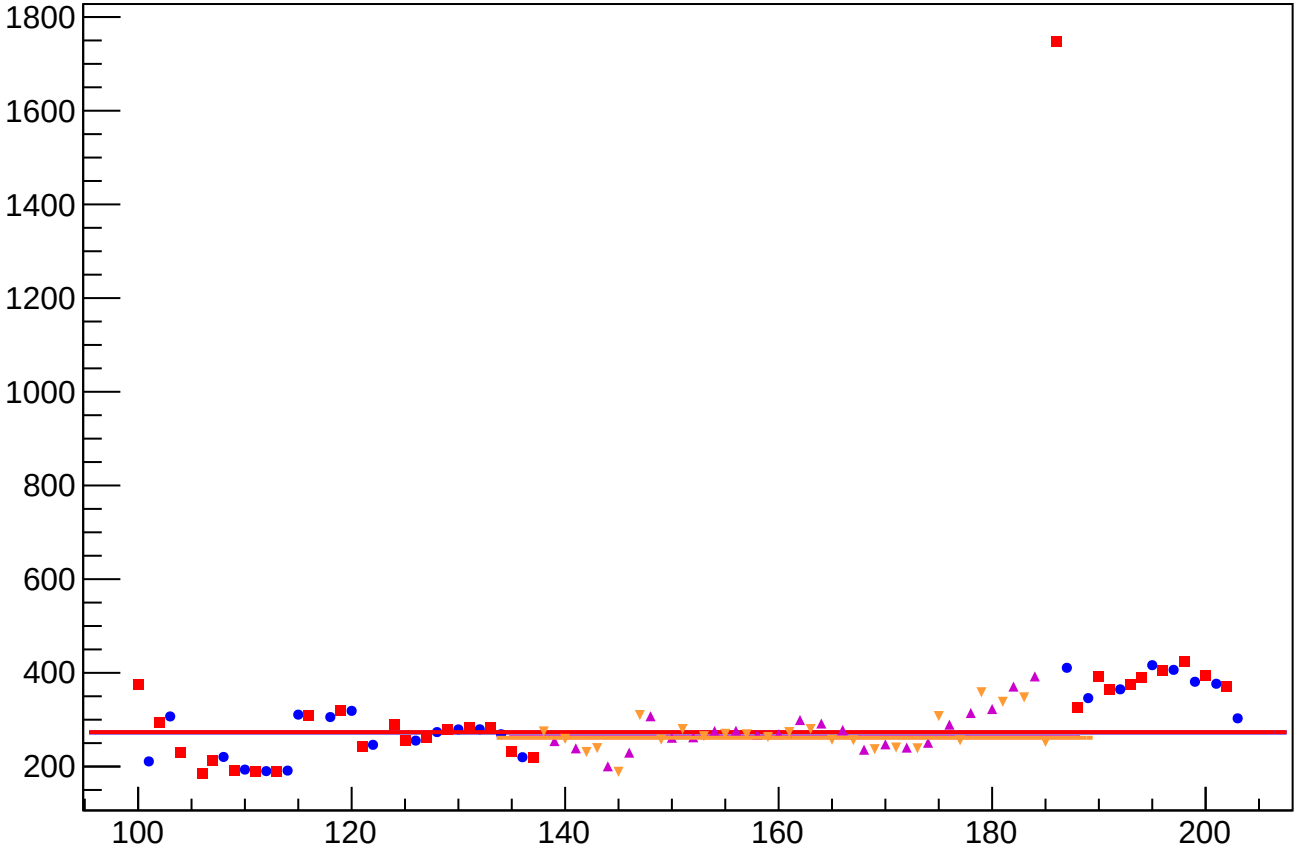
Right: 58.910+/-54.134 χ^2/NDF: 47.3/52

In: 197.870+/-48.517 χ^2/NDF:55.4/46

Out: 259.117+/-47.035 χ^2/NDF:66.0/53

All: 229.444+/-33.771 χ^2/NDF: 122.2/100

cor_asym_sam4_rms vs Slug, Sign Corrected



Right In: 272.735+/-0.055 χ^2/NDF: 1548287.7/23

Left Out: 261.470+/-0.043 χ^2/NDF:715467.9/24

Right Out: 273.401+/-0.053 χ^2/NDF: 2525832.3/28

Left In: 262.616+/-0.044 χ^2/NDF:670646.4/22

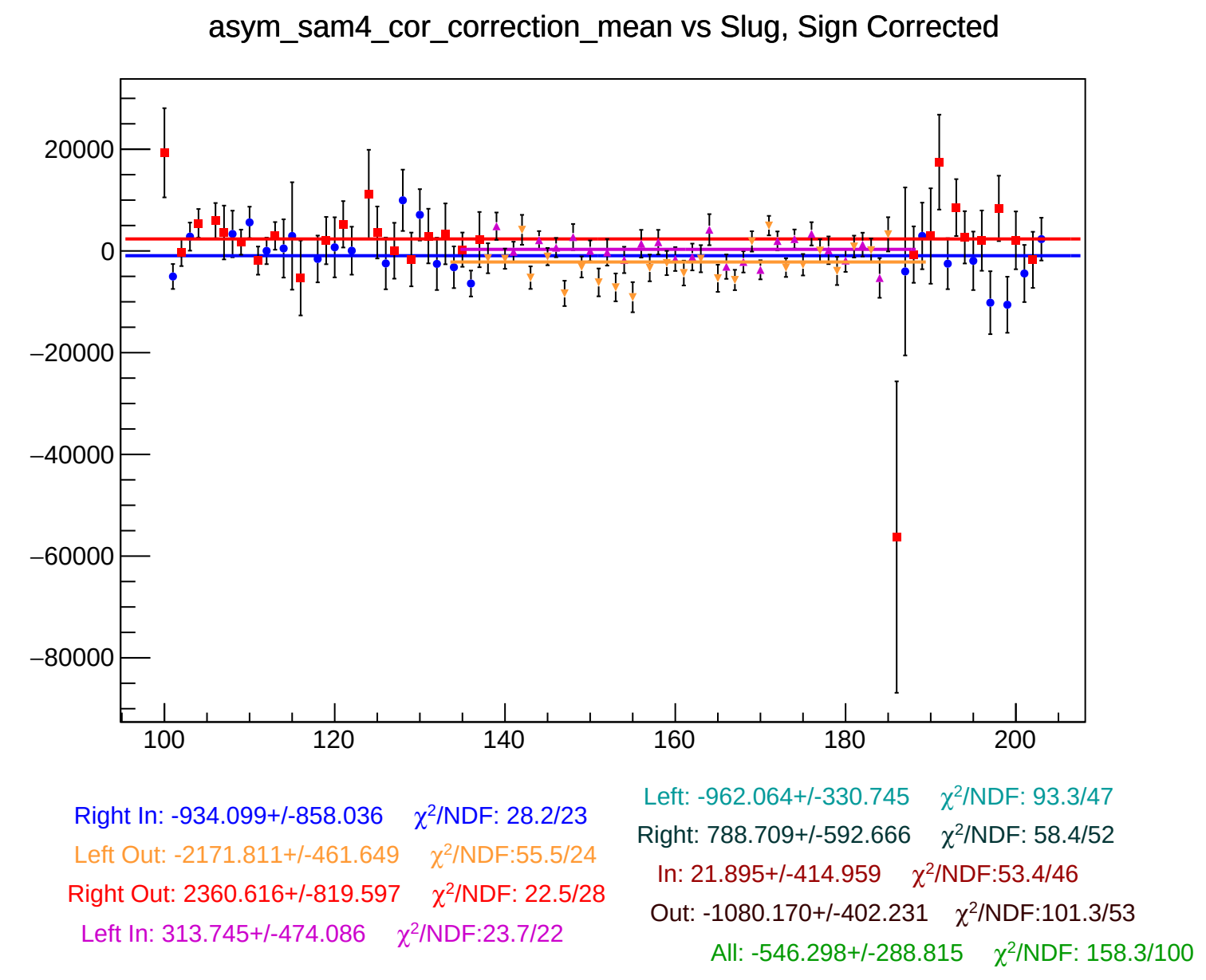
Left: 262.024+/-0.031 χ^2/NDF: 1386465.9/47

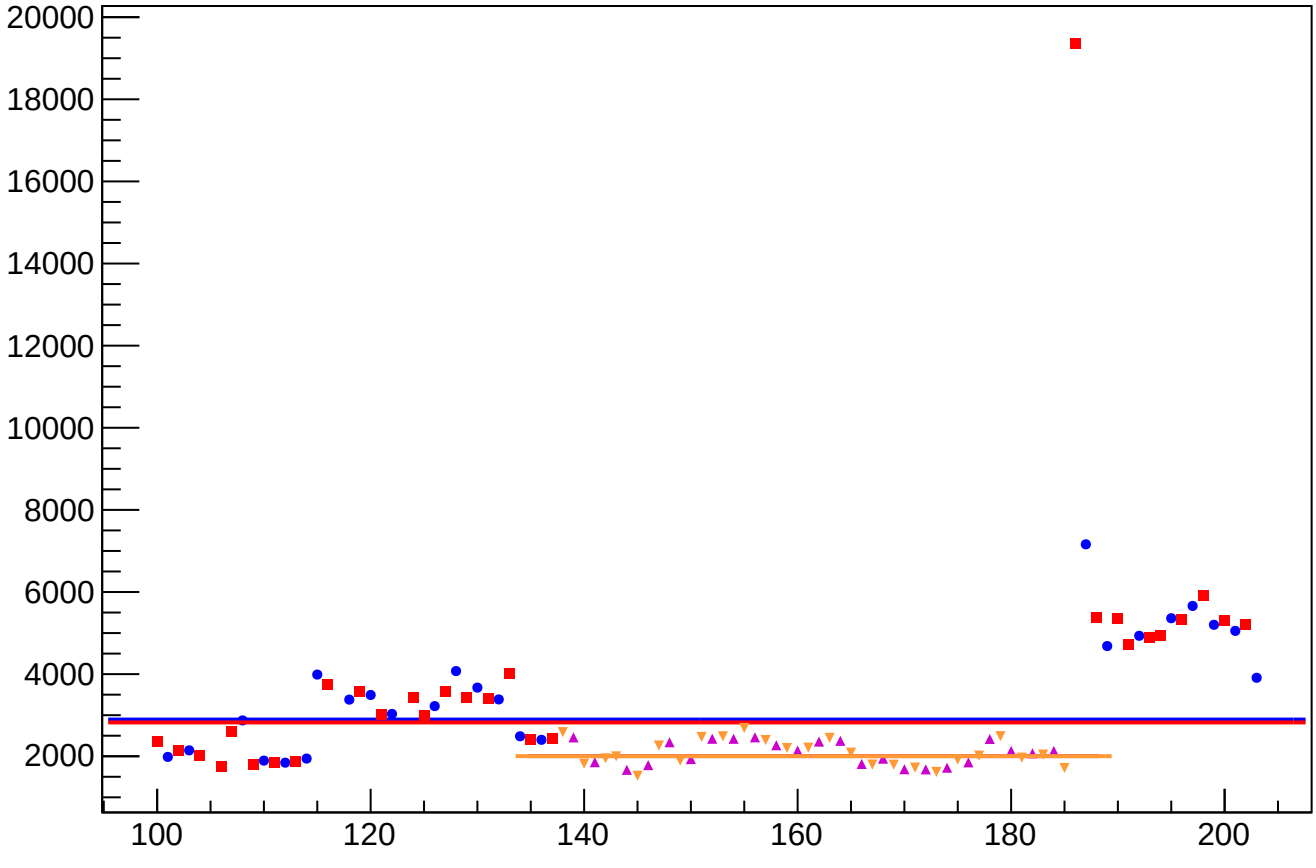
Right: 273.078+/-0.038 χ^2/NDF: 4074195.8/52

In: 266.561+/-0.034 χ^2/NDF:2239626.4/46

Out: 266.105+/-0.033 χ^2/NDF:3271876.4/53

All: 266.326+/-0.024 χ^2/NDF: 5511593.7/100


asym_sam4_cor_correction_mean vs Slug, Sign Corrected
20000
0
−20000
−40000
−60000
−80000
100
120
140
160
180
200
Right In: -934.099+/-858.036 χ²/NDF: 28.2/23
Left Out: -2171.811+/-461.649 χ²/NDF:55.5/24
Right Out: 2360.616+/-819.597 χ²/NDF: 22.5/28
Left In: 313.745+/-474.086 χ²/NDF:23.7/22
Left: -962.064+/-330.745 χ²/NDF: 93.3/47
Right: 788.709+/-592.666 χ²/NDF: 58.4/52
In: 21.895+/-414.959 χ²/NDF:53.4/46
Out: -1080.170+/-402.231 χ²/NDF:101.3/53
All: -546.298+/-288.815 χ²/NDF: 158.3/100



Right In: 2892.948+/-0.607 χ^2/NDF: 3469477.0/23

Left Out: 2002.229+/-0.326 χ^2/NDF:892706.8/24

Right Out: 2823.976+/-0.580 χ^2/NDF: 5077110.5/28

Left In: 2004.244+/-0.335 χ^2/NDF:704920.5/22

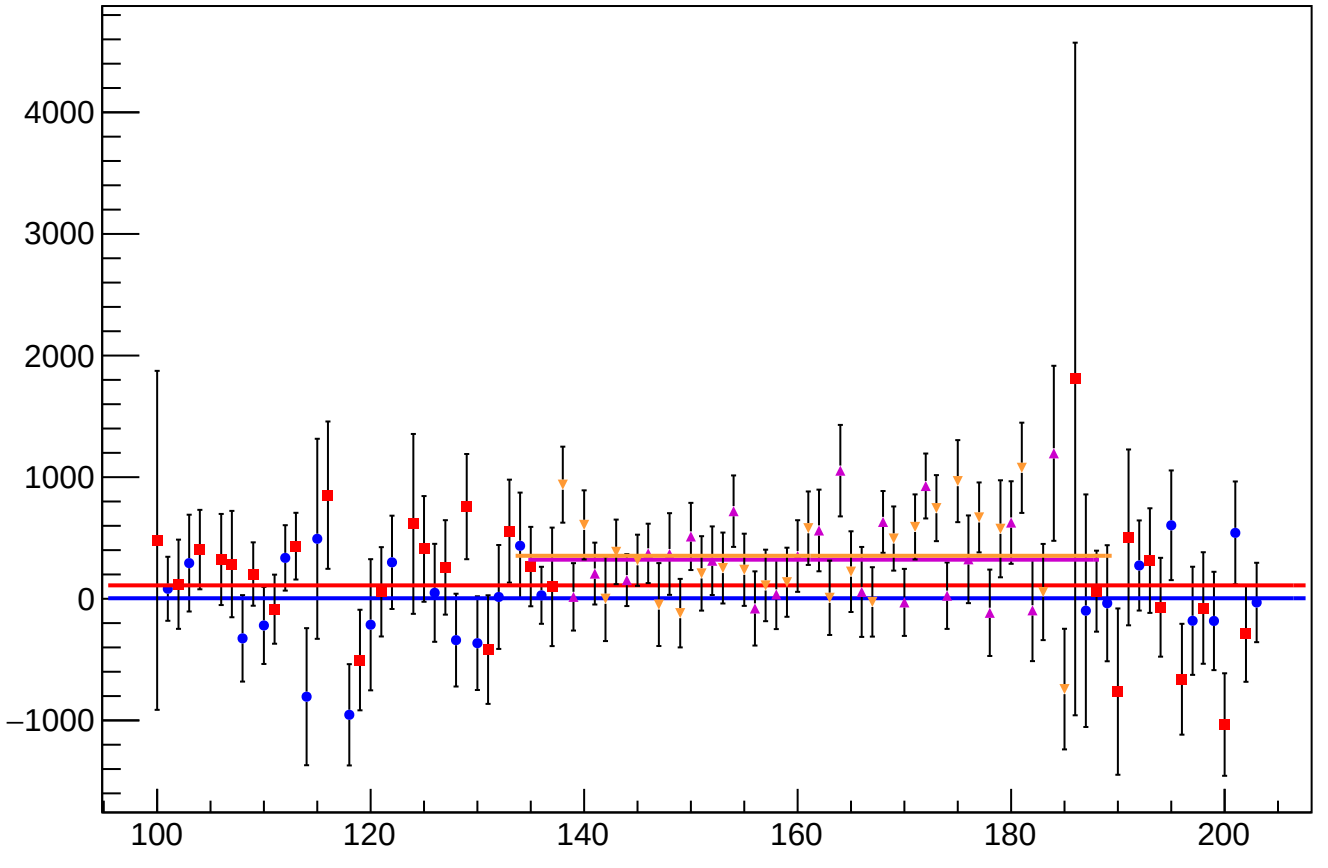
Left: 2003.210+/-0.234 χ^2/NDF: 1597645.9/47

Right: 2856.882+/-0.419 χ^2/NDF: 8553344.9/52

In: 2212.097+/-0.293 χ^2/NDF:5818117.2/46

Out: 2200.148+/-0.284 χ^2/NDF:7496089.9/53

All: 2205.936+/-0.204 χ^2/NDF: 13315062.1/1



Right In: 4.367+/-77.703 χ^2/NDF: 19.0/23

Left Out: 353.640+/-60.149 χ^2/NDF:32.3/24

Right Out: 110.349+/-75.460 χ^2/NDF: 27.3/28

Left In: 321.514+/-62.113 χ^2/NDF:26.2/22

Left: 338.093+/-43.209 χ^2/NDF: 58.7/47

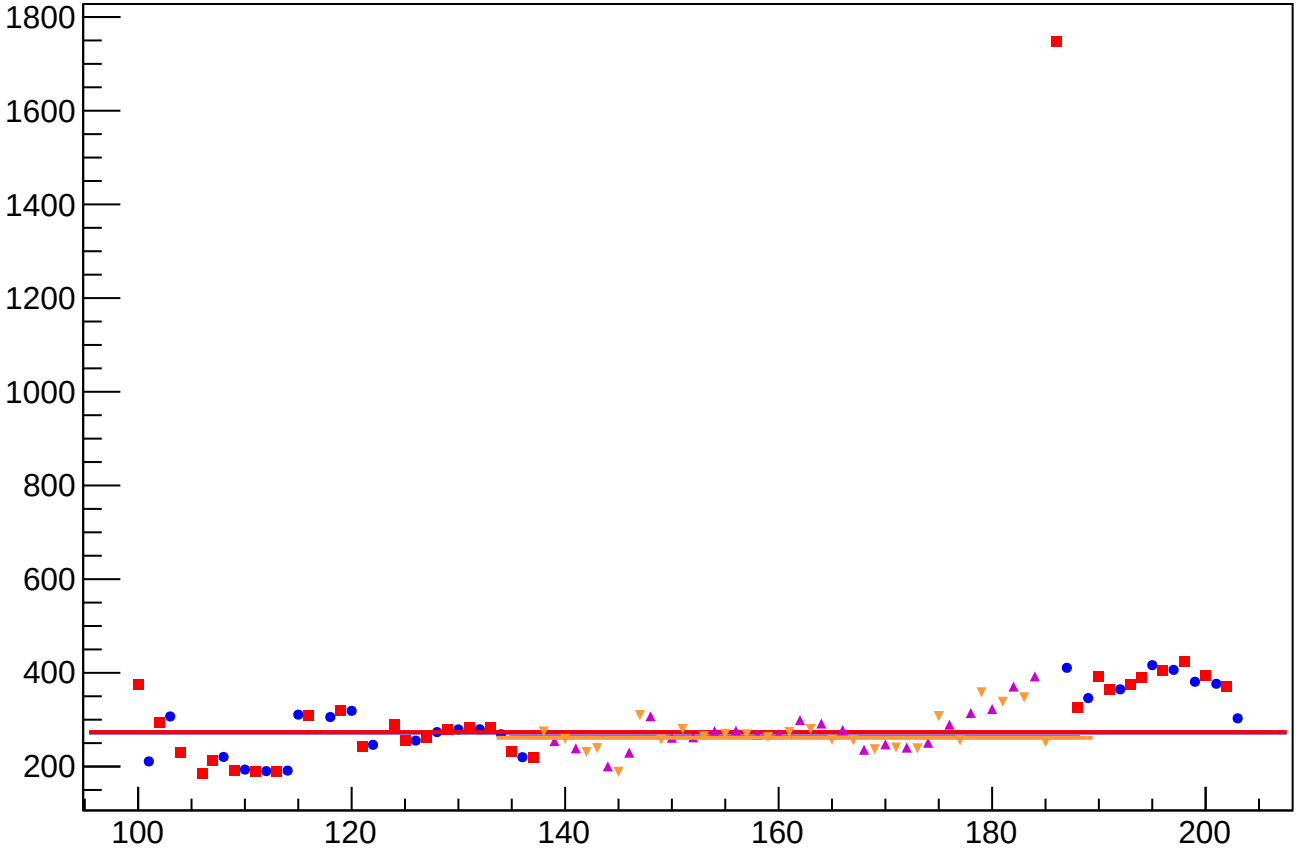
Right: 58.910+/-54.134 χ^2/NDF: 47.3/52

In: 197.870+/-48.517 χ^2/NDF:55.4/46

Out: 259.117+/-47.035 χ^2/NDF:66.0/53

All: 229.444+/-33.771 χ^2/NDF: 122.2/100

eigen_cor_asym_sam4_rms vs Slug, Sign Corrected



Right In: 272.735+/-0.055 χ^2/NDF: 1548287.7/23

Left Out: 261.470+/-0.043 χ^2/NDF:715467.9/24

Right Out: 273.401+/-0.053 χ^2/NDF: 2525832.3/28

Left In: 262.616+/-0.044 χ^2/NDF:670646.4/22

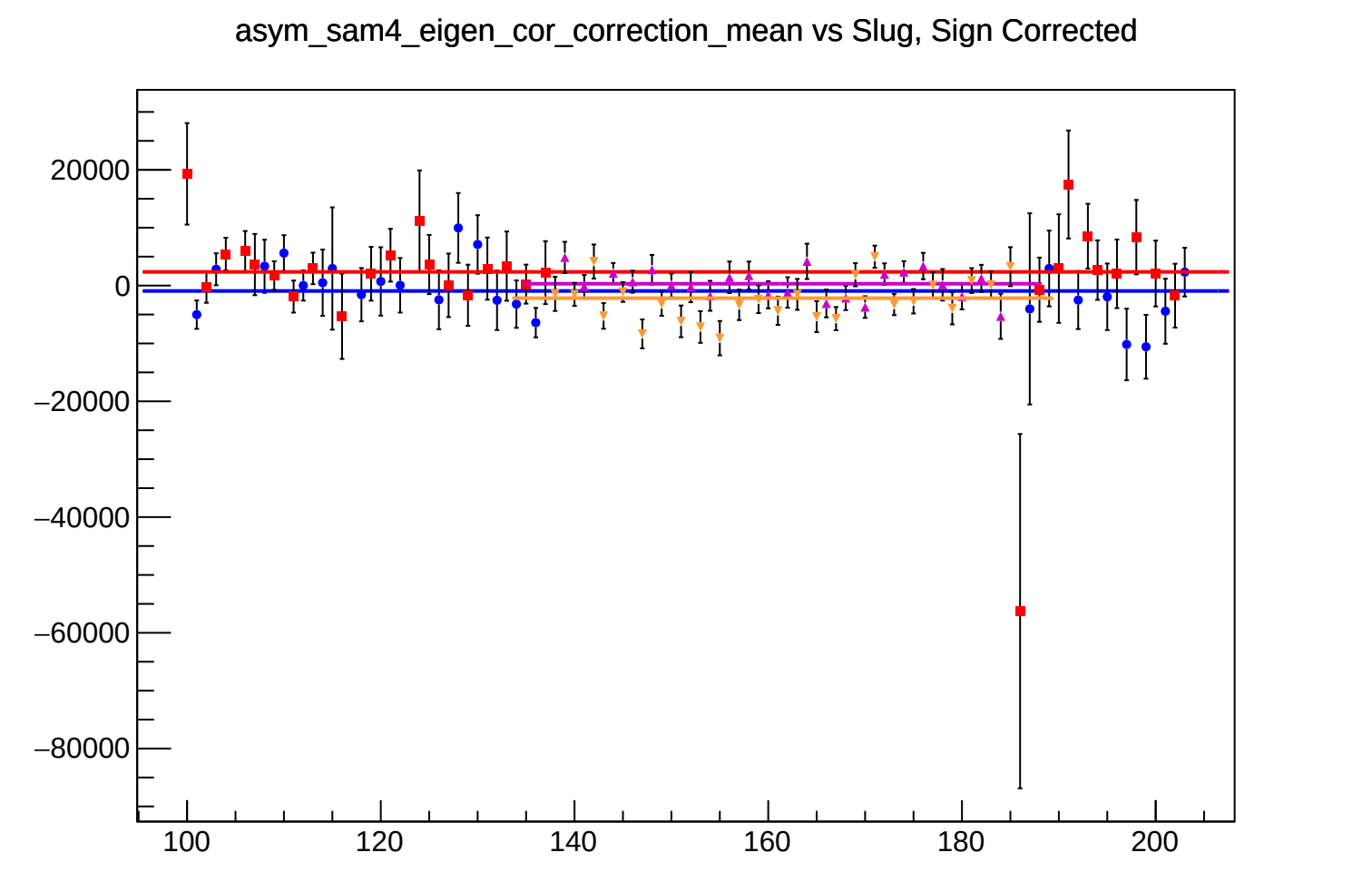
Left: 262.024+/-0.031 χ^2/NDF: 1386465.9/47

Right: 273.078+/-0.038 χ^2/NDF: 4074195.8/52

In: 266.561+/-0.034 χ^2/NDF:2239626.4/46

Out: 266.105+/-0.033 χ^2/NDF:3271876.4/53

All: 266.326+/-0.024 χ^2/NDF: 5511593.7/100



Right In: -934.099+/-858.036 χ^2/NDF: 28.2/23

Left Out: -2171.811+/-461.649 χ^2/NDF:55.5/24

Right Out: 2360.616+/-819.597 χ^2/NDF: 22.5/28

Left In: 313.745+/-474.086 χ^2/NDF:23.7/22

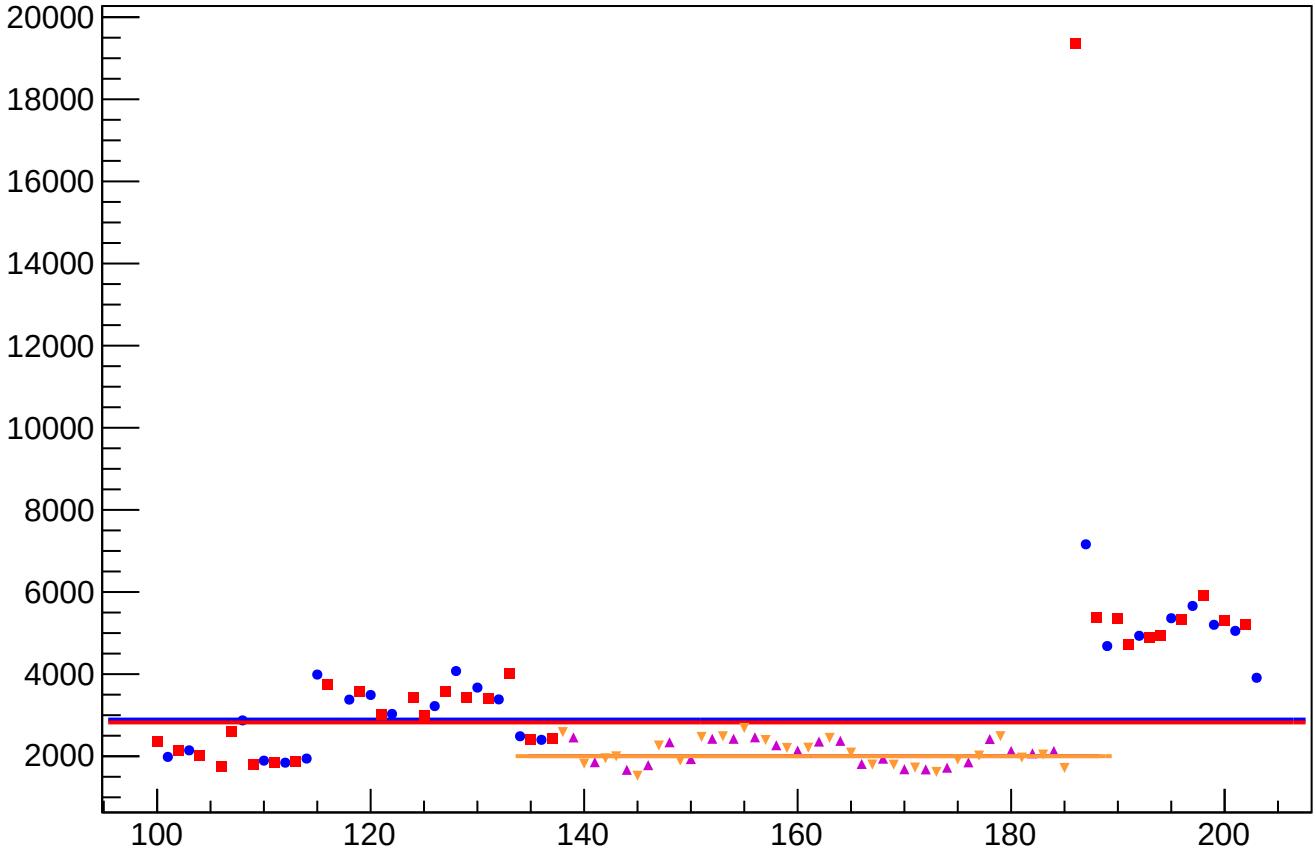
Left: -962.064+/-330.745 χ^2/NDF: 93.3/47

Right: 788.709+/-592.666 χ^2/NDF: 58.4/52

In: 21.895+/-414.959 χ^2/NDF:53.4/46

Out: -1080.170+/-402.231 χ^2/NDF:101.3/53

All: -546.298+/-288.815 χ^2/NDF: 158.3/100



Right In: 2892.948+/-0.607 χ^2/NDF: 3469477.0/23

Left Out: 2002.229+/-0.326 χ^2/NDF:892706.8/24

Right Out: 2823.976+/-0.580 χ^2/NDF: 5077110.5/28

Left In: 2004.244+/-0.335 χ^2/NDF:704920.5/22

Left: 2003.210+/-0.234 χ^2/NDF: 1597645.9/47

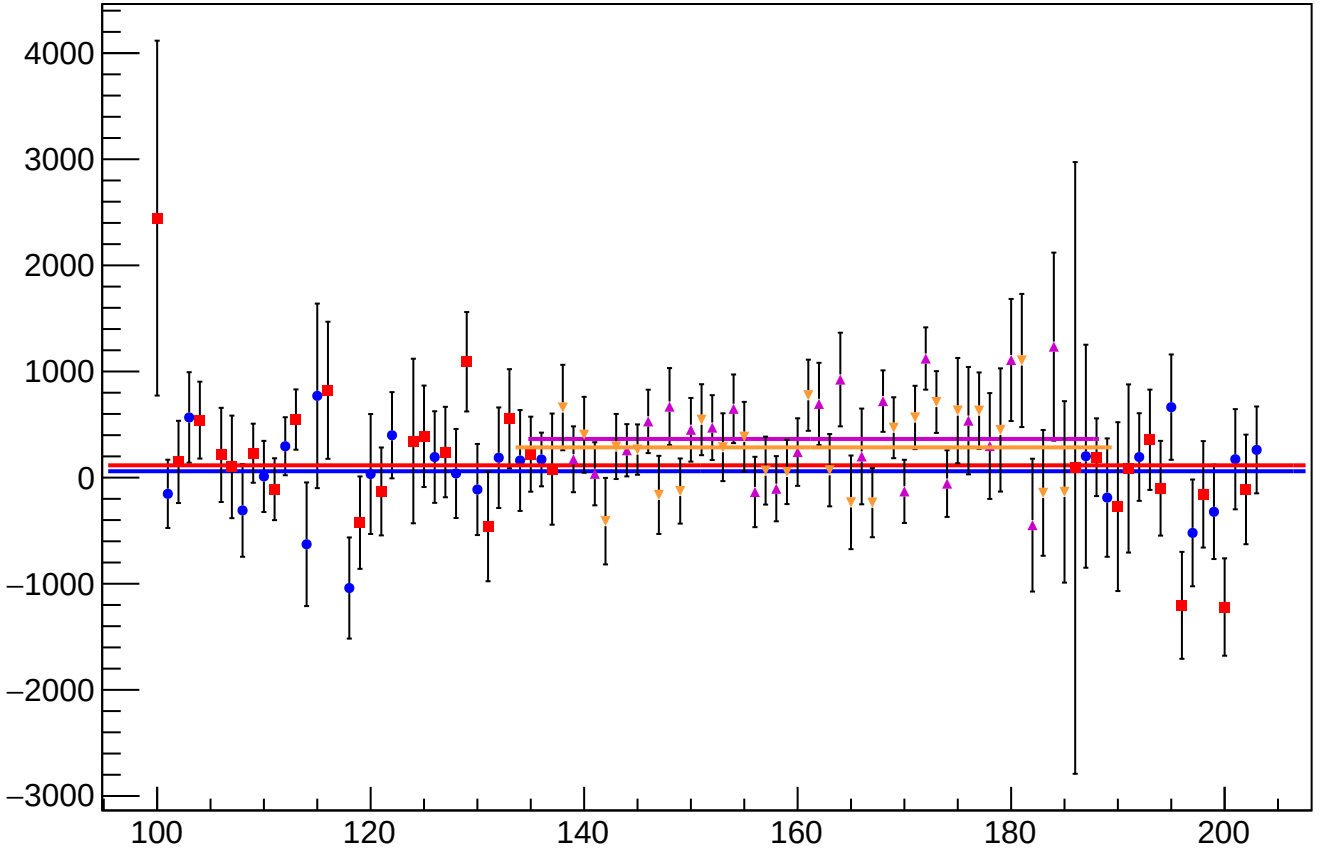
Right: 2856.882+/-0.419 χ^2/NDF: 8553344.9/52

In: 2212.097+/-0.293 χ^2/NDF:5818117.2/46

Out: 2200.148+/-0.284 χ^2/NDF:7496089.9/53

All: 2205.936+/-0.204 χ^2/NDF: 13315062.1/1

dit_asym_sam4_mean vs Slug, Sign Corrected



Right In: 60.151+/-86.043 χ^2/NDF: 16.2/23

Left Out: 284.913+/-70.036 χ^2/NDF:22.8/24

Right Out: 115.804+/-82.388 χ^2/NDF: 33.2/28

Left In: 364.163+/-71.714 χ^2/NDF:28.2/22

Left: 323.600+/-50.106 χ^2/NDF: 51.7/47

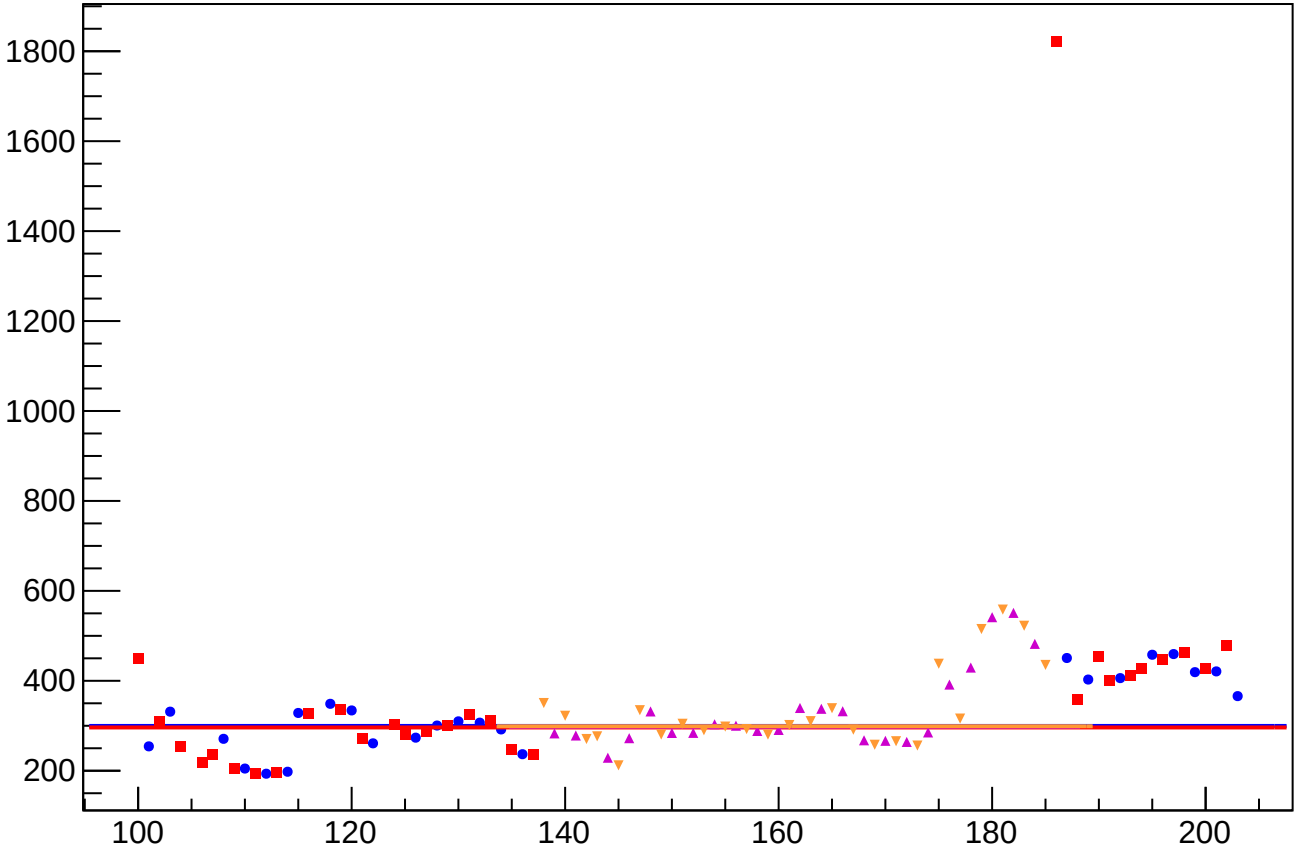
Right: 89.184+/-59.507 χ^2/NDF: 49.6/52

In: 239.544+/-55.088 χ^2/NDF:51.7/46

Out: 213.973+/-53.361 χ^2/NDF:58.5/53

All: 226.352+/-38.328 χ^2/NDF: 110.3/100

dit_asym_sam4_rms vs Slug, Sign Corrected



Right In: 299.616+/-0.061 χ^2/NDF: 1741675.9/23

Left Out: 298.938+/-0.050 χ^2/NDF:1613077.3/24

Right Out: 296.267+/-0.058 χ^2/NDF: 2798273.6/28

Left In: 297.885+/-0.051 χ^2/NDF:1319062.0/22

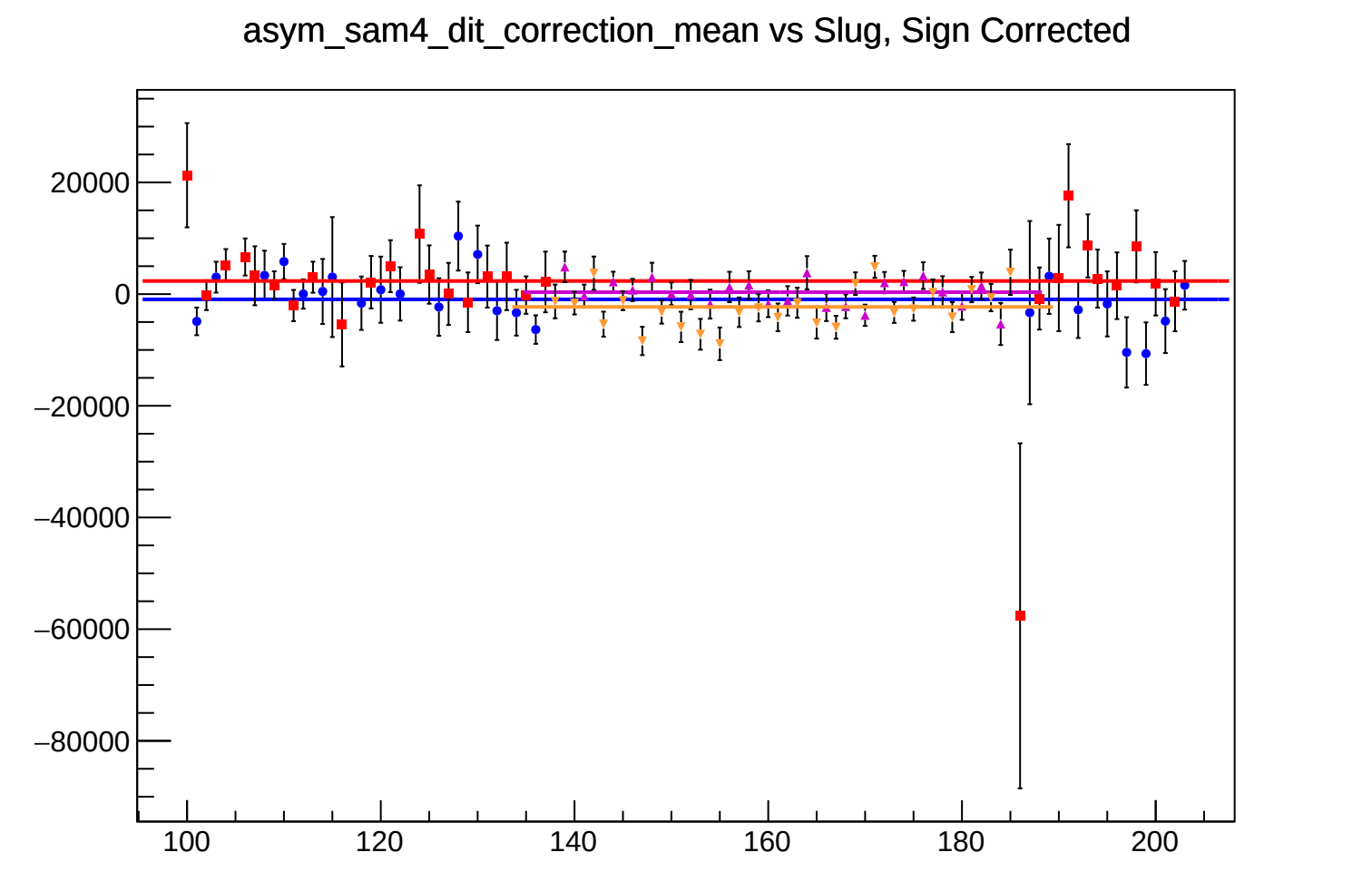
Left: 298.424+/-0.035 χ^2/NDF: 2932359.8/47

Right: 297.869+/-0.042 χ^2/NDF: 4541530.1/52

In: 298.595+/-0.039 χ^2/NDF:3061215.2/46

Out: 297.817+/-0.038 χ^2/NDF:4412571.4/53

All: 298.194+/-0.027 χ^2/NDF: 7473991.9/100



Right In: -939.619+/-866.827 χ^2/NDF: 28.1/23

Left Out: -2290.992+/-470.518 χ^2/NDF:51.7/24

Right Out: 2348.520+/-823.640 χ^2/NDF: 23.5/28

Left In: 342.609+/-483.605 χ^2/NDF:22.8/22

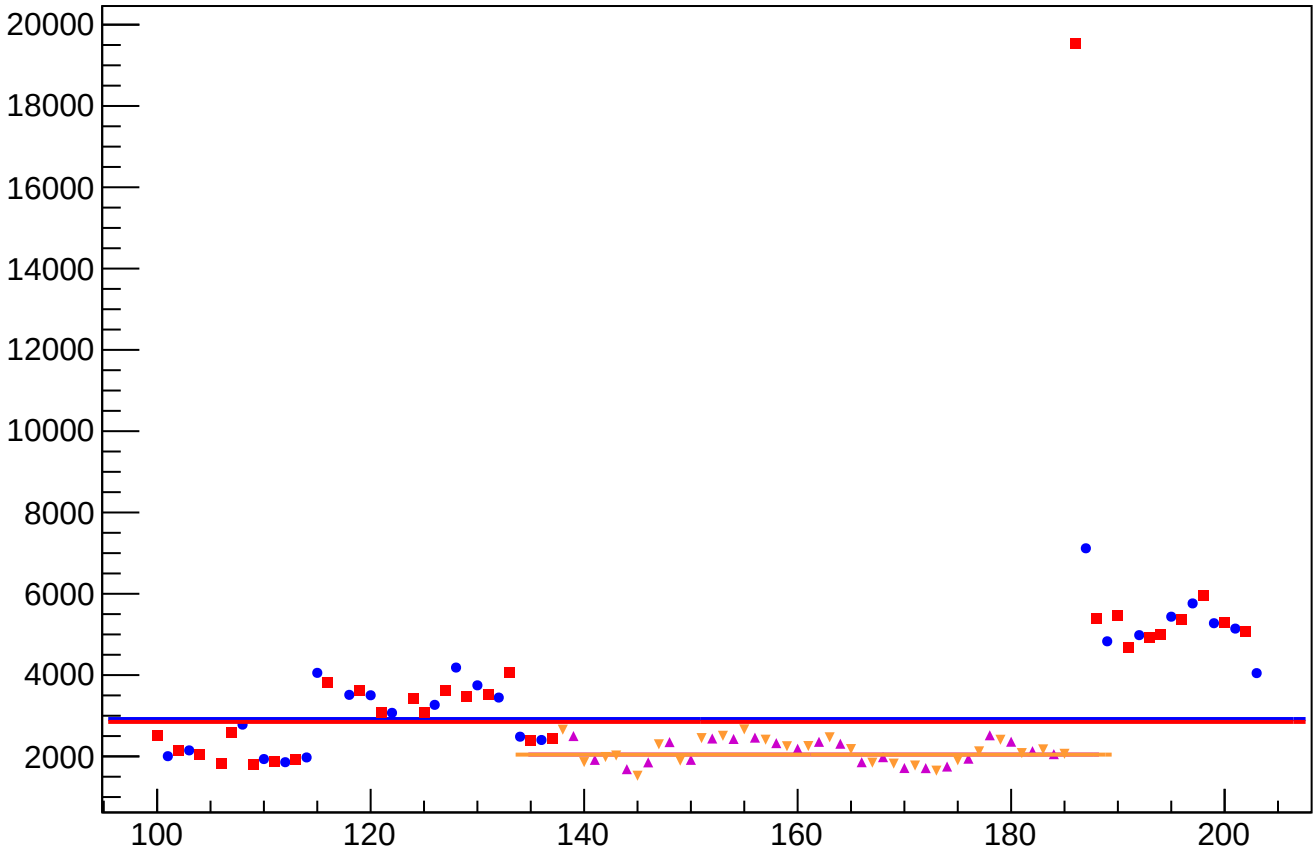
Left: -1010.309+/-337.238 χ^2/NDF: 89.7/47

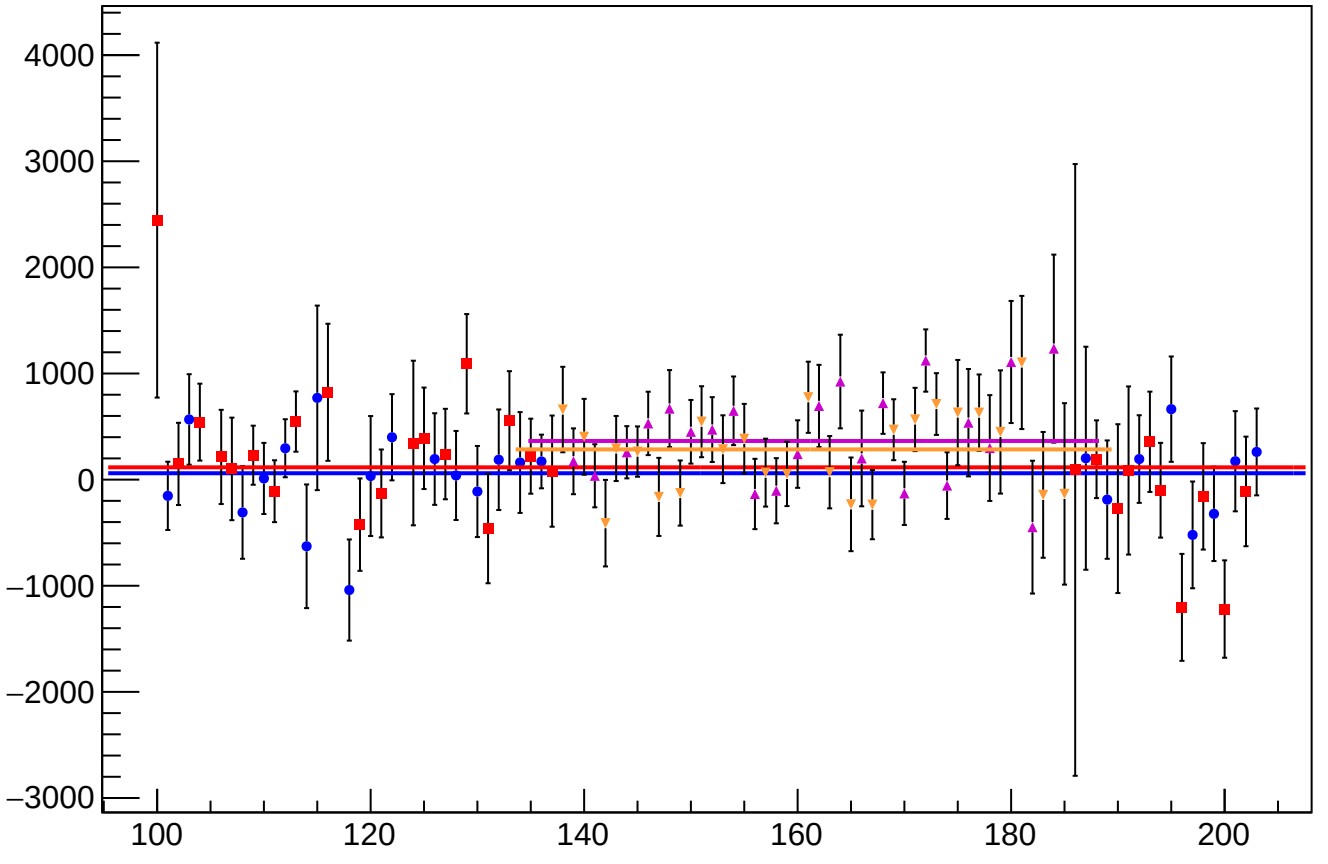
Right: 788.398+/-597.086 χ^2/NDF: 59.2/52

In: 38.244+/-422.325 χ^2/NDF:52.6/46

Out: -1149.449+/-408.552 χ^2/NDF:99.1/53

All: -575.285+/-293.639 χ^2/NDF: 155.8/100


asym_sam4_dit_correction_rms vs Slug, Sign Corrected
20000
18000
16000
14000
12000
10000
8000
6000
4000
2000
100
120
140
160
180
200
Right In: 2918.996+/-0.613 χ²/NDF: 3547784.4/23
Left Out: 2043.746+/-0.333 χ²/NDF:853391.4/24
Right Out: 2848.378+/-0.582 χ²/NDF: 5032119.0/28
Left In: 2045.178+/-0.342 χ²/NDF:690219.7/22
Left: 2044.442+/-0.238 χ²/NDF: 1543620.1/47
Right: 2881.884+/-0.422 χ²/NDF: 8586879.1/52
In: 2252.598+/-0.299 χ²/NDF:5787960.9/46
Out: 2241.724+/-0.289 χ²/NDF:7324620.1/53
All: 2246.981+/-0.208 χ²/NDF: 13113265.9/1



Right In: 60.155+/-86.043 χ^2/NDF: 16.2/23

Left Out: 284.918+/-70.036 χ^2/NDF:22.8/24

Right Out: 115.803+/-82.388 χ^2/NDF: 33.2/28

Left In: 364.164+/-71.714 χ^2/NDF:28.2/22

Left: 323.603+/-50.106 χ^2/NDF: 51.7/47

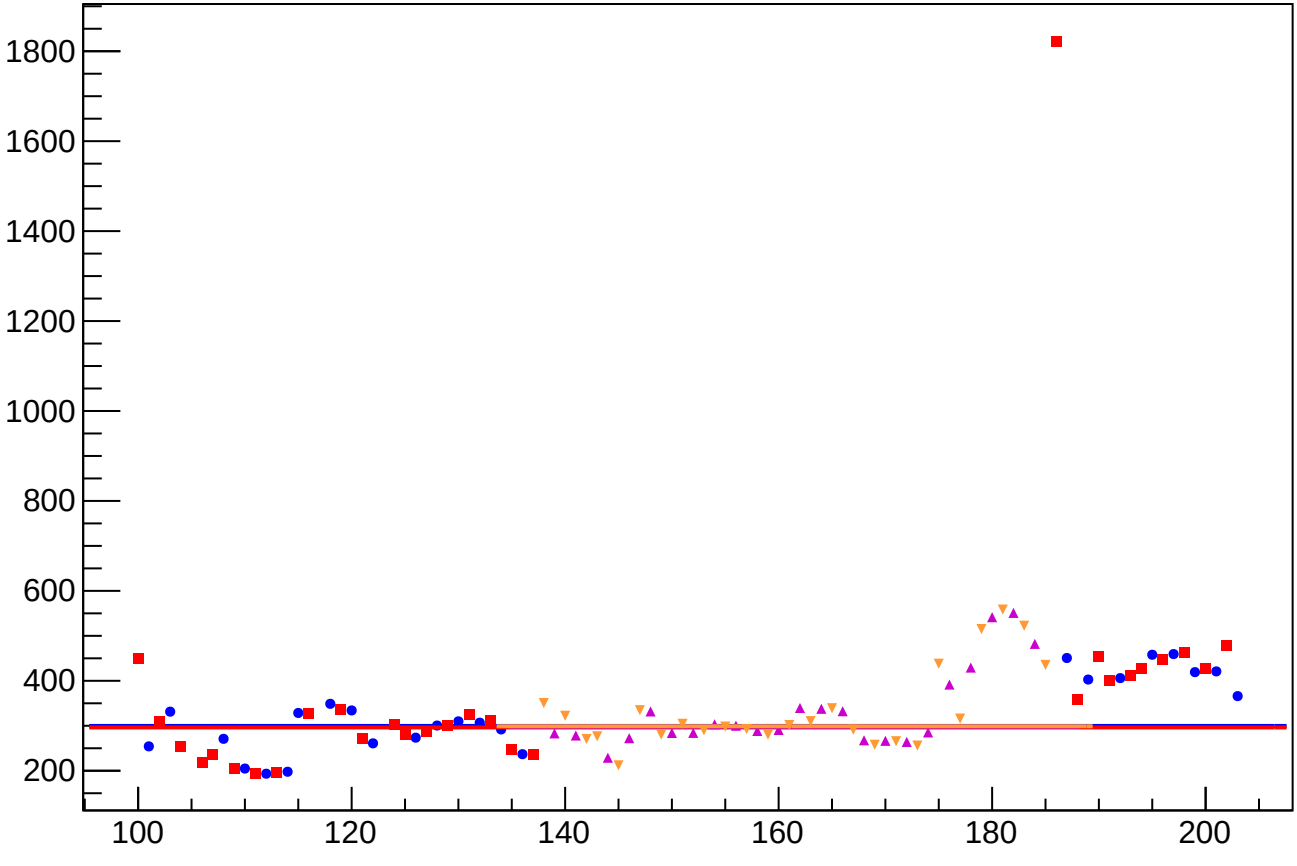
Right: 89.186+/-59.507 χ^2/NDF: 49.6/52

In: 239.546+/-55.088 χ^2/NDF:51.7/46

Out: 213.975+/-53.361 χ^2/NDF:58.5/53

All: 226.354+/-38.328 χ^2/NDF: 110.3/100

eigen_dit_asym_sam4_rms vs Slug, Sign Corrected



Right In: 299.616+/-0.061 χ^2/NDF: 1741662.9/23

Left Out: 298.938+/-0.050 χ^2/NDF:1613074.5/24

Right Out: 296.267+/-0.058 χ^2/NDF: 2798279.6/28

Left In: 297.885+/-0.051 χ^2/NDF:1319043.7/22

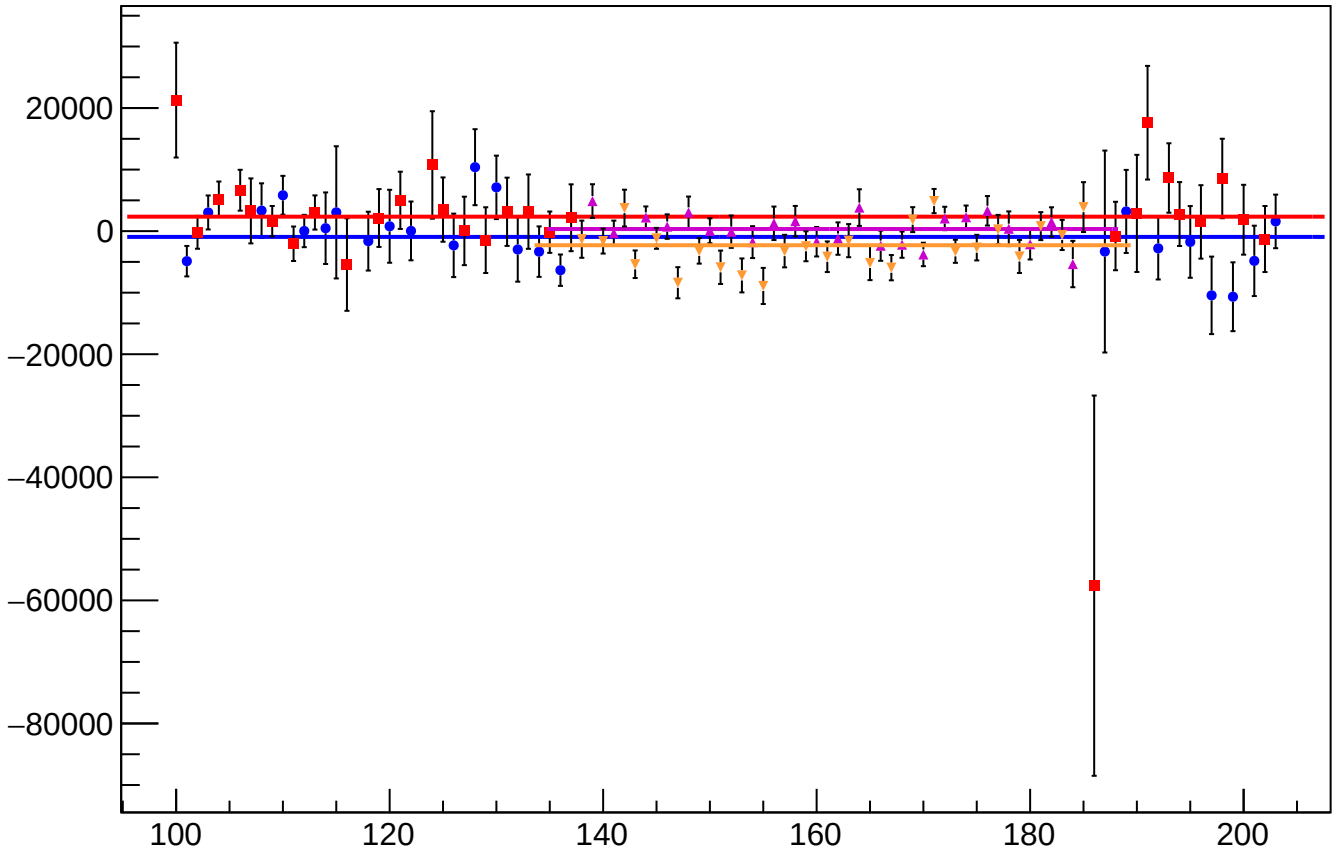
Left: 298.424+/-0.035 χ^2/NDF: 2932338.7/47

Right: 297.868+/-0.042 χ^2/NDF: 4541523.0/52

In: 298.595+/-0.039 χ^2/NDF:3061183.7/46

Out: 297.818+/-0.038 χ^2/NDF:4412574.8/53

All: 298.194+/-0.027 χ^2/NDF: 7473963.8/100



Right In: -939.618+/-866.826 χ^2/NDF: 28.1/23

Left Out: -2290.986+/-470.517 χ^2/NDF:51.7/24

Right Out: 2348.518+/-823.640 χ^2/NDF: 23.5/28

Left In: 342.606+/-483.604 χ^2/NDF:22.8/22

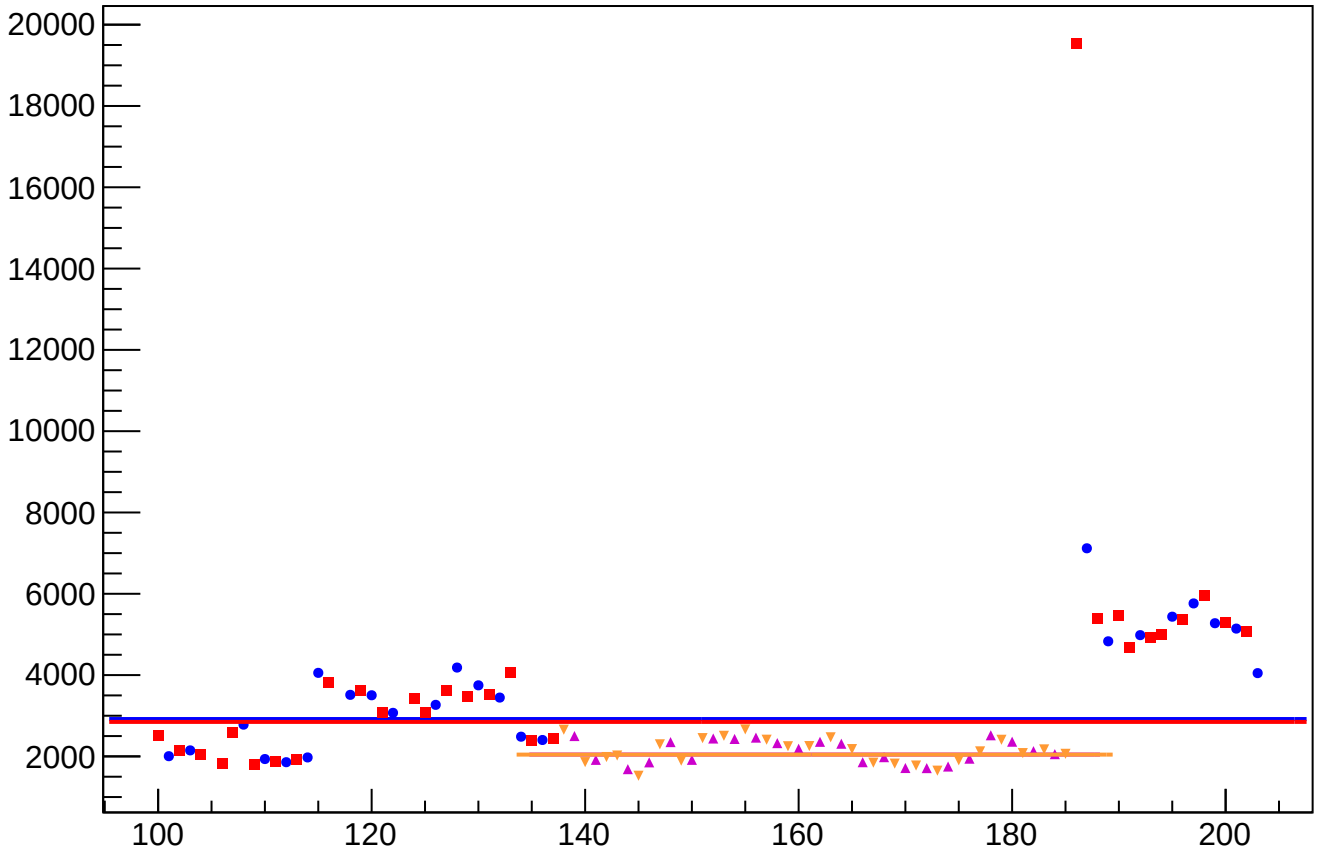
Left: -1010.308+/-337.238 χ^2/NDF: 89.7/47

Right: 788.398+/-597.085 χ^2/NDF: 59.2/52

In: 38.242+/-422.325 χ^2/NDF:52.6/46

Out: -1149.446+/-408.552 χ^2/NDF:99.1/53

All: -575.284+/-293.638 χ^2/NDF: 155.8/100



Right In: 2918.994+/-0.613 χ^2/NDF: 3547782.1/23

Left Out: 2043.742+/-0.333 χ^2/NDF:853393.7/24

Right Out: 2848.376+/-0.582 χ^2/NDF: 5032114.9/28

Left In: 2045.175+/-0.342 χ^2/NDF:690218.2/22

Left: 2044.439+/-0.238 χ^2/NDF: 1543620.9/47

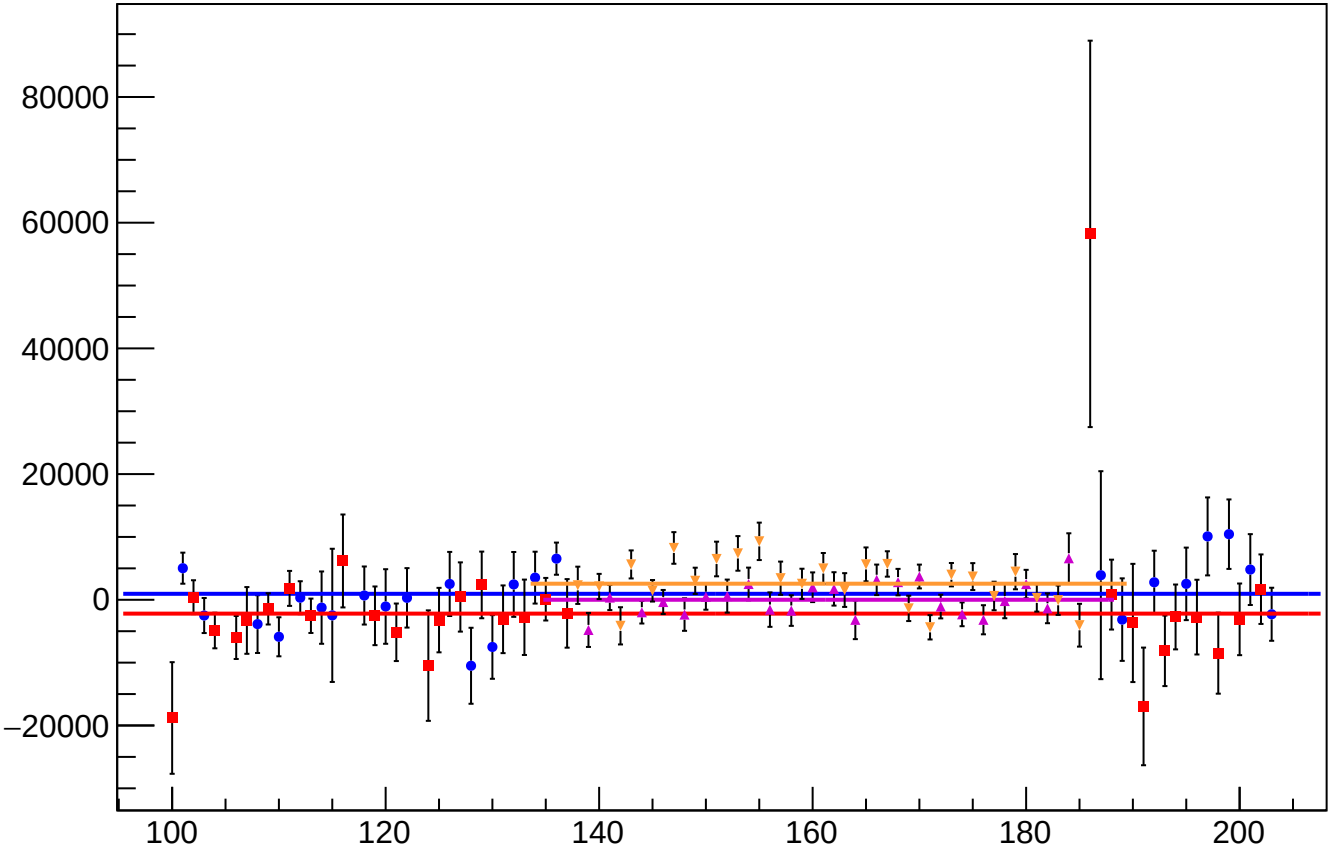
Right: 2881.882+/-0.422 χ^2/NDF: 8586872.7/52

In: 2252.595+/-0.299 χ^2/NDF:5787962.7/46

Out: 2241.721+/-0.289 χ^2/NDF:7324624.9/53

All: 2246.978+/-0.208 χ^2/NDF: 13113272.5/1

asym_sam4_mean vs Slug, Sign Corrected



Right In: 951.279+/-862.418 χ^2/NDF: 29.2/23

Left Out: 2559.048+/-465.944 χ^2/NDF:52.7/24

Right Out: -2201.917+/-822.915 χ^2/NDF: 22.2/28

Left In: 3.474+/-478.514 χ^2/NDF:24.7/22

Left: 1315.267+/-333.828 χ^2/NDF: 92.0/47

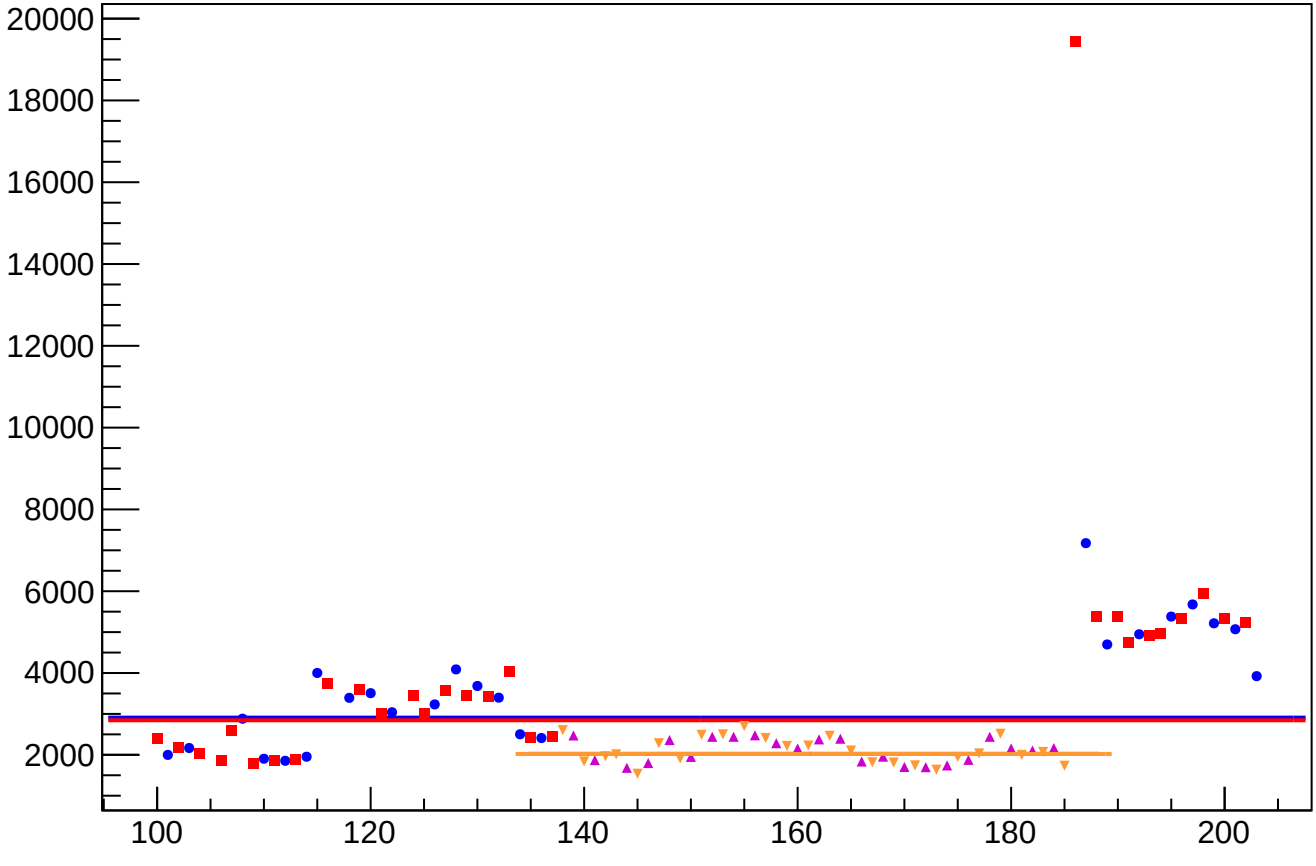
Right: -699.187+/-595.364 χ^2/NDF: 58.4/52

In: 226.580+/-418.421 χ^2/NDF:54.8/46

Out: 1403.248+/-405.461 χ^2/NDF:100.2/53

All: 833.419+/-291.178 χ^2/NDF: 159.1/100

asym_sam4_rms vs Slug, Sign Corrected



Right In: 2909.351+/-0.610 χ^2/NDF: 3444914.5/23

Left Out: 2021.266+/-0.329 χ^2/NDF:881370.9/24

Right Out: 2844.415+/-0.582 χ^2/NDF: 5016578.0/28

Left In: 2023.284+/-0.338 χ^2/NDF:696055.4/22

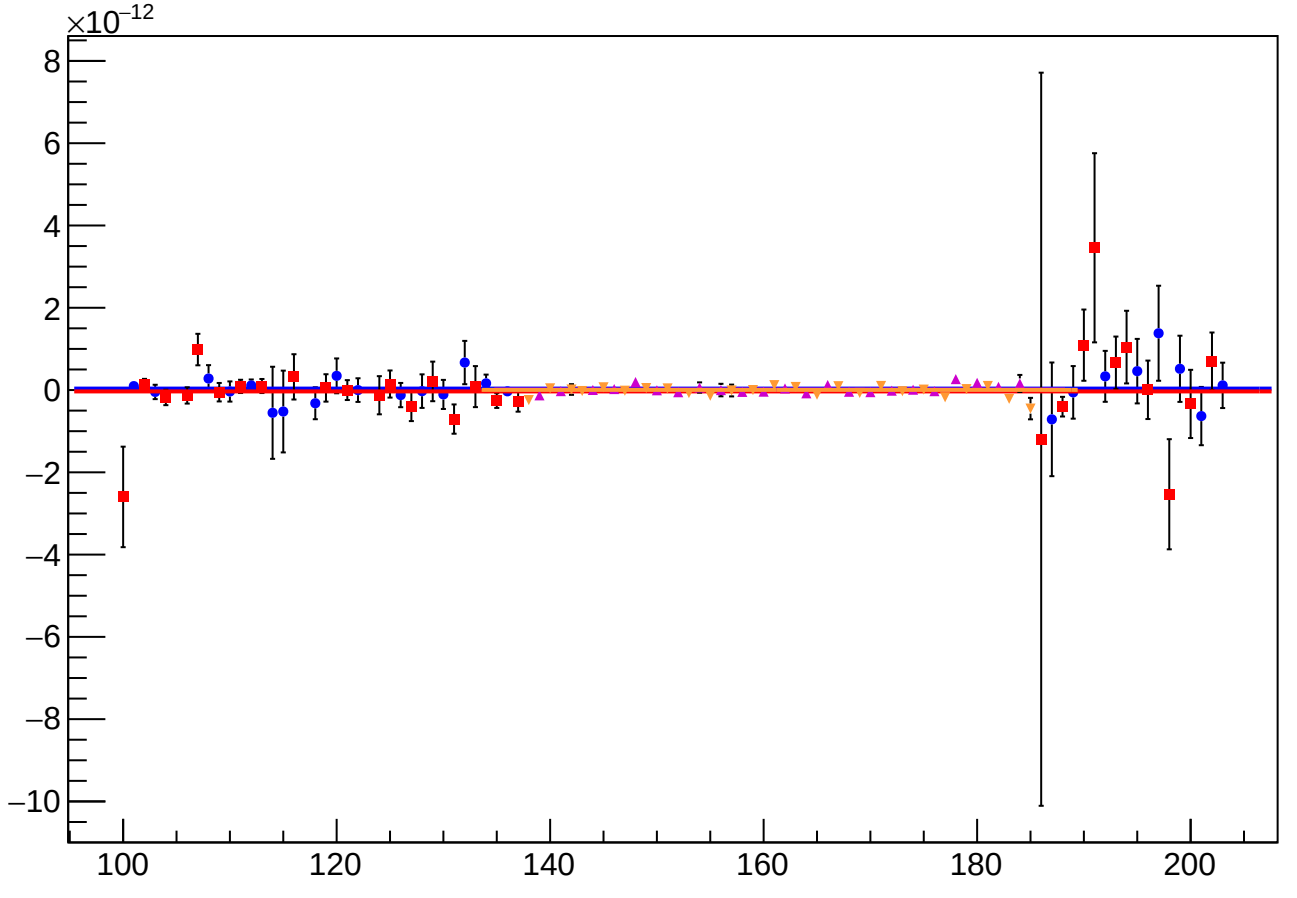
Left: 2022.248+/-0.236 χ^2/NDF: 1577444.6/47

Right: 2875.362+/-0.421 χ^2/NDF: 8467427.7/52

In: 2231.857+/-0.296 χ^2/NDF:5755206.5/46

Out: 2221.098+/-0.287 χ^2/NDF:7413276.7/53

All: 2226.309+/-0.206 χ^2/NDF: 13169165.1/1



Right In: 0.000+/-0.000 χ^2/NDF: 9.6/23

Left Out: 0.000+/-0.000 χ^2/NDF:32.1/24

Right Out: -0.000+/-0.000 χ^2/NDF: 37.0/28

Left In: 0.000+/-0.000 χ^2/NDF:20.8/22

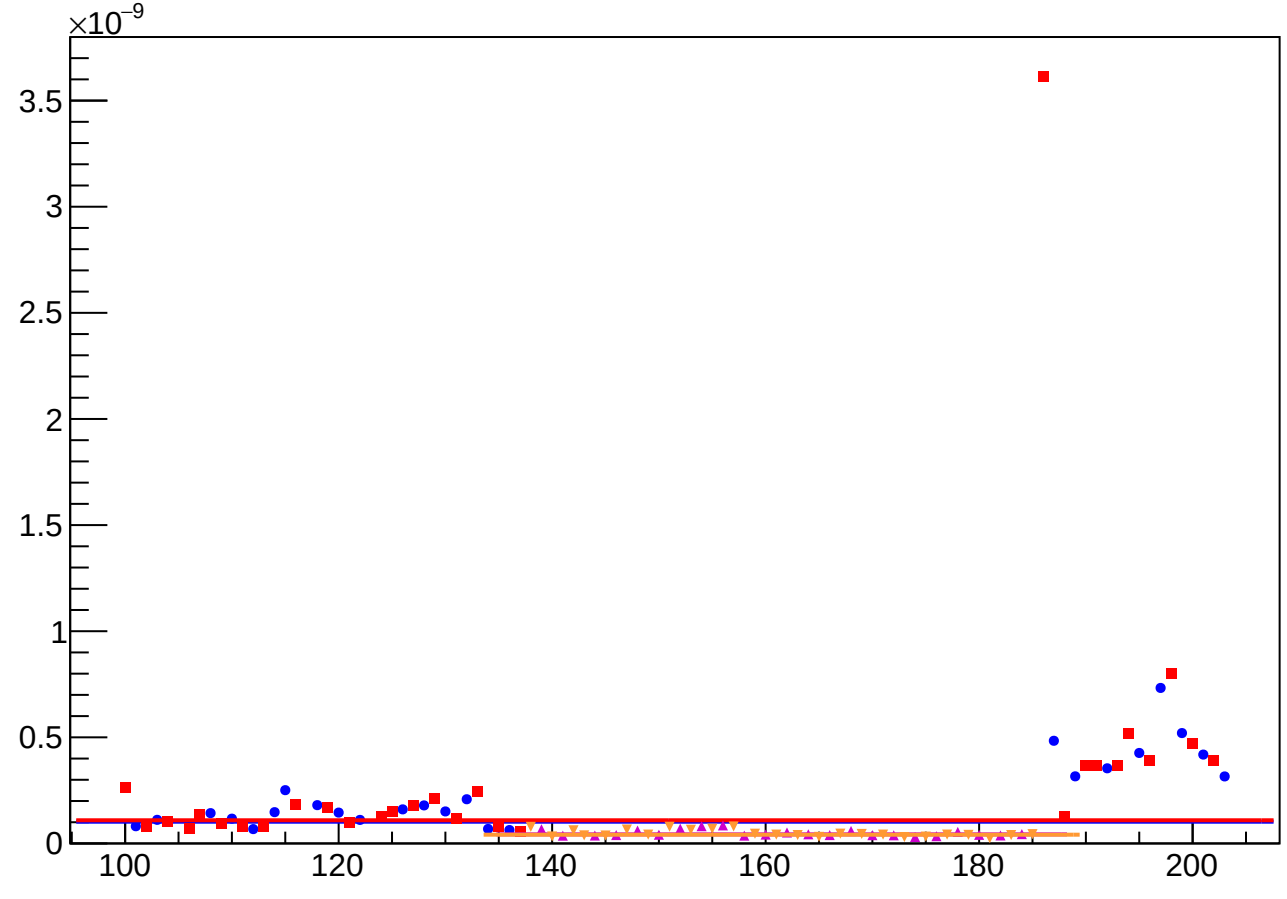
Left: 0.000+/-0.000 χ^2/NDF: 53.0/47

Right: 0.000+/-0.000 χ^2/NDF: 47.5/52

In: 0.000+/-0.000 χ^2/NDF:30.6/46

Out: 0.000+/-0.000 χ^2/NDF:69.5/53

All: 0.000+/-0.000 χ^2/NDF: 100.5/100



Right In: 0.000+/-0.000 χ^2/NDF: 3911859.1/23

Left Out: 0.000+/-0.000 χ^2/NDF:1235677.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 3775657.2/28

Left In: 0.000+/-0.000 χ^2/NDF:931395.8/22

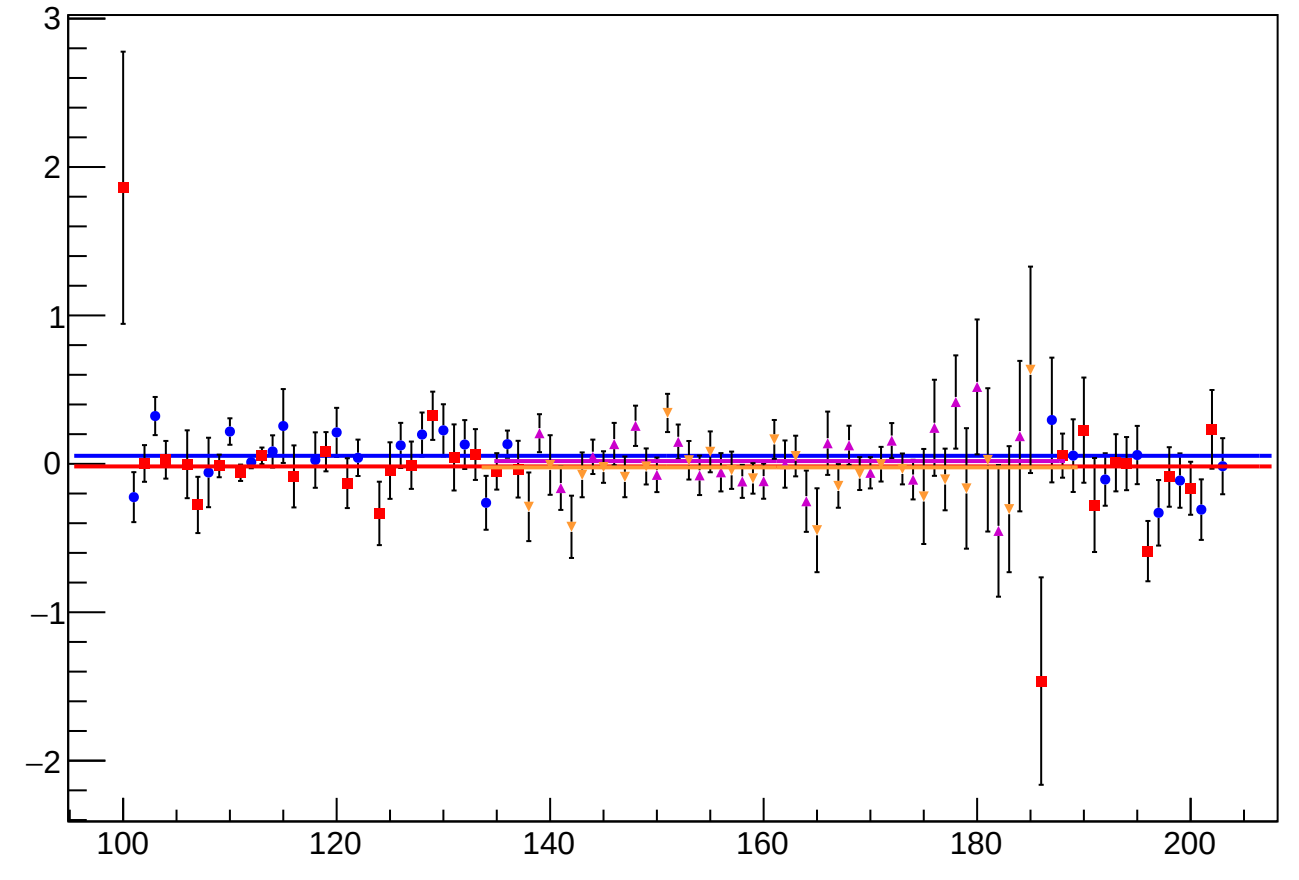
Left: 0.000+/-0.000 χ^2/NDF: 2176066.9/47

Right: 0.000+/-0.000 χ^2/NDF: 7703885.6/52

In: 0.000+/-0.000 χ^2/NDF:7256153.2/46

Out: 0.000+/-0.000 χ^2/NDF:7966208.4/53

All: 0.000+/-0.000 χ^2/NDF: 15238354.5/100



Right In: 0.054+/-0.025 χ^2/NDF: 27.8/23

Left Out: -0.024+/-0.030 χ^2/NDF:22.2/24

Right Out: -0.017+/-0.025 χ^2/NDF: 31.9/28

Left In: 0.019+/-0.030 χ^2/NDF:23.0/22

Left: -0.003+/-0.021 χ^2/NDF: 46.2/47

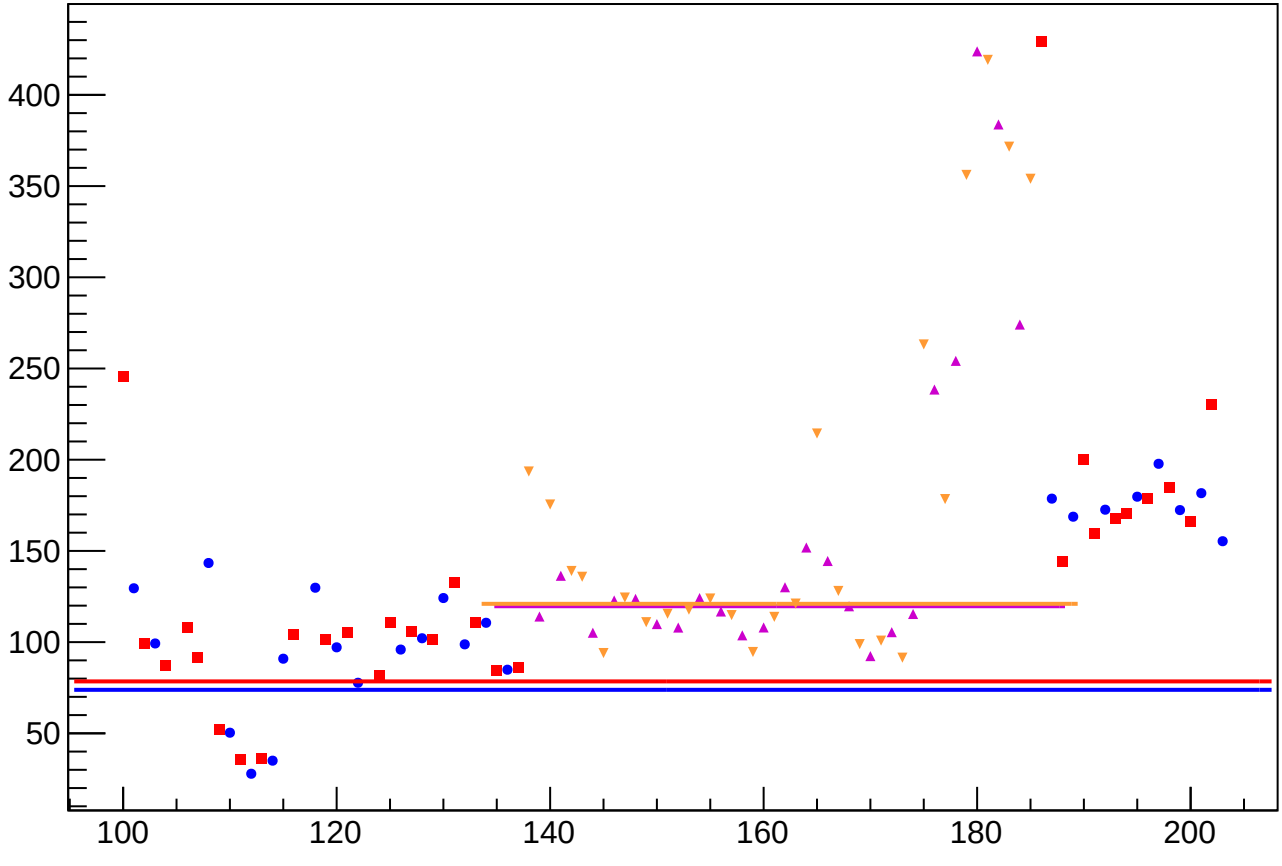
Right: 0.018+/-0.018 χ^2/NDF: 63.7/52

In: 0.039+/-0.019 χ^2/NDF:51.6/46

Out: -0.020+/-0.019 χ^2/NDF:54.1/53

All: 0.009+/-0.014 χ^2/NDF: 110.5/100

asym_sam4_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 73.850+/-0.018 χ^2/NDF: 7803247.6/23

Left Out: 120.999+/-0.021 χ^2/NDF:4095266.9/24

Right Out: 78.472+/-0.018 χ^2/NDF: 7675973.2/28

Left In: 119.679+/-0.021 χ^2/NDF:2838257.9/22

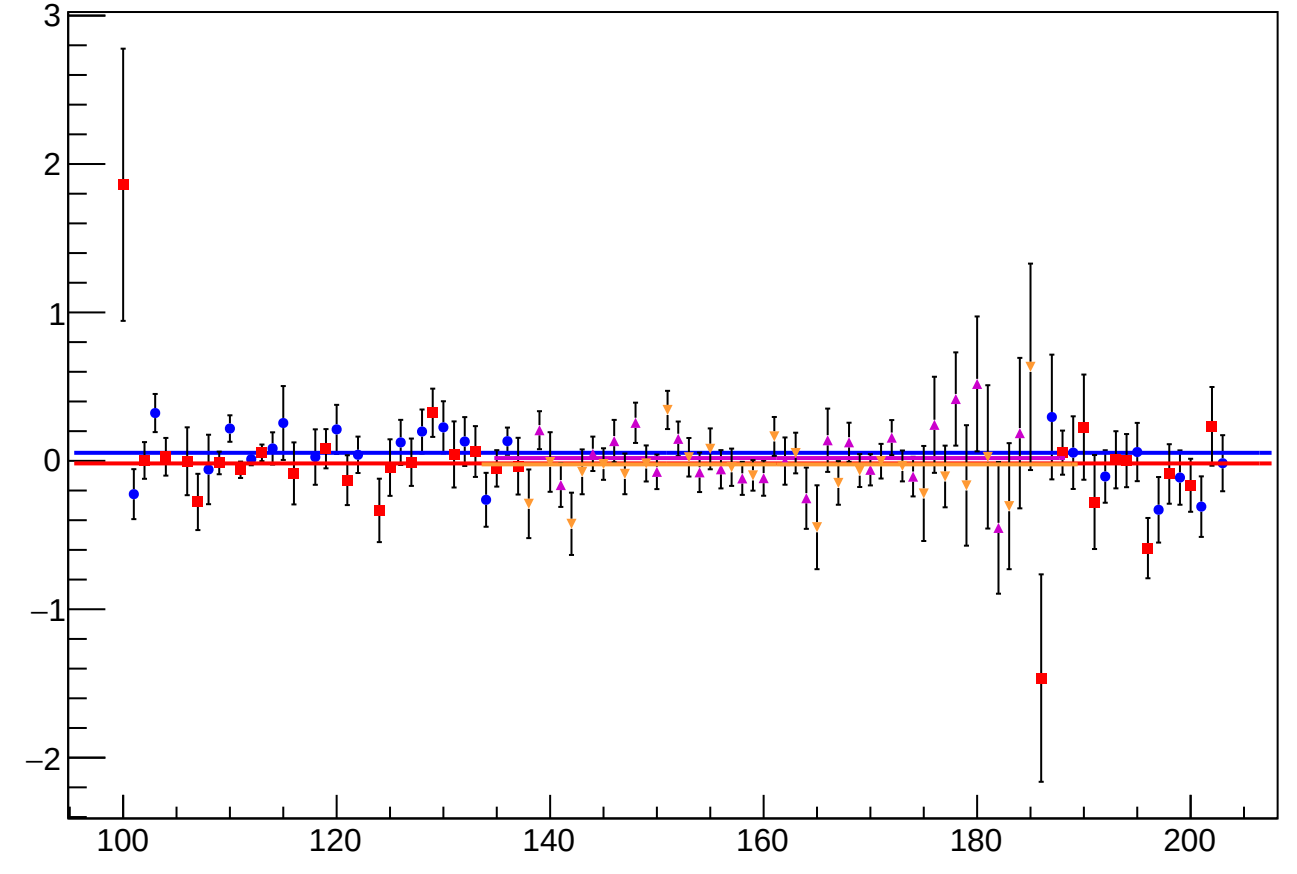
Left: 120.346+/-0.015 χ^2/NDF: 6935453.1/47

Right: 76.201+/-0.013 χ^2/NDF: 15512957.3/52

In: 92.797+/-0.014 χ^2/NDF:13338615.2/46

Out: 95.921+/-0.014 χ^2/NDF:14156629.1/53

All: 94.382+/-0.010 χ^2/NDF: 27521473.2/100



Right In: 0.054+/-0.025 χ^2/NDF: 27.8/23

Left Out: -0.024+/-0.030 χ^2/NDF:22.2/24

Right Out: -0.017+/-0.025 χ^2/NDF: 31.9/28

Left In: 0.019+/-0.030 χ^2/NDF:23.0/22

Left: -0.003+/-0.021 χ^2/NDF: 46.2/47

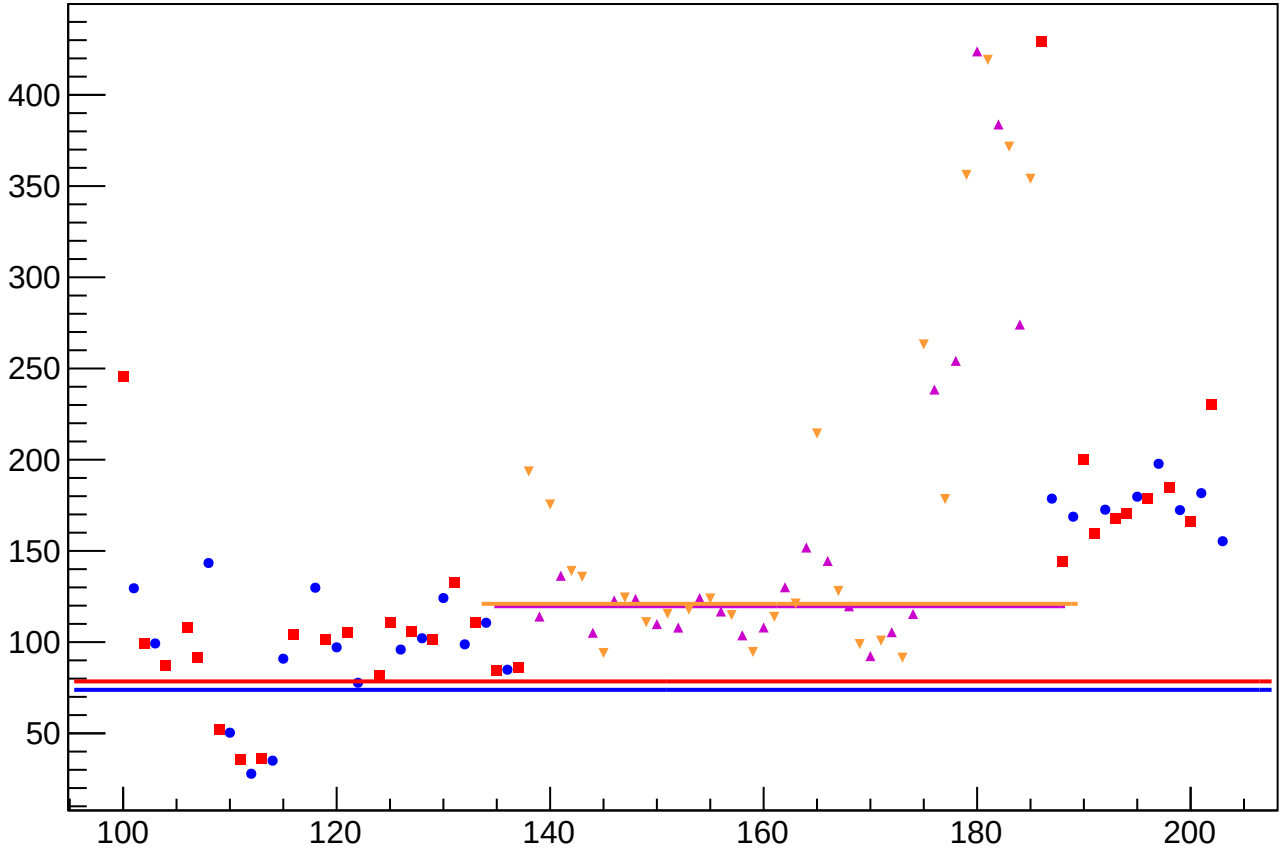
Right: 0.018+/-0.018 χ^2/NDF: 63.7/52

In: 0.039+/-0.019 χ^2/NDF:51.6/46

Out: -0.020+/-0.019 χ^2/NDF:54.1/53

All: 0.009+/-0.014 χ^2/NDF: 110.5/100

asym_sam4_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 73.850+/-0.018 χ^2/NDF: 7803247.6/23

Left Out: 120.999+/-0.021 χ^2/NDF:4095266.9/24

Right Out: 78.472+/-0.018 χ^2/NDF: 7675973.2/28

Left In: 119.679+/-0.021 χ^2/NDF:2838257.9/22

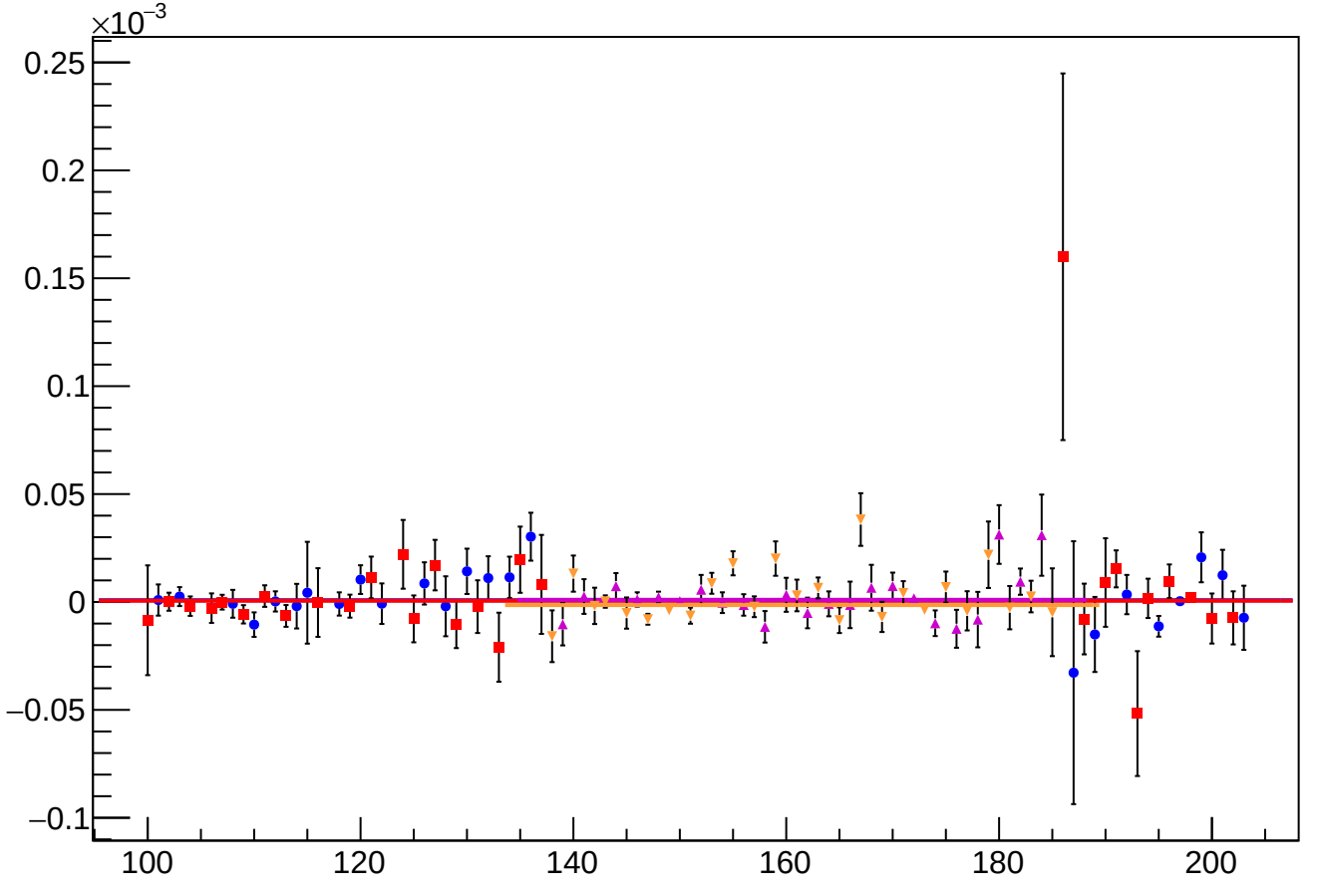
Left: 120.346+/-0.015 χ^2/NDF: 6935453.1/47

Right: 76.201+/-0.013 χ^2/NDF: 15512957.3/52

In: 92.797+/-0.014 χ^2/NDF:13338615.2/46

Out: 95.921+/-0.014 χ^2/NDF:14156629.1/53

All: 94.382+/-0.010 χ^2/NDF: 27521473.2/100



Right In: 0.000+/-0.000 χ^2/NDF: 29.9/23

Left Out: -0.000+/-0.000 χ^2/NDF:60.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 28.9/28

Left In: 0.000+/-0.000 χ^2/NDF:24.5/22

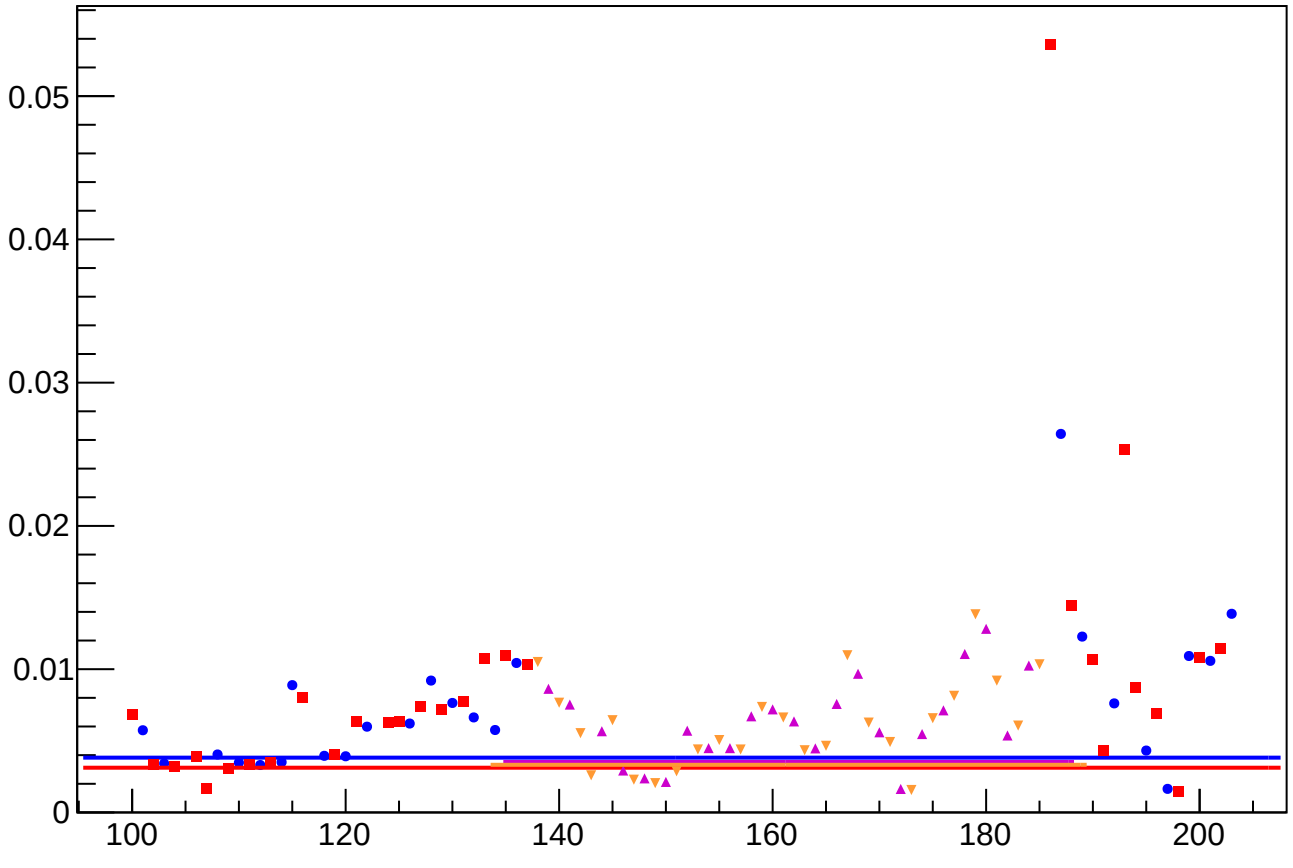
Left: -0.000+/-0.000 χ^2/NDF: 88.2/47

Right: 0.000+/-0.000 χ^2/NDF: 58.8/52

In: 0.000+/-0.000 χ^2/NDF:54.4/46

Out: -0.000+/-0.000 χ^2/NDF:91.4/53

All: 0.000+/-0.000 χ^2/NDF: 147.9/100



Right In: 0.004+/-0.000 χ^2/NDF: 7471388.2/23

Left Out: 0.003+/-0.000 χ^2/NDF:10486084.0/24

Right Out: 0.003+/-0.000 χ^2/NDF: 11336549.0/28

Left In: 0.004+/-0.000 χ^2/NDF:9426441.5/22

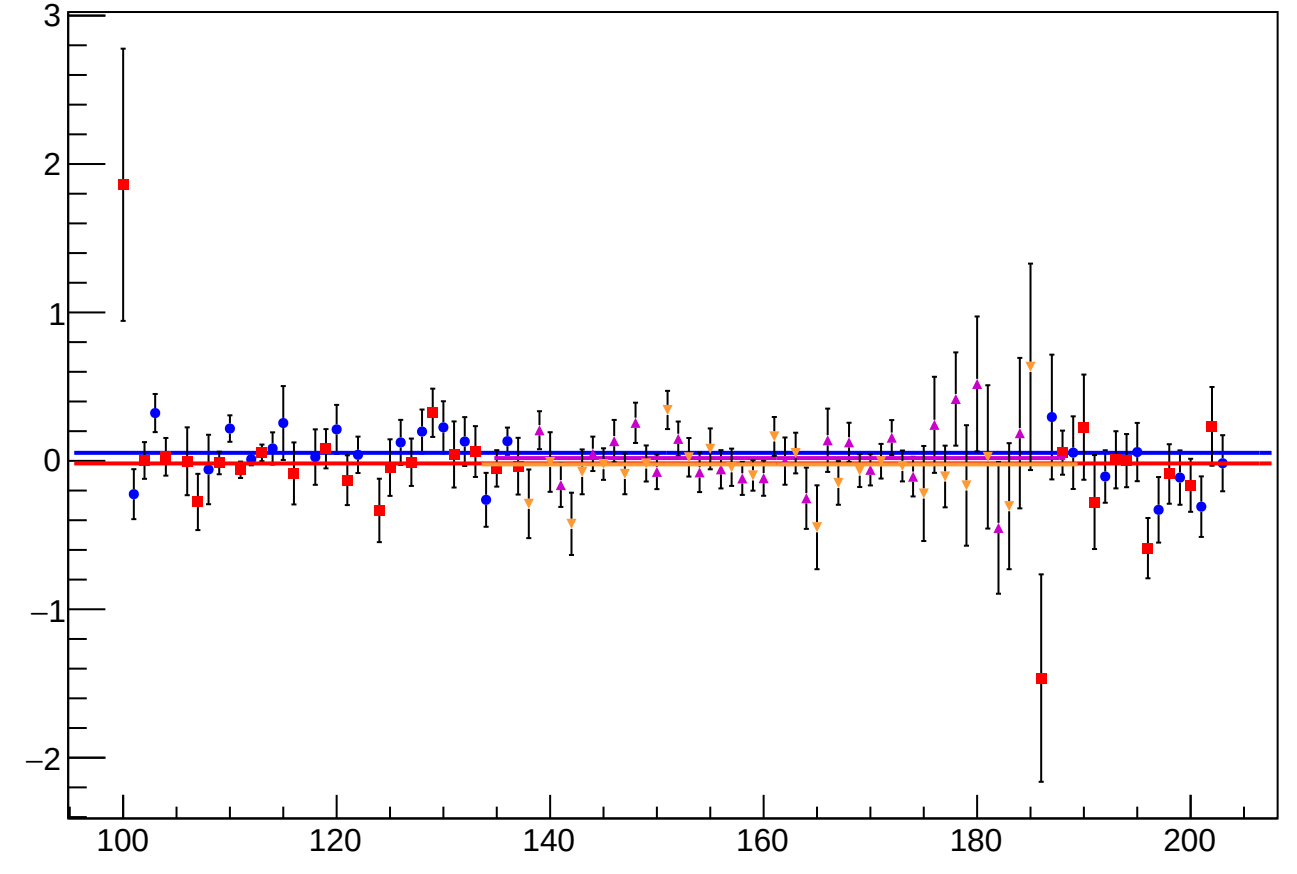
Left: 0.003+/-0.000 χ^2/NDF: 19955580.6/47

Right: 0.003+/-0.000 χ^2/NDF: 19155310.2/52

In: 0.004+/-0.000 χ^2/NDF:16966896.4/46

Out: 0.003+/-0.000 χ^2/NDF:21864573.8/53

All: 0.003+/-0.000 χ^2/NDF: 39110952.6/100



Right In: 0.054+/-0.025 χ^2/NDF: 27.8/23

Left Out: -0.024+/-0.030 χ^2/NDF:22.2/24

Right Out: -0.017+/-0.025 χ^2/NDF: 31.9/28

Left In: 0.019+/-0.030 χ^2/NDF:23.0/22

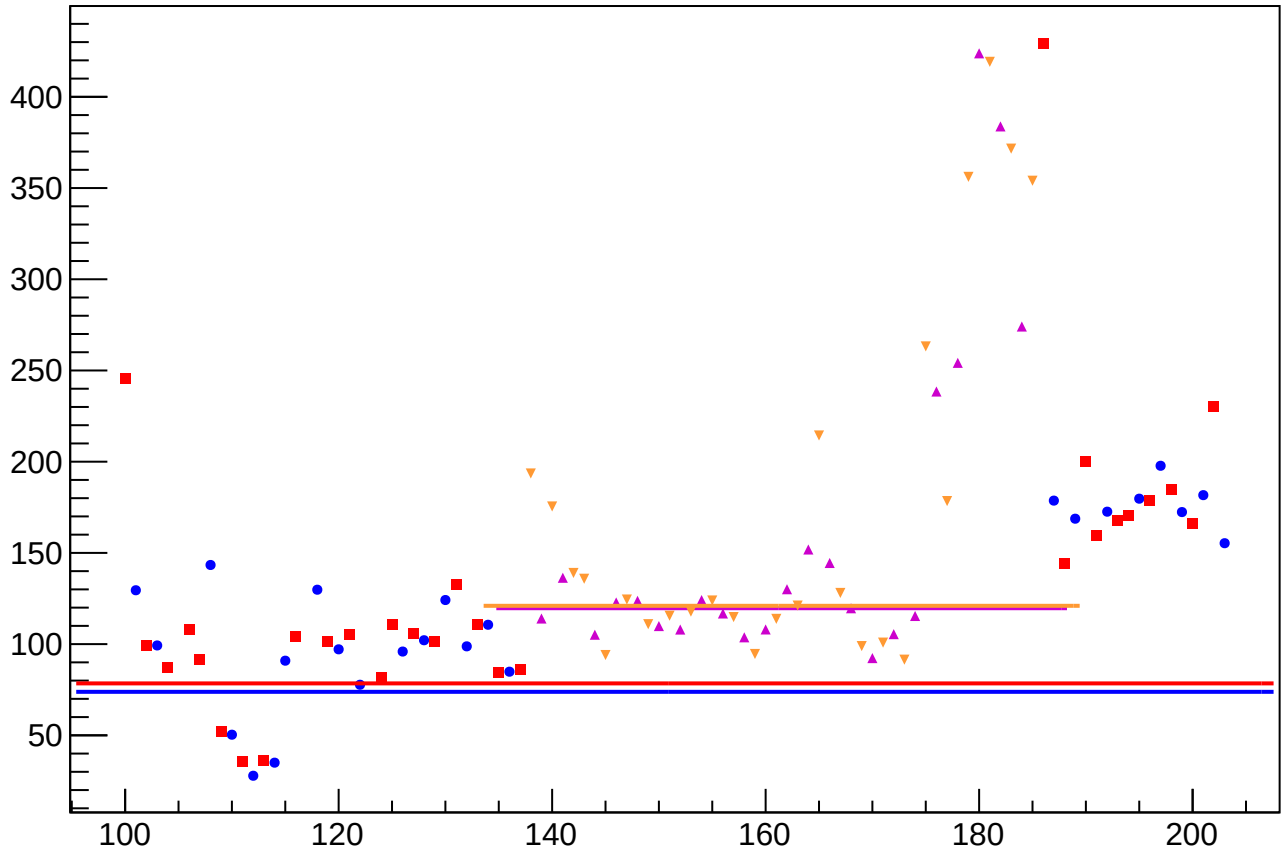
Left: -0.003+/-0.021 χ^2/NDF: 46.2/47

Right: 0.018+/-0.018 χ^2/NDF: 63.7/52

In: 0.039+/-0.019 χ^2/NDF:51.6/46

Out: -0.020+/-0.019 χ^2/NDF:54.1/53

All: 0.009+/-0.014 χ^2/NDF: 110.5/100



Right In: 73.848+/-0.018 χ^2/NDF: 7803616.4/23

Left Out: 121.000+/-0.021 χ^2/NDF:4095210.5/24

Right Out: 78.470+/-0.018 χ^2/NDF: 7676403.7/28

Left In: 119.680+/-0.021 χ^2/NDF:2838196.2/22

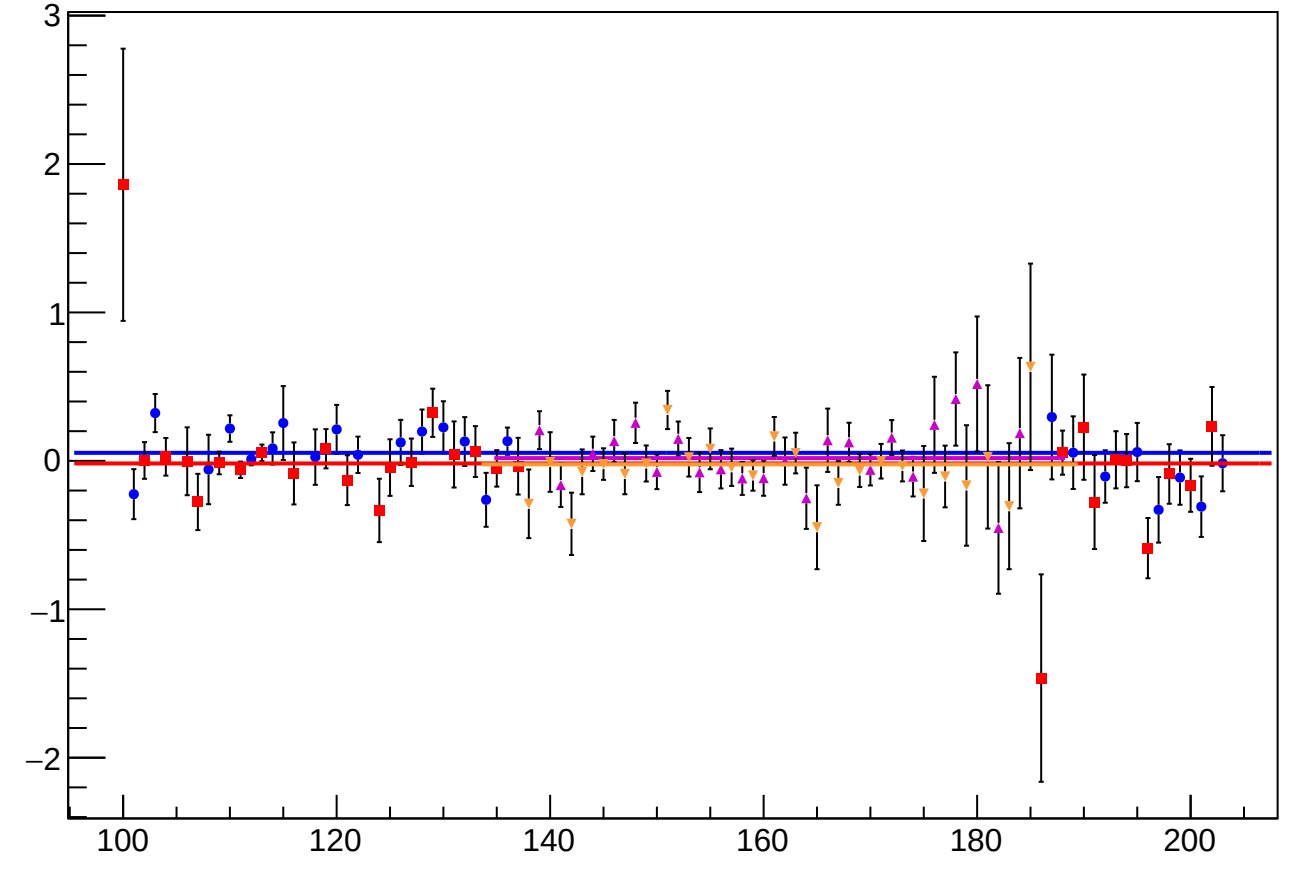
Left: 120.347+/-0.015 χ^2/NDF: 6935335.2/47

Right: 76.198+/-0.013 χ^2/NDF: 15513762.5/52

In: 92.795+/-0.014 χ^2/NDF:13339330.6/46

Out: 95.920+/-0.014 χ^2/NDF:14157347.6/53

All: 94.380+/-0.010 χ^2/NDF: 27522913.6/100



Right In: 0.054+/-0.025 χ^2/NDF: 27.8/23

Left Out: -0.024+/-0.030 χ^2/NDF:22.2/24

Right Out: -0.017+/-0.025 χ^2/NDF: 31.9/28

Left In: 0.019+/-0.030 χ^2/NDF:23.0/22

Left: -0.003+/-0.021 χ^2/NDF: 46.2/47

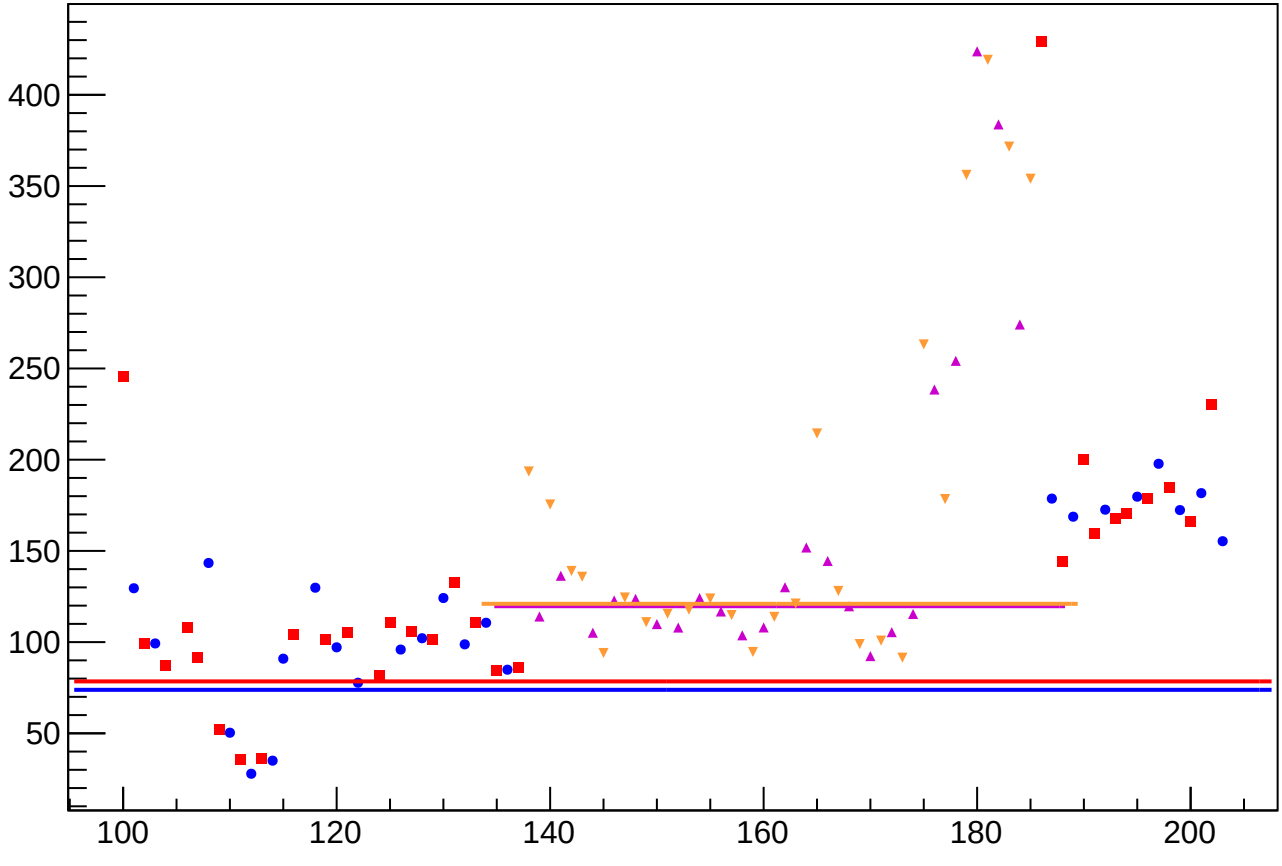
Right: 0.018+/-0.018 χ^2/NDF: 63.7/52

In: 0.039+/-0.019 χ^2/NDF:51.6/46

Out: -0.020+/-0.019 χ^2/NDF:54.1/53

All: 0.009+/-0.014 χ^2/NDF: 110.5/100

asym_sam4_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 73.848+/-0.018 χ^2/NDF: 7803616.4/23

Left Out: 121.000+/-0.021 χ^2/NDF:4095210.5/24

Right Out: 78.470+/-0.018 χ^2/NDF: 7676403.7/28

Left In: 119.680+/-0.021 χ^2/NDF:2838196.2/22

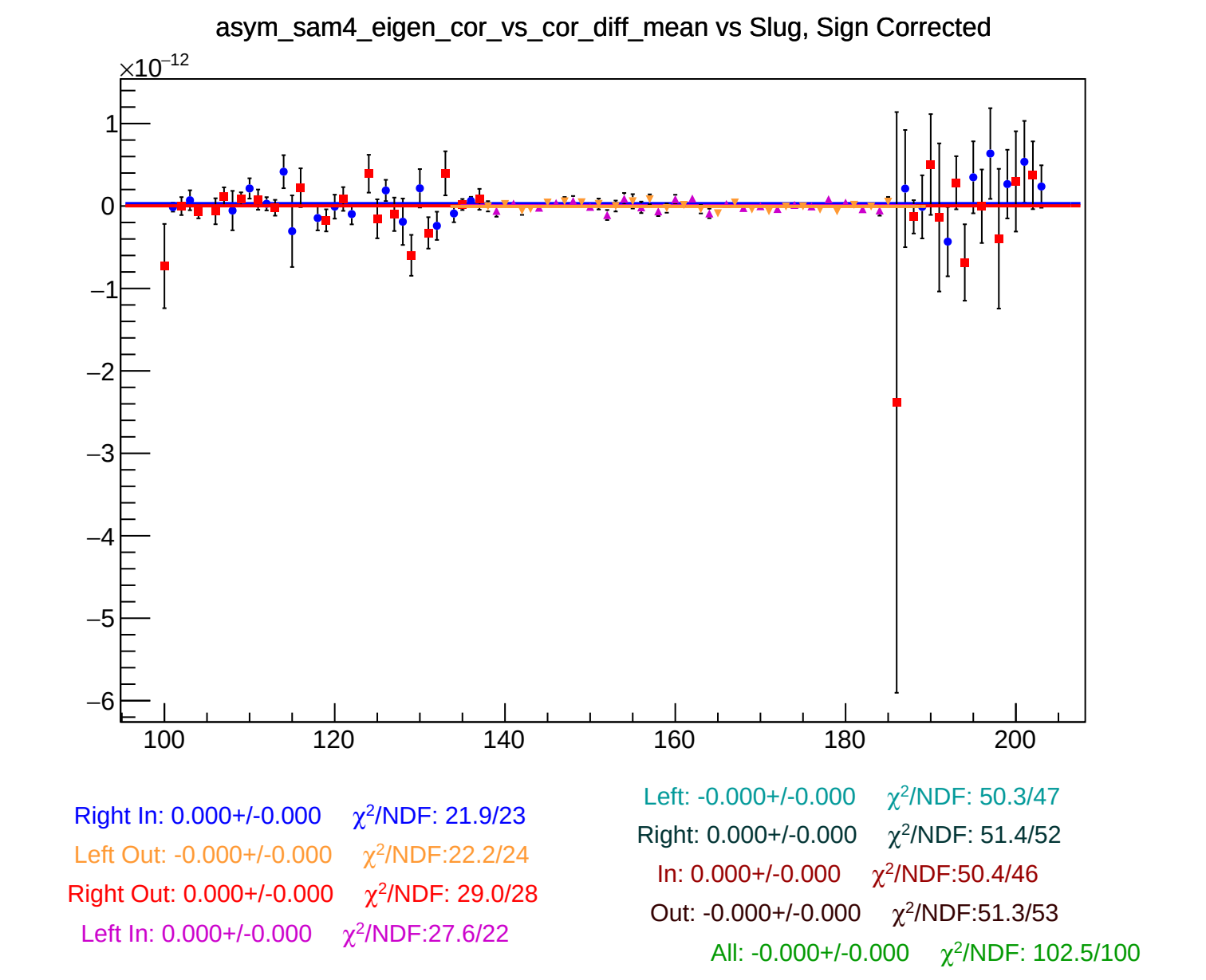
Left: 120.347+/-0.015 χ^2/NDF: 6935335.2/47

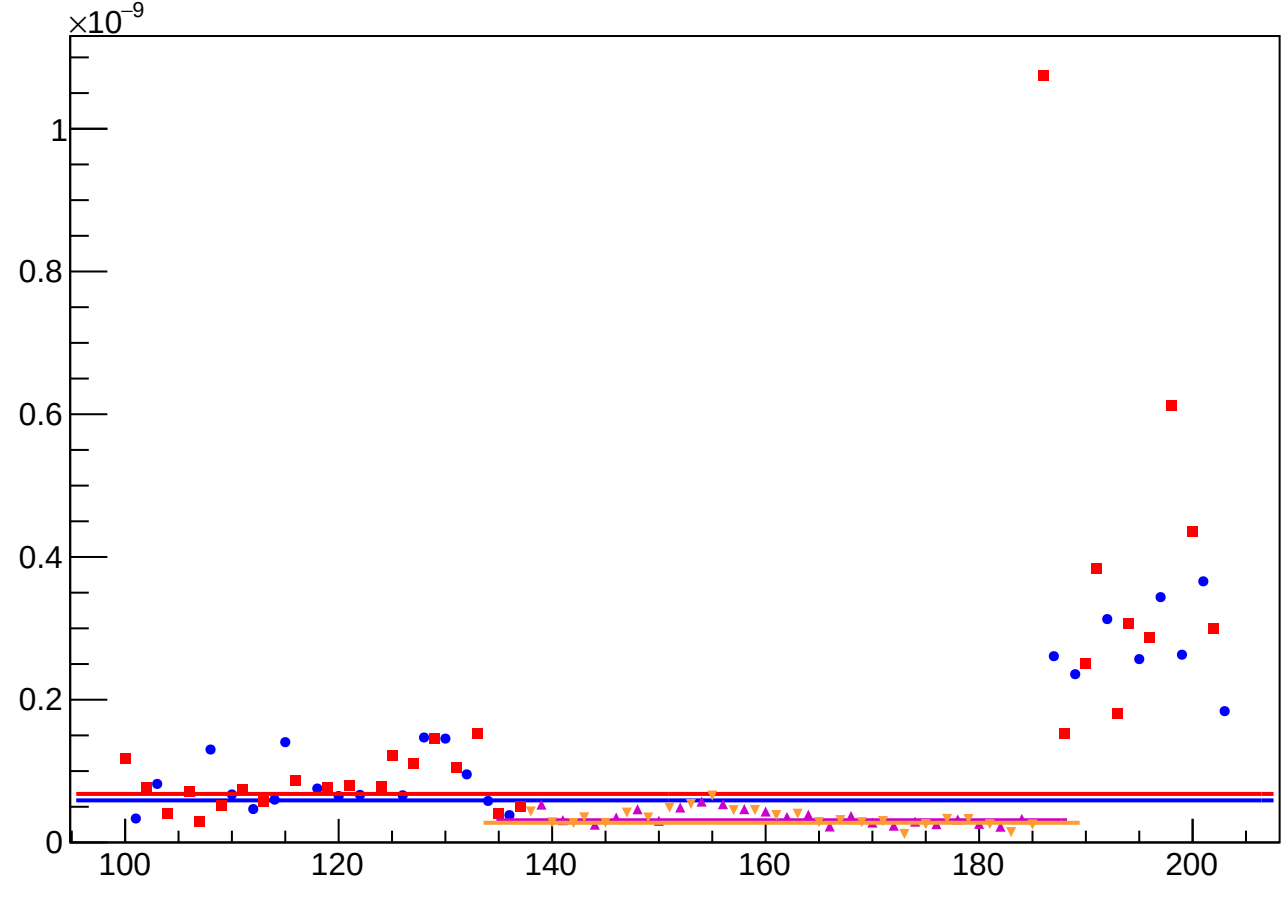
Right: 76.198+/-0.013 χ^2/NDF: 15513762.5/52

In: 92.795+/-0.014 χ^2/NDF:13339330.6/46

Out: 95.920+/-0.014 χ^2/NDF:14157347.6/53

All: 94.380+/-0.010 χ^2/NDF: 27522913.6/100


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: 21.9/23
Left Out: -0.000+/-0.000 χ²/NDF:22.2/24
Right Out: 0.000+/-0.000 χ²/NDF: 29.0/28
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: 51.4/52
In: 0.000+/-0.000 χ²/NDF:50.4/46
Out: -0.000+/-0.000 χ²/NDF:51.3/53
All: -0.000+/-0.000 χ²/NDF: 102.5/100



Right In: 0.000+/-0.000 χ^2/NDF: 5751800.0/23

Left Out: 0.000+/-0.000 χ^2/NDF:3691738.1/24

Right Out: 0.000+/-0.000 χ^2/NDF: 6080192.6/28

Left In: 0.000+/-0.000 χ^2/NDF:1937733.7/22

Left: 0.000+/-0.000 χ^2/NDF: 5803061.5/47

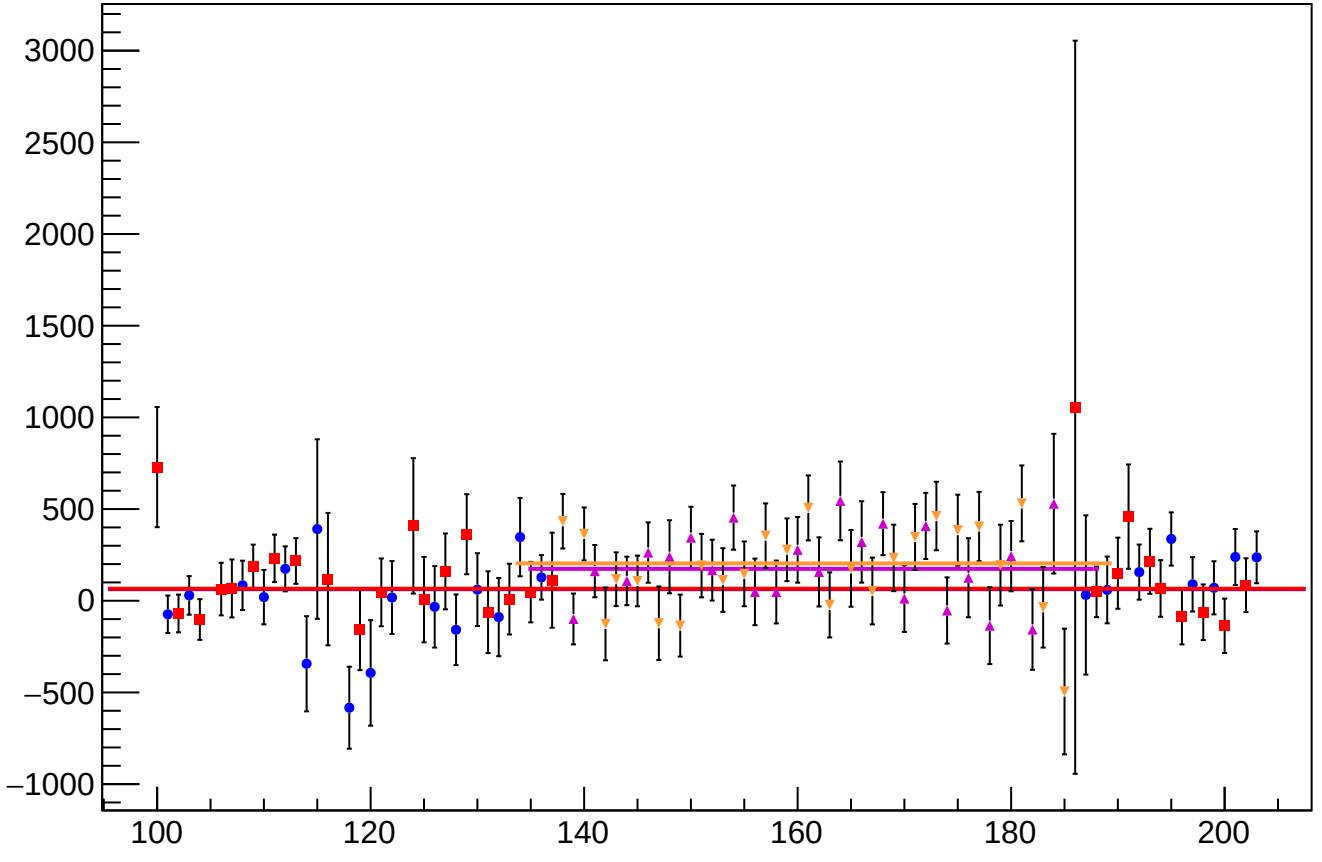
Right: 0.000+/-0.000 χ^2/NDF: 11944035.6/52

In: 0.000+/-0.000 χ^2/NDF:9773668.7/46

Out: 0.000+/-0.000 χ^2/NDF:13570253.7/53

All: 0.000+/-0.000 χ^2/NDF: 23526614.8/100

reg_asym_sam5_mean vs Slug, Sign Corrected



Right In: 63.159+/-32.835 χ^2/NDF: 27.5/23

Left Out: 203.760+/-35.878 χ^2/NDF:32.9/24

Right Out: 65.493+/-30.993 χ^2/NDF: 23.5/28

Left In: 173.974+/-37.405 χ^2/NDF:24.5/22

Left: 189.488+/-25.893 χ^2/NDF: 57.7/47

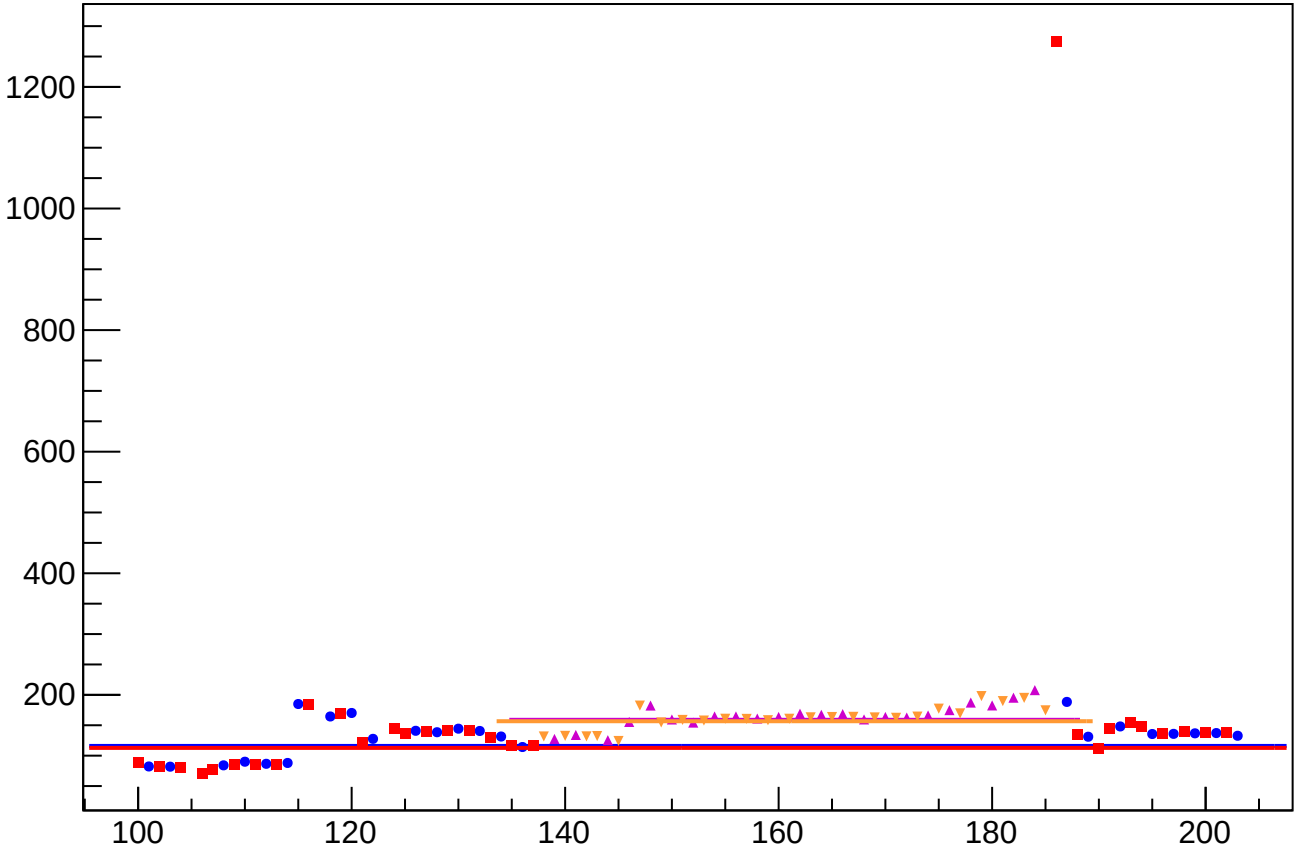
Right: 64.393+/-22.539 χ^2/NDF: 51.1/52

In: 111.387+/-24.676 χ^2/NDF:57.0/46

Out: 124.581+/-23.454 χ^2/NDF:64.9/53

All: 118.319+/-17.000 χ^2/NDF: 122.1/100

reg_asym_sam5_rms vs Slug, Sign Corrected



Right In: 115.987+/-0.023 χ^2/NDF: 1423956.1/23

Left Out: 156.638+/-0.025 χ^2/NDF:582414.4/24

Right Out: 112.771+/-0.022 χ^2/NDF: 2490612.4/28

Left In: 158.952+/-0.026 χ^2/NDF:511321.2/22

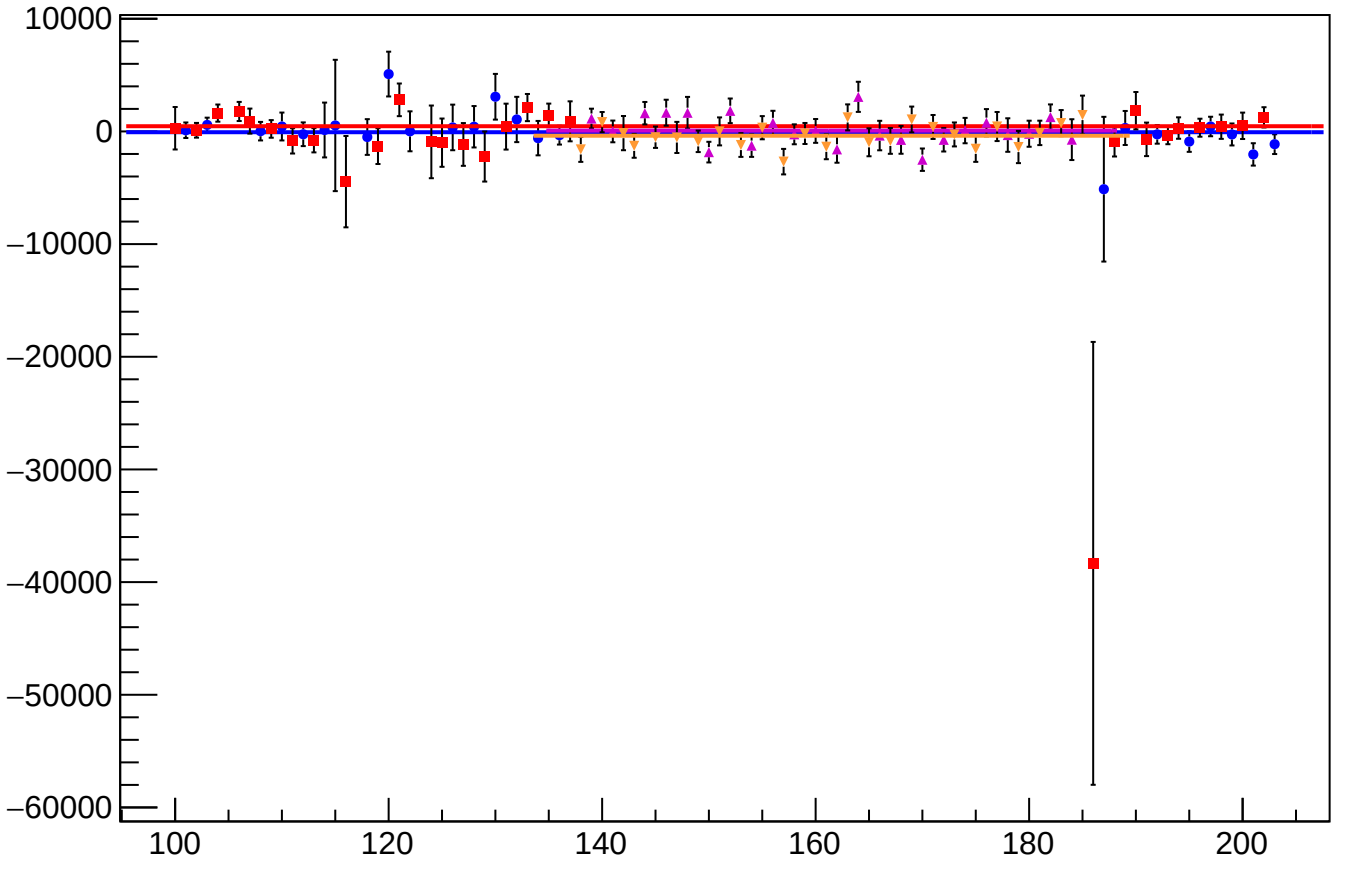
Left: 157.746+/-0.018 χ^2/NDF: 1097721.4/47

Right: 114.286+/-0.016 χ^2/NDF: 3924717.5/52

In: 134.686+/-0.017 χ^2/NDF:3425566.7/46

Out: 131.517+/-0.017 χ^2/NDF:4785215.7/53

All: 133.021+/-0.012 χ^2/NDF: 8228107.9/100



Right In: -69.976+/-226.787 χ^2/NDF: 18.5/23

Left Out: -380.690+/-224.554 χ^2/NDF:18.7/24

Right Out: 462.451+/-212.104 χ^2/NDF: 27.2/28

Left In: 74.440+/-229.788 χ^2/NDF:33.1/22

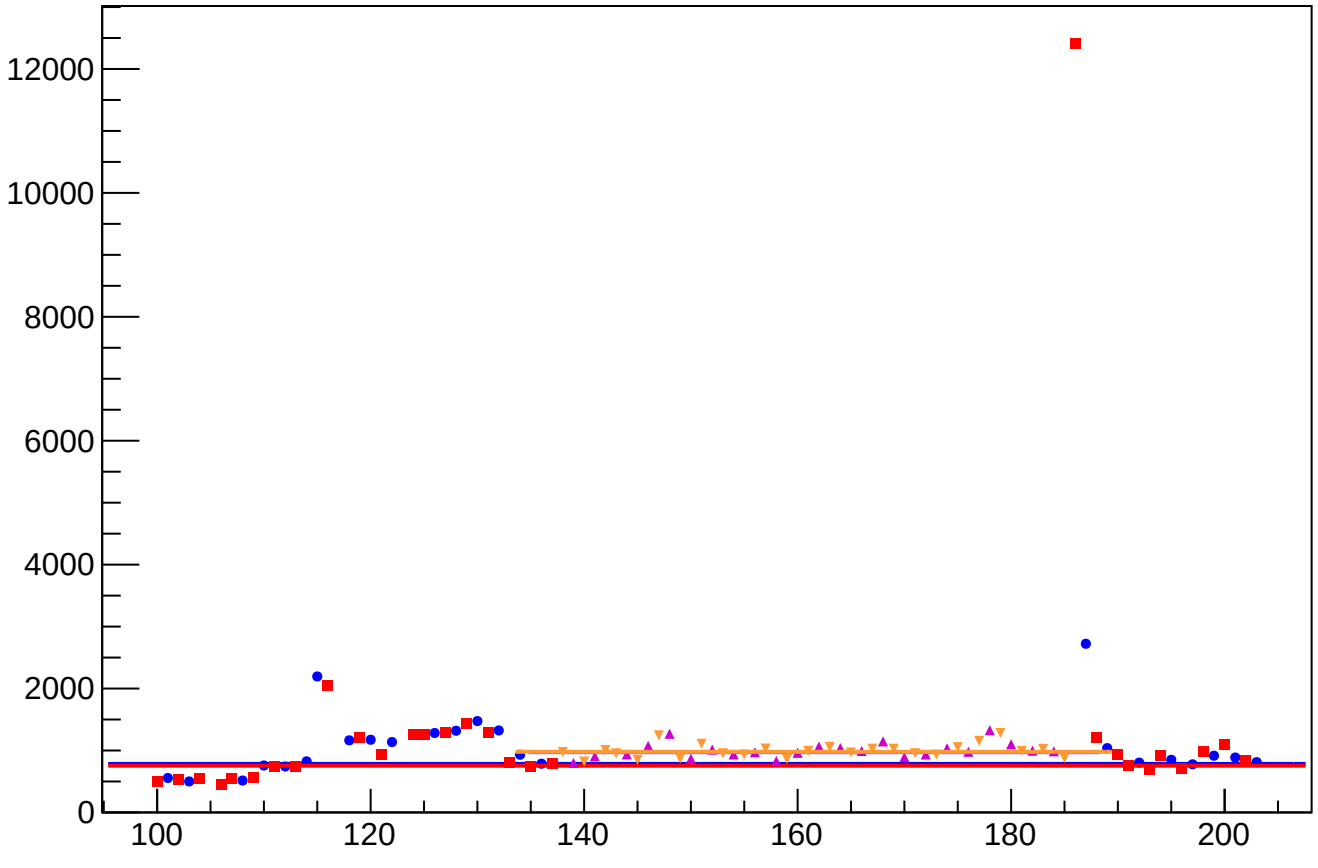
Left: -158.368+/-160.602 χ^2/NDF: 53.8/47

Right: 214.030+/-154.911 χ^2/NDF: 48.6/52

In: 1.283+/-161.413 χ^2/NDF:51.8/46

Out: 64.901+/-154.194 χ^2/NDF:53.3/53

All: 34.546+/-111.496 χ^2/NDF: 105.2/100



Right In: 782.952+/-0.160 χ^2/NDF: 2208120.1/23

Left Out: 979.111+/-0.159 χ^2/NDF:429795.3/24

Right Out: 755.146+/-0.150 χ^2/NDF: 3282589.5/28

Left In: 973.818+/-0.162 χ^2/NDF:498612.7/22

Left: 976.526+/-0.114 χ^2/NDF: 928951.0/47

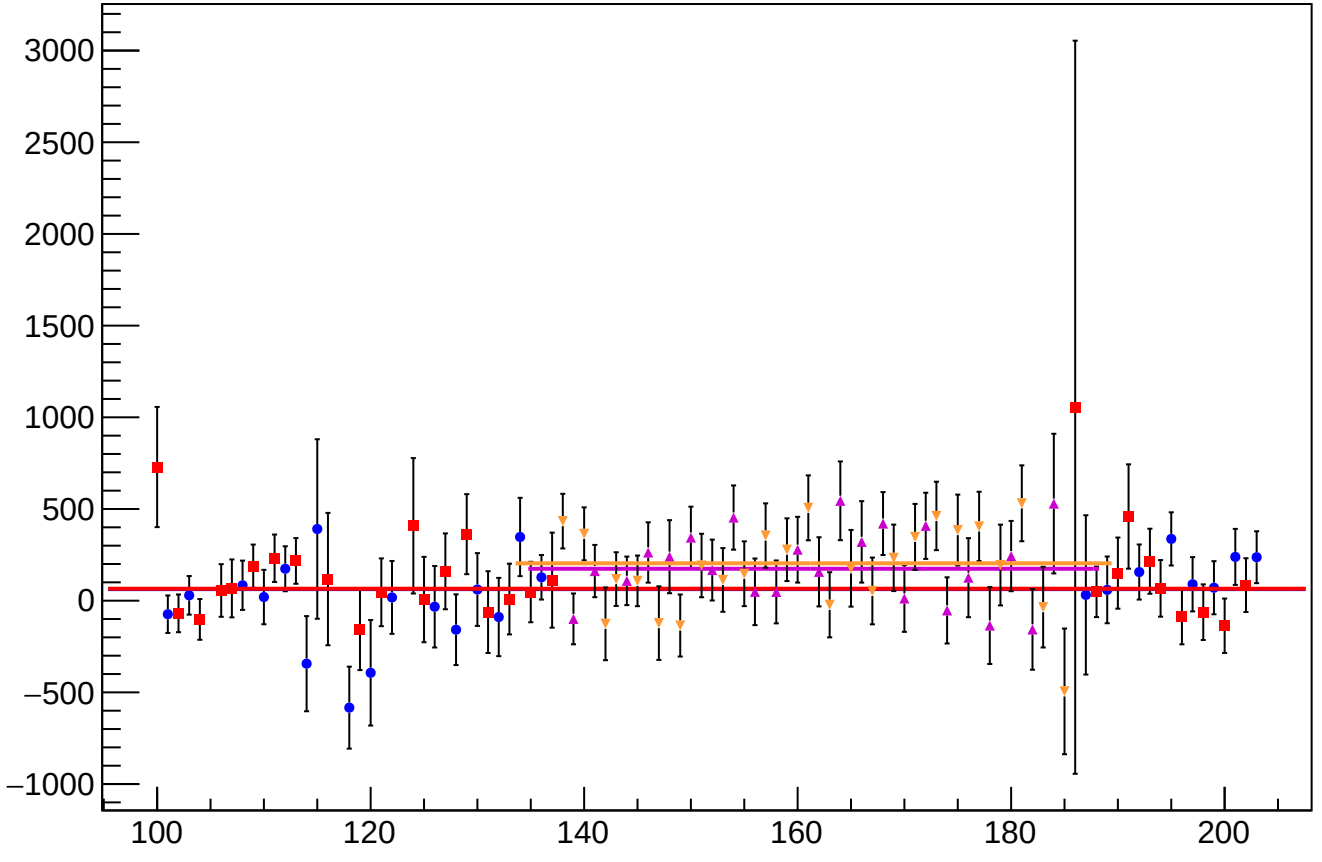
Right: 768.120+/-0.110 χ^2/NDF: 5506747.4/52

In: 877.130+/-0.114 χ^2/NDF:3405725.4/46

Out: 860.748+/-0.109 χ^2/NDF:4763831.5/53

All: 868.565+/-0.079 χ^2/NDF: 8180328.7/100

cor_asym_sam5_mean vs Slug, Sign Corrected



Right In: 63.154+/-32.835 χ^2/NDF: 27.6/23

Left Out: 203.766+/-35.878 χ^2/NDF:32.9/24

Right Out: 65.138+/-30.995 χ^2/NDF: 23.5/28

Left In: 173.978+/-37.405 χ^2/NDF:24.5/22

Left: 189.493+/-25.893 χ^2/NDF: 57.7/47

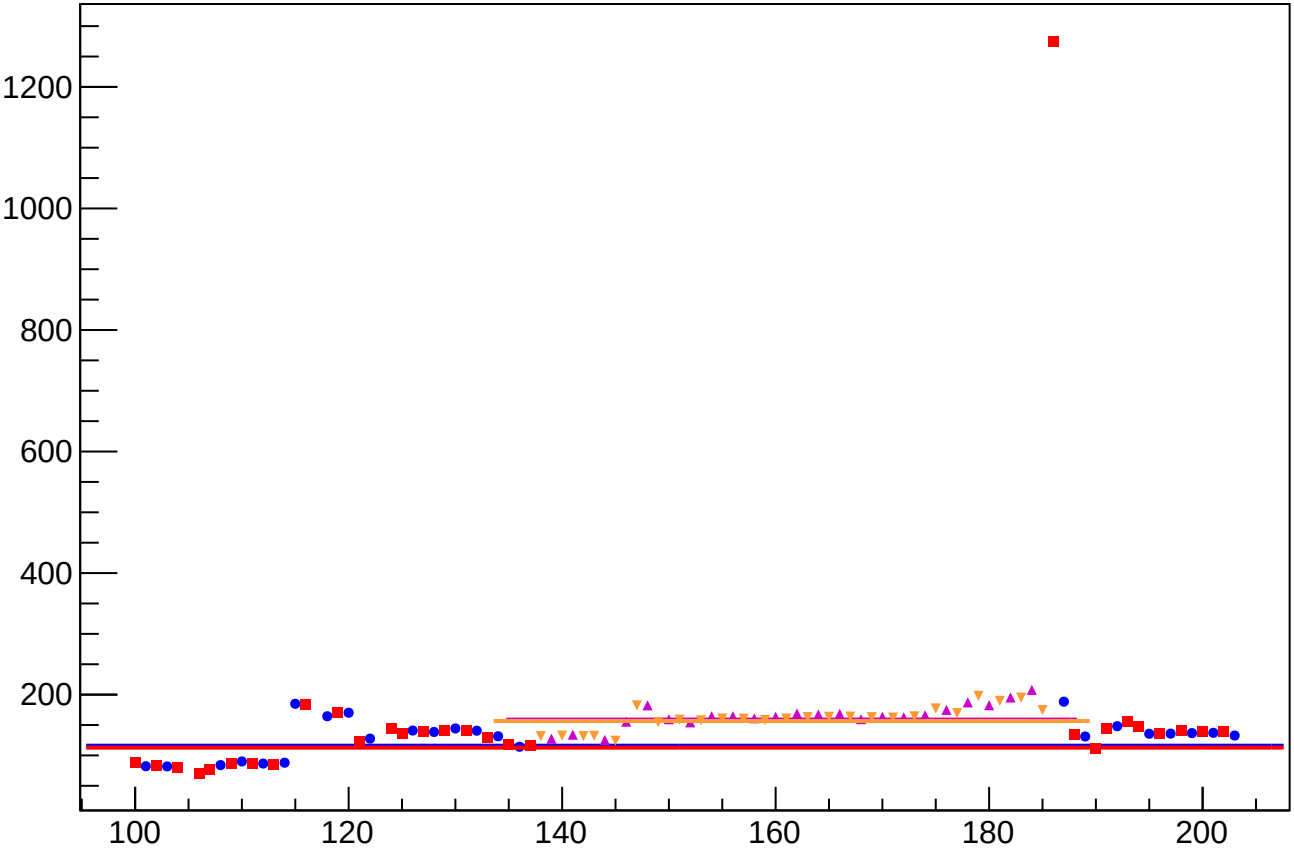
Right: 64.203+/-22.539 χ^2/NDF: 51.1/52

In: 111.386+/-24.676 χ^2/NDF:57.0/46

Out: 124.383+/-23.454 χ^2/NDF:64.9/53

All: 118.214+/-17.000 χ^2/NDF: 122.1/100

cor_asym_sam5_rms vs Slug, Sign Corrected



Right In: 115.987+/-0.023 χ^2/NDF: 1423954.9/23

Left Out: 156.638+/-0.025 χ^2/NDF:582414.5/24

Right Out: 112.756+/-0.022 χ^2/NDF: 2493646.8/28

Left In: 158.952+/-0.026 χ^2/NDF:511321.3/22

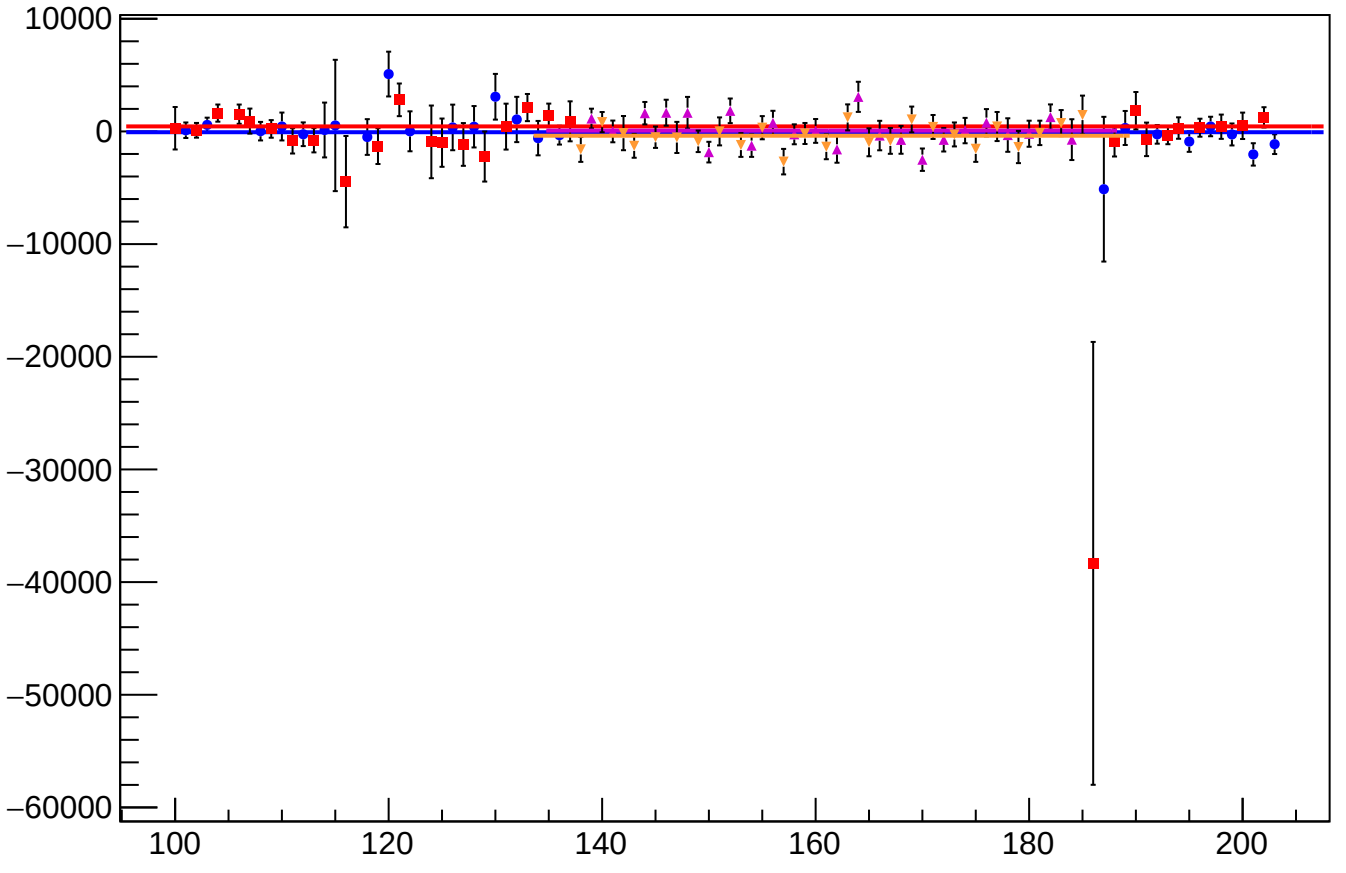
Left: 157.746+/-0.018 χ^2/NDF: 1097721.5/47

Right: 114.278+/-0.016 χ^2/NDF: 3927843.4/52

In: 134.686+/-0.017 χ^2/NDF:3425564.7/46

Out: 131.510+/-0.017 χ^2/NDF:4789329.9/53

All: 133.017+/-0.012 χ^2/NDF: 8232300.8/100



Right In: -69.975+/-226.787 χ^2/NDF: 18.5/23

Left Out: -380.678+/-224.554 χ^2/NDF:18.7/24

Right Out: 446.421+/-212.190 χ^2/NDF: 26.3/28

Left In: 74.438+/-229.788 χ^2/NDF:33.1/22

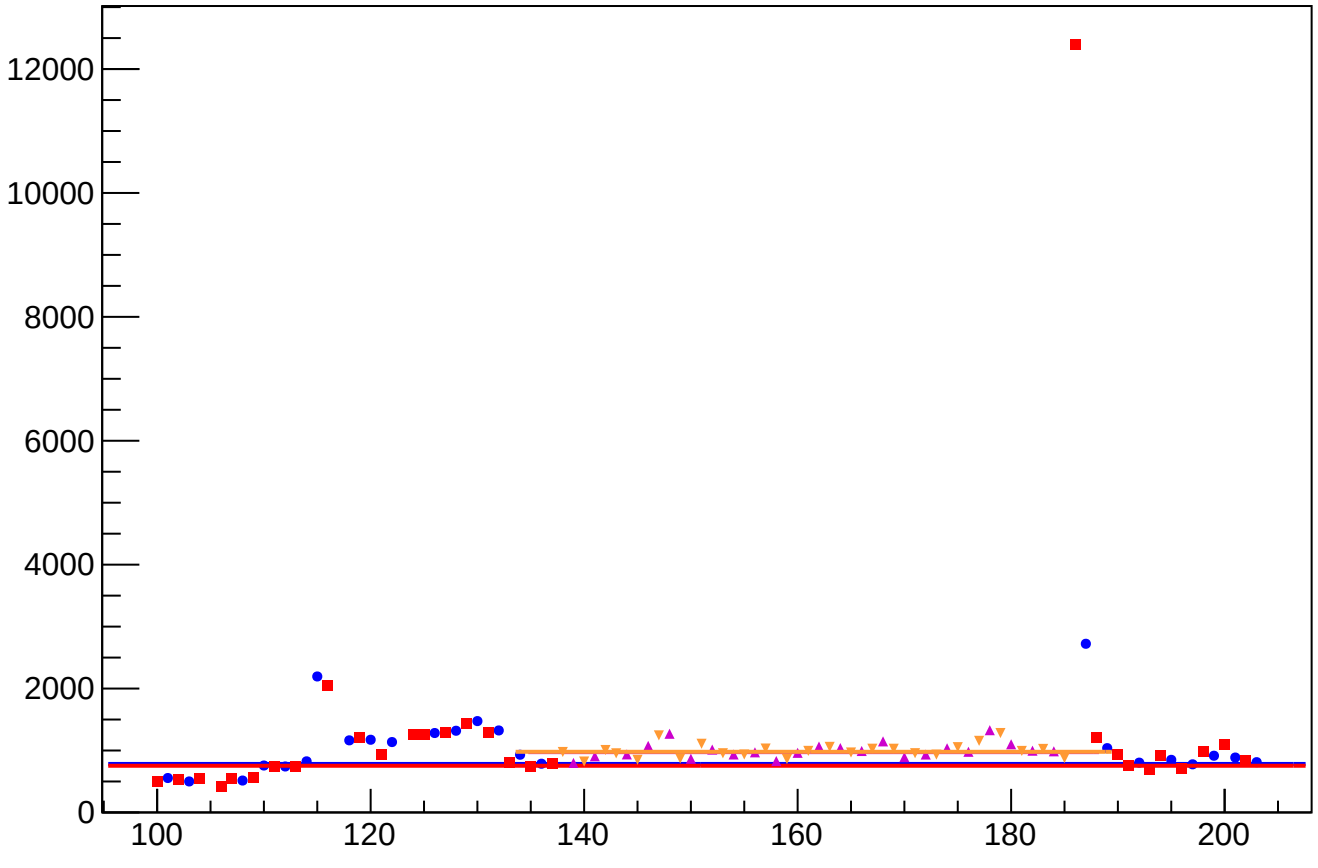
Left: -158.362+/-160.602 χ^2/NDF: 53.8/47

Right: 205.374+/-154.945 χ^2/NDF: 47.6/52

In: 1.282+/-161.413 χ^2/NDF:51.8/46

Out: 56.266+/-154.227 χ^2/NDF:52.2/53

All: 30.026+/-111.509 χ^2/NDF: 104.1/100



Right In: 782.952+/-0.160 χ^2/NDF: 2208123.1/23

Left Out: 979.112+/-0.159 χ^2/NDF:429793.5/24

Right Out: 753.888+/-0.150 χ^2/NDF: 3321756.7/28

Left In: 973.818+/-0.162 χ^2/NDF:498615.1/22

Left: 976.526+/-0.114 χ^2/NDF: 928951.7/47

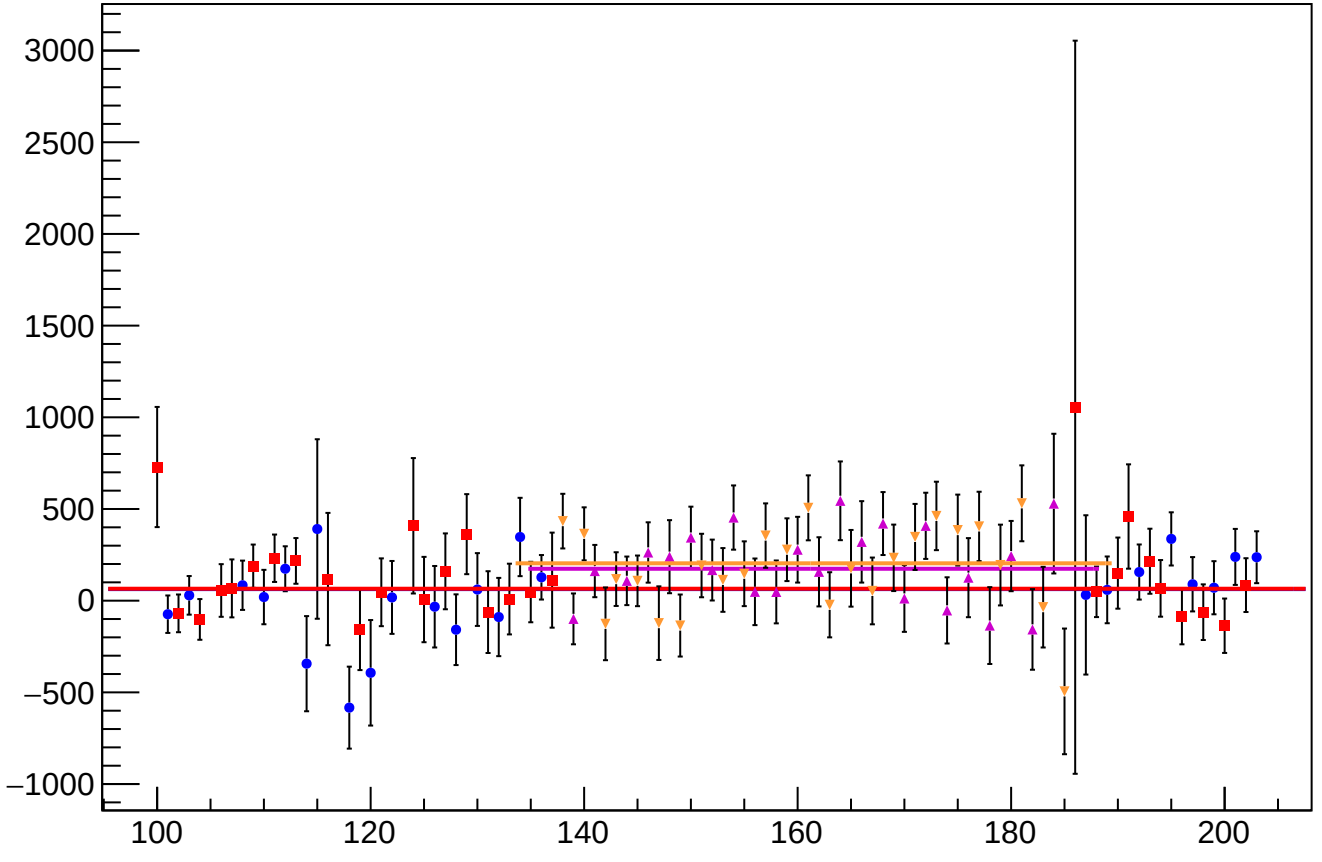
Right: 767.454+/-0.110 χ^2/NDF: 5547394.9/52

In: 877.130+/-0.114 χ^2/NDF:3405732.3/46

Out: 860.129+/-0.109 χ^2/NDF:4814437.2/53

All: 868.243+/-0.079 χ^2/NDF: 8231768.0/100

eigen_cor_asym_sam5_mean vs Slug, Sign Corrected



Right In: 63.154+/-32.835 χ^2/NDF: 27.6/23

Left Out: 203.766+/-35.878 χ^2/NDF:32.9/24

Right Out: 65.138+/-30.995 χ^2/NDF: 23.5/28

Left In: 173.978+/-37.405 χ^2/NDF:24.5/22

Left: 189.493+/-25.893 χ^2/NDF: 57.7/47

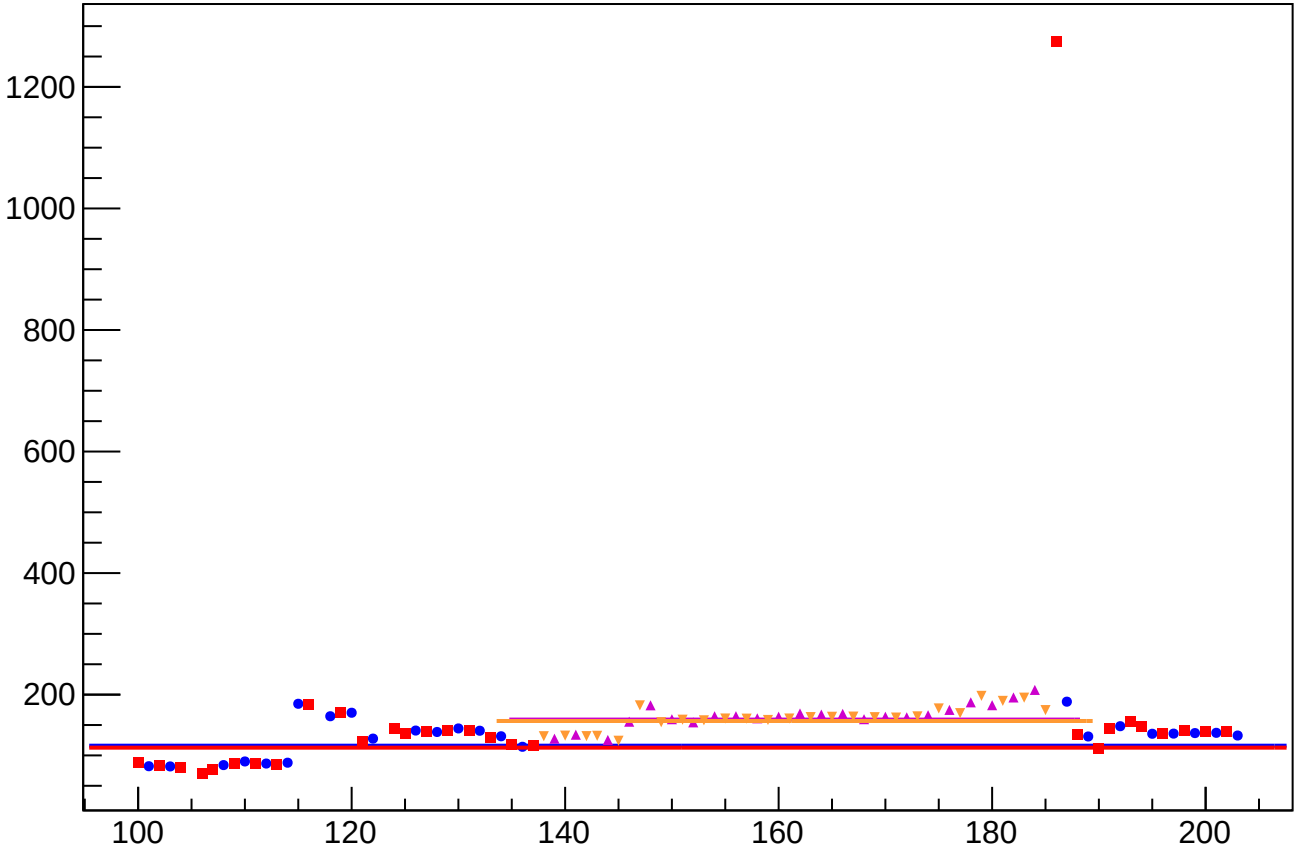
Right: 64.203+/-22.539 χ^2/NDF: 51.1/52

In: 111.386+/-24.676 χ^2/NDF:57.0/46

Out: 124.383+/-23.454 χ^2/NDF:64.9/53

All: 118.214+/-17.000 χ^2/NDF: 122.1/100

eigen_cor_asym_sam5_rms vs Slug, Sign Corrected



Right In: 115.987+/-0.023 χ^2/NDF: 1423954.9/23

Left Out: 156.638+/-0.025 χ^2/NDF:582414.5/24

Right Out: 112.756+/-0.022 χ^2/NDF: 2493646.8/28

Left In: 158.952+/-0.026 χ^2/NDF:511321.3/22

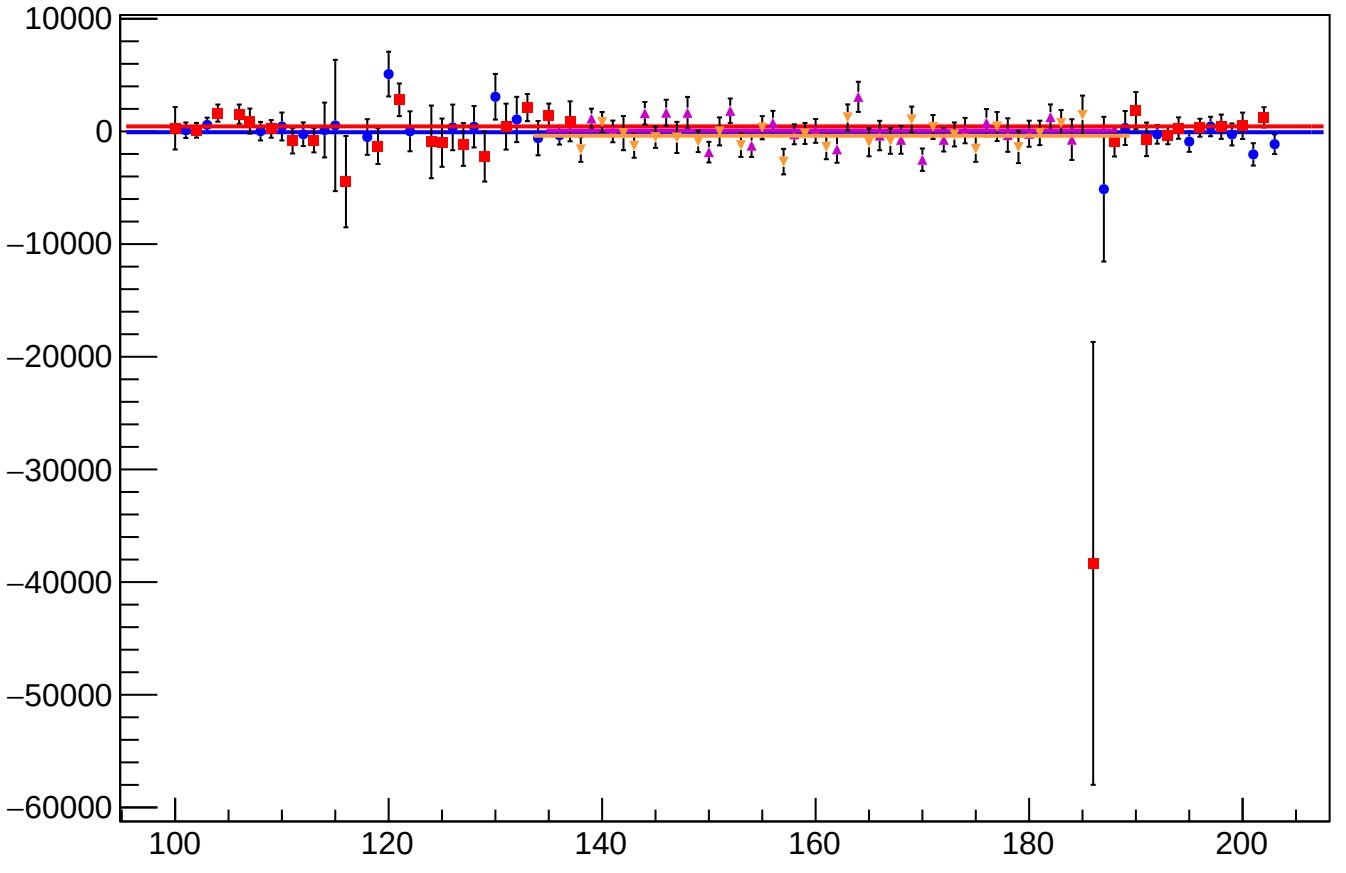
Left: 157.746+/-0.018 χ^2/NDF: 1097721.5/47

Right: 114.278+/-0.016 χ^2/NDF: 3927843.4/52

In: 134.686+/-0.017 χ^2/NDF:3425564.7/46

Out: 131.510+/-0.017 χ^2/NDF:4789329.9/53

All: 133.017+/-0.012 χ^2/NDF: 8232300.8/100



Right In: -69.975+/-226.787 χ^2/NDF: 18.5/23

Left Out: -380.678+/-224.554 χ^2/NDF:18.7/24

Right Out: 446.421+/-212.190 χ^2/NDF: 26.3/28

Left In: 74.438+/-229.788 χ^2/NDF:33.1/22

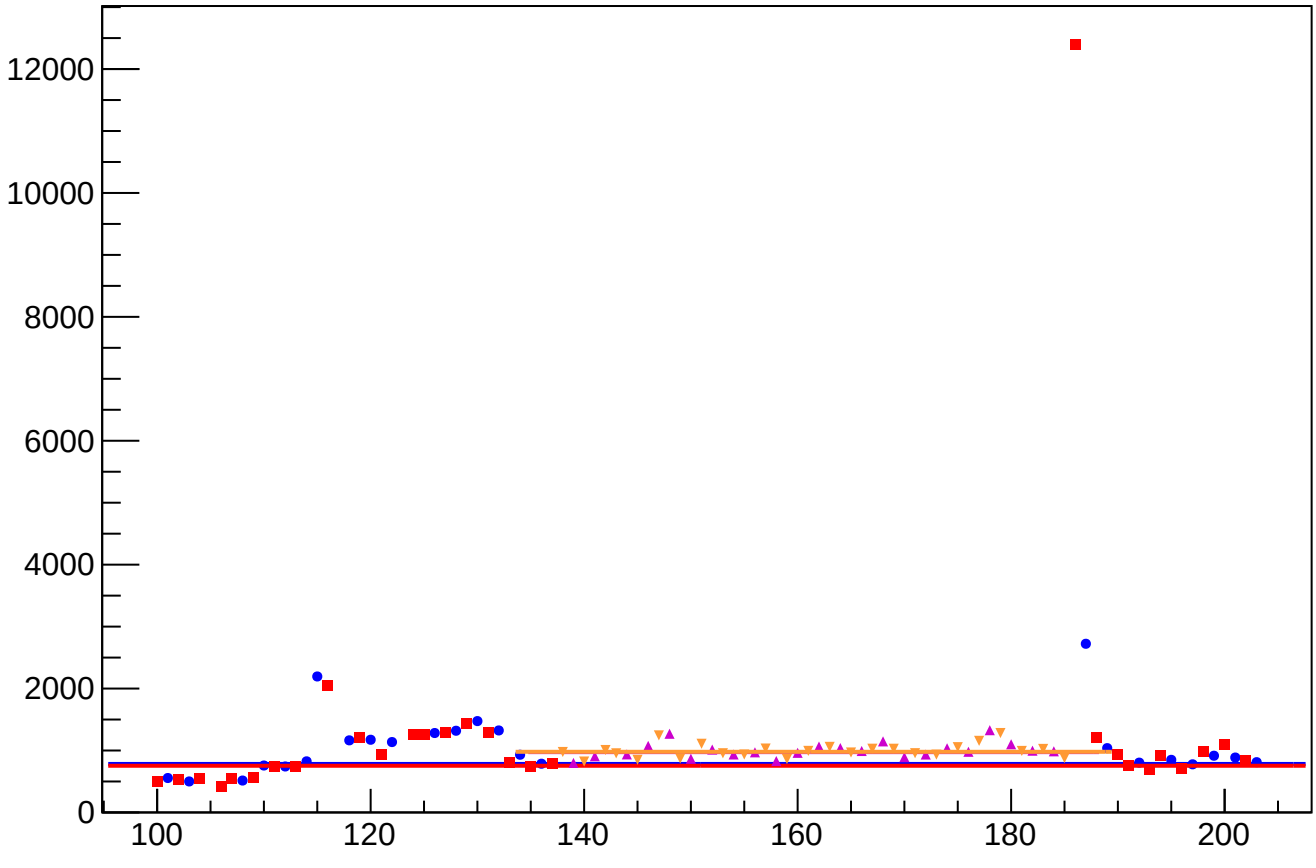
Left: -158.362+/-160.602 χ^2/NDF: 53.8/47

Right: 205.374+/-154.945 χ^2/NDF: 47.6/52

In: 1.282+/-161.413 χ^2/NDF:51.8/46

Out: 56.266+/-154.227 χ^2/NDF:52.2/53

All: 30.026+/-111.509 χ^2/NDF: 104.1/100



Right In: 782.952+/-0.160 χ^2/NDF: 2208123.1/23

Left Out: 979.112+/-0.159 χ^2/NDF:429793.5/24

Right Out: 753.888+/-0.150 χ^2/NDF: 3321756.7/28

Left In: 973.818+/-0.162 χ^2/NDF:498615.1/22

Left: 976.526+/-0.114 χ^2/NDF: 928951.7/47

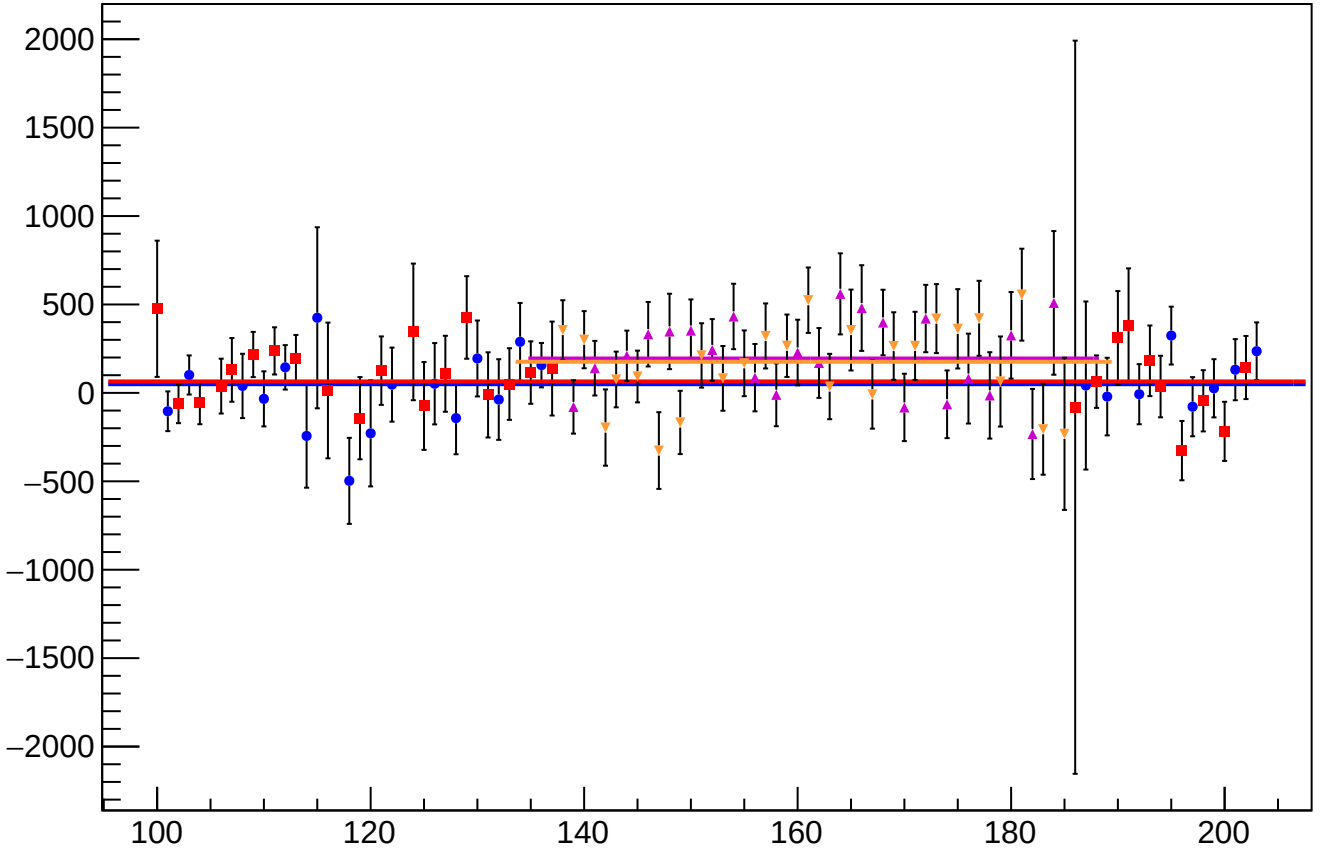
Right: 767.454+/-0.110 χ^2/NDF: 5547394.9/52

In: 877.130+/-0.114 χ^2/NDF:3405732.3/46

Out: 860.129+/-0.109 χ^2/NDF:4814437.2/53

All: 868.243+/-0.079 χ^2/NDF: 8231768.0/100

dit_asym_sam5_mean vs Slug, Sign Corrected



Right In: 49.182+/-36.015 χ^2/NDF: 19.0/23

Left Out: 176.010+/-38.838 χ^2/NDF:30.8/24

Right Out: 64.758+/-33.856 χ^2/NDF: 23.3/28

Left In: 194.324+/-40.384 χ^2/NDF:23.8/22

Left: 184.810+/-27.993 χ^2/NDF: 54.7/47

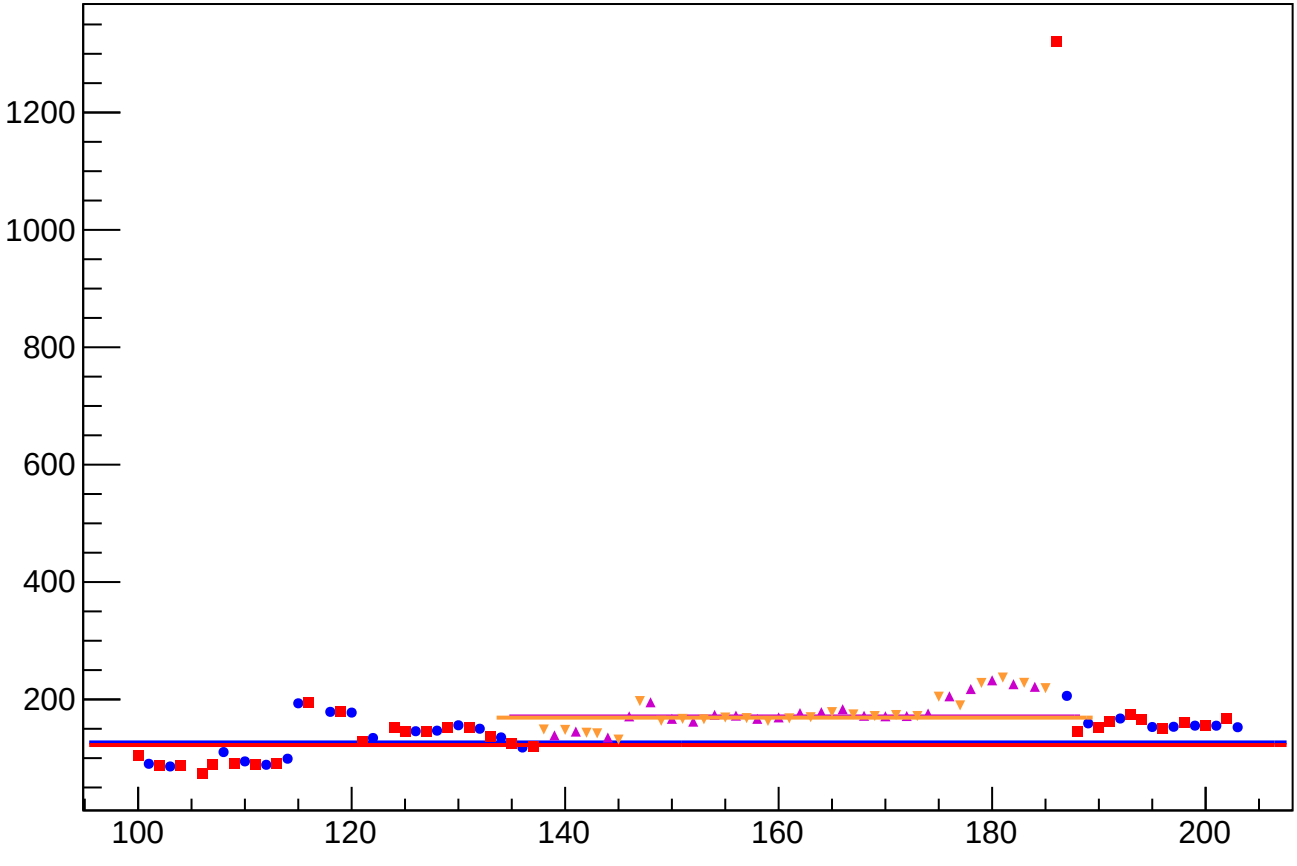
Right: 57.451+/-24.668 χ^2/NDF: 42.3/52

In: 113.481+/-26.879 χ^2/NDF:50.0/46

Out: 112.796+/-25.521 χ^2/NDF:58.7/53

All: 113.121+/-18.507 χ^2/NDF: 108.7/100

dit_asym_sam5_rms vs Slug, Sign Corrected



Right In: 126.734+/-0.025 χ^2/NDF: 1559572.7/23

Left Out: 169.009+/-0.027 χ^2/NDF:773937.9/24

Right Out: 122.339+/-0.024 χ^2/NDF: 2728482.5/28

Left In: 171.021+/-0.029 χ^2/NDF:678106.1/22

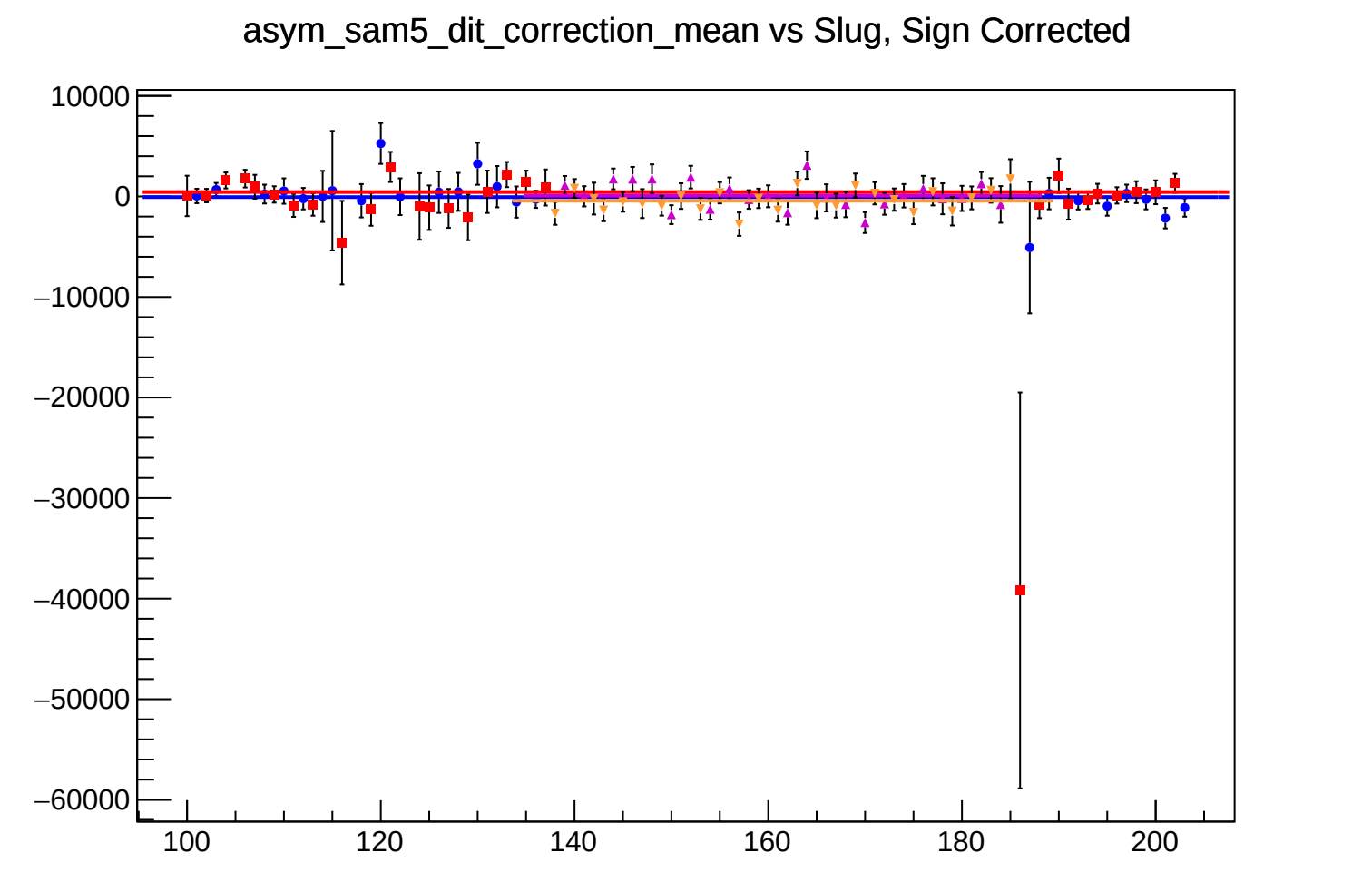
Left: 169.976+/-0.020 χ^2/NDF: 1454622.7/47

Right: 124.401+/-0.017 χ^2/NDF: 4303864.8/52

In: 146.354+/-0.019 χ^2/NDF:3577414.9/46

Out: 142.491+/-0.018 χ^2/NDF:5143405.3/53

All: 144.322+/-0.013 χ^2/NDF: 8742538.6/100



Right In: -66.748+/-234.932 χ^2/NDF: 19.1/23

Left Out: -425.819+/-232.561 χ^2/NDF:18.4/24

Right Out: 435.675+/-219.208 χ^2/NDF: 27.1/28

Left In: 86.486+/-238.155 χ^2/NDF:32.4/22

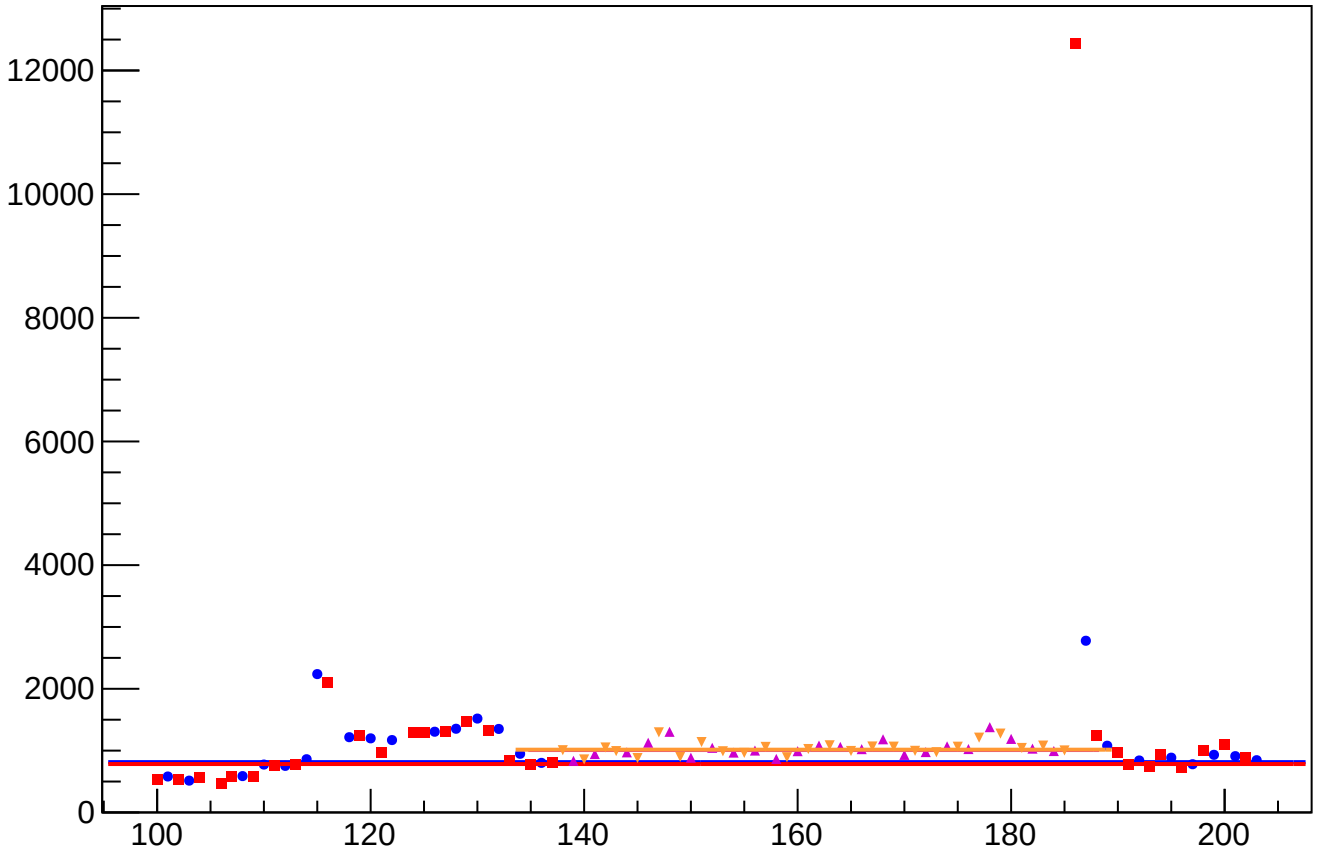
Left: -175.754+/-166.388 χ^2/NDF: 53.2/47

Right: 201.839+/-160.274 χ^2/NDF: 48.6/52

In: 8.825+/-167.250 χ^2/NDF:51.7/46

Out: 30.369+/-159.515 χ^2/NDF:52.7/53

All: 20.107+/-115.432 χ^2/NDF: 104.4/100



Right In: 813.892+/-0.166 χ^2/NDF: 2084589.7/23

Left Out: 1015.046+/-0.164 χ^2/NDF:397966.2/24

Right Out: 783.063+/-0.155 χ^2/NDF: 3175244.0/28

Left In: 1009.672+/-0.168 χ^2/NDF:498783.5/22

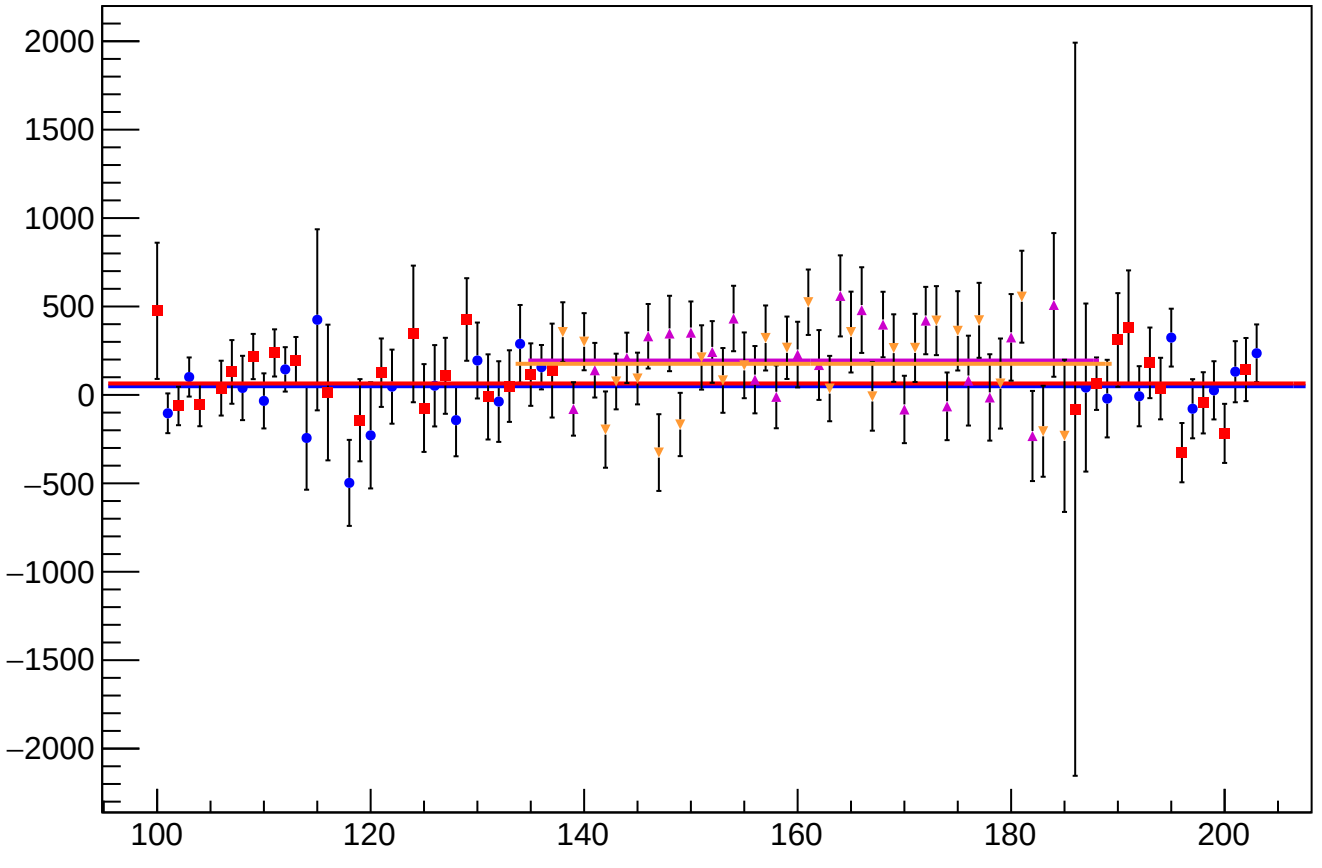
Left: 1012.423+/-0.118 χ^2/NDF: 897271.1/47

Right: 797.411+/-0.113 χ^2/NDF: 5278245.2/52

In: 910.449+/-0.118 χ^2/NDF:3268378.4/46

Out: 892.204+/-0.113 χ^2/NDF:4627020.8/53

All: 900.895+/-0.082 χ^2/NDF: 7907862.4/100



Right In: 49.182+/-36.015 χ^2/NDF: 19.0/23

Left Out: 176.011+/-38.838 χ^2/NDF:30.8/24

Right Out: 64.758+/-33.856 χ^2/NDF: 23.3/28

Left In: 194.324+/-40.384 χ^2/NDF:23.8/22

Left: 184.810+/-27.993 χ^2/NDF: 54.7/47

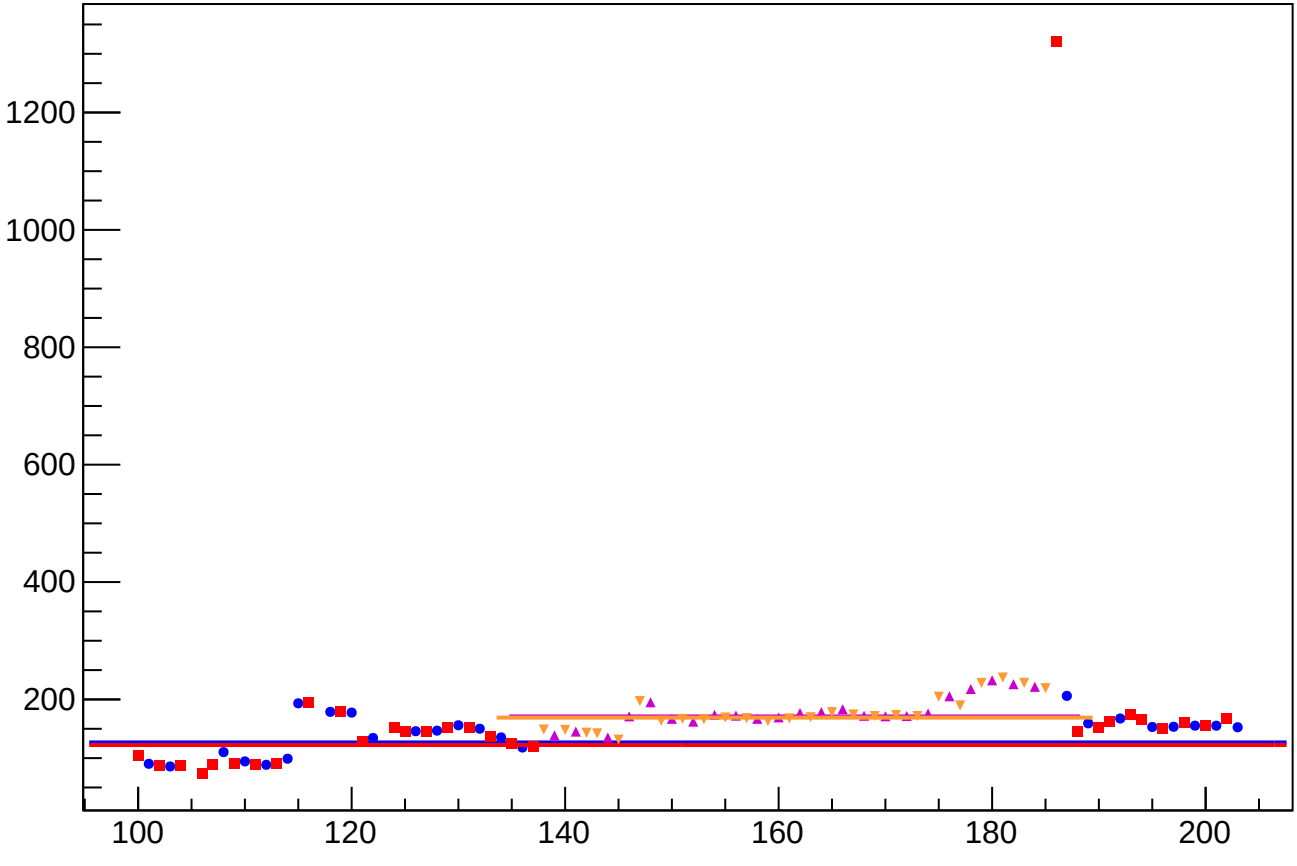
Right: 57.451+/-24.668 χ^2/NDF: 42.3/52

In: 113.481+/-26.879 χ^2/NDF:50.0/46

Out: 112.797+/-25.521 χ^2/NDF:58.7/53

All: 113.121+/-18.507 χ^2/NDF: 108.7/100

eigen_dit_asym_sam5_rms vs Slug, Sign Corrected



Right In: 126.734+/-0.025 χ^2/NDF: 1559580.3/23

Left Out: 169.009+/-0.027 χ^2/NDF:773925.9/24

Right Out: 122.339+/-0.024 χ^2/NDF: 2728488.1/28

Left In: 171.021+/-0.029 χ^2/NDF:678096.1/22

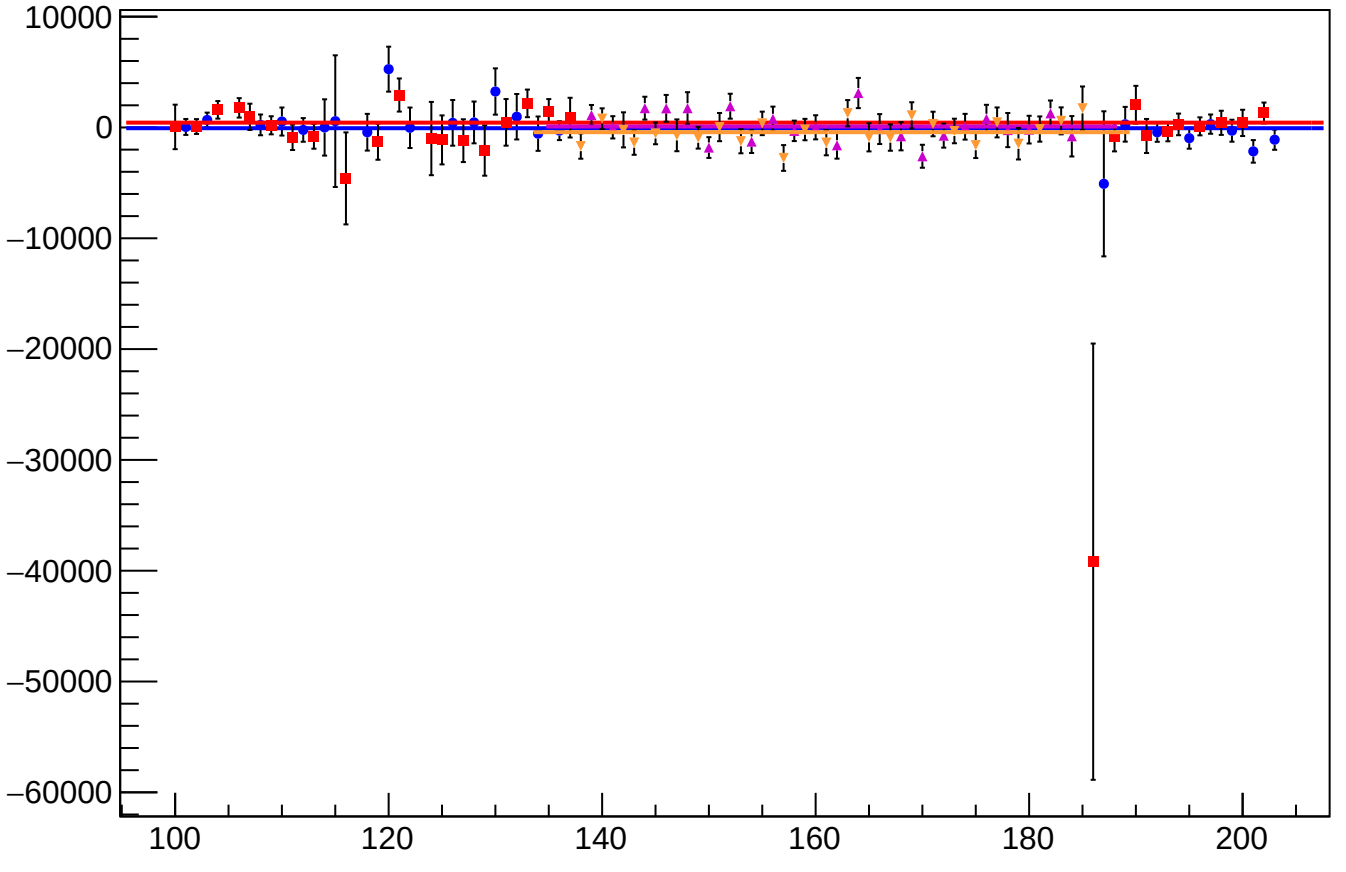
Left: 169.976+/-0.020 χ^2/NDF: 1454601.1/47

Right: 124.401+/-0.017 χ^2/NDF: 4303877.3/52

In: 146.353+/-0.019 χ^2/NDF:3577443.9/46

Out: 142.491+/-0.018 χ^2/NDF:5143418.1/53

All: 144.322+/-0.013 χ^2/NDF: 8742580.4/100



Right In: -66.747+/-234.932 χ^2/NDF: 19.1/23

Left Out: -425.818+/-232.561 χ^2/NDF:18.4/24

Right Out: 435.675+/-219.208 χ^2/NDF: 27.1/28

Left In: 86.487+/-238.155 χ^2/NDF:32.4/22

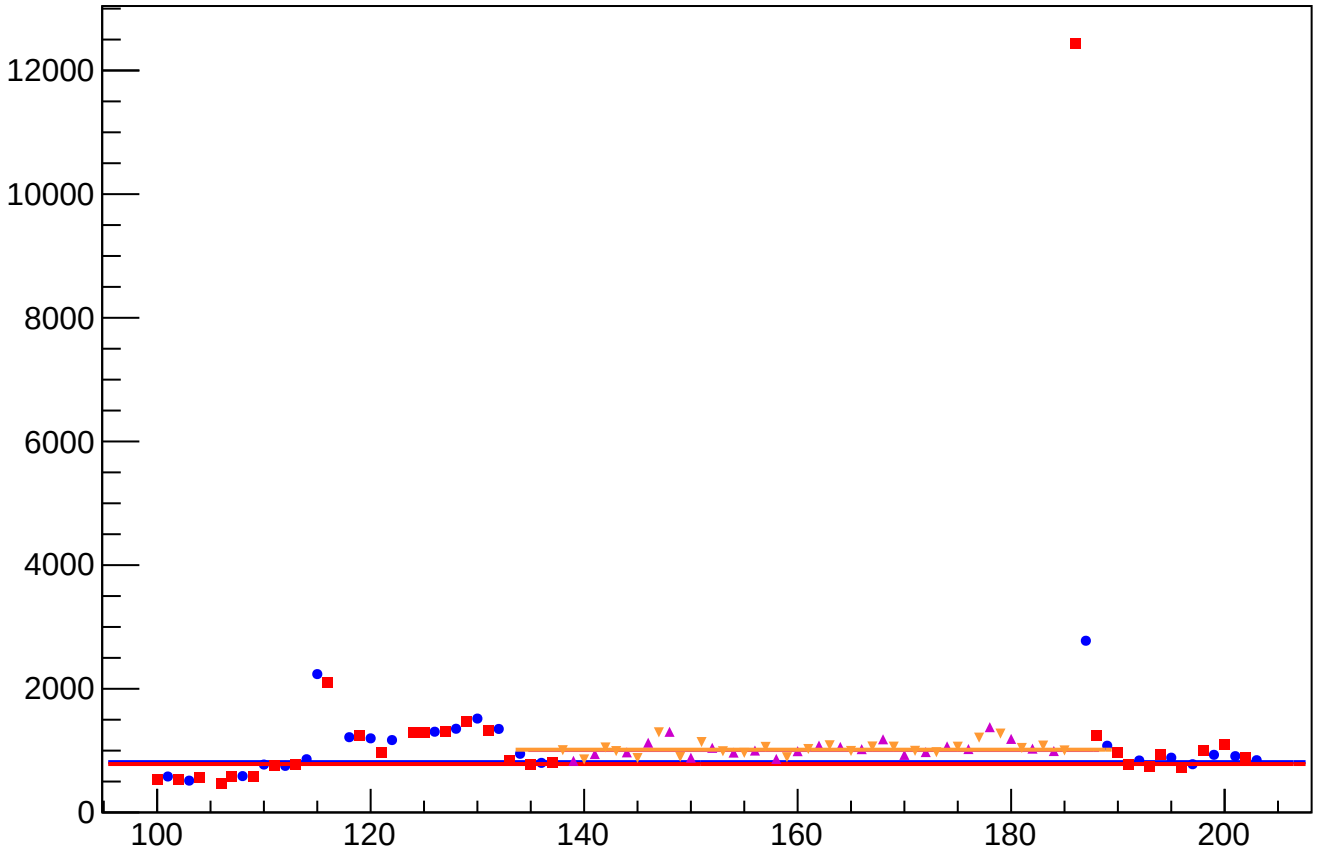
Left: -175.753+/-166.388 χ^2/NDF: 53.2/47

Right: 201.840+/-160.274 χ^2/NDF: 48.6/52

In: 8.826+/-167.250 χ^2/NDF:51.7/46

Out: 30.370+/-159.515 χ^2/NDF:52.7/53

All: 20.108+/-115.432 χ^2/NDF: 104.4/100



Right In: 813.892+/-0.166 χ^2/NDF: 2084592.2/23

Left Out: 1015.047+/-0.164 χ^2/NDF:397964.6/24

Right Out: 783.062+/-0.155 χ^2/NDF: 3175252.2/28

Left In: 1009.673+/-0.168 χ^2/NDF:498783.6/22

Left: 1012.424+/-0.118 χ^2/NDF: 897269.4/47

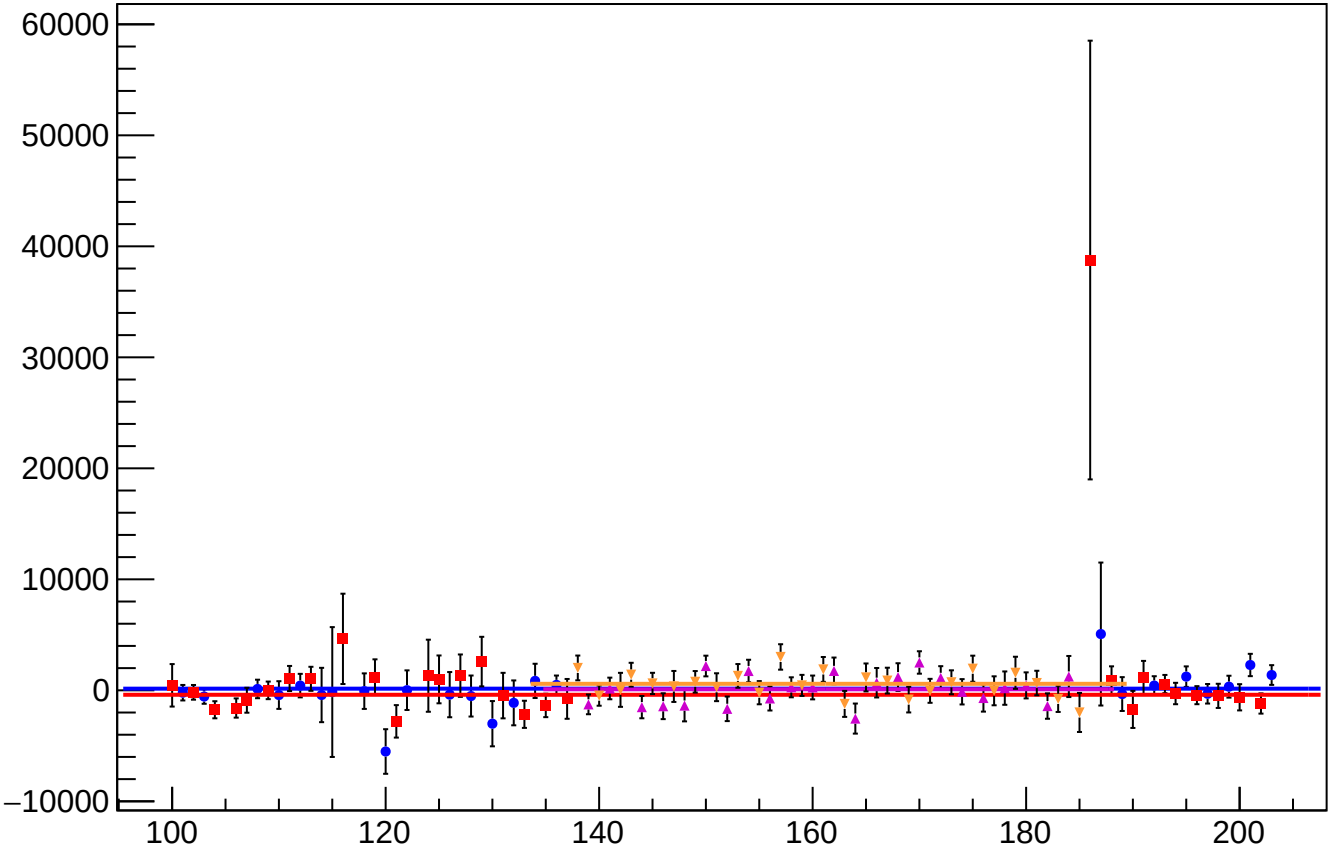
Right: 797.411+/-0.113 χ^2/NDF: 5278255.9/52

In: 910.449+/-0.118 χ^2/NDF:3268392.7/46

Out: 892.204+/-0.113 χ^2/NDF:4627039.9/53

All: 900.895+/-0.082 χ^2/NDF: 7907895.8/100

asym_sam5_mean vs Slug, Sign Corrected



Right In: 149.226+/-229.582 χ^2/NDF: 22.0/23

Left Out: 586.188+/-227.585 χ^2/NDF:20.8/24

Right Out: -400.807+/-214.931 χ^2/NDF: 29.3/28

Left In: 92.688+/-233.019 χ^2/NDF:34.6/22

Left: 345.259+/-162.814 χ^2/NDF: 57.6/47

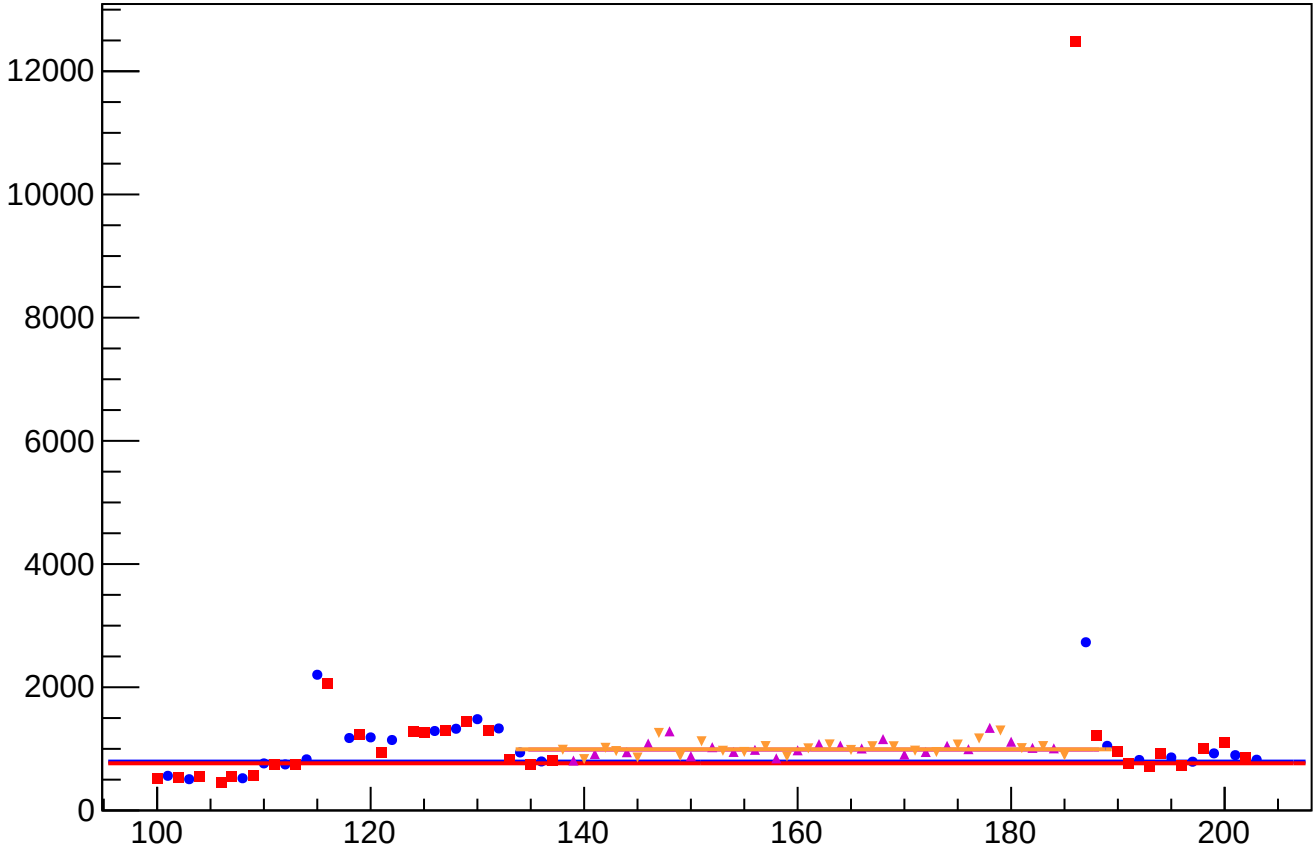
Right: -143.899+/-156.903 χ^2/NDF: 54.4/52

In: 121.377+/-163.541 χ^2/NDF:56.6/46

Out: 64.489+/-156.261 χ^2/NDF:60.0/53

All: 91.639+/-112.979 χ^2/NDF: 116.7/100

asym_sam5_rms vs Slug, Sign Corrected



Right In: 793.146+/-0.162 χ^2/NDF: 2186049.9/23

Left Out: 992.549+/-0.161 χ^2/NDF:424899.6/24

Right Out: 765.560+/-0.152 χ^2/NDF: 3256851.6/28

Left In: 987.784+/-0.165 χ^2/NDF:487733.2/22

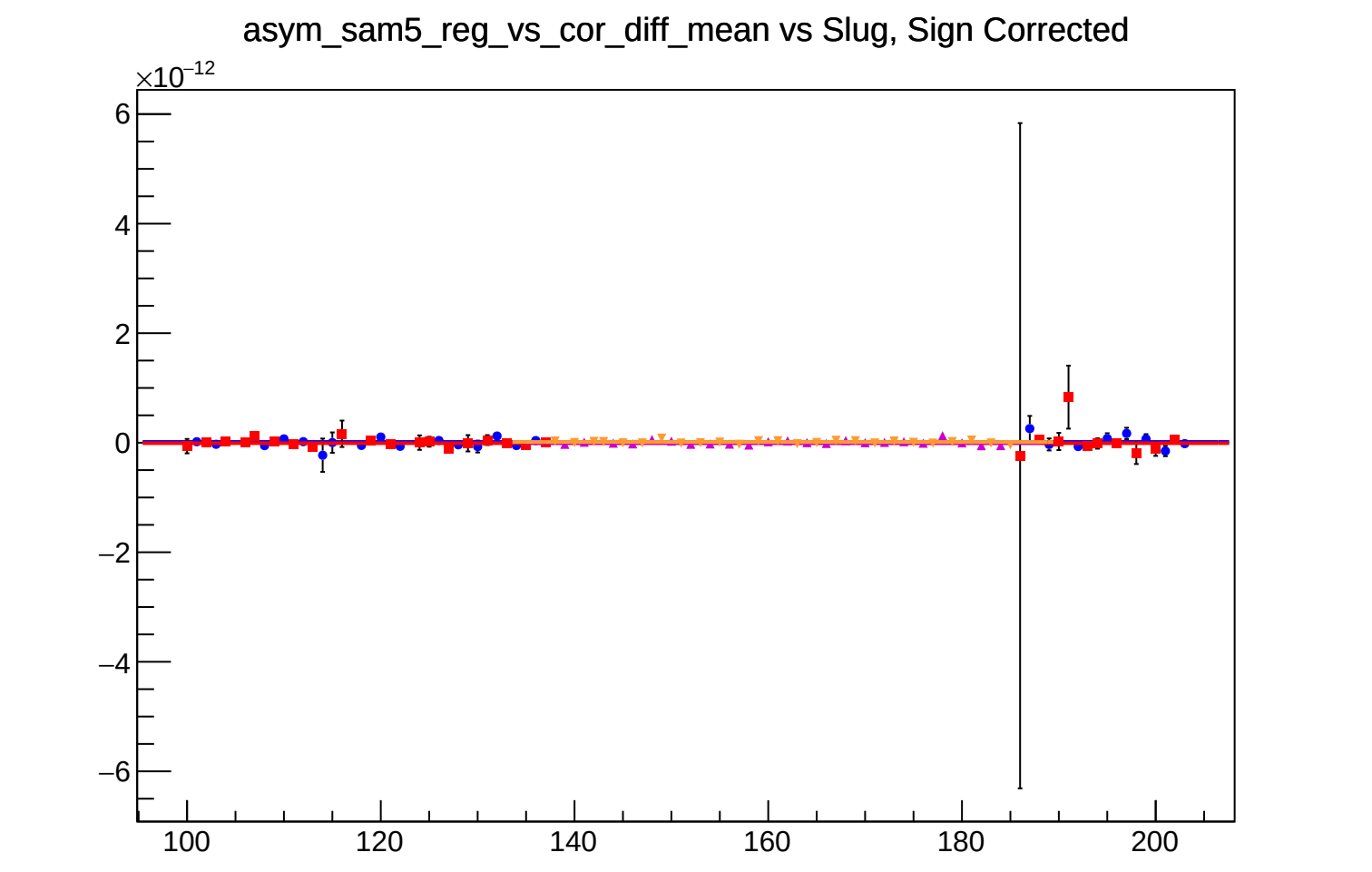
Left: 990.223+/-0.115 χ^2/NDF: 913060.8/47

Right: 778.445+/-0.111 χ^2/NDF: 5458290.6/52

In: 889.019+/-0.116 χ^2/NDF:3381856.9/46

Out: 872.569+/-0.110 χ^2/NDF:4733370.3/53

All: 880.419+/-0.080 χ^2/NDF: 8125805.5/100



Right In: 0.000+/-0.000 χ^2/NDF: 27.2/23

Left Out: 0.000+/-0.000 χ^2/NDF:23.1/24

Right Out: -0.000+/-0.000 χ^2/NDF: 20.3/28

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

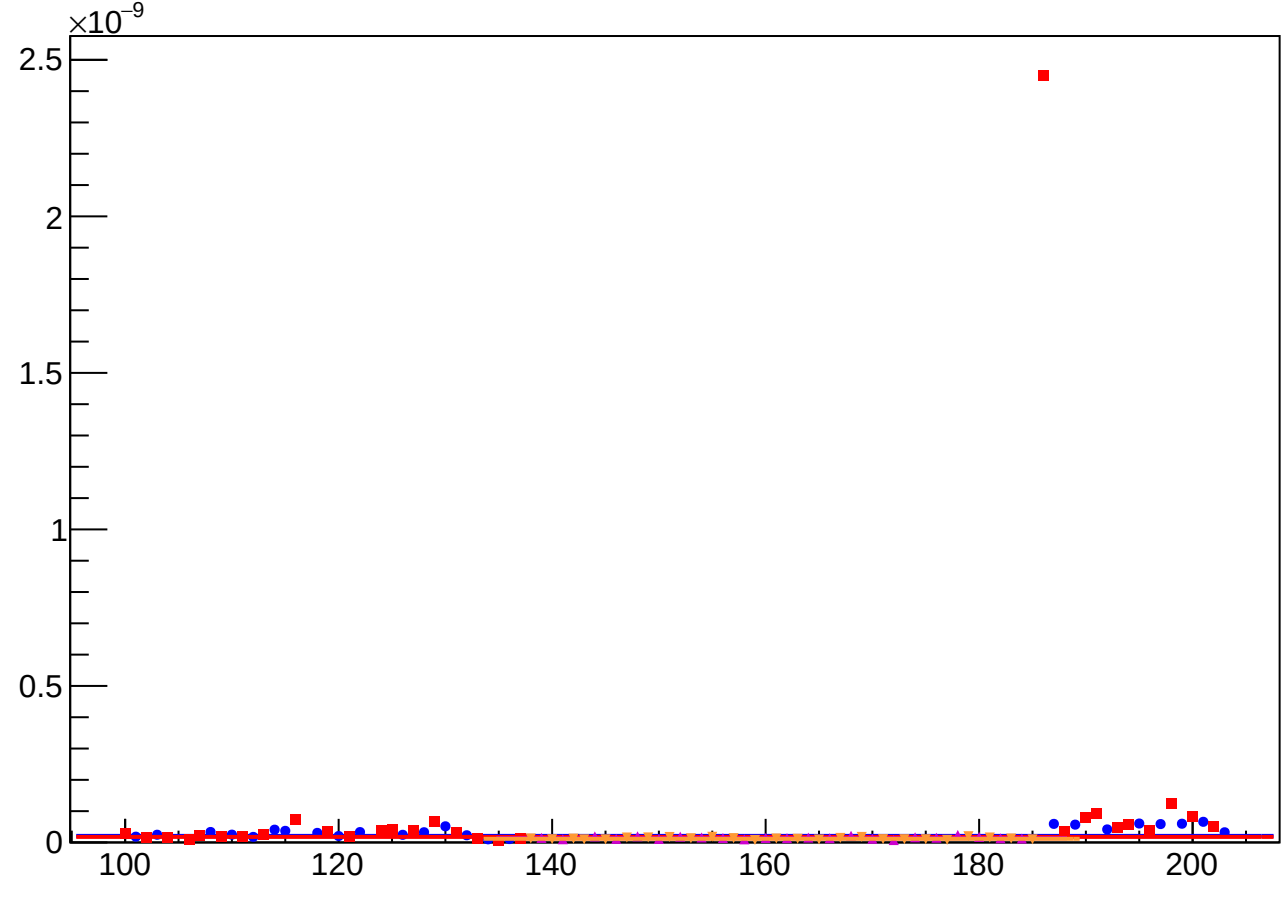
Left: 0.000+/-0.000 χ^2/NDF: 56.5/47

Right: 0.000+/-0.000 χ^2/NDF: 50.3/52

In: 0.000+/-0.000 χ^2/NDF:57.4/46

Out: 0.000+/-0.000 χ^2/NDF:48.3/53

All: 0.000+/-0.000 χ^2/NDF: 107.3/100



Right In: 0.000+/-0.000 χ^2/NDF: 3352442.7/23

Left Out: 0.000+/-0.000 χ^2/NDF:762184.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 5157493.3/28

Left In: 0.000+/-0.000 χ^2/NDF:853838.4/22

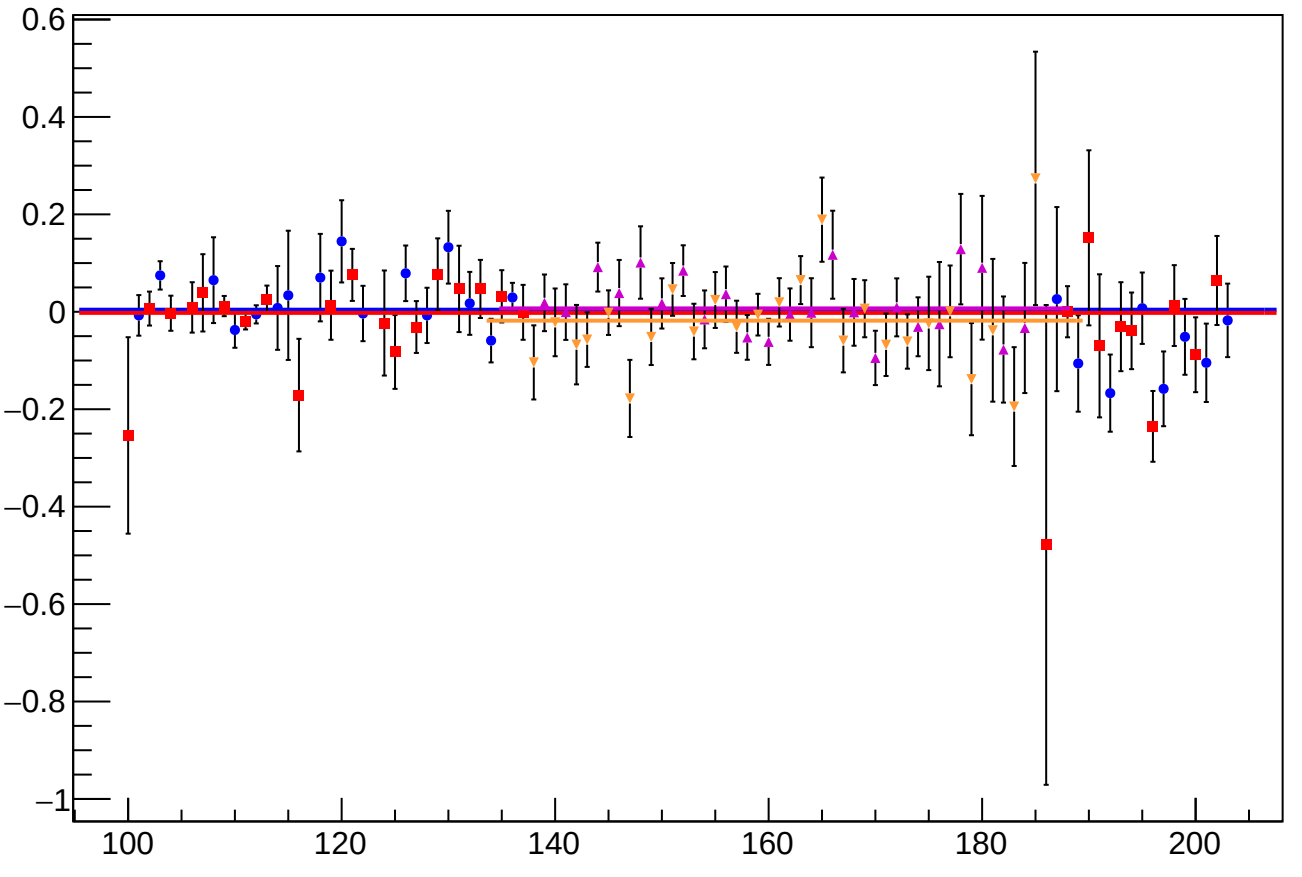
Left: 0.000+/-0.000 χ^2/NDF: 1727958.5/47

Right: 0.000+/-0.000 χ^2/NDF: 8624418.3/52

In: 0.000+/-0.000 χ^2/NDF:5082430.0/46

Out: 0.000+/-0.000 χ^2/NDF:6639963.8/53

All: 0.000+/-0.000 χ^2/NDF: 11946609.8/100



Right In: 0.004+/-0.010 χ^2/NDF: 31.6/23

Left Out: -0.018+/-0.013 χ^2/NDF:24.3/24

Right Out: -0.002+/-0.009 χ^2/NDF: 27.0/28

Left In: 0.007+/-0.013 χ^2/NDF:18.7/22

Left: -0.006+/-0.009 χ^2/NDF: 44.9/47

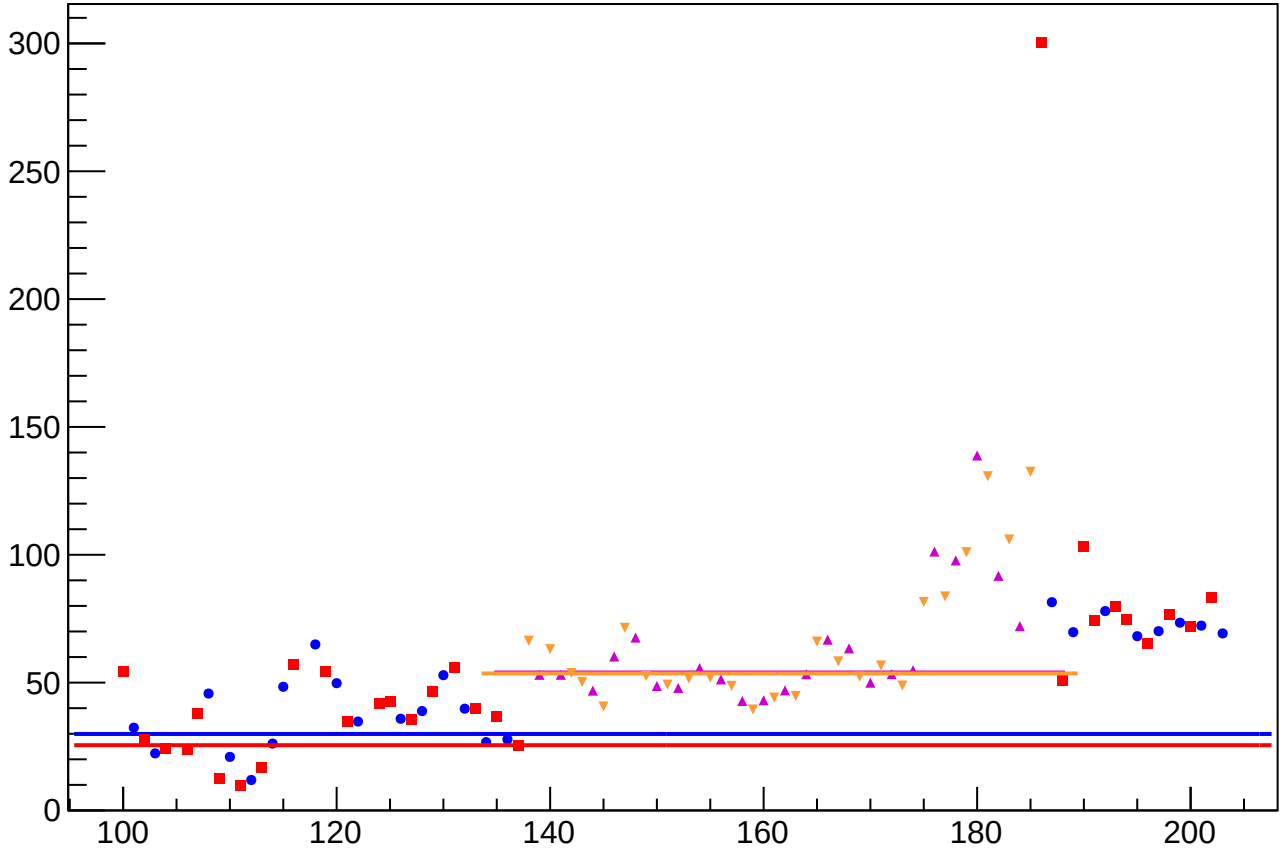
Right: 0.001+/-0.007 χ^2/NDF: 58.9/52

In: 0.005+/-0.008 χ^2/NDF:50.4/46

Out: -0.007+/-0.007 χ^2/NDF:52.4/53

All: -0.002+/-0.005 χ^2/NDF: 104.1/100

asym_sam5_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 29.919+/-0.007 χ^2/NDF: 7021603.0/23

Left Out: 53.582+/-0.009 χ^2/NDF:2642509.0/24

Right Out: 25.524+/-0.006 χ^2/NDF: 10239081.4/28

Left In: 53.961+/-0.009 χ^2/NDF:2039530.1/22

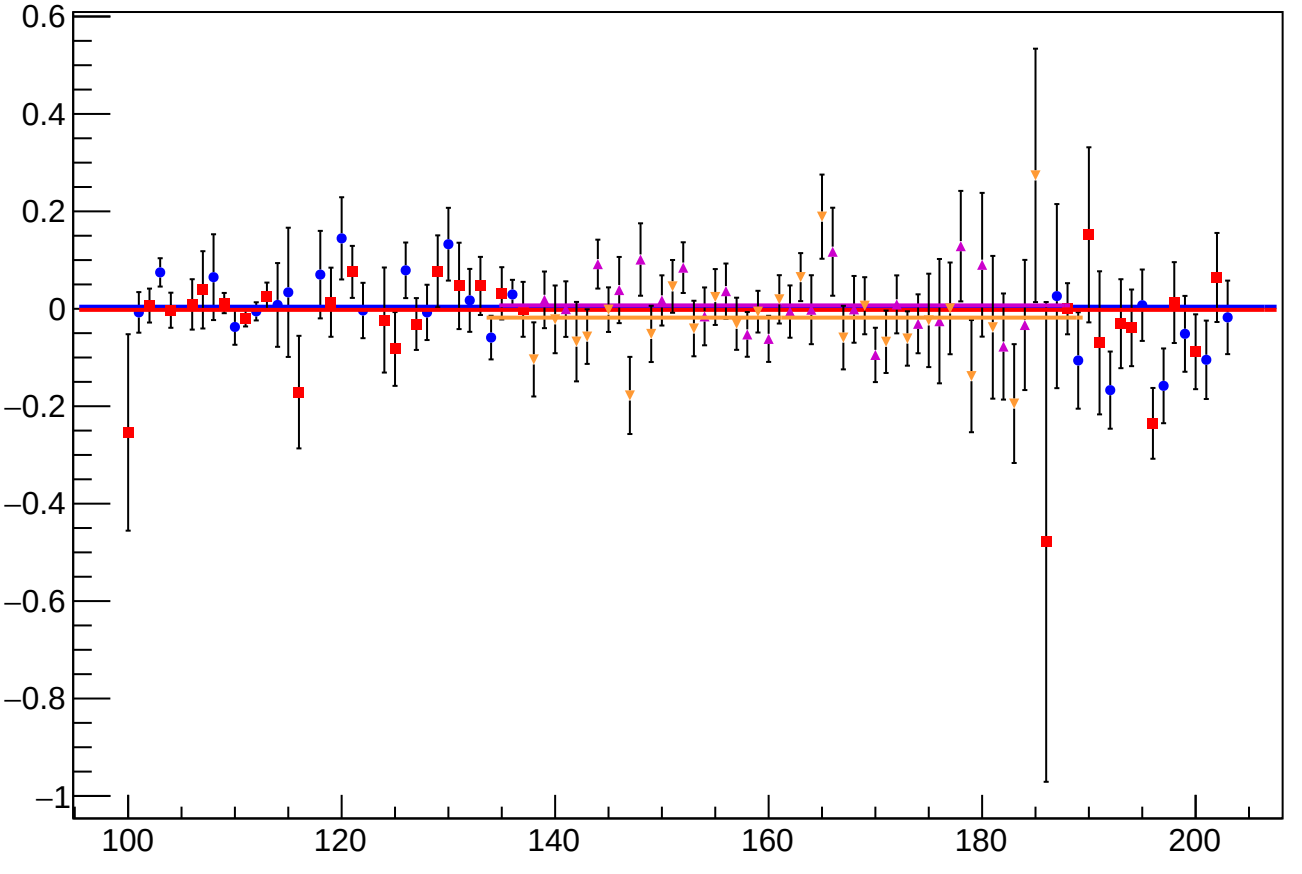
Left: 53.766+/-0.006 χ^2/NDF: 4682889.4/47

Right: 27.434+/-0.005 χ^2/NDF: 17480457.7/52

In: 38.657+/-0.006 χ^2/NDF:13288963.3/46

Out: 34.442+/-0.005 χ^2/NDF:19436188.3/53

All: 36.345+/-0.004 χ^2/NDF: 33033165.0/100



Right In: 0.004+/-0.010 χ^2/NDF: 31.6/23

Left Out: -0.018+/-0.013 χ^2/NDF:24.3/24

Right Out: -0.002+/-0.009 χ^2/NDF: 27.0/28

Left In: 0.007+/-0.013 χ^2/NDF:18.7/22

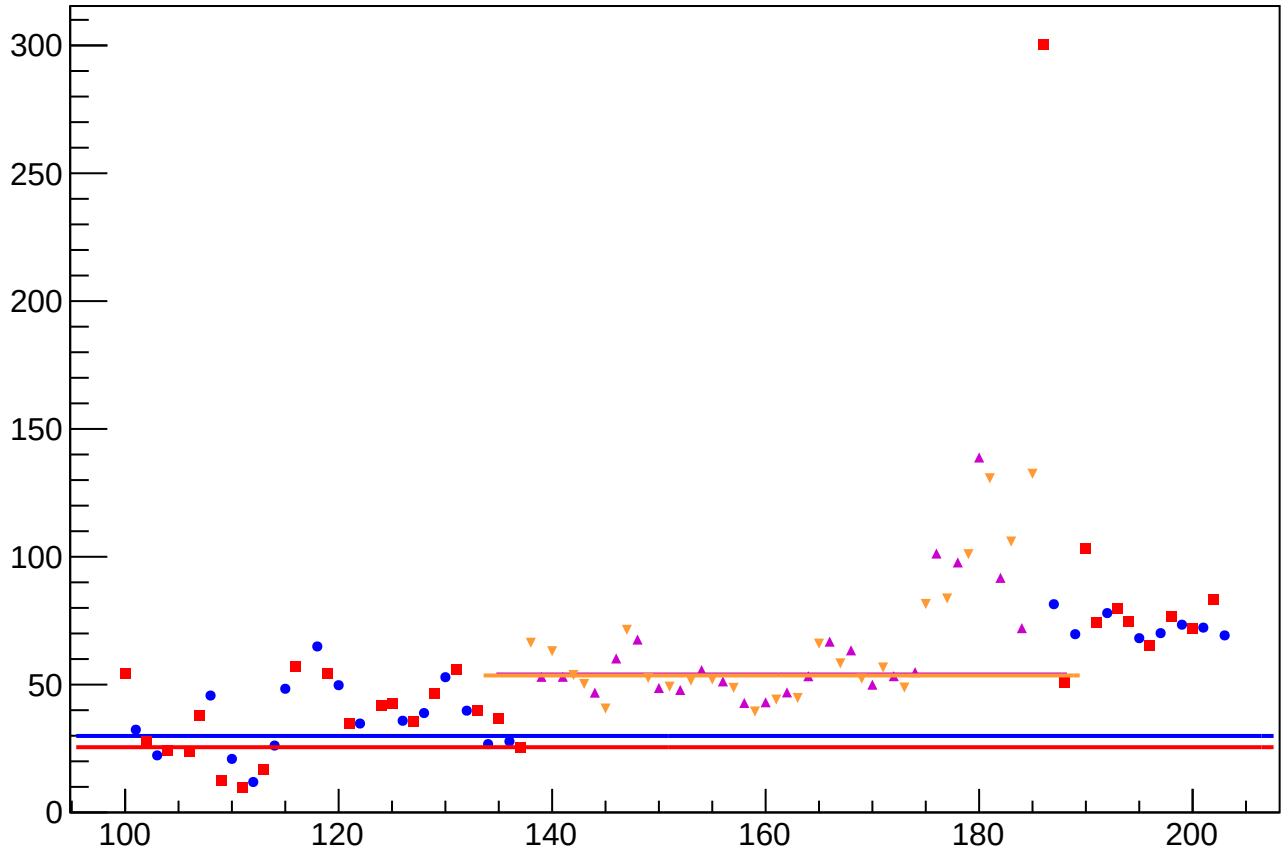
Left: -0.006+/-0.009 χ^2/NDF: 44.9/47

Right: 0.001+/-0.007 χ^2/NDF: 58.9/52

In: 0.005+/-0.008 χ^2/NDF:50.4/46

Out: -0.007+/-0.007 χ^2/NDF:52.4/53

All: -0.002+/-0.005 χ^2/NDF: 104.1/100



Right In: 29.919+/-0.007 χ^2/NDF: 7021603.0/23

Left Out: 53.582+/-0.009 χ^2/NDF:2642509.0/24

Right Out: 25.524+/-0.006 χ^2/NDF: 10239081.4/28

Left In: 53.961+/-0.009 χ^2/NDF:2039530.1/22

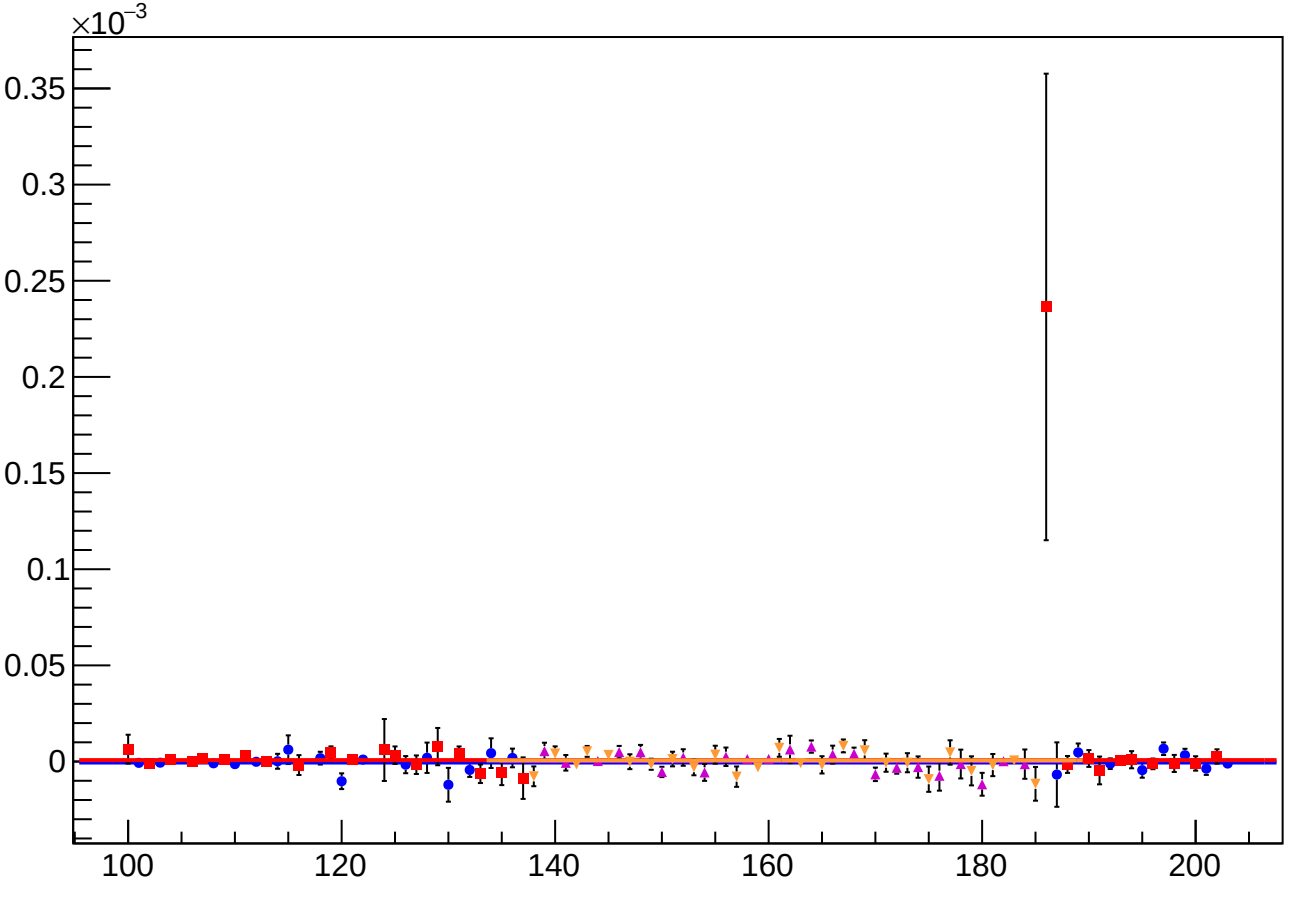
Left: 53.766+/-0.006 χ^2/NDF: 4682889.4/47

Right: 27.434+/-0.005 χ^2/NDF: 17480457.7/52

In: 38.657+/-0.006 χ^2/NDF:13288963.3/46

Out: 34.442+/-0.005 χ^2/NDF:19436188.3/53

All: 36.345+/-0.004 χ^2/NDF: 33033165.0/100



Right In: -0.000+/-0.000 χ^2/NDF: 20.9/23

Left Out: 0.000+/-0.000 χ^2/NDF:31.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 17.7/28

Left In: 0.000+/-0.000 χ^2/NDF:30.9/22

Left: 0.000+/-0.000 χ^2/NDF: 61.9/47

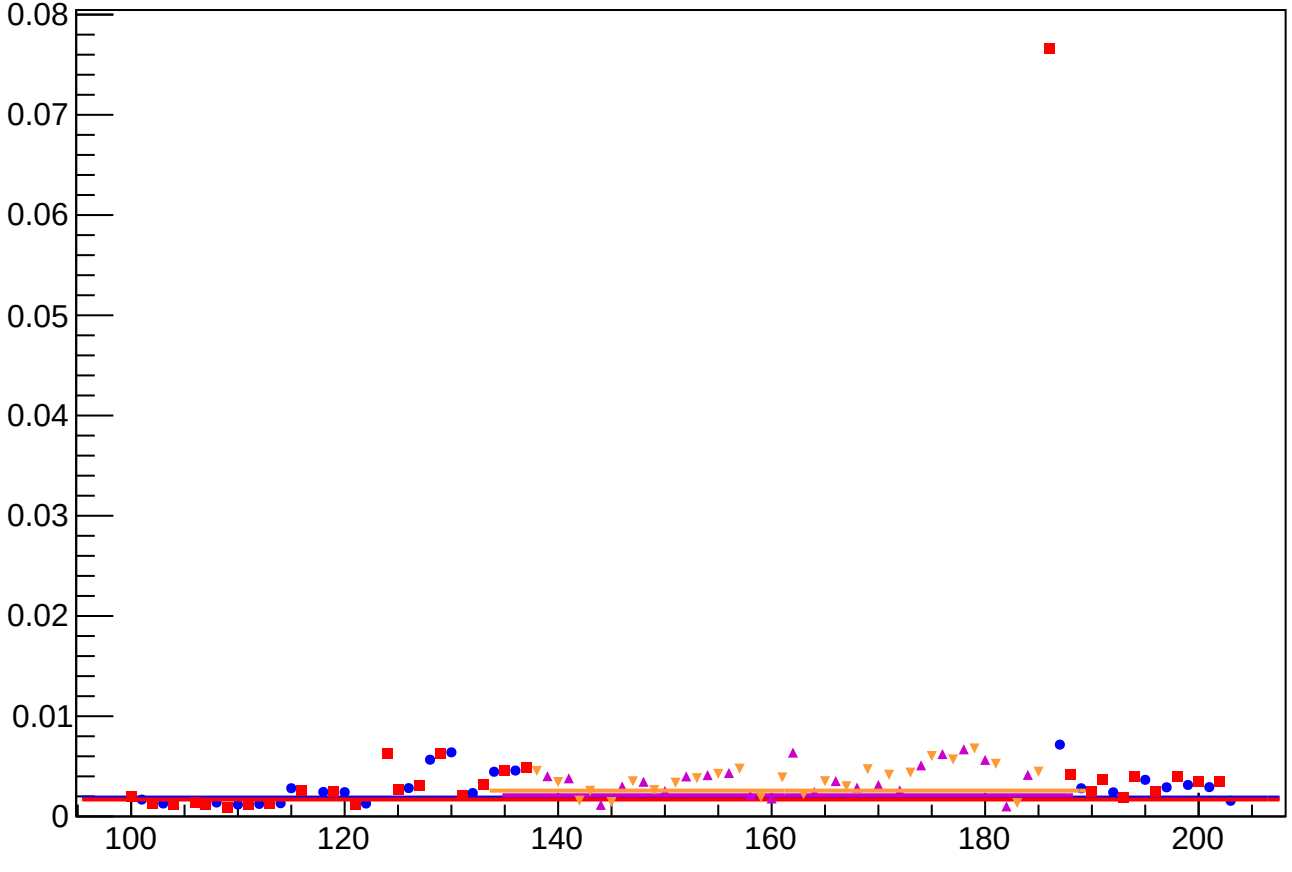
Right: 0.000+/-0.000 χ^2/NDF: 41.1/52

In: -0.000+/-0.000 χ^2/NDF:52.9/46

Out: 0.000+/-0.000 χ^2/NDF:48.7/53

All: 0.000+/-0.000 χ^2/NDF: 103.3/100

asym_sam5_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.002+/-0.000 χ^2/NDF: 4644387.8/23

Left Out: 0.003+/-0.000 χ^2/NDF:7112963.2/24

Right Out: 0.002+/-0.000 χ^2/NDF: 7209786.4/28

Left In: 0.002+/-0.000 χ^2/NDF:9487138.7/22

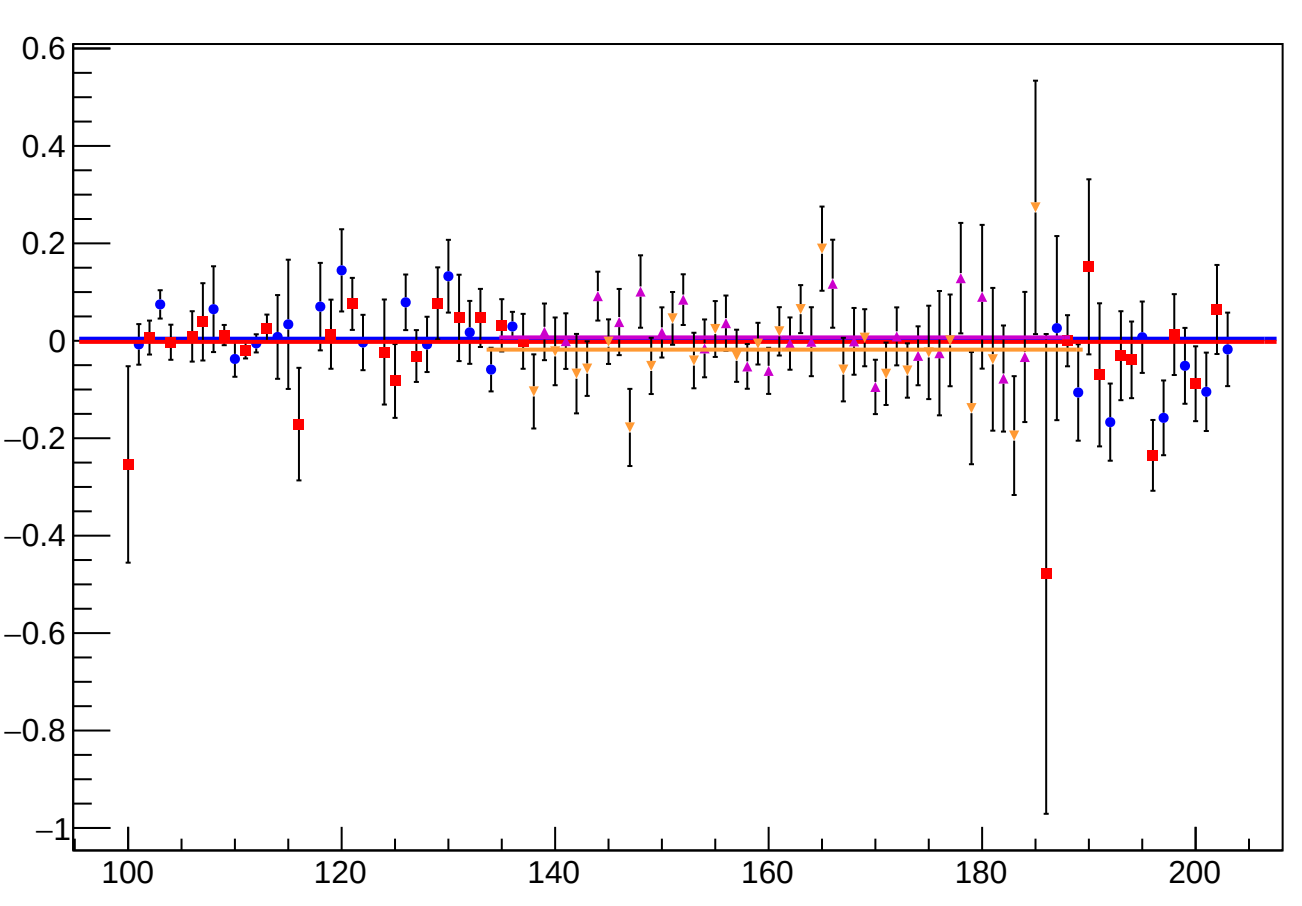
Left: 0.002+/-0.000 χ^2/NDF: 17155413.1/47

Right: 0.002+/-0.000 χ^2/NDF: 11970745.0/52

In: 0.002+/-0.000 χ^2/NDF:14284033.5/46

Out: 0.002+/-0.000 χ^2/NDF:16504166.8/53

All: 0.002+/-0.000 χ^2/NDF: 30794877.2/100



Right In: 0.004+/-0.010 χ^2/NDF: 31.6/23

Left Out: -0.018+/-0.013 χ^2/NDF:24.3/24

Right Out: -0.002+/-0.009 χ^2/NDF: 27.0/28

Left In: 0.007+/-0.013 χ^2/NDF:18.7/22

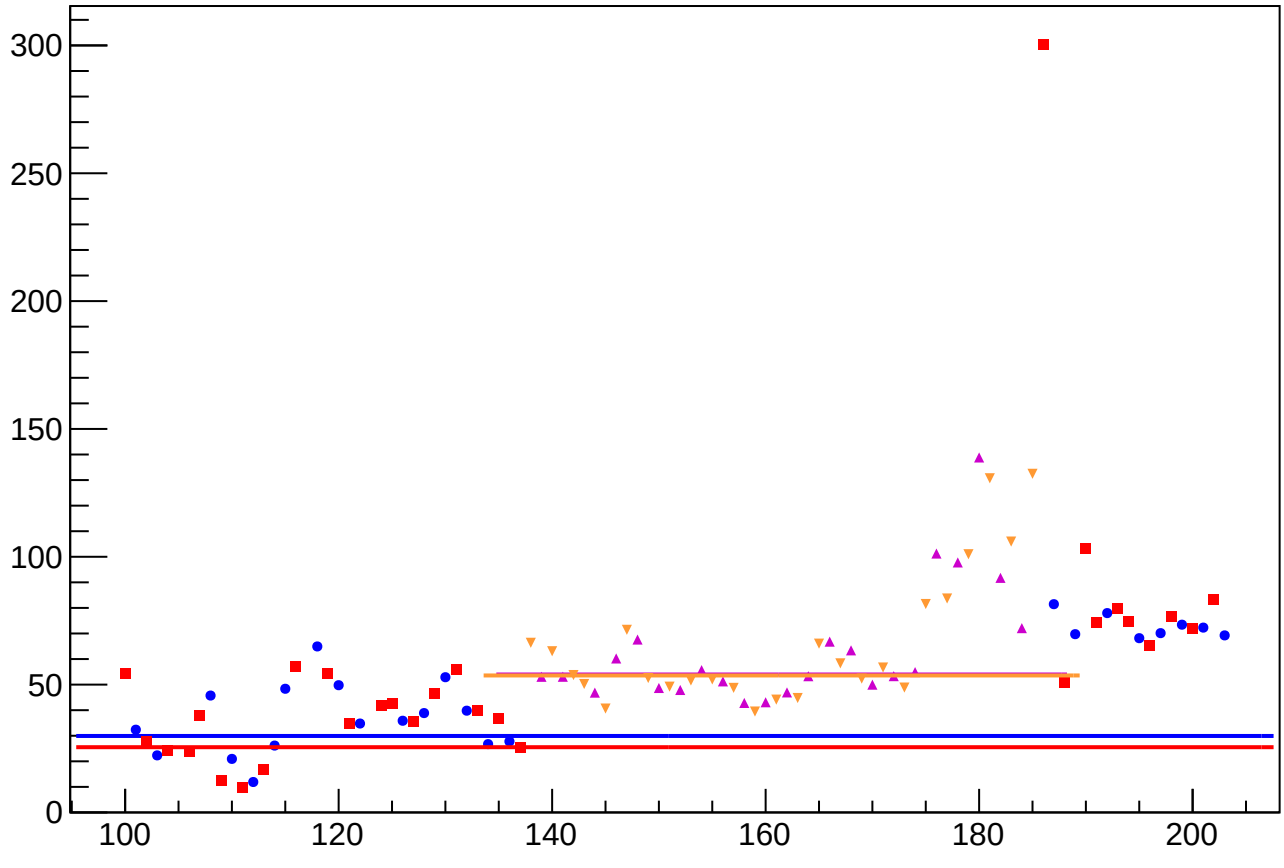
Left: -0.006+/-0.009 χ^2/NDF: 44.9/47

Right: 0.001+/-0.007 χ^2/NDF: 58.9/52

In: 0.005+/-0.008 χ^2/NDF:50.4/46

Out: -0.007+/-0.007 χ^2/NDF:52.4/53

All: -0.002+/-0.005 χ^2/NDF: 104.1/100



Right In: 29.918+/-0.007 χ^2/NDF: 7021677.6/23

Left Out: 53.582+/-0.009 χ^2/NDF:2642554.6/24

Right Out: 25.524+/-0.006 χ^2/NDF: 10239240.9/28

Left In: 53.961+/-0.009 χ^2/NDF:2039571.7/22

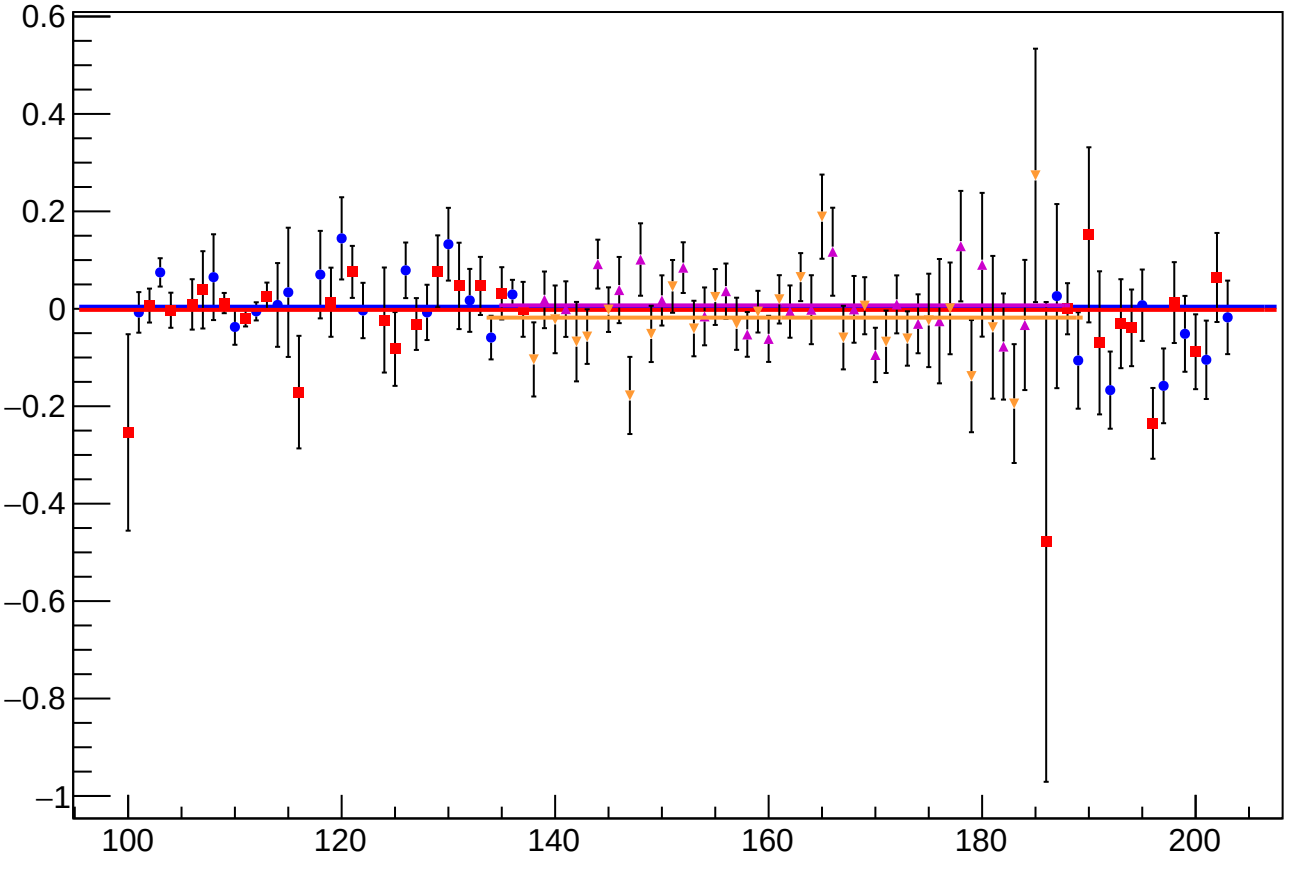
Left: 53.766+/-0.006 χ^2/NDF: 4682976.8/47

Right: 27.433+/-0.005 χ^2/NDF: 17480703.3/52

In: 38.656+/-0.006 χ^2/NDF:13289441.0/46

Out: 34.442+/-0.005 χ^2/NDF:19436873.1/53

All: 36.345+/-0.004 χ^2/NDF: 33034348.0/100



Right In: 0.004+/-0.010 χ^2/NDF: 31.6/23

Left Out: -0.018+/-0.013 χ^2/NDF:24.3/24

Right Out: -0.002+/-0.009 χ^2/NDF: 27.0/28

Left In: 0.007+/-0.013 χ^2/NDF:18.7/22

Left: -0.006+/-0.009 χ^2/NDF: 44.9/47

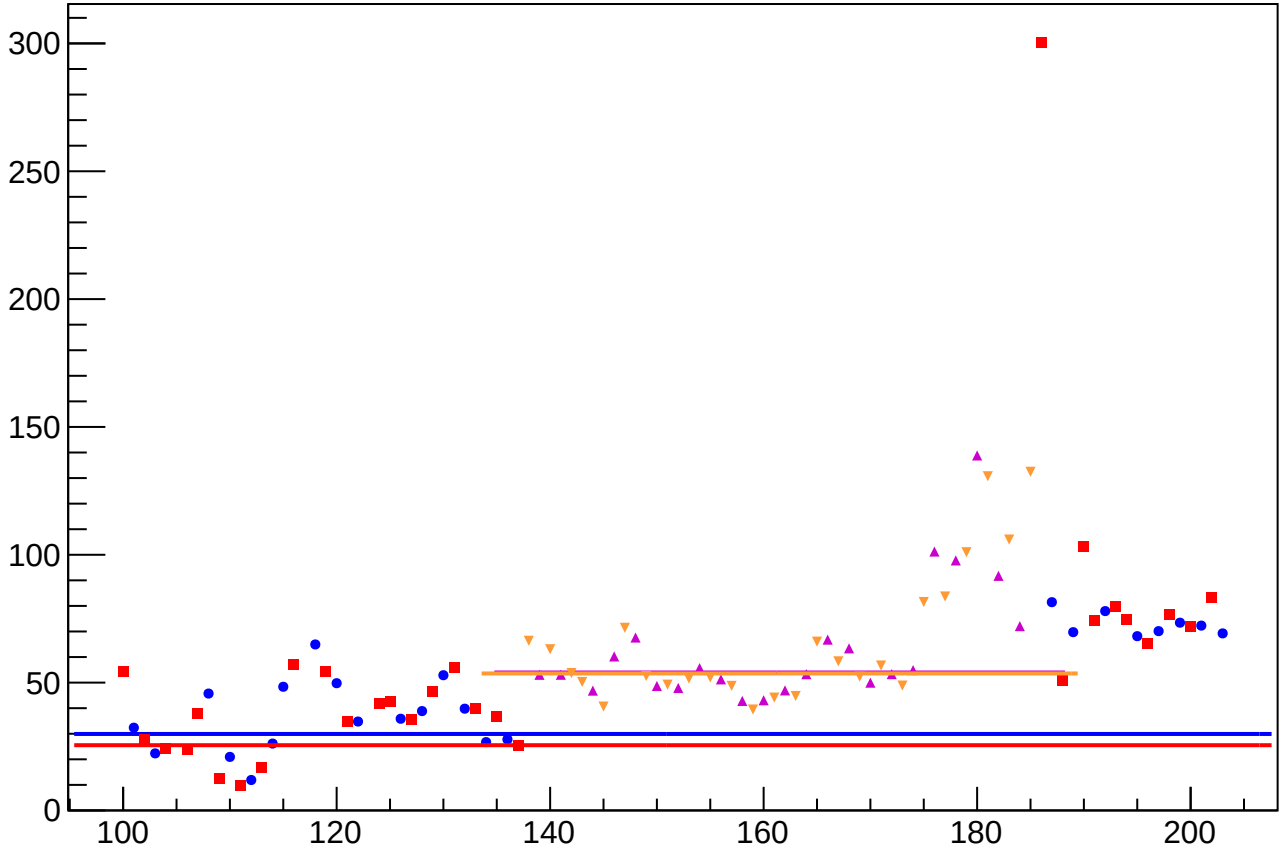
Right: 0.001+/-0.007 χ^2/NDF: 58.9/52

In: 0.005+/-0.008 χ^2/NDF:50.4/46

Out: -0.007+/-0.007 χ^2/NDF:52.4/53

All: -0.002+/-0.005 χ^2/NDF: 104.1/100

asym_sam5_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 29.918+/-0.007 χ^2/NDF: 7021677.6/23

Left Out: 53.582+/-0.009 χ^2/NDF:2642554.6/24

Right Out: 25.524+/-0.006 χ^2/NDF: 10239240.9/28

Left In: 53.961+/-0.009 χ^2/NDF:2039571.7/22

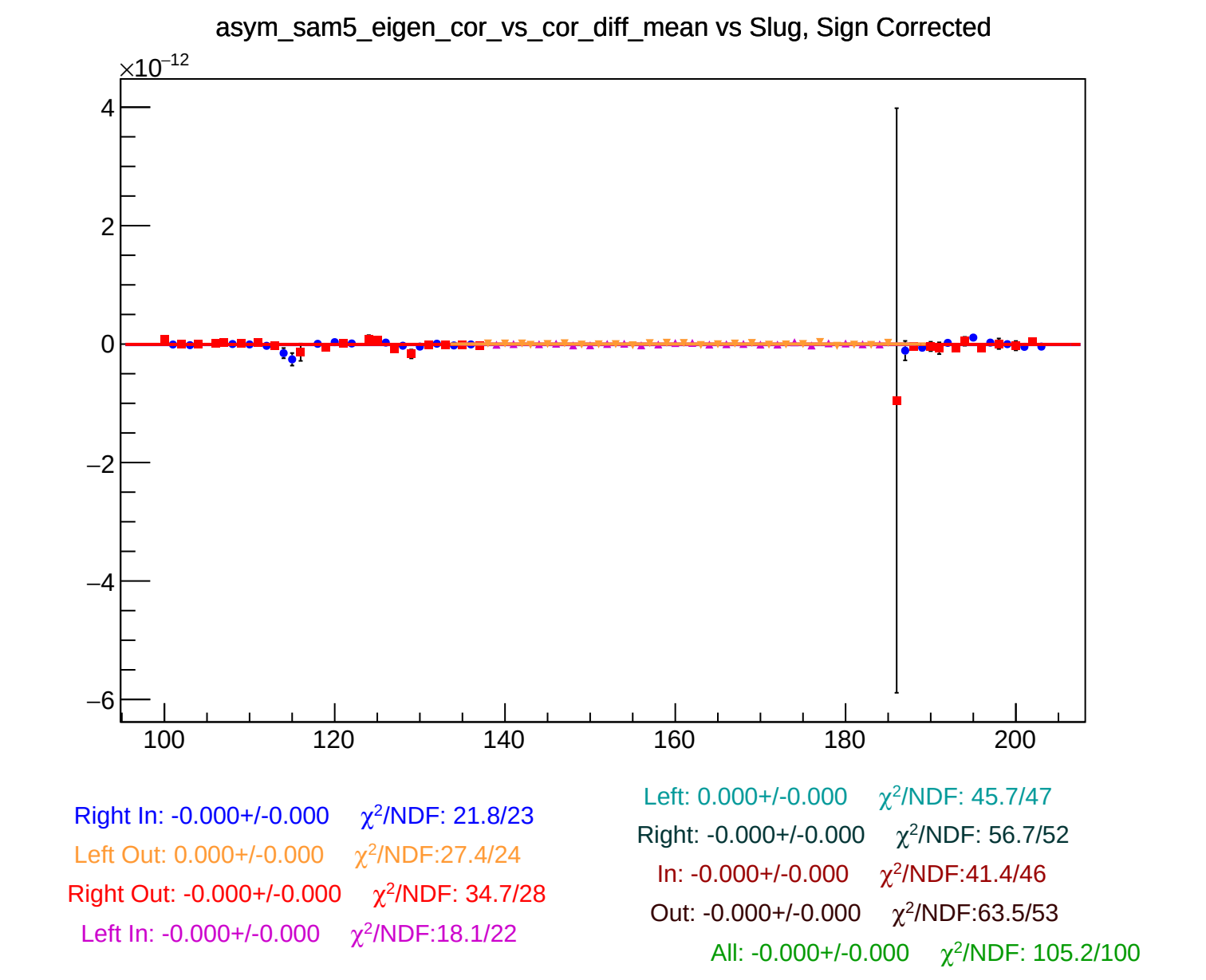
Left: 53.766+/-0.006 χ^2/NDF: 4682976.8/47

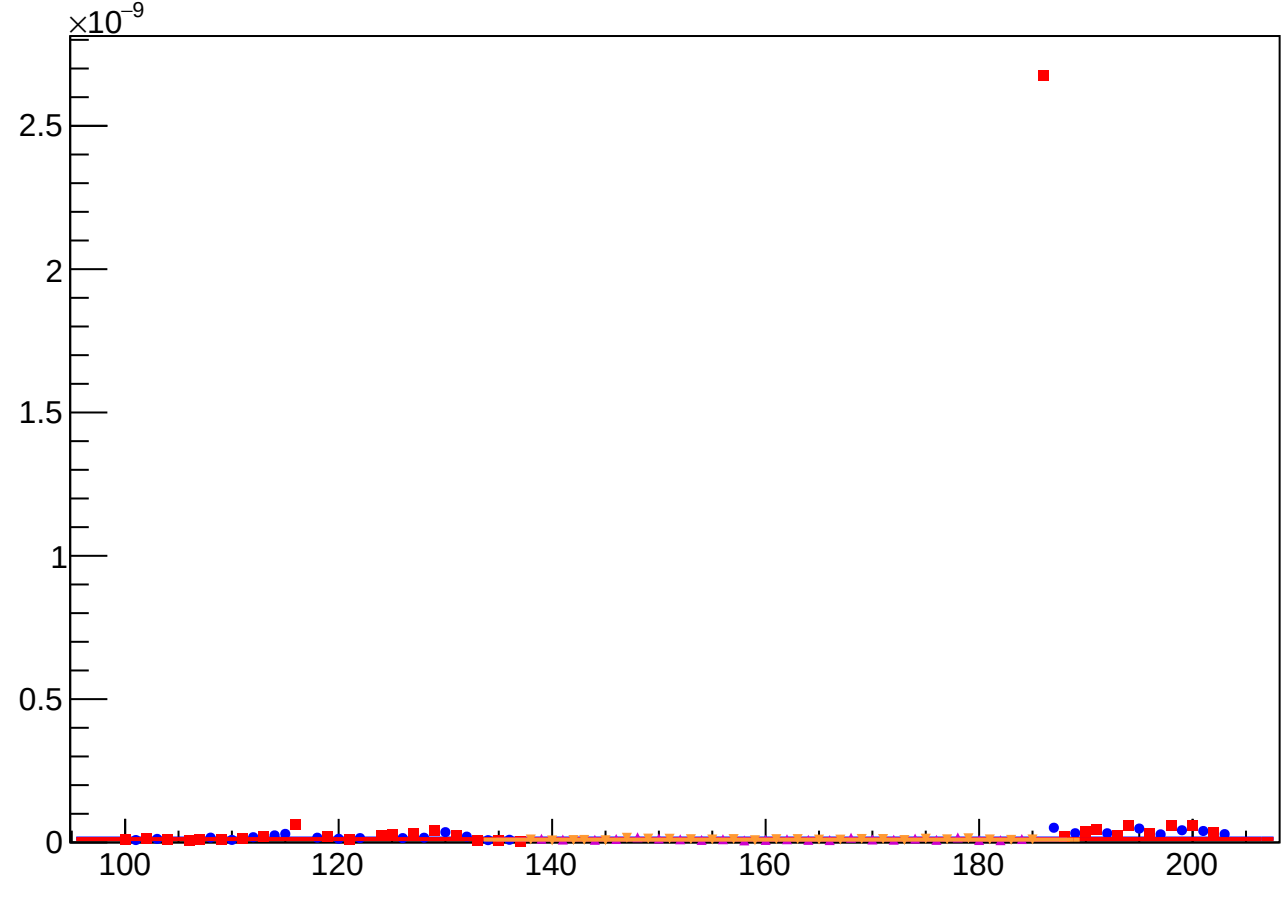
Right: 27.433+/-0.005 χ^2/NDF: 17480703.3/52

In: 38.656+/-0.006 χ^2/NDF:13289441.0/46

Out: 34.442+/-0.005 χ^2/NDF:19436873.1/53

All: 36.345+/-0.004 χ^2/NDF: 33034348.0/100


asym_sam5_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
4
2
0
−2
−4
−6
100
120
140
160
180
200
Right In: -0.000+/-0.000 χ²/NDF: 21.8/23
Left Out: 0.000+/-0.000 χ²/NDF:27.4/24
Right Out: -0.000+/-0.000 χ²/NDF: 34.7/28
Left In: -0.000+/-0.000 χ²/NDF:18.1/22
Left: 0.000+/-0.000 χ²/NDF: 45.7/47
Right: -0.000+/-0.000 χ²/NDF: 56.7/52
In: -0.000+/-0.000 χ²/NDF:41.4/46
Out: -0.000+/-0.000 χ²/NDF:63.5/53
All: -0.000+/-0.000 χ²/NDF: 105.2/100



Right In: 0.000+/-0.000 χ^2/NDF: 4435826.8/23

Left Out: 0.000+/-0.000 χ^2/NDF:1196110.1/24

Right Out: 0.000+/-0.000 χ^2/NDF: 7391071.0/28

Left In: 0.000+/-0.000 χ^2/NDF:1313644.4/22

Left: 0.000+/-0.000 χ^2/NDF: 2523943.3/47

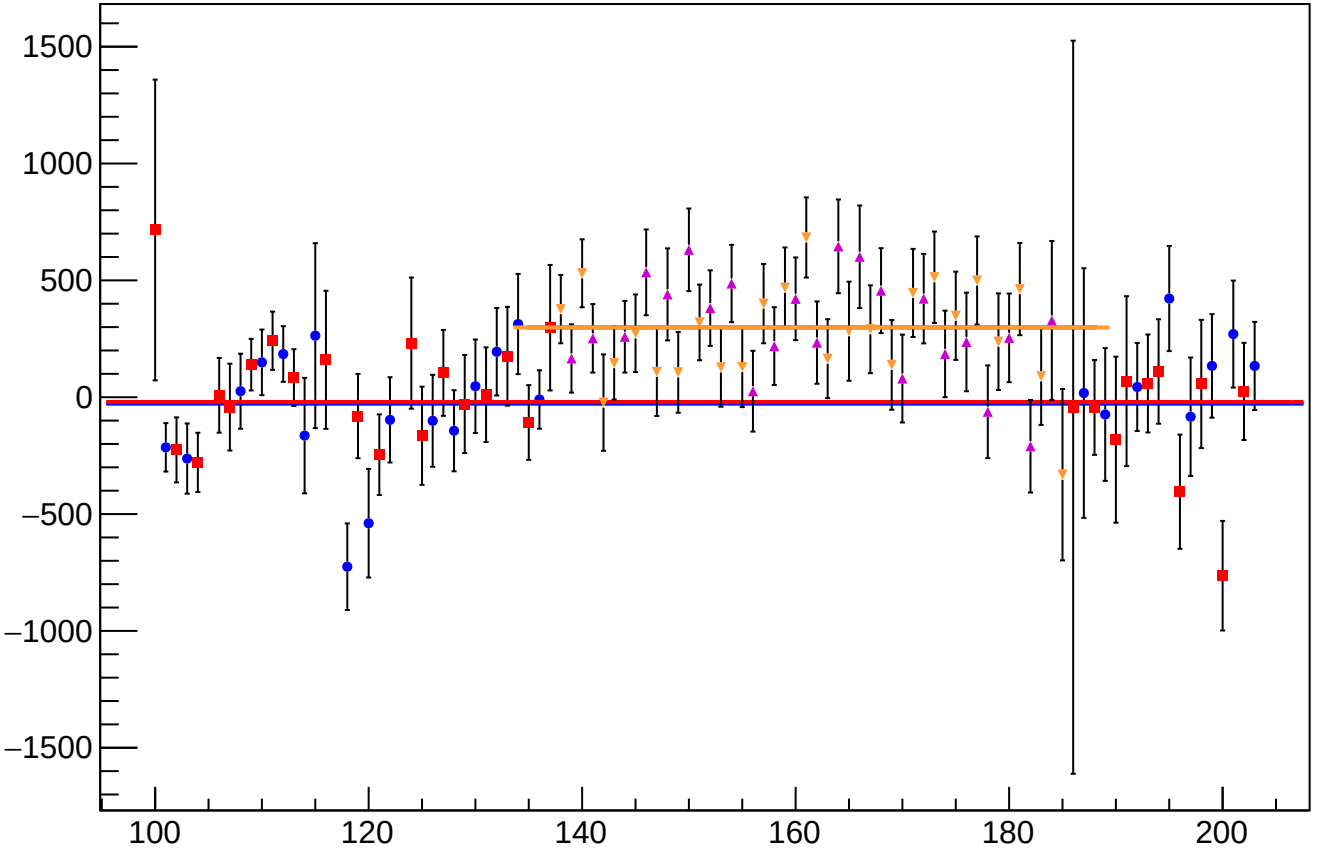
Right: 0.000+/-0.000 χ^2/NDF: 11953961.6/52

In: 0.000+/-0.000 χ^2/NDF:6372422.5/46

Out: 0.000+/-0.000 χ^2/NDF:8826043.2/53

All: 0.000+/-0.000 χ^2/NDF: 15266770.8/100

reg_asym_sam6_mean vs Slug, Sign Corrected



Right In: -27.466+/-36.668 χ^2/NDF: 42.5/23

Left Out: 298.517+/-36.051 χ^2/NDF:26.0/24

Right Out: -20.178+/-34.999 χ^2/NDF: 34.9/28

Left In: 298.675+/-37.727 χ^2/NDF:29.4/22

Left: 298.592+/-26.064 χ^2/NDF: 55.4/47

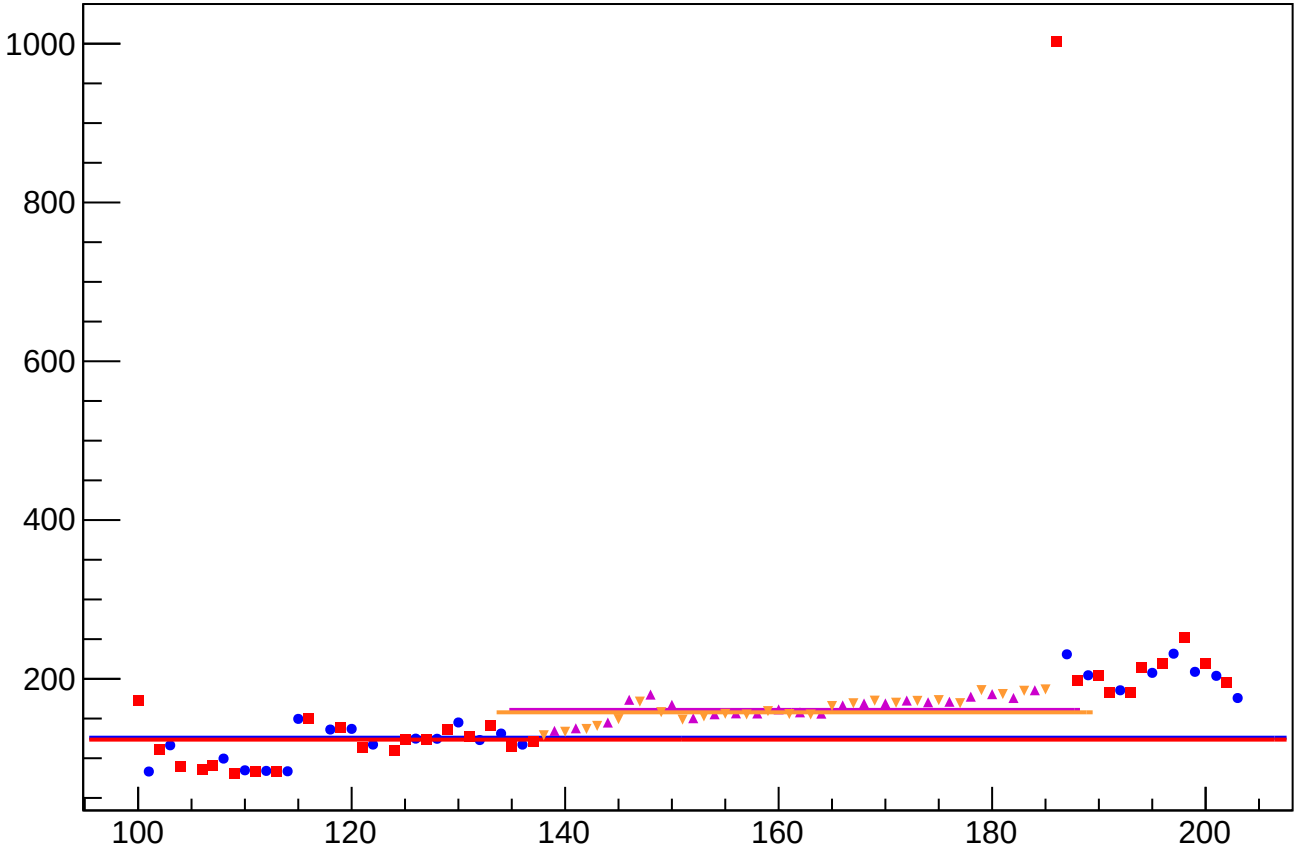
Right: -23.653+/-25.318 χ^2/NDF: 77.4/52

In: 130.965+/-26.295 χ^2/NDF:110.3/46

Out: 134.454+/-25.112 χ^2/NDF:101.1/53

All: 132.790+/-18.160 χ^2/NDF: 211.4/100

reg_asym_sam6_rms vs Slug, Sign Corrected



Right In: 125.866+/-0.026 χ^2/NDF: 2626454.9/23

Left Out: 157.836+/-0.025 χ^2/NDF:377205.2/24

Right Out: 123.450+/-0.025 χ^2/NDF: 4013489.7/28

Left In: 160.874+/-0.027 χ^2/NDF:268330.7/22

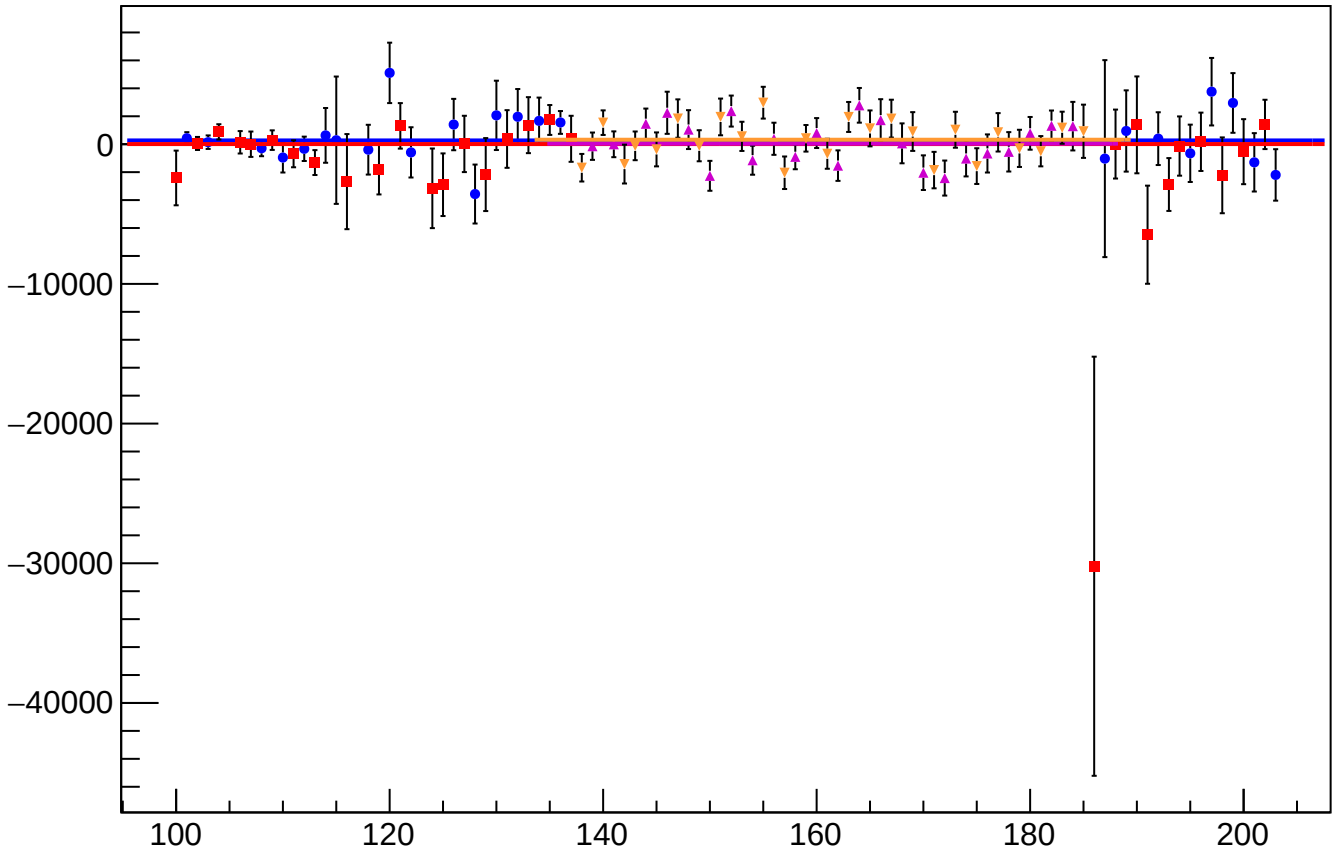
Left: 159.286+/-0.018 χ^2/NDF: 652314.6/47

Right: 124.602+/-0.018 χ^2/NDF: 6644491.4/52

In: 142.872+/-0.019 χ^2/NDF:3780333.1/46

Out: 140.134+/-0.018 χ^2/NDF:5327436.2/53

All: 141.440+/-0.013 χ^2/NDF: 9119112.7/100



Right In: 269.916+/-221.592 χ^2/NDF: 22.8/23

Left Out: 319.947+/-235.084 χ^2/NDF:32.5/24

Right Out: 9.907+/-222.170 χ^2/NDF: 27.5/28

Left In: 39.197+/-244.156 χ^2/NDF:34.8/22

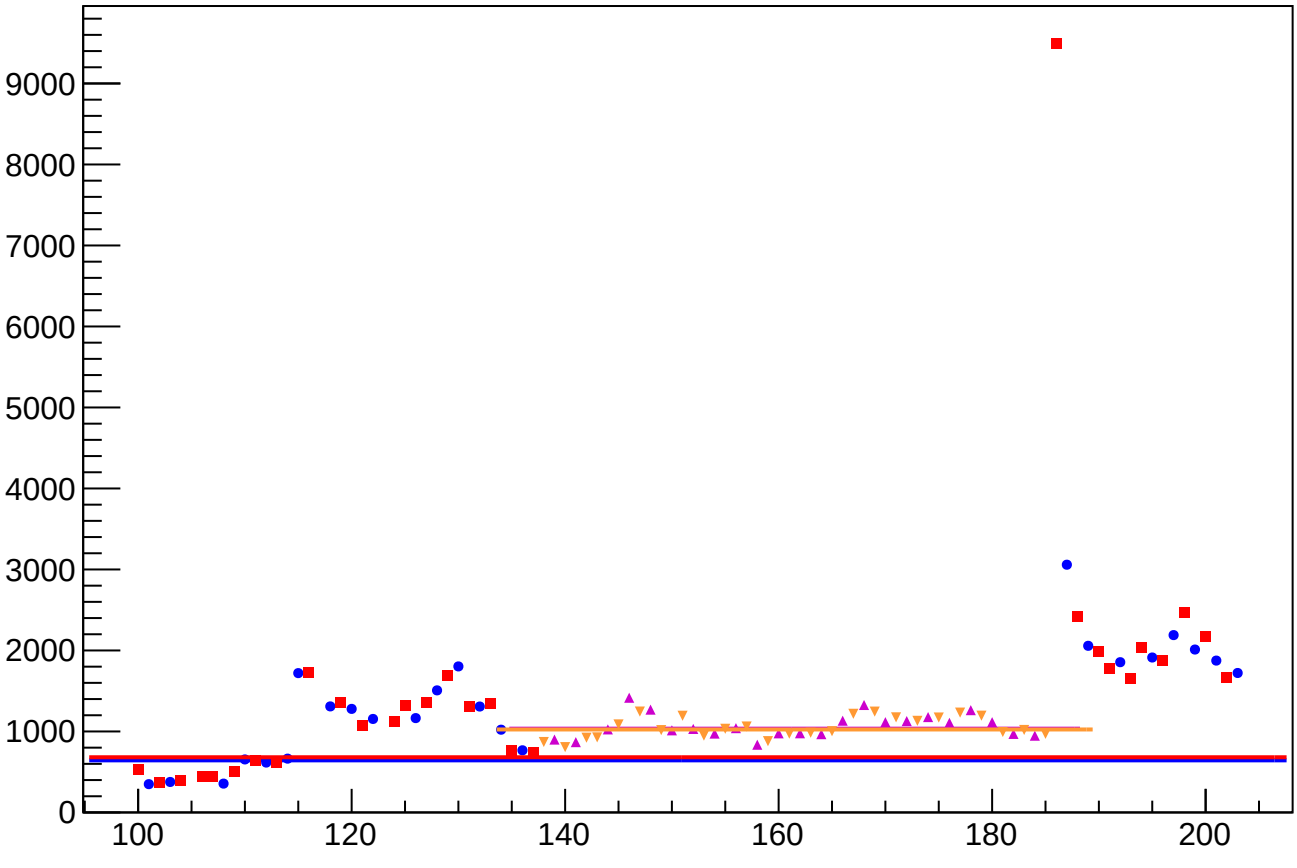
Left: 184.885+/-169.346 χ^2/NDF: 68.0/47

Right: 140.250+/-156.893 χ^2/NDF: 50.9/52

In: 165.708+/-164.088 χ^2/NDF:58.1/46

Out: 156.178+/-161.470 χ^2/NDF:60.9/53

All: 160.866+/-115.091 χ^2/NDF: 119.0/100



Right In: 643.242+/-0.157 χ^2/NDF: 9384071.4/23

Left Out: 1024.493+/-0.166 χ^2/NDF:597629.4/24

Right Out: 681.463+/-0.157 χ^2/NDF: 10093680.9/28

Left In: 1034.428+/-0.173 χ^2/NDF:628477.2/22

Left: 1029.272+/-0.120 χ^2/NDF: 1227824.8/47

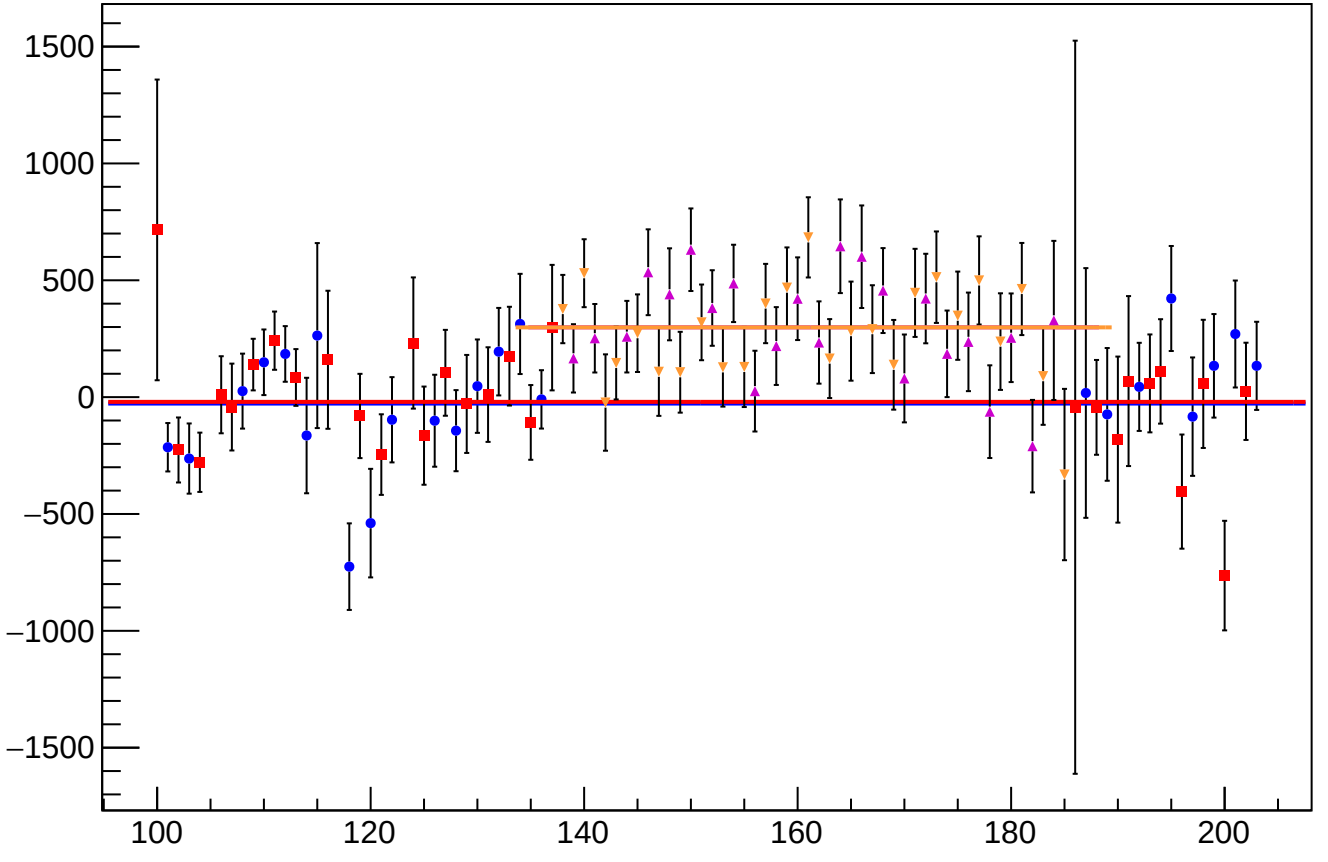
Right: 662.303+/-0.111 χ^2/NDF: 19507425.2/52

In: 819.928+/-0.116 χ^2/NDF:12827716.3/46

Out: 843.298+/-0.114 χ^2/NDF:12940691.2/53

All: 831.801+/-0.081 χ^2/NDF: 25789018.4/10

cor_asym_sam6_mean vs Slug, Sign Corrected



Right In: -27.487+/-36.668 χ^2/NDF: 42.5/23

Left Out: 298.518+/-36.051 χ^2/NDF:26.0/24

Right Out: -20.205+/-35.050 χ^2/NDF: 34.9/28

Left In: 298.682+/-37.727 χ^2/NDF:29.4/22

Left: 298.597+/-26.064 χ^2/NDF: 55.4/47

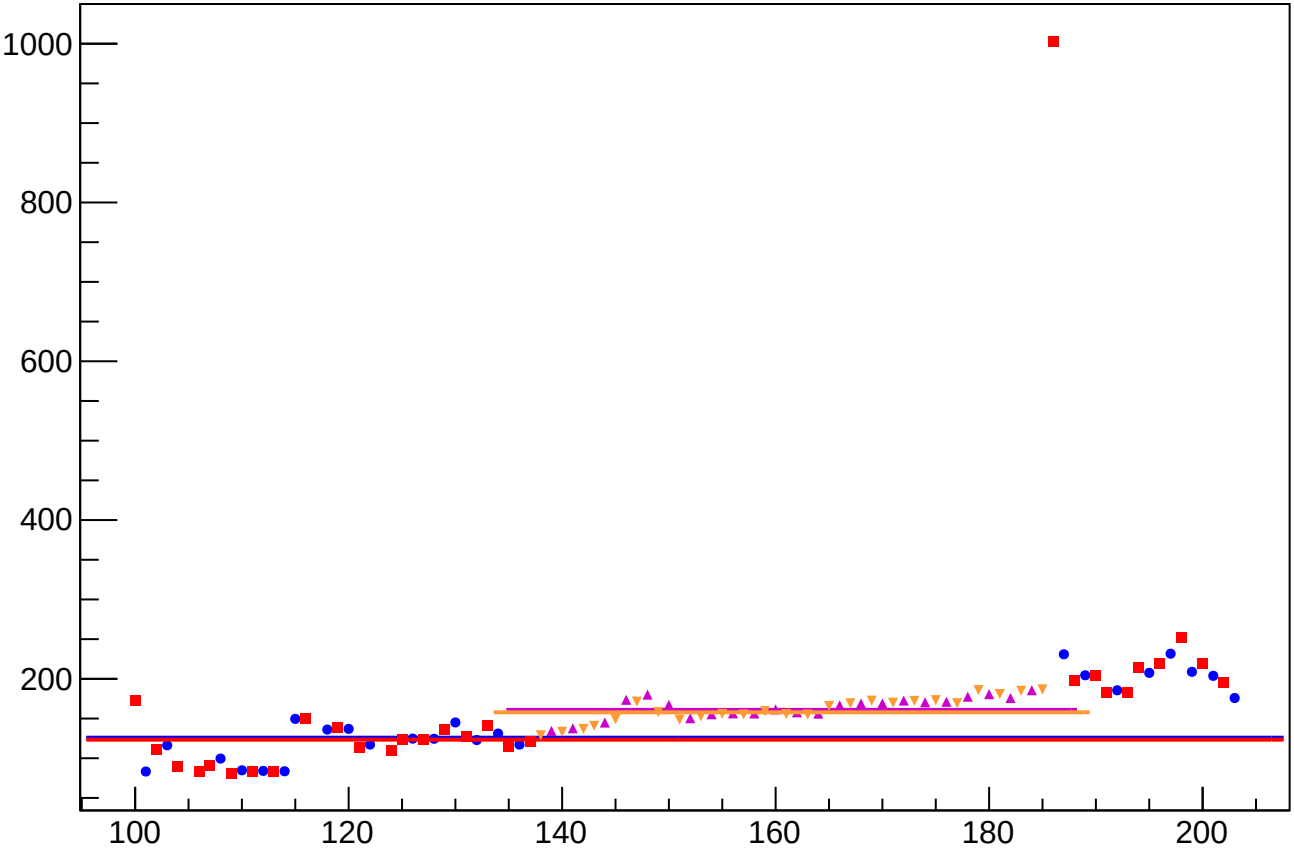
Right: -23.682+/-25.337 χ^2/NDF: 77.4/52

In: 130.958+/-26.295 χ^2/NDF:110.4/46

Out: 134.674+/-25.131 χ^2/NDF:101.0/53

All: 132.900+/-18.168 χ^2/NDF: 211.4/100

cor_asym_sam6_rms vs Slug, Sign Corrected



Right In: 125.867+/-0.026 χ^2/NDF: 2626453.5/23

Left Out: 157.836+/-0.025 χ^2/NDF:377205.2/24

Right Out: 123.417+/-0.025 χ^2/NDF: 4024905.7/28

Left In: 160.874+/-0.027 χ^2/NDF:268330.7/22

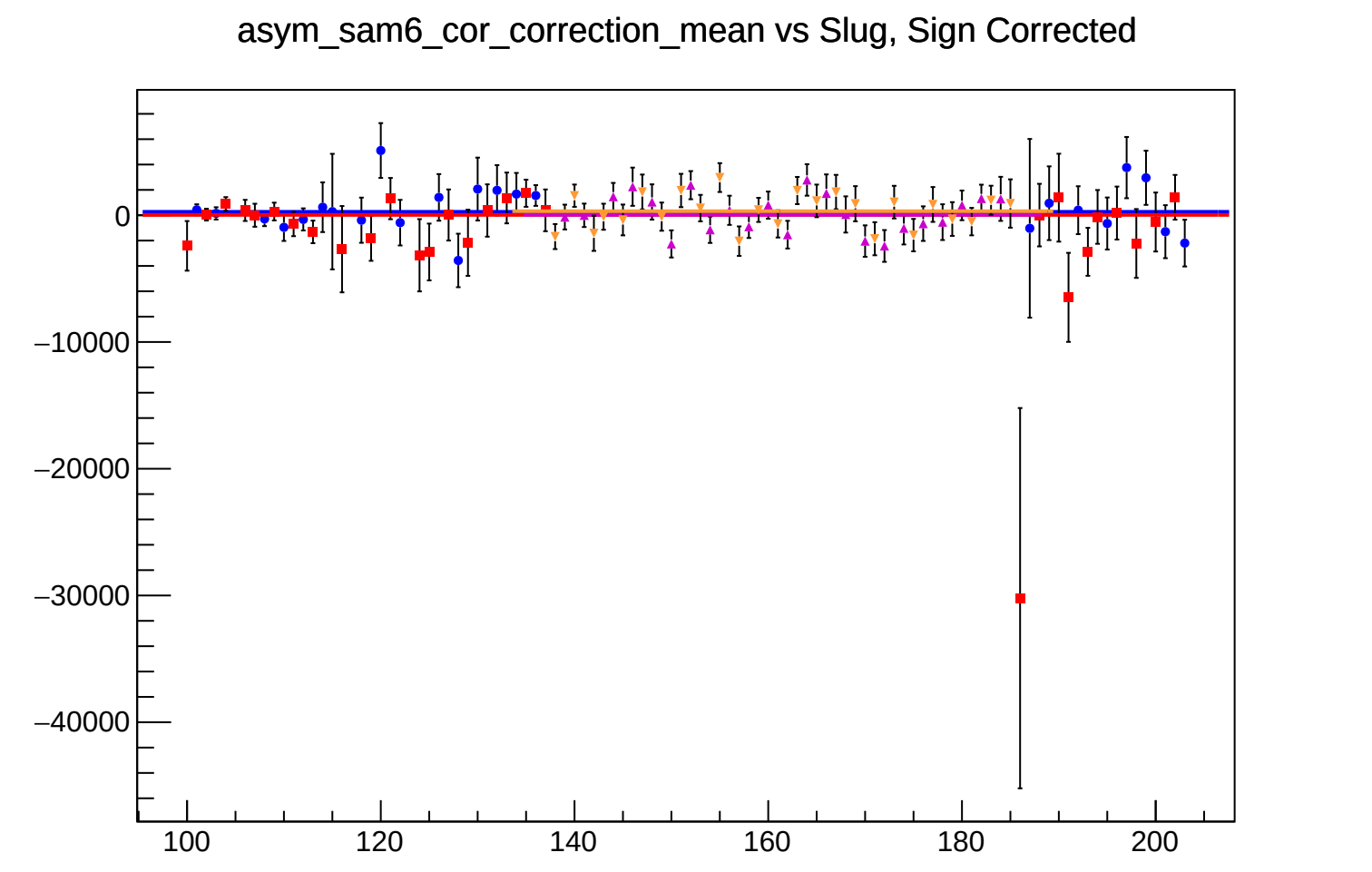
Left: 159.286+/-0.018 χ^2/NDF: 652314.6/47

Right: 124.587+/-0.018 χ^2/NDF: 6656022.9/52

In: 142.872+/-0.019 χ^2/NDF:3780328.9/46

Out: 140.143+/-0.018 χ^2/NDF:5339295.0/53

All: 141.446+/-0.013 χ^2/NDF: 9130890.1/100



Right In: 270.046+/-221.586 χ^2/NDF: 22.8/23

Left Out: 319.953+/-235.084 χ^2/NDF:32.5/24

Right Out: 25.810+/-222.719 χ^2/NDF: 27.6/28

Left In: 39.198+/-244.156 χ^2/NDF:34.8/22

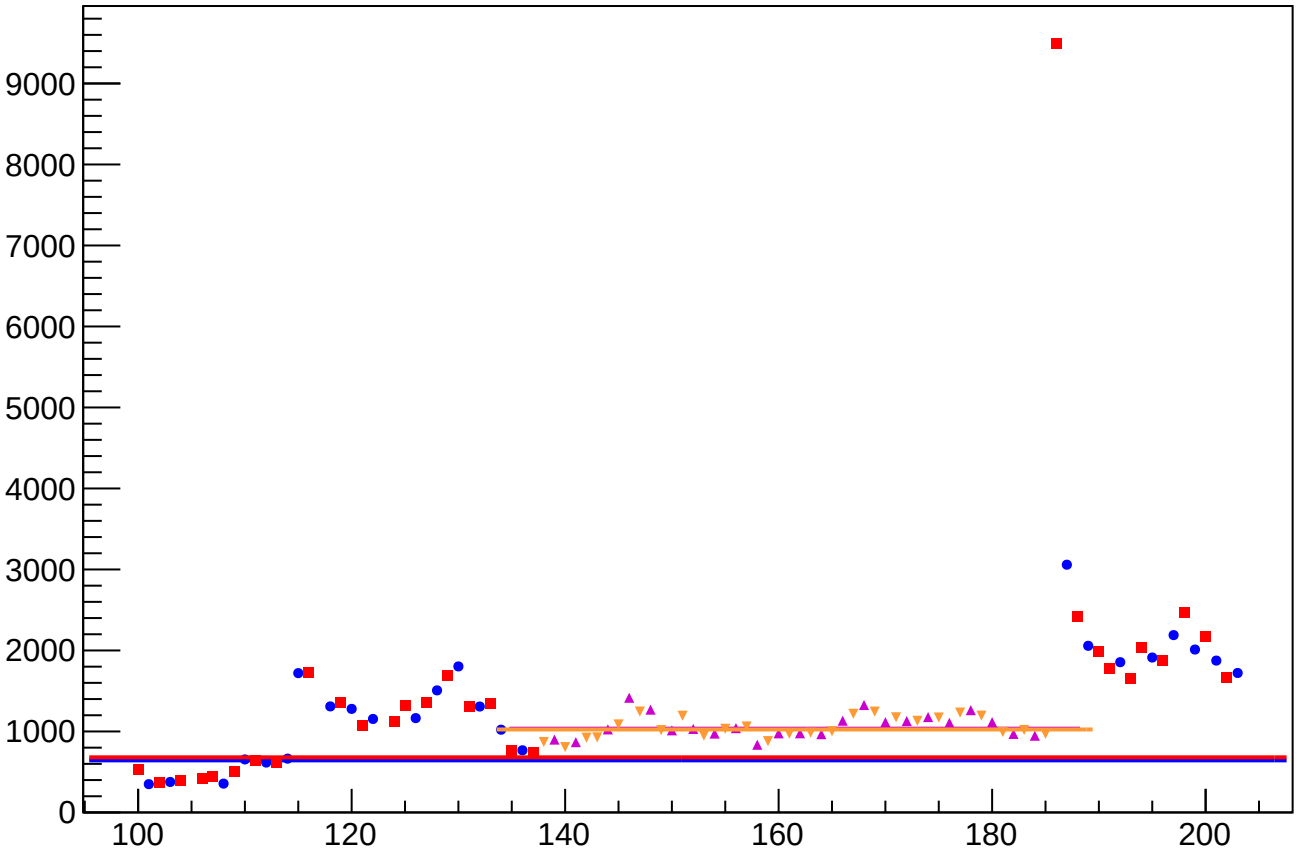
Left: 184.888+/-169.346 χ^2/NDF: 68.0/47

Right: 148.551+/-157.084 χ^2/NDF: 51.0/52

In: 165.783+/-164.085 χ^2/NDF:58.1/46

Out: 164.943+/-161.681 χ^2/NDF:61.0/53

All: 165.357+/-115.166 χ^2/NDF: 119.0/100



Right In: 643.216+/-0.157 χ^2/NDF: 9384472.6/23

Left Out: 1024.493+/-0.166 χ^2/NDF:597629.0/24

Right Out: 680.608+/-0.157 χ^2/NDF: 10124457.5/28

Left In: 1034.428+/-0.173 χ^2/NDF:628474.5/22

Left: 1029.273+/-0.120 χ^2/NDF: 1227821.8/47

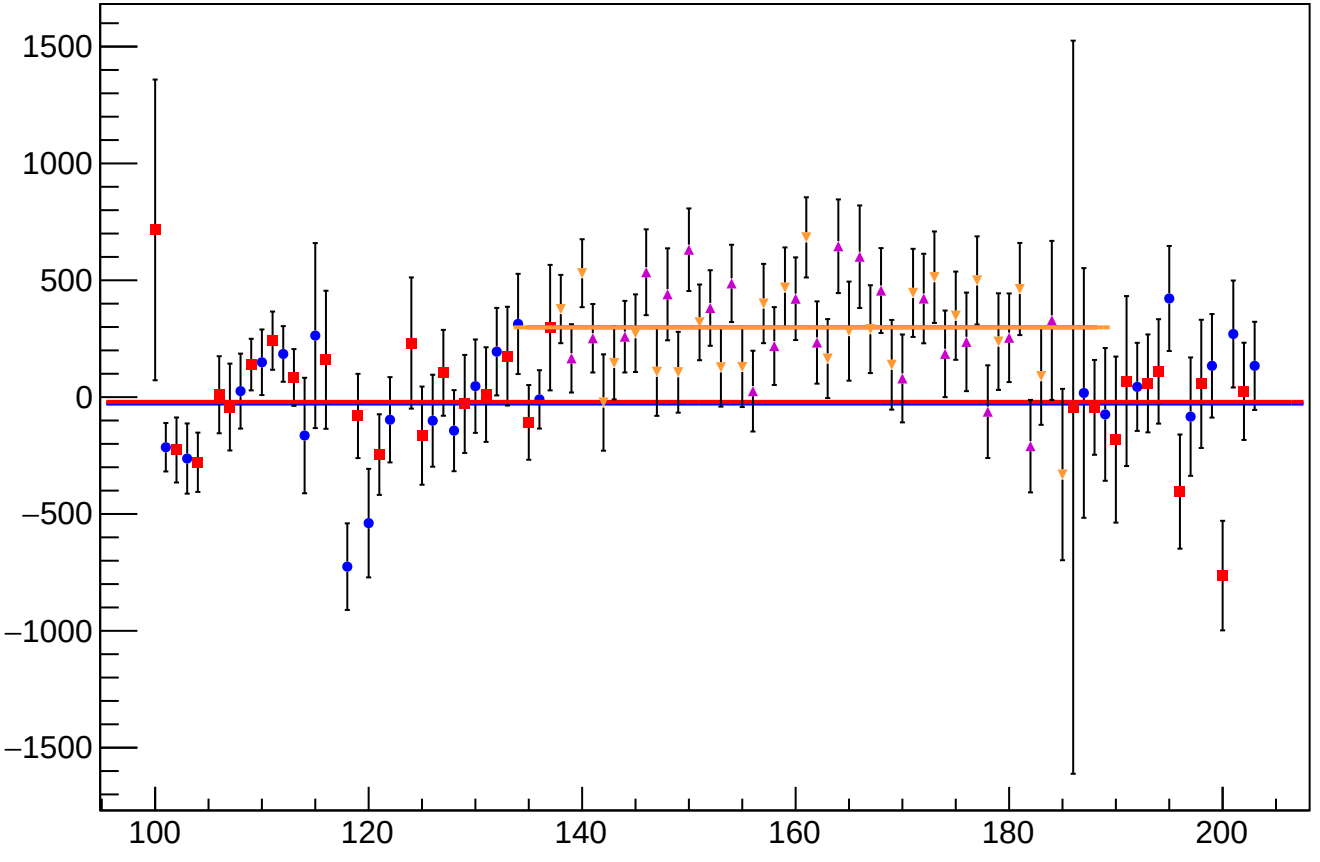
Right: 661.817+/-0.111 χ^2/NDF: 19537260.5/52

In: 819.908+/-0.116 χ^2/NDF:12828565.2/46

Out: 843.269+/-0.114 χ^2/NDF:12977430.5/53

All: 831.761+/-0.081 χ^2/NDF: 25826565.3/10

eigen_cor_asym_sam6_mean vs Slug, Sign Corrected



Right In: -27.487+/-36.668 χ^2/NDF: 42.5/23

Left Out: 298.518+/-36.051 χ^2/NDF:26.0/24

Right Out: -20.205+/-35.050 χ^2/NDF: 34.9/28

Left In: 298.682+/-37.727 χ^2/NDF:29.4/22

Left: 298.597+/-26.064 χ^2/NDF: 55.4/47

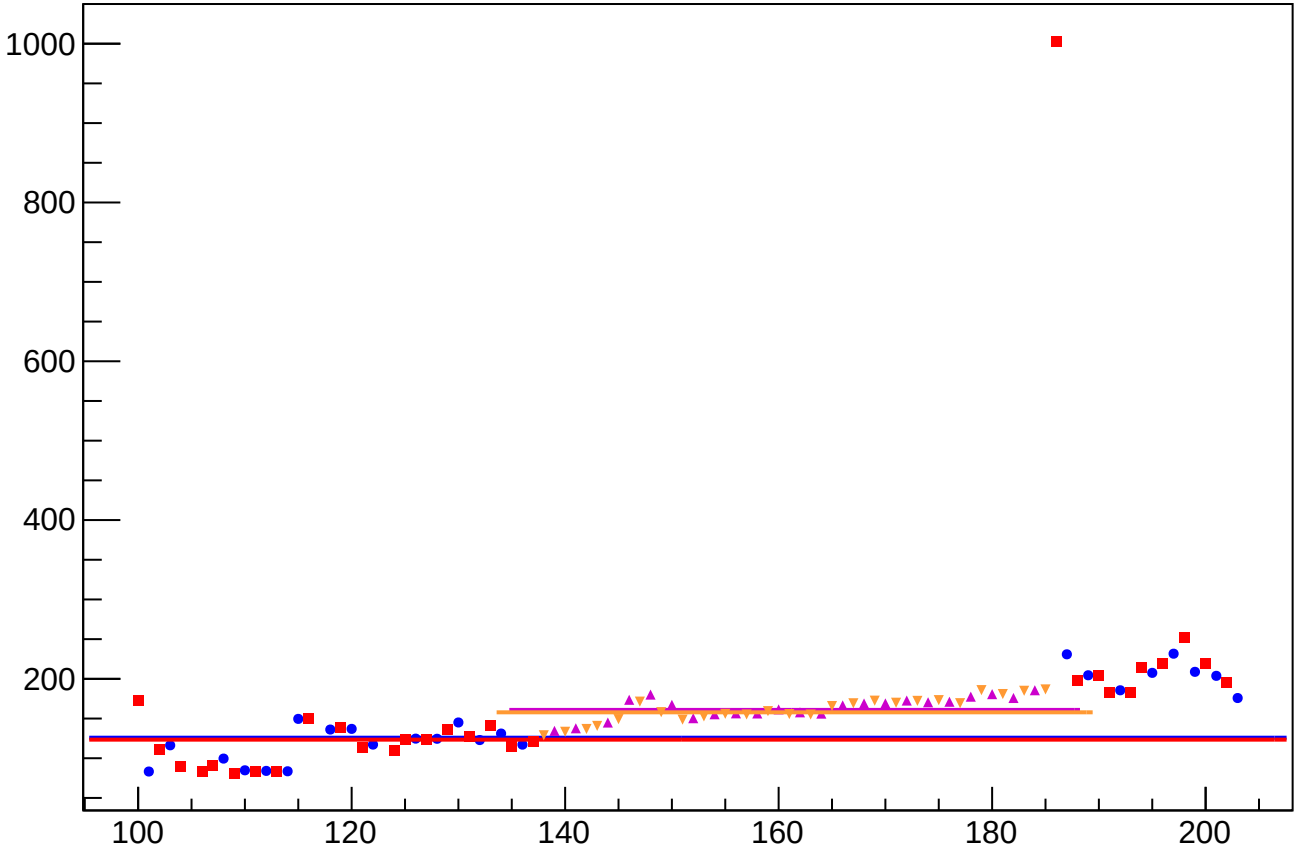
Right: -23.682+/-25.337 χ^2/NDF: 77.4/52

In: 130.958+/-26.295 χ^2/NDF:110.4/46

Out: 134.674+/-25.131 χ^2/NDF:101.0/53

All: 132.900+/-18.168 χ^2/NDF: 211.4/100

eigen_cor_asym_sam6_rms vs Slug, Sign Corrected



Right In: 125.867+/-0.026 χ^2/NDF: 2626453.5/23

Left Out: 157.836+/-0.025 χ^2/NDF:377205.2/24

Right Out: 123.417+/-0.025 χ^2/NDF: 4024905.7/28

Left In: 160.874+/-0.027 χ^2/NDF:268330.7/22

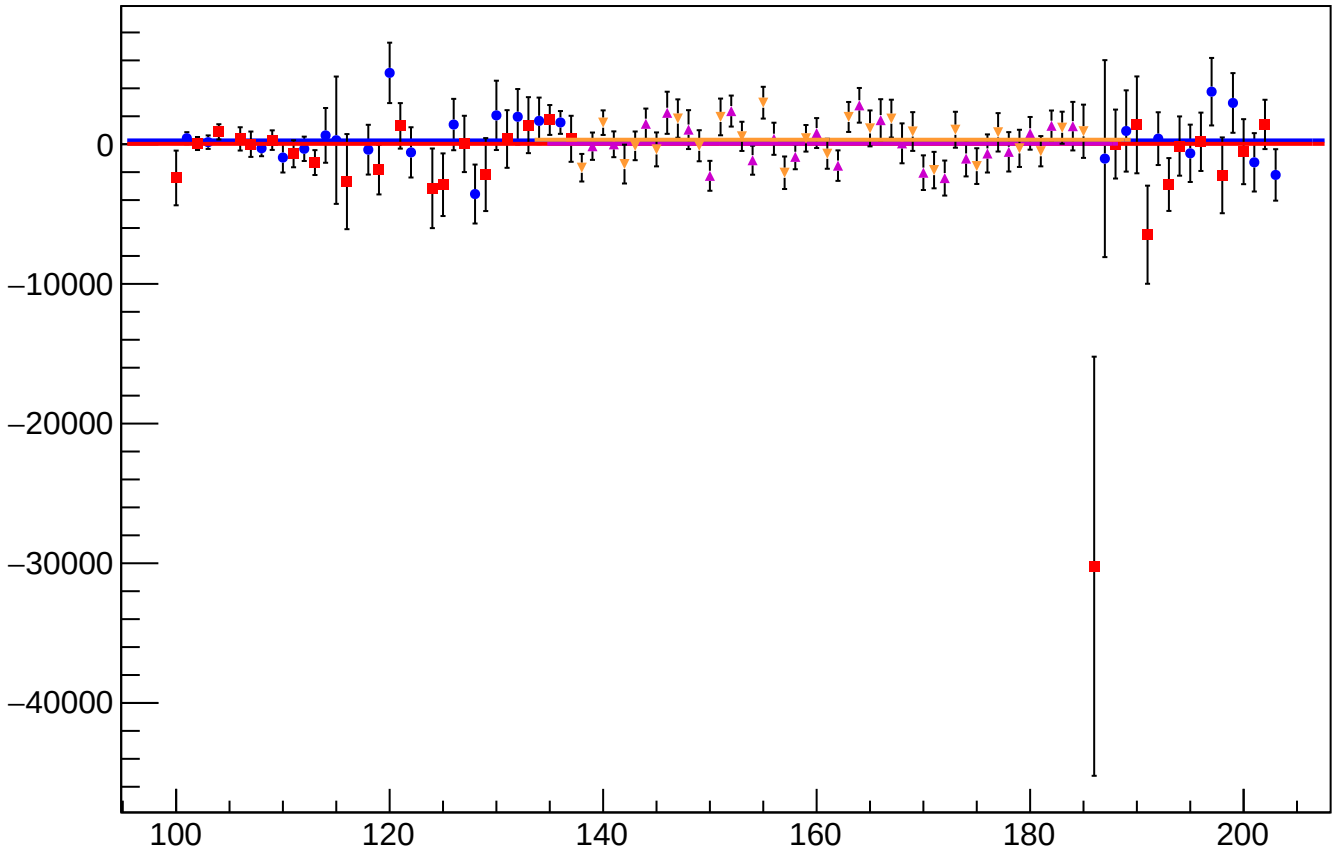
Left: 159.286+/-0.018 χ^2/NDF: 652314.6/47

Right: 124.587+/-0.018 χ^2/NDF: 6656022.9/52

In: 142.872+/-0.019 χ^2/NDF:3780328.9/46

Out: 140.143+/-0.018 χ^2/NDF:5339295.0/53

All: 141.446+/-0.013 χ^2/NDF: 9130890.1/100



Right In: 270.046+/-221.586 χ^2/NDF: 22.8/23

Left Out: 319.953+/-235.084 χ^2/NDF:32.5/24

Right Out: 25.810+/-222.719 χ^2/NDF: 27.6/28

Left In: 39.198+/-244.156 χ^2/NDF:34.8/22

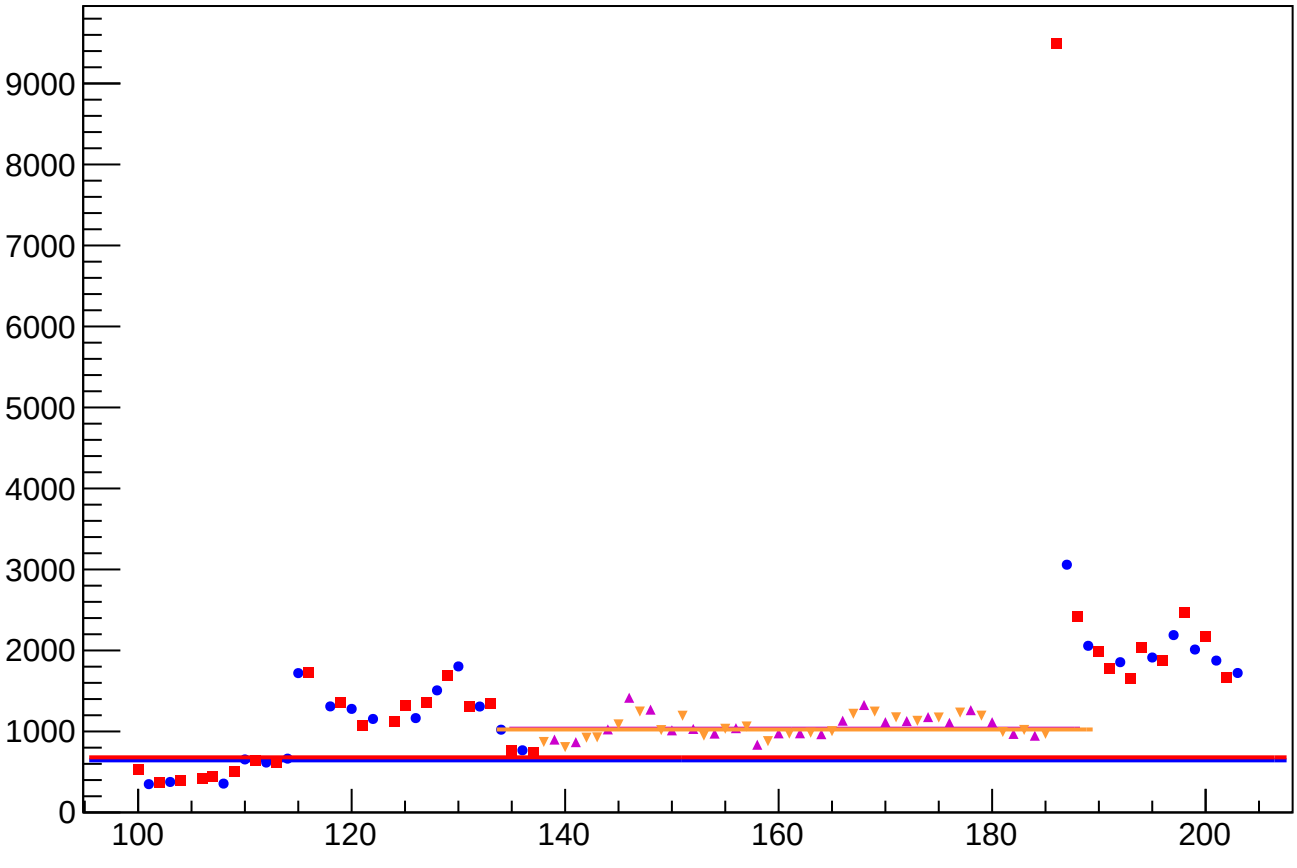
Left: 184.888+/-169.346 χ^2/NDF: 68.0/47

Right: 148.551+/-157.084 χ^2/NDF: 51.0/52

In: 165.783+/-164.085 χ^2/NDF:58.1/46

Out: 164.943+/-161.681 χ^2/NDF:61.0/53

All: 165.357+/-115.166 χ^2/NDF: 119.0/100



Right In: 643.216+/-0.157 χ^2/NDF: 9384472.6/23

Left Out: 1024.493+/-0.166 χ^2/NDF:597629.0/24

Right Out: 680.608+/-0.157 χ^2/NDF: 10124457.5/28

Left In: 1034.428+/-0.173 χ^2/NDF:628474.5/22

Left: 1029.273+/-0.120 χ^2/NDF: 1227821.8/47

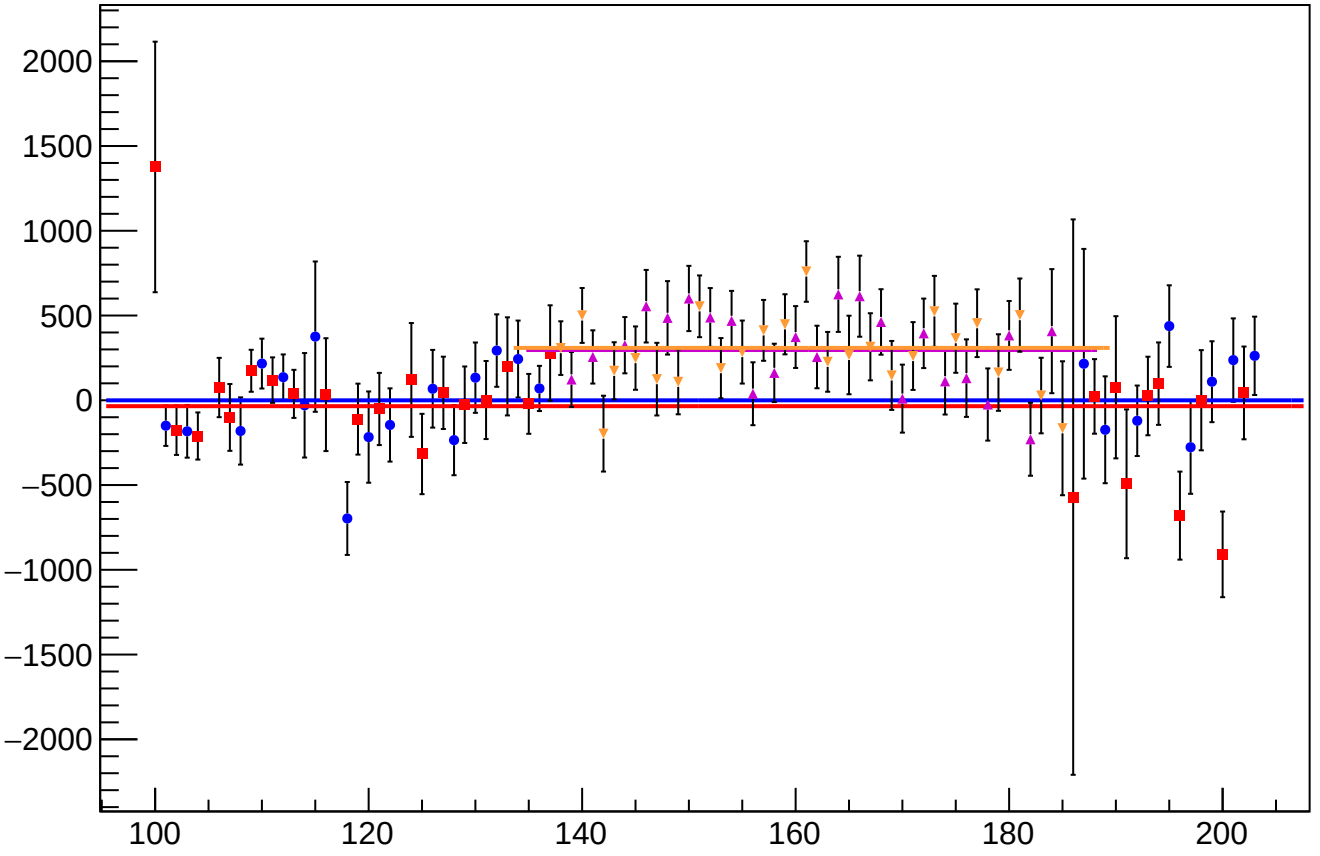
Right: 661.817+/-0.111 χ^2/NDF: 19537260.5/52

In: 819.908+/-0.116 χ^2/NDF:12828565.2/46

Out: 843.269+/-0.114 χ^2/NDF:12977430.5/53

All: 831.761+/-0.081 χ^2/NDF: 25826565.3/10

dit_asym_sam6_mean vs Slug, Sign Corrected



Right In: -0.305+/-41.059 χ^2/NDF: 31.9/23

Left Out: 309.031+/-38.901 χ^2/NDF:25.6/24

Right Out: -34.834+/-39.232 χ^2/NDF: 34.9/28

Left In: 296.497+/-40.607 χ^2/NDF:27.8/22

Left: 303.033+/-28.091 χ^2/NDF: 53.4/47

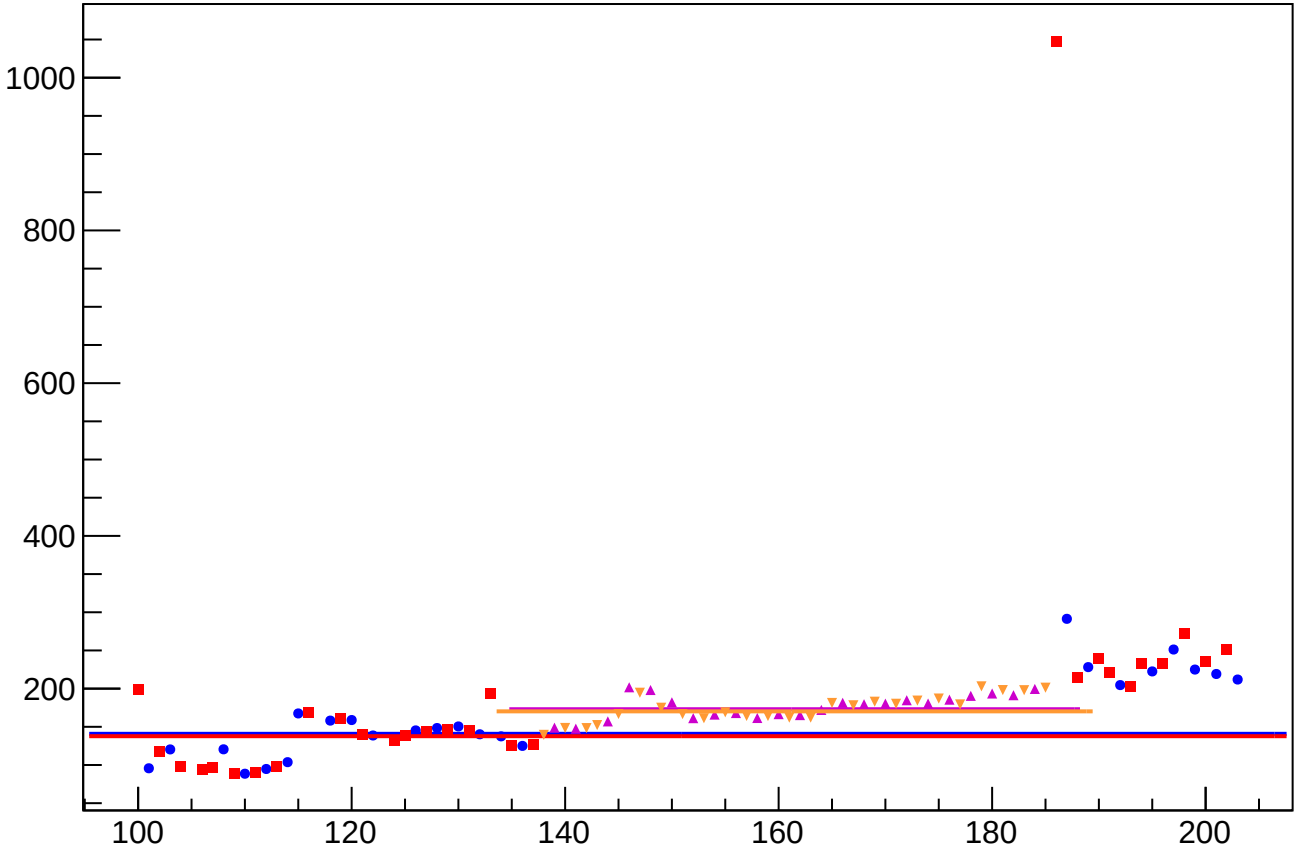
Right: -18.355+/-28.365 χ^2/NDF: 67.2/52

In: 149.739+/-28.872 χ^2/NDF:86.2/46

Out: 138.556+/-27.623 χ^2/NDF:99.2/53

All: 143.900+/-19.959 χ^2/NDF: 185.5/100

dit_asym_sam6_rms vs Slug, Sign Corrected



Right In: 140.818+/-0.029 χ^2/NDF: 2558596.2/23

Left Out: 170.240+/-0.028 χ^2/NDF:366302.5/24

Right Out: 137.707+/-0.028 χ^2/NDF: 4140581.1/28

Left In: 173.024+/-0.029 χ^2/NDF:293702.8/22

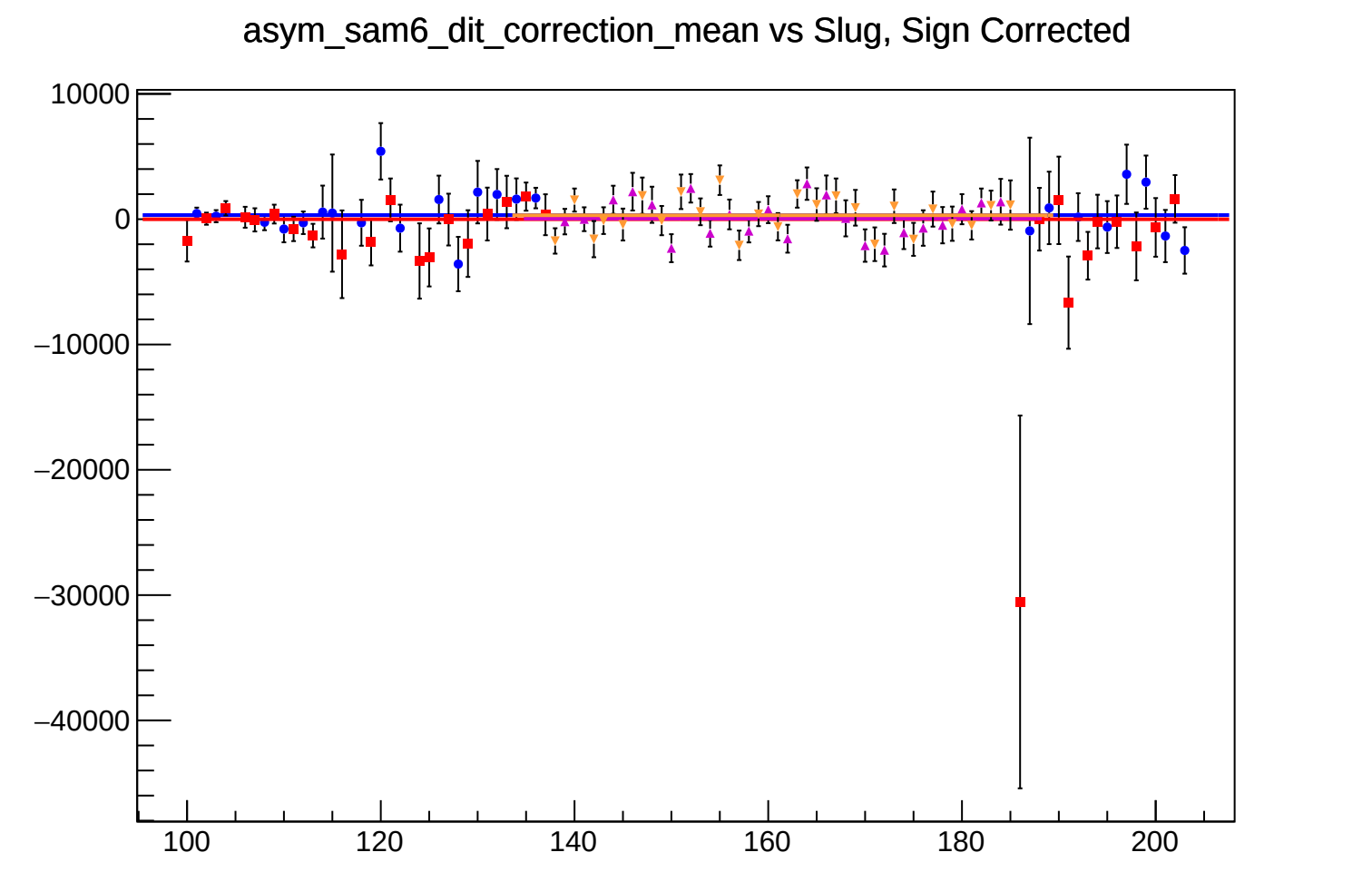
Left: 171.572+/-0.020 χ^2/NDF: 664905.1/47

Right: 139.192+/-0.020 χ^2/NDF: 6705177.7/52

In: 157.099+/-0.020 χ^2/NDF:3474377.9/46

Out: 154.112+/-0.020 χ^2/NDF:5200382.4/53

All: 155.539+/-0.014 χ^2/NDF: 8685939.3/100



Right In: 329.068+/-231.180 χ^2/NDF: 22.9/23

Left Out: 313.641+/-242.402 χ^2/NDF:32.9/24

Right Out: -3.239+/-229.835 χ^2/NDF: 26.8/28

Left In: 47.231+/-251.252 χ^2/NDF:34.4/22

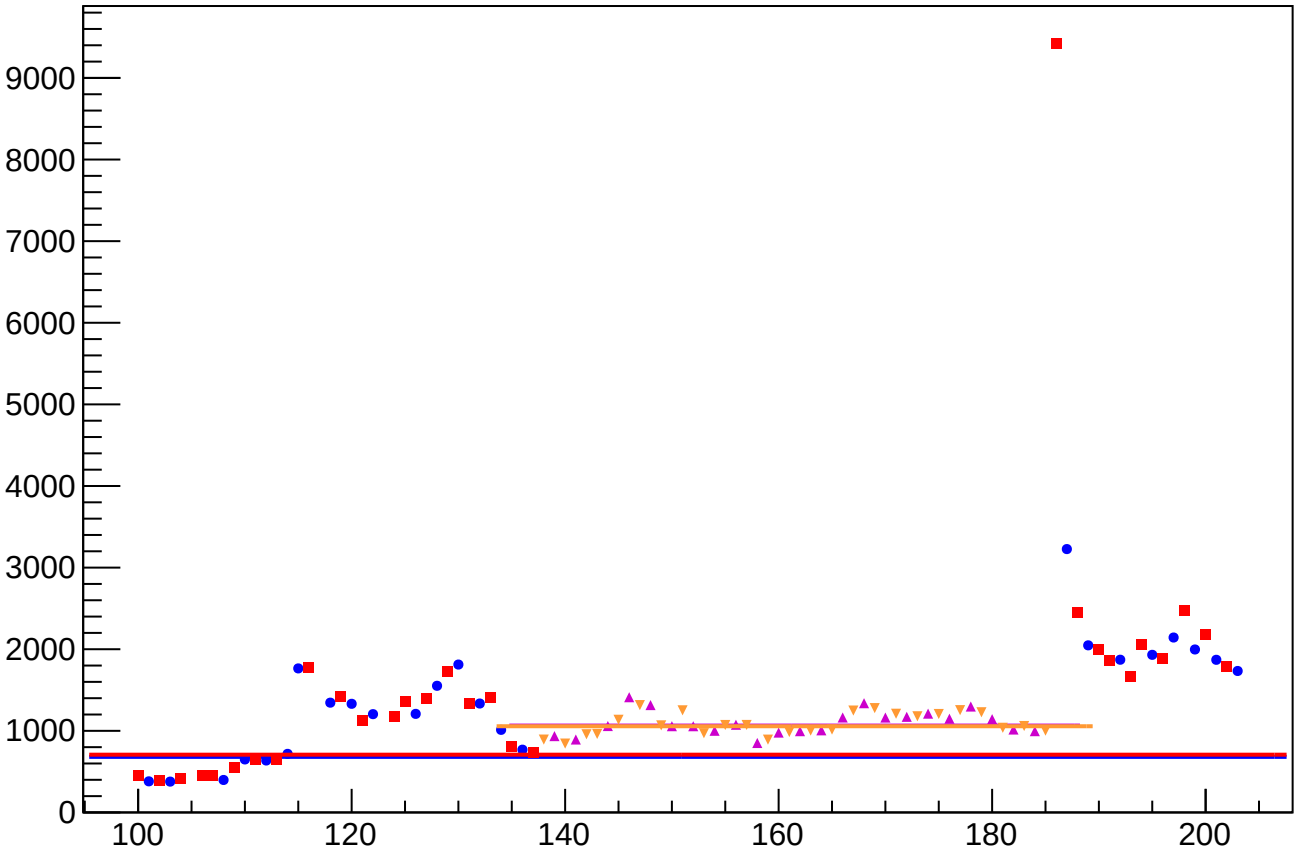
Left: 185.210+/-174.449 χ^2/NDF: 67.9/47

Right: 161.945+/-162.991 χ^2/NDF: 50.8/52

In: 199.855+/-170.123 χ^2/NDF:58.0/46

Out: 146.774+/-166.784 χ^2/NDF:60.6/53

All: 172.788+/-119.097 χ^2/NDF: 118.7/100



Right In: 681.164+/-0.163 χ^2/NDF: 8905040.8/23

Left Out: 1056.328+/-0.171 χ^2/NDF:610710.4/24

Right Out: 707.855+/-0.163 χ^2/NDF: 9985220.5/28

Left In: 1064.691+/-0.178 χ^2/NDF:611055.8/22

Left: 1060.360+/-0.123 χ^2/NDF: 1222913.7/47

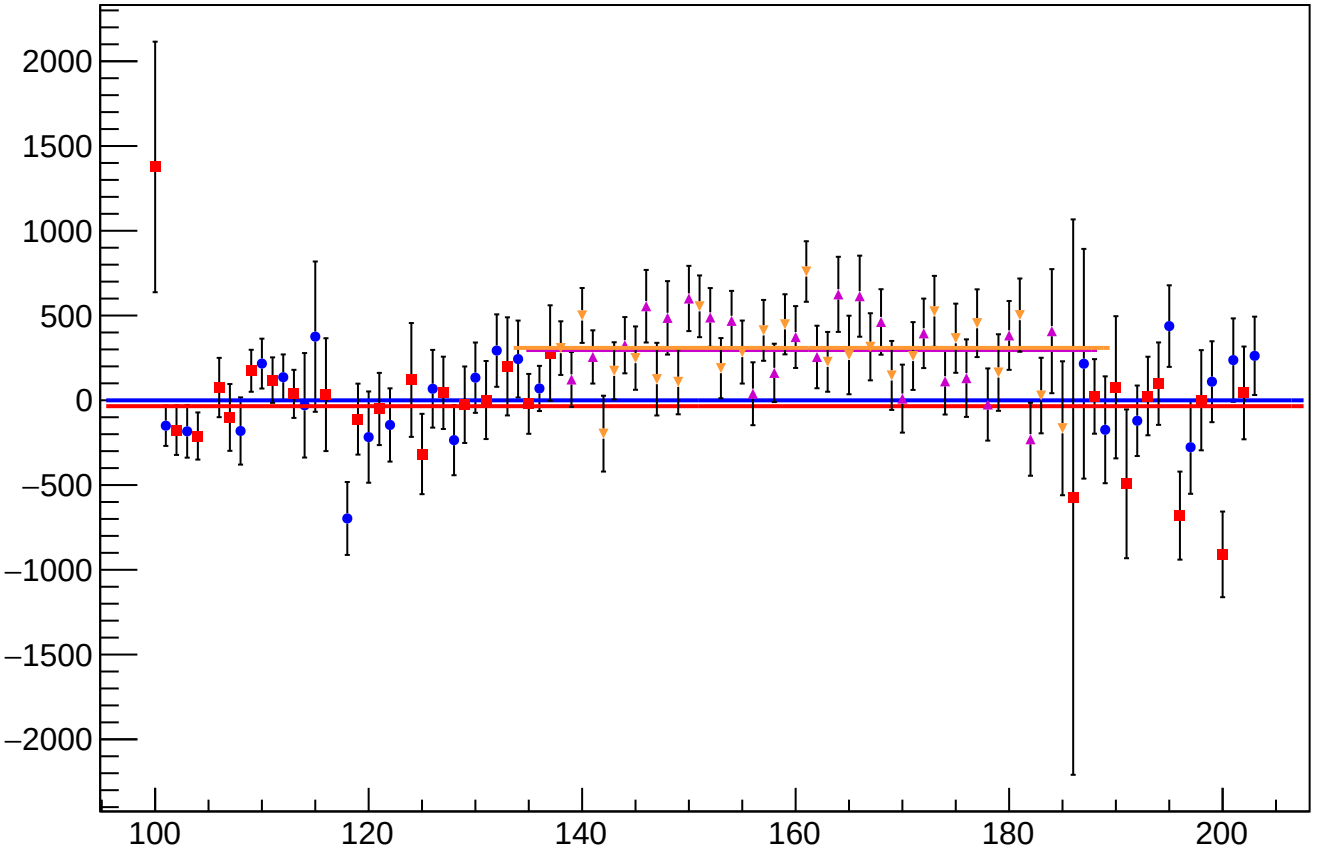
Right: 694.587+/-0.115 χ^2/NDF: 18903669.9/52

In: 856.999+/-0.120 χ^2/NDF:12039750.8/46

Out: 872.825+/-0.118 χ^2/NDF:12772487.7/53

All: 865.068+/-0.084 χ^2/NDF: 24821064.3/10

eigen_dit_asym_sam6_mean vs Slug, Sign Corrected



Right In: -0.307+/-41.059 χ^2/NDF: 31.9/23

Left Out: 309.032+/-38.901 χ^2/NDF:25.6/24

Right Out: -34.833+/-39.232 χ^2/NDF: 34.9/28

Left In: 296.497+/-40.607 χ^2/NDF:27.8/22

Left: 303.033+/-28.091 χ^2/NDF: 53.4/47

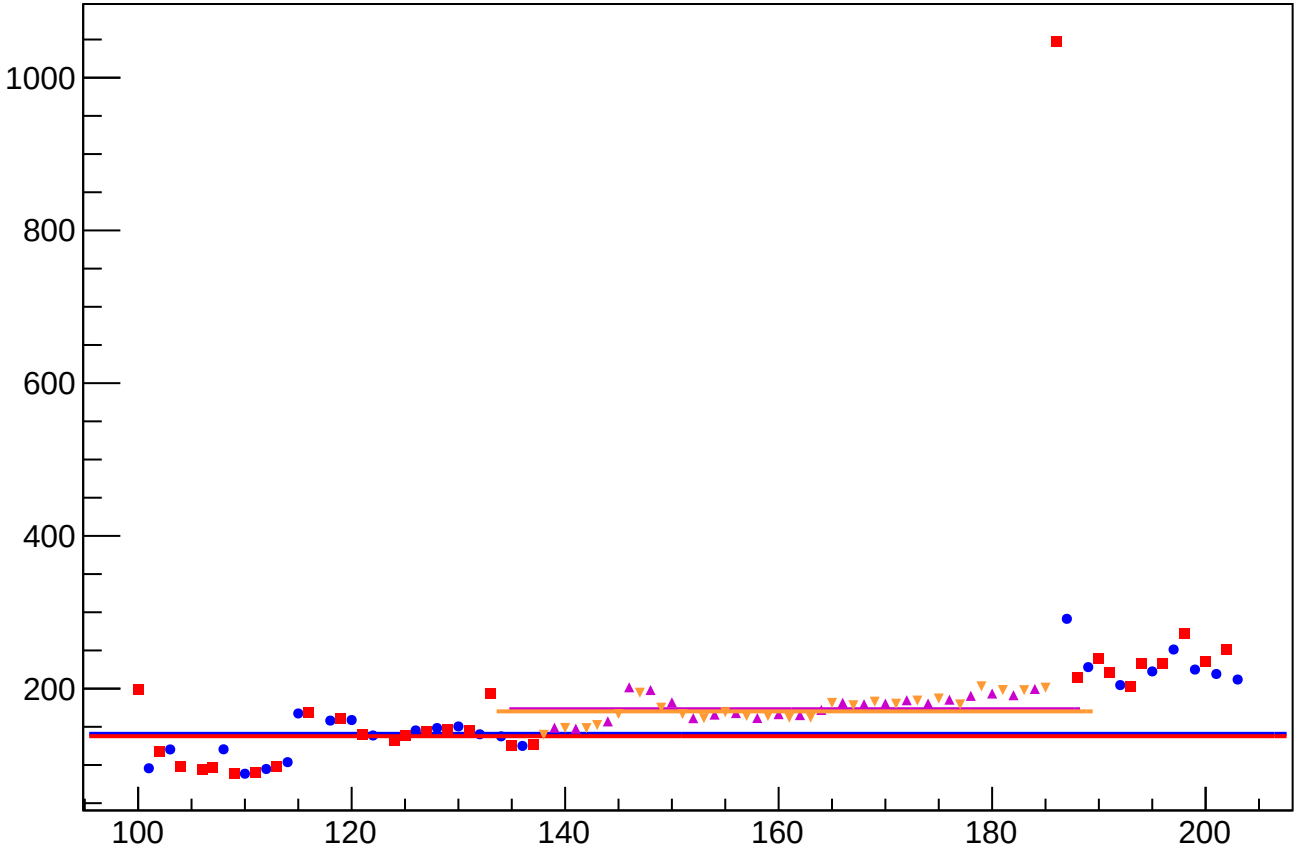
Right: -18.355+/-28.365 χ^2/NDF: 67.2/52

In: 149.738+/-28.872 χ^2/NDF:86.2/46

Out: 138.557+/-27.623 χ^2/NDF:99.2/53

All: 143.900+/-19.959 χ^2/NDF: 185.5/100

eigen_dit_asym_sam6_rms vs Slug, Sign Corrected



Right In: 140.817+/-0.029 χ^2/NDF: 2558612.7/23

Left Out: 170.240+/-0.028 χ^2/NDF:366303.1/24

Right Out: 137.707+/-0.028 χ^2/NDF: 4140584.6/28

Left In: 173.023+/-0.029 χ^2/NDF:293703.4/22

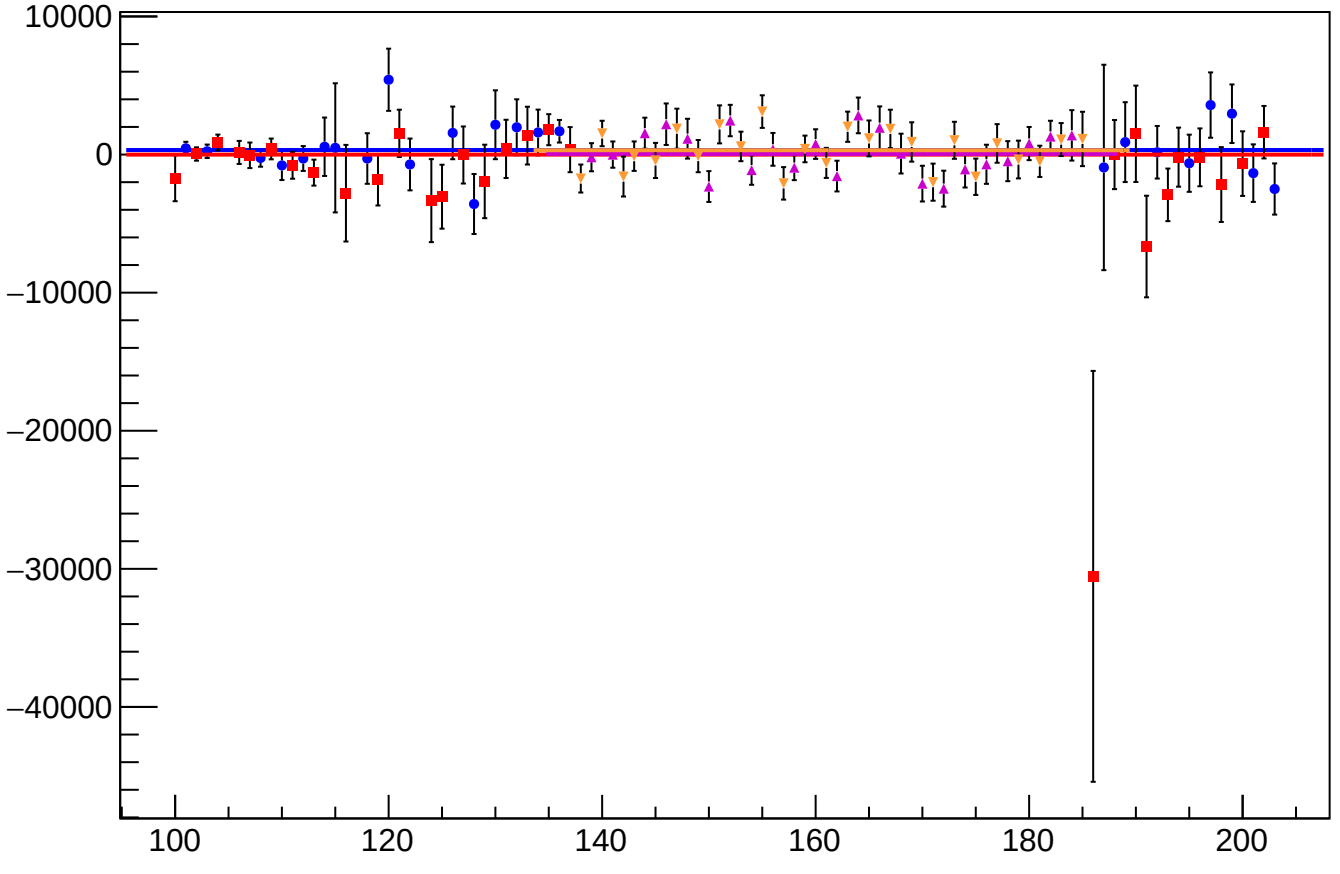
Left: 171.572+/-0.020 χ^2/NDF: 664906.3/47

Right: 139.191+/-0.020 χ^2/NDF: 6705197.5/52

In: 157.099+/-0.020 χ^2/NDF:3474400.1/46

Out: 154.111+/-0.020 χ^2/NDF:5200389.9/53

All: 155.539+/-0.014 χ^2/NDF: 8685969.0/100



Right In: 329.068+/-231.180 χ^2/NDF: 22.9/23

Left Out: 313.641+/-242.402 χ^2/NDF:32.9/24

Right Out: -3.238+/-229.835 χ^2/NDF: 26.8/28

Left In: 47.231+/-251.252 χ^2/NDF:34.4/22

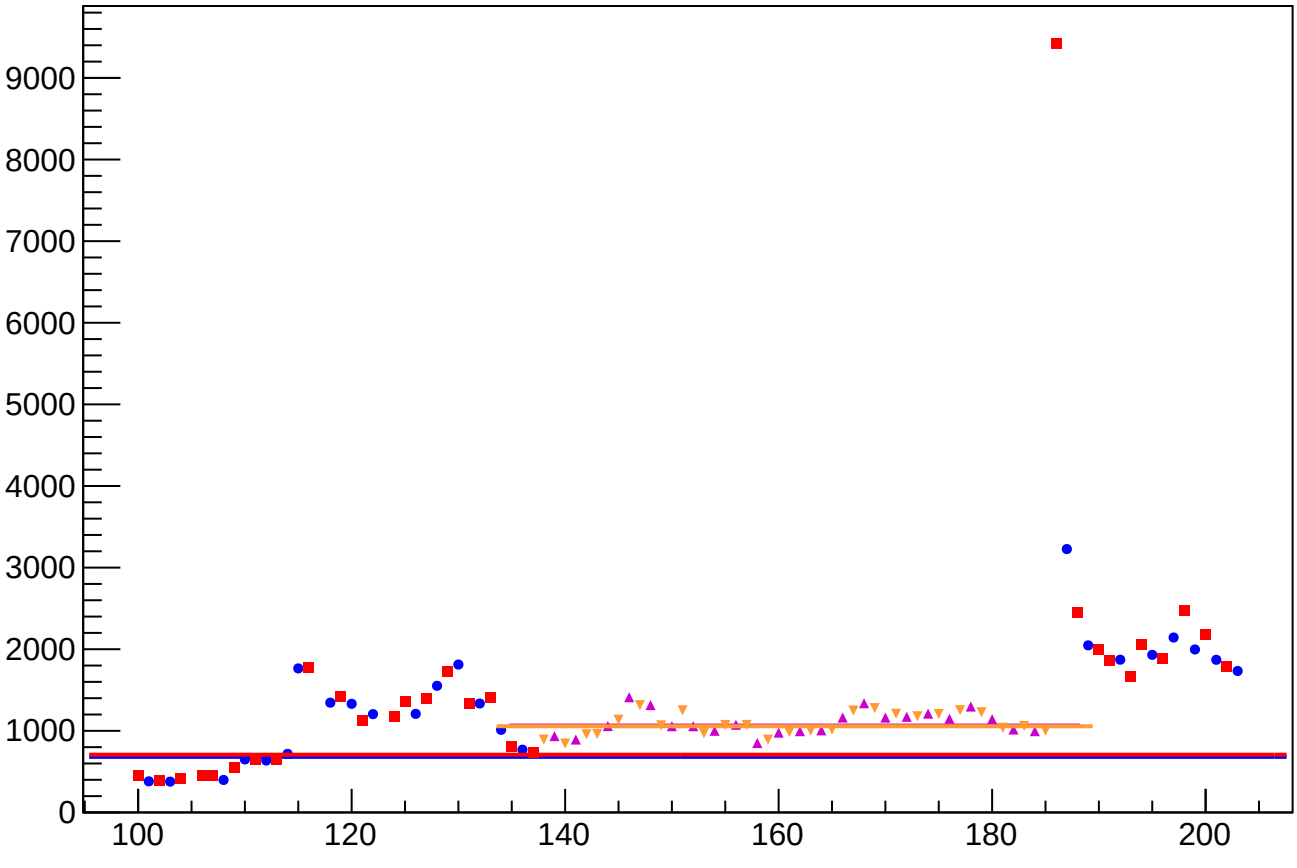
Left: 185.210+/-174.449 χ^2/NDF: 67.9/47

Right: 161.945+/-162.991 χ^2/NDF: 50.8/52

In: 199.855+/-170.123 χ^2/NDF:58.0/46

Out: 146.775+/-166.784 χ^2/NDF:60.6/53

All: 172.789+/-119.097 χ^2/NDF: 118.7/100



Right In: 681.163+/-0.163 χ^2/NDF: 8905049.6/23

Left Out: 1056.328+/-0.171 χ^2/NDF:610715.5/24

Right Out: 707.855+/-0.163 χ^2/NDF: 9985222.7/28

Left In: 1064.691+/-0.178 χ^2/NDF:611059.3/22

Left: 1060.360+/-0.123 χ^2/NDF: 1222922.4/47

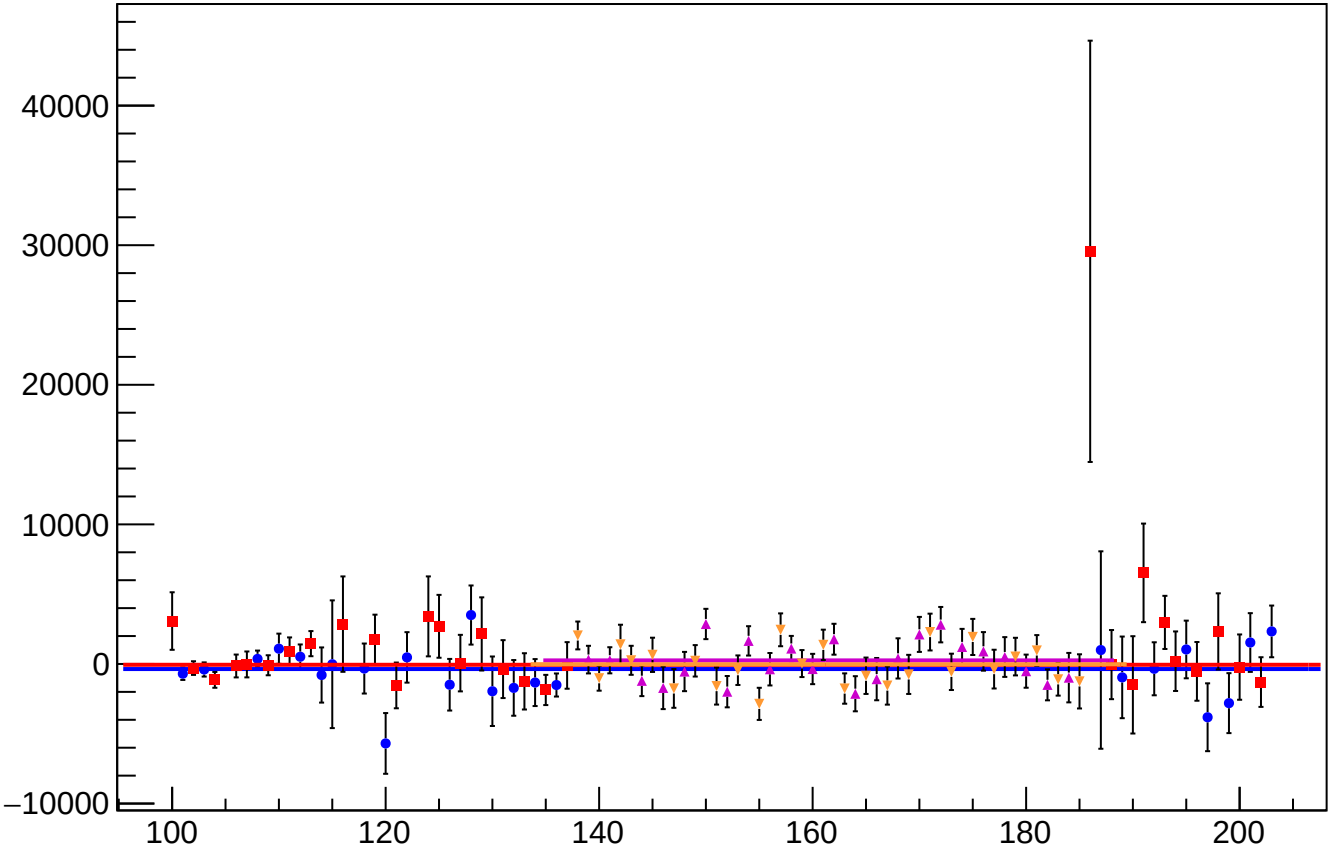
Right: 694.587+/-0.115 χ^2/NDF: 18903681.2/52

In: 856.998+/-0.120 χ^2/NDF:12039777.1/46

Out: 872.824+/-0.118 χ^2/NDF:12772506.3/53

All: 865.068+/-0.084 χ^2/NDF: 24821109.5/10

asym_sam6_mean vs Slug, Sign Corrected



Right In: -364.345+/-227.760 χ^2/NDF: 24.7/23

Left Out: -21.861+/-237.972 χ^2/NDF:34.5/24

Right Out: -58.794+/-227.606 χ^2/NDF: 30.8/28

Left In: 255.399+/-247.203 χ^2/NDF:33.6/22

Left: 111.496+/-171.442 χ^2/NDF: 68.7/47

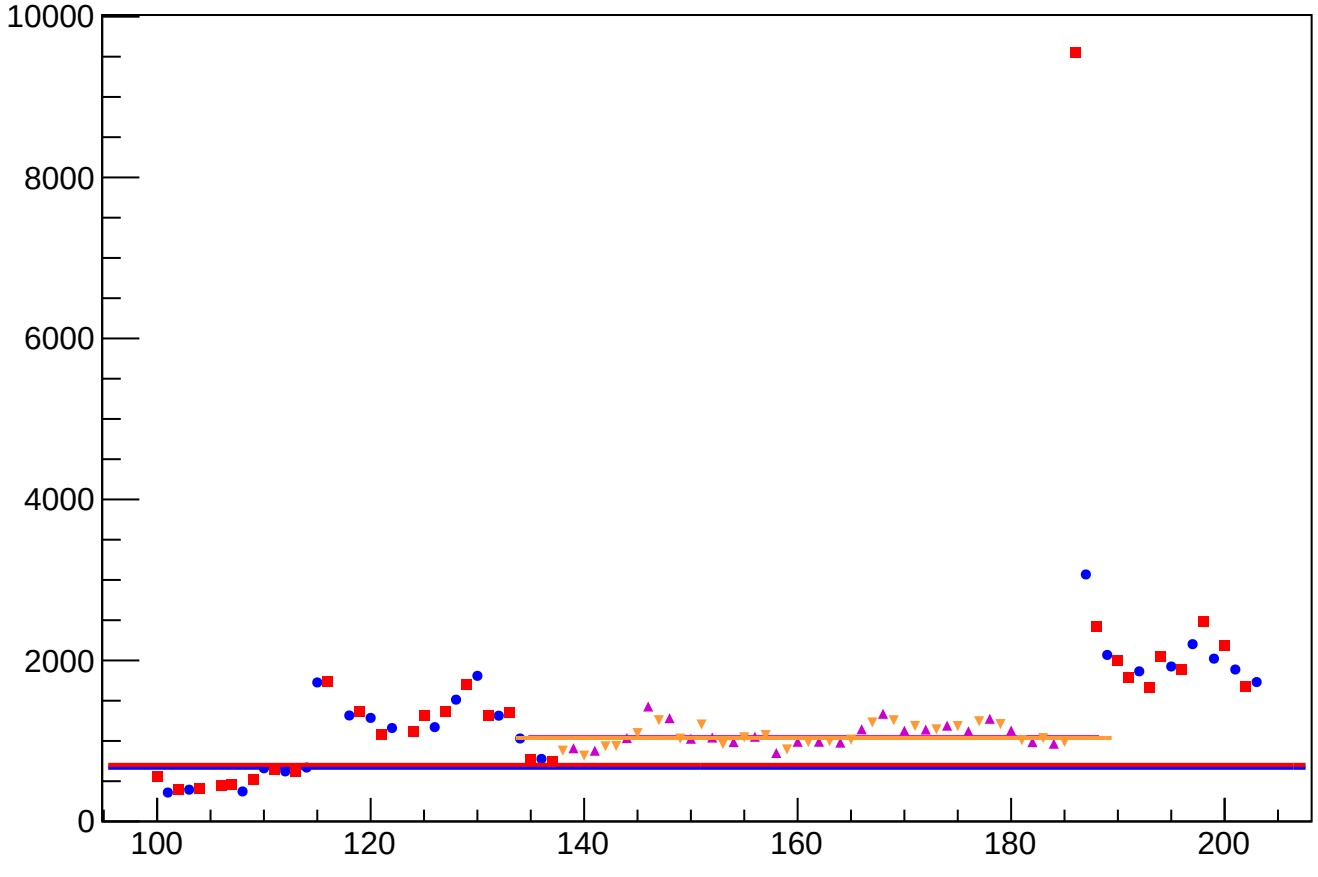
Right: -211.466+/-160.996 χ^2/NDF: 56.5/52

In: -79.799+/-167.503 χ^2/NDF:61.7/46

Out: -41.149+/-164.484 χ^2/NDF:65.4/53

All: -60.123+/-117.361 χ^2/NDF: 127.1/100

asym_sam6_rms vs Slug, Sign Corrected



Right In: 666.954+/-0.161 χ^2/NDF: 9082126.0/23

Left Out: 1037.324+/-0.168 χ^2/NDF:585511.9/24

Right Out: 703.494+/-0.161 χ^2/NDF: 9817230.1/28

Left In: 1047.629+/-0.175 χ^2/NDF:613357.0/22

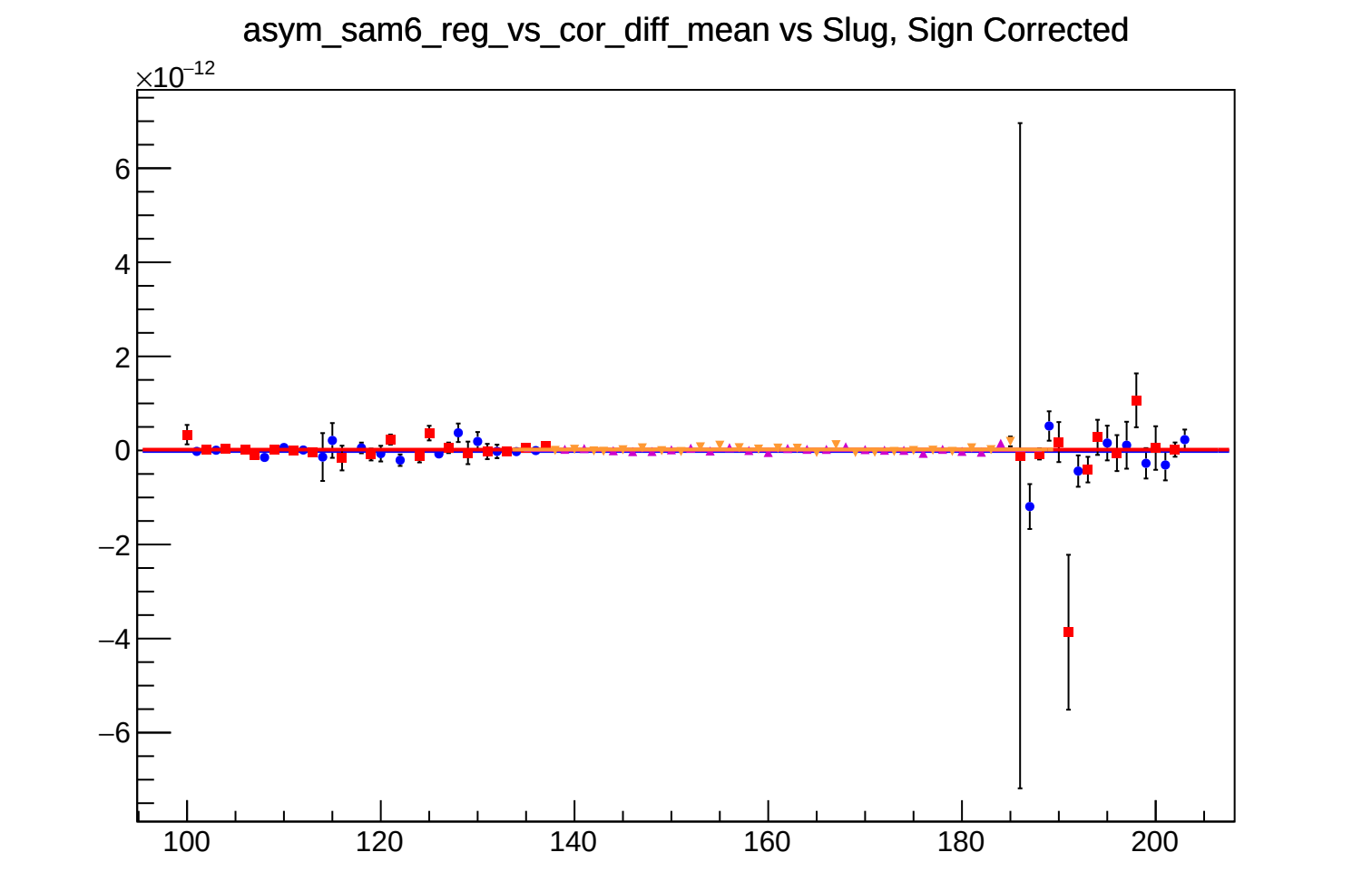
Left: 1042.281+/-0.121 χ^2/NDF: 1200672.6/47

Right: 685.237+/-0.114 χ^2/NDF: 18925112.3/52

In: 841.735+/-0.118 χ^2/NDF:12260689.1/46

Out: 862.981+/-0.116 χ^2/NDF:12458207.8/53

All: 852.551+/-0.083 χ^2/NDF: 24735277.2/10



Right In: -0.000+/-0.000 χ^2/NDF: 29.6/23

Left Out: 0.000+/-0.000 χ^2/NDF:30.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 32.5/28

Left In: 0.000+/-0.000 χ^2/NDF:18.6/22

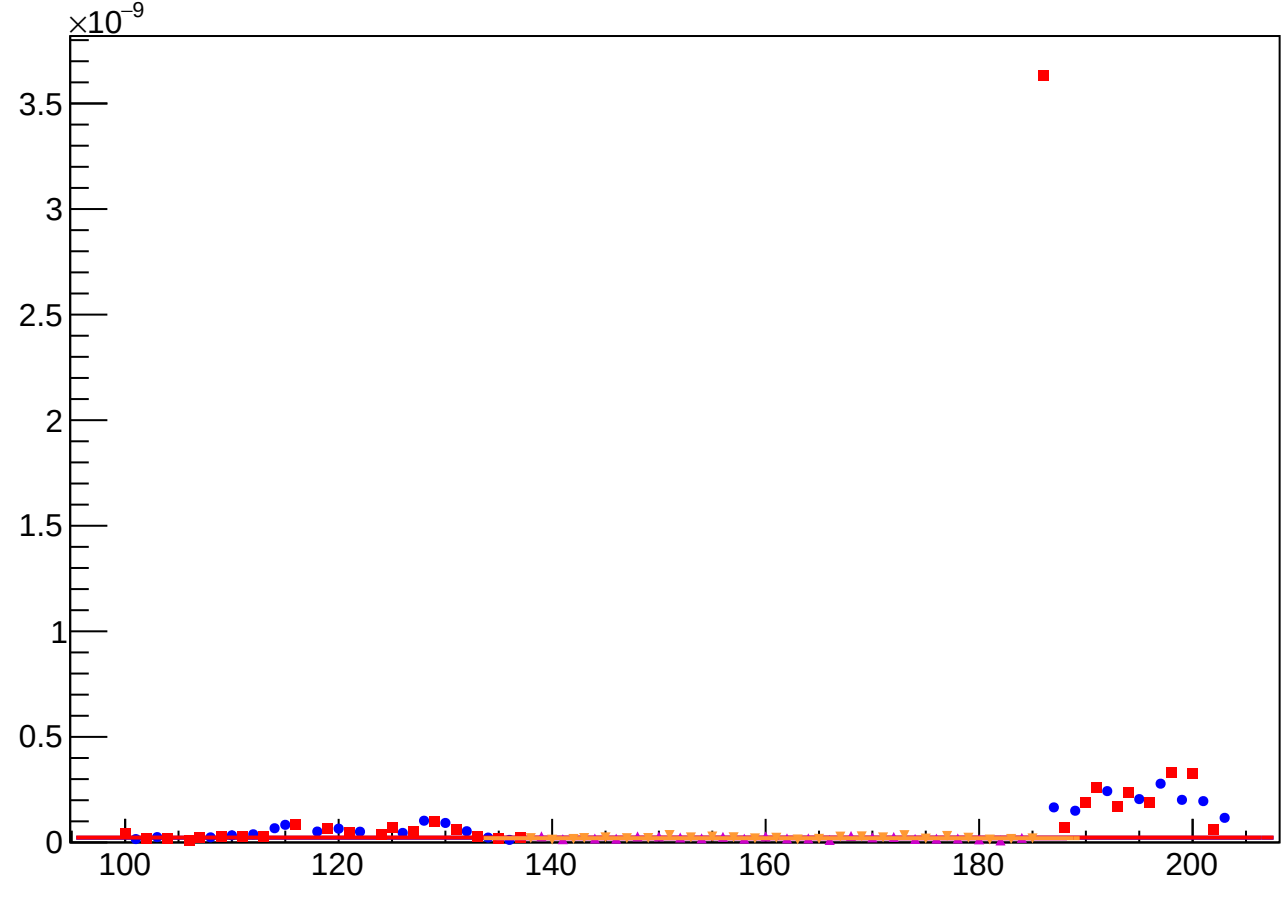
Left: 0.000+/-0.000 χ^2/NDF: 50.1/47

Right: 0.000+/-0.000 χ^2/NDF: 64.9/52

In: 0.000+/-0.000 χ^2/NDF:49.9/46

Out: 0.000+/-0.000 χ^2/NDF:62.5/53

All: 0.000+/-0.000 χ^2/NDF: 116.1/100



Right In: 0.000+/-0.000 χ^2/NDF: 6032455.1/23

Left Out: 0.000+/-0.000 χ^2/NDF:993542.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 6274434.5/28

Left In: 0.000+/-0.000 χ^2/NDF:1048721.4/22

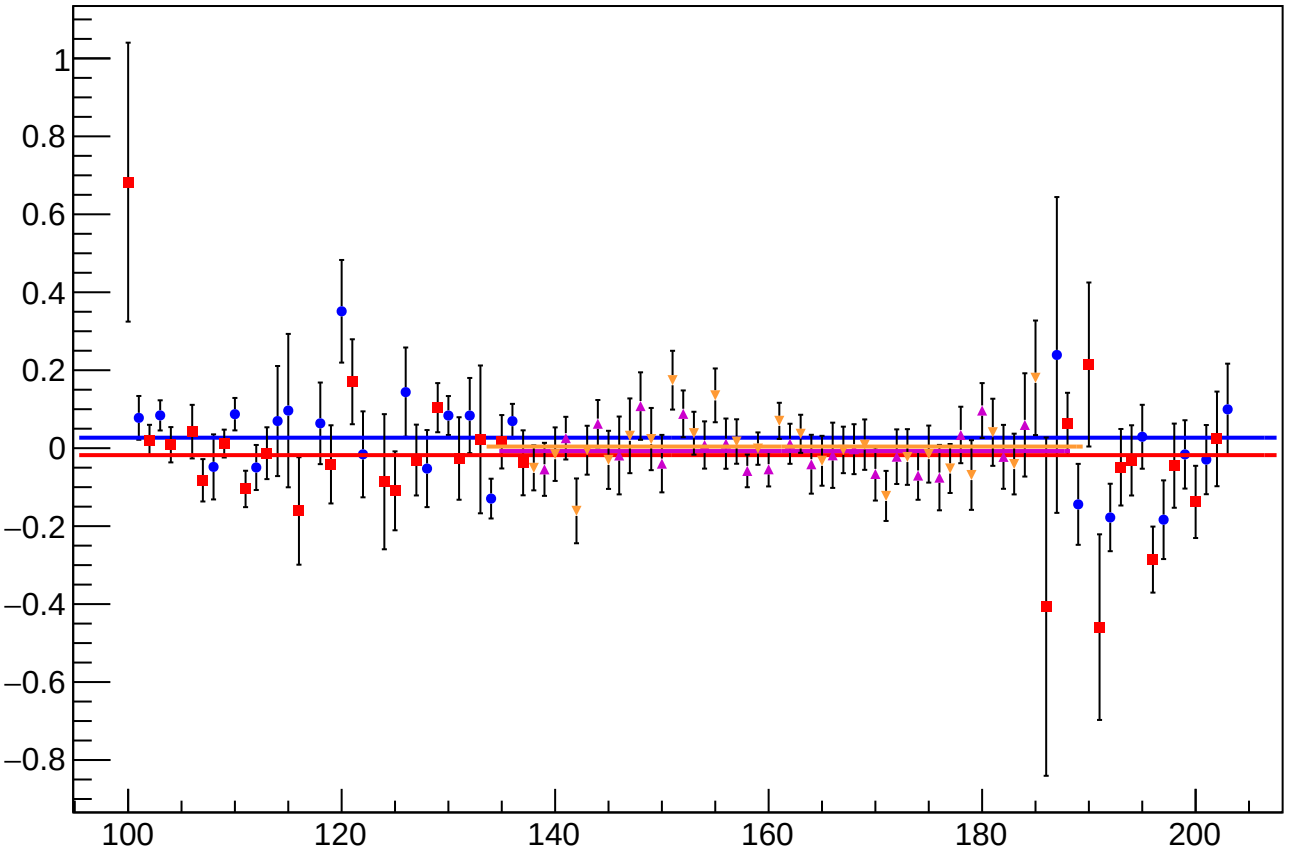
Left: 0.000+/-0.000 χ^2/NDF: 2058189.4/47

Right: 0.000+/-0.000 χ^2/NDF: 12313606.0/52

In: 0.000+/-0.000 χ^2/NDF:7161336.1/46

Out: 0.000+/-0.000 χ^2/NDF:7347424.0/53

All: 0.000+/-0.000 χ^2/NDF: 14527644.5/100



Right In: 0.027+/-0.015 χ^2/NDF: 41.8/23

Left Out: 0.004+/-0.013 χ^2/NDF:24.8/24

Right Out: -0.018+/-0.014 χ^2/NDF: 39.1/28

Left In: -0.007+/-0.014 χ^2/NDF:15.1/22

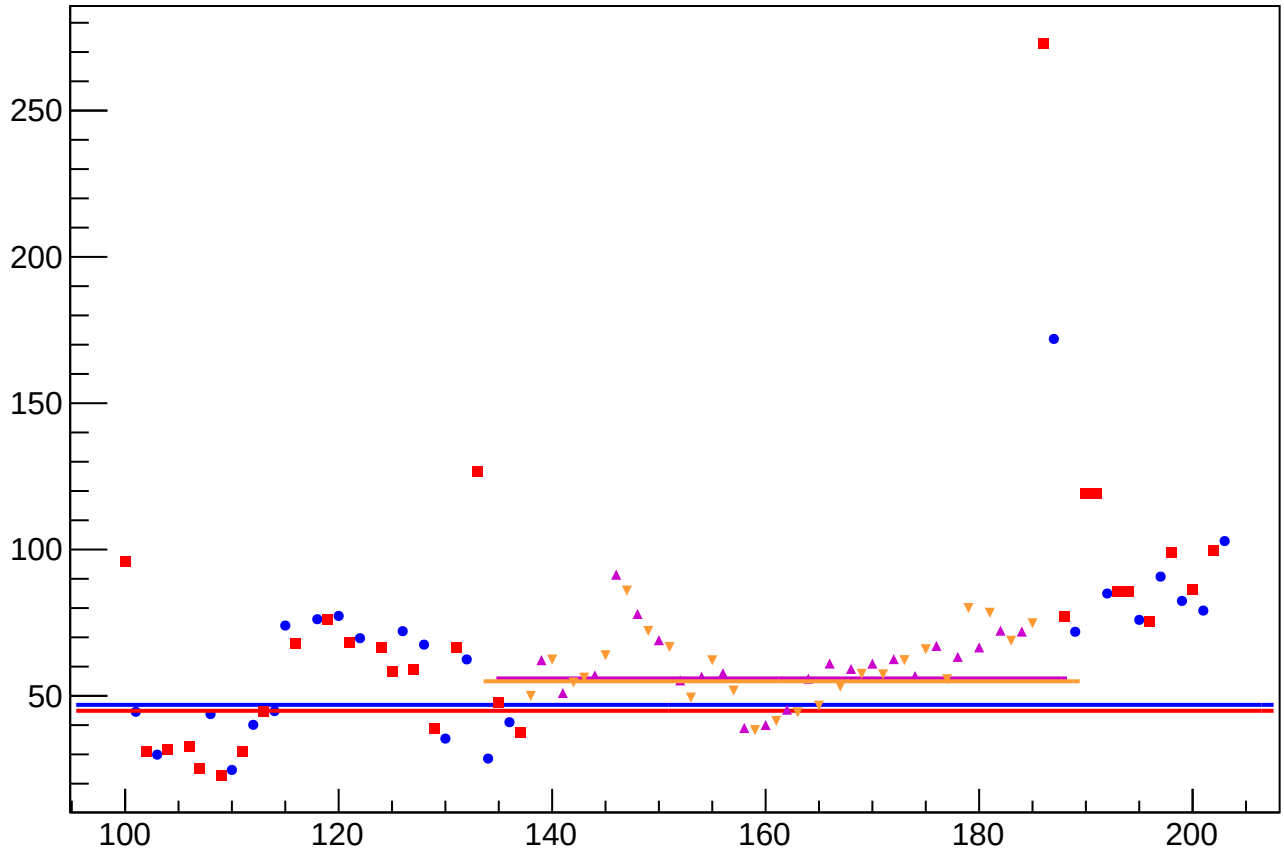
Left: -0.001+/-0.009 χ^2/NDF: 40.2/47

Right: 0.003+/-0.010 χ^2/NDF: 85.9/52

In: 0.008+/-0.010 χ^2/NDF:59.8/46

Out: -0.006+/-0.009 χ^2/NDF:65.3/53

All: 0.001+/-0.007 χ^2/NDF: 126.3/100



Right In: 46.924+/-0.010 χ^2/NDF: 4384174.2/23

Left Out: 54.986+/-0.009 χ^2/NDF:1566844.0/24

Right Out: 44.902+/-0.010 χ^2/NDF: 6327693.4/28

Left In: 55.956+/-0.010 χ^2/NDF:1406142.1/22

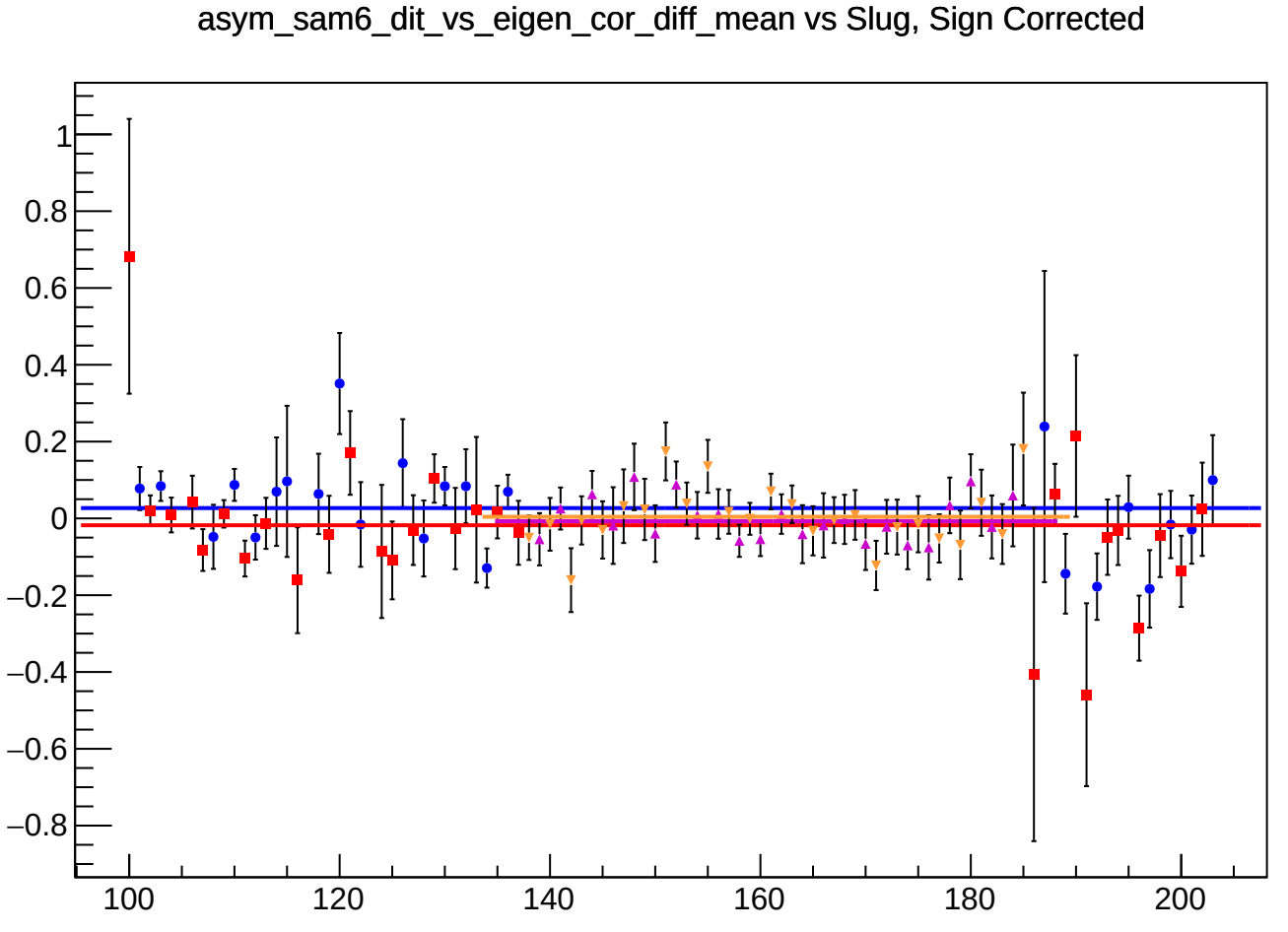
Left: 55.451+/-0.007 χ^2/NDF: 2978352.9/47

Right: 45.861+/-0.007 χ^2/NDF: 10732106.0/52

In: 51.781+/-0.007 χ^2/NDF:6203047.3/46

Out: 50.278+/-0.007 χ^2/NDF:8460397.8/53

All: 50.994+/-0.005 χ^2/NDF: 14687502.5/100



Right In: 0.027+/-0.015 χ^2/NDF: 41.8/23

Left Out: 0.004+/-0.013 χ^2/NDF:24.8/24

Right Out: -0.018+/-0.014 χ^2/NDF: 39.1/28

Left In: -0.007+/-0.014 χ^2/NDF:15.1/22

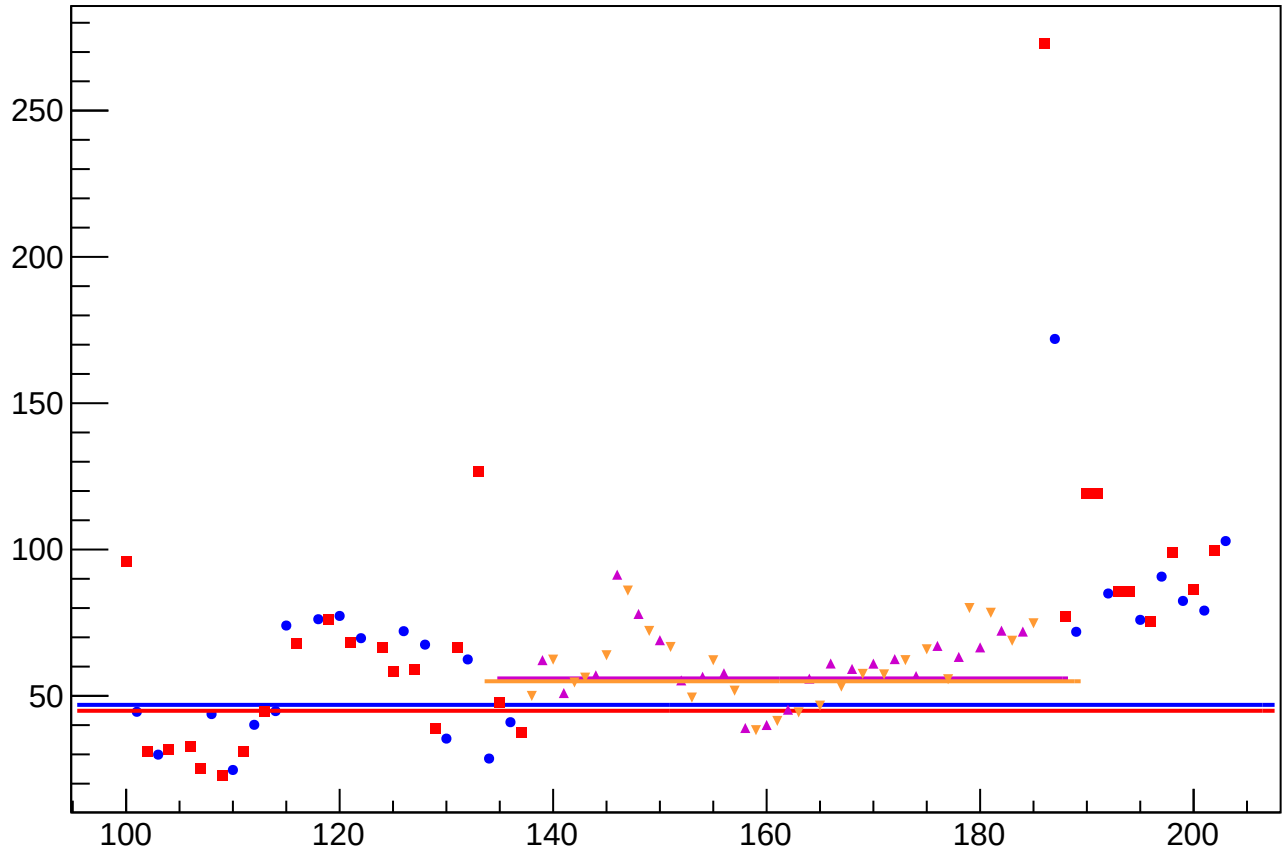
Left: -0.001+/-0.009 χ^2/NDF: 40.2/47

Right: 0.003+/-0.010 χ^2/NDF: 85.9/52

In: 0.008+/-0.010 χ^2/NDF:59.8/46

Out: -0.006+/-0.009 χ^2/NDF:65.3/53

All: 0.001+/-0.007 χ^2/NDF: 126.3/100



Right In: 46.924+/-0.010 χ^2/NDF: 4384174.2/23

Left Out: 54.986+/-0.009 χ^2/NDF:1566844.0/24

Right Out: 44.902+/-0.010 χ^2/NDF: 6327693.4/28

Left In: 55.956+/-0.010 χ^2/NDF:1406142.1/22

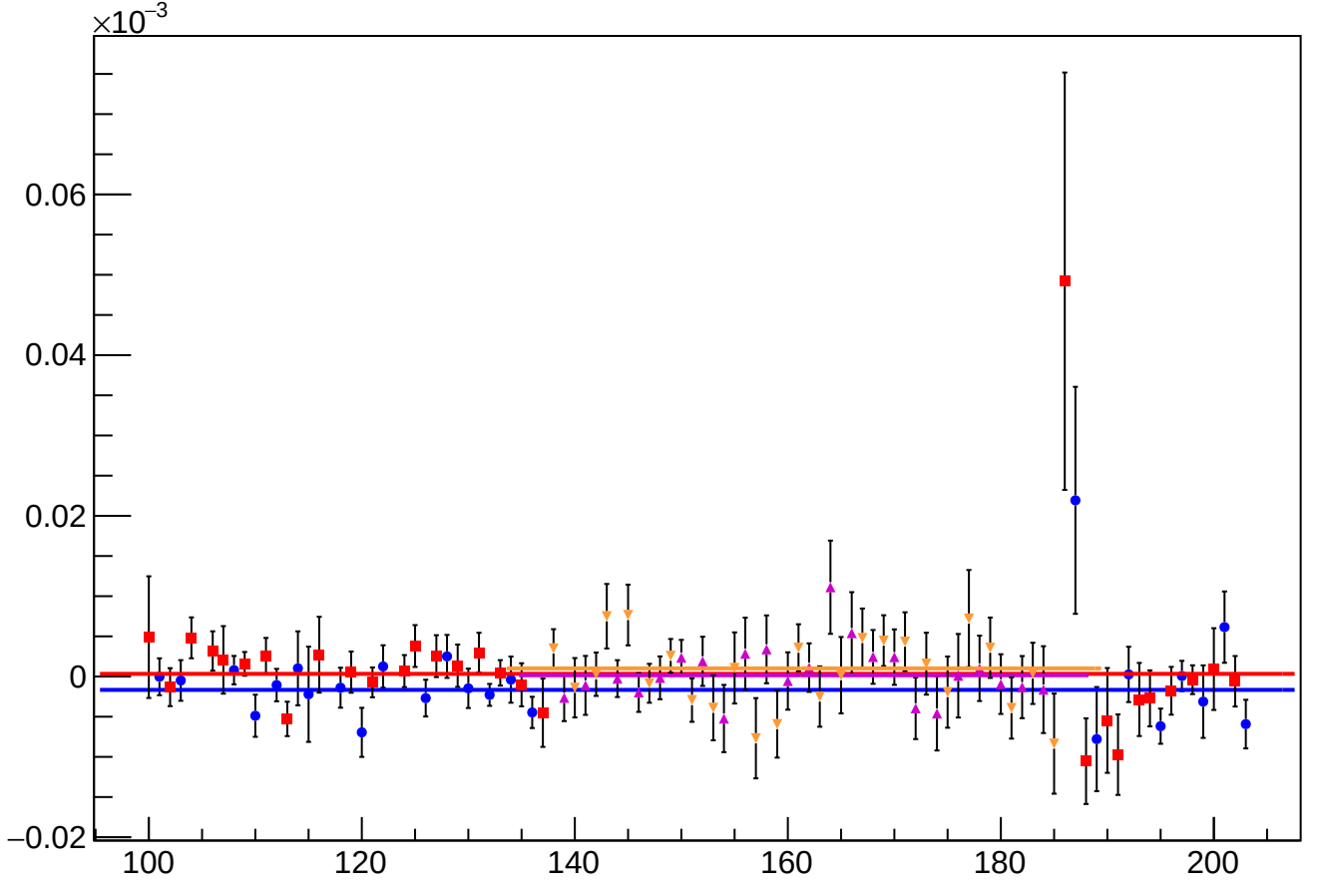
Left: 55.451+/-0.007 χ^2/NDF: 2978352.9/47

Right: 45.861+/-0.007 χ^2/NDF: 10732106.0/52

In: 51.781+/-0.007 χ^2/NDF:6203047.3/46

Out: 50.278+/-0.007 χ^2/NDF:8460397.8/53

All: 50.994+/-0.005 χ^2/NDF: 14687502.5/100



Right In: -0.000+/-0.000 χ^2/NDF: 28.2/23

Left Out: 0.000+/-0.000 χ^2/NDF:28.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 34.6/28

Left In: 0.000+/-0.000 χ^2/NDF:14.0/22

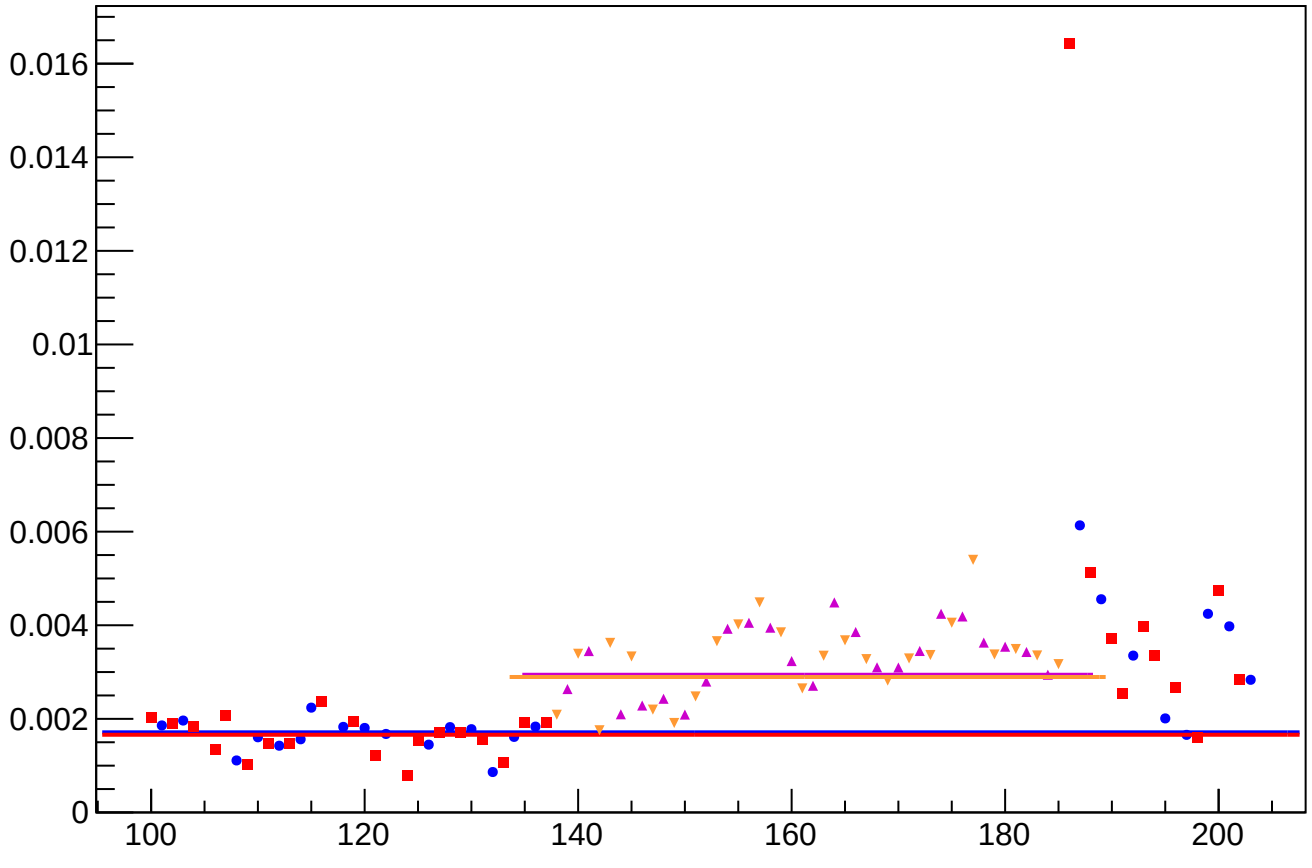
Left: 0.000+/-0.000 χ^2/NDF: 43.3/47

Right: -0.000+/-0.000 χ^2/NDF: 70.7/52

In: -0.000+/-0.000 χ^2/NDF:46.6/46

Out: 0.000+/-0.000 χ^2/NDF:63.8/53

All: -0.000+/-0.000 χ^2/NDF: 118.0/100



Right In: 0.002+/-0.000 χ^2/NDF: 3638764.5/23

Left Out: 0.003+/-0.000 χ^2/NDF:2642911.8/24

Right Out: 0.002+/-0.000 χ^2/NDF: 5374337.8/28

Left In: 0.003+/-0.000 χ^2/NDF:1890470.3/22

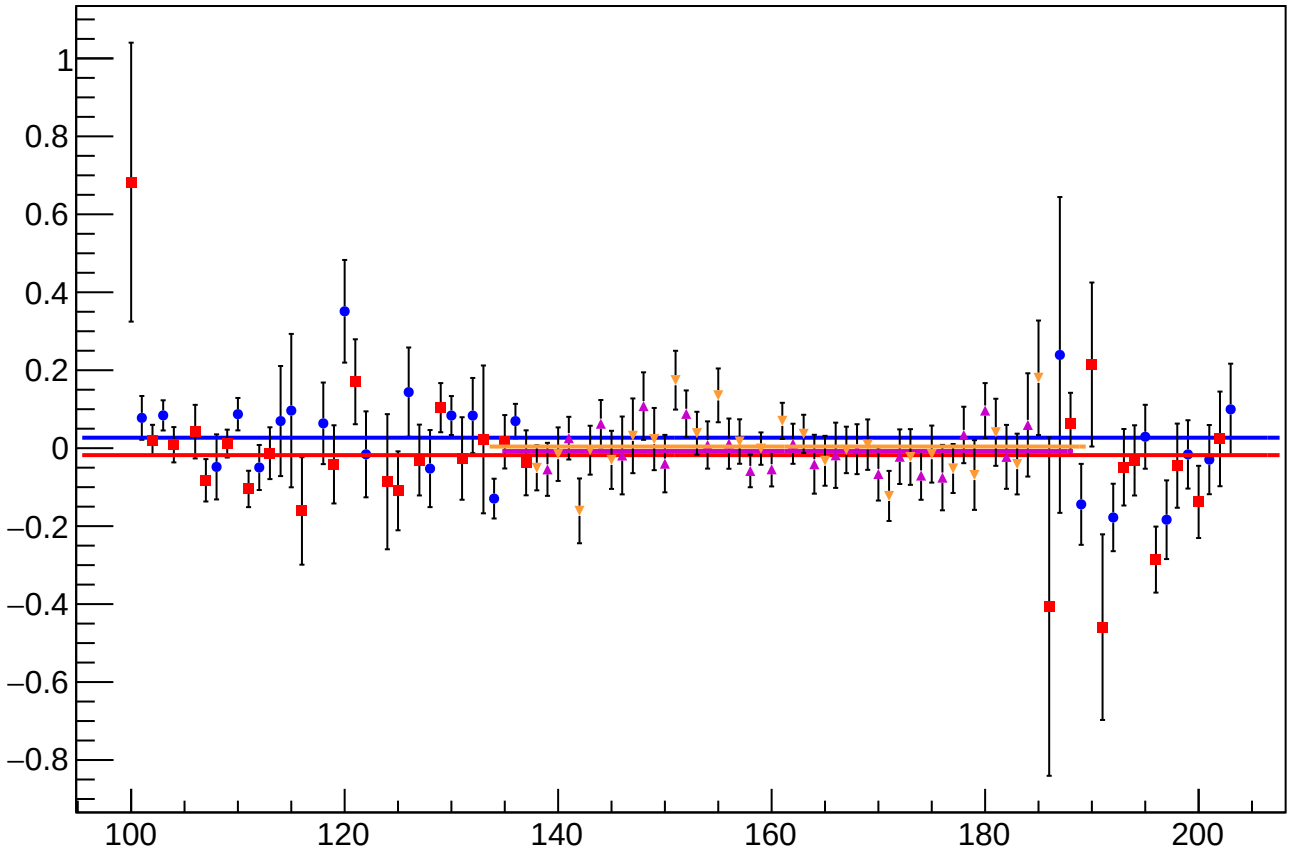
Left: 0.003+/-0.000 χ^2/NDF: 4538040.8/47

Right: 0.002+/-0.000 χ^2/NDF: 9023636.9/52

In: 0.002+/-0.000 χ^2/NDF:9465628.3/46

Out: 0.002+/-0.000 χ^2/NDF:12307043.6/53

All: 0.002+/-0.000 χ^2/NDF: 21793966.3/100



Right In: 0.027+/-0.015 χ^2/NDF: 41.8/23

Left Out: 0.004+/-0.013 χ^2/NDF:24.8/24

Right Out: -0.018+/-0.014 χ^2/NDF: 39.1/28

Left In: -0.007+/-0.014 χ^2/NDF:15.1/22

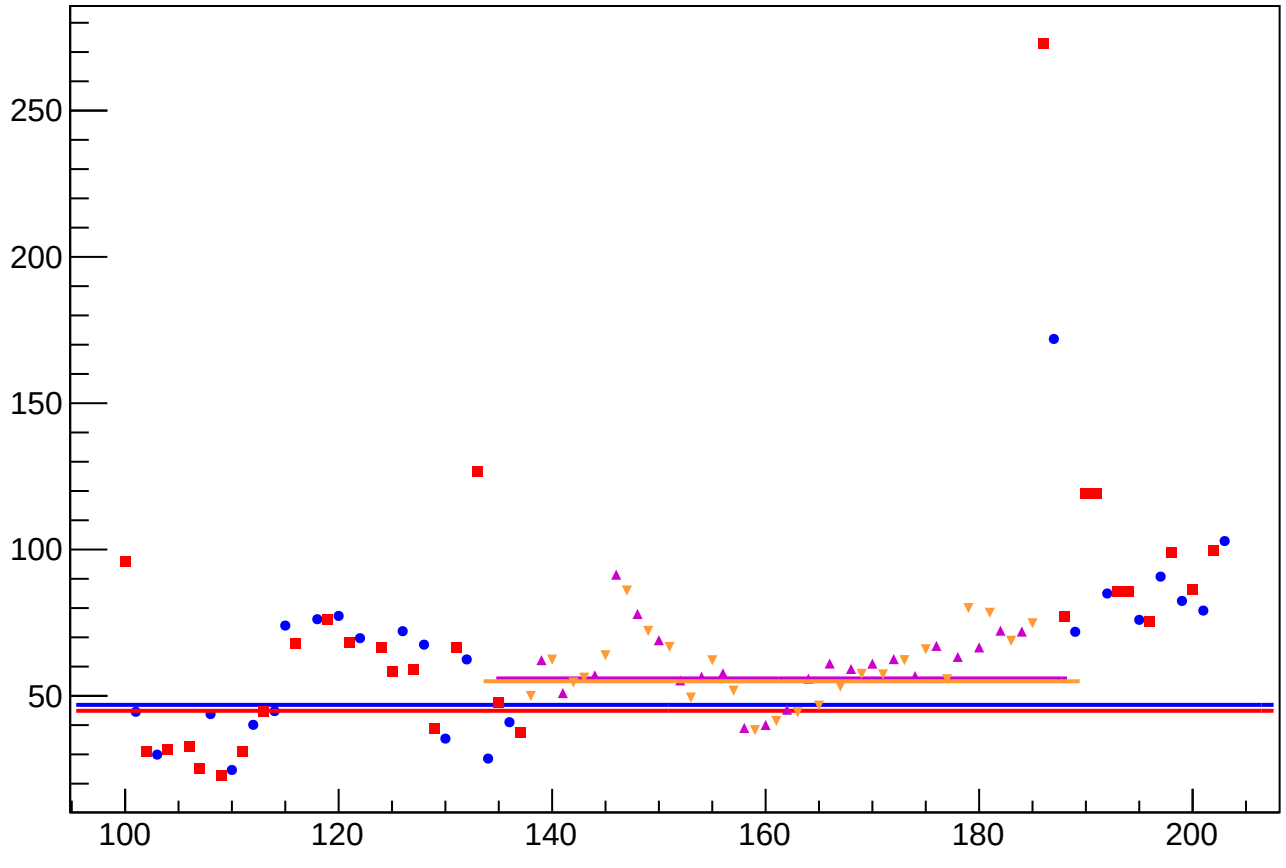
Left: -0.001+/-0.009 χ^2/NDF: 40.2/47

Right: 0.003+/-0.010 χ^2/NDF: 85.9/52

In: 0.008+/-0.010 χ^2/NDF:59.8/46

Out: -0.006+/-0.009 χ^2/NDF:65.3/53

All: 0.001+/-0.007 χ^2/NDF: 126.3/100



Right In: 46.924+/-0.010 χ^2/NDF: 4384279.0/23

Left Out: 54.985+/-0.009 χ^2/NDF:1566963.9/24

Right Out: 44.901+/-0.010 χ^2/NDF: 6327687.7/28

Left In: 55.955+/-0.010 χ^2/NDF:1406309.5/22

Left: 55.449+/-0.007 χ^2/NDF: 2978638.3/47

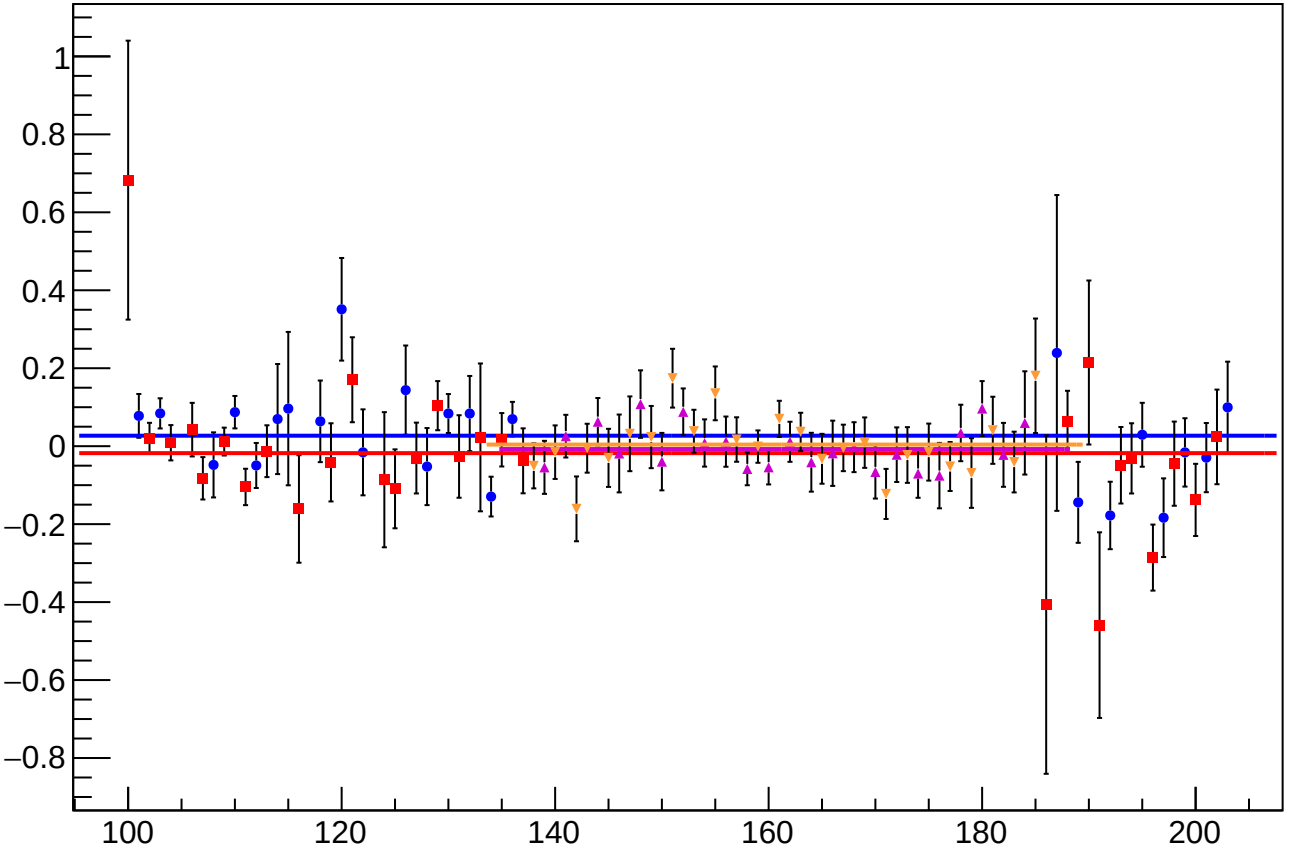
Right: 45.860+/-0.007 χ^2/NDF: 10732200.2/52

In: 51.780+/-0.007 χ^2/NDF:6203278.2/46

Out: 50.277+/-0.007 χ^2/NDF:8460451.2/53

All: 50.993+/-0.005 χ^2/NDF: 14687780.3/100

asym_sam6_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.027+/-0.015 χ^2/NDF: 41.8/23

Left Out: 0.004+/-0.013 χ^2/NDF:24.8/24

Right Out: -0.018+/-0.014 χ^2/NDF: 39.1/28

Left In: -0.007+/-0.014 χ^2/NDF:15.1/22

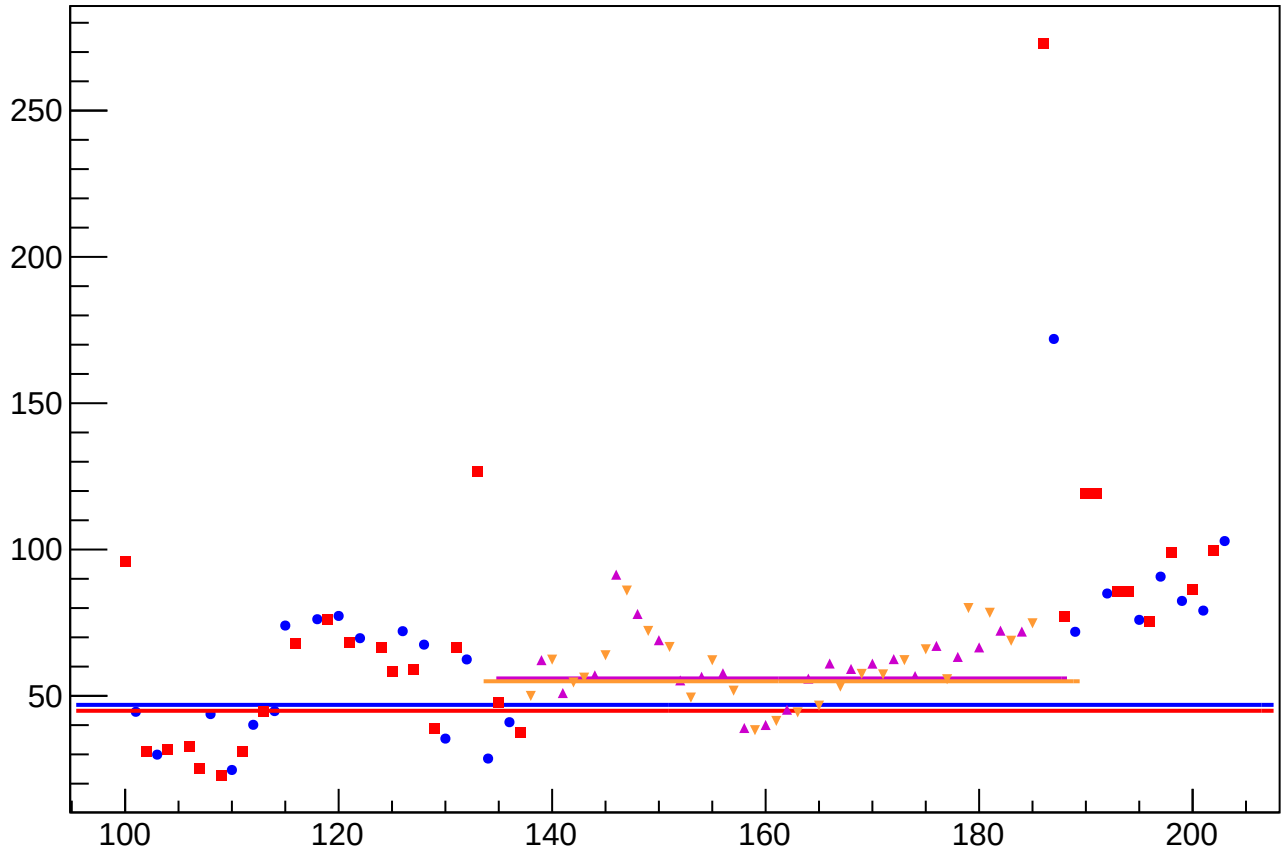
Left: -0.001+/-0.009 χ^2/NDF: 40.2/47

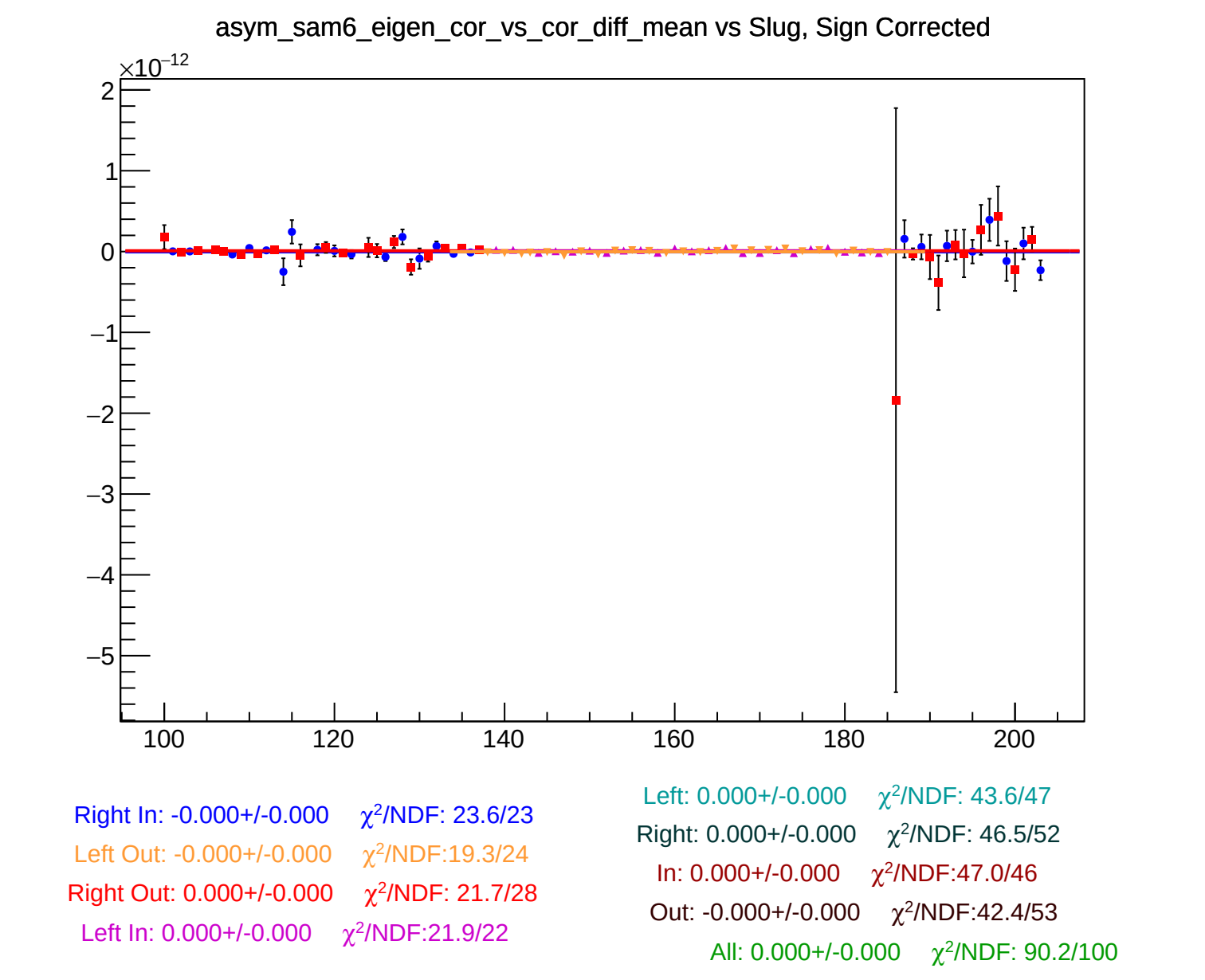
Right: 0.003+/-0.010 χ^2/NDF: 85.9/52

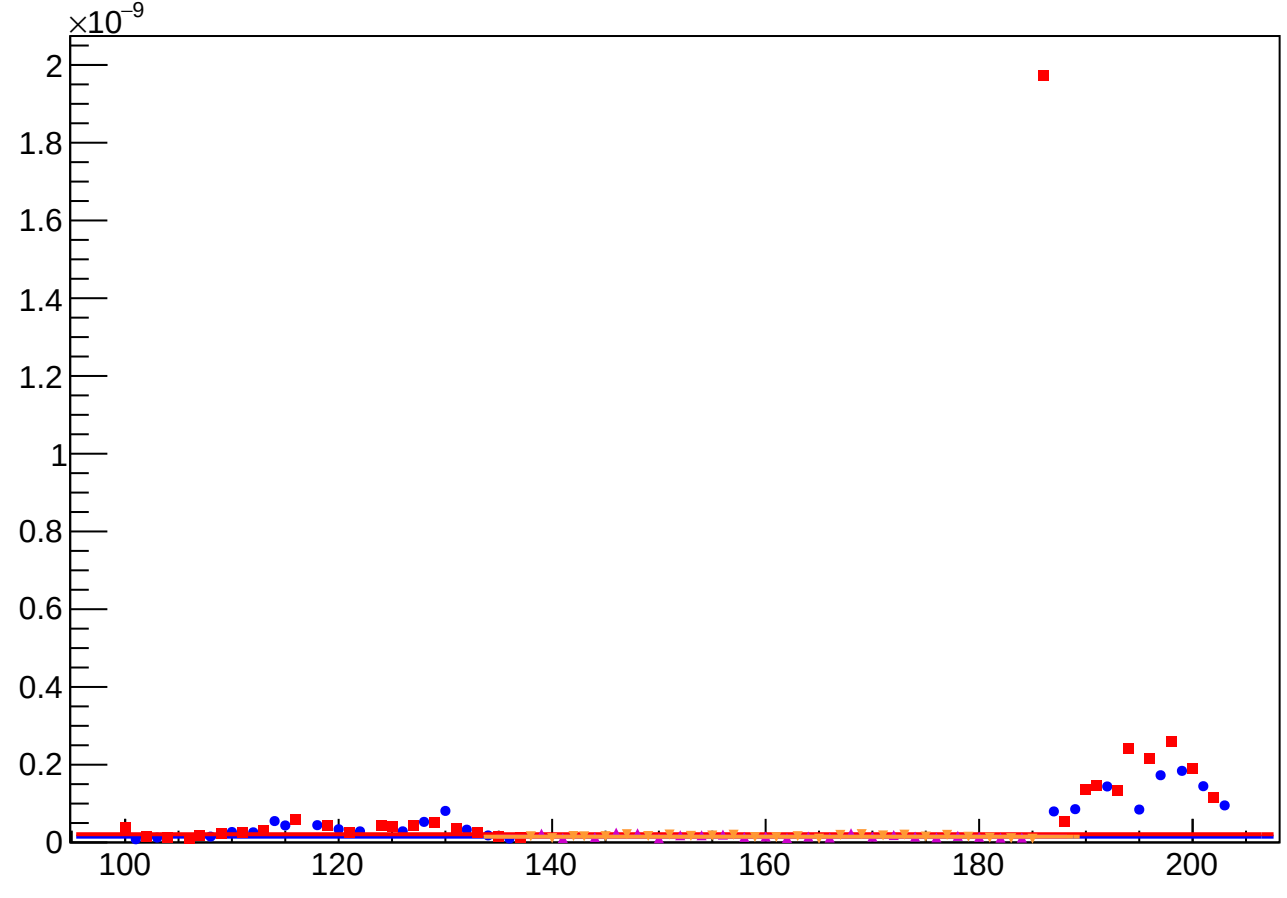
In: 0.008+/-0.010 χ^2/NDF:59.8/46

Out: -0.006+/-0.009 χ^2/NDF:65.3/53

All: 0.001+/-0.007 χ^2/NDF: 126.3/100


asym_sam6_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected
250
200
150
100
50
100
120
140
160
180
200
Right In: 46.924+/-0.010 χ²/NDF: 4384279.0/23
Left Out: 54.985+/-0.009 χ²/NDF:1566963.9/24
Right Out: 44.901+/-0.010 χ²/NDF: 6327687.7/28
Left In: 55.955+/-0.010 χ²/NDF:1406309.5/22
Left: 55.449+/-0.007 χ²/NDF: 2978638.3/47
Right: 45.860+/-0.007 χ²/NDF: 10732200.2/52
In: 51.780+/-0.007 χ²/NDF:6203278.2/46
Out: 50.277+/-0.007 χ²/NDF:8460451.2/53
All: 50.993+/-0.005 χ²/NDF: 14687780.3/100


asym_sam6_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
2
1
0
−1
−2
−3
−4
−5
100
120
140
160
180
200
Right In: -0.000+/-0.000 χ²/NDF: 23.6/23
Left Out: -0.000+/-0.000 χ²/NDF:19.3/24
Right Out: 0.000+/-0.000 χ²/NDF: 21.7/28
Left In: 0.000+/-0.000 χ²/NDF:21.9/22
Left: 0.000+/-0.000 χ²/NDF: 43.6/47
Right: 0.000+/-0.000 χ²/NDF: 46.5/52
In: 0.000+/-0.000 χ²/NDF:47.0/46
Out: -0.000+/-0.000 χ²/NDF:42.4/53
All: 0.000+/-0.000 χ²/NDF: 90.2/100



Right In: 0.000+/-0.000 χ^2/NDF: 8647790.8/23

Left Out: 0.000+/-0.000 χ^2/NDF:1401850.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 8953139.0/28

Left In: 0.000+/-0.000 χ^2/NDF:1427121.6/22

Left: 0.000+/-0.000 χ^2/NDF: 2830255.7/47

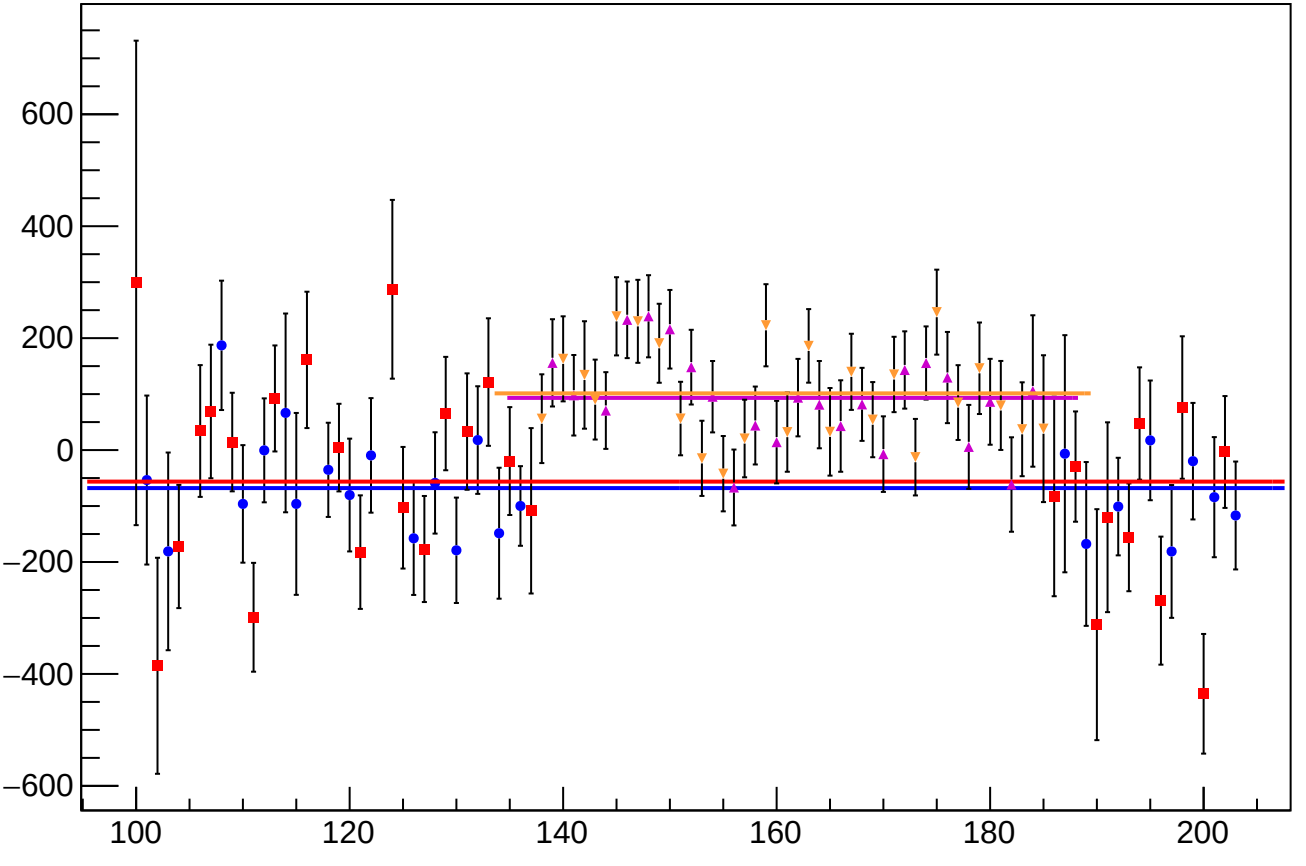
Right: 0.000+/-0.000 χ^2/NDF: 18198123.1/52

In: 0.000+/-0.000 χ^2/NDF:10074979.1/46

Out: 0.000+/-0.000 χ^2/NDF:11194729.0/53

All: 0.000+/-0.000 χ^2/NDF: 21335475.8/100

reg_asym_sam7_mean vs Slug, Sign Corrected



Right In: -67.942+/-21.724 χ^2/NDF: 13.4/23

Left Out: 101.325+/-14.642 χ^2/NDF:33.9/24

Right Out: -56.343+/-20.796 χ^2/NDF: 53.7/28

Left In: 93.236+/-15.137 χ^2/NDF:28.8/22

Left: 97.415+/-10.524 χ^2/NDF: 62.9/47

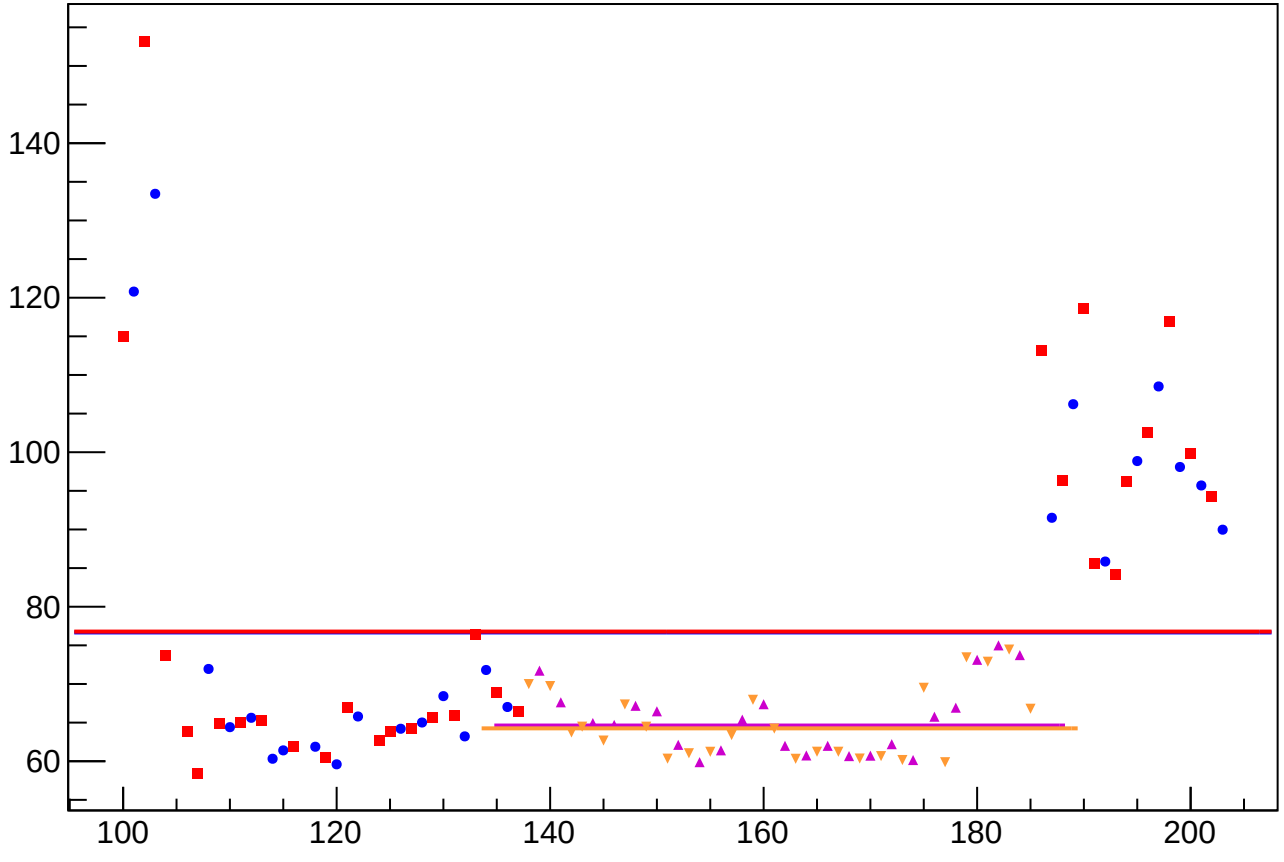
Right: -61.889+/-15.022 χ^2/NDF: 67.2/52

In: 40.561+/-12.419 χ^2/NDF:79.3/46

Out: 49.070+/-11.972 χ^2/NDF:126.0/53

All: 44.972+/-8.619 χ^2/NDF: 205.5/100

reg_asym_sam7_rms vs Slug, Sign Corrected



Right In: 76.670+/-0.015 χ^2/NDF: 1300092.0/23

Left Out: 64.256+/-0.010 χ^2/NDF:177697.9/24

Right Out: 76.783+/-0.015 χ^2/NDF: 1571142.3/28

Left In: 64.621+/-0.011 χ^2/NDF:147201.3/22

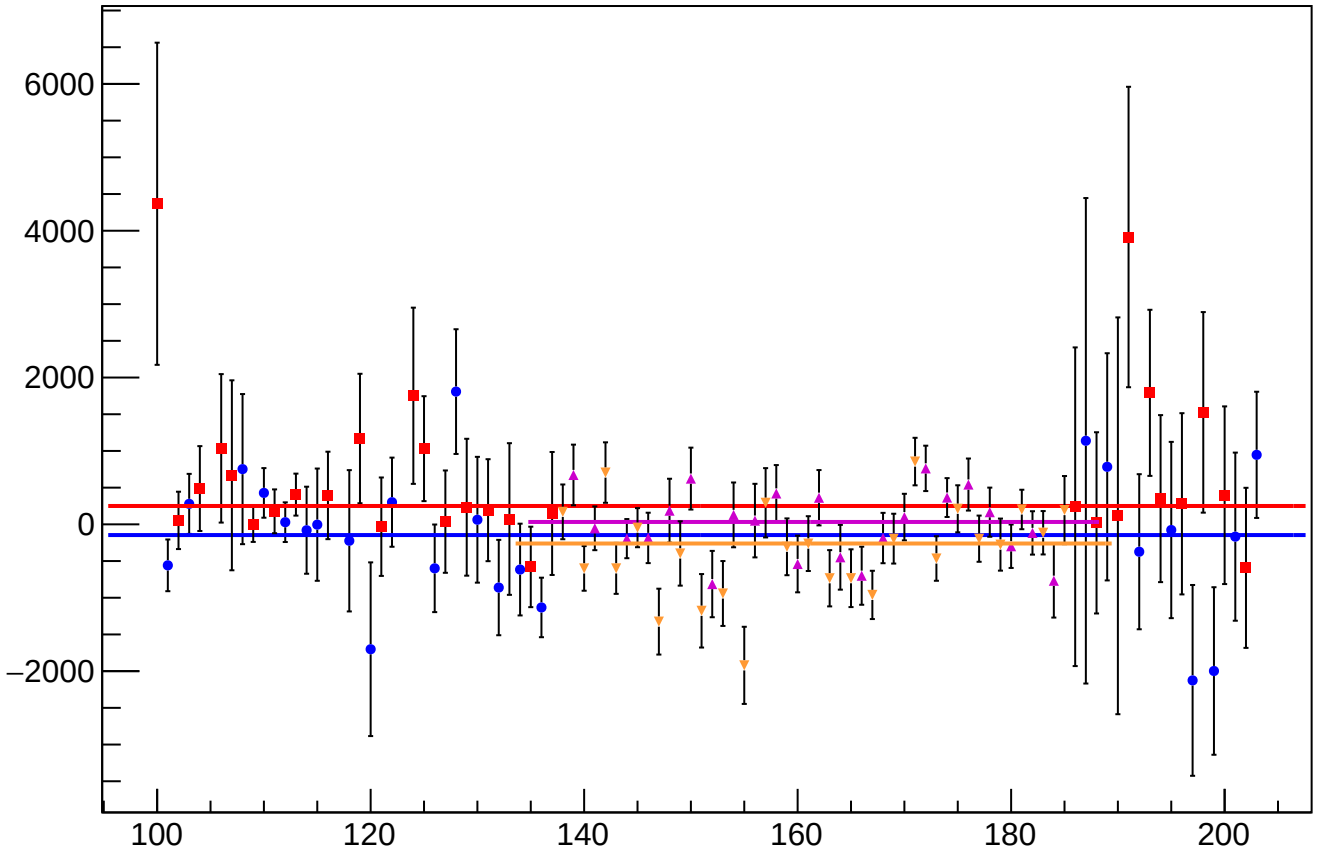
Left: 64.432+/-0.007 χ^2/NDF: 325501.9/47

Right: 76.729+/-0.011 χ^2/NDF: 2871262.5/52

In: 68.559+/-0.009 χ^2/NDF:1861433.7/46

Out: 68.407+/-0.008 χ^2/NDF:2234057.4/53

All: 68.480+/-0.006 χ^2/NDF: 4095645.2/100



Right In: -145.984+/-120.685 χ^2/NDF: 29.6/23

Left Out: -261.124+/-71.268 χ^2/NDF:58.8/24

Right Out: 250.166+/-113.521 χ^2/NDF: 19.2/28

Left In: 32.423+/-73.837 χ^2/NDF:31.7/22

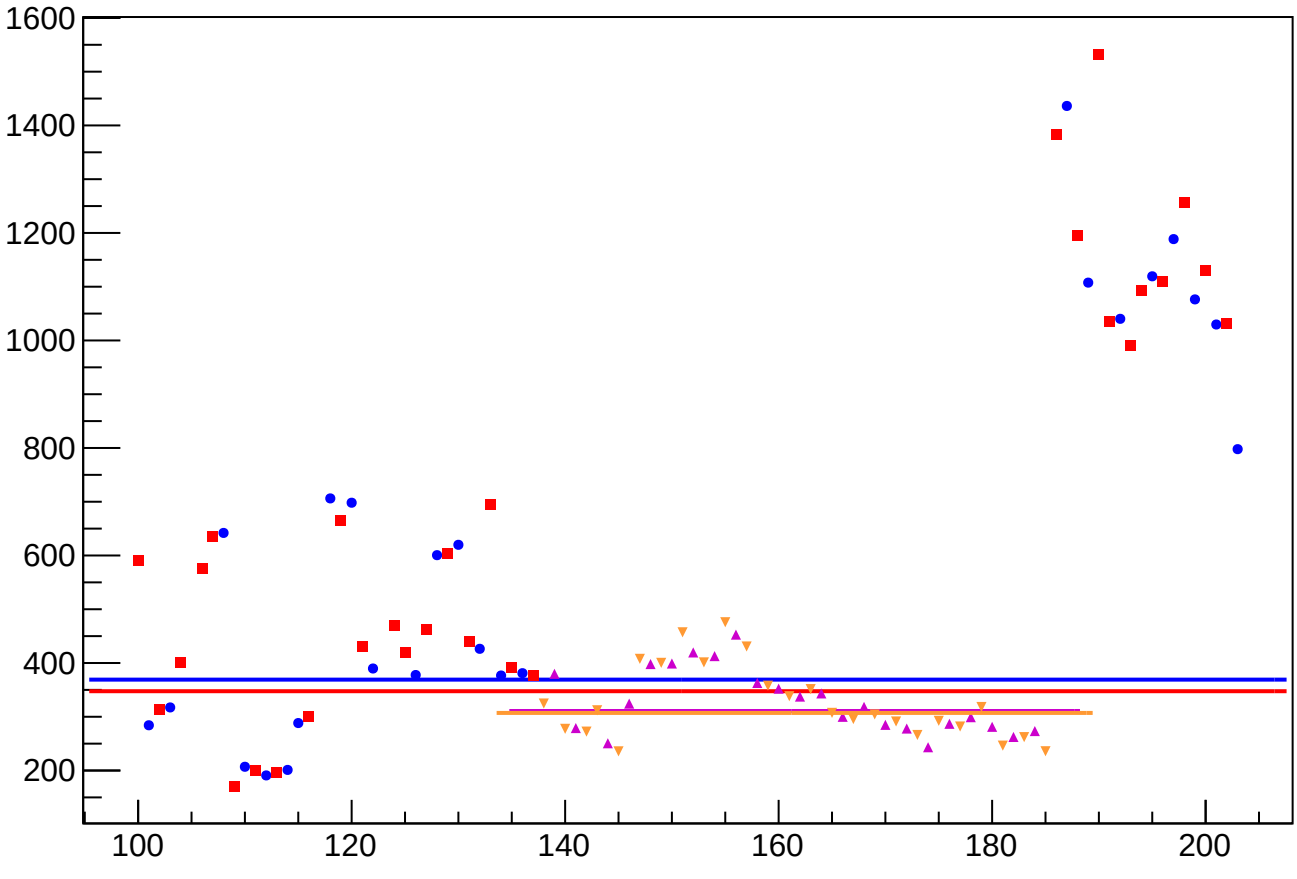
Left: -119.545+/-51.278 χ^2/NDF: 98.7/47

Right: 64.197+/-82.688 χ^2/NDF: 54.5/52

In: -16.169+/-62.984 χ^2/NDF:62.9/46

Out: -116.578+/-60.359 χ^2/NDF:92.6/53

All: -68.510+/-43.579 χ^2/NDF: 156.8/100



Right In: 369.081+/-0.085 χ^2/NDF: 7521755.4/23

Left Out: 307.143+/-0.050 χ^2/NDF:1320151.2/24

Right Out: 347.536+/-0.080 χ^2/NDF: 10005449.4/28

Left In: 310.697+/-0.052 χ^2/NDF:1079476.2/22

Left: 308.857+/-0.036 χ^2/NDF: 2402026.6/47

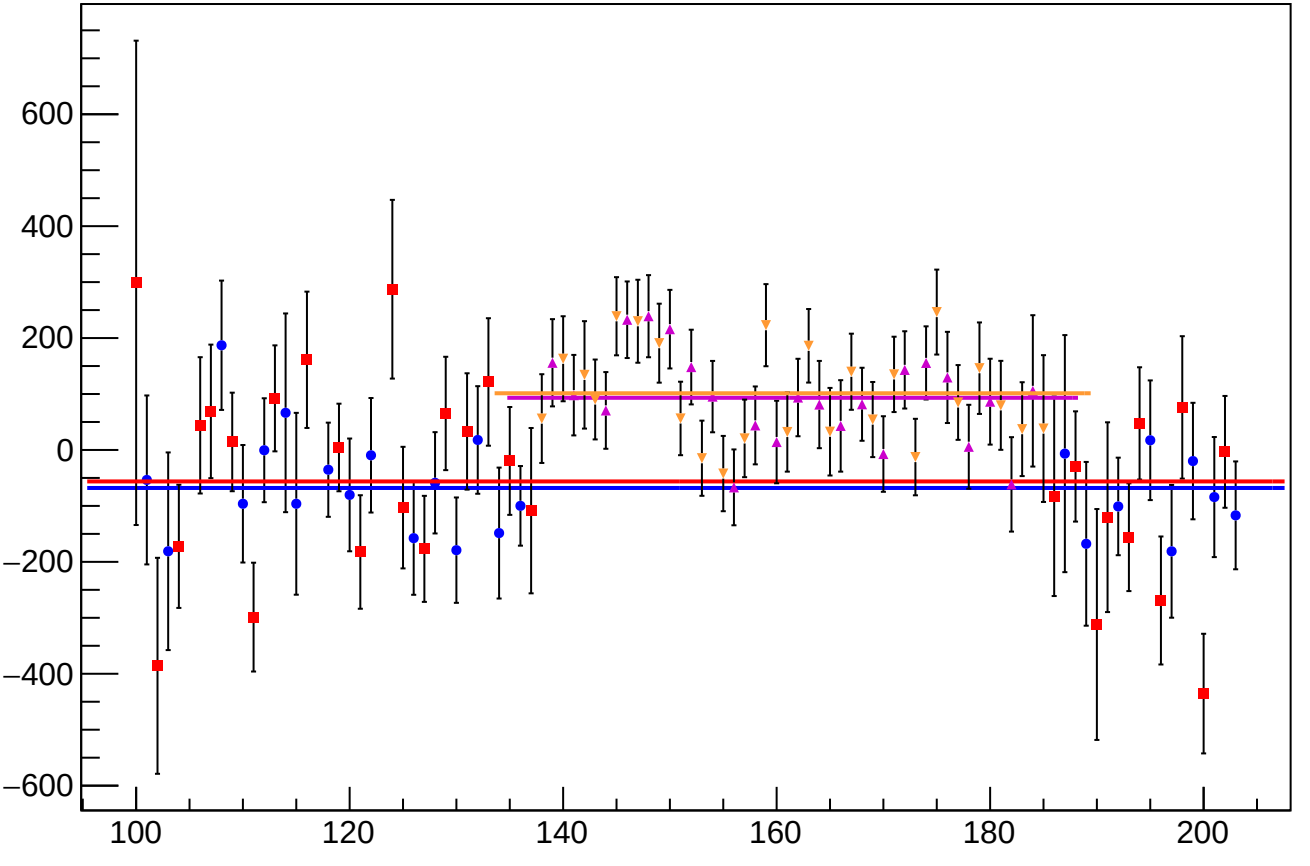
Right: 357.650+/-0.058 χ^2/NDF: 17561024.5/52

In: 326.599+/-0.045 χ^2/NDF:8941811.5/46

Out: 318.562+/-0.043 χ^2/NDF:11507224.9/53

All: 322.410+/-0.031 χ^2/NDF: 20466011.4/10

cor_asym_sam7_mean vs Slug, Sign Corrected



Right In: -67.944+/-21.724 χ^2/NDF: 13.4/23

Left Out: 101.325+/-14.642 χ^2/NDF:33.9/24

Right Out: -56.239+/-20.817 χ^2/NDF: 53.7/28

Left In: 93.235+/-15.137 χ^2/NDF:28.8/22

Left: 97.414+/-10.524 χ^2/NDF: 62.9/47

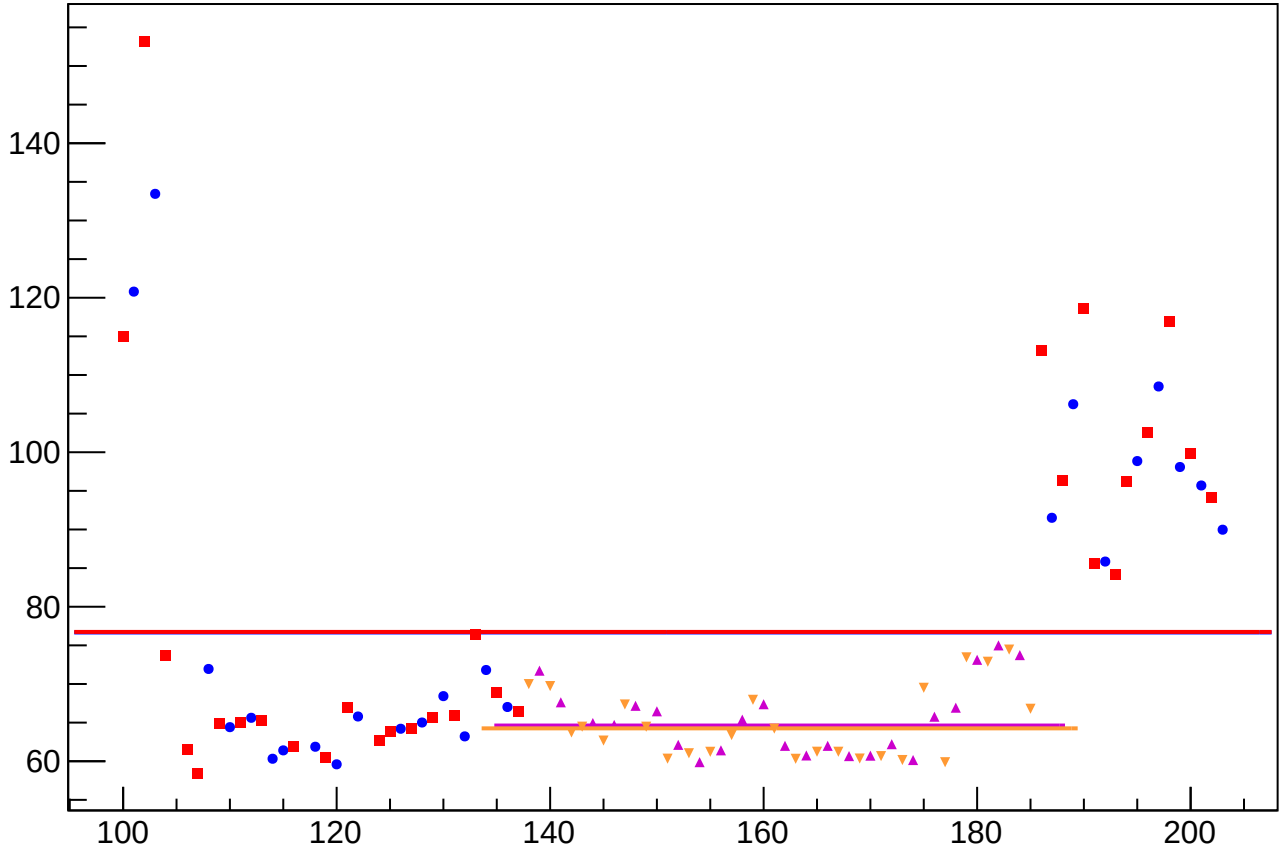
Right: -61.842+/-15.030 χ^2/NDF: 67.3/52

In: 40.560+/-12.419 χ^2/NDF:79.3/46

Out: 49.176+/-11.976 χ^2/NDF:126.0/53

All: 45.024+/-8.621 χ^2/NDF: 205.5/100

cor_asym_sam7_rms vs Slug, Sign Corrected



Right In: 76.670+/-0.015 χ^2/NDF: 1300092.3/23

Left Out: 64.256+/-0.010 χ^2/NDF:177697.9/24

Right Out: 76.740+/-0.015 χ^2/NDF: 1578531.0/28

Left In: 64.621+/-0.011 χ^2/NDF:147201.3/22

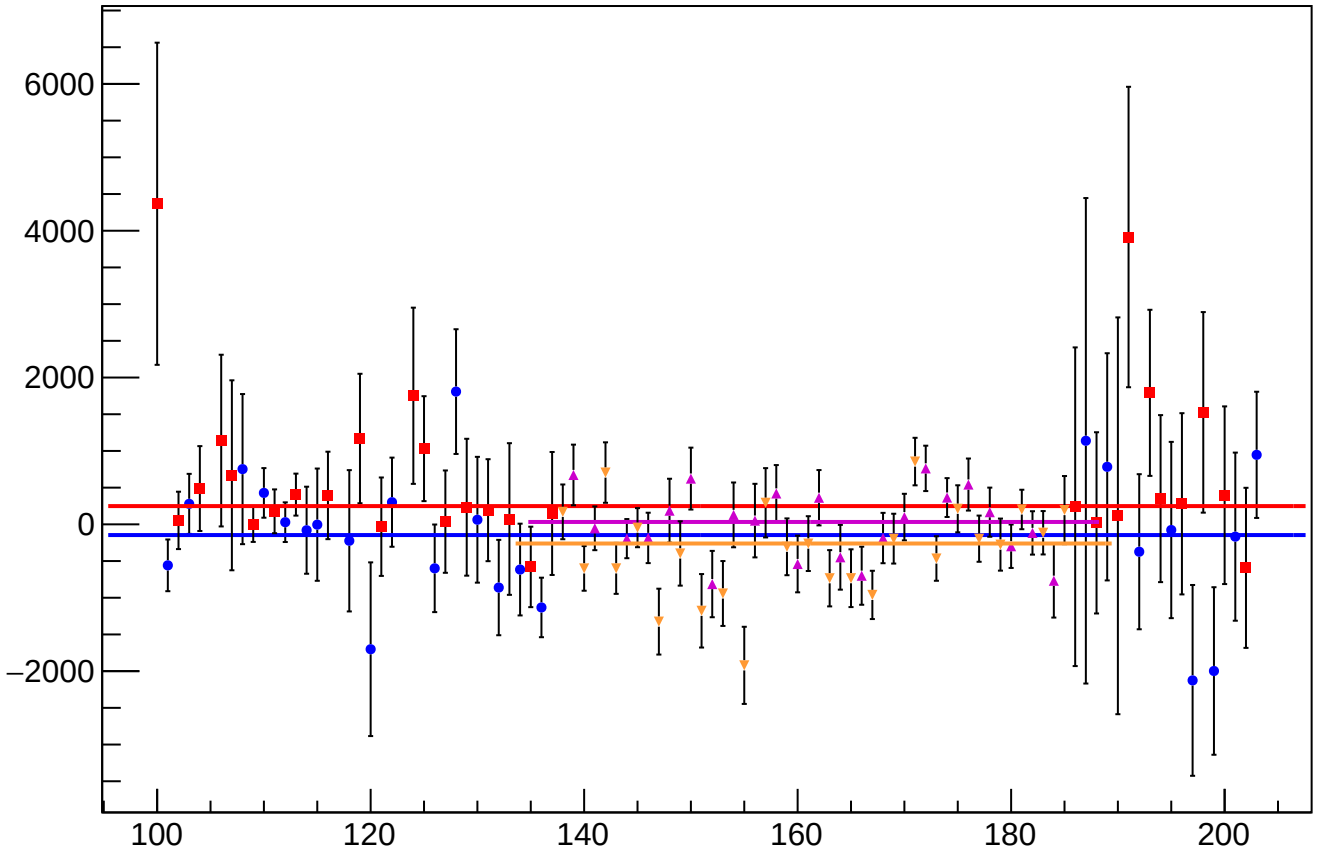
Left: 64.432+/-0.007 χ^2/NDF: 325501.9/47

Right: 76.707+/-0.011 χ^2/NDF: 2878634.3/52

In: 68.559+/-0.009 χ^2/NDF:1861434.0/46

Out: 68.388+/-0.008 χ^2/NDF:2237496.2/53

All: 68.470+/-0.006 χ^2/NDF: 4099127.2/100



Right In: -145.980+/-120.685 χ^2/NDF: 29.6/23

Left Out: -261.124+/-71.268 χ^2/NDF:58.8/24

Right Out: 248.673+/-113.706 χ^2/NDF: 19.2/28

Left In: 32.420+/-73.837 χ^2/NDF:31.7/22

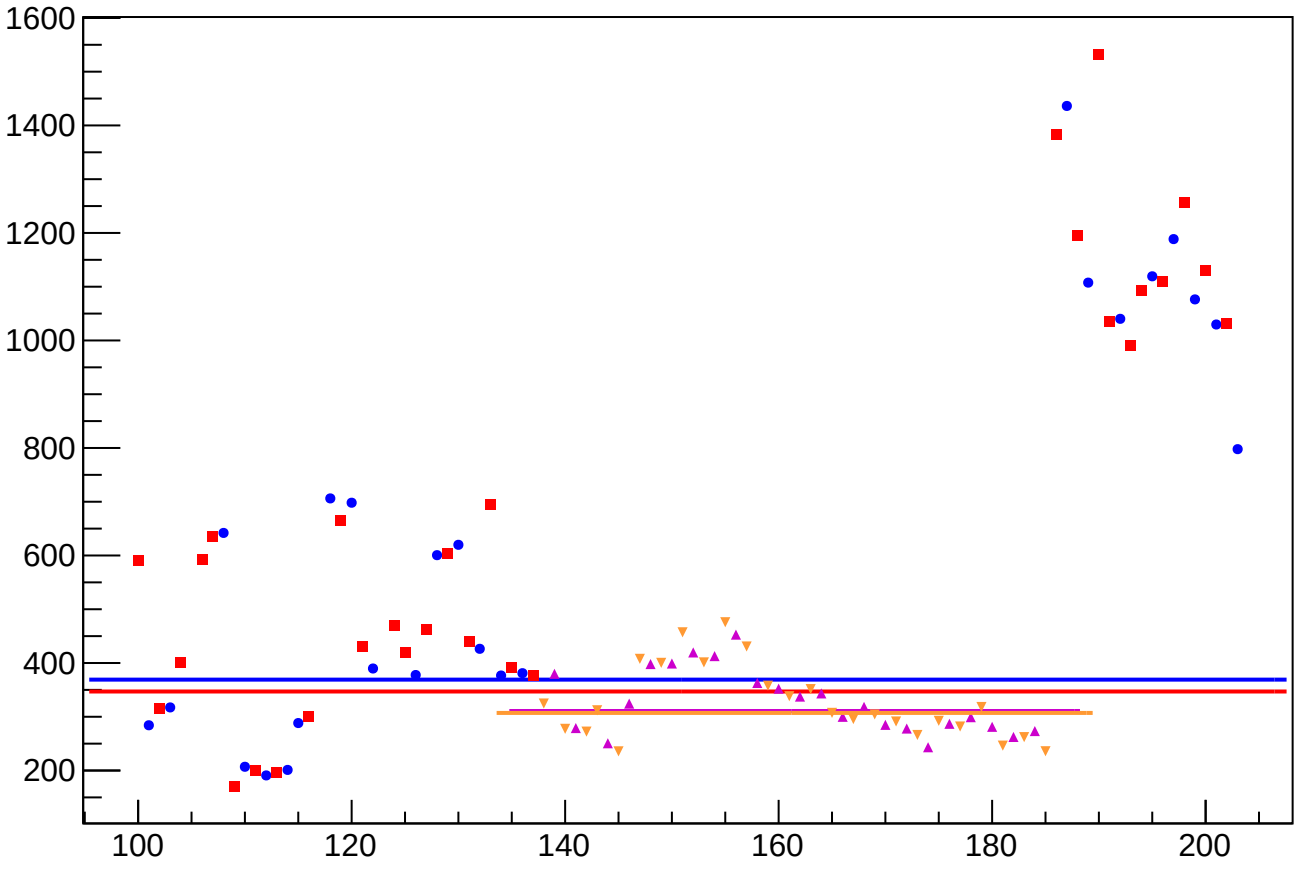
Left: -119.547+/-51.278 χ^2/NDF: 98.7/47

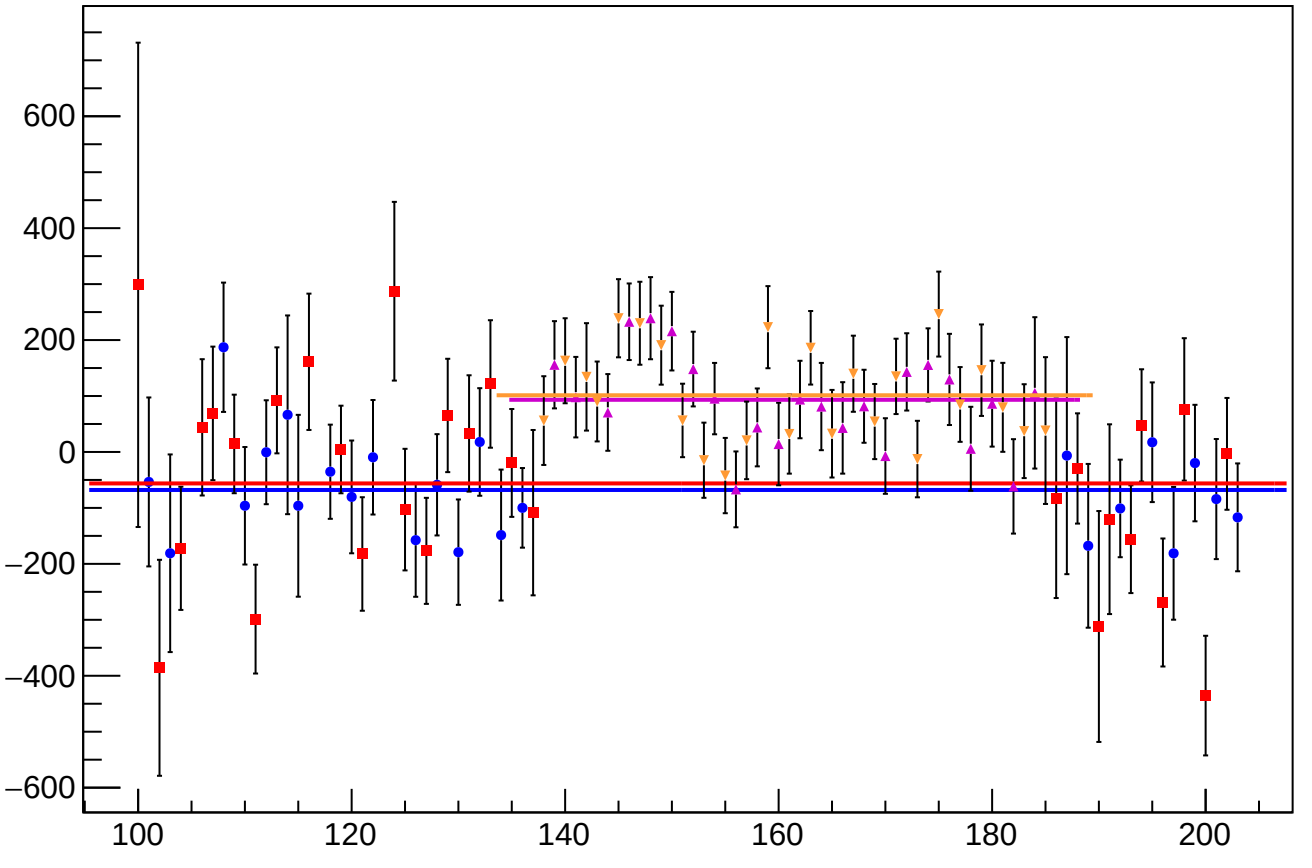
Right: 63.087+/-82.760 χ^2/NDF: 54.4/52

In: -16.170+/-62.984 χ^2/NDF:62.9/46

Out: -117.338+/-60.387 χ^2/NDF:92.4/53

All: -68.883+/-43.589 χ^2/NDF: 156.7/100


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: 369.084+/-0.085 χ²/NDF: 7521724.0/23
Left Out: 307.143+/-0.050 χ²/NDF:1320147.4/24
Right Out: 346.994+/-0.080 χ²/NDF: 9992087.2/28
Left In: 310.698+/-0.052 χ²/NDF:1079479.8/22
Left: 308.857+/-0.036 χ²/NDF: 2402026.6/47
Right: 357.382+/-0.059 χ²/NDF: 17549305.5/52
In: 326.600+/-0.045 χ²/NDF:8941807.9/46
Out: 318.383+/-0.043 χ²/NDF:11488609.6/53
All: 322.319+/-0.031 χ²/NDF: 20448153.9/10



Right In: -67.944+/-21.724 χ^2/NDF: 13.4/23

Left Out: 101.325+/-14.642 χ^2/NDF:33.9/24

Right Out: -56.239+/-20.817 χ^2/NDF: 53.7/28

Left In: 93.235+/-15.137 χ^2/NDF:28.8/22

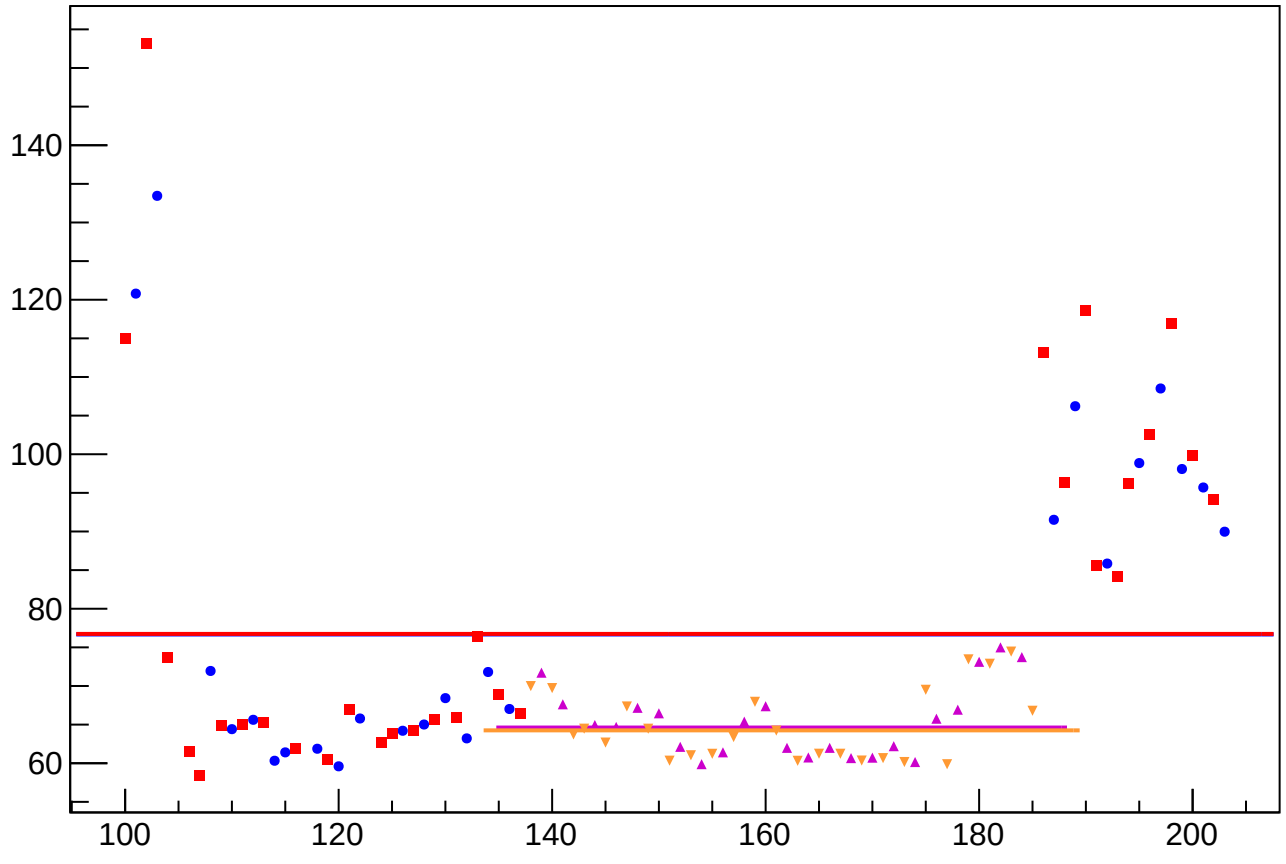
Left: 97.414+/-10.524 χ^2/NDF: 62.9/47

Right: -61.842+/-15.030 χ^2/NDF: 67.3/52

In: 40.560+/-12.419 χ^2/NDF:79.3/46

Out: 49.176+/-11.976 χ^2/NDF:126.0/53

All: 45.024+/-8.621 χ^2/NDF: 205.5/100



Right In: 76.670+/-0.015 χ^2/NDF: 1300092.3/23

Left Out: 64.256+/-0.010 χ^2/NDF:177697.9/24

Right Out: 76.740+/-0.015 χ^2/NDF: 1578531.0/28

Left In: 64.621+/-0.011 χ^2/NDF:147201.3/22

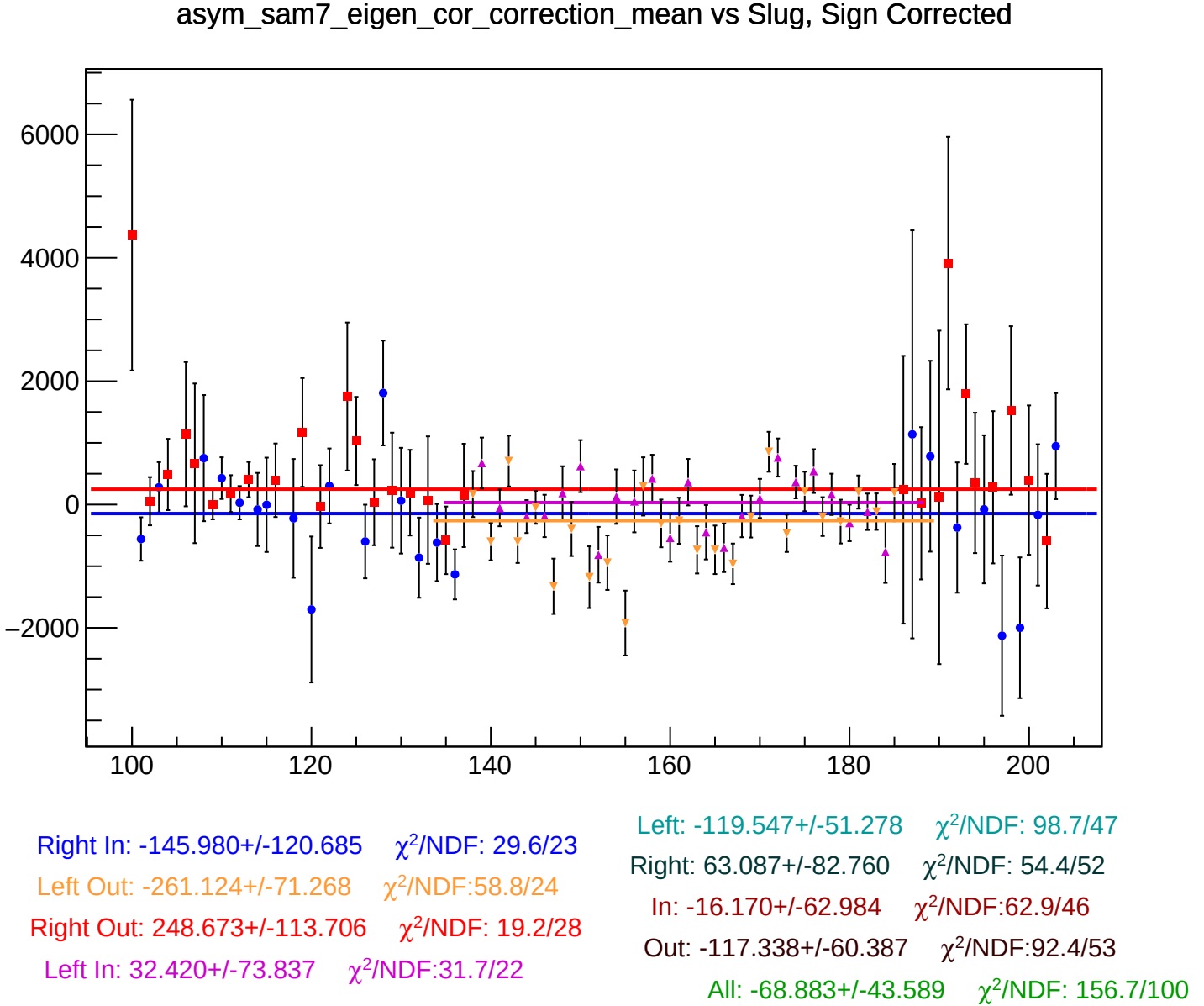
Left: 64.432+/-0.007 χ^2/NDF: 325501.9/47

Right: 76.707+/-0.011 χ^2/NDF: 2878634.3/52

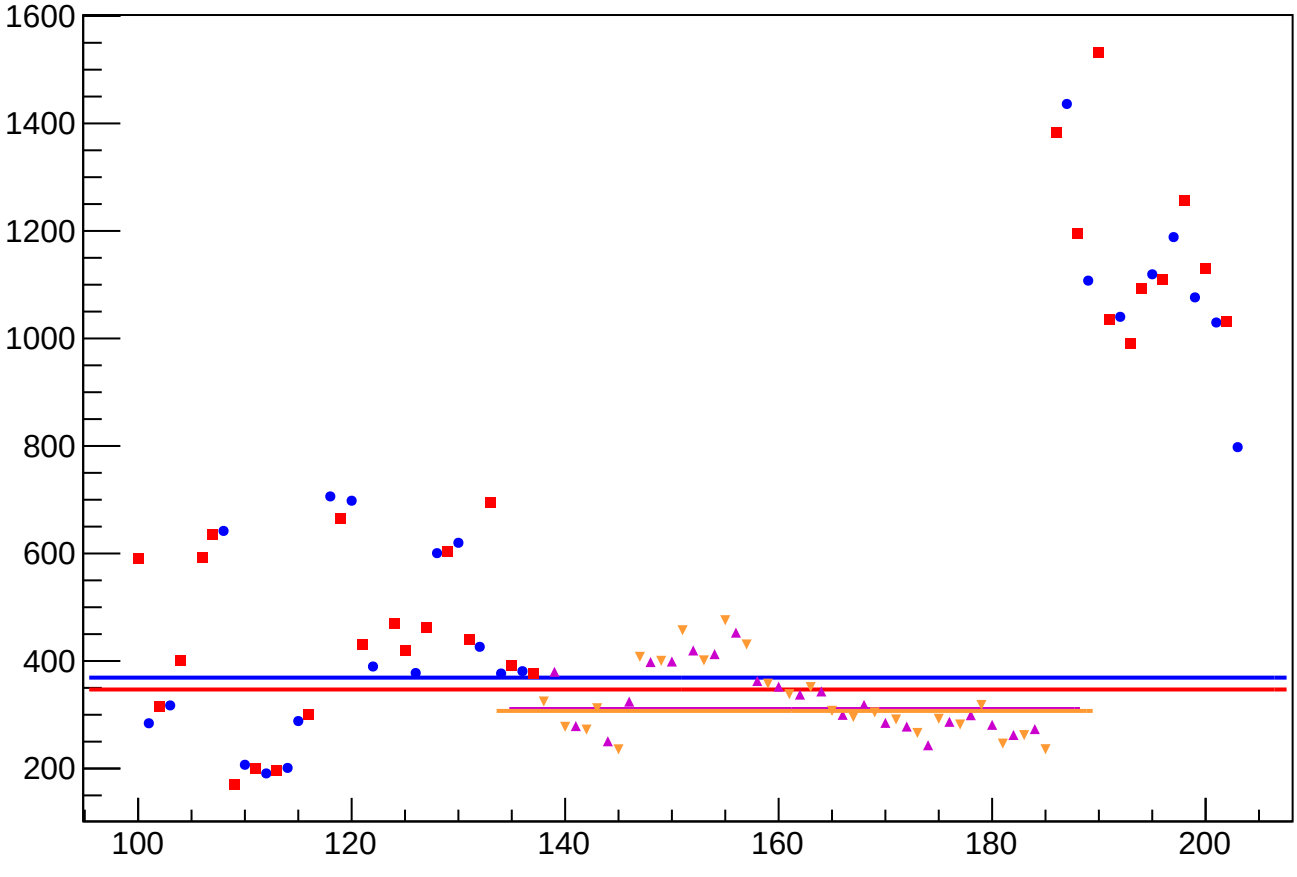
In: 68.559+/-0.009 χ^2/NDF:1861434.0/46

Out: 68.388+/-0.008 χ^2/NDF:2237496.2/53

All: 68.470+/-0.006 χ^2/NDF: 4099127.2/100


asym_sam7_eigen_cor_correction_mean vs Slug, Sign Corrected
6000
4000
2000
0
−2000
100
120
140
160
180
200
Right In: -145.980+/-120.685 χ²/NDF: 29.6/23
Left Out: -261.124+/-71.268 χ²/NDF:58.8/24
Right Out: 248.673+/-113.706 χ²/NDF: 19.2/28
Left In: 32.420+/-73.837 χ²/NDF:31.7/22
Left: -119.547+/-51.278 χ²/NDF: 98.7/47
Right: 63.087+/-82.760 χ²/NDF: 54.4/52
In: -16.170+/-62.984 χ²/NDF:62.9/46
Out: -117.338+/-60.387 χ²/NDF:92.4/53
All: -68.883+/-43.589 χ²/NDF: 156.7/100

asym_sam7_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 369.084+/-0.085 χ^2/NDF: 7521724.0/23

Left Out: 307.143+/-0.050 χ^2/NDF:1320147.4/24

Right Out: 346.994+/-0.080 χ^2/NDF: 9992087.2/28

Left In: 310.698+/-0.052 χ^2/NDF:1079479.8/22

Left: 308.857+/-0.036 χ^2/NDF: 2402026.6/47

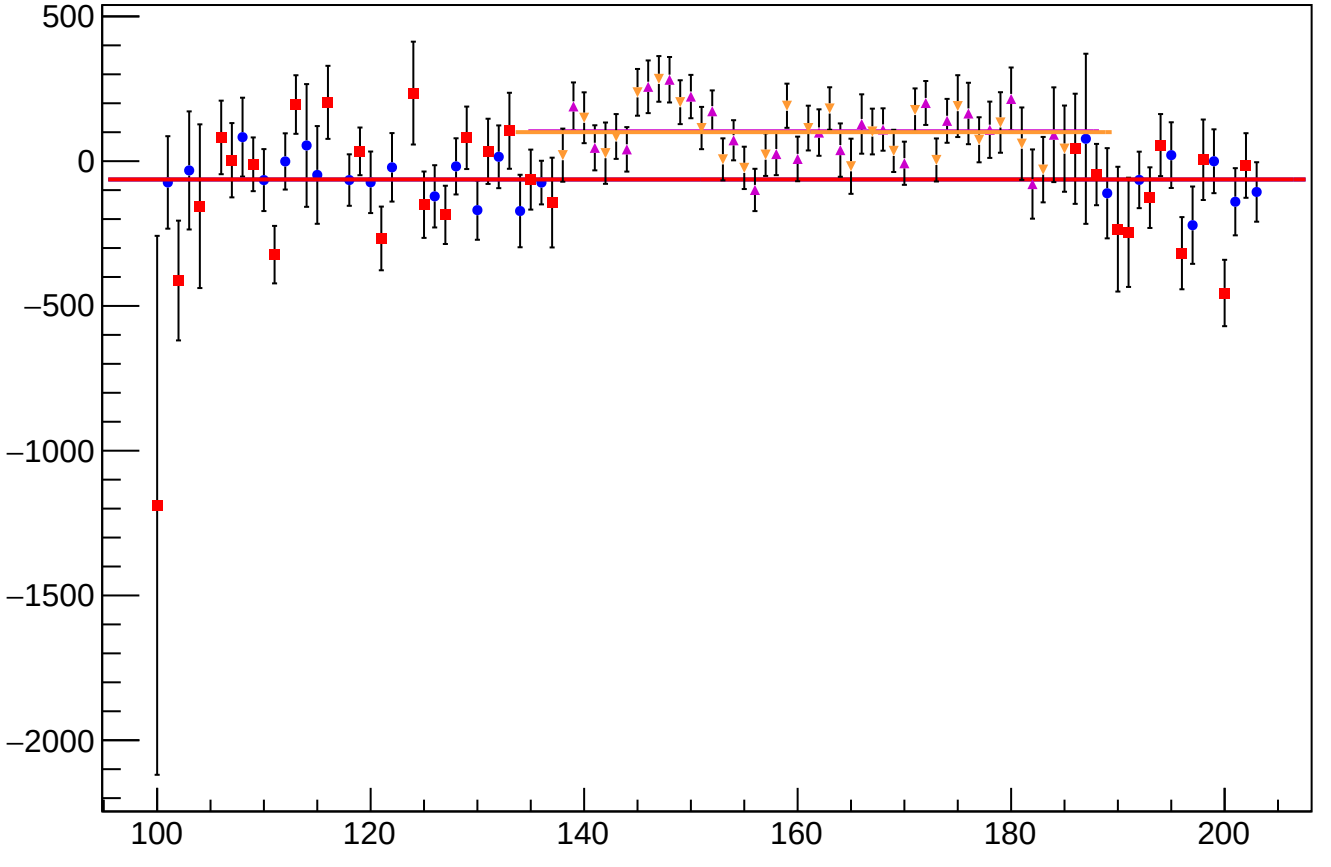
Right: 357.382+/-0.059 χ^2/NDF: 17549305.5/52

In: 326.600+/-0.045 χ^2/NDF:8941807.9/46

Out: 318.383+/-0.043 χ^2/NDF:11488609.6/53

All: 322.319+/-0.031 χ^2/NDF: 20448153.9/10

dit_asym_sam7_mean vs Slug, Sign Corrected



Right In: -63.345+/-23.501 χ^2/NDF: 8.1/23

Left Out: 100.277+/-16.625 χ^2/NDF:27.7/24

Right Out: -63.075+/-22.649 χ^2/NDF: 58.1/28

Left In: 103.363+/-17.260 χ^2/NDF:32.7/22

Left: 101.762+/-11.974 χ^2/NDF: 60.4/47

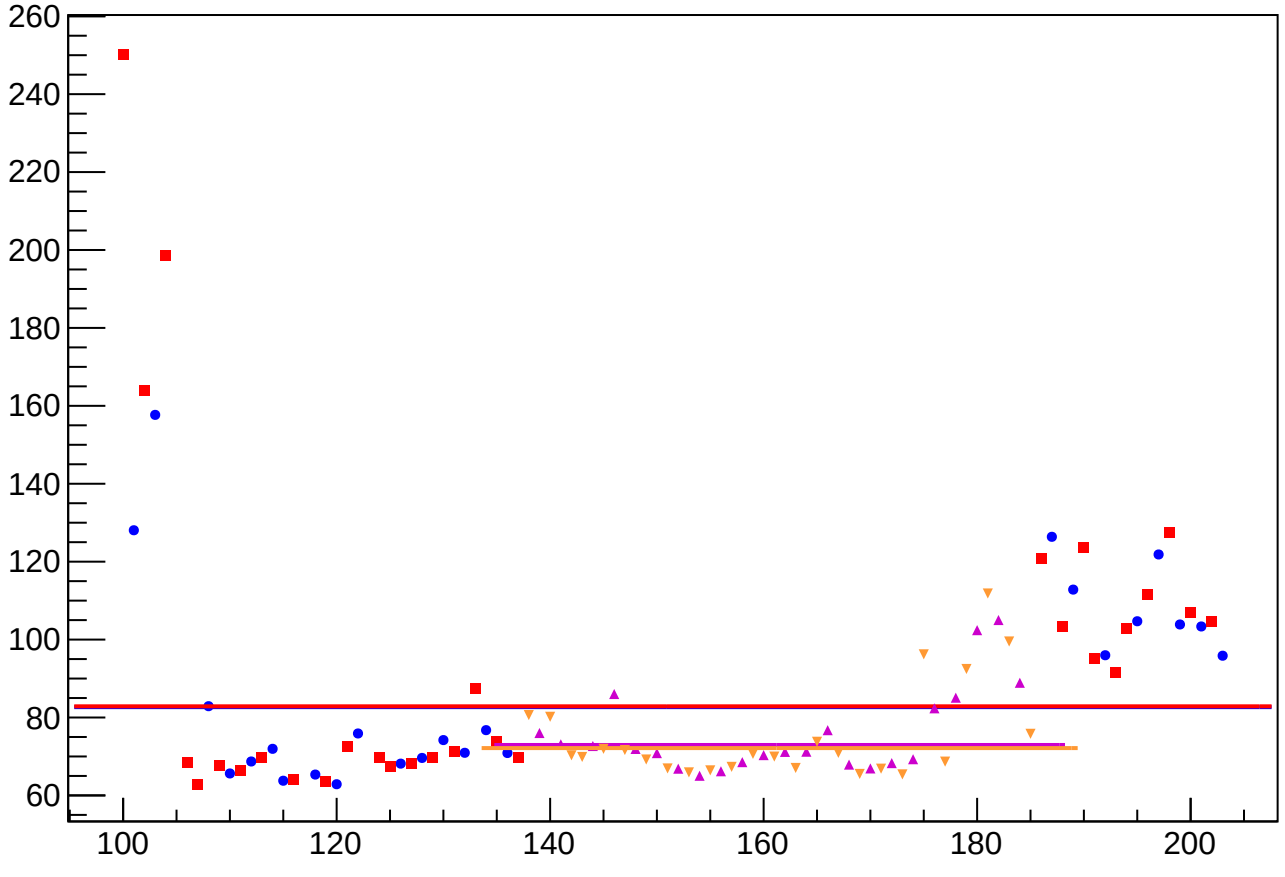
Right: -63.205+/-16.308 χ^2/NDF: 66.2/52

In: 44.947+/-13.911 χ^2/NDF:73.5/46

Out: 43.080+/-13.402 χ^2/NDF:119.6/53

All: 43.979+/-9.652 χ^2/NDF: 193.1/100

dit_asym_sam7_rms vs Slug, Sign Corrected



Right In: 82.664+/-0.017 χ^2/NDF: 1443829.1/23

Left Out: 72.150+/-0.012 χ^2/NDF:641970.1/24

Right Out: 82.871+/-0.016 χ^2/NDF: 2065063.5/28

Left In: 72.948+/-0.012 χ^2/NDF:509028.0/22

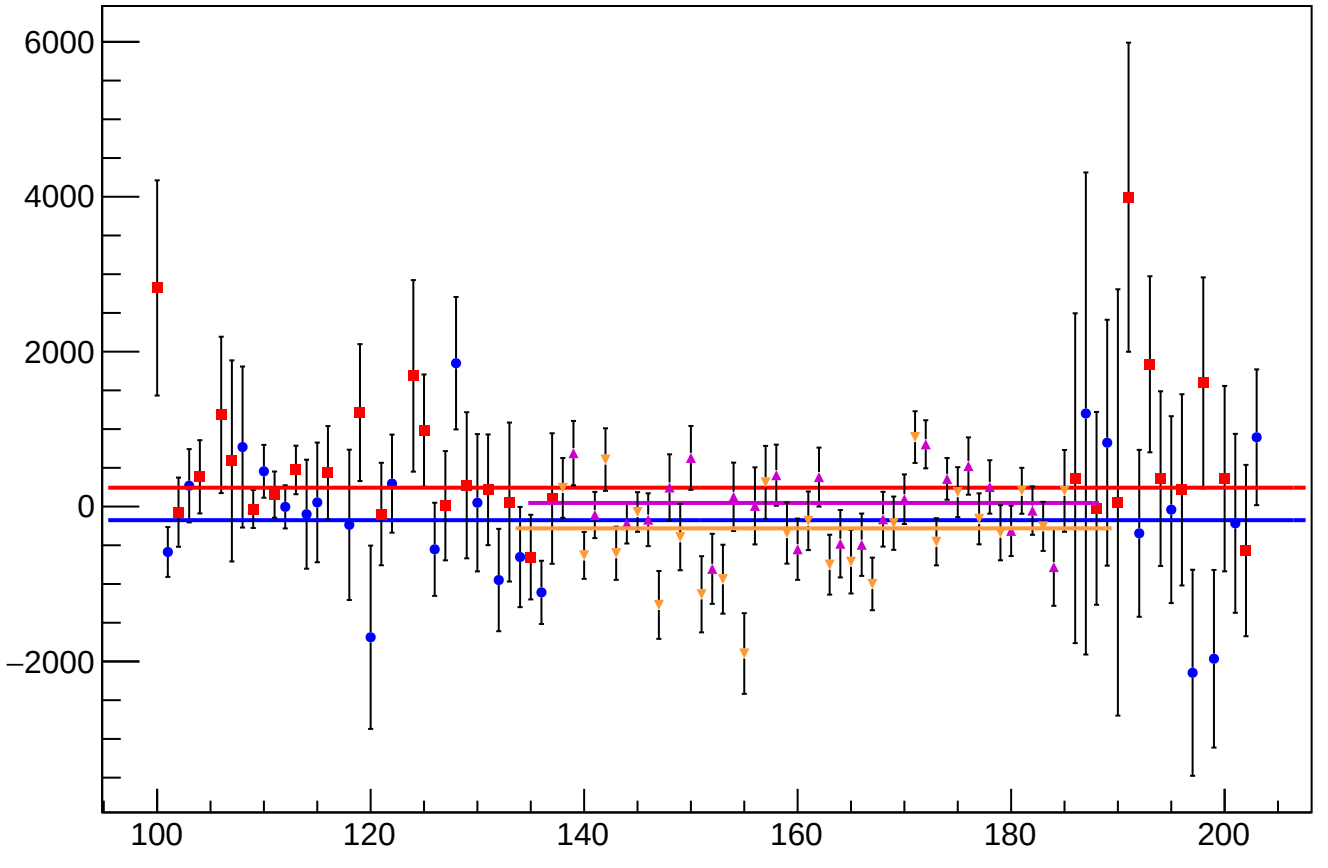
Left: 72.534+/-0.008 χ^2/NDF: 1153218.8/47

Right: 82.771+/-0.012 χ^2/NDF: 3508972.8/52

In: 76.353+/-0.010 χ^2/NDF:2174916.4/46

Out: 75.904+/-0.009 χ^2/NDF:2998257.5/53

All: 76.120+/-0.007 χ^2/NDF: 5174255.2/100



Right In: -175.815+/-123.050 χ^2/NDF: 29.4/23

Left Out: -281.205+/-72.538 χ^2/NDF:56.8/24

Right Out: 243.473+/-115.606 χ^2/NDF: 20.8/28

Left In: 46.569+/-74.897 χ^2/NDF:30.7/22

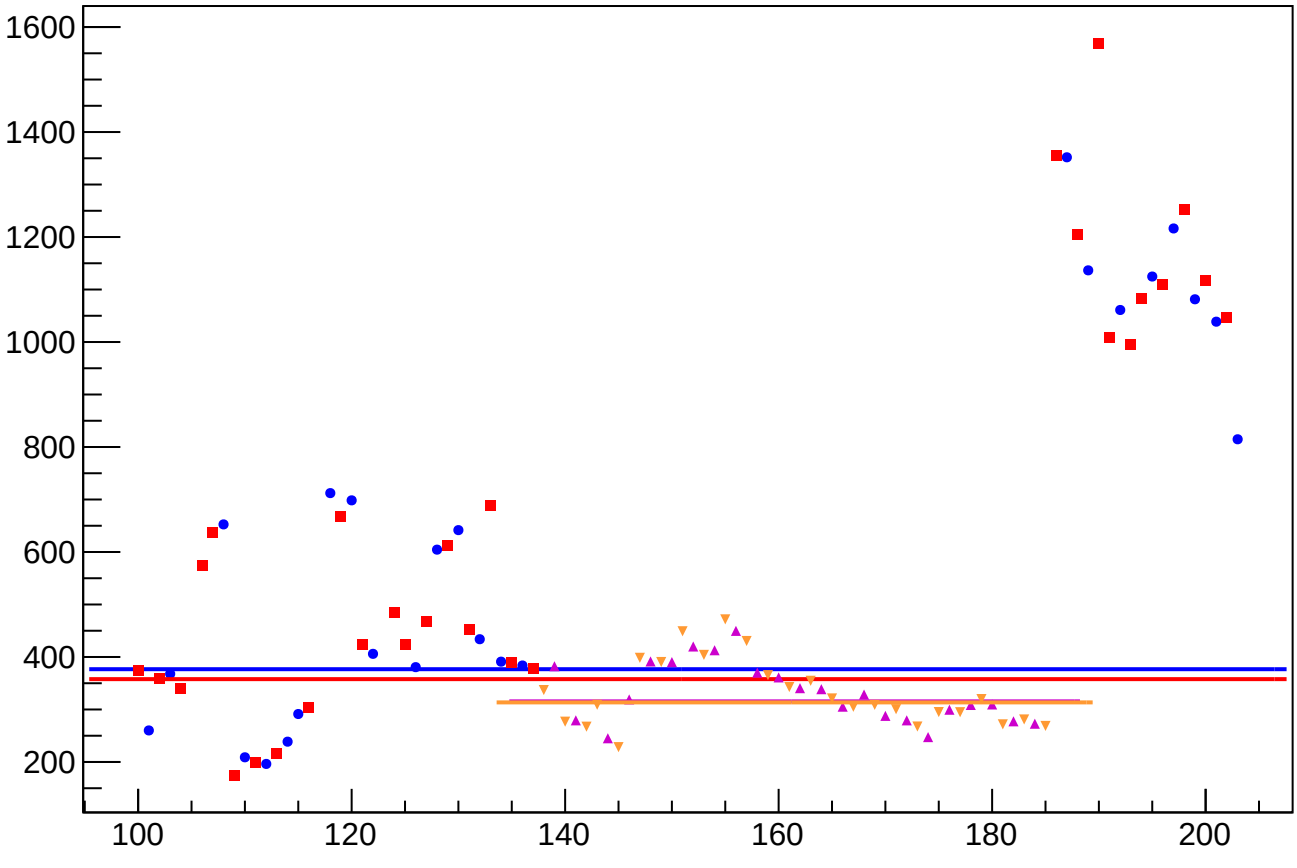
Left: -122.562+/-52.106 χ^2/NDF: 97.4/47

Right: 46.894+/-84.255 χ^2/NDF: 56.3/52

In: -13.548+/-63.978 χ^2/NDF:62.5/46

Out: -132.991+/-61.444 χ^2/NDF:92.4/53

All: -75.681+/-44.316 χ^2/NDF: 156.7/100



Right In: 376.746+/-0.087 χ^2/NDF: 7496880.1/23

Left Out: 313.500+/-0.051 χ^2/NDF:1175529.4/24

Right Out: 357.808+/-0.082 χ^2/NDF: 9661680.6/28

Left In: 315.455+/-0.053 χ^2/NDF:1008523.1/22

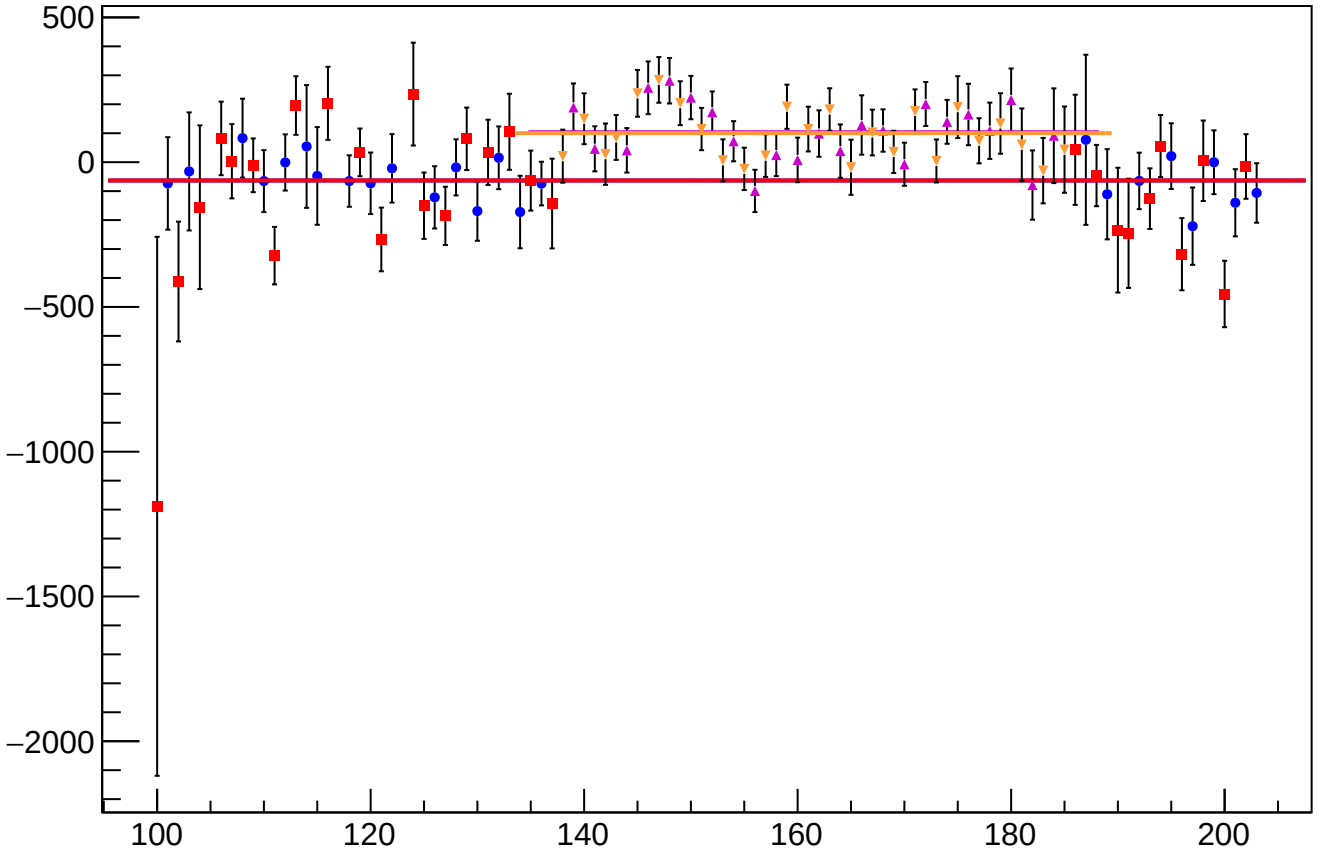
Left: 314.446+/-0.037 χ^2/NDF: 2184755.7/47

Right: 366.687+/-0.060 χ^2/NDF: 17183723.7/52

In: 332.024+/-0.045 χ^2/NDF:8867463.8/46

Out: 326.016+/-0.043 χ^2/NDF:11048003.5/53

All: 328.899+/-0.031 χ^2/NDF: 19924640.5/10



Right In: -63.344+/-23.501 χ^2/NDF: 8.1/23

Left Out: 100.276+/-16.625 χ^2/NDF:27.7/24

Right Out: -63.076+/-22.649 χ^2/NDF: 58.1/28

Left In: 103.363+/-17.260 χ^2/NDF:32.7/22

Left: 101.762+/-11.974 χ^2/NDF: 60.4/47

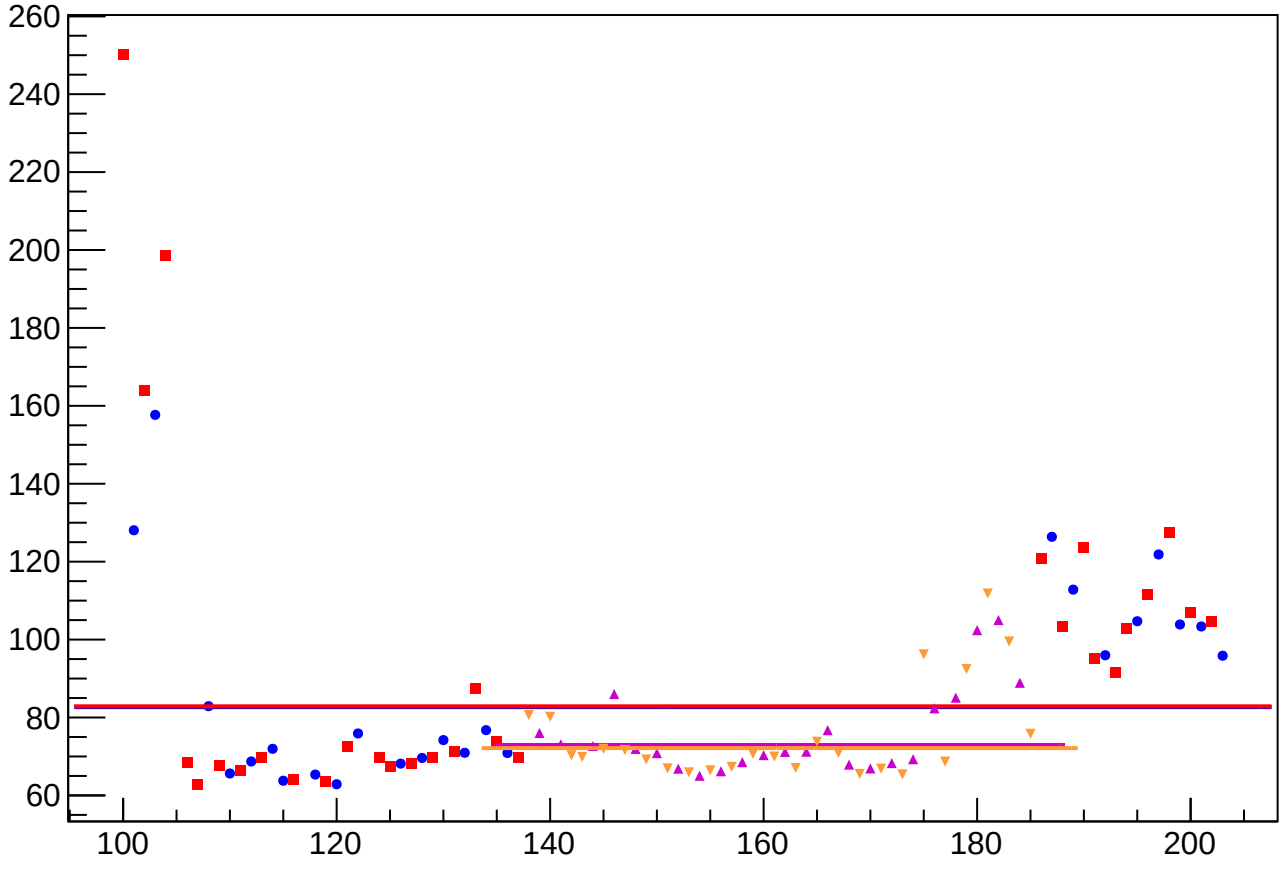
Right: -63.205+/-16.308 χ^2/NDF: 66.2/52

In: 44.947+/-13.911 χ^2/NDF:73.5/46

Out: 43.080+/-13.402 χ^2/NDF:119.6/53

All: 43.979+/-9.652 χ^2/NDF: 193.1/100

eigen_dit_asym_sam7_rms vs Slug, Sign Corrected



Right In: 82.664+/-0.017 χ^2/NDF: 1443837.2/23

Left Out: 72.150+/-0.012 χ^2/NDF:641967.4/24

Right Out: 82.871+/-0.016 χ^2/NDF: 2065065.1/28

Left In: 72.948+/-0.012 χ^2/NDF:509028.7/22

Left: 72.534+/-0.008 χ^2/NDF: 1153216.9/47

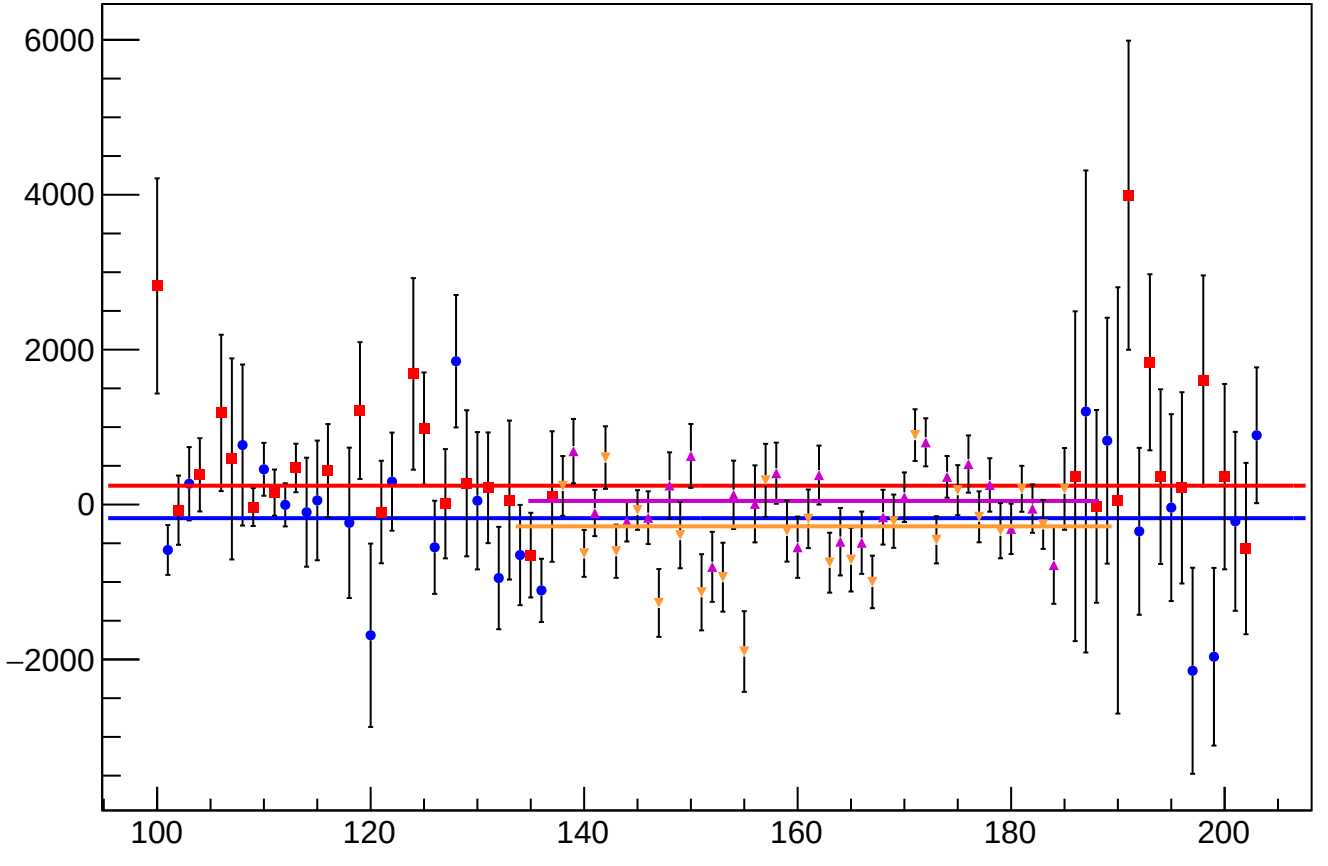
Right: 82.771+/-0.012 χ^2/NDF: 3508982.5/52

In: 76.353+/-0.010 χ^2/NDF:2174918.8/46

Out: 75.904+/-0.009 χ^2/NDF:2998249.9/53

All: 76.120+/-0.007 χ^2/NDF: 5174250.1/100

asym_sam7_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -175.813+/-123.049 χ^2/NDF: 29.4/23

Left Out: -281.205+/-72.538 χ^2/NDF:56.8/24

Right Out: 243.472+/-115.606 χ^2/NDF: 20.8/28

Left In: 46.569+/-74.897 χ^2/NDF:30.7/22

Left: -122.562+/-52.106 χ^2/NDF: 97.4/47

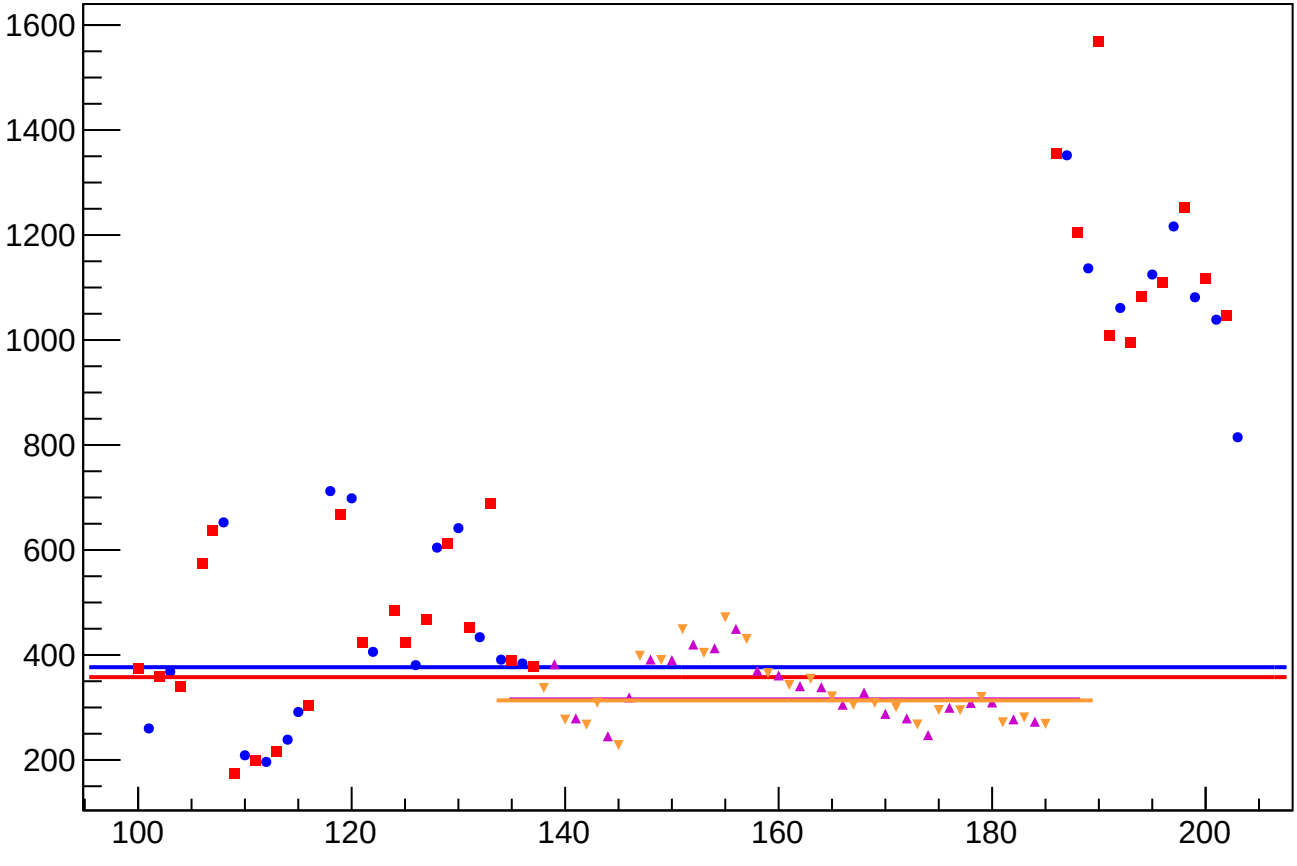
Right: 46.894+/-84.254 χ^2/NDF: 56.3/52

In: -13.548+/-63.978 χ^2/NDF:62.5/46

Out: -132.990+/-61.444 χ^2/NDF:92.4/53

All: -75.681+/-44.316 χ^2/NDF: 156.7/100

asym_sam7_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 376.743+/-0.087 χ^2/NDF: 7496949.4/23

Left Out: 313.500+/-0.051 χ^2/NDF:1175534.8/24

Right Out: 357.806+/-0.082 χ^2/NDF: 9661717.1/28

Left In: 315.456+/-0.053 χ^2/NDF:1008521.8/22

Left: 314.447+/-0.037 χ^2/NDF: 2184760.0/47

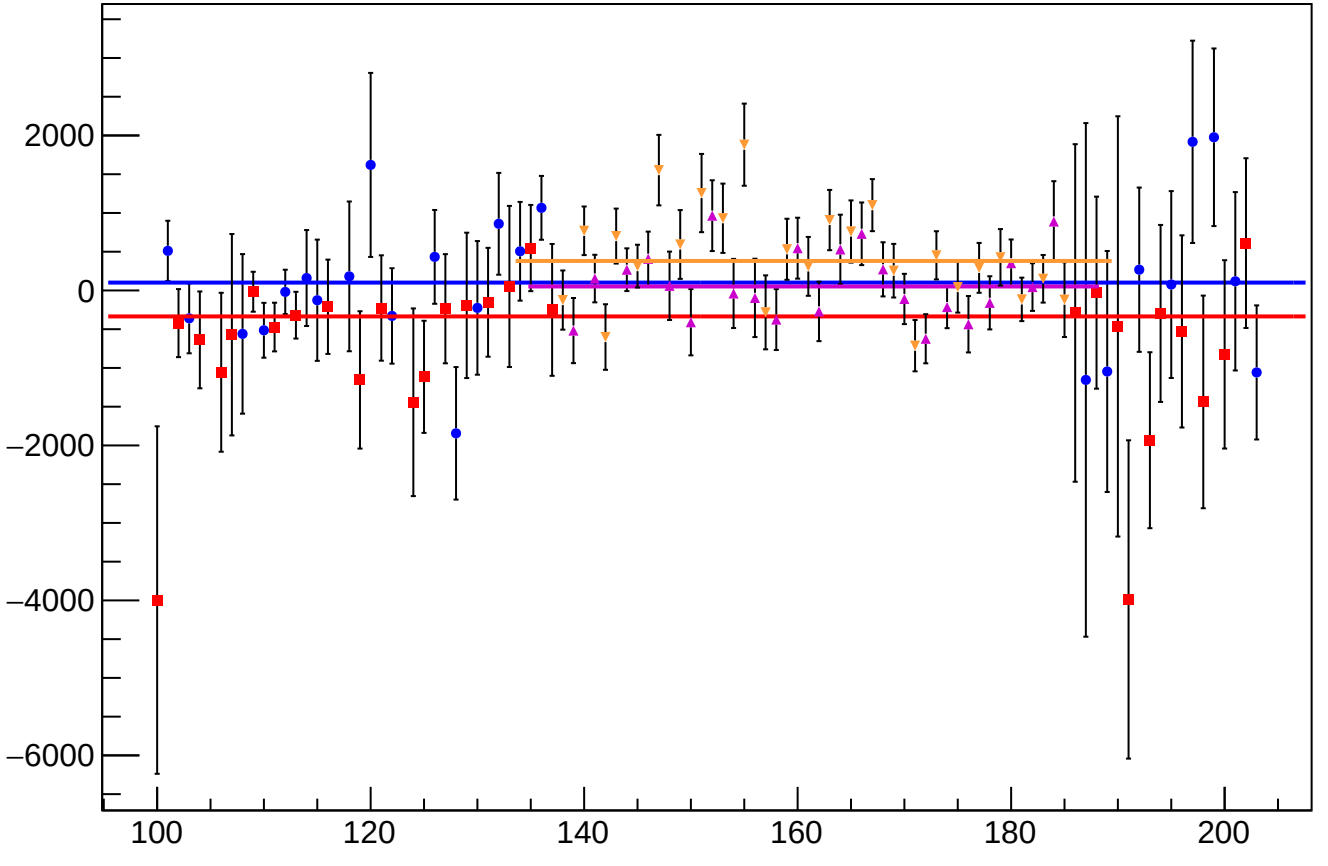
Right: 366.684+/-0.060 χ^2/NDF: 17183826.9/52

In: 332.023+/-0.045 χ^2/NDF:8867497.3/46

Out: 326.016+/-0.043 χ^2/NDF:11048028.4/53

All: 328.898+/-0.031 χ^2/NDF: 19924698.9/10

asym_sam7_mean vs Slug, Sign Corrected



Right In: 101.507+/-126.012 χ^2/NDF: 27.9/23

Left Out: 380.624+/-73.057 χ^2/NDF:55.4/24

Right Out: -335.108+/-119.019 χ^2/NDF: 17.7/28

Left In: 51.474+/-75.629 χ^2/NDF:28.2/22

Left: 221.742+/-52.545 χ^2/NDF: 93.4/47

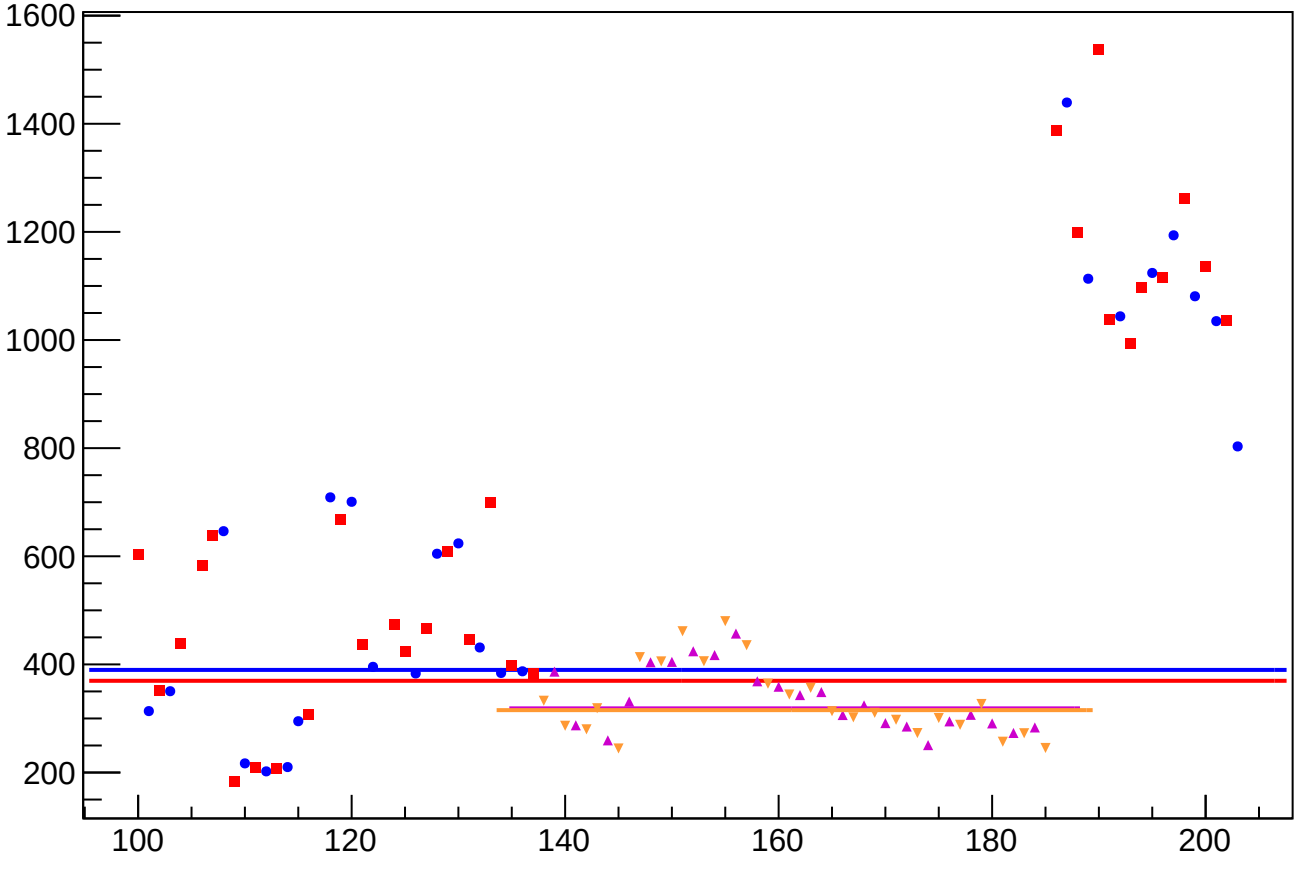
Right: -129.251+/-86.526 χ^2/NDF: 52.0/52

In: 64.724+/-64.847 χ^2/NDF:56.3/46

Out: 184.752+/-62.263 χ^2/NDF:99.4/53

All: 127.177+/-44.912 χ^2/NDF: 157.4/100

asym_sam7_rms vs Slug, Sign Corrected



Right In: 389.808+/-0.089 χ^2/NDF: 7096677.8/23

Left Out: 315.396+/-0.052 χ^2/NDF:1210106.0/24

Right Out: 369.661+/-0.084 χ^2/NDF: 9490410.4/28

Left In: 318.688+/-0.053 χ^2/NDF:991604.7/22

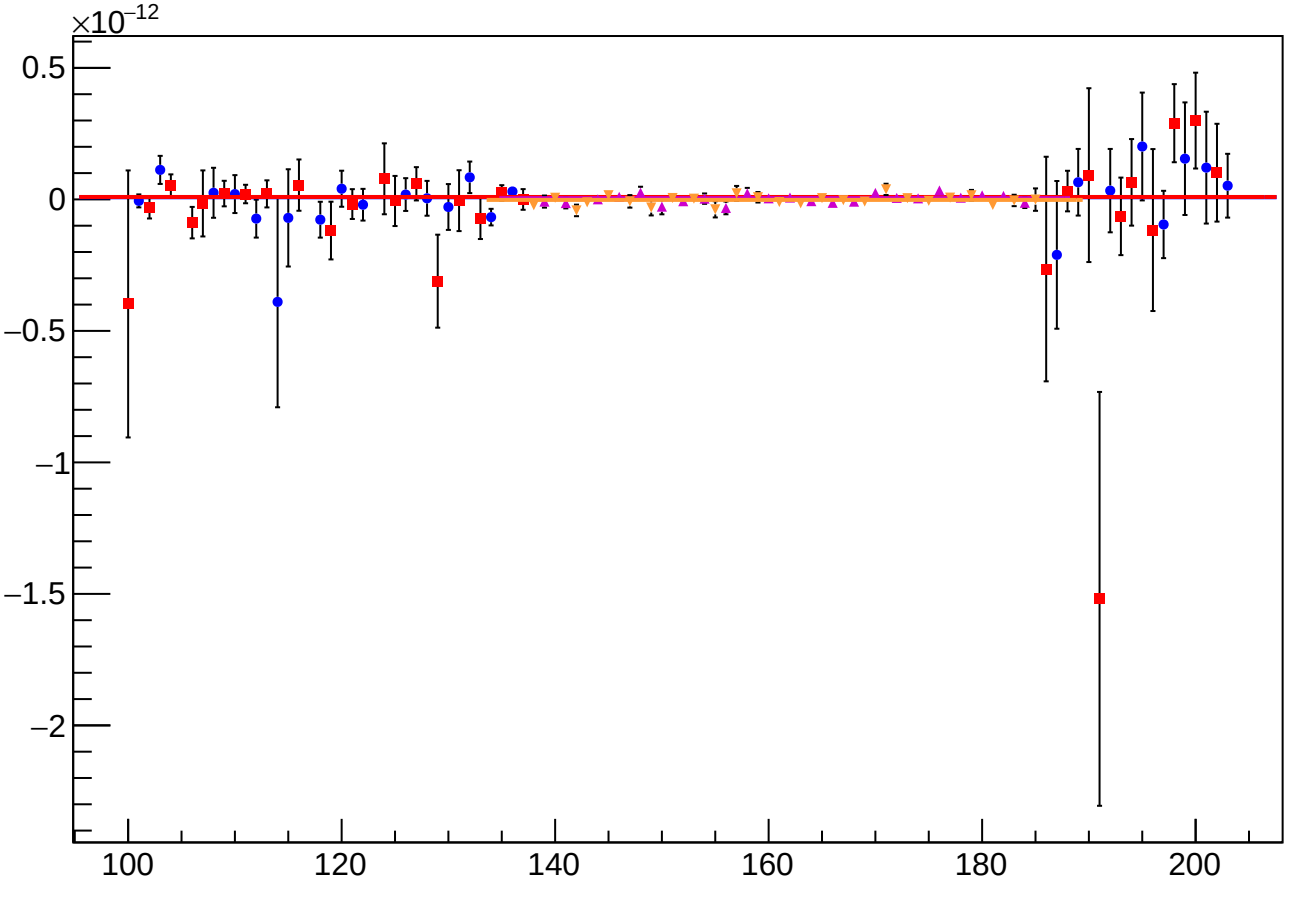
Left: 316.985+/-0.037 χ^2/NDF: 2203671.8/47

Right: 379.160+/-0.061 χ^2/NDF: 16614108.1/52

In: 337.522+/-0.046 χ^2/NDF:8556641.7/46

Out: 330.246+/-0.044 χ^2/NDF:11002497.5/53

All: 333.736+/-0.032 χ^2/NDF: 19572240.2/10



Right In: 0.000+/-0.000 χ^2/NDF: 21.0/23

Left Out: -0.000+/-0.000 χ^2/NDF:19.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 24.1/28

Left In: 0.000+/-0.000 χ^2/NDF:17.7/22

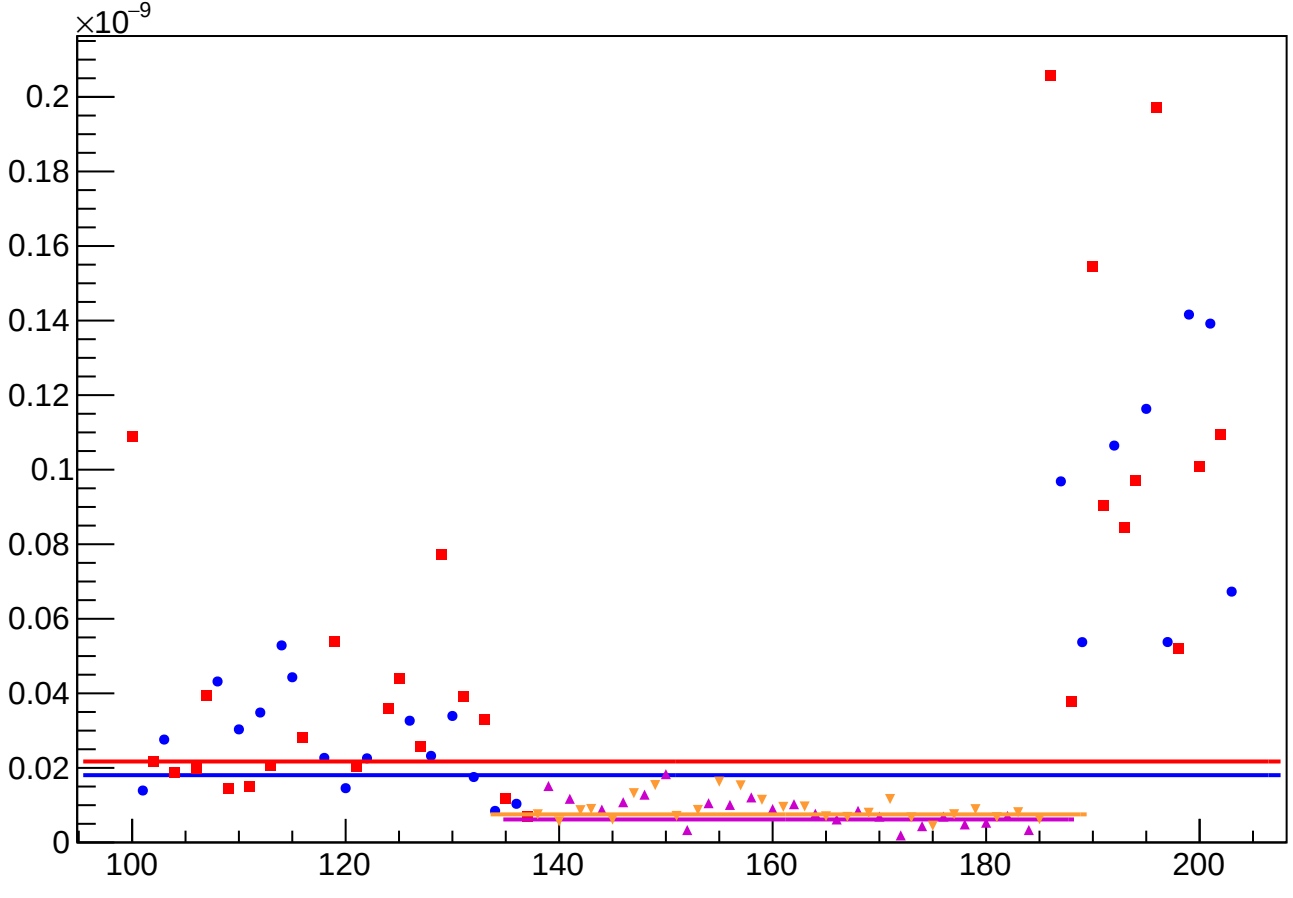
Left: 0.000+/-0.000 χ^2/NDF: 38.8/47

Right: 0.000+/-0.000 χ^2/NDF: 45.1/52

In: 0.000+/-0.000 χ^2/NDF:38.7/46

Out: -0.000+/-0.000 χ^2/NDF:43.8/53

All: 0.000+/-0.000 χ^2/NDF: 84.6/100



Right In: 0.000+/-0.000 χ^2/NDF: 4458894.6/23

Left Out: 0.000+/-0.000 χ^2/NDF:1208953.3/24

Right Out: 0.000+/-0.000 χ^2/NDF: 4479143.2/28

Left In: 0.000+/-0.000 χ^2/NDF:2784673.9/22

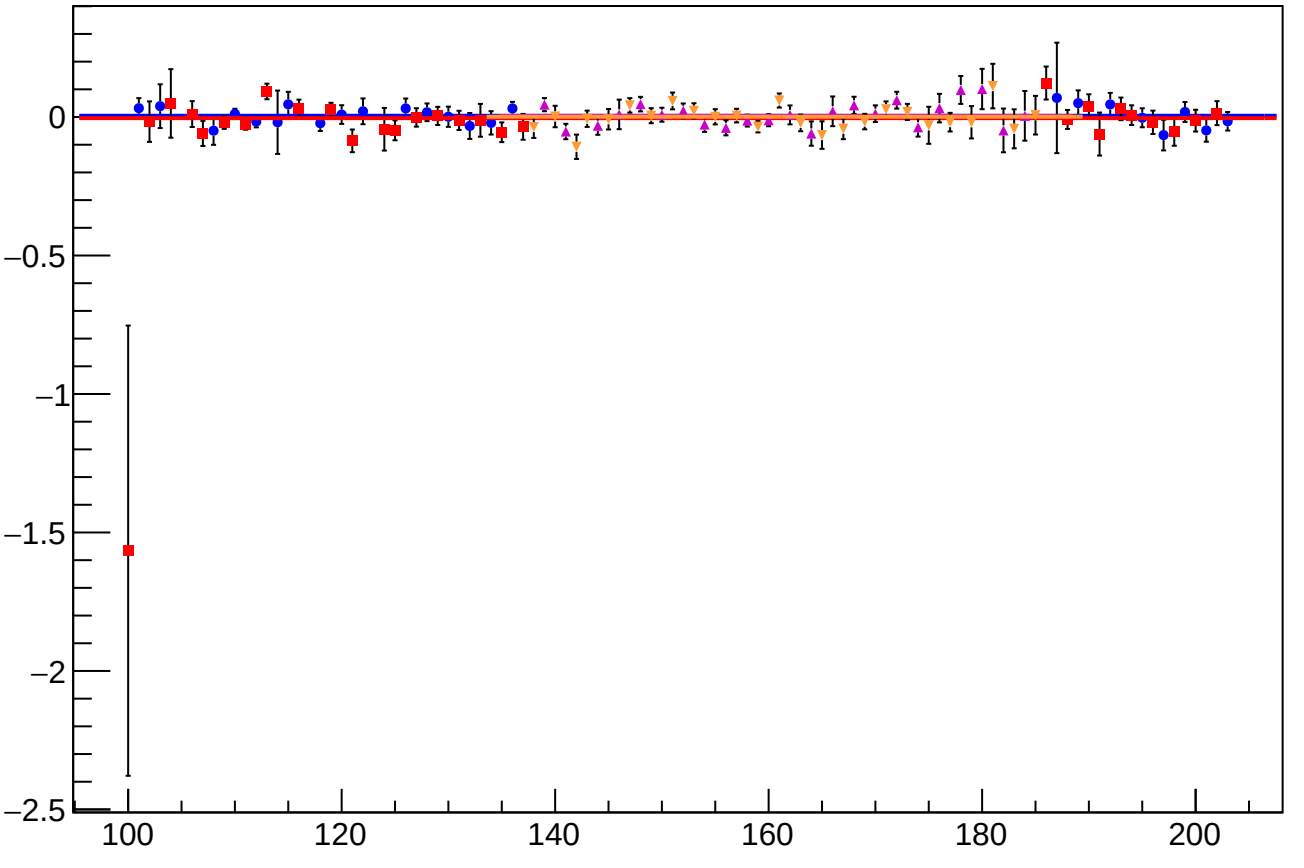
Left: 0.000+/-0.000 χ^2/NDF: 4183311.6/47

Right: 0.000+/-0.000 χ^2/NDF: 9037631.8/52

In: 0.000+/-0.000 χ^2/NDF:9506632.7/46

Out: 0.000+/-0.000 χ^2/NDF:8121835.0/53

All: 0.000+/-0.000 χ^2/NDF: 17840153.4/100



Right In: 0.004+/-0.007 χ^2/NDF: 13.7/23

Left Out: 0.001+/-0.006 χ^2/NDF:30.3/24

Right Out: -0.004+/-0.007 χ^2/NDF: 38.1/28

Left In: 0.004+/-0.007 χ^2/NDF:31.1/22

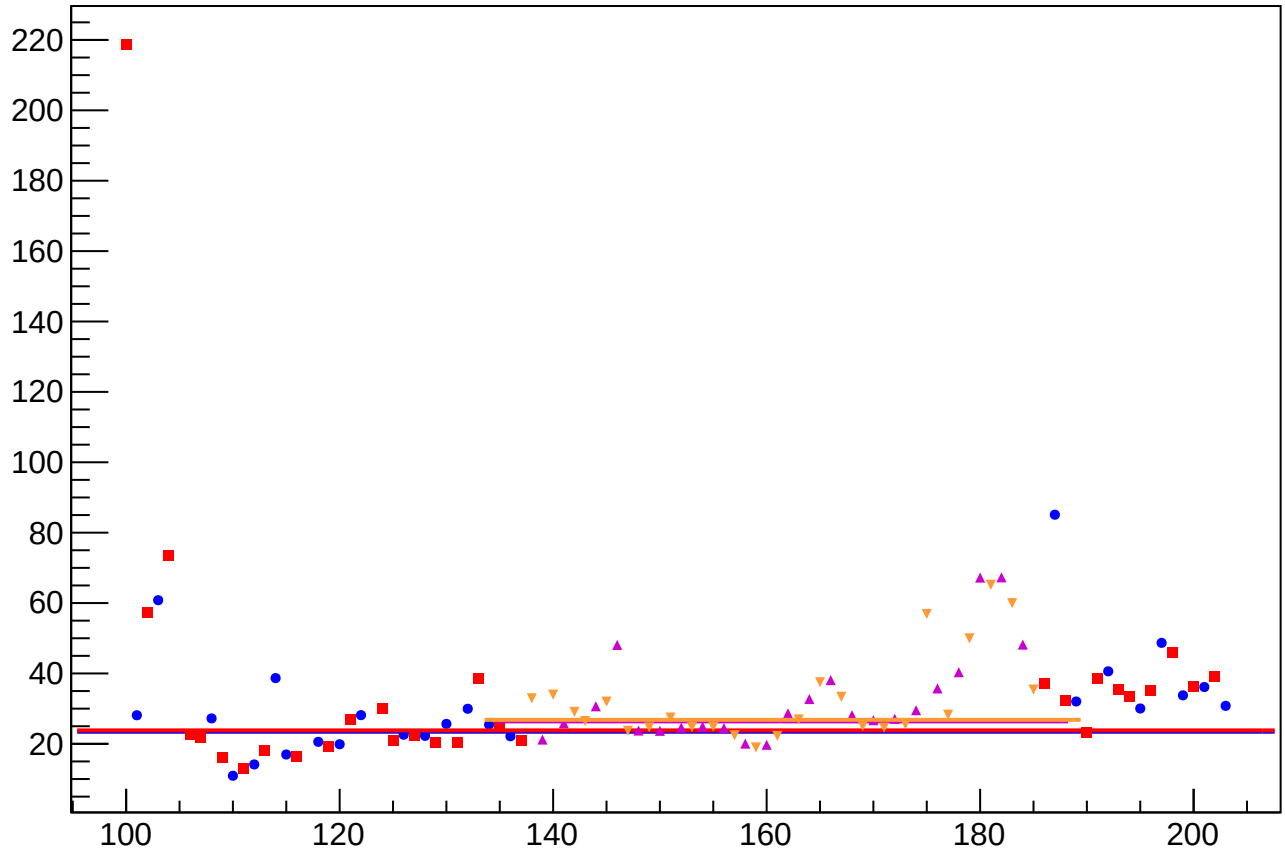
Left: 0.003+/-0.005 χ^2/NDF: 61.5/47

Right: 0.000+/-0.005 χ^2/NDF: 52.5/52

In: 0.004+/-0.005 χ^2/NDF:44.9/46

Out: -0.001+/-0.005 χ^2/NDF:68.7/53

All: 0.001+/-0.003 χ^2/NDF: 114.2/100



Right In: 23.441+/-0.005 χ^2/NDF: 3542840.9/23

Left Out: 26.820+/-0.005 χ^2/NDF:2469807.6/24

Right Out: 23.823+/-0.005 χ^2/NDF: 3750396.2/28

Left In: 26.376+/-0.005 χ^2/NDF:2566400.7/22

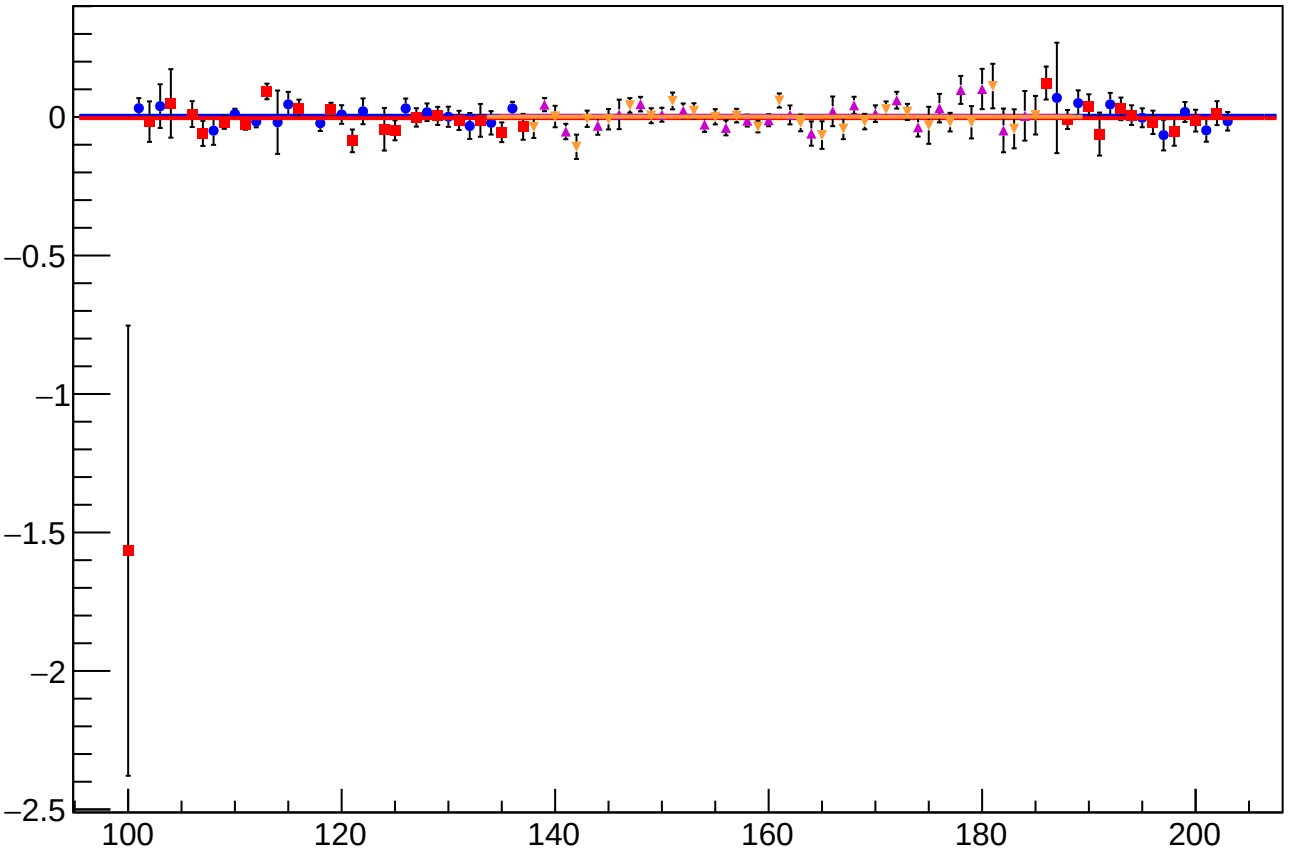
Left: 26.602+/-0.003 χ^2/NDF: 5040807.2/47

Right: 23.637+/-0.004 χ^2/NDF: 7296165.9/52

In: 25.027+/-0.003 χ^2/NDF:6290880.4/46

Out: 25.427+/-0.003 χ^2/NDF:6418284.2/53

All: 25.231+/-0.002 χ^2/NDF: 12716079.0/100



Right In: 0.004+/-0.007 χ^2/NDF: 13.7/23

Left Out: 0.001+/-0.006 χ^2/NDF:30.3/24

Right Out: -0.004+/-0.007 χ^2/NDF: 38.1/28

Left In: 0.004+/-0.007 χ^2/NDF:31.1/22

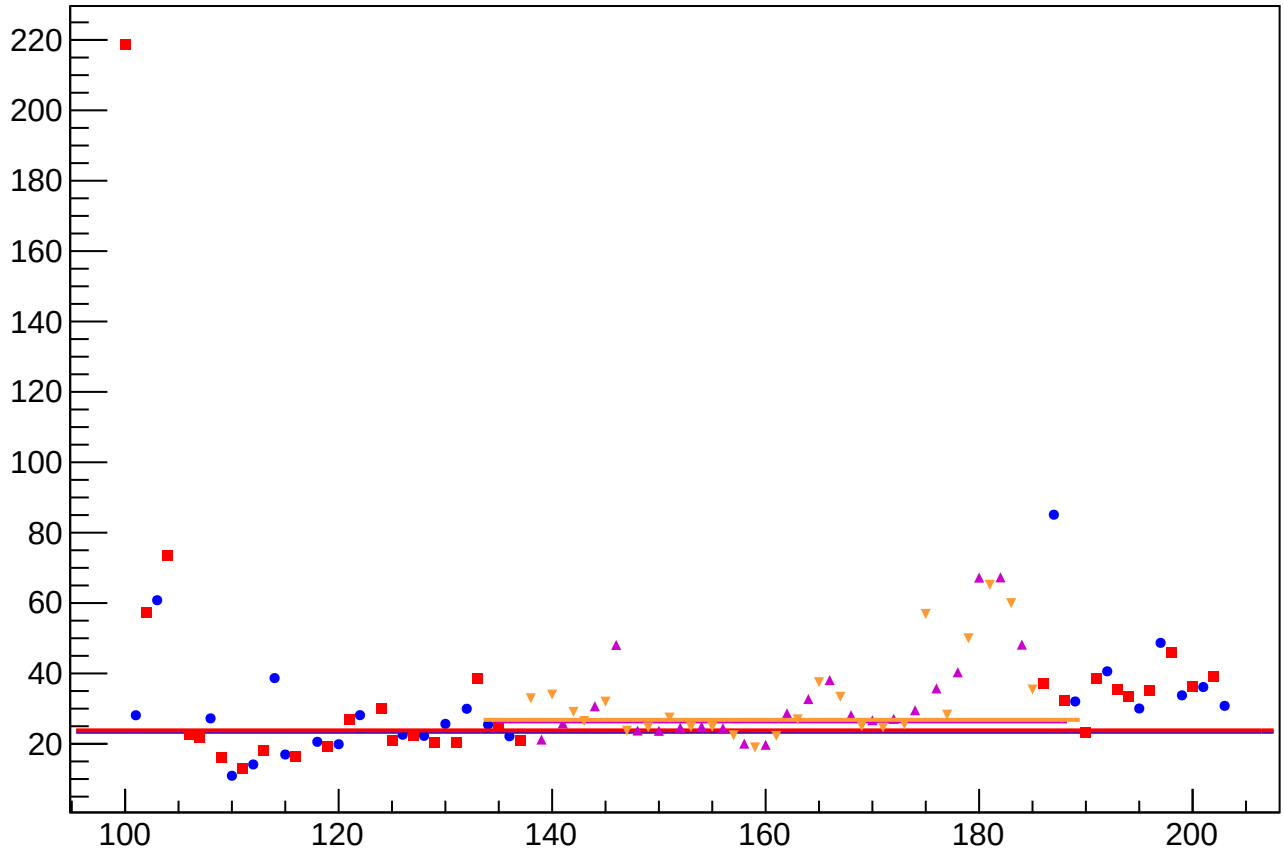
Left: 0.003+/-0.005 χ^2/NDF: 61.5/47

Right: 0.000+/-0.005 χ^2/NDF: 52.5/52

In: 0.004+/-0.005 χ^2/NDF:44.9/46

Out: -0.001+/-0.005 χ^2/NDF:68.7/53

All: 0.001+/-0.003 χ^2/NDF: 114.2/100



Right In: 23.441+/-0.005 χ^2/NDF: 3542840.9/23

Left Out: 26.820+/-0.005 χ^2/NDF:2469807.6/24

Right Out: 23.823+/-0.005 χ^2/NDF: 3750396.2/28

Left In: 26.376+/-0.005 χ^2/NDF:2566400.7/22

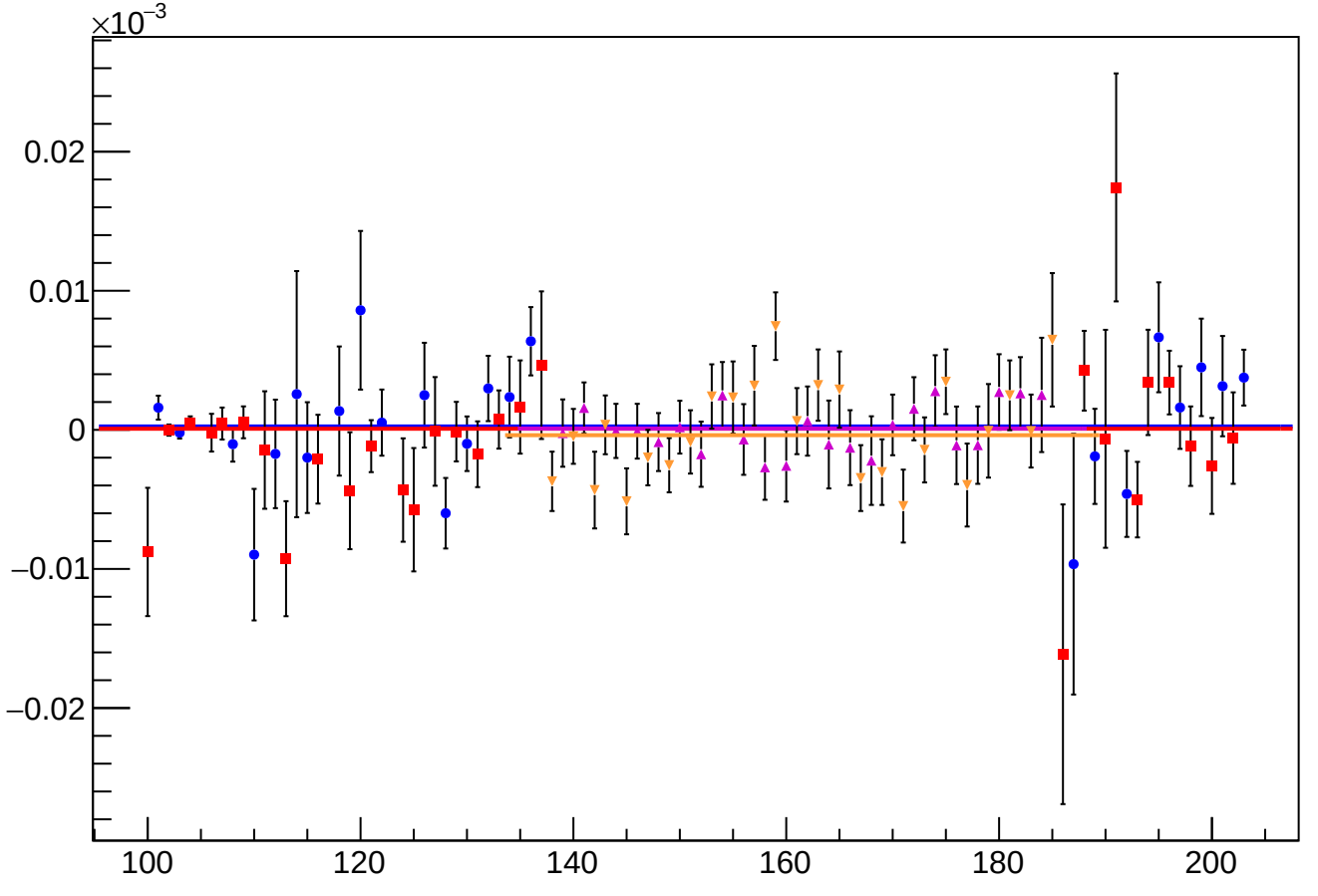
Left: 26.602+/-0.003 χ^2/NDF: 5040807.2/47

Right: 23.637+/-0.004 χ^2/NDF: 7296165.9/52

In: 25.027+/-0.003 χ^2/NDF:6290880.4/46

Out: 25.427+/-0.003 χ^2/NDF:6418284.2/53

All: 25.231+/-0.002 χ^2/NDF: 12716079.0/100



Right In: 0.000+/-0.000 χ^2/NDF: 38.2/23

Left Out: -0.000+/-0.000 χ^2/NDF:43.1/24

Right Out: 0.000+/-0.000 χ^2/NDF: 33.2/28

Left In: 0.000+/-0.000 χ^2/NDF:10.2/22

Left: -0.000+/-0.000 χ^2/NDF: 53.8/47

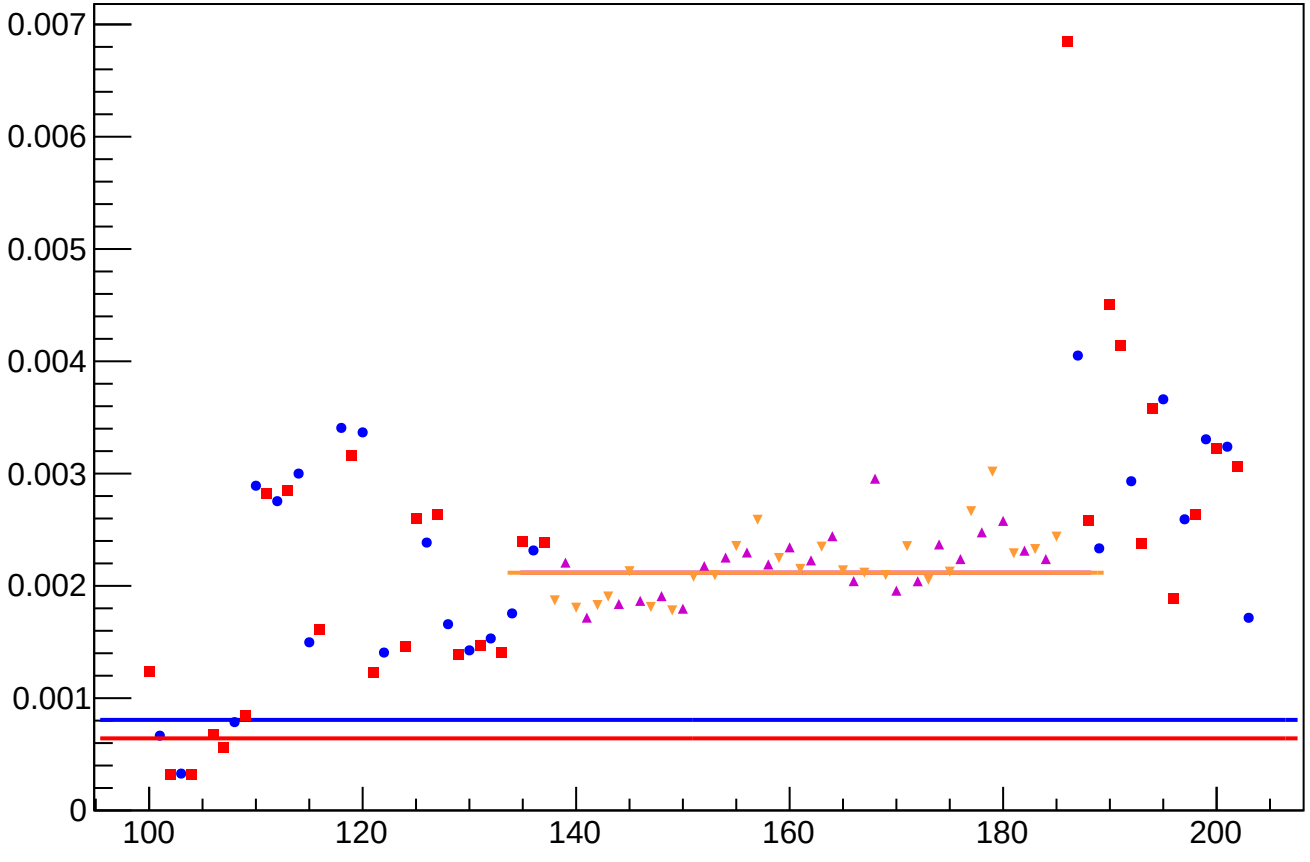
Right: 0.000+/-0.000 χ^2/NDF: 71.6/52

In: 0.000+/-0.000 χ^2/NDF:48.4/46

Out: -0.000+/-0.000 χ^2/NDF:77.0/53

All: 0.000+/-0.000 χ^2/NDF: 125.9/100

asym_sam7_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.001+/-0.000 χ^2/NDF: 12478953.4/23

Left Out: 0.002+/-0.000 χ^2/NDF:578720.8/24

Right Out: 0.001+/-0.000 χ^2/NDF: 15319805.0/28

Left In: 0.002+/-0.000 χ^2/NDF:588580.3/22

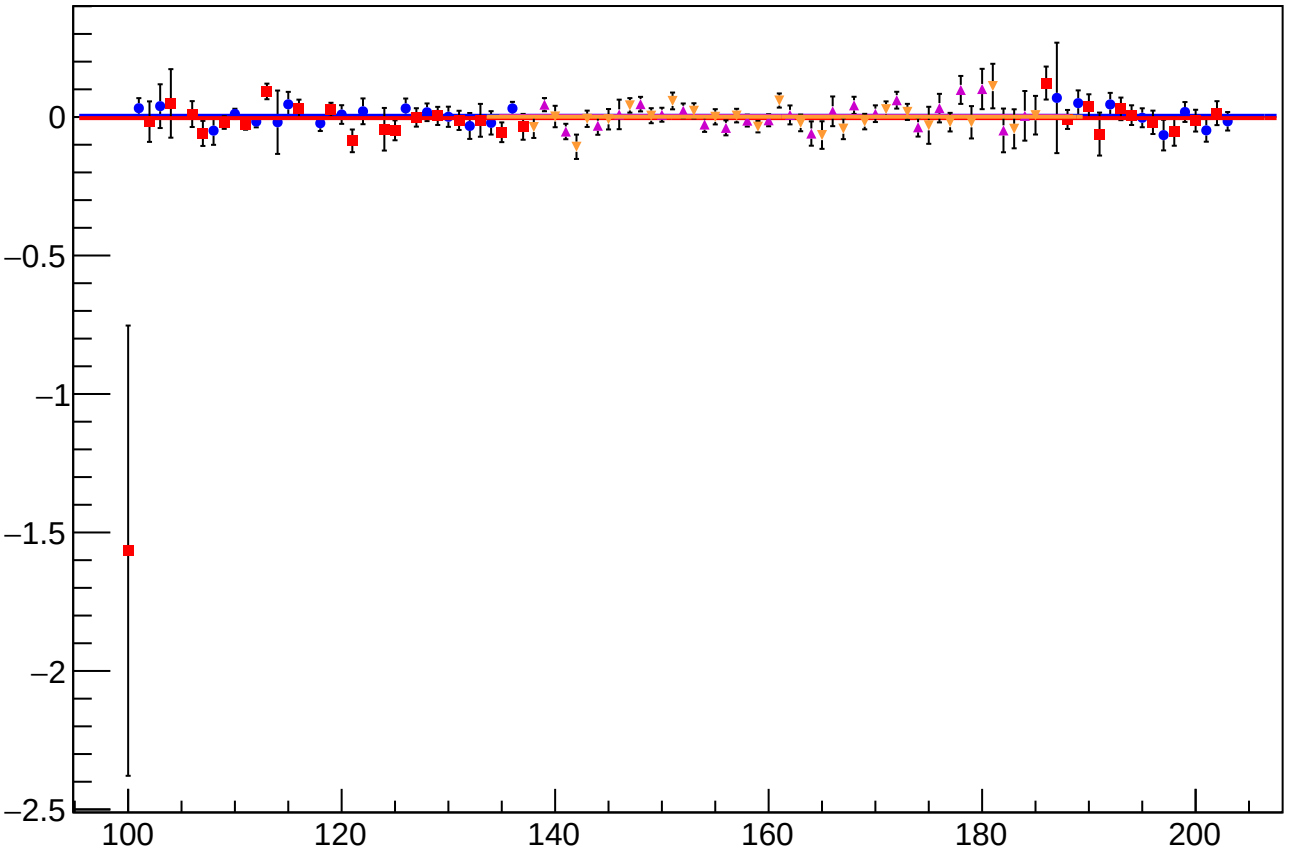
Left: 0.002+/-0.000 χ^2/NDF: 1167305.8/47

Right: 0.001+/-0.000 χ^2/NDF: 28124332.9/52

In: 0.001+/-0.000 χ^2/NDF:22830681.5/46

Out: 0.001+/-0.000 χ^2/NDF:30375978.9/53

All: 0.001+/-0.000 χ^2/NDF: 54072938.0/100



Right In: 0.004+/-0.007 χ^2/NDF: 13.7/23

Left Out: 0.001+/-0.006 χ^2/NDF:30.3/24

Right Out: -0.004+/-0.007 χ^2/NDF: 38.1/28

Left In: 0.004+/-0.007 χ^2/NDF:31.1/22

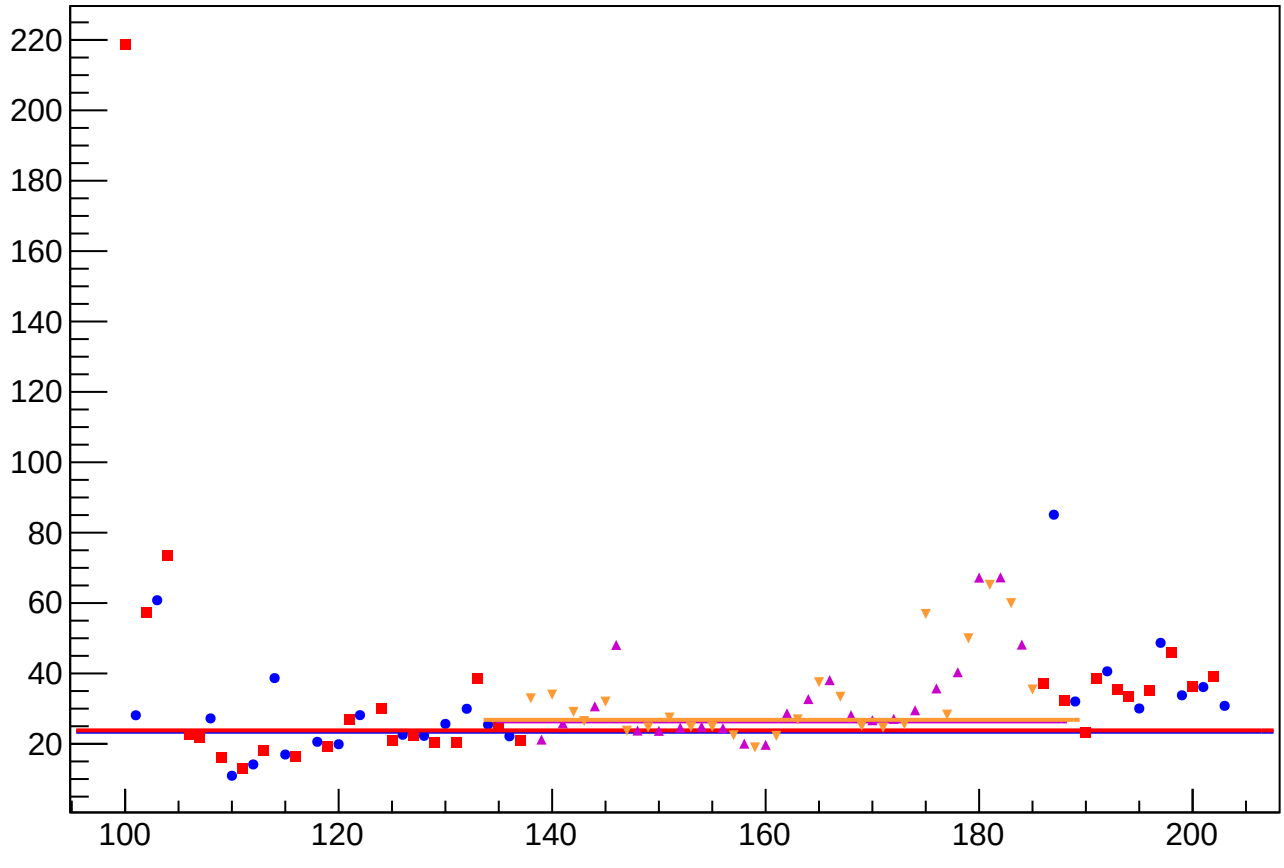
Left: 0.003+/-0.005 χ^2/NDF: 61.5/47

Right: 0.000+/-0.005 χ^2/NDF: 52.5/52

In: 0.004+/-0.005 χ^2/NDF:44.9/46

Out: -0.001+/-0.005 χ^2/NDF:68.7/53

All: 0.001+/-0.003 χ^2/NDF: 114.2/100



Right In: 23.442+/-0.005 χ^2/NDF: 3542569.7/23

Left Out: 26.820+/-0.005 χ^2/NDF:2469855.0/24

Right Out: 23.823+/-0.005 χ^2/NDF: 3750169.9/28

Left In: 26.376+/-0.005 χ^2/NDF:2566477.5/22

Left: 26.602+/-0.003 χ^2/NDF: 5040932.0/47

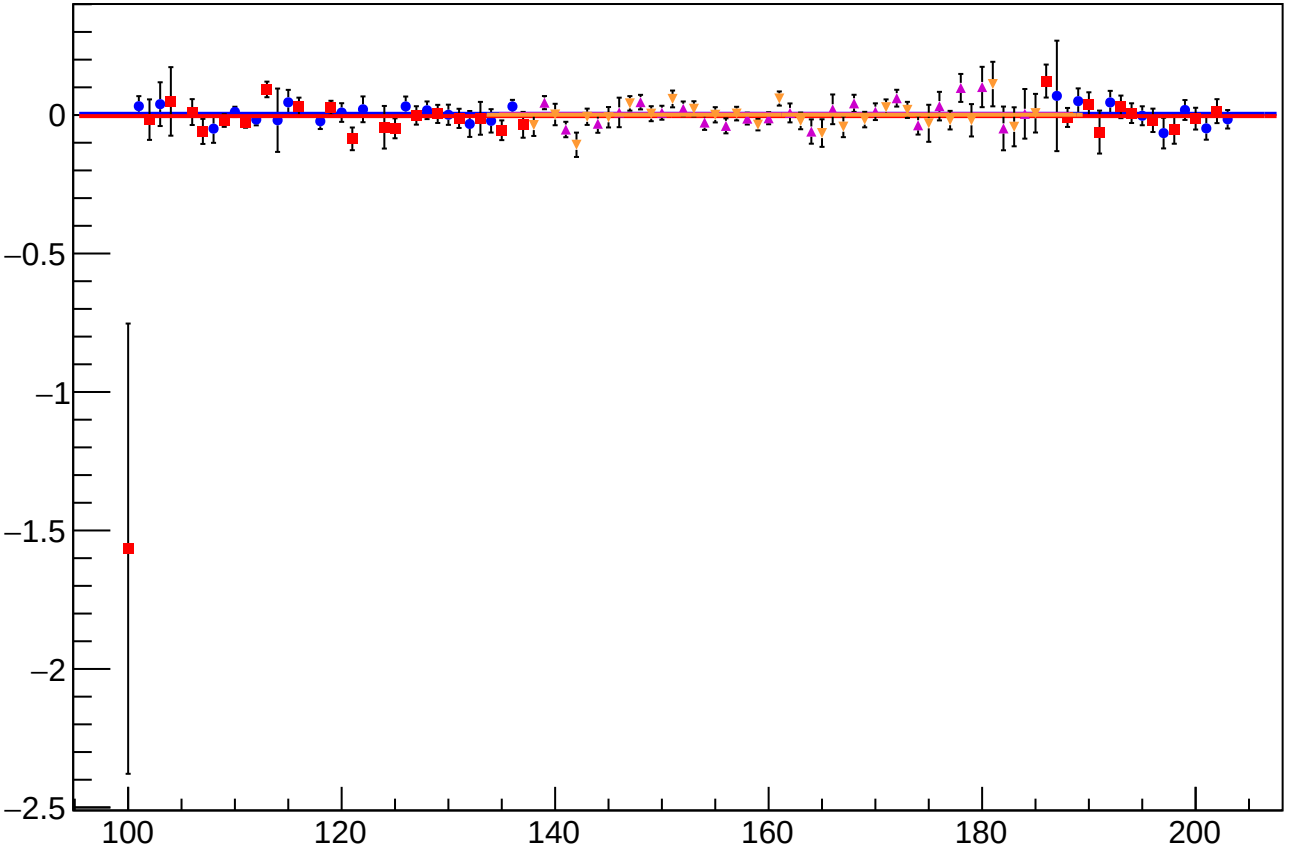
Right: 23.638+/-0.004 χ^2/NDF: 7295662.1/52

In: 25.027+/-0.003 χ^2/NDF:6290623.9/46

Out: 25.427+/-0.003 χ^2/NDF:6418101.0/53

All: 25.231+/-0.002 χ^2/NDF: 12715632.5/100

asym_sam7_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.004+/-0.007 χ^2/NDF: 13.7/23

Left Out: 0.001+/-0.006 χ^2/NDF:30.3/24

Right Out: -0.004+/-0.007 χ^2/NDF: 38.1/28

Left In: 0.004+/-0.007 χ^2/NDF:31.1/22

Left: 0.003+/-0.005 χ^2/NDF: 61.5/47

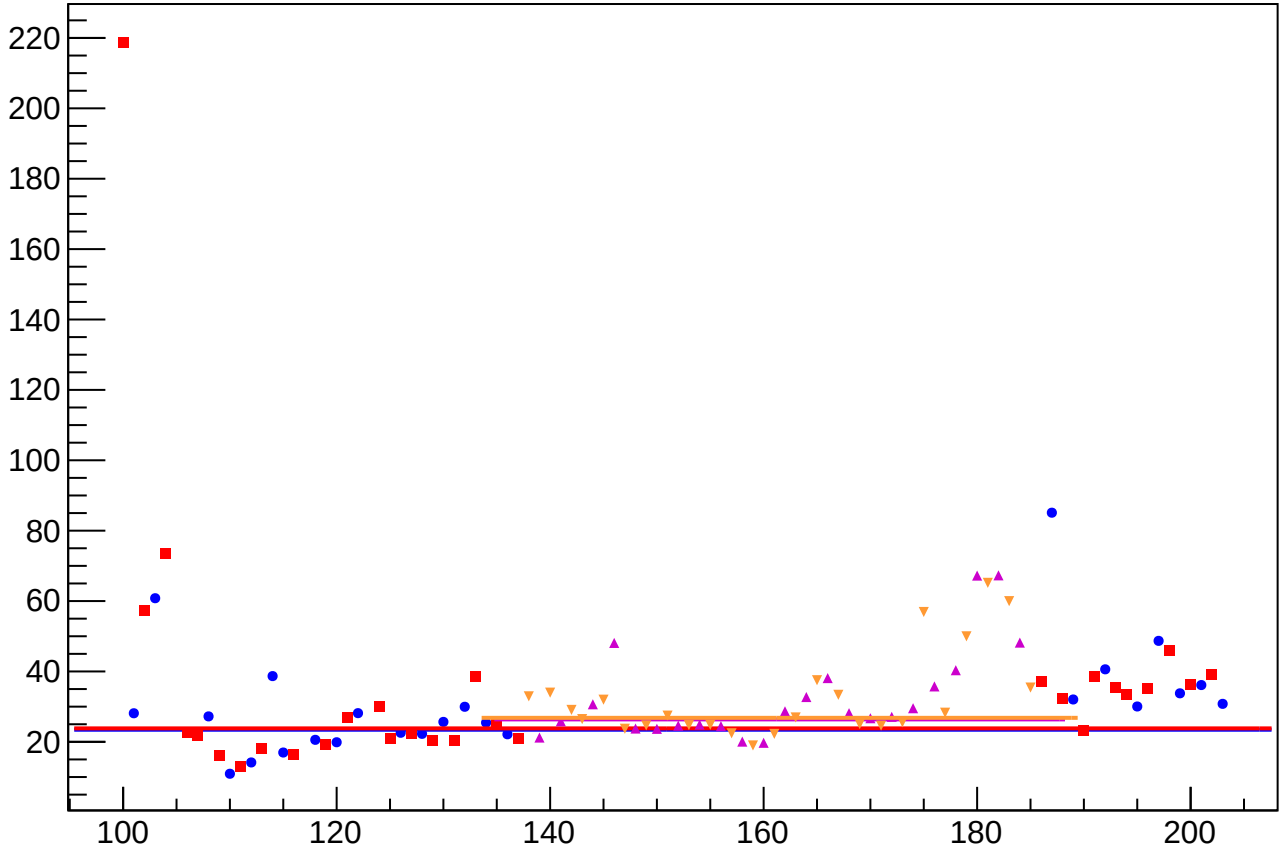
Right: 0.000+/-0.005 χ^2/NDF: 52.5/52

In: 0.004+/-0.005 χ^2/NDF:44.9/46

Out: -0.001+/-0.005 χ^2/NDF:68.7/53

All: 0.001+/-0.003 χ^2/NDF: 114.2/100

asym_sam7_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 23.442+/-0.005 χ^2/NDF: 3542569.7/23

Left Out: 26.820+/-0.005 χ^2/NDF:2469855.0/24

Right Out: 23.823+/-0.005 χ^2/NDF: 3750169.9/28

Left In: 26.376+/-0.005 χ^2/NDF:2566477.5/22

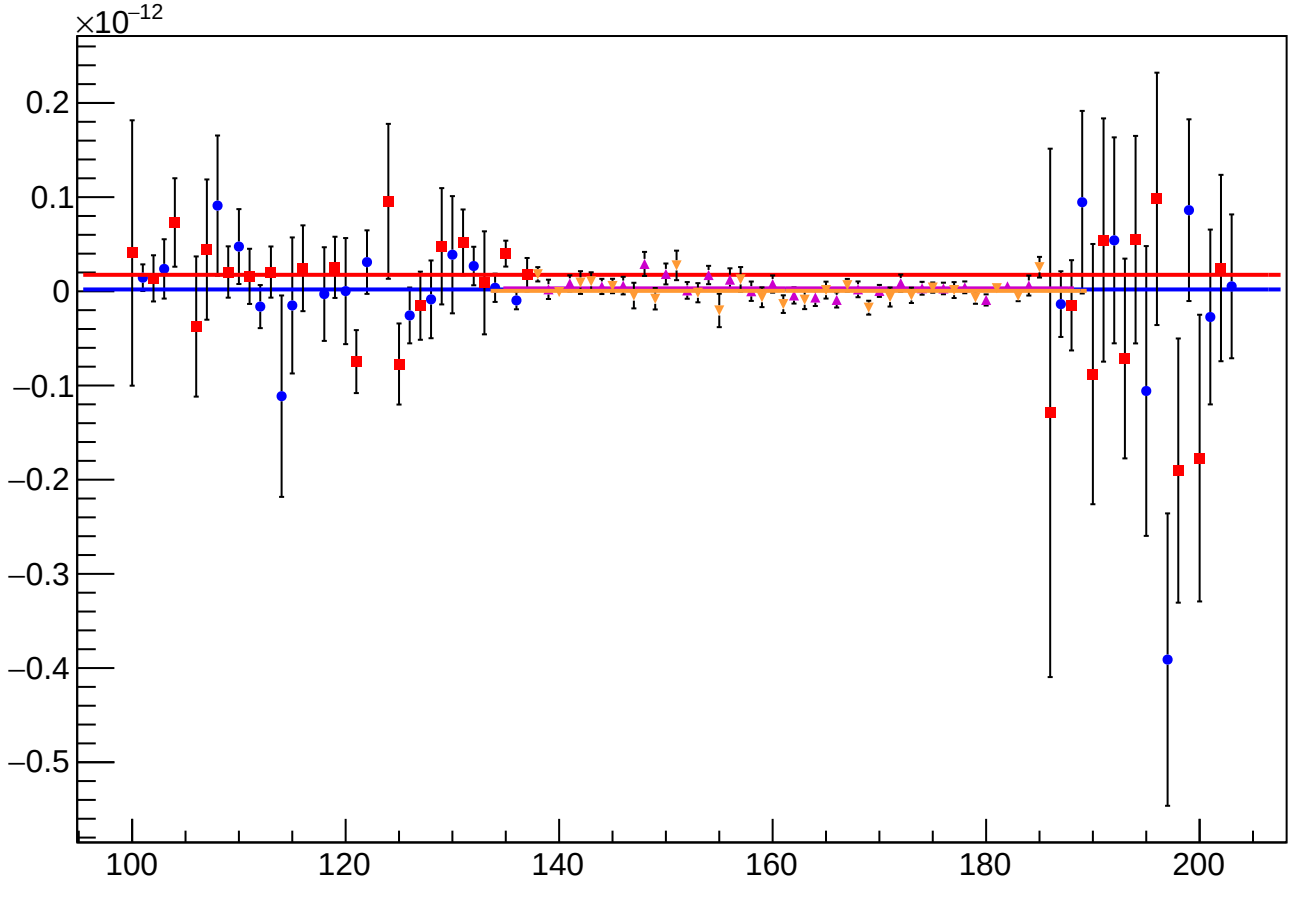
Left: 26.602+/-0.003 χ^2/NDF: 5040932.0/47

Right: 23.638+/-0.004 χ^2/NDF: 7295662.1/52

In: 25.027+/-0.003 χ^2/NDF:6290623.9/46

Out: 25.427+/-0.003 χ^2/NDF:6418101.0/53

All: 25.231+/-0.002 χ^2/NDF: 12715632.5/100



Right In: 0.000+/-0.000 χ^2/NDF: 20.0/23

Left Out: 0.000+/-0.000 χ^2/NDF:32.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 26.7/28

Left In: 0.000+/-0.000 χ^2/NDF:19.1/22

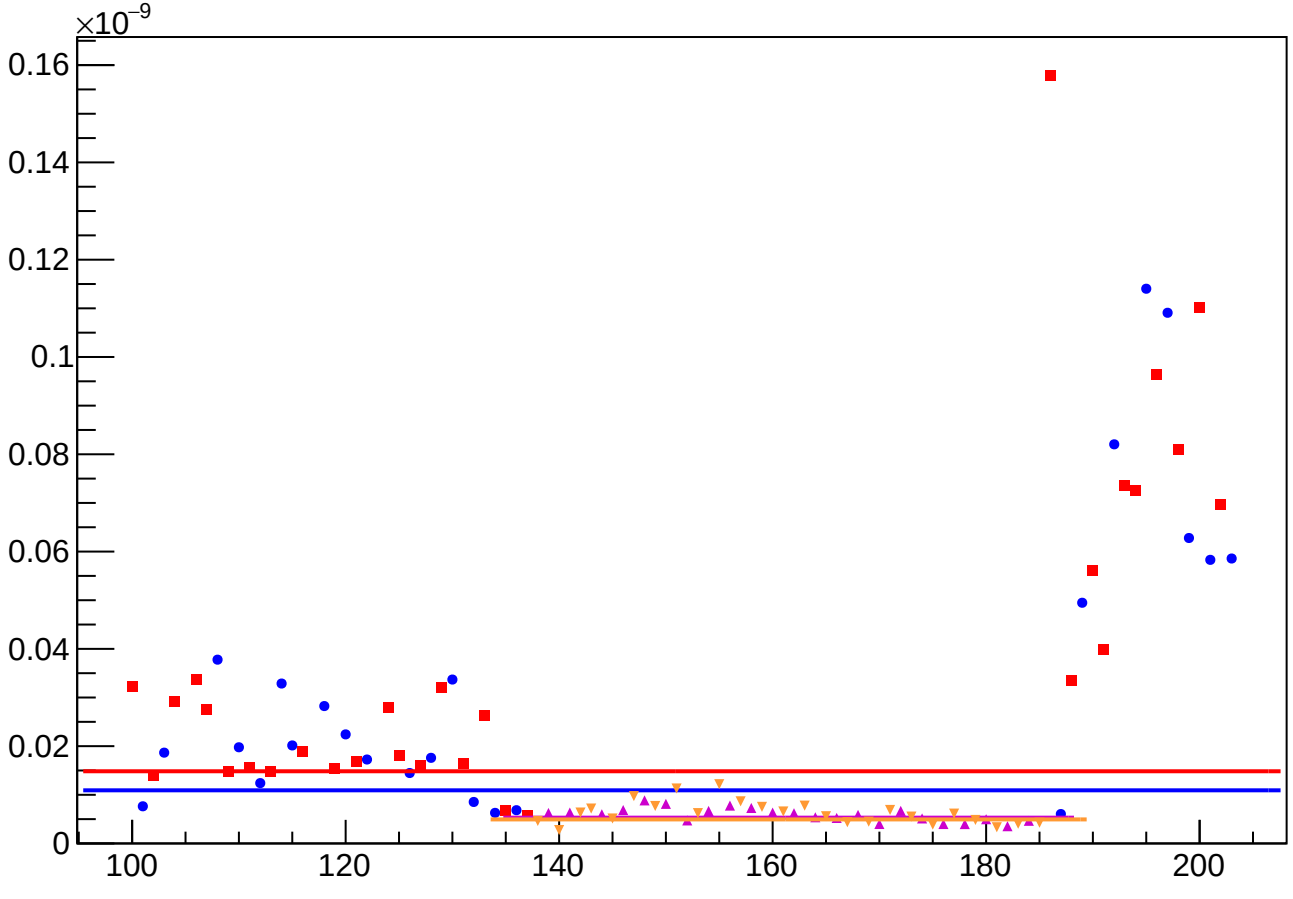
Left: 0.000+/-0.000 χ^2/NDF: 53.0/47

Right: 0.000+/-0.000 χ^2/NDF: 49.7/52

In: 0.000+/-0.000 χ^2/NDF:39.1/46

Out: 0.000+/-0.000 χ^2/NDF:65.1/53

All: 0.000+/-0.000 χ^2/NDF: 104.8/100



Right In: 0.000+/-0.000 χ^2/NDF: 6828836.1/23

Left Out: 0.000+/-0.000 χ^2/NDF:2747591.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 6793327.2/28

Left In: 0.000+/-0.000 χ^2/NDF:1247237.9/22

Left: 0.000+/-0.000 χ^2/NDF: 4044909.4/47

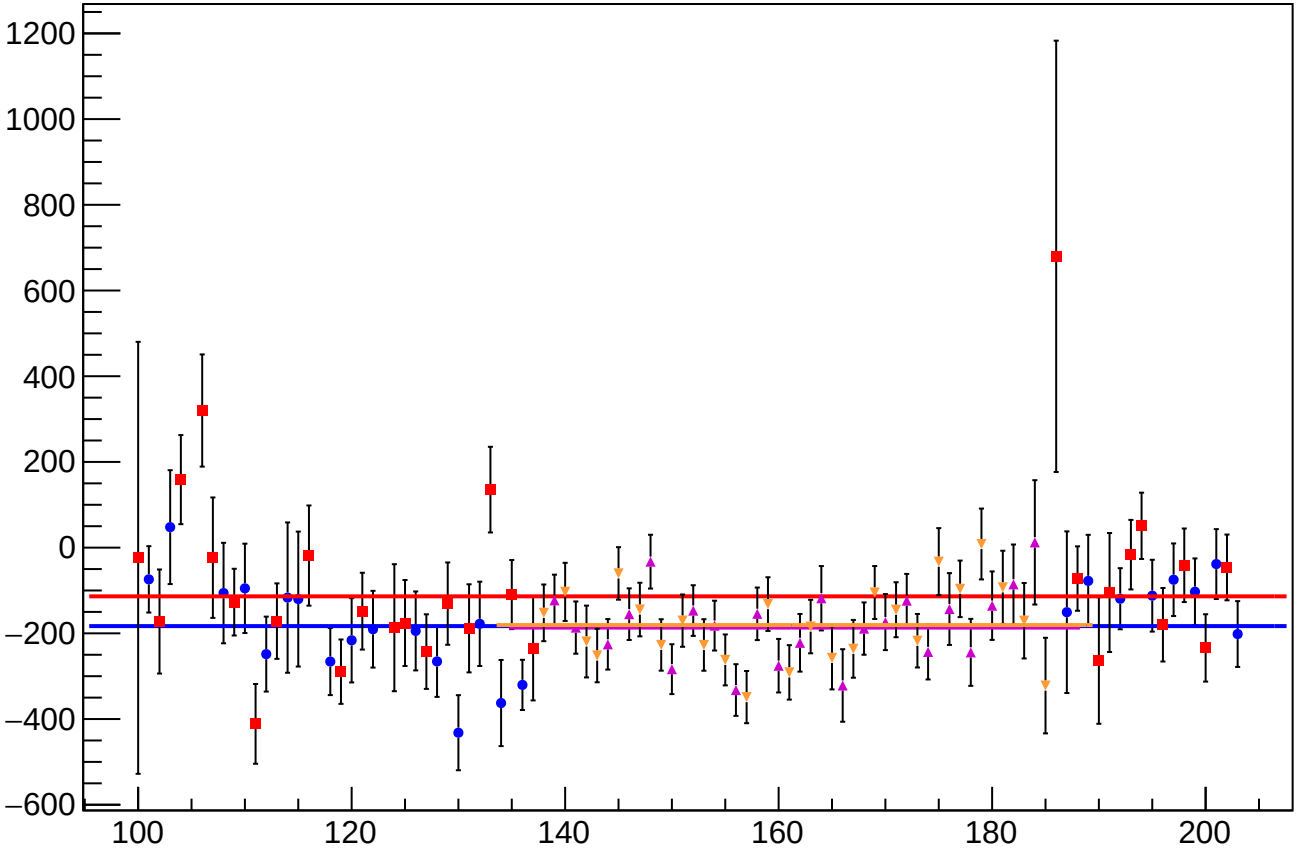
Right: 0.000+/-0.000 χ^2/NDF: 14012444.2/52

In: 0.000+/-0.000 χ^2/NDF:9938932.8/46

Out: 0.000+/-0.000 χ^2/NDF:13464738.7/53

All: 0.000+/-0.000 χ^2/NDF: 23450099.6/100

reg_asym_sam8_mean vs Slug, Sign Corrected



Right In: -183.109+/-18.413 χ^2/NDF: 34.4/23

Left Out: -180.685+/-13.419 χ^2/NDF:38.6/24

Right Out: -113.688+/-18.077 χ^2/NDF: 60.3/28

Left In: -186.567+/-13.860 χ^2/NDF:29.0/22

Left: -183.531+/-9.641 χ^2/NDF: 67.7/47

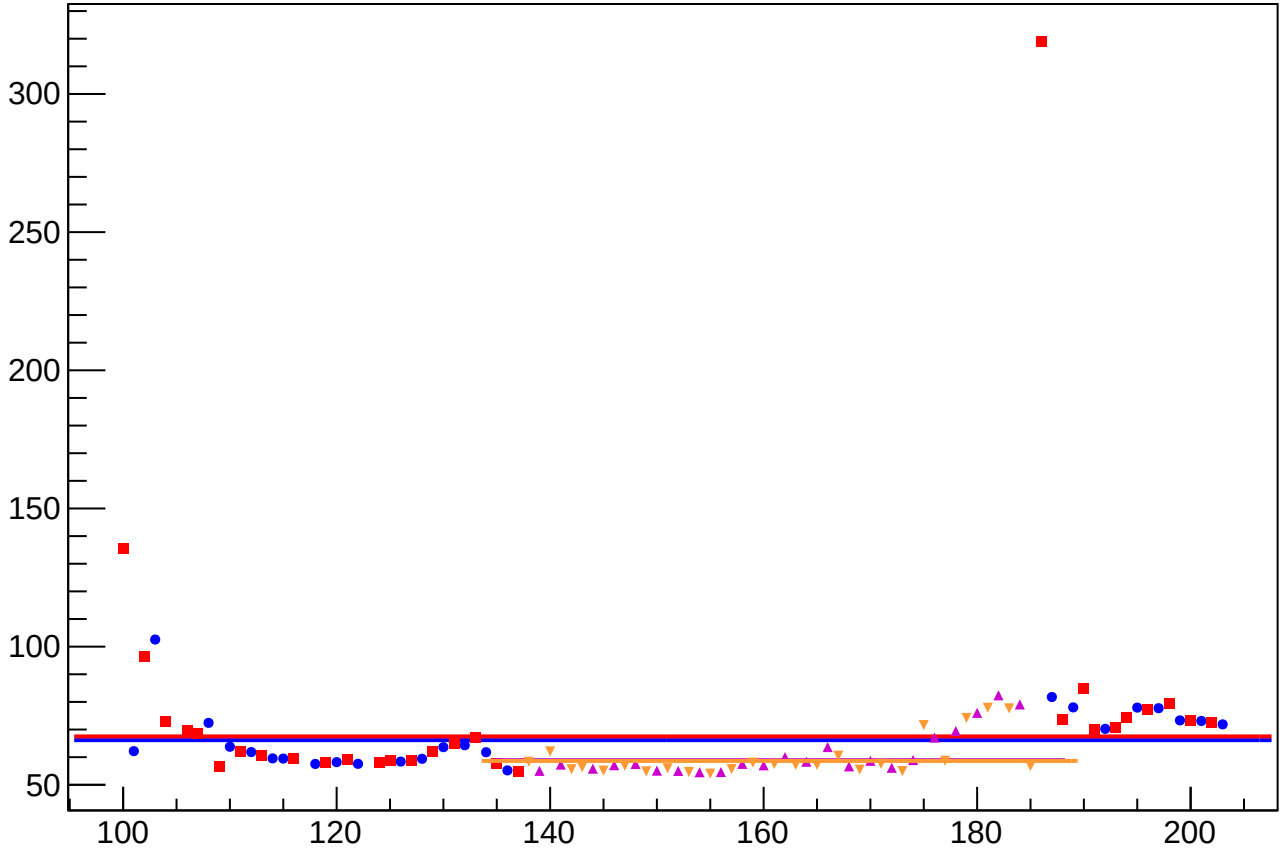
Right: -147.760+/-12.899 χ^2/NDF: 102.0/52

In: -185.316+/-11.073 χ^2/NDF:63.4/46

Out: -156.884+/-10.775 χ^2/NDF:107.8/53

All: -170.711+/-7.722 χ^2/NDF: 174.6/100

reg_asym_sam8_rms vs Slug, Sign Corrected



Right In: 66.164+/-0.013 χ^2/NDF: 496345.5/23

Left Out: 58.644+/-0.009 χ^2/NDF:393880.8/24

Right Out: 67.513+/-0.013 χ^2/NDF: 1018374.2/28

Left In: 58.906+/-0.010 χ^2/NDF:386820.4/22

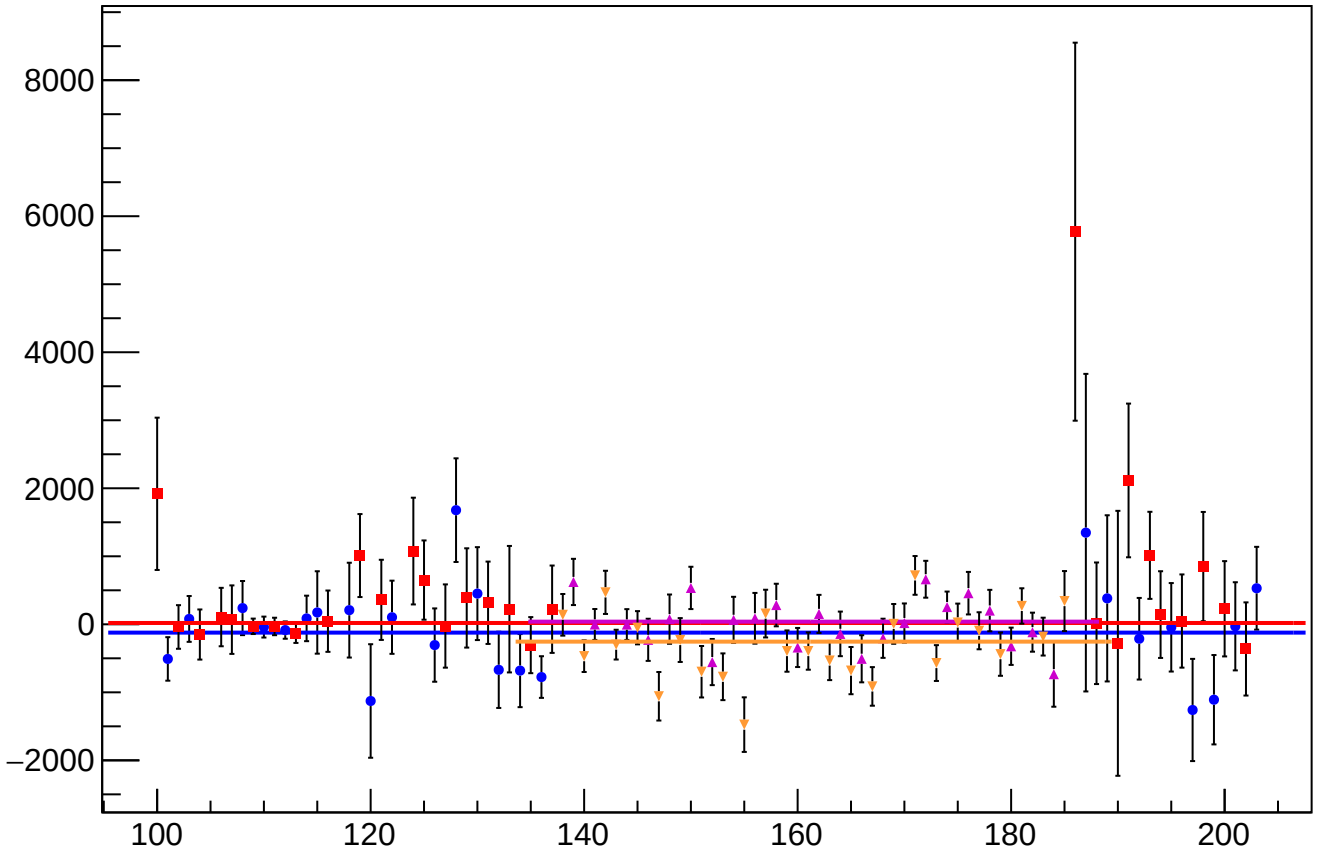
Left: 58.771+/-0.007 χ^2/NDF: 781070.9/47

Right: 66.851+/-0.009 χ^2/NDF: 1520190.6/52

In: 61.531+/-0.008 χ^2/NDF:1081500.4/46

Out: 61.795+/-0.008 χ^2/NDF:1722670.6/53

All: 61.667+/-0.005 χ^2/NDF: 2804754.2/100



Right In: -122.208+/-73.063 χ^2/NDF: 24.8/23

Left Out: -254.628+/-58.877 χ^2/NDF:57.6/24

Right Out: 19.591+/-62.037 χ^2/NDF: 23.5/28

Left In: 39.147+/-61.883 χ^2/NDF:28.3/22

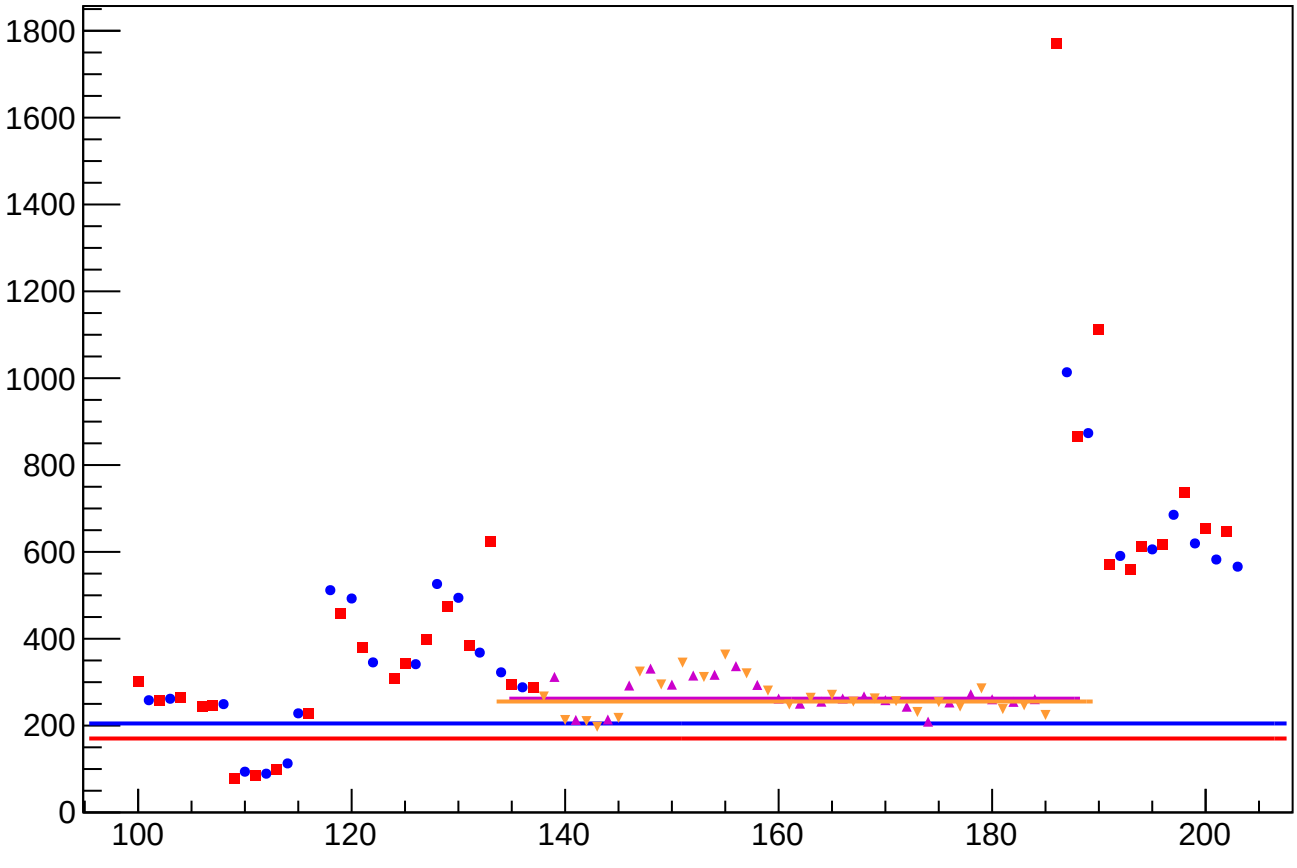
Left: -115.050+/-42.655 χ^2/NDF: 97.8/47

Right: -39.812+/-47.290 χ^2/NDF: 50.4/52

In: -28.254+/-47.221 χ^2/NDF:56.0/46

Out: -124.681+/-42.706 χ^2/NDF:91.4/53

All: -81.297+/-31.674 χ^2/NDF: 149.6/100



Right In: 204.923+/-0.052 χ^2/NDF: 10427315.3/23

Left Out: 255.469+/-0.042 χ^2/NDF:863866.8/24

Right Out: 170.297+/-0.044 χ^2/NDF: 13682510.7/28

Left In: 262.007+/-0.044 χ^2/NDF:670576.2/22

Left: 258.576+/-0.030 χ^2/NDF: 1546159.8/47

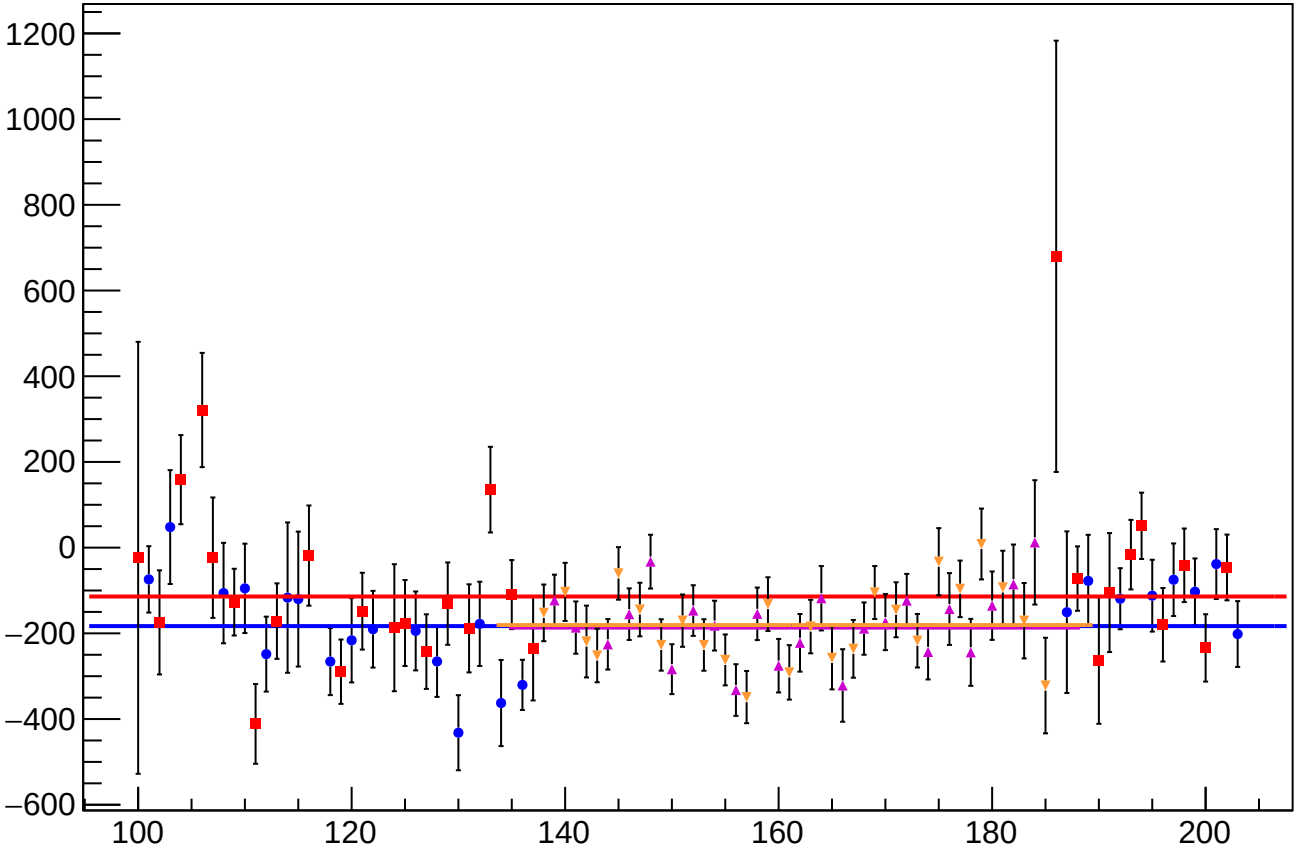
Right: 184.803+/-0.033 χ^2/NDF: 24370853.9/52

In: 238.162+/-0.033 χ^2/NDF:11808767.5/46

Out: 215.108+/-0.030 χ^2/NDF:16529794.5/53

All: 225.480+/-0.022 χ^2/NDF: 28600805.4/10

cor_asym_sam8_mean vs Slug, Sign Corrected



Right In: -183.108+/-18.413 χ^2/NDF: 34.4/23

Left Out: -180.680+/-13.419 χ^2/NDF:38.6/24

Right Out: -114.006+/-18.083 χ^2/NDF: 60.0/28

Left In: -186.567+/-13.860 χ^2/NDF:29.0/22

Left: -183.529+/-9.641 χ^2/NDF: 67.7/47

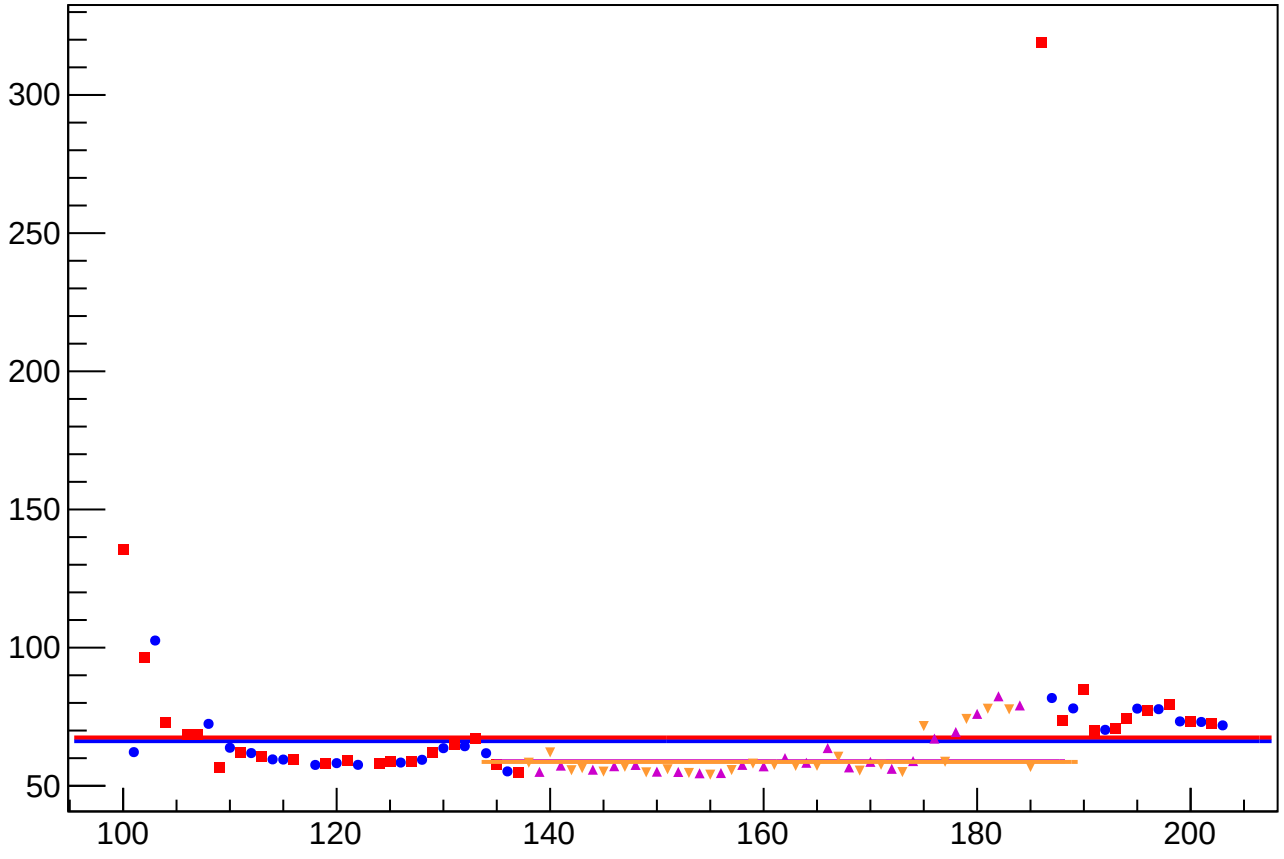
Right: -147.933+/-12.902 χ^2/NDF: 101.6/52

In: -185.316+/-11.073 χ^2/NDF:63.4/46

Out: -157.004+/-10.776 χ^2/NDF:107.3/53

All: -170.775+/-7.723 χ^2/NDF: 174.1/100

cor_asym_sam8_rms vs Slug, Sign Corrected



Right In: 66.164+/-0.013 χ^2/NDF: 496347.9/23

Left Out: 58.644+/-0.009 χ^2/NDF:393880.8/24

Right Out: 67.491+/-0.013 χ^2/NDF: 1018141.2/28

Left In: 58.906+/-0.010 χ^2/NDF:386820.4/22

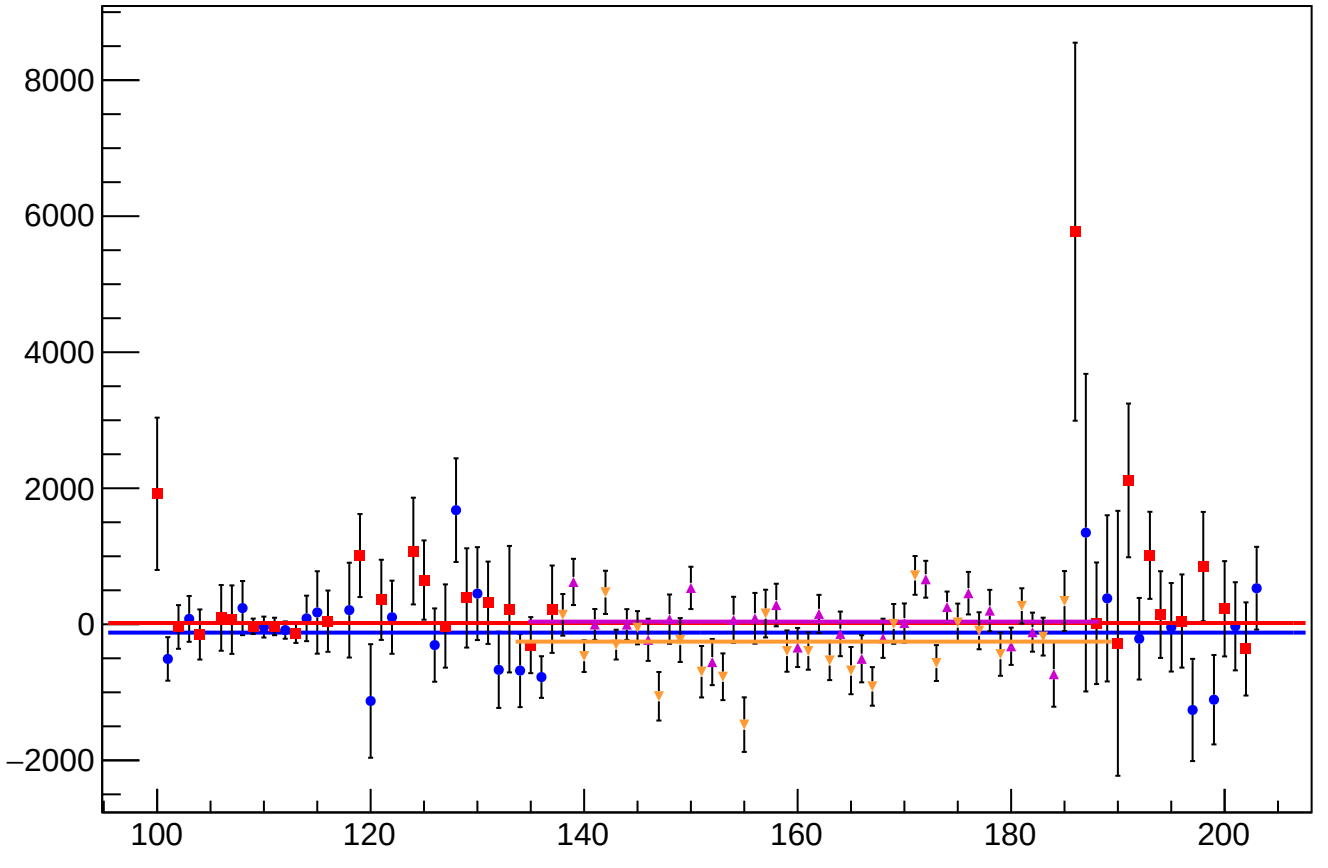
Left: 58.771+/-0.007 χ^2/NDF: 781071.0/47

Right: 66.839+/-0.009 χ^2/NDF: 1519776.2/52

In: 61.531+/-0.008 χ^2/NDF:1081503.0/46

Out: 61.785+/-0.008 χ^2/NDF:1720716.5/53

All: 61.662+/-0.005 χ^2/NDF: 2802761.5/100



Right In: -122.190+/-73.063 χ^2/NDF: 24.8/23

Left Out: -254.625+/-58.877 χ^2/NDF:57.6/24

Right Out: 19.020+/-62.176 χ^2/NDF: 23.4/28

Left In: 39.144+/-61.883 χ^2/NDF:28.3/22

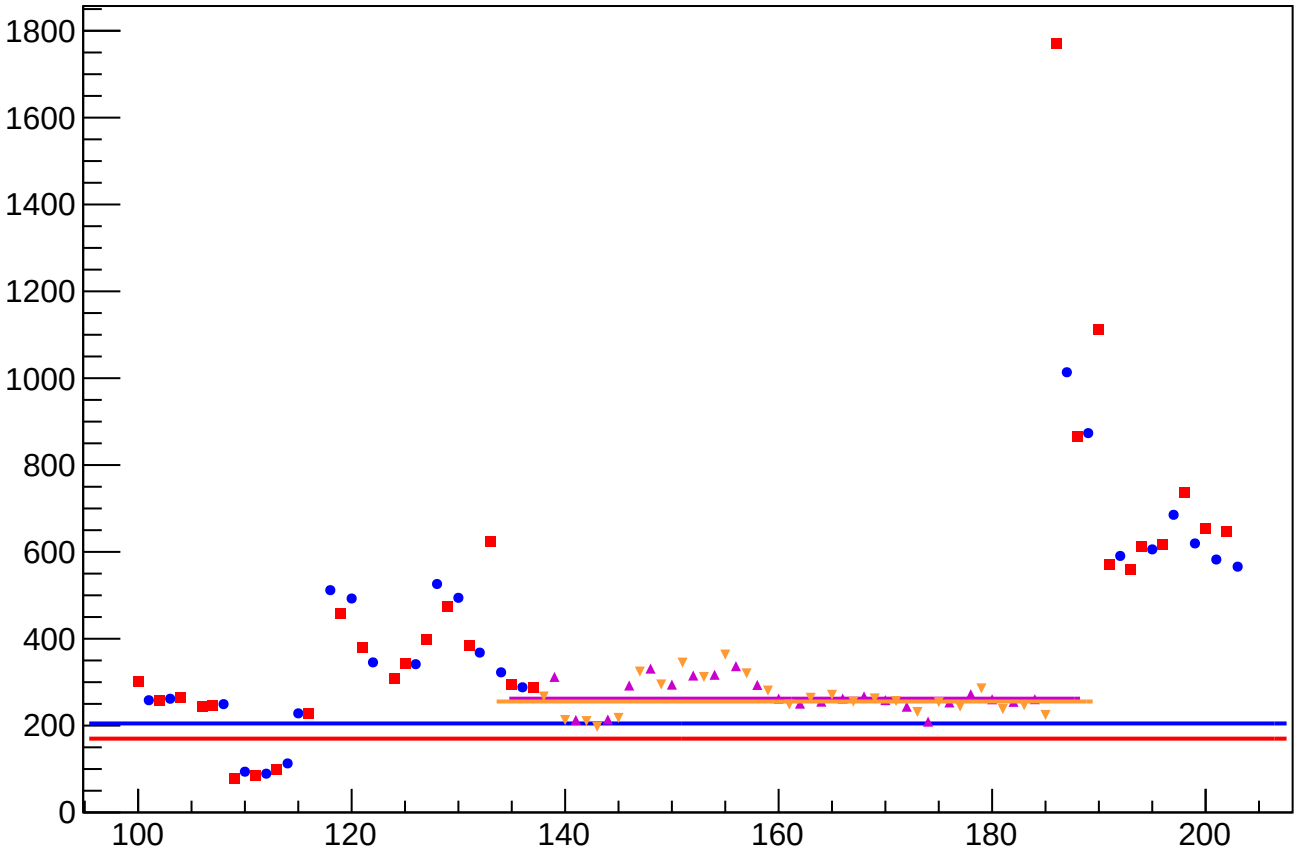
Left: -115.050+/-42.655 χ^2/NDF: 97.8/47

Right: -40.290+/-47.351 χ^2/NDF: 50.4/52

In: -28.247+/-47.221 χ^2/NDF:56.0/46

Out: -125.255+/-42.751 χ^2/NDF:91.3/53

All: -81.560+/-31.692 χ^2/NDF: 149.6/100



Right In: 204.924+/-0.052 χ^2/NDF: 10427357.3/23

Left Out: 255.469+/-0.042 χ^2/NDF:863867.3/24

Right Out: 169.974+/-0.044 χ^2/NDF: 13670859.3/28

Left In: 262.007+/-0.044 χ^2/NDF:670574.8/22

Left: 258.576+/-0.030 χ^2/NDF: 1546159.5/47

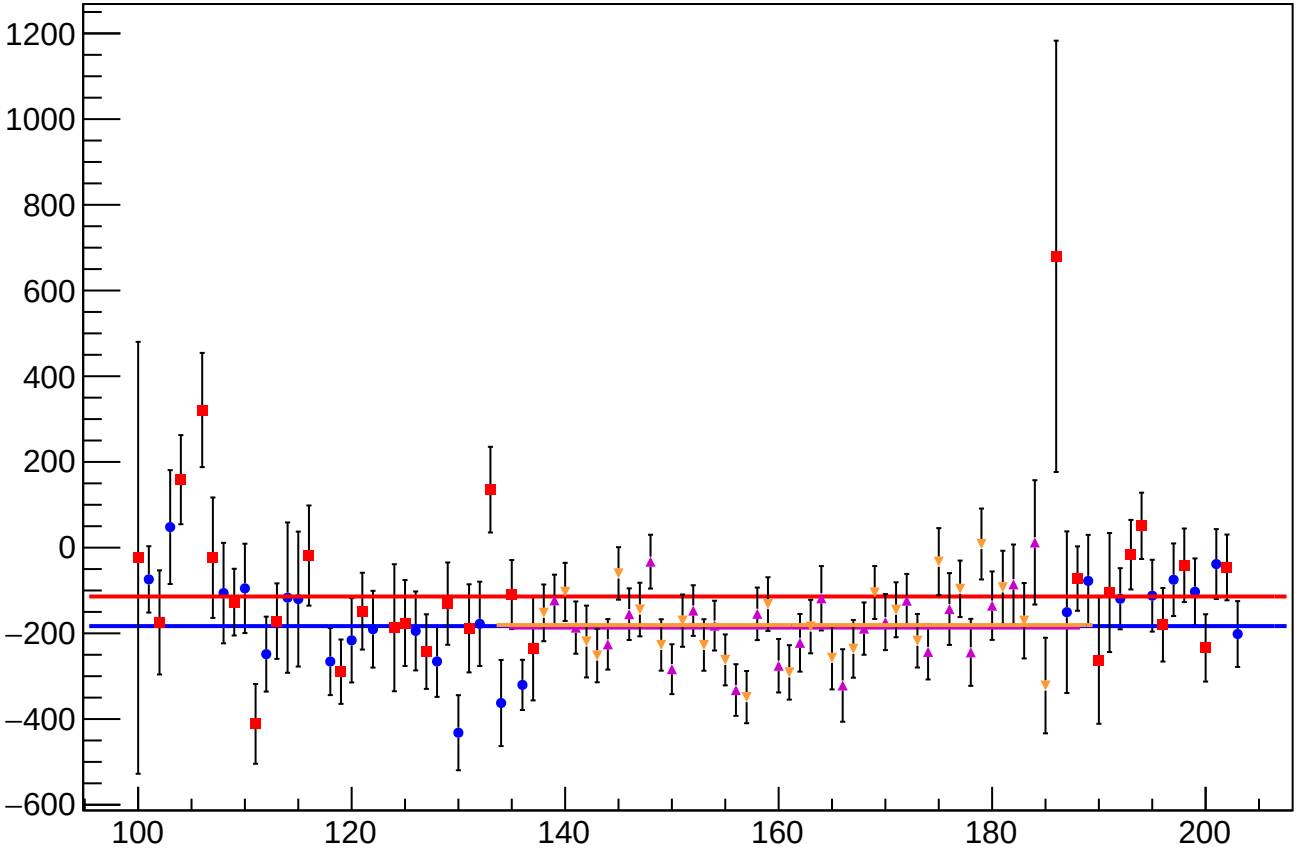
Right: 184.654+/-0.033 χ^2/NDF: 24363636.6/52

In: 238.163+/-0.033 χ^2/NDF:11808789.2/46

Out: 215.050+/-0.030 χ^2/NDF:16528475.1/53

All: 225.461+/-0.022 χ^2/NDF: 28600572.8/10

eigen_cor_asym_sam8_mean vs Slug, Sign Corrected



Right In: -183.108+/-18.413 χ^2/NDF: 34.4/23

Left Out: -180.680+/-13.419 χ^2/NDF:38.6/24

Right Out: -114.006+/-18.083 χ^2/NDF: 60.0/28

Left In: -186.567+/-13.860 χ^2/NDF:29.0/22

Left: -183.529+/-9.641 χ^2/NDF: 67.7/47

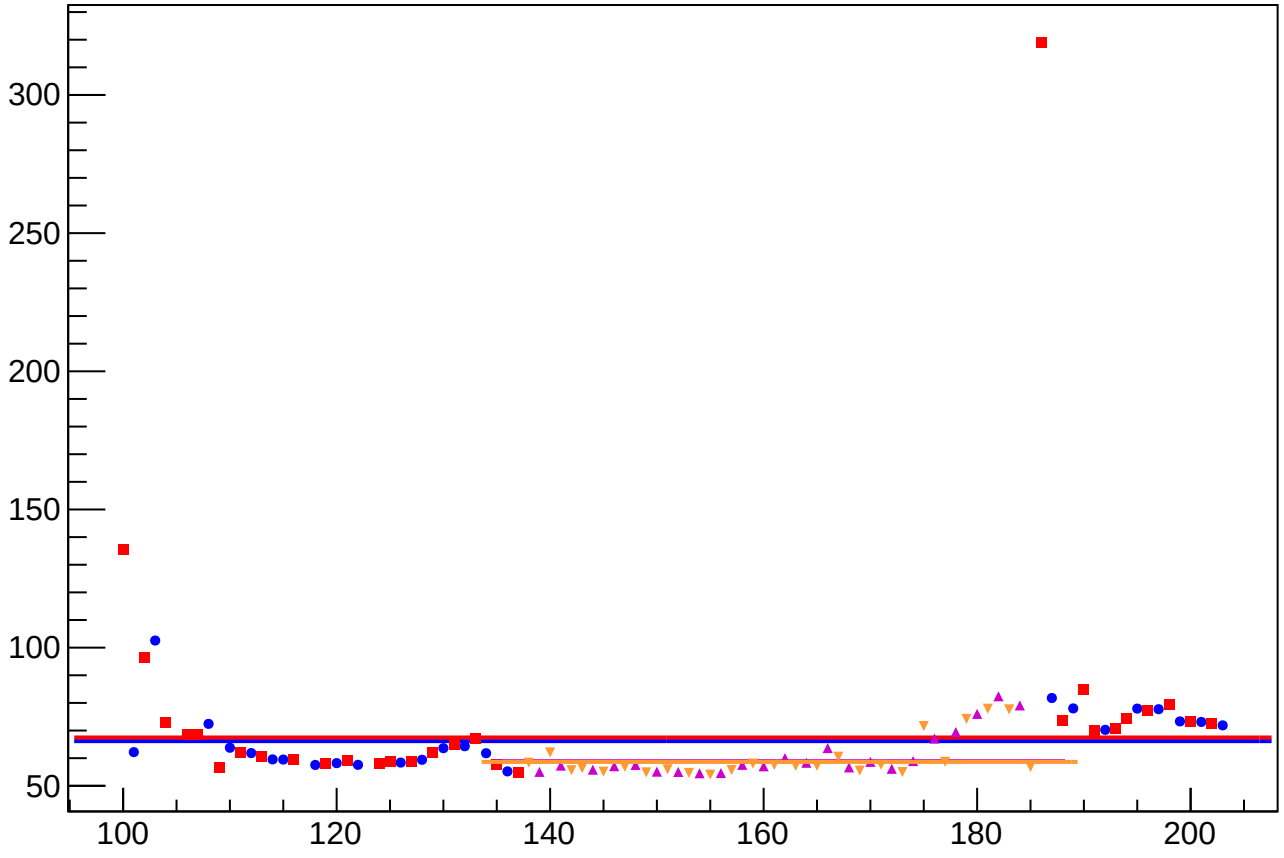
Right: -147.933+/-12.902 χ^2/NDF: 101.6/52

In: -185.316+/-11.073 χ^2/NDF:63.4/46

Out: -157.004+/-10.776 χ^2/NDF:107.3/53

All: -170.775+/-7.723 χ^2/NDF: 174.1/100

eigen_cor_asym_sam8_rms vs Slug, Sign Corrected



Right In: 66.164+/-0.013 χ^2/NDF: 496347.9/23

Left Out: 58.644+/-0.009 χ^2/NDF:393880.8/24

Right Out: 67.491+/-0.013 χ^2/NDF: 1018141.2/28

Left In: 58.906+/-0.010 χ^2/NDF:386820.4/22

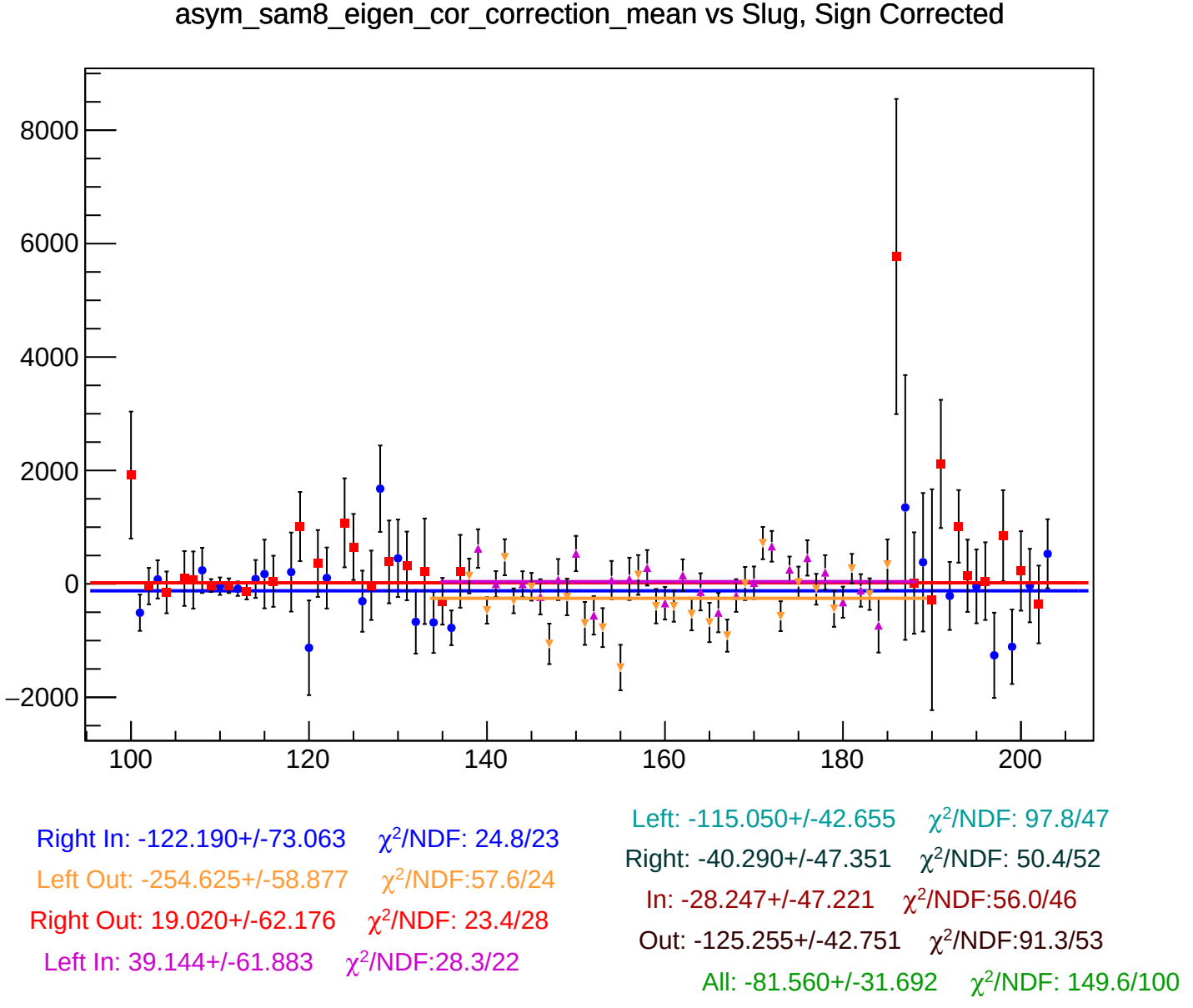
Left: 58.771+/-0.007 χ^2/NDF: 781071.0/47

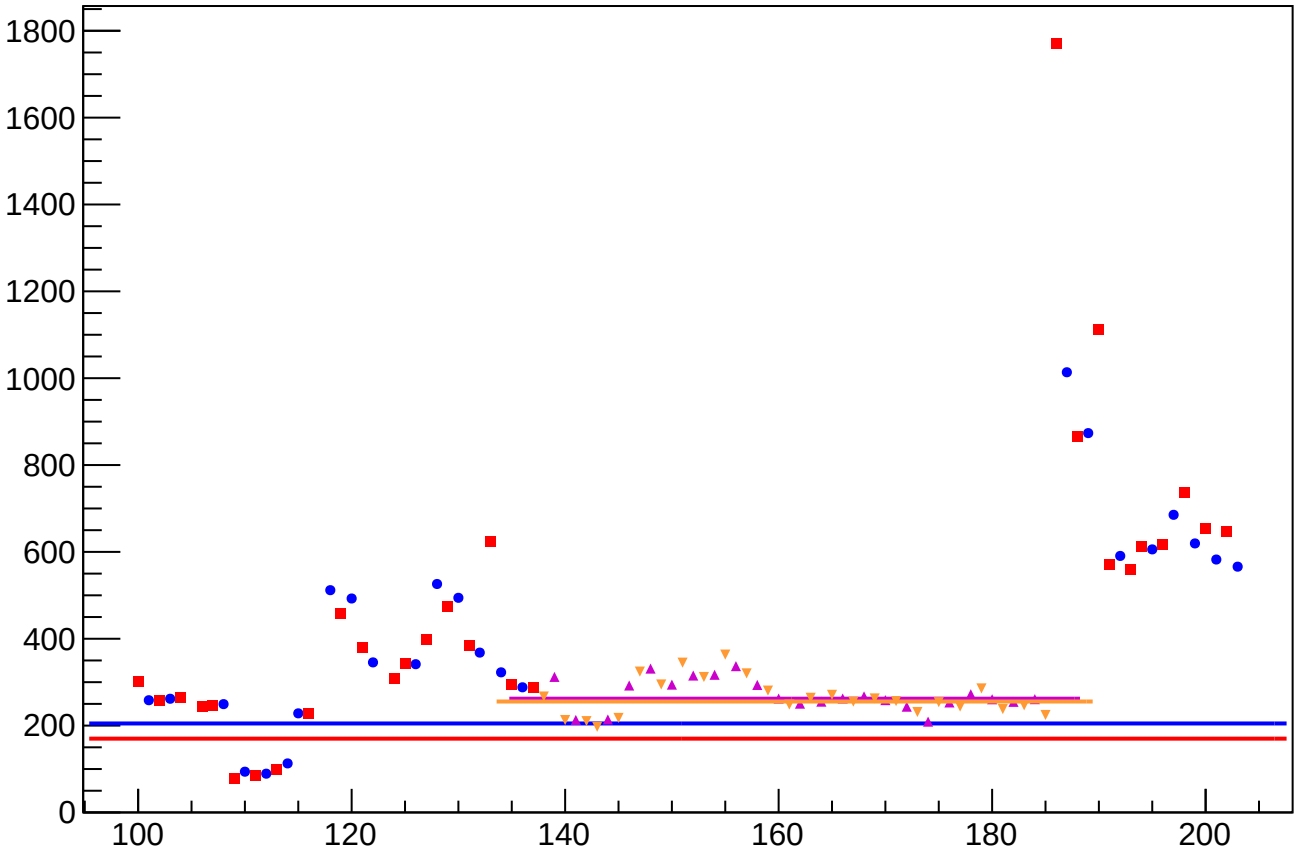
Right: 66.839+/-0.009 χ^2/NDF: 1519776.2/52

In: 61.531+/-0.008 χ^2/NDF:1081503.0/46

Out: 61.785+/-0.008 χ^2/NDF:1720716.5/53

All: 61.662+/-0.005 χ^2/NDF: 2802761.5/100


asym_sam8_eigen_cor_correction_mean vs Slug, Sign Corrected
8000
6000
4000
2000
0
−2000
100
120
140
160
180
200
Right In: -122.190+/-73.063 χ²/NDF: 24.8/23
Left Out: -254.625+/-58.877 χ²/NDF:57.6/24
Right Out: 19.020+/-62.176 χ²/NDF: 23.4/28
Left In: 39.144+/-61.883 χ²/NDF:28.3/22
Left: -115.050+/-42.655 χ²/NDF: 97.8/47
Right: -40.290+/-47.351 χ²/NDF: 50.4/52
In: -28.247+/-47.221 χ²/NDF:56.0/46
Out: -125.255+/-42.751 χ²/NDF:91.3/53
All: -81.560+/-31.692 χ²/NDF: 149.6/100



Right In: 204.924+/-0.052 χ^2/NDF: 10427357.3/23

Left Out: 255.469+/-0.042 χ^2/NDF:863867.3/24

Right Out: 169.974+/-0.044 χ^2/NDF: 13670859.3/28

Left In: 262.007+/-0.044 χ^2/NDF:670574.8/22

Left: 258.576+/-0.030 χ^2/NDF: 1546159.5/47

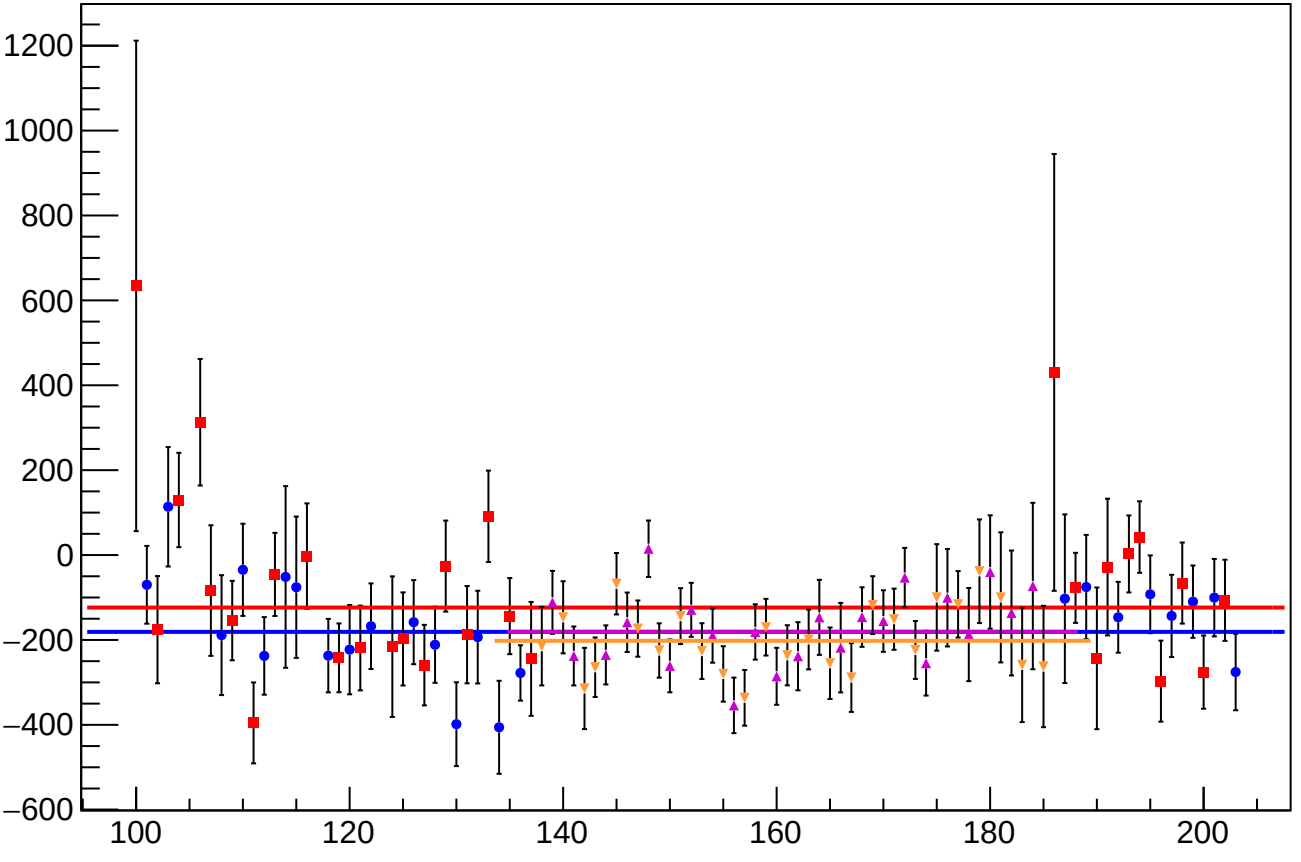
Right: 184.654+/-0.033 χ^2/NDF: 24363636.6/52

In: 238.163+/-0.033 χ^2/NDF:11808789.2/46

Out: 215.050+/-0.030 χ^2/NDF:16528475.1/53

All: 225.461+/-0.022 χ^2/NDF: 28600572.8/10

dit_asym_sam8_mean vs Slug, Sign Corrected



Right In: -180.949+/-20.512 χ^2/NDF: 25.6/23

Left Out: -202.090+/-15.538 χ^2/NDF:21.5/24

Right Out: -123.675+/-20.038 χ^2/NDF: 52.4/28

Left In: -180.784+/-16.019 χ^2/NDF:30.1/22

Left: -191.762+/-11.153 χ^2/NDF: 52.6/47

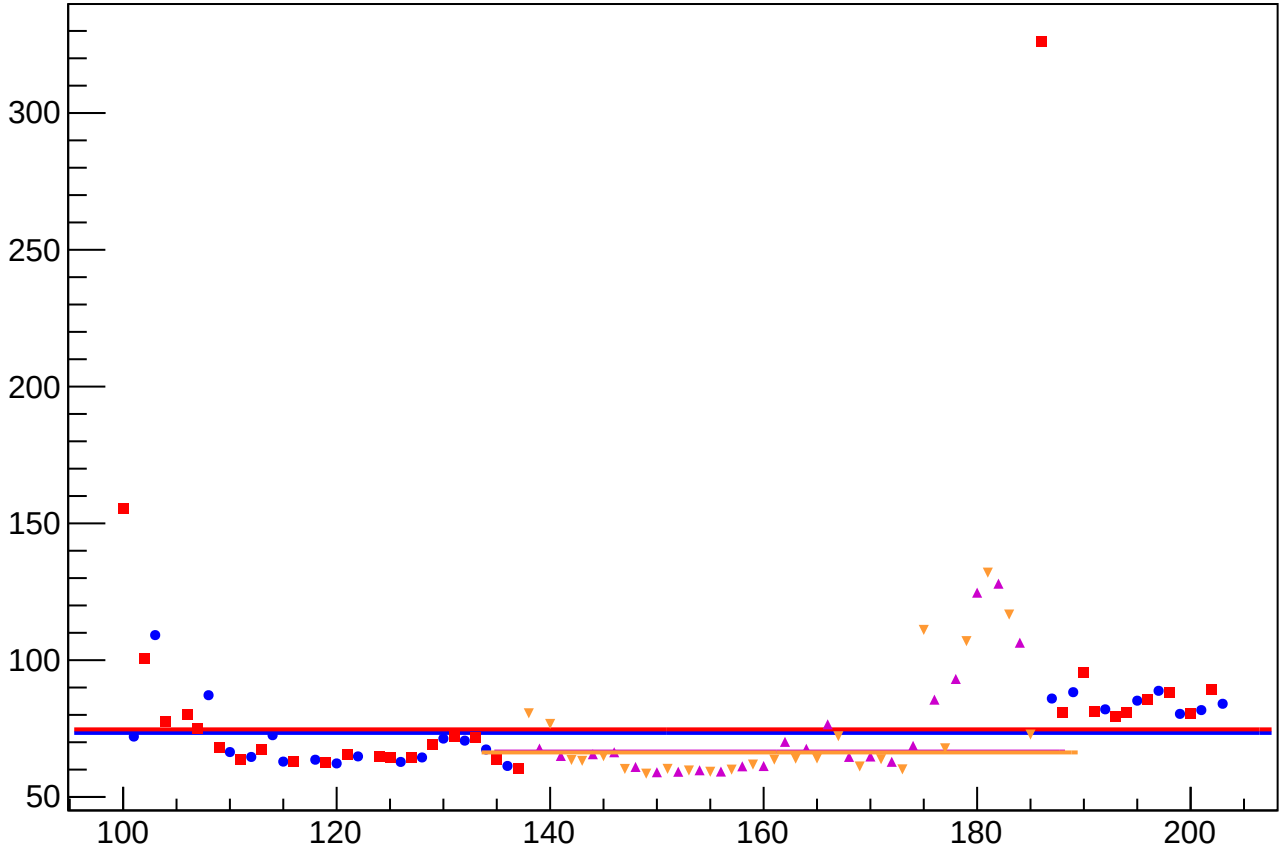
Right: -151.643+/-14.334 χ^2/NDF: 81.9/52

In: -180.846+/-12.625 χ^2/NDF:55.7/46

Out: -172.645+/-12.279 χ^2/NDF:83.4/53

All: -176.632+/-8.802 χ^2/NDF: 139.4/100

dit_asym_sam8_rms vs Slug, Sign Corrected



Right In: 73.415+/-0.015 χ^2/NDF: 565884.2/23

Left Out: 66.279+/-0.011 χ^2/NDF:1393879.2/24

Right Out: 74.706+/-0.014 χ^2/NDF: 1023746.2/28

Left In: 66.585+/-0.011 χ^2/NDF:1158238.0/22

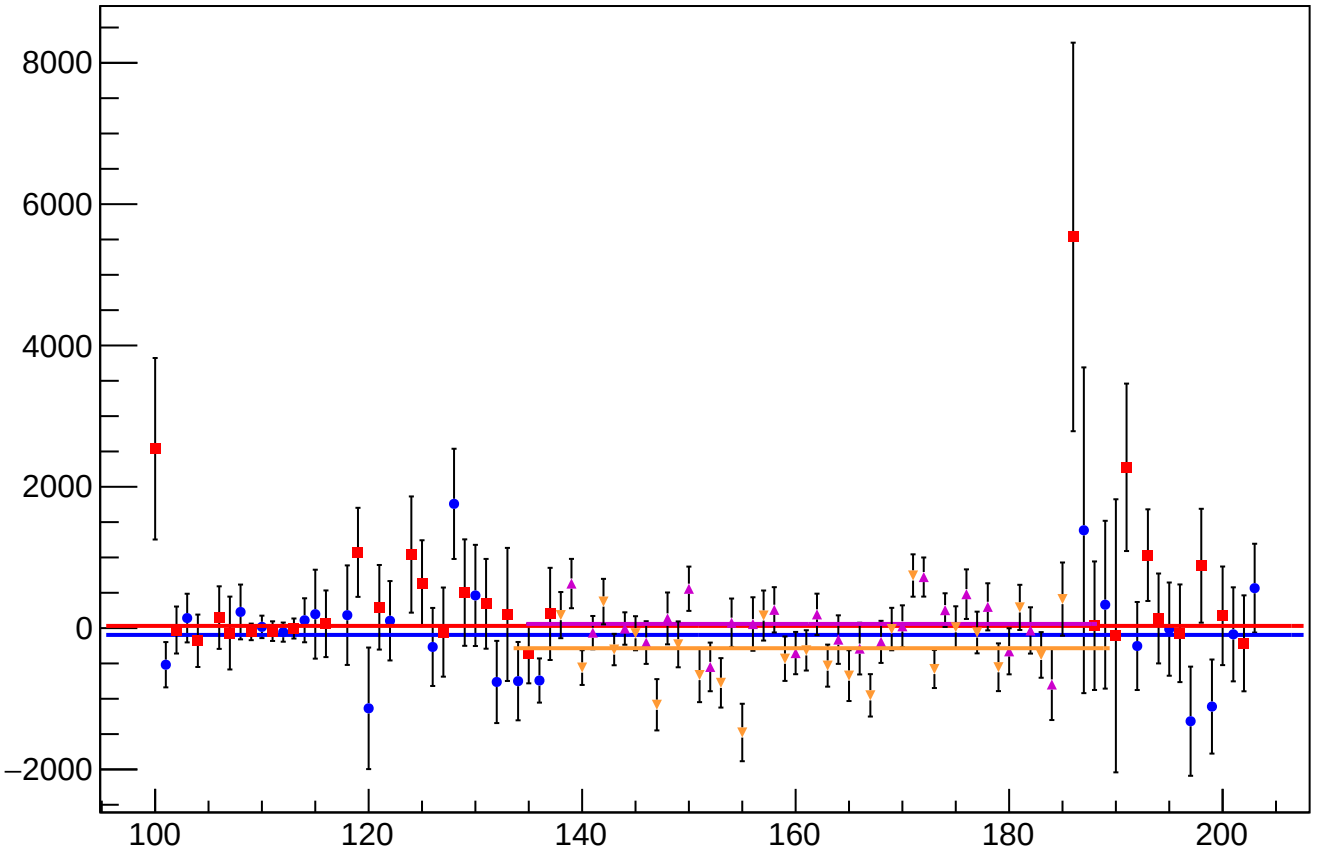
Left: 66.427+/-0.008 χ^2/NDF: 2552494.2/47

Right: 74.076+/-0.010 χ^2/NDF: 1593685.2/52

In: 69.173+/-0.009 χ^2/NDF:1861849.6/46

Out: 69.443+/-0.009 χ^2/NDF:2638537.0/53

All: 69.312+/-0.006 χ^2/NDF: 4500859.0/100



Right In: -96.303+/-75.368 χ^2/NDF: 25.8/23

Left Out: -284.450+/-61.727 χ^2/NDF:54.6/24

Right Out: 31.194+/-63.859 χ^2/NDF: 23.5/28

Left In: 59.160+/-64.636 χ^2/NDF:26.8/22

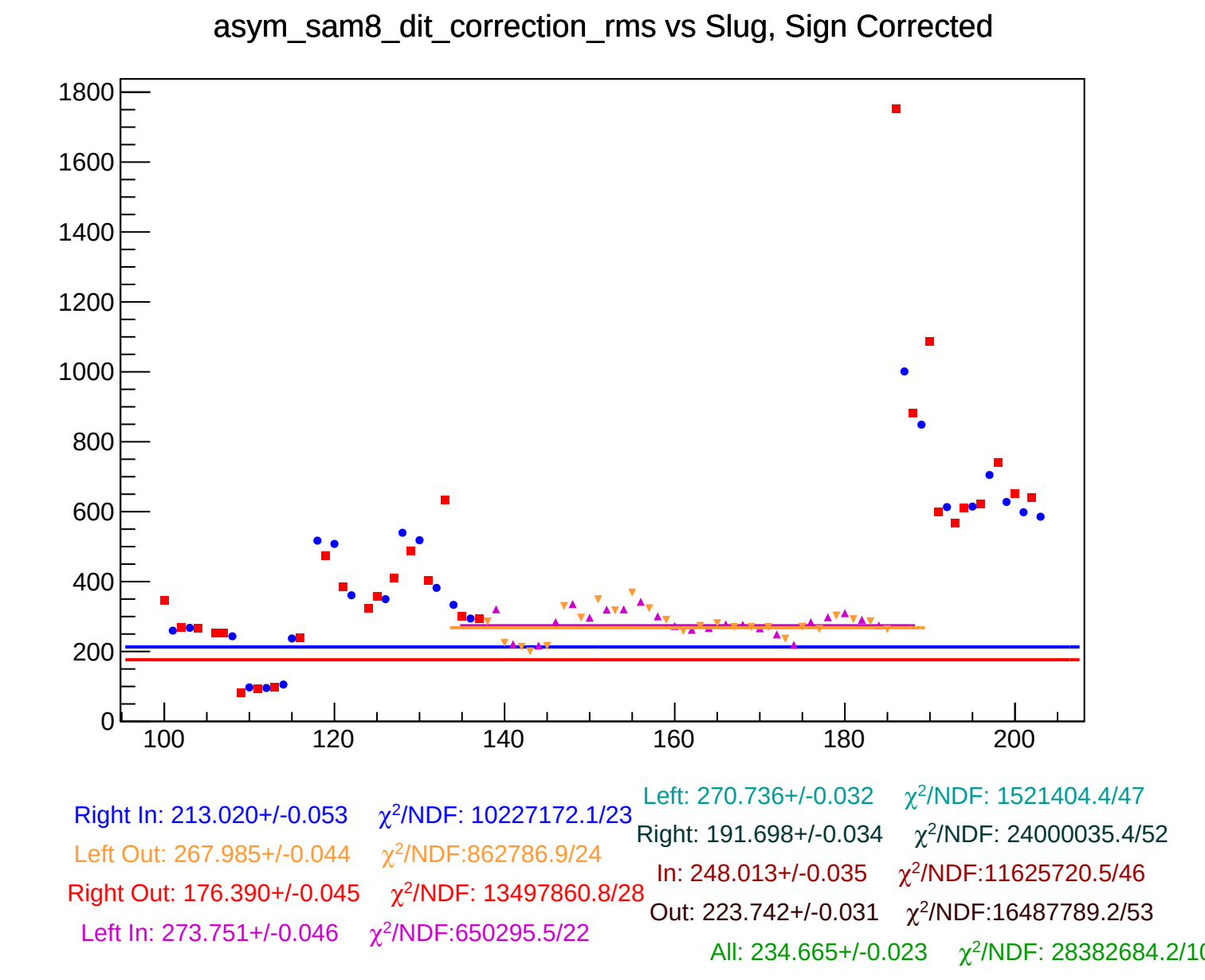
Left: -120.551+/-44.641 χ^2/NDF: 96.2/47

Right: -22.087+/-48.722 χ^2/NDF: 51.0/52

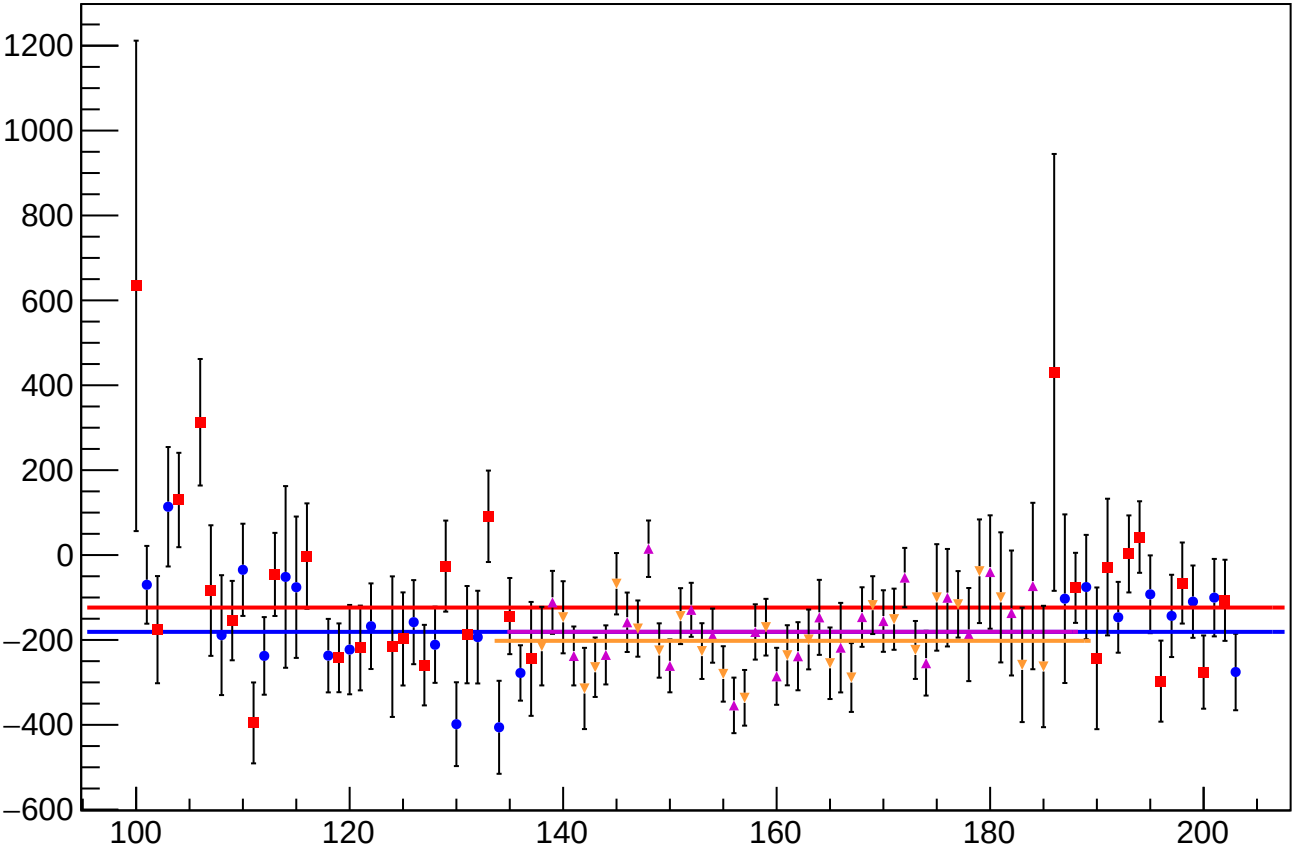
In: -6.725+/-49.064 χ^2/NDF:55.1/46

Out: -131.984+/-44.382 χ^2/NDF:90.8/53

All: -75.614+/-32.914 χ^2/NDF: 149.4/100


asym_sam8_dit_correction_rms vs Slug, Sign Corrected
1800
1600
1400
1200
1000
800
600
400
200
0
100
120
140
160
180
200
Right In: 213.020+/-0.053 χ²/NDF: 10227172.1/23
Left Out: 267.985+/-0.044 χ²/NDF:862786.9/24
Right Out: 176.390+/-0.045 χ²/NDF: 13497860.8/28
Left In: 273.751+/-0.046 χ²/NDF:650295.5/22
Left: 270.736+/-0.032 χ²/NDF: 1521404.4/47
Right: 191.698+/-0.034 χ²/NDF: 24000035.4/52
In: 248.013+/-0.035 χ²/NDF:11625720.5/46
Out: 223.742+/-0.031 χ²/NDF:16487789.2/53
All: 234.665+/-0.023 χ²/NDF: 28382684.2/10

eigen_dit_asym_sam8_mean vs Slug, Sign Corrected



Right In: -180.949+/-20.512 χ^2/NDF: 25.6/23

Left Out: -202.090+/-15.538 χ^2/NDF:21.5/24

Right Out: -123.675+/-20.038 χ^2/NDF: 52.4/28

Left In: -180.785+/-16.019 χ^2/NDF:30.1/22

Left: -191.762+/-11.153 χ^2/NDF: 52.6/47

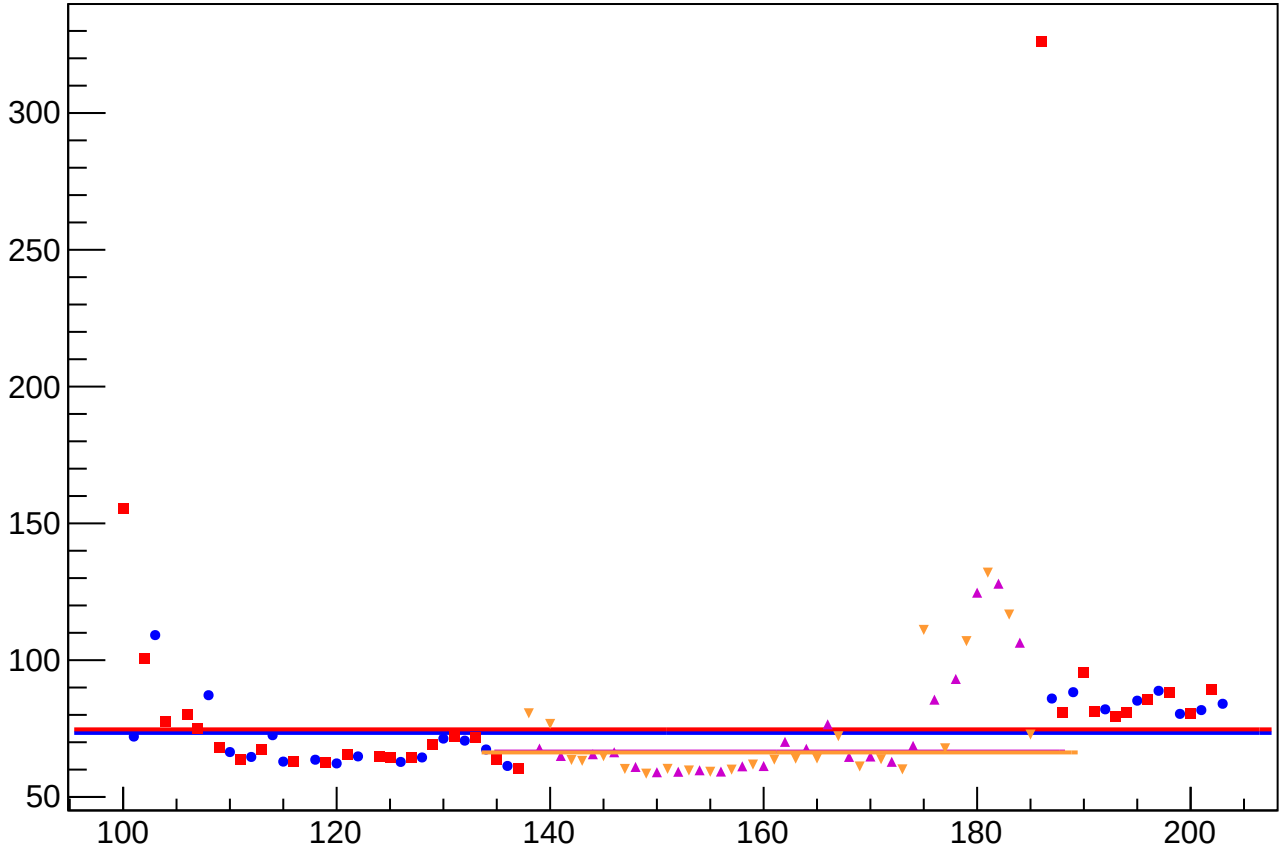
Right: -151.643+/-14.334 χ^2/NDF: 81.9/52

In: -180.847+/-12.625 χ^2/NDF:55.7/46

Out: -172.645+/-12.279 χ^2/NDF:83.4/53

All: -176.632+/-8.802 χ^2/NDF: 139.4/100

eigen_dit_asym_sam8_rms vs Slug, Sign Corrected



Right In: 73.415+/-0.015 χ^2/NDF: 565888.6/23

Left Out: 66.279+/-0.011 χ^2/NDF:1393881.3/24

Right Out: 74.706+/-0.014 χ^2/NDF: 1023751.5/28

Left In: 66.585+/-0.011 χ^2/NDF:1158231.7/22

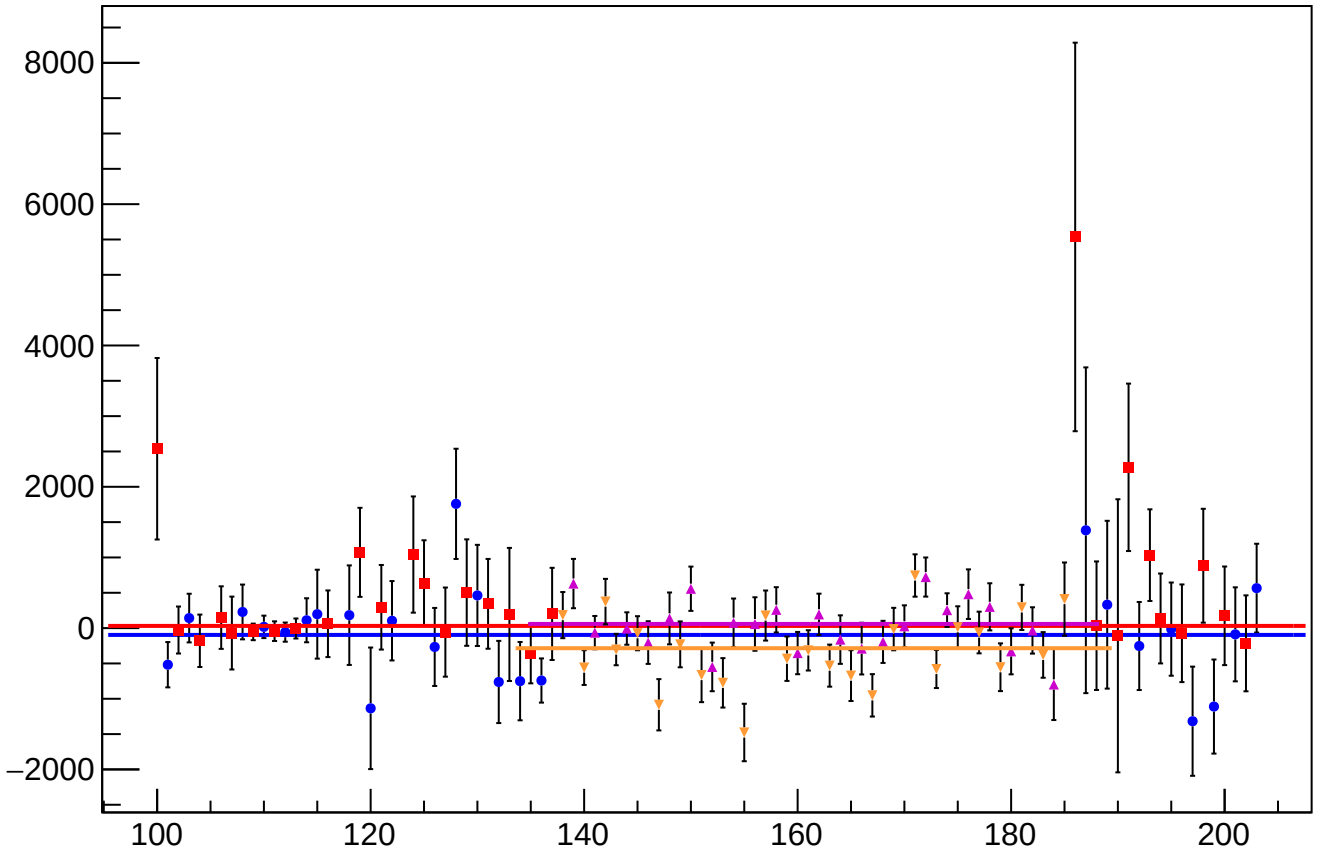
Left: 66.428+/-0.008 χ^2/NDF: 2552490.1/47

Right: 74.075+/-0.010 χ^2/NDF: 1593694.6/52

In: 69.173+/-0.009 χ^2/NDF:1861840.1/46

Out: 69.443+/-0.009 χ^2/NDF:2638533.6/53

All: 69.312+/-0.006 χ^2/NDF: 4500845.9/100



Right In: -96.301+/-75.367 χ^2/NDF: 25.8/23

Left Out: -284.450+/-61.727 χ^2/NDF:54.6/24

Right Out: 31.193+/-63.859 χ^2/NDF: 23.5/28

Left In: 59.160+/-64.636 χ^2/NDF:26.8/22

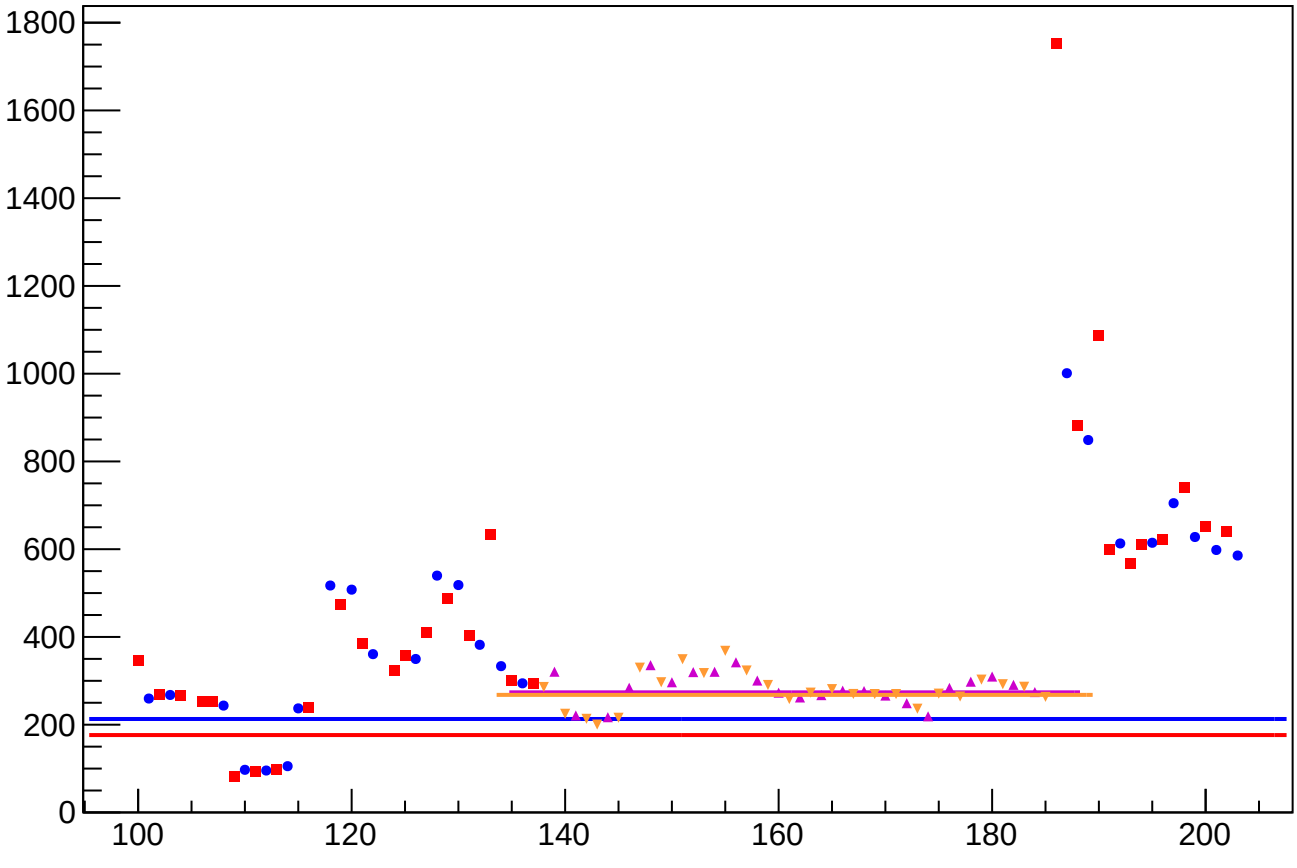
Left: -120.551+/-44.641 χ^2/NDF: 96.2/47

Right: -22.087+/-48.721 χ^2/NDF: 51.0/52

In: -6.724+/-49.064 χ^2/NDF:55.1/46

Out: -131.984+/-44.382 χ^2/NDF:90.8/53

All: -75.614+/-32.914 χ^2/NDF: 149.4/100



Right In: 213.019+/-0.053 χ^2/NDF: 10227223.7/23

Left Out: 267.985+/-0.044 χ^2/NDF:862797.1/24

Right Out: 176.390+/-0.045 χ^2/NDF: 13497842.1/28

Left In: 273.750+/-0.046 χ^2/NDF:650300.9/22

Left: 270.735+/-0.032 χ^2/NDF: 1521420.2/47

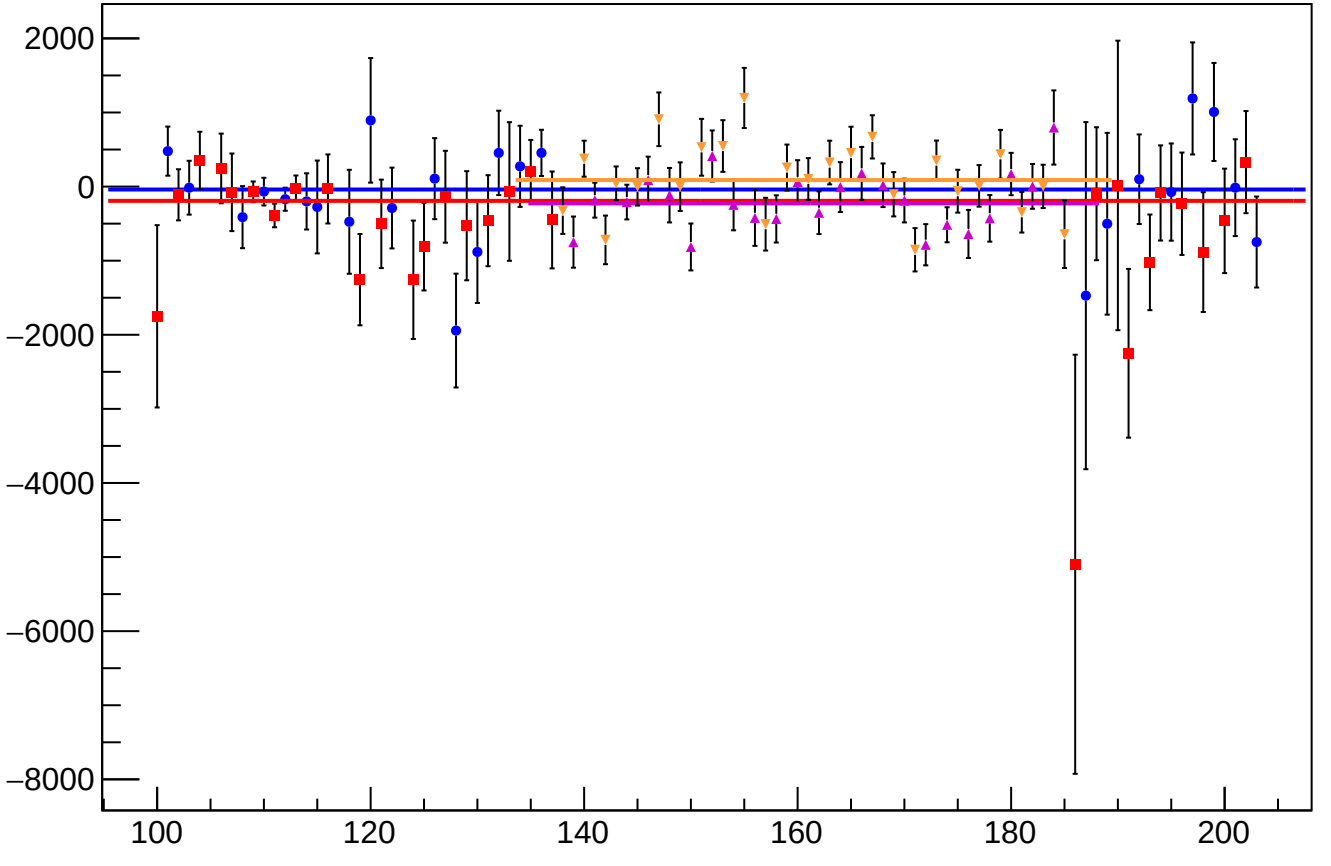
Right: 191.697+/-0.034 χ^2/NDF: 24000051.8/52

In: 248.012+/-0.035 χ^2/NDF:11625802.9/46

Out: 223.741+/-0.031 χ^2/NDF:16487768.0/53

All: 234.664+/-0.023 χ^2/NDF: 28382732.7/10

asym_sam8_mean vs Slug, Sign Corrected



Right In: -39.465+/-82.370 χ^2/NDF: 24.5/23

Left Out: 88.397+/-60.666 χ^2/NDF:52.2/24

Right Out: -192.499+/-71.672 χ^2/NDF: 25.0/28

Left In: -226.867+/-63.677 χ^2/NDF:28.8/22

Left: -61.606+/-43.923 χ^2/NDF: 93.9/47

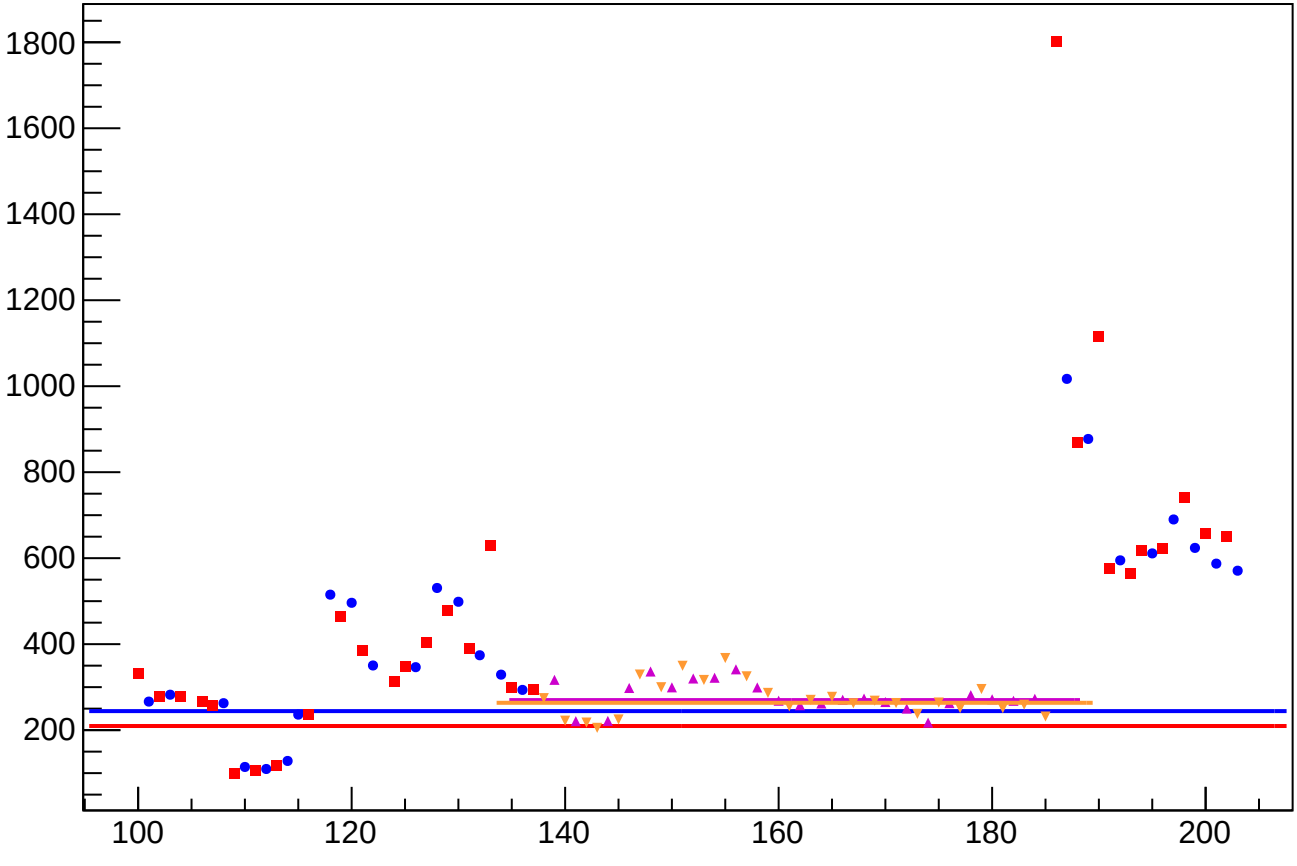
Right: -126.559+/-54.069 χ^2/NDF: 51.5/52

In: -156.766+/-50.379 χ^2/NDF:56.5/46

Out: -28.851+/-46.305 χ^2/NDF:86.2/53

All: -87.429+/-34.092 χ^2/NDF: 146.2/100

asym_sam8_rms vs Slug, Sign Corrected



Right In: 244.265+/-0.058 χ^2/NDF: 8580806.7/23

Left Out: 263.593+/-0.043 χ^2/NDF:779853.4/24

Right Out: 209.595+/-0.051 χ^2/NDF: 11695279.5/28

Left In: 269.898+/-0.045 χ^2/NDF:602244.3/22

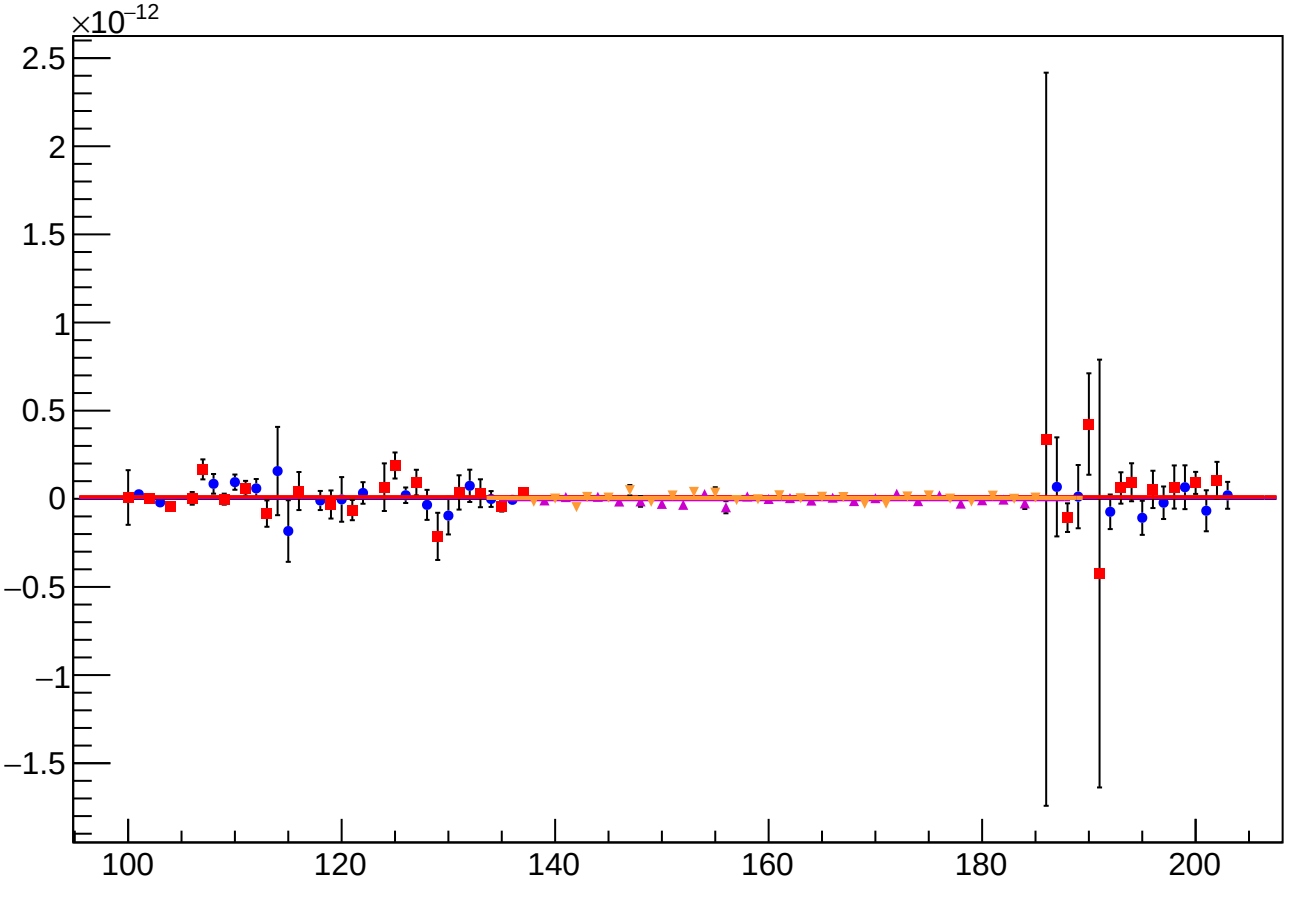
Left: 266.593+/-0.031 χ^2/NDF: 1392375.9/47

Right: 224.533+/-0.038 χ^2/NDF: 20477738.3/52

In: 260.309+/-0.036 χ^2/NDF:9304281.0/46

Out: 241.054+/-0.033 χ^2/NDF:13136517.2/53

All: 249.872+/-0.024 χ^2/NDF: 22599178.0/10



Right In: 0.000+/-0.000 χ^2/NDF: 16.6/23

Left Out: 0.000+/-0.000 χ^2/NDF:27.9/24

Right Out: 0.000+/-0.000 χ^2/NDF: 38.8/28

Left In: -0.000+/-0.000 χ^2/NDF:21.5/22

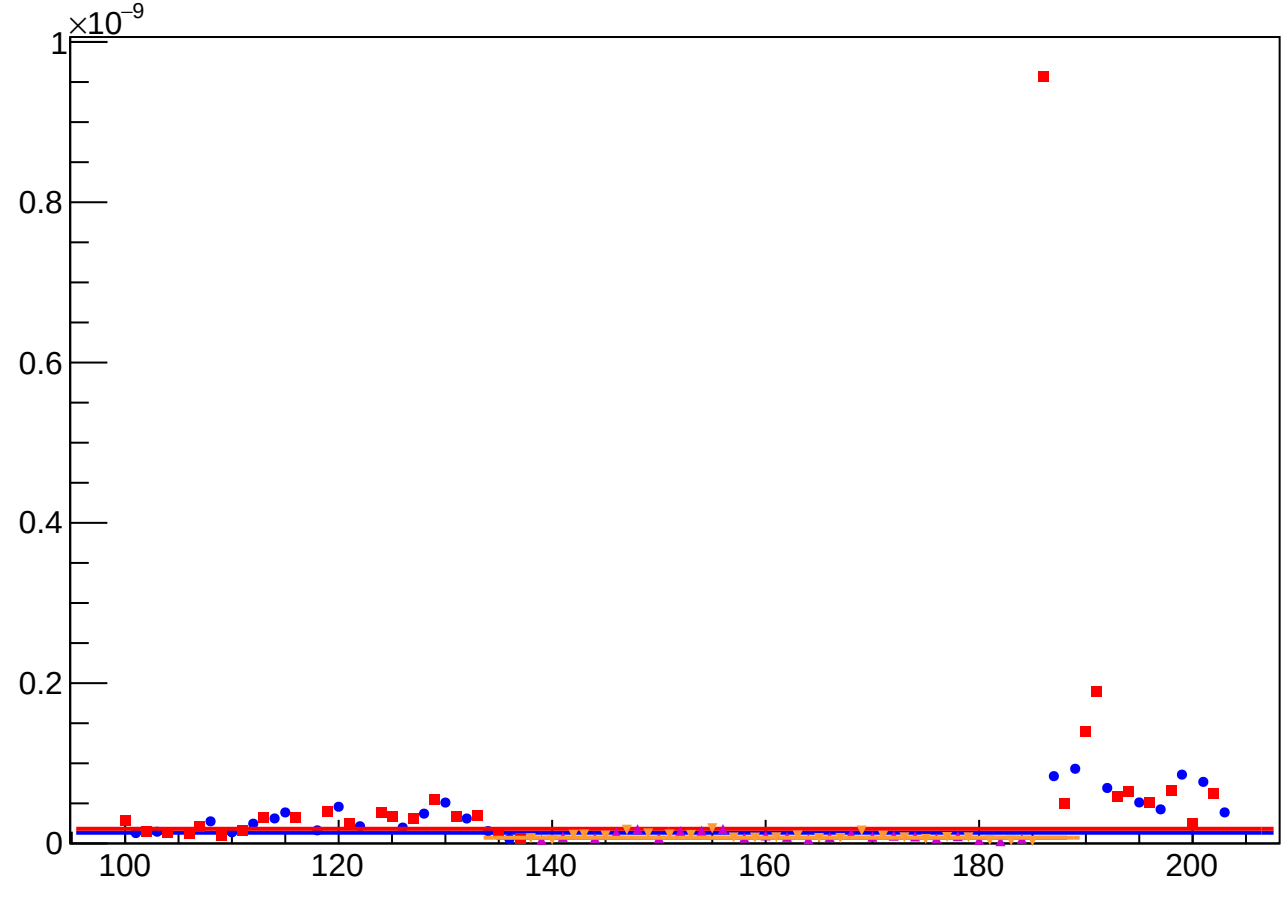
Left: 0.000+/-0.000 χ^2/NDF: 52.6/47

Right: 0.000+/-0.000 χ^2/NDF: 55.6/52

In: -0.000+/-0.000 χ^2/NDF:38.9/46

Out: 0.000+/-0.000 χ^2/NDF:66.9/53

All: 0.000+/-0.000 χ^2/NDF: 108.8/100



Right In: 0.000+/-0.000 χ^2/NDF: 5086353.6/23

Left Out: 0.000+/-0.000 χ^2/NDF:1952087.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 4348255.3/28

Left In: 0.000+/-0.000 χ^2/NDF:2053049.9/22

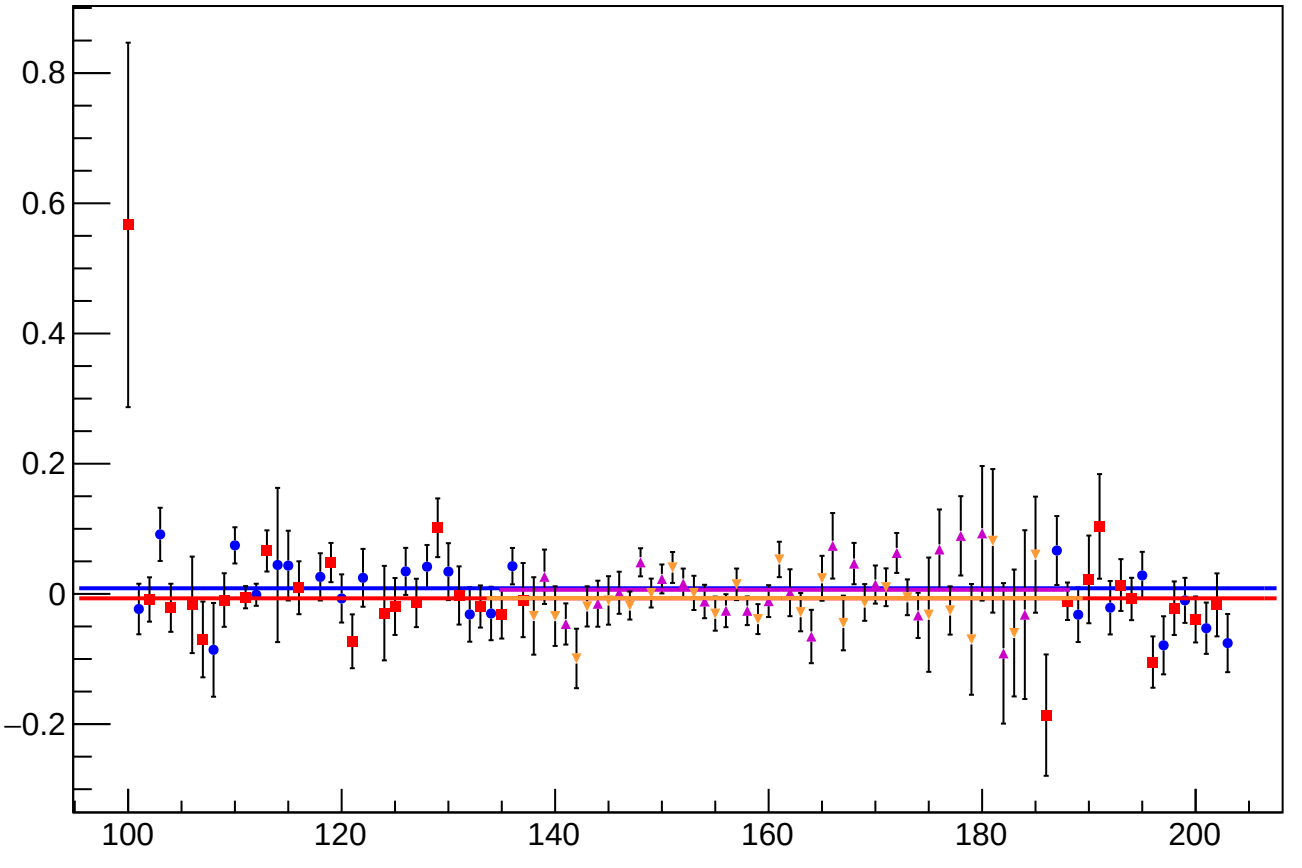
Left: 0.000+/-0.000 χ^2/NDF: 4005568.1/47

Right: 0.000+/-0.000 χ^2/NDF: 9739896.4/52

In: 0.000+/-0.000 χ^2/NDF:8195230.4/46

Out: 0.000+/-0.000 χ^2/NDF:8698176.3/53

All: 0.000+/-0.000 χ^2/NDF: 16898433.3/100



Right In: 0.009+/-0.007 χ^2/NDF: 31.7/23

Left Out: -0.006+/-0.006 χ^2/NDF:22.6/24

Right Out: -0.007+/-0.007 χ^2/NDF: 36.7/28

Left In: 0.006+/-0.007 χ^2/NDF:28.4/22

Left: -0.000+/-0.005 χ^2/NDF: 52.9/47

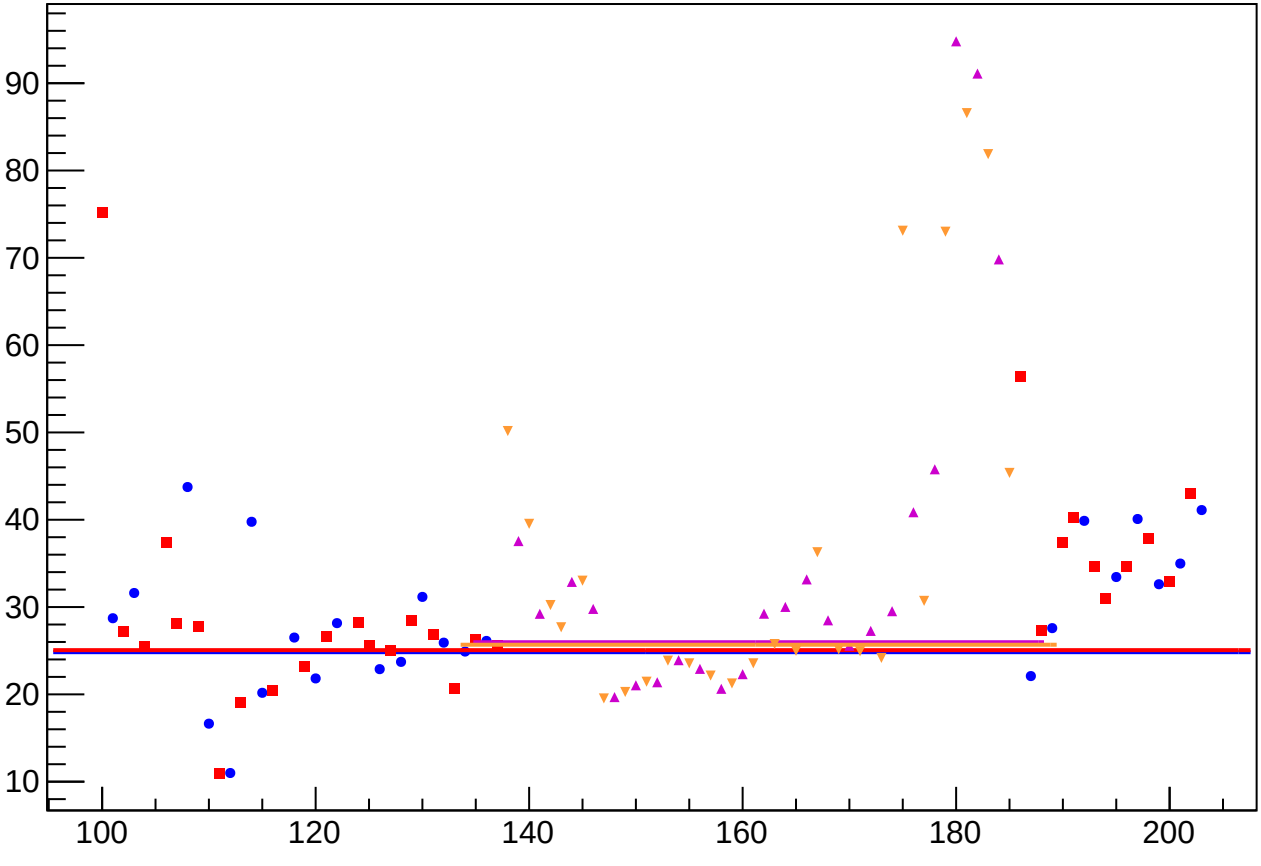
Right: 0.001+/-0.005 χ^2/NDF: 70.7/52

In: 0.007+/-0.005 χ^2/NDF:60.2/46

Out: -0.007+/-0.005 χ^2/NDF:59.3/53

All: 0.000+/-0.003 χ^2/NDF: 123.6/100

asym_sam8_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 24.832+/-0.005 χ^2/NDF: 2973301.4/23

Left Out: 25.685+/-0.005 χ^2/NDF:3871541.1/24

Right Out: 25.065+/-0.005 χ^2/NDF: 2932252.5/28

Left In: 25.972+/-0.005 χ^2/NDF:3118335.6/22

Left: 25.823+/-0.003 χ^2/NDF: 6991814.9/47

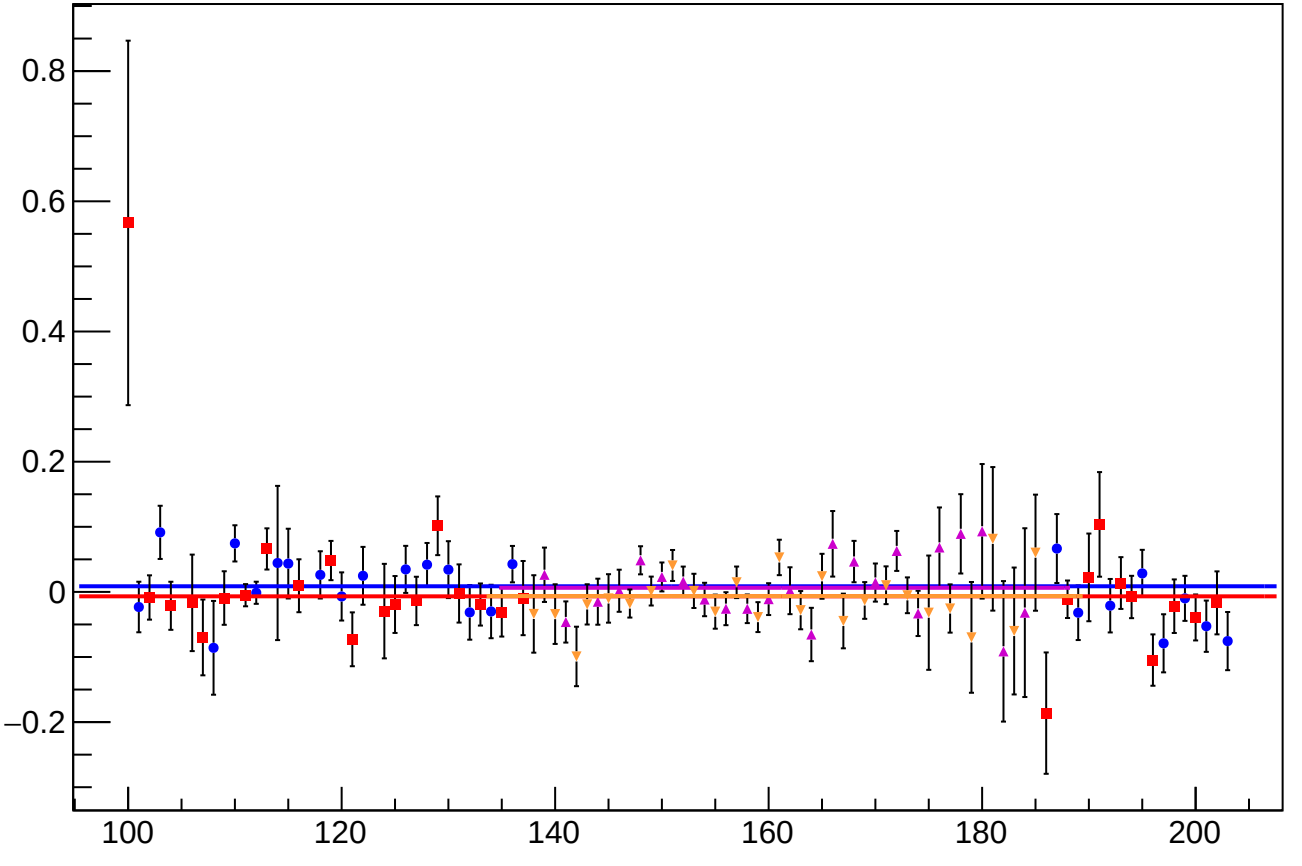
Right: 24.953+/-0.004 χ^2/NDF: 5906568.5/52

In: 25.468+/-0.004 χ^2/NDF:6117759.3/46

Out: 25.409+/-0.003 χ^2/NDF:6812152.5/53

All: 25.438+/-0.002 χ^2/NDF: 12930059.2/100

asym_sam8_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.009+/-0.007 χ^2/NDF: 31.7/23

Left Out: -0.006+/-0.006 χ^2/NDF:22.6/24

Right Out: -0.007+/-0.007 χ^2/NDF: 36.7/28

Left In: 0.006+/-0.007 χ^2/NDF:28.4/22

Left: -0.000+/-0.005 χ^2/NDF: 52.9/47

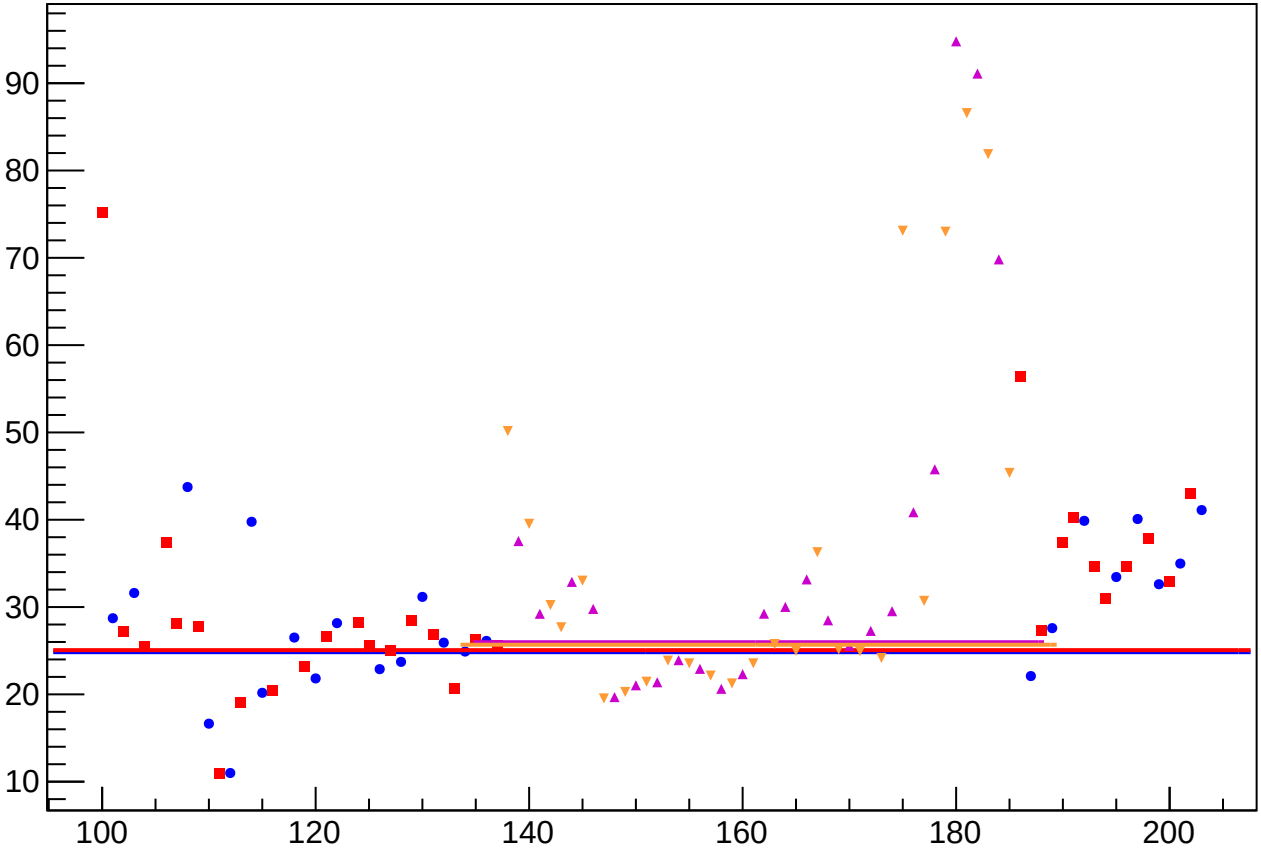
Right: 0.001+/-0.005 χ^2/NDF: 70.7/52

In: 0.007+/-0.005 χ^2/NDF:60.2/46

Out: -0.007+/-0.005 χ^2/NDF:59.3/53

All: 0.000+/-0.003 χ^2/NDF: 123.6/100

asym_sam8_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 24.832+/-0.005 χ^2/NDF: 2973301.4/23

Left Out: 25.685+/-0.005 χ^2/NDF:3871541.1/24

Right Out: 25.065+/-0.005 χ^2/NDF: 2932252.5/28

Left In: 25.972+/-0.005 χ^2/NDF:3118335.6/22

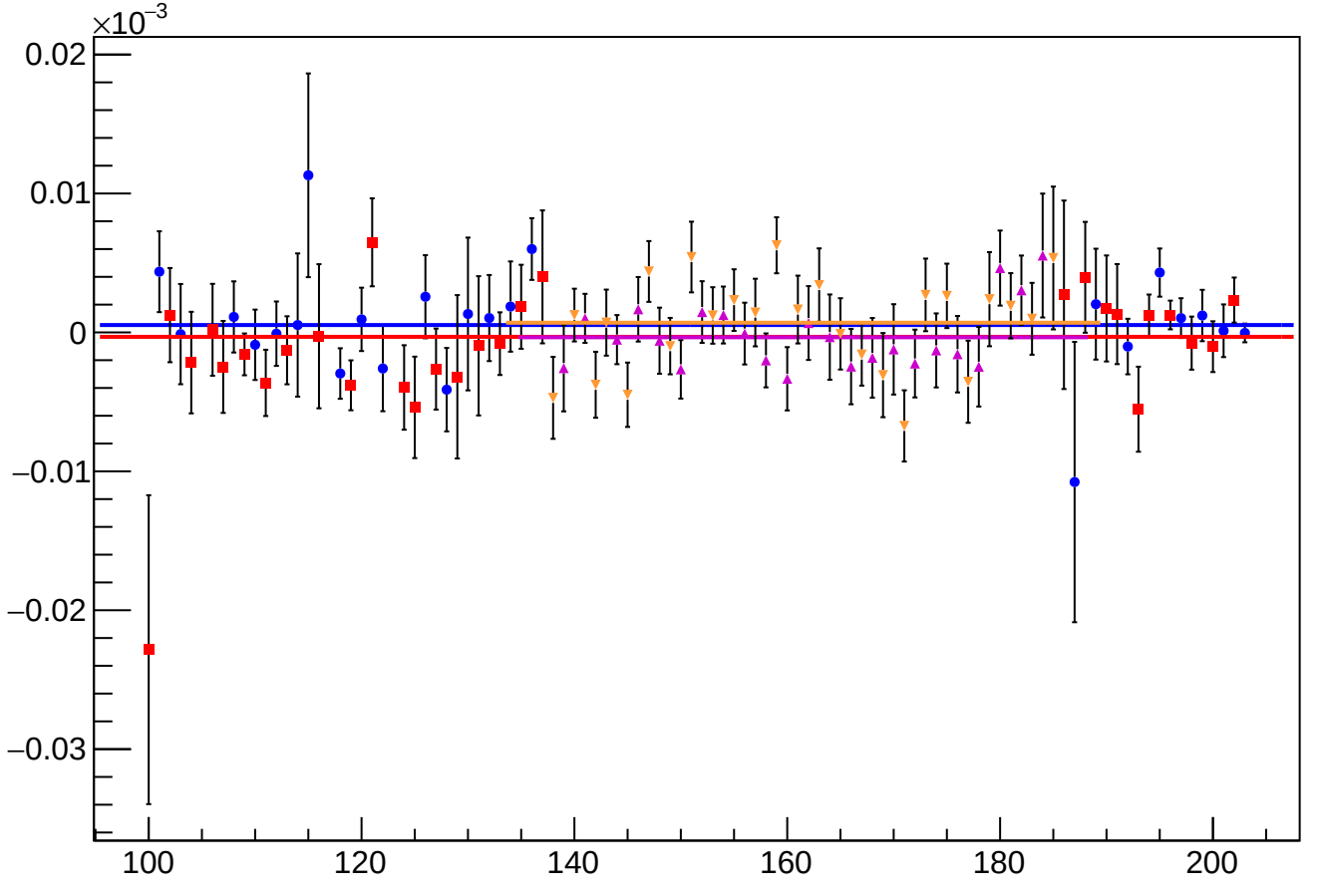
Left: 25.823+/-0.003 χ^2/NDF: 6991814.9/47

Right: 24.953+/-0.004 χ^2/NDF: 5906568.5/52

In: 25.468+/-0.004 χ^2/NDF:6117759.3/46

Out: 25.409+/-0.003 χ^2/NDF:6812152.5/53

All: 25.438+/-0.002 χ^2/NDF: 12930059.2/100



Right In: 0.000+/-0.000 χ^2/NDF: 26.0/23

Left Out: 0.000+/-0.000 χ^2/NDF:44.3/24

Right Out: -0.000+/-0.000 χ^2/NDF: 32.8/28

Left In: -0.000+/-0.000 χ^2/NDF:16.4/22

Left: 0.000+/-0.000 χ^2/NDF: 62.9/47

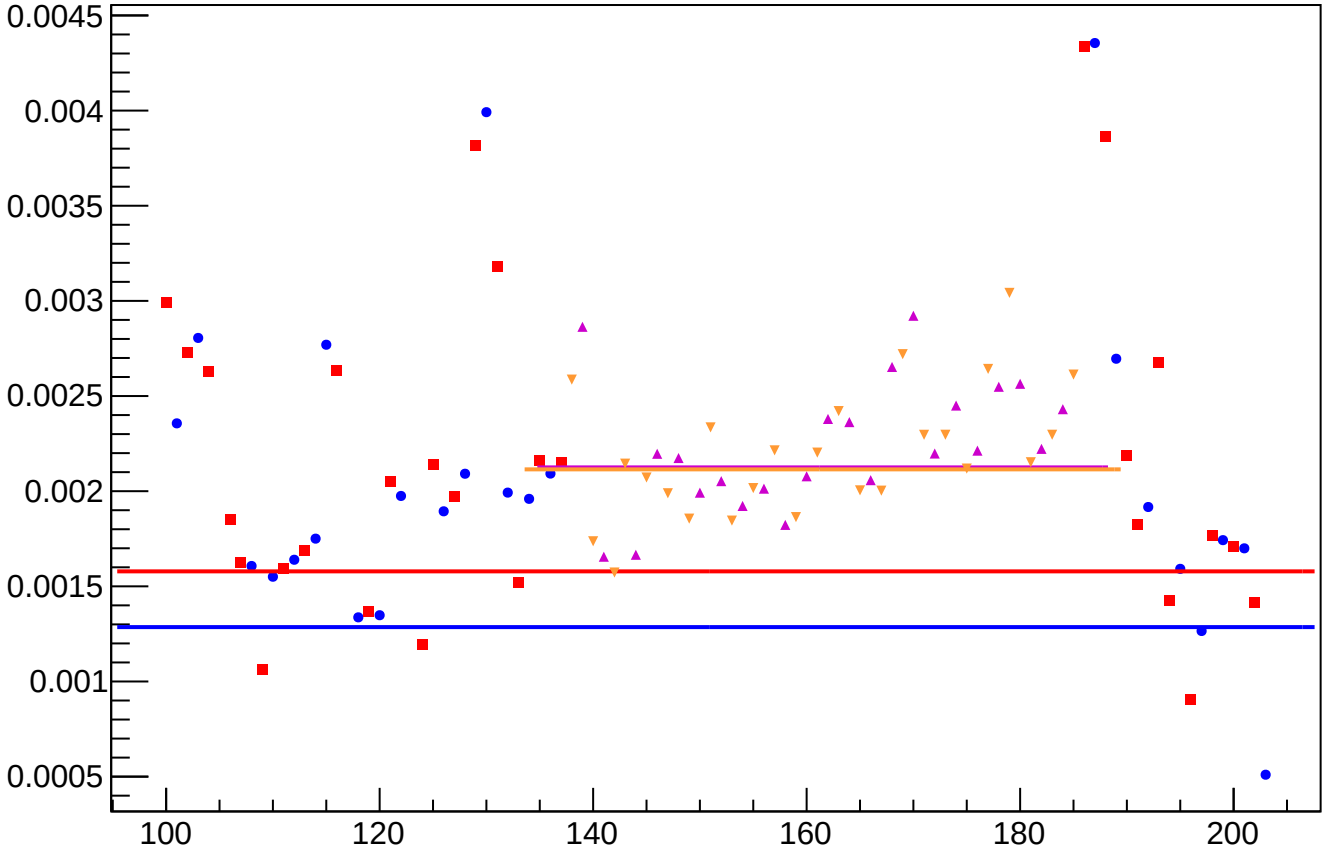
Right: 0.000+/-0.000 χ^2/NDF: 60.8/52

In: 0.000+/-0.000 χ^2/NDF:44.2/46

Out: 0.000+/-0.000 χ^2/NDF:79.5/53

All: 0.000+/-0.000 χ^2/NDF: 123.7/100

asym_sam8_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.001+/-0.000 χ^2/NDF: 5659567.2/23

Left Out: 0.002+/-0.000 χ^2/NDF:743658.4/24

Right Out: 0.002+/-0.000 χ^2/NDF: 3768798.6/28

Left In: 0.002+/-0.000 χ^2/NDF:837770.9/22

Left: 0.002+/-0.000 χ^2/NDF: 1581867.2/47

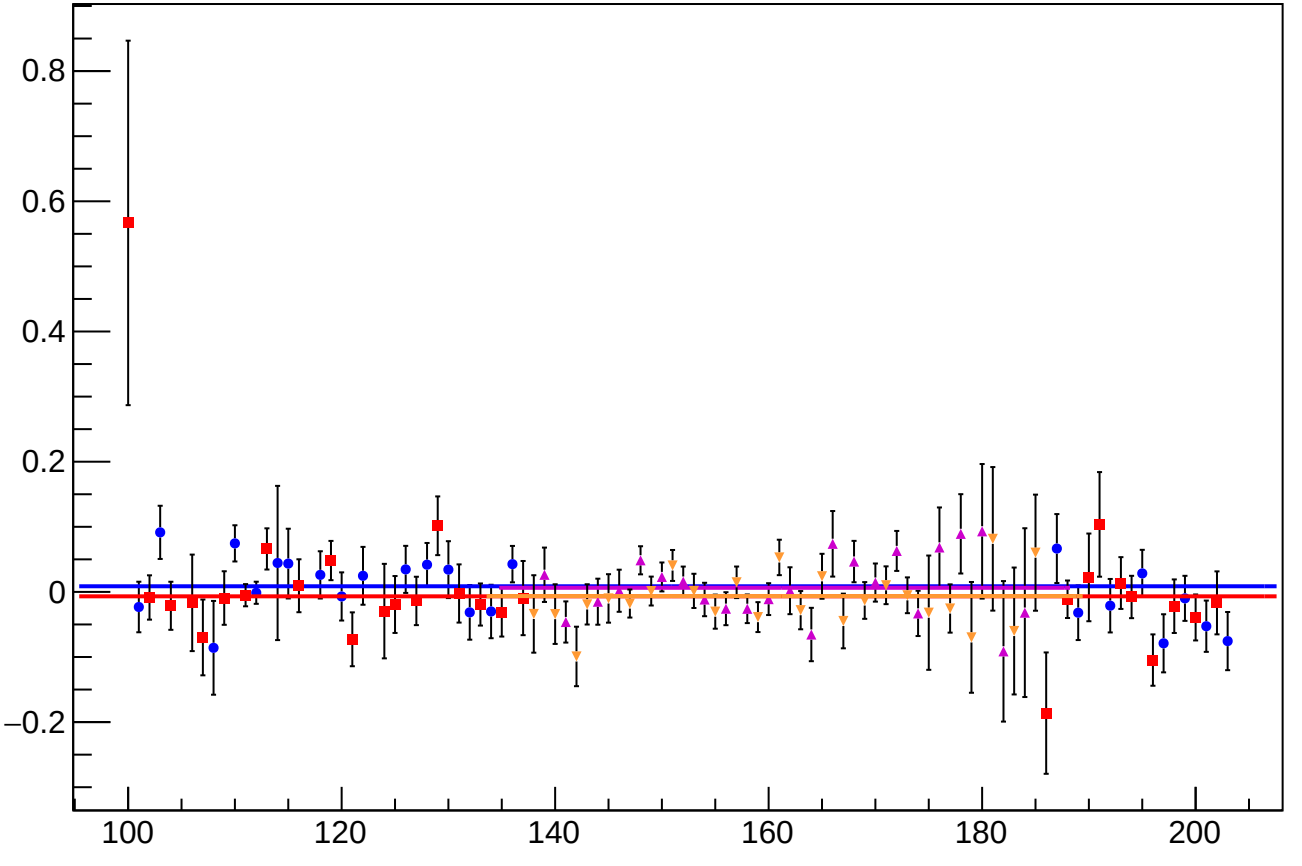
Right: 0.001+/-0.000 χ^2/NDF: 9892133.8/52

In: 0.002+/-0.000 χ^2/NDF:9831985.3/46

Out: 0.002+/-0.000 χ^2/NDF:5825168.5/53

All: 0.002+/-0.000 χ^2/NDF: 16052187.9/100

asym_sam8_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.009+/-0.007 χ^2/NDF: 31.7/23

Left Out: -0.006+/-0.006 χ^2/NDF:22.6/24

Right Out: -0.007+/-0.007 χ^2/NDF: 36.7/28

Left In: 0.006+/-0.007 χ^2/NDF:28.4/22

Left: -0.000+/-0.005 χ^2/NDF: 52.9/47

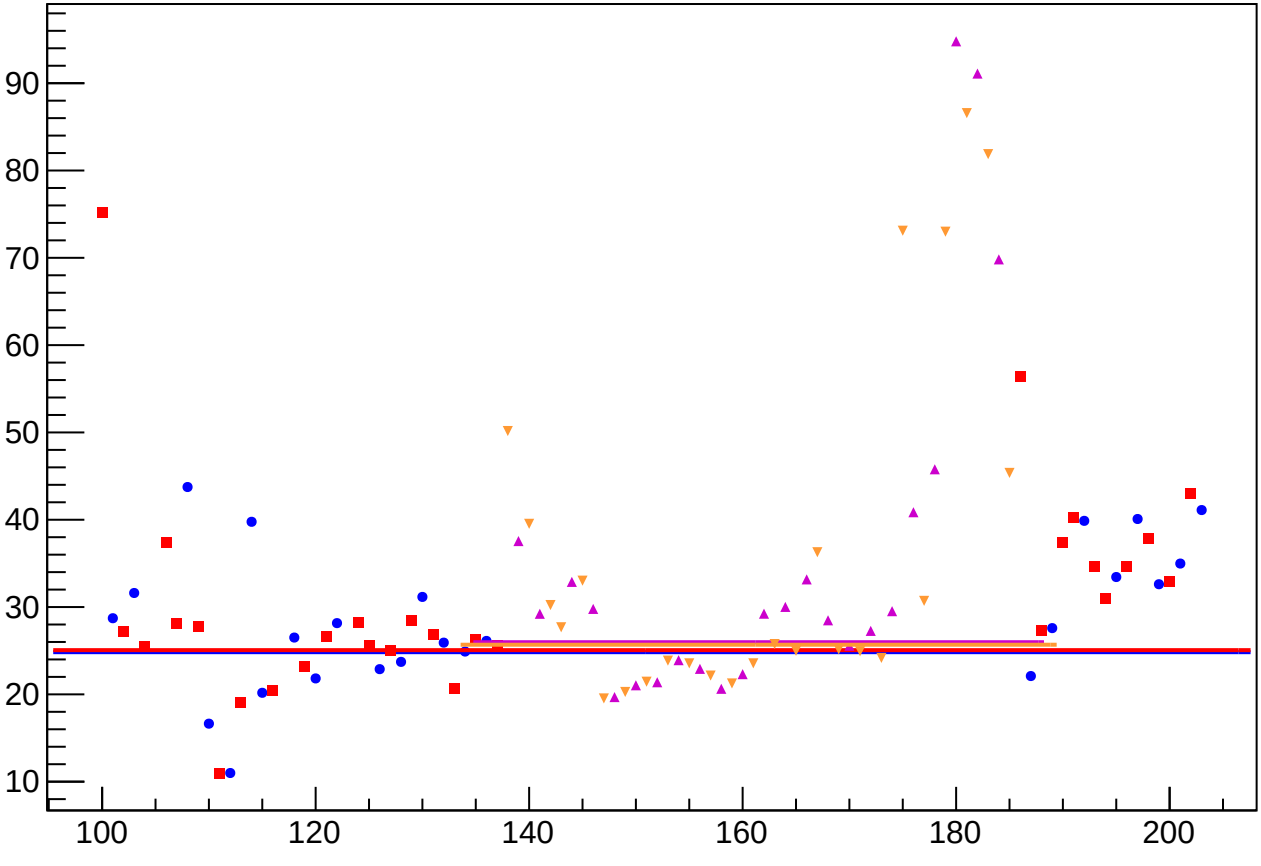
Right: 0.001+/-0.005 χ^2/NDF: 70.7/52

In: 0.007+/-0.005 χ^2/NDF:60.2/46

Out: -0.007+/-0.005 χ^2/NDF:59.3/53

All: 0.000+/-0.003 χ^2/NDF: 123.6/100

asym_sam8_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 24.832+/-0.005 χ^2/NDF: 2973559.4/23

Left Out: 25.685+/-0.005 χ^2/NDF:3871544.4/24

Right Out: 25.064+/-0.005 χ^2/NDF: 2932508.6/28

Left In: 25.972+/-0.005 χ^2/NDF:3118315.0/22

Left: 25.823+/-0.003 χ^2/NDF: 6991798.2/47

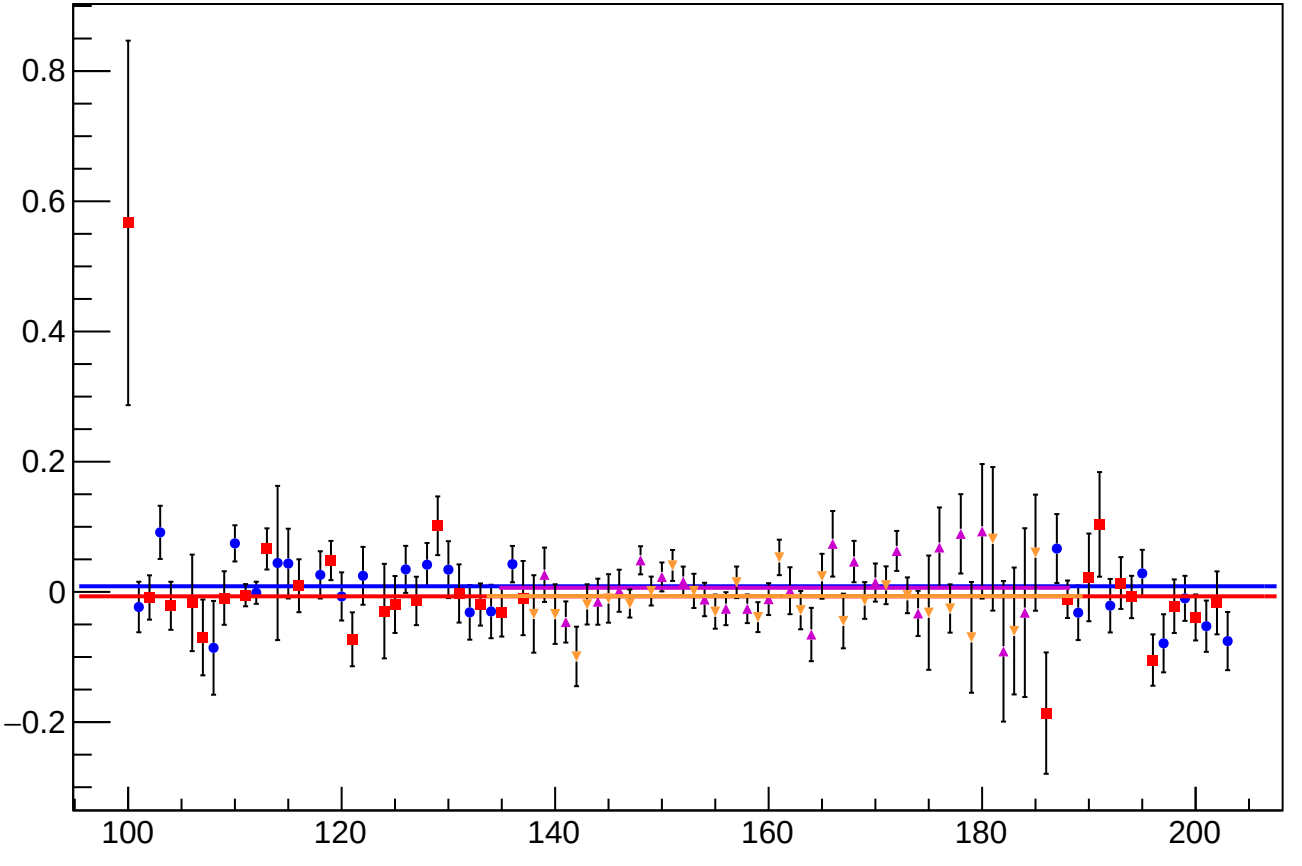
Right: 24.953+/-0.004 χ^2/NDF: 5907082.0/52

In: 25.468+/-0.004 χ^2/NDF:6118028.6/46

Out: 25.409+/-0.003 χ^2/NDF:6812431.8/53

All: 25.438+/-0.002 χ^2/NDF: 12930608.1/100

asym_sam8_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.009+/-0.007 χ^2/NDF: 31.7/23

Left Out: -0.006+/-0.006 χ^2/NDF:22.6/24

Right Out: -0.007+/-0.007 χ^2/NDF: 36.7/28

Left In: 0.006+/-0.007 χ^2/NDF:28.4/22

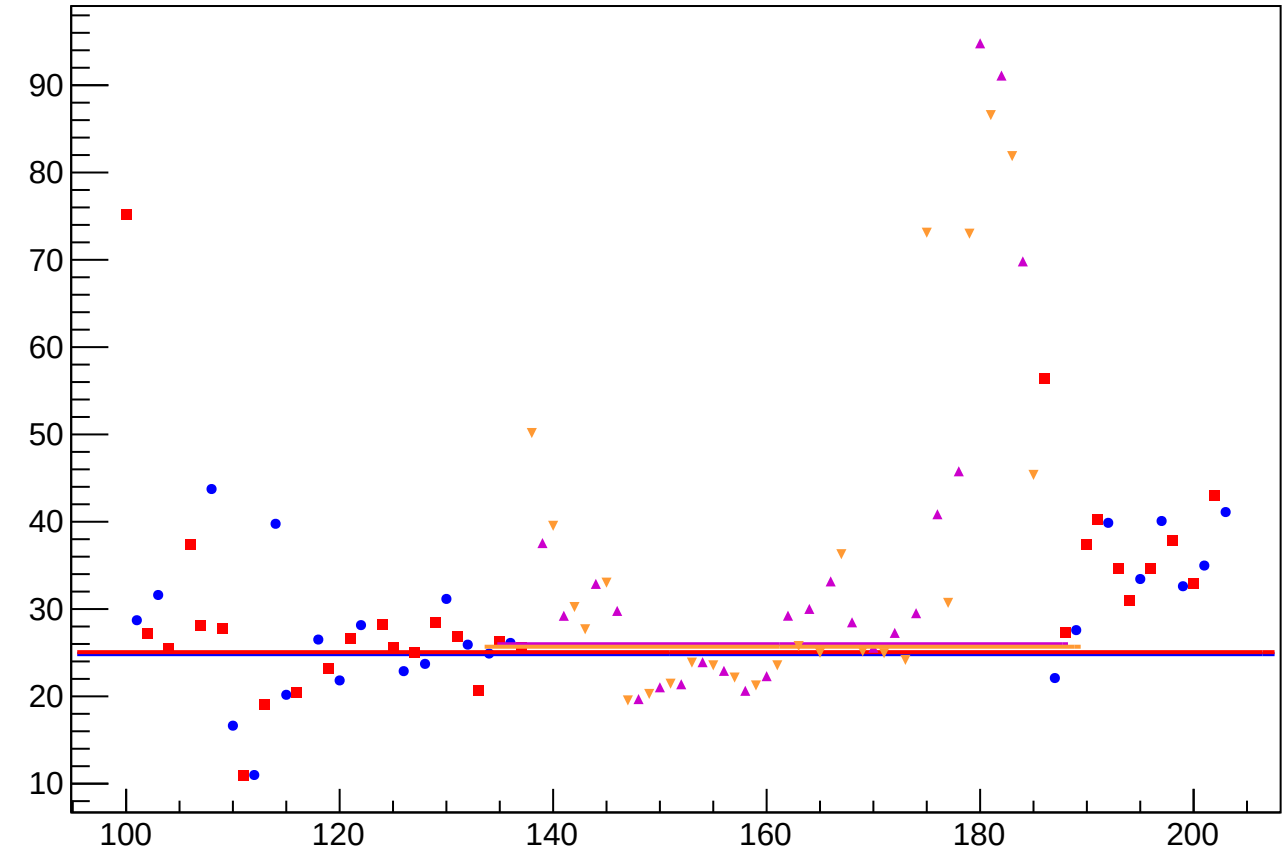
Left: -0.000+/-0.005 χ^2/NDF: 52.9/47

Right: 0.001+/-0.005 χ^2/NDF: 70.7/52

In: 0.007+/-0.005 χ^2/NDF:60.2/46

Out: -0.007+/-0.005 χ^2/NDF:59.3/53

All: 0.000+/-0.003 χ^2/NDF: 123.6/100



Right In: 24.832+/-0.005 χ^2/NDF: 2973559.4/23

Left Out: 25.685+/-0.005 χ^2/NDF:3871544.4/24

Right Out: 25.064+/-0.005 χ^2/NDF: 2932508.6/28

Left In: 25.972+/-0.005 χ^2/NDF:3118315.0/22

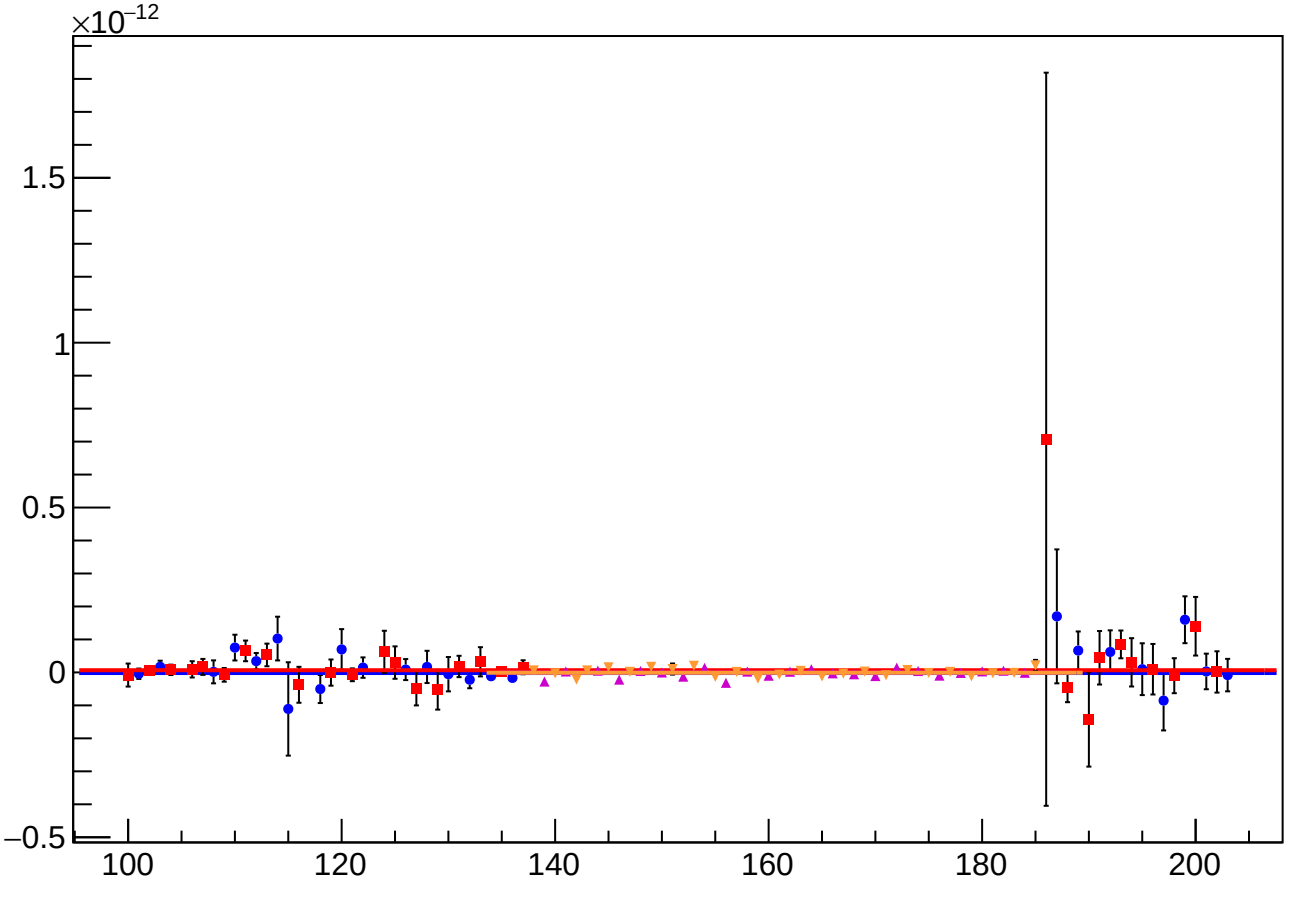
Left: 25.823+/-0.003 χ^2/NDF: 6991798.2/47

Right: 24.953+/-0.004 χ^2/NDF: 5907082.0/52

In: 25.468+/-0.004 χ^2/NDF:6118028.6/46

Out: 25.409+/-0.003 χ^2/NDF:6812431.8/53

All: 25.438+/-0.002 χ^2/NDF: 12930608.1/100



Right In: -0.000+/-0.000 χ^2/NDF: 26.4/23

Left Out: -0.000+/-0.000 χ^2/NDF:28.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 20.3/28

Left In: -0.000+/-0.000 χ^2/NDF:29.7/22

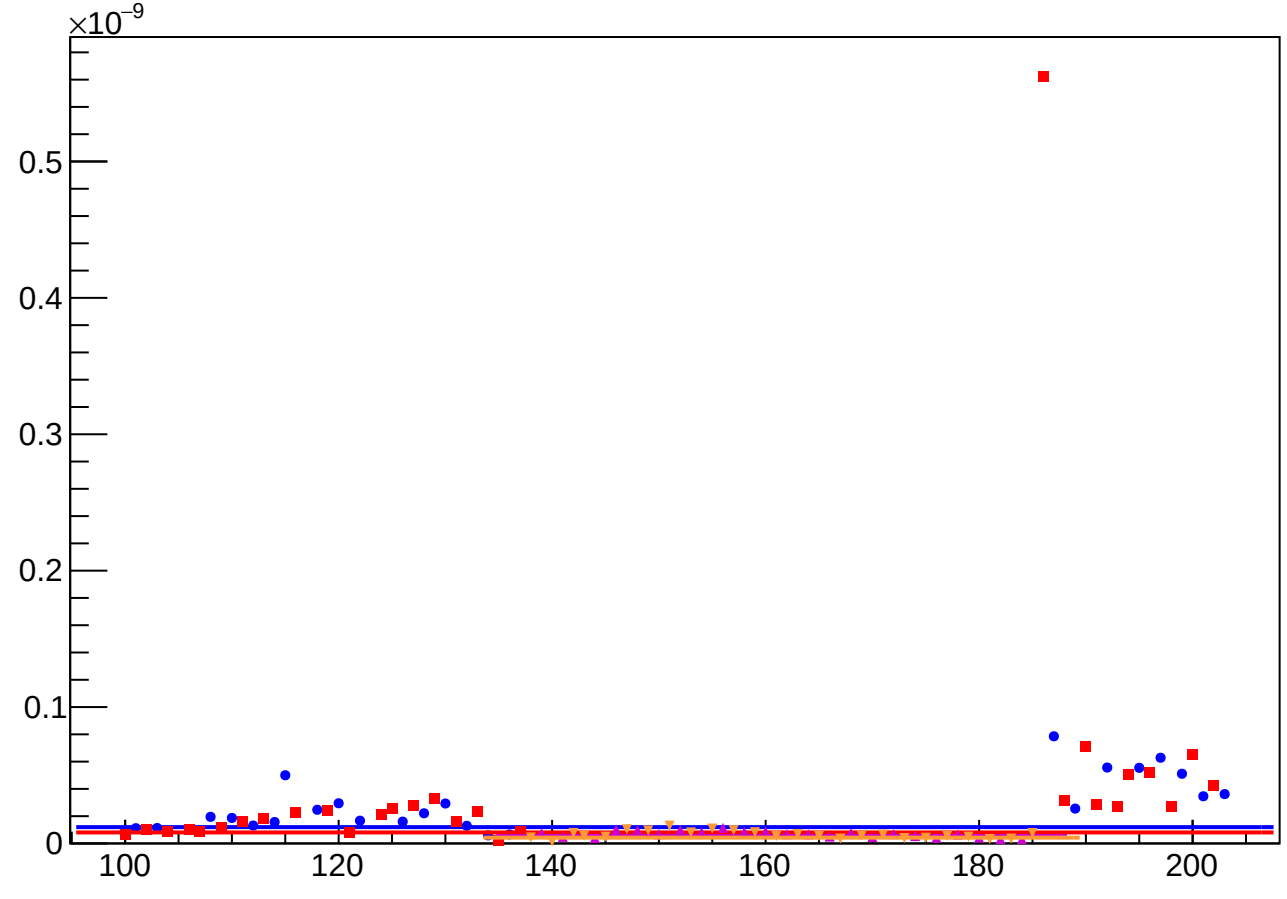
Left: -0.000+/-0.000 χ^2/NDF: 58.5/47

Right: 0.000+/-0.000 χ^2/NDF: 48.3/52

In: -0.000+/-0.000 χ^2/NDF:56.1/46

Out: -0.000+/-0.000 χ^2/NDF:52.0/53

All: -0.000+/-0.000 χ^2/NDF: 108.2/100



Right In: 0.000+/-0.000 χ^2/NDF: 6029953.3/23

Left Out: 0.000+/-0.000 χ^2/NDF:5399109.9/24

Right Out: 0.000+/-0.000 χ^2/NDF: 9184062.8/28

Left In: 0.000+/-0.000 χ^2/NDF:2811616.7/22

Left: 0.000+/-0.000 χ^2/NDF: 8813295.5/47

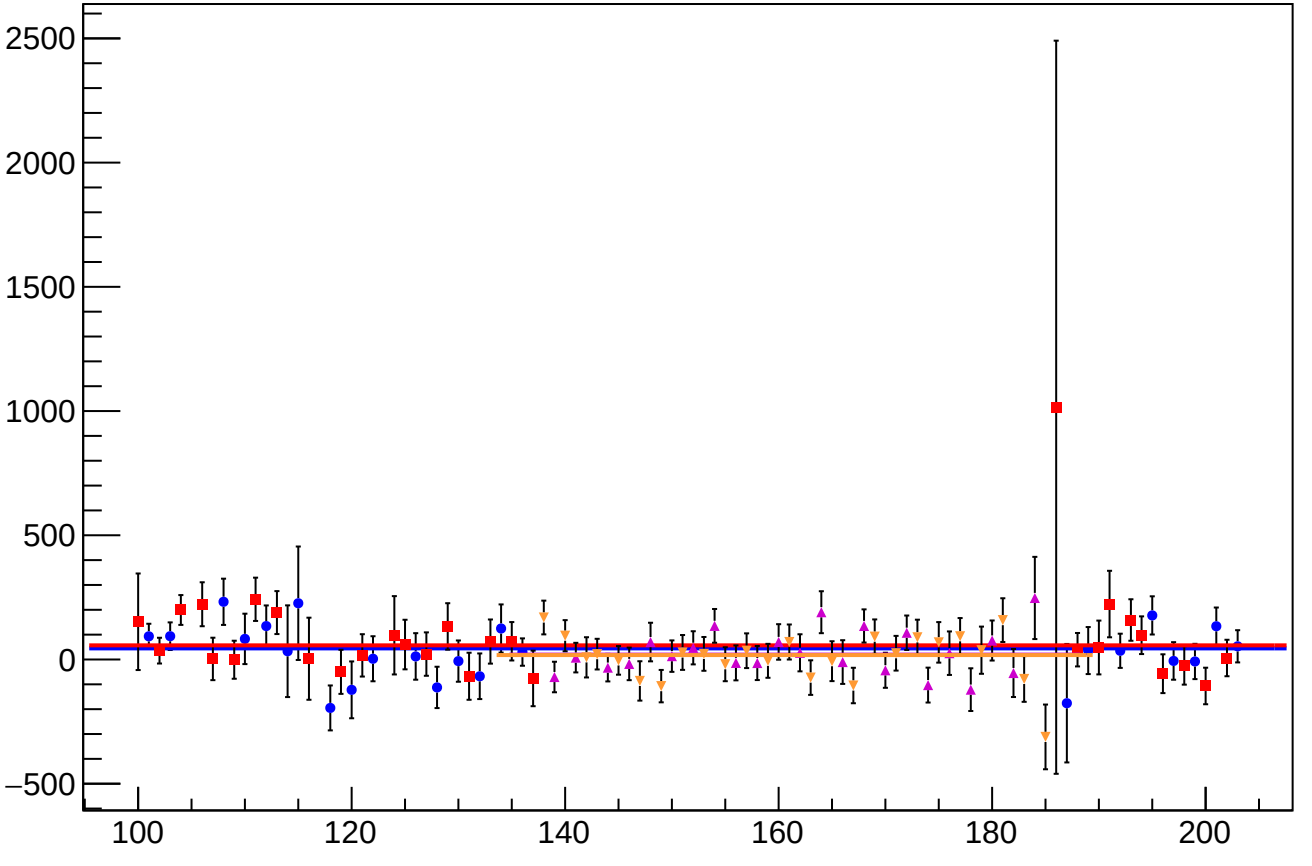
Right: 0.000+/-0.000 χ^2/NDF: 15861449.2/52

In: 0.000+/-0.000 χ^2/NDF:11536535.1/46

Out: 0.000+/-0.000 χ^2/NDF:16052015.9/53

All: 0.000+/-0.000 χ^2/NDF: 28507386.0/100

reg_asym_sam_15_avg_mean vs Slug, Sign Corrected



Right In: 44.629+/-16.447 χ^2/NDF: 29.7/23

Left Out: 17.800+/-14.495 χ^2/NDF:31.6/24

Right Out: 56.915+/-15.949 χ^2/NDF: 35.7/28

Left In: 19.642+/-15.040 χ^2/NDF:26.2/22

Left: 18.687+/-10.437 χ^2/NDF: 57.8/47

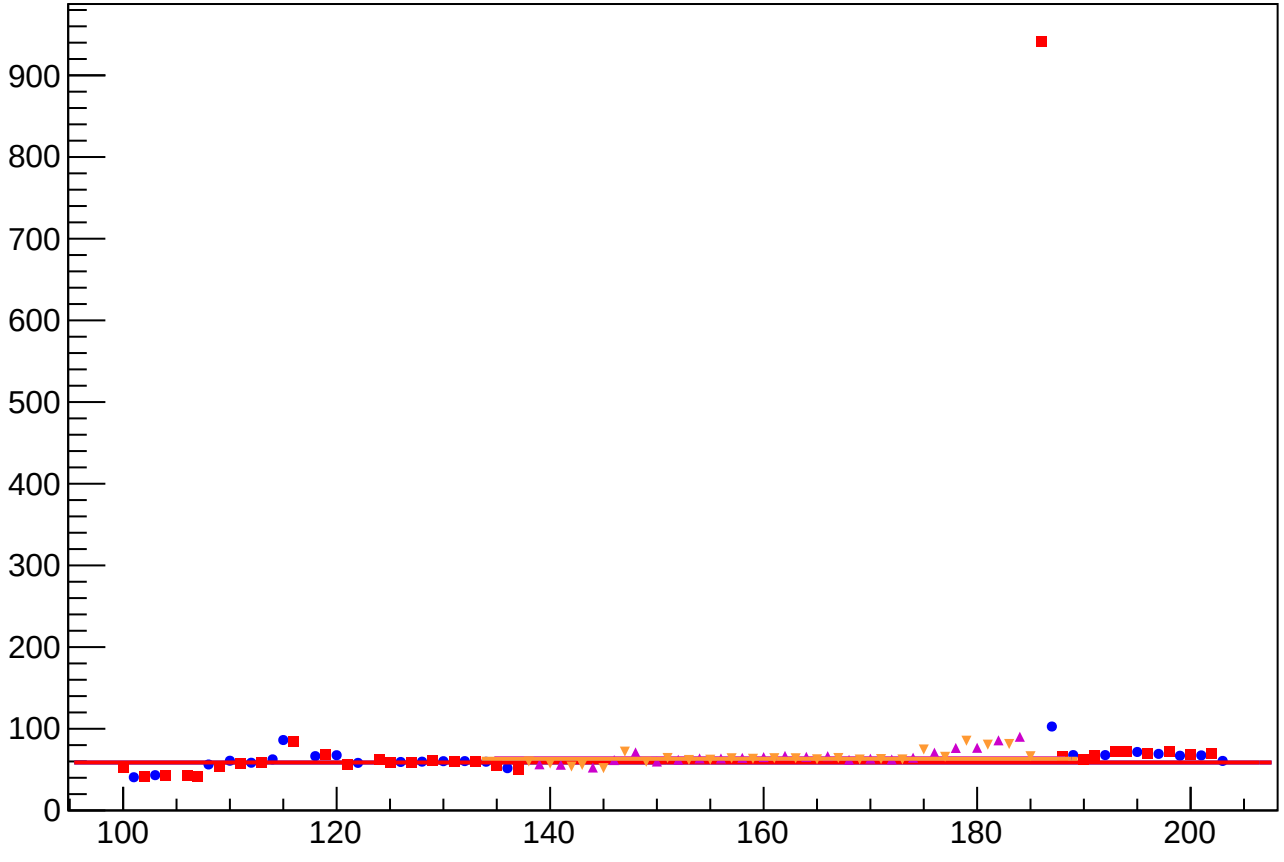
Right: 50.960+/-11.450 χ^2/NDF: 65.7/52

In: 31.022+/-11.099 χ^2/NDF:57.2/46

Out: 35.493+/-10.727 χ^2/NDF:70.6/53

All: 33.334+/-7.713 χ^2/NDF: 127.8/100

reg_asym_sam_15_avg_rms vs Slug, Sign Corrected



Right In: 58.673+/-0.012 χ^2/NDF: 776407.3/23

Left Out: 63.312+/-0.010 χ^2/NDF:497429.6/24

Right Out: 58.750+/-0.011 χ^2/NDF: 1646739.4/28

Left In: 63.918+/-0.011 χ^2/NDF:445309.5/22

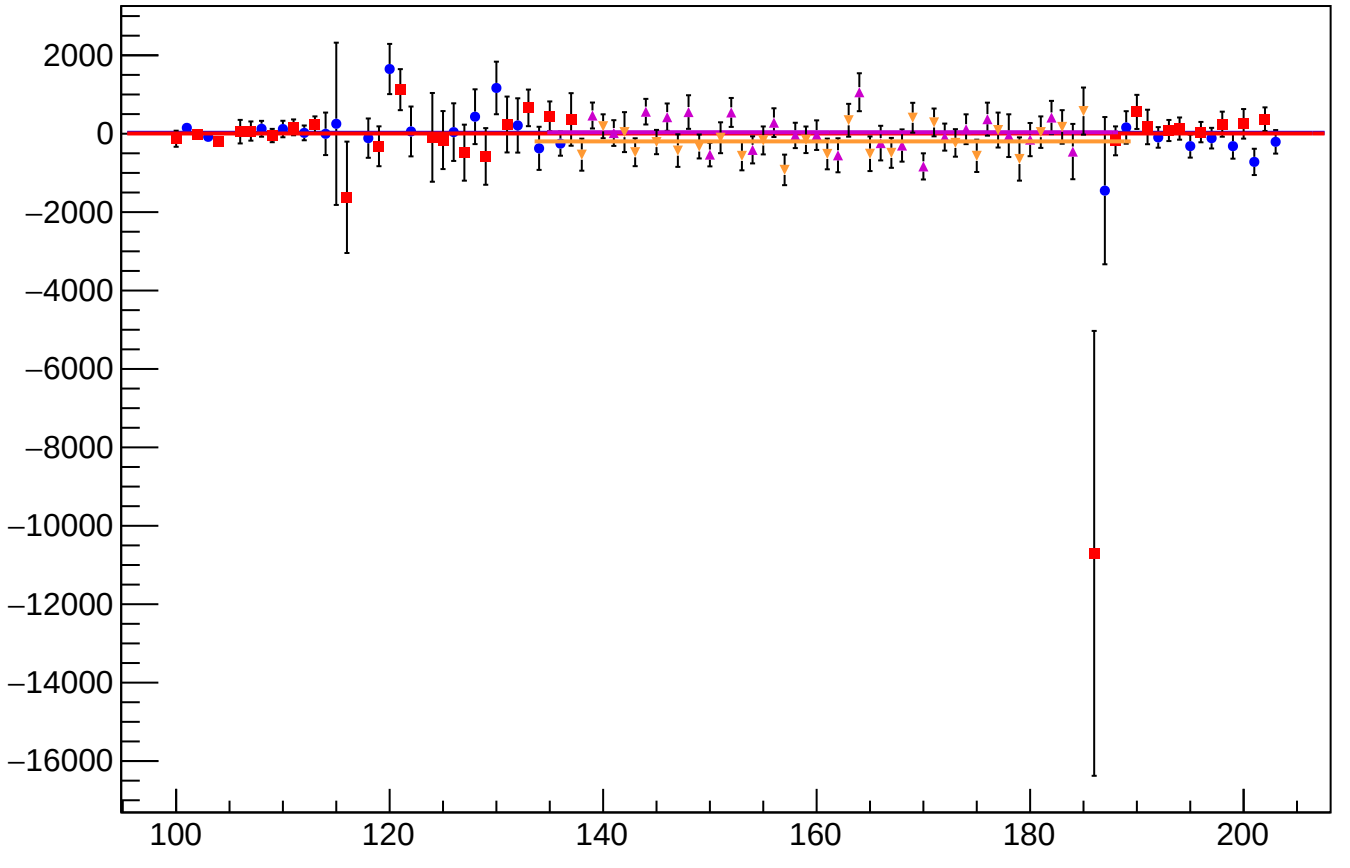
Left: 63.604+/-0.007 χ^2/NDF: 944421.1/47

Right: 58.713+/-0.008 χ^2/NDF: 2423169.2/52

In: 61.530+/-0.008 χ^2/NDF:1332490.2/46

Out: 61.249+/-0.008 χ^2/NDF:2233805.2/53

All: 61.384+/-0.005 χ^2/NDF: 3566958.1/100



Right In: 23.204+/-43.060 χ^2/NDF: 25.7/23

Left Out: -195.947+/-77.088 χ^2/NDF:20.6/24

Right Out: 5.700+/-45.539 χ^2/NDF: 26.7/28

Left In: 36.417+/-79.210 χ^2/NDF:31.1/22

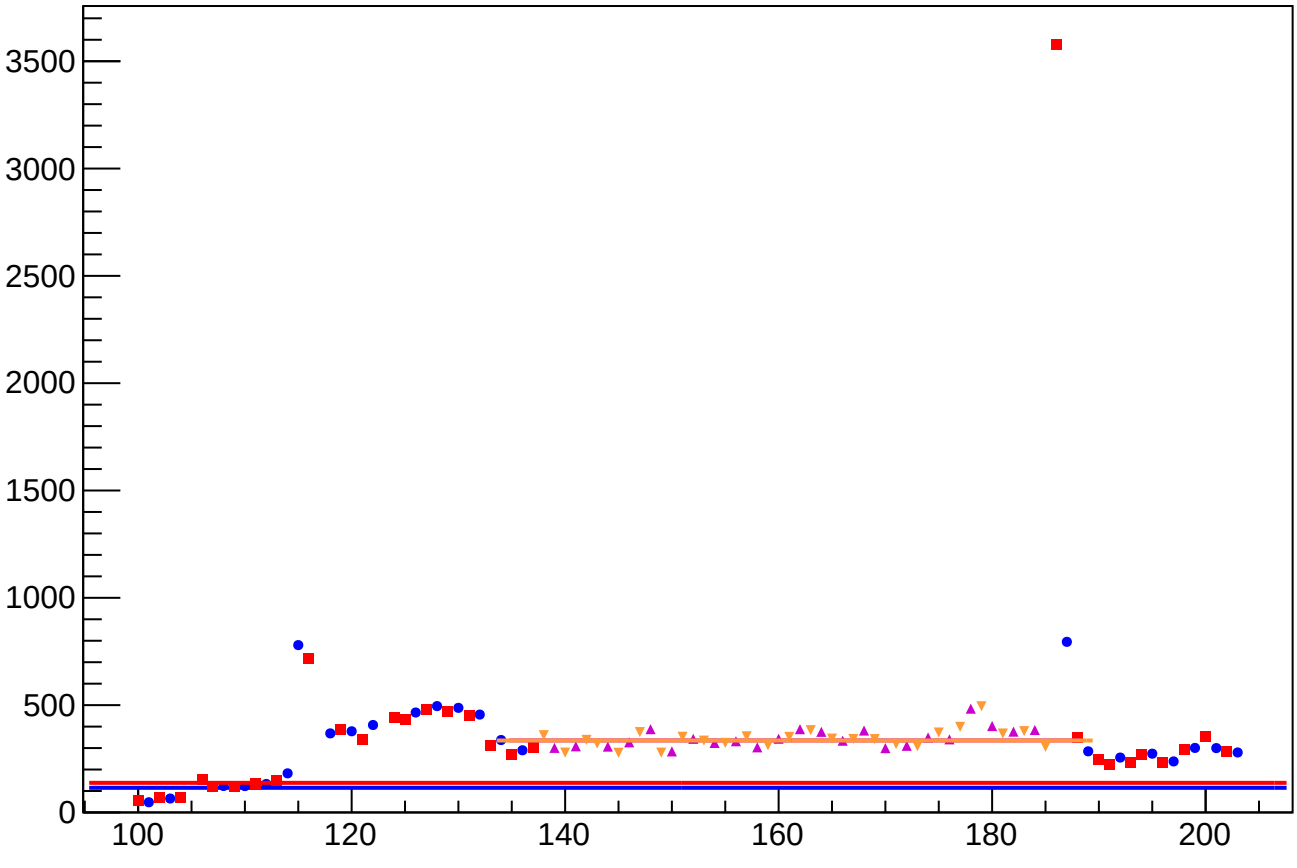
Left: -82.919+/-55.244 χ^2/NDF: 56.1/47

Right: 14.942+/-31.288 χ^2/NDF: 52.5/52

In: 26.218+/-37.831 χ^2/NDF:56.8/46

Out: -46.465+/-39.209 χ^2/NDF:52.4/53

All: -8.824+/-27.225 χ^2/NDF: 111.0/100



Right In: 114.868+/-0.030 χ^2/NDF: 11365851.3/23

Left Out: 335.271+/-0.055 χ^2/NDF:563801.0/24

Right Out: 138.010+/-0.032 χ^2/NDF: 10199728.5/28

Left In: 335.526+/-0.056 χ^2/NDF:495163.6/22

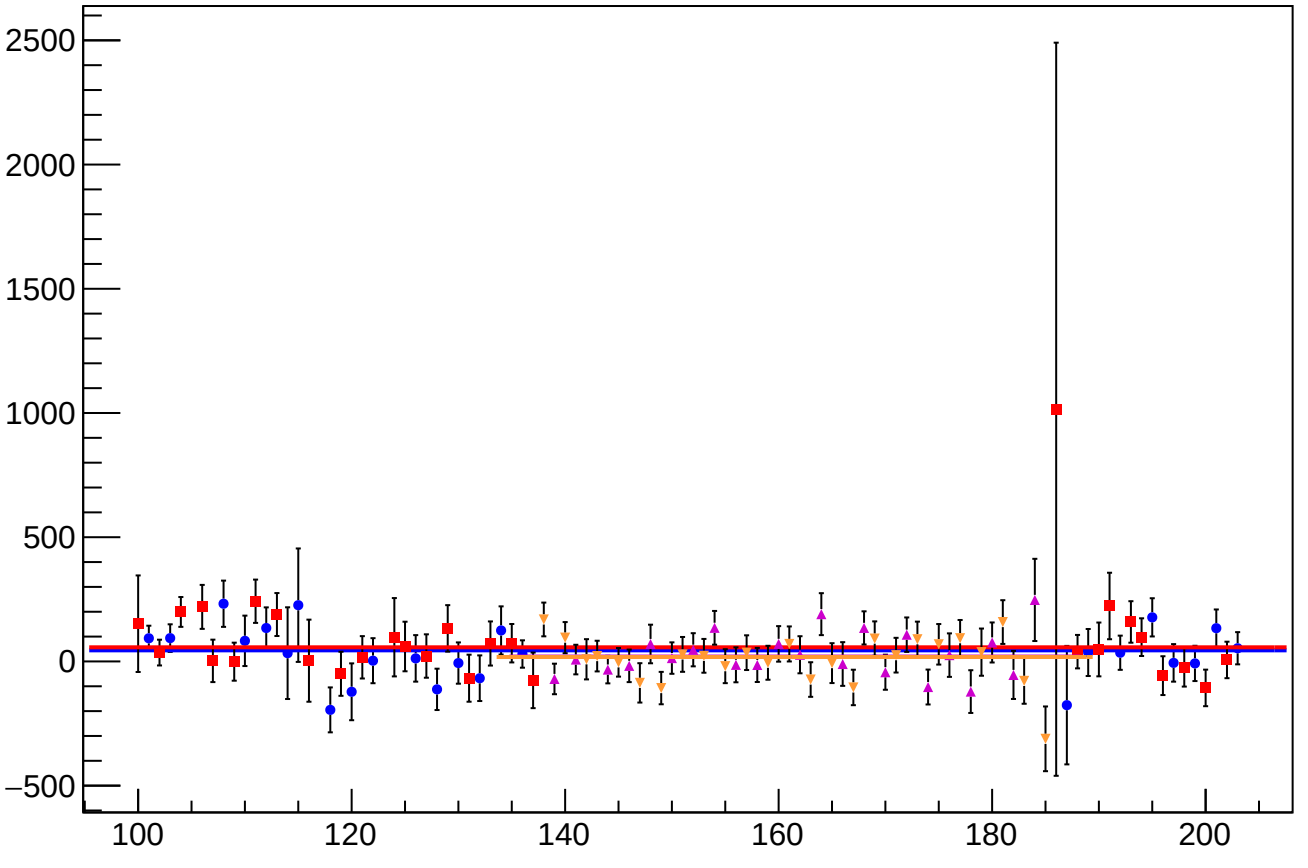
Left: 335.395+/-0.039 χ^2/NDF: 1058975.3/47

Right: 125.792+/-0.022 χ^2/NDF: 21838261.0/52

In: 165.202+/-0.027 χ^2/NDF:23841293.7/46

Out: 189.040+/-0.028 χ^2/NDF:20471646.8/53

All: 176.695+/-0.019 χ^2/NDF: 44695803.8/10



Right In: 44.638+/-16.447 χ^2/NDF: 29.7/23

Left Out: 17.804+/-14.495 χ^2/NDF:31.6/24

Right Out: 56.826+/-15.950 χ^2/NDF: 35.6/28

Left In: 19.642+/-15.040 χ^2/NDF:26.2/22

Left: 18.689+/-10.437 χ^2/NDF: 57.8/47

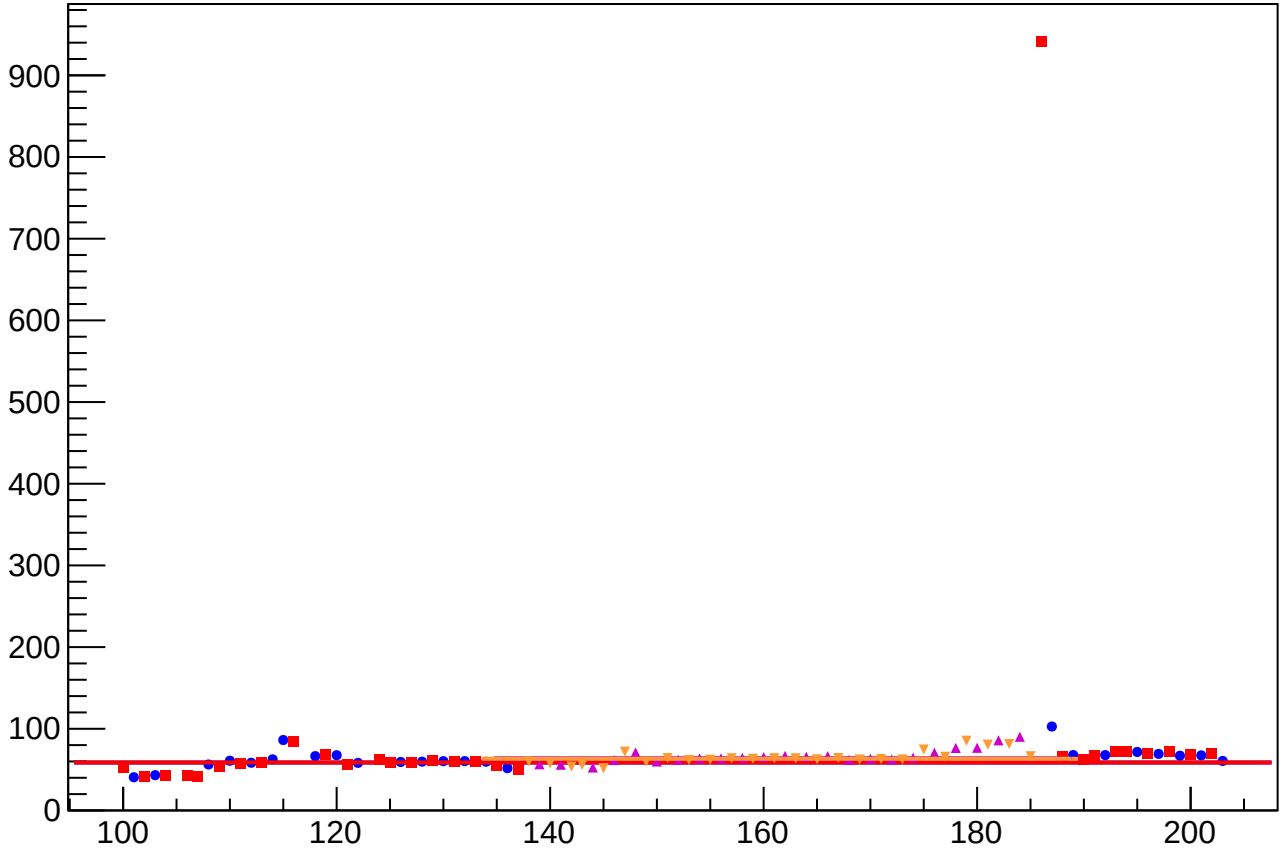
Right: 50.919+/-11.450 χ^2/NDF: 65.6/52

In: 31.025+/-11.099 χ^2/NDF:57.2/46

Out: 35.454+/-10.727 χ^2/NDF:70.4/53

All: 33.315+/-7.713 χ^2/NDF: 127.7/100

cor_asym_sam_15_avg_rms vs Slug, Sign Corrected



Right In: 58.673+/-0.012 χ^2/NDF: 776406.4/23

Left Out: 63.312+/-0.010 χ^2/NDF:497429.6/24

Right Out: 58.749+/-0.011 χ^2/NDF: 1647156.4/28

Left In: 63.918+/-0.011 χ^2/NDF:445309.5/22

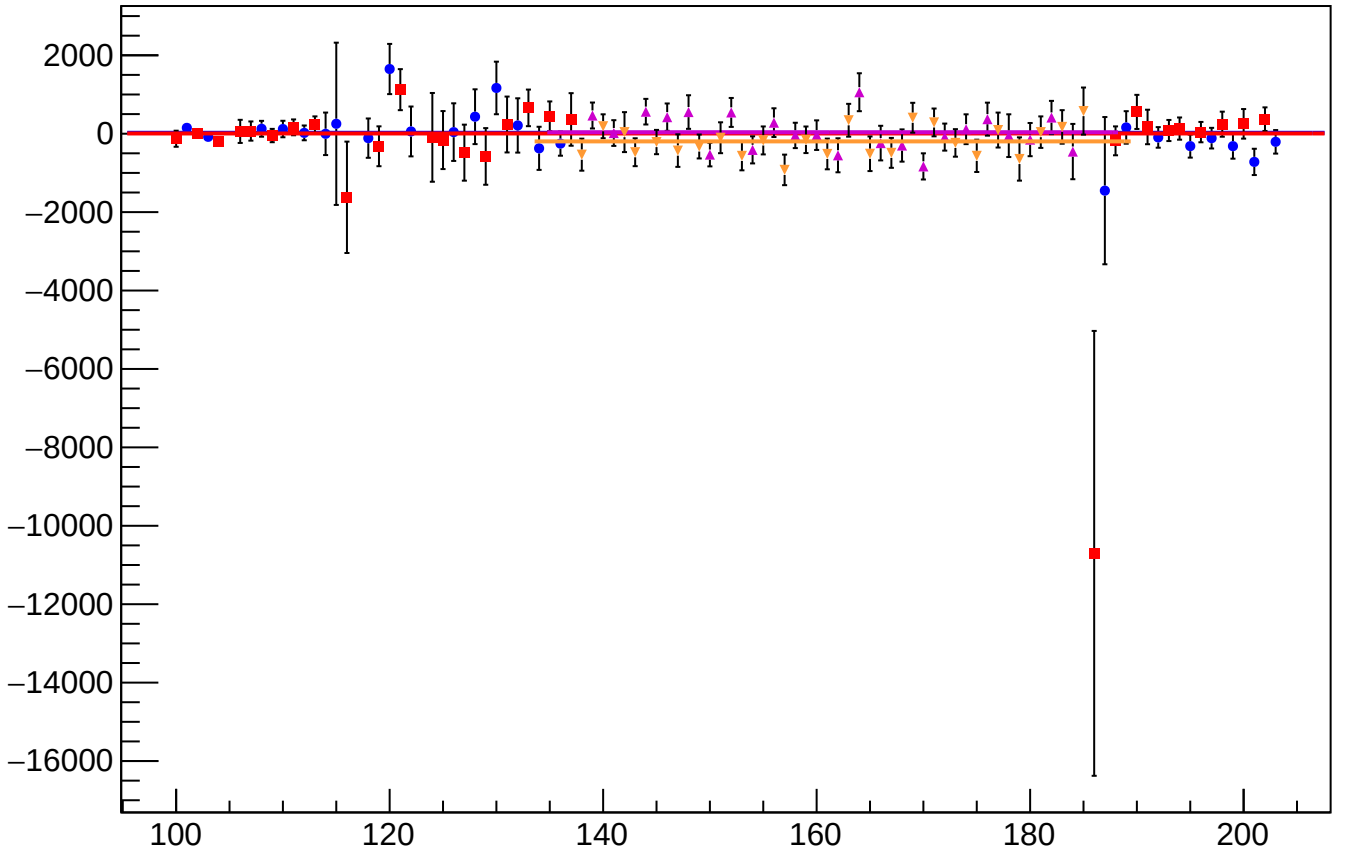
Left: 63.604+/-0.007 χ^2/NDF: 944421.2/47

Right: 58.712+/-0.008 χ^2/NDF: 2423584.7/52

In: 61.530+/-0.008 χ^2/NDF:1332489.1/46

Out: 61.248+/-0.008 χ^2/NDF:2234254.0/53

All: 61.384+/-0.005 χ^2/NDF: 3567407.2/100



Right In: 23.209+/-43.059 χ^2/NDF: 25.7/23

Left Out: -195.942+/-77.088 χ^2/NDF:20.6/24

Right Out: 6.018+/-45.507 χ^2/NDF: 26.7/28

Left In: 36.414+/-79.210 χ^2/NDF:31.1/22

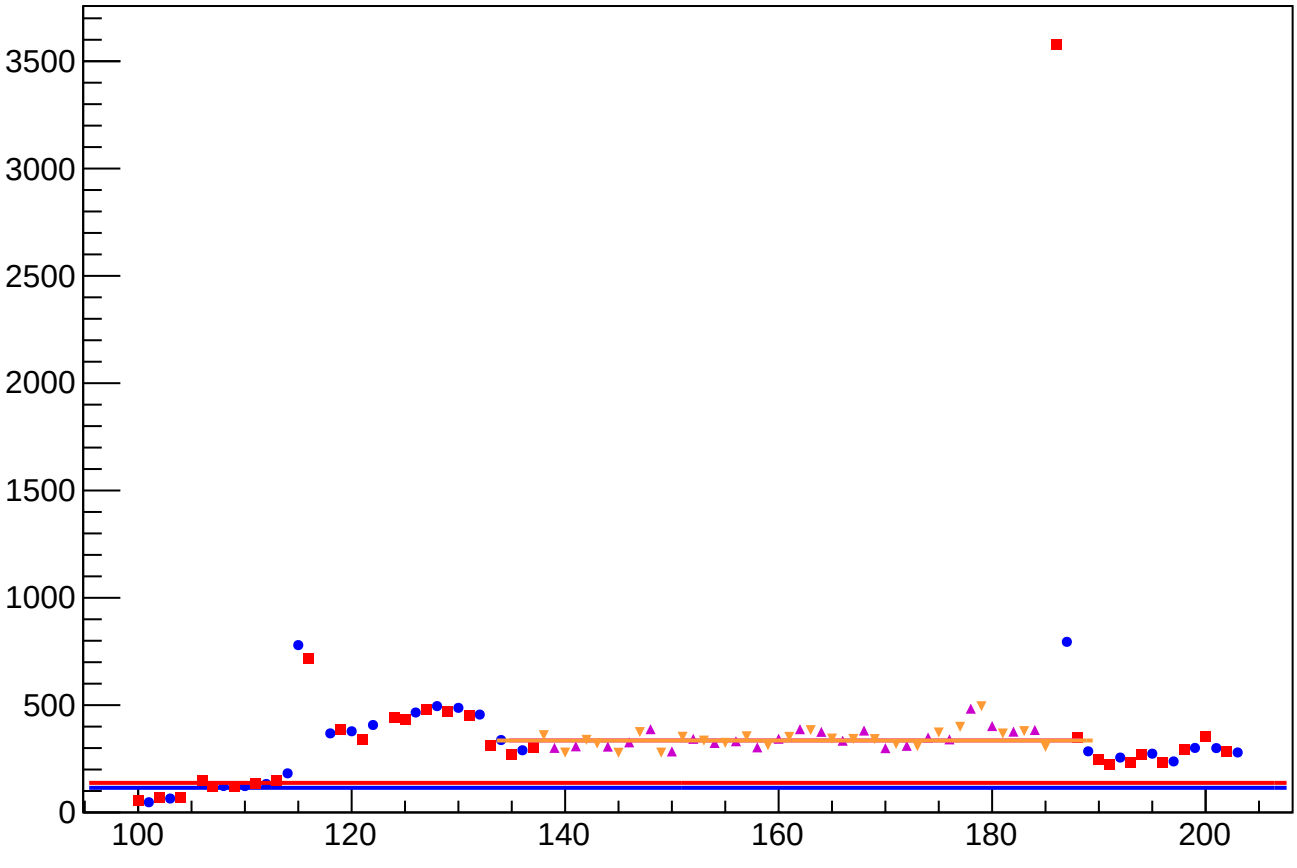
Left: -82.918+/-55.244 χ^2/NDF: 56.1/47

Right: 15.088+/-31.277 χ^2/NDF: 52.5/52

In: 26.221+/-37.831 χ^2/NDF:56.8/46

Out: -46.174+/-39.188 χ^2/NDF:52.4/53

All: -8.701+/-27.218 χ^2/NDF: 111.0/100



Right In: 114.865+/-0.030 χ^2/NDF: 11366085.7/23

Left Out: 335.271+/-0.055 χ^2/NDF:563797.0/24

Right Out: 137.822+/-0.032 χ^2/NDF: 10201293.9/28

Left In: 335.526+/-0.056 χ^2/NDF:495170.0/22

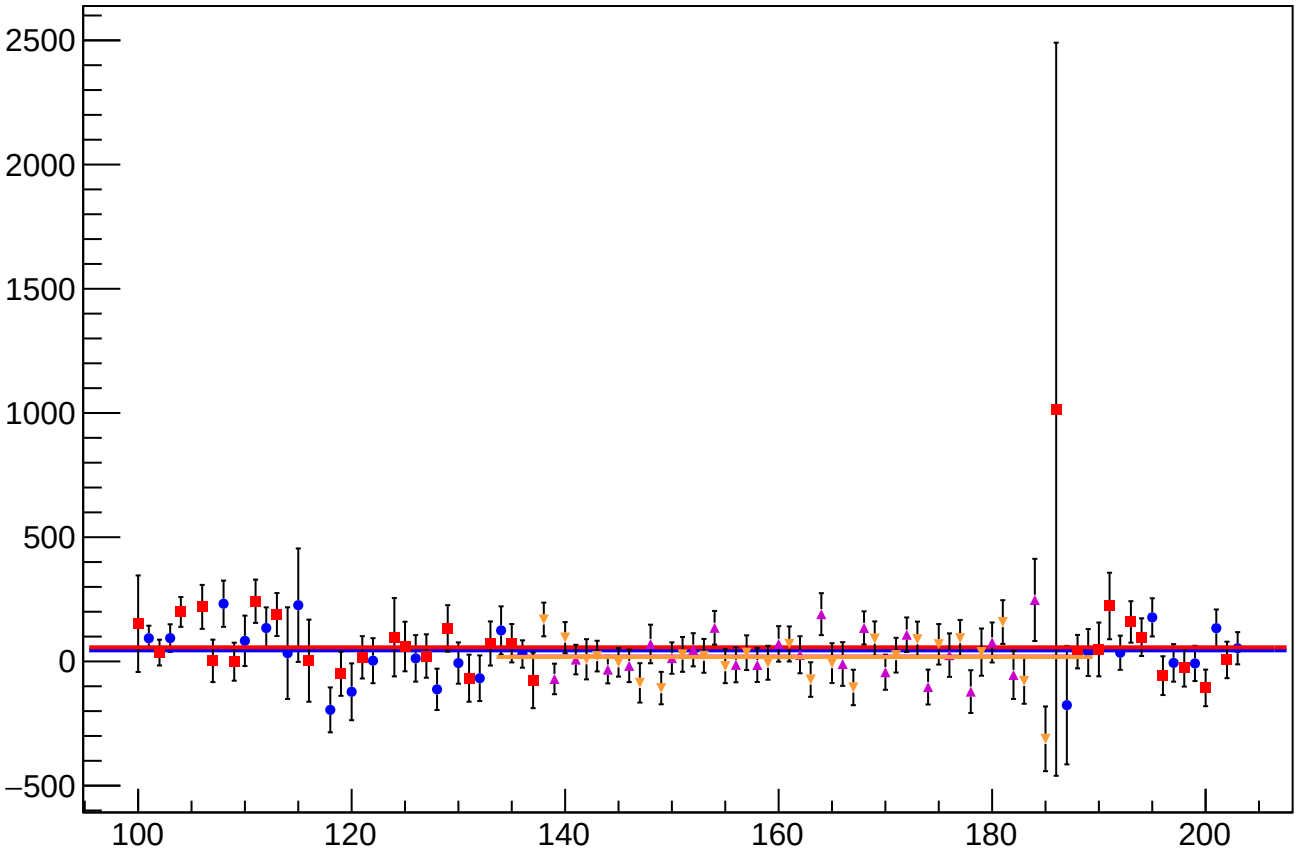
Left: 335.395+/-0.039 χ^2/NDF: 1058977.6/47

Right: 125.709+/-0.022 χ^2/NDF: 21835930.1/52

In: 165.198+/-0.027 χ^2/NDF:23841970.2/46

Out: 188.848+/-0.028 χ^2/NDF:20495220.1/53

All: 176.606+/-0.019 χ^2/NDF: 44714242.2/10



Right In: 44.638+/-16.447 χ^2/NDF: 29.7/23

Left Out: 17.804+/-14.495 χ^2/NDF:31.6/24

Right Out: 56.826+/-15.950 χ^2/NDF: 35.6/28

Left In: 19.642+/-15.040 χ^2/NDF:26.2/22

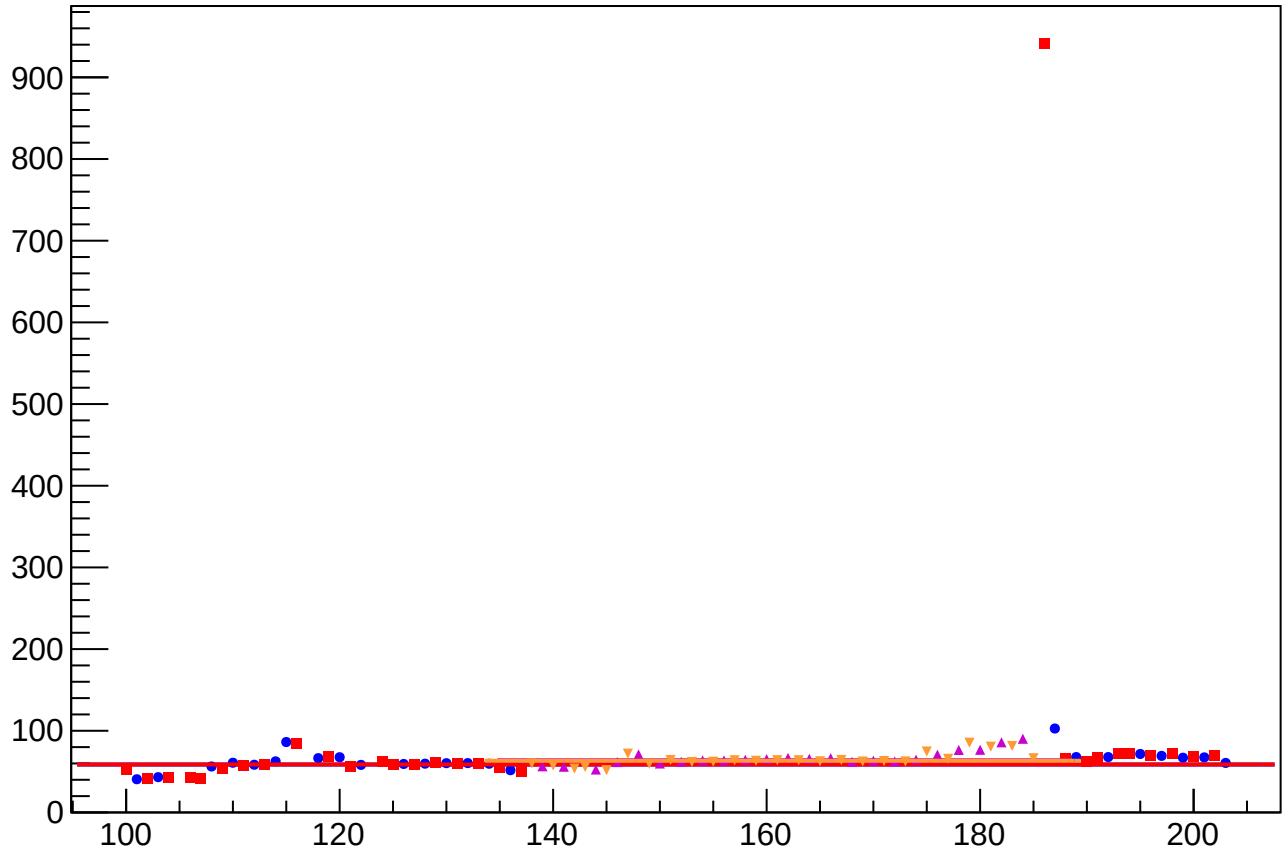
Left: 18.689+/-10.437 χ^2/NDF: 57.8/47

Right: 50.919+/-11.450 χ^2/NDF: 65.6/52

In: 31.025+/-11.099 χ^2/NDF:57.2/46

Out: 35.454+/-10.727 χ^2/NDF:70.4/53

All: 33.315+/-7.713 χ^2/NDF: 127.7/100



Right In: 58.673+/-0.012 χ^2/NDF: 776406.4/23

Left Out: 63.312+/-0.010 χ^2/NDF:497429.6/24

Right Out: 58.749+/-0.011 χ^2/NDF: 1647156.4/28

Left In: 63.918+/-0.011 χ^2/NDF:445309.5/22

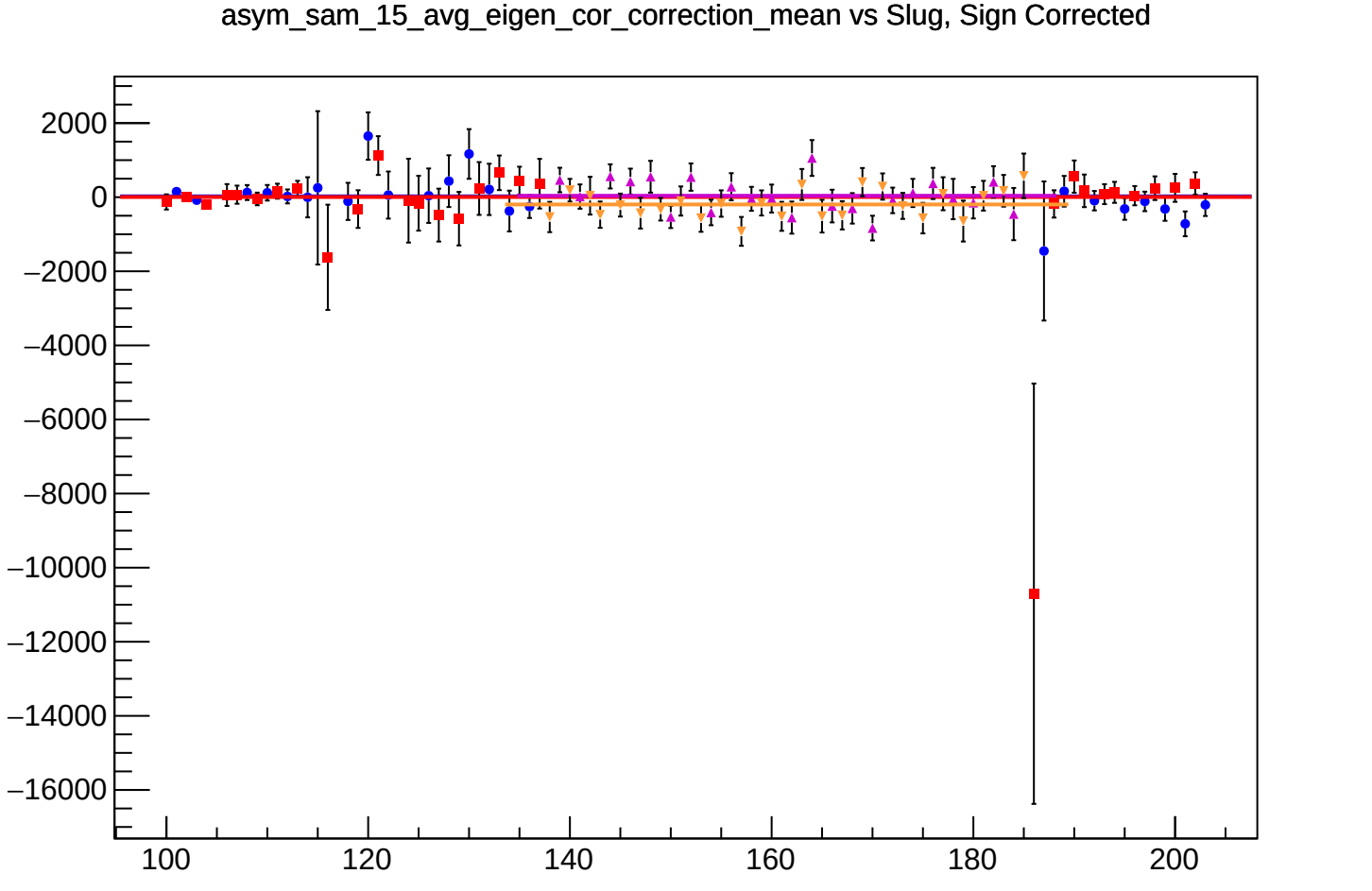
Left: 63.604+/-0.007 χ^2/NDF: 944421.2/47

Right: 58.712+/-0.008 χ^2/NDF: 2423584.7/52

In: 61.530+/-0.008 χ^2/NDF:1332489.1/46

Out: 61.248+/-0.008 χ^2/NDF:2234254.0/53

All: 61.384+/-0.005 χ^2/NDF: 3567407.2/100



Right In: 23.209+/-43.059 χ^2/NDF: 25.7/23

Left Out: -195.942+/-77.088 χ^2/NDF:20.6/24

Right Out: 6.018+/-45.507 χ^2/NDF: 26.7/28

Left In: 36.414+/-79.210 χ^2/NDF:31.1/22

Left: -82.918+/-55.244 χ^2/NDF: 56.1/47

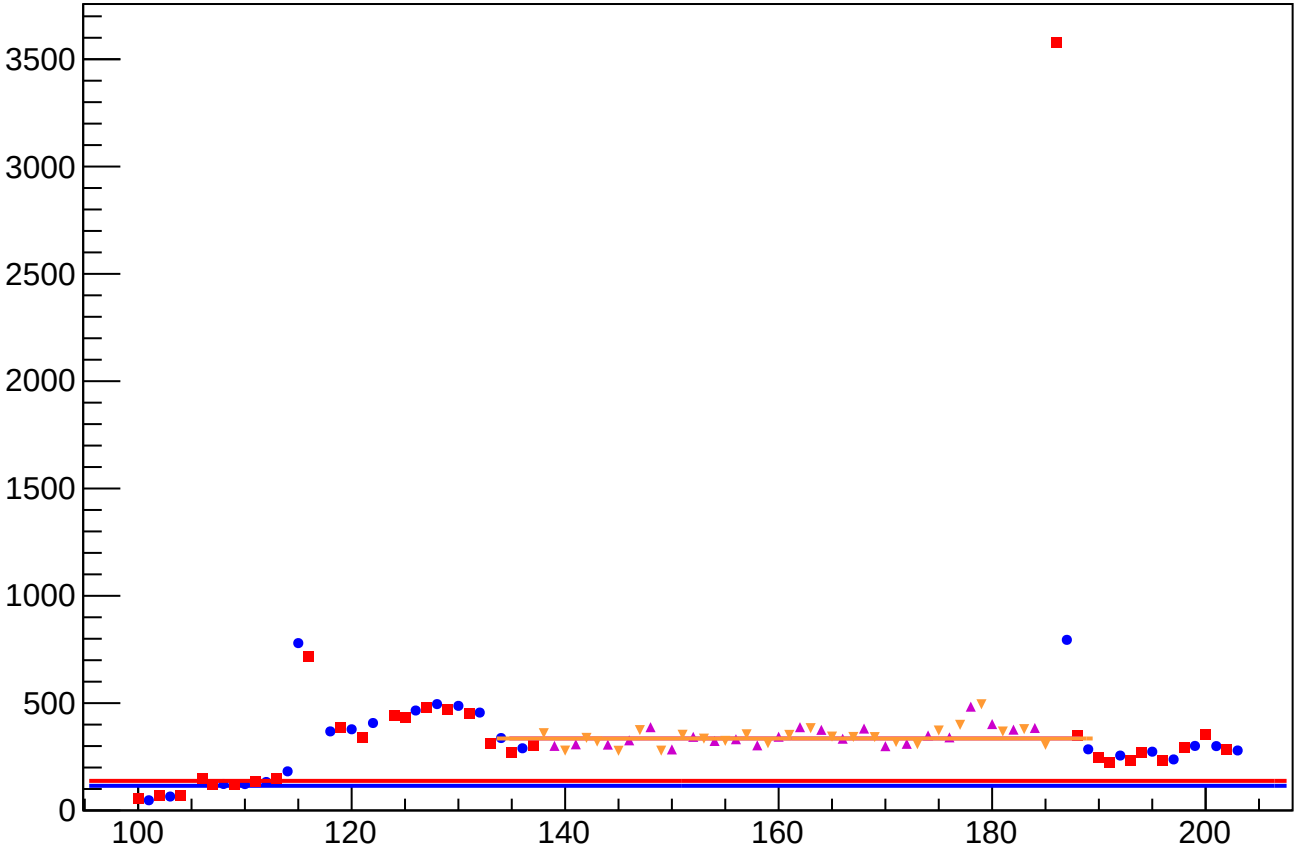
Right: 15.088+/-31.277 χ^2/NDF: 52.5/52

In: 26.221+/-37.831 χ^2/NDF:56.8/46

Out: -46.174+/-39.188 χ^2/NDF:52.4/53

All: -8.701+/-27.218 χ^2/NDF: 111.0/100

asym_sam_15_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 114.865+/-0.030 χ^2/NDF: 11366085.7/23

Left Out: 335.271+/-0.055 χ^2/NDF:563797.0/24

Right Out: 137.822+/-0.032 χ^2/NDF: 10201293.9/28

Left In: 335.526+/-0.056 χ^2/NDF:495170.0/22

Left: 335.395+/-0.039 χ^2/NDF: 1058977.6/47

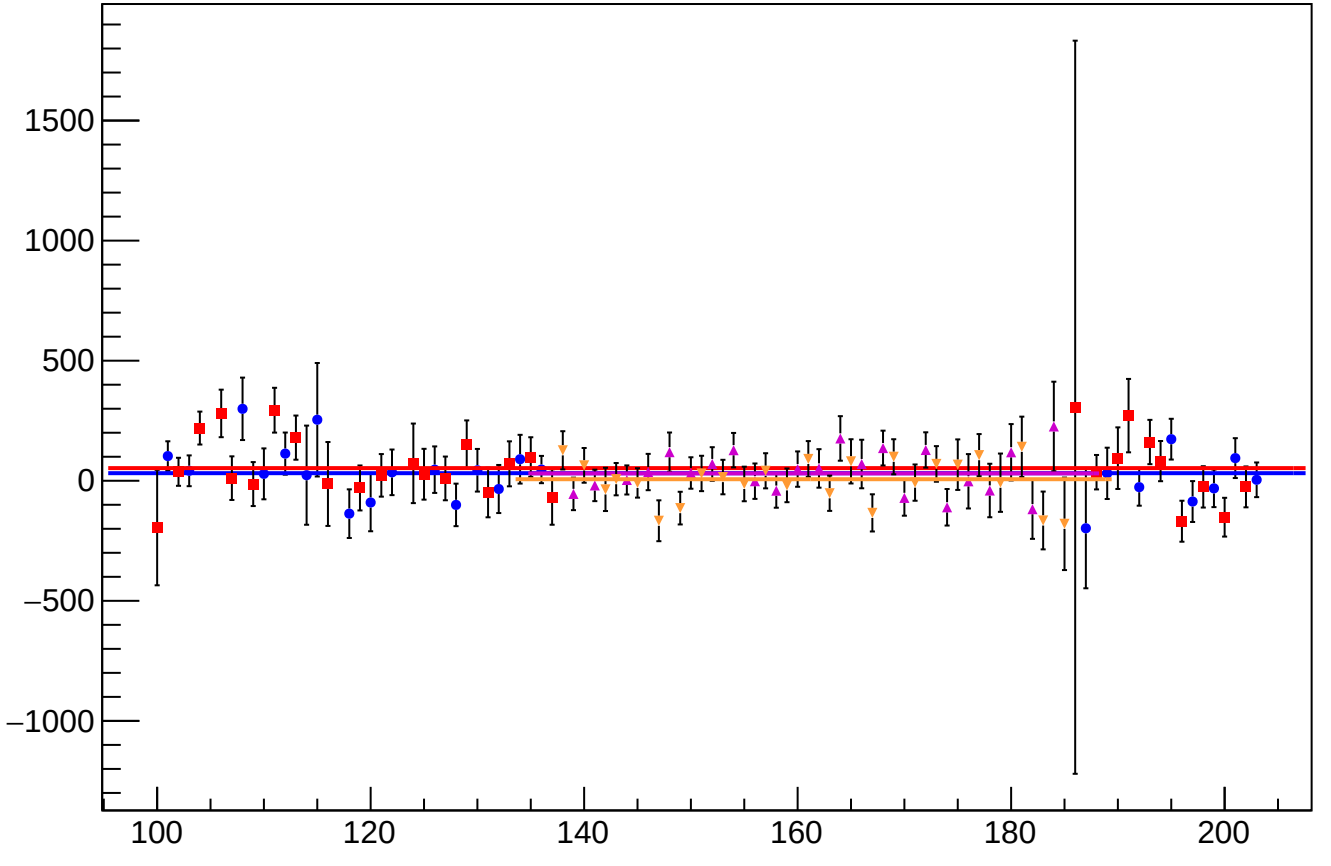
Right: 125.709+/-0.022 χ^2/NDF: 21835930.1/52

In: 165.198+/-0.027 χ^2/NDF:23841970.2/46

Out: 188.848+/-0.028 χ^2/NDF:20495220.1/53

All: 176.606+/-0.019 χ^2/NDF: 44714242.2/10

dit_asym_sam_15_avg_mean vs Slug, Sign Corrected



Right In: 31.588+/-18.192 χ^2/NDF: 21.8/23

Left Out: 6.469+/-15.977 χ^2/NDF:25.1/24

Right Out: 52.651+/-17.487 χ^2/NDF: 44.9/28

Left In: 30.662+/-16.503 χ^2/NDF:22.5/22

Left: 18.174+/-11.479 χ^2/NDF: 48.6/47

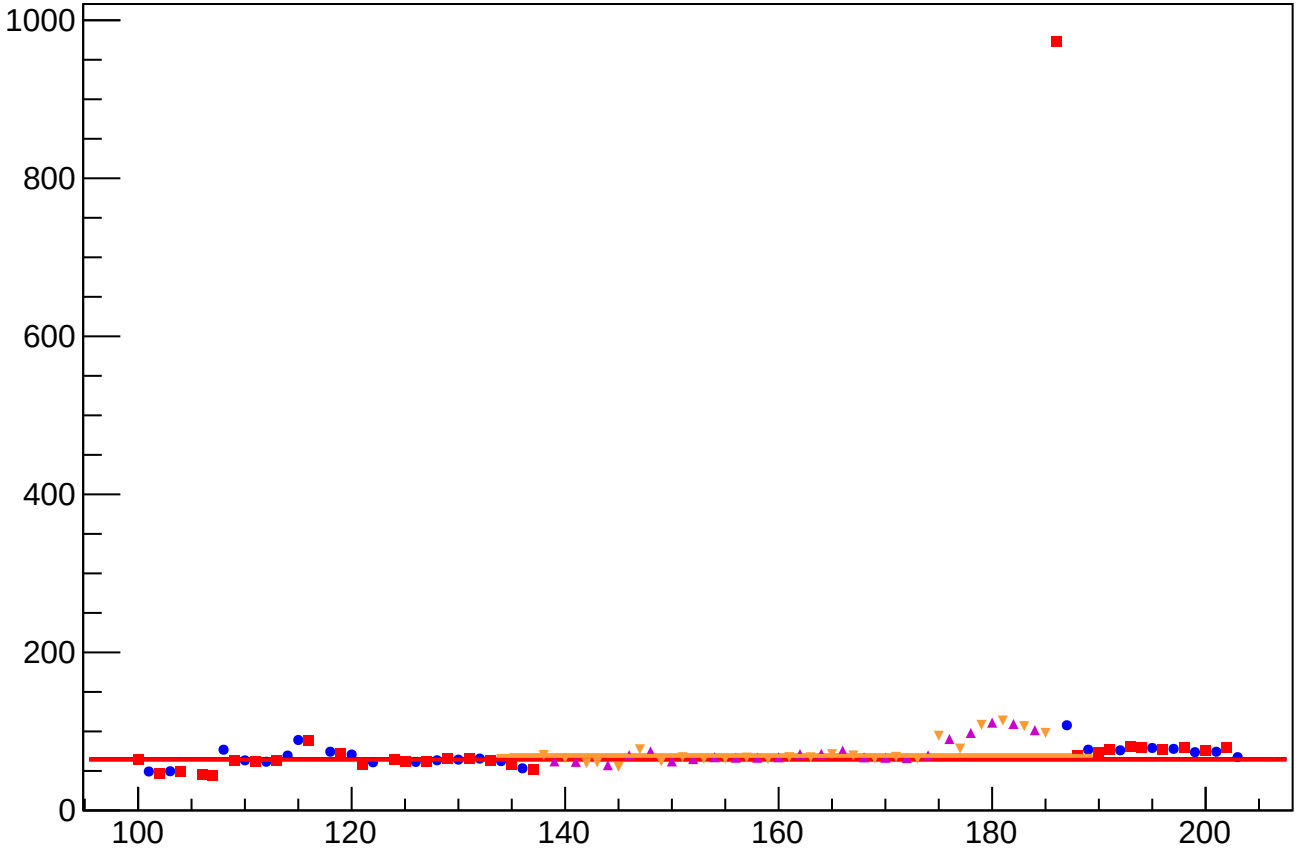
Right: 42.536+/-12.607 χ^2/NDF: 67.4/52

In: 31.080+/-12.223 χ^2/NDF:44.2/46

Out: 27.481+/-11.795 χ^2/NDF:73.7/53

All: 29.217+/-8.488 χ^2/NDF: 118.0/100

dit_asym_sam_15_avg_rms vs Slug, Sign Corrected



Right In: 64.920+/-0.013 χ^2/NDF: 680891.3/23

Left Out: 69.078+/-0.011 χ^2/NDF:1074001.6/24

Right Out: 64.281+/-0.012 χ^2/NDF: 1632996.3/28

Left In: 69.436+/-0.012 χ^2/NDF:924607.6/22

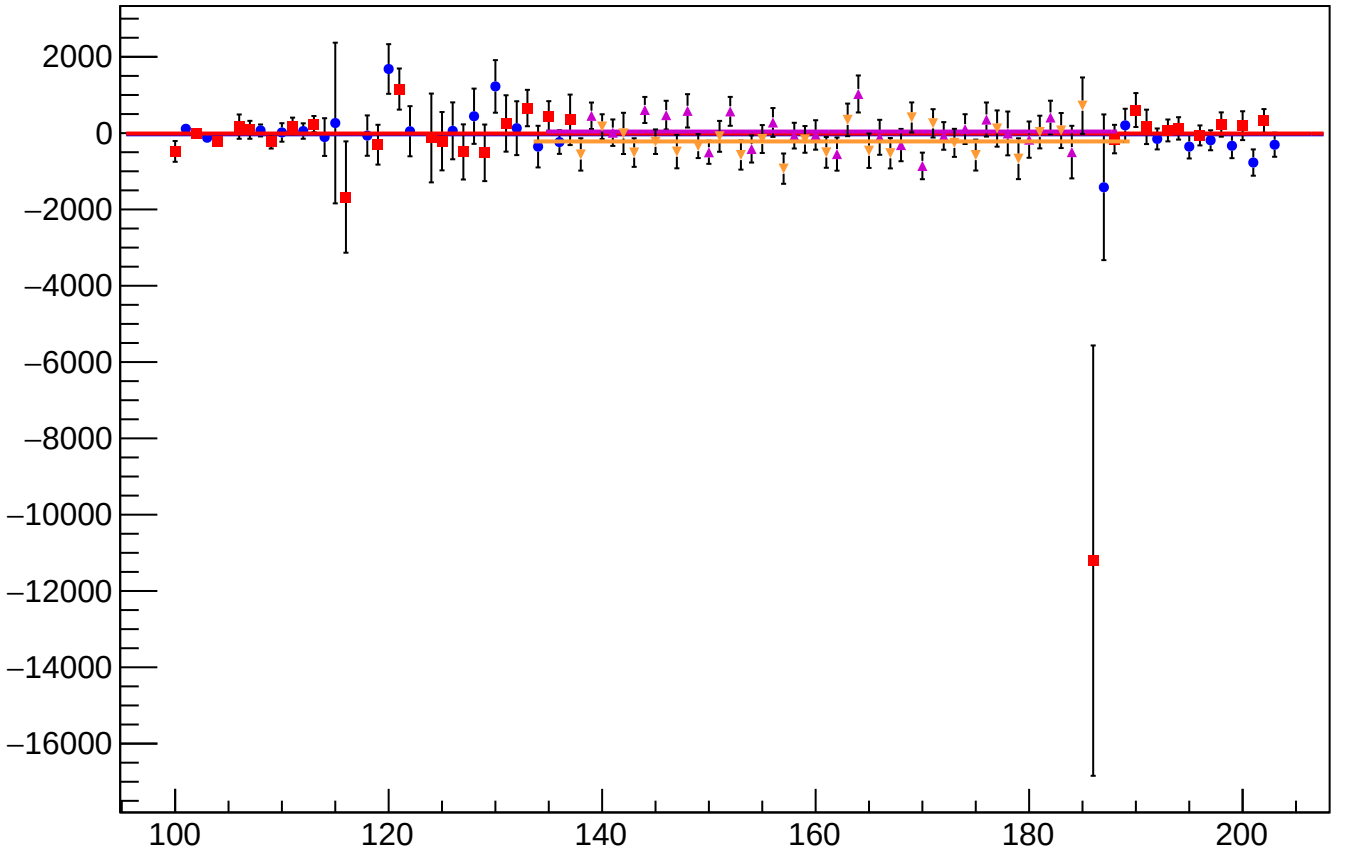
Left: 69.252+/-0.008 χ^2/NDF: 1999094.5/47

Right: 64.588+/-0.009 χ^2/NDF: 2315167.9/52

In: 67.397+/-0.009 χ^2/NDF:1673128.1/46

Out: 66.896+/-0.008 χ^2/NDF:2789038.0/53

All: 67.138+/-0.006 χ^2/NDF: 4463909.8/100



Right In: -31.203+/-48.800 χ^2/NDF: 24.2/23

Left Out: -217.349+/-80.133 χ^2/NDF:19.3/24

Right Out: -10.455+/-47.898 χ^2/NDF: 30.3/28

Left In: 41.512+/-82.256 χ^2/NDF:30.0/22

Left: -91.302+/-57.399 χ^2/NDF: 54.4/47

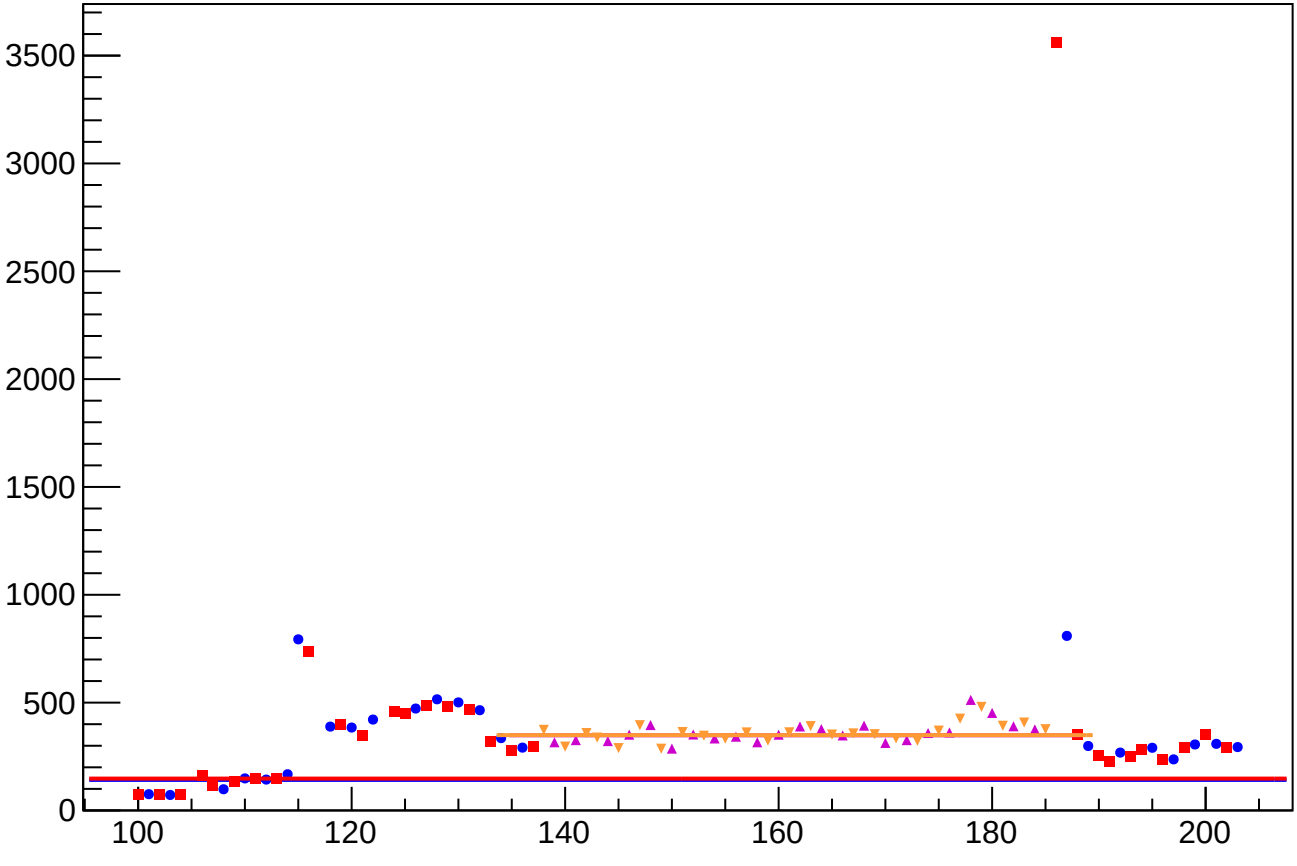
Right: -20.635+/-34.183 χ^2/NDF: 54.6/52

In: -12.273+/-41.970 χ^2/NDF:54.8/46

Out: -64.917+/-41.114 χ^2/NDF:54.6/53

All: -39.137+/-29.370 χ^2/NDF: 110.1/100

asym_sam_15_avg_dit_correction_rms vs Slug, Sign Corrected



Right In: 141.693+/-0.035 χ^2/NDF: 9285657.1/23

Left Out: 349.177+/-0.057 χ^2/NDF:524075.5/24

Right Out: 147.761+/-0.034 χ^2/NDF: 9675722.5/28

Left In: 348.560+/-0.058 χ^2/NDF:525743.6/22

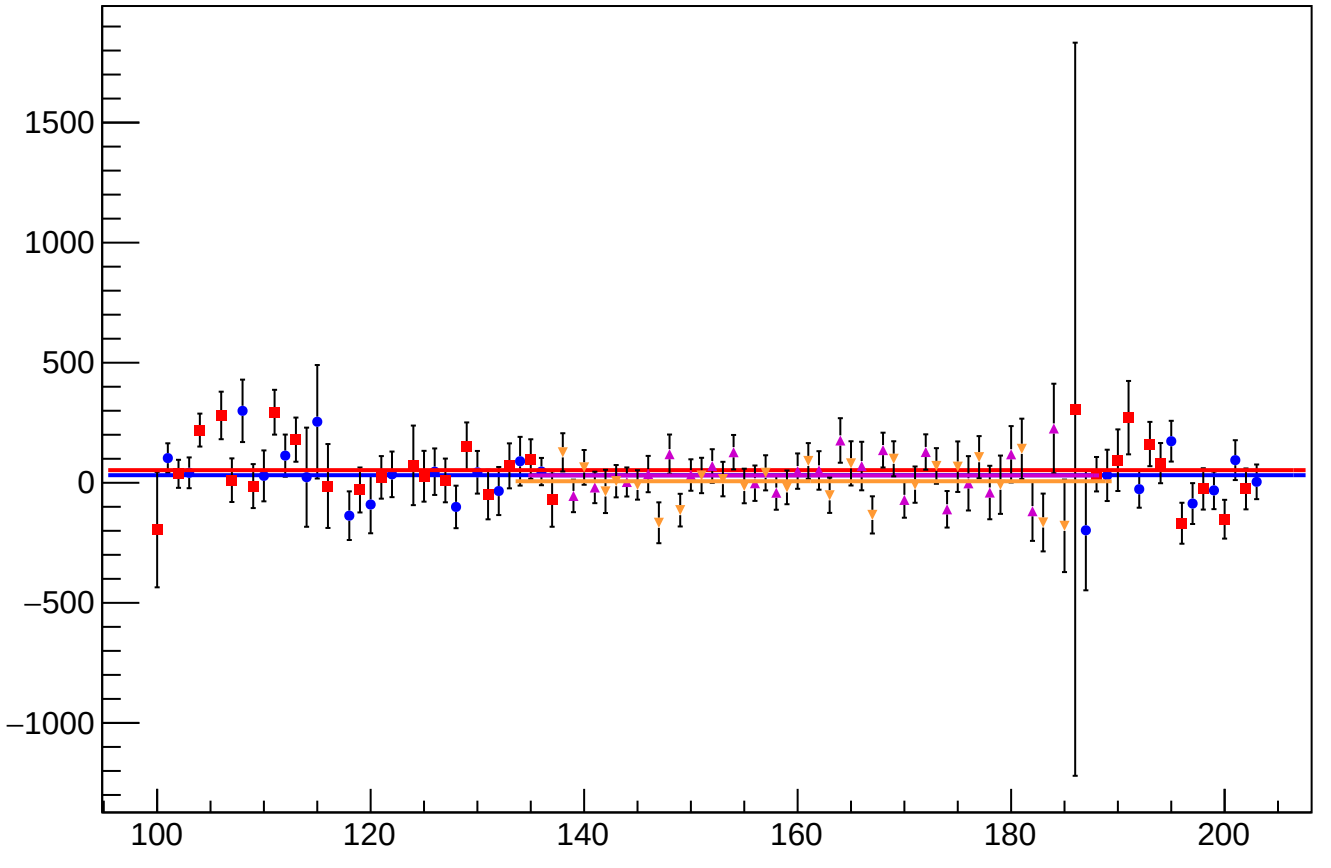
Left: 348.876+/-0.041 χ^2/NDF: 1049876.9/47

Right: 144.784+/-0.024 χ^2/NDF: 18977132.1/52

In: 195.547+/-0.030 χ^2/NDF:19167841.5/46

Out: 200.781+/-0.029 χ^2/NDF:19509120.9/53

All: 198.218+/-0.021 χ^2/NDF: 38692833.3/10



Right In: 31.588+/-18.192 χ^2/NDF: 21.8/23

Left Out: 6.469+/-15.977 χ^2/NDF:25.1/24

Right Out: 52.650+/-17.487 χ^2/NDF: 44.9/28

Left In: 30.662+/-16.503 χ^2/NDF:22.5/22

Left: 18.174+/-11.479 χ^2/NDF: 48.6/47

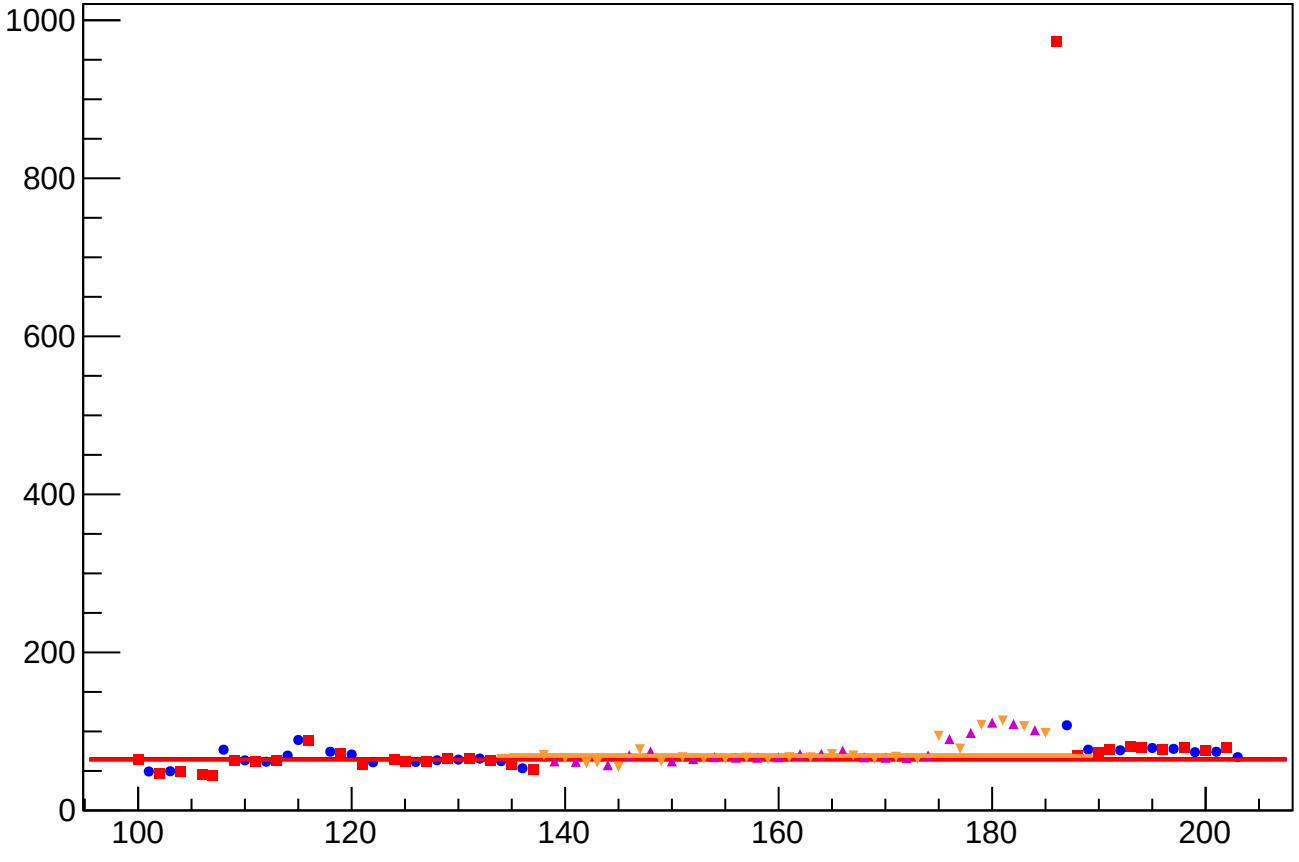
Right: 42.536+/-12.607 χ^2/NDF: 67.4/52

In: 31.080+/-12.223 χ^2/NDF:44.2/46

Out: 27.481+/-11.795 χ^2/NDF:73.7/53

All: 29.217+/-8.488 χ^2/NDF: 118.0/100

eigen_dit_asym_sam_15_avg_rms vs Slug, Sign Corrected



Right In: 64.920+/-0.013 χ^2/NDF: 680891.6/23

Left Out: 69.079+/-0.011 χ^2/NDF:1073983.7/24

Right Out: 64.281+/-0.012 χ^2/NDF: 1632996.4/28

Left In: 69.436+/-0.012 χ^2/NDF:924591.6/22

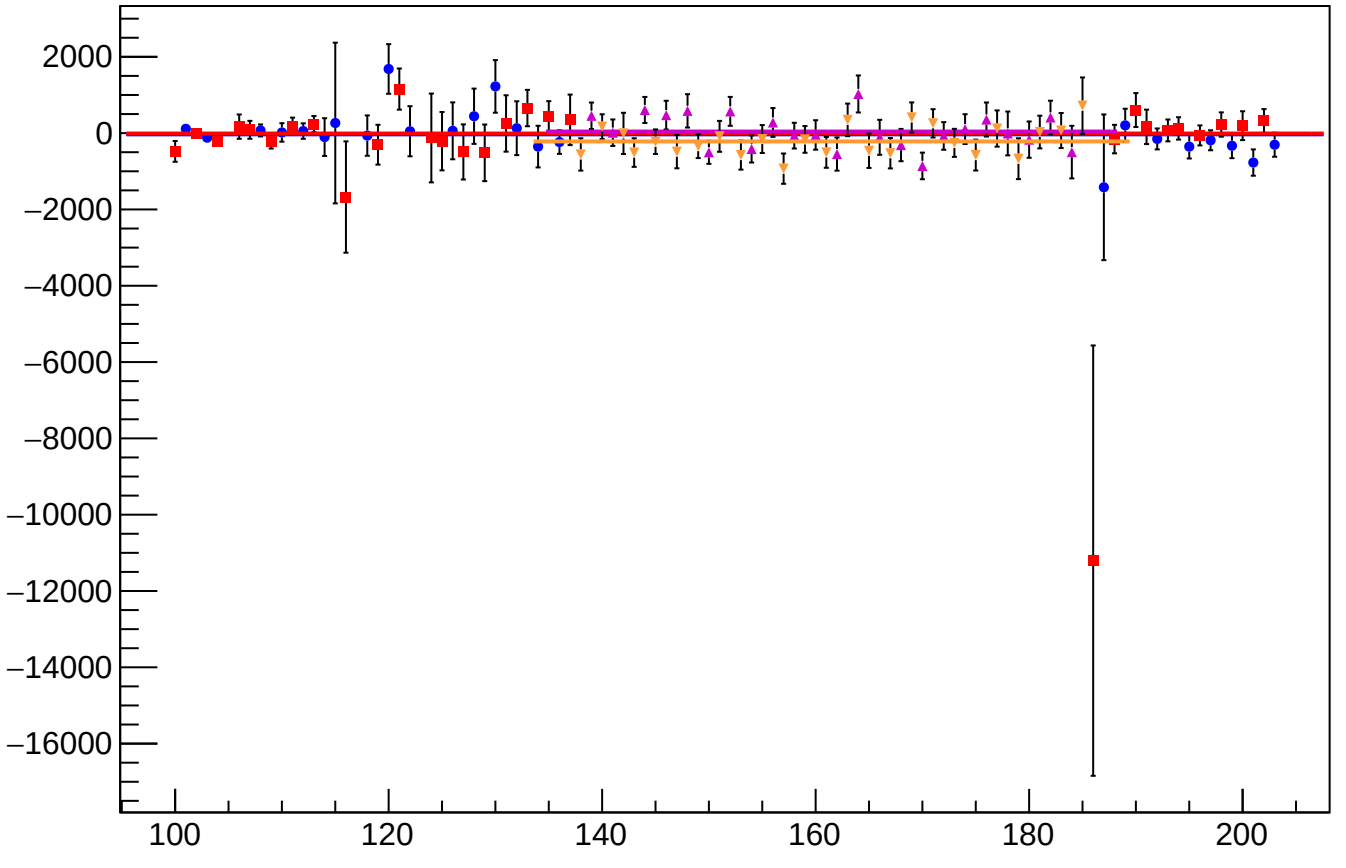
Left: 69.252+/-0.008 χ^2/NDF: 1999060.7/47

Right: 64.588+/-0.009 χ^2/NDF: 2315168.3/52

In: 67.397+/-0.009 χ^2/NDF:1673119.1/46

Out: 66.896+/-0.008 χ^2/NDF:2789025.3/53

All: 67.138+/-0.006 χ^2/NDF: 4463888.3/100



Right In: -31.203+/-48.800 χ^2/NDF: 24.2/23

Left Out: -217.348+/-80.133 χ^2/NDF:19.3/24

Right Out: -10.455+/-47.898 χ^2/NDF: 30.3/28

Left In: 41.512+/-82.256 χ^2/NDF:30.0/22

Left: -91.302+/-57.399 χ^2/NDF: 54.4/47

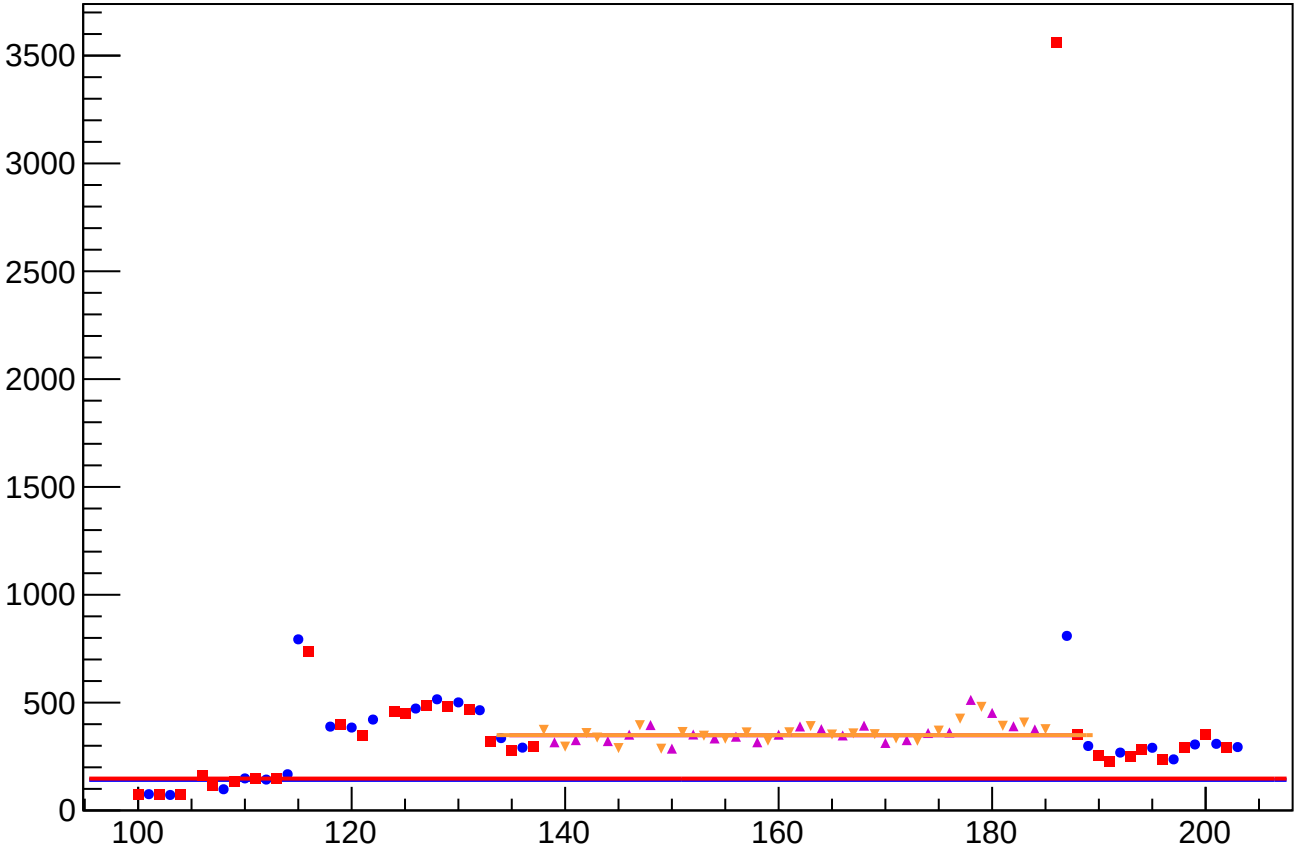
Right: -20.635+/-34.183 χ^2/NDF: 54.6/52

In: -12.273+/-41.970 χ^2/NDF:54.8/46

Out: -64.916+/-41.114 χ^2/NDF:54.6/53

All: -39.137+/-29.370 χ^2/NDF: 110.1/100

asym_sam_15_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 141.693+/-0.035 χ^2/NDF: 9285673.3/23

Left Out: 349.177+/-0.057 χ^2/NDF:524067.1/24

Right Out: 147.761+/-0.034 χ^2/NDF: 9675765.3/28

Left In: 348.560+/-0.058 χ^2/NDF:525736.6/22

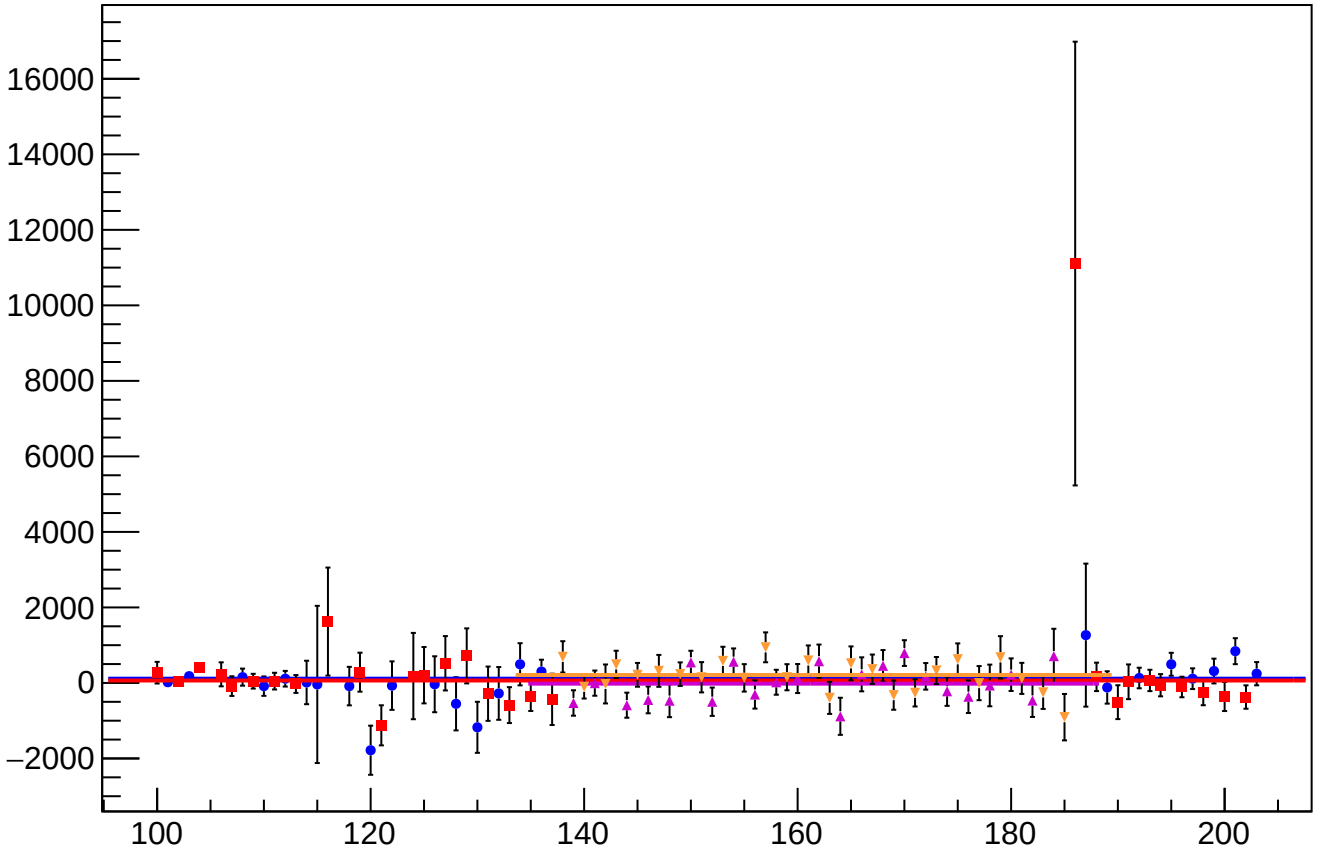
Left: 348.877+/-0.041 χ^2/NDF: 1049861.4/47

Right: 144.783+/-0.024 χ^2/NDF: 18977190.4/52

In: 195.547+/-0.030 χ^2/NDF:19167916.4/46

Out: 200.781+/-0.029 χ^2/NDF:19509233.6/53

All: 198.218+/-0.021 χ^2/NDF: 38693020.2/10



Right In: 112.679+/-52.910 χ^2/NDF: 23.7/23

Left Out: 209.819+/-78.511 χ^2/NDF:21.4/24

Right Out: 65.114+/-51.390 χ^2/NDF: 32.0/28

Left In: -18.738+/-80.699 χ^2/NDF:32.0/22

Left: 98.681+/-56.273 χ^2/NDF: 57.6/47

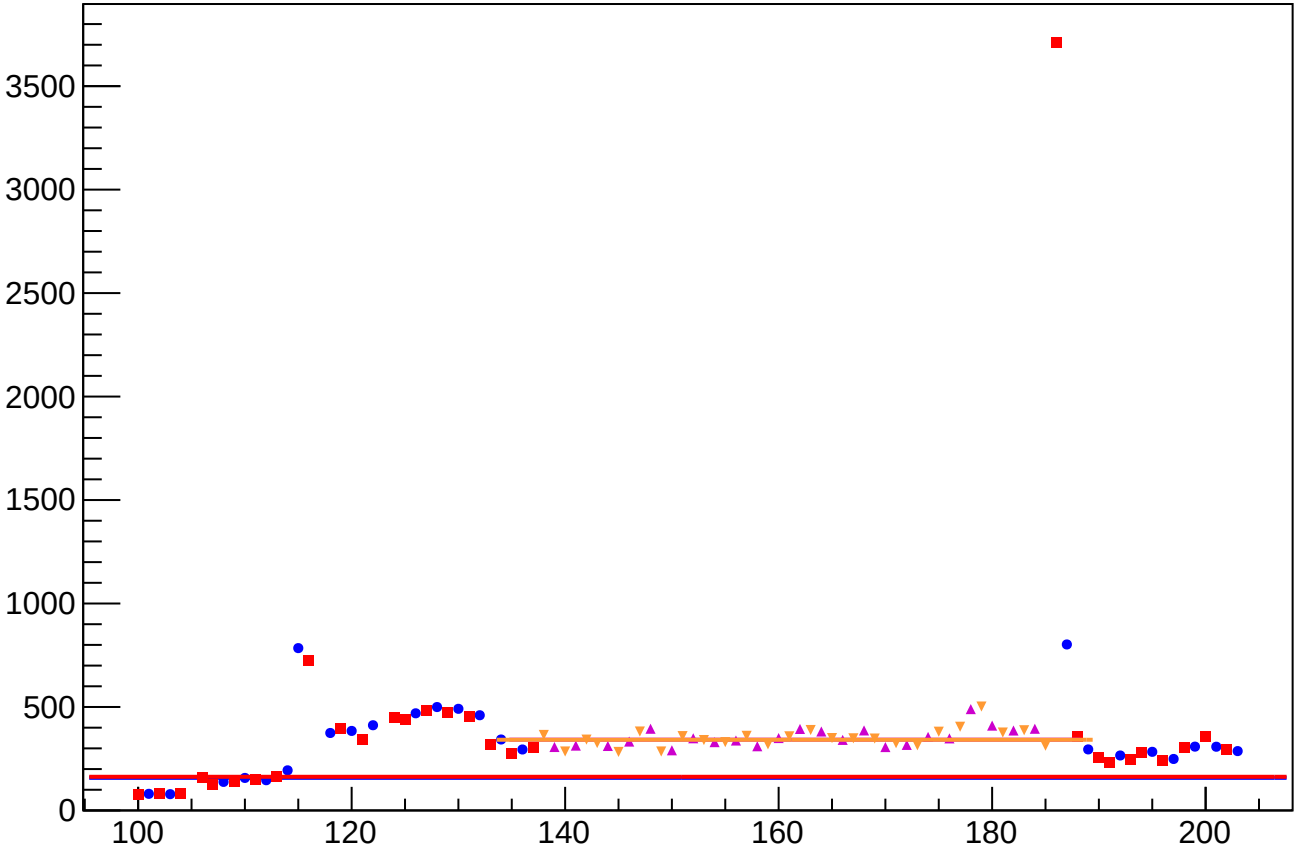
Right: 88.204+/-36.864 χ^2/NDF: 56.1/52

In: 73.171+/-44.247 χ^2/NDF:57.5/46

Out: 108.517+/-42.998 χ^2/NDF:55.8/53

All: 91.350+/-30.836 χ^2/NDF: 113.7/100

asym_sam_15_avg_rms vs Slug, Sign Corrected



Right In: 157.625+/-0.037 χ^2/NDF: 8257359.0/23

Left Out: 341.585+/-0.056 χ^2/NDF:554287.8/24

Right Out: 162.686+/-0.036 χ^2/NDF: 8596032.5/28

Left In: 341.943+/-0.057 χ^2/NDF:485509.1/22

Left: 341.759+/-0.040 χ^2/NDF: 1039817.1/47

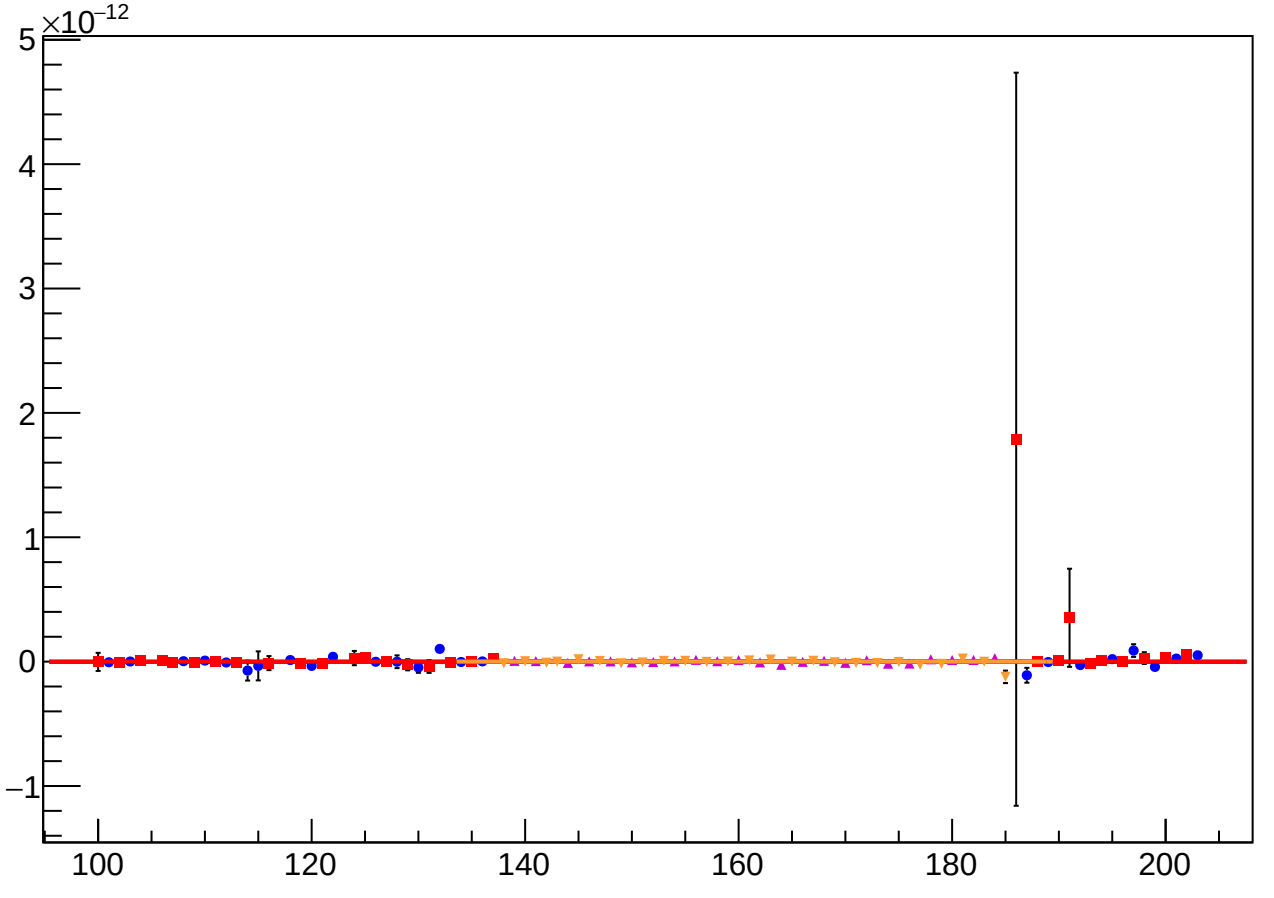
Right: 160.229+/-0.026 χ^2/NDF: 16862810.2/52

In: 213.037+/-0.031 χ^2/NDF:16039676.7/46

Out: 216.344+/-0.030 χ^2/NDF:16420012.7/53

All: 214.738+/-0.022 χ^2/NDF: 32465436.7/10

asym_sam_15_avg_reg_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.000 χ^2/NDF: 33.8/23

Left Out: 0.000+/-0.000 χ^2/NDF:28.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 17.6/28

Left In: 0.000+/-0.000 χ^2/NDF:20.5/22

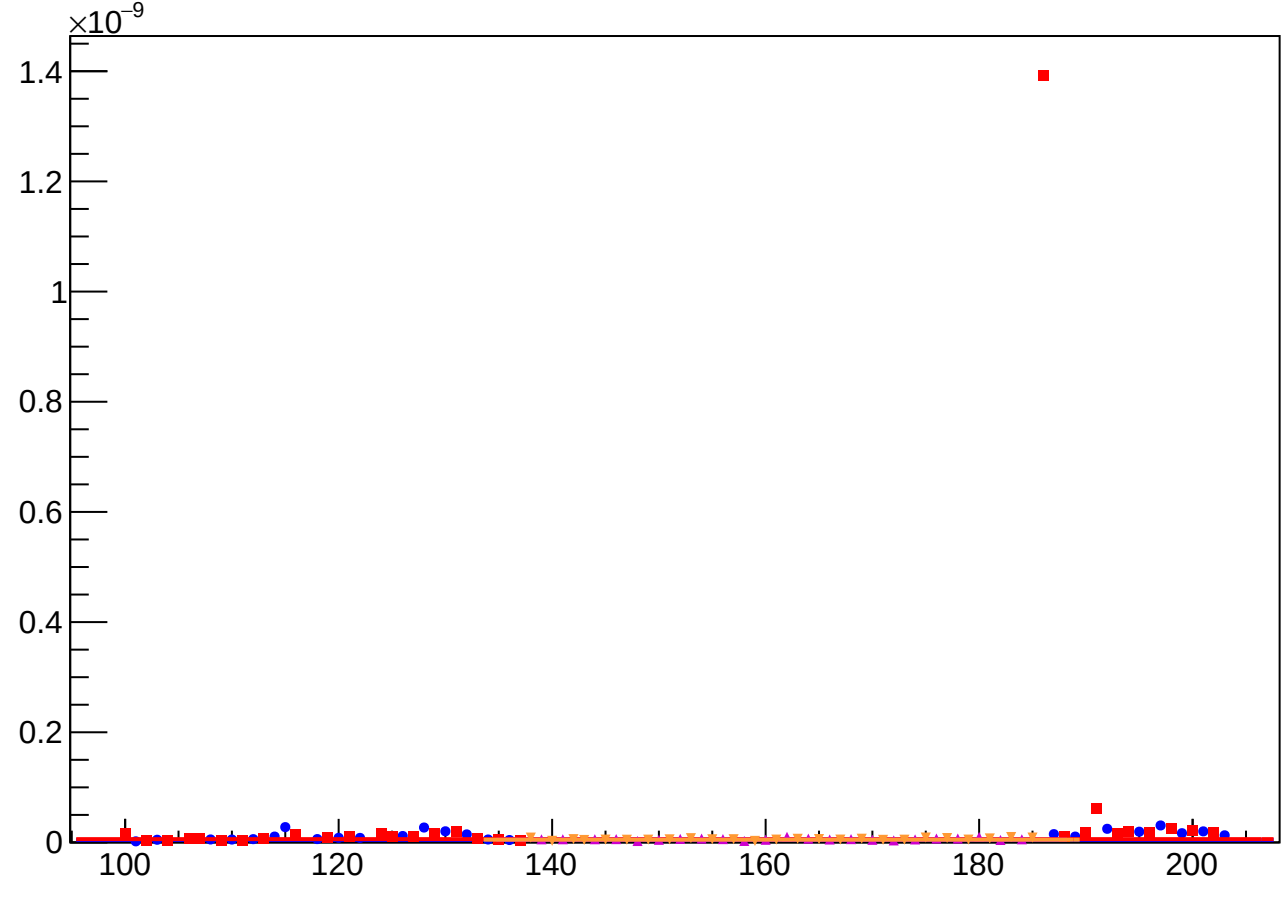
Left: 0.000+/-0.000 χ^2/NDF: 49.1/47

Right: -0.000+/-0.000 χ^2/NDF: 51.6/52

In: 0.000+/-0.000 χ^2/NDF:54.8/46

Out: 0.000+/-0.000 χ^2/NDF:46.2/53

All: 0.000+/-0.000 χ^2/NDF: 101.0/100



Right In: 0.000+/-0.000 χ^2/NDF: 5296350.8/23

Left Out: 0.000+/-0.000 χ^2/NDF:1294137.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 4389815.3/28

Left In: 0.000+/-0.000 χ^2/NDF:1225248.2/22

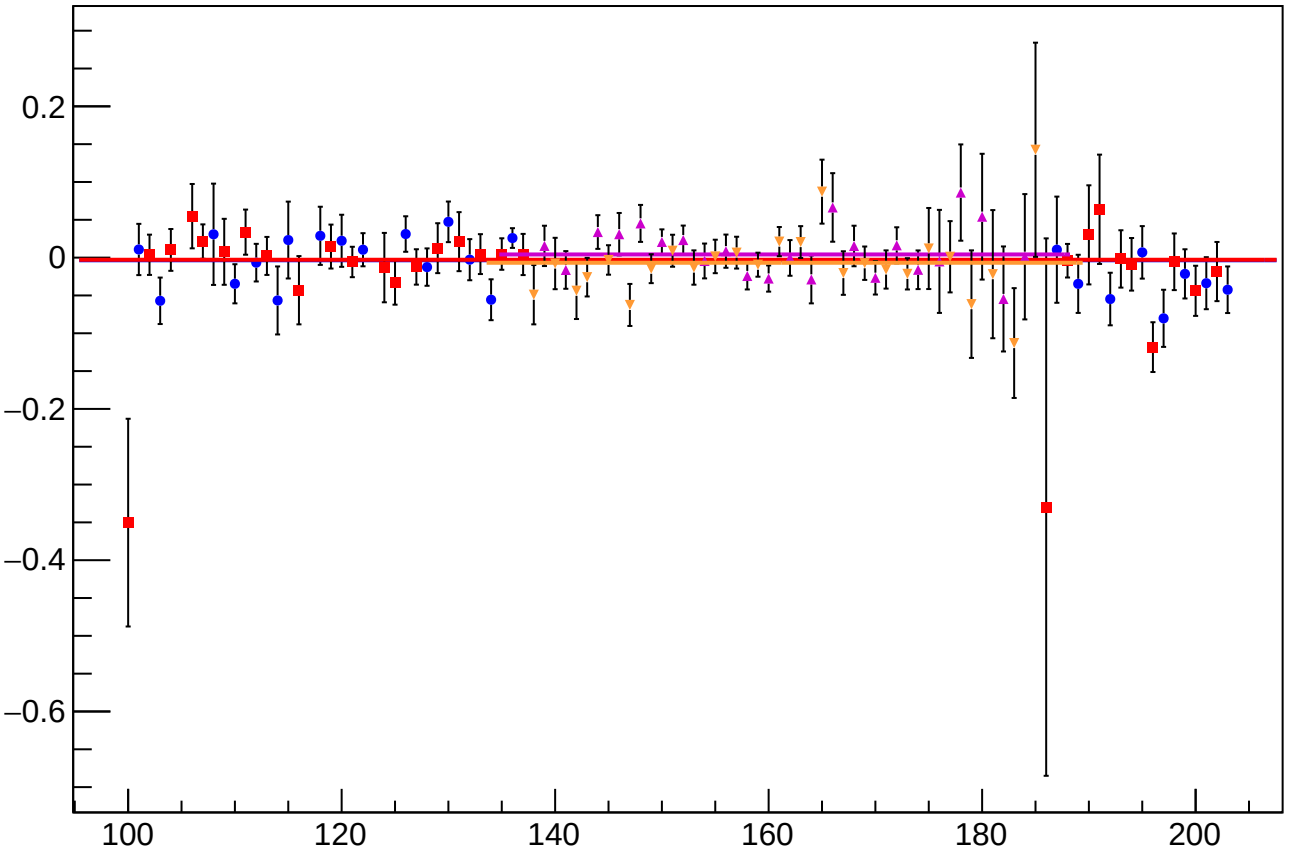
Left: 0.000+/-0.000 χ^2/NDF: 2519997.3/47

Right: 0.000+/-0.000 χ^2/NDF: 10044663.2/52

In: 0.000+/-0.000 χ^2/NDF:6596854.7/46

Out: 0.000+/-0.000 χ^2/NDF:5829553.1/53

All: 0.000+/-0.000 χ^2/NDF: 12564666.0/100



Right In: -0.003+/-0.006 χ^2/NDF: 32.8/23

Left Out: -0.007+/-0.005 χ^2/NDF:21.8/24

Right Out: -0.003+/-0.006 χ^2/NDF: 30.5/28

Left In: 0.004+/-0.005 χ^2/NDF:23.2/22

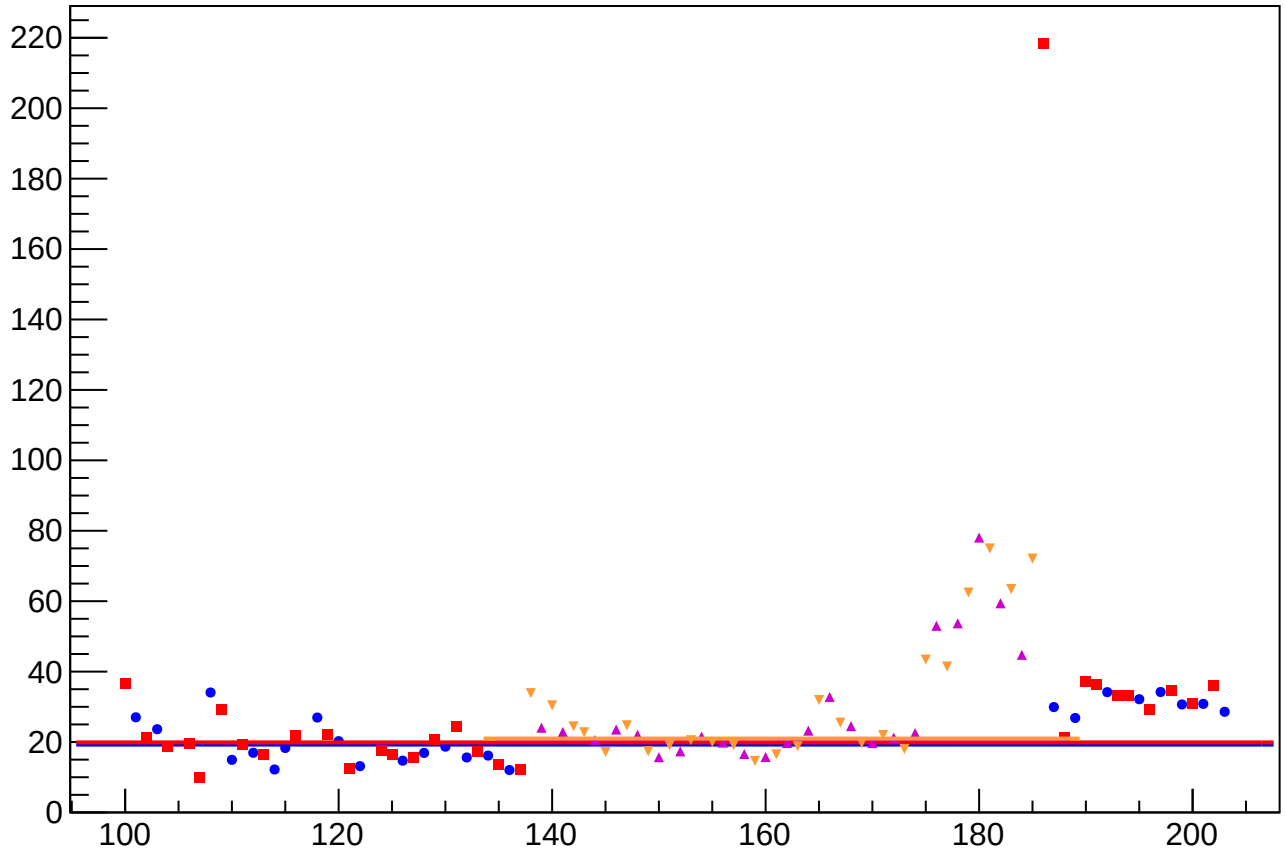
Left: -0.001+/-0.004 χ^2/NDF: 47.1/47

Right: -0.003+/-0.004 χ^2/NDF: 63.3/52

In: 0.001+/-0.004 χ^2/NDF:56.9/46

Out: -0.005+/-0.004 χ^2/NDF:52.6/53

All: -0.002+/-0.003 χ^2/NDF: 110.6/100



Right In: 19.282+/-0.004 χ^2/NDF: 3111748.6/23

Left Out: 20.981+/-0.004 χ^2/NDF:4467011.5/24

Right Out: 19.896+/-0.004 χ^2/NDF: 3753728.5/28

Left In: 20.868+/-0.004 χ^2/NDF:3534877.7/22

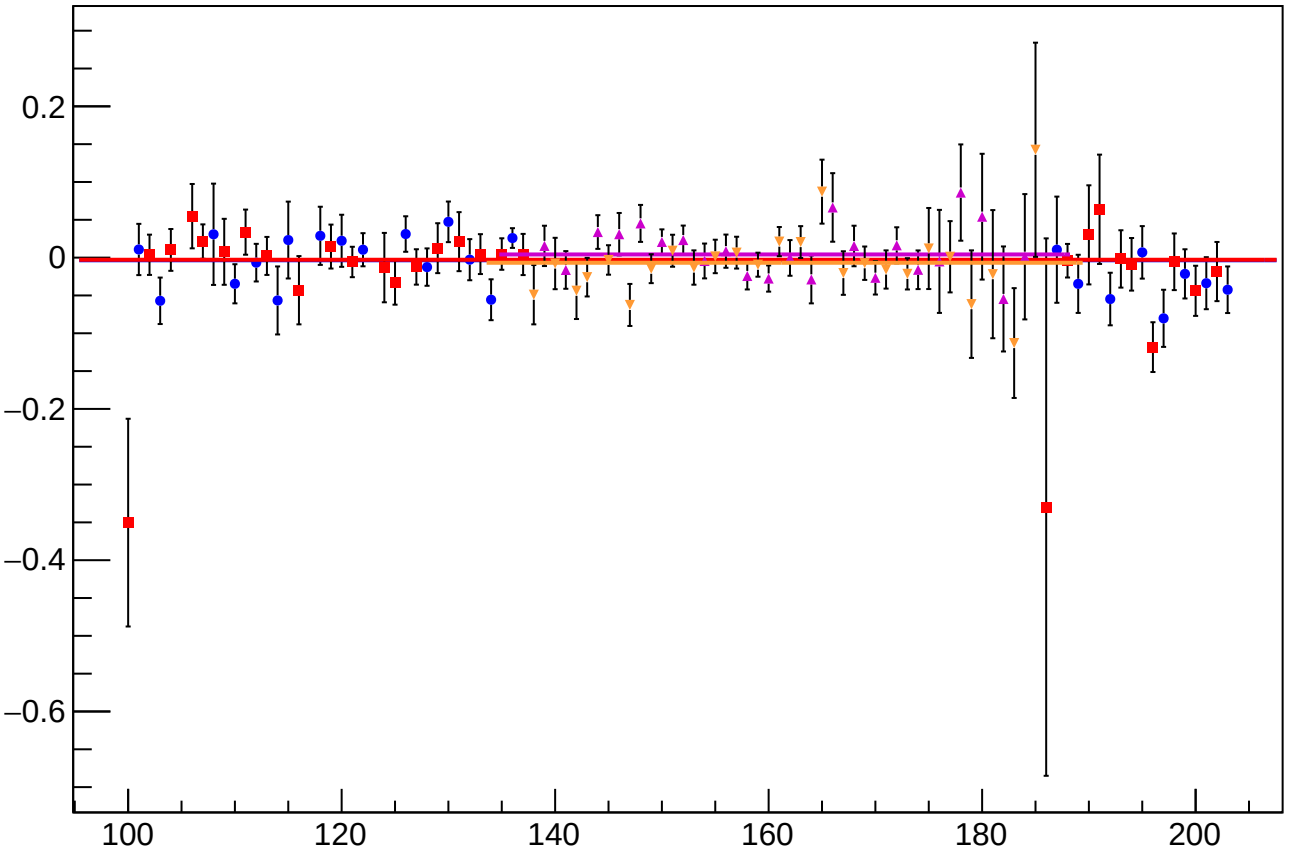
Left: 20.925+/-0.003 χ^2/NDF: 8002354.8/47

Right: 19.592+/-0.003 χ^2/NDF: 6876639.0/52

In: 20.153+/-0.003 χ^2/NDF:6727592.2/46

Out: 20.495+/-0.003 χ^2/NDF:8259711.9/53

All: 20.326+/-0.002 χ^2/NDF: 14994997.5/100



Right In: -0.003+/-0.006 χ^2/NDF: 32.8/23

Left Out: -0.007+/-0.005 χ^2/NDF:21.8/24

Right Out: -0.003+/-0.006 χ^2/NDF: 30.5/28

Left In: 0.004+/-0.005 χ^2/NDF:23.2/22

Left: -0.001+/-0.004 χ^2/NDF: 47.1/47

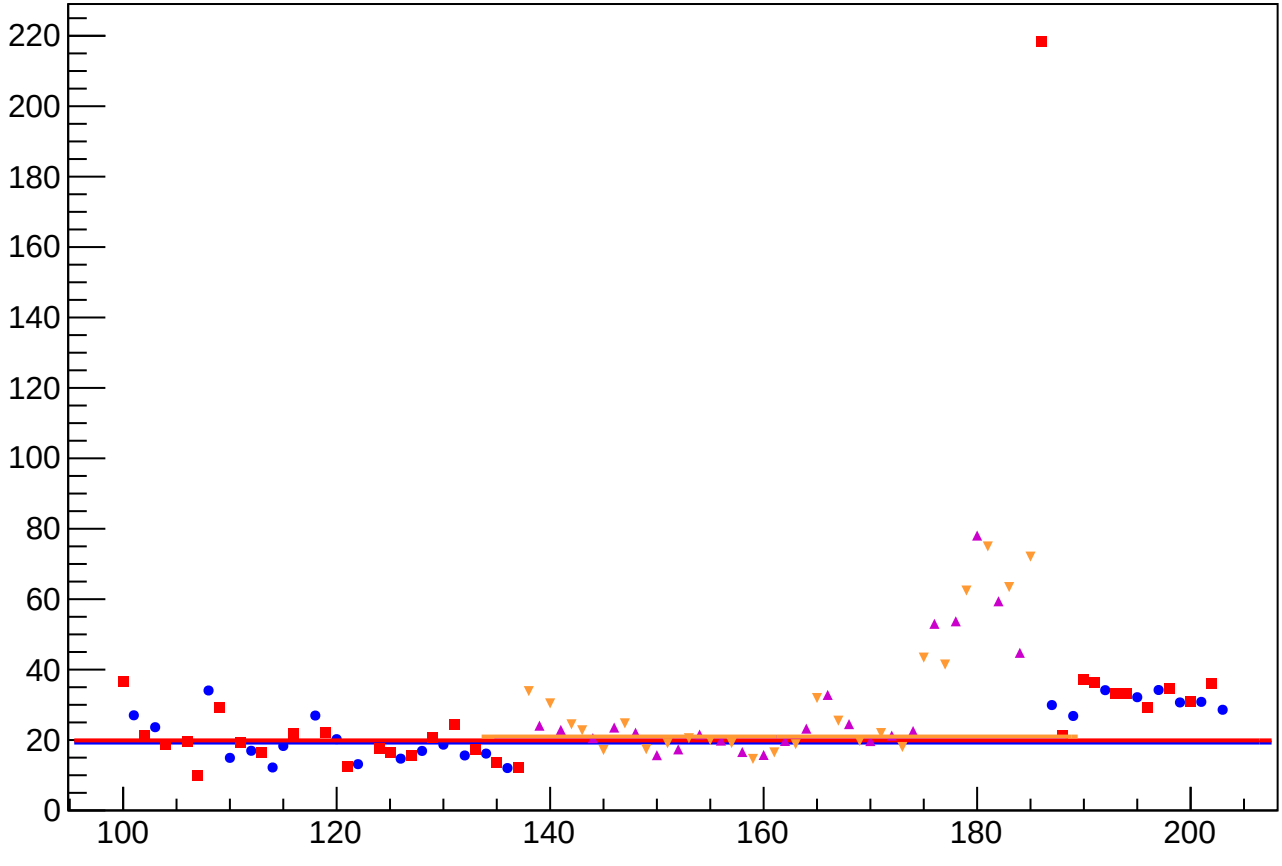
Right: -0.003+/-0.004 χ^2/NDF: 63.3/52

In: 0.001+/-0.004 χ^2/NDF:56.9/46

Out: -0.005+/-0.004 χ^2/NDF:52.6/53

All: -0.002+/-0.003 χ^2/NDF: 110.6/100

asym_sam_15_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 19.282+/-0.004 χ^2/NDF: 3111748.6/23

Left Out: 20.981+/-0.004 χ^2/NDF:4467011.5/24

Right Out: 19.896+/-0.004 χ^2/NDF: 3753728.5/28

Left In: 20.868+/-0.004 χ^2/NDF:3534877.7/22

Left: 20.925+/-0.003 χ^2/NDF: 8002354.8/47

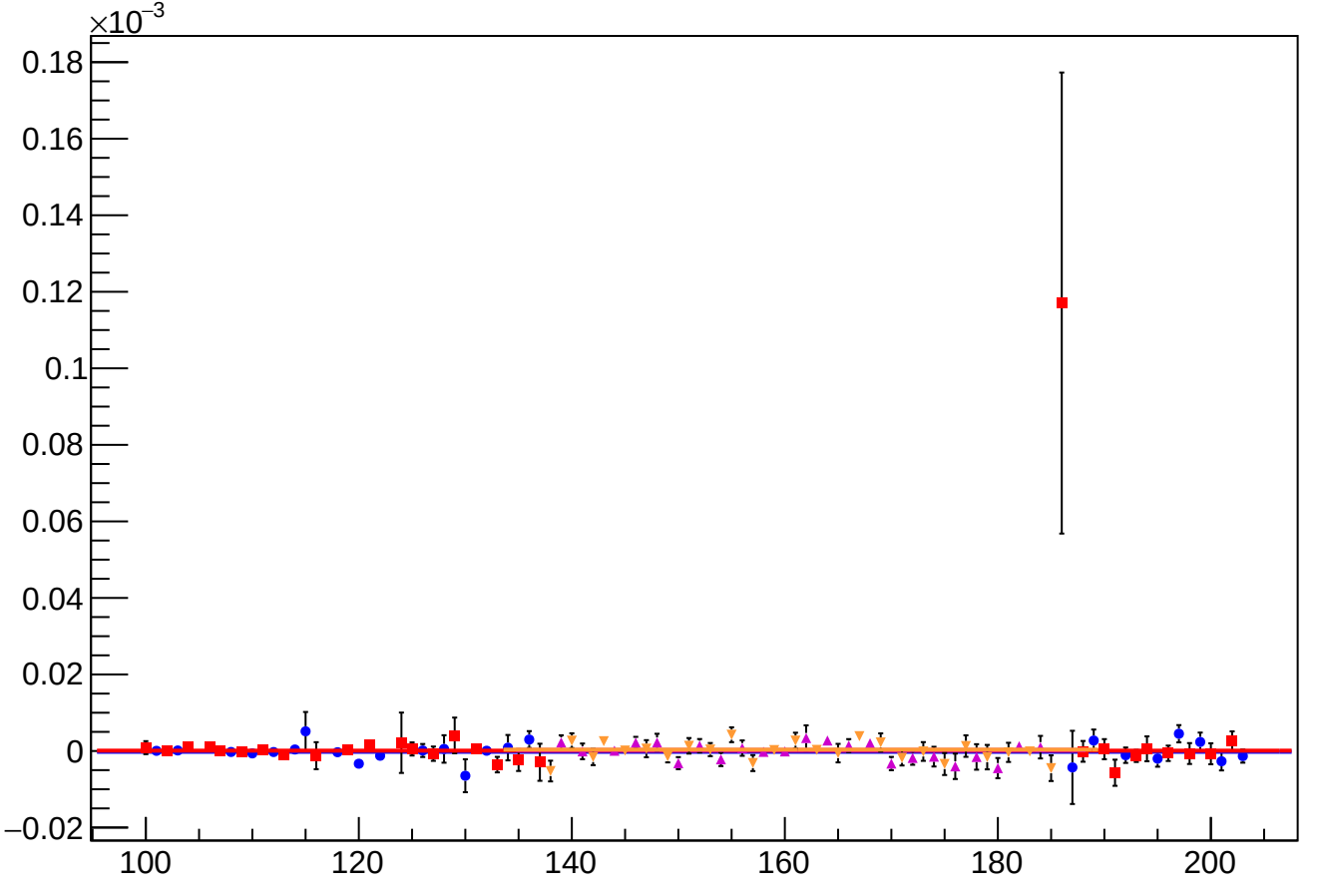
Right: 19.592+/-0.003 χ^2/NDF: 6876639.0/52

In: 20.153+/-0.003 χ^2/NDF:6727592.2/46

Out: 20.495+/-0.003 χ^2/NDF:8259711.9/53

All: 20.326+/-0.002 χ^2/NDF: 14994997.5/100

asym_sam_15_avg_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.000 χ^2/NDF: 23.6/23

Left Out: 0.000+/-0.000 χ^2/NDF:34.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 28.9/28

Left In: 0.000+/-0.000 χ^2/NDF:31.6/22

Left: 0.000+/-0.000 χ^2/NDF: 65.9/47

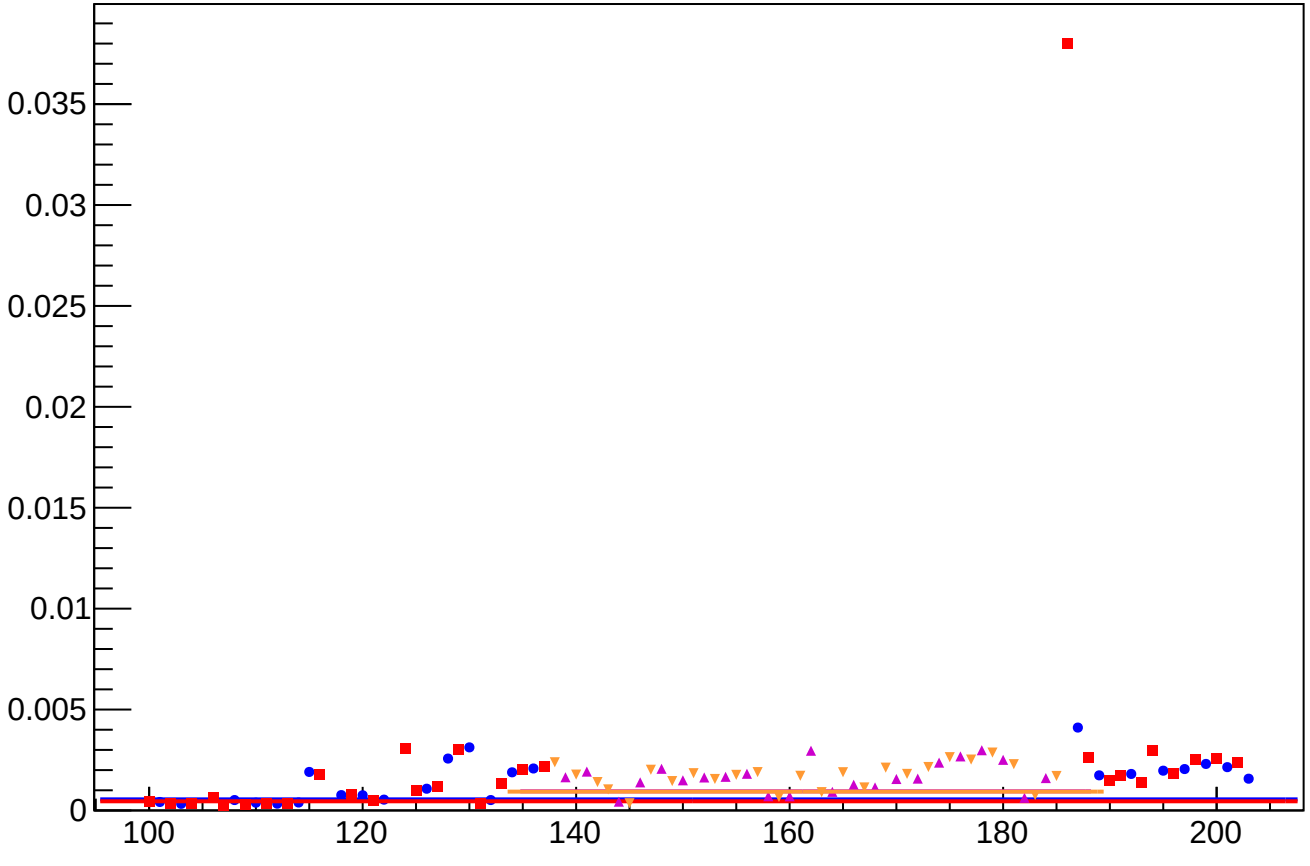
Right: -0.000+/-0.000 χ^2/NDF: 53.8/52

In: -0.000+/-0.000 χ^2/NDF:57.2/46

Out: 0.000+/-0.000 χ^2/NDF:63.9/53

All: 0.000+/-0.000 χ^2/NDF: 122.0/100

asym_sam_15_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.001+/-0.000 χ^2/NDF: 10178872.8/23

Left Out: 0.001+/-0.000 χ^2/NDF:11996378.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 13276967.0/28

Left In: 0.001+/-0.000 χ^2/NDF:9470540.4/22

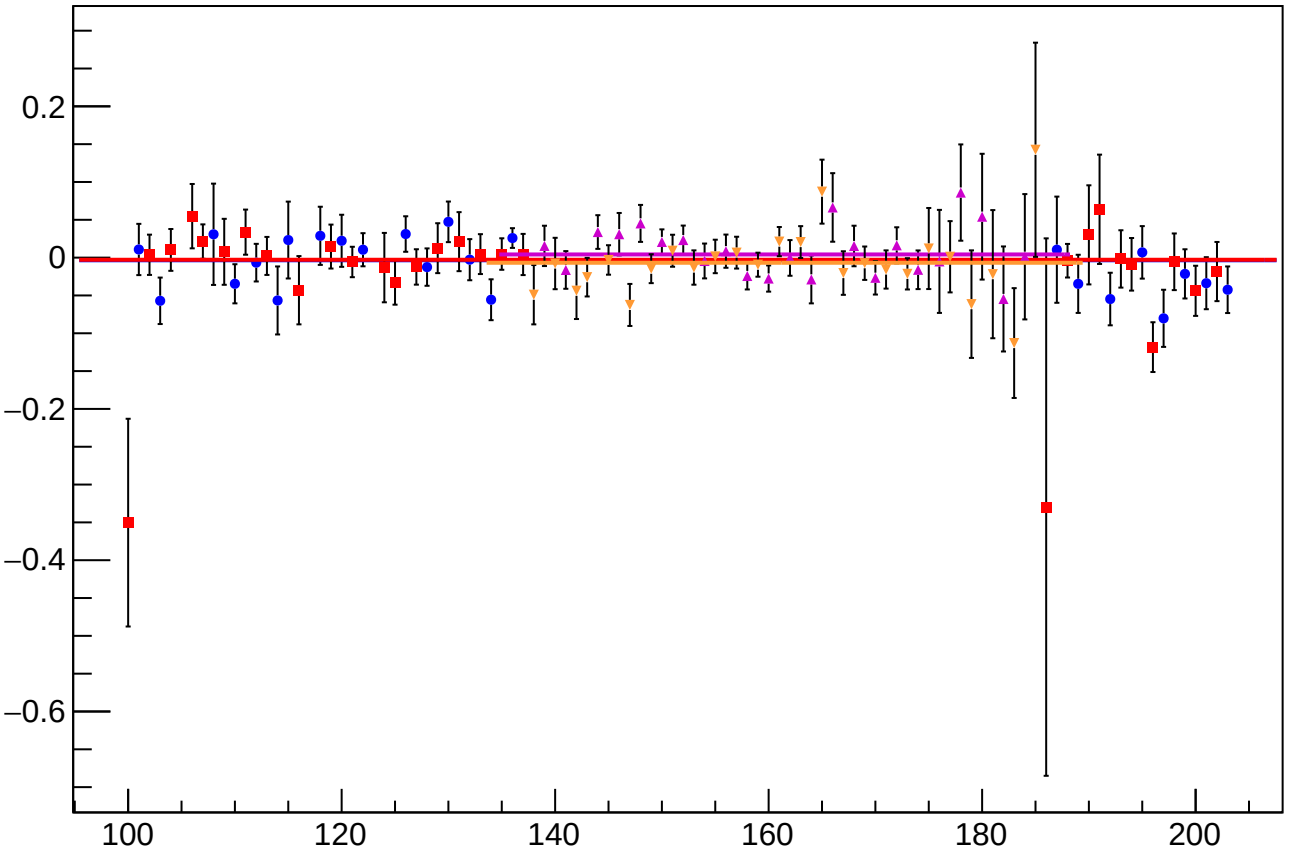
Left: 0.001+/-0.000 χ^2/NDF: 21470091.7/47

Right: 0.000+/-0.000 χ^2/NDF: 23721064.5/52

In: 0.001+/-0.000 χ^2/NDF:22538732.0/46

Out: 0.001+/-0.000 χ^2/NDF:30012464.4/53

All: 0.001+/-0.000 χ^2/NDF: 53003875.1/100



Right In: -0.003+/-0.006 χ^2/NDF: 32.8/23

Left Out: -0.007+/-0.005 χ^2/NDF:21.8/24

Right Out: -0.003+/-0.006 χ^2/NDF: 30.5/28

Left In: 0.004+/-0.005 χ^2/NDF:23.2/22

Left: -0.001+/-0.004 χ^2/NDF: 47.1/47

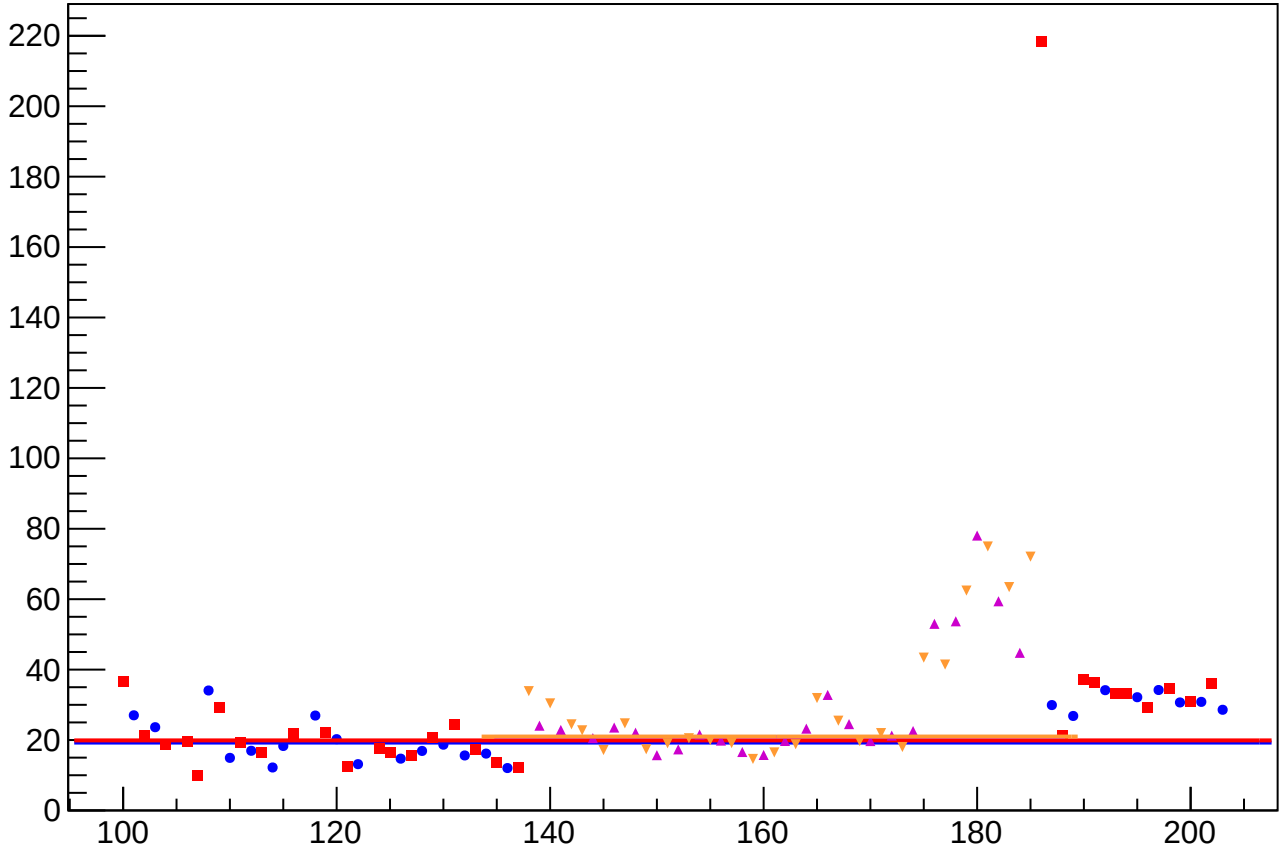
Right: -0.003+/-0.004 χ^2/NDF: 63.3/52

In: 0.001+/-0.004 χ^2/NDF:56.9/46

Out: -0.005+/-0.004 χ^2/NDF:52.6/53

All: -0.002+/-0.003 χ^2/NDF: 110.6/100

asym_sam_15_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 19.281+/-0.004 χ^2/NDF: 3111775.4/23

Left Out: 20.981+/-0.004 χ^2/NDF:4466984.6/24

Right Out: 19.895+/-0.004 χ^2/NDF: 3753764.7/28

Left In: 20.868+/-0.004 χ^2/NDF:3534923.5/22

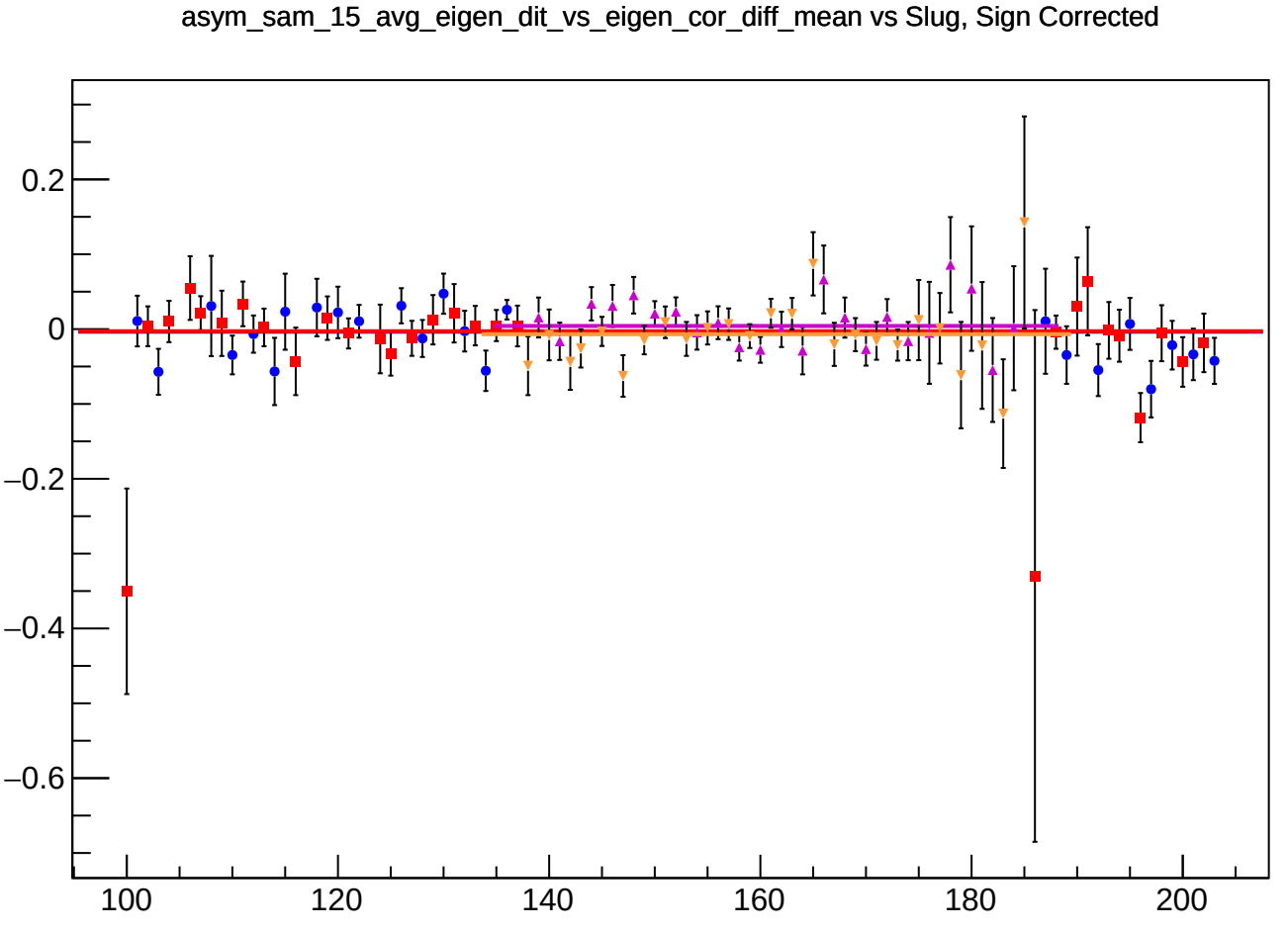
Left: 20.925+/-0.003 χ^2/NDF: 8002374.3/47

Right: 19.592+/-0.003 χ^2/NDF: 6876699.9/52

In: 20.153+/-0.003 χ^2/NDF:6727690.9/46

Out: 20.495+/-0.003 χ^2/NDF:8259748.7/53

All: 20.326+/-0.002 χ^2/NDF: 14995133.6/100



Right In: -0.003+/-0.006 χ^2/NDF: 32.8/23

Left Out: -0.007+/-0.005 χ^2/NDF:21.8/24

Right Out: -0.003+/-0.006 χ^2/NDF: 30.5/28

Left In: 0.004+/-0.005 χ^2/NDF:23.2/22

Left: -0.001+/-0.004 χ^2/NDF: 47.1/47

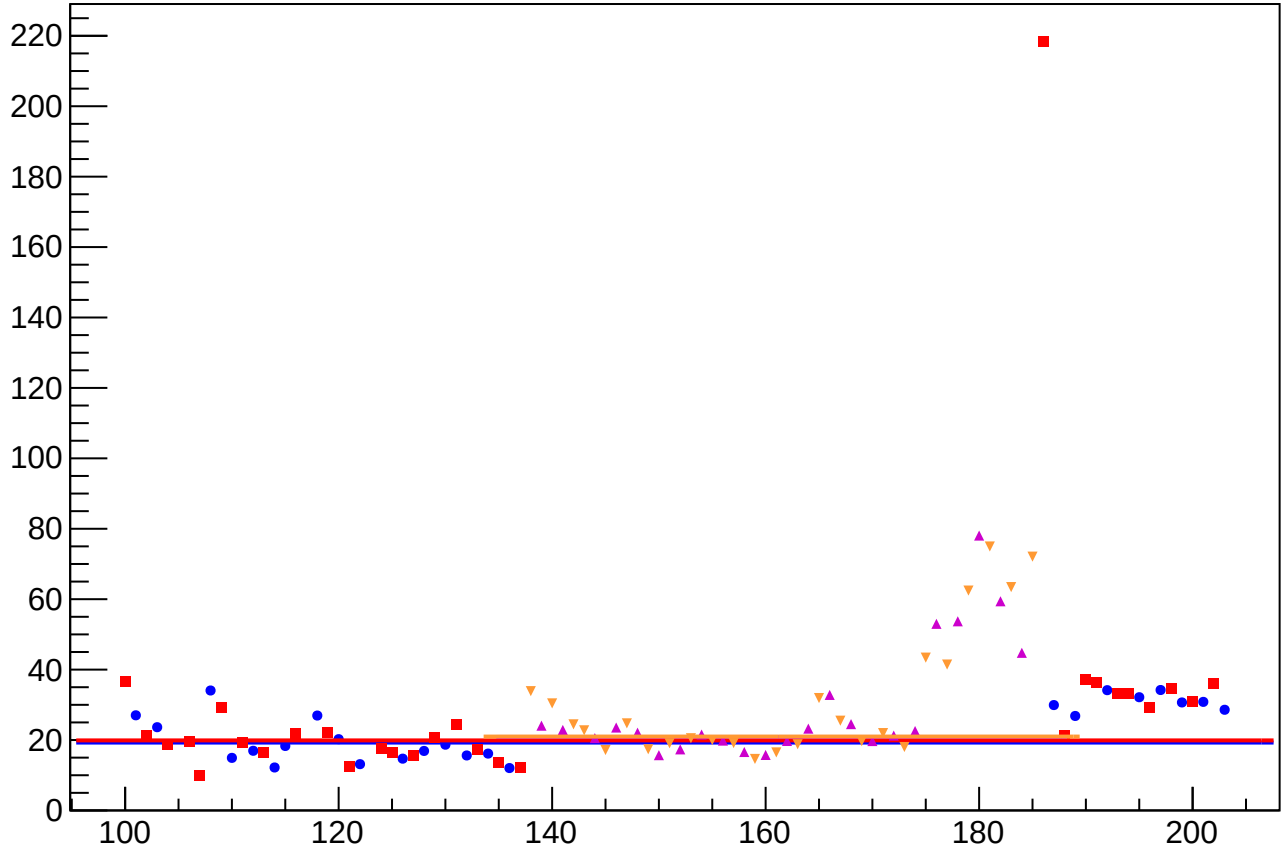
Right: -0.003+/-0.004 χ^2/NDF: 63.3/52

In: 0.001+/-0.004 χ^2/NDF:56.9/46

Out: -0.005+/-0.004 χ^2/NDF:52.6/53

All: -0.002+/-0.003 χ^2/NDF: 110.6/100

asym_sam_15_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 19.281+/-0.004 χ^2/NDF: 3111775.4/23

Left Out: 20.981+/-0.004 χ^2/NDF:4466984.6/24

Right Out: 19.895+/-0.004 χ^2/NDF: 3753764.7/28

Left In: 20.868+/-0.004 χ^2/NDF:3534923.5/22

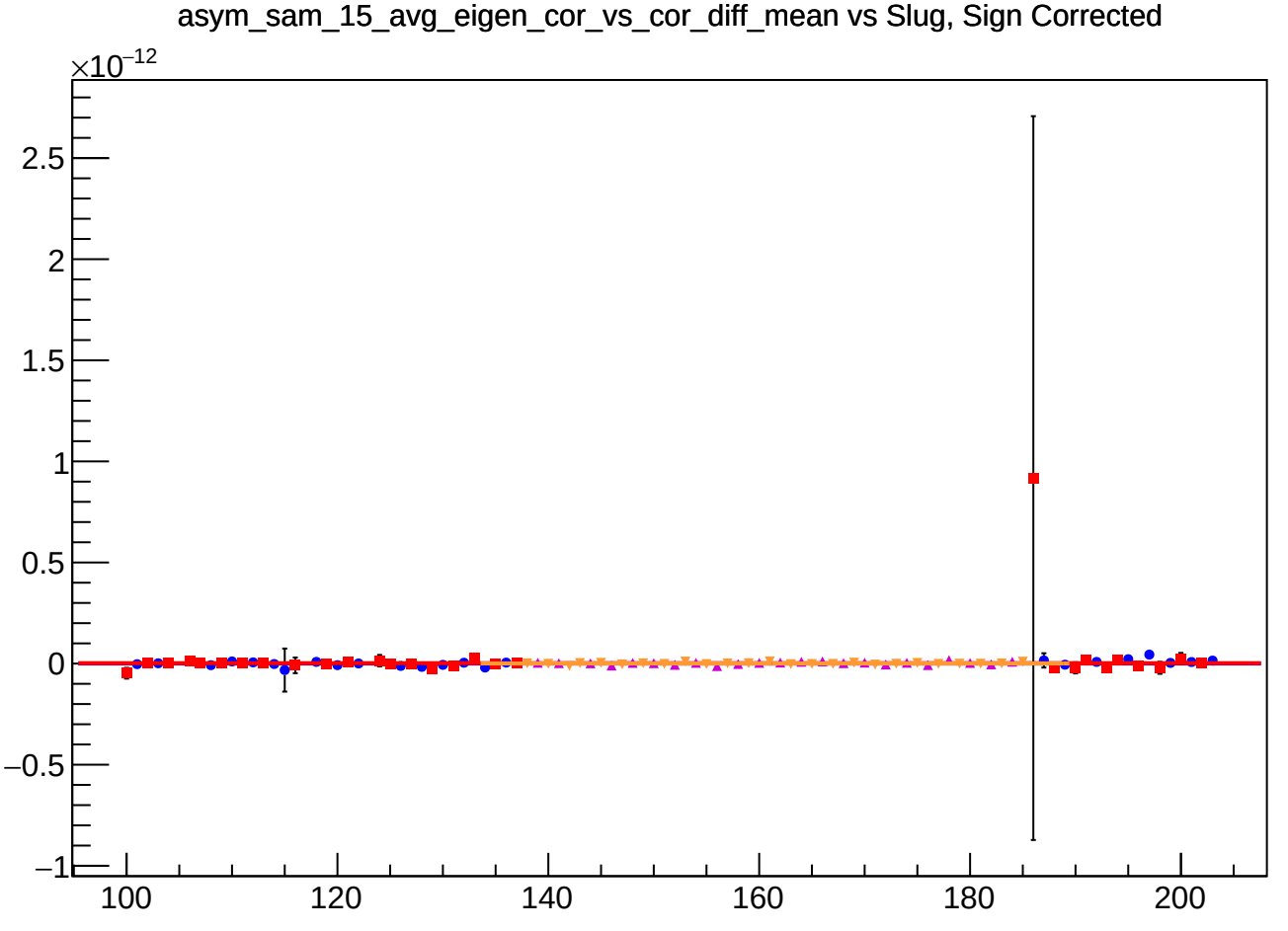
Left: 20.925+/-0.003 χ^2/NDF: 8002374.3/47

Right: 19.592+/-0.003 χ^2/NDF: 6876699.9/52

In: 20.153+/-0.003 χ^2/NDF:6727690.9/46

Out: 20.495+/-0.003 χ^2/NDF:8259748.7/53

All: 20.326+/-0.002 χ^2/NDF: 14995133.6/100



Right In: 0.000+/-0.000 χ^2/NDF: 20.4/23

Left Out: 0.000+/-0.000 χ^2/NDF:14.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 22.2/28

Left In: 0.000+/-0.000 χ^2/NDF:26.5/22

Left: 0.000+/-0.000 χ^2/NDF: 41.0/47

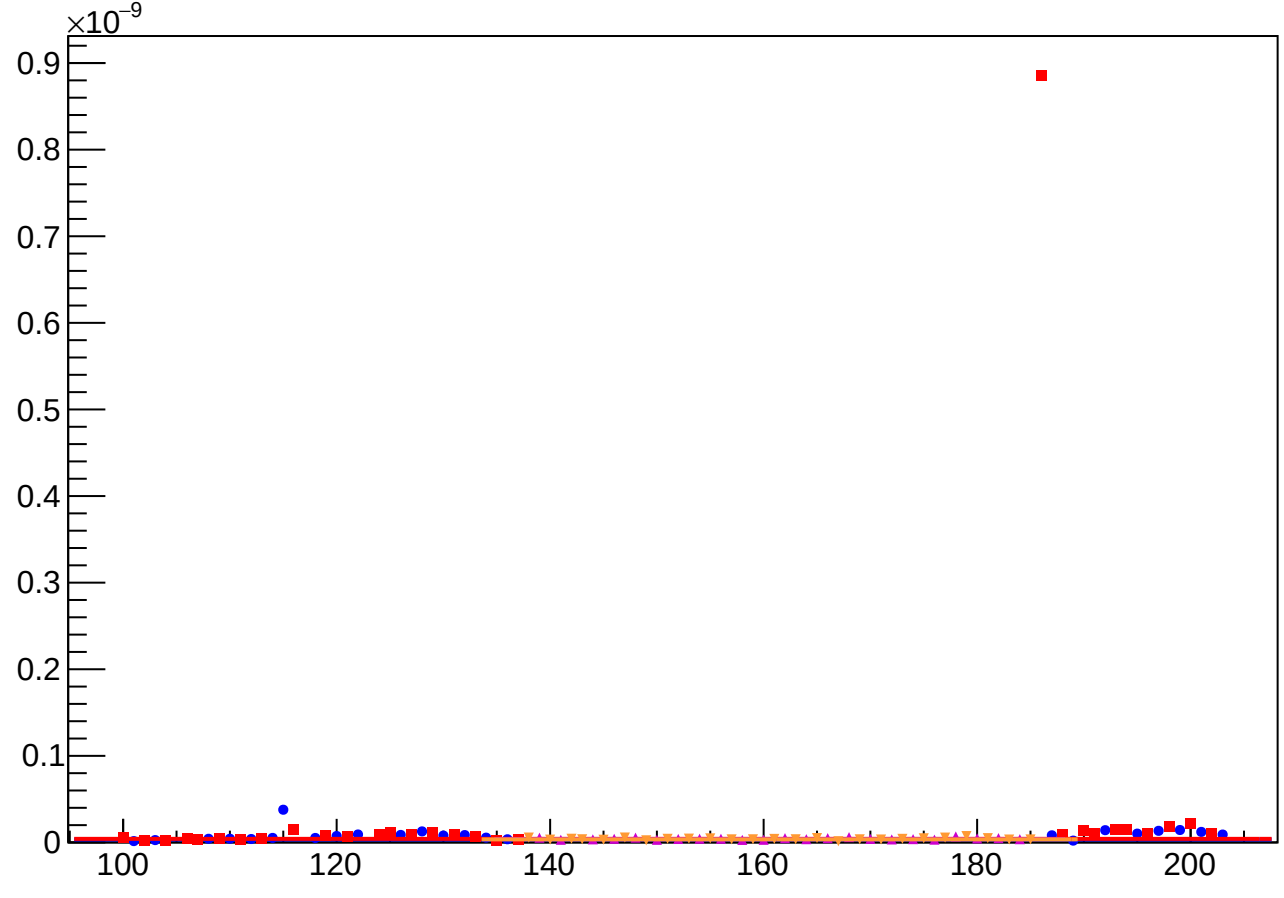
Right: 0.000+/-0.000 χ^2/NDF: 43.5/52

In: 0.000+/-0.000 χ^2/NDF:47.0/46

Out: 0.000+/-0.000 χ^2/NDF:37.5/53

All: 0.000+/-0.000 χ^2/NDF: 84.7/100

asym_sam_15_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 6113900.1/23

Left Out: 0.000+/-0.000 χ^2/NDF:2527443.7/24

Right Out: 0.000+/-0.000 χ^2/NDF: 6937493.2/28

Left In: 0.000+/-0.000 χ^2/NDF:1198286.8/22

Left: 0.000+/-0.000 χ^2/NDF: 3840820.1/47

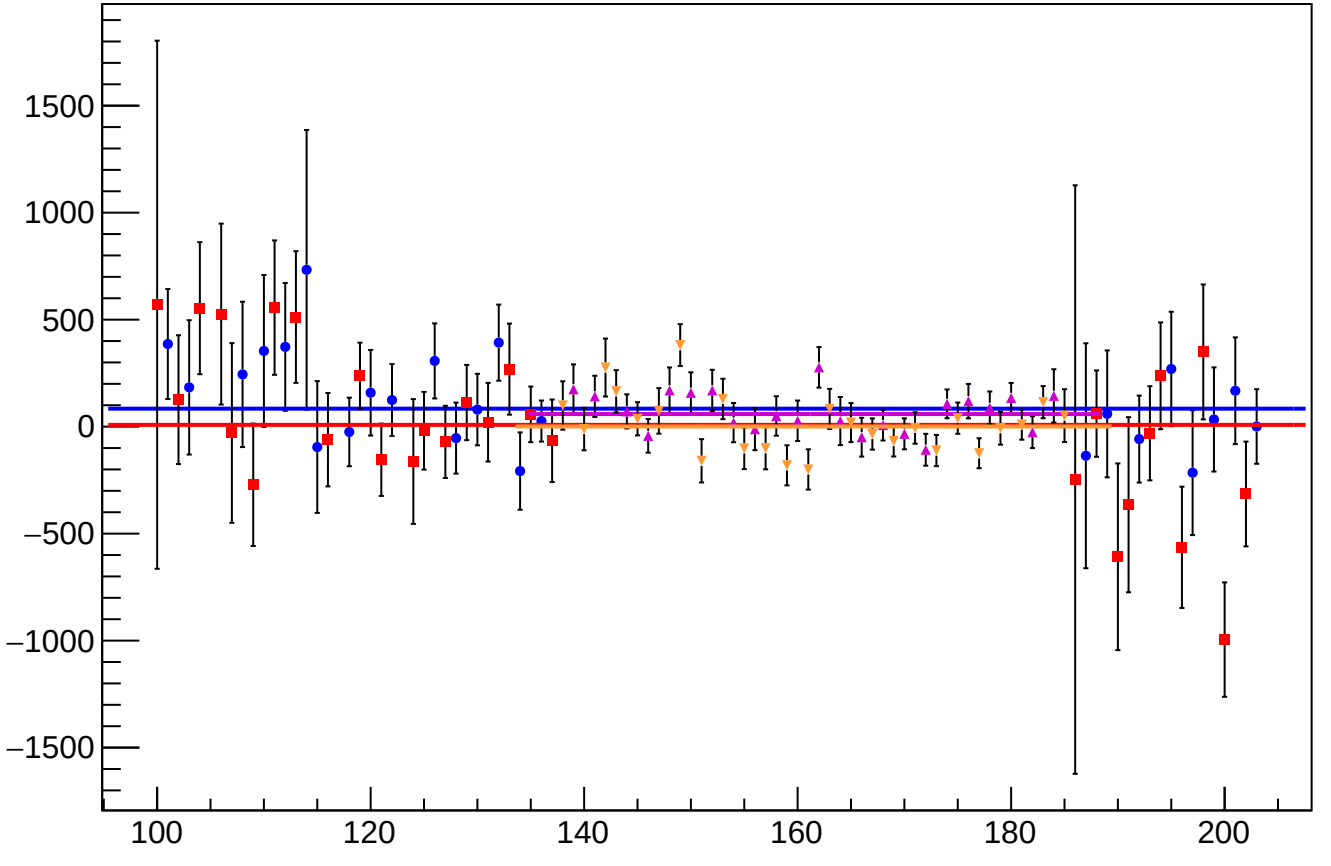
Right: 0.000+/-0.000 χ^2/NDF: 13234550.9/52

In: 0.000+/-0.000 χ^2/NDF:7427371.9/46

Out: 0.000+/-0.000 χ^2/NDF:9648526.7/53

All: 0.000+/-0.000 χ^2/NDF: 17078259.1/100

reg_asym_sam_26_avg_mean vs Slug, Sign Corrected



Right In: 84.017+/-41.827 χ^2/NDF: 16.1/23

Left Out: 0.598+/-17.319 χ^2/NDF:48.6/24

Right Out: 8.333+/-43.146 χ^2/NDF: 42.5/28

Left In: 58.907+/-17.879 χ^2/NDF:25.8/22

Left: 28.825+/-12.440 χ^2/NDF: 79.9/47

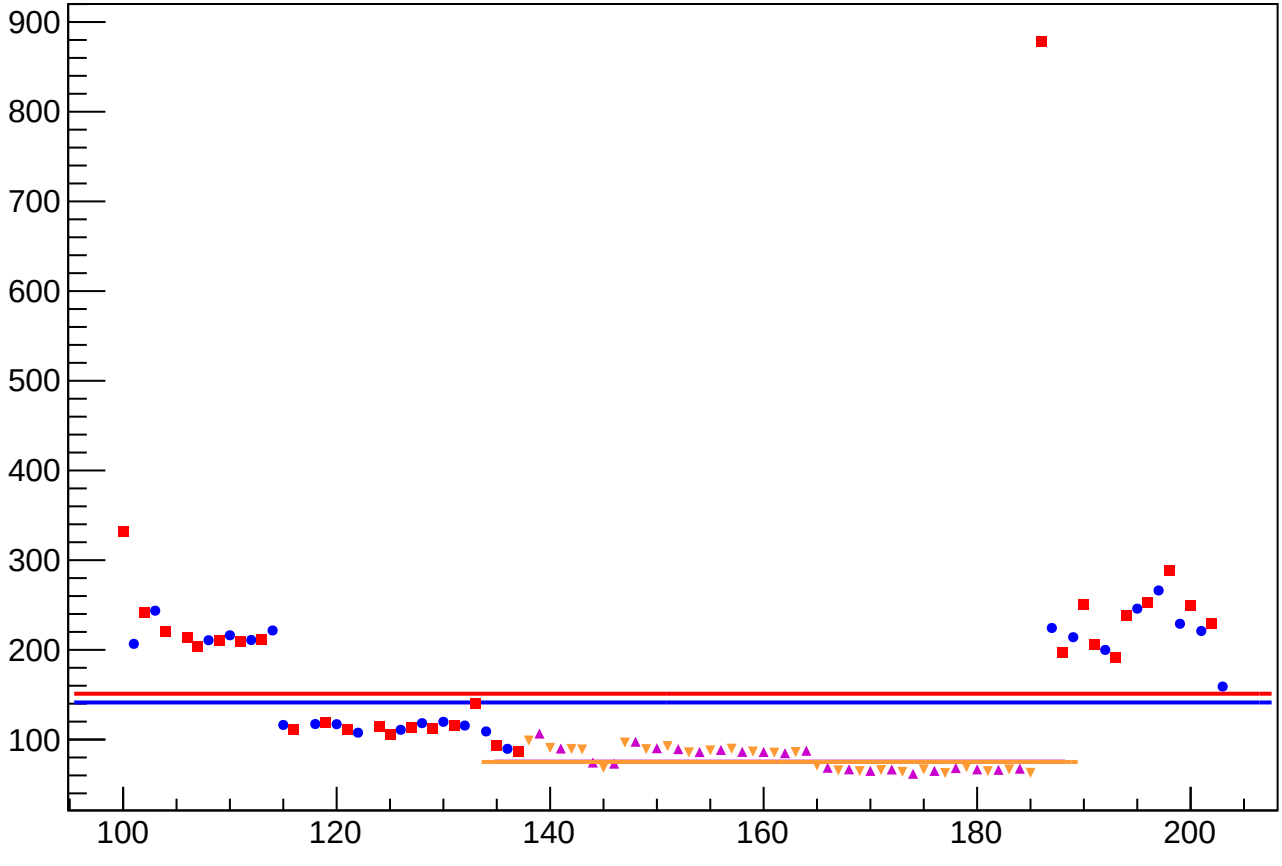
Right: 47.350+/-30.032 χ^2/NDF: 60.1/52

In: 62.786+/-16.440 χ^2/NDF:42.2/46

Out: 1.671+/-16.073 χ^2/NDF:91.1/53

All: 31.538+/-11.493 χ^2/NDF: 140.4/100

reg_asym_sam_26_avg_rms vs Slug, Sign Corrected



Right In: 141.342+/-0.030 χ^2/NDF: 3133984.0/23

Left Out: 75.041+/-0.012 χ^2/NDF:928107.8/24

Right Out: 151.103+/-0.031 χ^2/NDF: 4177584.9/28

Left In: 75.352+/-0.013 χ^2/NDF:837634.2/22

Left: 75.192+/-0.009 χ^2/NDF: 1766053.8/47

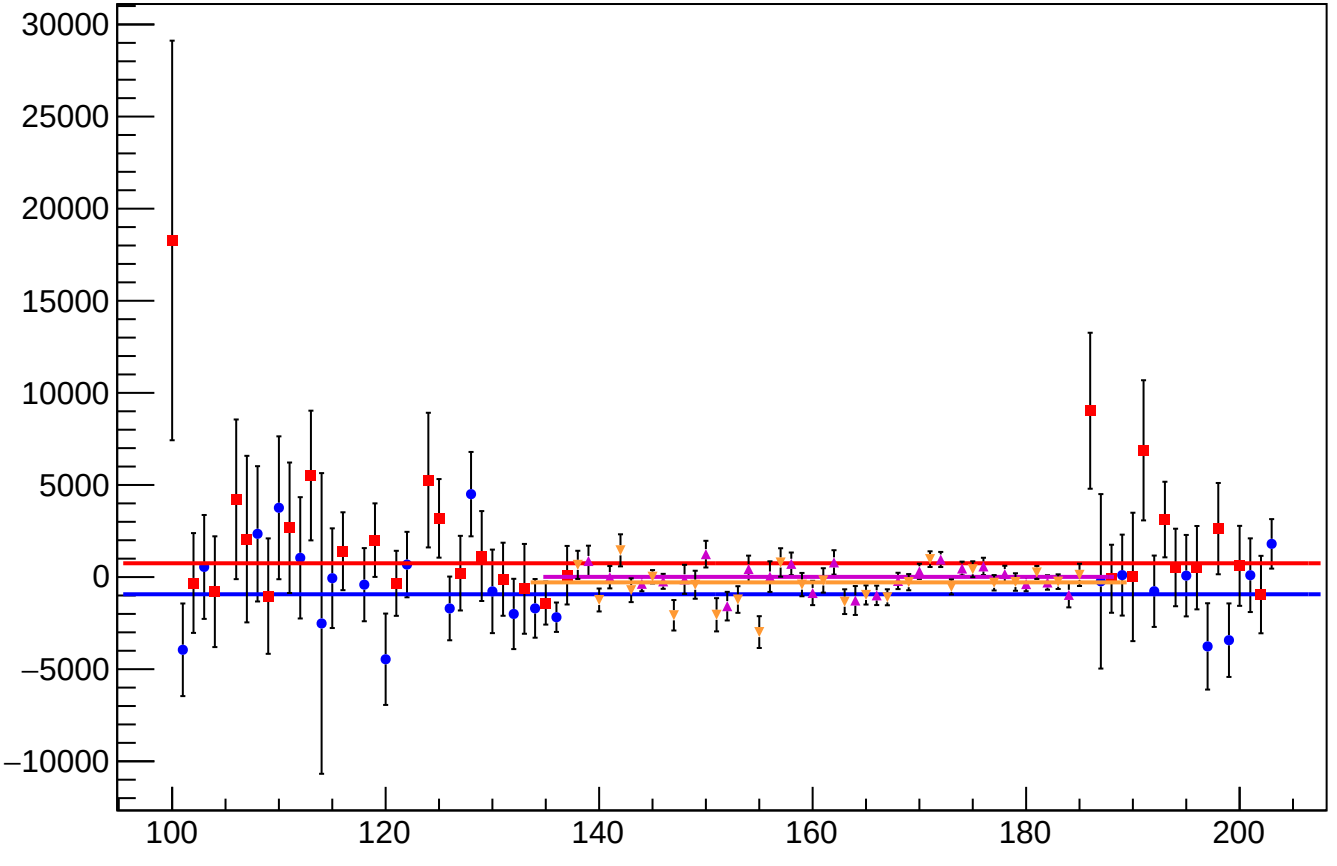
Right: 146.071+/-0.021 χ^2/NDF: 7364332.0/52

In: 85.547+/-0.012 χ^2/NDF:8180755.8/46

Out: 85.596+/-0.011 χ^2/NDF:10458634.8/53

All: 85.572+/-0.008 χ^2/NDF: 18639399.9/100

asym_sam_26_avg_reg_correction_mean vs Slug, Sign Corrected



Right In: -933.127+/-397.791 χ^2/NDF: 24.1/23

Left Out: -288.079+/-105.231 χ^2/NDF:53.3/24

Right Out: 749.410+/-428.993 χ^2/NDF: 23.4/28

Left In: 10.643+/-107.669 χ^2/NDF:33.4/22

Left: -142.139+/-75.257 χ^2/NDF: 90.6/47

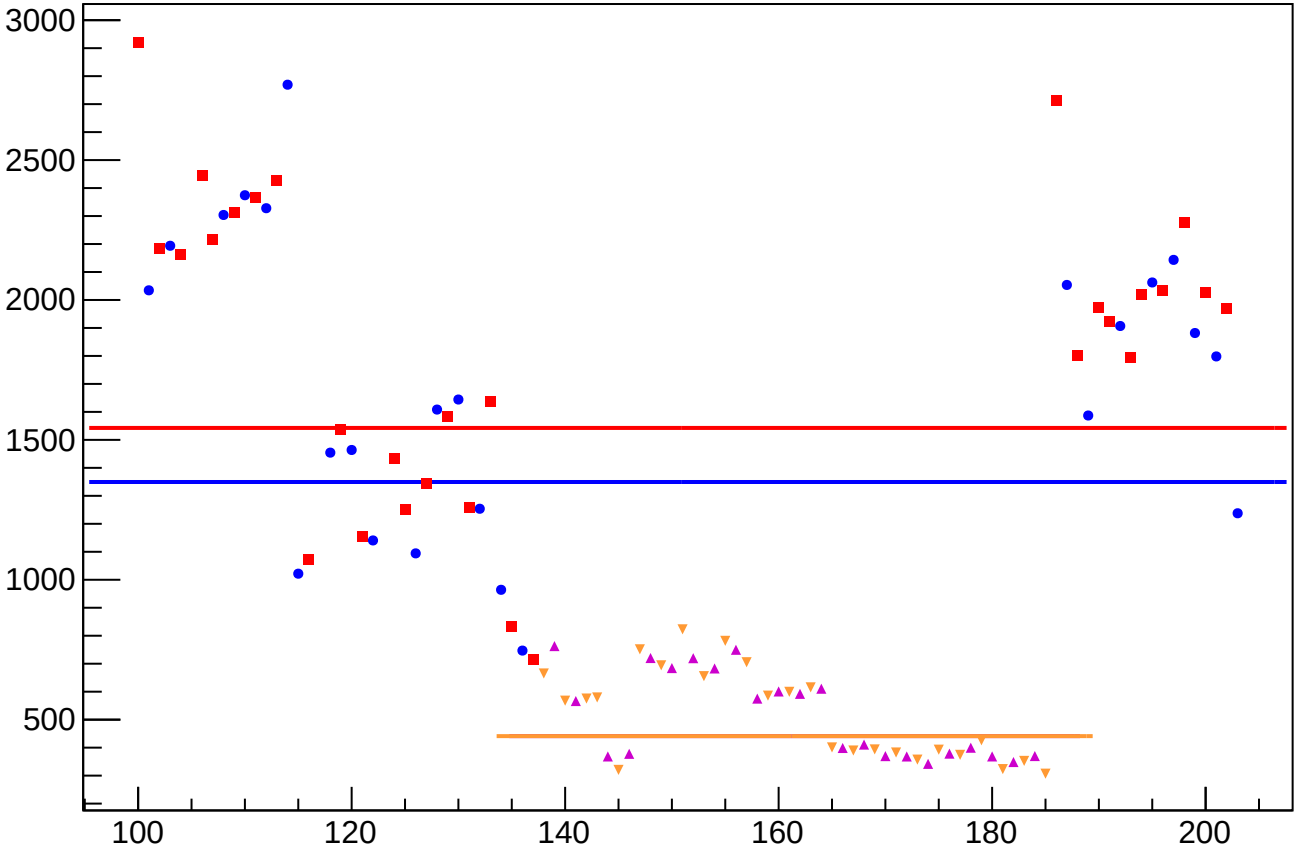
Right: -155.265+/-291.689 χ^2/NDF: 55.8/52

In: -53.779+/-103.930 χ^2/NDF:62.8/46

Out: -229.195+/-102.201 χ^2/NDF:82.2/53

All: -142.958+/-72.871 χ^2/NDF: 146.4/100

asym_sam_26_avg_reg_correction_rms vs Slug, Sign Corrected



Right In: 1349.442+/-0.281 χ^2/NDF: 3199479.3/23

Left Out: 441.128+/-0.074 χ^2/NDF:3234629.2/24

Right Out: 1542.673+/-0.303 χ^2/NDF: 3121307.7/28

Left In: 441.196+/-0.076 χ^2/NDF:2682075.8/22

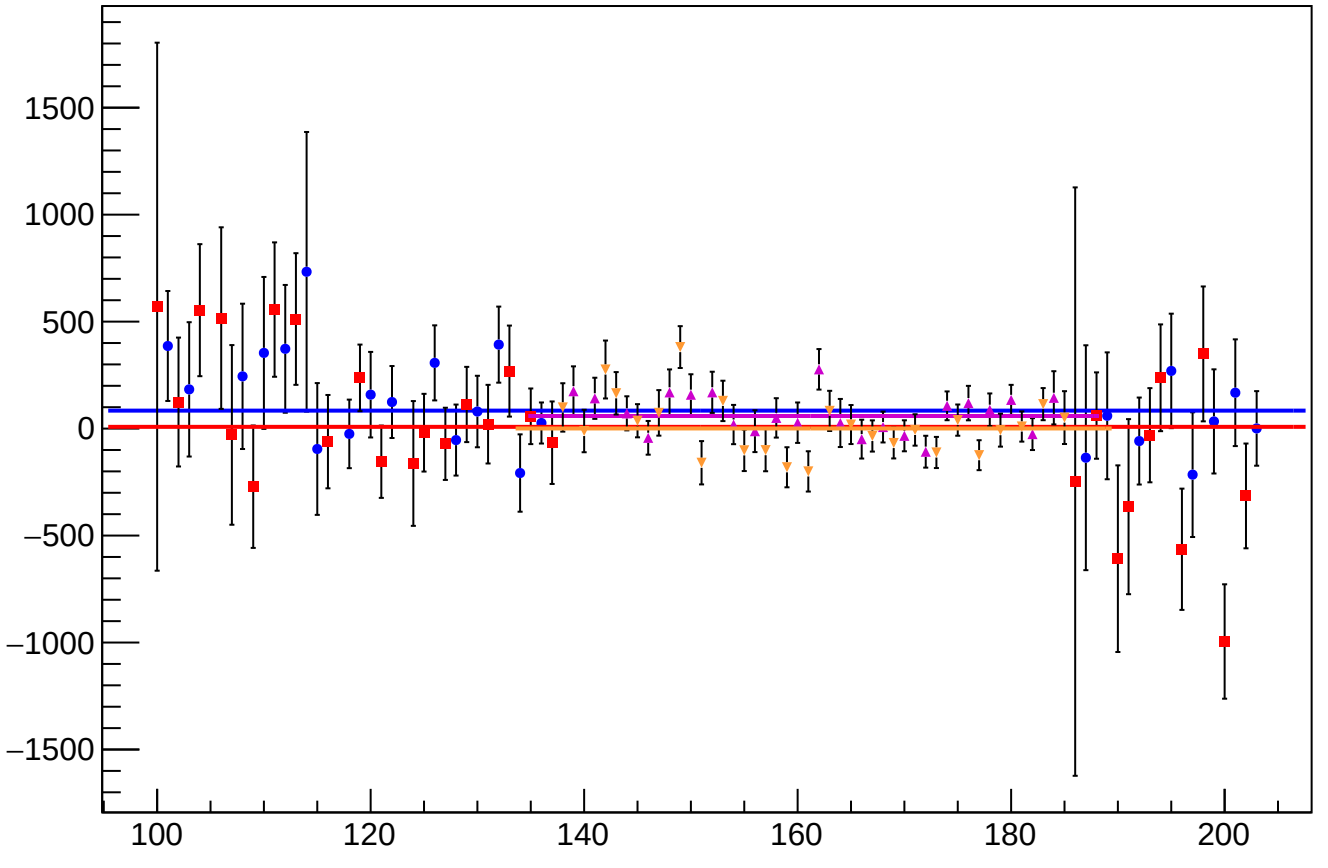
Left: 441.161+/-0.053 χ^2/NDF: 5916705.4/47

Right: 1438.775+/-0.206 χ^2/NDF: 6538965.3/52

In: 503.193+/-0.073 χ^2/NDF:15596058.8/46

Out: 503.648+/-0.072 χ^2/NDF:18794114.2/53

All: 503.424+/-0.052 χ^2/NDF: 34390192.4/10



Right In: 84.003+/-41.827 χ^2/NDF: 16.1/23

Left Out: 0.598+/-17.319 χ^2/NDF:48.6/24

Right Out: 8.155+/-43.148 χ^2/NDF: 42.4/28

Left In: 58.904+/-17.879 χ^2/NDF:25.8/22

Left: 28.824+/-12.440 χ^2/NDF: 79.9/47

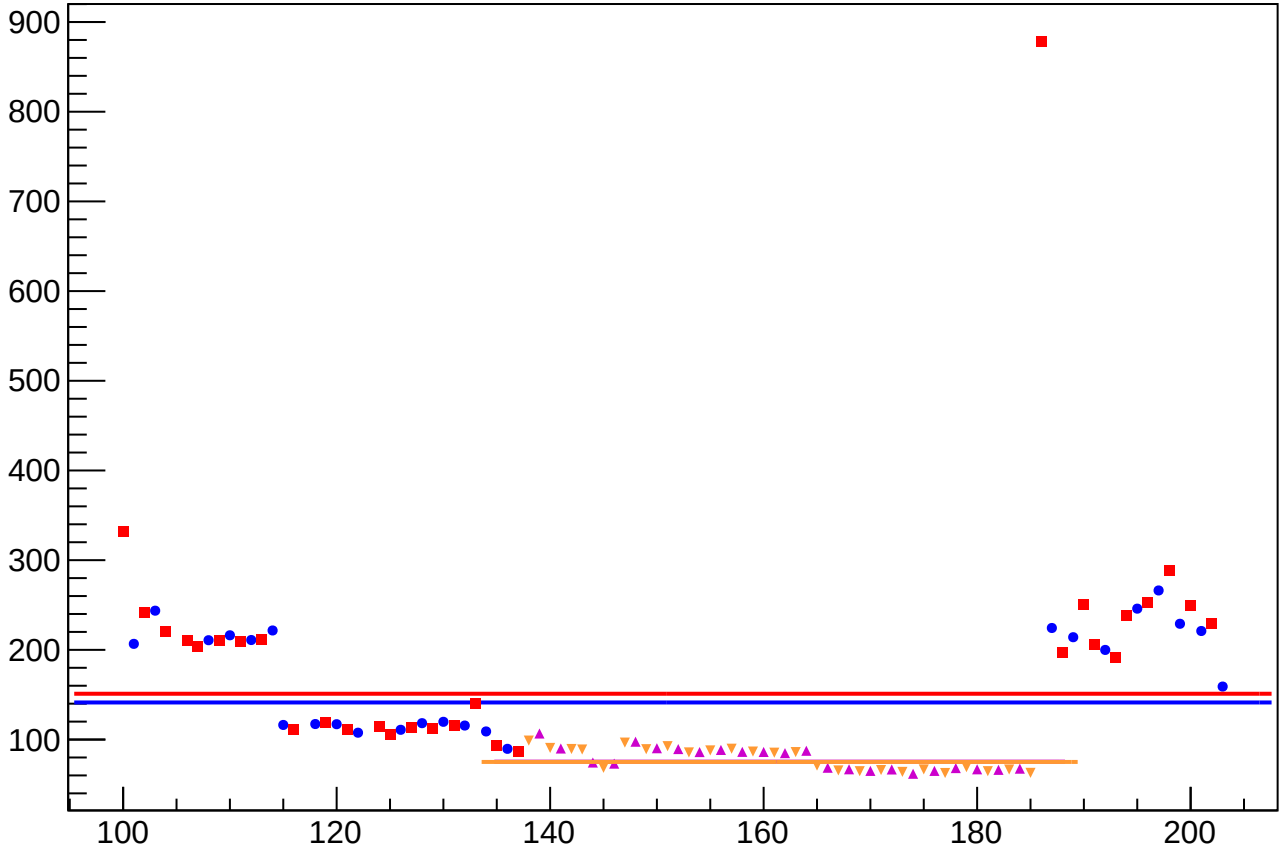
Right: 47.258+/-30.032 χ^2/NDF: 60.1/52

In: 62.782+/-16.440 χ^2/NDF:42.2/46

Out: 1.646+/-16.073 χ^2/NDF:91.0/53

All: 31.524+/-11.493 χ^2/NDF: 140.3/100

cor_asym_sam_26_avg_rms vs Slug, Sign Corrected



Right In: 141.342+/-0.030 χ^2/NDF: 3133986.5/23

Left Out: 75.041+/-0.012 χ^2/NDF:928107.8/24

Right Out: 151.067+/-0.031 χ^2/NDF: 4173397.8/28

Left In: 75.352+/-0.013 χ^2/NDF:837634.2/22

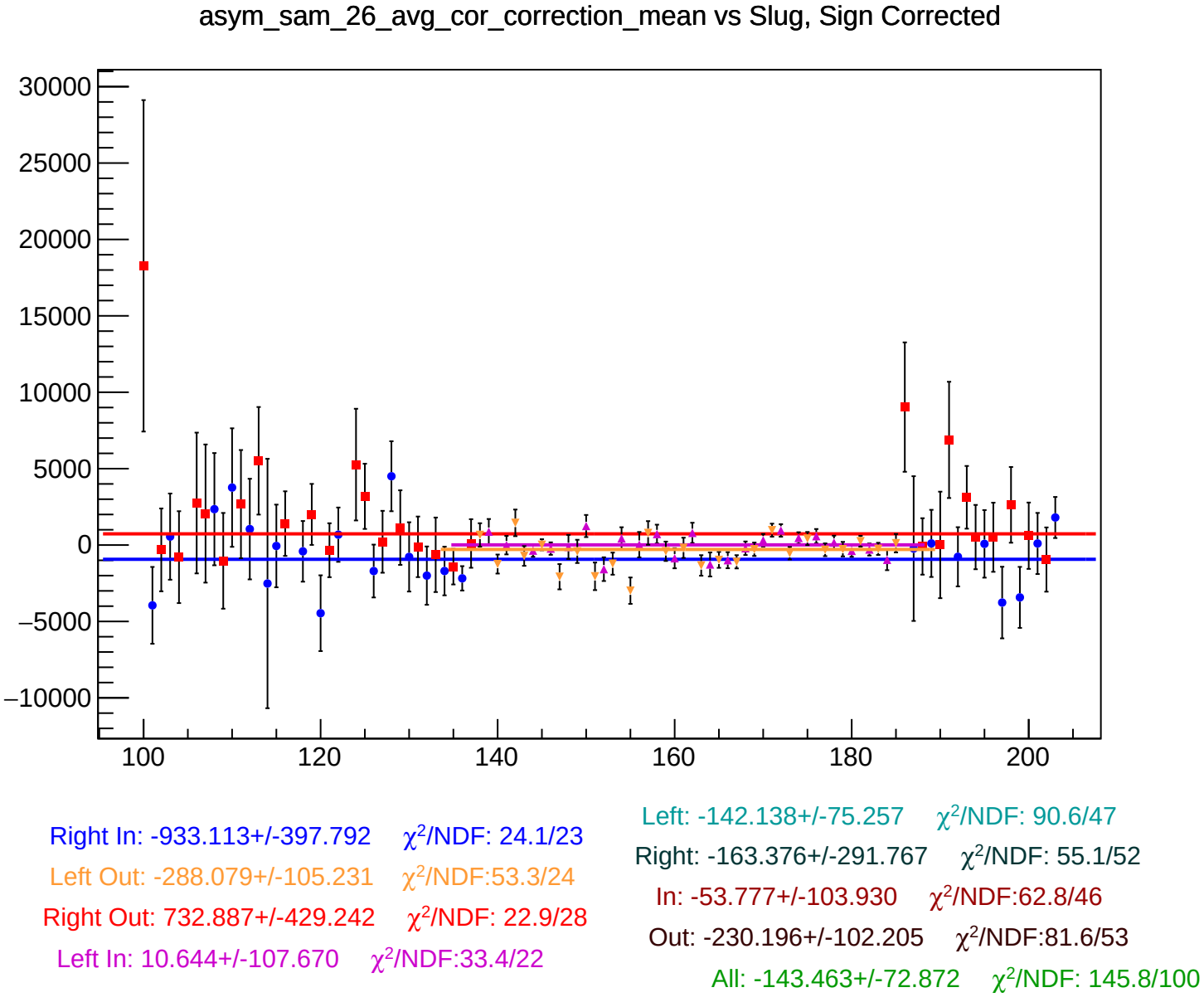
Left: 75.192+/-0.009 χ^2/NDF: 1766053.7/47

Right: 146.053+/-0.021 χ^2/NDF: 7359756.9/52

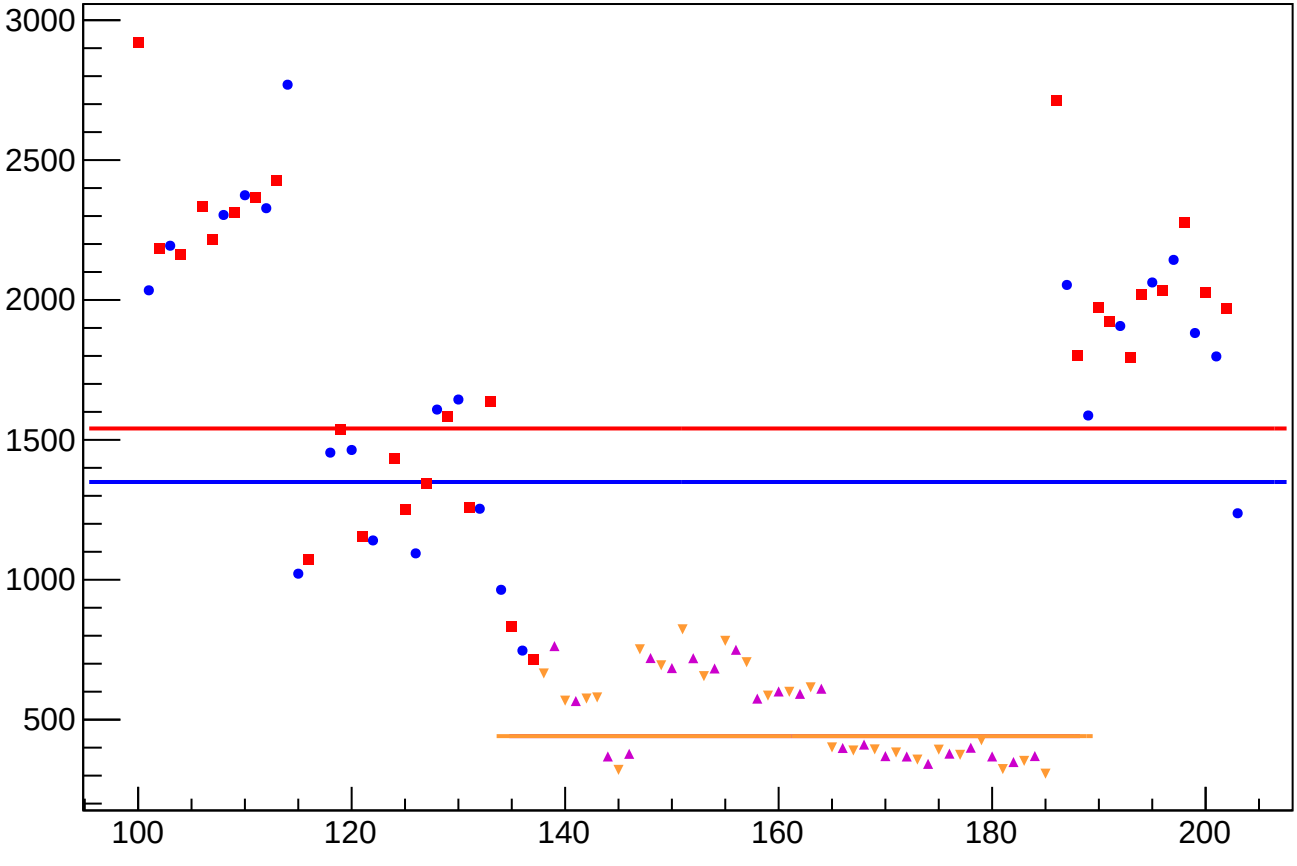
In: 85.547+/-0.012 χ^2/NDF:8180757.8/46

Out: 85.590+/-0.011 χ^2/NDF:10448948.1/53

All: 85.569+/-0.008 χ^2/NDF: 18629713.2/100


asym_sam_26_avg_cor_correction_mean vs Slug, Sign Corrected
30000
25000
20000
15000
10000
5000
0
−5000
−10000
100
120
140
160
180
200
Right In: -933.113+/-397.792 χ²/NDF: 24.1/23
Left Out: -288.079+/-105.231 χ²/NDF:53.3/24
Right Out: 732.887+/-429.242 χ²/NDF: 22.9/28
Left In: 10.644+/-107.670 χ²/NDF:33.4/22
Left: -142.138+/-75.257 χ²/NDF: 90.6/47
Right: -163.376+/-291.767 χ²/NDF: 55.1/52
In: -53.777+/-103.930 χ²/NDF:62.8/46
Out: -230.196+/-102.205 χ²/NDF:81.6/53
All: -143.463+/-72.872 χ²/NDF: 145.8/100

asym_sam_26_avg_cor_correction_rms vs Slug, Sign Corrected



Right In: 1349.442+/-0.281 χ^2/NDF: 3199510.9/23

Left Out: 441.128+/-0.074 χ^2/NDF:3234622.5/24

Right Out: 1540.724+/-0.304 χ^2/NDF: 3094197.9/28

Left In: 441.196+/-0.076 χ^2/NDF:2682073.9/22

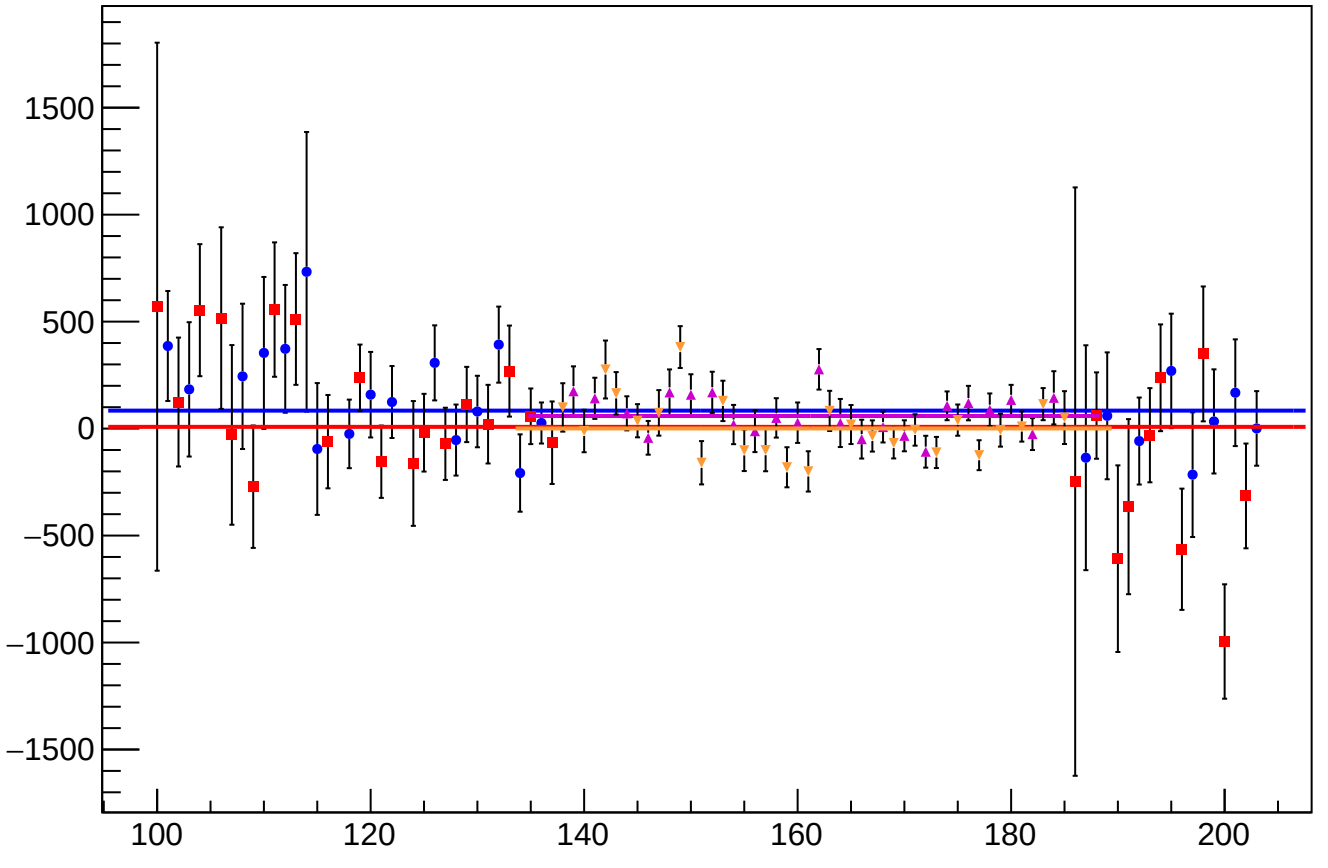
Left: 441.162+/-0.053 χ^2/NDF: 5916696.8/47

Right: 1437.819+/-0.206 χ^2/NDF: 6507373.7/52

In: 503.193+/-0.073 χ^2/NDF:15596068.0/46

Out: 503.469+/-0.072 χ^2/NDF:18709469.0/53

All: 503.333+/-0.052 χ^2/NDF: 34305544.2/10



Right In: 84.003+/-41.827 χ^2/NDF: 16.1/23

Left Out: 0.598+/-17.319 χ^2/NDF:48.6/24

Right Out: 8.155+/-43.148 χ^2/NDF: 42.4/28

Left In: 58.904+/-17.879 χ^2/NDF:25.8/22

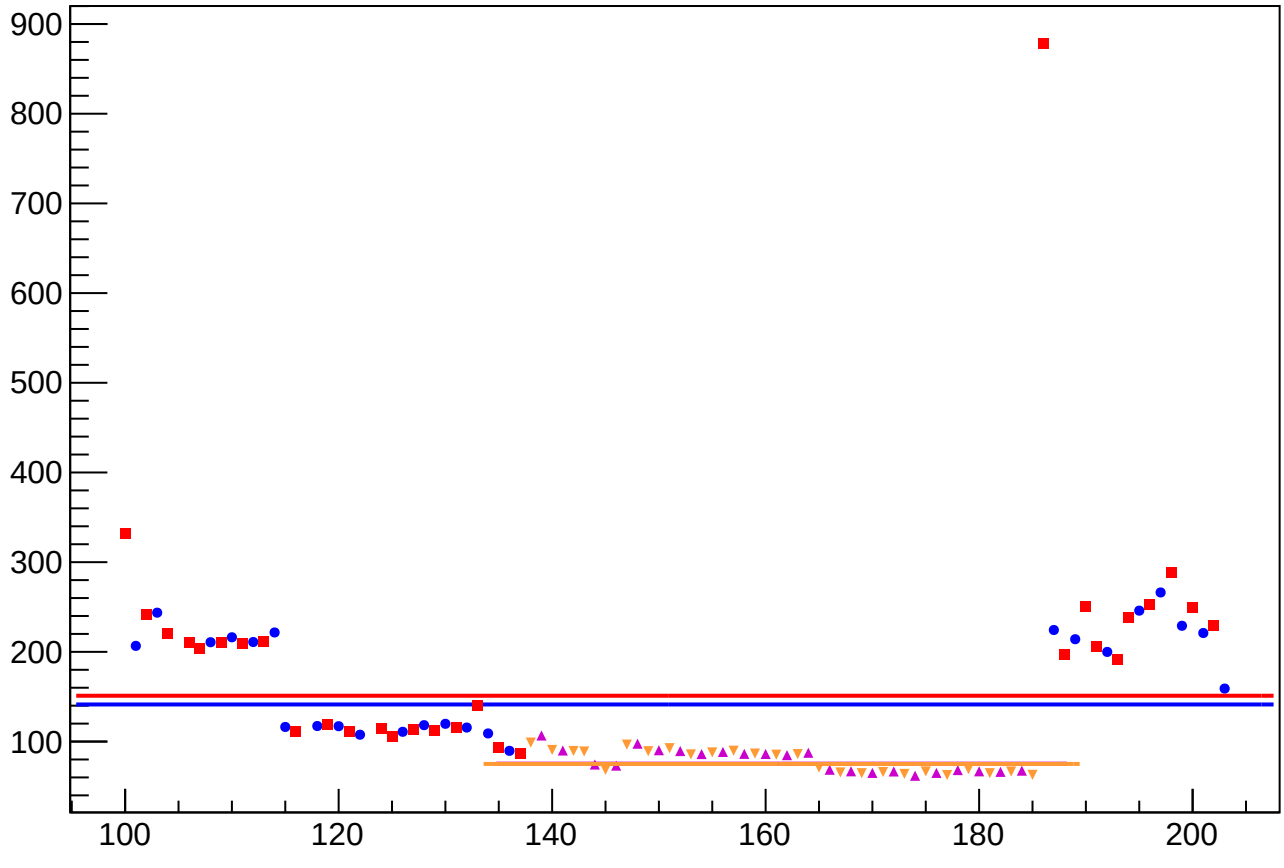
Left: 28.824+/-12.440 χ^2/NDF: 79.9/47

Right: 47.258+/-30.032 χ^2/NDF: 60.1/52

In: 62.782+/-16.440 χ^2/NDF:42.2/46

Out: 1.646+/-16.073 χ^2/NDF:91.0/53

All: 31.524+/-11.493 χ^2/NDF: 140.3/100



Right In: 141.342+/-0.030 χ^2/NDF: 3133986.5/23

Left Out: 75.041+/-0.012 χ^2/NDF:928107.8/24

Right Out: 151.067+/-0.031 χ^2/NDF: 4173397.8/28

Left In: 75.352+/-0.013 χ^2/NDF:837634.2/22

Left: 75.192+/-0.009 χ^2/NDF: 1766053.7/47

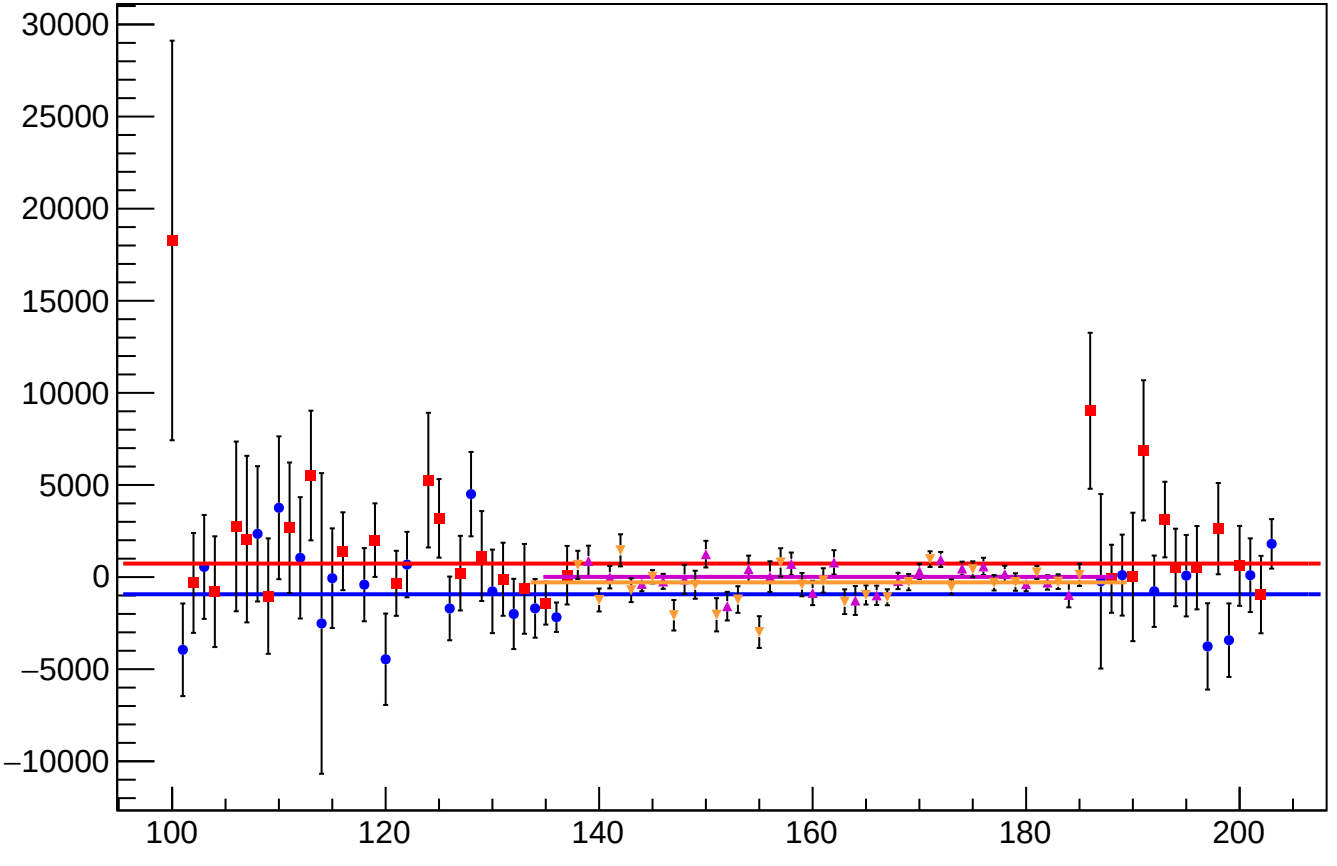
Right: 146.053+/-0.021 χ^2/NDF: 7359756.9/52

In: 85.547+/-0.012 χ^2/NDF:8180757.8/46

Out: 85.590+/-0.011 χ^2/NDF:10448948.1/53

All: 85.569+/-0.008 χ^2/NDF: 18629713.2/100

asym_sam_26_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -933.113+/-397.792 χ^2/NDF: 24.1/23

Left Out: -288.079+/-105.231 χ^2/NDF:53.3/24

Right Out: 732.887+/-429.242 χ^2/NDF: 22.9/28

Left In: 10.644+/-107.670 χ^2/NDF:33.4/22

Left: -142.138+/-75.257 χ^2/NDF: 90.6/47

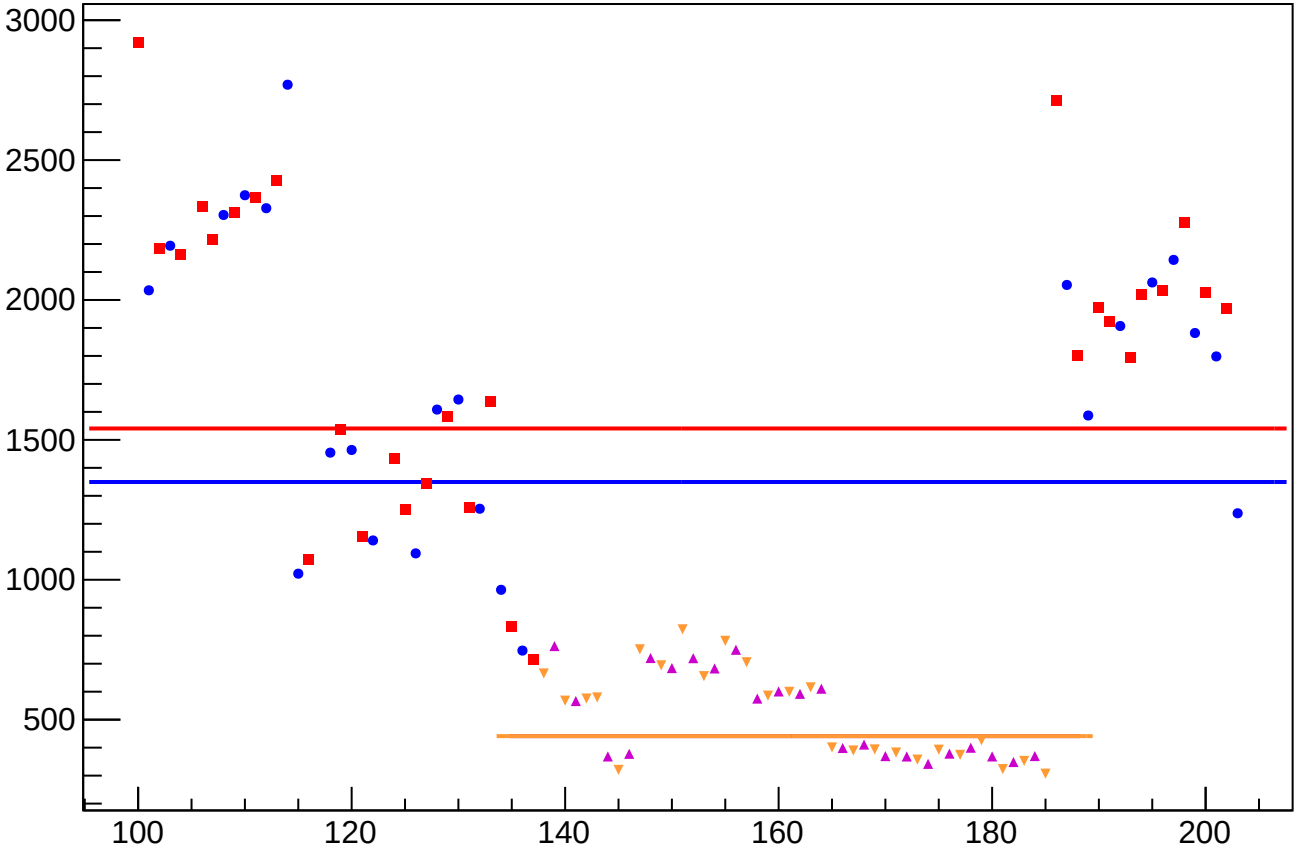
Right: -163.376+/-291.767 χ^2/NDF: 55.1/52

In: -53.777+/-103.930 χ^2/NDF:62.8/46

Out: -230.196+/-102.205 χ^2/NDF:81.6/53

All: -143.463+/-72.872 χ^2/NDF: 145.8/100

asym_sam_26_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 1349.442+/-0.281 χ^2/NDF: 3199510.9/23

Left Out: 441.128+/-0.074 χ^2/NDF:3234622.5/24

Right Out: 1540.724+/-0.304 χ^2/NDF: 3094197.9/28

Left In: 441.196+/-0.076 χ^2/NDF:2682073.9/22

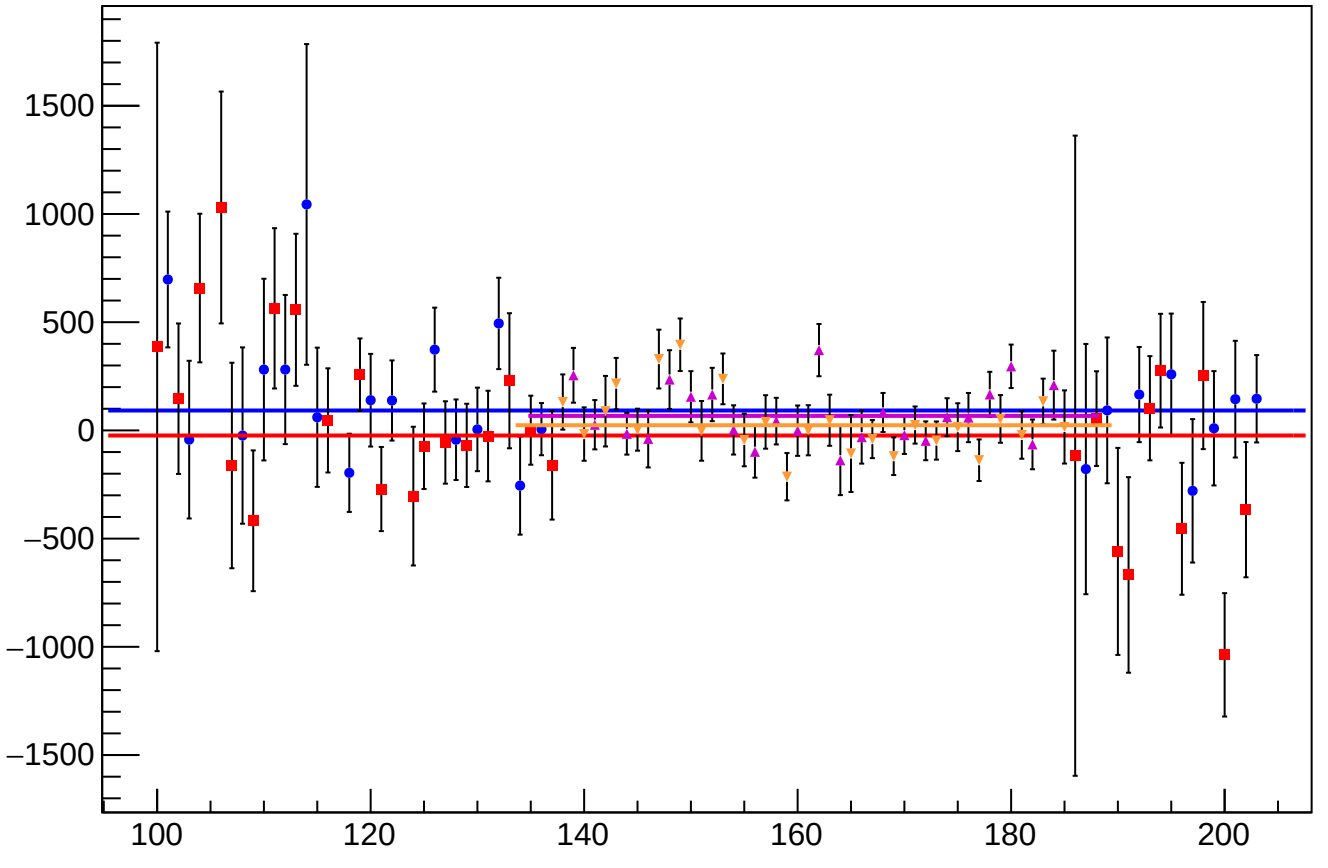
Left: 441.162+/-0.053 χ^2/NDF: 5916696.8/47

Right: 1437.819+/-0.206 χ^2/NDF: 6507373.7/52

In: 503.193+/-0.073 χ^2/NDF:15596068.0/46

Out: 503.469+/-0.072 χ^2/NDF:18709469.0/53

All: 503.333+/-0.052 χ^2/NDF: 34305544.2/10



Right In: 91.960+/-48.177 χ^2/NDF: 20.2/23

Left Out: 23.873+/-22.414 χ^2/NDF:35.2/24

Right Out: -23.601+/-49.268 χ^2/NDF: 42.8/28

Left In: 67.086+/-23.121 χ^2/NDF:28.6/22

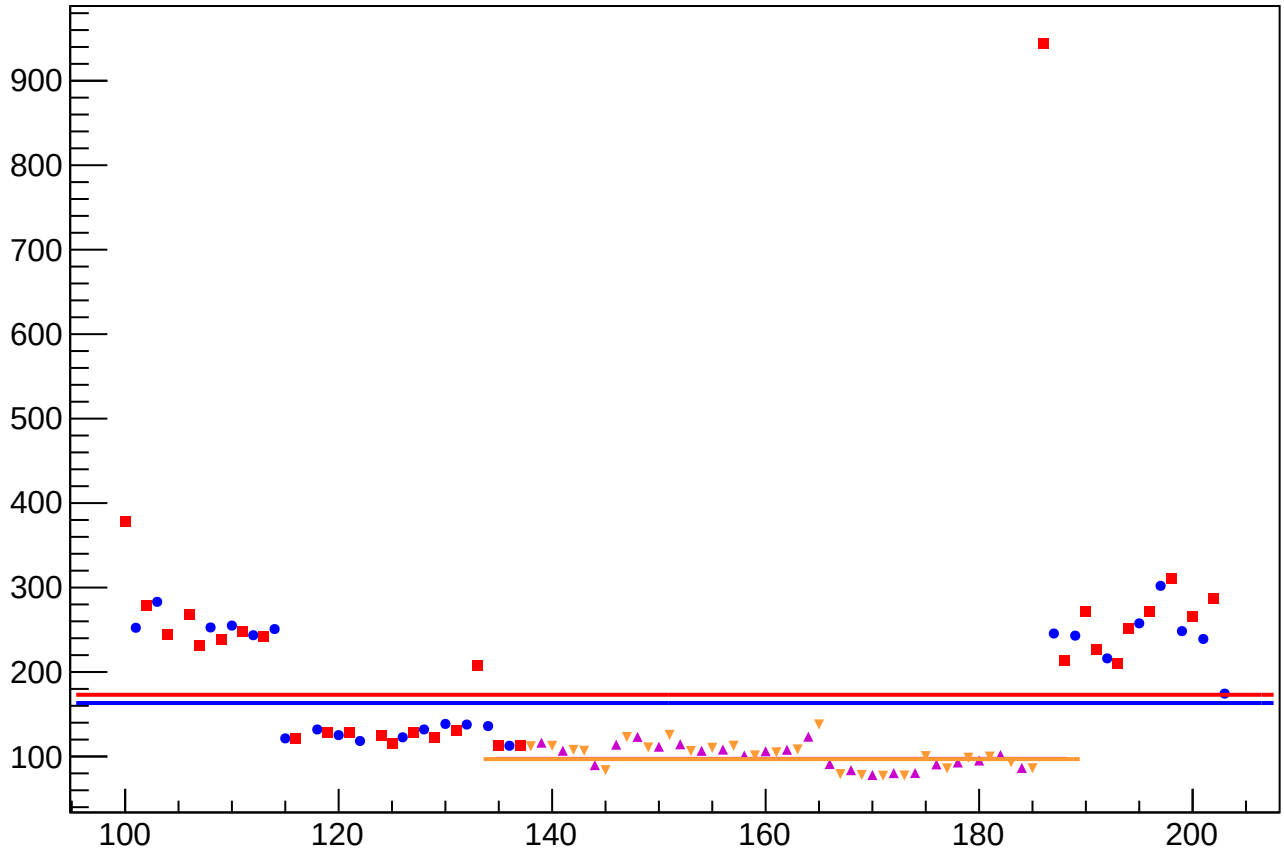
Left: 44.809+/-16.093 χ^2/NDF: 65.6/47

Right: 35.473+/-34.446 χ^2/NDF: 65.9/52

In: 71.742+/-20.845 χ^2/NDF:49.1/46

Out: 15.732+/-20.402 χ^2/NDF:78.8/53

All: 43.136+/-14.580 χ^2/NDF: 131.6/100



Right In: 163.320+/-0.034 χ^2/NDF: 2784668.2/23

Left Out: 96.907+/-0.016 χ^2/NDF:933980.7/24

Right Out: 173.067+/-0.035 χ^2/NDF: 3913095.8/28

Left In: 97.167+/-0.016 χ^2/NDF:674595.2/22

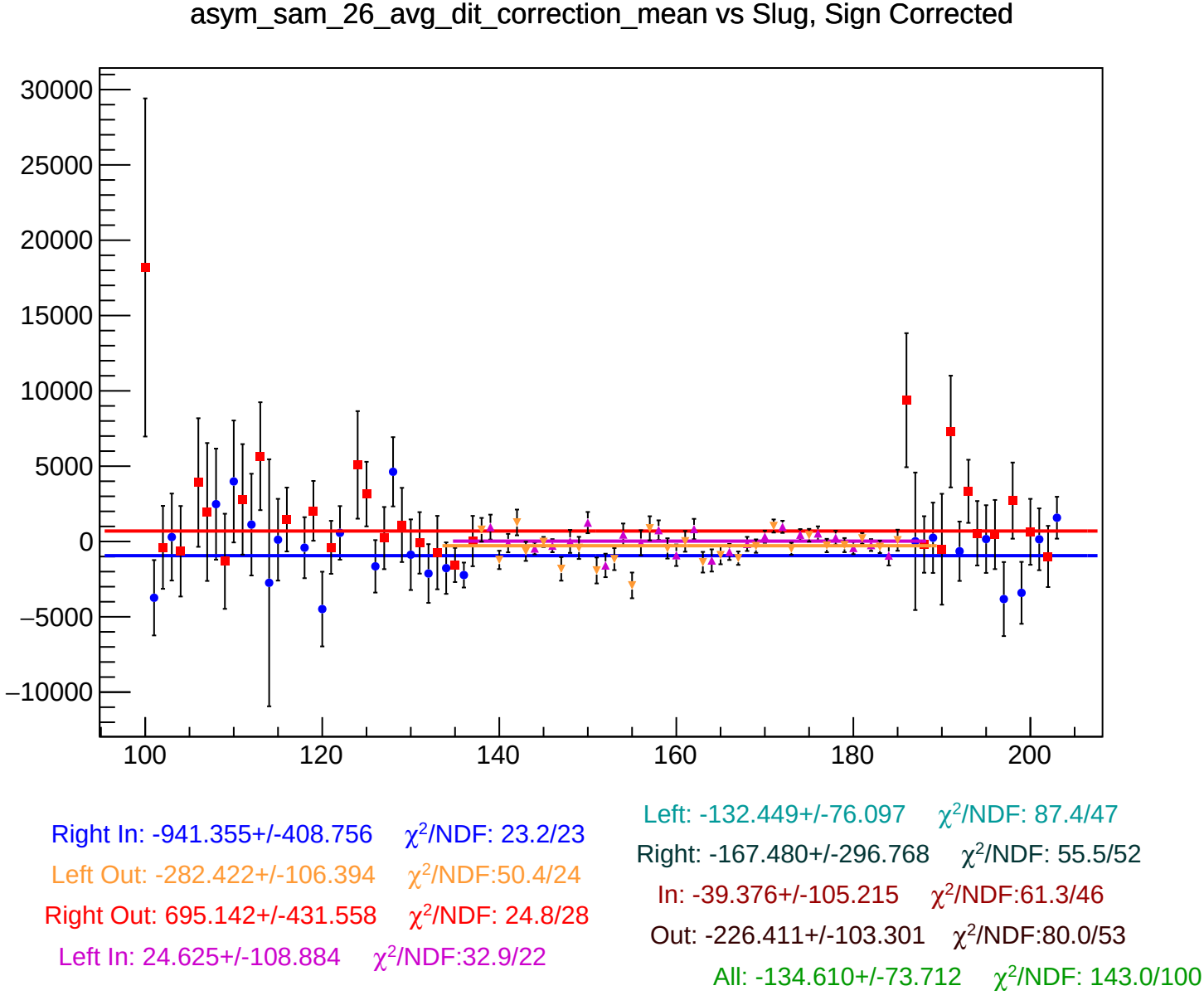
Left: 97.033+/-0.011 χ^2/NDF: 1608706.5/47

Right: 168.084+/-0.024 χ^2/NDF: 6737781.0/52

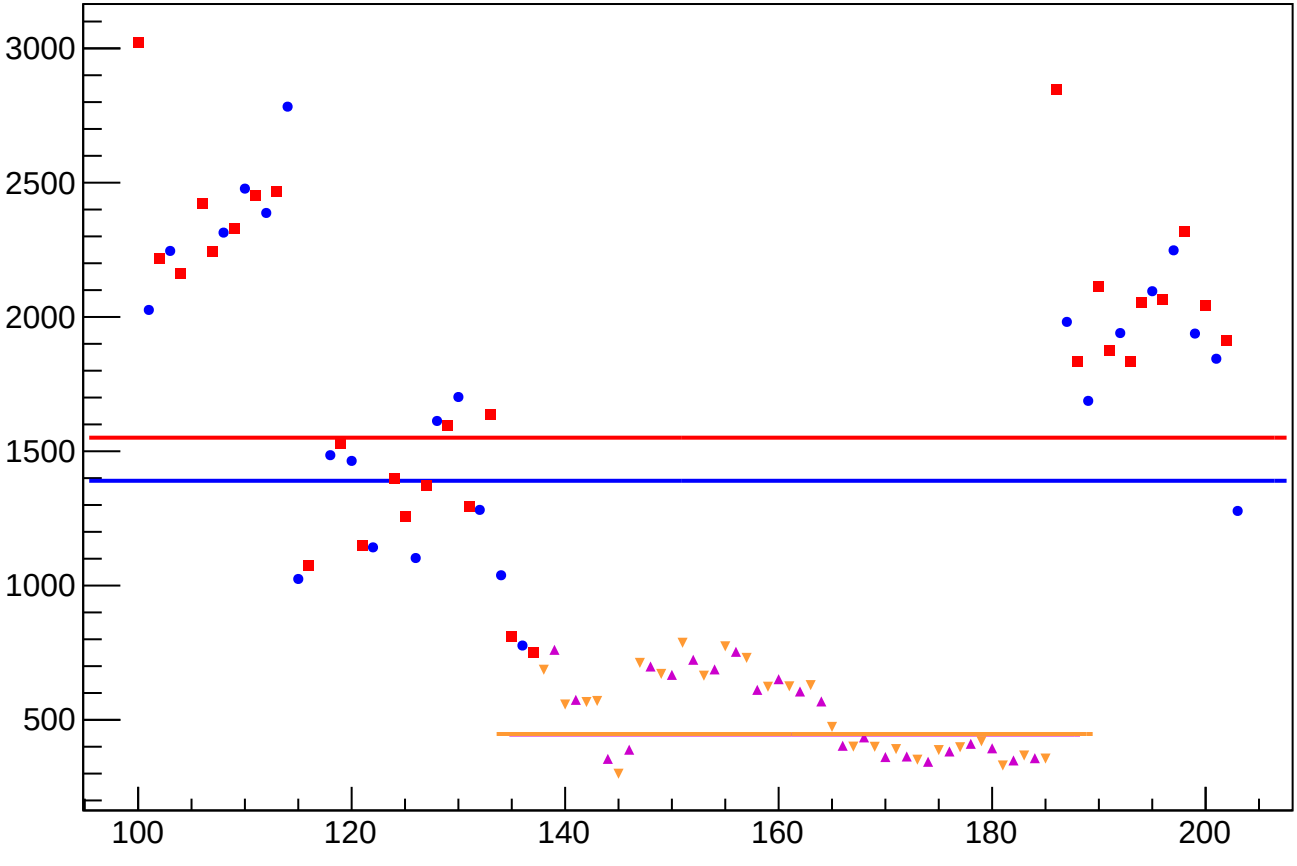
In: 109.551+/-0.015 χ^2/NDF:6524158.6/46

Out: 109.967+/-0.014 χ^2/NDF:8806692.9/53

All: 109.764+/-0.010 χ^2/NDF: 15331258.2/10


asym_sam_26_avg_dit_correction_mean vs Slug, Sign Corrected
30000
25000
20000
15000
10000
5000
0
−5000
−10000
100
120
140
160
180
200
Right In: -941.355+/-408.756 χ²/NDF: 23.2/23
Left Out: -282.422+/-106.394 χ²/NDF:50.4/24
Right Out: 695.142+/-431.558 χ²/NDF: 24.8/28
Left In: 24.625+/-108.884 χ²/NDF:32.9/22
Left: -132.449+/-76.097 χ²/NDF: 87.4/47
Right: -167.480+/-296.768 χ²/NDF: 55.5/52
In: -39.376+/-105.215 χ²/NDF:61.3/46
Out: -226.411+/-103.301 χ²/NDF:80.0/53
All: -134.610+/-73.712 χ²/NDF: 143.0/100

asym_sam_26_avg_dit_correction_rms vs Slug, Sign Corrected



Right In: 1390.117+/-0.289 χ^2/NDF: 3102817.6/23

Left Out: 447.386+/-0.075 χ^2/NDF:3197771.9/24

Right Out: 1550.615+/-0.305 χ^2/NDF: 3214987.8/28

Left In: 445.491+/-0.077 χ^2/NDF:2713295.1/22

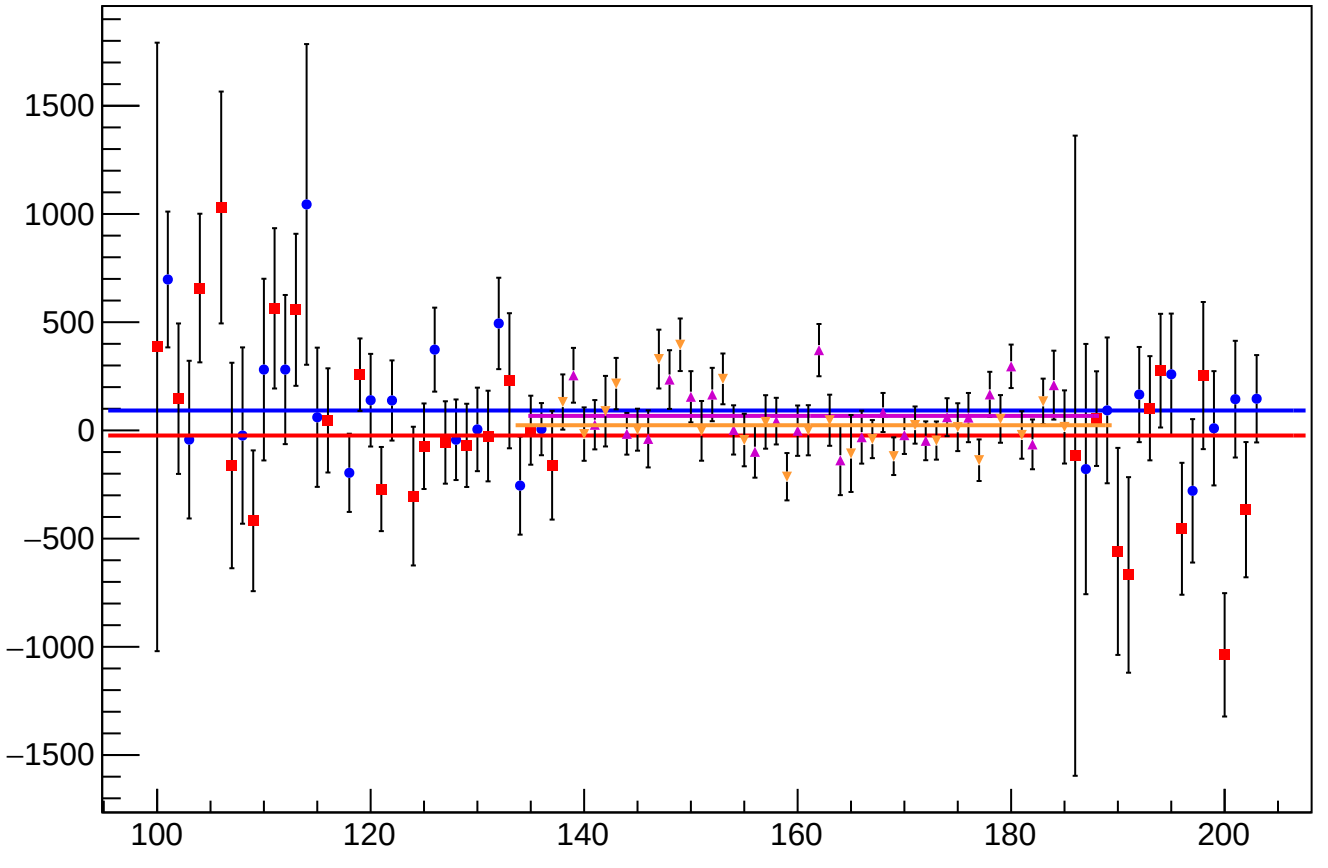
Left: 446.460+/-0.054 χ^2/NDF: 5911376.8/47

Right: 1466.014+/-0.210 χ^2/NDF: 6463617.5/52

In: 508.078+/-0.074 χ^2/NDF:15789651.2/46

Out: 510.597+/-0.073 χ^2/NDF:18734102.5/53

All: 509.361+/-0.052 χ^2/NDF: 34524337.5/10



Right In: 91.963+/-48.177 χ^2/NDF: 20.2/23

Left Out: 23.872+/-22.414 χ^2/NDF:35.2/24

Right Out: -23.601+/-49.268 χ^2/NDF: 42.8/28

Left In: 67.085+/-23.121 χ^2/NDF:28.6/22

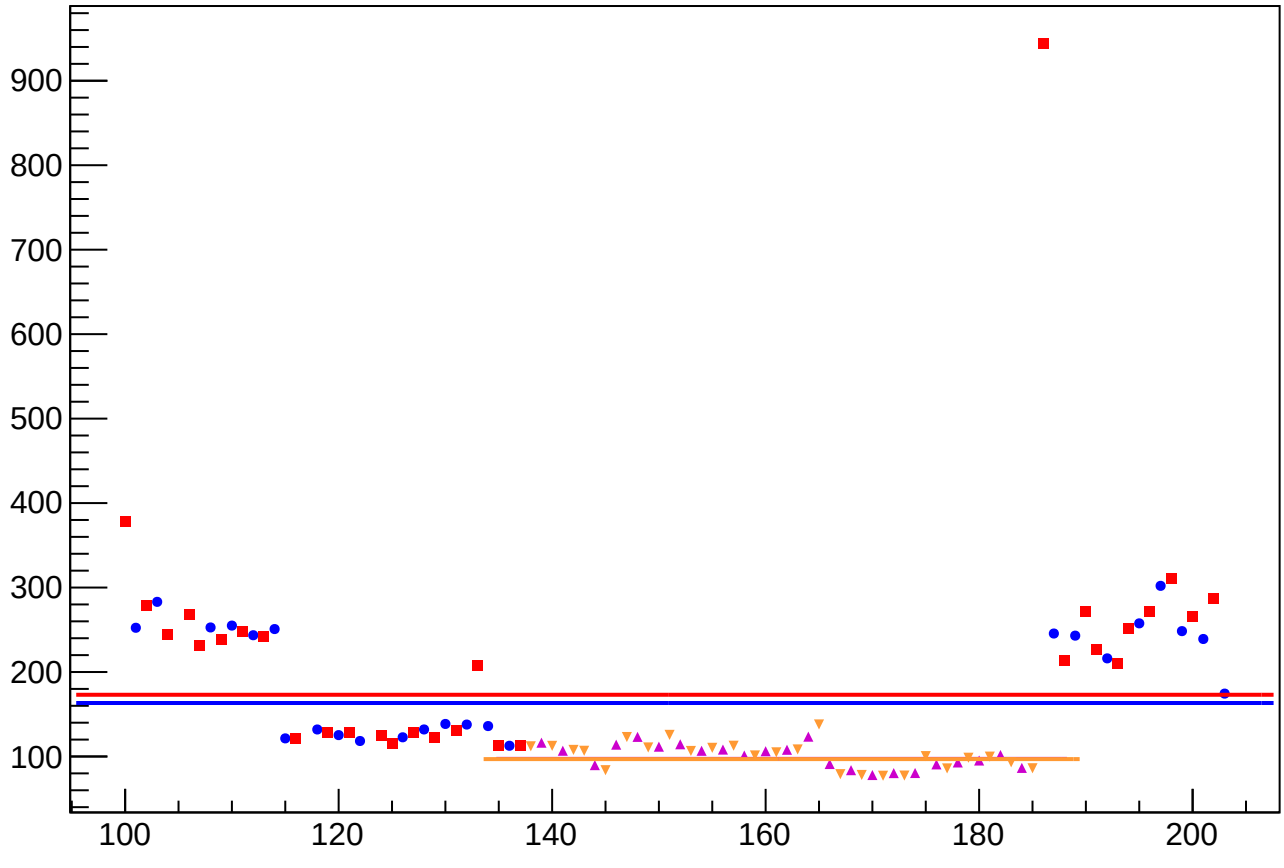
Left: 44.808+/-16.093 χ^2/NDF: 65.6/47

Right: 35.474+/-34.446 χ^2/NDF: 65.9/52

In: 71.742+/-20.845 χ^2/NDF:49.1/46

Out: 15.731+/-20.402 χ^2/NDF:78.8/53

All: 43.136+/-14.580 χ^2/NDF: 131.6/100



Right In: 163.319+/-0.034 χ^2/NDF: 2784679.2/23

Left Out: 96.907+/-0.016 χ^2/NDF:933979.3/24

Right Out: 173.066+/-0.035 χ^2/NDF: 3913102.4/28

Left In: 97.168+/-0.016 χ^2/NDF:674586.0/22

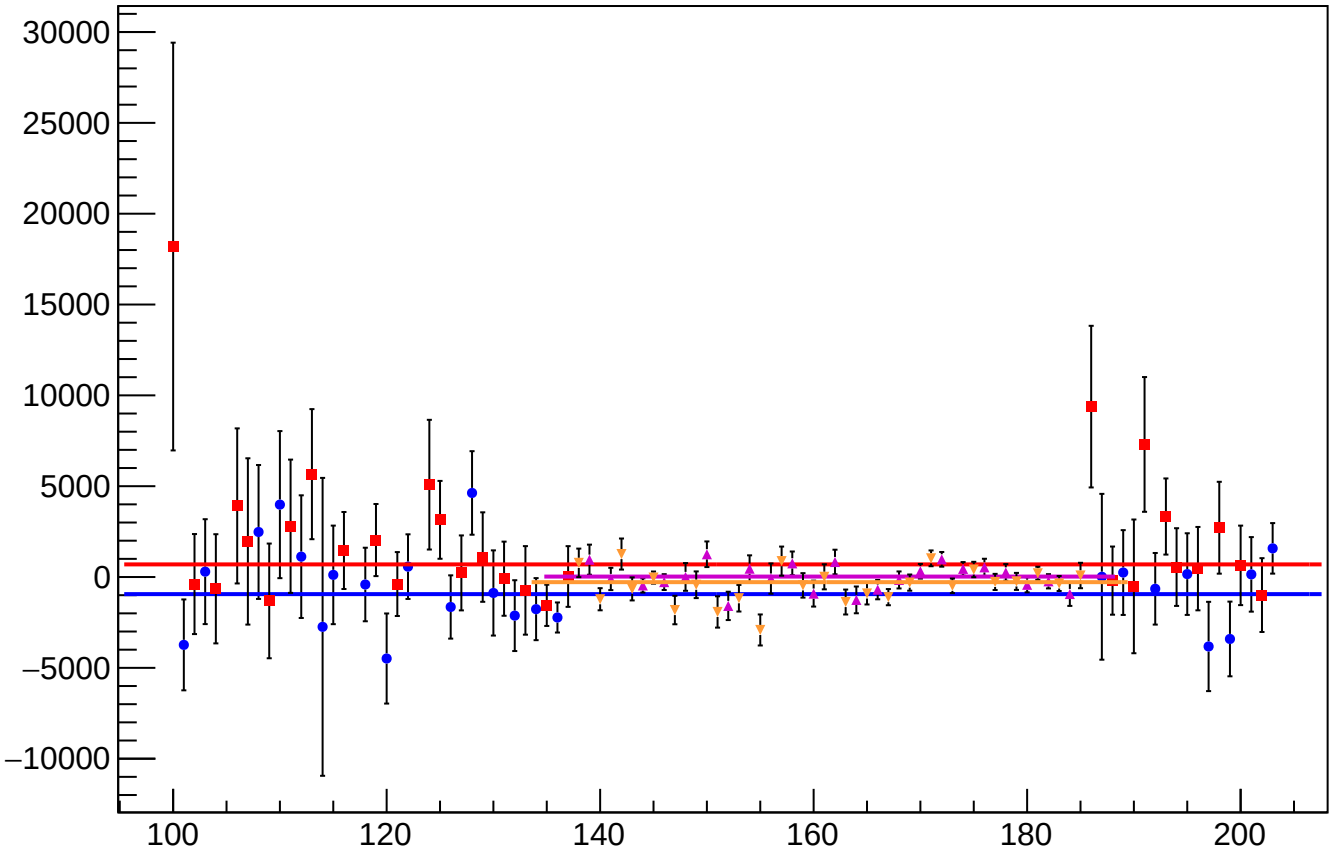
Left: 97.034+/-0.011 χ^2/NDF: 1608696.0/47

Right: 168.084+/-0.024 χ^2/NDF: 6737801.2/52

In: 109.551+/-0.015 χ^2/NDF:6524079.9/46

Out: 109.967+/-0.014 χ^2/NDF:8806639.8/53

All: 109.764+/-0.010 χ^2/NDF: 15331126.3/10



Right In: -941.353+/-408.756 χ^2/NDF: 23.2/23

Left Out: -282.421+/-106.394 χ^2/NDF:50.4/24

Right Out: 695.144+/-431.558 χ^2/NDF: 24.8/28

Left In: 24.626+/-108.884 χ^2/NDF:32.9/22

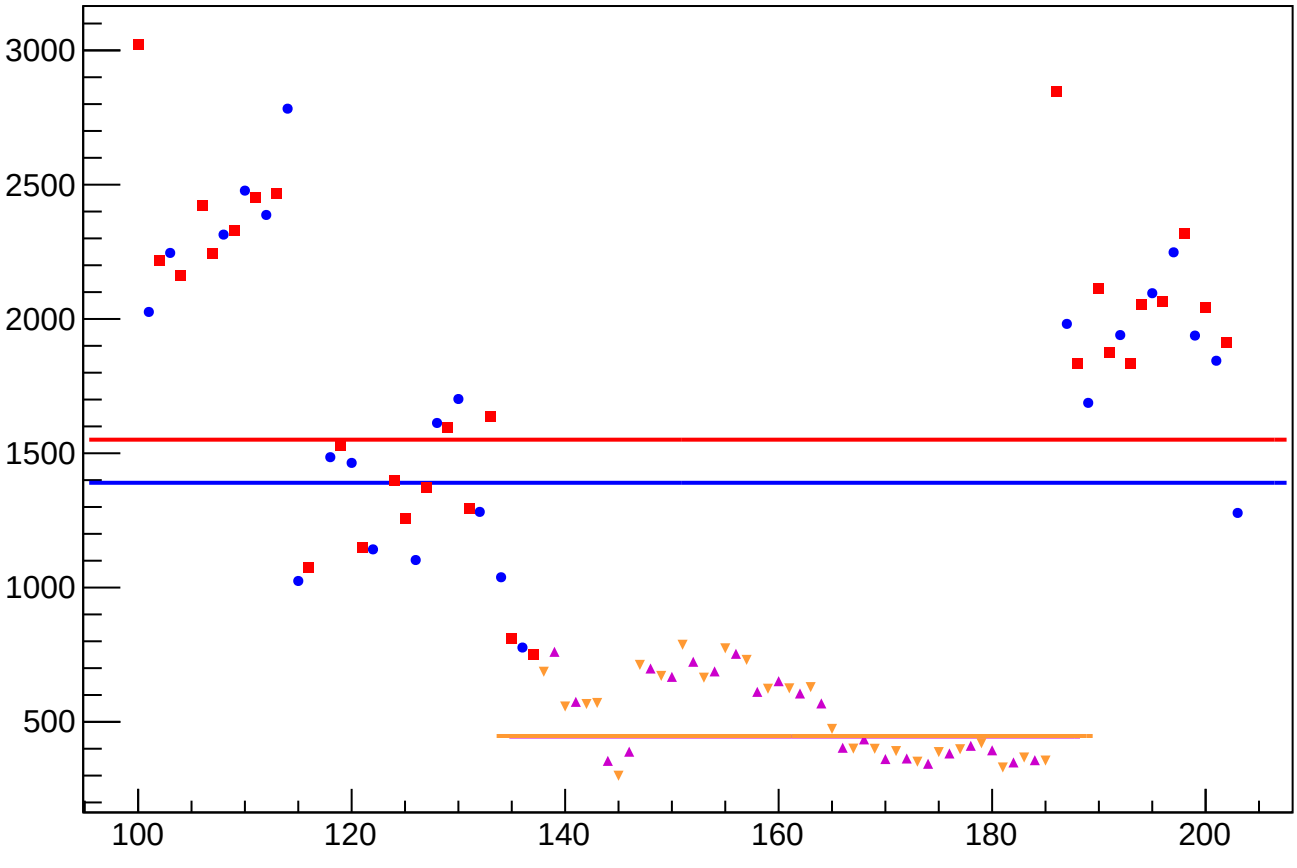
Left: -132.448+/-76.097 χ^2/NDF: 87.4/47

Right: -167.478+/-296.768 χ^2/NDF: 55.5/52

In: -39.376+/-105.215 χ^2/NDF:61.3/46

Out: -226.410+/-103.301 χ^2/NDF:80.0/53

All: -134.609+/-73.712 χ^2/NDF: 143.0/100



Right In: 1390.117+/-0.289 χ^2/NDF: 3102799.1/23

Left Out: 447.385+/-0.075 χ^2/NDF:3197793.9/24

Right Out: 1550.614+/-0.305 χ^2/NDF: 3214977.0/28

Left In: 445.491+/-0.077 χ^2/NDF:2713303.9/22

Left: 446.460+/-0.054 χ^2/NDF: 5911407.5/47

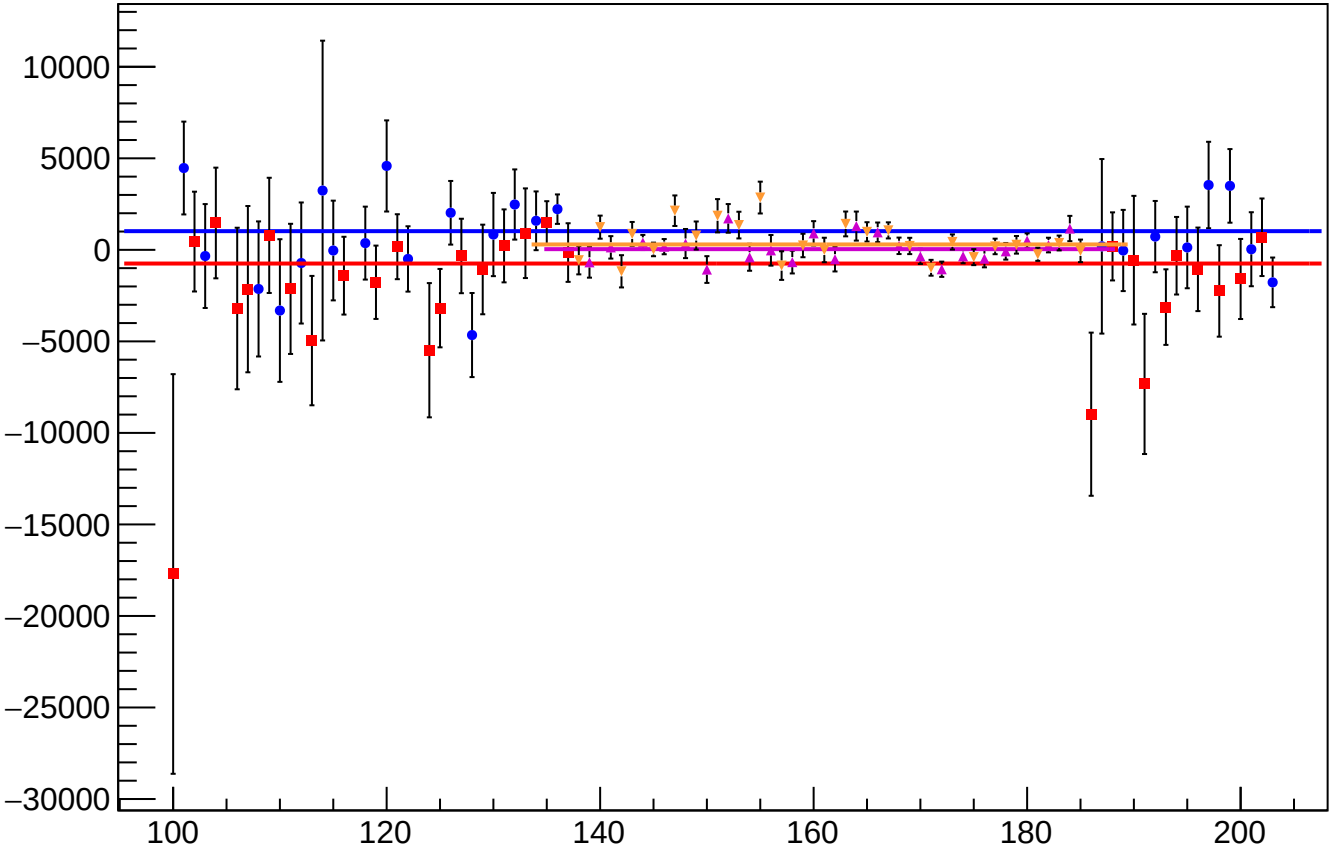
Right: 1466.014+/-0.210 χ^2/NDF: 6463587.1/52

In: 508.078+/-0.074 χ^2/NDF:15789656.0/46

Out: 510.597+/-0.073 χ^2/NDF:18734124.1/53

All: 509.361+/-0.052 χ^2/NDF: 34524363.9/10

asym_sam_26_avg_mean vs Slug, Sign Corrected



Right In: 1021.096+/-400.570 χ^2/NDF: 24.4/23

Left Out: 295.006+/-106.810 χ^2/NDF:50.5/24

Right Out: -747.812+/-431.733 χ^2/NDF: 22.4/28

Left In: 38.107+/-109.315 χ^2/NDF:32.9/22

Left: 169.535+/-76.396 χ^2/NDF: 86.3/47

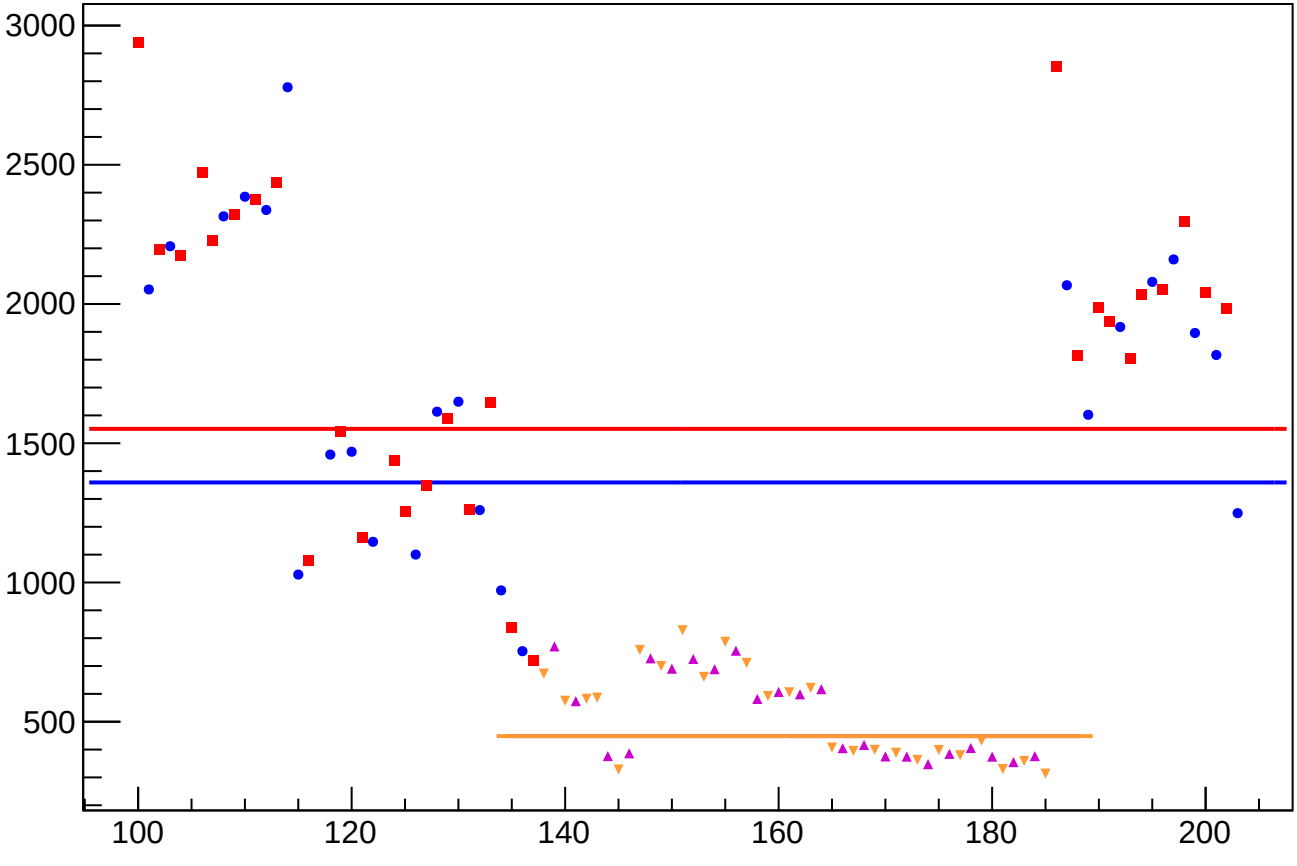
Right: 202.781+/-293.645 χ^2/NDF: 55.8/52

In: 106.240+/-105.459 χ^2/NDF:62.9/46

Out: 234.861+/-103.684 χ^2/NDF:78.4/53

All: 171.642+/-73.935 χ^2/NDF: 142.1/100

asym_sam_26_avg_rms vs Slug, Sign Corrected



Right In: 1359.201+/-0.283 χ^2/NDF: 3189686.3/23

Left Out: 448.278+/-0.076 χ^2/NDF:3156909.8/24

Right Out: 1551.693+/-0.305 χ^2/NDF: 3144053.0/28

Left In: 448.397+/-0.077 χ^2/NDF:2620759.6/22

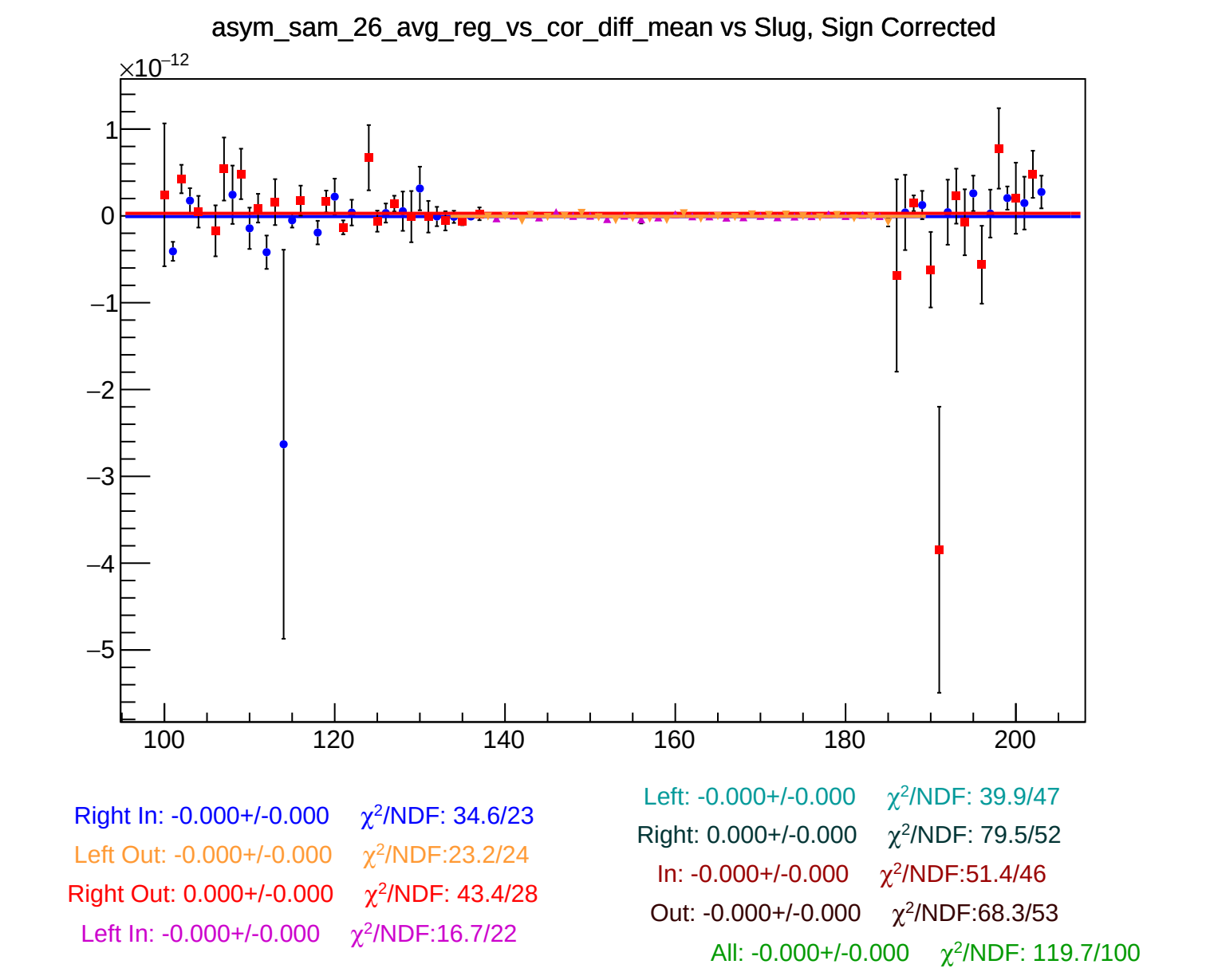
Left: 448.336+/-0.054 χ^2/NDF: 5777670.6/47

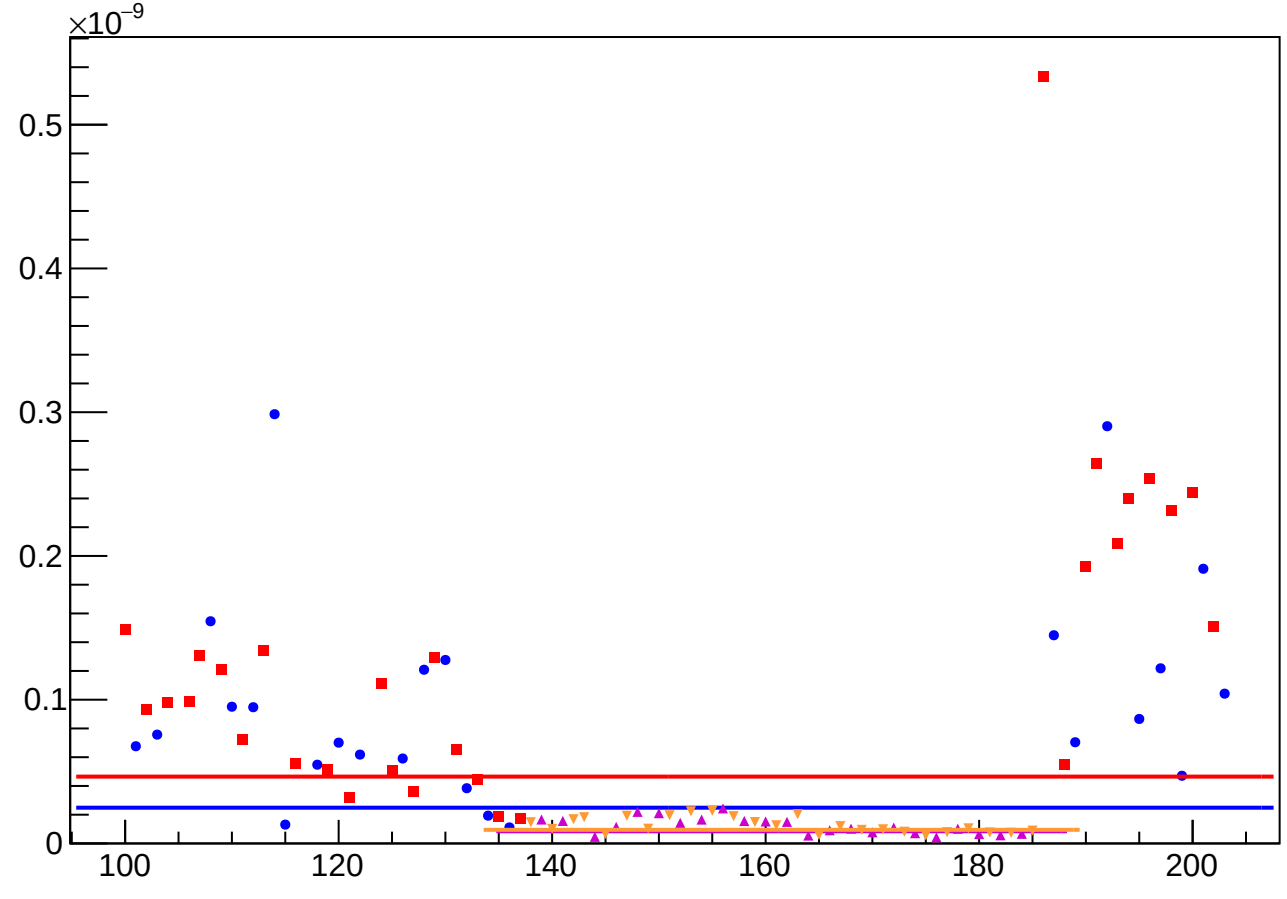
Right: 1448.250+/-0.208 χ^2/NDF: 6547395.0/52

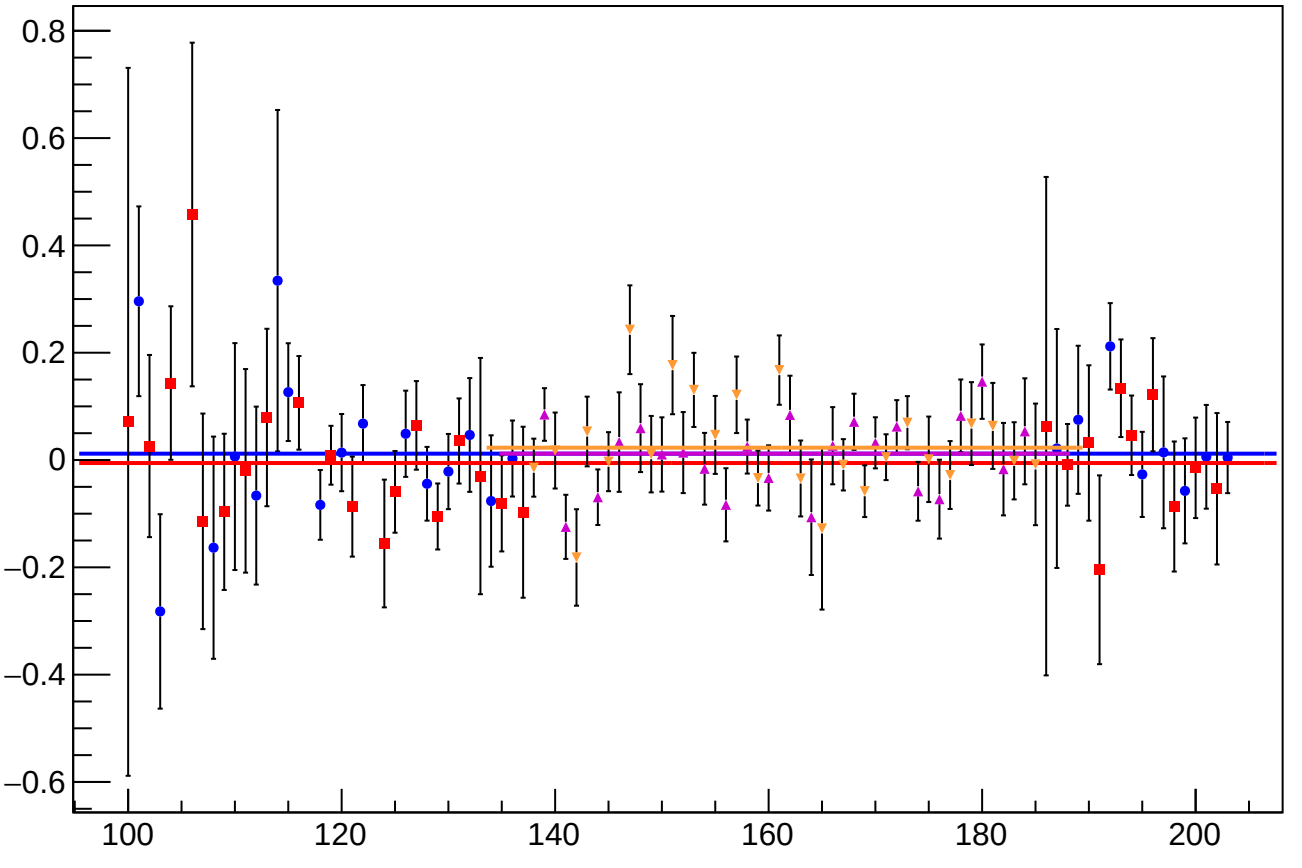
In: 511.527+/-0.075 χ^2/NDF:15433794.0/46

Out: 511.918+/-0.073 χ^2/NDF:18611500.0/53

All: 511.726+/-0.052 χ^2/NDF: 34045308.0/10


asym_sam_26_avg_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
1
0
−1
−2
−3
−4
−5
100
120
140
160
180
200
Right In: -0.000+/-0.000 χ²/NDF: 34.6/23
Left Out: -0.000+/-0.000 χ²/NDF:23.2/24
Right Out: 0.000+/-0.000 χ²/NDF: 43.4/28
Left In: -0.000+/-0.000 χ²/NDF:16.7/22
Left: -0.000+/-0.000 χ²/NDF: 39.9/47
Right: 0.000+/-0.000 χ²/NDF: 79.5/52
In: -0.000+/-0.000 χ²/NDF:51.4/46
Out: -0.000+/-0.000 χ²/NDF:68.3/53
All: -0.000+/-0.000 χ²/NDF: 119.7/100


asym_sam_26_avg_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: 6226172.5/23
Left Out: 0.000+/-0.000 χ²/NDF:2422094.9/24
Right Out: 0.000+/-0.000 χ²/NDF: 5440076.0/28
Left In: 0.000+/-0.000 χ²/NDF:2739291.5/22
Left: 0.000+/-0.000 χ²/NDF: 5231856.7/47
Right: 0.000+/-0.000 χ²/NDF: 12629800.9/52
In: 0.000+/-0.000 χ²/NDF:10679321.1/46
Out: 0.000+/-0.000 χ²/NDF:11853295.6/53
All: 0.000+/-0.000 χ²/NDF: 22616278.9/100



Right In: 0.012+/-0.019 χ^2/NDF: 20.4/23

Left Out: 0.023+/-0.013 χ^2/NDF:34.2/24

Right Out: -0.006+/-0.019 χ^2/NDF: 19.6/28

Left In: 0.012+/-0.013 χ^2/NDF:25.9/22

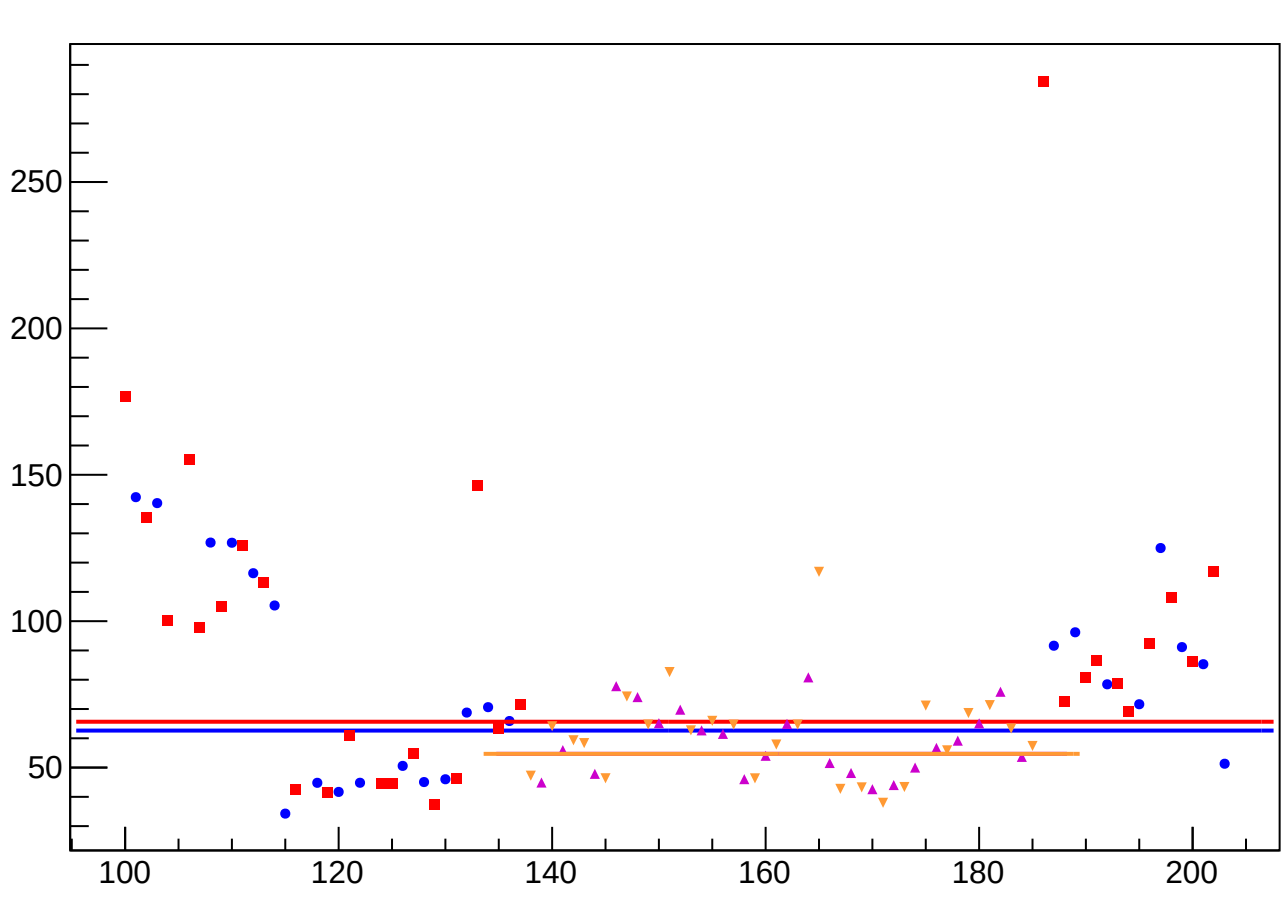
Left: 0.018+/-0.009 χ^2/NDF: 60.4/47

Right: 0.003+/-0.014 χ^2/NDF: 40.5/52

In: 0.012+/-0.011 χ^2/NDF:46.3/46

Out: 0.014+/-0.011 χ^2/NDF:55.3/53

All: 0.013+/-0.008 χ^2/NDF: 101.7/100



Right In: 62.634+/-0.014 χ^2/NDF: 3323101.8/23

Left Out: 54.686+/-0.009 χ^2/NDF:1936559.5/24

Right Out: 65.655+/-0.014 χ^2/NDF: 4131332.7/28

Left In: 54.688+/-0.009 χ^2/NDF:1190787.0/22

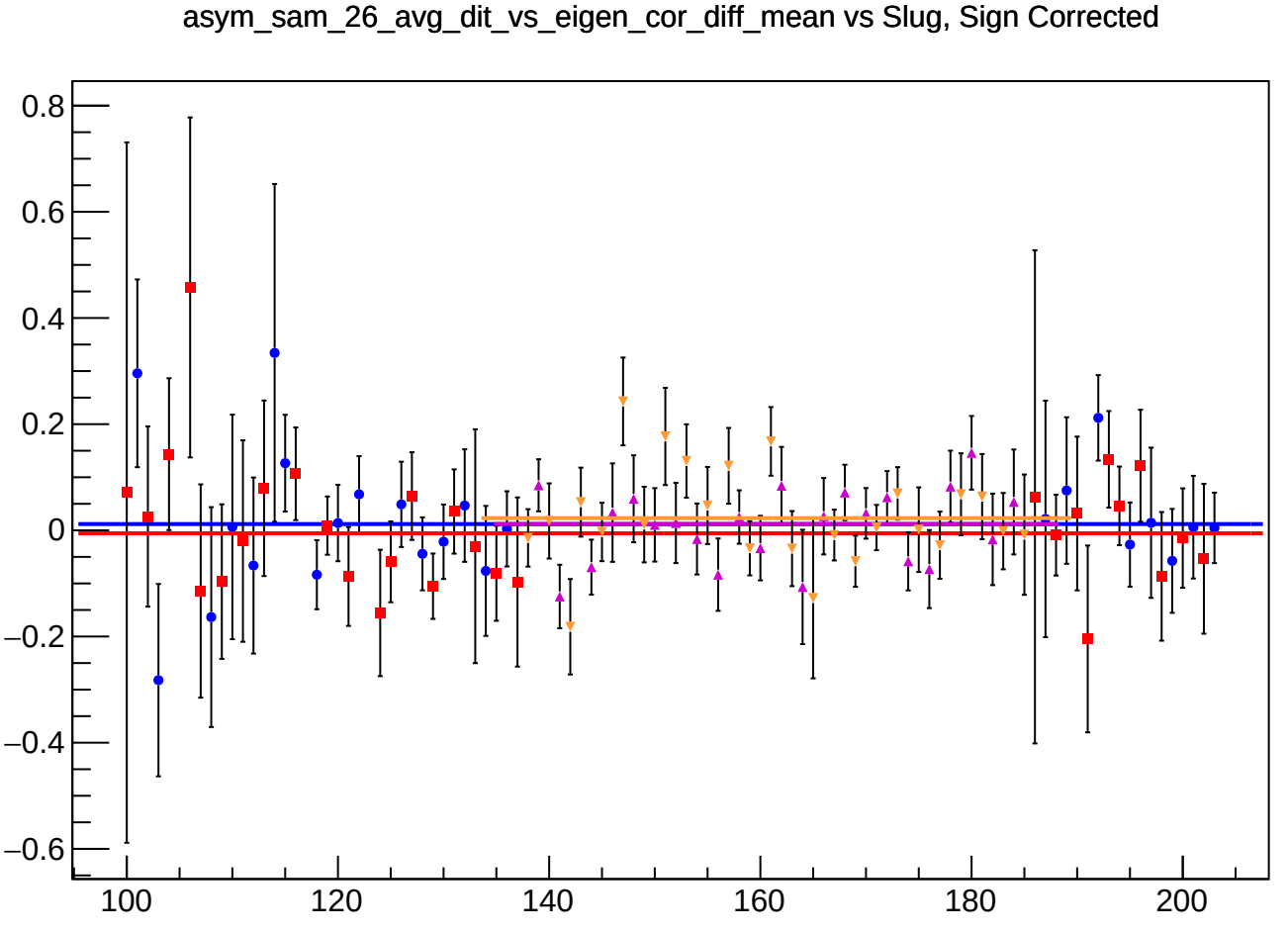
Left: 54.687+/-0.007 χ^2/NDF: 3127346.5/47

Right: 64.143+/-0.010 χ^2/NDF: 7479011.6/52

In: 57.244+/-0.008 χ^2/NDF:4744972.6/46

Out: 58.089+/-0.008 χ^2/NDF:6514465.3/53

All: 57.674+/-0.005 χ^2/NDF: 11265528.5/100



Right In: 0.012+/-0.019 χ^2/NDF: 20.4/23

Left Out: 0.023+/-0.013 χ^2/NDF:34.2/24

Right Out: -0.006+/-0.019 χ^2/NDF: 19.6/28

Left In: 0.012+/-0.013 χ^2/NDF:25.9/22

Left: 0.018+/-0.009 χ^2/NDF: 60.4/47

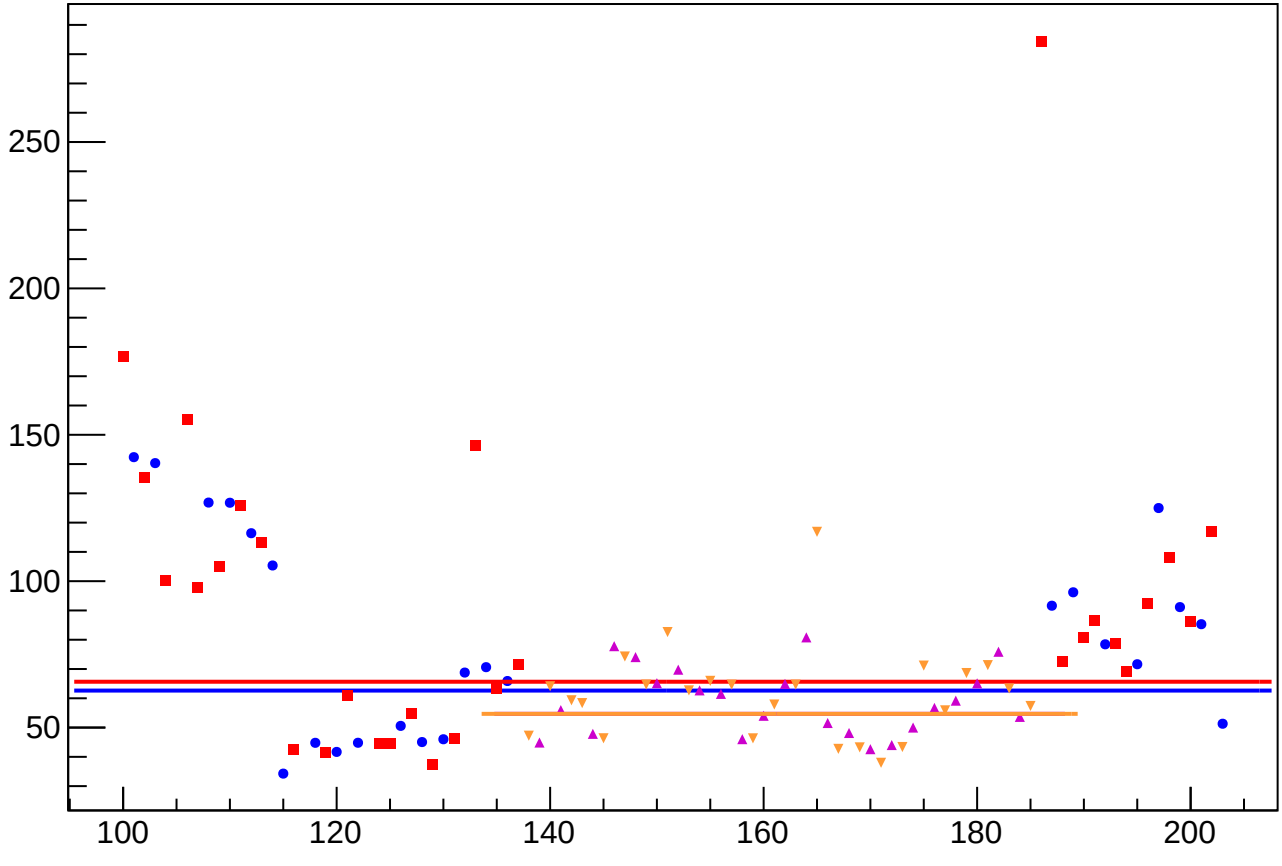
Right: 0.003+/-0.014 χ^2/NDF: 40.5/52

In: 0.012+/-0.011 χ^2/NDF:46.3/46

Out: 0.014+/-0.011 χ^2/NDF:55.3/53

All: 0.013+/-0.008 χ^2/NDF: 101.7/100

asym_sam_26_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 62.634+/-0.014 χ^2/NDF: 3323101.8/23

Left Out: 54.686+/-0.009 χ^2/NDF:1936559.5/24

Right Out: 65.655+/-0.014 χ^2/NDF: 4131332.7/28

Left In: 54.688+/-0.009 χ^2/NDF:1190787.0/22

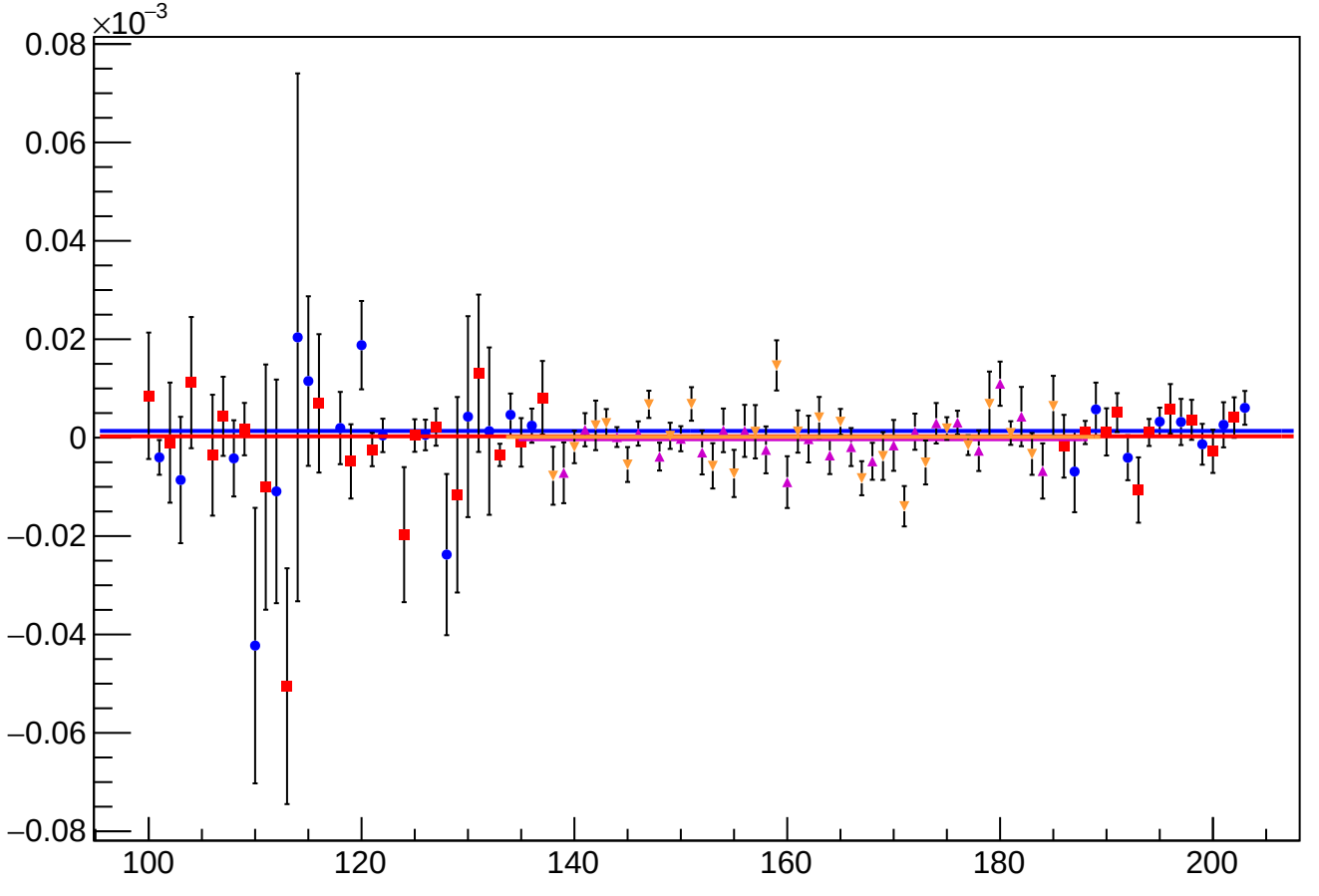
Left: 54.687+/-0.007 χ^2/NDF: 3127346.5/47

Right: 64.143+/-0.010 χ^2/NDF: 7479011.6/52

In: 57.244+/-0.008 χ^2/NDF:4744972.6/46

Out: 58.089+/-0.008 χ^2/NDF:6514465.3/53

All: 57.674+/-0.005 χ^2/NDF: 11265528.5/100



Right In: 0.000+/-0.000 χ^2/NDF: 19.6/23

Left Out: 0.000+/-0.000 χ^2/NDF:53.7/24

Right Out: 0.000+/-0.000 χ^2/NDF: 22.6/28

Left In: -0.000+/-0.000 χ^2/NDF:20.7/22

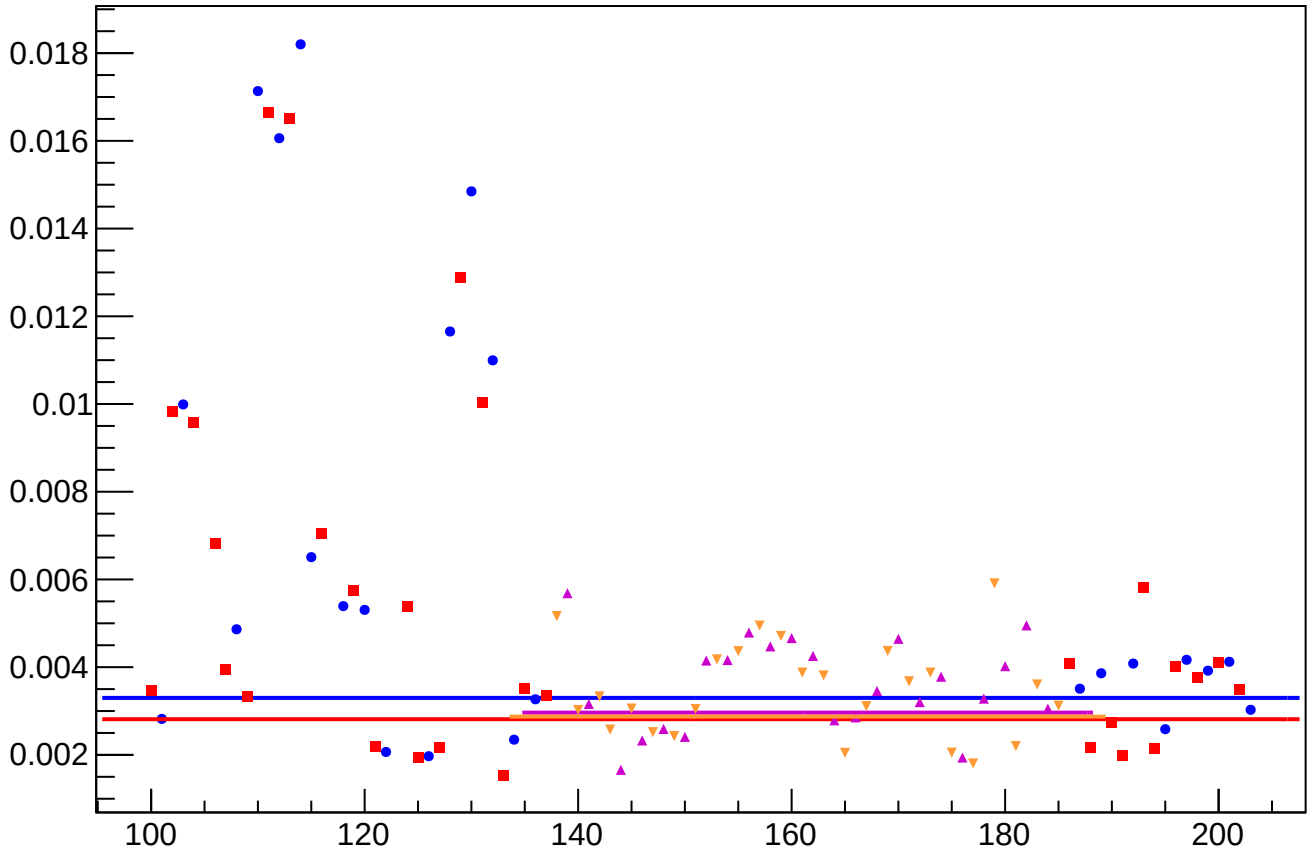
Left: -0.000+/-0.000 χ^2/NDF: 74.6/47

Right: 0.000+/-0.000 χ^2/NDF: 42.9/52

In: 0.000+/-0.000 χ^2/NDF:42.0/46

Out: 0.000+/-0.000 χ^2/NDF:76.3/53

All: 0.000+/-0.000 χ^2/NDF: 118.4/100



Right In: 0.003+/-0.000 χ^2/NDF: 4959275.0/23

Left Out: 0.003+/-0.000 χ^2/NDF:3602368.5/24

Right Out: 0.003+/-0.000 χ^2/NDF: 6449352.7/28

Left In: 0.003+/-0.000 χ^2/NDF:3619016.3/22

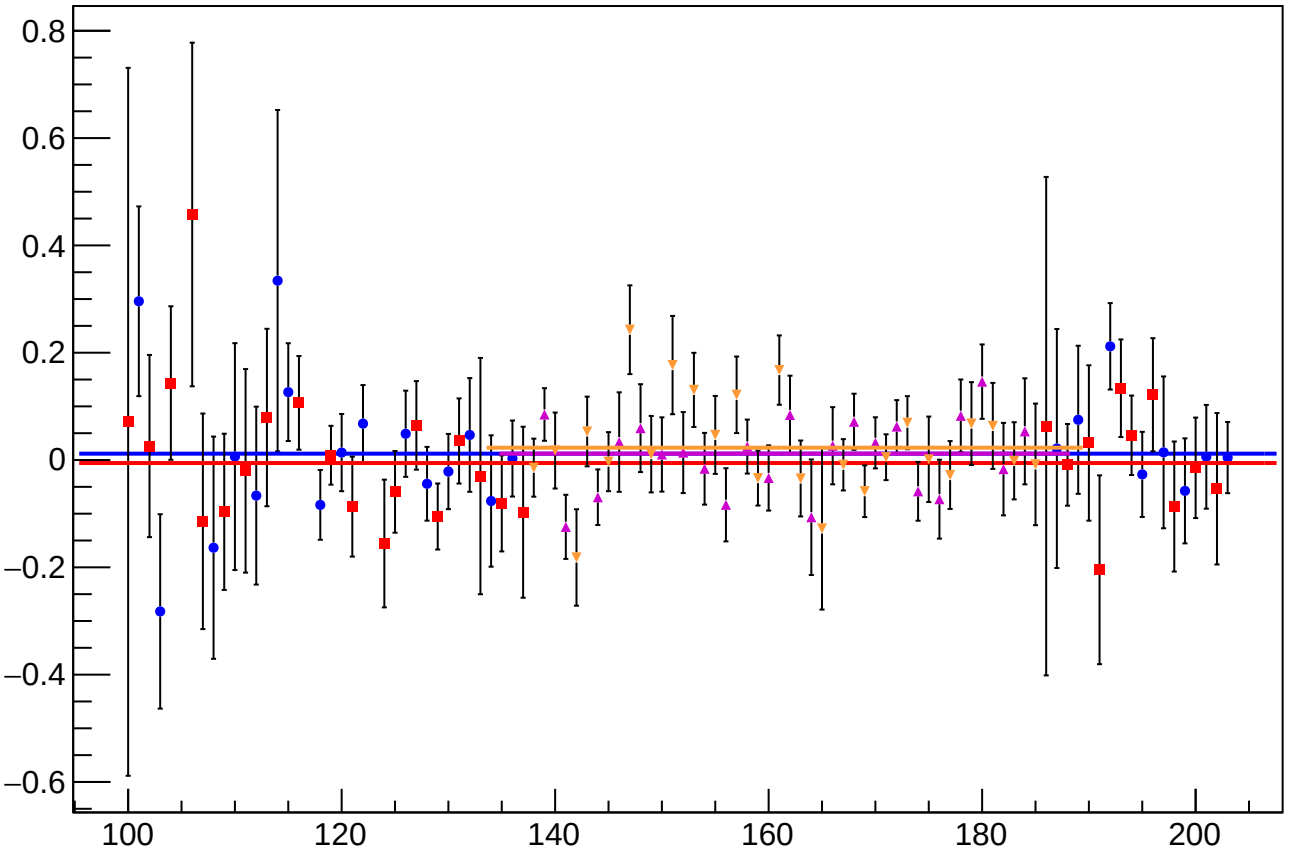
Left: 0.003+/-0.000 χ^2/NDF: 7237301.1/47

Right: 0.003+/-0.000 χ^2/NDF: 11665384.4/52

In: 0.003+/-0.000 χ^2/NDF:8716297.4/46

Out: 0.003+/-0.000 χ^2/NDF:10057467.1/53

All: 0.003+/-0.000 χ^2/NDF: 18932137.5/100



Right In: 0.012+/-0.019 χ^2/NDF: 20.4/23

Left Out: 0.023+/-0.013 χ^2/NDF:34.2/24

Right Out: -0.006+/-0.019 χ^2/NDF: 19.6/28

Left In: 0.012+/-0.013 χ^2/NDF:25.9/22

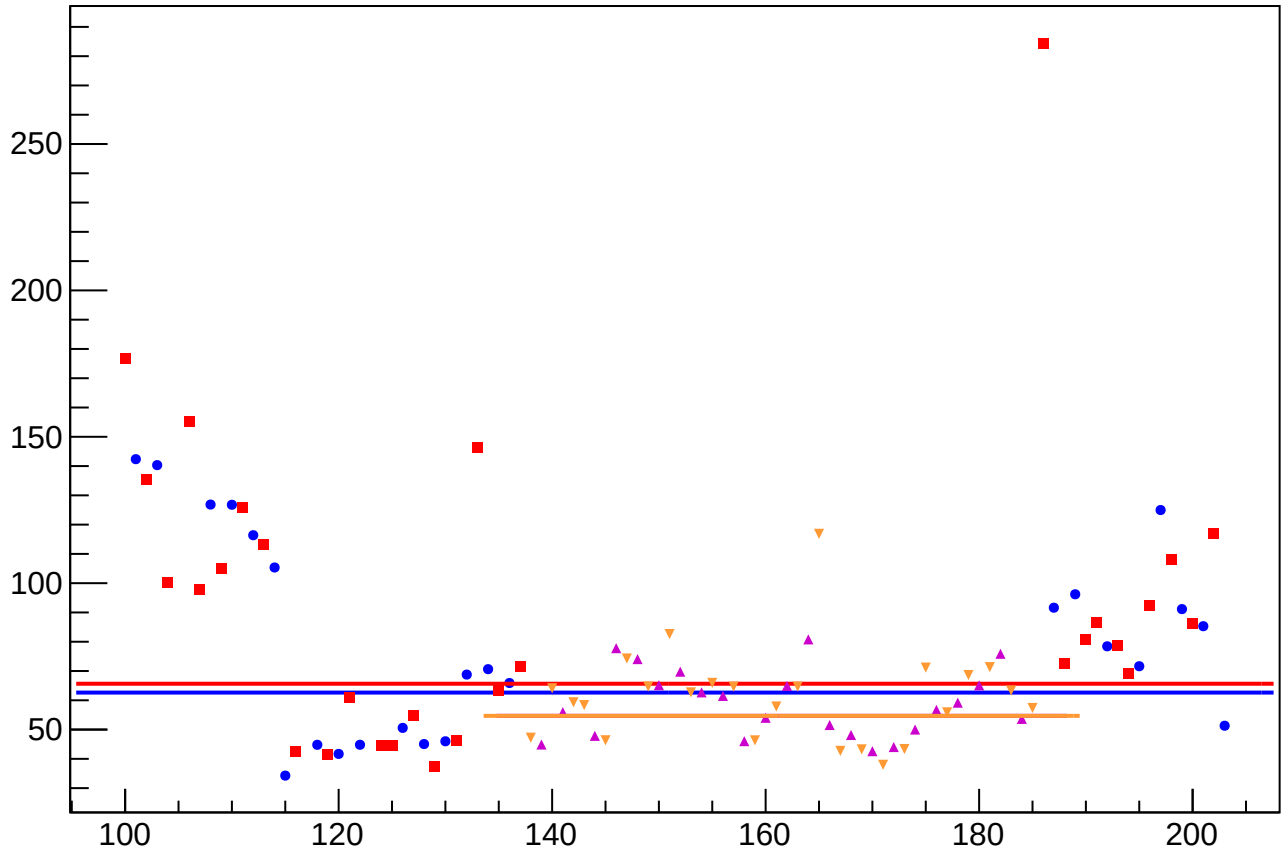
Left: 0.018+/-0.009 χ^2/NDF: 60.4/47

Right: 0.003+/-0.014 χ^2/NDF: 40.5/52

In: 0.012+/-0.011 χ^2/NDF:46.3/46

Out: 0.014+/-0.011 χ^2/NDF:55.3/53

All: 0.013+/-0.008 χ^2/NDF: 101.7/100



Right In: 62.634+/-0.014 χ^2/NDF: 3323078.4/23

Left Out: 54.686+/-0.009 χ^2/NDF:1936555.1/24

Right Out: 65.654+/-0.014 χ^2/NDF: 4131349.2/28

Left In: 54.689+/-0.009 χ^2/NDF:1190755.4/22

Left: 54.688+/-0.007 χ^2/NDF: 3127310.5/47

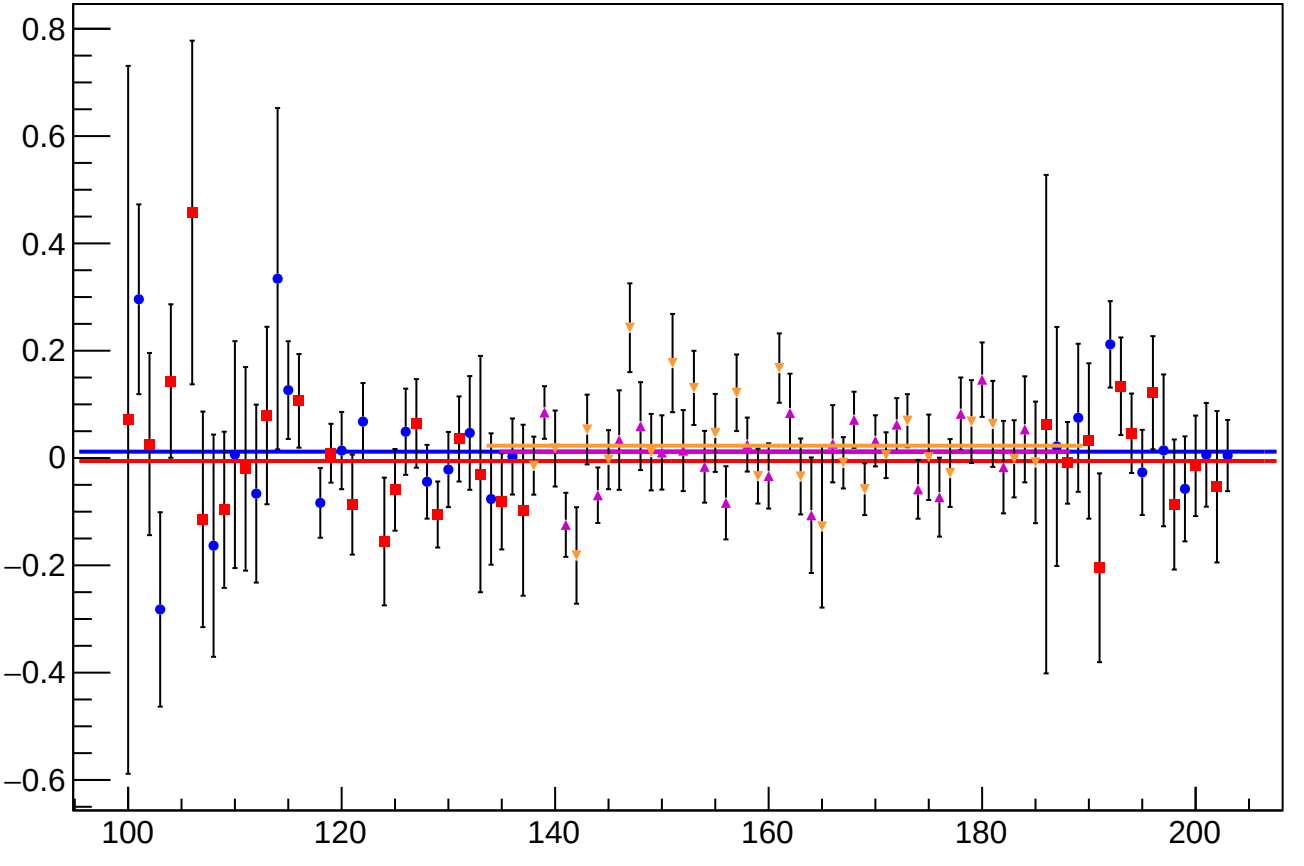
Right: 64.142+/-0.010 χ^2/NDF: 7479001.5/52

In: 57.245+/-0.008 χ^2/NDF:4744873.3/46

Out: 58.090+/-0.008 χ^2/NDF:6514409.6/53

All: 57.674+/-0.005 χ^2/NDF: 11265371.5/100

asym_sam_26_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.012+/-0.019 χ^2/NDF: 20.4/23

Left Out: 0.023+/-0.013 χ^2/NDF:34.2/24

Right Out: -0.006+/-0.019 χ^2/NDF: 19.6/28

Left In: 0.012+/-0.013 χ^2/NDF:25.9/22

Left: 0.018+/-0.009 χ^2/NDF: 60.4/47

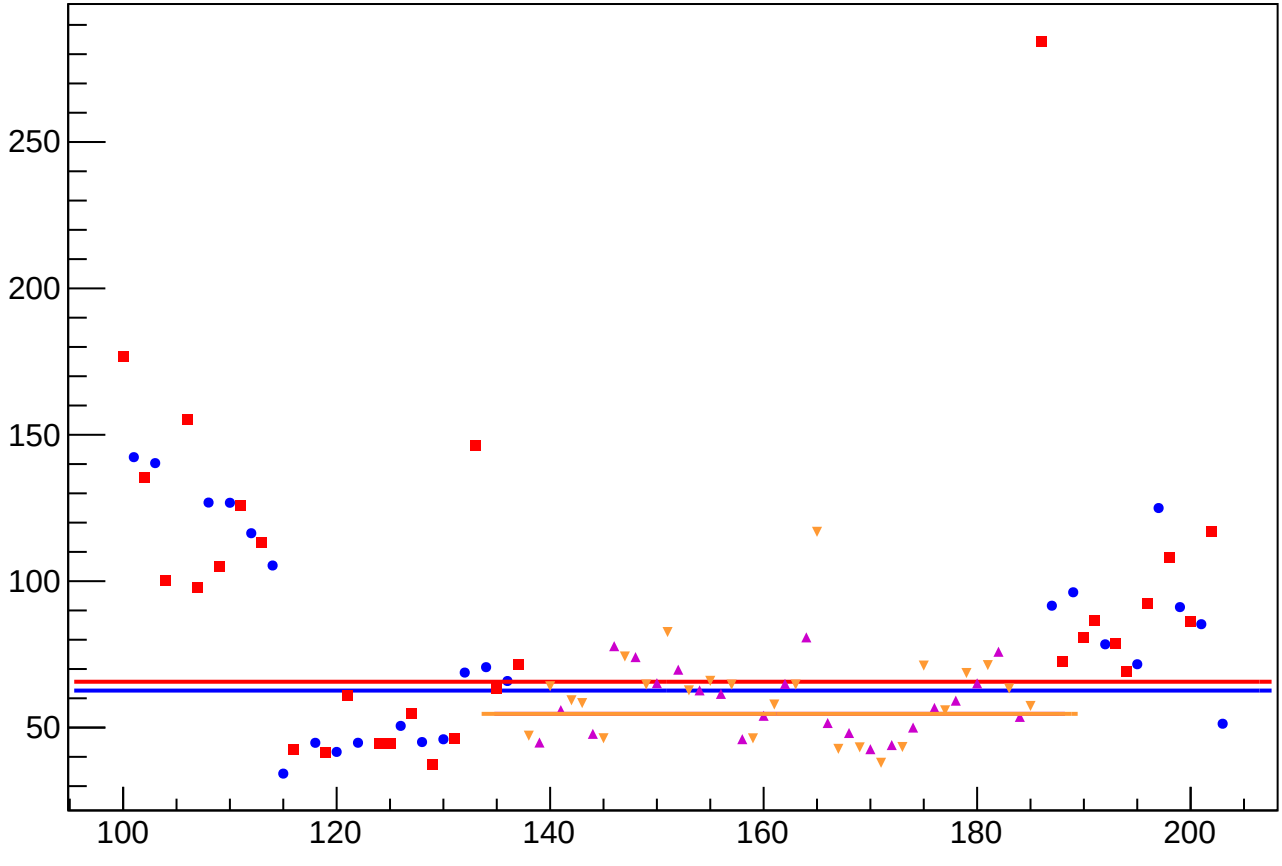
Right: 0.003+/-0.014 χ^2/NDF: 40.5/52

In: 0.012+/-0.011 χ^2/NDF:46.3/46

Out: 0.014+/-0.011 χ^2/NDF:55.3/53

All: 0.013+/-0.008 χ^2/NDF: 101.7/100

asym_sam_26_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 62.634+/-0.014 χ^2/NDF: 3323078.4/23

Left Out: 54.686+/-0.009 χ^2/NDF:1936555.1/24

Right Out: 65.654+/-0.014 χ^2/NDF: 4131349.2/28

Left In: 54.689+/-0.009 χ^2/NDF:1190755.4/22

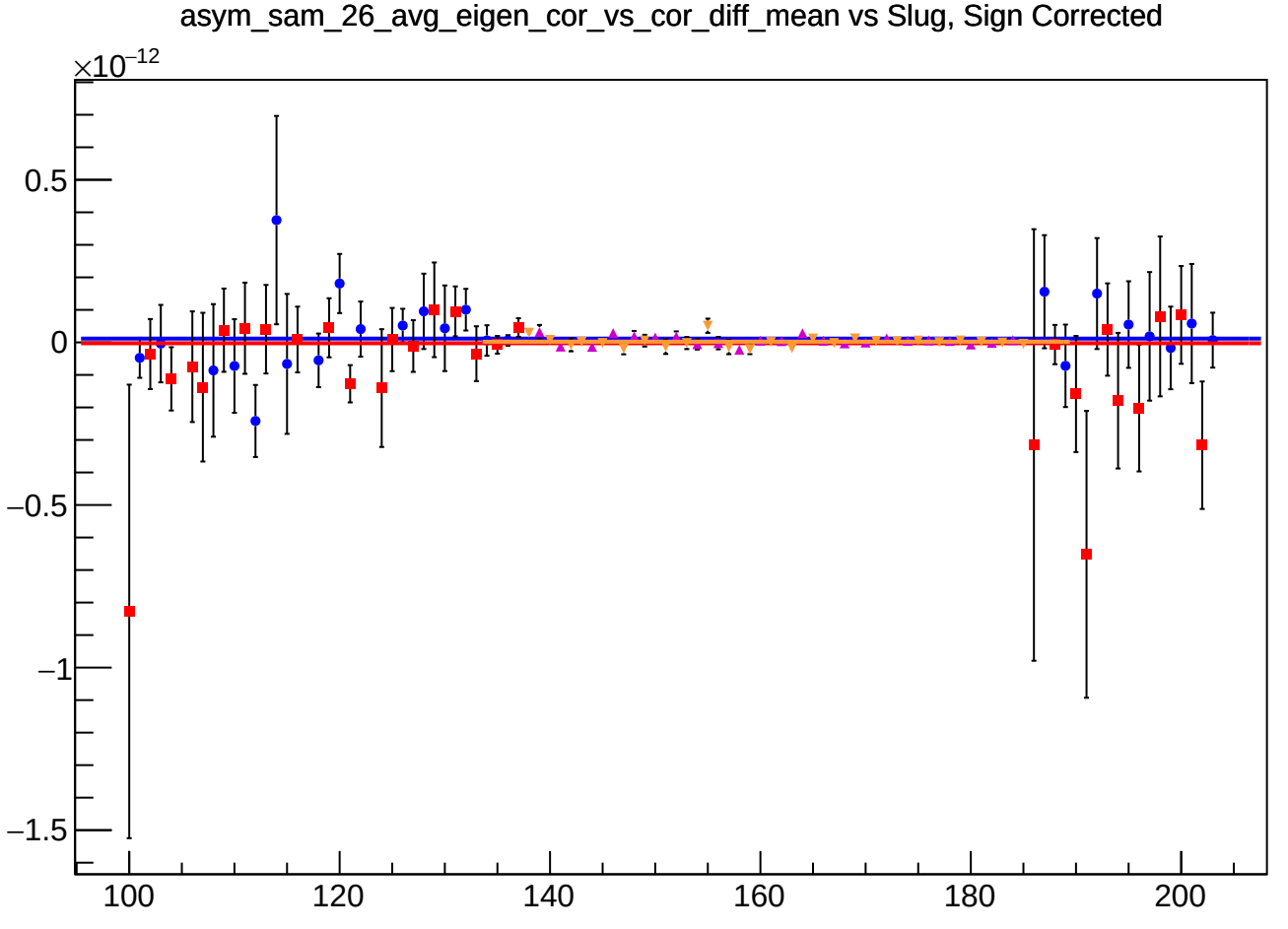
Left: 54.688+/-0.007 χ^2/NDF: 3127310.5/47

Right: 64.142+/-0.010 χ^2/NDF: 7479001.5/52

In: 57.245+/-0.008 χ^2/NDF:4744873.3/46

Out: 58.090+/-0.008 χ^2/NDF:6514409.6/53

All: 57.674+/-0.005 χ^2/NDF: 11265371.5/100



Right In: 0.000+/-0.000 χ^2/NDF: 17.7/23

Left Out: 0.000+/-0.000 χ^2/NDF:20.7/24

Right Out: -0.000+/-0.000 χ^2/NDF: 22.4/28

Left In: 0.000+/-0.000 χ^2/NDF:33.1/22

Left: 0.000+/-0.000 χ^2/NDF: 53.9/47

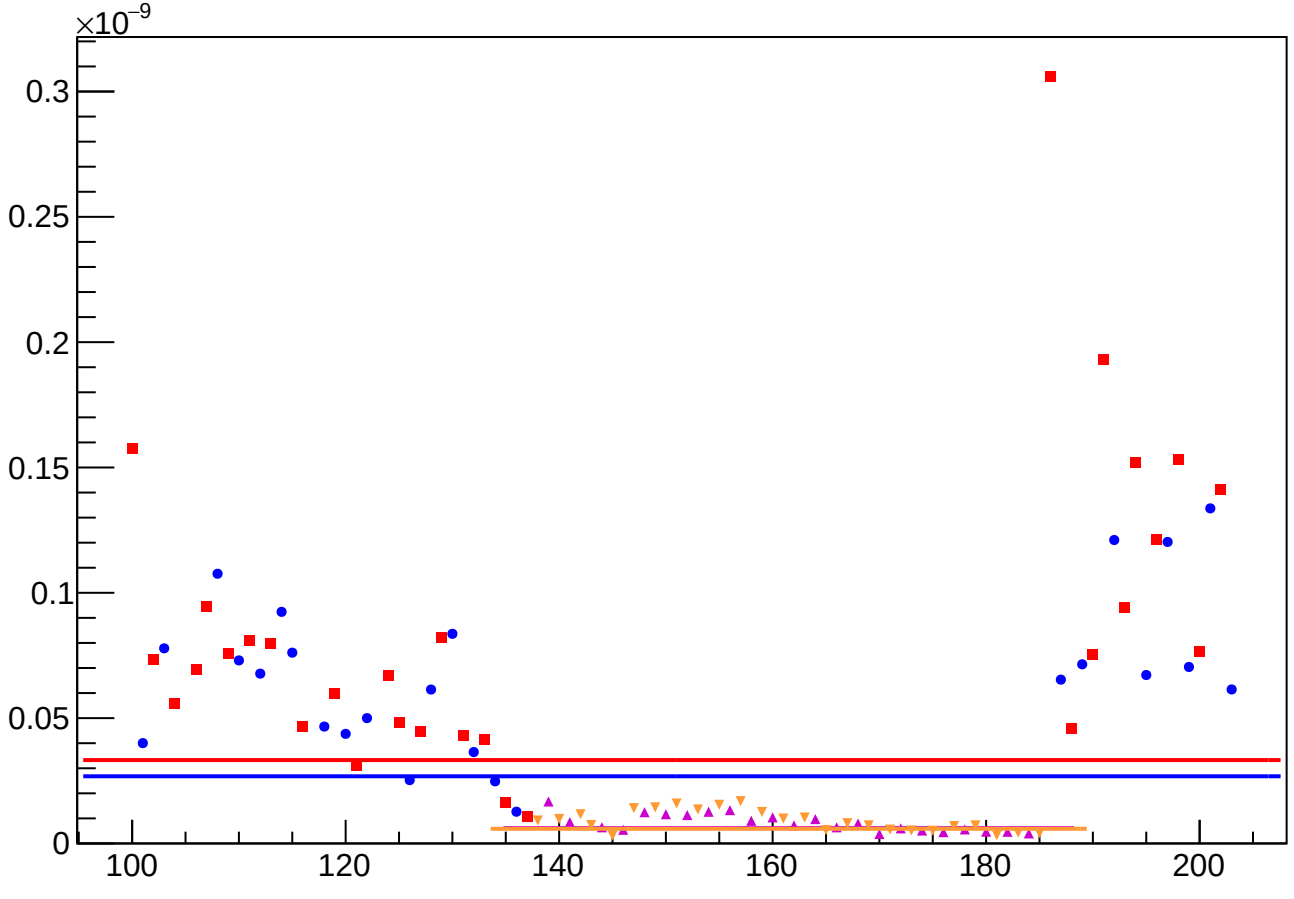
Right: 0.000+/-0.000 χ^2/NDF: 40.6/52

In: 0.000+/-0.000 χ^2/NDF:51.2/46

Out: 0.000+/-0.000 χ^2/NDF:43.2/53

All: 0.000+/-0.000 χ^2/NDF: 94.6/100

asym_sam_26_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 6747189.5/23

Left Out: 0.000+/-0.000 χ^2/NDF:5538819.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 7501218.1/28

Left In: 0.000+/-0.000 χ^2/NDF:3304370.7/22

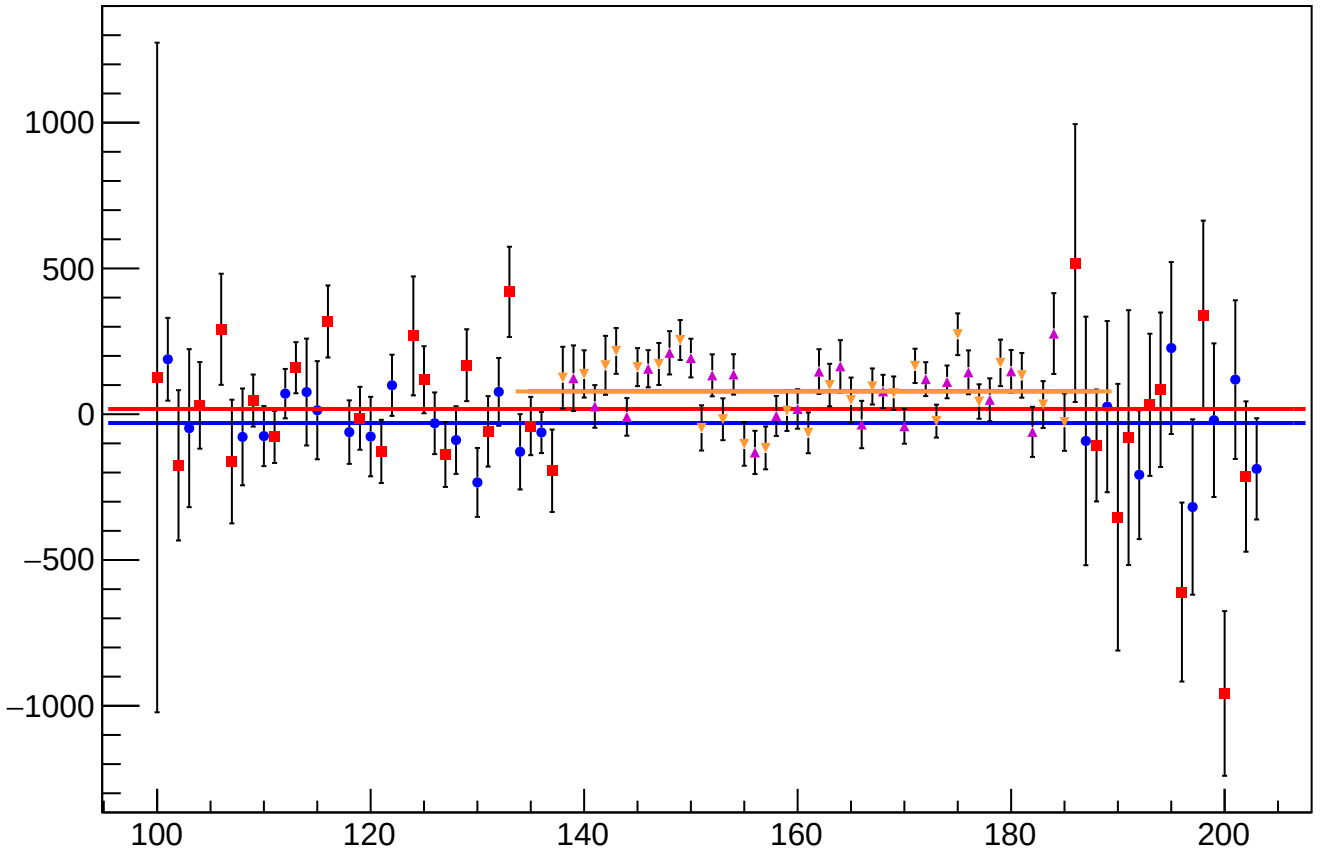
Left: 0.000+/-0.000 χ^2/NDF: 8861543.6/47

Right: 0.000+/-0.000 χ^2/NDF: 14474039.1/52

In: 0.000+/-0.000 χ^2/NDF:15397114.8/46

Out: 0.000+/-0.000 χ^2/NDF:19929888.4/53

All: 0.000+/-0.000 χ^2/NDF: 35354115.1/100



Right In: -30.170+/-27.549 χ^2/NDF: 14.6/23

Left Out: 78.159+/-14.326 χ^2/NDF:53.9/24

Right Out: 18.065+/-27.162 χ^2/NDF: 50.7/28

Left In: 78.506+/-14.811 χ^2/NDF:36.7/22

Left: 78.327+/-10.297 χ^2/NDF: 90.5/47

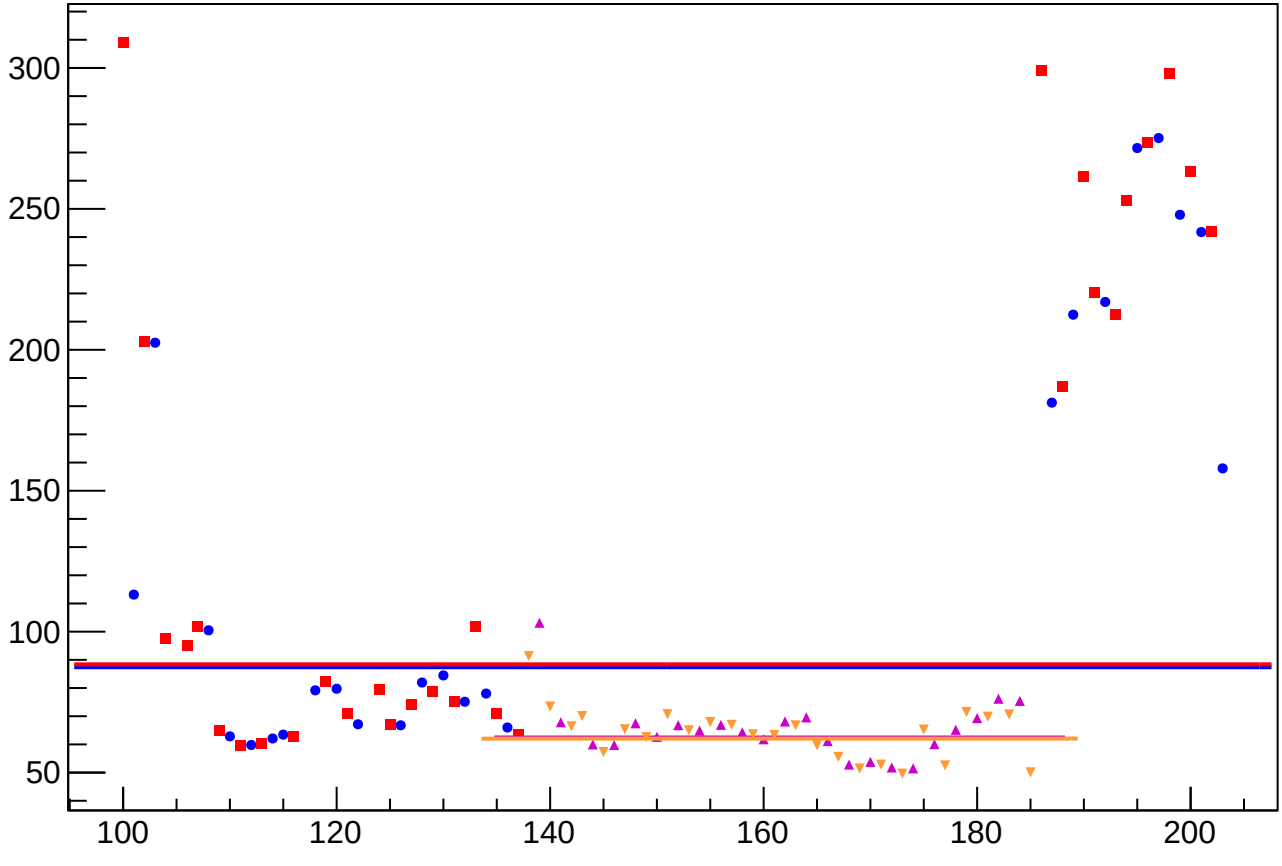
Right: -5.711+/-19.342 χ^2/NDF: 66.8/52

In: 54.138+/-13.045 χ^2/NDF:63.3/46

Out: 65.080+/-12.671 χ^2/NDF:108.4/53

All: 59.768+/-9.089 χ^2/NDF: 172.1/100

reg_asym_sam_37_avg_rms vs Slug, Sign Corrected



Right In: 87.380+/-0.019 χ^2/NDF: 5660047.3/23

Left Out: 62.063+/-0.010 χ^2/NDF:686530.2/24

Right Out: 88.405+/-0.019 χ^2/NDF: 7176284.1/28

Left In: 62.445+/-0.010 χ^2/NDF:664644.9/22

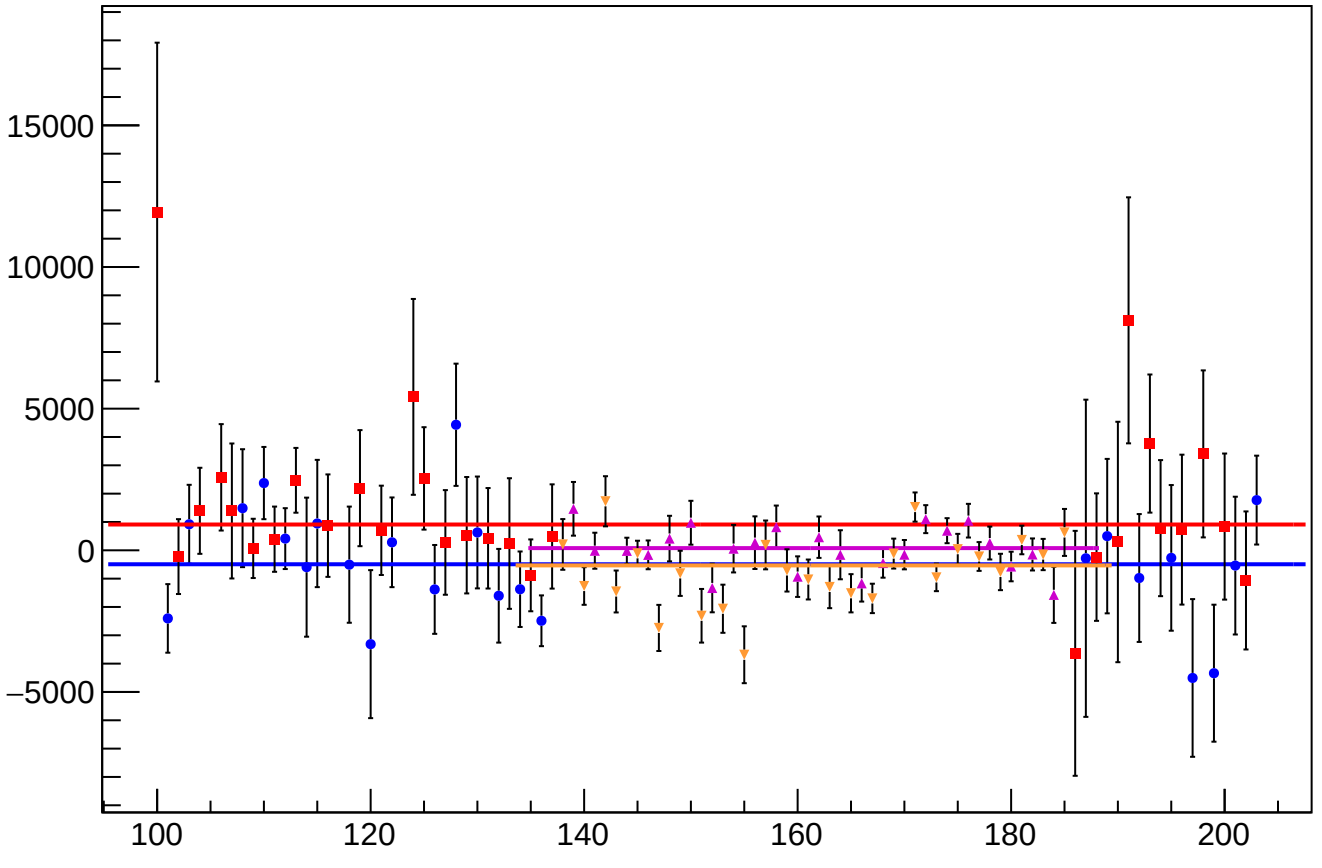
Left: 62.248+/-0.007 χ^2/NDF: 1351864.4/47

Right: 87.900+/-0.014 χ^2/NDF: 12837733.6/52

In: 68.036+/-0.009 χ^2/NDF:7595750.0/46

Out: 67.796+/-0.009 χ^2/NDF:9334566.4/53

All: 67.912+/-0.006 χ^2/NDF: 16930667.2/100



Right In: -492.476+/-343.003 χ^2/NDF: 30.6/23

Left Out: -532.779+/-127.927 χ^2/NDF:69.1/24

Right Out: 910.506+/-343.096 χ^2/NDF: 20.0/28

Left In: 77.393+/-130.317 χ^2/NDF:28.4/22

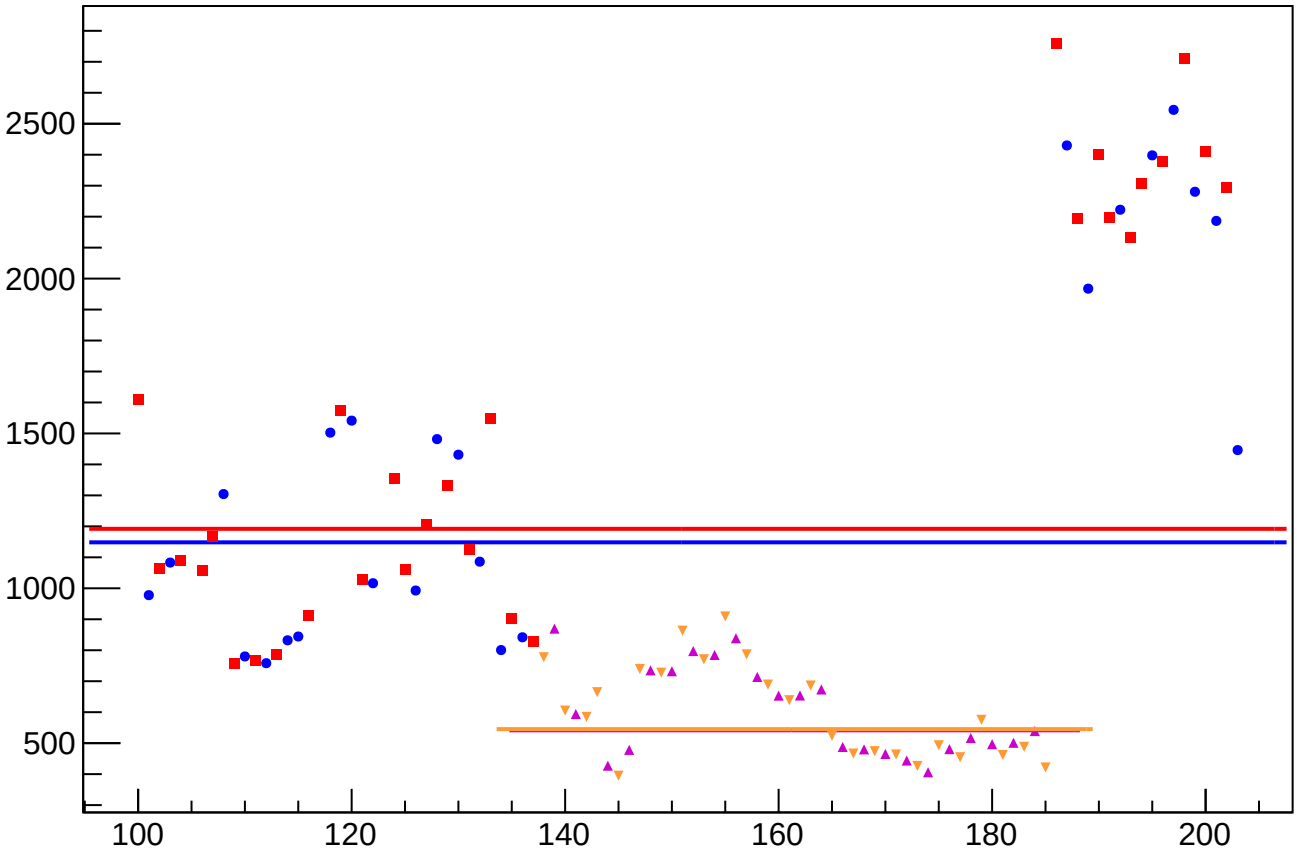
Left: -233.341+/-91.291 χ^2/NDF: 108.6/47

Right: 208.825+/-242.573 χ^2/NDF: 58.9/52

In: 5.510+/-121.821 χ^2/NDF:61.4/46

Out: -356.618+/-119.865 χ^2/NDF:104.6/53

All: -178.484+/-85.441 χ^2/NDF: 170.4/100



Right In: 1148.388+/-0.243 χ^2/NDF: 3745438.7/23

Left Out: 545.304+/-0.090 χ^2/NDF:2083690.3/24

Right Out: 1192.016+/-0.243 χ^2/NDF: 4757633.4/28

Left In: 541.458+/-0.092 χ^2/NDF:1840342.7/22

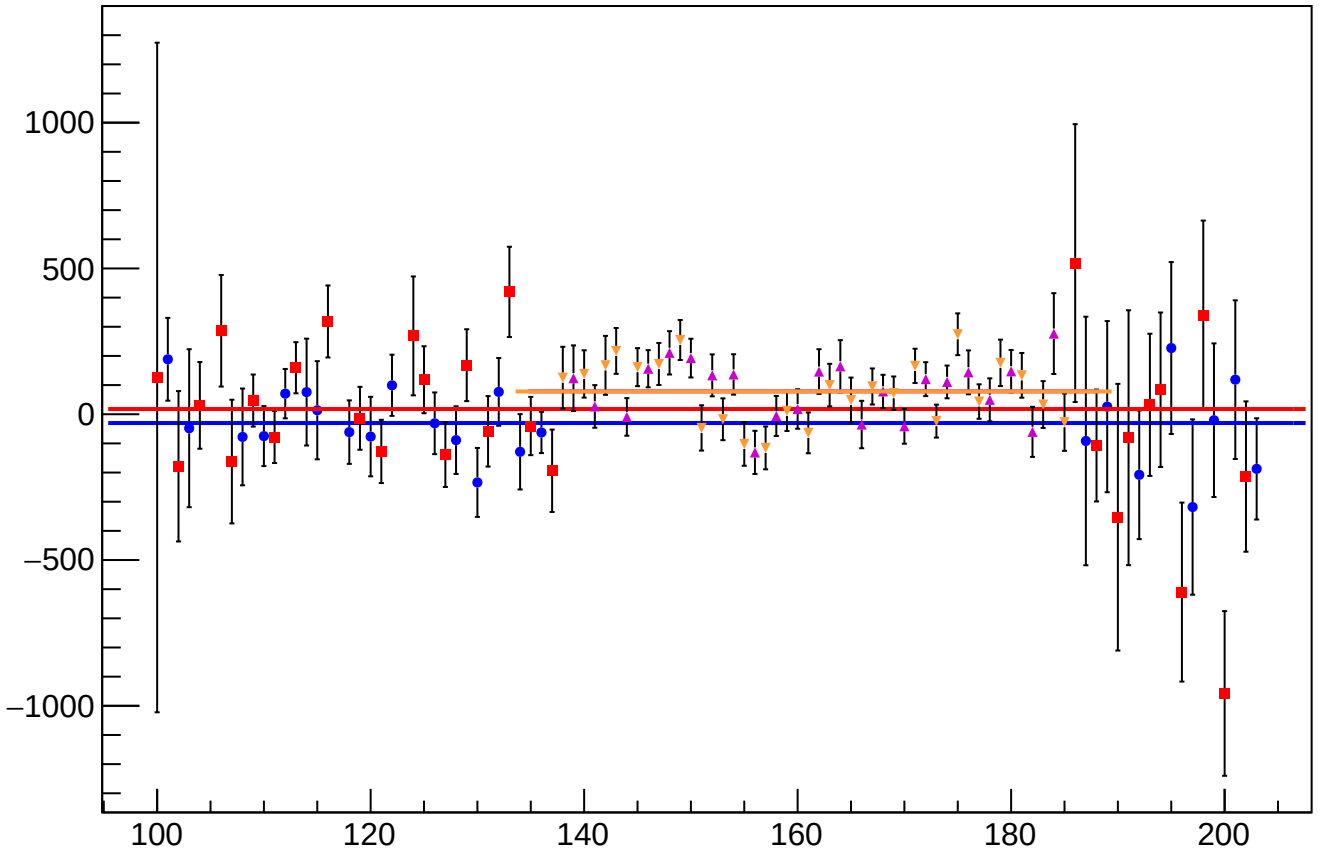
Left: 543.417+/-0.065 χ^2/NDF: 3924920.4/47

Right: 1170.196+/-0.172 χ^2/NDF: 8519246.3/52

In: 618.015+/-0.086 χ^2/NDF:11057878.4/46

Out: 624.239+/-0.085 χ^2/NDF:13079938.4/53

All: 621.178+/-0.060 χ^2/NDF: 24140468.9/10



Right In: -30.177+/-27.549 χ^2/NDF: 14.6/23

Left Out: 78.162+/-14.326 χ^2/NDF:53.9/24

Right Out: 17.879+/-27.164 χ^2/NDF: 50.6/28

Left In: 78.506+/-14.811 χ^2/NDF:36.7/22

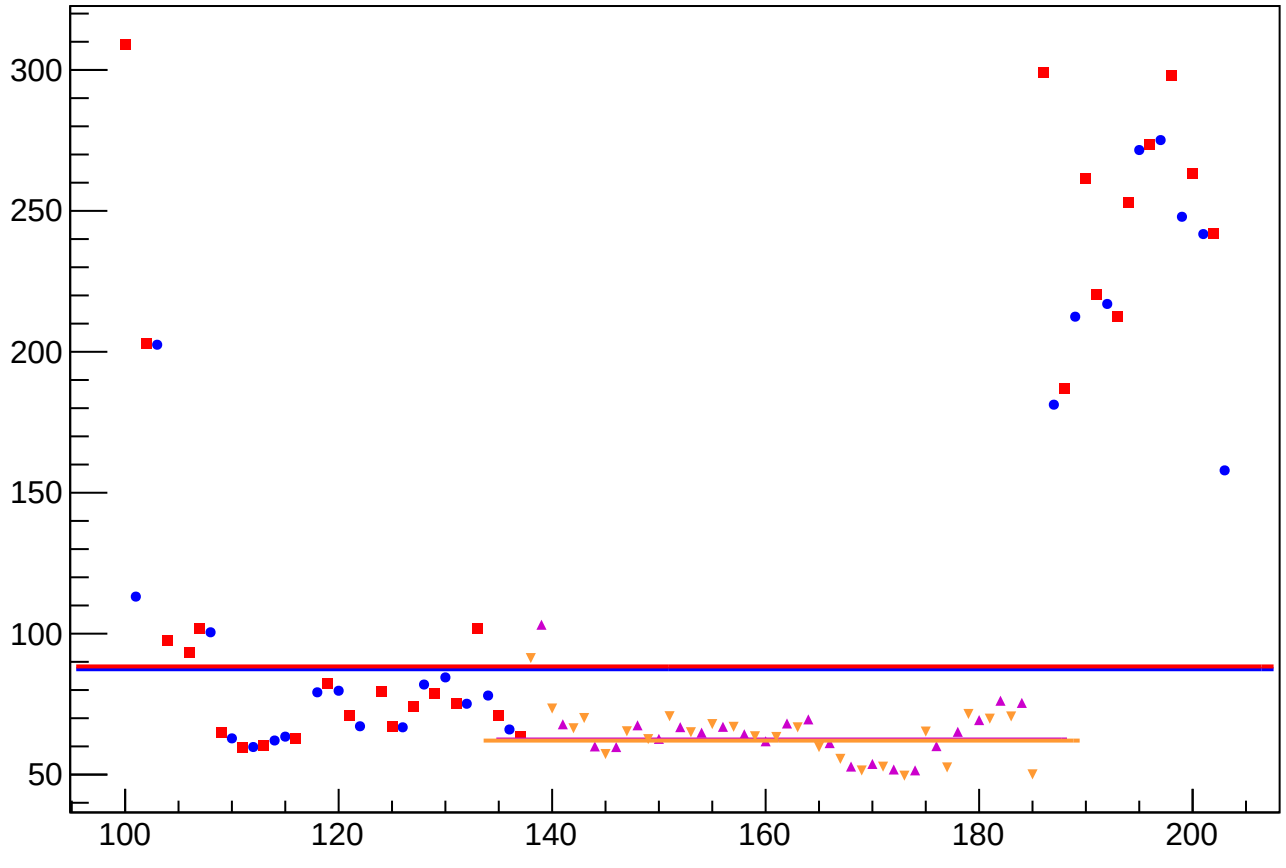
Left: 78.329+/-10.297 χ^2/NDF: 90.5/47

Right: -5.811+/-19.343 χ^2/NDF: 66.7/52

In: 54.136+/-13.046 χ^2/NDF:63.3/46

Out: 65.045+/-12.671 χ^2/NDF:108.4/53

All: 59.749+/-9.089 χ^2/NDF: 172.0/100



Right In: 87.380+/-0.019 χ^2/NDF: 5660049.7/23

Left Out: 62.063+/-0.010 χ^2/NDF:686530.2/24

Right Out: 88.369+/-0.019 χ^2/NDF: 7175410.7/28

Left In: 62.445+/-0.010 χ^2/NDF:664644.9/22

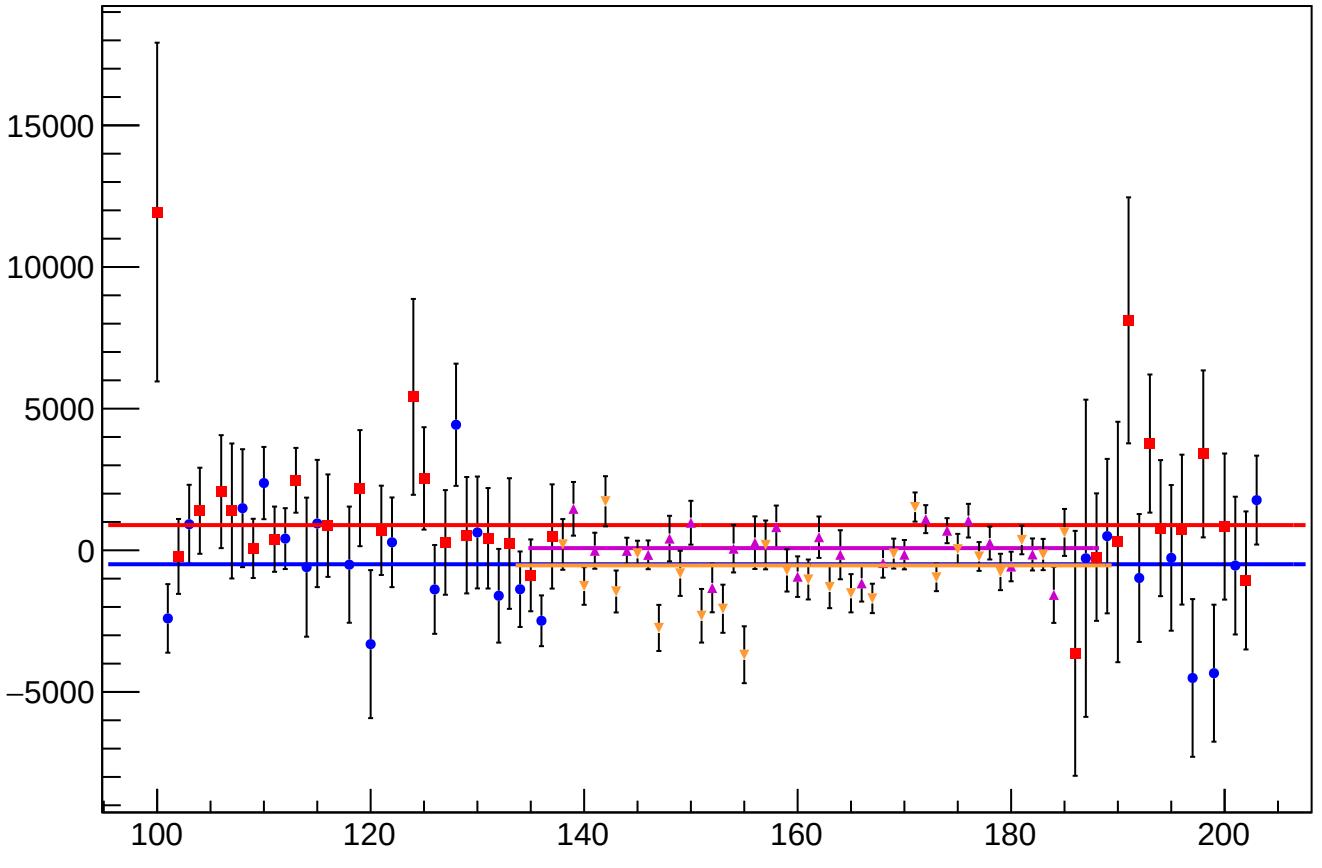
Left: 62.248+/-0.007 χ^2/NDF: 1351864.3/47

Right: 87.882+/-0.014 χ^2/NDF: 12836767.1/52

In: 68.036+/-0.009 χ^2/NDF:7595752.0/46

Out: 67.787+/-0.009 χ^2/NDF:9329521.9/53

All: 67.908+/-0.006 χ^2/NDF: 16925650.0/100



Right In: -492.463+/-343.005 χ^2/NDF: 30.6/23

Left Out: -532.776+/-127.927 χ^2/NDF:69.1/24

Right Out: 889.765+/-343.764 χ^2/NDF: 19.5/28

Left In: 77.392+/-130.317 χ^2/NDF:28.4/22

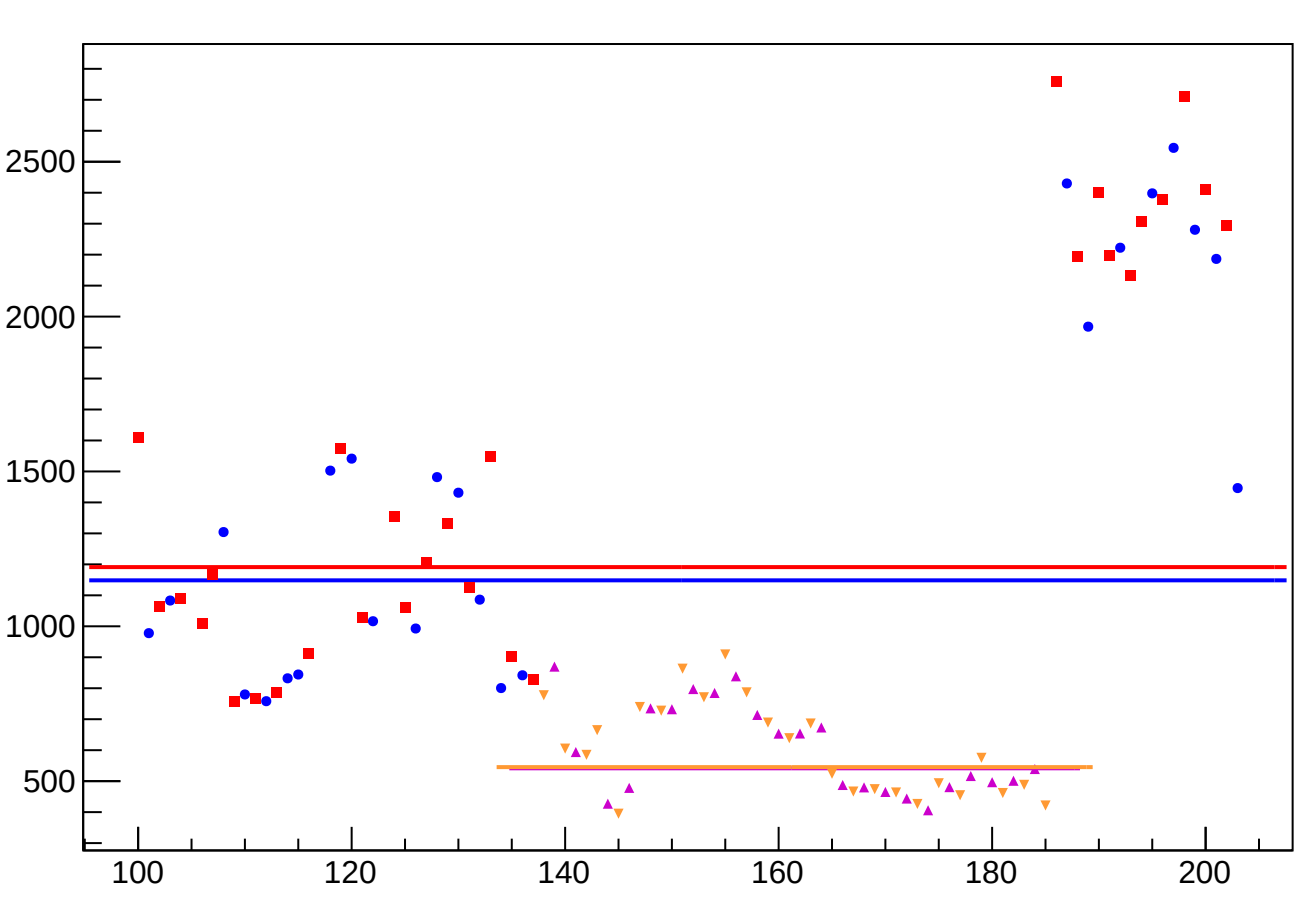
Left: -233.340+/-91.291 χ^2/NDF: 108.6/47

Right: 197.124+/-242.809 χ^2/NDF: 58.2/52

In: 5.512+/-121.821 χ^2/NDF:61.4/46

Out: -359.739+/-119.894 χ^2/NDF:103.6/53

All: -180.026+/-85.451 χ^2/NDF: 169.6/100



Right In: 1148.395+/-0.243 χ^2/NDF: 3745427.7/23

Left Out: 545.304+/-0.090 χ^2/NDF:2083686.2/24

Right Out: 1191.162+/-0.243 χ^2/NDF: 4763891.4/28

Left In: 541.458+/-0.092 χ^2/NDF:1840342.7/22

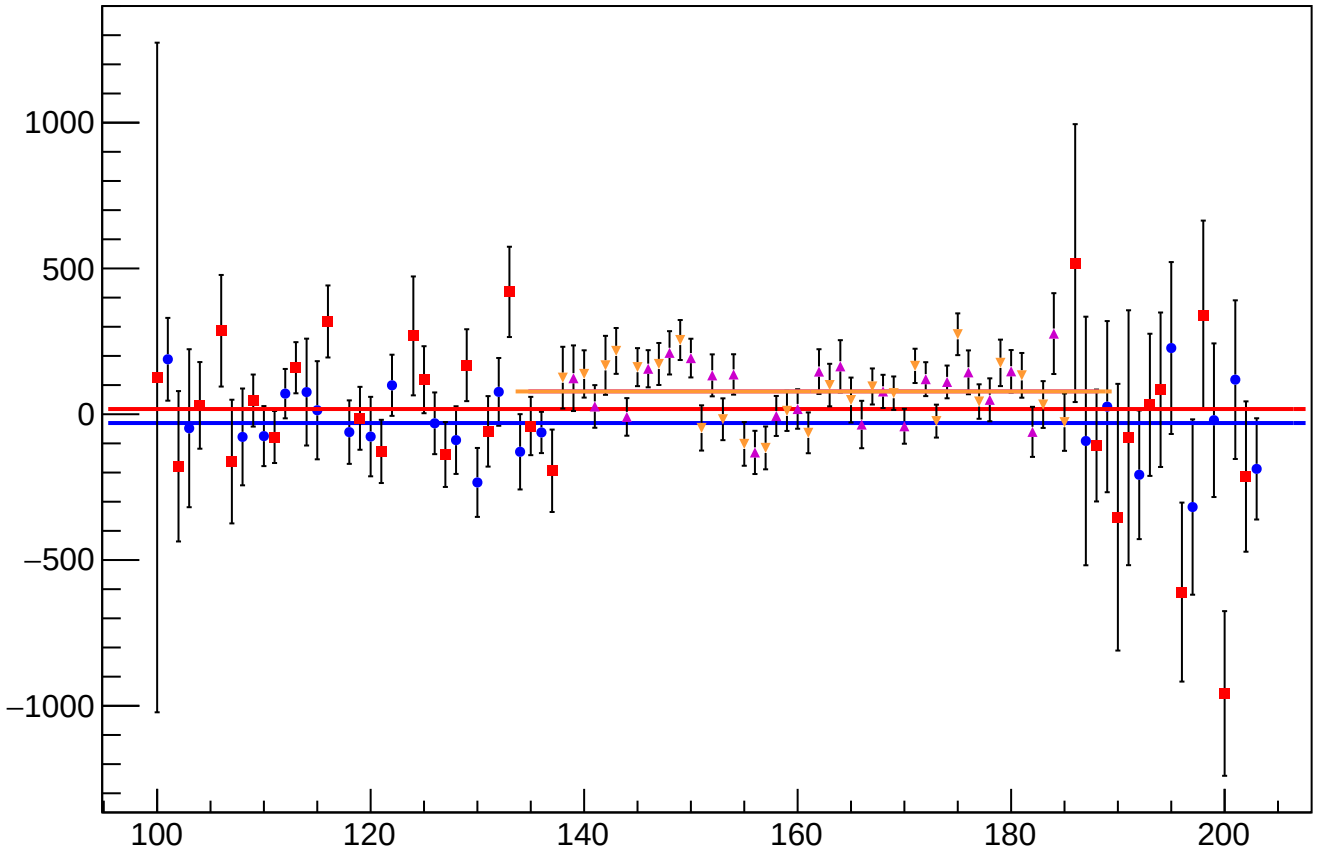
Left: 543.417+/-0.065 χ^2/NDF: 3924916.2/47

Right: 1169.731+/-0.172 χ^2/NDF: 8524830.4/52

In: 618.016+/-0.086 χ^2/NDF:11057935.1/46

Out: 623.866+/-0.085 χ^2/NDF:13048498.8/53

All: 620.987+/-0.060 χ^2/NDF: 24108776.9/10



Right In: -30.177+/-27.549 χ^2/NDF: 14.6/23

Left Out: 78.162+/-14.326 χ^2/NDF:53.9/24

Right Out: 17.879+/-27.164 χ^2/NDF: 50.6/28

Left In: 78.506+/-14.811 χ^2/NDF:36.7/22

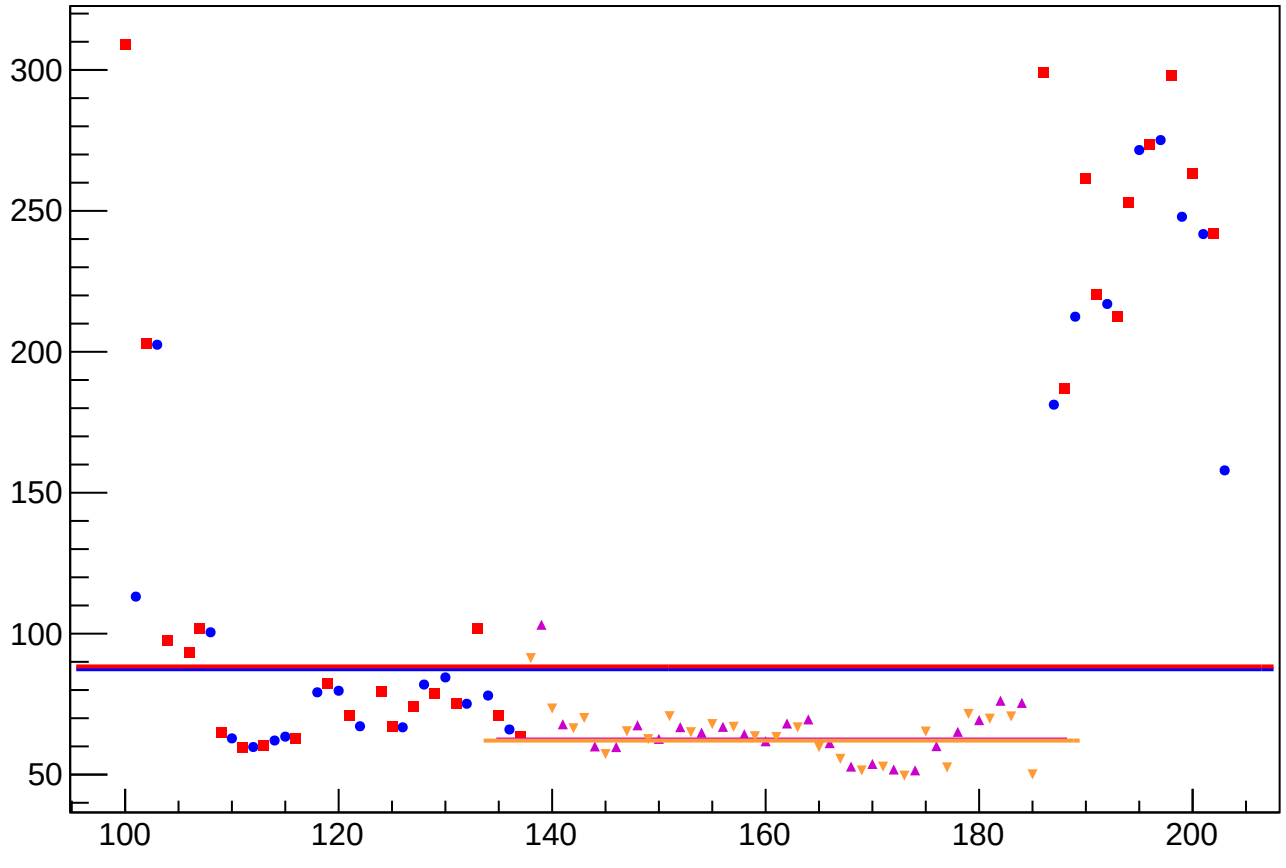
Left: 78.329+/-10.297 χ^2/NDF: 90.5/47

Right: -5.811+/-19.343 χ^2/NDF: 66.7/52

In: 54.136+/-13.046 χ^2/NDF:63.3/46

Out: 65.045+/-12.671 χ^2/NDF:108.4/53

All: 59.749+/-9.089 χ^2/NDF: 172.0/100



Right In: 87.380+/-0.019 χ^2/NDF: 5660049.7/23

Left Out: 62.063+/-0.010 χ^2/NDF:686530.2/24

Right Out: 88.369+/-0.019 χ^2/NDF: 7175410.7/28

Left In: 62.445+/-0.010 χ^2/NDF:664644.9/22

Left: 62.248+/-0.007 χ^2/NDF: 1351864.3/47

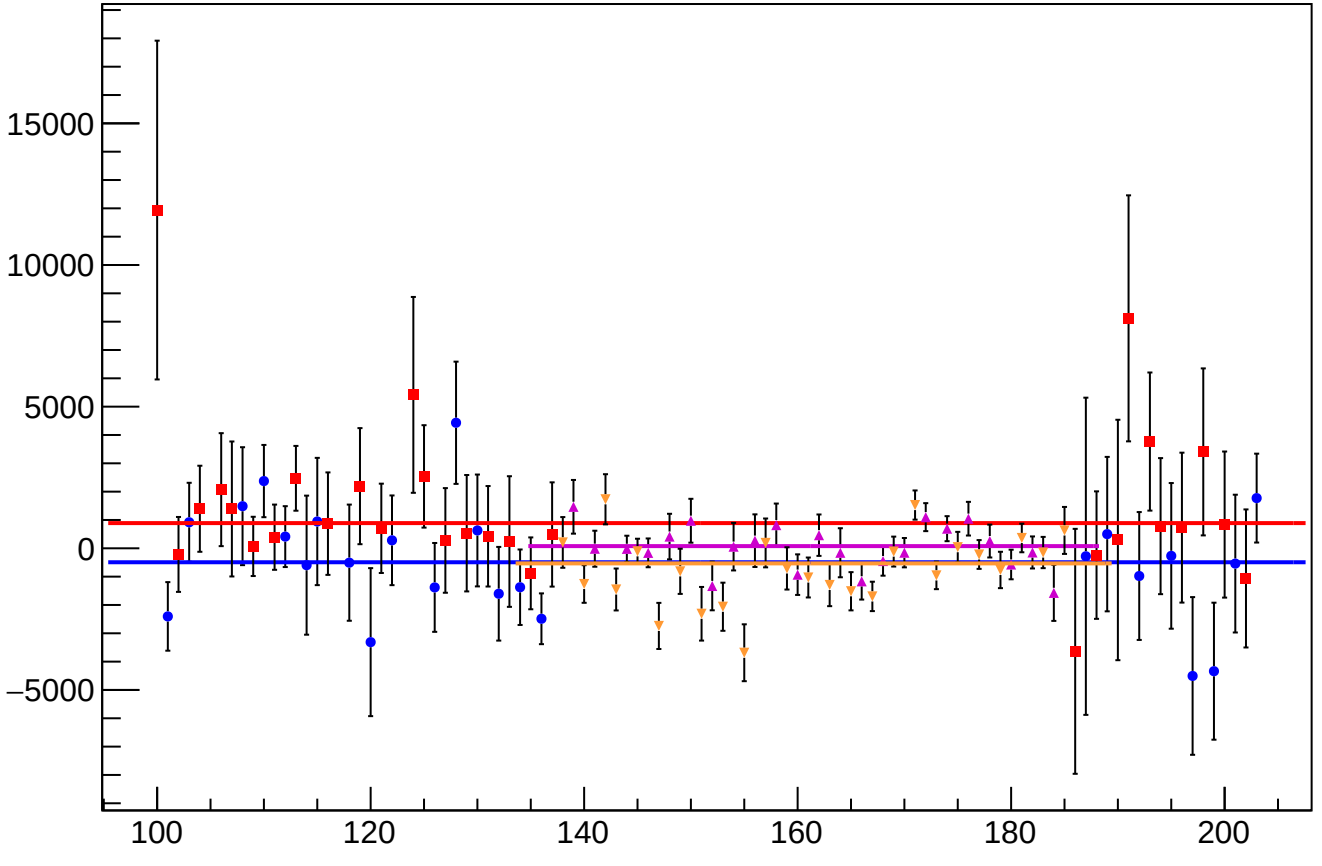
Right: 87.882+/-0.014 χ^2/NDF: 12836767.1/52

In: 68.036+/-0.009 χ^2/NDF:7595752.0/46

Out: 67.787+/-0.009 χ^2/NDF:9329521.9/53

All: 67.908+/-0.006 χ^2/NDF: 16925650.0/100

asym_sam_37_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -492.463+/-343.005 χ^2/NDF: 30.6/23

Left Out: -532.776+/-127.927 χ^2/NDF:69.1/24

Right Out: 889.765+/-343.764 χ^2/NDF: 19.5/28

Left In: 77.392+/-130.317 χ^2/NDF:28.4/22

Left: -233.340+/-91.291 χ^2/NDF: 108.6/47

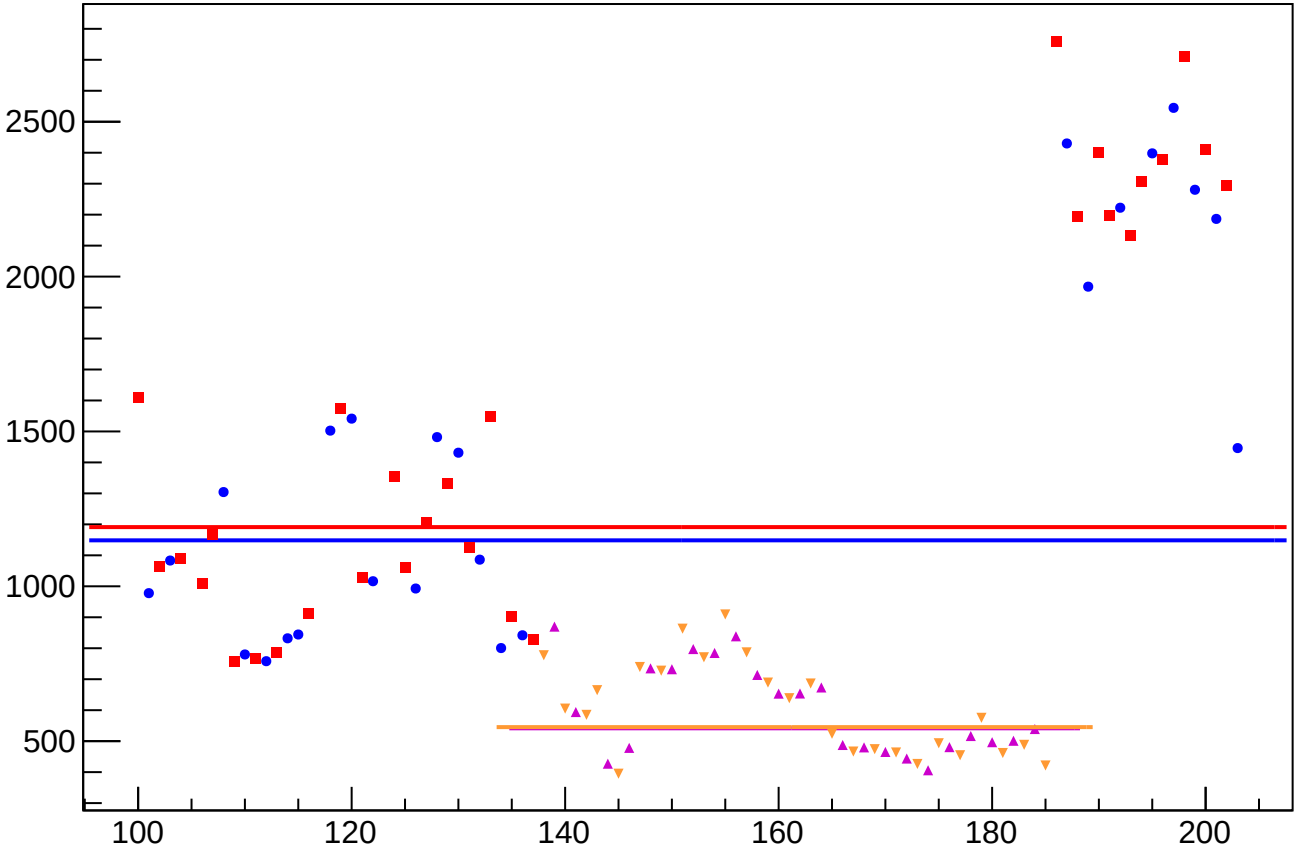
Right: 197.124+/-242.809 χ^2/NDF: 58.2/52

In: 5.512+/-121.821 χ^2/NDF:61.4/46

Out: -359.739+/-119.894 χ^2/NDF:103.6/53

All: -180.026+/-85.451 χ^2/NDF: 169.6/100

asym_sam_37_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 1148.395+/-0.243 χ^2/NDF: 3745427.7/23

Left Out: 545.304+/-0.090 χ^2/NDF:2083686.2/24

Right Out: 1191.162+/-0.243 χ^2/NDF: 4763891.4/28

Left In: 541.458+/-0.092 χ^2/NDF:1840342.7/22

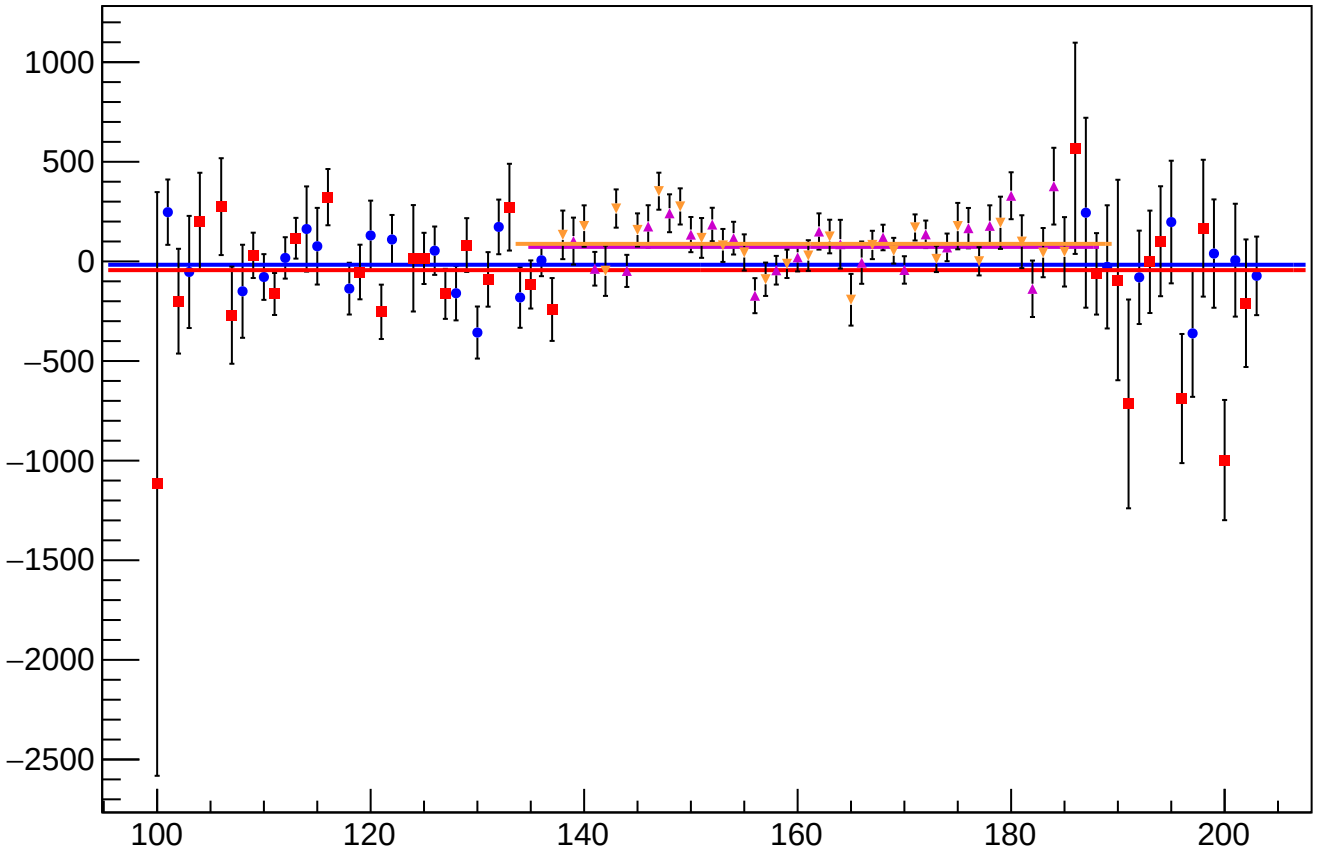
Left: 543.417+/-0.065 χ^2/NDF: 3924916.2/47

Right: 1169.731+/-0.172 χ^2/NDF: 8524830.4/52

In: 618.016+/-0.086 χ^2/NDF:11057935.1/46

Out: 623.866+/-0.085 χ^2/NDF:13048498.8/53

All: 620.987+/-0.060 χ^2/NDF: 24108776.9/10



Right In: -16.810+/-31.903 χ^2/NDF: 20.4/23

Left Out: 88.040+/-17.745 χ^2/NDF:36.9/24

Right Out: -43.852+/-32.217 χ^2/NDF: 41.7/28

Left In: 72.849+/-18.276 χ^2/NDF:38.4/22

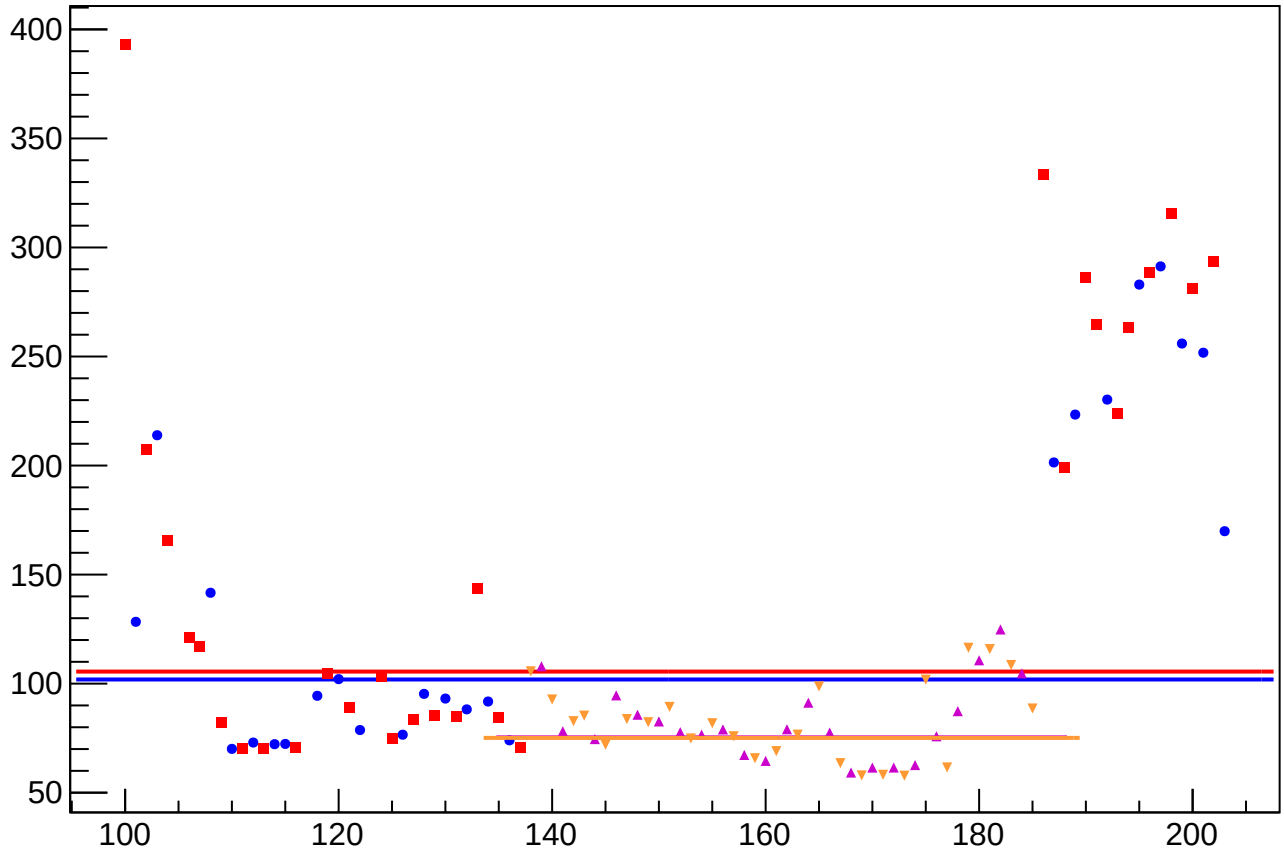
Left: 80.668+/-12.731 χ^2/NDF: 75.7/47

Right: -30.198+/-22.669 χ^2/NDF: 62.5/52

In: 50.696+/-15.858 χ^2/NDF:64.8/46

Out: 57.342+/-15.543 χ^2/NDF:91.5/53

All: 54.085+/-11.100 χ^2/NDF: 156.4/100



Right In: 101.902+/-0.023 χ^2/NDF: 5107567.1/23

Left Out: 75.128+/-0.013 χ^2/NDF:1601461.8/24

Right Out: 105.530+/-0.023 χ^2/NDF: 6742572.4/28

Left In: 75.363+/-0.013 χ^2/NDF:1225318.4/22

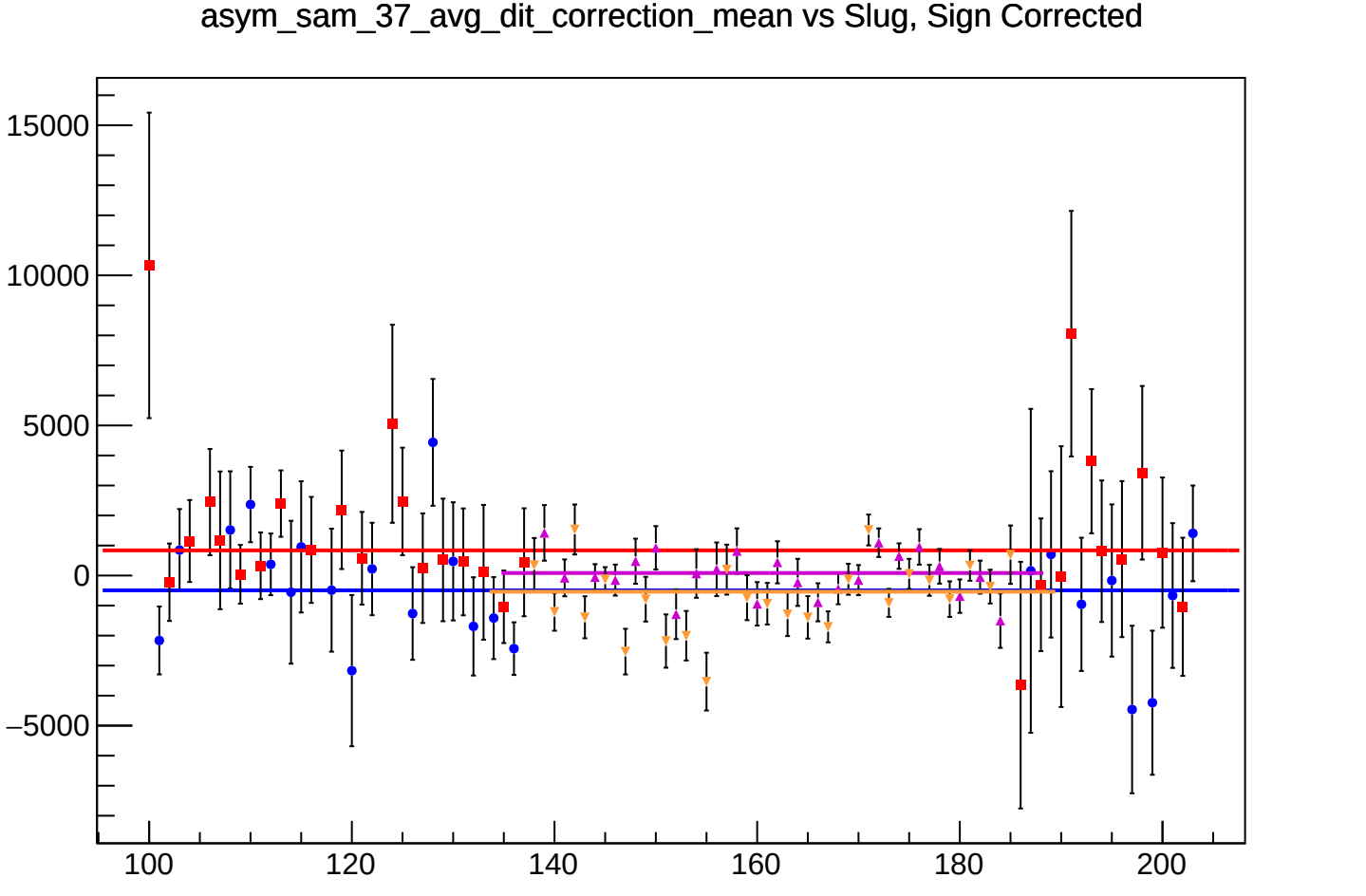
Left: 75.242+/-0.009 χ^2/NDF: 2826950.4/47

Right: 103.698+/-0.016 χ^2/NDF: 11862941.6/52

In: 81.920+/-0.011 χ^2/NDF:7374972.3/46

Out: 82.204+/-0.011 χ^2/NDF:9710472.7/53

All: 82.065+/-0.008 χ^2/NDF: 17085771.2/100



Right In: -492.487+/-335.721 χ^2/NDF: 29.9/23

Left Out: -536.789+/-124.471 χ^2/NDF:67.0/24

Right Out: 838.791+/-330.488 χ^2/NDF: 21.3/28

Left In: 84.668+/-127.039 χ^2/NDF:27.5/22

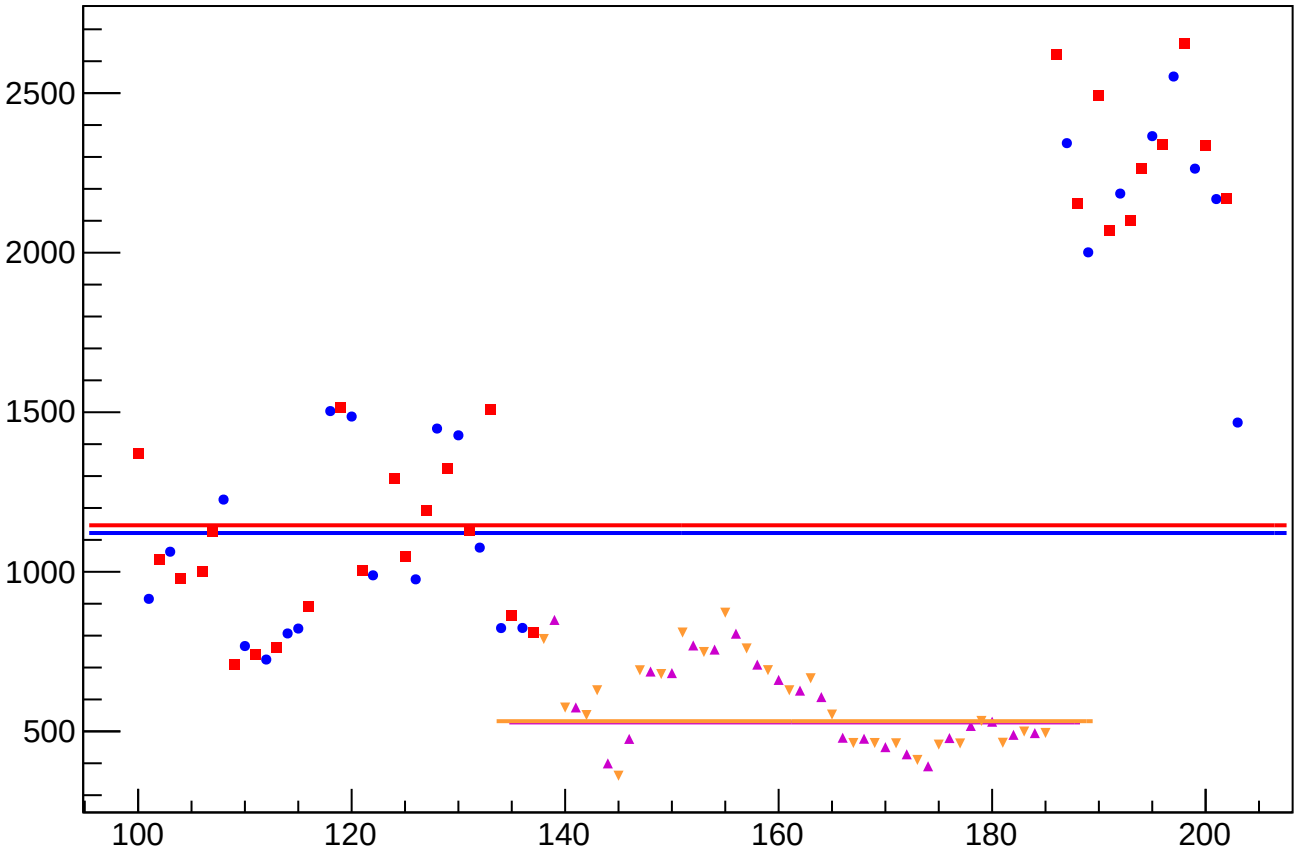
Left: -232.405+/-88.909 χ^2/NDF: 106.7/47

Right: 183.608+/-235.518 χ^2/NDF: 59.1/52

In: 12.376+/-118.817 χ^2/NDF:59.9/46

Out: -365.904+/-116.484 χ^2/NDF:103.5/53

All: -180.515+/-83.179 χ^2/NDF: 168.6/100



Right In: 1121.559+/-0.237 χ^2/NDF: 3868215.2/23

Left Out: 531.872+/-0.088 χ^2/NDF:2037750.0/24

Right Out: 1145.766+/-0.234 χ^2/NDF: 4905265.1/28

Left In: 527.986+/-0.090 χ^2/NDF:1800455.5/22

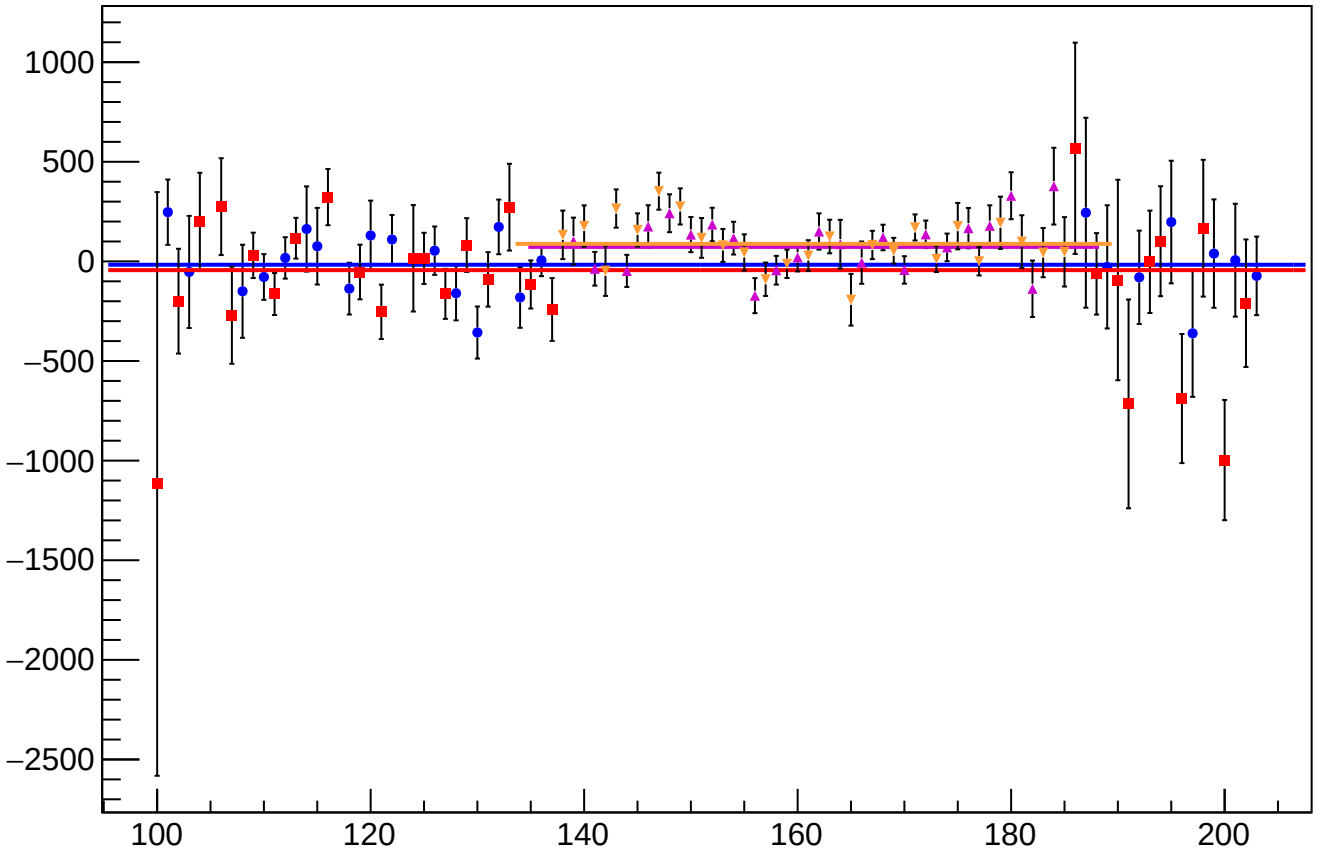
Left: 529.969+/-0.063 χ^2/NDF: 3839160.5/47

Right: 1133.853+/-0.167 χ^2/NDF: 8778761.1/52

In: 602.335+/-0.084 χ^2/NDF:11137617.0/46

Out: 608.135+/-0.082 χ^2/NDF:12986632.5/53

All: 605.292+/-0.059 χ^2/NDF: 24126679.8/10



Right In: -16.810+/-31.903 χ^2/NDF: 20.4/23

Left Out: 88.040+/-17.745 χ^2/NDF:36.9/24

Right Out: -43.855+/-32.217 χ^2/NDF: 41.7/28

Left In: 72.848+/-18.276 χ^2/NDF:38.4/22

Left: 80.668+/-12.731 χ^2/NDF: 75.7/47

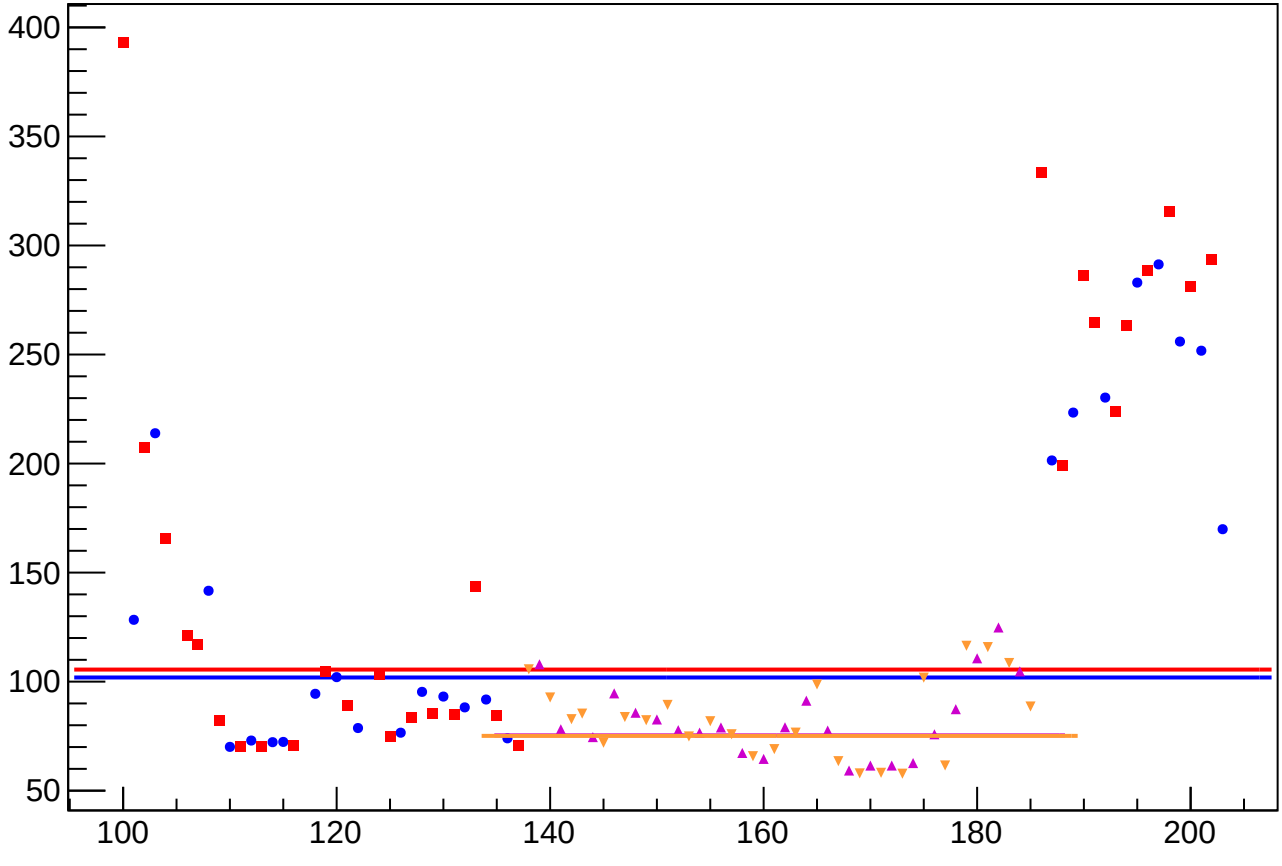
Right: -30.200+/-22.669 χ^2/NDF: 62.5/52

In: 50.695+/-15.858 χ^2/NDF:64.8/46

Out: 57.342+/-15.543 χ^2/NDF:91.5/53

All: 54.085+/-11.100 χ^2/NDF: 156.4/100

eigen_dit_asym_sam_37_avg_rms vs Slug, Sign Corrected



Right In: 101.903+/-0.023 χ^2/NDF: 5107539.1/23

Left Out: 75.128+/-0.013 χ^2/NDF:1601462.6/24

Right Out: 105.530+/-0.023 χ^2/NDF: 6742546.6/28

Left In: 75.363+/-0.013 χ^2/NDF:1225319.2/22

Left: 75.242+/-0.009 χ^2/NDF: 2826952.0/47

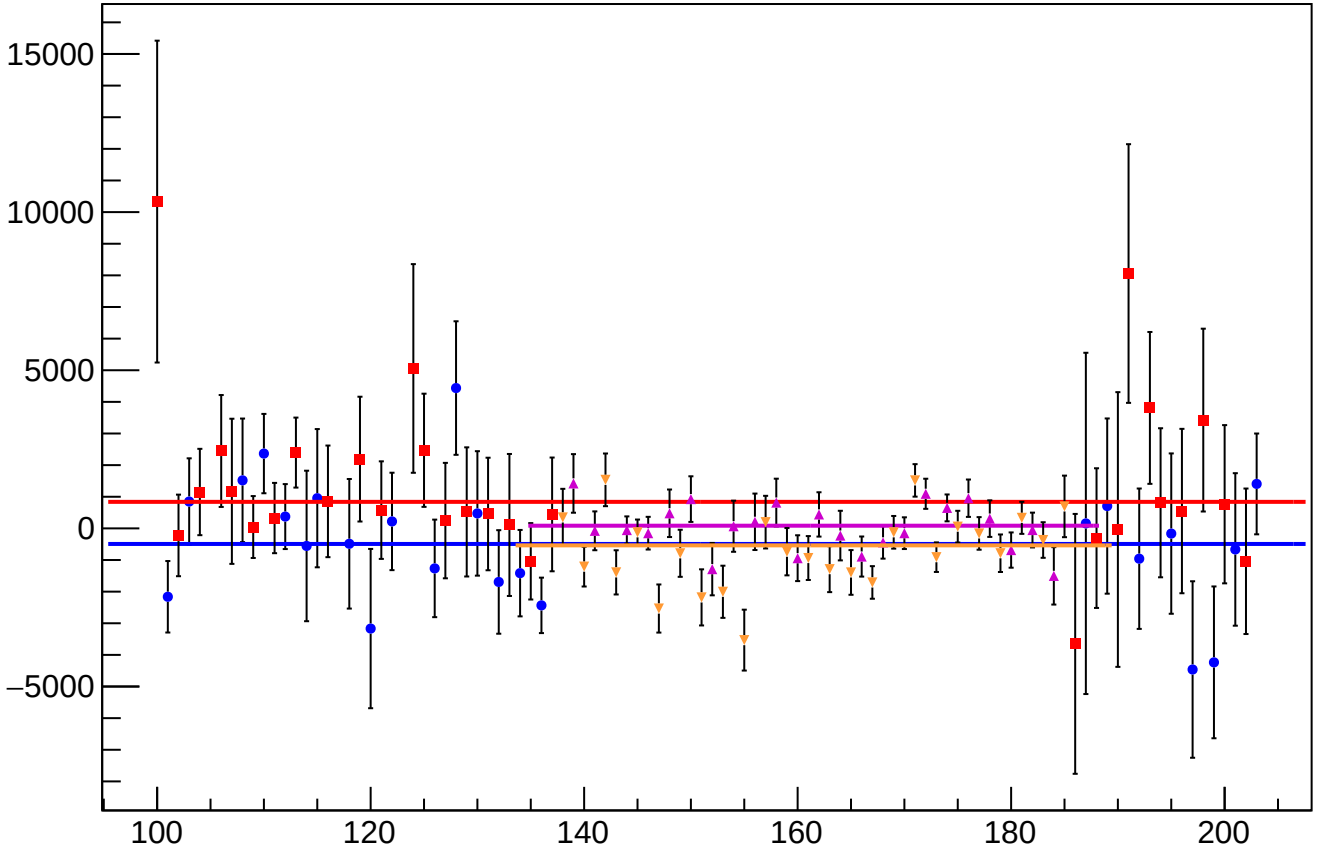
Right: 103.699+/-0.016 χ^2/NDF: 11862888.4/52

In: 81.921+/-0.011 χ^2/NDF:7374955.2/46

Out: 82.204+/-0.011 χ^2/NDF:9710464.1/53

All: 82.065+/-0.008 χ^2/NDF: 17085745.6/100

asym_sam_37_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -492.484+/-335.720 χ^2/NDF: 29.9/23

Left Out: -536.790+/-124.471 χ^2/NDF:67.0/24

Right Out: 838.790+/-330.487 χ^2/NDF: 21.3/28

Left In: 84.668+/-127.039 χ^2/NDF:27.5/22

Left: -232.405+/-88.909 χ^2/NDF: 106.7/47

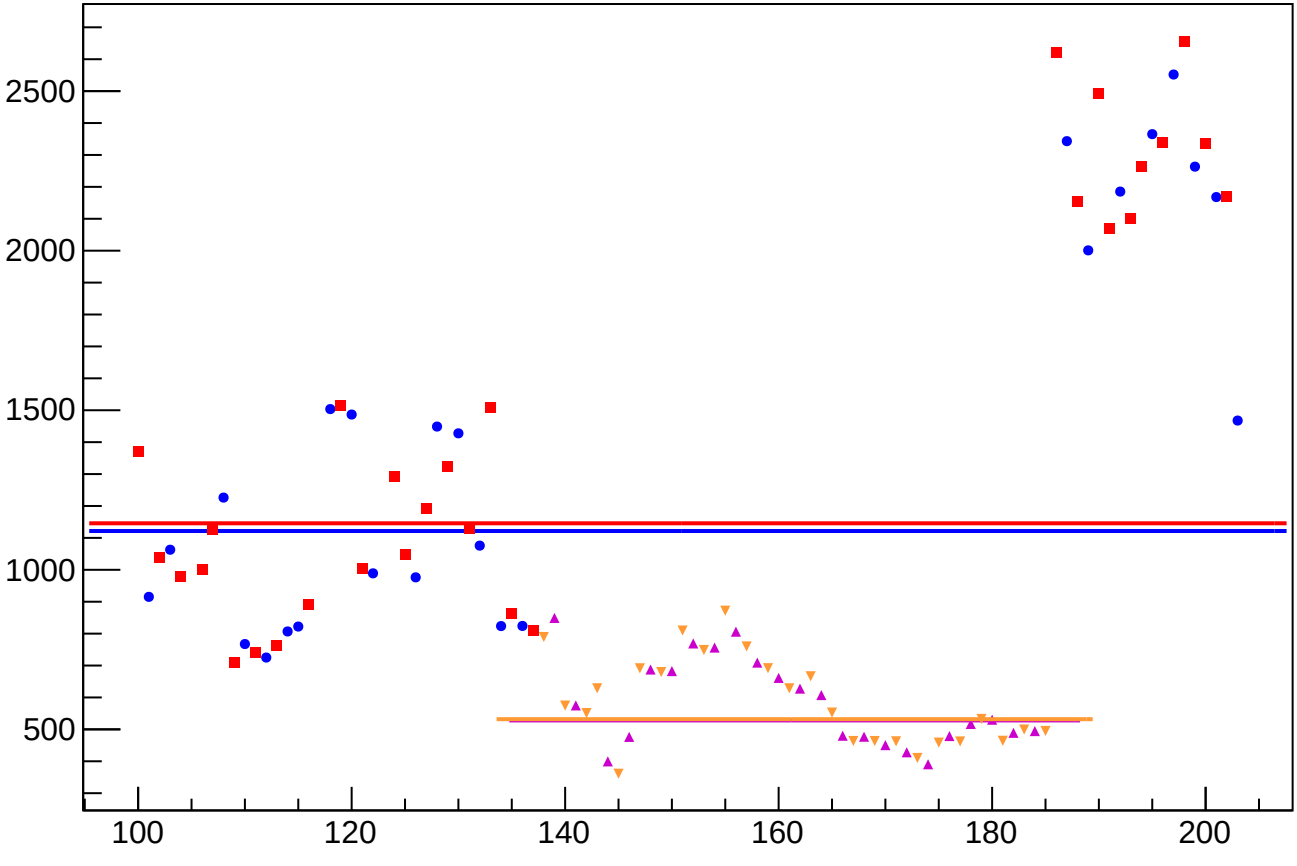
Right: 183.609+/-235.518 χ^2/NDF: 59.1/52

In: 12.376+/-118.817 χ^2/NDF:59.9/46

Out: -365.904+/-116.484 χ^2/NDF:103.5/53

All: -180.515+/-83.179 χ^2/NDF: 168.6/100

asym_sam_37_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 1121.557+/-0.237 χ^2/NDF: 3868223.2/23

Left Out: 531.872+/-0.088 χ^2/NDF:2037744.9/24

Right Out: 1145.764+/-0.234 χ^2/NDF: 4905271.8/28

Left In: 527.986+/-0.090 χ^2/NDF:1800449.7/22

Left: 529.968+/-0.063 χ^2/NDF: 3839149.6/47

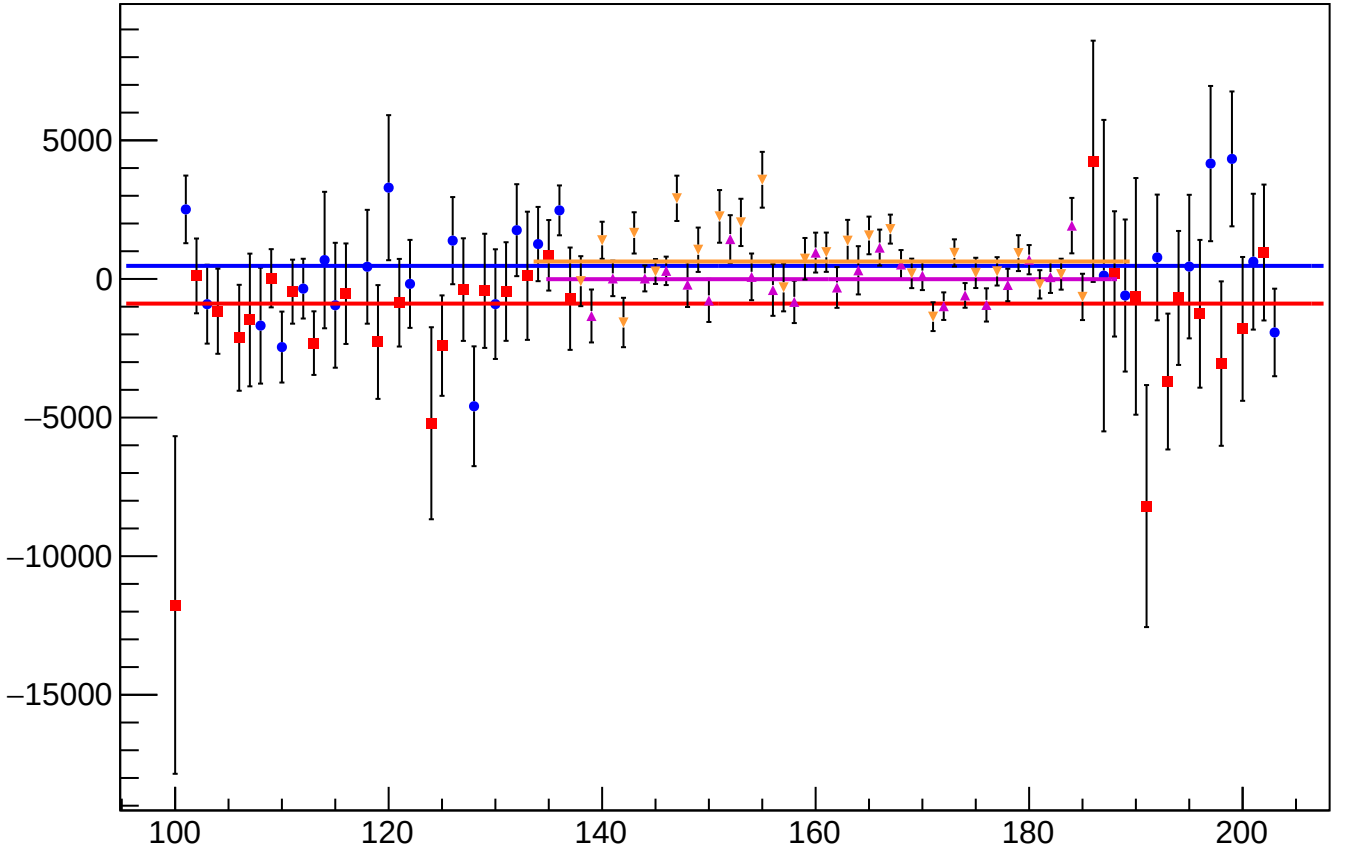
Right: 1133.851+/-0.167 χ^2/NDF: 8778775.7/52

In: 602.335+/-0.084 χ^2/NDF:11137601.9/46

Out: 608.135+/-0.082 χ^2/NDF:12986616.5/53

All: 605.292+/-0.059 χ^2/NDF: 24126648.6/10

asym_sam_37_avg_mean vs Slug, Sign Corrected



Right In: 471.468+/-344.764 χ^2/NDF: 31.3/23

Left Out: 629.379+/-128.853 χ^2/NDF:64.9/24

Right Out: -889.253+/-344.965 χ^2/NDF: 18.7/28

Left In: -8.460+/-131.289 χ^2/NDF:27.3/22

Left: 316.431+/-91.962 χ^2/NDF: 104.2/47

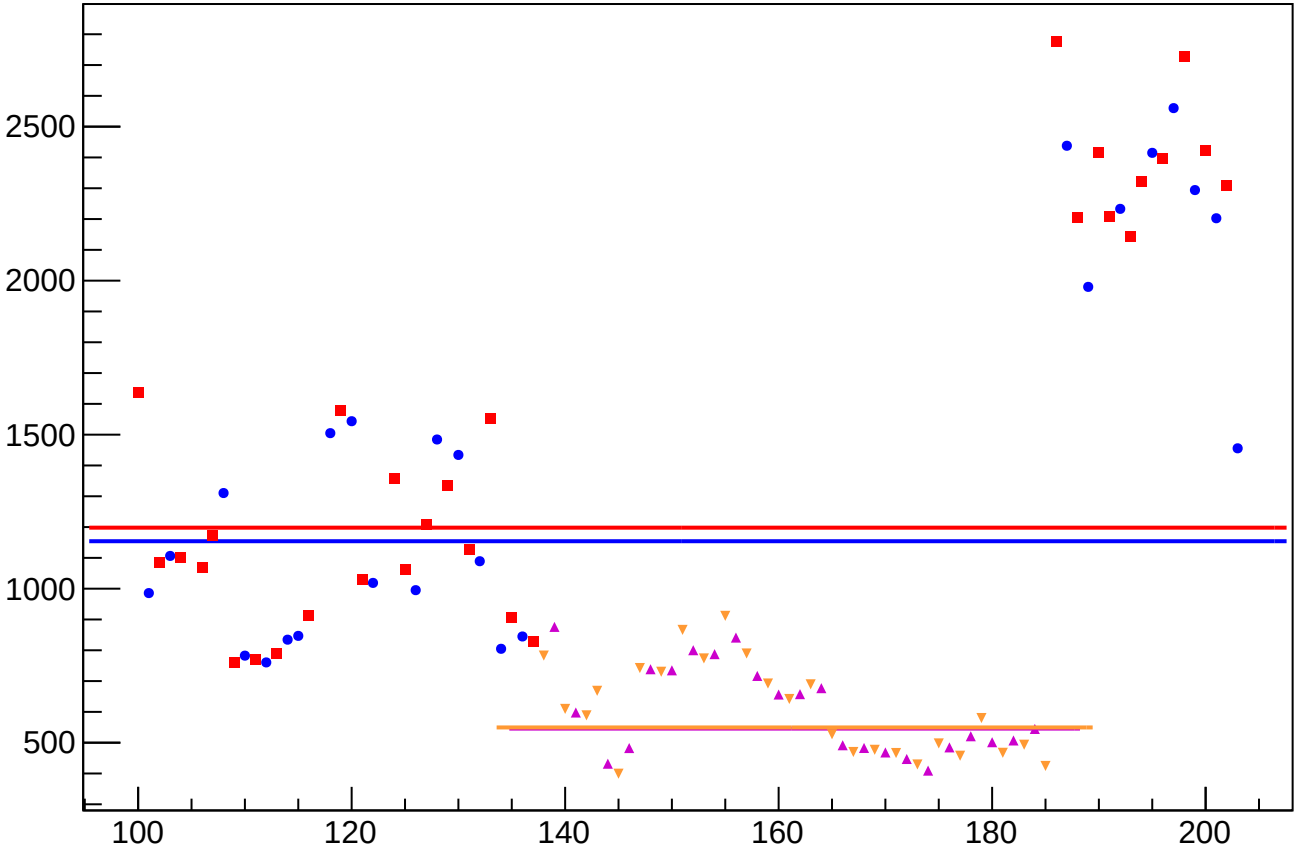
Right: -208.496+/-243.856 χ^2/NDF: 57.8/52

In: 52.322+/-122.694 χ^2/NDF:60.3/46

Out: 443.440+/-120.707 χ^2/NDF:100.6/53

All: 251.073+/-86.047 χ^2/NDF: 166.1/100

asym_sam_37_avg_rms vs Slug, Sign Corrected



Right In: 1154.073+/-0.244 χ^2/NDF: 3753652.5/23

Left Out: 549.475+/-0.091 χ^2/NDF:2053905.8/24

Right Out: 1198.090+/-0.244 χ^2/NDF: 4767649.8/28

Left In: 545.708+/-0.093 χ^2/NDF:1814508.3/22

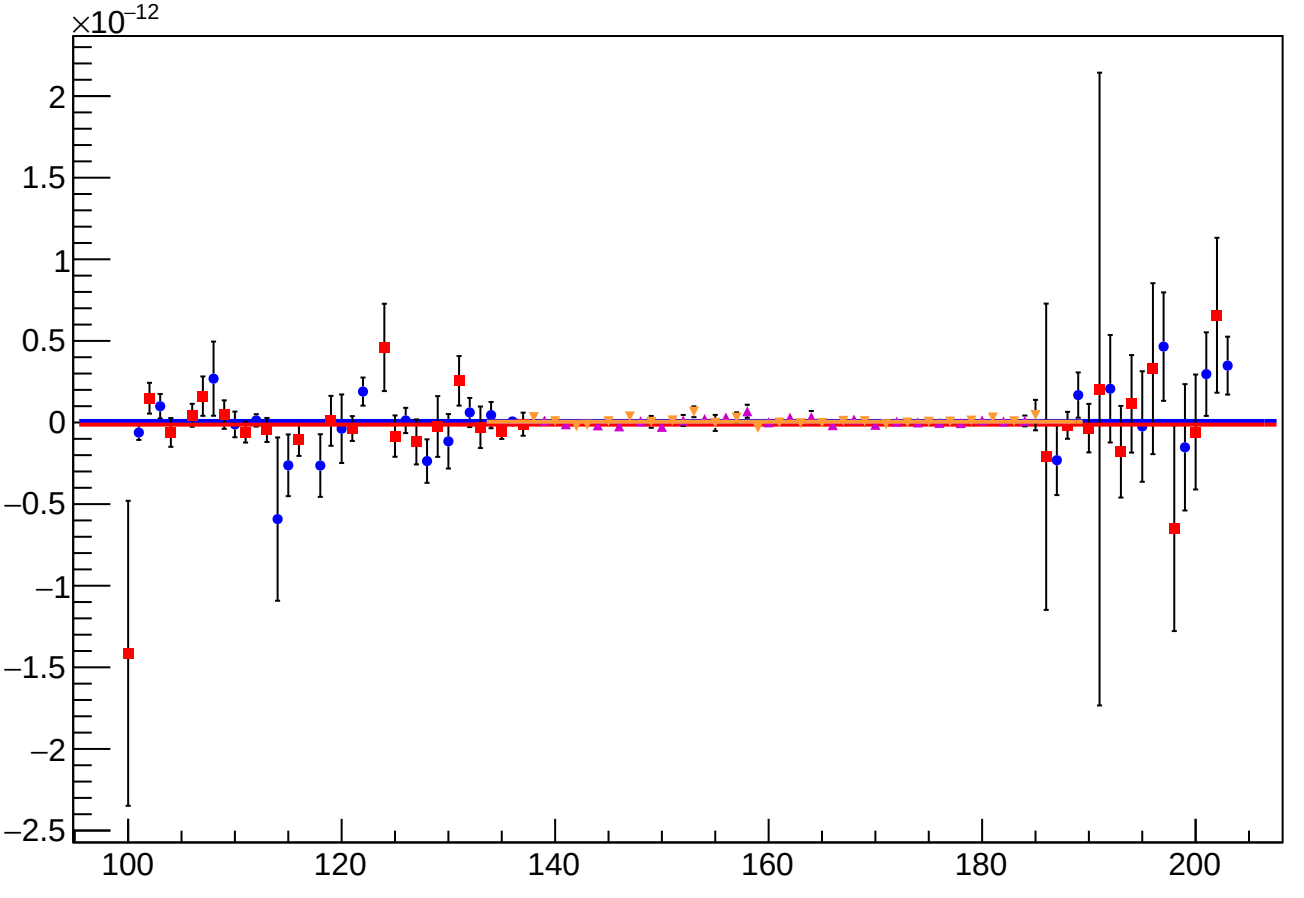
Left: 547.627+/-0.065 χ^2/NDF: 3869252.6/47

Right: 1176.069+/-0.172 χ^2/NDF: 8537593.0/52

In: 622.757+/-0.087 χ^2/NDF:11006963.4/46

Out: 628.890+/-0.085 χ^2/NDF:13026409.3/53

All: 625.874+/-0.061 χ^2/NDF: 24035912.2/10



Right In: 0.000+/-0.000 χ^2/NDF: 29.7/23

Left Out: 0.000+/-0.000 χ^2/NDF:15.6/24

Right Out: -0.000+/-0.000 χ^2/NDF: 22.5/28

Left In: 0.000+/-0.000 χ^2/NDF:20.0/22

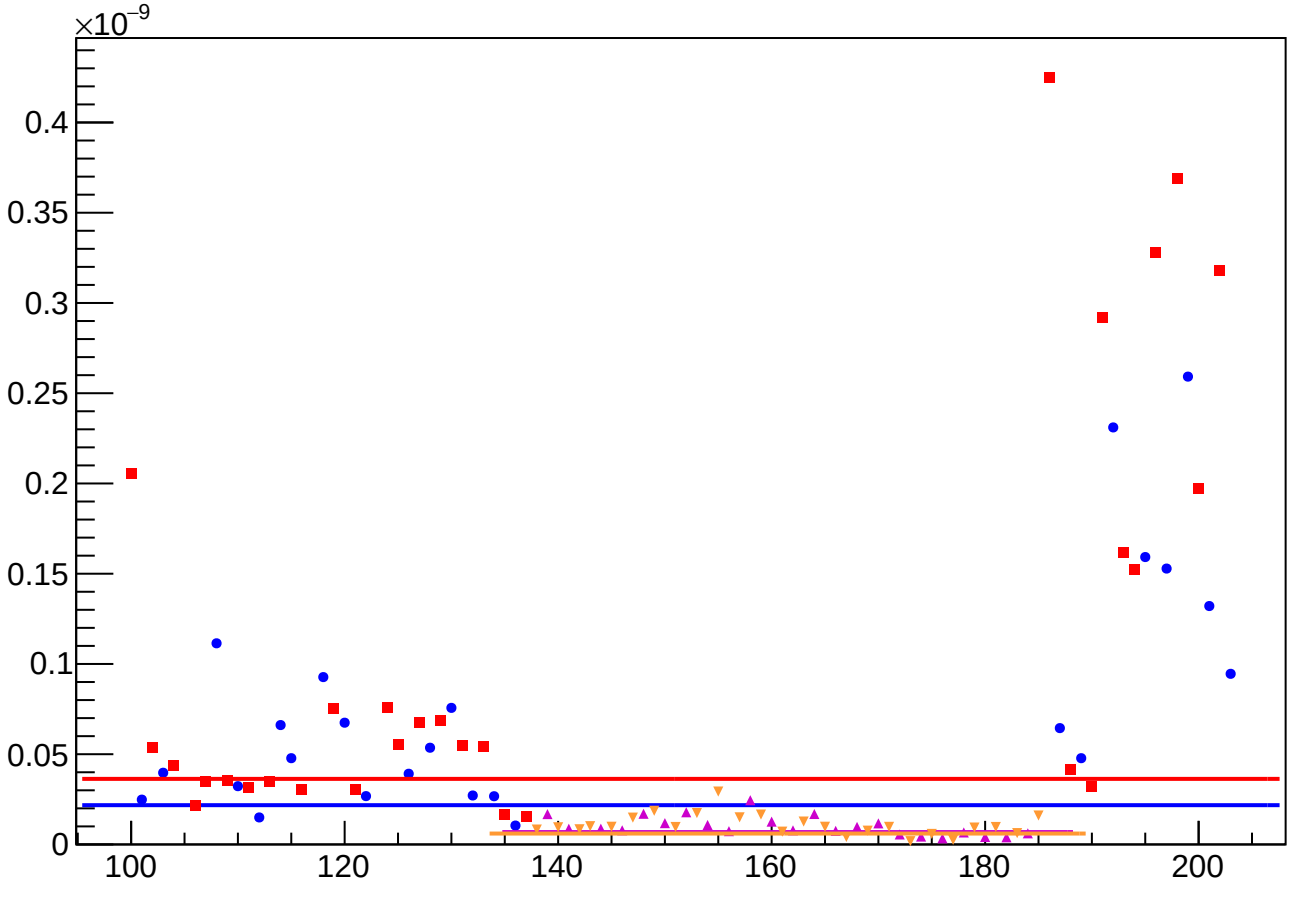
Left: 0.000+/-0.000 χ^2/NDF: 35.9/47

Right: 0.000+/-0.000 χ^2/NDF: 53.0/52

In: 0.000+/-0.000 χ^2/NDF:49.9/46

Out: 0.000+/-0.000 χ^2/NDF:38.9/53

All: 0.000+/-0.000 χ^2/NDF: 88.9/100



Right In: 0.000+/-0.000 χ^2/NDF: 5100140.1/23

Left Out: 0.000+/-0.000 χ^2/NDF:3623754.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 4629298.1/28

Left In: 0.000+/-0.000 χ^2/NDF:2417942.7/22

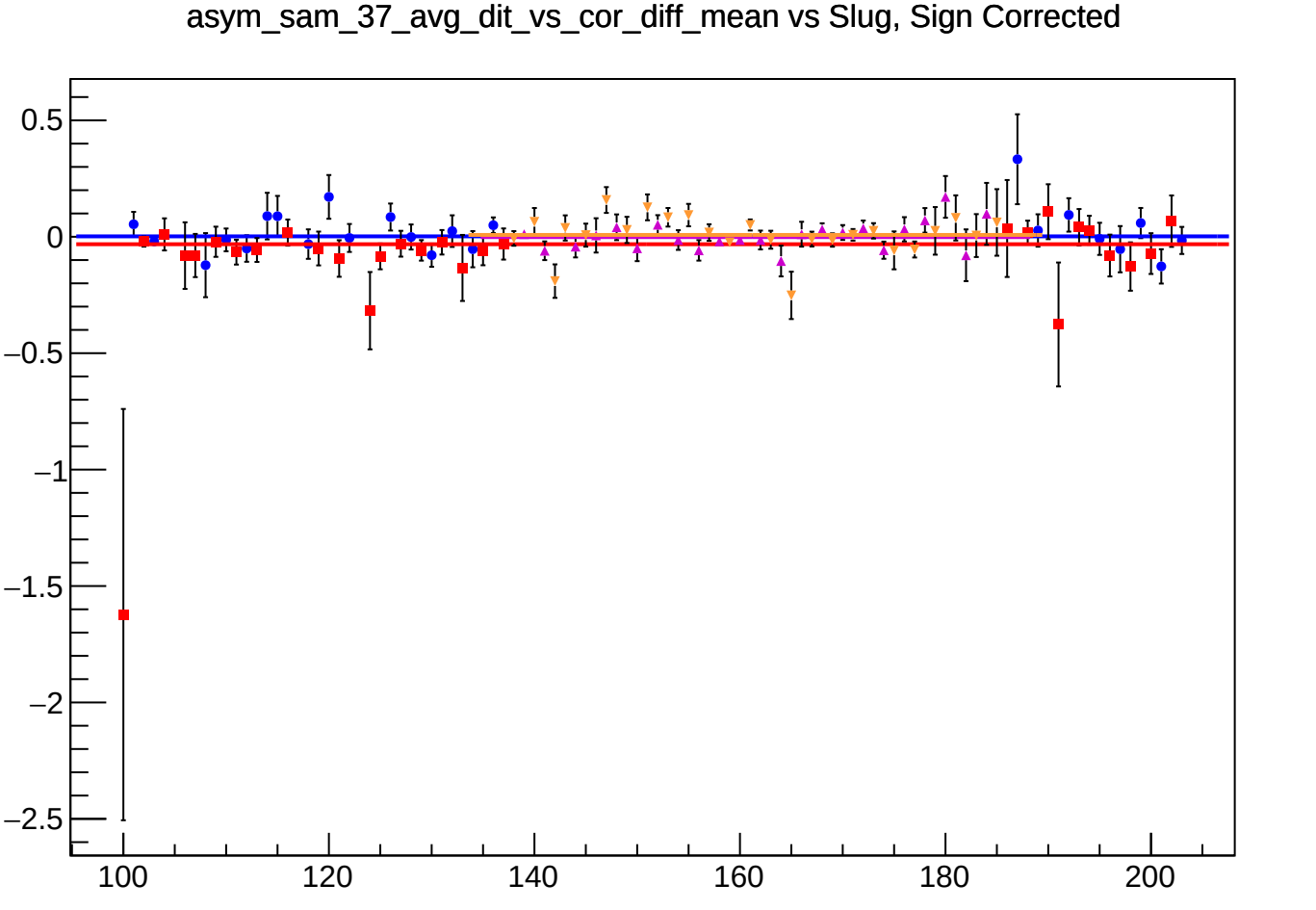
Left: 0.000+/-0.000 χ^2/NDF: 6106655.5/47

Right: 0.000+/-0.000 χ^2/NDF: 10445979.6/52

In: 0.000+/-0.000 χ^2/NDF:9599589.9/46

Out: 0.000+/-0.000 χ^2/NDF:12842921.1/53

All: 0.000+/-0.000 χ^2/NDF: 22524285.4/100



Right In: 0.002+/-0.011 χ^2/NDF: 25.5/23

Left Out: 0.008+/-0.008 χ^2/NDF:47.6/24

Right Out: -0.032+/-0.011 χ^2/NDF: 19.5/28

Left In: -0.001+/-0.007 χ^2/NDF:25.1/22

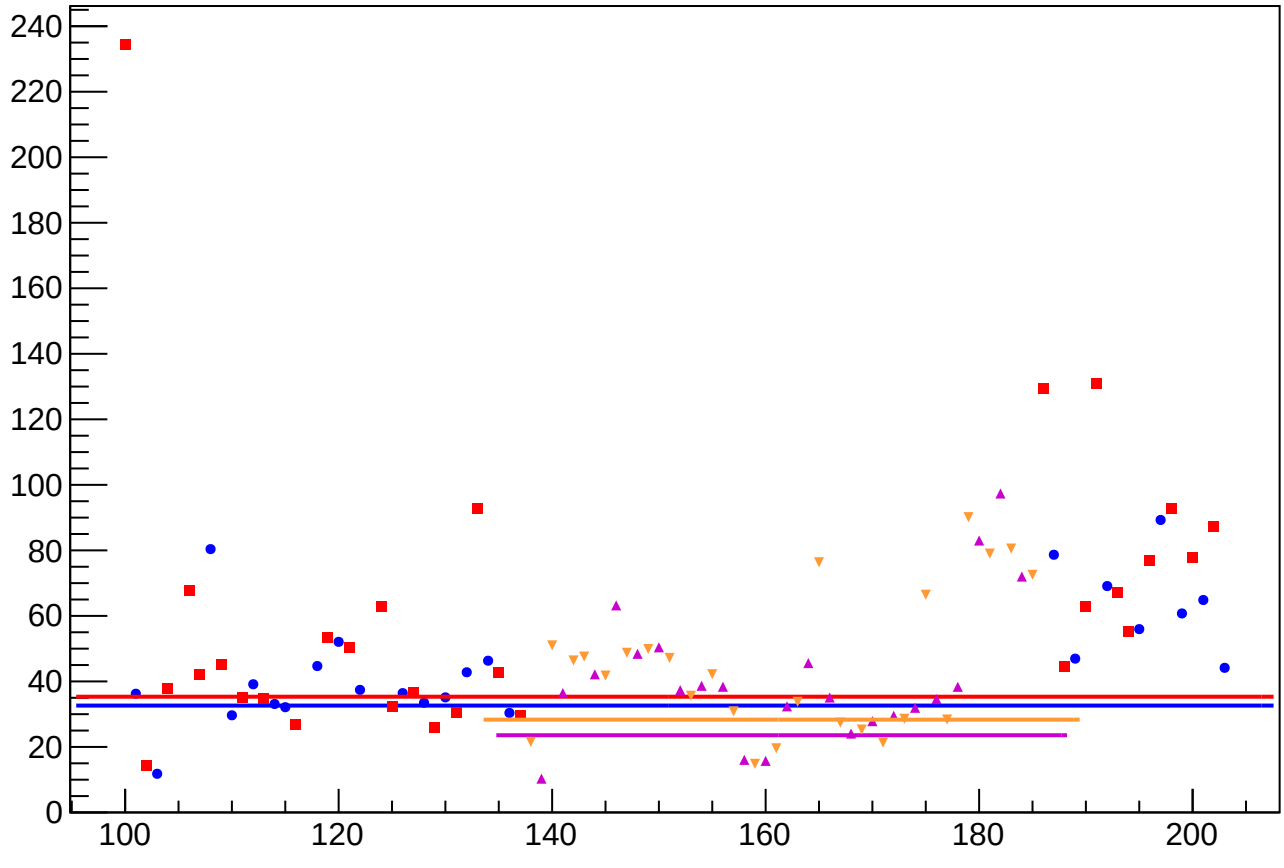
Left: 0.003+/-0.005 χ^2/NDF: 73.6/47

Right: -0.014+/-0.008 χ^2/NDF: 49.6/52

In: -0.001+/-0.006 χ^2/NDF:50.7/46

Out: -0.004+/-0.006 χ^2/NDF:75.6/53

All: -0.002+/-0.004 χ^2/NDF: 126.4/100



Right In: 32.623+/-0.008 χ^2/NDF: 5264459.0/23

Left Out: 28.325+/-0.005 χ^2/NDF:6788307.1/24

Right Out: 35.333+/-0.008 χ^2/NDF: 6290986.3/28

Left In: 23.572+/-0.005 χ^2/NDF:8263833.7/22

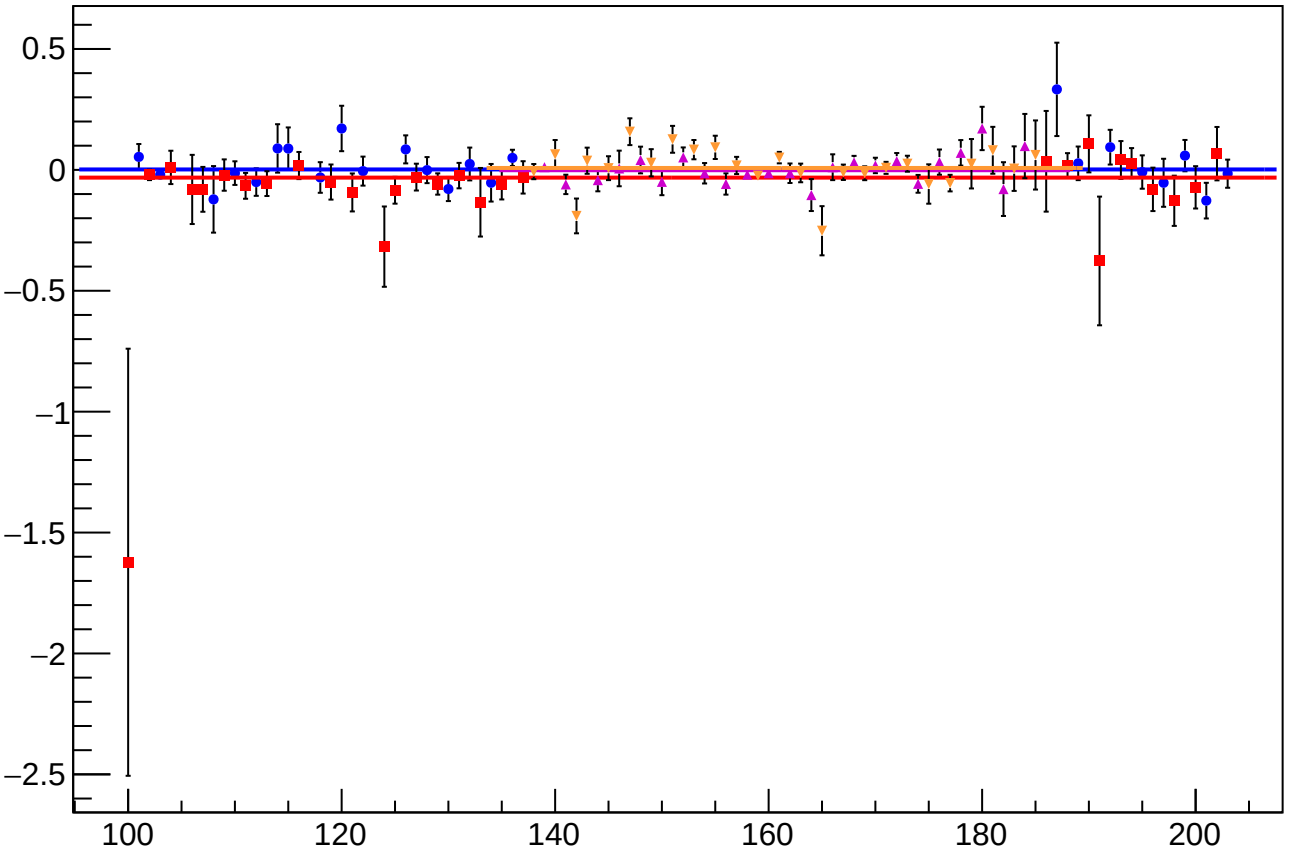
Left: 25.694+/-0.004 χ^2/NDF: 15487591.2/47

Right: 33.915+/-0.006 χ^2/NDF: 11614024.7/52

In: 26.100+/-0.004 χ^2/NDF:14515906.3/46

Out: 30.458+/-0.004 χ^2/NDF:13600146.2/53

All: 28.084+/-0.003 χ^2/NDF: 28634149.9/100



Right In: 0.002+/-0.011 χ^2/NDF: 25.5/23

Left Out: 0.008+/-0.008 χ^2/NDF:47.6/24

Right Out: -0.032+/-0.011 χ^2/NDF: 19.5/28

Left In: -0.001+/-0.007 χ^2/NDF:25.1/22

Left: 0.003+/-0.005 χ^2/NDF: 73.6/47

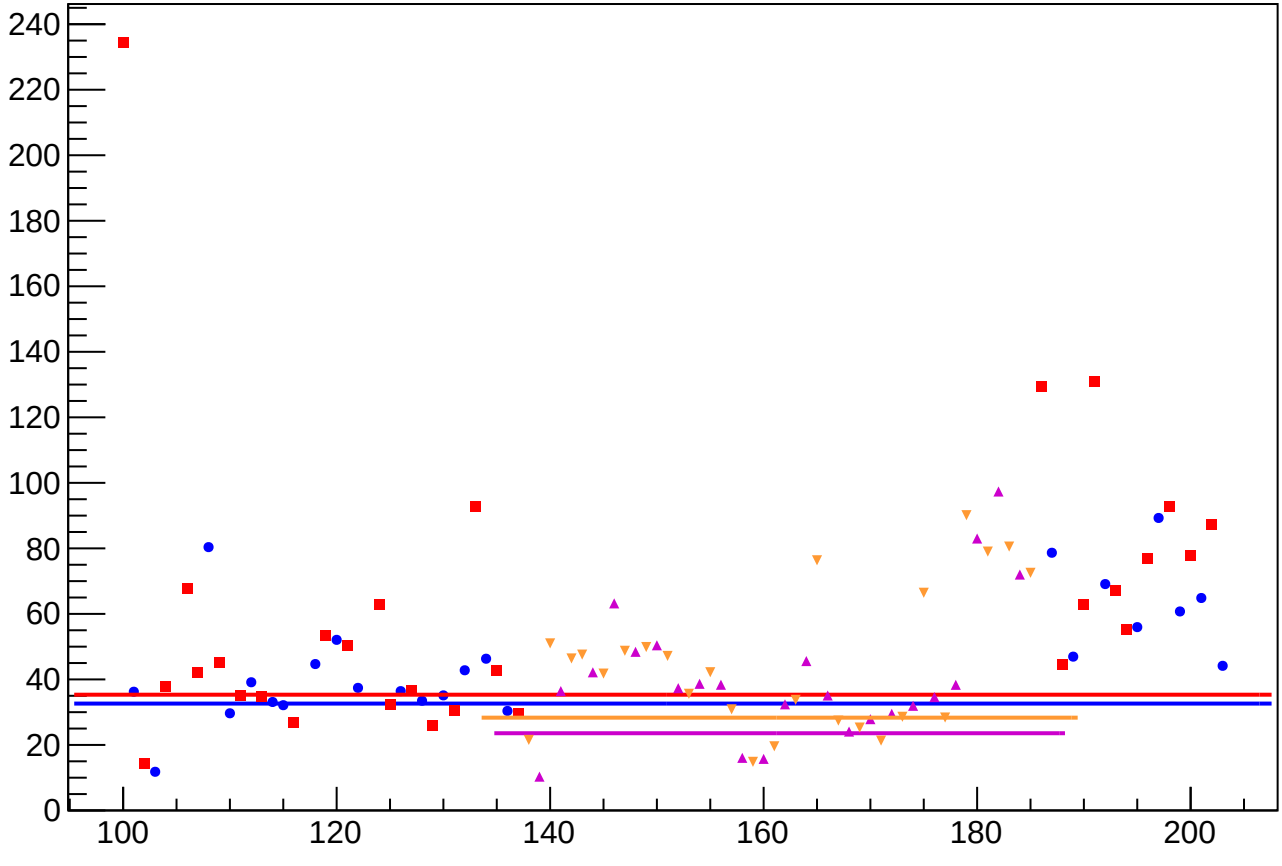
Right: -0.014+/-0.008 χ^2/NDF: 49.6/52

In: -0.001+/-0.006 χ^2/NDF:50.7/46

Out: -0.004+/-0.006 χ^2/NDF:75.6/53

All: -0.002+/-0.004 χ^2/NDF: 126.4/100

asym_sam_37_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 32.623+/-0.008 χ^2/NDF: 5264459.0/23

Left Out: 28.325+/-0.005 χ^2/NDF:6788307.1/24

Right Out: 35.333+/-0.008 χ^2/NDF: 6290986.3/28

Left In: 23.572+/-0.005 χ^2/NDF:8263833.7/22

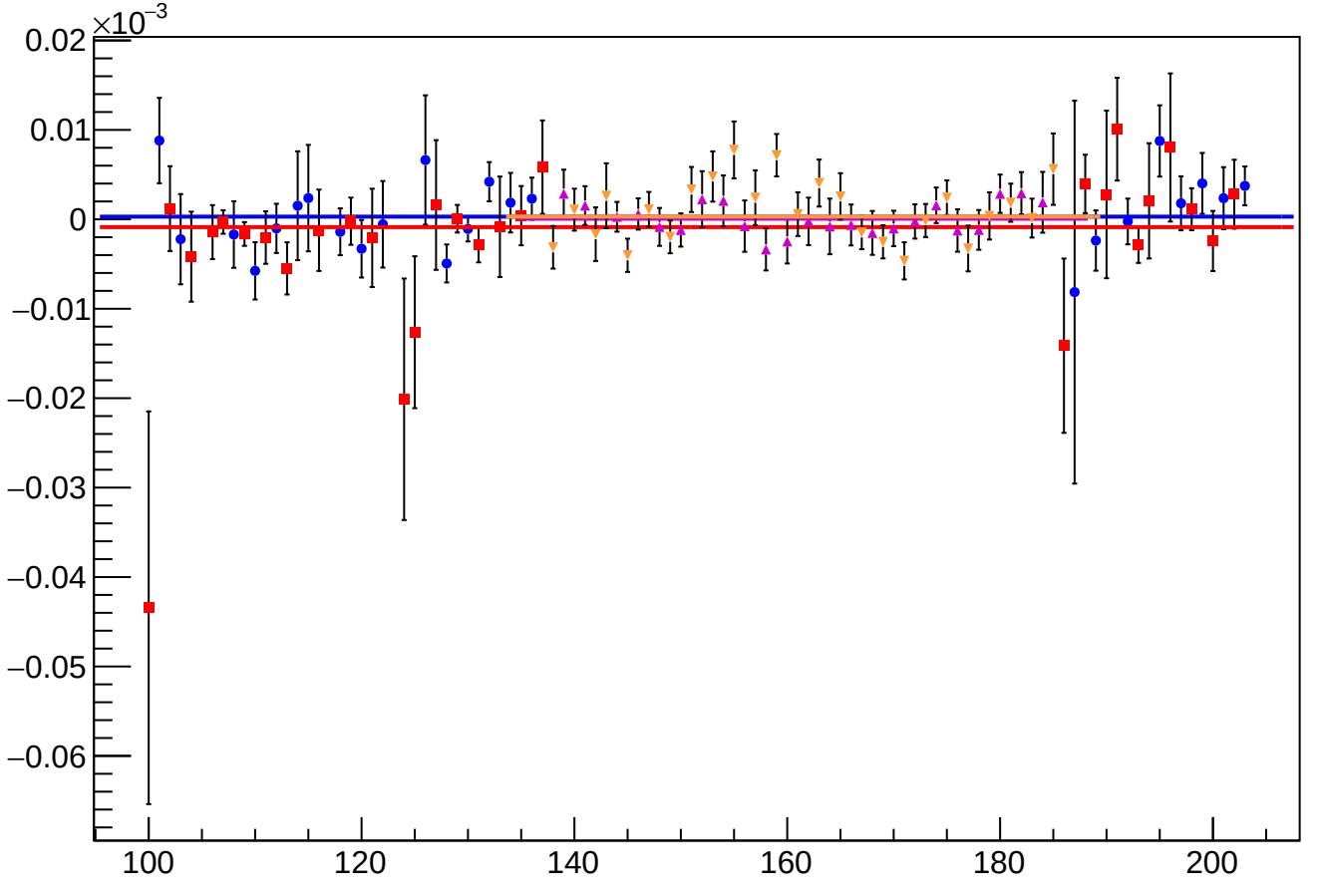
Left: 25.694+/-0.004 χ^2/NDF: 15487591.2/47

Right: 33.915+/-0.006 χ^2/NDF: 11614024.7/52

In: 26.100+/-0.004 χ^2/NDF:14515906.3/46

Out: 30.458+/-0.004 χ^2/NDF:13600146.2/53

All: 28.084+/-0.003 χ^2/NDF: 28634149.9/100



Right In: 0.000+/-0.000 χ^2/NDF: 30.9/23

Left Out: 0.000+/-0.000 χ^2/NDF:45.7/24

Right Out: -0.000+/-0.000 χ^2/NDF: 26.9/28

Left In: 0.000+/-0.000 χ^2/NDF:12.1/22

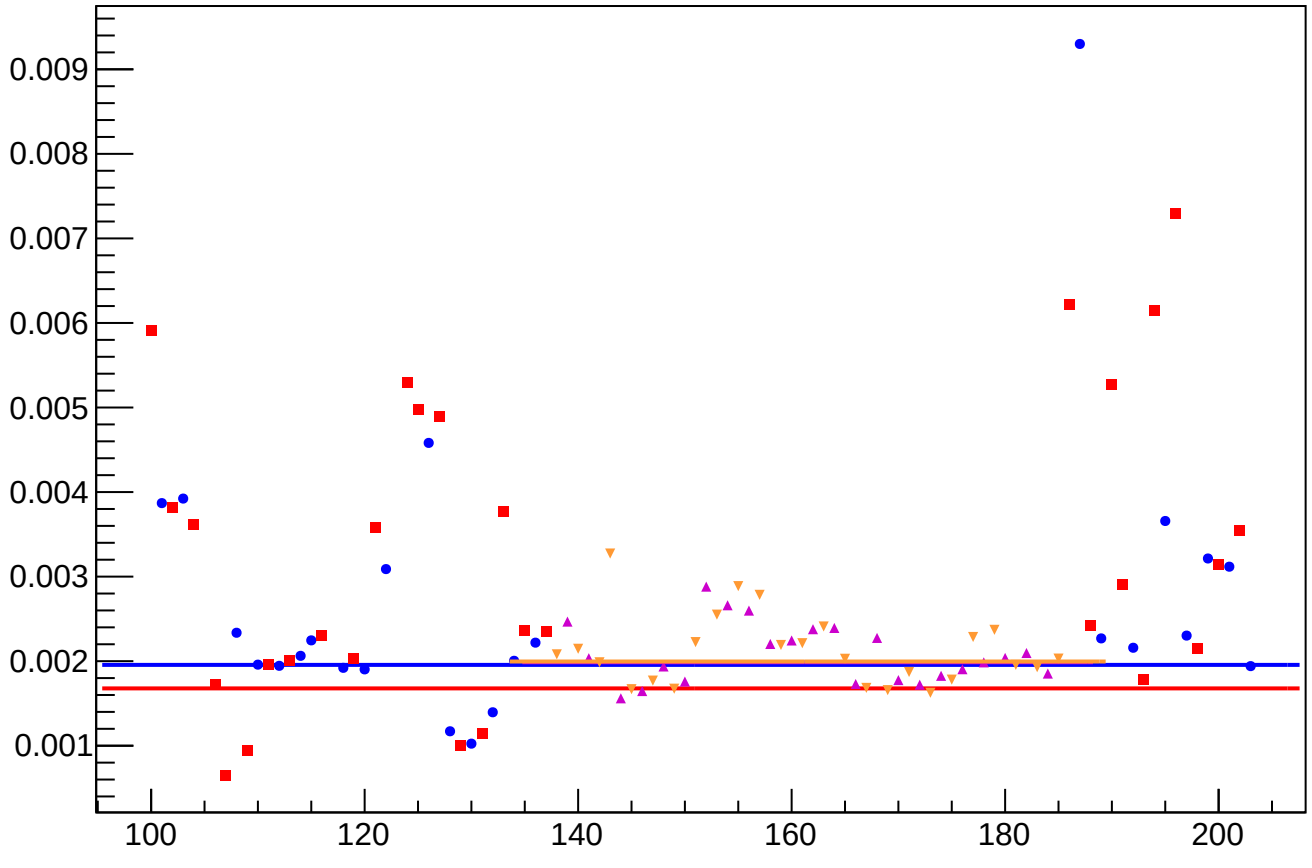
Left: 0.000+/-0.000 χ^2/NDF: 57.9/47

Right: -0.000+/-0.000 χ^2/NDF: 59.8/52

In: 0.000+/-0.000 χ^2/NDF:43.1/46

Out: -0.000+/-0.000 χ^2/NDF:75.3/53

All: -0.000+/-0.000 χ^2/NDF: 118.8/100



Right In: 0.002+/-0.000 χ^2/NDF: 3481502.5/23

Left Out: 0.002+/-0.000 χ^2/NDF:1173308.8/24

Right Out: 0.002+/-0.000 χ^2/NDF: 8488656.0/28

Left In: 0.002+/-0.000 χ^2/NDF:924009.7/22

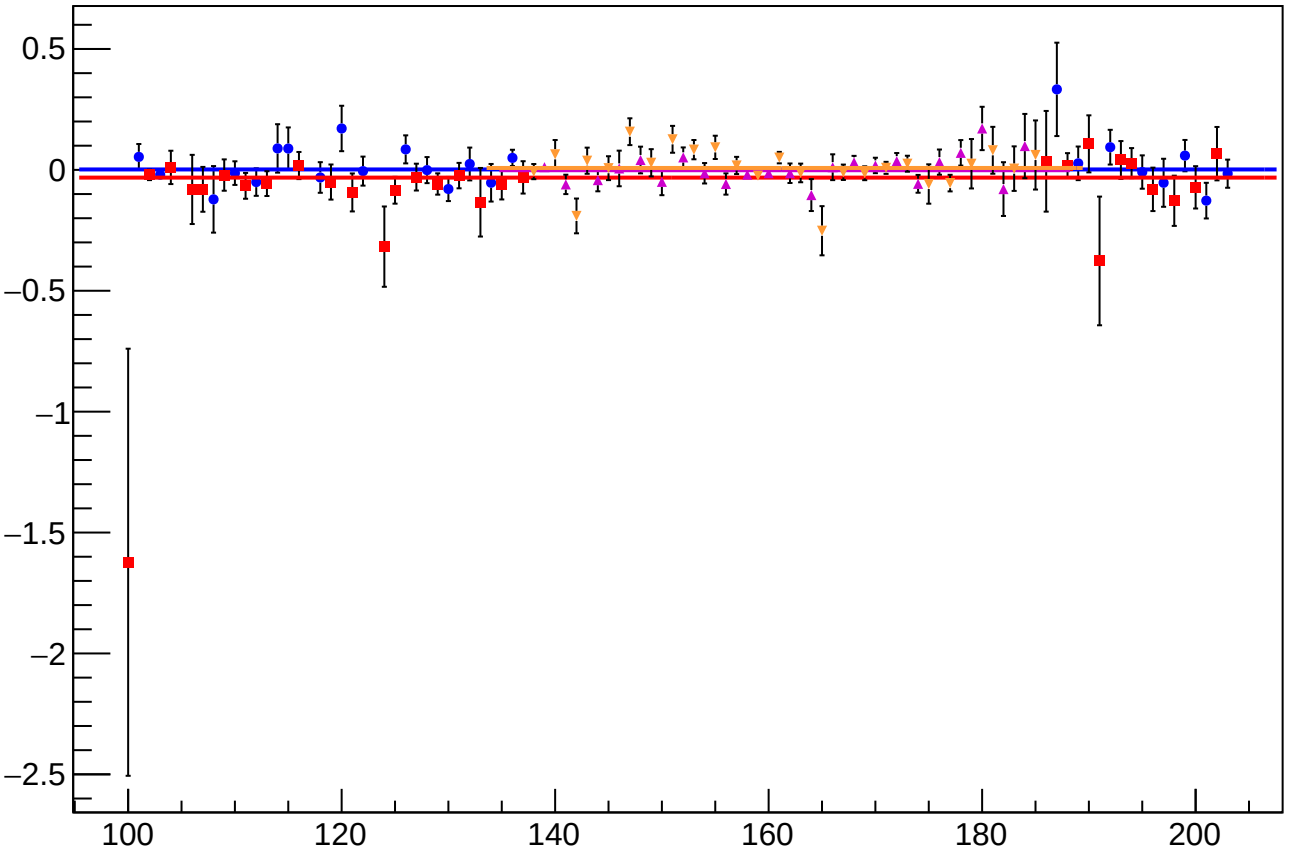
Left: 0.002+/-0.000 χ^2/NDF: 2097693.3/47

Right: 0.002+/-0.000 χ^2/NDF: 12206094.2/52

In: 0.002+/-0.000 χ^2/NDF:4408773.0/46

Out: 0.002+/-0.000 χ^2/NDF:10062482.2/53

All: 0.002+/-0.000 χ^2/NDF: 14570570.2/100



Right In: 0.002+/-0.011 χ^2/NDF: 25.5/23

Left Out: 0.008+/-0.008 χ^2/NDF:47.6/24

Right Out: -0.032+/-0.011 χ^2/NDF: 19.5/28

Left In: -0.001+/-0.007 χ^2/NDF:25.1/22

Left: 0.003+/-0.005 χ^2/NDF: 73.6/47

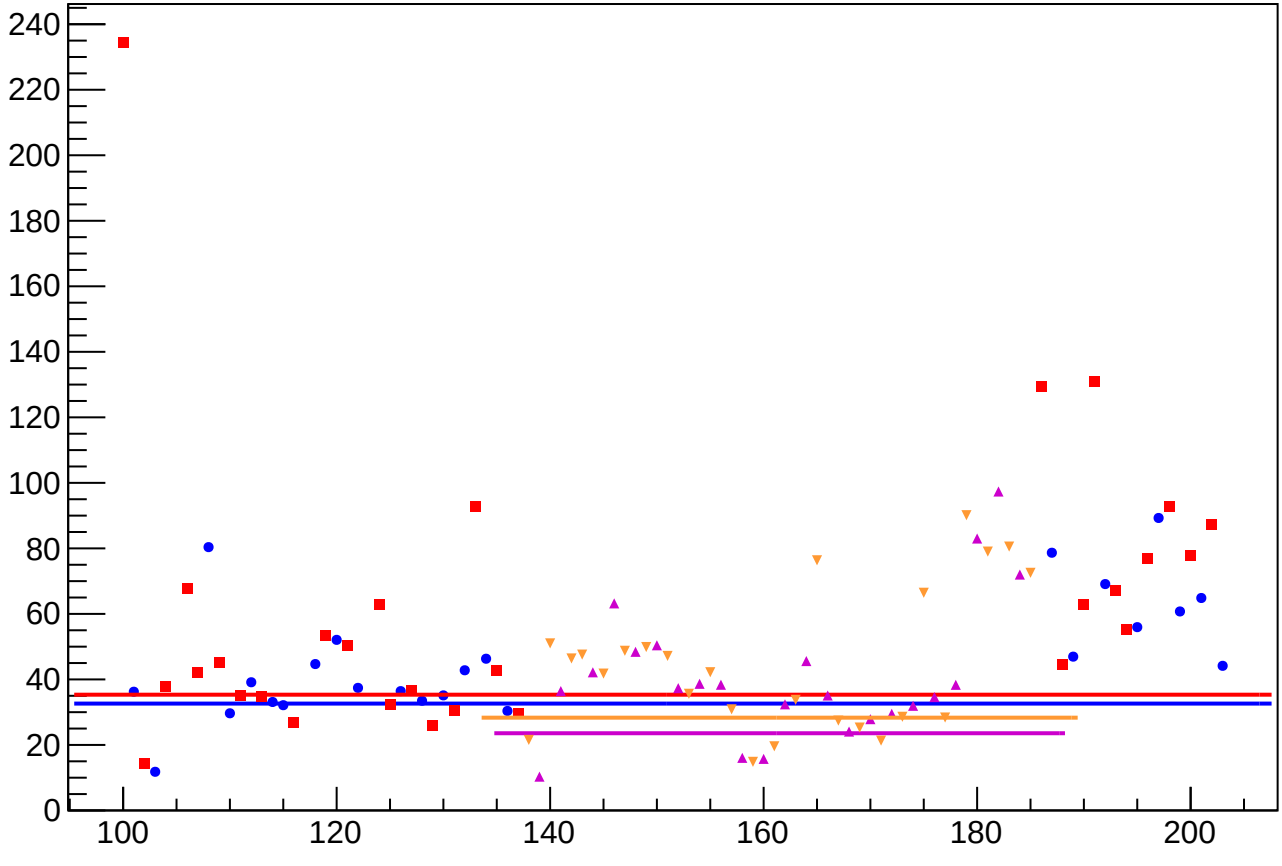
Right: -0.014+/-0.008 χ^2/NDF: 49.6/52

In: -0.001+/-0.006 χ^2/NDF:50.7/46

Out: -0.004+/-0.006 χ^2/NDF:75.6/53

All: -0.002+/-0.004 χ^2/NDF: 126.4/100

asym_sam_37_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 32.622+/-0.008 χ^2/NDF: 5264818.2/23

Left Out: 28.324+/-0.005 χ^2/NDF:6788766.1/24

Right Out: 35.336+/-0.008 χ^2/NDF: 6289905.2/28

Left In: 23.571+/-0.005 χ^2/NDF:8264891.4/22

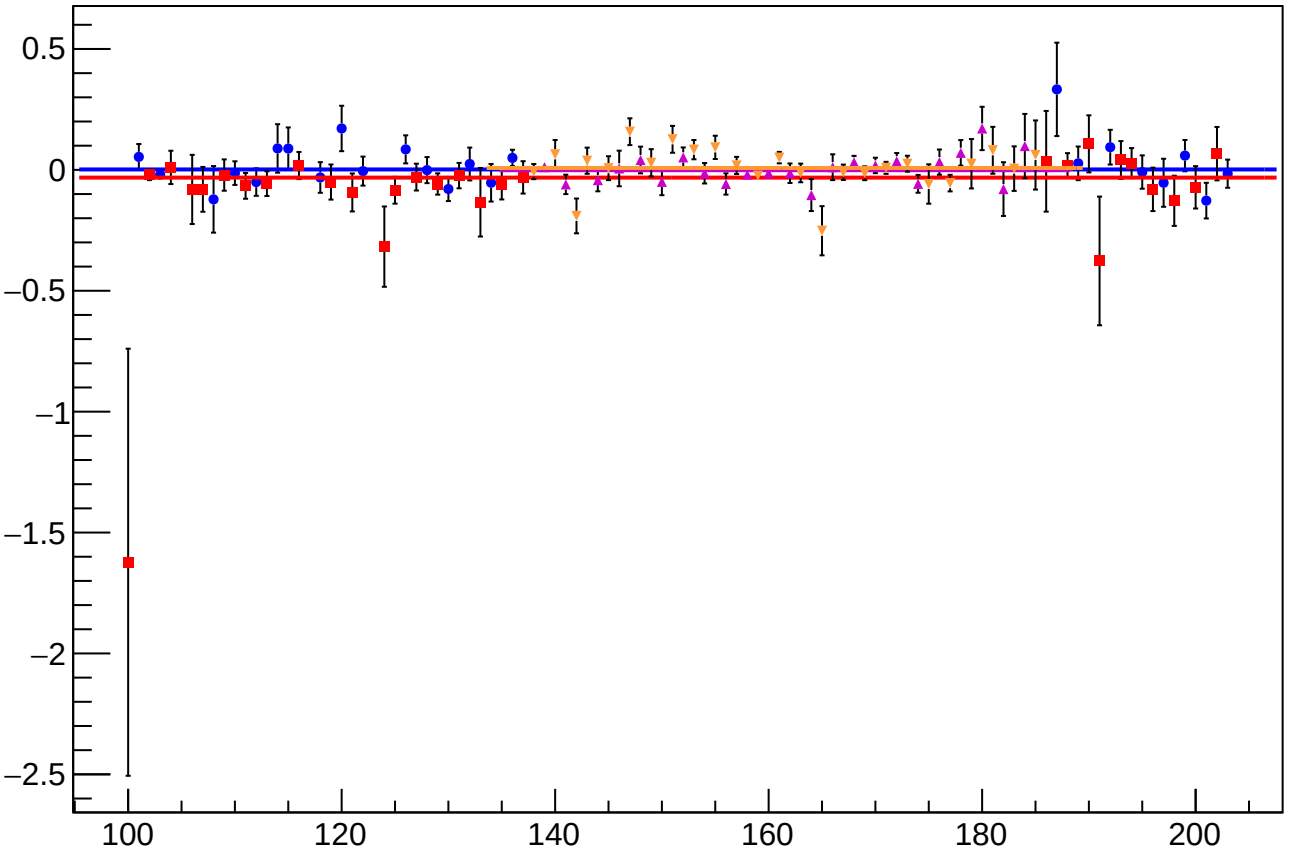
Left: 25.694+/-0.004 χ^2/NDF: 15489262.5/47

Right: 33.916+/-0.006 χ^2/NDF: 11613456.9/52

In: 26.099+/-0.004 χ^2/NDF:14517429.7/46

Out: 30.459+/-0.004 χ^2/NDF:13599969.9/53

All: 28.084+/-0.003 χ^2/NDF: 28635872.0/100



Right In: 0.002+/-0.011 χ^2/NDF: 25.5/23

Left Out: 0.008+/-0.008 χ^2/NDF:47.6/24

Right Out: -0.032+/-0.011 χ^2/NDF: 19.5/28

Left In: -0.001+/-0.007 χ^2/NDF:25.1/22

Left: 0.003+/-0.005 χ^2/NDF: 73.6/47

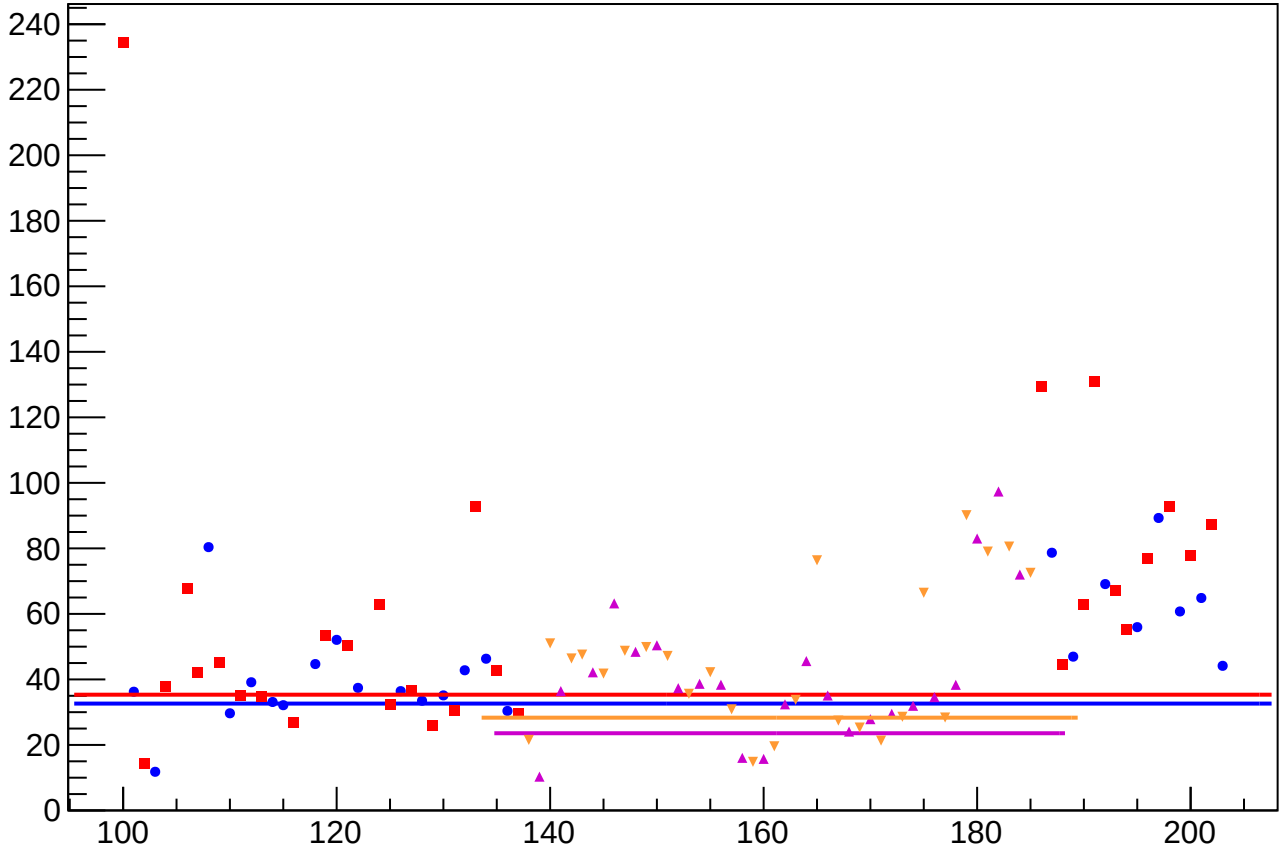
Right: -0.014+/-0.008 χ^2/NDF: 49.6/52

In: -0.001+/-0.006 χ^2/NDF:50.7/46

Out: -0.004+/-0.006 χ^2/NDF:75.6/53

All: -0.002+/-0.004 χ^2/NDF: 126.4/100

asym_sam_37_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 32.622+/-0.008 χ^2/NDF: 5264818.2/23

Left Out: 28.324+/-0.005 χ^2/NDF:6788766.1/24

Right Out: 35.336+/-0.008 χ^2/NDF: 6289905.2/28

Left In: 23.571+/-0.005 χ^2/NDF:8264891.4/22

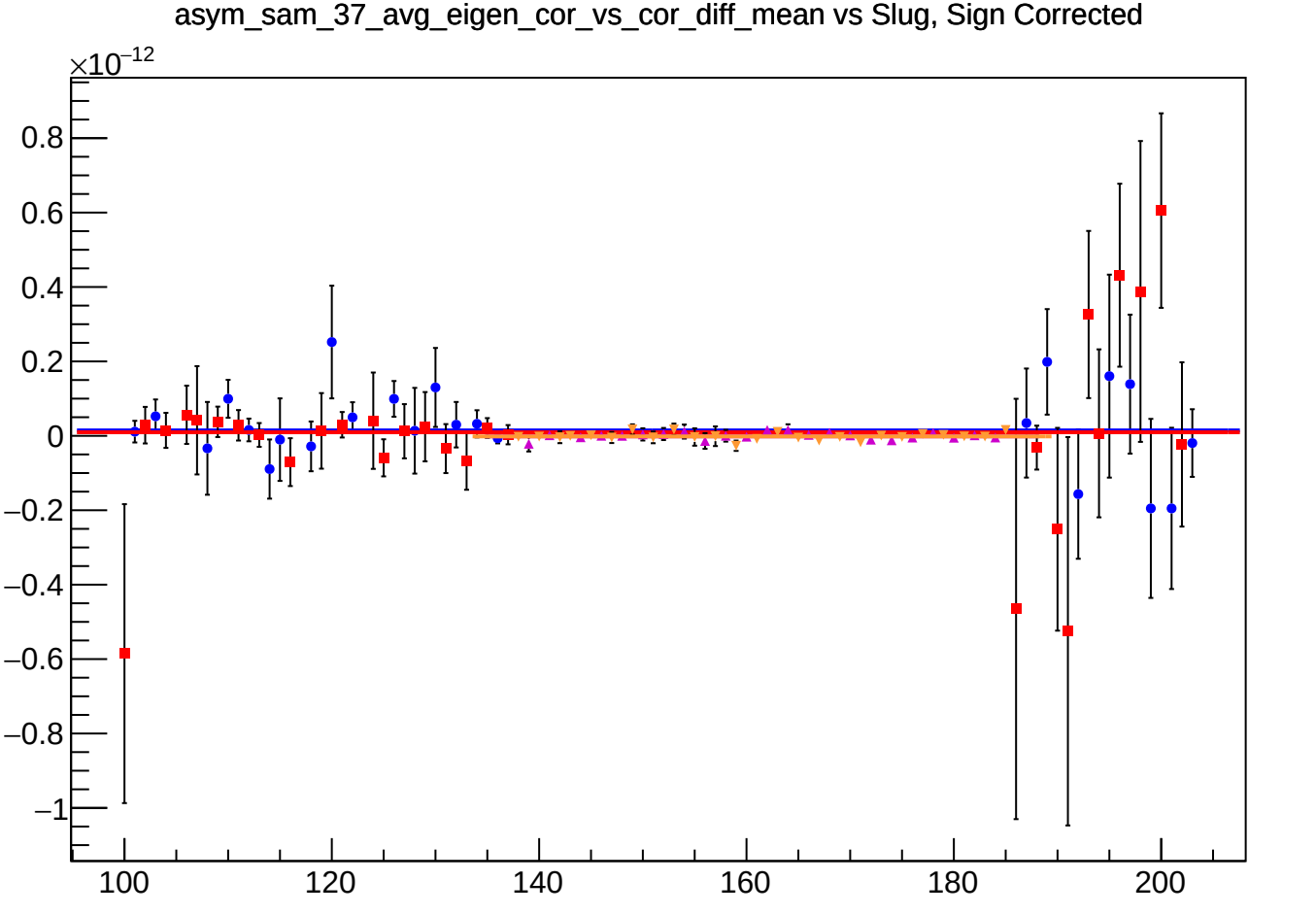
Left: 25.694+/-0.004 χ^2/NDF: 15489262.5/47

Right: 33.916+/-0.006 χ^2/NDF: 11613456.9/52

In: 26.099+/-0.004 χ^2/NDF:14517429.7/46

Out: 30.459+/-0.004 χ^2/NDF:13599969.9/53

All: 28.084+/-0.003 χ^2/NDF: 28635872.0/100



Right In: 0.000+/-0.000 χ^2/NDF: 21.2/23

Left Out: -0.000+/-0.000 χ^2/NDF:17.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 23.2/28

Left In: -0.000+/-0.000 χ^2/NDF:15.9/22

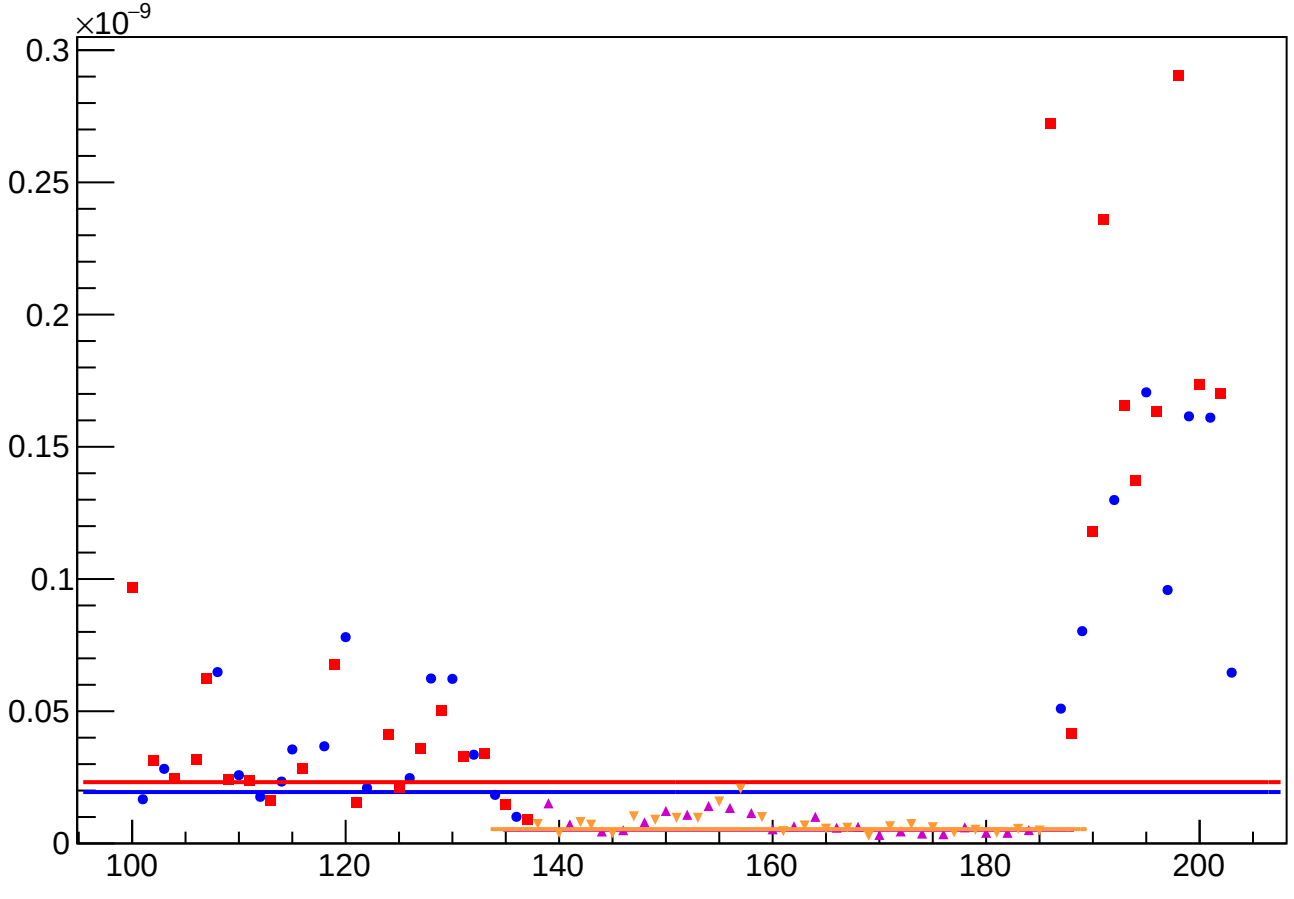
Left: -0.000+/-0.000 χ^2/NDF: 33.5/47

Right: 0.000+/-0.000 χ^2/NDF: 44.5/52

In: -0.000+/-0.000 χ^2/NDF:39.9/46

Out: -0.000+/-0.000 χ^2/NDF:41.8/53

All: -0.000+/-0.000 χ^2/NDF: 81.8/100



Right In: 0.000+/-0.000 χ^2/NDF: 6802577.5/23

Left Out: 0.000+/-0.000 χ^2/NDF:3068356.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 7593260.9/28

Left In: 0.000+/-0.000 χ^2/NDF:3390855.0/22

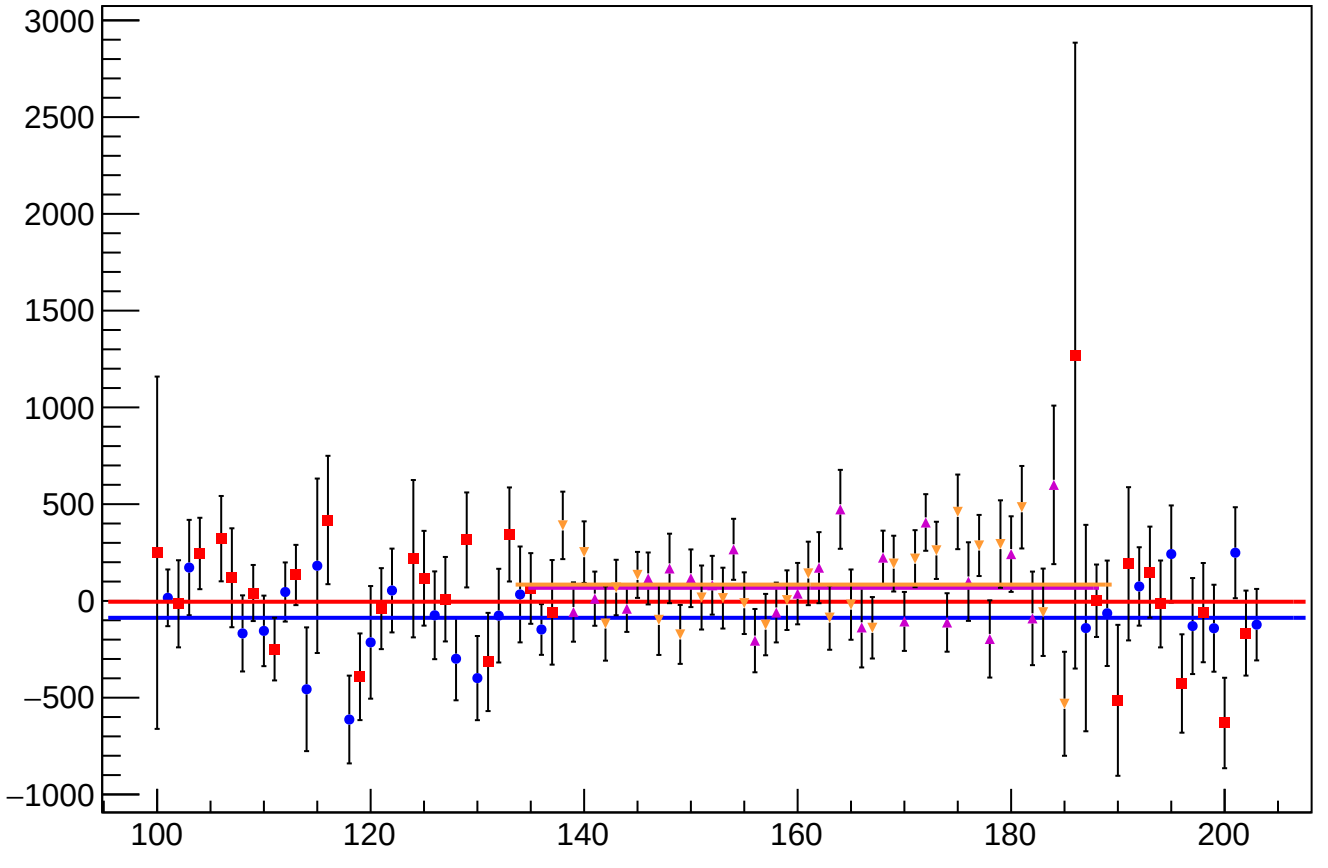
Left: 0.000+/-0.000 χ^2/NDF: 6479218.4/47

Right: 0.000+/-0.000 χ^2/NDF: 14537208.9/52

In: 0.000+/-0.000 χ^2/NDF:14732457.2/46

Out: 0.000+/-0.000 χ^2/NDF:16153697.9/53

All: 0.000+/-0.000 χ^2/NDF: 30906364.4/100



Right In: -87.286+/-43.702 χ^2/NDF: 18.4/23

Left Out: 84.324+/-33.036 χ^2/NDF:33.8/24

Right Out: -4.229+/-42.602 χ^2/NDF: 31.7/28

Left In: 67.646+/-34.137 χ^2/NDF:26.5/22

Left: 76.258+/-23.739 χ^2/NDF: 60.5/47

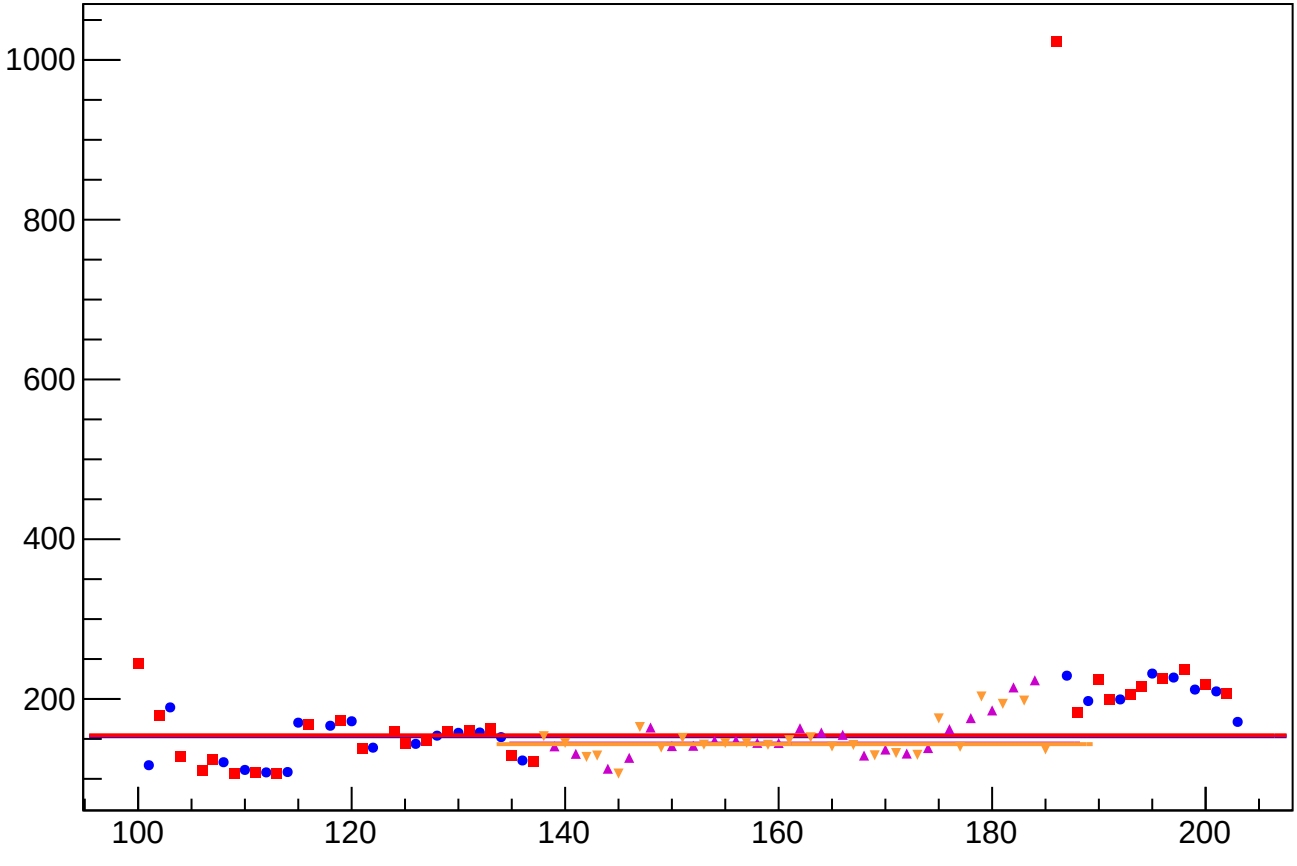
Right: -44.699+/-30.506 χ^2/NDF: 51.9/52

In: 8.936+/-26.902 χ^2/NDF:52.7/46

Out: 51.071+/-26.106 χ^2/NDF:68.2/53

All: 30.636+/-18.735 χ^2/NDF: 122.1/100

reg_asym_sam_48_avg_rms vs Slug, Sign Corrected



Right In: 153.359+/-0.031 χ^2/NDF: 1515813.2/23

Left Out: 143.444+/-0.023 χ^2/NDF:747040.9/24

Right Out: 154.477+/-0.030 χ^2/NDF: 2441947.6/28

Left In: 144.170+/-0.024 χ^2/NDF:702713.8/22

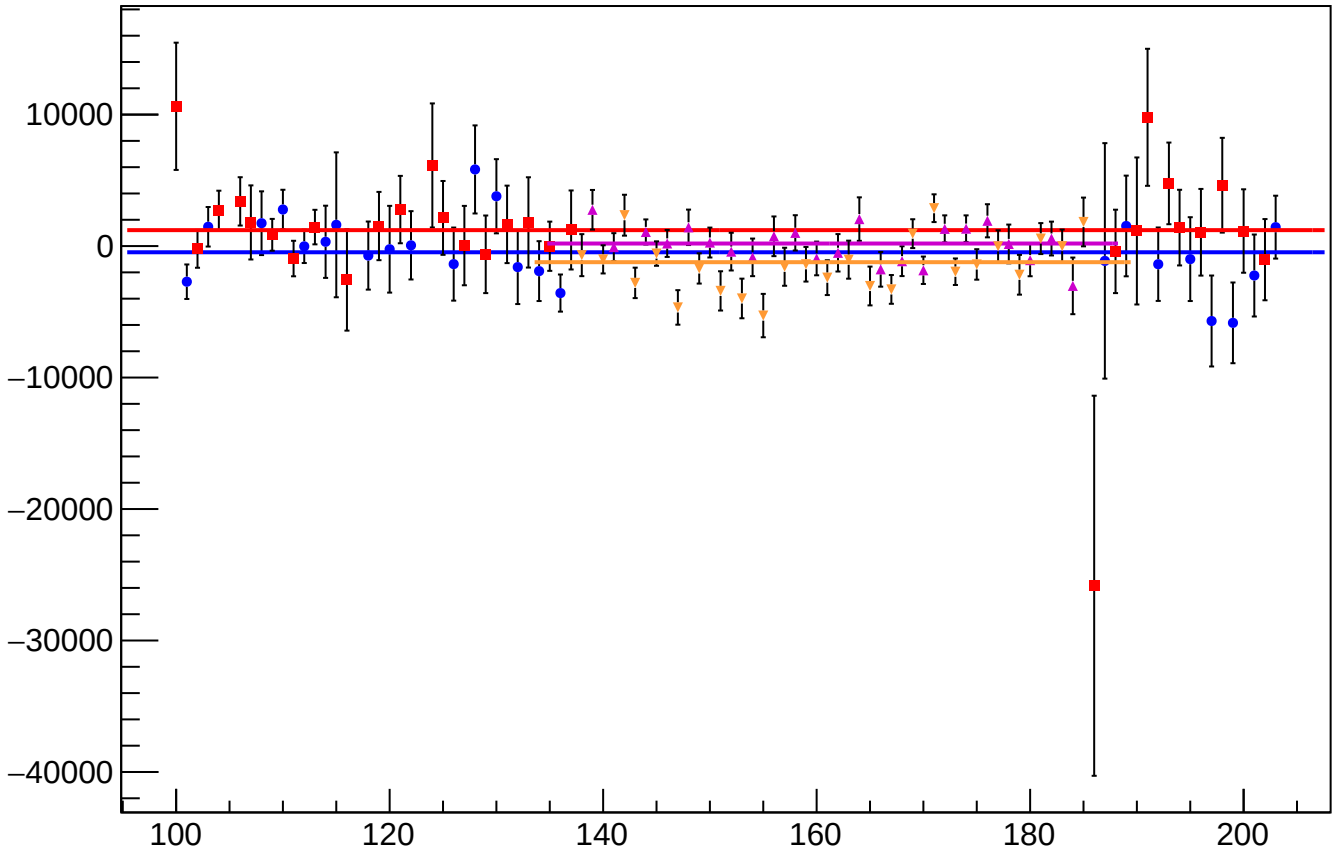
Left: 143.795+/-0.017 χ^2/NDF: 1450223.0/47

Right: 153.932+/-0.022 χ^2/NDF: 3958432.4/52

In: 147.652+/-0.019 χ^2/NDF:2273433.3/46

Out: 147.587+/-0.018 χ^2/NDF:3272766.4/53

All: 147.619+/-0.013 χ^2/NDF: 5546205.7/100



Right In: -471.179+/-458.724 χ^2/NDF: 28.5/23

Left Out: -1225.049+/-251.767 χ^2/NDF:59.3/24

Right Out: 1211.917+/-433.206 χ^2/NDF: 22.7/28

Left In: 193.805+/-258.922 χ^2/NDF:23.3/22

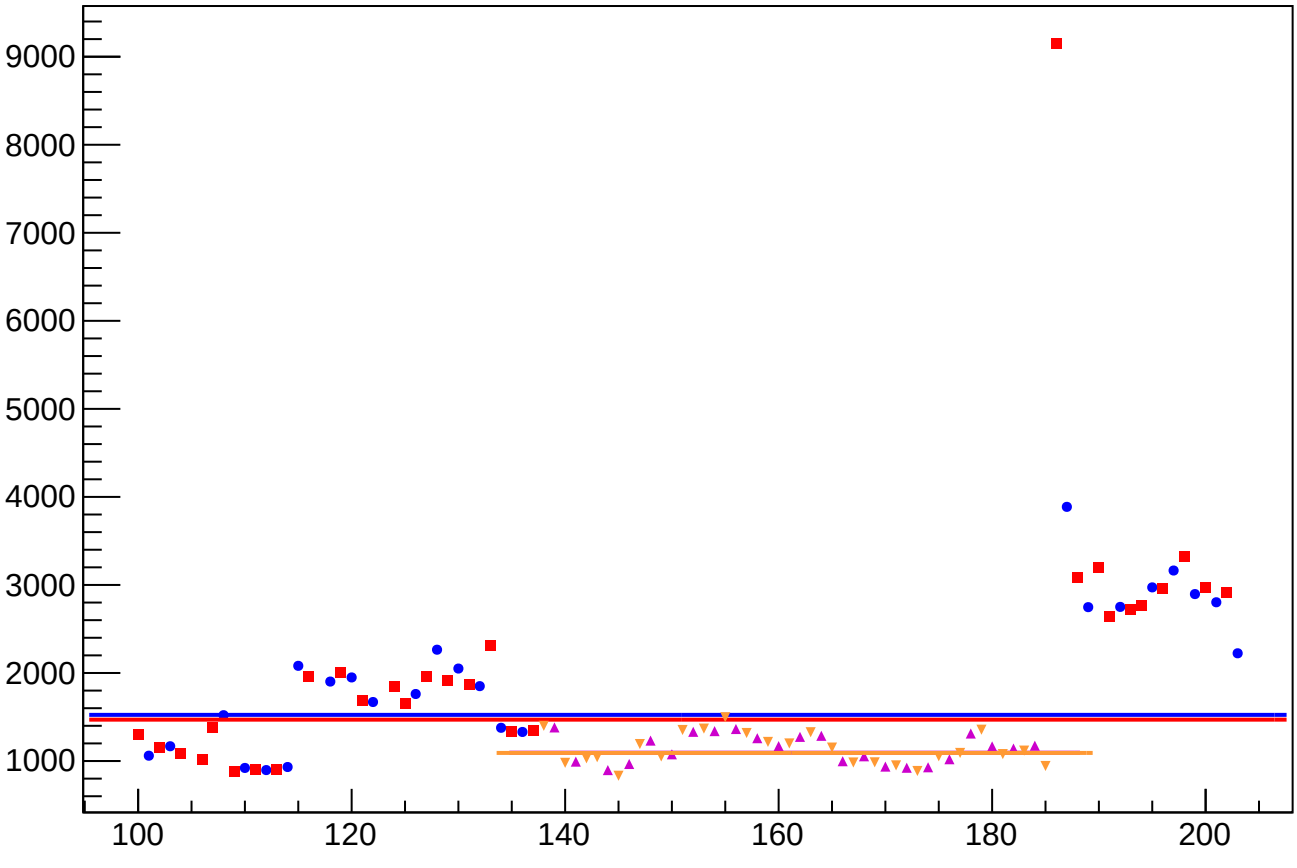
Left: -535.495+/-180.503 χ^2/NDF: 98.0/47

Right: 418.483+/-314.958 χ^2/NDF: 58.3/52

In: 33.135+/-225.483 χ^2/NDF:53.4/46

Out: -609.758+/-217.676 χ^2/NDF:105.6/53

All: -299.634+/-156.607 χ^2/NDF: 163.2/100



Right In: 1524.315+/-0.324 χ^2/NDF: 4121998.7/23

Left Out: 1091.980+/-0.178 χ^2/NDF:892442.4/24

Right Out: 1469.978+/-0.306 χ^2/NDF: 5898830.6/28

Left In: 1094.478+/-0.183 χ^2/NDF:732975.2/22

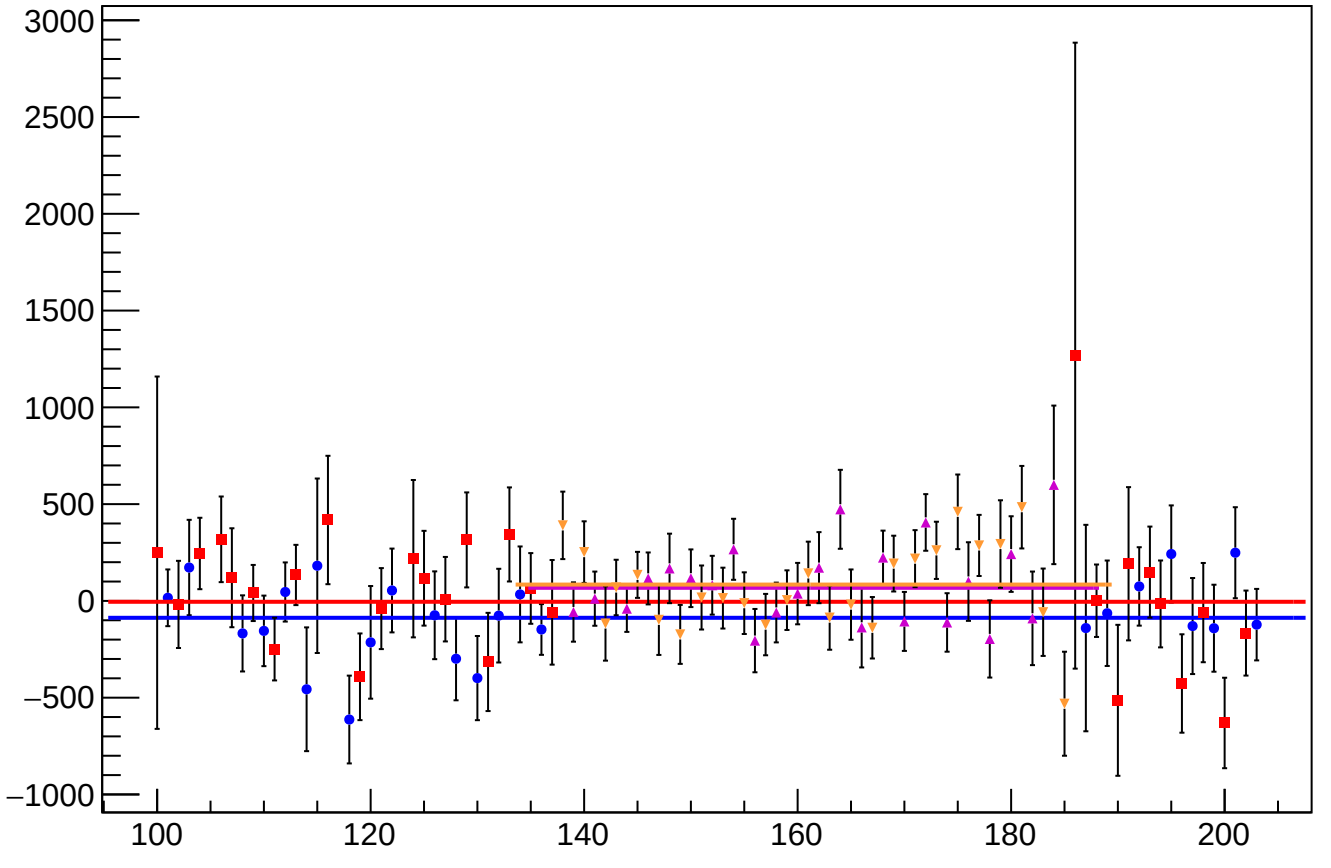
Left: 1093.194+/-0.128 χ^2/NDF: 1625513.3/47

Right: 1495.593+/-0.223 χ^2/NDF: 10035662.8/52

In: 1198.333+/-0.159 χ^2/NDF:6186727.4/46

Out: 1187.417+/-0.154 χ^2/NDF:7929534.5/53

All: 1192.683+/-0.111 χ^2/NDF: 14118688.1/1



Right In: -87.293+/-43.702 χ^2/NDF: 18.4/23

Left Out: 84.338+/-33.036 χ^2/NDF:33.8/24

Right Out: -4.556+/-42.608 χ^2/NDF: 31.6/28

Left In: 67.648+/-34.137 χ^2/NDF:26.5/22

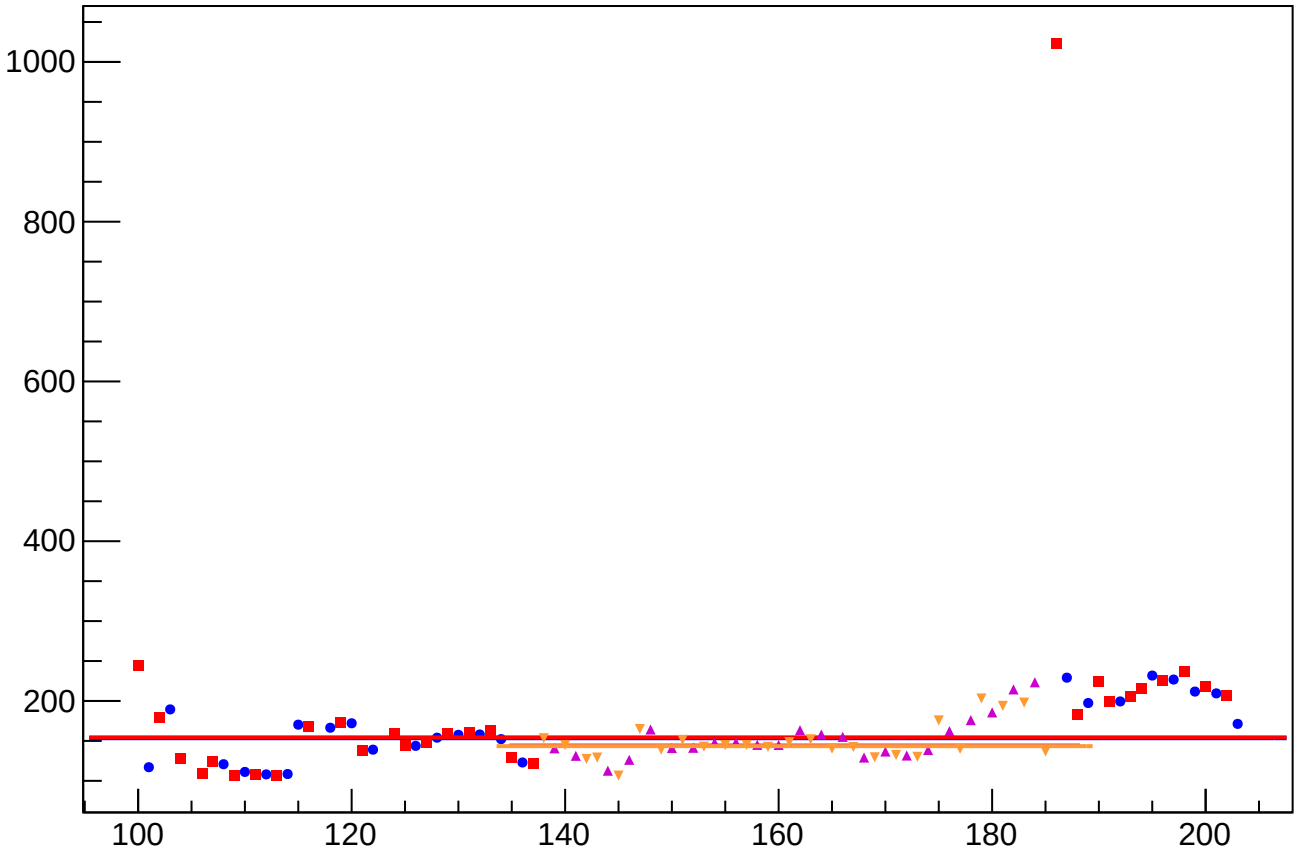
Left: 76.266+/-23.739 χ^2/NDF: 60.5/47

Right: -44.875+/-30.508 χ^2/NDF: 51.8/52

In: 8.935+/-26.902 χ^2/NDF:52.7/46

Out: 50.963+/-26.107 χ^2/NDF:68.1/53

All: 30.579+/-18.735 χ^2/NDF: 122.1/100



Right In: 153.359+/-0.031 χ^2/NDF: 1515815.5/23

Left Out: 143.444+/-0.023 χ^2/NDF:747040.9/24

Right Out: 154.430+/-0.030 χ^2/NDF: 2447440.8/28

Left In: 144.170+/-0.024 χ^2/NDF:702713.8/22

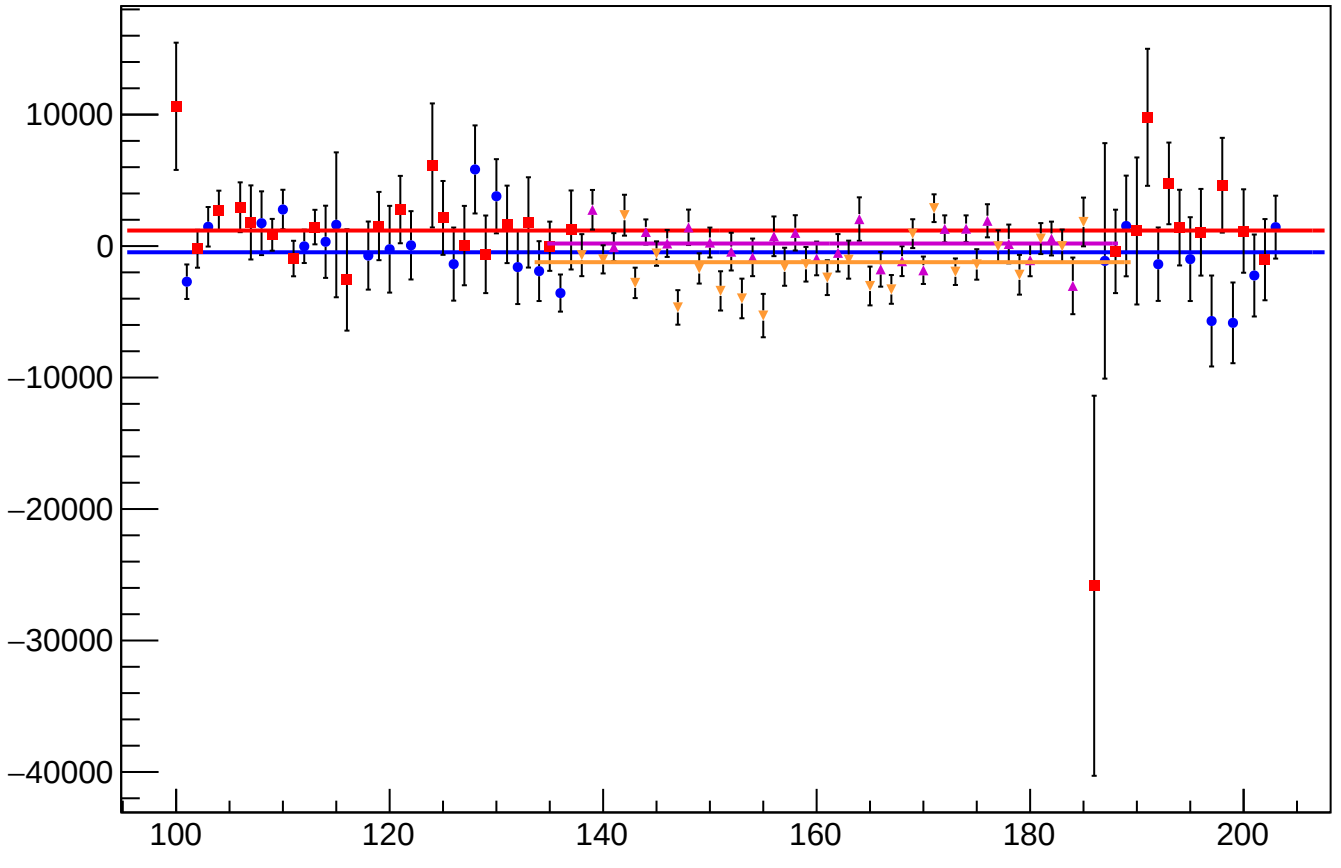
Left: 143.795+/-0.017 χ^2/NDF: 1450223.1/47

Right: 153.908+/-0.022 χ^2/NDF: 3963872.5/52

In: 147.652+/-0.019 χ^2/NDF:2273435.9/46

Out: 147.568+/-0.018 χ^2/NDF:3277533.4/53

All: 147.609+/-0.013 χ^2/NDF: 5550979.3/100



Right In: -471.238+/-458.728 χ^2/NDF: 28.5/23

Left Out: -1225.031+/-251.767 χ^2/NDF:59.3/24

Right Out: 1182.031+/-433.937 χ^2/NDF: 22.1/28

Left In: 193.808+/-258.922 χ^2/NDF:23.3/22

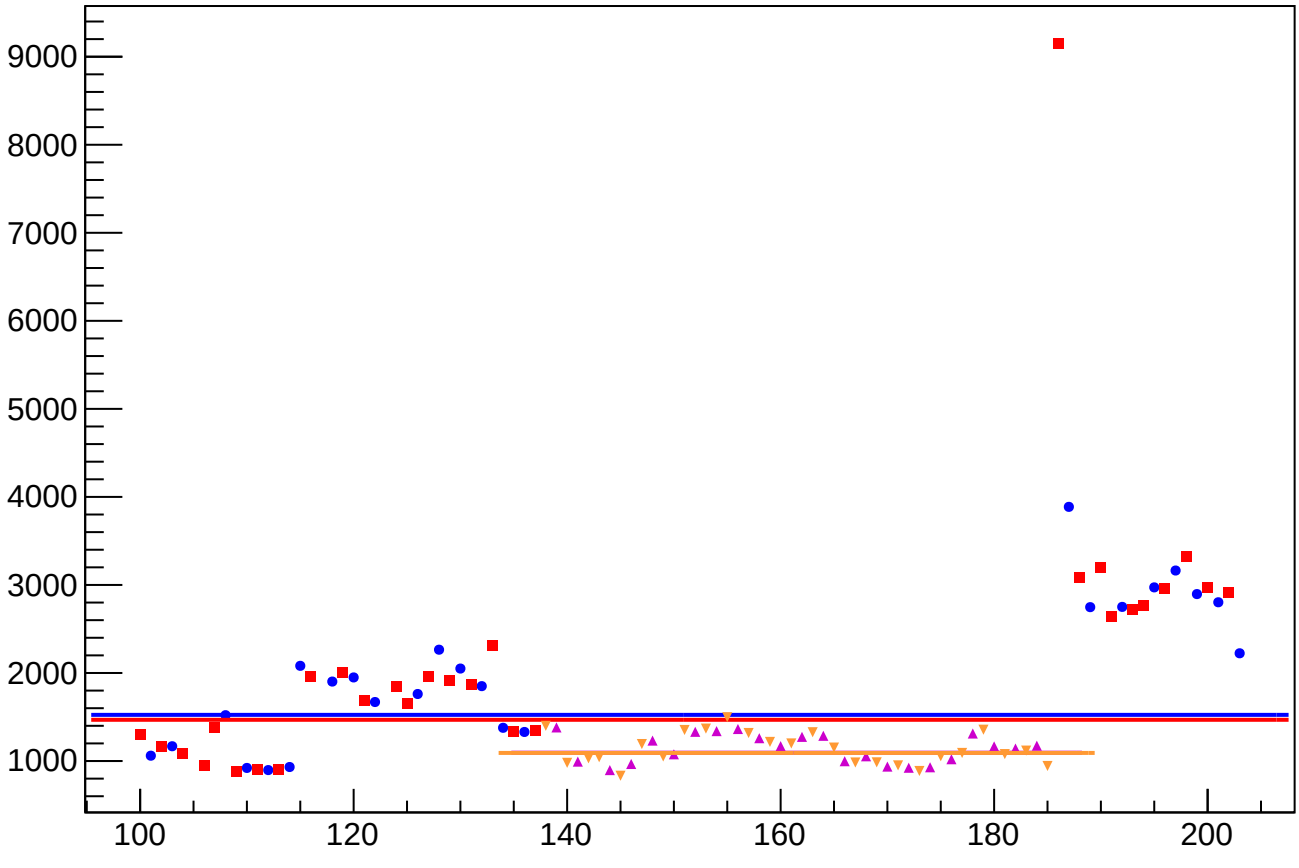
Left: -535.485+/-180.503 χ^2/NDF: 98.0/47

Right: 401.276+/-315.240 χ^2/NDF: 57.5/52

In: 33.125+/-225.483 χ^2/NDF:53.4/46

Out: -618.821+/-217.768 χ^2/NDF:104.4/53

All: -304.192+/-156.642 χ^2/NDF: 162.1/100



Right In: 1524.330+/-0.324 χ^2/NDF: 4121914.7/23

Left Out: 1091.979+/-0.178 χ^2/NDF:892441.9/24

Right Out: 1468.306+/-0.307 χ^2/NDF: 5924599.4/28

Left In: 1094.479+/-0.183 χ^2/NDF:732975.7/22

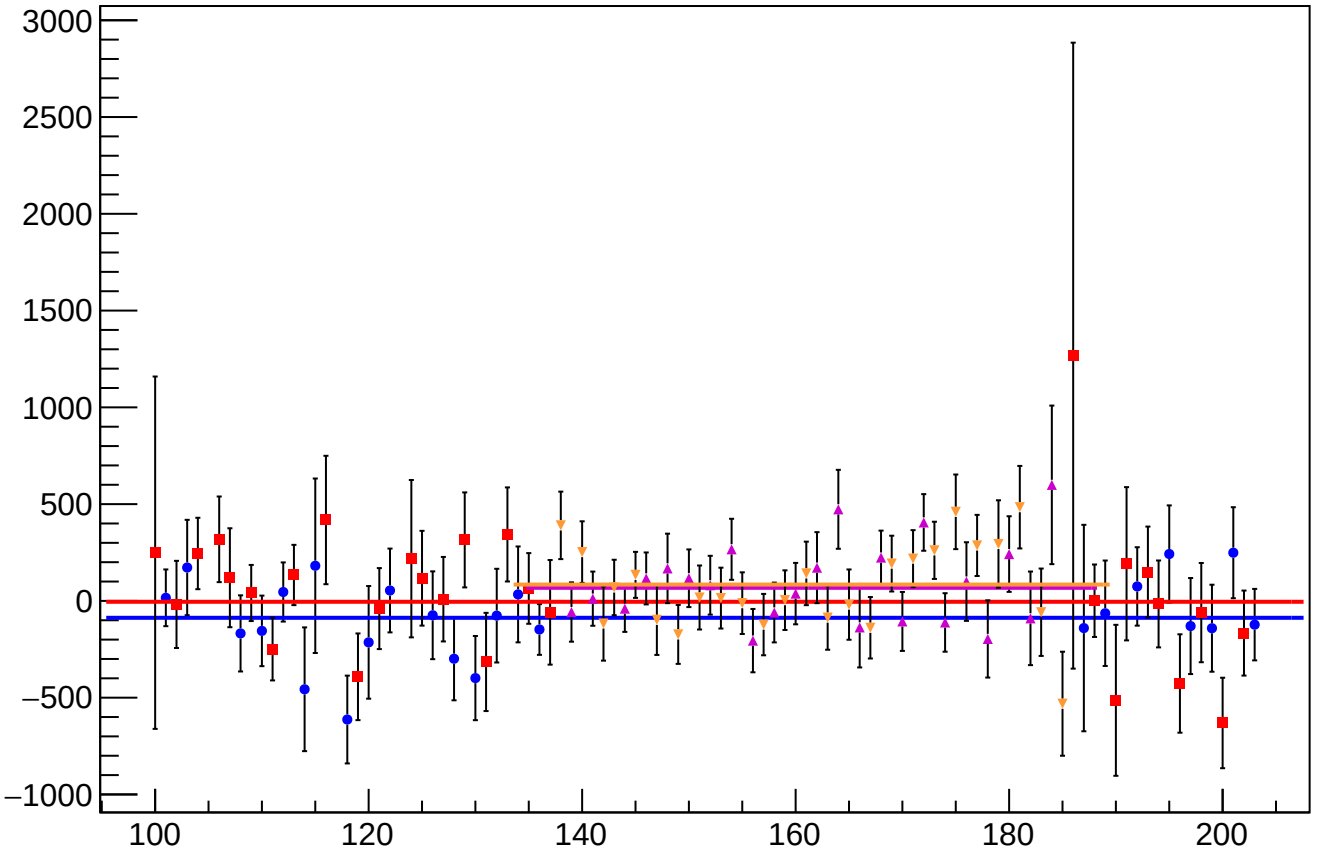
Left: 1093.194+/-0.128 χ^2/NDF: 1625513.3/47

Right: 1494.763+/-0.223 χ^2/NDF: 10062257.9/52

In: 1198.336+/-0.159 χ^2/NDF:6186720.8/46

Out: 1186.756+/-0.154 χ^2/NDF:7942416.5/53

All: 1192.344+/-0.111 χ^2/NDF: 14131866.5/1



Right In: -87.293+/-43.702 χ^2/NDF: 18.4/23

Left Out: 84.338+/-33.036 χ^2/NDF:33.8/24

Right Out: -4.556+/-42.608 χ^2/NDF: 31.6/28

Left In: 67.648+/-34.137 χ^2/NDF:26.5/22

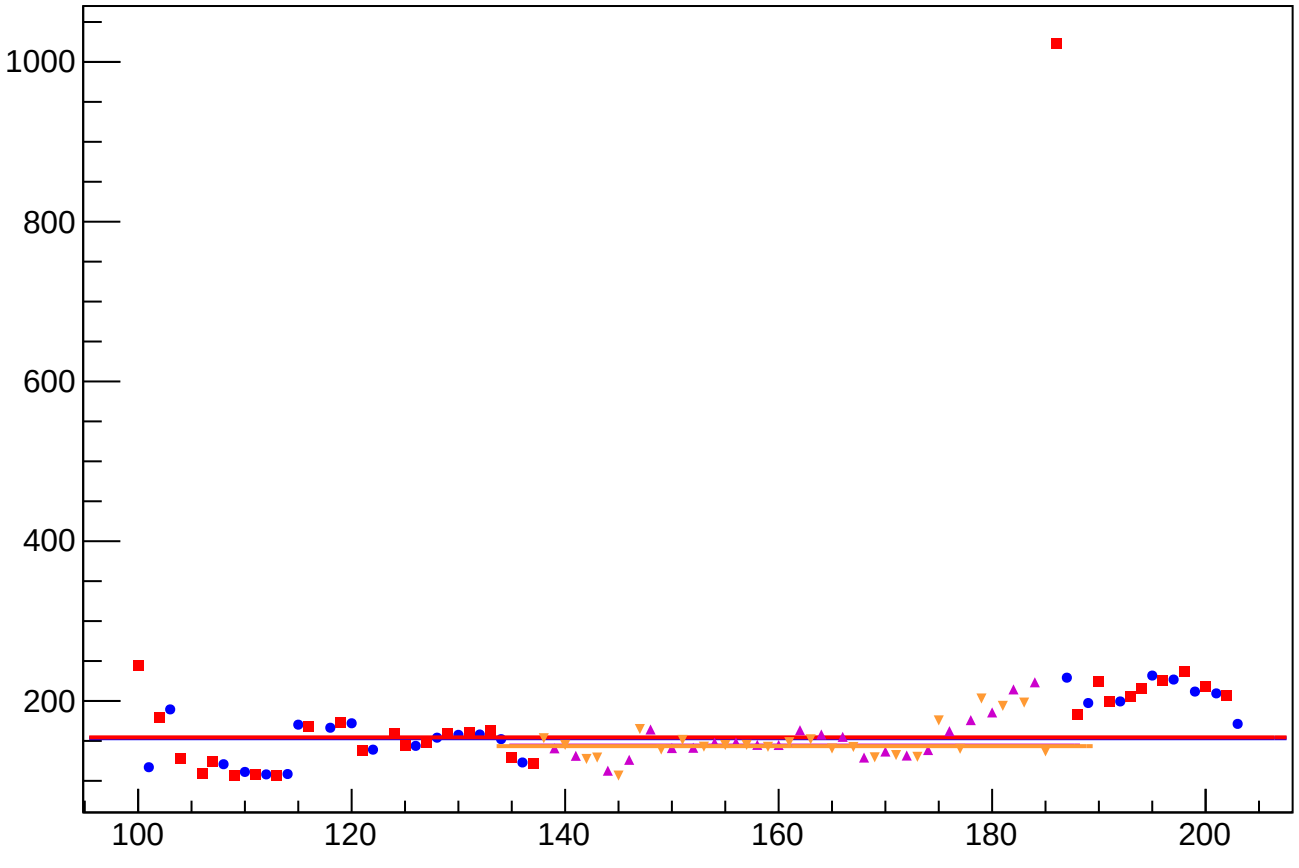
Left: 76.266+/-23.739 χ^2/NDF: 60.5/47

Right: -44.875+/-30.508 χ^2/NDF: 51.8/52

In: 8.935+/-26.902 χ^2/NDF:52.7/46

Out: 50.963+/-26.107 χ^2/NDF:68.1/53

All: 30.579+/-18.735 χ^2/NDF: 122.1/100



Right In: 153.359+/-0.031 χ^2/NDF: 1515815.5/23

Left Out: 143.444+/-0.023 χ^2/NDF:747040.9/24

Right Out: 154.430+/-0.030 χ^2/NDF: 2447440.8/28

Left In: 144.170+/-0.024 χ^2/NDF:702713.8/22

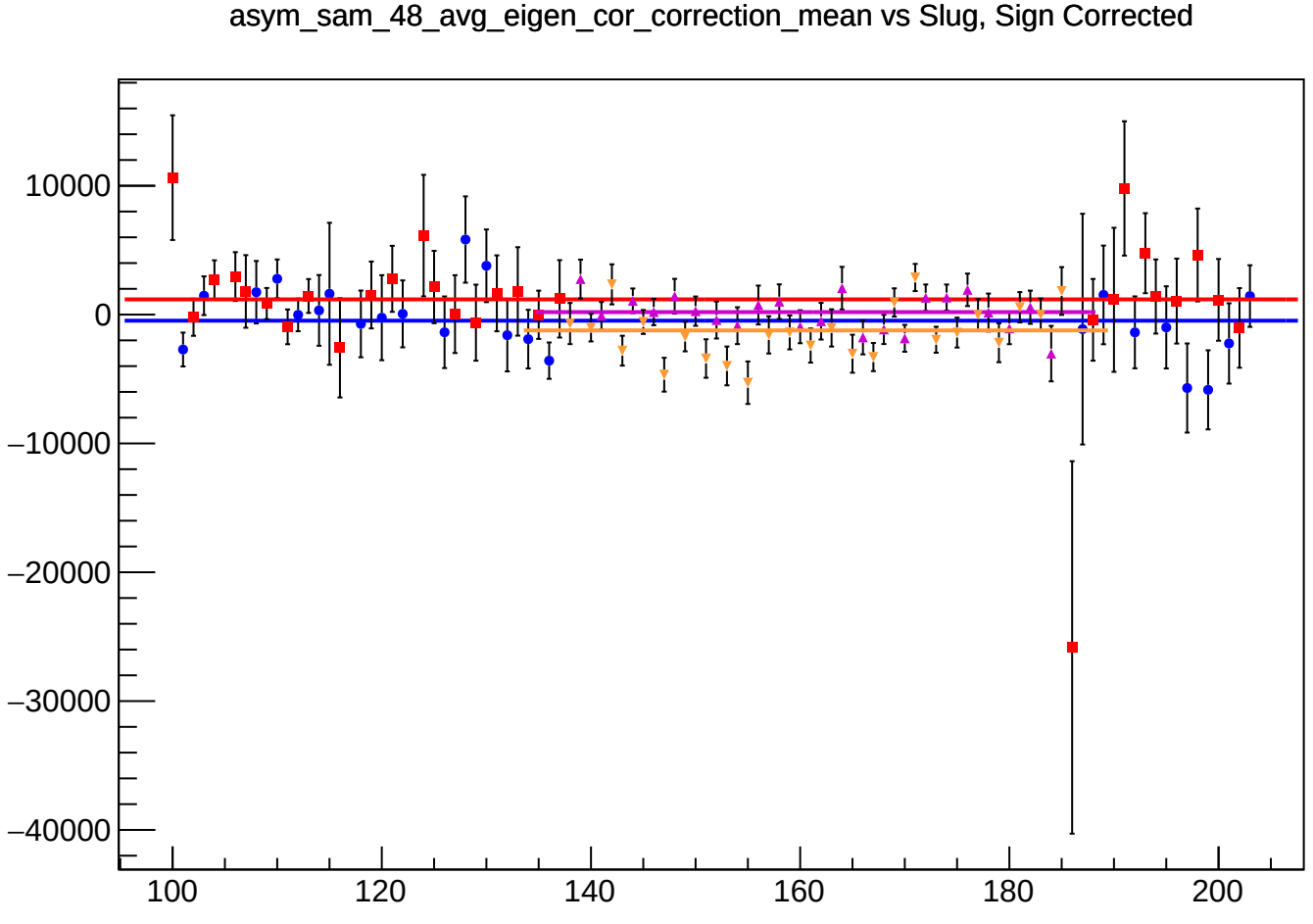
Left: 143.795+/-0.017 χ^2/NDF: 1450223.1/47

Right: 153.908+/-0.022 χ^2/NDF: 3963872.5/52

In: 147.652+/-0.019 χ^2/NDF:2273435.9/46

Out: 147.568+/-0.018 χ^2/NDF:3277533.4/53

All: 147.609+/-0.013 χ^2/NDF: 5550979.3/100



Right In: -471.238+/-458.728 χ^2/NDF: 28.5/23

Left Out: -1225.031+/-251.767 χ^2/NDF:59.3/24

Right Out: 1182.031+/-433.937 χ^2/NDF: 22.1/28

Left In: 193.808+/-258.922 χ^2/NDF:23.3/22

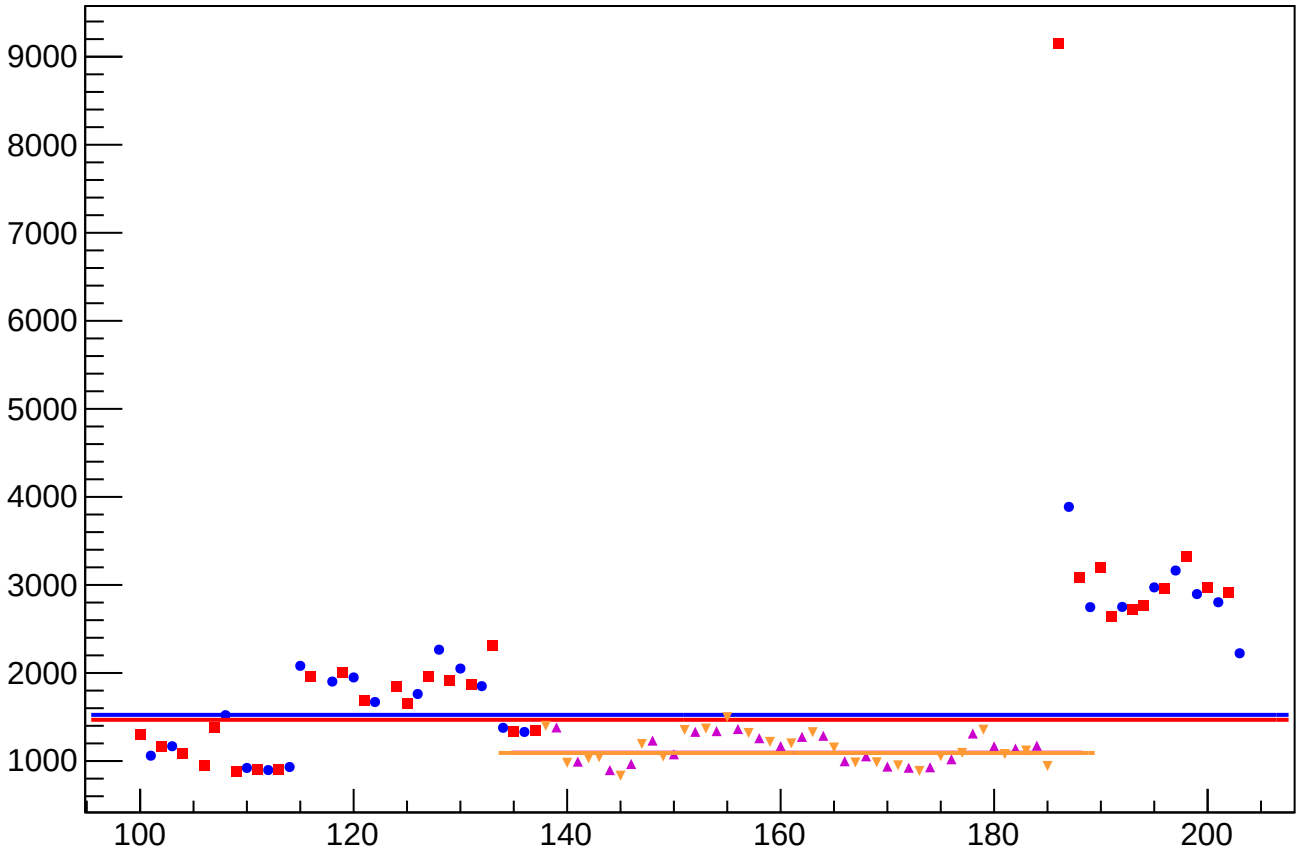
Left: -535.485+/-180.503 χ^2/NDF: 98.0/47

Right: 401.276+/-315.240 χ^2/NDF: 57.5/52

In: 33.125+/-225.483 χ^2/NDF:53.4/46

Out: -618.821+/-217.768 χ^2/NDF:104.4/53

All: -304.192+/-156.642 χ^2/NDF: 162.1/100



Right In: 1524.330+/-0.324 χ^2/NDF: 4121914.7/23

Left Out: 1091.979+/-0.178 χ^2/NDF:892441.9/24

Right Out: 1468.306+/-0.307 χ^2/NDF: 5924599.4/28

Left In: 1094.479+/-0.183 χ^2/NDF:732975.7/22

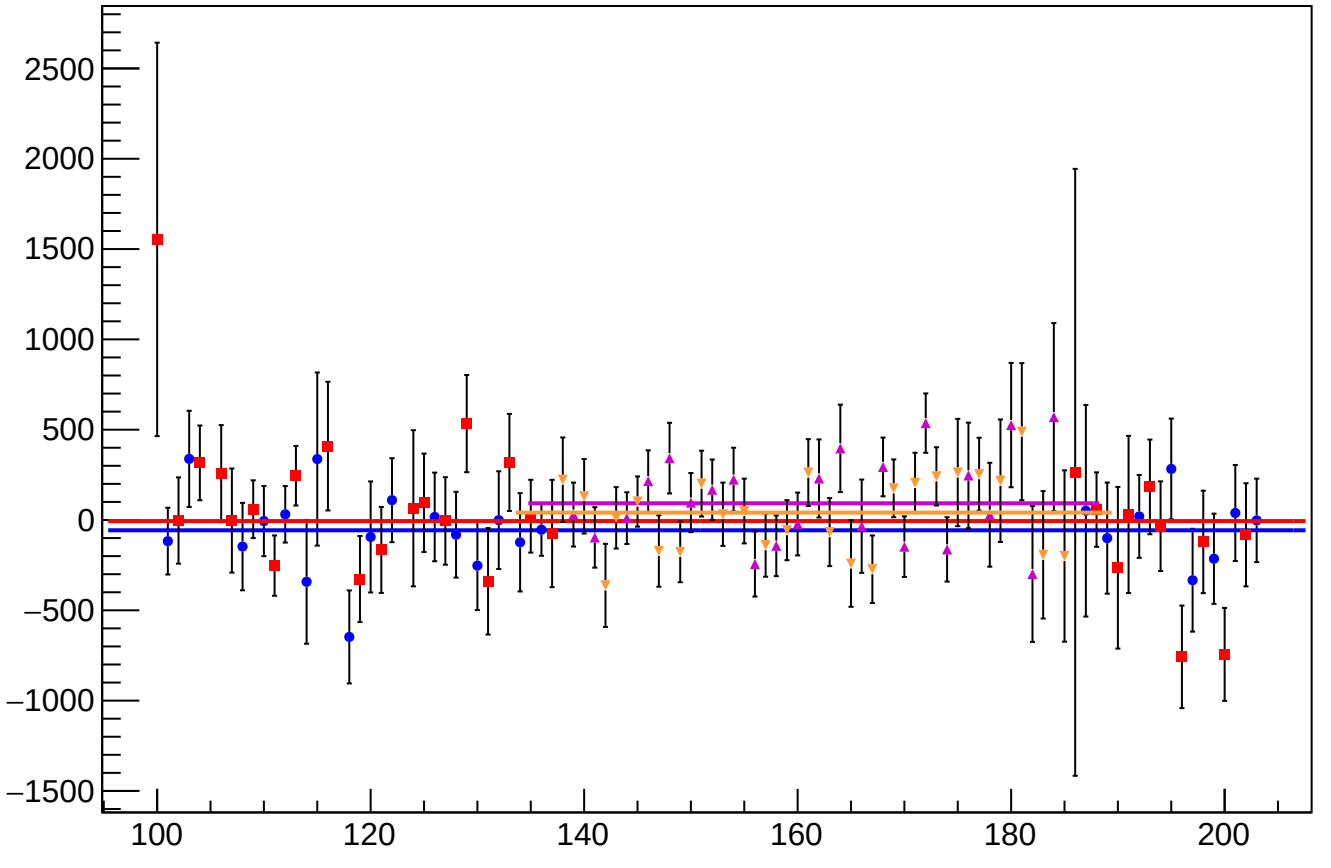
Left: 1093.194+/-0.128 χ^2/NDF: 1625513.3/47

Right: 1494.763+/-0.223 χ^2/NDF: 10062257.9/52

In: 1198.336+/-0.159 χ^2/NDF:6186720.8/46

Out: 1186.756+/-0.154 χ^2/NDF:7942416.5/53

All: 1192.344+/-0.111 χ^2/NDF: 14131866.5/1



Right In: -56.902+/-48.952 χ^2/NDF: 14.0/23

Left Out: 41.086+/-39.177 χ^2/NDF:22.3/24

Right Out: -5.825+/-47.096 χ^2/NDF: 37.2/28

Left In: 92.556+/-40.165 χ^2/NDF:29.5/22

Left: 66.180+/-28.045 χ^2/NDF: 52.7/47

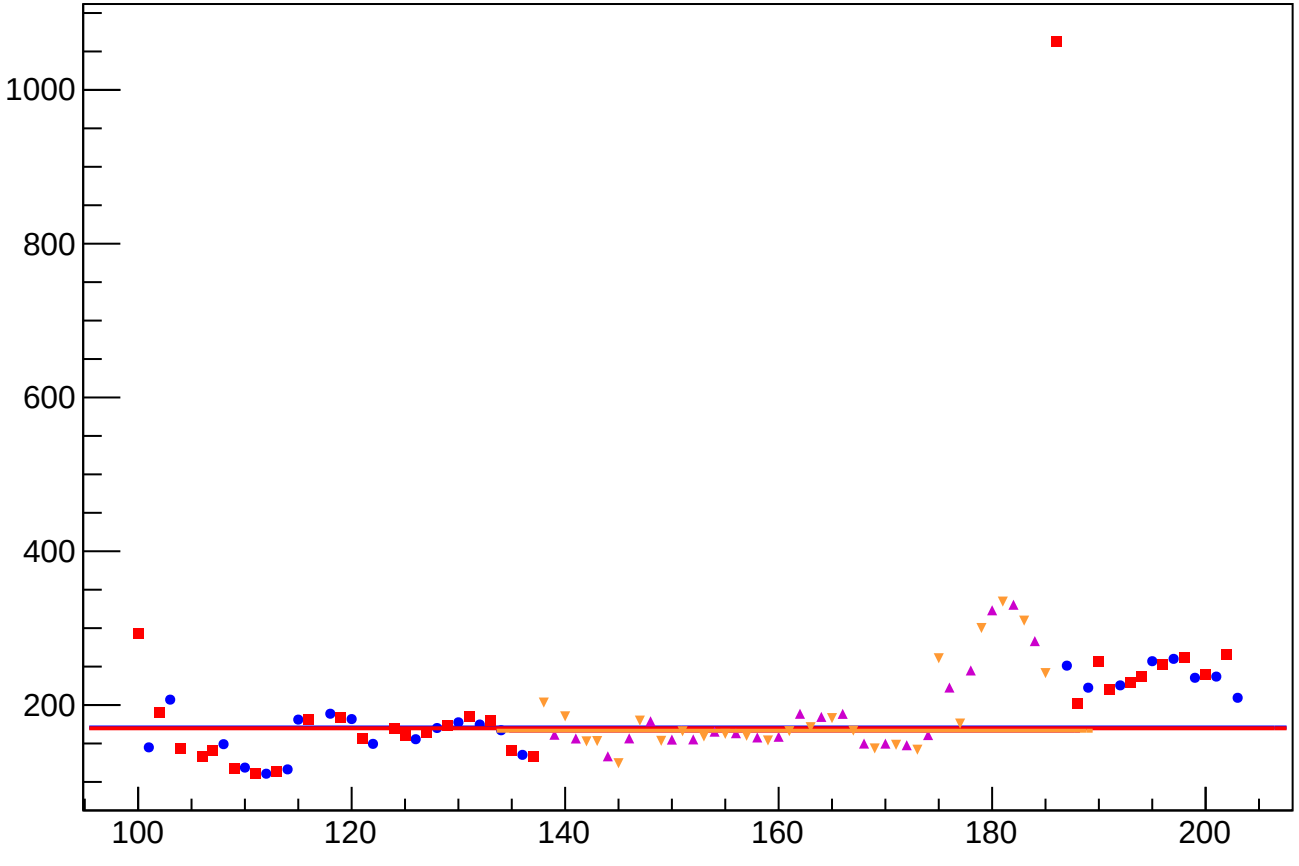
Right: -30.376+/-33.939 χ^2/NDF: 51.8/52

In: 32.422+/-31.051 χ^2/NDF:49.1/46

Out: 21.901+/-30.118 χ^2/NDF:60.1/53

All: 27.001+/-21.619 χ^2/NDF: 109.2/100

dit_asym_sam_48_avg_rms vs Slug, Sign Corrected



Right In: 170.798+/-0.035 χ^2/NDF: 1653362.4/23

Left Out: 166.599+/-0.028 χ^2/NDF:1719835.6/24

Right Out: 169.763+/-0.033 χ^2/NDF: 2642363.3/28

Left In: 166.308+/-0.028 χ^2/NDF:1392466.3/22

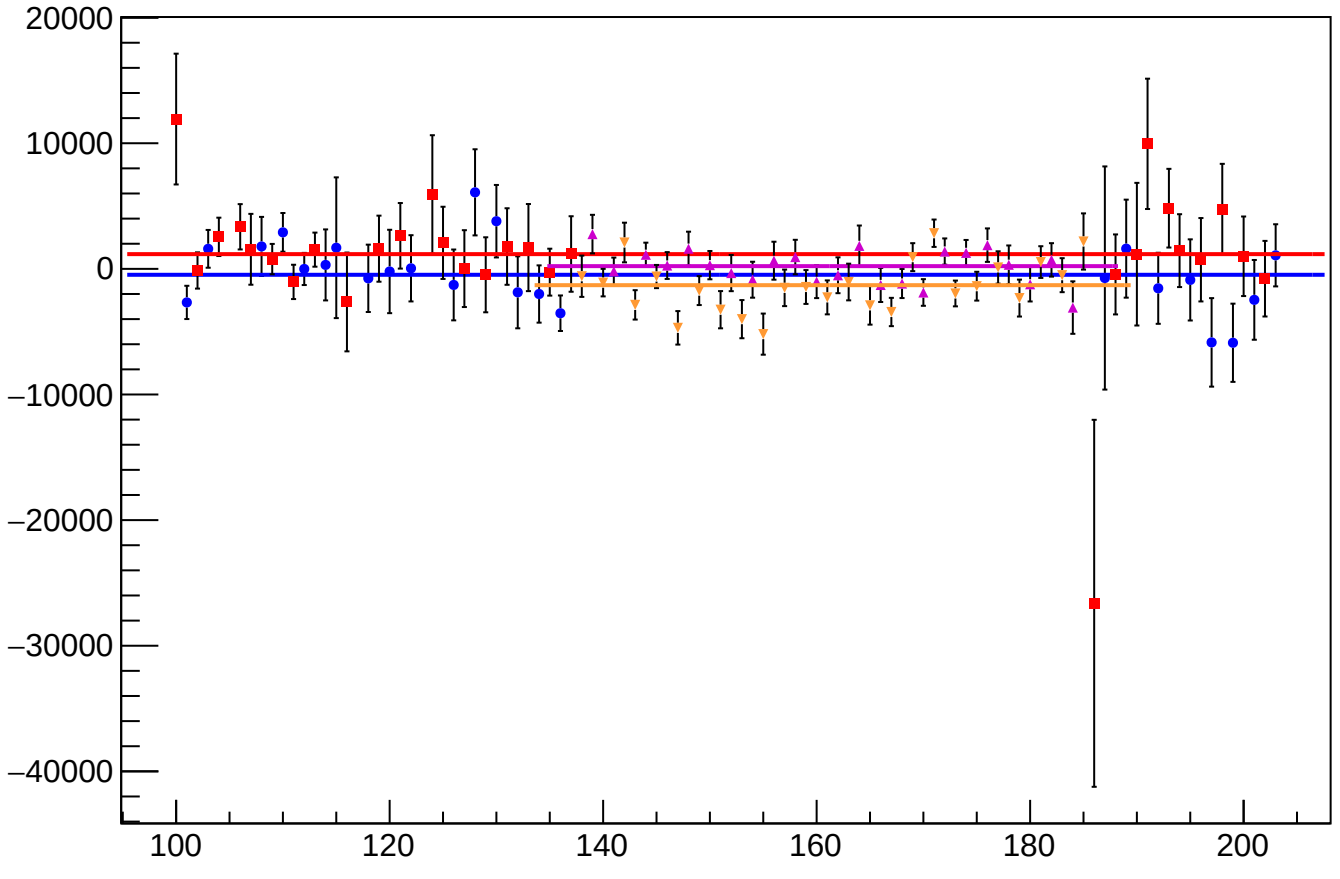
Left: 166.457+/-0.020 χ^2/NDF: 3112355.5/47

Right: 170.260+/-0.024 χ^2/NDF: 4296190.1/52

In: 168.115+/-0.022 χ^2/NDF:3055884.1/46

Out: 167.893+/-0.021 χ^2/NDF:4367535.2/53

All: 168.000+/-0.015 χ^2/NDF: 7423471.9/100



Right In: -471.512+/-463.824 χ^2/NDF: 28.7/23

Left Out: -1298.333+/-256.961 χ^2/NDF:55.1/24

Right Out: 1173.042+/-436.733 χ^2/NDF: 23.2/28

Left In: 217.285+/-264.388 χ^2/NDF:22.2/22

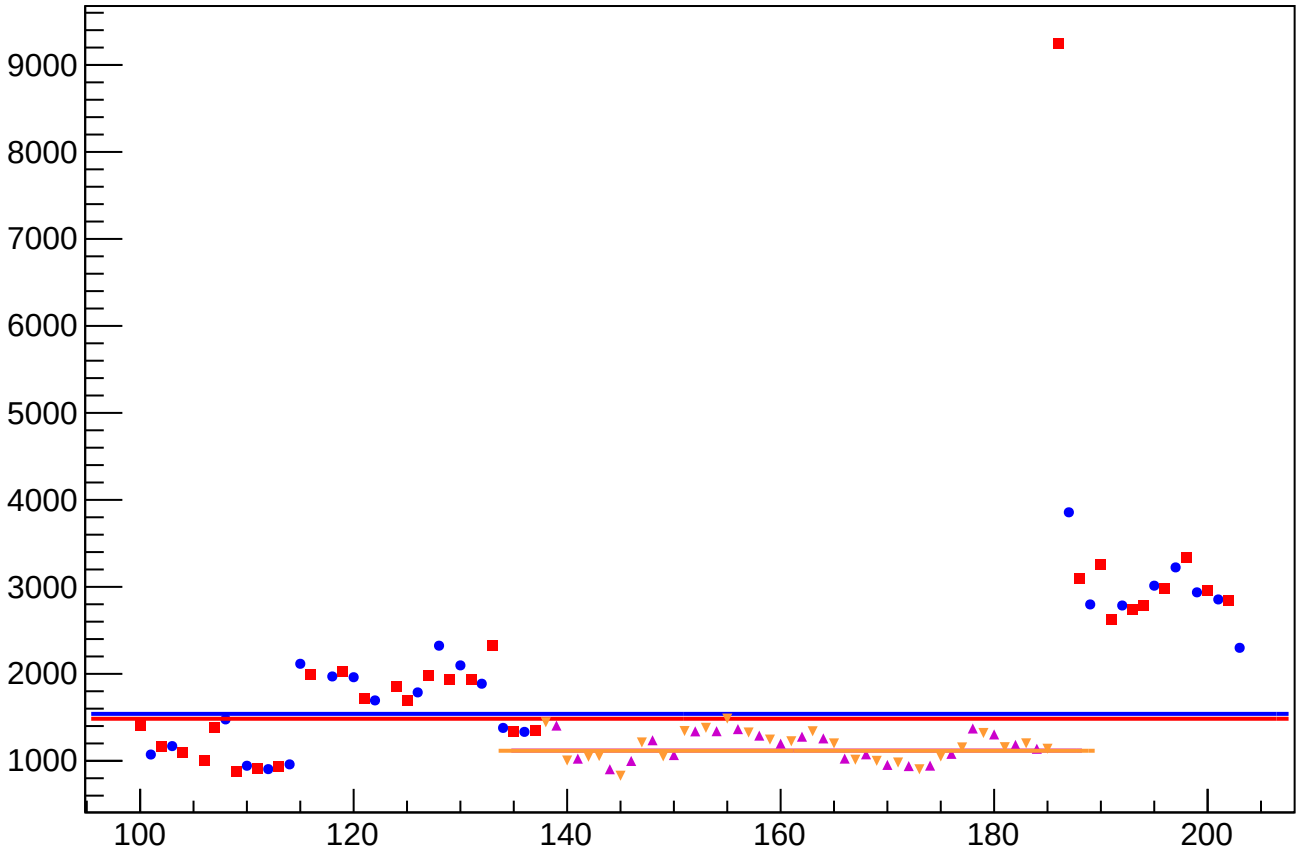
Left: -562.110+/-184.269 χ^2/NDF: 94.2/47

Right: 400.191+/-317.963 χ^2/NDF: 58.5/52

In: 48.366+/-229.693 χ^2/NDF:52.6/46

Out: -662.800+/-221.471 χ^2/NDF:102.1/53

All: -320.173+/-159.431 χ^2/NDF: 159.6/100



Right In: 1540.060+/-0.328 χ^2/NDF: 4178410.4/23

Left Out: 1116.034+/-0.182 χ^2/NDF:867489.3/24

Right Out: 1483.953+/-0.309 χ^2/NDF: 5865317.7/28

Left In: 1117.831+/-0.187 χ^2/NDF:729387.1/22

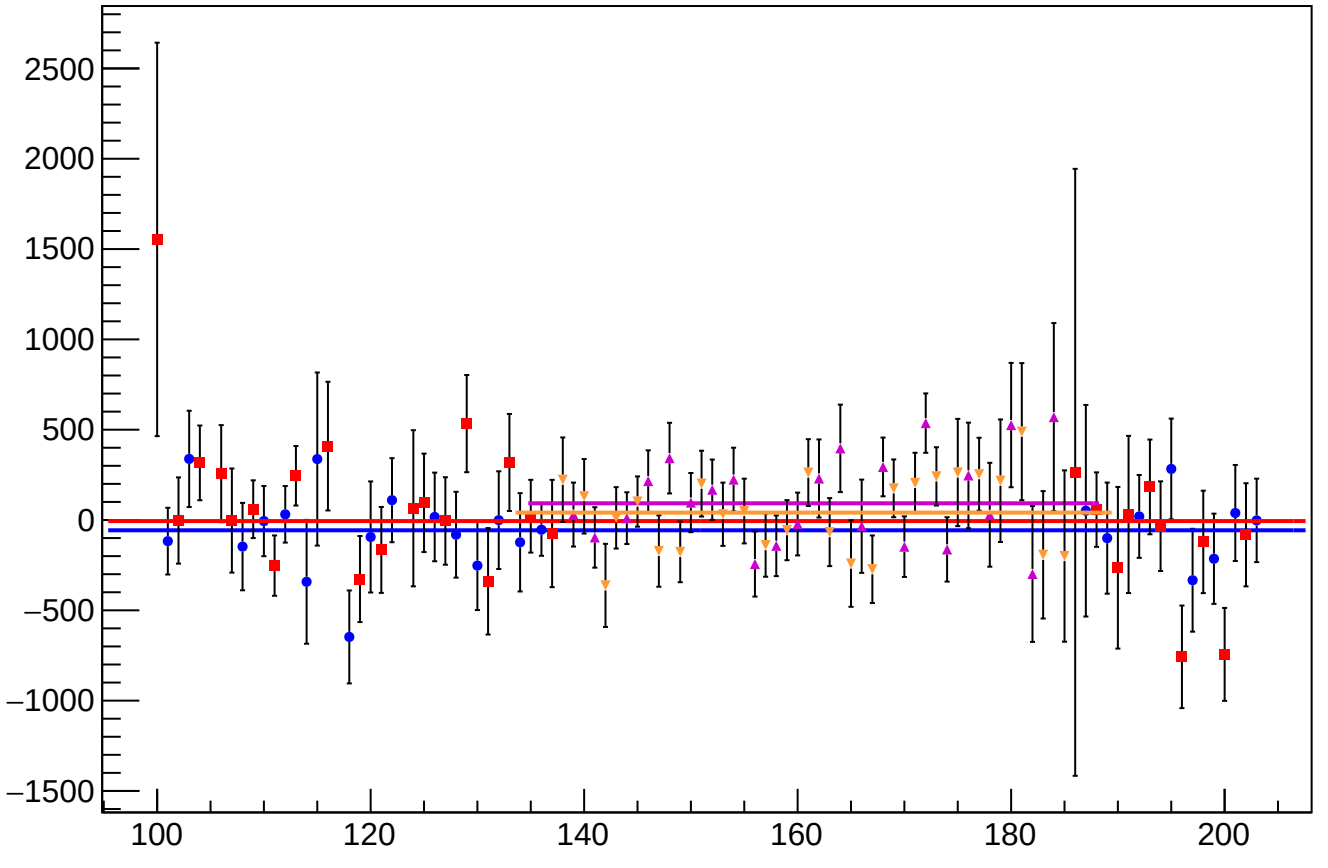
Left: 1116.907+/-0.130 χ^2/NDF: 1596924.0/47

Right: 1510.320+/-0.225 χ^2/NDF: 10059240.1/52

In: 1221.378+/-0.162 χ^2/NDF:6158716.3/46

Out: 1210.647+/-0.157 χ^2/NDF:7787193.7/53

All: 1215.817+/-0.113 χ^2/NDF: 13948172.1/1



Right In: -56.899+/-48.952 χ^2/NDF: 14.0/23

Left Out: 41.088+/-39.177 χ^2/NDF:22.3/24

Right Out: -5.826+/-47.096 χ^2/NDF: 37.2/28

Left In: 92.556+/-40.165 χ^2/NDF:29.5/22

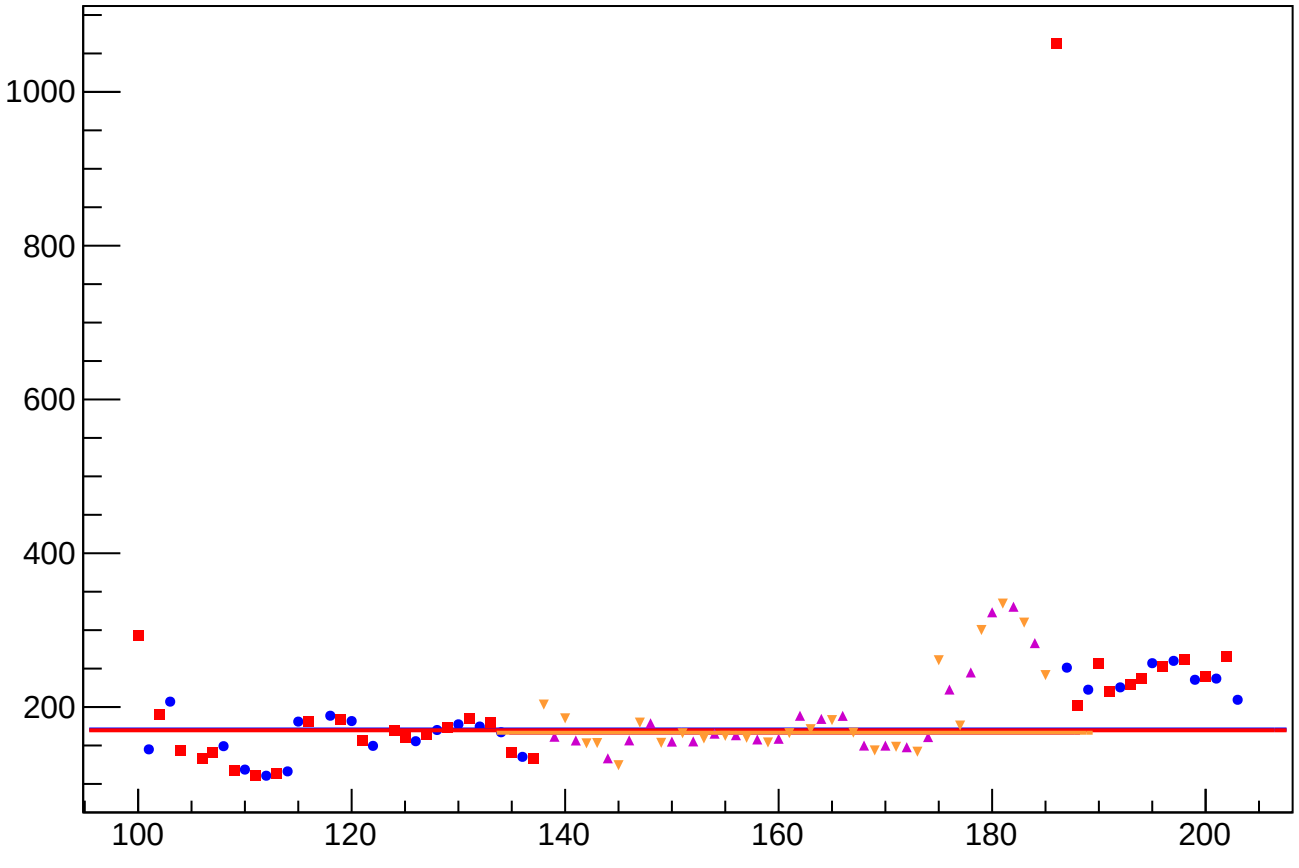
Left: 66.181+/-28.045 χ^2/NDF: 52.7/47

Right: -30.376+/-33.939 χ^2/NDF: 51.8/52

In: 32.423+/-31.051 χ^2/NDF:49.1/46

Out: 21.902+/-30.118 χ^2/NDF:60.1/53

All: 27.002+/-21.619 χ^2/NDF: 109.2/100



Right In: 170.798+/-0.035 χ^2/NDF: 1653350.3/23

Left Out: 166.599+/-0.028 χ^2/NDF:1719829.4/24

Right Out: 169.763+/-0.033 χ^2/NDF: 2642370.2/28

Left In: 166.308+/-0.028 χ^2/NDF:1392446.1/22

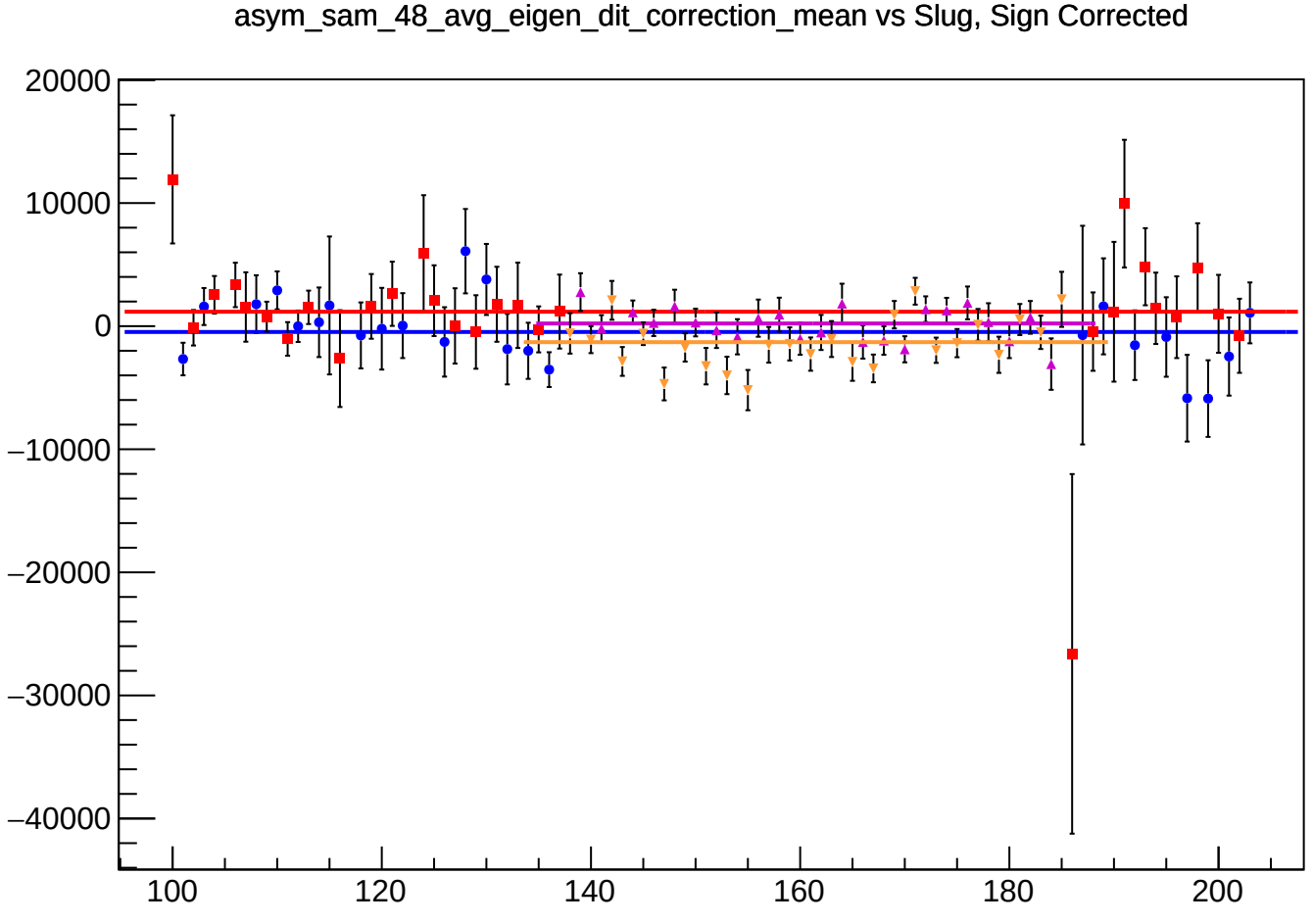
Left: 166.457+/-0.020 χ^2/NDF: 3112329.1/47

Right: 170.260+/-0.024 χ^2/NDF: 4296184.8/52

In: 168.115+/-0.022 χ^2/NDF:3055850.2/46

Out: 167.893+/-0.021 χ^2/NDF:4367534.8/53

All: 168.000+/-0.015 χ^2/NDF: 7423437.7/100



Right In: -471.511+/-463.823 χ^2/NDF: 28.7/23

Left Out: -1298.330+/-256.961 χ^2/NDF:55.1/24

Right Out: 1173.041+/-436.733 χ^2/NDF: 23.2/28

Left In: 217.283+/-264.388 χ^2/NDF:22.2/22

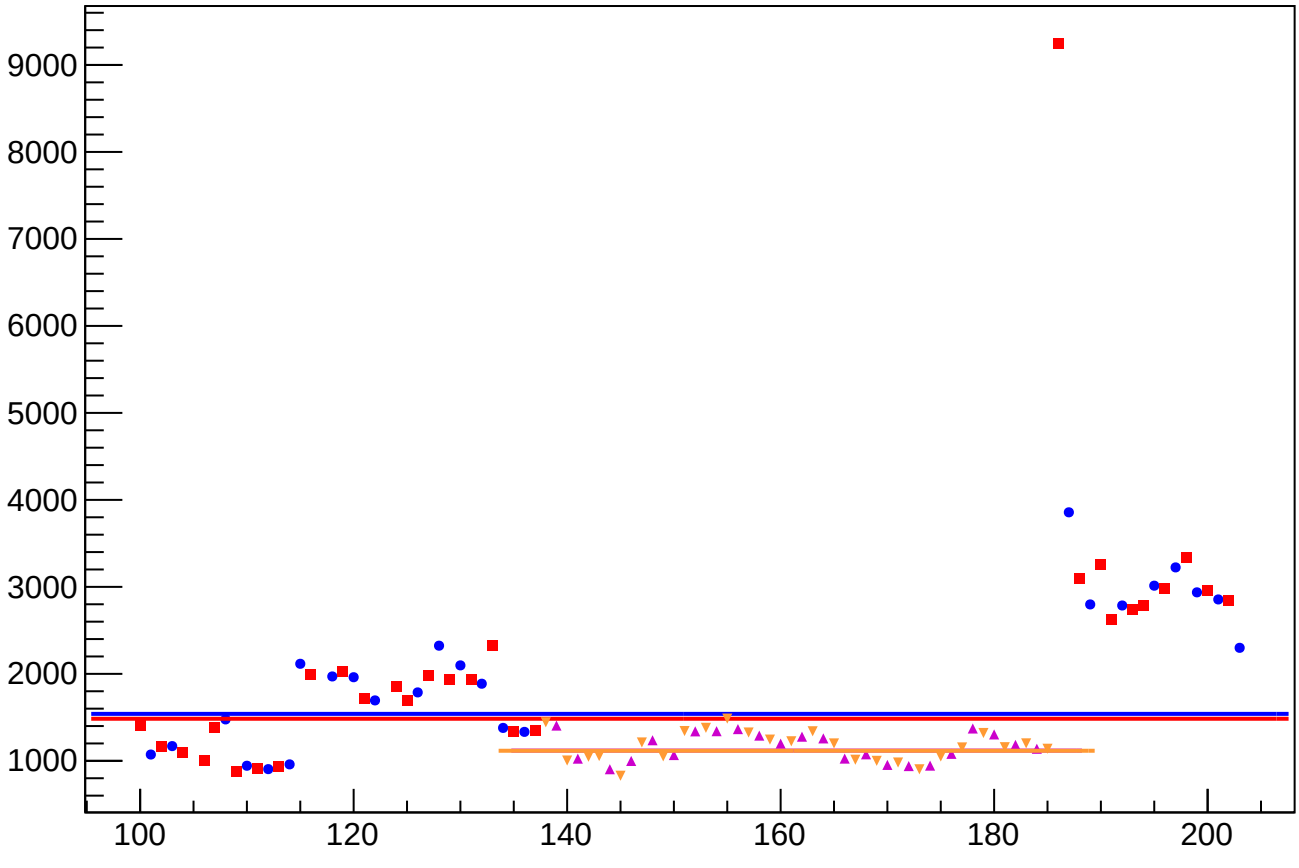
Left: -562.109+/-184.268 χ^2/NDF: 94.2/47

Right: 400.191+/-317.963 χ^2/NDF: 58.5/52

In: 48.365+/-229.692 χ^2/NDF:52.6/46

Out: -662.799+/-221.470 χ^2/NDF:102.1/53

All: -320.173+/-159.431 χ^2/NDF: 159.6/100



Right In: 1540.058+/-0.328 χ^2/NDF: 4178411.1/23

Left Out: 1116.032+/-0.182 χ^2/NDF:867491.2/24

Right Out: 1483.952+/-0.309 χ^2/NDF: 5865316.3/28

Left In: 1117.829+/-0.187 χ^2/NDF:729386.0/22

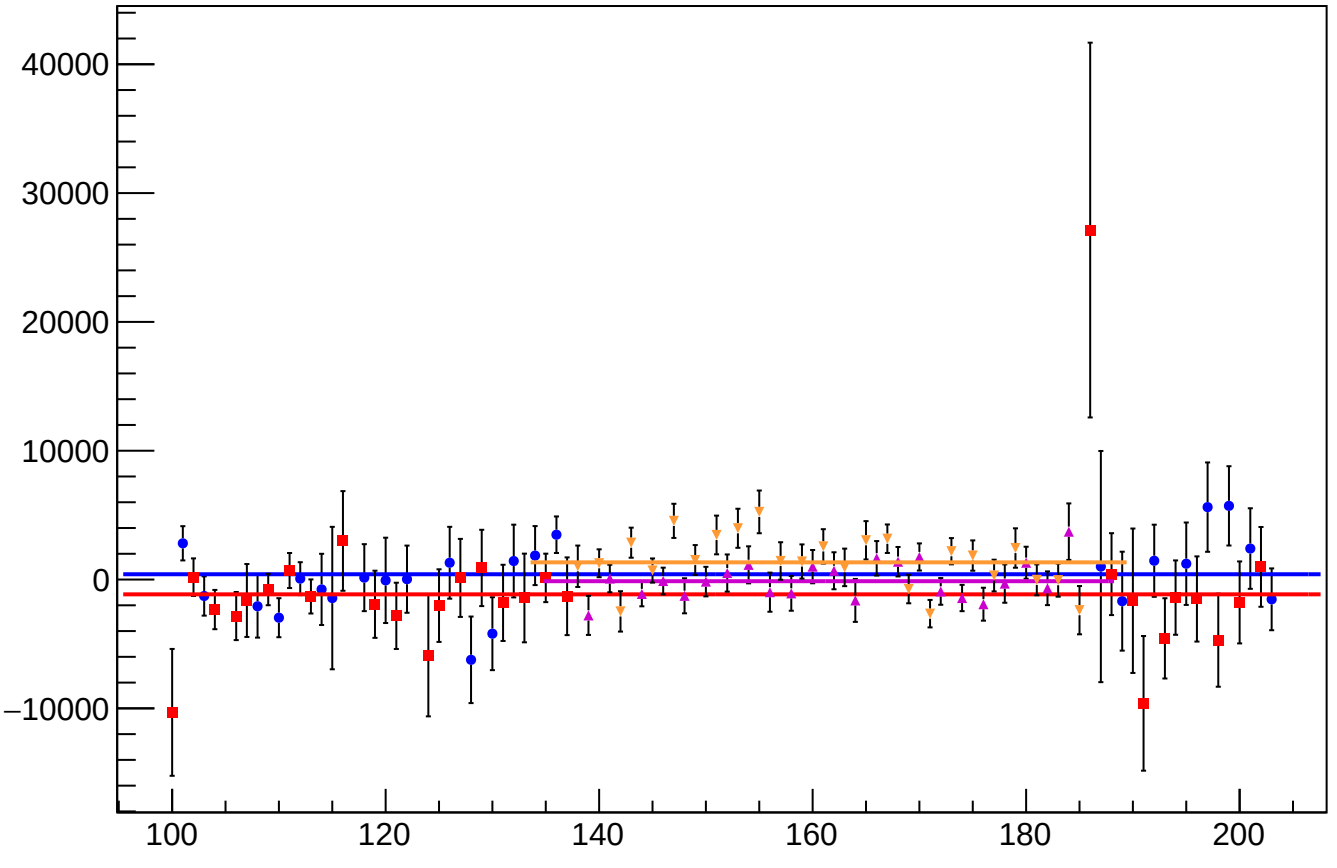
Left: 1116.905+/-0.130 χ^2/NDF: 1596924.8/47

Right: 1510.319+/-0.225 χ^2/NDF: 10059239.5/52

In: 1221.376+/-0.162 χ^2/NDF:6158720.2/46

Out: 1210.645+/-0.157 χ^2/NDF:7787199.2/53

All: 1215.815+/-0.113 χ^2/NDF: 13948181.5/1



Right In: 410.640+/-461.793 χ^2/NDF: 29.6/23

Left Out: 1334.704+/-254.187 χ^2/NDF:55.7/24

Right Out: -1149.401+/-436.234 χ^2/NDF: 21.0/28

Left In: -128.368+/-261.415 χ^2/NDF:24.0/22

Left: 623.675+/-182.239 χ^2/NDF: 95.8/47

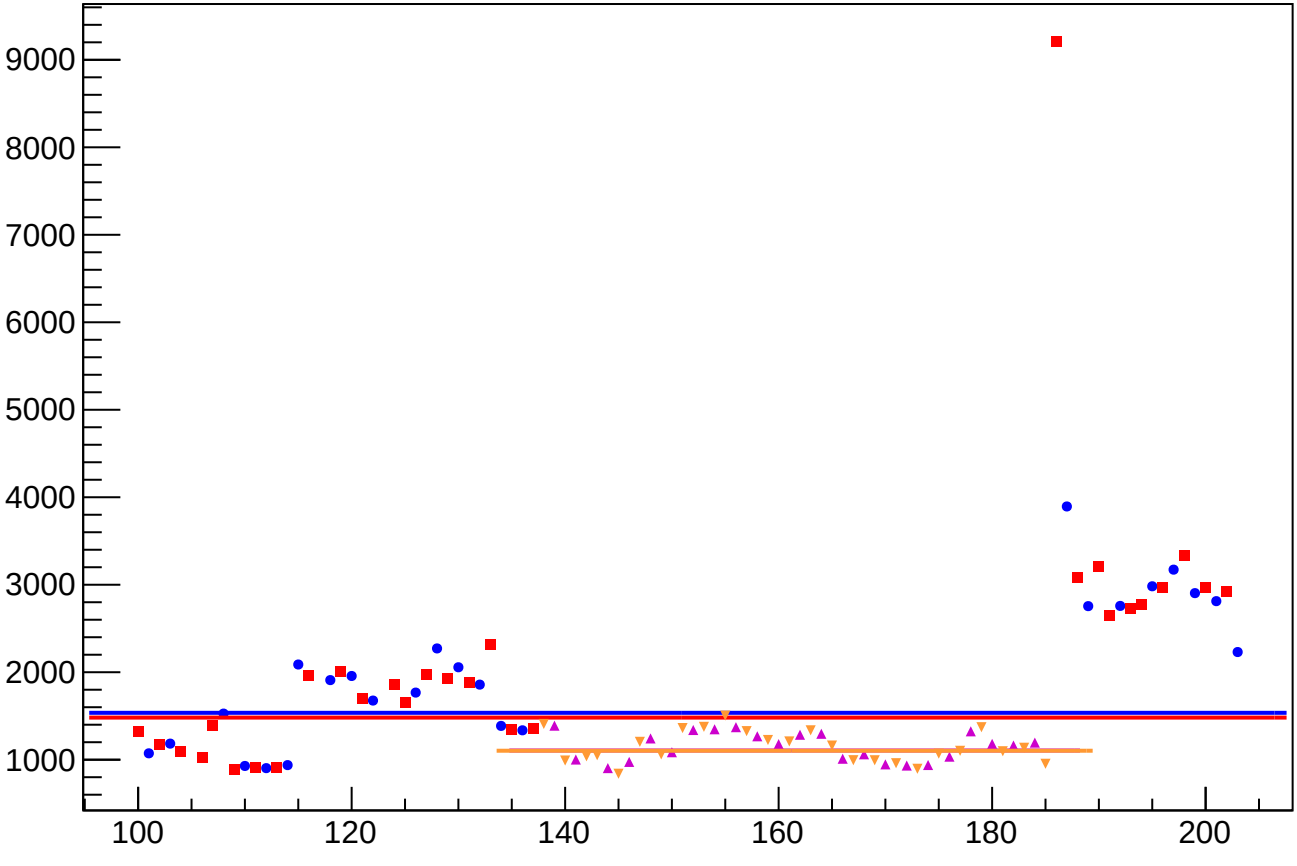
Right: -413.744+/-317.115 χ^2/NDF: 56.6/52

In: 2.442+/-227.494 χ^2/NDF:54.6/46

Out: 705.071+/-219.623 χ^2/NDF:100.9/53

All: 366.120+/-158.006 χ^2/NDF: 160.4/100

asym_sam_48_avg_rms vs Slug, Sign Corrected



Right In: 1536.065+/-0.327 χ^2/NDF: 4076933.8/23

Left Out: 1102.700+/-0.180 χ^2/NDF:880468.6/24

Right Out: 1481.548+/-0.308 χ^2/NDF: 5849889.6/28

Left In: 1105.200+/-0.185 χ^2/NDF:723304.5/22

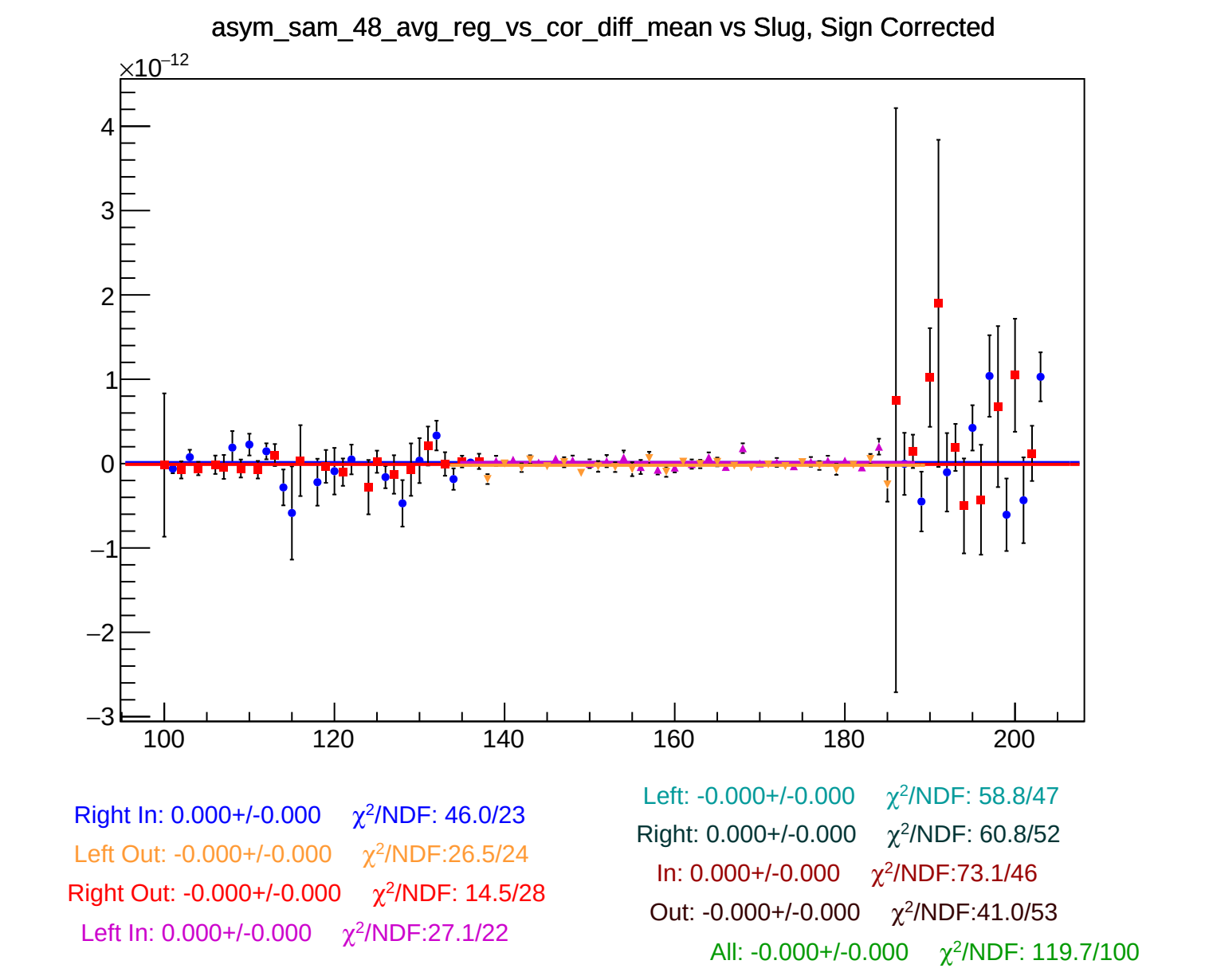
Left: 1103.915+/-0.129 χ^2/NDF: 1603867.1/47

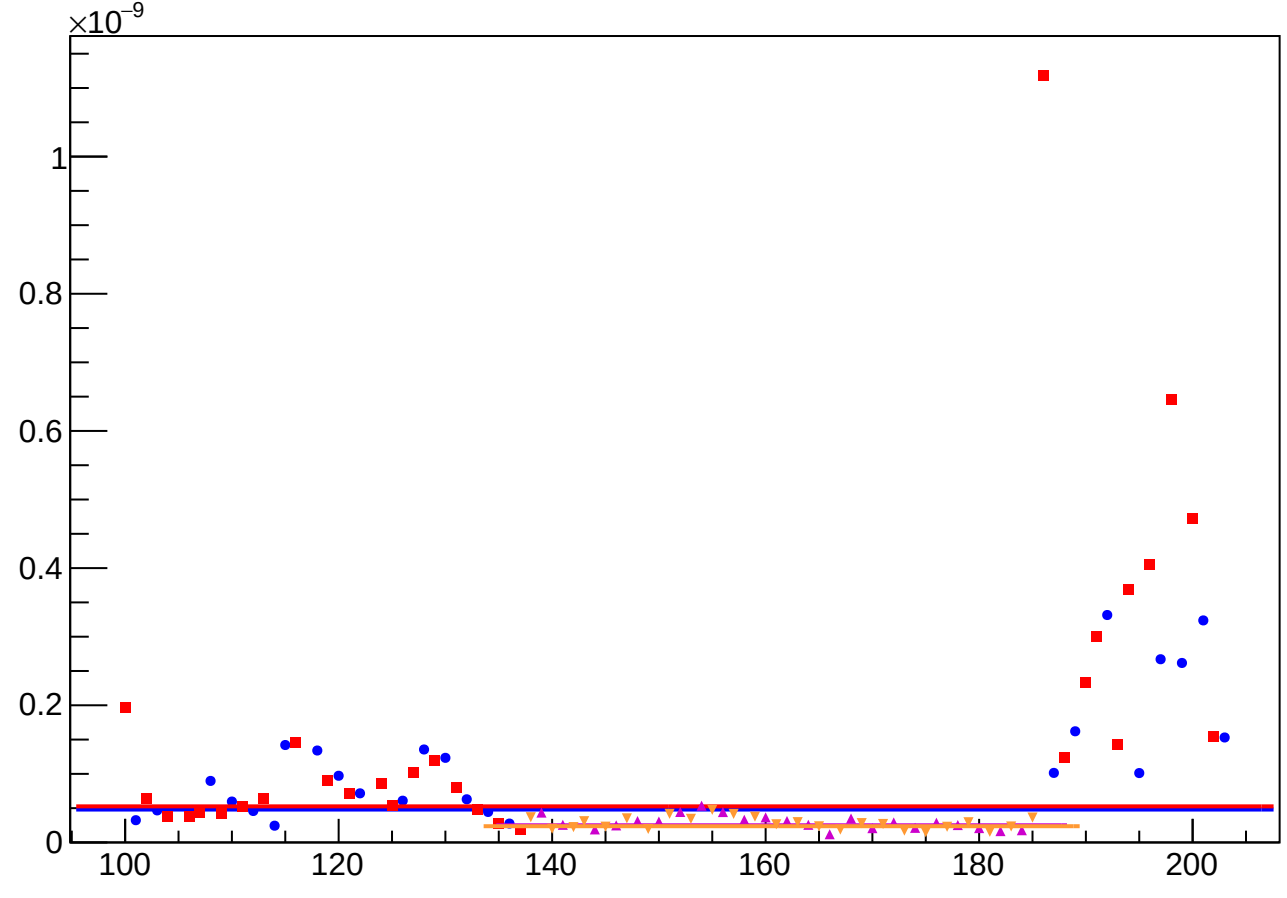
Right: 1507.256+/-0.224 χ^2/NDF: 9941553.5/52

In: 1209.765+/-0.161 χ^2/NDF:6118785.0/46

Out: 1198.725+/-0.155 χ^2/NDF:7856438.7/53

All: 1204.050+/-0.112 χ^2/NDF: 13977661.6/1


asym_sam_48_avg_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
4
3
2
1
0
−1
−2
−3
100
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 46.0/23
Left Out: -0.000+/-0.000 χ²/NDF:26.5/24
Right Out: -0.000+/-0.000 χ²/NDF: 14.5/28
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: 60.8/52
In: 0.000+/-0.000 χ²/NDF:73.1/46
Out: -0.000+/-0.000 χ²/NDF:41.0/53
All: -0.000+/-0.000 χ²/NDF: 119.7/100



Right In: 0.000+/-0.000 χ^2/NDF: 4255691.9/23

Left Out: 0.000+/-0.000 χ^2/NDF:1433511.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 5068909.5/28

Left In: 0.000+/-0.000 χ^2/NDF:1544727.7/22

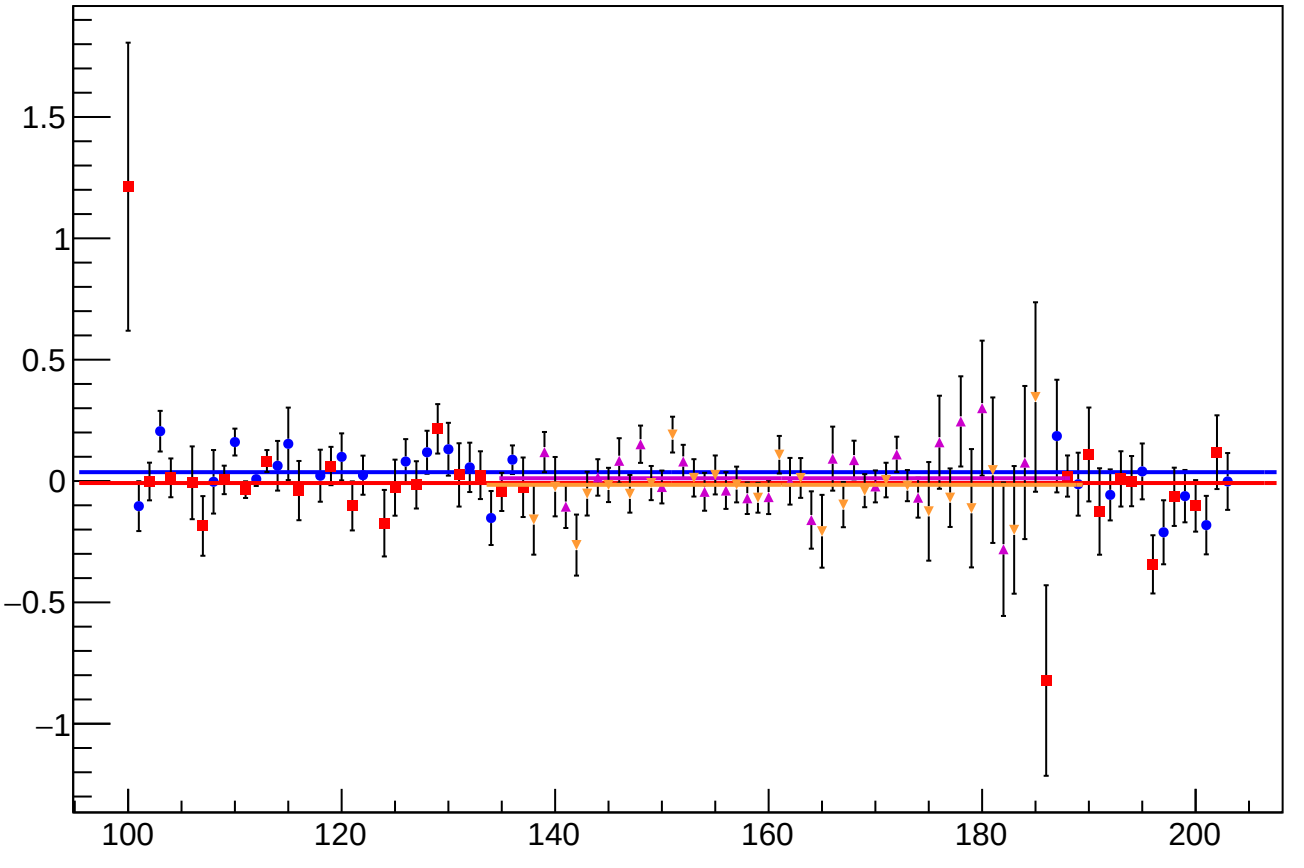
Left: 0.000+/-0.000 χ^2/NDF: 2998078.9/47

Right: 0.000+/-0.000 χ^2/NDF: 9353814.4/52

In: 0.000+/-0.000 χ^2/NDF:7129559.3/46

Out: 0.000+/-0.000 χ^2/NDF:8412235.7/53

All: 0.000+/-0.000 χ^2/NDF: 15570891.5/100



Right In: 0.037+/-0.016 χ^2/NDF: 27.8/23

Left Out: -0.016+/-0.018 χ^2/NDF:21.6/24

Right Out: -0.008+/-0.016 χ^2/NDF: 34.3/28

Left In: 0.011+/-0.018 χ^2/NDF:23.3/22

Left: -0.002+/-0.013 χ^2/NDF: 46.1/47

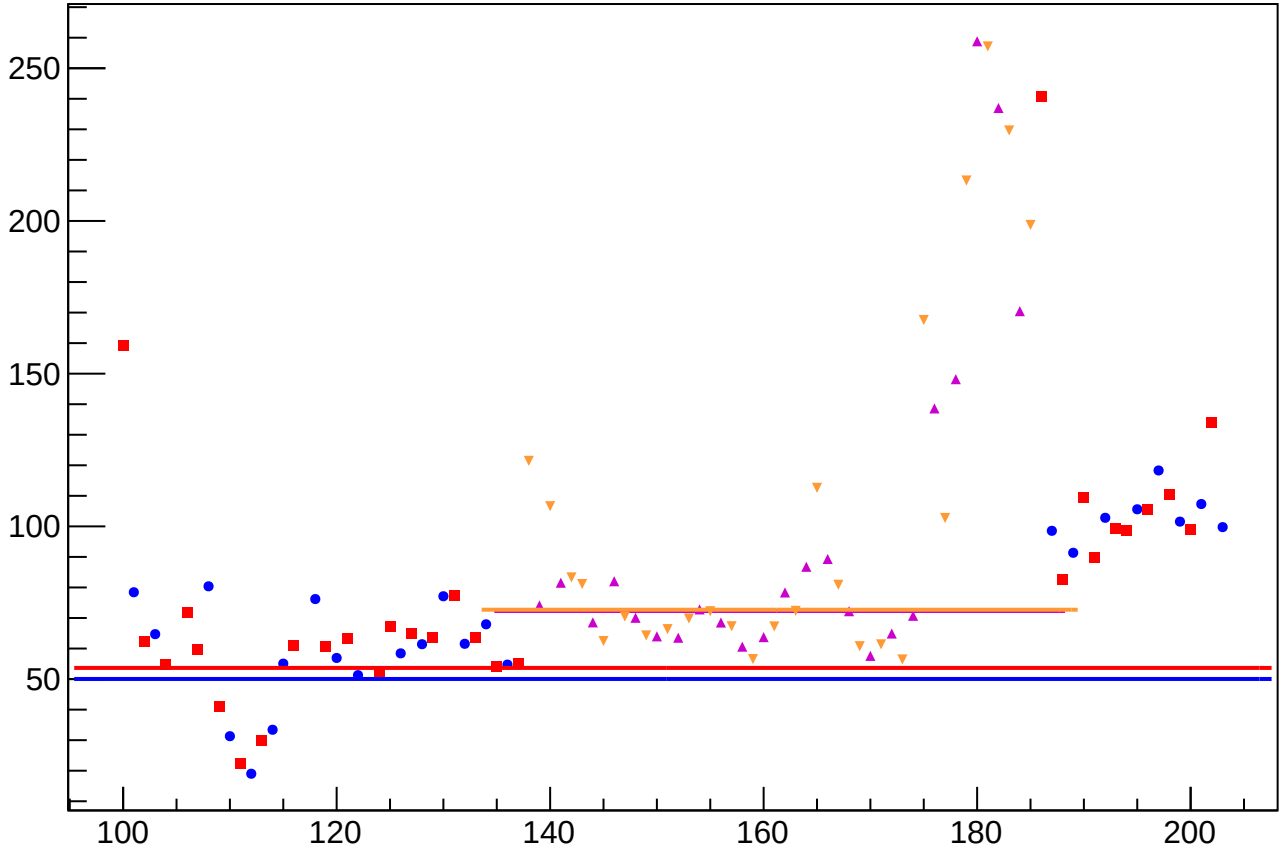
Right: 0.014+/-0.012 χ^2/NDF: 65.8/52

In: 0.025+/-0.012 χ^2/NDF:52.2/46

Out: -0.012+/-0.012 χ^2/NDF:56.0/53

All: 0.007+/-0.009 χ^2/NDF: 112.8/100

asym_sam_48_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 50.040+/-0.012 χ^2/NDF: 6492879.3/23

Left Out: 72.715+/-0.013 χ^2/NDF:3961158.6/24

Right Out: 53.657+/-0.012 χ^2/NDF: 6032117.0/28

Left In: 72.298+/-0.013 χ^2/NDF:2790214.3/22

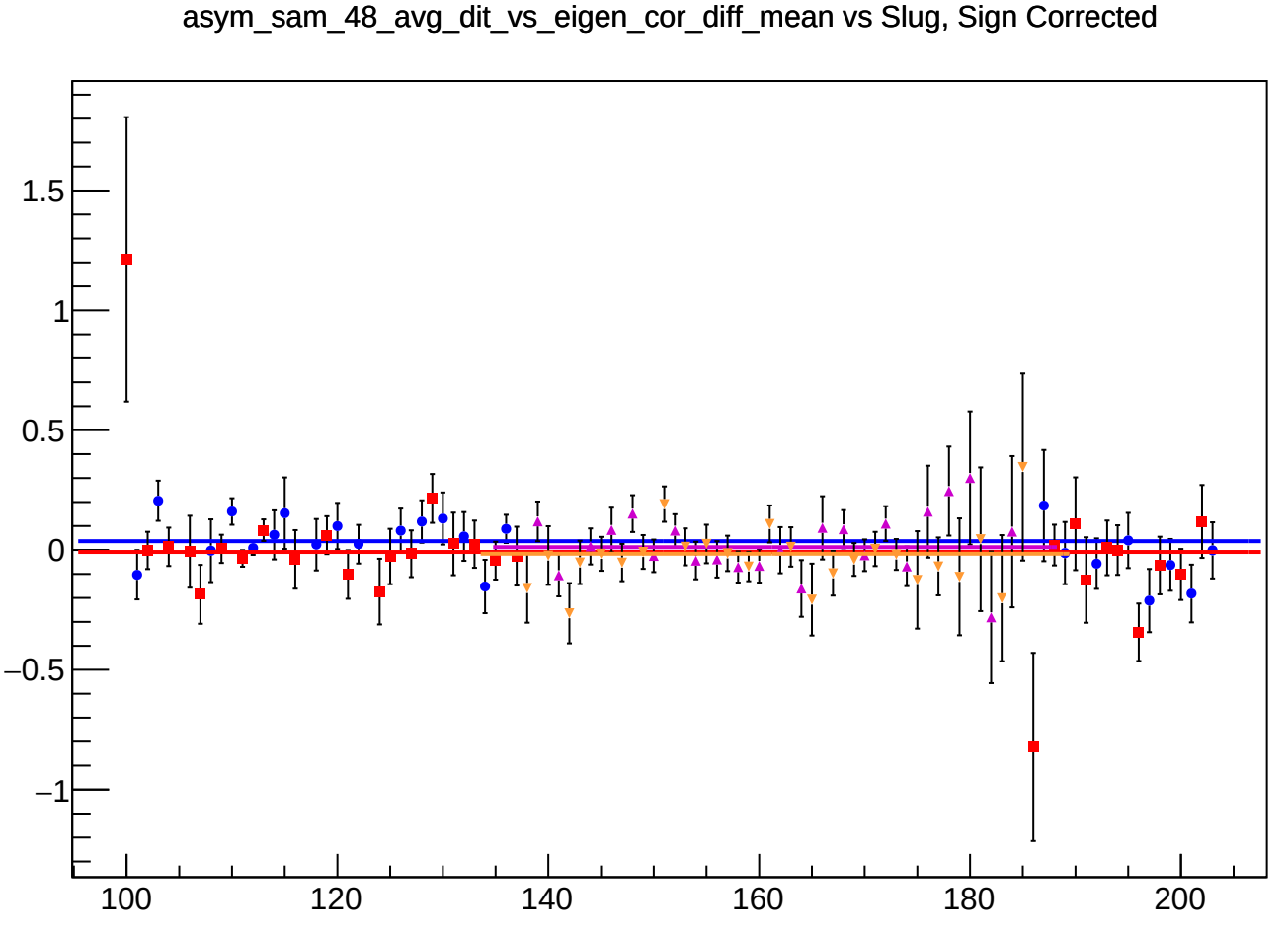
Left: 72.510+/-0.009 χ^2/NDF: 6751905.2/47

Right: 51.863+/-0.008 χ^2/NDF: 12573747.0/52

In: 60.015+/-0.009 χ^2/NDF:10923926.7/46

Out: 62.273+/-0.009 χ^2/NDF:11226972.1/53

All: 61.157+/-0.006 χ^2/NDF: 22185463.5/100



Right In: 0.037+/-0.016 χ^2/NDF: 27.8/23

Left Out: -0.016+/-0.018 χ^2/NDF:21.6/24

Right Out: -0.008+/-0.016 χ^2/NDF: 34.3/28

Left In: 0.011+/-0.018 χ^2/NDF:23.3/22

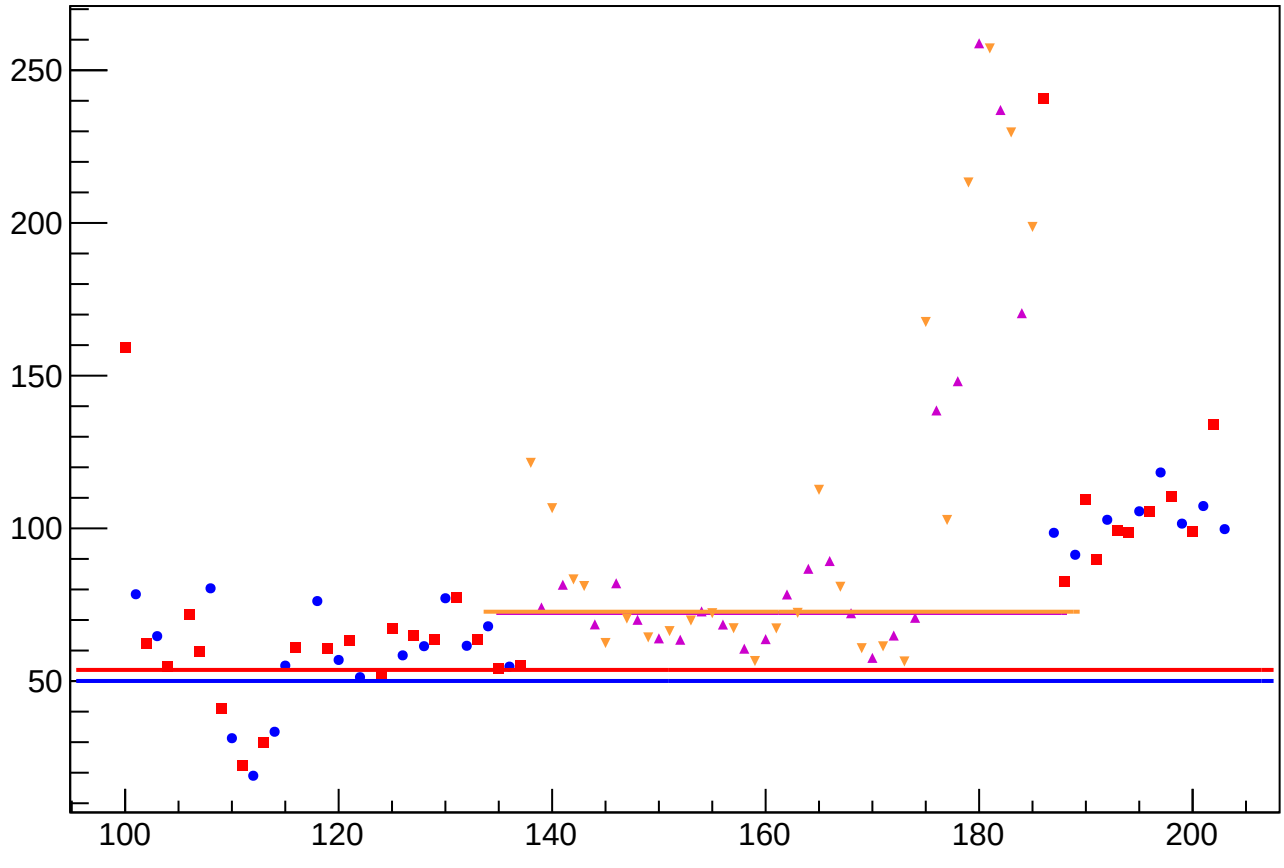
Left: -0.002+/-0.013 χ^2/NDF: 46.1/47

Right: 0.014+/-0.012 χ^2/NDF: 65.8/52

In: 0.025+/-0.012 χ^2/NDF:52.2/46

Out: -0.012+/-0.012 χ^2/NDF:56.0/53

All: 0.007+/-0.009 χ^2/NDF: 112.8/100



Right In: 50.040+/-0.012 χ^2/NDF: 6492879.3/23

Left Out: 72.715+/-0.013 χ^2/NDF:3961158.6/24

Right Out: 53.657+/-0.012 χ^2/NDF: 6032117.0/28

Left In: 72.298+/-0.013 χ^2/NDF:2790214.3/22

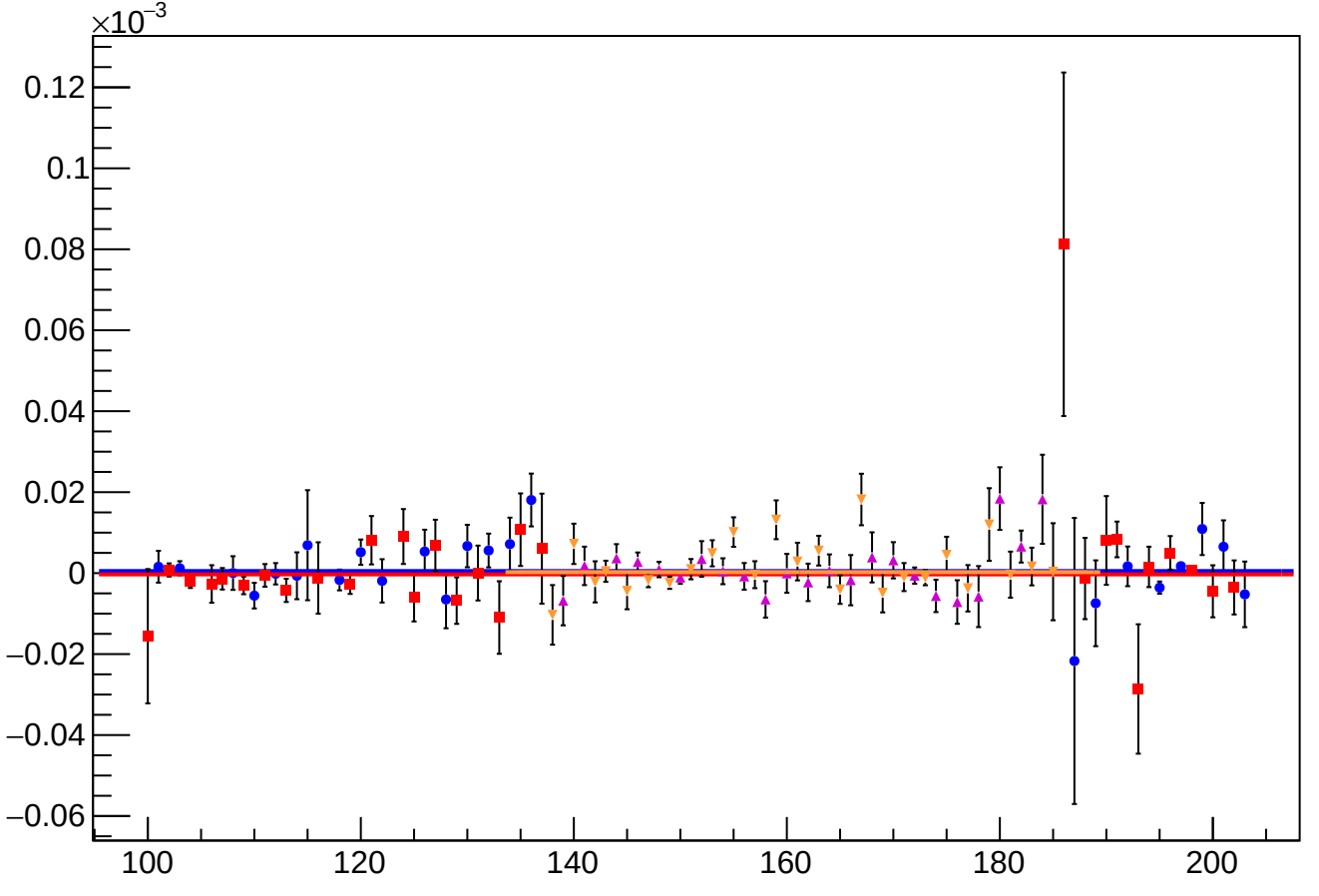
Left: 72.510+/-0.009 χ^2/NDF: 6751905.2/47

Right: 51.863+/-0.008 χ^2/NDF: 12573747.0/52

In: 60.015+/-0.009 χ^2/NDF:10923926.7/46

Out: 62.273+/-0.009 χ^2/NDF:11226972.1/53

All: 61.157+/-0.006 χ^2/NDF: 22185463.5/100



Right In: 0.000+/-0.000 χ^2/NDF: 33.6/23

Left Out: 0.000+/-0.000 χ^2/NDF:43.4/24

Right Out: -0.000+/-0.000 χ^2/NDF: 32.1/28

Left In: 0.000+/-0.000 χ^2/NDF:24.1/22

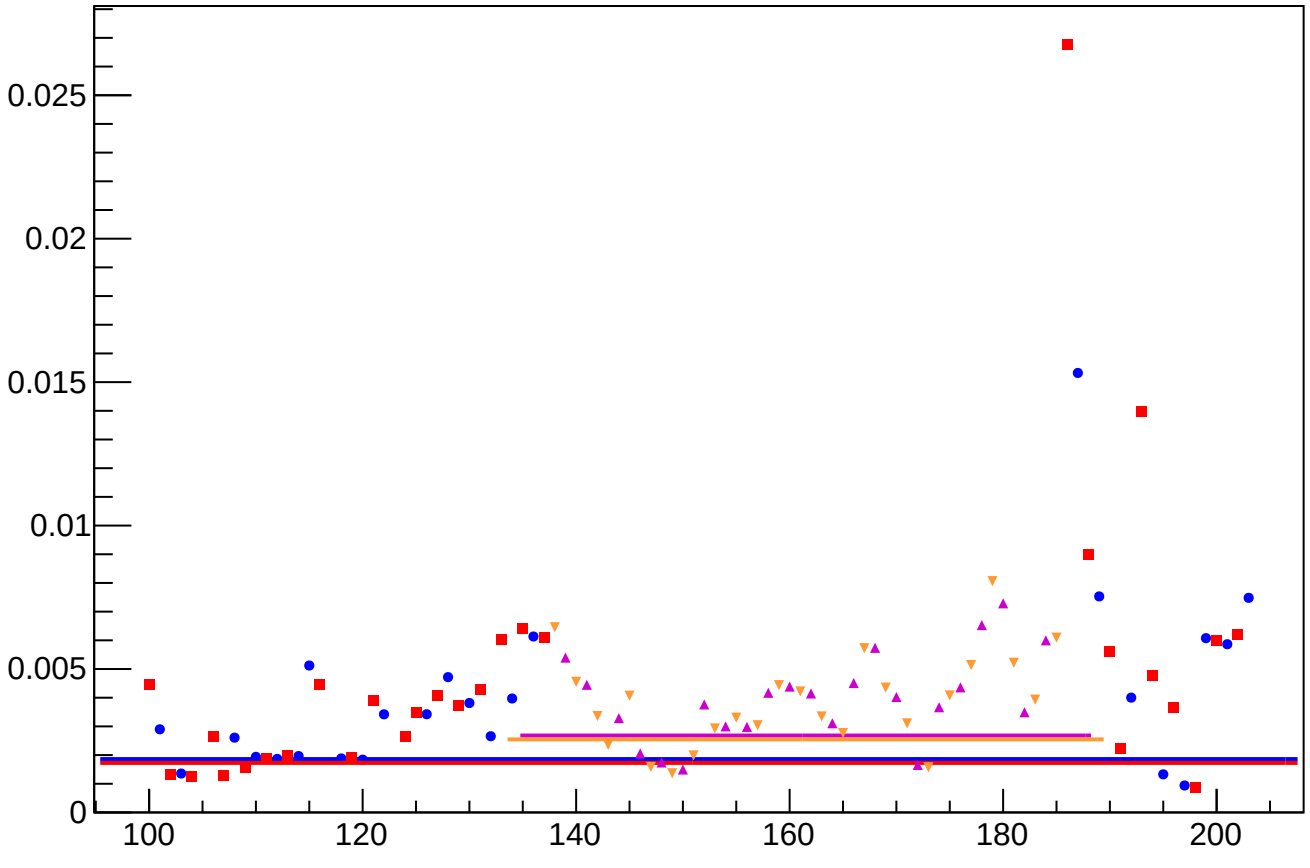
Left: 0.000+/-0.000 χ^2/NDF: 67.4/47

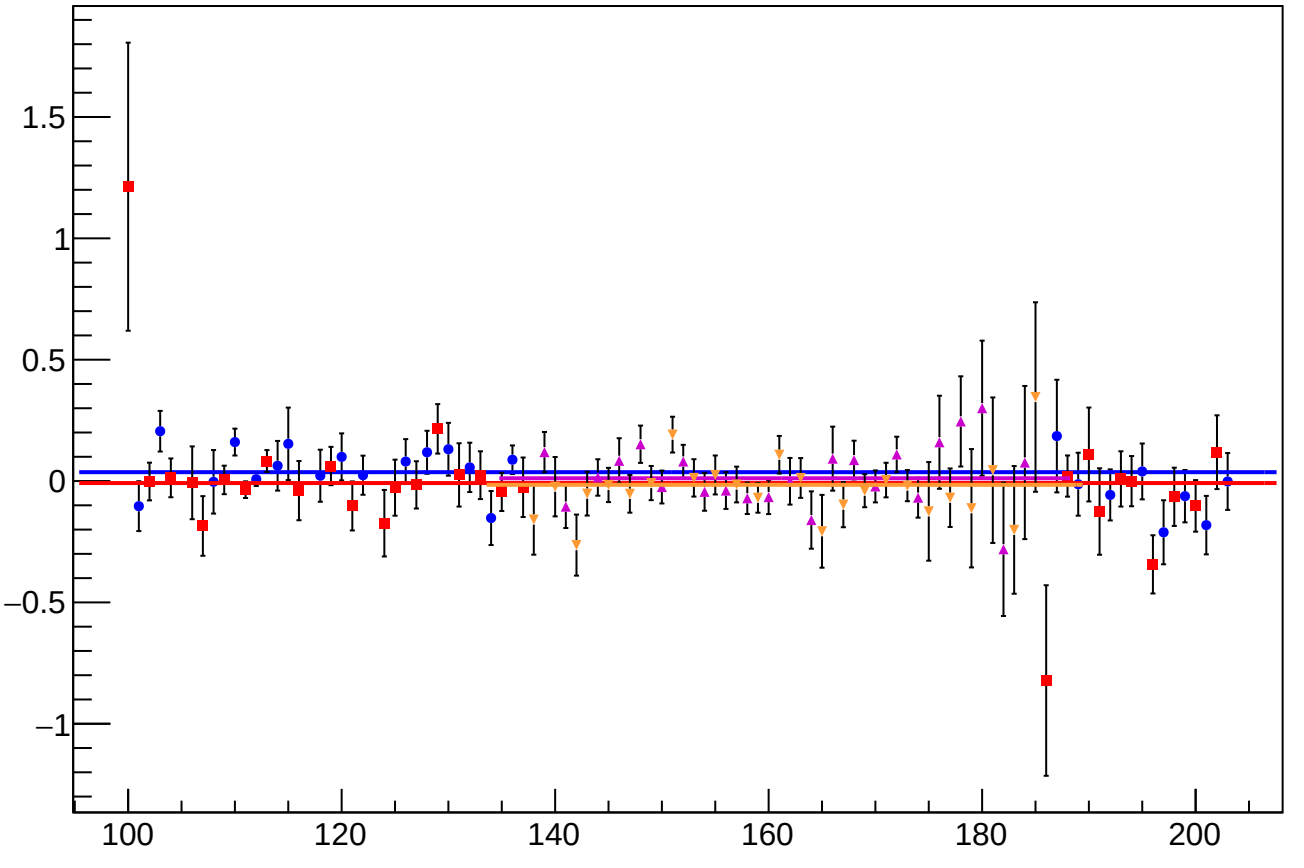
Right: 0.000+/-0.000 χ^2/NDF: 66.5/52

In: 0.000+/-0.000 χ^2/NDF:57.7/46

Out: -0.000+/-0.000 χ^2/NDF:75.8/53

All: 0.000+/-0.000 χ^2/NDF: 134.1/100


asym_sam_48_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected
0.025
0.02
0.015
0.01
0.005
0
100
120
140
160
180
200
Right In: 0.002+/-0.000 χ²/NDF: 7748693.0/23
Left Out: 0.003+/-0.000 χ²/NDF:7499900.9/24
Right Out: 0.002+/-0.000 χ²/NDF: 10777109.0/28
Left In: 0.003+/-0.000 χ²/NDF:6504235.2/22
Left: 0.003+/-0.000 χ²/NDF: 14042947.3/47
Right: 0.002+/-0.000 χ²/NDF: 18572745.8/52
In: 0.002+/-0.000 χ²/NDF:15730318.2/46
Out: 0.002+/-0.000 χ²/NDF:20019153.1/53
All: 0.002+/-0.000 χ²/NDF: 35842265.8/100



Right In: 0.037+/-0.016 χ^2/NDF: 27.8/23

Left Out: -0.016+/-0.018 χ^2/NDF:21.6/24

Right Out: -0.008+/-0.016 χ^2/NDF: 34.3/28

Left In: 0.011+/-0.018 χ^2/NDF:23.3/22

Left: -0.002+/-0.013 χ^2/NDF: 46.1/47

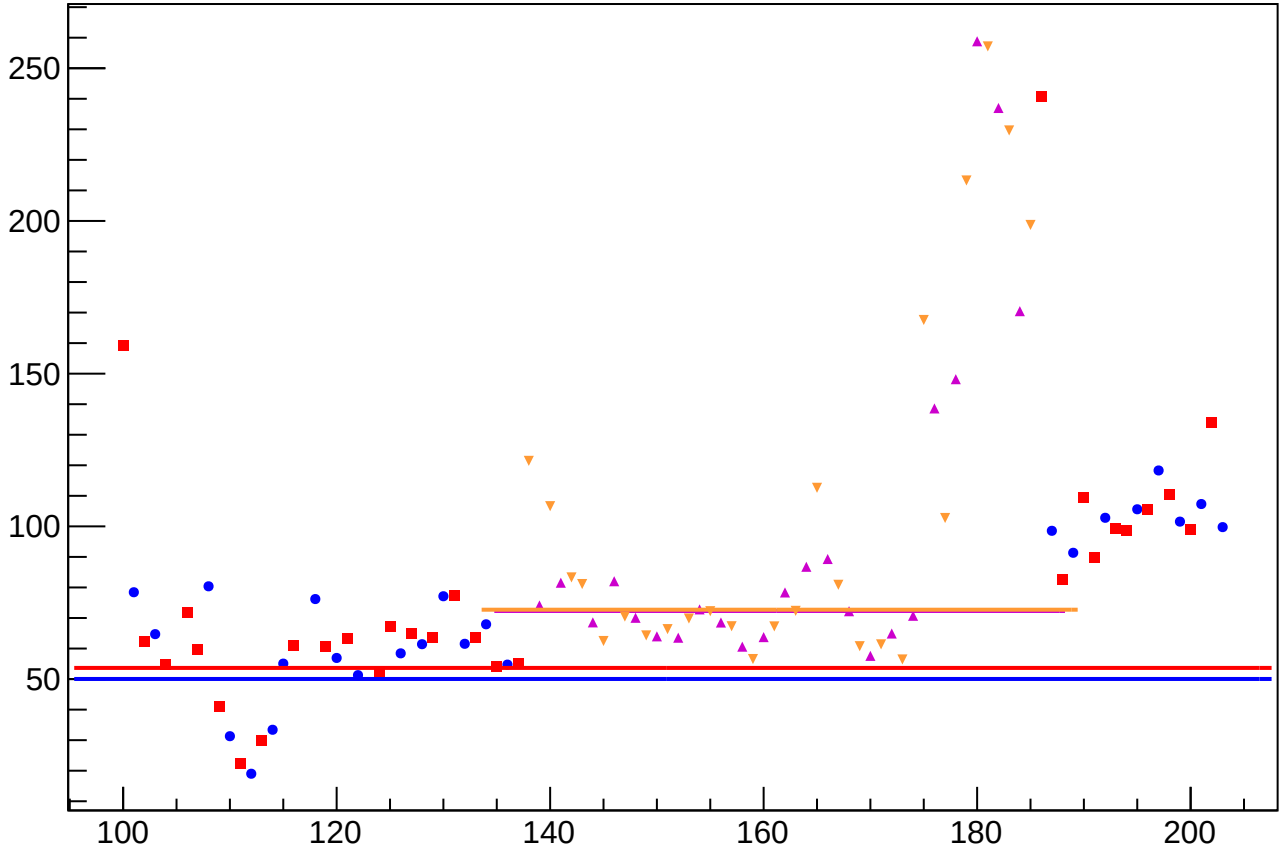
Right: 0.014+/-0.012 χ^2/NDF: 65.8/52

In: 0.025+/-0.012 χ^2/NDF:52.2/46

Out: -0.012+/-0.012 χ^2/NDF:56.0/53

All: 0.007+/-0.009 χ^2/NDF: 112.8/100

asym_sam_48_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 50.039+/-0.012 χ^2/NDF: 6493087.5/23

Left Out: 72.716+/-0.013 χ^2/NDF:3961100.5/24

Right Out: 53.656+/-0.012 χ^2/NDF: 6032401.8/28

Left In: 72.298+/-0.013 χ^2/NDF:2790146.5/22

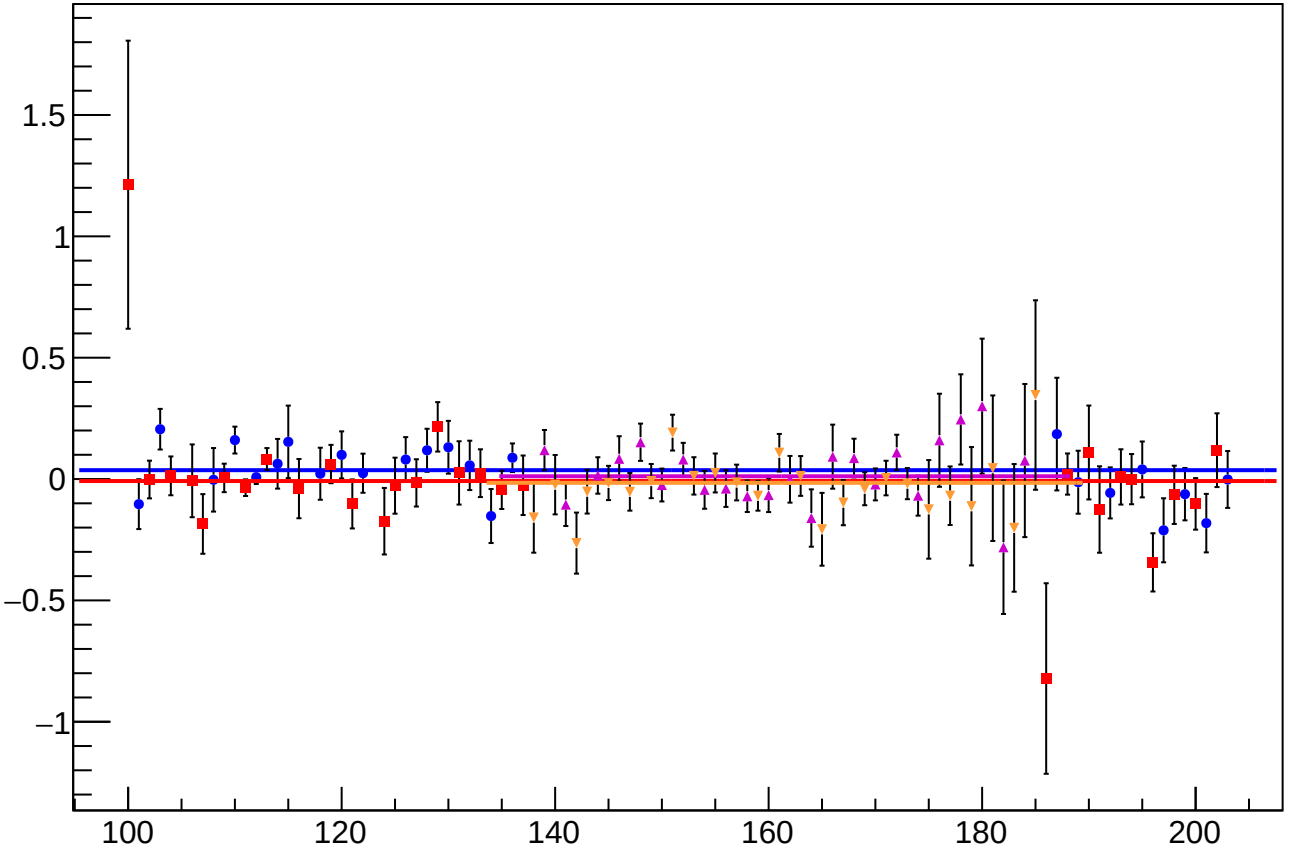
Left: 72.510+/-0.009 χ^2/NDF: 6751779.3/47

Right: 51.862+/-0.008 χ^2/NDF: 12574242.8/52

In: 60.014+/-0.009 χ^2/NDF:10924314.0/46

Out: 62.273+/-0.009 χ^2/NDF:11227405.3/53

All: 61.157+/-0.006 χ^2/NDF: 22186287.7/100



Right In: 0.037+/-0.016 χ^2/NDF: 27.8/23

Left Out: -0.016+/-0.018 χ^2/NDF:21.6/24

Right Out: -0.008+/-0.016 χ^2/NDF: 34.3/28

Left In: 0.011+/-0.018 χ^2/NDF:23.3/22

Left: -0.002+/-0.013 χ^2/NDF: 46.1/47

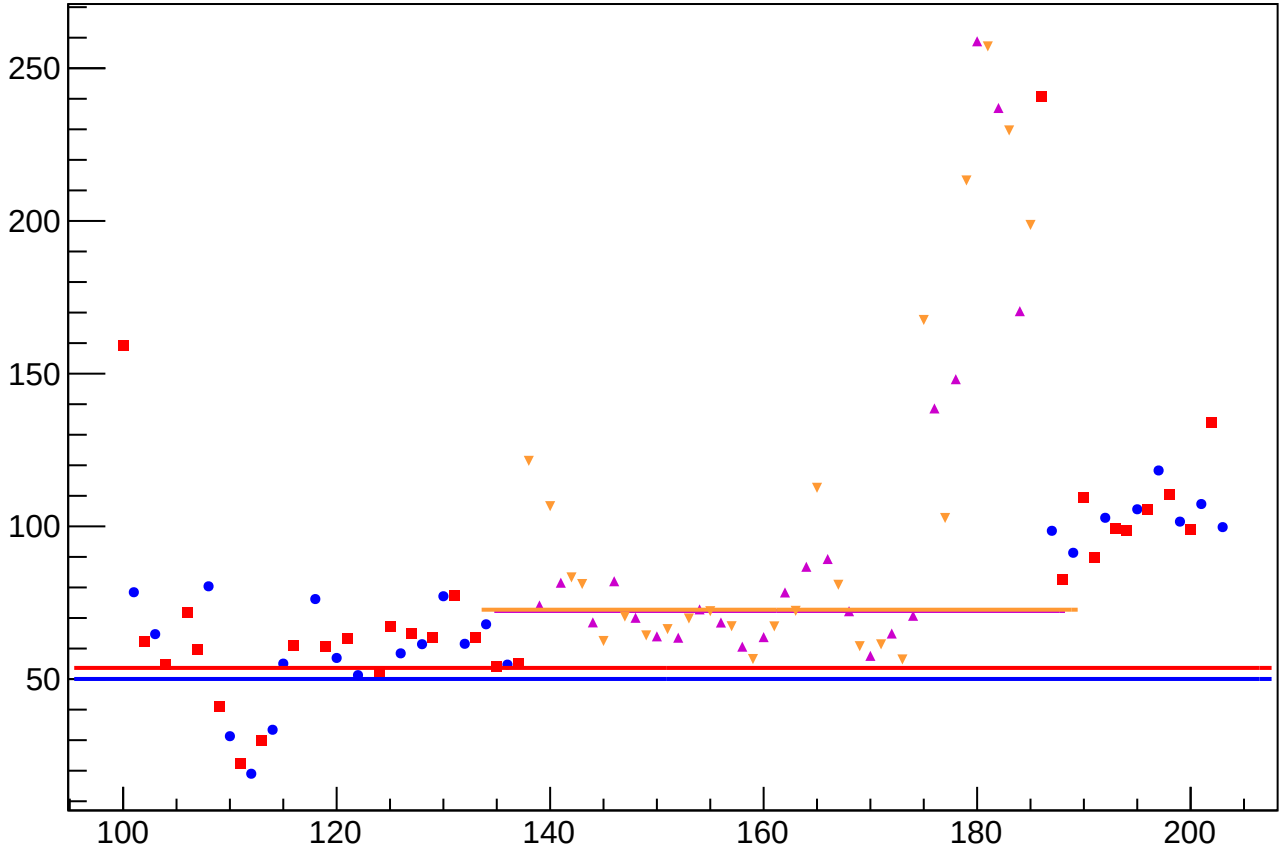
Right: 0.014+/-0.012 χ^2/NDF: 65.8/52

In: 0.025+/-0.012 χ^2/NDF:52.2/46

Out: -0.012+/-0.012 χ^2/NDF:56.0/53

All: 0.007+/-0.009 χ^2/NDF: 112.8/100

asym_sam_48_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 50.039+/-0.012 χ^2/NDF: 6493087.5/23

Left Out: 72.716+/-0.013 χ^2/NDF:3961100.5/24

Right Out: 53.656+/-0.012 χ^2/NDF: 6032401.8/28

Left In: 72.298+/-0.013 χ^2/NDF:2790146.5/22

Left: 72.510+/-0.009 χ^2/NDF: 6751779.3/47

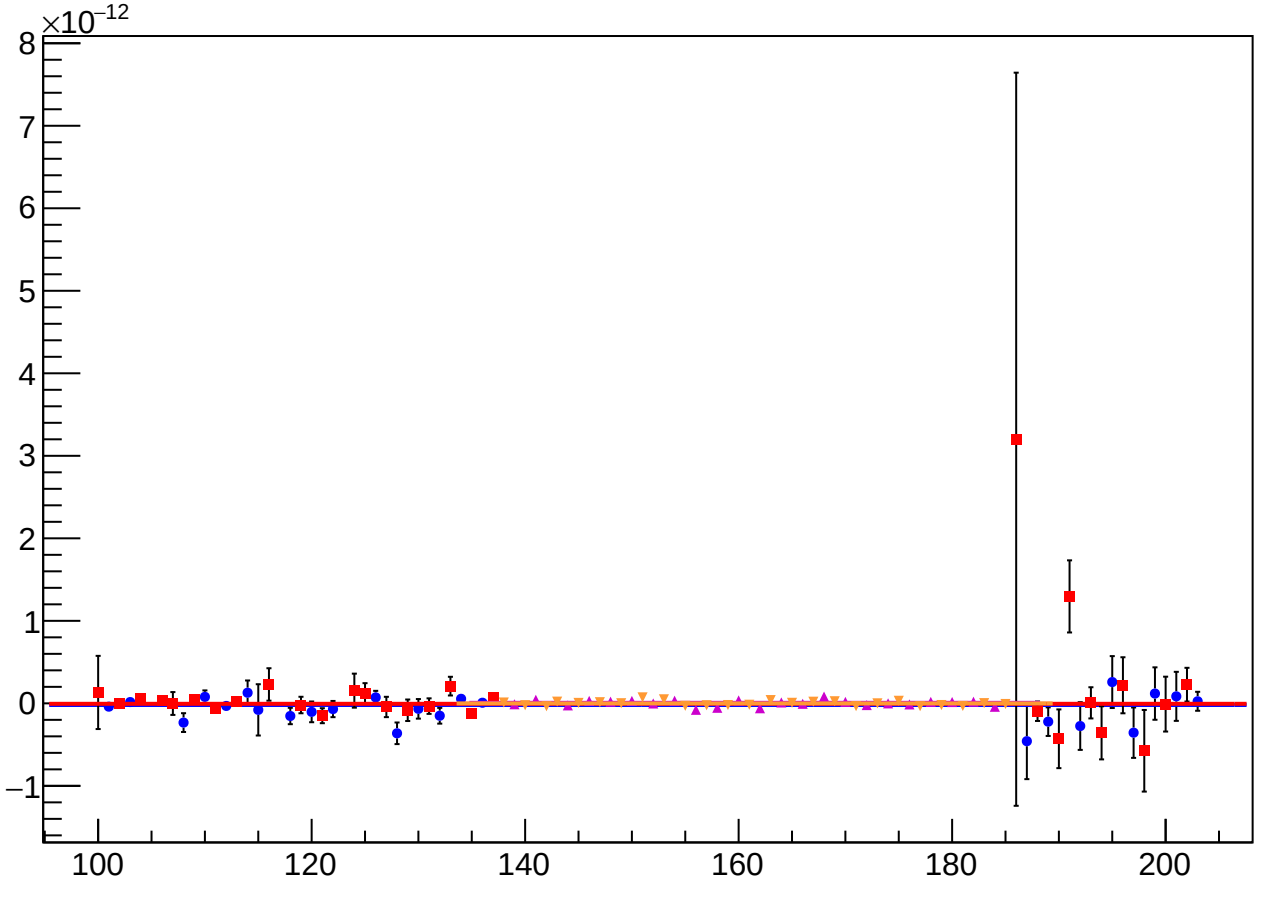
Right: 51.862+/-0.008 χ^2/NDF: 12574242.8/52

In: 60.014+/-0.009 χ^2/NDF:10924314.0/46

Out: 62.273+/-0.009 χ^2/NDF:11227405.3/53

All: 61.157+/-0.006 χ^2/NDF: 22186287.7/100

asym_sam_48_avg_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.000 χ^2/NDF: 28.5/23

Left Out: -0.000+/-0.000 χ^2/NDF:27.9/24

Right Out: -0.000+/-0.000 χ^2/NDF: 38.9/28

Left In: 0.000+/-0.000 χ^2/NDF:38.3/22

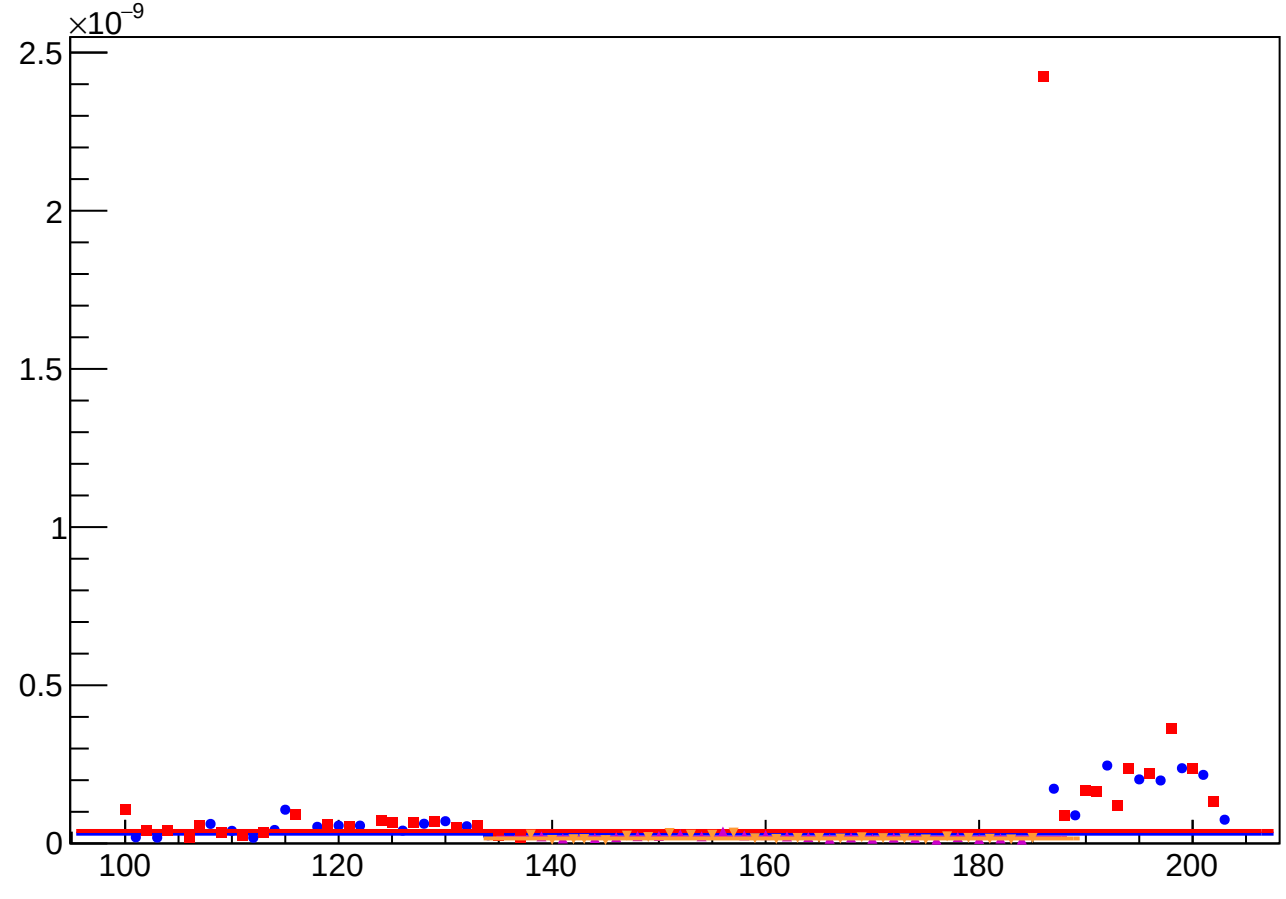
Left: 0.000+/-0.000 χ^2/NDF: 67.2/47

Right: -0.000+/-0.000 χ^2/NDF: 67.9/52

In: 0.000+/-0.000 χ^2/NDF:69.7/46

Out: -0.000+/-0.000 χ^2/NDF:66.9/53

All: 0.000+/-0.000 χ^2/NDF: 137.1/100



Right In: 0.000+/-0.000 χ^2/NDF: 6563430.9/23

Left Out: 0.000+/-0.000 χ^2/NDF:2331257.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 6844289.0/28

Left In: 0.000+/-0.000 χ^2/NDF:1621439.8/22

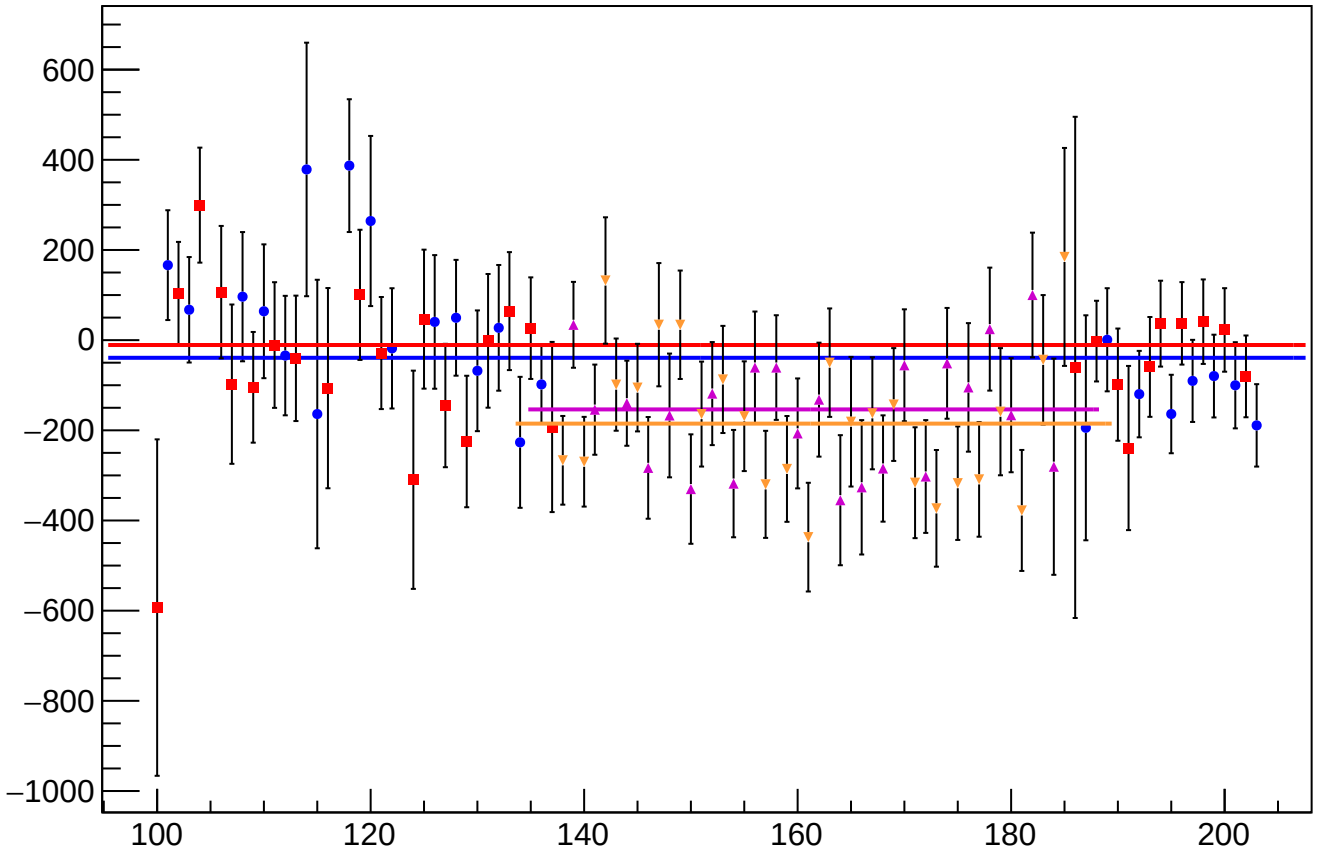
Left: 0.000+/-0.000 χ^2/NDF: 4185951.3/47

Right: 0.000+/-0.000 χ^2/NDF: 13719126.3/52

In: 0.000+/-0.000 χ^2/NDF:9601523.1/46

Out: 0.000+/-0.000 χ^2/NDF:13044109.2/53

All: 0.000+/-0.000 χ^2/NDF: 22851199.3/100



Right In: -39.144+/-24.652 χ^2/NDF: 28.5/23

Left Out: -185.146+/-24.452 χ^2/NDF:33.1/24

Right Out: -10.781+/-23.692 χ^2/NDF: 21.6/28

Left In: -153.627+/-25.538 χ^2/NDF:23.5/22

Left: -170.071+/-17.662 χ^2/NDF: 57.4/47

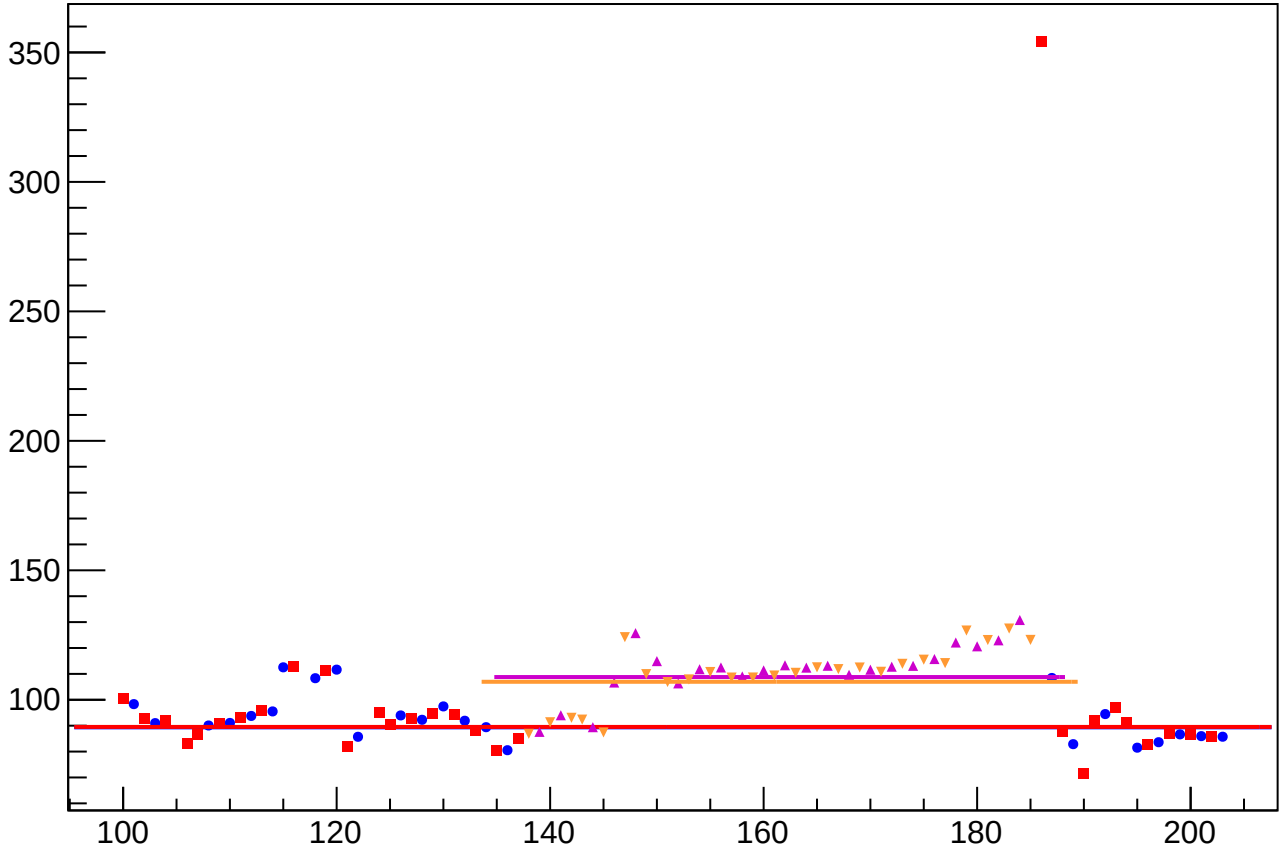
Right: -24.400+/-17.082 χ^2/NDF: 50.8/52

In: -94.364+/-17.736 χ^2/NDF:62.4/46

Out: -95.210+/-17.015 χ^2/NDF:80.9/53

All: -94.805+/-12.279 χ^2/NDF: 143.3/100

reg_asym_sam_15_dd_rms vs Slug, Sign Corrected



Right In: 89.355+/-0.017 χ^2/NDF: 177184.0/23

Left Out: 106.954+/-0.017 χ^2/NDF:464271.3/24

Right Out: 89.518+/-0.017 χ^2/NDF: 635281.2/28

Left In: 108.781+/-0.018 χ^2/NDF:358436.3/22

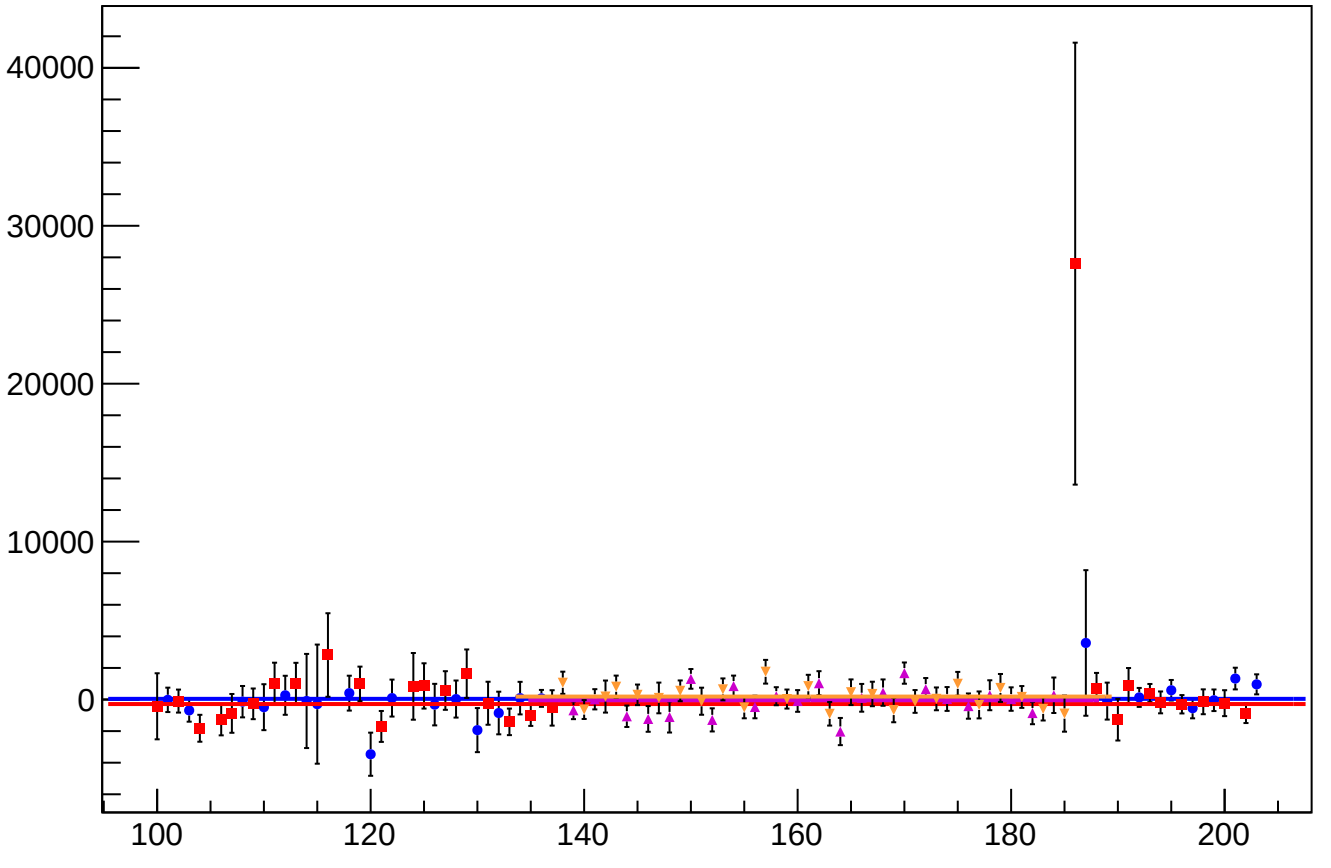
Left: 107.828+/-0.012 χ^2/NDF: 828045.2/47

Right: 89.440+/-0.012 χ^2/NDF: 812511.0/52

In: 98.725+/-0.013 χ^2/NDF:1134652.4/46

Out: 97.961+/-0.012 χ^2/NDF:1624047.4/53

All: 98.327+/-0.009 χ^2/NDF: 2760632.3/100



Right In: 43.060+/-182.809 χ^2/NDF: 18.3/23

Left Out: 186.456+/-148.819 χ^2/NDF:19.1/24

Right Out: -285.981+/-175.773 χ^2/NDF: 26.4/28

Left In: -43.249+/-152.059 χ^2/NDF:33.7/22

Left: 74.077+/-106.358 χ^2/NDF: 53.9/47

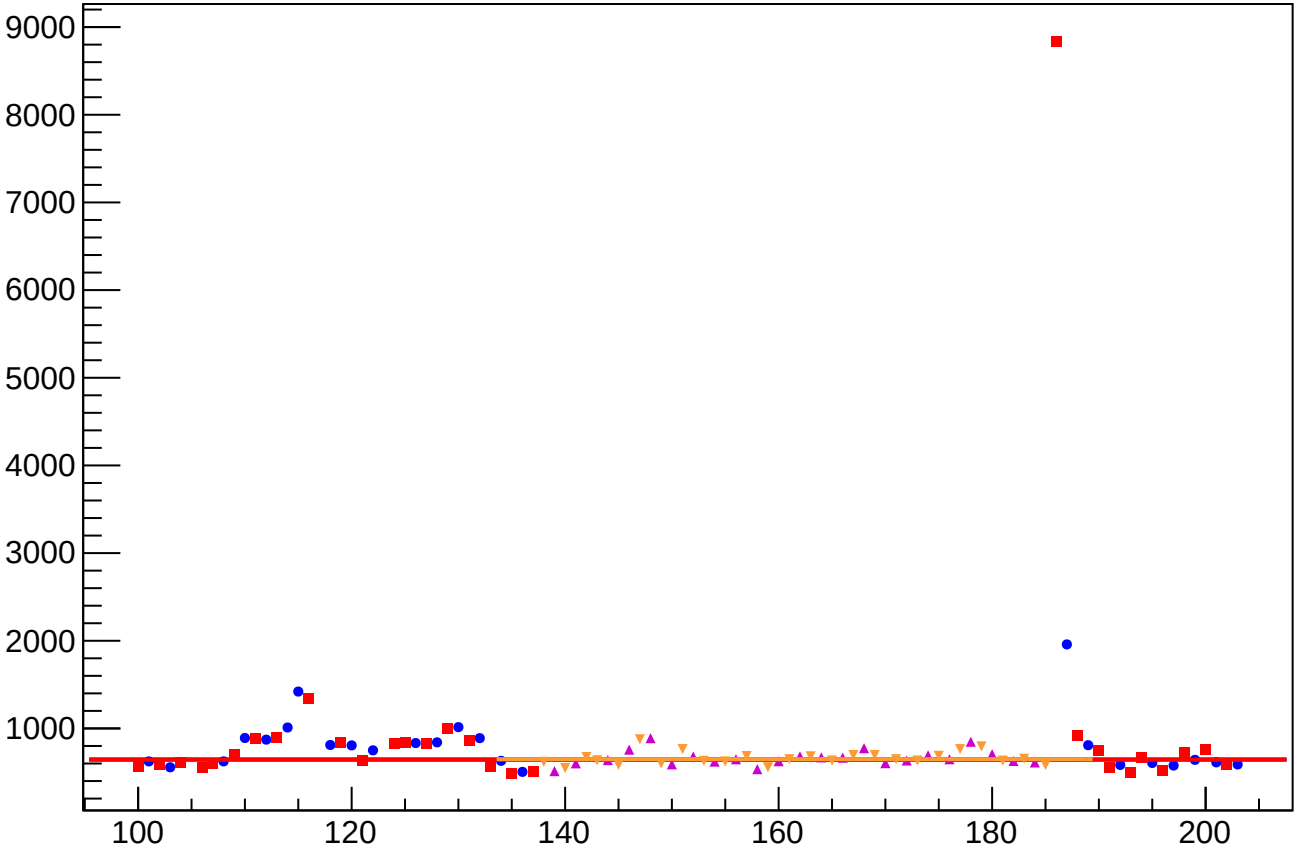
Right: -127.915+/-126.705 χ^2/NDF: 46.4/52

In: -7.954+/-116.904 χ^2/NDF:52.1/46

Out: -10.801+/-113.578 χ^2/NDF:49.7/53

All: -9.418+/-81.462 χ^2/NDF: 101.8/100

asym_sam_15_dd_reg_correction_rms vs Slug, Sign Corrected



Right In: 646.527+/-0.129 χ^2/NDF: 1073995.9/23

Left Out: 649.189+/-0.105 χ^2/NDF:418364.7/24

Right Out: 643.069+/-0.124 χ^2/NDF: 1966412.7/28

Left In: 644.072+/-0.108 χ^2/NDF:559119.9/22

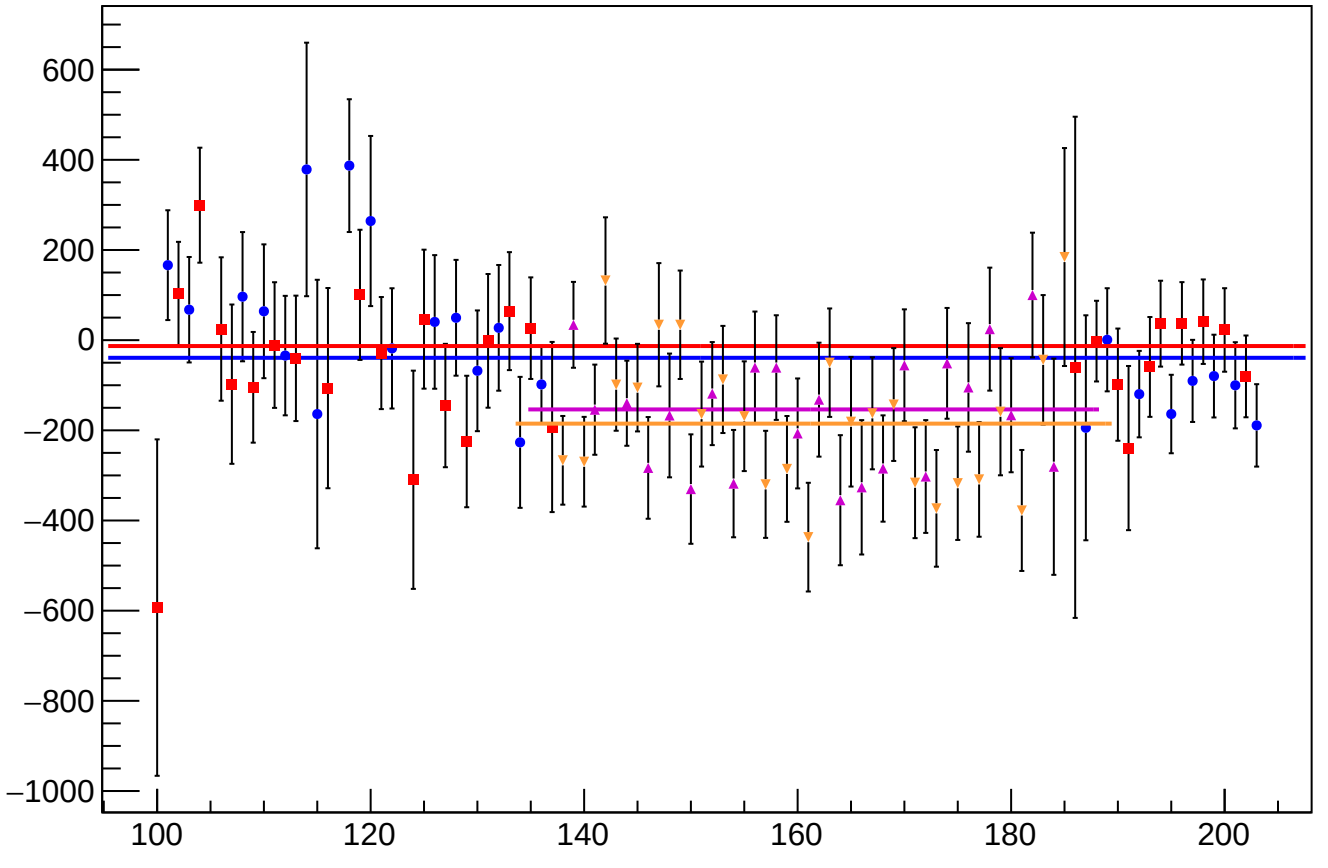
Left: 646.686+/-0.075 χ^2/NDF: 978641.3/47

Right: 644.730+/-0.090 χ^2/NDF: 3040780.3/52

In: 645.076+/-0.083 χ^2/NDF:1633328.8/46

Out: 646.634+/-0.080 χ^2/NDF:2386189.6/53

All: 645.877+/-0.058 χ^2/NDF: 4019701.1/100



Right In: -39.138+/-24.652 χ^2/NDF: 28.5/23

Left Out: -185.148+/-24.452 χ^2/NDF:33.0/24

Right Out: -13.055+/-23.737 χ^2/NDF: 21.0/28

Left In: -153.632+/-25.538 χ^2/NDF:23.5/22

Left: -170.074+/-17.662 χ^2/NDF: 57.4/47

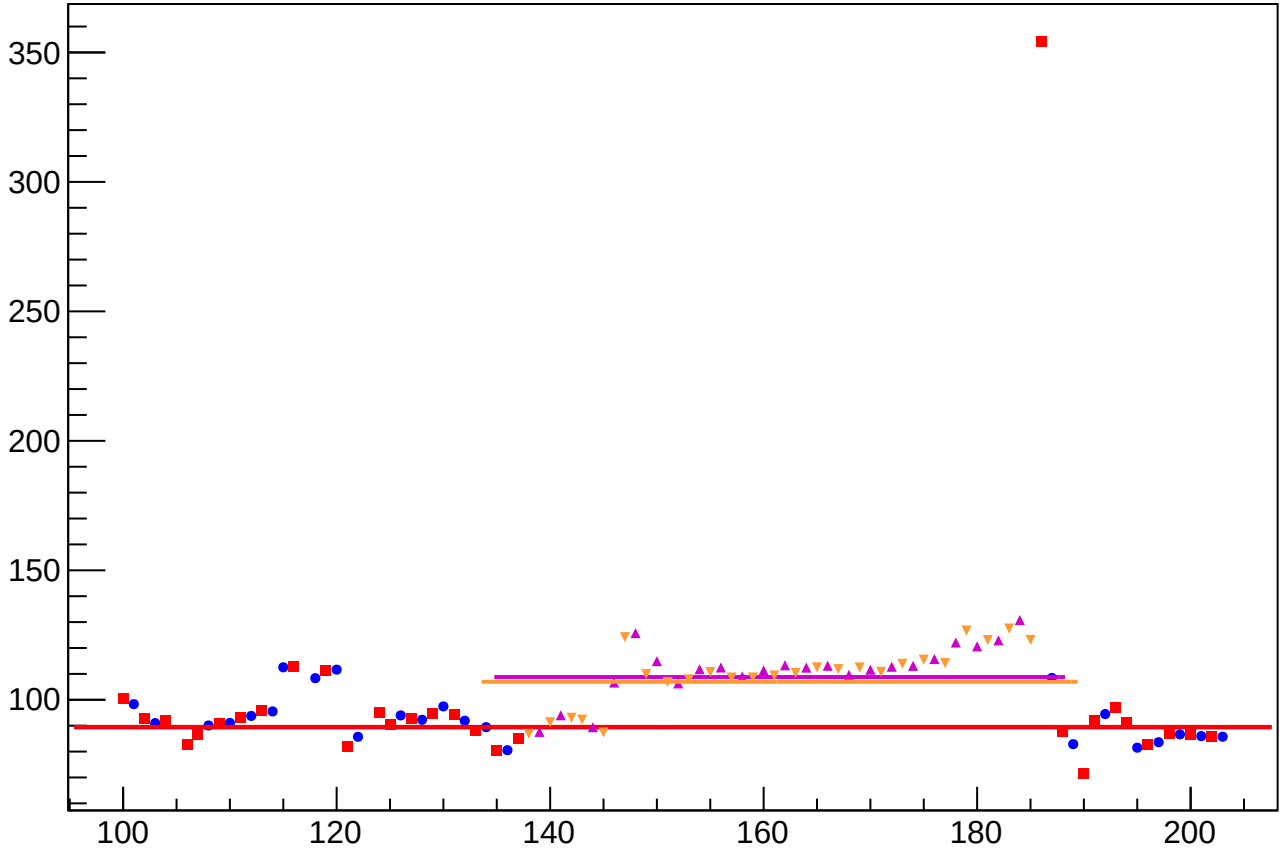
Right: -25.604+/-17.099 χ^2/NDF: 50.1/52

In: -94.364+/-17.736 χ^2/NDF:62.4/46

Out: -96.549+/-17.032 χ^2/NDF:79.6/53

All: -95.501+/-12.285 χ^2/NDF: 142.0/100

cor_asym_sam_15_dd_rms vs Slug, Sign Corrected



Right In: 89.355+/-0.017 χ^2/NDF: 177184.0/23

Left Out: 106.954+/-0.017 χ^2/NDF:464271.4/24

Right Out: 89.531+/-0.017 χ^2/NDF: 635303.5/28

Left In: 108.781+/-0.018 χ^2/NDF:358436.4/22

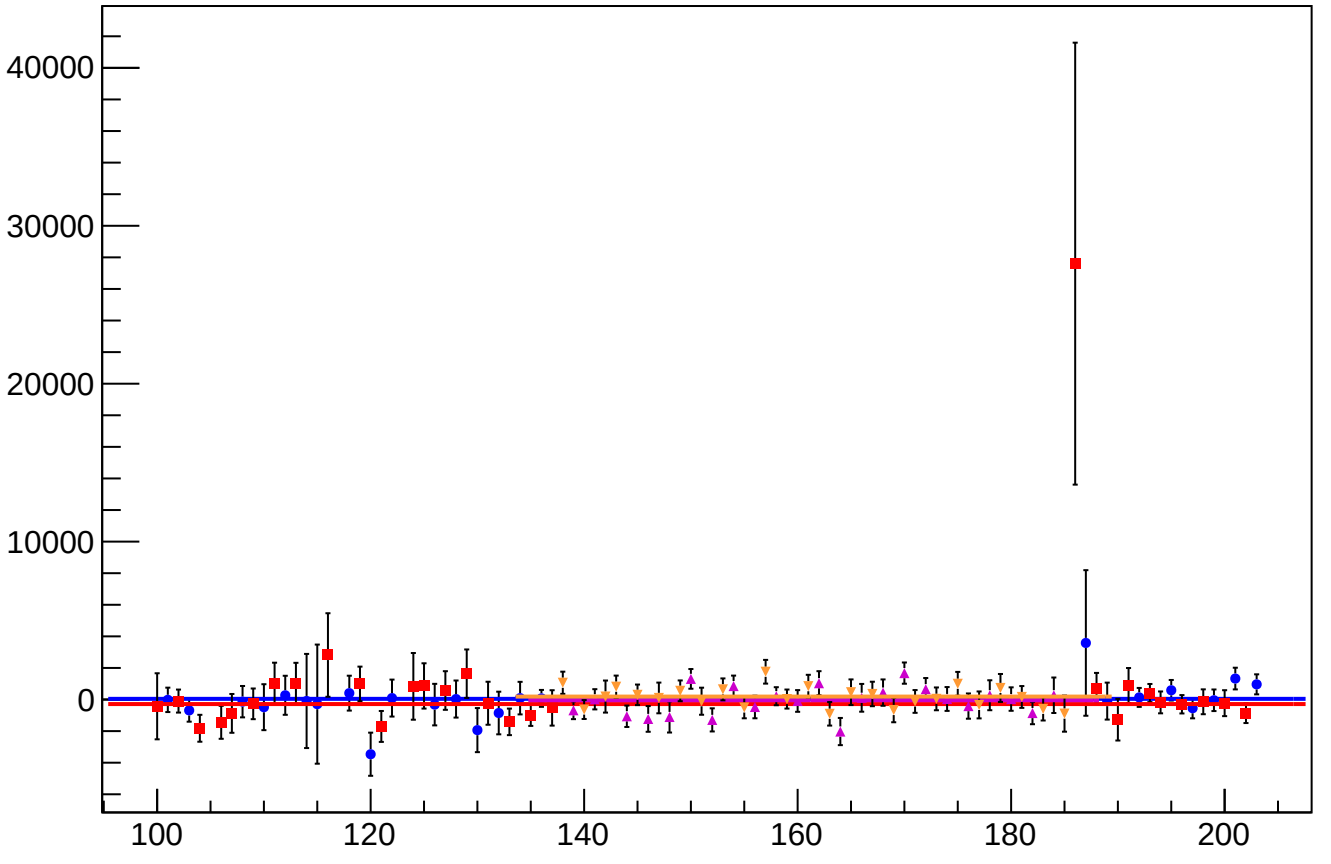
Left: 107.828+/-0.012 χ^2/NDF: 828045.3/47

Right: 89.446+/-0.012 χ^2/NDF: 812540.4/52

In: 98.725+/-0.013 χ^2/NDF:1134652.4/46

Out: 97.984+/-0.012 χ^2/NDF:1622350.7/53

All: 98.339+/-0.009 χ^2/NDF: 2758818.6/100



Right In: 43.061+/-182.809 χ^2/NDF: 18.3/23

Left Out: 186.450+/-148.819 χ^2/NDF:19.1/24

Right Out: -287.288+/-176.064 χ^2/NDF: 26.7/28

Left In: -43.251+/-152.059 χ^2/NDF:33.7/22

Left: 74.072+/-106.358 χ^2/NDF: 53.9/47

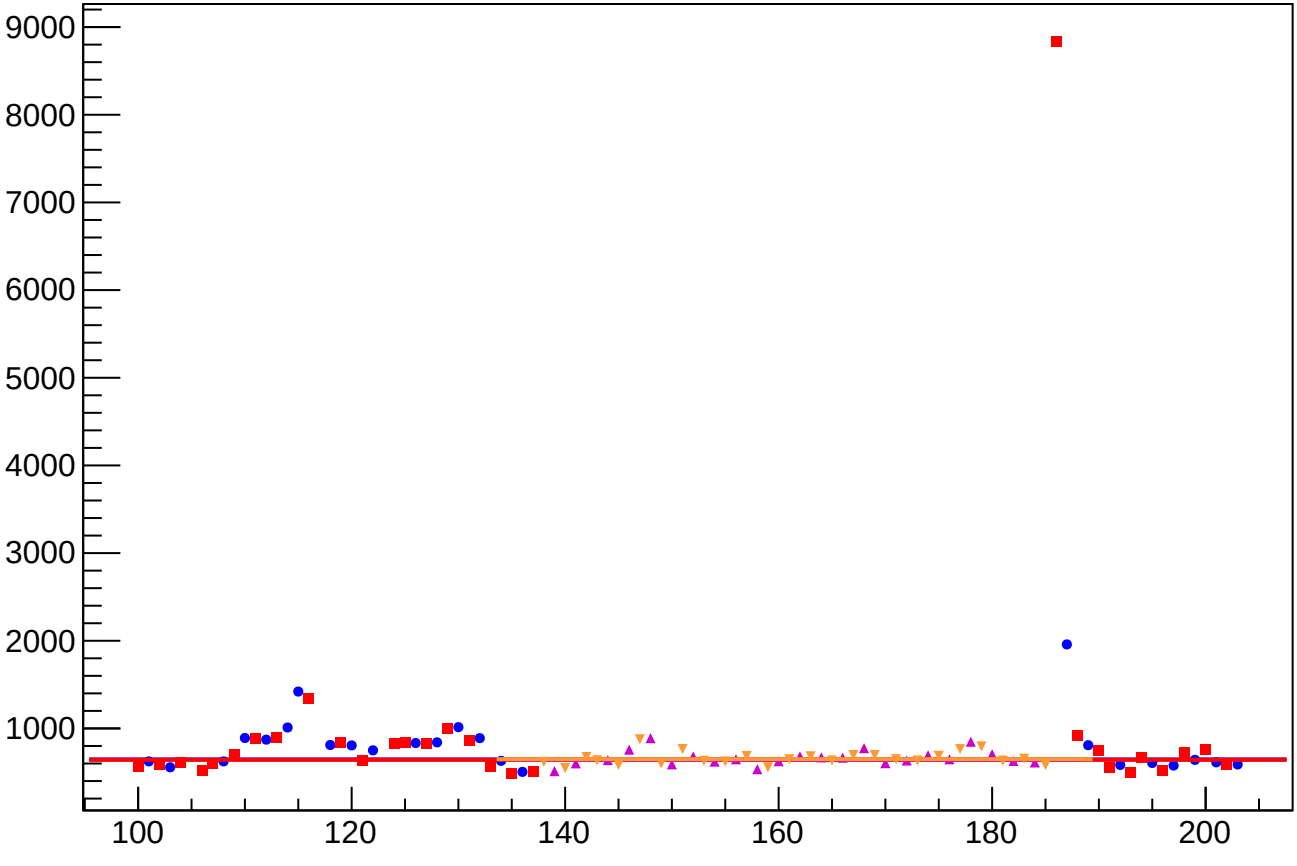
Right: -128.321+/-126.813 χ^2/NDF: 46.6/52

In: -7.955+/-116.904 χ^2/NDF:52.1/46

Out: -10.970+/-113.657 χ^2/NDF:49.9/53

All: -9.505+/-81.491 χ^2/NDF: 102.1/100

asym_sam_15_dd_cor_correction_rms vs Slug, Sign Corrected



Right In: 646.527+/-0.129 χ^2/NDF: 1073996.0/23

Left Out: 649.189+/-0.105 χ^2/NDF:418365.4/24

Right Out: 642.582+/-0.124 χ^2/NDF: 1975486.1/28

Left In: 644.072+/-0.108 χ^2/NDF:559121.0/22

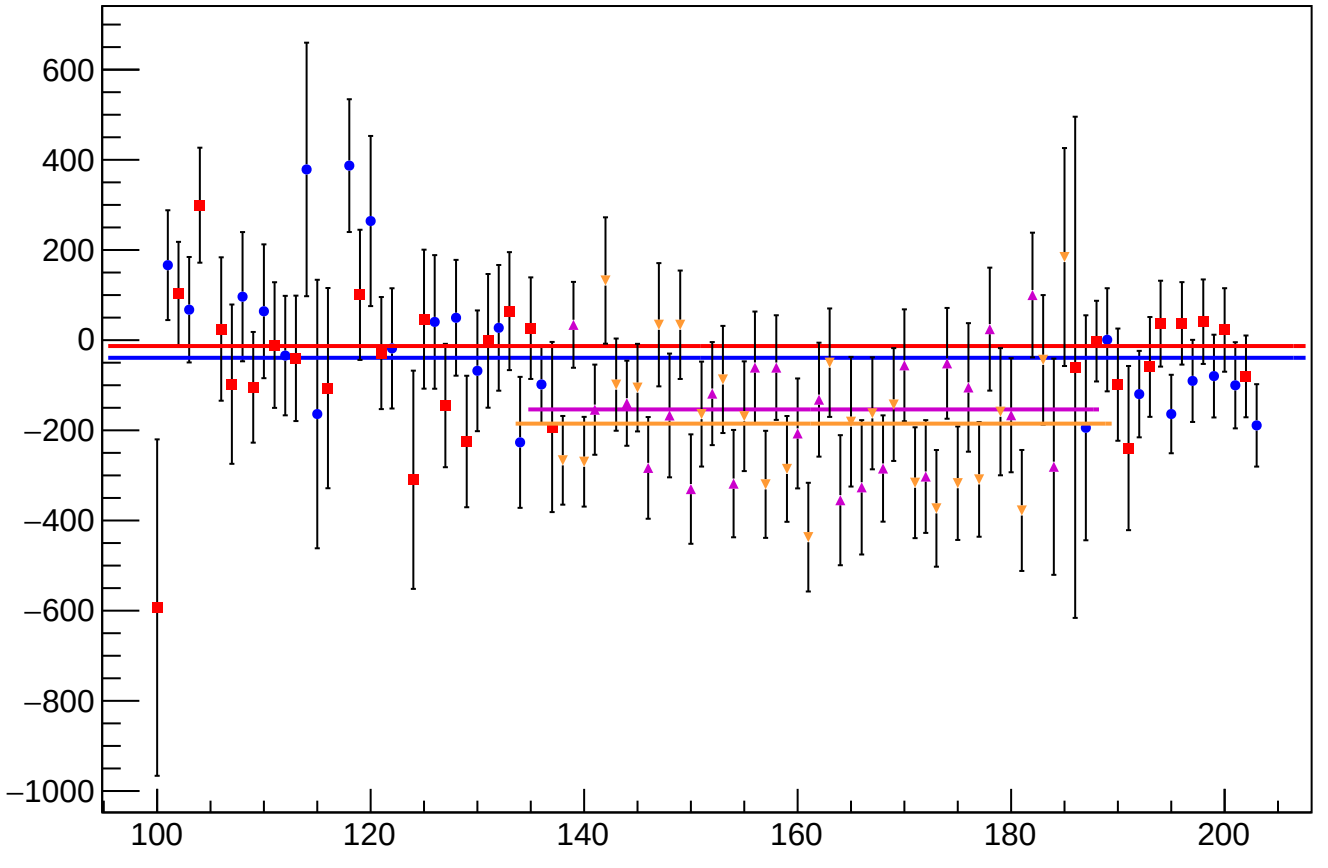
Left: 646.686+/-0.075 χ^2/NDF: 978643.1/47

Right: 644.480+/-0.090 χ^2/NDF: 3049965.1/52

In: 645.076+/-0.083 χ^2/NDF:1633330.0/46

Out: 646.436+/-0.080 χ^2/NDF:2395494.3/53

All: 645.775+/-0.058 χ^2/NDF: 4028963.4/100



Right In: -39.138+/-24.652 χ^2/NDF: 28.5/23

Left Out: -185.148+/-24.452 χ^2/NDF:33.0/24

Right Out: -13.055+/-23.737 χ^2/NDF: 21.0/28

Left In: -153.632+/-25.538 χ^2/NDF:23.5/22

Left: -170.074+/-17.662 χ^2/NDF: 57.4/47

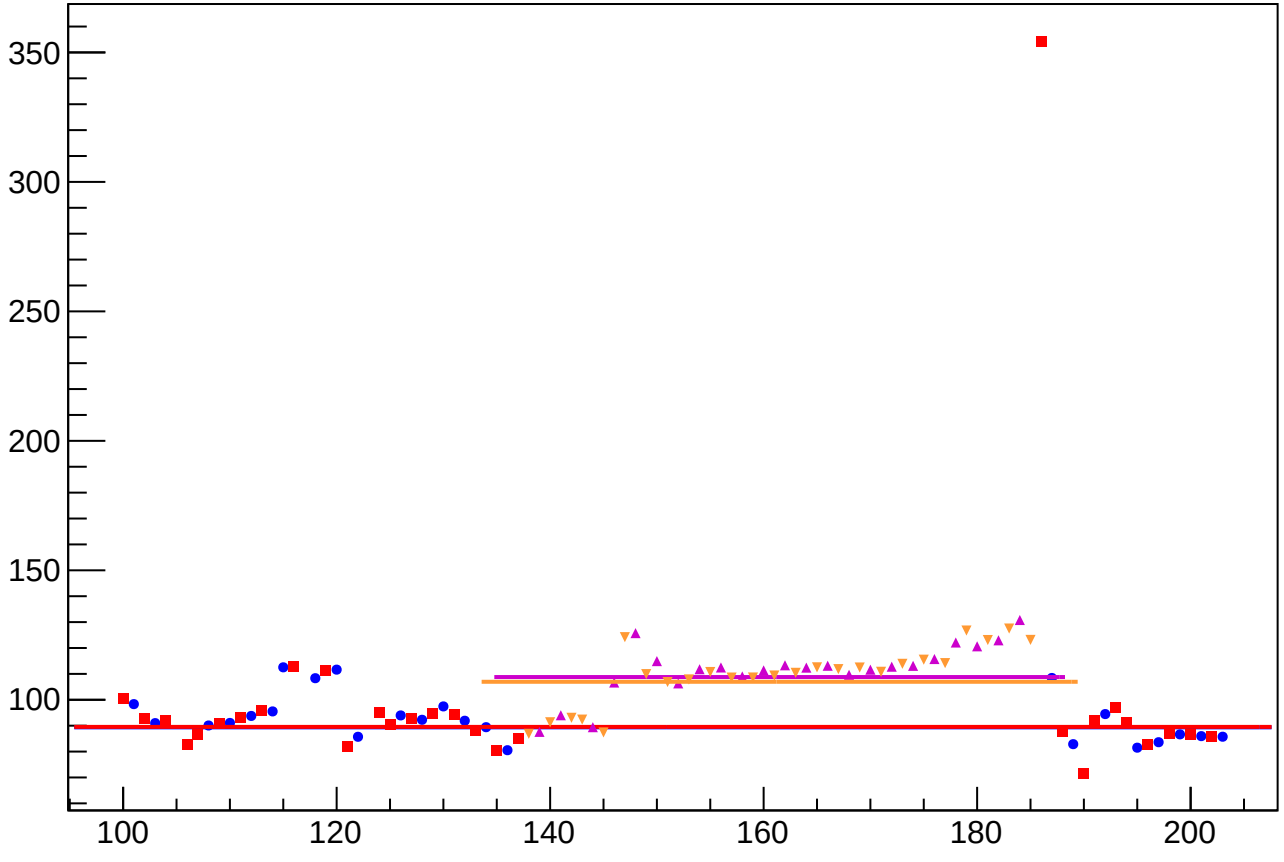
Right: -25.604+/-17.099 χ^2/NDF: 50.1/52

In: -94.364+/-17.736 χ^2/NDF:62.4/46

Out: -96.549+/-17.032 χ^2/NDF:79.6/53

All: -95.501+/-12.285 χ^2/NDF: 142.0/100

eigen_cor_asym_sam_15_dd_rms vs Slug, Sign Corrected



Right In: 89.355+/-0.017 χ^2/NDF: 177184.0/23

Left Out: 106.954+/-0.017 χ^2/NDF:464271.4/24

Right Out: 89.531+/-0.017 χ^2/NDF: 635303.5/28

Left In: 108.781+/-0.018 χ^2/NDF:358436.4/22

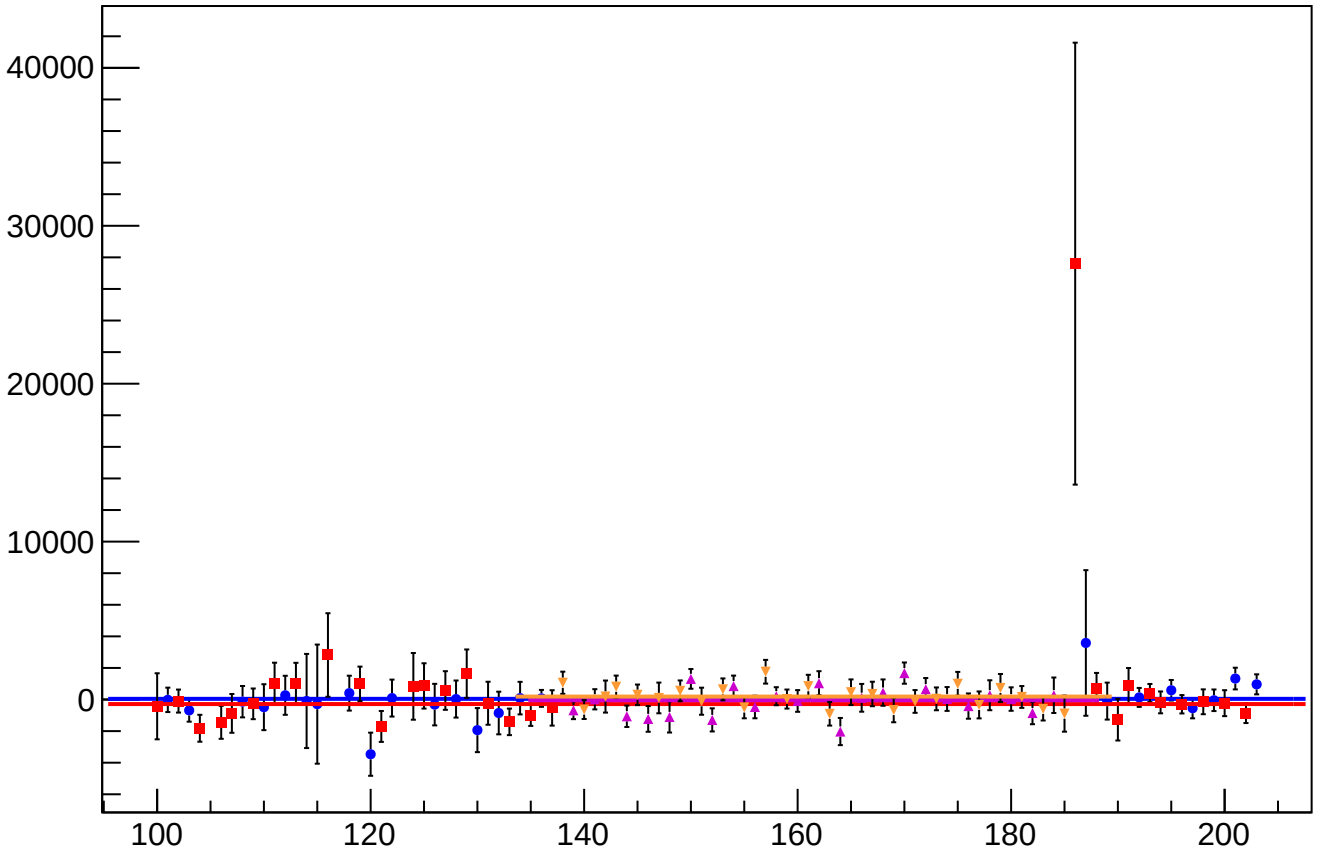
Left: 107.828+/-0.012 χ^2/NDF: 828045.3/47

Right: 89.446+/-0.012 χ^2/NDF: 812540.4/52

In: 98.725+/-0.013 χ^2/NDF:1134652.4/46

Out: 97.984+/-0.012 χ^2/NDF:1622350.7/53

All: 98.339+/-0.009 χ^2/NDF: 2758818.6/100



Right In: 43.061+/-182.809 χ^2/NDF: 18.3/23

Left Out: 186.450+/-148.819 χ^2/NDF:19.1/24

Right Out: -287.288+/-176.064 χ^2/NDF: 26.7/28

Left In: -43.251+/-152.059 χ^2/NDF:33.7/22

Left: 74.072+/-106.358 χ^2/NDF: 53.9/47

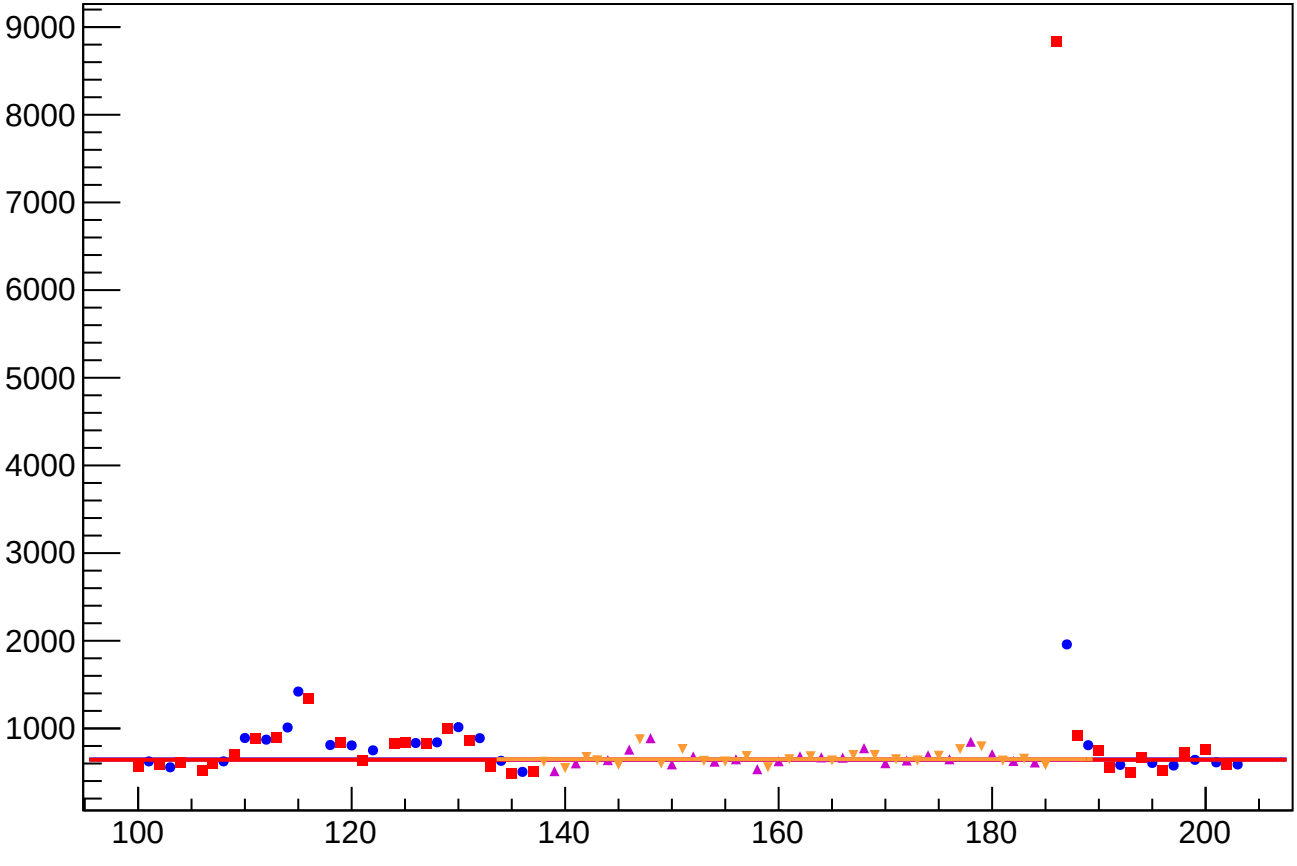
Right: -128.321+/-126.813 χ^2/NDF: 46.6/52

In: -7.955+/-116.904 χ^2/NDF:52.1/46

Out: -10.970+/-113.657 χ^2/NDF:49.9/53

All: -9.505+/-81.491 χ^2/NDF: 102.1/100

asym_sam_15_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 646.527+/-0.129 χ^2/NDF: 1073996.0/23

Left Out: 649.189+/-0.105 χ^2/NDF:418365.4/24

Right Out: 642.582+/-0.124 χ^2/NDF: 1975486.1/28

Left In: 644.072+/-0.108 χ^2/NDF:559121.0/22

Left: 646.686+/-0.075 χ^2/NDF: 978643.1/47

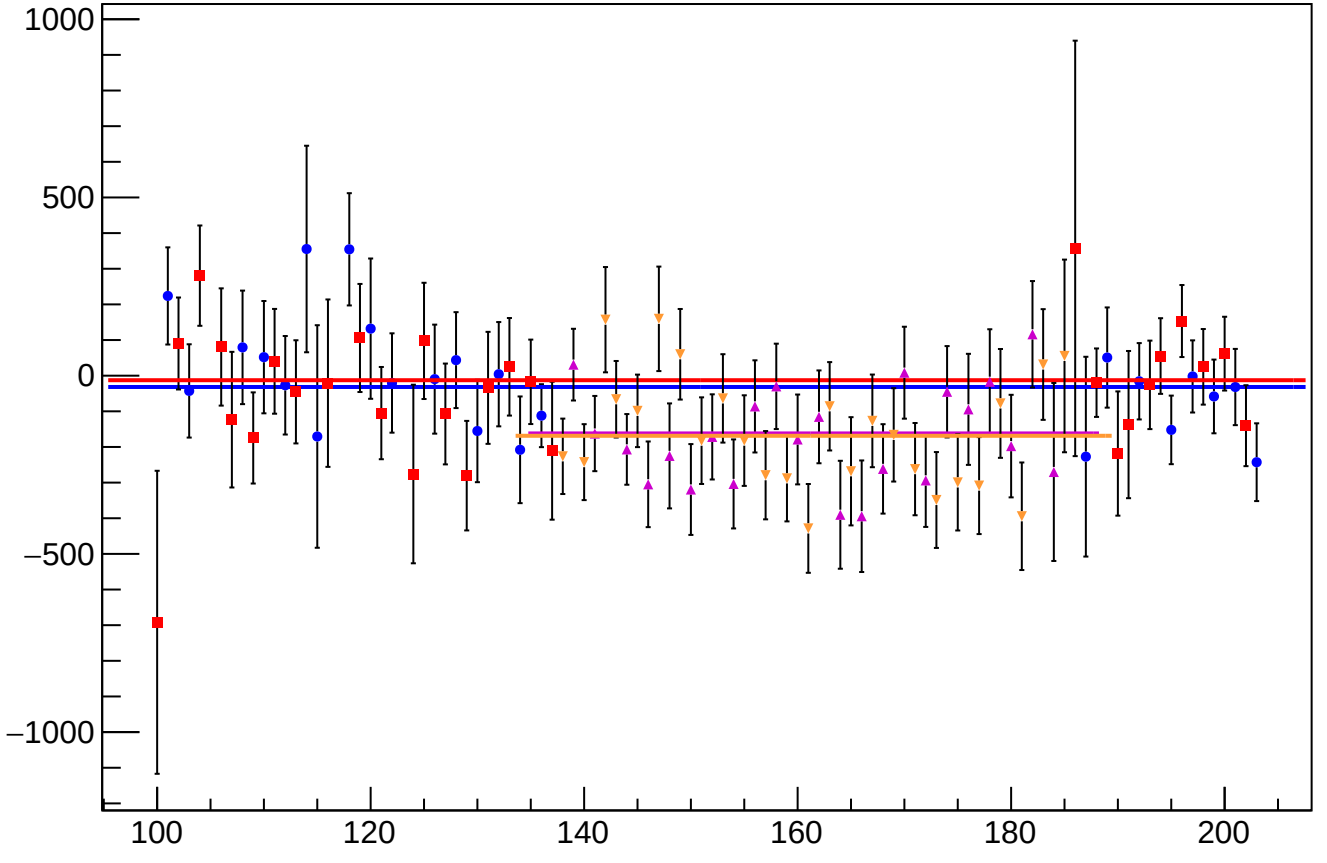
Right: 644.480+/-0.090 χ^2/NDF: 3049965.1/52

In: 645.076+/-0.083 χ^2/NDF:1633330.0/46

Out: 646.436+/-0.080 χ^2/NDF:2395494.3/53

All: 645.775+/-0.058 χ^2/NDF: 4028963.4/100

dit_asym_sam_15_dd_mean vs Slug, Sign Corrected



Right In: -31.719+/-27.003 χ^2/NDF: 22.7/23

Left Out: -168.634+/-25.819 χ^2/NDF:32.4/24

Right Out: -12.720+/-26.045 χ^2/NDF: 24.5/28

Left In: -162.028+/-26.948 χ^2/NDF:23.6/22

Left: -165.472+/-18.643 χ^2/NDF: 56.0/47

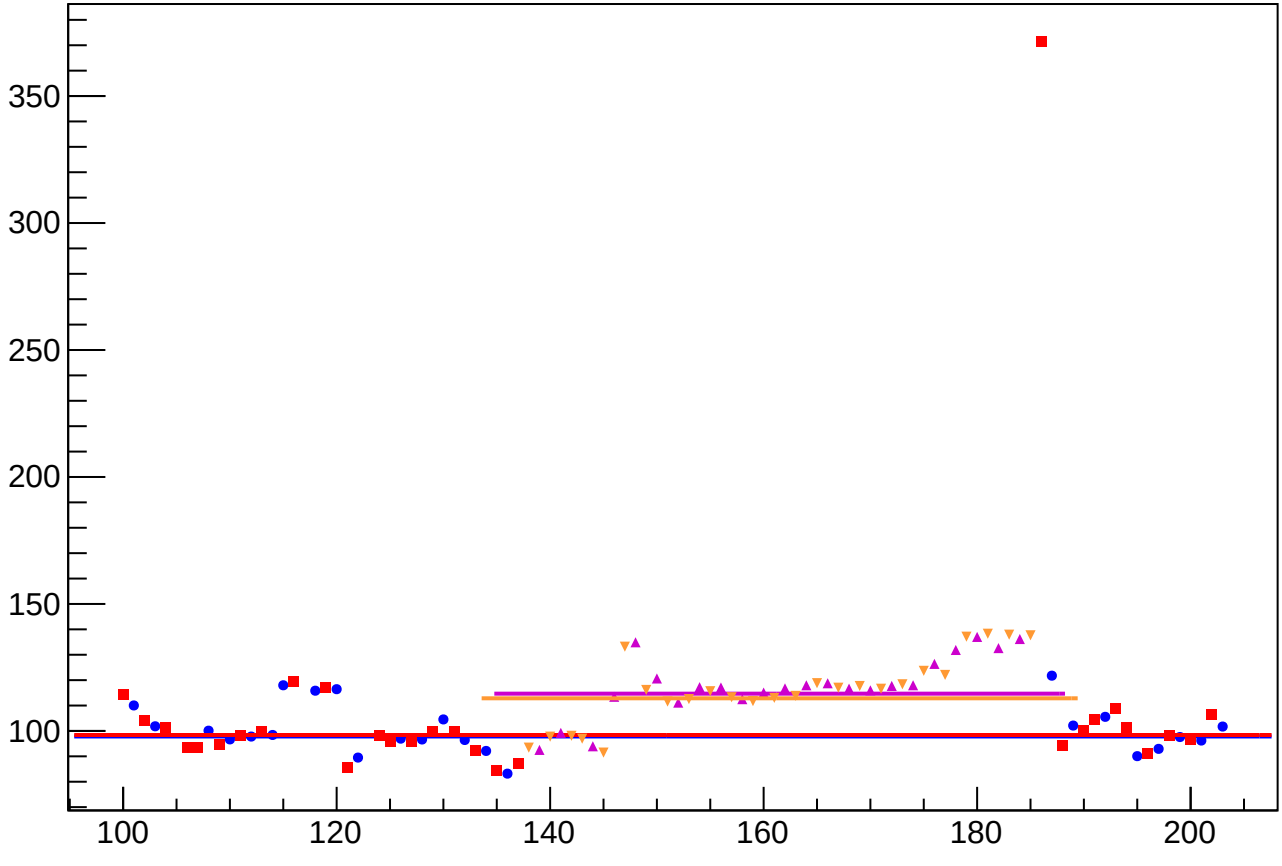
Right: -21.876+/-18.746 χ^2/NDF: 47.4/52

In: -97.008+/-19.074 χ^2/NDF:57.9/46

Out: -91.354+/-18.336 χ^2/NDF:74.9/53

All: -94.070+/-13.219 χ^2/NDF: 132.9/100

dit_asym_sam_15_dd_rms vs Slug, Sign Corrected



Right In: 97.822+/-0.019 χ^2/NDF: 188191.7/23

Left Out: 112.850+/-0.018 χ^2/NDF:512260.6/24

Right Out: 98.396+/-0.018 χ^2/NDF: 599546.3/28

Left In: 114.677+/-0.019 χ^2/NDF:409932.2/22

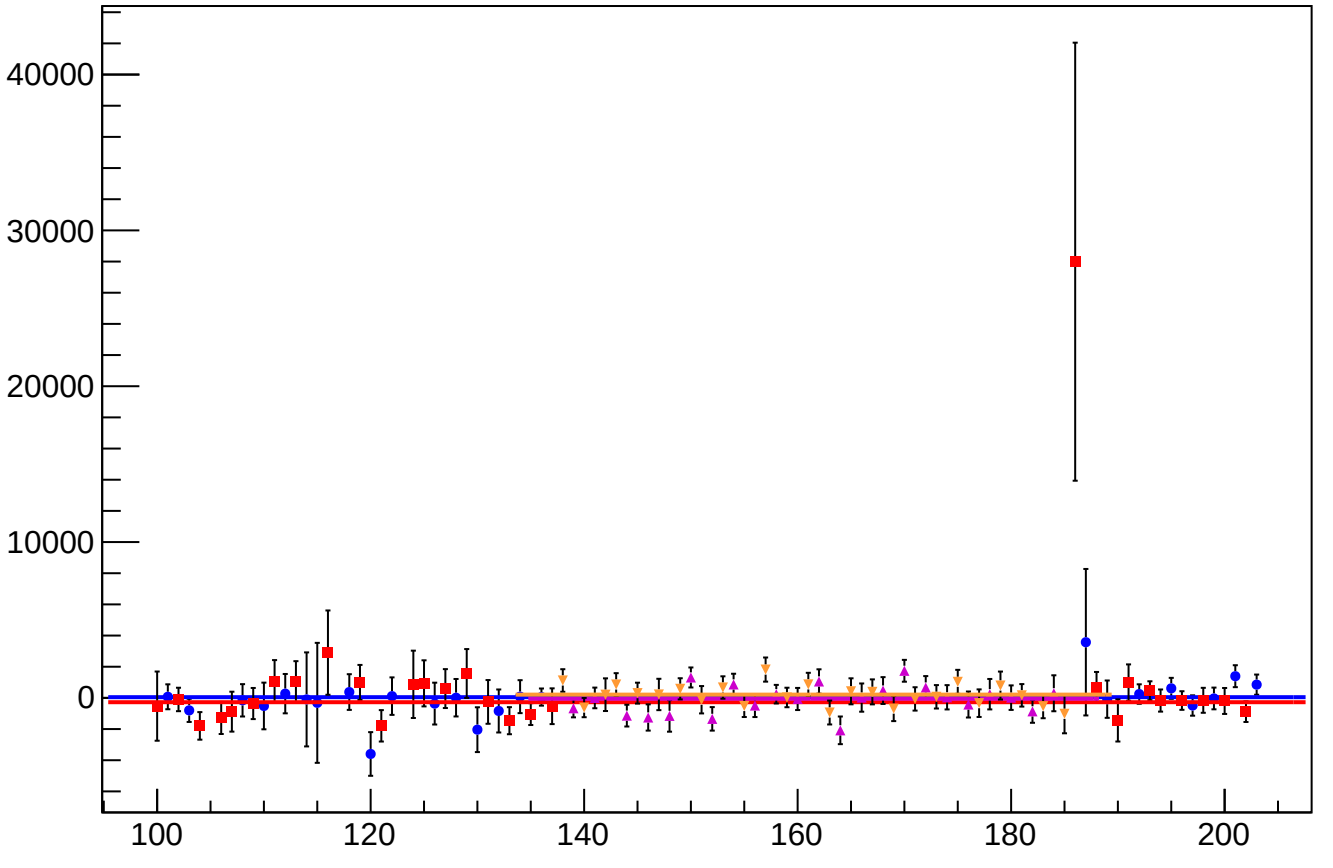
Left: 113.724+/-0.013 χ^2/NDF: 926988.8/47

Right: 98.119+/-0.013 χ^2/NDF: 788207.5/52

In: 106.267+/-0.013 χ^2/NDF:988555.6/46

Out: 105.686+/-0.013 χ^2/NDF:1422434.0/53

All: 105.965+/-0.009 χ^2/NDF: 2411953.9/100



Right In: 45.507+/-187.987 χ^2/NDF: 18.3/23

Left Out: 209.377+/-153.925 χ^2/NDF:18.9/24

Right Out: -277.003+/-181.650 χ^2/NDF: 26.3/28

Left In: -50.266+/-157.485 χ^2/NDF:33.3/22

Left: 82.523+/-110.079 χ^2/NDF: 53.6/47

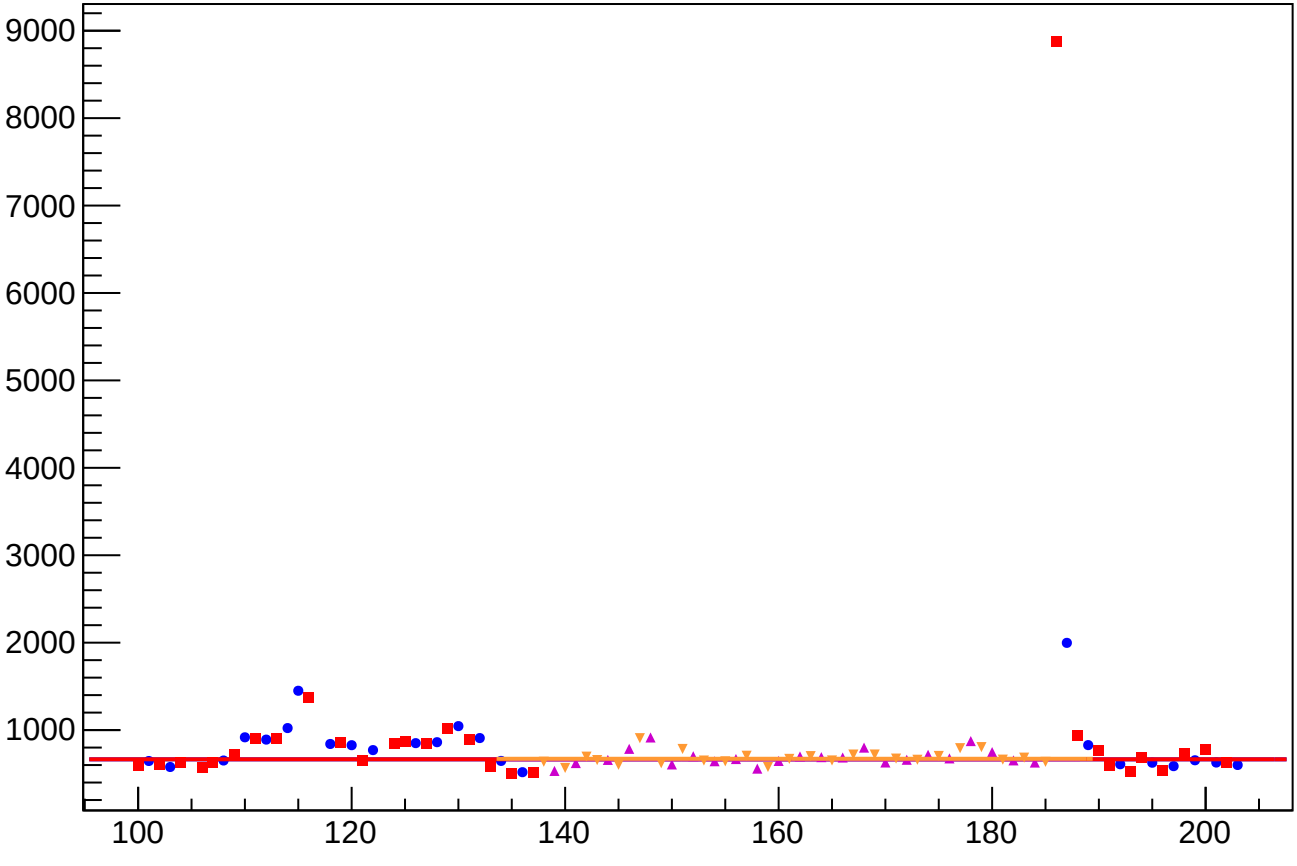
Right: -121.276+/-130.629 χ^2/NDF: 46.1/52

In: -10.770+/-120.721 χ^2/NDF:51.7/46

Out: 6.099+/-117.434 χ^2/NDF:49.4/53

All: -2.103+/-84.177 χ^2/NDF: 101.1/100

asym_sam_15_dd_dit_correction_rms vs Slug, Sign Corrected



Right In: 665.220+/-0.133 χ^2/NDF: 1061811.7/23

Left Out: 671.849+/-0.109 χ^2/NDF:399159.9/24

Right Out: 665.865+/-0.128 χ^2/NDF: 1887579.8/28

Left In: 667.341+/-0.111 χ^2/NDF:546903.6/22

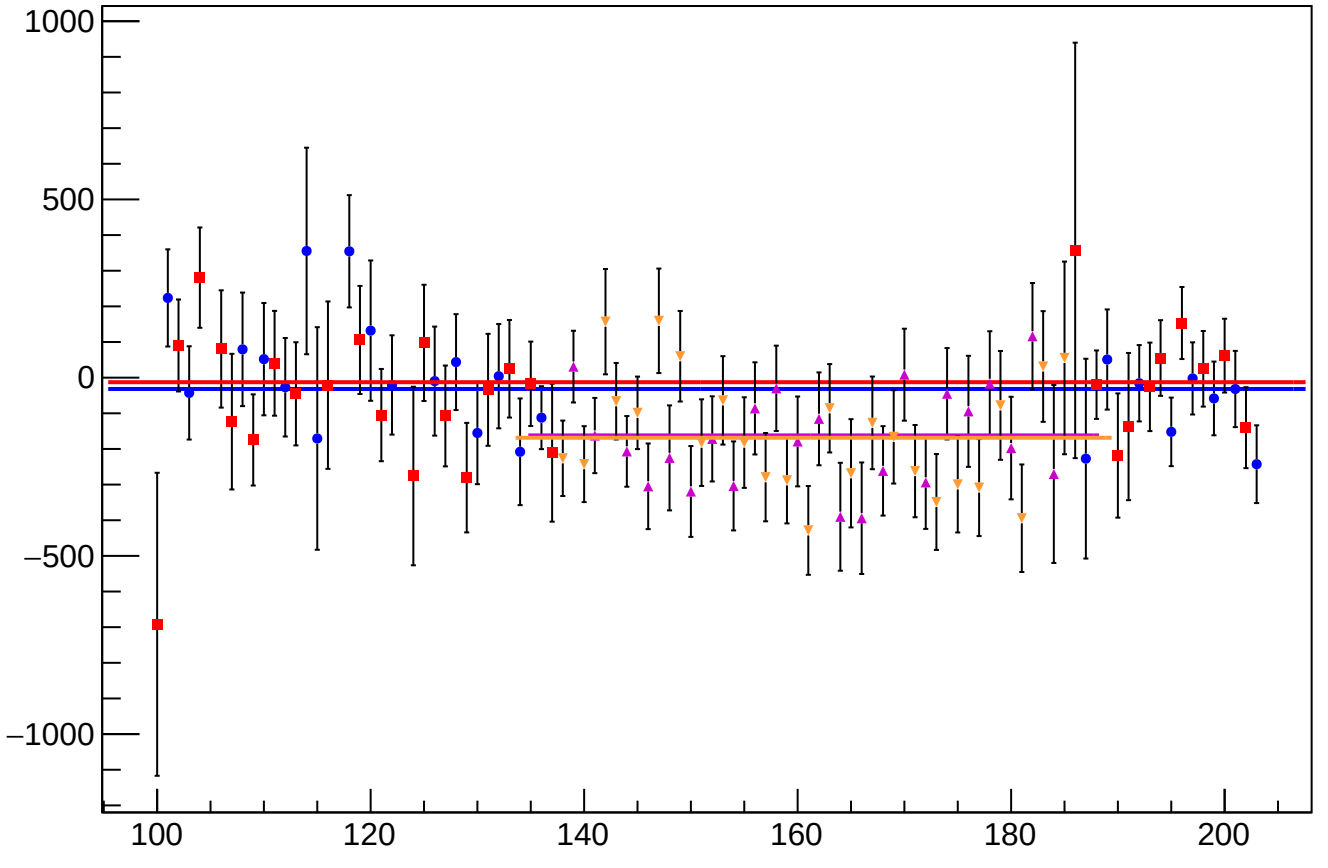
Left: 669.646+/-0.078 χ^2/NDF: 946901.4/47

Right: 665.554+/-0.092 χ^2/NDF: 2949403.6/52

In: 666.467+/-0.085 χ^2/NDF:1608864.9/46

Out: 669.348+/-0.083 χ^2/NDF:2288003.0/53

All: 667.947+/-0.060 χ^2/NDF: 3897453.1/100



Right In: -31.719+/-27.003 χ^2/NDF: 22.7/23

Left Out: -168.635+/-25.819 χ^2/NDF:32.4/24

Right Out: -12.720+/-26.045 χ^2/NDF: 24.5/28

Left In: -162.028+/-26.948 χ^2/NDF:23.6/22

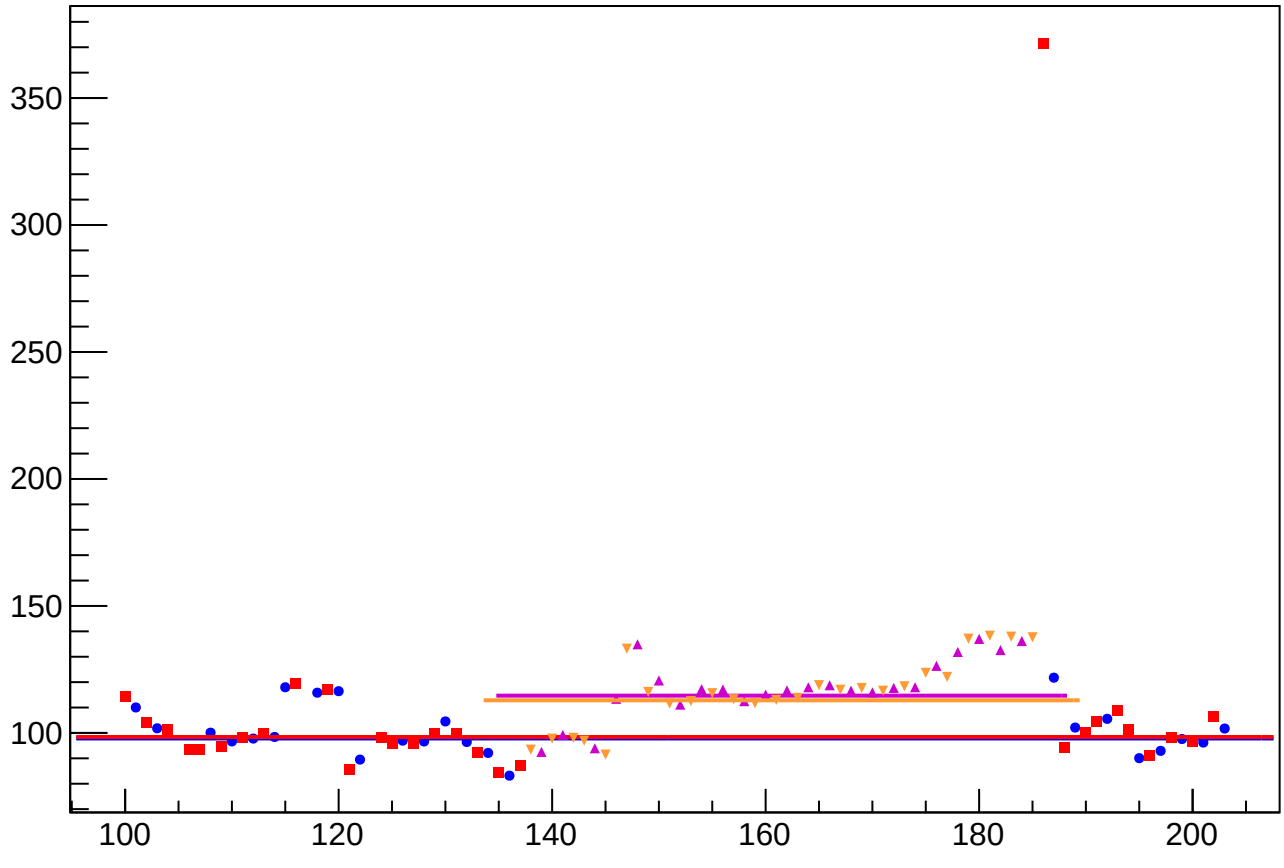
Left: -165.473+/-18.643 χ^2/NDF: 56.0/47

Right: -21.876+/-18.746 χ^2/NDF: 47.4/52

In: -97.008+/-19.074 χ^2/NDF:57.9/46

Out: -91.355+/-18.336 χ^2/NDF:74.9/53

All: -94.070+/-13.219 χ^2/NDF: 132.9/100



Right In: 97.821+/-0.019 χ^2/NDF: 188195.1/23

Left Out: 112.850+/-0.018 χ^2/NDF:512254.2/24

Right Out: 98.396+/-0.018 χ^2/NDF: 599546.1/28

Left In: 114.677+/-0.019 χ^2/NDF:409929.2/22

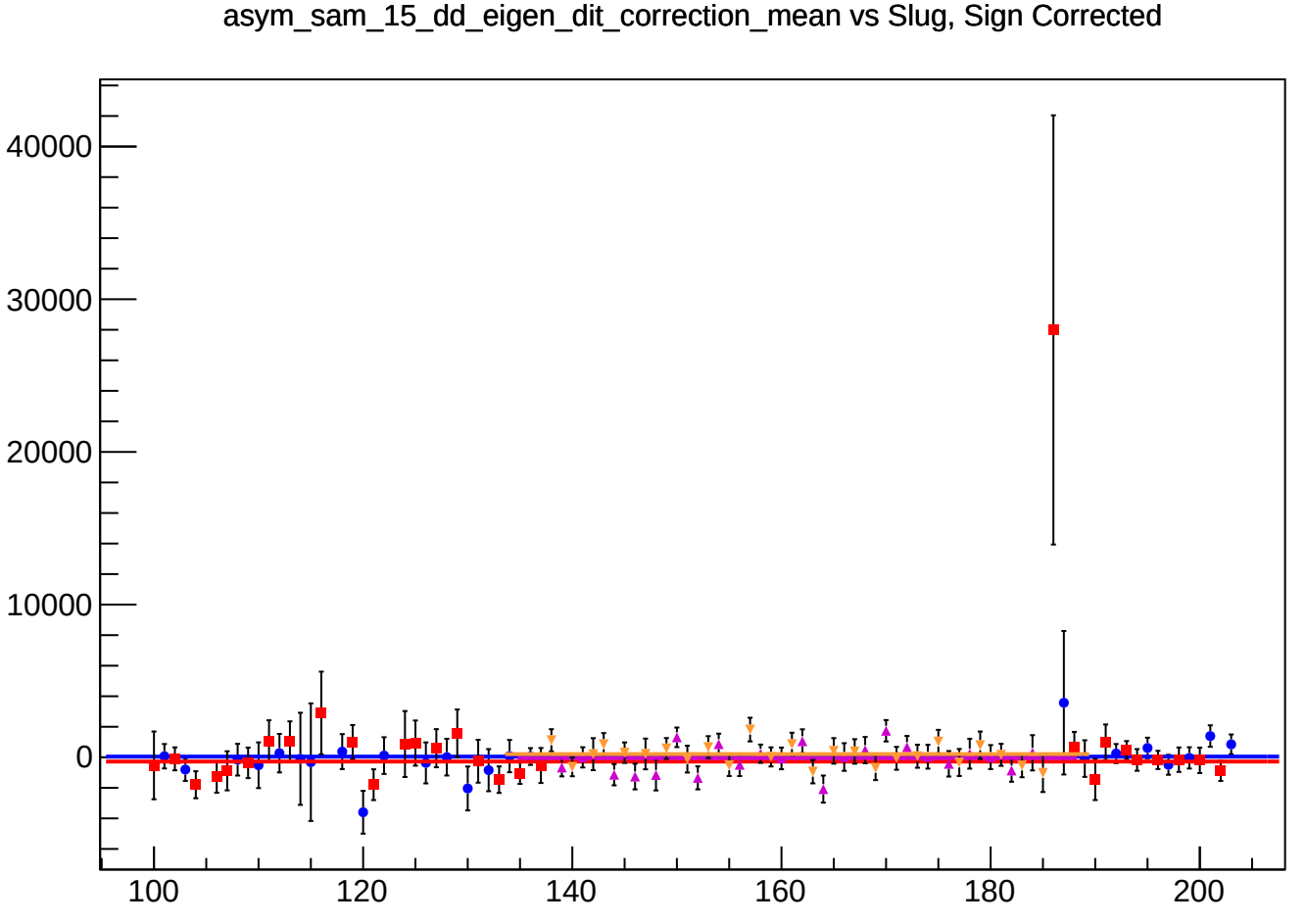
Left: 113.724+/-0.013 χ^2/NDF: 926979.7/47

Right: 98.119+/-0.013 χ^2/NDF: 788210.8/52

In: 106.267+/-0.013 χ^2/NDF:988566.5/46

Out: 105.686+/-0.013 χ^2/NDF:1422432.9/53

All: 105.965+/-0.009 χ^2/NDF: 2411963.8/100



Right In: 45.507+/-187.987 χ^2/NDF: 18.3/23

Left Out: 209.377+/-153.926 χ^2/NDF:18.9/24

Right Out: -277.003+/-181.650 χ^2/NDF: 26.3/28

Left In: -50.267+/-157.485 χ^2/NDF:33.3/22

Left: 82.523+/-110.079 χ^2/NDF: 53.6/47

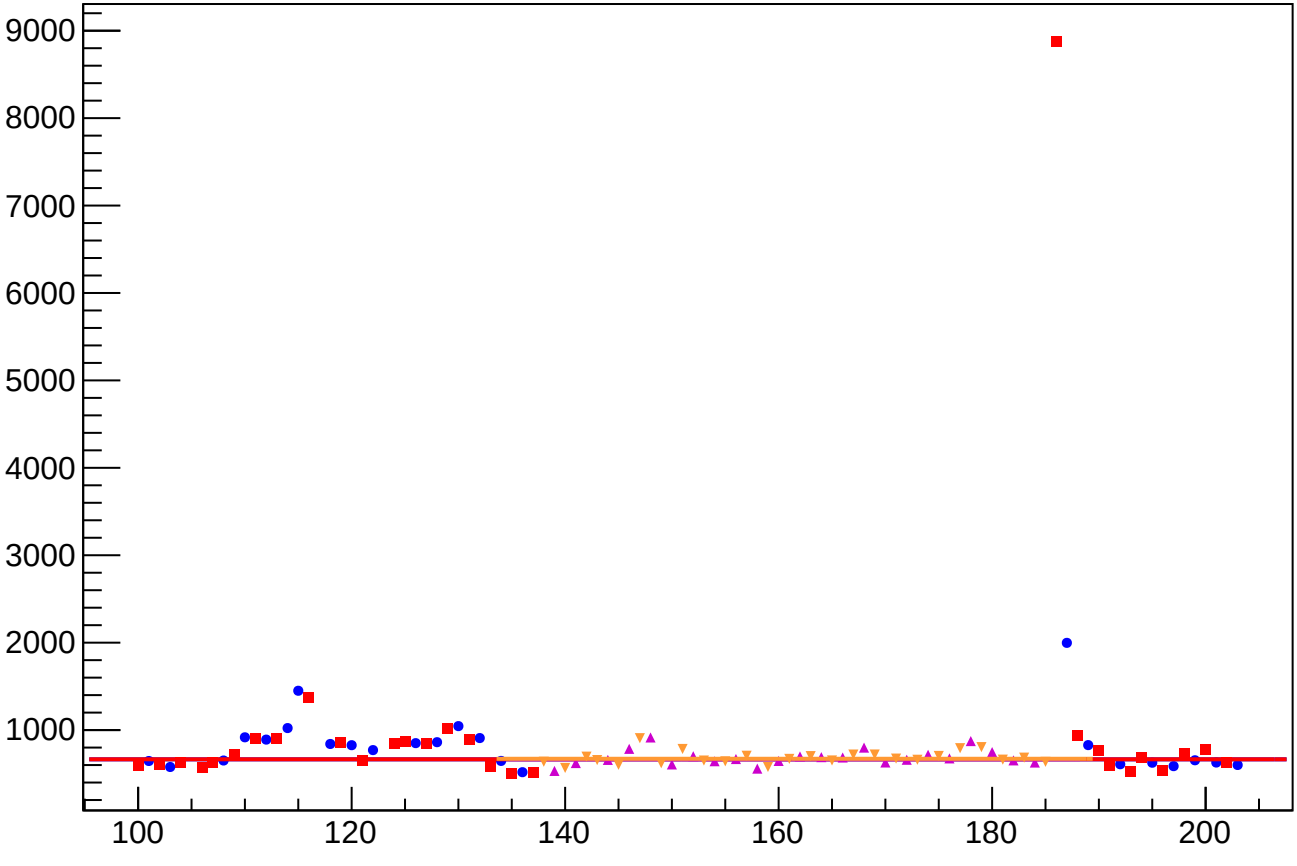
Right: -121.276+/-130.629 χ^2/NDF: 46.1/52

In: -10.770+/-120.721 χ^2/NDF:51.7/46

Out: 6.098+/-117.434 χ^2/NDF:49.4/53

All: -2.103+/-84.177 χ^2/NDF: 101.1/100

asym_sam_15_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 665.220+/-0.133 χ^2/NDF: 1061812.2/23

Left Out: 671.849+/-0.109 χ^2/NDF:399160.3/24

Right Out: 665.864+/-0.128 χ^2/NDF: 1887584.5/28

Left In: 667.342+/-0.111 χ^2/NDF:546905.8/22

Left: 669.647+/-0.078 χ^2/NDF: 946903.9/47

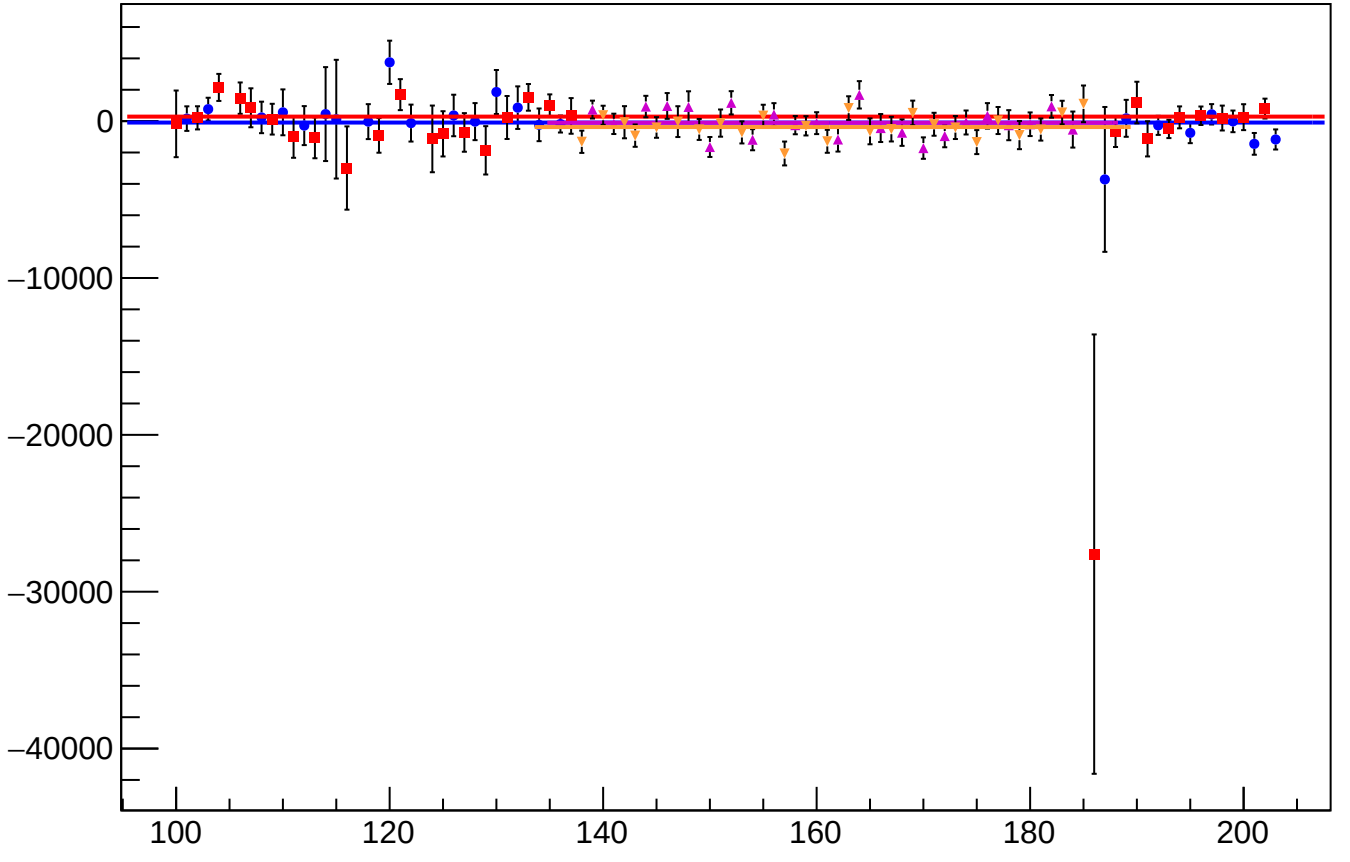
Right: 665.553+/-0.092 χ^2/NDF: 2949408.9/52

In: 666.467+/-0.085 χ^2/NDF:1608867.8/46

Out: 669.348+/-0.083 χ^2/NDF:2288008.5/53

All: 667.947+/-0.060 χ^2/NDF: 3897461.5/100

asym_sam_15_dd_mean vs Slug, Sign Corrected



Right In: -90.722+/-184.720 χ^2/NDF: 21.3/23

Left Out: -377.221+/-150.952 χ^2/NDF:21.4/24

Right Out: 288.087+/-177.714 χ^2/NDF: 29.4/28

Left In: -103.321+/-154.335 χ^2/NDF:35.5/22

Left: -243.306+/-107.915 χ^2/NDF: 58.5/47

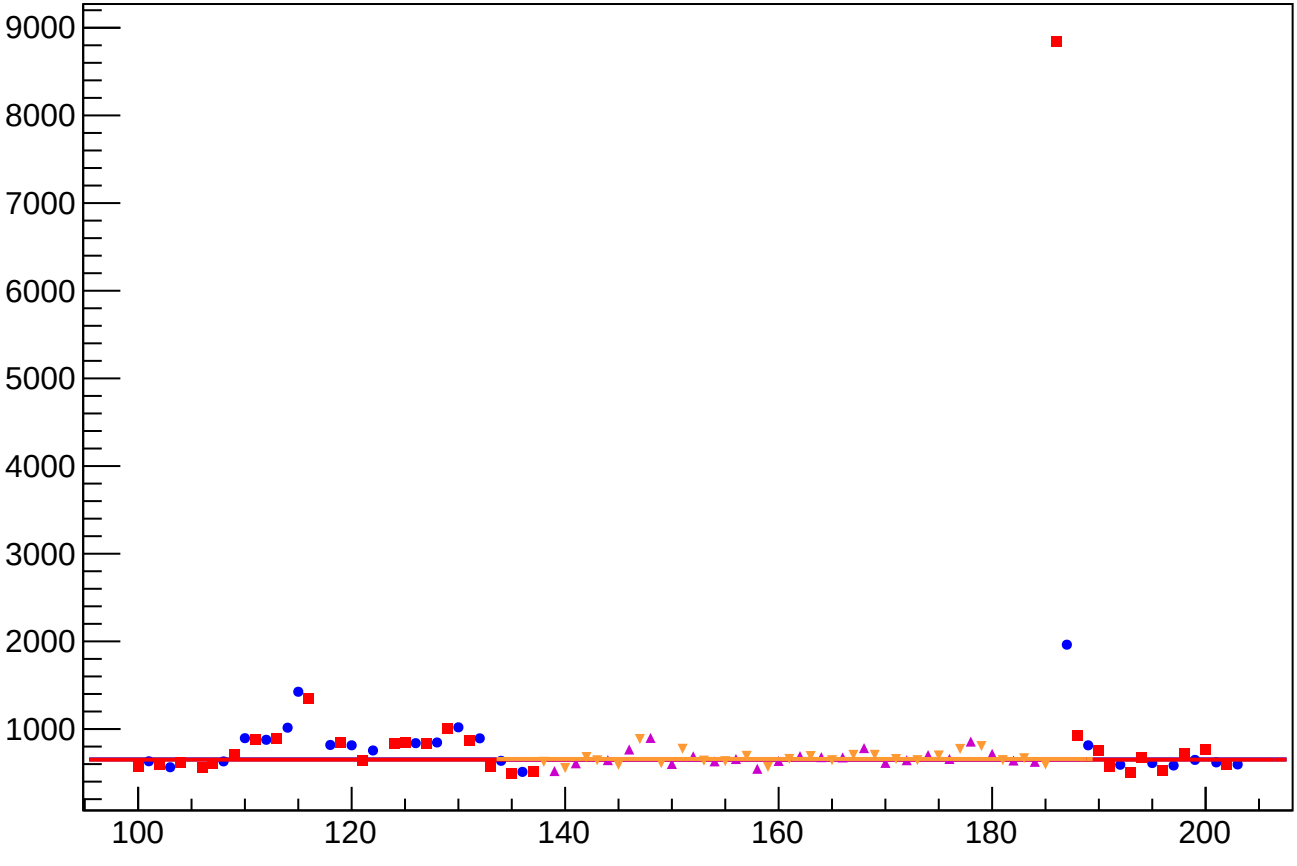
Right: 106.002+/-128.068 χ^2/NDF: 52.9/52

In: -98.142+/-118.437 χ^2/NDF:56.8/46

Out: -98.385+/-115.050 χ^2/NDF:59.0/53

All: -98.267+/-82.524 χ^2/NDF: 115.8/100

asym_sam_15_dd_rms vs Slug, Sign Corrected



Right In: 653.715+/-0.131 χ^2/NDF: 1051049.9/23

Left Out: 658.672+/-0.107 χ^2/NDF:409684.4/24

Right Out: 650.804+/-0.126 χ^2/NDF: 1927224.6/28

Left In: 653.950+/-0.109 χ^2/NDF:542078.1/22

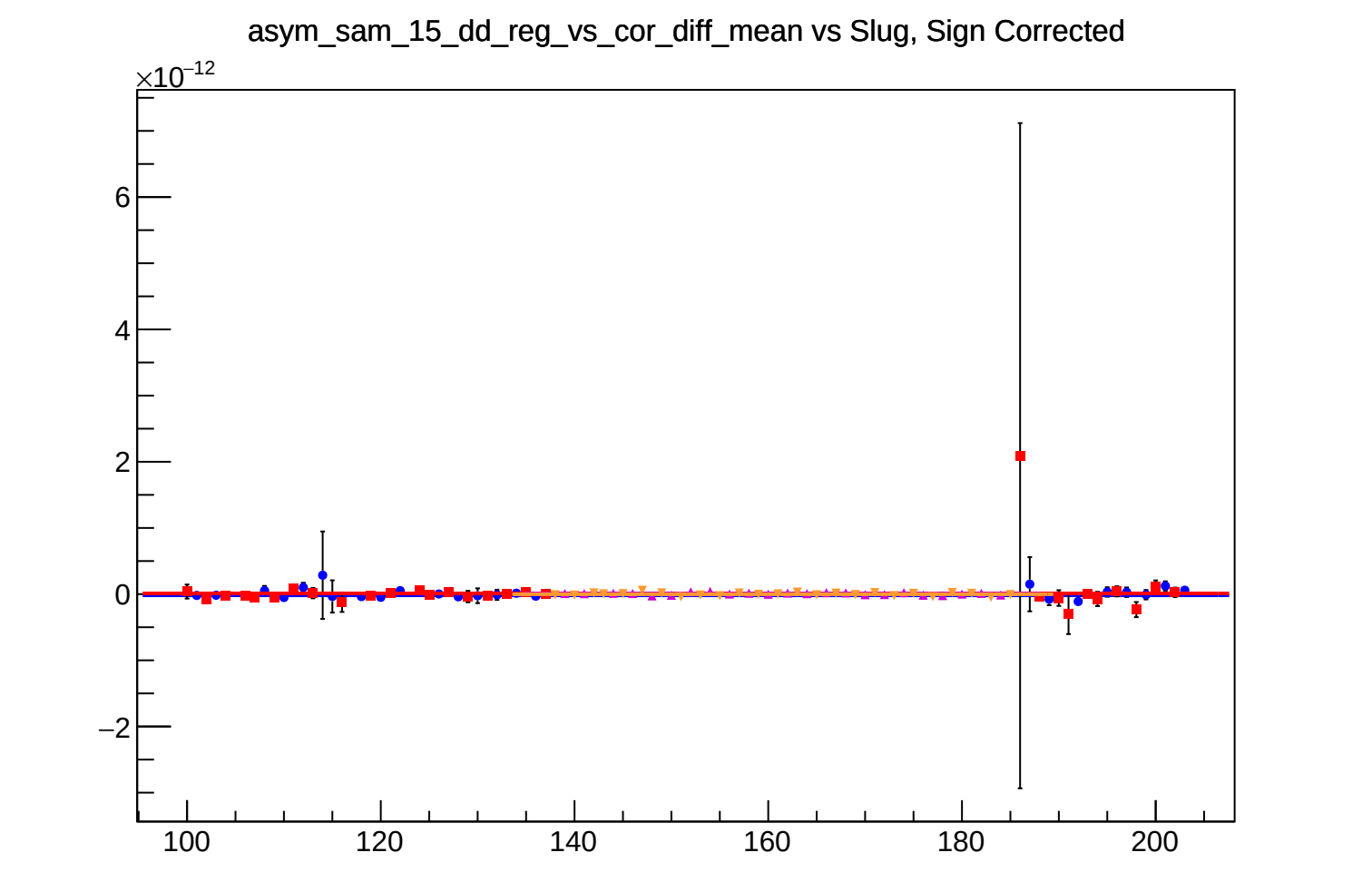
Left: 656.363+/-0.076 χ^2/NDF: 952719.4/47

Right: 652.203+/-0.091 χ^2/NDF: 2978532.5/52

In: 653.853+/-0.084 χ^2/NDF:1593129.9/46

Out: 655.374+/-0.081 χ^2/NDF:2339186.6/53

All: 654.636+/-0.058 χ^2/NDF: 3932486.2/100



Right In: -0.000+/-0.000 χ^2/NDF: 19.5/23

Left Out: -0.000+/-0.000 χ^2/NDF:31.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 25.6/28

Left In: 0.000+/-0.000 χ^2/NDF:15.6/22

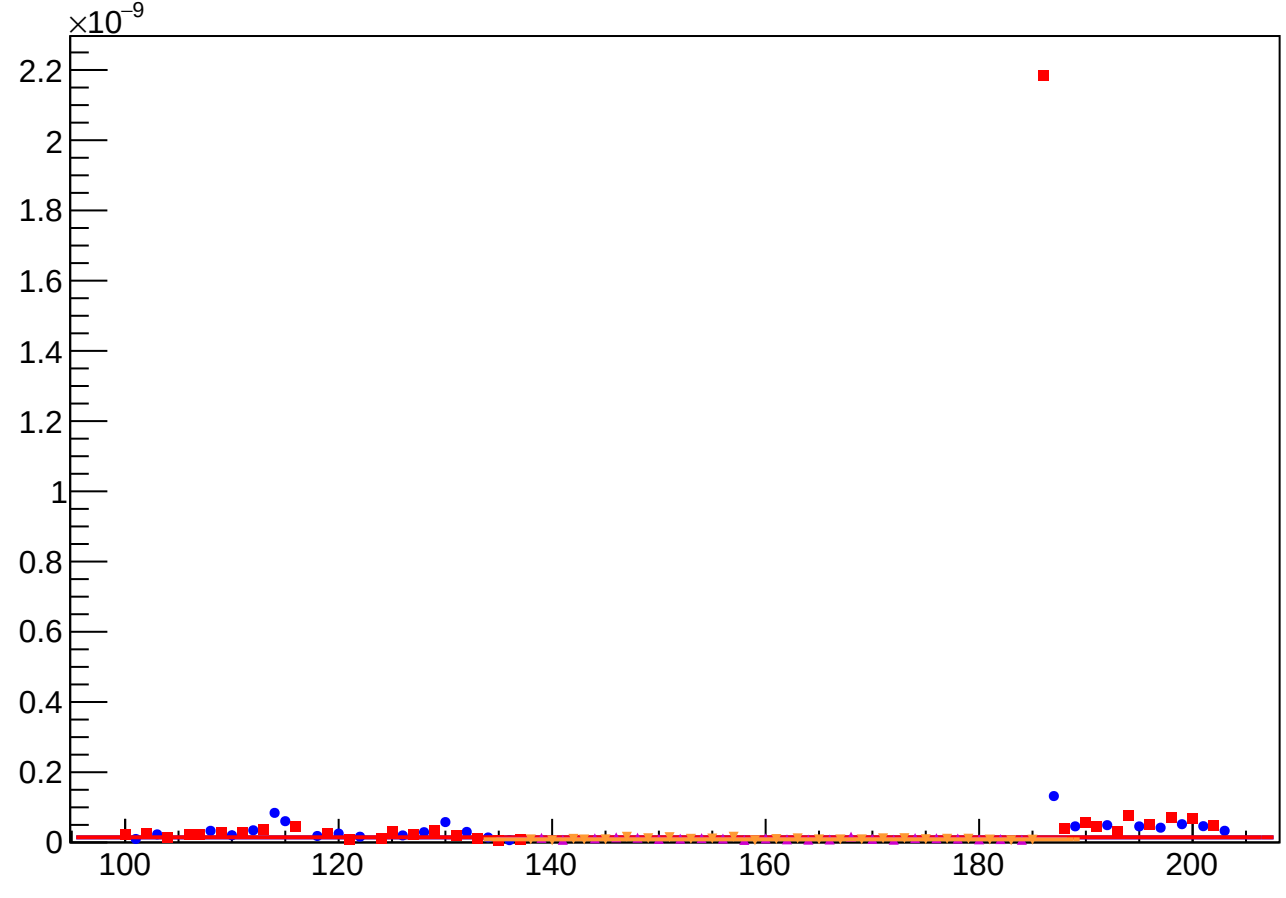
Left: 0.000+/-0.000 χ^2/NDF: 51.0/47

Right: -0.000+/-0.000 χ^2/NDF: 52.3/52

In: 0.000+/-0.000 χ^2/NDF:44.3/46

Out: 0.000+/-0.000 χ^2/NDF:59.8/53

All: 0.000+/-0.000 χ^2/NDF: 104.3/100



Right In: 0.000+/-0.000 χ^2/NDF: 5189843.8/23

Left Out: 0.000+/-0.000 χ^2/NDF:1037287.1/24

Right Out: 0.000+/-0.000 χ^2/NDF: 6310265.2/28

Left In: 0.000+/-0.000 χ^2/NDF:659247.6/22

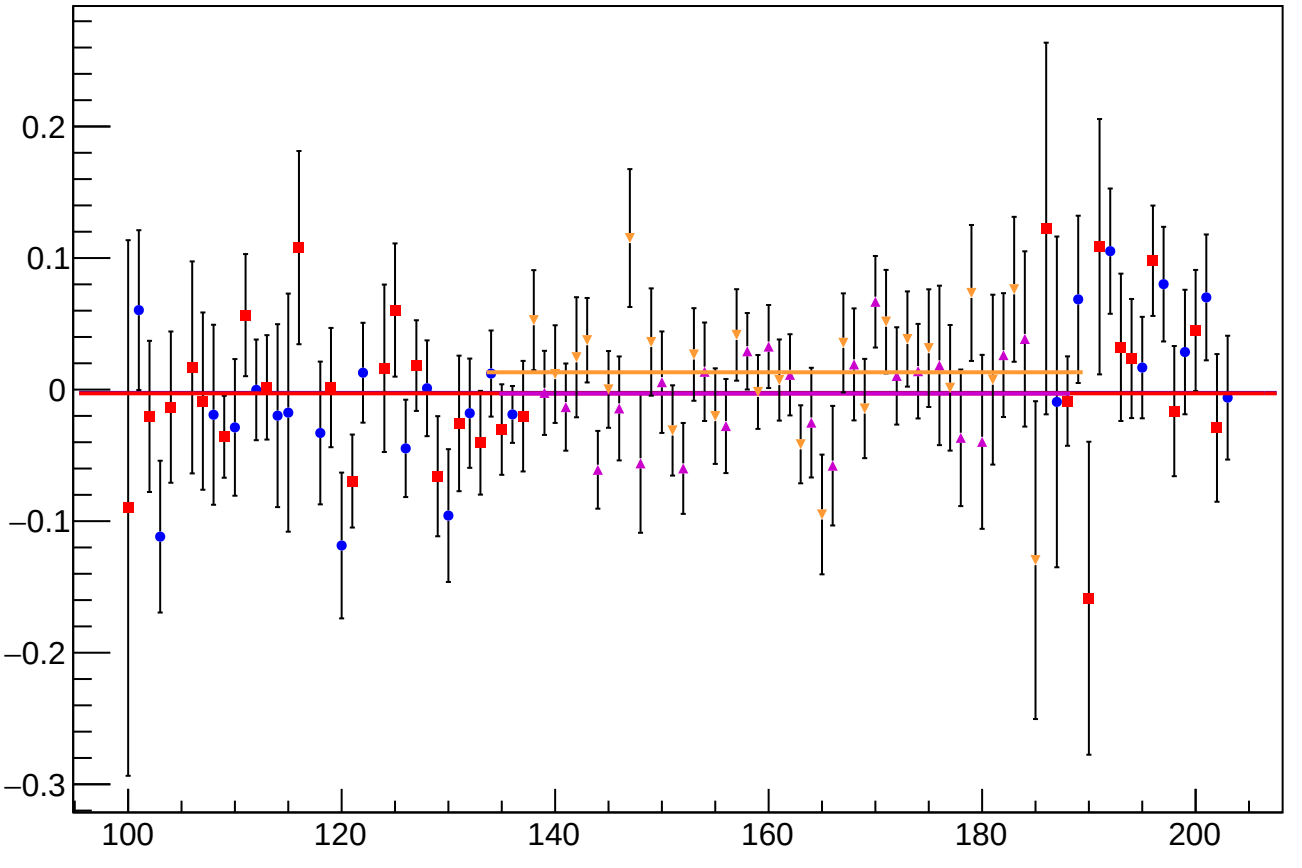
Left: 0.000+/-0.000 χ^2/NDF: 1807691.0/47

Right: 0.000+/-0.000 χ^2/NDF: 11501787.7/52

In: 0.000+/-0.000 χ^2/NDF:6346206.9/46

Out: 0.000+/-0.000 χ^2/NDF:8315910.1/53

All: 0.000+/-0.000 χ^2/NDF: 14781757.4/100



Right In: -0.003+/-0.009 χ^2/NDF: 28.5/23

Left Out: 0.013+/-0.008 χ^2/NDF:25.4/24

Right Out: -0.003+/-0.009 χ^2/NDF: 26.6/28

Left In: -0.003+/-0.008 χ^2/NDF:19.2/22

Left: 0.005+/-0.006 χ^2/NDF: 46.7/47

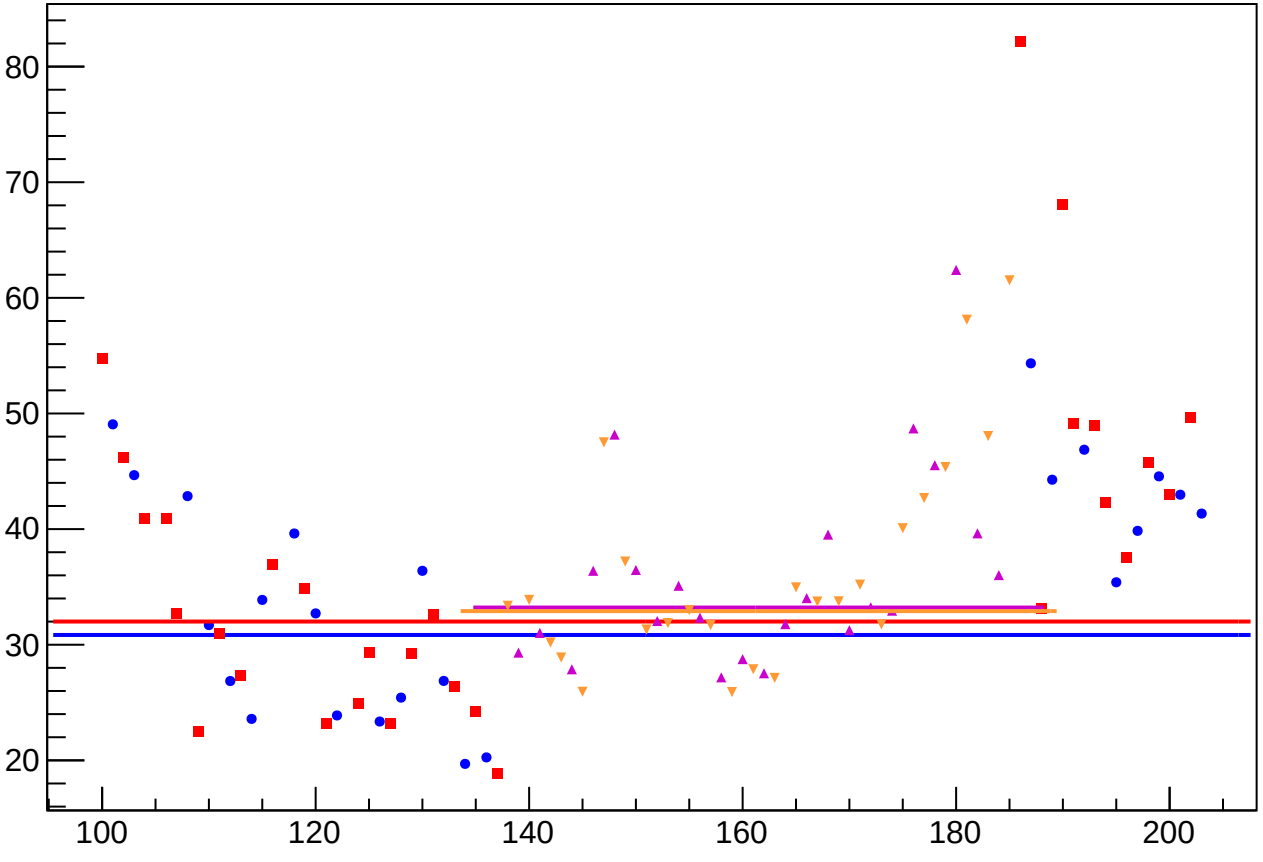
Right: -0.003+/-0.006 χ^2/NDF: 55.1/52

In: -0.003+/-0.006 χ^2/NDF:47.7/46

Out: 0.006+/-0.006 χ^2/NDF:53.8/53

All: 0.002+/-0.004 χ^2/NDF: 102.7/100

asym_sam_15_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 30.845+/-0.006 χ^2/NDF: 2299352.0/23

Left Out: 32.907+/-0.005 χ^2/NDF:1427924.1/24

Right Out: 32.006+/-0.006 χ^2/NDF: 2368604.5/28

Left In: 33.217+/-0.006 χ^2/NDF:1221447.0/22

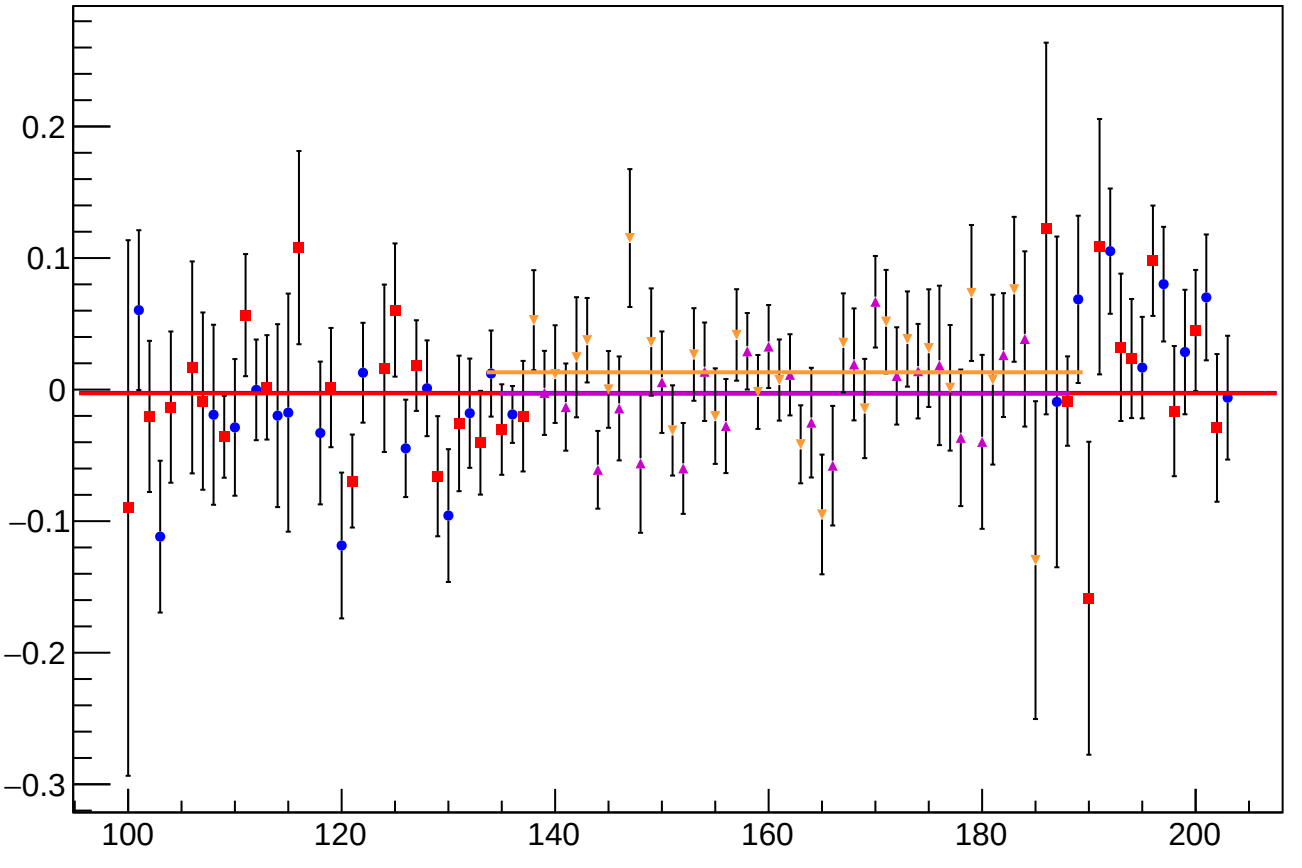
Left: 33.056+/-0.004 χ^2/NDF: 2650936.9/47

Right: 31.433+/-0.004 χ^2/NDF: 4684817.5/52

In: 32.175+/-0.004 χ^2/NDF:3598699.4/46

Out: 32.522+/-0.004 χ^2/NDF:3808299.1/53

All: 32.353+/-0.003 χ^2/NDF: 7410465.5/100



Right In: -0.003+/-0.009 χ^2/NDF: 28.5/23

Left Out: 0.013+/-0.008 χ^2/NDF:25.4/24

Right Out: -0.003+/-0.009 χ^2/NDF: 26.6/28

Left In: -0.003+/-0.008 χ^2/NDF:19.2/22

Left: 0.005+/-0.006 χ^2/NDF: 46.7/47

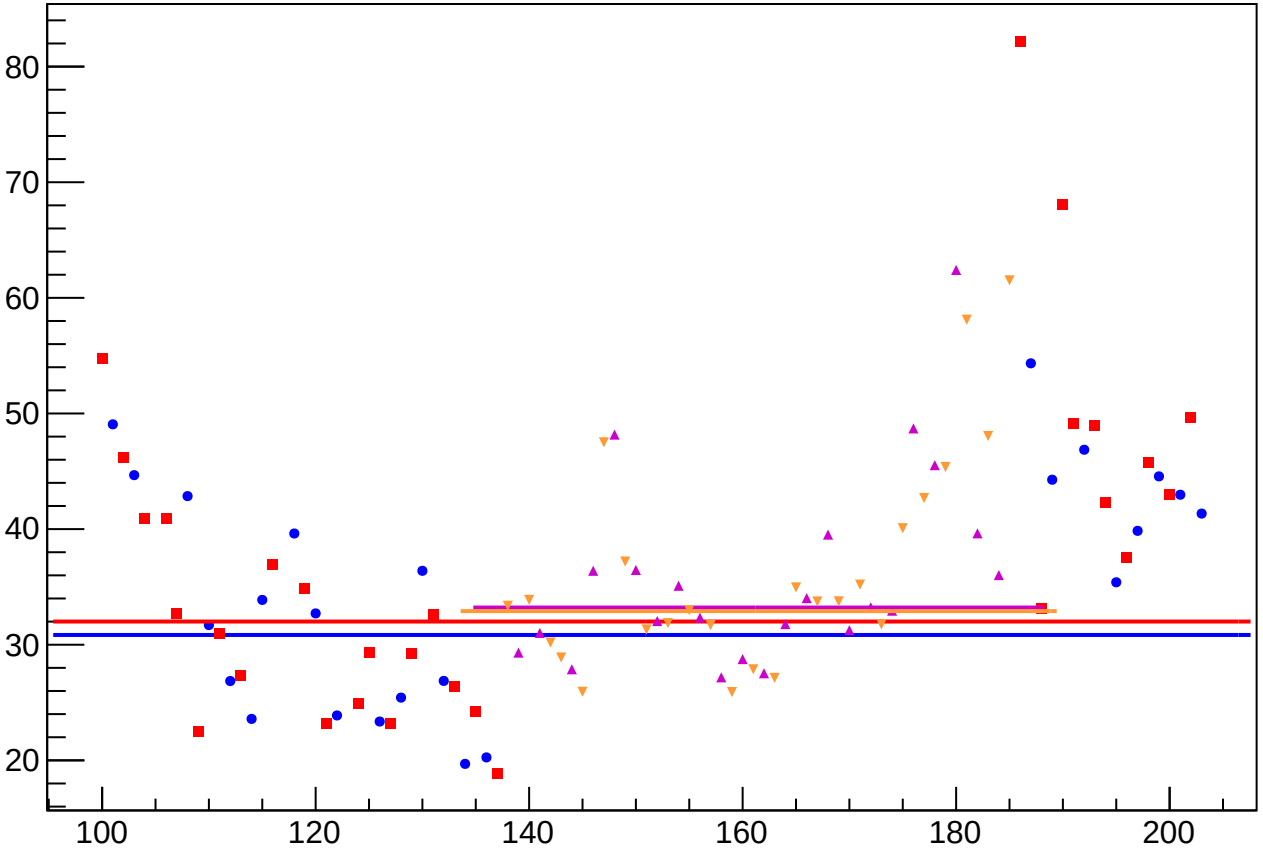
Right: -0.003+/-0.006 χ^2/NDF: 55.1/52

In: -0.003+/-0.006 χ^2/NDF:47.7/46

Out: 0.006+/-0.006 χ^2/NDF:53.8/53

All: 0.002+/-0.004 χ^2/NDF: 102.7/100

asym_sam_15_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 30.845+/-0.006 χ^2/NDF: 2299352.0/23

Left Out: 32.907+/-0.005 χ^2/NDF:1427924.1/24

Right Out: 32.006+/-0.006 χ^2/NDF: 2368604.5/28

Left In: 33.217+/-0.006 χ^2/NDF:1221447.0/22

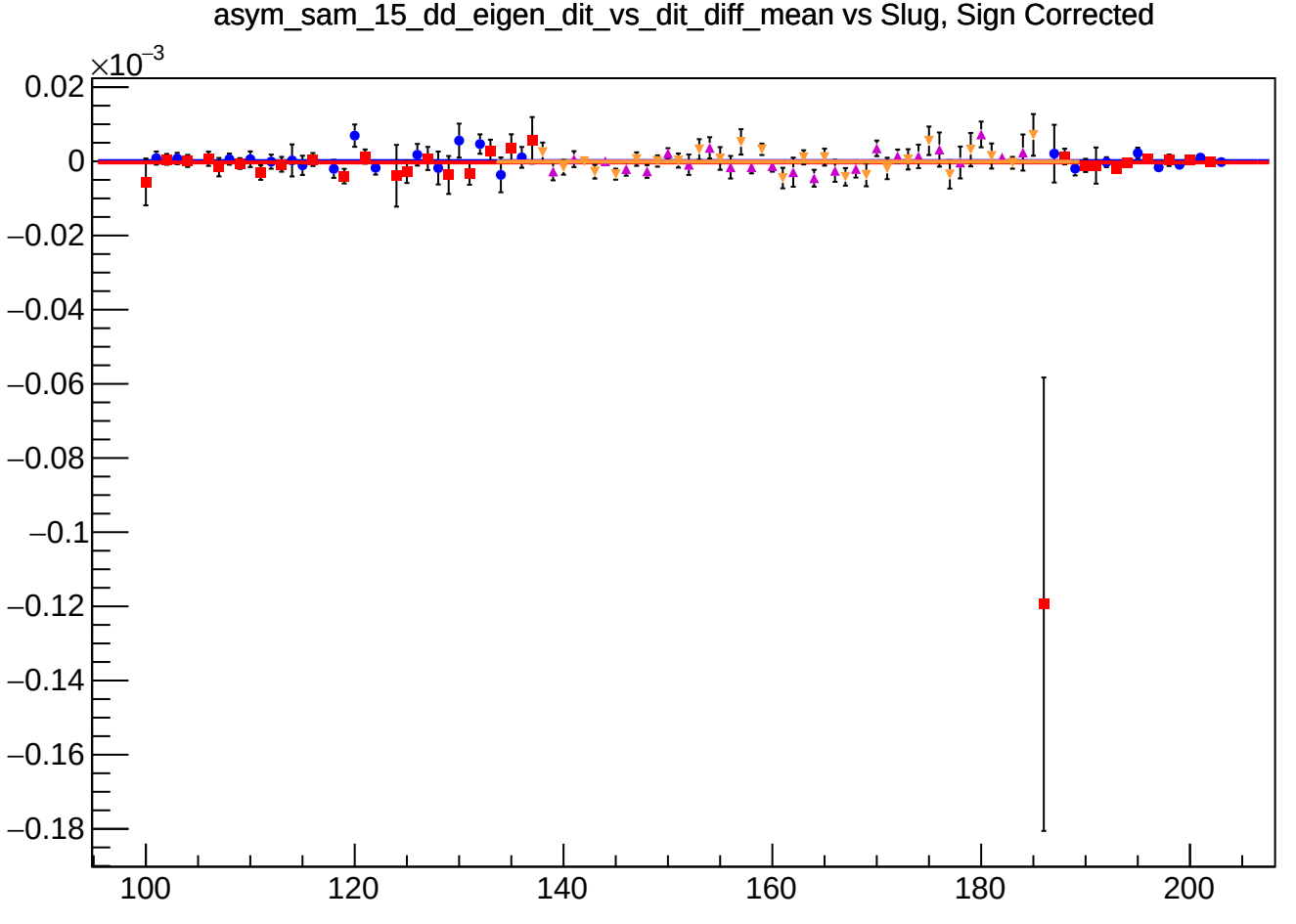
Left: 33.056+/-0.004 χ^2/NDF: 2650936.9/47

Right: 31.433+/-0.004 χ^2/NDF: 4684817.5/52

In: 32.175+/-0.004 χ^2/NDF:3598699.4/46

Out: 32.522+/-0.004 χ^2/NDF:3808299.1/53

All: 32.353+/-0.003 χ^2/NDF: 7410465.5/100



Right In: 0.000+/-0.000 χ^2/NDF: 21.3/23

Left Out: -0.000+/-0.000 χ^2/NDF:31.0/24

Right Out: -0.000+/-0.000 χ^2/NDF: 21.1/28

Left In: -0.000+/-0.000 χ^2/NDF:27.0/22

Left: -0.000+/-0.000 χ^2/NDF: 58.0/47

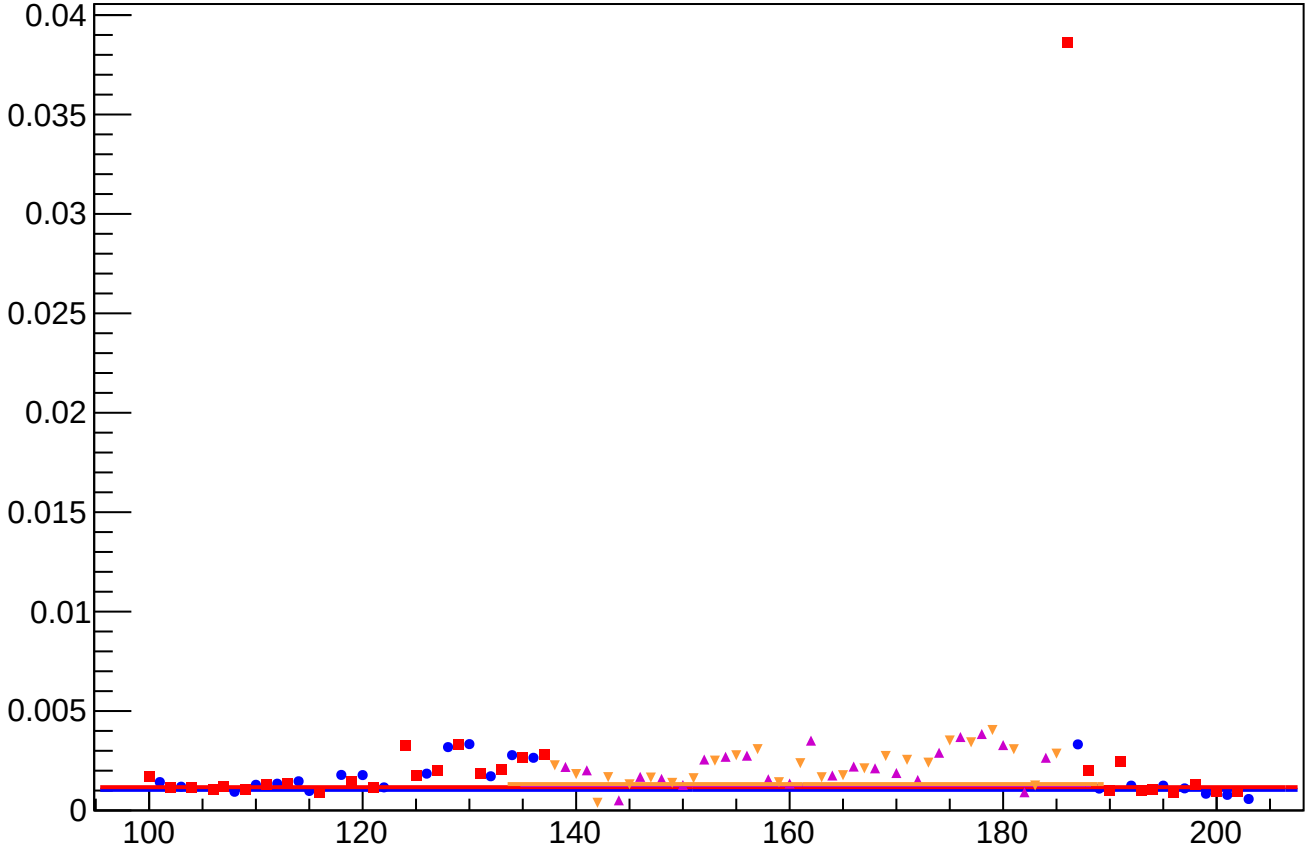
Right: -0.000+/-0.000 χ^2/NDF: 43.1/52

In: 0.000+/-0.000 χ^2/NDF:48.3/46

Out: -0.000+/-0.000 χ^2/NDF:52.3/53

All: -0.000+/-0.000 χ^2/NDF: 101.1/100

asym_sam_15_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.001+/-0.000 χ^2/NDF: 4201762.5/23

Left Out: 0.001+/-0.000 χ^2/NDF:11159347.0/24

Right Out: 0.001+/-0.000 χ^2/NDF: 3208393.0/28

Left In: 0.001+/-0.000 χ^2/NDF:9878422.3/22

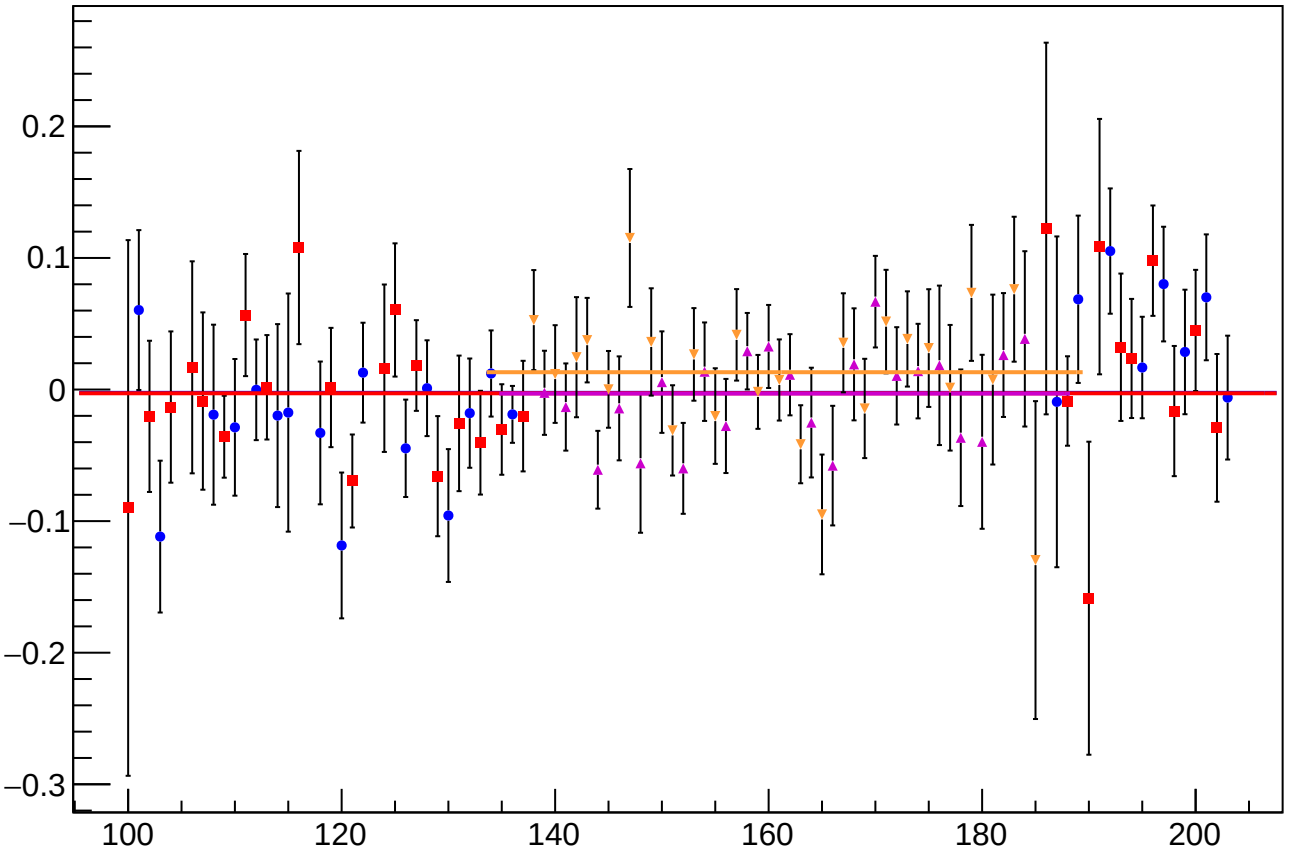
Left: 0.001+/-0.000 χ^2/NDF: 21058948.3/47

Right: 0.001+/-0.000 χ^2/NDF: 7578759.4/52

In: 0.001+/-0.000 χ^2/NDF:14575687.2/46

Out: 0.001+/-0.000 χ^2/NDF:14564829.8/53

All: 0.001+/-0.000 χ^2/NDF: 29303501.6/100



Right In: -0.003+/-0.009 χ^2/NDF: 28.5/23

Left Out: 0.013+/-0.008 χ^2/NDF:25.4/24

Right Out: -0.003+/-0.009 χ^2/NDF: 26.6/28

Left In: -0.003+/-0.008 χ^2/NDF:19.2/22

Left: 0.005+/-0.006 χ^2/NDF: 46.7/47

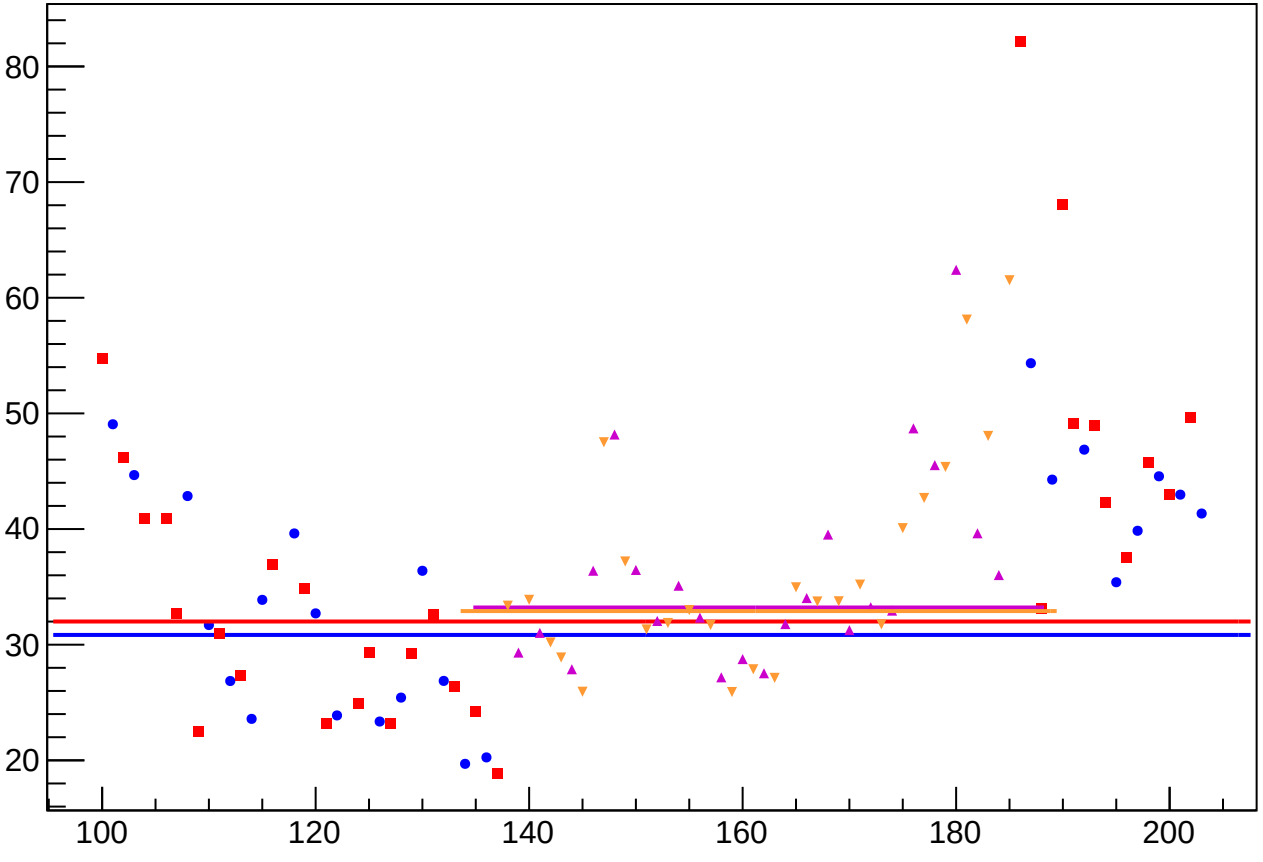
Right: -0.003+/-0.006 χ^2/NDF: 55.1/52

In: -0.003+/-0.006 χ^2/NDF:47.7/46

Out: 0.006+/-0.006 χ^2/NDF:53.8/53

All: 0.002+/-0.004 χ^2/NDF: 102.7/100

asym_sam_15_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 30.844+/-0.006 χ^2/NDF: 2299549.0/23

Left Out: 32.907+/-0.005 χ^2/NDF:1427993.7/24

Right Out: 32.005+/-0.006 χ^2/NDF: 2368916.2/28

Left In: 33.217+/-0.006 χ^2/NDF:1221516.5/22

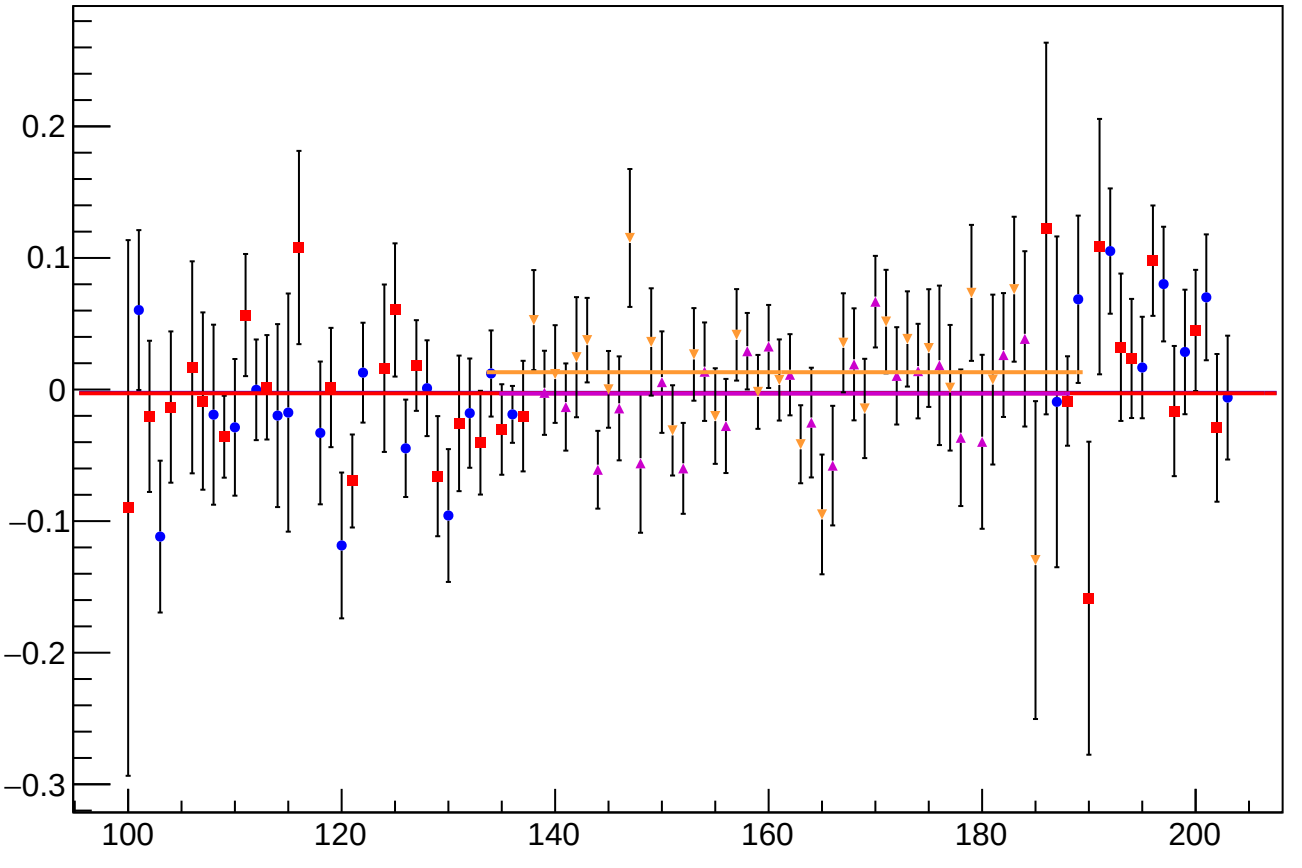
Left: 33.056+/-0.004 χ^2/NDF: 2651077.1/47

Right: 31.432+/-0.004 χ^2/NDF: 4685317.5/52

In: 32.175+/-0.004 χ^2/NDF:3599021.8/46

Out: 32.522+/-0.004 χ^2/NDF:3808708.3/53

All: 32.353+/-0.003 χ^2/NDF: 7411193.8/100



Right In: -0.003+/-0.009 χ^2/NDF: 28.5/23

Left Out: 0.013+/-0.008 χ^2/NDF:25.4/24

Right Out: -0.003+/-0.009 χ^2/NDF: 26.6/28

Left In: -0.003+/-0.008 χ^2/NDF:19.2/22

Left: 0.005+/-0.006 χ^2/NDF: 46.7/47

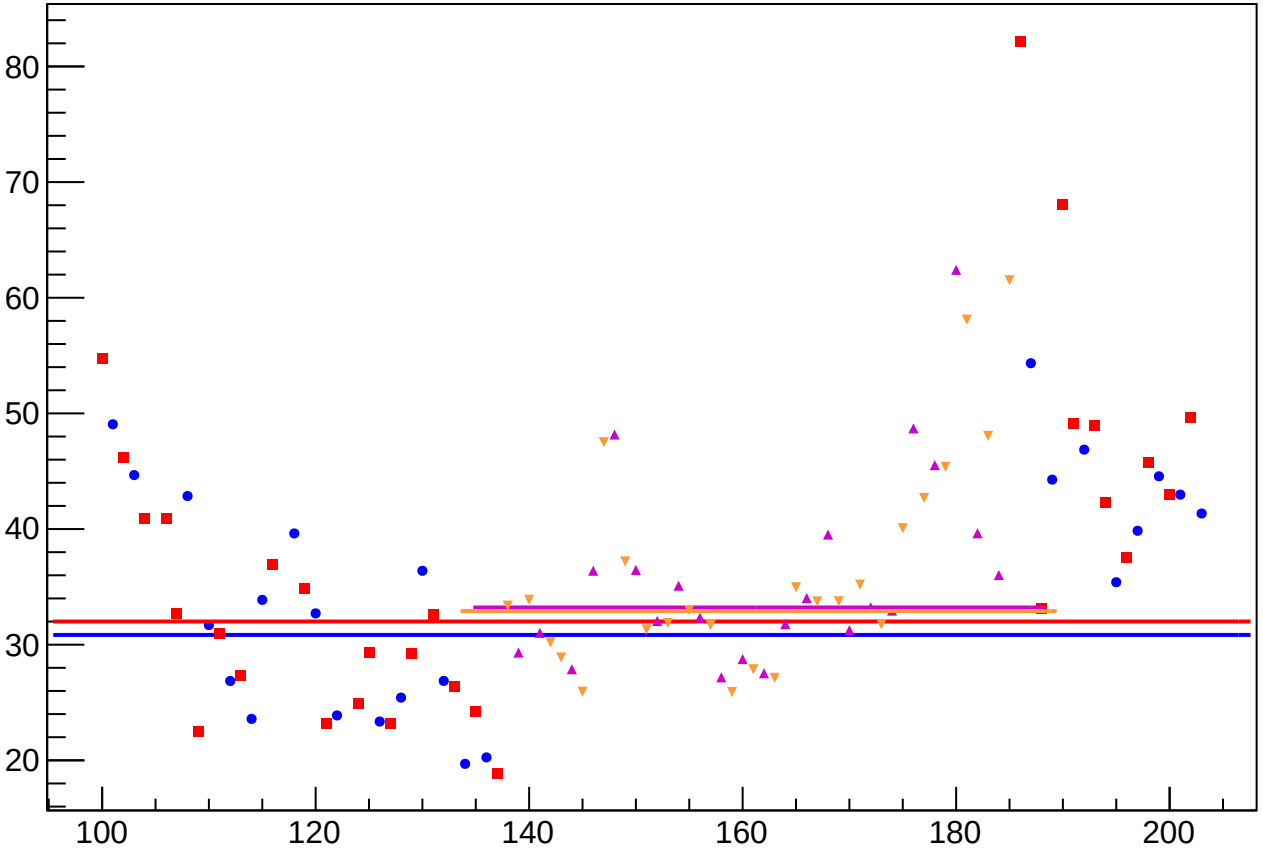
Right: -0.003+/-0.006 χ^2/NDF: 55.1/52

In: -0.003+/-0.006 χ^2/NDF:47.7/46

Out: 0.006+/-0.006 χ^2/NDF:53.8/53

All: 0.002+/-0.004 χ^2/NDF: 102.7/100

asym_sam_15_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 30.844+/-0.006 χ^2/NDF: 2299549.0/23

Left Out: 32.907+/-0.005 χ^2/NDF:1427993.7/24

Right Out: 32.005+/-0.006 χ^2/NDF: 2368916.2/28

Left In: 33.217+/-0.006 χ^2/NDF:1221516.5/22

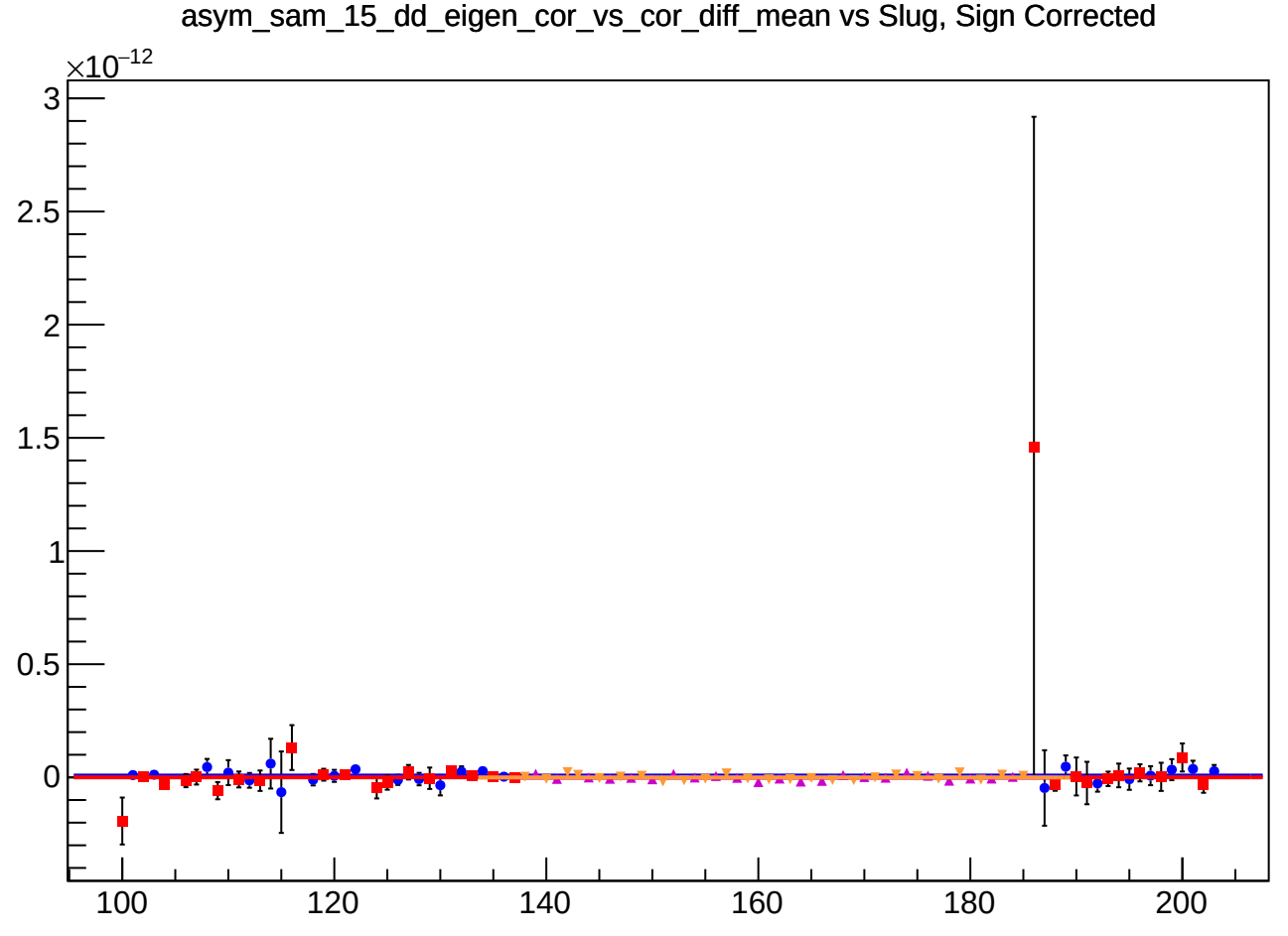
Left: 33.056+/-0.004 χ^2/NDF: 2651077.1/47

Right: 31.432+/-0.004 χ^2/NDF: 4685317.5/52

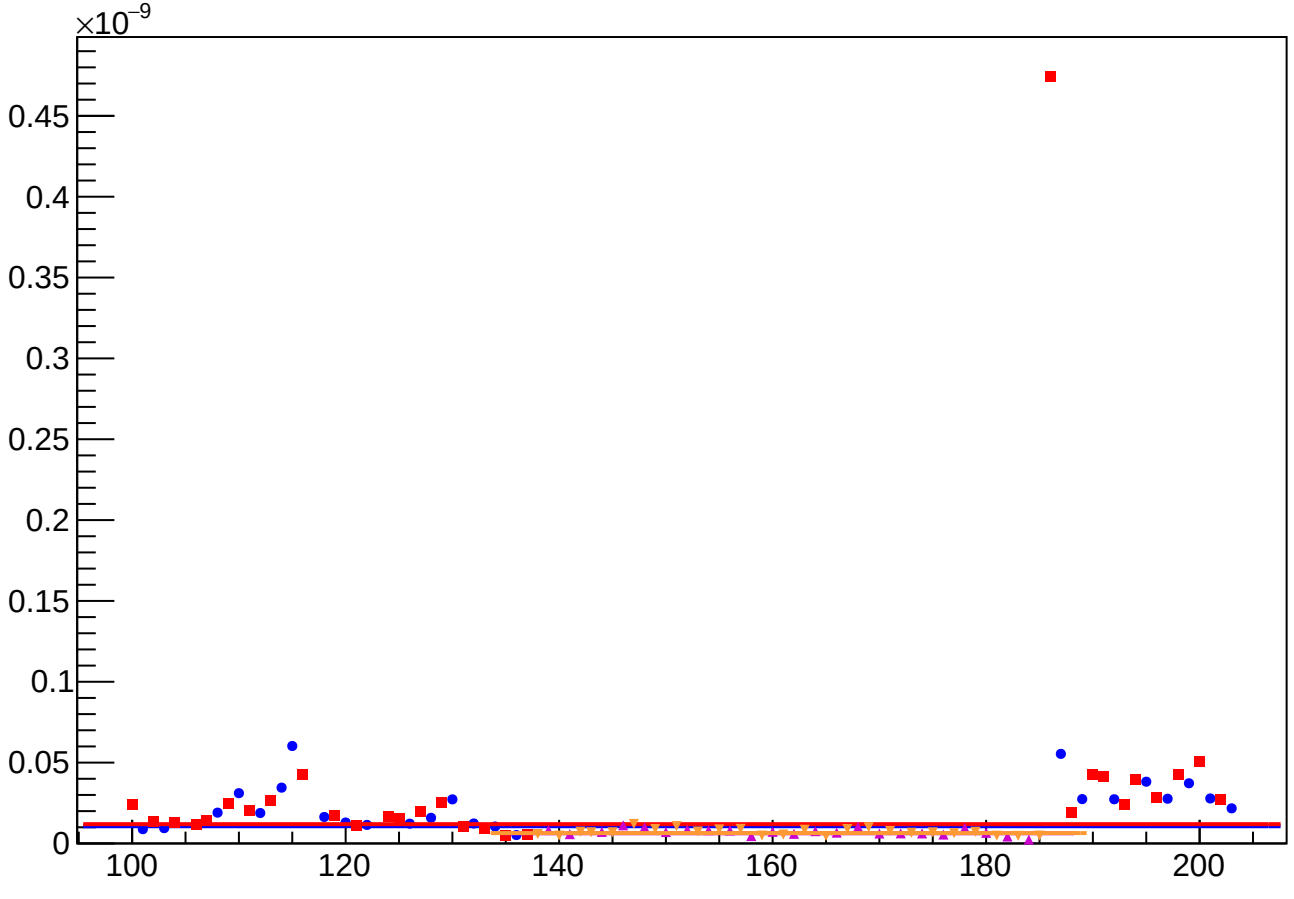
In: 32.175+/-0.004 χ^2/NDF:3599021.8/46

Out: 32.522+/-0.004 χ^2/NDF:3808708.3/53

All: 32.353+/-0.003 χ^2/NDF: 7411193.8/100


asym_sam_15_dd_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
3
2.5
2
1.5
1
0.5
0
100
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 11.6/23
Left Out: -0.000+/-0.000 χ²/NDF:31.0/24
Right Out: 0.000+/-0.000 χ²/NDF: 21.3/28
Left In: -0.000+/-0.000 χ²/NDF:25.3/22
Left: -0.000+/-0.000 χ²/NDF: 56.5/47
Right: 0.000+/-0.000 χ²/NDF: 34.3/52
In: 0.000+/-0.000 χ²/NDF:40.6/46
Out: -0.000+/-0.000 χ²/NDF:52.3/53
All: 0.000+/-0.000 χ²/NDF: 92.9/100

asym_sam_15_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 5917105.8/23

Left Out: 0.000+/-0.000 χ^2/NDF:1879116.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 6678667.8/28

Left In: 0.000+/-0.000 χ^2/NDF:2127144.3/22

Left: 0.000+/-0.000 χ^2/NDF: 4010035.8/47

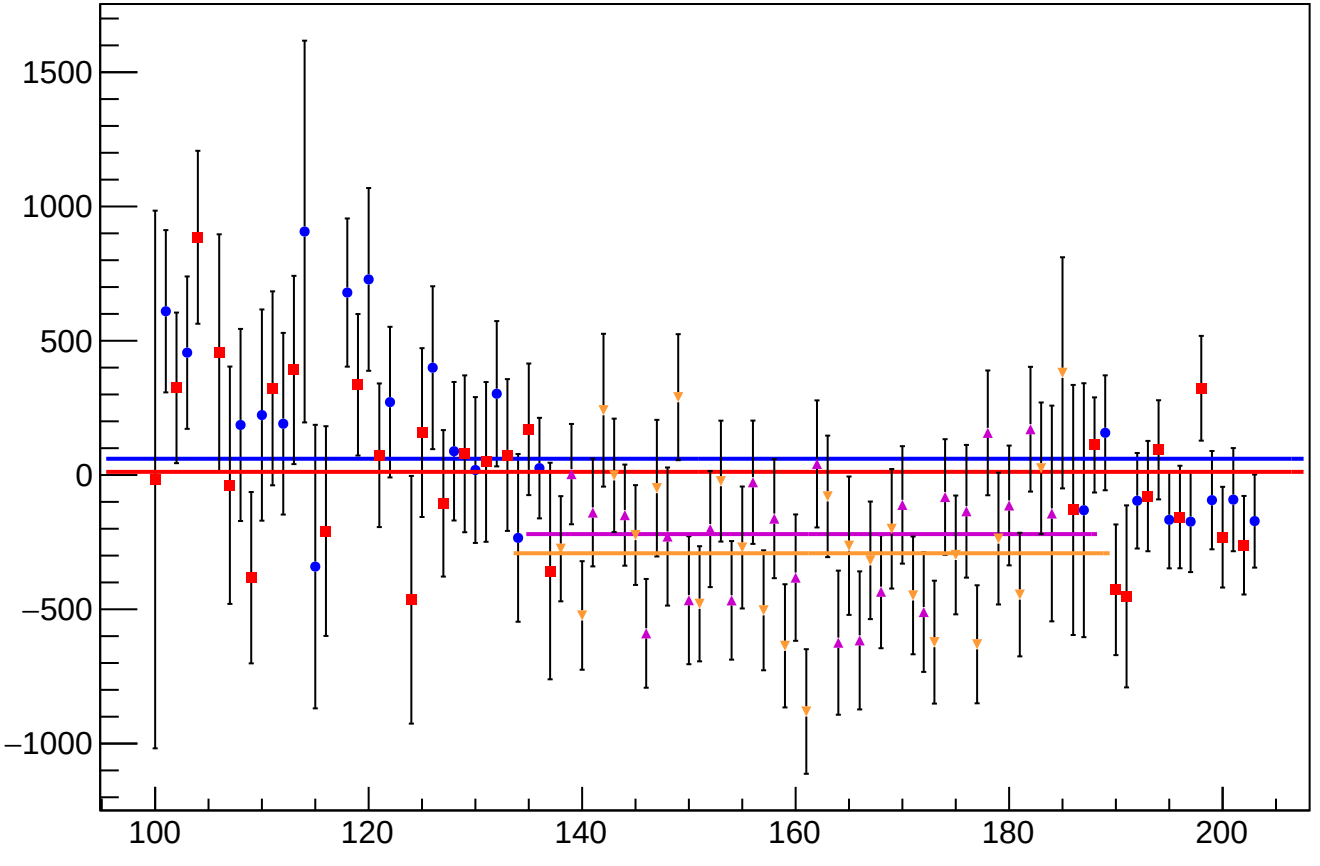
Right: 0.000+/-0.000 χ^2/NDF: 12675096.6/52

In: 0.000+/-0.000 χ^2/NDF:9723647.7/46

Out: 0.000+/-0.000 χ^2/NDF:10986769.0/53

All: 0.000+/-0.000 χ^2/NDF: 20718445.4/100

reg_asym_sam_26_dd_mean vs Slug, Sign Corrected



Right In: 60.582+/-50.934 χ^2/NDF: 27.6/23

Left Out: -291.313+/-45.614 χ^2/NDF:36.4/24

Right Out: 11.798+/-49.522 χ^2/NDF: 30.9/28

Left In: -219.974+/-47.146 χ^2/NDF:23.7/22

Left: -256.821+/-32.782 χ^2/NDF: 61.3/47

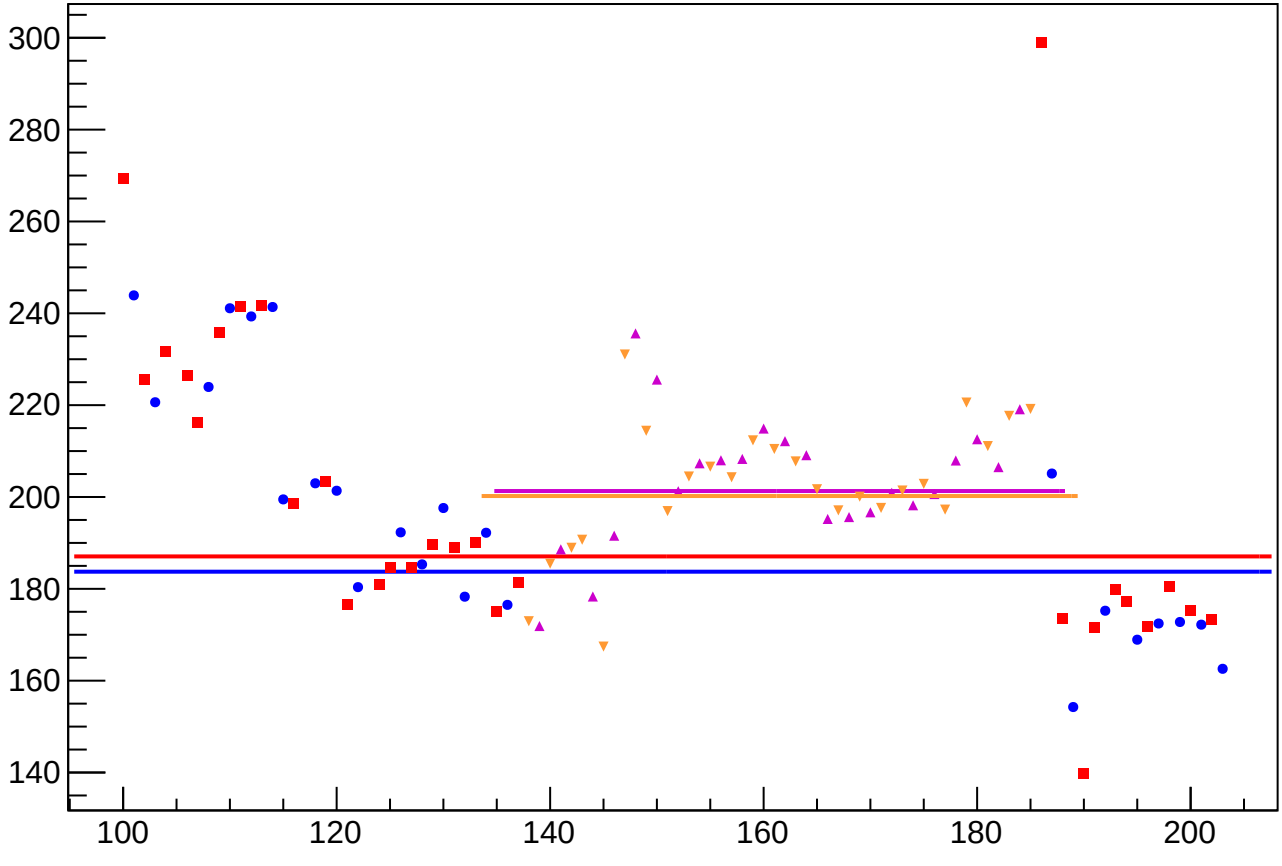
Right: 35.505+/-35.506 χ^2/NDF: 59.0/52

In: -90.515+/-34.599 χ^2/NDF:67.6/46

Out: -152.189+/-33.551 χ^2/NDF:87.6/53

All: -122.301+/-24.086 χ^2/NDF: 156.8/100

reg_asym_sam_26_dd_rms vs Slug, Sign Corrected



Right In: 183.733+/-0.036 χ^2/NDF: 388828.8/23

Left Out: 200.210+/-0.032 χ^2/NDF:204393.9/24

Right Out: 187.060+/-0.035 χ^2/NDF: 522658.3/28

Left In: 201.297+/-0.033 χ^2/NDF:181646.8/22

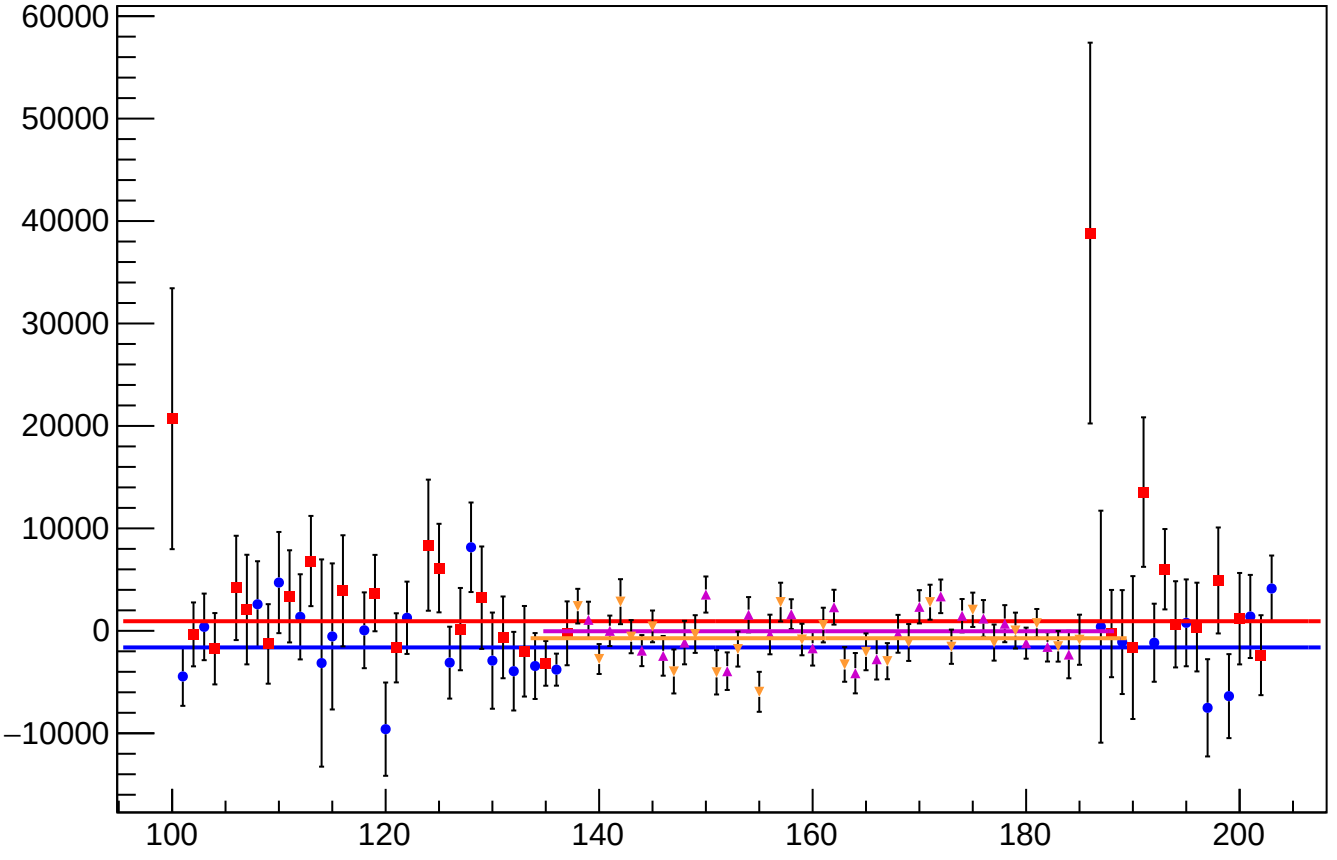
Left: 200.736+/-0.023 χ^2/NDF: 386590.4/47

Right: 185.443+/-0.025 χ^2/NDF: 915875.0/52

In: 193.192+/-0.024 χ^2/NDF:698571.3/46

Out: 194.174+/-0.024 χ^2/NDF:803341.8/53

All: 193.699+/-0.017 χ^2/NDF: 1502743.3/100



Right In: -1618.791+/-747.992 χ^2/NDF: 23.4/23

Left Out: -720.700+/-346.376 χ^2/NDF:38.3/24

Right Out: 938.189+/-776.428 χ^2/NDF: 25.2/28

Left In: -39.277+/-359.265 χ^2/NDF:34.4/22

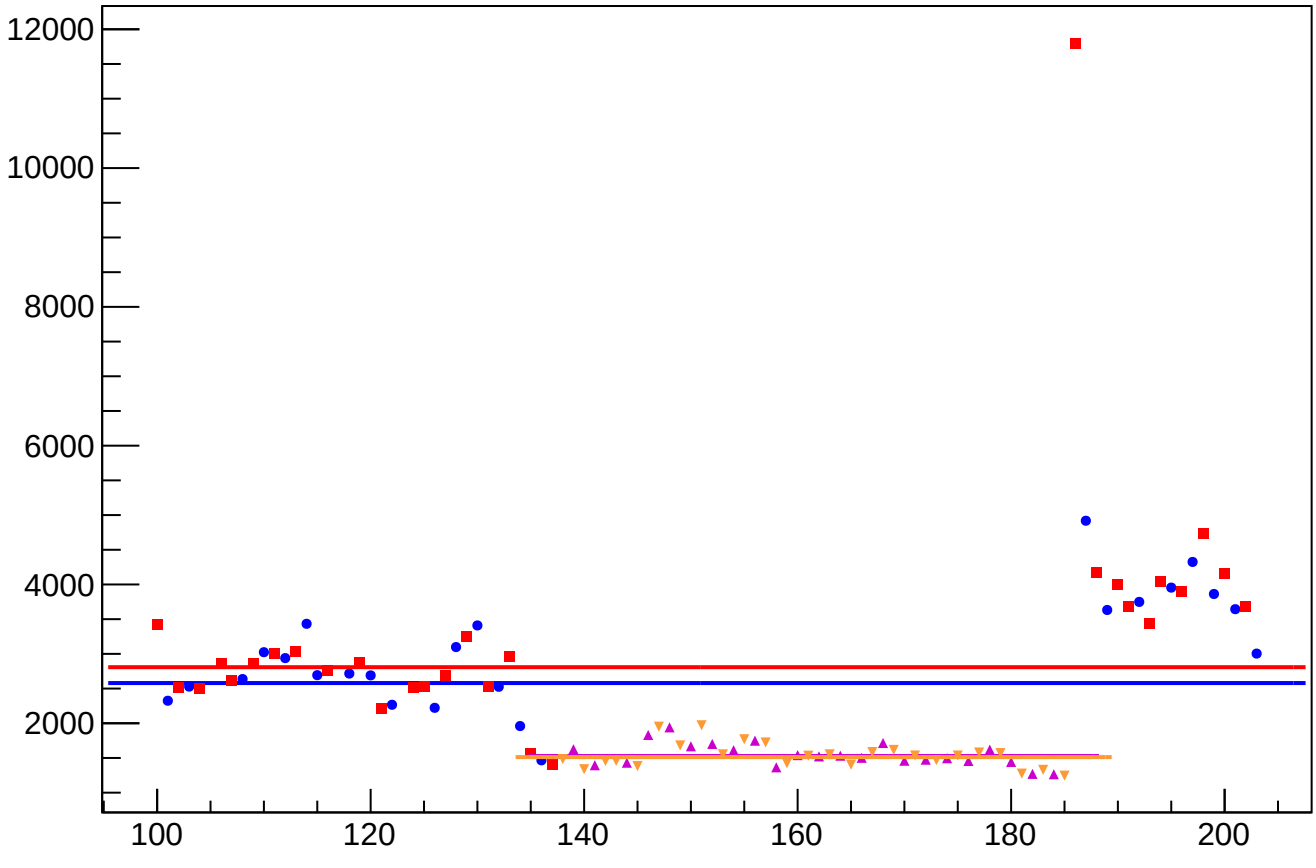
Left: -392.431+/-249.357 χ^2/NDF: 74.6/47

Right: -387.982+/-538.683 χ^2/NDF: 54.2/52

In: -335.357+/-323.847 χ^2/NDF:61.4/46

Out: -445.351+/-316.326 χ^2/NDF:67.3/53

All: -391.646+/-226.288 χ^2/NDF: 128.7/100



Right In: 2579.524+/-0.529 χ^2/NDF: 2490885.3/23

Left Out: 1512.365+/-0.245 χ^2/NDF:442558.0/24

Right Out: 2808.044+/-0.549 χ^2/NDF: 2888834.7/28

Left In: 1527.964+/-0.254 χ^2/NDF:373844.4/22

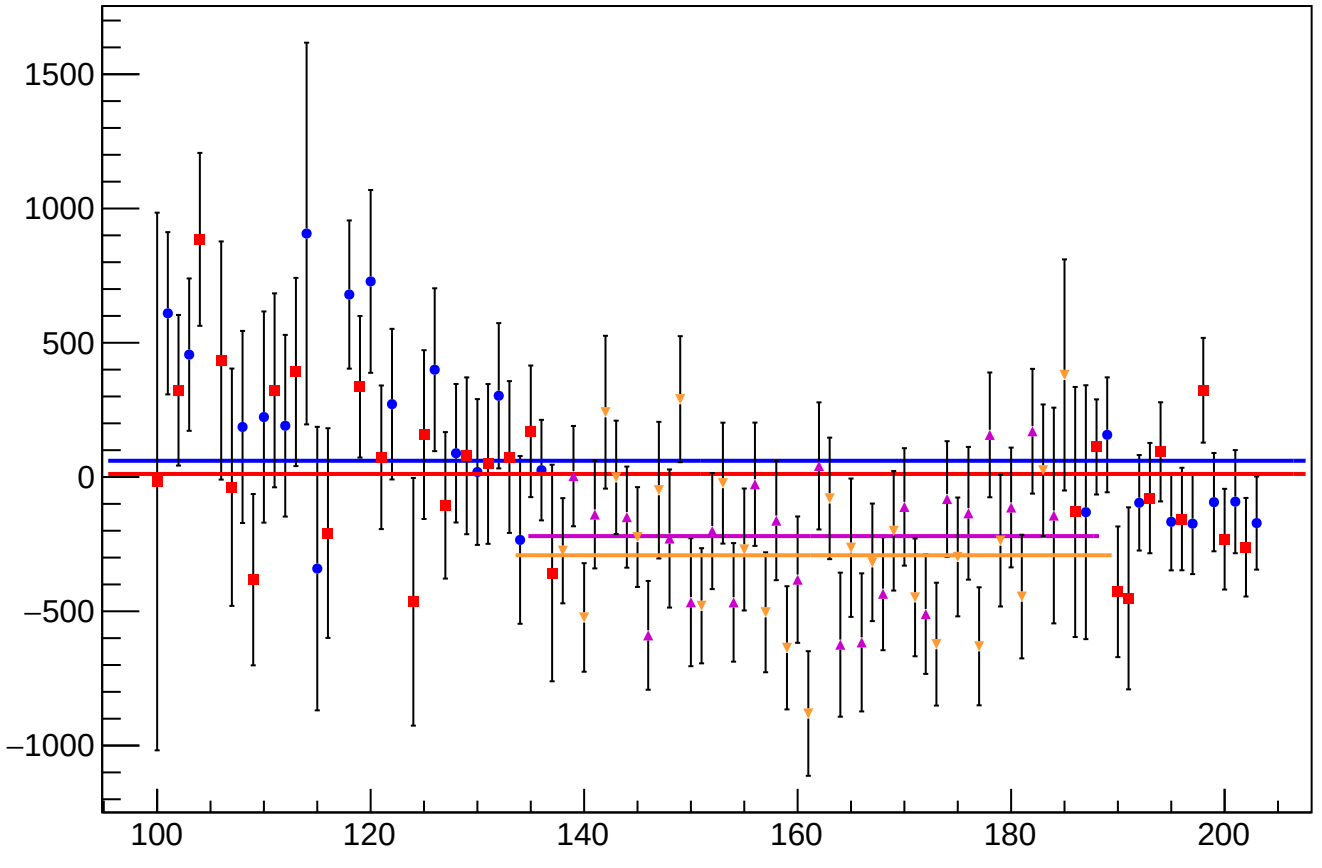
Left: 1519.879+/-0.176 χ^2/NDF: 818356.6/47

Right: 2689.523+/-0.381 χ^2/NDF: 5469576.8/52

In: 1725.079+/-0.229 χ^2/NDF:6076568.2/46

Out: 1727.427+/-0.224 χ^2/NDF:7976515.6/53

All: 1726.281+/-0.160 χ^2/NDF: 14053137.6/1



Right In: 60.578+/-50.934 χ^2/NDF: 27.6/23

Left Out: -291.316+/-45.614 χ^2/NDF:36.4/24

Right Out: 11.435+/-49.525 χ^2/NDF: 30.8/28

Left In: -219.983+/-47.146 χ^2/NDF:23.7/22

Left: -256.827+/-32.782 χ^2/NDF: 61.3/47

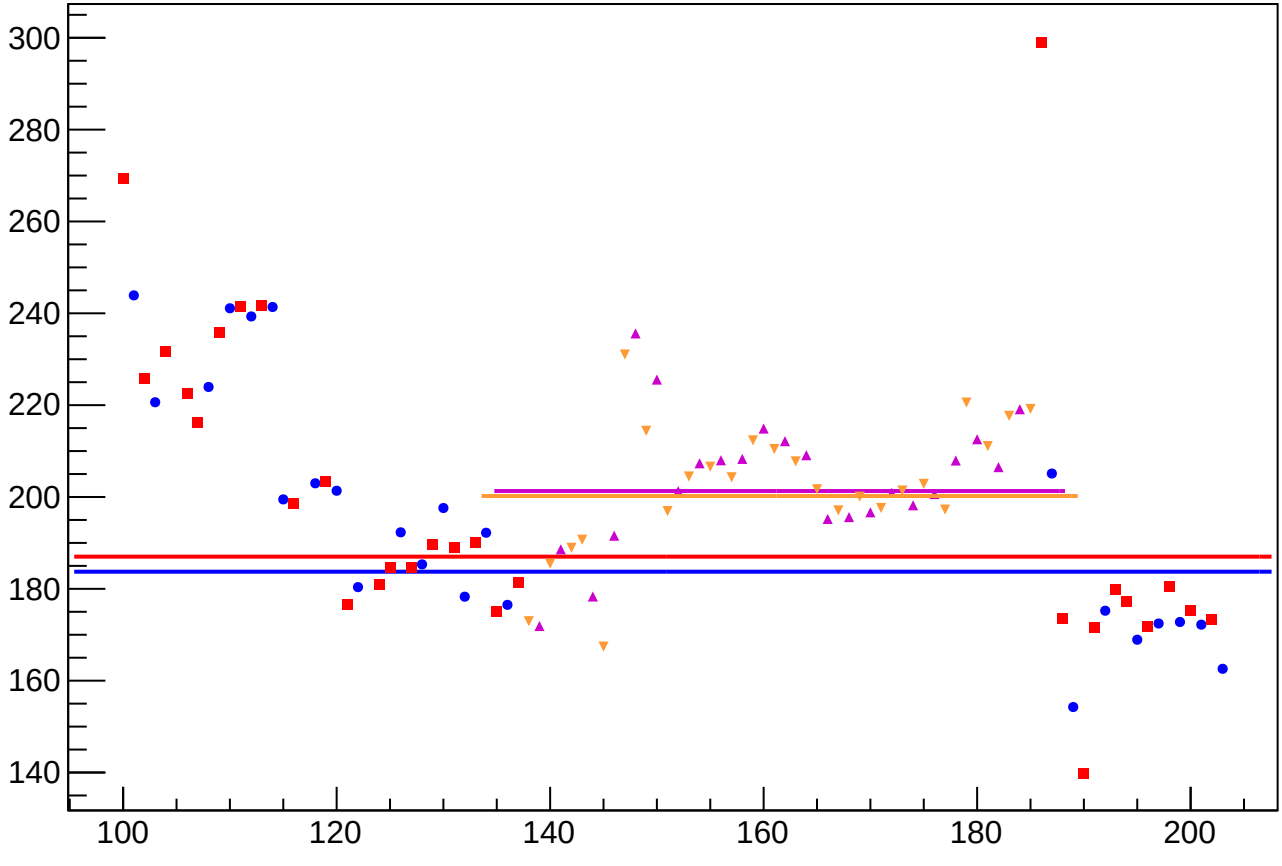
Right: 35.318+/-35.507 χ^2/NDF: 58.9/52

In: -90.522+/-34.599 χ^2/NDF:67.6/46

Out: -152.366+/-33.552 χ^2/NDF:87.4/53

All: -122.394+/-24.086 χ^2/NDF: 156.7/100

cor_asym_sam_26_dd_rms vs Slug, Sign Corrected



Right In: 183.733+/-0.036 χ^2/NDF: 388829.3/23

Left Out: 200.210+/-0.032 χ^2/NDF:204394.0/24

Right Out: 187.008+/-0.035 χ^2/NDF: 519637.4/28

Left In: 201.297+/-0.033 χ^2/NDF:181646.8/22

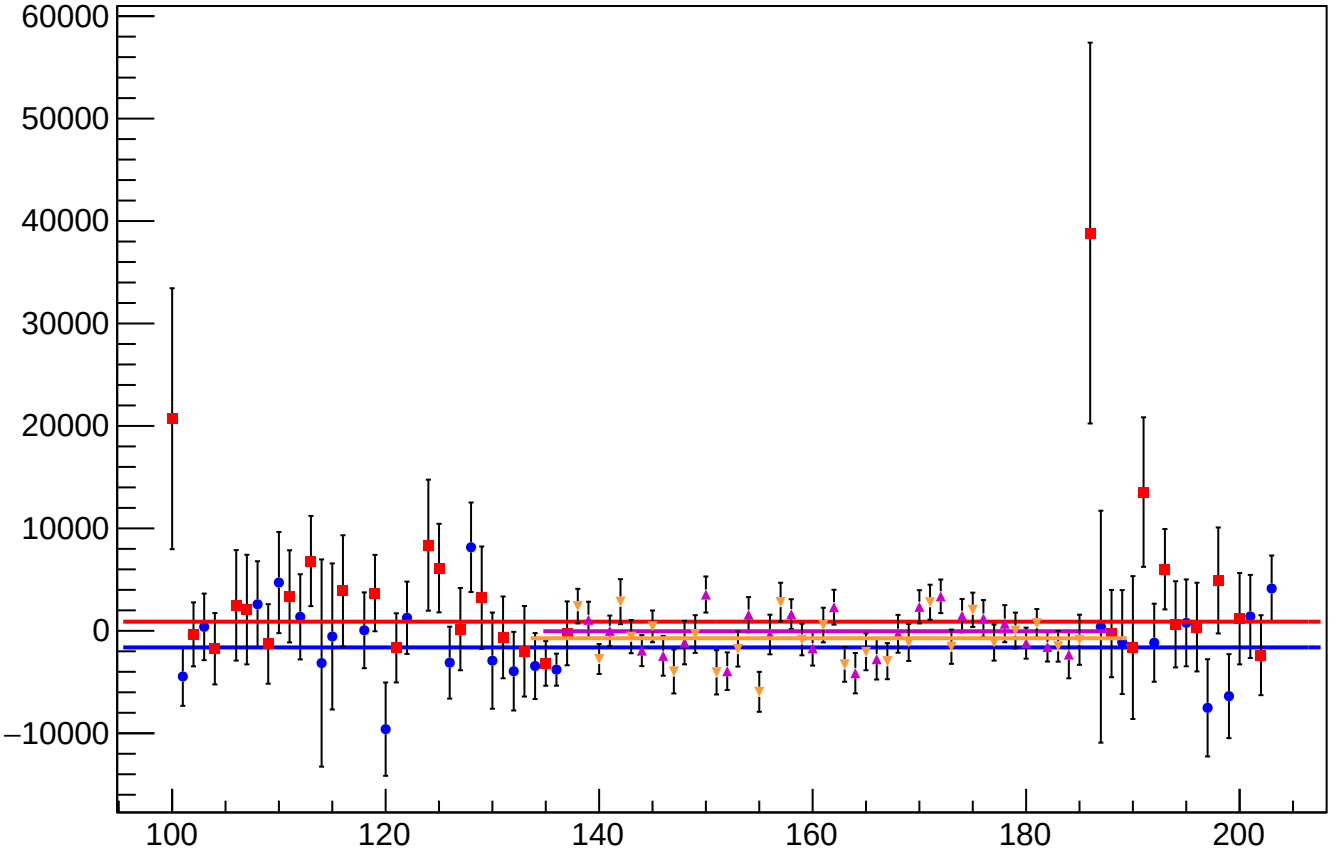
Left: 200.736+/-0.023 χ^2/NDF: 386590.4/47

Right: 185.417+/-0.025 χ^2/NDF: 912718.9/52

In: 193.192+/-0.024 χ^2/NDF:698571.7/46

Out: 194.151+/-0.024 χ^2/NDF:800917.7/53

All: 193.686+/-0.017 χ^2/NDF: 1500280.6/100



Right In: -1618.764+/-747.993 χ^2/NDF: 23.4/23

Left Out: -720.705+/-346.376 χ^2/NDF:38.3/24

Right Out: 894.814+/-777.429 χ^2/NDF: 24.8/28

Left In: -39.275+/-359.265 χ^2/NDF:34.4/22

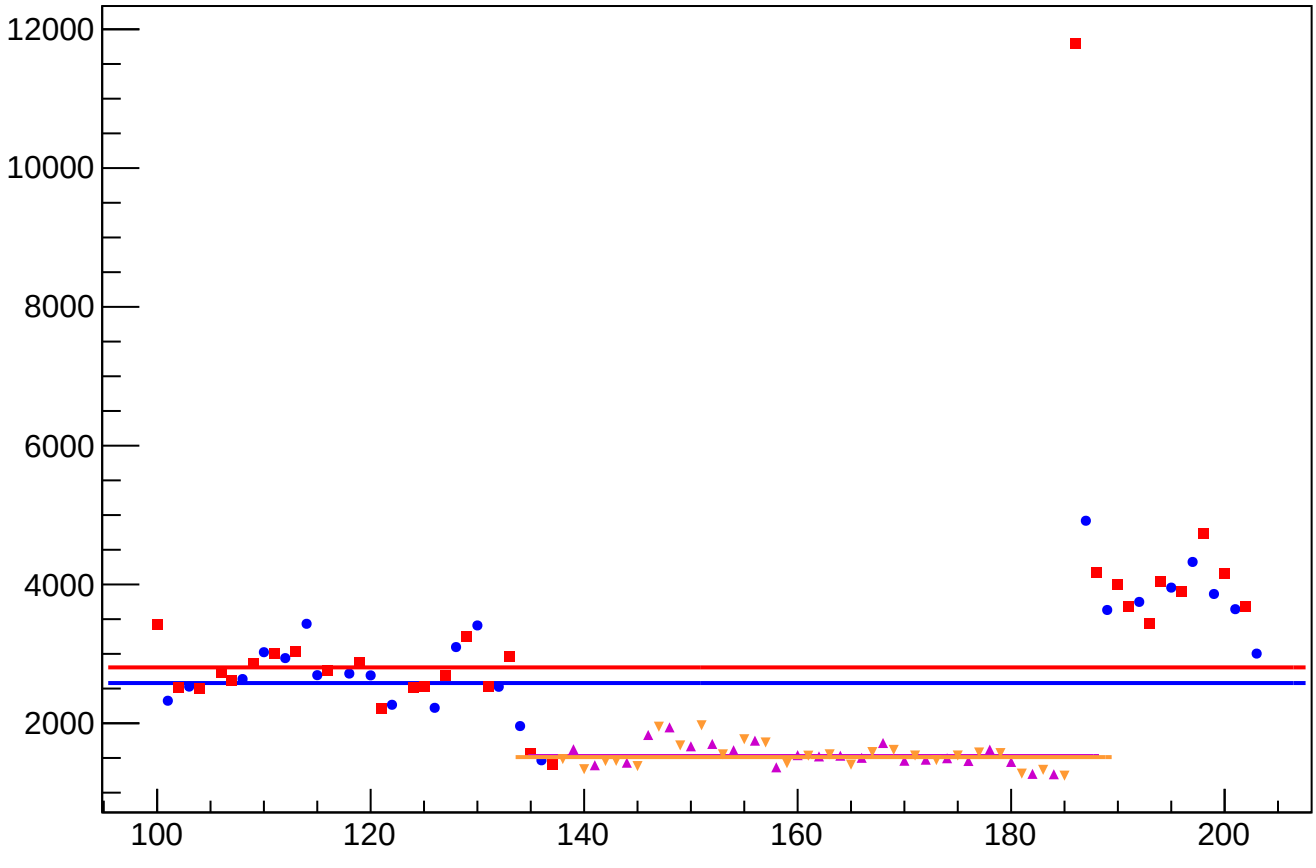
Left: -392.433+/-249.357 χ^2/NDF: 74.6/47

Right: -410.462+/-539.017 χ^2/NDF: 53.7/52

In: -335.350+/-323.847 χ^2/NDF:61.4/46

Out: -453.130+/-316.394 χ^2/NDF:66.7/53

All: -395.611+/-226.313 χ^2/NDF: 128.2/100



Right In: 2579.527+/-0.529 χ^2/NDF: 2490881.2/23

Left Out: 1512.365+/-0.245 χ^2/NDF:442559.1/24

Right Out: 2805.134+/-0.550 χ^2/NDF: 2888823.8/28

Left In: 1527.964+/-0.254 χ^2/NDF:373845.3/22

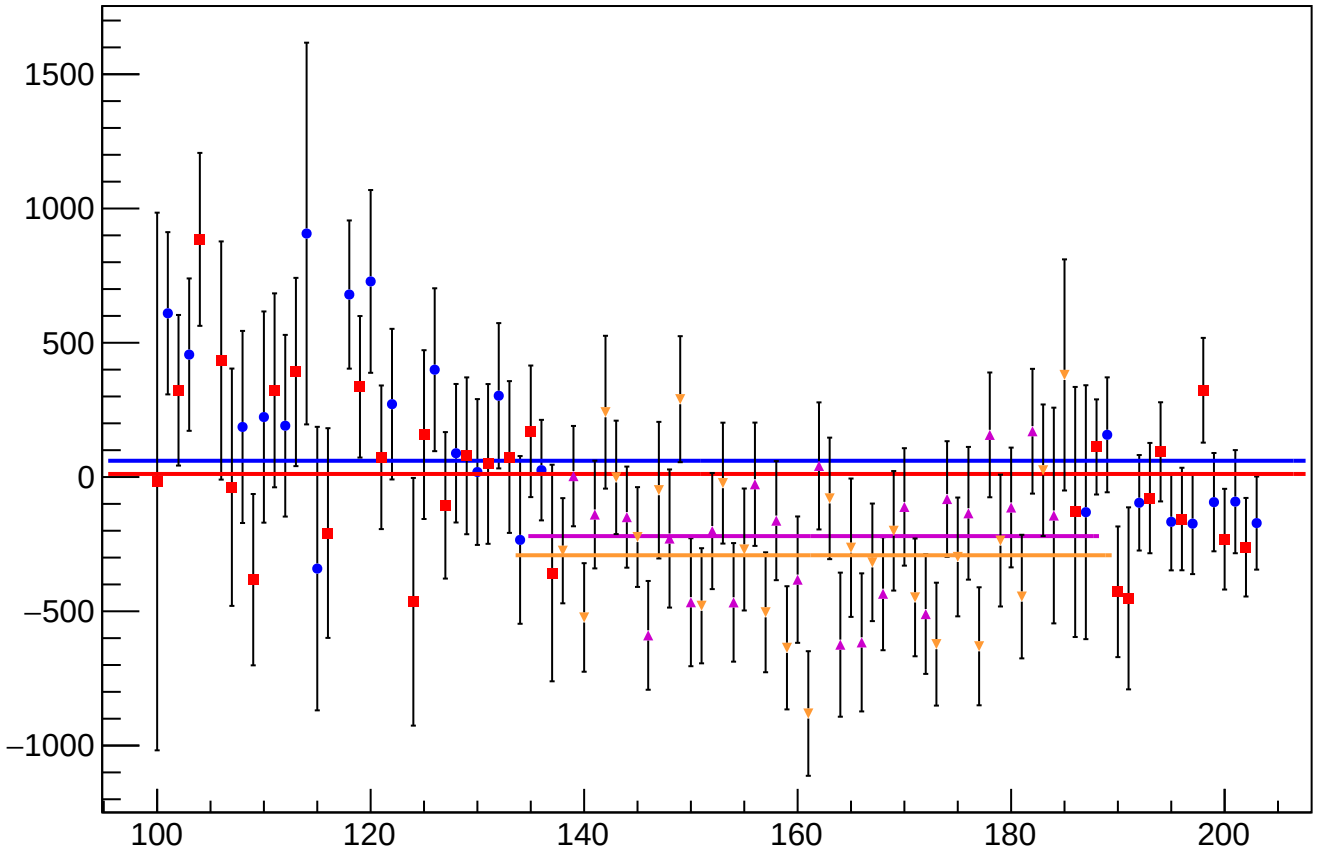
Left: 1519.880+/-0.176 χ^2/NDF: 818358.6/47

Right: 2687.979+/-0.381 χ^2/NDF: 5467167.7/52

In: 1725.080+/-0.229 χ^2/NDF:6076579.2/46

Out: 1726.483+/-0.224 χ^2/NDF:7945730.3/53

All: 1725.798+/-0.160 χ^2/NDF: 14022328.7/1



Right In: 60.578+/-50.934 χ^2/NDF: 27.6/23

Left Out: -291.316+/-45.614 χ^2/NDF:36.4/24

Right Out: 11.435+/-49.525 χ^2/NDF: 30.8/28

Left In: -219.983+/-47.146 χ^2/NDF:23.7/22

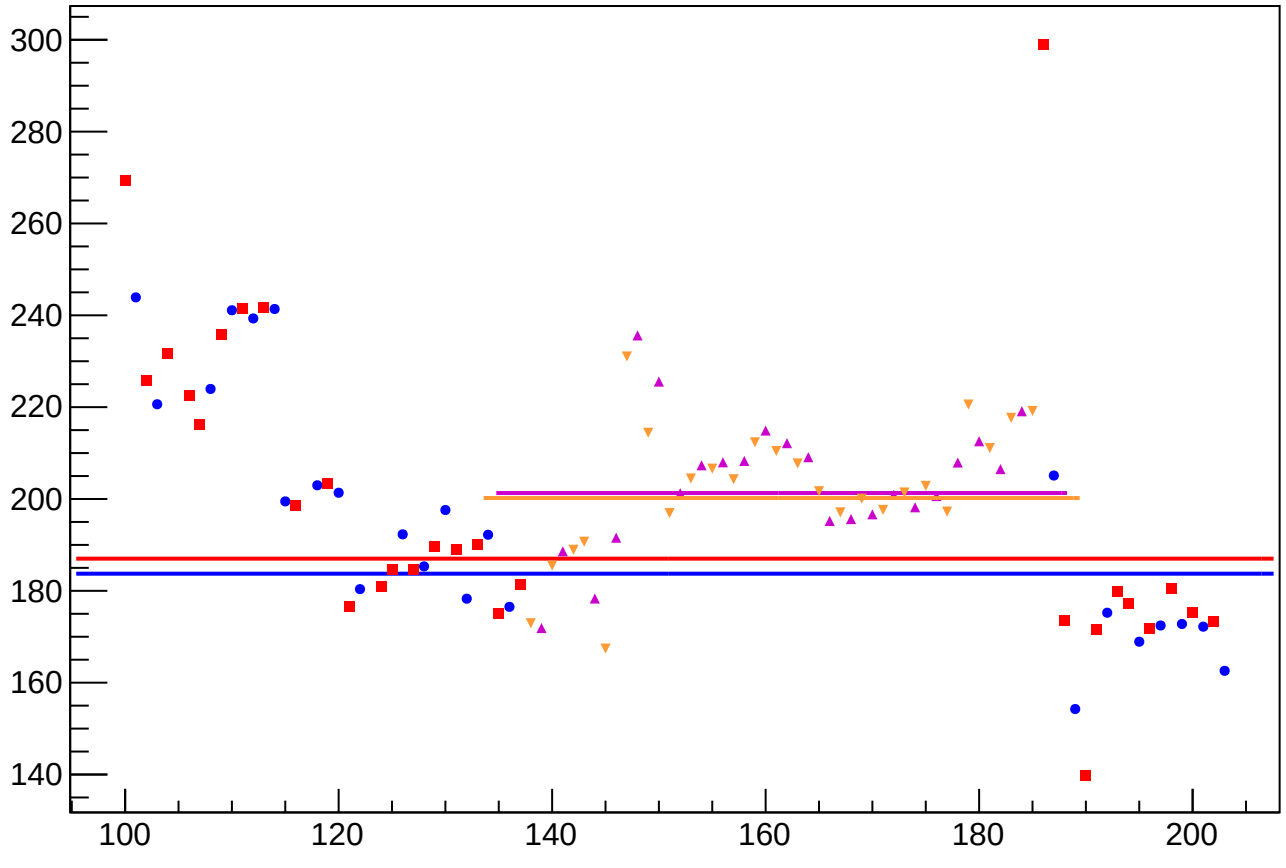
Left: -256.827+/-32.782 χ^2/NDF: 61.3/47

Right: 35.318+/-35.507 χ^2/NDF: 58.9/52

In: -90.522+/-34.599 χ^2/NDF:67.6/46

Out: -152.366+/-33.552 χ^2/NDF:87.4/53

All: -122.394+/-24.086 χ^2/NDF: 156.7/100



Right In: 183.733+/-0.036 χ^2/NDF: 388829.3/23

Left Out: 200.210+/-0.032 χ^2/NDF:204394.0/24

Right Out: 187.008+/-0.035 χ^2/NDF: 519637.4/28

Left In: 201.297+/-0.033 χ^2/NDF:181646.8/22

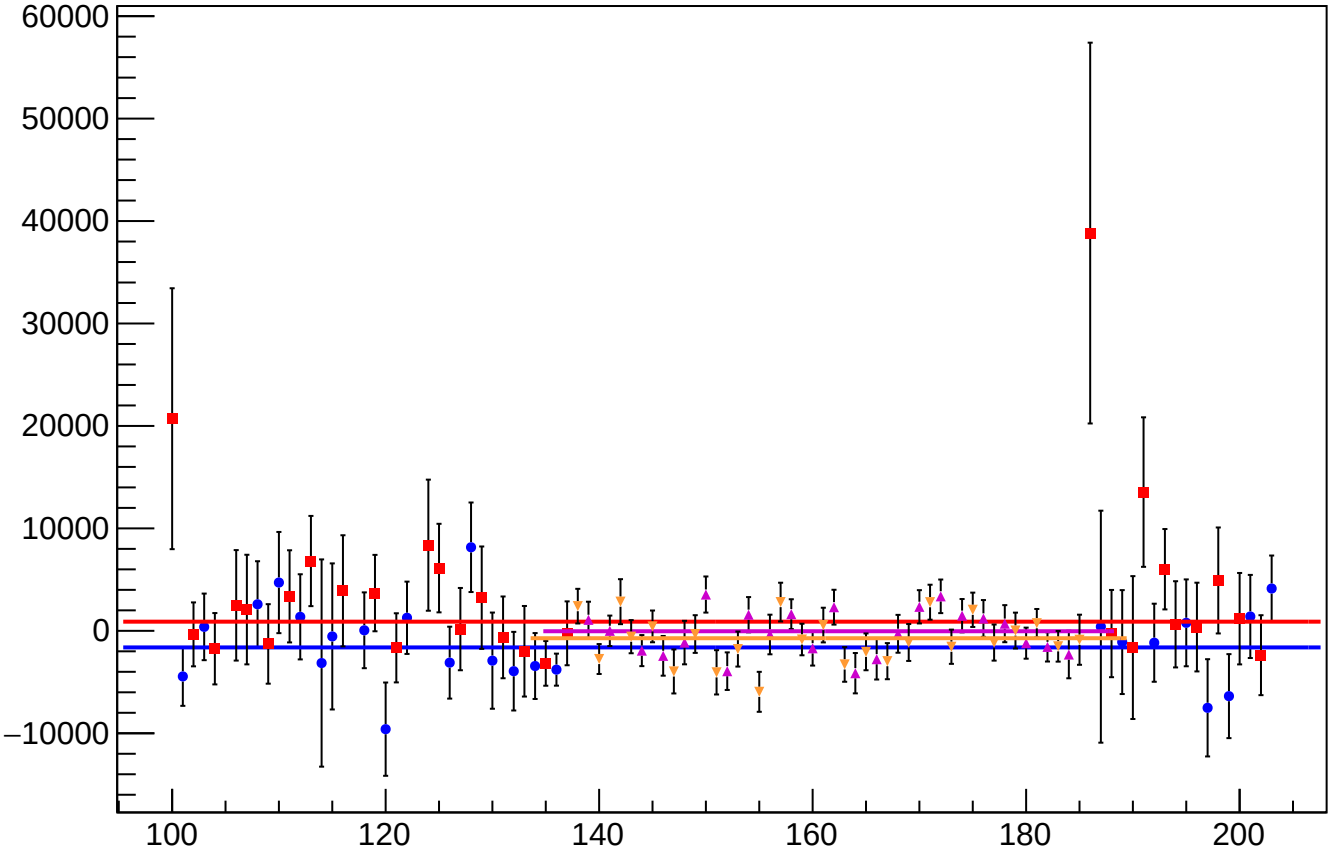
Left: 200.736+/-0.023 χ^2/NDF: 386590.4/47

Right: 185.417+/-0.025 χ^2/NDF: 912718.9/52

In: 193.192+/-0.024 χ^2/NDF:698571.7/46

Out: 194.151+/-0.024 χ^2/NDF:800917.7/53

All: 193.686+/-0.017 χ^2/NDF: 1500280.6/100



Right In: -1618.764+/-747.993 χ^2/NDF: 23.4/23

Left Out: -720.705+/-346.376 χ^2/NDF:38.3/24

Right Out: 894.814+/-777.429 χ^2/NDF: 24.8/28

Left In: -39.275+/-359.265 χ^2/NDF:34.4/22

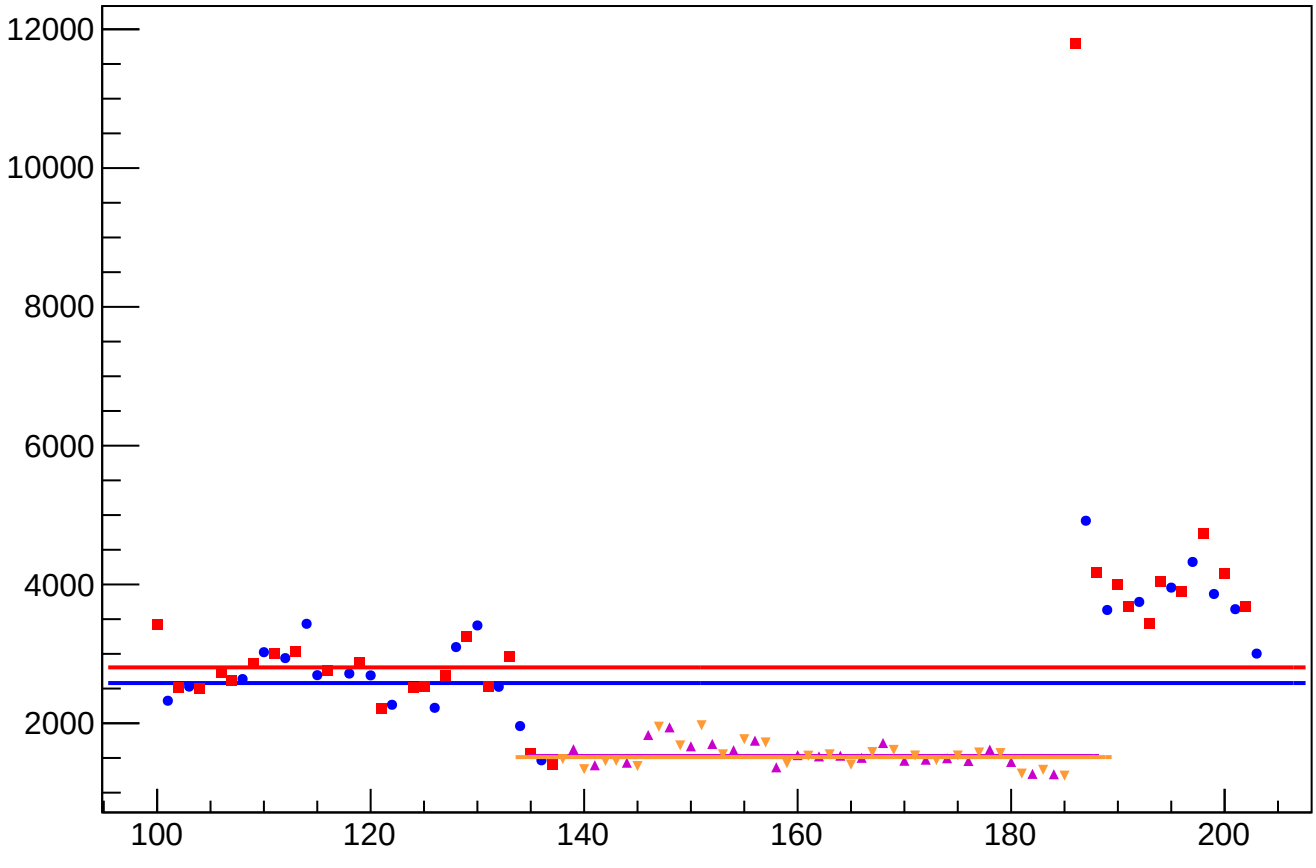
Left: -392.433+/-249.357 χ^2/NDF: 74.6/47

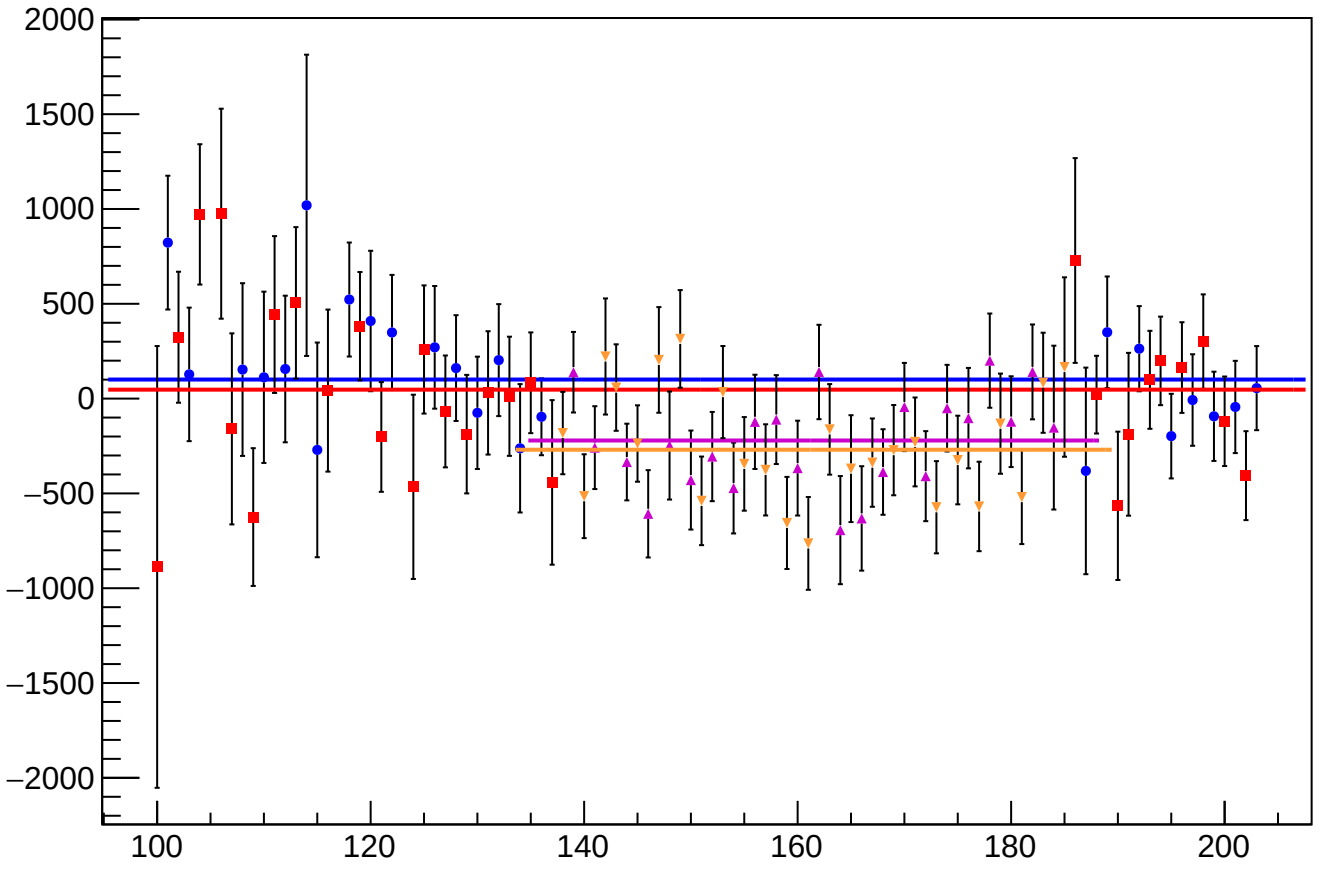
Right: -410.462+/-539.017 χ^2/NDF: 53.7/52

In: -335.350+/-323.847 χ^2/NDF:61.4/46

Out: -453.130+/-316.394 χ^2/NDF:66.7/53

All: -395.611+/-226.313 χ^2/NDF: 128.2/100


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: 2579.527+/-0.529 χ²/NDF: 2490881.2/23
Left Out: 1512.365+/-0.245 χ²/NDF:442559.1/24
Right Out: 2805.134+/-0.550 χ²/NDF: 2888823.8/28
Left In: 1527.964+/-0.254 χ²/NDF:373845.3/22
Left: 1519.880+/-0.176 χ²/NDF: 818358.6/47
Right: 2687.979+/-0.381 χ²/NDF: 5467167.7/52
In: 1725.080+/-0.229 χ²/NDF:6076579.2/46
Out: 1726.483+/-0.224 χ²/NDF:7945730.3/53
All: 1725.798+/-0.160 χ²/NDF: 14022328.7/



Right In: 100.539+/-60.628 χ^2/NDF: 17.3/23

Left Out: -269.678+/-49.158 χ^2/NDF:31.5/24

Right Out: 47.174+/-58.817 χ^2/NDF: 32.1/28

Left In: -220.926+/-50.956 χ^2/NDF:23.4/22

Left: -246.177+/-35.378 χ^2/NDF: 55.3/47

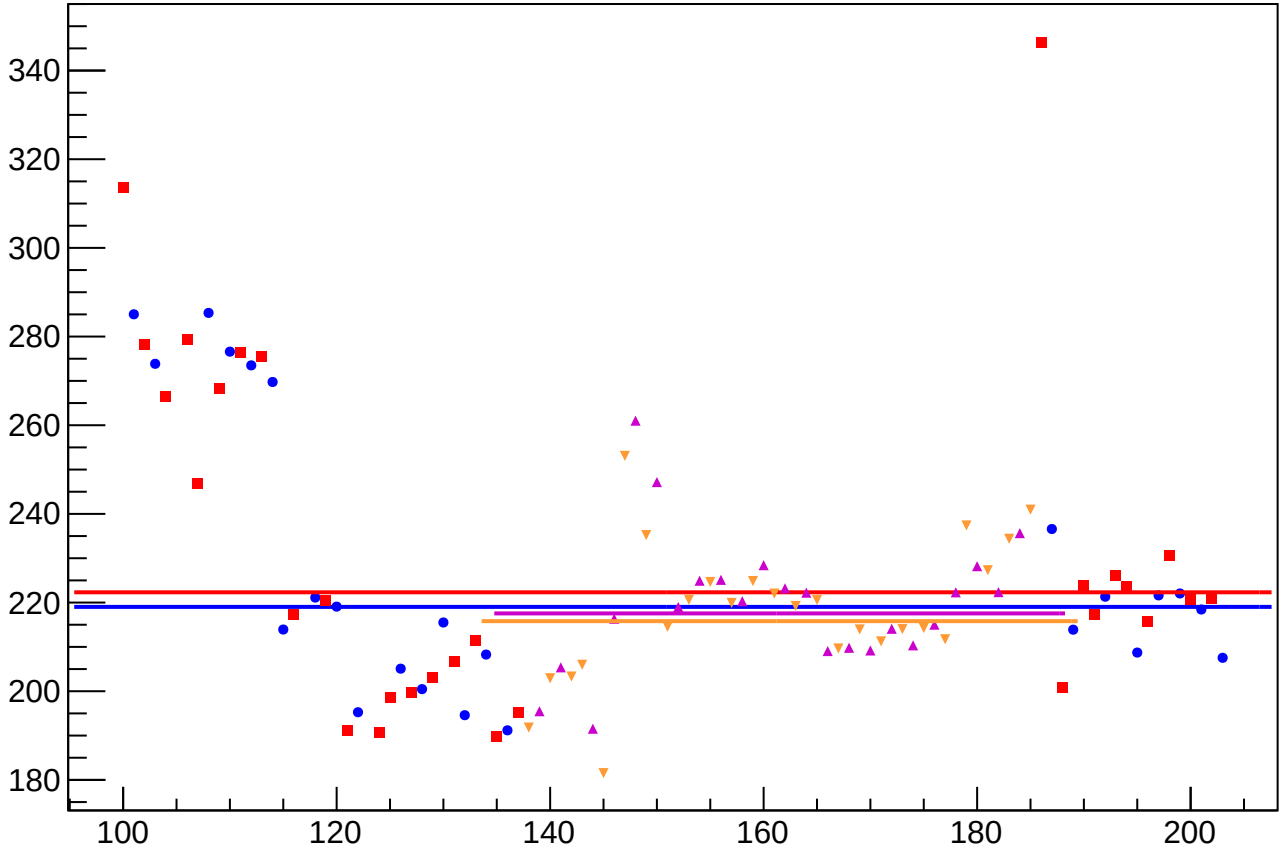
Right: 73.048+/-42.216 χ^2/NDF: 49.8/52

In: -87.851+/-39.008 χ^2/NDF:57.1/46

Out: -139.373+/-37.719 χ^2/NDF:80.7/53

All: -114.478+/-27.116 χ^2/NDF: 138.7/100

dit_asym_sam_26_dd_rms vs Slug, Sign Corrected



Right In: 219.024+/-0.043 χ^2/NDF: 333101.1/23

Left Out: 215.807+/-0.035 χ^2/NDF:188699.2/24

Right Out: 222.315+/-0.042 χ^2/NDF: 459209.0/28

Left In: 217.555+/-0.036 χ^2/NDF:161066.4/22

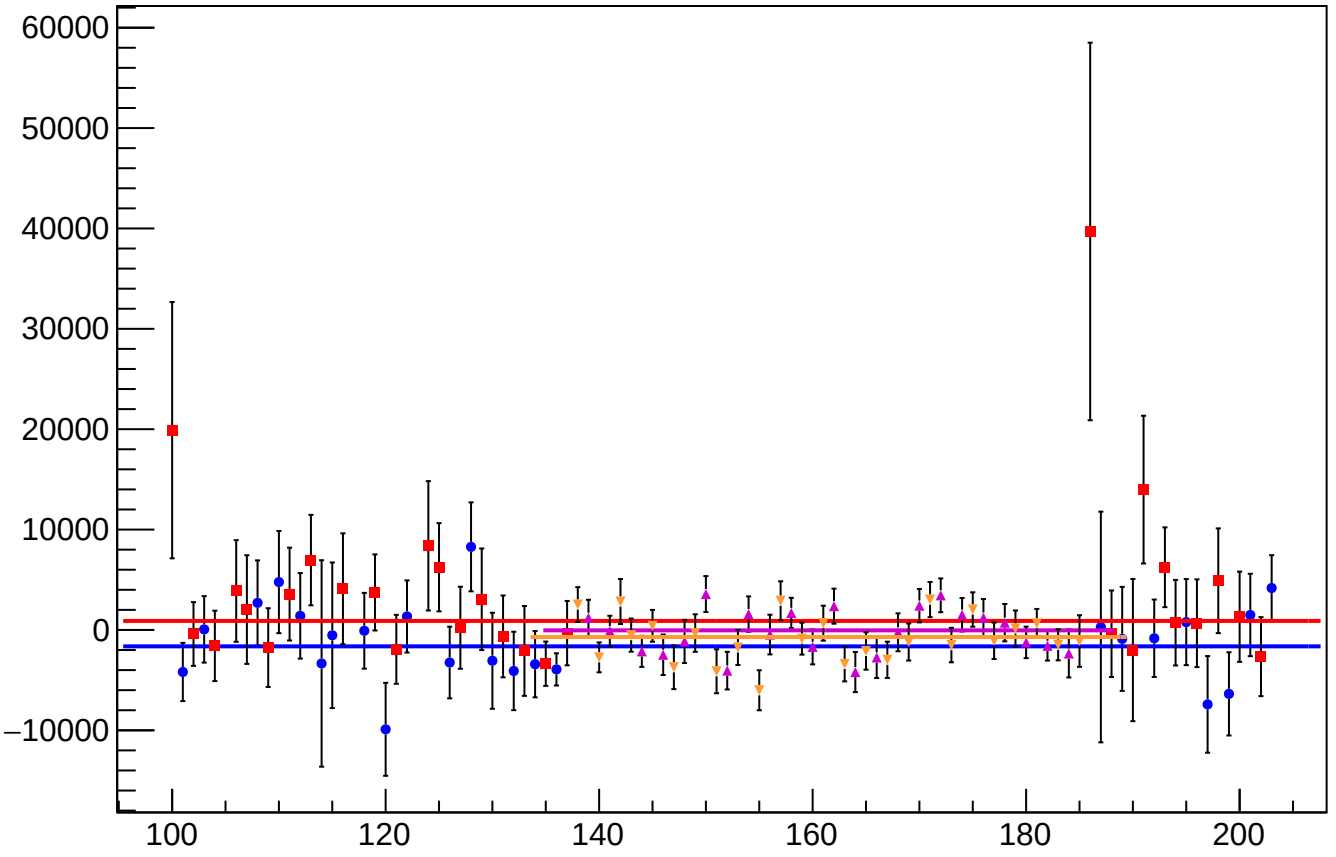
Left: 216.649+/-0.025 χ^2/NDF: 350985.0/47

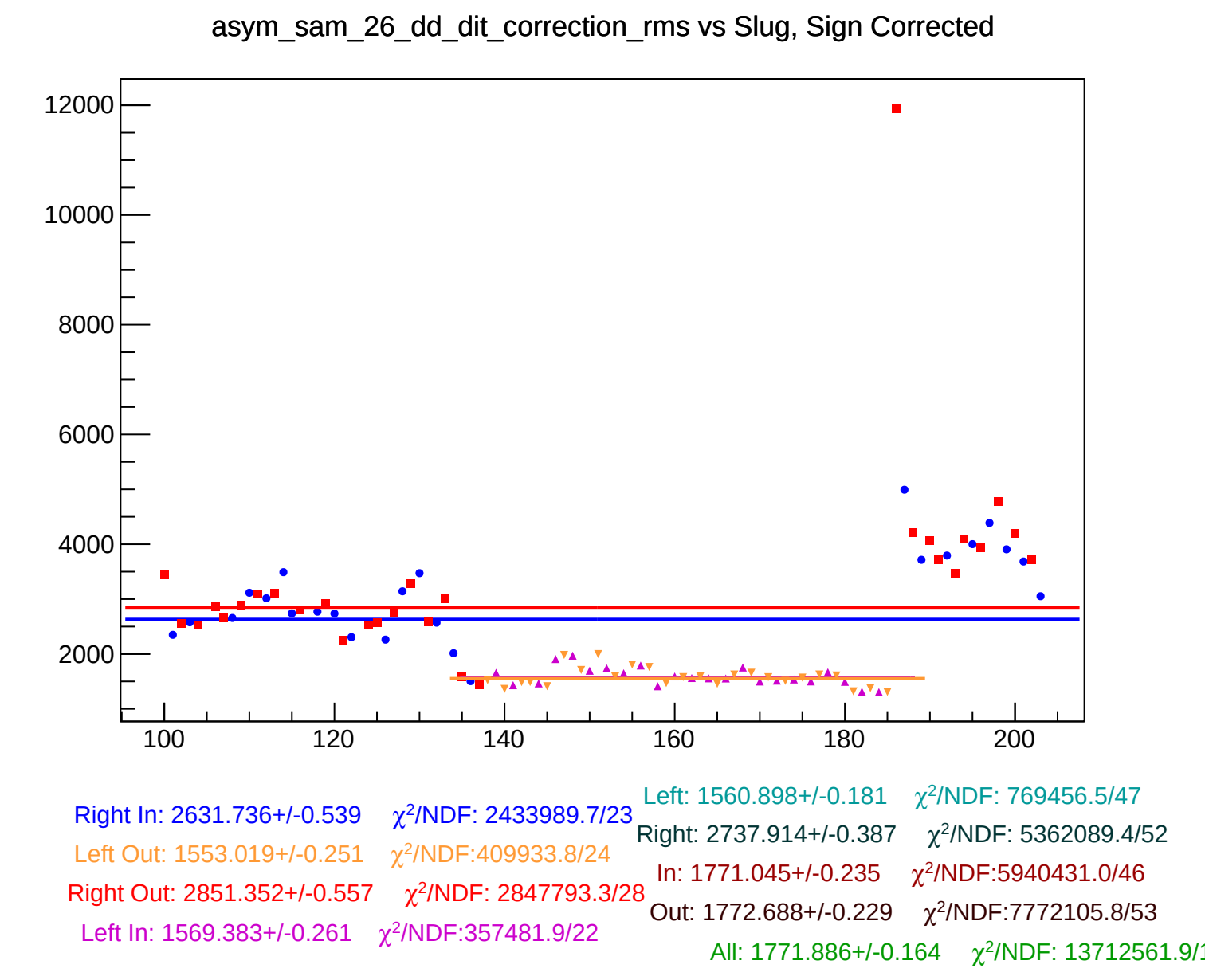
Right: 220.720+/-0.030 χ^2/NDF: 795345.6/52

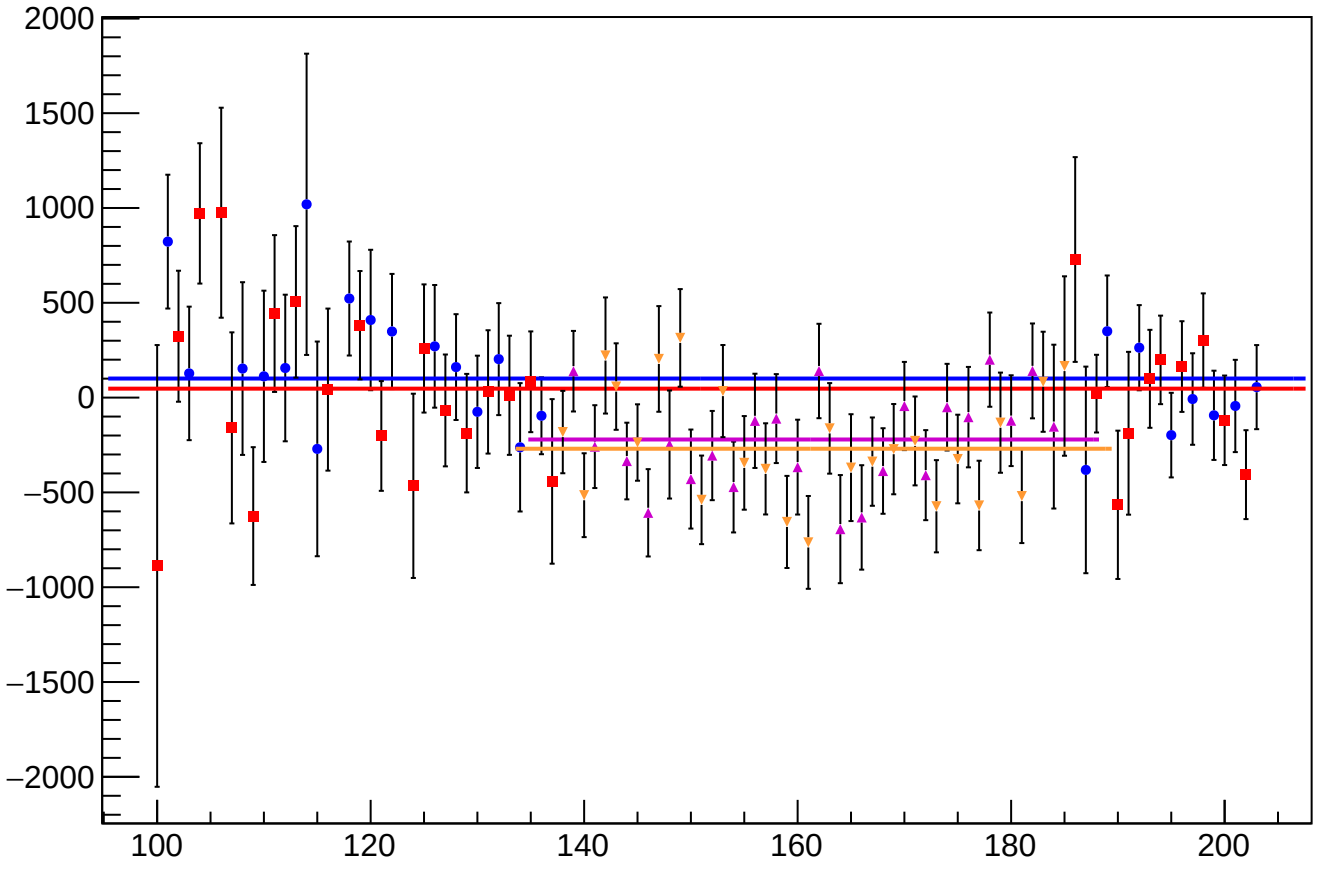
In: 218.163+/-0.028 χ^2/NDF:494856.3/46

Out: 218.483+/-0.027 χ^2/NDF:662327.1/53

All: 218.329+/-0.019 χ^2/NDF: 1157253.0/100


asym_sam_26_dd_dit_correction_mean vs Slug, Sign Corrected
60000
50000
40000
30000
20000
10000
0
−10000
100
120
140
160
180
200
Right In: -1635.351+/-762.061 χ²/NDF: 23.2/23
Left Out: -704.012+/-355.462 χ²/NDF:37.6/24
Right Out: 898.388+/-787.684 χ²/NDF: 25.9/28
Left In: -39.658+/-368.873 χ²/NDF:34.3/22
Left: -384.132+/-255.960 χ²/NDF: 73.6/47
Right: -410.364+/-547.693 χ²/NDF: 54.4/52
In: -342.561+/-332.022 χ²/NDF:61.1/46
Out: -432.898+/-323.999 χ²/NDF:66.9/53
All: -388.834+/-231.886 χ²/NDF: 128.0/100


asym_sam_26_dd_dit_correction_rms vs Slug, Sign Corrected
12000
10000
8000
6000
4000
2000
100
120
140
160
180
200
Right In: 2631.736+/-0.539 χ²/NDF: 2433989.7/23
Left Out: 1553.019+/-0.251 χ²/NDF:409933.8/24
Right Out: 2851.352+/-0.557 χ²/NDF: 2847793.3/28
Left In: 1569.383+/-0.261 χ²/NDF:357481.9/22
Left: 1560.898+/-0.181 χ²/NDF: 769456.5/47
Right: 2737.914+/-0.387 χ²/NDF: 5362089.4/52
In: 1771.045+/-0.235 χ²/NDF:5940431.0/46
Out: 1772.688+/-0.229 χ²/NDF:7772105.8/53
All: 1771.886+/-0.164 χ²/NDF: 13712561.9/1



Right In: 100.542+/-60.628 χ^2/NDF: 17.3/23

Left Out: -269.680+/-49.158 χ^2/NDF:31.5/24

Right Out: 47.175+/-58.817 χ^2/NDF: 32.1/28

Left In: -220.927+/-50.956 χ^2/NDF:23.4/22

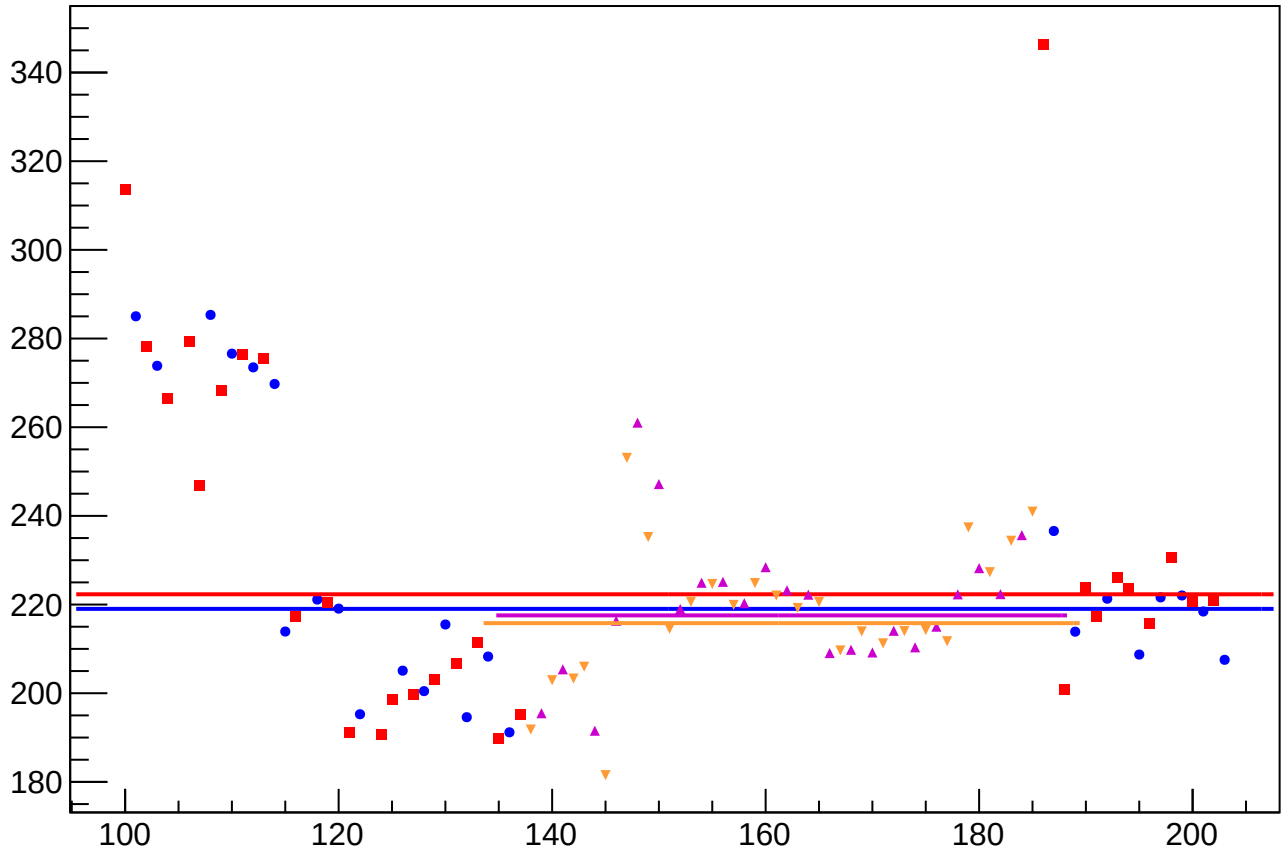
Left: -246.179+/-35.378 χ^2/NDF: 55.3/47

Right: 73.050+/-42.216 χ^2/NDF: 49.8/52

In: -87.850+/-39.008 χ^2/NDF:57.1/46

Out: -139.374+/-37.719 χ^2/NDF:80.7/53

All: -114.477+/-27.115 χ^2/NDF: 138.7/100



Right In: 219.024+/-0.043 χ^2/NDF: 333093.1/23

Left Out: 215.806+/-0.035 χ^2/NDF:188703.4/24

Right Out: 222.315+/-0.042 χ^2/NDF: 459194.0/28

Left In: 217.555+/-0.036 χ^2/NDF:161069.0/22

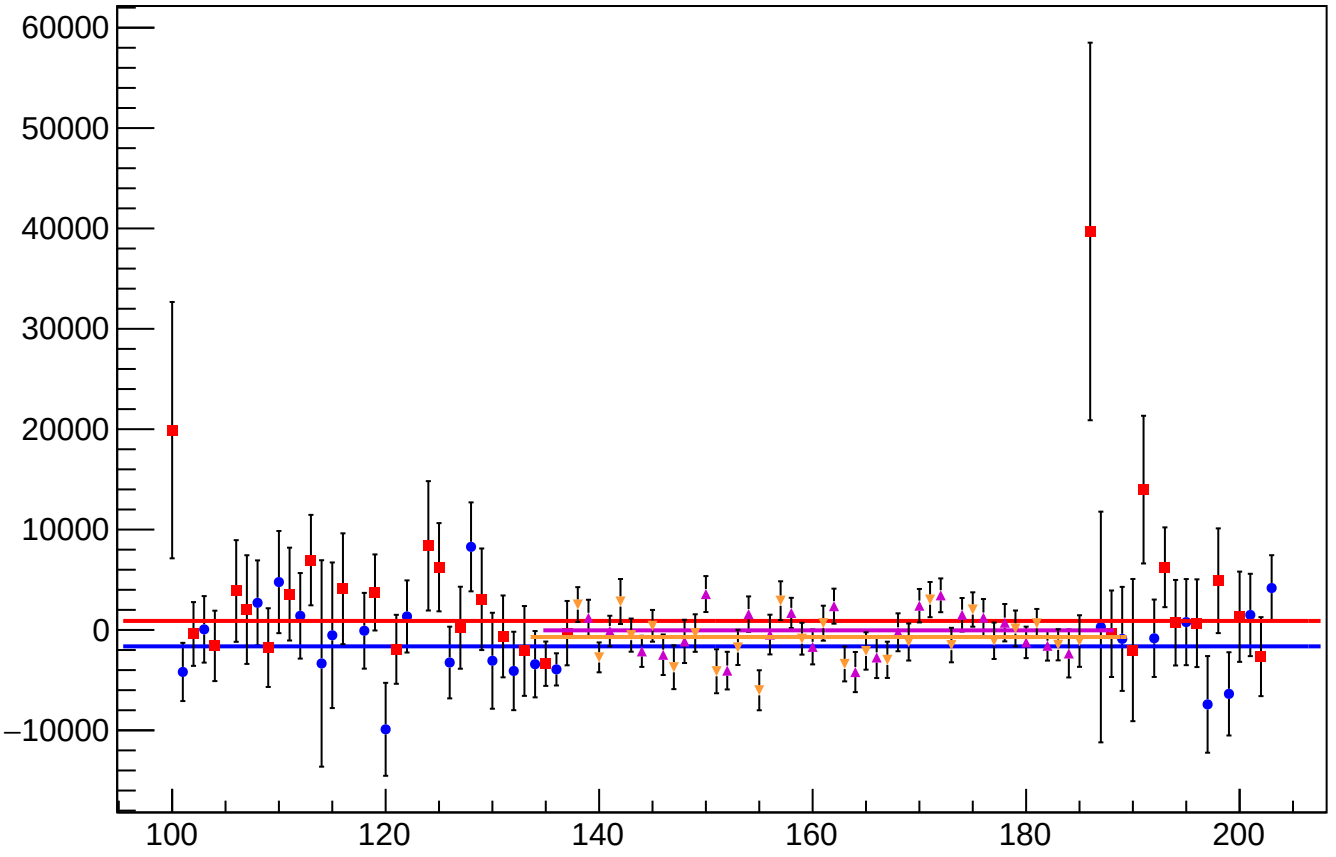
Left: 216.649+/-0.025 χ^2/NDF: 350991.6/47

Right: 220.719+/-0.030 χ^2/NDF: 795322.8/52

In: 218.163+/-0.028 χ^2/NDF:494850.5/46

Out: 218.483+/-0.027 χ^2/NDF:662314.5/53

All: 218.328+/-0.019 χ^2/NDF: 1157234.6/100



Right In: -1635.349+/-762.060 χ^2/NDF: 23.2/23

Left Out: -704.012+/-355.462 χ^2/NDF:37.6/24

Right Out: 898.389+/-787.683 χ^2/NDF: 25.9/28

Left In: -39.657+/-368.873 χ^2/NDF:34.3/22

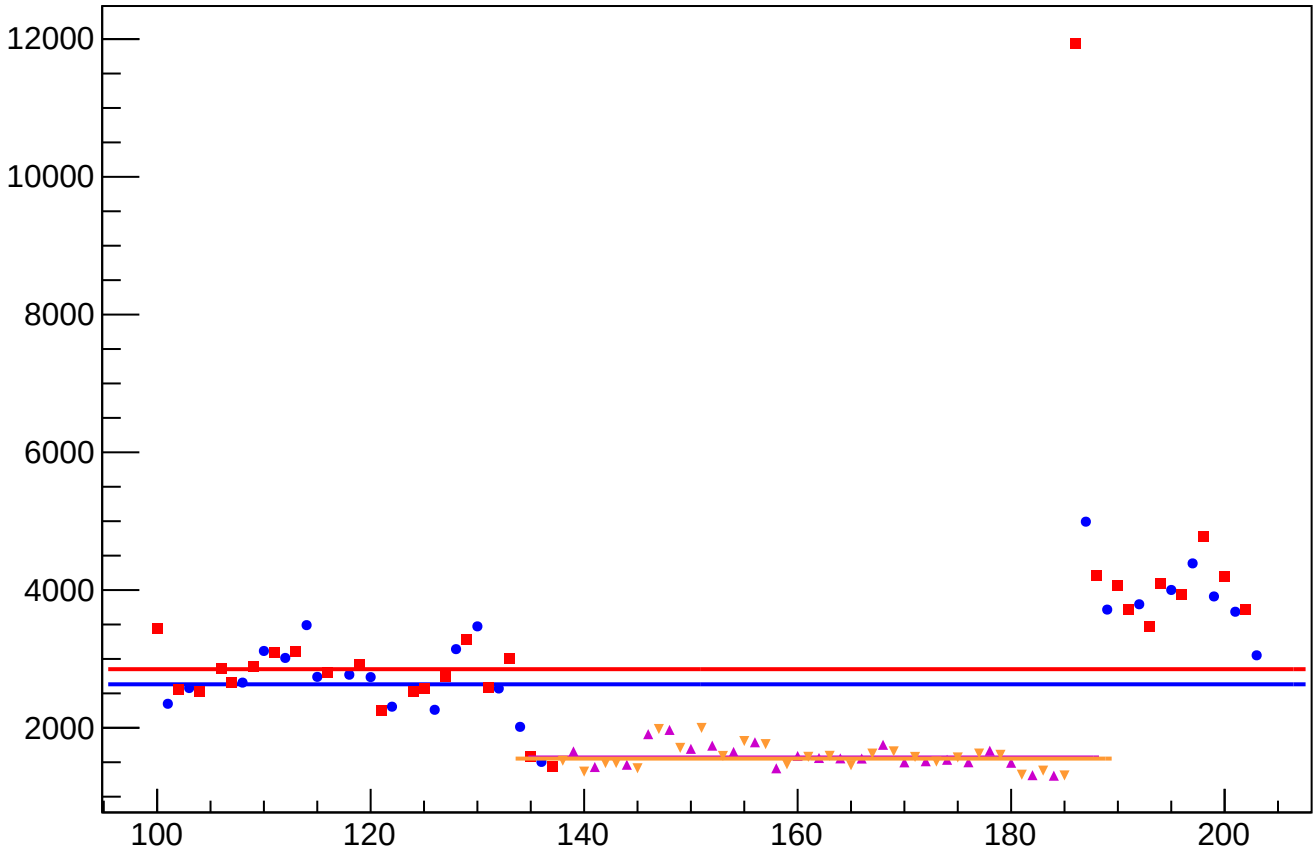
Left: -384.131+/-255.960 χ^2/NDF: 73.6/47

Right: -410.362+/-547.692 χ^2/NDF: 54.4/52

In: -342.560+/-332.022 χ^2/NDF:61.1/46

Out: -432.897+/-323.999 χ^2/NDF:66.9/53

All: -388.833+/-231.886 χ^2/NDF: 128.0/100



Right In: 2631.733+/-0.539 χ^2/NDF: 2433985.7/23

Left Out: 1553.020+/-0.251 χ^2/NDF:409936.6/24

Right Out: 2851.349+/-0.557 χ^2/NDF: 2847795.6/28

Left In: 1569.383+/-0.261 χ^2/NDF:357484.6/22

Left: 1560.899+/-0.181 χ^2/NDF: 769461.9/47

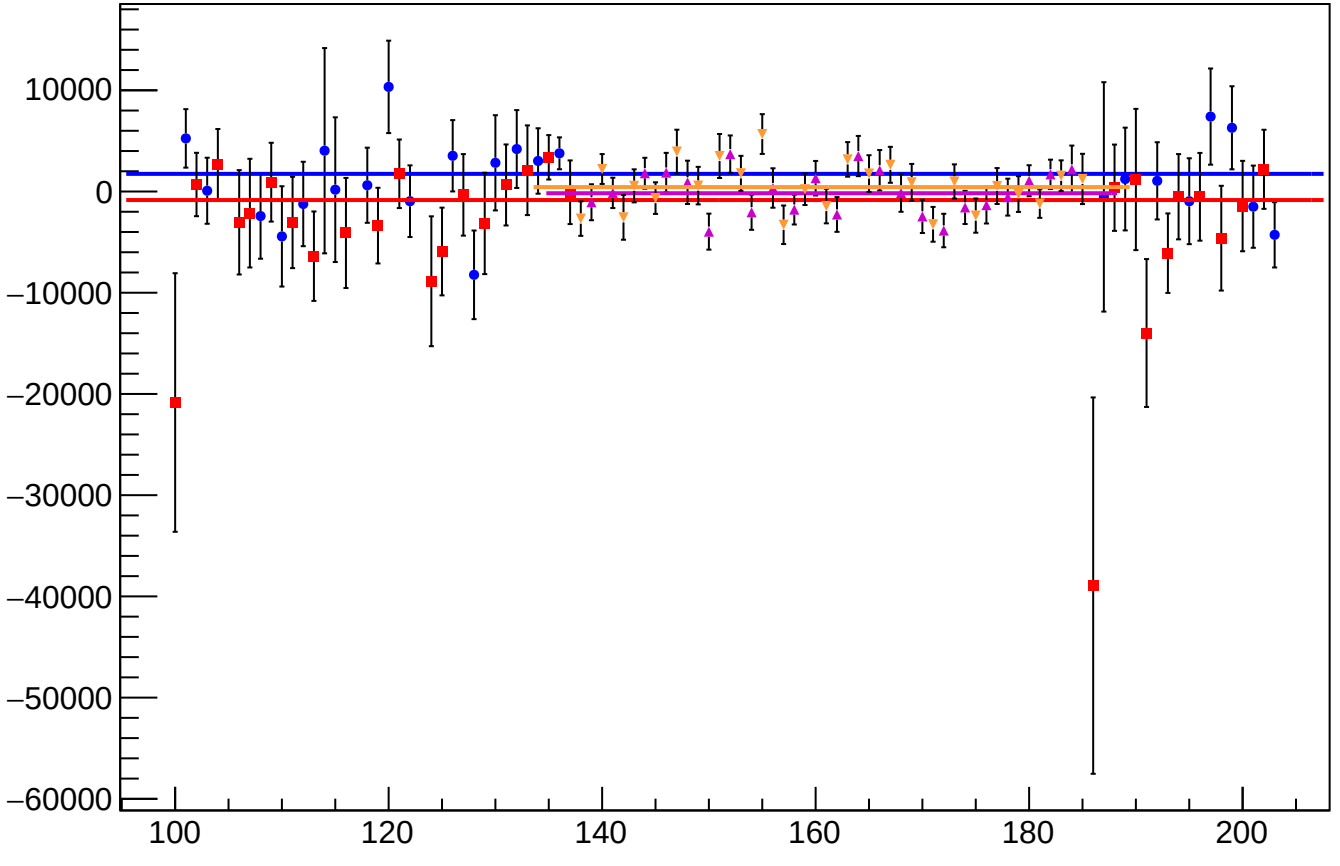
Right: 2737.911+/-0.387 χ^2/NDF: 5362087.3/52

In: 1771.045+/-0.235 χ^2/NDF:5940419.2/46

Out: 1772.688+/-0.229 χ^2/NDF:7772091.3/53

All: 1771.886+/-0.164 χ^2/NDF: 13712535.6/1

asym_sam_26_dd_mean vs Slug, Sign Corrected



Right In: 1744.125+/-750.966 χ^2/NDF: 24.1/23

Left Out: 437.522+/-349.581 χ^2/NDF:38.9/24

Right Out: -842.493+/-779.167 χ^2/NDF: 25.4/28

Left In: -169.827+/-362.550 χ^2/NDF:33.0/22

Left: 144.904+/-251.651 χ^2/NDF: 73.3/47

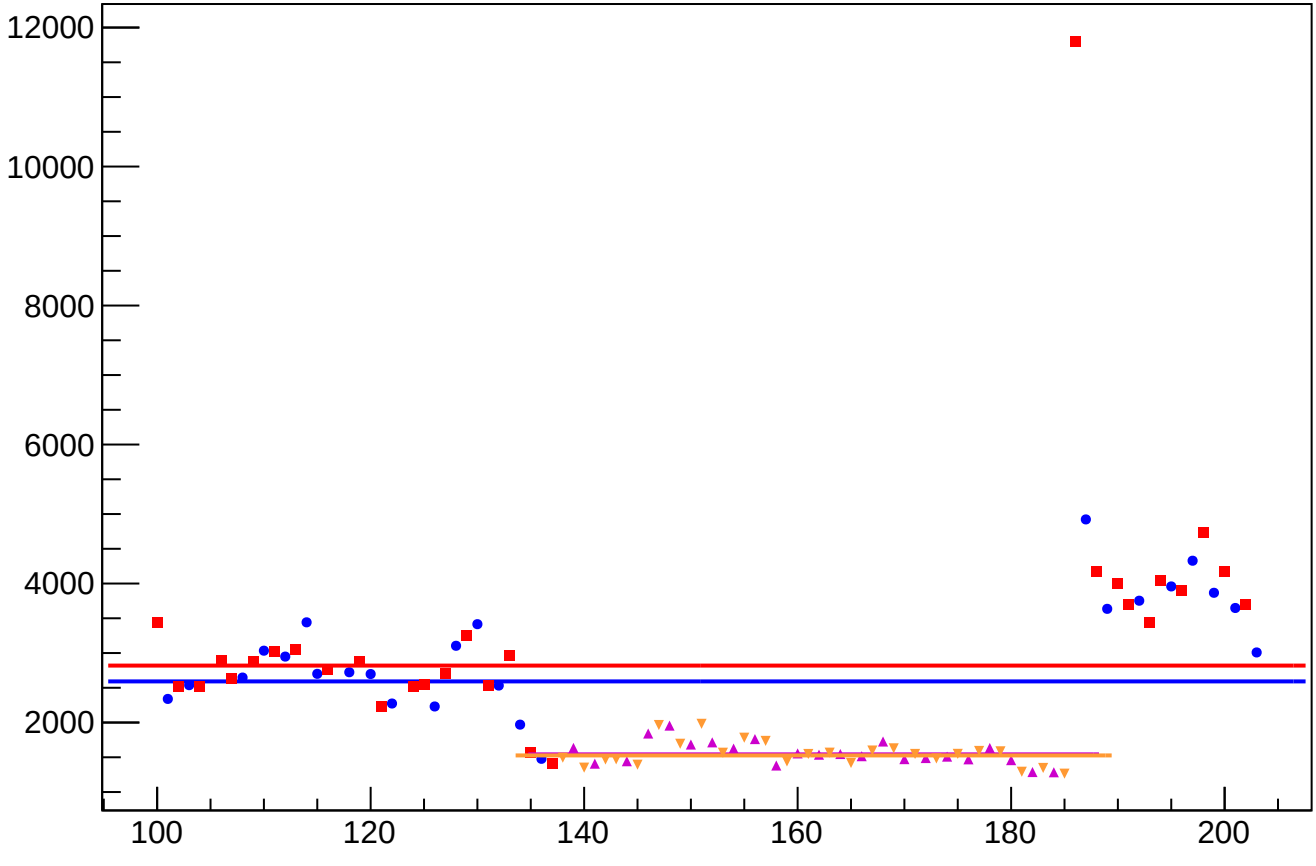
Right: 498.473+/-540.708 χ^2/NDF: 55.2/52

In: 191.947+/-326.492 χ^2/NDF:62.3/46

Out: 223.036+/-318.950 χ^2/NDF:66.5/53

All: 207.854+/-228.152 χ^2/NDF: 128.9/100

asym_sam_26_dd_rms vs Slug, Sign Corrected



Right In: 2591.793+/-0.531 χ^2/NDF: 2455615.2/23

Left Out: 1526.726+/-0.247 χ^2/NDF:429467.0/24

Right Out: 2819.392+/-0.551 χ^2/NDF: 2857748.6/28

Left In: 1542.262+/-0.256 χ^2/NDF:362291.1/22

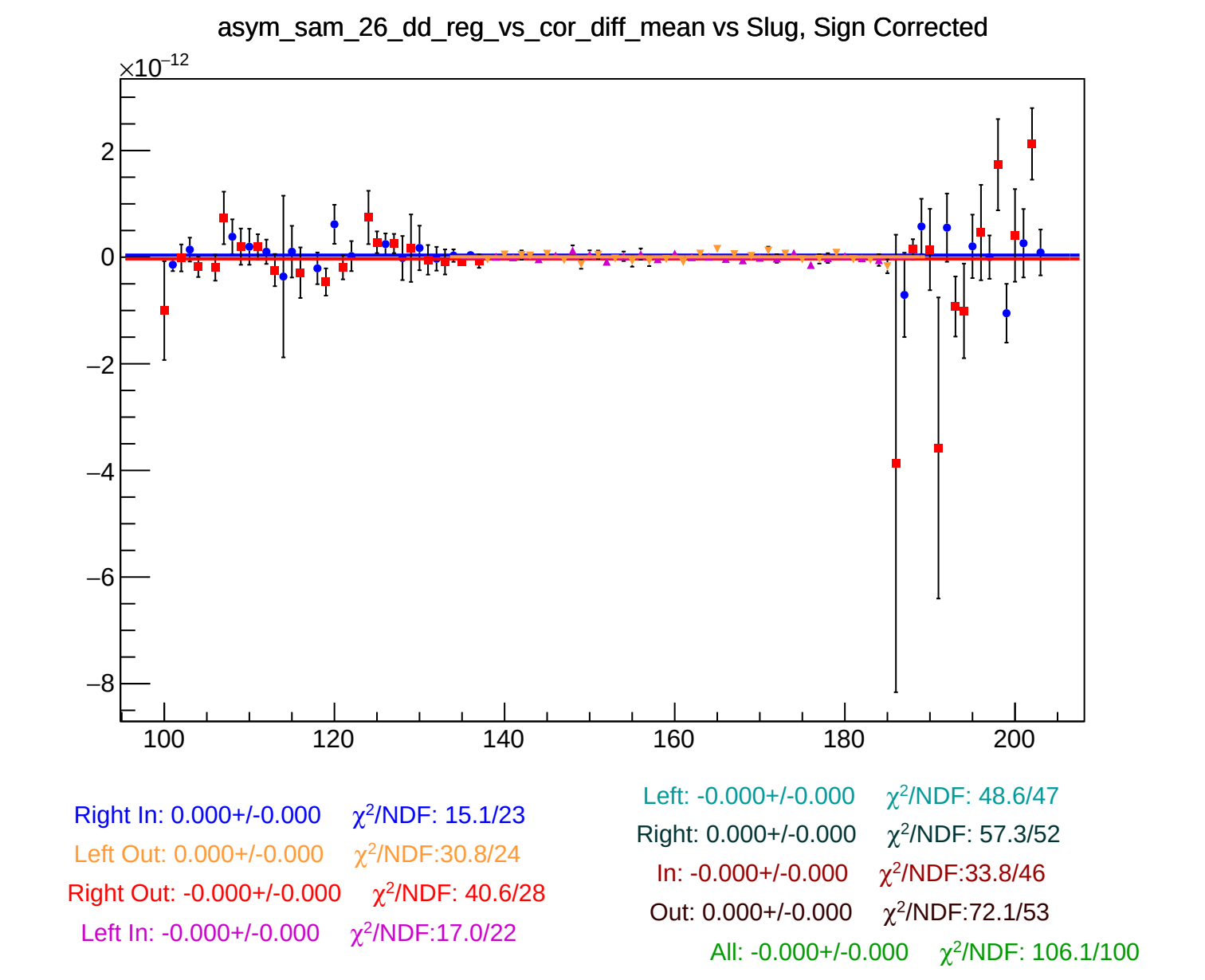
Left: 1534.211+/-0.178 χ^2/NDF: 793661.4/47

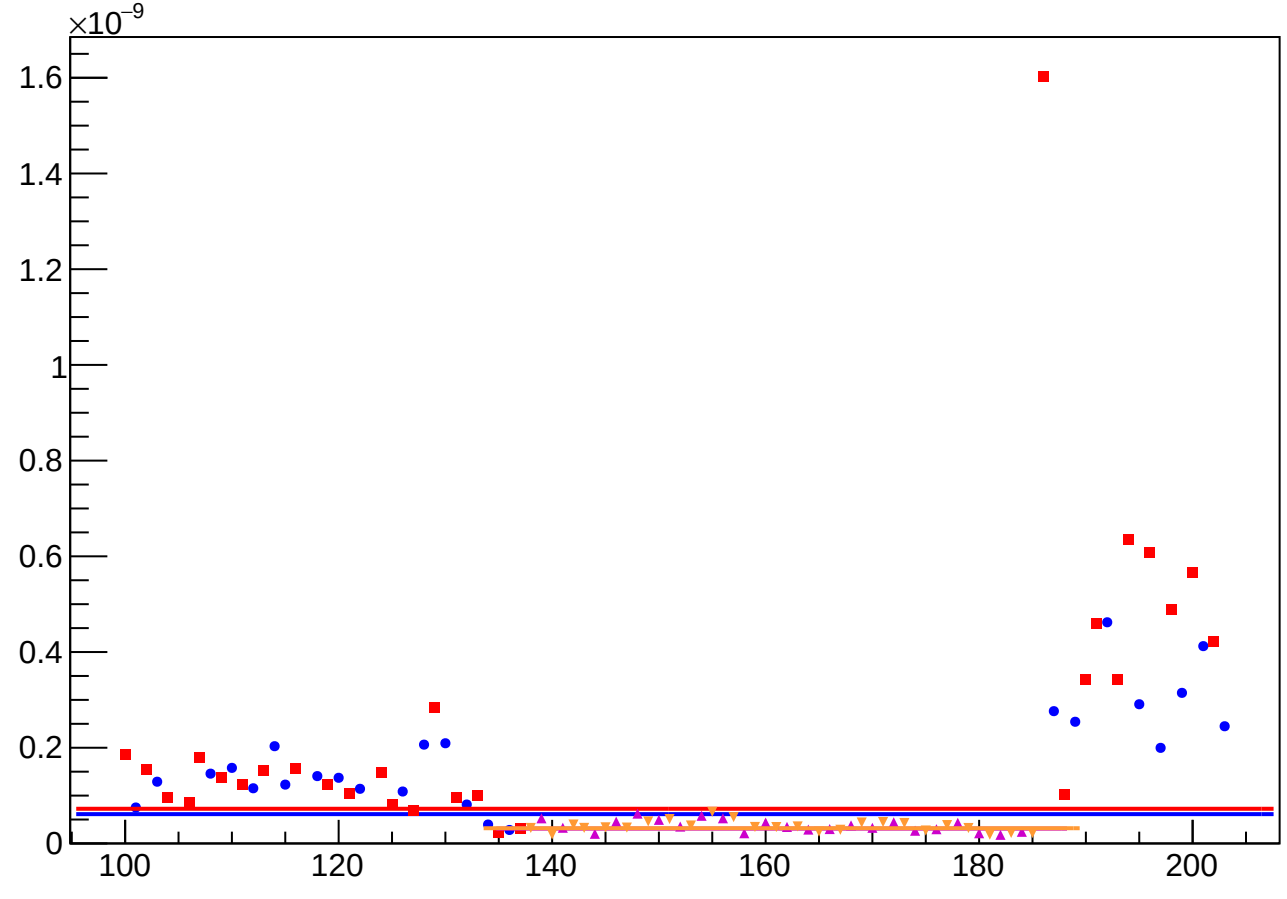
Right: 2701.399+/-0.382 χ^2/NDF: 5401834.0/52

In: 1740.644+/-0.231 χ^2/NDF:5985944.3/46

Out: 1743.332+/-0.226 χ^2/NDF:7869602.0/53

All: 1742.020+/-0.161 χ^2/NDF: 13855615.7/1


asym_sam_26_dd_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
2
0
−2
−4
−6
−8
100
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 15.1/23
Left Out: 0.000+/-0.000 χ²/NDF:30.8/24
Right Out: -0.000+/-0.000 χ²/NDF: 40.6/28
Left In: -0.000+/-0.000 χ²/NDF:17.0/22
Left: -0.000+/-0.000 χ²/NDF: 48.6/47
Right: 0.000+/-0.000 χ²/NDF: 57.3/52
In: -0.000+/-0.000 χ²/NDF:33.8/46
Out: 0.000+/-0.000 χ²/NDF:72.1/53
All: -0.000+/-0.000 χ²/NDF: 106.1/100



Right In: 0.000+/-0.000 χ^2/NDF: 5802964.5/23

Left Out: 0.000+/-0.000 χ^2/NDF:1231140.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 6775802.0/28

Left In: 0.000+/-0.000 χ^2/NDF:1593815.4/22

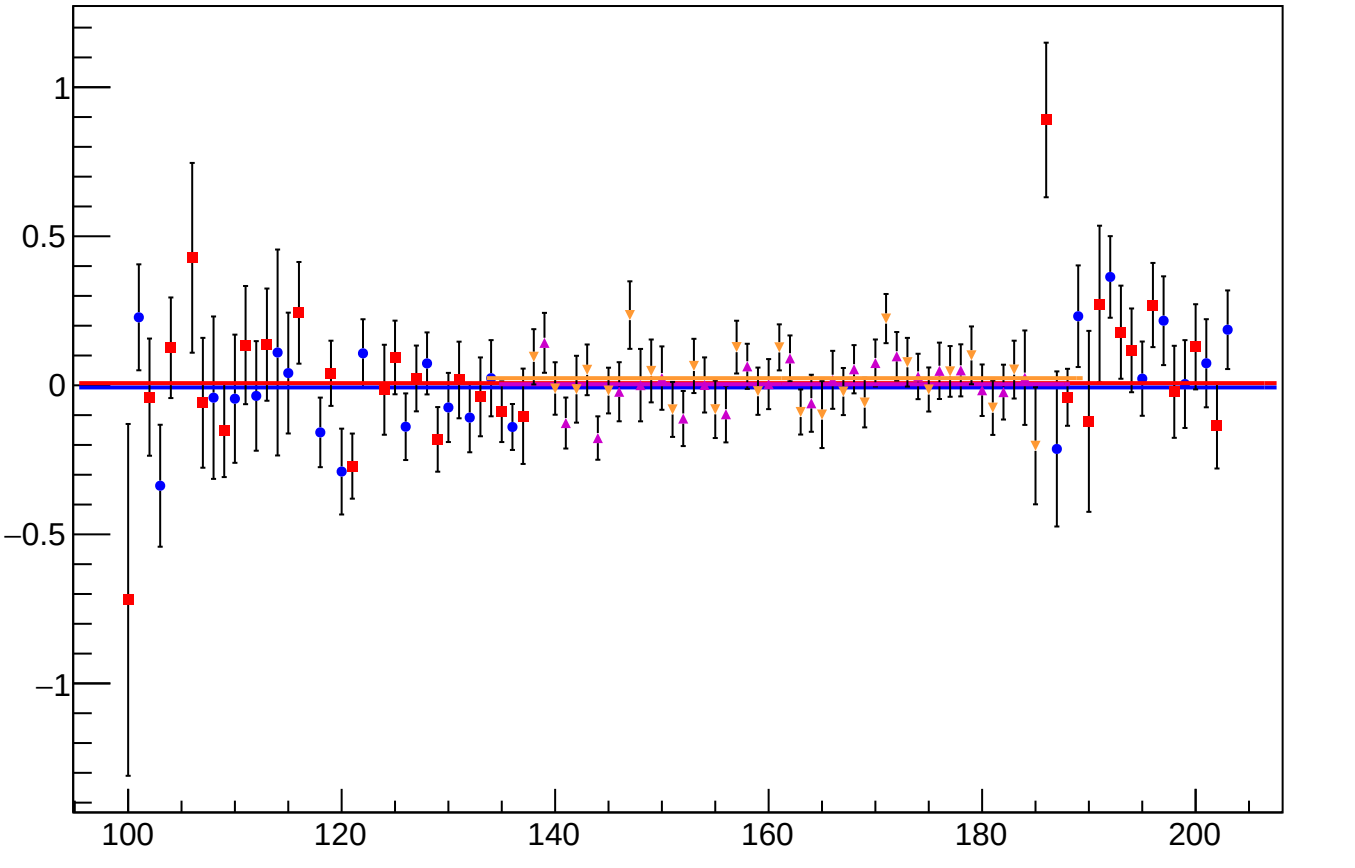
Left: 0.000+/-0.000 χ^2/NDF: 2829280.6/47

Right: 0.000+/-0.000 χ^2/NDF: 12662019.3/52

In: 0.000+/-0.000 χ^2/NDF:8673157.0/46

Out: 0.000+/-0.000 χ^2/NDF:9751891.1/53

All: 0.000+/-0.000 χ^2/NDF: 18427918.0/100



Right In: -0.007+/-0.028 χ^2/NDF: 31.9/23

Left Out: 0.024+/-0.018 χ^2/NDF:25.5/24

Right Out: 0.007+/-0.027 χ^2/NDF: 39.4/28

Left In: 0.004+/-0.019 χ^2/NDF:18.9/22

Left: 0.014+/-0.013 χ^2/NDF: 45.0/47

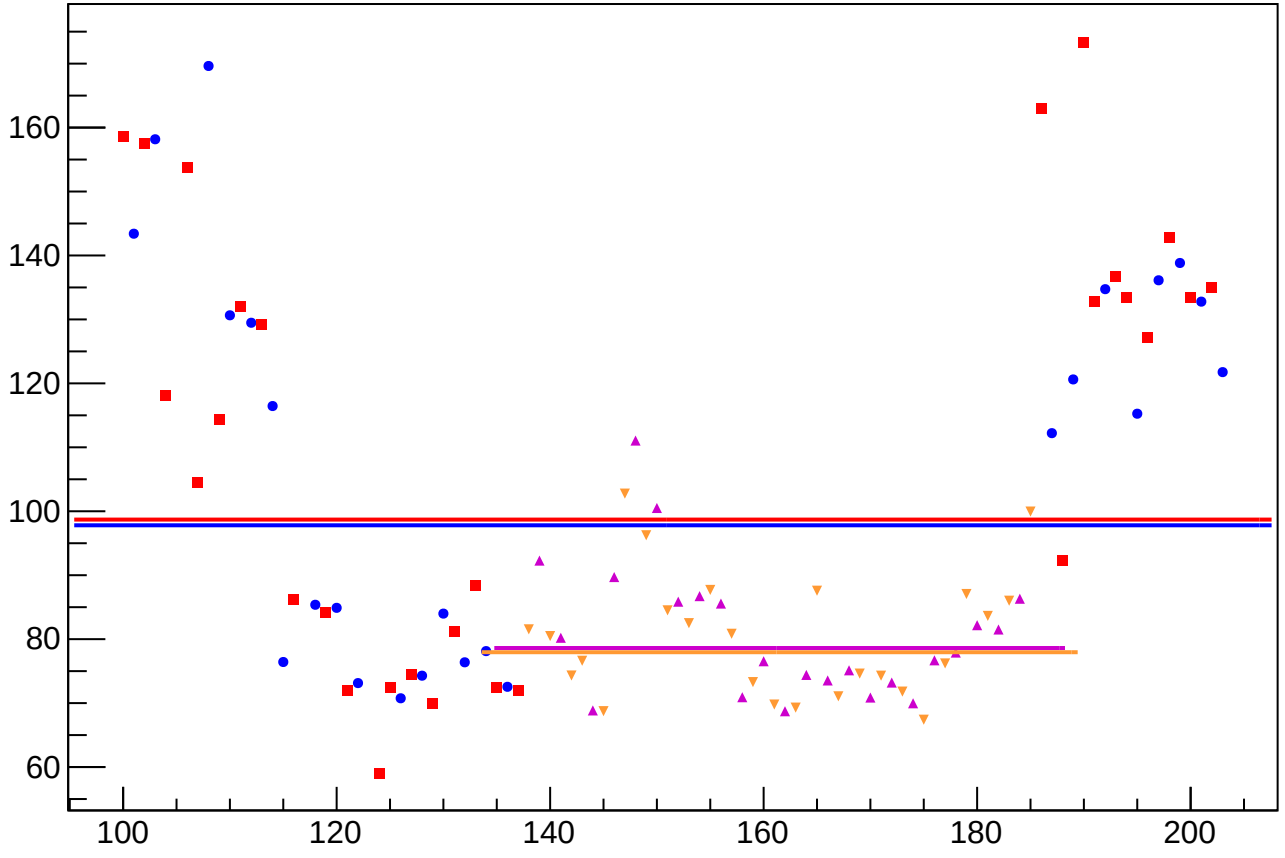
Right: 0.000+/-0.020 χ^2/NDF: 71.4/52

In: 0.000+/-0.015 χ^2/NDF:50.9/46

Out: 0.019+/-0.015 χ^2/NDF:65.2/53

All: 0.010+/-0.011 χ^2/NDF: 116.8/100

asym_sam_26_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 97.805+/-0.020 χ^2/NDF: 1980843.6/23

Left Out: 77.957+/-0.013 χ^2/NDF:439703.9/24

Right Out: 98.699+/-0.019 χ^2/NDF: 2302378.9/28

Left In: 78.615+/-0.013 χ^2/NDF:497808.4/22

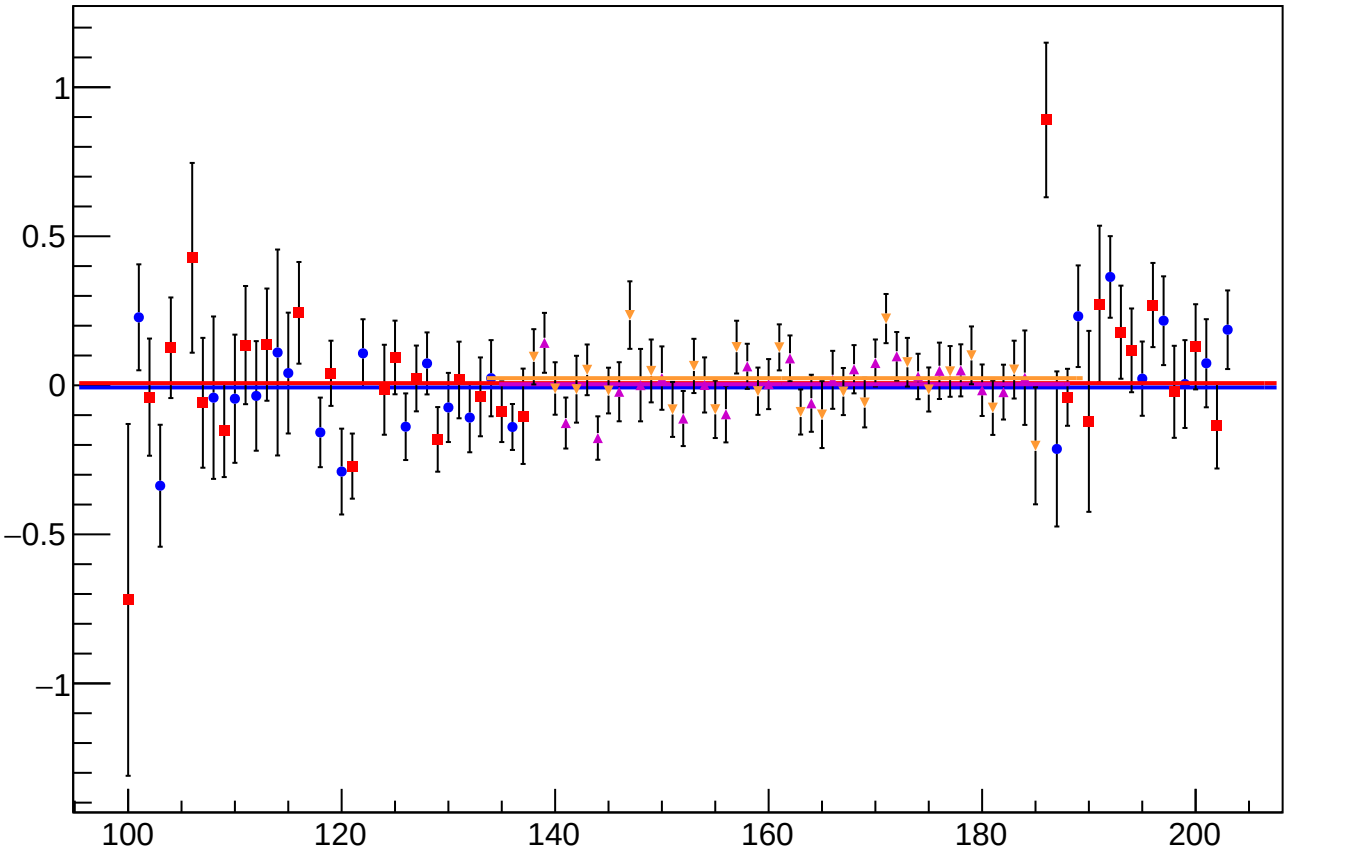
Left: 78.273+/-0.009 χ^2/NDF: 938817.0/47

Right: 98.267+/-0.014 χ^2/NDF: 4284265.2/52

In: 84.435+/-0.011 χ^2/NDF:3126712.4/46

Out: 84.203+/-0.011 χ^2/NDF:3554647.2/53

All: 84.314+/-0.008 χ^2/NDF: 6681592.2/100



Right In: -0.007+/-0.028 χ^2/NDF: 31.9/23

Left Out: 0.024+/-0.018 χ^2/NDF:25.5/24

Right Out: 0.007+/-0.027 χ^2/NDF: 39.4/28

Left In: 0.004+/-0.019 χ^2/NDF:18.9/22

Left: 0.014+/-0.013 χ^2/NDF: 45.0/47

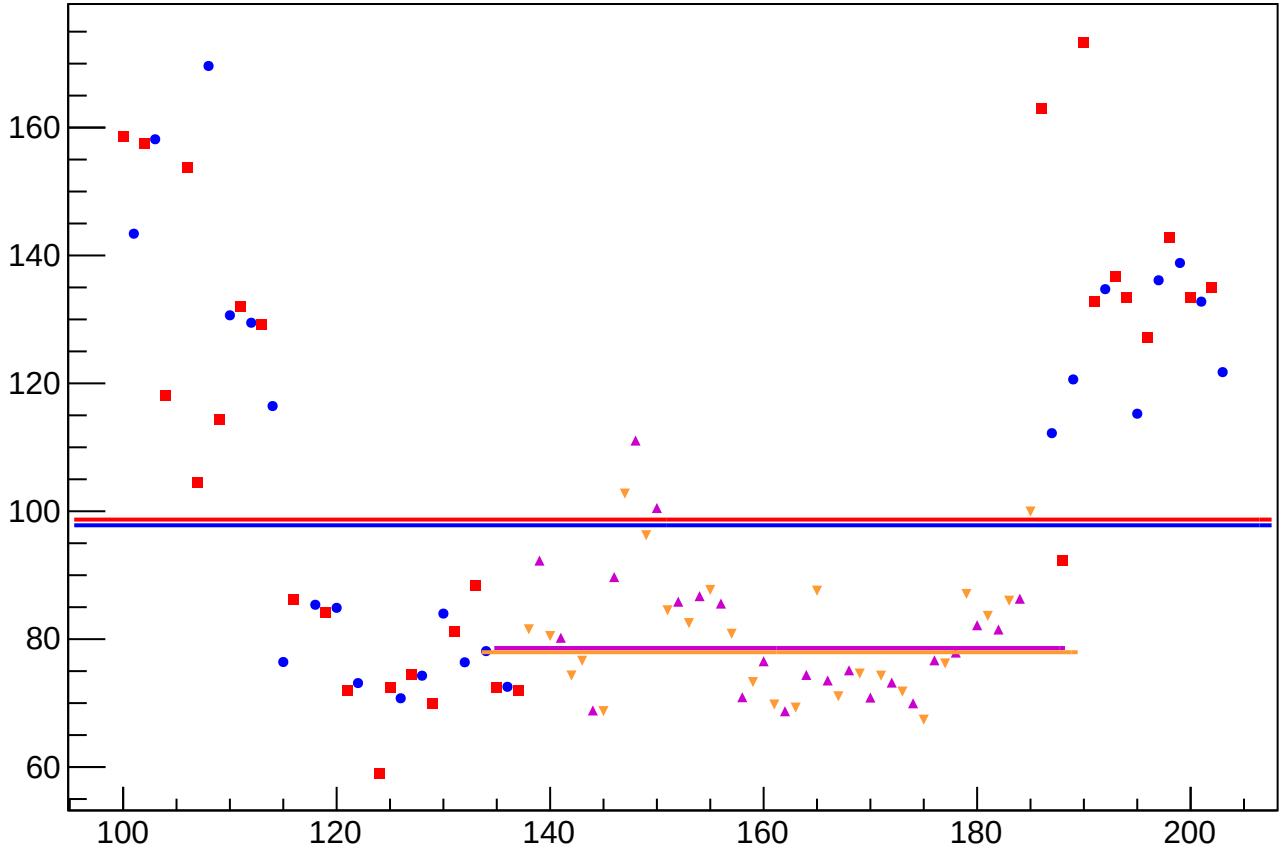
Right: 0.000+/-0.020 χ^2/NDF: 71.4/52

In: 0.000+/-0.015 χ^2/NDF:50.9/46

Out: 0.019+/-0.015 χ^2/NDF:65.2/53

All: 0.010+/-0.011 χ^2/NDF: 116.8/100

asym_sam_26_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 97.805+/-0.020 χ^2/NDF: 1980843.6/23

Left Out: 77.957+/-0.013 χ^2/NDF:439703.9/24

Right Out: 98.699+/-0.019 χ^2/NDF: 2302378.9/28

Left In: 78.615+/-0.013 χ^2/NDF:497808.4/22

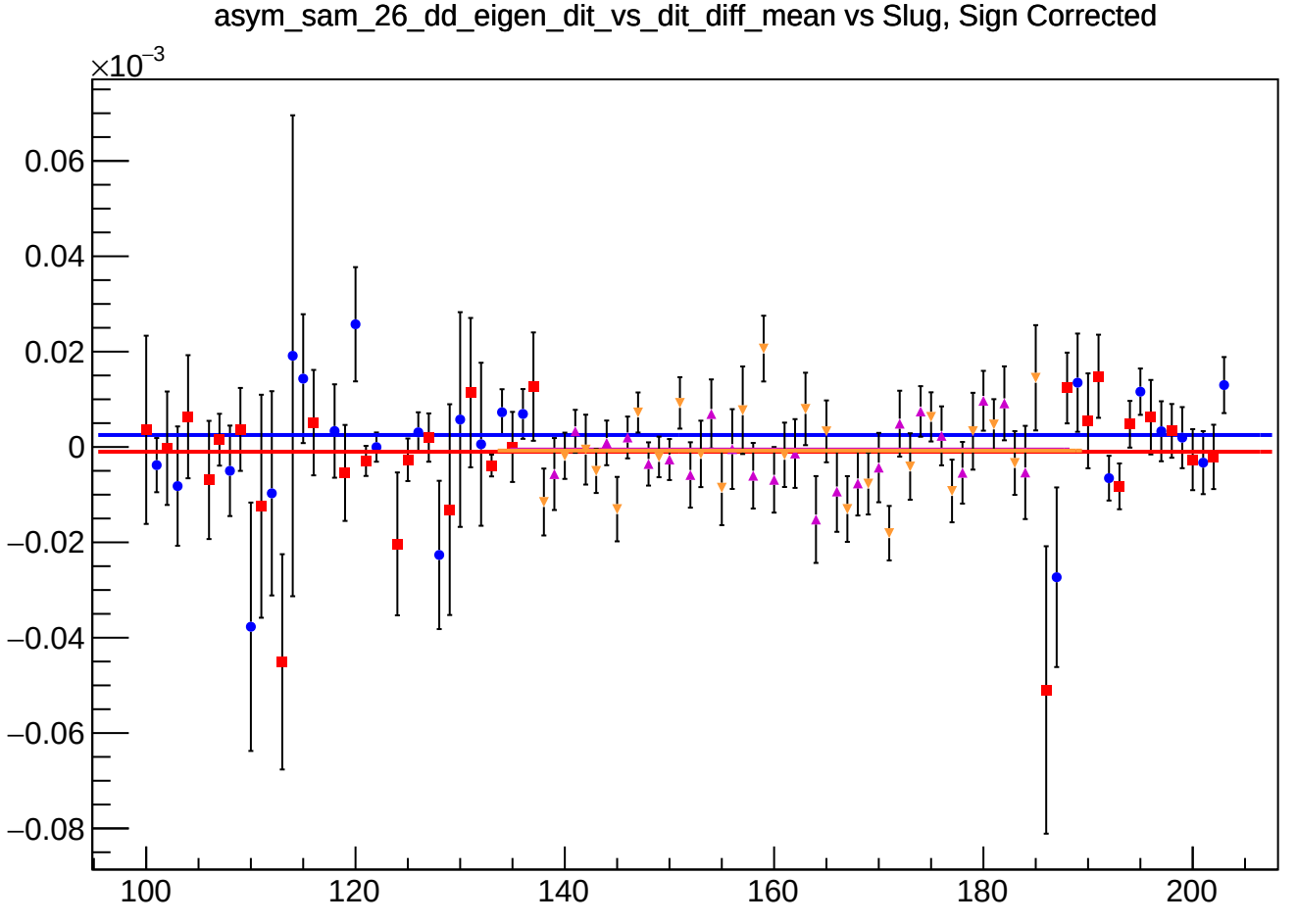
Left: 78.273+/-0.009 χ^2/NDF: 938817.0/47

Right: 98.267+/-0.014 χ^2/NDF: 4284265.2/52

In: 84.435+/-0.011 χ^2/NDF:3126712.4/46

Out: 84.203+/-0.011 χ^2/NDF:3554647.2/53

All: 84.314+/-0.008 χ^2/NDF: 6681592.2/100



Right In: 0.000+/-0.000 χ^2/NDF: 29.8/23

Left Out: -0.000+/-0.000 χ^2/NDF:47.6/24

Right Out: -0.000+/-0.000 χ^2/NDF: 27.1/28

Left In: -0.000+/-0.000 χ^2/NDF:18.6/22

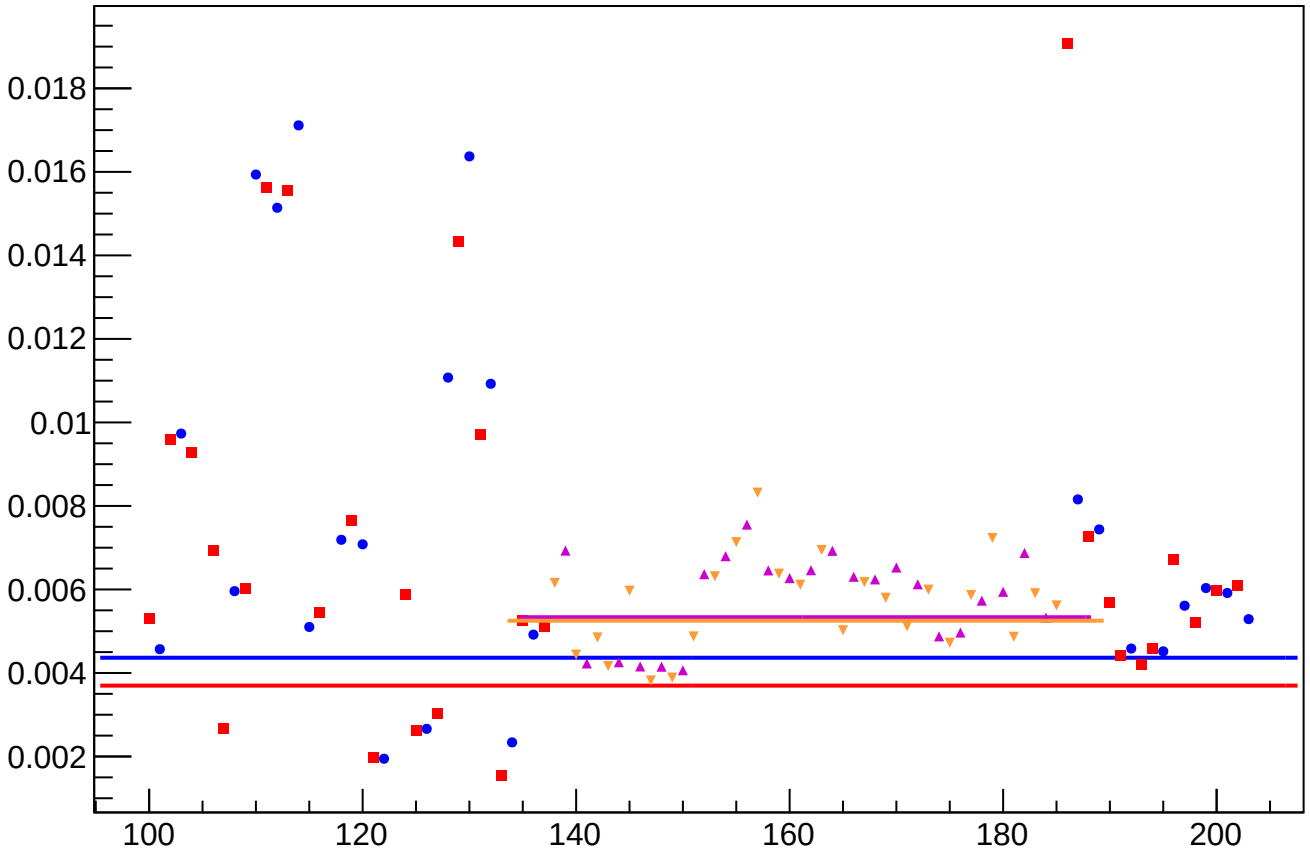
Left: -0.000+/-0.000 χ^2/NDF: 66.2/47

Right: 0.000+/-0.000 χ^2/NDF: 60.7/52

In: 0.000+/-0.000 χ^2/NDF:51.1/46

Out: -0.000+/-0.000 χ^2/NDF:74.7/53

All: -0.000+/-0.000 χ^2/NDF: 127.8/100



Right In: 0.004+/-0.000 χ^2/NDF: 5555230.1/23

Left Out: 0.005+/-0.000 χ^2/NDF:1511867.7/24

Right Out: 0.004+/-0.000 χ^2/NDF: 8211543.5/28

Left In: 0.005+/-0.000 χ^2/NDF:1508187.9/22

Left: 0.005+/-0.000 χ^2/NDF: 3024442.1/47

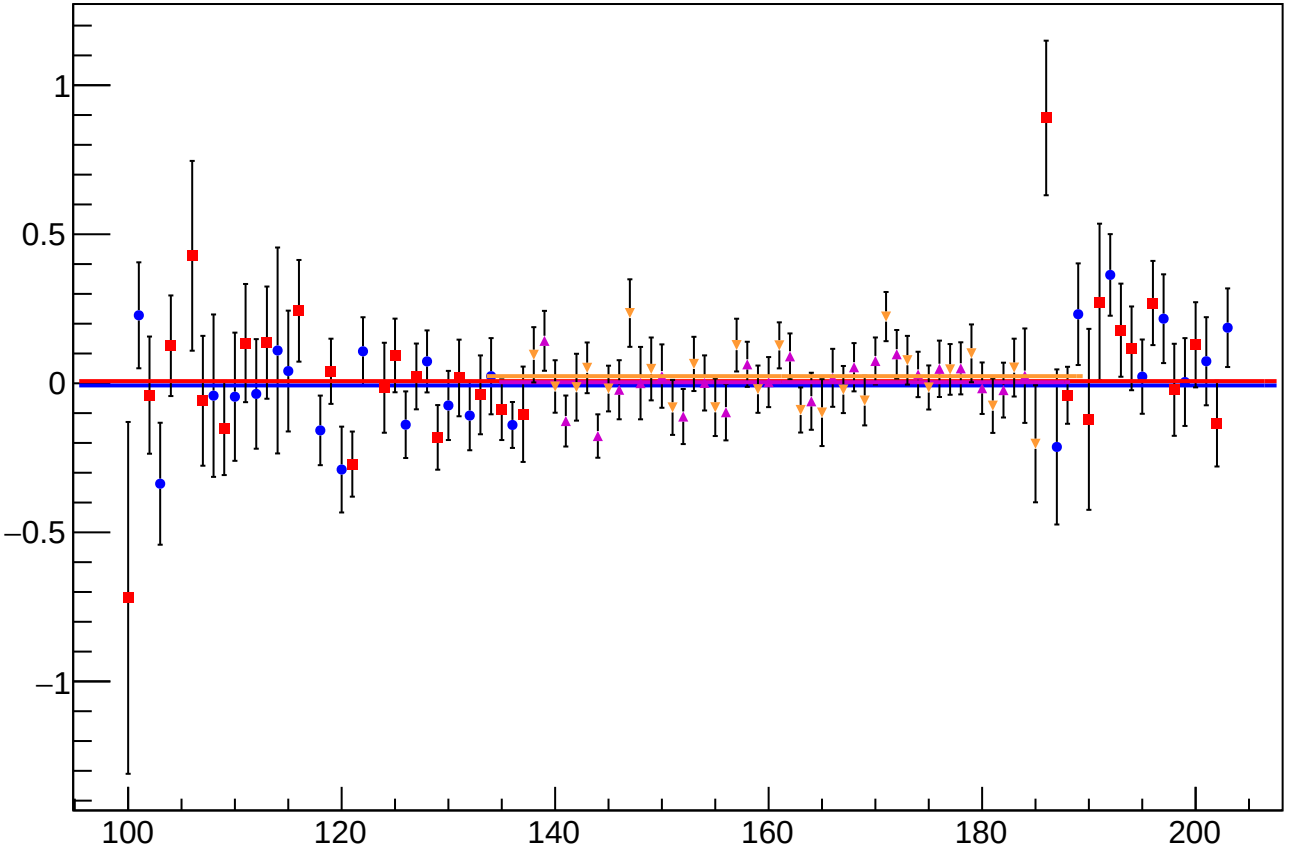
Right: 0.004+/-0.000 χ^2/NDF: 14040455.6/52

In: 0.005+/-0.000 χ^2/NDF:7596387.5/46

Out: 0.004+/-0.000 χ^2/NDF:11409681.4/53

All: 0.005+/-0.000 χ^2/NDF: 19254007.8/100

asym_sam_26_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.007+/-0.028 χ^2/NDF: 31.9/23

Left Out: 0.024+/-0.018 χ^2/NDF:25.5/24

Right Out: 0.007+/-0.027 χ^2/NDF: 39.4/28

Left In: 0.004+/-0.019 χ^2/NDF:18.9/22

Left: 0.014+/-0.013 χ^2/NDF: 45.0/47

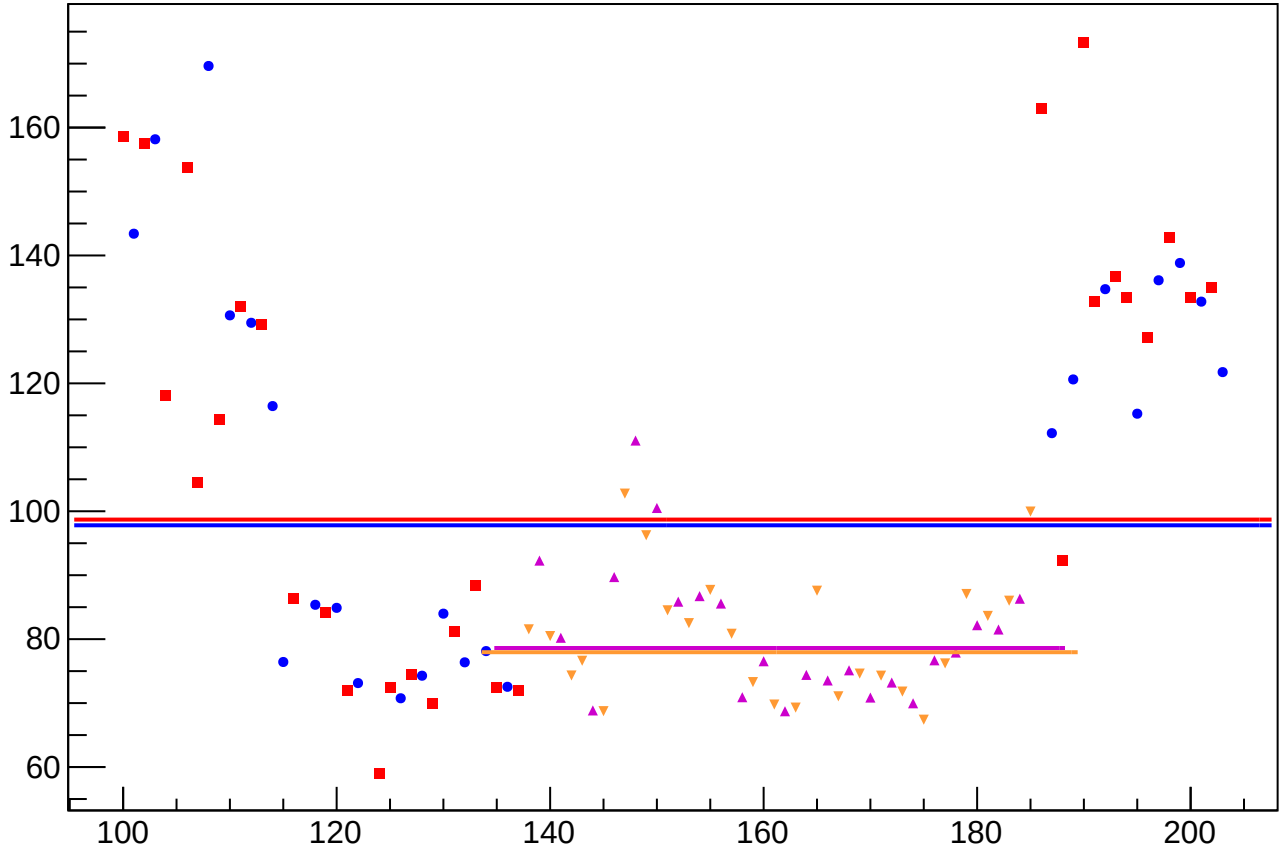
Right: 0.000+/-0.020 χ^2/NDF: 71.4/52

In: 0.000+/-0.015 χ^2/NDF:50.9/46

Out: 0.019+/-0.015 χ^2/NDF:65.2/53

All: 0.010+/-0.011 χ^2/NDF: 116.8/100

asym_sam_26_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 97.803+/-0.020 χ^2/NDF: 1980942.9/23

Left Out: 77.957+/-0.013 χ^2/NDF:439744.9/24

Right Out: 98.697+/-0.019 χ^2/NDF: 2302456.9/28

Left In: 78.614+/-0.013 χ^2/NDF:497846.3/22

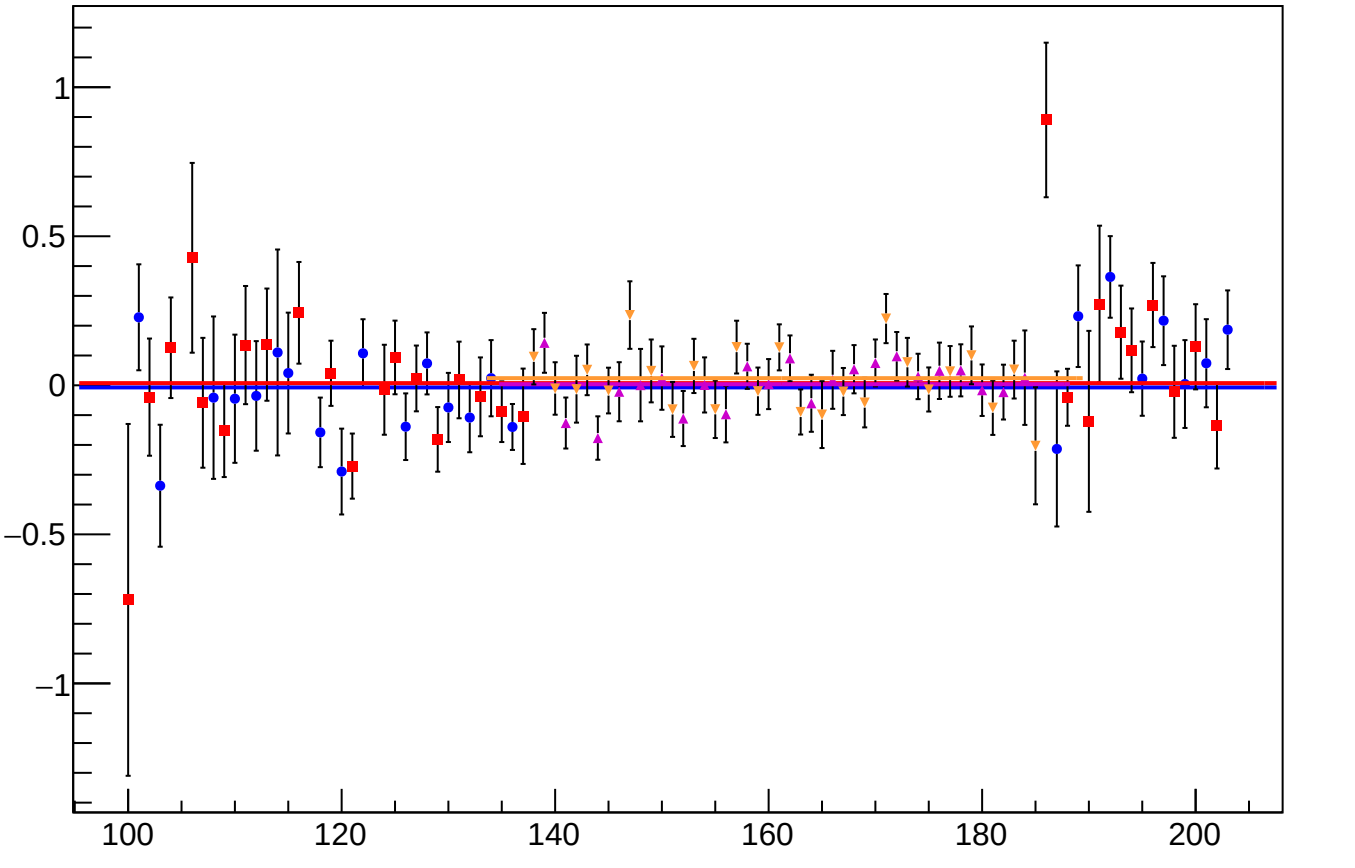
Left: 78.273+/-0.009 χ^2/NDF: 938894.7/47

Right: 98.265+/-0.014 χ^2/NDF: 4284443.2/52

In: 84.433+/-0.011 χ^2/NDF:3126765.4/46

Out: 84.202+/-0.011 χ^2/NDF:3554663.7/53

All: 84.313+/-0.008 χ^2/NDF: 6681661.1/100



Right In: -0.007+/-0.028 χ^2/NDF: 31.9/23

Left Out: 0.024+/-0.018 χ^2/NDF:25.5/24

Right Out: 0.007+/-0.027 χ^2/NDF: 39.4/28

Left In: 0.004+/-0.019 χ^2/NDF:18.9/22

Left: 0.014+/-0.013 χ^2/NDF: 45.0/47

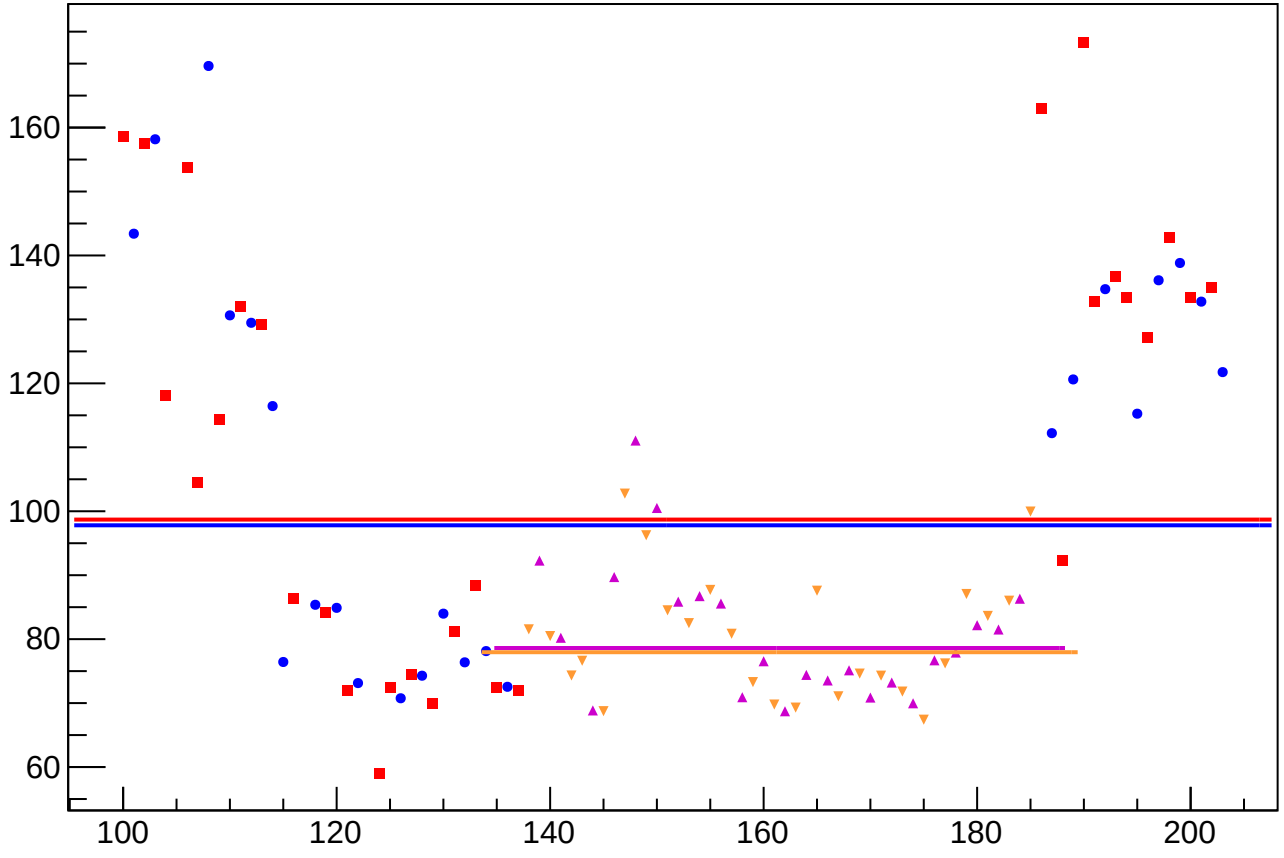
Right: 0.000+/-0.020 χ^2/NDF: 71.4/52

In: 0.000+/-0.015 χ^2/NDF:50.9/46

Out: 0.019+/-0.015 χ^2/NDF:65.2/53

All: 0.010+/-0.011 χ^2/NDF: 116.8/100

asym_sam_26_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 97.803+/-0.020 χ^2/NDF: 1980942.9/23

Left Out: 77.957+/-0.013 χ^2/NDF:439744.9/24

Right Out: 98.697+/-0.019 χ^2/NDF: 2302456.9/28

Left In: 78.614+/-0.013 χ^2/NDF:497846.3/22

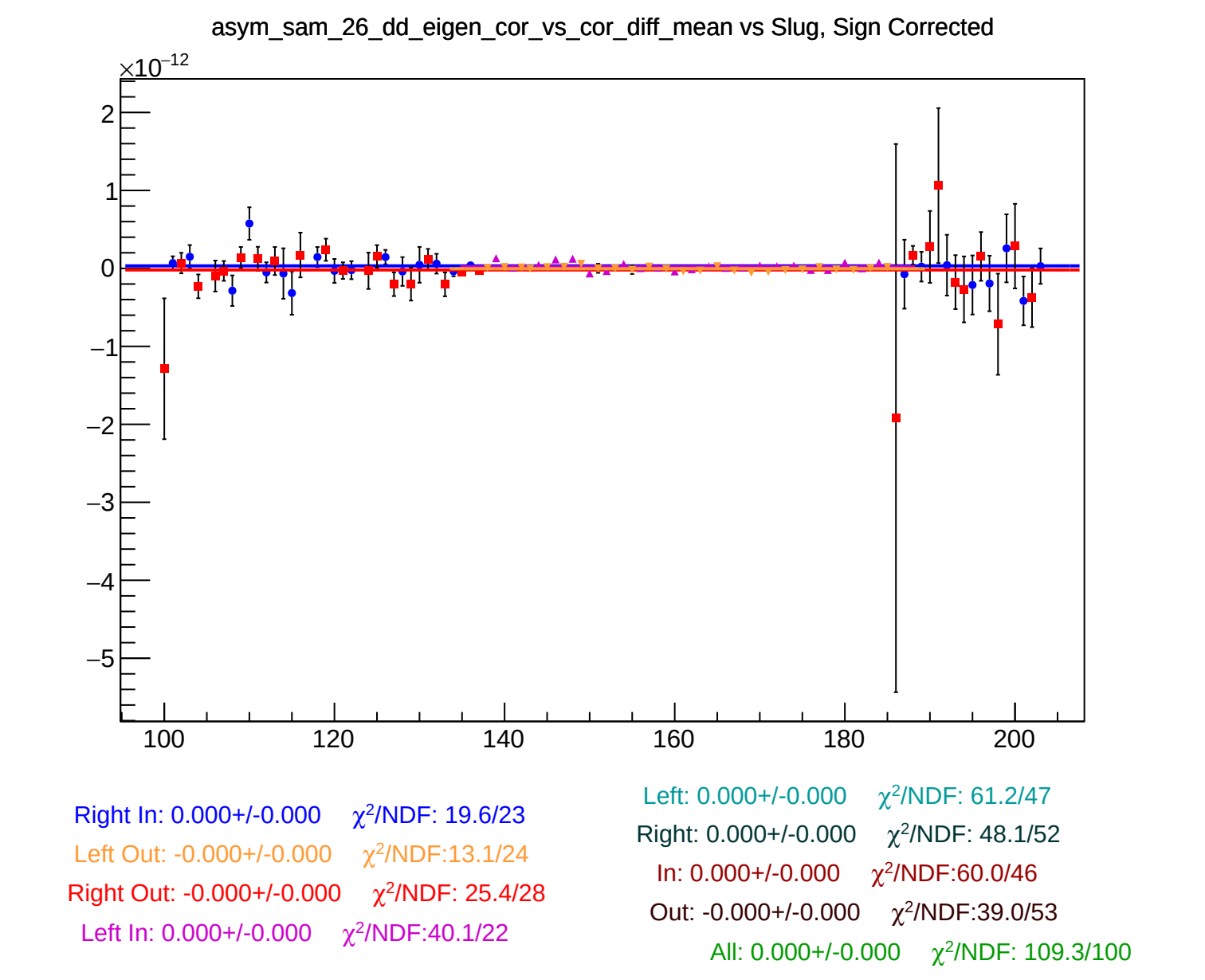
Left: 78.273+/-0.009 χ^2/NDF: 938894.7/47

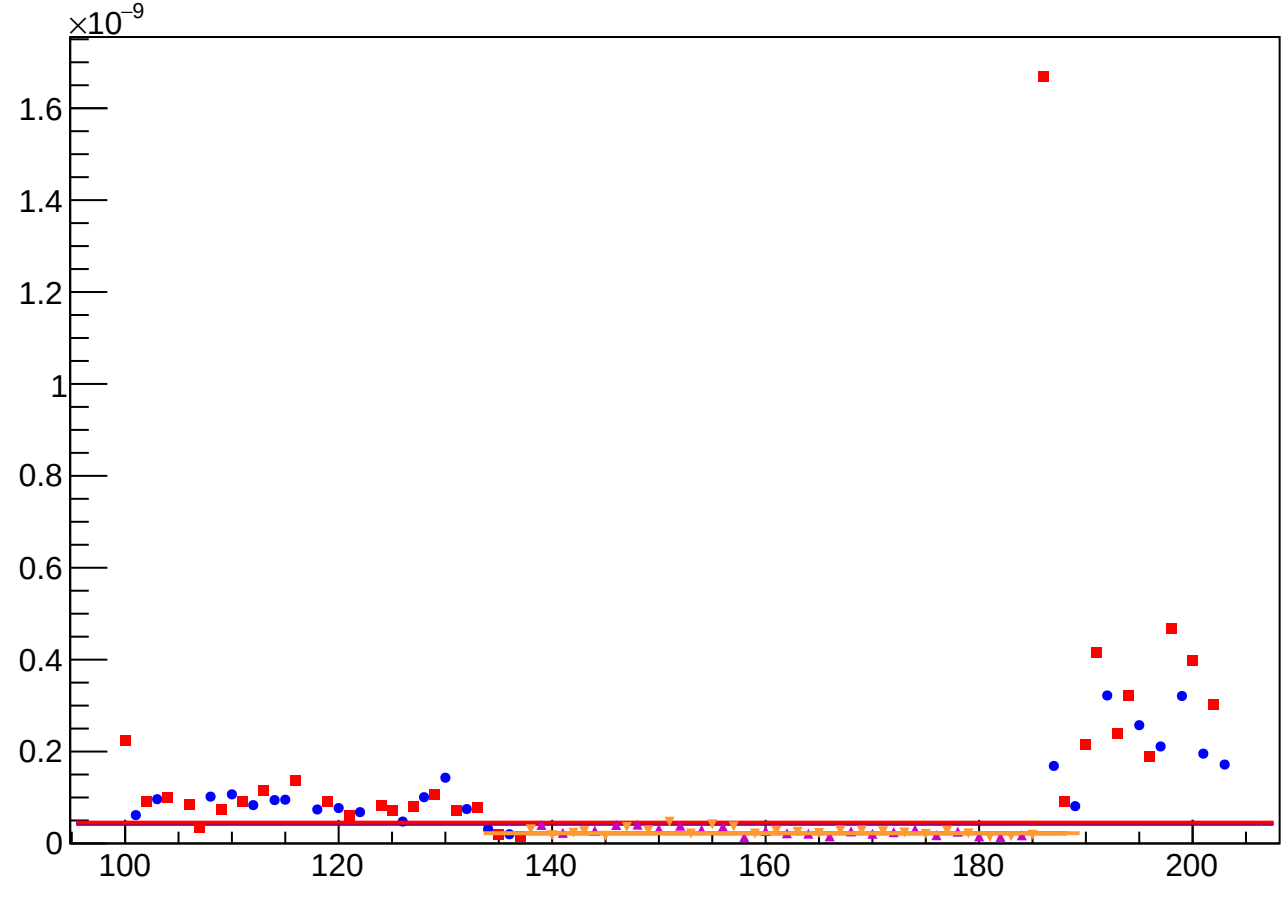
Right: 98.265+/-0.014 χ^2/NDF: 4284443.2/52

In: 84.433+/-0.011 χ^2/NDF:3126765.4/46

Out: 84.202+/-0.011 χ^2/NDF:3554663.7/53

All: 84.313+/-0.008 χ^2/NDF: 6681661.1/100


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: 19.6/23
Left Out: -0.000+/-0.000 χ²/NDF:13.1/24
Right Out: -0.000+/-0.000 χ²/NDF: 25.4/28
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: 48.1/52
In: 0.000+/-0.000 χ²/NDF:60.0/46
Out: -0.000+/-0.000 χ²/NDF:39.0/53
All: 0.000+/-0.000 χ²/NDF: 109.3/100



Right In: 0.000+/-0.000 χ^2/NDF: 7863587.2/23

Left Out: 0.000+/-0.000 χ^2/NDF:2302790.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 10110087.2/28

Left In: 0.000+/-0.000 χ^2/NDF:2802318.8/22

Left: 0.000+/-0.000 χ^2/NDF: 5106315.5/47

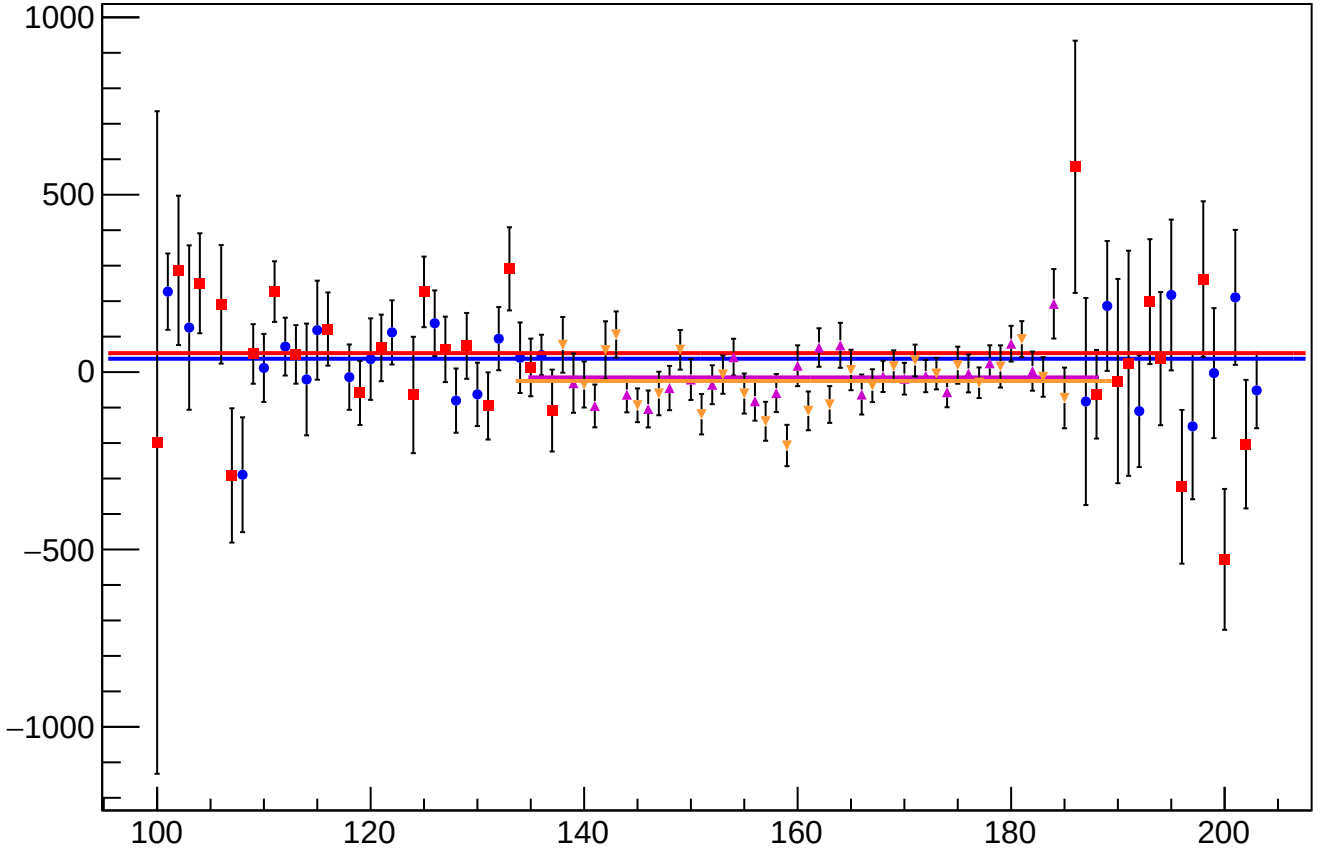
Right: 0.000+/-0.000 χ^2/NDF: 17986346.8/52

In: 0.000+/-0.000 χ^2/NDF:12601732.1/46

Out: 0.000+/-0.000 χ^2/NDF:14515577.3/53

All: 0.000+/-0.000 χ^2/NDF: 27117446.6/100

reg_asym_sam_37_dd_mean vs Slug, Sign Corrected



Right In: 37.695+/-22.476 χ^2/NDF: 18.5/23

Left Out: -24.988+/-10.888 χ^2/NDF:43.1/24

Right Out: 53.449+/-22.763 χ^2/NDF: 44.1/28

Left In: -14.994+/-11.218 χ^2/NDF:24.7/22

Left: -20.140+/-7.813 χ^2/NDF: 68.2/47

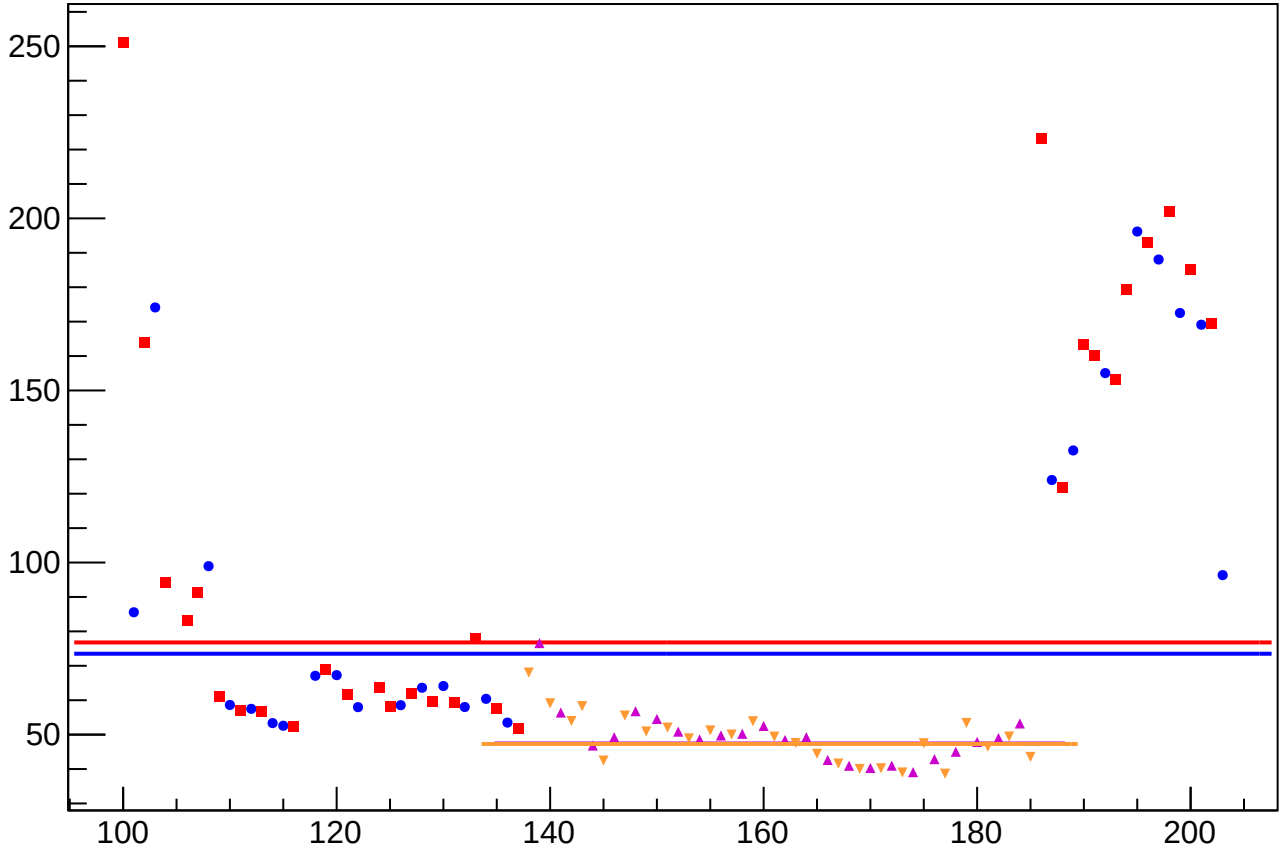
Right: 45.472+/-15.994 χ^2/NDF: 62.8/52

In: -4.486+/-10.037 χ^2/NDF:47.6/46

Out: -10.385+/-9.822 χ^2/NDF:96.9/53

All: -7.499+/-7.020 χ^2/NDF: 144.6/100

reg_asym_sam_37_dd_rms vs Slug, Sign Corrected



Right In: 73.503+/-0.016 χ^2/NDF: 4439224.3/23

Left Out: 47.284+/-0.008 χ^2/NDF:717249.8/24

Right Out: 76.787+/-0.016 χ^2/NDF: 5645766.3/28

Left In: 47.425+/-0.008 χ^2/NDF:655736.9/22

Left: 47.352+/-0.006 χ^2/NDF: 1373150.4/47

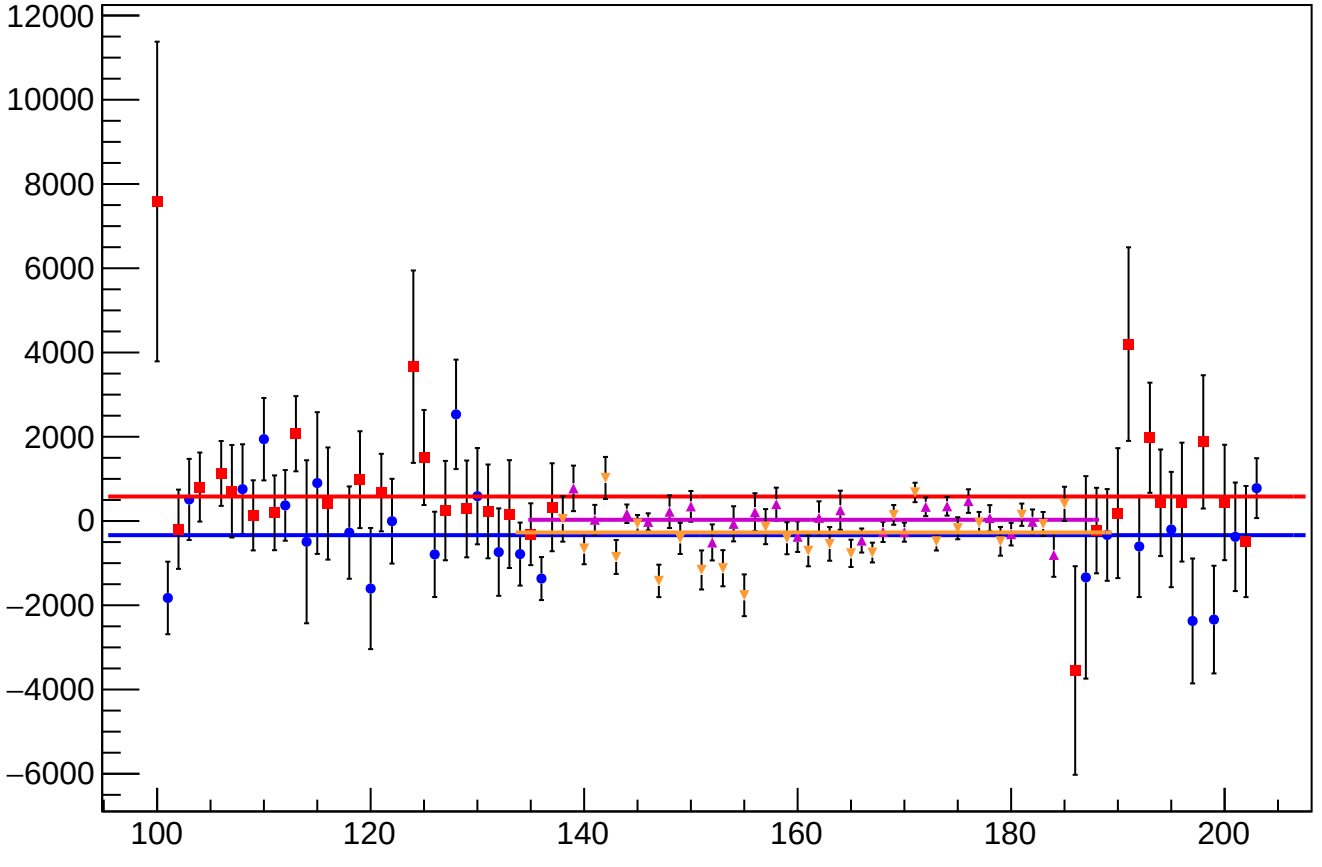
Right: 75.124+/-0.011 χ^2/NDF: 10106069.0/52

In: 52.626+/-0.007 χ^2/NDF:7250387.0/46

Out: 52.776+/-0.007 χ^2/NDF:9097278.9/53

All: 52.703+/-0.005 χ^2/NDF: 16347896.4/100

asym_sam_37_dd_reg_correction_mean vs Slug, Sign Corrected



Right In: -335.933+/-206.400 χ^2/NDF: 29.8/23

Left Out: -271.031+/-62.346 χ^2/NDF:73.9/24

Right Out: 581.204+/-207.254 χ^2/NDF: 21.0/28

Left In: 29.200+/-62.671 χ^2/NDF:24.4/22

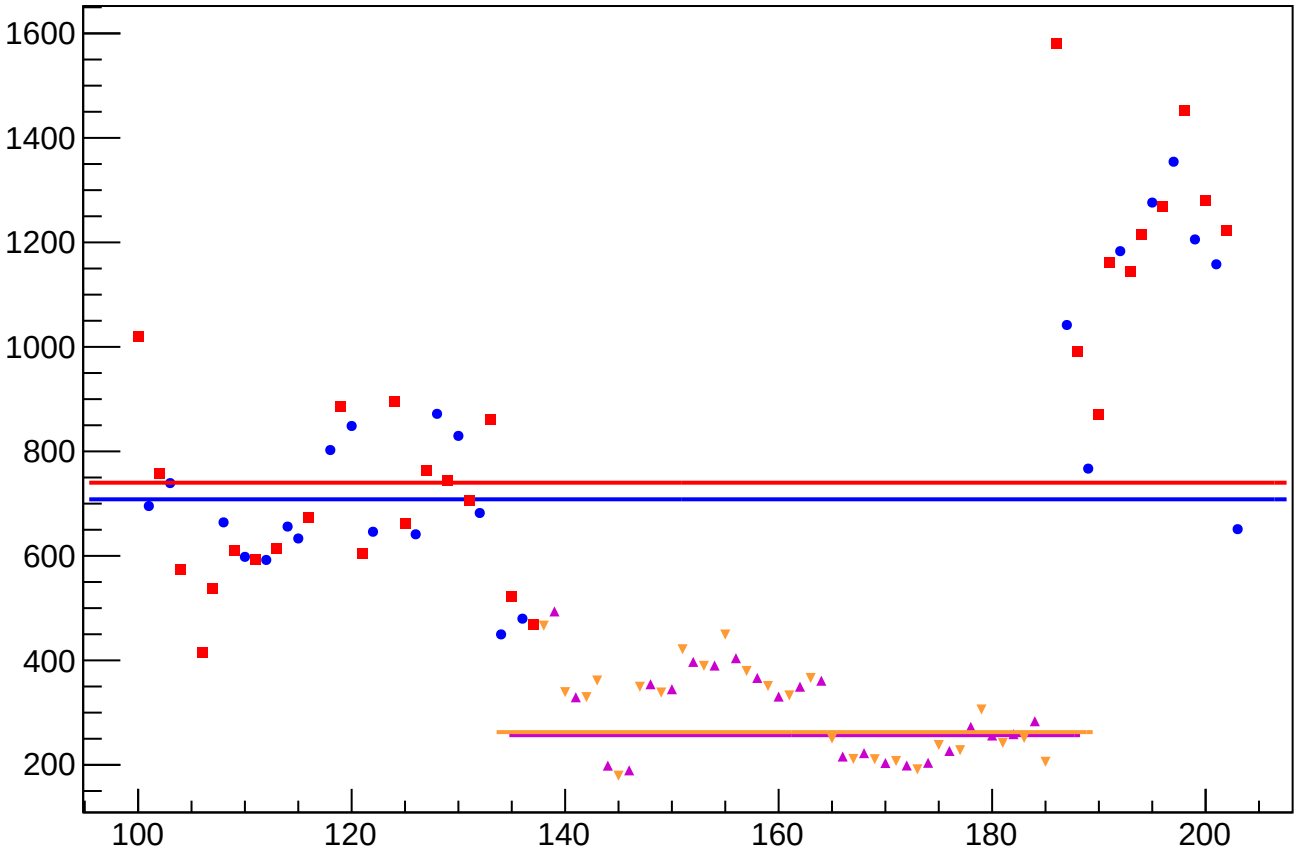
Left: -121.695+/-44.200 χ^2/NDF: 109.8/47

Right: 120.741+/-146.248 χ^2/NDF: 60.5/52

In: -1.622+/-59.967 χ^2/NDF:57.0/46

Out: -200.311+/-59.703 χ^2/NDF:110.4/53

All: -101.405+/-42.310 χ^2/NDF: 172.9/100



Right In: 708.257+/-0.146 χ^2/NDF: 2460736.4/23

Left Out: 262.679+/-0.044 χ^2/NDF:2893255.4/24

Right Out: 740.079+/-0.147 χ^2/NDF: 3265743.7/28

Left In: 256.842+/-0.044 χ^2/NDF:2639200.9/22

Left: 259.776+/-0.031 χ^2/NDF: 5541174.7/47

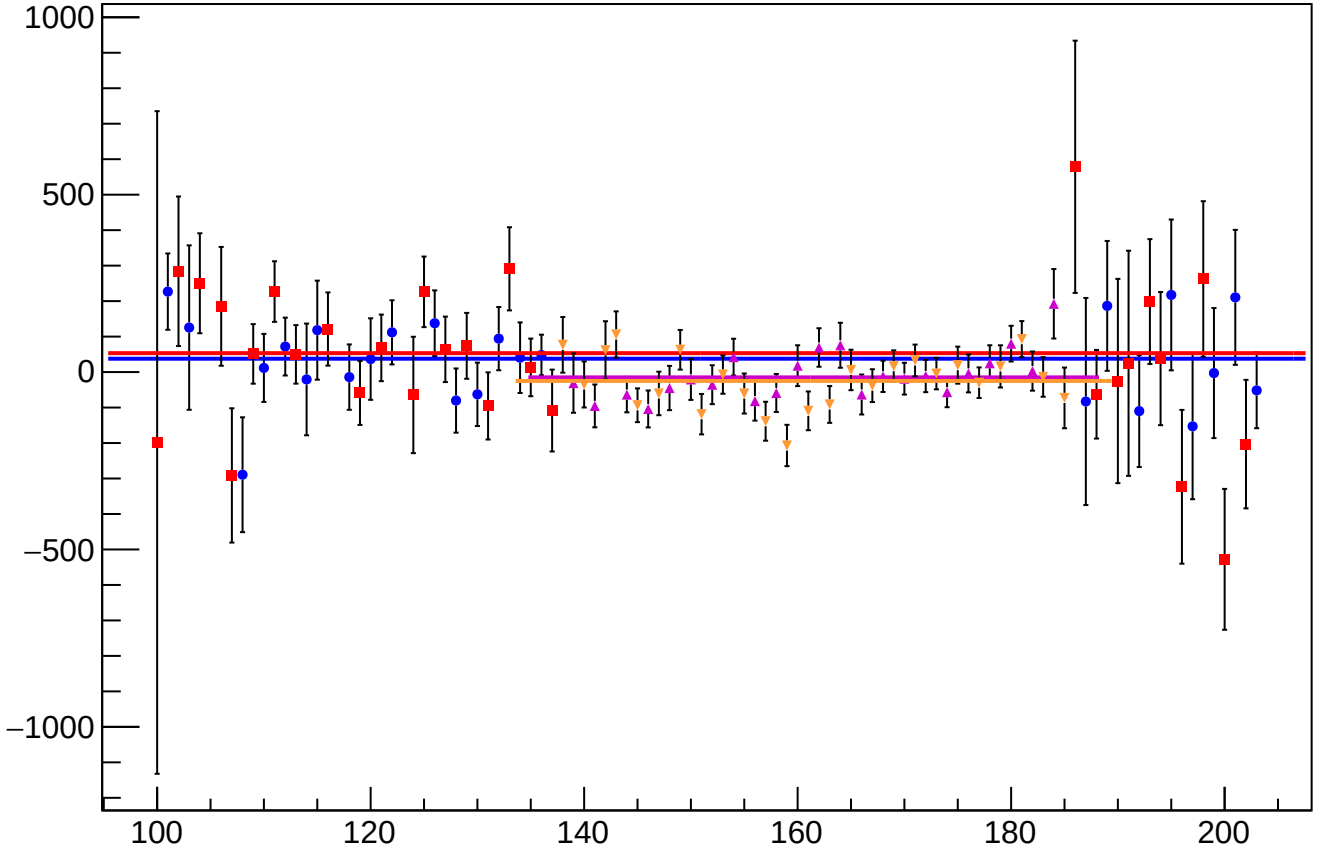
Right: 724.102+/-0.103 χ^2/NDF: 5750151.7/52

In: 294.947+/-0.042 χ^2/NDF:13859095.3/46

Out: 302.295+/-0.042 χ^2/NDF:15890162.5/53

All: 298.637+/-0.030 χ^2/NDF: 29764335.0/10

cor_asym_sam_37_dd_mean vs Slug, Sign Corrected



Right In: 37.689+/-22.476 χ^2/NDF: 18.5/23

Left Out: -24.985+/-10.888 χ^2/NDF:43.1/24

Right Out: 53.289+/-22.764 χ^2/NDF: 44.0/28

Left In: -14.992+/-11.218 χ^2/NDF:24.7/22

Left: -20.138+/-7.813 χ^2/NDF: 68.2/47

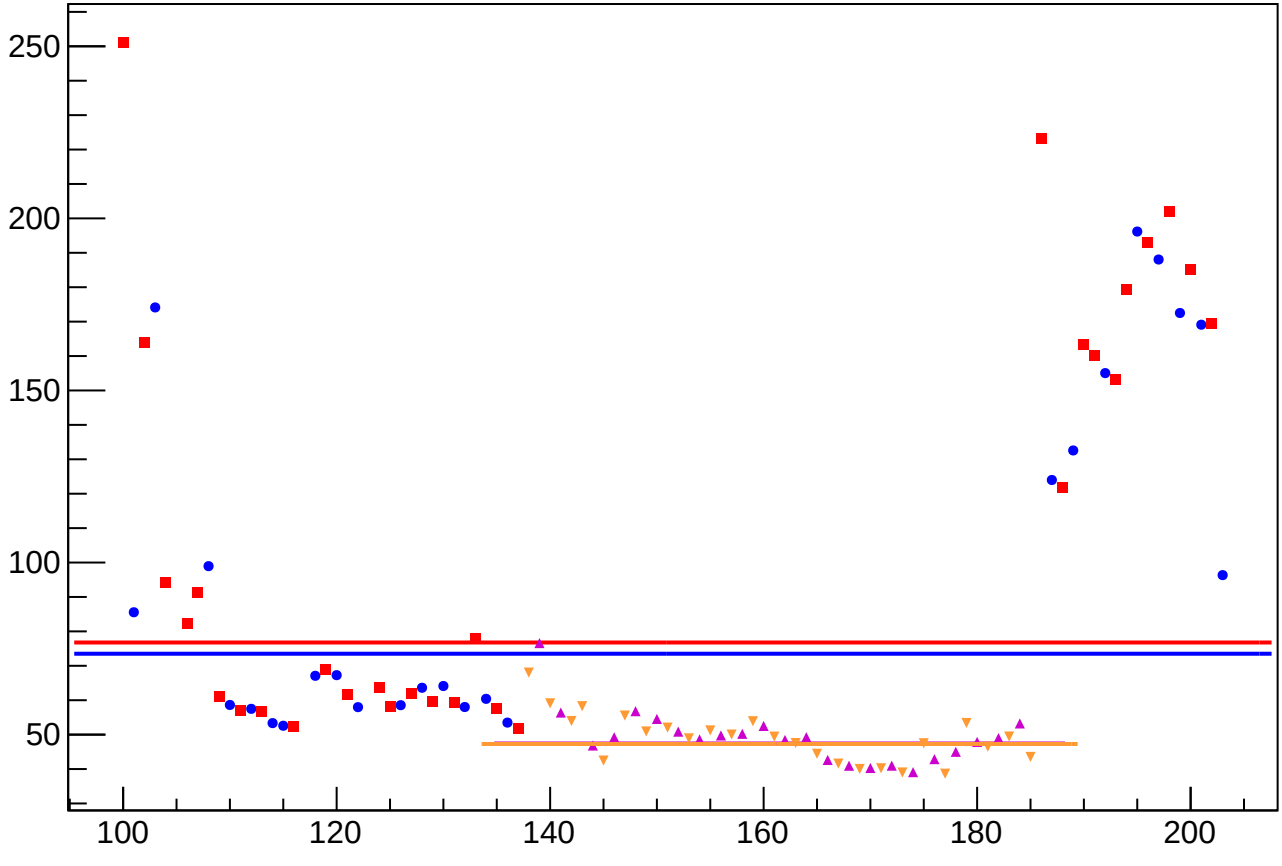
Right: 45.390+/-15.994 χ^2/NDF: 62.7/52

In: -4.486+/-10.037 χ^2/NDF:47.6/46

Out: -10.413+/-9.822 χ^2/NDF:96.7/53

All: -7.514+/-7.020 χ^2/NDF: 144.5/100

cor_asym_sam_37_dd_rms vs Slug, Sign Corrected



Right In: 73.503+/-0.016 χ^2/NDF: 4439226.7/23

Left Out: 47.284+/-0.008 χ^2/NDF:717249.7/24

Right Out: 76.767+/-0.016 χ^2/NDF: 5645067.9/28

Left In: 47.425+/-0.008 χ^2/NDF:655736.9/22

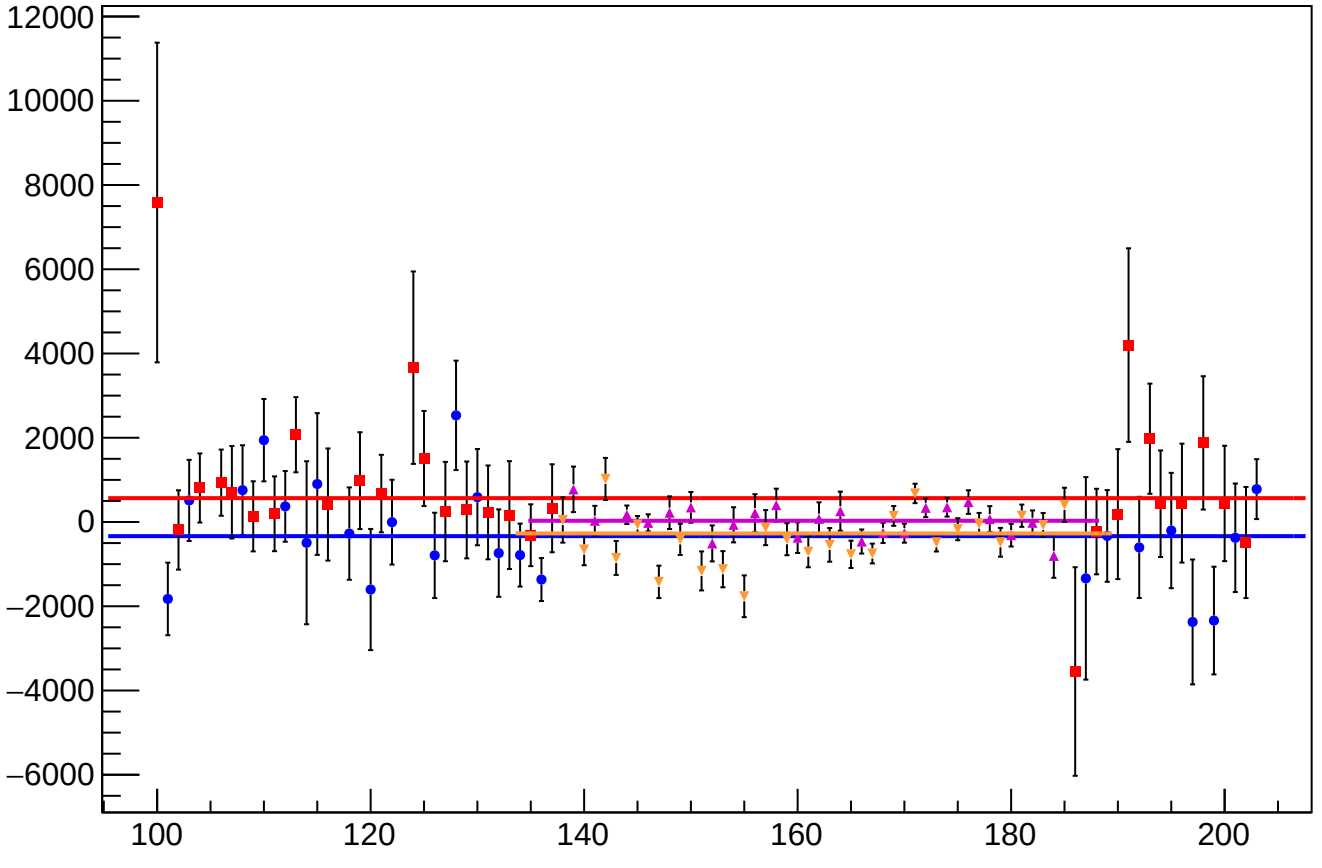
Left: 47.352+/-0.006 χ^2/NDF: 1373150.3/47

Right: 75.114+/-0.011 χ^2/NDF: 10105121.2/52

In: 52.626+/-0.007 χ^2/NDF:7250388.8/46

Out: 52.772+/-0.007 χ^2/NDF:9092715.4/53

All: 52.701+/-0.005 χ^2/NDF: 16343322.3/100



Right In: -335.931+/-206.401 χ^2/NDF: 29.8/23

Left Out: -271.027+/-62.346 χ^2/NDF:73.9/24

Right Out: 566.477+/-207.559 χ^2/NDF: 20.6/28

Left In: 29.202+/-62.671 χ^2/NDF:24.4/22

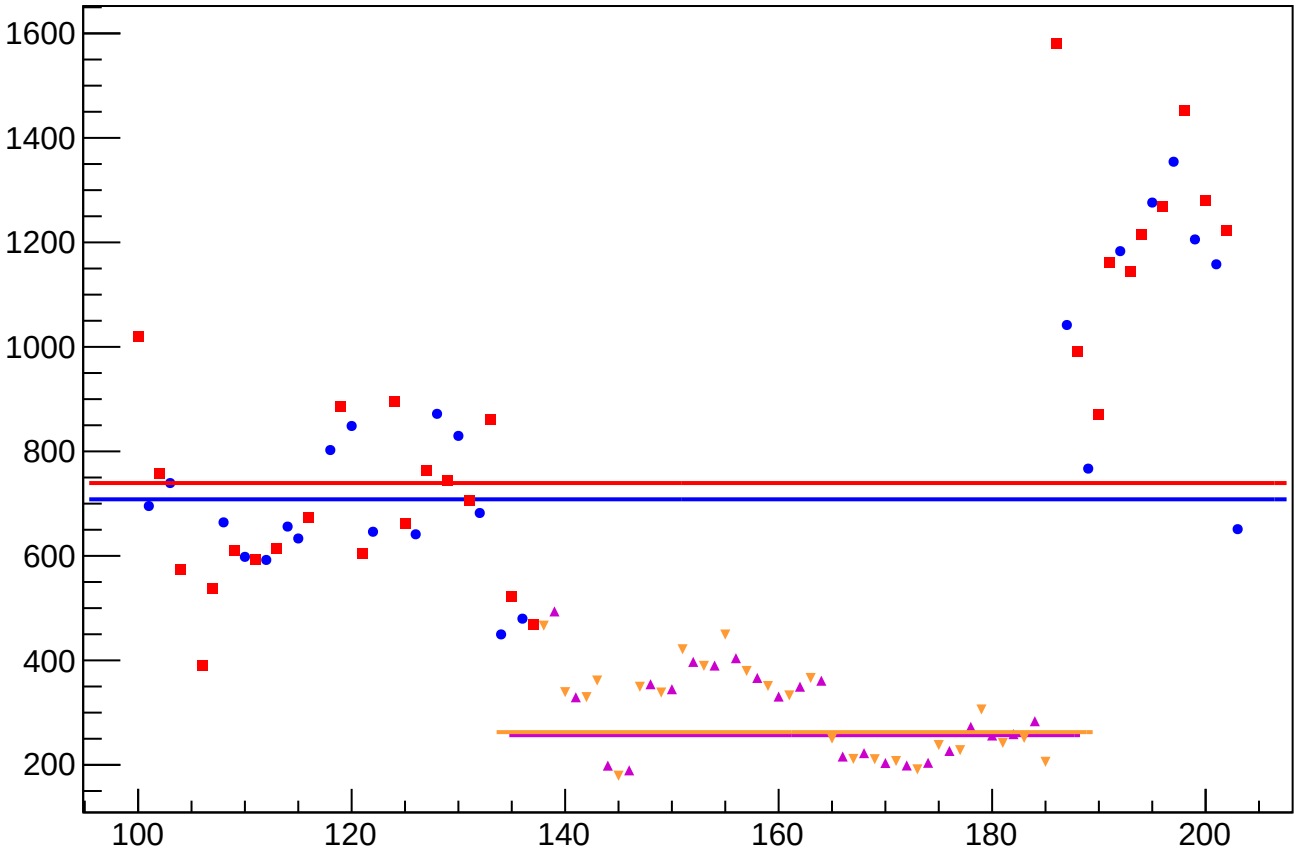
Left: -121.692+/-44.200 χ^2/NDF: 109.8/47

Right: 112.749+/-146.355 χ^2/NDF: 59.9/52

In: -1.619+/-59.967 χ^2/NDF:57.0/46

Out: -201.715+/-59.710 χ^2/NDF:109.5/53

All: -102.097+/-42.312 χ^2/NDF: 172.1/100



Right In: 708.260+/-0.146 χ^2/NDF: 2460746.0/23

Left Out: 262.679+/-0.044 χ^2/NDF:2893257.1/24

Right Out: 739.402+/-0.147 χ^2/NDF: 3303034.9/28

Left In: 256.842+/-0.044 χ^2/NDF:2639196.2/22

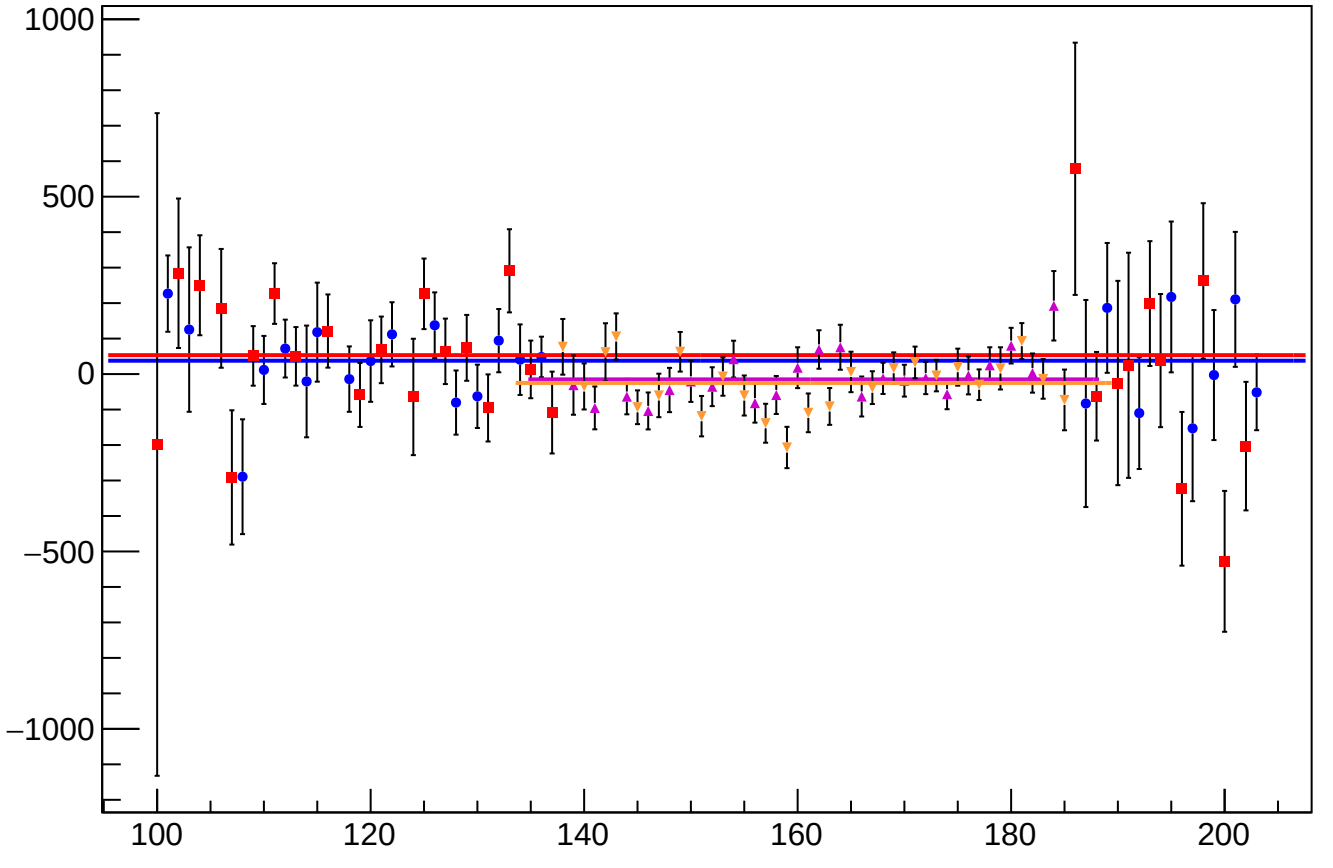
Left: 259.776+/-0.031 χ^2/NDF: 5541171.4/47

Right: 723.744+/-0.103 χ^2/NDF: 5786419.0/52

In: 294.947+/-0.042 χ^2/NDF:13859140.5/46

Out: 302.132+/-0.042 χ^2/NDF:15873804.2/53

All: 298.555+/-0.030 χ^2/NDF: 29747360.2/10



Right In: 37.689+/-22.476 χ^2/NDF: 18.5/23

Left Out: -24.985+/-10.888 χ^2/NDF:43.1/24

Right Out: 53.289+/-22.764 χ^2/NDF: 44.0/28

Left In: -14.992+/-11.218 χ^2/NDF:24.7/22

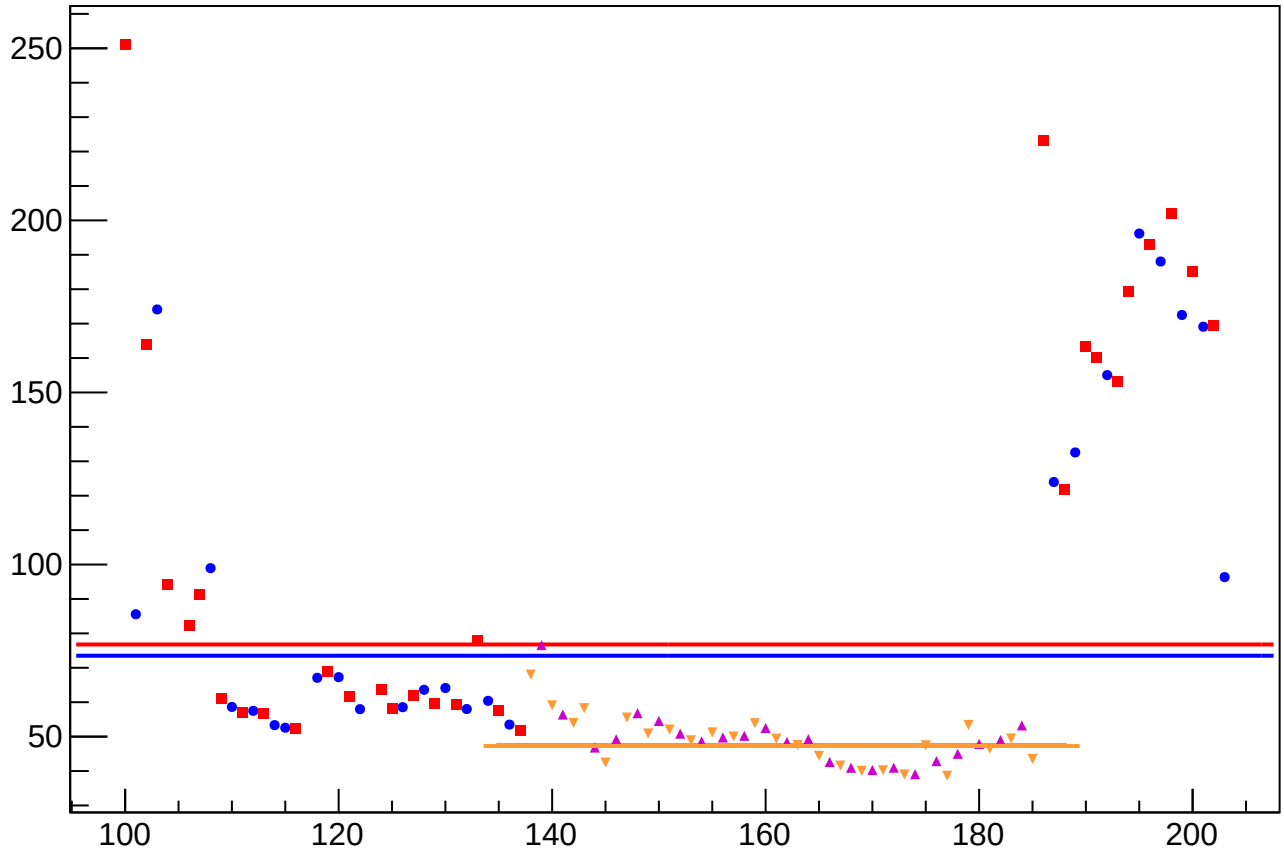
Left: -20.138+/-7.813 χ^2/NDF: 68.2/47

Right: 45.390+/-15.994 χ^2/NDF: 62.7/52

In: -4.486+/-10.037 χ^2/NDF:47.6/46

Out: -10.413+/-9.822 χ^2/NDF:96.7/53

All: -7.514+/-7.020 χ^2/NDF: 144.5/100



Right In: 73.503+/-0.016 χ^2/NDF: 4439226.7/23

Left Out: 47.284+/-0.008 χ^2/NDF:717249.7/24

Right Out: 76.767+/-0.016 χ^2/NDF: 5645067.9/28

Left In: 47.425+/-0.008 χ^2/NDF:655736.9/22

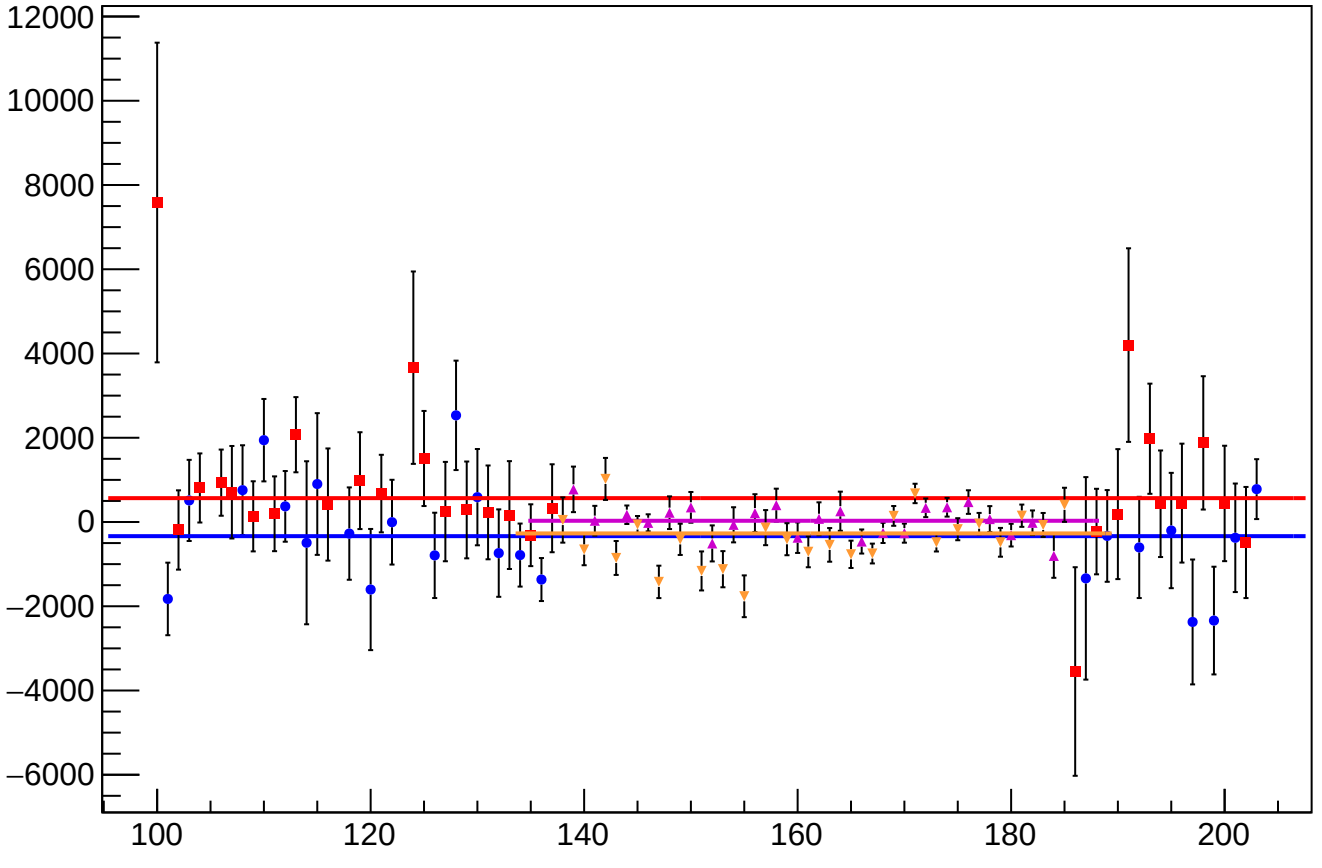
Left: 47.352+/-0.006 χ^2/NDF: 1373150.3/47

Right: 75.114+/-0.011 χ^2/NDF: 10105121.2/52

In: 52.626+/-0.007 χ^2/NDF:7250388.8/46

Out: 52.772+/-0.007 χ^2/NDF:9092715.4/53

All: 52.701+/-0.005 χ^2/NDF: 16343322.3/100



Right In: -335.931+/-206.401 χ^2/NDF: 29.8/23

Left Out: -271.027+/-62.346 χ^2/NDF:73.9/24

Right Out: 566.477+/-207.559 χ^2/NDF: 20.6/28

Left In: 29.202+/-62.671 χ^2/NDF:24.4/22

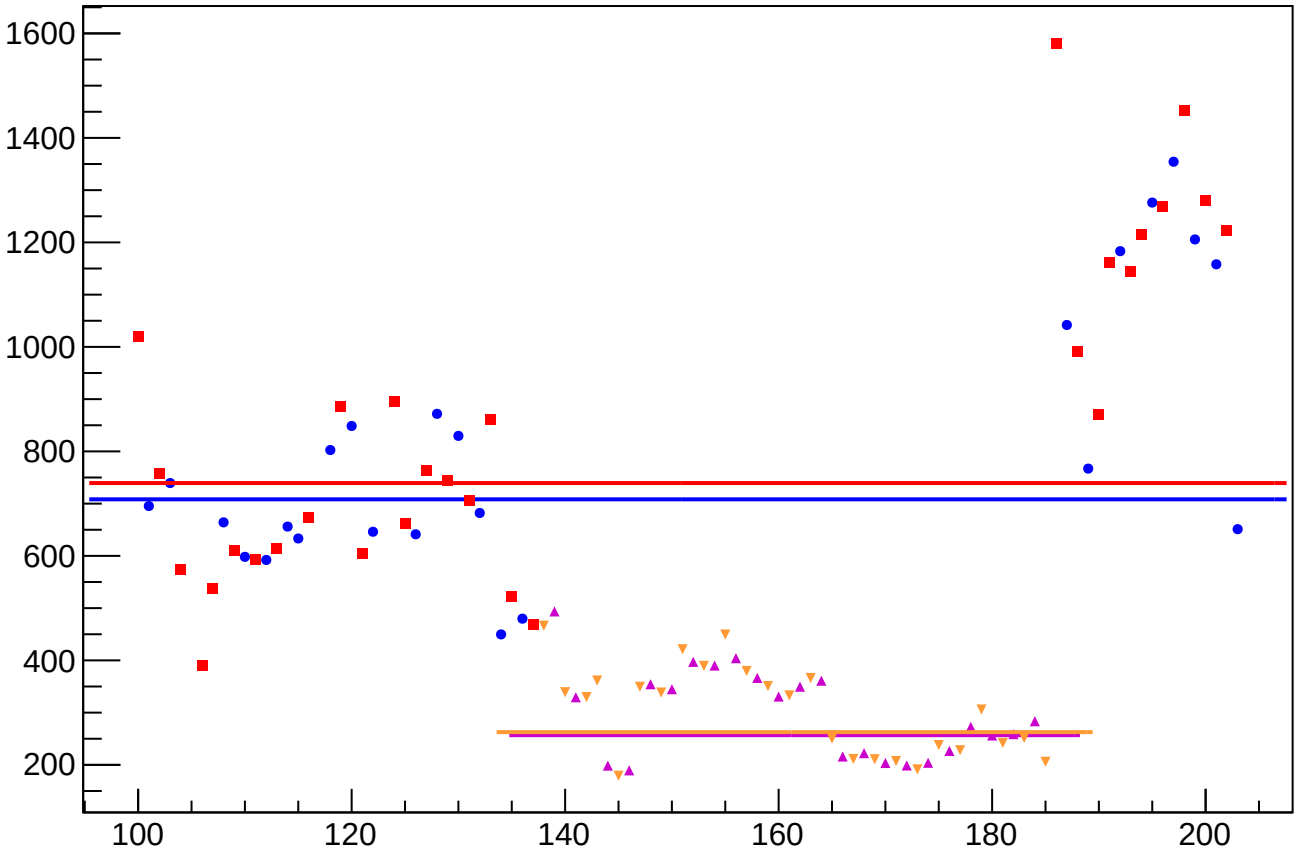
Left: -121.692+/-44.200 χ^2/NDF: 109.8/47

Right: 112.749+/-146.355 χ^2/NDF: 59.9/52

In: -1.619+/-59.967 χ^2/NDF:57.0/46

Out: -201.715+/-59.710 χ^2/NDF:109.5/53

All: -102.097+/-42.312 χ^2/NDF: 172.1/100



Right In: 708.260+/-0.146 χ^2/NDF: 2460746.0/23

Left Out: 262.679+/-0.044 χ^2/NDF:2893257.1/24

Right Out: 739.402+/-0.147 χ^2/NDF: 3303034.9/28

Left In: 256.842+/-0.044 χ^2/NDF:2639196.2/22

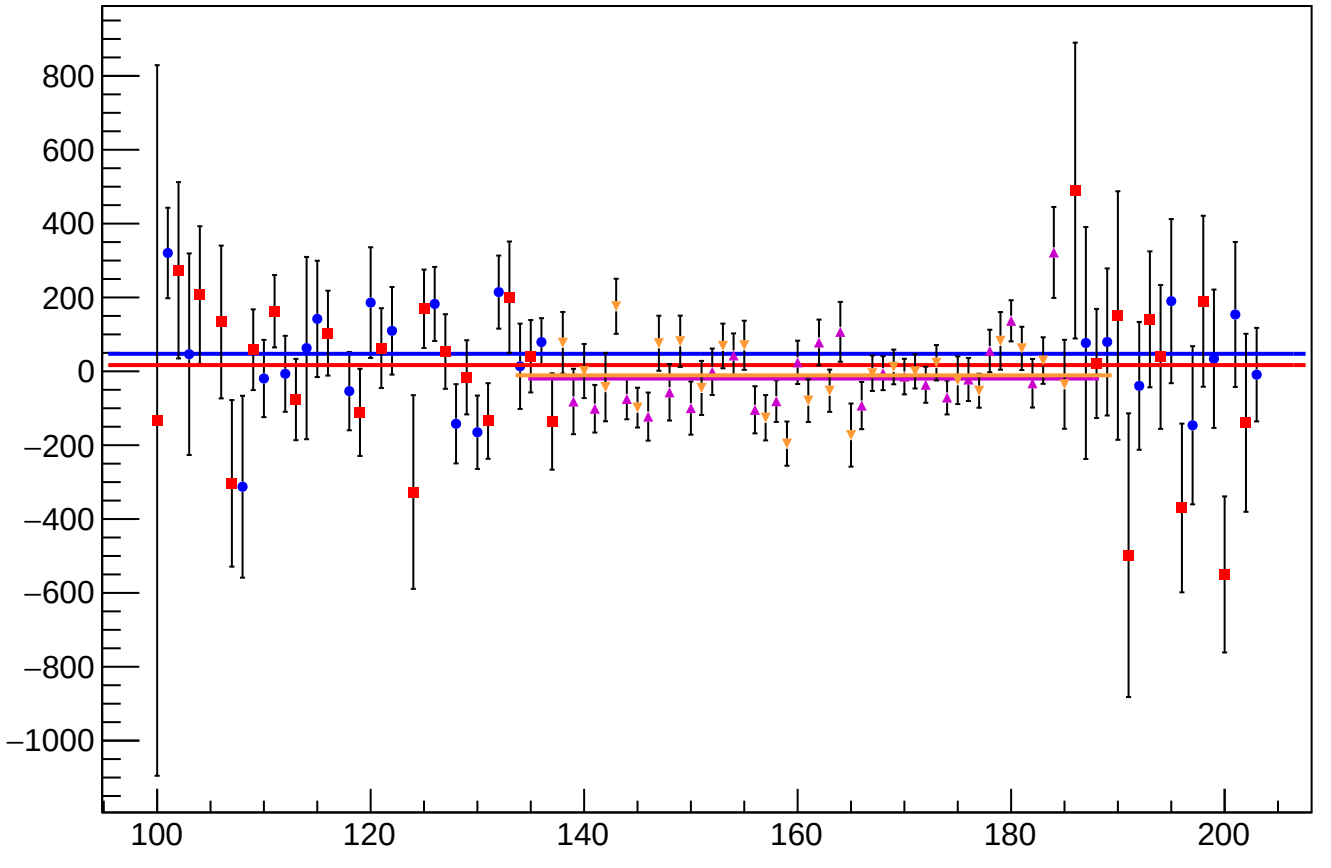
Left: 259.776+/-0.031 χ^2/NDF: 5541171.4/47

Right: 723.744+/-0.103 χ^2/NDF: 5786419.0/52

In: 294.947+/-0.042 χ^2/NDF:13859140.5/46

Out: 302.132+/-0.042 χ^2/NDF:15873804.2/53

All: 298.555+/-0.030 χ^2/NDF: 29747360.2/10



Right In: 47.426+/-26.040 χ^2/NDF: 24.9/23

Left Out: -10.823+/-12.306 χ^2/NDF:40.4/24

Right Out: 16.922+/-26.750 χ^2/NDF: 33.5/28

Left In: -19.597+/-12.546 χ^2/NDF:36.8/22

Left: -15.126+/-8.785 χ^2/NDF: 77.4/47

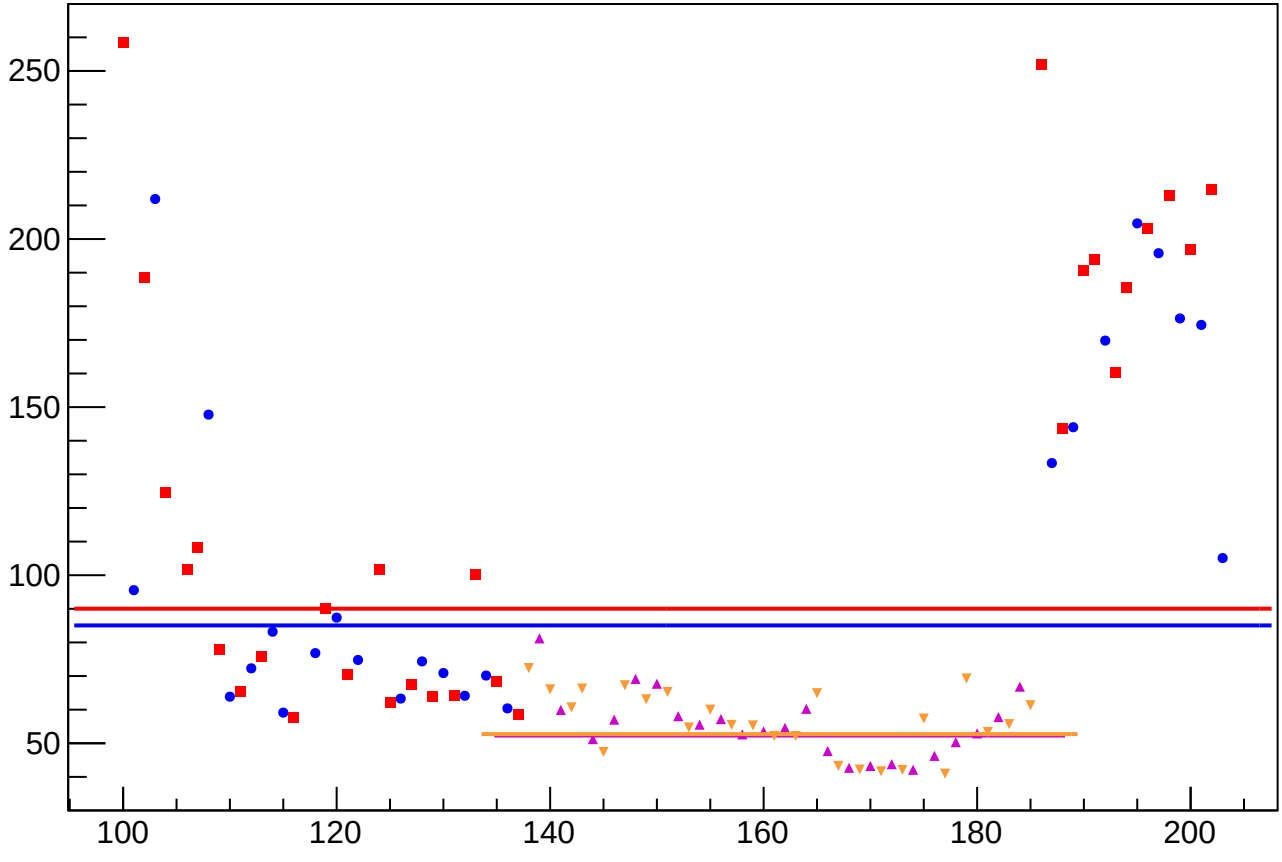
Right: 32.584+/-18.659 χ^2/NDF: 59.1/52

In: -6.971+/-11.302 χ^2/NDF:67.0/46

Out: -5.977+/-11.180 χ^2/NDF:74.8/53

All: -6.469+/-7.948 χ^2/NDF: 141.9/100

dit_asym_sam_37_dd_rms vs Slug, Sign Corrected



Right In: 85.055+/-0.018 χ^2/NDF: 4094998.6/23

Left Out: 52.731+/-0.009 χ^2/NDF:1167195.4/24

Right Out: 90.043+/-0.019 χ^2/NDF: 5418721.9/28

Left In: 52.314+/-0.009 χ^2/NDF:891847.5/22

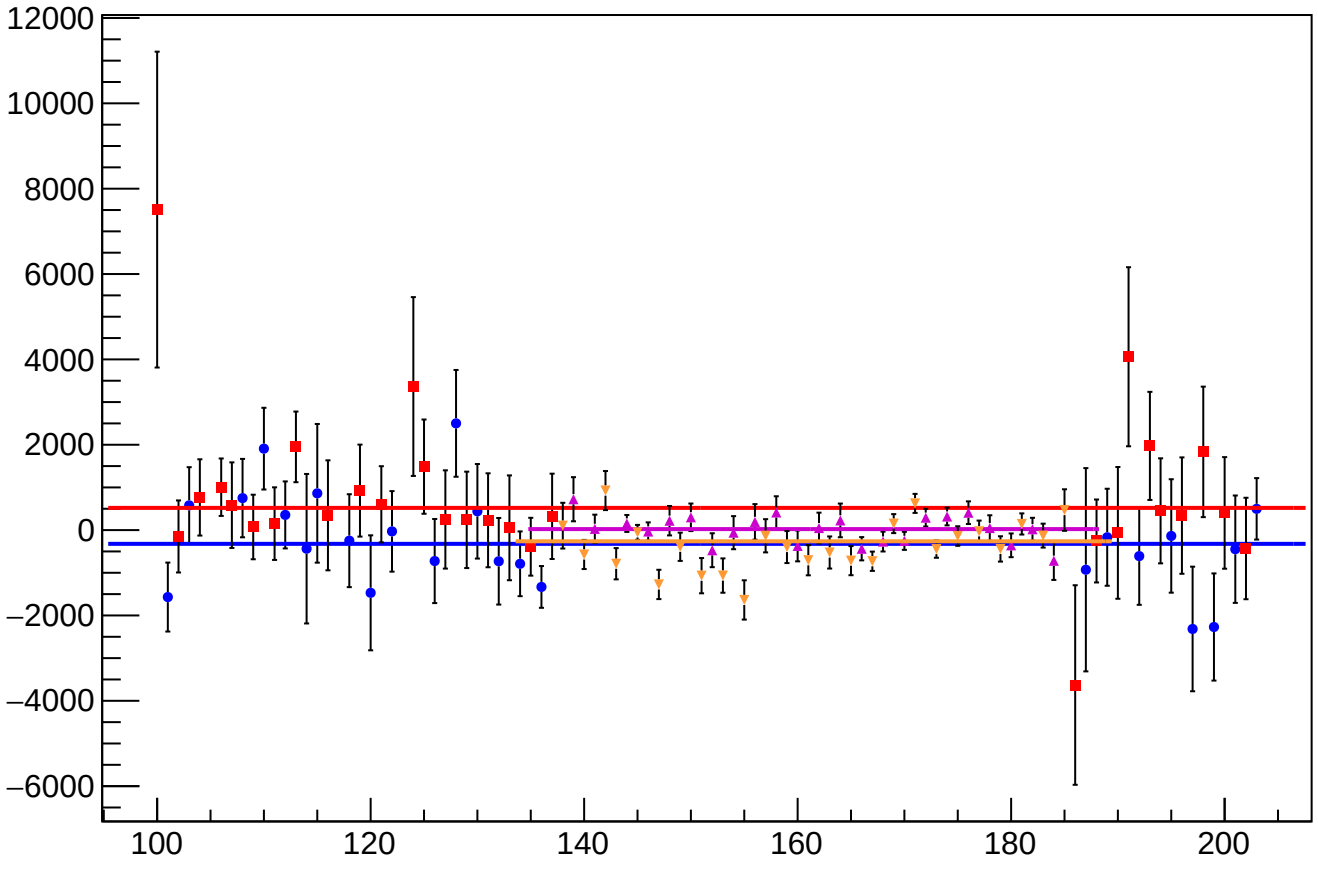
Left: 52.526+/-0.006 χ^2/NDF: 2060169.7/47

Right: 87.482+/-0.013 χ^2/NDF: 9549421.9/52

In: 58.482+/-0.008 χ^2/NDF:7553019.3/46

Out: 59.248+/-0.008 χ^2/NDF:9797359.9/53

All: 58.869+/-0.006 χ^2/NDF: 17355024.8/100



Right In: -322.088+/-199.126 χ^2/NDF: 28.6/23

Left Out: -262.582+/-58.501 χ^2/NDF:72.2/24

Right Out: 520.539+/-196.407 χ^2/NDF: 22.8/28

Left In: 23.469+/-59.397 χ^2/NDF:24.2/22

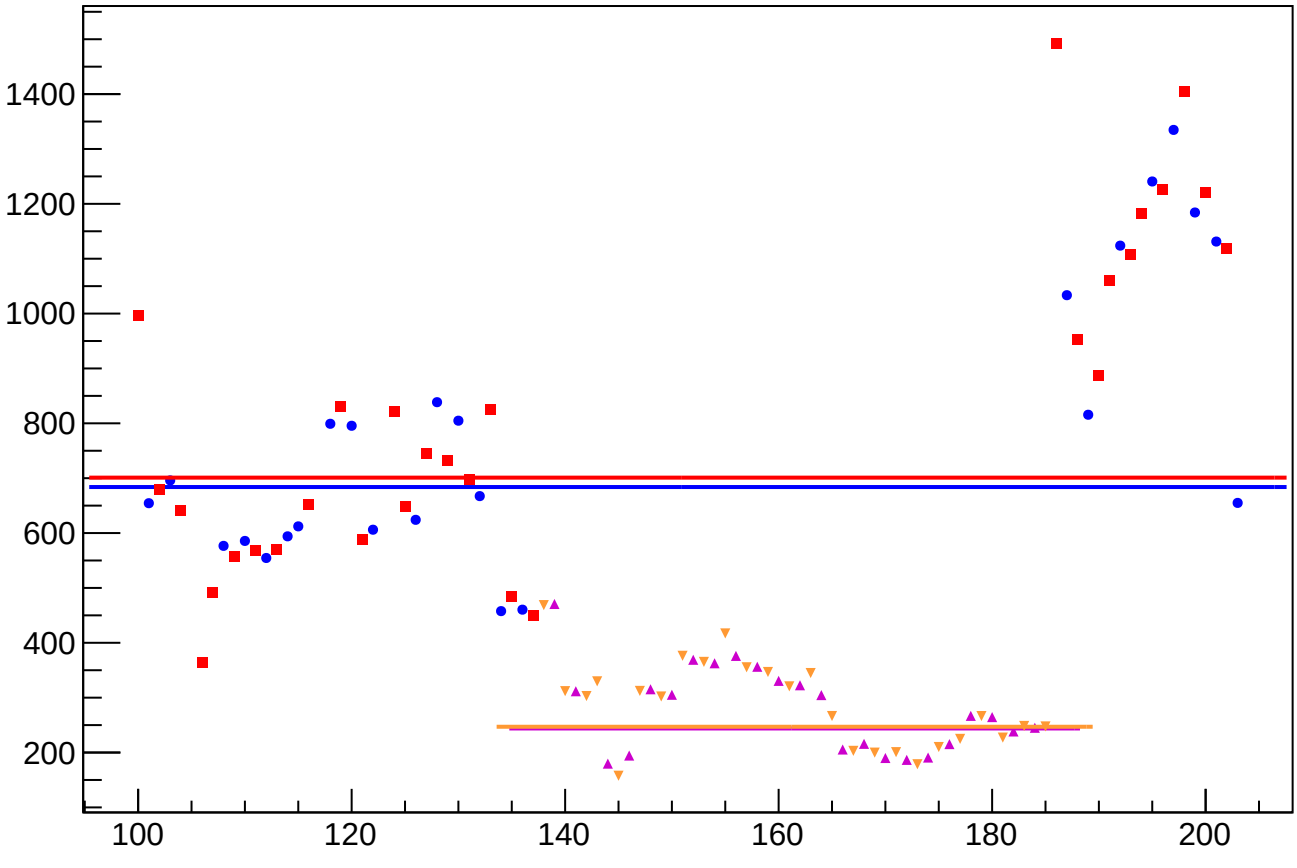
Left: -121.730+/-41.679 χ^2/NDF: 108.2/47

Right: 105.017+/-139.832 χ^2/NDF: 60.4/52

In: -4.765+/-56.918 χ^2/NDF:55.5/46

Out: -198.766+/-56.067 χ^2/NDF:109.6/53

All: -103.228+/-39.943 χ^2/NDF: 171.0/100



Right In: 683.878+/-0.141 χ^2/NDF: 2511016.0/23

Left Out: 246.995+/-0.041 χ^2/NDF:2925691.6/24

Right Out: 701.014+/-0.139 χ^2/NDF: 3462904.1/28

Left In: 243.825+/-0.042 χ^2/NDF:2490545.8/22

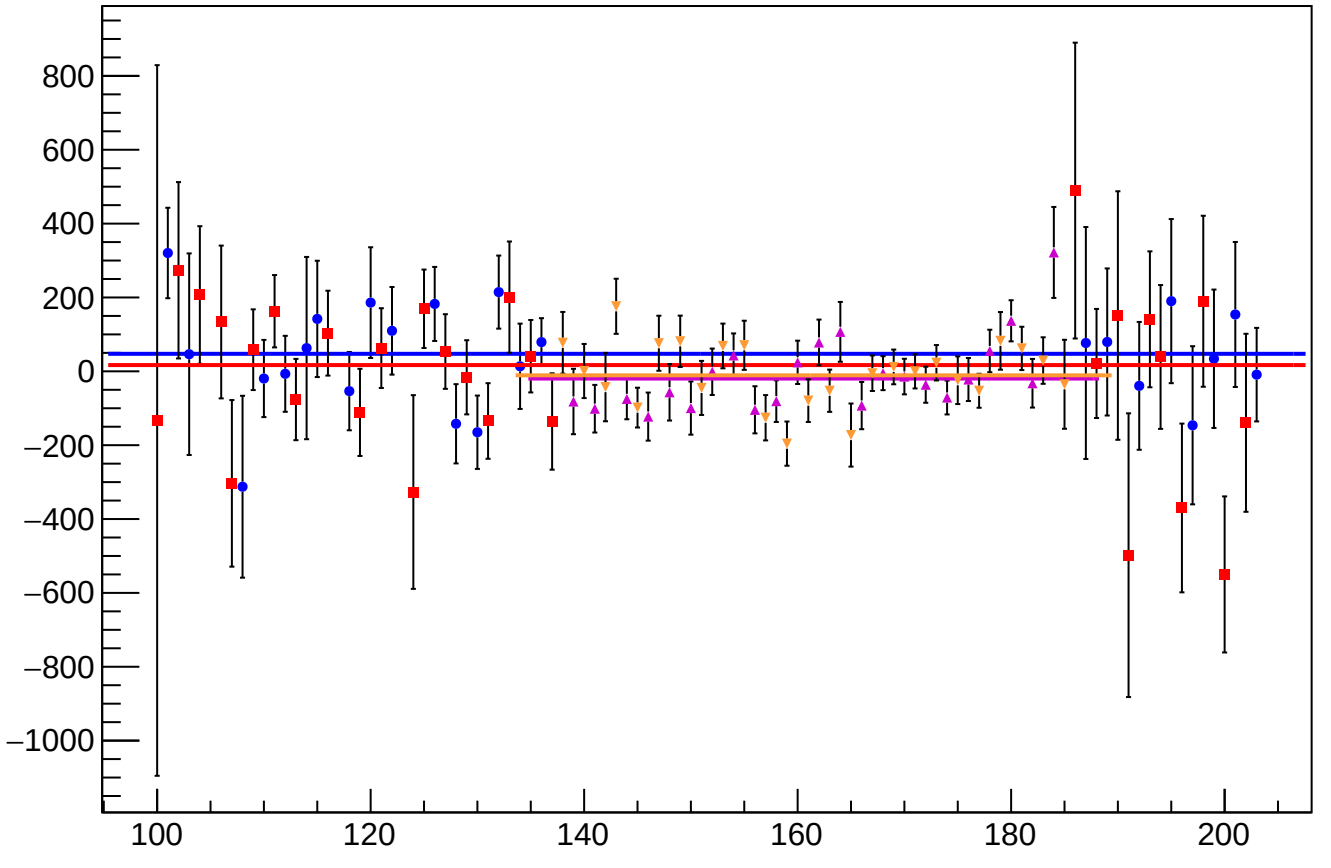
Left: 245.434+/-0.029 χ^2/NDF: 5419129.9/47

Right: 692.564+/-0.099 χ^2/NDF: 5981427.2/52

In: 279.780+/-0.040 χ^2/NDF:13971048.4/46

Out: 283.993+/-0.040 χ^2/NDF:16204882.5/53

All: 281.918+/-0.028 χ^2/NDF: 30181491.6/10



Right In: 47.425+/-26.040 χ^2/NDF: 24.9/23

Left Out: -10.822+/-12.306 χ^2/NDF:40.4/24

Right Out: 16.921+/-26.750 χ^2/NDF: 33.5/28

Left In: -19.598+/-12.546 χ^2/NDF:36.8/22

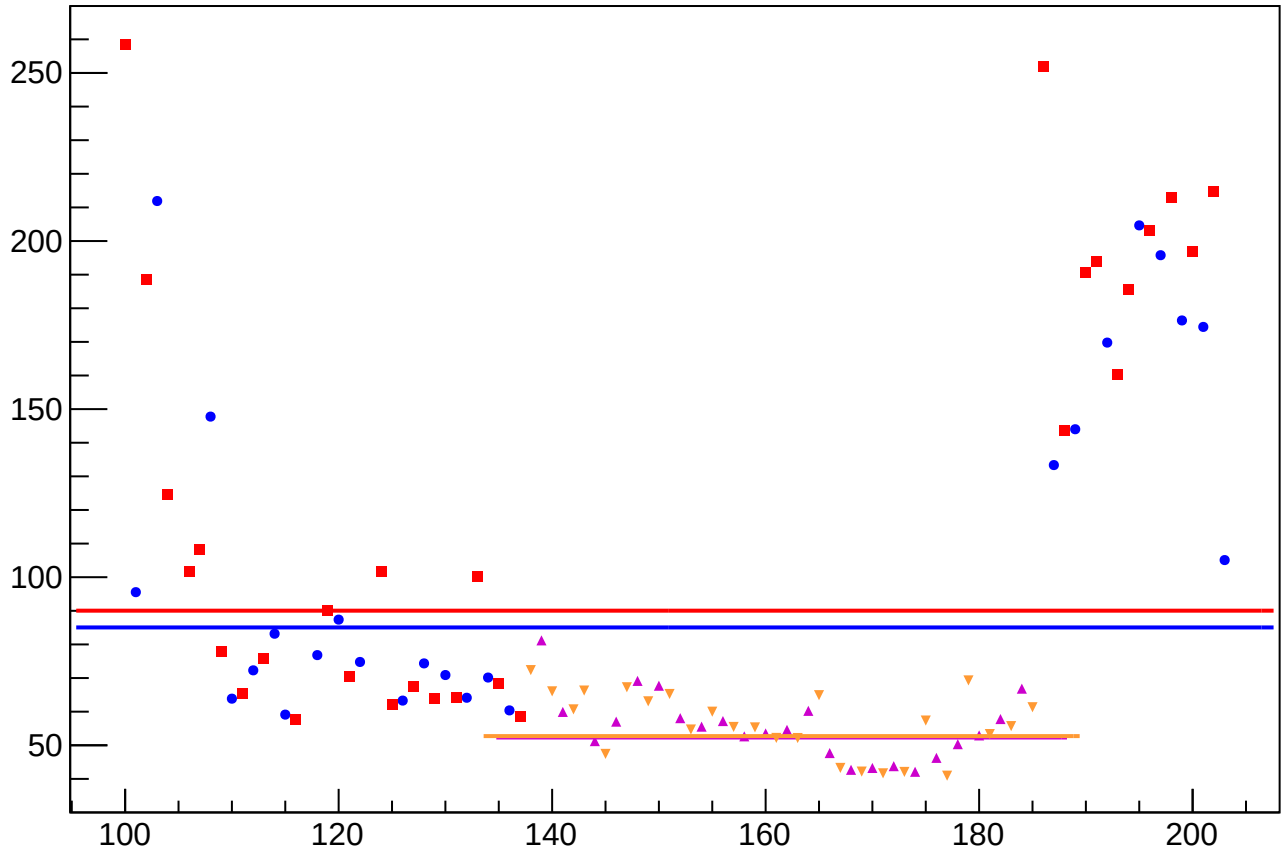
Left: -15.125+/-8.785 χ^2/NDF: 77.4/47

Right: 32.584+/-18.659 χ^2/NDF: 59.1/52

In: -6.971+/-11.302 χ^2/NDF:67.0/46

Out: -5.976+/-11.180 χ^2/NDF:74.8/53

All: -6.468+/-7.948 χ^2/NDF: 141.9/100



Right In: 85.055+/-0.018 χ^2/NDF: 4095019.9/23

Left Out: 52.731+/-0.009 χ^2/NDF:1167223.2/24

Right Out: 90.043+/-0.019 χ^2/NDF: 5418721.5/28

Left In: 52.314+/-0.009 χ^2/NDF:891856.0/22

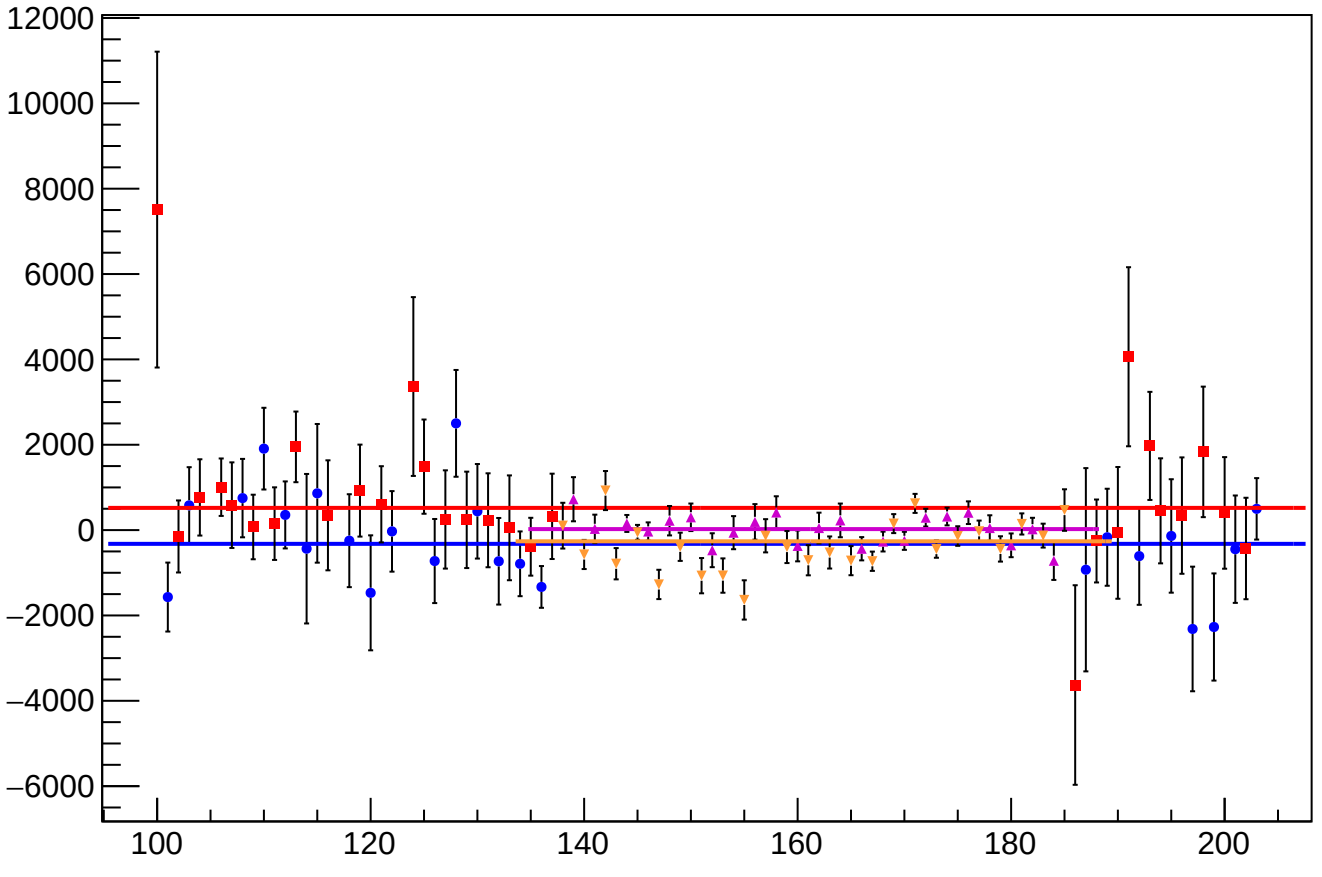
Left: 52.526+/-0.006 χ^2/NDF: 2060206.1/47

Right: 87.482+/-0.013 χ^2/NDF: 9549444.0/52

In: 58.482+/-0.008 χ^2/NDF:7553018.9/46

Out: 59.248+/-0.008 χ^2/NDF:9797363.7/53

All: 58.869+/-0.006 χ^2/NDF: 17355028.4/100



Right In: -322.088+/-199.126 χ^2/NDF: 28.6/23

Left Out: -262.582+/-58.501 χ^2/NDF:72.2/24

Right Out: 520.539+/-196.407 χ^2/NDF: 22.8/28

Left In: 23.469+/-59.397 χ^2/NDF:24.2/22

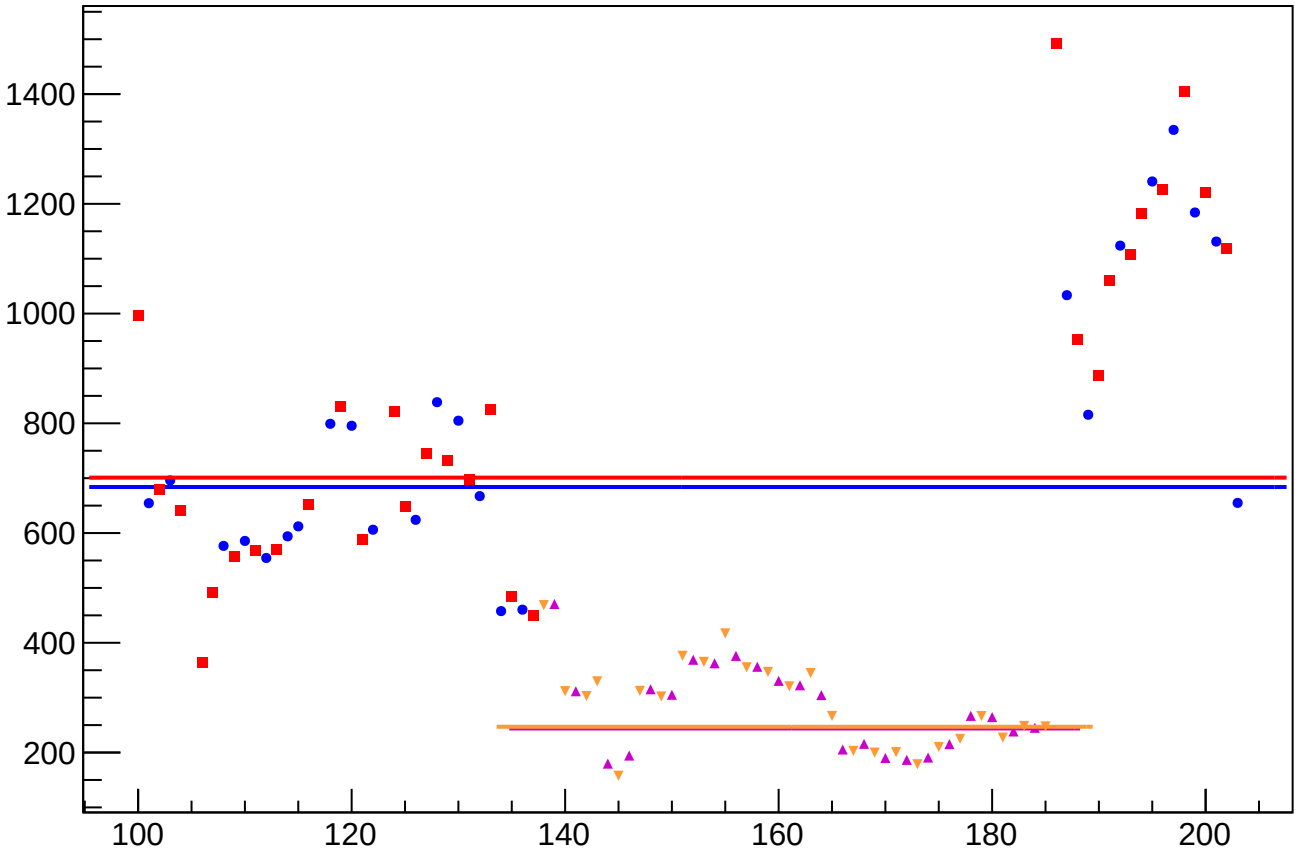
Left: -121.730+/-41.679 χ^2/NDF: 108.2/47

Right: 105.017+/-139.832 χ^2/NDF: 60.4/52

In: -4.765+/-56.918 χ^2/NDF:55.5/46

Out: -198.767+/-56.067 χ^2/NDF:109.6/53

All: -103.228+/-39.943 χ^2/NDF: 171.0/100



Right In: 683.878+/-0.141 χ^2/NDF: 2511004.4/23

Left Out: 246.995+/-0.041 χ^2/NDF:2925680.1/24

Right Out: 701.013+/-0.139 χ^2/NDF: 3462898.9/28

Left In: 243.825+/-0.042 χ^2/NDF:2490539.0/22

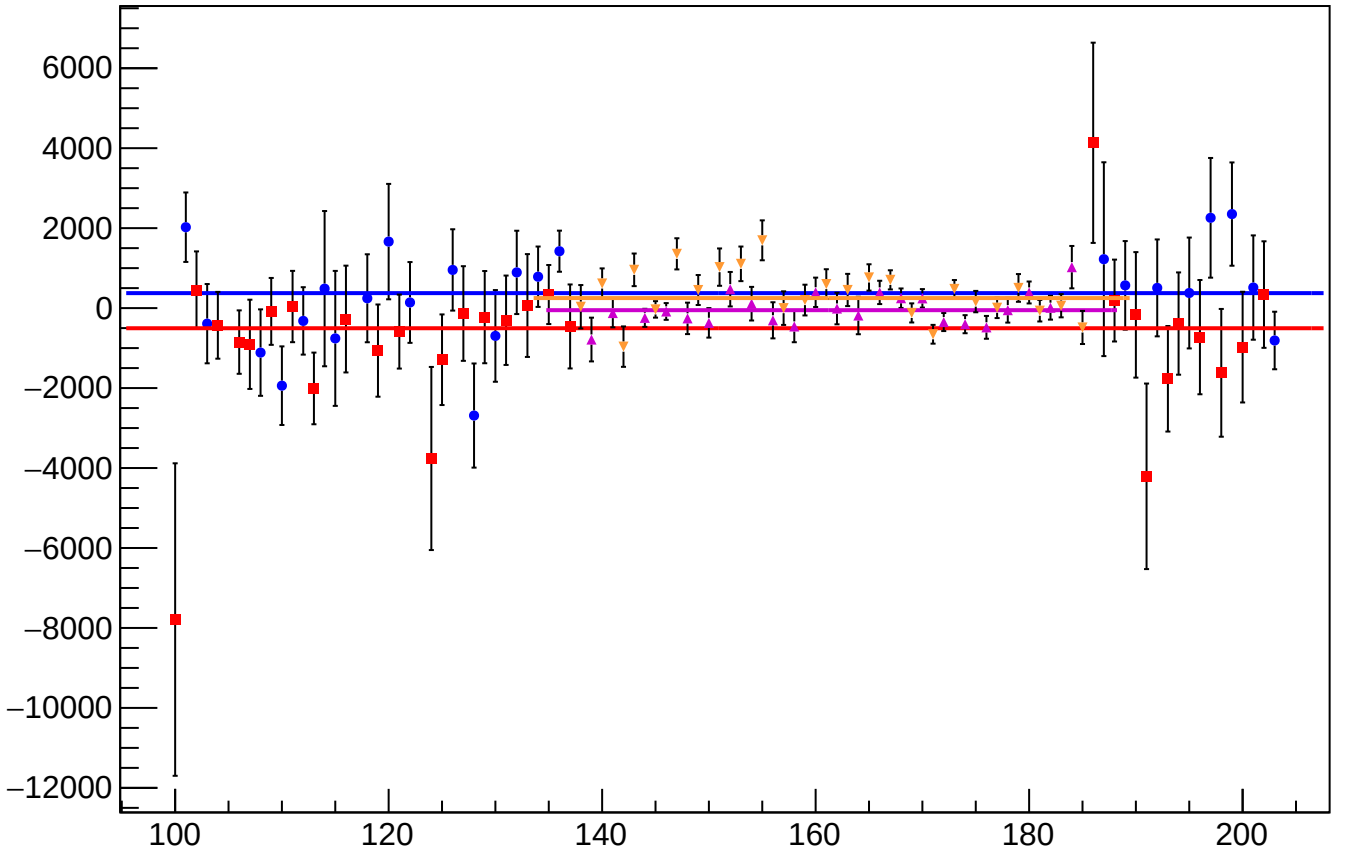
Left: 245.434+/-0.029 χ^2/NDF: 5419111.8/47

Right: 692.563+/-0.099 χ^2/NDF: 5981409.8/52

In: 279.780+/-0.040 χ^2/NDF:13971048.3/46

Out: 283.992+/-0.040 χ^2/NDF:16204864.6/53

All: 281.918+/-0.028 χ^2/NDF: 30181474.0/10



Right In: 374.687+/-208.209 χ^2/NDF: 31.9/23

Left Out: 251.109+/-63.424 χ^2/NDF:67.5/24

Right Out: -503.542+/-209.396 χ^2/NDF: 21.1/28

Left In: -51.707+/-63.843 χ^2/NDF:26.8/22

Left: 100.699+/-44.995 χ^2/NDF: 105.7/47

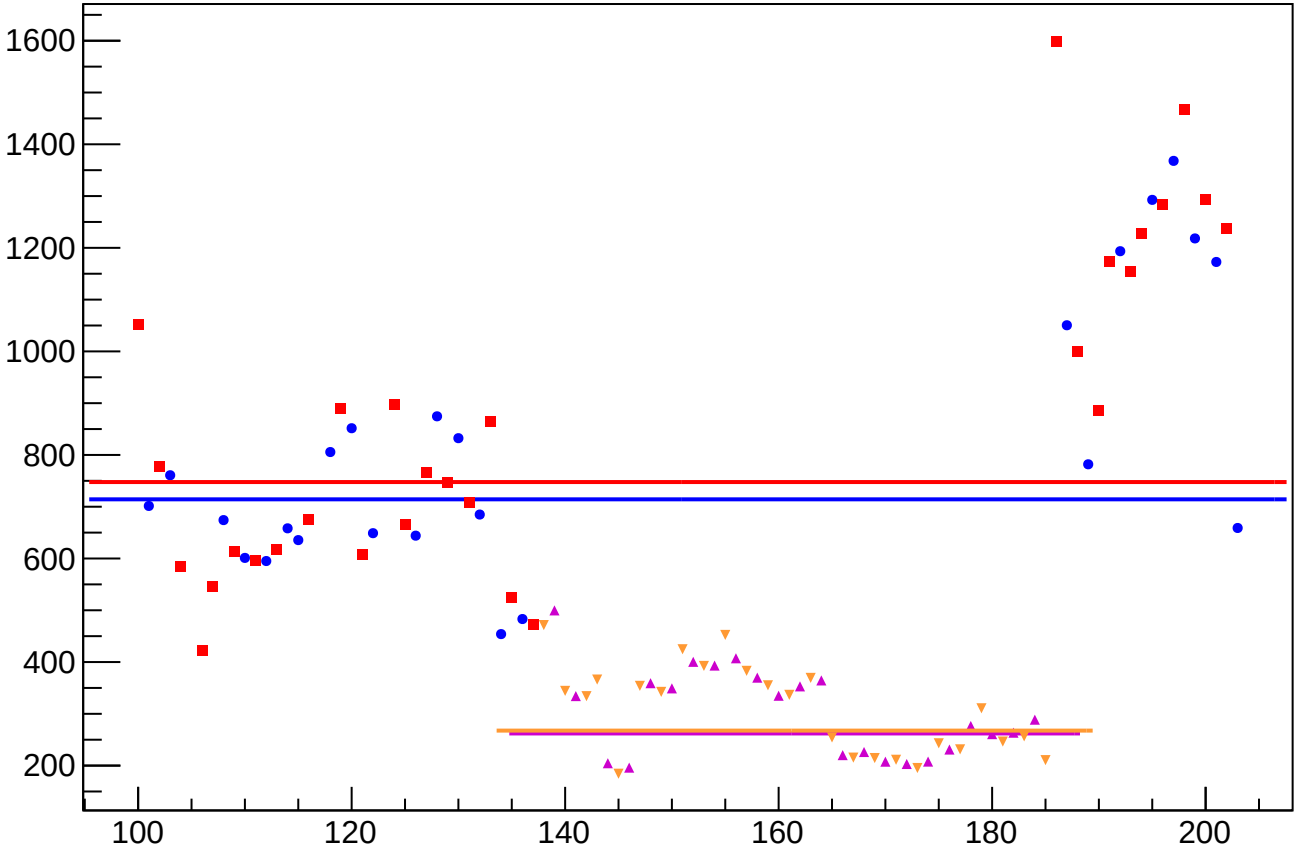
Right: -61.931+/-147.644 χ^2/NDF: 61.8/52

In: -15.062+/-61.038 χ^2/NDF:62.5/46

Out: 187.695+/-60.700 χ^2/NDF:100.6/53

All: 86.879+/-43.041 χ^2/NDF: 168.6/100

asym_sam_37_dd_rms vs Slug, Sign Corrected



Right In: 714.268+/-0.147 χ^2/NDF: 2476401.8/23

Left Out: 267.589+/-0.045 χ^2/NDF:2801460.2/24

Right Out: 747.651+/-0.148 χ^2/NDF: 3257956.3/28

Left In: 262.092+/-0.045 χ^2/NDF:2537465.8/22

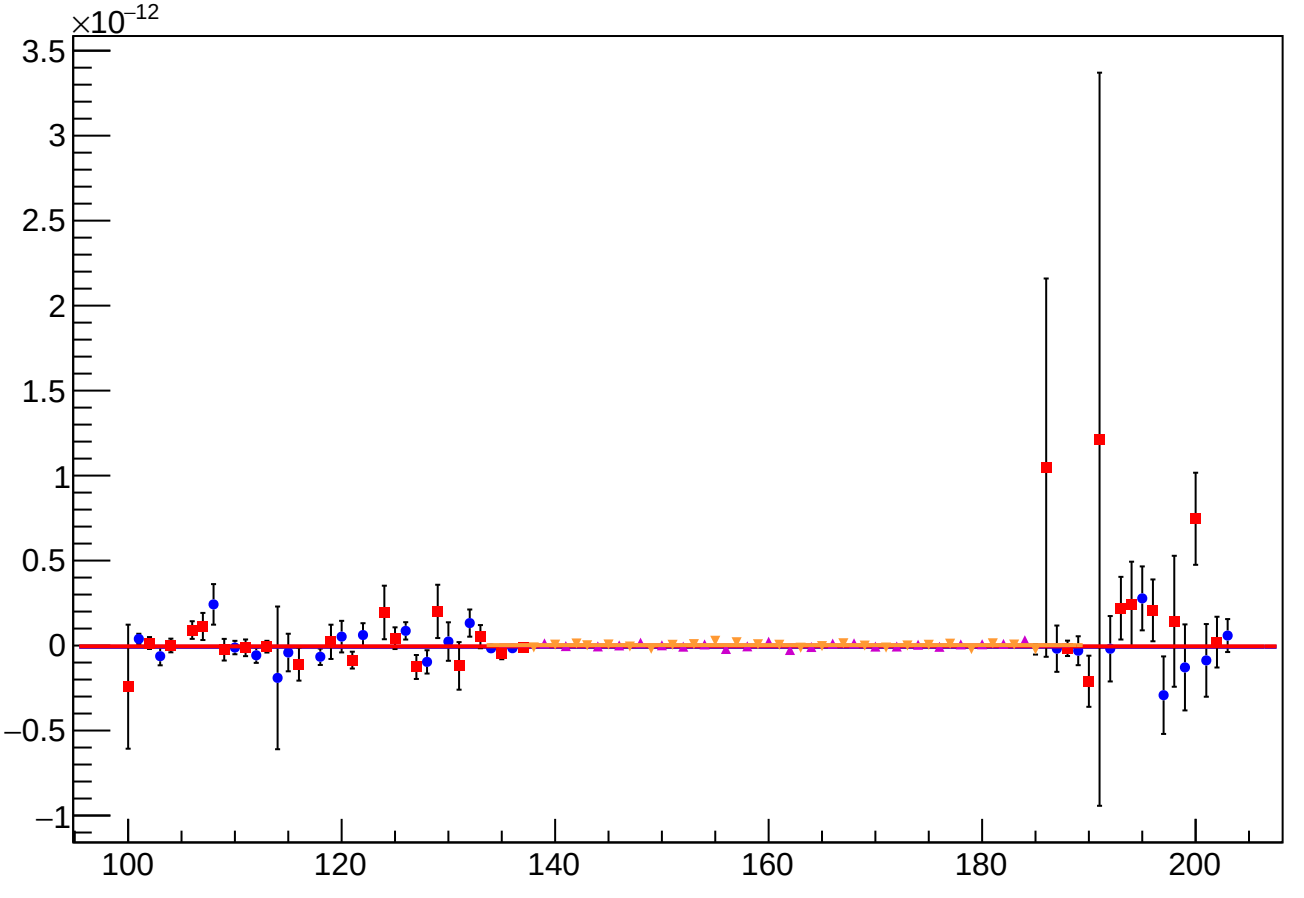
Left: 264.859+/-0.032 χ^2/NDF: 5346387.6/47

Right: 730.864+/-0.104 χ^2/NDF: 5759919.8/52

In: 300.953+/-0.043 χ^2/NDF:13636082.8/46

Out: 307.930+/-0.043 χ^2/NDF:15688126.7/53

All: 304.461+/-0.030 χ^2/NDF: 29337346.4/10



Right In: -0.000+/-0.000 χ^2/NDF: 25.7/23

Left Out: 0.000+/-0.000 χ^2/NDF:15.2/24

Right Out: -0.000+/-0.000 χ^2/NDF: 34.9/28

Left In: 0.000+/-0.000 χ^2/NDF:12.3/22

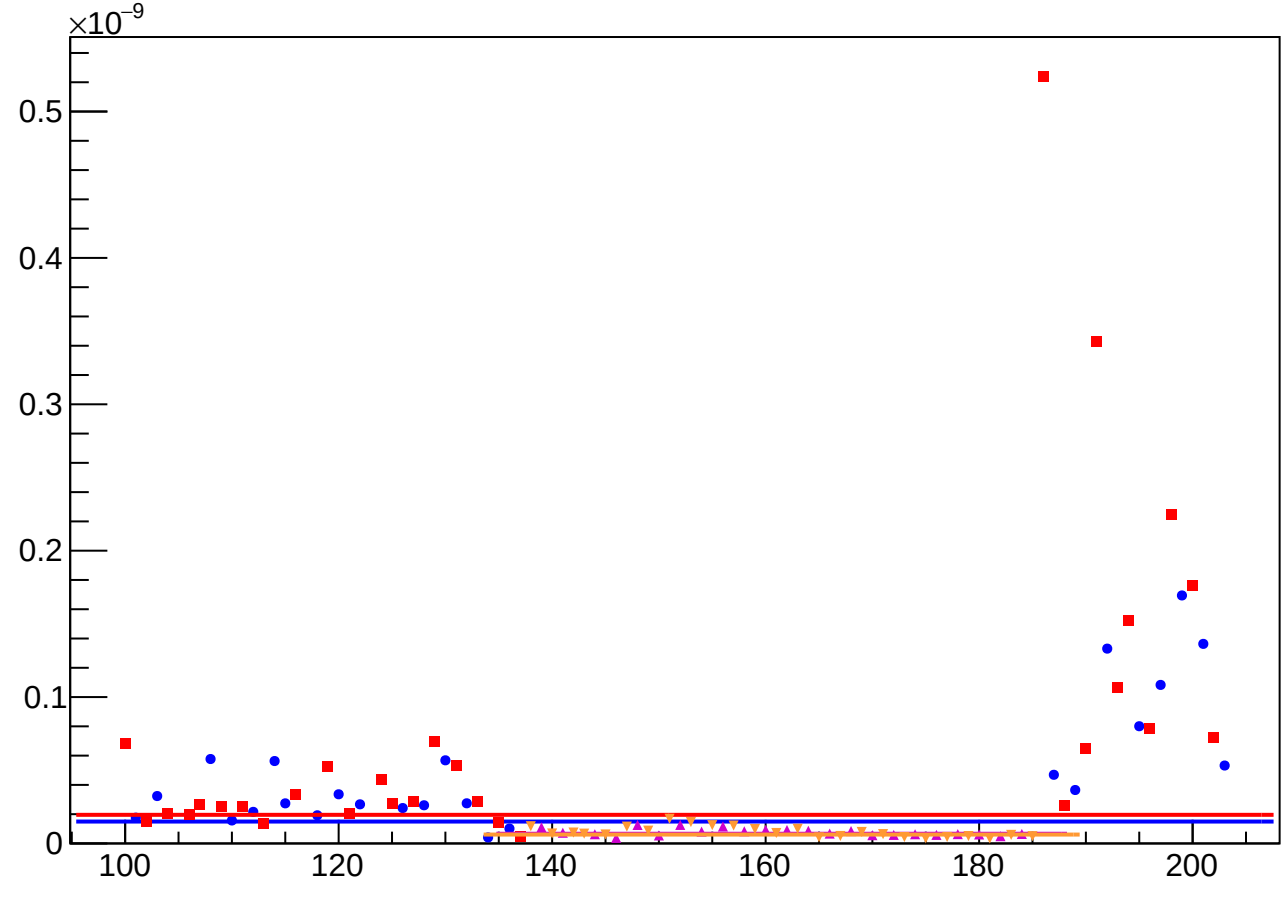
Left: 0.000+/-0.000 χ^2/NDF: 27.6/47

Right: -0.000+/-0.000 χ^2/NDF: 60.6/52

In: 0.000+/-0.000 χ^2/NDF:38.8/46

Out: 0.000+/-0.000 χ^2/NDF:50.4/53

All: 0.000+/-0.000 χ^2/NDF: 89.5/100



Right In: 0.000+/-0.000 χ^2/NDF: 5425427.1/23

Left Out: 0.000+/-0.000 χ^2/NDF:2413933.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 5122747.5/28

Left In: 0.000+/-0.000 χ^2/NDF:1176996.8/22

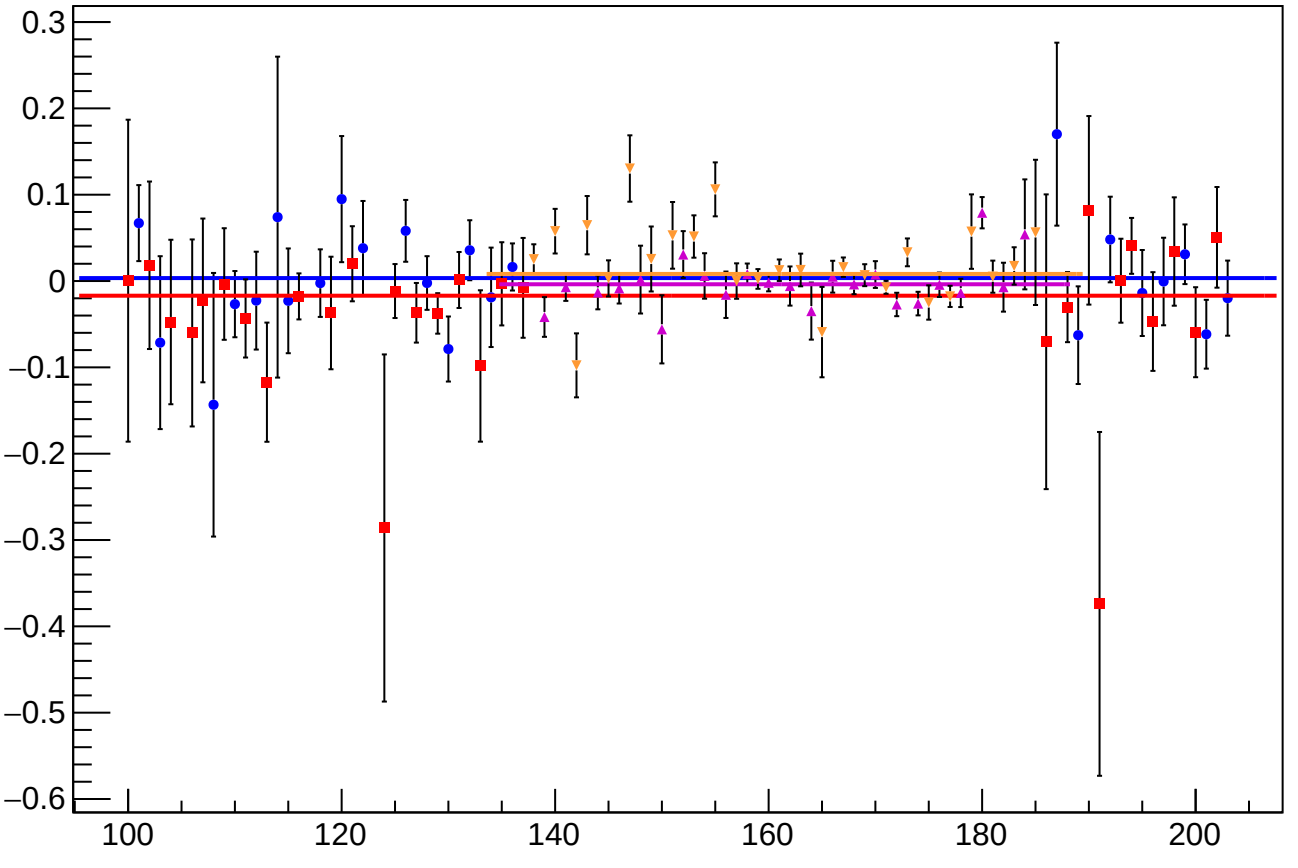
Left: 0.000+/-0.000 χ^2/NDF: 3636937.9/47

Right: 0.000+/-0.000 χ^2/NDF: 10752028.9/52

In: 0.000+/-0.000 χ^2/NDF:8113806.6/46

Out: 0.000+/-0.000 χ^2/NDF:10373110.1/53

All: 0.000+/-0.000 χ^2/NDF: 18539377.6/100



Right In: 0.003+/-0.009 χ^2/NDF: 23.5/23

Left Out: 0.008+/-0.003 χ^2/NDF:58.8/24

Right Out: -0.017+/-0.009 χ^2/NDF: 18.4/28

Left In: -0.004+/-0.004 χ^2/NDF:37.2/22

Left: 0.003+/-0.003 χ^2/NDF: 101.7/47

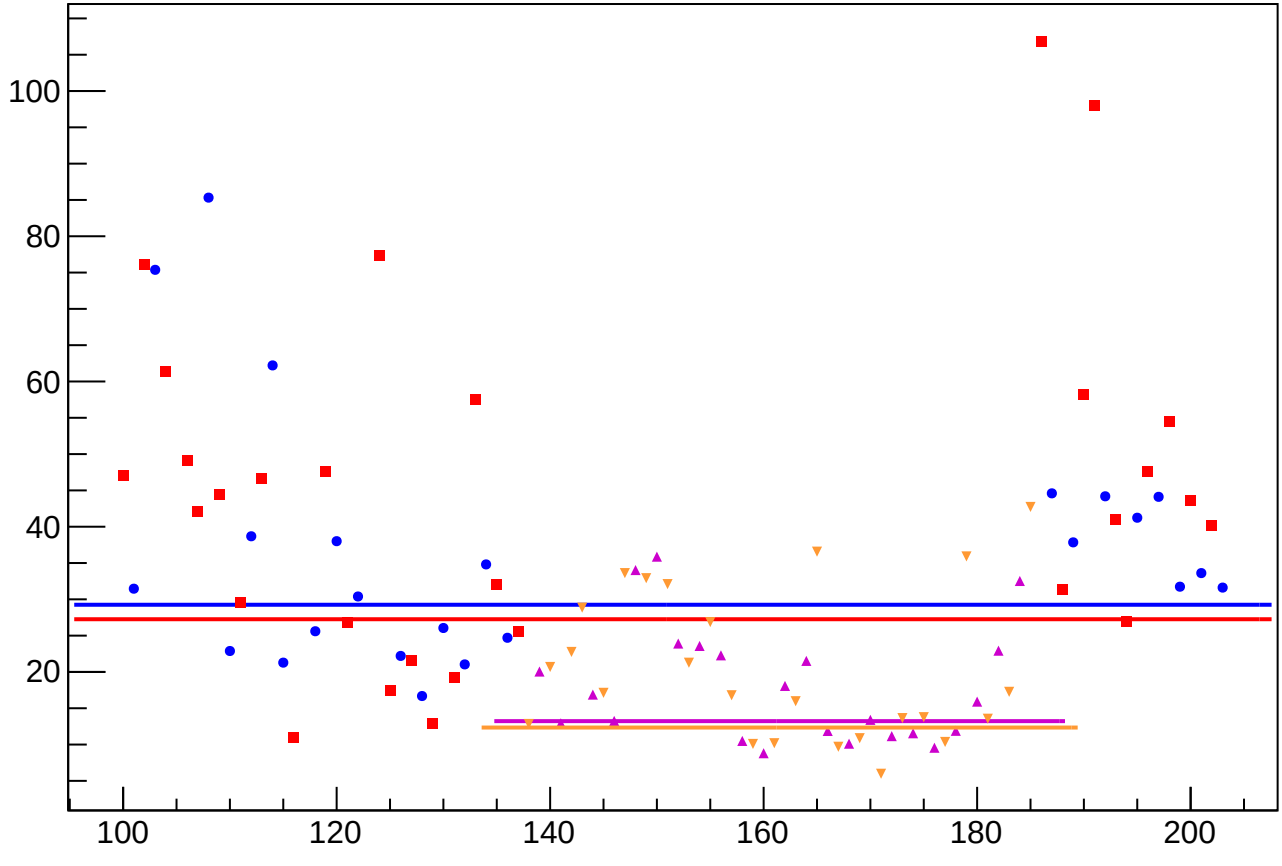
Right: -0.007+/-0.006 χ^2/NDF: 44.4/52

In: -0.003+/-0.003 χ^2/NDF:61.2/46

Out: 0.005+/-0.003 χ^2/NDF:84.1/53

All: 0.001+/-0.002 χ^2/NDF: 148.0/100

asym_sam_37_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 29.252+/-0.007 χ^2/NDF: 2156072.7/23

Left Out: 12.343+/-0.002 χ^2/NDF:6743594.0/24

Right Out: 27.259+/-0.006 χ^2/NDF: 5628348.7/28

Left In: 13.225+/-0.003 χ^2/NDF:3870352.4/22

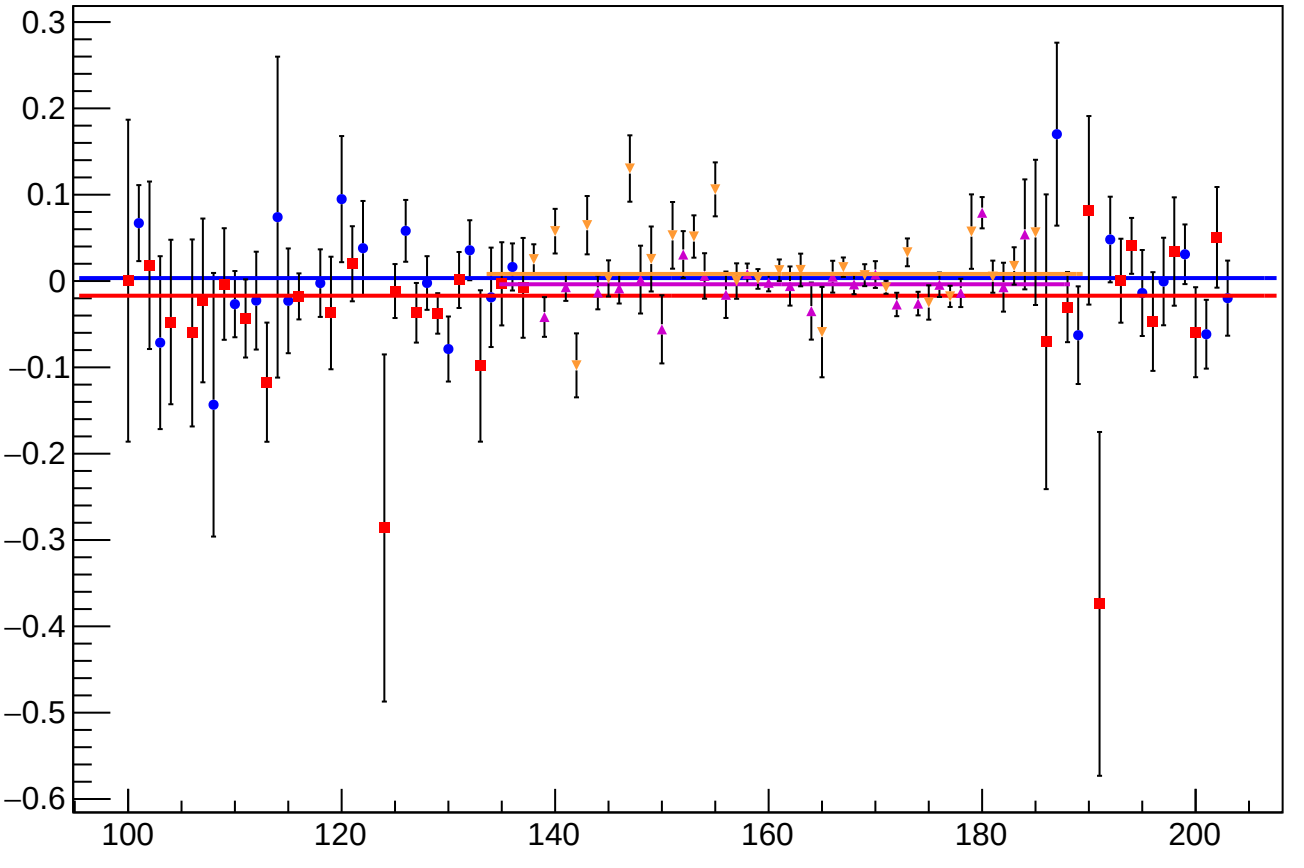
Left: 12.762+/-0.002 χ^2/NDF: 10675886.6/47

Right: 28.227+/-0.005 χ^2/NDF: 7832321.6/52

In: 15.372+/-0.002 χ^2/NDF:11237940.1/46

Out: 14.267+/-0.002 χ^2/NDF:17184104.6/53

All: 14.793+/-0.002 χ^2/NDF: 28533779.7/100



Right In: 0.003+/-0.009 χ^2/NDF: 23.5/23

Left Out: 0.008+/-0.003 χ^2/NDF:58.8/24

Right Out: -0.017+/-0.009 χ^2/NDF: 18.4/28

Left In: -0.004+/-0.004 χ^2/NDF:37.2/22

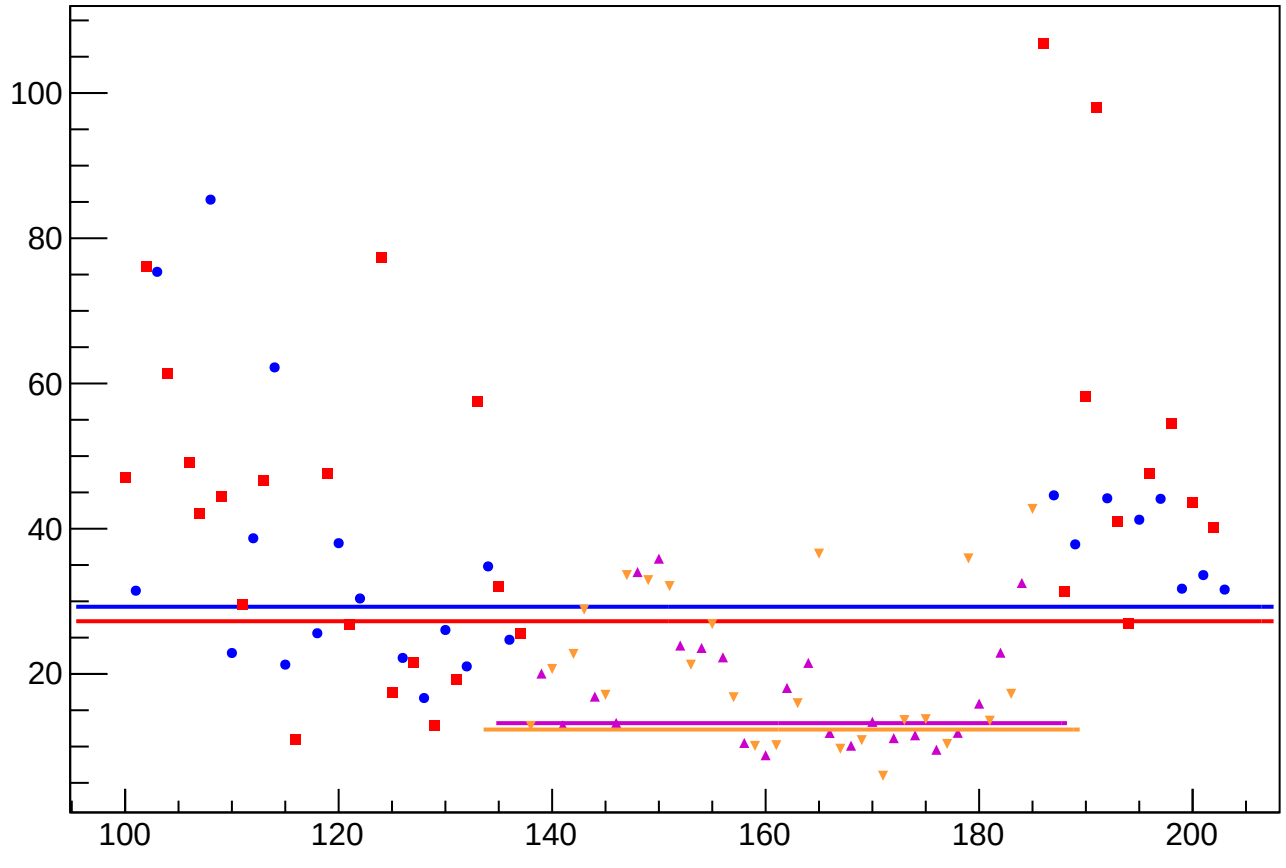
Left: 0.003+/-0.003 χ^2/NDF: 101.7/47

Right: -0.007+/-0.006 χ^2/NDF: 44.4/52

In: -0.003+/-0.003 χ^2/NDF:61.2/46

Out: 0.005+/-0.003 χ^2/NDF:84.1/53

All: 0.001+/-0.002 χ^2/NDF: 148.0/100



Right In: 29.252+/-0.007 χ^2/NDF: 2156072.7/23

Left Out: 12.343+/-0.002 χ^2/NDF:6743594.0/24

Right Out: 27.259+/-0.006 χ^2/NDF: 5628348.7/28

Left In: 13.225+/-0.003 χ^2/NDF:3870352.4/22

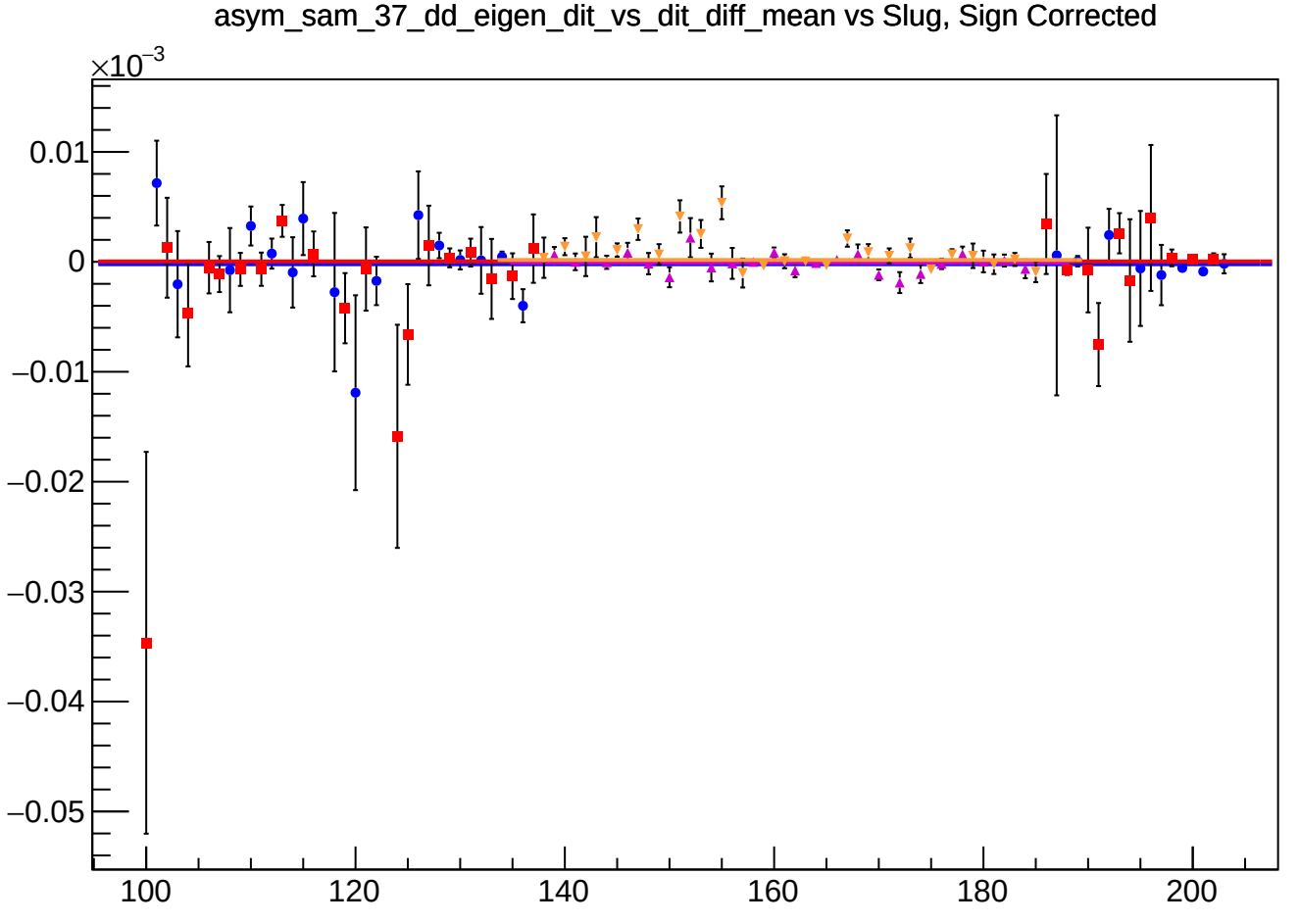
Left: 12.762+/-0.002 χ^2/NDF: 10675886.6/47

Right: 28.227+/-0.005 χ^2/NDF: 7832321.6/52

In: 15.372+/-0.002 χ^2/NDF:11237940.1/46

Out: 14.267+/-0.002 χ^2/NDF:17184104.6/53

All: 14.793+/-0.002 χ^2/NDF: 28533779.7/100



Right In: -0.000+/-0.000 χ^2/NDF: 29.5/23

Left Out: 0.000+/-0.000 χ^2/NDF:61.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 30.8/28

Left In: -0.000+/-0.000 χ^2/NDF:24.5/22

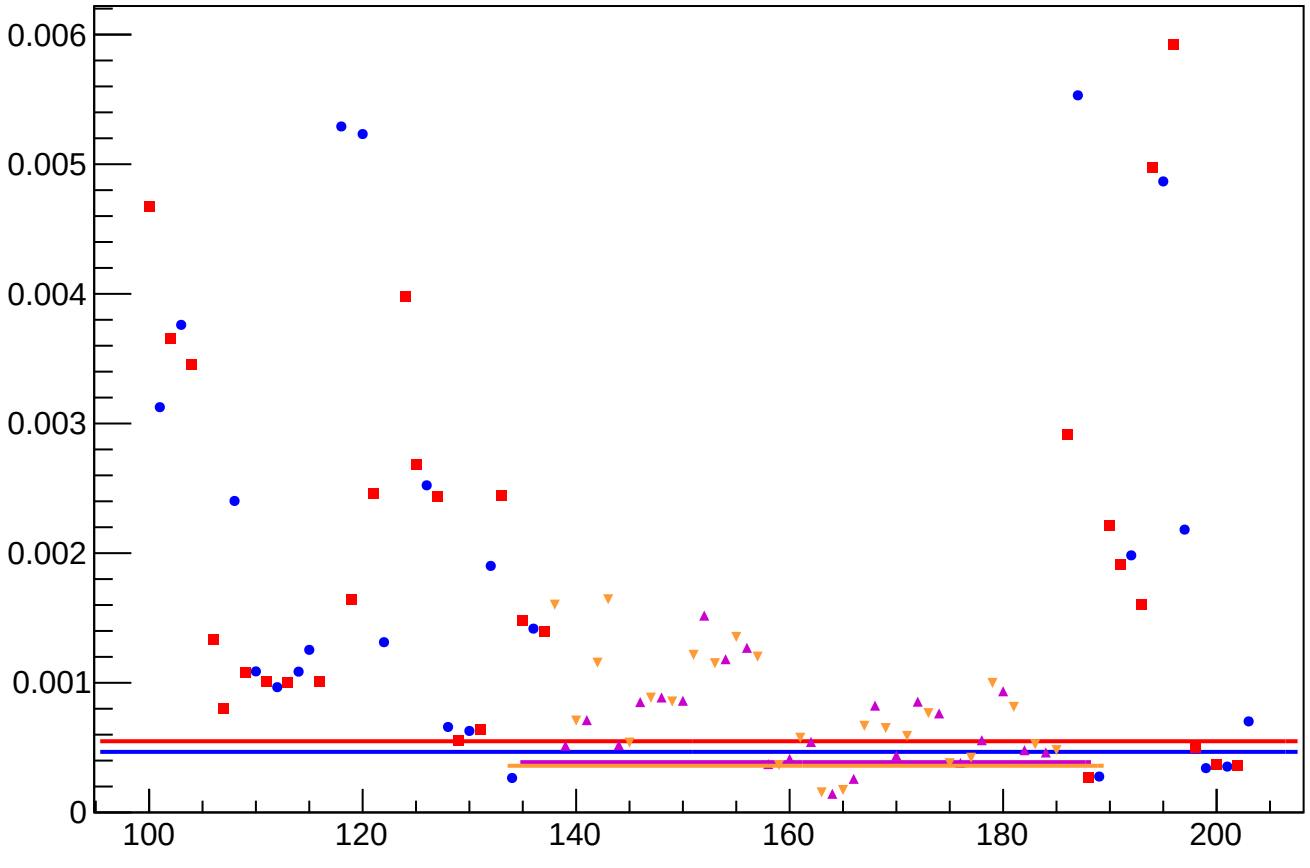
Left: 0.000+/-0.000 χ^2/NDF: 88.8/47

Right: -0.000+/-0.000 χ^2/NDF: 61.1/52

In: -0.000+/-0.000 χ^2/NDF:54.3/46

Out: 0.000+/-0.000 χ^2/NDF:92.6/53

All: 0.000+/-0.000 χ^2/NDF: 150.8/100



Right In: 0.000+/-0.000 χ^2/NDF: 11314346.6/23

Left Out: 0.000+/-0.000 χ^2/NDF:14019628.7/24

Right Out: 0.001+/-0.000 χ^2/NDF: 11647163.4/28

Left In: 0.000+/-0.000 χ^2/NDF:10459340.6/22

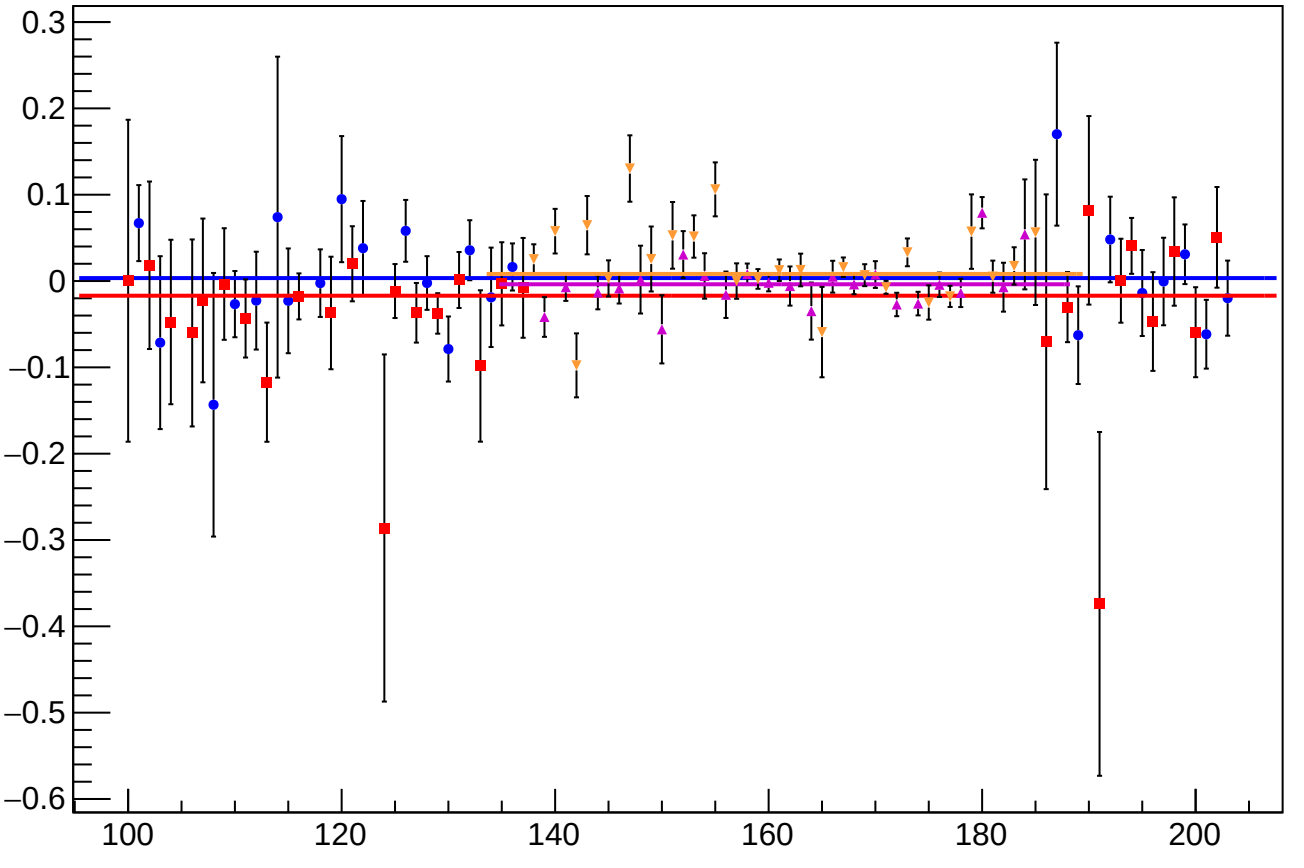
Left: 0.000+/-0.000 χ^2/NDF: 24545127.9/47

Right: 0.001+/-0.000 χ^2/NDF: 23129368.5/52

In: 0.000+/-0.000 χ^2/NDF:22038978.2/46

Out: 0.000+/-0.000 χ^2/NDF:26938184.4/53

All: 0.000+/-0.000 χ^2/NDF: 48993310.3/100



Right In: 0.003+/-0.009 χ^2/NDF: 23.5/23

Left Out: 0.008+/-0.003 χ^2/NDF:58.8/24

Right Out: -0.017+/-0.009 χ^2/NDF: 18.4/28

Left In: -0.004+/-0.004 χ^2/NDF:37.2/22

Left: 0.003+/-0.003 χ^2/NDF: 101.7/47

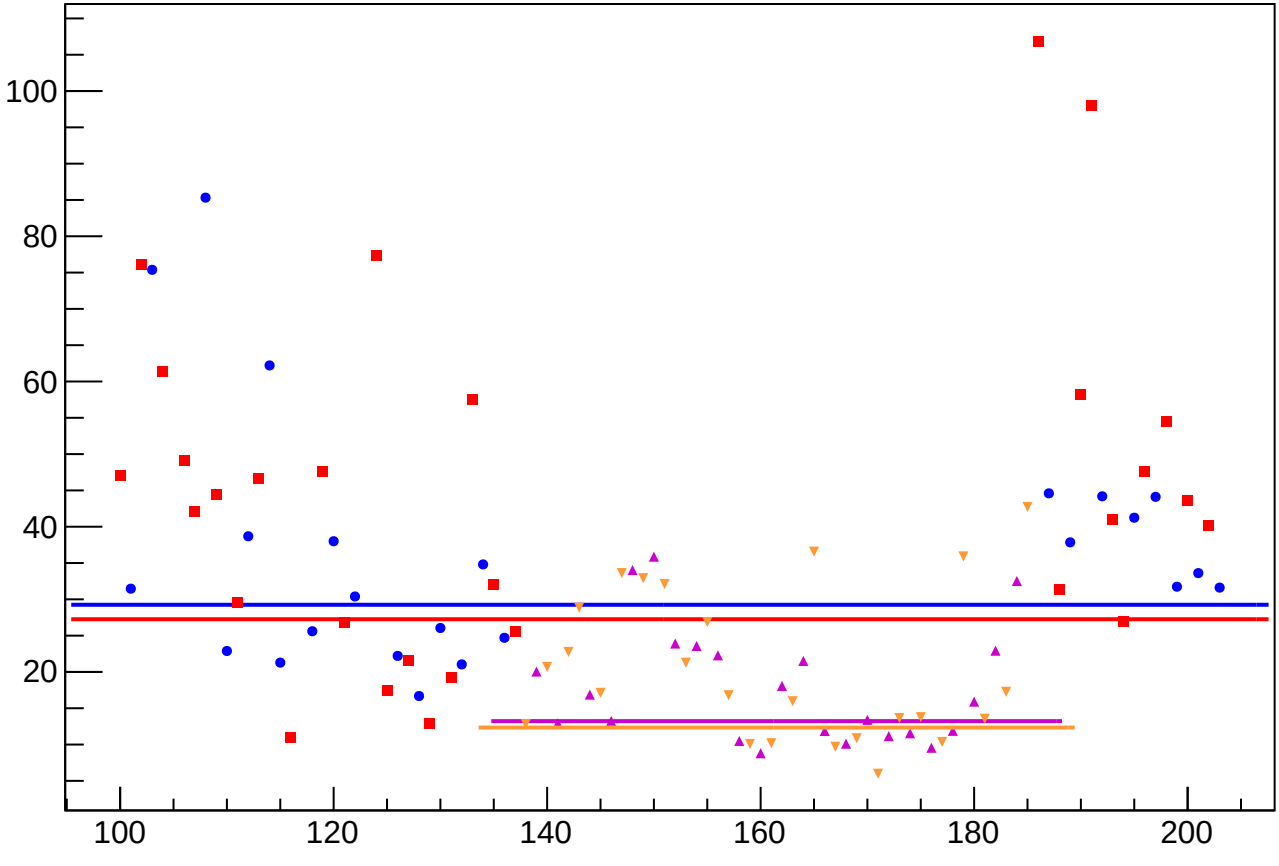
Right: -0.007+/-0.006 χ^2/NDF: 44.4/52

In: -0.003+/-0.003 χ^2/NDF:61.2/46

Out: 0.005+/-0.003 χ^2/NDF:84.1/53

All: 0.001+/-0.002 χ^2/NDF: 148.0/100

asym_sam_37_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 29.253+/-0.007 χ^2/NDF: 2155996.5/23

Left Out: 12.343+/-0.002 χ^2/NDF:6743823.4/24

Right Out: 27.260+/-0.006 χ^2/NDF: 5628028.1/28

Left In: 13.225+/-0.003 χ^2/NDF:3870507.9/22

Left: 12.762+/-0.002 χ^2/NDF: 10676265.0/47

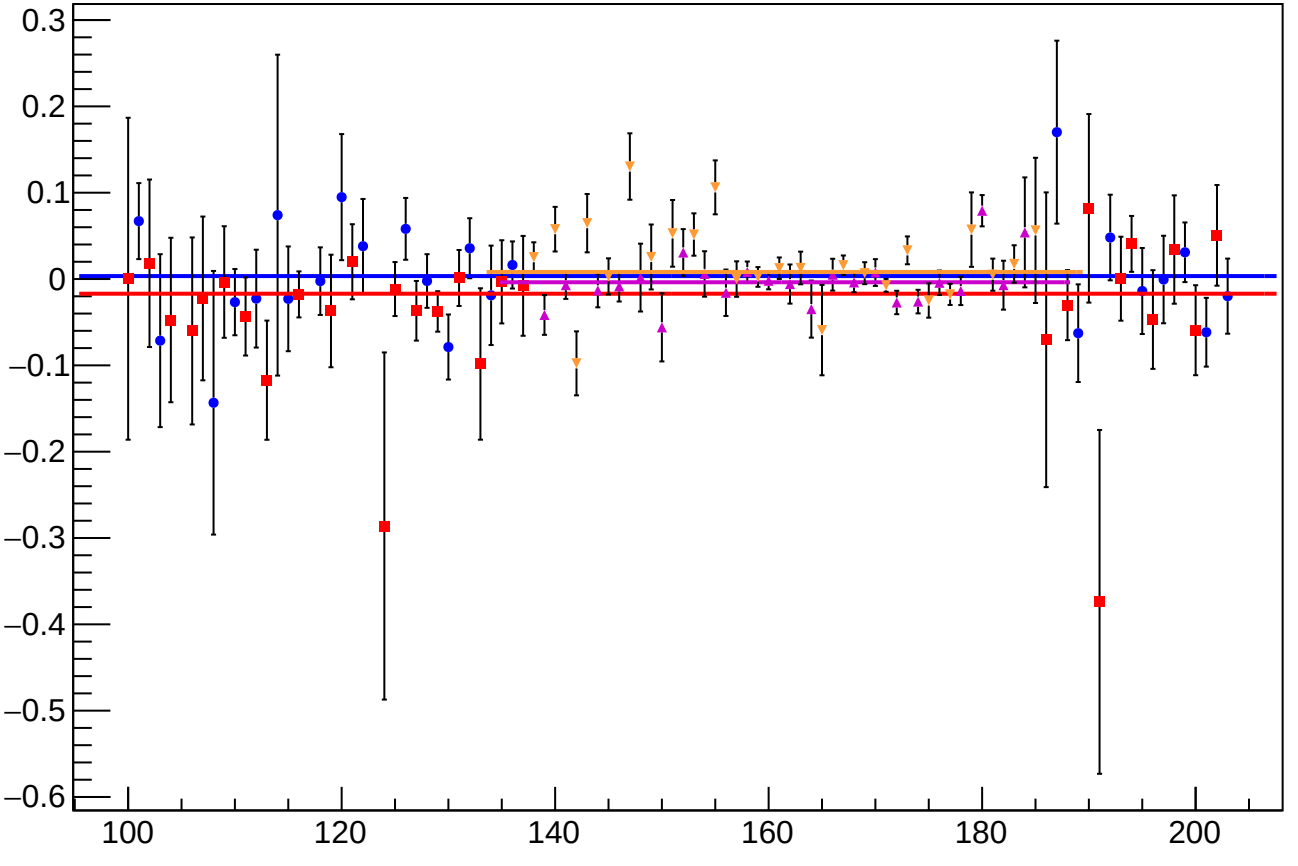
Right: 28.227+/-0.005 χ^2/NDF: 7831911.2/52

In: 15.372+/-0.002 χ^2/NDF:11238118.5/46

Out: 14.267+/-0.002 χ^2/NDF:17184210.1/53

All: 14.793+/-0.002 χ^2/NDF: 28534050.3/100

asym_sam_37_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.003+/-0.009 χ^2/NDF: 23.5/23

Left Out: 0.008+/-0.003 χ^2/NDF:58.8/24

Right Out: -0.017+/-0.009 χ^2/NDF: 18.4/28

Left In: -0.004+/-0.004 χ^2/NDF:37.2/22

Left: 0.003+/-0.003 χ^2/NDF: 101.7/47

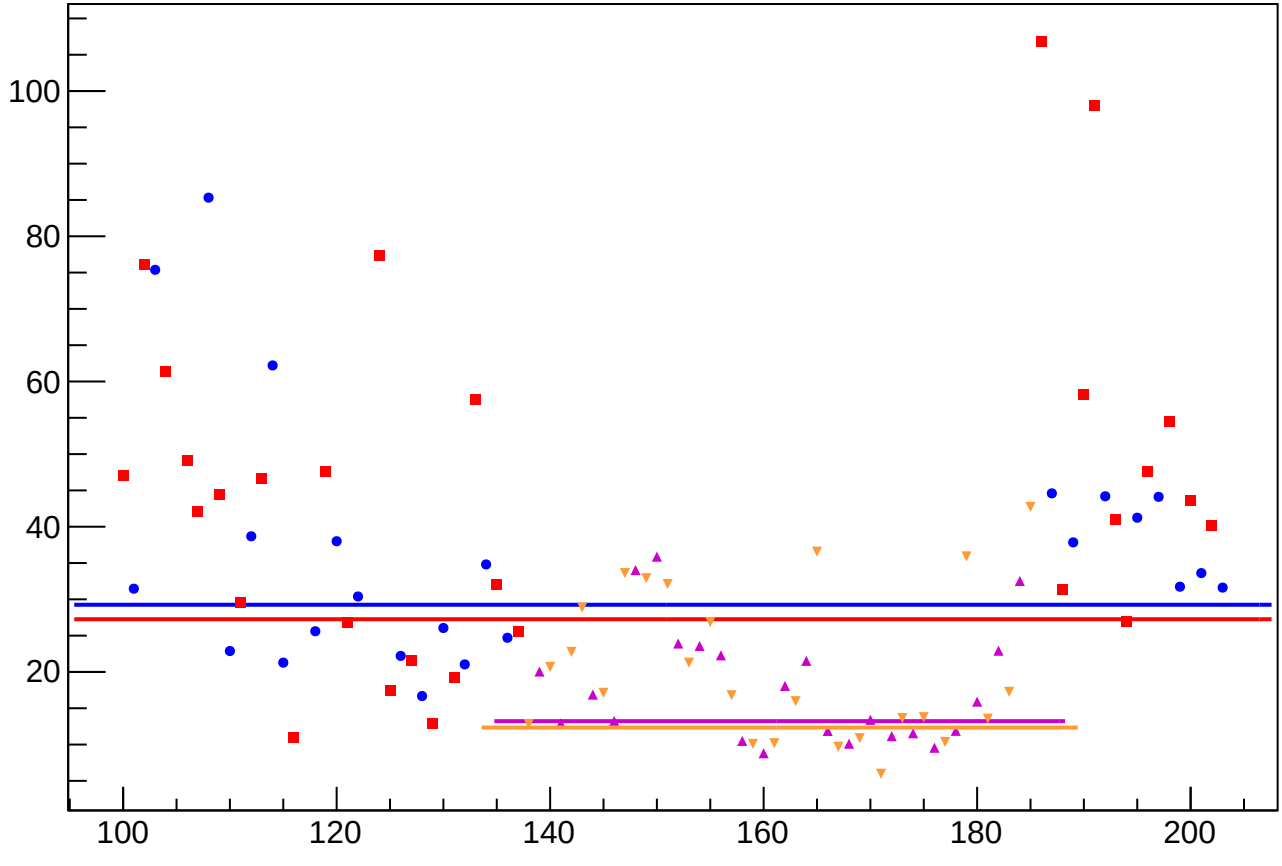
Right: -0.007+/-0.006 χ^2/NDF: 44.4/52

In: -0.003+/-0.003 χ^2/NDF:61.2/46

Out: 0.005+/-0.003 χ^2/NDF:84.1/53

All: 0.001+/-0.002 χ^2/NDF: 148.0/100

asym_sam_37_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 29.253+/-0.007 χ^2/NDF: 2155996.5/23

Left Out: 12.343+/-0.002 χ^2/NDF:6743823.4/24

Right Out: 27.260+/-0.006 χ^2/NDF: 5628028.1/28

Left In: 13.225+/-0.003 χ^2/NDF:3870507.9/22

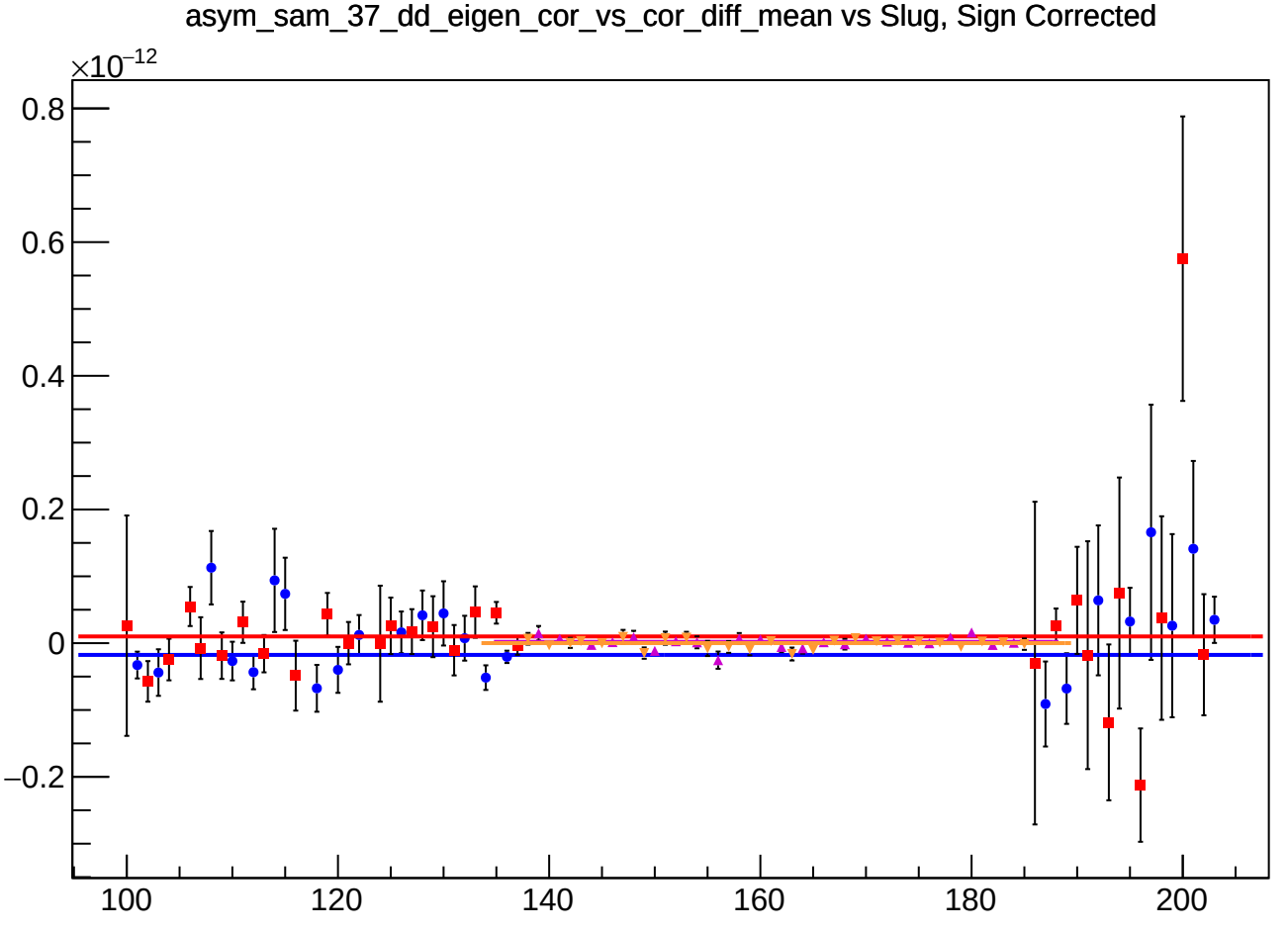
Left: 12.762+/-0.002 χ^2/NDF: 10676265.0/47

Right: 28.227+/-0.005 χ^2/NDF: 7831911.2/52

In: 15.372+/-0.002 χ^2/NDF:11238118.5/46

Out: 14.267+/-0.002 χ^2/NDF:17184210.1/53

All: 14.793+/-0.002 χ^2/NDF: 28534050.3/100



Right In: -0.000+/-0.000 χ^2/NDF: 34.3/23

Left Out: 0.000+/-0.000 χ^2/NDF:21.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 36.7/28

Left In: 0.000+/-0.000 χ^2/NDF:25.4/22

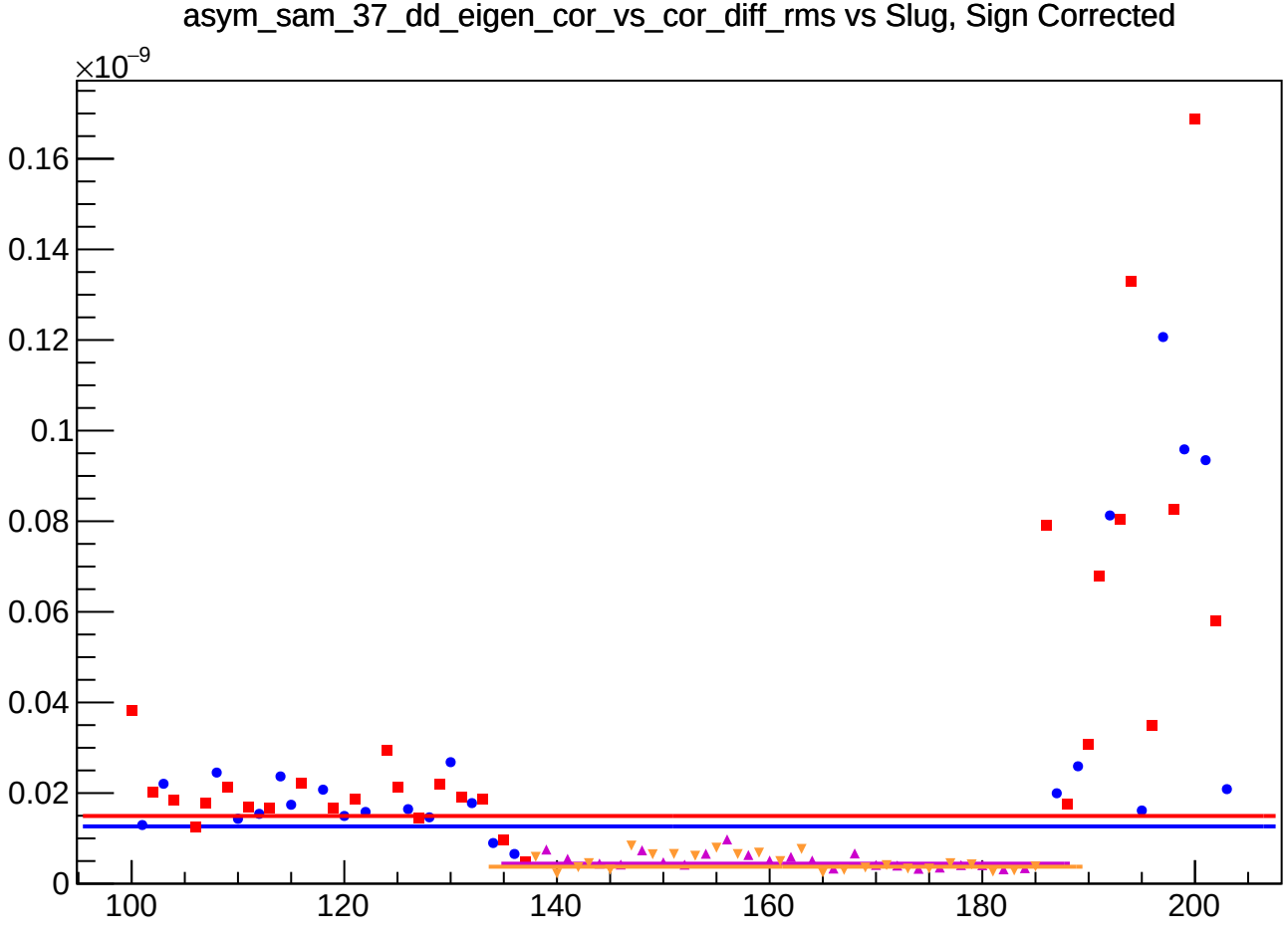
Left: 0.000+/-0.000 χ^2/NDF: 48.0/47

Right: -0.000+/-0.000 χ^2/NDF: 81.0/52

In: 0.000+/-0.000 χ^2/NDF:70.4/46

Out: 0.000+/-0.000 χ^2/NDF:60.5/53

All: 0.000+/-0.000 χ^2/NDF: 130.9/100



Right In: 0.000+/-0.000 χ^2/NDF: 4832951.3/23

Left Out: 0.000+/-0.000 χ^2/NDF:3083424.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 5772636.6/28

Left In: 0.000+/-0.000 χ^2/NDF:1736522.0/22

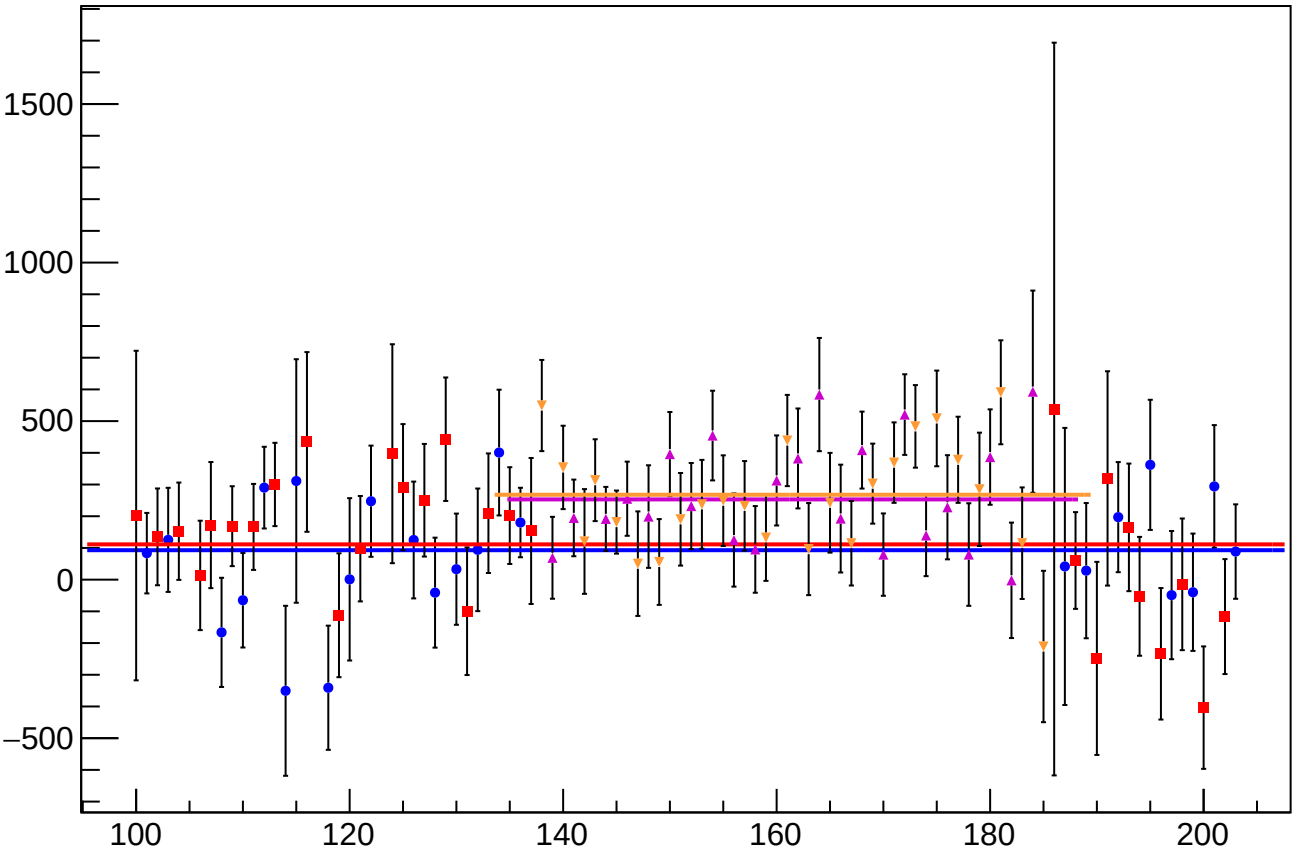
Left: 0.000+/-0.000 χ^2/NDF: 5111609.7/47

Right: 0.000+/-0.000 χ^2/NDF: 10744523.4/52

In: 0.000+/-0.000 χ^2/NDF:10379252.8/46

Out: 0.000+/-0.000 χ^2/NDF:14669521.8/53

All: 0.000+/-0.000 χ^2/NDF: 25402391.7/100



Right In: 92.863+/-35.969 χ^2/NDF: 22.7/23

Left Out: 267.782+/-28.407 χ^2/NDF:31.0/24

Right Out: 111.285+/-34.823 χ^2/NDF: 27.1/28

Left In: 253.048+/-29.313 χ^2/NDF:26.2/22

Left: 260.646+/-20.400 χ^2/NDF: 57.3/47

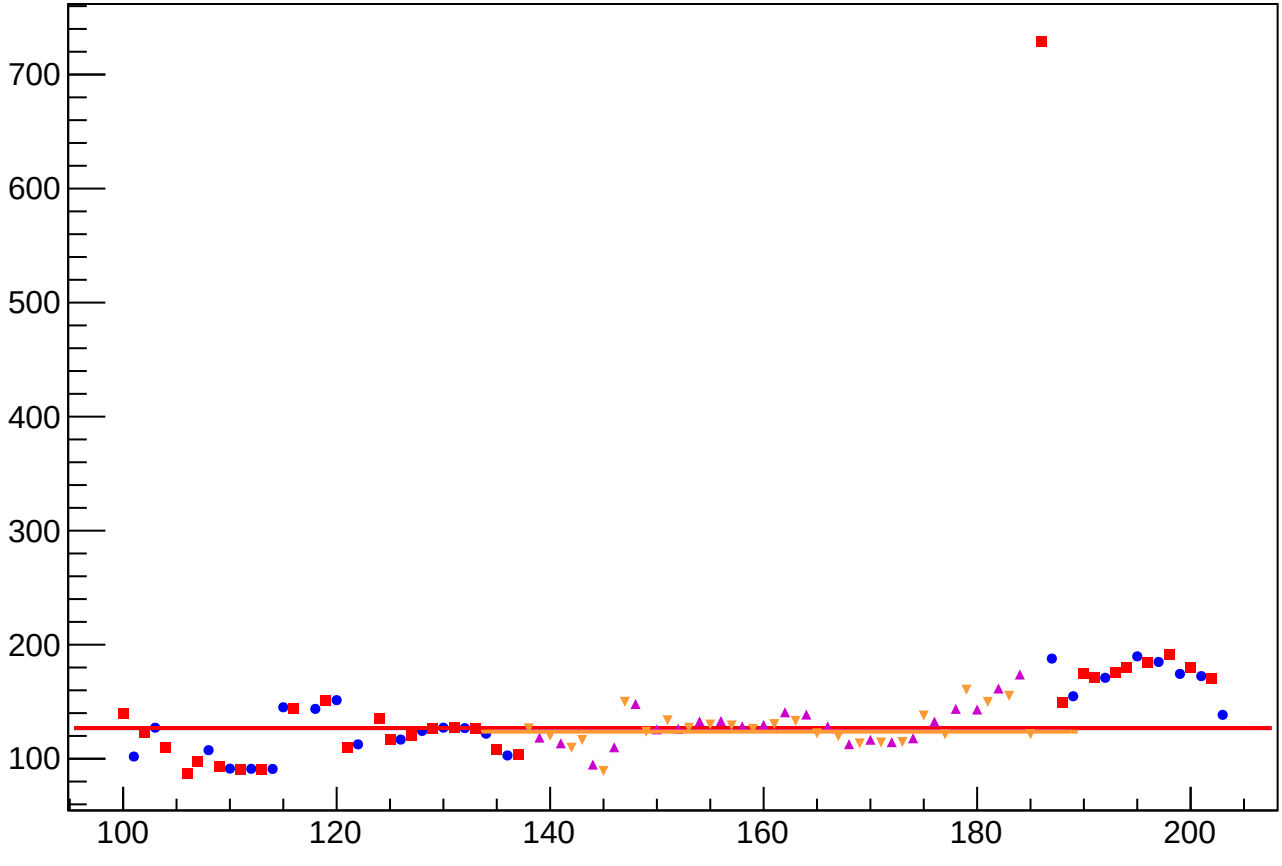
Right: 102.372+/-25.019 χ^2/NDF: 49.9/52

In: 189.119+/-22.723 χ^2/NDF:60.8/46

Out: 205.251+/-22.012 χ^2/NDF:70.2/53

All: 197.441+/-15.810 χ^2/NDF: 131.3/100

reg_asym_sam_48_dd_rms vs Slug, Sign Corrected



Right In: 126.850+/-0.025 χ^2/NDF: 1369742.4/23

Left Out: 123.807+/-0.020 χ^2/NDF:598444.2/24

Right Out: 126.917+/-0.025 χ^2/NDF: 2304455.9/28

Left In: 124.259+/-0.021 χ^2/NDF:557214.9/22

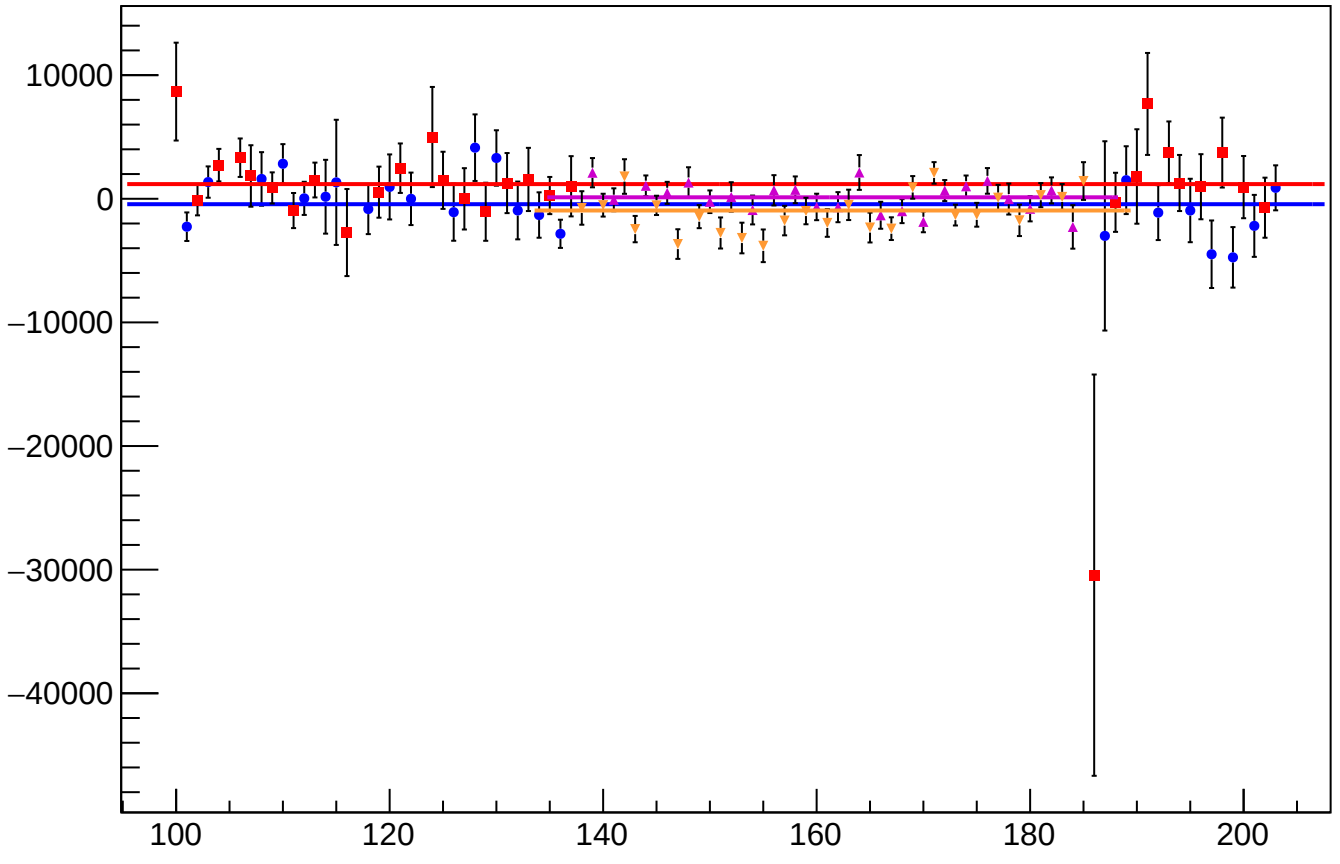
Left: 124.026+/-0.014 χ^2/NDF: 1155903.7/47

Right: 126.885+/-0.018 χ^2/NDF: 3674201.9/52

In: 125.293+/-0.016 χ^2/NDF:1933195.6/46

Out: 125.050+/-0.016 χ^2/NDF:2912476.6/53

All: 125.168+/-0.011 χ^2/NDF: 4845790.3/100



Right In: -439.092+/-397.133 χ^2/NDF: 27.7/23

Left Out: -947.720+/-211.794 χ^2/NDF:50.3/24

Right Out: 1187.016+/-382.190 χ^2/NDF: 23.8/28

Left In: 118.433+/-217.165 χ^2/NDF:24.4/22

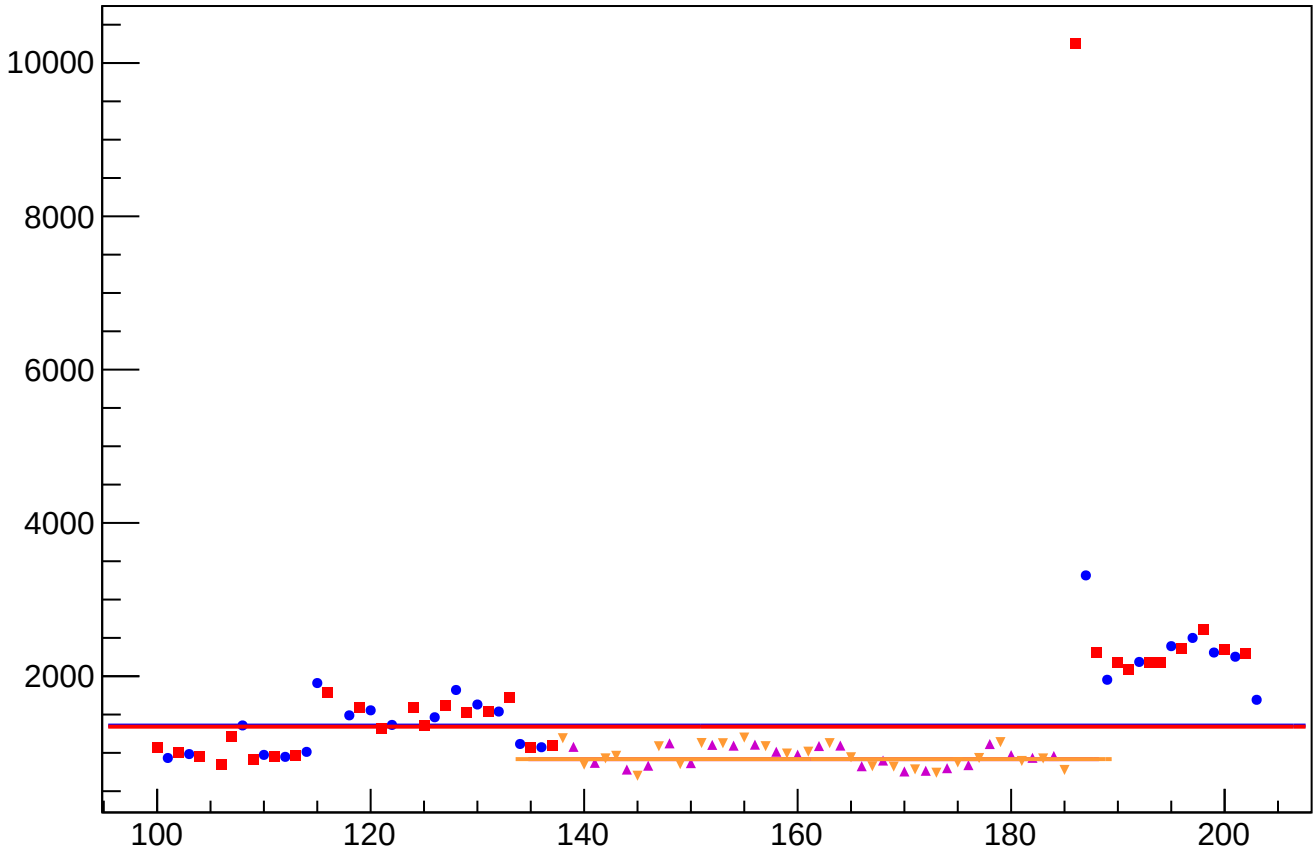
Left: -427.993+/-151.624 χ^2/NDF: 87.0/47

Right: 405.130+/-275.380 χ^2/NDF: 60.2/52

In: -9.906+/-190.538 χ^2/NDF:53.7/46

Out: -446.180+/-185.251 χ^2/NDF:97.9/53

All: -234.180+/-132.822 χ^2/NDF: 154.3/100



Right In: 1355.874+/-0.281 χ^2/NDF: 2886451.7/23

Left Out: 918.501+/-0.150 χ^2/NDF:887820.0/24

Right Out: 1341.810+/-0.270 χ^2/NDF: 4249448.0/28

Left In: 918.214+/-0.154 χ^2/NDF:666262.3/22

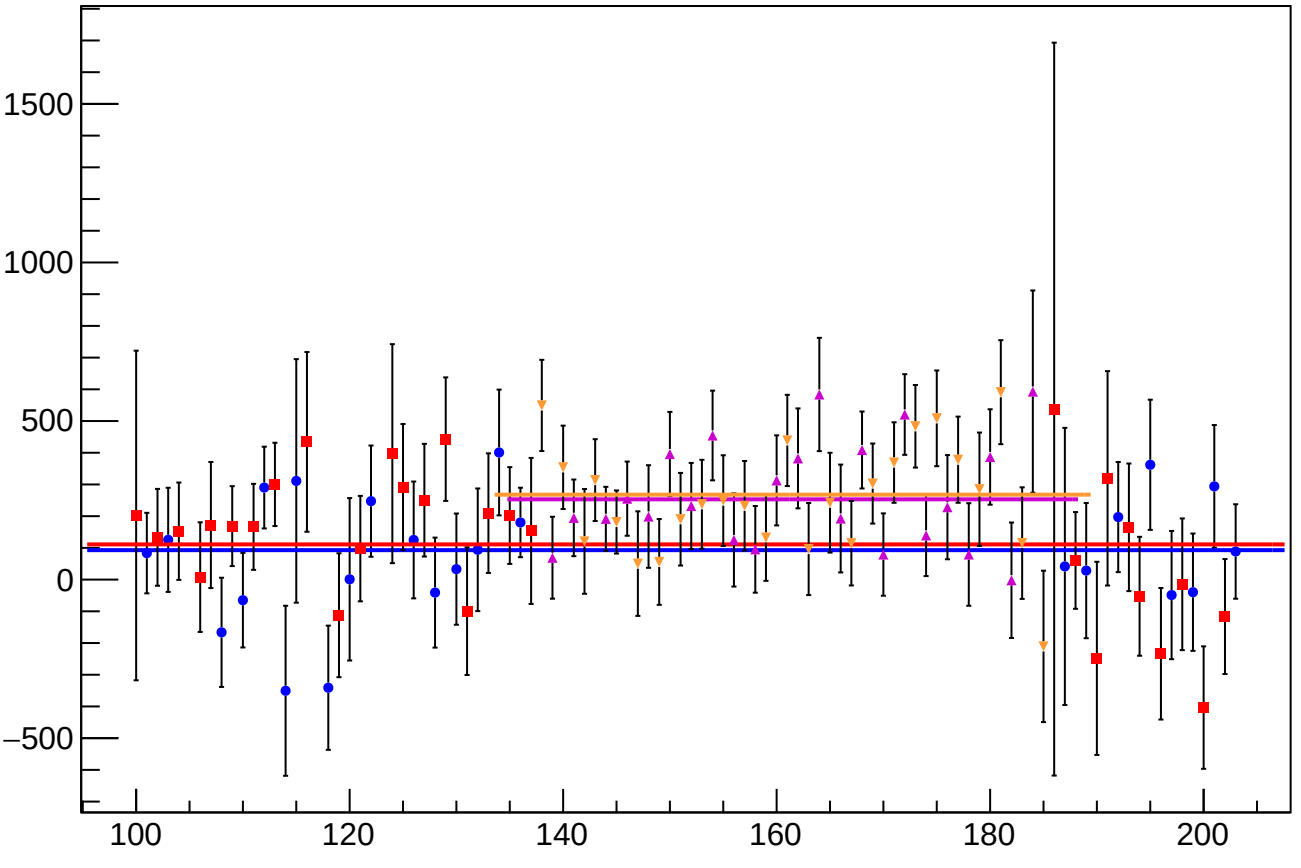
Left: 918.361+/-0.107 χ^2/NDF: 1554084.1/47

Right: 1348.572+/-0.195 χ^2/NDF: 7137201.7/52

In: 1018.960+/-0.135 χ^2/NDF:5422592.7/46

Out: 1017.954+/-0.131 χ^2/NDF:7014337.1/53

All: 1018.443+/-0.094 χ^2/NDF: 12436958.4/1



Right In: 92.854+/-35.969 χ^2/NDF: 22.7/23

Left Out: 267.791+/-28.407 χ^2/NDF:31.0/24

Right Out: 110.988+/-34.827 χ^2/NDF: 27.1/28

Left In: 253.051+/-29.313 χ^2/NDF:26.2/22

Left: 260.652+/-20.400 χ^2/NDF: 57.3/47

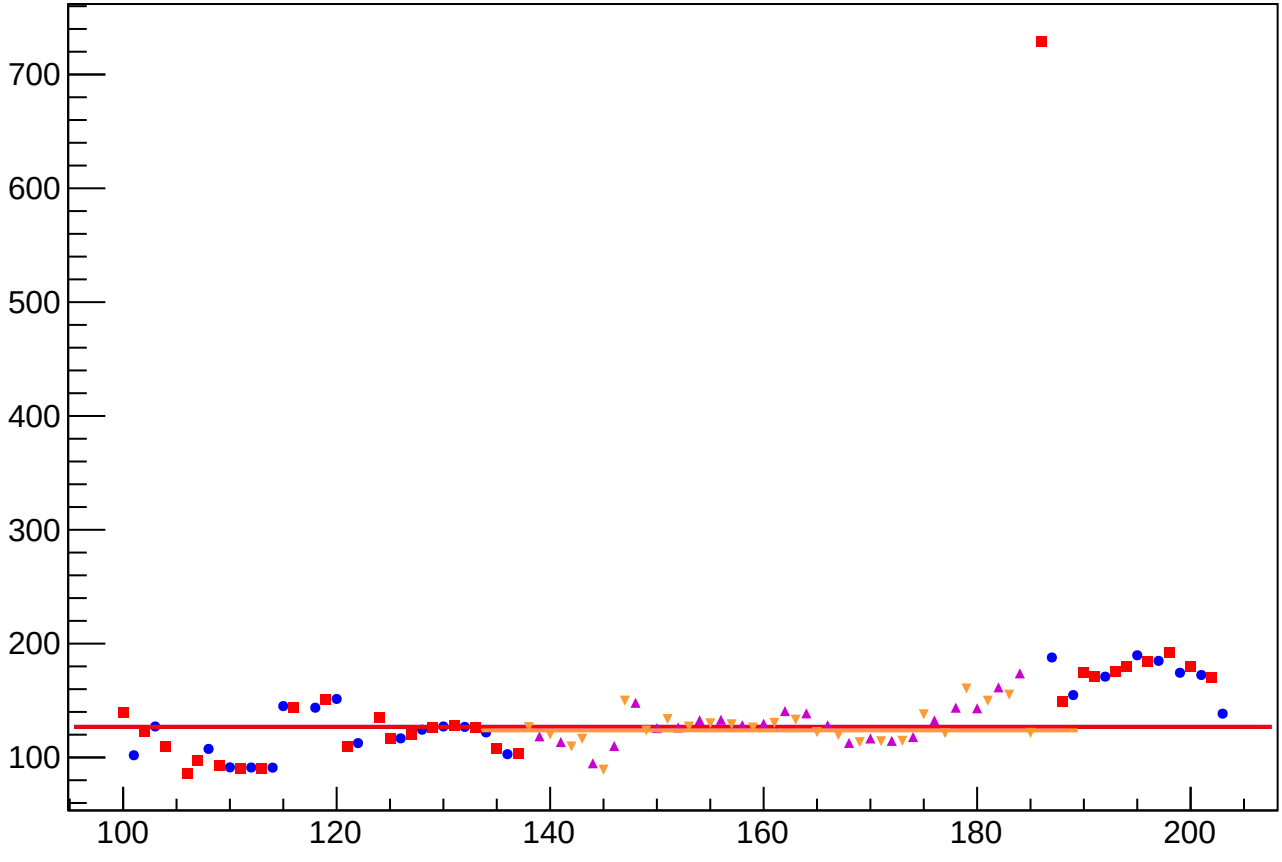
Right: 102.214+/-25.020 χ^2/NDF: 49.9/52

In: 189.118+/-22.723 χ^2/NDF:60.8/46

Out: 205.145+/-22.013 χ^2/NDF:70.3/53

All: 197.386+/-15.811 χ^2/NDF: 131.3/100

cor_asym_sam_48_dd_rms vs Slug, Sign Corrected



Right In: 126.850+/-0.025 χ^2/NDF: 1369742.5/23

Left Out: 123.807+/-0.020 χ^2/NDF:598444.2/24

Right Out: 126.879+/-0.025 χ^2/NDF: 2310232.7/28

Left In: 124.259+/-0.021 χ^2/NDF:557214.9/22

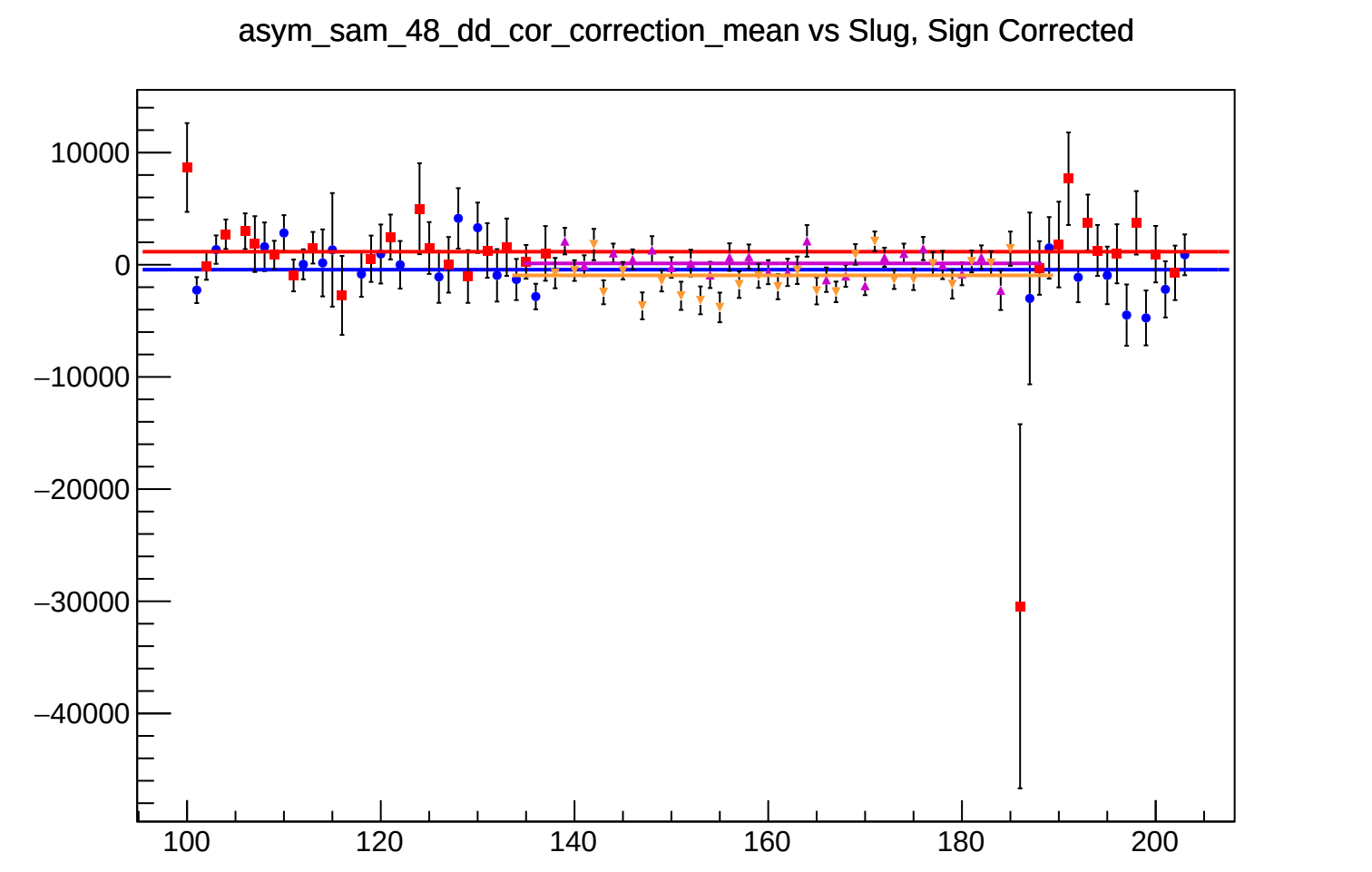
Left: 124.026+/-0.014 χ^2/NDF: 1155903.8/47

Right: 126.865+/-0.018 χ^2/NDF: 3679975.8/52

In: 125.293+/-0.016 χ^2/NDF:1933195.8/46

Out: 125.035+/-0.016 χ^2/NDF:2918021.8/53

All: 125.160+/-0.011 χ^2/NDF: 4851350.9/100



Right In: -439.165+/-397.135 χ^2/NDF: 27.7/23

Left Out: -947.709+/-211.794 χ^2/NDF:50.3/24

Right Out: 1162.135+/-382.732 χ^2/NDF: 23.1/28

Left In: 118.435+/-217.165 χ^2/NDF:24.4/22

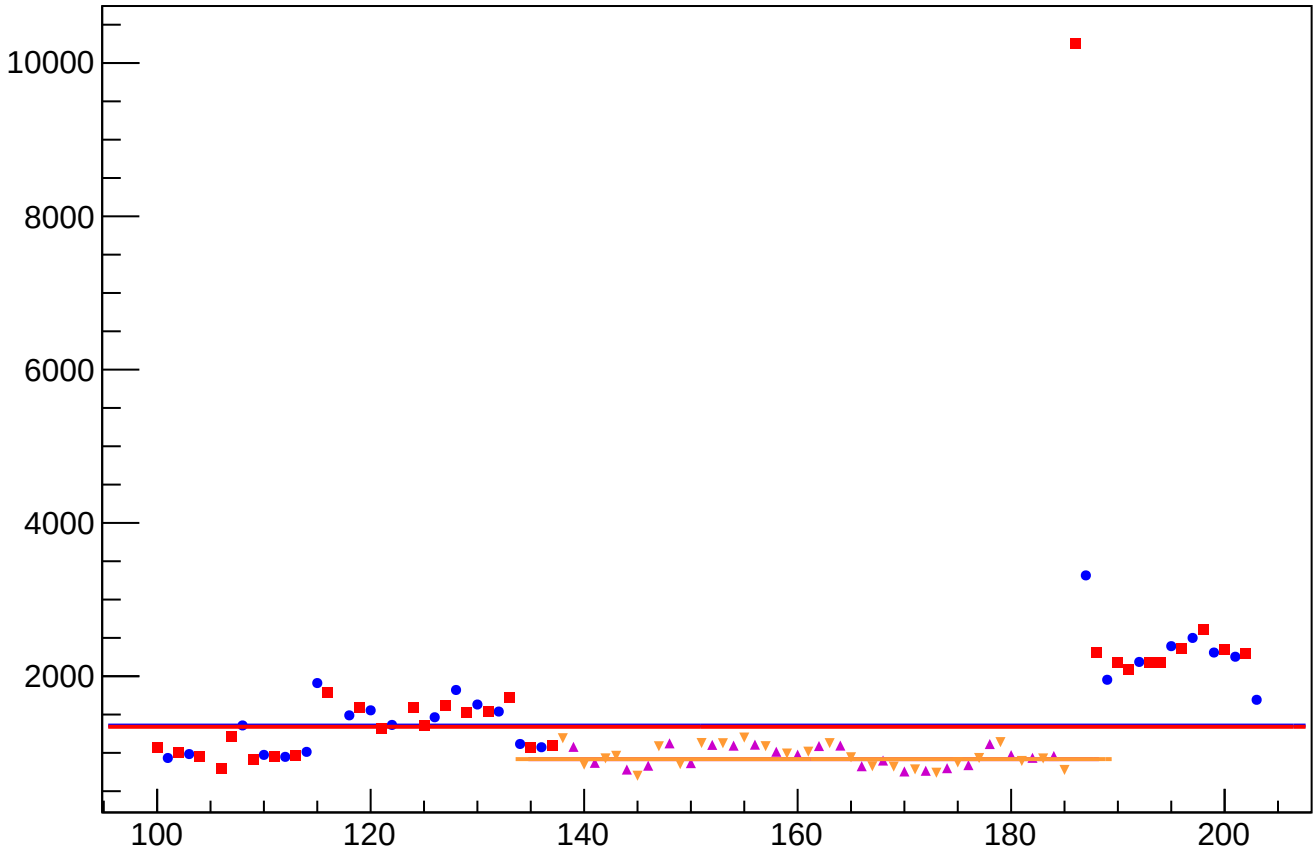
Left: -427.986+/-151.624 χ^2/NDF: 87.0/47

Right: 391.049+/-275.584 χ^2/NDF: 59.3/52

In: -9.919+/-190.538 χ^2/NDF:53.7/46

Out: -453.091+/-185.312 χ^2/NDF:96.7/53

All: -237.666+/-132.845 χ^2/NDF: 153.1/100



Right In: 1355.884+/-0.281 χ^2/NDF: 2886378.2/23

Left Out: 918.501+/-0.150 χ^2/NDF:887819.5/24

Right Out: 1340.317+/-0.271 χ^2/NDF: 4281222.4/28

Left In: 918.214+/-0.154 χ^2/NDF:666263.4/22

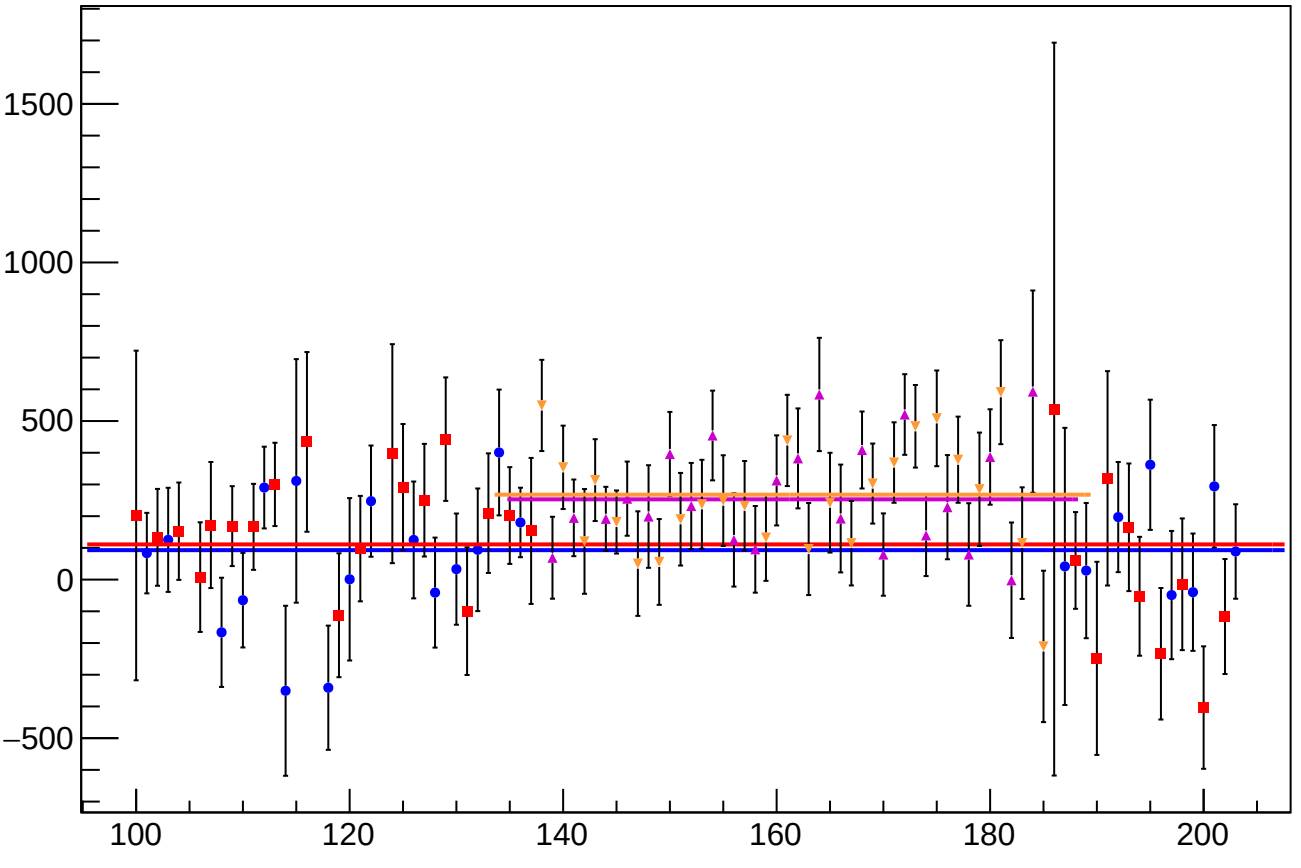
Left: 918.361+/-0.107 χ^2/NDF: 1554084.7/47

Right: 1347.813+/-0.195 χ^2/NDF: 7169193.7/52

In: 1018.962+/-0.135 χ^2/NDF:5422588.0/46

Out: 1017.389+/-0.131 χ^2/NDF:7028854.4/53

All: 1018.154+/-0.094 χ^2/NDF: 12451512.4/1



Right In: 92.854+/-35.969 χ^2/NDF: 22.7/23

Left Out: 267.791+/-28.407 χ^2/NDF:31.0/24

Right Out: 110.988+/-34.827 χ^2/NDF: 27.1/28

Left In: 253.051+/-29.313 χ^2/NDF:26.2/22

Left: 260.652+/-20.400 χ^2/NDF: 57.3/47

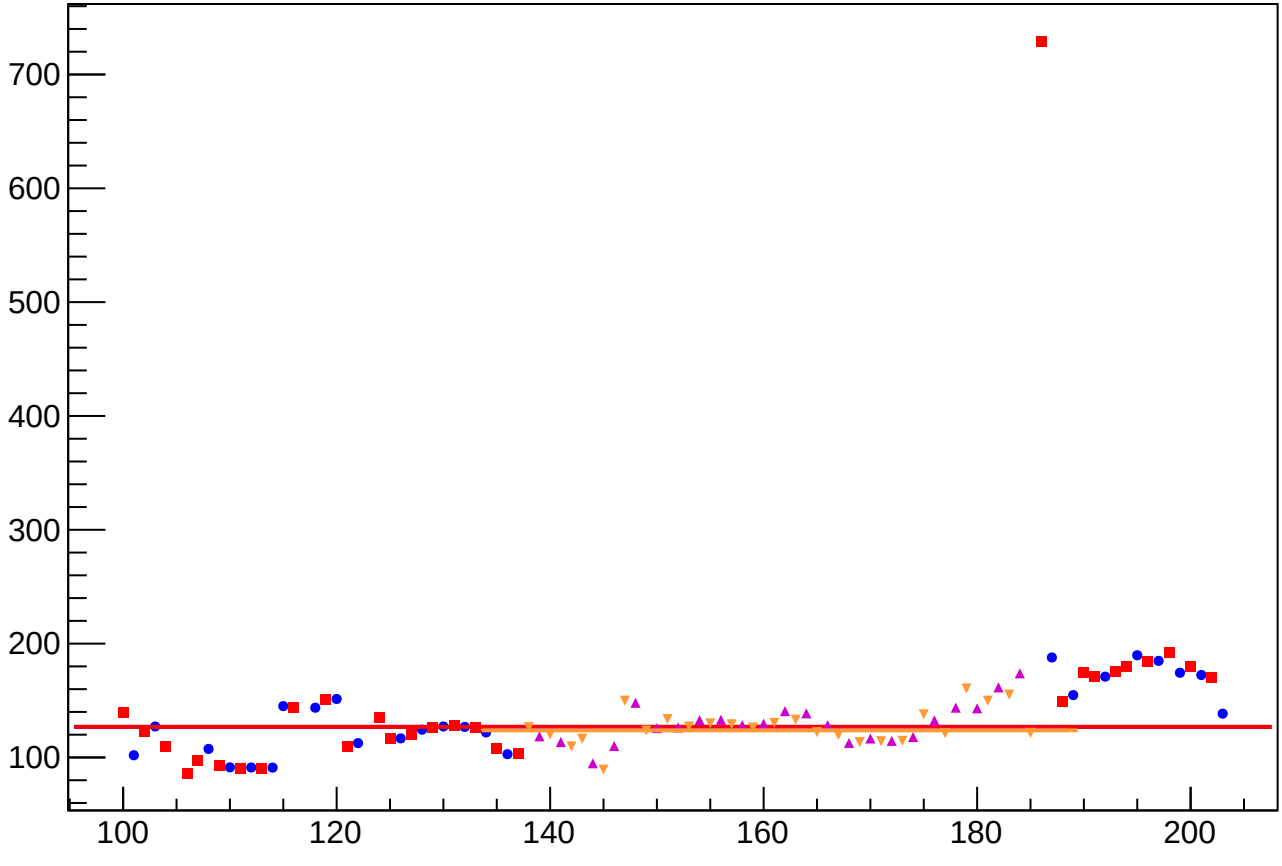
Right: 102.214+/-25.020 χ^2/NDF: 49.9/52

In: 189.118+/-22.723 χ^2/NDF:60.8/46

Out: 205.145+/-22.013 χ^2/NDF:70.3/53

All: 197.386+/-15.811 χ^2/NDF: 131.3/100

eigen_cor_asym_sam_48_dd_rms vs Slug, Sign Corrected



Right In: 126.850+/-0.025 χ^2/NDF: 1369742.5/23

Left Out: 123.807+/-0.020 χ^2/NDF:598444.2/24

Right Out: 126.879+/-0.025 χ^2/NDF: 2310232.7/28

Left In: 124.259+/-0.021 χ^2/NDF:557214.9/22

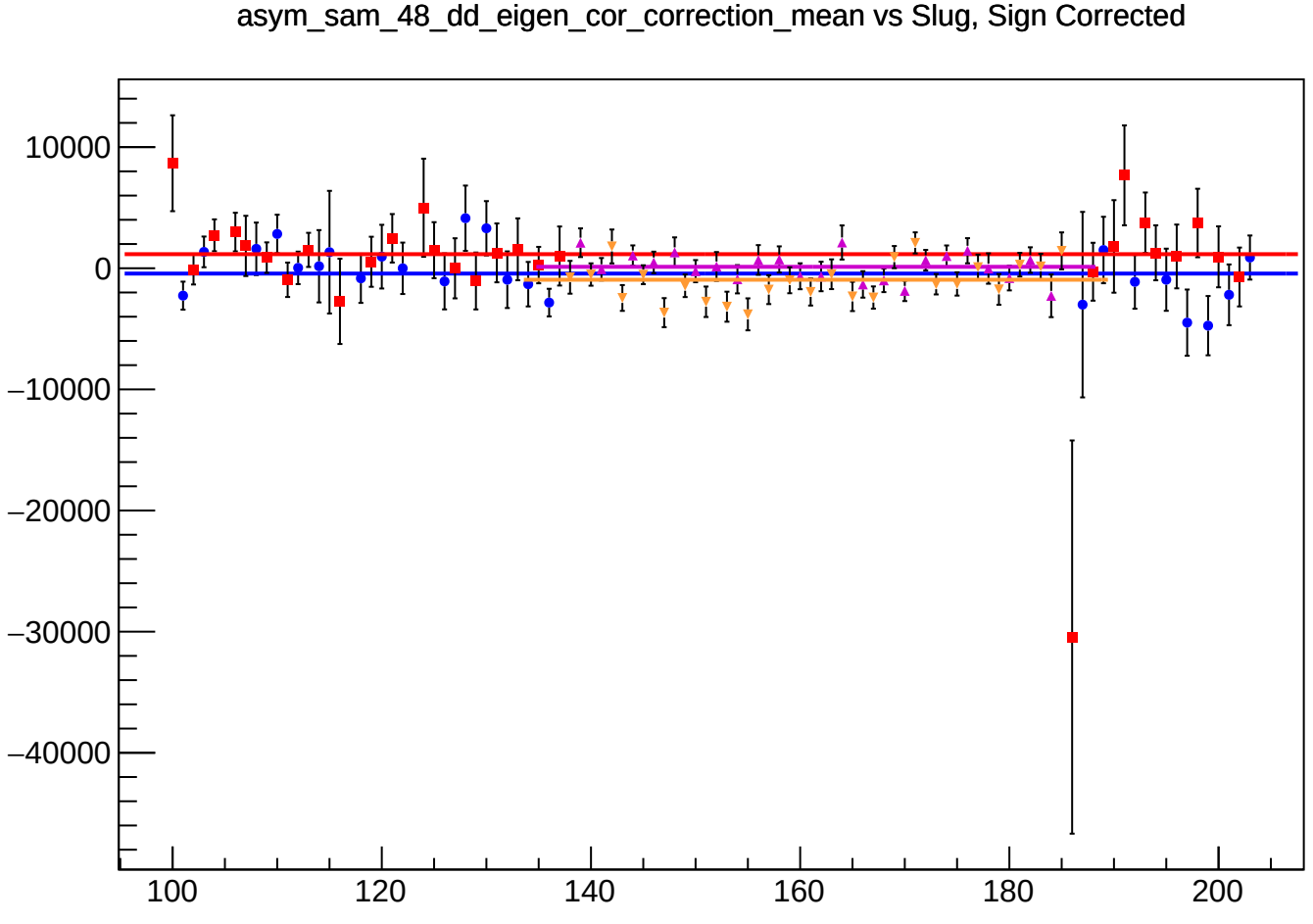
Left: 124.026+/-0.014 χ^2/NDF: 1155903.8/47

Right: 126.865+/-0.018 χ^2/NDF: 3679975.8/52

In: 125.293+/-0.016 χ^2/NDF:1933195.8/46

Out: 125.035+/-0.016 χ^2/NDF:2918021.8/53

All: 125.160+/-0.011 χ^2/NDF: 4851350.9/100



Right In: -439.165+/-397.135 χ^2/NDF: 27.7/23

Left Out: -947.709+/-211.794 χ^2/NDF:50.3/24

Right Out: 1162.135+/-382.732 χ^2/NDF: 23.1/28

Left In: 118.435+/-217.165 χ^2/NDF:24.4/22

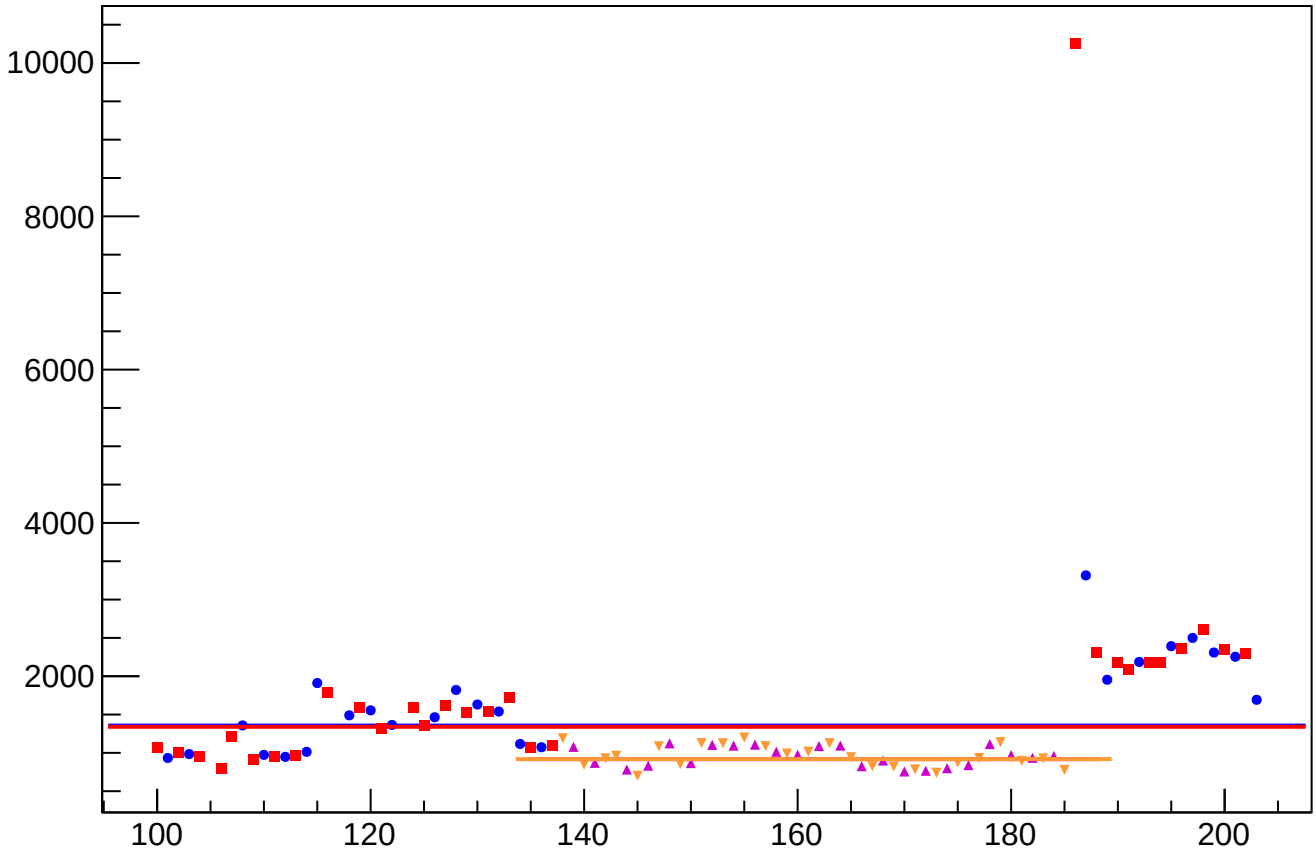
Left: -427.986+/-151.624 χ^2/NDF: 87.0/47

Right: 391.049+/-275.584 χ^2/NDF: 59.3/52

In: -9.919+/-190.538 χ^2/NDF:53.7/46

Out: -453.091+/-185.312 χ^2/NDF:96.7/53

All: -237.666+/-132.845 χ^2/NDF: 153.1/100



Right In: 1355.884+/-0.281 χ^2/NDF: 2886378.2/23

Left Out: 918.501+/-0.150 χ^2/NDF:887819.5/24

Right Out: 1340.317+/-0.271 χ^2/NDF: 4281222.4/28

Left In: 918.214+/-0.154 χ^2/NDF:666263.4/22

Left: 918.361+/-0.107 χ^2/NDF: 1554084.7/47

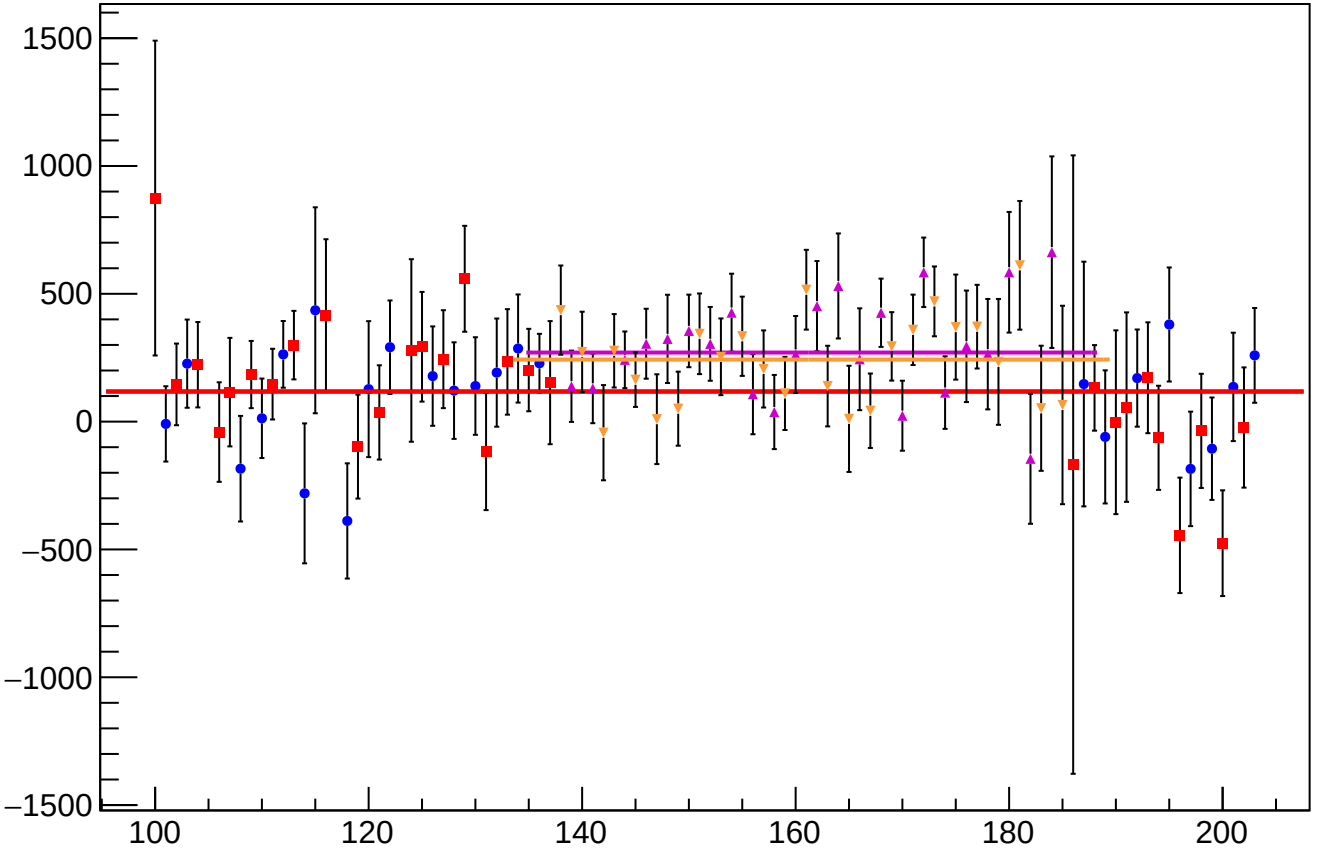
Right: 1347.813+/-0.195 χ^2/NDF: 7169193.7/52

In: 1018.962+/-0.135 χ^2/NDF:5422588.0/46

Out: 1017.389+/-0.131 χ^2/NDF:7028854.4/53

All: 1018.154+/-0.094 χ^2/NDF: 12451512.4/

dit_asym_sam_48_dd_mean vs Slug, Sign Corrected



Right In: 117.971+/-39.171 χ^2/NDF: 21.0/23

Left Out: 242.890+/-32.138 χ^2/NDF:23.7/24

Right Out: 117.503+/-37.447 χ^2/NDF: 30.9/28

Left In: 270.243+/-32.893 χ^2/NDF:26.7/22

Left: 256.249+/-22.987 χ^2/NDF: 50.7/47

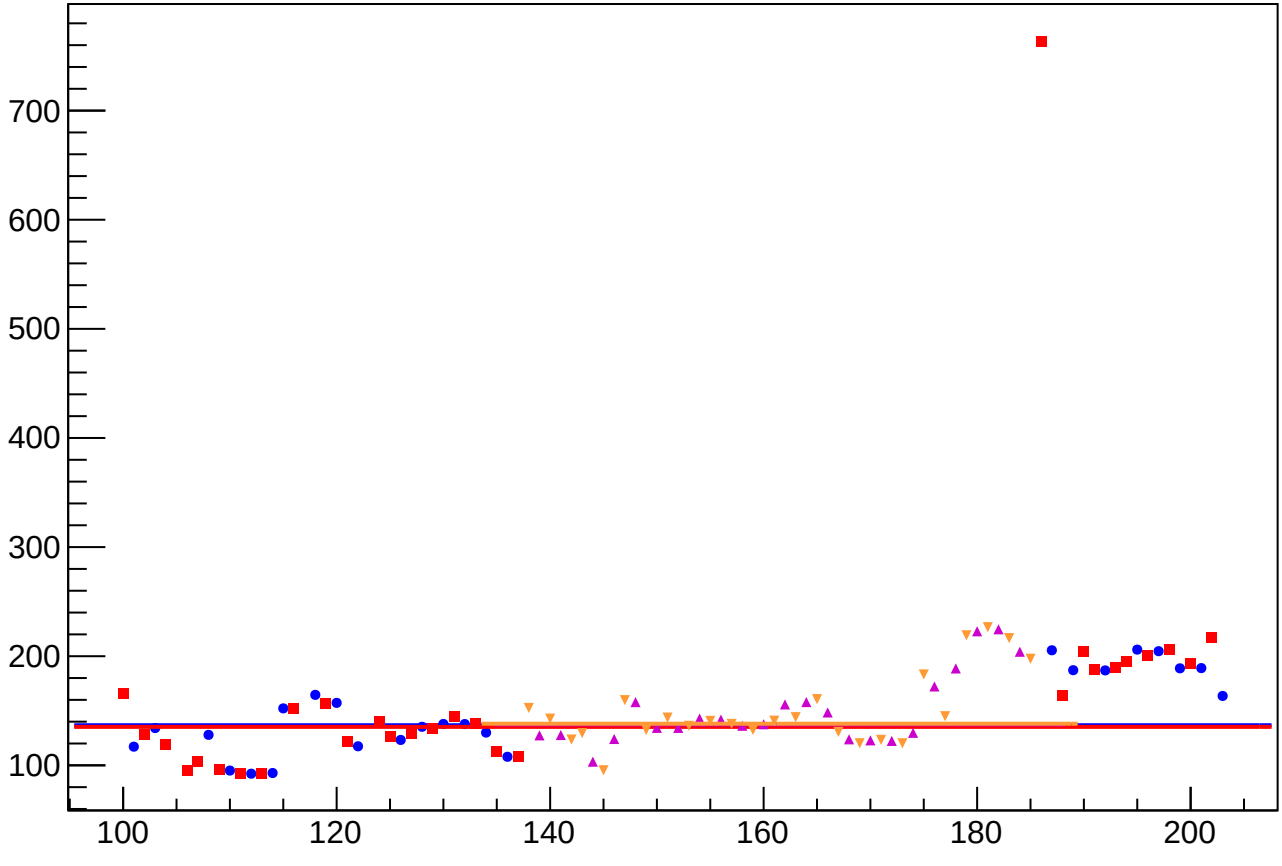
Right: 117.727+/-27.068 χ^2/NDF: 51.9/52

In: 207.273+/-25.190 χ^2/NDF:56.6/46

Out: 189.706+/-24.388 χ^2/NDF:61.0/53

All: 198.206+/-17.522 χ^2/NDF: 117.8/100

dit_asym_sam_48_dd_rms vs Slug, Sign Corrected



Right In: 136.739+/-0.028 χ^2/NDF: 1603170.5/23

Left Out: 138.127+/-0.023 χ^2/NDF:1338308.5/24

Right Out: 135.244+/-0.026 χ^2/NDF: 2618930.1/28

Left In: 137.491+/-0.023 χ^2/NDF:1109333.5/22

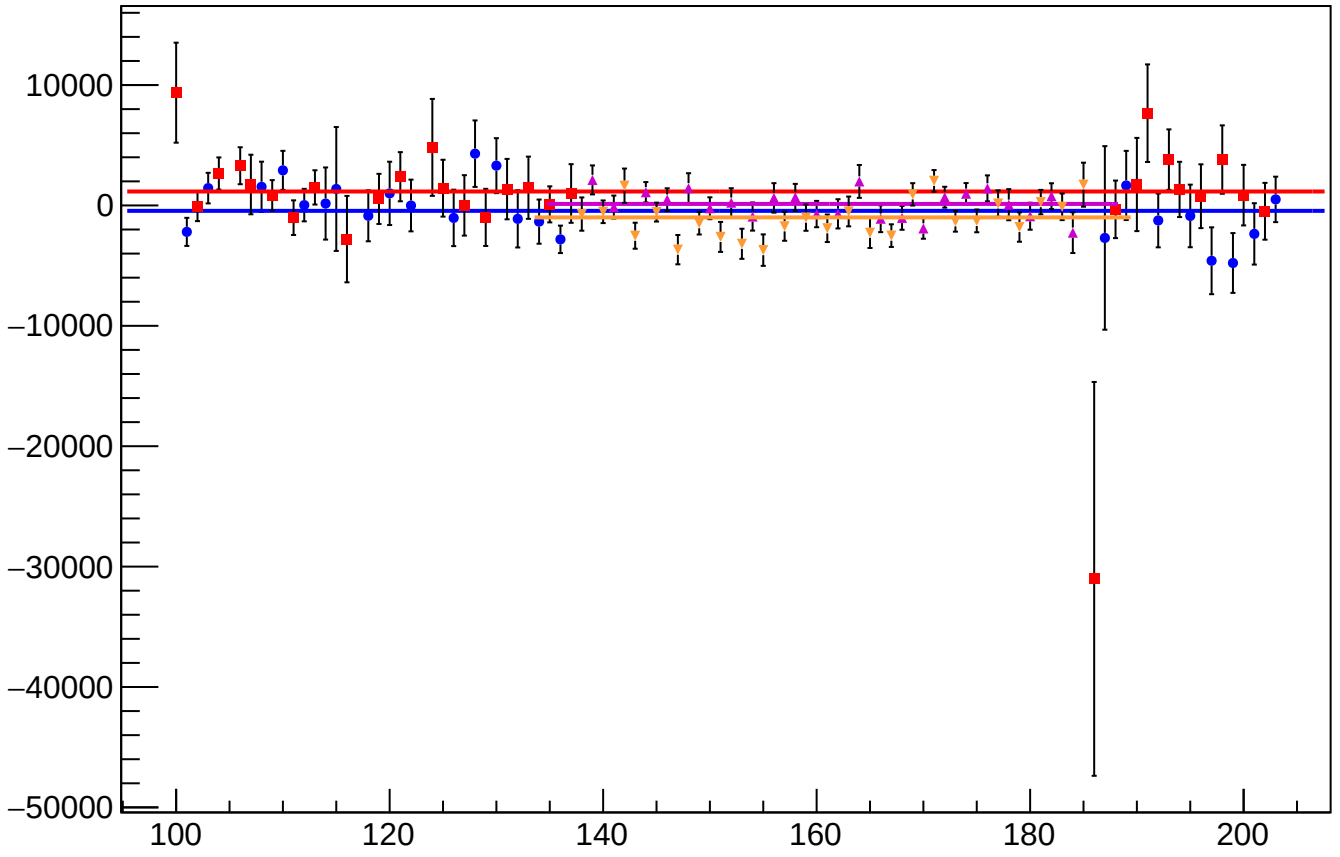
Left: 137.817+/-0.016 χ^2/NDF: 2448024.6/47

Right: 135.958+/-0.019 χ^2/NDF: 4223622.9/52

In: 137.180+/-0.018 χ^2/NDF:2712936.7/46

Out: 136.904+/-0.017 χ^2/NDF:3964066.9/53

All: 137.038+/-0.012 χ^2/NDF: 6677127.4/100



Right In: -449.865+/-401.270 χ^2/NDF: 27.6/23

Left Out: -993.237+/-215.652 χ^2/NDF:46.9/24

Right Out: 1158.459+/-384.325 χ^2/NDF: 24.0/28

Left In: 124.857+/-221.367 χ^2/NDF:23.9/22

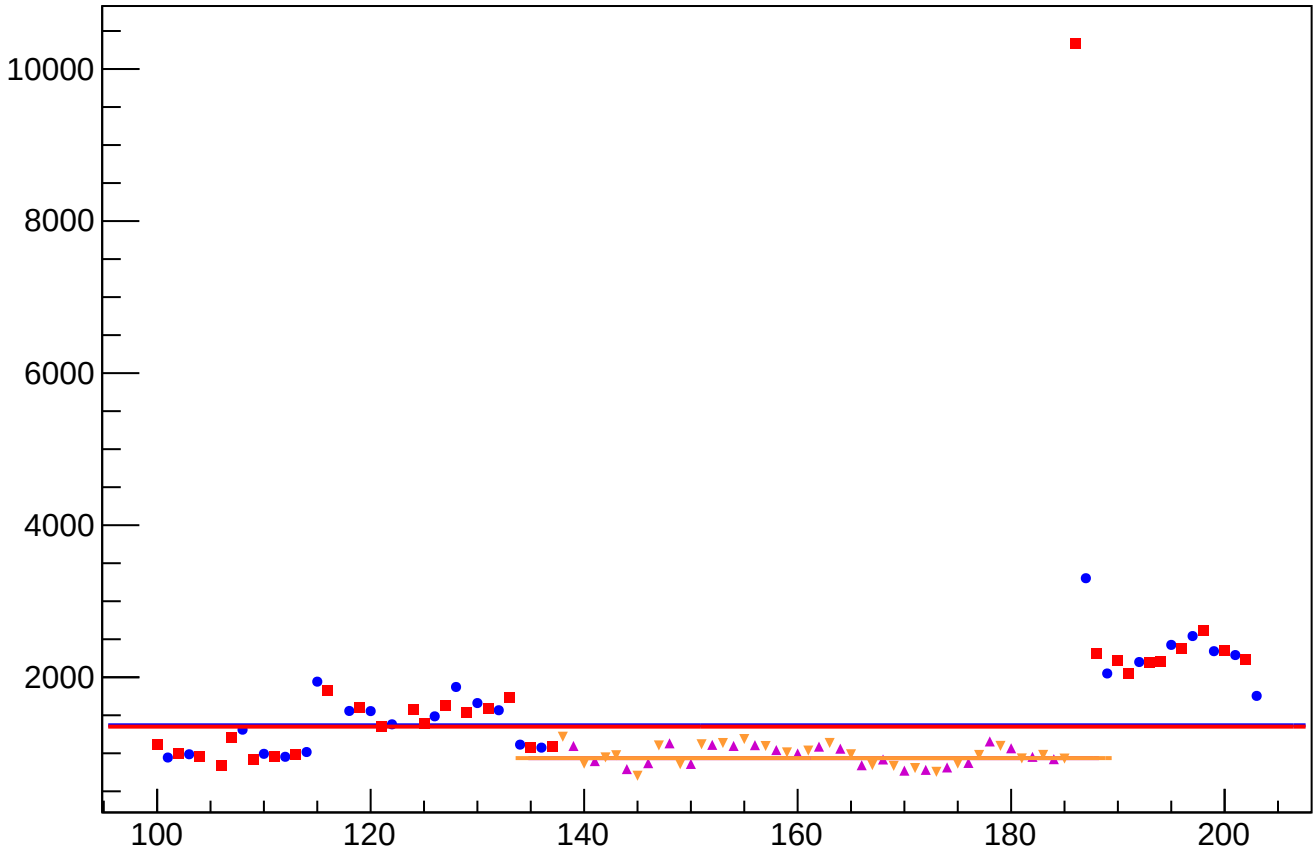
Left: -448.808+/-154.470 χ^2/NDF: 83.9/47

Right: 388.972+/-277.556 χ^2/NDF: 59.9/52

In: -9.240+/-193.829 χ^2/NDF:53.0/46

Out: -477.993+/-188.068 χ^2/NDF:94.7/53

All: -250.686+/-134.975 χ^2/NDF: 150.8/100



Right In: 1368.225+/-0.284 χ^2/NDF: 2972281.0/23

Left Out: 936.743+/-0.152 χ^2/NDF:832449.3/24

Right Out: 1350.622+/-0.272 χ^2/NDF: 4238019.4/28

Left In: 936.380+/-0.157 χ^2/NDF:642749.3/22

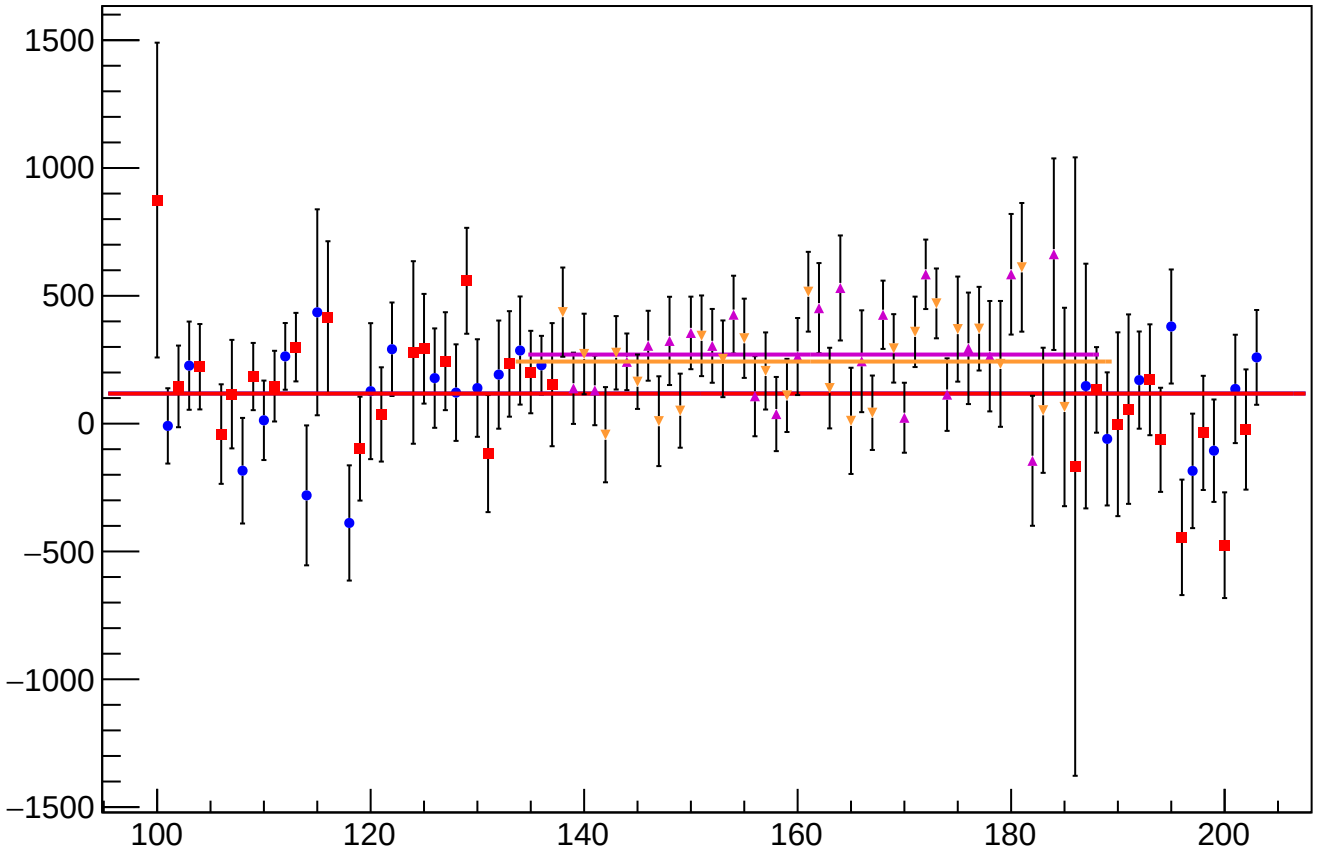
Left: 936.567+/-0.109 χ^2/NDF: 1475201.4/47

Right: 1359.044+/-0.196 χ^2/NDF: 7212307.7/52

In: 1037.141+/-0.137 χ^2/NDF:5390943.0/46

Out: 1035.851+/-0.133 χ^2/NDF:6834480.0/53

All: 1036.476+/-0.095 χ^2/NDF: 12225468.7/1



Right In: 117.973+/-39.171 χ^2/NDF: 21.0/23

Left Out: 242.892+/-32.138 χ^2/NDF:23.7/24

Right Out: 117.503+/-37.447 χ^2/NDF: 30.9/28

Left In: 270.244+/-32.893 χ^2/NDF:26.7/22

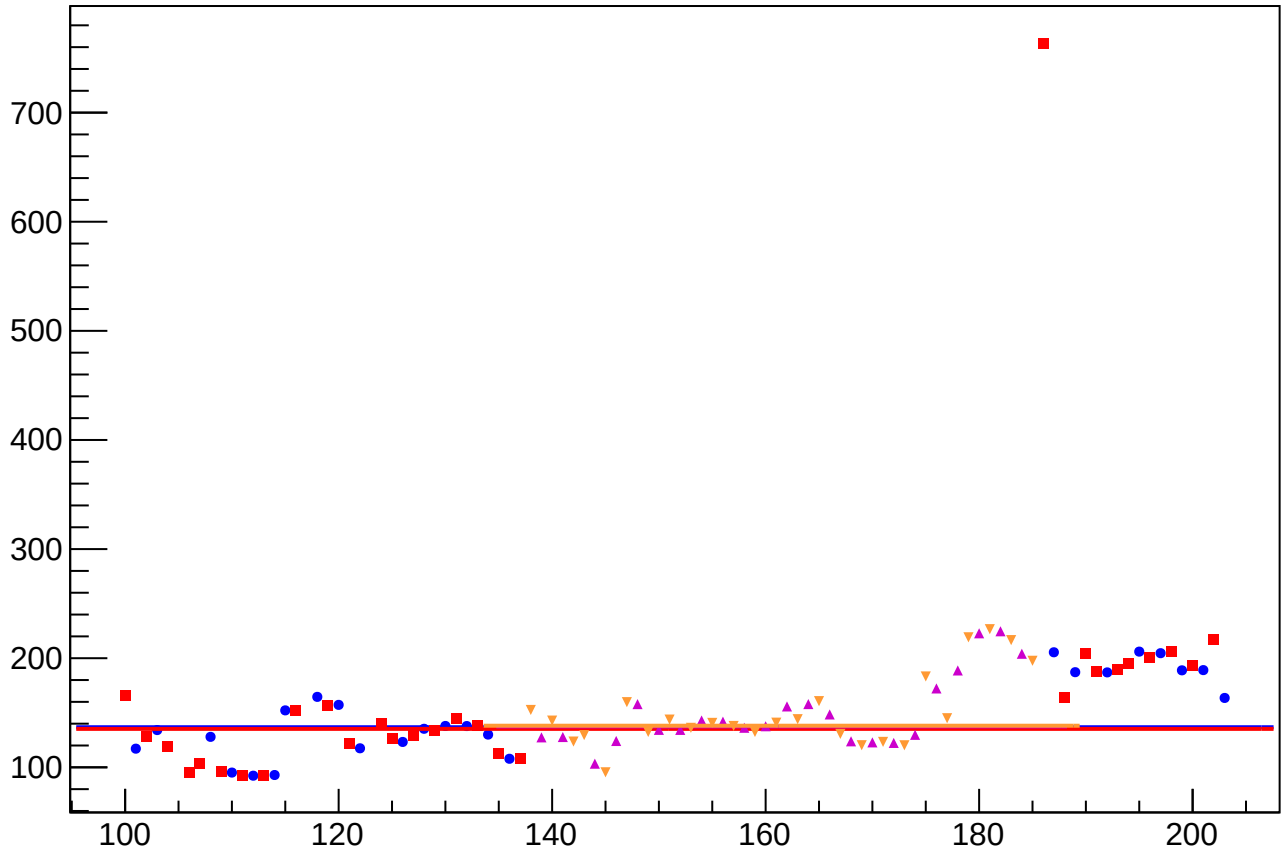
Left: 256.251+/-22.987 χ^2/NDF: 50.7/47

Right: 117.727+/-27.068 χ^2/NDF: 51.9/52

In: 207.275+/-25.190 χ^2/NDF:56.6/46

Out: 189.707+/-24.388 χ^2/NDF:61.0/53

All: 198.207+/-17.522 χ^2/NDF: 117.8/100



Right In: 136.739+/-0.028 χ^2/NDF: 1603158.0/23

Left Out: 138.127+/-0.023 χ^2/NDF:1338311.7/24

Right Out: 135.244+/-0.026 χ^2/NDF: 2618936.7/28

Left In: 137.491+/-0.023 χ^2/NDF:1109319.8/22

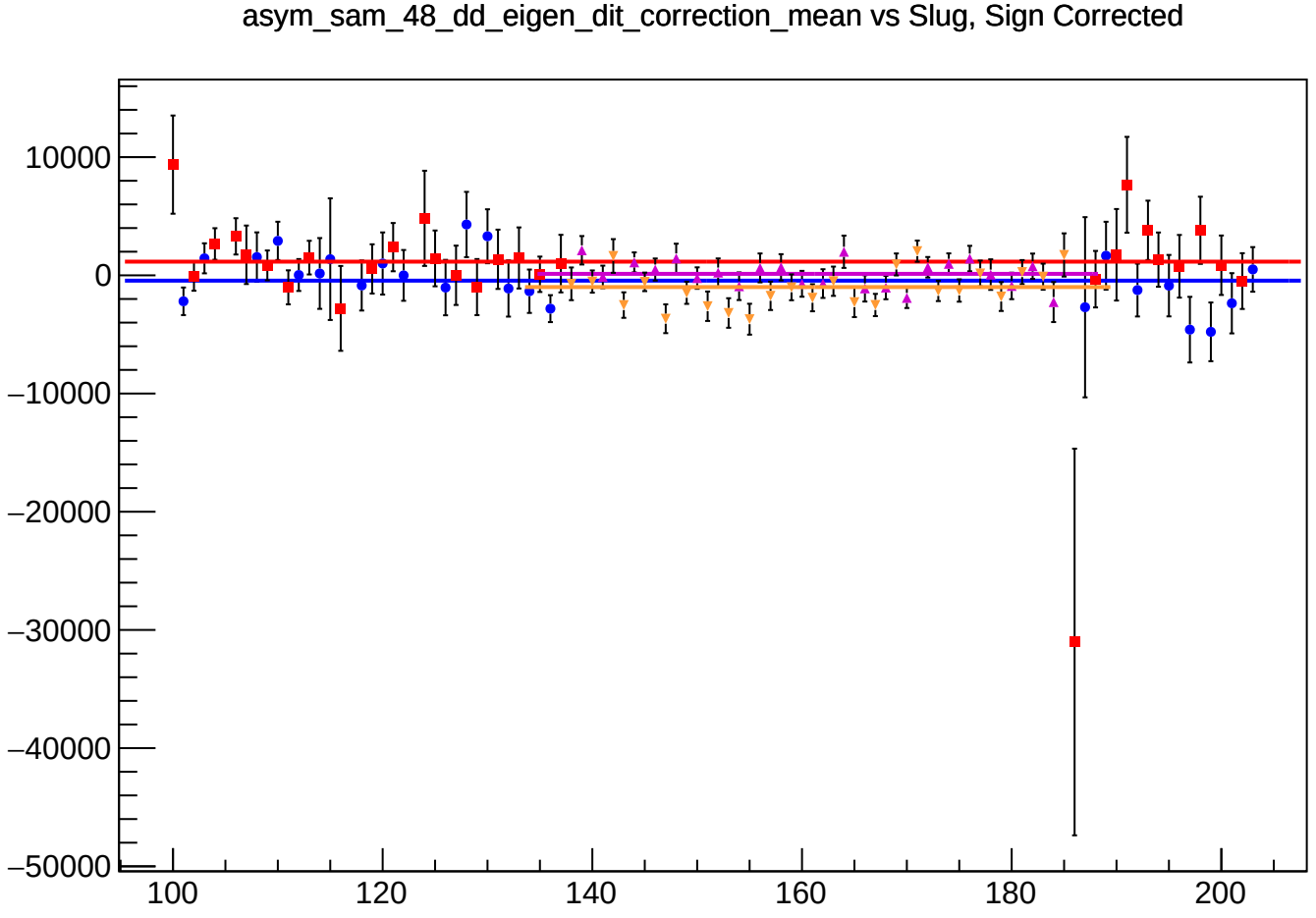
Left: 137.817+/-0.016 χ^2/NDF: 2448014.1/47

Right: 135.958+/-0.019 χ^2/NDF: 4223616.9/52

In: 137.180+/-0.018 χ^2/NDF:2712910.5/46

Out: 136.904+/-0.017 χ^2/NDF:3964076.8/53

All: 137.038+/-0.012 χ^2/NDF: 6677111.1/100



Right In: -449.864+/-401.270 χ^2/NDF: 27.6/23

Left Out: -993.235+/-215.652 χ^2/NDF:46.9/24

Right Out: 1158.458+/-384.325 χ^2/NDF: 24.0/28

Left In: 124.856+/-221.366 χ^2/NDF:23.9/22

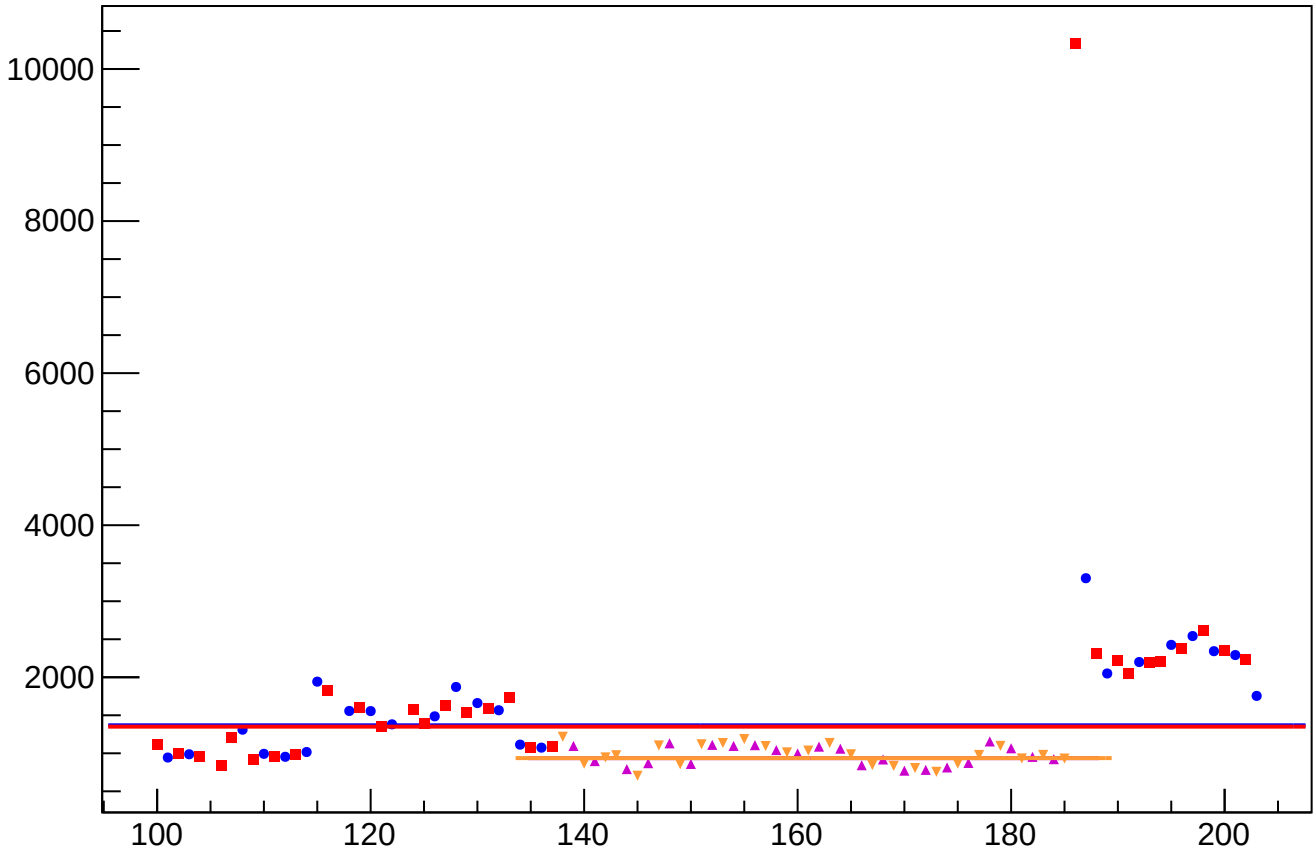
Left: -448.807+/-154.470 χ^2/NDF: 83.9/47

Right: 388.972+/-277.556 χ^2/NDF: 59.9/52

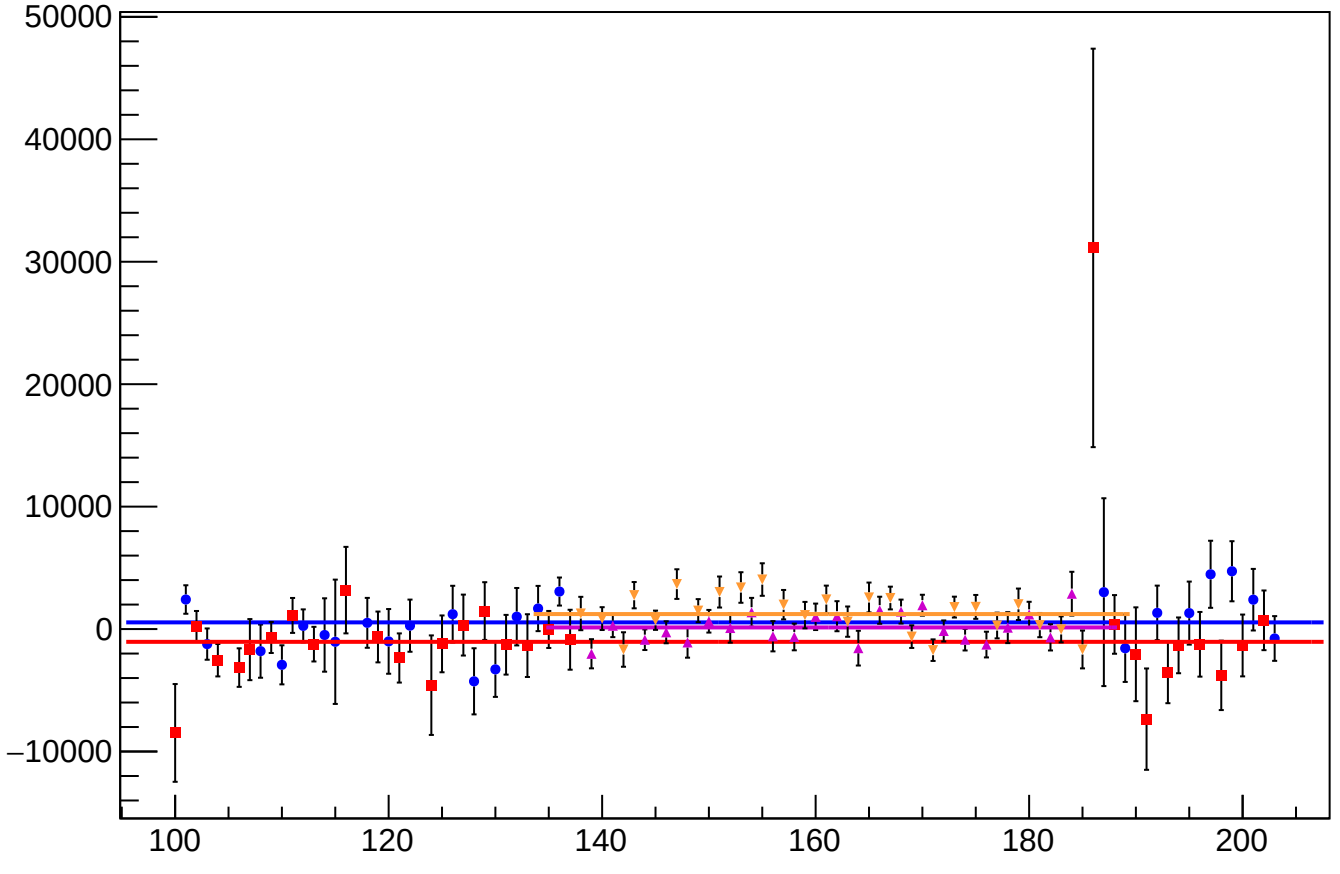
In: -9.241+/-193.828 χ^2/NDF:53.0/46

Out: -477.992+/-188.068 χ^2/NDF:94.7/53

All: -250.685+/-134.975 χ^2/NDF: 150.8/100


asym_sam_48_dd_eigen_dit_correction_rms vs Slug, Sign Corrected
10000
8000
6000
4000
2000
100
120
140
160
180
200
Right In: 1368.224+/-0.284 χ²/NDF: 2972275.2/23
Left Out: 936.742+/-0.152 χ²/NDF:832452.0/24
Right Out: 1350.622+/-0.272 χ²/NDF: 4238012.4/28
Left In: 936.379+/-0.157 χ²/NDF:642748.0/22
Left: 936.566+/-0.109 χ²/NDF: 1475202.7/47
Right: 1359.044+/-0.196 χ²/NDF: 7212294.9/52
In: 1037.140+/-0.137 χ²/NDF:5390942.7/46
Out: 1035.850+/-0.133 χ²/NDF:6834483.9/53
All: 1036.475+/-0.095 χ²/NDF: 12225472.1/1

asym_sam_48_dd_mean vs Slug, Sign Corrected



Right In: 546.365+/-399.089 χ^2/NDF: 29.4/23

Left Out: 1225.521+/-213.843 χ^2/NDF:48.5/24

Right Out: -1042.959+/-384.150 χ^2/NDF: 23.8/28

Left In: 132.834+/-219.278 χ^2/NDF:25.8/22

Left: 692.887+/-153.095 χ^2/NDF: 87.1/47

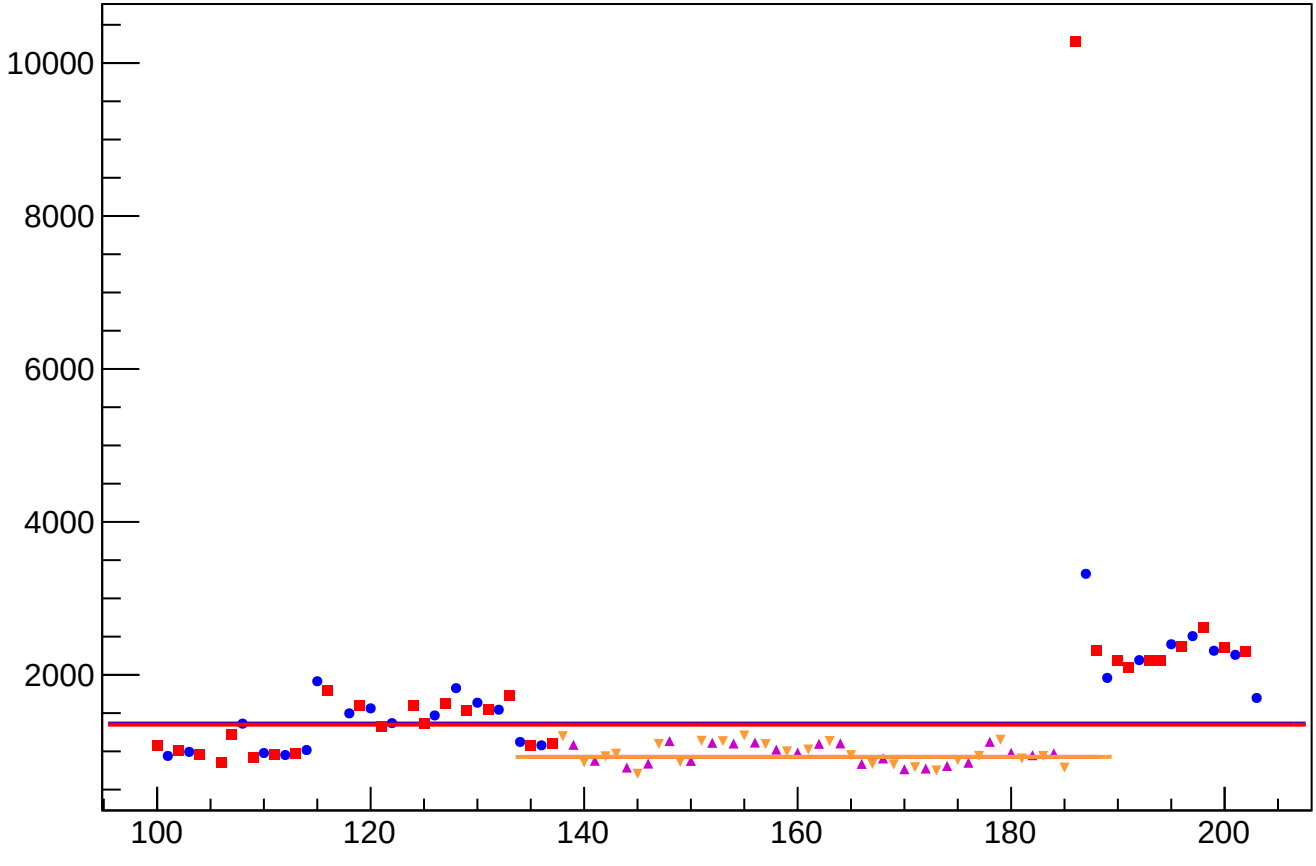
Right: -278.602+/-276.766 χ^2/NDF: 61.4/52

In: 228.726+/-192.180 χ^2/NDF:56.0/46

Out: 688.867+/-186.844 χ^2/NDF:98.9/53

All: 465.273+/-133.965 χ^2/NDF: 157.9/100

asym_sam_48_dd_rms vs Slug, Sign Corrected



Right In: 1363.132+/-0.282 χ^2/NDF: 2866868.1/23

Left Out: 927.610+/-0.151 χ^2/NDF:875127.3/24

Right Out: 1349.144+/-0.272 χ^2/NDF: 4226472.8/28

Left In: 927.321+/-0.155 χ^2/NDF:656539.8/22

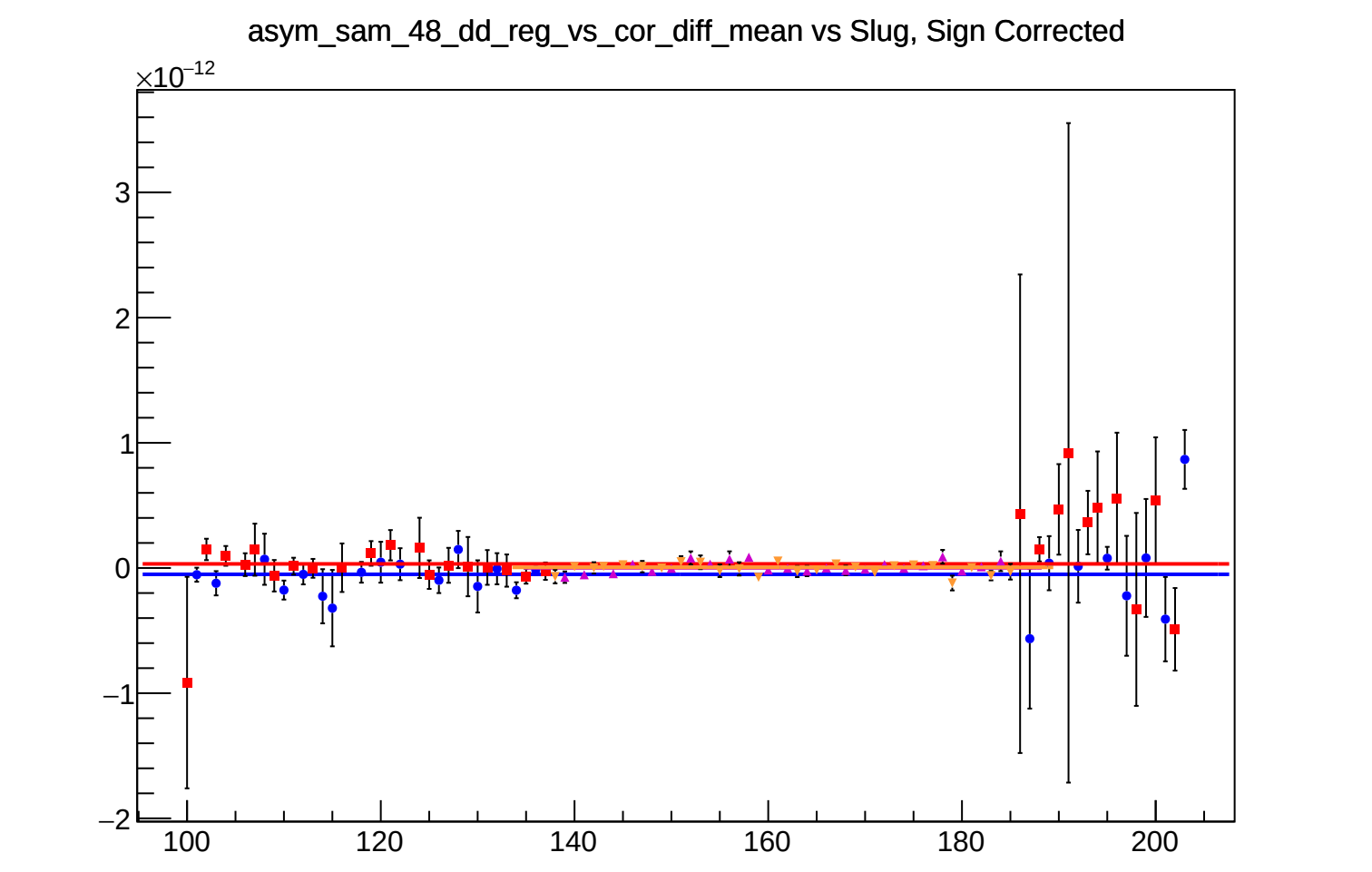
Left: 927.469+/-0.108 χ^2/NDF: 1531668.9/47

Right: 1355.871+/-0.196 χ^2/NDF: 7094616.4/52

In: 1028.380+/-0.136 χ^2/NDF:5355353.1/46

Out: 1027.332+/-0.132 χ^2/NDF:6940102.0/53

All: 1027.841+/-0.095 χ^2/NDF: 12295485.7/1



Right In: -0.000+/-0.000 χ^2/NDF: 32.6/23

Left Out: 0.000+/-0.000 χ^2/NDF:25.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 22.2/28

Left In: 0.000+/-0.000 χ^2/NDF:27.7/22

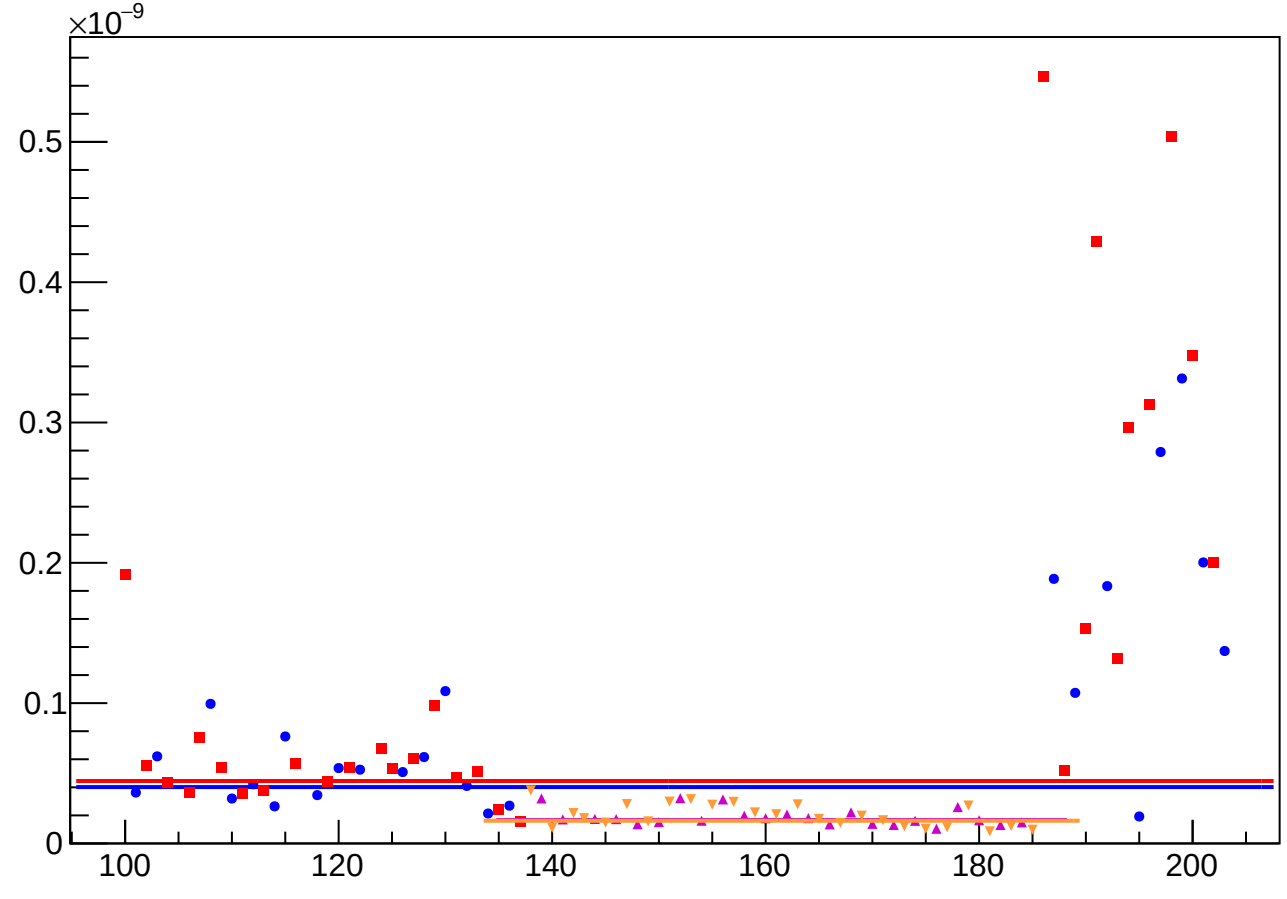
Left: 0.000+/-0.000 χ^2/NDF: 53.3/47

Right: -0.000+/-0.000 χ^2/NDF: 62.2/52

In: -0.000+/-0.000 χ^2/NDF:65.7/46

Out: 0.000+/-0.000 χ^2/NDF:49.0/53

All: 0.000+/-0.000 χ^2/NDF: 116.3/100



Right In: 0.000+/-0.000 χ^2/NDF: 4018330.4/23

Left Out: 0.000+/-0.000 χ^2/NDF:2009728.9/24

Right Out: 0.000+/-0.000 χ^2/NDF: 4626361.7/28

Left In: 0.000+/-0.000 χ^2/NDF:928356.7/22

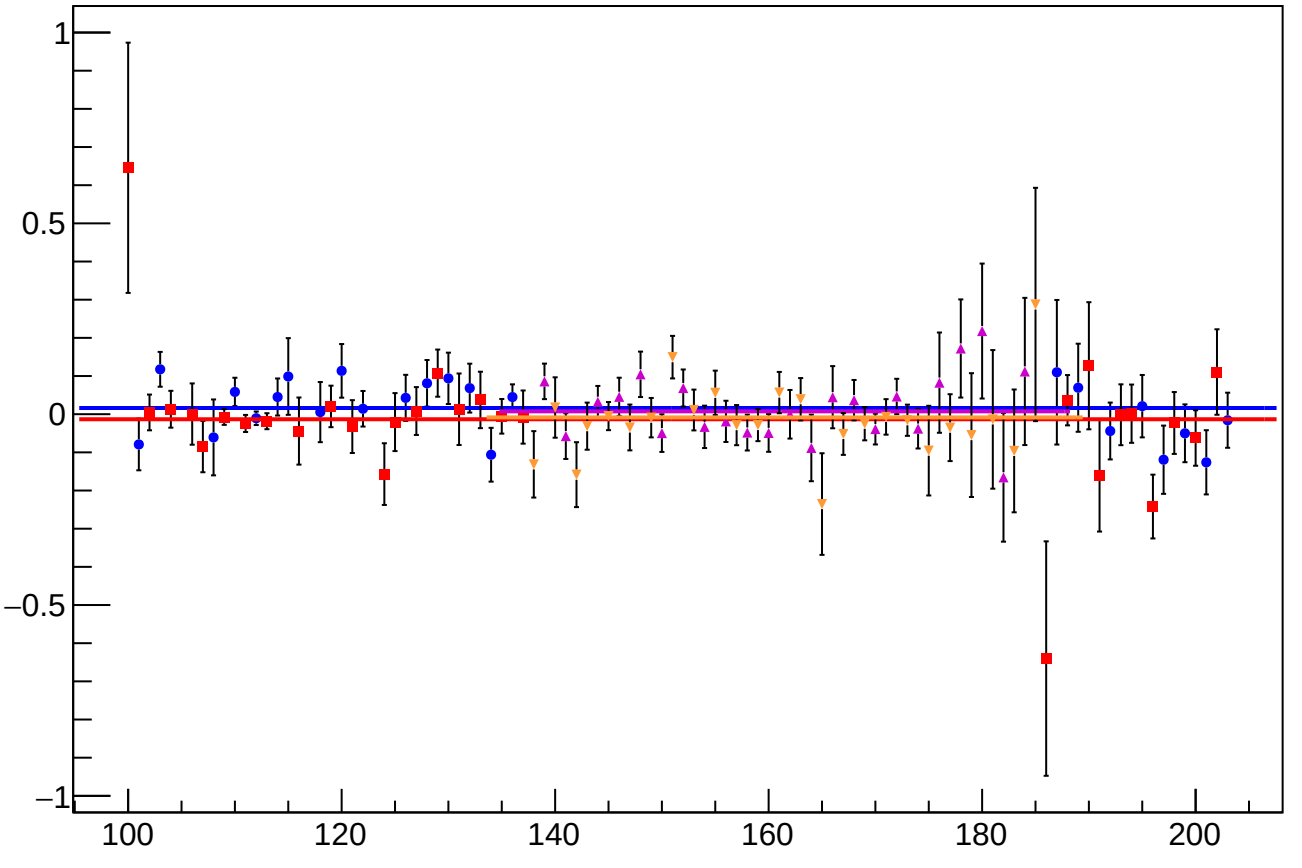
Left: 0.000+/-0.000 χ^2/NDF: 2943547.5/47

Right: 0.000+/-0.000 χ^2/NDF: 8685224.8/52

In: 0.000+/-0.000 χ^2/NDF:7235381.5/46

Out: 0.000+/-0.000 χ^2/NDF:9636895.1/53

All: 0.000+/-0.000 χ^2/NDF: 16879997.7/100



Right In: 0.016+/-0.010 χ^2/NDF: 28.4/23

Left Out: -0.008+/-0.012 χ^2/NDF:23.2/24

Right Out: -0.013+/-0.009 χ^2/NDF: 30.0/28

Left In: 0.007+/-0.012 χ^2/NDF:23.2/22

Left: -0.000+/-0.008 χ^2/NDF: 47.3/47

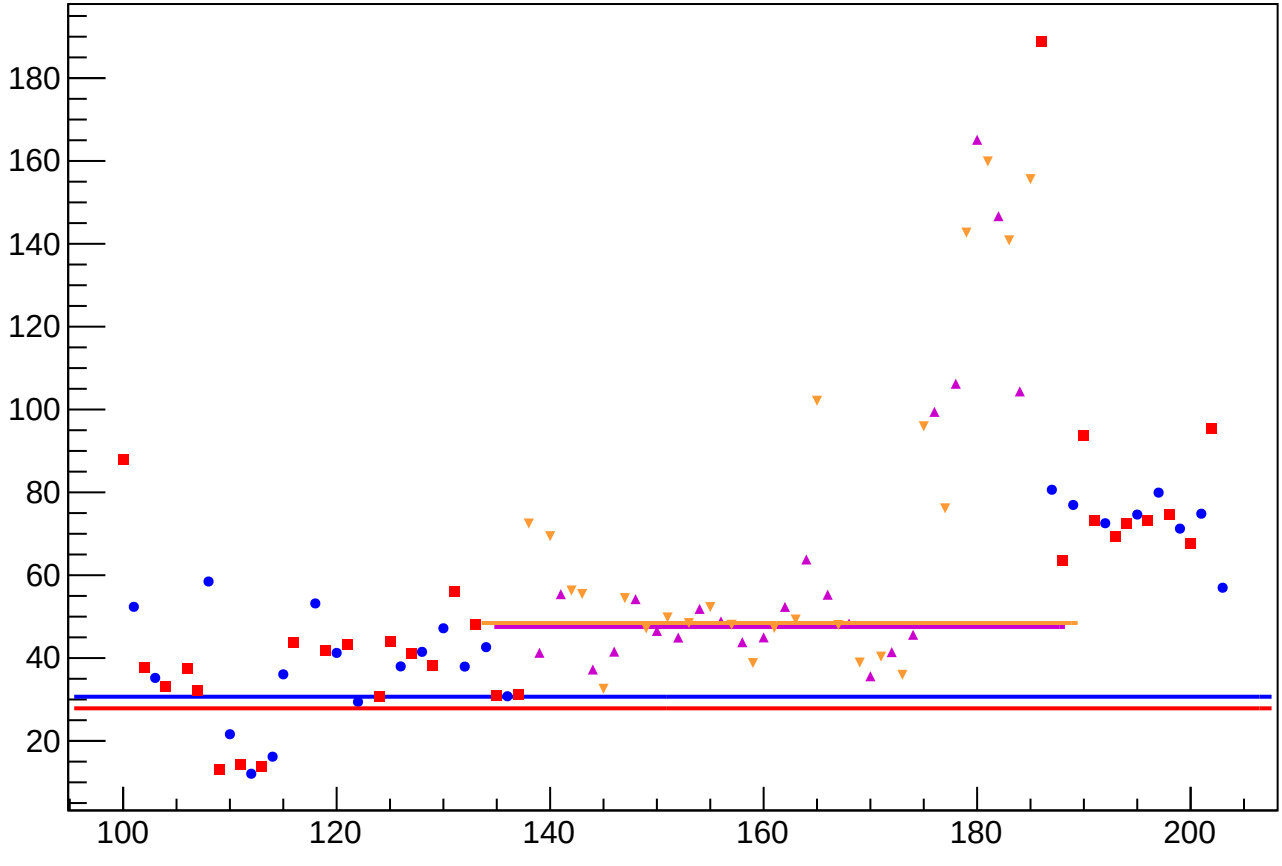
Right: -0.000+/-0.007 χ^2/NDF: 62.9/52

In: 0.012+/-0.008 χ^2/NDF:51.9/46

Out: -0.011+/-0.007 χ^2/NDF:53.3/53

All: -0.000+/-0.005 χ^2/NDF: 110.2/100

asym_sam_48_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 30.667+/-0.007 χ^2/NDF: 7060150.6/23

Left Out: 48.471+/-0.008 χ^2/NDF:4373812.0/24

Right Out: 27.868+/-0.007 χ^2/NDF: 9169156.8/28

Left In: 47.505+/-0.009 χ^2/NDF:3075161.5/22

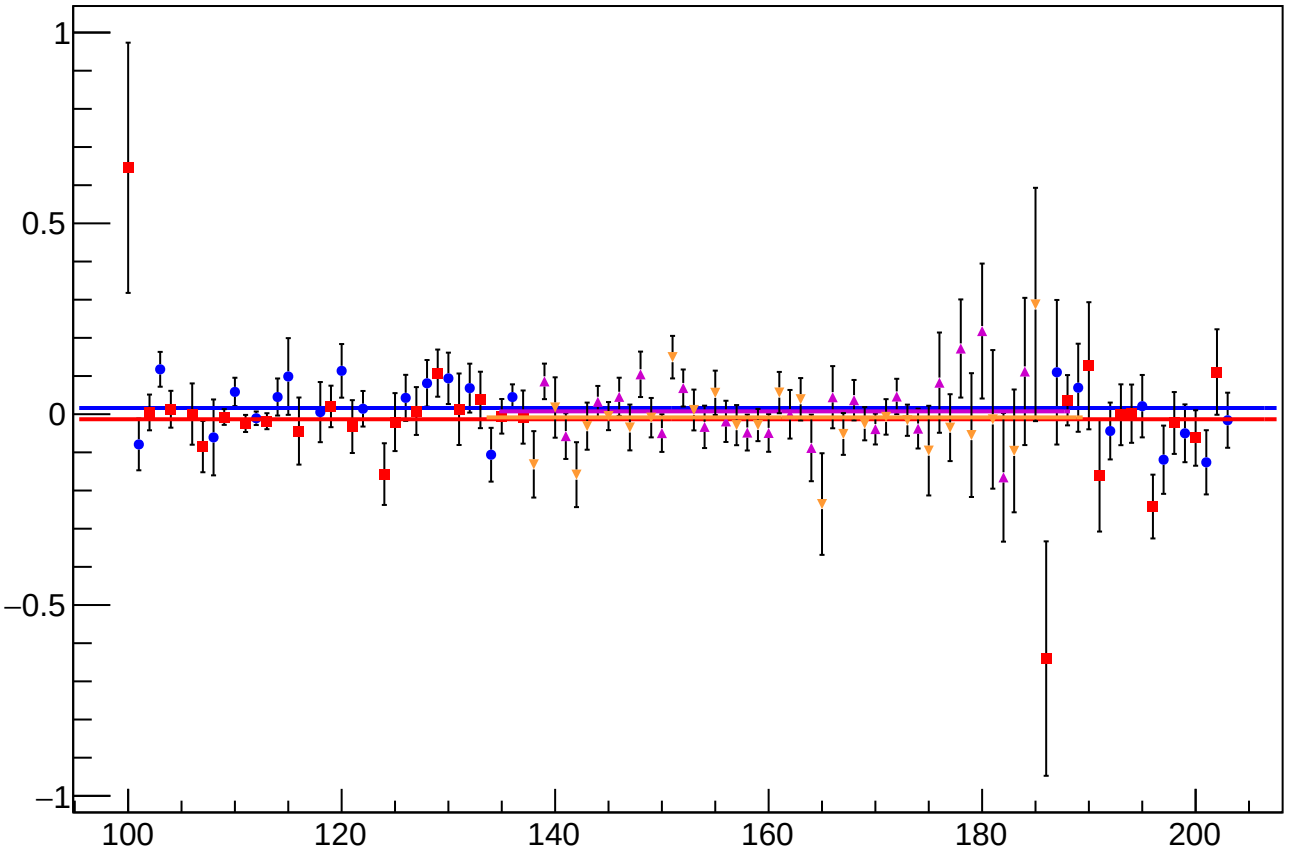
Left: 47.989+/-0.006 χ^2/NDF: 7455439.1/47

Right: 29.107+/-0.005 χ^2/NDF: 16309904.8/52

In: 37.875+/-0.006 χ^2/NDF:12375347.9/46

Out: 35.567+/-0.005 χ^2/NDF:17231118.1/53

All: 36.641+/-0.004 χ^2/NDF: 29698446.0/100



Right In: 0.016+/-0.010 χ^2/NDF: 28.4/23

Left Out: -0.008+/-0.012 χ^2/NDF:23.2/24

Right Out: -0.013+/-0.009 χ^2/NDF: 30.0/28

Left In: 0.007+/-0.012 χ^2/NDF:23.2/22

Left: -0.000+/-0.008 χ^2/NDF: 47.3/47

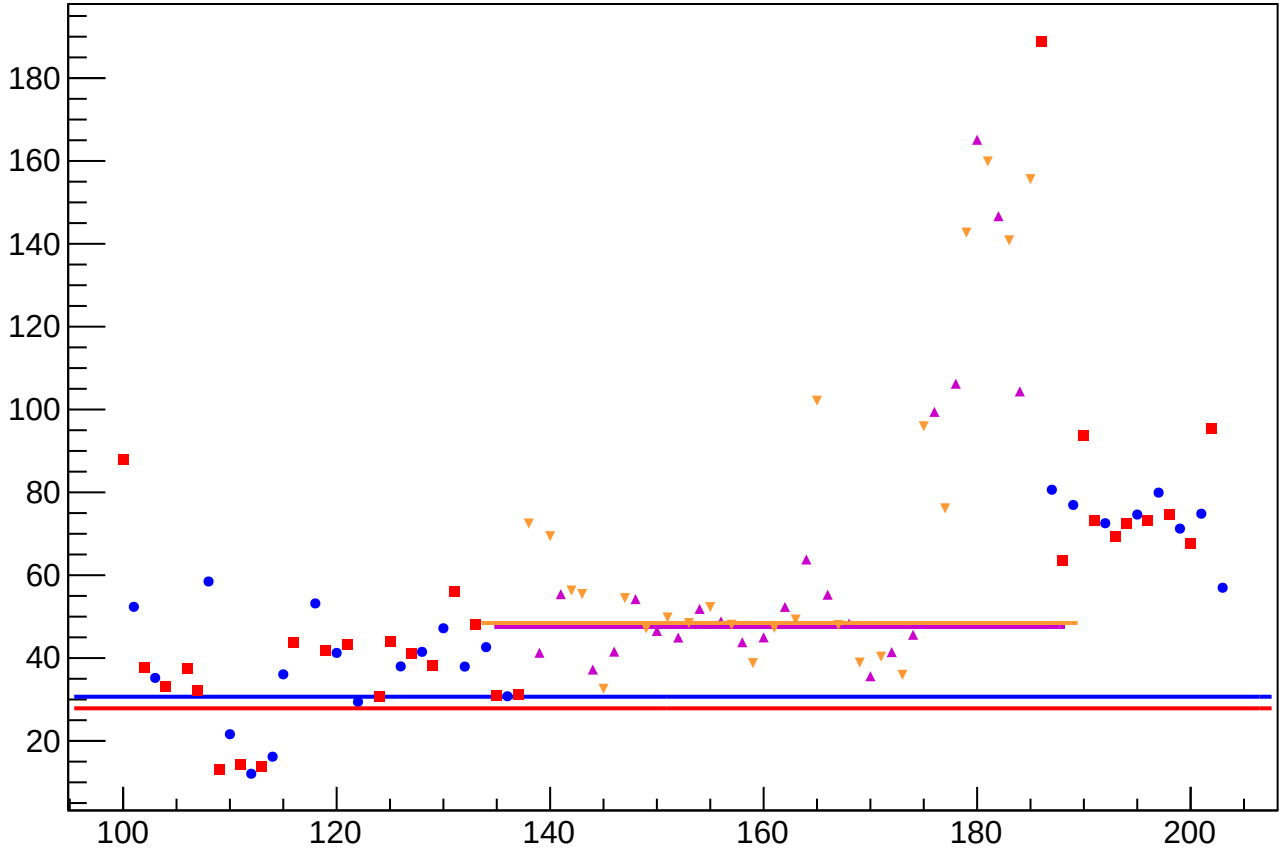
Right: -0.000+/-0.007 χ^2/NDF: 62.9/52

In: 0.012+/-0.008 χ^2/NDF:51.9/46

Out: -0.011+/-0.007 χ^2/NDF:53.3/53

All: -0.000+/-0.005 χ^2/NDF: 110.2/100

asym_sam_48_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 30.667+/-0.007 χ^2/NDF: 7060150.6/23

Left Out: 48.471+/-0.008 χ^2/NDF:4373812.0/24

Right Out: 27.868+/-0.007 χ^2/NDF: 9169156.8/28

Left In: 47.505+/-0.009 χ^2/NDF:3075161.5/22

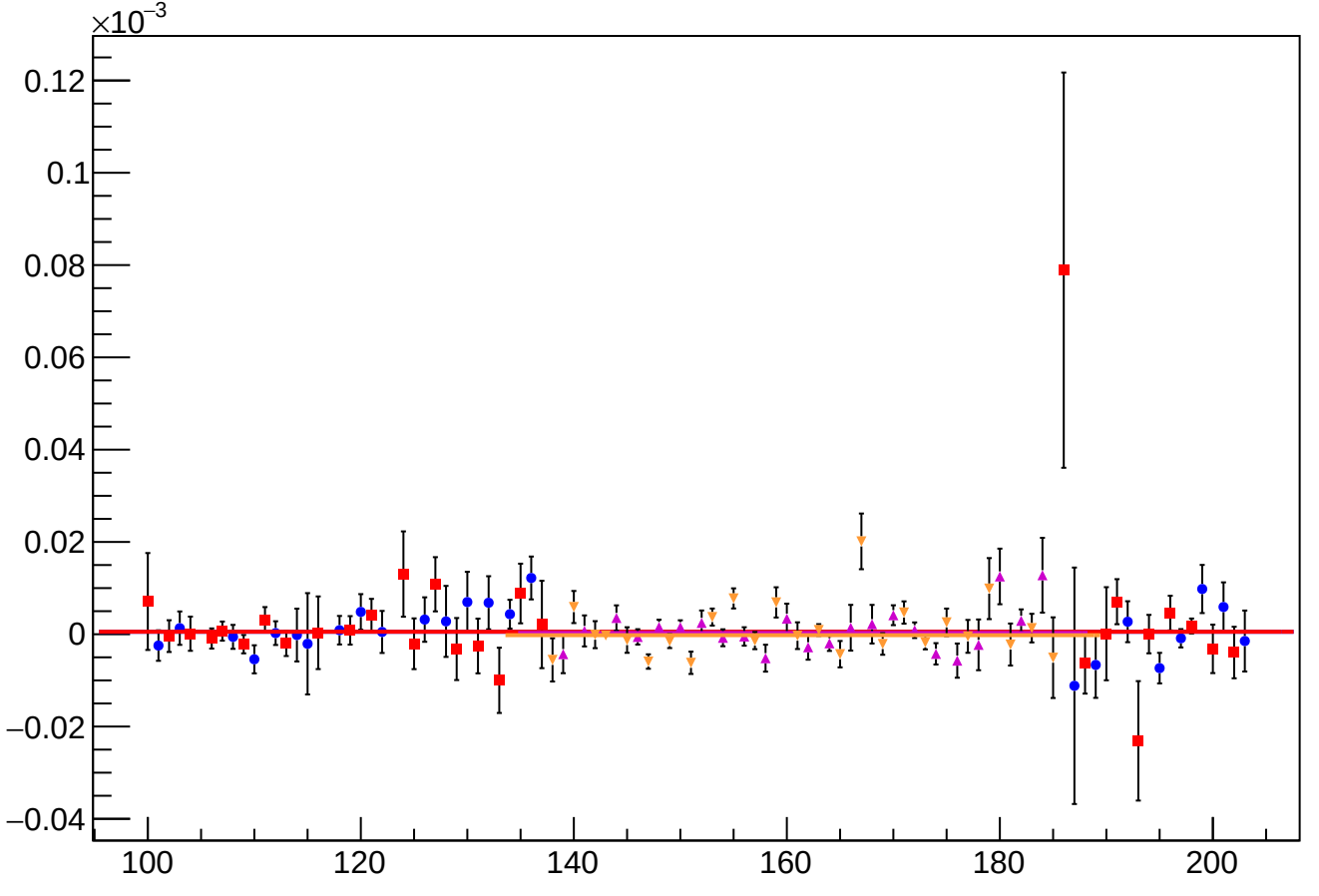
Left: 47.989+/-0.006 χ^2/NDF: 7455439.1/47

Right: 29.107+/-0.005 χ^2/NDF: 16309904.8/52

In: 37.875+/-0.006 χ^2/NDF:12375347.9/46

Out: 35.567+/-0.005 χ^2/NDF:17231118.1/53

All: 36.641+/-0.004 χ^2/NDF: 29698446.0/100



Right In: 0.000+/-0.000 χ^2/NDF: 28.5/23

Left Out: -0.000+/-0.000 χ^2/NDF:71.7/24

Right Out: 0.000+/-0.000 χ^2/NDF: 27.7/28

Left In: 0.000+/-0.000 χ^2/NDF:30.9/22

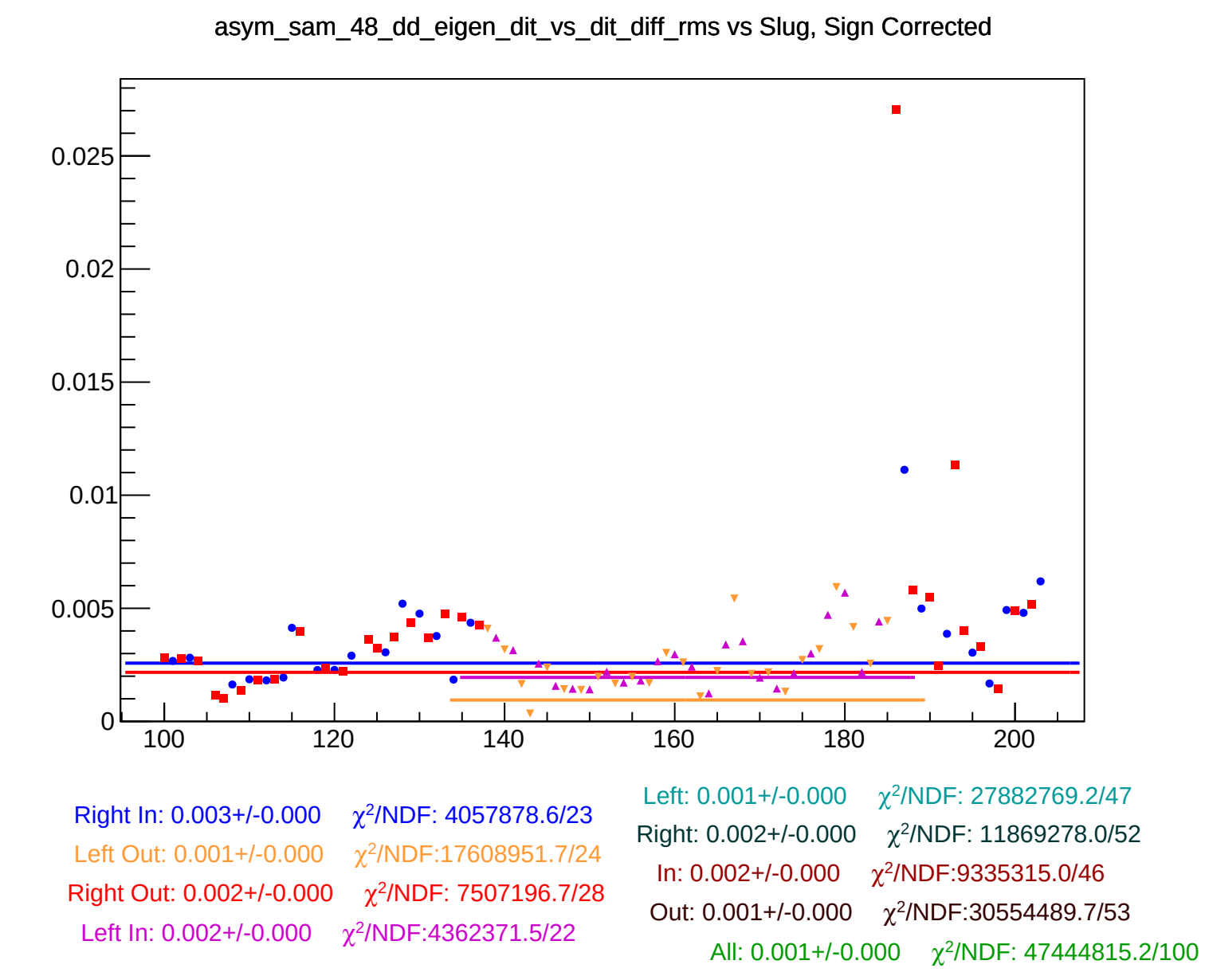
Left: -0.000+/-0.000 χ^2/NDF: 103.2/47

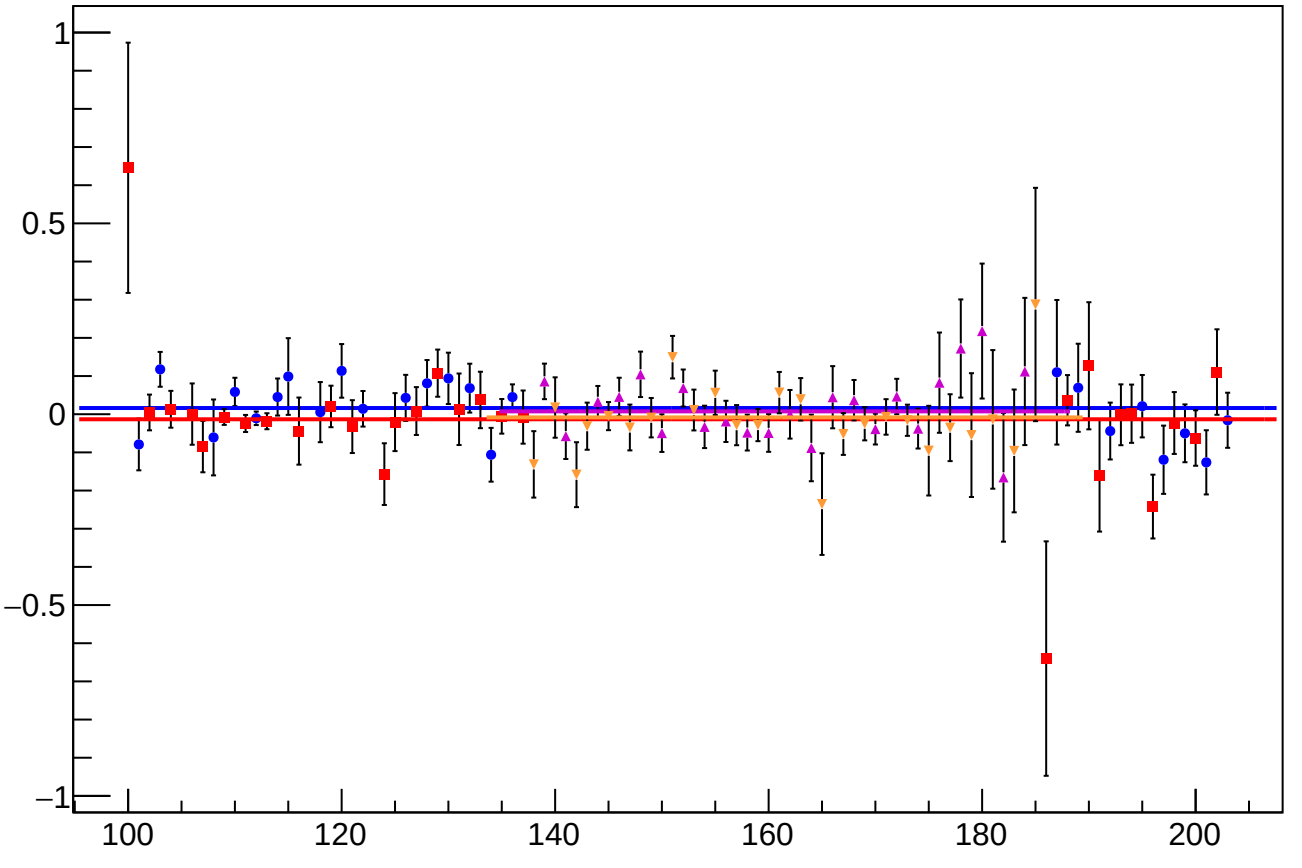
Right: 0.000+/-0.000 χ^2/NDF: 56.2/52

In: 0.000+/-0.000 χ^2/NDF:59.4/46

Out: -0.000+/-0.000 χ^2/NDF:100.4/53

All: 0.000+/-0.000 χ^2/NDF: 160.5/100


asym_sam_48_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected
0.025
0.02
0.015
0.01
0.005
0
100
120
140
160
180
200
Right In: 0.003+/-0.000 χ²/NDF: 4057878.6/23
Left Out: 0.001+/-0.000 χ²/NDF:17608951.7/24
Right Out: 0.002+/-0.000 χ²/NDF: 7507196.7/28
Left In: 0.002+/-0.000 χ²/NDF:4362371.5/22
Left: 0.001+/-0.000 χ²/NDF: 27882769.2/47
Right: 0.002+/-0.000 χ²/NDF: 11869278.0/52
In: 0.002+/-0.000 χ²/NDF:9335315.0/46
Out: 0.001+/-0.000 χ²/NDF:30554489.7/53
All: 0.001+/-0.000 χ²/NDF: 47444815.2/100



Right In: 0.016+/-0.010 χ^2/NDF: 28.4/23

Left Out: -0.008+/-0.012 χ^2/NDF:23.2/24

Right Out: -0.013+/-0.009 χ^2/NDF: 30.0/28

Left In: 0.007+/-0.012 χ^2/NDF:23.2/22

Left: -0.000+/-0.008 χ^2/NDF: 47.3/47

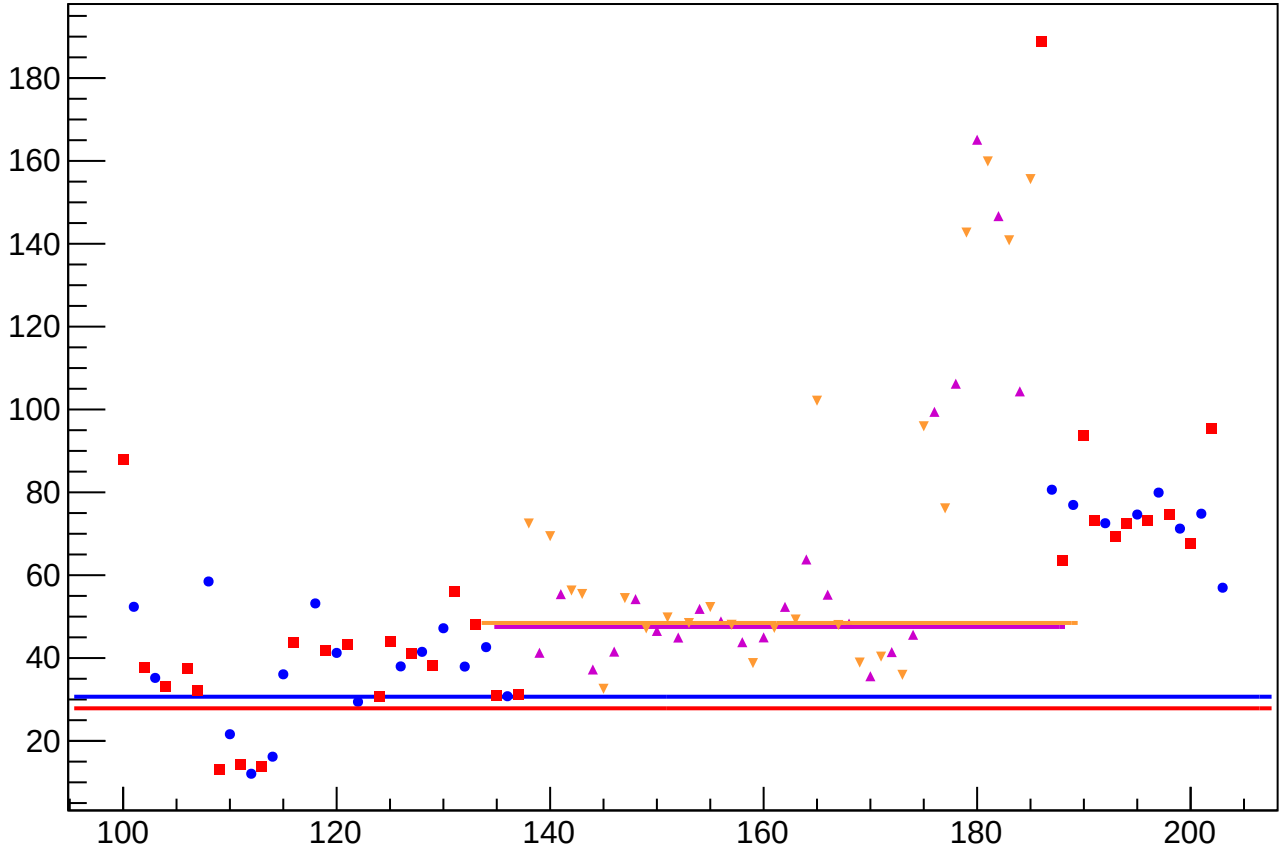
Right: -0.000+/-0.007 χ^2/NDF: 62.9/52

In: 0.012+/-0.008 χ^2/NDF:51.9/46

Out: -0.011+/-0.007 χ^2/NDF:53.3/53

All: -0.000+/-0.005 χ^2/NDF: 110.2/100

asym_sam_48_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 30.665+/-0.007 χ^2/NDF: 7060767.6/23

Left Out: 48.471+/-0.008 χ^2/NDF:4373775.4/24

Right Out: 27.868+/-0.007 χ^2/NDF: 9169375.2/28

Left In: 47.505+/-0.009 χ^2/NDF:3075116.0/22

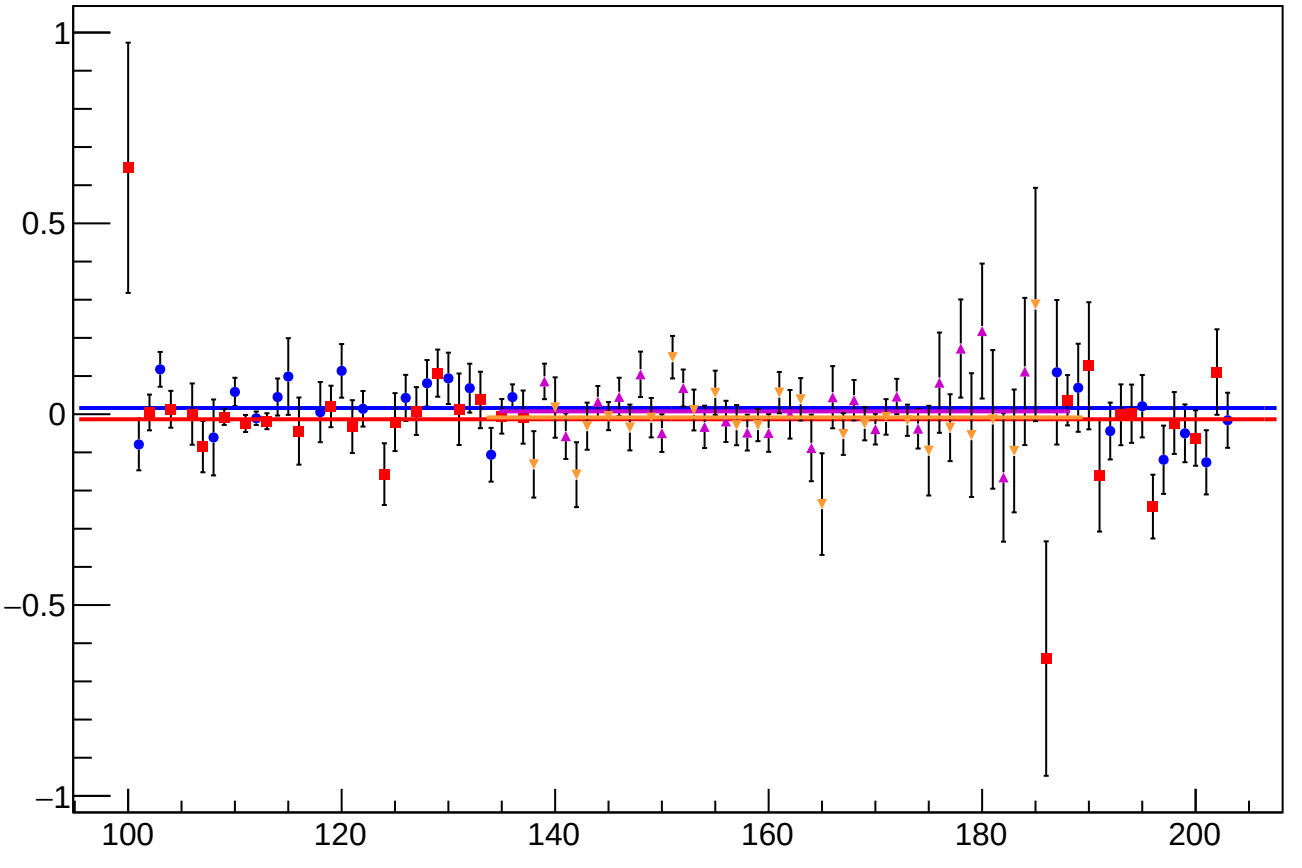
Left: 47.989+/-0.006 χ^2/NDF: 7455357.0/47

Right: 29.106+/-0.005 χ^2/NDF: 16310681.0/52

In: 37.874+/-0.006 χ^2/NDF:12376417.3/46

Out: 35.567+/-0.005 χ^2/NDF:17231522.0/53

All: 36.640+/-0.004 χ^2/NDF: 29699861.8/100



Right In: 0.016+/-0.010 χ^2/NDF: 28.4/23

Left Out: -0.008+/-0.012 χ^2/NDF:23.2/24

Right Out: -0.013+/-0.009 χ^2/NDF: 30.0/28

Left In: 0.007+/-0.012 χ^2/NDF:23.2/22

Left: -0.000+/-0.008 χ^2/NDF: 47.3/47

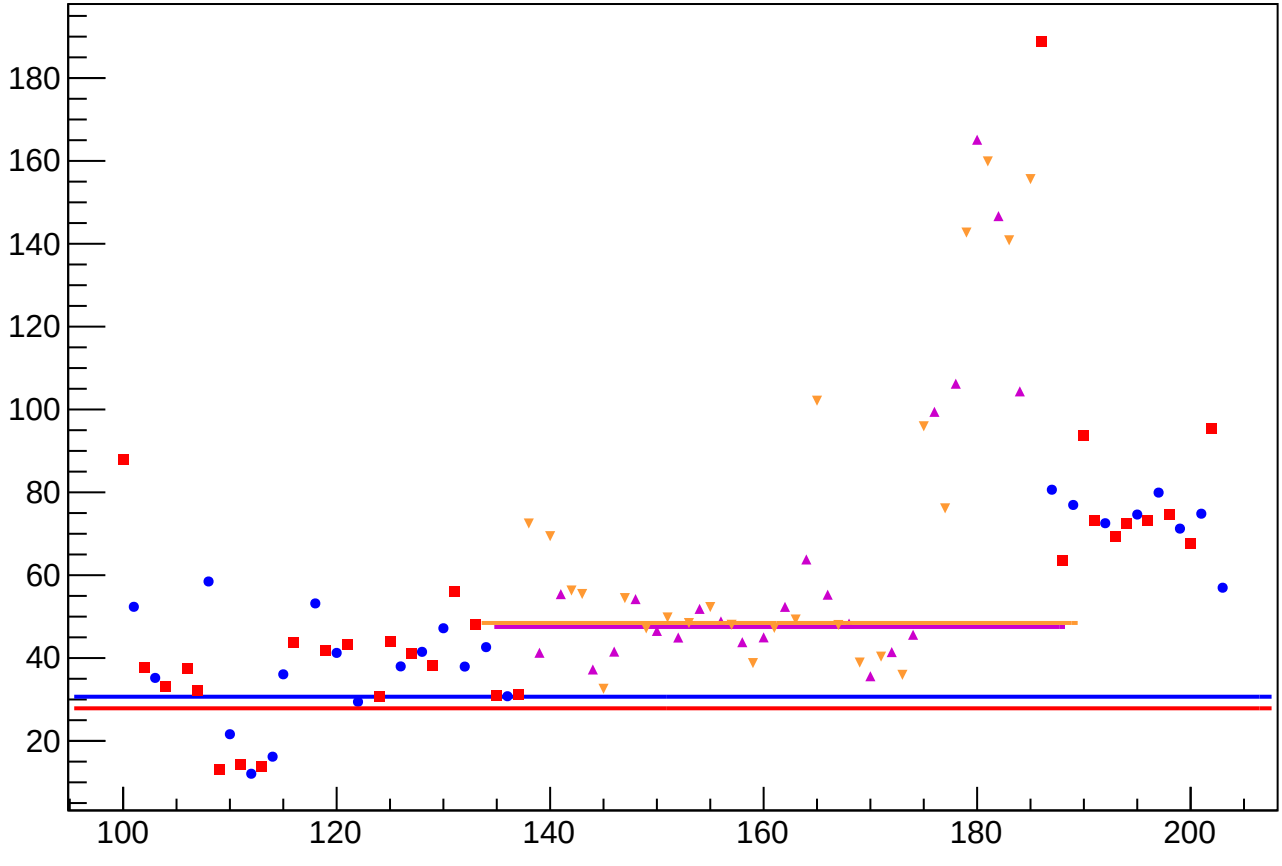
Right: -0.000+/-0.007 χ^2/NDF: 62.9/52

In: 0.012+/-0.008 χ^2/NDF:51.9/46

Out: -0.011+/-0.007 χ^2/NDF:53.3/53

All: -0.000+/-0.005 χ^2/NDF: 110.2/100

asym_sam_48_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 30.665+/-0.007 χ^2/NDF: 7060767.6/23

Left Out: 48.471+/-0.008 χ^2/NDF:4373775.4/24

Right Out: 27.868+/-0.007 χ^2/NDF: 9169375.2/28

Left In: 47.505+/-0.009 χ^2/NDF:3075116.0/22

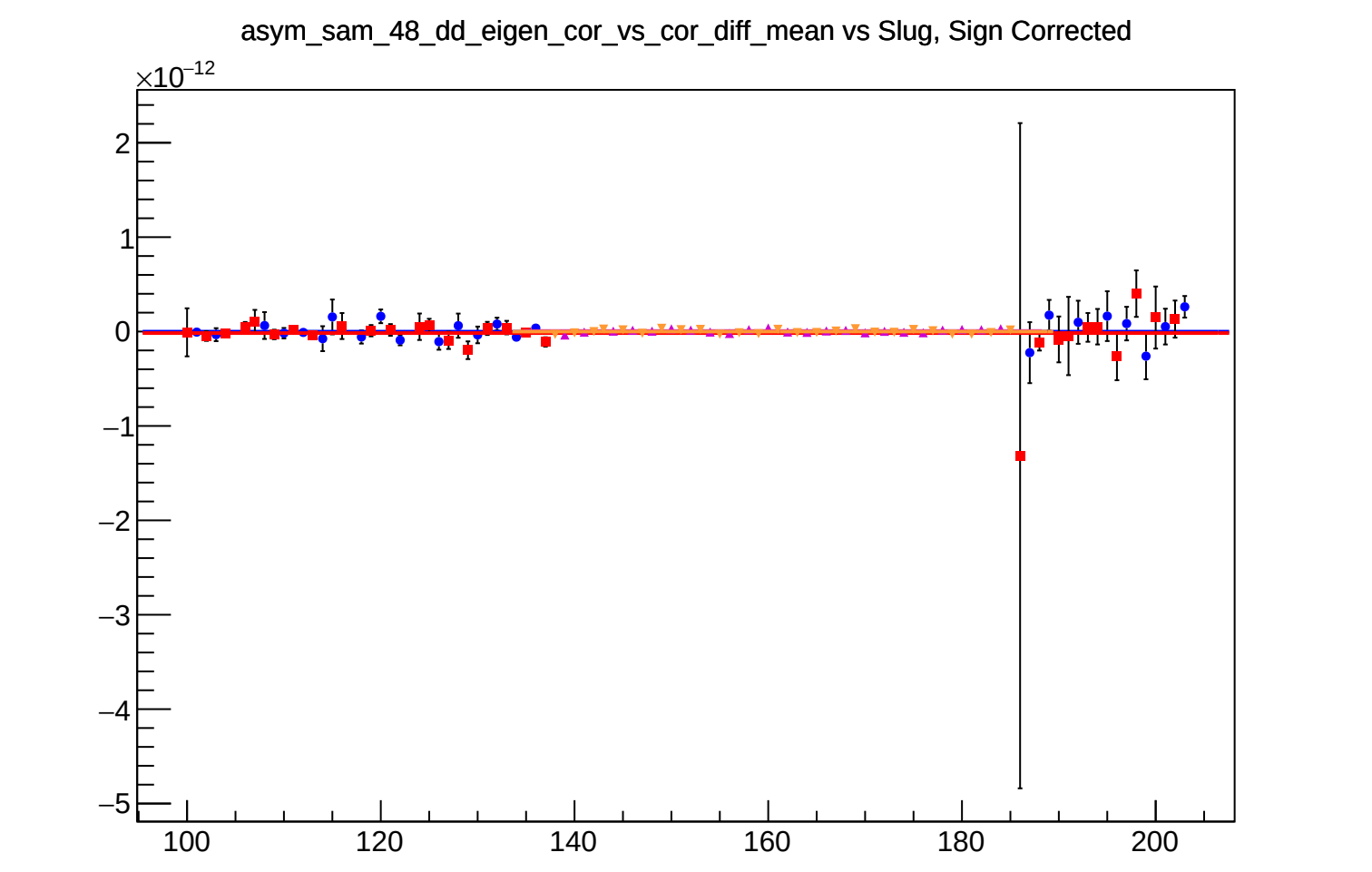
Left: 47.989+/-0.006 χ^2/NDF: 7455357.0/47

Right: 29.106+/-0.005 χ^2/NDF: 16310681.0/52

In: 37.874+/-0.006 χ^2/NDF:12376417.3/46

Out: 35.567+/-0.005 χ^2/NDF:17231522.0/53

All: 36.640+/-0.004 χ^2/NDF: 29699861.8/100



Right In: -0.000+/-0.000 χ^2/NDF: 27.9/23

Left Out: 0.000+/-0.000 χ^2/NDF:31.4/24

Right Out: -0.000+/-0.000 χ^2/NDF: 21.3/28

Left In: 0.000+/-0.000 χ^2/NDF:19.1/22

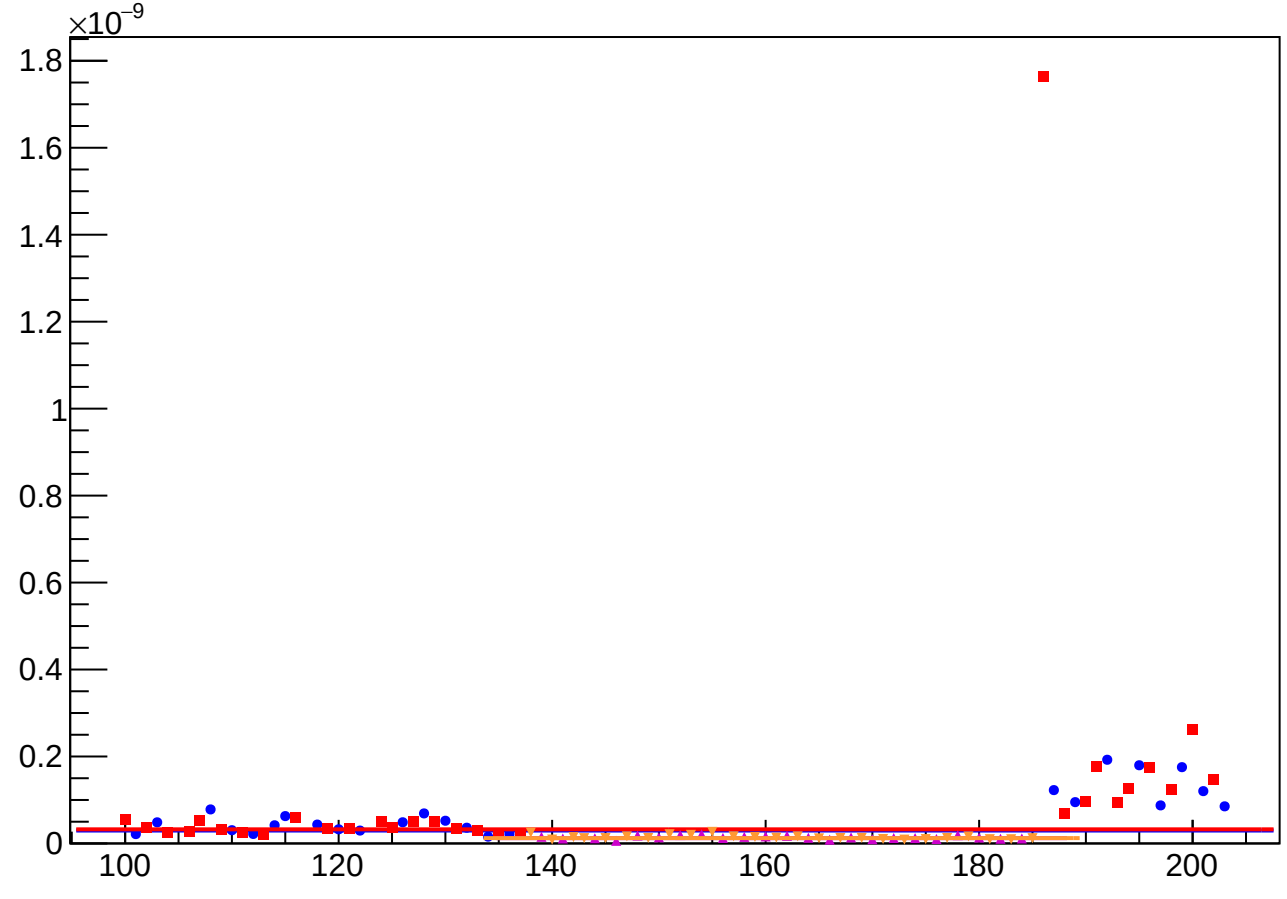
Left: 0.000+/-0.000 χ^2/NDF: 51.7/47

Right: -0.000+/-0.000 χ^2/NDF: 49.9/52

In: 0.000+/-0.000 χ^2/NDF:47.3/46

Out: -0.000+/-0.000 χ^2/NDF:54.1/53

All: 0.000+/-0.000 χ^2/NDF: 103.0/100



Right In: 0.000+/-0.000 χ^2/NDF: 5828467.4/23

Left Out: 0.000+/-0.000 χ^2/NDF:1915201.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 5625605.9/28

Left In: 0.000+/-0.000 χ^2/NDF:1925839.7/22

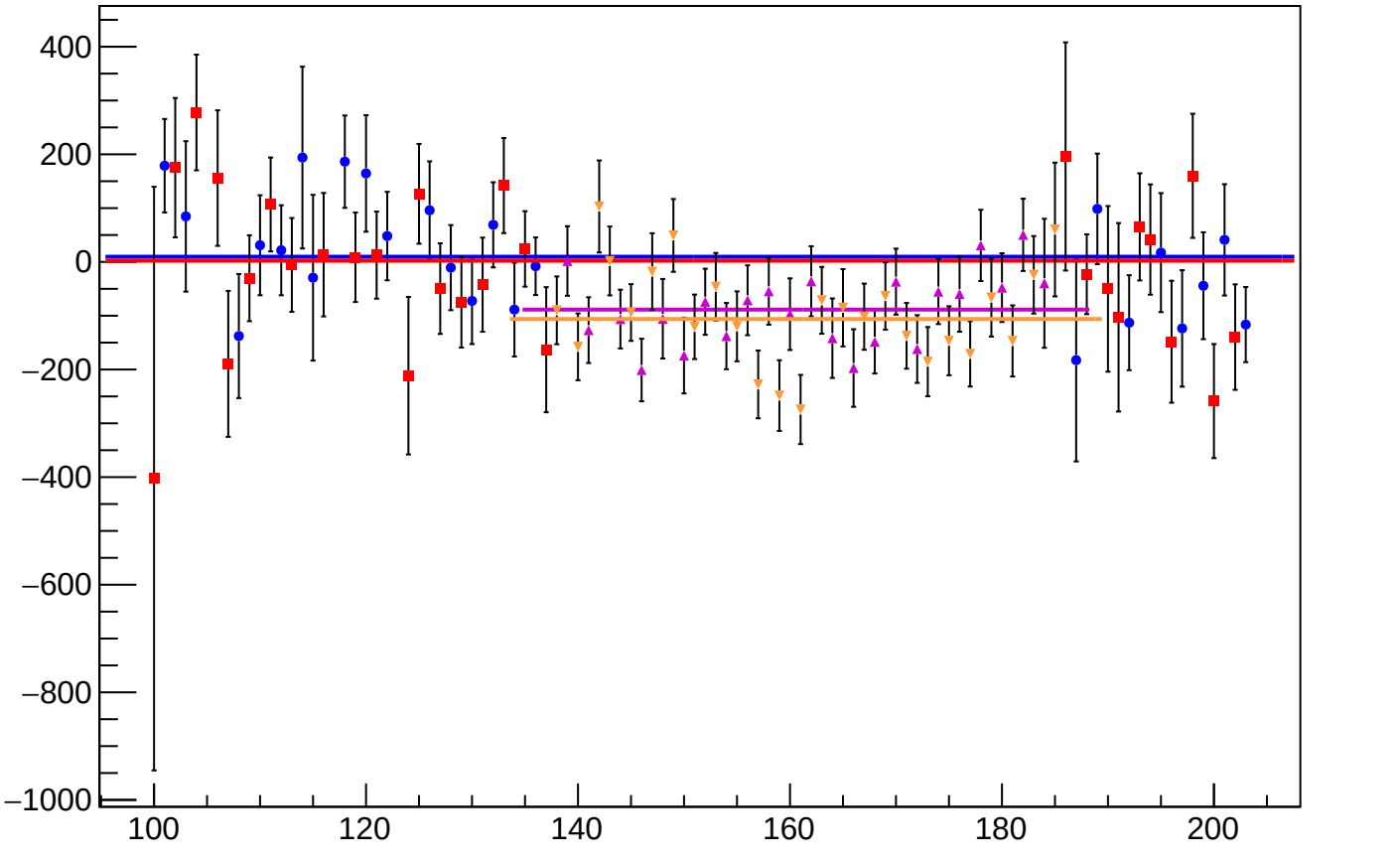
Left: 0.000+/-0.000 χ^2/NDF: 3841224.4/47

Right: 0.000+/-0.000 χ^2/NDF: 11500270.2/52

In: 0.000+/-0.000 χ^2/NDF:11389282.6/46

Out: 0.000+/-0.000 χ^2/NDF:12068668.4/53

All: 0.000+/-0.000 χ^2/NDF: 23458341.8/100



Right In: 9.622+/-18.701 χ^2/NDF: 26.4/23

Left Out: -106.100+/-13.089 χ^2/NDF:40.7/24

Right Out: 2.212+/-18.693 χ^2/NDF: 37.8/28

Left In: -88.619+/-13.566 χ^2/NDF:23.9/22

Left: -97.672+/-9.420 χ^2/NDF: 65.4/47

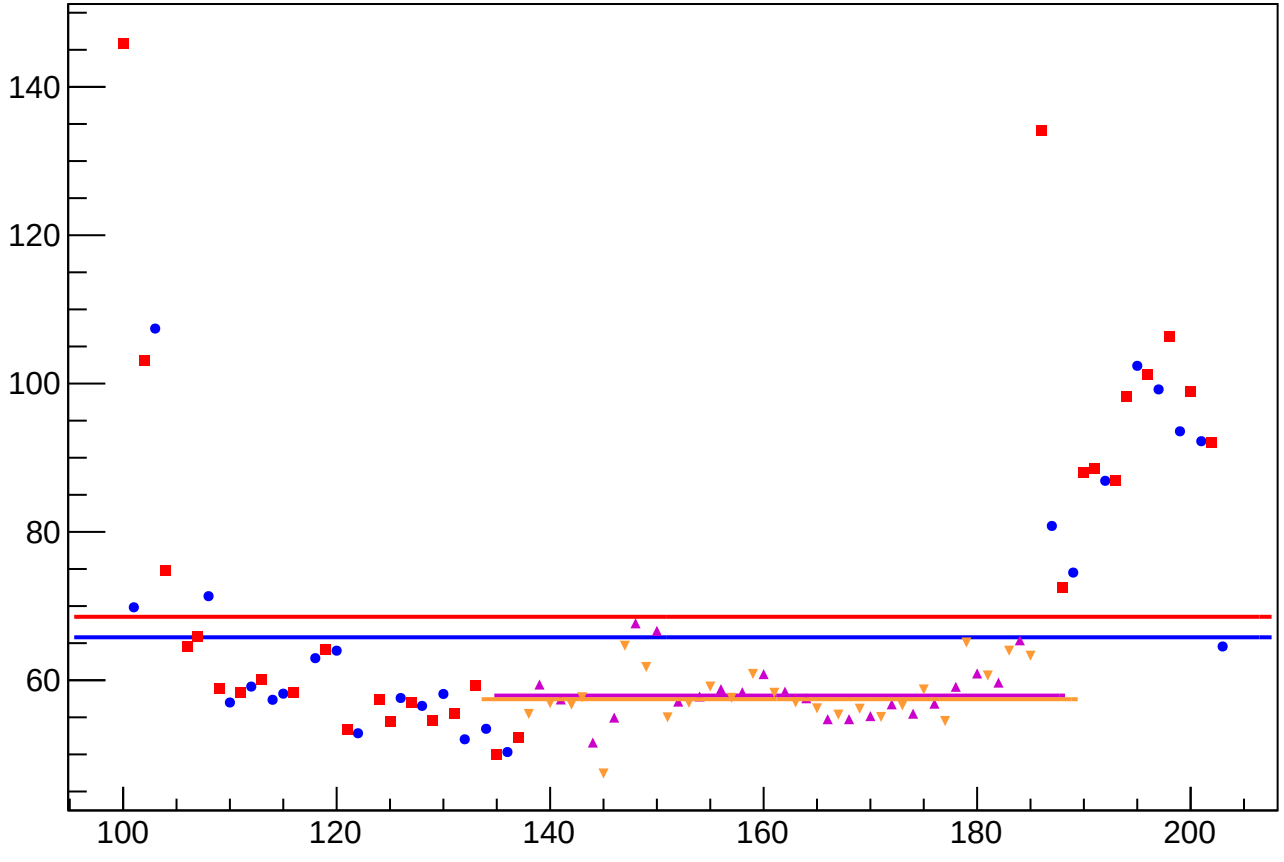
Right: 5.915+/-13.221 χ^2/NDF: 64.3/52

In: -54.747+/-10.981 χ^2/NDF:68.4/46

Out: -70.467+/-10.722 χ^2/NDF:101.0/53

All: -62.794+/-7.672 χ^2/NDF: 170.5/100

reg_asym_sam_13_57_dd_rms vs Slug, Sign Corrected



Right In: 65.791+/-0.013 χ^2/NDF: 1447289.5/23

Left Out: 57.440+/-0.009 χ^2/NDF:174555.9/24

Right Out: 68.554+/-0.013 χ^2/NDF: 1907923.1/28

Left In: 57.933+/-0.010 χ^2/NDF:135903.0/22

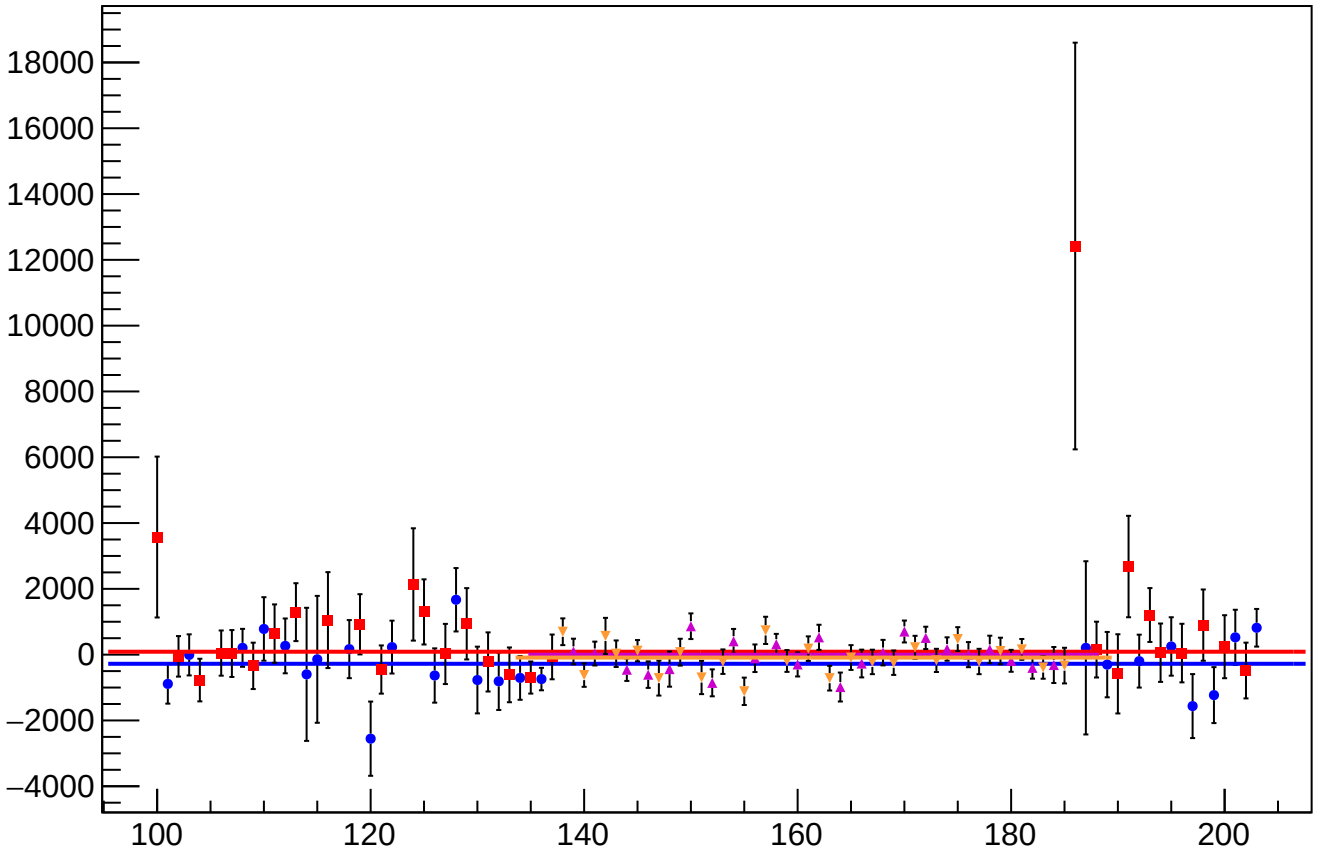
Left: 57.678+/-0.007 χ^2/NDF: 311823.9/47

Right: 67.173+/-0.009 χ^2/NDF: 3377050.5/52

In: 60.642+/-0.008 χ^2/NDF:1814548.7/46

Out: 61.096+/-0.008 χ^2/NDF:2556803.5/53

All: 60.875+/-0.005 χ^2/NDF: 4373104.6/100



Right In: -277.771+/-155.139 χ^2/NDF: 23.4/23

Left Out: -89.059+/-77.011 χ^2/NDF:29.9/24

Right Out: 88.951+/-158.670 χ^2/NDF: 25.3/28

Left In: -3.046+/-79.193 χ^2/NDF:33.6/22

Left: -47.253+/-55.210 χ^2/NDF: 64.1/47

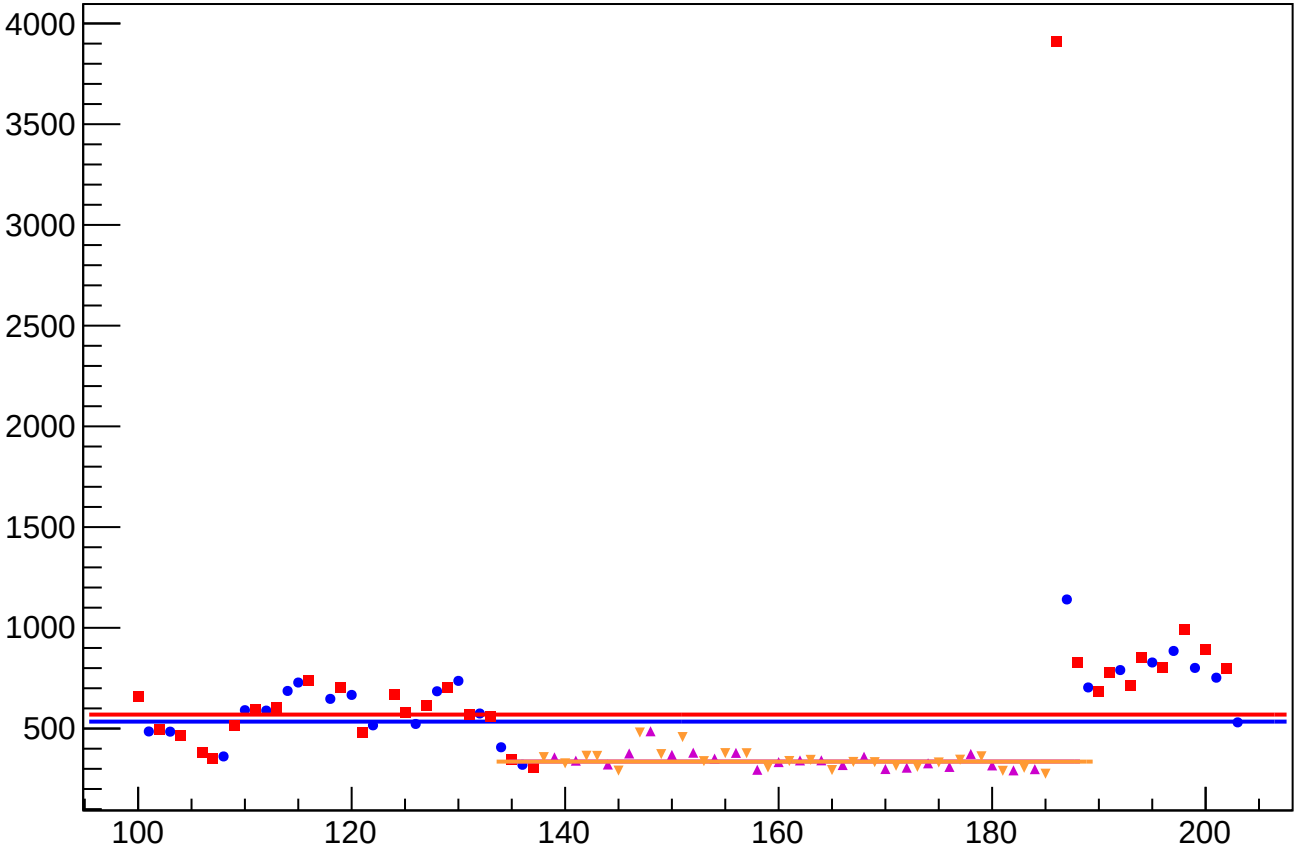
Right: -98.536+/-110.927 χ^2/NDF: 51.5/52

In: -59.835+/-70.535 χ^2/NDF:59.5/46

Out: -55.120+/-69.282 χ^2/NDF:56.3/53

All: -57.435+/-49.427 χ^2/NDF: 115.8/100

asym_sam_13_57_dd_reg_correction_rms vs Slug, Sign Corrected



Right In: 534.444+/-0.110 χ^2/NDF: 2486134.6/23

Left Out: 335.894+/-0.054 χ^2/NDF:533835.0/24

Right Out: 569.308+/-0.112 χ^2/NDF: 3202755.9/28

Left In: 336.343+/-0.056 χ^2/NDF:414202.1/22

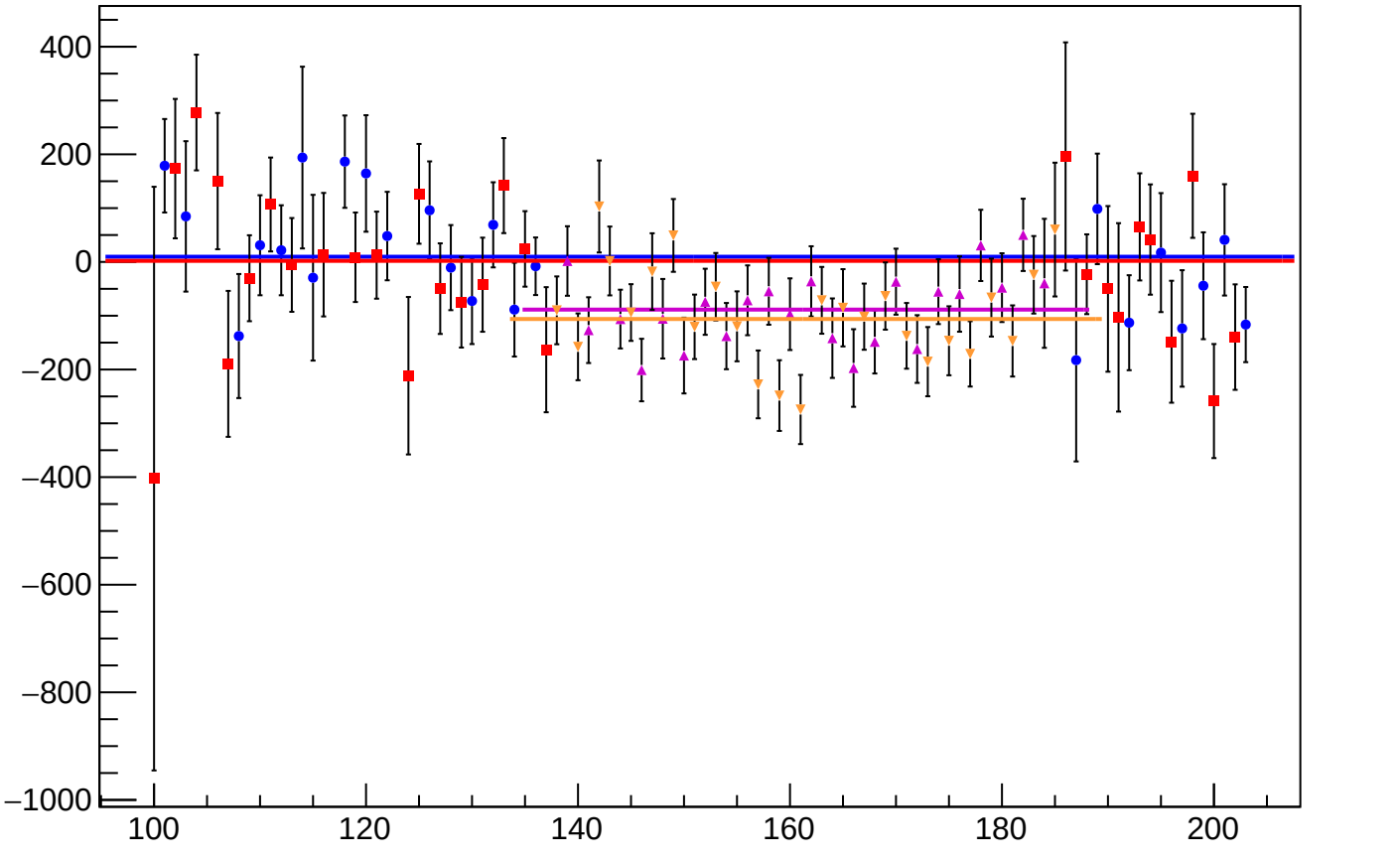
Left: 336.112+/-0.039 χ^2/NDF: 948070.1/47

Right: 551.484+/-0.078 χ^2/NDF: 5738255.4/52

In: 377.293+/-0.050 χ^2/NDF:5487314.5/46

Out: 380.396+/-0.049 χ^2/NDF:7239485.9/53

All: 378.872+/-0.035 χ^2/NDF: 12728770.6/10



Right In: 9.619+/-18.701 χ^2/NDF: 26.4/23

Left Out: -106.099+/-13.089 χ^2/NDF:40.7/24

Right Out: 2.011+/-18.696 χ^2/NDF: 37.7/28

Left In: -88.621+/-13.566 χ^2/NDF:23.9/22

Left: -97.673+/-9.420 χ^2/NDF: 65.4/47

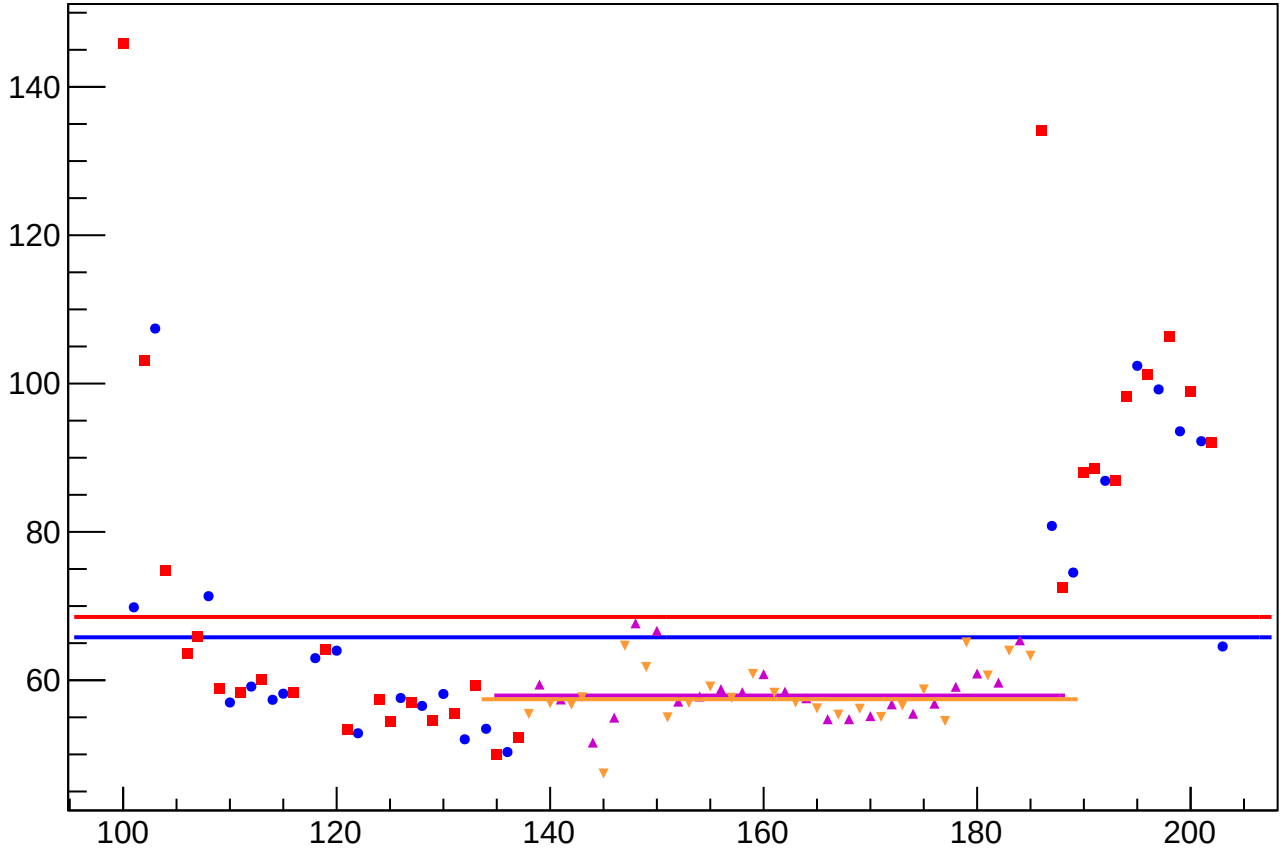
Right: 5.814+/-13.222 χ^2/NDF: 64.1/52

In: -54.749+/-10.981 χ^2/NDF:68.4/46

Out: -70.539+/-10.722 χ^2/NDF:100.8/53

All: -62.832+/-7.672 χ^2/NDF: 170.2/100

cor_asym_sam_13_57_dd_rms vs Slug, Sign Corrected



Right In: 65.791+/-0.013 χ^2/NDF: 1447291.5/23

Left Out: 57.440+/-0.009 χ^2/NDF:174555.9/24

Right Out: 68.533+/-0.013 χ^2/NDF: 1909206.1/28

Left In: 57.933+/-0.010 χ^2/NDF:135903.0/22

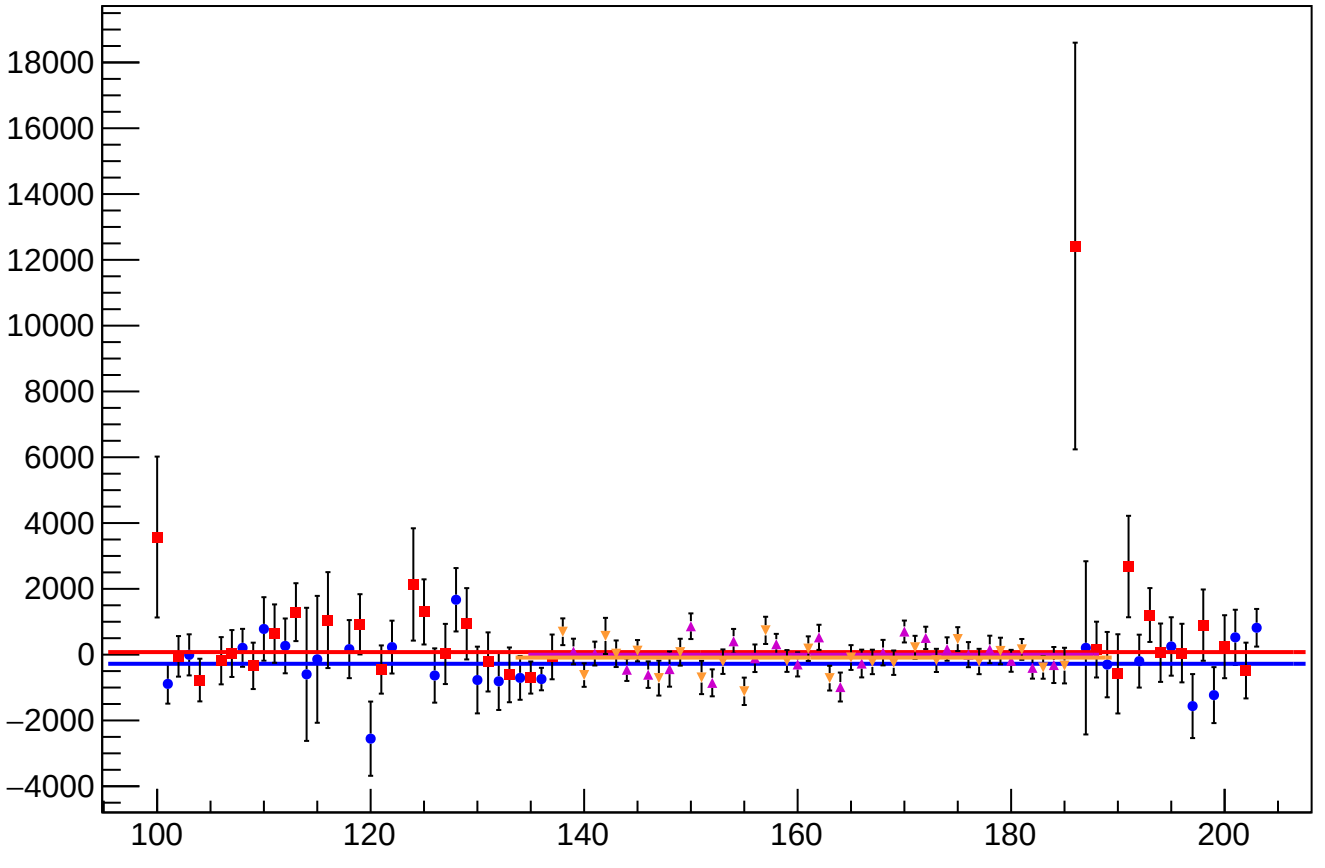
Left: 57.678+/-0.007 χ^2/NDF: 311823.9/47

Right: 67.162+/-0.009 χ^2/NDF: 3378013.0/52

In: 60.642+/-0.008 χ^2/NDF:1814550.7/46

Out: 61.089+/-0.008 χ^2/NDF:2556273.1/53

All: 60.871+/-0.005 χ^2/NDF: 4372520.2/100



Right In: -277.744+/-155.140 χ^2/NDF: 23.4/23

Left Out: -89.061+/-77.011 χ^2/NDF:29.9/24

Right Out: 77.732+/-159.037 χ^2/NDF: 25.5/28

Left In: -3.047+/-79.193 χ^2/NDF:33.6/22

Left: -47.256+/-55.210 χ^2/NDF: 64.1/47

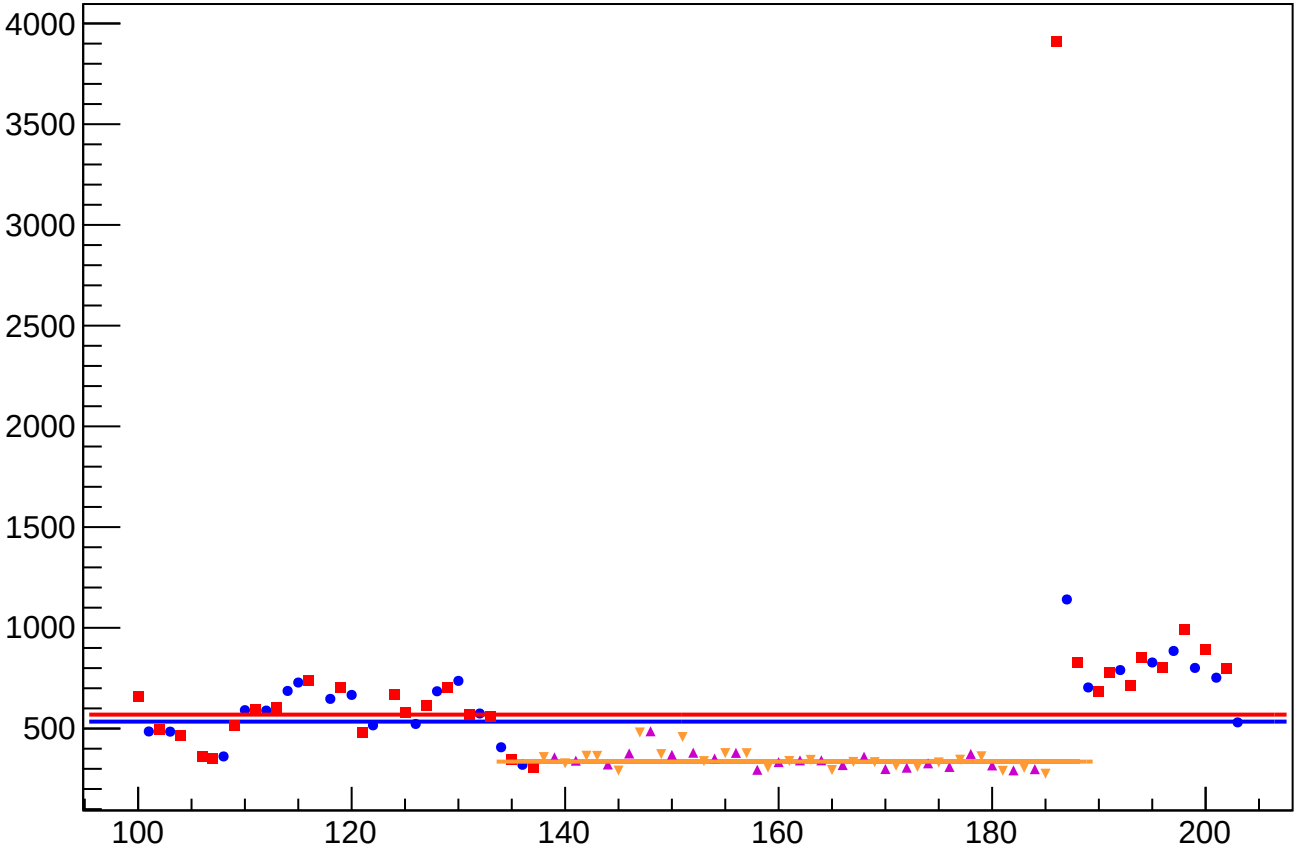
Right: -104.415+/-111.053 χ^2/NDF: 51.5/52

In: -59.830+/-70.535 χ^2/NDF:59.5/46

Out: -57.380+/-69.312 χ^2/NDF:56.3/53

All: -58.583+/-49.438 χ^2/NDF: 115.8/100

asym_sam_13_57_dd_cor_correction_rms vs Slug, Sign Corrected



Right In: 534.447+/-0.110 χ^2/NDF: 2486112.8/23

Left Out: 335.894+/-0.054 χ^2/NDF:533835.9/24

Right Out: 569.168+/-0.112 χ^2/NDF: 3221952.6/28

Left In: 336.343+/-0.056 χ^2/NDF:414205.9/22

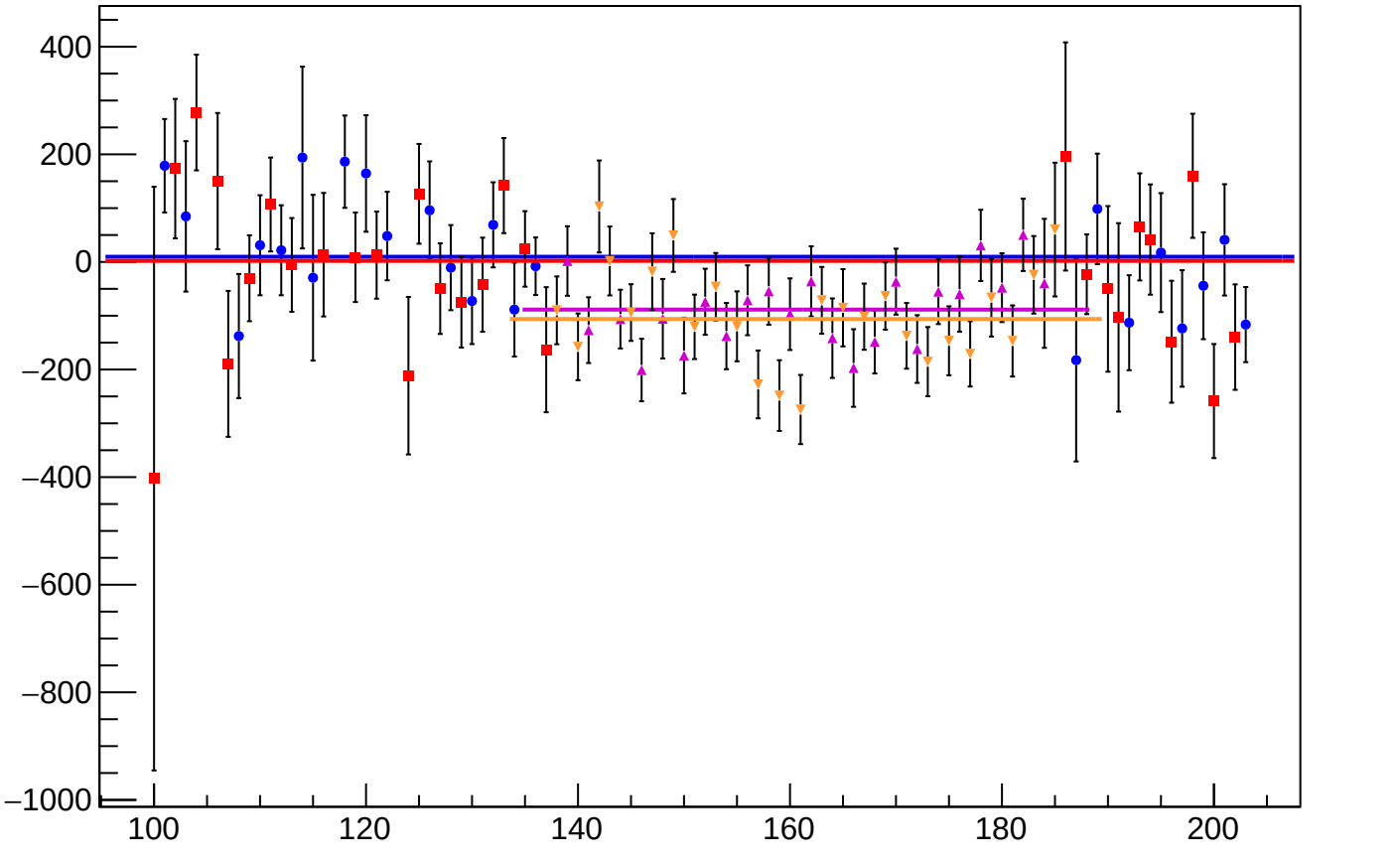
Left: 336.112+/-0.039 χ^2/NDF: 948074.8/47

Right: 551.377+/-0.079 χ^2/NDF: 5756911.7/52

In: 377.293+/-0.050 χ^2/NDF:5487346.4/46

Out: 380.203+/-0.049 χ^2/NDF:7241402.8/53

All: 378.774+/-0.035 χ^2/NDF: 12730481.1/10



Right In: 9.619+/-18.701 χ^2/NDF: 26.4/23

Left Out: -106.099+/-13.089 χ^2/NDF:40.7/24

Right Out: 2.011+/-18.696 χ^2/NDF: 37.7/28

Left In: -88.621+/-13.566 χ^2/NDF:23.9/22

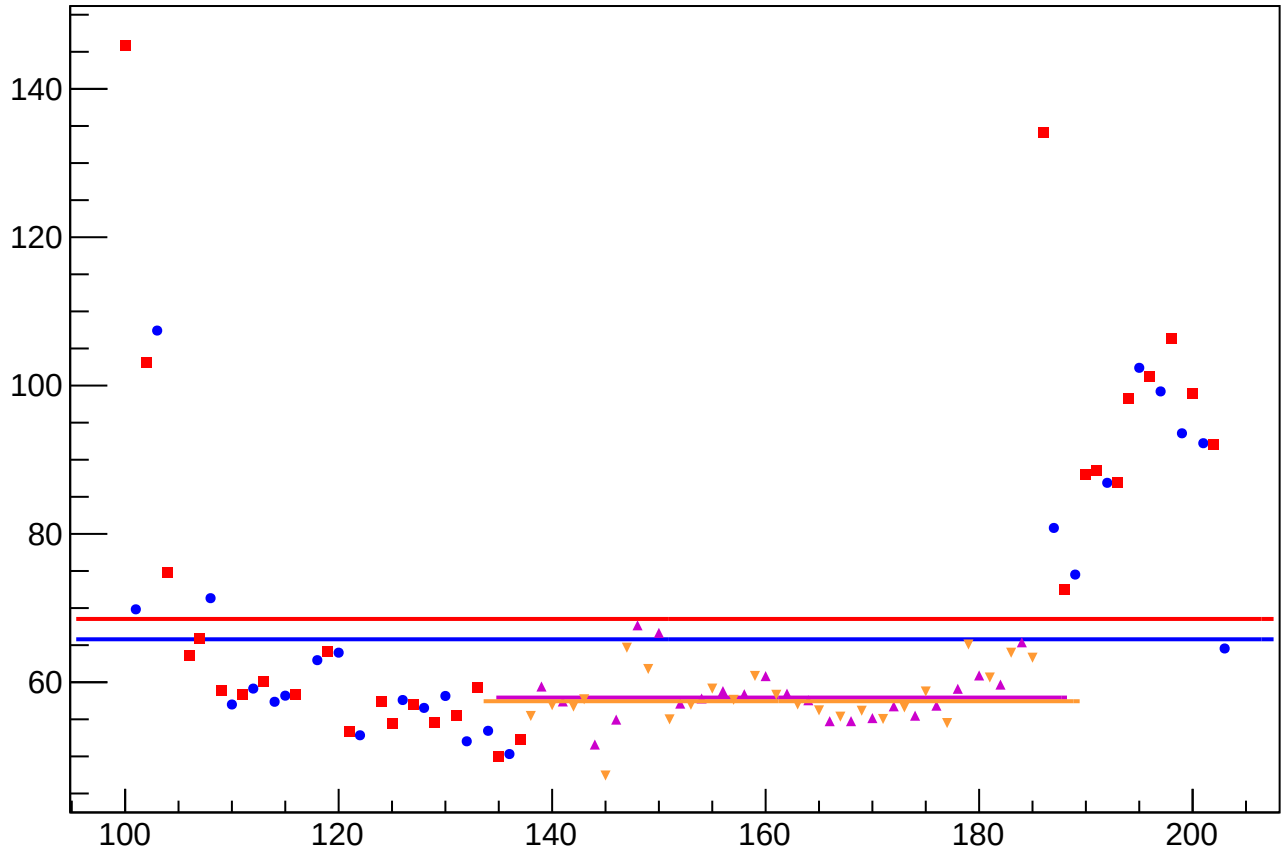
Left: -97.673+/-9.420 χ^2/NDF: 65.4/47

Right: 5.814+/-13.222 χ^2/NDF: 64.1/52

In: -54.749+/-10.981 χ^2/NDF:68.4/46

Out: -70.539+/-10.722 χ^2/NDF:100.8/53

All: -62.832+/-7.672 χ^2/NDF: 170.2/100



Right In: 65.791+/-0.013 χ^2/NDF: 1447291.5/23

Left Out: 57.440+/-0.009 χ^2/NDF:174555.9/24

Right Out: 68.533+/-0.013 χ^2/NDF: 1909206.1/28

Left In: 57.933+/-0.010 χ^2/NDF:135903.0/22

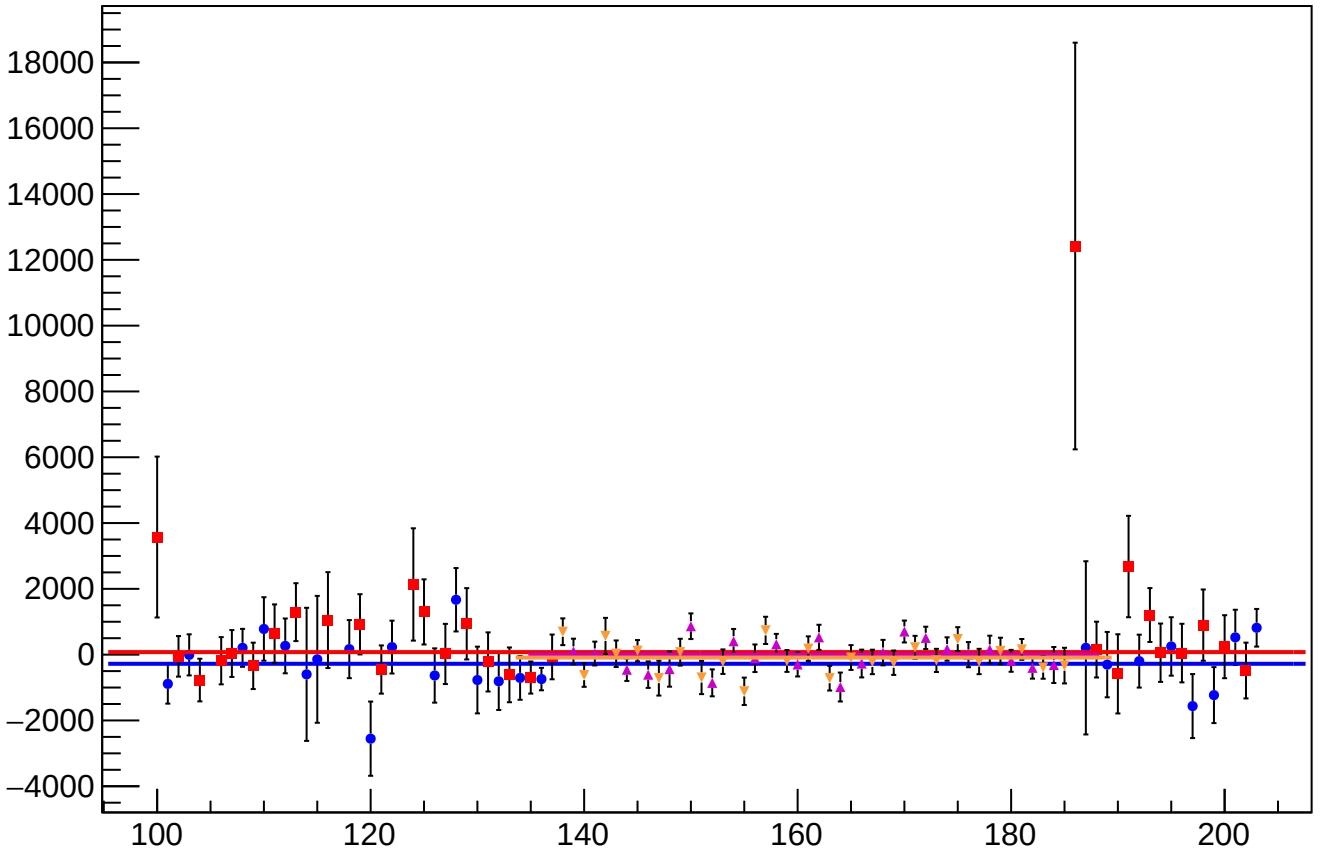
Left: 57.678+/-0.007 χ^2/NDF: 311823.9/47

Right: 67.162+/-0.009 χ^2/NDF: 3378013.0/52

In: 60.642+/-0.008 χ^2/NDF:1814550.7/46

Out: 61.089+/-0.008 χ^2/NDF:2556273.1/53

All: 60.871+/-0.005 χ^2/NDF: 4372520.2/100



Right In: -277.744+/-155.140 χ^2/NDF: 23.4/23

Left Out: -89.061+/-77.011 χ^2/NDF:29.9/24

Right Out: 77.732+/-159.037 χ^2/NDF: 25.5/28

Left In: -3.047+/-79.193 χ^2/NDF:33.6/22

Left: -47.256+/-55.210 χ^2/NDF: 64.1/47

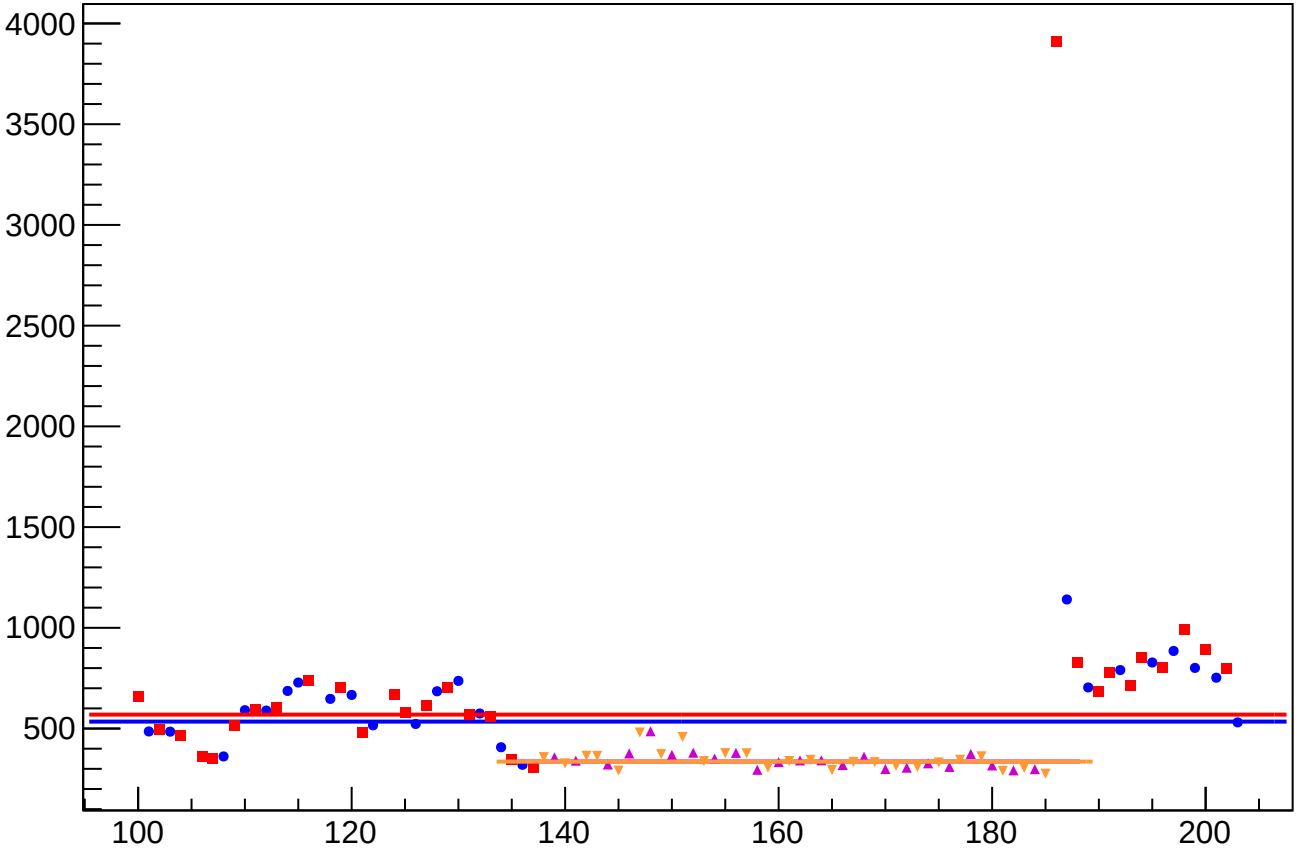
Right: -104.415+/-111.053 χ^2/NDF: 51.5/52

In: -59.830+/-70.535 χ^2/NDF:59.5/46

Out: -57.380+/-69.312 χ^2/NDF:56.3/53

All: -58.583+/-49.438 χ^2/NDF: 115.8/100

asym_sam_13_57_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 534.447+/-0.110 χ^2/NDF: 2486112.8/23

Left Out: 335.894+/-0.054 χ^2/NDF:533835.9/24

Right Out: 569.168+/-0.112 χ^2/NDF: 3221952.6/28

Left In: 336.343+/-0.056 χ^2/NDF:414205.9/22

Left: 336.112+/-0.039 χ^2/NDF: 948074.8/47

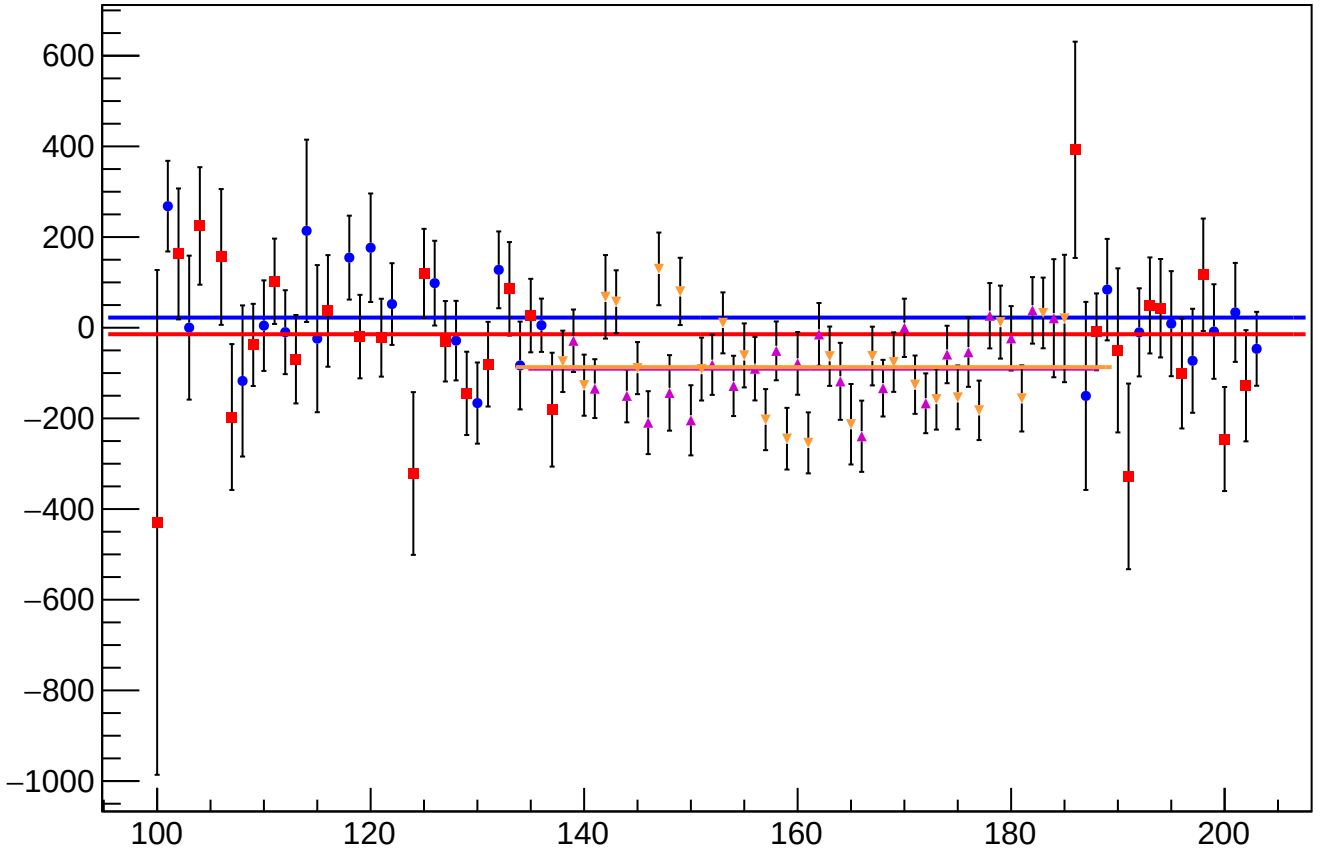
Right: 551.377+/-0.079 χ^2/NDF: 5756911.7/52

In: 377.293+/-0.050 χ^2/NDF:5487346.4/46

Out: 380.203+/-0.049 χ^2/NDF:7241402.8/53

All: 378.774+/-0.035 χ^2/NDF: 12730481.1/10

dit_asym_sam_13_57_dd_mean vs Slug, Sign Corrected



Right In: 22.369+/-20.604 χ^2/NDF: 22.6/23

Left Out: -86.957+/-14.175 χ^2/NDF:48.8/24

Right Out: -14.357+/-20.772 χ^2/NDF: 32.9/28

Left In: -90.363+/-14.656 χ^2/NDF:25.0/22

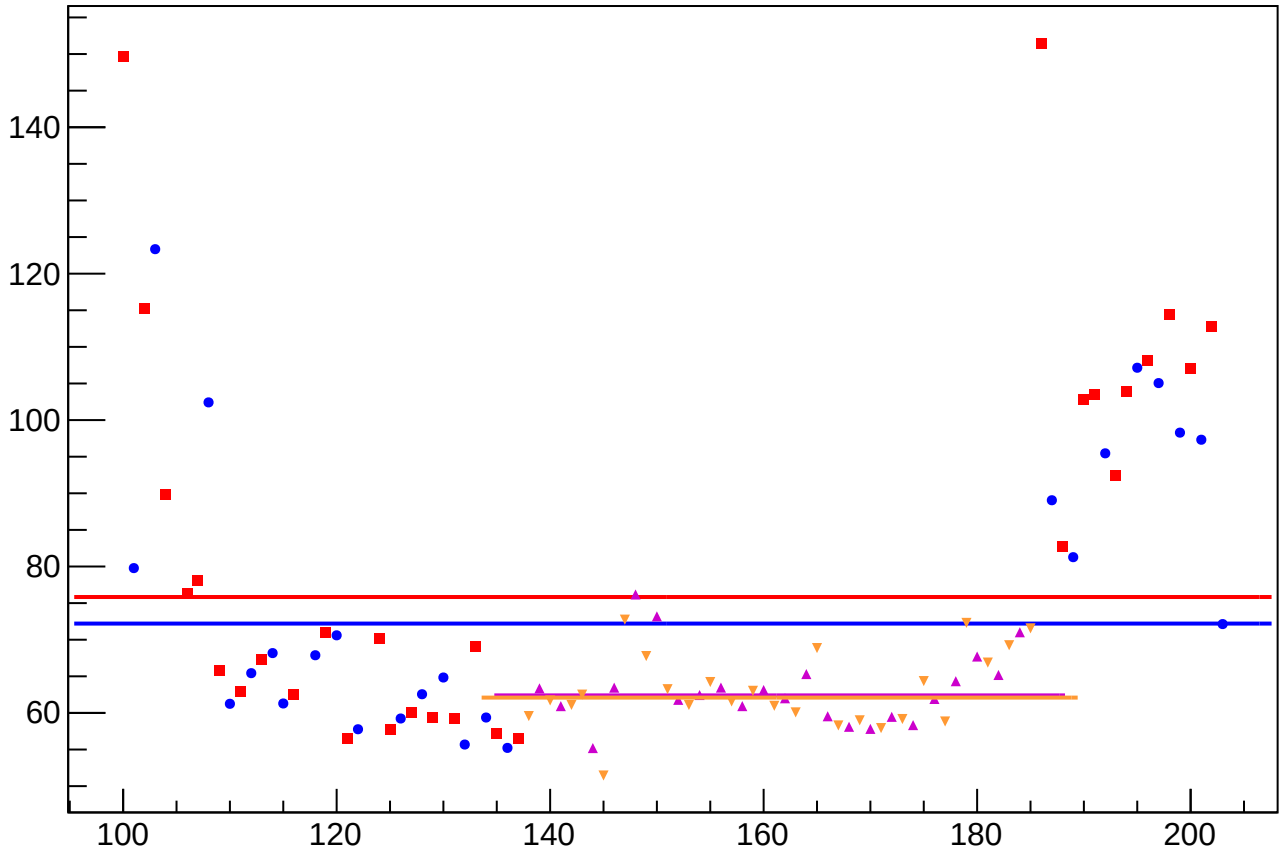
Left: -88.603+/-10.189 χ^2/NDF: 73.9/47

Right: 4.156+/-14.628 χ^2/NDF: 57.1/52

In: -52.485+/-11.943 χ^2/NDF:67.5/46

Out: -63.891+/-11.708 χ^2/NDF:90.1/53

All: -58.301+/-8.361 χ^2/NDF: 158.0/100



Right In: 72.204+/-0.015 χ^2/NDF: 1457561.2/23

Left Out: 62.093+/-0.010 χ^2/NDF:233343.0/24

Right Out: 75.833+/-0.015 χ^2/NDF: 1982210.3/28

Left In: 62.395+/-0.010 χ^2/NDF:188814.3/22

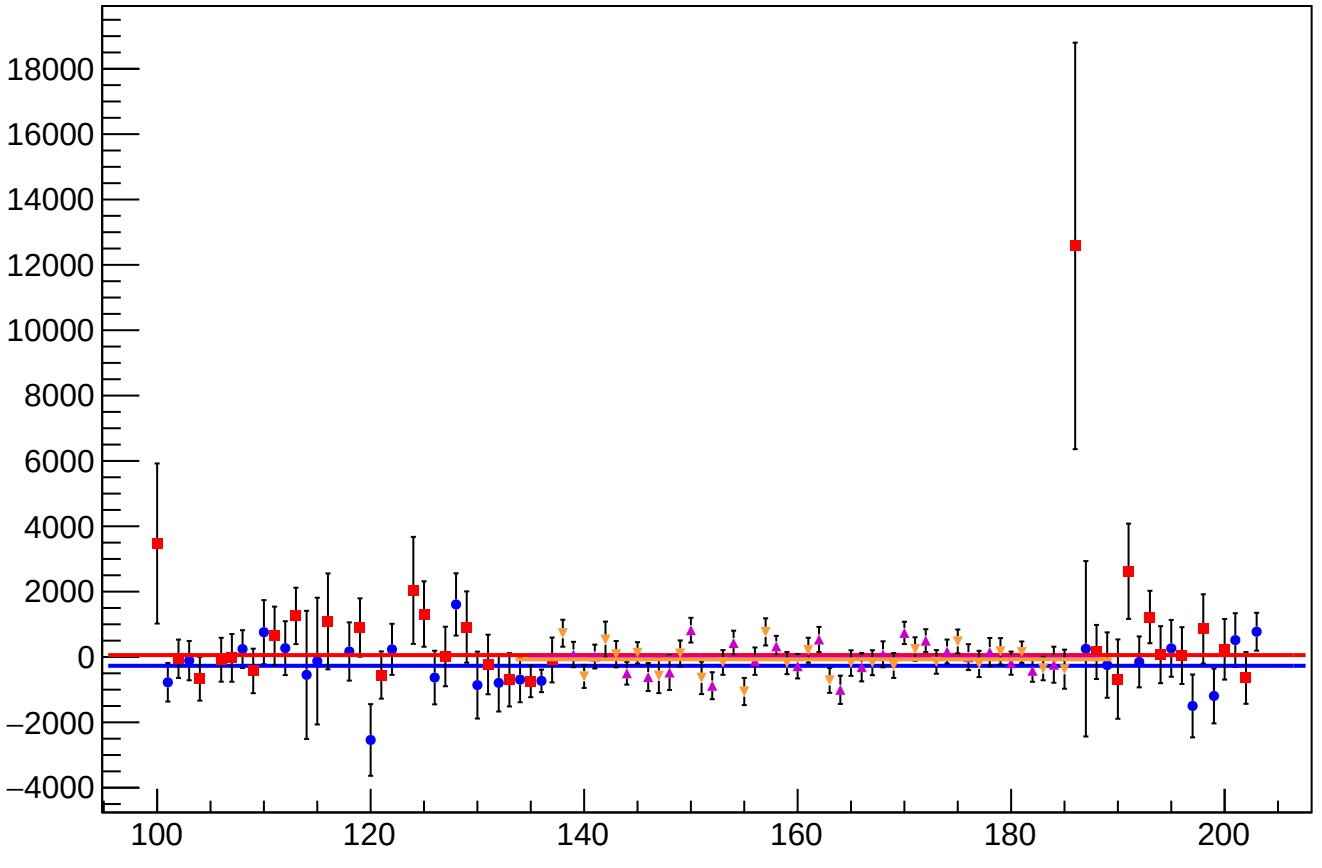
Left: 62.239+/-0.007 χ^2/NDF: 422596.0/47

Right: 74.004+/-0.010 χ^2/NDF: 3470530.7/52

In: 65.691+/-0.008 χ^2/NDF:1947388.5/46

Out: 66.458+/-0.008 χ^2/NDF:2812565.4/53

All: 66.082+/-0.006 χ^2/NDF: 4764163.6/100



Right In: -270.006+/-154.647 χ^2/NDF: 22.5/23

Left Out: -71.324+/-78.399 χ^2/NDF:28.6/24

Right Out: 58.107+/-156.534 χ^2/NDF: 26.7/28

Left In: -6.134+/-80.760 χ^2/NDF:34.0/22

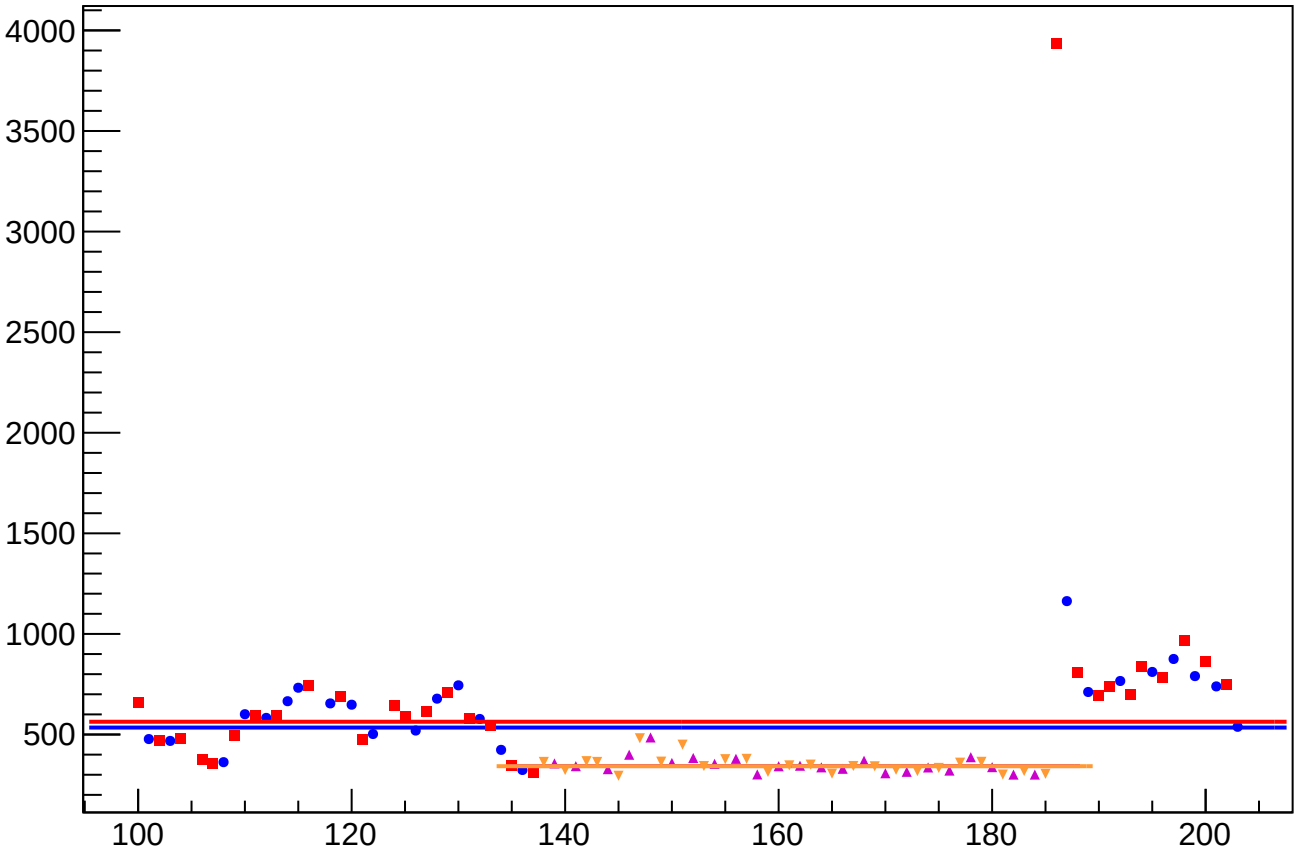
Left: -39.696+/-56.253 χ^2/NDF: 62.9/47

Right: -107.939+/-110.013 χ^2/NDF: 51.4/52

In: -62.676+/-71.586 χ^2/NDF:58.8/46

Out: -45.368+/-70.099 χ^2/NDF:55.8/53

All: -53.840+/-50.085 χ^2/NDF: 114.6/100



Right In: 534.553+/-0.109 χ^2/NDF: 2373161.1/23

Left Out: 342.502+/-0.055 χ^2/NDF:434208.3/24

Right Out: 563.461+/-0.111 χ^2/NDF: 3068908.3/28

Left In: 343.245+/-0.057 χ^2/NDF:372991.6/22

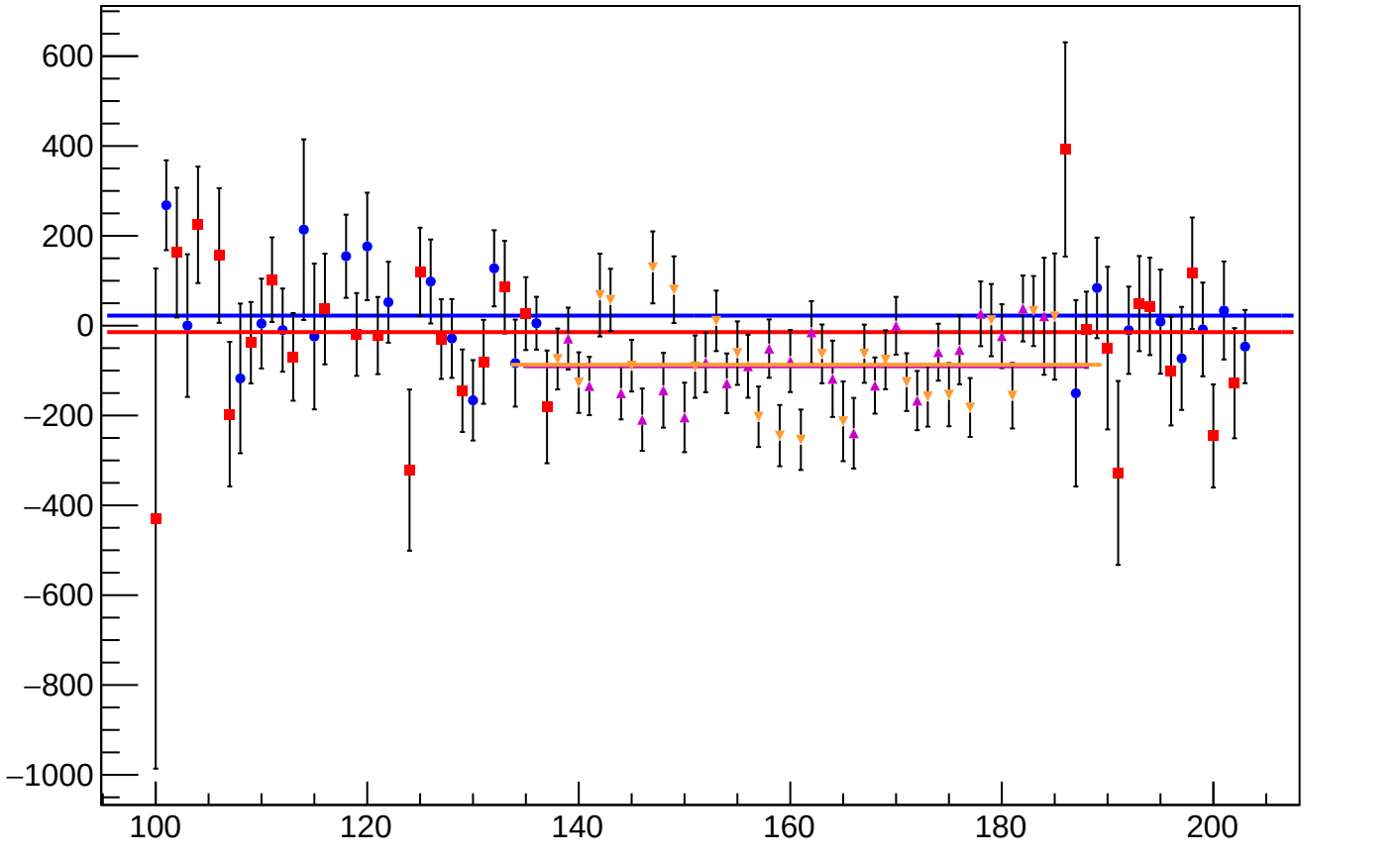
Left: 342.863+/-0.040 χ^2/NDF: 807286.9/47

Right: 548.832+/-0.078 χ^2/NDF: 5476587.7/52

In: 384.238+/-0.051 χ^2/NDF:5150977.0/46

Out: 386.814+/-0.050 χ^2/NDF:6689015.6/53

All: 385.553+/-0.035 χ^2/NDF: 11841314.6/10



Right In: 22.369+/-20.604 χ^2/NDF: 22.6/23

Left Out: -86.957+/-14.175 χ^2/NDF:48.8/24

Right Out: -14.357+/-20.772 χ^2/NDF: 32.9/28

Left In: -90.363+/-14.656 χ^2/NDF:25.0/22

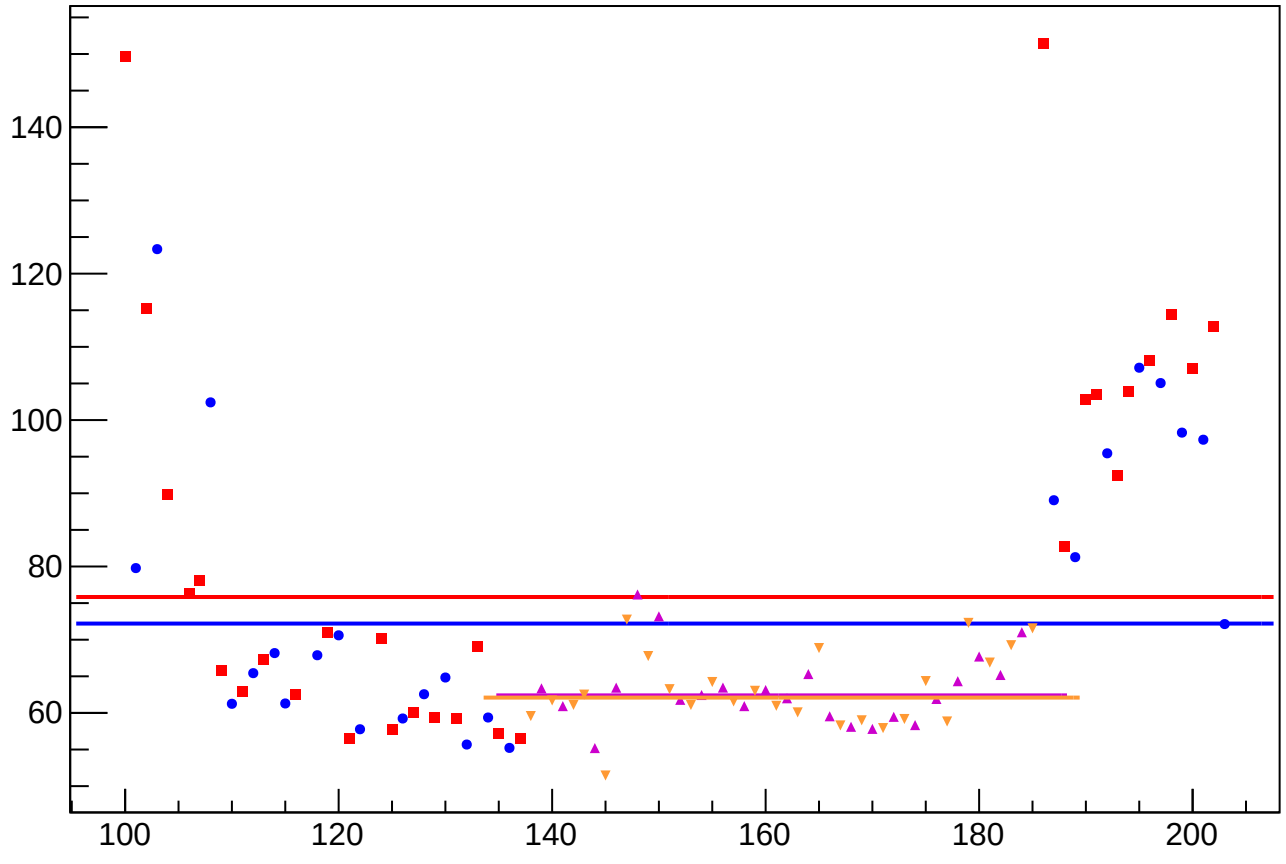
Left: -88.603+/-10.189 χ^2/NDF: 73.9/47

Right: 4.156+/-14.628 χ^2/NDF: 57.1/52

In: -52.485+/-11.943 χ^2/NDF:67.5/46

Out: -63.891+/-11.708 χ^2/NDF:90.1/53

All: -58.301+/-8.361 χ^2/NDF: 158.0/100



Right In: 72.204+/-0.015 χ^2/NDF: 1457582.7/23

Left Out: 62.093+/-0.010 χ^2/NDF:233347.2/24

Right Out: 75.833+/-0.015 χ^2/NDF: 1982212.9/28

Left In: 62.395+/-0.010 χ^2/NDF:188817.4/22

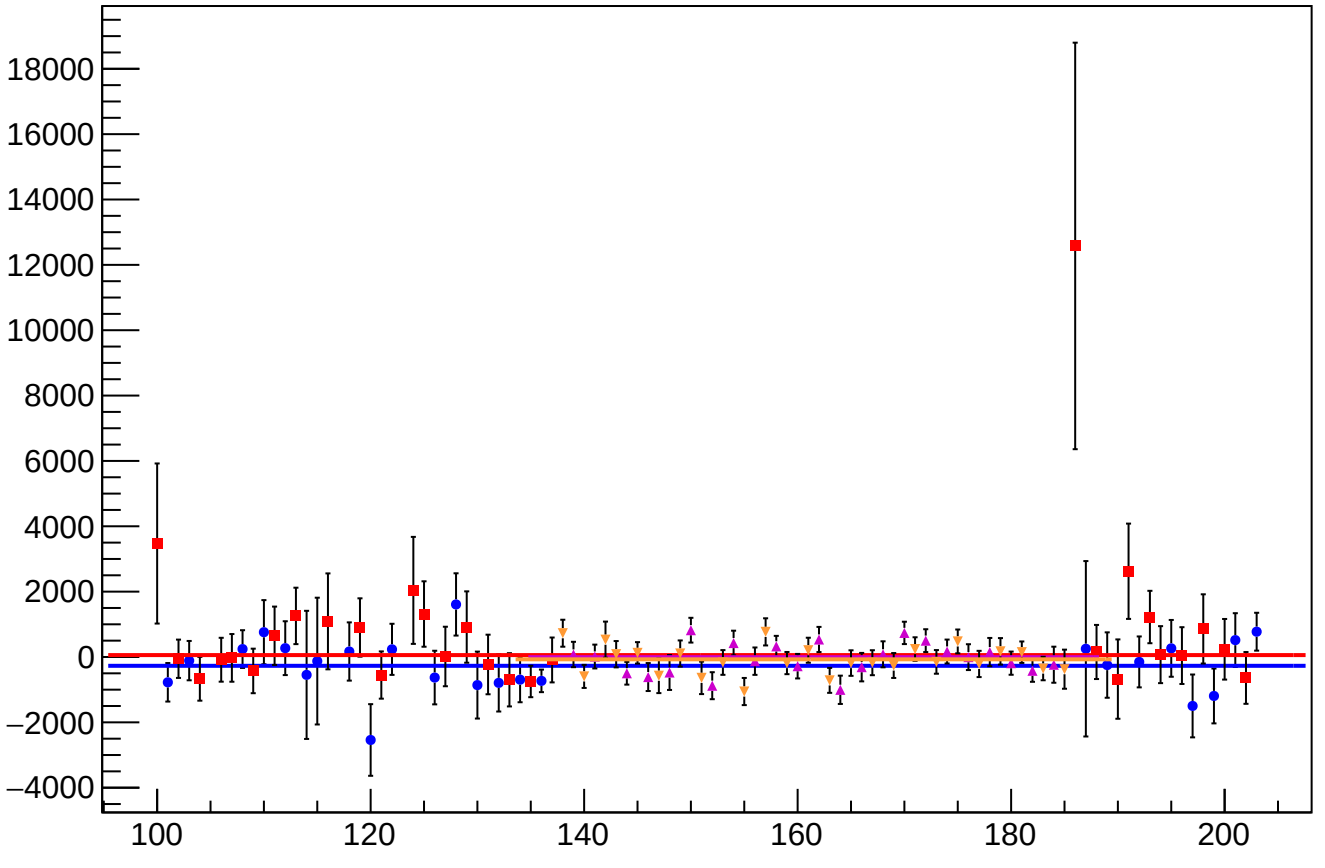
Left: 62.239+/-0.007 χ^2/NDF: 422603.3/47

Right: 74.004+/-0.010 χ^2/NDF: 3470555.1/52

In: 65.691+/-0.008 χ^2/NDF:1947406.9/46

Out: 66.458+/-0.008 χ^2/NDF:2812566.6/53

All: 66.082+/-0.006 χ^2/NDF: 4764183.1/100



Right In: -270.006+/-154.647 χ^2/NDF: 22.5/23

Left Out: -71.324+/-78.399 χ^2/NDF:28.6/24

Right Out: 58.106+/-156.534 χ^2/NDF: 26.7/28

Left In: -6.134+/-80.760 χ^2/NDF:34.0/22

Left: -39.696+/-56.253 χ^2/NDF: 62.9/47

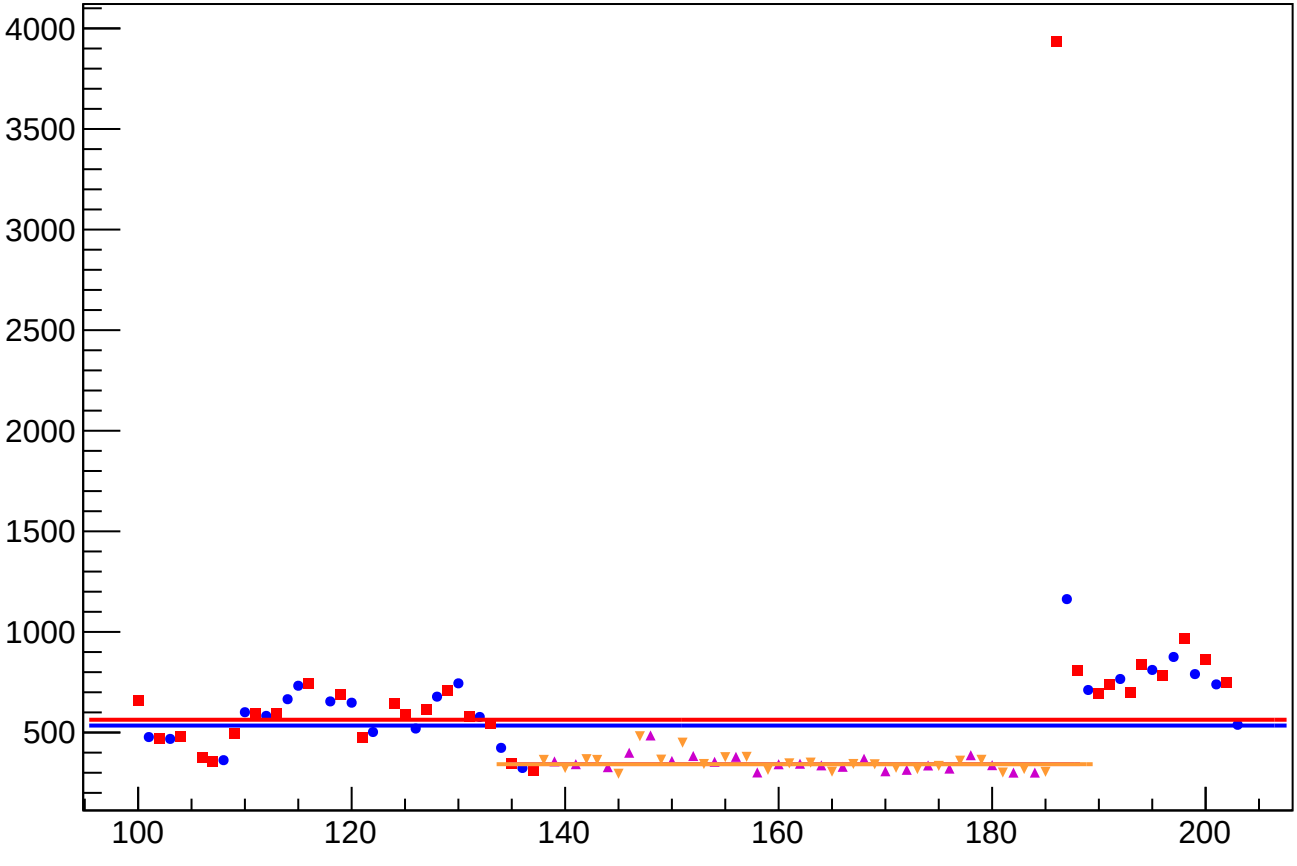
Right: -107.939+/-110.013 χ^2/NDF: 51.4/52

In: -62.676+/-71.586 χ^2/NDF:58.8/46

Out: -45.368+/-70.099 χ^2/NDF:55.8/53

All: -53.840+/-50.085 χ^2/NDF: 114.6/100

asym_sam_13_57_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 534.553+/-0.109 χ^2/NDF: 2373164.9/23

Left Out: 342.502+/-0.055 χ^2/NDF:434210.5/24

Right Out: 563.460+/-0.111 χ^2/NDF: 3068915.0/28

Left In: 343.245+/-0.057 χ^2/NDF:372993.5/22

Left: 342.863+/-0.040 χ^2/NDF: 807291.0/47

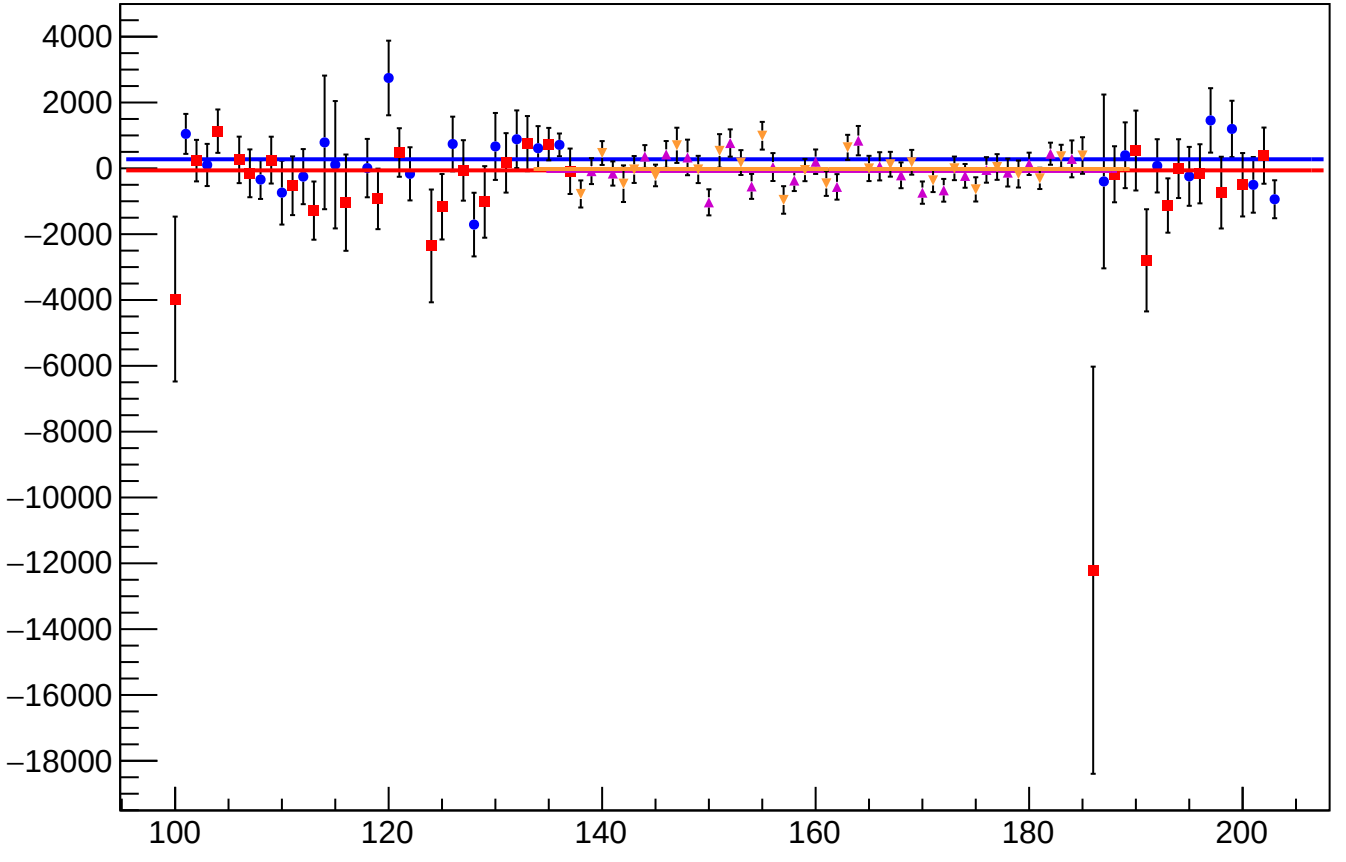
Right: 548.831+/-0.078 χ^2/NDF: 5476597.9/52

In: 384.238+/-0.051 χ^2/NDF:5150968.3/46

Out: 386.814+/-0.050 χ^2/NDF:6689007.8/53

All: 385.553+/-0.035 χ^2/NDF: 11841298.0/10

asym_sam_13_57_dd_mean vs Slug, Sign Corrected



Right In: 275.196+/-156.736 χ^2/NDF: 24.9/23

Left Out: -20.272+/-78.196 χ^2/NDF:31.4/24

Right Out: -61.643+/-160.351 χ^2/NDF: 27.6/28

Left In: -78.719+/-80.410 χ^2/NDF:32.9/22

Left: -48.680+/-56.059 χ^2/NDF: 64.6/47

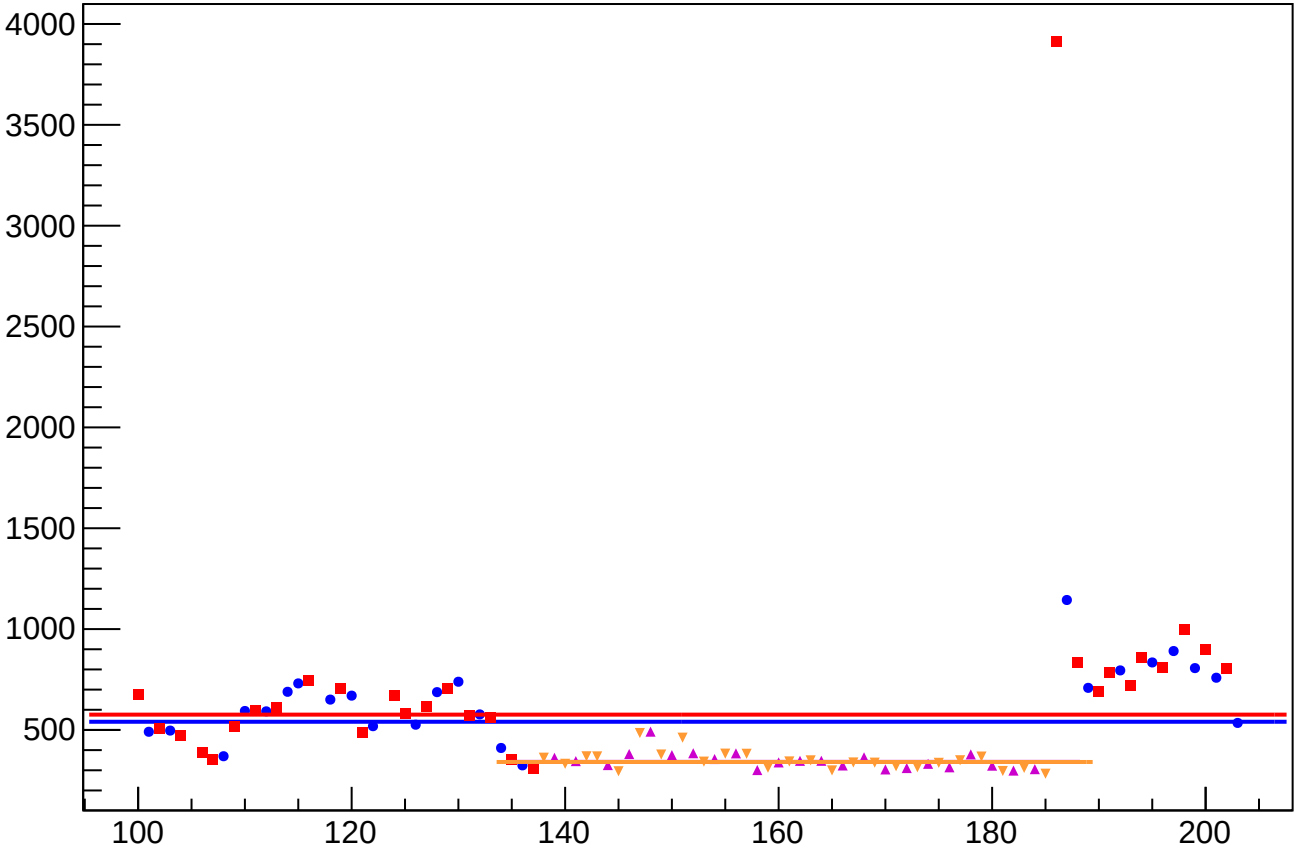
Right: 110.617+/-112.085 χ^2/NDF: 54.7/52

In: -4.978+/-71.544 χ^2/NDF:61.8/46

Out: -28.221+/-70.285 χ^2/NDF:59.1/53

All: -16.806+/-50.138 χ^2/NDF: 121.0/100

asym_sam_13_57_dd_rms vs Slug, Sign Corrected



Right In: 540.580+/-0.111 χ^2/NDF: 2432908.1/23

Left Out: 341.199+/-0.055 χ^2/NDF:510854.5/24

Right Out: 575.939+/-0.113 χ^2/NDF: 3142107.0/28

Left In: 341.622+/-0.057 χ^2/NDF:396885.0/22

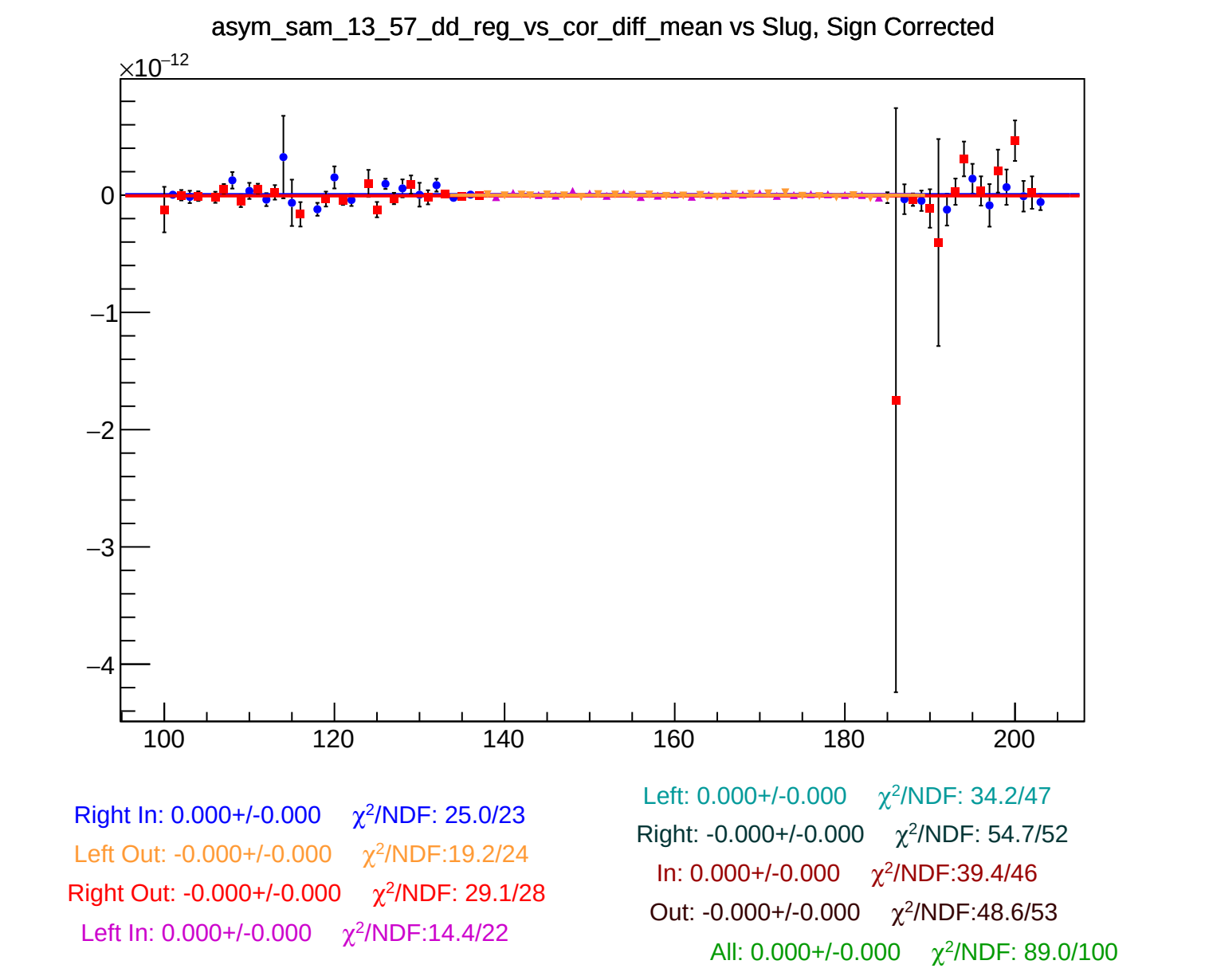
Left: 341.405+/-0.040 χ^2/NDF: 907768.0/47

Right: 557.856+/-0.079 χ^2/NDF: 5624747.9/52

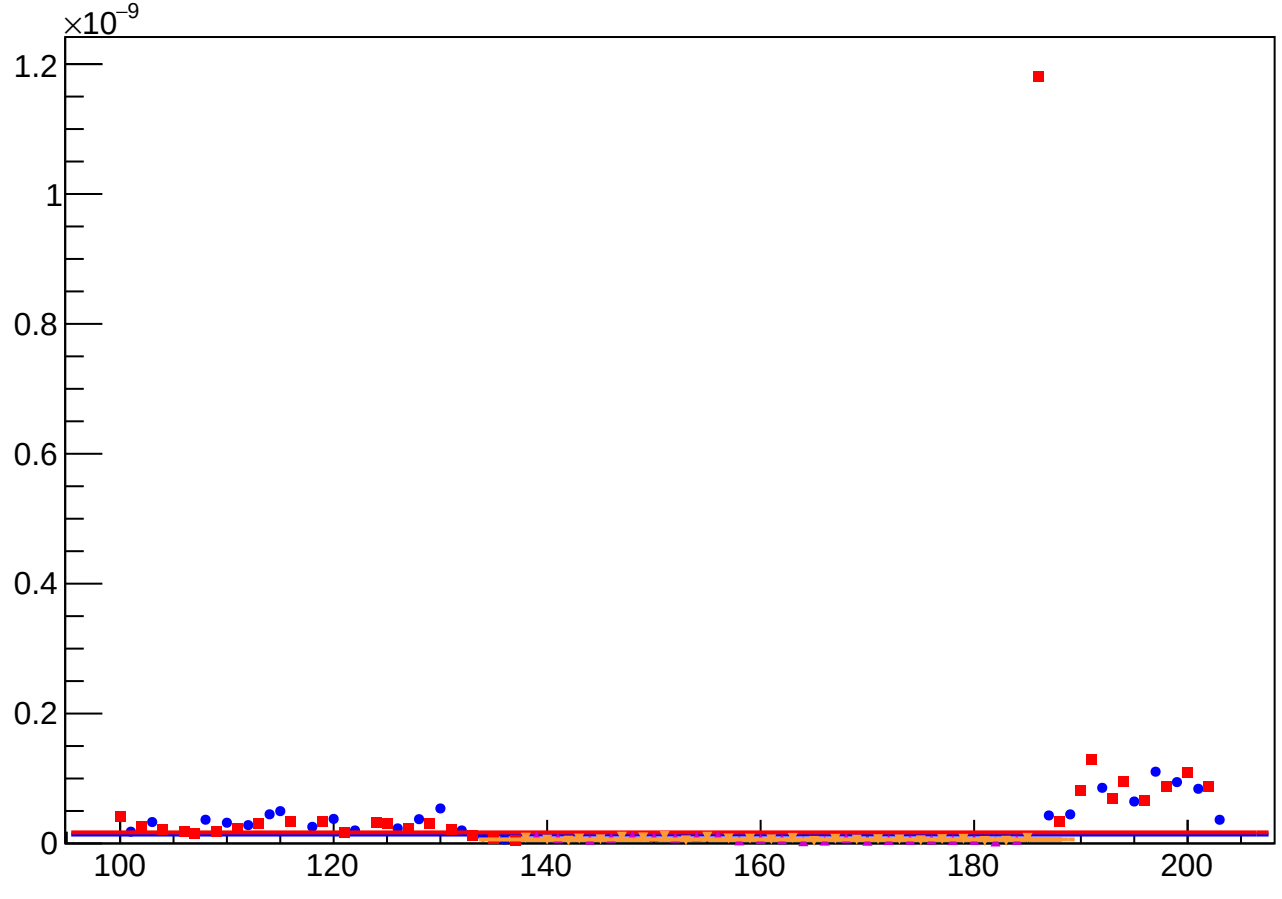
In: 383.077+/-0.051 χ^2/NDF:5380976.4/46

Out: 386.297+/-0.050 χ^2/NDF:7115575.1/53

All: 384.716+/-0.035 χ^2/NDF: 12498613.6/10


asym_sam_13_57_dd_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
0
−1
−2
−3
−4
100
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 25.0/23
Left Out: -0.000+/-0.000 χ²/NDF:19.2/24
Right Out: -0.000+/-0.000 χ²/NDF: 29.1/28
Left In: 0.000+/-0.000 χ²/NDF:14.4/22
Left: 0.000+/-0.000 χ²/NDF: 34.2/47
Right: -0.000+/-0.000 χ²/NDF: 54.7/52
In: 0.000+/-0.000 χ²/NDF:39.4/46
Out: -0.000+/-0.000 χ²/NDF:48.6/53
All: 0.000+/-0.000 χ²/NDF: 89.0/100

asym_sam_13_57_dd_reg_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 6145428.5/23

Left Out: 0.000+/-0.000 χ^2/NDF:1159883.9/24

Right Out: 0.000+/-0.000 χ^2/NDF: 5607008.0/28

Left In: 0.000+/-0.000 χ^2/NDF:1660677.6/22

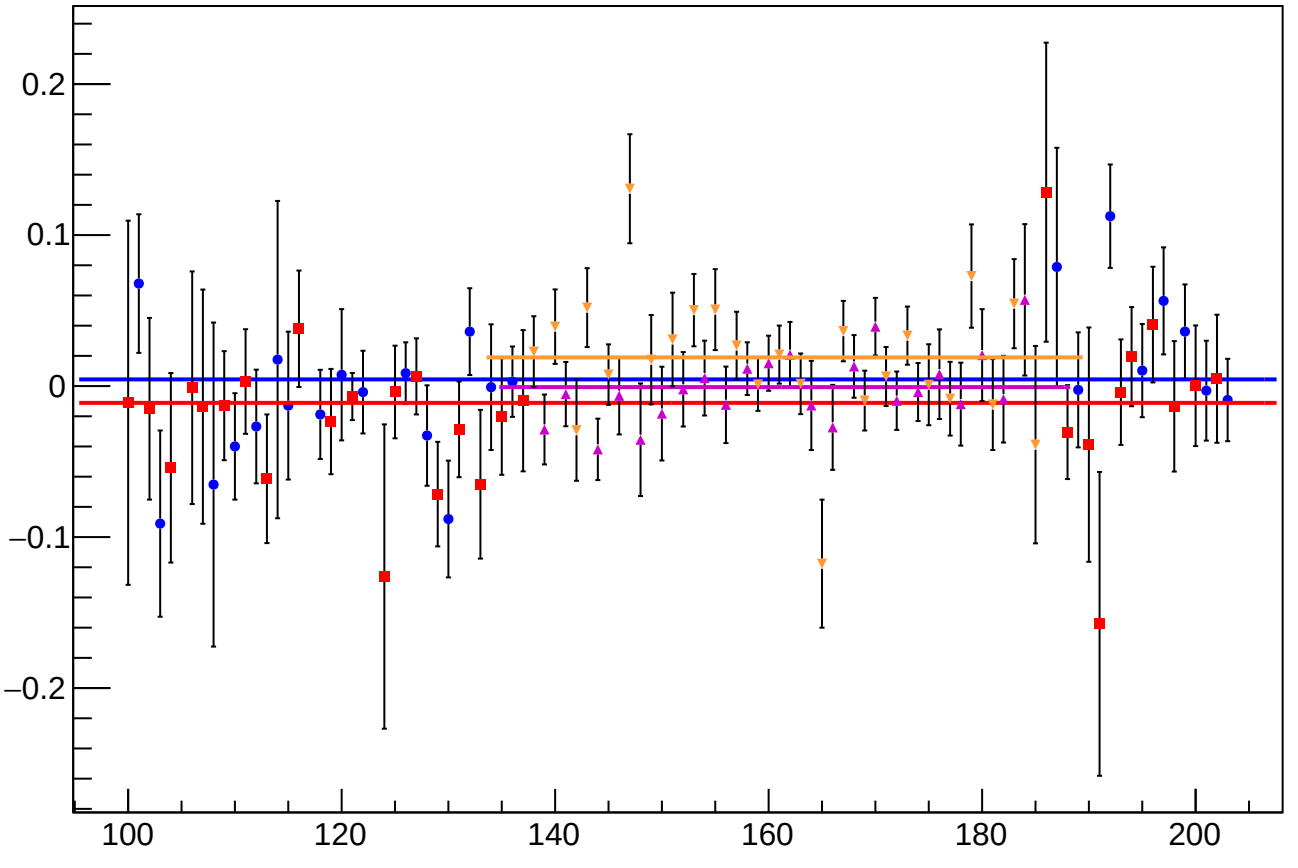
Left: 0.000+/-0.000 χ^2/NDF: 2824480.5/47

Right: 0.000+/-0.000 χ^2/NDF: 11902234.2/52

In: 0.000+/-0.000 χ^2/NDF:9522523.2/46

Out: 0.000+/-0.000 χ^2/NDF:9461828.1/53

All: 0.000+/-0.000 χ^2/NDF: 18990558.9/100



Right In: 0.004+/-0.007 χ^2/NDF: 30.5/23

Left Out: 0.019+/-0.005 χ^2/NDF:41.2/24

Right Out: -0.011+/-0.007 χ^2/NDF: 17.9/28

Left In: -0.001+/-0.005 χ^2/NDF:17.7/22

Left: 0.009+/-0.003 χ^2/NDF: 66.9/47

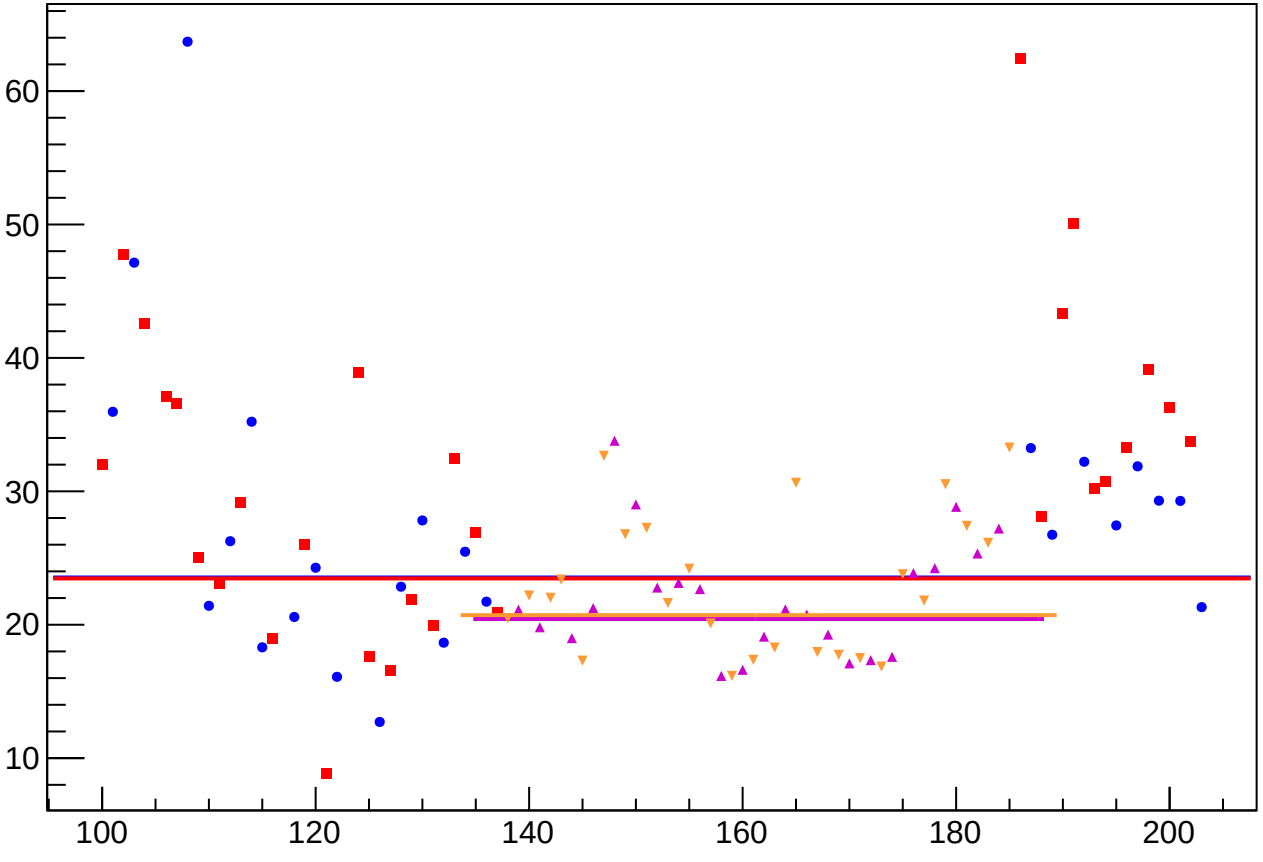
Right: -0.003+/-0.005 χ^2/NDF: 50.9/52

In: 0.001+/-0.004 χ^2/NDF:48.5/46

Out: 0.009+/-0.004 χ^2/NDF:71.5/53

All: 0.005+/-0.003 χ^2/NDF: 122.1/100

asym_sam_13_57_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 23.540+/-0.005 χ^2/NDF: 2070498.5/23

Left Out: 20.718+/-0.003 χ^2/NDF:1506374.1/24

Right Out: 23.470+/-0.005 χ^2/NDF: 4374485.5/28

Left In: 20.429+/-0.003 χ^2/NDF:1173949.1/22

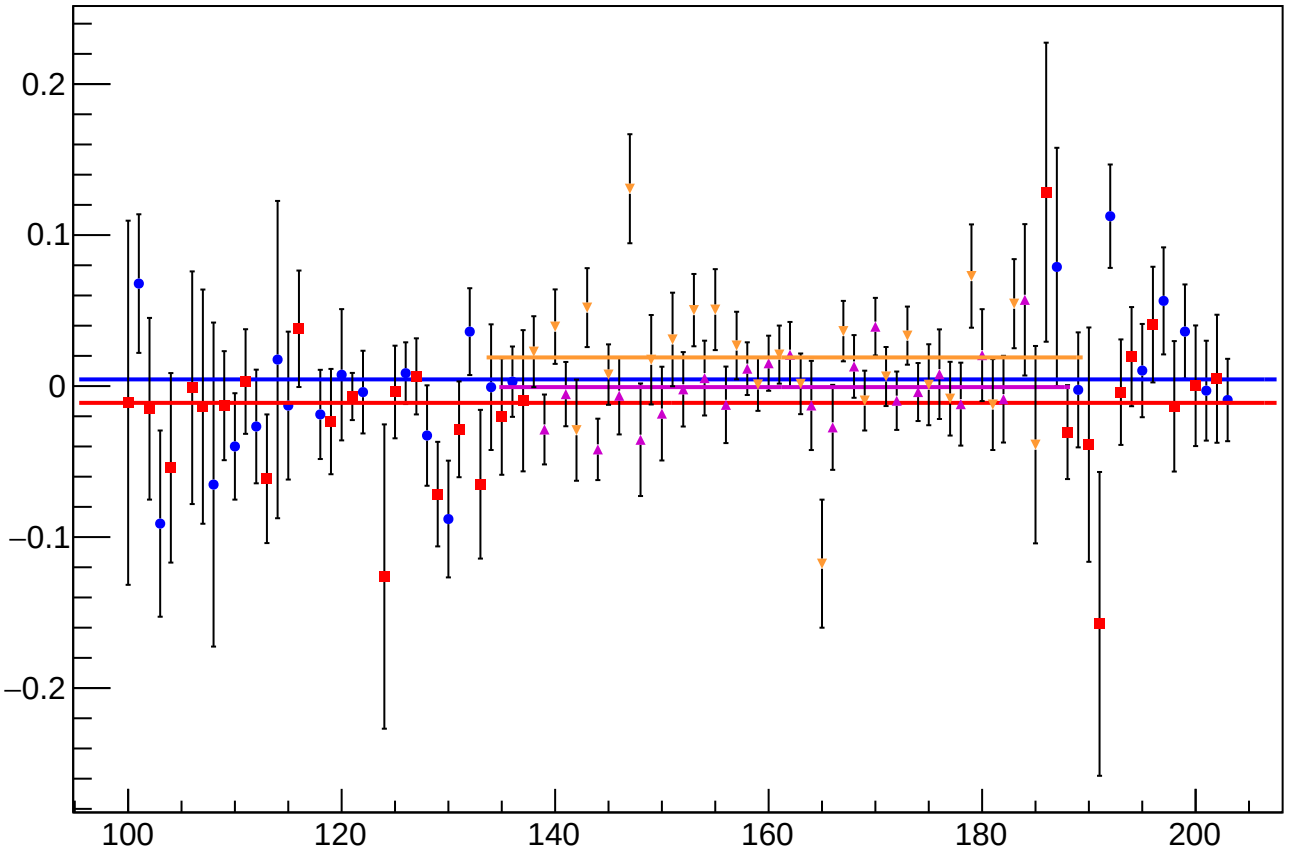
Left: 20.575+/-0.002 χ^2/NDF: 2683801.2/47

Right: 23.505+/-0.004 χ^2/NDF: 6445084.1/52

In: 21.458+/-0.003 χ^2/NDF:3507262.9/46

Out: 21.613+/-0.003 χ^2/NDF:6088640.8/53

All: 21.536+/-0.002 χ^2/NDF: 9597400.2/100



Right In: 0.004+/-0.007 χ^2/NDF: 30.5/23

Left Out: 0.019+/-0.005 χ^2/NDF:41.2/24

Right Out: -0.011+/-0.007 χ^2/NDF: 17.9/28

Left In: -0.001+/-0.005 χ^2/NDF:17.7/22

Left: 0.009+/-0.003 χ^2/NDF: 66.9/47

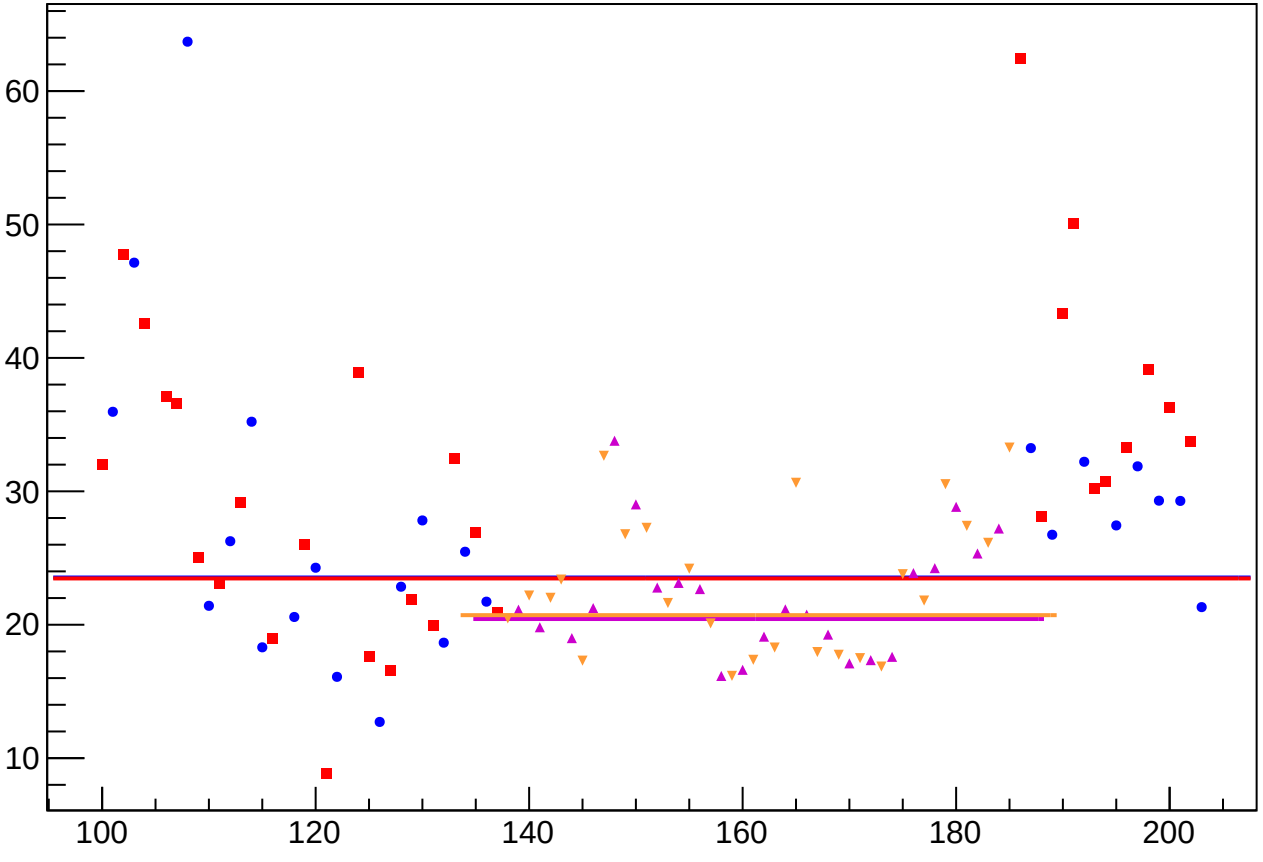
Right: -0.003+/-0.005 χ^2/NDF: 50.9/52

In: 0.001+/-0.004 χ^2/NDF:48.5/46

Out: 0.009+/-0.004 χ^2/NDF:71.5/53

All: 0.005+/-0.003 χ^2/NDF: 122.1/100

asym_sam_13_57_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 23.540+/-0.005 χ^2/NDF: 2070498.5/23

Left Out: 20.718+/-0.003 χ^2/NDF:1506374.1/24

Right Out: 23.470+/-0.005 χ^2/NDF: 4374485.5/28

Left In: 20.429+/-0.003 χ^2/NDF:1173949.1/22

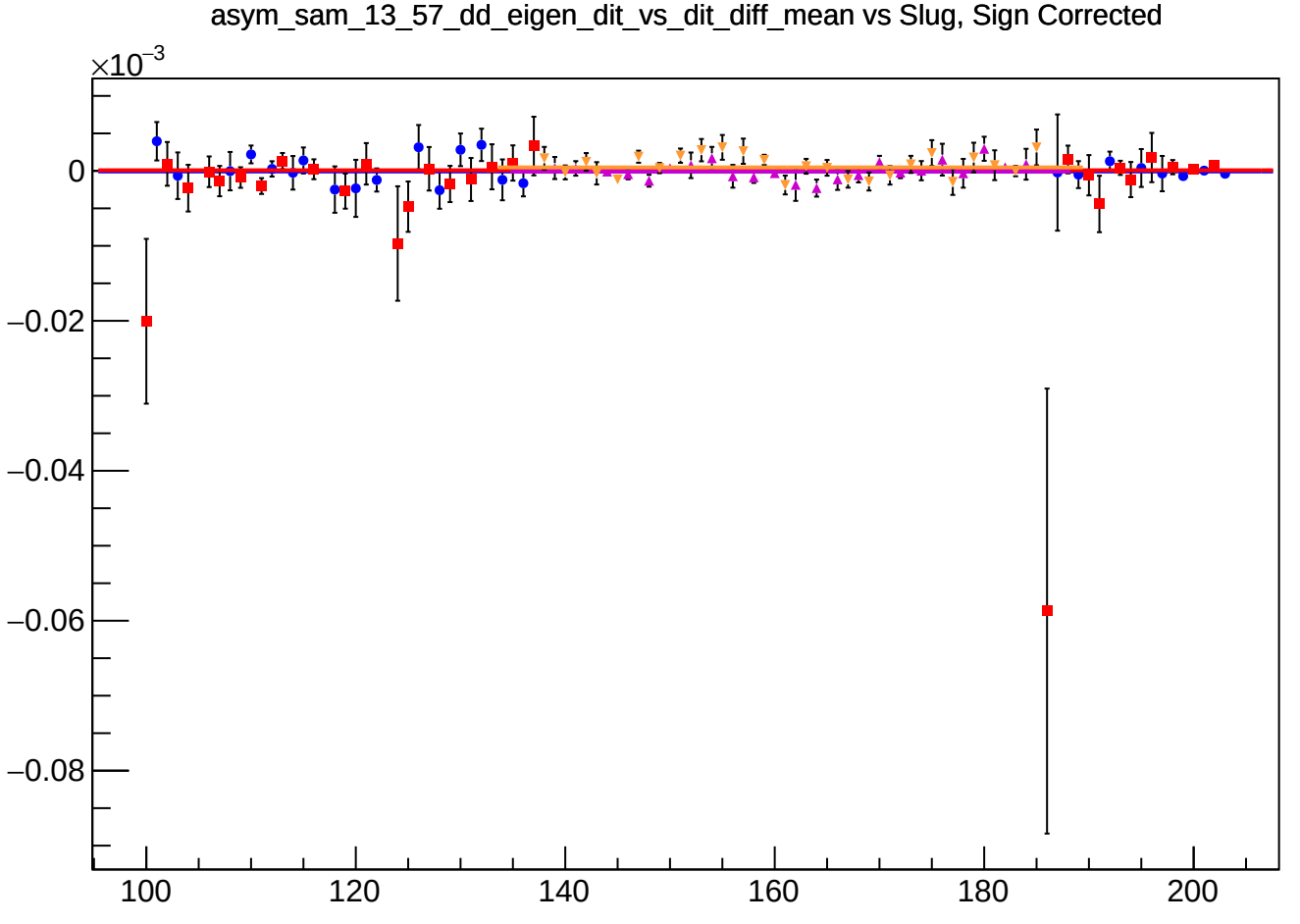
Left: 20.575+/-0.002 χ^2/NDF: 2683801.2/47

Right: 23.505+/-0.004 χ^2/NDF: 6445084.1/52

In: 21.458+/-0.003 χ^2/NDF:3507262.9/46

Out: 21.613+/-0.003 χ^2/NDF:6088640.8/53

All: 21.536+/-0.002 χ^2/NDF: 9597400.2/100



Right In: -0.000+/-0.000 χ^2/NDF: 19.6/23

Left Out: 0.000+/-0.000 χ^2/NDF:36.7/24

Right Out: 0.000+/-0.000 χ^2/NDF: 25.2/28

Left In: -0.000+/-0.000 χ^2/NDF:19.5/22

Left: 0.000+/-0.000 χ^2/NDF: 59.9/47

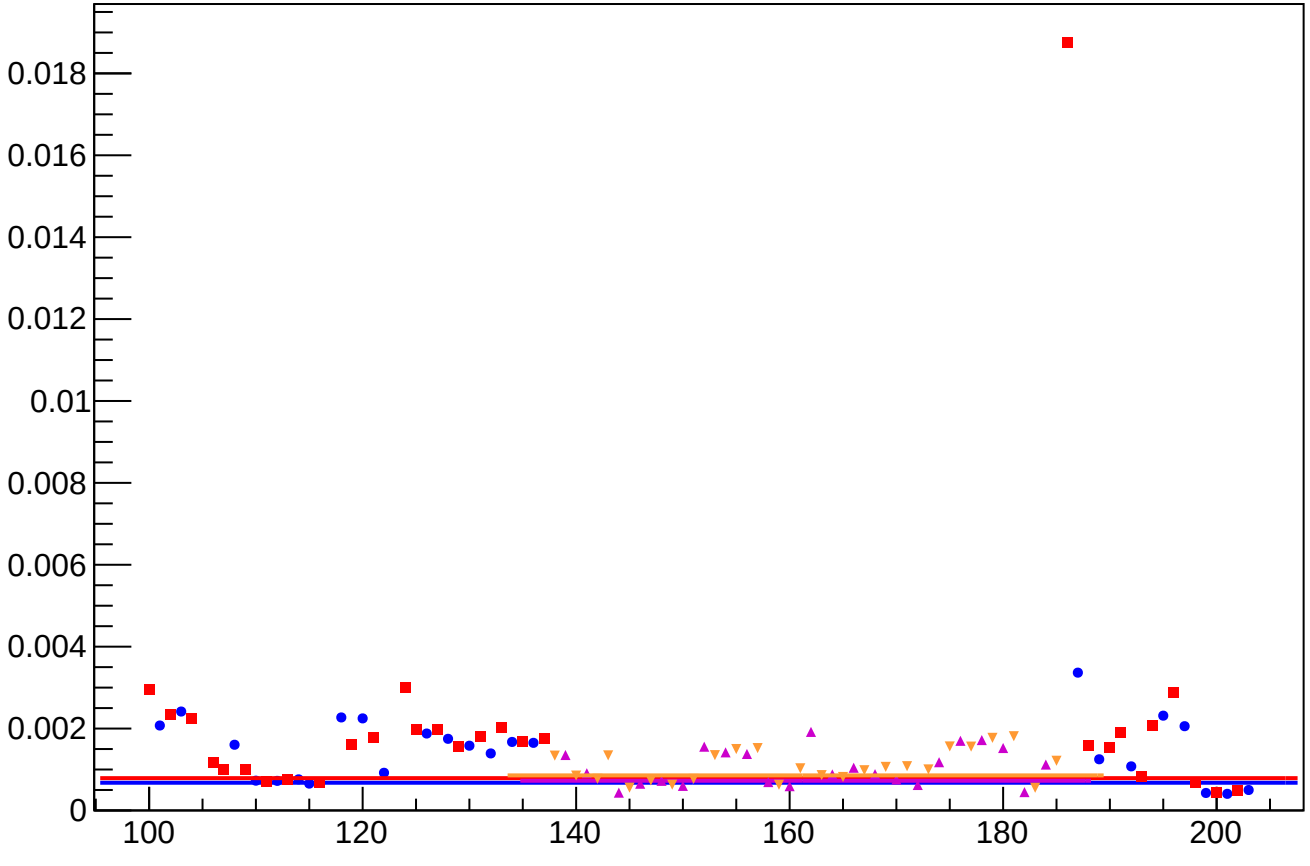
Right: -0.000+/-0.000 χ^2/NDF: 45.0/52

In: -0.000+/-0.000 χ^2/NDF:39.1/46

Out: 0.000+/-0.000 χ^2/NDF:63.3/53

All: 0.000+/-0.000 χ^2/NDF: 105.5/100

asym_sam_13_57_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.001+/-0.000 χ^2/NDF: 8257049.2/23

Left Out: 0.001+/-0.000 χ^2/NDF:4439075.2/24

Right Out: 0.001+/-0.000 χ^2/NDF: 8171668.4/28

Left In: 0.001+/-0.000 χ^2/NDF:5805288.5/22

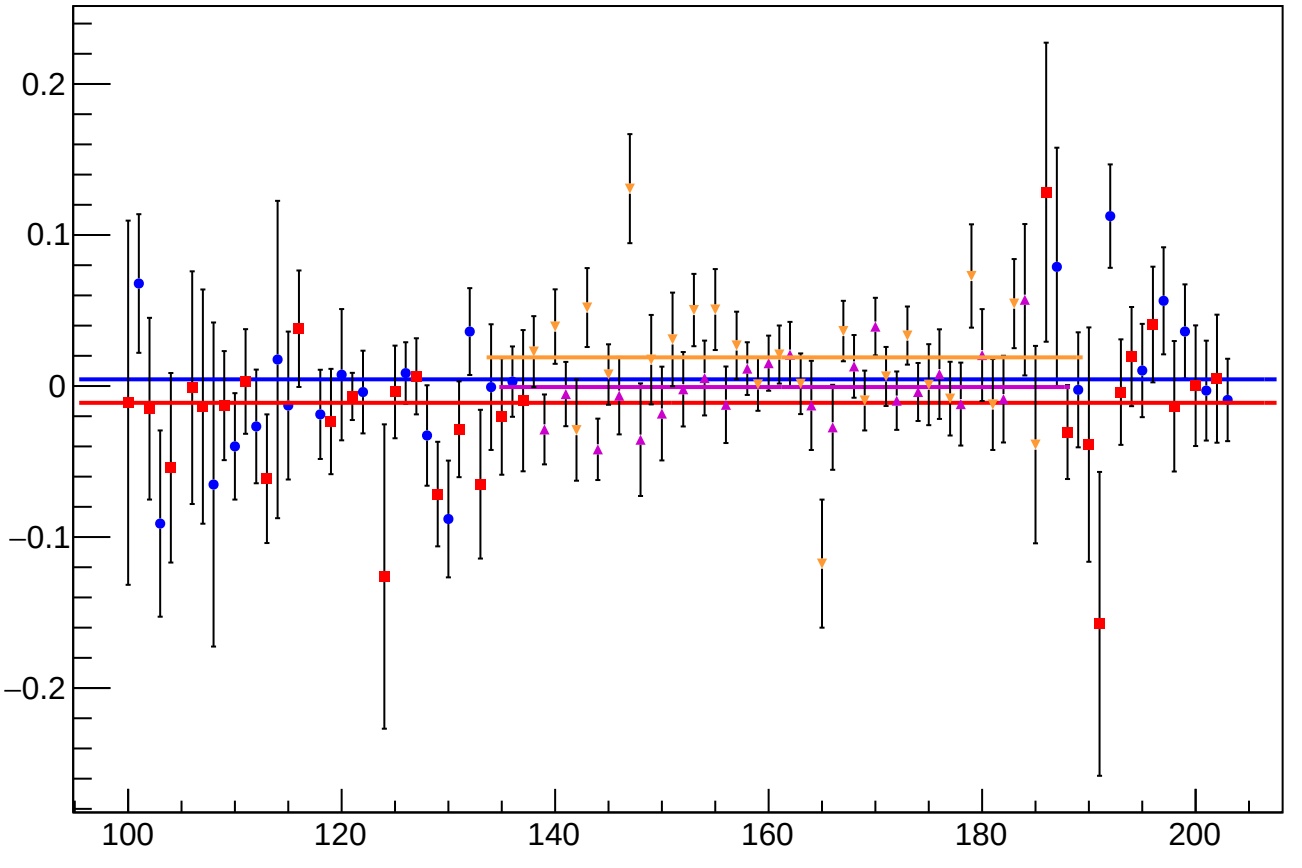
Left: 0.001+/-0.000 χ^2/NDF: 10673329.7/47

Right: 0.001+/-0.000 χ^2/NDF: 16636538.7/52

In: 0.001+/-0.000 χ^2/NDF:14115163.3/46

Out: 0.001+/-0.000 χ^2/NDF:12692127.8/53

All: 0.001+/-0.000 χ^2/NDF: 27435471.6/100



Right In: 0.004+/-0.007 χ^2/NDF: 30.5/23

Left Out: 0.019+/-0.005 χ^2/NDF:41.2/24

Right Out: -0.011+/-0.007 χ^2/NDF: 17.9/28

Left In: -0.001+/-0.005 χ^2/NDF:17.7/22

Left: 0.009+/-0.003 χ^2/NDF: 66.9/47

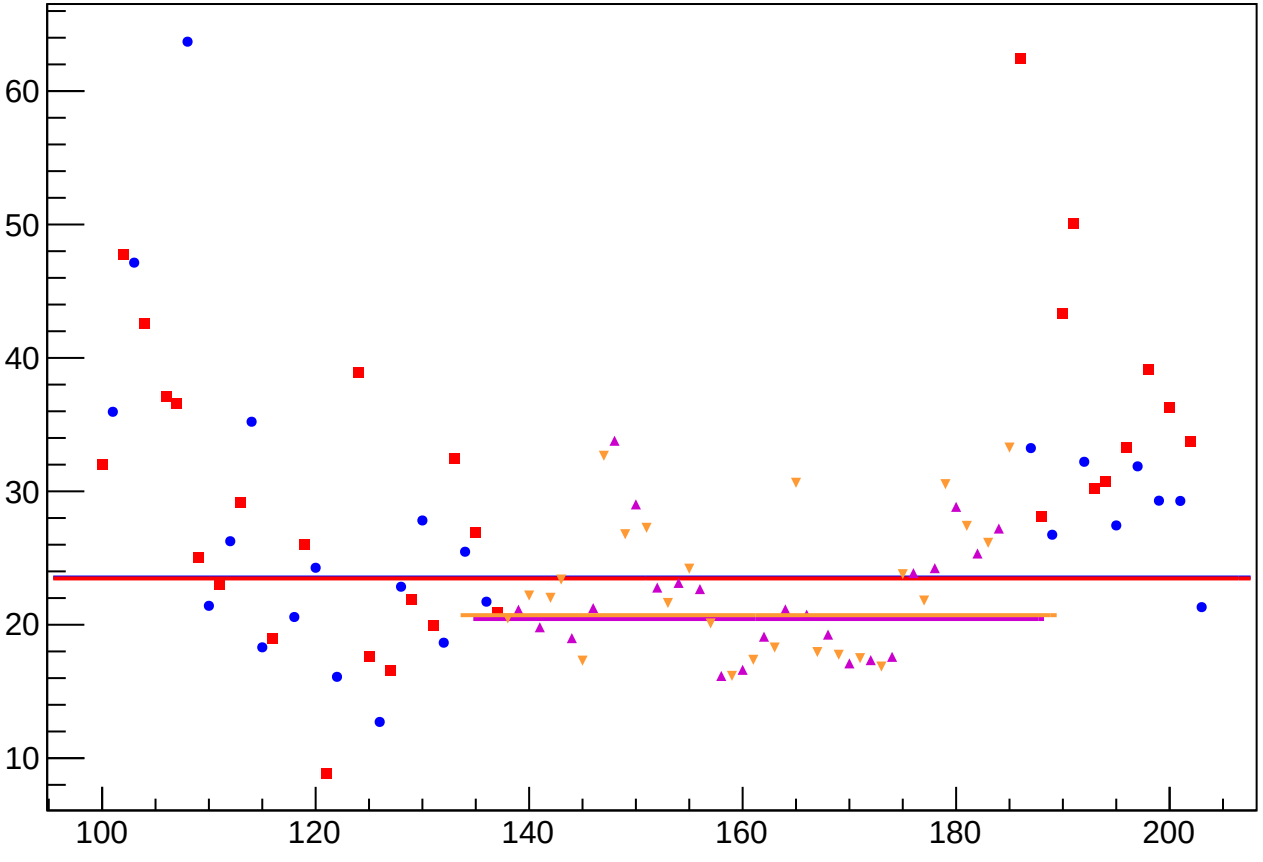
Right: -0.003+/-0.005 χ^2/NDF: 50.9/52

In: 0.001+/-0.004 χ^2/NDF:48.5/46

Out: 0.009+/-0.004 χ^2/NDF:71.5/53

All: 0.005+/-0.003 χ^2/NDF: 122.1/100

asym_sam_13_57_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 23.541+/-0.005 χ^2/NDF: 2070320.5/23

Left Out: 20.718+/-0.003 χ^2/NDF:1506475.9/24

Right Out: 23.471+/-0.005 χ^2/NDF: 4373907.9/28

Left In: 20.429+/-0.003 χ^2/NDF:1173995.4/22

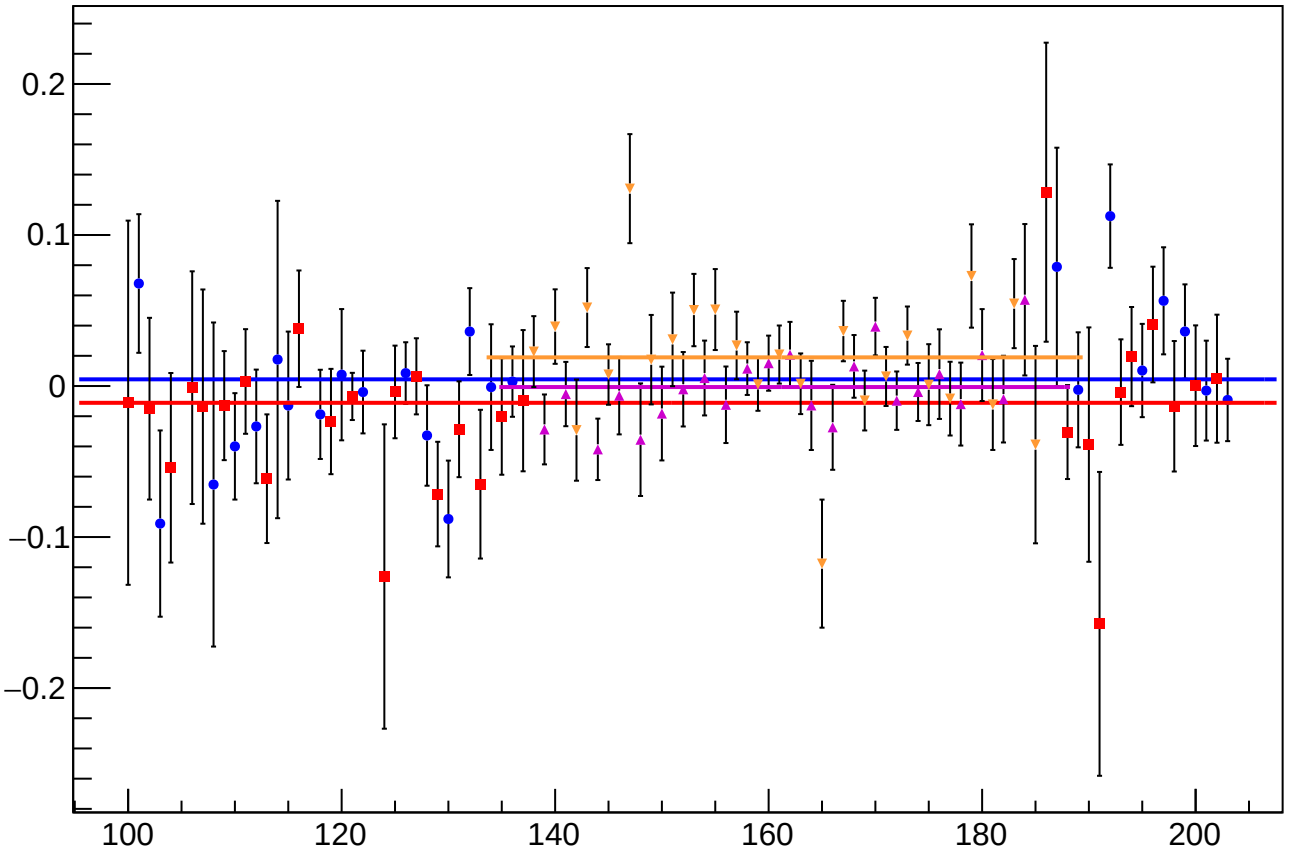
Left: 20.575+/-0.002 χ^2/NDF: 2683947.4/47

Right: 23.506+/-0.004 χ^2/NDF: 6444327.7/52

In: 21.458+/-0.003 χ^2/NDF:3507167.8/46

Out: 21.614+/-0.003 χ^2/NDF:6088256.5/53

All: 21.536+/-0.002 χ^2/NDF: 9596921.5/100



Right In: 0.004+/-0.007 χ^2/NDF: 30.5/23

Left Out: 0.019+/-0.005 χ^2/NDF:41.2/24

Right Out: -0.011+/-0.007 χ^2/NDF: 17.9/28

Left In: -0.001+/-0.005 χ^2/NDF:17.7/22

Left: 0.009+/-0.003 χ^2/NDF: 66.9/47

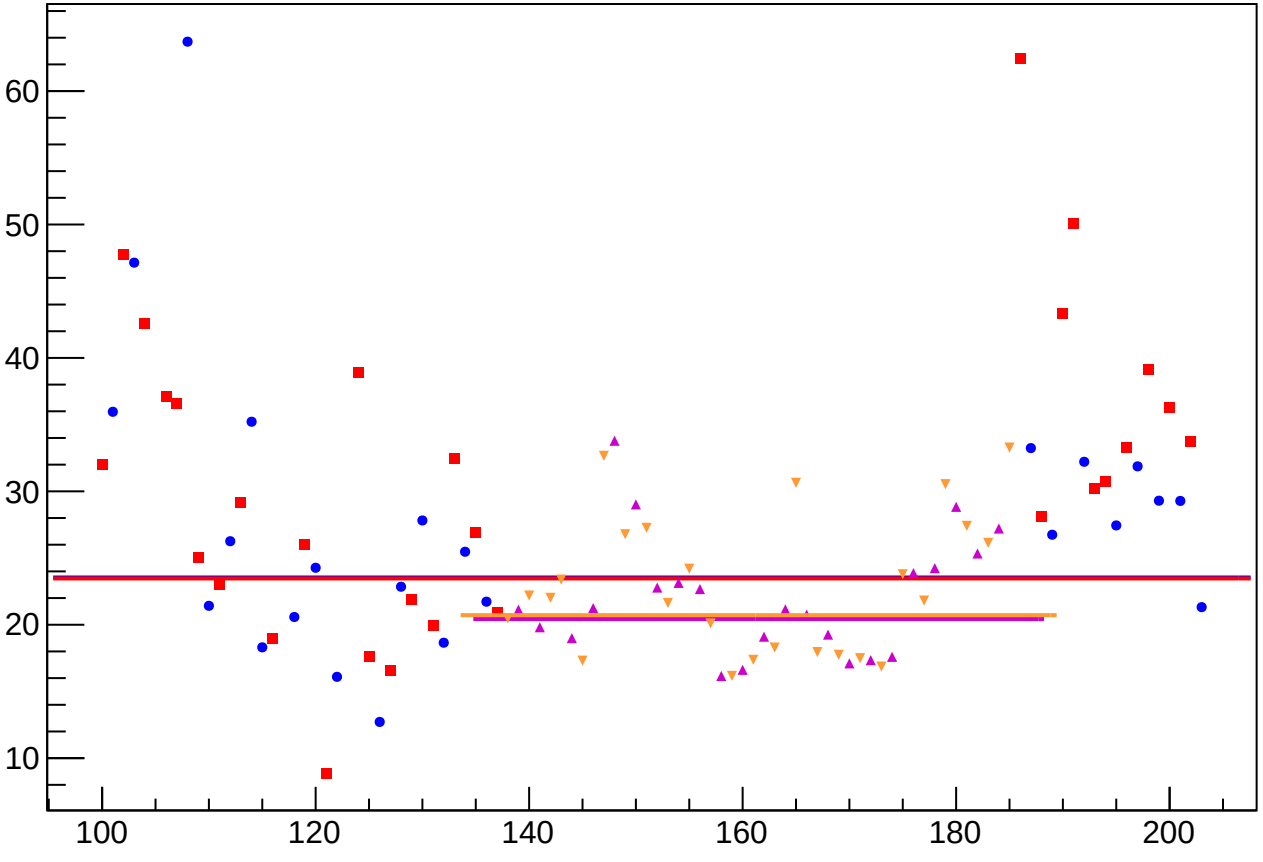
Right: -0.003+/-0.005 χ^2/NDF: 50.9/52

In: 0.001+/-0.004 χ^2/NDF:48.5/46

Out: 0.009+/-0.004 χ^2/NDF:71.5/53

All: 0.005+/-0.003 χ^2/NDF: 122.1/100

asym_sam_13_57_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 23.541+/-0.005 χ^2/NDF: 2070320.5/23

Left Out: 20.718+/-0.003 χ^2/NDF:1506475.9/24

Right Out: 23.471+/-0.005 χ^2/NDF: 4373907.9/28

Left In: 20.429+/-0.003 χ^2/NDF:1173995.4/22

Left: 20.575+/-0.002 χ^2/NDF: 2683947.4/47

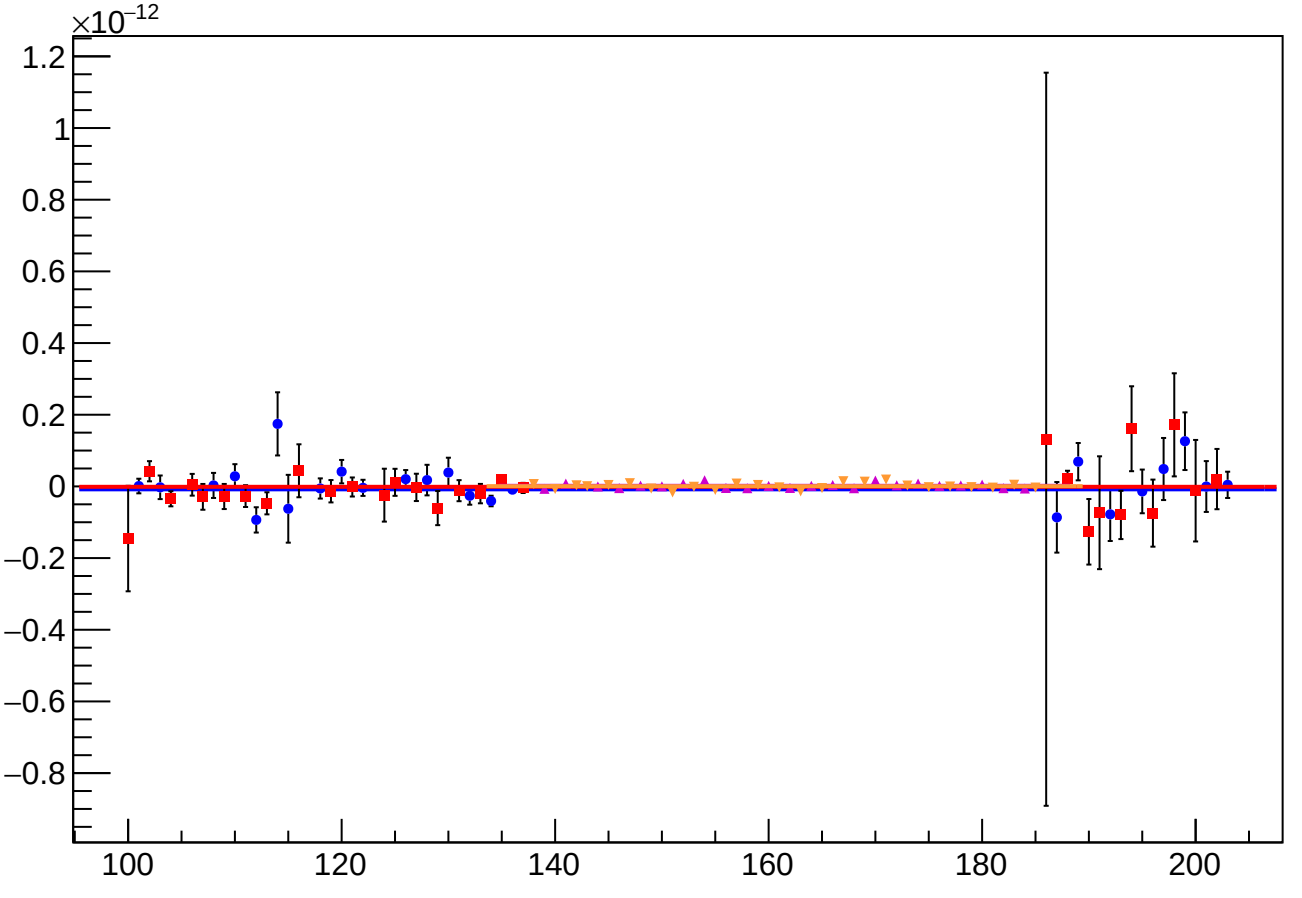
Right: 23.506+/-0.004 χ^2/NDF: 6444327.7/52

In: 21.458+/-0.003 χ^2/NDF:3507167.8/46

Out: 21.614+/-0.003 χ^2/NDF:6088256.5/53

All: 21.536+/-0.002 χ^2/NDF: 9596921.5/100

asym_sam_13_57_dd_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.000 χ^2/NDF: 29.7/23

Left Out: 0.000+/-0.000 χ^2/NDF:29.0/24

Right Out: -0.000+/-0.000 χ^2/NDF: 25.4/28

Left In: 0.000+/-0.000 χ^2/NDF:20.6/22

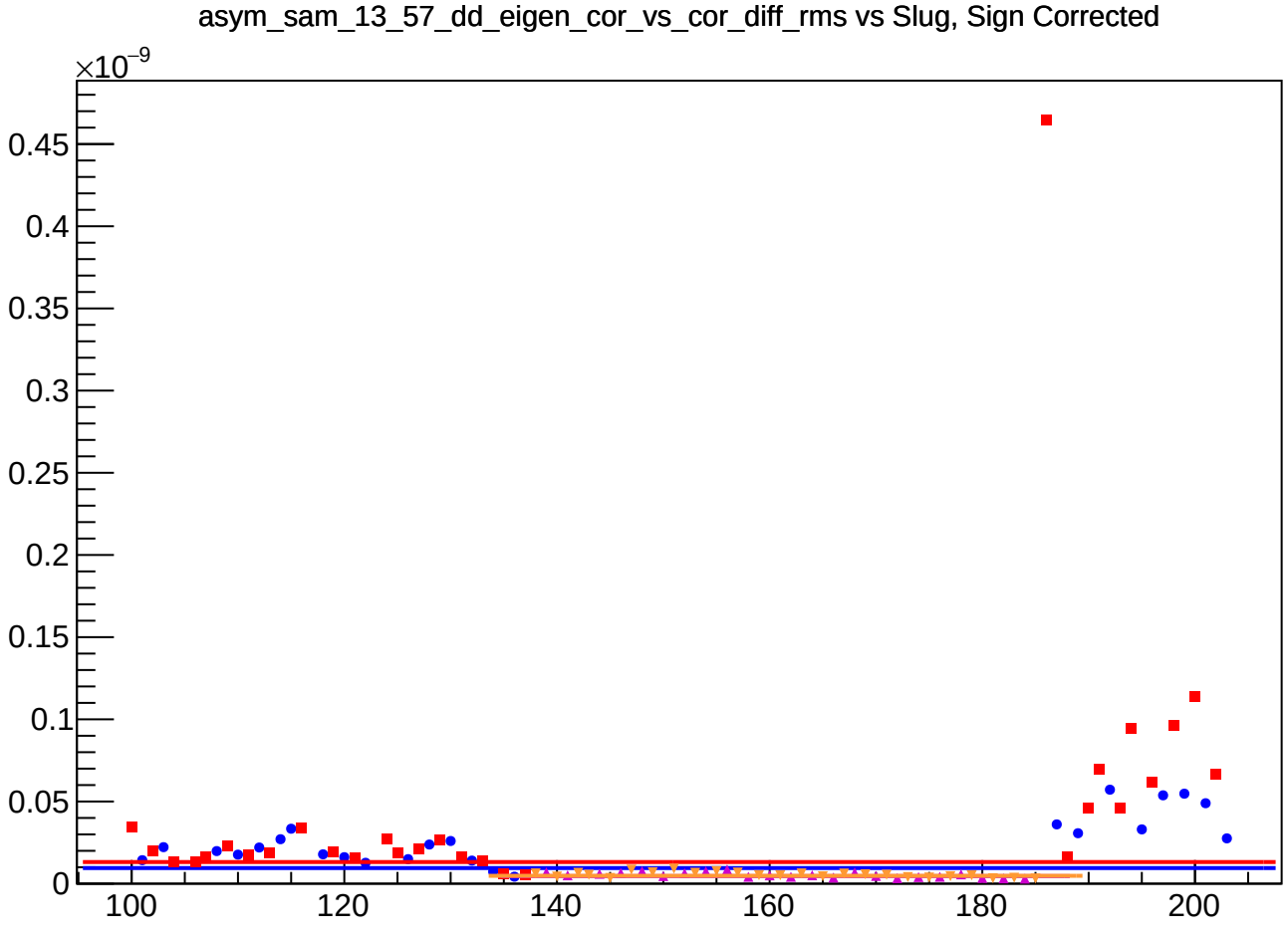
Left: 0.000+/-0.000 χ^2/NDF: 49.9/47

Right: -0.000+/-0.000 χ^2/NDF: 56.1/52

In: 0.000+/-0.000 χ^2/NDF:54.8/46

Out: 0.000+/-0.000 χ^2/NDF:54.5/53

All: 0.000+/-0.000 χ^2/NDF: 109.4/100



Right In: 0.000+/-0.000 χ^2/NDF: 7729688.2/23

Left Out: 0.000+/-0.000 χ^2/NDF:2118264.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 8156540.5/28

Left In: 0.000+/-0.000 χ^2/NDF:1908439.7/22

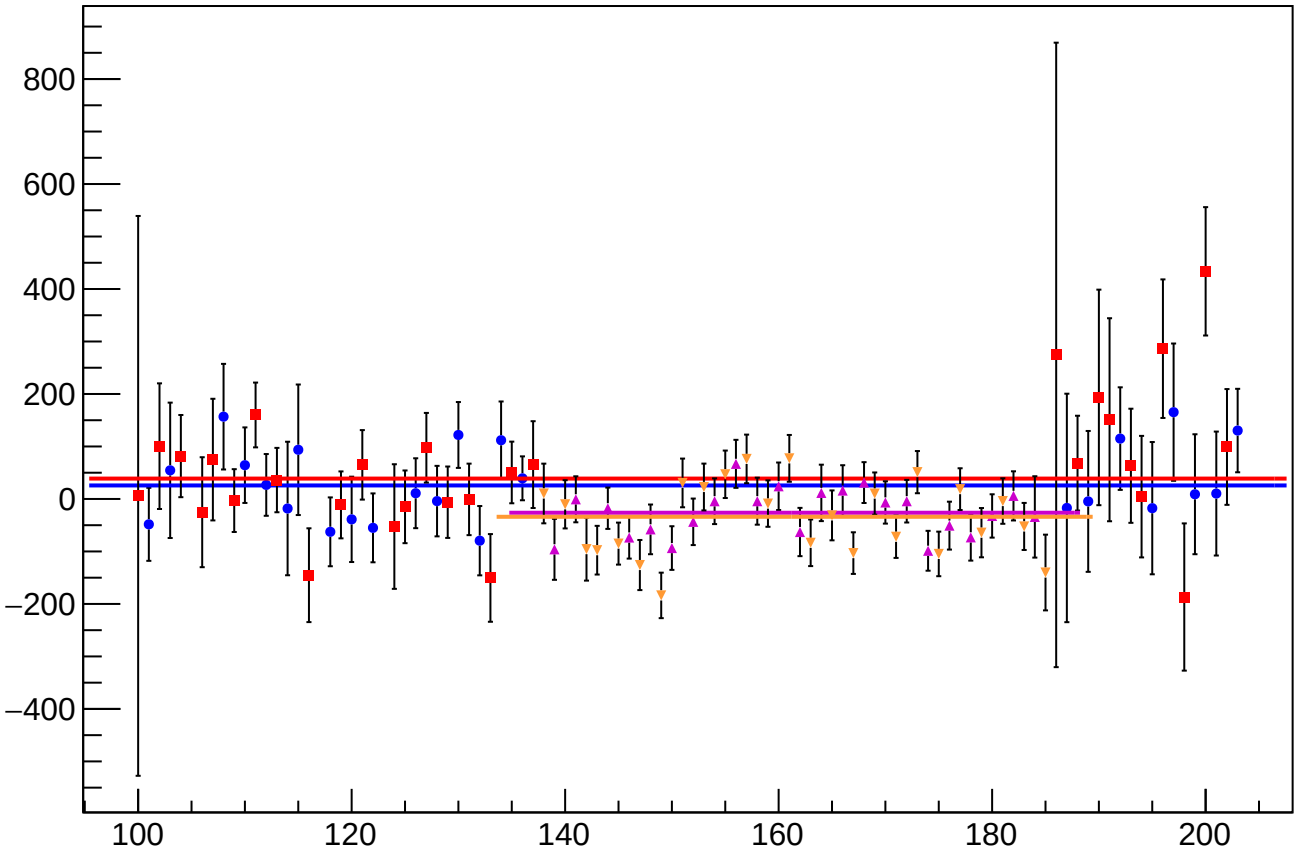
Left: 0.000+/-0.000 χ^2/NDF: 4046117.6/47

Right: 0.000+/-0.000 χ^2/NDF: 16431093.4/52

In: 0.000+/-0.000 χ^2/NDF:11916947.6/46

Out: 0.000+/-0.000 χ^2/NDF:14739971.4/53

All: 0.000+/-0.000 χ^2/NDF: 26690782.0/100



Right In: 25.742+/-16.042 χ^2/NDF: 18.1/23

Left Out: -33.956+/-8.993 χ^2/NDF:58.7/24

Right Out: 38.824+/-15.973 χ^2/NDF: 36.6/28

Left In: -26.267+/-9.271 χ^2/NDF:22.5/22

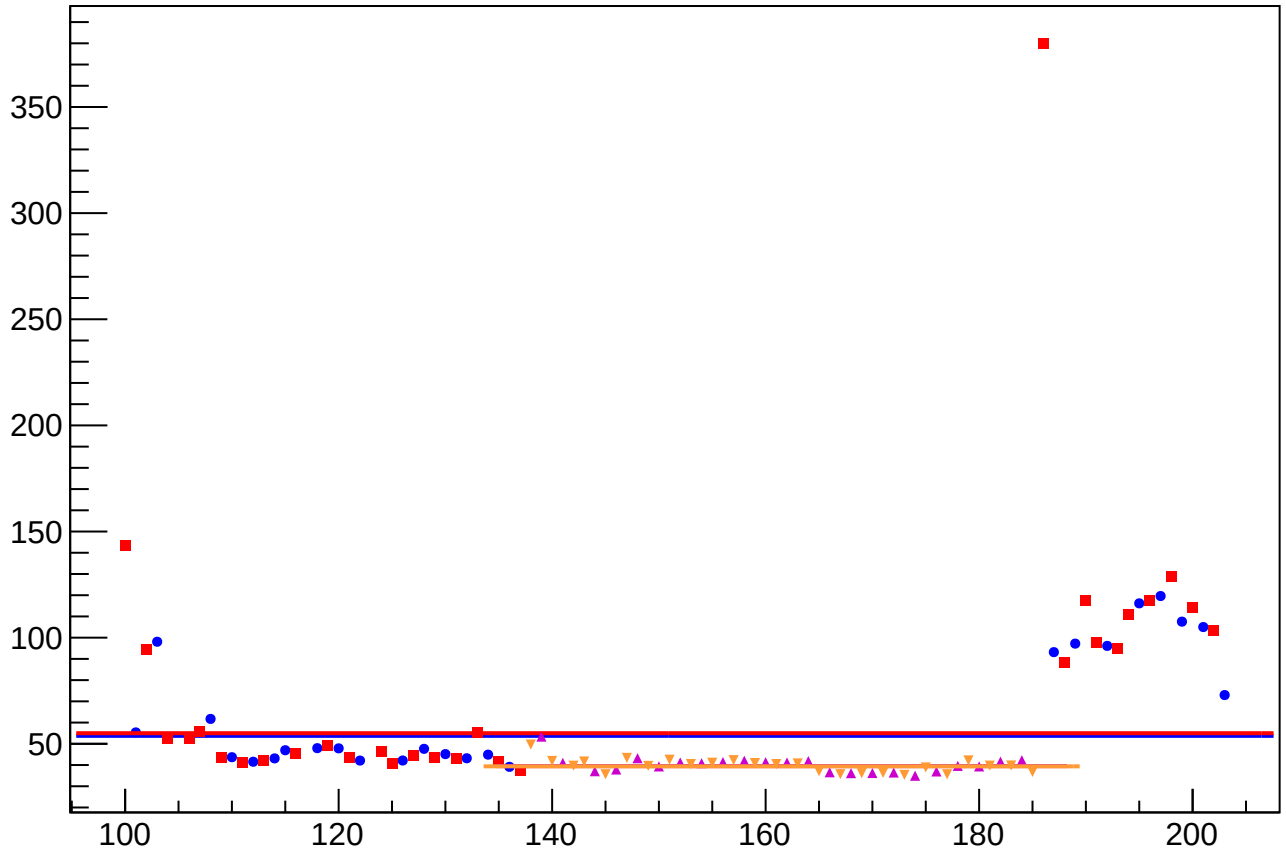
Left: -30.228+/-6.455 χ^2/NDF: 81.6/47

Right: 32.311+/-11.319 χ^2/NDF: 55.0/52

In: -13.244+/-8.027 χ^2/NDF:48.5/46

Out: -16.437+/-7.837 χ^2/NDF:111.1/53

All: -14.879+/-5.608 χ^2/NDF: 159.6/100



Right In: 53.754+/-0.011 χ^2/NDF: 3509820.9/23

Left Out: 39.383+/-0.006 χ^2/NDF:228799.9/24

Right Out: 54.995+/-0.011 χ^2/NDF: 4837598.6/28

Left In: 39.491+/-0.007 χ^2/NDF:251801.8/22

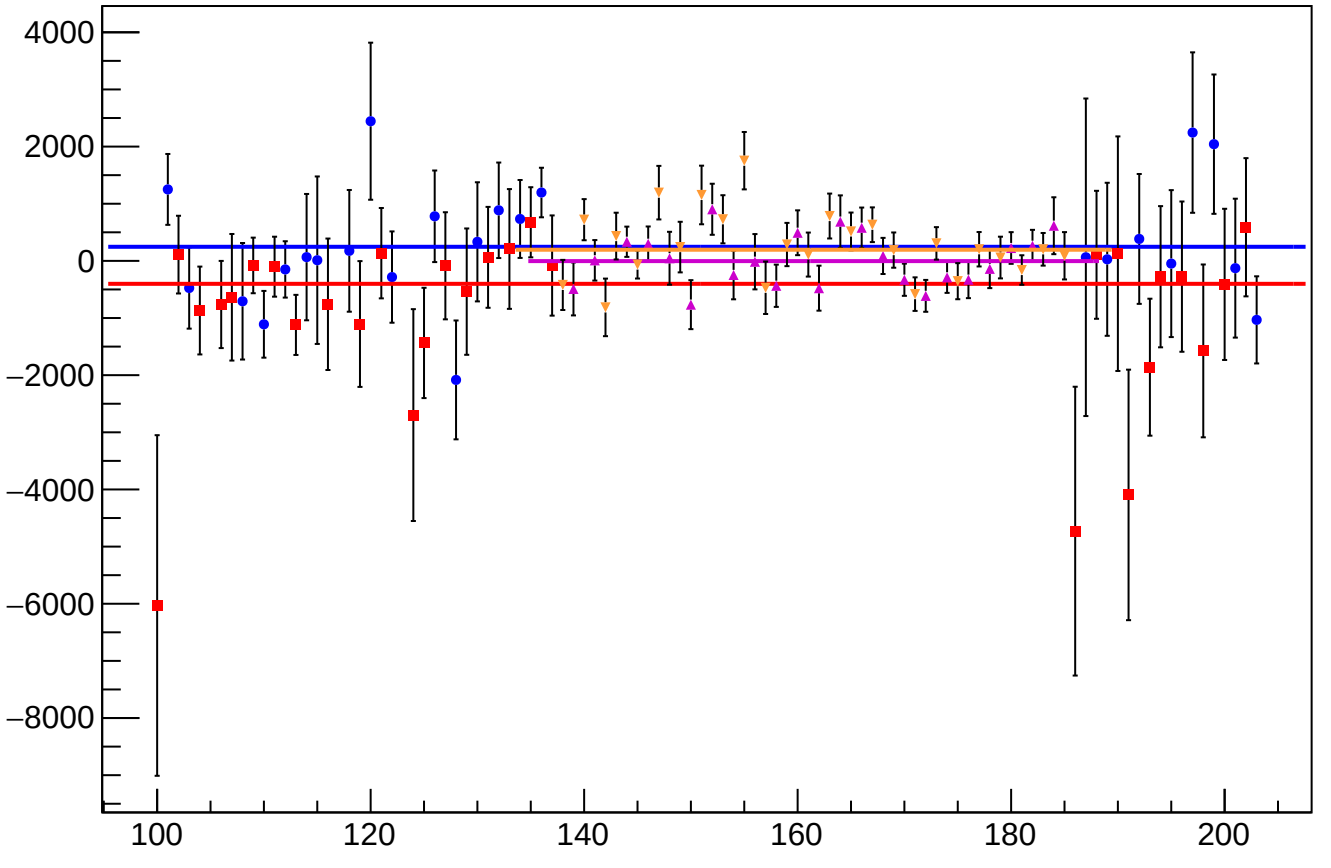
Left: 39.435+/-0.005 χ^2/NDF: 480742.3/47

Right: 54.377+/-0.008 χ^2/NDF: 8353432.0/52

In: 43.062+/-0.006 χ^2/NDF:4946720.2/46

Out: 43.141+/-0.006 χ^2/NDF:6517158.5/53

All: 43.102+/-0.004 χ^2/NDF: 11463976.4/100



Right In: 246.576+/-169.526 χ^2/NDF: 32.2/23

Left Out: 195.029+/-70.093 χ^2/NDF:48.6/24

Right Out: -401.560+/-167.473 χ^2/NDF: 23.8/28

Left In: -4.015+/-71.981 χ^2/NDF:32.4/22

Left: 98.152+/-50.217 χ^2/NDF: 84.9/47

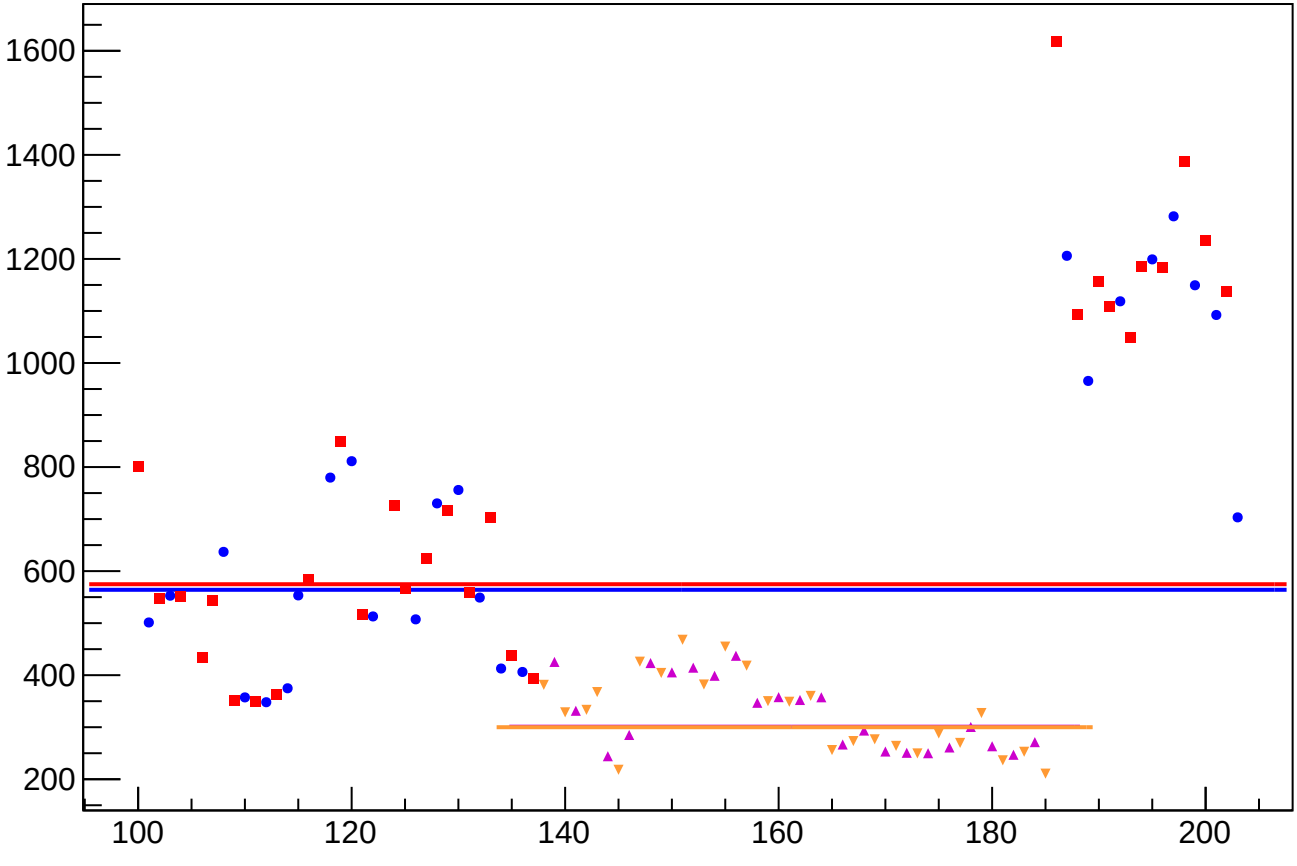
Right: -81.441+/-119.141 χ^2/NDF: 63.4/52

In: 34.262+/-66.256 χ^2/NDF:66.4/46

Out: 106.103+/-64.658 χ^2/NDF:83.2/53

All: 71.059+/-46.275 χ^2/NDF: 150.2/100

asym_sam_15_37_dd_reg_correction_rms vs Slug, Sign Corrected



Right In: 564.100+/-0.120 χ^2/NDF: 4052087.2/23

Left Out: 299.976+/-0.050 χ^2/NDF:1808461.5/24

Right Out: 574.803+/-0.118 χ^2/NDF: 5394559.6/28

Left In: 301.000+/-0.051 χ^2/NDF:1407198.4/22

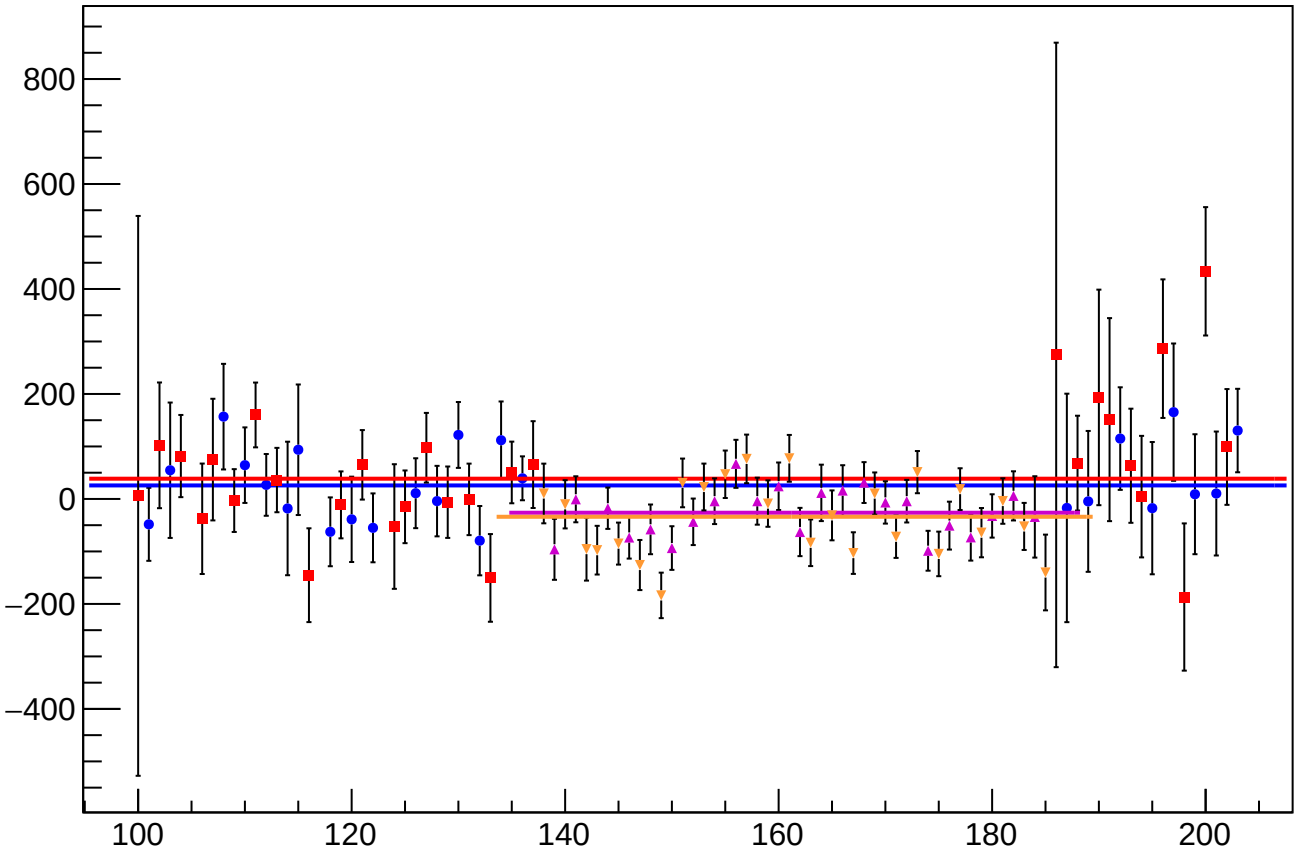
Left: 300.474+/-0.036 χ^2/NDF: 3215867.3/47

Right: 569.516+/-0.084 χ^2/NDF: 9450681.3/52

In: 341.187+/-0.047 χ^2/NDF:9540698.3/46

Out: 340.941+/-0.046 χ^2/NDF:11786081.1/53

All: 341.061+/-0.033 χ^2/NDF: 21326793.6/10



Right In: 25.747+/-16.042 χ^2/NDF: 18.1/23

Left Out: -33.955+/-8.993 χ^2/NDF:58.7/24

Right Out: 38.577+/-15.975 χ^2/NDF: 36.7/28

Left In: -26.267+/-9.271 χ^2/NDF:22.5/22

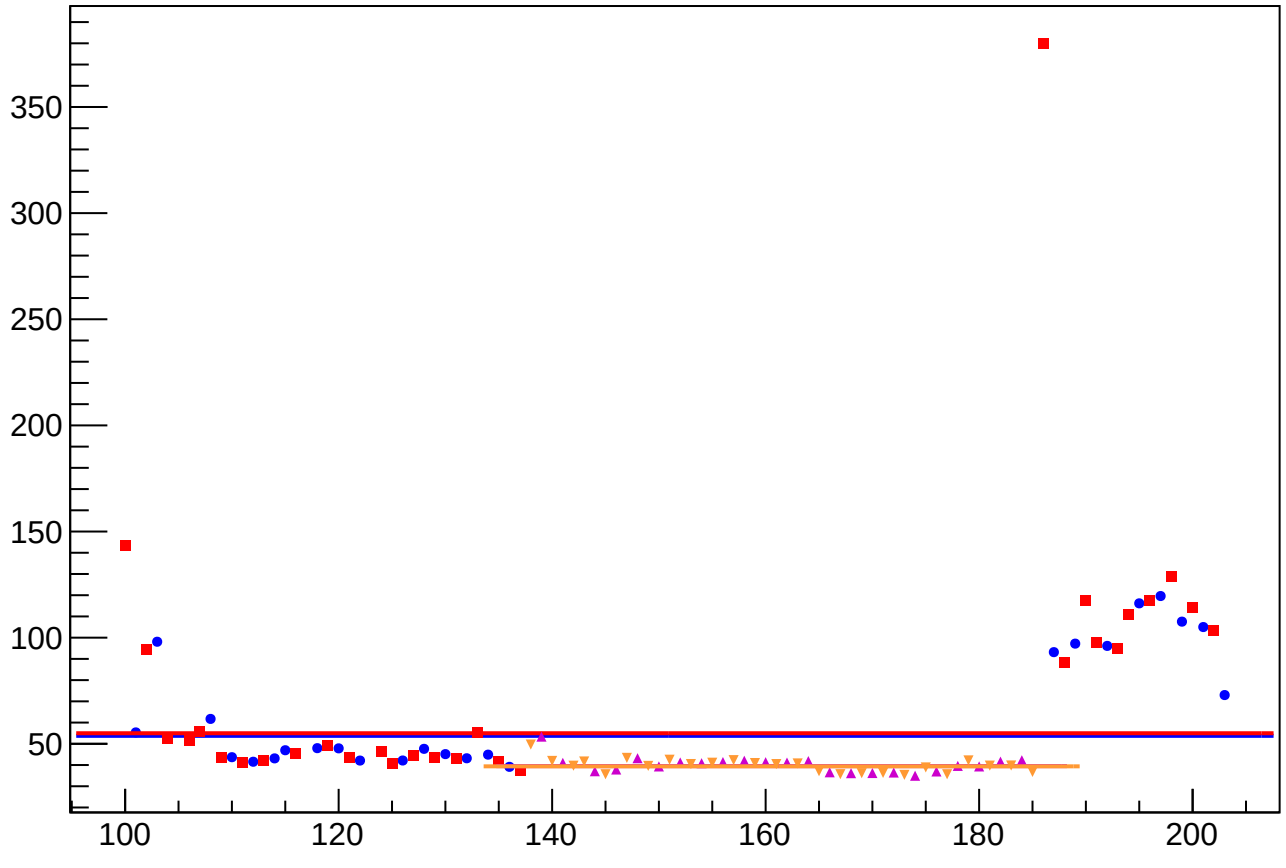
Left: -30.228+/-6.455 χ^2/NDF: 81.6/47

Right: 32.189+/-11.319 χ^2/NDF: 55.2/52

In: -13.243+/-8.027 χ^2/NDF:48.5/46

Out: -16.499+/-7.837 χ^2/NDF:111.1/53

All: -14.910+/-5.608 χ^2/NDF: 159.7/100



Right In: 53.754+/-0.011 χ^2/NDF: 3509824.0/23

Left Out: 39.383+/-0.006 χ^2/NDF:228799.9/24

Right Out: 54.976+/-0.011 χ^2/NDF: 4838672.6/28

Left In: 39.491+/-0.007 χ^2/NDF:251801.8/22

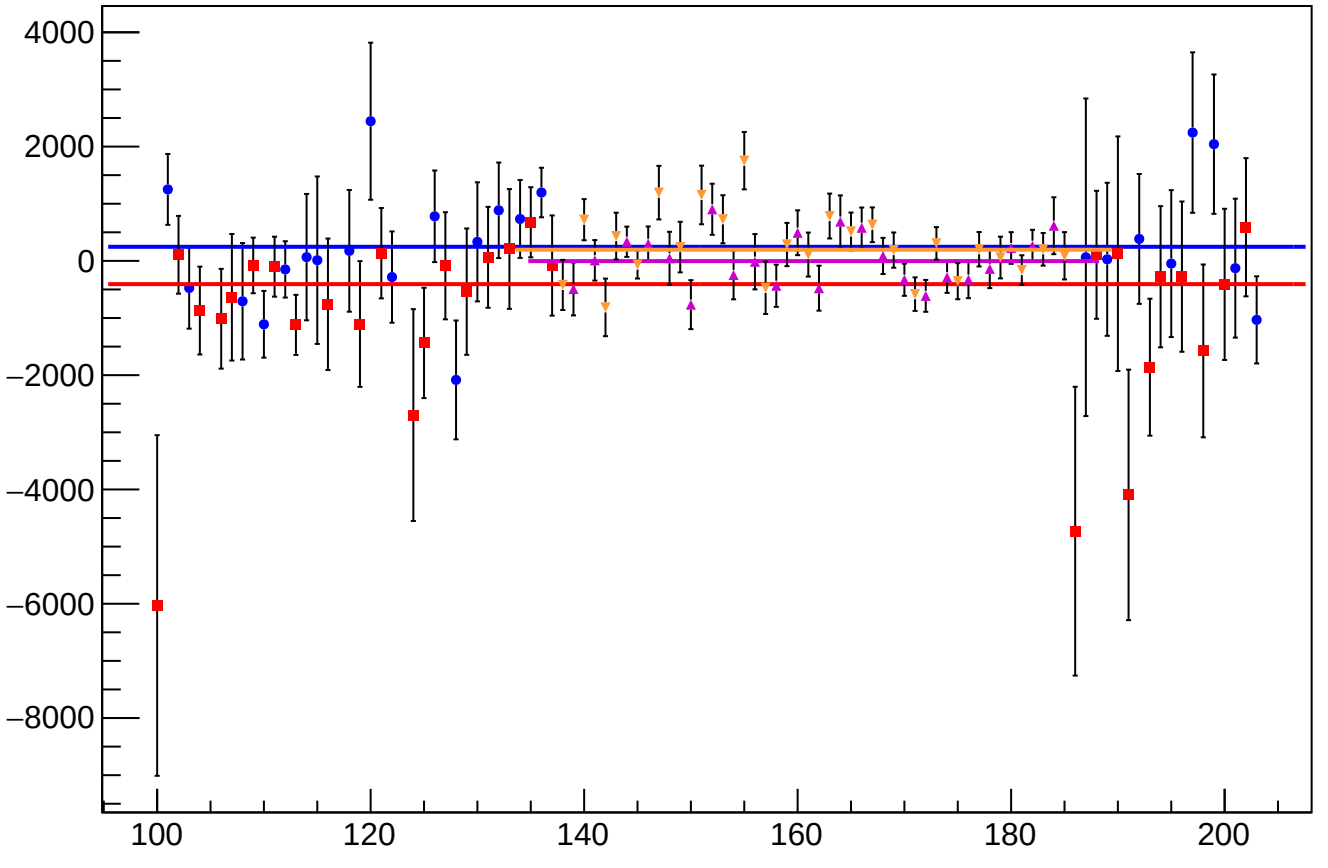
Left: 39.435+/-0.005 χ^2/NDF: 480742.3/47

Right: 54.368+/-0.008 χ^2/NDF: 8354333.1/52

In: 43.062+/-0.006 χ^2/NDF:4946723.2/46

Out: 43.136+/-0.006 χ^2/NDF:6514602.6/53

All: 43.100+/-0.004 χ^2/NDF: 11461411.3/100



Right In: 246.578+/-169.527 χ^2/NDF: 32.2/23

Left Out: 195.028+/-70.093 χ^2/NDF:48.6/24

Right Out: -406.910+/-168.444 χ^2/NDF: 24.1/28

Left In: -4.014+/-71.981 χ^2/NDF:32.4/22

Left: 98.152+/-50.217 χ^2/NDF: 84.9/47

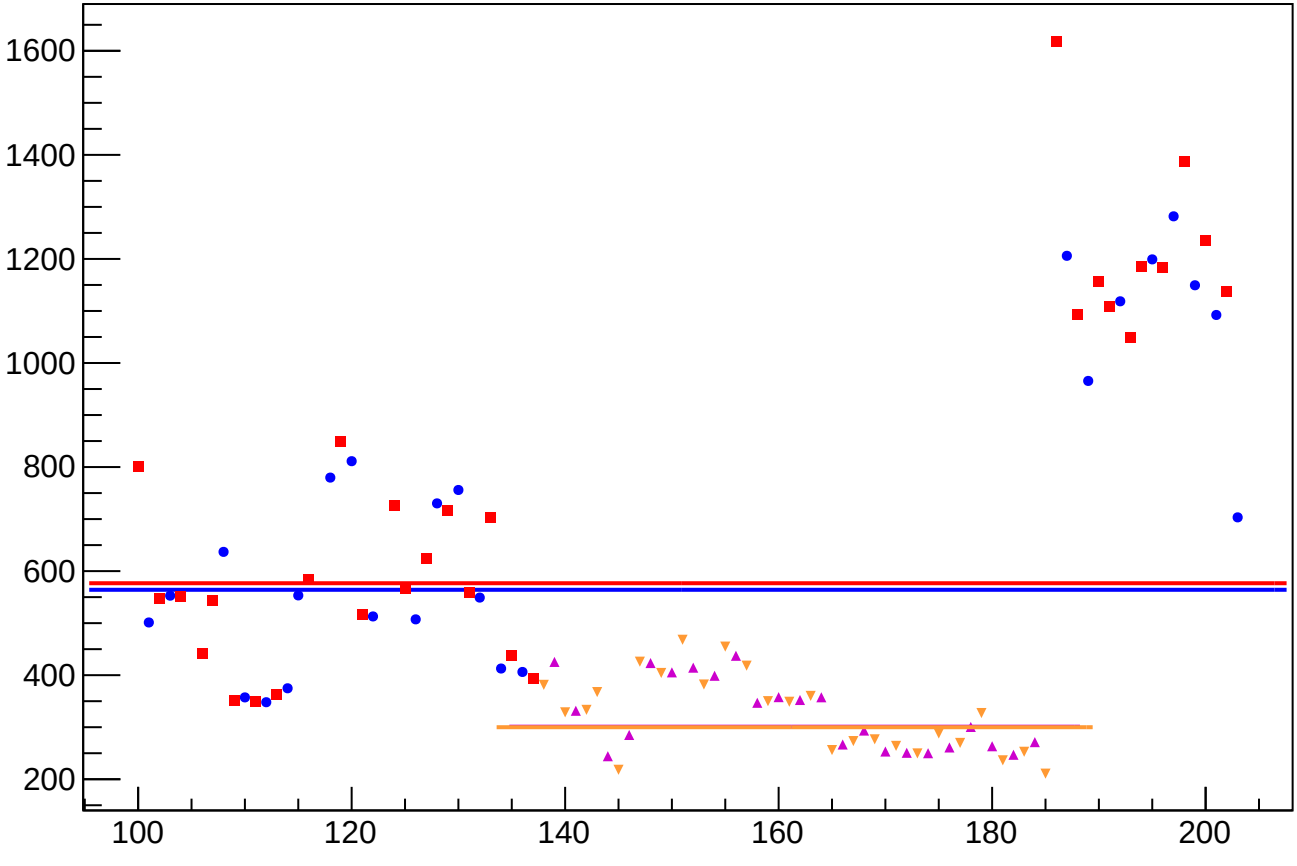
Right: -82.261+/-119.489 χ^2/NDF: 63.7/52

In: 34.263+/-66.256 χ^2/NDF:66.4/46

Out: 106.183+/-64.714 χ^2/NDF:83.6/53

All: 71.070+/-46.295 χ^2/NDF: 150.6/100

asym_sam_15_37_dd_cor_correction_rms vs Slug, Sign Corrected



Right In: 564.102+/-0.120 χ^2/NDF: 4052089.1/23

Left Out: 299.976+/-0.050 χ^2/NDF:1808454.4/24

Right Out: 576.724+/-0.119 χ^2/NDF: 5372863.1/28

Left In: 300.999+/-0.051 χ^2/NDF:1407206.0/22

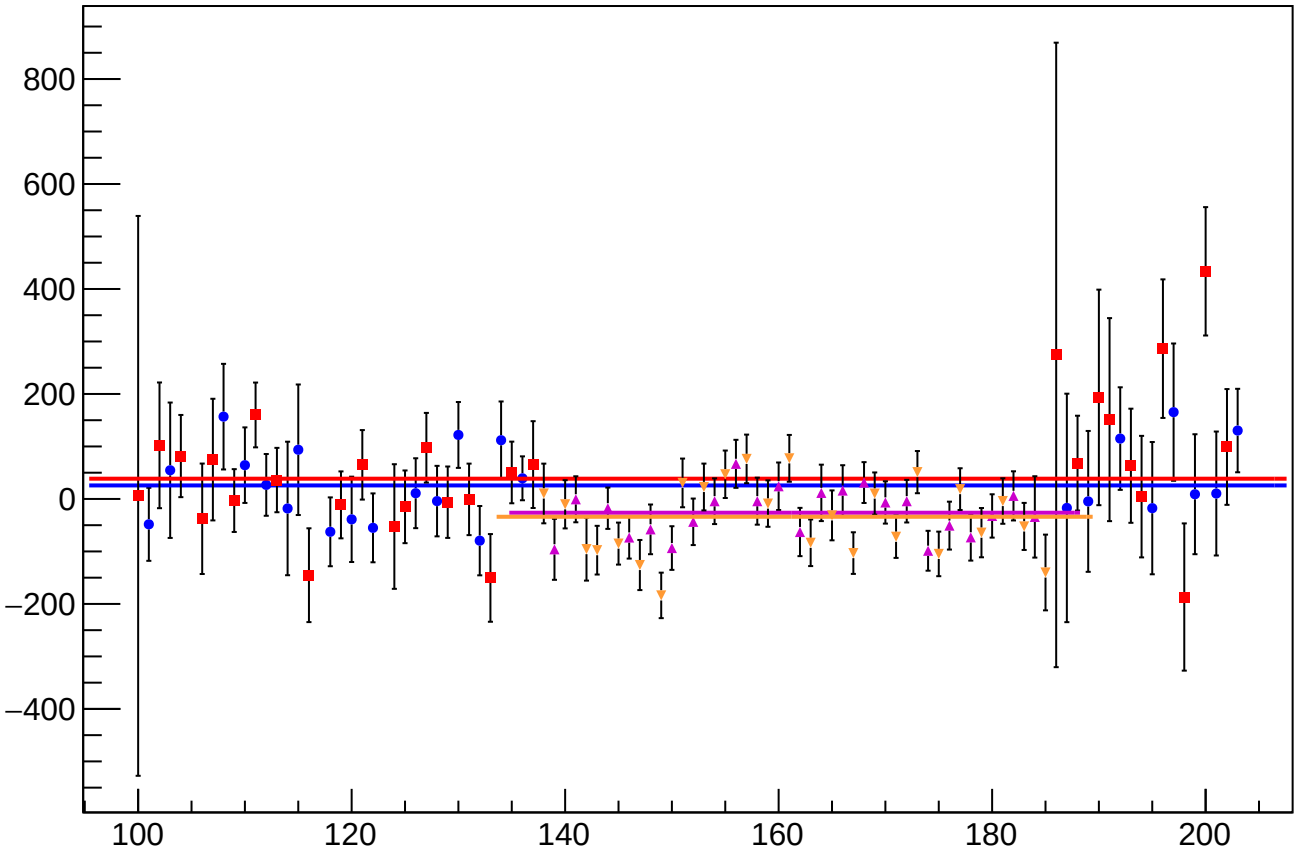
Left: 300.474+/-0.036 χ^2/NDF: 3215867.7/47

Right: 570.454+/-0.084 χ^2/NDF: 9430530.8/52

In: 341.187+/-0.047 χ^2/NDF:9540759.6/46

Out: 340.824+/-0.046 χ^2/NDF:11783155.5/53

All: 341.001+/-0.033 χ^2/NDF: 21323945.9/10



Right In: 25.747+/-16.042 χ^2/NDF: 18.1/23

Left Out: -33.955+/-8.993 χ^2/NDF:58.7/24

Right Out: 38.577+/-15.975 χ^2/NDF: 36.7/28

Left In: -26.267+/-9.271 χ^2/NDF:22.5/22

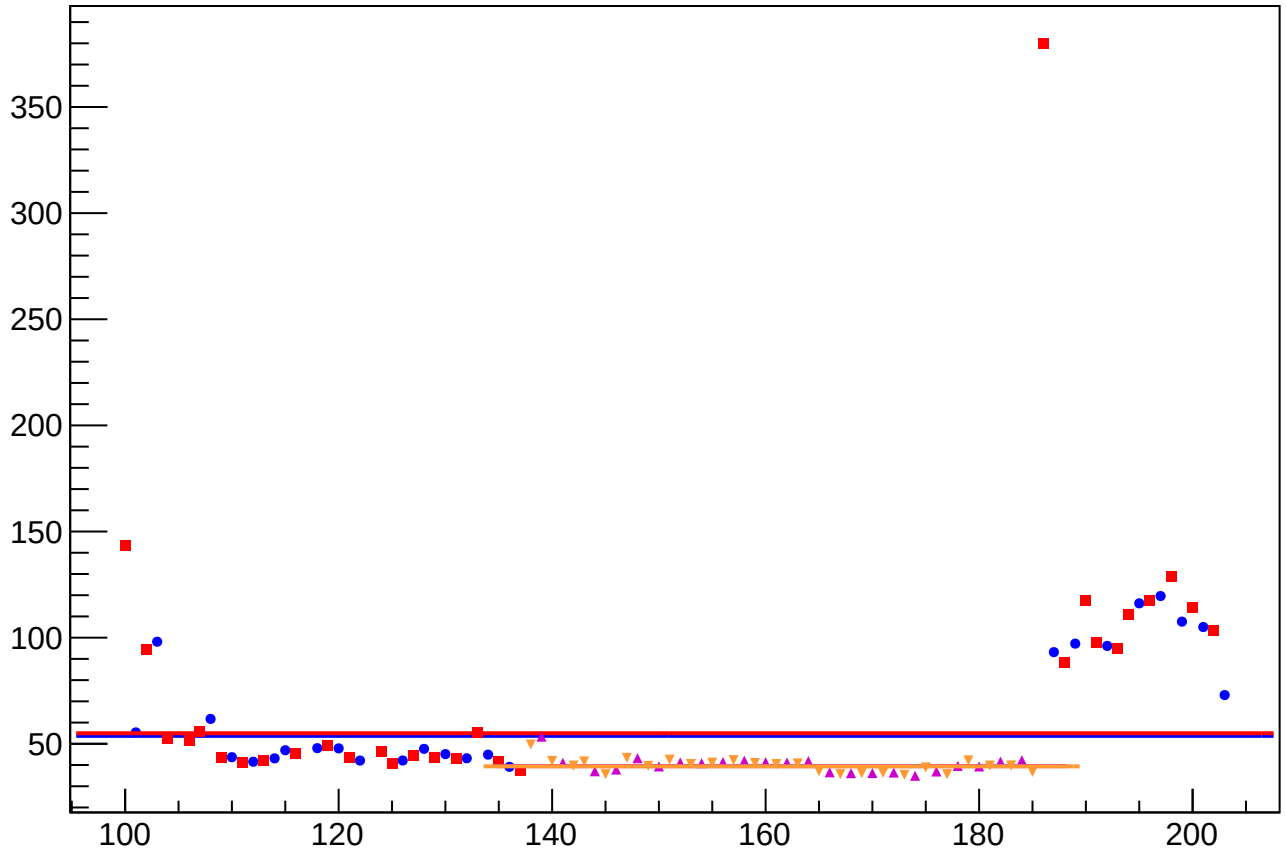
Left: -30.228+/-6.455 χ^2/NDF: 81.6/47

Right: 32.189+/-11.319 χ^2/NDF: 55.2/52

In: -13.243+/-8.027 χ^2/NDF:48.5/46

Out: -16.499+/-7.837 χ^2/NDF:111.1/53

All: -14.910+/-5.608 χ^2/NDF: 159.7/100



Right In: 53.754+/-0.011 χ^2/NDF: 3509824.0/23

Left Out: 39.383+/-0.006 χ^2/NDF:228799.9/24

Right Out: 54.976+/-0.011 χ^2/NDF: 4838672.6/28

Left In: 39.491+/-0.007 χ^2/NDF:251801.8/22

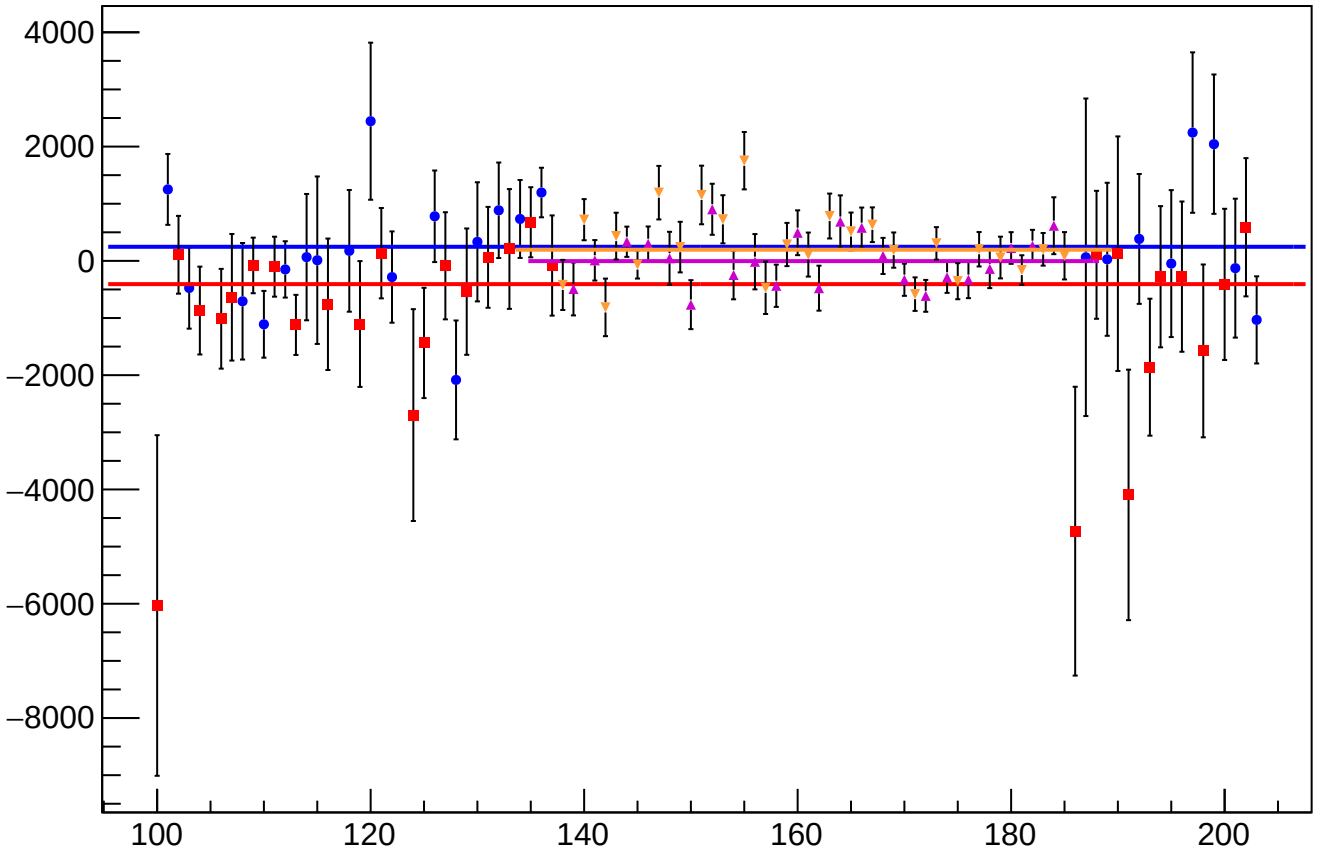
Left: 39.435+/-0.005 χ^2/NDF: 480742.3/47

Right: 54.368+/-0.008 χ^2/NDF: 8354333.1/52

In: 43.062+/-0.006 χ^2/NDF:4946723.2/46

Out: 43.136+/-0.006 χ^2/NDF:6514602.6/53

All: 43.100+/-0.004 χ^2/NDF: 11461411.3/100



Right In: 246.578+/-169.527 χ^2/NDF: 32.2/23

Left Out: 195.028+/-70.093 χ^2/NDF:48.6/24

Right Out: -406.910+/-168.444 χ^2/NDF: 24.1/28

Left In: -4.014+/-71.981 χ^2/NDF:32.4/22

Left: 98.152+/-50.217 χ^2/NDF: 84.9/47

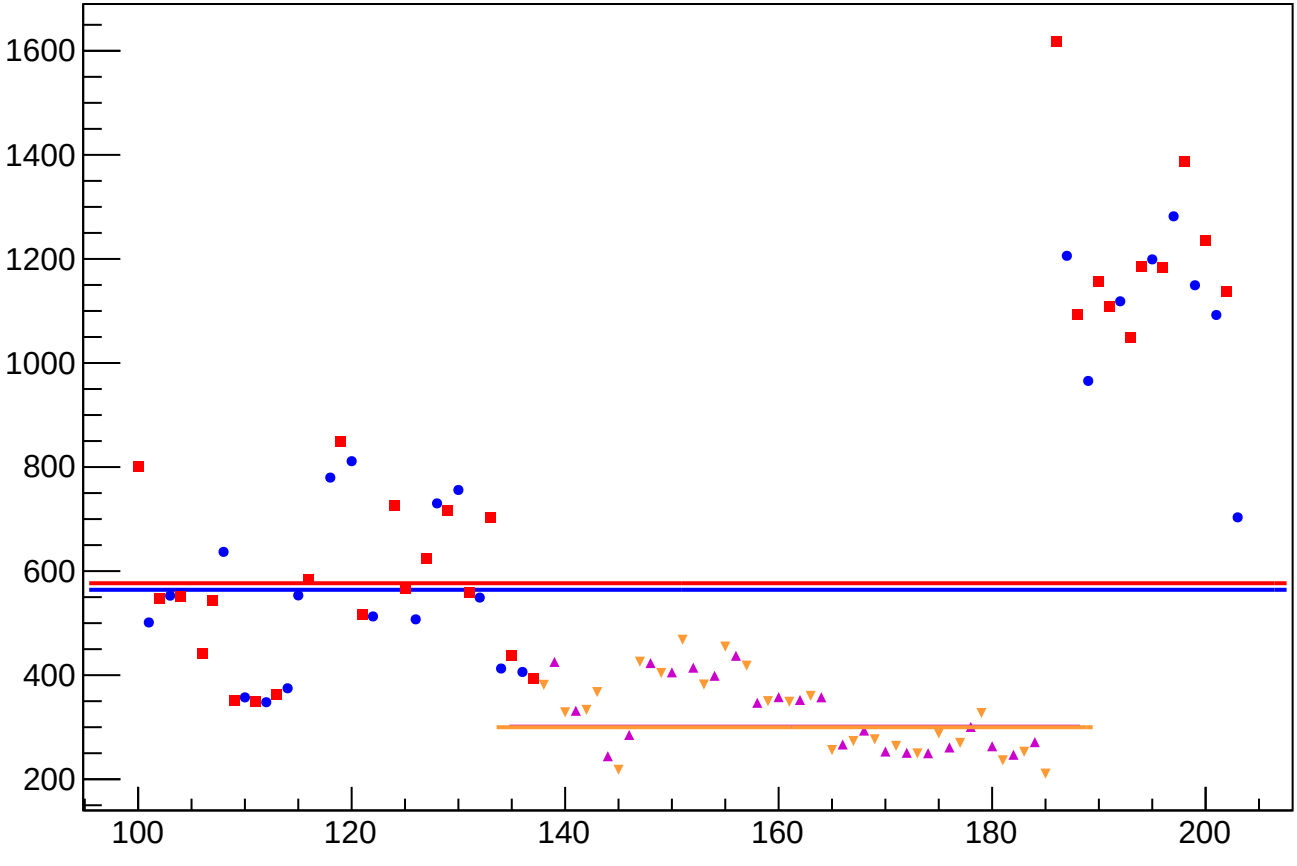
Right: -82.261+/-119.489 χ^2/NDF: 63.7/52

In: 34.263+/-66.256 χ^2/NDF:66.4/46

Out: 106.183+/-64.714 χ^2/NDF:83.6/53

All: 71.070+/-46.295 χ^2/NDF: 150.6/100

asym_sam_15_37_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 564.102+/-0.120 χ^2/NDF: 4052089.1/23

Left Out: 299.976+/-0.050 χ^2/NDF:1808454.4/24

Right Out: 576.724+/-0.119 χ^2/NDF: 5372863.1/28

Left In: 300.999+/-0.051 χ^2/NDF:1407206.0/22

Left: 300.474+/-0.036 χ^2/NDF: 3215867.7/47

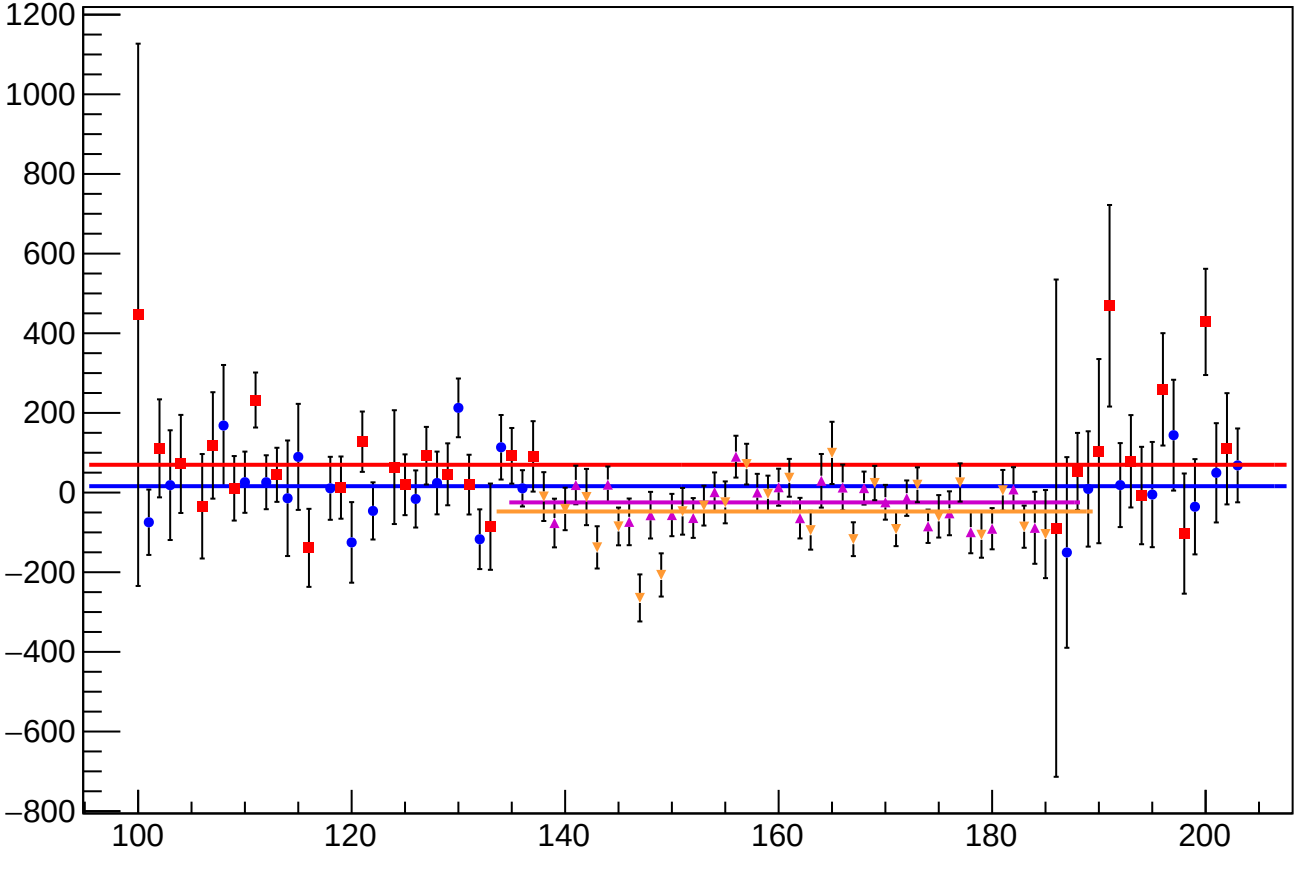
Right: 570.454+/-0.084 χ^2/NDF: 9430530.8/52

In: 341.187+/-0.047 χ^2/NDF:9540759.6/46

Out: 340.824+/-0.046 χ^2/NDF:11783155.5/53

All: 341.001+/-0.033 χ^2/NDF: 21323945.9/10

dit_asym_sam_15_37_dd_mean vs Slug, Sign Corrected



Right In: 16.041+/-18.099 χ^2/NDF: 19.2/23

Left Out: -47.480+/-10.392 χ^2/NDF:54.7/24

Right Out: 69.771+/-18.477 χ^2/NDF: 29.8/28

Left In: -24.687+/-10.660 χ^2/NDF:19.7/22

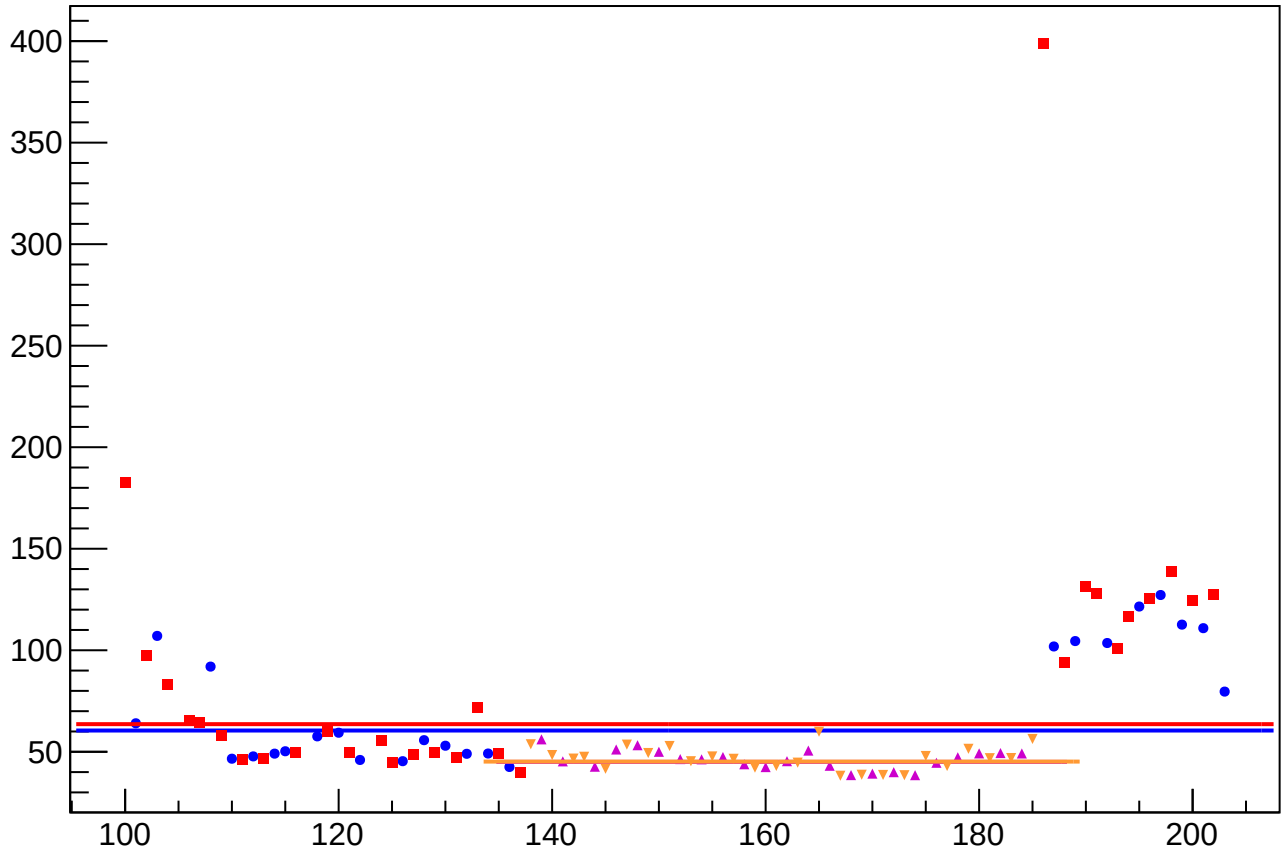
Left: -36.373+/-7.441 χ^2/NDF: 76.7/47

Right: 42.351+/-12.929 χ^2/NDF: 53.3/52

In: -14.197+/-9.185 χ^2/NDF:42.6/46

Out: -19.302+/-9.058 χ^2/NDF:115.1/53

All: -16.785+/-6.449 χ^2/NDF: 157.9/100



Right In: 60.475+/-0.013 χ^2/NDF: 3334669.4/23

Left Out: 45.175+/-0.007 χ^2/NDF:489860.2/24

Right Out: 63.610+/-0.013 χ^2/NDF: 4632727.6/28

Left In: 45.017+/-0.008 χ^2/NDF:372690.8/22

Left: 45.098+/-0.005 χ^2/NDF: 862775.1/47

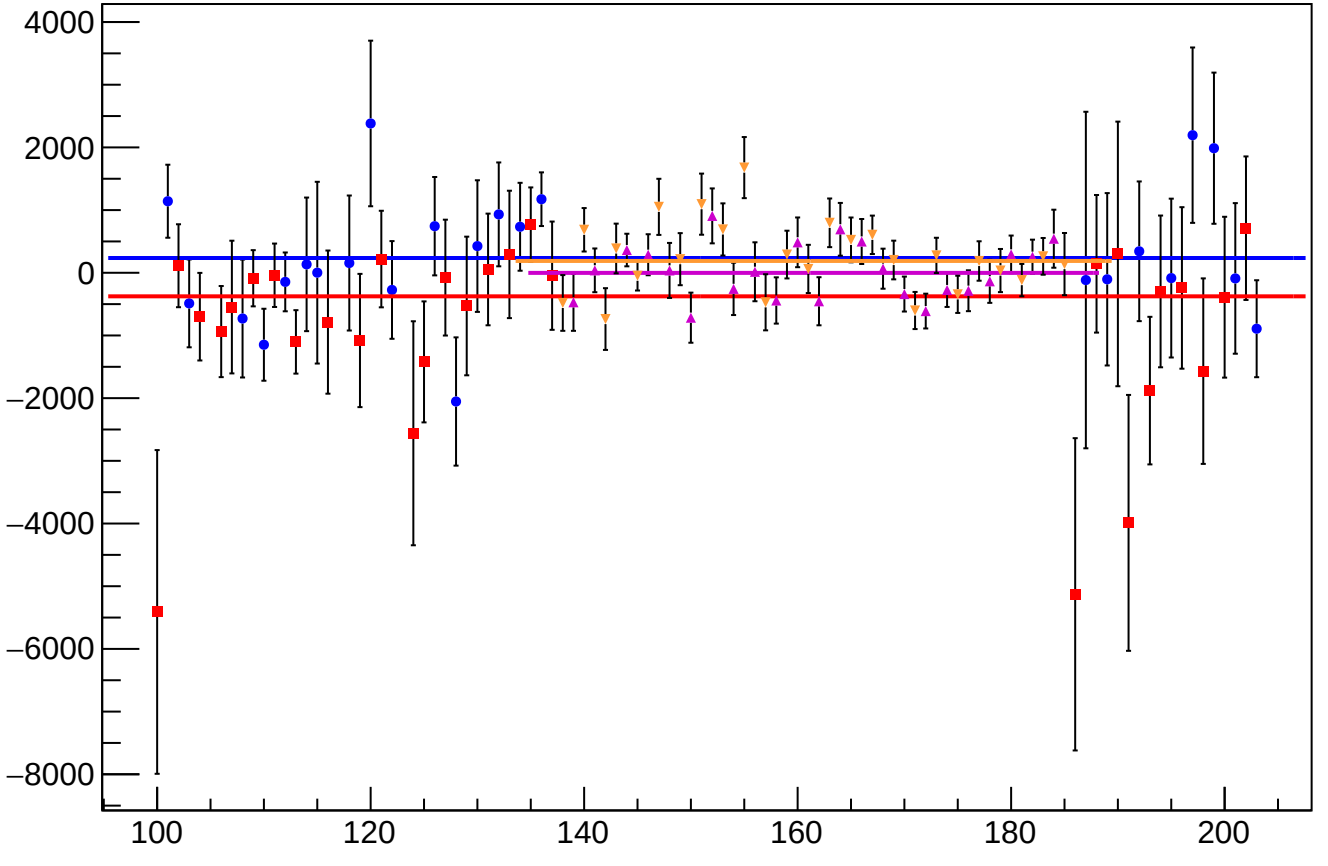
Right: 62.010+/-0.009 χ^2/NDF: 7996788.0/52

In: 48.998+/-0.006 χ^2/NDF:4790427.9/46

Out: 49.605+/-0.006 χ^2/NDF:6635105.6/53

All: 49.306+/-0.005 χ^2/NDF: 11429960.0/100

asym_sam_15_37_dd_dit_correction_mean vs Slug, Sign Corrected



Right In: 235.724+/-166.142 χ^2/NDF: 32.0/23

Left Out: 188.812+/-69.714 χ^2/NDF:46.8/24

Right Out: -375.683+/-161.249 χ^2/NDF: 26.9/28

Left In: -1.655+/-71.712 χ^2/NDF:32.2/22

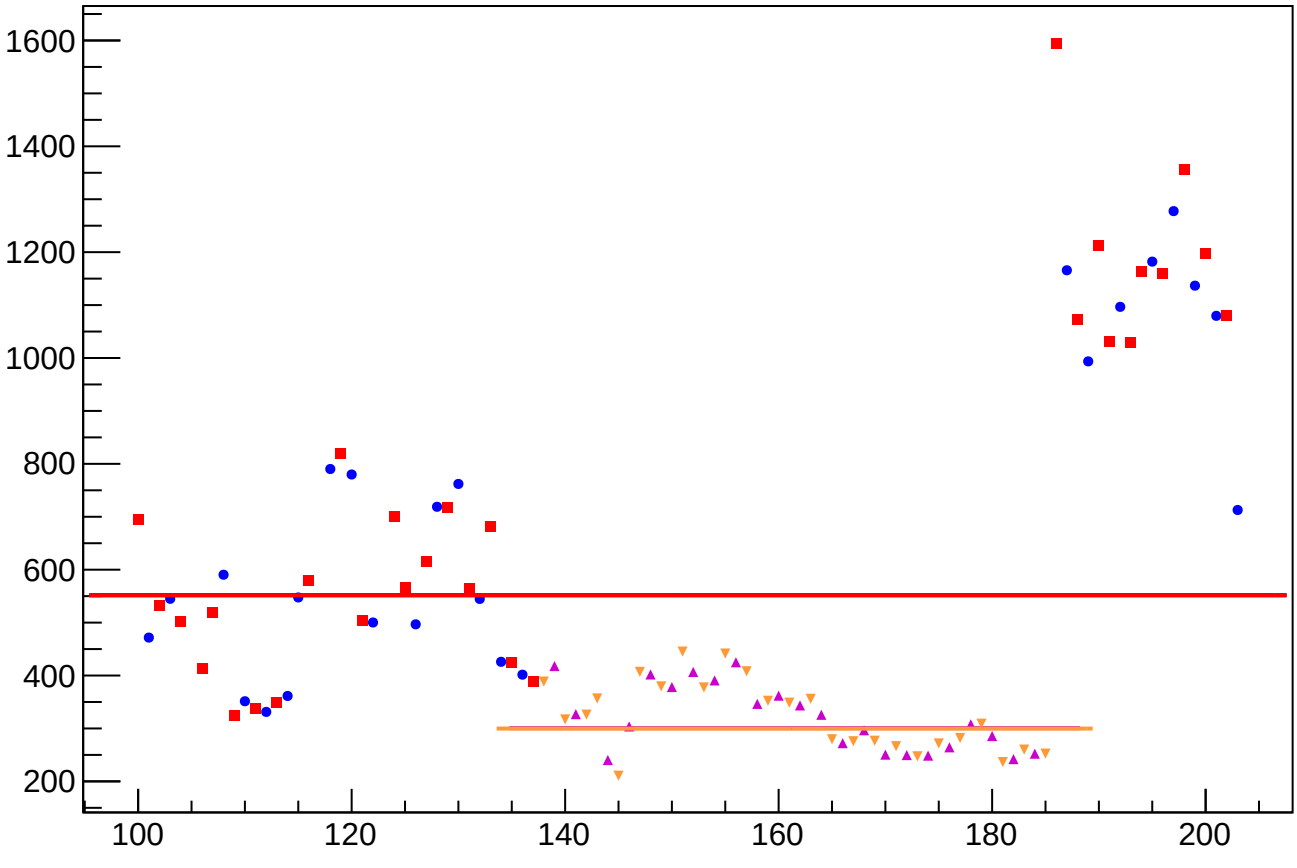
Left: 96.270+/-49.987 χ^2/NDF: 82.6/47

Right: -79.117+/-115.711 χ^2/NDF: 65.9/52

In: 35.625+/-65.841 χ^2/NDF:66.0/46

Out: 99.916+/-63.989 χ^2/NDF:83.9/53

All: 68.687+/-45.888 χ^2/NDF: 150.4/100



Right In: 551.782+/-0.117 χ^2/NDF: 4178106.5/23

Left Out: 299.798+/-0.049 χ^2/NDF:1577420.4/24

Right Out: 551.627+/-0.114 χ^2/NDF: 5602205.2/28

Left In: 300.544+/-0.051 χ^2/NDF:1259270.5/22

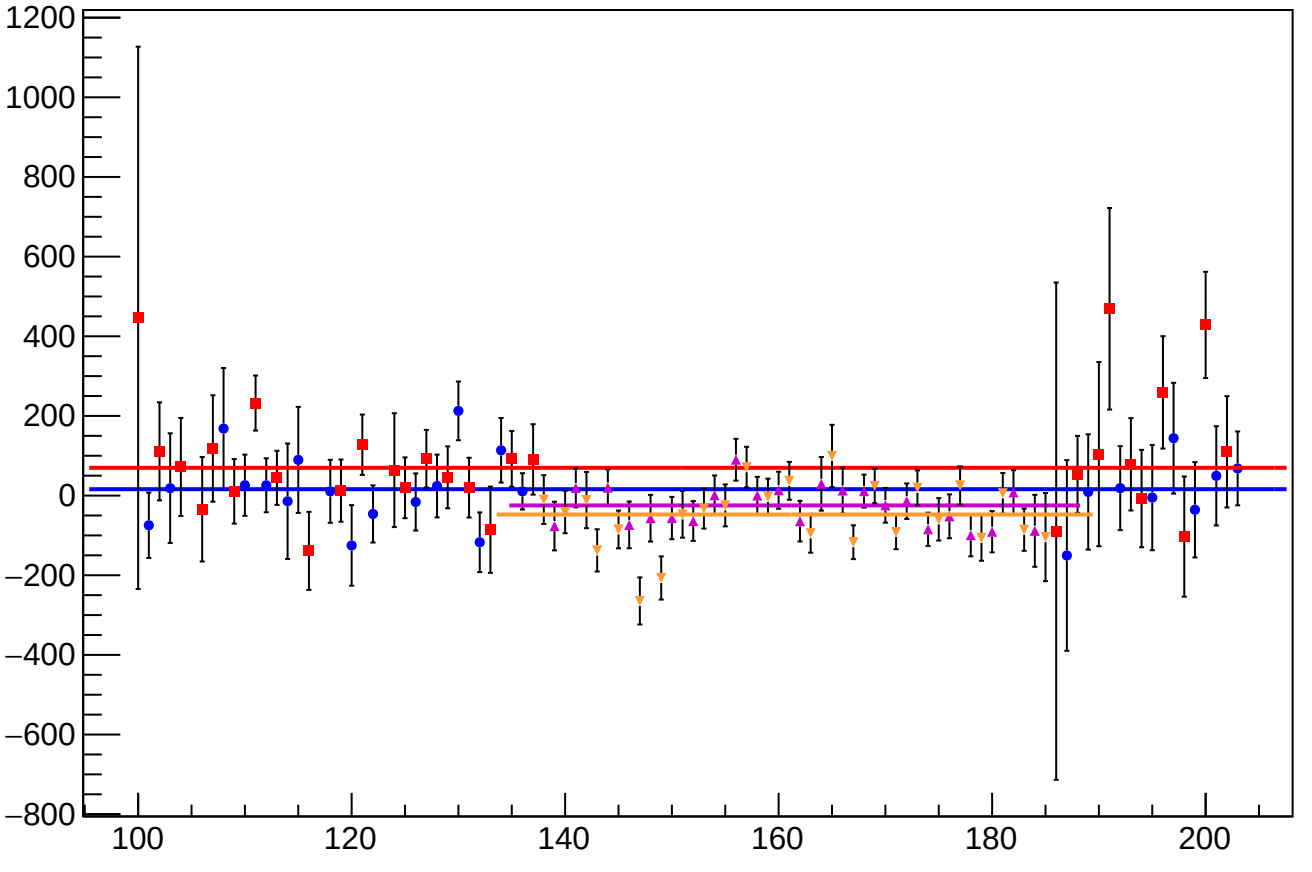
Left: 300.161+/-0.035 χ^2/NDF: 2836802.1/47

Right: 551.702+/-0.082 χ^2/NDF: 9780312.7/52

In: 340.000+/-0.047 χ^2/NDF:9292552.8/46

Out: 339.456+/-0.045 χ^2/NDF:11289498.5/53

All: 339.720+/-0.032 χ^2/NDF: 20582121.6/10



Right In: 16.041+/-18.099 χ^2/NDF: 19.2/23

Left Out: -47.480+/-10.392 χ^2/NDF:54.7/24

Right Out: 69.772+/-18.477 χ^2/NDF: 29.8/28

Left In: -24.687+/-10.660 χ^2/NDF:19.7/22

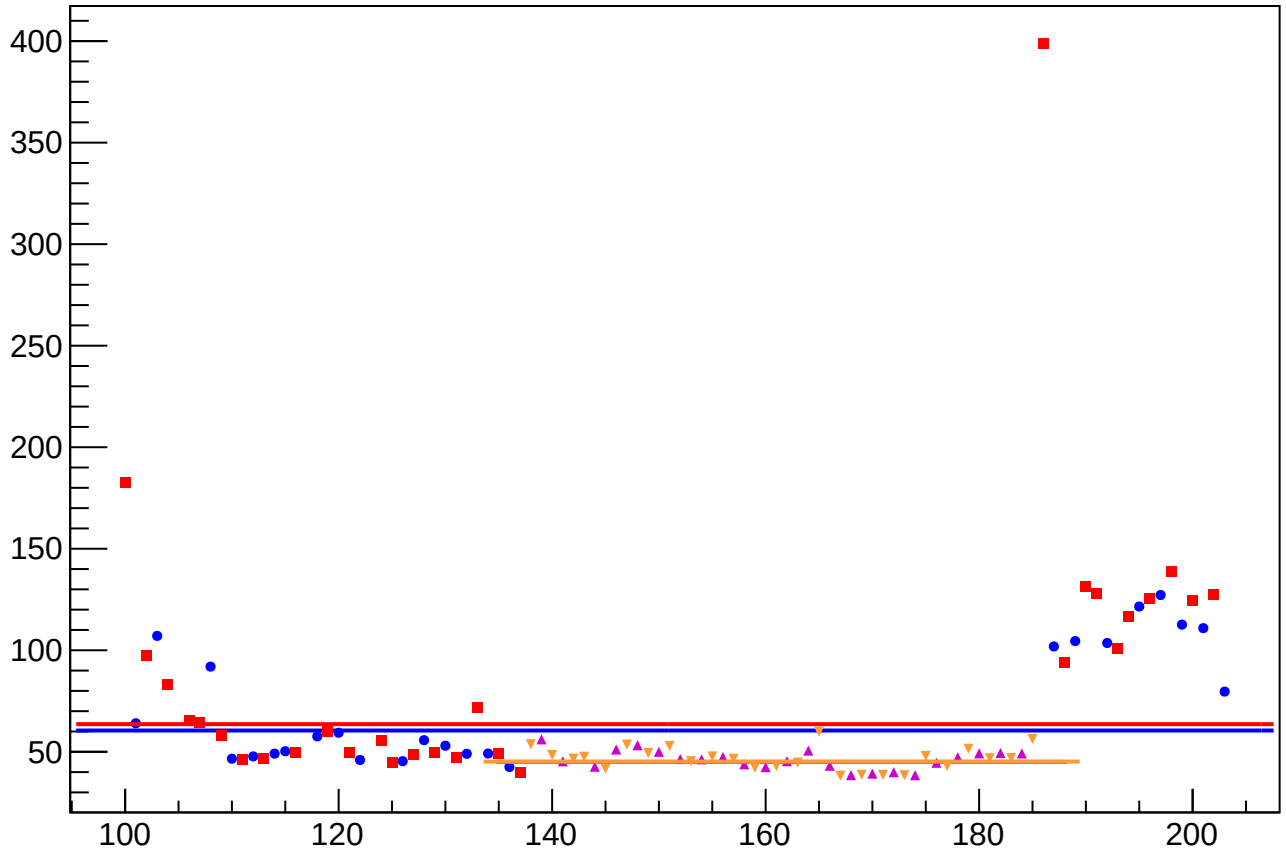
Left: -36.373+/-7.441 χ^2/NDF: 76.7/47

Right: 42.352+/-12.929 χ^2/NDF: 53.3/52

In: -14.198+/-9.185 χ^2/NDF:42.6/46

Out: -19.302+/-9.058 χ^2/NDF:115.1/53

All: -16.786+/-6.449 χ^2/NDF: 157.9/100



Right In: 60.475+/-0.013 χ^2/NDF: 3334675.0/23

Left Out: 45.175+/-0.007 χ^2/NDF:489860.2/24

Right Out: 63.610+/-0.013 χ^2/NDF: 4632731.7/28

Left In: 45.017+/-0.008 χ^2/NDF:372691.9/22

Left: 45.098+/-0.005 χ^2/NDF: 862776.2/47

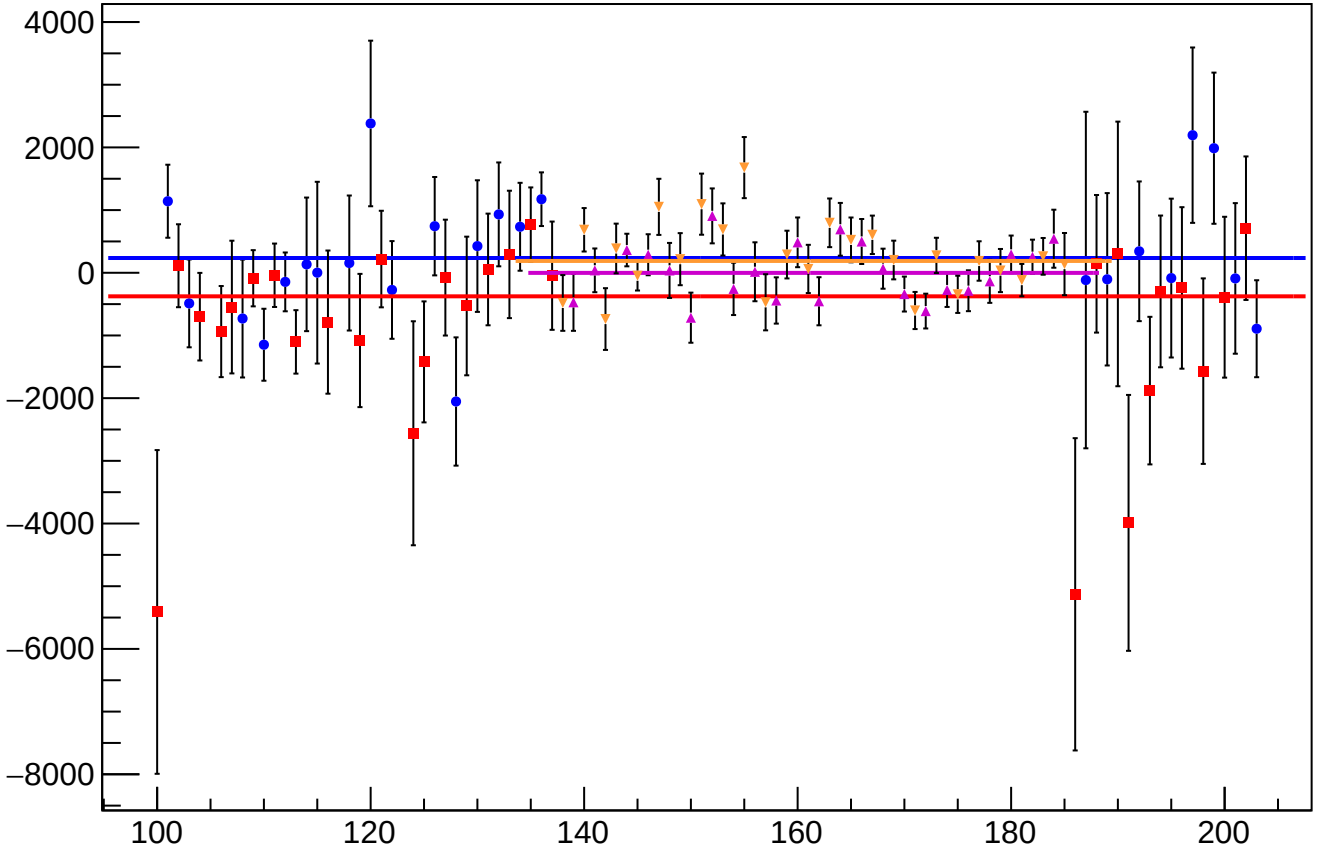
Right: 62.010+/-0.009 χ^2/NDF: 7996798.5/52

In: 48.998+/-0.006 χ^2/NDF:4790431.5/46

Out: 49.605+/-0.006 χ^2/NDF:6635118.5/53

All: 49.306+/-0.005 χ^2/NDF: 11429976.2/100

asym_sam_15_37_dd_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: 235.723+/-166.142 χ^2/NDF: 32.0/23

Left Out: 188.813+/-69.714 χ^2/NDF:46.8/24

Right Out: -375.683+/-161.248 χ^2/NDF: 26.9/28

Left In: -1.654+/-71.712 χ^2/NDF:32.2/22

Left: 96.270+/-49.987 χ^2/NDF: 82.6/47

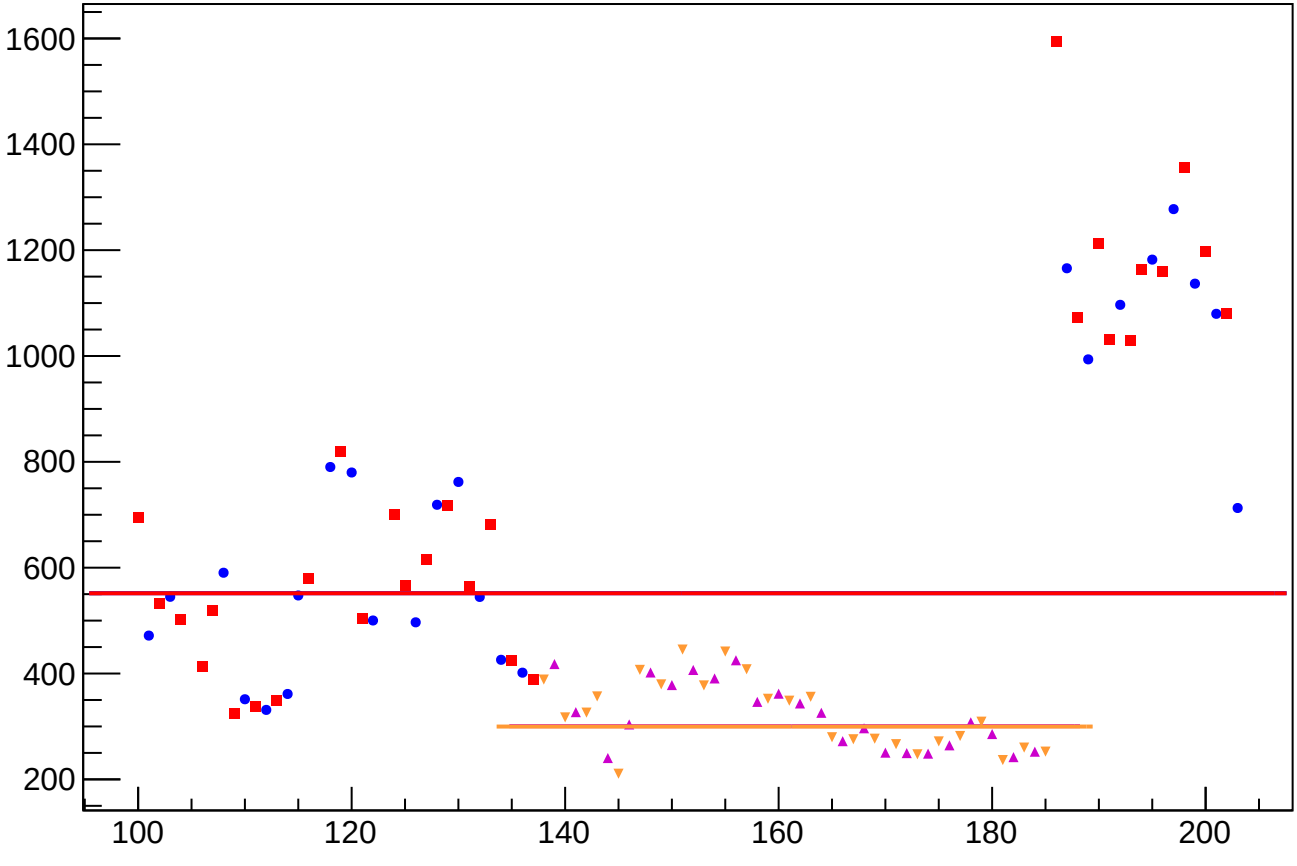
Right: -79.117+/-115.711 χ^2/NDF: 65.9/52

In: 35.625+/-65.841 χ^2/NDF:66.0/46

Out: 99.916+/-63.989 χ^2/NDF:83.9/53

All: 68.687+/-45.888 χ^2/NDF: 150.4/100

asym_sam_15_37_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 551.781+/-0.117 χ^2/NDF: 4178116.5/23

Left Out: 299.798+/-0.049 χ^2/NDF:1577421.4/24

Right Out: 551.626+/-0.114 χ^2/NDF: 5602210.9/28

Left In: 300.544+/-0.051 χ^2/NDF:1259265.2/22

Left: 300.161+/-0.035 χ^2/NDF: 2836797.9/47

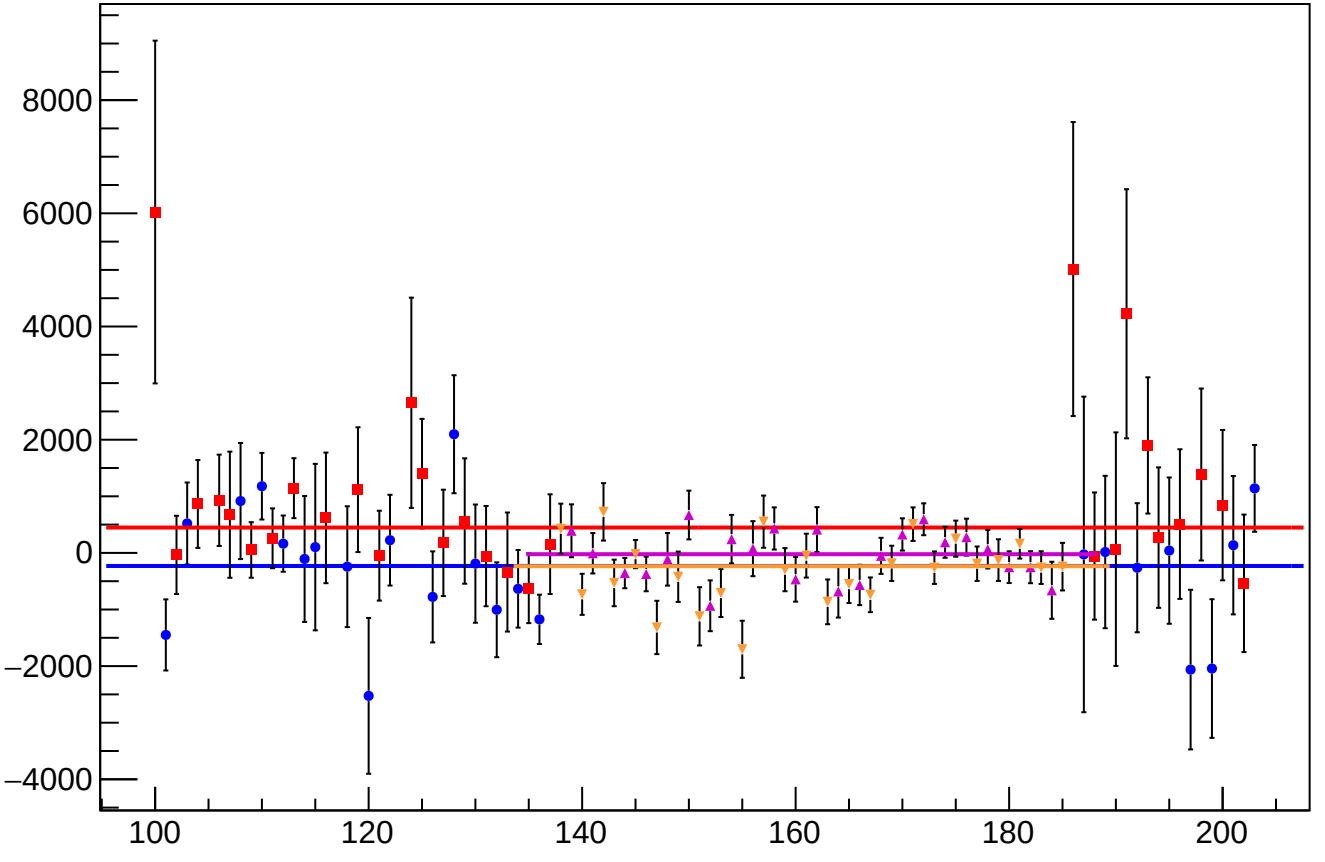
Right: 551.701+/-0.082 χ^2/NDF: 9780328.3/52

In: 340.001+/-0.047 χ^2/NDF:9292525.4/46

Out: 339.456+/-0.045 χ^2/NDF:11289477.7/53

All: 339.721+/-0.032 χ^2/NDF: 20582073.4/10

asym_sam_15_37_dd_mean vs Slug, Sign Corrected



Right In: -230.744+/-170.624 χ^2/NDF: 34.2/23

Left Out: -235.168+/-70.741 χ^2/NDF:47.5/24

Right Out: 448.033+/-168.932 χ^2/NDF: 23.2/28

Left In: -22.662+/-72.642 χ^2/NDF:29.9/22

Left: -131.732+/-50.680 χ^2/NDF: 81.7/47

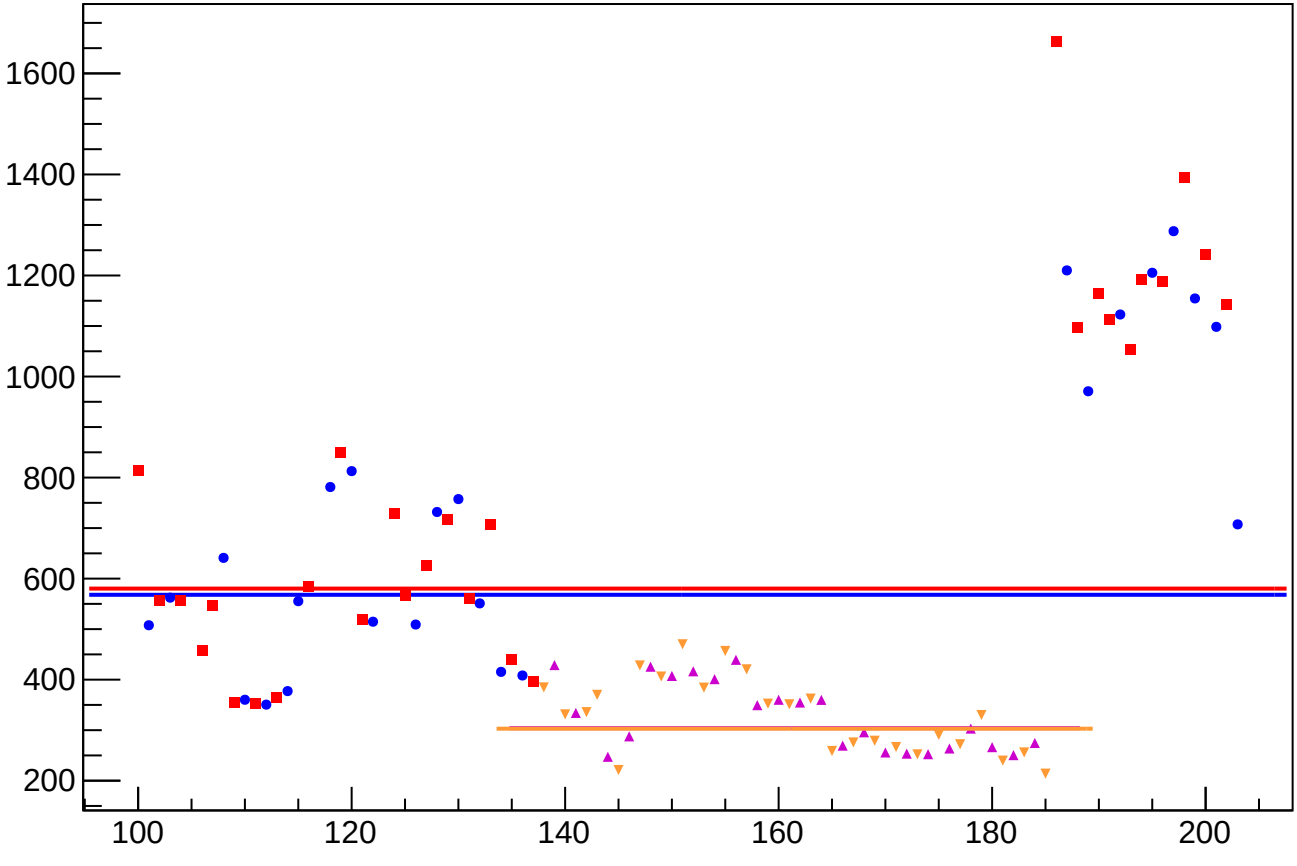
Right: 112.026+/-120.047 χ^2/NDF: 65.4/52

In: -54.592+/-66.837 χ^2/NDF:65.3/46

Out: -133.239+/-65.251 χ^2/NDF:84.6/53

All: -94.859+/-46.690 χ^2/NDF: 150.6/100

asym_sam_15_37_dd_rms vs Slug, Sign Corrected



Right In: 567.977+/-0.121 χ^2/NDF: 4034167.2/23

Left Out: 302.944+/-0.050 χ^2/NDF:1766061.8/24

Right Out: 580.242+/-0.119 χ^2/NDF: 5355647.6/28

Left In: 303.923+/-0.051 χ^2/NDF:1376278.3/22

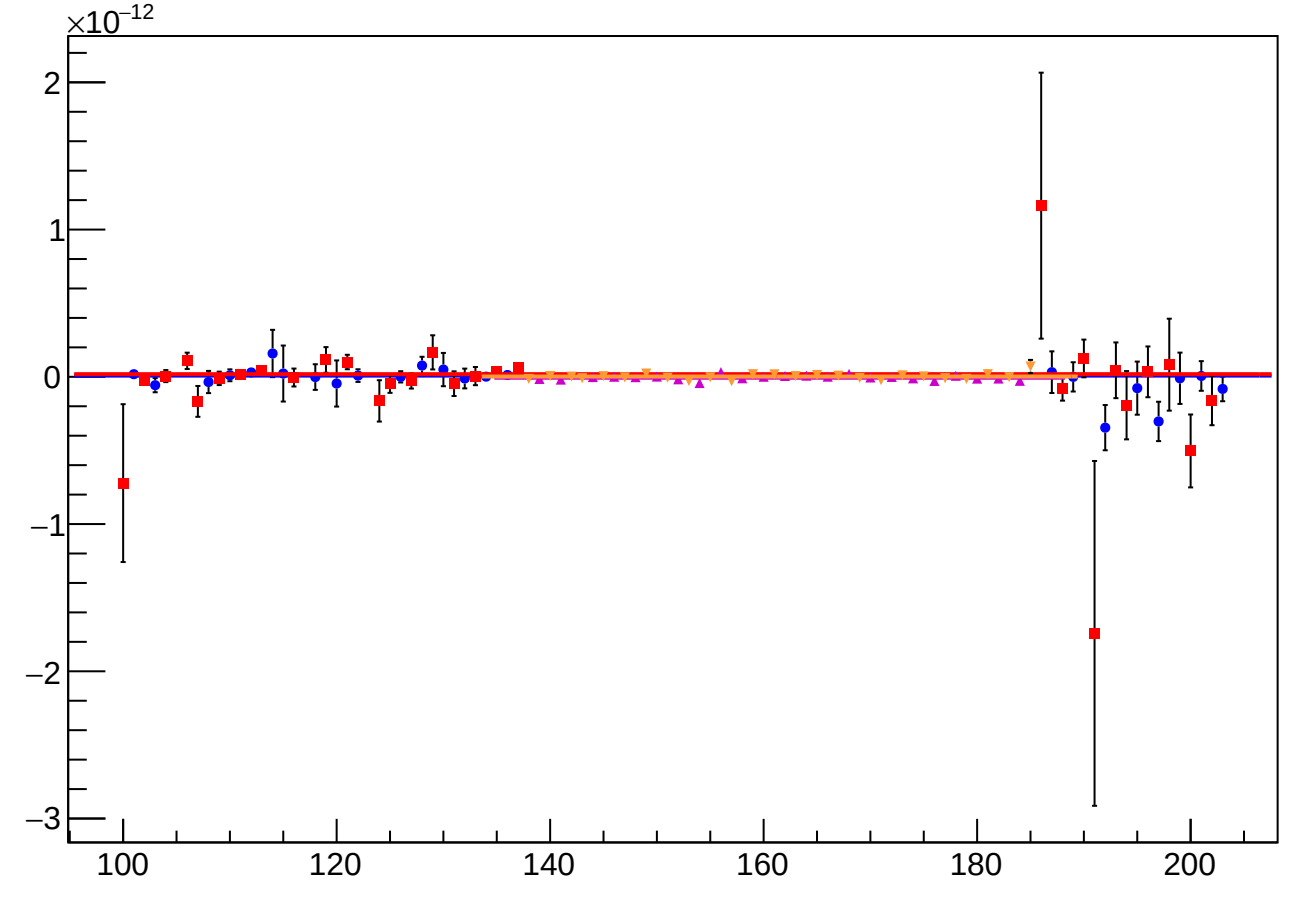
Left: 303.420+/-0.036 χ^2/NDF: 3142526.7/47

Right: 574.171+/-0.085 χ^2/NDF: 9395033.3/52

In: 344.441+/-0.047 χ^2/NDF:9465448.5/46

Out: 344.315+/-0.046 χ^2/NDF:11706618.4/53

All: 344.376+/-0.033 χ^2/NDF: 21172070.5/10



Right In: 0.000+/-0.000 χ^2/NDF: 17.7/23

Left Out: 0.000+/-0.000 χ^2/NDF:22.9/24

Right Out: 0.000+/-0.000 χ^2/NDF: 36.1/28

Left In: -0.000+/-0.000 χ^2/NDF:18.2/22

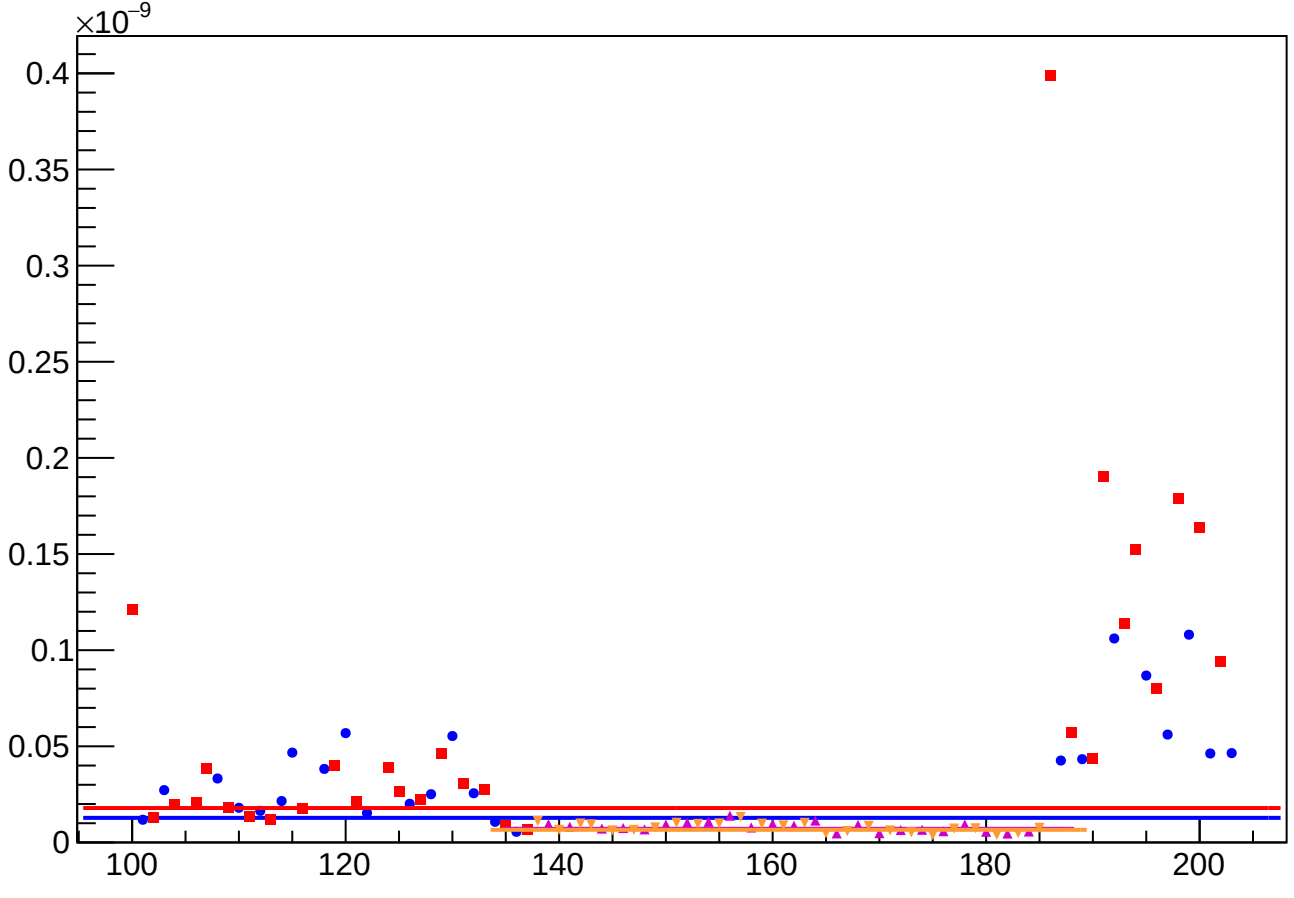
Left: -0.000+/-0.000 χ^2/NDF: 45.3/47

Right: 0.000+/-0.000 χ^2/NDF: 54.5/52

In: -0.000+/-0.000 χ^2/NDF:38.9/46

Out: 0.000+/-0.000 χ^2/NDF:61.4/53

All: -0.000+/-0.000 χ^2/NDF: 104.2/100



Right In: 0.000+/-0.000 χ^2/NDF: 4883036.5/23

Left Out: 0.000+/-0.000 χ^2/NDF:1479029.9/24

Right Out: 0.000+/-0.000 χ^2/NDF: 5290700.4/28

Left In: 0.000+/-0.000 χ^2/NDF:981529.7/22

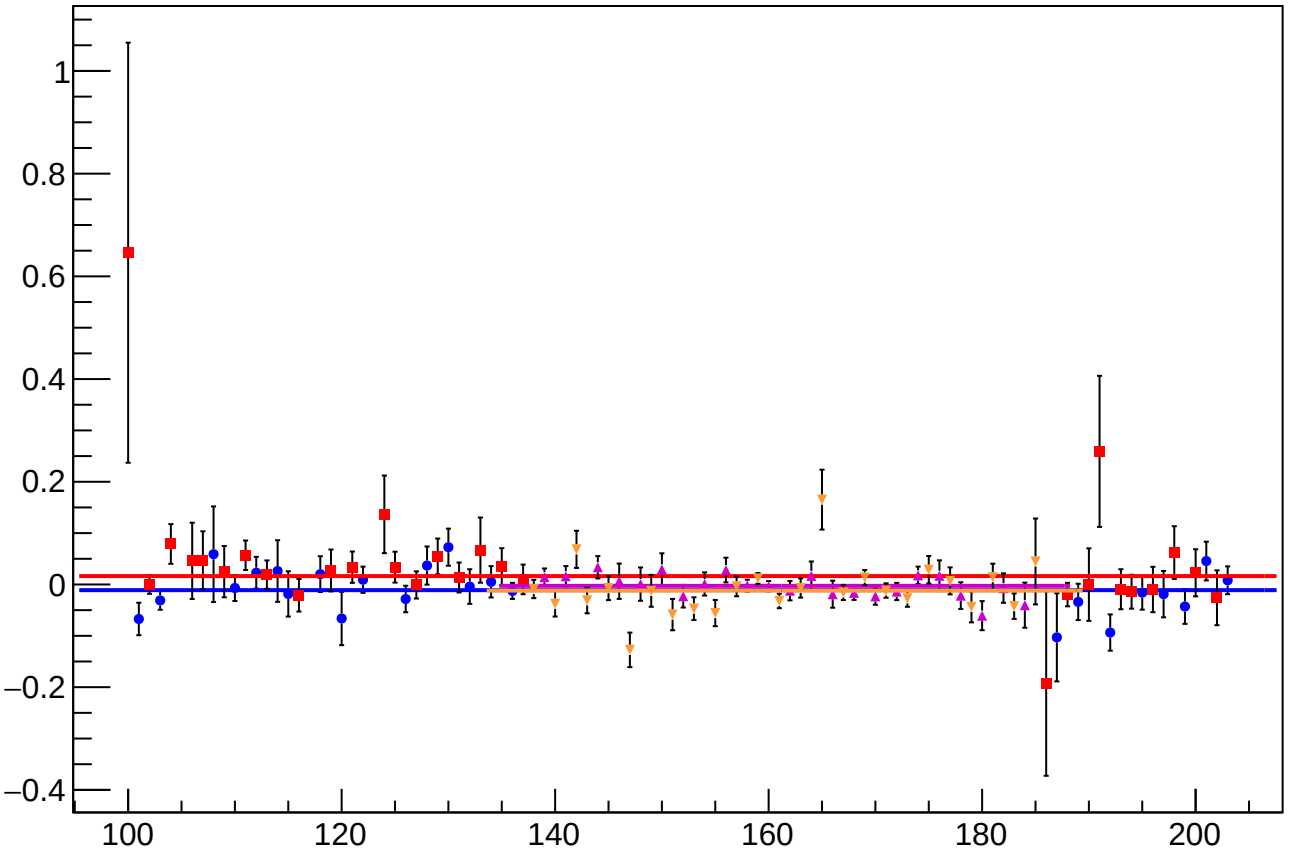
Left: 0.000+/-0.000 χ^2/NDF: 2496461.4/47

Right: 0.000+/-0.000 χ^2/NDF: 10493452.7/52

In: 0.000+/-0.000 χ^2/NDF:6794519.8/46

Out: 0.000+/-0.000 χ^2/NDF:9135086.3/53

All: 0.000+/-0.000 χ^2/NDF: 15960297.1/100



Right In: -0.011+/-0.006 χ^2/NDF: 27.7/23

Left Out: -0.012+/-0.004 χ^2/NDF:53.4/24

Right Out: 0.016+/-0.007 χ^2/NDF: 25.2/28

Left In: -0.003+/-0.004 χ^2/NDF:19.8/22

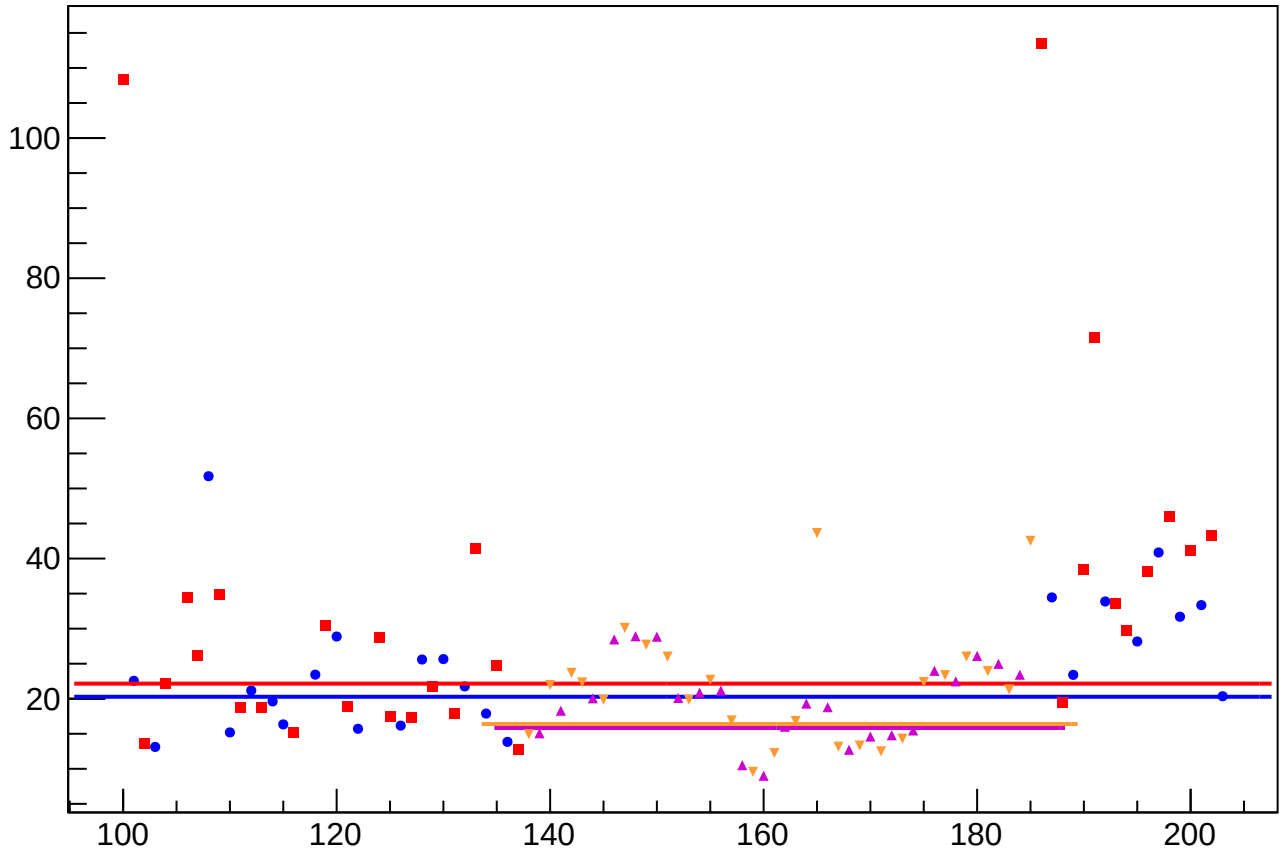
Left: -0.007+/-0.003 χ^2/NDF: 75.7/47

Right: 0.002+/-0.005 χ^2/NDF: 61.8/52

In: -0.005+/-0.003 χ^2/NDF:48.7/46

Out: -0.004+/-0.003 χ^2/NDF:91.5/53

All: -0.005+/-0.002 χ^2/NDF: 140.2/100



Right In: 20.280+/-0.004 χ^2/NDF: 2634992.6/23

Left Out: 16.387+/-0.003 χ^2/NDF:4030028.3/24

Right Out: 22.155+/-0.005 χ^2/NDF: 4069435.3/28

Left In: 15.824+/-0.003 χ^2/NDF:3654469.7/22

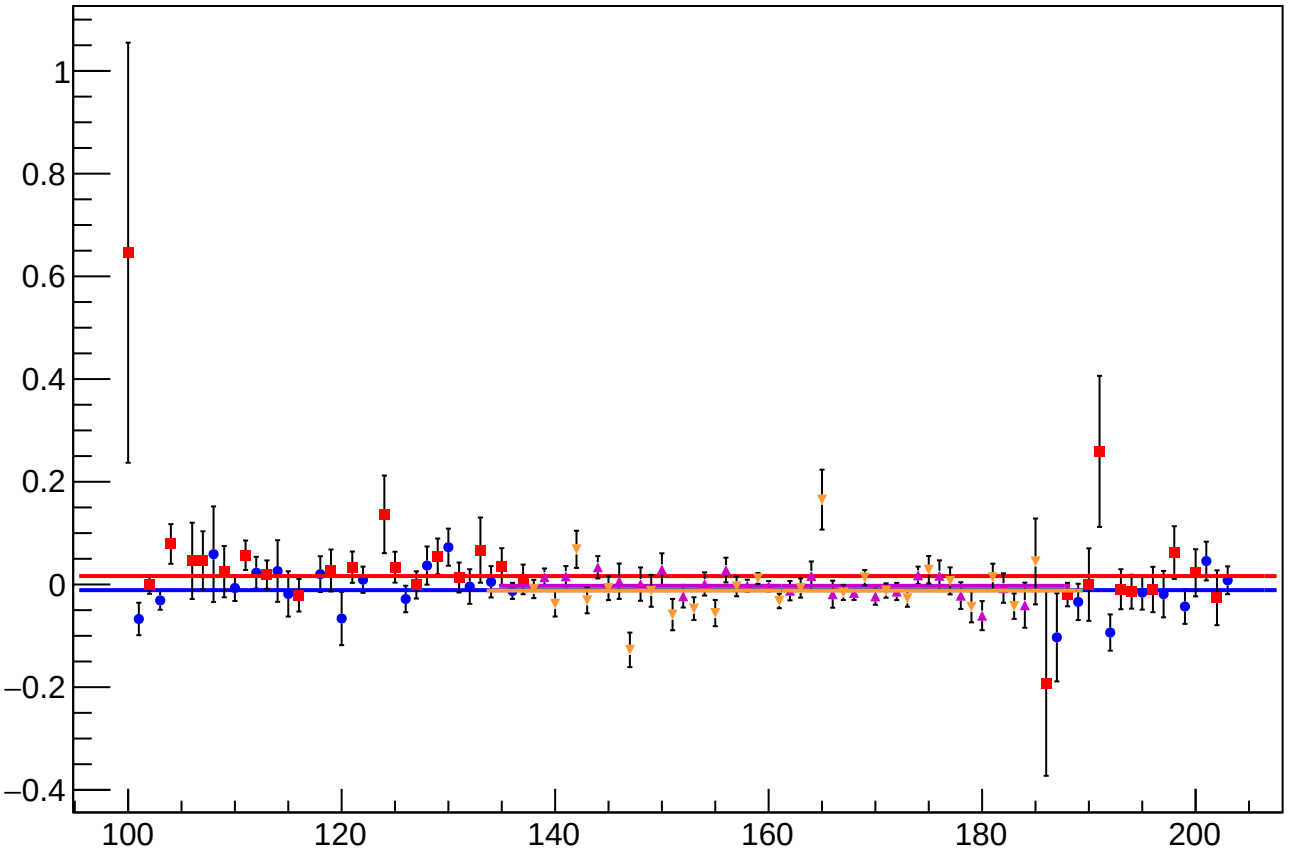
Left: 16.104+/-0.002 χ^2/NDF: 7703852.9/47

Right: 21.155+/-0.003 χ^2/NDF: 6787592.4/52

In: 17.128+/-0.002 χ^2/NDF:7002037.5/46

Out: 17.935+/-0.002 χ^2/NDF:9178972.2/53

All: 17.522+/-0.002 χ^2/NDF: 16236007.2/100



Right In: -0.011+/-0.006 χ^2/NDF: 27.7/23

Left Out: -0.012+/-0.004 χ^2/NDF:53.4/24

Right Out: 0.016+/-0.007 χ^2/NDF: 25.2/28

Left In: -0.003+/-0.004 χ^2/NDF:19.8/22

Left: -0.007+/-0.003 χ^2/NDF: 75.7/47

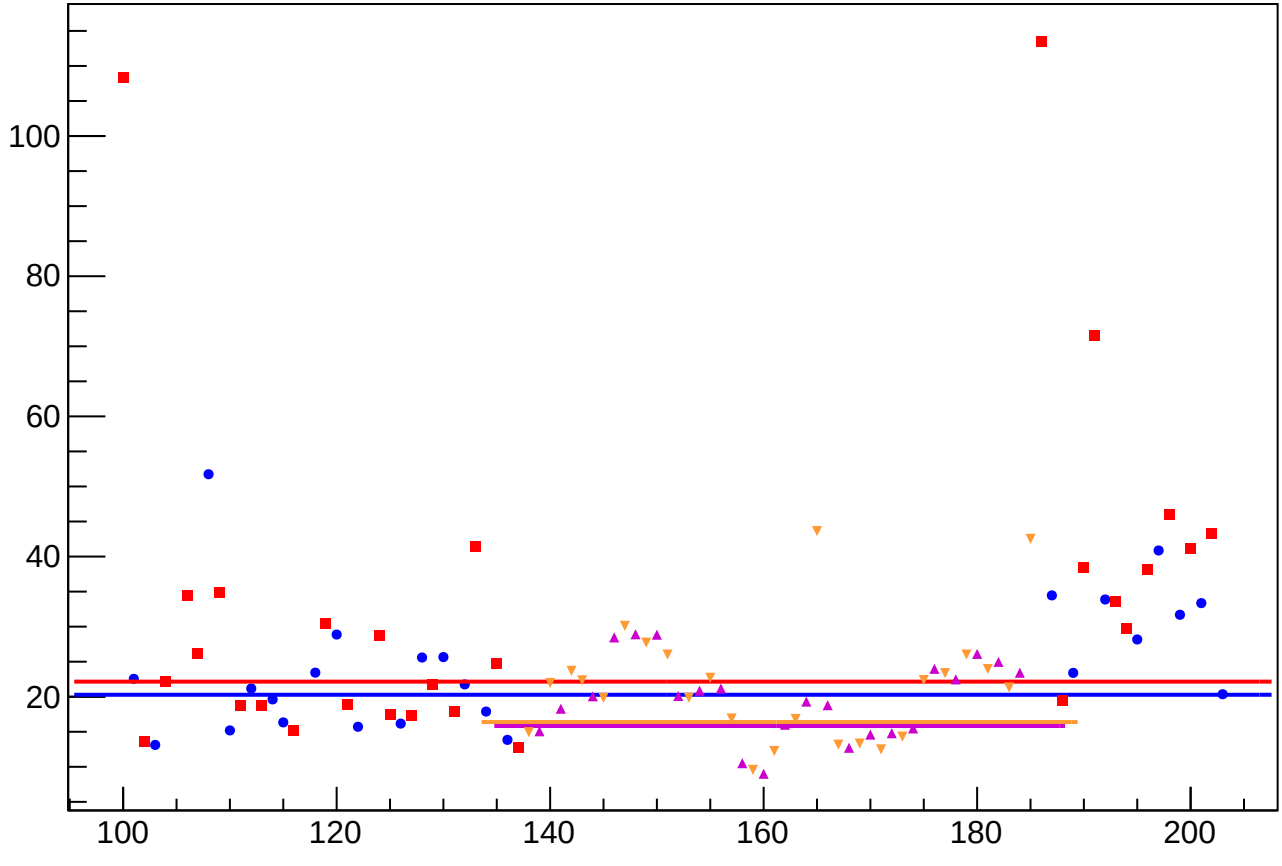
Right: 0.002+/-0.005 χ^2/NDF: 61.8/52

In: -0.005+/-0.003 χ^2/NDF:48.7/46

Out: -0.004+/-0.003 χ^2/NDF:91.5/53

All: -0.005+/-0.002 χ^2/NDF: 140.2/100

asym_sam_15_37_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 20.280+/-0.004 χ^2/NDF: 2634992.6/23

Left Out: 16.387+/-0.003 χ^2/NDF:4030028.3/24

Right Out: 22.155+/-0.005 χ^2/NDF: 4069435.3/28

Left In: 15.824+/-0.003 χ^2/NDF:3654469.7/22

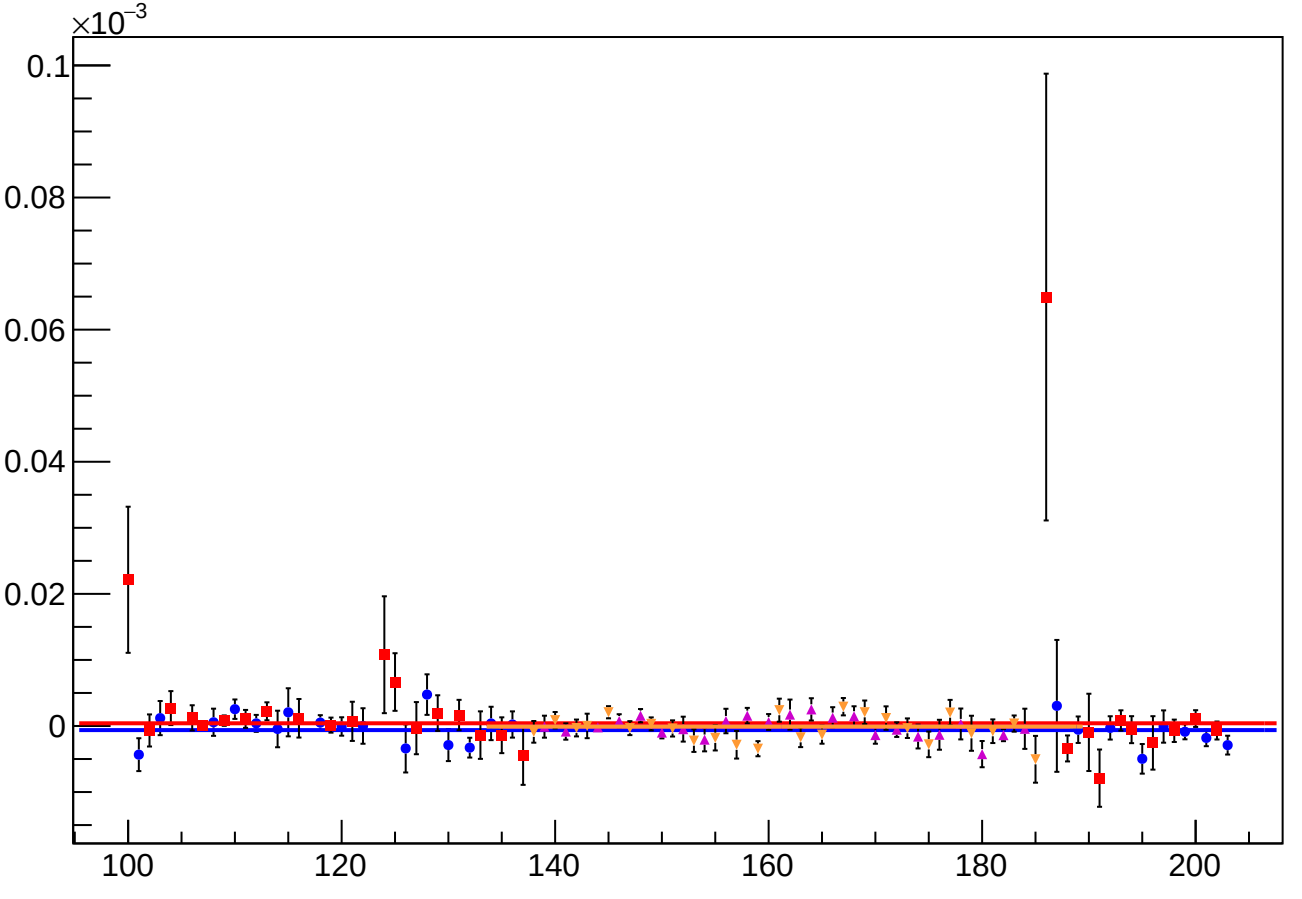
Left: 16.104+/-0.002 χ^2/NDF: 7703852.9/47

Right: 21.155+/-0.003 χ^2/NDF: 6787592.4/52

In: 17.128+/-0.002 χ^2/NDF:7002037.5/46

Out: 17.935+/-0.002 χ^2/NDF:9178972.2/53

All: 17.522+/-0.002 χ^2/NDF: 16236007.2/100



Right In: -0.000+/-0.000 χ^2/NDF: 25.6/23

Left Out: -0.000+/-0.000 χ^2/NDF:36.1/24

Right Out: 0.000+/-0.000 χ^2/NDF: 26.9/28

Left In: -0.000+/-0.000 χ^2/NDF:21.9/22

Left: -0.000+/-0.000 χ^2/NDF: 58.1/47

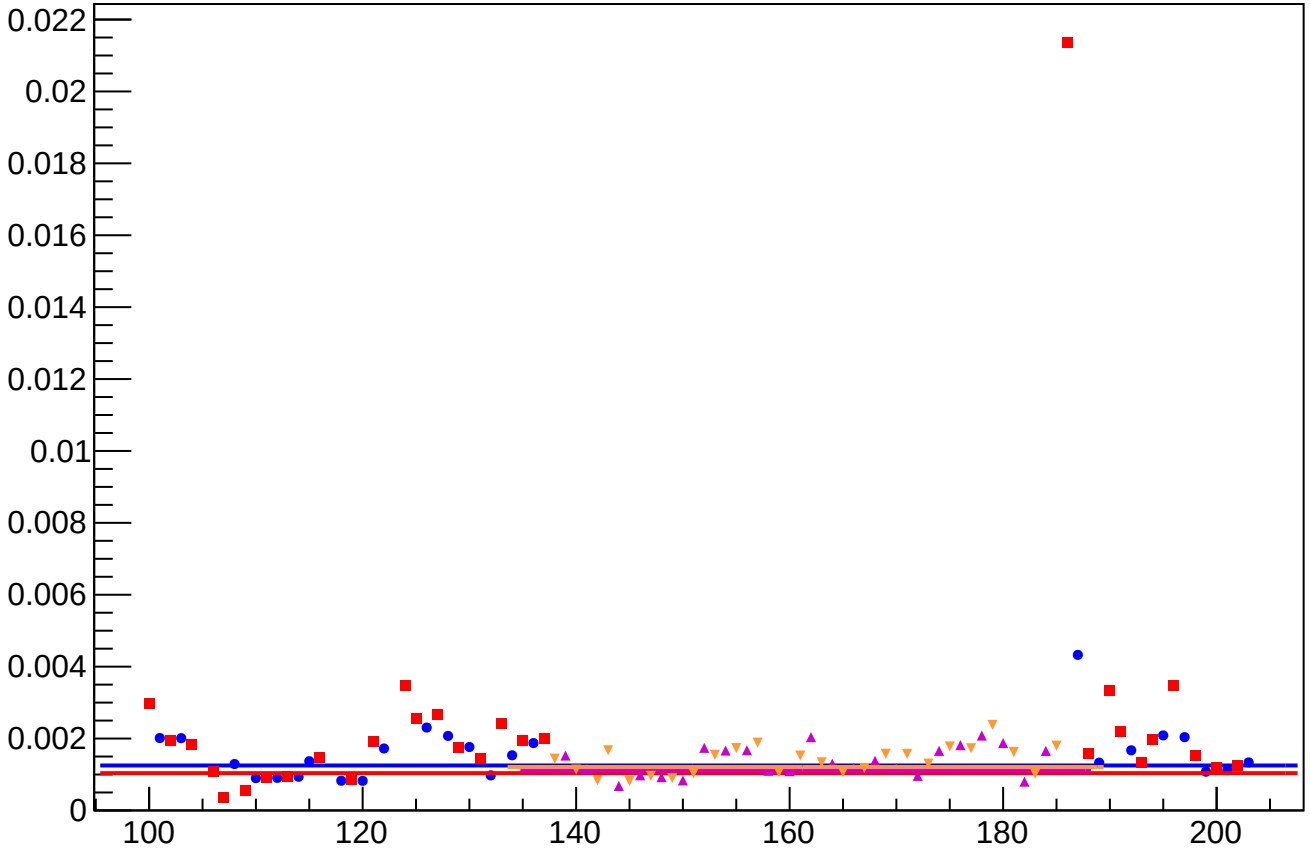
Right: -0.000+/-0.000 χ^2/NDF: 56.9/52

In: -0.000+/-0.000 χ^2/NDF:48.8/46

Out: 0.000+/-0.000 χ^2/NDF:64.4/53

All: -0.000+/-0.000 χ^2/NDF: 115.0/100

asym_sam_15_37_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.001+/-0.000 χ^2/NDF: 2739900.3/23

Left Out: 0.001+/-0.000 χ^2/NDF:2720984.6/24

Right Out: 0.001+/-0.000 χ^2/NDF: 7605797.3/28

Left In: 0.001+/-0.000 χ^2/NDF:3494983.4/22

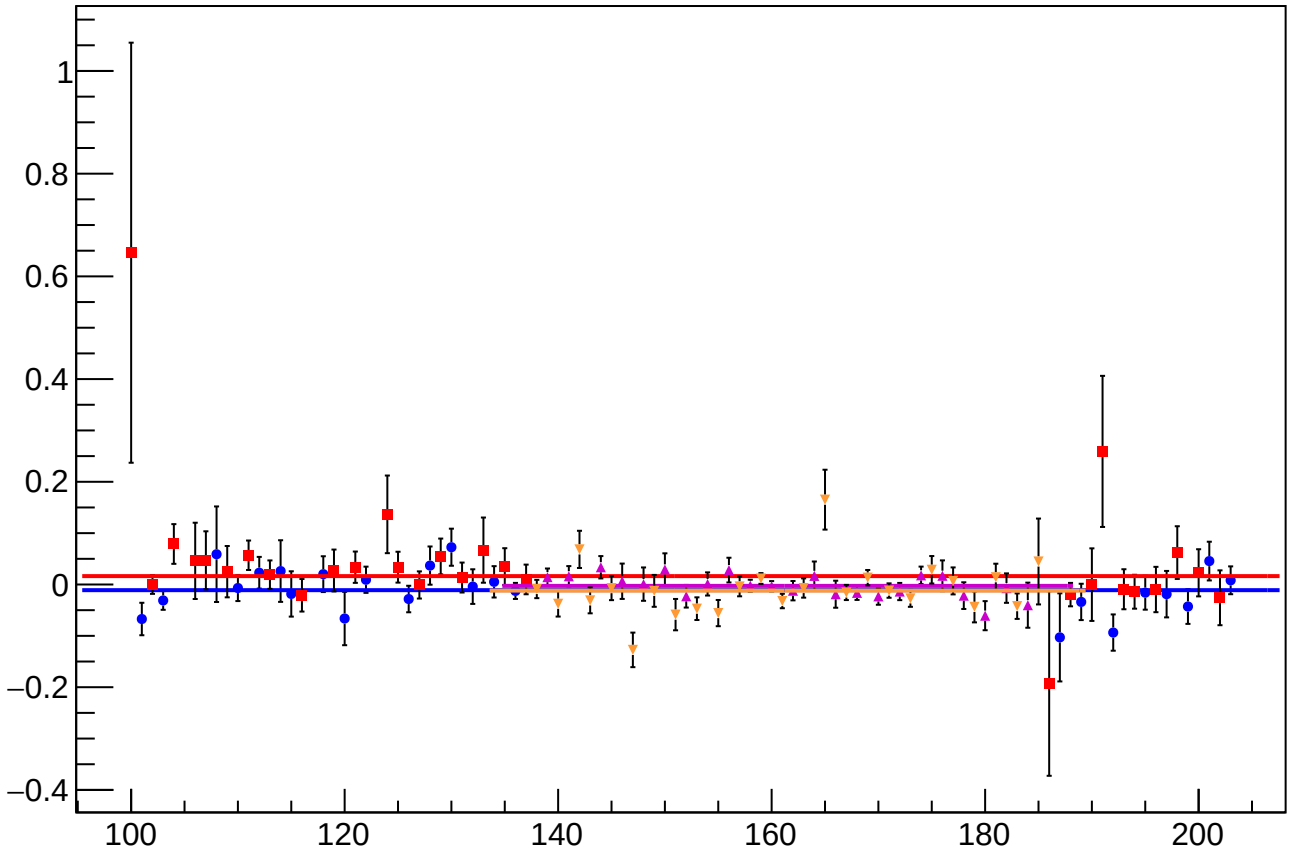
Left: 0.001+/-0.000 χ^2/NDF: 6352461.8/47

Right: 0.001+/-0.000 χ^2/NDF: 10720765.0/52

In: 0.001+/-0.000 χ^2/NDF:6438674.5/46

Out: 0.001+/-0.000 χ^2/NDF:10633633.5/53

All: 0.001+/-0.000 χ^2/NDF: 17083504.6/100



Right In: -0.011+/-0.006 χ^2/NDF: 27.7/23

Left Out: -0.012+/-0.004 χ^2/NDF:53.4/24

Right Out: 0.016+/-0.007 χ^2/NDF: 25.2/28

Left In: -0.003+/-0.004 χ^2/NDF:19.8/22

Left: -0.007+/-0.003 χ^2/NDF: 75.7/47

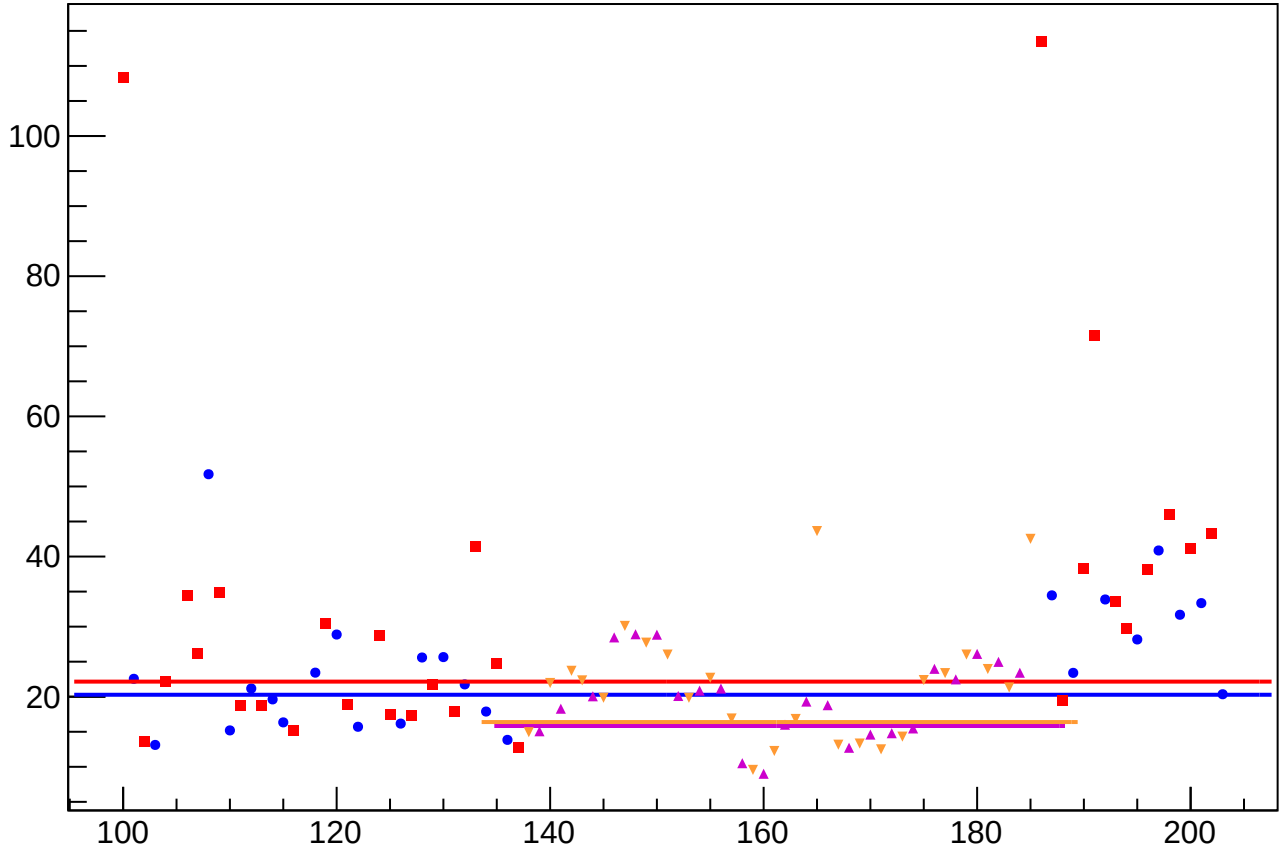
Right: 0.002+/-0.005 χ^2/NDF: 61.8/52

In: -0.005+/-0.003 χ^2/NDF:48.7/46

Out: -0.004+/-0.003 χ^2/NDF:91.5/53

All: -0.005+/-0.002 χ^2/NDF: 140.2/100

asym_sam_15_37_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 20.280+/-0.004 χ^2/NDF: 2635005.5/23

Left Out: 16.387+/-0.003 χ^2/NDF:4030277.2/24

Right Out: 22.156+/-0.005 χ^2/NDF: 4069172.9/28

Left In: 15.823+/-0.003 χ^2/NDF:3654834.3/22

Left: 16.104+/-0.002 χ^2/NDF: 7704470.7/47

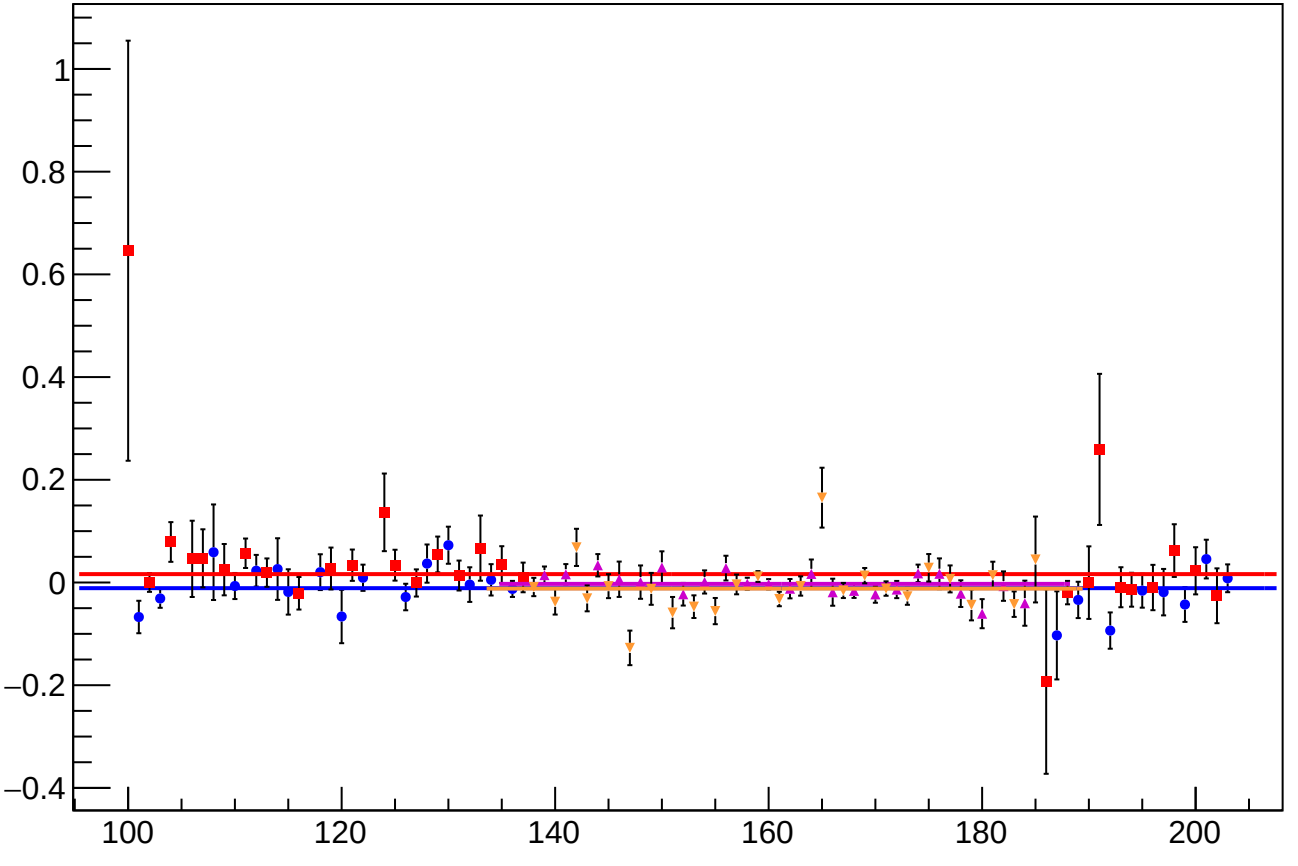
Right: 21.155+/-0.003 χ^2/NDF: 6787383.8/52

In: 17.128+/-0.002 χ^2/NDF:7002515.9/46

Out: 17.935+/-0.002 χ^2/NDF:9179213.4/53

All: 17.522+/-0.002 χ^2/NDF: 16236744.9/100

asym_sam_15_37_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.011+/-0.006 χ^2/NDF: 27.7/23

Left Out: -0.012+/-0.004 χ^2/NDF:53.4/24

Right Out: 0.016+/-0.007 χ^2/NDF: 25.2/28

Left In: -0.003+/-0.004 χ^2/NDF:19.8/22

Left: -0.007+/-0.003 χ^2/NDF: 75.7/47

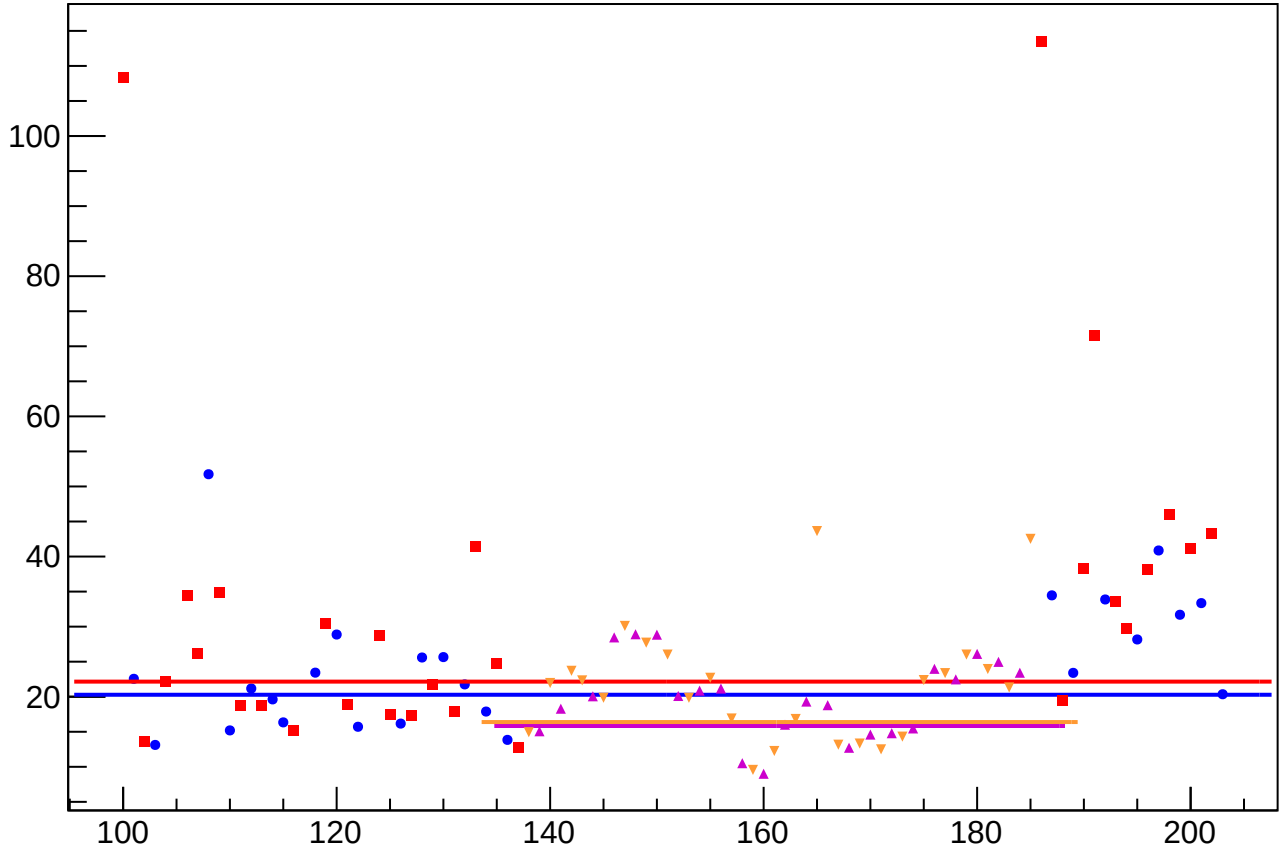
Right: 0.002+/-0.005 χ^2/NDF: 61.8/52

In: -0.005+/-0.003 χ^2/NDF:48.7/46

Out: -0.004+/-0.003 χ^2/NDF:91.5/53

All: -0.005+/-0.002 χ^2/NDF: 140.2/100

asym_sam_15_37_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 20.280+/-0.004 χ^2/NDF: 2635005.5/23

Left Out: 16.387+/-0.003 χ^2/NDF:4030277.2/24

Right Out: 22.156+/-0.005 χ^2/NDF: 4069172.9/28

Left In: 15.823+/-0.003 χ^2/NDF:3654834.3/22

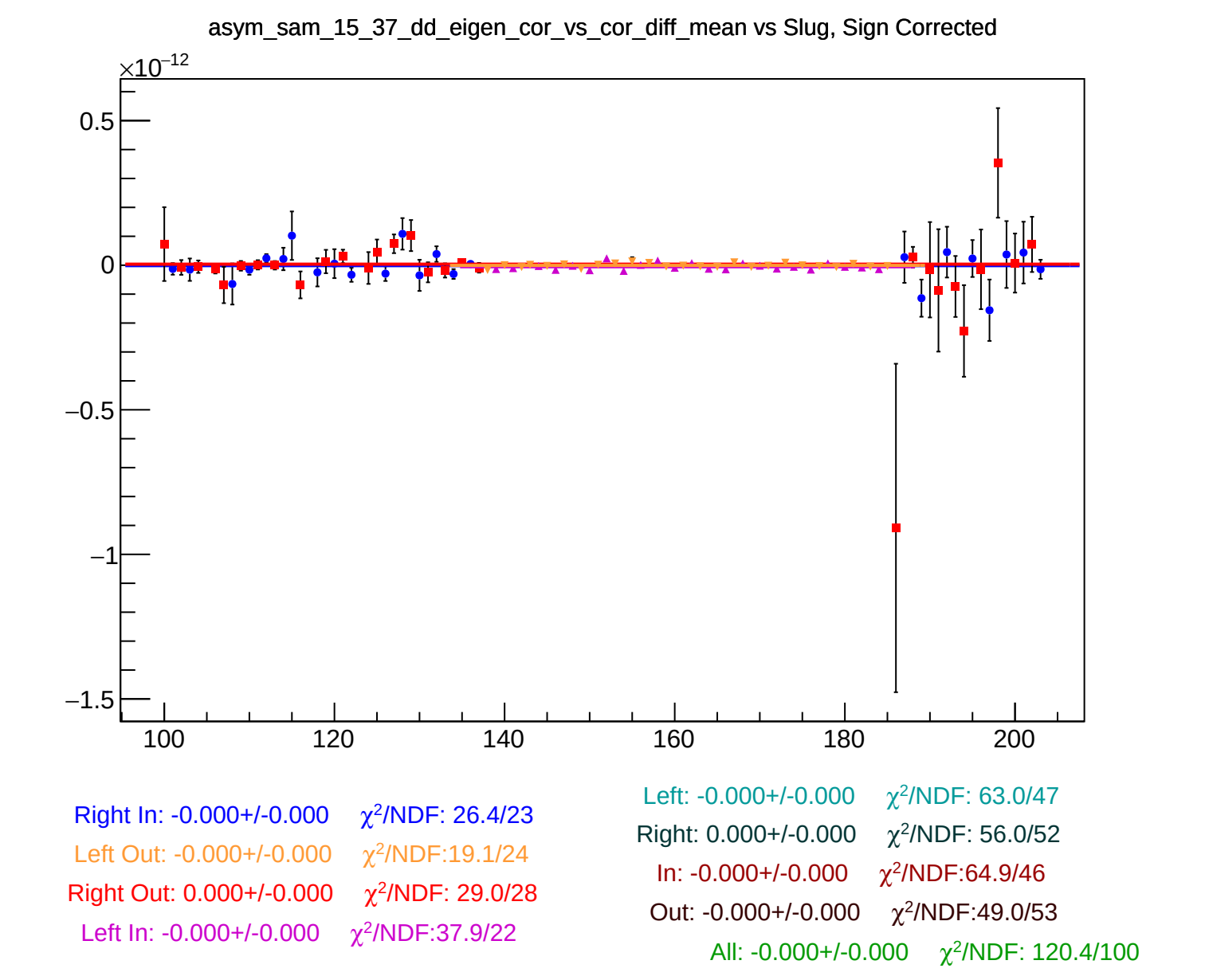
Left: 16.104+/-0.002 χ^2/NDF: 7704470.7/47

Right: 21.155+/-0.003 χ^2/NDF: 6787383.8/52

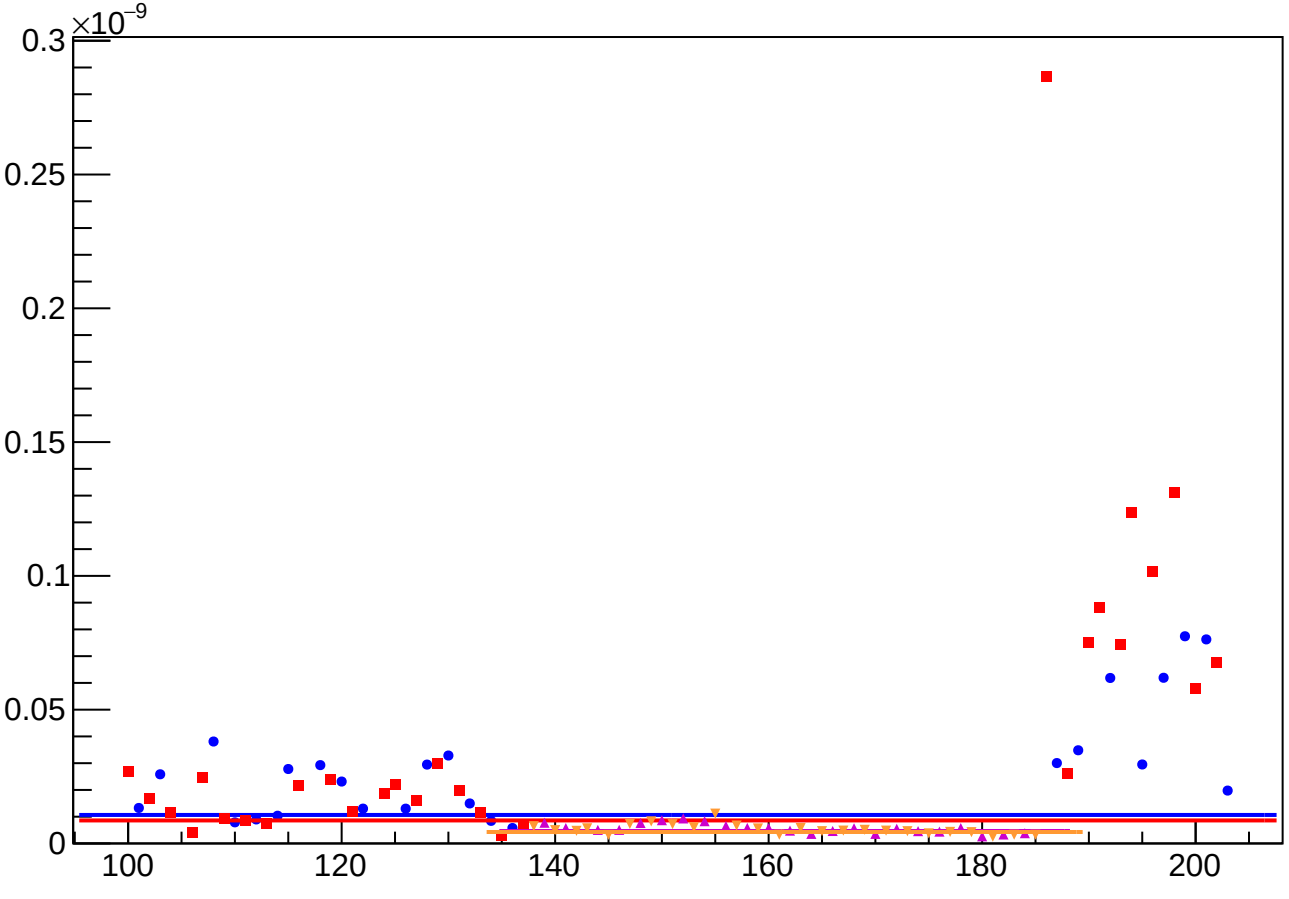
In: 17.128+/-0.002 χ^2/NDF:7002515.9/46

Out: 17.935+/-0.002 χ^2/NDF:9179213.4/53

All: 17.522+/-0.002 χ^2/NDF: 16236744.9/100


asym_sam_15_37_dd_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
0.5
0
−0.5
−1
−1.5
100
120
140
160
180
200
Right In: -0.000+/-0.000 χ²/NDF: 26.4/23
Left Out: -0.000+/-0.000 χ²/NDF:19.1/24
Right Out: 0.000+/-0.000 χ²/NDF: 29.0/28
Left In: -0.000+/-0.000 χ²/NDF:37.9/22
Left: -0.000+/-0.000 χ²/NDF: 63.0/47
Right: 0.000+/-0.000 χ²/NDF: 56.0/52
In: -0.000+/-0.000 χ²/NDF:64.9/46
Out: -0.000+/-0.000 χ²/NDF:49.0/53
All: -0.000+/-0.000 χ²/NDF: 120.4/100

asym_sam_15_37_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 6002213.1/23

Left Out: 0.000+/-0.000 χ^2/NDF:2583638.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 9544601.9/28

Left In: 0.000+/-0.000 χ^2/NDF:2508440.7/22

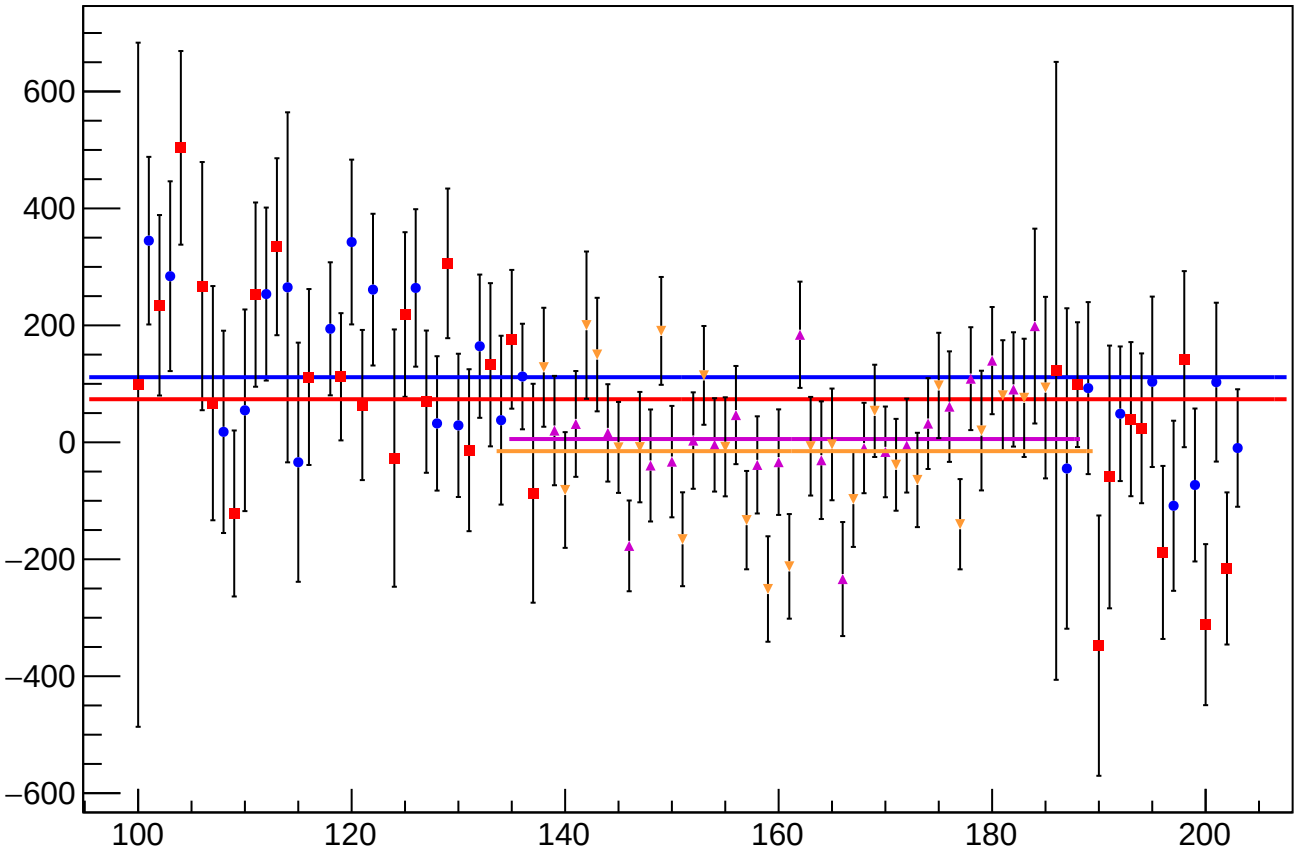
Left: 0.000+/-0.000 χ^2/NDF: 5171958.0/47

Right: 0.000+/-0.000 χ^2/NDF: 15738071.6/52

In: 0.000+/-0.000 χ^2/NDF:11236911.9/46

Out: 0.000+/-0.000 χ^2/NDF:13883984.5/53

All: 0.000+/-0.000 χ^2/NDF: 25262518.4/100



Right In: 111.380+/-27.761 χ^2/NDF: 19.5/23

Left Out: -15.100+/-17.957 χ^2/NDF:41.6/24

Right Out: 73.707+/-27.673 χ^2/NDF: 42.0/28

Left In: 5.629+/-18.382 χ^2/NDF:23.0/22

Left: -4.977+/-12.845 χ^2/NDF: 65.3/47

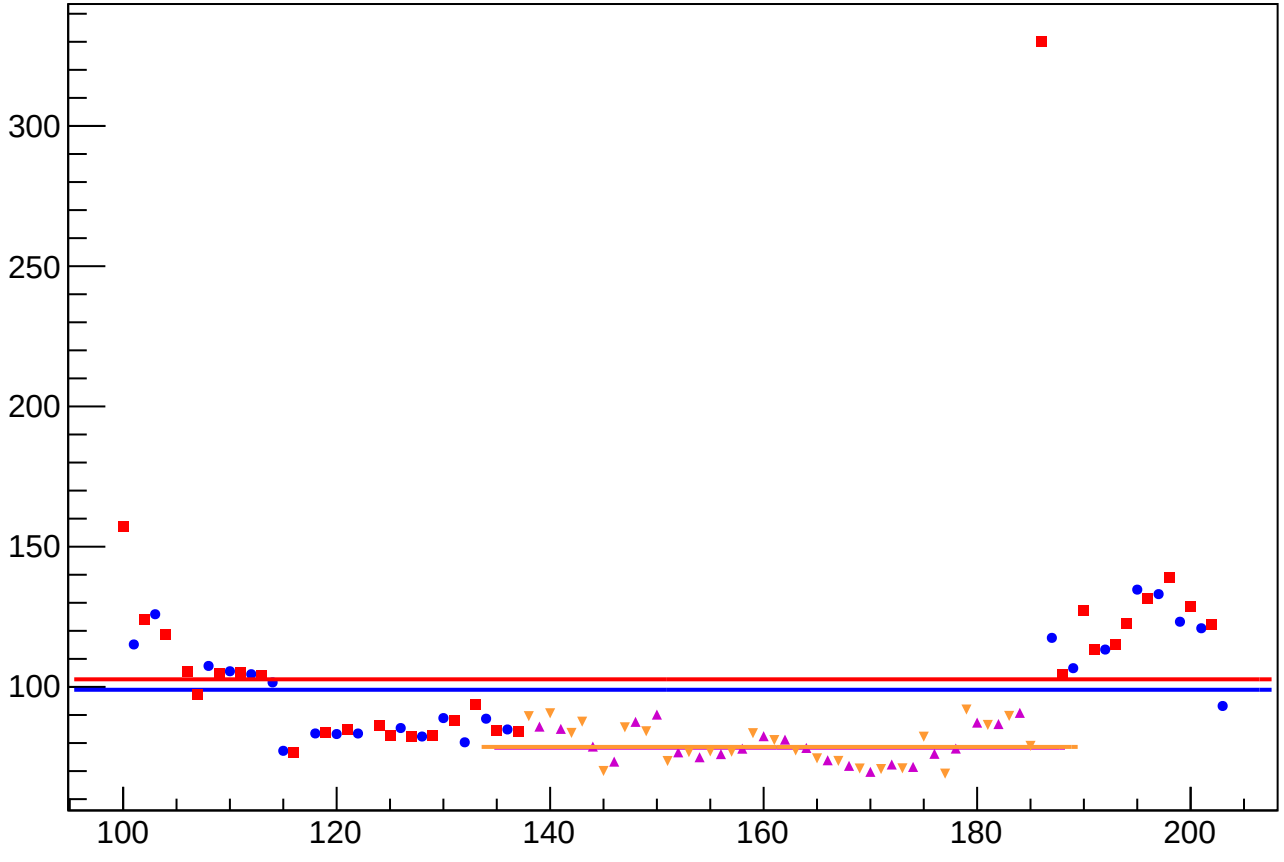
Right: 92.484+/-19.599 χ^2/NDF: 62.4/52

In: 37.862+/-15.326 χ^2/NDF:52.6/46

Out: 11.214+/-15.063 χ^2/NDF:90.9/53

All: 24.307+/-10.743 χ^2/NDF: 145.0/100

reg_asym_sam_24_68_dd_rms vs Slug, Sign Corrected



Right In: 98.990+/-0.020 χ^2/NDF: 790787.2/23

Left Out: 78.618+/-0.013 χ^2/NDF:307235.6/24

Right Out: 102.719+/-0.020 χ^2/NDF: 1266271.1/28

Left In: 78.334+/-0.013 χ^2/NDF:209146.2/22

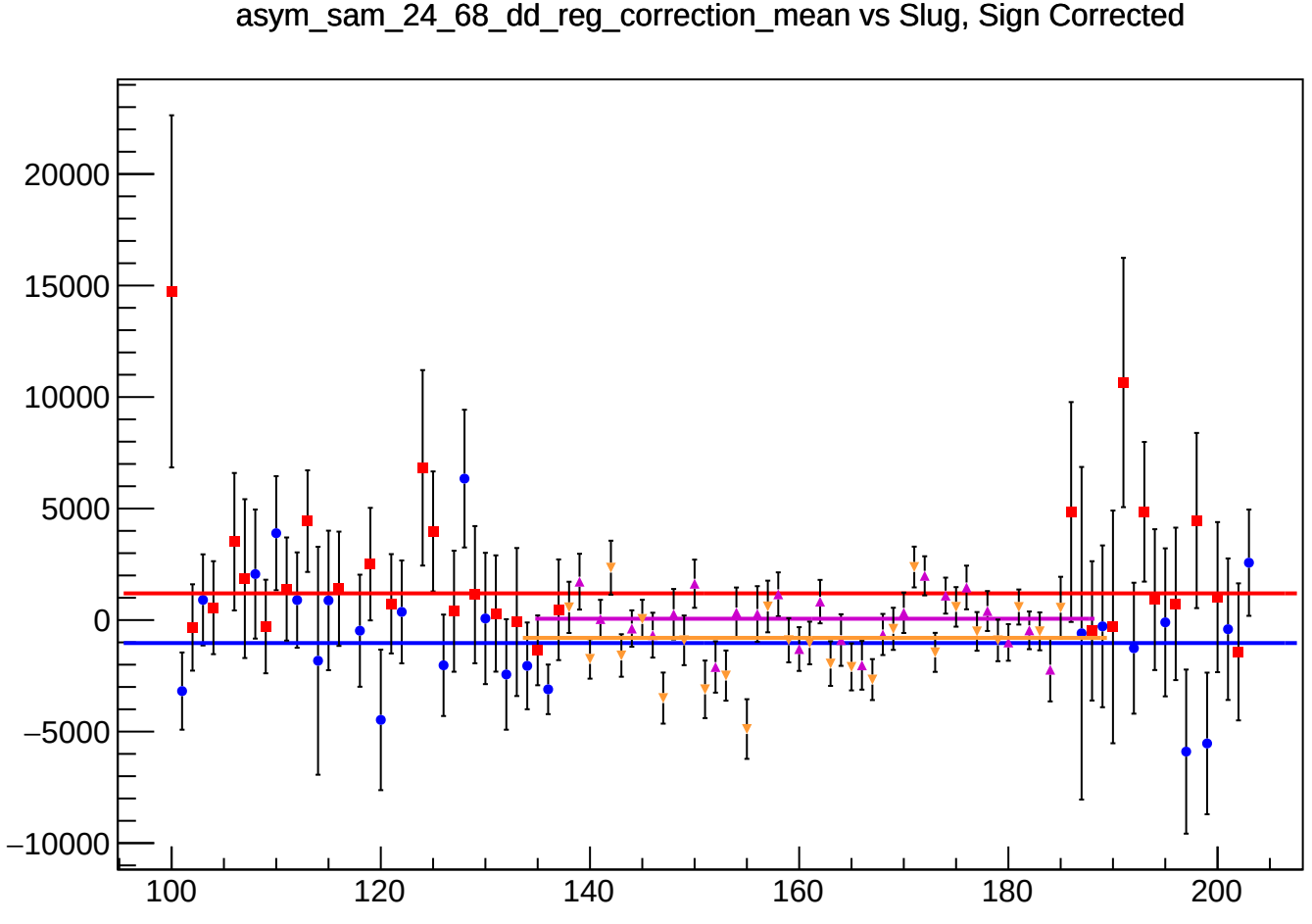
Left: 78.480+/-0.009 χ^2/NDF: 516625.8/47

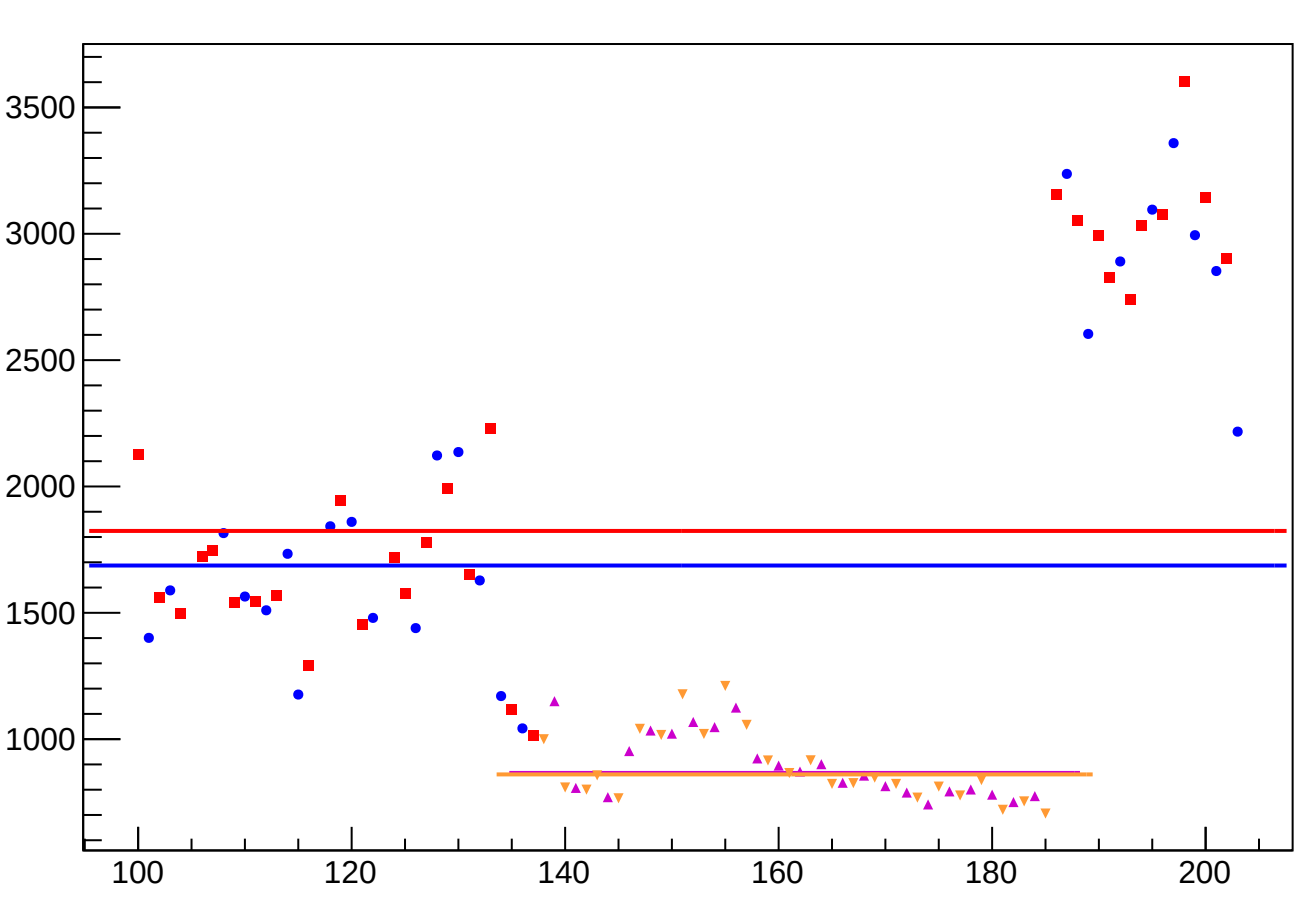
Right: 100.860+/-0.014 χ^2/NDF: 2075162.0/52

In: 84.630+/-0.011 χ^2/NDF:1769646.8/46

Out: 85.759+/-0.011 χ^2/NDF:2640975.9/53

All: 85.204+/-0.008 χ^2/NDF: 4416145.6/100


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: -1031.022+/-496.739 χ²/NDF: 26.5/23
Left Out: -797.000+/-197.884 χ²/NDF:59.5/24
Right Out: 1196.831+/-509.723 χ²/NDF: 19.6/28
Left In: 59.494+/-204.437 χ²/NDF:30.5/22
Left: -382.700+/-142.185 χ²/NDF: 99.0/47
Right: 54.167+/-355.749 χ²/NDF: 55.8/52
In: -98.463+/-189.052 χ²/NDF:61.1/46
Out: -535.860+/-184.470 χ²/NDF:92.3/53
All: -322.526+/-132.030 χ²/NDF: 156.1/100



Right In: 1687.186+/-0.351 χ^2/NDF: 3121086.9/23

Left Out: 860.492+/-0.140 χ^2/NDF:699252.0/24

Right Out: 1824.056+/-0.360 χ^2/NDF: 3375767.5/28

Left In: 866.351+/-0.145 χ^2/NDF:613257.7/22

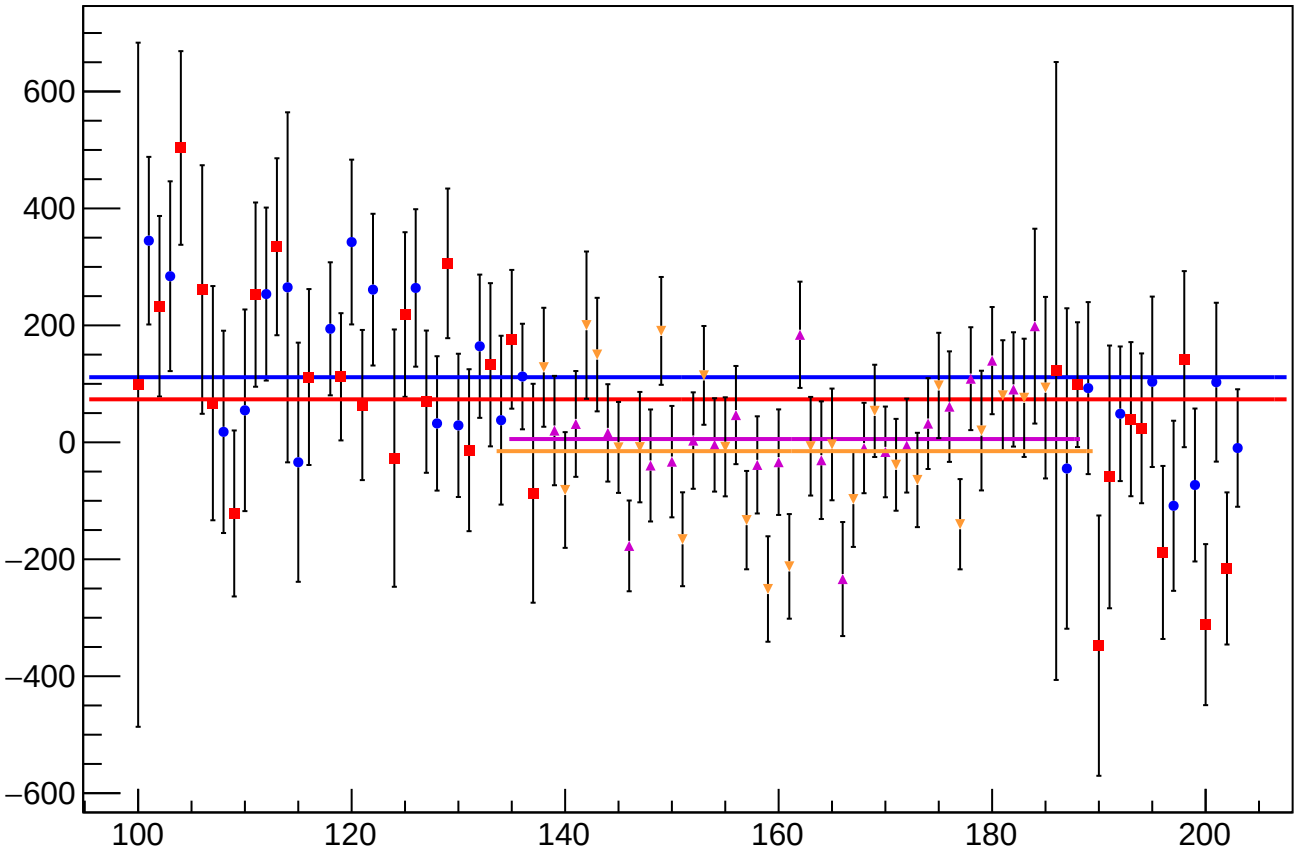
Left: 863.326+/-0.101 χ^2/NDF: 1313357.9/47

Right: 1753.856+/-0.252 χ^2/NDF: 6570816.7/52

In: 985.246+/-0.134 χ^2/NDF:8404489.0/46

Out: 986.694+/-0.130 χ^2/NDF:10285932.9/53

All: 985.988+/-0.093 χ^2/NDF: 18690481.9/10



Right In: 111.375+/-27.761 χ^2/NDF: 19.5/23

Left Out: -15.098+/-17.957 χ^2/NDF:41.6/24

Right Out: 73.536+/-27.674 χ^2/NDF: 41.9/28

Left In: 5.626+/-18.382 χ^2/NDF:23.0/22

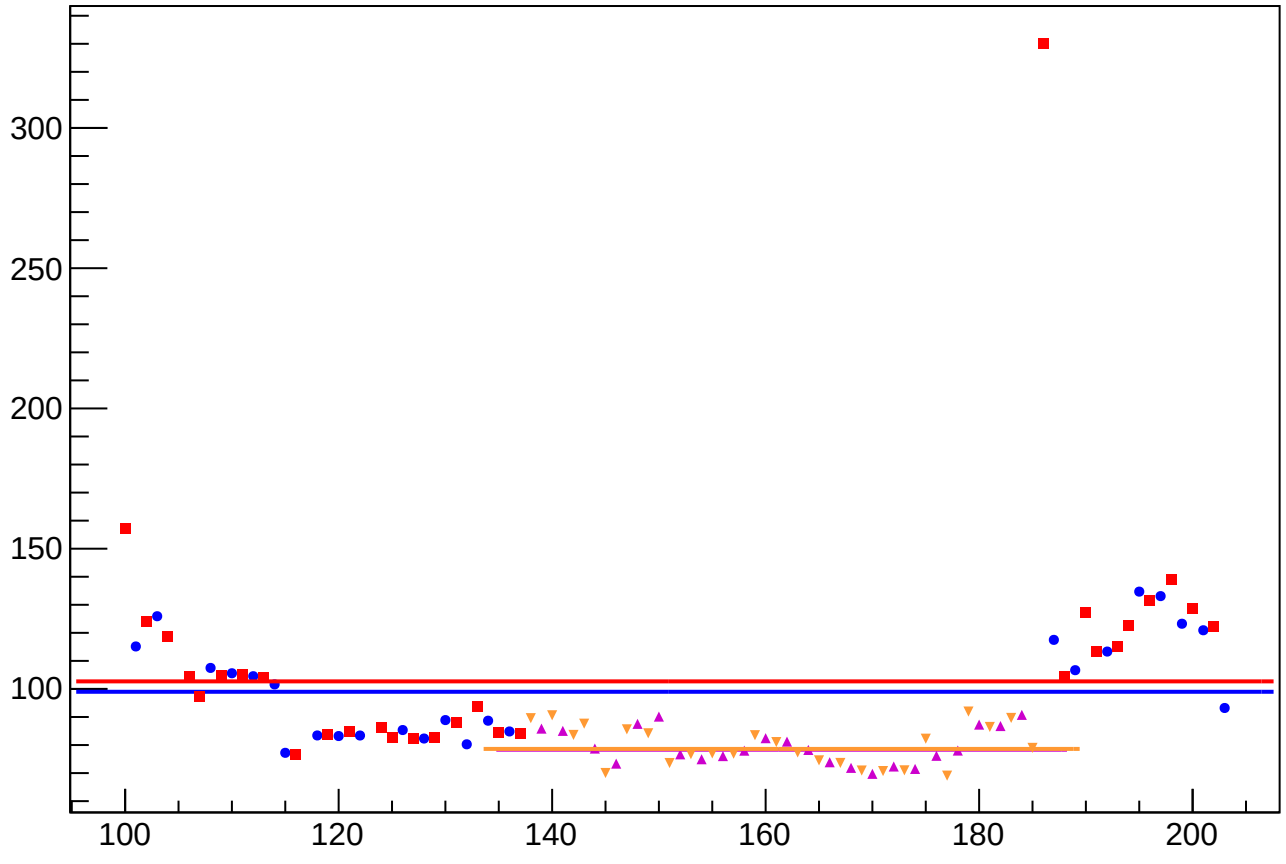
Left: -4.978+/-12.845 χ^2/NDF: 65.3/47

Right: 92.397+/-19.599 χ^2/NDF: 62.3/52

In: 37.858+/-15.326 χ^2/NDF:52.5/46

Out: 11.163+/-15.064 χ^2/NDF:90.8/53

All: 24.280+/-10.743 χ^2/NDF: 144.9/100



Right In: 98.990+/-0.020 χ^2/NDF: 790788.7/23

Left Out: 78.618+/-0.013 χ^2/NDF:307235.6/24

Right Out: 102.698+/-0.020 χ^2/NDF: 1266178.6/28

Left In: 78.334+/-0.013 χ^2/NDF:209146.2/22

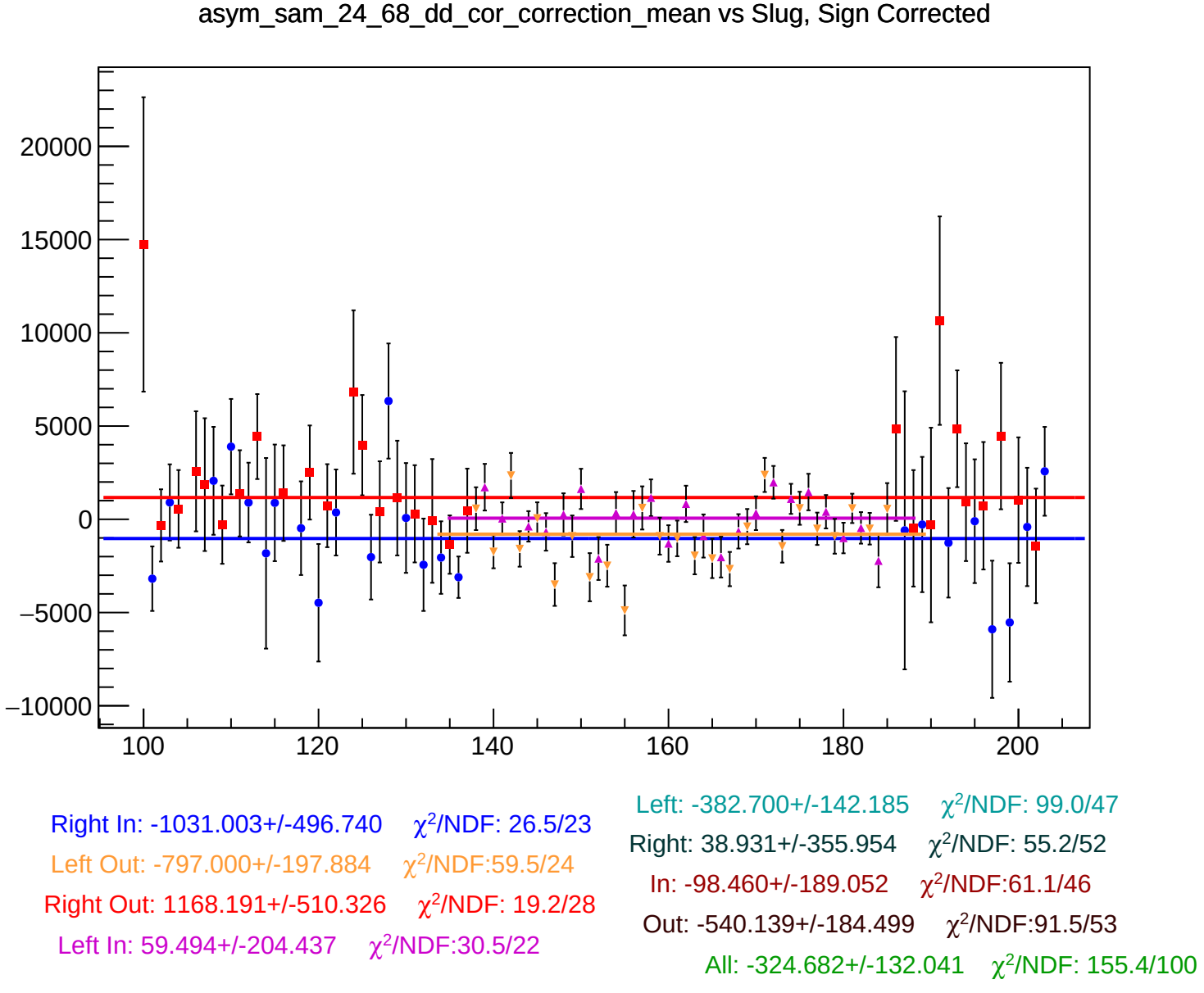
Left: 78.480+/-0.009 χ^2/NDF: 516625.8/47

Right: 100.850+/-0.014 χ^2/NDF: 2074869.2/52

In: 84.630+/-0.011 χ^2/NDF:1769648.7/46

Out: 85.753+/-0.011 χ^2/NDF:2638982.9/53

All: 85.201+/-0.008 χ^2/NDF: 4414090.4/100


asym_sam_24_68_dd_cor_correction_mean vs Slug, Sign Corrected
20000
15000
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5000
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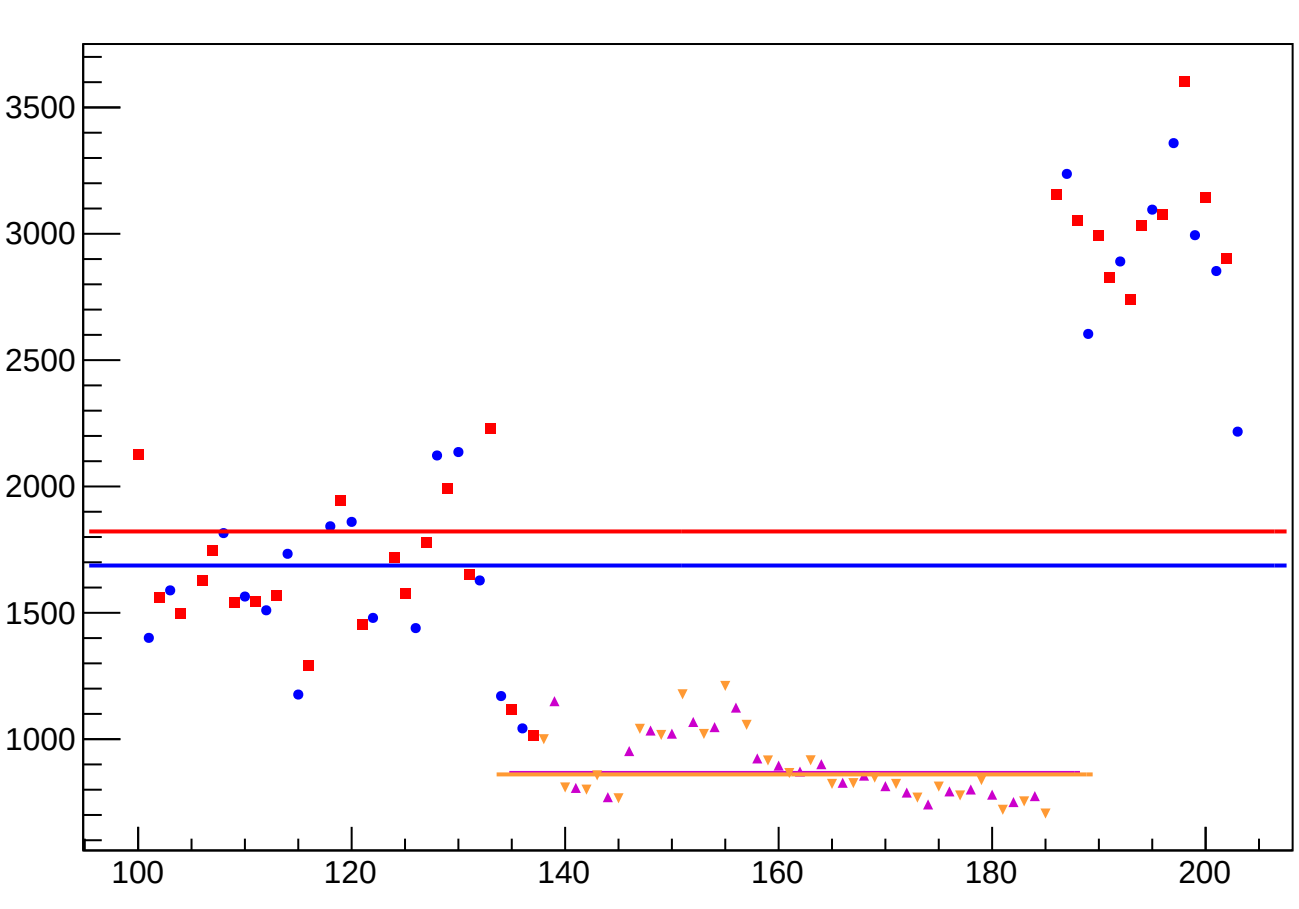
−5000
−10000
100
120
140
160
180
200
Right In: -1031.003+/-496.740 χ²/NDF: 26.5/23
Left Out: -797.000+/-197.884 χ²/NDF:59.5/24
Right Out: 1168.191+/-510.326 χ²/NDF: 19.2/28
Left In: 59.494+/-204.437 χ²/NDF:30.5/22
Left: -382.700+/-142.185 χ²/NDF: 99.0/47
Right: 38.931+/-355.954 χ²/NDF: 55.2/52
In: -98.460+/-189.052 χ²/NDF:61.1/46
Out: -540.139+/-184.499 χ²/NDF:91.5/53
All: -324.682+/-132.041 χ²/NDF: 155.4/100



Right In: 1687.190+/-0.351 χ^2/NDF: 3121081.6/23

Left Out: 860.492+/-0.140 χ^2/NDF:699250.7/24

Right Out: 1821.989+/-0.361 χ^2/NDF: 3380731.9/28

Left In: 866.352+/-0.145 χ^2/NDF:613256.3/22

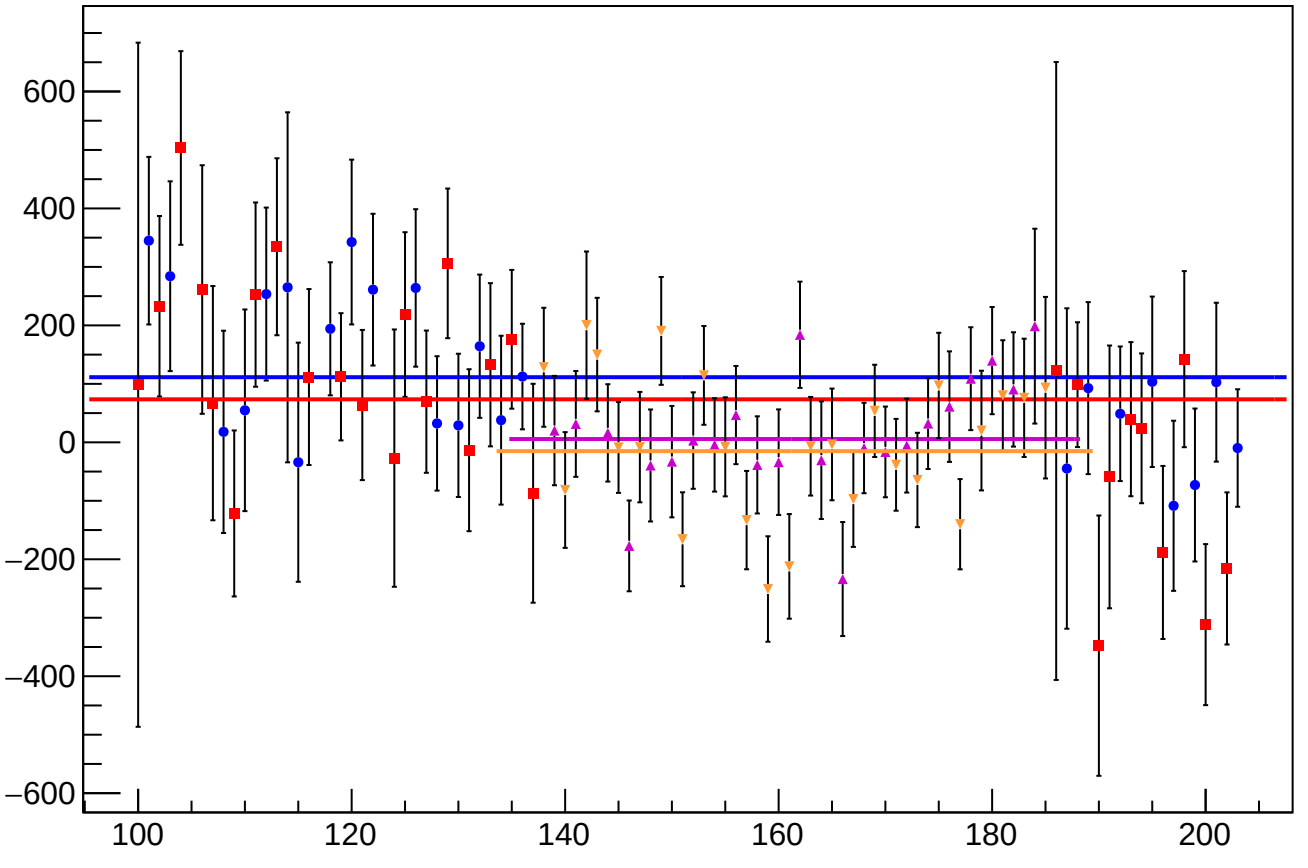
Left: 863.327+/-0.101 χ^2/NDF: 1313355.3/47

Right: 1752.771+/-0.252 χ^2/NDF: 6573466.6/52

In: 985.247+/-0.134 χ^2/NDF:8404505.2/46

Out: 986.165+/-0.130 χ^2/NDF:10251585.5/53

All: 985.717+/-0.093 χ^2/NDF: 18656114.8/10



Right In: 111.375+/-27.761 χ^2/NDF: 19.5/23

Left Out: -15.098+/-17.957 χ^2/NDF:41.6/24

Right Out: 73.536+/-27.674 χ^2/NDF: 41.9/28

Left In: 5.626+/-18.382 χ^2/NDF:23.0/22

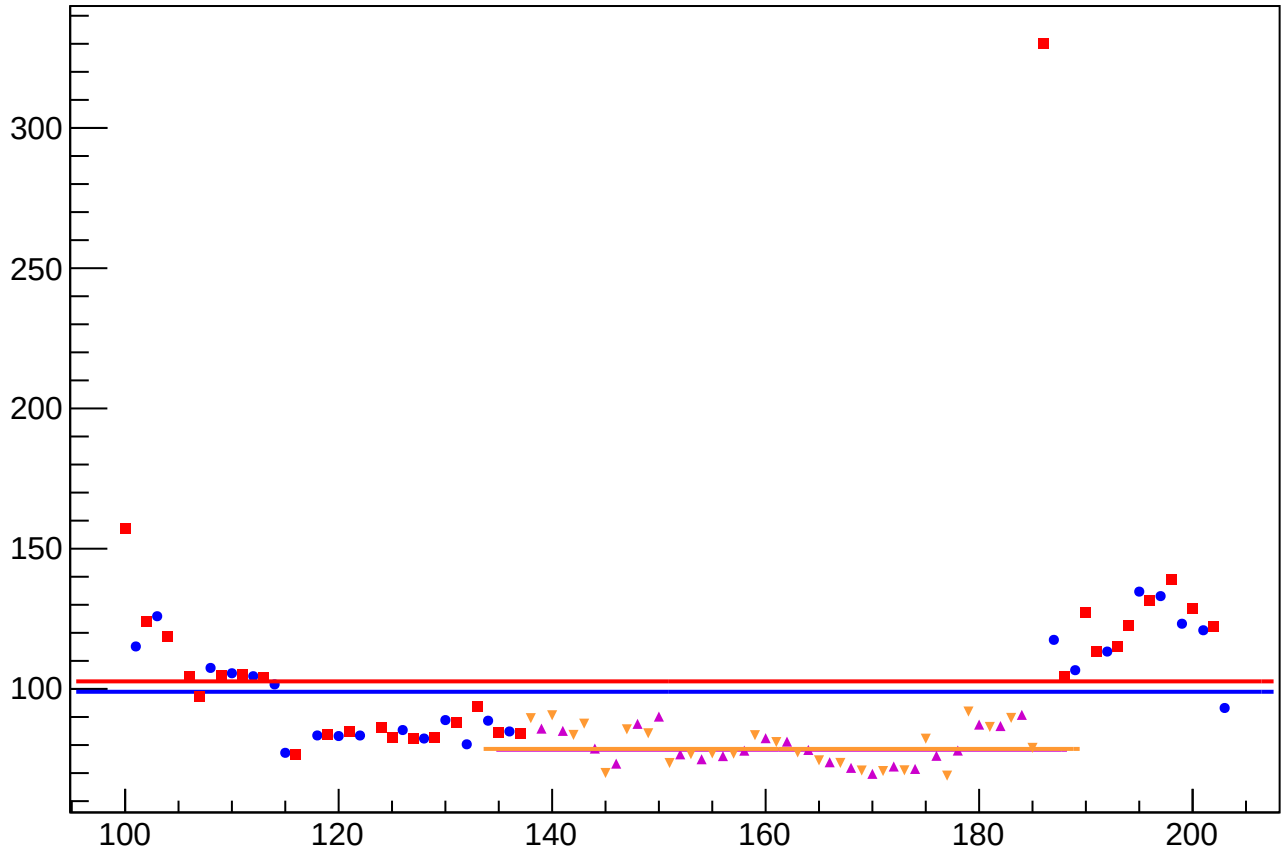
Left: -4.978+/-12.845 χ^2/NDF: 65.3/47

Right: 92.397+/-19.599 χ^2/NDF: 62.3/52

In: 37.858+/-15.326 χ^2/NDF:52.5/46

Out: 11.163+/-15.064 χ^2/NDF:90.8/53

All: 24.280+/-10.743 χ^2/NDF: 144.9/100



Right In: 98.990+/-0.020 χ^2/NDF: 790788.7/23

Left Out: 78.618+/-0.013 χ^2/NDF:307235.6/24

Right Out: 102.698+/-0.020 χ^2/NDF: 1266178.6/28

Left In: 78.334+/-0.013 χ^2/NDF:209146.2/22

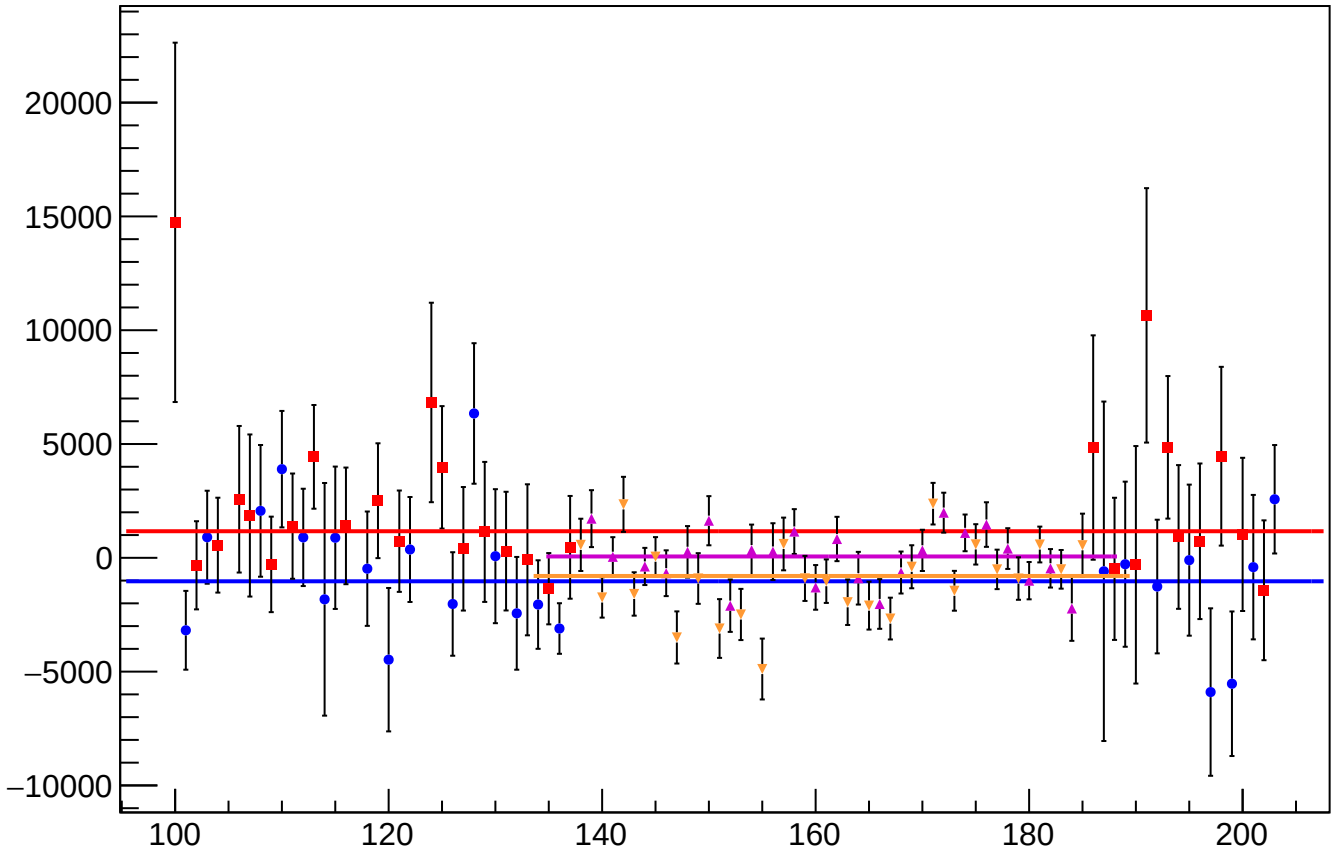
Left: 78.480+/-0.009 χ^2/NDF: 516625.8/47

Right: 100.850+/-0.014 χ^2/NDF: 2074869.2/52

In: 84.630+/-0.011 χ^2/NDF:1769648.7/46

Out: 85.753+/-0.011 χ^2/NDF:2638982.9/53

All: 85.201+/-0.008 χ^2/NDF: 4414090.4/100



Right In: -1031.003+/-496.740 χ^2/NDF: 26.5/23

Left Out: -797.000+/-197.884 χ^2/NDF:59.5/24

Right Out: 1168.191+/-510.326 χ^2/NDF: 19.2/28

Left In: 59.494+/-204.437 χ^2/NDF:30.5/22

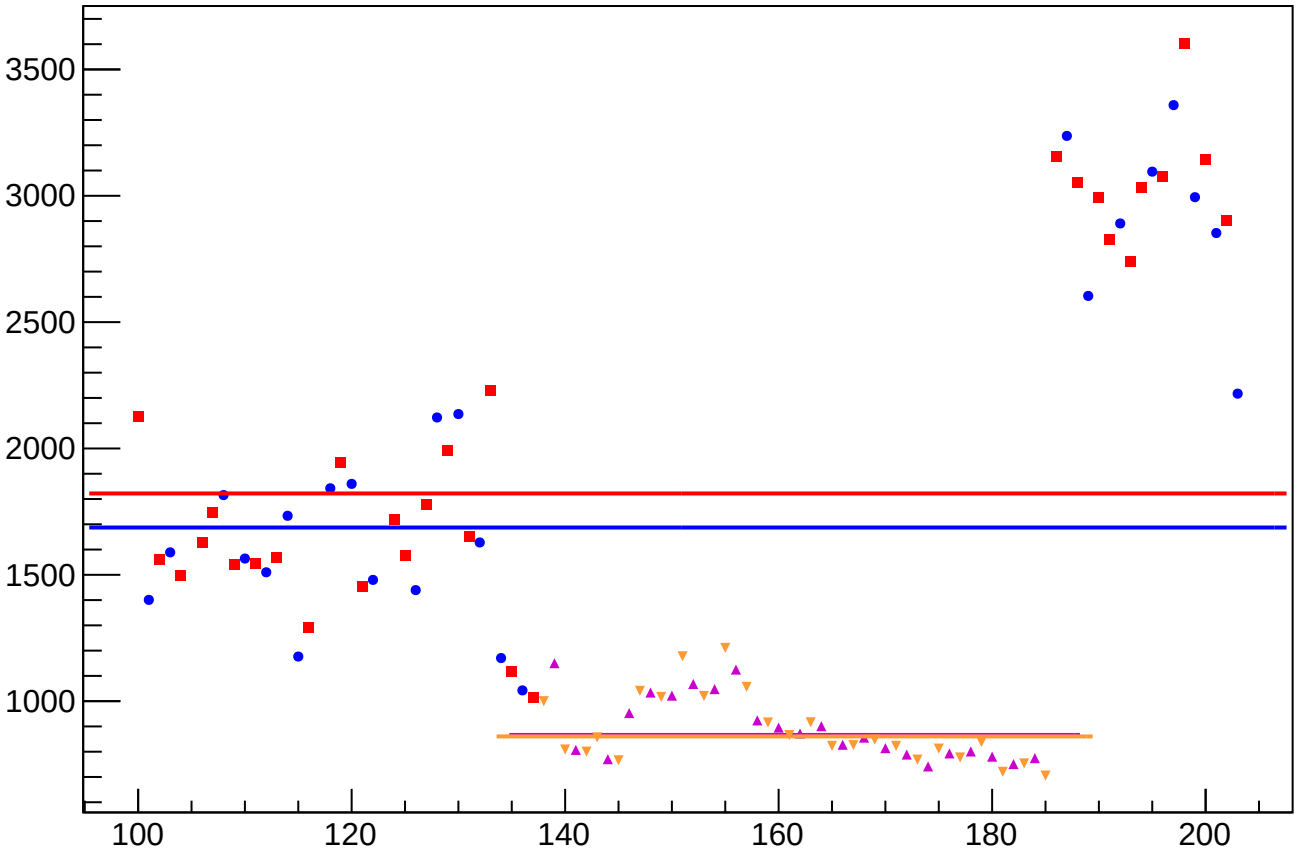
Left: -382.700+/-142.185 χ^2/NDF: 99.0/47

Right: 38.931+/-355.954 χ^2/NDF: 55.2/52

In: -98.460+/-189.052 χ^2/NDF:61.1/46

Out: -540.139+/-184.499 χ^2/NDF:91.5/53

All: -324.682+/-132.041 χ^2/NDF: 155.4/100



Right In: 1687.190+/-0.351 χ^2/NDF: 3121081.6/23

Left Out: 860.492+/-0.140 χ^2/NDF:699250.7/24

Right Out: 1821.989+/-0.361 χ^2/NDF: 3380731.9/28

Left In: 866.352+/-0.145 χ^2/NDF:613256.3/22

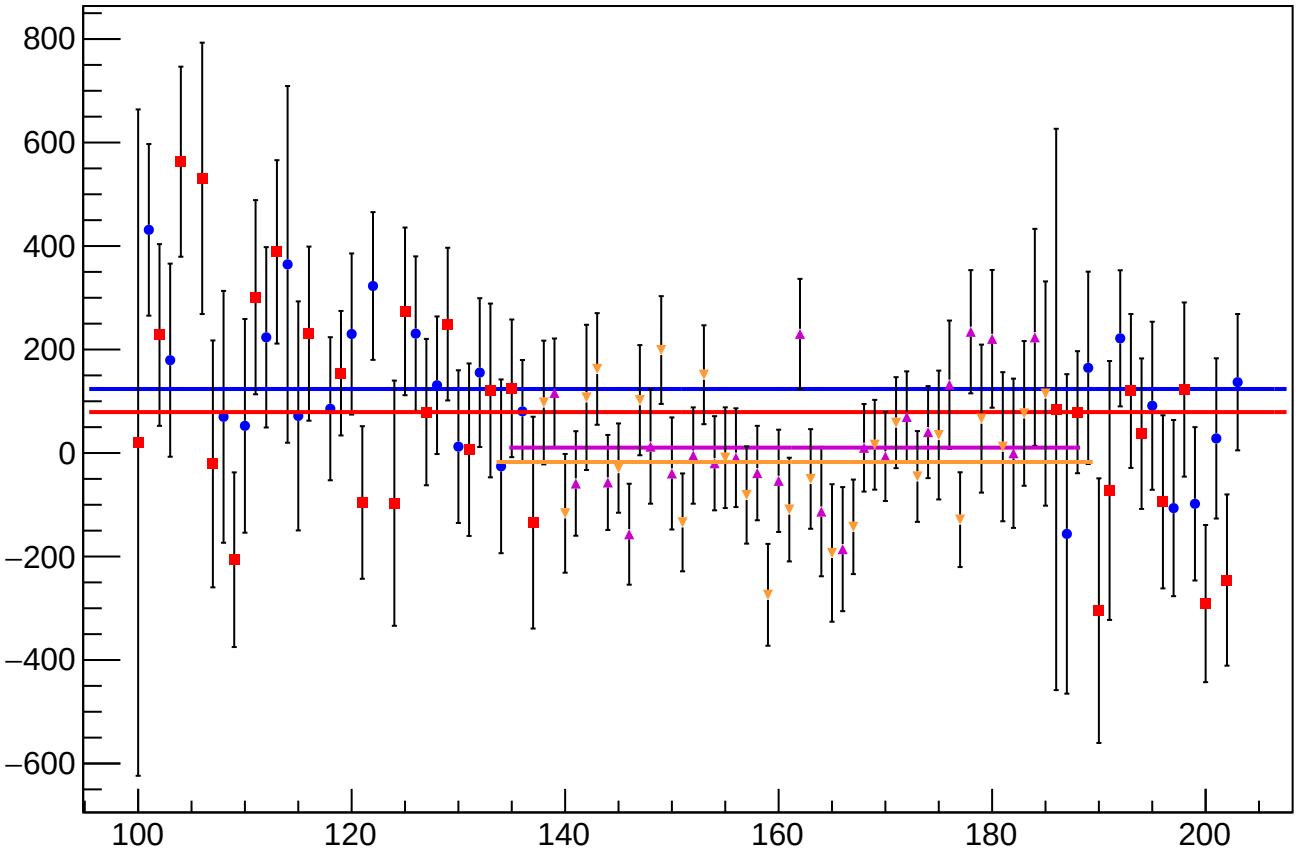
Left: 863.327+/-0.101 χ^2/NDF: 1313355.3/47

Right: 1752.771+/-0.252 χ^2/NDF: 6573466.6/52

In: 985.247+/-0.134 χ^2/NDF:8404505.2/46

Out: 986.165+/-0.130 χ^2/NDF:10251585.5/53

All: 985.717+/-0.093 χ^2/NDF: 18656114.8/10



Right In: 123.709+/-32.322 χ^2/NDF: 15.1/23

Left Out: -17.356+/-20.987 χ^2/NDF:31.2/24

Right Out: 79.094+/-31.685 χ^2/NDF: 39.2/28

Left In: 10.412+/-21.503 χ^2/NDF:22.6/22

Left: -3.810+/-15.019 χ^2/NDF: 54.7/47

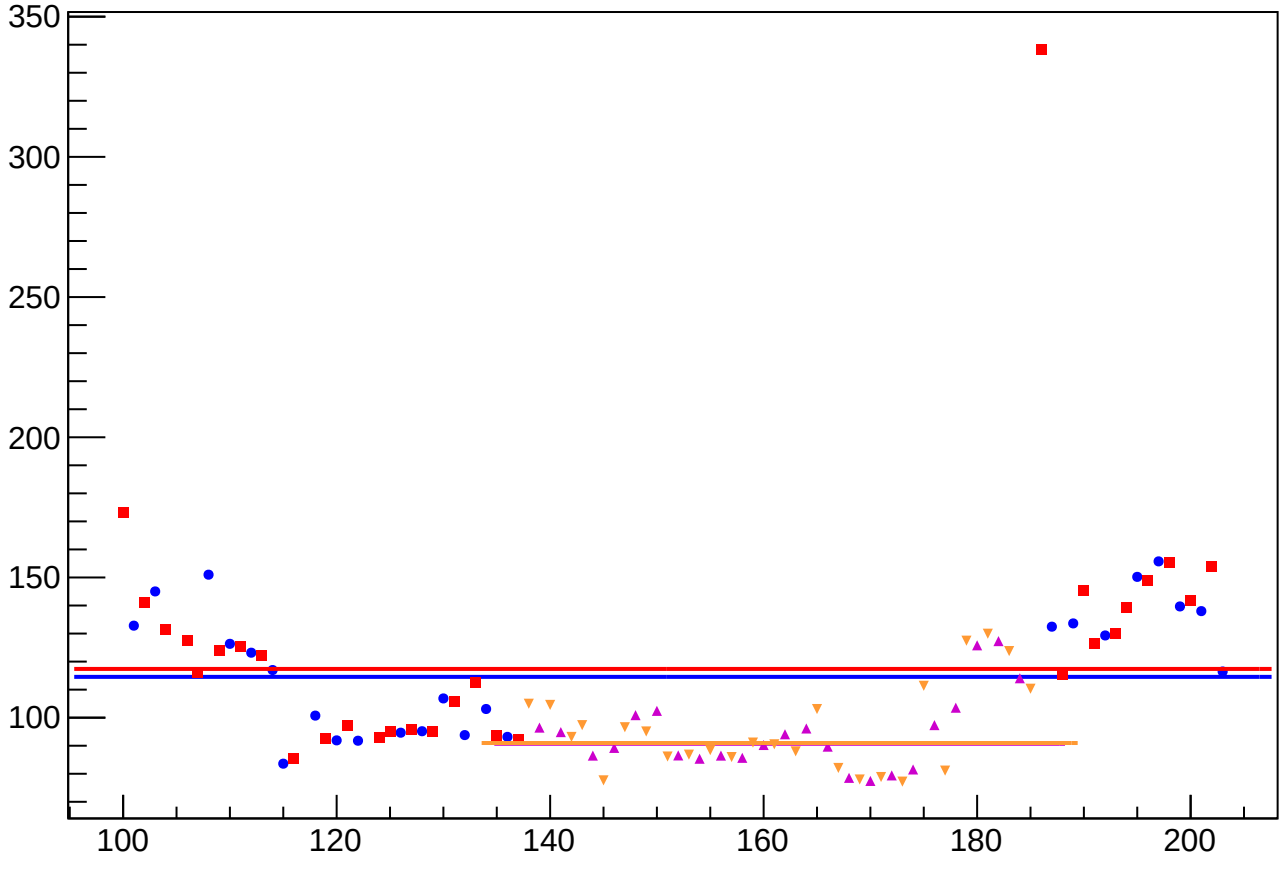
Right: 100.958+/-22.626 χ^2/NDF: 55.3/52

In: 45.173+/-17.903 χ^2/NDF:46.3/46

Out: 12.055+/-17.497 χ^2/NDF:76.9/53

All: 28.234+/-12.513 χ^2/NDF: 124.9/100

dit_asym_sam_24_68_dd_rms vs Slug, Sign Corrected



Right In: 114.555+/-0.023 χ^2/NDF: 884101.0/23

Left Out: 90.967+/-0.015 χ^2/NDF:784523.6/24

Right Out: 117.386+/-0.022 χ^2/NDF: 1265311.6/28

Left In: 90.690+/-0.015 χ^2/NDF:545969.6/22

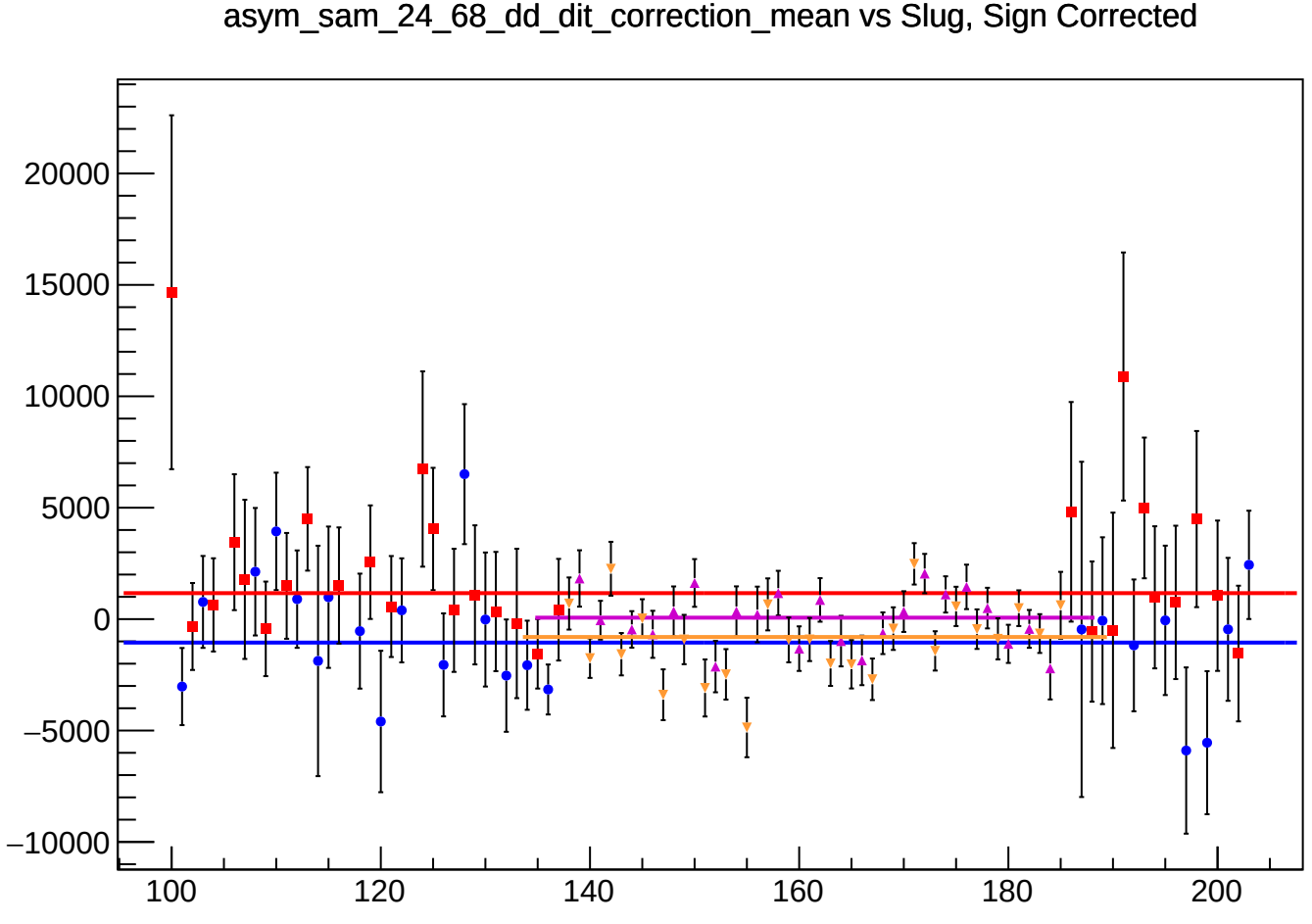
Left: 90.832+/-0.011 χ^2/NDF: 1330663.0/47

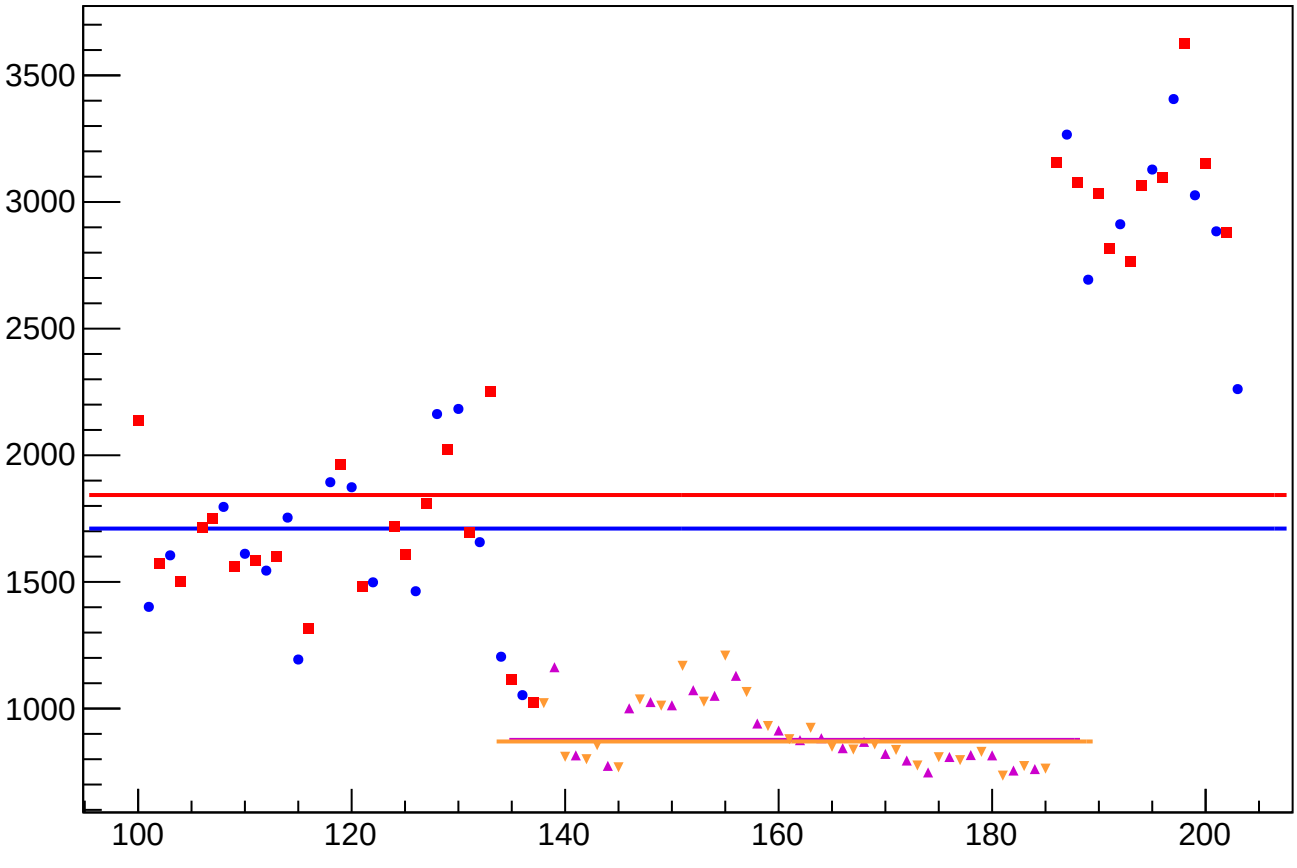
Right: 115.999+/-0.016 χ^2/NDF: 2157236.1/52

In: 98.012+/-0.013 χ^2/NDF:2185891.6/46

Out: 99.023+/-0.012 χ^2/NDF:3016305.0/53

All: 98.529+/-0.009 χ^2/NDF: 5205457.9/100


asym_sam_24_68_dd_dit_correction_mean vs Slug, Sign Corrected
20000
15000
10000
5000
0
−5000
−10000
100
120
140
160
180
200
Right In: -1053.409+/-503.572 χ²/NDF: 25.9/23
Left Out: -802.532+/-199.851 χ²/NDF:58.3/24
Right Out: 1165.489+/-514.570 χ²/NDF: 20.4/28
Left In: 65.218+/-206.677 χ²/NDF:30.7/22
Left: -383.224+/-143.669 χ²/NDF: 98.1/47
Right: 32.073+/-359.905 χ²/NDF: 55.8/52
In: -96.046+/-191.200 χ²/NDF:60.9/46
Out: -544.581+/-186.294 χ²/NDF:91.4/53
All: -326.142+/-133.430 χ²/NDF: 155.1/100



Right In: 1710.651+/-0.356 χ^2/NDF: 3131601.5/23

Left Out: 870.009+/-0.141 χ^2/NDF:647274.1/24

Right Out: 1843.079+/-0.364 χ^2/NDF: 3349024.7/28

Left In: 876.273+/-0.146 χ^2/NDF:597200.7/22

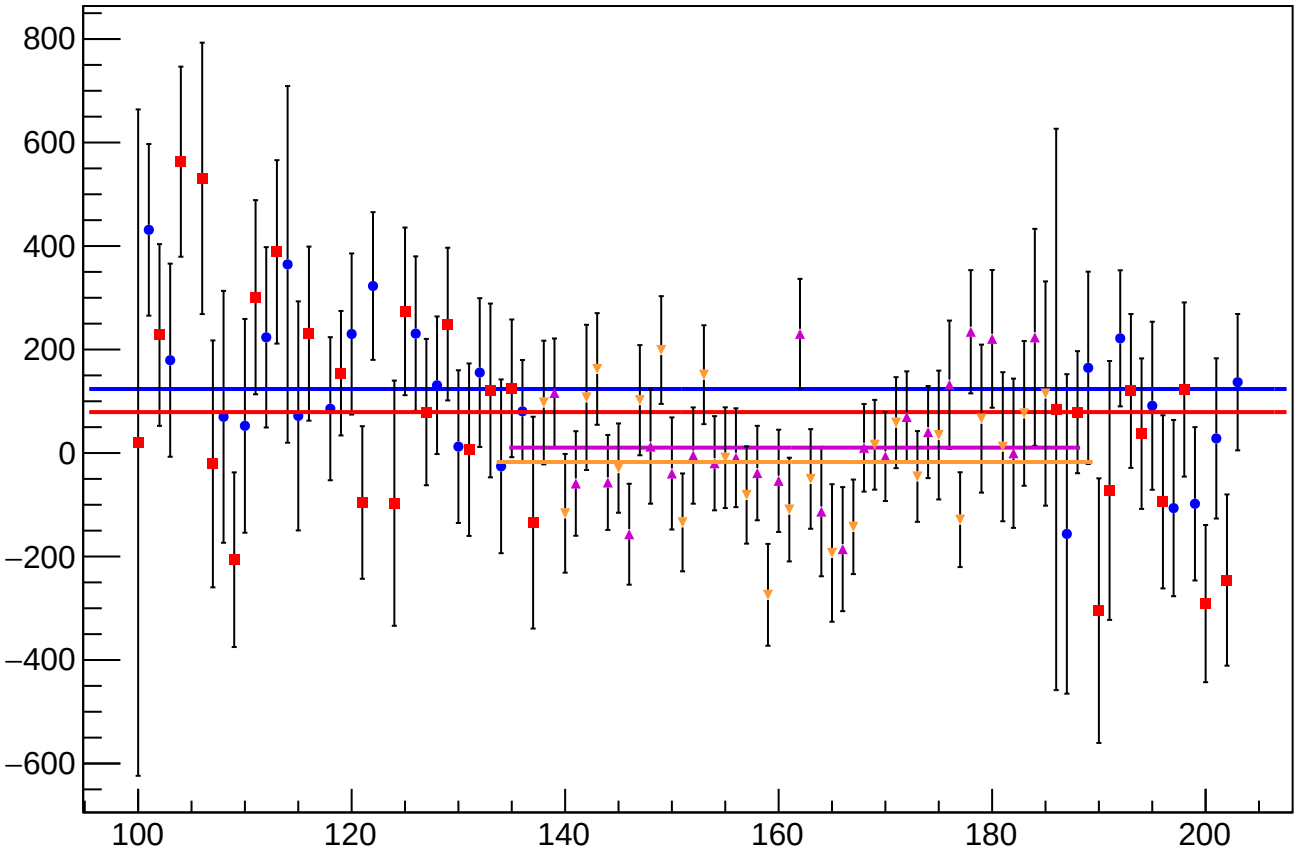
Left: 873.036+/-0.102 χ^2/NDF: 1245424.4/47

Right: 1775.435+/-0.254 χ^2/NDF: 6548288.6/52

In: 996.559+/-0.135 χ^2/NDF:8428003.8/46

Out: 997.550+/-0.132 χ^2/NDF:10210894.2/53

All: 997.068+/-0.094 χ^2/NDF: 18638925.5/10



Right In: 123.711+/-32.321 χ^2/NDF: 15.1/23

Left Out: -17.356+/-20.987 χ^2/NDF:31.2/24

Right Out: 79.094+/-31.685 χ^2/NDF: 39.2/28

Left In: 10.412+/-21.503 χ^2/NDF:22.6/22

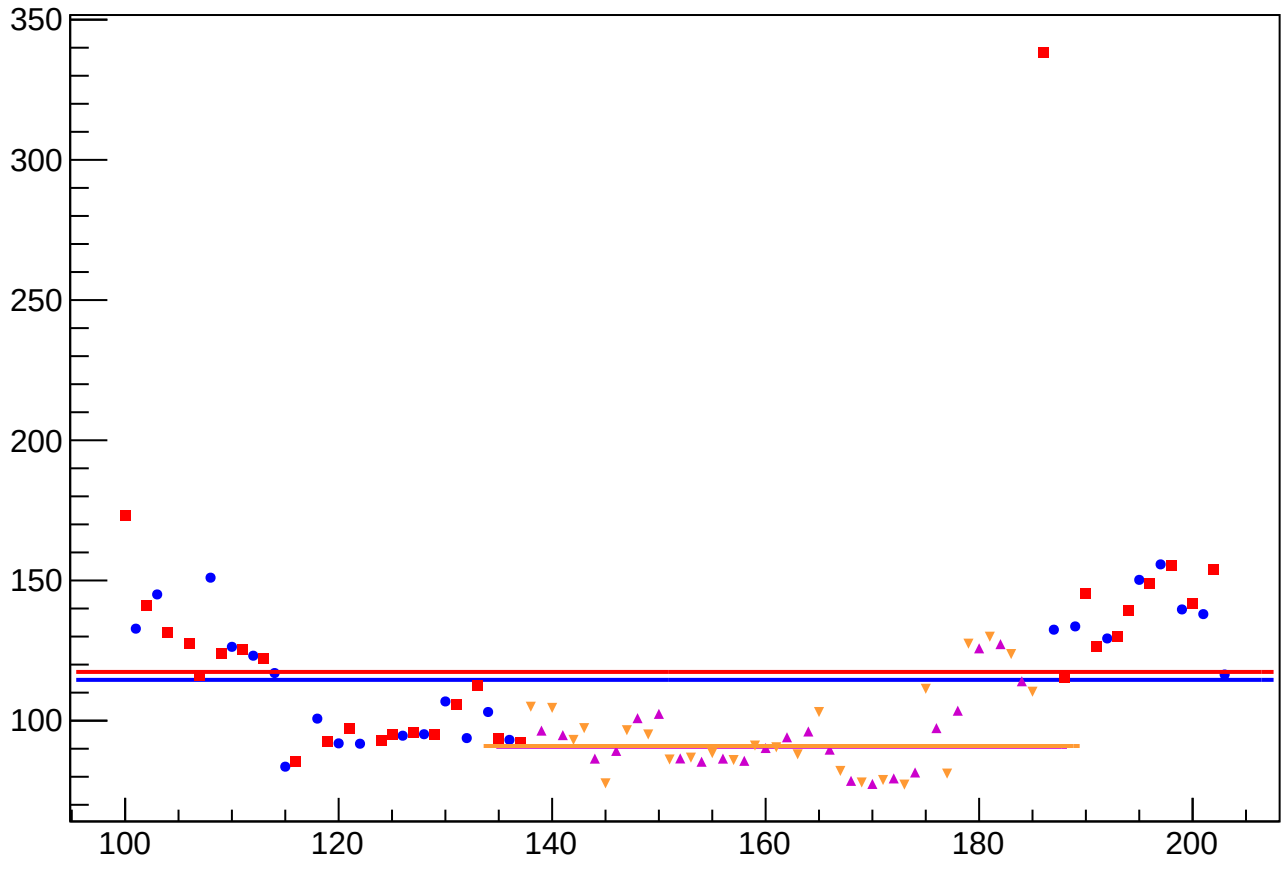
Left: -3.810+/-15.019 χ^2/NDF: 54.7/47

Right: 100.959+/-22.626 χ^2/NDF: 55.3/52

In: 45.174+/-17.903 χ^2/NDF:46.3/46

Out: 12.056+/-17.497 χ^2/NDF:76.9/53

All: 28.234+/-12.513 χ^2/NDF: 124.9/100



Right In: 114.554+/-0.023 χ^2/NDF: 884125.1/23

Left Out: 90.967+/-0.015 χ^2/NDF:784529.9/24

Right Out: 117.385+/-0.022 χ^2/NDF: 1265338.3/28

Left In: 90.690+/-0.015 χ^2/NDF:545960.7/22

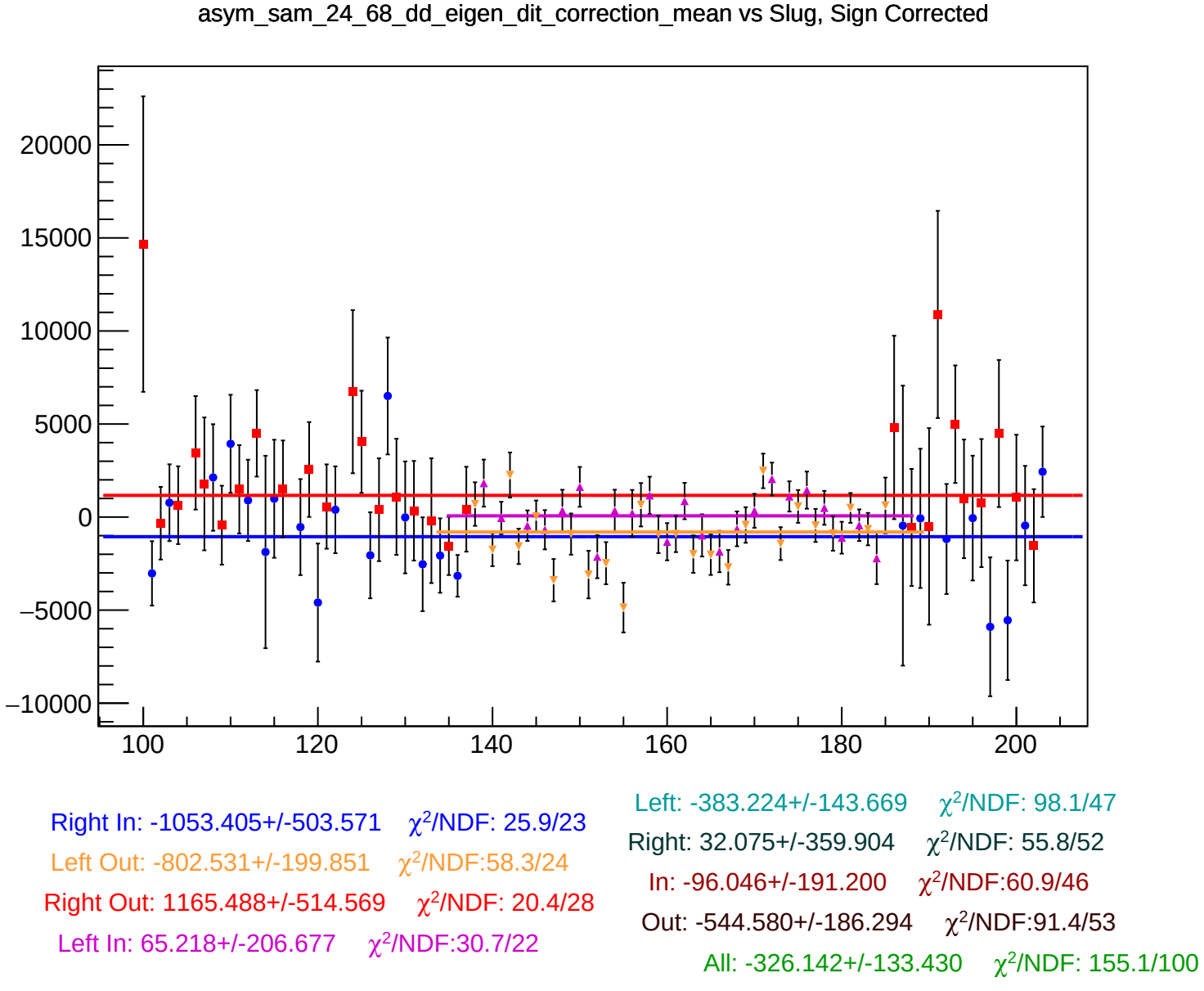
Left: 90.832+/-0.011 χ^2/NDF: 1330660.5/47

Right: 115.998+/-0.016 χ^2/NDF: 2157288.4/52

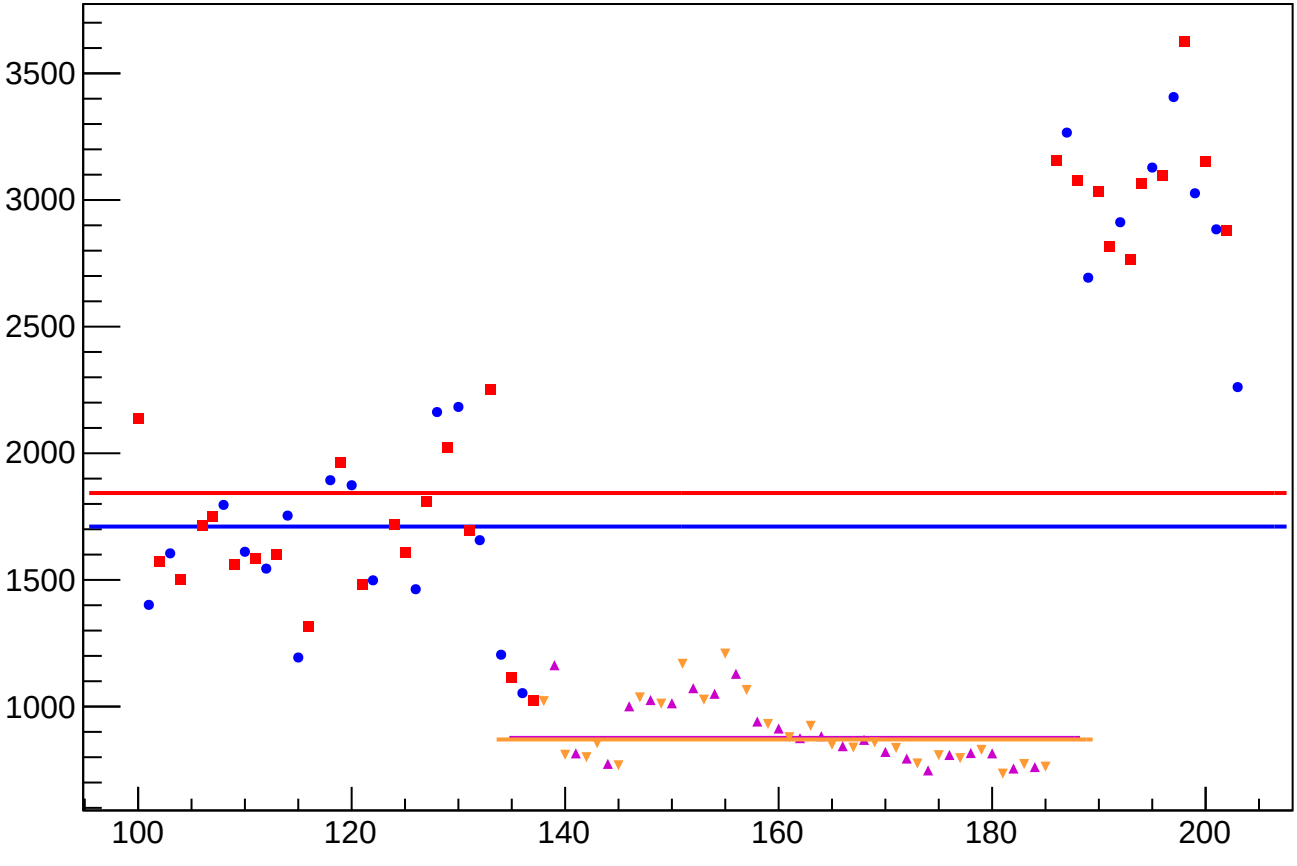
In: 98.012+/-0.013 χ^2/NDF:2185861.0/46

Out: 99.023+/-0.012 χ^2/NDF:3016292.1/53

All: 98.529+/-0.009 χ^2/NDF: 5205415.5/100


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: -1053.405+/-503.571 χ²/NDF: 25.9/23
Left Out: -802.531+/-199.851 χ²/NDF:58.3/24
Right Out: 1165.488+/-514.569 χ²/NDF: 20.4/28
Left In: 65.218+/-206.677 χ²/NDF:30.7/22
Left: -383.224+/-143.669 χ²/NDF: 98.1/47
Right: 32.075+/-359.904 χ²/NDF: 55.8/52
In: -96.046+/-191.200 χ²/NDF:60.9/46
Out: -544.580+/-186.294 χ²/NDF:91.4/53
All: -326.142+/-133.430 χ²/NDF: 155.1/100

asym_sam_24_68_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 1710.648+/-0.356 χ^2/NDF: 3131605.2/23

Left Out: 870.008+/-0.141 χ^2/NDF:647275.9/24

Right Out: 1843.075+/-0.364 χ^2/NDF: 3349033.8/28

Left In: 876.272+/-0.146 χ^2/NDF:597200.9/22

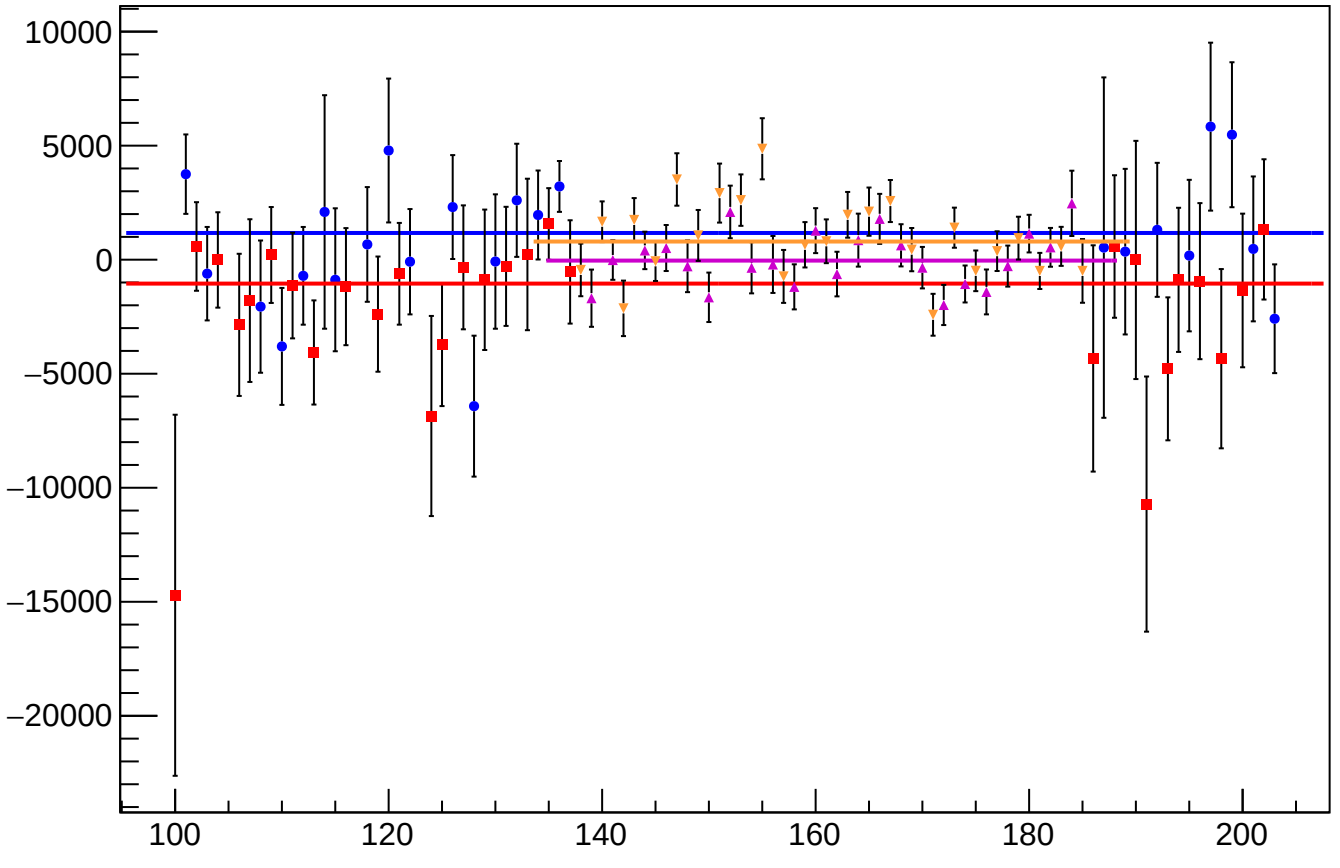
Left: 873.035+/-0.102 χ^2/NDF: 1245426.3/47

Right: 1775.431+/-0.254 χ^2/NDF: 6548301.2/52

In: 996.558+/-0.135 χ^2/NDF:8427998.6/46

Out: 997.549+/-0.132 χ^2/NDF:10210890.1/53

All: 997.067+/-0.094 χ^2/NDF: 18638916.2/10



Right In: 1171.735+/-497.942 χ^2/NDF: 27.3/23

Left Out: 796.287+/-198.802 χ^2/NDF:57.2/24

Right Out: -1048.322+/-510.888 χ^2/NDF: 19.1/28

Left In: -39.746+/-205.349 χ^2/NDF:29.7/22

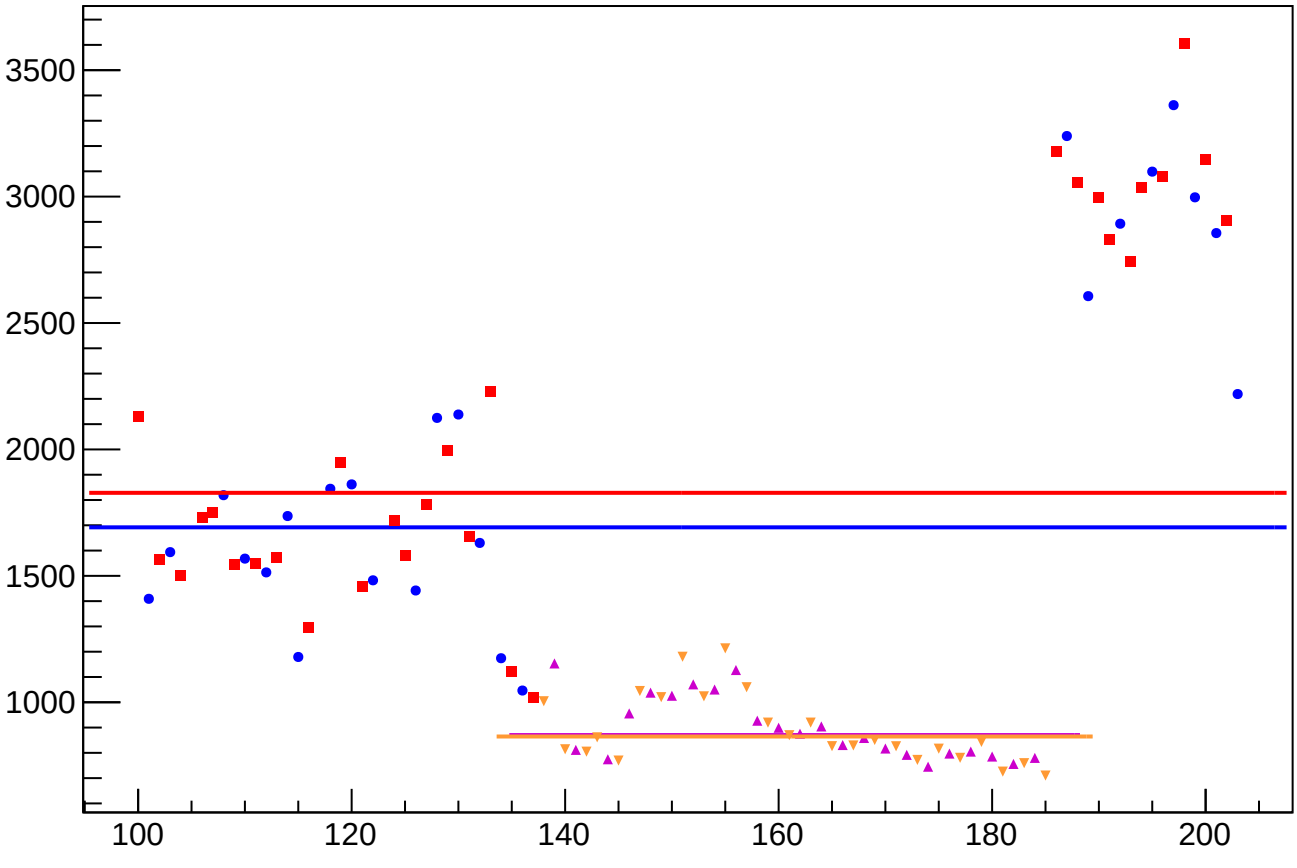
Left: 391.811+/-142.833 χ^2/NDF: 95.5/47

Right: 90.191+/-356.587 χ^2/NDF: 56.0/52

In: 136.344+/-189.840 χ^2/NDF:62.1/46

Out: 553.704+/-185.269 χ^2/NDF:87.6/53

All: 350.108+/-132.592 χ^2/NDF: 152.1/100



Right In: 1691.913+/-0.352 χ^2/NDF: 3104738.9/23

Left Out: 864.637+/-0.141 χ^2/NDF:688948.2/24

Right Out: 1828.385+/-0.361 χ^2/NDF: 3364463.3/28

Left In: 870.346+/-0.145 χ^2/NDF:604520.6/22

Left: 867.399+/-0.101 χ^2/NDF: 1294266.9/47

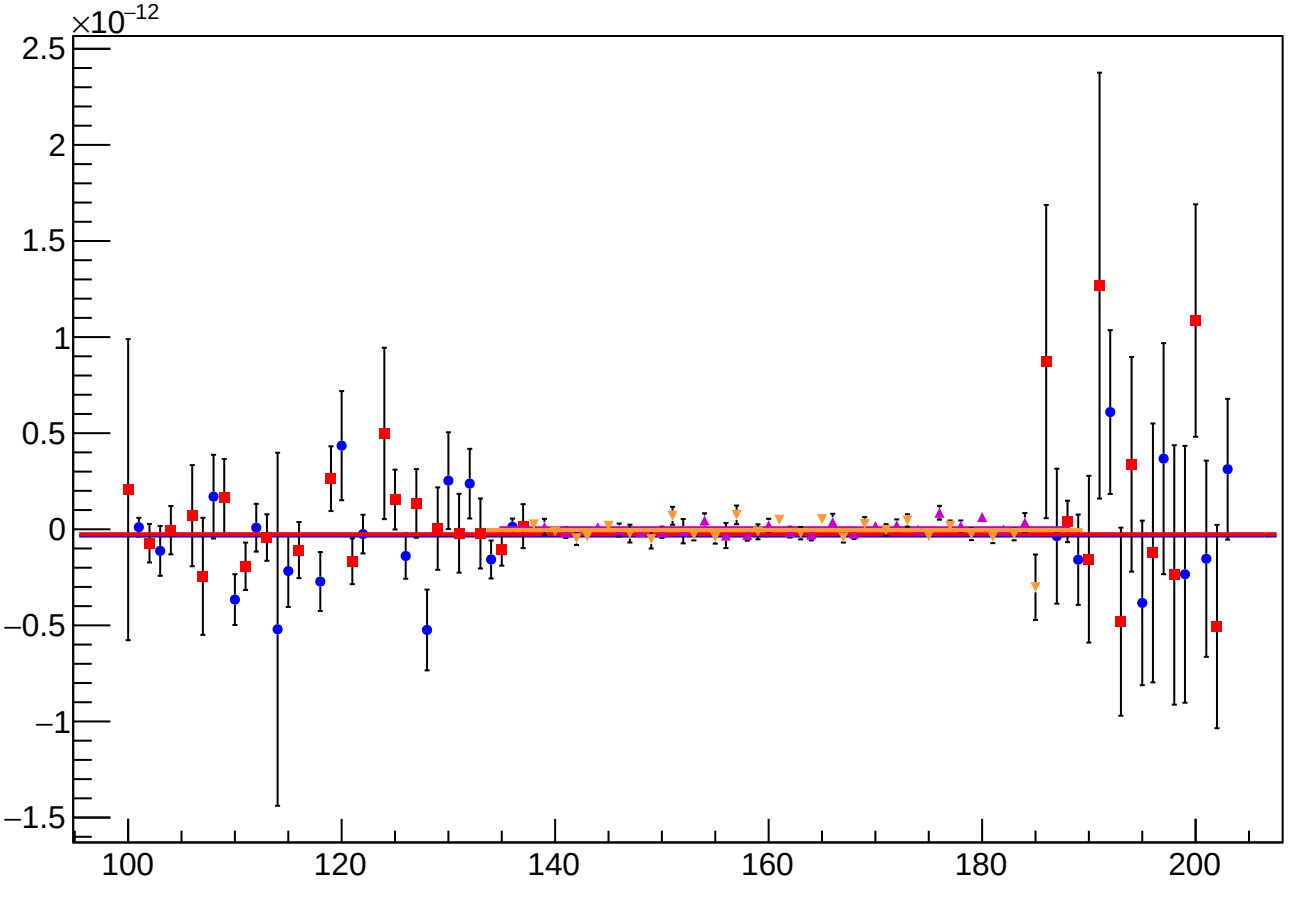
Right: 1758.398+/-0.252 χ^2/NDF: 6542389.6/52

In: 989.762+/-0.134 χ^2/NDF:8362409.3/46

Out: 991.378+/-0.131 χ^2/NDF:10234591.5/53

All: 990.590+/-0.094 χ^2/NDF: 18597075.1/10

asym_sam_24_68_dd_reg_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.000 χ^2/NDF: 32.1/23

Left Out: -0.000+/-0.000 χ^2/NDF:38.7/24

Right Out: -0.000+/-0.000 χ^2/NDF: 21.7/28

Left In: 0.000+/-0.000 χ^2/NDF:20.6/22

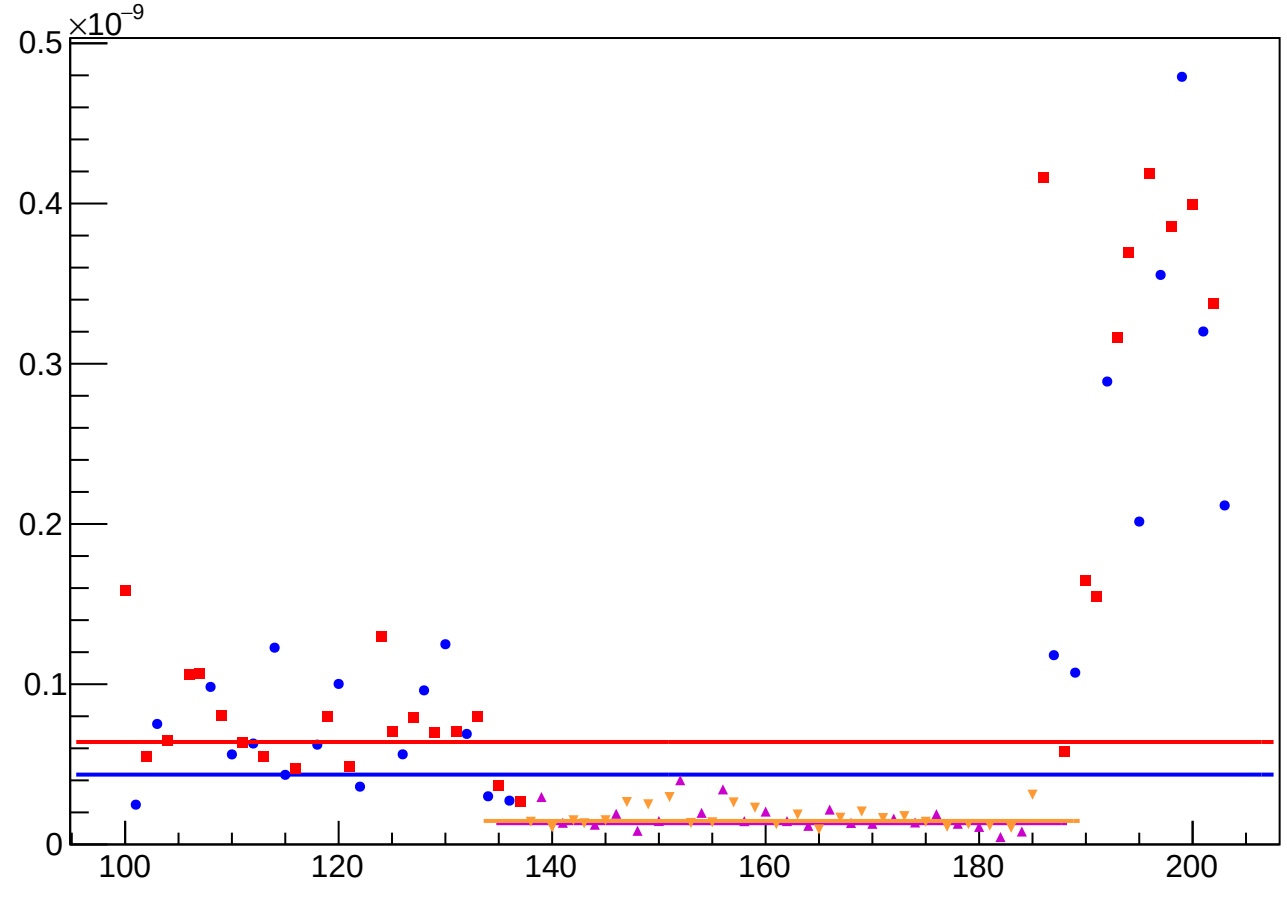
Left: 0.000+/-0.000 χ^2/NDF: 60.6/47

Right: -0.000+/-0.000 χ^2/NDF: 53.9/52

In: 0.000+/-0.000 χ^2/NDF:55.0/46

Out: -0.000+/-0.000 χ^2/NDF:60.9/53

All: -0.000+/-0.000 χ^2/NDF: 116.8/100



Right In: 0.000+/-0.000 χ^2/NDF: 5032085.8/23

Left Out: 0.000+/-0.000 χ^2/NDF:1073691.3/24

Right Out: 0.000+/-0.000 χ^2/NDF: 4535404.0/28

Left In: 0.000+/-0.000 χ^2/NDF:1970835.1/22

Left: 0.000+/-0.000 χ^2/NDF: 3099270.2/47

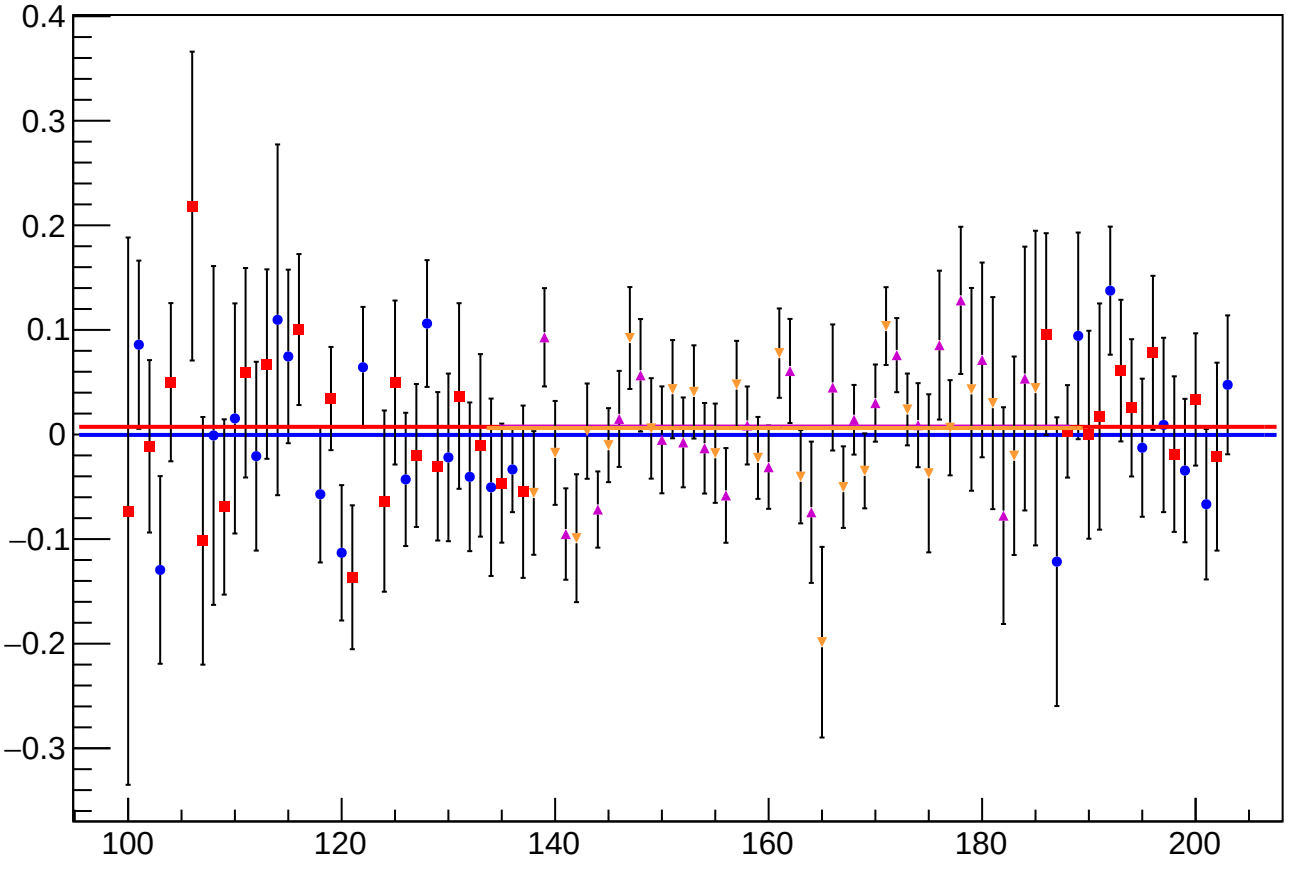
Right: 0.000+/-0.000 χ^2/NDF: 10079091.0/52

In: 0.000+/-0.000 χ^2/NDF:9862957.8/46

Out: 0.000+/-0.000 χ^2/NDF:10241754.9/53

All: 0.000+/-0.000 χ^2/NDF: 20160992.3/100

asym_sam_24_68_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.015 χ^2/NDF: 22.9/23

Left Out: 0.006+/-0.010 χ^2/NDF:30.8/24

Right Out: 0.007+/-0.014 χ^2/NDF: 17.1/28

Left In: 0.007+/-0.010 χ^2/NDF:30.4/22

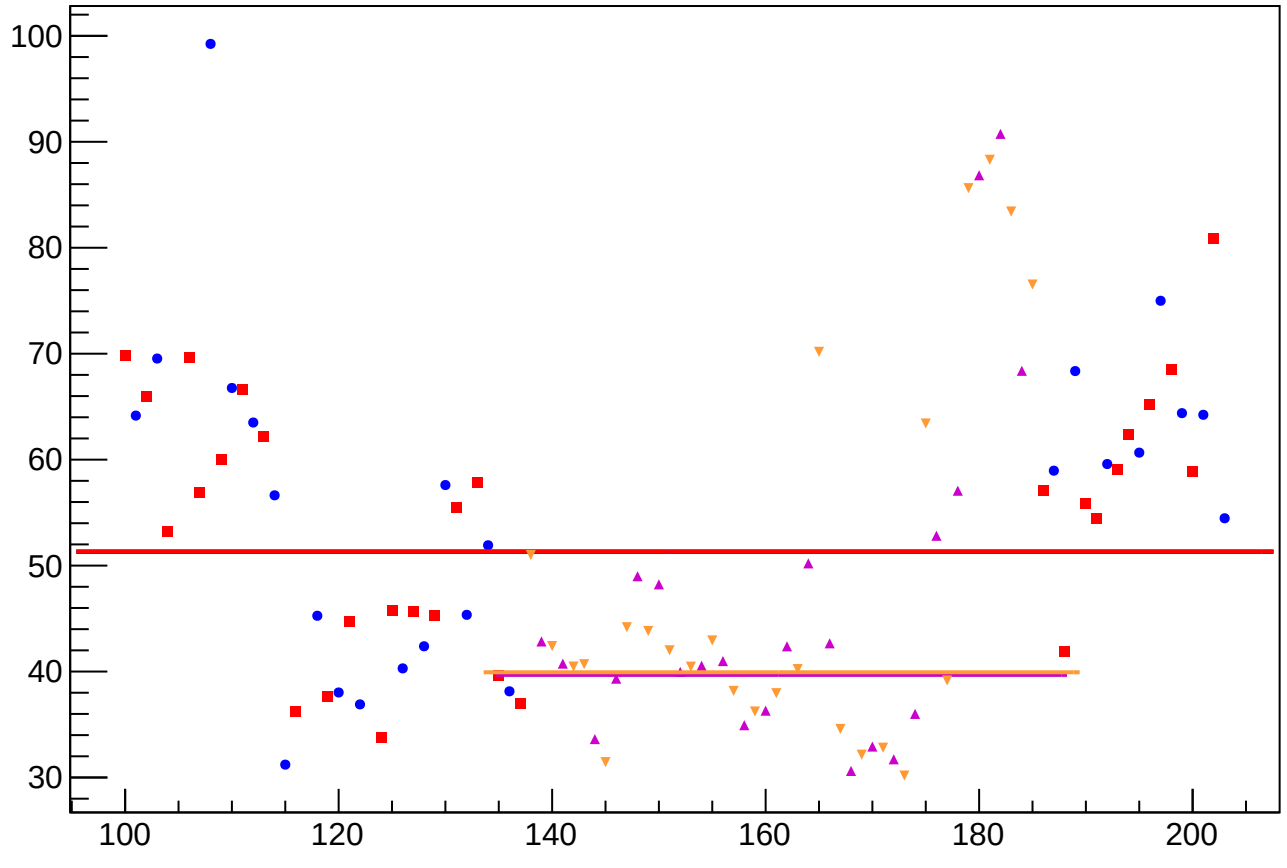
Left: 0.007+/-0.007 χ^2/NDF: 61.3/47

Right: 0.004+/-0.010 χ^2/NDF: 40.2/52

In: 0.005+/-0.008 χ^2/NDF:53.6/46

Out: 0.007+/-0.008 χ^2/NDF:48.0/53

All: 0.006+/-0.006 χ^2/NDF: 101.6/100



Right In: 51.298+/-0.011 χ^2/NDF: 1514162.3/23

Left Out: 39.930+/-0.007 χ^2/NDF:2475485.4/24

Right Out: 51.356+/-0.010 χ^2/NDF: 1355048.6/28

Left In: 39.686+/-0.007 χ^2/NDF:1915871.4/22

Left: 39.811+/-0.005 χ^2/NDF: 4391996.2/47

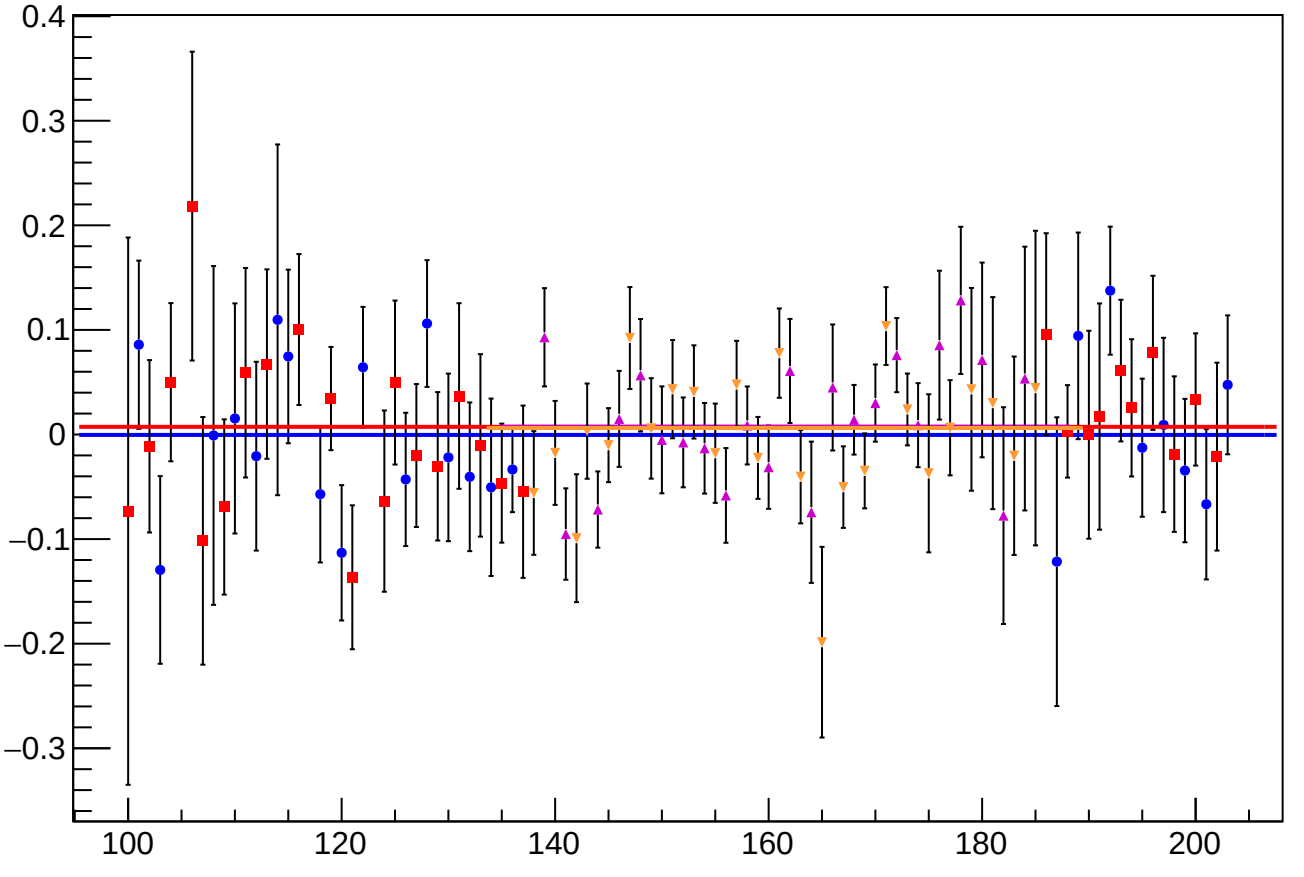
Right: 51.328+/-0.007 χ^2/NDF: 2869227.0/52

In: 43.186+/-0.006 χ^2/NDF:4280918.4/46

Out: 43.545+/-0.006 χ^2/NDF:4732036.2/53

All: 43.371+/-0.004 χ^2/NDF: 9014937.1/100

asym_sam_24_68_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.015 χ^2/NDF: 22.9/23

Left Out: 0.006+/-0.010 χ^2/NDF:30.8/24

Right Out: 0.007+/-0.014 χ^2/NDF: 17.1/28

Left In: 0.007+/-0.010 χ^2/NDF:30.4/22

Left: 0.007+/-0.007 χ^2/NDF: 61.3/47

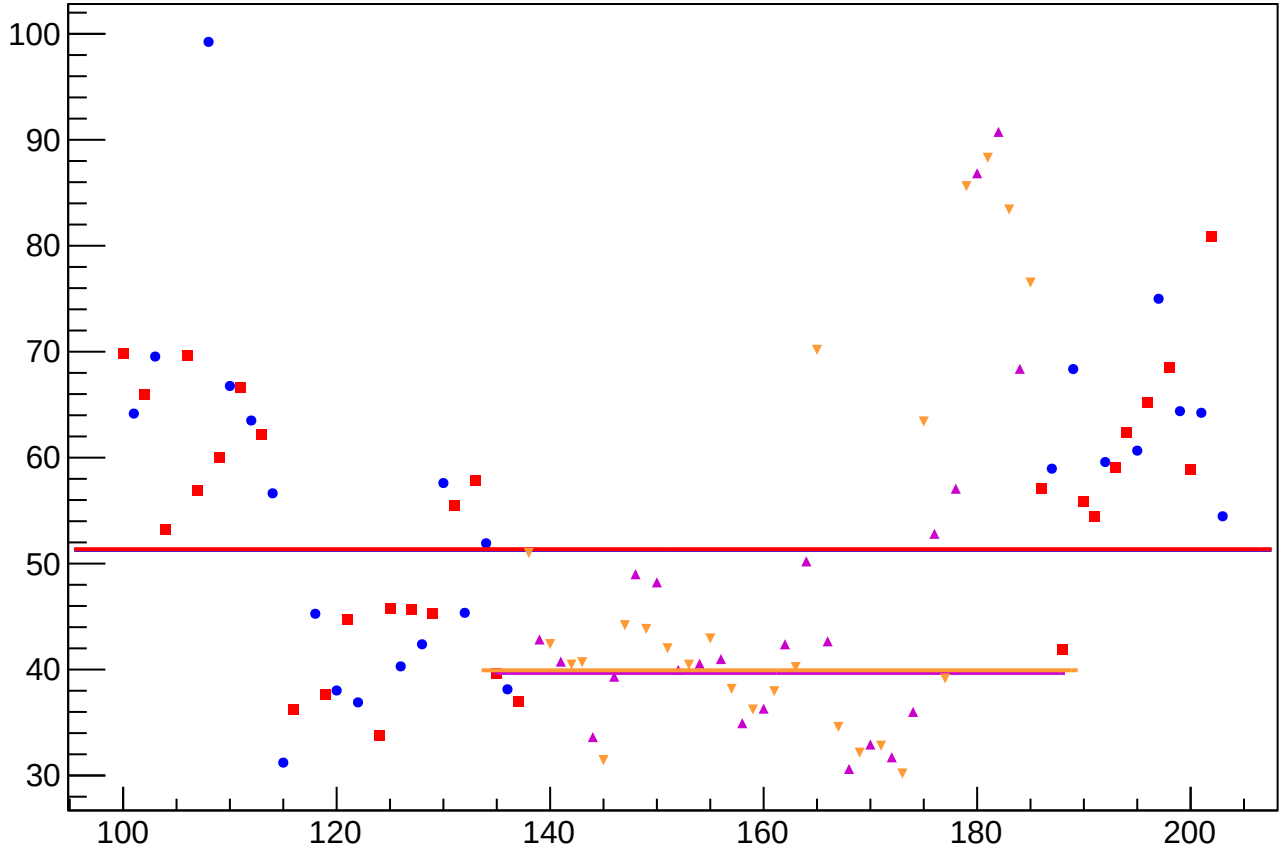
Right: 0.004+/-0.010 χ^2/NDF: 40.2/52

In: 0.005+/-0.008 χ^2/NDF:53.6/46

Out: 0.007+/-0.008 χ^2/NDF:48.0/53

All: 0.006+/-0.006 χ^2/NDF: 101.6/100

asym_sam_24_68_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 51.298+/-0.011 χ^2/NDF: 1514162.3/23

Left Out: 39.930+/-0.007 χ^2/NDF:2475485.4/24

Right Out: 51.356+/-0.010 χ^2/NDF: 1355048.6/28

Left In: 39.686+/-0.007 χ^2/NDF:1915871.4/22

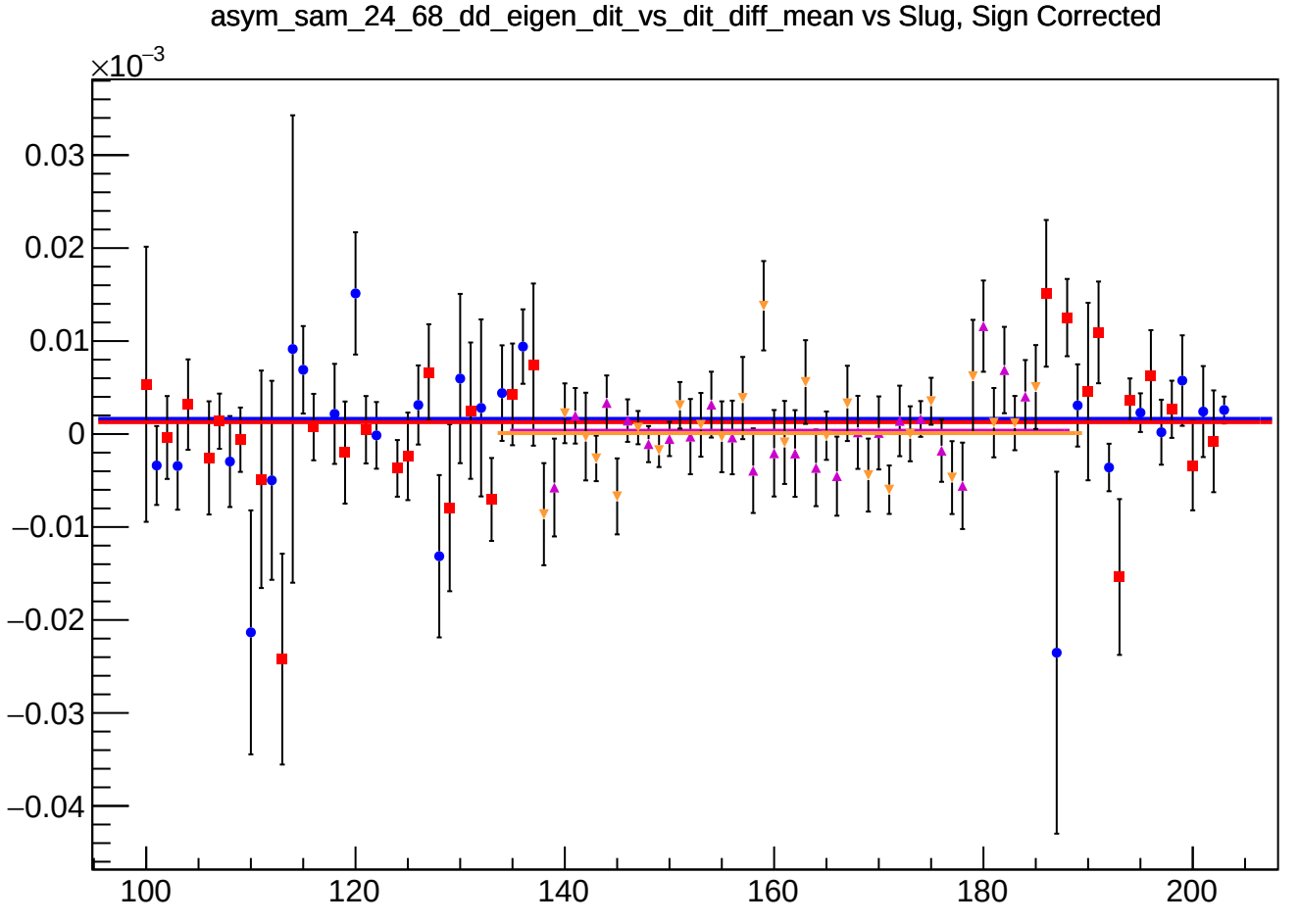
Left: 39.811+/-0.005 χ^2/NDF: 4391996.2/47

Right: 51.328+/-0.007 χ^2/NDF: 2869227.0/52

In: 43.186+/-0.006 χ^2/NDF:4280918.4/46

Out: 43.545+/-0.006 χ^2/NDF:4732036.2/53

All: 43.371+/-0.004 χ^2/NDF: 9014937.1/100



Right In: 0.000+/-0.000 χ^2/NDF: 27.4/23

Left Out: 0.000+/-0.000 χ^2/NDF:33.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 37.4/28

Left In: 0.000+/-0.000 χ^2/NDF:18.7/22

Left: 0.000+/-0.000 χ^2/NDF: 52.0/47

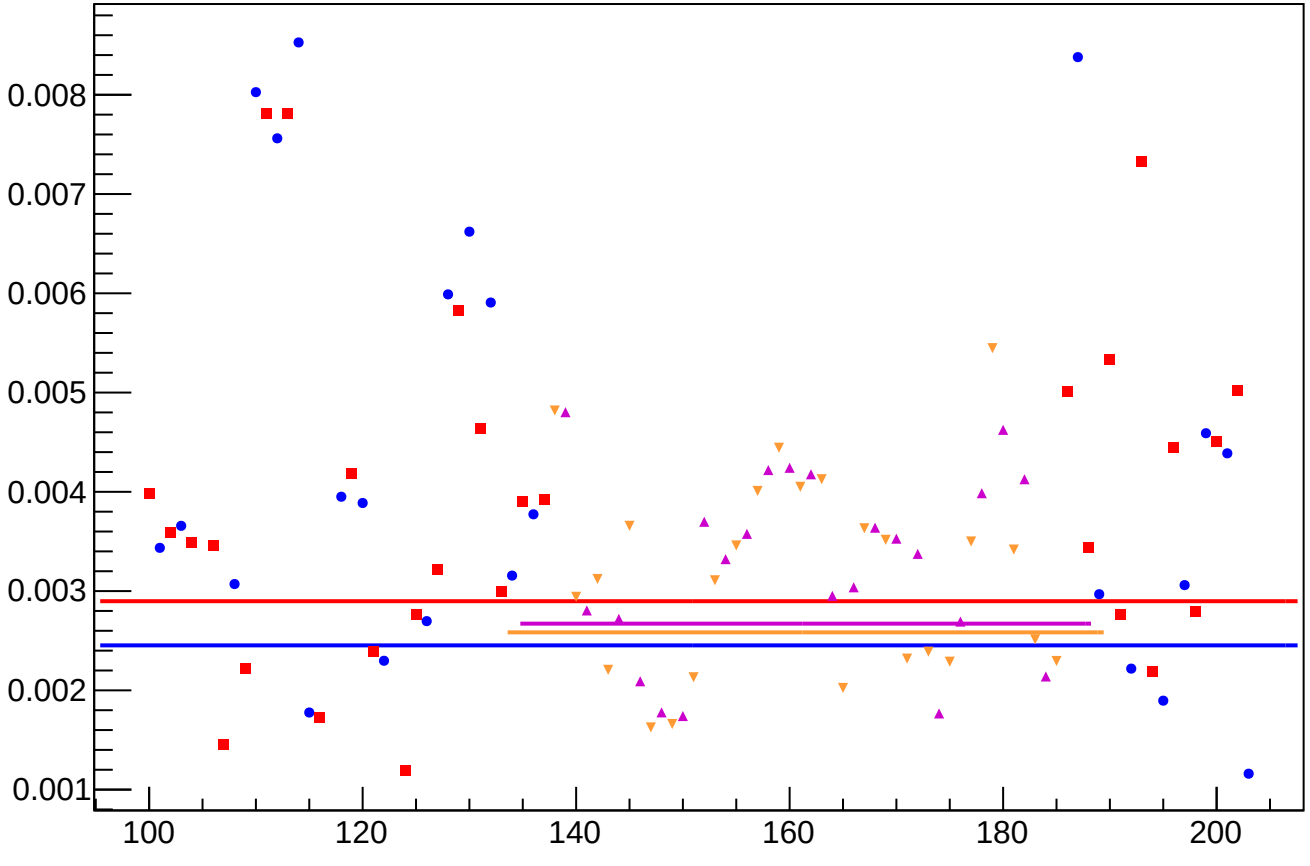
Right: 0.000+/-0.000 χ^2/NDF: 64.9/52

In: 0.000+/-0.000 χ^2/NDF:47.7/46

Out: 0.000+/-0.000 χ^2/NDF:71.9/53

All: 0.000+/-0.000 χ^2/NDF: 119.8/100

asym_sam_24_68_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.002+/-0.000 χ^2/NDF: 5503250.6/23

Left Out: 0.003+/-0.000 χ^2/NDF:3892707.7/24

Right Out: 0.003+/-0.000 χ^2/NDF: 4579638.5/28

Left In: 0.003+/-0.000 χ^2/NDF:3825662.0/22

Left: 0.003+/-0.000 χ^2/NDF: 7736624.4/47

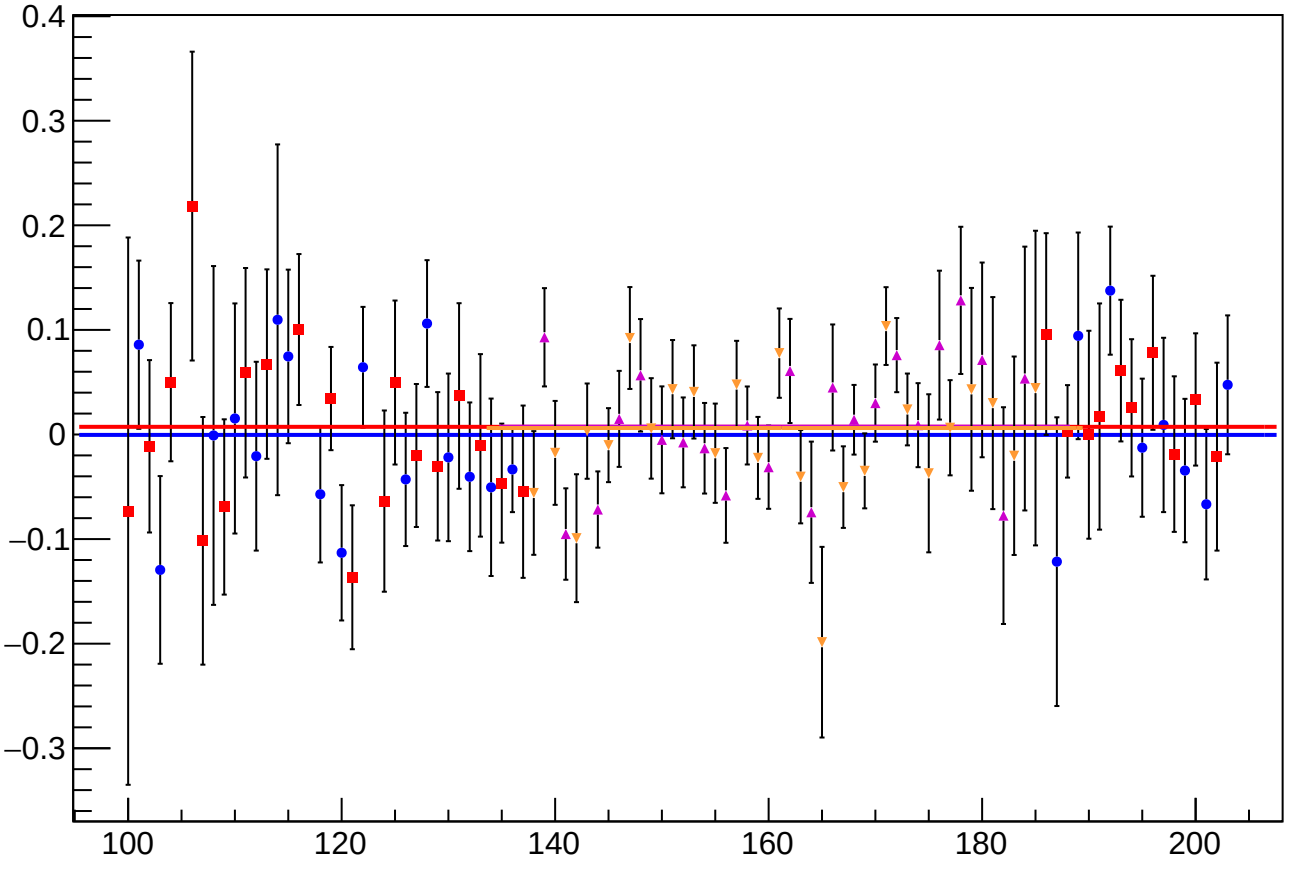
Right: 0.003+/-0.000 χ^2/NDF: 10377982.3/52

In: 0.003+/-0.000 χ^2/NDF:9418710.9/46

Out: 0.003+/-0.000 χ^2/NDF:8648785.5/53

All: 0.003+/-0.000 χ^2/NDF: 18118656.6/100

asym_sam_24_68_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.015 χ^2/NDF: 22.9/23

Left Out: 0.006+/-0.010 χ^2/NDF:30.8/24

Right Out: 0.007+/-0.014 χ^2/NDF: 17.1/28

Left In: 0.007+/-0.010 χ^2/NDF:30.4/22

Left: 0.007+/-0.007 χ^2/NDF: 61.3/47

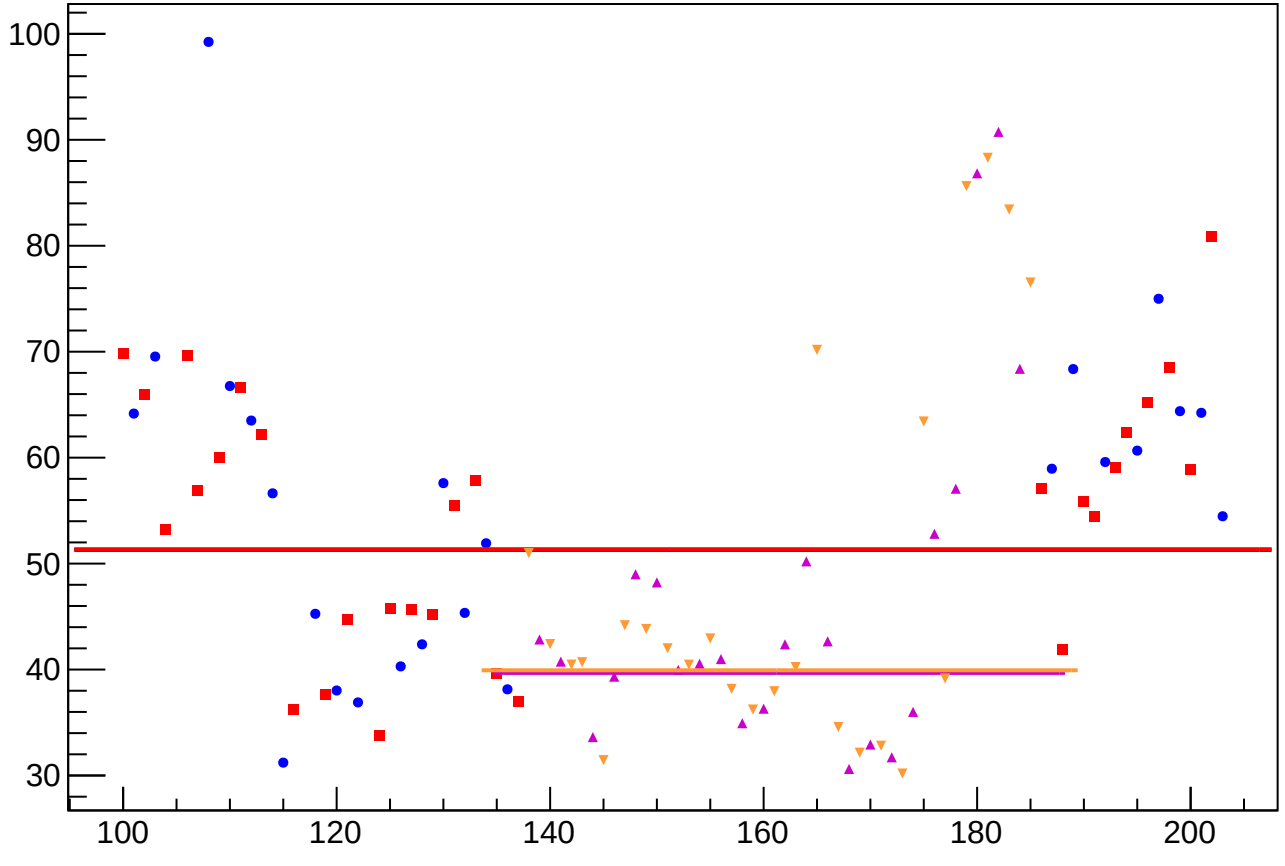
Right: 0.004+/-0.010 χ^2/NDF: 40.2/52

In: 0.005+/-0.008 χ^2/NDF:53.6/46

Out: 0.007+/-0.008 χ^2/NDF:48.0/53

All: 0.006+/-0.006 χ^2/NDF: 101.6/100

asym_sam_24_68_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 51.296+/-0.011 χ^2/NDF: 1514218.5/23

Left Out: 39.930+/-0.007 χ^2/NDF:2475527.1/24

Right Out: 51.355+/-0.010 χ^2/NDF: 1355087.2/28

Left In: 39.685+/-0.007 χ^2/NDF:1915901.2/22

Left: 39.810+/-0.005 χ^2/NDF: 4392069.1/47

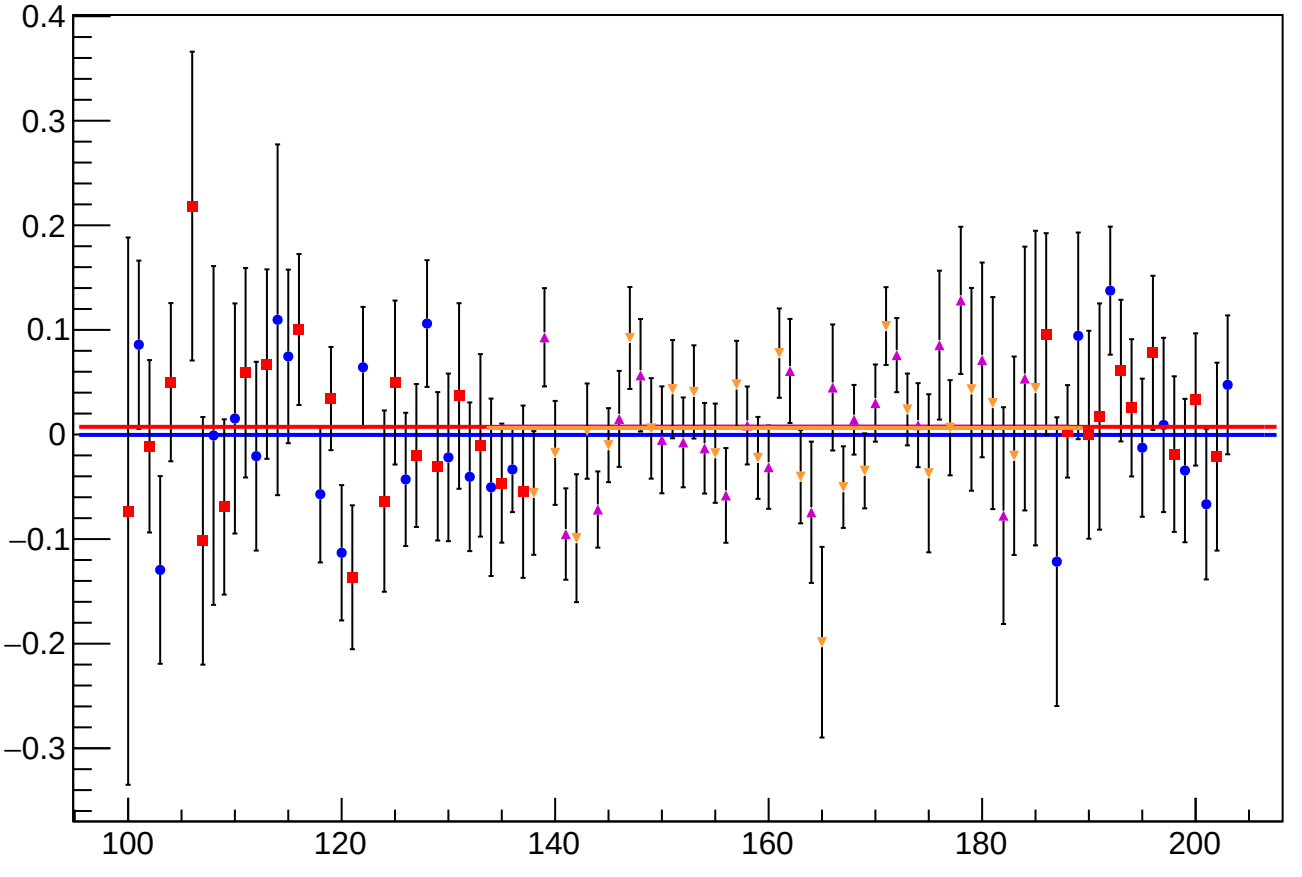
Right: 51.327+/-0.007 χ^2/NDF: 2869322.1/52

In: 43.186+/-0.006 χ^2/NDF:4280858.7/46

Out: 43.544+/-0.006 χ^2/NDF:4731996.8/53

All: 43.371+/-0.004 χ^2/NDF: 9014841.9/100

asym_sam_24_68_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.015 χ^2/NDF: 22.9/23

Left Out: 0.006+/-0.010 χ^2/NDF:30.8/24

Right Out: 0.007+/-0.014 χ^2/NDF: 17.1/28

Left In: 0.007+/-0.010 χ^2/NDF:30.4/22

Left: 0.007+/-0.007 χ^2/NDF: 61.3/47

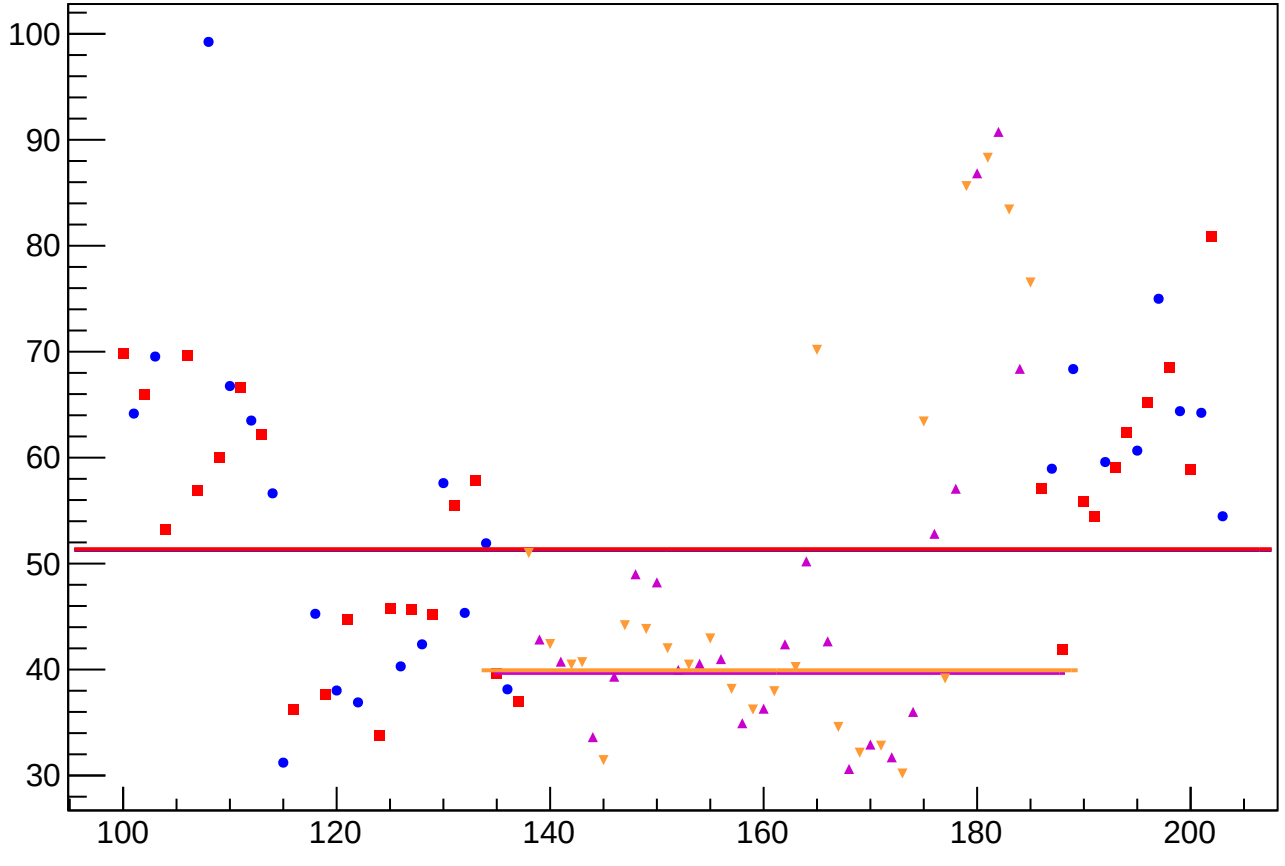
Right: 0.004+/-0.010 χ^2/NDF: 40.2/52

In: 0.005+/-0.008 χ^2/NDF:53.6/46

Out: 0.007+/-0.008 χ^2/NDF:48.0/53

All: 0.006+/-0.006 χ^2/NDF: 101.6/100

asym_sam_24_68_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 51.296+/-0.011 χ^2/NDF: 1514218.5/23

Left Out: 39.930+/-0.007 χ^2/NDF:2475527.1/24

Right Out: 51.355+/-0.010 χ^2/NDF: 1355087.2/28

Left In: 39.685+/-0.007 χ^2/NDF:1915901.2/22

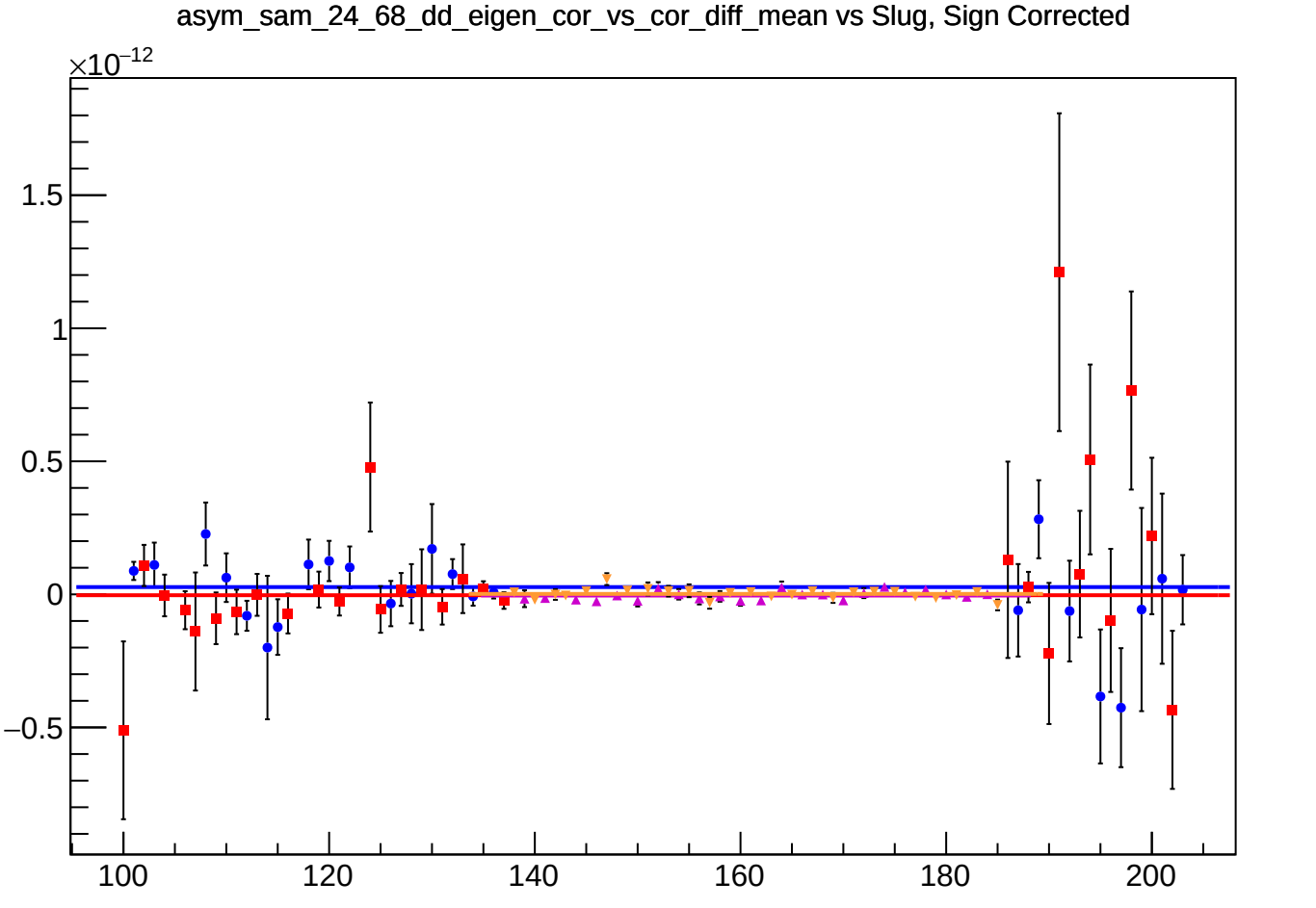
Left: 39.810+/-0.005 χ^2/NDF: 4392069.1/47

Right: 51.327+/-0.007 χ^2/NDF: 2869322.1/52

In: 43.186+/-0.006 χ^2/NDF:4280858.7/46

Out: 43.544+/-0.006 χ^2/NDF:4731996.8/53

All: 43.371+/-0.004 χ^2/NDF: 9014841.9/100



Right In: 0.000+/-0.000 χ^2/NDF: 31.3/23

Left Out: 0.000+/-0.000 χ^2/NDF:28.0/24

Right Out: -0.000+/-0.000 χ^2/NDF: 28.8/28

Left In: -0.000+/-0.000 χ^2/NDF:27.5/22

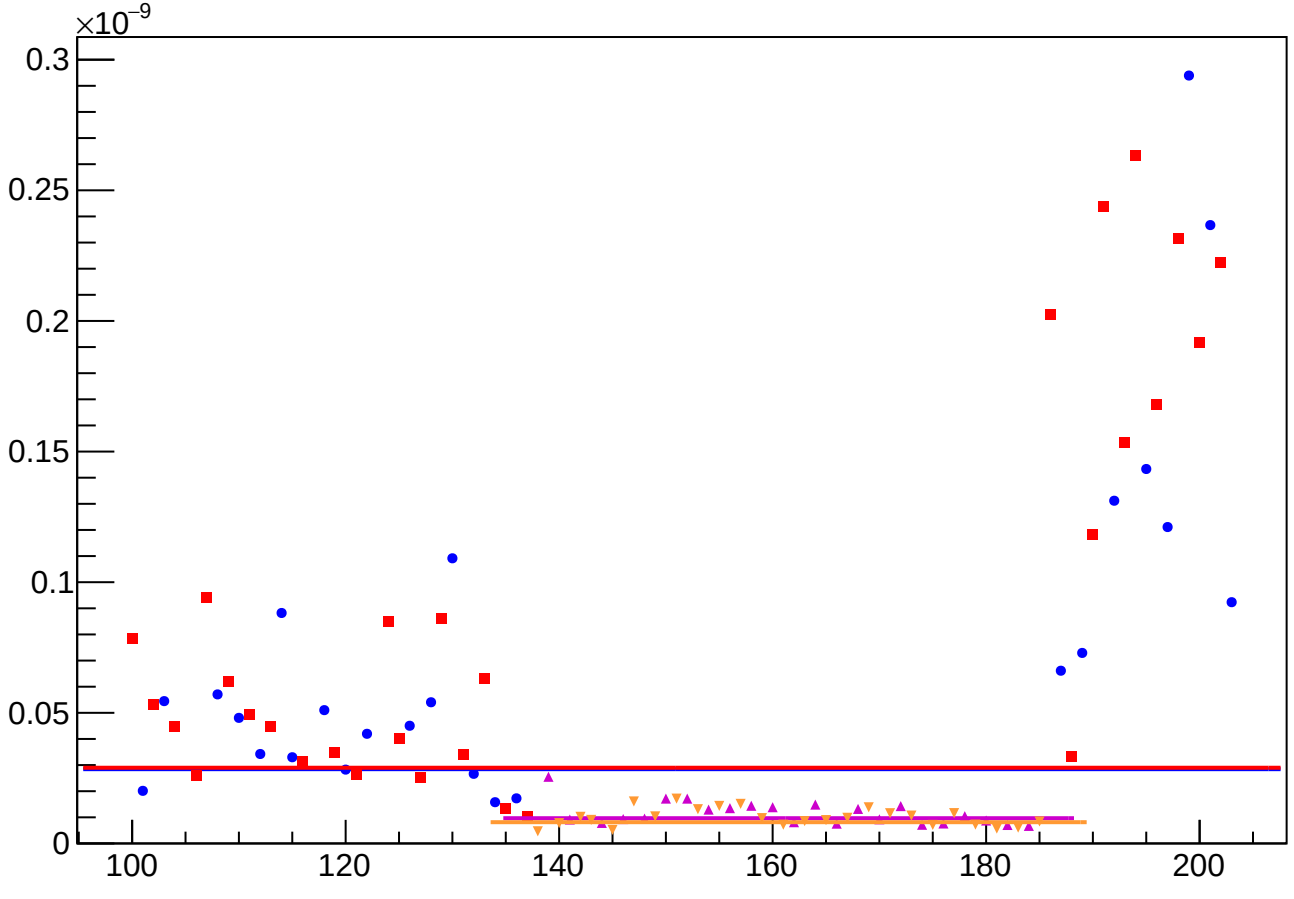
Left: -0.000+/-0.000 χ^2/NDF: 57.5/47

Right: 0.000+/-0.000 χ^2/NDF: 62.6/52

In: -0.000+/-0.000 χ^2/NDF:64.1/46

Out: 0.000+/-0.000 χ^2/NDF:56.9/53

All: -0.000+/-0.000 χ^2/NDF: 122.0/100



Right In: 0.000+/-0.000 χ^2/NDF: 6155412.7/23

Left Out: 0.000+/-0.000 χ^2/NDF:2354980.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 7836080.4/28

Left In: 0.000+/-0.000 χ^2/NDF:2106161.0/22

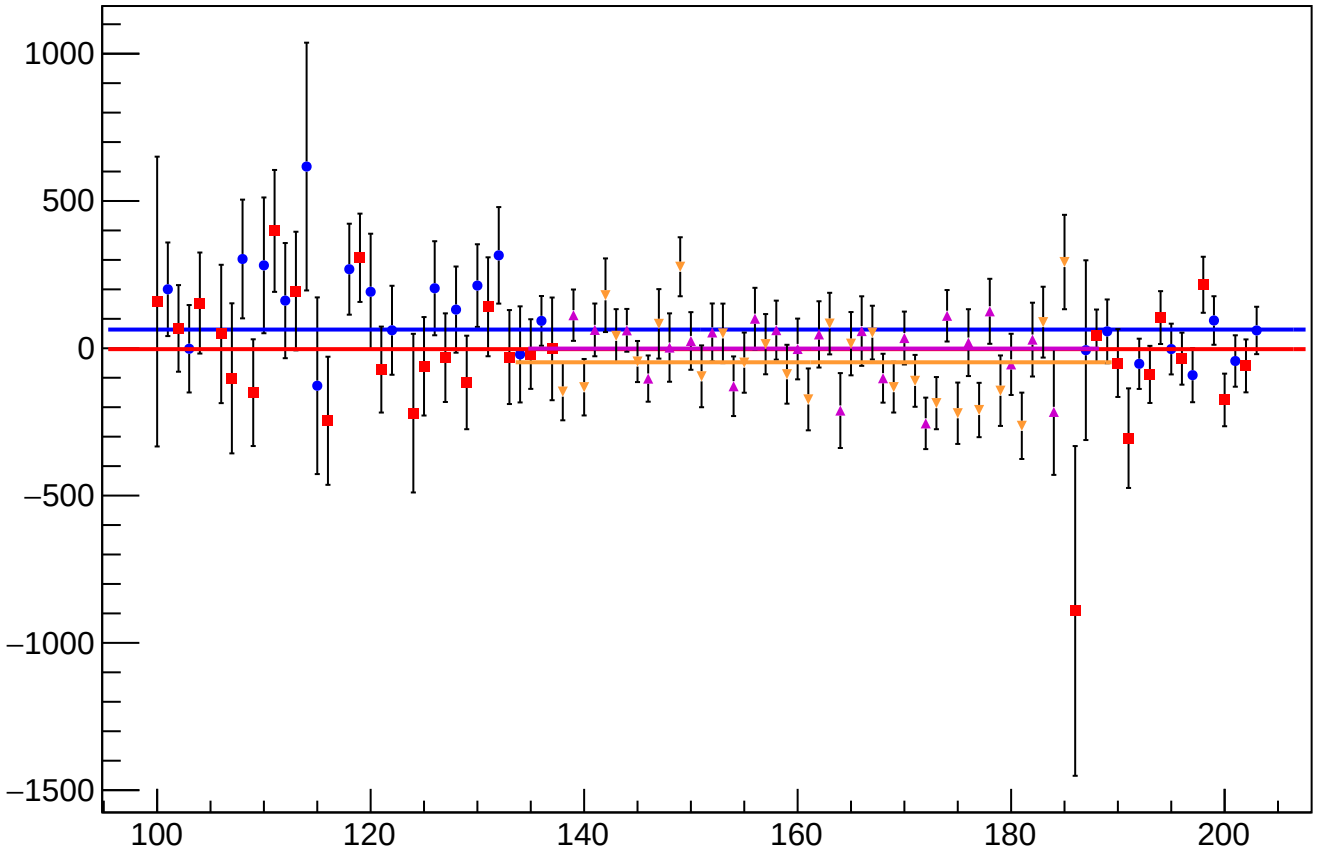
Left: 0.000+/-0.000 χ^2/NDF: 4748302.8/47

Right: 0.000+/-0.000 χ^2/NDF: 13993122.0/52

In: 0.000+/-0.000 χ^2/NDF:12069843.1/46

Out: 0.000+/-0.000 χ^2/NDF:14604375.0/53

All: 0.000+/-0.000 χ^2/NDF: 27078019.6/100



Right In: 63.572+/-25.361 χ^2/NDF: 19.7/23

Left Out: -47.524+/-19.983 χ^2/NDF:44.0/24

Right Out: -2.906+/-25.164 χ^2/NDF: 32.5/28

Left In: -0.986+/-20.604 χ^2/NDF:25.5/22

Left: -24.966+/-14.345 χ^2/NDF: 72.1/47

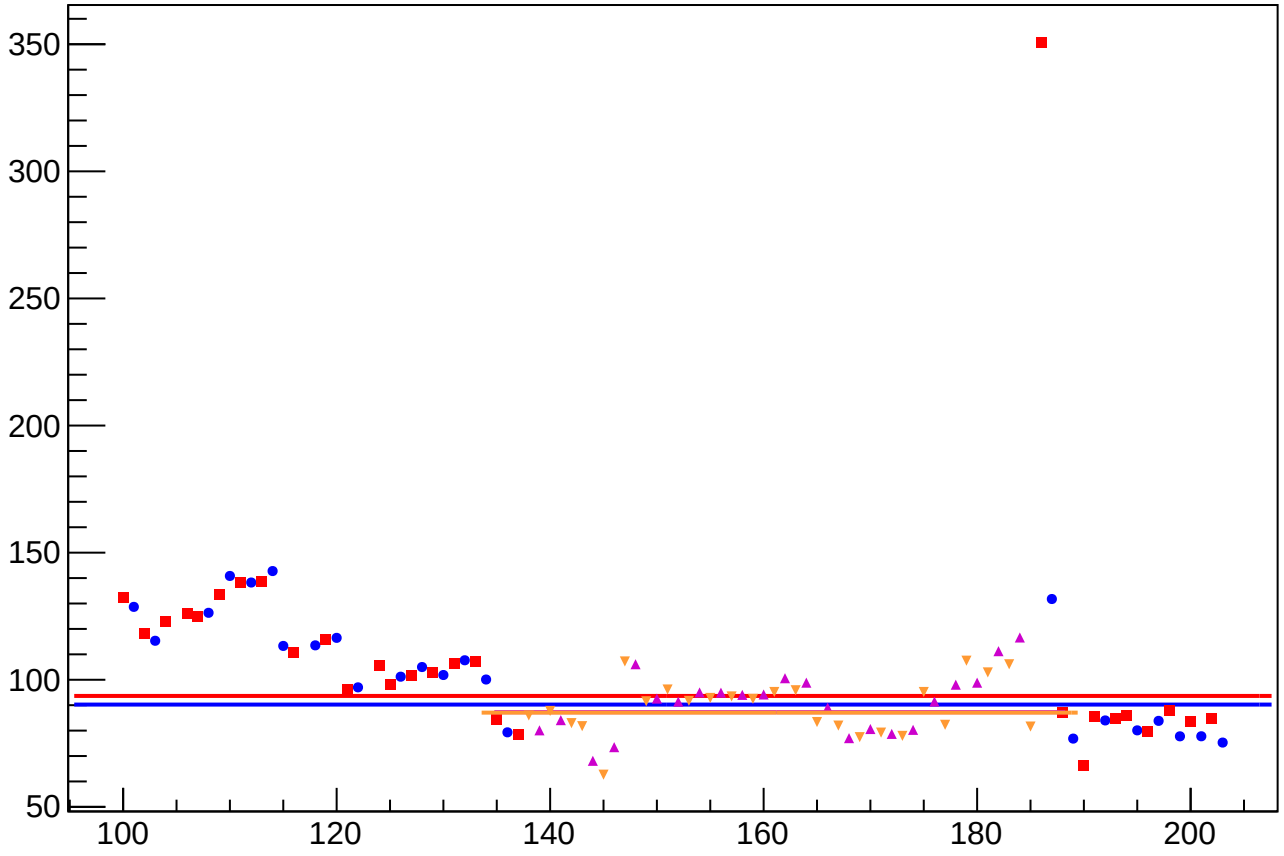
Right: 30.074+/-17.863 χ^2/NDF: 55.6/52

In: 24.682+/-15.991 χ^2/NDF:49.0/46

Out: -30.268+/-15.649 χ^2/NDF:78.4/53

All: -3.388+/-11.185 χ^2/NDF: 133.5/100

reg_asym_sam_26_48_dd_rms vs Slug, Sign Corrected



Right In: 90.239+/-0.018 χ^2/NDF: 962131.4/23

Left Out: 87.072+/-0.014 χ^2/NDF:620626.5/24

Right Out: 93.640+/-0.018 χ^2/NDF: 1301224.0/28

Left In: 87.257+/-0.015 χ^2/NDF:595793.1/22

Left: 87.161+/-0.010 χ^2/NDF: 1216502.5/47

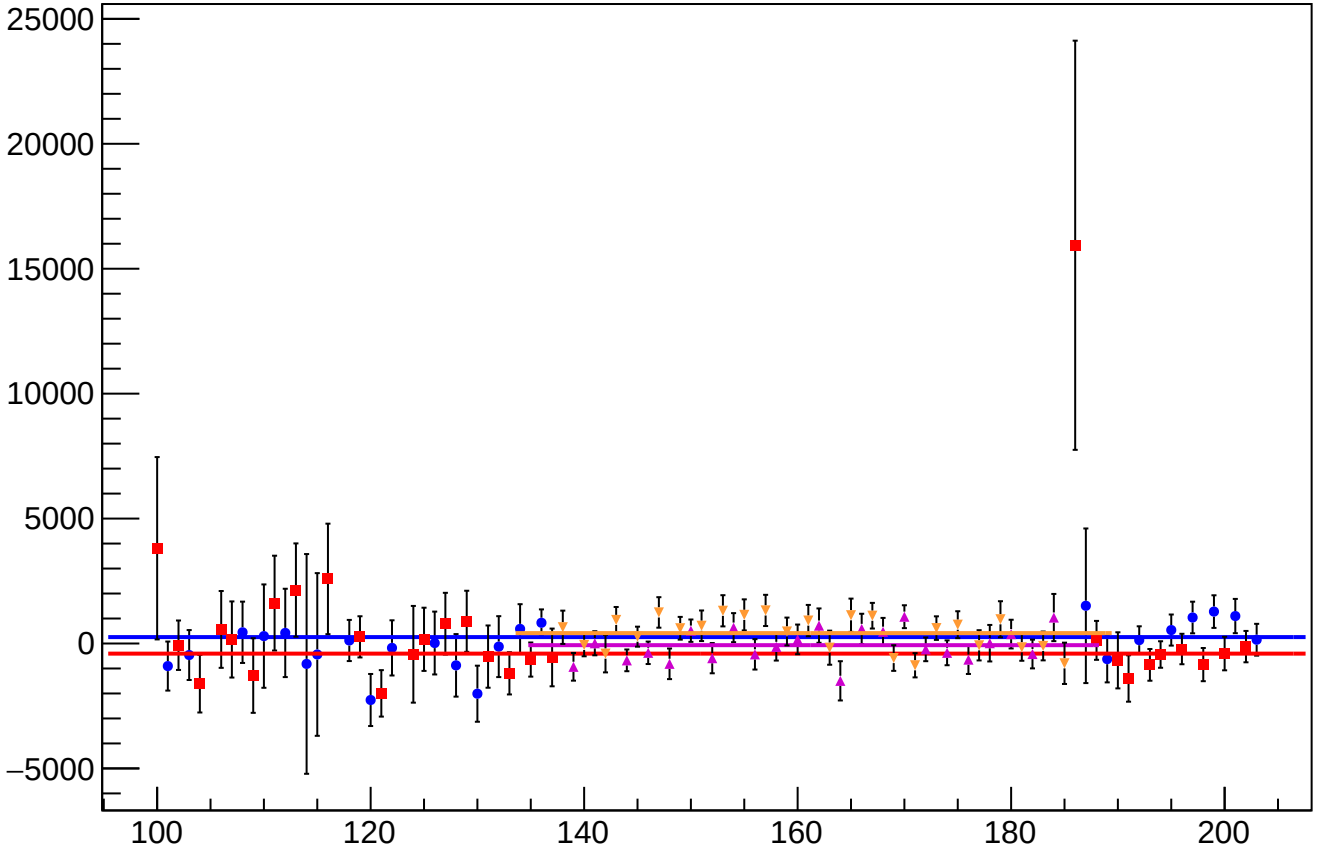
Right: 91.953+/-0.013 χ^2/NDF: 2281477.4/52

In: 88.442+/-0.011 χ^2/NDF:1574585.4/46

Out: 89.612+/-0.011 χ^2/NDF:2005407.8/53

All: 89.040+/-0.008 χ^2/NDF: 3585457.0/100

asym_sam_26_48_dd_reg_correction_mean vs Slug, Sign Corrected



Right In: 256.450+/-181.350 χ^2/NDF: 21.2/23

Left Out: 416.424+/-112.336 χ^2/NDF:32.4/24

Right Out: -405.493+/-173.872 χ^2/NDF: 22.0/28

Left In: -66.675+/-115.419 χ^2/NDF:27.5/22

Left: 181.413+/-80.501 χ^2/NDF: 68.9/47

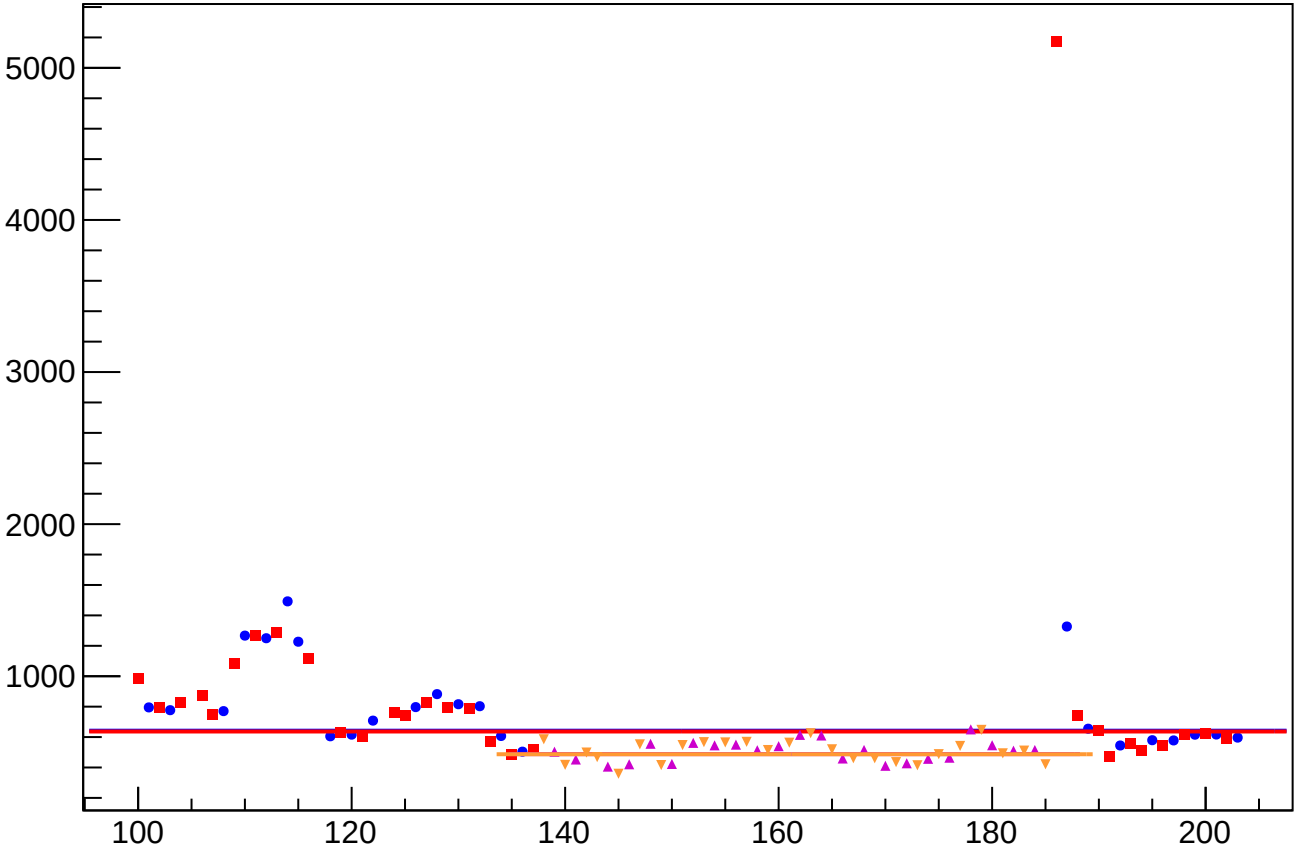
Right: -88.451+/-125.506 χ^2/NDF: 50.1/52

In: 26.477+/-97.371 χ^2/NDF:51.0/46

Out: 174.373+/-94.356 χ^2/NDF:70.2/53

All: 102.750+/-67.761 χ^2/NDF: 122.3/100

asym_sam_26_48_dd_reg_correction_rms vs Slug, Sign Corrected



Right In: 641.861+/-0.128 χ^2/NDF: 1217226.4/23

Left Out: 487.081+/-0.079 χ^2/NDF:821265.9/24

Right Out: 636.700+/-0.123 χ^2/NDF: 2106000.3/28

Left In: 487.930+/-0.082 χ^2/NDF:634269.5/22

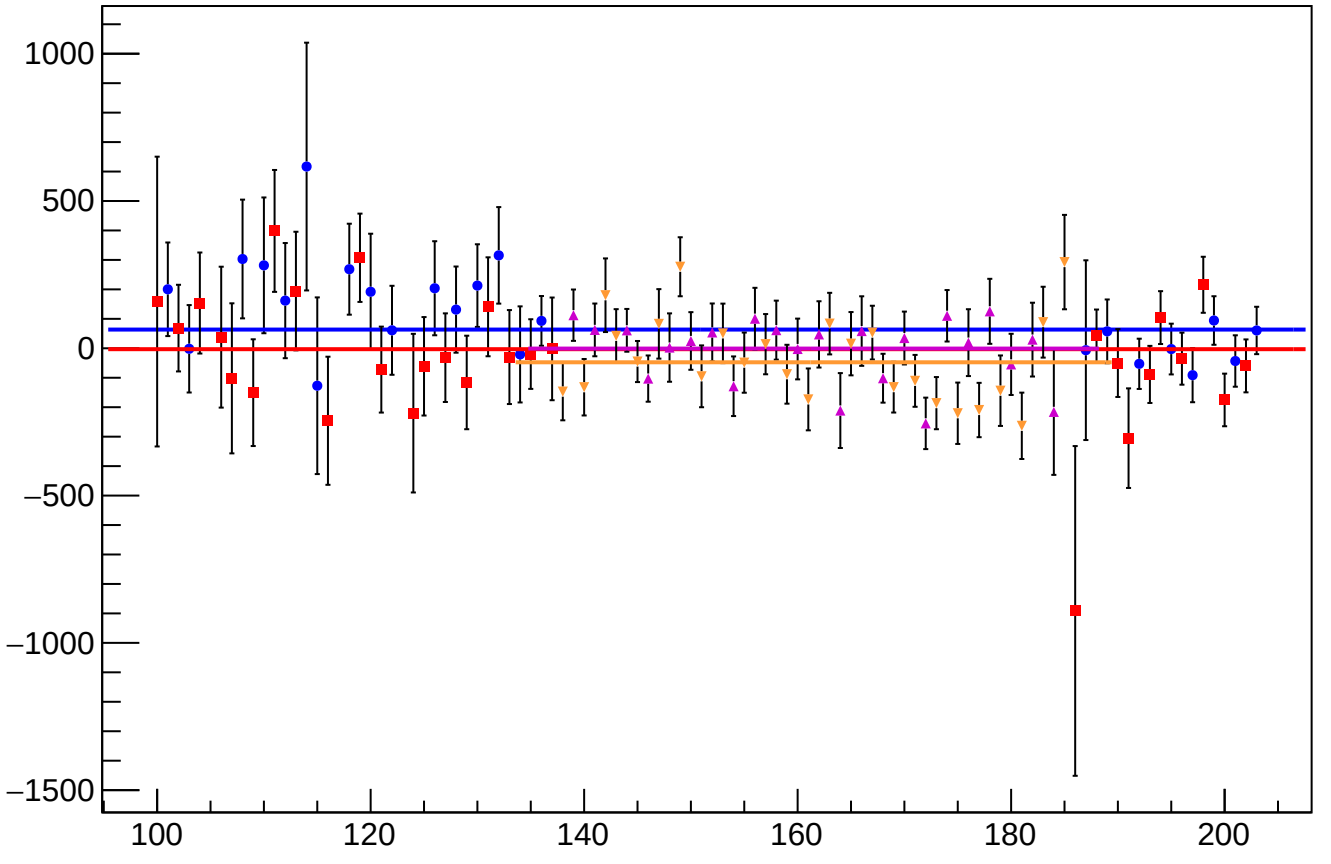
Left: 487.494+/-0.057 χ^2/NDF: 1455591.1/47

Right: 639.172+/-0.089 χ^2/NDF: 3324070.8/52

In: 532.306+/-0.069 χ^2/NDF:2877028.2/46

Out: 531.143+/-0.067 χ^2/NDF:3972092.5/53

All: 531.706+/-0.048 χ^2/NDF: 6849268.0/100



Right In: 63.563+/-25.361 χ^2/NDF: 19.7/23

Left Out: -47.532+/-19.983 χ^2/NDF:44.0/24

Right Out: -3.020+/-25.169 χ^2/NDF: 32.5/28

Left In: -0.988+/-20.604 χ^2/NDF:25.5/22

Left: -24.971+/-14.345 χ^2/NDF: 72.1/47

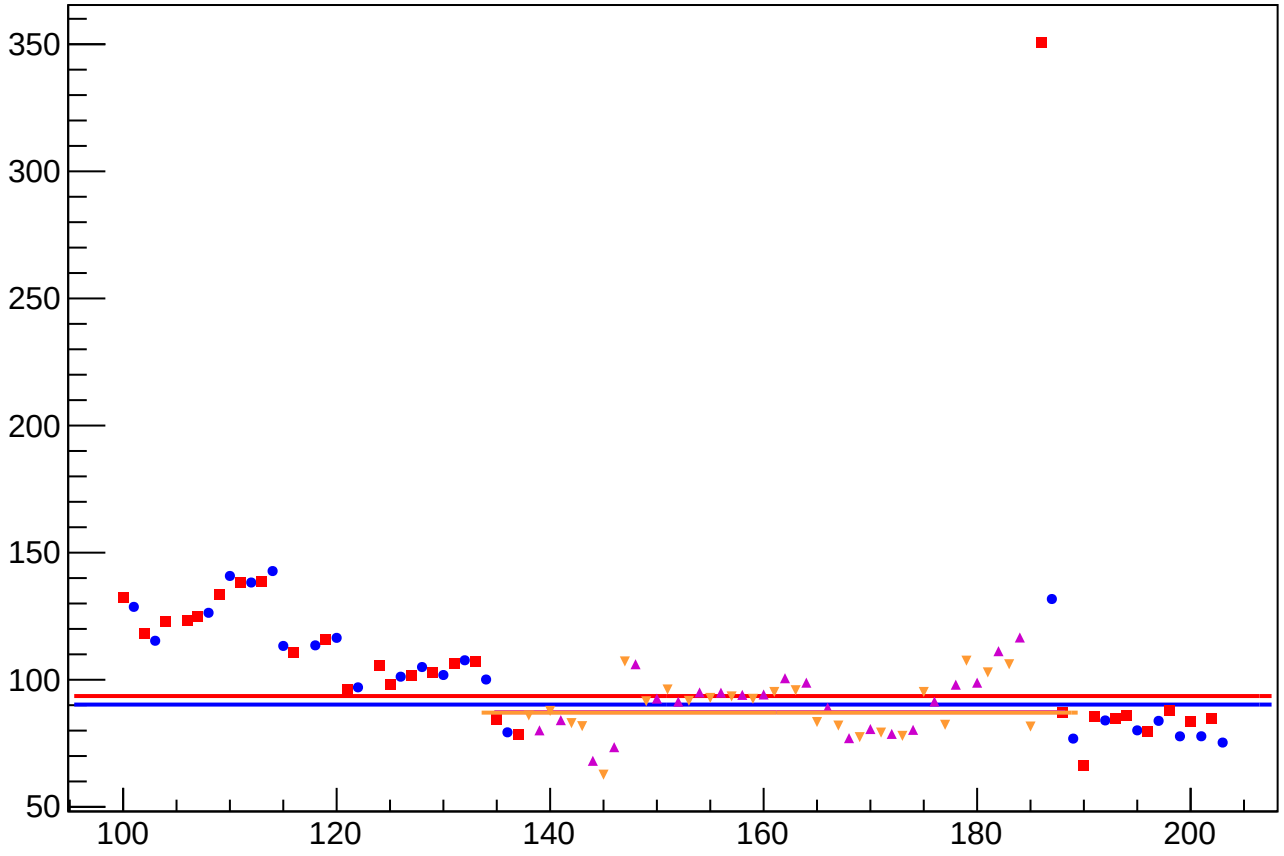
Right: 30.019+/-17.865 χ^2/NDF: 55.6/52

In: 24.678+/-15.991 χ^2/NDF:49.0/46

Out: -30.322+/-15.650 χ^2/NDF:78.4/53

All: -3.415+/-11.185 χ^2/NDF: 133.5/100

cor_asym_sam_26_48_dd_rms vs Slug, Sign Corrected



Right In: 90.239+/-0.018 χ^2/NDF: 962131.8/23

Left Out: 87.072+/-0.014 χ^2/NDF:620626.5/24

Right Out: 93.595+/-0.018 χ^2/NDF: 1293828.5/28

Left In: 87.257+/-0.015 χ^2/NDF:595793.1/22

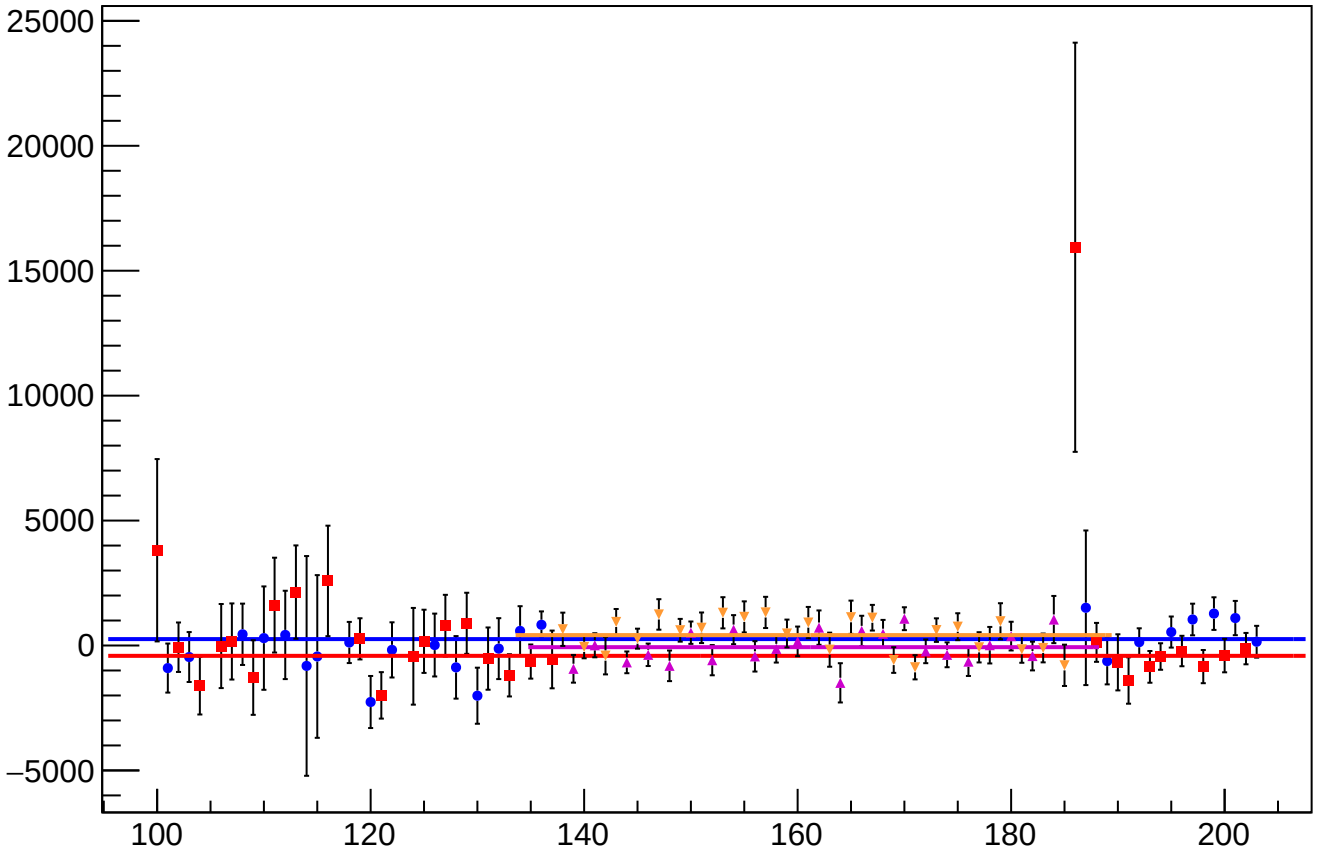
Left: 87.161+/-0.010 χ^2/NDF: 1216502.6/47

Right: 91.930+/-0.013 χ^2/NDF: 2273609.8/52

In: 88.442+/-0.011 χ^2/NDF:1574585.8/46

Out: 89.594+/-0.011 χ^2/NDF:1996868.2/53

All: 89.031+/-0.008 χ^2/NDF: 3576752.4/100



Right In: 256.450+/-181.350 χ^2/NDF: 21.2/23

Left Out: 416.416+/-112.336 χ^2/NDF:32.4/24

Right Out: -413.799+/-174.059 χ^2/NDF: 21.7/28

Left In: -66.674+/-115.419 χ^2/NDF:27.5/22

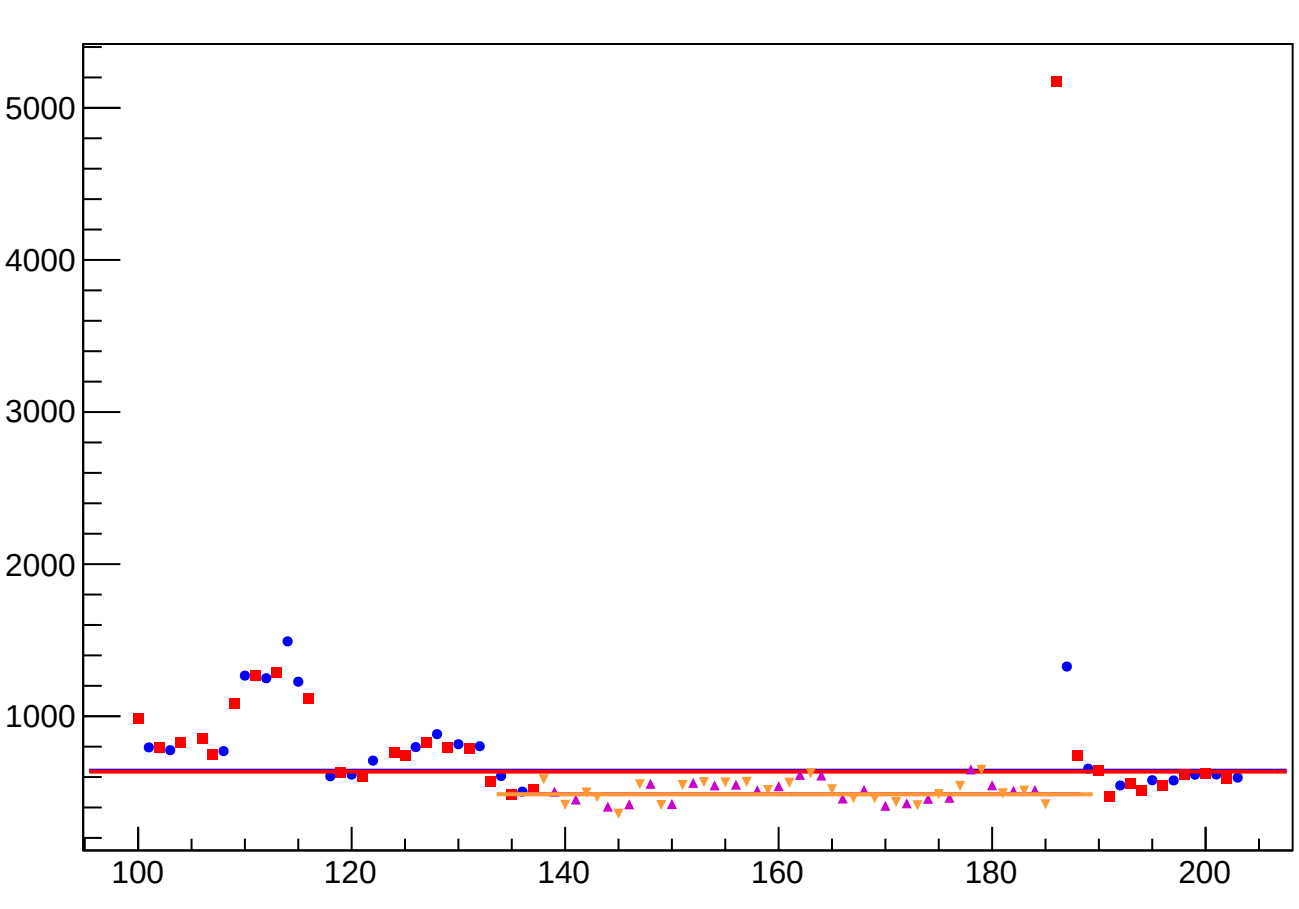
Left: 181.409+/-80.501 χ^2/NDF: 68.9/47

Right: -92.418+/-125.577 χ^2/NDF: 50.0/52

In: 26.478+/-97.371 χ^2/NDF:51.0/46

Out: 172.293+/-94.386 χ^2/NDF:70.1/53

All: 101.655+/-67.772 χ^2/NDF: 122.3/100



Right In: 641.861+/-0.128 χ^2/NDF: 1217238.5/23

Left Out: 487.081+/-0.079 χ^2/NDF:821261.6/24

Right Out: 635.986+/-0.123 χ^2/NDF: 2091784.7/28

Left In: 487.930+/-0.082 χ^2/NDF:634273.3/22

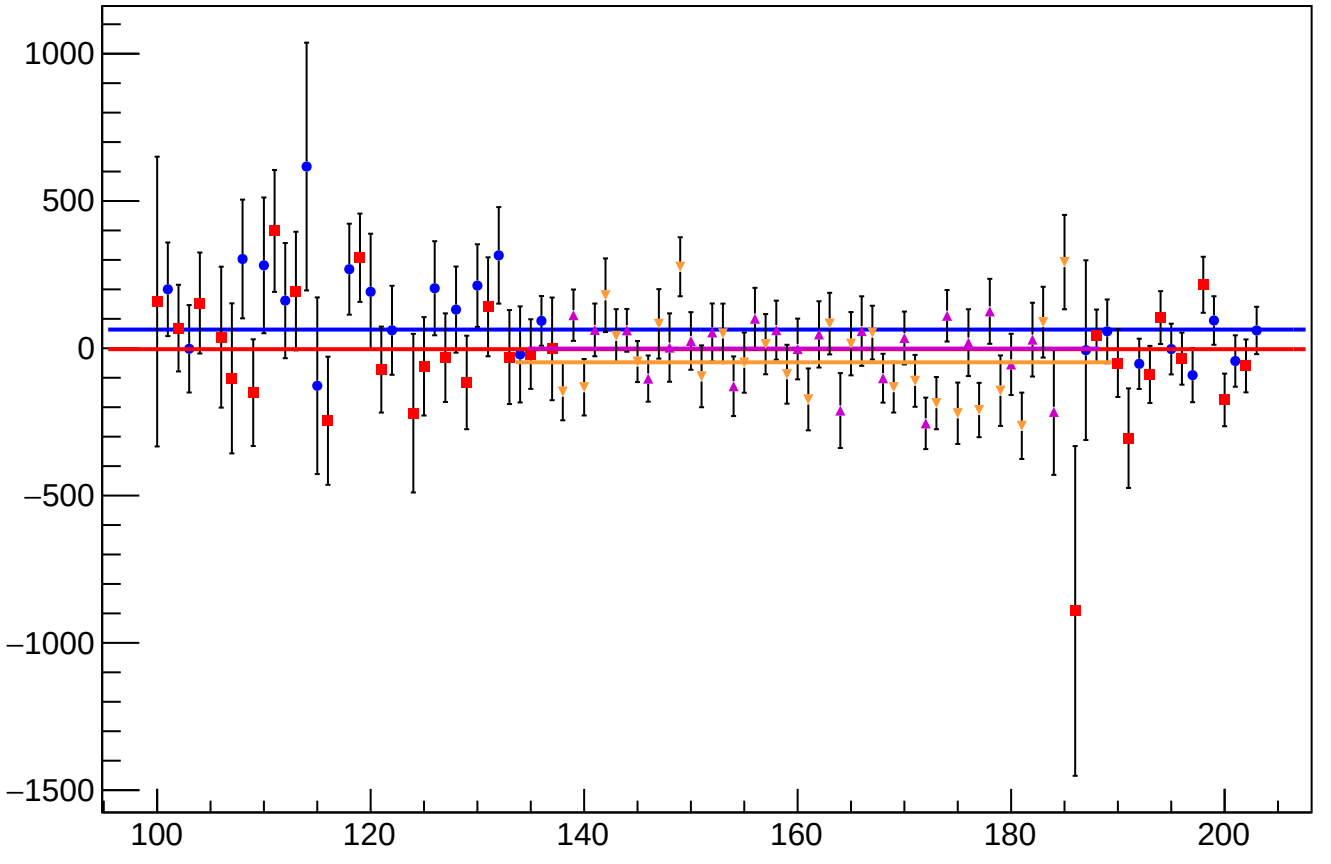
Left: 487.494+/-0.057 χ^2/NDF: 1455590.6/47

Right: 638.803+/-0.089 χ^2/NDF: 3310115.6/52

In: 532.306+/-0.069 χ^2/NDF:2877044.2/46

Out: 530.866+/-0.067 χ^2/NDF:3946357.9/53

All: 531.564+/-0.048 χ^2/NDF: 6823627.7/100



Right In: 63.563+/-25.361 χ^2/NDF: 19.7/23

Left Out: -47.532+/-19.983 χ^2/NDF:44.0/24

Right Out: -3.020+/-25.169 χ^2/NDF: 32.5/28

Left In: -0.988+/-20.604 χ^2/NDF:25.5/22

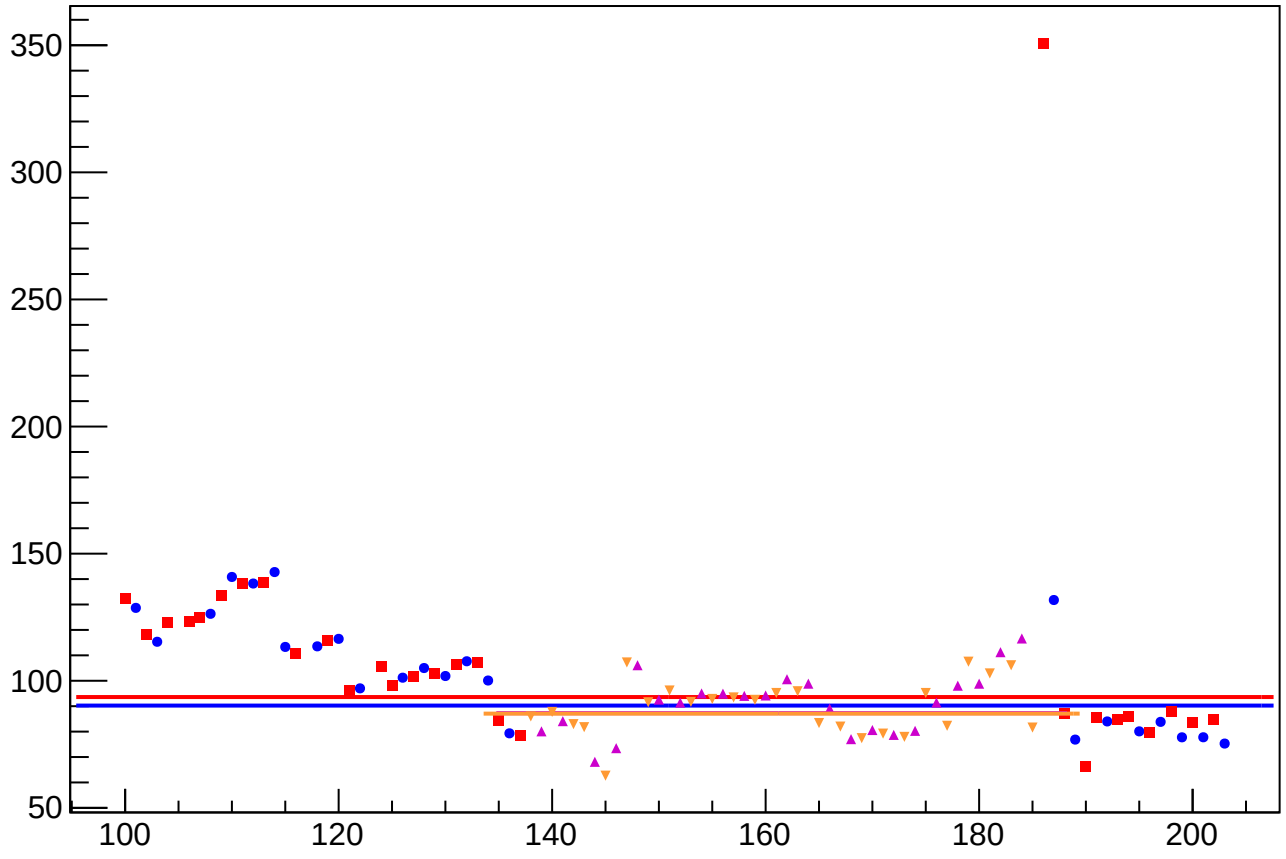
Left: -24.971+/-14.345 χ^2/NDF: 72.1/47

Right: 30.019+/-17.865 χ^2/NDF: 55.6/52

In: 24.678+/-15.991 χ^2/NDF:49.0/46

Out: -30.322+/-15.650 χ^2/NDF:78.4/53

All: -3.415+/-11.185 χ^2/NDF: 133.5/100



Right In: 90.239+/-0.018 χ^2/NDF: 962131.8/23

Left Out: 87.072+/-0.014 χ^2/NDF:620626.5/24

Right Out: 93.595+/-0.018 χ^2/NDF: 1293828.5/28

Left In: 87.257+/-0.015 χ^2/NDF:595793.1/22

Left: 87.161+/-0.010 χ^2/NDF: 1216502.6/47

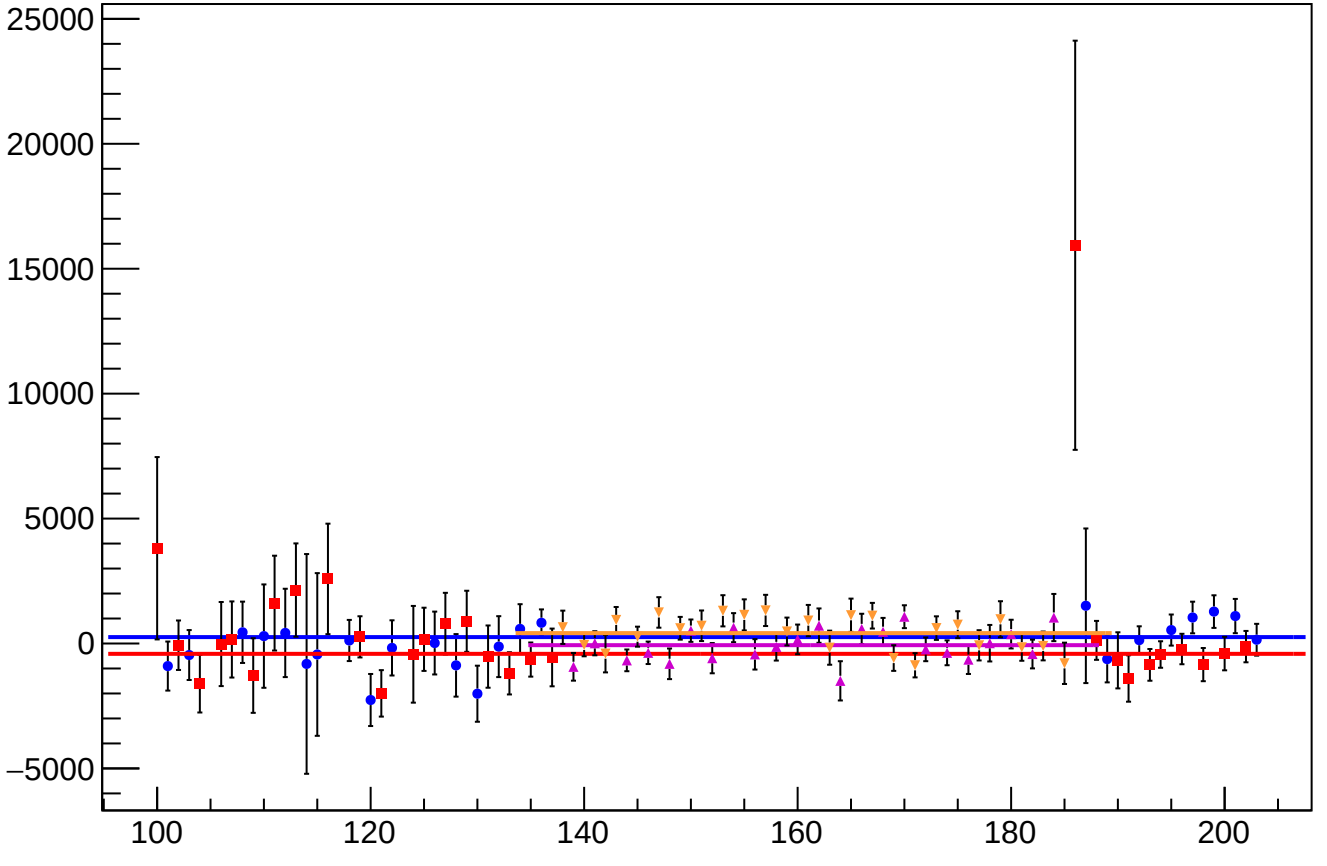
Right: 91.930+/-0.013 χ^2/NDF: 2273609.8/52

In: 88.442+/-0.011 χ^2/NDF:1574585.8/46

Out: 89.594+/-0.011 χ^2/NDF:1996868.2/53

All: 89.031+/-0.008 χ^2/NDF: 3576752.4/100

asym_sam_26_48_dd_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: 256.450+/-181.350 χ^2/NDF: 21.2/23

Left Out: 416.416+/-112.336 χ^2/NDF:32.4/24

Right Out: -413.799+/-174.059 χ^2/NDF: 21.7/28

Left In: -66.674+/-115.419 χ^2/NDF:27.5/22

Left: 181.409+/-80.501 χ^2/NDF: 68.9/47

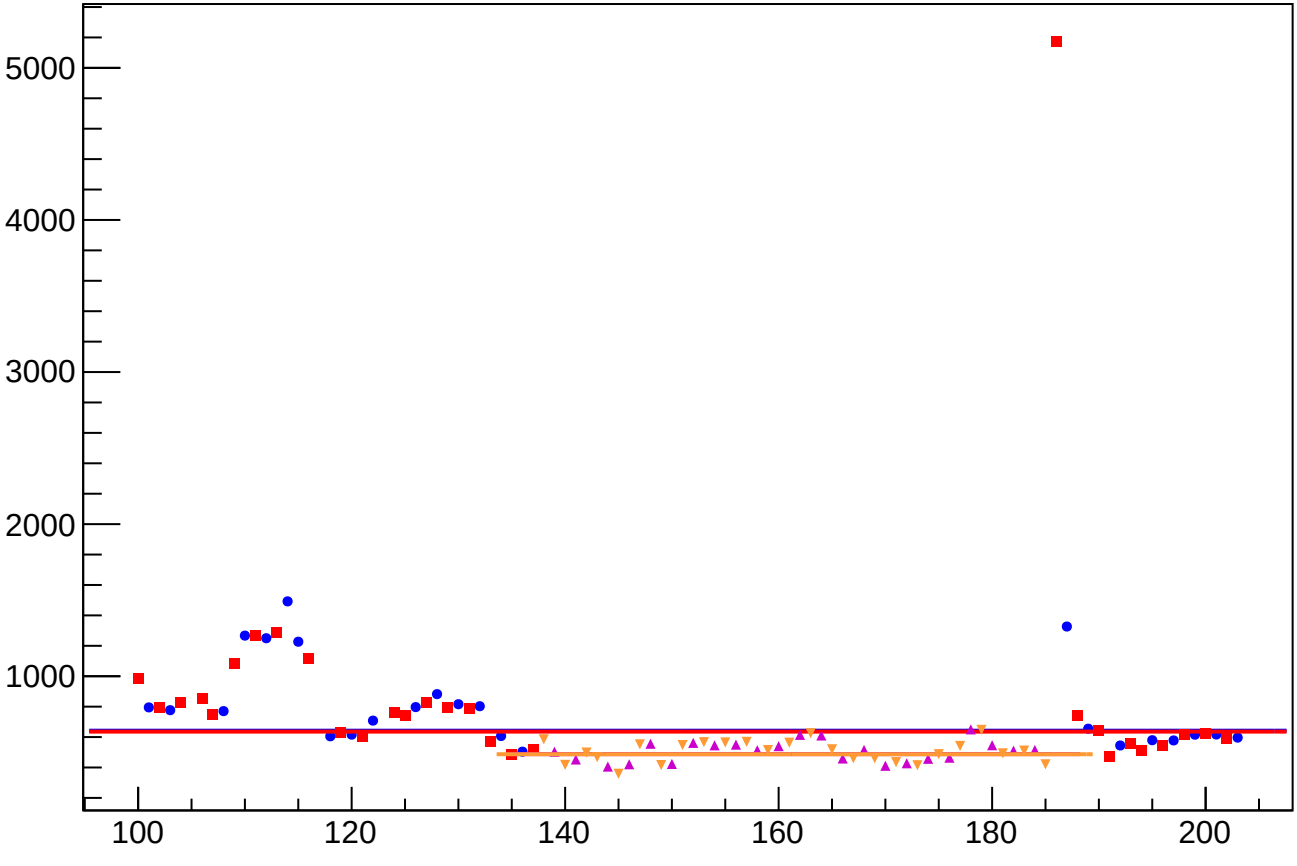
Right: -92.418+/-125.577 χ^2/NDF: 50.0/52

In: 26.478+/-97.371 χ^2/NDF:51.0/46

Out: 172.293+/-94.386 χ^2/NDF:70.1/53

All: 101.655+/-67.772 χ^2/NDF: 122.3/100

asym_sam_26_48_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 641.861+/-0.128 χ^2/NDF: 1217238.5/23

Left Out: 487.081+/-0.079 χ^2/NDF:821261.6/24

Right Out: 635.986+/-0.123 χ^2/NDF: 2091784.7/28

Left In: 487.930+/-0.082 χ^2/NDF:634273.3/22

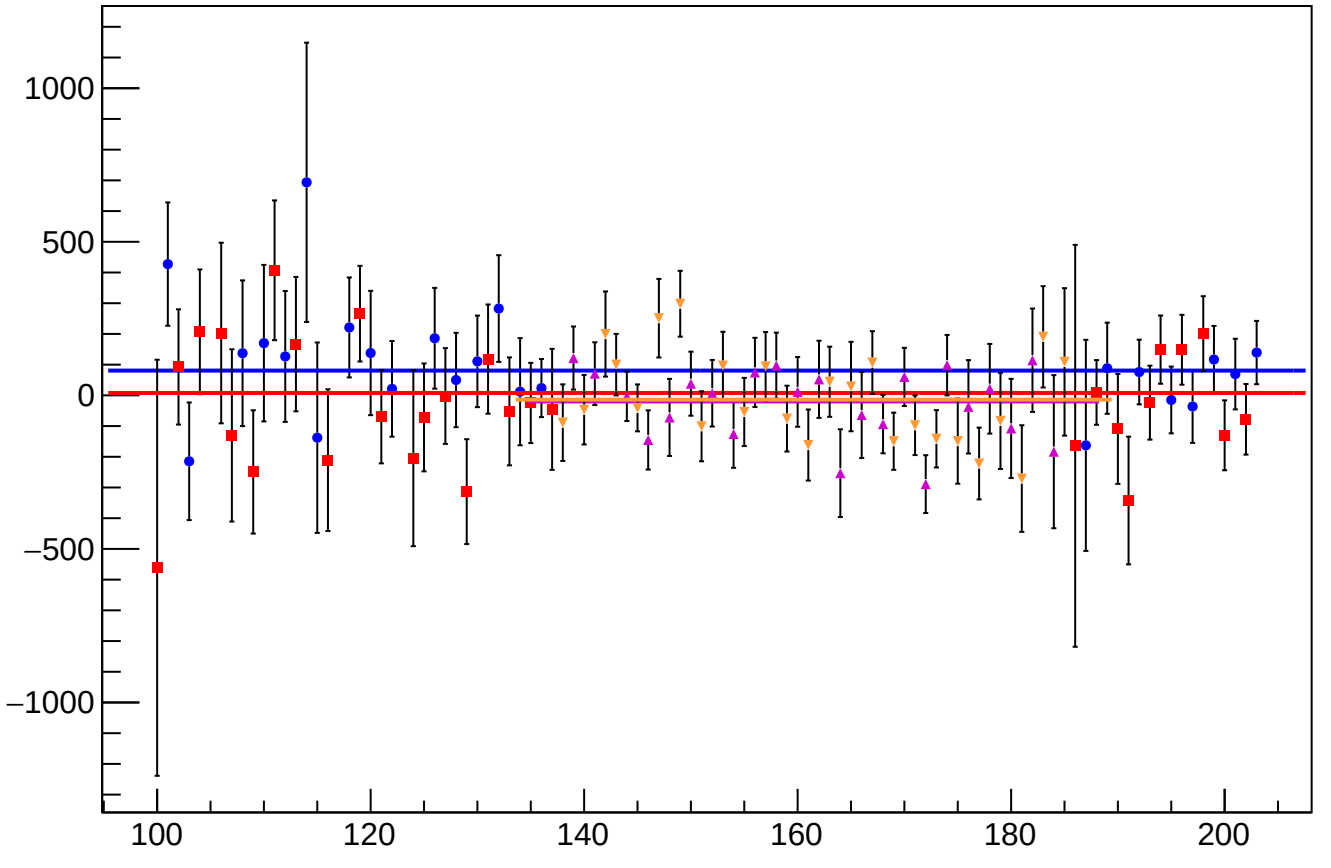
Left: 487.494+/-0.057 χ^2/NDF: 1455590.6/47

Right: 638.803+/-0.089 χ^2/NDF: 3310115.6/52

In: 532.306+/-0.069 χ^2/NDF:2877044.2/46

Out: 530.866+/-0.067 χ^2/NDF:3946357.9/53

All: 531.564+/-0.048 χ^2/NDF: 6823627.7/100



Right In: 80.660+/-30.408 χ^2/NDF: 13.9/23

Left Out: -13.904+/-22.916 χ^2/NDF:36.4/24

Right Out: 7.827+/-30.016 χ^2/NDF: 27.7/28

Left In: -19.805+/-23.571 χ^2/NDF:23.3/22

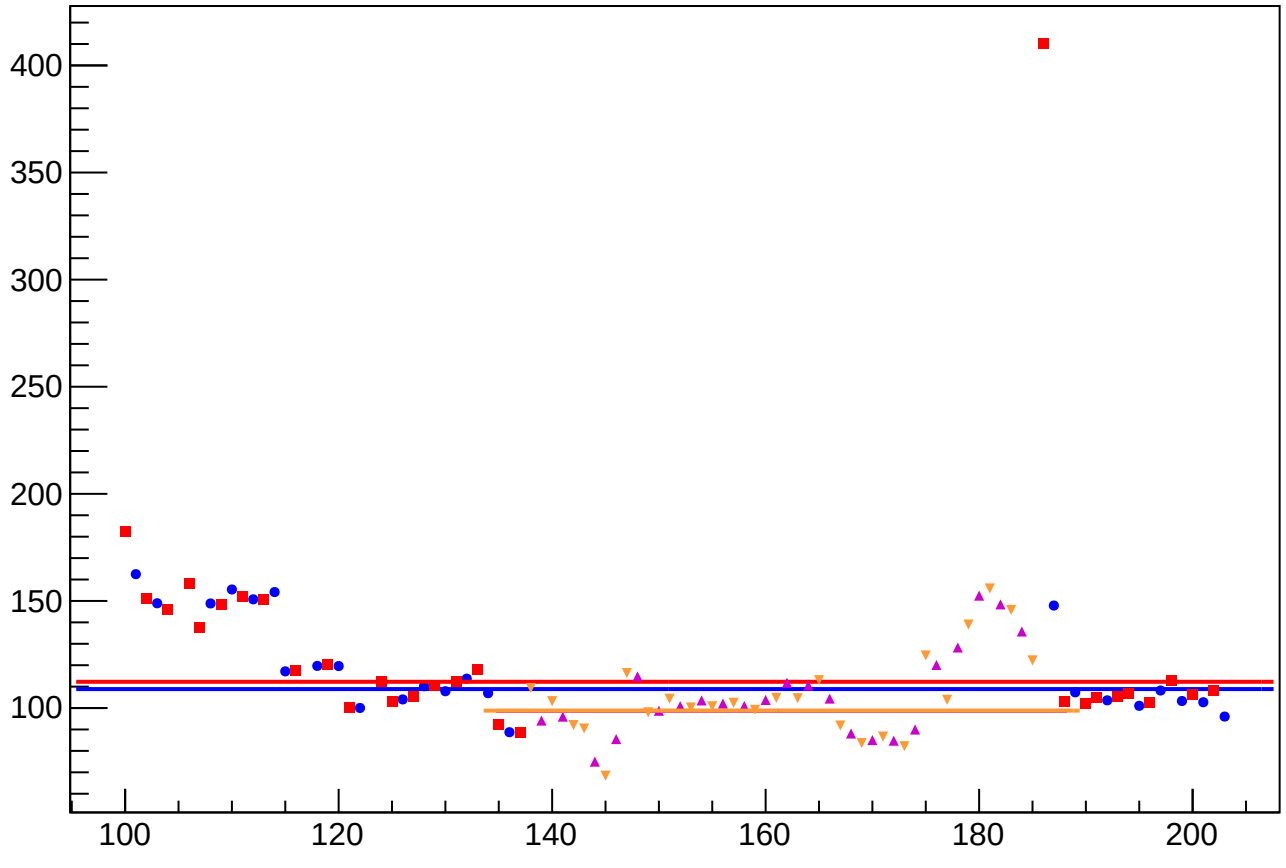
Left: -16.771+/-16.431 χ^2/NDF: 59.7/47

Right: 43.771+/-21.362 χ^2/NDF: 44.5/52

In: 17.904+/-18.630 χ^2/NDF:44.1/46

Out: -5.902+/-18.215 χ^2/NDF:64.4/53

All: 5.733+/-13.024 χ^2/NDF: 109.3/100



Right In: 108.861+/-0.022 χ^2/NDF: 650671.8/23

Left Out: 98.799+/-0.016 χ^2/NDF:1185806.0/24

Right Out: 112.263+/-0.021 χ^2/NDF: 994154.0/28

Left In: 98.673+/-0.017 χ^2/NDF:987817.0/22

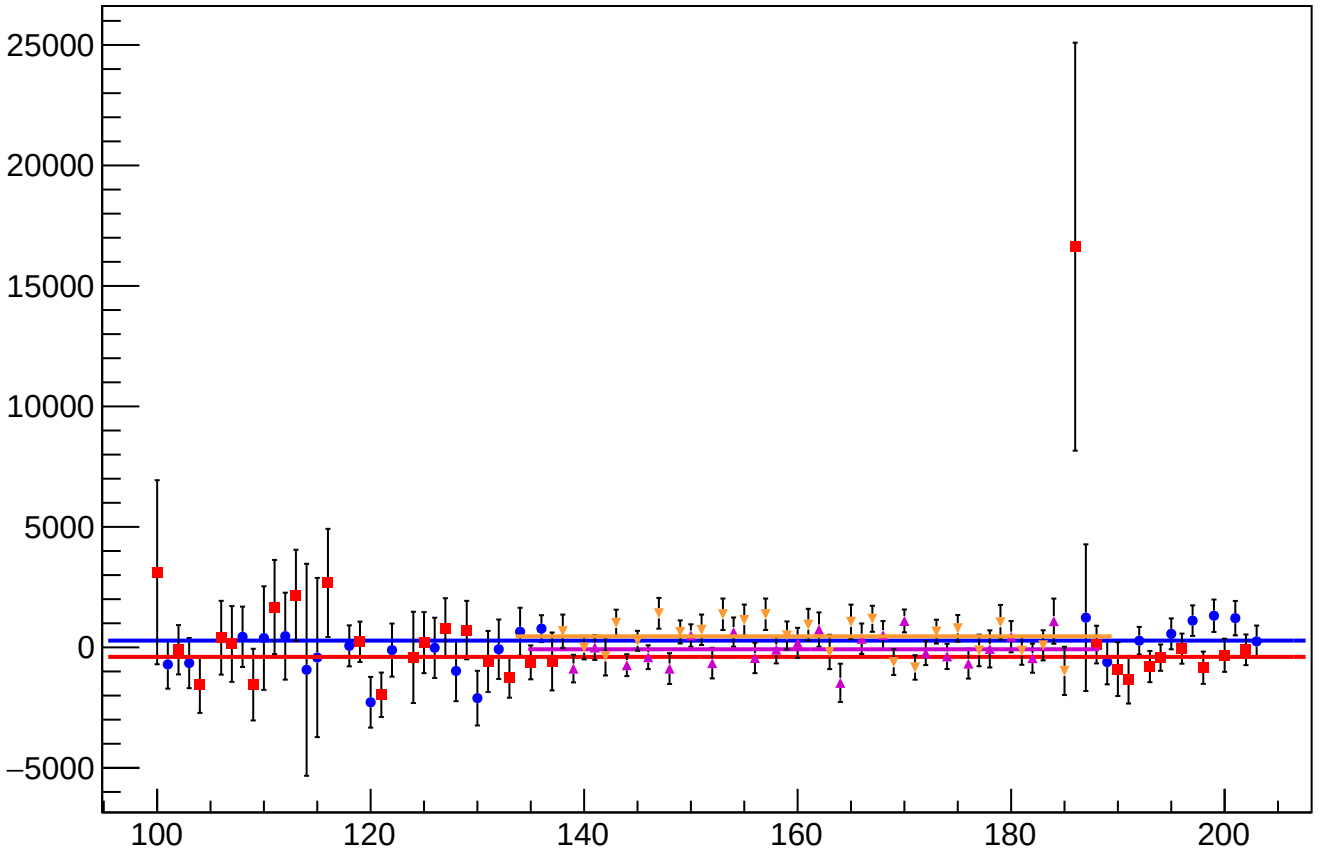
Left: 98.738+/-0.012 χ^2/NDF: 2173652.3/47

Right: 110.584+/-0.015 χ^2/NDF: 1657510.4/52

In: 102.497+/-0.013 χ^2/NDF:1778727.2/46

Out: 103.757+/-0.013 χ^2/NDF:2434219.7/53

All: 103.141+/-0.009 χ^2/NDF: 4217626.0/100



Right In: 280.699+/-185.679 χ^2/NDF: 21.5/23

Left Out: 459.094+/-118.111 χ^2/NDF:30.8/24

Right Out: -394.989+/-176.949 χ^2/NDF: 21.3/28

Left In: -78.791+/-121.436 χ^2/NDF:26.2/22

Left: 197.616+/-84.668 χ^2/NDF: 67.1/47

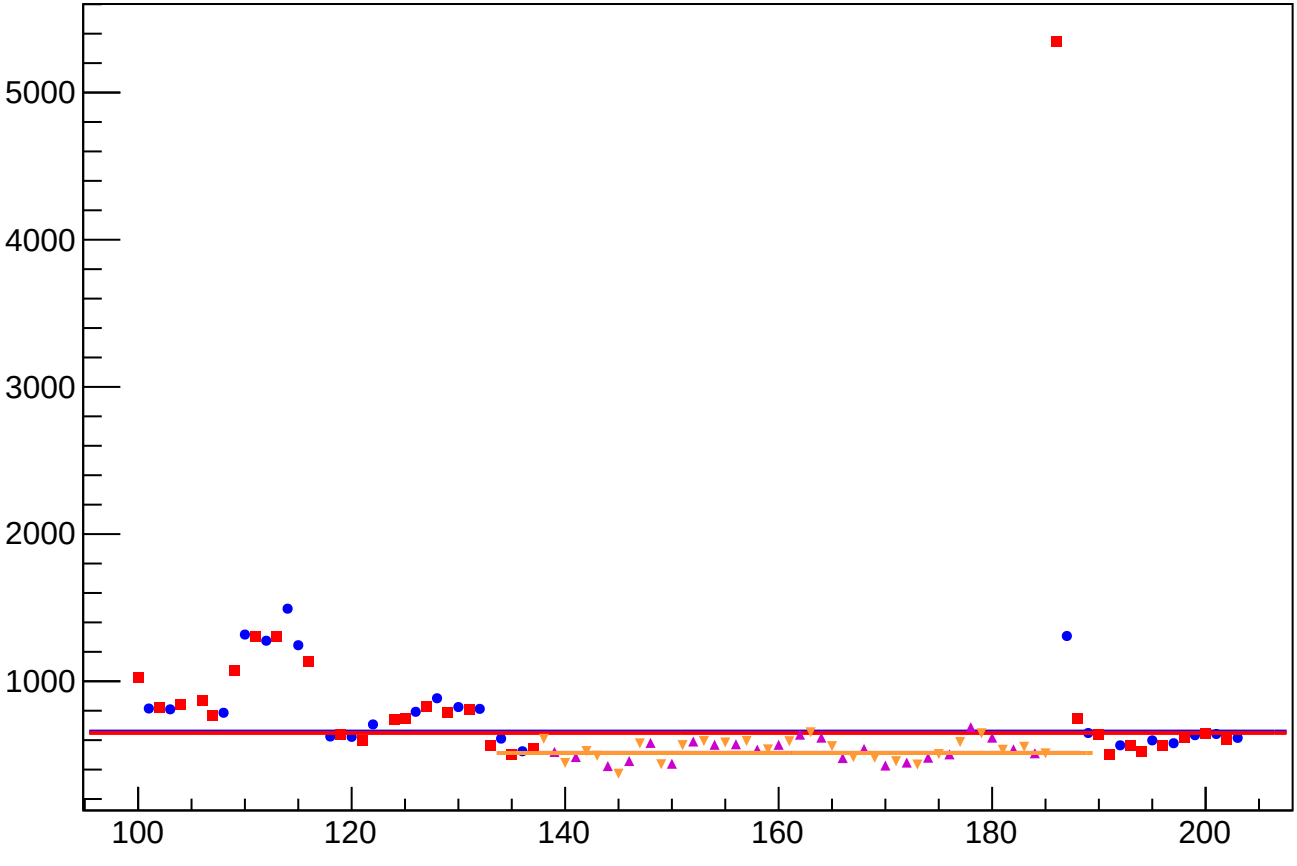
Right: -73.402+/-128.097 χ^2/NDF: 49.8/52

In: 28.908+/-101.631 χ^2/NDF:50.4/46

Out: 195.851+/-98.237 χ^2/NDF:68.2/53

All: 115.214+/-70.634 χ^2/NDF: 120.0/100

asym_sam_26_48_dd_dit_correction_rms vs Slug, Sign Corrected



Right In: 658.066+/-0.131 χ^2/NDF: 1165791.7/23

Left Out: 512.768+/-0.084 χ^2/NDF:799239.4/24

Right Out: 649.072+/-0.125 χ^2/NDF: 2039122.0/28

Left In: 513.375+/-0.086 χ^2/NDF:634000.2/22

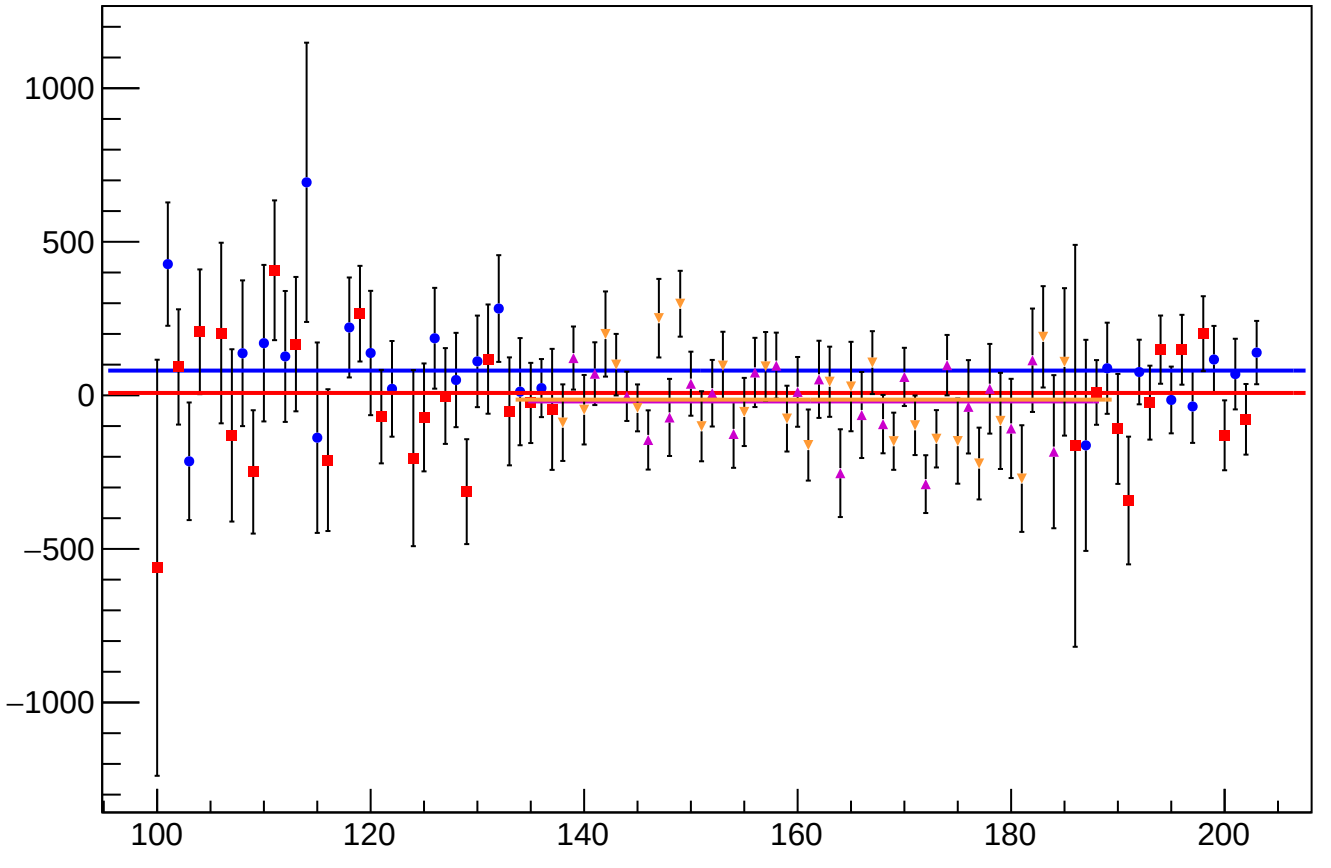
Left: 513.063+/-0.060 χ^2/NDF: 1433265.3/47

Right: 653.353+/-0.091 χ^2/NDF: 3207372.9/52

In: 556.723+/-0.072 χ^2/NDF:2650426.5/46

Out: 554.779+/-0.069 χ^2/NDF:3659311.6/53

All: 555.718+/-0.050 χ^2/NDF: 6310116.1/100



Right In: 80.660+/-30.408 χ^2/NDF: 13.9/23

Left Out: -13.906+/-22.916 χ^2/NDF:36.4/24

Right Out: 7.828+/-30.016 χ^2/NDF: 27.7/28

Left In: -19.805+/-23.571 χ^2/NDF:23.3/22

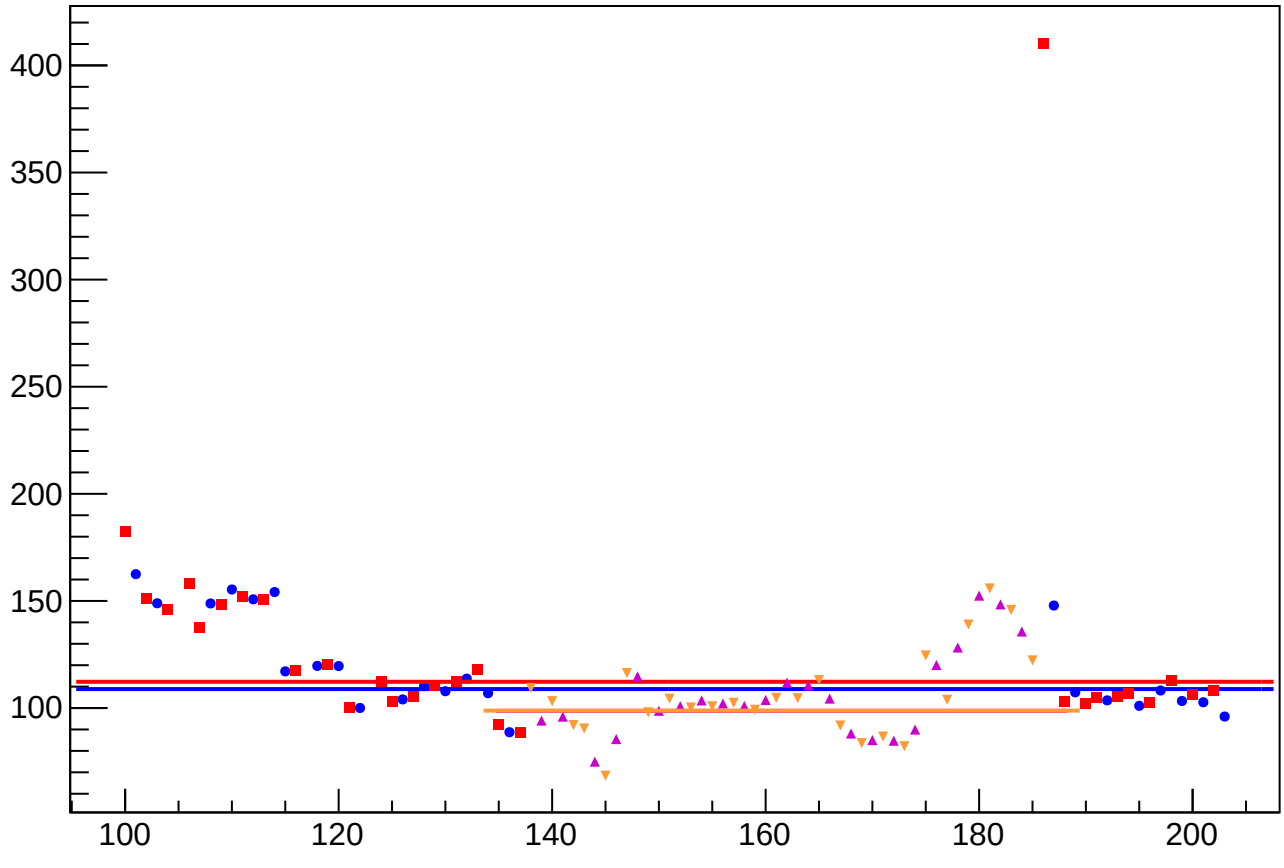
Left: -16.773+/-16.431 χ^2/NDF: 59.7/47

Right: 43.771+/-21.362 χ^2/NDF: 44.5/52

In: 17.903+/-18.630 χ^2/NDF:44.1/46

Out: -5.903+/-18.215 χ^2/NDF:64.4/53

All: 5.732+/-13.024 χ^2/NDF: 109.3/100



Right In: 108.861+/-0.022 χ^2/NDF: 650661.5/23

Left Out: 98.799+/-0.016 χ^2/NDF:1185809.9/24

Right Out: 112.264+/-0.021 χ^2/NDF: 994139.7/28

Left In: 98.673+/-0.017 χ^2/NDF:987808.4/22

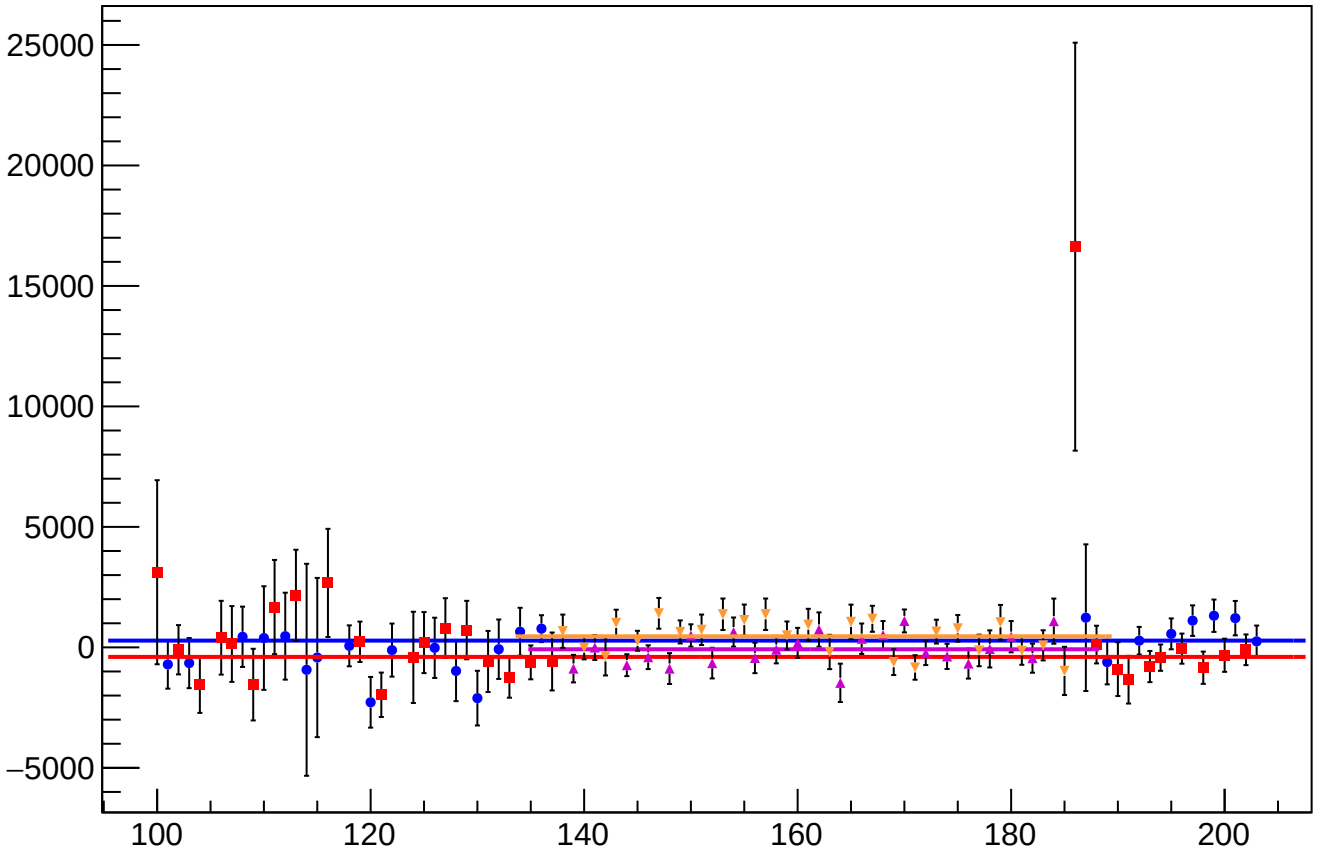
Left: 98.737+/-0.012 χ^2/NDF: 2173647.6/47

Right: 110.584+/-0.015 χ^2/NDF: 1657485.9/52

In: 102.497+/-0.013 χ^2/NDF:1778710.9/46

Out: 103.757+/-0.013 χ^2/NDF:2434214.6/53

All: 103.141+/-0.009 χ^2/NDF: 4217604.4/100



Right In: 280.699+/-185.679 χ^2/NDF: 21.5/23

Left Out: 459.092+/-118.111 χ^2/NDF:30.8/24

Right Out: -394.988+/-176.949 χ^2/NDF: 21.3/28

Left In: -78.791+/-121.436 χ^2/NDF:26.2/22

Left: 197.616+/-84.668 χ^2/NDF: 67.1/47

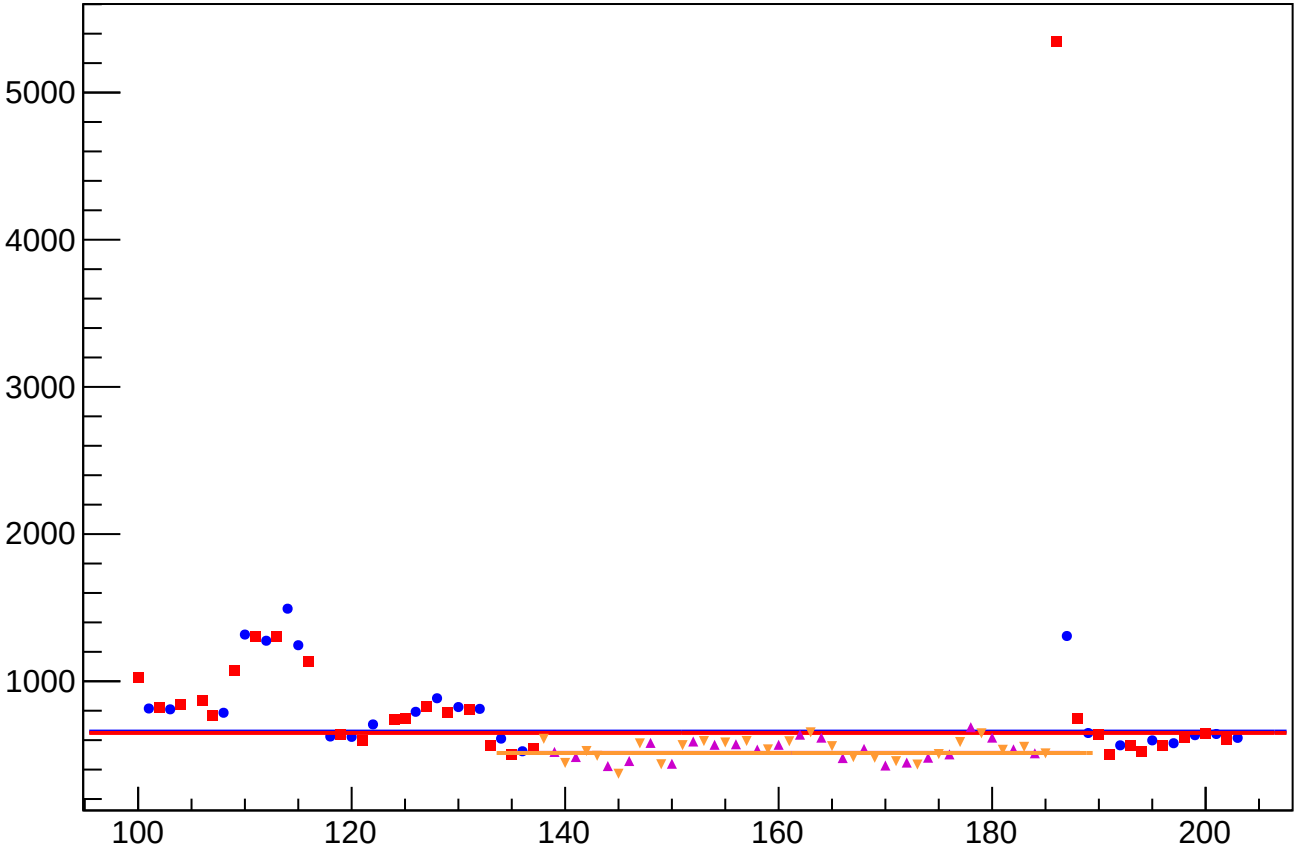
Right: -73.402+/-128.097 χ^2/NDF: 49.8/52

In: 28.908+/-101.631 χ^2/NDF:50.4/46

Out: 195.850+/-98.237 χ^2/NDF:68.2/53

All: 115.213+/-70.633 χ^2/NDF: 120.0/100

asym_sam_26_48_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 658.065+/-0.131 χ^2/NDF: 1165790.6/23

Left Out: 512.768+/-0.084 χ^2/NDF:799239.0/24

Right Out: 649.071+/-0.125 χ^2/NDF: 2039119.2/28

Left In: 513.374+/-0.086 χ^2/NDF:633997.9/22

Left: 513.063+/-0.060 χ^2/NDF: 1433262.5/47

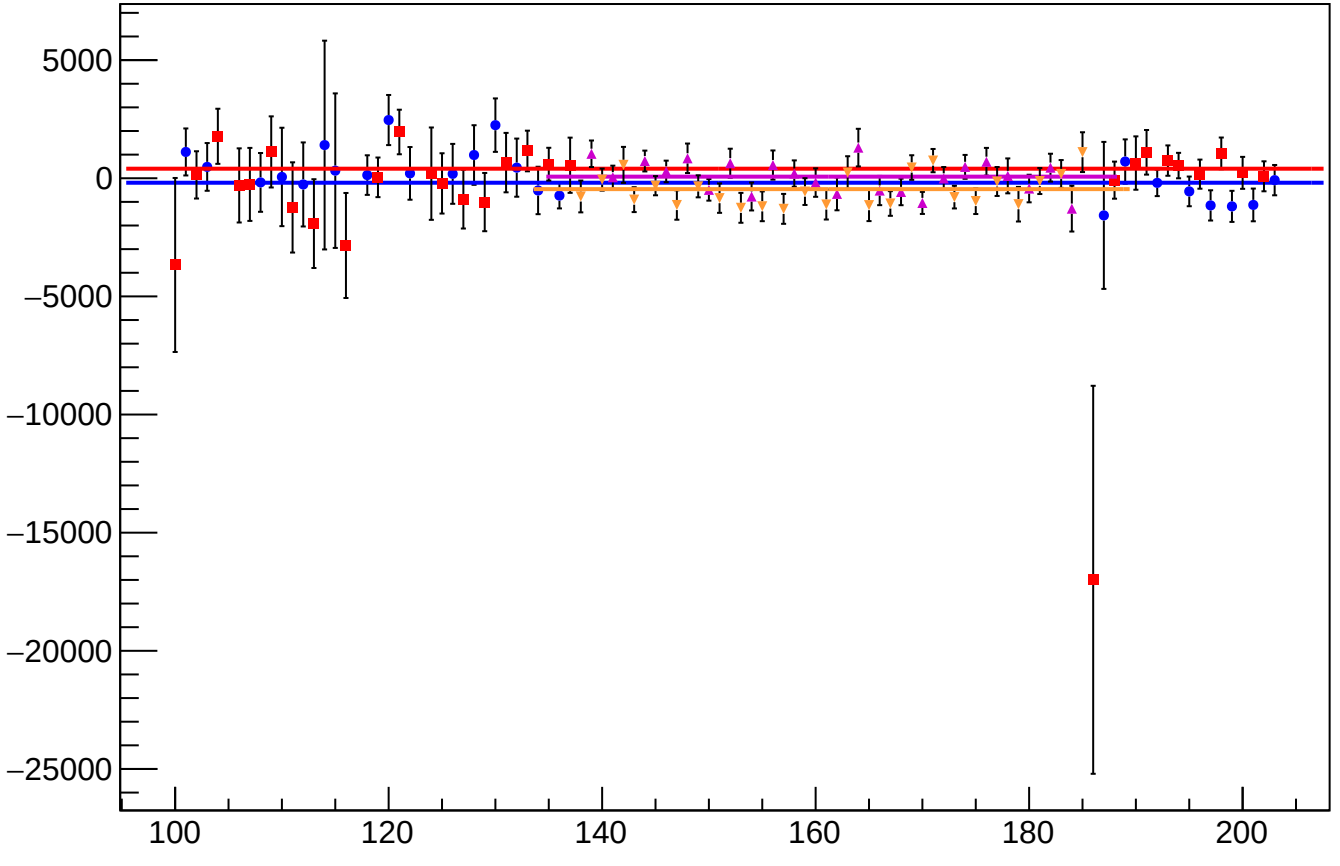
Right: 653.351+/-0.091 χ^2/NDF: 3207369.3/52

In: 556.722+/-0.072 χ^2/NDF:2650414.4/46

Out: 554.779+/-0.069 χ^2/NDF:3659298.3/53

All: 555.718+/-0.050 χ^2/NDF: 6310090.7/100

asym_sam_26_48_dd_mean vs Slug, Sign Corrected



Right In: -189.567+/-183.335 χ^2/NDF: 23.7/23

Left Out: -459.862+/-114.233 χ^2/NDF:30.8/24

Right Out: 404.397+/-175.940 χ^2/NDF: 21.3/28

Left In: 68.043+/-117.366 χ^2/NDF:28.6/22

Left: -203.051+/-81.860 χ^2/NDF: 69.8/47

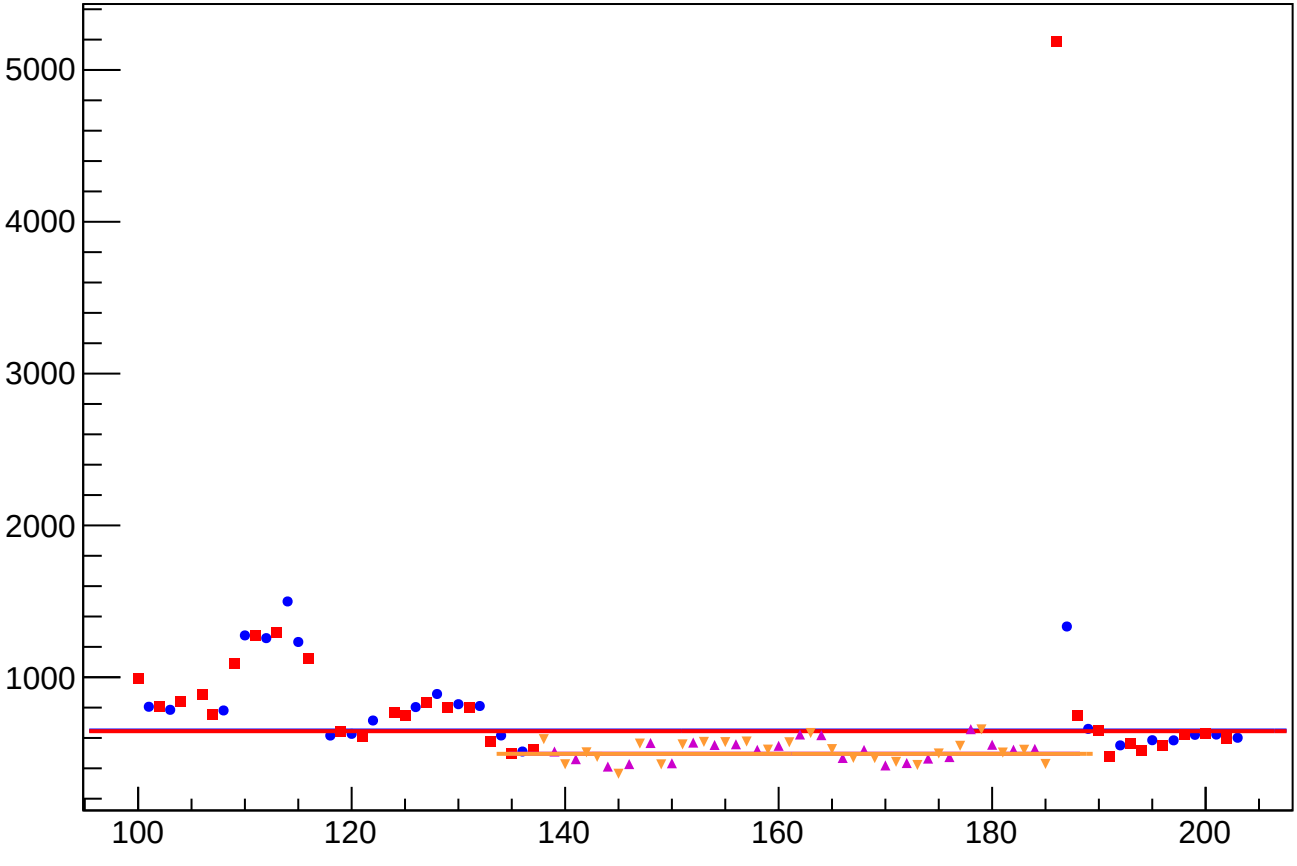
Right: 119.635+/-126.942 χ^2/NDF: 50.5/52

In: -6.842+/-98.846 χ^2/NDF:53.7/46

Out: -203.572+/-95.810 χ^2/NDF:69.1/53

All: -108.275+/-68.796 χ^2/NDF: 124.9/100

asym_sam_26_48_dd_rms vs Slug, Sign Corrected



Right In: 649.083+/-0.130 χ^2/NDF: 1205310.8/23

Left Out: 495.514+/-0.081 χ^2/NDF:804659.4/24

Right Out: 644.597+/-0.124 χ^2/NDF: 2083117.7/28

Left In: 496.307+/-0.083 χ^2/NDF:622356.2/22

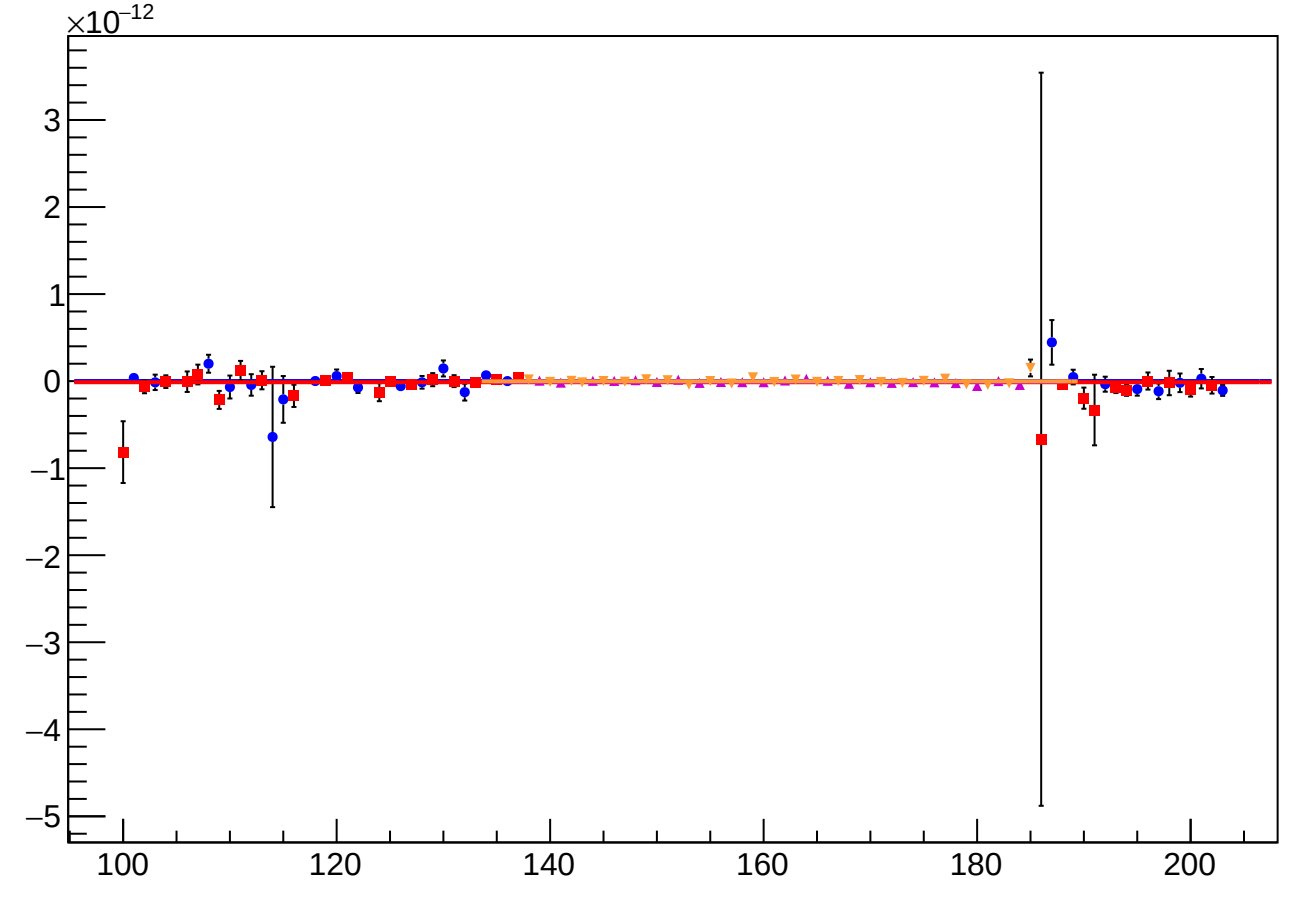
Left: 495.900+/-0.058 χ^2/NDF: 1427062.5/47

Right: 646.748+/-0.090 χ^2/NDF: 3289052.0/52

In: 540.718+/-0.070 χ^2/NDF:2812776.0/46

Out: 539.724+/-0.068 χ^2/NDF:3897943.8/53

All: 540.205+/-0.049 χ^2/NDF: 6710824.1/100



Right In: 0.000+/-0.000 χ^2/NDF: 27.3/23

Left Out: -0.000+/-0.000 χ^2/NDF:25.1/24

Right Out: -0.000+/-0.000 χ^2/NDF: 25.4/28

Left In: -0.000+/-0.000 χ^2/NDF:15.5/22

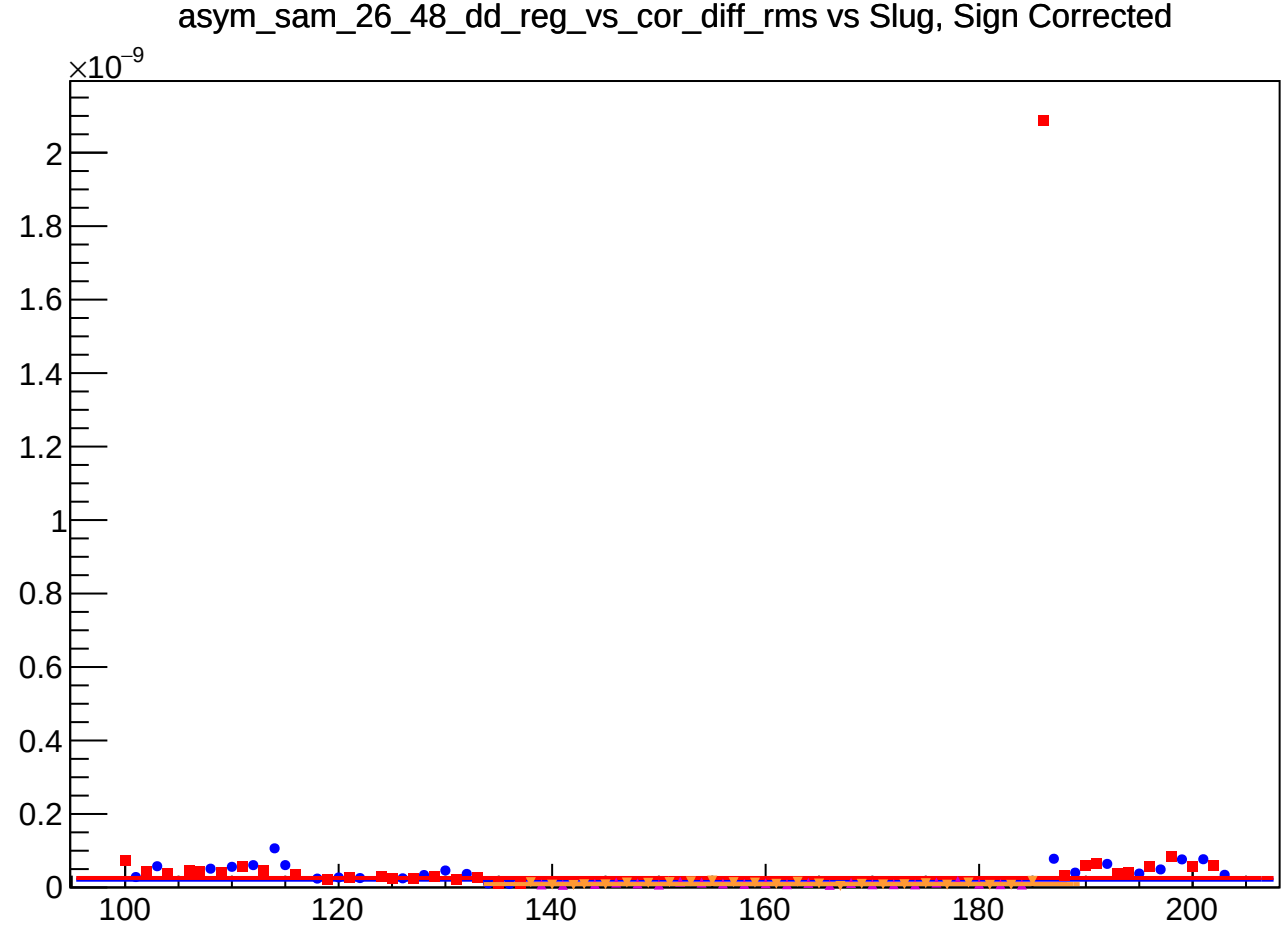
Left: -0.000+/-0.000 χ^2/NDF: 41.8/47

Right: -0.000+/-0.000 χ^2/NDF: 53.4/52

In: -0.000+/-0.000 χ^2/NDF:43.5/46

Out: -0.000+/-0.000 χ^2/NDF:51.2/53

All: -0.000+/-0.000 χ^2/NDF: 95.2/100



Right In: 0.000+/-0.000 χ^2/NDF: 4701558.7/23

Left Out: 0.000+/-0.000 χ^2/NDF:1832944.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 3841487.4/28

Left In: 0.000+/-0.000 χ^2/NDF:622904.8/22

Left: 0.000+/-0.000 χ^2/NDF: 2476959.3/47

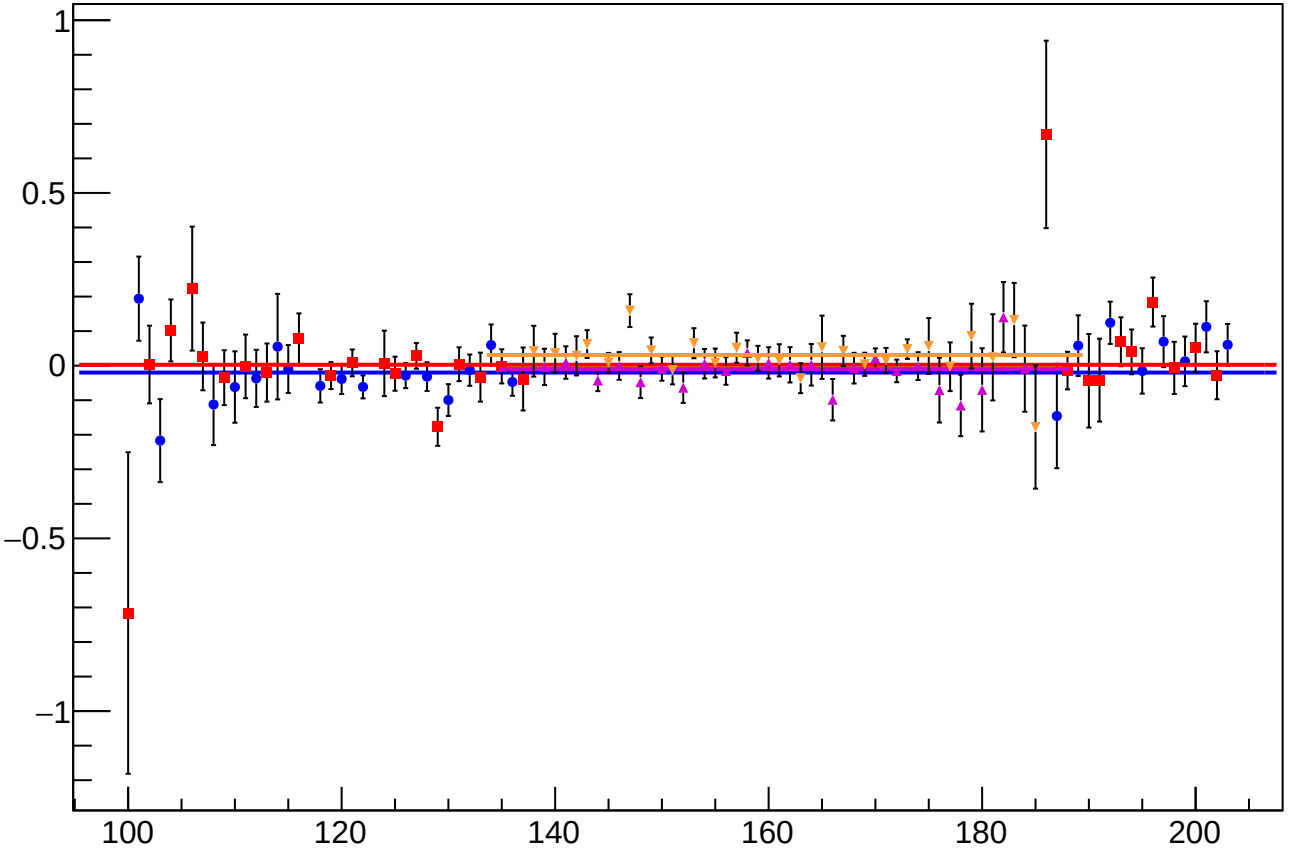
Right: 0.000+/-0.000 χ^2/NDF: 8712987.6/52

In: 0.000+/-0.000 χ^2/NDF:7271562.1/46

Out: 0.000+/-0.000 χ^2/NDF:9129331.1/53

All: 0.000+/-0.000 χ^2/NDF: 16417895.8/100

asym_sam_26_48_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.020+/-0.012 χ^2/NDF: 28.3/23

Left Out: 0.031+/-0.009 χ^2/NDF:17.8/24

Right Out: 0.003+/-0.012 χ^2/NDF: 33.8/28

Left In: -0.010+/-0.009 χ^2/NDF:13.2/22

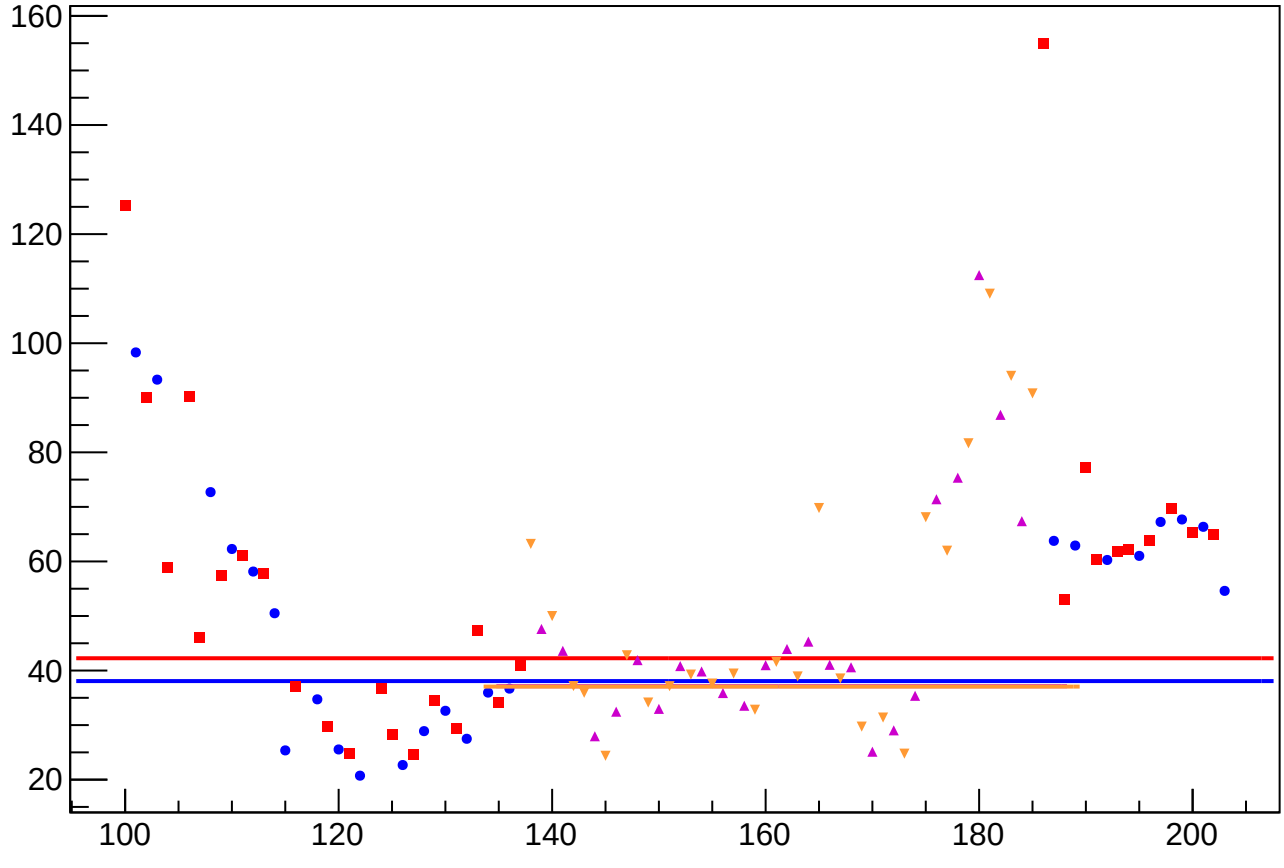
Left: 0.011+/-0.007 χ^2/NDF: 40.7/47

Right: -0.009+/-0.008 χ^2/NDF: 63.9/52

In: -0.014+/-0.007 χ^2/NDF:42.0/46

Out: 0.021+/-0.007 χ^2/NDF:55.1/53

All: 0.004+/-0.005 χ^2/NDF: 108.2/100



Right In: 38.069+/-0.008 χ^2/NDF: 4534360.8/23

Left Out: 37.057+/-0.006 χ^2/NDF:4053719.8/24

Right Out: 42.254+/-0.009 χ^2/NDF: 4169335.5/28

Left In: 37.127+/-0.007 χ^2/NDF:3012795.5/22

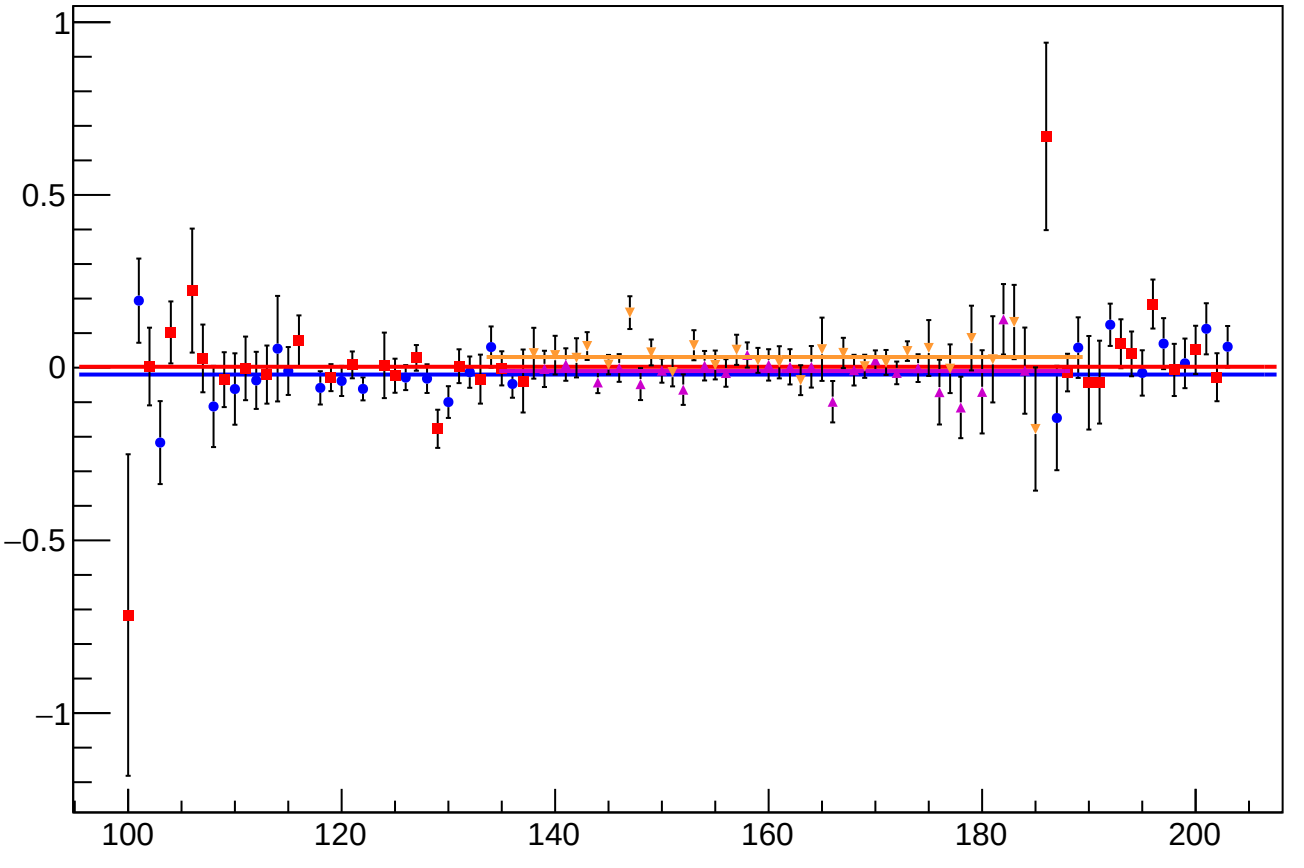
Left: 37.091+/-0.005 χ^2/NDF: 7066571.4/47

Right: 40.072+/-0.006 χ^2/NDF: 8825774.1/52

In: 37.494+/-0.005 χ^2/NDF:7555039.1/46

Out: 38.915+/-0.005 χ^2/NDF:8454919.8/53

All: 38.205+/-0.004 χ^2/NDF: 16047660.0/100



Right In: -0.020+/-0.012 χ^2/NDF: 28.3/23

Left Out: 0.031+/-0.009 χ^2/NDF:17.8/24

Right Out: 0.003+/-0.012 χ^2/NDF: 33.8/28

Left In: -0.010+/-0.009 χ^2/NDF:13.2/22

Left: 0.011+/-0.007 χ^2/NDF: 40.7/47

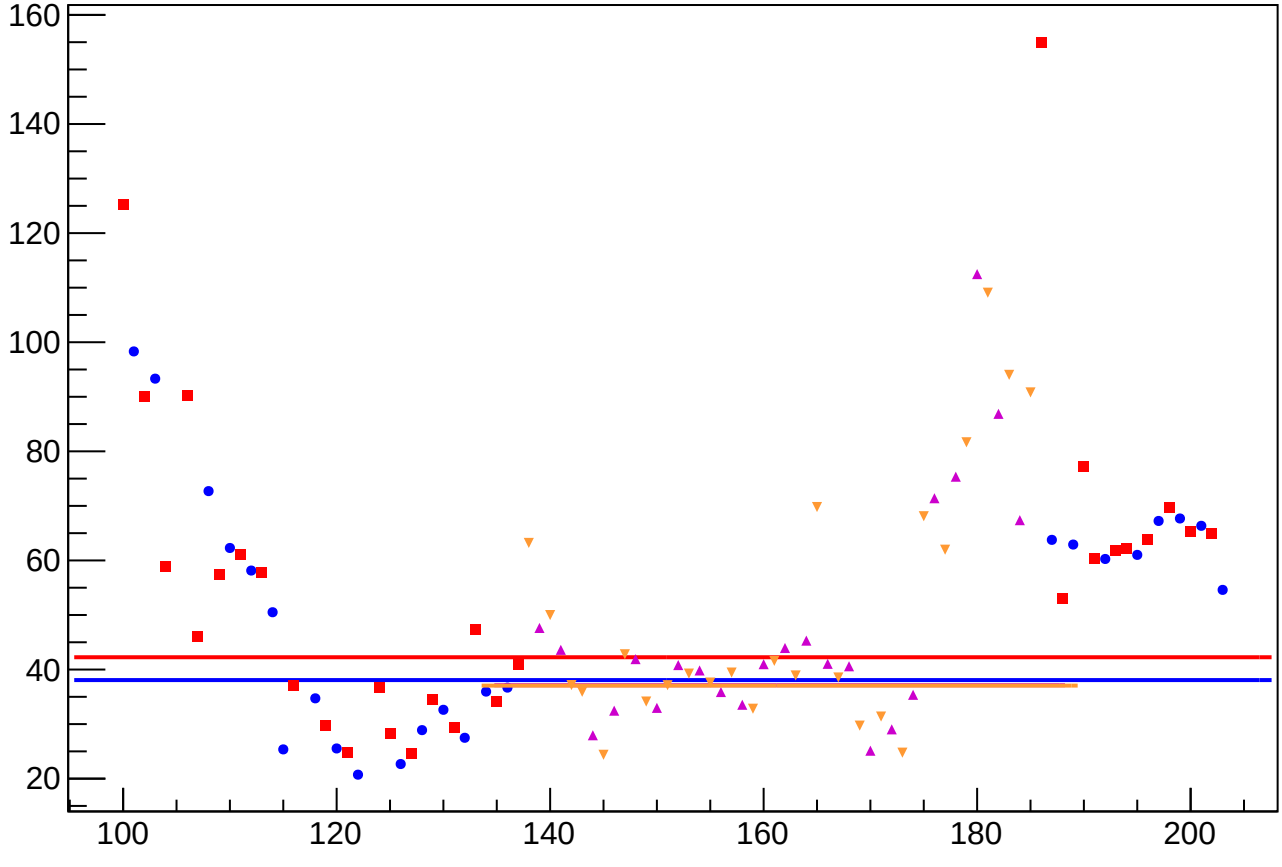
Right: -0.009+/-0.008 χ^2/NDF: 63.9/52

In: -0.014+/-0.007 χ^2/NDF:42.0/46

Out: 0.021+/-0.007 χ^2/NDF:55.1/53

All: 0.004+/-0.005 χ^2/NDF: 108.2/100

asym_sam_26_48_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 38.069+/-0.008 χ^2/NDF: 4534360.8/23

Left Out: 37.057+/-0.006 χ^2/NDF:4053719.8/24

Right Out: 42.254+/-0.009 χ^2/NDF: 4169335.5/28

Left In: 37.127+/-0.007 χ^2/NDF:3012795.5/22

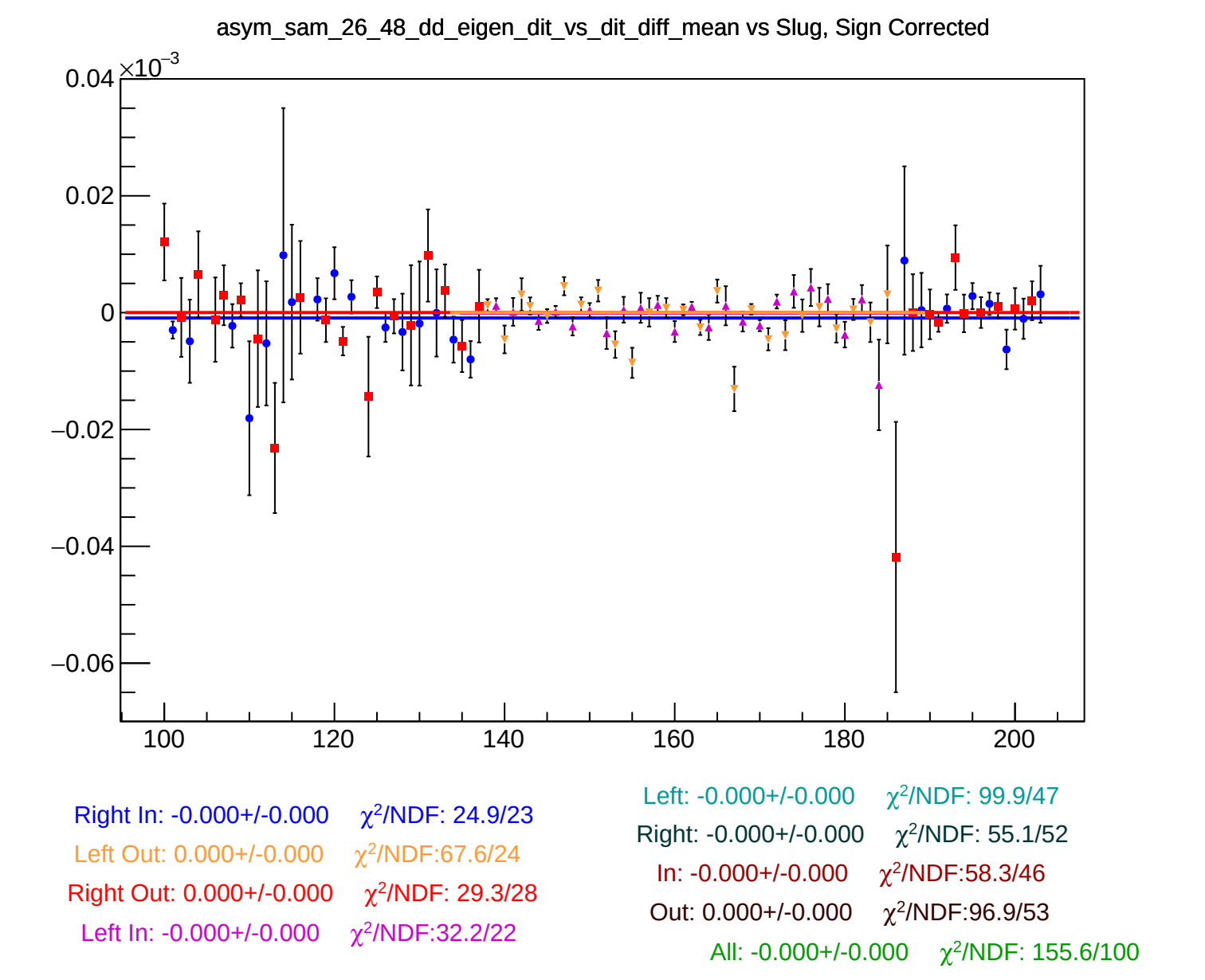
Left: 37.091+/-0.005 χ^2/NDF: 7066571.4/47

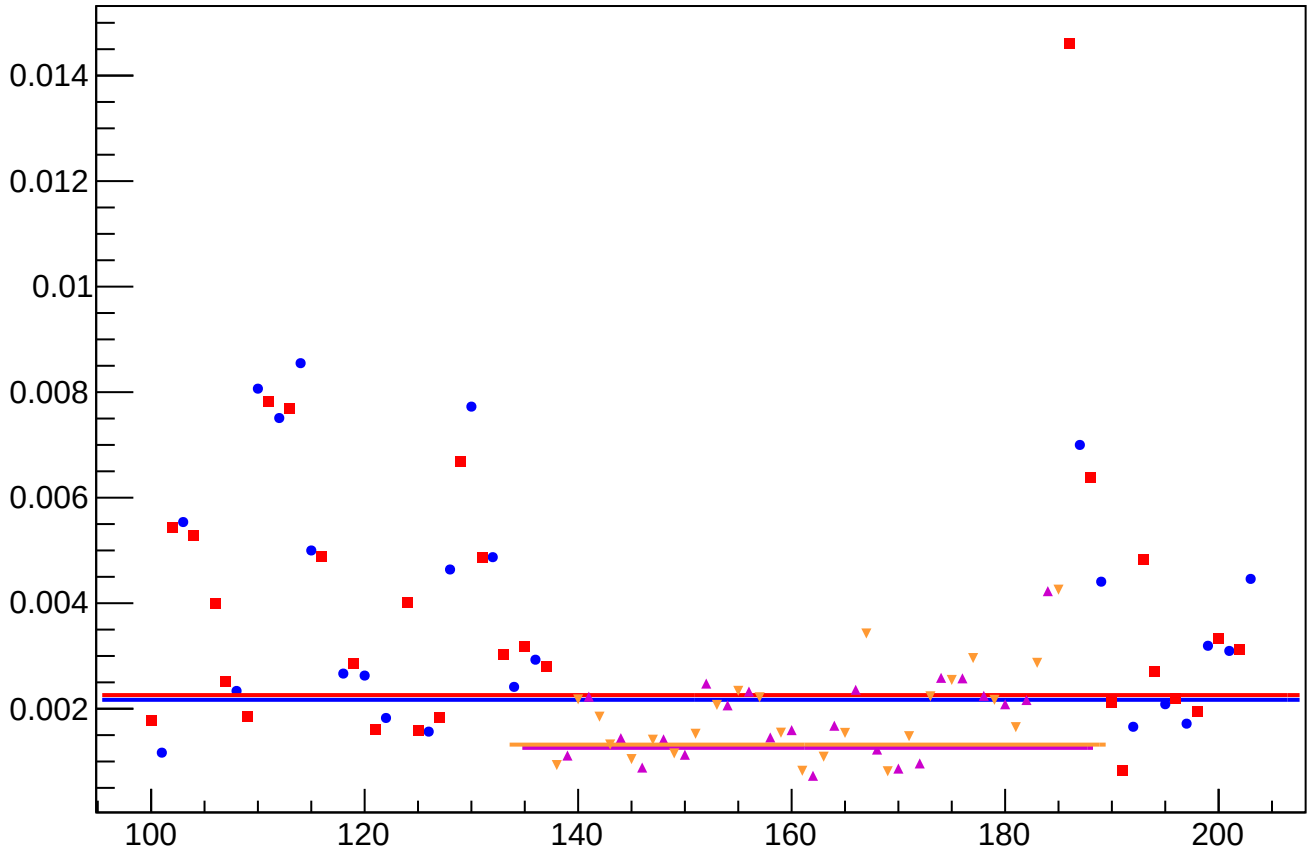
Right: 40.072+/-0.006 χ^2/NDF: 8825774.1/52

In: 37.494+/-0.005 χ^2/NDF:7555039.1/46

Out: 38.915+/-0.005 χ^2/NDF:8454919.8/53

All: 38.205+/-0.004 χ^2/NDF: 16047660.0/100


asym_sam_26_48_dd_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected
×10^−3
0.04
0.02
0
−0.02
−0.04
−0.06
100
120
140
160
180
200
Right In: -0.000+/-0.000 χ²/NDF: 24.9/23
Left Out: 0.000+/-0.000 χ²/NDF:67.6/24
Right Out: 0.000+/-0.000 χ²/NDF: 29.3/28
Left In: -0.000+/-0.000 χ²/NDF:32.2/22
Left: -0.000+/-0.000 χ²/NDF: 99.9/47
Right: -0.000+/-0.000 χ²/NDF: 55.1/52
In: -0.000+/-0.000 χ²/NDF:58.3/46
Out: 0.000+/-0.000 χ²/NDF:96.9/53
All: -0.000+/-0.000 χ²/NDF: 155.6/100



Right In: 0.002+/-0.000 χ^2/NDF: 5336434.6/23

Left Out: 0.001+/-0.000 χ^2/NDF:5632532.9/24

Right Out: 0.002+/-0.000 χ^2/NDF: 6925545.3/28

Left In: 0.001+/-0.000 χ^2/NDF:5369001.1/22

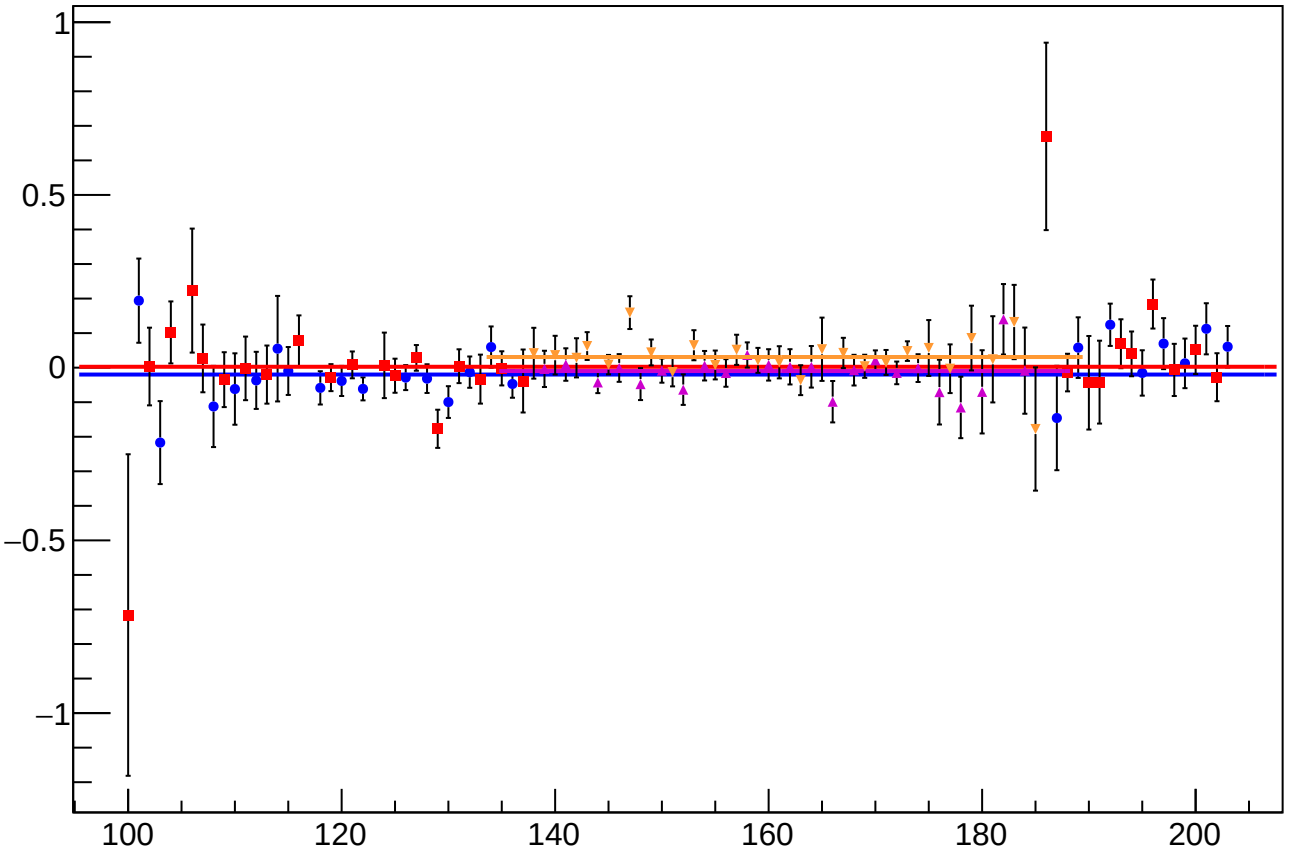
Left: 0.001+/-0.000 χ^2/NDF: 11036327.2/47

Right: 0.002+/-0.000 χ^2/NDF: 12278578.8/52

In: 0.001+/-0.000 χ^2/NDF:13536138.9/46

Out: 0.001+/-0.000 χ^2/NDF:15490806.5/53

All: 0.001+/-0.000 χ^2/NDF: 29075610.3/100



Right In: -0.020+/-0.012 χ^2/NDF: 28.3/23

Left Out: 0.031+/-0.009 χ^2/NDF:17.8/24

Right Out: 0.003+/-0.012 χ^2/NDF: 33.8/28

Left In: -0.010+/-0.009 χ^2/NDF:13.2/22

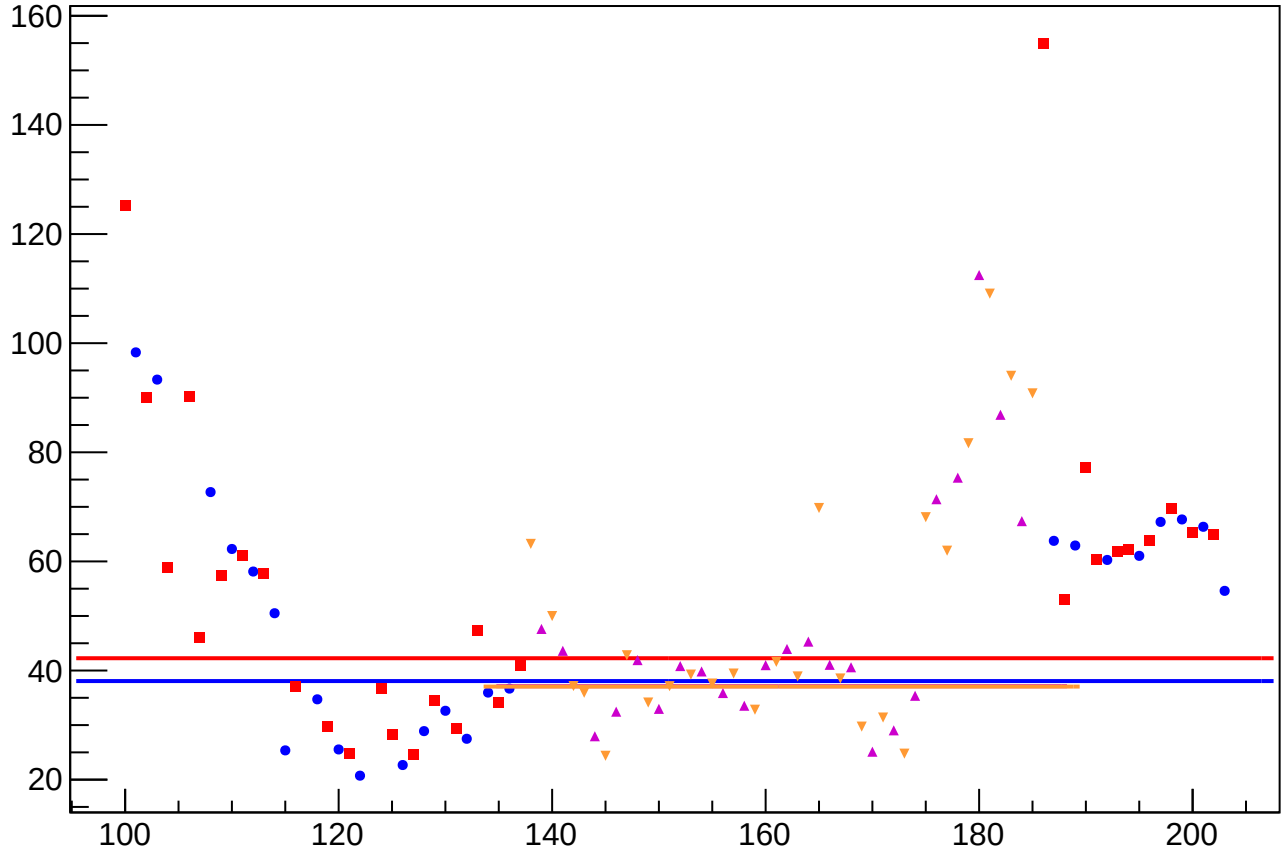
Left: 0.011+/-0.007 χ^2/NDF: 40.7/47

Right: -0.009+/-0.008 χ^2/NDF: 63.9/52

In: -0.014+/-0.007 χ^2/NDF:42.0/46

Out: 0.021+/-0.007 χ^2/NDF:55.1/53

All: 0.004+/-0.005 χ^2/NDF: 108.2/100



Right In: 38.069+/-0.008 χ^2/NDF: 4534266.8/23

Left Out: 37.057+/-0.006 χ^2/NDF:4053728.9/24

Right Out: 42.255+/-0.009 χ^2/NDF: 4169140.6/28

Left In: 37.127+/-0.007 χ^2/NDF:3012767.1/22

Left: 37.091+/-0.005 χ^2/NDF: 7066552.1/47

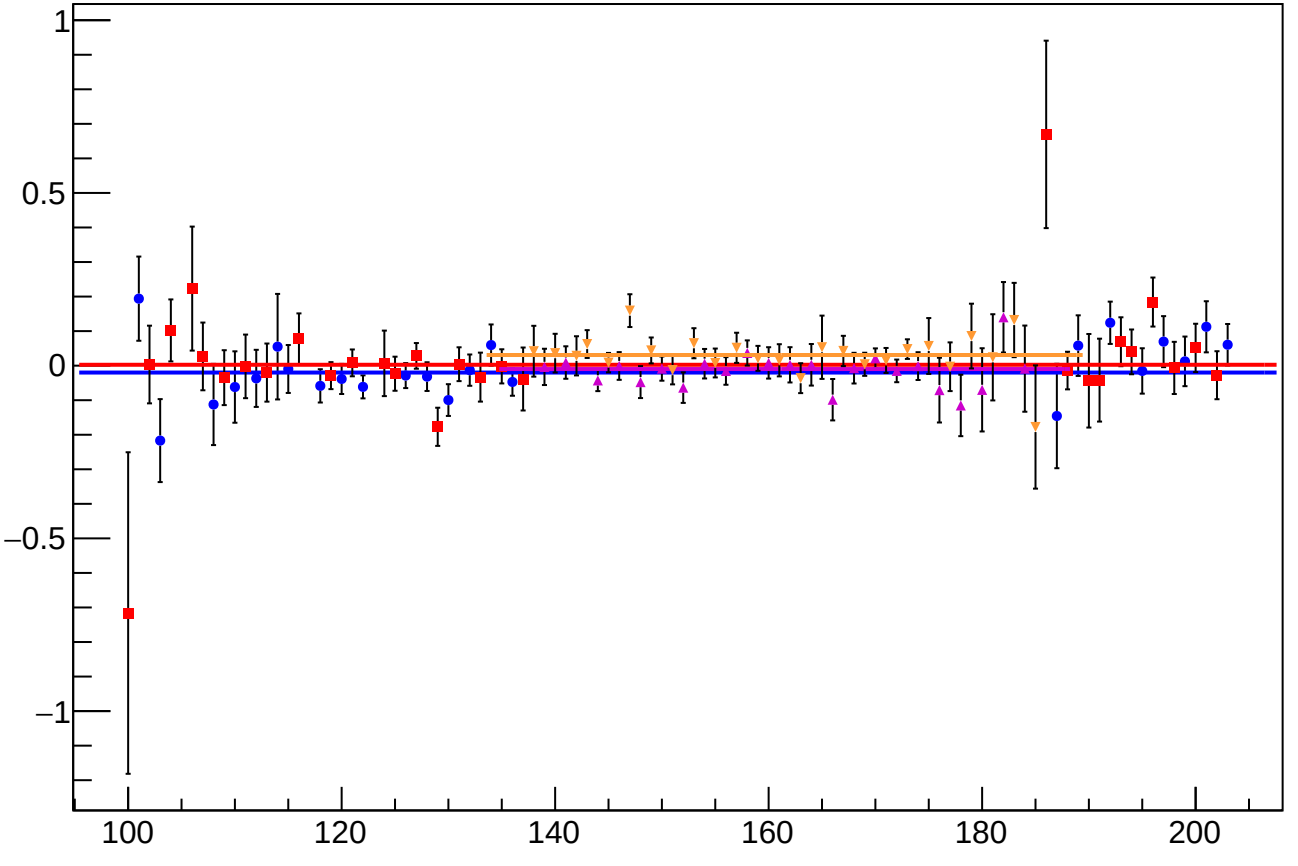
Right: 40.072+/-0.006 χ^2/NDF: 8825489.6/52

In: 37.495+/-0.005 χ^2/NDF:7554923.4/46

Out: 38.915+/-0.005 χ^2/NDF:8454775.8/53

All: 38.206+/-0.004 χ^2/NDF: 16047401.3/100

asym_sam_26_48_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.020+/-0.012 χ^2/NDF: 28.3/23

Left Out: 0.031+/-0.009 χ^2/NDF:17.8/24

Right Out: 0.003+/-0.012 χ^2/NDF: 33.8/28

Left In: -0.010+/-0.009 χ^2/NDF:13.2/22

Left: 0.011+/-0.007 χ^2/NDF: 40.7/47

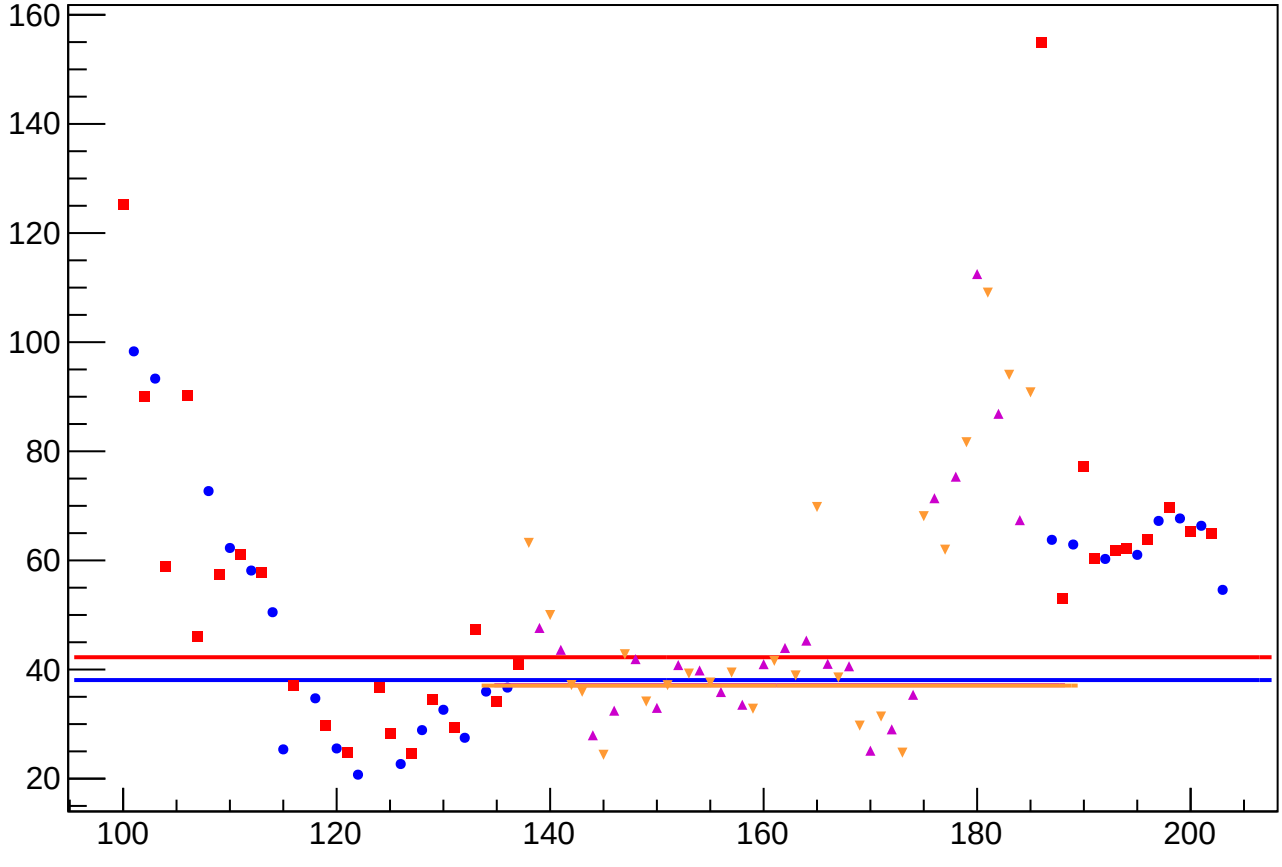
Right: -0.009+/-0.008 χ^2/NDF: 63.9/52

In: -0.014+/-0.007 χ^2/NDF:42.0/46

Out: 0.021+/-0.007 χ^2/NDF:55.1/53

All: 0.004+/-0.005 χ^2/NDF: 108.2/100

asym_sam_26_48_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 38.069+/-0.008 χ^2/NDF: 4534266.8/23

Left Out: 37.057+/-0.006 χ^2/NDF:4053728.9/24

Right Out: 42.255+/-0.009 χ^2/NDF: 4169140.6/28

Left In: 37.127+/-0.007 χ^2/NDF:3012767.1/22

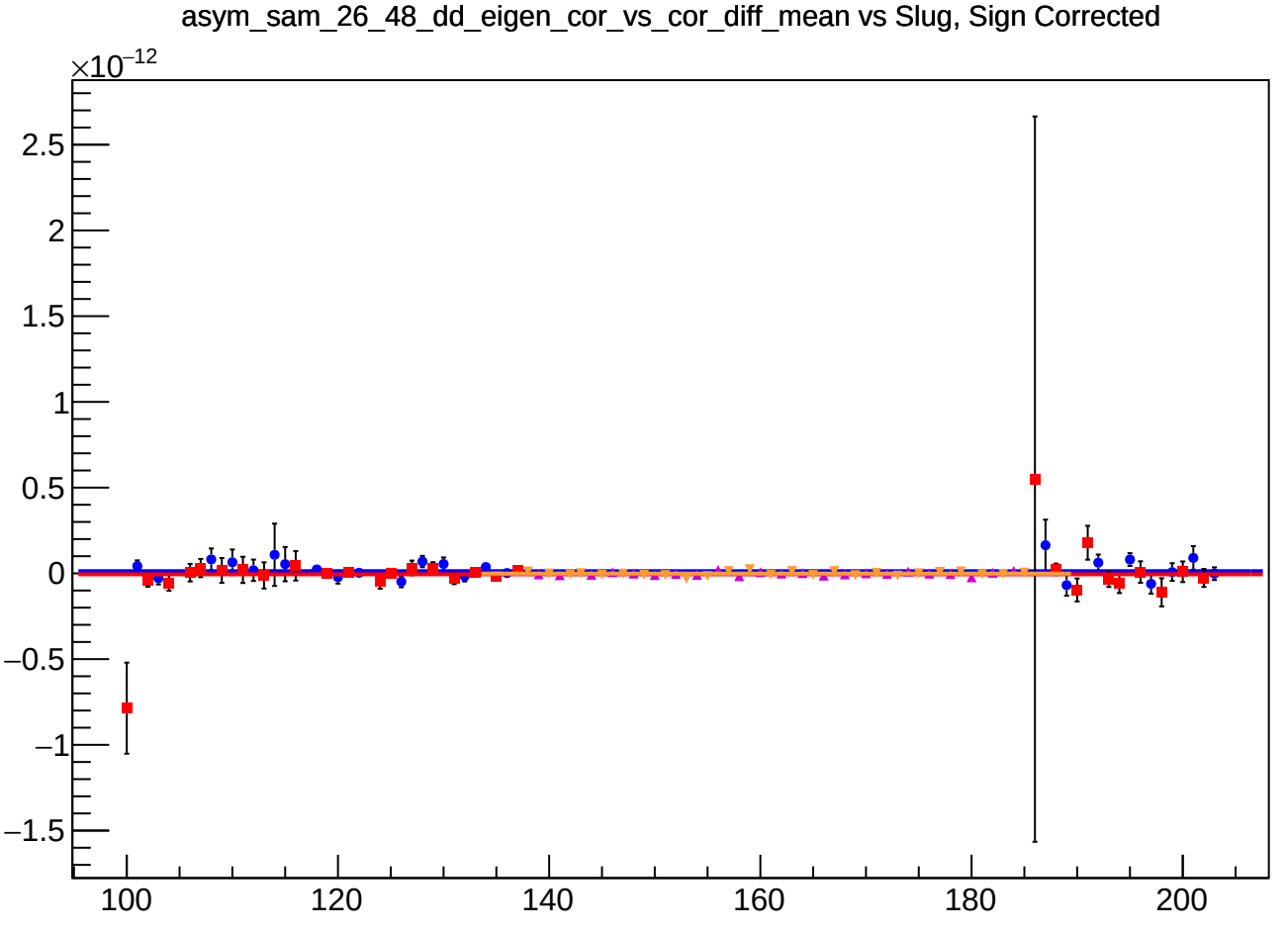
Left: 37.091+/-0.005 χ^2/NDF: 7066552.1/47

Right: 40.072+/-0.006 χ^2/NDF: 8825489.6/52

In: 37.495+/-0.005 χ^2/NDF:7554923.4/46

Out: 38.915+/-0.005 χ^2/NDF:8454775.8/53

All: 38.206+/-0.004 χ^2/NDF: 16047401.3/100



Right In: 0.000+/-0.000 χ^2/NDF: 27.2/23

Left Out: -0.000+/-0.000 χ^2/NDF:26.0/24

Right Out: -0.000+/-0.000 χ^2/NDF: 26.9/28

Left In: -0.000+/-0.000 χ^2/NDF:20.6/22

Left: -0.000+/-0.000 χ^2/NDF: 47.0/47

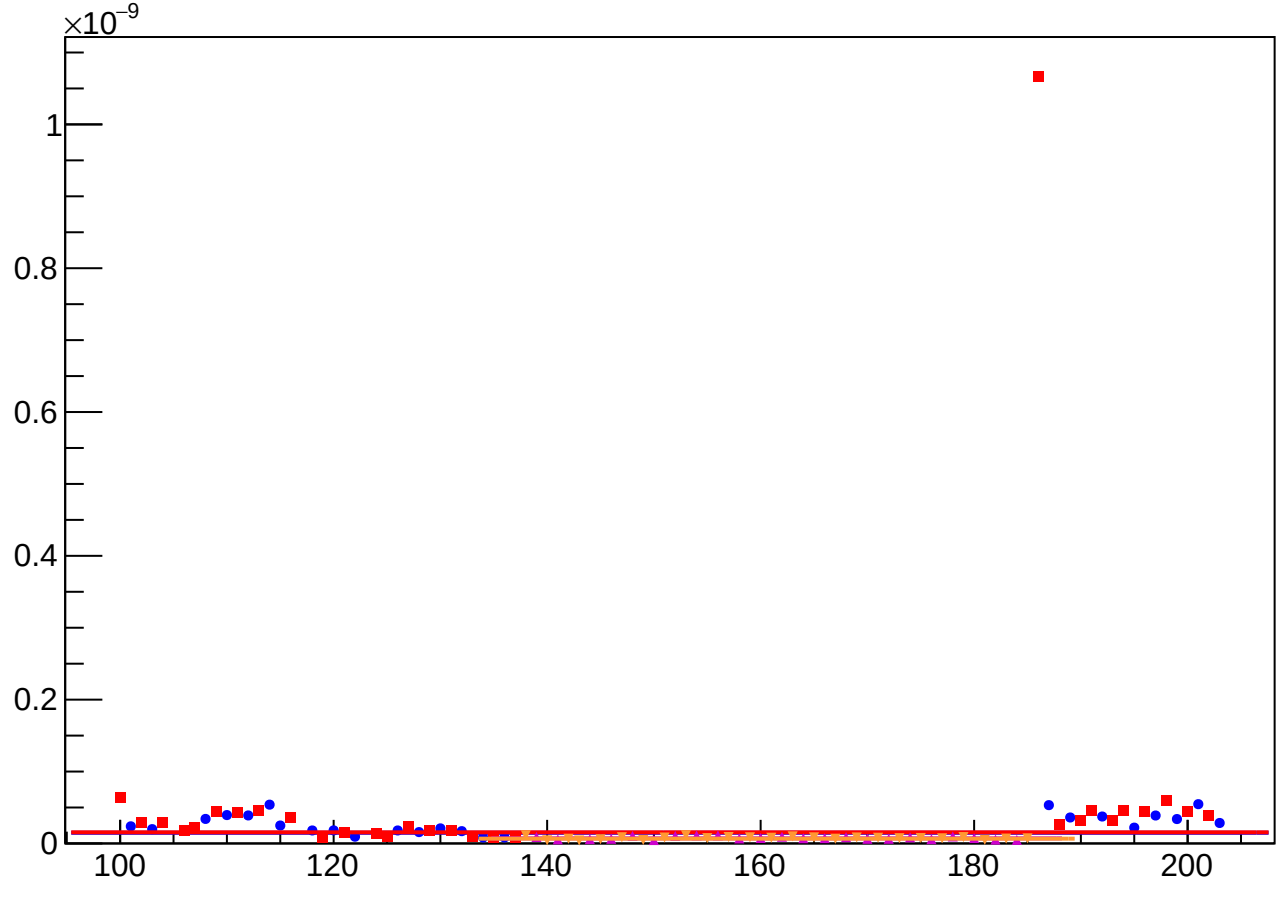
Right: 0.000+/-0.000 χ^2/NDF: 58.5/52

In: -0.000+/-0.000 χ^2/NDF:54.0/46

Out: -0.000+/-0.000 χ^2/NDF:53.3/53

All: -0.000+/-0.000 χ^2/NDF: 107.2/100

asym_sam_26_48_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 4882391.8/23

Left Out: 0.000+/-0.000 χ^2/NDF:1953818.9/24

Right Out: 0.000+/-0.000 χ^2/NDF: 6875662.1/28

Left In: 0.000+/-0.000 χ^2/NDF:1431998.0/22

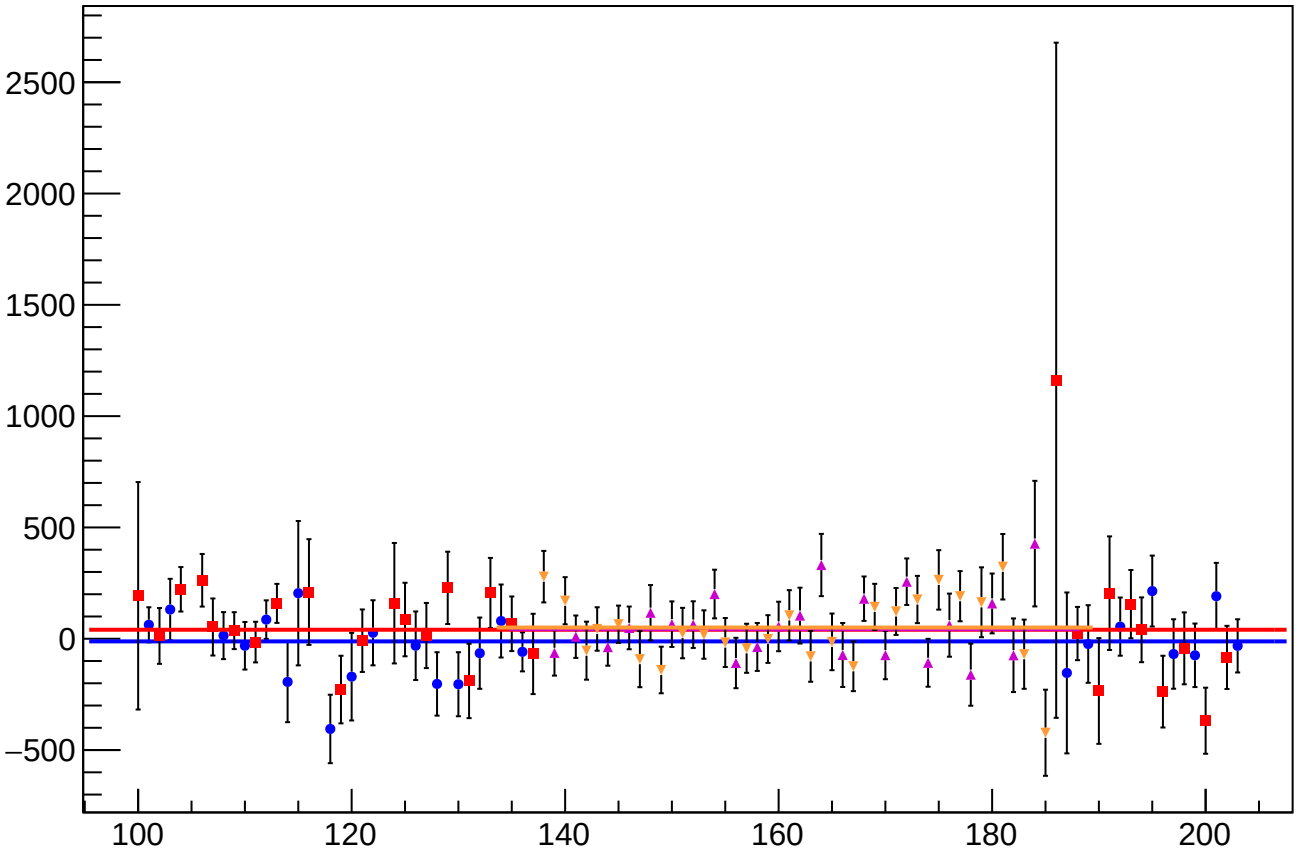
Left: 0.000+/-0.000 χ^2/NDF: 3428981.7/47

Right: 0.000+/-0.000 χ^2/NDF: 11767805.1/52

In: 0.000+/-0.000 χ^2/NDF:9259132.8/46

Out: 0.000+/-0.000 χ^2/NDF:12460691.2/53

All: 0.000+/-0.000 χ^2/NDF: 21778173.1/100



Right In: -11.866+/-27.031 χ^2/NDF: 21.0/23

Left Out: 50.314+/-22.958 χ^2/NDF:33.5/24

Right Out: 40.465+/-25.985 χ^2/NDF: 32.5/28

Left In: 43.026+/-23.758 χ^2/NDF:26.6/22

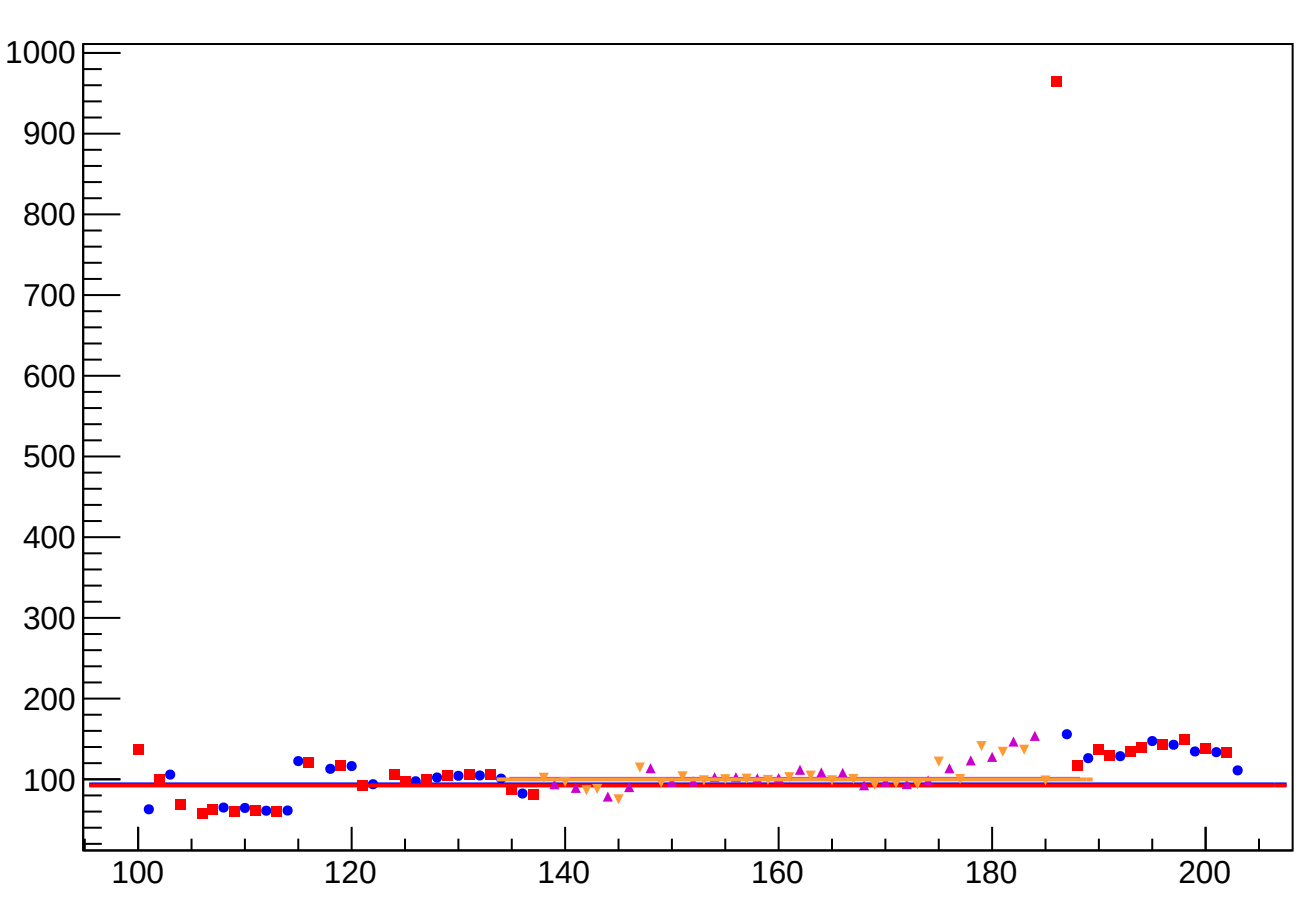
Left: 46.795+/-16.509 χ^2/NDF: 60.1/47

Right: 15.331+/-18.733 χ^2/NDF: 55.4/52

In: 19.102+/-17.845 χ^2/NDF:49.9/46

Out: 45.996+/-17.205 χ^2/NDF:66.0/53

All: 33.040+/-12.386 χ^2/NDF: 117.1/100



Right In: 93.637+/-0.019 χ^2/NDF: 2151974.4/23

Left Out: 99.839+/-0.016 χ^2/NDF:697768.7/24

Right Out: 92.380+/-0.018 χ^2/NDF: 3399947.0/28

Left In: 100.498+/-0.017 χ^2/NDF:656850.1/22

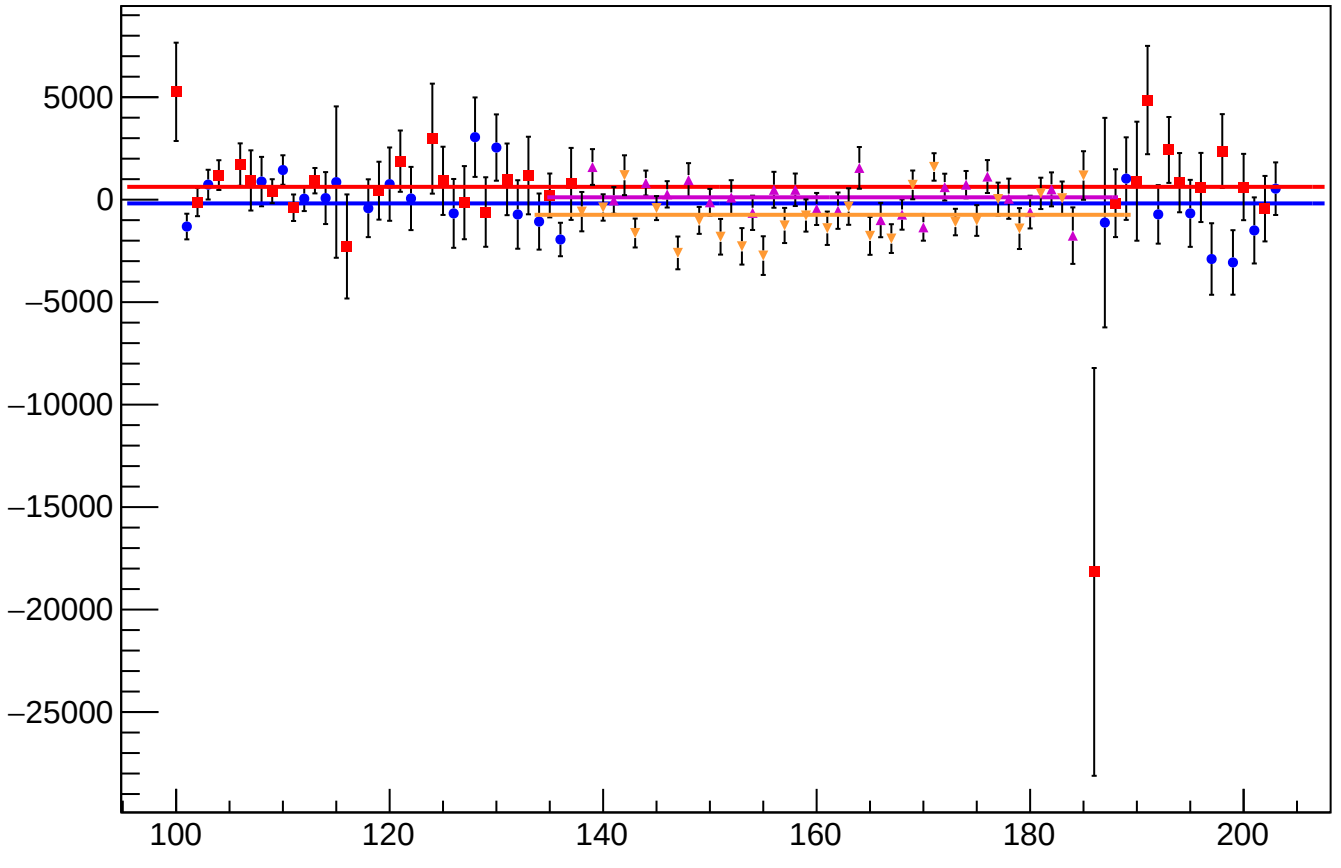
Left: 100.157+/-0.012 χ^2/NDF: 1355414.7/47

Right: 92.984+/-0.013 χ^2/NDF: 5554169.0/52

In: 97.508+/-0.013 χ^2/NDF:2881518.9/46

Out: 96.569+/-0.012 χ^2/NDF:4190267.7/53

All: 97.021+/-0.009 χ^2/NDF: 7074654.4/100



Right In: -182.672+/-235.615 χ^2/NDF: 29.6/23

Left Out: -738.364+/-156.311 χ^2/NDF:49.7/24

Right Out: 625.257+/-220.769 χ^2/NDF: 22.4/28

Left In: 115.639+/-160.990 χ^2/NDF:23.7/22

Left: -323.953+/-112.146 χ^2/NDF: 87.9/47

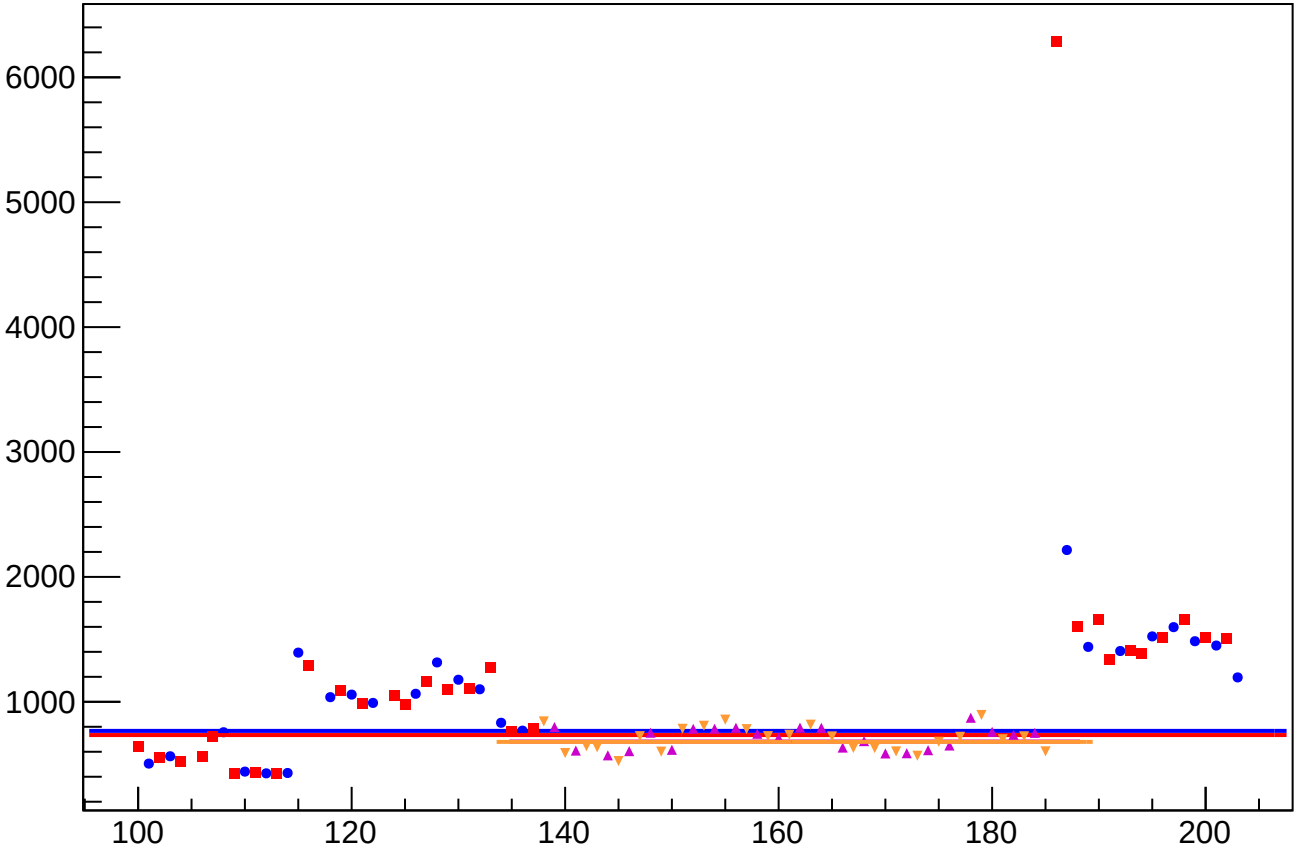
Right: 247.547+/-161.100 χ^2/NDF: 58.3/52

In: 20.694+/-132.924 χ^2/NDF:54.4/46

Out: -283.032+/-127.572 χ^2/NDF:97.5/53

All: -137.407+/-92.041 χ^2/NDF: 154.6/100

asym_sam_1548_avg_reg_correction_rms vs Slug, Sign Corrected



Right In: 767.189+/-0.167 χ^2/NDF: 5016912.0/23

Left Out: 679.146+/-0.111 χ^2/NDF:737419.7/24

Right Out: 733.780+/-0.156 χ^2/NDF: 6812274.5/28

Left In: 681.893+/-0.114 χ^2/NDF:573812.4/22

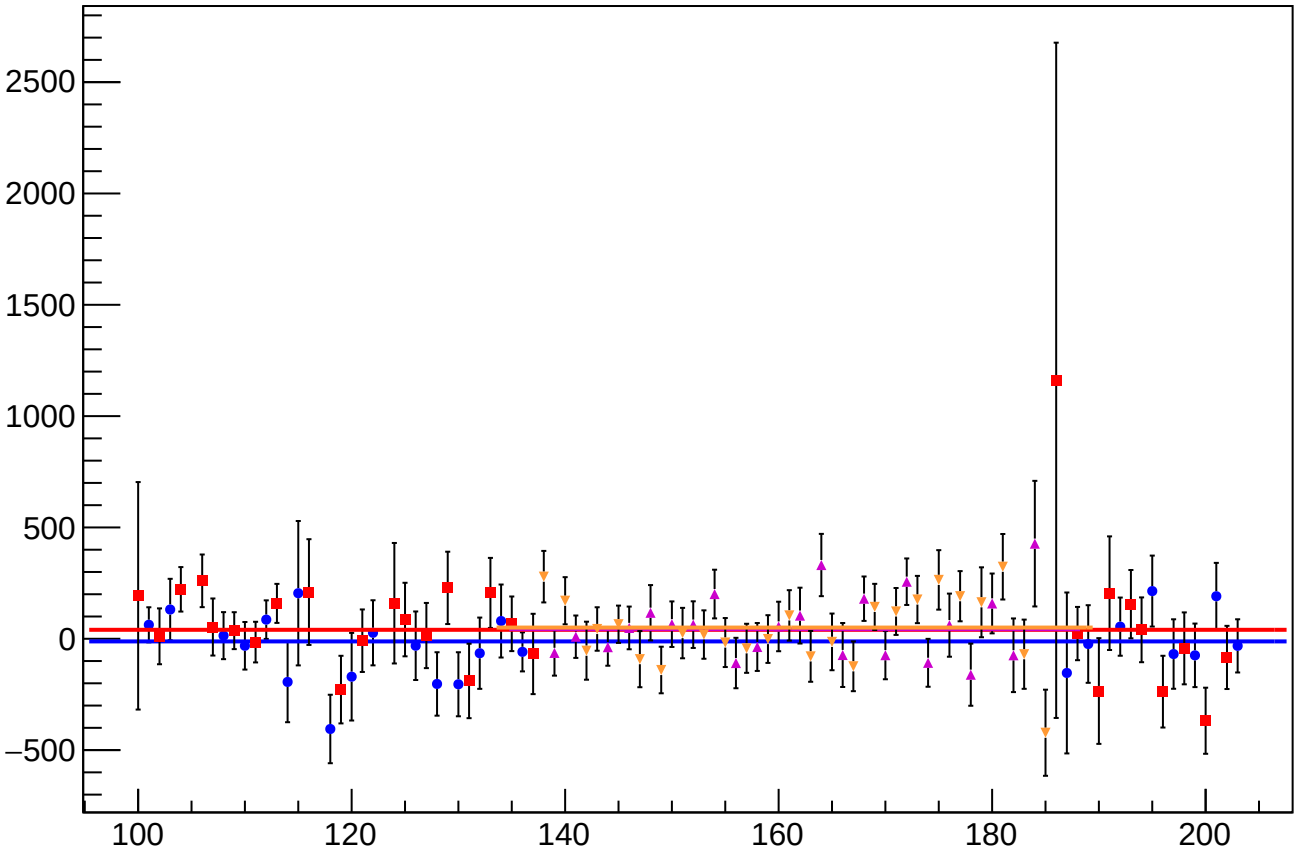
Left: 680.479+/-0.079 χ^2/NDF: 1311531.8/47

Right: 749.399+/-0.114 χ^2/NDF: 11850599.5/52

In: 709.041+/-0.094 χ^2/NDF:5769412.0/46

Out: 697.389+/-0.090 χ^2/NDF:7631278.9/53

All: 702.976+/-0.065 χ^2/NDF: 13408689.9/10



Right In: -11.868+/-27.031 χ^2/NDF: 21.0/23

Left Out: 50.322+/-22.958 χ^2/NDF:33.4/24

Right Out: 40.265+/-25.986 χ^2/NDF: 32.4/28

Left In: 43.026+/-23.758 χ^2/NDF:26.6/22

Left: 46.799+/-16.509 χ^2/NDF: 60.1/47

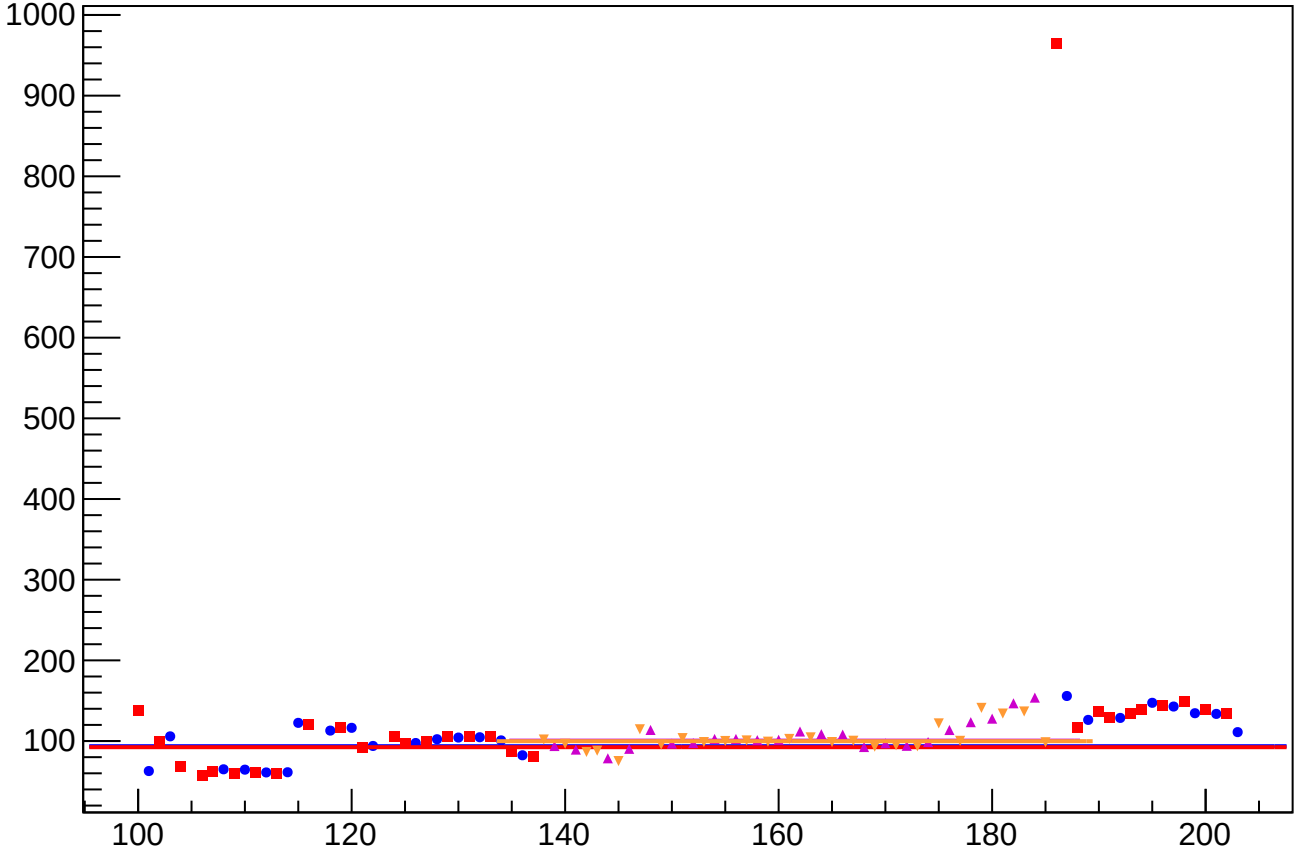
Right: 15.225+/-18.733 χ^2/NDF: 55.3/52

In: 19.102+/-17.845 χ^2/NDF:49.9/46

Out: 45.914+/-17.205 χ^2/NDF:65.9/53

All: 32.997+/-12.386 χ^2/NDF: 117.0/100

cor_asym_sam_1548_avg_rms vs Slug, Sign Corrected



Right In: 93.637+/-0.019 χ^2/NDF: 2151975.7/23

Left Out: 99.839+/-0.016 χ^2/NDF:697768.8/24

Right Out: 92.367+/-0.018 χ^2/NDF: 3403203.2/28

Left In: 100.498+/-0.017 χ^2/NDF:656850.1/22

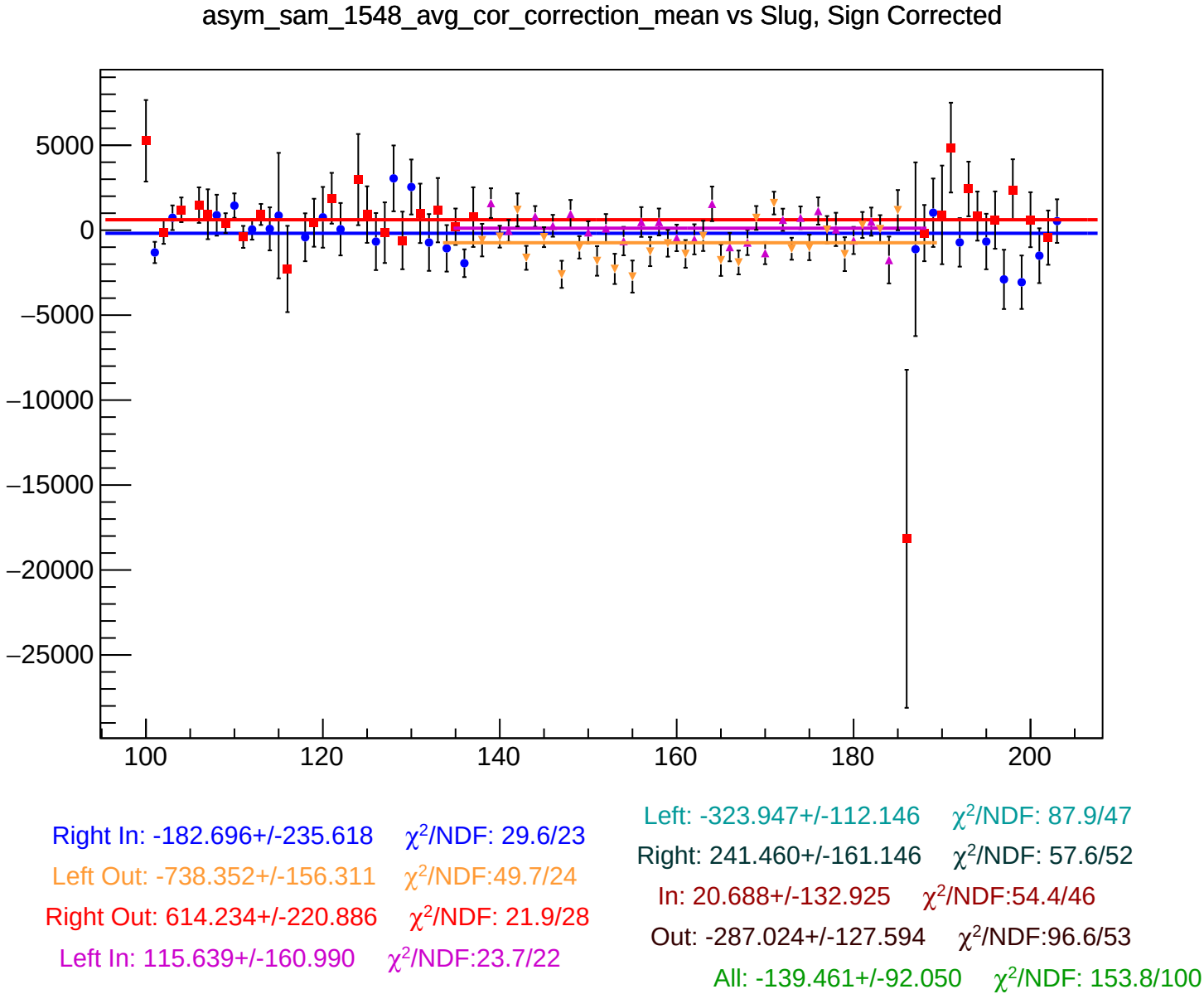
Left: 100.157+/-0.012 χ^2/NDF: 1355414.8/47

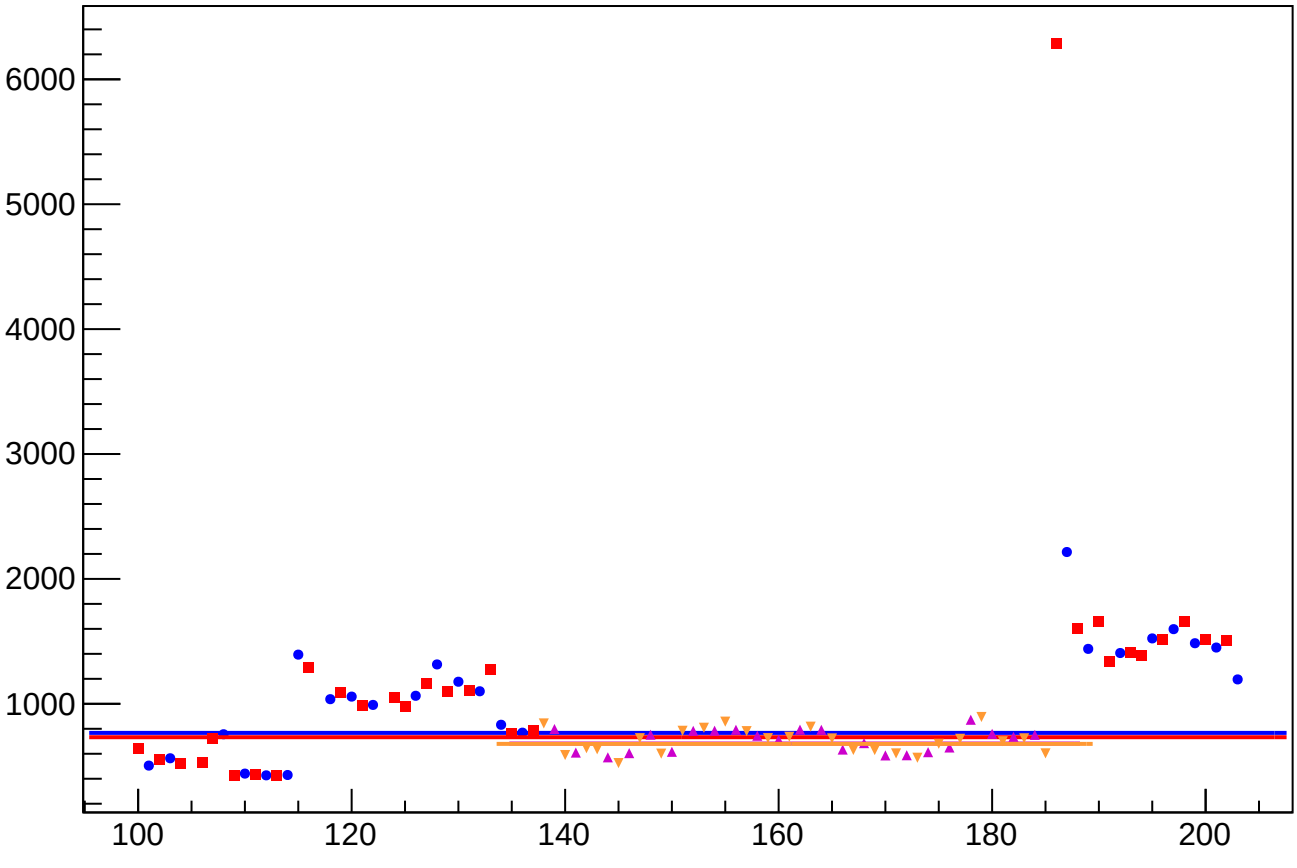
Right: 92.977+/-0.013 χ^2/NDF: 5557472.3/52

In: 97.508+/-0.013 χ^2/NDF:2881519.9/46

Out: 96.564+/-0.012 χ^2/NDF:4193835.6/53

All: 97.018+/-0.009 χ^2/NDF: 7078256.5/100


asym_sam_1548_avg_cor_correction_mean vs Slug, Sign Corrected
5000
0
−5000
−10000
−15000
−20000
−25000
100
120
140
160
180
200
Right In: -182.696+/-235.618 χ²/NDF: 29.6/23
Left Out: -738.352+/-156.311 χ²/NDF:49.7/24
Right Out: 614.234+/-220.886 χ²/NDF: 21.9/28
Left In: 115.639+/-160.990 χ²/NDF:23.7/22
Left: -323.947+/-112.146 χ²/NDF: 87.9/47
Right: 241.460+/-161.146 χ²/NDF: 57.6/52
In: 20.688+/-132.925 χ²/NDF:54.4/46
Out: -287.024+/-127.594 χ²/NDF:96.6/53
All: -139.461+/-92.050 χ²/NDF: 153.8/100



Right In: 767.200+/-0.167 χ^2/NDF: 5016793.3/23

Left Out: 679.146+/-0.111 χ^2/NDF:737418.6/24

Right Out: 732.482+/-0.156 χ^2/NDF: 6833935.2/28

Left In: 681.893+/-0.114 χ^2/NDF:573813.6/22

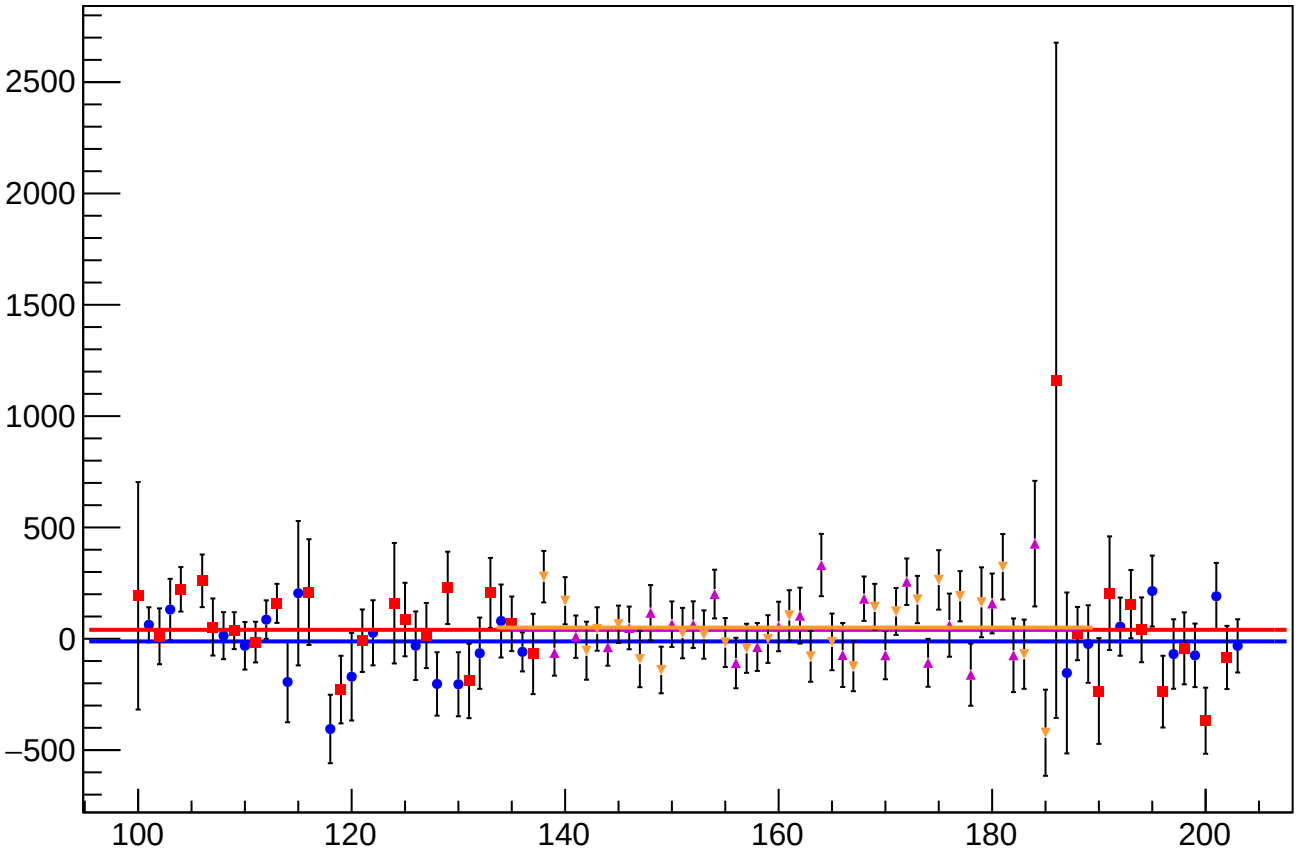
Left: 680.479+/-0.079 χ^2/NDF: 1311532.0/47

Right: 748.722+/-0.114 χ^2/NDF: 11873839.8/52

In: 709.044+/-0.094 χ^2/NDF:5769334.4/46

Out: 696.943+/-0.090 χ^2/NDF:7649052.0/53

All: 702.746+/-0.065 χ^2/NDF: 13427012.3/10



Right In: -11.868+/-27.031 χ^2/NDF: 21.0/23

Left Out: 50.322+/-22.958 χ^2/NDF:33.4/24

Right Out: 40.265+/-25.986 χ^2/NDF: 32.4/28

Left In: 43.026+/-23.758 χ^2/NDF:26.6/22

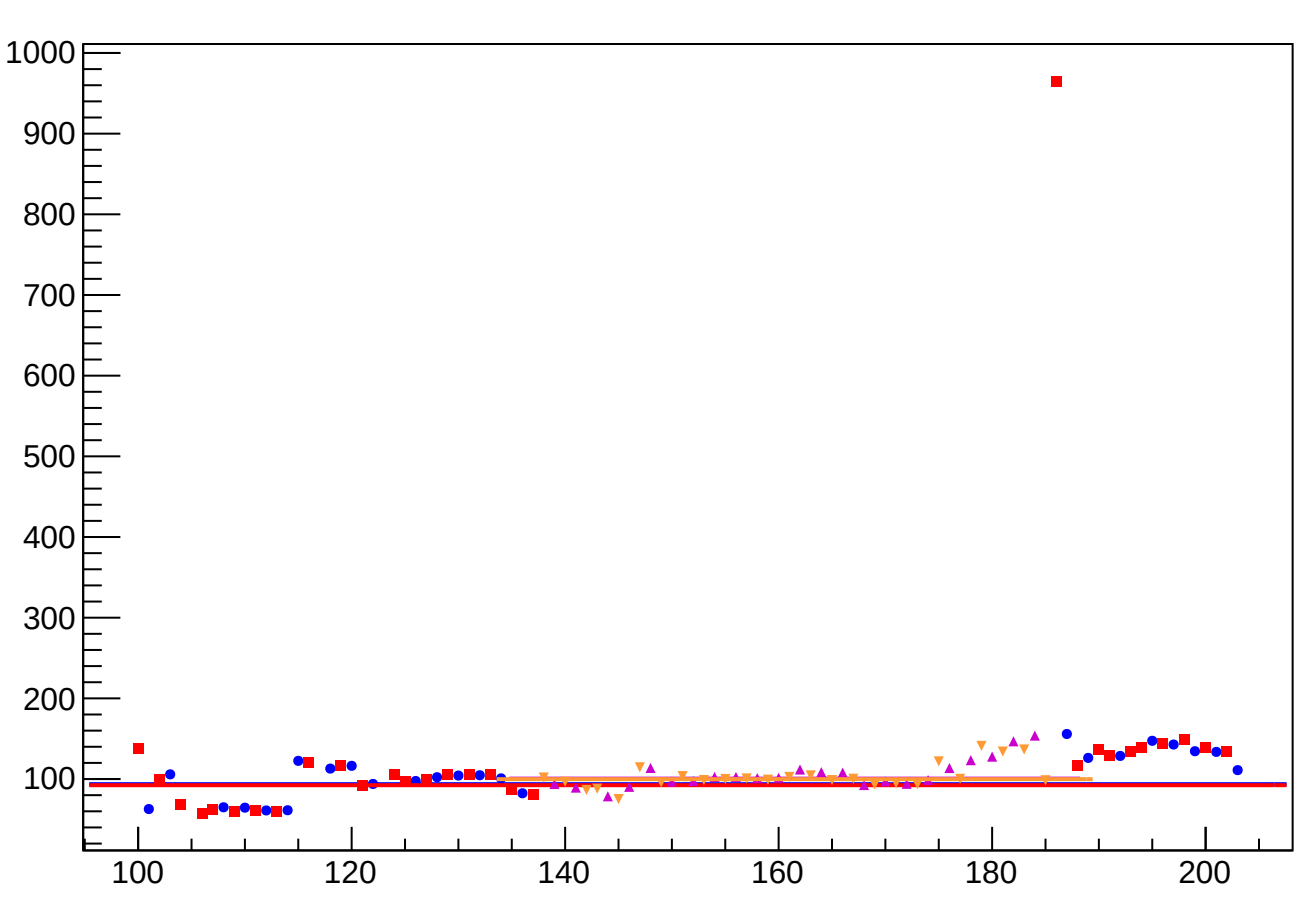
Left: 46.799+/-16.509 χ^2/NDF: 60.1/47

Right: 15.225+/-18.733 χ^2/NDF: 55.3/52

In: 19.102+/-17.845 χ^2/NDF:49.9/46

Out: 45.914+/-17.205 χ^2/NDF:65.9/53

All: 32.997+/-12.386 χ^2/NDF: 117.0/100



Right In: 93.637+/-0.019 χ^2/NDF: 2151975.7/23

Left Out: 99.839+/-0.016 χ^2/NDF:697768.8/24

Right Out: 92.367+/-0.018 χ^2/NDF: 3403203.2/28

Left In: 100.498+/-0.017 χ^2/NDF:656850.1/22

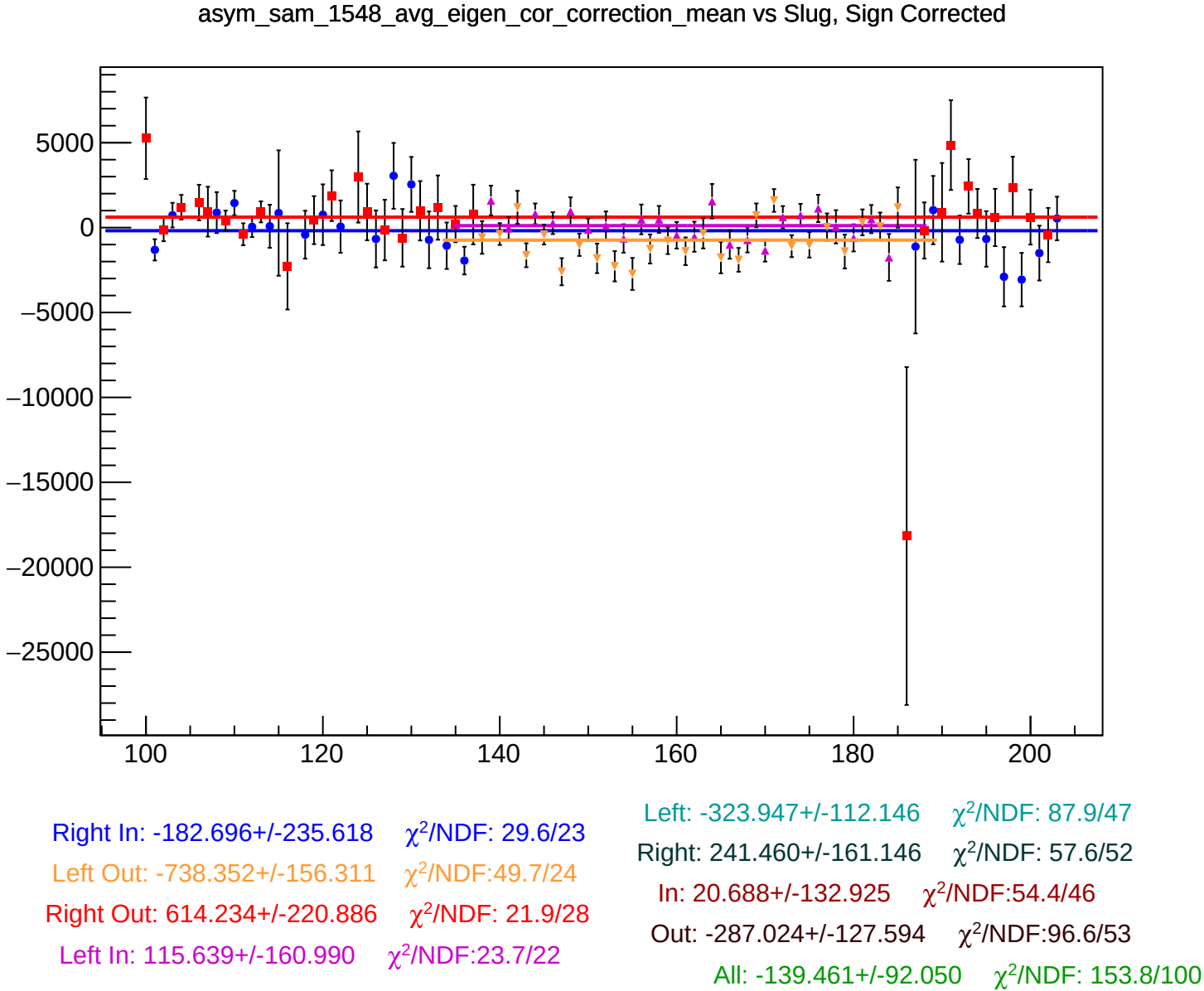
Left: 100.157+/-0.012 χ^2/NDF: 1355414.8/47

Right: 92.977+/-0.013 χ^2/NDF: 5557472.3/52

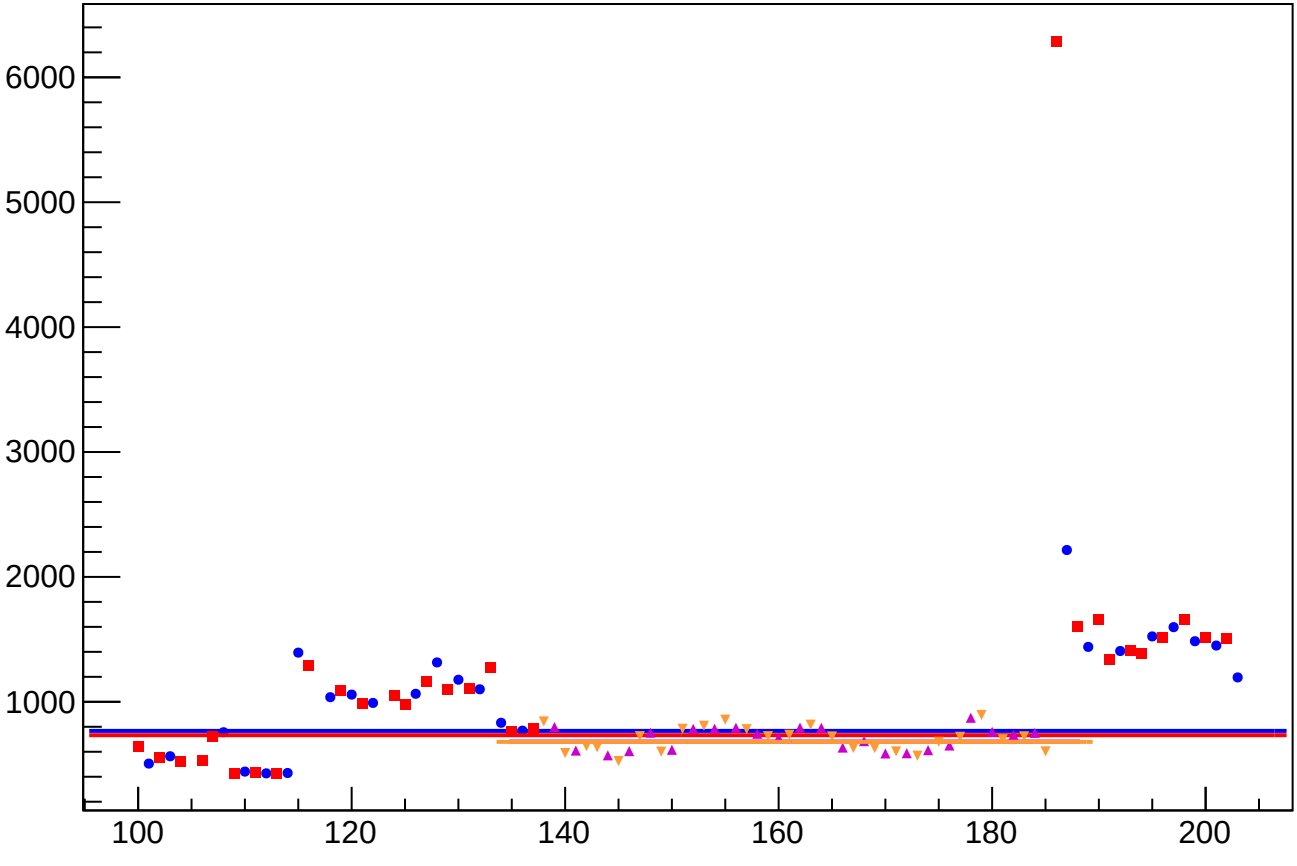
In: 97.508+/-0.013 χ^2/NDF:2881519.9/46

Out: 96.564+/-0.012 χ^2/NDF:4193835.6/53

All: 97.018+/-0.009 χ^2/NDF: 7078256.5/100


asym_sam_1548_avg_eigen_cor_correction_mean vs Slug, Sign Corrected
5000
0
−5000
−10000
−15000
−20000
−25000
100
120
140
160
180
200
Right In: -182.696+/-235.618 χ²/NDF: 29.6/23
Left Out: -738.352+/-156.311 χ²/NDF:49.7/24
Right Out: 614.234+/-220.886 χ²/NDF: 21.9/28
Left In: 115.639+/-160.990 χ²/NDF:23.7/22
Left: -323.947+/-112.146 χ²/NDF: 87.9/47
Right: 241.460+/-161.146 χ²/NDF: 57.6/52
In: 20.688+/-132.925 χ²/NDF:54.4/46
Out: -287.024+/-127.594 χ²/NDF:96.6/53
All: -139.461+/-92.050 χ²/NDF: 153.8/100

asym_sam_1548_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 767.200+/-0.167 χ^2/NDF: 5016793.3/23

Left Out: 679.146+/-0.111 χ^2/NDF:737418.6/24

Right Out: 732.482+/-0.156 χ^2/NDF: 6833935.2/28

Left In: 681.893+/-0.114 χ^2/NDF:573813.6/22

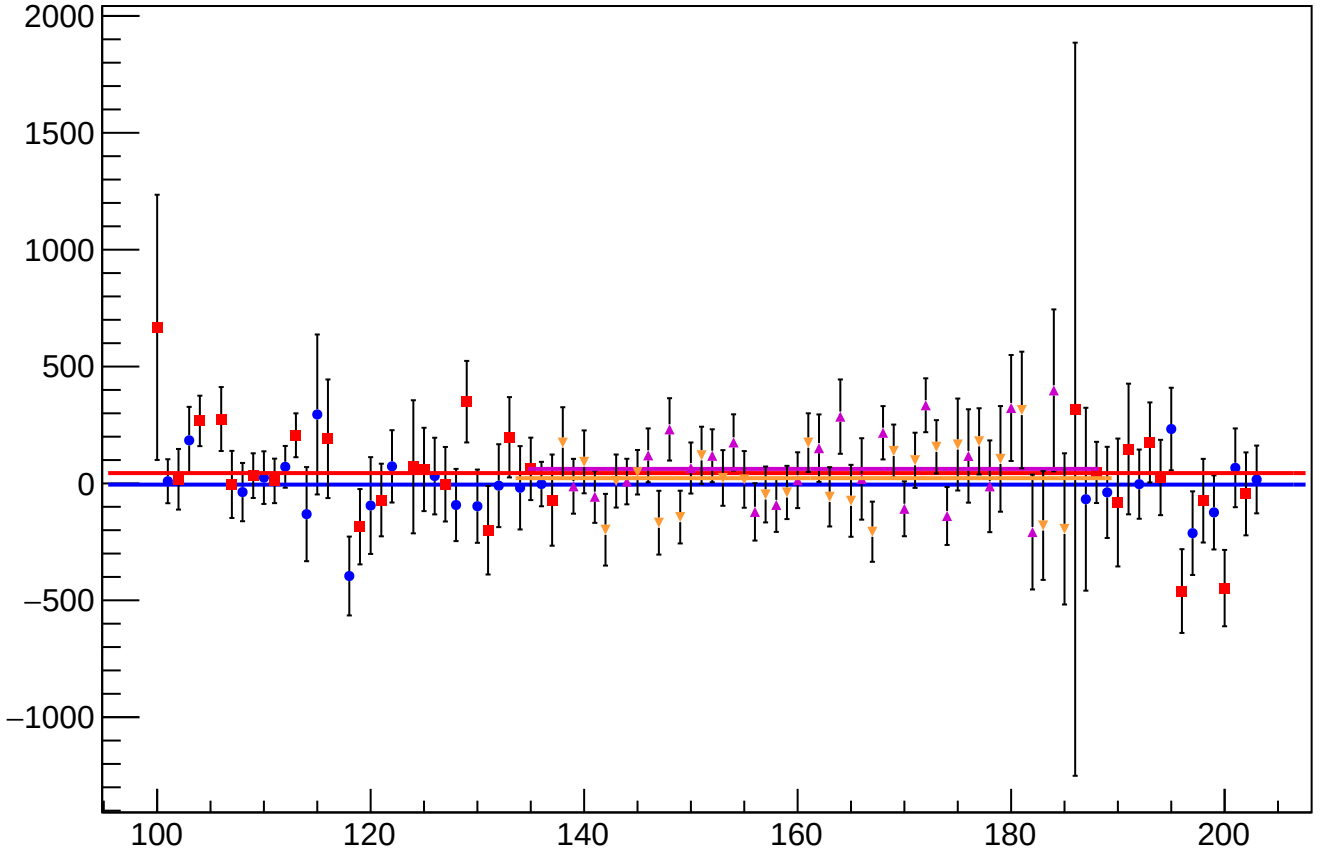
Left: 680.479+/-0.079 χ^2/NDF: 1311532.0/47

Right: 748.722+/-0.114 χ^2/NDF: 11873839.8/52

In: 709.044+/-0.094 χ^2/NDF:5769334.4/46

Out: 696.943+/-0.090 χ^2/NDF:7649052.0/53

All: 702.746+/-0.065 χ^2/NDF: 13427012.3/10



Right In: -5.051+/-29.858 χ^2/NDF: 14.3/23

Left Out: 22.542+/-26.643 χ^2/NDF:21.6/24

Right Out: 44.264+/-28.533 χ^2/NDF: 39.2/28

Left In: 62.169+/-27.339 χ^2/NDF:27.3/22

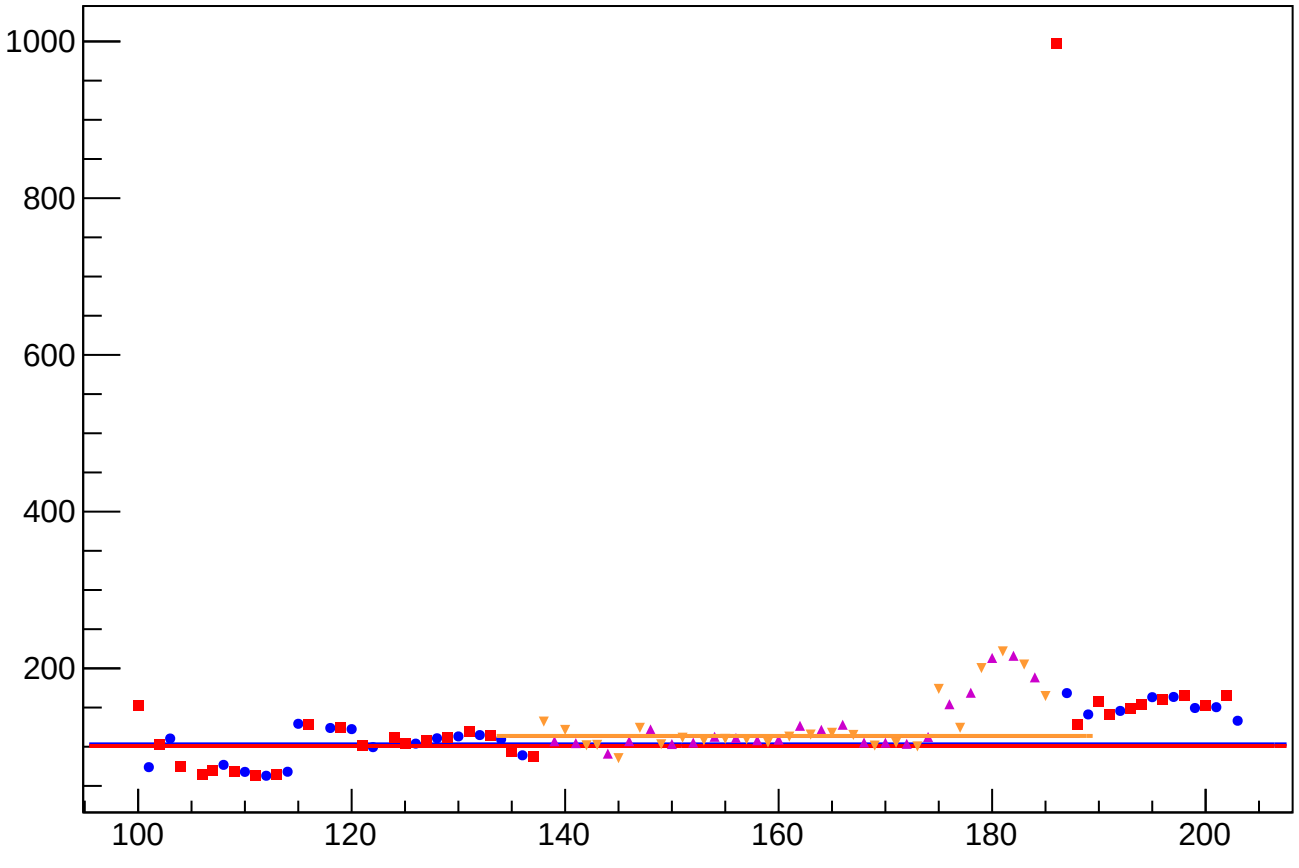
Left: 41.845+/-19.081 χ^2/NDF: 50.0/47

Right: 20.725+/-20.628 χ^2/NDF: 54.9/52

In: 31.514+/-20.163 χ^2/NDF:44.4/46

Out: 32.660+/-19.473 χ^2/NDF:61.1/53

All: 32.107+/-14.007 χ^2/NDF: 105.5/100



Right In: 102.994+/-0.021 χ^2/NDF: 2247071.2/23

Left Out: 113.766+/-0.019 χ^2/NDF:1579920.3/24

Right Out: 100.935+/-0.020 χ^2/NDF: 3533475.7/28

Left In: 113.677+/-0.019 χ^2/NDF:1316044.6/22

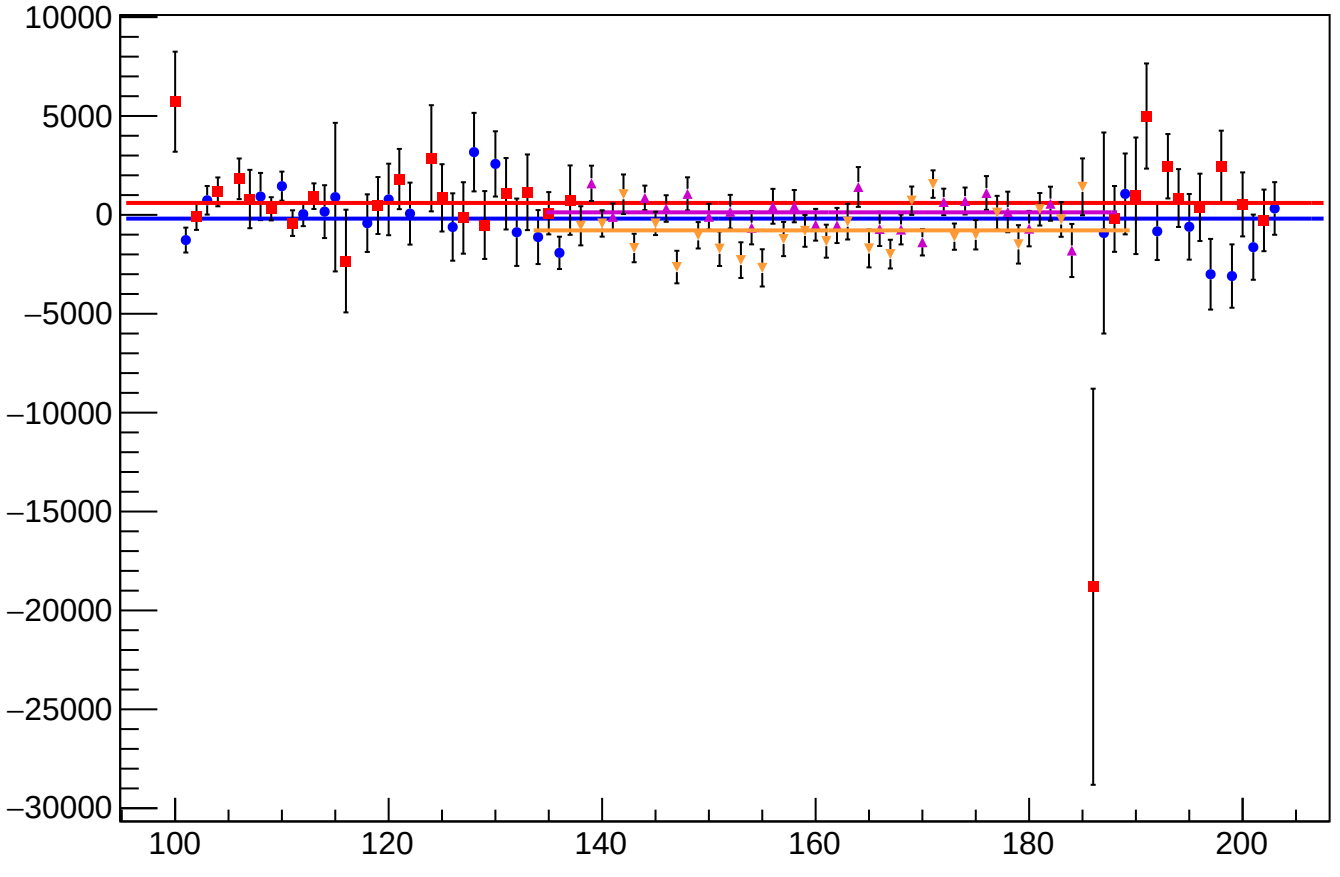
Left: 113.723+/-0.013 χ^2/NDF: 2895975.8/47

Right: 101.918+/-0.015 χ^2/NDF: 5785517.9/52

In: 108.805+/-0.014 χ^2/NDF:3702371.5/46

Out: 107.790+/-0.014 χ^2/NDF:5329442.0/53

All: 108.280+/-0.010 χ^2/NDF: 9034437.9/100



Right In: -189.829+/-238.281 χ^2/NDF: 29.3/23

Left Out: -784.286+/-160.482 χ^2/NDF:45.4/24

Right Out: 602.771+/-223.054 χ^2/NDF: 23.1/28

Left In: 128.155+/-165.255 χ^2/NDF:22.7/22

Left: -341.434+/-115.128 χ^2/NDF: 83.8/47

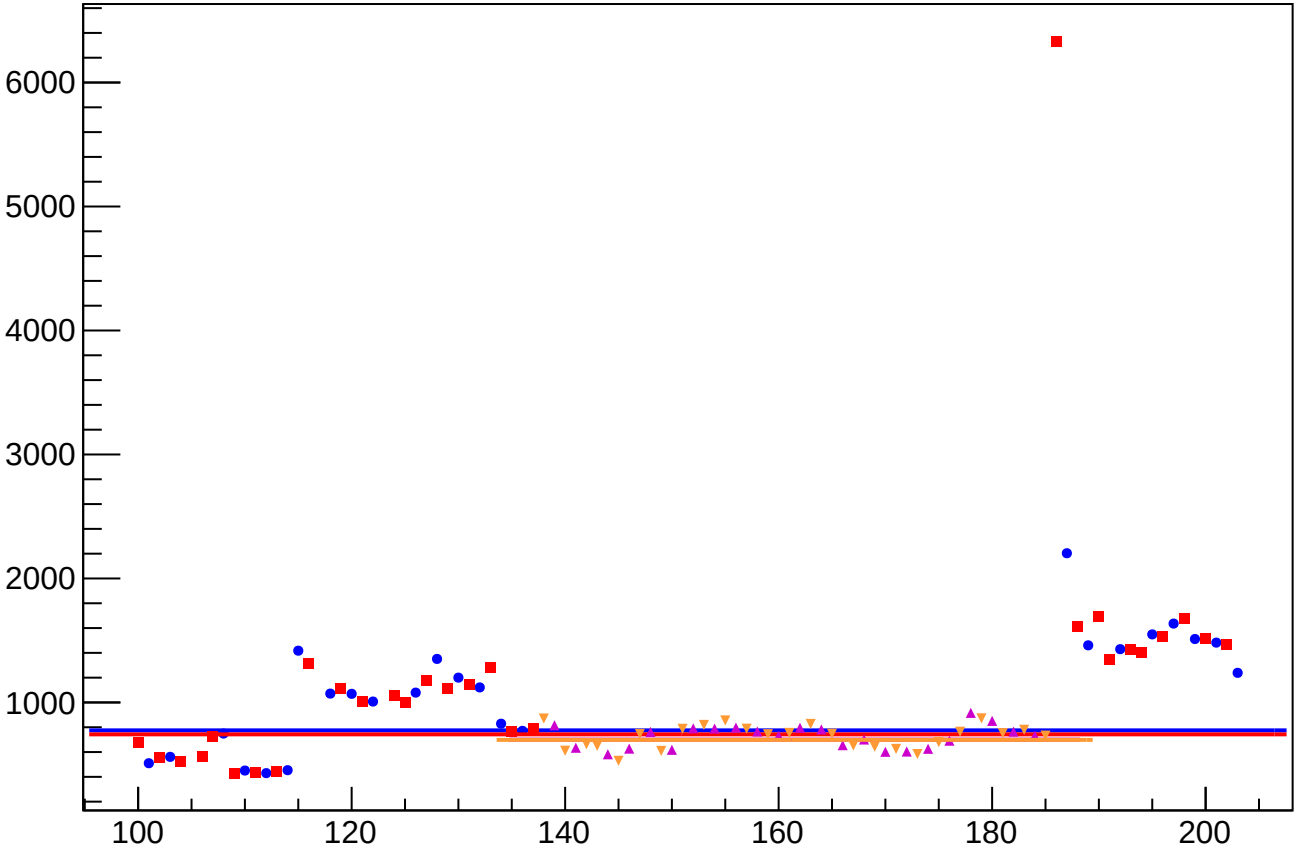
Right: 232.604+/-162.840 χ^2/NDF: 58.3/52

In: 24.882+/-135.794 χ^2/NDF:53.2/46

Out: -311.182+/-130.269 χ^2/NDF:94.0/53

All: -150.125+/-94.006 χ^2/NDF: 150.4/100

asym_sam_1548_avg_dit_correction_rms vs Slug, Sign Corrected



Right In: 774.863+/-0.168 χ^2/NDF: 5093926.5/23

Left Out: 698.237+/-0.113 χ^2/NDF:714686.8/24

Right Out: 742.757+/-0.158 χ^2/NDF: 6763907.7/28

Left In: 700.079+/-0.117 χ^2/NDF:584318.7/22

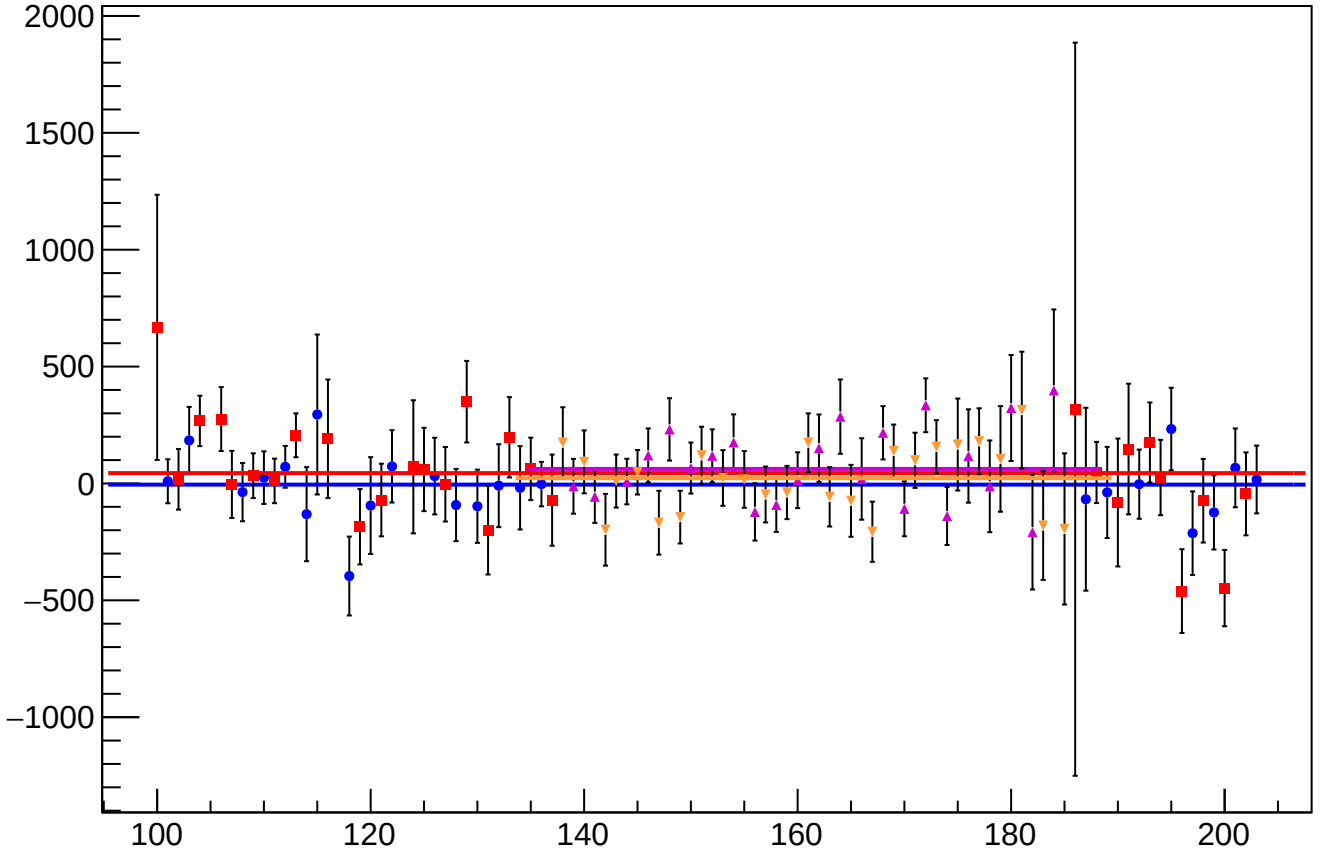
Left: 699.131+/-0.081 χ^2/NDF: 1299133.4/47

Right: 757.751+/-0.115 χ^2/NDF: 11877185.6/52

In: 724.367+/-0.096 χ^2/NDF:5811263.3/46

Out: 713.422+/-0.092 χ^2/NDF:7531093.6/53

All: 718.667+/-0.066 χ^2/NDF: 13349122.6/10



Right In: -5.050+/-29.858 χ^2/NDF: 14.3/23

Left Out: 22.544+/-26.643 χ^2/NDF:21.6/24

Right Out: 44.264+/-28.533 χ^2/NDF: 39.2/28

Left In: 62.169+/-27.339 χ^2/NDF:27.3/22

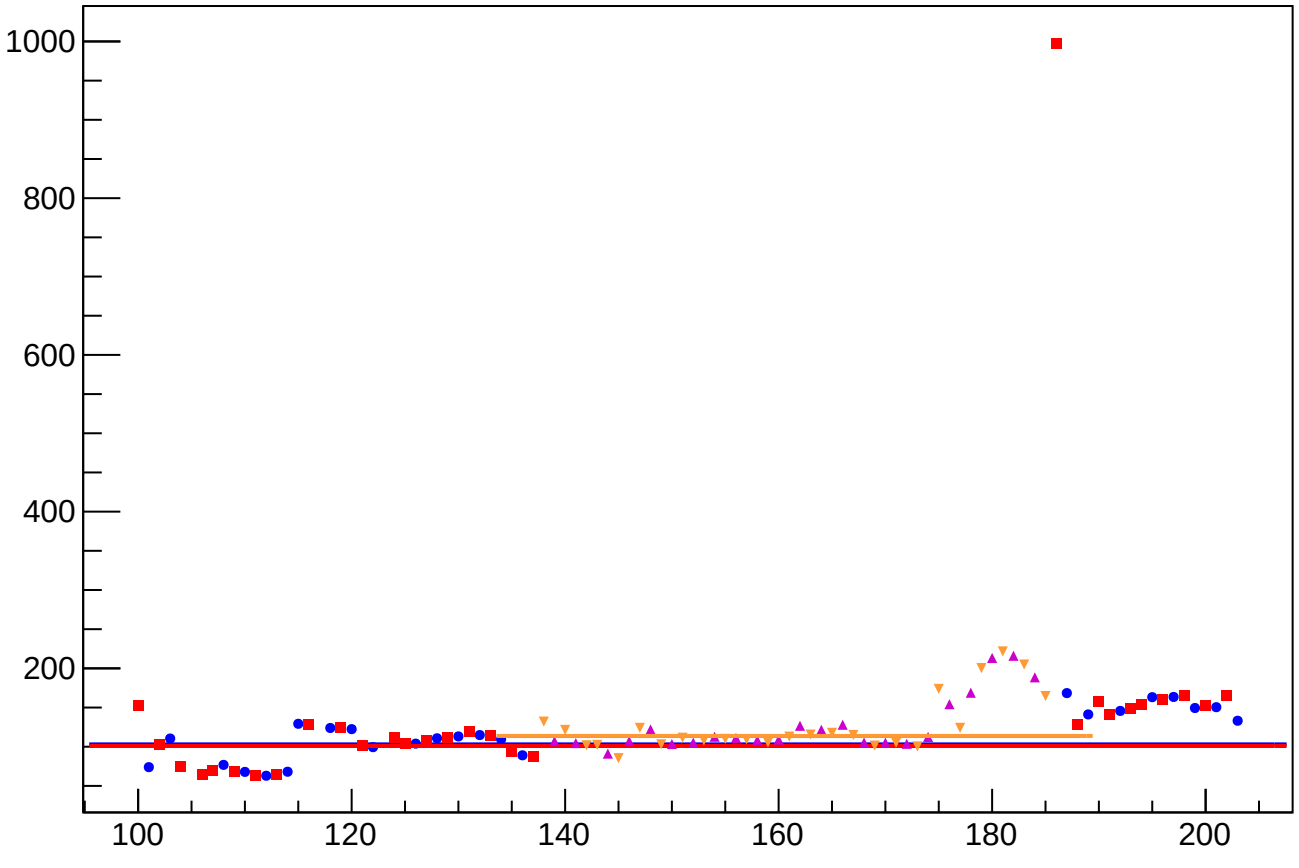
Left: 41.846+/-19.081 χ^2/NDF: 50.0/47

Right: 20.726+/-20.628 χ^2/NDF: 54.9/52

In: 31.514+/-20.163 χ^2/NDF:44.4/46

Out: 32.661+/-19.473 χ^2/NDF:61.1/53

All: 32.107+/-14.007 χ^2/NDF: 105.5/100



Right In: 102.994+/-0.021 χ^2/NDF: 2247057.9/23

Left Out: 113.766+/-0.019 χ^2/NDF:1579910.8/24

Right Out: 100.935+/-0.020 χ^2/NDF: 3533481.2/28

Left In: 113.677+/-0.019 χ^2/NDF:1316023.5/22

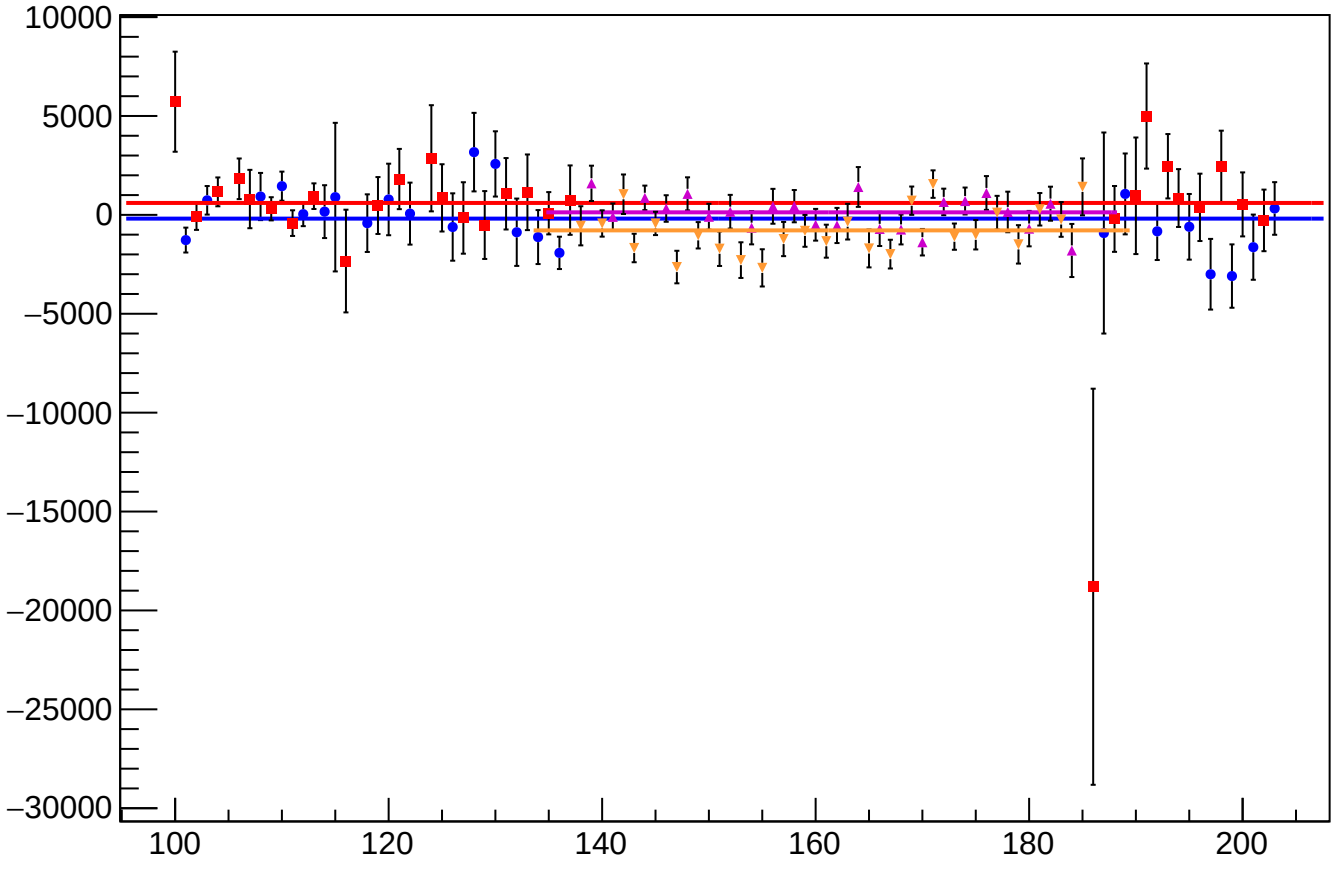
Left: 113.723+/-0.013 χ^2/NDF: 2895945.2/47

Right: 101.918+/-0.015 χ^2/NDF: 5785510.0/52

In: 108.805+/-0.014 χ^2/NDF:3702343.1/46

Out: 107.790+/-0.014 χ^2/NDF:5329443.1/53

All: 108.280+/-0.010 χ^2/NDF: 9034410.5/100



Right In: -189.829+/-238.281 χ^2/NDF: 29.3/23

Left Out: -784.284+/-160.482 χ^2/NDF:45.4/24

Right Out: 602.771+/-223.053 χ^2/NDF: 23.1/28

Left In: 128.154+/-165.255 χ^2/NDF:22.7/22

Left: -341.433+/-115.128 χ^2/NDF: 83.8/47

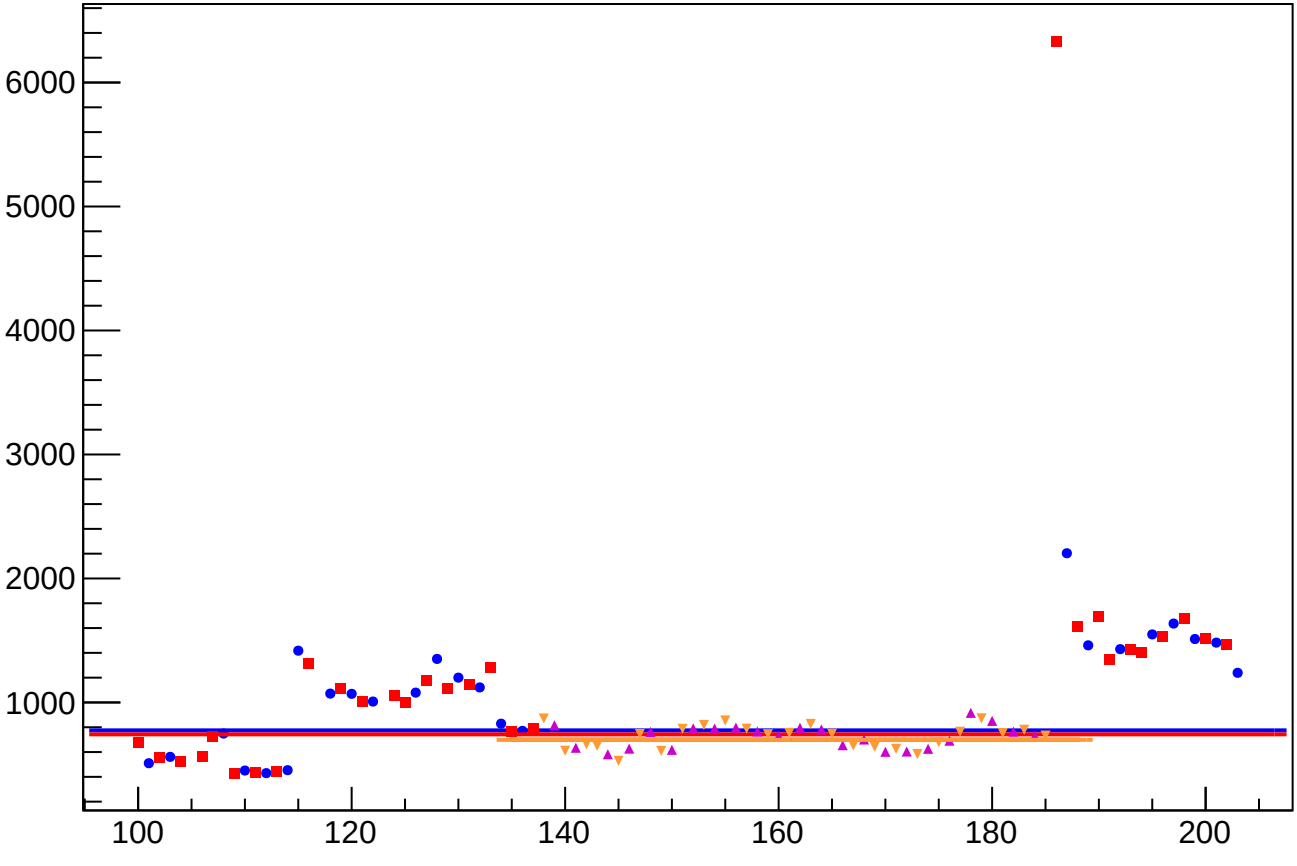
Right: 232.604+/-162.840 χ^2/NDF: 58.3/52

In: 24.881+/-135.794 χ^2/NDF:53.2/46

Out: -311.181+/-130.269 χ^2/NDF:94.0/53

All: -150.125+/-94.006 χ^2/NDF: 150.4/100

asym_sam_1548_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 774.862+/-0.168 χ^2/NDF: 5093926.5/23

Left Out: 698.236+/-0.113 χ^2/NDF:714685.1/24

Right Out: 742.756+/-0.158 χ^2/NDF: 6763903.8/28

Left In: 700.079+/-0.117 χ^2/NDF:584314.1/22

Left: 699.130+/-0.081 χ^2/NDF: 1299127.2/47

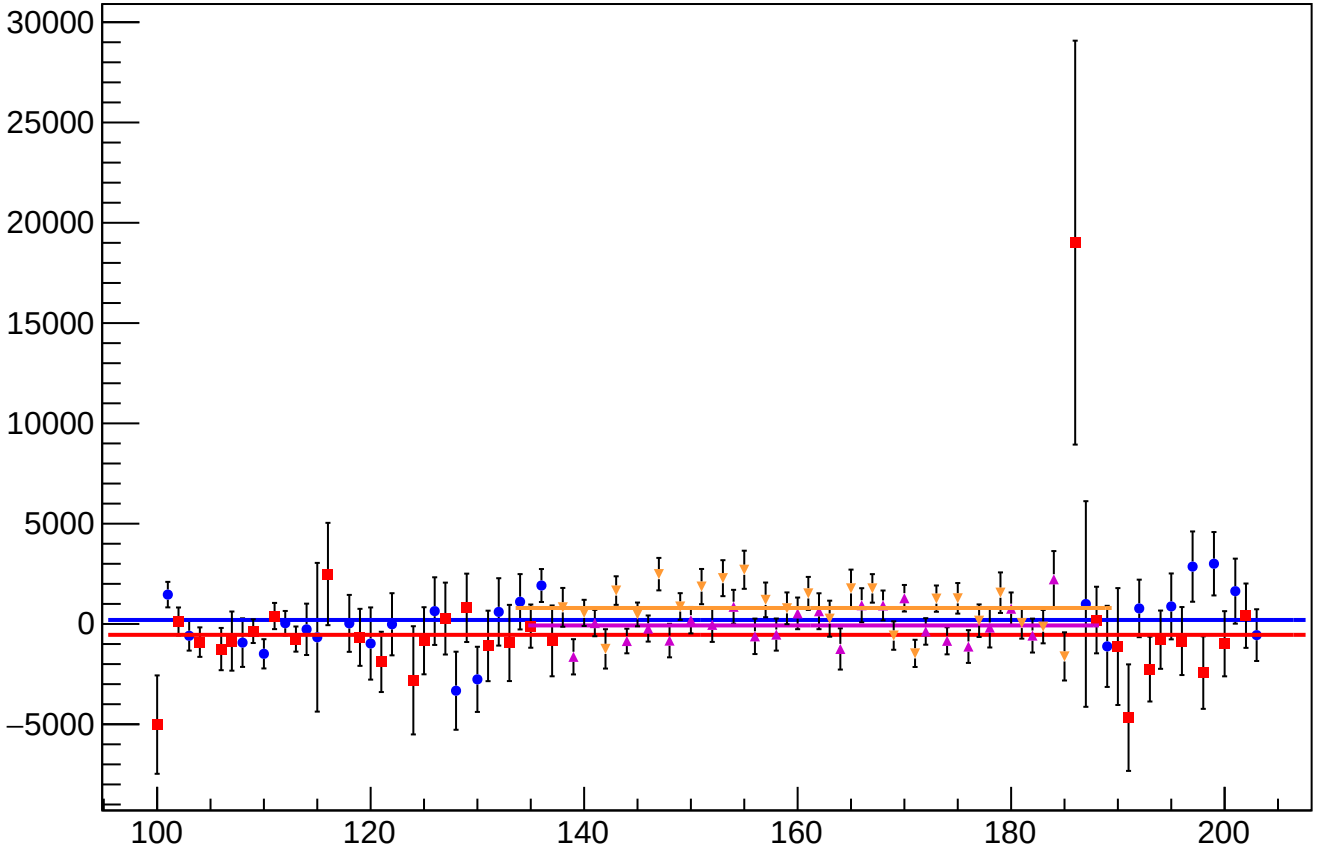
Right: 757.750+/-0.115 χ^2/NDF: 11877181.6/52

In: 724.366+/-0.096 χ^2/NDF:5811257.9/46

Out: 713.421+/-0.092 χ^2/NDF:7531088.1/53

All: 718.667+/-0.066 χ^2/NDF: 13349111.9/10

asym_sam_1548_avg_mean vs Slug, Sign Corrected



Right In: 199.685+/-237.934 χ^2/NDF: 30.9/23

Left Out: 796.905+/-158.142 χ^2/NDF:46.4/24

Right Out: -542.014+/-222.987 χ^2/NDF: 20.5/28

Left In: -73.501+/-162.879 χ^2/NDF:24.9/22

Left: 374.544+/-113.461 χ^2/NDF: 86.0/47

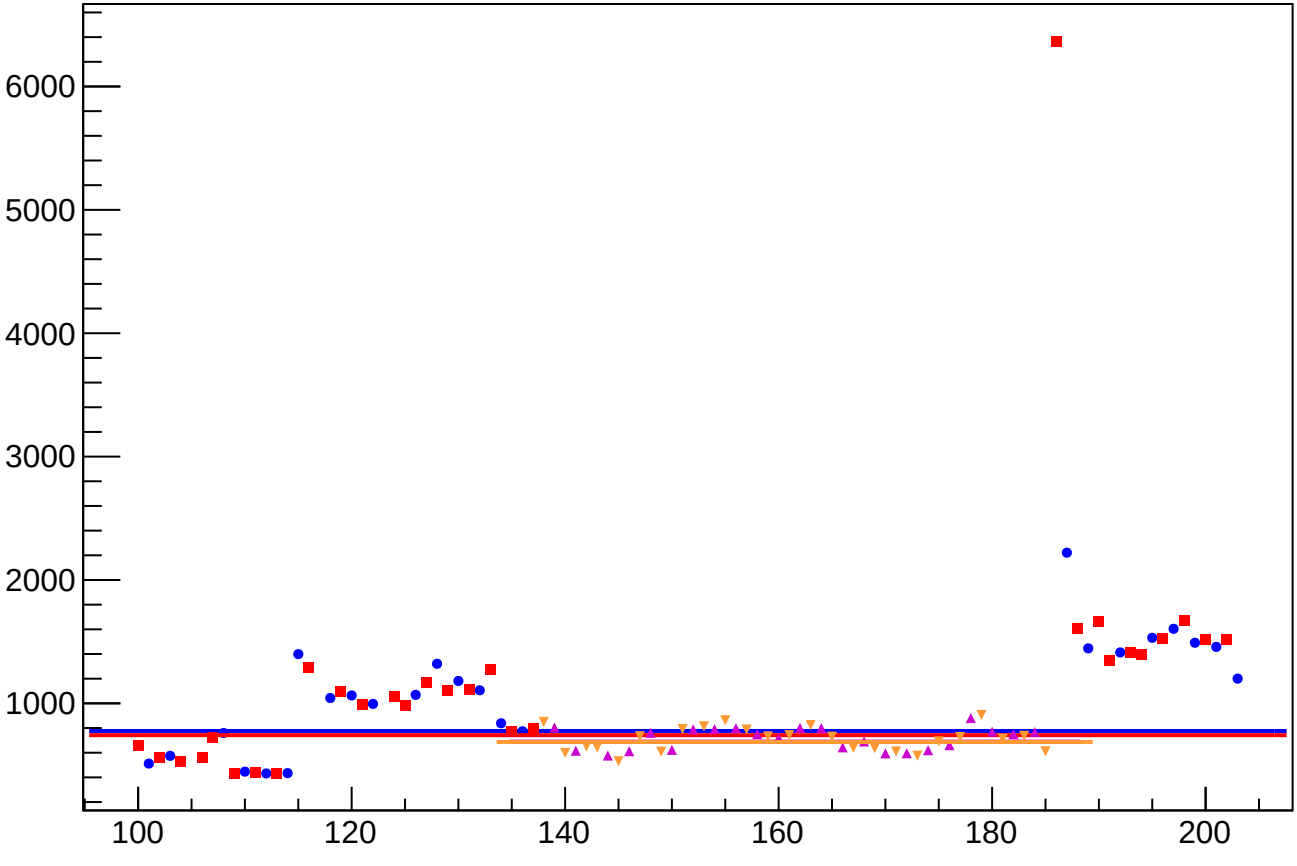
Right: -195.192+/-162.703 χ^2/NDF: 56.6/52

In: 13.669+/-134.404 χ^2/NDF:56.7/46

Out: 348.841+/-128.995 χ^2/NDF:90.9/53

All: 188.135+/-93.067 χ^2/NDF: 150.8/100

asym_sam_1548_avg_rms vs Slug, Sign Corrected



Right In: 775.944+/-0.168 χ^2/NDF: 4945693.0/23

Left Out: 687.243+/-0.112 χ^2/NDF:727994.0/24

Right Out: 742.093+/-0.158 χ^2/NDF: 6740295.8/28

Left In: 689.997+/-0.115 χ^2/NDF:567089.0/22

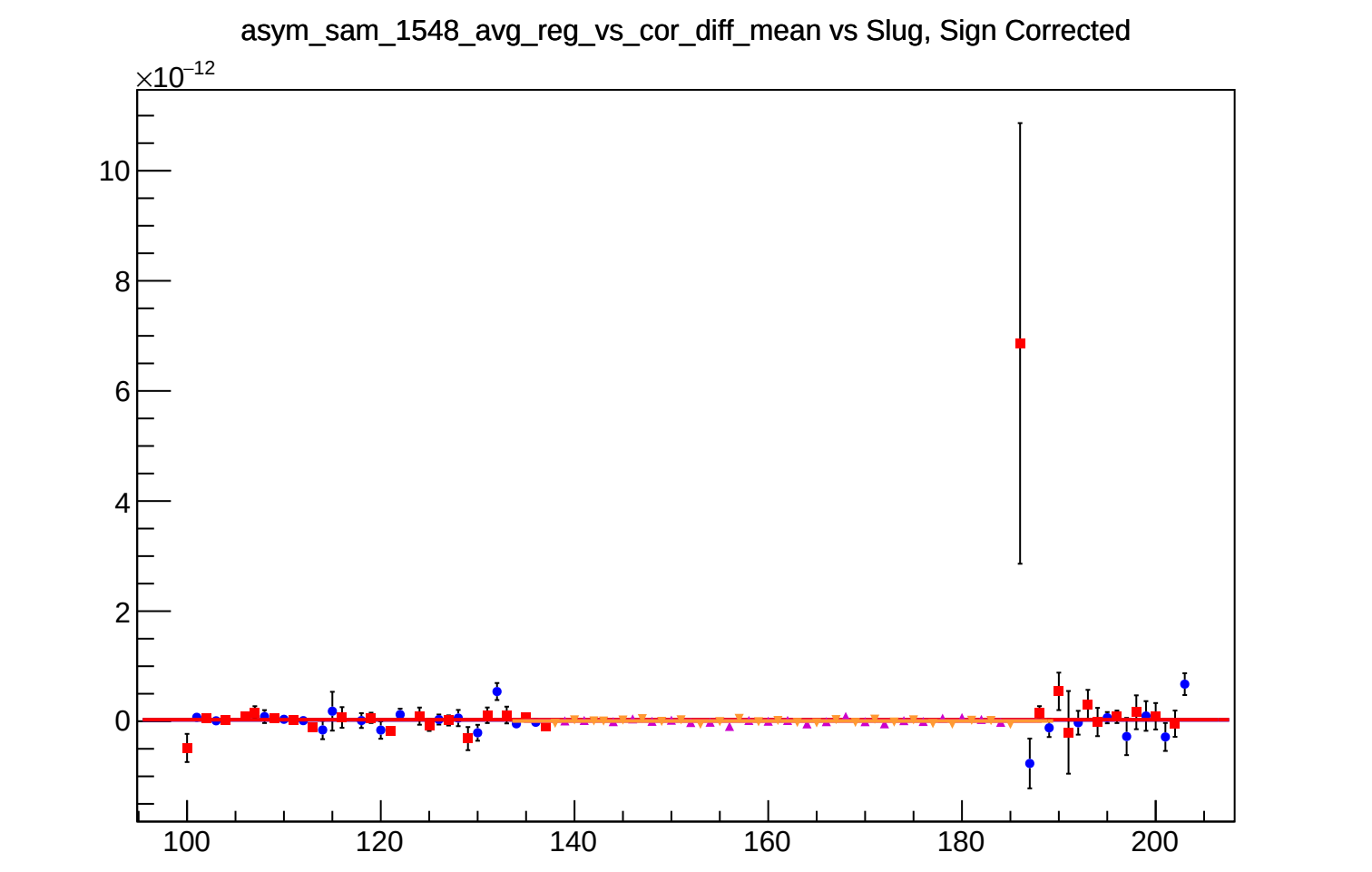
Left: 688.579+/-0.080 χ^2/NDF: 1295377.3/47

Right: 757.922+/-0.115 χ^2/NDF: 11707541.1/52

In: 717.421+/-0.095 χ^2/NDF:5690474.8/46

Out: 705.598+/-0.091 χ^2/NDF:7548804.8/53

All: 711.267+/-0.066 χ^2/NDF: 13247335.6/10



Right In: 0.000+/-0.000 χ^2/NDF: 40.8/23

Left Out: 0.000+/-0.000 χ^2/NDF:22.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 34.1/28

Left In: 0.000+/-0.000 χ^2/NDF:26.4/22

Left: 0.000+/-0.000 χ^2/NDF: 48.4/47

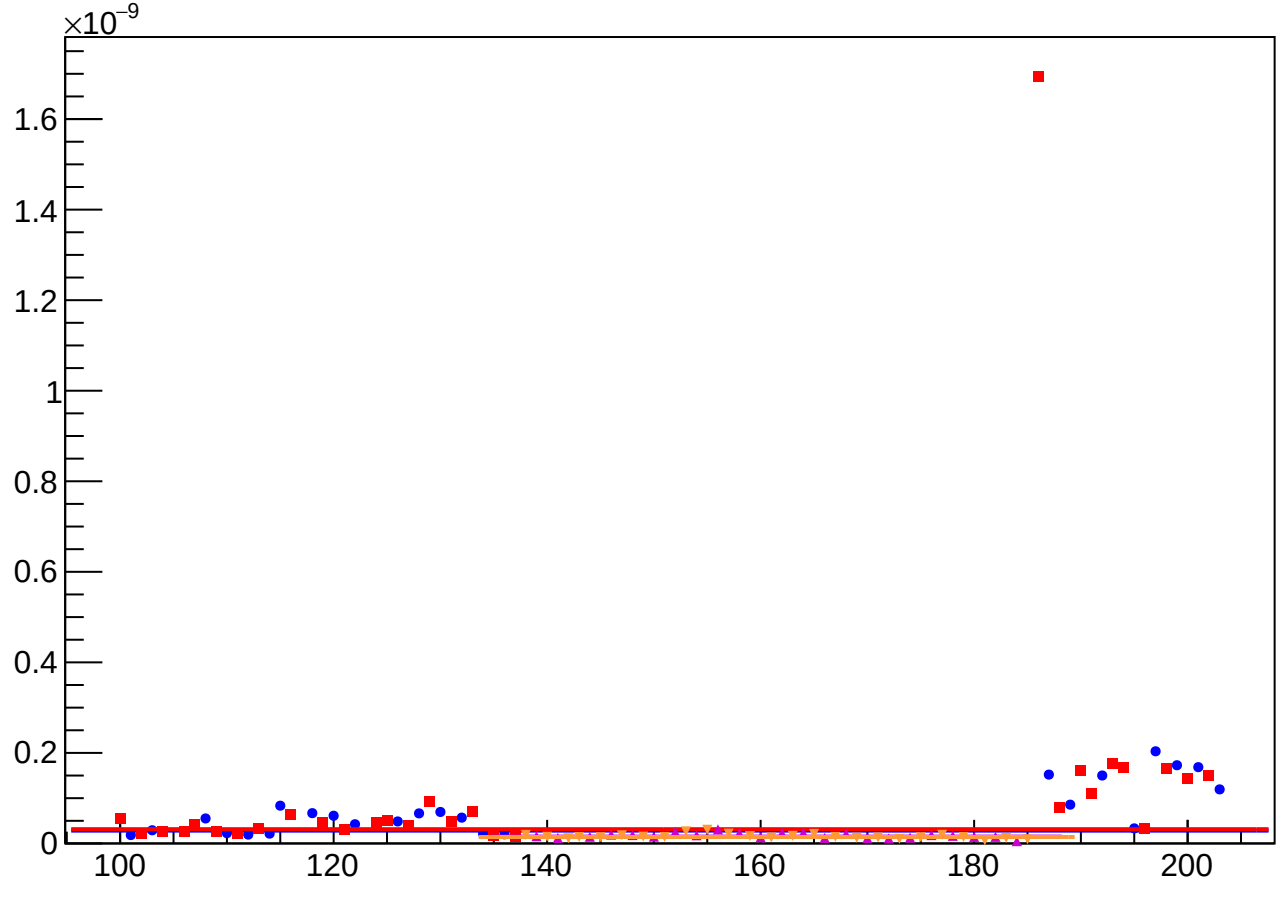
Right: 0.000+/-0.000 χ^2/NDF: 74.9/52

In: 0.000+/-0.000 χ^2/NDF:68.6/46

Out: 0.000+/-0.000 χ^2/NDF:58.0/53

All: 0.000+/-0.000 χ^2/NDF: 126.6/100

asym_sam_1548_avg_reg_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 4570546.0/23

Left Out: 0.000+/-0.000 χ^2/NDF:992947.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 4570823.4/28

Left In: 0.000+/-0.000 χ^2/NDF:1107168.2/22

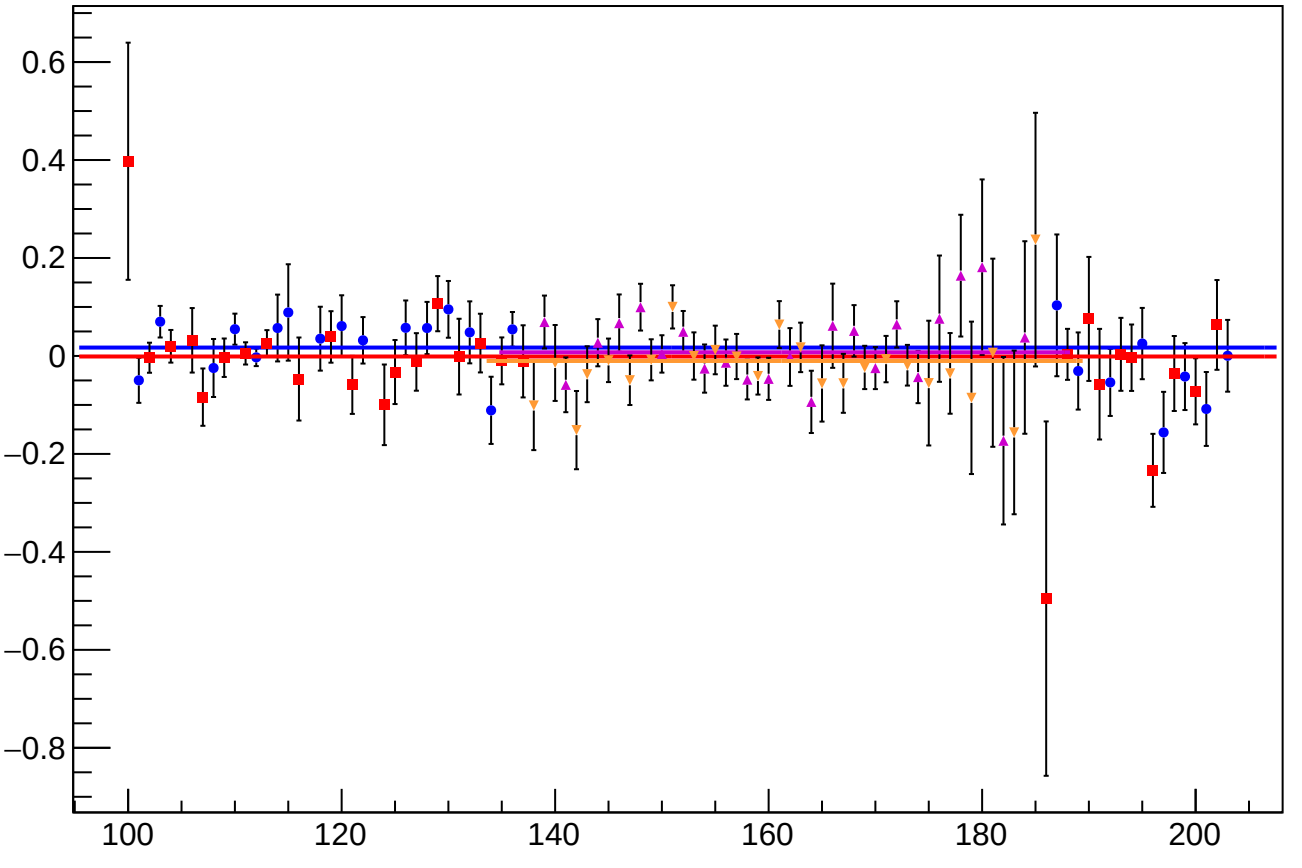
Left: 0.000+/-0.000 χ^2/NDF: 2124302.0/47

Right: 0.000+/-0.000 χ^2/NDF: 9182721.8/52

In: 0.000+/-0.000 χ^2/NDF:7038178.6/46

Out: 0.000+/-0.000 χ^2/NDF:7664384.4/53

All: 0.000+/-0.000 χ^2/NDF: 14727828.9/100



Right In: 0.017+/-0.010 χ^2/NDF: 27.0/23

Left Out: -0.010+/-0.011 χ^2/NDF:18.1/24

Right Out: -0.001+/-0.010 χ^2/NDF: 28.0/28

Left In: 0.008+/-0.011 χ^2/NDF:23.3/22

Left: -0.001+/-0.008 χ^2/NDF: 42.6/47

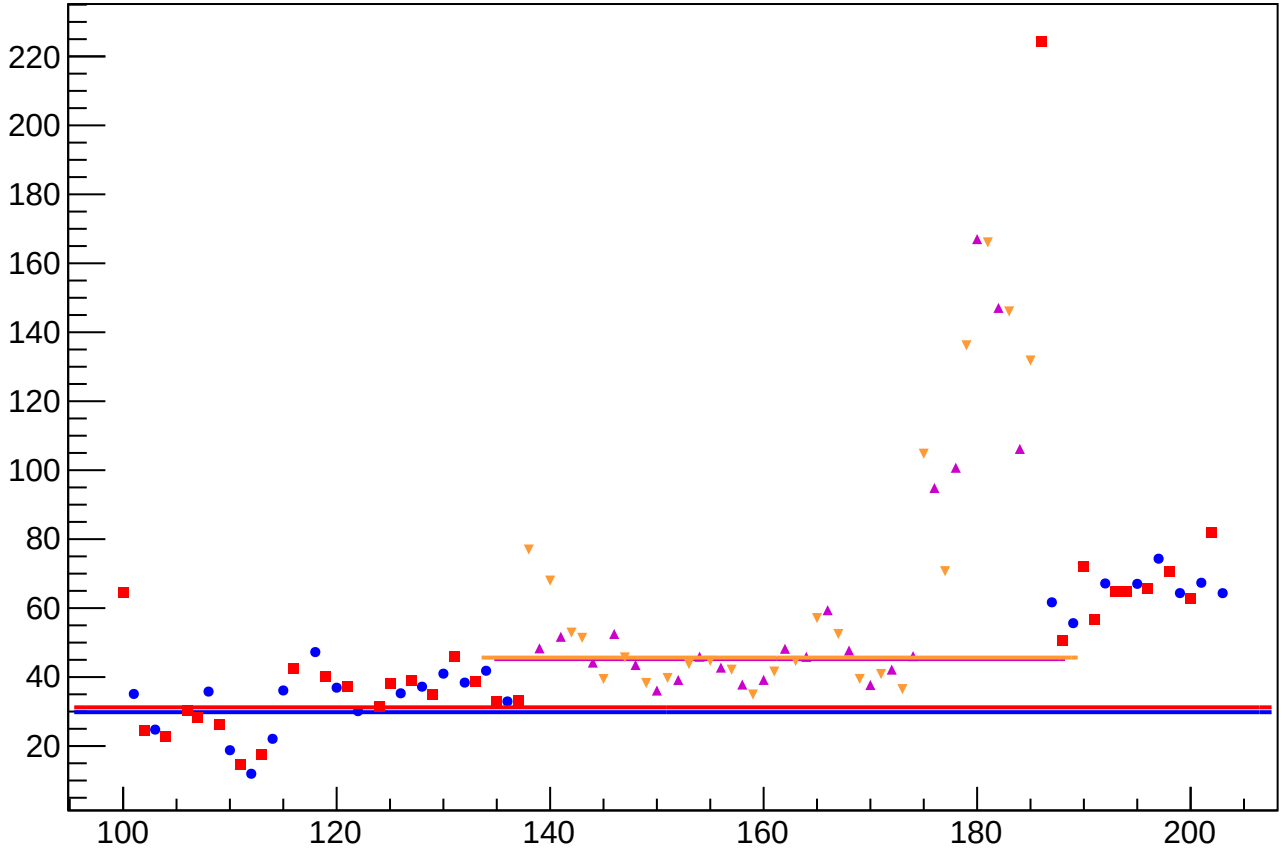
Right: 0.008+/-0.007 χ^2/NDF: 56.8/52

In: 0.013+/-0.007 χ^2/NDF:50.7/46

Out: -0.005+/-0.007 χ^2/NDF:46.4/53

All: 0.004+/-0.005 χ^2/NDF: 100.1/100

asym_sam_1548_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 29.816+/-0.007 χ^2/NDF: 6238072.5/23

Left Out: 45.650+/-0.008 χ^2/NDF:4015230.2/24

Right Out: 31.224+/-0.007 χ^2/NDF: 6271489.6/28

Left In: 45.217+/-0.008 χ^2/NDF:2992534.4/22

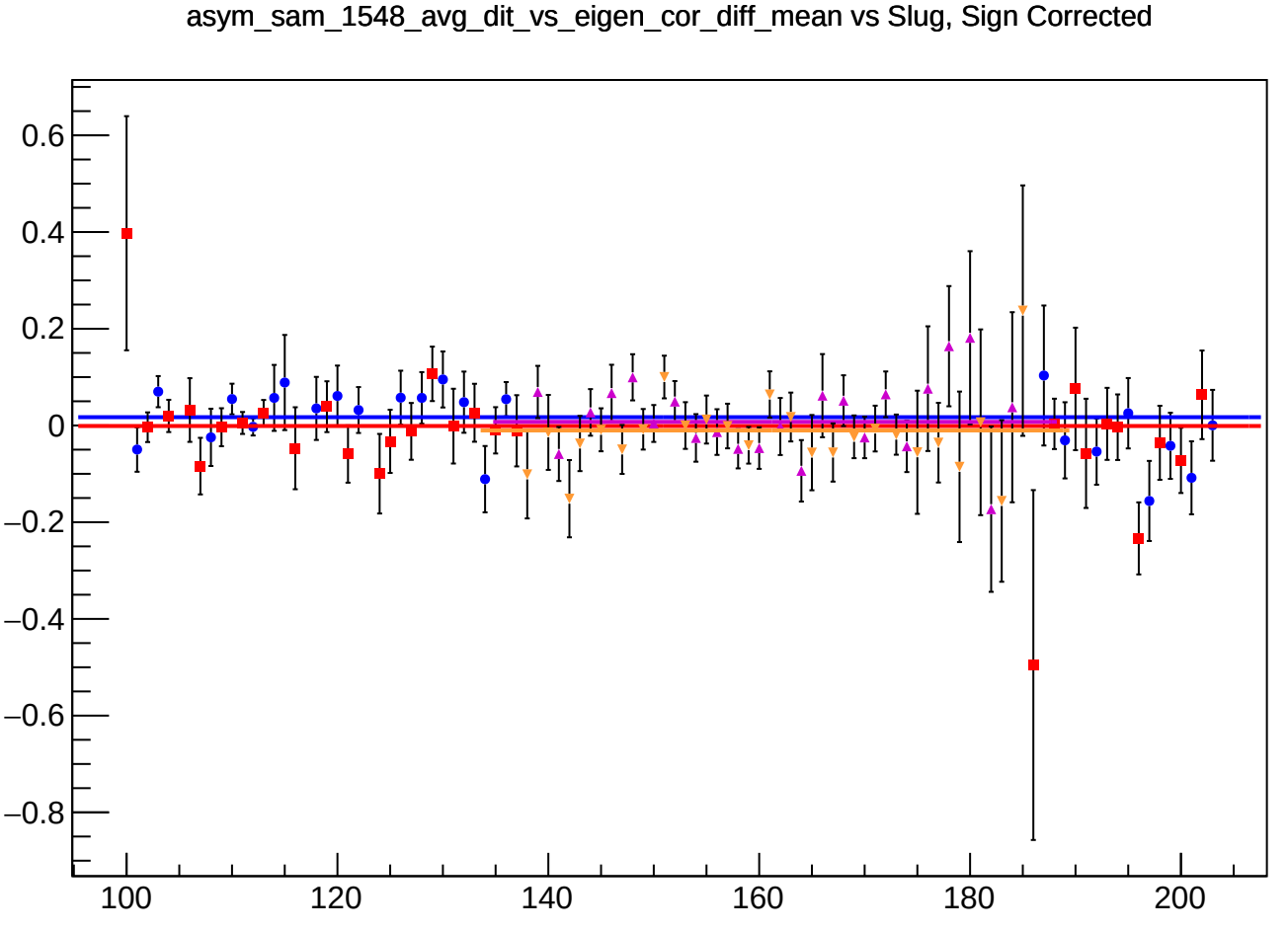
Left: 45.436+/-0.006 χ^2/NDF: 7009219.9/47

Right: 30.529+/-0.005 χ^2/NDF: 12530957.0/52

In: 36.264+/-0.005 χ^2/NDF:11346810.6/46

Out: 37.257+/-0.005 χ^2/NDF:12191679.3/53

All: 36.767+/-0.004 χ^2/NDF: 23556807.7/100



Right In: 0.017+/-0.010 χ^2/NDF: 27.0/23

Left Out: -0.010+/-0.011 χ^2/NDF:18.1/24

Right Out: -0.001+/-0.010 χ^2/NDF: 28.0/28

Left In: 0.008+/-0.011 χ^2/NDF:23.3/22

Left: -0.001+/-0.008 χ^2/NDF: 42.6/47

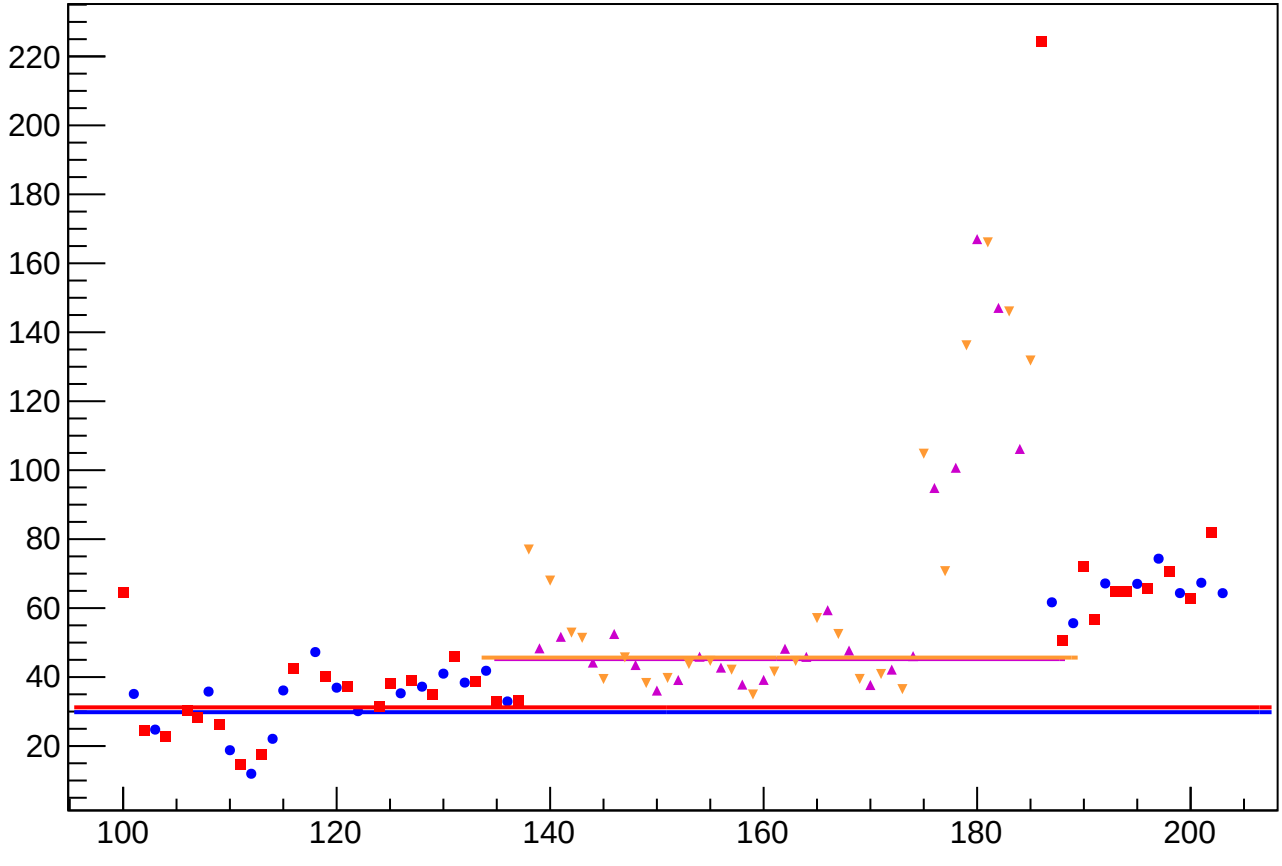
Right: 0.008+/-0.007 χ^2/NDF: 56.8/52

In: 0.013+/-0.007 χ^2/NDF:50.7/46

Out: -0.005+/-0.007 χ^2/NDF:46.4/53

All: 0.004+/-0.005 χ^2/NDF: 100.1/100

asym_sam_1548_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 29.816+/-0.007 χ^2/NDF: 6238072.5/23

Left Out: 45.650+/-0.008 χ^2/NDF:4015230.2/24

Right Out: 31.224+/-0.007 χ^2/NDF: 6271489.6/28

Left In: 45.217+/-0.008 χ^2/NDF:2992534.4/22

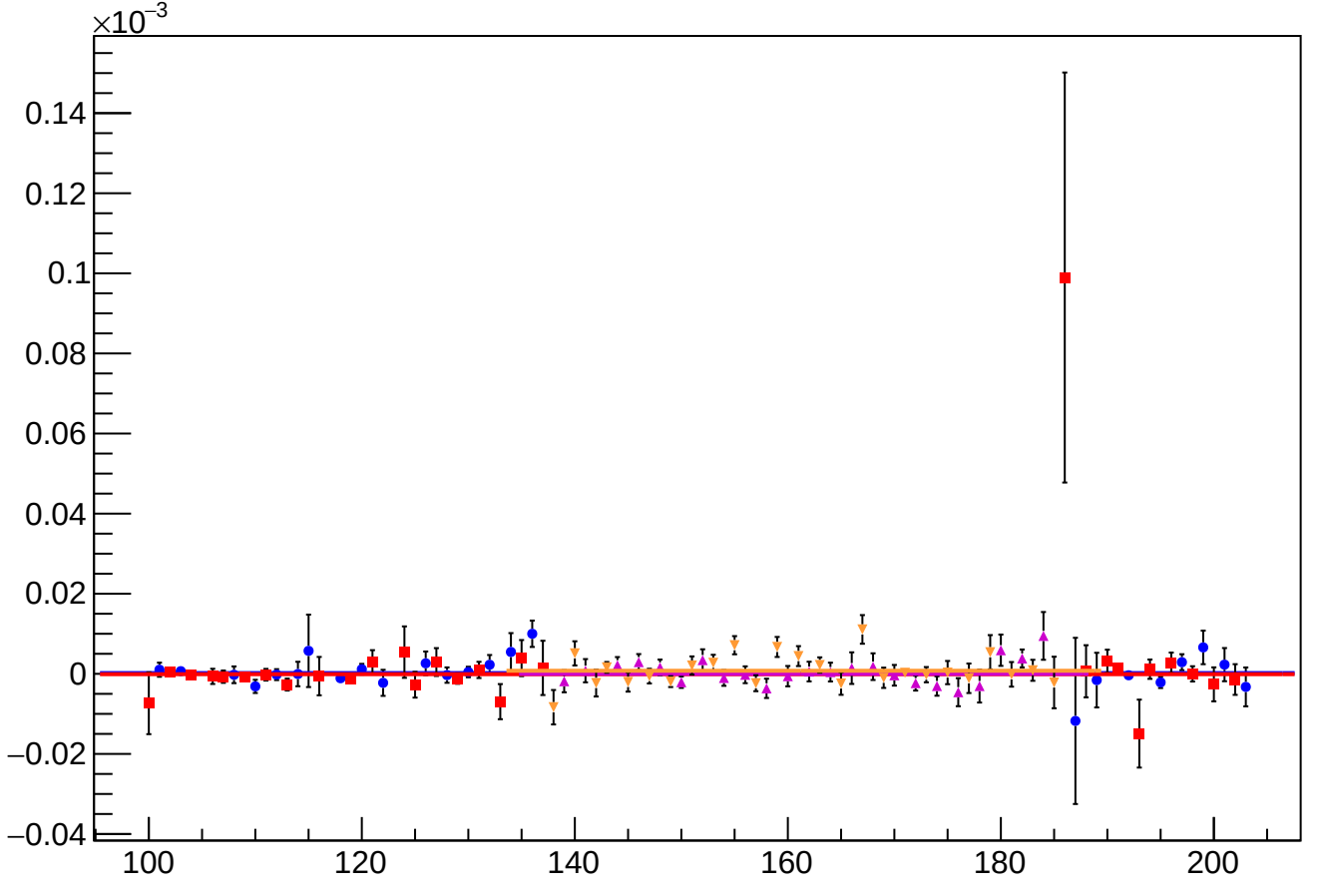
Left: 45.436+/-0.006 χ^2/NDF: 7009219.9/47

Right: 30.529+/-0.005 χ^2/NDF: 12530957.0/52

In: 36.264+/-0.005 χ^2/NDF:11346810.6/46

Out: 37.257+/-0.005 χ^2/NDF:12191679.3/53

All: 36.767+/-0.004 χ^2/NDF: 23556807.7/100



Right In: 0.000+/-0.000 χ^2/NDF: 27.7/23

Left Out: 0.000+/-0.000 χ^2/NDF:46.2/24

Right Out: -0.000+/-0.000 χ^2/NDF: 27.0/28

Left In: -0.000+/-0.000 χ^2/NDF:24.5/22

Left: 0.000+/-0.000 χ^2/NDF: 72.0/47

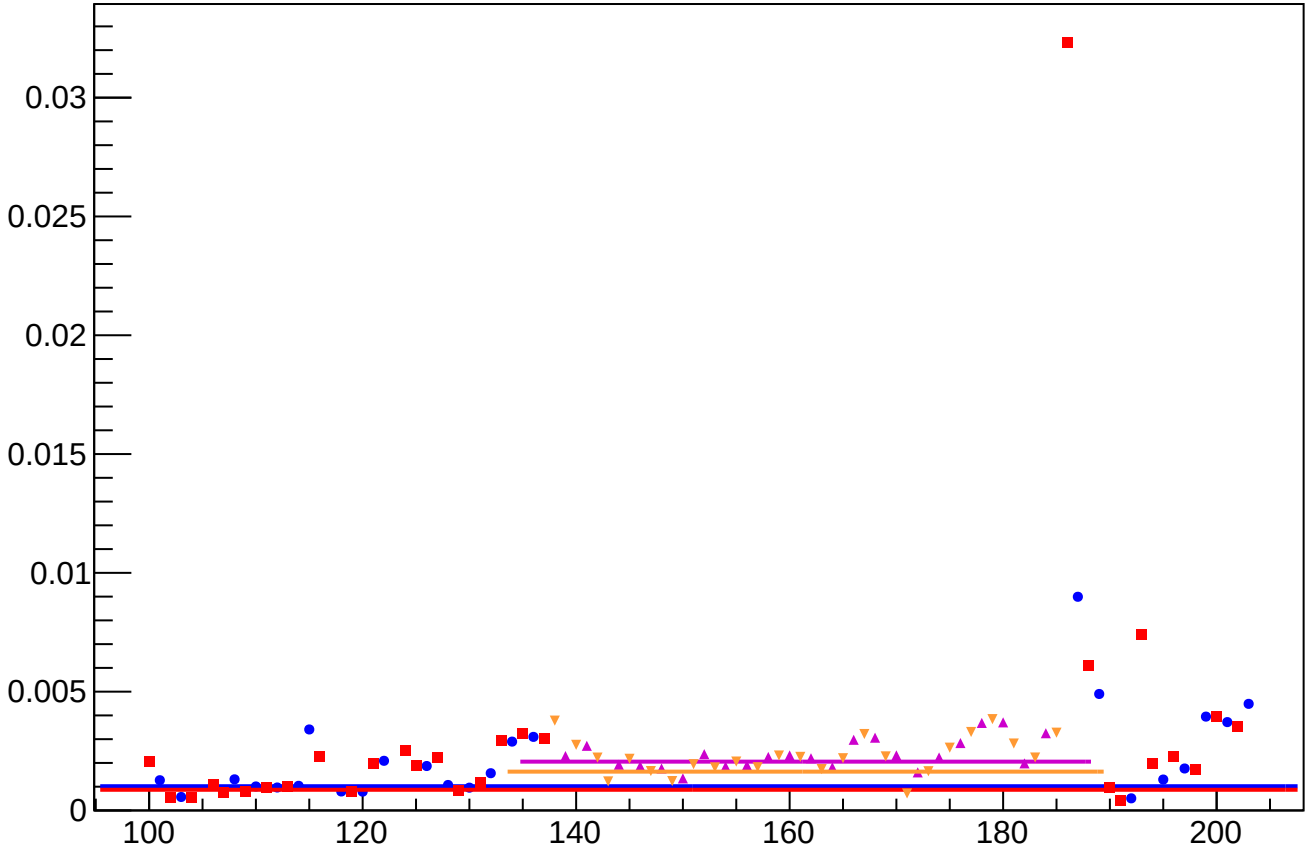
Right: 0.000+/-0.000 χ^2/NDF: 55.1/52

In: 0.000+/-0.000 χ^2/NDF:52.3/46

Out: 0.000+/-0.000 χ^2/NDF:76.0/53

All: 0.000+/-0.000 χ^2/NDF: 128.3/100

asym_sam_1548_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.001+/-0.000 χ^2/NDF: 7324688.0/23

Left Out: 0.002+/-0.000 χ^2/NDF:6495366.7/24

Right Out: 0.001+/-0.000 χ^2/NDF: 10691447.2/28

Left In: 0.002+/-0.000 χ^2/NDF:2093048.8/22

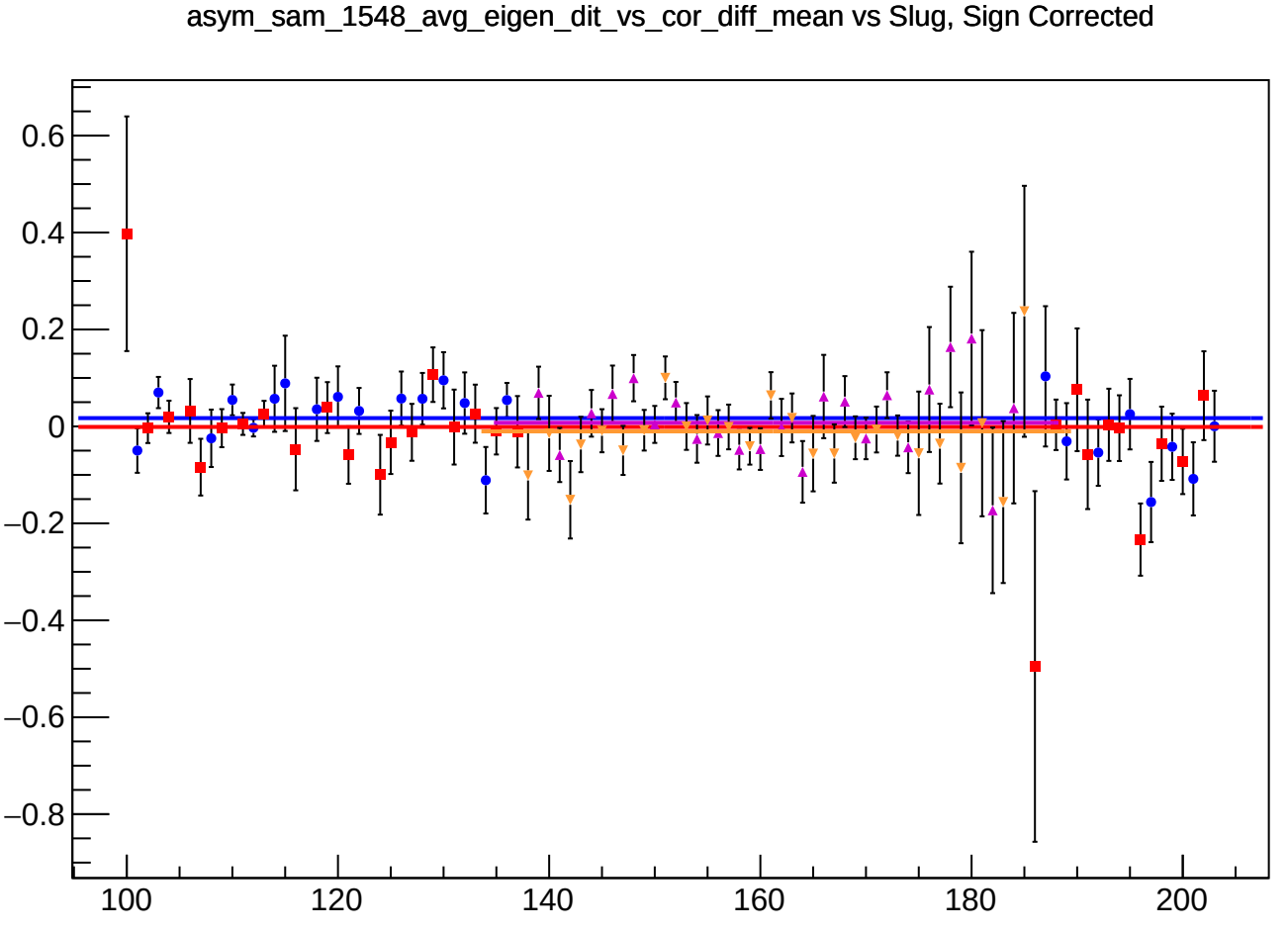
Left: 0.002+/-0.000 χ^2/NDF: 9430299.1/47

Right: 0.001+/-0.000 χ^2/NDF: 18224840.9/52

In: 0.001+/-0.000 χ^2/NDF:15106225.9/46

Out: 0.001+/-0.000 χ^2/NDF:21677261.2/53

All: 0.001+/-0.000 χ^2/NDF: 37514435.5/100



Right In: 0.017+/-0.010 χ^2/NDF: 27.0/23

Left Out: -0.010+/-0.011 χ^2/NDF:18.1/24

Right Out: -0.001+/-0.010 χ^2/NDF: 28.0/28

Left In: 0.008+/-0.011 χ^2/NDF:23.3/22

Left: -0.001+/-0.008 χ^2/NDF: 42.6/47

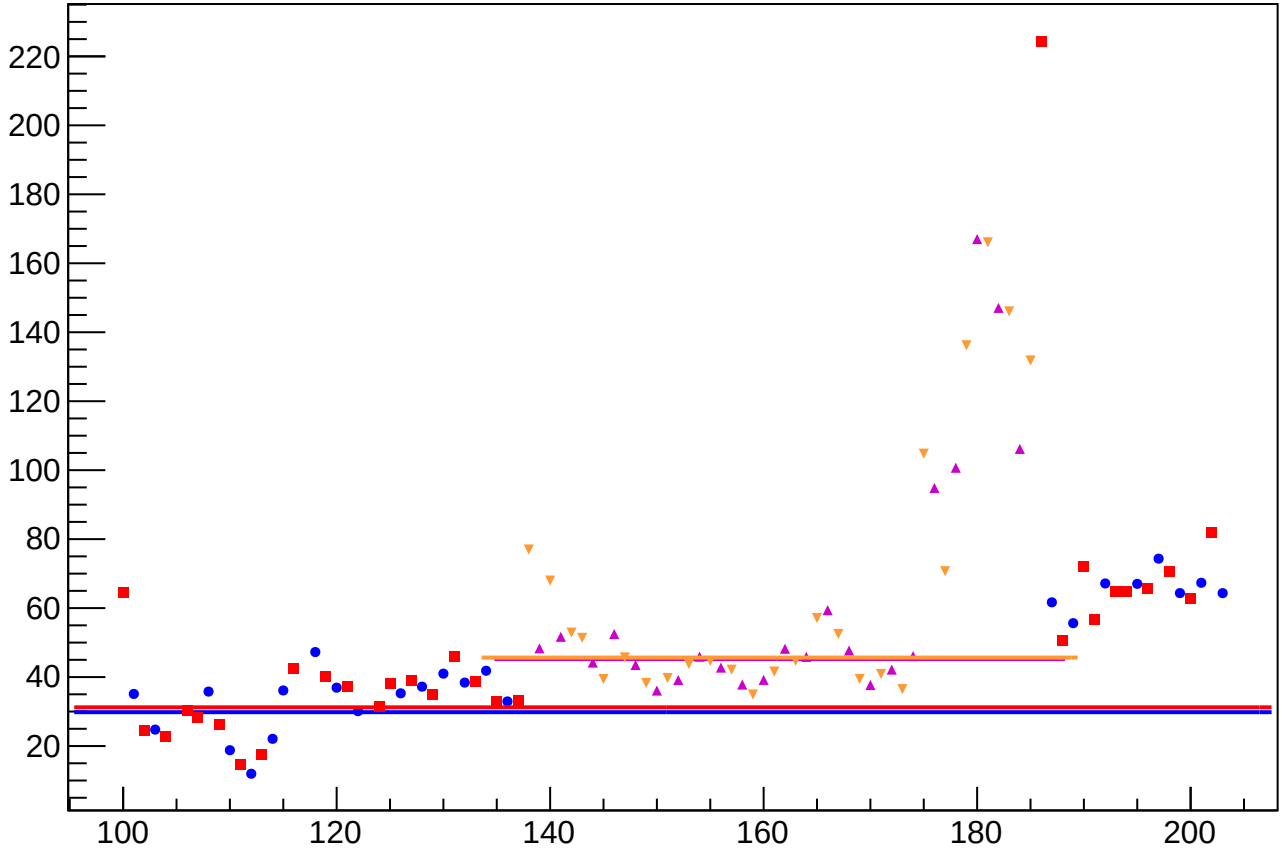
Right: 0.008+/-0.007 χ^2/NDF: 56.8/52

In: 0.013+/-0.007 χ^2/NDF:50.7/46

Out: -0.005+/-0.007 χ^2/NDF:46.4/53

All: 0.004+/-0.005 χ^2/NDF: 100.1/100

asym_sam_1548_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 29.815+/-0.007 χ^2/NDF: 6238303.6/23

Left Out: 45.651+/-0.008 χ^2/NDF:4015154.4/24

Right Out: 31.223+/-0.007 χ^2/NDF: 6271723.9/28

Left In: 45.218+/-0.008 χ^2/NDF:2992449.1/22

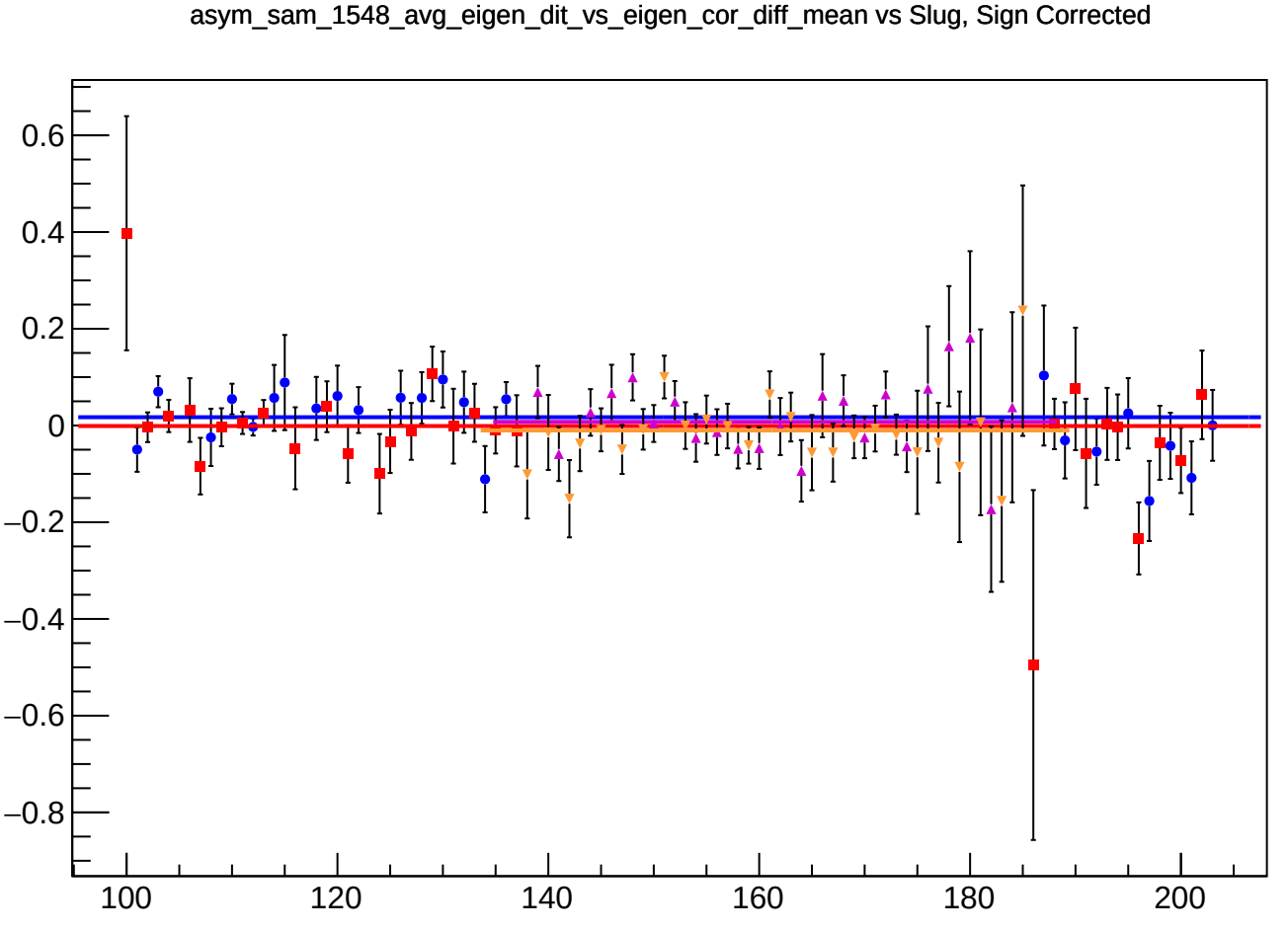
Left: 45.437+/-0.006 χ^2/NDF: 7009058.4/47

Right: 30.529+/-0.005 χ^2/NDF: 12531427.7/52

In: 36.263+/-0.005 χ^2/NDF:11347250.3/46

Out: 37.257+/-0.005 χ^2/NDF:12192056.9/53

All: 36.766+/-0.004 χ^2/NDF: 23557630.1/100



Right In: 0.017+/-0.010 χ^2/NDF: 27.0/23

Left Out: -0.010+/-0.011 χ^2/NDF:18.1/24

Right Out: -0.001+/-0.010 χ^2/NDF: 28.0/28

Left In: 0.008+/-0.011 χ^2/NDF:23.3/22

Left: -0.001+/-0.008 χ^2/NDF: 42.6/47

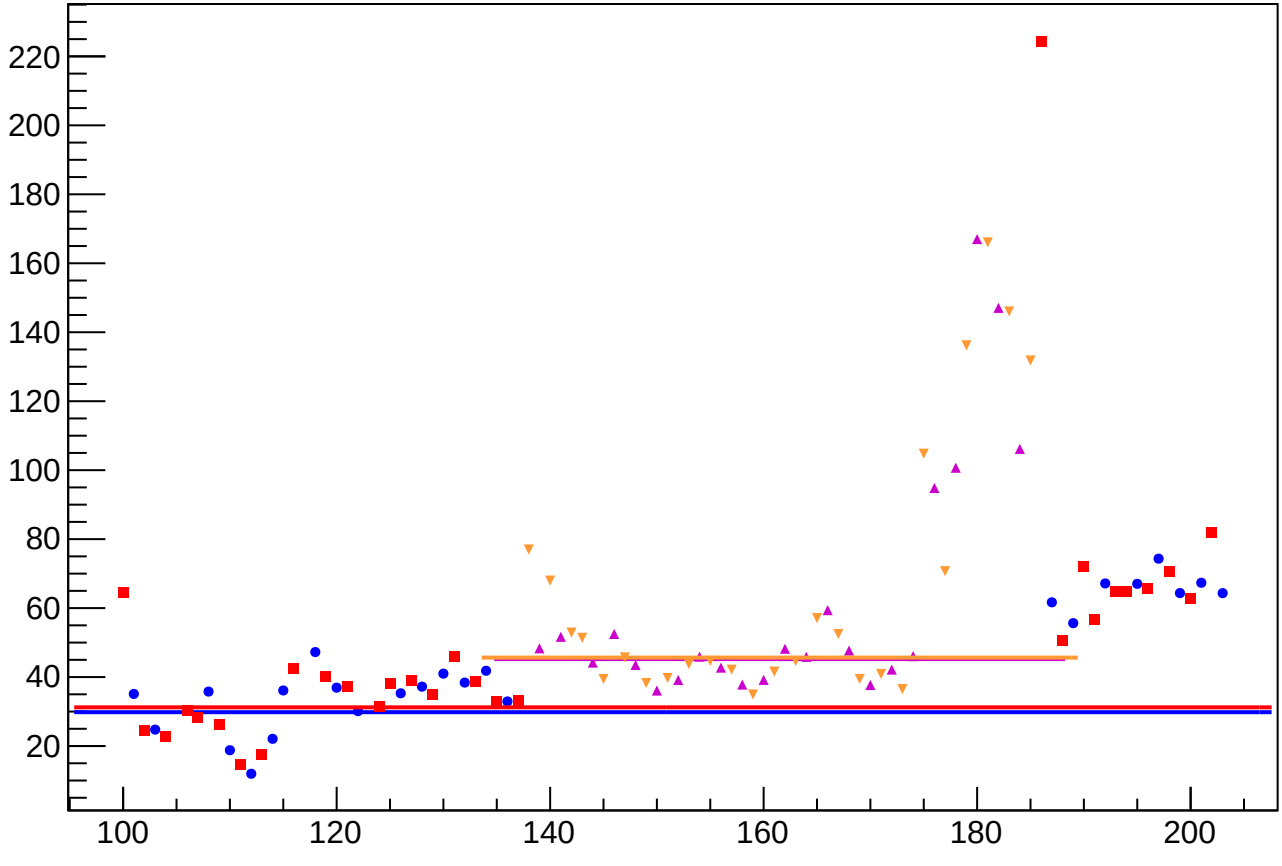
Right: 0.008+/-0.007 χ^2/NDF: 56.8/52

In: 0.013+/-0.007 χ^2/NDF:50.7/46

Out: -0.005+/-0.007 χ^2/NDF:46.4/53

All: 0.004+/-0.005 χ^2/NDF: 100.1/100

asym_sam_1548_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 29.815+/-0.007 χ^2/NDF: 6238303.6/23

Left Out: 45.651+/-0.008 χ^2/NDF:4015154.4/24

Right Out: 31.223+/-0.007 χ^2/NDF: 6271723.9/28

Left In: 45.218+/-0.008 χ^2/NDF:2992449.1/22

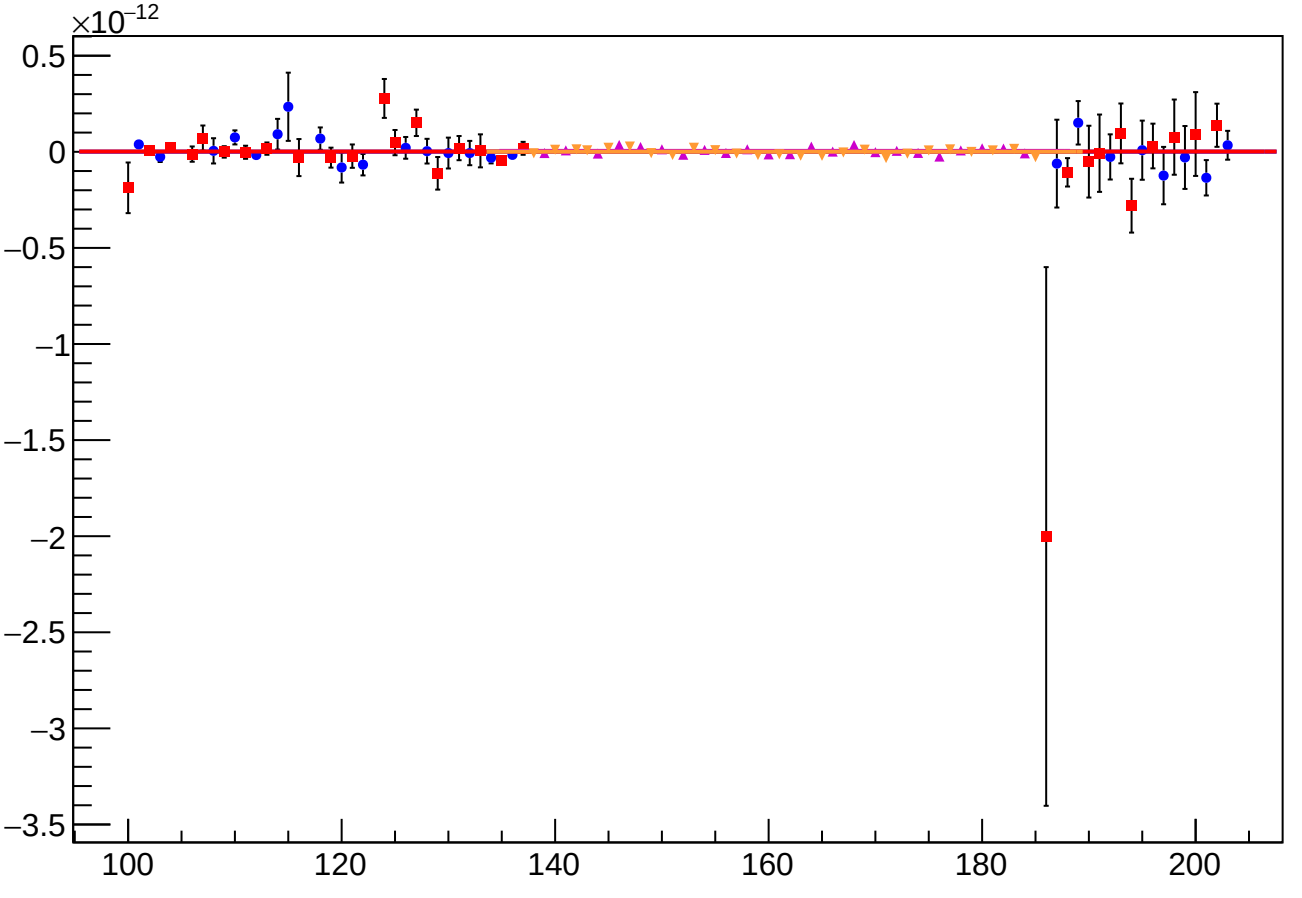
Left: 45.437+/-0.006 χ^2/NDF: 7009058.4/47

Right: 30.529+/-0.005 χ^2/NDF: 12531427.7/52

In: 36.263+/-0.005 χ^2/NDF:11347250.3/46

Out: 37.257+/-0.005 χ^2/NDF:12192056.9/53

All: 36.766+/-0.004 χ^2/NDF: 23557630.1/100



Right In: 0.000+/-0.000 χ^2/NDF: 23.7/23

Left Out: 0.000+/-0.000 χ^2/NDF:25.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 34.1/28

Left In: 0.000+/-0.000 χ^2/NDF:23.7/22

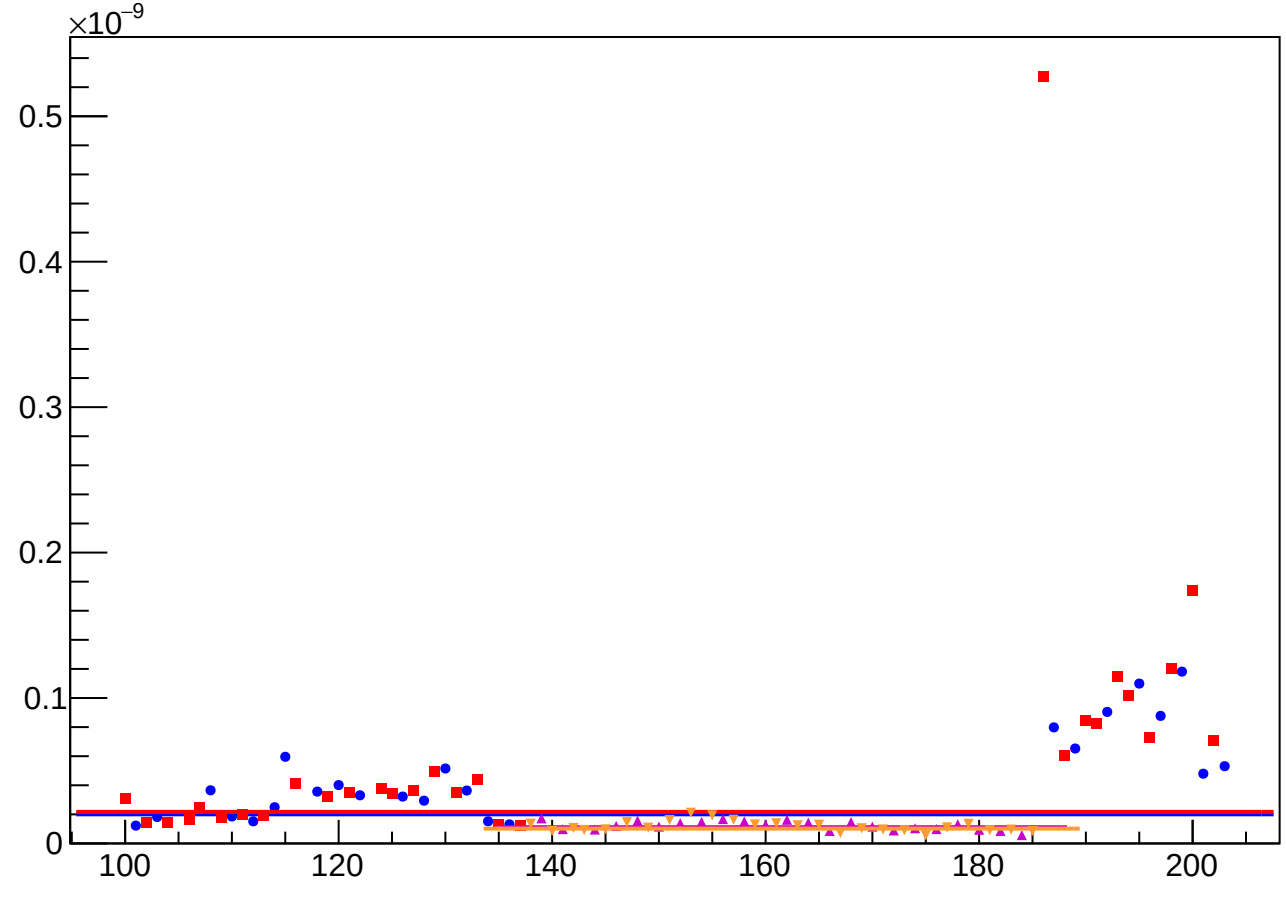
Left: 0.000+/-0.000 χ^2/NDF: 49.9/47

Right: 0.000+/-0.000 χ^2/NDF: 57.8/52

In: 0.000+/-0.000 χ^2/NDF:47.6/46

Out: 0.000+/-0.000 χ^2/NDF:59.5/53

All: 0.000+/-0.000 χ^2/NDF: 107.8/100



Right In: 0.000+/-0.000 χ^2/NDF: 5560020.7/23

Left Out: 0.000+/-0.000 χ^2/NDF:2257651.3/24

Right Out: 0.000+/-0.000 χ^2/NDF: 6628377.2/28

Left In: 0.000+/-0.000 χ^2/NDF:1536588.2/22

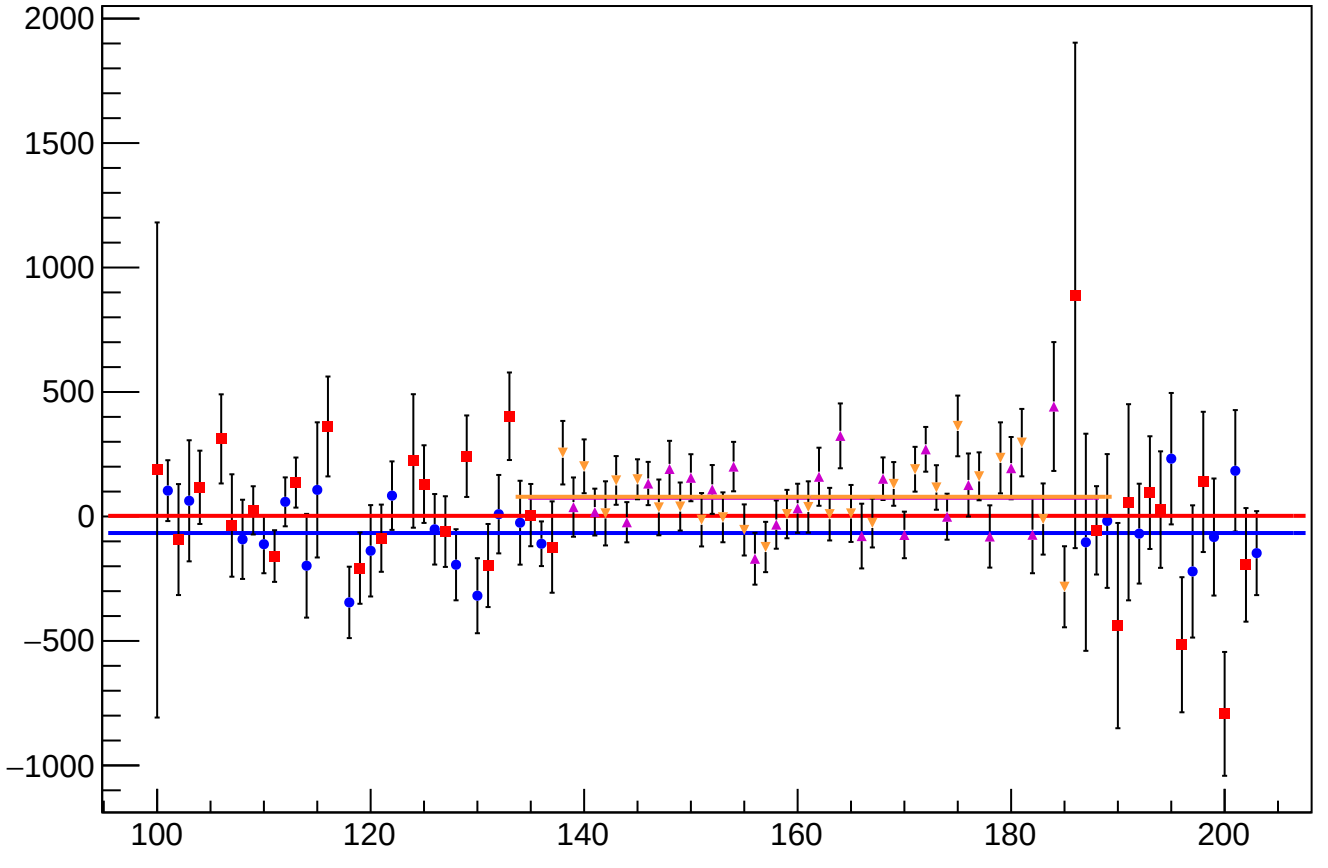
Left: 0.000+/-0.000 χ^2/NDF: 3895034.6/47

Right: 0.000+/-0.000 χ^2/NDF: 12225641.6/52

In: 0.000+/-0.000 χ^2/NDF:9012071.6/46

Out: 0.000+/-0.000 χ^2/NDF:11883115.6/53

All: 0.000+/-0.000 χ^2/NDF: 21003337.4/100



Right In: -66.476+/-32.390 χ^2/NDF: 17.0/23

Left Out: 79.098+/-21.102 χ^2/NDF:32.0/24

Right Out: 2.546+/-31.667 χ^2/NDF: 41.7/28

Left In: 75.048+/-21.837 χ^2/NDF:32.6/22

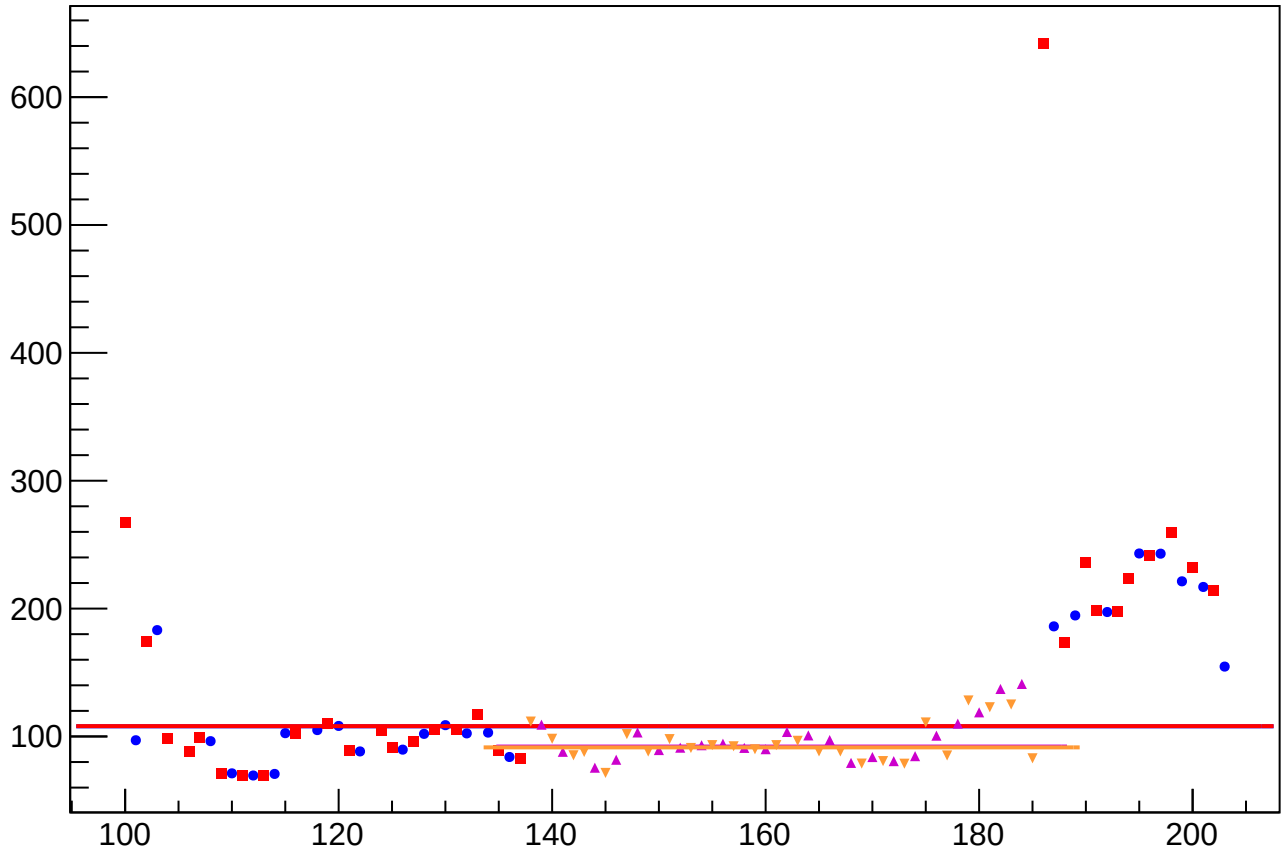
Left: 77.142+/-15.175 χ^2/NDF: 64.6/47

Right: -31.187+/-22.643 χ^2/NDF: 61.0/52

In: 30.823+/-18.106 χ^2/NDF:62.8/46

Out: 55.558+/-17.560 χ^2/NDF:77.7/53

All: 43.569+/-12.606 χ^2/NDF: 141.5/100



Right In: 107.910+/-0.023 χ^2/NDF: 3741510.6/23

Left Out: 91.462+/-0.015 χ^2/NDF:751213.9/24

Right Out: 108.074+/-0.022 χ^2/NDF: 5222624.4/28

Left In: 92.100+/-0.015 χ^2/NDF:699590.1/22

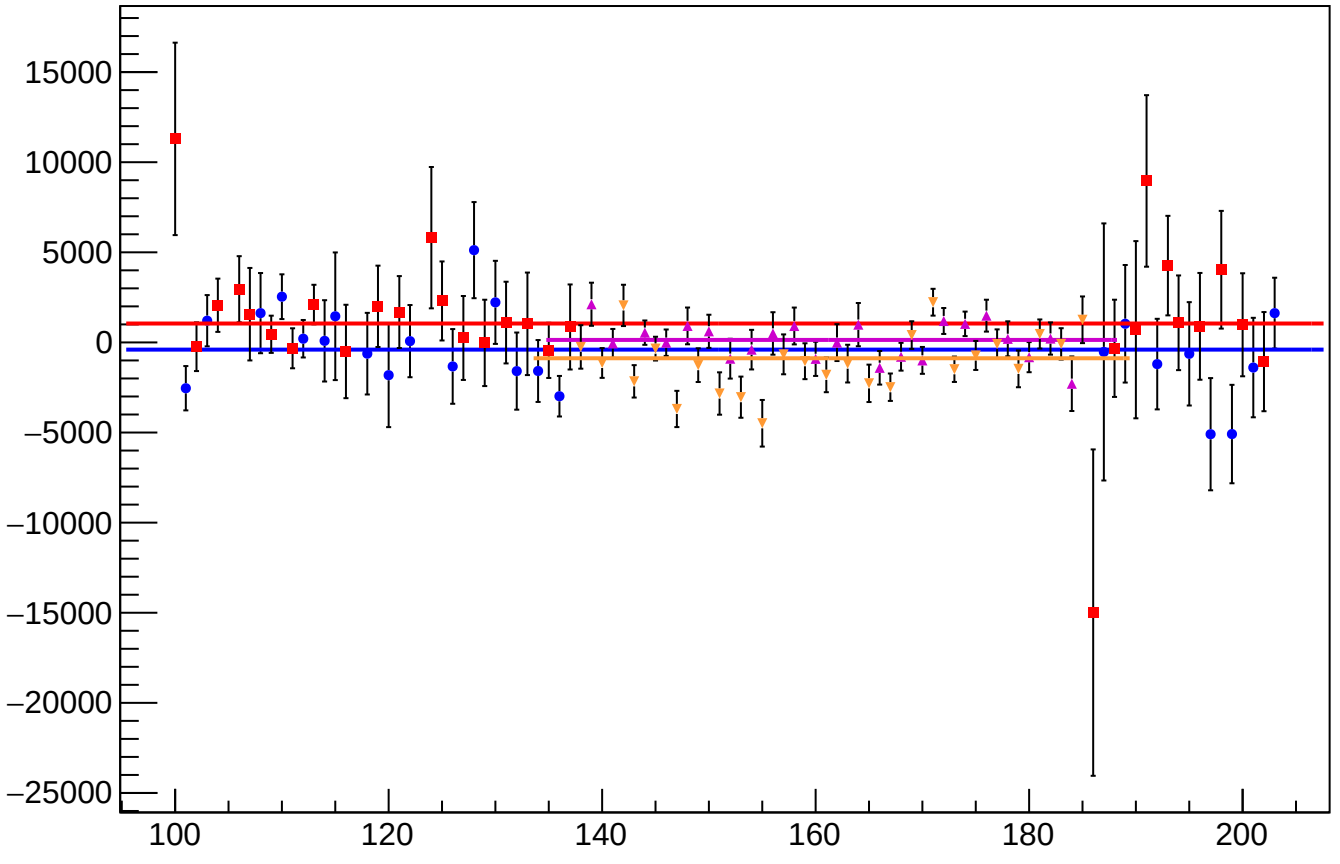
Left: 91.770+/-0.011 χ^2/NDF: 1451688.8/47

Right: 107.994+/-0.016 χ^2/NDF: 8964161.1/52

In: 97.041+/-0.013 χ^2/NDF:4768688.3/46

Out: 96.570+/-0.012 χ^2/NDF:6354971.7/53

All: 96.798+/-0.009 χ^2/NDF: 11124356.8/100



Right In: -399.127+/-386.290 χ^2/NDF: 30.3/23

Left Out: -878.463+/-182.188 χ^2/NDF:67.7/24

Right Out: 1049.110+/-372.737 χ^2/NDF: 21.6/28

Left In: 138.728+/-186.573 χ^2/NDF:24.2/22

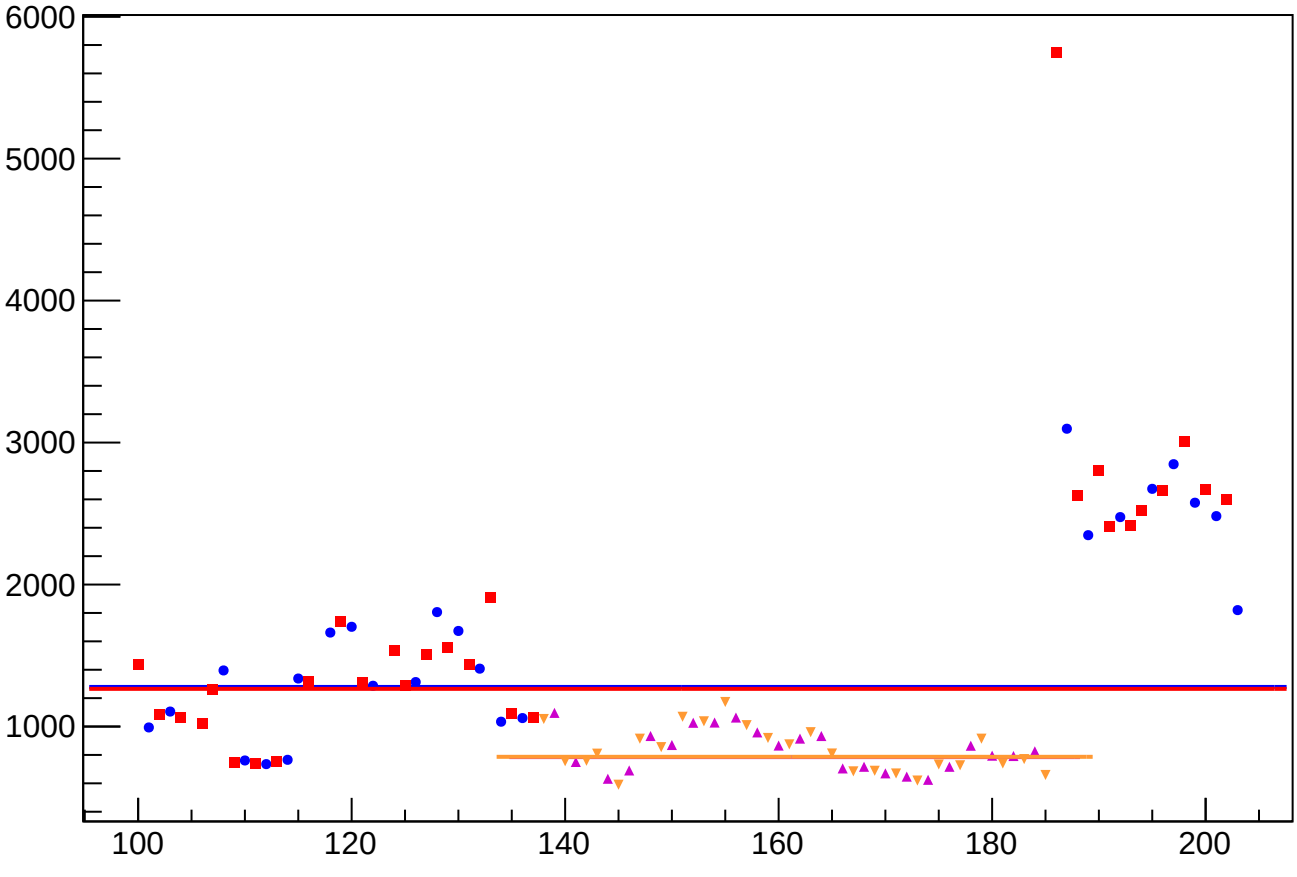
Left: -381.963+/-130.349 χ^2/NDF: 107.1/47

Right: 350.841+/-268.228 χ^2/NDF: 59.2/52

In: 36.991+/-168.004 χ^2/NDF:56.0/46

Out: -506.753+/-163.681 χ^2/NDF:110.9/53

All: -241.966+/-117.239 χ^2/NDF: 172.3/100



Right In: 1278.852+/-0.273 χ^2/NDF: 4265219.1/23

Left Out: 786.758+/-0.129 χ^2/NDF:1210893.0/24

Right Out: 1265.456+/-0.264 χ^2/NDF: 5873367.1/28

Left In: 784.833+/-0.132 χ^2/NDF:1063747.2/22

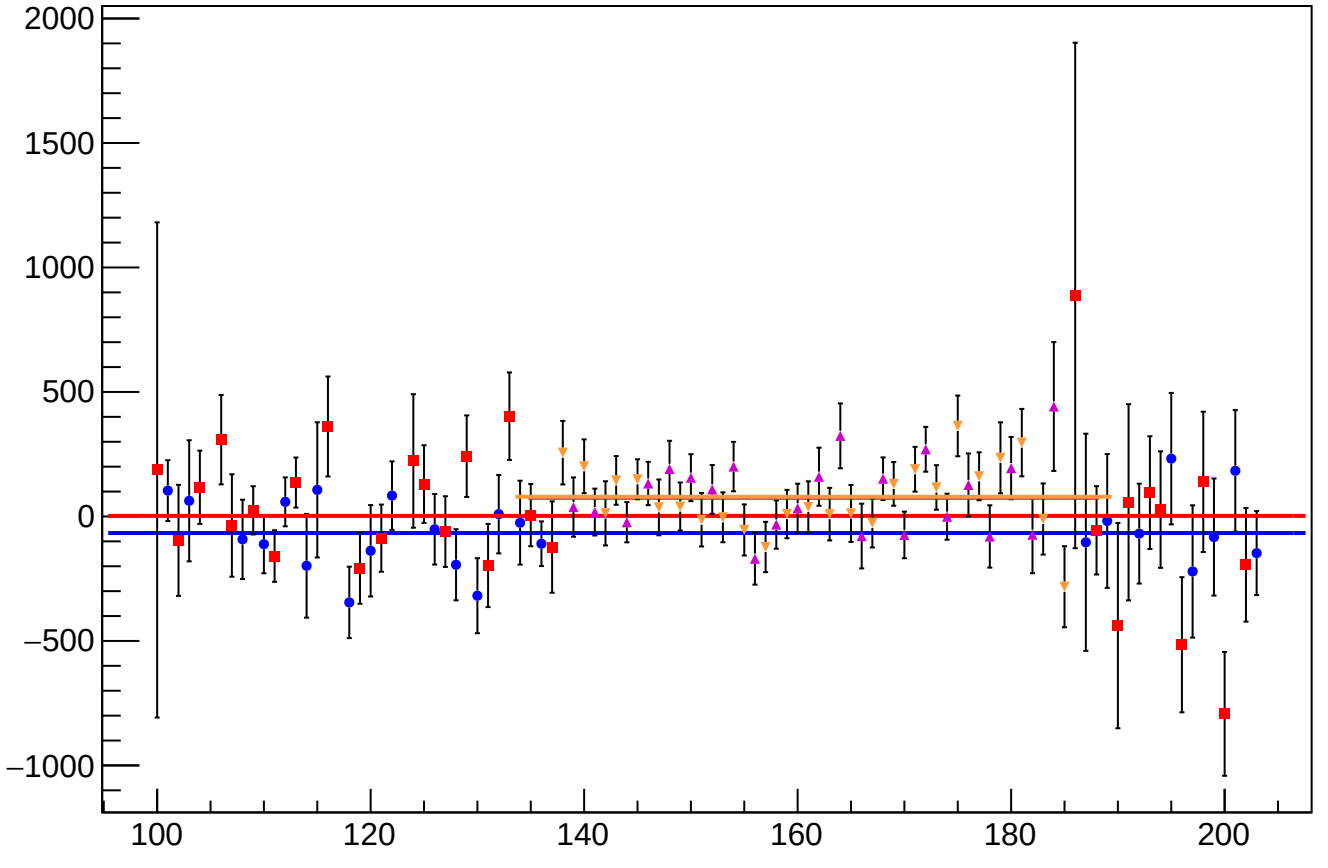
Left: 785.819+/-0.092 χ^2/NDF: 2274749.2/47

Right: 1271.915+/-0.190 χ^2/NDF: 10139831.9/52

In: 878.278+/-0.119 χ^2/NDF:7981316.7/46

Out: 879.070+/-0.116 χ^2/NDF:9746868.1/53

All: 878.684+/-0.083 χ^2/NDF: 17728207.6/10



Right In: -66.486+/-32.390 χ^2/NDF: 17.0/23

Left Out: 79.106+/-21.102 χ^2/NDF:32.0/24

Right Out: 2.326+/-31.670 χ^2/NDF: 41.6/28

Left In: 75.049+/-21.837 χ^2/NDF:32.6/22

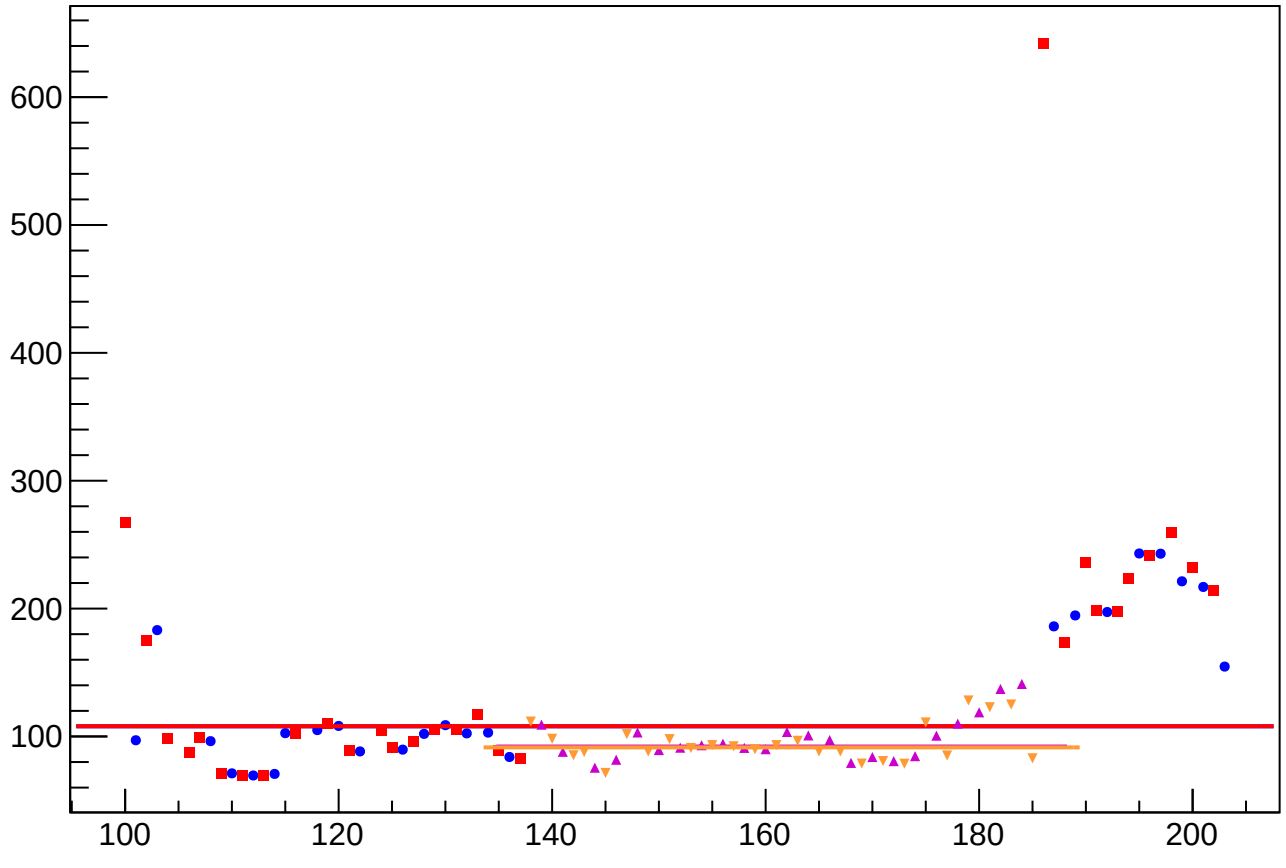
Left: 77.147+/-15.175 χ^2/NDF: 64.6/47

Right: -31.307+/-22.644 χ^2/NDF: 60.9/52

In: 30.820+/-18.106 χ^2/NDF:62.8/46

Out: 55.499+/-17.561 χ^2/NDF:77.7/53

All: 43.537+/-12.606 χ^2/NDF: 141.4/100



Right In: 107.910+/-0.023 χ^2/NDF: 3741513.7/23

Left Out: 91.462+/-0.015 χ^2/NDF:751213.9/24

Right Out: 108.037+/-0.022 χ^2/NDF: 5225981.7/28

Left In: 92.100+/-0.015 χ^2/NDF:699590.1/22

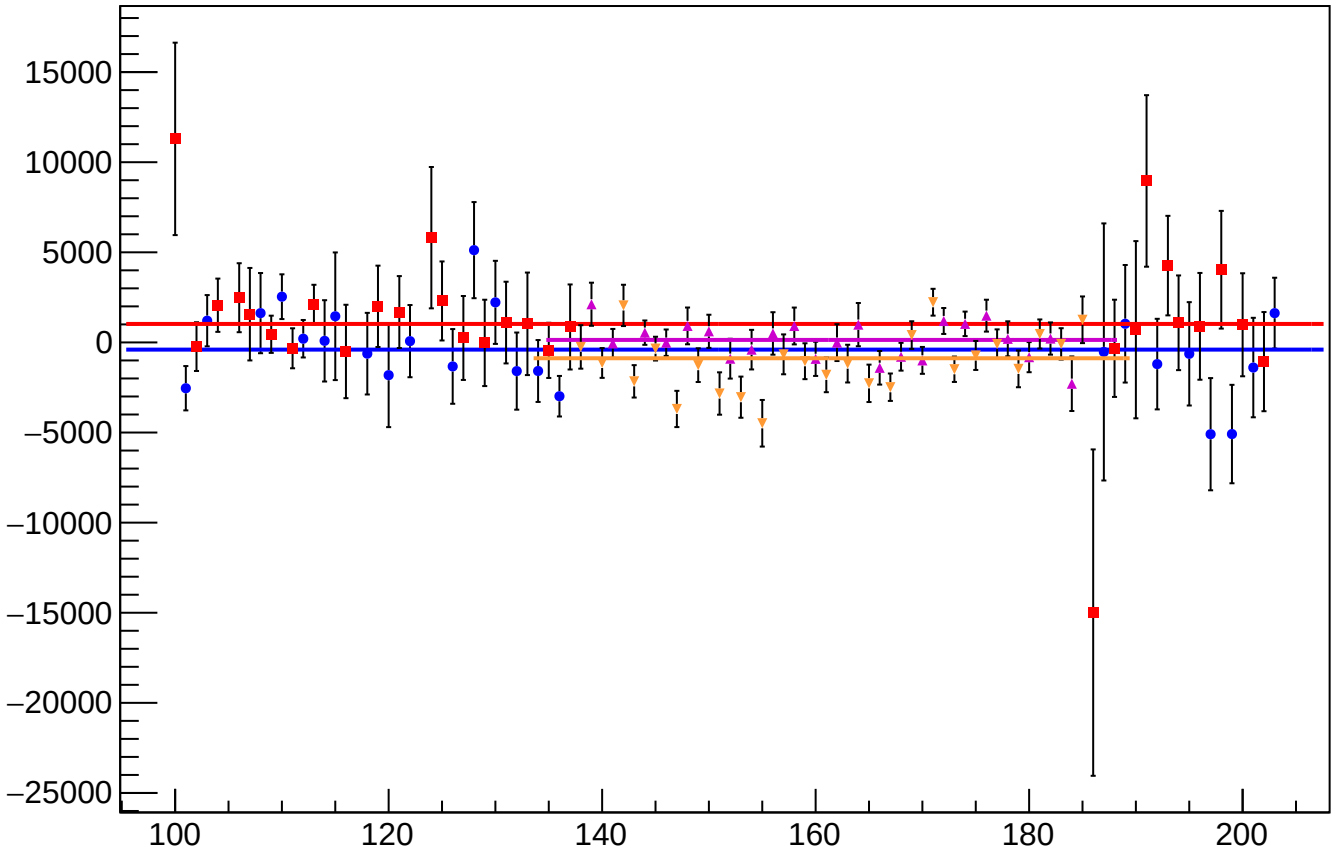
Left: 91.770+/-0.011 χ^2/NDF: 1451688.9/47

Right: 107.975+/-0.016 χ^2/NDF: 8967511.1/52

In: 97.041+/-0.013 χ^2/NDF:4768691.4/46

Out: 96.558+/-0.012 χ^2/NDF:6356587.1/53

All: 96.792+/-0.009 χ^2/NDF: 11126011.6/100



Right In: -399.144+/-386.292 χ^2/NDF: 30.3/23

Left Out: -878.453+/-182.188 χ^2/NDF:67.7/24

Right Out: 1025.381+/-373.387 χ^2/NDF: 21.1/28

Left In: 138.730+/-186.573 χ^2/NDF:24.2/22

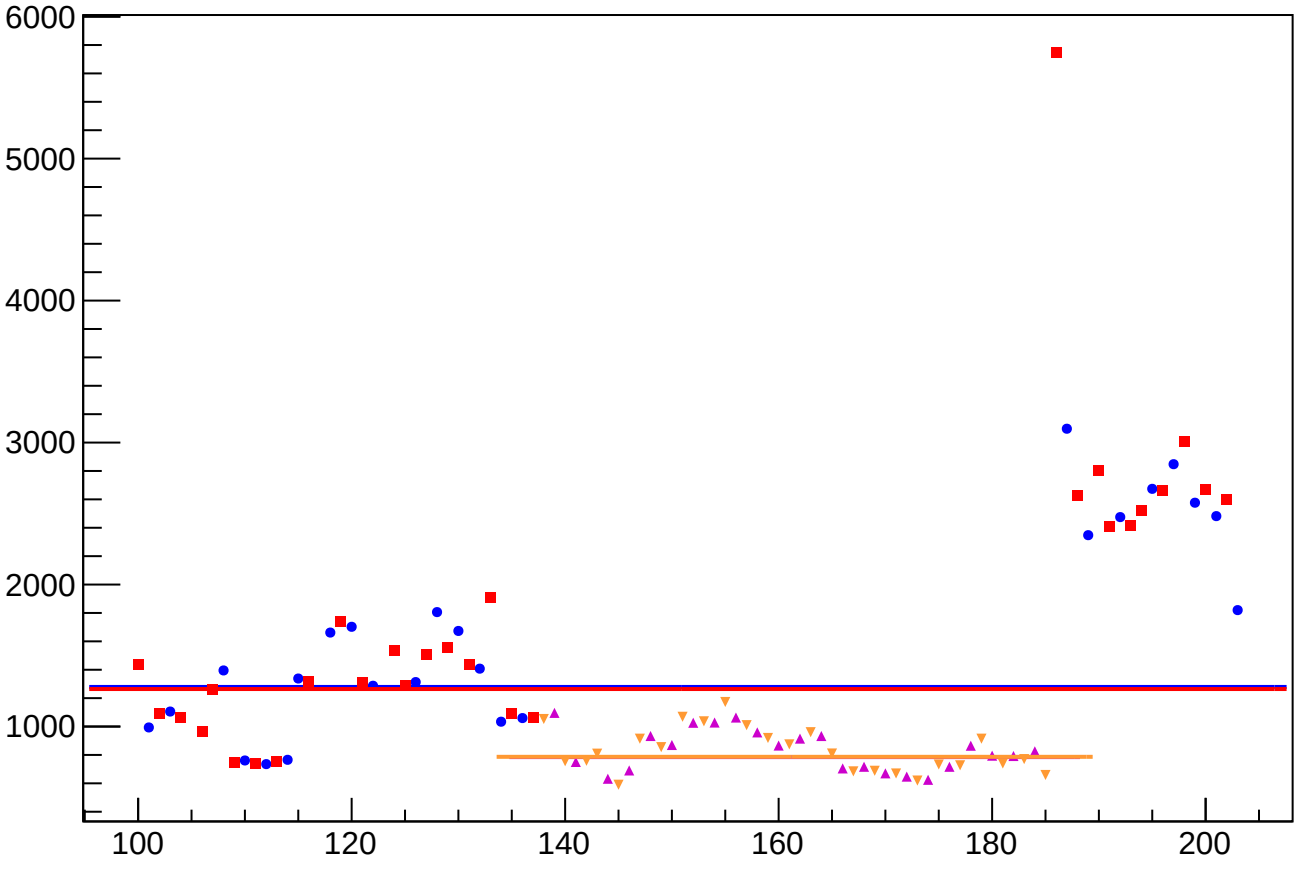
Left: -381.957+/-130.349 χ^2/NDF: 107.1/47

Right: 337.311+/-268.471 χ^2/NDF: 58.4/52

In: 36.991+/-168.004 χ^2/NDF:56.0/46

Out: -512.353+/-163.736 χ^2/NDF:109.8/53

All: -244.747+/-117.259 χ^2/NDF: 171.3/100



Right In: 1278.863+/-0.273 χ^2/NDF: 4265180.5/23

Left Out: 786.758+/-0.129 χ^2/NDF:1210893.0/24

Right Out: 1264.186+/-0.264 χ^2/NDF: 5886935.5/28

Left In: 784.833+/-0.132 χ^2/NDF:1063746.9/22

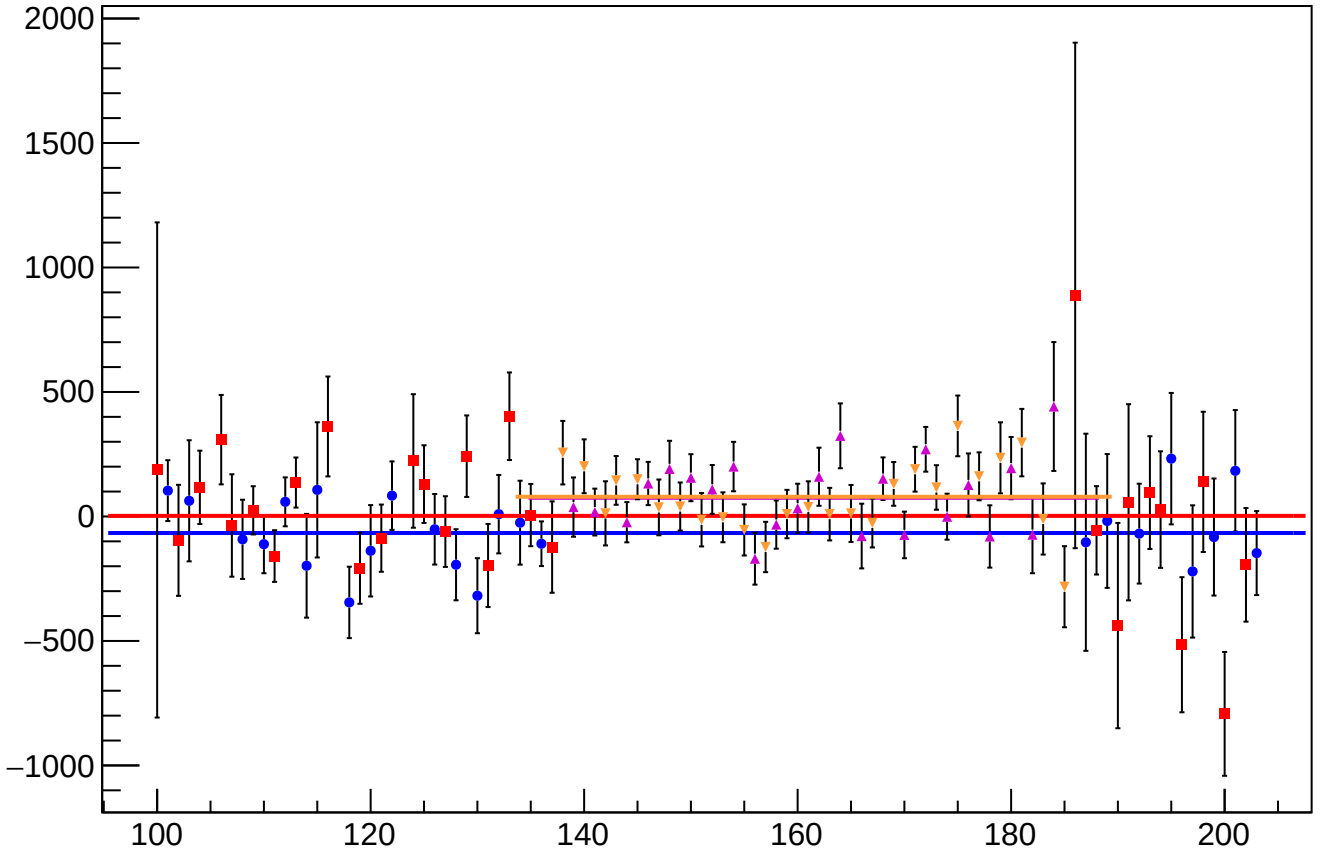
Left: 785.819+/-0.092 χ^2/NDF: 2274748.8/47

Right: 1271.275+/-0.190 χ^2/NDF: 10153608.6/52

In: 878.279+/-0.119 χ^2/NDF:7981354.3/46

Out: 878.566+/-0.116 χ^2/NDF:9738891.3/53

All: 878.426+/-0.083 χ^2/NDF: 17720248.5/10



Right In: -66.486+/-32.390 χ^2/NDF: 17.0/23

Left Out: 79.106+/-21.102 χ^2/NDF:32.0/24

Right Out: 2.326+/-31.670 χ^2/NDF: 41.6/28

Left In: 75.049+/-21.837 χ^2/NDF:32.6/22

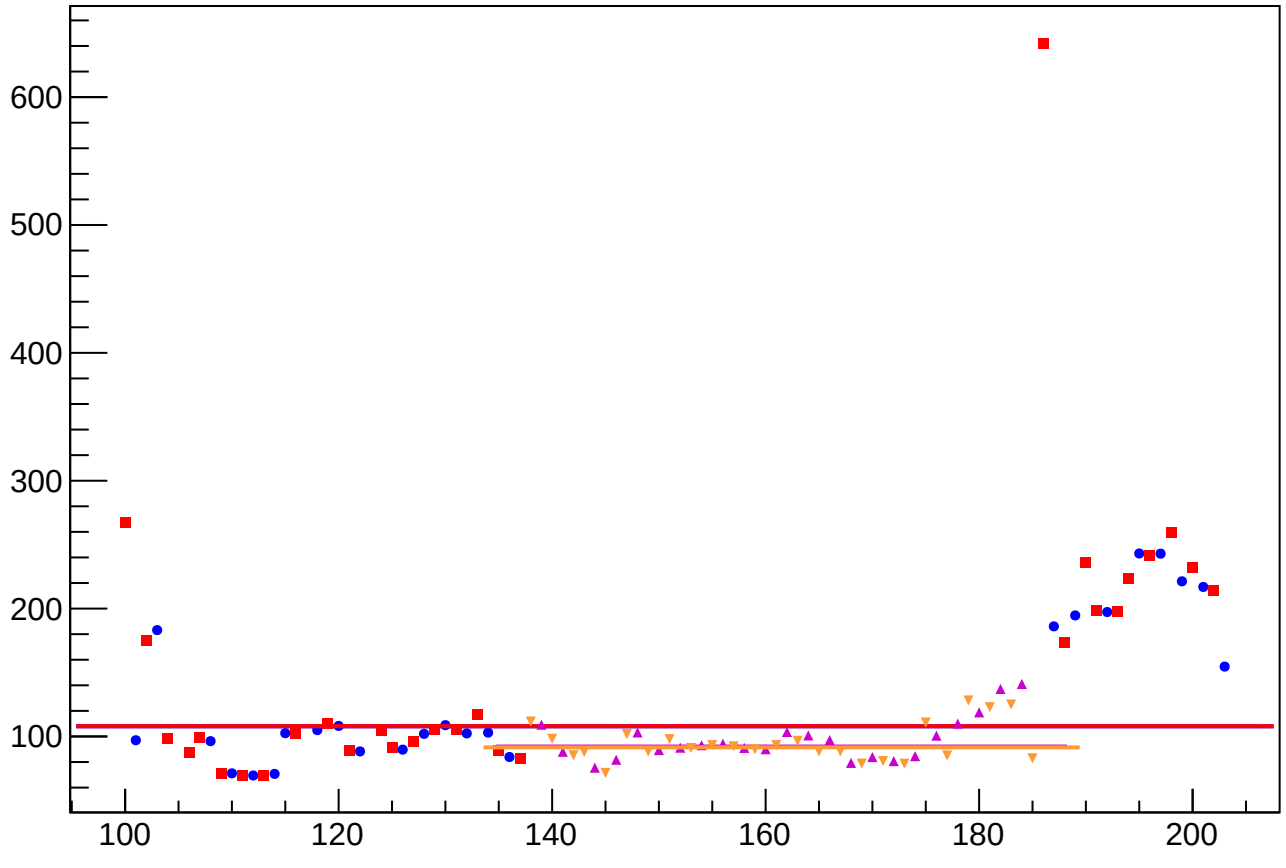
Left: 77.147+/-15.175 χ^2/NDF: 64.6/47

Right: -31.307+/-22.644 χ^2/NDF: 60.9/52

In: 30.820+/-18.106 χ^2/NDF:62.8/46

Out: 55.499+/-17.561 χ^2/NDF:77.7/53

All: 43.537+/-12.606 χ^2/NDF: 141.4/100



Right In: 107.910+/-0.023 χ^2/NDF: 3741513.7/23

Left Out: 91.462+/-0.015 χ^2/NDF:751213.9/24

Right Out: 108.037+/-0.022 χ^2/NDF: 5225981.7/28

Left In: 92.100+/-0.015 χ^2/NDF:699590.1/22

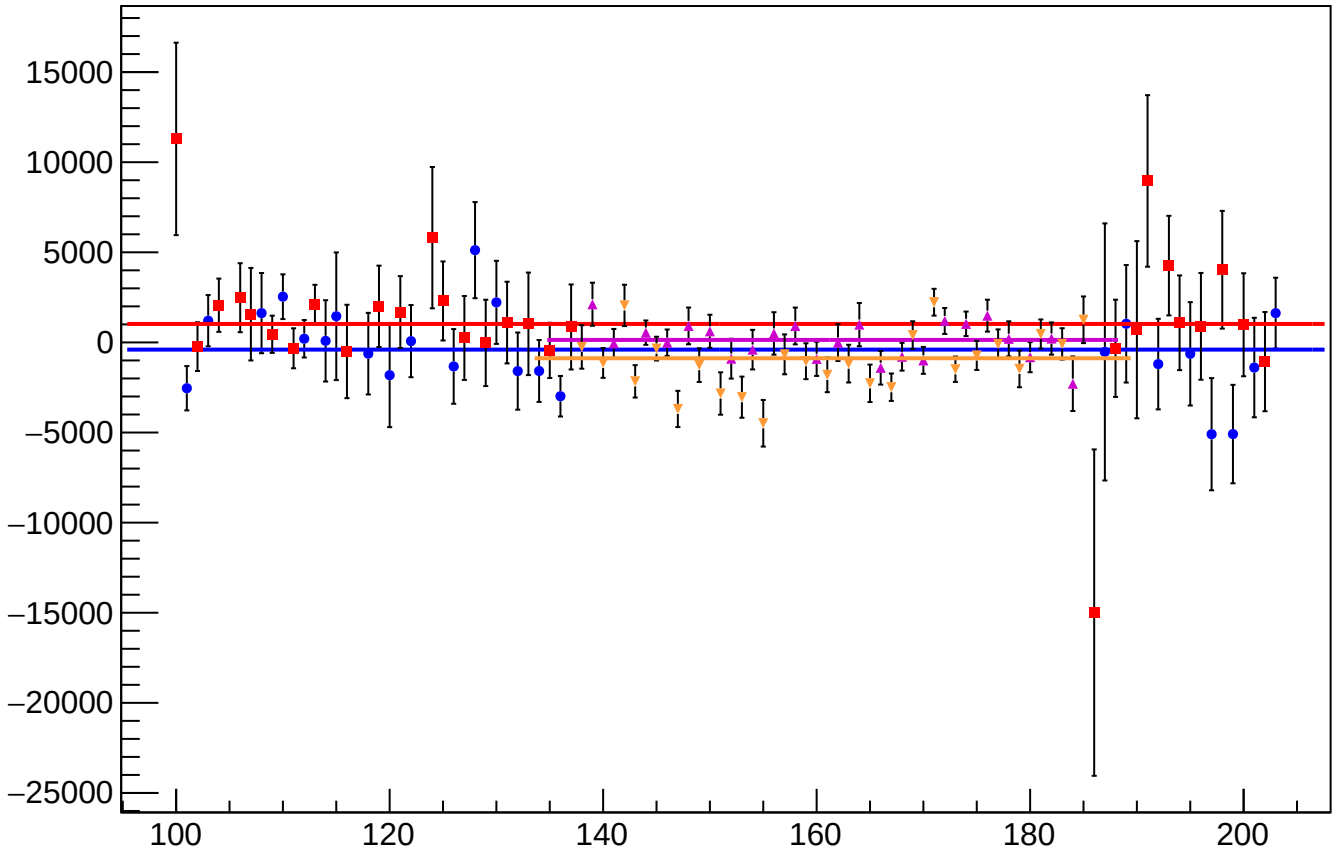
Left: 91.770+/-0.011 χ^2/NDF: 1451688.9/47

Right: 107.975+/-0.016 χ^2/NDF: 8967511.1/52

In: 97.041+/-0.013 χ^2/NDF:4768691.4/46

Out: 96.558+/-0.012 χ^2/NDF:6356587.1/53

All: 96.792+/-0.009 χ^2/NDF: 11126011.6/100



Right In: -399.144+/-386.292 χ^2/NDF: 30.3/23

Left Out: -878.453+/-182.188 χ^2/NDF:67.7/24

Right Out: 1025.381+/-373.387 χ^2/NDF: 21.1/28

Left In: 138.730+/-186.573 χ^2/NDF:24.2/22

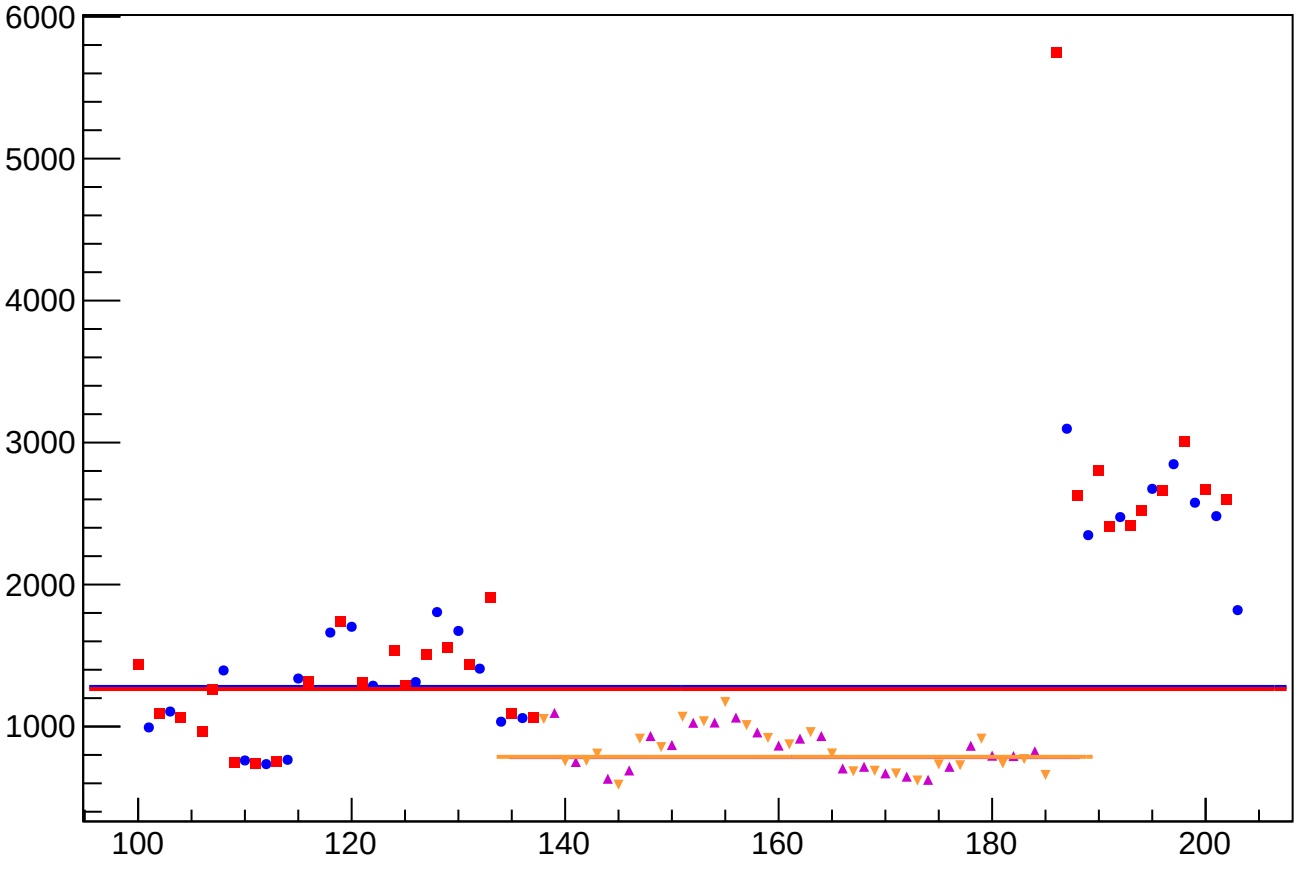
Left: -381.957+/-130.349 χ^2/NDF: 107.1/47

Right: 337.311+/-268.471 χ^2/NDF: 58.4/52

In: 36.991+/-168.004 χ^2/NDF:56.0/46

Out: -512.353+/-163.736 χ^2/NDF:109.8/53

All: -244.747+/-117.259 χ^2/NDF: 171.3/100



Right In: 1278.863+/-0.273 χ^2/NDF: 4265180.5/23

Left Out: 786.758+/-0.129 χ^2/NDF:1210893.0/24

Right Out: 1264.186+/-0.264 χ^2/NDF: 5886935.5/28

Left In: 784.833+/-0.132 χ^2/NDF:1063746.9/22

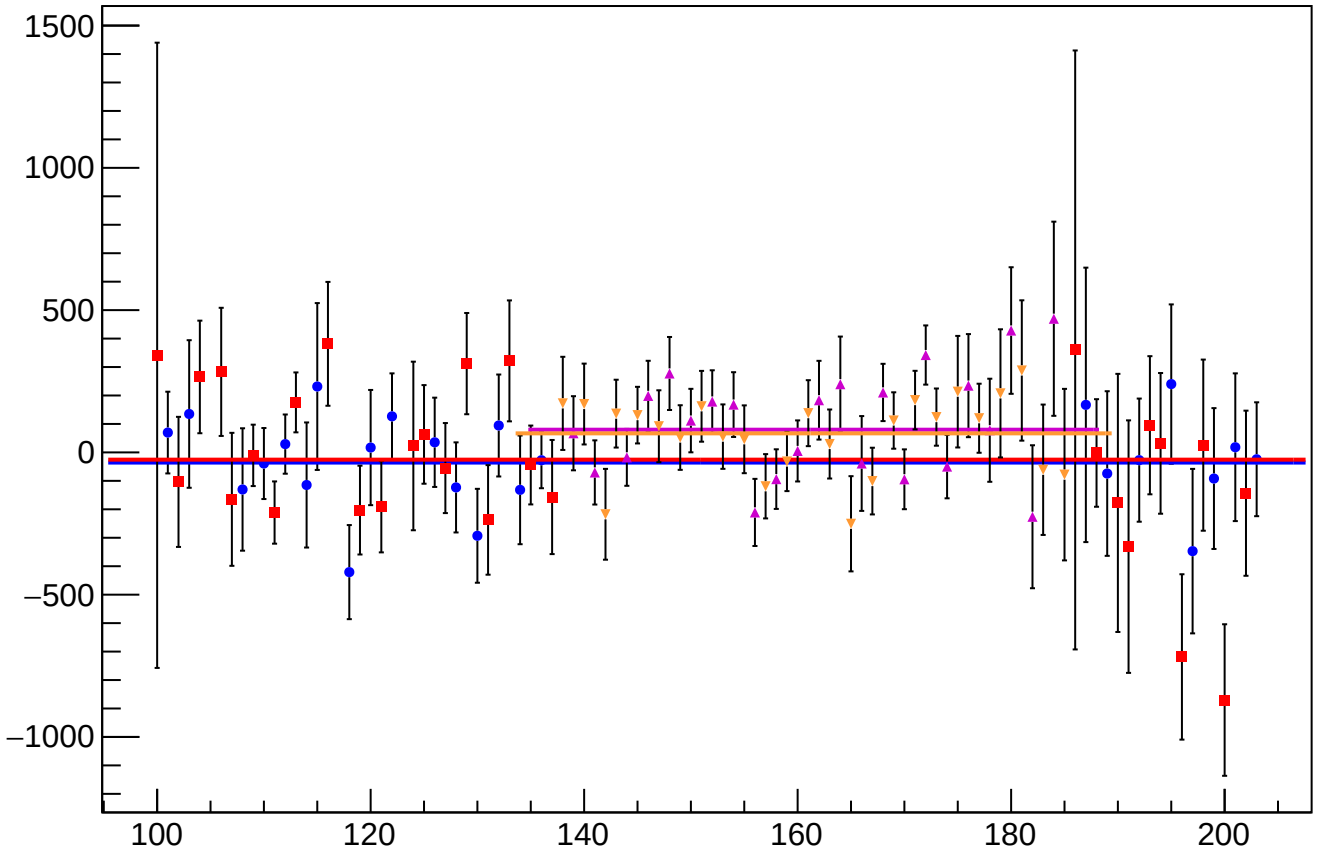
Left: 785.819+/-0.092 χ^2/NDF: 2274748.8/47

Right: 1271.275+/-0.190 χ^2/NDF: 10153608.6/52

In: 878.279+/-0.119 χ^2/NDF:7981354.3/46

Out: 878.566+/-0.116 χ^2/NDF:9738891.3/53

All: 878.426+/-0.083 χ^2/NDF: 17720248.5/10



Right In: -35.735+/-35.892 χ^2/NDF: 15.3/23

Left Out: 66.896+/-25.584 χ^2/NDF:19.6/24

Right Out: -25.488+/-35.189 χ^2/NDF: 42.3/28

Left In: 79.766+/-26.299 χ^2/NDF:36.9/22

Left: 73.154+/-18.338 χ^2/NDF: 56.7/47

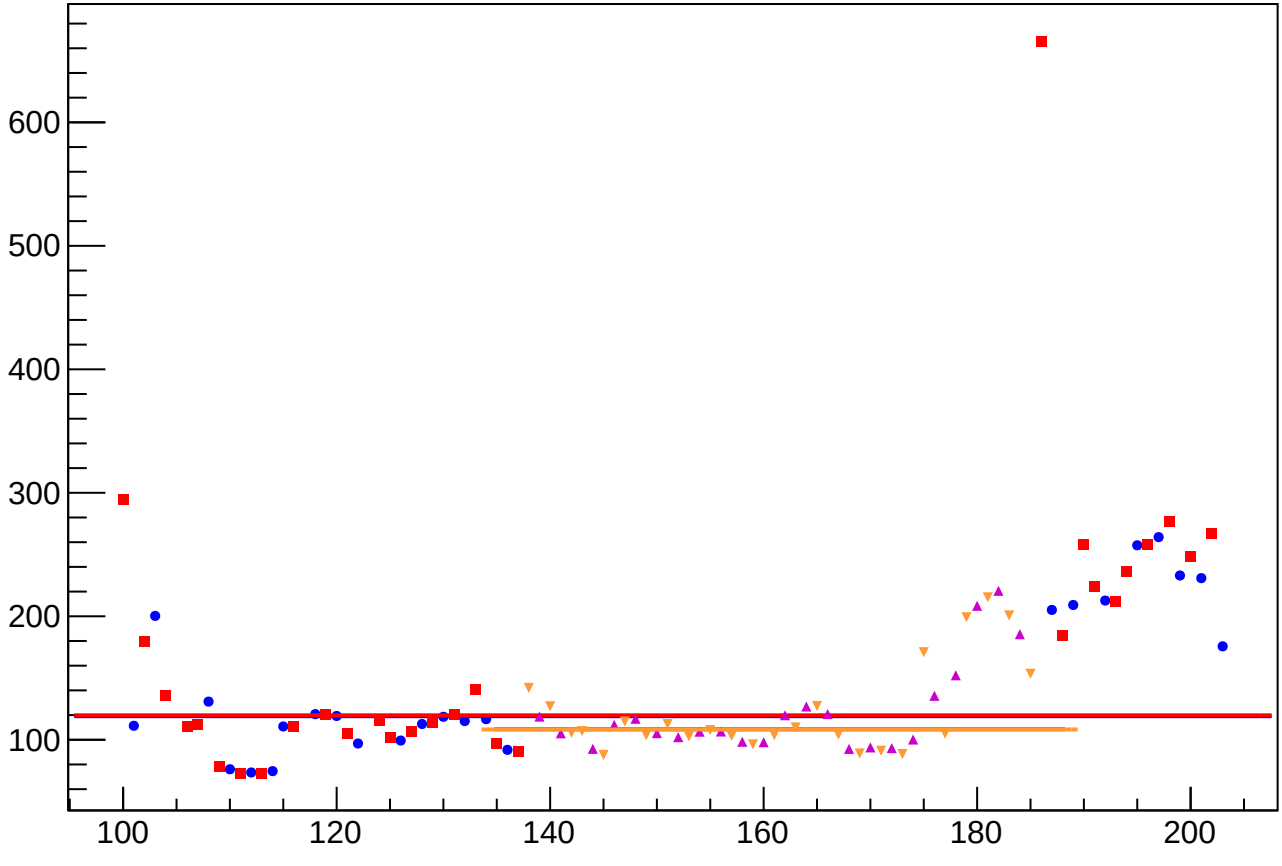
Right: -30.510+/-25.127 χ^2/NDF: 57.6/52

In: 39.419+/-21.214 χ^2/NDF:59.0/46

Out: 34.949+/-20.693 χ^2/NDF:66.4/53

All: 37.128+/-14.813 χ^2/NDF: 125.4/100

dit_asym_sam_3748_avg_rms vs Slug, Sign Corrected



Right In: 119.092+/-0.025 χ^2/NDF: 3724196.1/23

Left Out: 108.330+/-0.018 χ^2/NDF:1774599.9/24

Right Out: 119.795+/-0.025 χ^2/NDF: 5221022.2/28

Left In: 108.492+/-0.019 χ^2/NDF:1379398.3/22

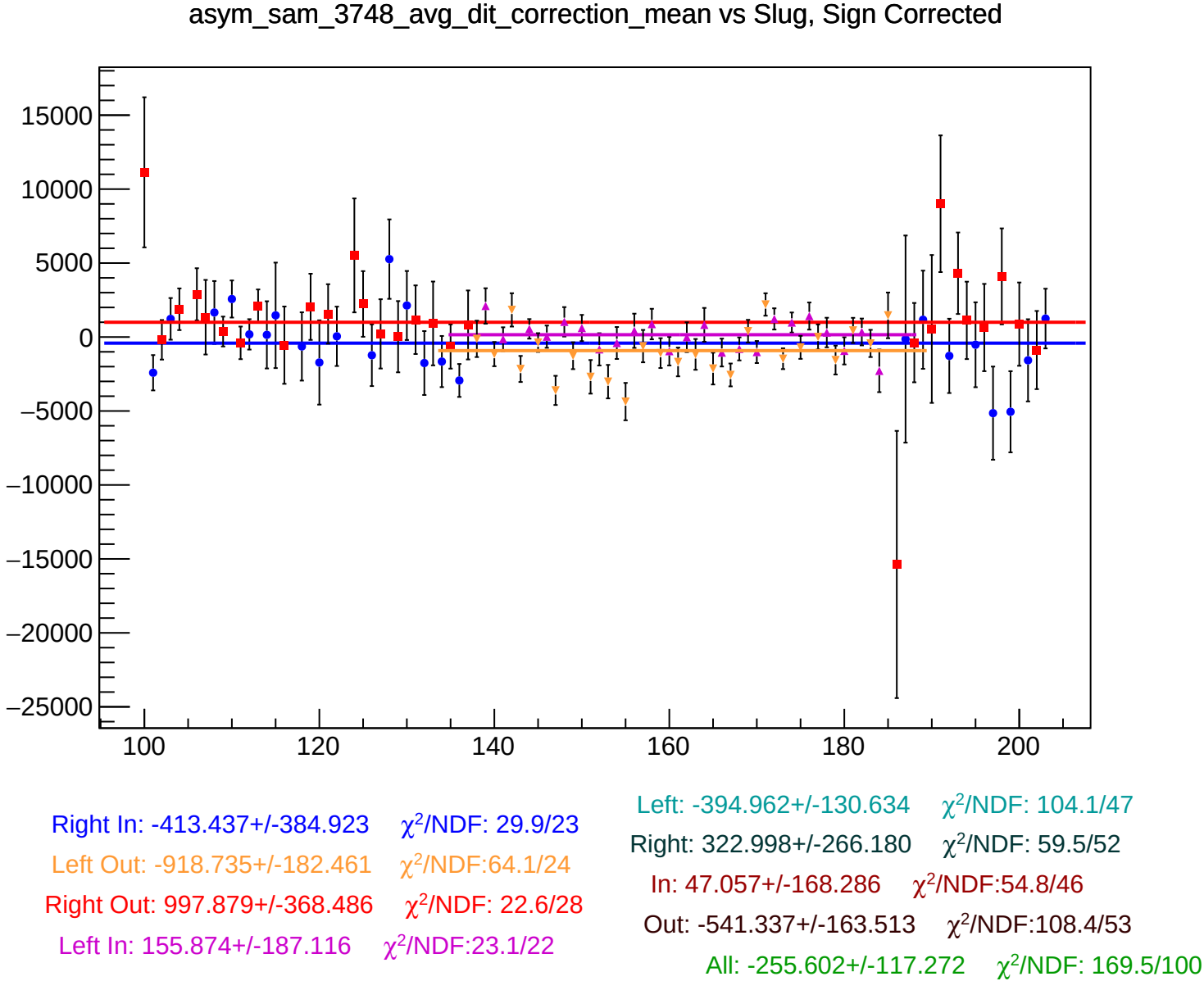
Left: 108.409+/-0.013 χ^2/NDF: 3154037.3/47

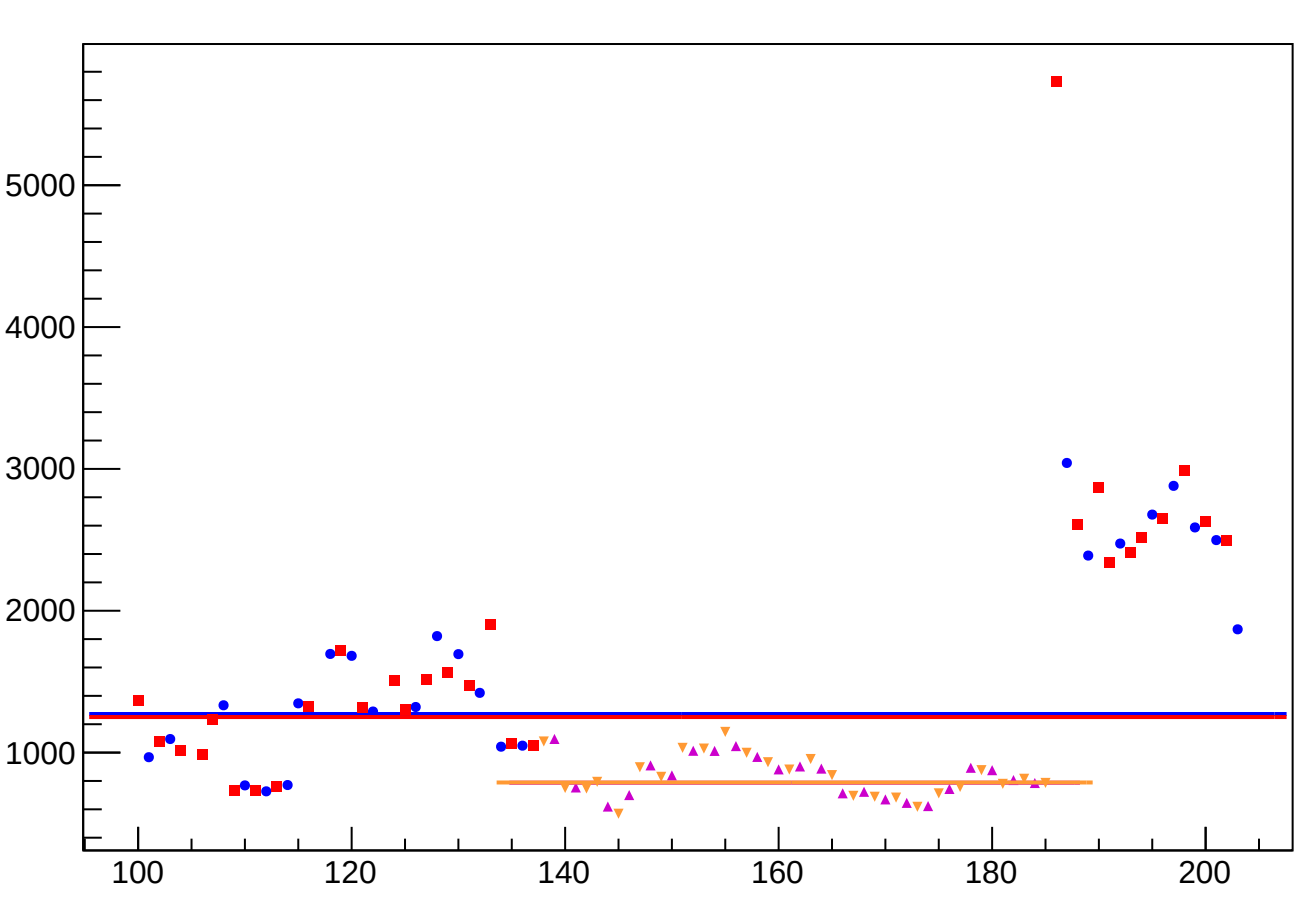
Right: 119.450+/-0.018 χ^2/NDF: 8945609.7/52

In: 112.195+/-0.015 χ^2/NDF:5217076.6/46

Out: 112.295+/-0.015 χ^2/NDF:7134501.7/53

All: 112.246+/-0.010 χ^2/NDF: 12351600.9/10


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: -413.437+/-384.923 χ²/NDF: 29.9/23
Left Out: -918.735+/-182.461 χ²/NDF:64.1/24
Right Out: 997.879+/-368.486 χ²/NDF: 22.6/28
Left In: 155.874+/-187.116 χ²/NDF:23.1/22
Left: -394.962+/-130.634 χ²/NDF: 104.1/47
Right: 322.998+/-266.180 χ²/NDF: 59.5/52
In: 47.057+/-168.286 χ²/NDF:54.8/46
Out: -541.337+/-163.513 χ²/NDF:108.4/53
All: -255.602+/-117.272 χ²/NDF: 169.5/100



Right In: 1271.987+/-0.272 χ^2/NDF: 4369386.3/23

Left Out: 789.250+/-0.129 χ^2/NDF:1176799.1/24

Right Out: 1250.563+/-0.261 χ^2/NDF: 5922102.1/28

Left In: 787.390+/-0.132 χ^2/NDF:1041390.9/22

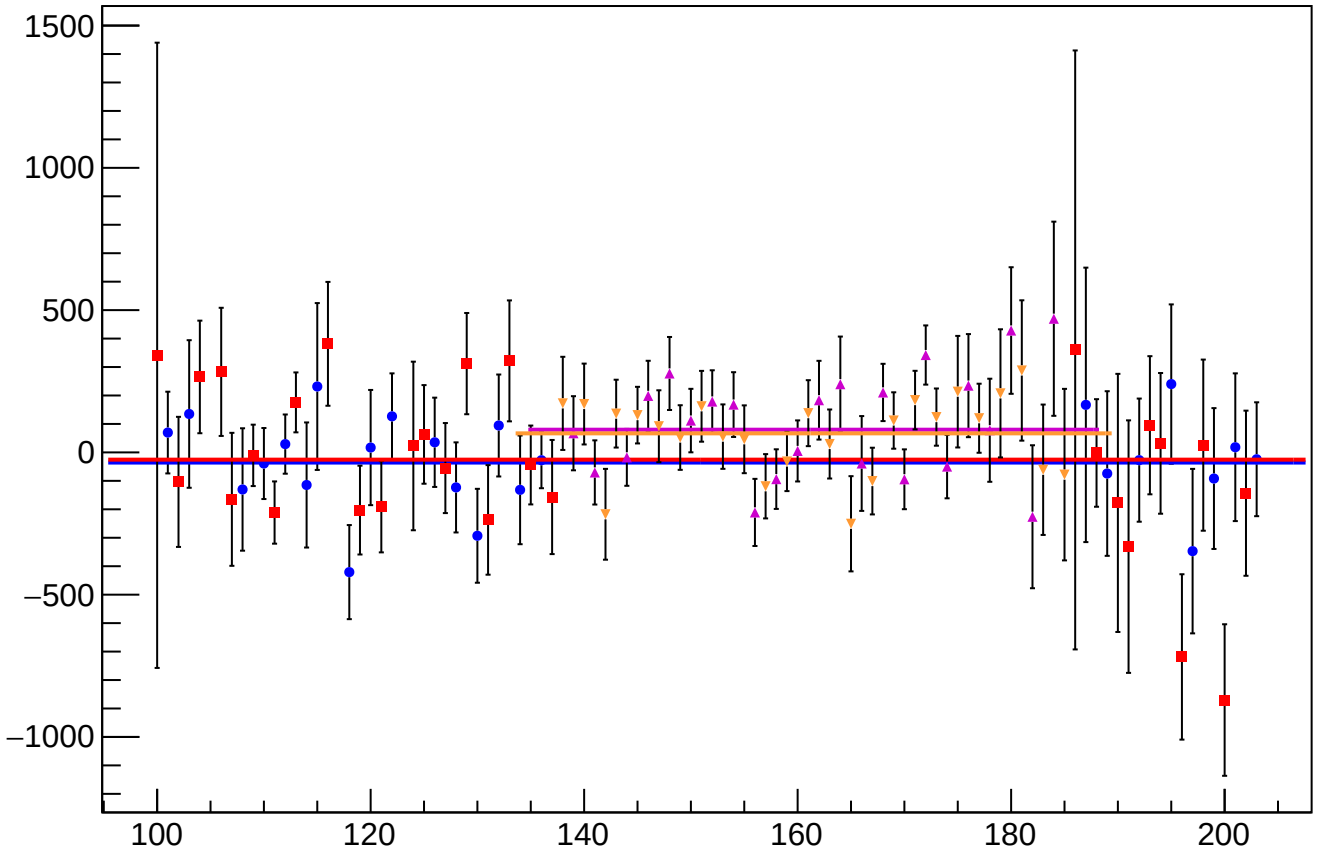
Left: 788.343+/-0.092 χ^2/NDF: 2218291.4/47

Right: 1260.808+/-0.188 χ^2/NDF: 10294721.5/52

In: 880.015+/-0.119 χ^2/NDF:7974777.9/46

Out: 880.086+/-0.116 χ^2/NDF:9616258.2/53

All: 880.051+/-0.083 χ^2/NDF: 17591036.3/10



Right In: -35.734+/-35.892 χ^2/NDF: 15.3/23

Left Out: 66.898+/-25.584 χ^2/NDF:19.6/24

Right Out: -25.490+/-35.189 χ^2/NDF: 42.3/28

Left In: 79.766+/-26.299 χ^2/NDF:36.9/22

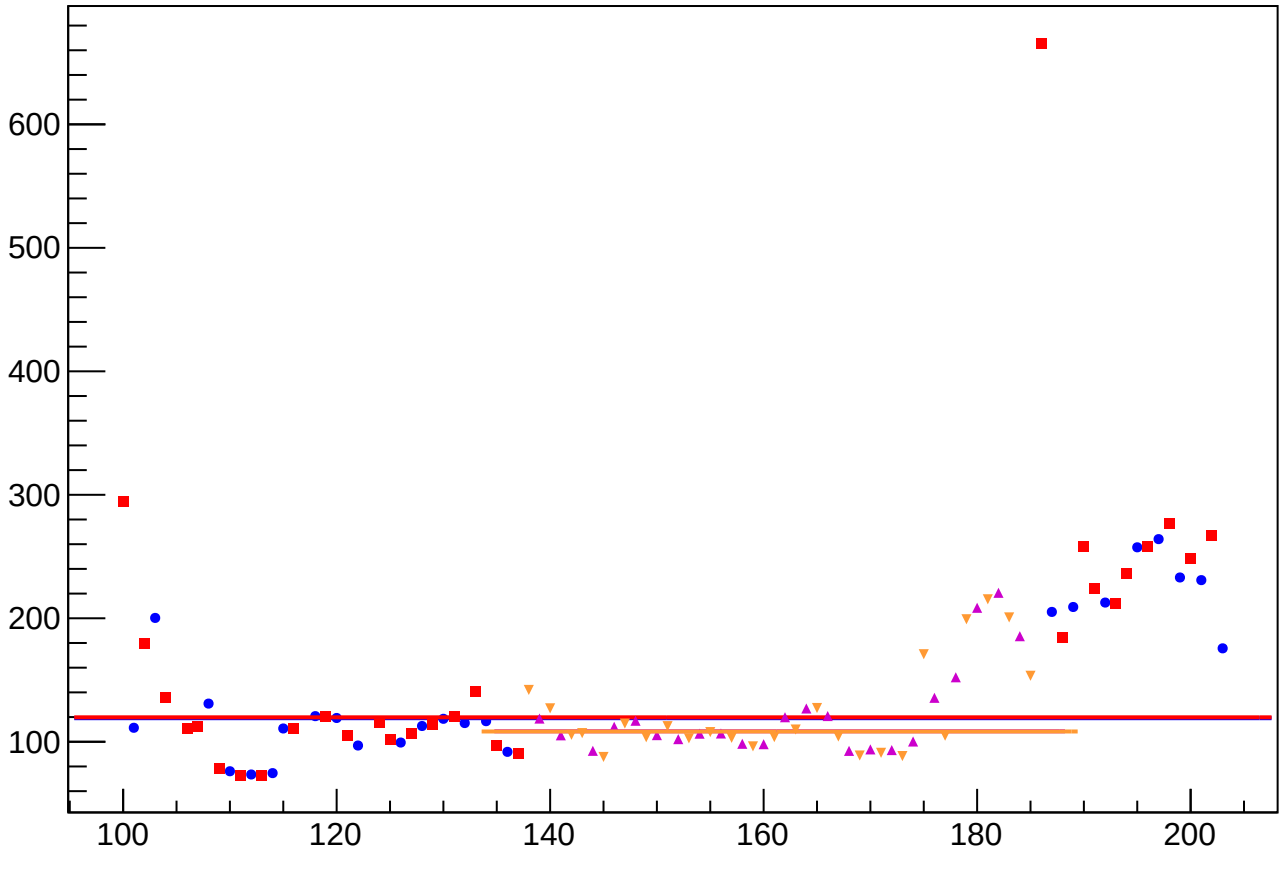
Left: 73.154+/-18.338 χ^2/NDF: 56.7/47

Right: -30.510+/-25.127 χ^2/NDF: 57.6/52

In: 39.419+/-21.214 χ^2/NDF:59.0/46

Out: 34.949+/-20.693 χ^2/NDF:66.4/53

All: 37.129+/-14.813 χ^2/NDF: 125.4/100



Right In: 119.092+/-0.025 χ^2/NDF: 3724184.2/23

Left Out: 108.330+/-0.018 χ^2/NDF:1774594.6/24

Right Out: 119.795+/-0.025 χ^2/NDF: 5221026.5/28

Left In: 108.493+/-0.019 χ^2/NDF:1379379.3/22

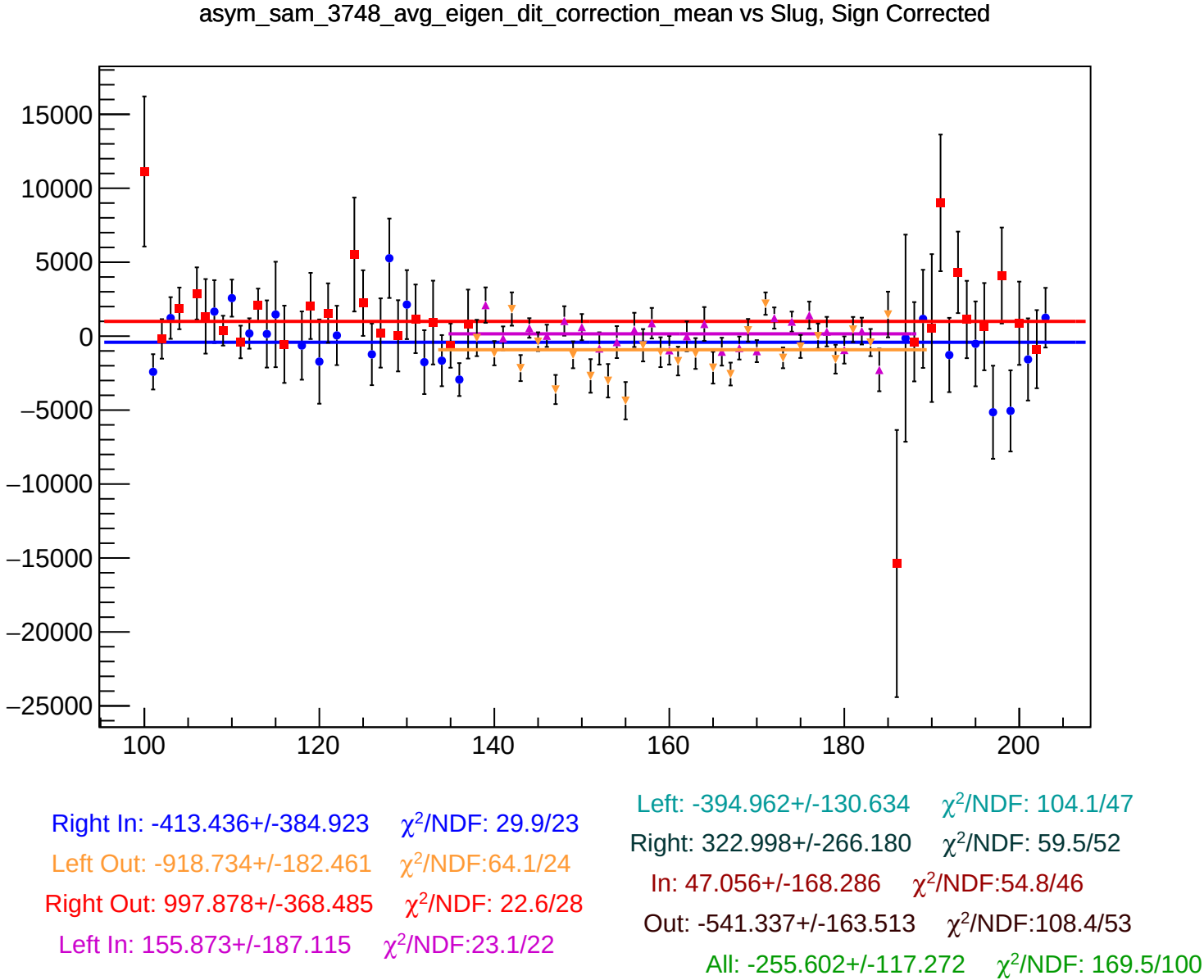
Left: 108.409+/-0.013 χ^2/NDF: 3154013.0/47

Right: 119.450+/-0.018 χ^2/NDF: 8945602.1/52

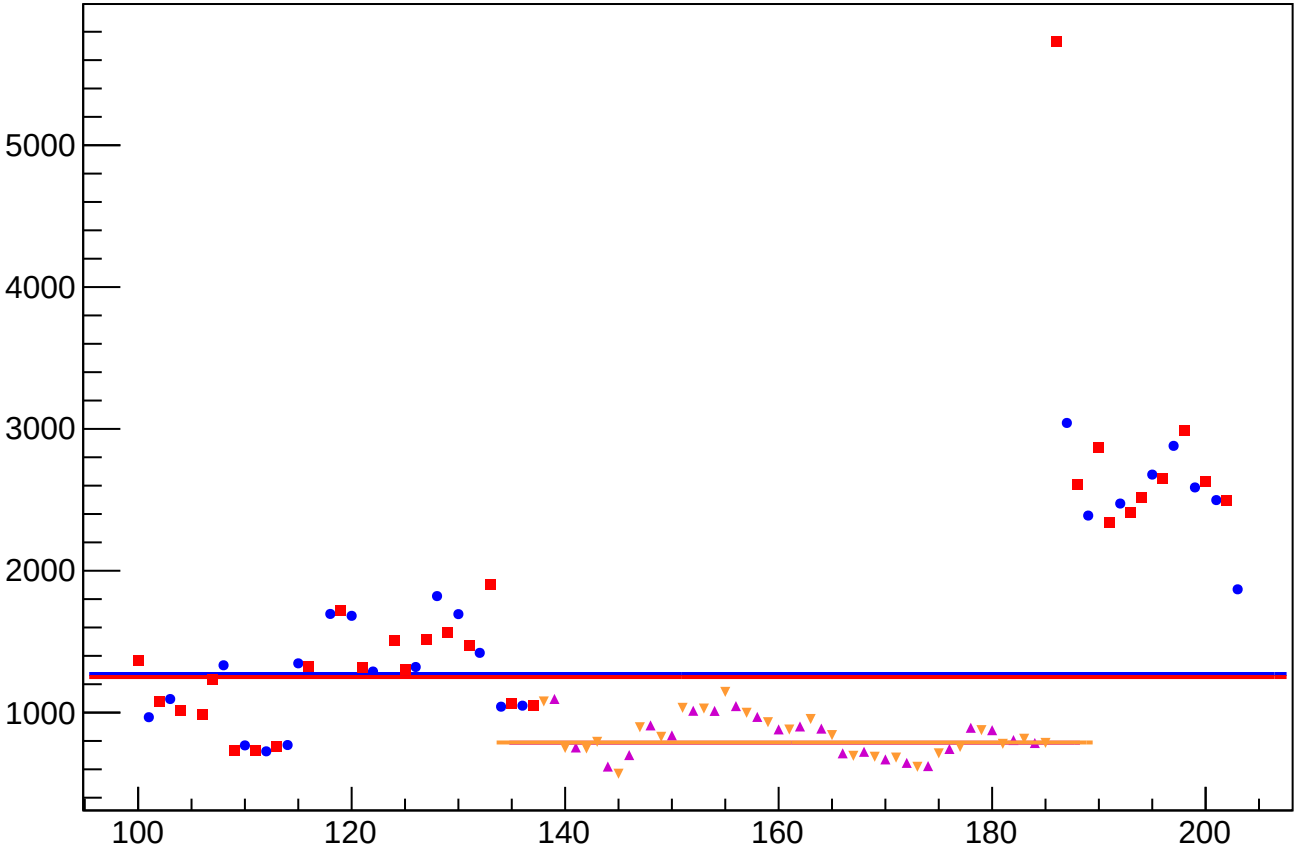
In: 112.195+/-0.015 χ^2/NDF:5217041.8/46

Out: 112.295+/-0.015 χ^2/NDF:7134496.8/53

All: 112.246+/-0.010 χ^2/NDF: 12351561.2/10


asym_sam_3748_avg_eigen_dit_correction_mean vs Slug, Sign Corrected
15000
10000
5000
0
−5000
−10000
−15000
−20000
−25000
100
120
140
160
180
200
Right In: -413.436+/-384.923 χ²/NDF: 29.9/23
Left Out: -918.734+/-182.461 χ²/NDF:64.1/24
Right Out: 997.878+/-368.485 χ²/NDF: 22.6/28
Left In: 155.873+/-187.115 χ²/NDF:23.1/22
Left: -394.962+/-130.634 χ²/NDF: 104.1/47
Right: 322.998+/-266.180 χ²/NDF: 59.5/52
In: 47.056+/-168.286 χ²/NDF:54.8/46
Out: -541.337+/-163.513 χ²/NDF:108.4/53
All: -255.602+/-117.272 χ²/NDF: 169.5/100

asym_sam_3748_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 1271.985+/-0.272 χ^2/NDF: 4369394.3/23

Left Out: 789.248+/-0.129 χ^2/NDF:1176801.9/24

Right Out: 1250.561+/-0.261 χ^2/NDF: 5922106.0/28

Left In: 787.388+/-0.132 χ^2/NDF:1041391.2/22

Left: 788.342+/-0.092 χ^2/NDF: 2218294.3/47

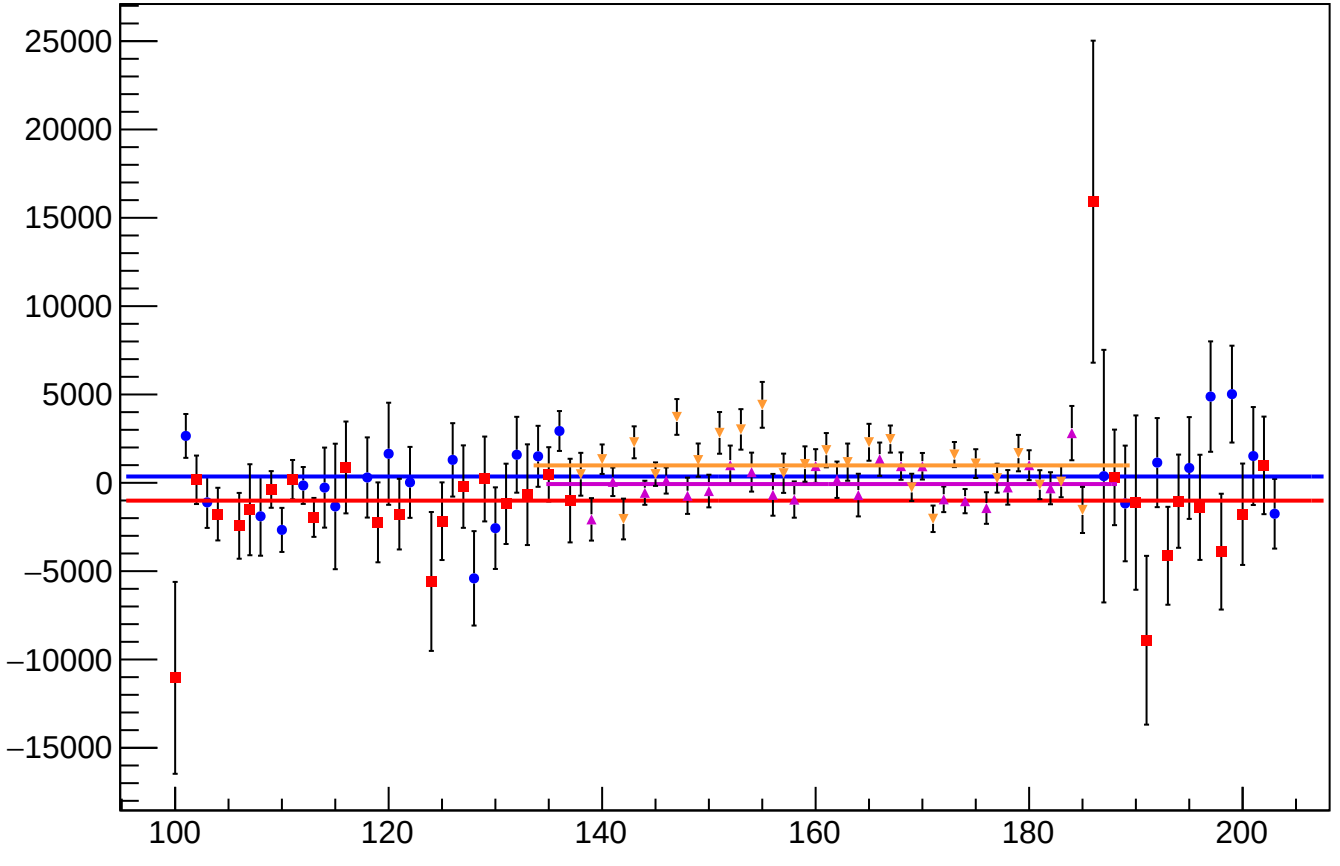
Right: 1260.806+/-0.188 χ^2/NDF: 10294733.3/52

In: 880.013+/-0.119 χ^2/NDF:7974785.0/46

Out: 880.085+/-0.116 χ^2/NDF:9616266.4/53

All: 880.050+/-0.083 χ^2/NDF: 17591051.6/10

asym_sam_3748_avg_mean vs Slug, Sign Corrected



Right In: 357.741+/-388.282 χ^2/NDF: 31.2/23

Left Out: 985.656+/-183.601 χ^2/NDF:63.7/24

Right Out: -1008.410+/-374.756 χ^2/NDF: 20.3/28

Left In: -70.089+/-188.036 χ^2/NDF:24.4/22

Left: 470.380+/-131.365 χ^2/NDF: 104.3/47

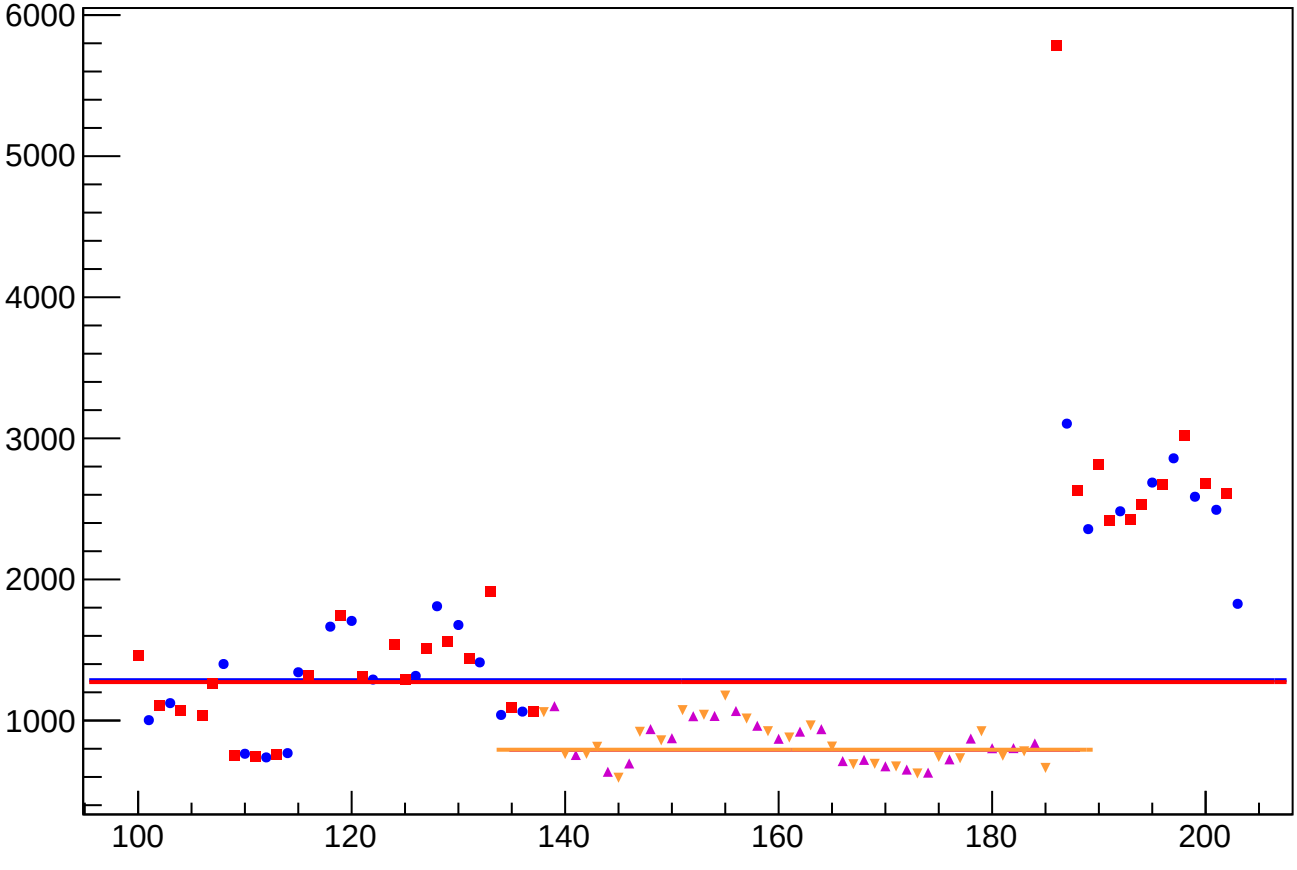
Right: -349.545+/-269.648 χ^2/NDF: 57.9/52

In: 11.186+/-169.235 χ^2/NDF:56.6/46

Out: 599.678+/-164.877 χ^2/NDF:106.8/53

All: 313.107+/-118.096 χ^2/NDF: 169.6/100

asym_sam_3748_avg_rms vs Slug, Sign Corrected



Right In: 1285.936+/-0.275 χ^2/NDF: 4249397.9/23

Left Out: 793.051+/-0.130 χ^2/NDF:1193972.3/24

Right Out: 1272.508+/-0.265 χ^2/NDF: 5857366.4/28

Left In: 791.155+/-0.133 χ^2/NDF:1049107.7/22

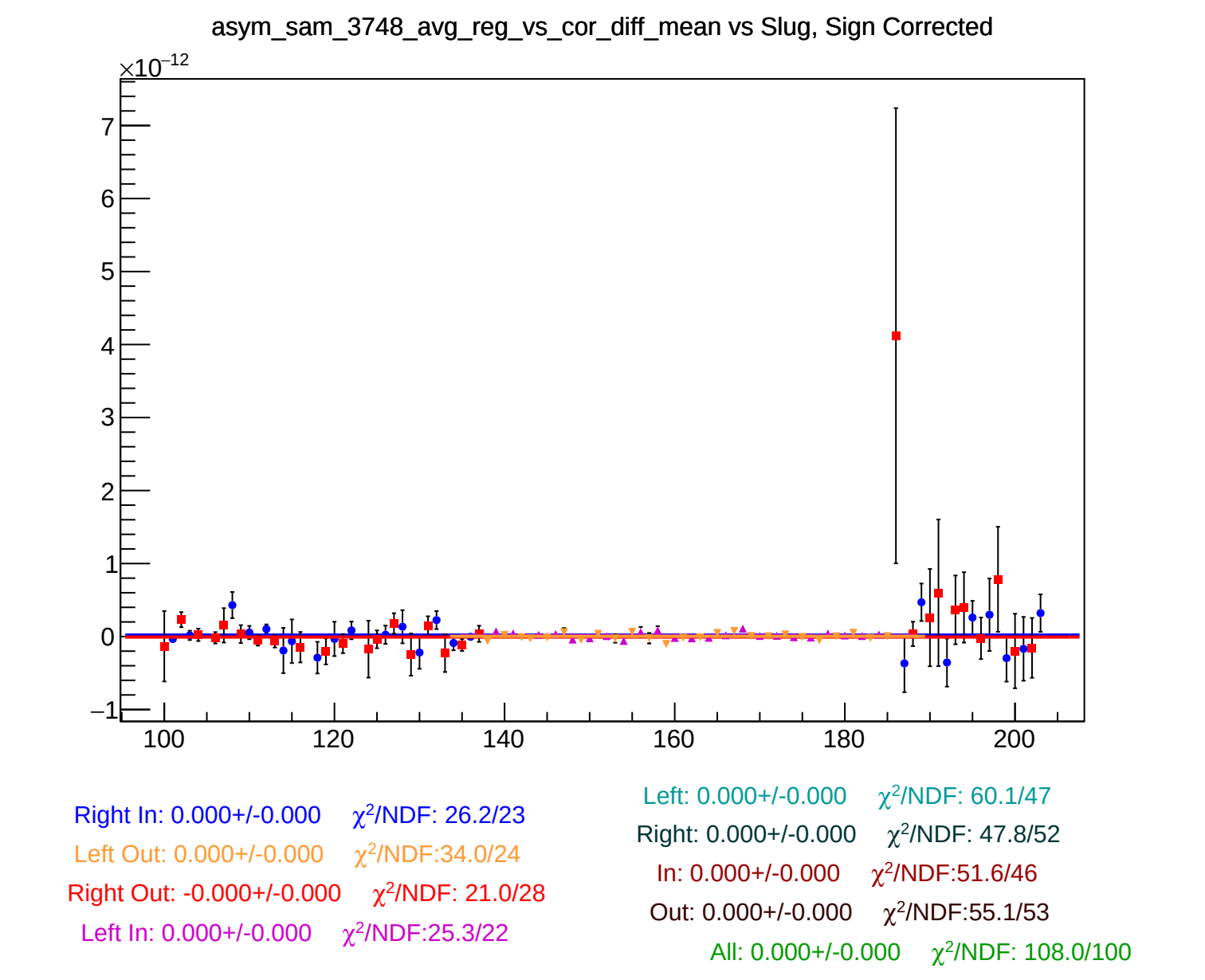
Left: 792.126+/-0.093 χ^2/NDF: 2243184.1/47

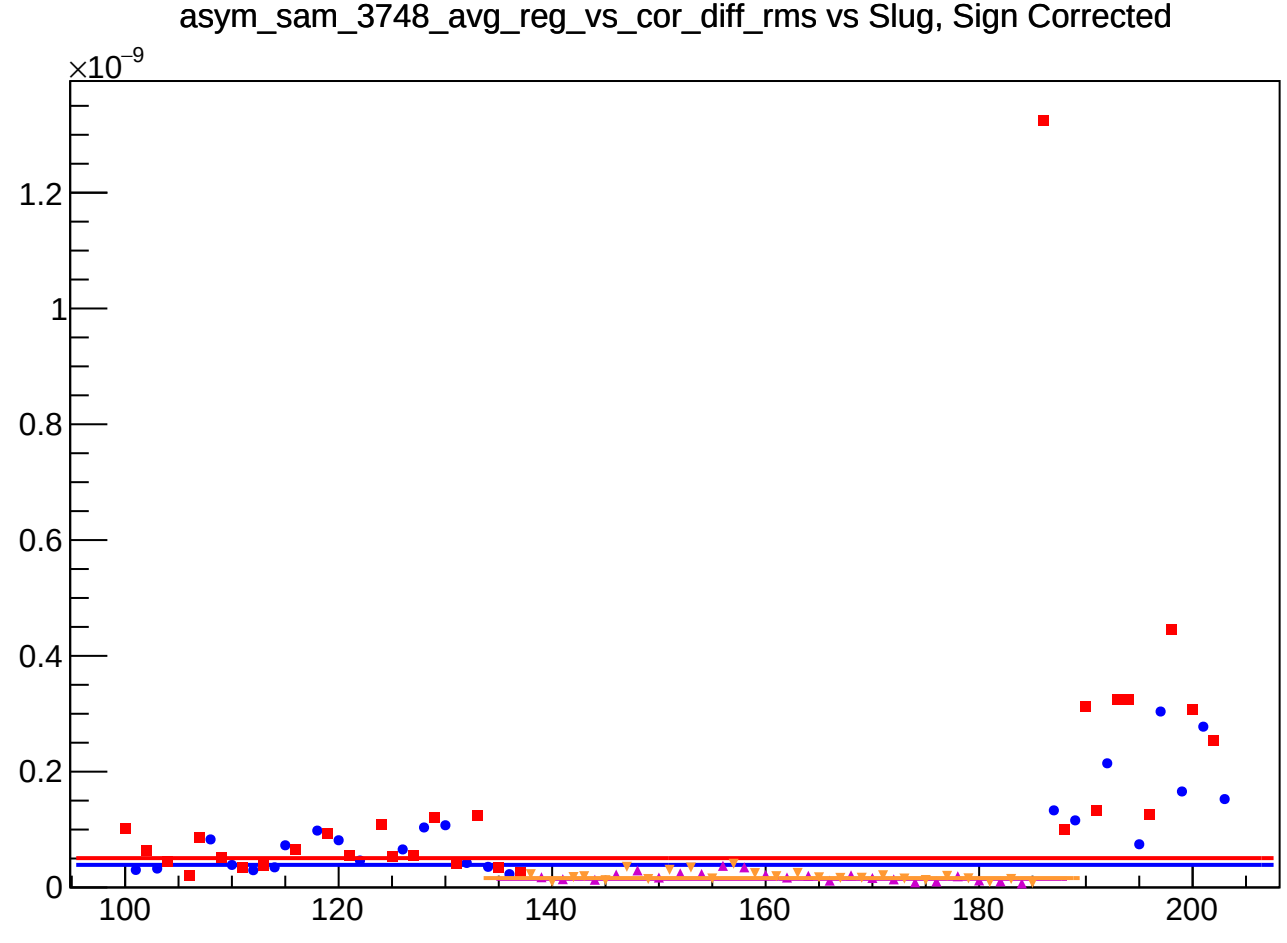
Right: 1278.984+/-0.191 χ^2/NDF: 10108002.6/52

In: 885.149+/-0.120 χ^2/NDF:7929143.5/46

Out: 885.857+/-0.117 χ^2/NDF:9691335.4/53

All: 885.512+/-0.084 χ^2/NDF: 17620496.9/10


asym_sam_3748_avg_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
7
6
5
4
3
2
1
0
−1
100
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 26.2/23
Left Out: 0.000+/-0.000 χ²/NDF:34.0/24
Right Out: -0.000+/-0.000 χ²/NDF: 21.0/28
Left In: 0.000+/-0.000 χ²/NDF:25.3/22
Left: 0.000+/-0.000 χ²/NDF: 60.1/47
Right: 0.000+/-0.000 χ²/NDF: 47.8/52
In: 0.000+/-0.000 χ²/NDF:51.6/46
Out: 0.000+/-0.000 χ²/NDF:55.1/53
All: 0.000+/-0.000 χ²/NDF: 108.0/100



Right In: 0.000+/-0.000 χ^2/NDF: 4046783.0/23

Left Out: 0.000+/-0.000 χ^2/NDF:1725685.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 5080268.7/28

Left In: 0.000+/-0.000 χ^2/NDF:1661952.2/22

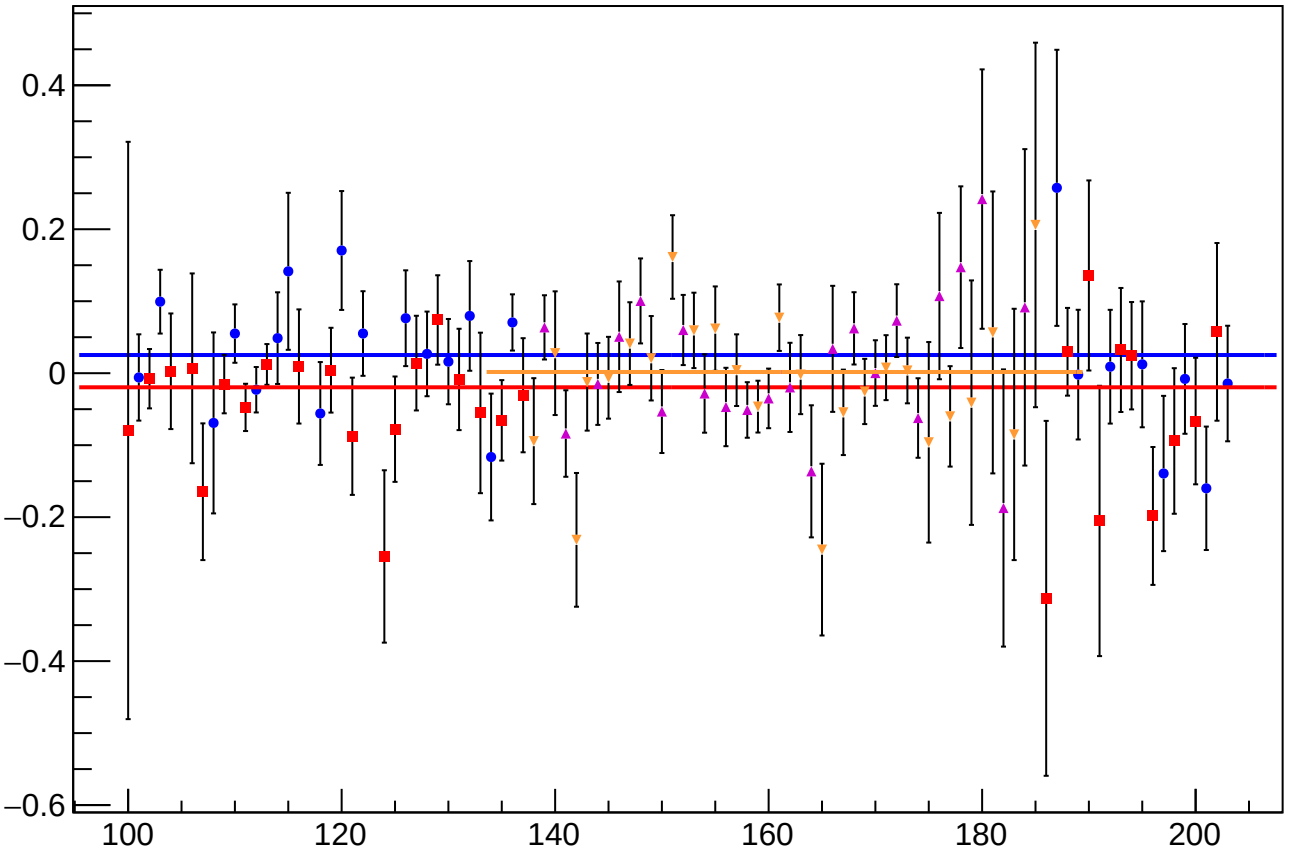
Left: 0.000+/-0.000 χ^2/NDF: 3428363.2/47

Right: 0.000+/-0.000 χ^2/NDF: 9364046.7/52

In: 0.000+/-0.000 χ^2/NDF:8043614.5/46

Out: 0.000+/-0.000 χ^2/NDF:10064025.1/53

All: 0.000+/-0.000 χ^2/NDF: 18153011.7/100



Right In: 0.025+/-0.013 χ^2/NDF: 26.5/23

Left Out: 0.002+/-0.012 χ^2/NDF:30.4/24

Right Out: -0.020+/-0.012 χ^2/NDF: 23.2/28

Left In: 0.002+/-0.012 χ^2/NDF:26.1/22

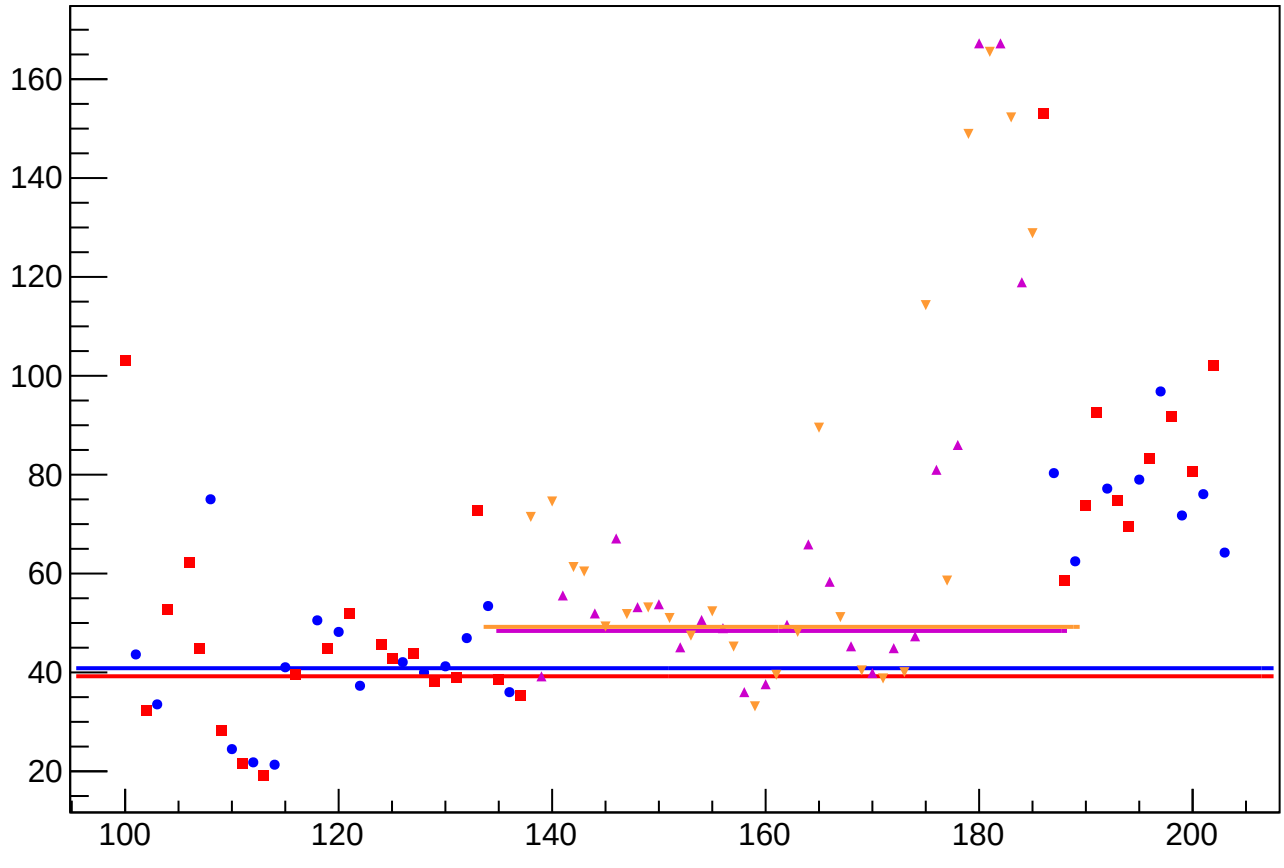
Left: 0.002+/-0.009 χ^2/NDF: 56.5/47

Right: 0.002+/-0.009 χ^2/NDF: 56.3/52

In: 0.013+/-0.009 χ^2/NDF:54.4/46

Out: -0.009+/-0.009 χ^2/NDF:55.2/53

All: 0.002+/-0.006 χ^2/NDF: 112.8/100



Right In: 40.853+/-0.009 χ^2/NDF: 3971111.0/23

Left Out: 49.216+/-0.009 χ^2/NDF:4171670.0/24

Right Out: 39.221+/-0.009 χ^2/NDF: 5758672.2/28

Left In: 48.392+/-0.009 χ^2/NDF:3033240.8/22

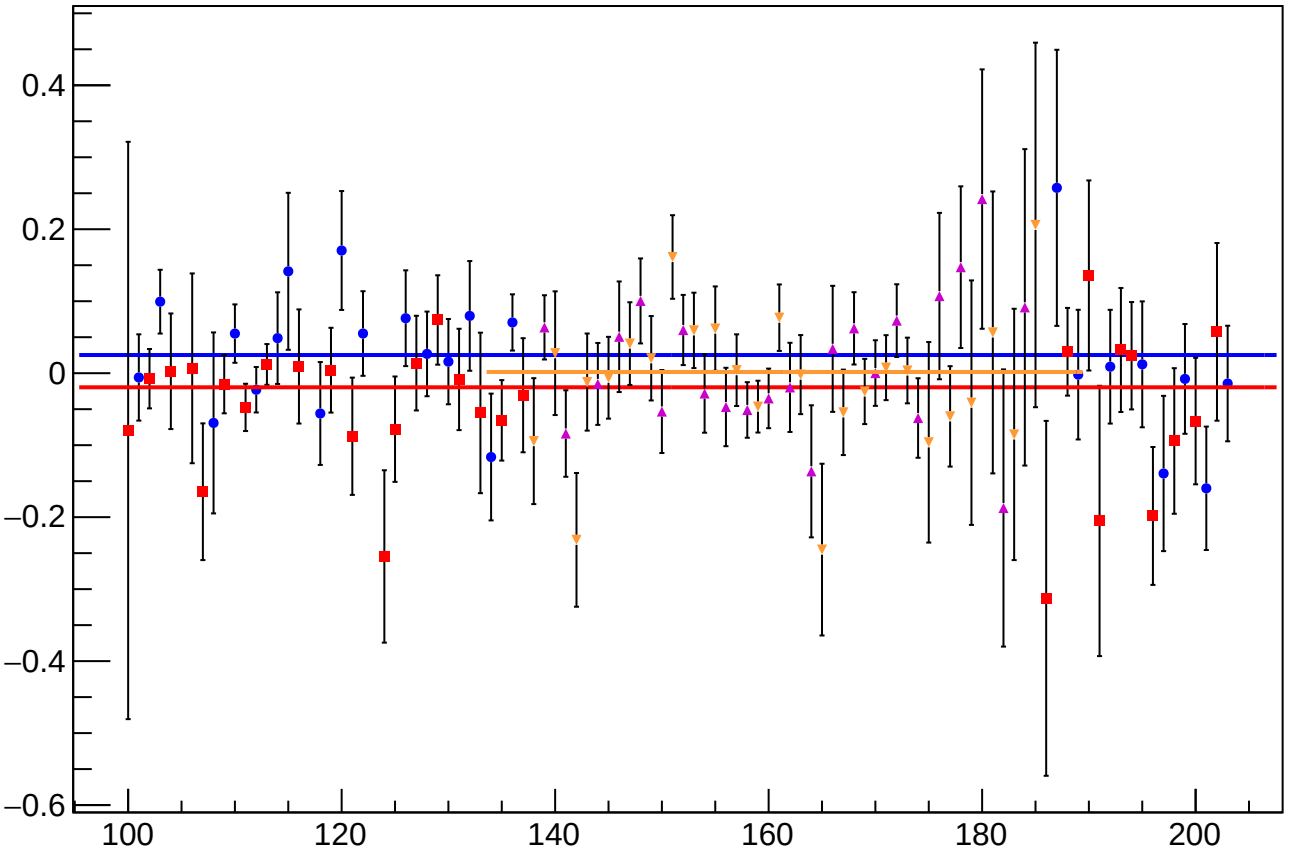
Left: 48.807+/-0.006 χ^2/NDF: 7209372.0/47

Right: 39.992+/-0.006 χ^2/NDF: 9747131.5/52

In: 44.730+/-0.006 χ^2/NDF:7365239.4/46

Out: 44.114+/-0.006 χ^2/NDF:10604772.6/53

All: 44.413+/-0.004 χ^2/NDF: 17974975.9/100



Right In: 0.025+/-0.013 χ^2/NDF: 26.5/23

Left Out: 0.002+/-0.012 χ^2/NDF:30.4/24

Right Out: -0.020+/-0.012 χ^2/NDF: 23.2/28

Left In: 0.002+/-0.012 χ^2/NDF:26.1/22

Left: 0.002+/-0.009 χ^2/NDF: 56.5/47

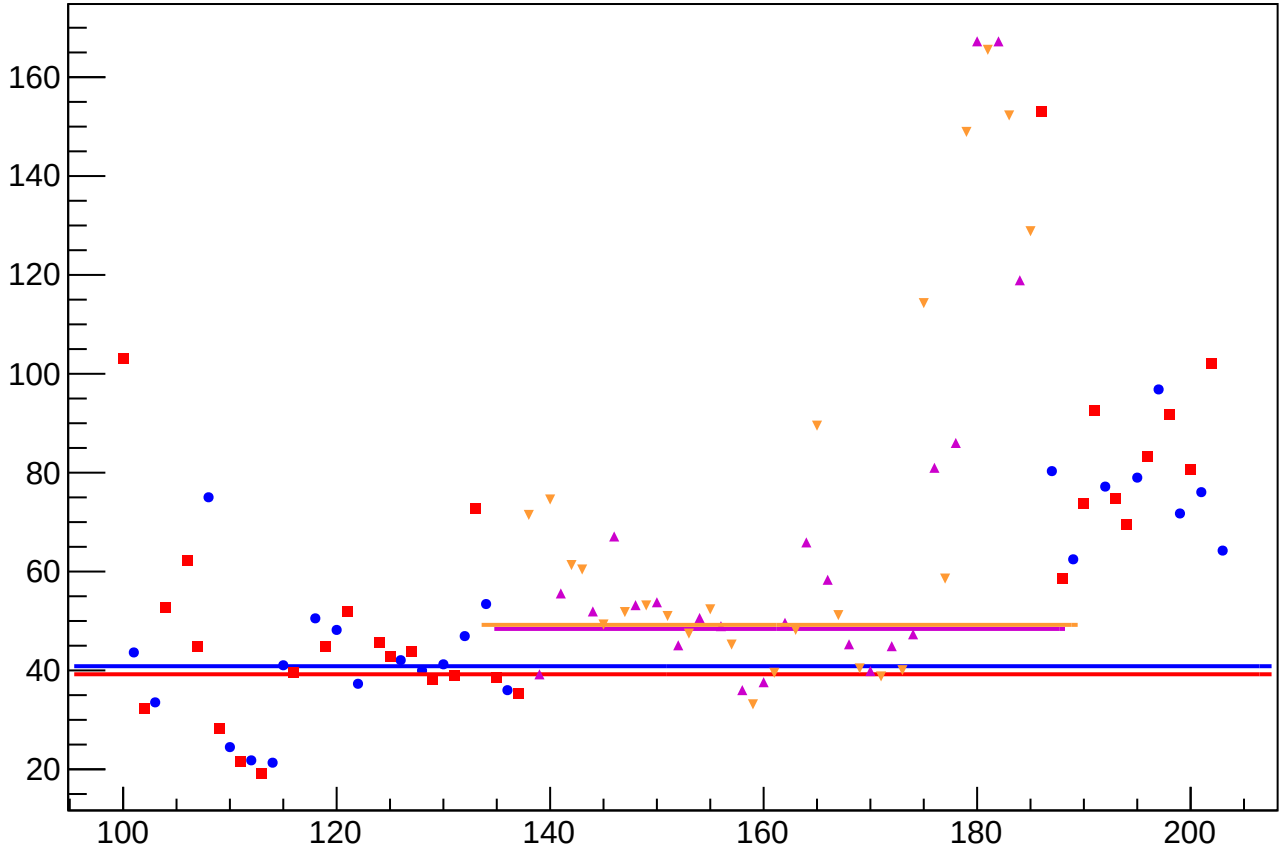
Right: 0.002+/-0.009 χ^2/NDF: 56.3/52

In: 0.013+/-0.009 χ^2/NDF:54.4/46

Out: -0.009+/-0.009 χ^2/NDF:55.2/53

All: 0.002+/-0.006 χ^2/NDF: 112.8/100

asym_sam_3748_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 40.853+/-0.009 χ^2/NDF: 3971111.0/23

Left Out: 49.216+/-0.009 χ^2/NDF:4171670.0/24

Right Out: 39.221+/-0.009 χ^2/NDF: 5758672.2/28

Left In: 48.392+/-0.009 χ^2/NDF:3033240.8/22

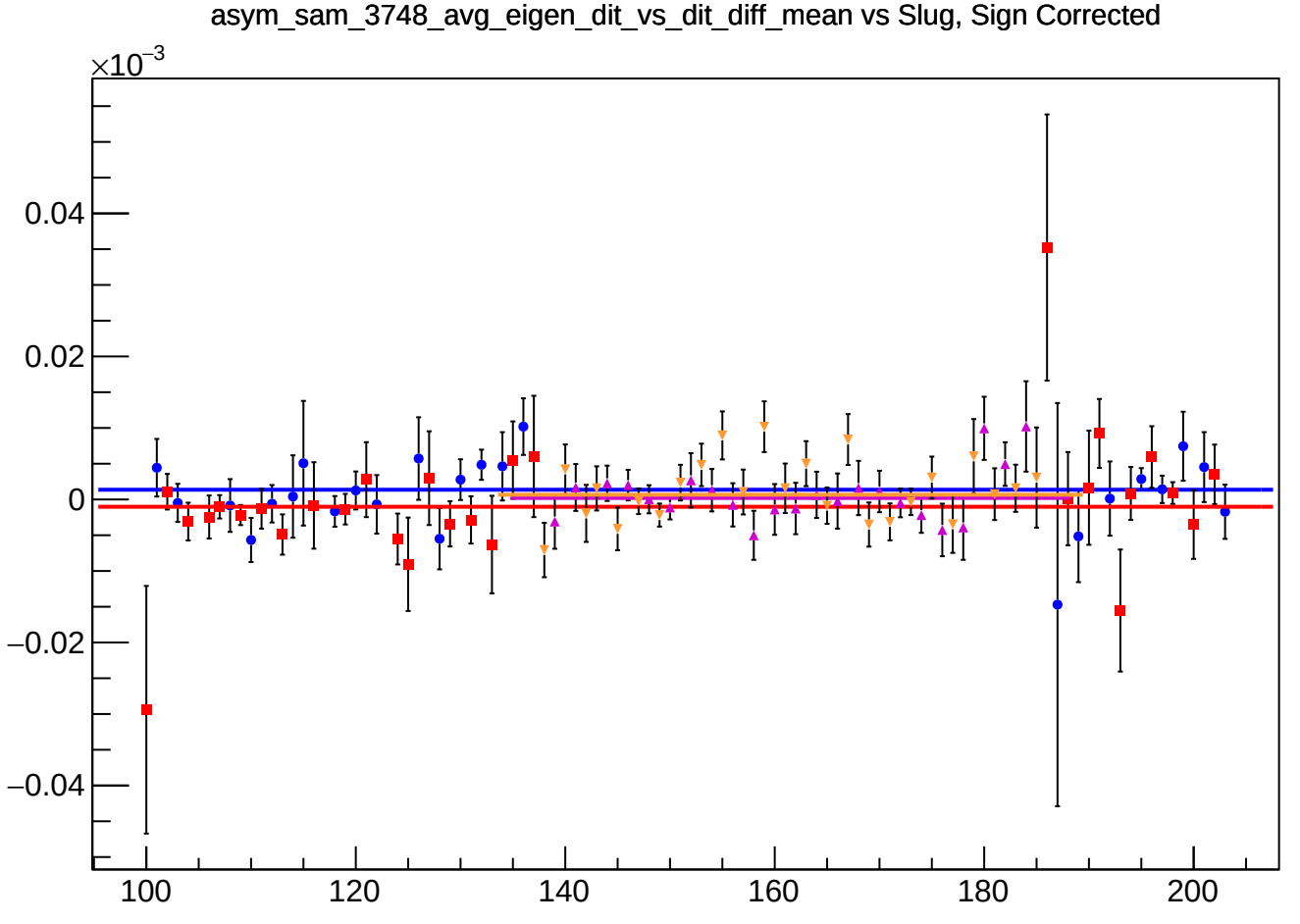
Left: 48.807+/-0.006 χ^2/NDF: 7209372.0/47

Right: 39.992+/-0.006 χ^2/NDF: 9747131.5/52

In: 44.730+/-0.006 χ^2/NDF:7365239.4/46

Out: 44.114+/-0.006 χ^2/NDF:10604772.6/53

All: 44.413+/-0.004 χ^2/NDF: 17974975.9/100



Right In: 0.000+/-0.000 χ^2/NDF: 26.2/23

Left Out: 0.000+/-0.000 χ^2/NDF:41.7/24

Right Out: -0.000+/-0.000 χ^2/NDF: 31.8/28

Left In: 0.000+/-0.000 χ^2/NDF:19.8/22

Left: 0.000+/-0.000 χ^2/NDF: 61.7/47

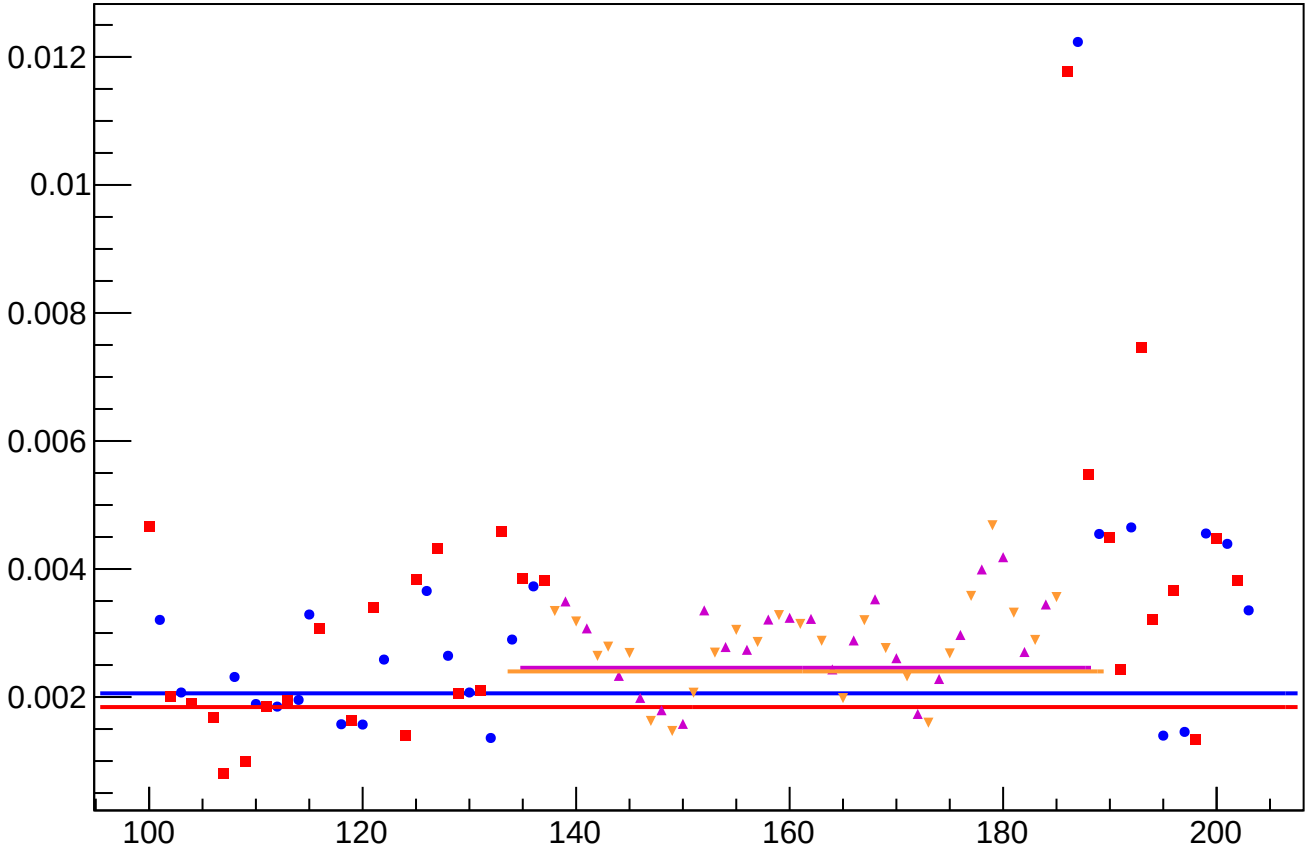
Right: 0.000+/-0.000 χ^2/NDF: 65.6/52

In: 0.000+/-0.000 χ^2/NDF:47.7/46

Out: -0.000+/-0.000 χ^2/NDF:77.7/53

All: 0.000+/-0.000 χ^2/NDF: 127.8/100

asym_sam_3748_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.002+/-0.000 χ^2/NDF: 4120867.2/23

Left Out: 0.002+/-0.000 χ^2/NDF:3123870.1/24

Right Out: 0.002+/-0.000 χ^2/NDF: 7335685.9/28

Left In: 0.002+/-0.000 χ^2/NDF:2629718.7/22

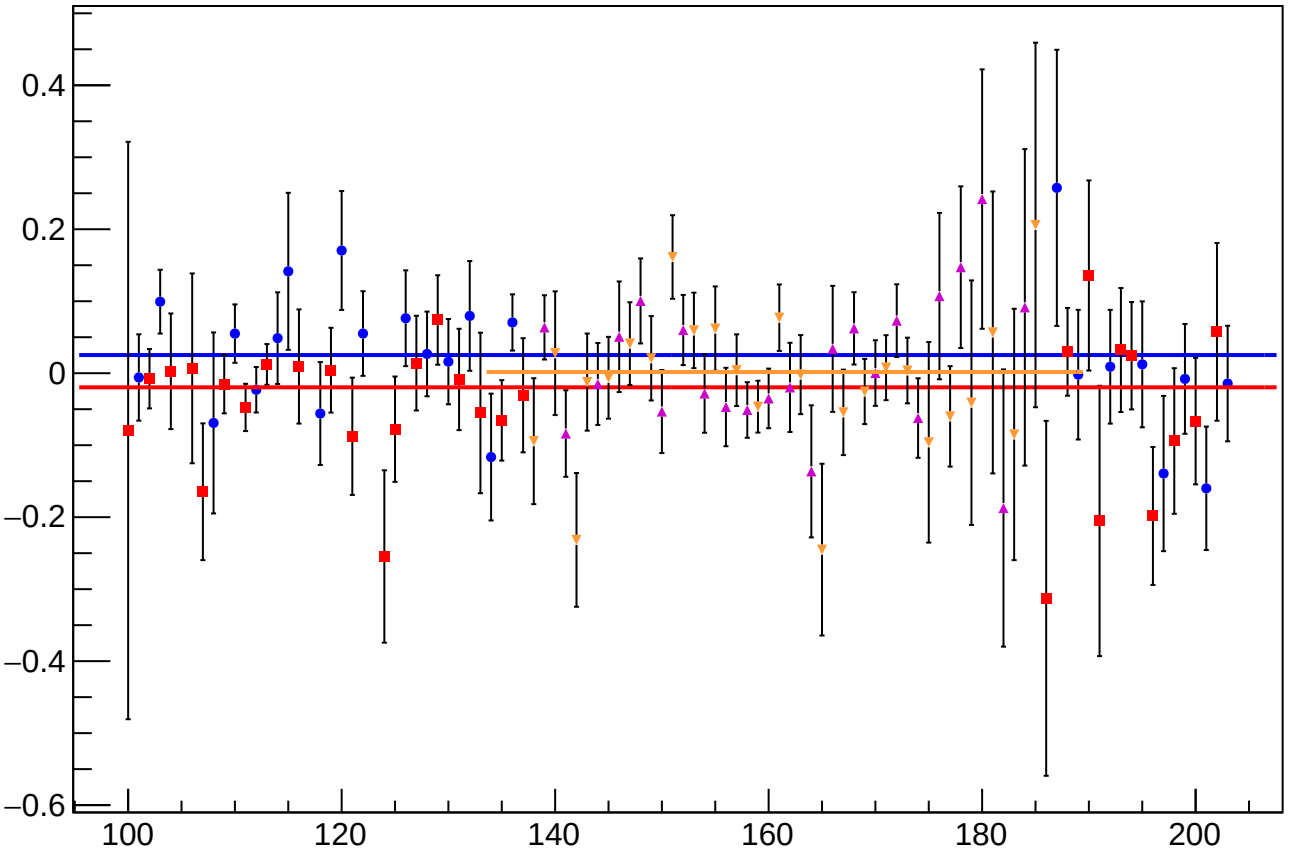
Left: 0.002+/-0.000 χ^2/NDF: 5762873.5/47

Right: 0.002+/-0.000 χ^2/NDF: 11580412.4/52

In: 0.002+/-0.000 χ^2/NDF:7163904.9/46

Out: 0.002+/-0.000 χ^2/NDF:11394846.5/53

All: 0.002+/-0.000 χ^2/NDF: 18676125.2/100



Right In: 0.025+/-0.013 χ^2/NDF: 26.5/23

Left Out: 0.002+/-0.012 χ^2/NDF:30.4/24

Right Out: -0.020+/-0.012 χ^2/NDF: 23.2/28

Left In: 0.002+/-0.012 χ^2/NDF:26.1/22

Left: 0.002+/-0.009 χ^2/NDF: 56.5/47

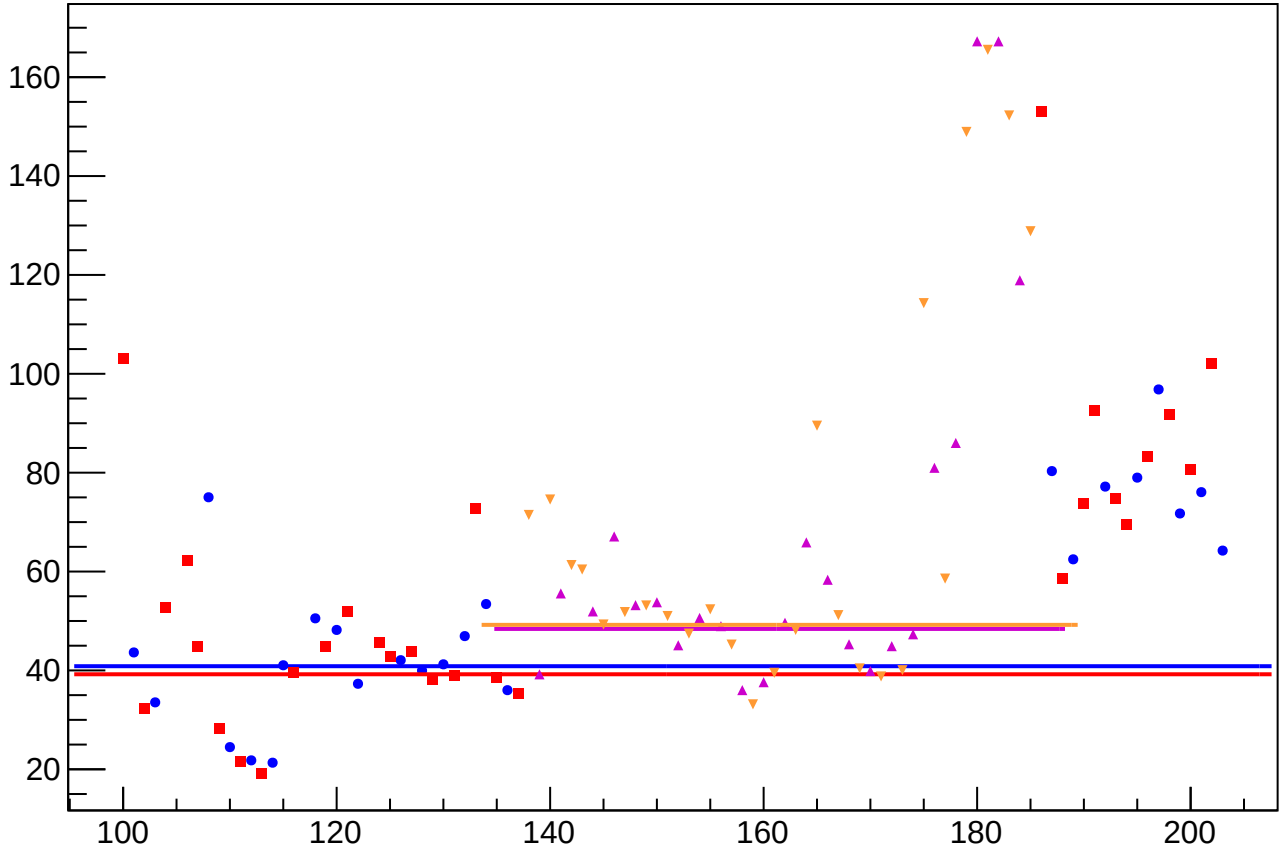
Right: 0.002+/-0.009 χ^2/NDF: 56.3/52

In: 0.013+/-0.009 χ^2/NDF:54.4/46

Out: -0.009+/-0.009 χ^2/NDF:55.2/53

All: 0.002+/-0.006 χ^2/NDF: 112.8/100

asym_sam_3748_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 40.853+/-0.009 χ^2/NDF: 3970994.7/23

Left Out: 49.217+/-0.009 χ^2/NDF:4171640.8/24

Right Out: 39.221+/-0.009 χ^2/NDF: 5758622.6/28

Left In: 48.393+/-0.009 χ^2/NDF:3033208.4/22

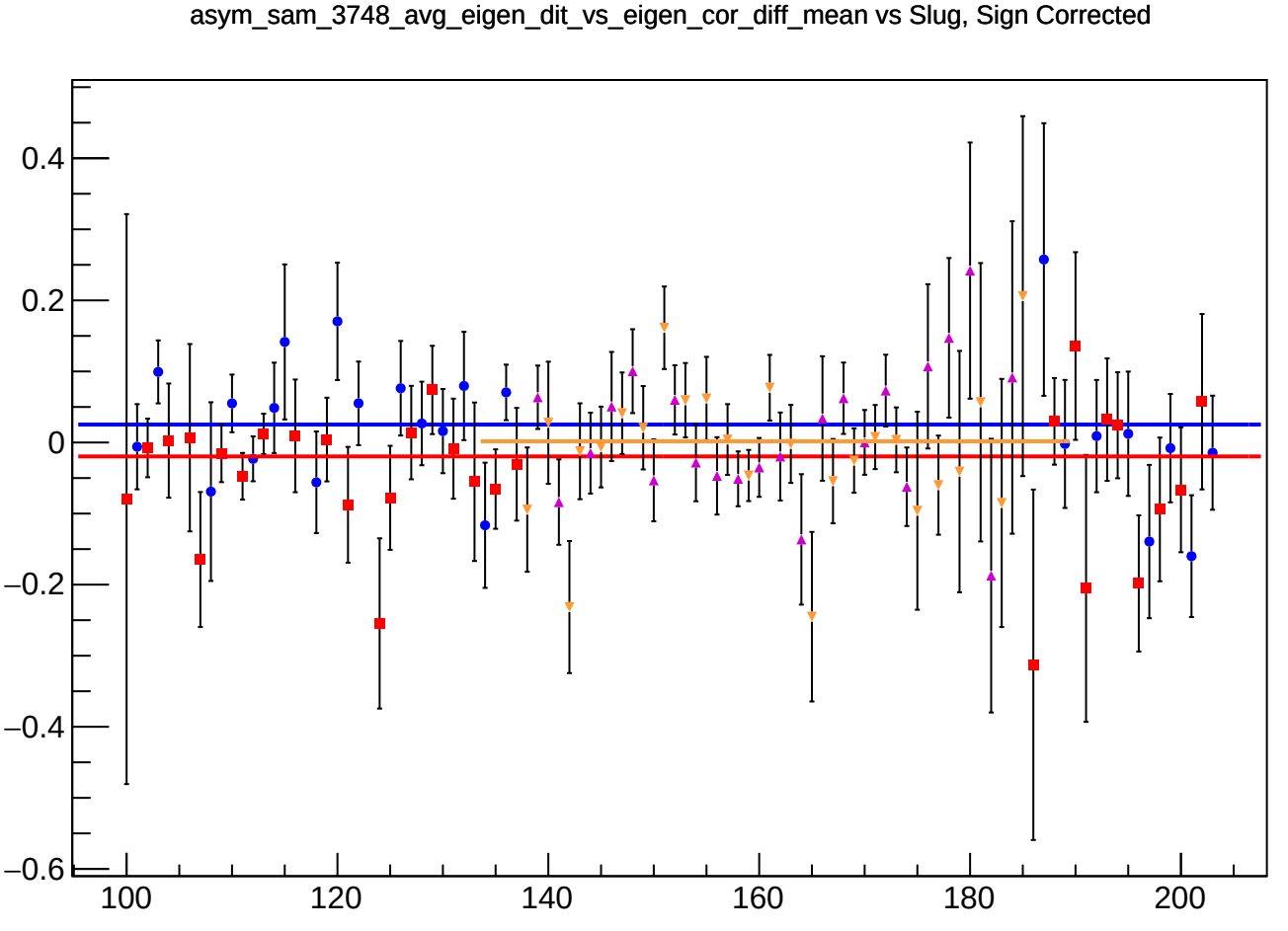
Left: 48.807+/-0.006 χ^2/NDF: 7209310.4/47

Right: 39.992+/-0.006 χ^2/NDF: 9746963.4/52

In: 44.730+/-0.006 χ^2/NDF:7365102.4/46

Out: 44.115+/-0.006 χ^2/NDF:10604695.2/53

All: 44.413+/-0.004 χ^2/NDF: 17974760.3/100



Right In: 0.025+/-0.013 χ^2/NDF: 26.5/23

Left Out: 0.002+/-0.012 χ^2/NDF:30.4/24

Right Out: -0.020+/-0.012 χ^2/NDF: 23.2/28

Left In: 0.002+/-0.012 χ^2/NDF:26.1/22

Left: 0.002+/-0.009 χ^2/NDF: 56.5/47

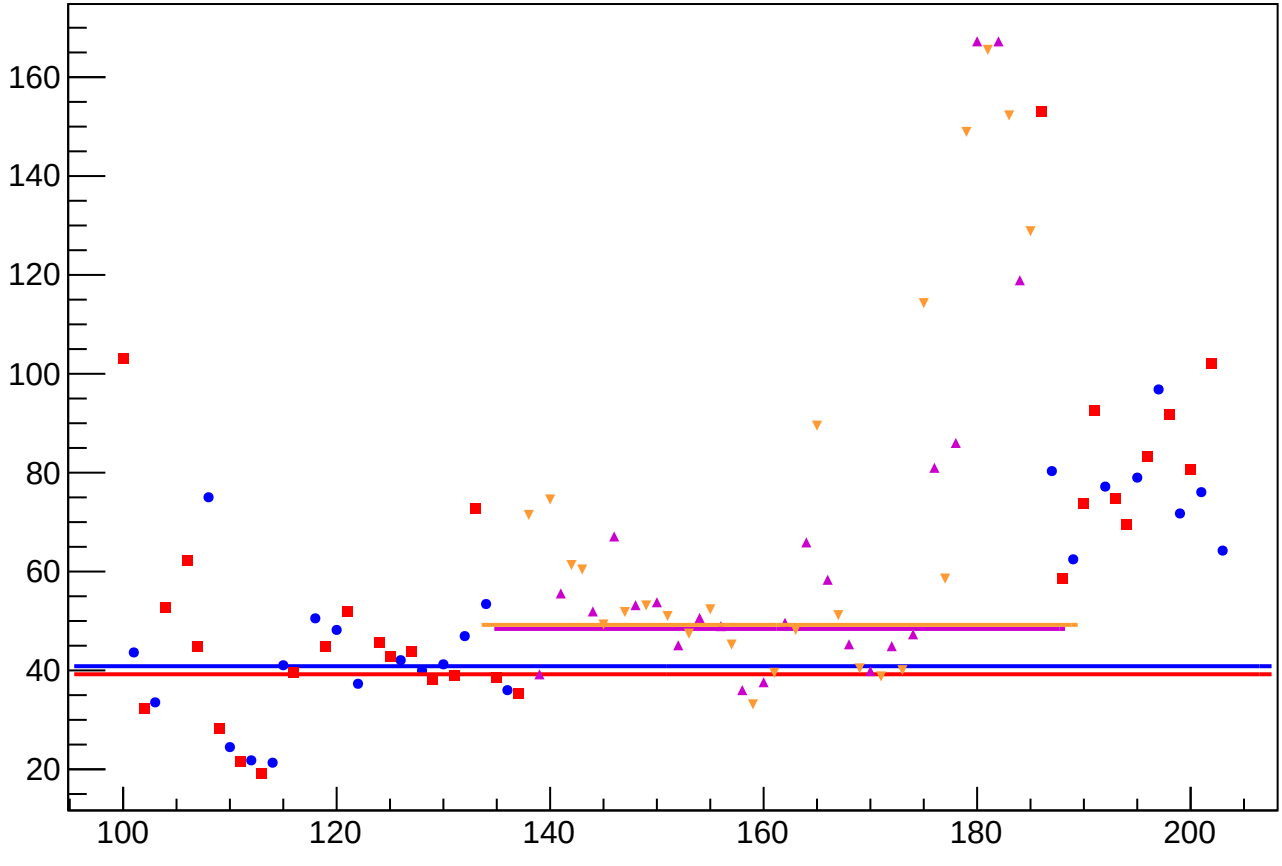
Right: 0.002+/-0.009 χ^2/NDF: 56.3/52

In: 0.013+/-0.009 χ^2/NDF:54.4/46

Out: -0.009+/-0.009 χ^2/NDF:55.2/53

All: 0.002+/-0.006 χ^2/NDF: 112.8/100

asym_sam_3748_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 40.853+/-0.009 χ^2/NDF: 3970994.7/23

Left Out: 49.217+/-0.009 χ^2/NDF:4171640.8/24

Right Out: 39.221+/-0.009 χ^2/NDF: 5758622.6/28

Left In: 48.393+/-0.009 χ^2/NDF:3033208.4/22

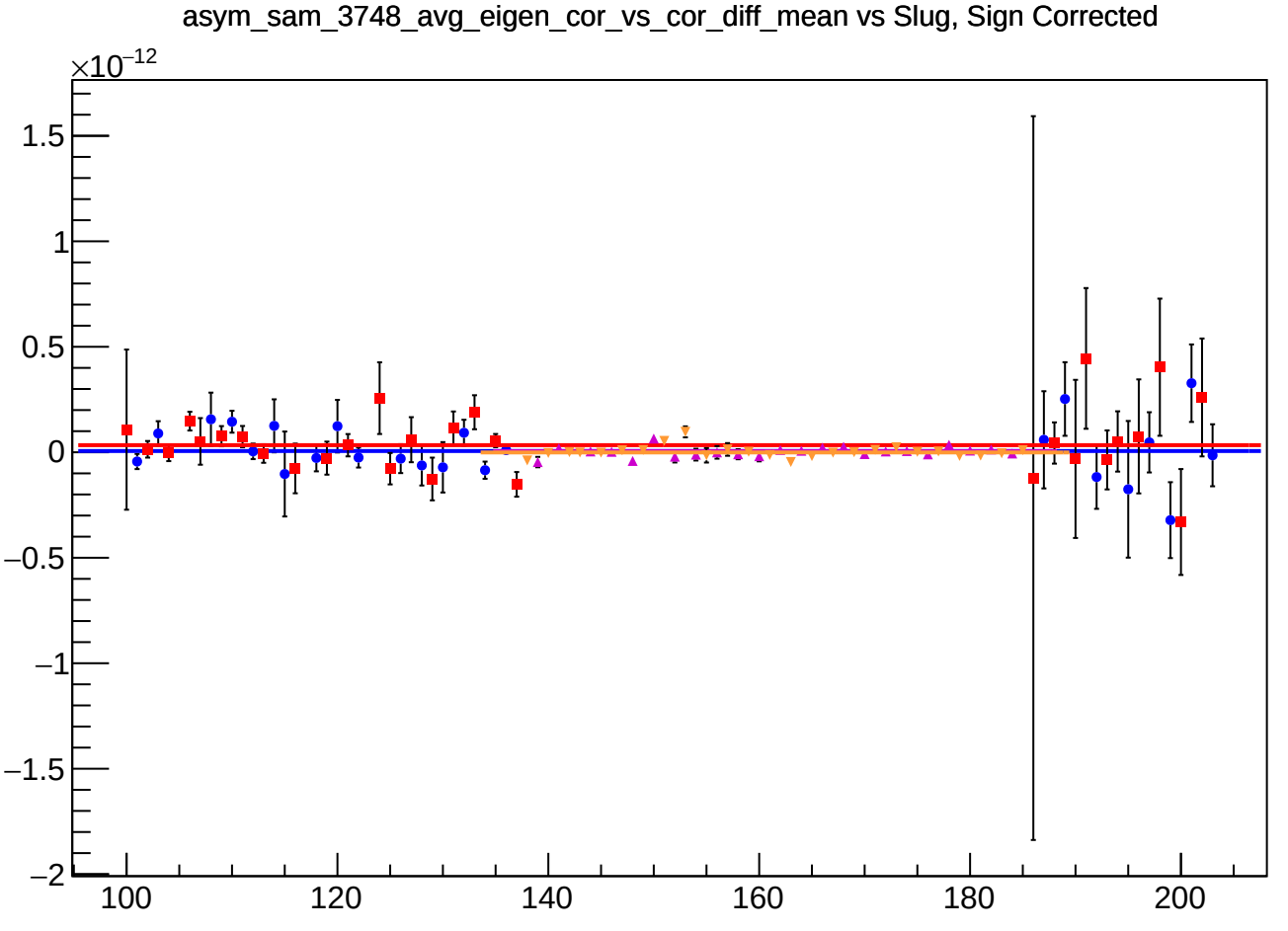
Left: 48.807+/-0.006 χ^2/NDF: 7209310.4/47

Right: 39.992+/-0.006 χ^2/NDF: 9746963.4/52

In: 44.730+/-0.006 χ^2/NDF:7365102.4/46

Out: 44.115+/-0.006 χ^2/NDF:10604695.2/53

All: 44.413+/-0.004 χ^2/NDF: 17974760.3/100



Right In: 0.000+/-0.000 χ^2/NDF: 33.1/23

Left Out: -0.000+/-0.000 χ^2/NDF:37.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 39.4/28

Left In: 0.000+/-0.000 χ^2/NDF:28.4/22

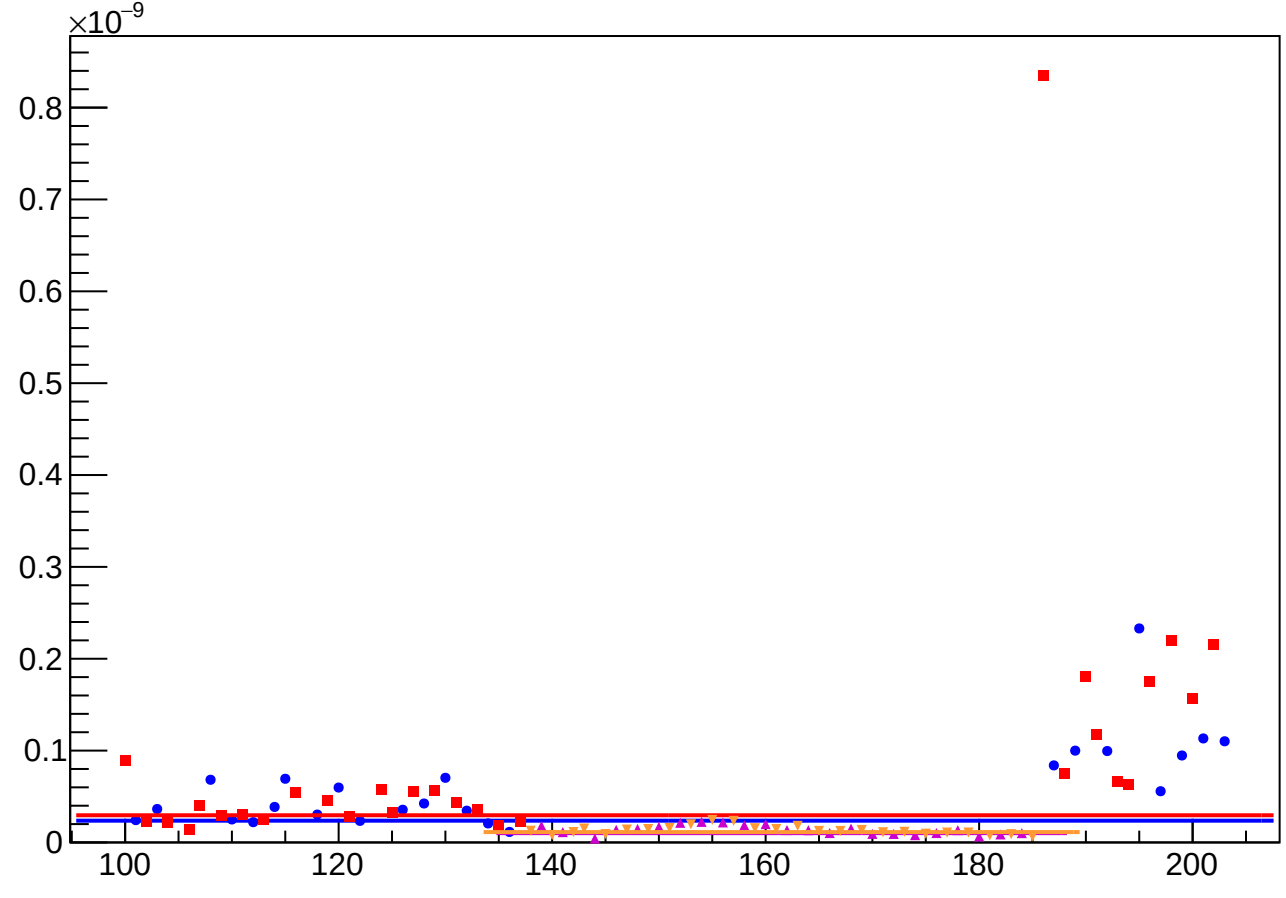
Left: 0.000+/-0.000 χ^2/NDF: 67.2/47

Right: 0.000+/-0.000 χ^2/NDF: 75.2/52

In: 0.000+/-0.000 χ^2/NDF:61.5/46

Out: 0.000+/-0.000 χ^2/NDF:83.2/53

All: 0.000+/-0.000 χ^2/NDF: 145.6/100



Right In: 0.000+/-0.000 χ^2/NDF: 5618331.3/23

Left Out: 0.000+/-0.000 χ^2/NDF:2206266.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 5573676.9/28

Left In: 0.000+/-0.000 χ^2/NDF:4024430.8/22

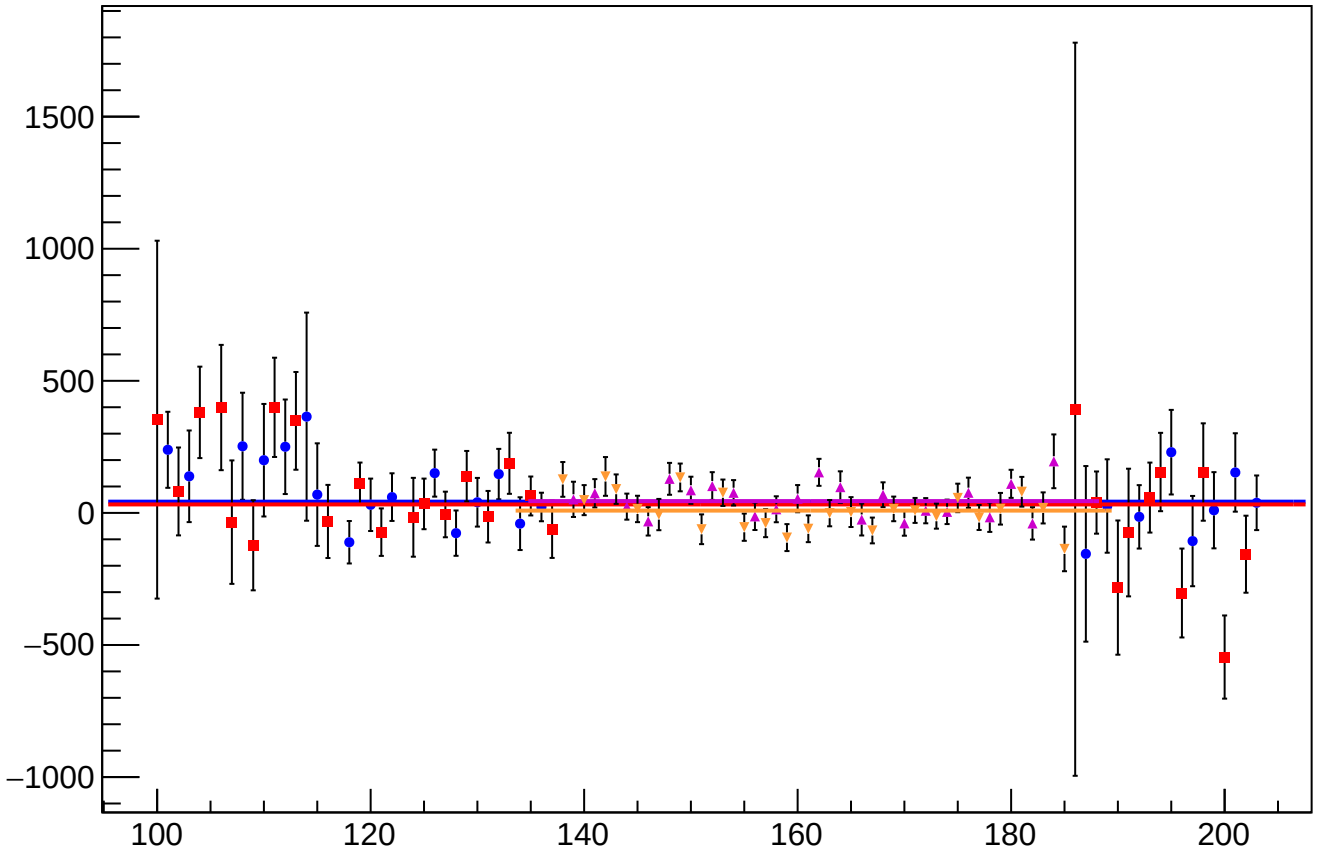
Left: 0.000+/-0.000 χ^2/NDF: 6357070.7/47

Right: 0.000+/-0.000 χ^2/NDF: 11433132.2/52

In: 0.000+/-0.000 χ^2/NDF:12343608.6/46

Out: 0.000+/-0.000 χ^2/NDF:11647148.2/53

All: 0.000+/-0.000 χ^2/NDF: 24158129.9/100



Right In: 42.554+/-23.092 χ^2/NDF: 18.3/23

Left Out: 8.756+/-10.770 χ^2/NDF:34.6/24

Right Out: 32.109+/-23.956 χ^2/NDF: 43.6/28

Left In: 44.541+/-11.149 χ^2/NDF:27.0/22

Left: 26.030+/-7.746 χ^2/NDF: 66.9/47

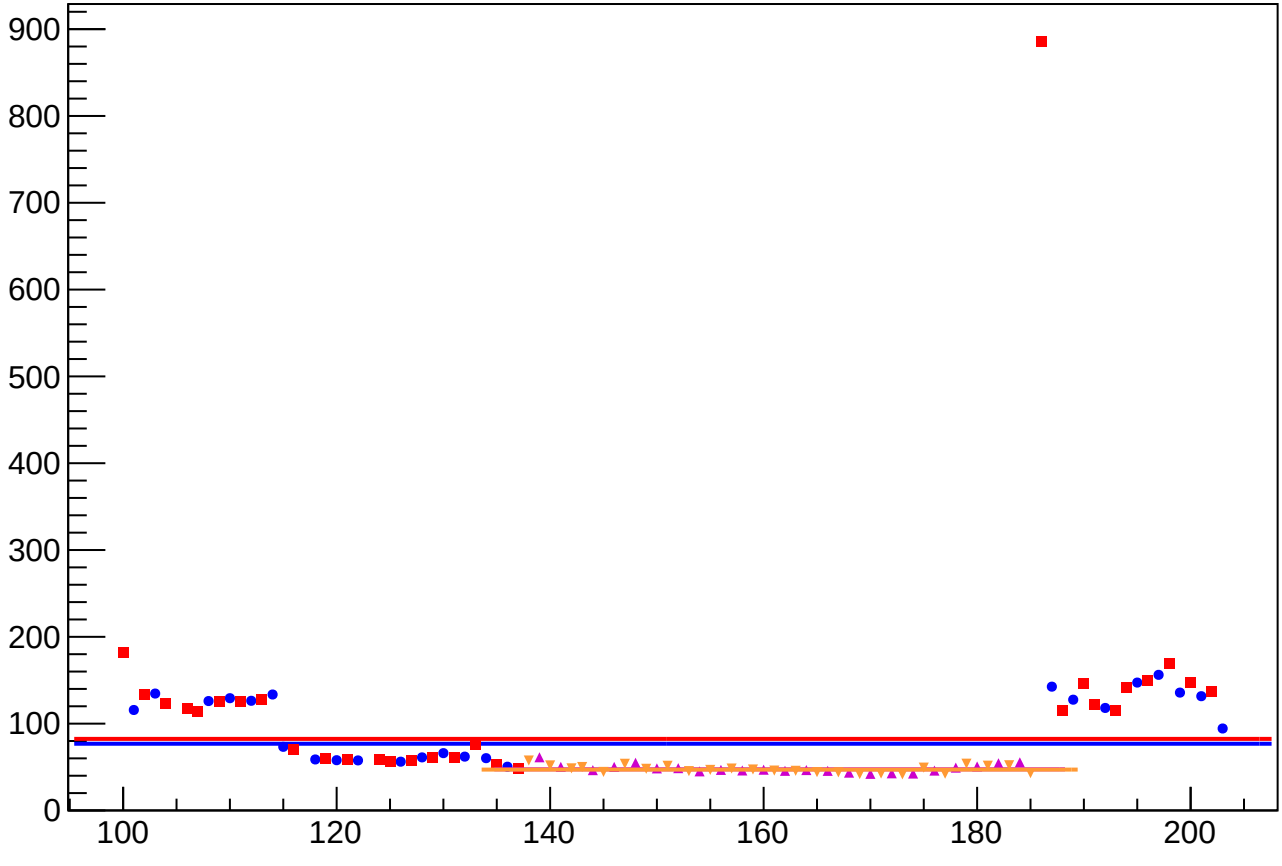
Right: 37.523+/-16.626 χ^2/NDF: 62.0/52

In: 44.166+/-10.040 χ^2/NDF:45.3/46

Out: 12.682+/-9.823 χ^2/NDF:79.0/53

All: 28.080+/-7.021 χ^2/NDF: 129.3/100

reg_asym_sam_1526_avg_rms vs Slug, Sign Corrected



Right In: 76.849+/-0.016 χ^2/NDF: 3815401.2/23

Left Out: 47.064+/-0.008 χ^2/NDF:287590.7/24

Right Out: 82.443+/-0.017 χ^2/NDF: 4982780.8/28

Left In: 47.384+/-0.008 χ^2/NDF:271036.5/22

Left: 47.218+/-0.005 χ^2/NDF: 559476.9/47

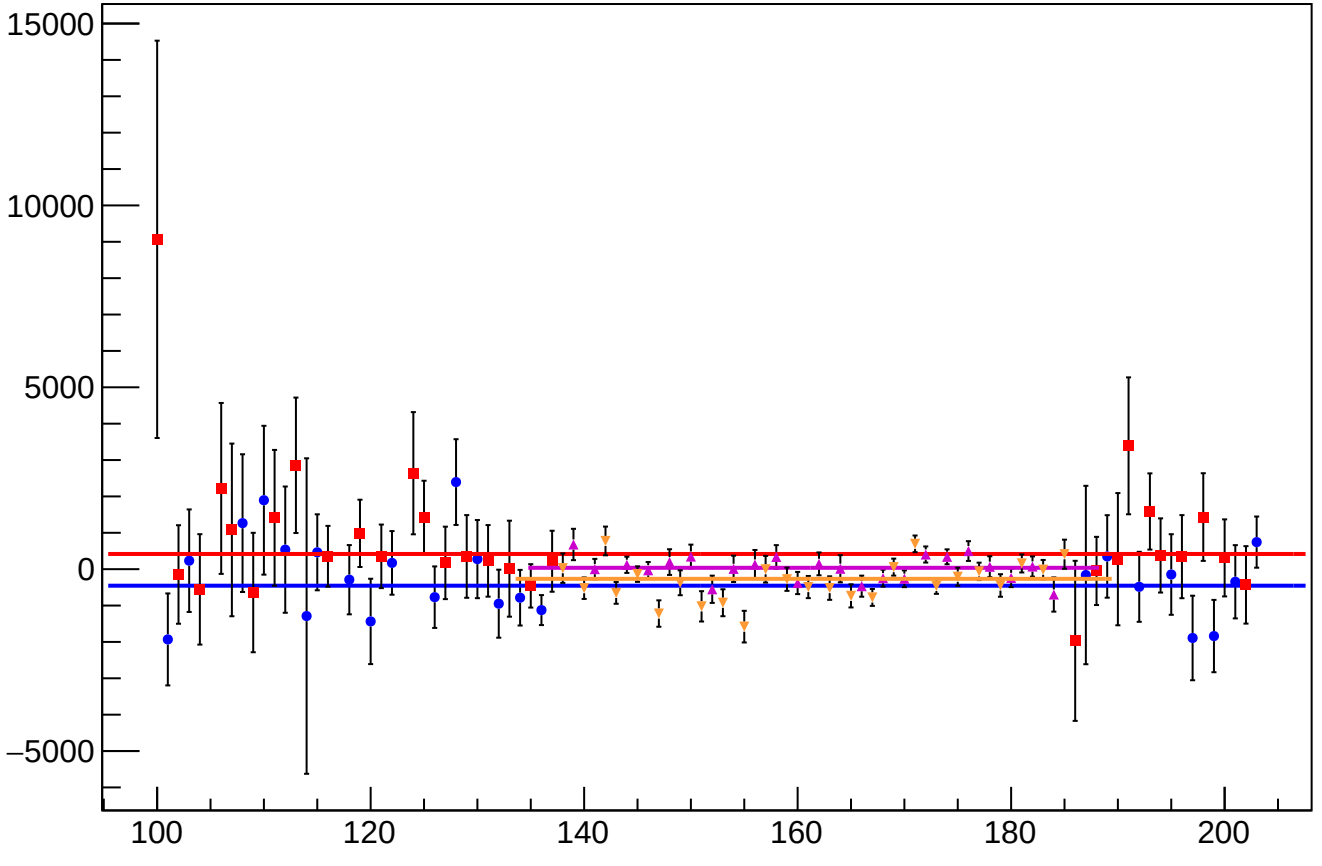
Right: 79.543+/-0.012 χ^2/NDF: 8854726.0/52

In: 52.953+/-0.007 χ^2/NDF:6727141.8/46

Out: 53.012+/-0.007 χ^2/NDF:8899057.4/53

All: 52.983+/-0.005 χ^2/NDF: 15626234.3/100

asym_sam_1526_avg_reg_correction_mean vs Slug, Sign Corrected



Right In: -454.295+/-198.374 χ^2/NDF: 22.7/23

Left Out: -265.684+/-58.031 χ^2/NDF:69.8/24

Right Out: 417.908+/-212.039 χ^2/NDF: 18.3/28

Left In: 37.530+/-59.159 χ^2/NDF:26.6/22

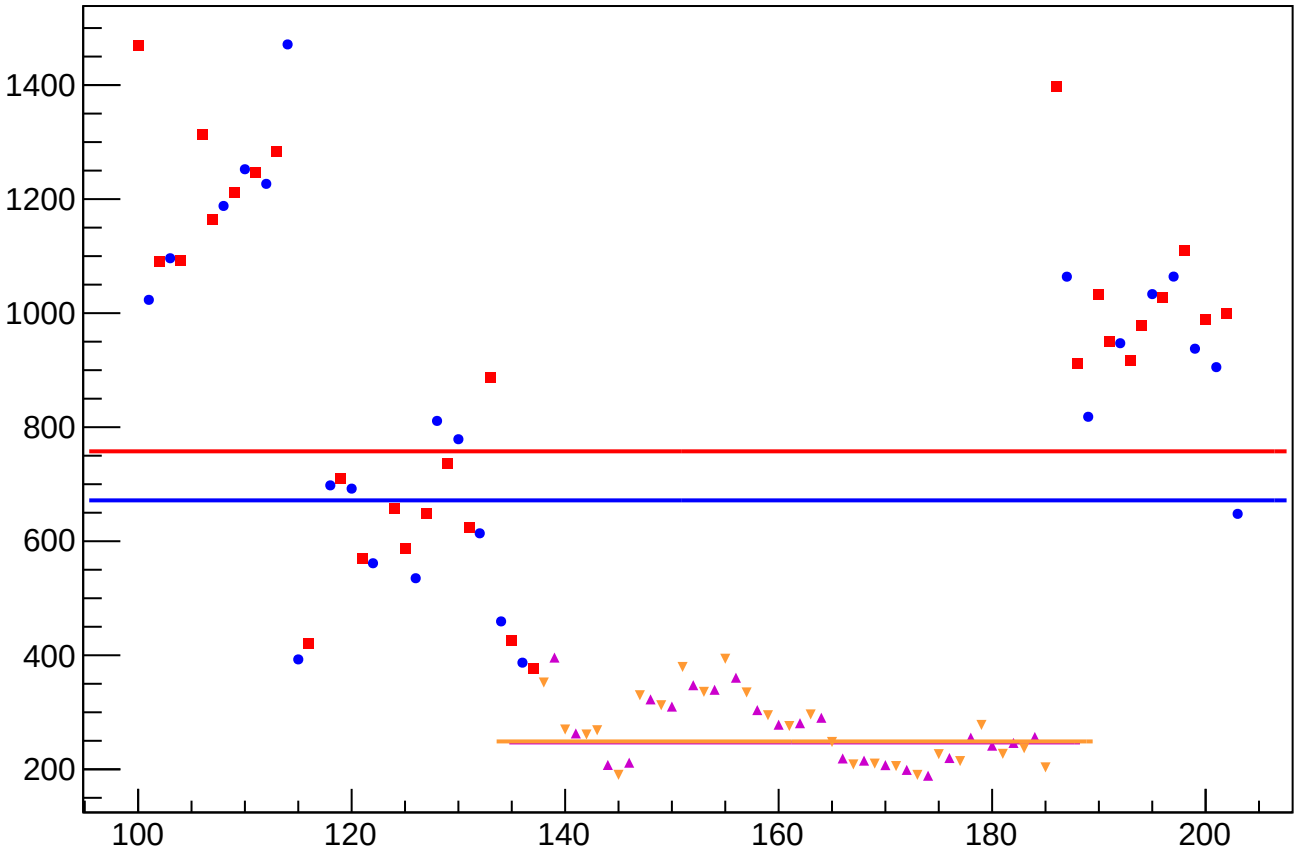
Left: -116.996+/-41.427 χ^2/NDF: 109.8/47

Right: -47.202+/-144.862 χ^2/NDF: 50.0/52

In: -2.639+/-56.692 χ^2/NDF:54.9/46

Out: -218.049+/-55.973 χ^2/NDF:97.8/53

All: -111.719+/-39.831 χ^2/NDF: 160.0/100



Right In: 671.661+/-0.140 χ^2/NDF: 3253925.9/23

Left Out: 248.891+/-0.041 χ^2/NDF:1663709.5/24

Right Out: 757.661+/-0.150 χ^2/NDF: 3384305.4/28

Left In: 247.109+/-0.042 χ^2/NDF:1484450.6/22

Left: 248.017+/-0.029 χ^2/NDF: 3149084.7/47

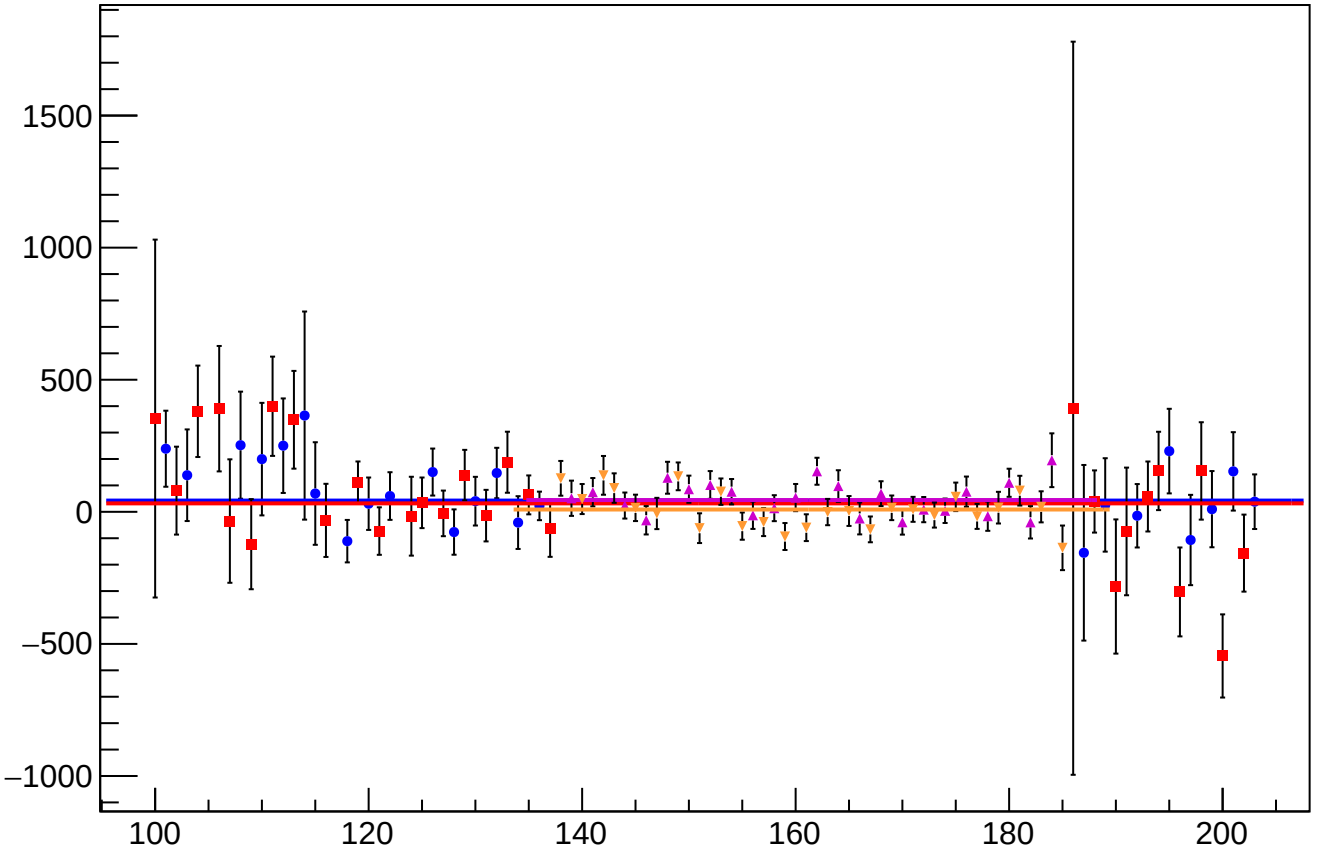
Right: 711.801+/-0.102 χ^2/NDF: 6813674.7/52

In: 281.783+/-0.040 χ^2/NDF:13150782.8/46

Out: 284.343+/-0.040 χ^2/NDF:15760096.2/53

All: 283.080+/-0.028 χ^2/NDF: 28912943.9/10

cor_asym_sam_1526_avg_mean vs Slug, Sign Corrected



Right In: 42.547+/-23.092 χ^2/NDF: 18.3/23

Left Out: 8.758+/-10.770 χ^2/NDF:34.6/24

Right Out: 31.990+/-23.957 χ^2/NDF: 43.5/28

Left In: 44.540+/-11.149 χ^2/NDF:27.0/22

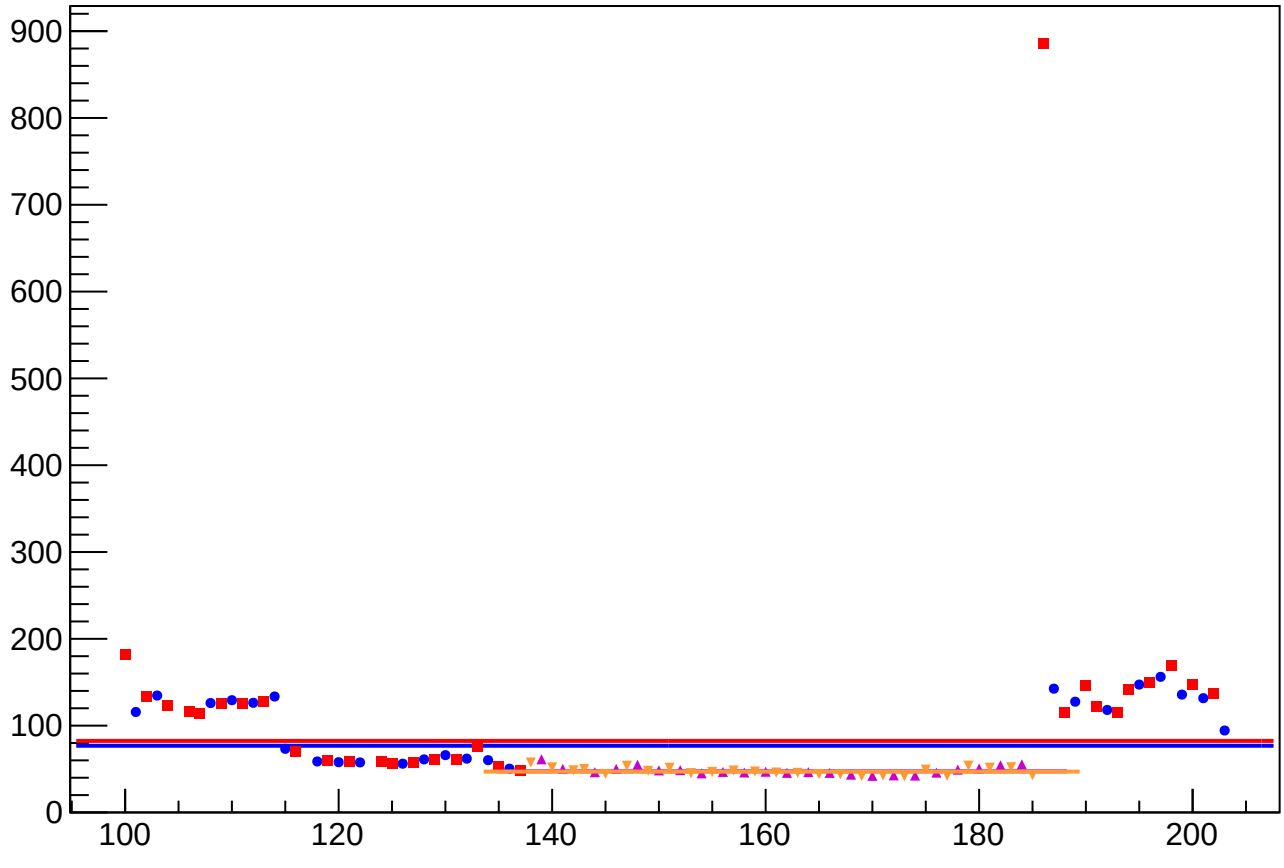
Left: 26.030+/-7.746 χ^2/NDF: 66.9/47

Right: 37.462+/-16.626 χ^2/NDF: 61.9/52

In: 44.163+/-10.040 χ^2/NDF:45.3/46

Out: 12.663+/-9.823 χ^2/NDF:78.9/53

All: 28.069+/-7.021 χ^2/NDF: 129.2/100



Right In: 76.849+/-0.016 χ^2/NDF: 3815403.5/23

Left Out: 47.064+/-0.008 χ^2/NDF:287590.7/24

Right Out: 82.432+/-0.017 χ^2/NDF: 4980507.7/28

Left In: 47.384+/-0.008 χ^2/NDF:271036.5/22

Left: 47.218+/-0.005 χ^2/NDF: 559476.9/47

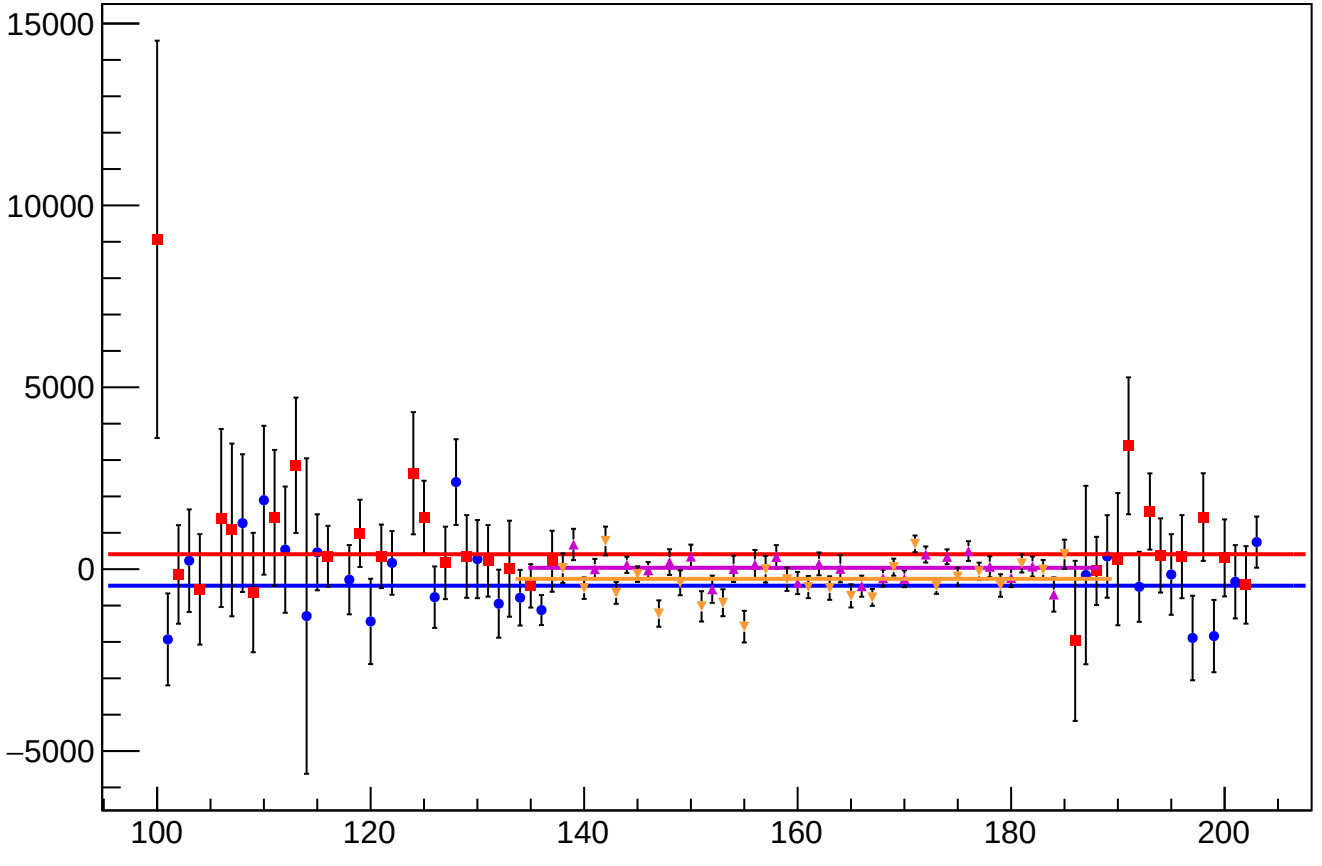
Right: 79.538+/-0.012 χ^2/NDF: 8852235.7/52

In: 52.953+/-0.007 χ^2/NDF:6727143.9/46

Out: 53.010+/-0.007 χ^2/NDF:8894429.1/53

All: 52.982+/-0.005 χ^2/NDF: 15621605.7/100

asym_sam_1526_avg_cor_correction_mean vs Slug, Sign Corrected



Right In: -454.284+/-198.374 χ^2/NDF: 22.7/23

Left Out: -265.680+/-58.031 χ^2/NDF:69.8/24

Right Out: 410.718+/-212.111 χ^2/NDF: 17.9/28

Left In: 37.527+/-59.159 χ^2/NDF:26.6/22

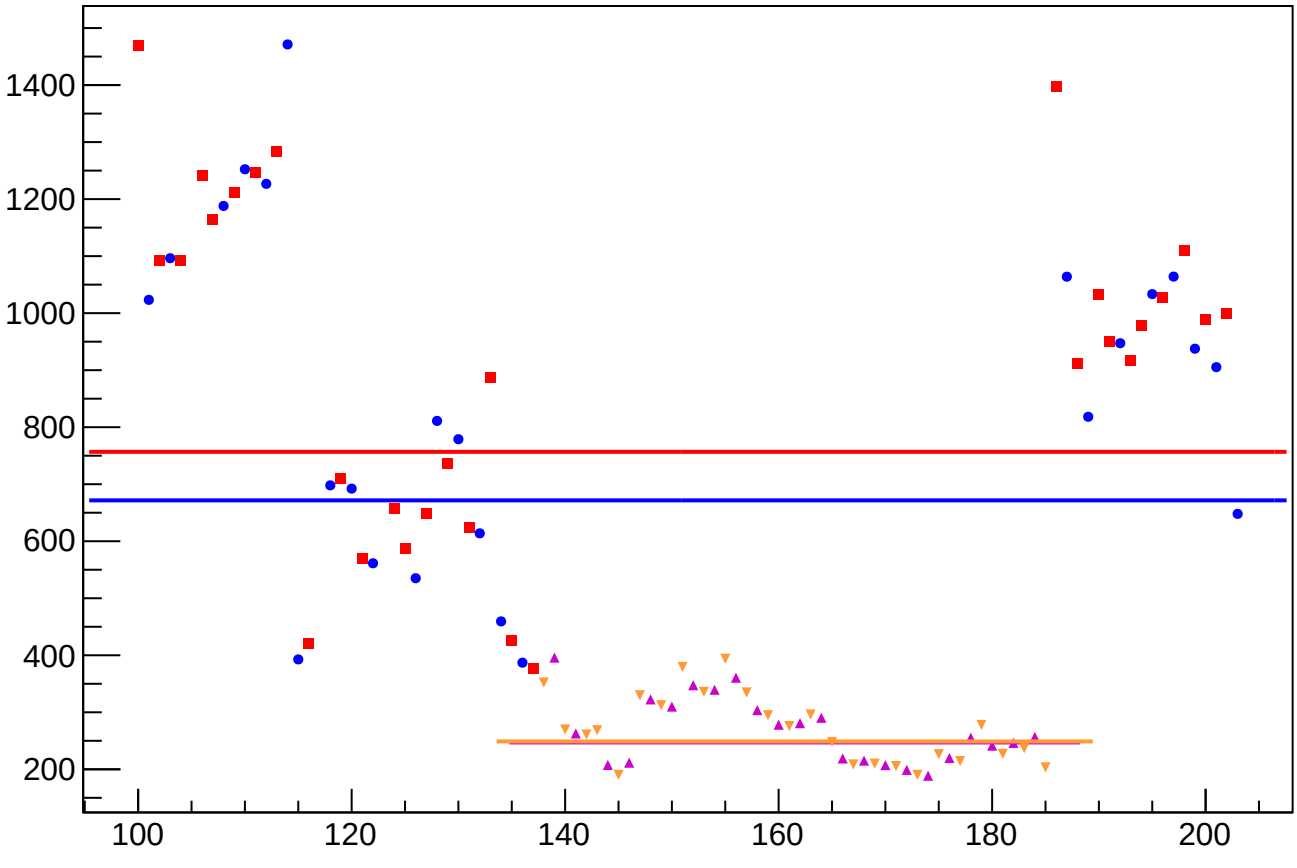
Left: -116.996+/-41.427 χ^2/NDF: 109.8/47

Right: -50.697+/-144.885 χ^2/NDF: 49.4/52

In: -2.641+/-56.692 χ^2/NDF:54.9/46

Out: -218.577+/-55.974 χ^2/NDF:97.1/53

All: -111.985+/-39.831 χ^2/NDF: 159.4/100



Right In: 671.661+/-0.140 χ^2/NDF: 3253966.0/23

Left Out: 248.891+/-0.041 χ^2/NDF:1663717.9/24

Right Out: 756.773+/-0.150 χ^2/NDF: 3350923.5/28

Left In: 247.109+/-0.042 χ^2/NDF:1484445.1/22

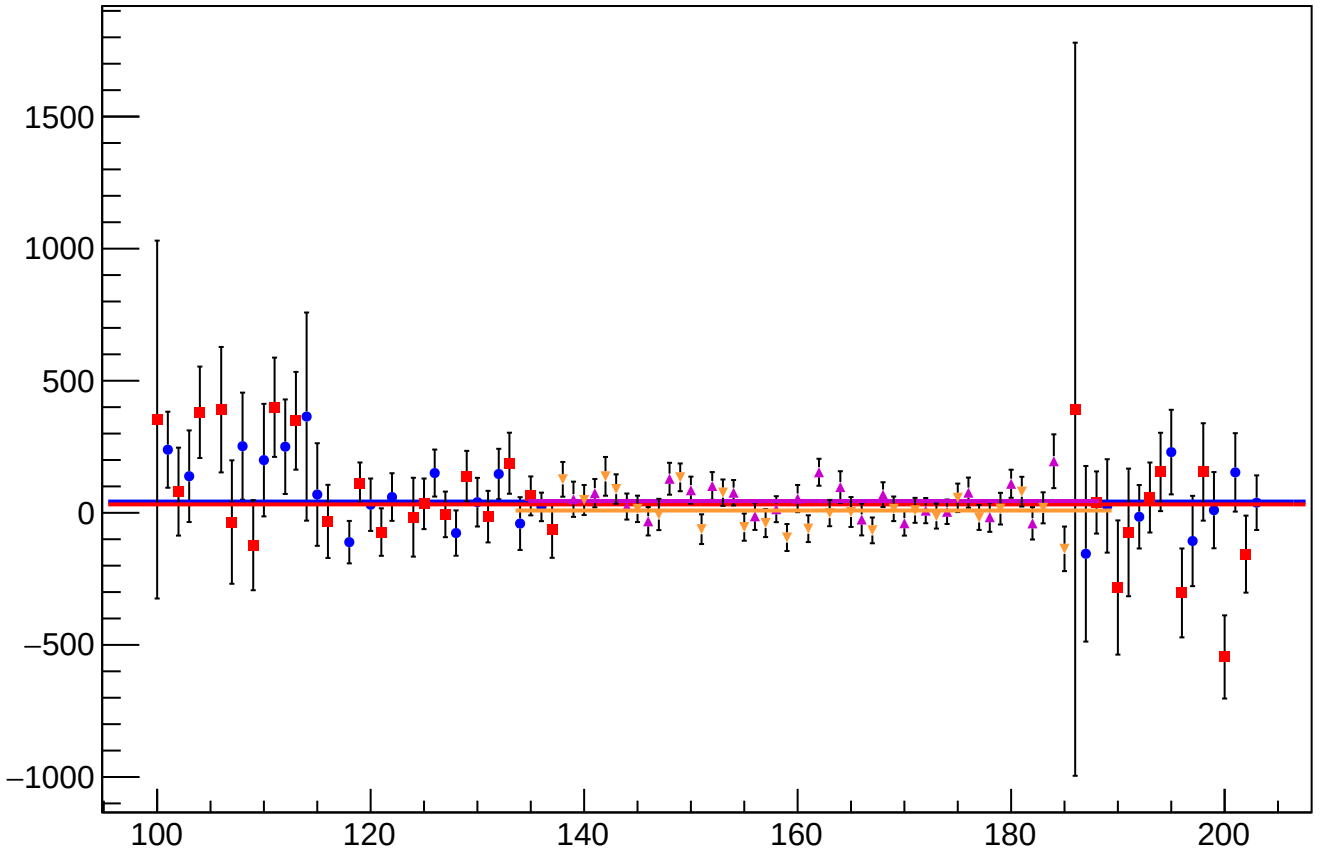
Left: 248.017+/-0.029 χ^2/NDF: 3149087.2/47

Right: 711.372+/-0.102 χ^2/NDF: 6776664.6/52

In: 281.783+/-0.040 χ^2/NDF:13150795.1/46

Out: 284.259+/-0.040 χ^2/NDF:15682638.4/53

All: 283.037+/-0.028 χ^2/NDF: 28835364.4/10



Right In: 42.547+/-23.092 χ^2/NDF: 18.3/23

Left Out: 8.758+/-10.770 χ^2/NDF:34.6/24

Right Out: 31.990+/-23.957 χ^2/NDF: 43.5/28

Left In: 44.540+/-11.149 χ^2/NDF:27.0/22

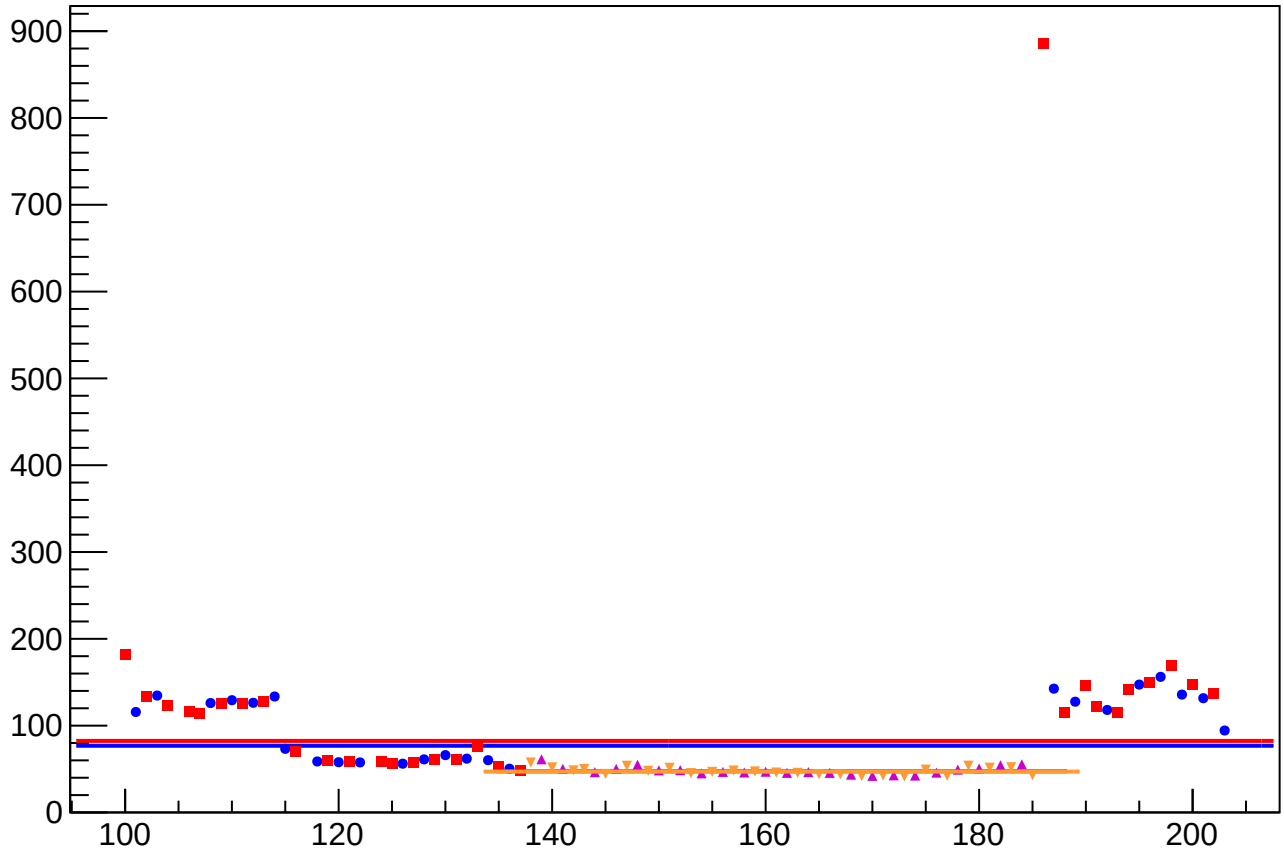
Left: 26.030+/-7.746 χ^2/NDF: 66.9/47

Right: 37.462+/-16.626 χ^2/NDF: 61.9/52

In: 44.163+/-10.040 χ^2/NDF:45.3/46

Out: 12.663+/-9.823 χ^2/NDF:78.9/53

All: 28.069+/-7.021 χ^2/NDF: 129.2/100



Right In: 76.849+/-0.016 χ^2/NDF: 3815403.5/23

Left Out: 47.064+/-0.008 χ^2/NDF:287590.7/24

Right Out: 82.432+/-0.017 χ^2/NDF: 4980507.7/28

Left In: 47.384+/-0.008 χ^2/NDF:271036.5/22

Left: 47.218+/-0.005 χ^2/NDF: 559476.9/47

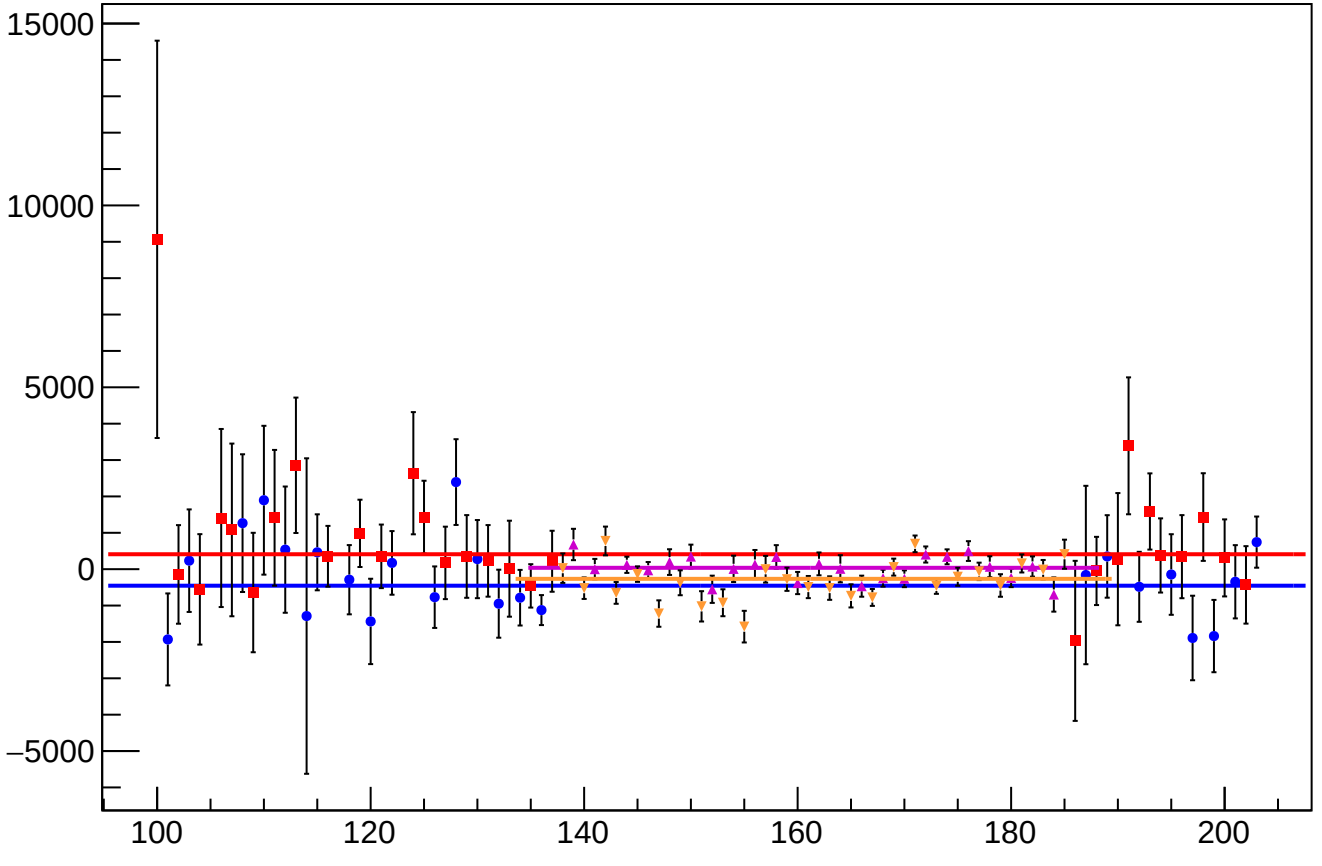
Right: 79.538+/-0.012 χ^2/NDF: 8852235.7/52

In: 52.953+/-0.007 χ^2/NDF:6727143.9/46

Out: 53.010+/-0.007 χ^2/NDF:8894429.1/53

All: 52.982+/-0.005 χ^2/NDF: 15621605.7/100

asym_sam_1526_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -454.284+/-198.374 χ^2/NDF: 22.7/23

Left Out: -265.680+/-58.031 χ^2/NDF:69.8/24

Right Out: 410.718+/-212.111 χ^2/NDF: 17.9/28

Left In: 37.527+/-59.159 χ^2/NDF:26.6/22

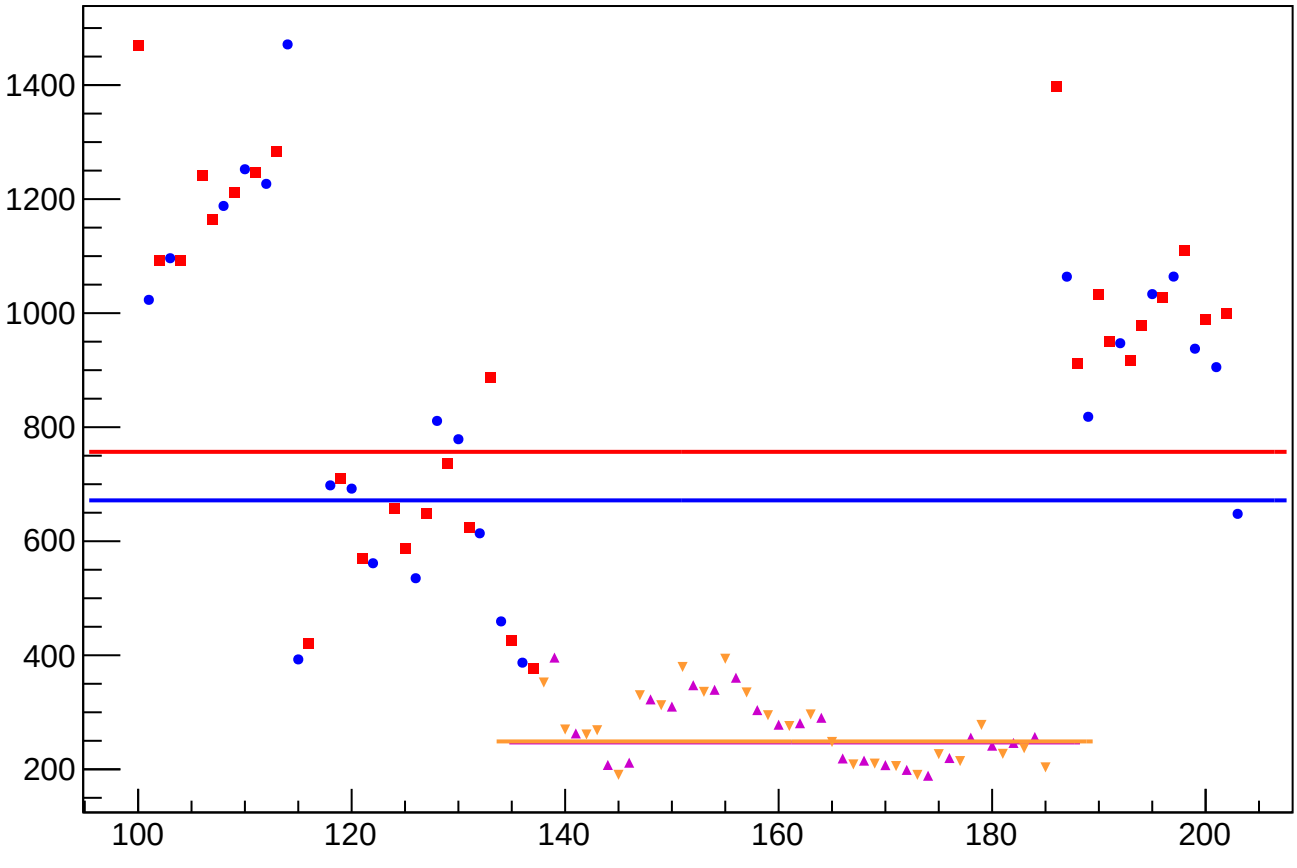
Left: -116.996+/-41.427 χ^2/NDF: 109.8/47

Right: -50.697+/-144.885 χ^2/NDF: 49.4/52

In: -2.641+/-56.692 χ^2/NDF:54.9/46

Out: -218.577+/-55.974 χ^2/NDF:97.1/53

All: -111.985+/-39.831 χ^2/NDF: 159.4/100



Right In: 671.661+/-0.140 χ^2/NDF: 3253966.0/23

Left Out: 248.891+/-0.041 χ^2/NDF:1663717.9/24

Right Out: 756.773+/-0.150 χ^2/NDF: 3350923.5/28

Left In: 247.109+/-0.042 χ^2/NDF:1484445.1/22

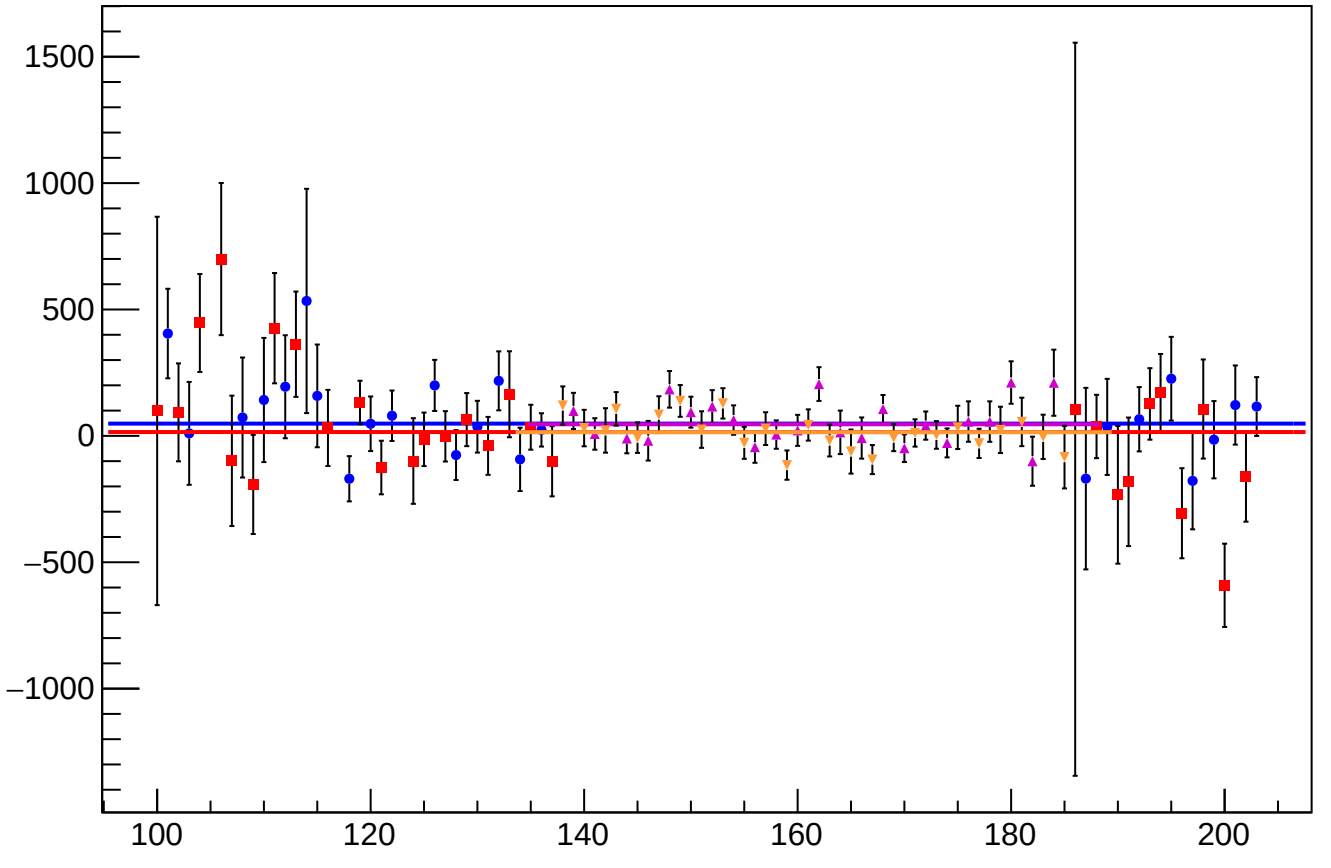
Left: 248.017+/-0.029 χ^2/NDF: 3149087.2/47

Right: 711.372+/-0.102 χ^2/NDF: 6776664.6/52

In: 281.783+/-0.040 χ^2/NDF:13150795.1/46

Out: 284.259+/-0.040 χ^2/NDF:15682638.4/53

All: 283.037+/-0.028 χ^2/NDF: 28835364.4/10



Right In: 48.494+/-26.387 χ^2/NDF: 23.3/23

Left Out: 14.498+/-13.454 χ^2/NDF:24.5/24

Right Out: 15.201+/-27.368 χ^2/NDF: 45.1/28

Left In: 45.806+/-13.931 χ^2/NDF:30.7/22

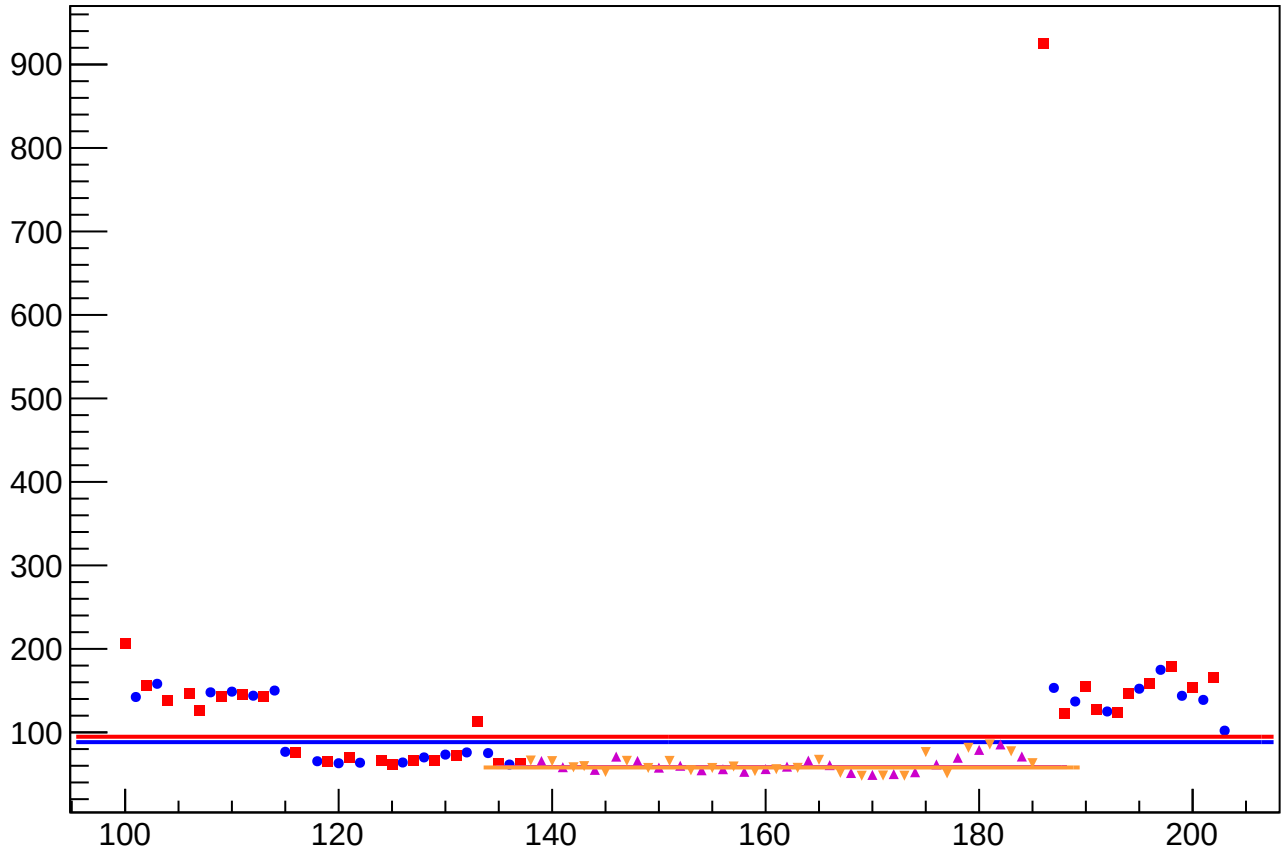
Left: 29.607+/-9.678 χ^2/NDF: 57.9/47

Right: 32.455+/-18.996 χ^2/NDF: 69.2/52

In: 46.392+/-12.320 χ^2/NDF:54.0/46

Out: 14.635+/-12.074 χ^2/NDF:69.7/53

All: 30.194+/-8.623 χ^2/NDF: 127.1/100



Right In: 88.301+/-0.019 χ^2/NDF: 3399149.1/23

Left Out: 57.965+/-0.010 χ^2/NDF:896947.4/24

Right Out: 94.762+/-0.019 χ^2/NDF: 4548711.4/28

Left In: 58.479+/-0.010 χ^2/NDF:649919.9/22

Left: 58.213+/-0.007 χ^2/NDF: 1548274.7/47

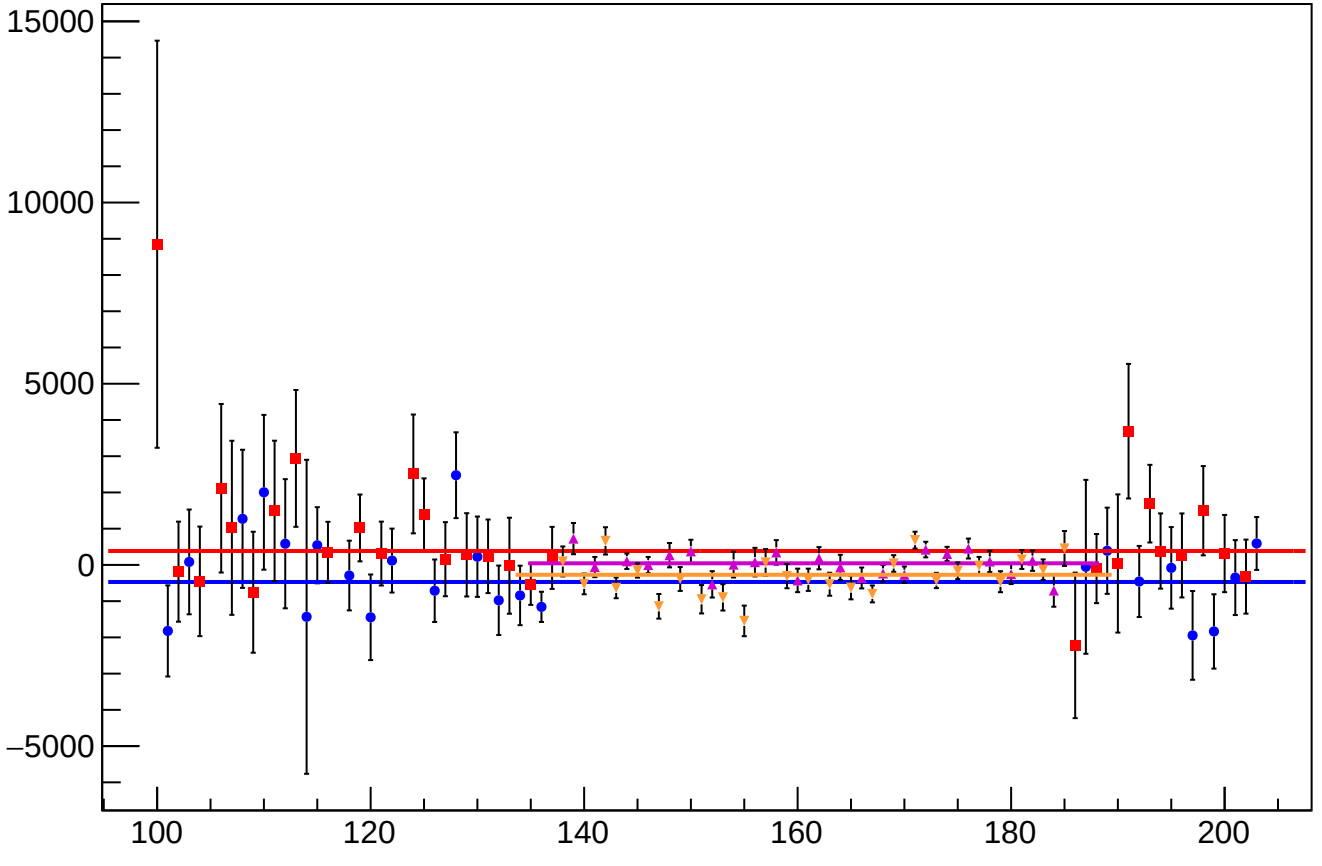
Right: 91.413+/-0.013 χ^2/NDF: 8005625.4/52

In: 64.980+/-0.009 χ^2/NDF:6046786.4/46

Out: 65.127+/-0.009 χ^2/NDF:8357426.4/53

All: 65.055+/-0.006 χ^2/NDF: 14404359.6/100

asym_sam_1526_avg_dit_correction_mean vs Slug, Sign Corrected



Right In: -470.742+/-202.807 χ^2/NDF: 21.9/23

Left Out: -272.513+/-57.274 χ^2/NDF:65.8/24

Right Out: 384.308+/-212.536 χ^2/NDF: 19.9/28

Left In: 44.553+/-58.614 χ^2/NDF:26.5/22

Left: -117.646+/-40.964 χ^2/NDF: 107.2/47

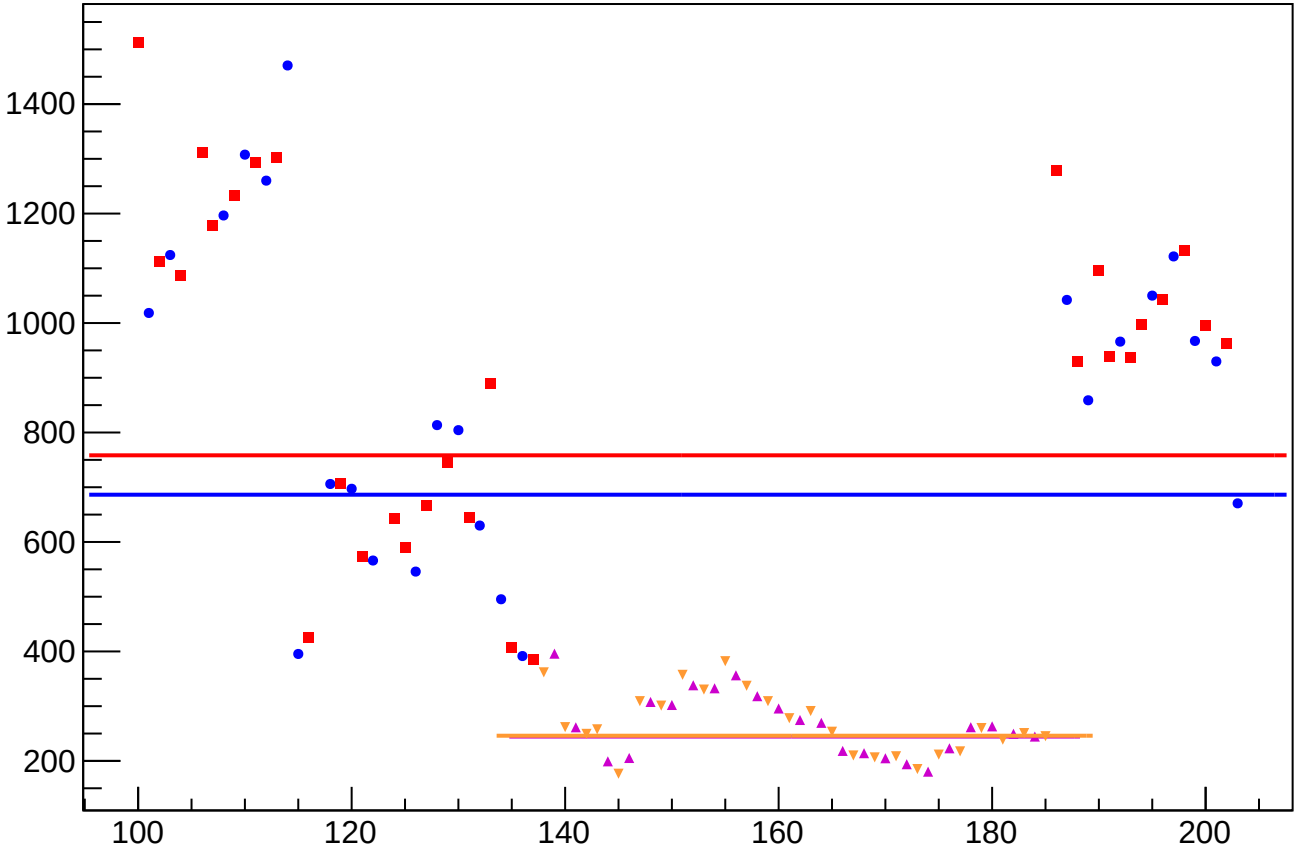
Right: -63.235+/-146.725 χ^2/NDF: 50.2/52

In: 4.829+/-56.310 χ^2/NDF:54.3/46

Out: -228.045+/-55.301 χ^2/NDF:94.6/53

All: -113.712+/-39.456 χ^2/NDF: 157.6/100

asym_sam_1526_avg_dit_correction_rms vs Slug, Sign Corrected



Right In: 686.361+/-0.143 χ^2/NDF: 3287578.0/23

Left Out: 246.017+/-0.040 χ^2/NDF:1680565.1/24

Right Out: 758.319+/-0.150 χ^2/NDF: 3513152.1/28

Left In: 244.450+/-0.041 χ^2/NDF:1596988.0/22

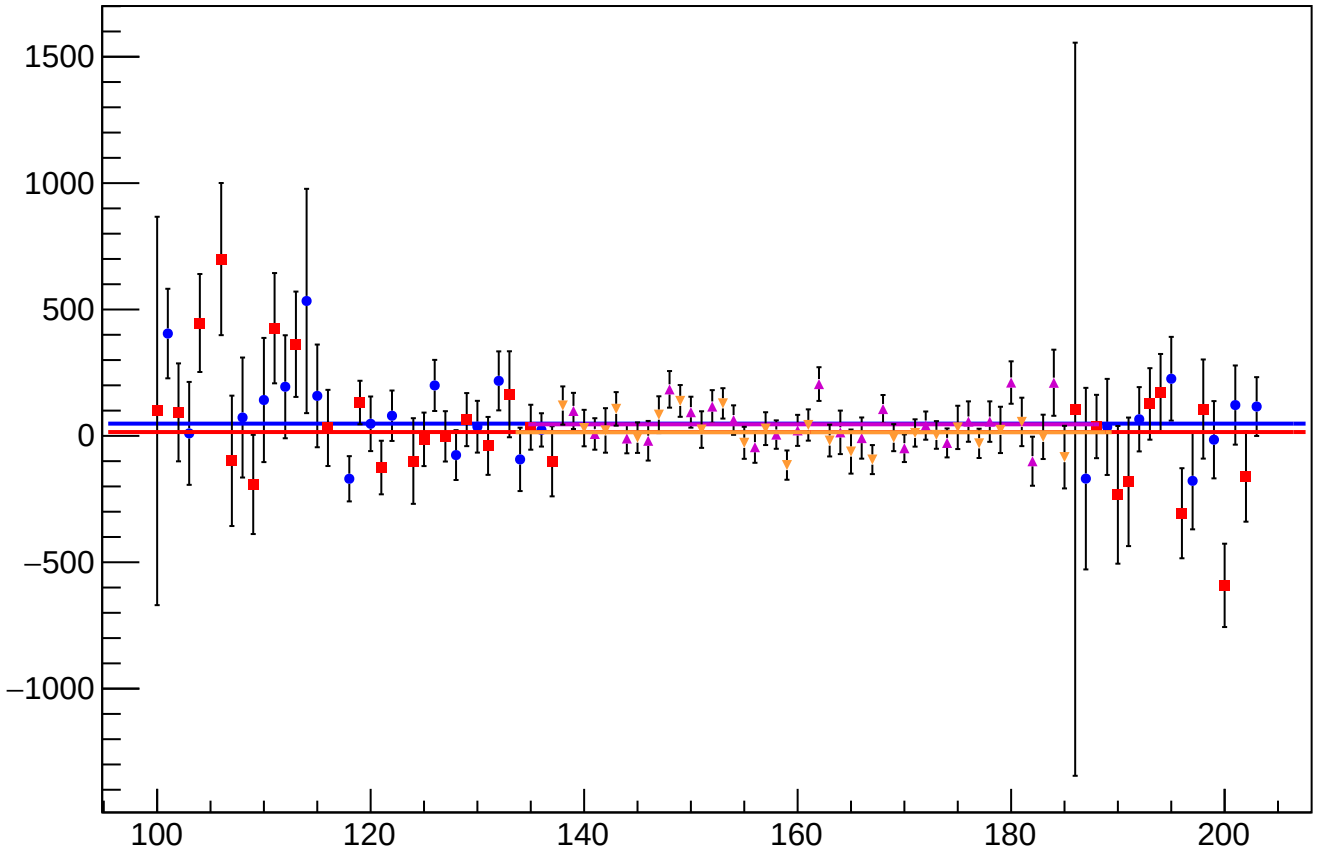
Left: 245.251+/-0.029 χ^2/NDF: 3278284.0/47

Right: 720.655+/-0.104 χ^2/NDF: 6920725.4/52

In: 278.517+/-0.040 χ^2/NDF:13648383.1/46

Out: 280.701+/-0.039 χ^2/NDF:16027291.2/53

All: 279.629+/-0.028 χ^2/NDF: 29677205.4/10



Right In: 48.496+/-26.387 χ^2/NDF: 23.3/23

Left Out: 14.498+/-13.454 χ^2/NDF:24.5/24

Right Out: 15.201+/-27.368 χ^2/NDF: 45.1/28

Left In: 45.805+/-13.931 χ^2/NDF:30.7/22

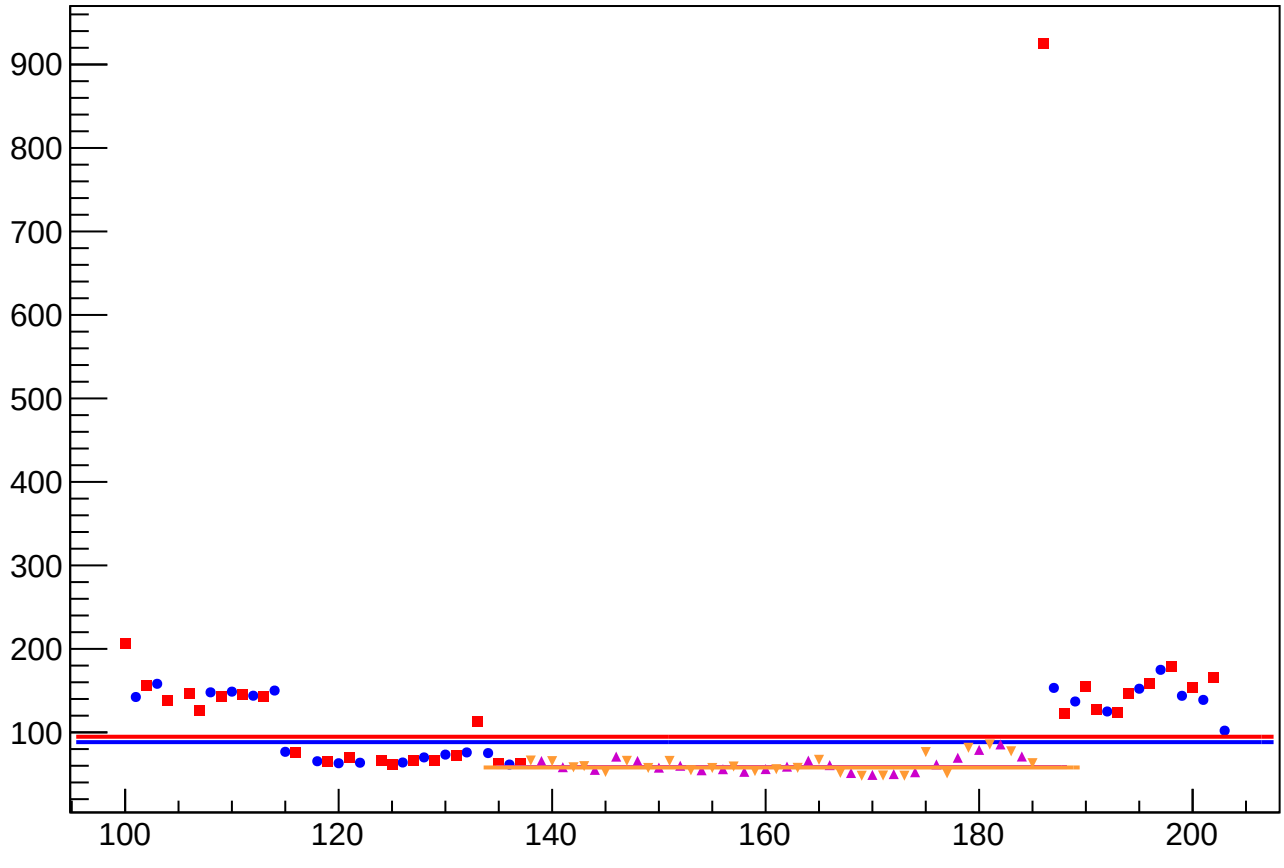
Left: 29.606+/-9.678 χ^2/NDF: 57.9/47

Right: 32.456+/-18.996 χ^2/NDF: 69.2/52

In: 46.392+/-12.320 χ^2/NDF:54.0/46

Out: 14.635+/-12.074 χ^2/NDF:69.7/53

All: 30.193+/-8.623 χ^2/NDF: 127.1/100



Right In: 88.300+/-0.019 χ^2/NDF: 3399151.7/23

Left Out: 57.965+/-0.010 χ^2/NDF:896952.8/24

Right Out: 94.761+/-0.019 χ^2/NDF: 4548726.7/28

Left In: 58.479+/-0.010 χ^2/NDF:649911.4/22

Left: 58.213+/-0.007 χ^2/NDF: 1548272.0/47

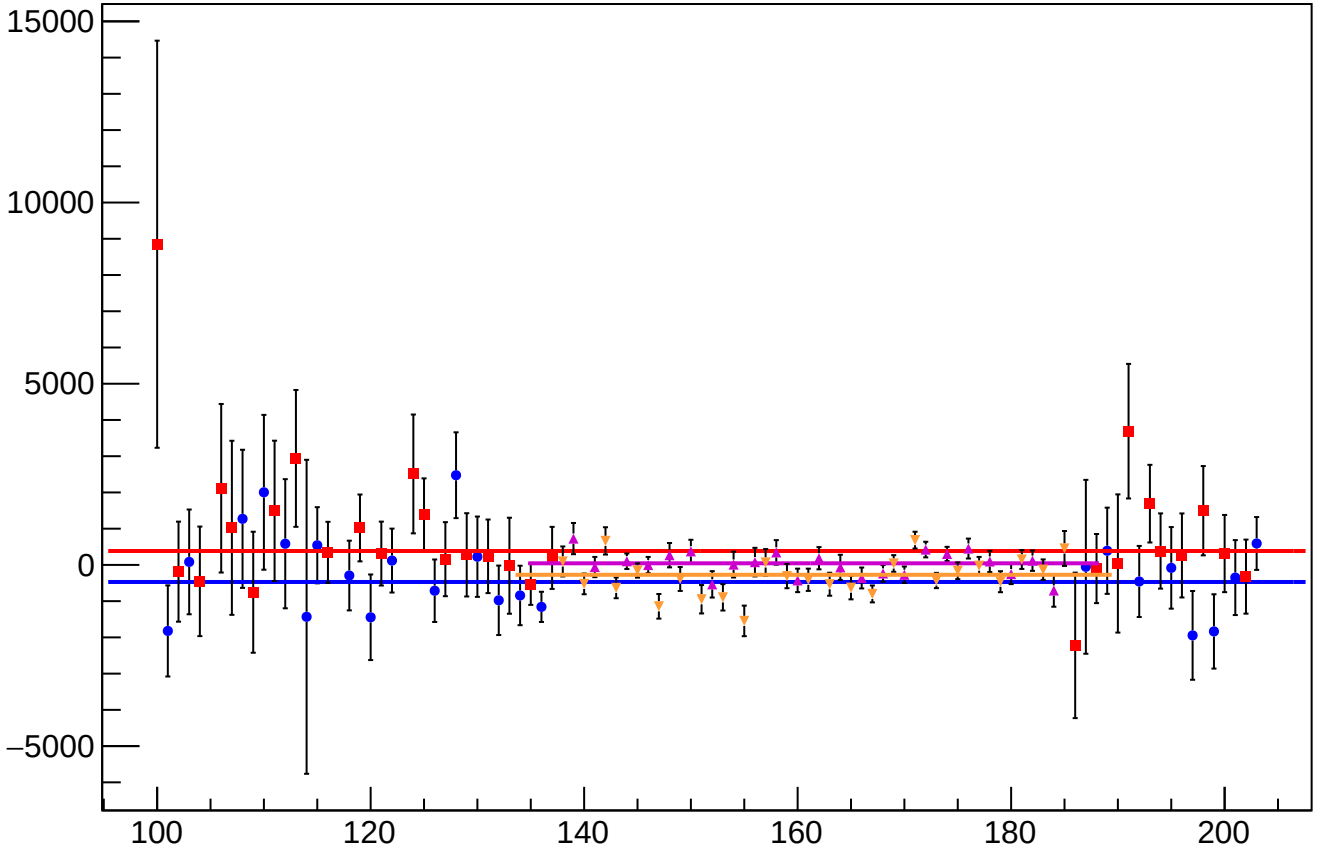
Right: 91.413+/-0.013 χ^2/NDF: 8005644.0/52

In: 64.980+/-0.009 χ^2/NDF:6046722.8/46

Out: 65.127+/-0.009 χ^2/NDF:8357394.4/53

All: 65.055+/-0.006 χ^2/NDF: 14404263.9/100

asym_sam_1526_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -470.740+/-202.807 χ^2/NDF: 21.9/23

Left Out: -272.512+/-57.274 χ^2/NDF:65.8/24

Right Out: 384.308+/-212.536 χ^2/NDF: 19.9/28

Left In: 44.552+/-58.614 χ^2/NDF:26.5/22

Left: -117.646+/-40.964 χ^2/NDF: 107.2/47

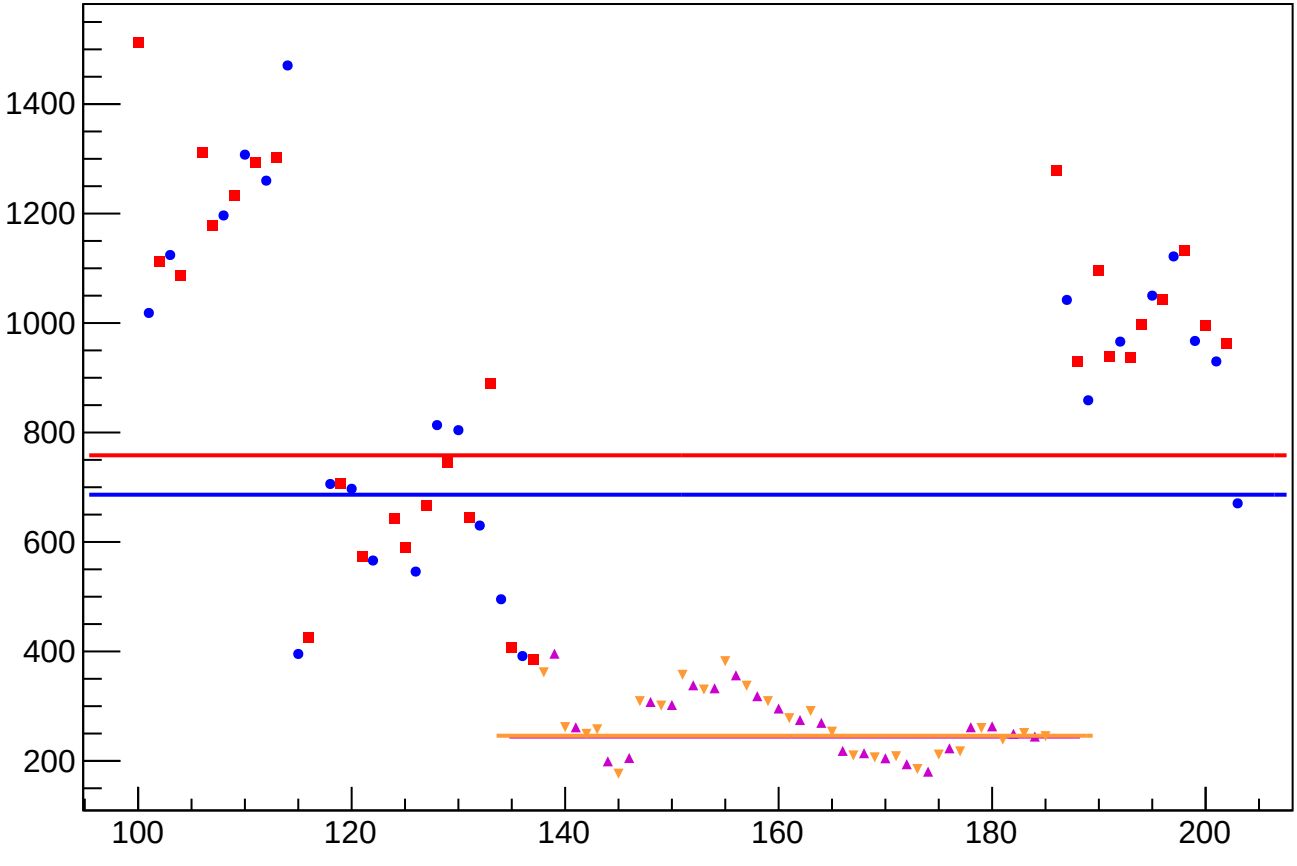
Right: -63.234+/-146.725 χ^2/NDF: 50.2/52

In: 4.828+/-56.310 χ^2/NDF:54.3/46

Out: -228.044+/-55.301 χ^2/NDF:94.6/53

All: -113.712+/-39.456 χ^2/NDF: 157.6/100

asym_sam_1526_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 686.361+/-0.143 χ^2/NDF: 3287561.9/23

Left Out: 246.016+/-0.040 χ^2/NDF:1680566.1/24

Right Out: 758.318+/-0.150 χ^2/NDF: 3513136.2/28

Left In: 244.450+/-0.041 χ^2/NDF:1596977.8/22

Left: 245.251+/-0.029 χ^2/NDF: 3278274.7/47

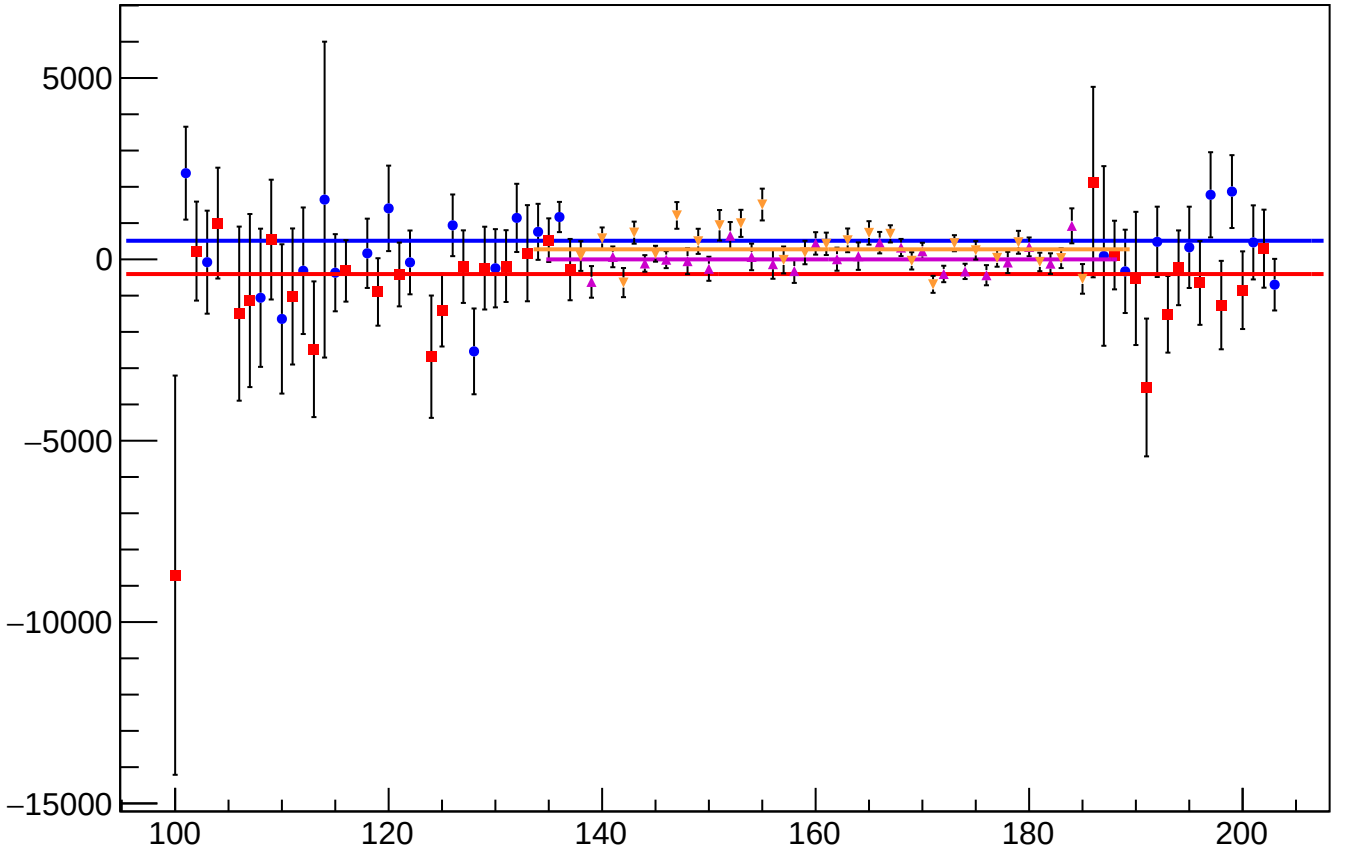
Right: 720.655+/-0.104 χ^2/NDF: 6920693.1/52

In: 278.517+/-0.040 χ^2/NDF:13648366.8/46

Out: 280.700+/-0.039 χ^2/NDF:16027293.6/53

All: 279.628+/-0.028 χ^2/NDF: 29677191.2/10

asym_sam_1526_avg_mean vs Slug, Sign Corrected



Right In: 512.950+/-200.201 χ^2/NDF: 23.1/23

Left Out: 277.077+/-59.149 χ^2/NDF:64.1/24

Right Out: -405.095+/-214.041 χ^2/NDF: 17.4/28

Left In: -0.556+/-60.356 χ^2/NDF:28.1/22

Left: 141.066+/-42.245 χ^2/NDF: 103.0/47

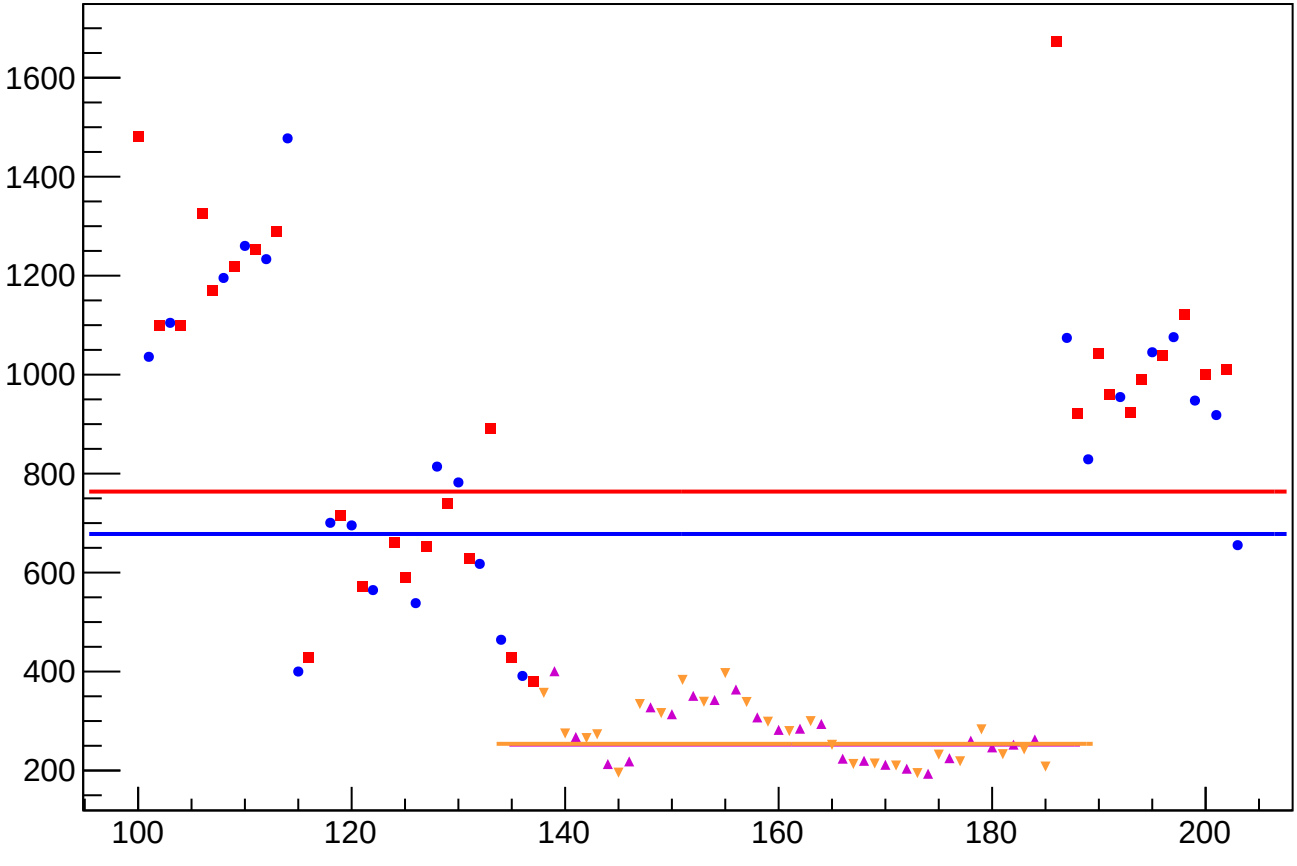
Right: 84.565+/-146.212 χ^2/NDF: 50.3/52

In: 42.228+/-57.787 χ^2/NDF:57.3/46

Out: 228.679+/-57.012 χ^2/NDF:90.9/53

All: 136.713+/-40.585 χ^2/NDF: 153.4/100

asym_sam_1526_avg_rms vs Slug, Sign Corrected



Right In: 677.992+/-0.142 χ^2/NDF: 3244410.4/23

Left Out: 253.953+/-0.042 χ^2/NDF:1590761.5/24

Right Out: 763.681+/-0.151 χ^2/NDF: 3454786.7/28

Left In: 252.390+/-0.043 χ^2/NDF:1412169.8/22

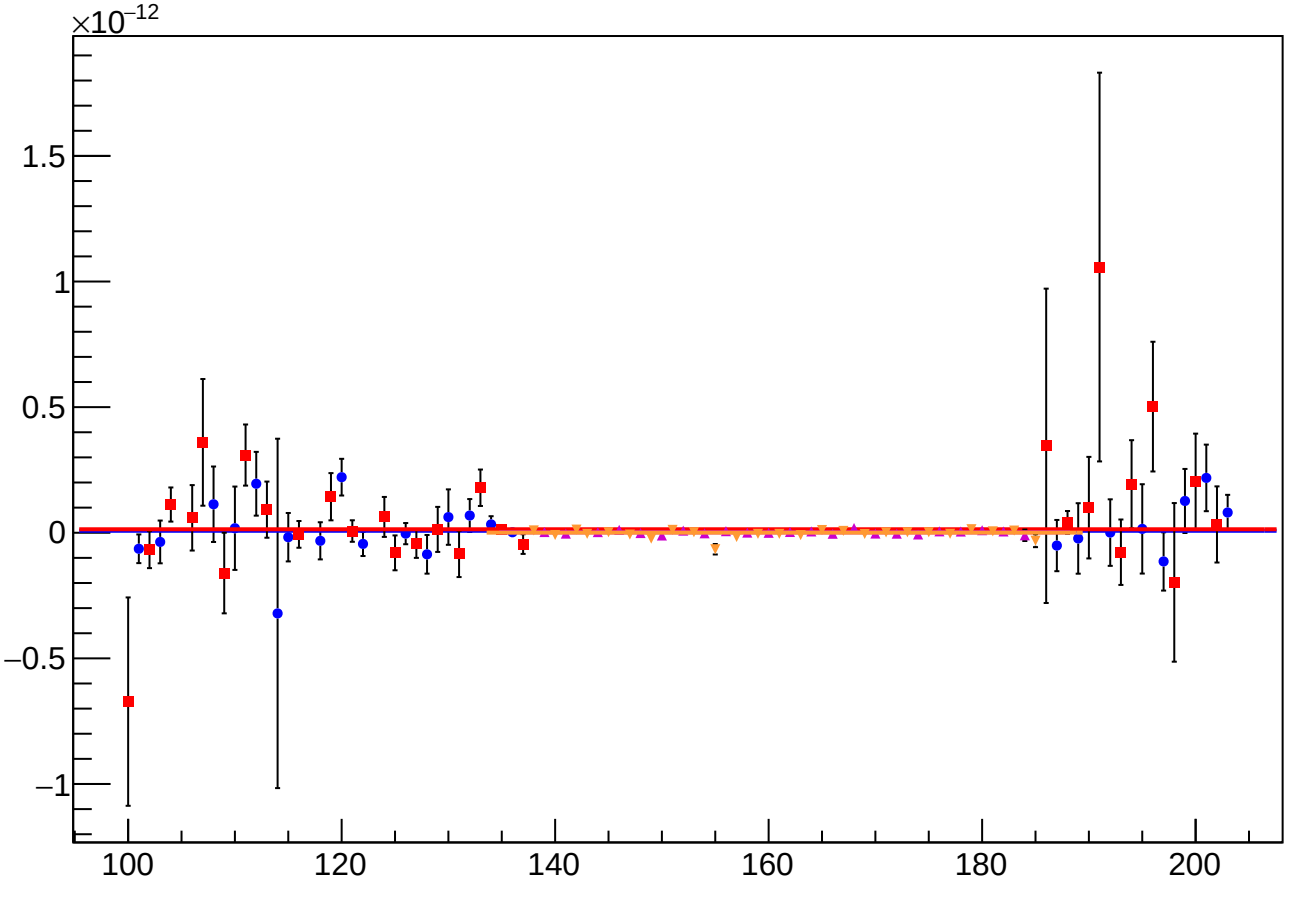
Left: 253.187+/-0.030 χ^2/NDF: 3003615.8/47

Right: 717.977+/-0.103 χ^2/NDF: 6870162.7/52

In: 287.849+/-0.041 χ^2/NDF:12942163.4/46

Out: 290.117+/-0.040 χ^2/NDF:15583358.1/53

All: 288.999+/-0.029 χ^2/NDF: 28527081.9/10



Right In: 0.000+/-0.000 χ^2/NDF: 24.2/23

Left Out: 0.000+/-0.000 χ^2/NDF:26.9/24

Right Out: 0.000+/-0.000 χ^2/NDF: 38.8/28

Left In: 0.000+/-0.000 χ^2/NDF:14.0/22

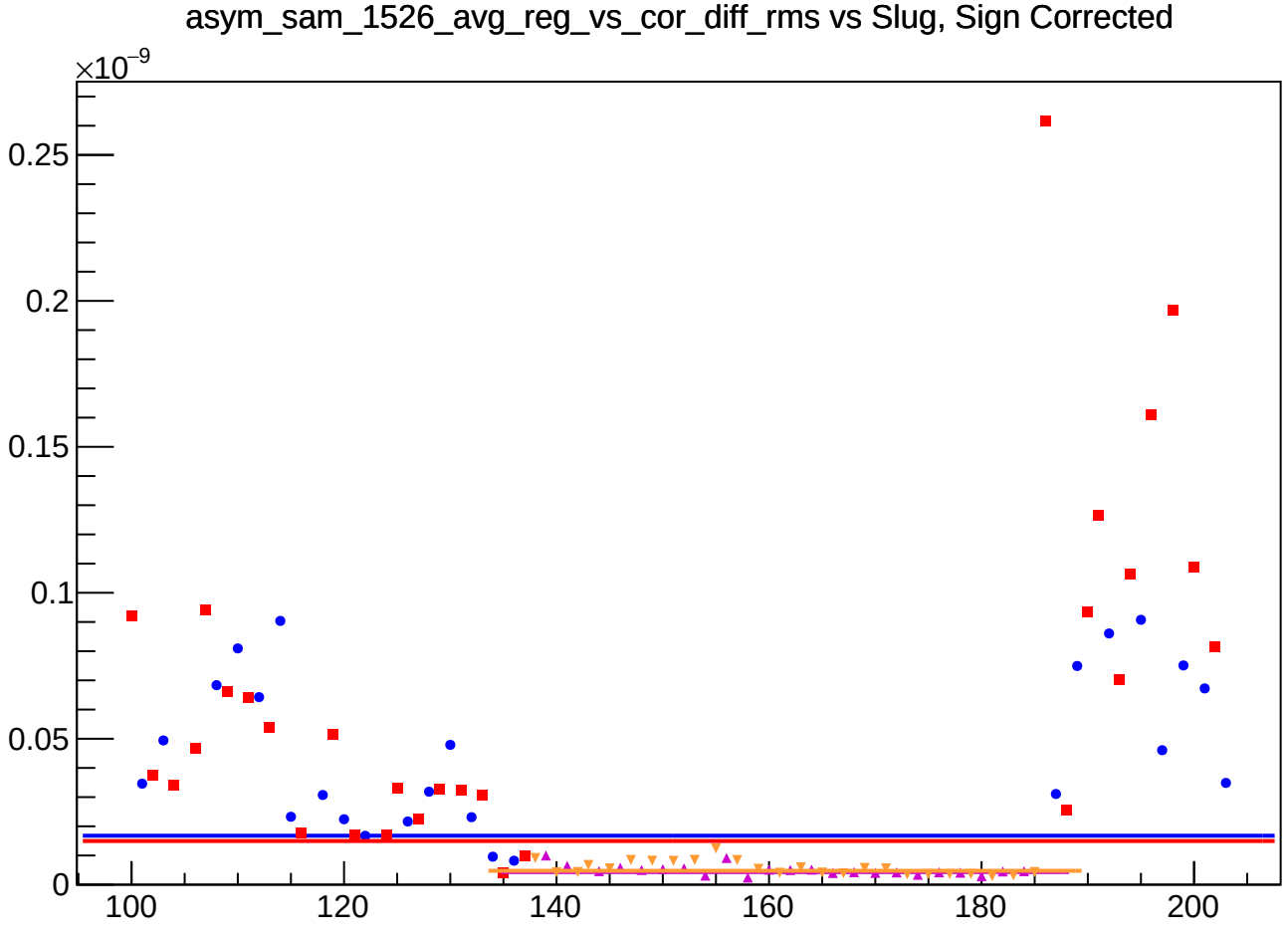
Left: 0.000+/-0.000 χ^2/NDF: 41.0/47

Right: 0.000+/-0.000 χ^2/NDF: 63.2/52

In: 0.000+/-0.000 χ^2/NDF:38.6/46

Out: 0.000+/-0.000 χ^2/NDF:67.3/53

All: 0.000+/-0.000 χ^2/NDF: 106.0/100



Right In: 0.000+/-0.000 χ^2/NDF: 4855342.3/23

Left Out: 0.000+/-0.000 χ^2/NDF:1613401.1/24

Right Out: 0.000+/-0.000 χ^2/NDF: 7433671.8/28

Left In: 0.000+/-0.000 χ^2/NDF:983290.8/22

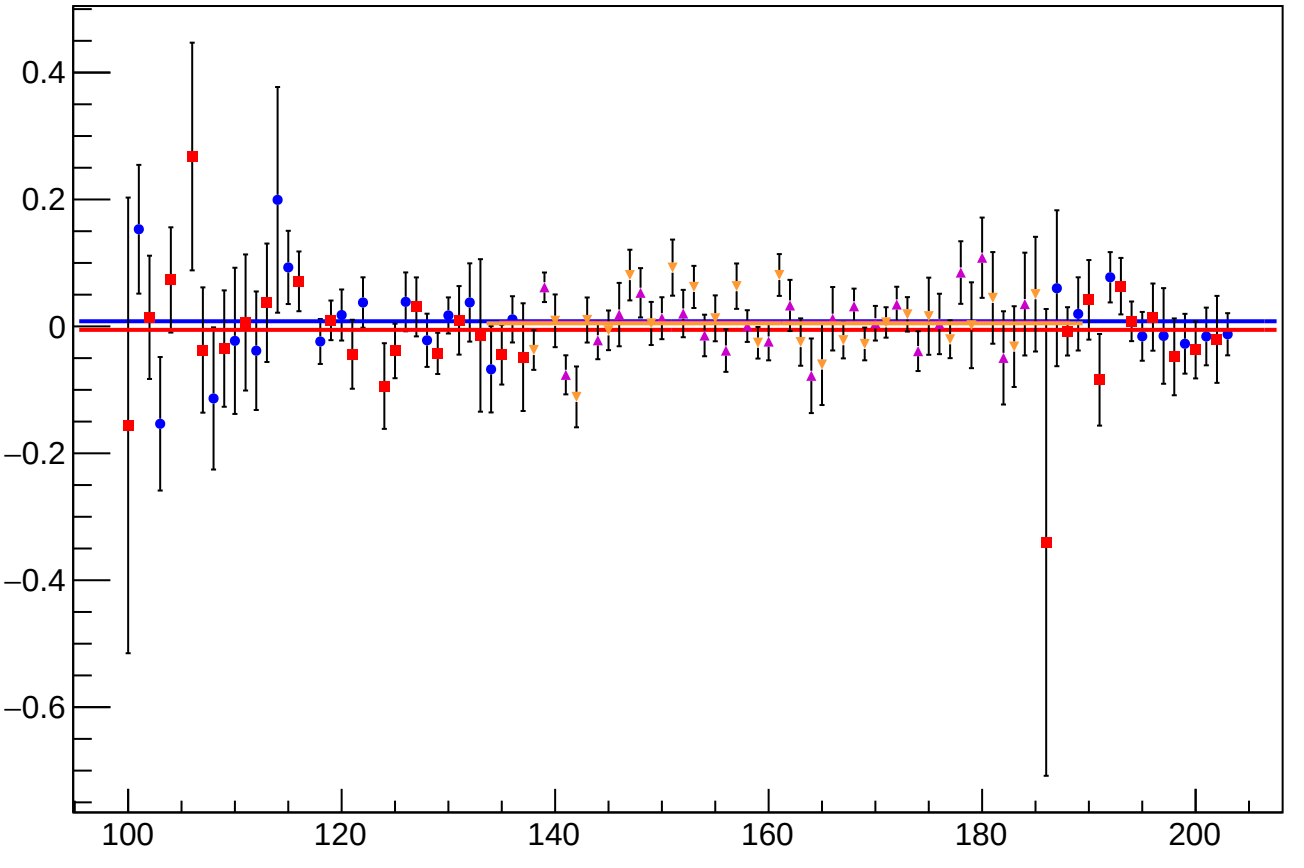
Left: 0.000+/-0.000 χ^2/NDF: 2651852.5/47

Right: 0.000+/-0.000 χ^2/NDF: 12320934.1/52

In: 0.000+/-0.000 χ^2/NDF:8741709.4/46

Out: 0.000+/-0.000 χ^2/NDF:10997240.5/53

All: 0.000+/-0.000 χ^2/NDF: 19782108.5/100



Right In: 0.008+/-0.010 χ^2/NDF: 18.2/23

Left Out: 0.005+/-0.007 χ^2/NDF:34.0/24

Right Out: -0.005+/-0.010 χ^2/NDF: 18.8/28

Left In: 0.006+/-0.007 χ^2/NDF:31.0/22

Left: 0.006+/-0.005 χ^2/NDF: 65.0/47

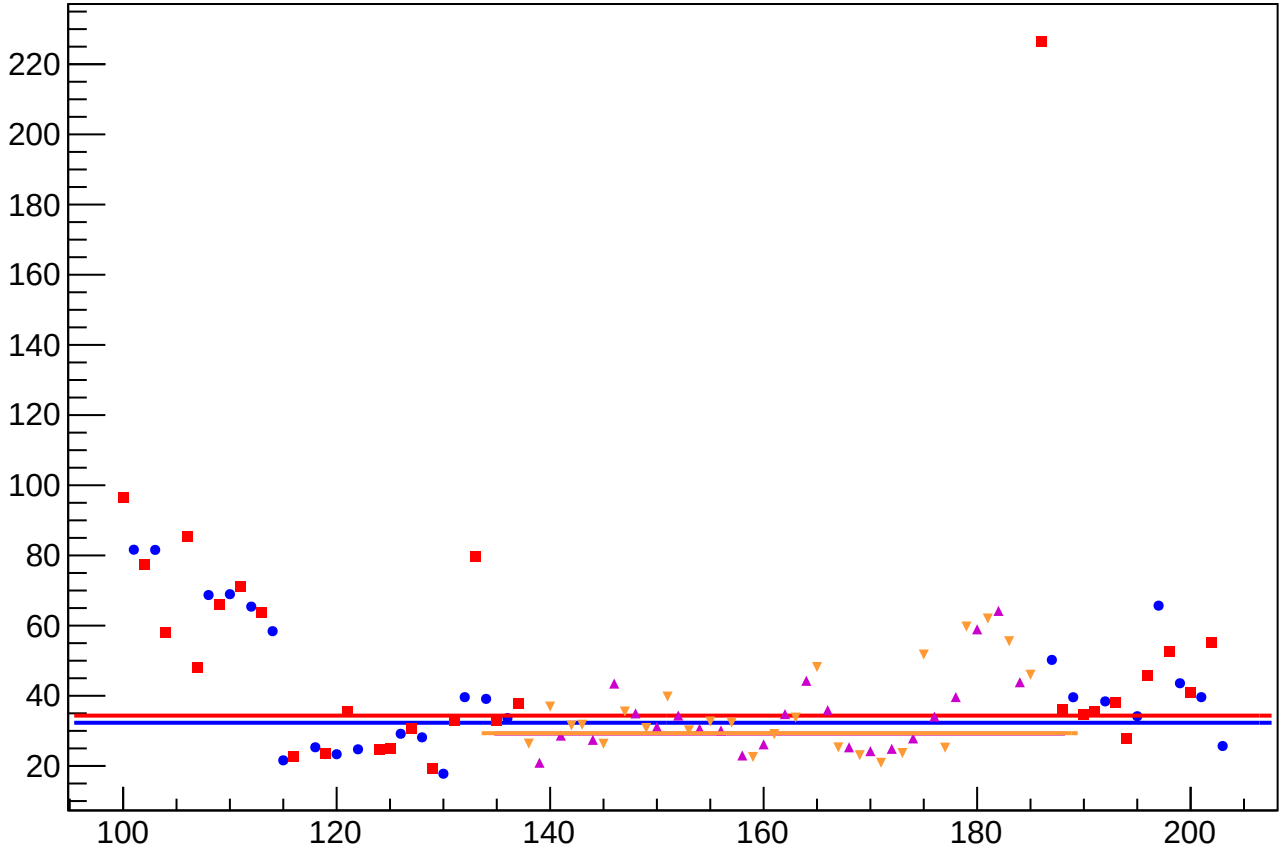
Right: 0.001+/-0.007 χ^2/NDF: 37.9/52

In: 0.007+/-0.006 χ^2/NDF:49.2/46

Out: 0.001+/-0.006 χ^2/NDF:53.5/53

All: 0.004+/-0.004 χ^2/NDF: 103.1/100

asym_sam_1526_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 32.313+/-0.007 χ^2/NDF: 3303212.1/23

Left Out: 29.338+/-0.005 χ^2/NDF:2687159.2/24

Right Out: 34.348+/-0.007 χ^2/NDF: 3886087.0/28

Left In: 29.226+/-0.005 χ^2/NDF:2097657.8/22

Left: 29.283+/-0.004 χ^2/NDF: 4785056.4/47

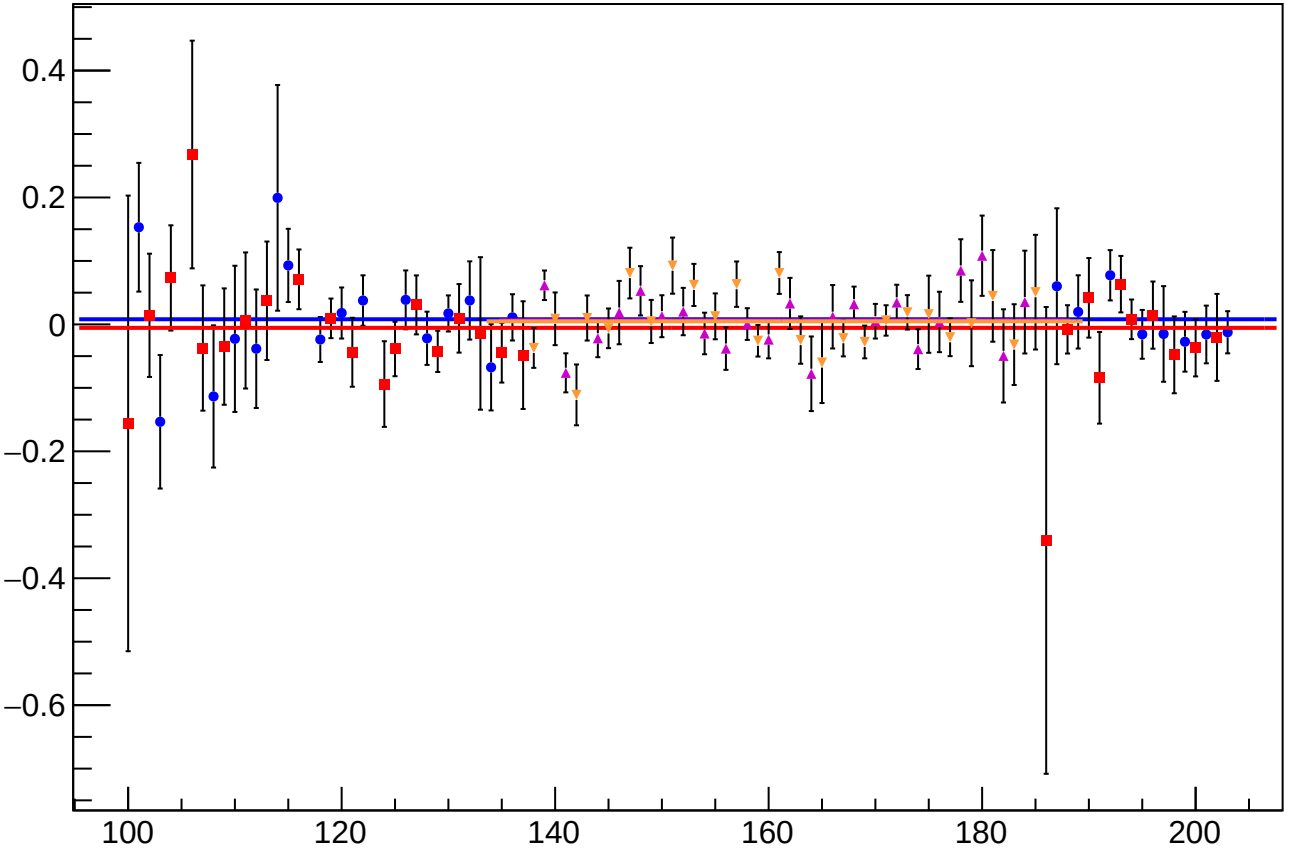
Right: 33.314+/-0.005 χ^2/NDF: 7230201.3/52

In: 30.295+/-0.004 χ^2/NDF:5525938.6/46

Out: 30.987+/-0.004 χ^2/NDF:6900594.0/53

All: 30.644+/-0.003 χ^2/NDF: 12440561.1/100

asym_sam_1526_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.008+/-0.010 χ^2/NDF: 18.2/23

Left Out: 0.005+/-0.007 χ^2/NDF:34.0/24

Right Out: -0.005+/-0.010 χ^2/NDF: 18.8/28

Left In: 0.006+/-0.007 χ^2/NDF:31.0/22

Left: 0.006+/-0.005 χ^2/NDF: 65.0/47

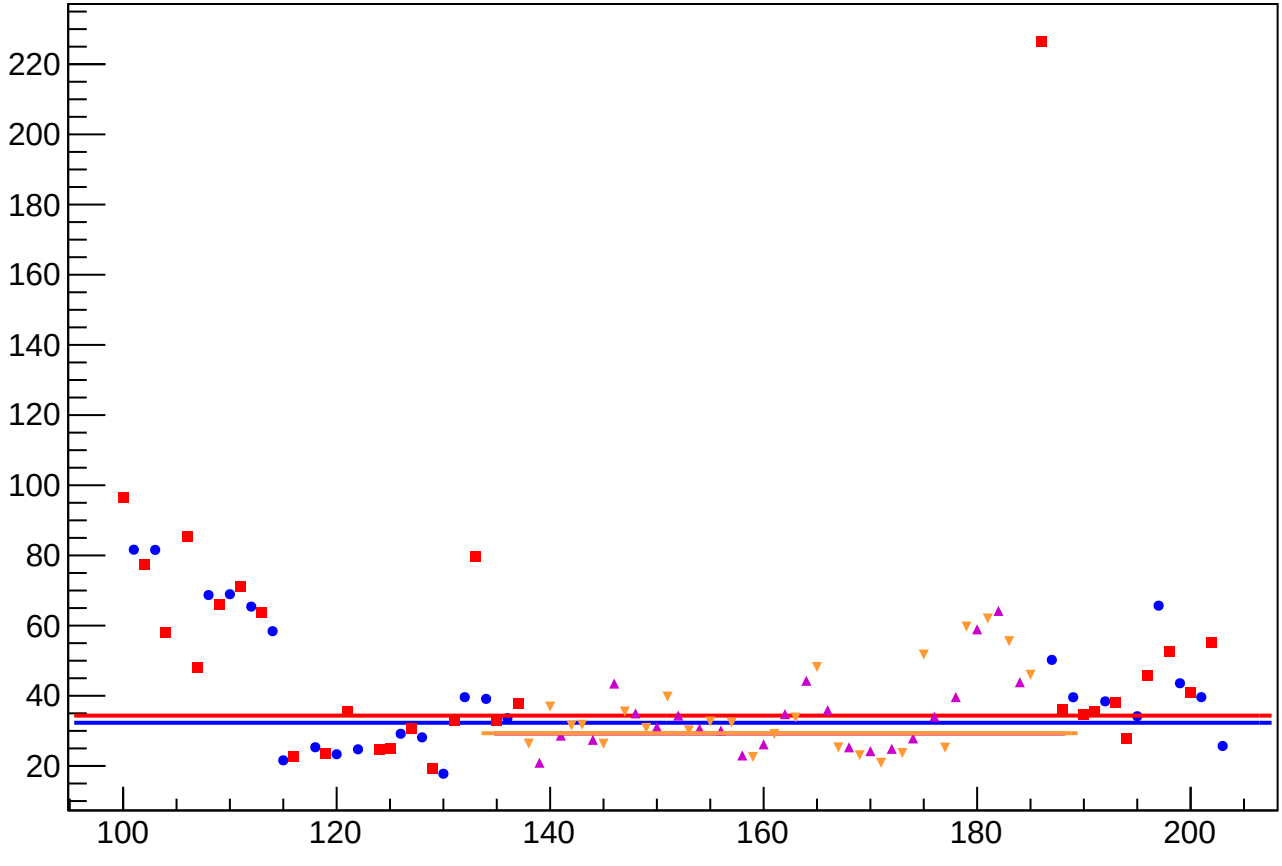
Right: 0.001+/-0.007 χ^2/NDF: 37.9/52

In: 0.007+/-0.006 χ^2/NDF:49.2/46

Out: 0.001+/-0.006 χ^2/NDF:53.5/53

All: 0.004+/-0.004 χ^2/NDF: 103.1/100

asym_sam_1526_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 32.313+/-0.007 χ^2/NDF: 3303212.1/23

Left Out: 29.338+/-0.005 χ^2/NDF:2687159.2/24

Right Out: 34.348+/-0.007 χ^2/NDF: 3886087.0/28

Left In: 29.226+/-0.005 χ^2/NDF:2097657.8/22

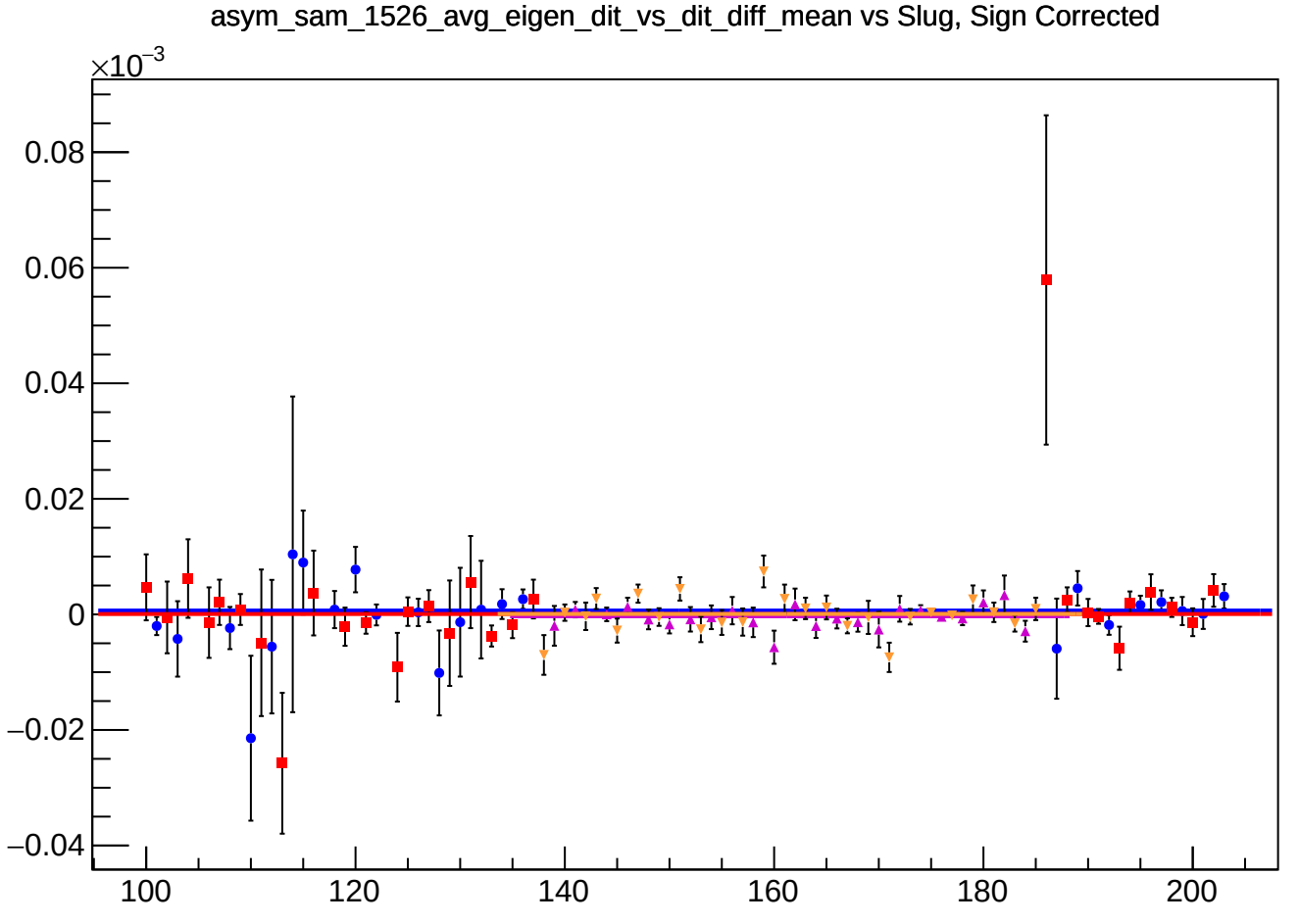
Left: 29.283+/-0.004 χ^2/NDF: 4785056.4/47

Right: 33.314+/-0.005 χ^2/NDF: 7230201.3/52

In: 30.295+/-0.004 χ^2/NDF:5525938.6/46

Out: 30.987+/-0.004 χ^2/NDF:6900594.0/53

All: 30.644+/-0.003 χ^2/NDF: 12440561.1/100



Right In: 0.000+/-0.000 χ^2/NDF: 21.7/23

Left Out: 0.000+/-0.000 χ^2/NDF:43.7/24

Right Out: 0.000+/-0.000 χ^2/NDF: 30.4/28

Left In: -0.000+/-0.000 χ^2/NDF:15.5/22

Left: -0.000+/-0.000 χ^2/NDF: 60.1/47

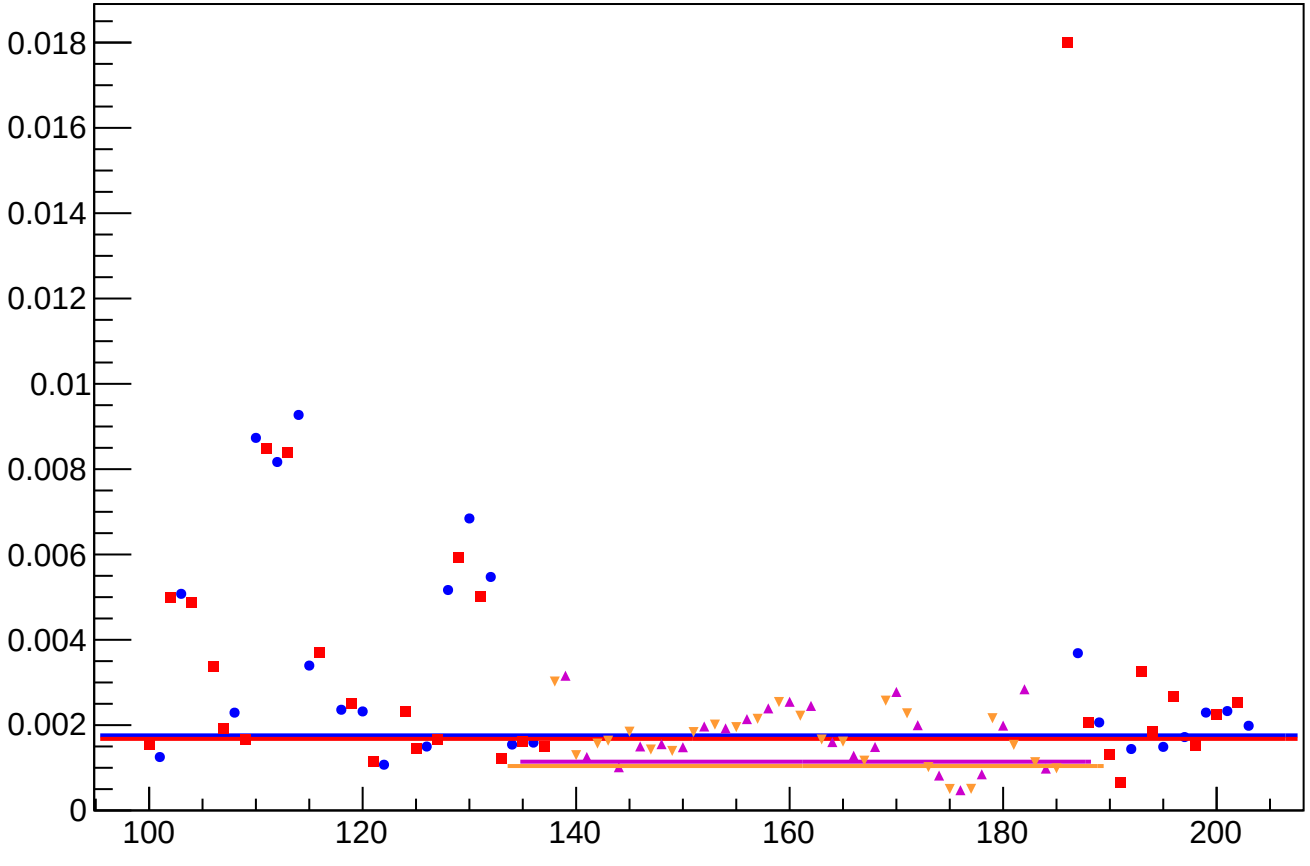
Right: 0.000+/-0.000 χ^2/NDF: 52.8/52

In: -0.000+/-0.000 χ^2/NDF:39.7/46

Out: 0.000+/-0.000 χ^2/NDF:74.1/53

All: 0.000+/-0.000 χ^2/NDF: 114.0/100

asym_sam_1526_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.002+/-0.000 χ^2/NDF: 4399911.5/23

Left Out: 0.001+/-0.000 χ^2/NDF:9825407.0/24

Right Out: 0.002+/-0.000 χ^2/NDF: 6733466.8/28

Left In: 0.001+/-0.000 χ^2/NDF:8291862.8/22

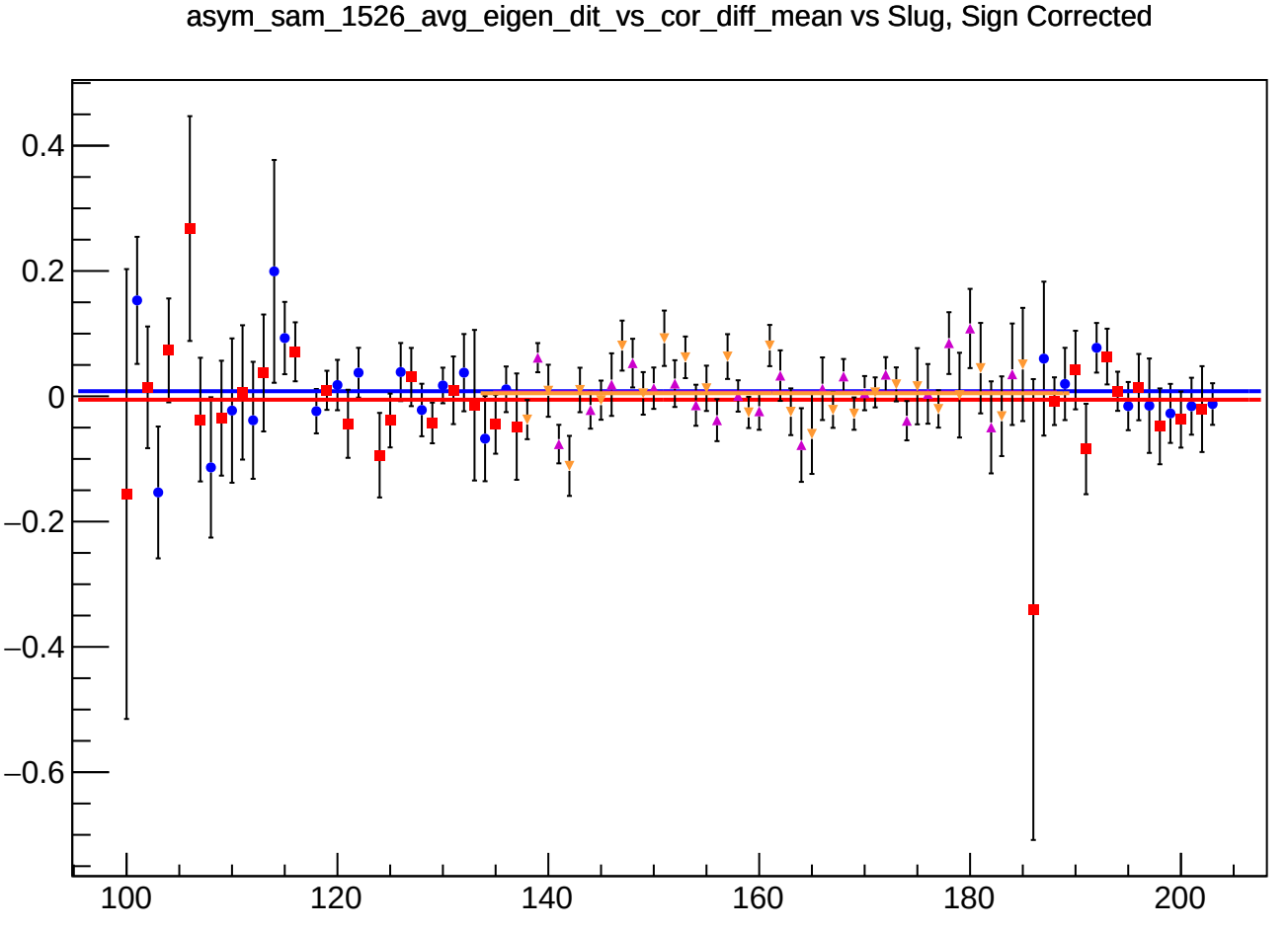
Left: 0.001+/-0.000 χ^2/NDF: 18236927.4/47

Right: 0.002+/-0.000 χ^2/NDF: 11157368.4/52

In: 0.001+/-0.000 χ^2/NDF:14625162.8/46

Out: 0.001+/-0.000 χ^2/NDF:18925678.6/53

All: 0.001+/-0.000 χ^2/NDF: 33728997.8/100



Right In: 0.008+/-0.010 χ^2/NDF: 18.2/23

Left Out: 0.005+/-0.007 χ^2/NDF:34.0/24

Right Out: -0.005+/-0.010 χ^2/NDF: 18.8/28

Left In: 0.006+/-0.007 χ^2/NDF:31.0/22

Left: 0.006+/-0.005 χ^2/NDF: 65.0/47

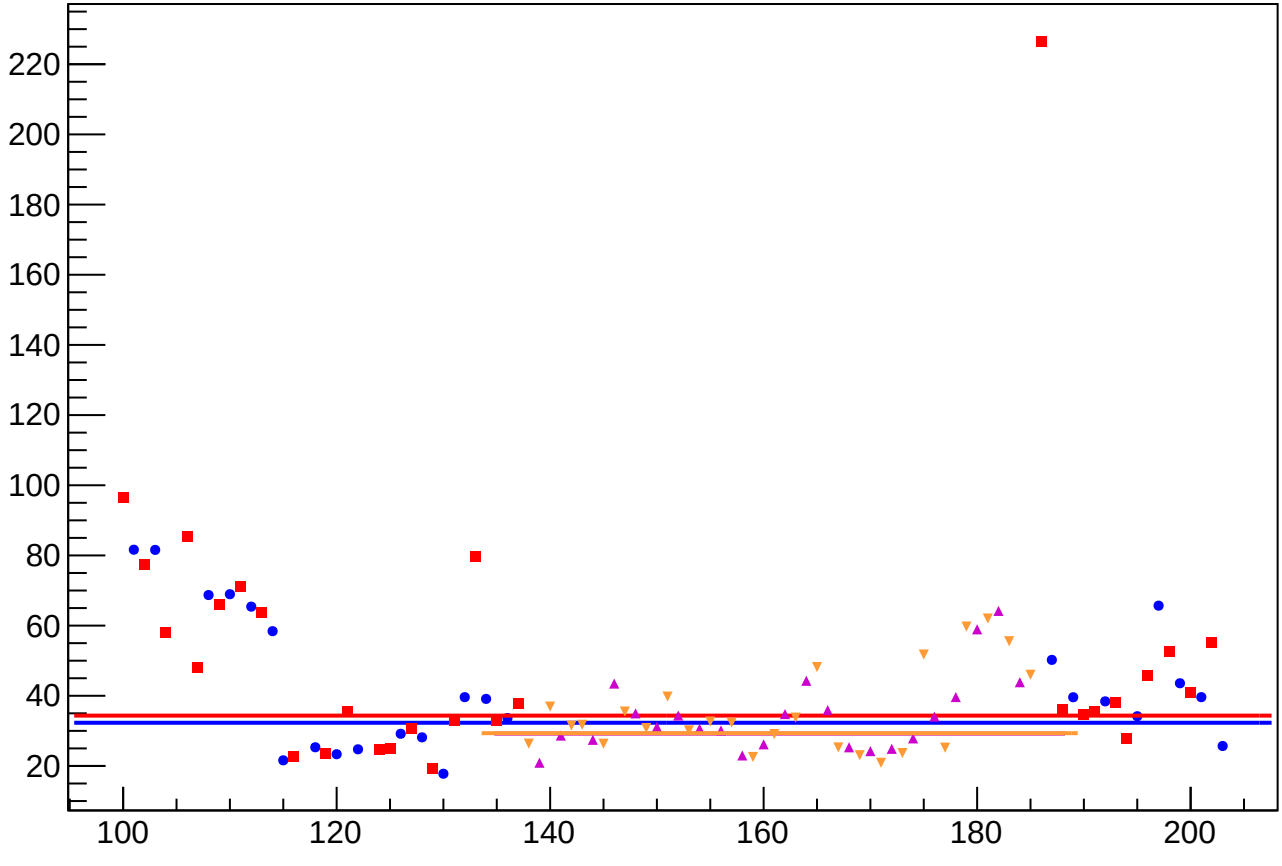
Right: 0.001+/-0.007 χ^2/NDF: 37.9/52

In: 0.007+/-0.006 χ^2/NDF:49.1/46

Out: 0.001+/-0.006 χ^2/NDF:53.5/53

All: 0.004+/-0.004 χ^2/NDF: 103.1/100

asym_sam_1526_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 32.312+/-0.007 χ^2/NDF: 3303503.5/23

Left Out: 29.338+/-0.005 χ^2/NDF:2687200.3/24

Right Out: 34.347+/-0.007 χ^2/NDF: 3886338.4/28

Left In: 29.227+/-0.005 χ^2/NDF:2097621.4/22

Left: 29.283+/-0.004 χ^2/NDF: 4785060.1/47

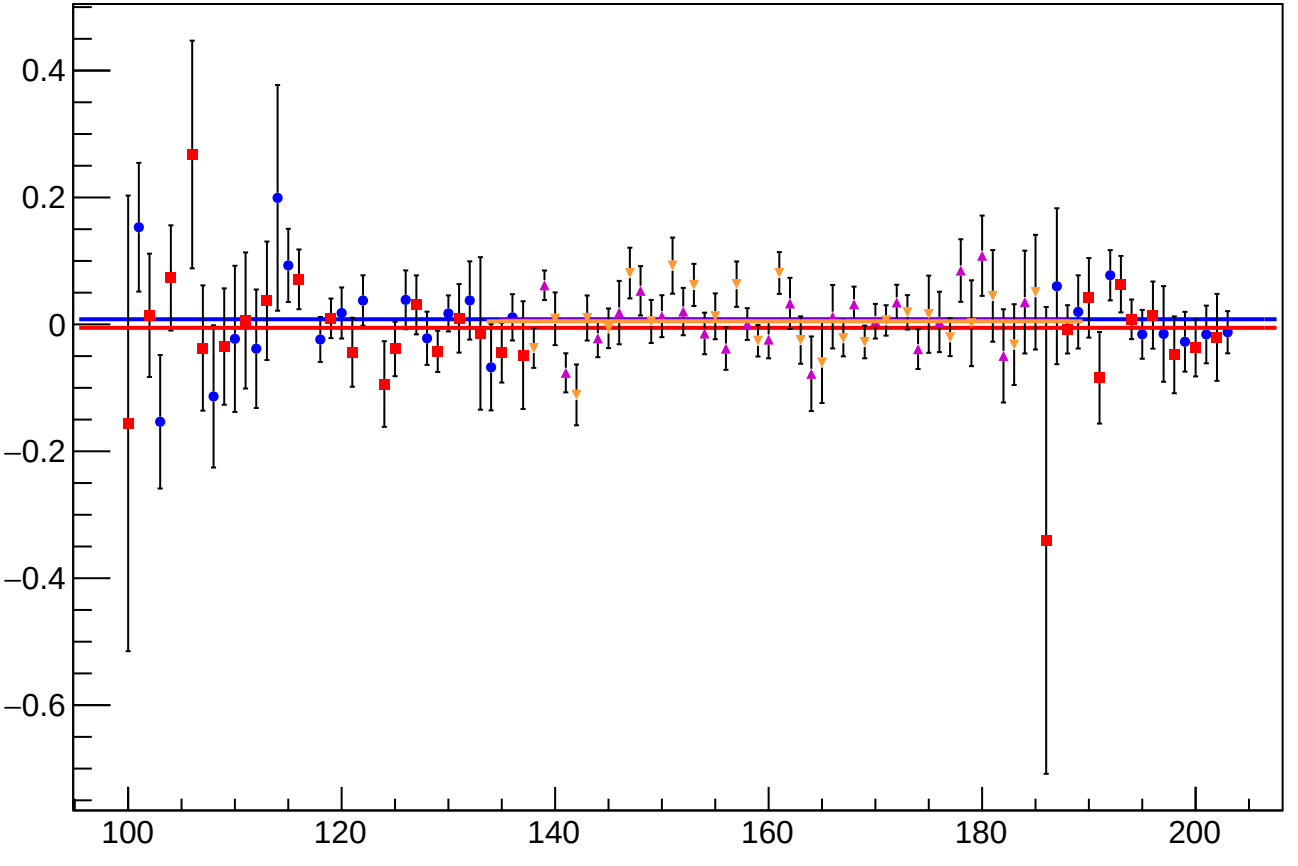
Right: 33.313+/-0.005 χ^2/NDF: 7230750.2/52

In: 30.294+/-0.004 χ^2/NDF:5526091.6/46

Out: 30.987+/-0.004 χ^2/NDF:6900766.7/53

All: 30.644+/-0.003 χ^2/NDF: 12440883.3/100

asym_sam_1526_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.008+/-0.010 χ^2/NDF: 18.2/23

Left Out: 0.005+/-0.007 χ^2/NDF:34.0/24

Right Out: -0.005+/-0.010 χ^2/NDF: 18.8/28

Left In: 0.006+/-0.007 χ^2/NDF:31.0/22

Left: 0.006+/-0.005 χ^2/NDF: 65.0/47

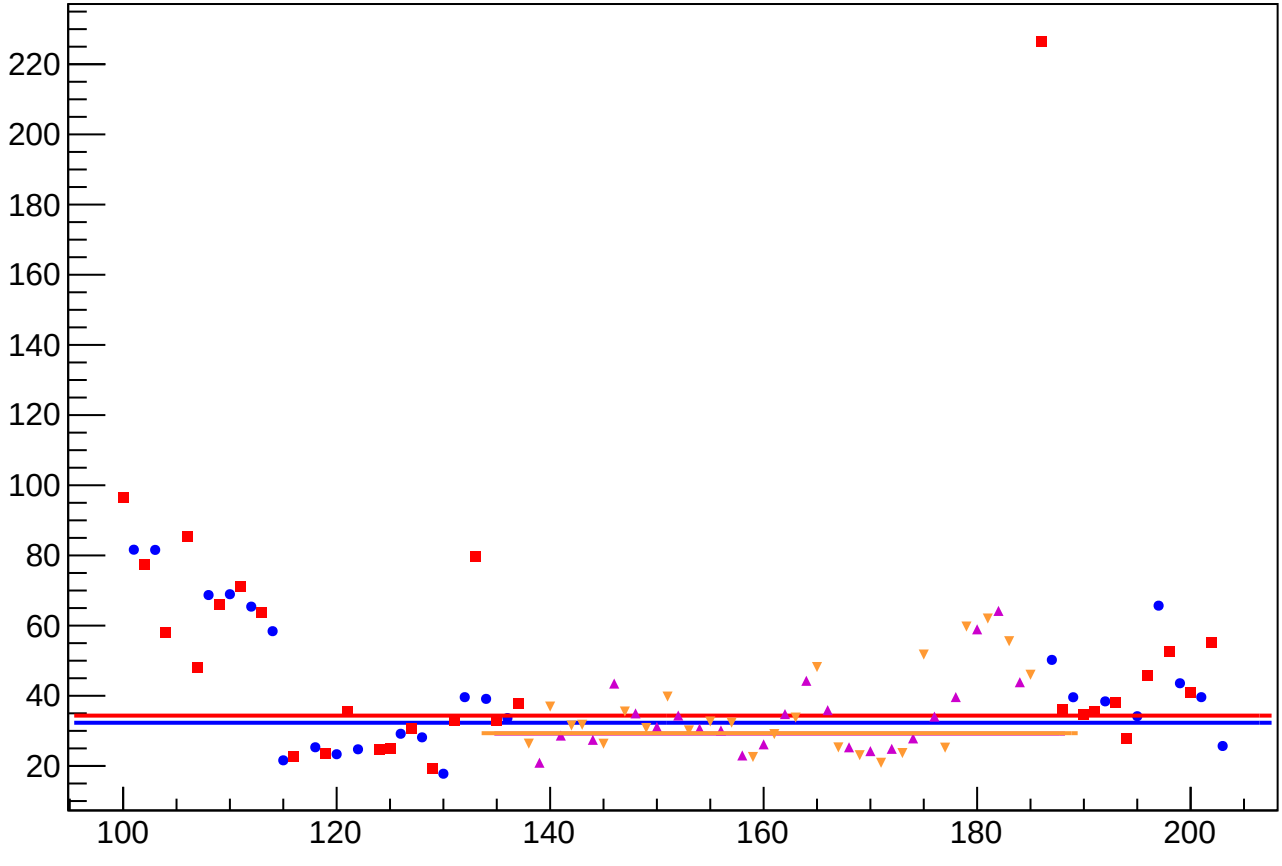
Right: 0.001+/-0.007 χ^2/NDF: 37.9/52

In: 0.007+/-0.006 χ^2/NDF:49.1/46

Out: 0.001+/-0.006 χ^2/NDF:53.5/53

All: 0.004+/-0.004 χ^2/NDF: 103.1/100

asym_sam_1526_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 32.312+/-0.007 χ^2/NDF: 3303503.5/23

Left Out: 29.338+/-0.005 χ^2/NDF:2687200.3/24

Right Out: 34.347+/-0.007 χ^2/NDF: 3886338.4/28

Left In: 29.227+/-0.005 χ^2/NDF:2097621.4/22

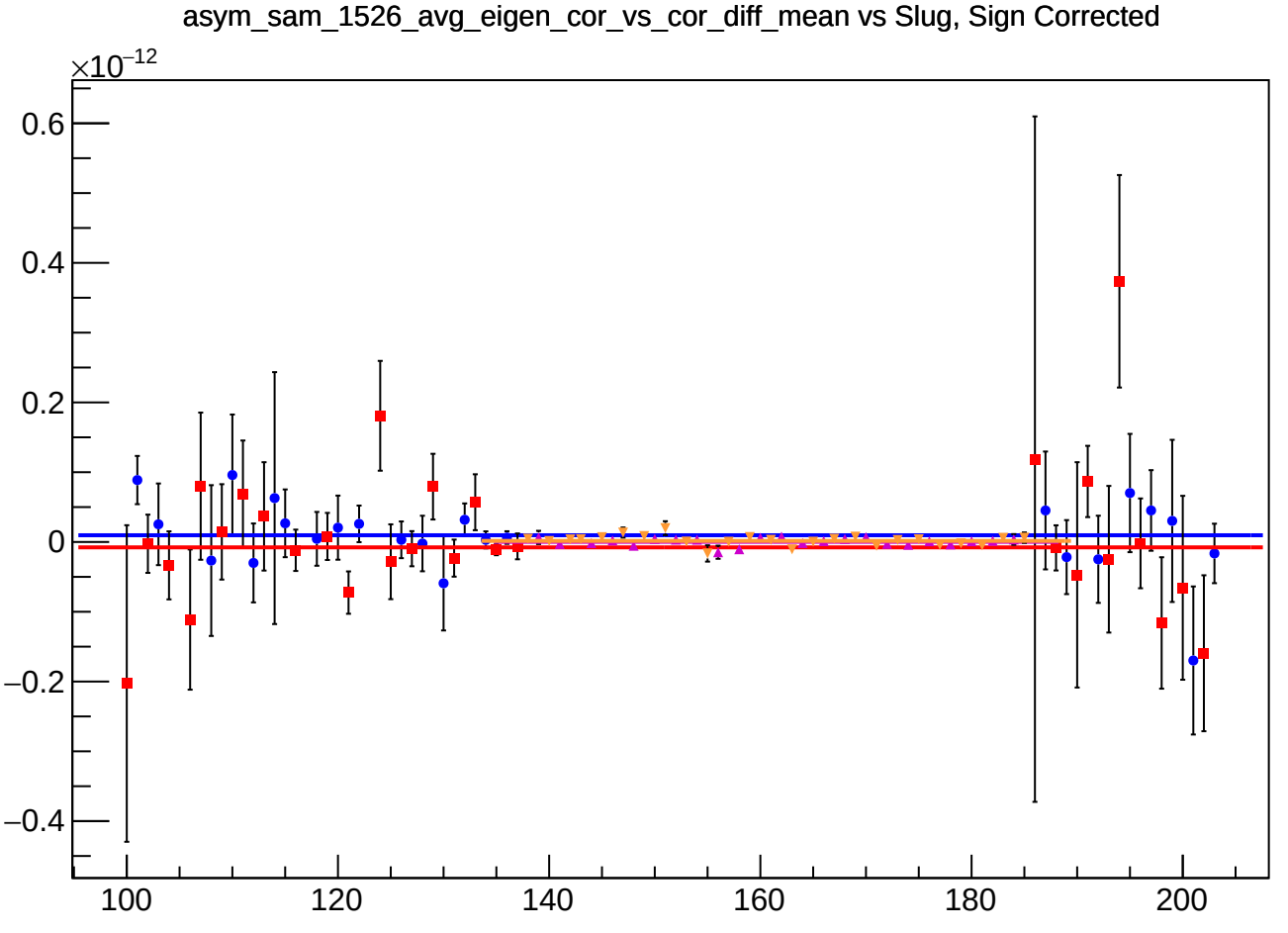
Left: 29.283+/-0.004 χ^2/NDF: 4785060.1/47

Right: 33.313+/-0.005 χ^2/NDF: 7230750.2/52

In: 30.294+/-0.004 χ^2/NDF:5526091.6/46

Out: 30.987+/-0.004 χ^2/NDF:6900766.7/53

All: 30.644+/-0.003 χ^2/NDF: 12440883.3/100



Right In: 0.000+/-0.000 χ^2/NDF: 15.1/23

Left Out: 0.000+/-0.000 χ^2/NDF:35.0/24

Right Out: -0.000+/-0.000 χ^2/NDF: 34.7/28

Left In: 0.000+/-0.000 χ^2/NDF:18.6/22

Left: 0.000+/-0.000 χ^2/NDF: 54.6/47

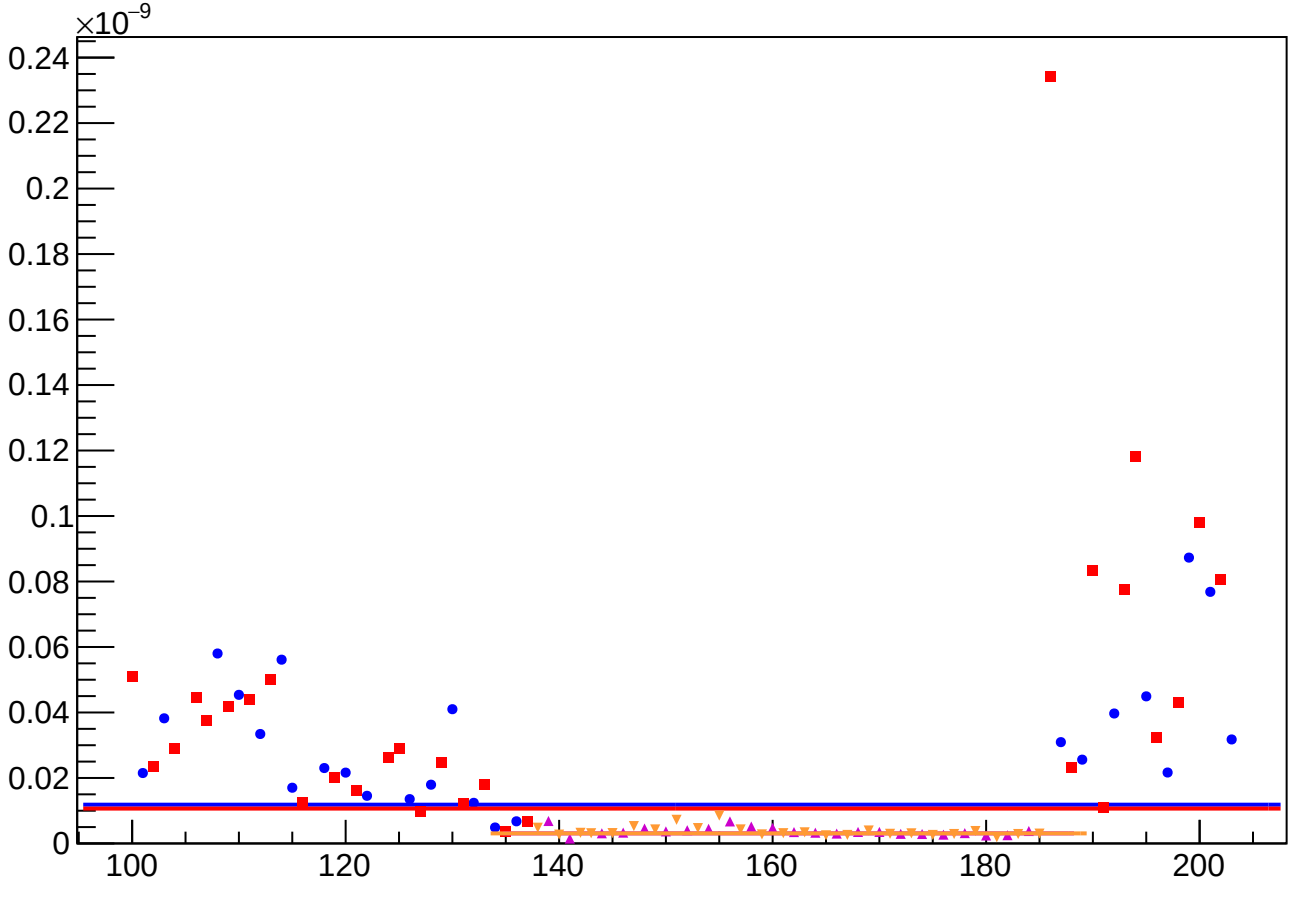
Right: 0.000+/-0.000 χ^2/NDF: 54.3/52

In: 0.000+/-0.000 χ^2/NDF:36.2/46

Out: 0.000+/-0.000 χ^2/NDF:72.2/53

All: 0.000+/-0.000 χ^2/NDF: 108.9/100

asym_sam_1526_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 6682915.6/23

Left Out: 0.000+/-0.000 χ^2/NDF:2024861.7/24

Right Out: 0.000+/-0.000 χ^2/NDF: 9710336.2/28

Left In: 0.000+/-0.000 χ^2/NDF:2149738.1/22

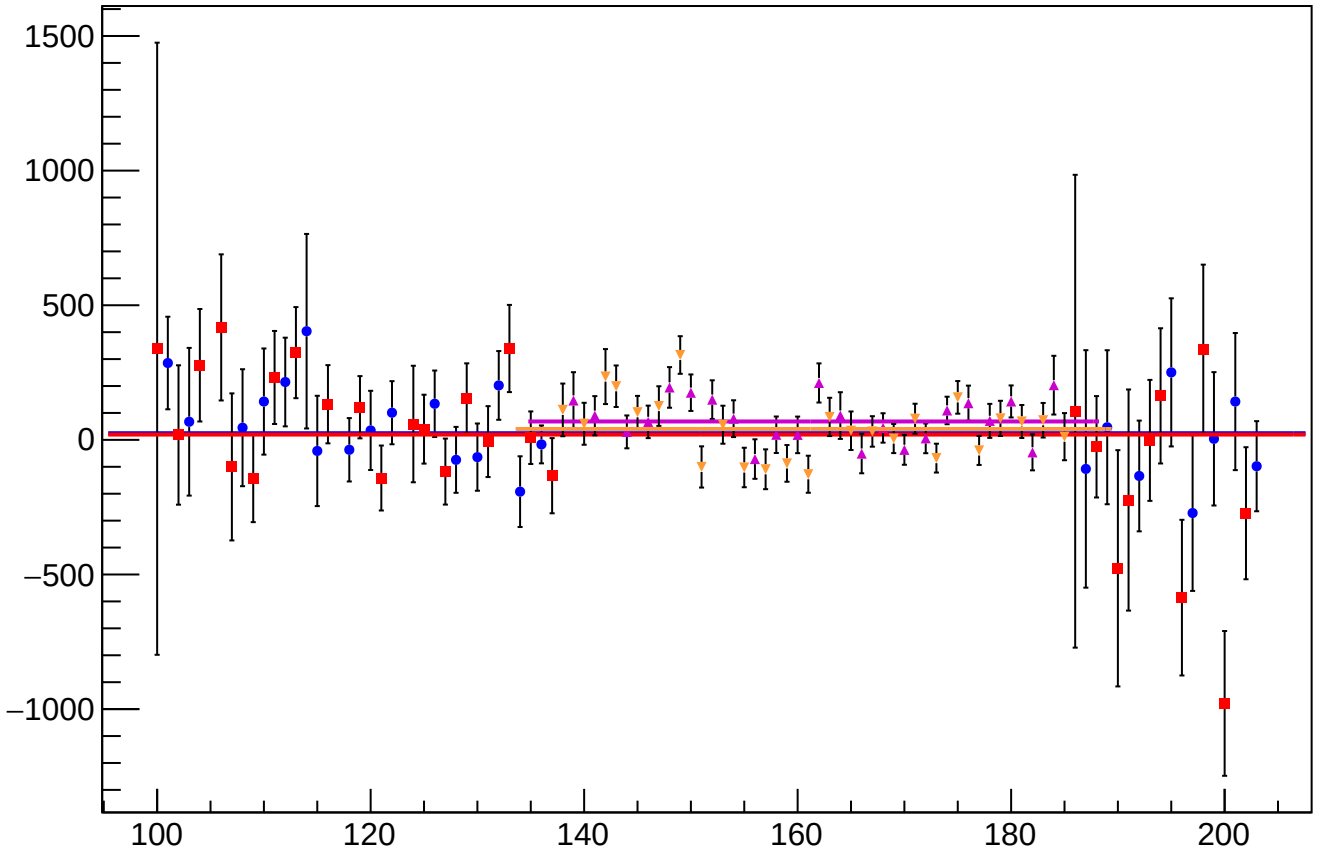
Left: 0.000+/-0.000 χ^2/NDF: 4174620.9/47

Right: 0.000+/-0.000 χ^2/NDF: 16436005.6/52

In: 0.000+/-0.000 χ^2/NDF:13275482.4/46

Out: 0.000+/-0.000 χ^2/NDF:15147533.1/53

All: 0.000+/-0.000 χ^2/NDF: 28424962.3/100



Right In: 24.684+/-31.547 χ^2/NDF: 16.1/23

Left Out: 40.342+/-13.402 χ^2/NDF:59.4/24

Right Out: 19.705+/-32.406 χ^2/NDF: 43.0/28

Left In: 68.344+/-13.866 χ^2/NDF:31.8/22

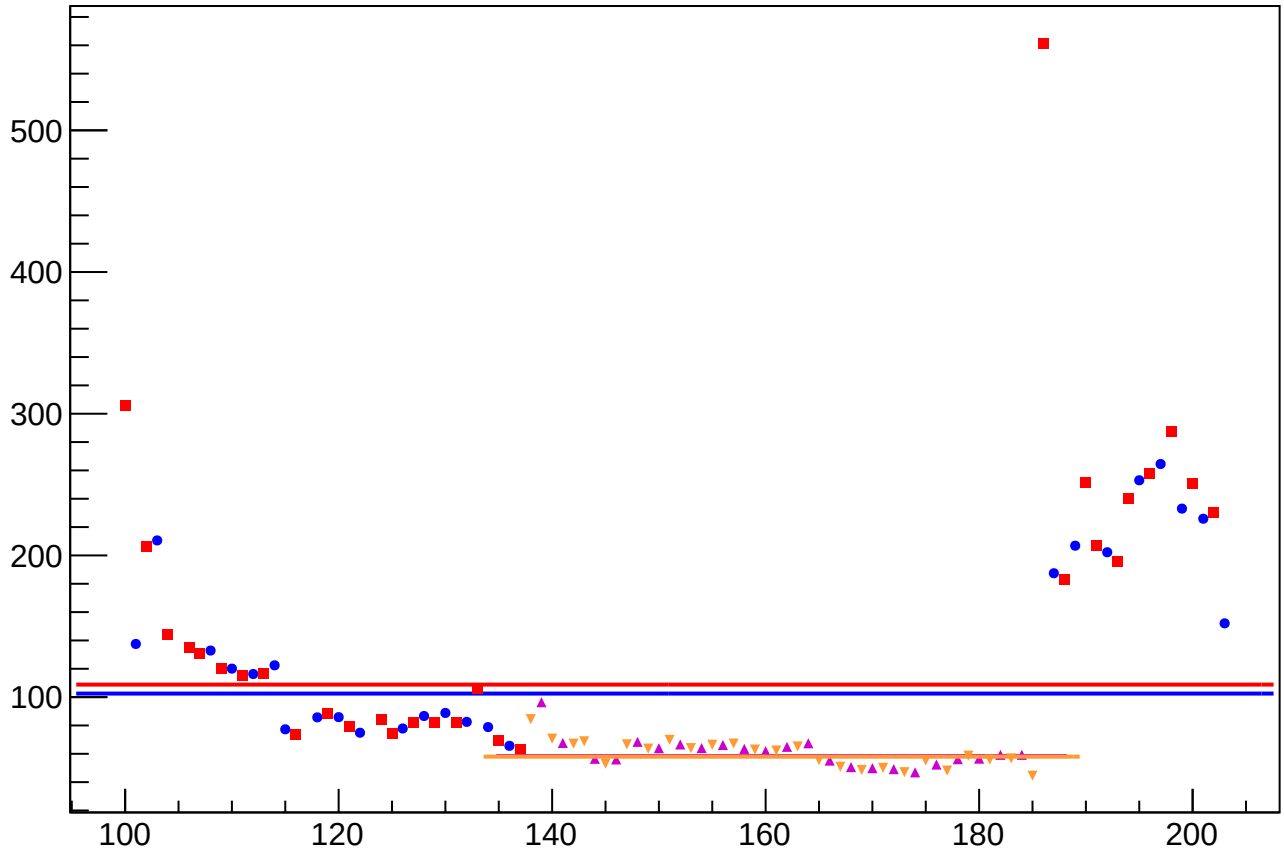
Left: 53.866+/-9.637 χ^2/NDF: 93.3/47

Right: 22.261+/-22.605 χ^2/NDF: 59.1/52

In: 61.275+/-12.694 χ^2/NDF:49.4/46

Out: 37.328+/-12.385 χ^2/NDF:102.8/53

All: 49.006+/-8.865 χ^2/NDF: 154.0/100



Right In: 102.505+/-0.022 χ^2/NDF: 4713913.5/23

Left Out: 57.996+/-0.009 χ^2/NDF:807648.8/24

Right Out: 108.840+/-0.023 χ^2/NDF: 5962611.7/28

Left In: 58.397+/-0.010 χ^2/NDF:735208.2/22

Left: 58.189+/-0.007 χ^2/NDF: 1543722.5/47

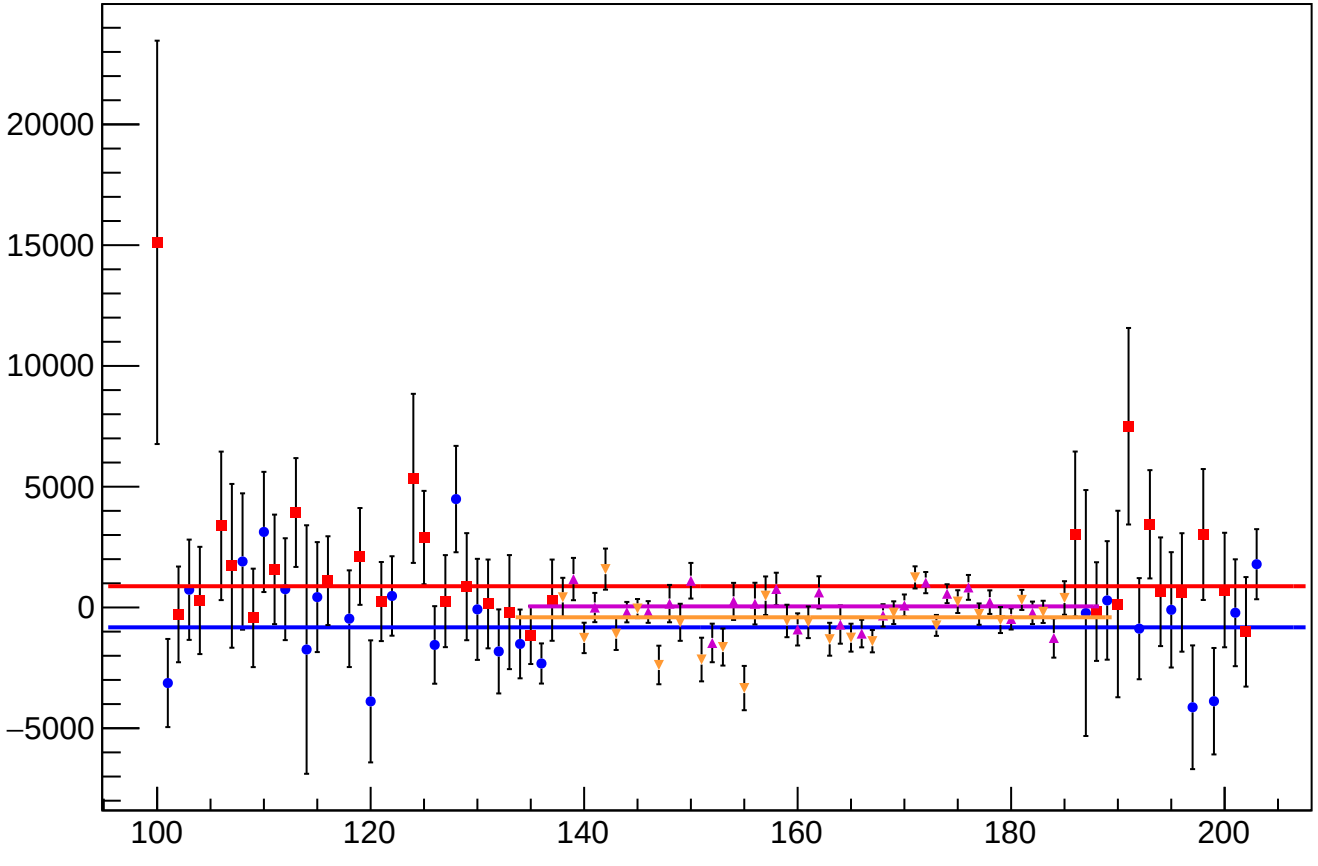
Right: 105.587+/-0.016 χ^2/NDF: 10715757.0/52

In: 65.538+/-0.009 χ^2/NDF:8725872.4/46

Out: 65.421+/-0.009 χ^2/NDF:10974454.9/53

All: 65.478+/-0.006 χ^2/NDF: 19700414.5/100

asym_sam_3726_avg_reg_correction_mean vs Slug, Sign Corrected



Right In: -822.397+/-383.764 χ^2/NDF: 25.8/23

Left Out: -406.322+/-113.468 χ^2/NDF:63.2/24

Right Out: 879.290+/-405.151 χ^2/NDF: 19.1/28

Left In: 44.831+/-115.765 χ^2/NDF:31.1/22

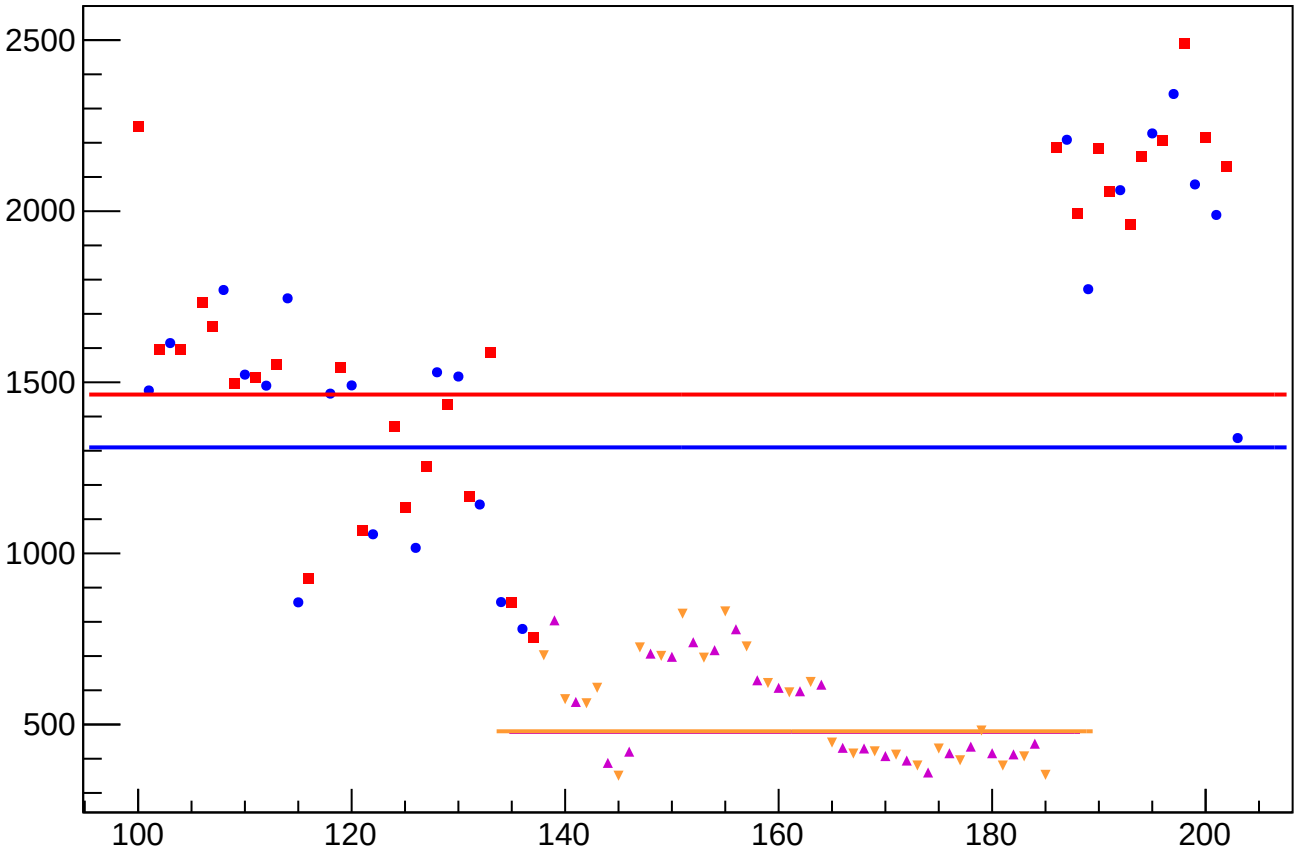
Left: -185.266+/-81.034 χ^2/NDF: 102.0/47

Right: -17.653+/-278.616 χ^2/NDF: 54.2/52

In: -27.502+/-110.832 χ^2/NDF:61.5/46

Out: -312.819+/-109.263 χ^2/NDF:91.6/53

All: -172.194+/-77.810 χ^2/NDF: 156.5/100



Right In: 1309.806+/-0.271 χ^2/NDF: 2890798.4/23

Left Out: 480.162+/-0.080 χ^2/NDF:2582213.9/24

Right Out: 1464.238+/-0.286 χ^2/NDF: 2832319.4/28

Left In: 478.084+/-0.082 χ^2/NDF:2215520.4/22

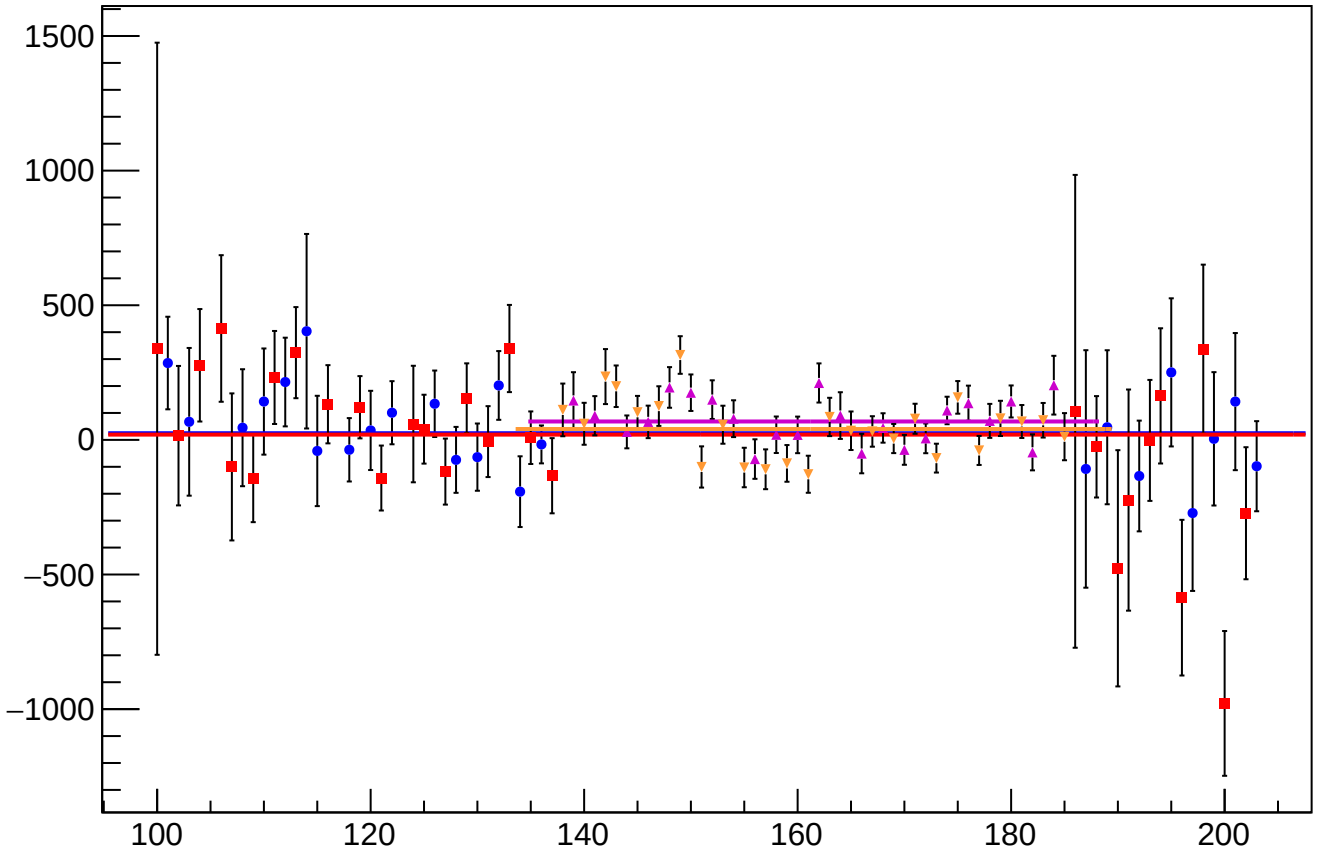
Left: 479.144+/-0.057 χ^2/NDF: 4798063.1/47

Right: 1382.839+/-0.197 χ^2/NDF: 5876281.8/52

In: 547.455+/-0.078 χ^2/NDF:13716970.0/46

Out: 551.734+/-0.077 χ^2/NDF:16355596.3/53

All: 549.625+/-0.055 χ^2/NDF: 30074078.0/10



Right In: 24.675+/-31.547 χ^2/NDF: 16.1/23

Left Out: 40.344+/-13.402 χ^2/NDF:59.4/24

Right Out: 19.573+/-32.408 χ^2/NDF: 43.0/28

Left In: 68.343+/-13.866 χ^2/NDF:31.7/22

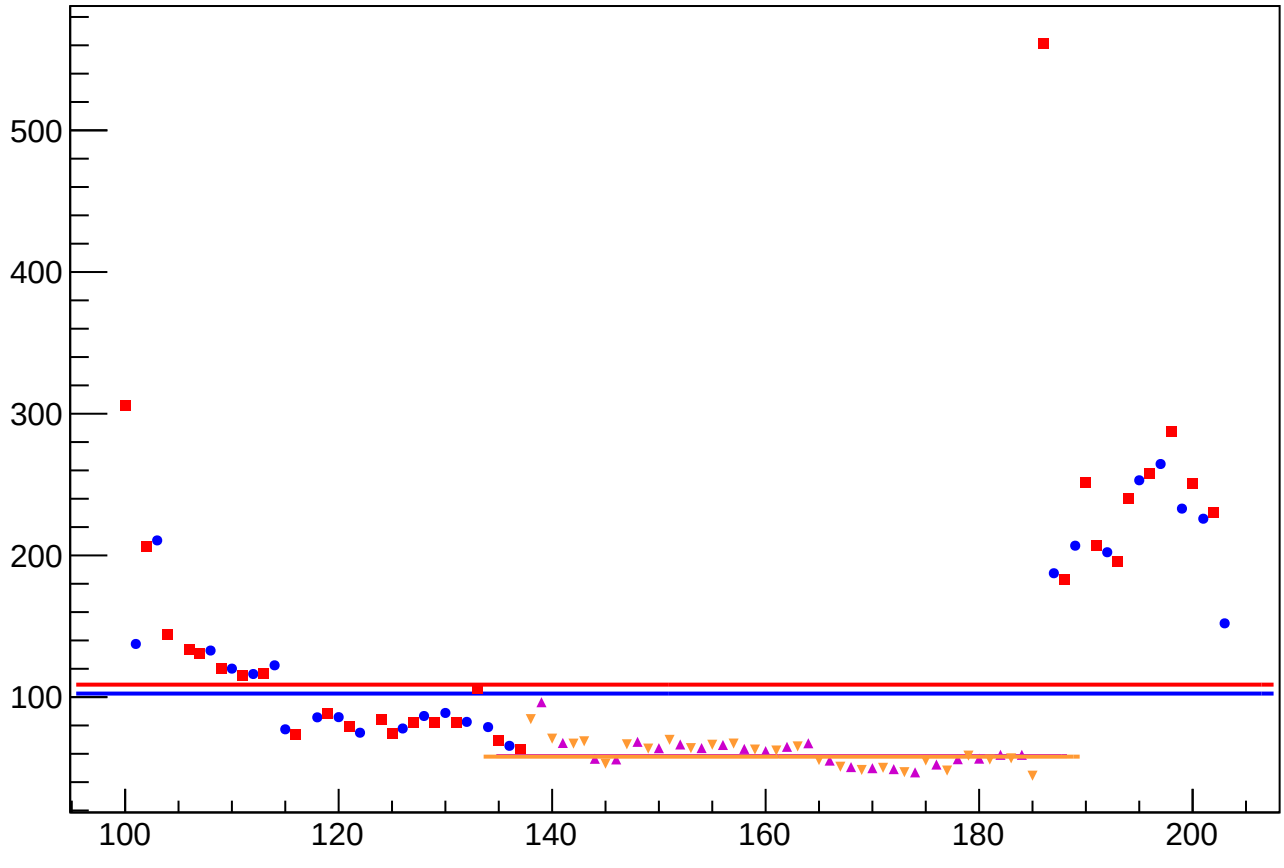
Left: 53.867+/-9.637 χ^2/NDF: 93.3/47

Right: 22.193+/-22.606 χ^2/NDF: 59.1/52

In: 61.273+/-12.694 χ^2/NDF:49.4/46

Out: 37.311+/-12.385 χ^2/NDF:102.8/53

All: 48.996+/-8.865 χ^2/NDF: 154.0/100



Right In: 102.505+/-0.022 χ^2/NDF: 4713916.6/23

Left Out: 57.996+/-0.009 χ^2/NDF:807648.7/24

Right Out: 108.810+/-0.023 χ^2/NDF: 5960129.5/28

Left In: 58.397+/-0.010 χ^2/NDF:735208.2/22

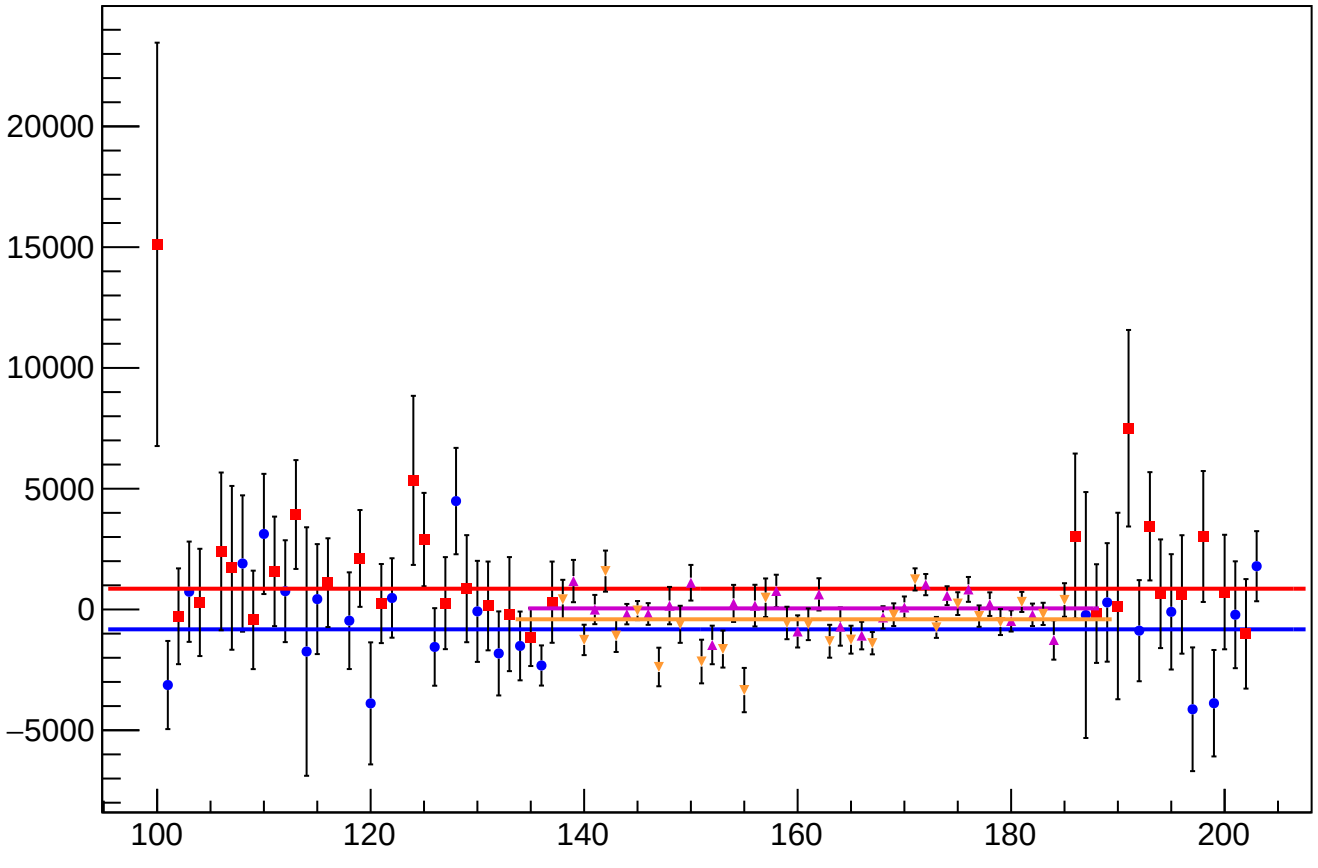
Left: 58.189+/-0.007 χ^2/NDF: 1543722.4/47

Right: 105.573+/-0.016 χ^2/NDF: 10712904.1/52

In: 65.538+/-0.009 χ^2/NDF:8725874.8/46

Out: 65.416+/-0.009 χ^2/NDF:10966619.9/53

All: 65.476+/-0.006 χ^2/NDF: 19692589.5/100



Right In: -822.371+/-383.764 χ^2/NDF: 25.8/23

Left Out: -406.320+/-113.468 χ^2/NDF:63.2/24

Right Out: 859.631+/-405.565 χ^2/NDF: 18.6/28

Left In: 44.830+/-115.765 χ^2/NDF:31.1/22

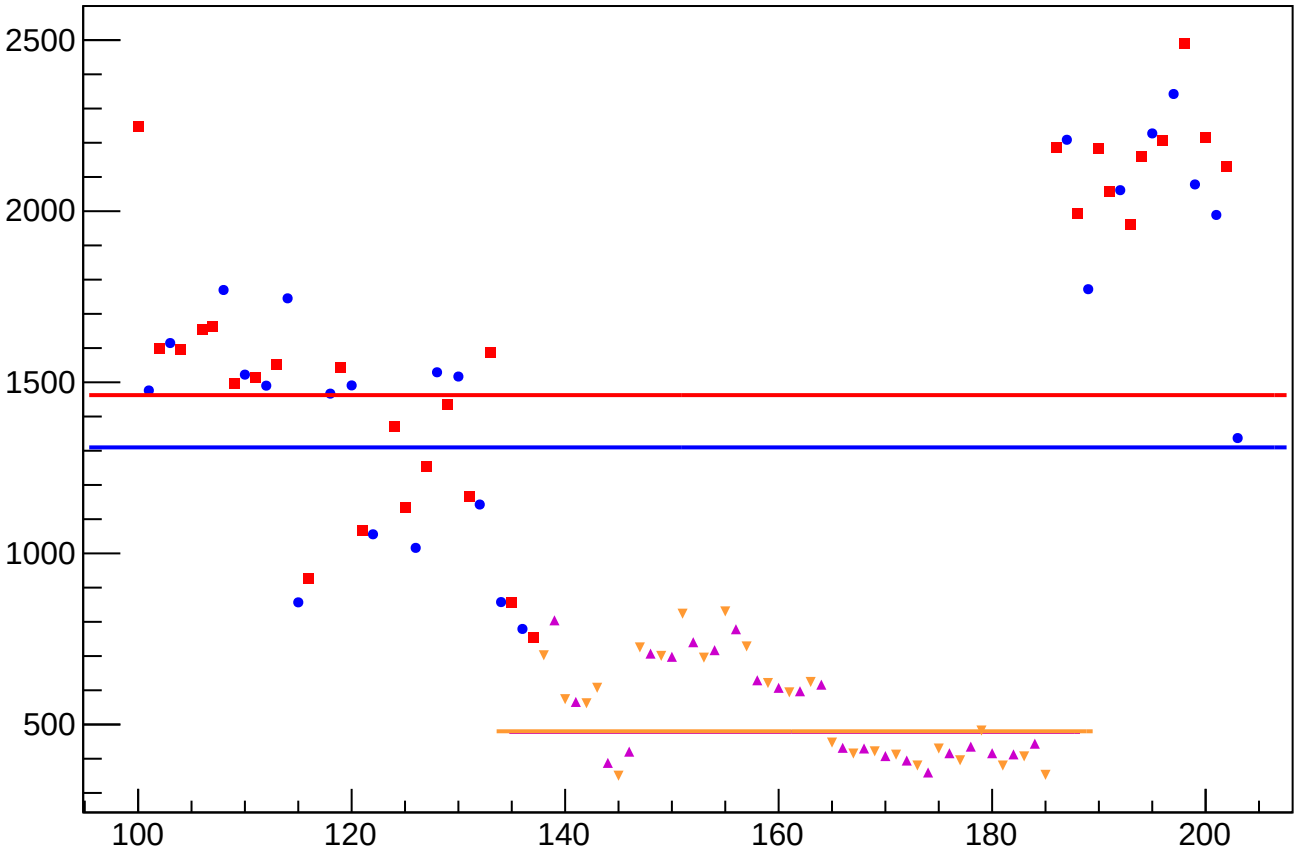
Left: -185.266+/-81.034 χ^2/NDF: 102.0/47

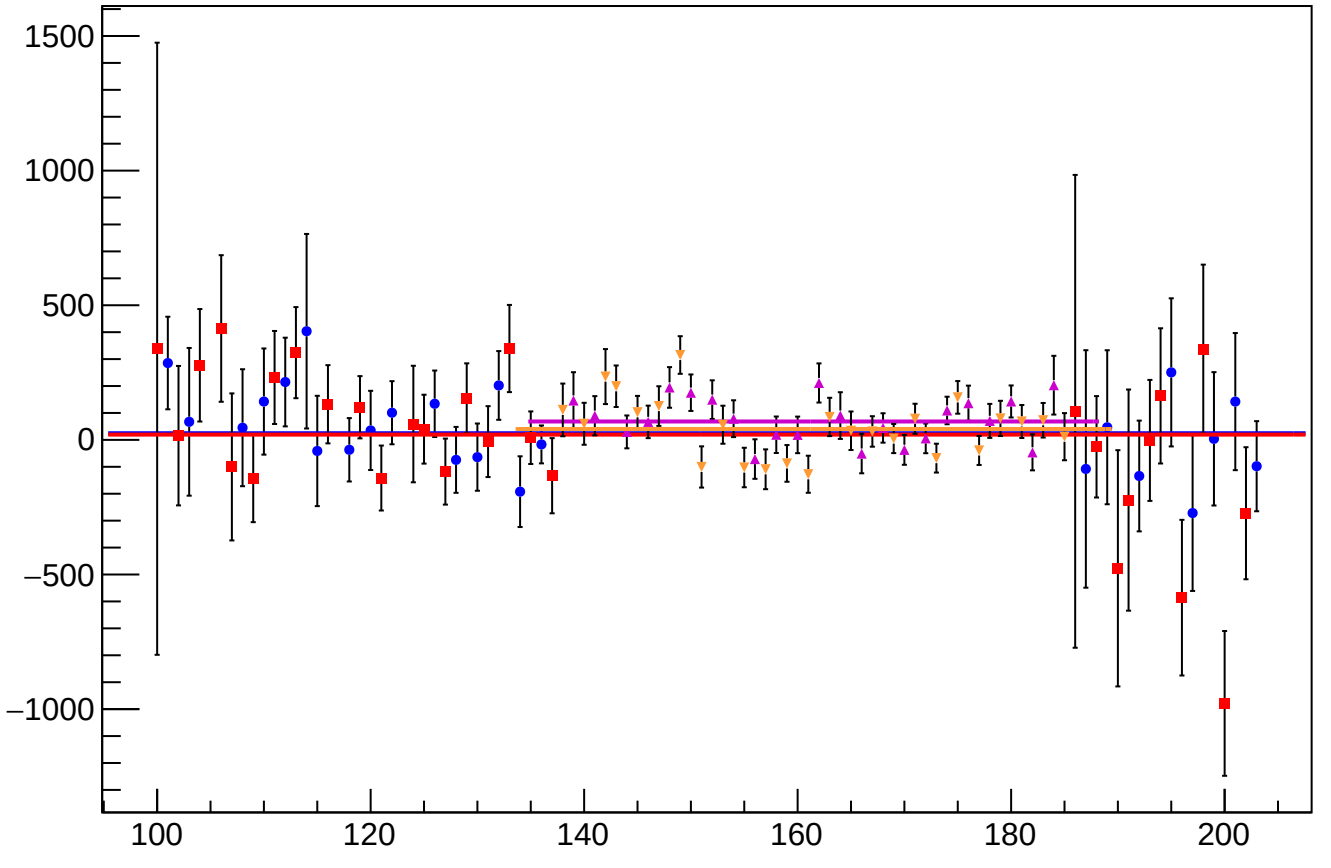
Right: -27.790+/-278.751 χ^2/NDF: 53.5/52

In: -27.500+/-110.832 χ^2/NDF:61.5/46

Out: -314.421+/-109.271 χ^2/NDF:90.9/53

All: -172.995+/-77.813 χ^2/NDF: 155.8/100


asym_sam_3726_avg_cor_correction_rms vs Slug, Sign Corrected
2500
2000
1500
1000
500
100
120
140
160
180
200
Right In: 1309.808+/-0.271 χ²/NDF: 2890828.8/23
Left Out: 480.162+/-0.080 χ²/NDF:2582209.1/24
Right Out: 1462.542+/-0.287 χ²/NDF: 2823944.3/28
Left In: 478.084+/-0.082 χ²/NDF:2215518.9/22
Left: 479.144+/-0.057 χ²/NDF: 4798056.8/47
Right: 1381.960+/-0.197 χ²/NDF: 5864425.3/52
In: 547.455+/-0.078 χ²/NDF:13716997.0/46
Out: 551.476+/-0.077 χ²/NDF:16288906.2/53
All: 549.494+/-0.055 χ²/NDF: 30007237.6/10



Right In: 24.675+/-31.547 χ^2/NDF: 16.1/23

Left Out: 40.344+/-13.402 χ^2/NDF:59.4/24

Right Out: 19.573+/-32.408 χ^2/NDF: 43.0/28

Left In: 68.343+/-13.866 χ^2/NDF:31.7/22

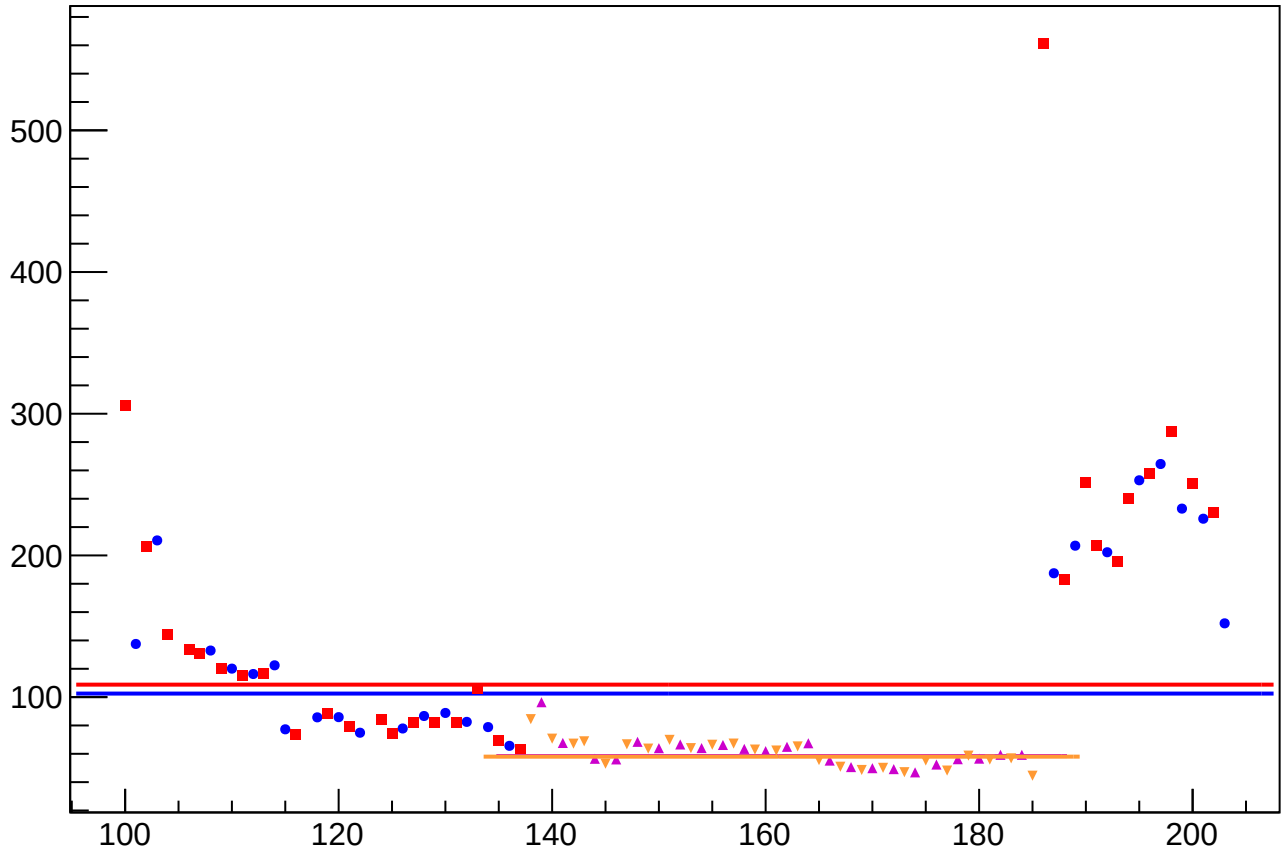
Left: 53.867+/-9.637 χ^2/NDF: 93.3/47

Right: 22.193+/-22.606 χ^2/NDF: 59.1/52

In: 61.273+/-12.694 χ^2/NDF:49.4/46

Out: 37.311+/-12.385 χ^2/NDF:102.8/53

All: 48.996+/-8.865 χ^2/NDF: 154.0/100



Right In: 102.505+/-0.022 χ^2/NDF: 4713916.6/23

Left Out: 57.996+/-0.009 χ^2/NDF:807648.7/24

Right Out: 108.810+/-0.023 χ^2/NDF: 5960129.5/28

Left In: 58.397+/-0.010 χ^2/NDF:735208.2/22

Left: 58.189+/-0.007 χ^2/NDF: 1543722.4/47

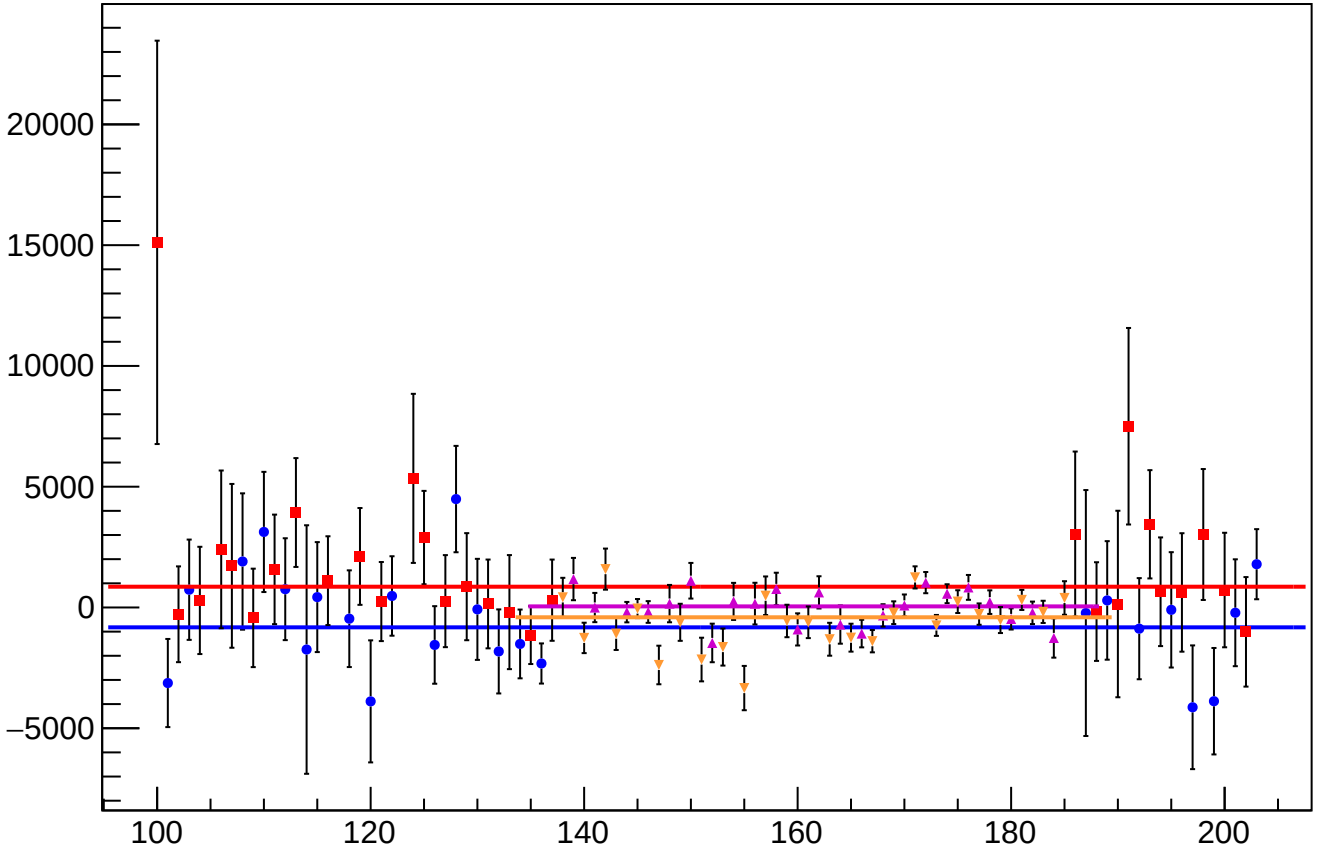
Right: 105.573+/-0.016 χ^2/NDF: 10712904.1/52

In: 65.538+/-0.009 χ^2/NDF:8725874.8/46

Out: 65.416+/-0.009 χ^2/NDF:10966619.9/53

All: 65.476+/-0.006 χ^2/NDF: 19692589.5/100

asym_sam_3726_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -822.371+/-383.764 χ^2/NDF: 25.8/23

Left Out: -406.320+/-113.468 χ^2/NDF:63.2/24

Right Out: 859.631+/-405.565 χ^2/NDF: 18.6/28

Left In: 44.830+/-115.765 χ^2/NDF:31.1/22

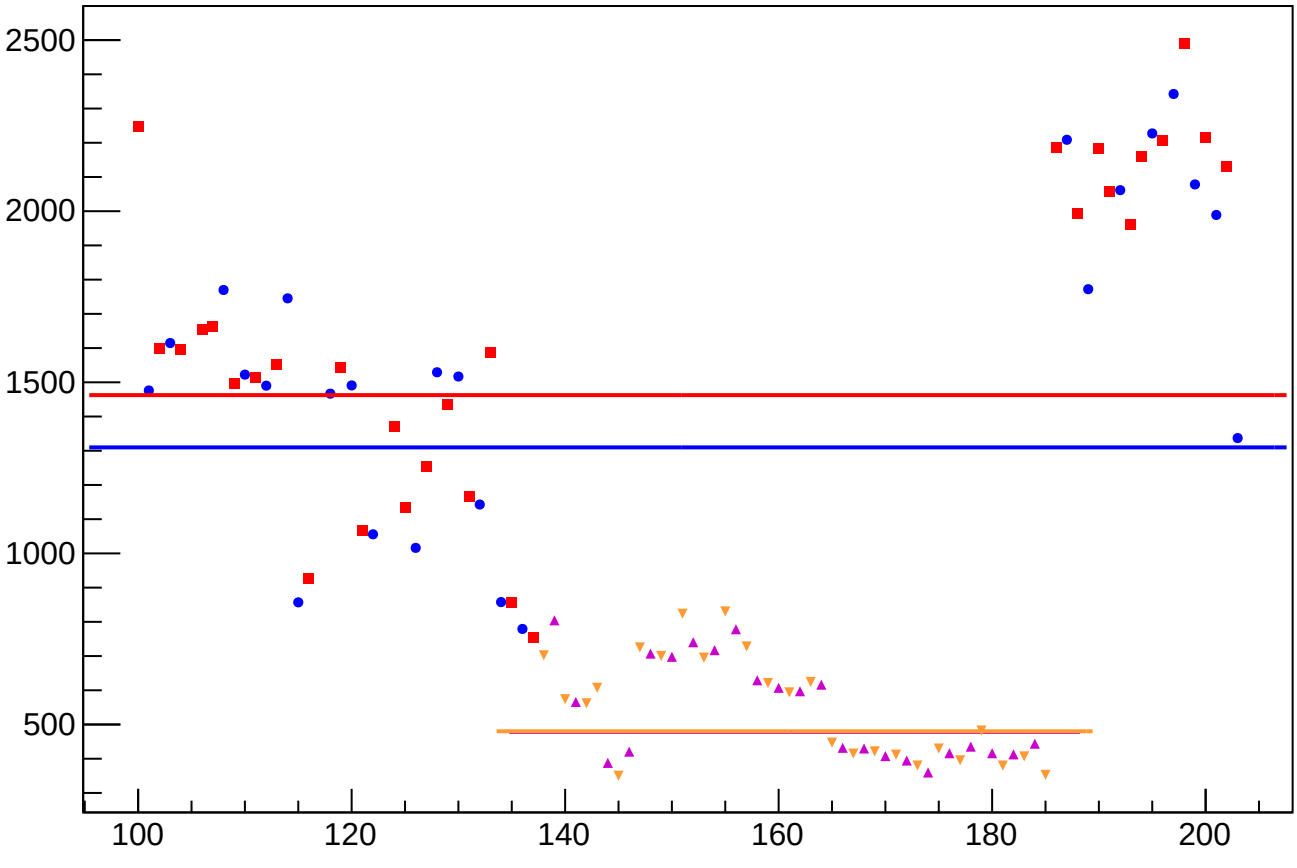
Left: -185.266+/-81.034 χ^2/NDF: 102.0/47

Right: -27.790+/-278.751 χ^2/NDF: 53.5/52

In: -27.500+/-110.832 χ^2/NDF:61.5/46

Out: -314.421+/-109.271 χ^2/NDF:90.9/53

All: -172.995+/-77.813 χ^2/NDF: 155.8/100



Right In: 1309.808+/-0.271 χ^2/NDF: 2890828.8/23

Left Out: 480.162+/-0.080 χ^2/NDF:2582209.1/24

Right Out: 1462.542+/-0.287 χ^2/NDF: 2823944.3/28

Left In: 478.084+/-0.082 χ^2/NDF:2215518.9/22

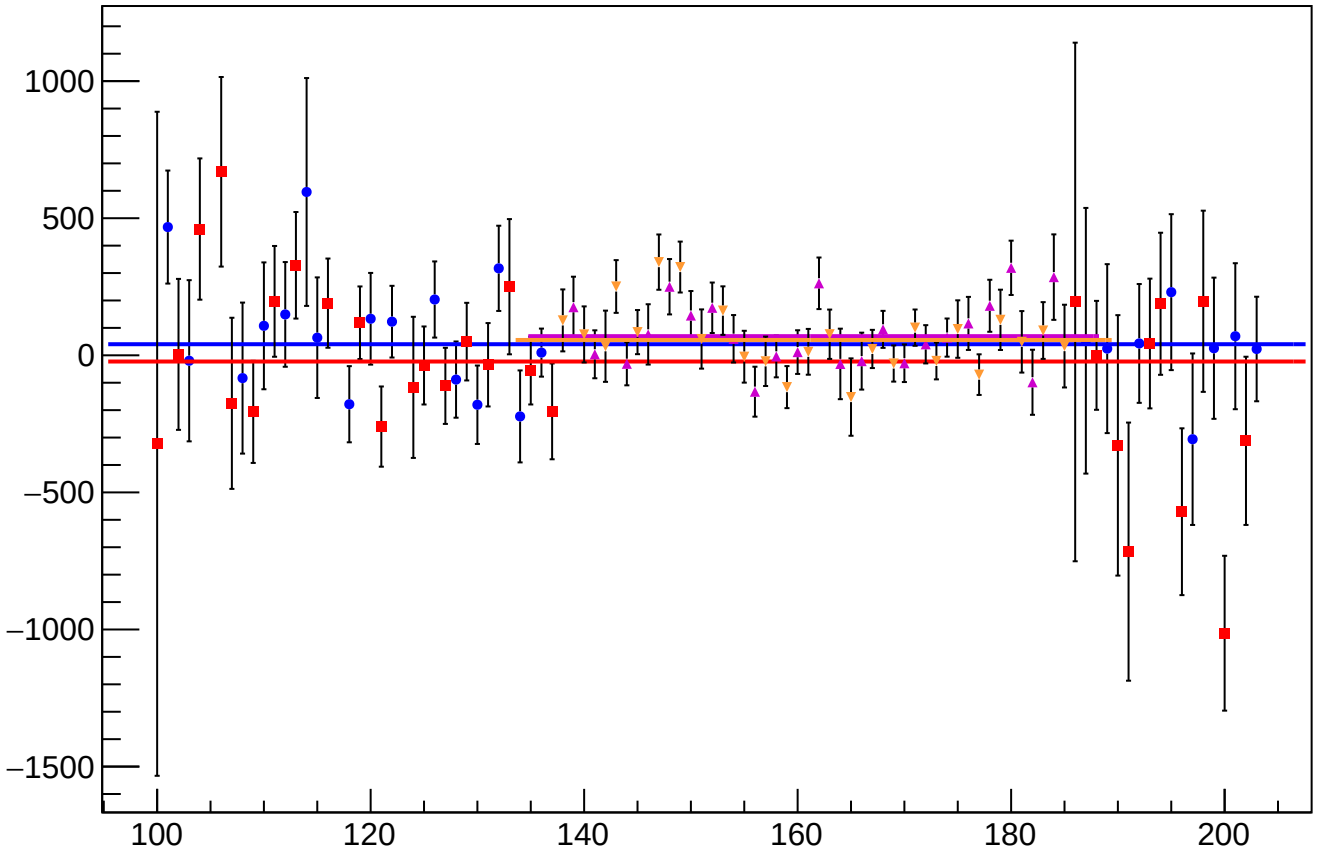
Left: 479.144+/-0.057 χ^2/NDF: 4798056.8/47

Right: 1381.960+/-0.197 χ^2/NDF: 5864425.3/52

In: 547.455+/-0.078 χ^2/NDF:13716997.0/46

Out: 551.476+/-0.077 χ^2/NDF:16288906.2/53

All: 549.494+/-0.055 χ^2/NDF: 30007237.6/10



Right In: 40.459+/-36.711 χ^2/NDF: 22.0/23

Left Out: 55.949+/-17.949 χ^2/NDF:38.3/24

Right Out: -22.655+/-37.677 χ^2/NDF: 42.2/28

Left In: 69.844+/-18.497 χ^2/NDF:34.5/22

Left: 62.687+/-12.881 χ^2/NDF: 73.1/47

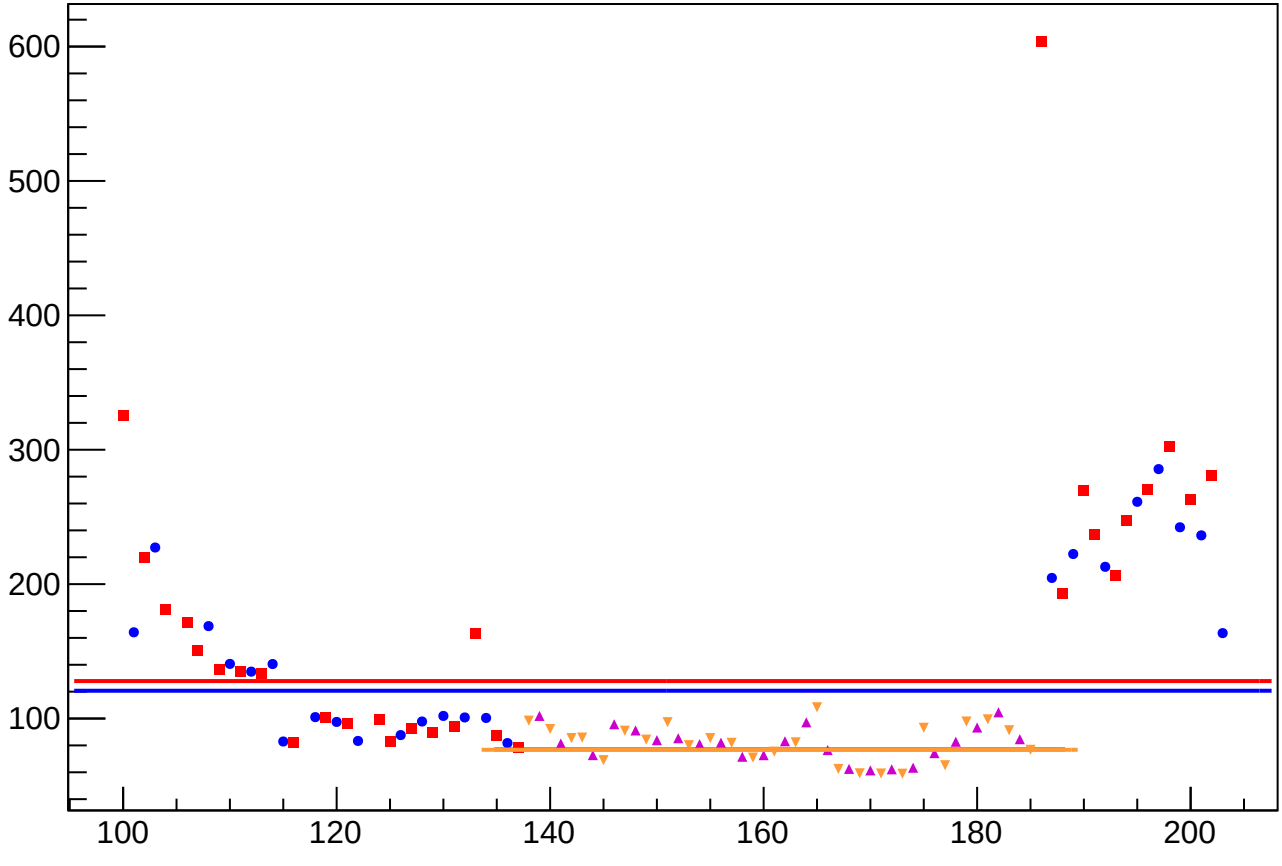
Right: 9.722+/-26.293 χ^2/NDF: 65.7/52

In: 63.894+/-16.518 χ^2/NDF:57.1/46

Out: 41.409+/-16.204 χ^2/NDF:84.1/53

All: 52.436+/-11.568 χ^2/NDF: 142.1/100

dit_asym_sam_3726_avg_rms vs Slug, Sign Corrected



Right In: 120.673+/-0.026 χ^2/NDF: 4011793.1/23

Left Out: 76.744+/-0.013 χ^2/NDF:1234629.1/24

Right Out: 127.881+/-0.027 χ^2/NDF: 5369361.0/28

Left In: 77.018+/-0.013 χ^2/NDF:858871.7/22

Left: 76.877+/-0.009 χ^2/NDF: 2093727.3/47

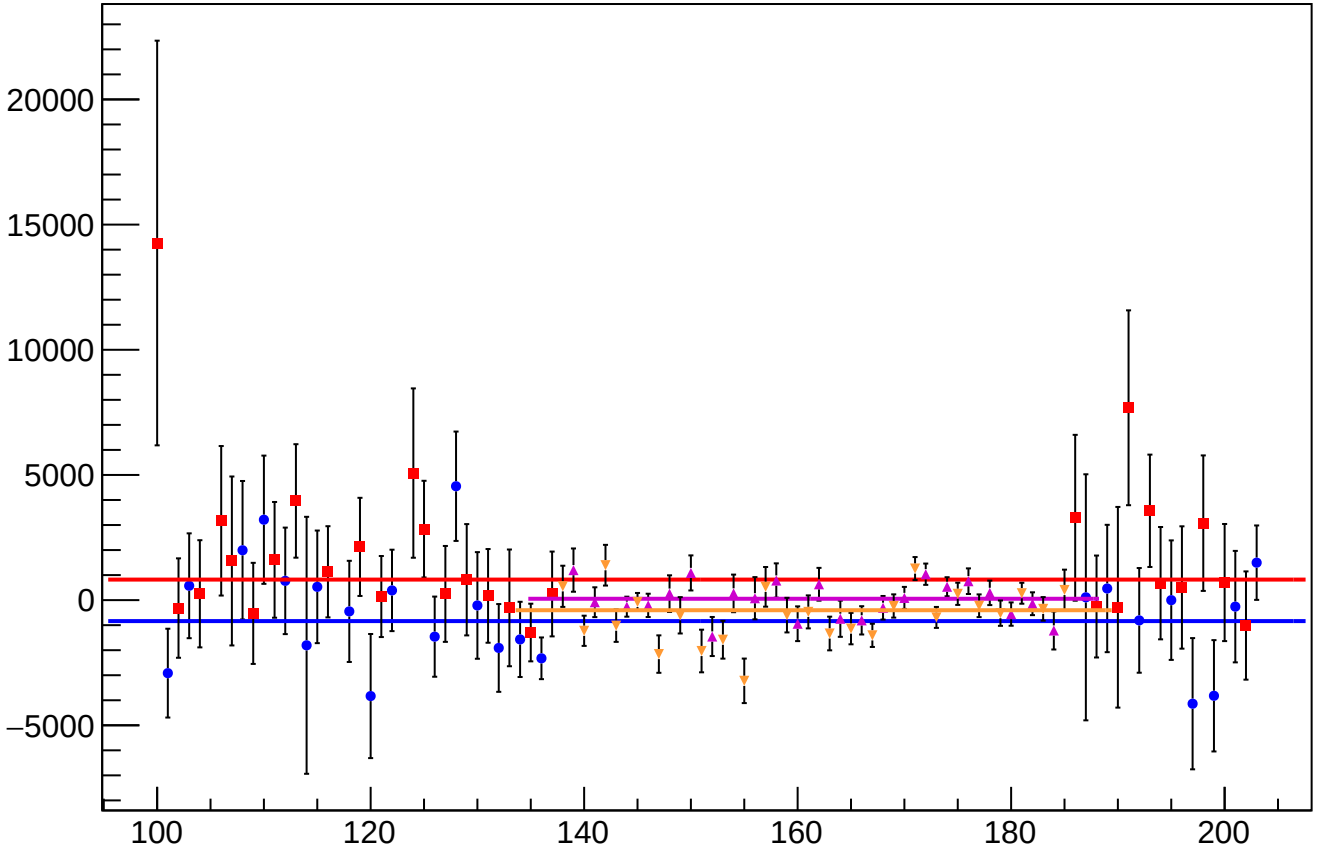
Right: 124.183+/-0.019 χ^2/NDF: 9418705.6/52

In: 85.857+/-0.012 χ^2/NDF:7126238.1/46

Out: 86.203+/-0.011 χ^2/NDF:9606759.5/53

All: 86.033+/-0.008 χ^2/NDF: 16733445.4/100

asym_sam_3726_avg_dit_correction_mean vs Slug, Sign Corrected



Right In: -837.682+/-386.206 χ^2/NDF: 24.9/23

Left Out: -403.375+/-111.773 χ^2/NDF:60.7/24

Right Out: 820.383+/-400.990 χ^2/NDF: 20.5/28

Left In: 54.192+/-114.223 χ^2/NDF:30.7/22

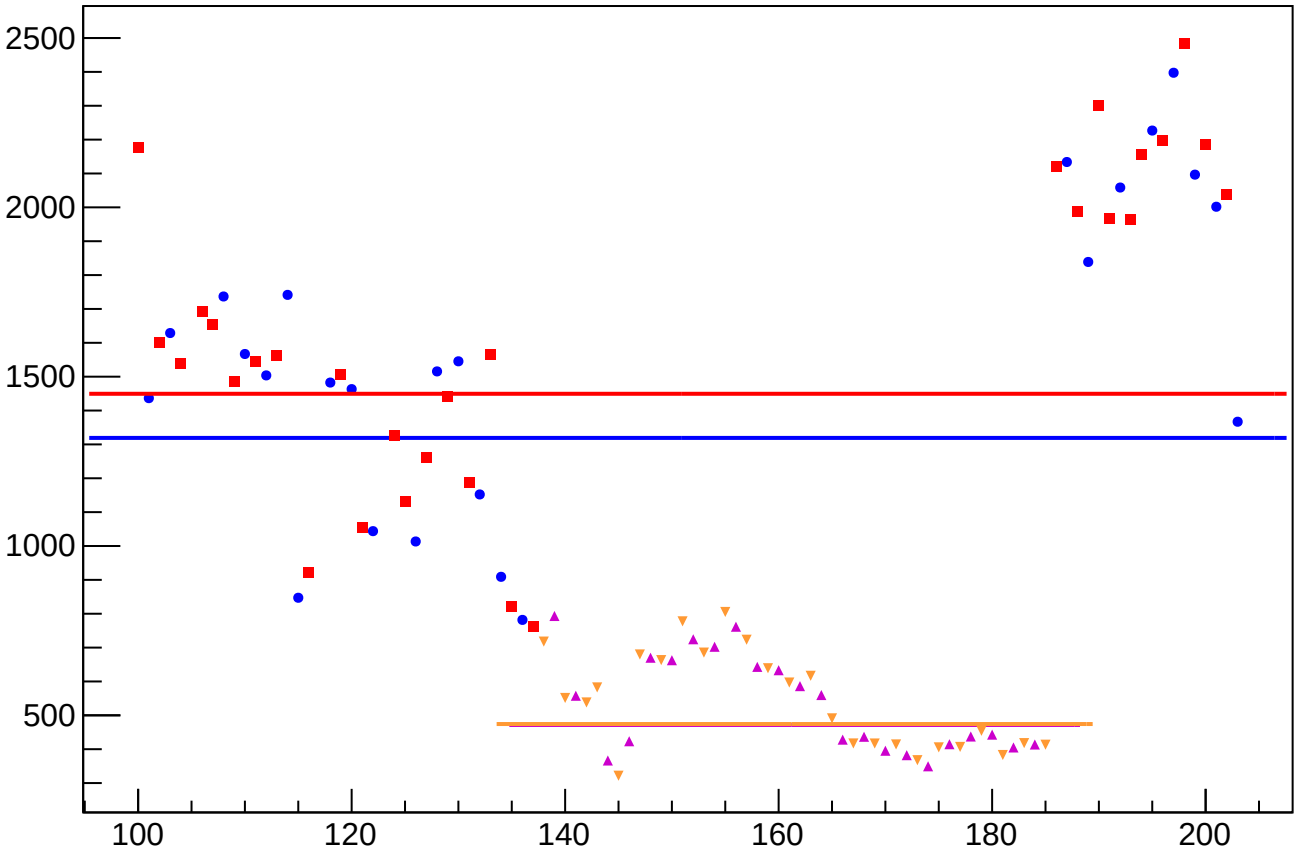
Left: -179.552+/-79.888 χ^2/NDF: 99.6/47

Right: -39.777+/-278.169 χ^2/NDF: 54.3/52

In: -17.547+/-109.533 χ^2/NDF:60.4/46

Out: -315.147+/-107.669 χ^2/NDF:89.9/53

All: -168.902+/-76.784 χ^2/NDF: 154.1/100



Right In: 1319.196+/-0.273 χ^2/NDF: 2872987.2/23

Left Out: 474.294+/-0.079 χ^2/NDF:2538995.4/24

Right Out: 1449.480+/-0.284 χ^2/NDF: 2871043.2/28

Left In: 471.456+/-0.081 χ^2/NDF:2209343.4/22

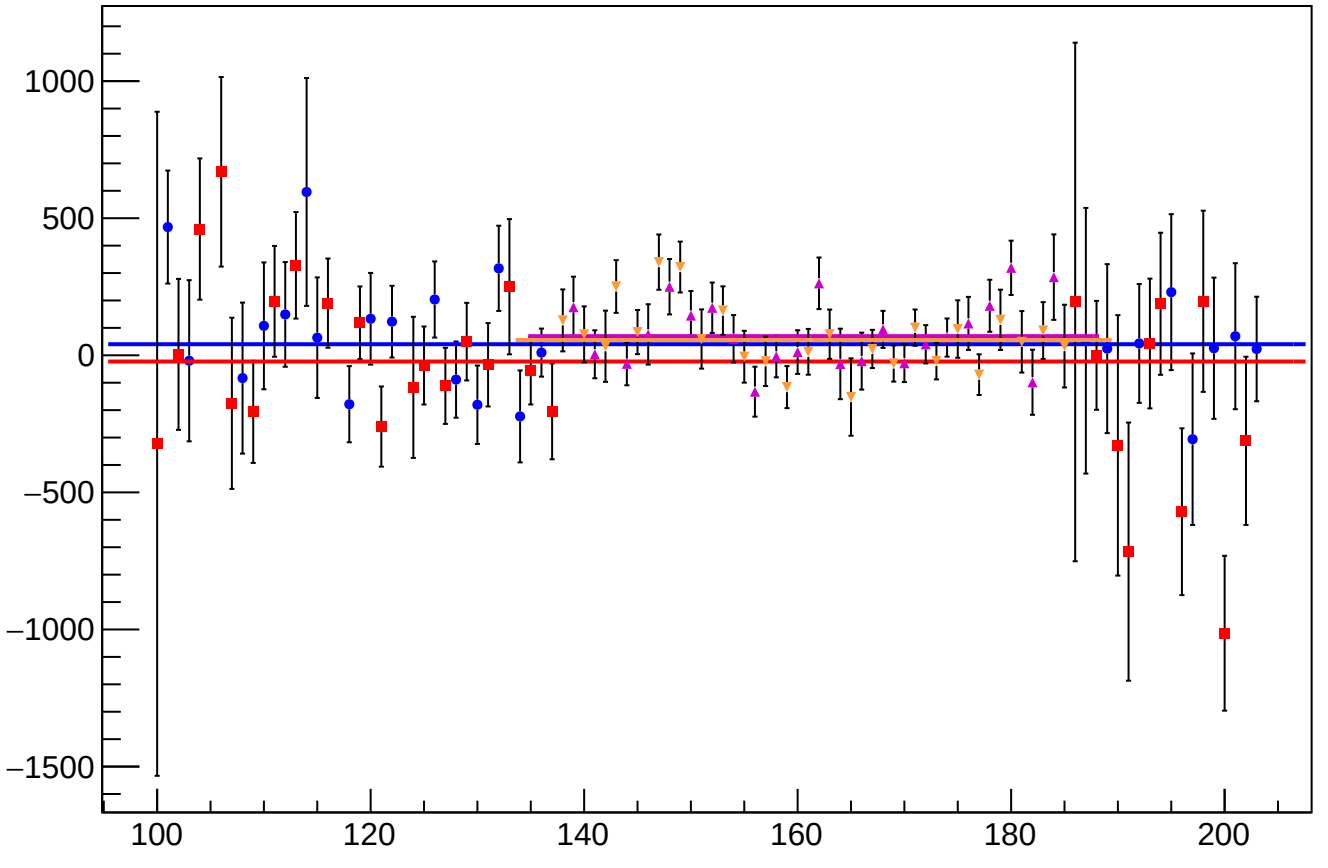
Left: 472.906+/-0.056 χ^2/NDF: 4748969.5/47

Right: 1381.892+/-0.197 χ^2/NDF: 5853557.5/52

In: 539.645+/-0.077 χ^2/NDF:13943665.7/46

Out: 544.601+/-0.076 χ^2/NDF:16385974.5/53

All: 542.166+/-0.054 χ^2/NDF: 30331722.6/10



Right In: 40.459+/-36.710 χ^2/NDF: 22.0/23

Left Out: 55.948+/-17.949 χ^2/NDF:38.3/24

Right Out: -22.657+/-37.677 χ^2/NDF: 42.2/28

Left In: 69.843+/-18.497 χ^2/NDF:34.5/22

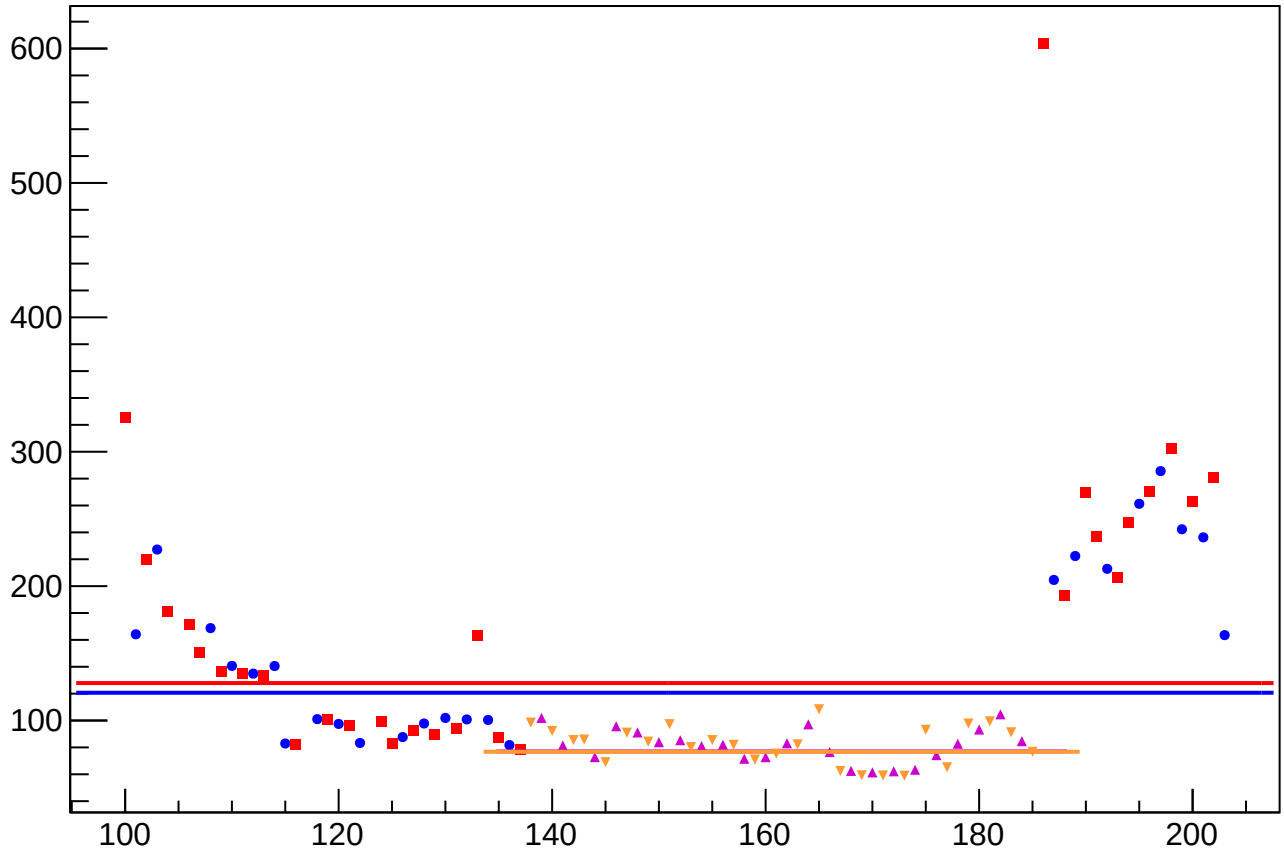
Left: 62.687+/-12.881 χ^2/NDF: 73.1/47

Right: 9.721+/-26.293 χ^2/NDF: 65.7/52

In: 63.894+/-16.518 χ^2/NDF:57.1/46

Out: 41.408+/-16.204 χ^2/NDF:84.1/53

All: 52.435+/-11.568 χ^2/NDF: 142.1/100



Right In: 120.672+/-0.026 χ^2/NDF: 4011800.1/23

Left Out: 76.744+/-0.013 χ^2/NDF:1234627.7/24

Right Out: 127.881+/-0.027 χ^2/NDF: 5369370.4/28

Left In: 77.018+/-0.013 χ^2/NDF:858863.2/22

Left: 76.877+/-0.009 χ^2/NDF: 2093717.5/47

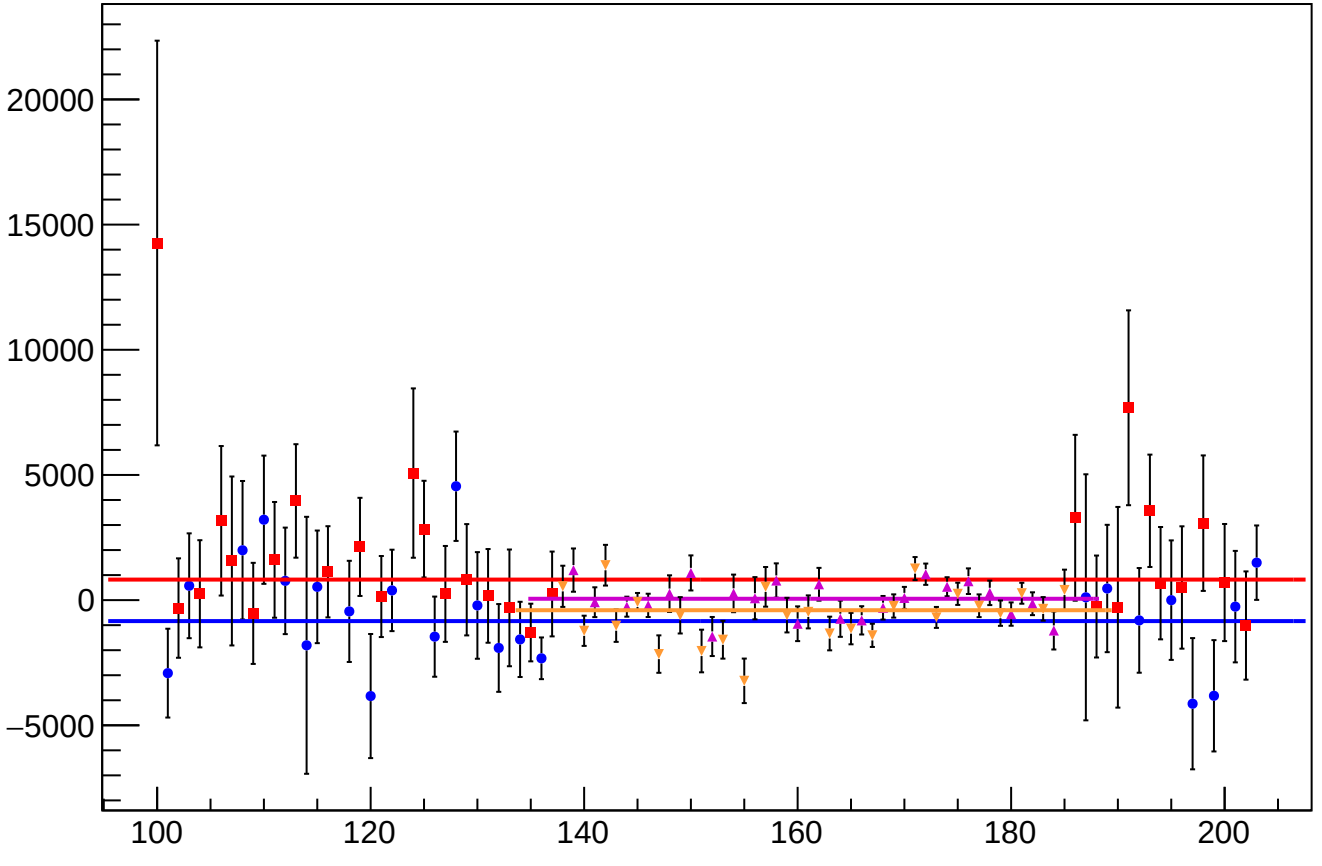
Right: 124.183+/-0.019 χ^2/NDF: 9418723.8/52

In: 85.857+/-0.012 χ^2/NDF:7126183.5/46

Out: 86.203+/-0.011 χ^2/NDF:9606724.9/53

All: 86.033+/-0.008 χ^2/NDF: 16733356.3/100

asym_sam_3726_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -837.679+/-386.206 χ^2/NDF: 24.9/23

Left Out: -403.375+/-111.773 χ^2/NDF:60.7/24

Right Out: 820.384+/-400.989 χ^2/NDF: 20.5/28

Left In: 54.192+/-114.223 χ^2/NDF:30.7/22

Left: -179.551+/-79.888 χ^2/NDF: 99.6/47

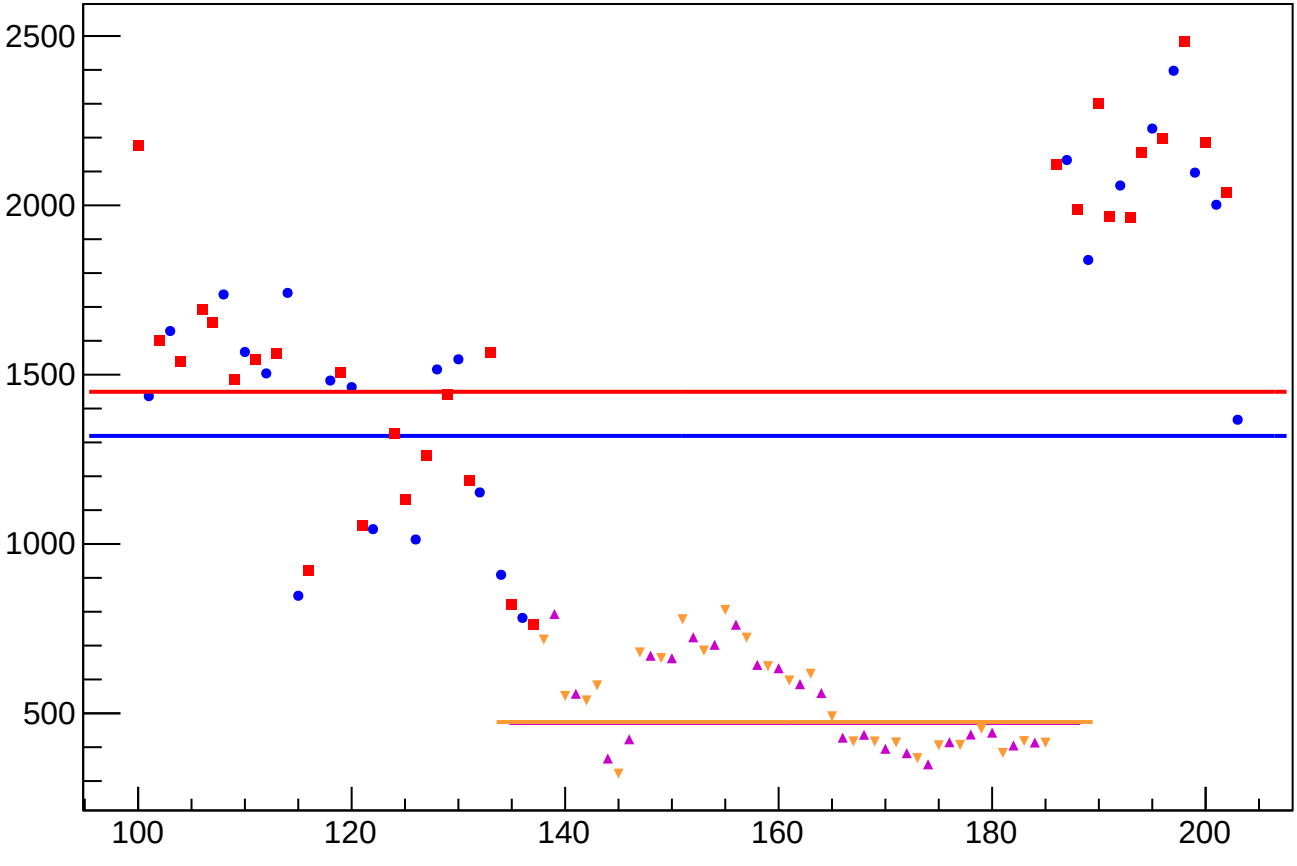
Right: -39.775+/-278.168 χ^2/NDF: 54.3/52

In: -17.547+/-109.533 χ^2/NDF:60.4/46

Out: -315.146+/-107.669 χ^2/NDF:89.9/53

All: -168.901+/-76.784 χ^2/NDF: 154.1/100

asym_sam_3726_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 1319.195+/-0.273 χ^2/NDF: 2872977.8/23

Left Out: 474.294+/-0.079 χ^2/NDF:2538999.2/24

Right Out: 1449.478+/-0.284 χ^2/NDF: 2871040.5/28

Left In: 471.456+/-0.081 χ^2/NDF:2209338.4/22

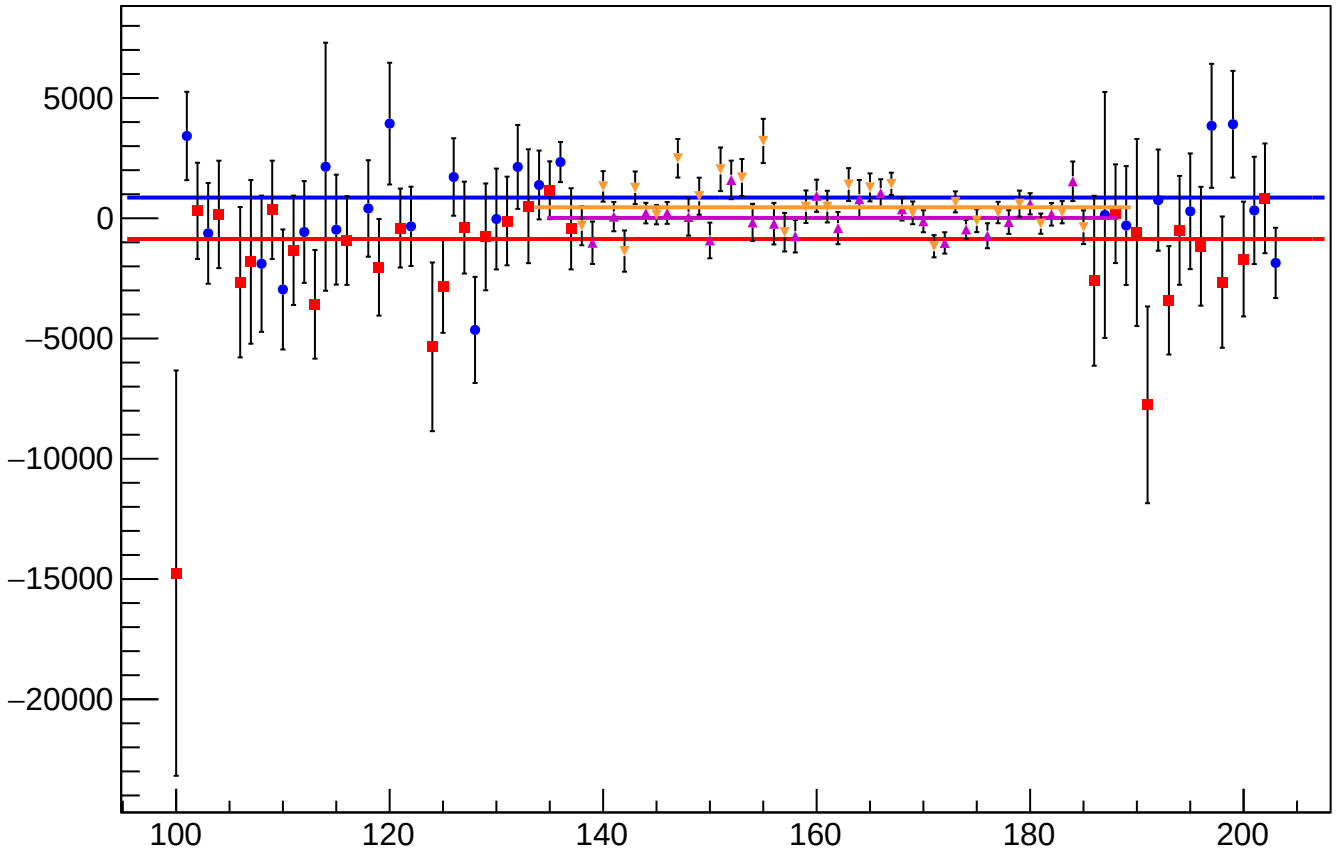
Left: 472.905+/-0.056 χ^2/NDF: 4748968.3/47

Right: 1381.891+/-0.197 χ^2/NDF: 5853544.5/52

In: 539.645+/-0.077 χ^2/NDF:13943648.7/46

Out: 544.601+/-0.076 χ^2/NDF:16385968.1/53

All: 542.165+/-0.054 χ^2/NDF: 30331699.0/10



Right In: 861.612+/-385.544 χ^2/NDF: 26.2/23

Left Out: 457.286+/-114.351 χ^2/NDF:59.4/24

Right Out: -860.526+/-407.063 χ^2/NDF: 17.8/28

Left In: 15.089+/-116.701 χ^2/NDF:30.3/22

Left: 240.684+/-81.677 χ^2/NDF: 97.0/47

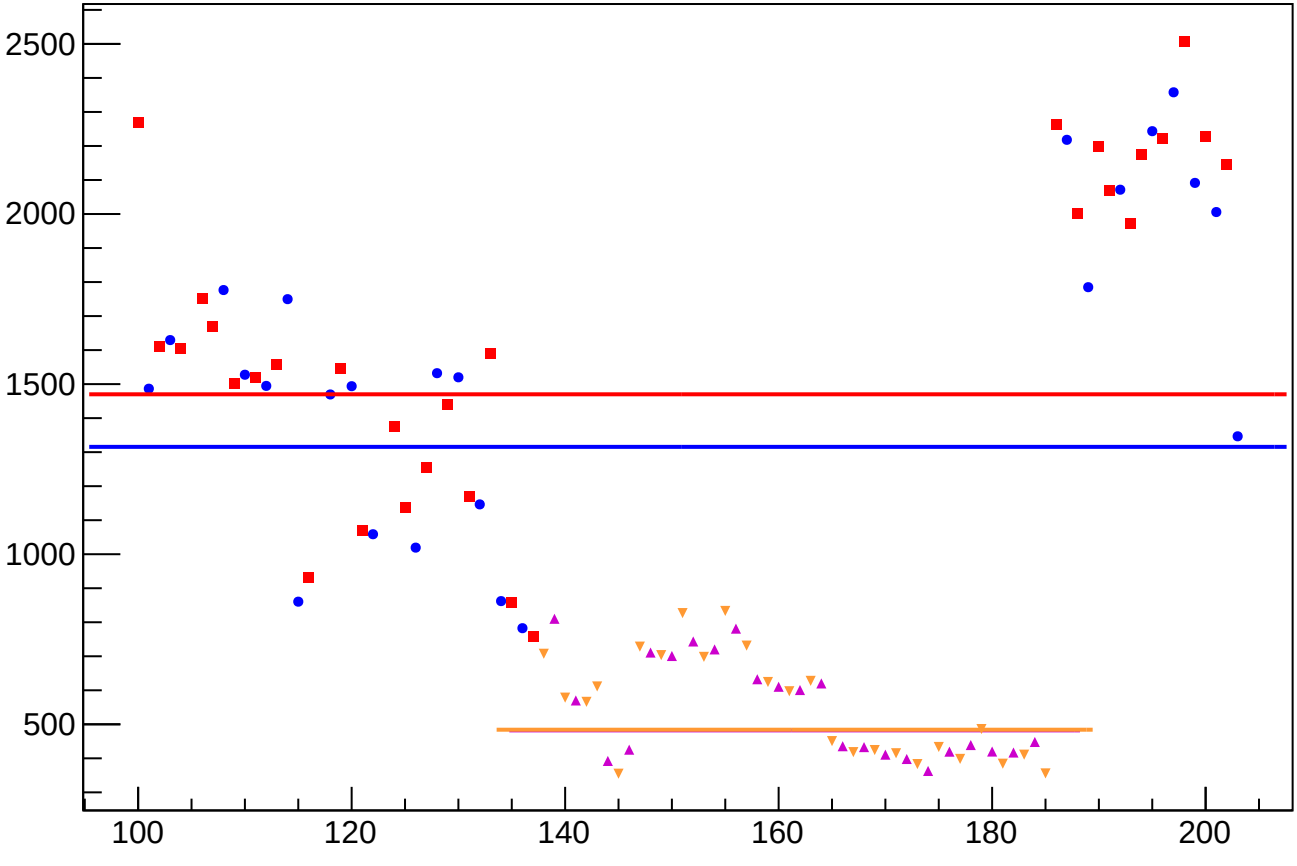
Right: 47.263+/-279.919 χ^2/NDF: 53.4/52

In: 86.140+/-111.696 χ^2/NDF:60.9/46

Out: 360.897+/-110.090 χ^2/NDF:86.9/53

All: 225.508+/-78.407 χ^2/NDF: 150.9/100

asym_sam_3726_avg_rms vs Slug, Sign Corrected



Right In: 1315.565+/-0.273 χ^2/NDF: 2902656.9/23

Left Out: 484.128+/-0.081 χ^2/NDF:2548479.4/24

Right Out: 1470.077+/-0.288 χ^2/NDF: 2864486.2/28

Left In: 482.160+/-0.083 χ^2/NDF:2186689.9/22

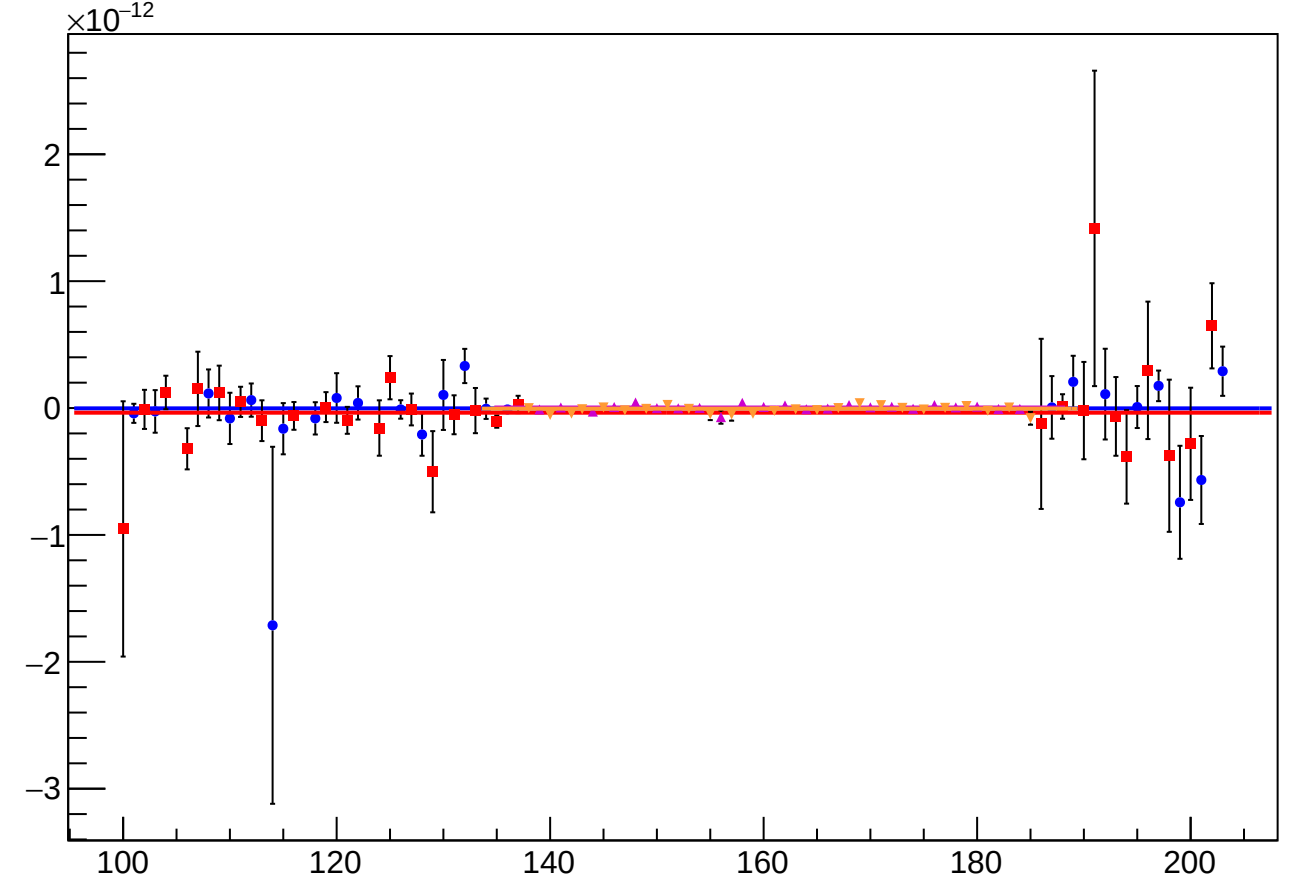
Left: 483.164+/-0.058 χ^2/NDF: 4735459.6/47

Right: 1388.629+/-0.198 χ^2/NDF: 5919041.1/52

In: 552.109+/-0.079 χ^2/NDF:13650301.5/46

Out: 556.243+/-0.078 χ^2/NDF:16287960.7/53

All: 554.206+/-0.055 χ^2/NDF: 29939652.0/10



Right In: -0.000+/-0.000 χ^2/NDF: 22.8/23

Left Out: -0.000+/-0.000 χ^2/NDF:31.0/24

Right Out: -0.000+/-0.000 χ^2/NDF: 23.3/28

Left In: 0.000+/-0.000 χ^2/NDF:15.0/22

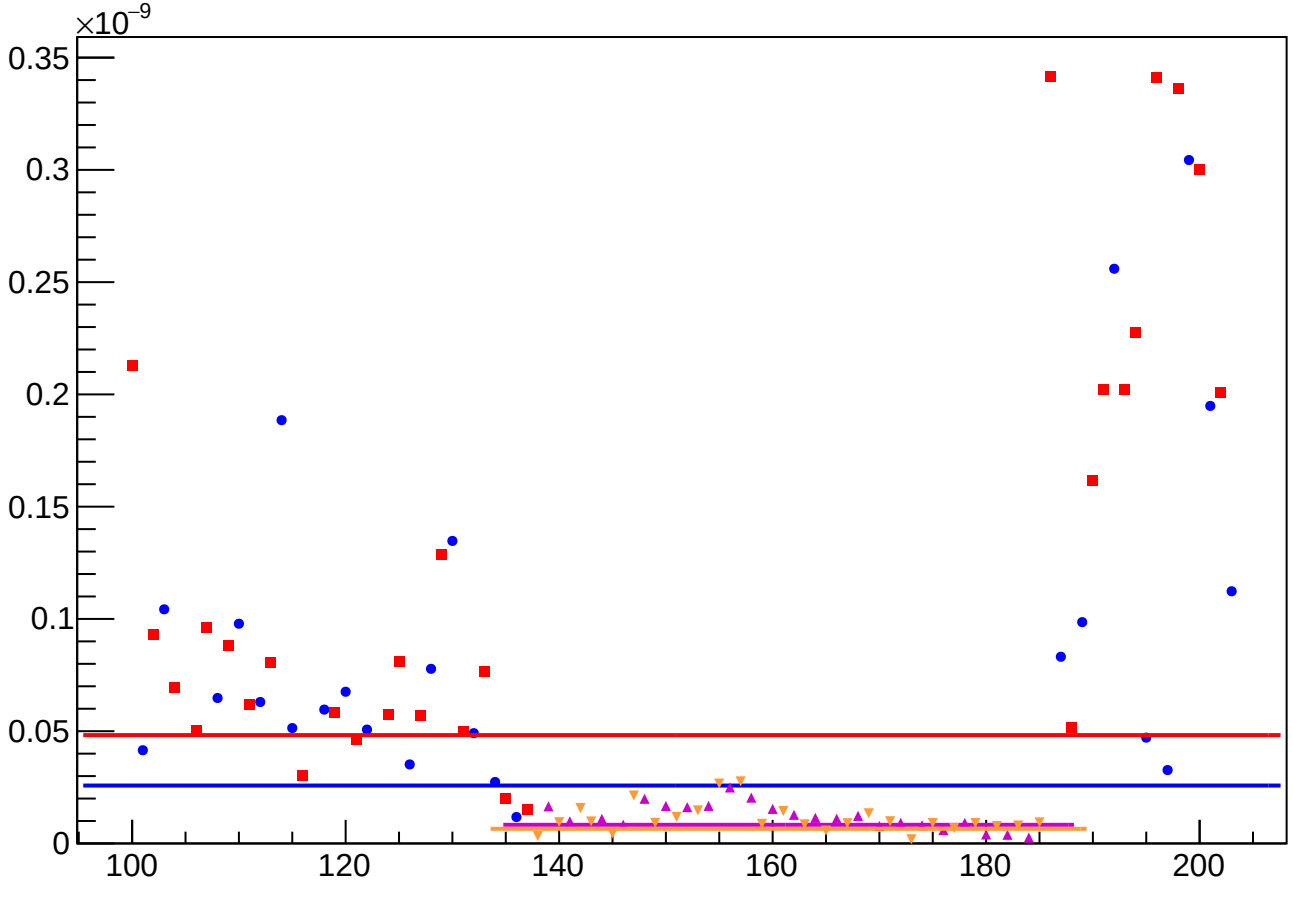
Left: -0.000+/-0.000 χ^2/NDF: 49.2/47

Right: -0.000+/-0.000 χ^2/NDF: 47.4/52

In: 0.000+/-0.000 χ^2/NDF:38.0/46

Out: -0.000+/-0.000 χ^2/NDF:55.8/53

All: -0.000+/-0.000 χ^2/NDF: 97.3/100



Right In: 0.000+/-0.000 χ^2/NDF: 5807428.3/23

Left Out: 0.000+/-0.000 χ^2/NDF:3737127.3/24

Right Out: 0.000+/-0.000 χ^2/NDF: 5641365.7/28

Left In: 0.000+/-0.000 χ^2/NDF:2799238.8/22

Left: 0.000+/-0.000 χ^2/NDF: 6795469.8/47

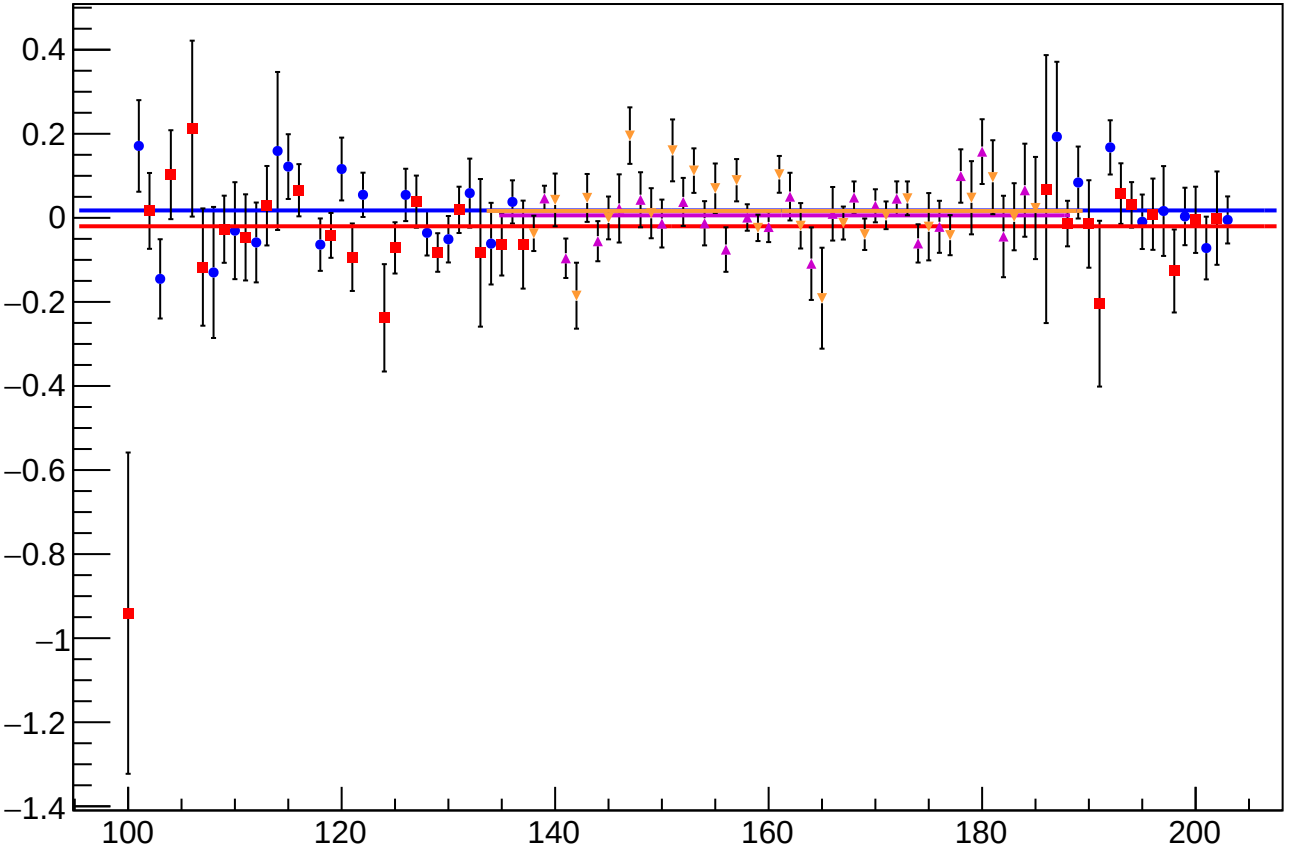
Right: 0.000+/-0.000 χ^2/NDF: 12519493.5/52

In: 0.000+/-0.000 χ^2/NDF:10655726.1/46

Out: 0.000+/-0.000 χ^2/NDF:14590328.2/53

All: 0.000+/-0.000 χ^2/NDF: 25581241.7/100

asym_sam_3726_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.018+/-0.015 χ^2/NDF: 25.7/23

Left Out: 0.016+/-0.010 χ^2/NDF:41.1/24

Right Out: -0.020+/-0.015 χ^2/NDF: 24.2/28

Left In: 0.006+/-0.010 χ^2/NDF:26.0/22

Left: 0.011+/-0.007 χ^2/NDF: 67.5/47

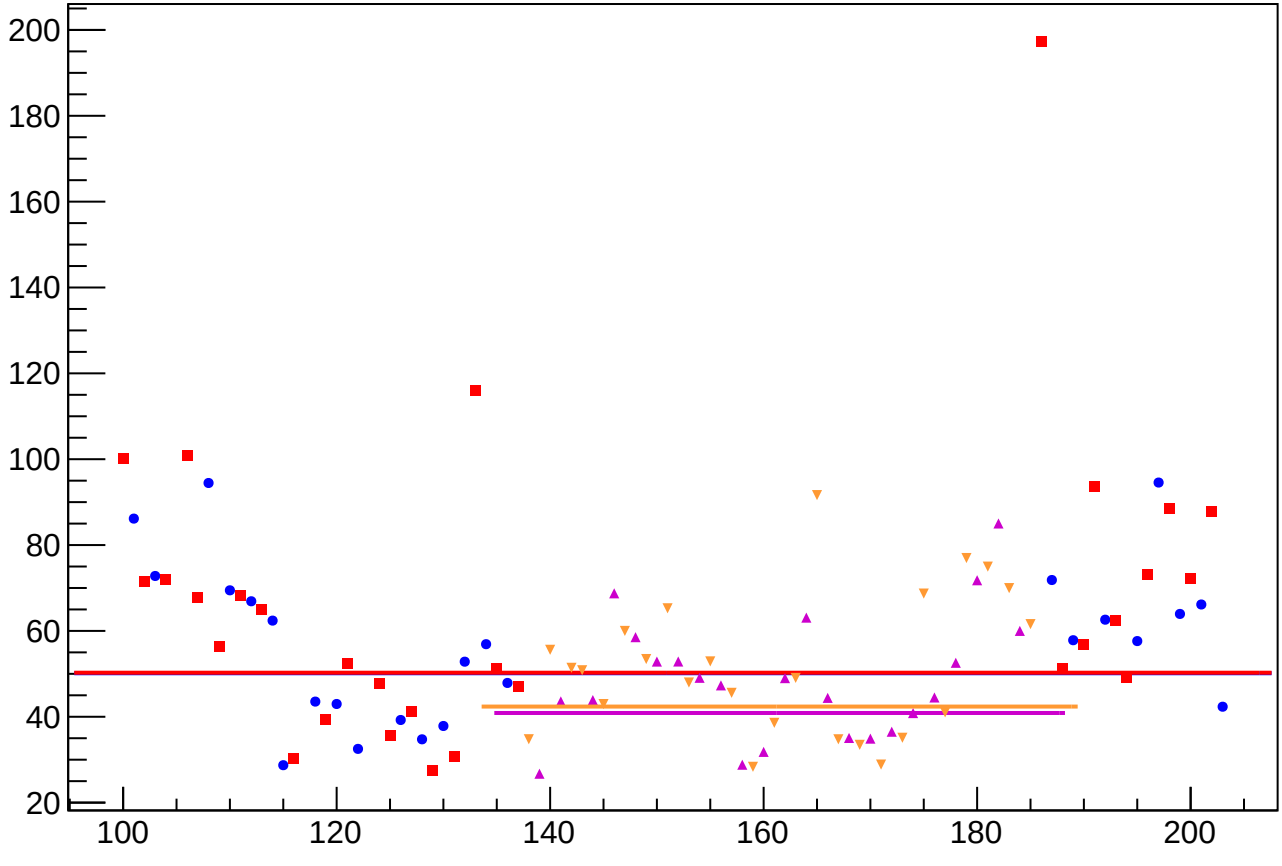
Right: -0.002+/-0.011 χ^2/NDF: 53.1/52

In: 0.010+/-0.008 χ^2/NDF:52.1/46

Out: 0.004+/-0.008 χ^2/NDF:69.3/53

All: 0.007+/-0.006 χ^2/NDF: 121.6/100

asym_sam_3726_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 50.137+/-0.011 χ^2/NDF: 2086275.4/23

Left Out: 42.375+/-0.007 χ^2/NDF:3190972.5/24

Right Out: 50.262+/-0.010 χ^2/NDF: 3395708.3/28

Left In: 40.881+/-0.007 χ^2/NDF:2678327.2/22

Left: 41.623+/-0.005 χ^2/NDF: 5890281.6/47

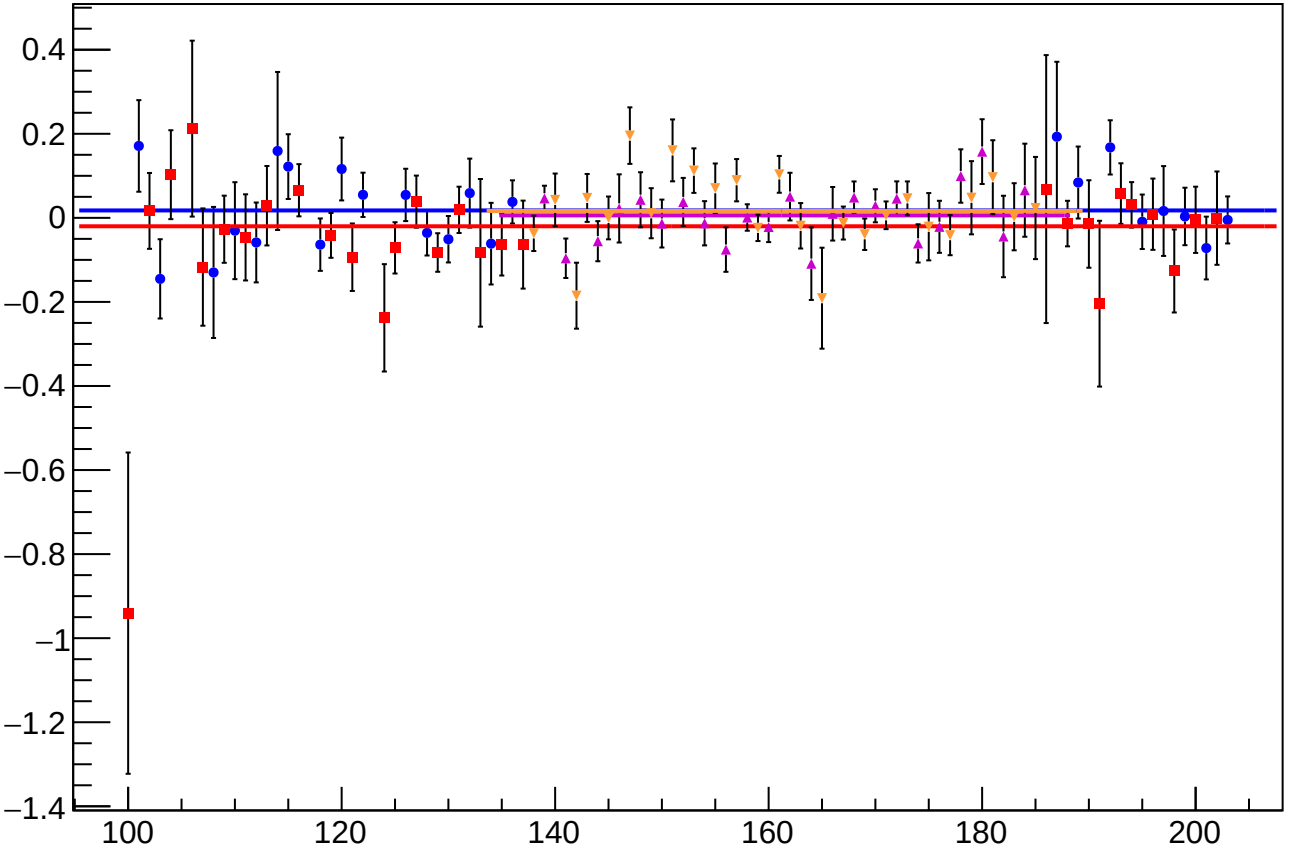
Right: 50.201+/-0.007 χ^2/NDF: 5482054.4/52

In: 43.831+/-0.006 χ^2/NDF:5281314.0/46

Out: 44.982+/-0.006 χ^2/NDF:6970852.5/53

All: 44.408+/-0.004 χ^2/NDF: 12270616.8/100

asym_sam_3726_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.018+/-0.015 χ^2/NDF: 25.7/23

Left Out: 0.016+/-0.010 χ^2/NDF:41.1/24

Right Out: -0.020+/-0.015 χ^2/NDF: 24.2/28

Left In: 0.006+/-0.010 χ^2/NDF:26.0/22

Left: 0.011+/-0.007 χ^2/NDF: 67.5/47

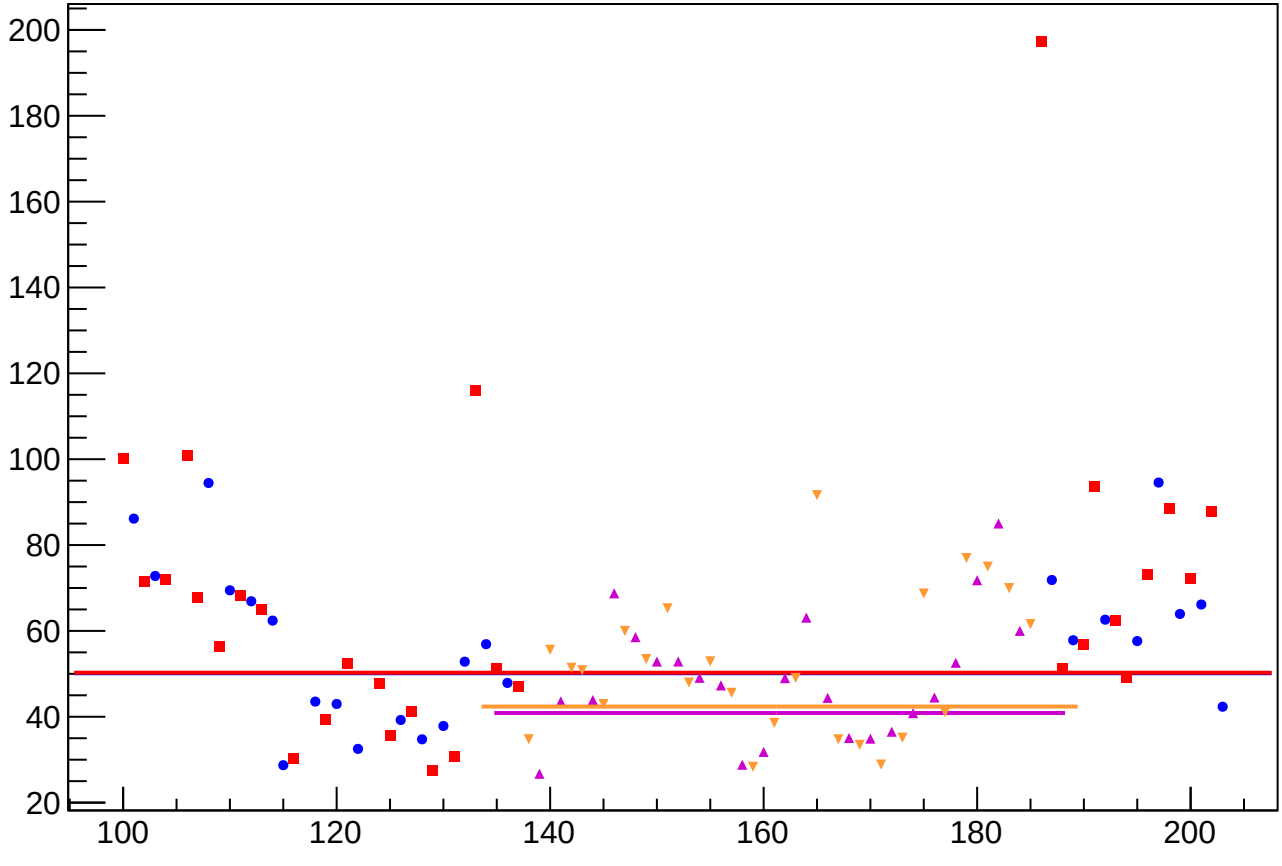
Right: -0.002+/-0.011 χ^2/NDF: 53.1/52

In: 0.010+/-0.008 χ^2/NDF:52.1/46

Out: 0.004+/-0.008 χ^2/NDF:69.3/53

All: 0.007+/-0.006 χ^2/NDF: 121.6/100

asym_sam_3726_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 50.137+/-0.011 χ^2/NDF: 2086275.4/23

Left Out: 42.375+/-0.007 χ^2/NDF:3190972.5/24

Right Out: 50.262+/-0.010 χ^2/NDF: 3395708.3/28

Left In: 40.881+/-0.007 χ^2/NDF:2678327.2/22

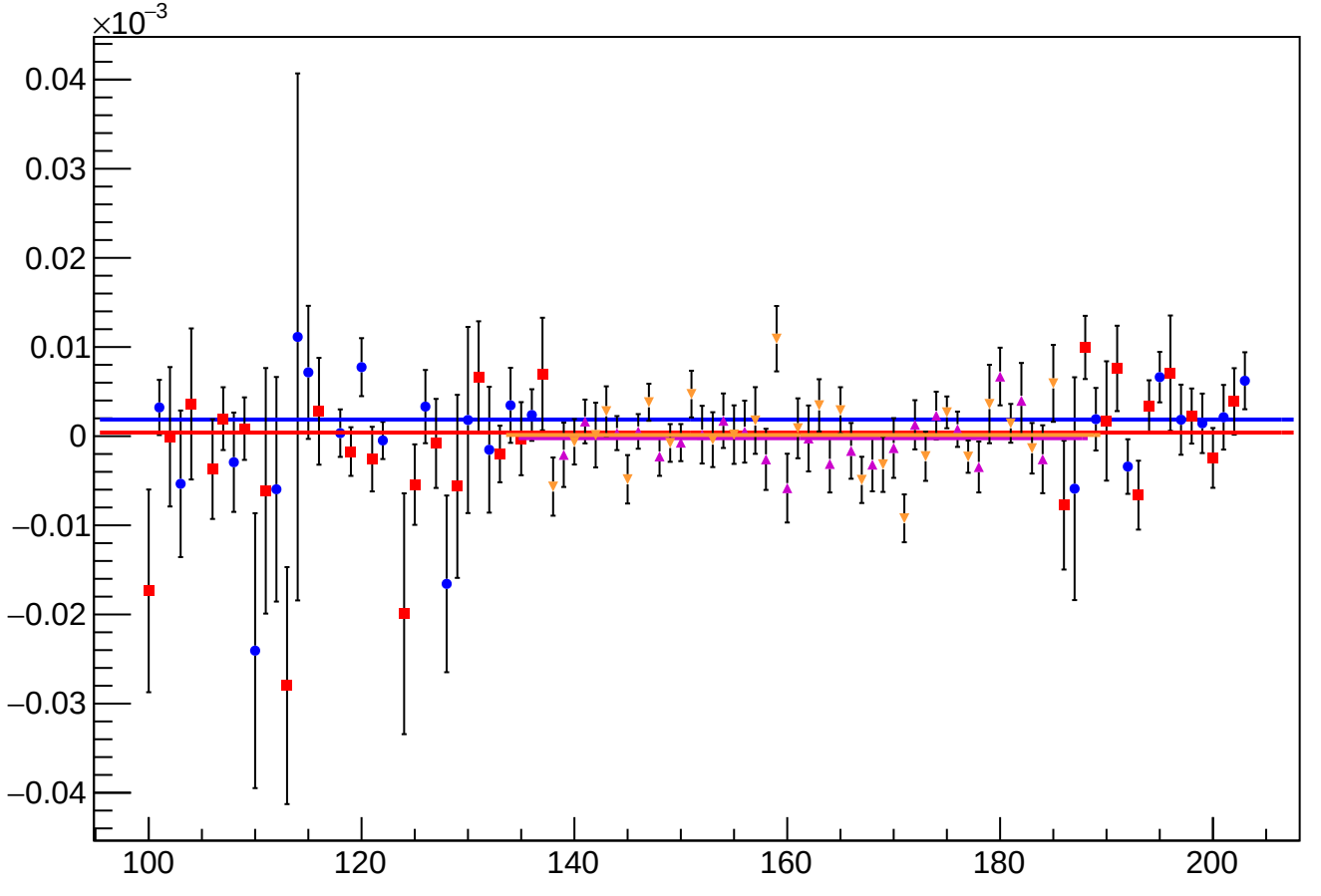
Left: 41.623+/-0.005 χ^2/NDF: 5890281.6/47

Right: 50.201+/-0.007 χ^2/NDF: 5482054.4/52

In: 43.831+/-0.006 χ^2/NDF:5281314.0/46

Out: 44.982+/-0.006 χ^2/NDF:6970852.5/53

All: 44.408+/-0.004 χ^2/NDF: 12270616.8/100



Right In: 0.000+/-0.000 χ^2/NDF: 22.4/23

Left Out: 0.000+/-0.000 χ^2/NDF:49.9/24

Right Out: 0.000+/-0.000 χ^2/NDF: 34.7/28

Left In: -0.000+/-0.000 χ^2/NDF:15.8/22

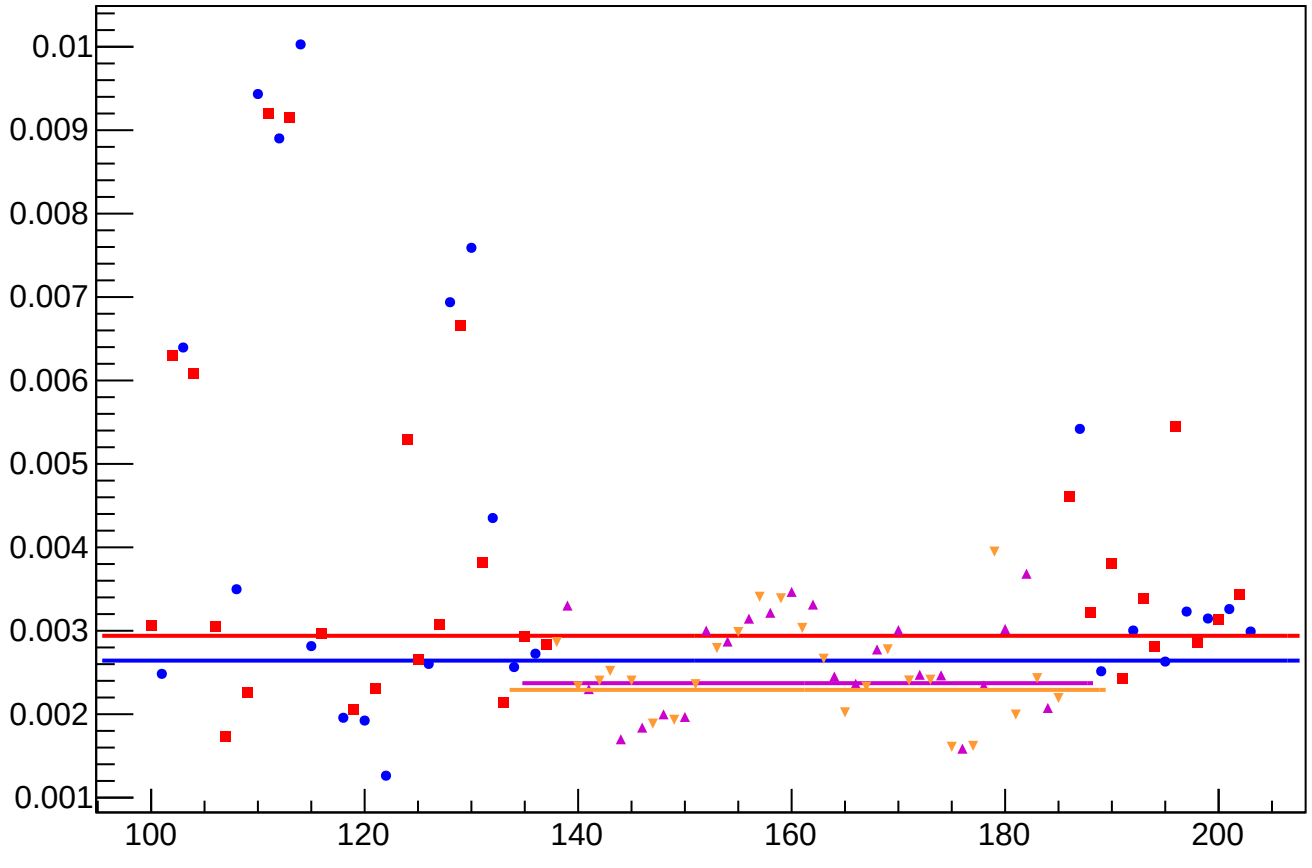
Left: -0.000+/-0.000 χ^2/NDF: 66.0/47

Right: 0.000+/-0.000 χ^2/NDF: 58.7/52

In: 0.000+/-0.000 χ^2/NDF:42.8/46

Out: 0.000+/-0.000 χ^2/NDF:84.7/53

All: 0.000+/-0.000 χ^2/NDF: 127.7/100



Right In: 0.003+/-0.000 χ^2/NDF: 3828463.3/23

Left Out: 0.002+/-0.000 χ^2/NDF:1818891.6/24

Right Out: 0.003+/-0.000 χ^2/NDF: 3127954.6/28

Left In: 0.002+/-0.000 χ^2/NDF:2020314.6/22

Left: 0.002+/-0.000 χ^2/NDF: 3859926.5/47

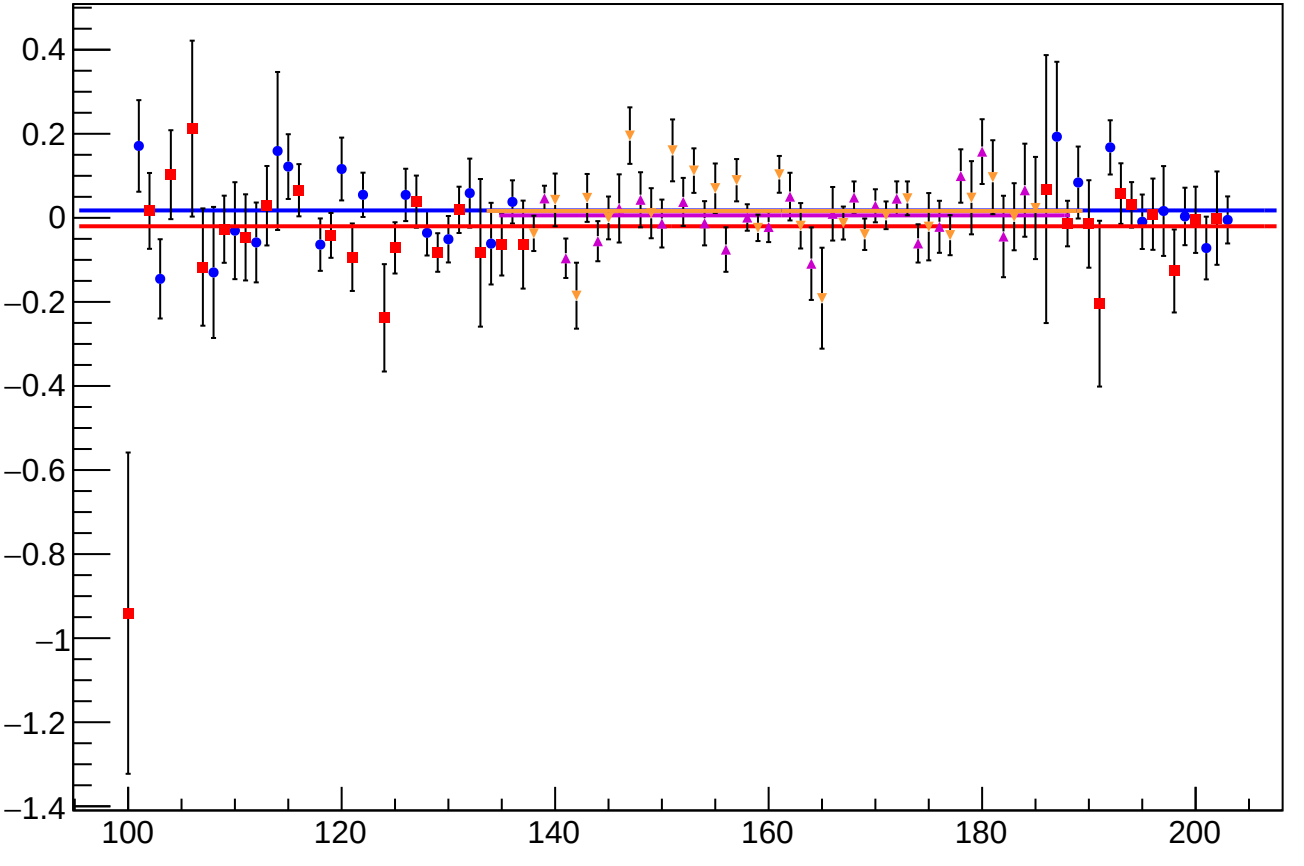
Right: 0.003+/-0.000 χ^2/NDF: 7088855.2/52

In: 0.002+/-0.000 χ^2/NDF:5999454.3/46

Out: 0.002+/-0.000 χ^2/NDF:5798441.4/53

All: 0.002+/-0.000 χ^2/NDF: 11799143.8/100

asym_sam_3726_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.018+/-0.015 χ^2/NDF: 25.7/23

Left Out: 0.016+/-0.010 χ^2/NDF:41.1/24

Right Out: -0.020+/-0.015 χ^2/NDF: 24.2/28

Left In: 0.006+/-0.010 χ^2/NDF:26.0/22

Left: 0.011+/-0.007 χ^2/NDF: 67.5/47

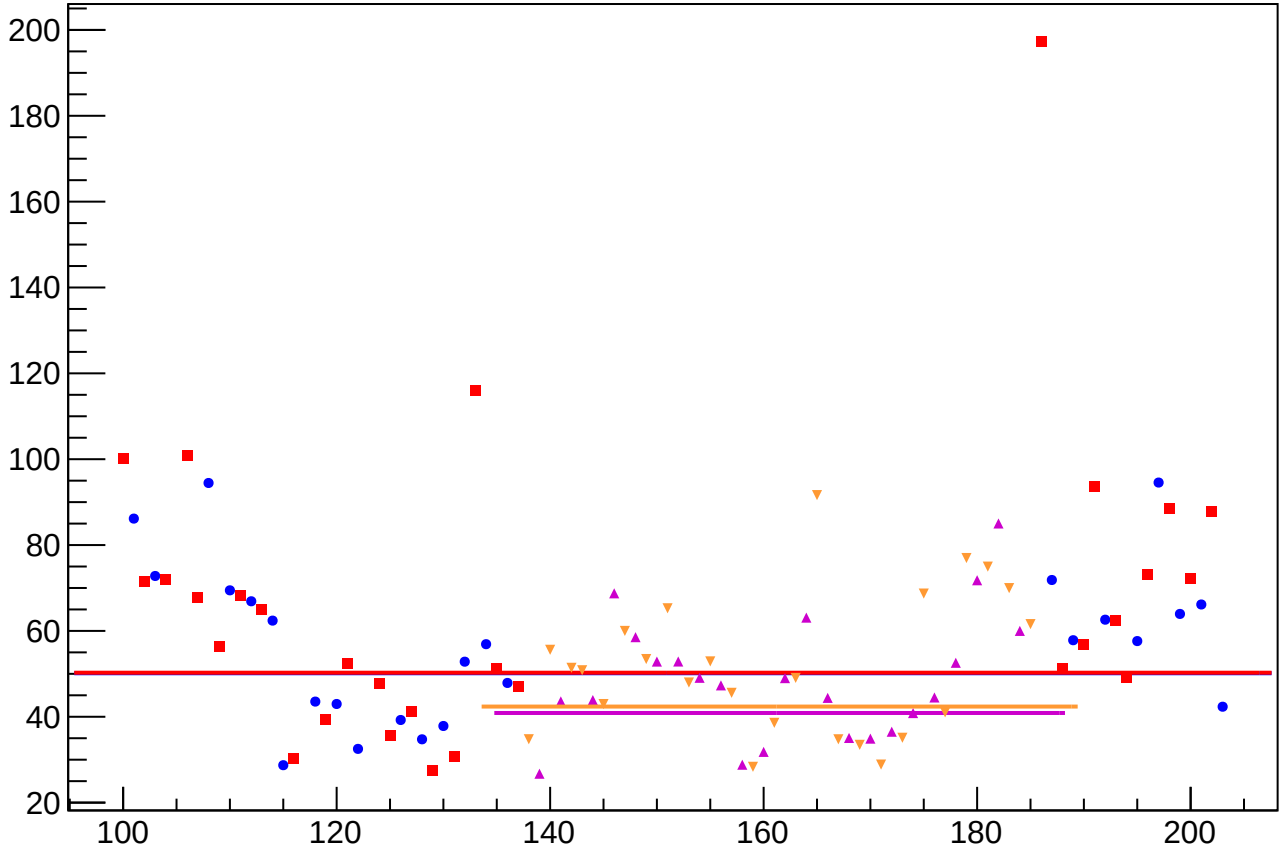
Right: -0.002+/-0.011 χ^2/NDF: 53.1/52

In: 0.010+/-0.008 χ^2/NDF:52.1/46

Out: 0.004+/-0.008 χ^2/NDF:69.3/53

All: 0.007+/-0.006 χ^2/NDF: 121.6/100

asym_sam_3726_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 50.137+/-0.011 χ^2/NDF: 2086228.2/23

Left Out: 42.375+/-0.007 χ^2/NDF:3190999.9/24

Right Out: 50.262+/-0.010 χ^2/NDF: 3395602.6/28

Left In: 40.881+/-0.007 χ^2/NDF:2678344.3/22

Left: 41.623+/-0.005 χ^2/NDF: 5890324.4/47

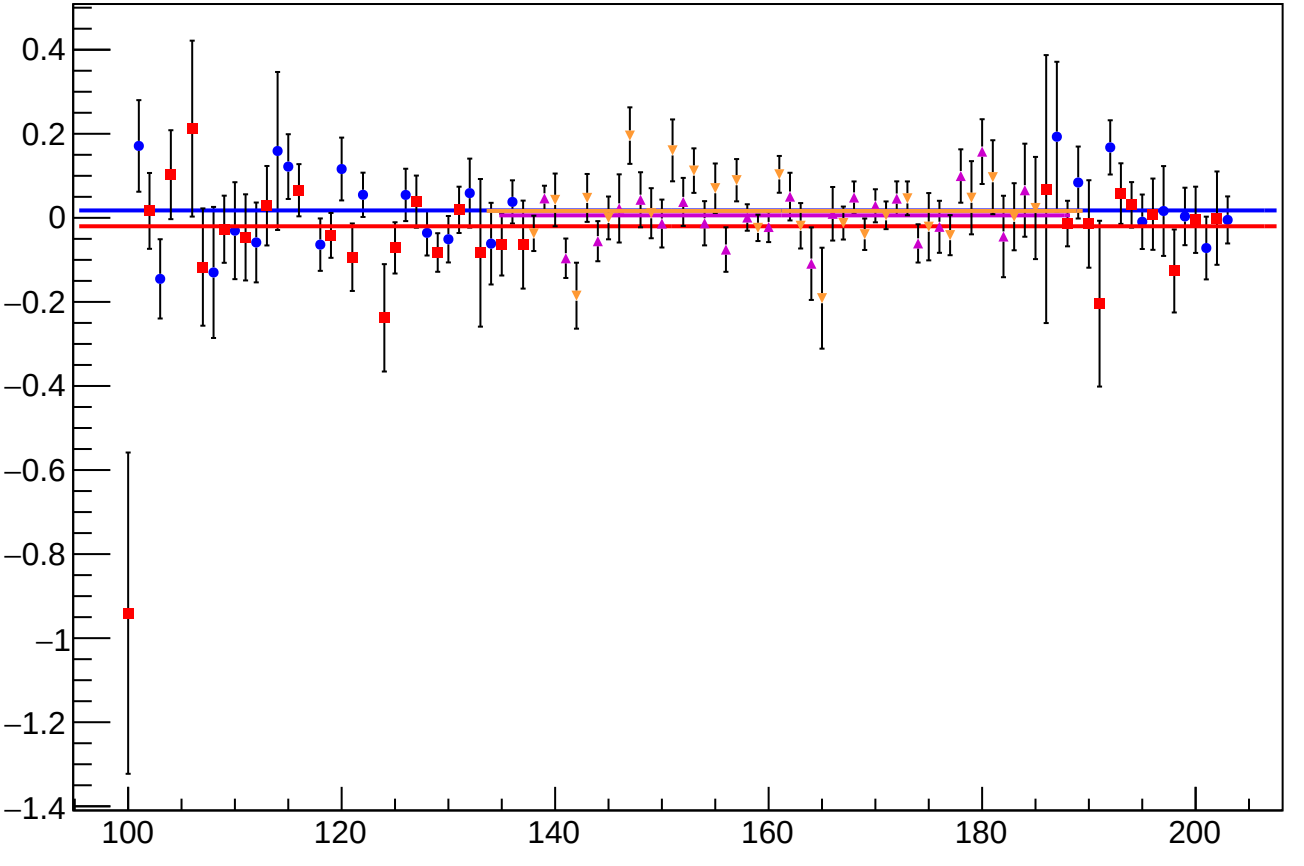
Right: 50.201+/-0.007 χ^2/NDF: 5481901.9/52

In: 43.832+/-0.006 χ^2/NDF:5281242.3/46

Out: 44.983+/-0.006 χ^2/NDF:6970769.7/53

All: 44.409+/-0.004 χ^2/NDF: 12270463.1/100

asym_sam_3726_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.018+/-0.015 χ^2/NDF: 25.7/23

Left Out: 0.016+/-0.010 χ^2/NDF:41.1/24

Right Out: -0.020+/-0.015 χ^2/NDF: 24.2/28

Left In: 0.006+/-0.010 χ^2/NDF:26.0/22

Left: 0.011+/-0.007 χ^2/NDF: 67.5/47

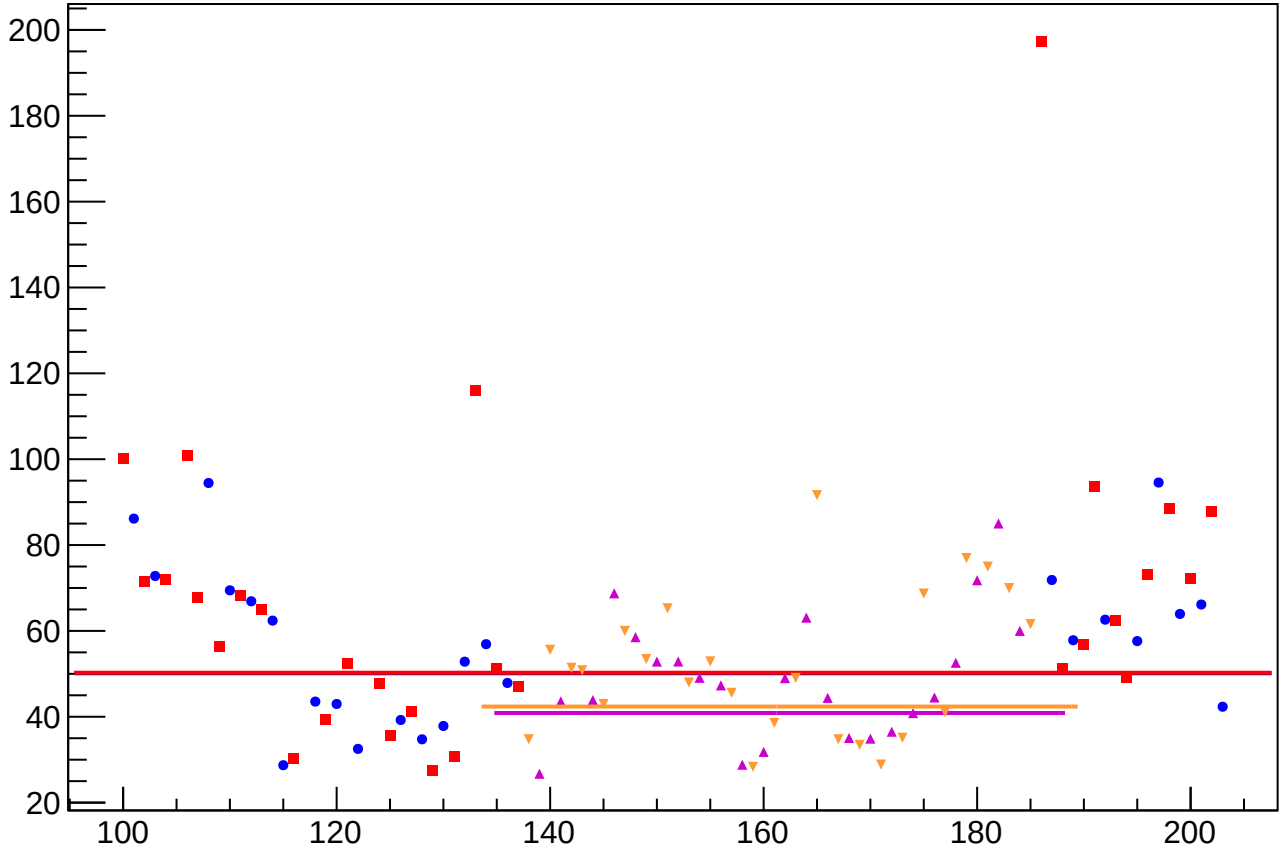
Right: -0.002+/-0.011 χ^2/NDF: 53.1/52

In: 0.010+/-0.008 χ^2/NDF:52.1/46

Out: 0.004+/-0.008 χ^2/NDF:69.3/53

All: 0.007+/-0.006 χ^2/NDF: 121.6/100

asym_sam_3726_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 50.137+/-0.011 χ^2/NDF: 2086228.2/23

Left Out: 42.375+/-0.007 χ^2/NDF:3190999.9/24

Right Out: 50.262+/-0.010 χ^2/NDF: 3395602.6/28

Left In: 40.881+/-0.007 χ^2/NDF:2678344.3/22

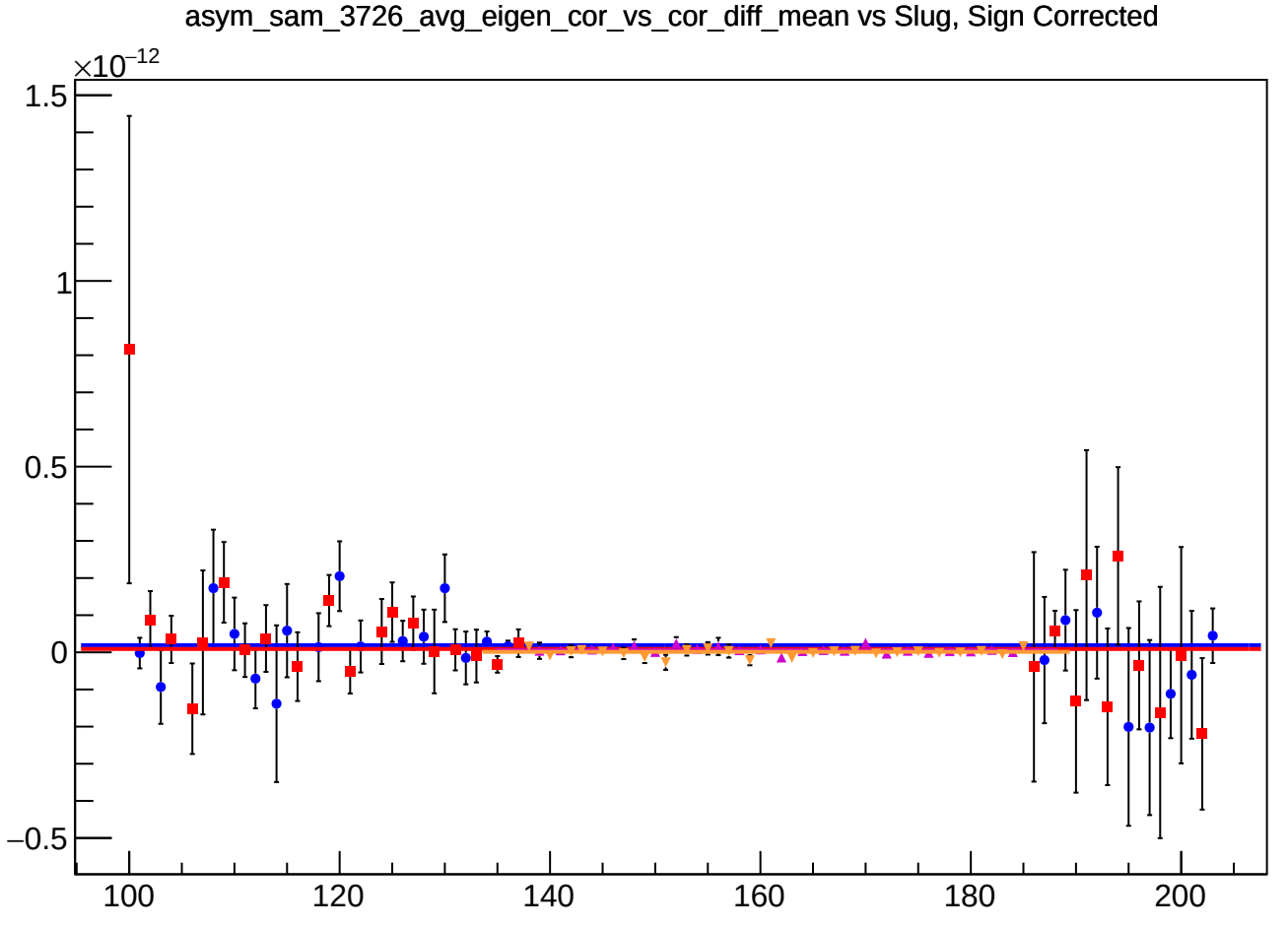
Left: 41.623+/-0.005 χ^2/NDF: 5890324.4/47

Right: 50.201+/-0.007 χ^2/NDF: 5481901.9/52

In: 43.832+/-0.006 χ^2/NDF:5281242.3/46

Out: 44.983+/-0.006 χ^2/NDF:6970769.7/53

All: 44.409+/-0.004 χ^2/NDF: 12270463.1/100



Right In: 0.000+/-0.000 χ^2/NDF: 15.5/23

Left Out: 0.000+/-0.000 χ^2/NDF:19.7/24

Right Out: 0.000+/-0.000 χ^2/NDF: 23.5/28

Left In: 0.000+/-0.000 χ^2/NDF:13.2/22

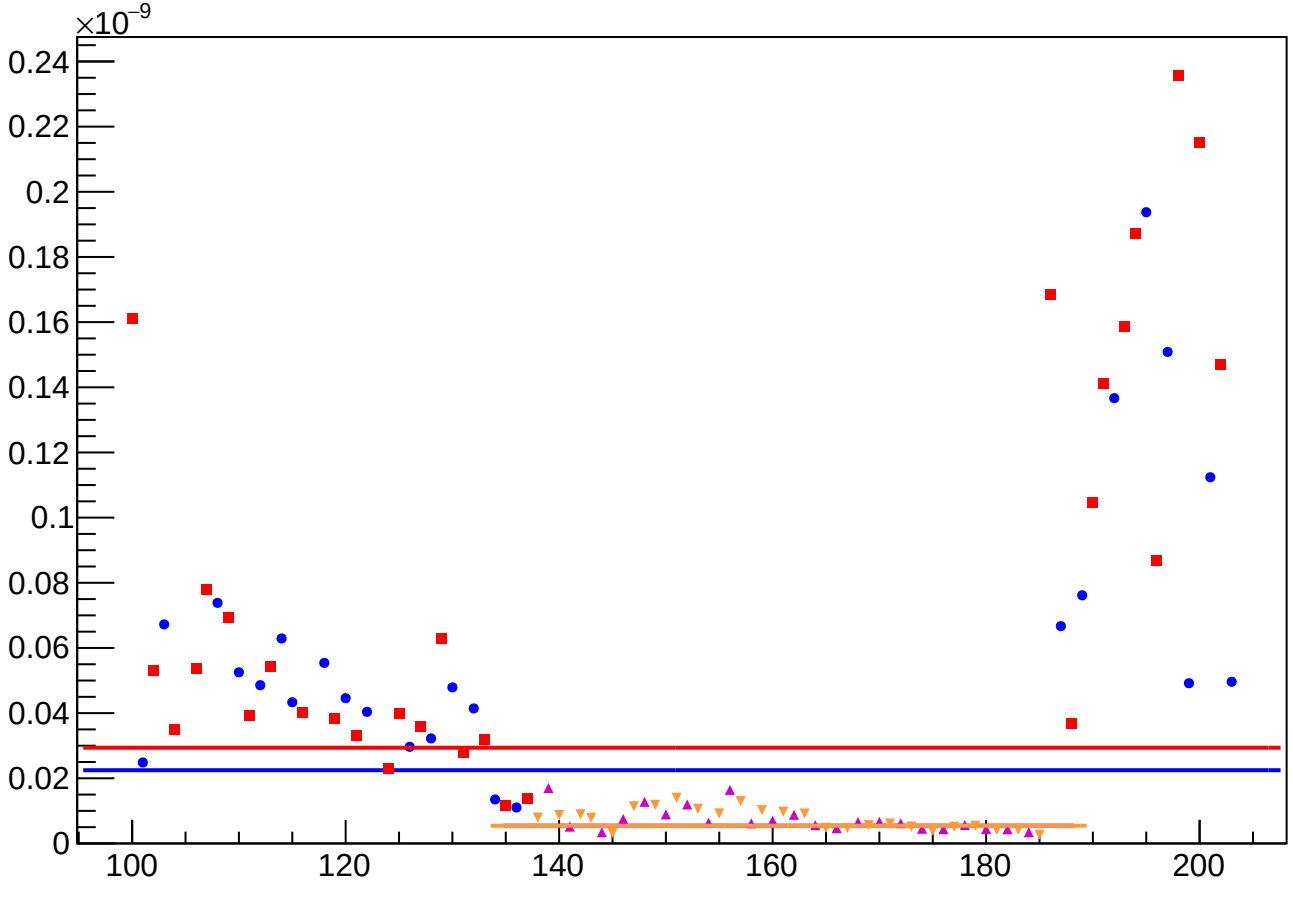
Left: 0.000+/-0.000 χ^2/NDF: 35.1/47

Right: 0.000+/-0.000 χ^2/NDF: 39.3/52

In: 0.000+/-0.000 χ^2/NDF:30.3/46

Out: 0.000+/-0.000 χ^2/NDF:43.4/53

All: 0.000+/-0.000 χ^2/NDF: 76.3/100



Right In: 0.000+/-0.000 χ^2/NDF: 6984948.3/23

Left Out: 0.000+/-0.000 χ^2/NDF:3789045.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 7782544.6/28

Left In: 0.000+/-0.000 χ^2/NDF:2801443.3/22

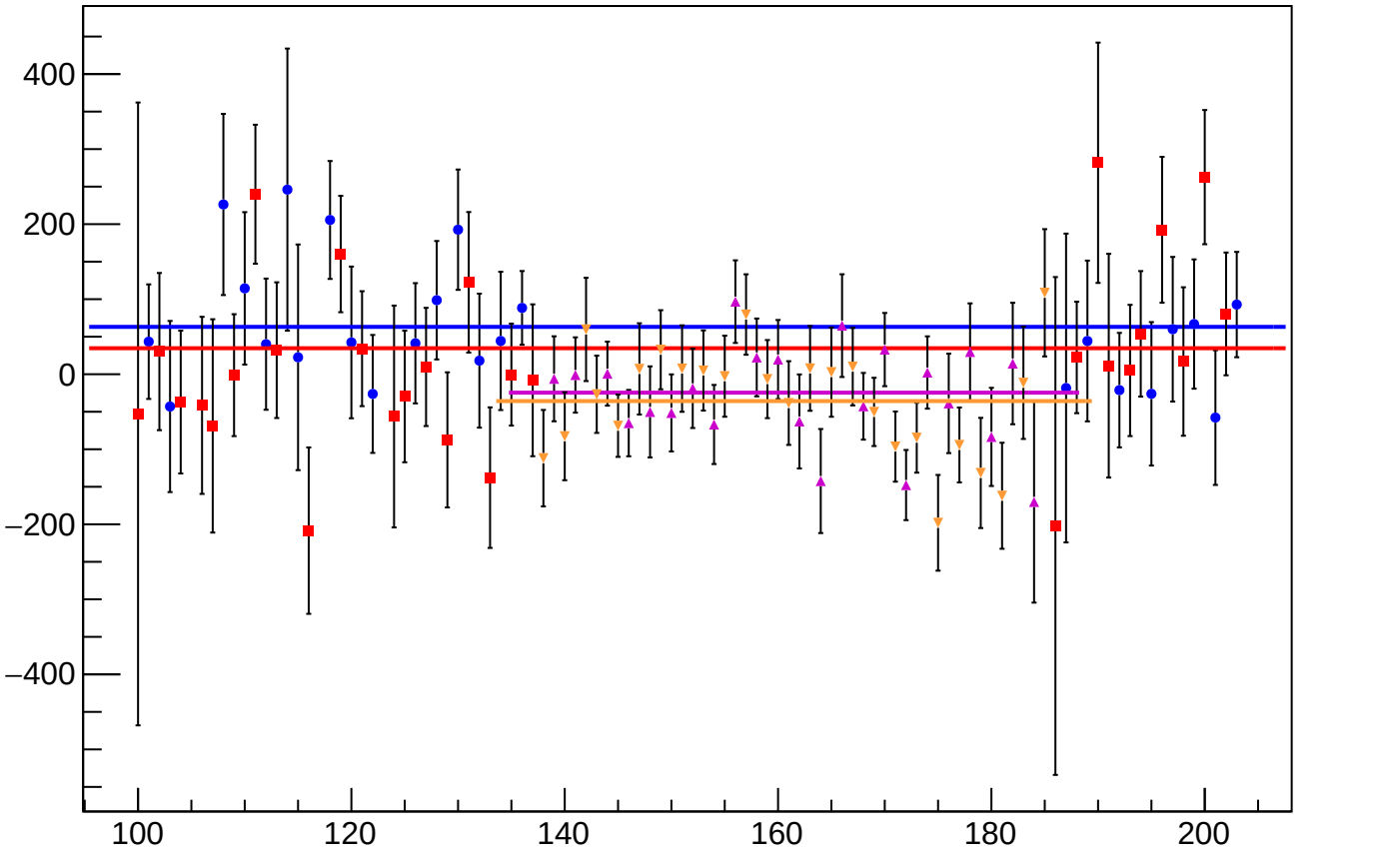
Left: 0.000+/-0.000 χ^2/NDF: 6590870.1/47

Right: 0.000+/-0.000 χ^2/NDF: 15095440.4/52

In: 0.000+/-0.000 χ^2/NDF:14537692.2/46

Out: 0.000+/-0.000 χ^2/NDF:18113802.6/53

All: 0.000+/-0.000 χ^2/NDF: 32653167.0/100



Right In: 63.104+/-17.874 χ^2/NDF: 16.4/23

Left Out: -35.787+/-11.119 χ^2/NDF:33.7/24

Right Out: 34.648+/-17.760 χ^2/NDF: 34.3/28

Left In: -24.572+/-11.471 χ^2/NDF:25.7/22

Left: -30.354+/-7.984 χ^2/NDF: 59.9/47

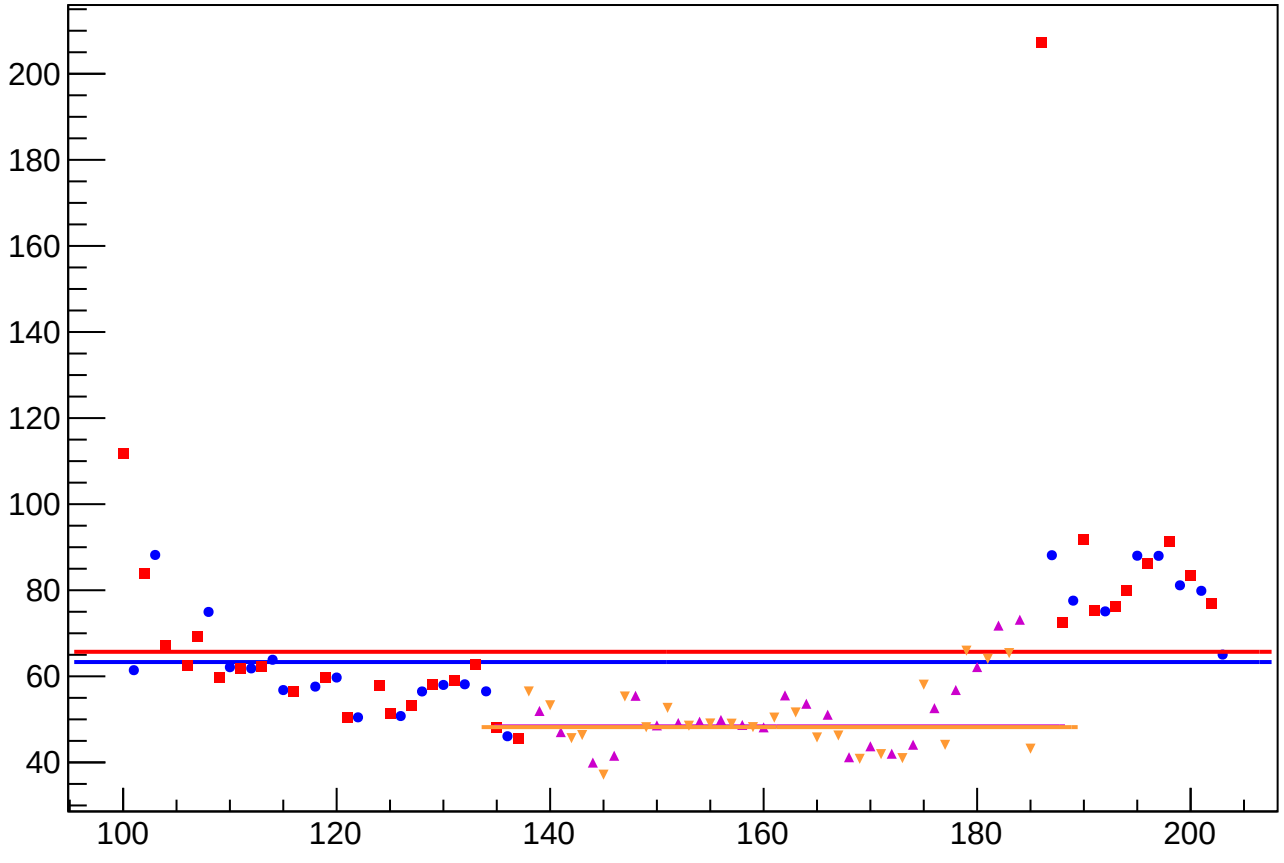
Right: 48.785+/-12.599 χ^2/NDF: 52.0/52

In: 1.004+/-9.654 χ^2/NDF:59.2/46

Out: -15.952+/-9.425 χ^2/NDF:79.3/53

All: -7.678+/-6.744 χ^2/NDF: 140.1/100

reg_asym_sam_15_48_dd_rms vs Slug, Sign Corrected



Right In: 63.320+/-0.013 χ^2/NDF: 1054622.8/23

Left Out: 48.198+/-0.008 χ^2/NDF:780285.2/24

Right Out: 65.699+/-0.013 χ^2/NDF: 1425897.5/28

Left In: 48.381+/-0.008 χ^2/NDF:695381.8/22

Left: 48.287+/-0.006 χ^2/NDF: 1475927.4/47

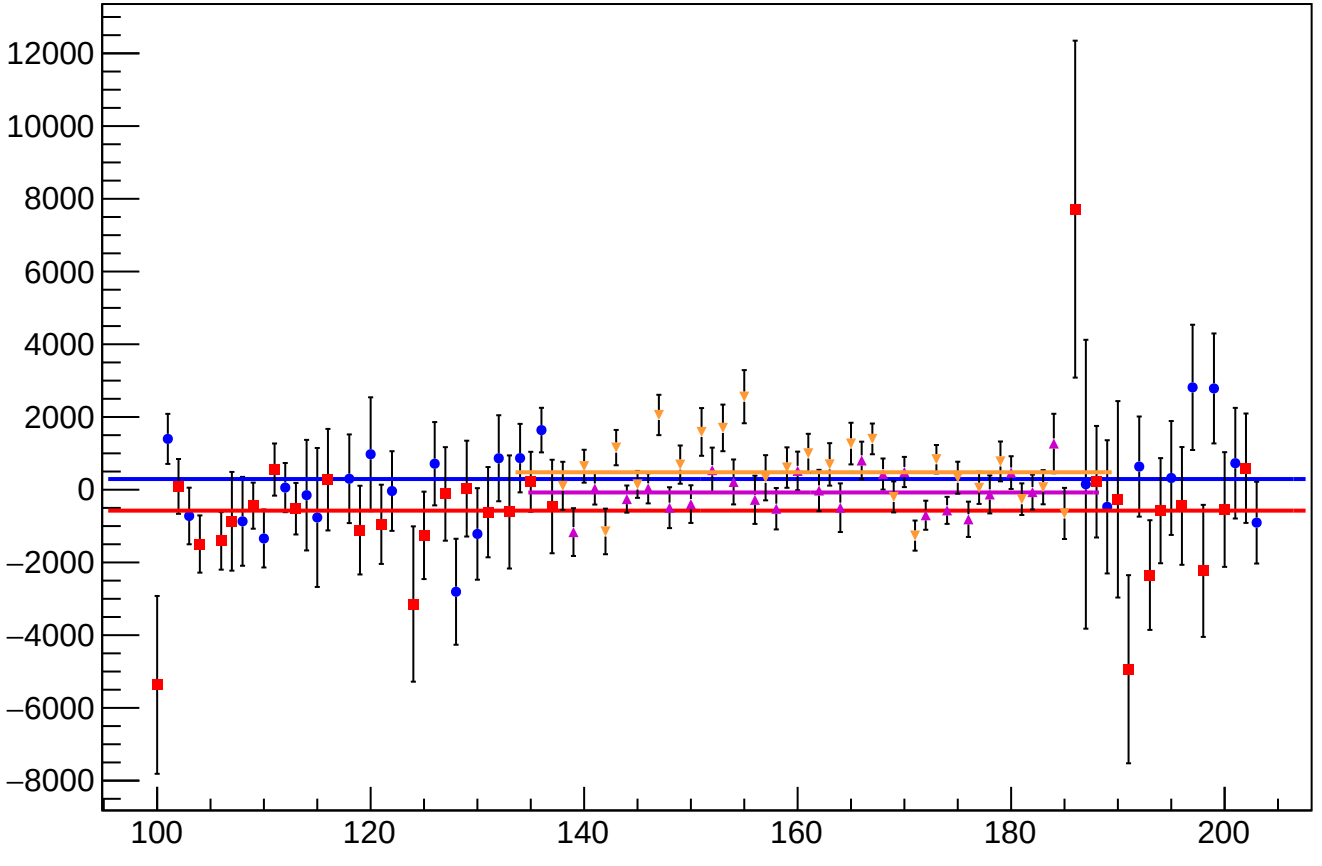
Right: 64.517+/-0.009 χ^2/NDF: 2498354.6/52

In: 52.739+/-0.007 χ^2/NDF:2739544.8/46

Out: 53.127+/-0.007 χ^2/NDF:3601329.8/53

All: 52.937+/-0.005 χ^2/NDF: 6342529.2/100

asym_sam_15_48_dd_reg_correction_mean vs Slug, Sign Corrected



Right In: 293.613+/-220.979 χ^2/NDF: 28.0/23

Left Out: 480.215+/-100.526 χ^2/NDF:69.2/24

Right Out: -575.233+/-210.490 χ^2/NDF: 22.5/28

Left In: -75.662+/-103.128 χ^2/NDF:24.5/22

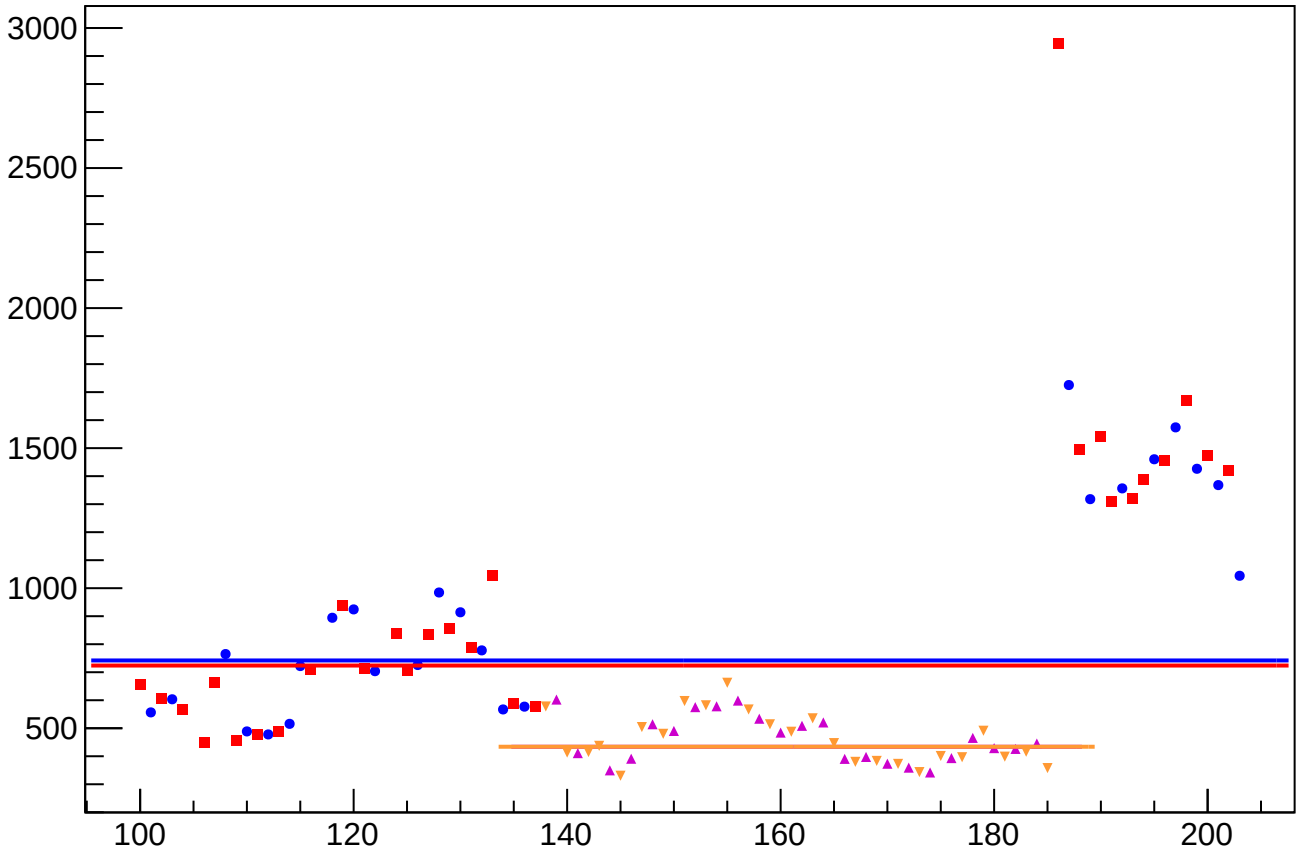
Left: 209.379+/-71.985 χ^2/NDF: 108.6/47

Right: -161.919+/-152.412 χ^2/NDF: 58.7/52

In: -9.619+/-93.452 χ^2/NDF:54.8/46

Out: 284.195+/-90.712 χ^2/NDF:112.2/53

All: 141.660+/-65.090 χ^2/NDF: 172.1/100



Right In: 741.988+/-0.156 χ^2/NDF: 3629628.7/23

Left Out: 433.945+/-0.071 χ^2/NDF:1243704.6/24

Right Out: 723.850+/-0.149 χ^2/NDF: 5282991.2/28

Left In: 433.722+/-0.073 χ^2/NDF:1094788.8/22

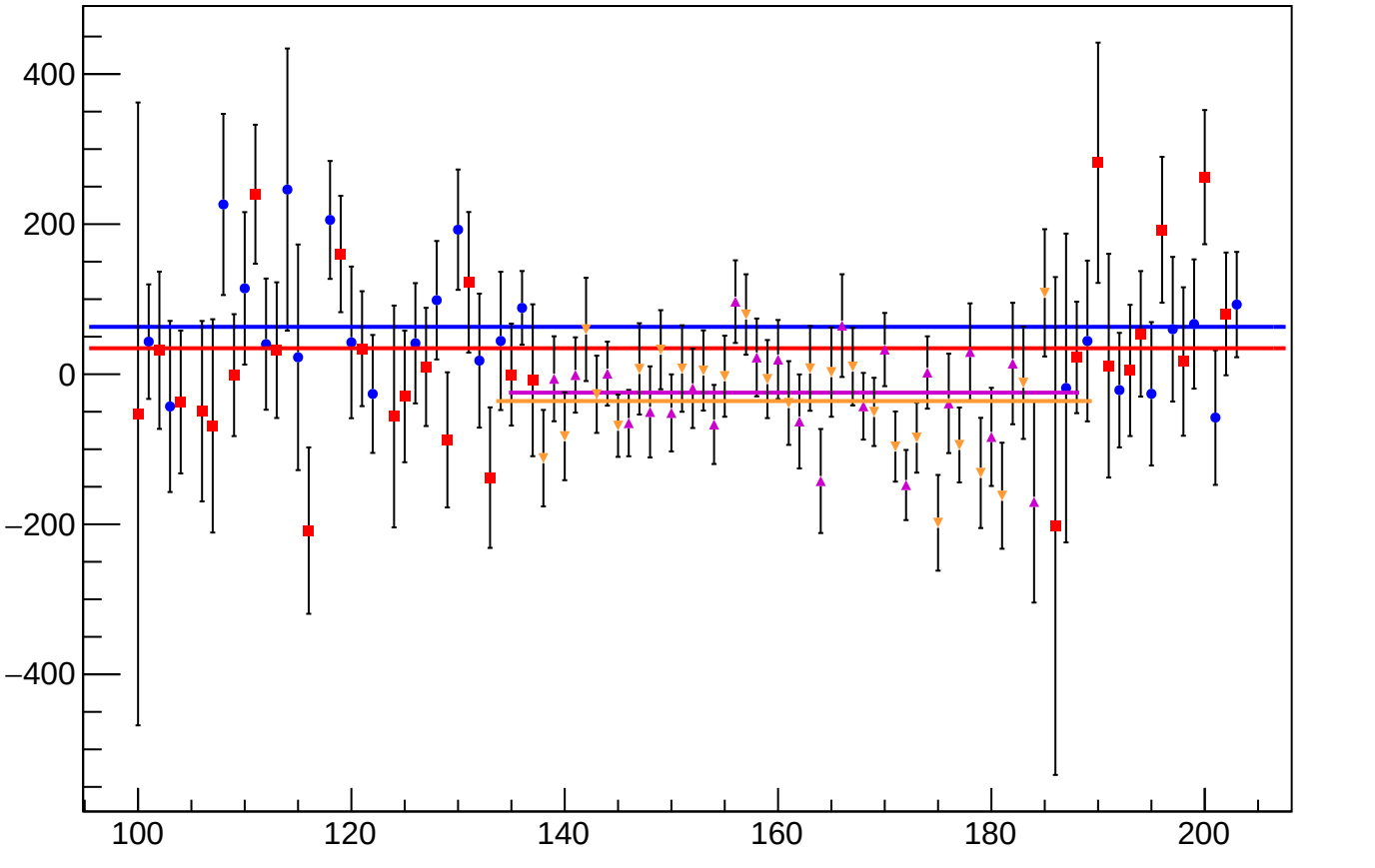
Left: 433.836+/-0.051 χ^2/NDF: 2338498.1/47

Right: 732.478+/-0.108 χ^2/NDF: 8919684.7/52

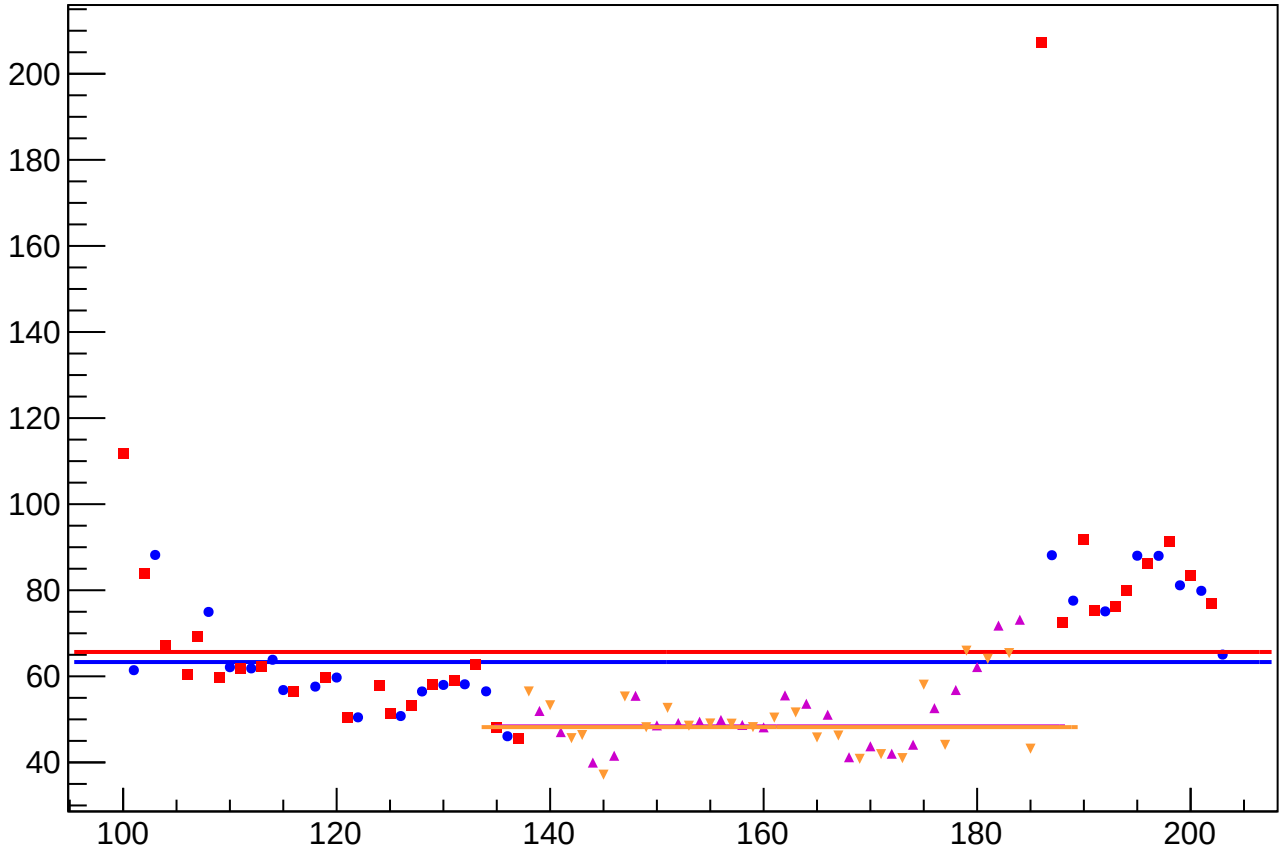
In: 488.854+/-0.066 χ^2/NDF:7920415.4/46

Out: 487.787+/-0.064 χ^2/NDF:9615934.1/53

All: 488.305+/-0.046 χ^2/NDF: 17536483.8/10


cor_asym_sam_15_48_dd_mean vs Slug, Sign Corrected
400
200
0
−200
−400
100
120
140
160
180
200
Right In: 63.107+/-17.874 χ²/NDF: 16.5/23
Left Out: -35.792+/-11.119 χ²/NDF:33.7/24
Right Out: 34.592+/-17.768 χ²/NDF: 34.3/28
Left In: -24.573+/-11.471 χ²/NDF:25.7/22
Left: -30.357+/-7.984 χ²/NDF: 59.9/47
Right: 48.764+/-12.601 χ²/NDF: 52.1/52
In: 1.004+/-9.654 χ²/NDF:59.2/46
Out: -15.984+/-9.426 χ²/NDF:79.3/53
All: -7.693+/-6.744 χ²/NDF: 140.1/100

cor_asym_sam_15_48_dd_rms vs Slug, Sign Corrected



Right In: 63.320+/-0.013 χ^2/NDF: 1054626.1/23

Left Out: 48.198+/-0.008 χ^2/NDF:780285.2/24

Right Out: 65.658+/-0.013 χ^2/NDF: 1428426.8/28

Left In: 48.381+/-0.008 χ^2/NDF:695381.8/22

Left: 48.287+/-0.006 χ^2/NDF: 1475927.4/47

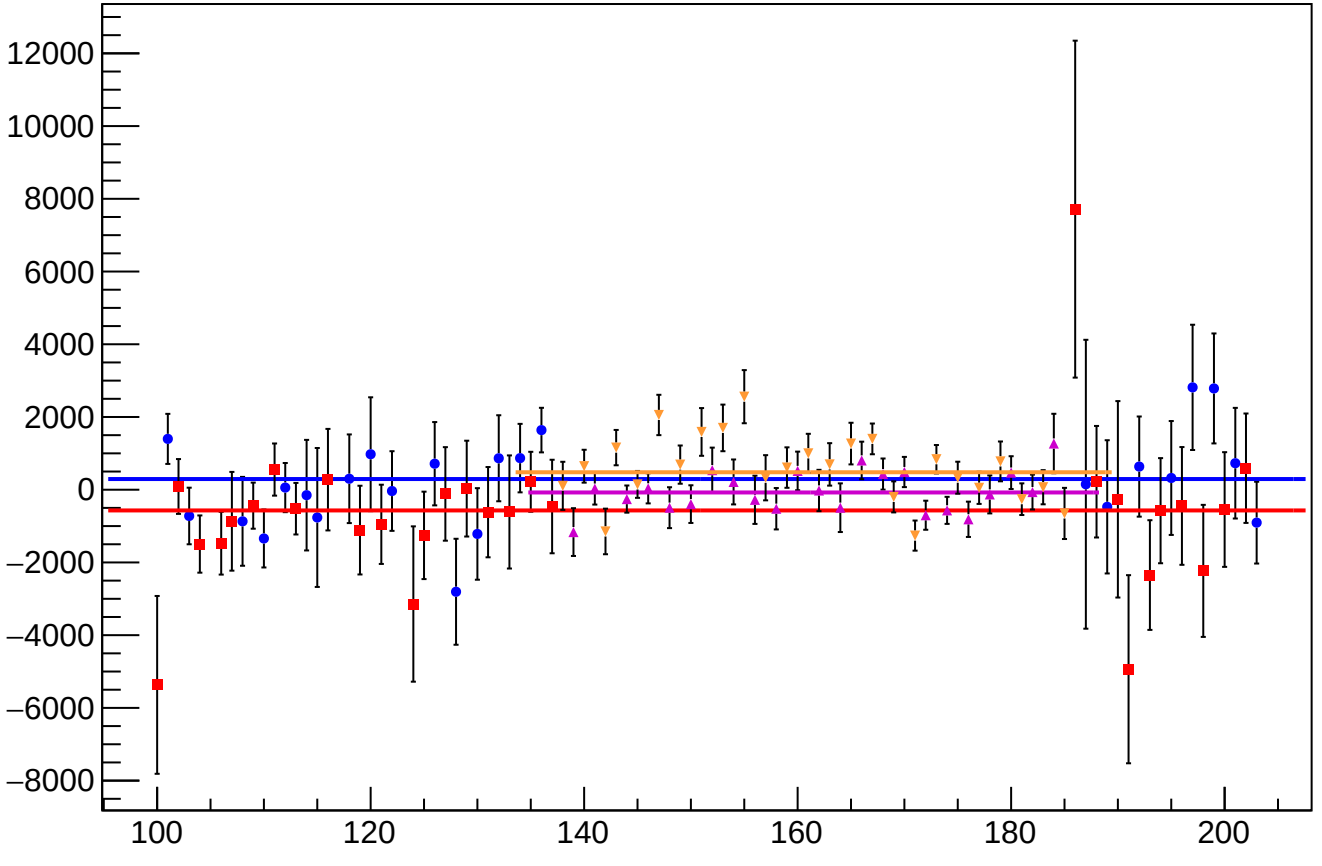
Right: 64.496+/-0.009 χ^2/NDF: 2500265.7/52

In: 52.739+/-0.007 χ^2/NDF:2739548.8/46

Out: 53.112+/-0.007 χ^2/NDF:3596430.8/53

All: 52.930+/-0.005 χ^2/NDF: 6337511.6/100

asym_sam_15_48_dd_cor_correction_mean vs Slug, Sign Corrected



Right In: 293.644+/-220.980 χ^2/NDF: 28.0/23

Left Out: 480.210+/-100.526 χ^2/NDF:69.2/24

Right Out: -569.884+/-211.689 χ^2/NDF: 22.5/28

Left In: -75.665+/-103.128 χ^2/NDF:24.5/22

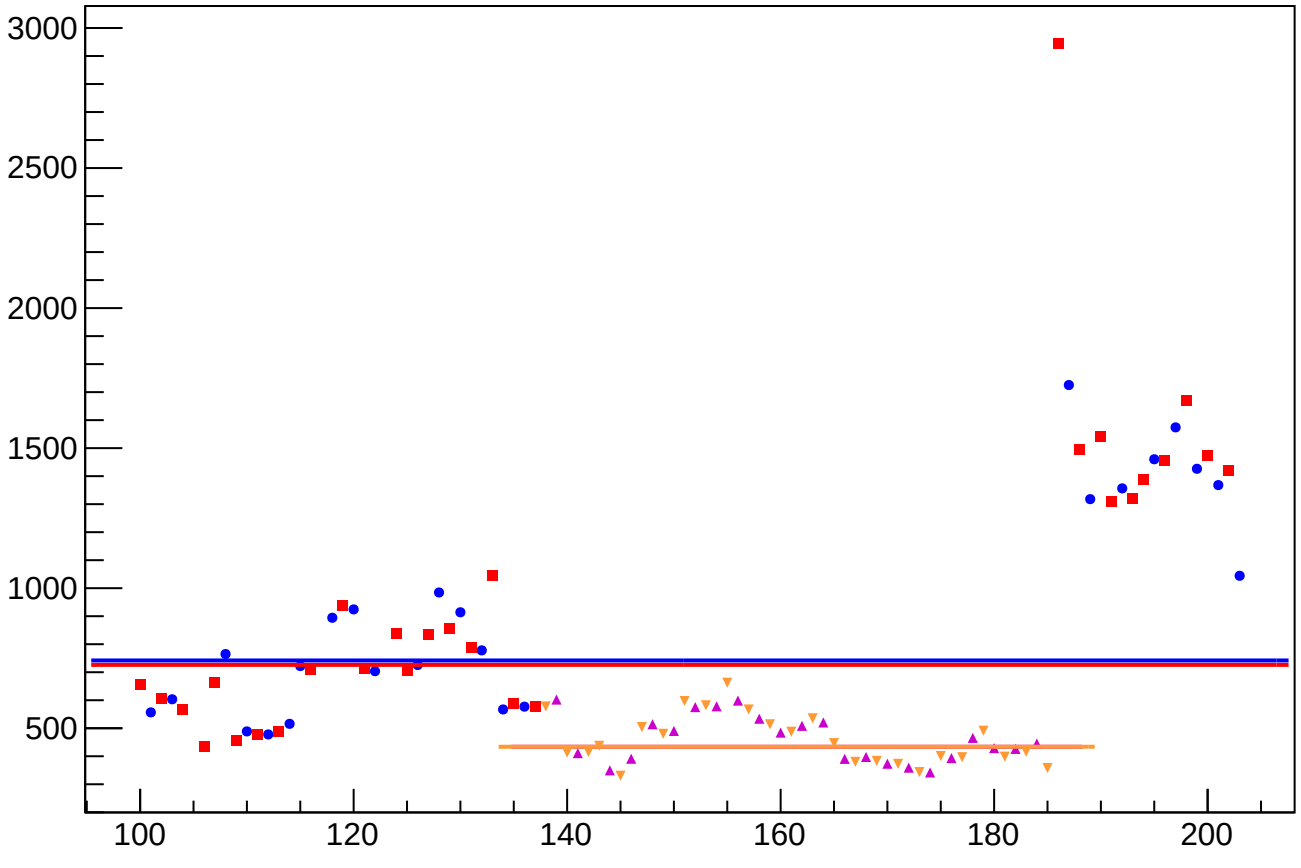
Left: 209.376+/-71.985 χ^2/NDF: 108.6/47

Right: -156.654+/-152.866 χ^2/NDF: 58.5/52

In: -9.616+/-93.452 χ^2/NDF:54.8/46

Out: 286.983+/-90.807 χ^2/NDF:111.8/53

All: 142.941+/-65.125 χ^2/NDF: 171.8/100



Right In: 741.994+/-0.156 χ^2/NDF: 3629577.8/23

Left Out: 433.945+/-0.071 χ^2/NDF:1243702.1/24

Right Out: 726.224+/-0.150 χ^2/NDF: 5263843.4/28

Left In: 433.722+/-0.073 χ^2/NDF:1094788.4/22

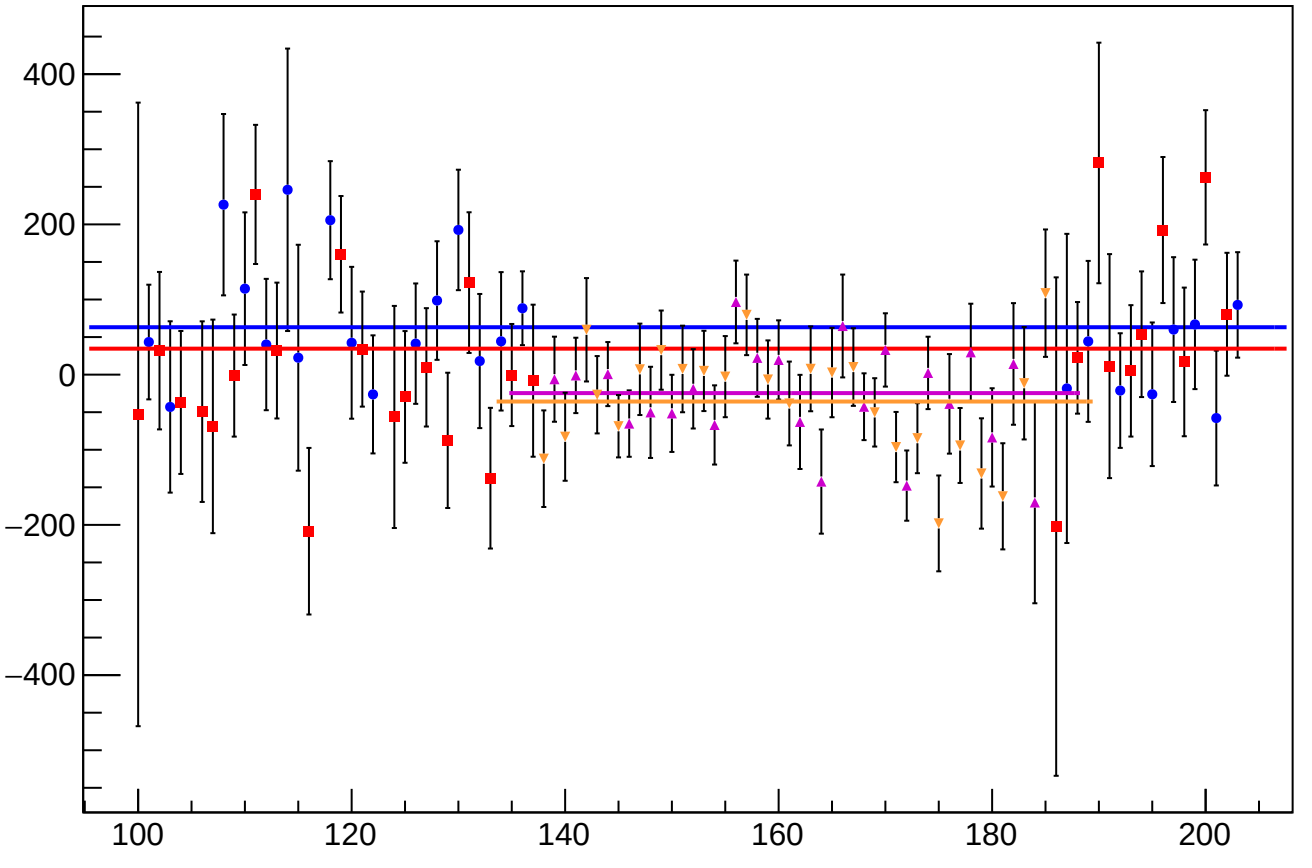
Left: 433.836+/-0.051 χ^2/NDF: 2338495.3/47

Right: 733.770+/-0.108 χ^2/NDF: 8898732.2/52

In: 488.854+/-0.066 χ^2/NDF:7920440.3/46

Out: 487.727+/-0.064 χ^2/NDF:9618638.1/53

All: 488.275+/-0.046 χ^2/NDF: 17539228.0/10



Right In: 63.107+/-17.874 χ^2/NDF: 16.5/23

Left Out: -35.792+/-11.119 χ^2/NDF:33.7/24

Right Out: 34.592+/-17.768 χ^2/NDF: 34.3/28

Left In: -24.573+/-11.471 χ^2/NDF:25.7/22

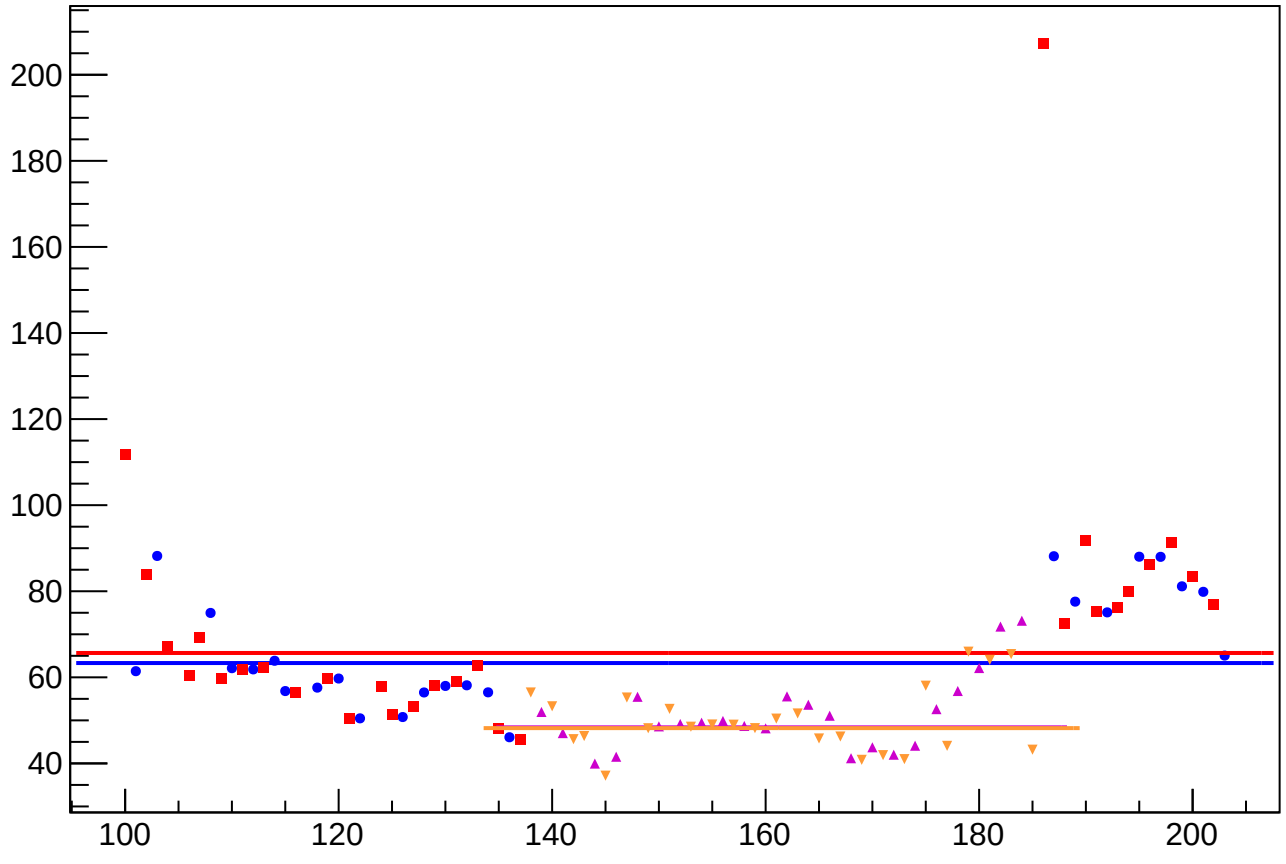
Left: -30.357+/-7.984 χ^2/NDF: 59.9/47

Right: 48.764+/-12.601 χ^2/NDF: 52.1/52

In: 1.004+/-9.654 χ^2/NDF:59.2/46

Out: -15.984+/-9.426 χ^2/NDF:79.3/53

All: -7.693+/-6.744 χ^2/NDF: 140.1/100



Right In: 63.320+/-0.013 χ^2/NDF: 1054626.1/23

Left Out: 48.198+/-0.008 χ^2/NDF:780285.2/24

Right Out: 65.658+/-0.013 χ^2/NDF: 1428426.8/28

Left In: 48.381+/-0.008 χ^2/NDF:695381.8/22

Left: 48.287+/-0.006 χ^2/NDF: 1475927.4/47

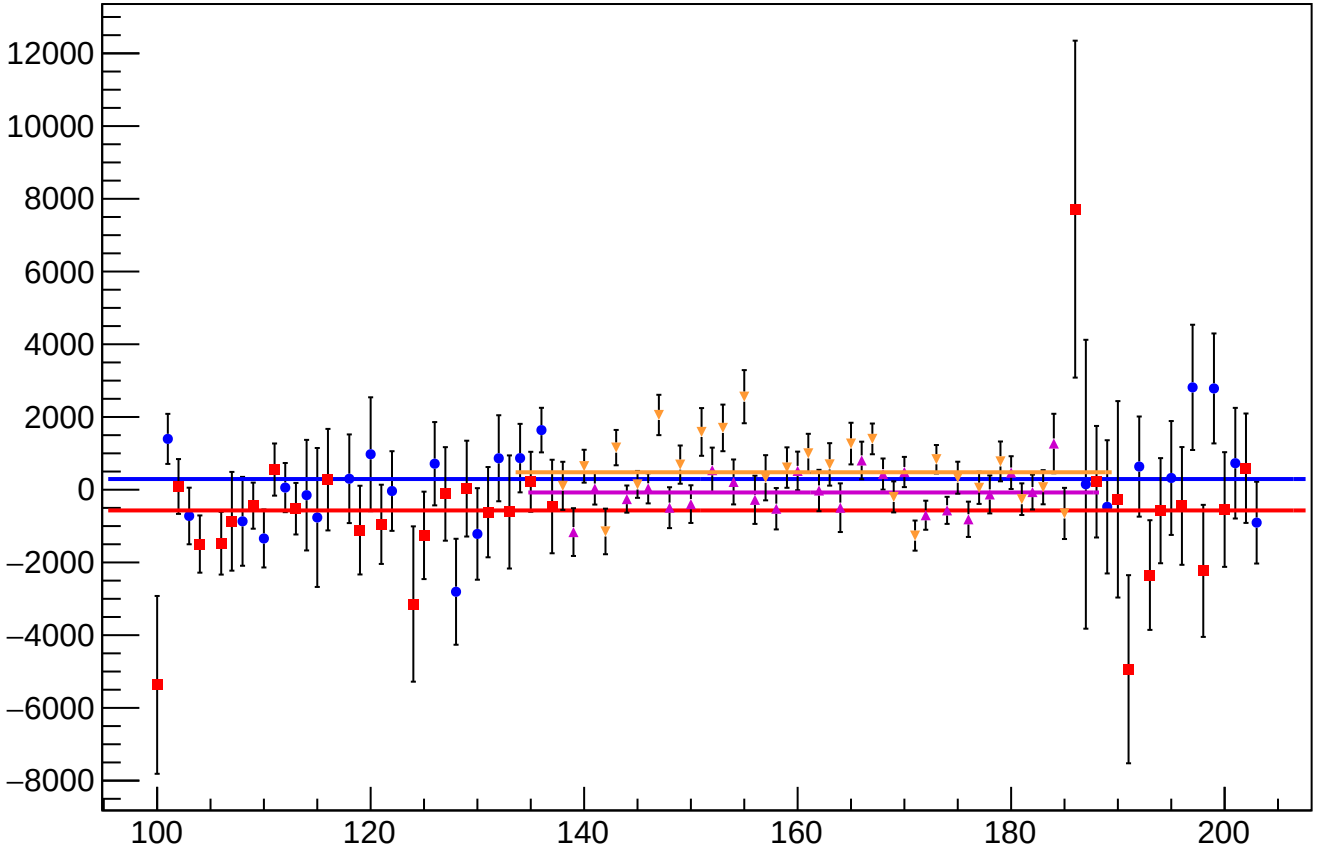
Right: 64.496+/-0.009 χ^2/NDF: 2500265.7/52

In: 52.739+/-0.007 χ^2/NDF:2739548.8/46

Out: 53.112+/-0.007 χ^2/NDF:3596430.8/53

All: 52.930+/-0.005 χ^2/NDF: 6337511.6/100

asym_sam_15_48_dd_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: 293.644+/-220.980 χ^2/NDF: 28.0/23

Left Out: 480.210+/-100.526 χ^2/NDF:69.2/24

Right Out: -569.884+/-211.689 χ^2/NDF: 22.5/28

Left In: -75.665+/-103.128 χ^2/NDF:24.5/22

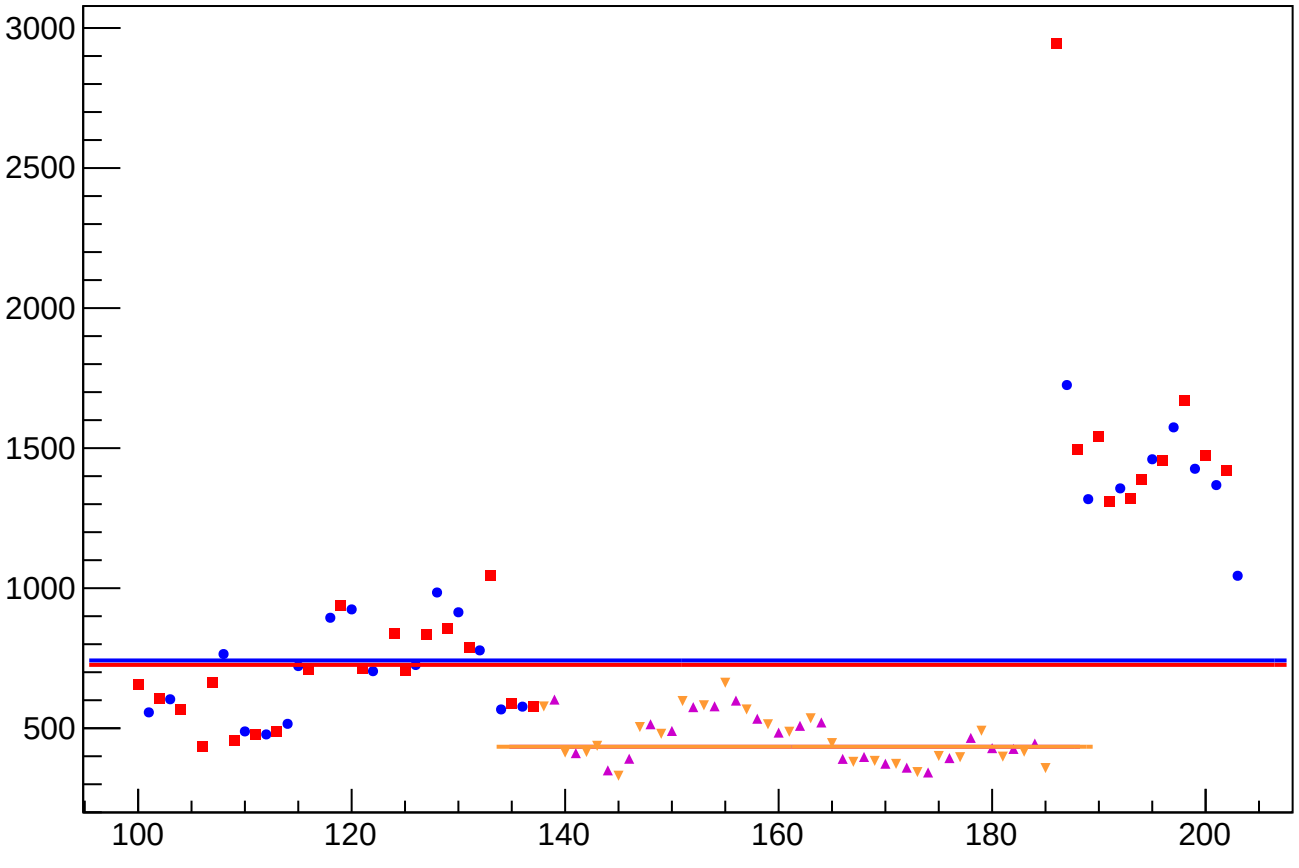
Left: 209.376+/-71.985 χ^2/NDF: 108.6/47

Right: -156.654+/-152.866 χ^2/NDF: 58.5/52

In: -9.616+/-93.452 χ^2/NDF:54.8/46

Out: 286.983+/-90.807 χ^2/NDF:111.8/53

All: 142.941+/-65.125 χ^2/NDF: 171.8/100



Right In: 741.994+/-0.156 χ^2/NDF: 3629577.8/23

Left Out: 433.945+/-0.071 χ^2/NDF:1243702.1/24

Right Out: 726.224+/-0.150 χ^2/NDF: 5263843.4/28

Left In: 433.722+/-0.073 χ^2/NDF:1094788.4/22

Left: 433.836+/-0.051 χ^2/NDF: 2338495.3/47

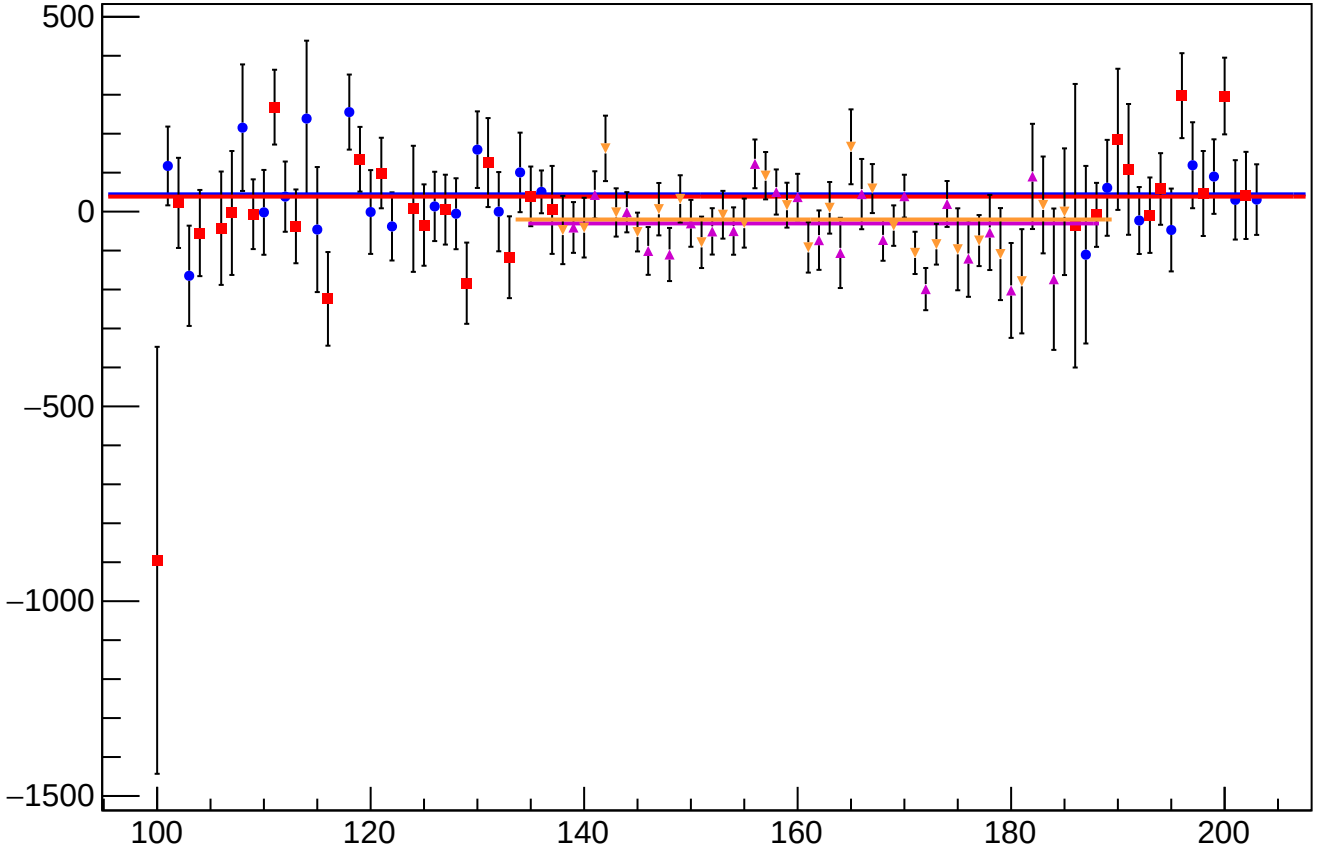
Right: 733.770+/-0.108 χ^2/NDF: 8898732.2/52

In: 488.854+/-0.066 χ^2/NDF:7920440.3/46

Out: 487.727+/-0.064 χ^2/NDF:9618638.1/53

All: 488.275+/-0.046 χ^2/NDF: 17539228.0/10

dit_asym_sam_15_48_dd_mean vs Slug, Sign Corrected



Right In: 44.291+/-20.473 χ^2/NDF: 16.4/23

Left Out: -20.270+/-13.636 χ^2/NDF:25.1/24

Right Out: 38.495+/-20.047 χ^2/NDF: 39.3/28

Left In: -30.318+/-13.979 χ^2/NDF:32.6/22

Left: -25.169+/-9.761 χ^2/NDF: 58.0/47

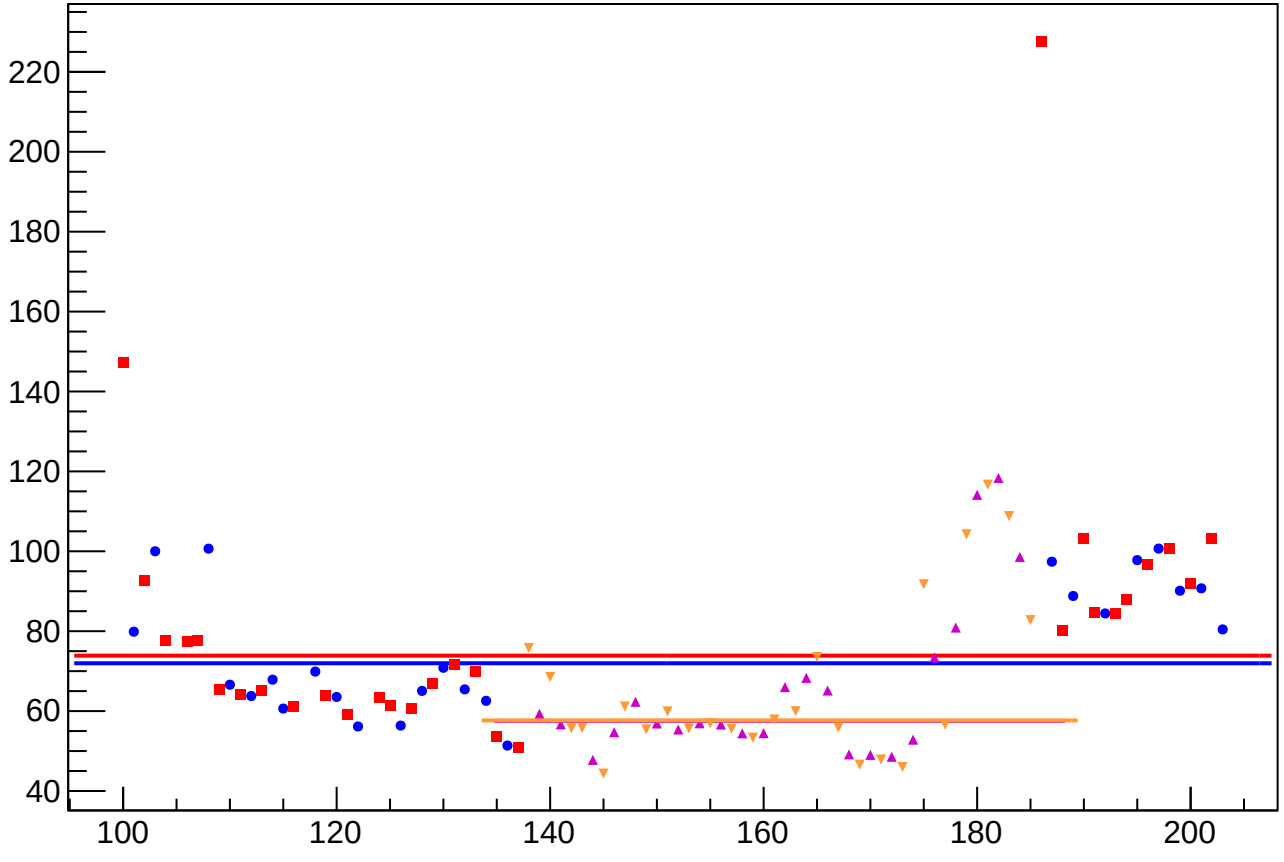
Right: 41.332+/-14.324 χ^2/NDF: 55.8/52

In: -6.595+/-11.544 χ^2/NDF:58.1/46

Out: -1.681+/-11.275 χ^2/NDF:70.3/53

All: -4.080+/-8.066 χ^2/NDF: 128.5/100

dit_asym_sam_15_48_dd_rms vs Slug, Sign Corrected



Right In: 71.969+/-0.014 χ^2/NDF: 1175350.3/23

Left Out: 57.668+/-0.010 χ^2/NDF:1909743.5/24

Right Out: 73.875+/-0.014 χ^2/NDF: 1480841.9/28

Left In: 57.539+/-0.010 χ^2/NDF:1443279.4/22

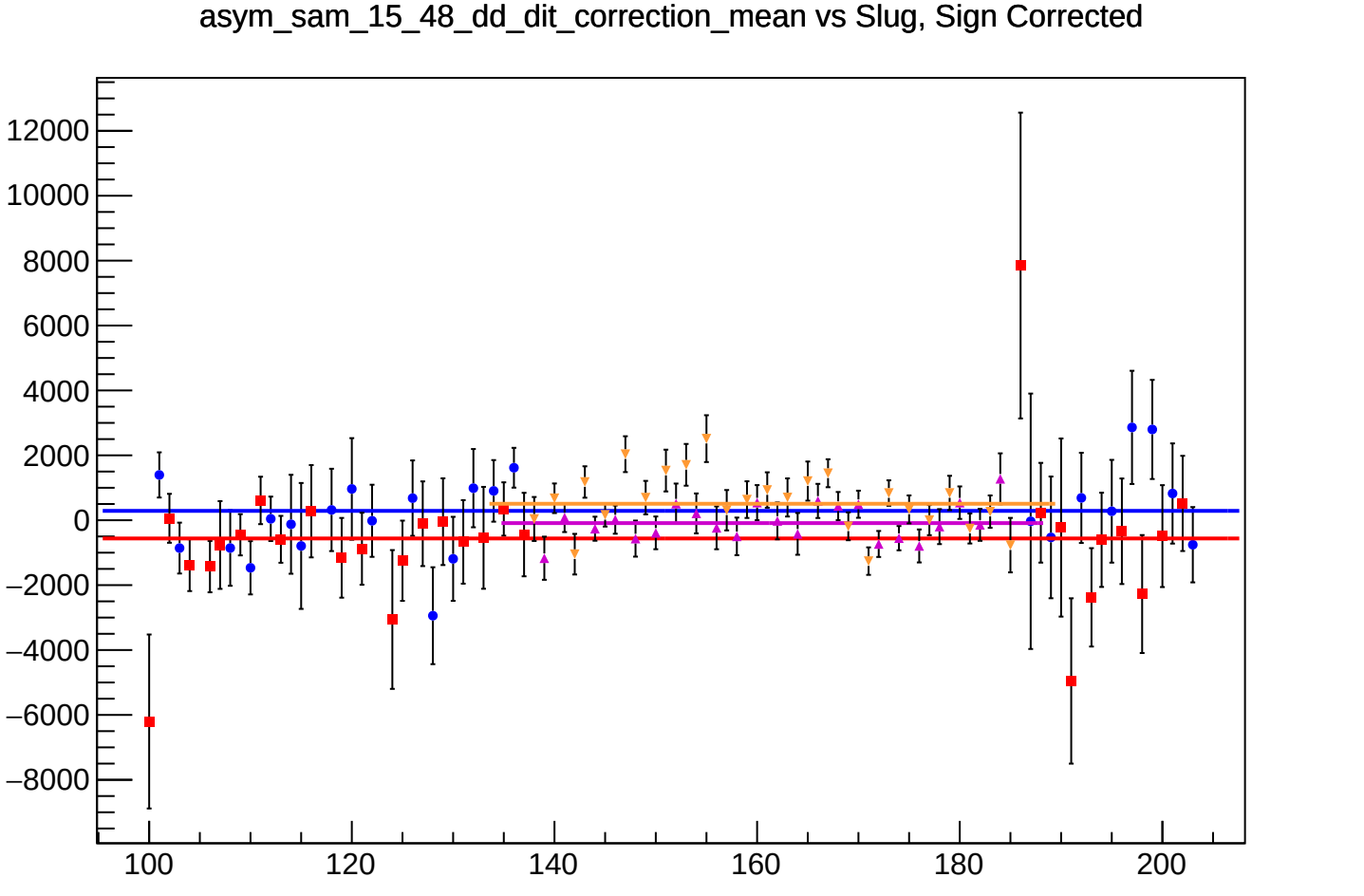
Left: 57.605+/-0.007 χ^2/NDF: 3353109.9/47

Right: 72.942+/-0.010 χ^2/NDF: 2665037.0/52

In: 62.127+/-0.008 χ^2/NDF:3296239.0/46

Out: 62.795+/-0.008 χ^2/NDF:4284184.7/53

All: 62.469+/-0.006 χ^2/NDF: 7583842.4/100



Right In: 288.450+/-223.556 χ^2/NDF: 28.6/23

Left Out: 507.171+/-101.776 χ^2/NDF:65.8/24

Right Out: -561.949+/-212.371 χ^2/NDF: 23.2/28

Left In: -88.471+/-104.542 χ^2/NDF:23.3/22

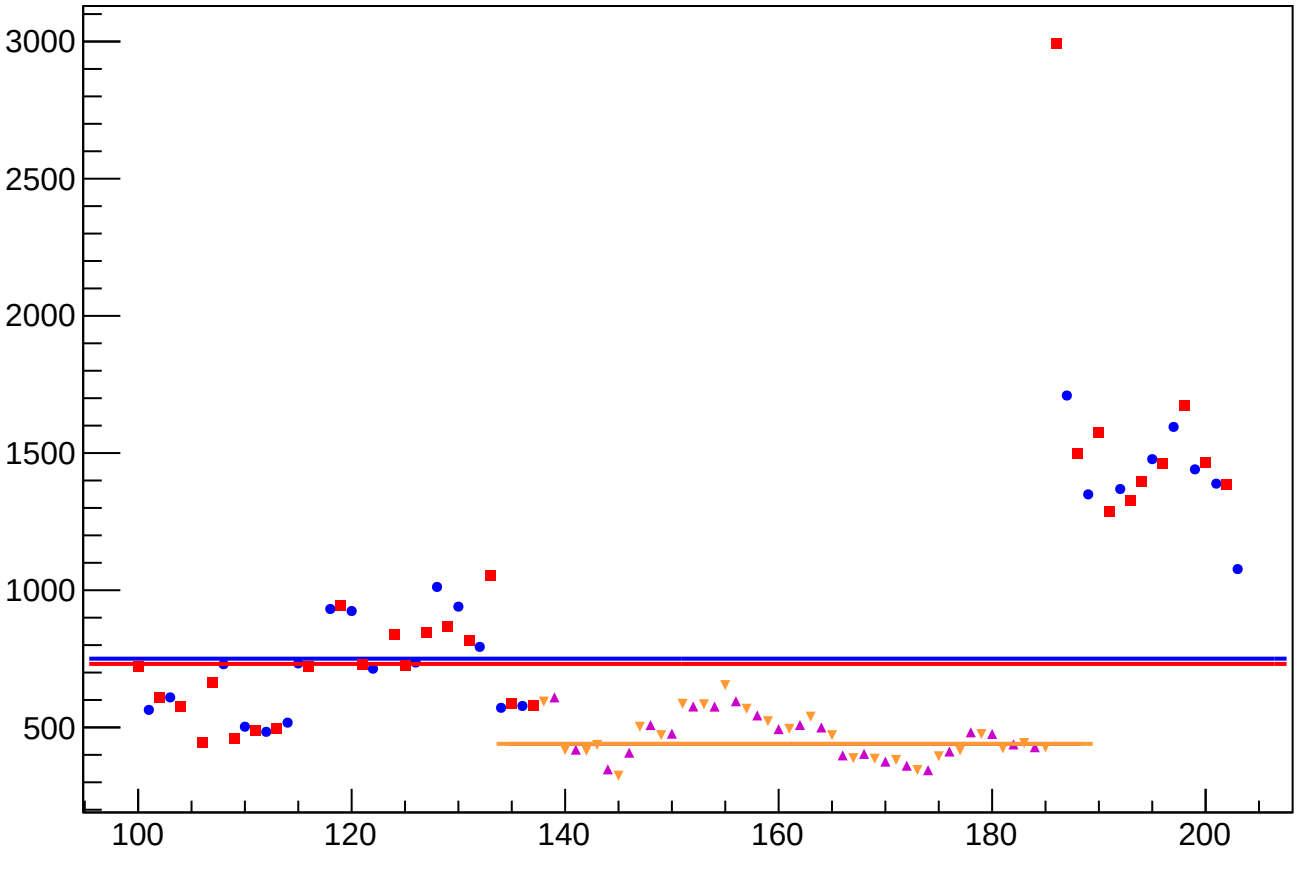
Left: 217.331+/-72.925 χ^2/NDF: 105.8/47

Right: -158.555+/-153.971 χ^2/NDF: 59.4/52

In: -20.837+/-94.699 χ^2/NDF:54.3/46

Out: 307.488+/-91.781 χ^2/NDF:109.6/53

All: 148.461+/-65.906 χ^2/NDF: 170.0/100



Right In: 750.597+/-0.158 χ^2/NDF: 3663066.4/23

Left Out: 440.075+/-0.072 χ^2/NDF:1196985.5/24

Right Out: 731.419+/-0.150 χ^2/NDF: 5230296.5/28

Left In: 439.877+/-0.074 χ^2/NDF:1061910.1/22

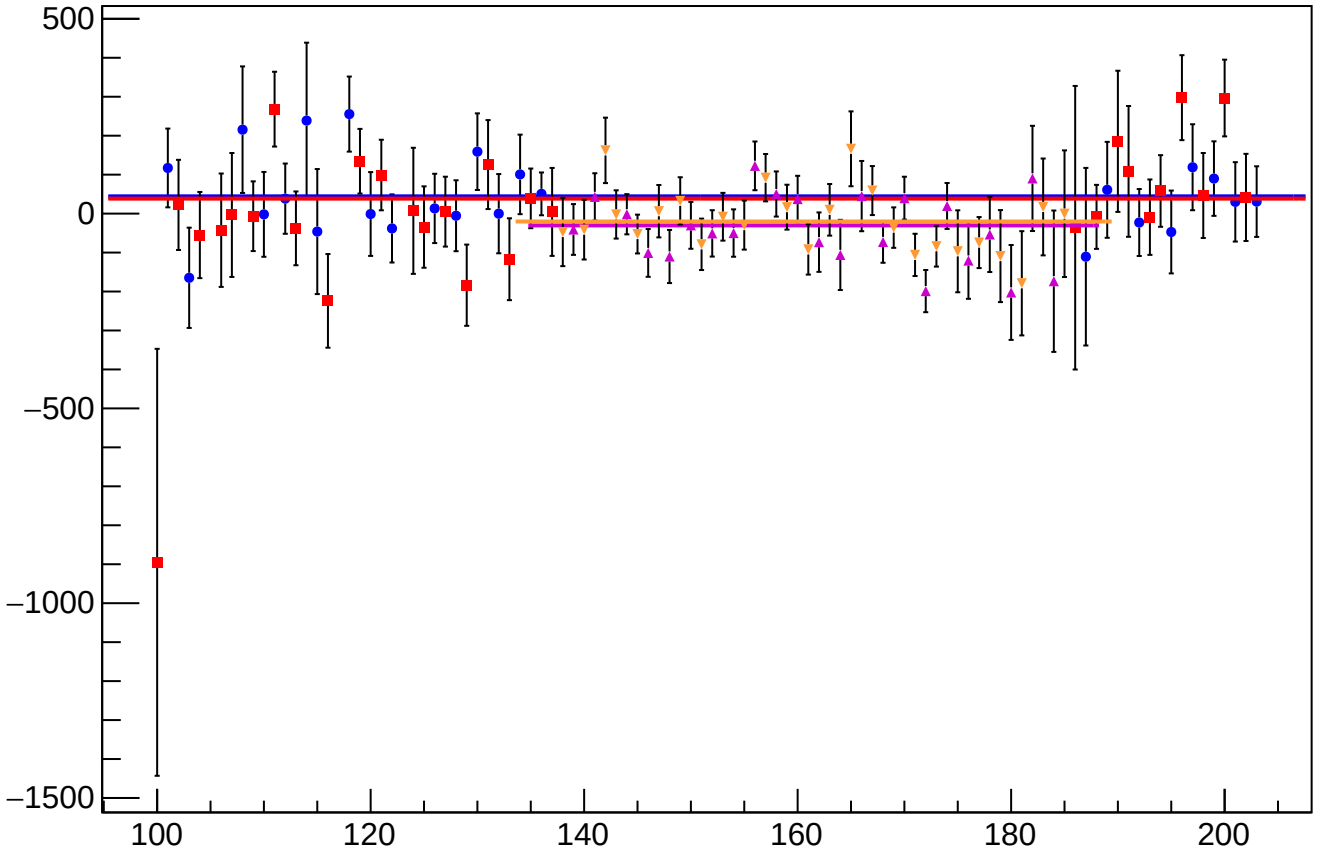
Left: 439.979+/-0.052 χ^2/NDF: 2258899.3/47

Right: 740.516+/-0.109 χ^2/NDF: 8901099.4/52

In: 495.632+/-0.067 χ^2/NDF:7895314.7/46

Out: 494.490+/-0.065 χ^2/NDF:9488279.5/53

All: 495.043+/-0.047 χ^2/NDF: 17383744.1/10



Right In: 44.289+/-20.473 χ^2/NDF: 16.4/23

Left Out: -20.271+/-13.636 χ^2/NDF:25.1/24

Right Out: 38.495+/-20.047 χ^2/NDF: 39.3/28

Left In: -30.318+/-13.979 χ^2/NDF:32.6/22

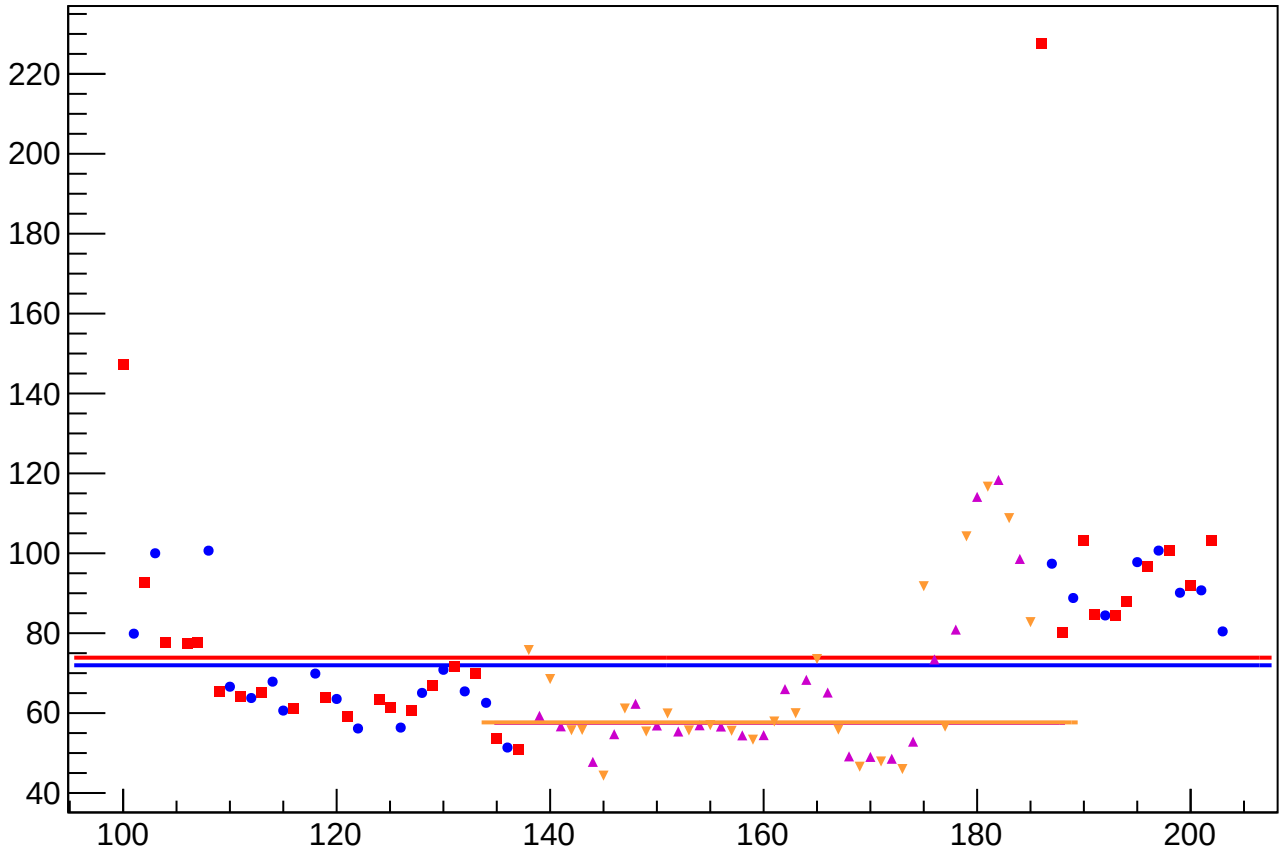
Left: -25.170+/-9.761 χ^2/NDF: 58.0/47

Right: 41.331+/-14.324 χ^2/NDF: 55.8/52

In: -6.596+/-11.544 χ^2/NDF:58.1/46

Out: -1.682+/-11.275 χ^2/NDF:70.3/53

All: -4.081+/-8.066 χ^2/NDF: 128.5/100



Right In: 71.969+/-0.014 χ^2/NDF: 1175341.4/23

Left Out: 57.668+/-0.010 χ^2/NDF:1909739.8/24

Right Out: 73.875+/-0.014 χ^2/NDF: 1480860.6/28

Left In: 57.539+/-0.010 χ^2/NDF:1443262.3/22

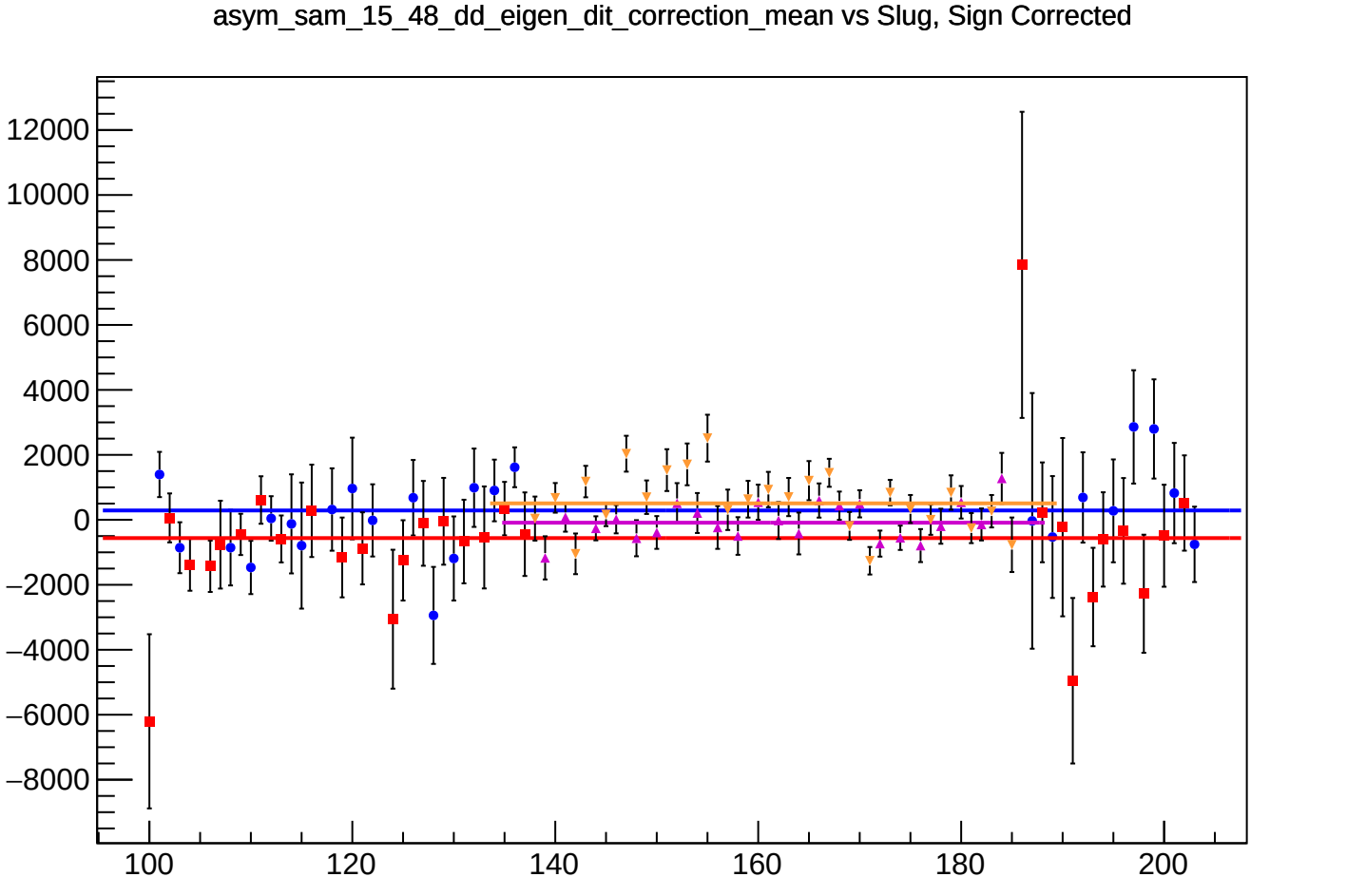
Left: 57.605+/-0.007 χ^2/NDF: 3353089.2/47

Right: 72.942+/-0.010 χ^2/NDF: 2665047.1/52

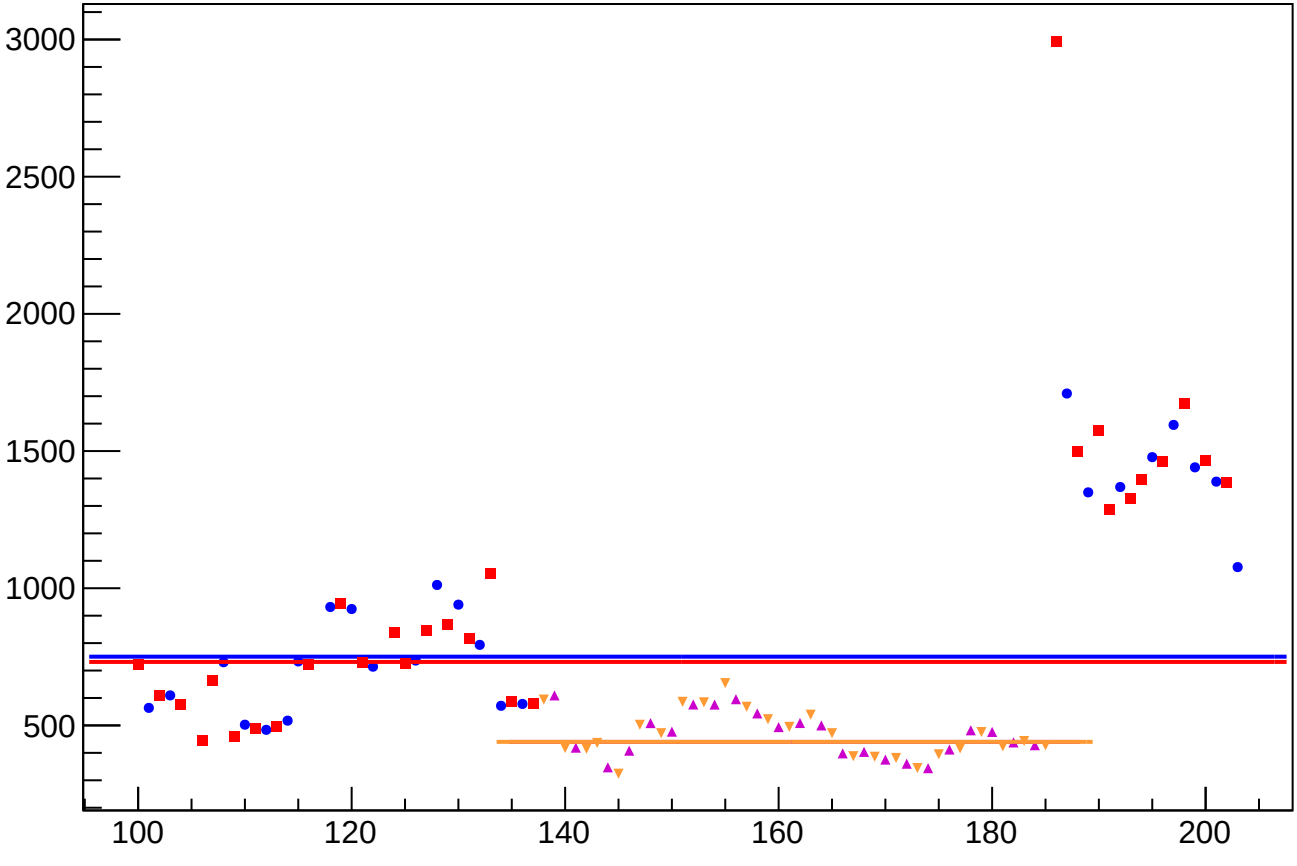
In: 62.127+/-0.008 χ^2/NDF:3296194.9/46

Out: 62.795+/-0.008 χ^2/NDF:4284172.7/53

All: 62.469+/-0.006 χ^2/NDF: 7583786.9/100


asym_sam_15_48_dd_eigen_dit_correction_mean vs Slug, Sign Corrected
12000
10000
8000
6000
4000
2000
0
−2000
−4000
−6000
−8000
100
120
140
160
180
200
Right In: 288.449+/-223.556 χ²/NDF: 28.6/23
Left Out: 507.170+/-101.776 χ²/NDF:65.8/24
Right Out: -561.948+/-212.371 χ²/NDF: 23.2/28
Left In: -88.471+/-104.541 χ²/NDF:23.3/22
Left: 217.331+/-72.925 χ²/NDF: 105.8/47
Right: -158.555+/-153.971 χ²/NDF: 59.4/52
In: -20.837+/-94.699 χ²/NDF:54.3/46
Out: 307.488+/-91.781 χ²/NDF:109.6/53
All: 148.461+/-65.906 χ²/NDF: 170.0/100

asym_sam_15_48_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 750.596+/-0.158 χ^2/NDF: 3663068.9/23

Left Out: 440.074+/-0.072 χ^2/NDF:1196993.4/24

Right Out: 731.418+/-0.150 χ^2/NDF: 5230298.8/28

Left In: 439.876+/-0.074 χ^2/NDF:1061916.6/22

Left: 439.978+/-0.052 χ^2/NDF: 2258913.7/47

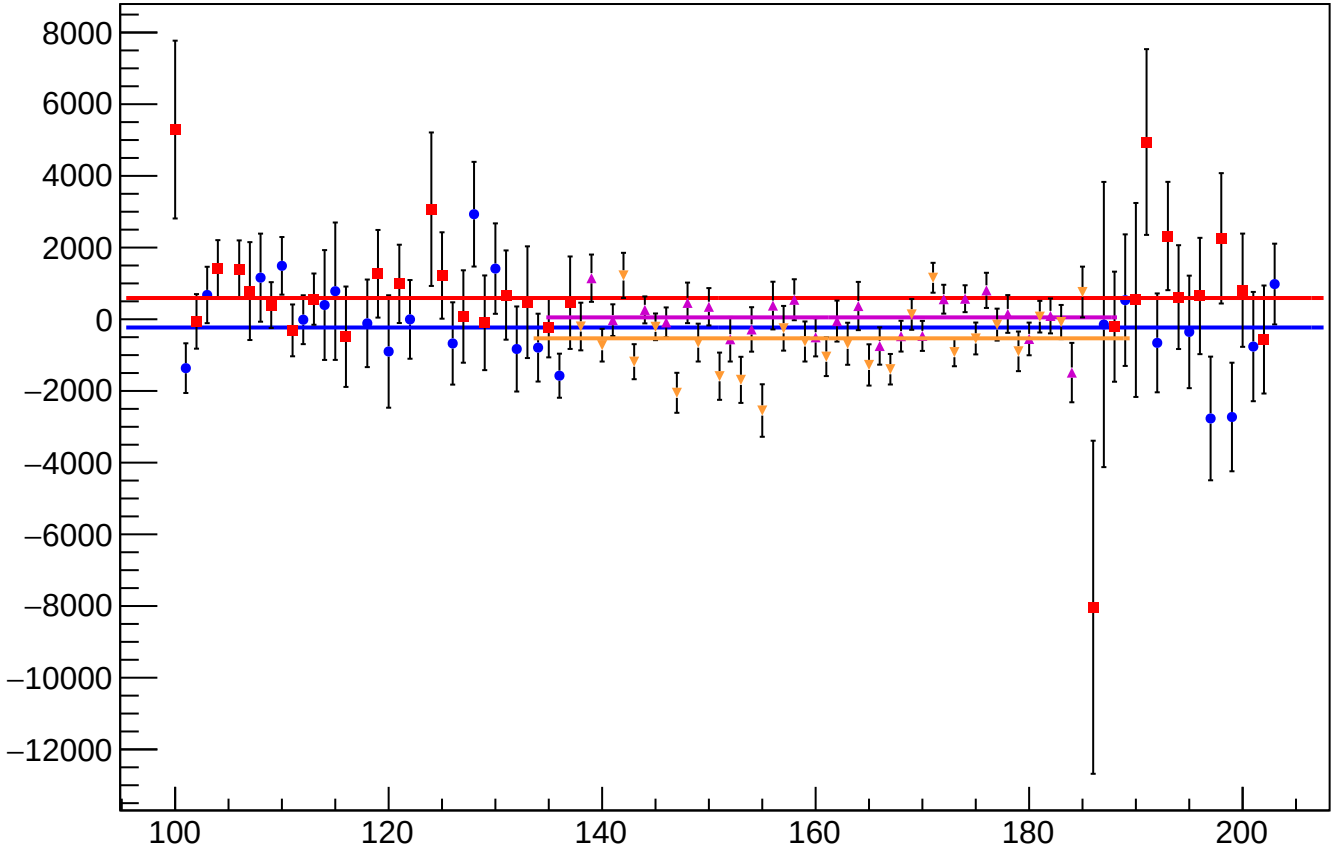
Right: 740.516+/-0.109 χ^2/NDF: 8901104.2/52

In: 495.631+/-0.067 χ^2/NDF:7895338.6/46

Out: 494.489+/-0.065 χ^2/NDF:9488302.8/53

All: 495.042+/-0.047 χ^2/NDF: 17383791.2/10

asym_sam_15_48_dd_mean vs Slug, Sign Corrected



Right In: -229.811+/-222.098 χ^2/NDF: 29.0/23

Left Out: -531.569+/-101.245 χ^2/NDF:65.6/24

Right Out: 592.719+/-211.848 χ^2/NDF: 21.5/28

Left In: 52.554+/-103.870 χ^2/NDF:24.1/22

Left: -246.981+/-72.501 χ^2/NDF: 105.9/47

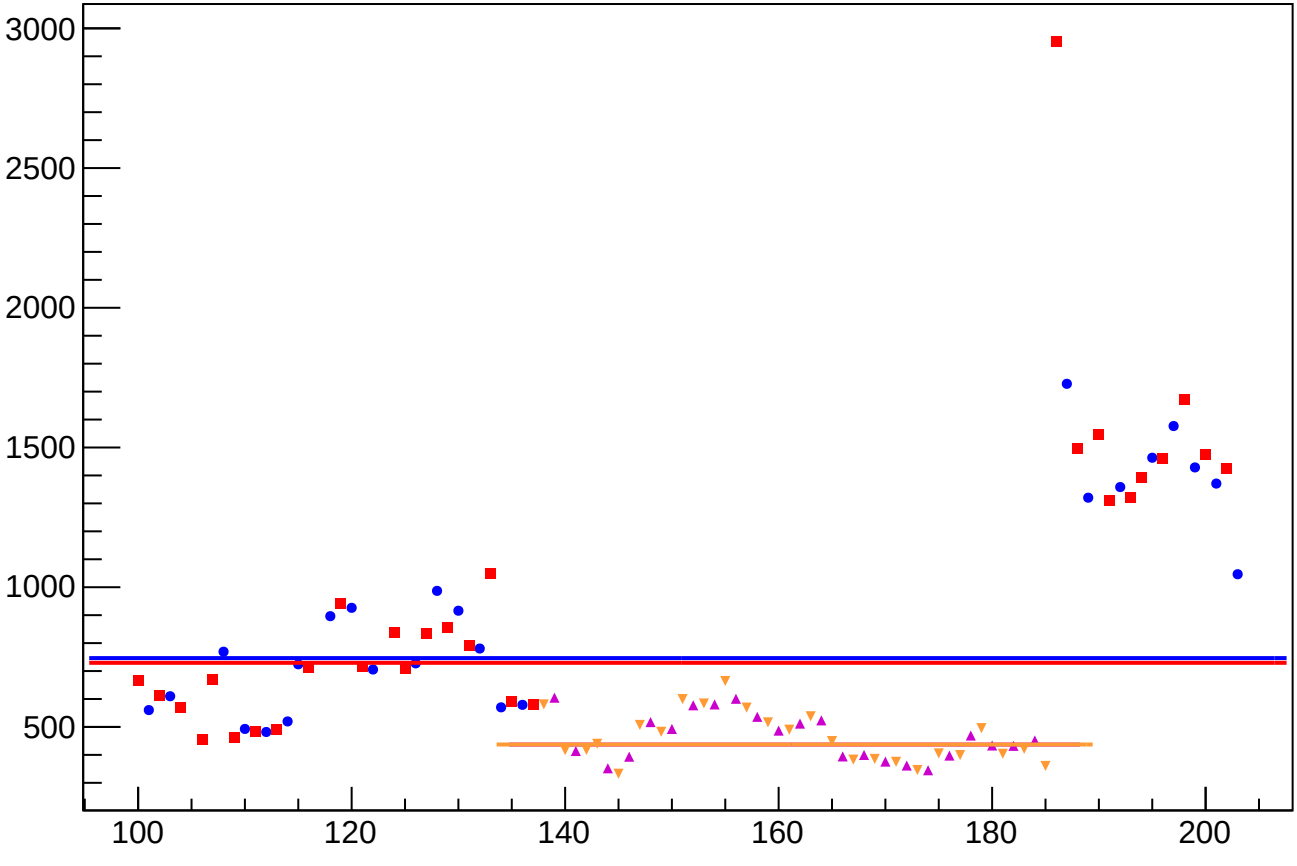
Right: 200.870+/-153.295 χ^2/NDF: 57.7/52

In: 1.878+/-94.089 χ^2/NDF:54.4/46

Out: -322.526+/-91.349 χ^2/NDF:110.0/53

All: -165.116+/-65.541 χ^2/NDF: 170.5/100

asym_sam_15_48_dd_rms vs Slug, Sign Corrected



Right In: 746.361+/-0.157 χ^2/NDF: 3593717.8/23

Left Out: 437.157+/-0.072 χ^2/NDF:1227453.3/24

Right Out: 729.474+/-0.150 χ^2/NDF: 5220262.5/28

Left In: 436.937+/-0.073 χ^2/NDF:1080038.0/22

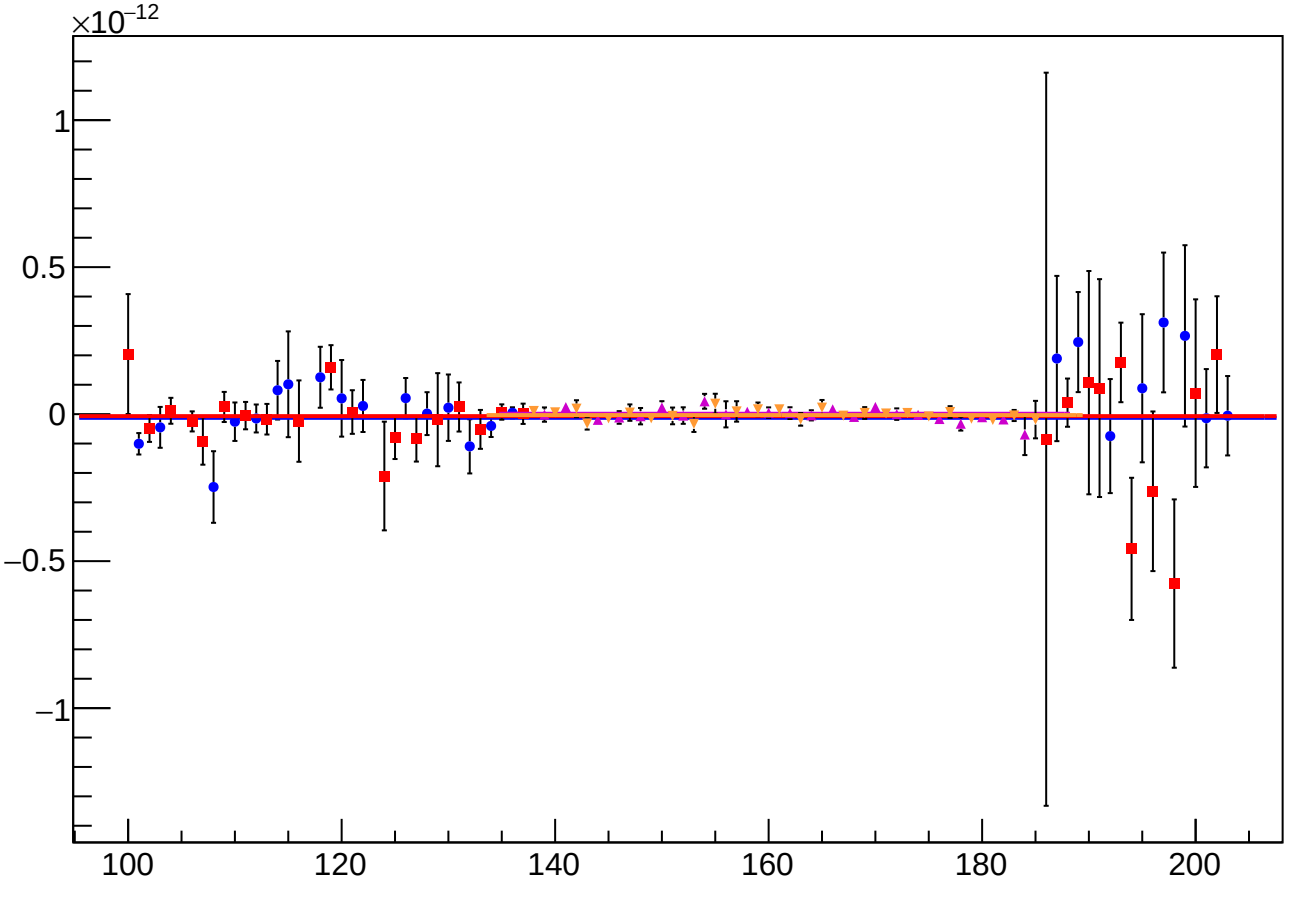
Left: 437.050+/-0.051 χ^2/NDF: 2307495.9/47

Right: 737.519+/-0.108 χ^2/NDF: 8820034.4/52

In: 492.469+/-0.067 χ^2/NDF:7859015.0/46

Out: 491.508+/-0.065 χ^2/NDF:9547626.5/53

All: 491.975+/-0.046 χ^2/NDF: 17406748.8/10



Right In: -0.000+/-0.000 χ^2/NDF: 22.7/23

Left Out: -0.000+/-0.000 χ^2/NDF:14.3/24

Right Out: -0.000+/-0.000 χ^2/NDF: 24.8/28

Left In: 0.000+/-0.000 χ^2/NDF:22.0/22

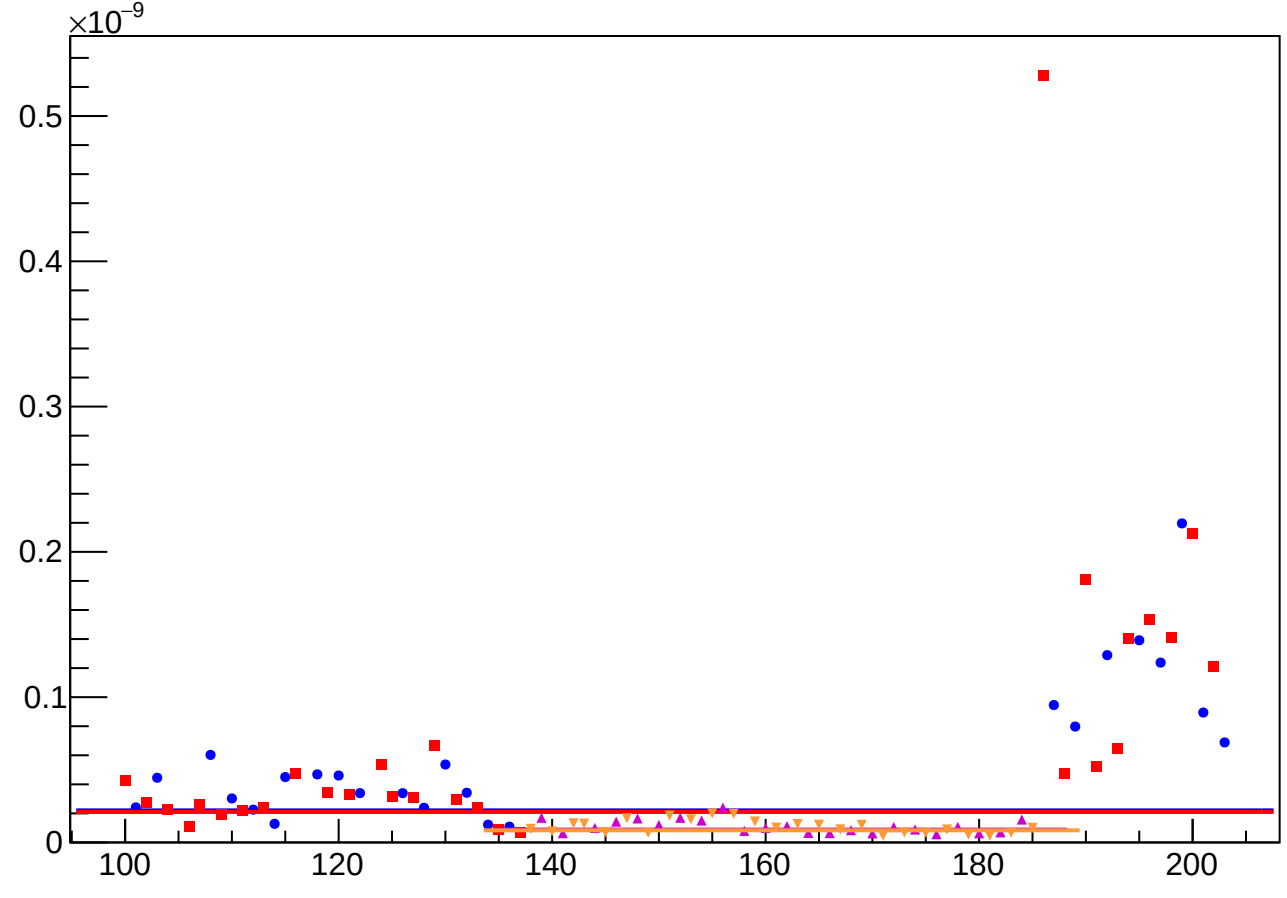
Left: -0.000+/-0.000 χ^2/NDF: 37.2/47

Right: -0.000+/-0.000 χ^2/NDF: 47.6/52

In: 0.000+/-0.000 χ^2/NDF:45.9/46

Out: -0.000+/-0.000 χ^2/NDF:39.2/53

All: -0.000+/-0.000 χ^2/NDF: 85.7/100



Right In: 0.000+/-0.000 χ^2/NDF: 4974012.4/23

Left Out: 0.000+/-0.000 χ^2/NDF:2207304.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 5195602.7/28

Left In: 0.000+/-0.000 χ^2/NDF:1644276.1/22

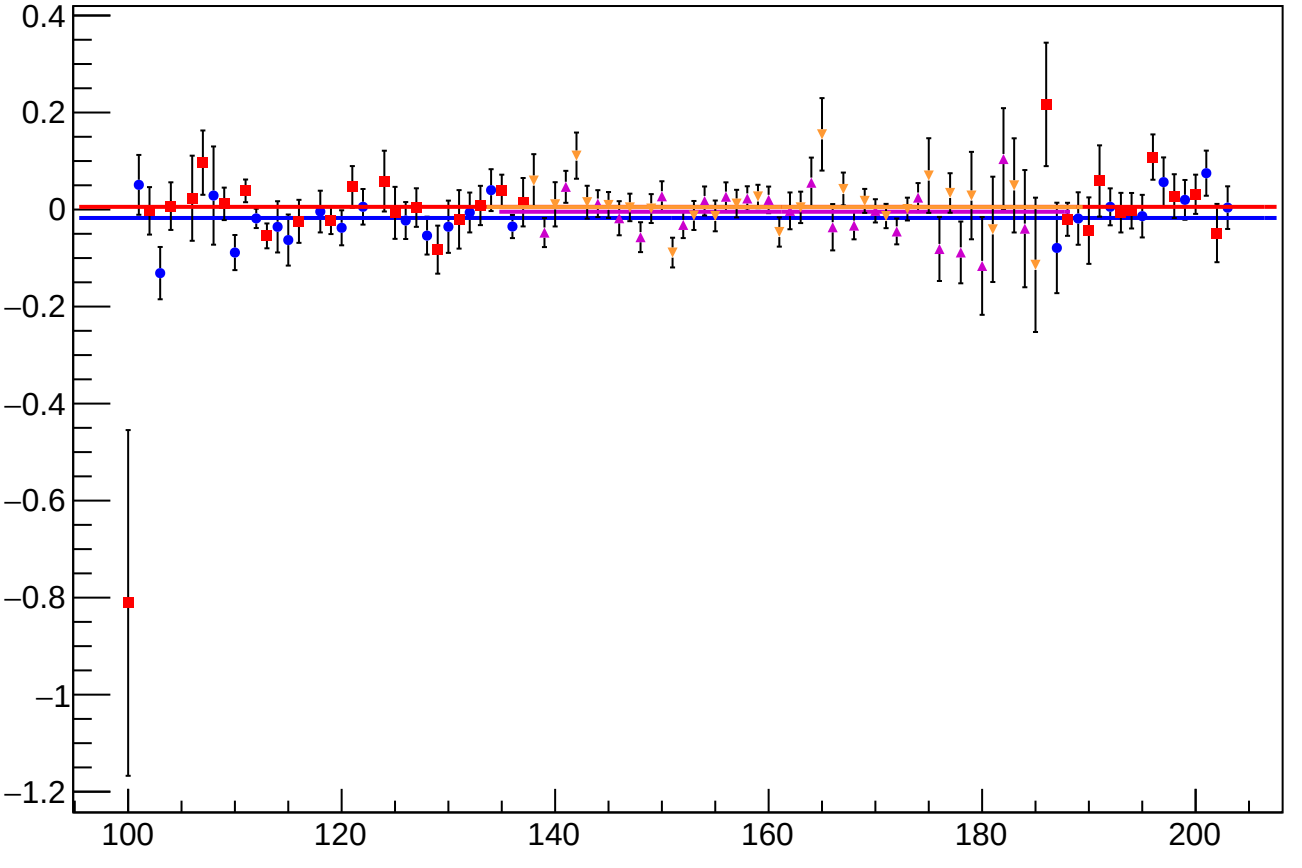
Left: 0.000+/-0.000 χ^2/NDF: 3869791.0/47

Right: 0.000+/-0.000 χ^2/NDF: 10177550.9/52

In: 0.000+/-0.000 χ^2/NDF:8716484.5/46

Out: 0.000+/-0.000 χ^2/NDF:9487358.5/53

All: 0.000+/-0.000 χ^2/NDF: 18232520.9/100



Right In: -0.017+/-0.008 χ^2/NDF: 22.7/23

Left Out: 0.005+/-0.007 χ^2/NDF:28.4/24

Right Out: 0.006+/-0.008 χ^2/NDF: 33.0/28

Left In: -0.005+/-0.007 χ^2/NDF:25.1/22

Left: 0.000+/-0.005 χ^2/NDF: 54.5/47

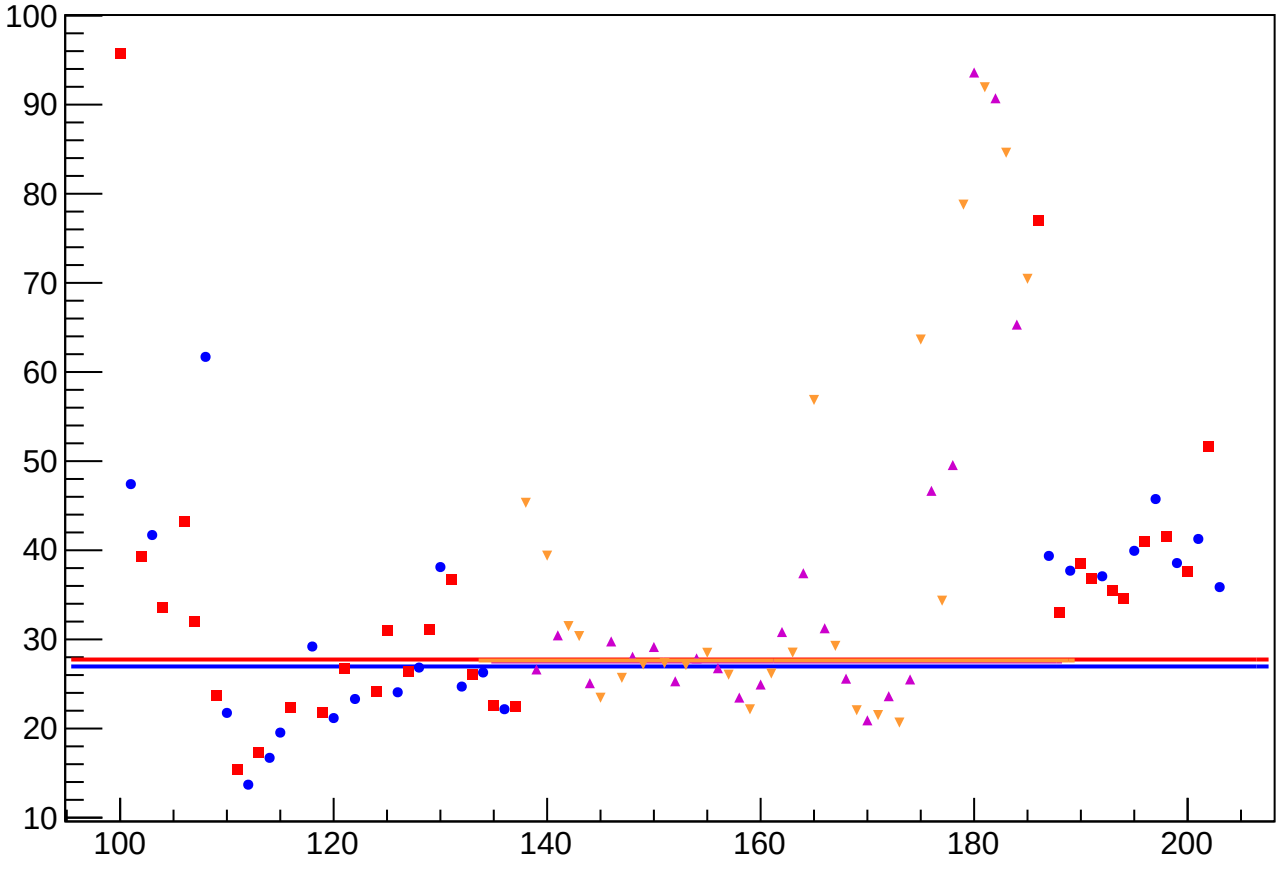
Right: -0.005+/-0.006 χ^2/NDF: 59.8/52

In: -0.010+/-0.005 χ^2/NDF:49.3/46

Out: 0.005+/-0.005 χ^2/NDF:61.4/53

All: -0.002+/-0.004 χ^2/NDF: 114.9/100

asym_sam_15_48_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 26.964+/-0.006 χ^2/NDF: 3042740.2/23

Left Out: 27.635+/-0.005 χ^2/NDF:3974084.8/24

Right Out: 27.744+/-0.006 χ^2/NDF: 2819098.5/28

Left In: 27.524+/-0.005 χ^2/NDF:2634540.9/22

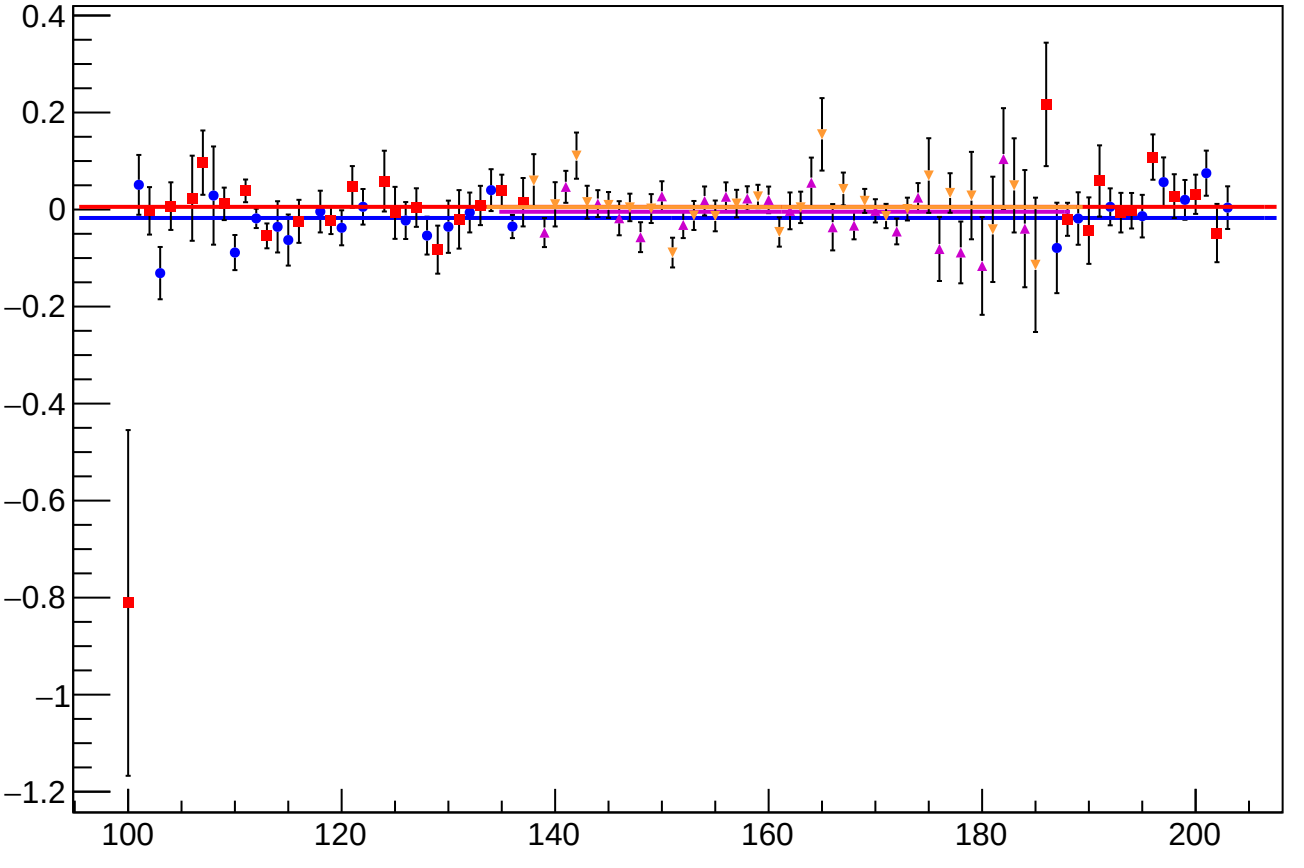
Left: 27.581+/-0.003 χ^2/NDF: 6608881.9/47

Right: 27.368+/-0.004 χ^2/NDF: 5871268.7/52

In: 27.288+/-0.004 χ^2/NDF:5682708.7/46

Out: 27.682+/-0.004 χ^2/NDF:6793401.8/53

All: 27.490+/-0.003 χ^2/NDF: 12481757.7/100



Right In: -0.017+/-0.008 χ^2/NDF: 22.7/23

Left Out: 0.005+/-0.007 χ^2/NDF:28.4/24

Right Out: 0.006+/-0.008 χ^2/NDF: 33.0/28

Left In: -0.005+/-0.007 χ^2/NDF:25.1/22

Left: 0.000+/-0.005 χ^2/NDF: 54.5/47

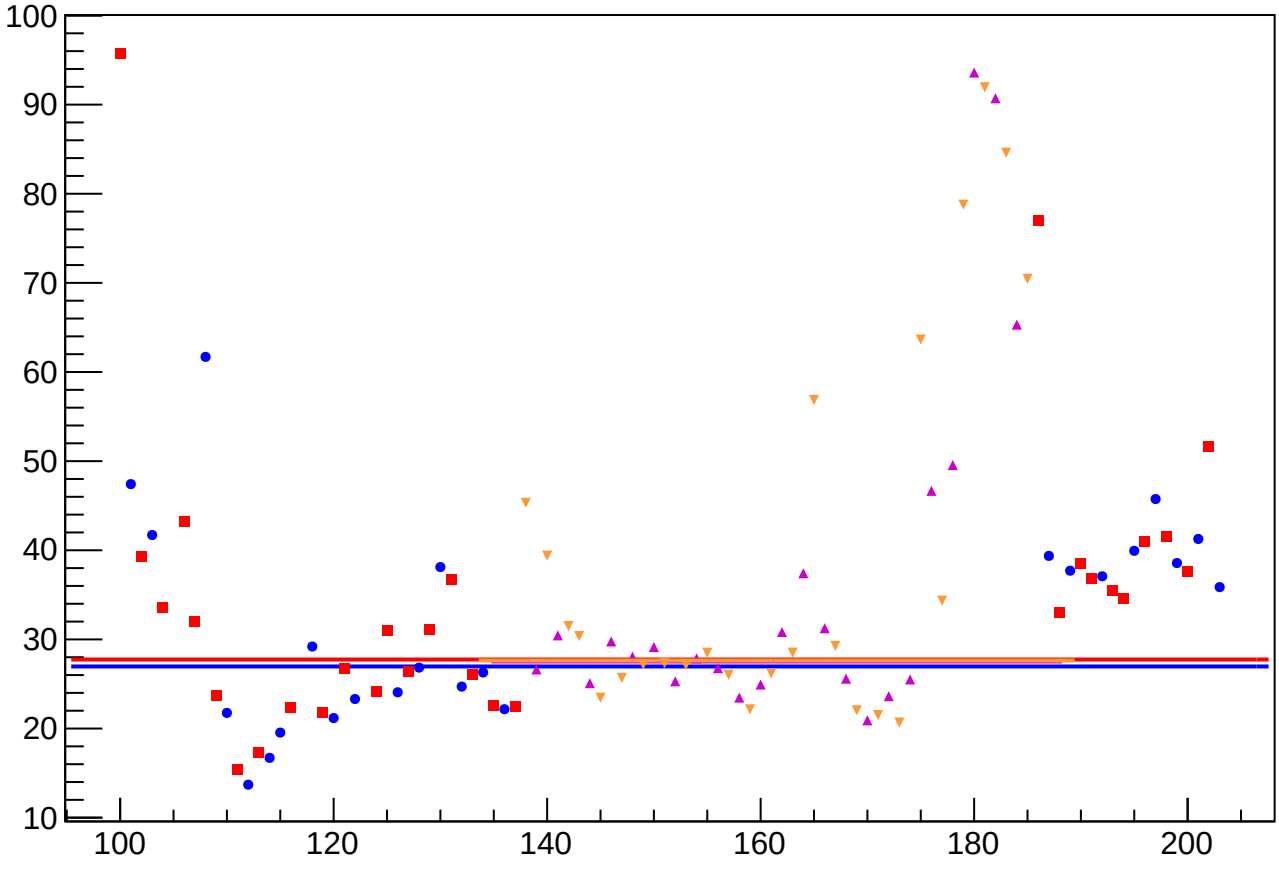
Right: -0.005+/-0.006 χ^2/NDF: 59.8/52

In: -0.010+/-0.005 χ^2/NDF:49.3/46

Out: 0.005+/-0.005 χ^2/NDF:61.4/53

All: -0.002+/-0.004 χ^2/NDF: 114.9/100

asym_sam_15_48_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 26.964+/-0.006 χ^2/NDF: 3042740.2/23

Left Out: 27.635+/-0.005 χ^2/NDF:3974084.8/24

Right Out: 27.744+/-0.006 χ^2/NDF: 2819098.5/28

Left In: 27.524+/-0.005 χ^2/NDF:2634540.9/22

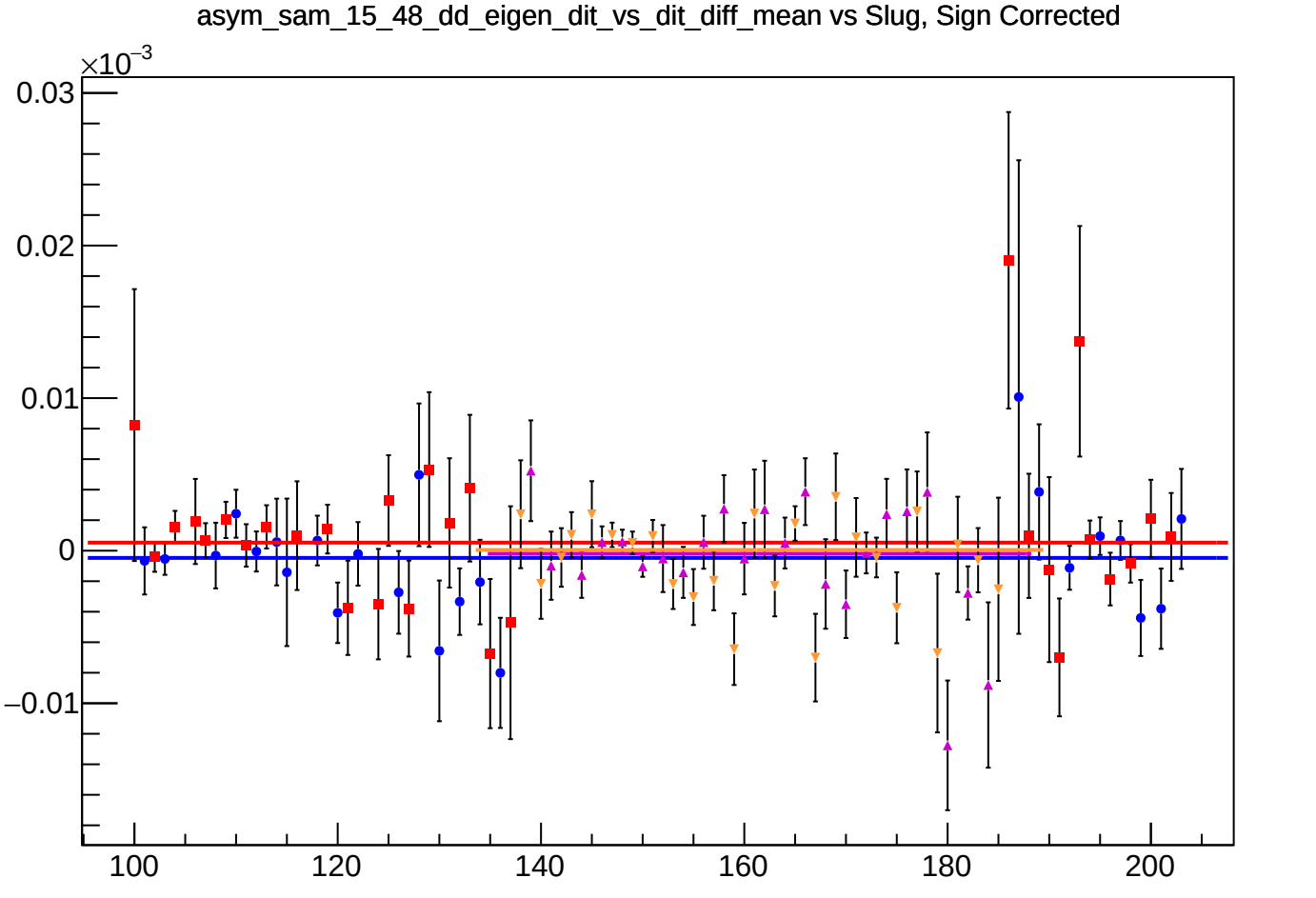
Left: 27.581+/-0.003 χ^2/NDF: 6608881.9/47

Right: 27.368+/-0.004 χ^2/NDF: 5871268.7/52

In: 27.288+/-0.004 χ^2/NDF:5682708.7/46

Out: 27.682+/-0.004 χ^2/NDF:6793401.8/53

All: 27.490+/-0.003 χ^2/NDF: 12481757.7/100



Right In: -0.000+/-0.000 χ^2/NDF: 26.2/23

Left Out: 0.000+/-0.000 χ^2/NDF:37.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 29.6/28

Left In: -0.000+/-0.000 χ^2/NDF:33.3/22

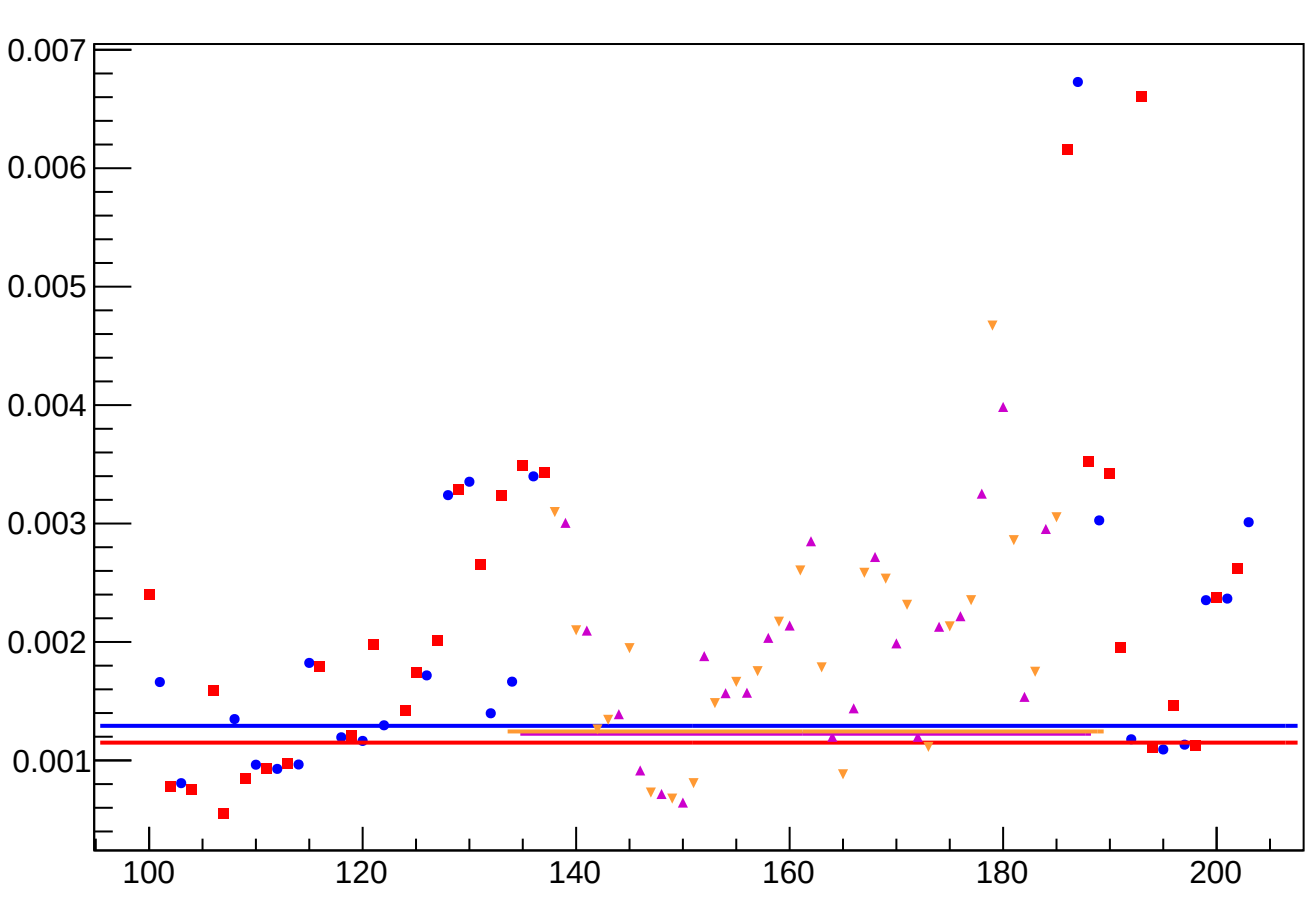
Left: -0.000+/-0.000 χ^2/NDF: 70.5/47

Right: 0.000+/-0.000 χ^2/NDF: 59.2/52

In: -0.000+/-0.000 χ^2/NDF:59.7/46

Out: 0.000+/-0.000 χ^2/NDF:67.5/53

All: -0.000+/-0.000 χ^2/NDF: 129.9/100



Right In: 0.001+/-0.000 χ^2/NDF: 4210396.6/23

Left Out: 0.001+/-0.000 χ^2/NDF:8341059.1/24

Right Out: 0.001+/-0.000 χ^2/NDF: 7204905.9/28

Left In: 0.001+/-0.000 χ^2/NDF:7822849.8/22

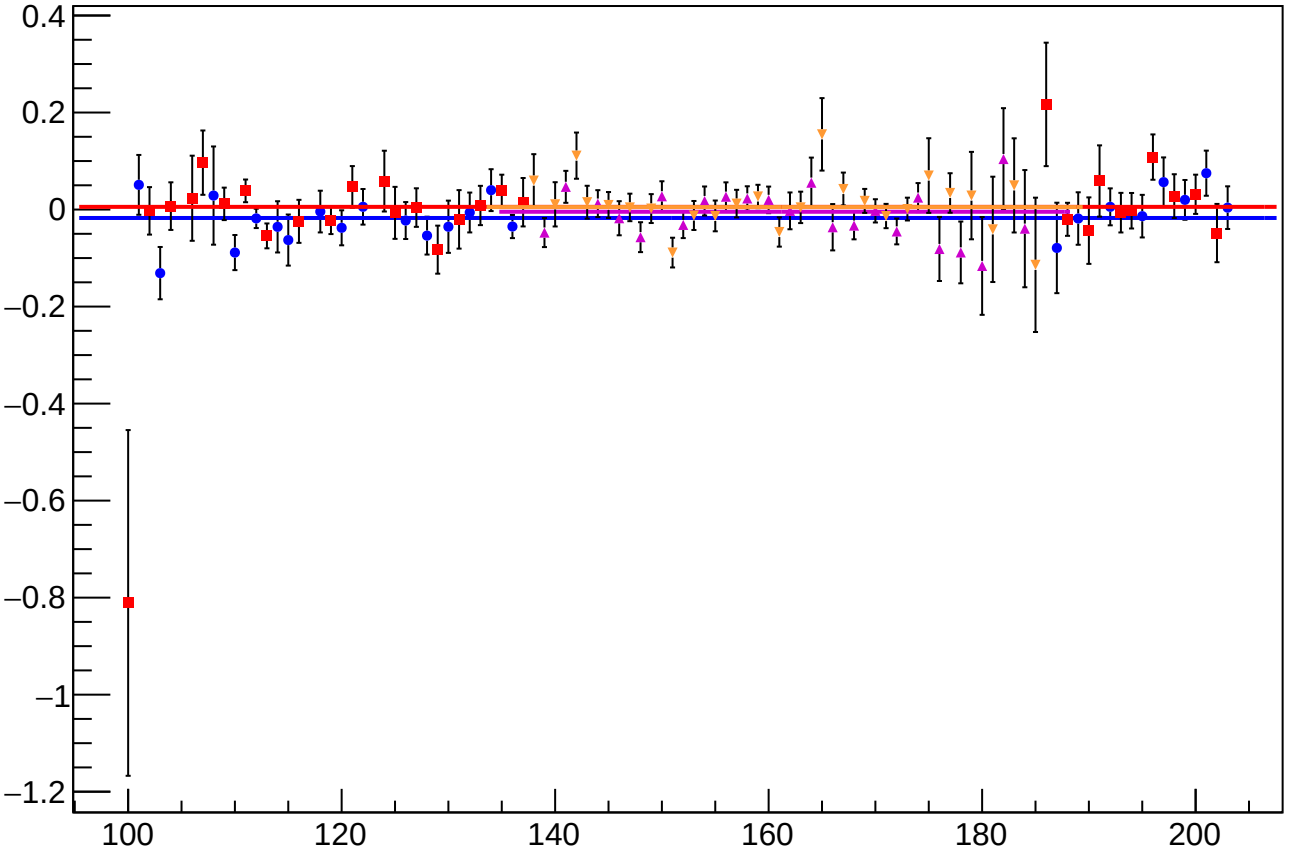
Left: 0.001+/-0.000 χ^2/NDF: 16167353.6/47

Right: 0.001+/-0.000 χ^2/NDF: 11554239.5/52

In: 0.001+/-0.000 χ^2/NDF:12066085.2/46

Out: 0.001+/-0.000 χ^2/NDF:15622040.1/53

All: 0.001+/-0.000 χ^2/NDF: 27729225.1/100



Right In: -0.017+/-0.008 χ^2/NDF: 22.7/23

Left Out: 0.005+/-0.007 χ^2/NDF:28.4/24

Right Out: 0.006+/-0.008 χ^2/NDF: 33.0/28

Left In: -0.005+/-0.007 χ^2/NDF:25.1/22

Left: 0.000+/-0.005 χ^2/NDF: 54.5/47

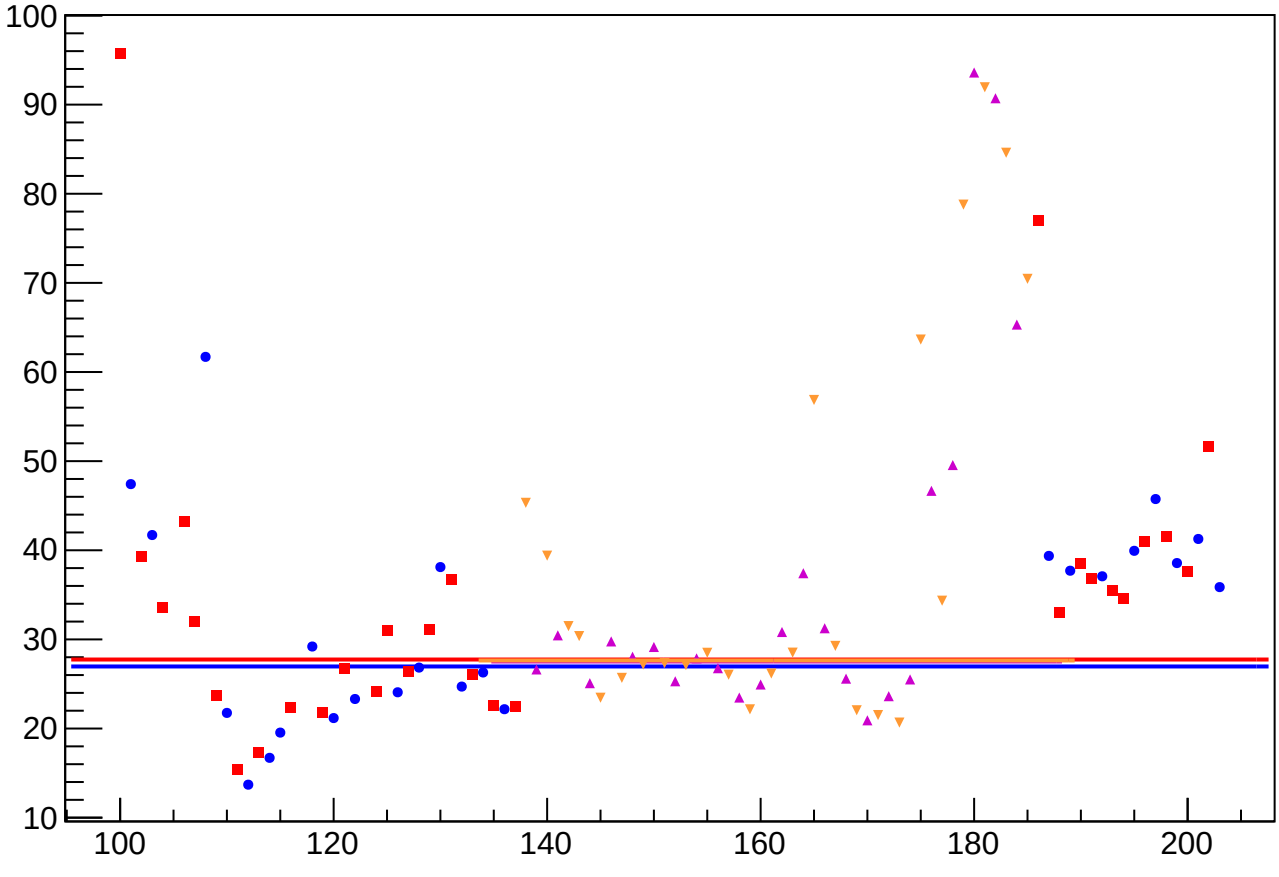
Right: -0.005+/-0.006 χ^2/NDF: 59.8/52

In: -0.010+/-0.005 χ^2/NDF:49.3/46

Out: 0.005+/-0.005 χ^2/NDF:61.4/53

All: -0.002+/-0.004 χ^2/NDF: 114.9/100

asym_sam_15_48_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 26.964+/-0.006 χ^2/NDF: 3042739.3/23

Left Out: 27.635+/-0.005 χ^2/NDF:3974025.3/24

Right Out: 27.744+/-0.006 χ^2/NDF: 2819208.2/28

Left In: 27.524+/-0.005 χ^2/NDF:2634508.8/22

Left: 27.581+/-0.003 χ^2/NDF: 6608790.9/47

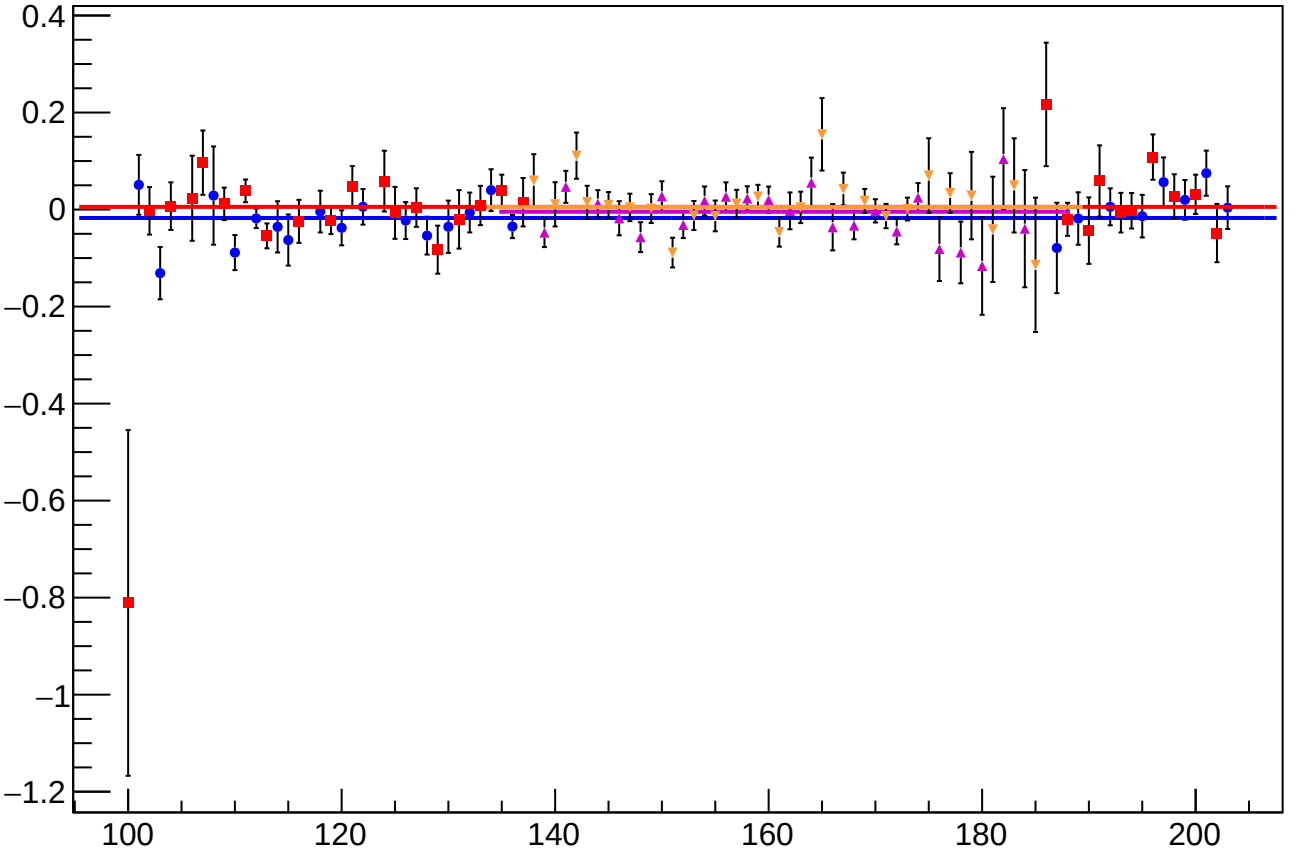
Right: 27.368+/-0.004 χ^2/NDF: 5871378.1/52

In: 27.288+/-0.004 χ^2/NDF:5682684.3/46

Out: 27.682+/-0.004 χ^2/NDF:6793449.7/53

All: 27.490+/-0.003 χ^2/NDF: 12481783.7/100

asym_sam_15_48_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.017+/-0.008 χ^2/NDF: 22.7/23

Left Out: 0.005+/-0.007 χ^2/NDF:28.4/24

Right Out: 0.006+/-0.008 χ^2/NDF: 33.0/28

Left In: -0.005+/-0.007 χ^2/NDF:25.1/22

Left: 0.000+/-0.005 χ^2/NDF: 54.5/47

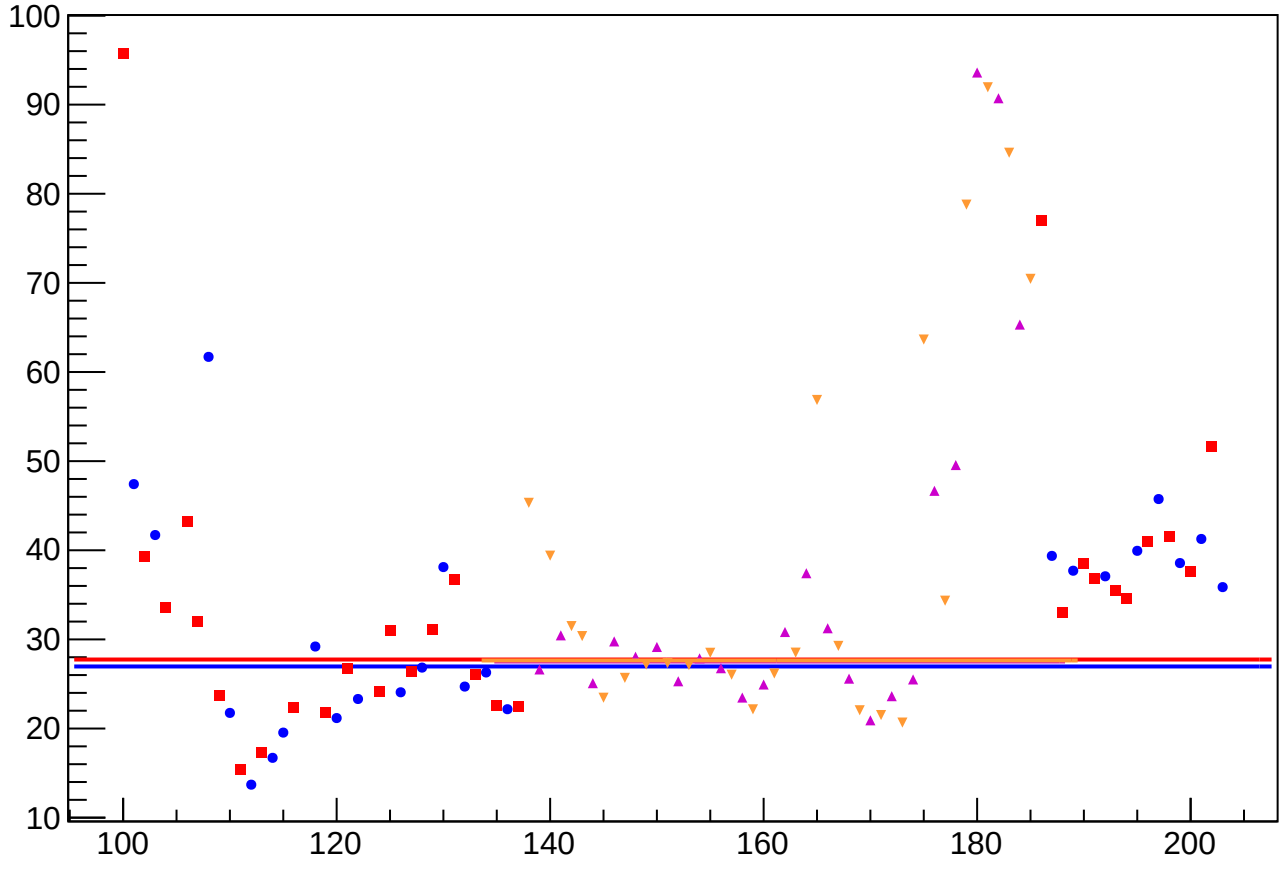
Right: -0.005+/-0.006 χ^2/NDF: 59.8/52

In: -0.010+/-0.005 χ^2/NDF:49.3/46

Out: 0.005+/-0.005 χ^2/NDF:61.4/53

All: -0.002+/-0.004 χ^2/NDF: 114.9/100

asym_sam_15_48_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 26.964+/-0.006 χ^2/NDF: 3042739.3/23

Left Out: 27.635+/-0.005 χ^2/NDF:3974025.3/24

Right Out: 27.744+/-0.006 χ^2/NDF: 2819208.2/28

Left In: 27.524+/-0.005 χ^2/NDF:2634508.8/22

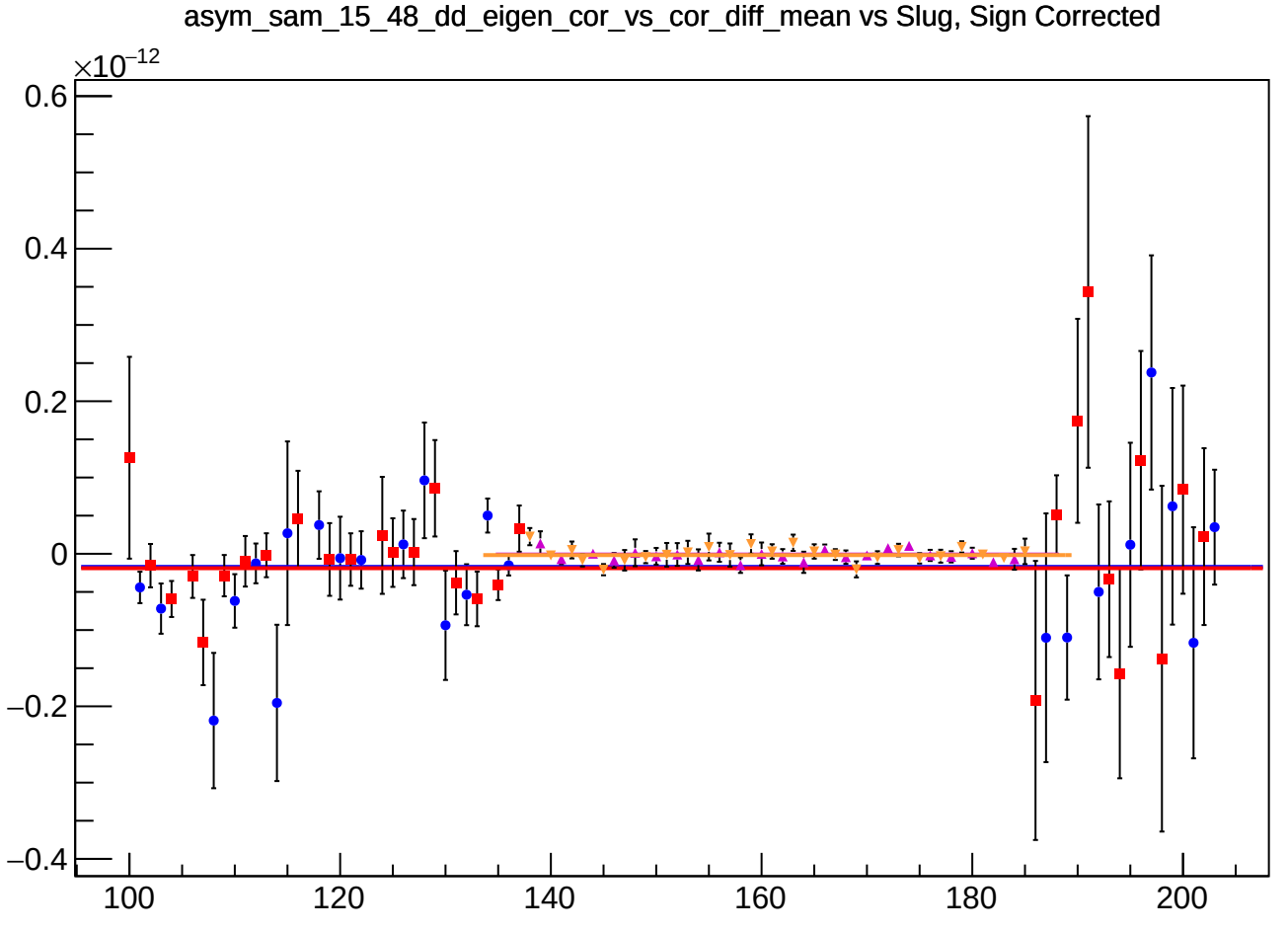
Left: 27.581+/-0.003 χ^2/NDF: 6608790.9/47

Right: 27.368+/-0.004 χ^2/NDF: 5871378.1/52

In: 27.288+/-0.004 χ^2/NDF:5682684.3/46

Out: 27.682+/-0.004 χ^2/NDF:6793449.7/53

All: 27.490+/-0.003 χ^2/NDF: 12481783.7/100



Right In: -0.000+/-0.000 χ^2/NDF: 35.5/23

Left Out: -0.000+/-0.000 χ^2/NDF:24.4/24

Right Out: -0.000+/-0.000 χ^2/NDF: 28.4/28

Left In: -0.000+/-0.000 χ^2/NDF:16.5/22

Left: -0.000+/-0.000 χ^2/NDF: 41.0/47

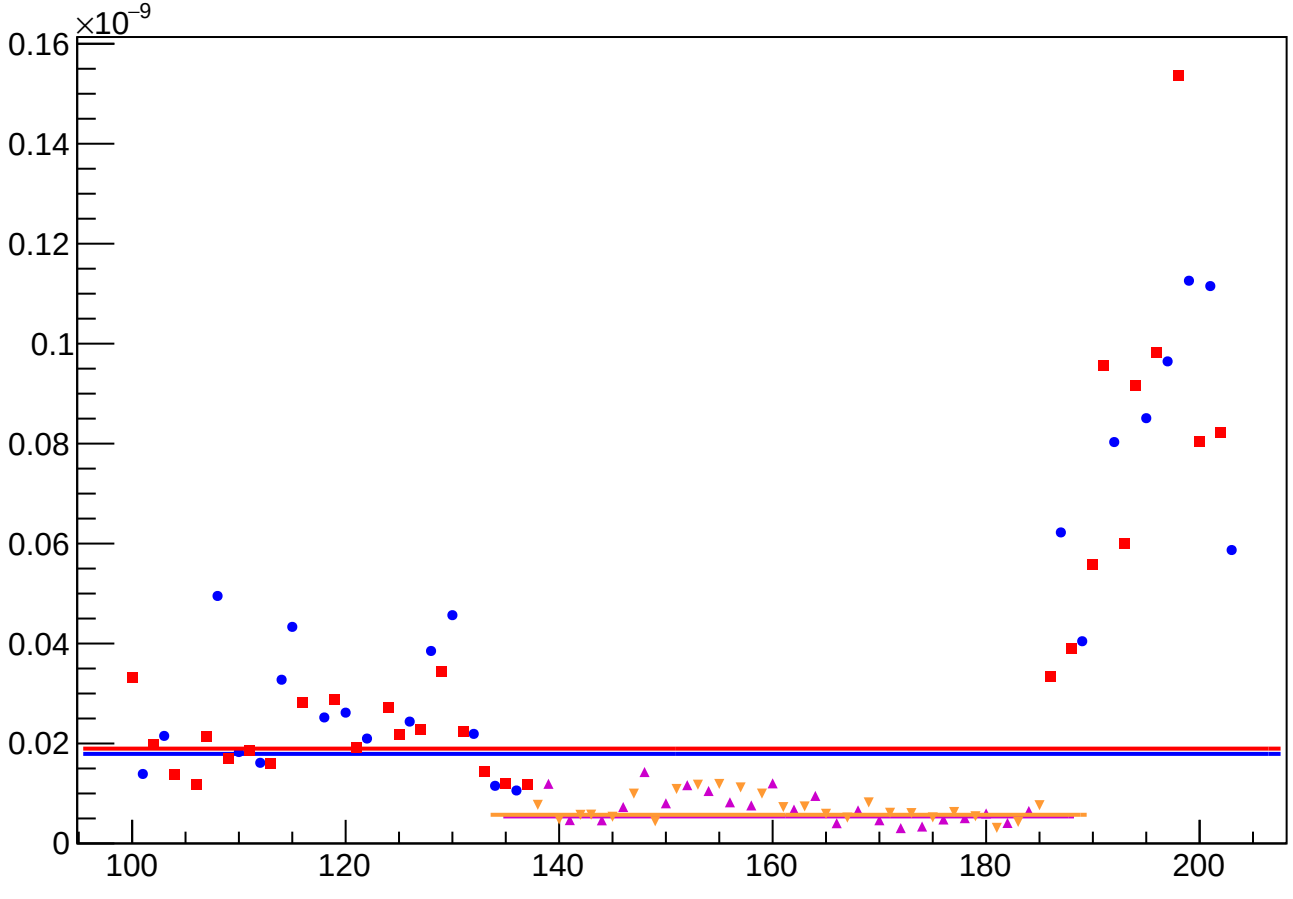
Right: -0.000+/-0.000 χ^2/NDF: 64.0/52

In: -0.000+/-0.000 χ^2/NDF:56.3/46

Out: -0.000+/-0.000 χ^2/NDF:57.6/53

All: -0.000+/-0.000 χ^2/NDF: 114.0/100

asym_sam_15_48_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 5904697.7/23

Left Out: 0.000+/-0.000 χ^2/NDF:2645460.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 4865227.5/28

Left In: 0.000+/-0.000 χ^2/NDF:3476696.9/22

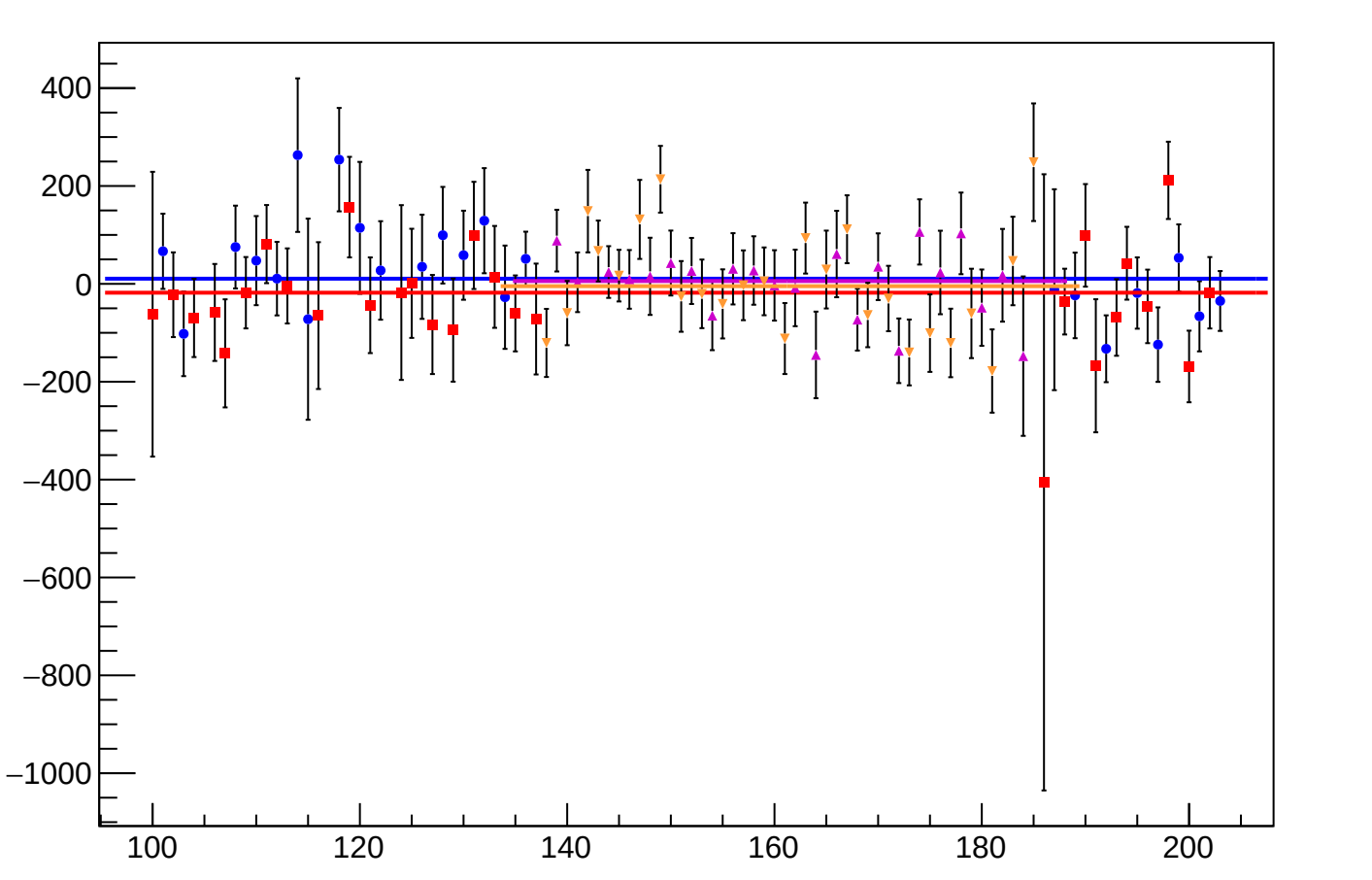
Left: 0.000+/-0.000 χ^2/NDF: 6159899.5/47

Right: 0.000+/-0.000 χ^2/NDF: 10788808.3/52

In: 0.000+/-0.000 χ^2/NDF:14513017.5/46

Out: 0.000+/-0.000 χ^2/NDF:13142906.6/53

All: 0.000+/-0.000 χ^2/NDF: 27701503.1/100



Right In: 10.558+/-17.497 χ^2/NDF: 24.6/23

Left Out: -4.742+/-14.432 χ^2/NDF:47.4/24

Right Out: -18.068+/-17.180 χ^2/NDF: 26.1/28

Left In: 5.776+/-14.931 χ^2/NDF:18.3/22

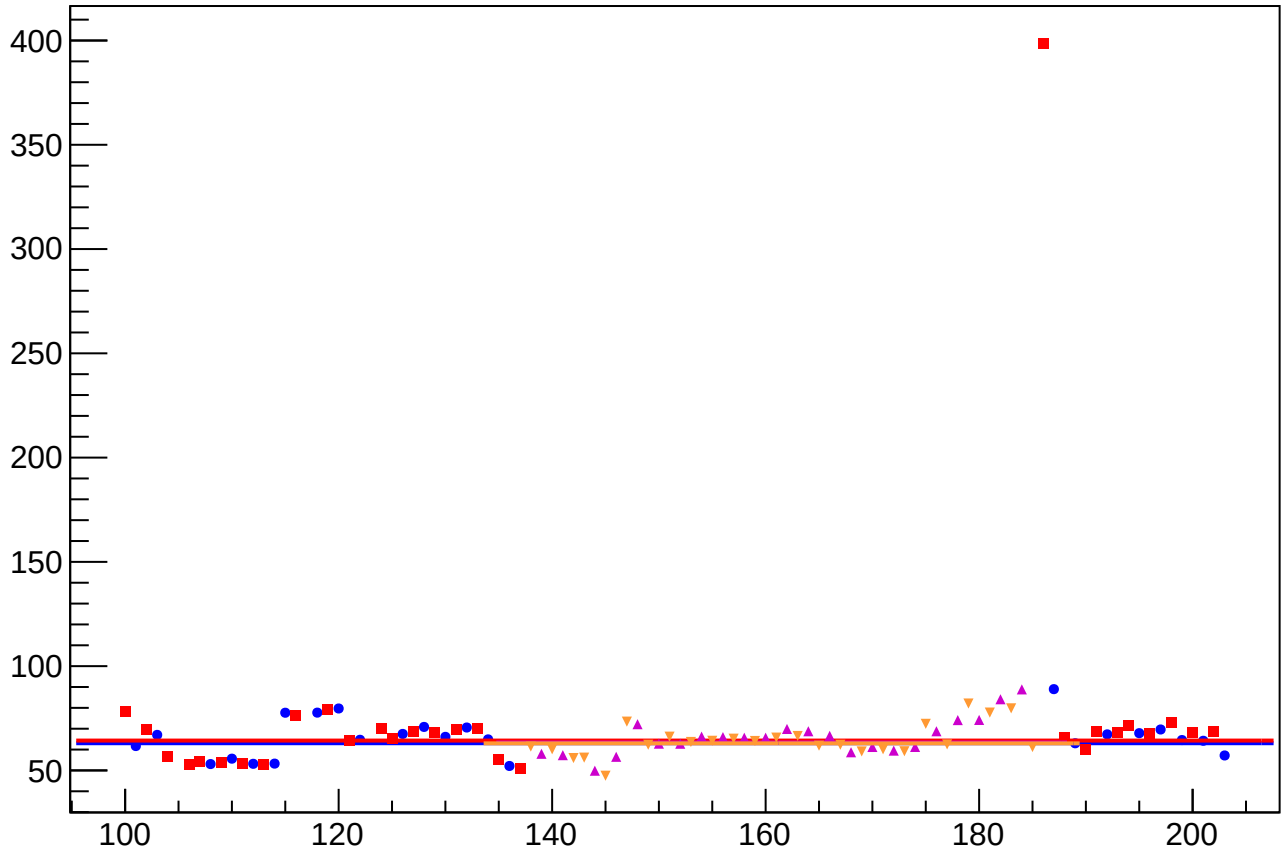
Left: 0.338+/-10.377 χ^2/NDF: 65.9/47

Right: -4.018+/-12.259 χ^2/NDF: 52.0/52

In: 7.791+/-11.358 χ^2/NDF:43.0/46

Out: -10.255+/-11.050 χ^2/NDF:73.8/53

All: -1.480+/-7.920 χ^2/NDF: 118.0/100



Right In: 63.043+/-0.012 χ^2/NDF: 357443.2/23

Left Out: 62.976+/-0.010 χ^2/NDF:526859.8/24

Right Out: 64.316+/-0.012 χ^2/NDF: 963100.4/28

Left In: 63.365+/-0.011 χ^2/NDF:496926.2/22

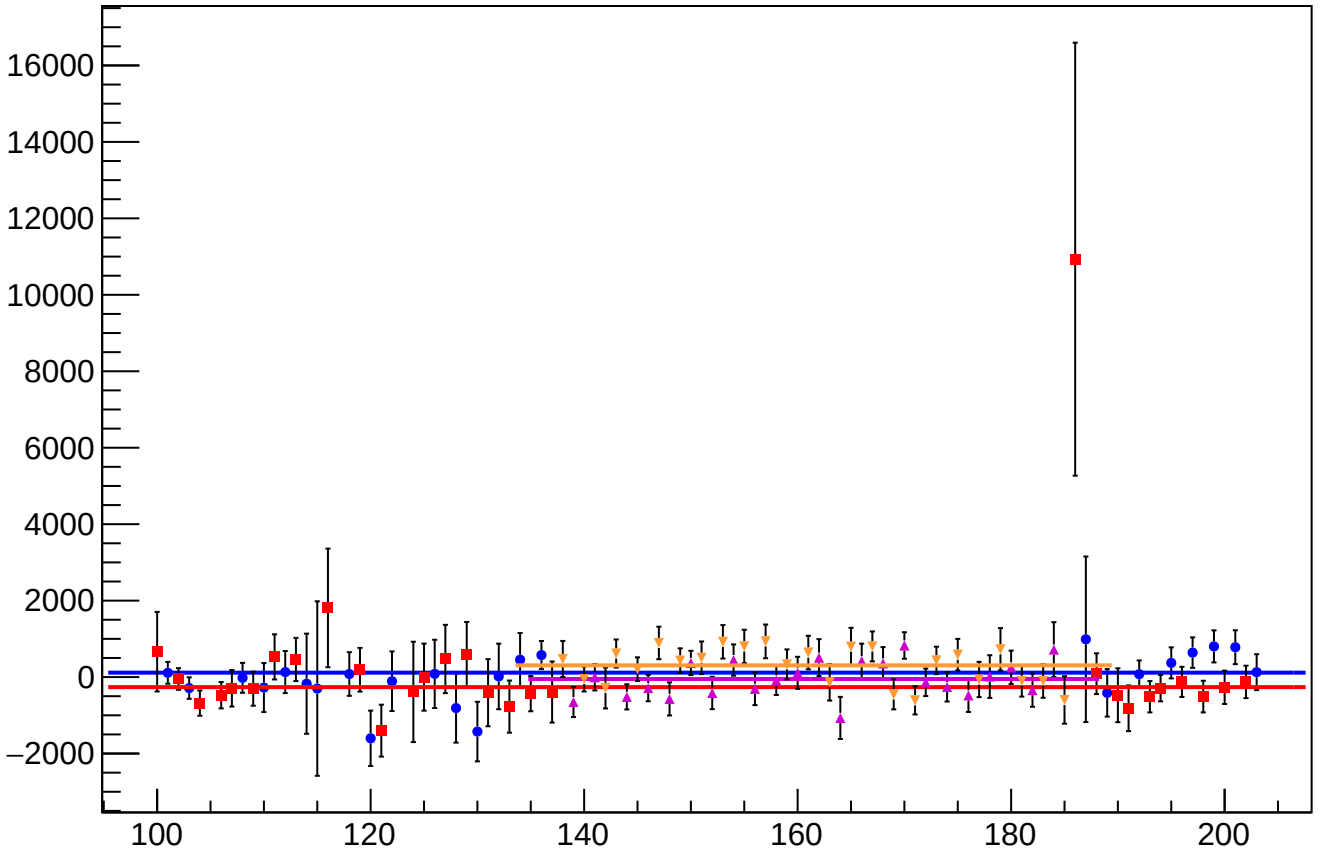
Left: 63.164+/-0.007 χ^2/NDF: 1024488.5/47

Right: 63.691+/-0.009 χ^2/NDF: 1325926.9/52

In: 63.230+/-0.008 χ^2/NDF:854761.2/46

Out: 63.530+/-0.008 χ^2/NDF:1497088.1/53

All: 63.384+/-0.006 χ^2/NDF: 2352569.0/100



Right In: 116.036+/-101.199 χ^2/NDF: 23.1/23

Left Out: 307.183+/-82.361 χ^2/NDF:30.6/24

Right Out: -262.538+/-94.462 χ^2/NDF: 20.8/28

Left In: -50.030+/-84.838 χ^2/NDF:27.3/22

Left: 133.867+/-59.094 χ^2/NDF: 67.0/47

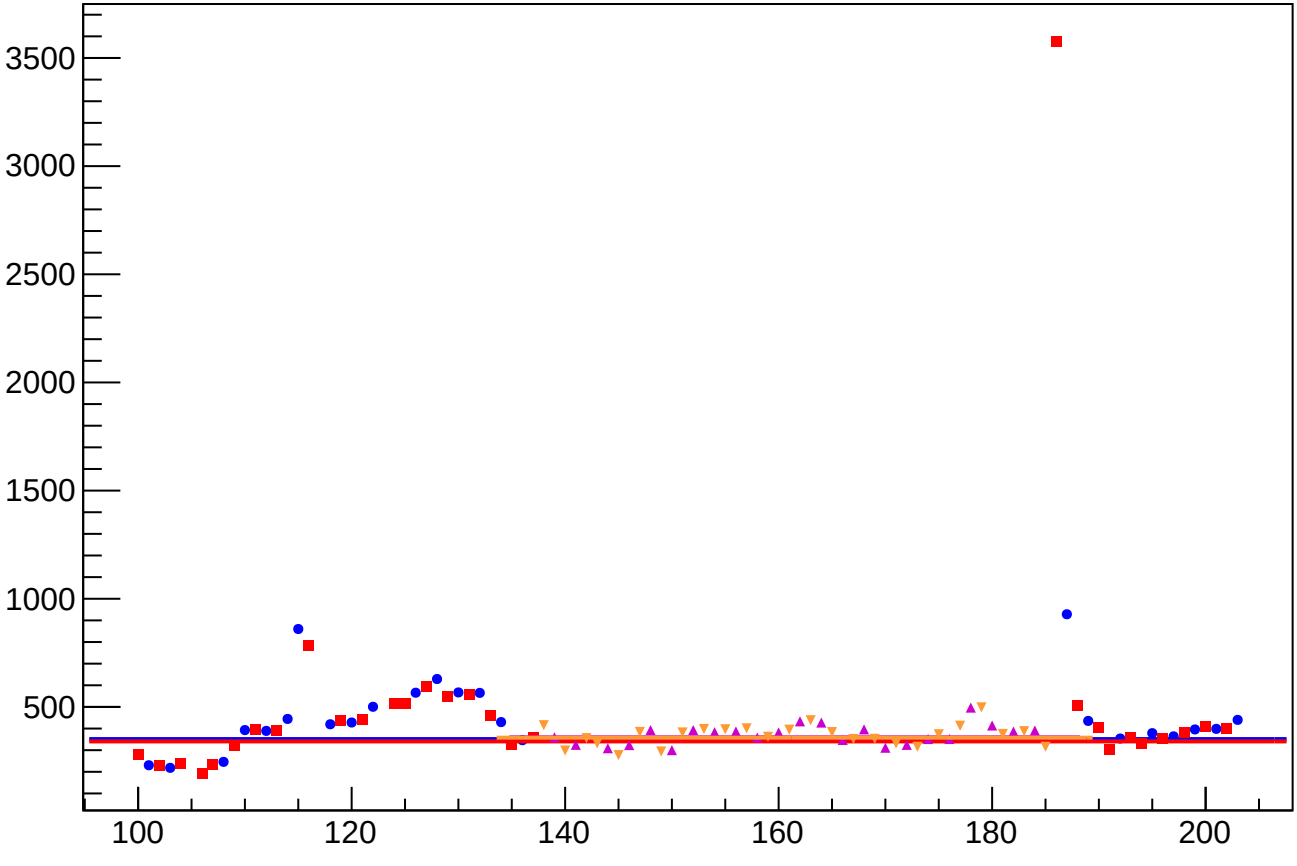
Right: -86.271+/-69.054 χ^2/NDF: 51.4/52

In: 18.510+/-65.014 χ^2/NDF:51.9/46

Out: 61.129+/-62.078 χ^2/NDF:72.1/53

All: 40.804+/-44.898 χ^2/NDF: 124.3/100

asym_sam_37_48_dd_reg_correction_rms vs Slug, Sign Corrected



Right In: 351.362+/-0.072 χ^2/NDF: 2115759.5/23

Left Out: 357.731+/-0.058 χ^2/NDF:683730.4/24

Right Out: 340.513+/-0.067 χ^2/NDF: 2875183.2/28

Left In: 359.350+/-0.060 χ^2/NDF:519759.9/22

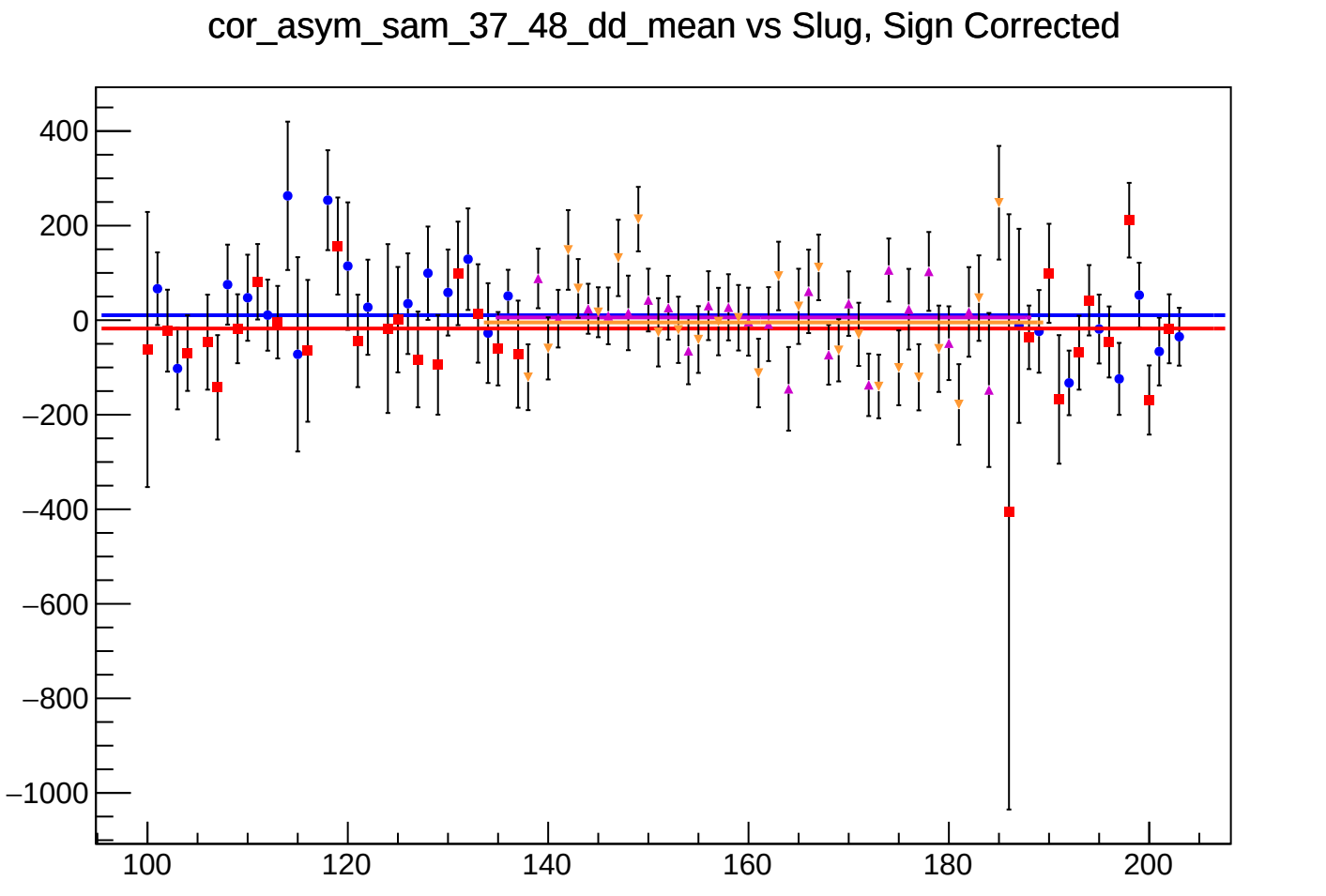
Left: 358.517+/-0.042 χ^2/NDF: 1203865.1/47

Right: 345.564+/-0.049 χ^2/NDF: 5003227.0/52

In: 356.053+/-0.046 χ^2/NDF:2642836.8/46

Out: 350.295+/-0.044 χ^2/NDF:3596666.2/53

All: 353.041+/-0.032 χ^2/NDF: 6247709.6/100



Right In: 10.551+/-17.497 χ^2/NDF: 24.6/23

Left Out: -4.748+/-14.432 χ^2/NDF:47.4/24

Right Out: -17.684+/-17.187 χ^2/NDF: 26.0/28

Left In: 5.775+/-14.931 χ^2/NDF:18.3/22

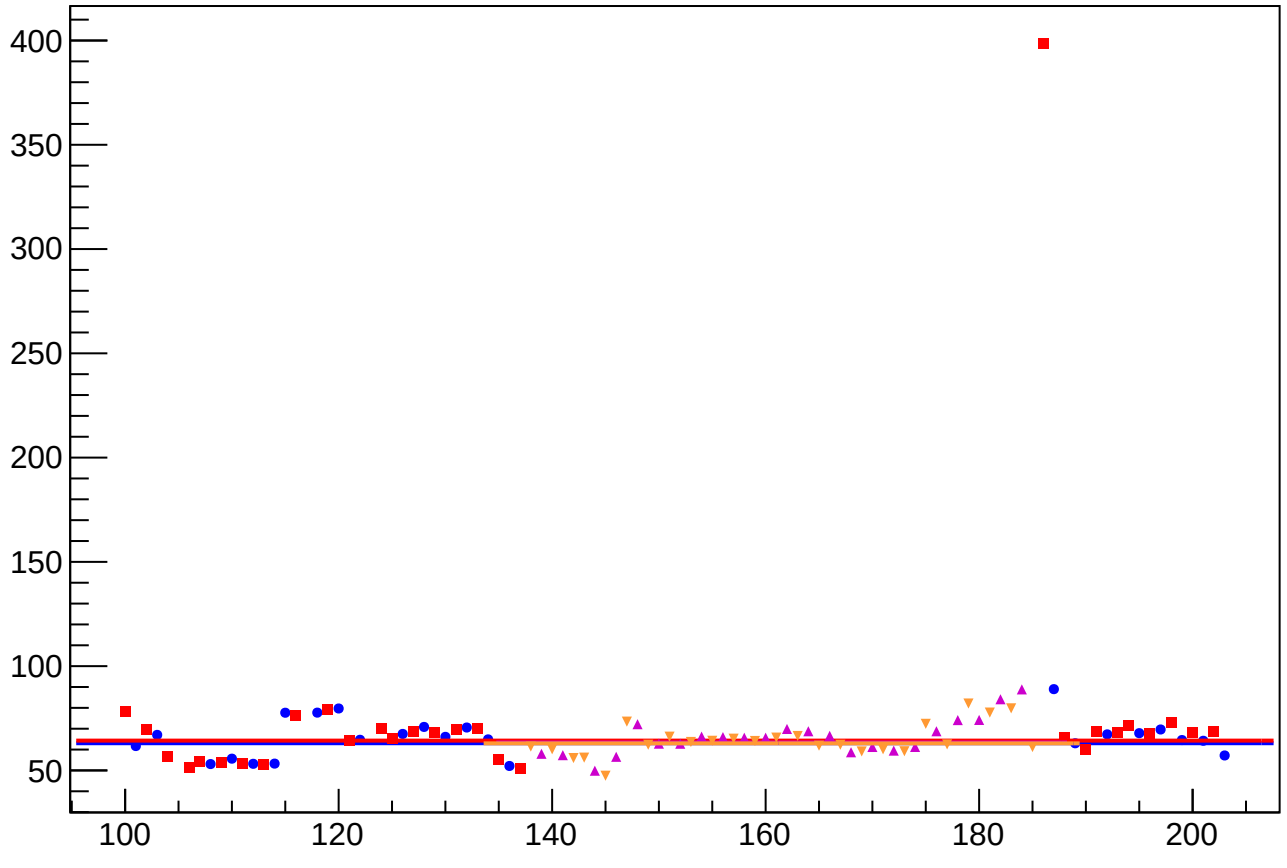
Left: 0.335+/-10.377 χ^2/NDF: 65.9/47

Right: -3.819+/-12.261 χ^2/NDF: 51.9/52

In: 7.788+/-11.358 χ^2/NDF:43.0/46

Out: -10.097+/-11.052 χ^2/NDF:73.7/53

All: -1.399+/-7.921 χ^2/NDF: 117.9/100



Right In: 63.043+/-0.012 χ^2/NDF: 357443.4/23

Left Out: 62.976+/-0.010 χ^2/NDF:526859.8/24

Right Out: 64.295+/-0.012 χ^2/NDF: 967508.1/28

Left In: 63.365+/-0.011 χ^2/NDF:496926.2/22

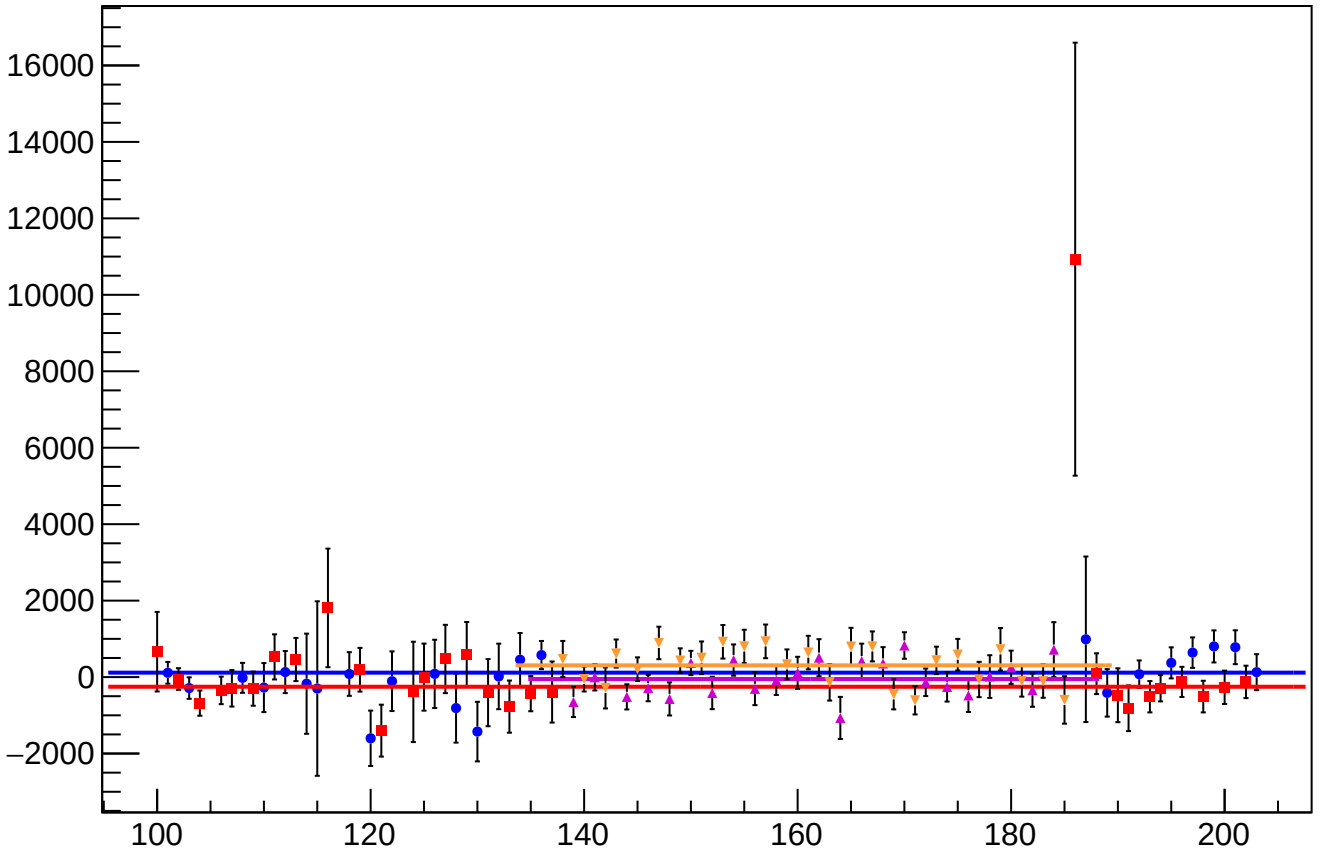
Left: 63.164+/-0.007 χ^2/NDF: 1024488.6/47

Right: 63.680+/-0.009 χ^2/NDF: 1330157.9/52

In: 63.230+/-0.008 χ^2/NDF:854761.4/46

Out: 63.521+/-0.008 χ^2/NDF:1501272.6/53

All: 63.380+/-0.006 χ^2/NDF: 2356711.7/100



Right In: 116.045+/-101.199 χ^2/NDF: 23.1/23

Left Out: 307.177+/-82.361 χ^2/NDF:30.6/24

Right Out: -252.552+/-94.780 χ^2/NDF: 20.5/28

Left In: -50.029+/-84.838 χ^2/NDF:27.3/22

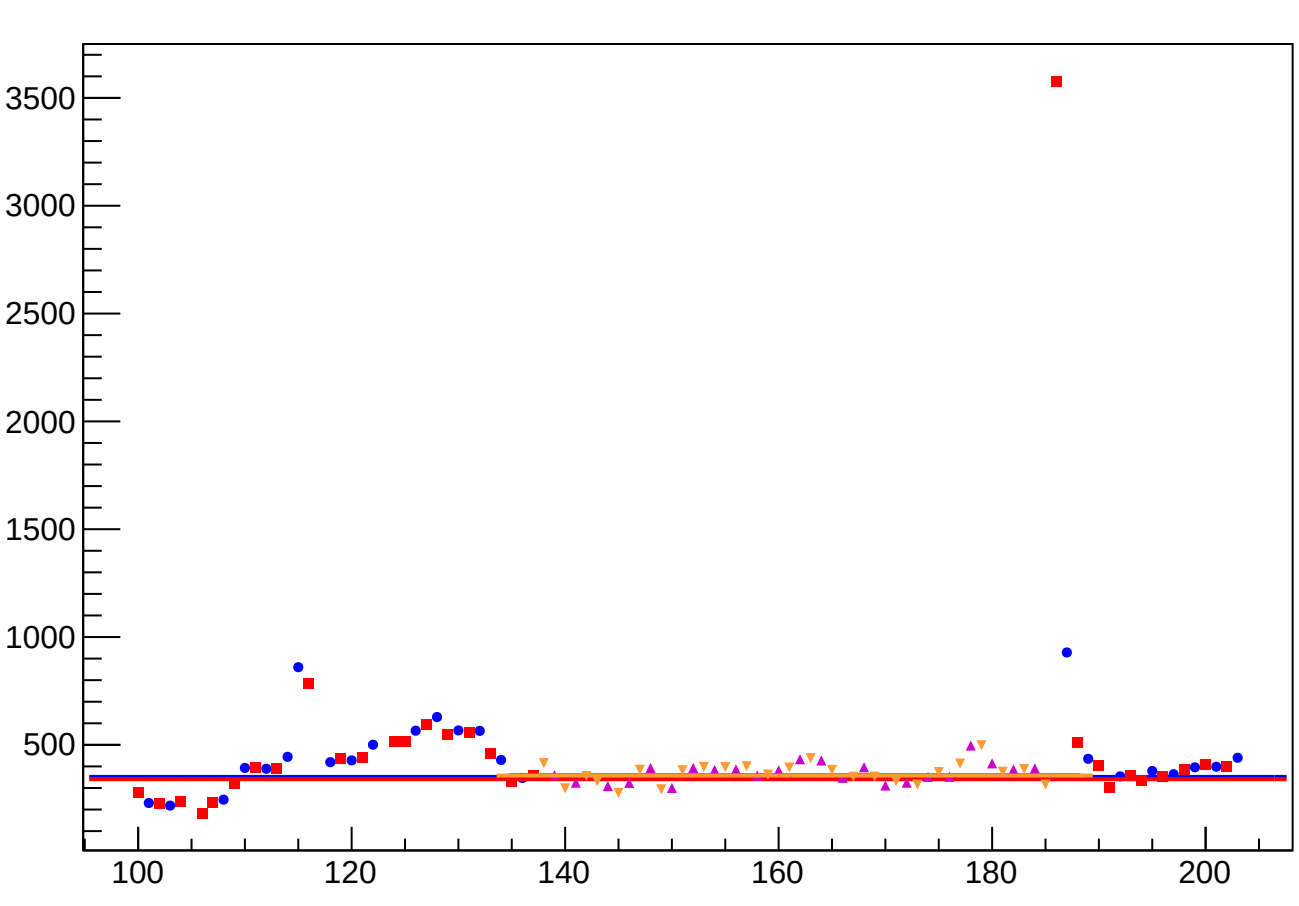
Left: 133.864+/-59.094 χ^2/NDF: 67.0/47

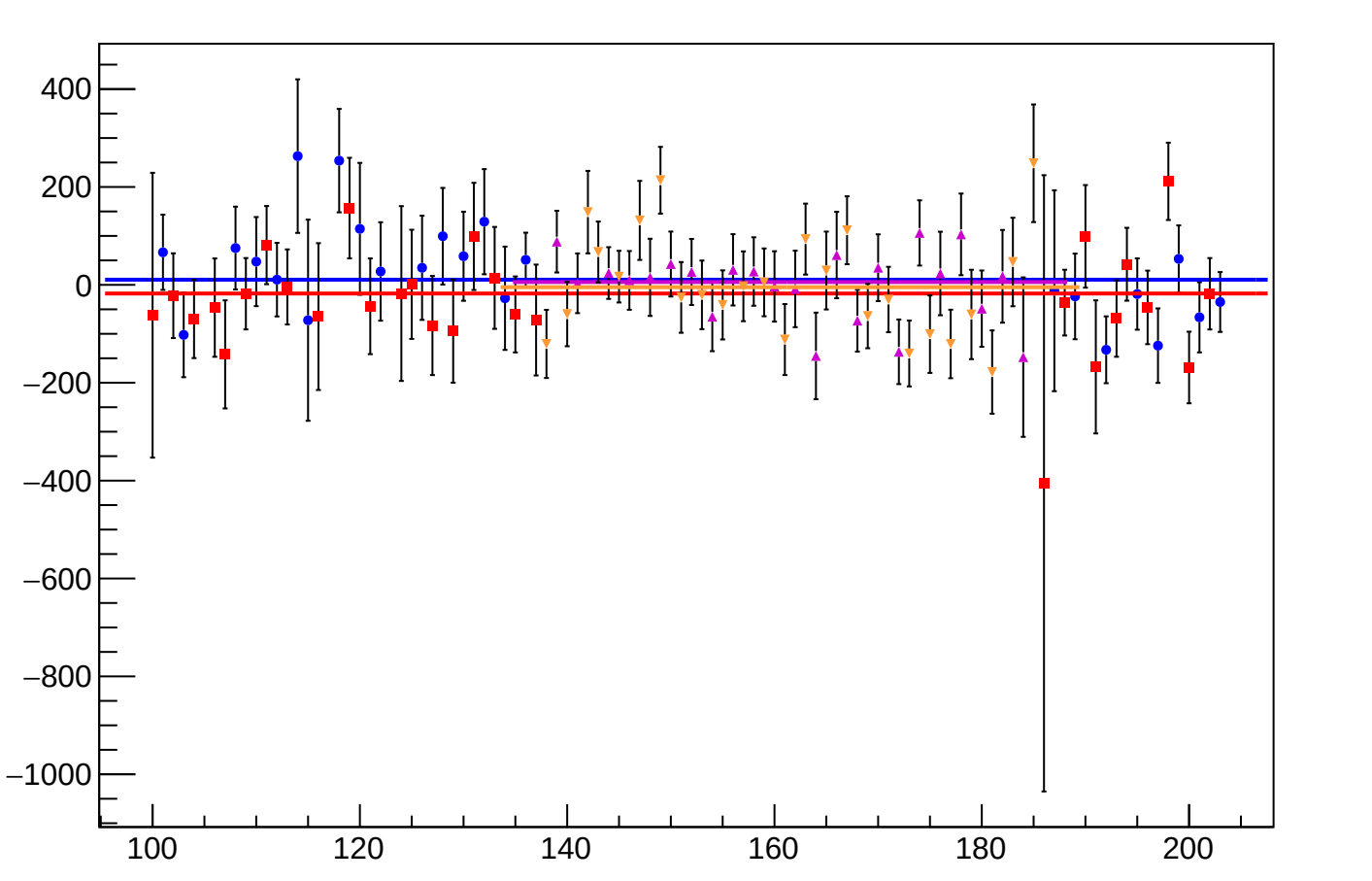
Right: -80.315+/-69.178 χ^2/NDF: 50.6/52

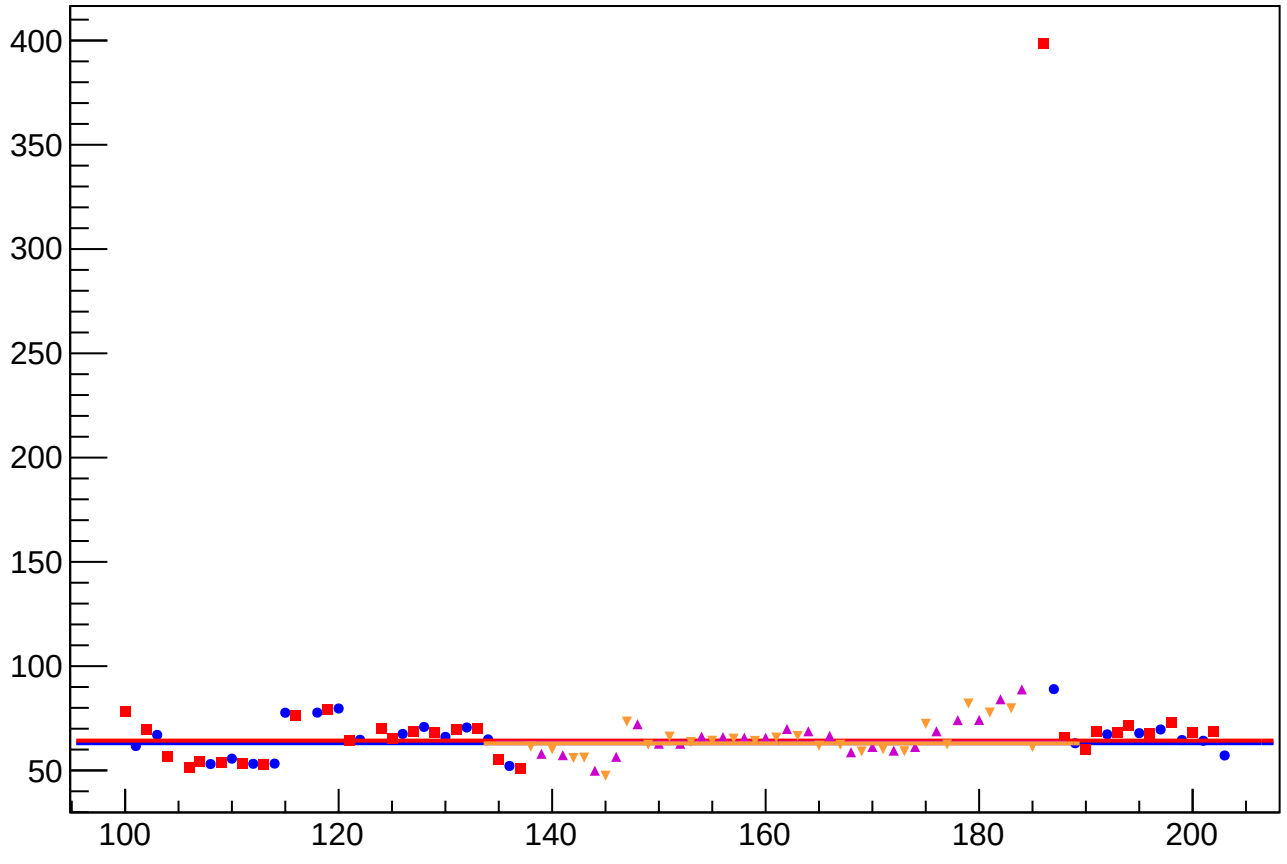
In: 18.515+/-65.015 χ^2/NDF:51.9/46

Out: 66.360+/-62.168 χ^2/NDF:71.0/53

All: 43.507+/-44.932 χ^2/NDF: 123.2/100


asym_sam_37_48_dd_cor_correction_rms vs Slug, Sign Corrected
3500
3000
2500
2000
1500
1000
500
100
120
140
160
180
200
Right In: 351.364+/-0.072 χ²/NDF: 2115680.5/23
Left Out: 357.732+/-0.058 χ²/NDF:683726.4/24
Right Out: 340.805+/-0.067 χ²/NDF: 2891188.4/28
Left In: 359.350+/-0.060 χ²/NDF:519762.7/22
Left: 358.517+/-0.042 χ²/NDF: 1203863.9/47
Right: 345.739+/-0.049 χ²/NDF: 5018468.2/52
In: 356.054+/-0.046 χ²/NDF:2642757.2/46
Out: 350.449+/-0.044 χ²/NDF:3611258.2/53
All: 353.126+/-0.032 χ²/NDF: 6261780.1/100


eigen_cor_asym_sam_37_48_dd_mean vs Slug, Sign Corrected
400
200
0
−200
−400
−600
−800
−1000
100
120
140
160
180
200
Right In: 10.551+/-17.497 χ²/NDF: 24.6/23
Left Out: -4.748+/-14.432 χ²/NDF:47.4/24
Right Out: -17.684+/-17.187 χ²/NDF: 26.0/28
Left In: 5.775+/-14.931 χ²/NDF:18.3/22
Left: 0.335+/-10.377 χ²/NDF: 65.9/47
Right: -3.819+/-12.261 χ²/NDF: 51.9/52
In: 7.788+/-11.358 χ²/NDF:43.0/46
Out: -10.097+/-11.052 χ²/NDF:73.7/53
All: -1.399+/-7.921 χ²/NDF: 117.9/100



Right In: 63.043+/-0.012 χ^2/NDF: 357443.4/23

Left Out: 62.976+/-0.010 χ^2/NDF:526859.8/24

Right Out: 64.295+/-0.012 χ^2/NDF: 967508.1/28

Left In: 63.365+/-0.011 χ^2/NDF:496926.2/22

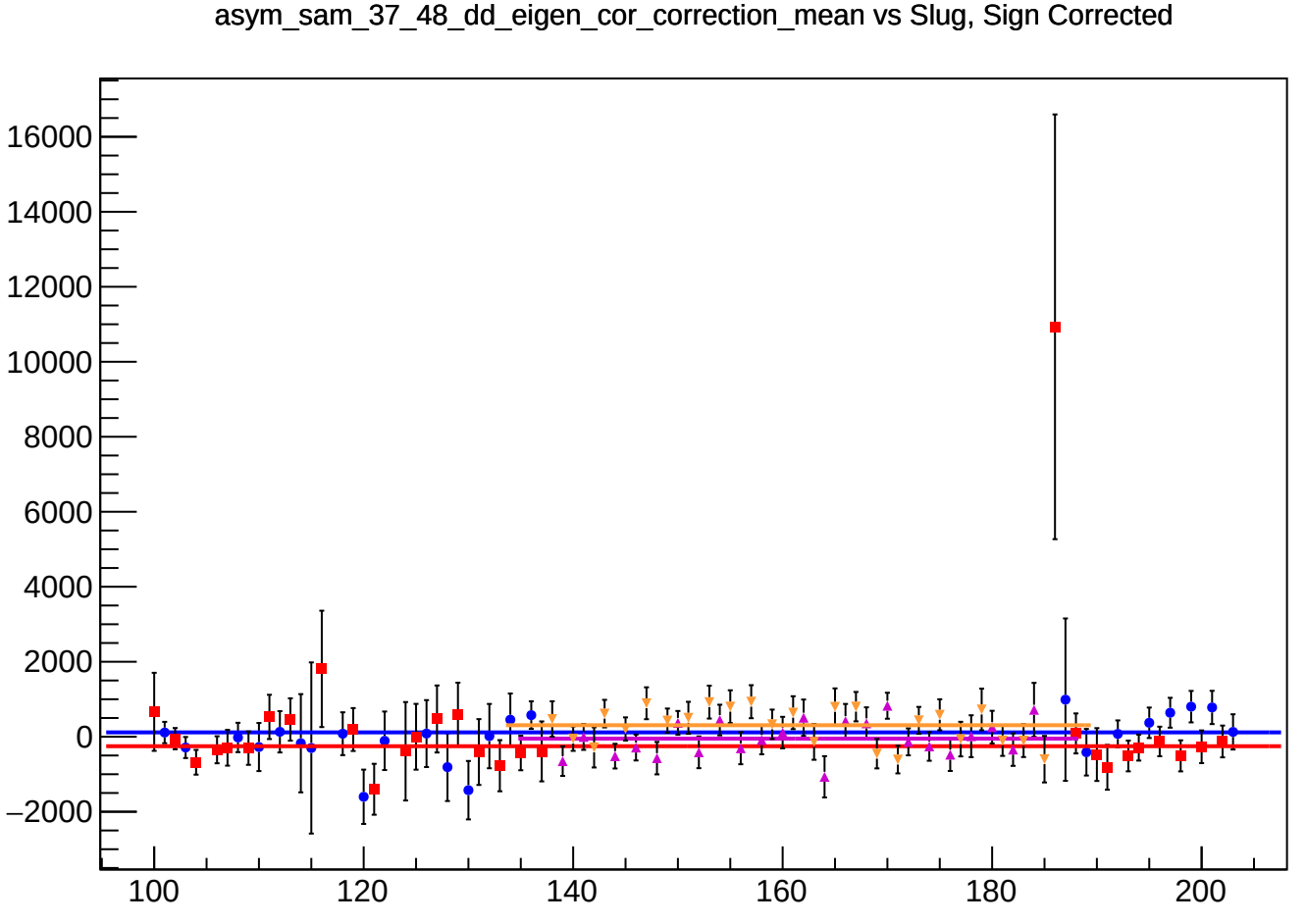
Left: 63.164+/-0.007 χ^2/NDF: 1024488.6/47

Right: 63.680+/-0.009 χ^2/NDF: 1330157.9/52

In: 63.230+/-0.008 χ^2/NDF:854761.4/46

Out: 63.521+/-0.008 χ^2/NDF:1501272.6/53

All: 63.380+/-0.006 χ^2/NDF: 2356711.7/100



Right In: 116.045+/-101.199 χ^2/NDF: 23.1/23

Left Out: 307.177+/-82.361 χ^2/NDF:30.6/24

Right Out: -252.552+/-94.780 χ^2/NDF: 20.5/28

Left In: -50.029+/-84.838 χ^2/NDF:27.3/22

Left: 133.864+/-59.094 χ^2/NDF: 67.0/47

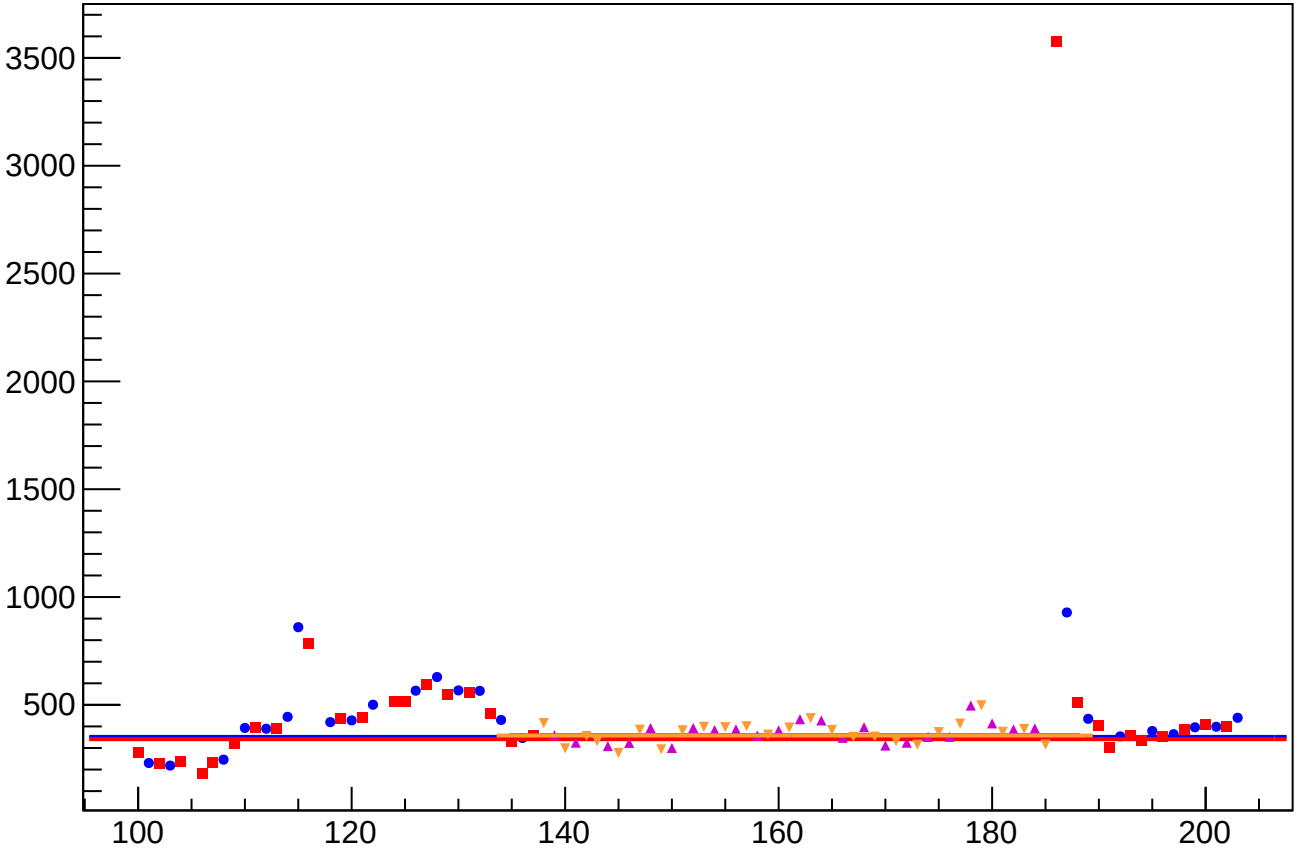
Right: -80.315+/-69.178 χ^2/NDF: 50.6/52

In: 18.515+/-65.015 χ^2/NDF:51.9/46

Out: 66.360+/-62.168 χ^2/NDF:71.0/53

All: 43.507+/-44.932 χ^2/NDF: 123.2/100

asym_sam_37_48_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 351.364+/-0.072 χ^2/NDF: 2115680.5/23

Left Out: 357.732+/-0.058 χ^2/NDF:683726.4/24

Right Out: 340.805+/-0.067 χ^2/NDF: 2891188.4/28

Left In: 359.350+/-0.060 χ^2/NDF:519762.7/22

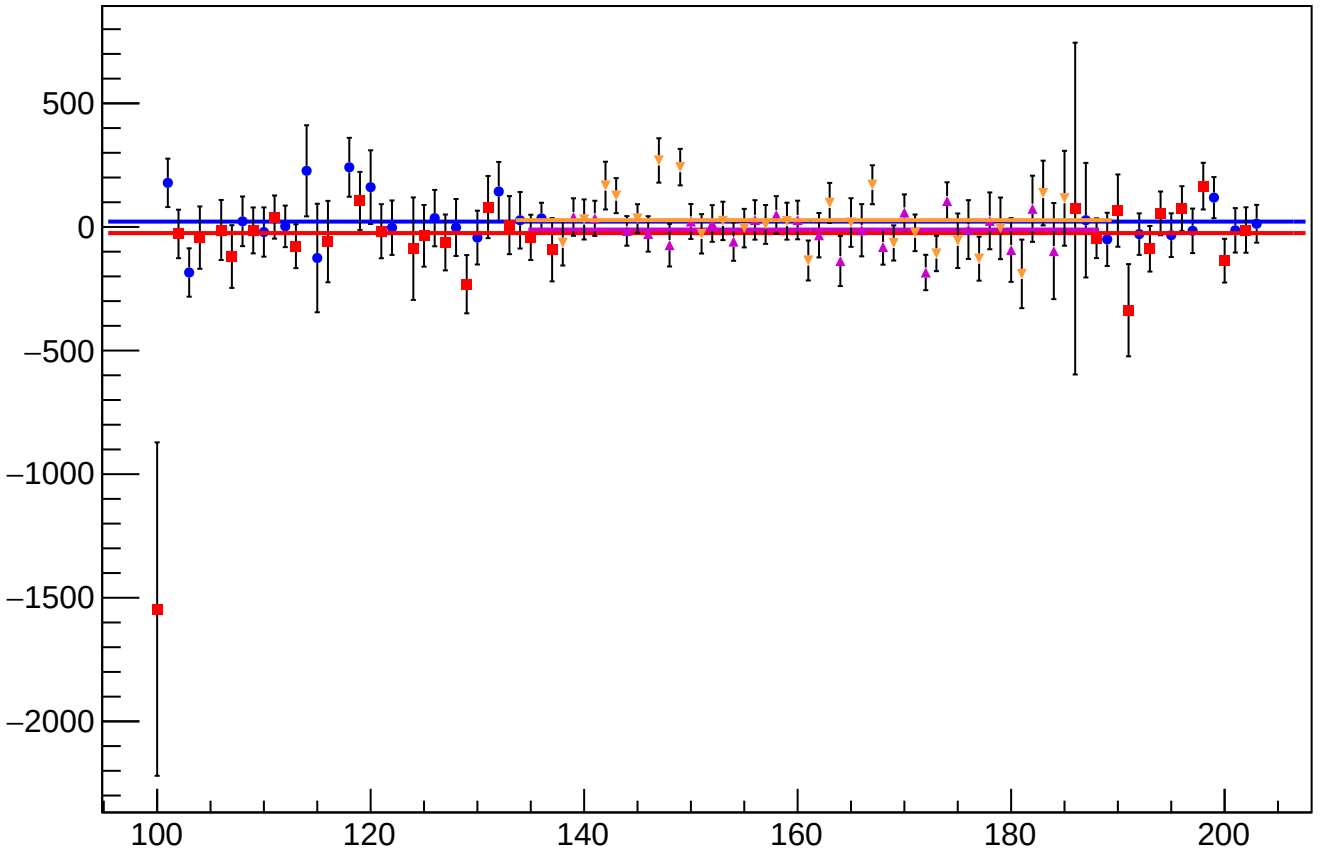
Left: 358.517+/-0.042 χ^2/NDF: 1203863.9/47

Right: 345.739+/-0.049 χ^2/NDF: 5018468.2/52

In: 356.054+/-0.046 χ^2/NDF:2642757.2/46

Out: 350.449+/-0.044 χ^2/NDF:3611258.2/53

All: 353.126+/-0.032 χ^2/NDF: 6261780.1/100



Right In: 21.703+/-20.537 χ^2/NDF: 17.6/23

Left Out: 27.627+/-16.742 χ^2/NDF:42.4/24

Right Out: -24.647+/-20.506 χ^2/NDF: 23.7/28

Left In: -10.521+/-17.225 χ^2/NDF:16.1/22

Left: 9.095+/-12.006 χ^2/NDF: 60.9/47

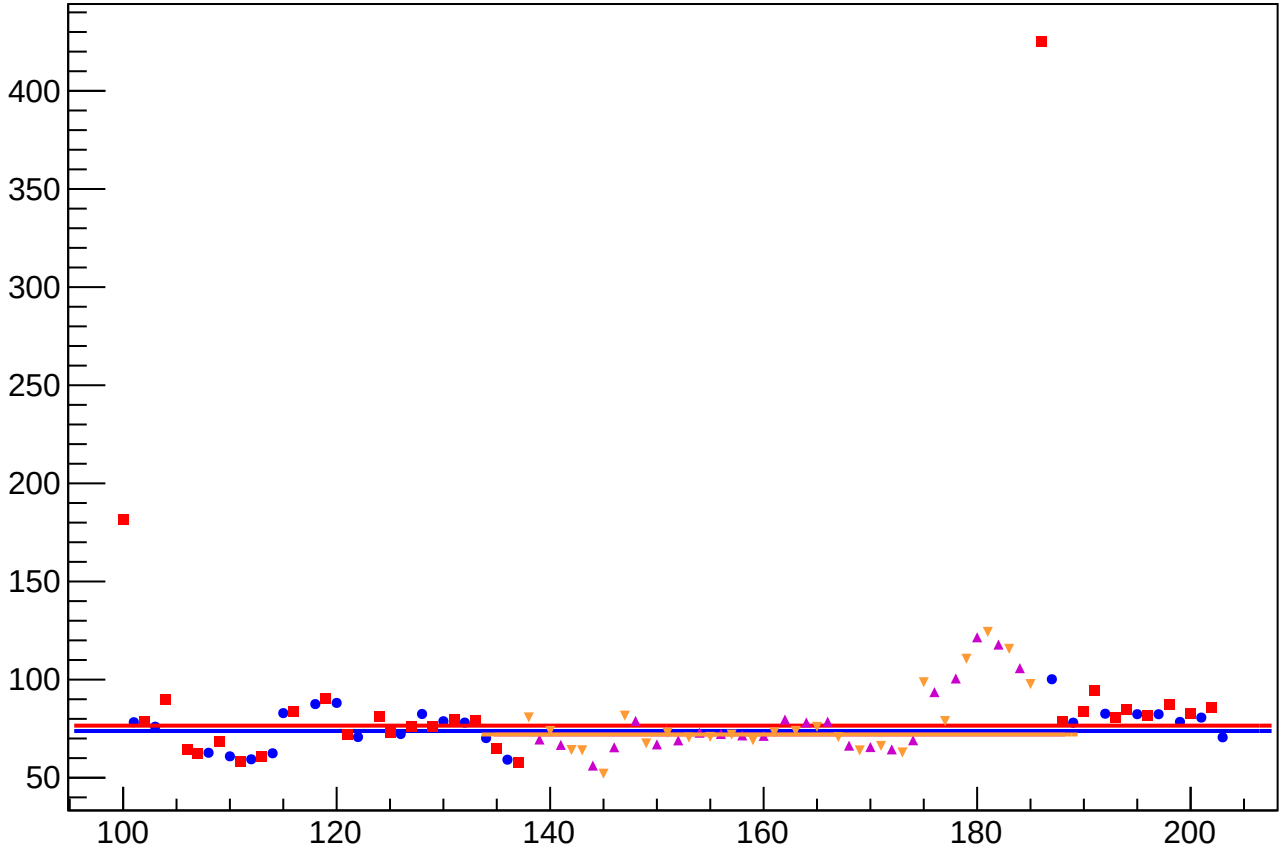
Right: -1.508+/-14.511 χ^2/NDF: 43.9/52

In: 2.786+/-13.198 χ^2/NDF:35.1/46

Out: 6.718+/-12.969 χ^2/NDF:69.9/53

All: 4.787+/-9.250 χ^2/NDF: 105.1/100

dit_asym_sam_37_48_dd_rms vs Slug, Sign Corrected



Right In: 73.816+/-0.015 χ^2/NDF: 416664.9/23

Left Out: 72.041+/-0.012 χ^2/NDF:1269471.8/24

Right Out: 76.550+/-0.014 χ^2/NDF: 1045893.9/28

Left In: 72.092+/-0.012 χ^2/NDF:1058857.2/22

Left: 72.066+/-0.008 χ^2/NDF: 2328338.2/47

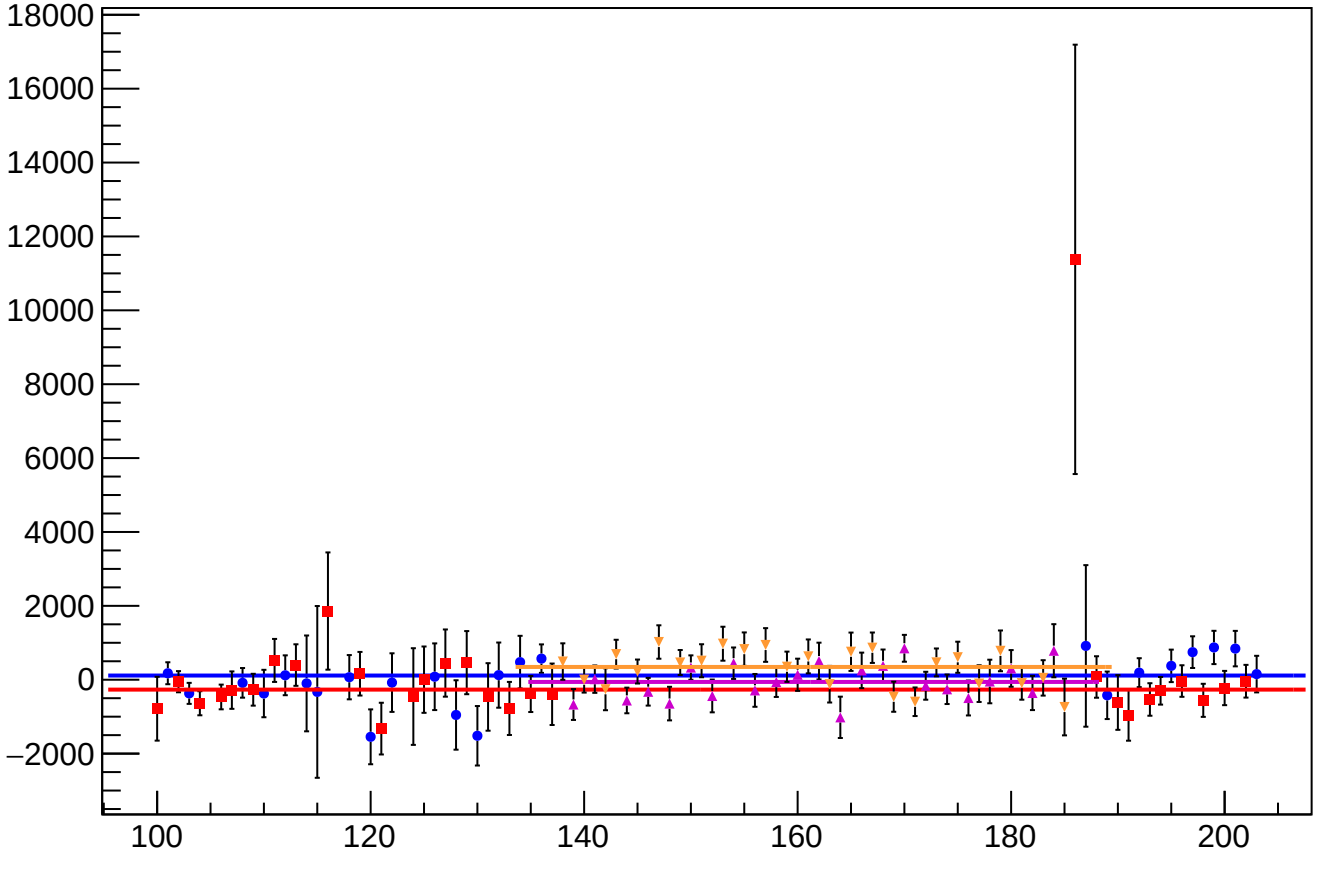
Right: 75.185+/-0.010 χ^2/NDF: 1480301.2/52

In: 72.804+/-0.009 χ^2/NDF:1483798.1/46

Out: 73.844+/-0.009 χ^2/NDF:2373394.5/53

All: 73.333+/-0.007 χ^2/NDF: 3863512.6/100

asym_sam_37_48_dd_dit_correction_mean vs Slug, Sign Corrected



Right In: 113.428+/-105.554 χ^2/NDF: 24.5/23

Left Out: 345.973+/-86.822 χ^2/NDF:28.9/24

Right Out: -267.439+/-97.380 χ^2/NDF: 19.5/28

Left In: -59.908+/-89.411 χ^2/NDF:25.8/22

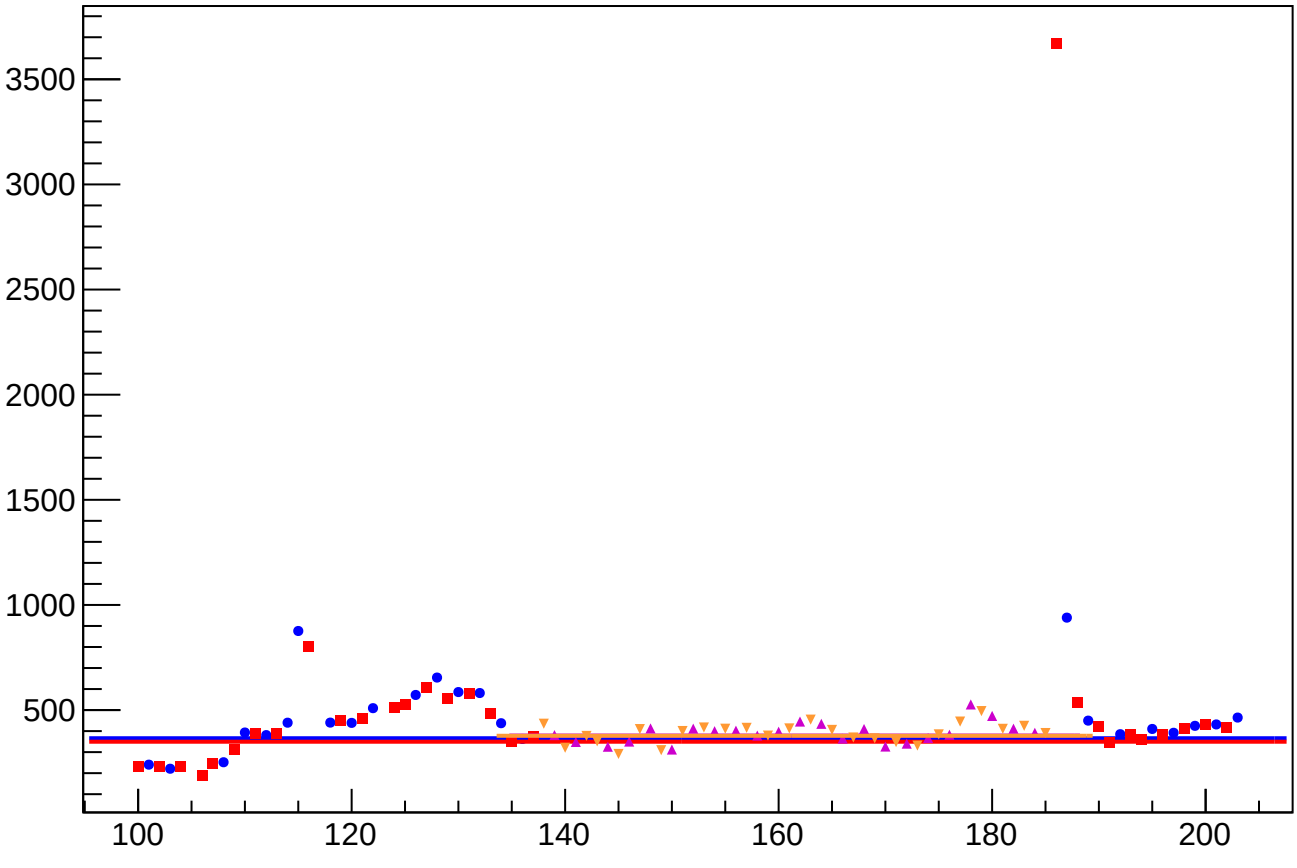
Left: 148.994+/-62.288 χ^2/NDF: 65.4/47

Right: -92.322+/-71.574 χ^2/NDF: 51.0/52

In: 12.506+/-68.225 χ^2/NDF:51.9/46

Out: 74.310+/-64.805 χ^2/NDF:70.6/53

All: 44.996+/-46.987 χ^2/NDF: 122.9/100



Right In: 366.087+/-0.075 χ^2/NDF: 2198213.8/23

Left Out: 377.797+/-0.061 χ^2/NDF:636714.9/24

Right Out: 349.484+/-0.069 χ^2/NDF: 3151605.5/28

Left In: 378.869+/-0.063 χ^2/NDF:527685.1/22

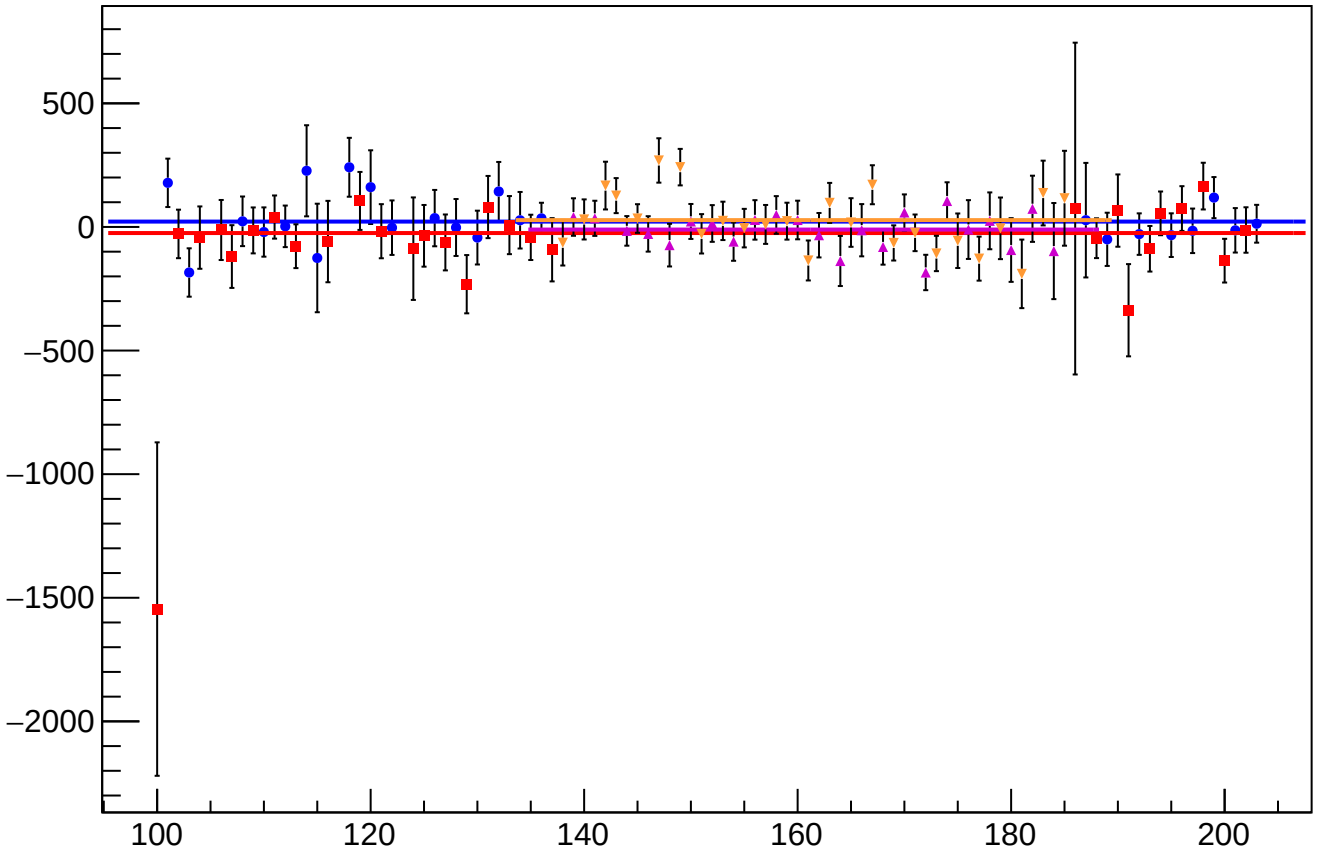
Left: 378.317+/-0.044 χ^2/NDF: 1164548.1/47

Right: 357.118+/-0.051 χ^2/NDF: 5376551.7/52

In: 373.529+/-0.048 χ^2/NDF:2742974.3/46

Out: 365.258+/-0.046 χ^2/NDF:3882511.5/53

All: 369.181+/-0.033 χ^2/NDF: 6640940.5/100



Right In: 21.704+/-20.537 χ^2/NDF: 17.6/23

Left Out: 27.626+/-16.742 χ^2/NDF:42.4/24

Right Out: -24.647+/-20.506 χ^2/NDF: 23.7/28

Left In: -10.521+/-17.225 χ^2/NDF:16.1/22

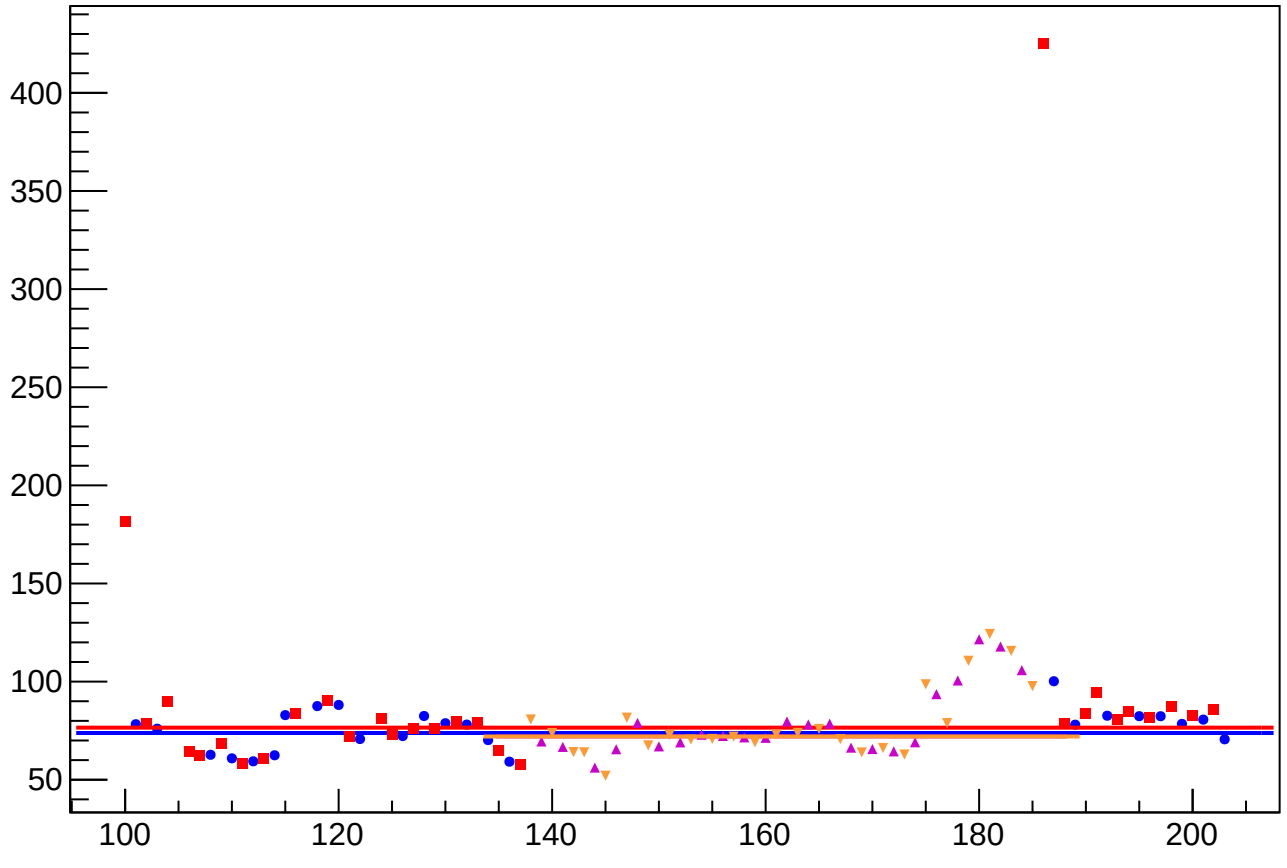
Left: 9.095+/-12.006 χ^2/NDF: 60.9/47

Right: -1.507+/-14.511 χ^2/NDF: 43.9/52

In: 2.786+/-13.198 χ^2/NDF:35.1/46

Out: 6.718+/-12.969 χ^2/NDF:69.9/53

All: 4.786+/-9.250 χ^2/NDF: 105.1/100



Right In: 73.816+/-0.015 χ^2/NDF: 416661.8/23

Left Out: 72.041+/-0.012 χ^2/NDF:1269479.1/24

Right Out: 76.550+/-0.014 χ^2/NDF: 1045891.9/28

Left In: 72.092+/-0.012 χ^2/NDF:1058847.4/22

Left: 72.066+/-0.008 χ^2/NDF: 2328335.7/47

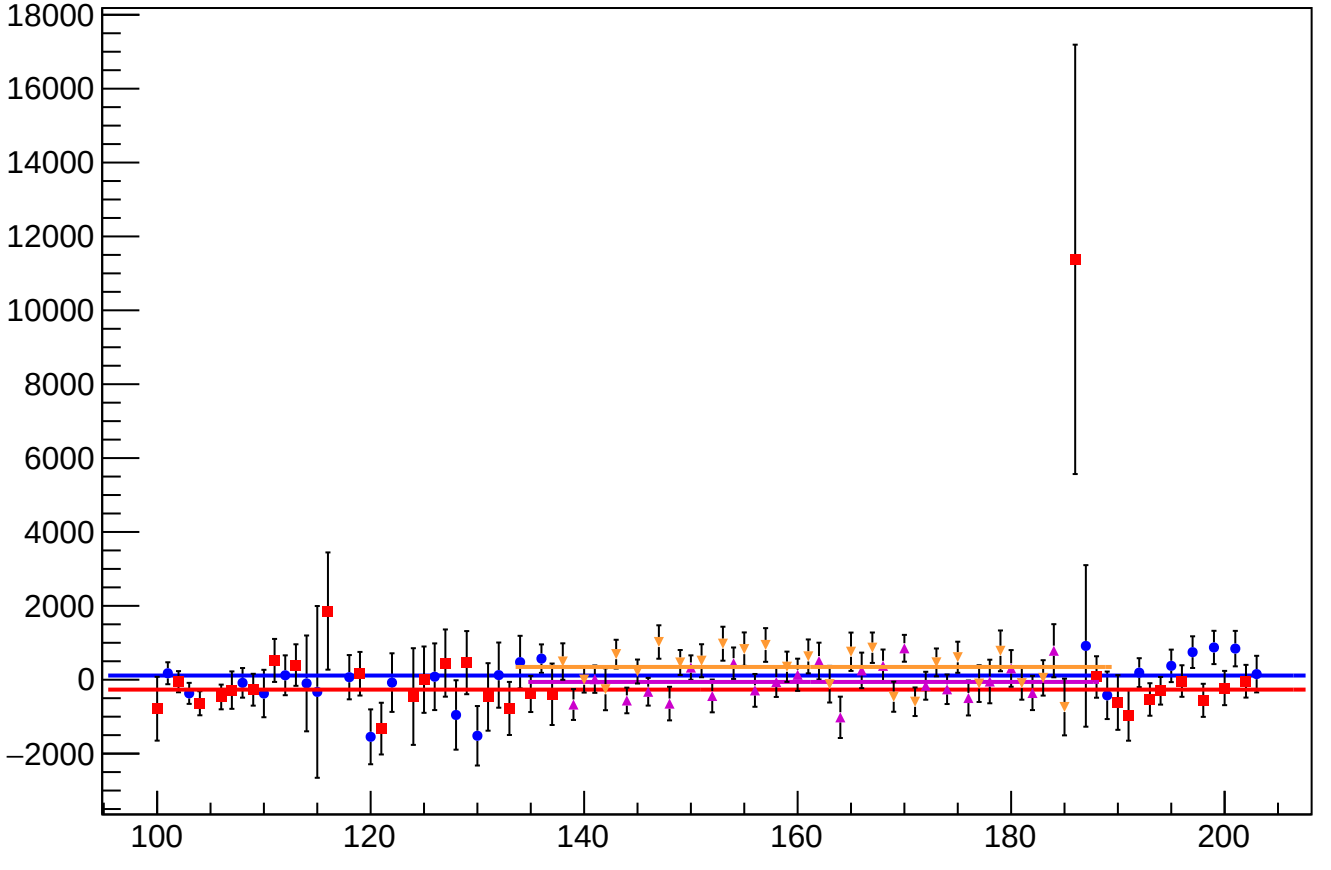
Right: 75.185+/-0.010 χ^2/NDF: 1480295.9/52

In: 72.804+/-0.009 χ^2/NDF:1483785.2/46

Out: 73.844+/-0.009 χ^2/NDF:2373399.3/53

All: 73.333+/-0.007 χ^2/NDF: 3863504.4/100

asym_sam_37_48_dd_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: 113.428+/-105.554 χ^2/NDF: 24.5/23

Left Out: 345.972+/-86.822 χ^2/NDF:28.9/24

Right Out: -267.439+/-97.380 χ^2/NDF: 19.5/28

Left In: -59.907+/-89.411 χ^2/NDF:25.8/22

Left: 148.994+/-62.288 χ^2/NDF: 65.4/47

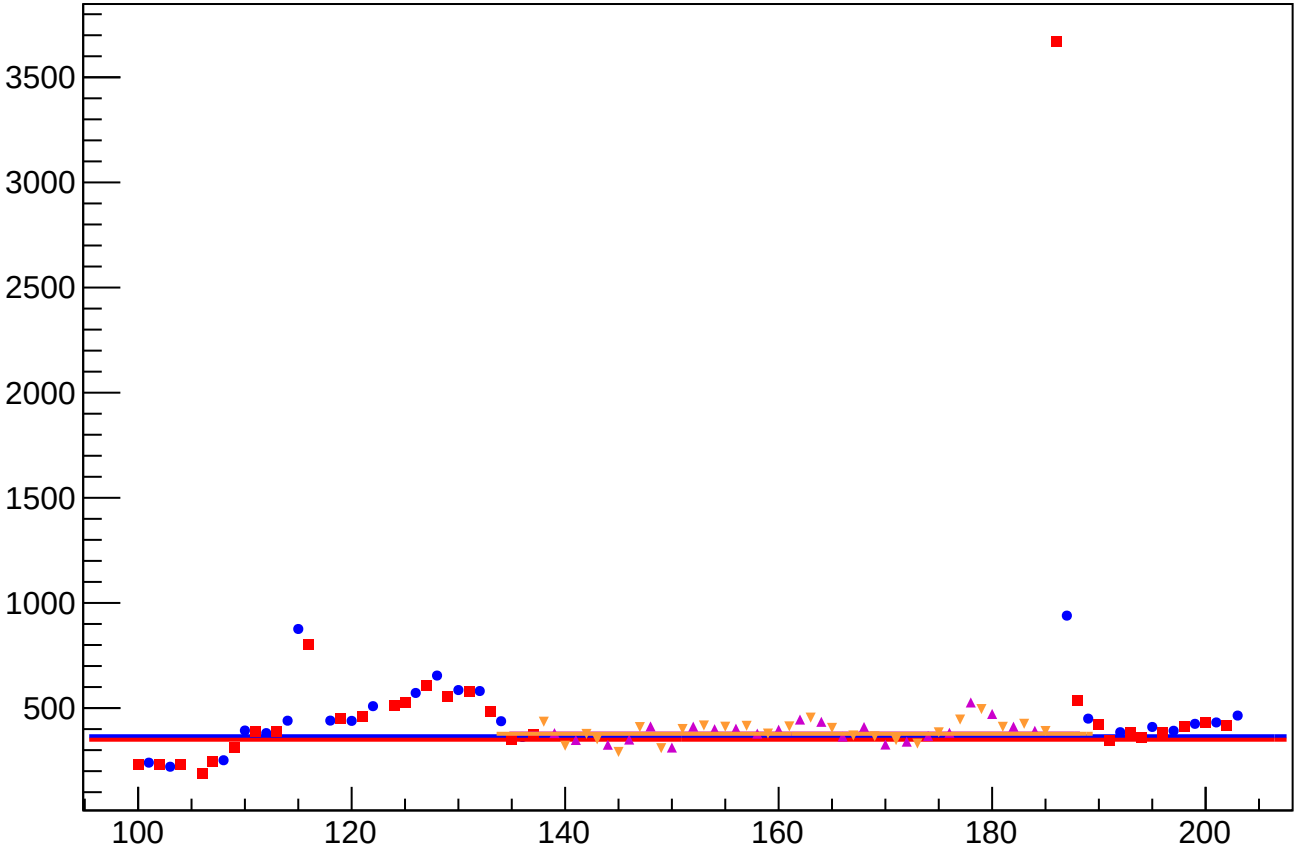
Right: -92.322+/-71.574 χ^2/NDF: 51.0/52

In: 12.506+/-68.225 χ^2/NDF:51.9/46

Out: 74.309+/-64.805 χ^2/NDF:70.6/53

All: 44.995+/-46.986 χ^2/NDF: 122.9/100

asym_sam_37_48_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 366.087+/-0.075 χ^2/NDF: 2198204.1/23

Left Out: 377.796+/-0.061 χ^2/NDF:636714.9/24

Right Out: 349.484+/-0.069 χ^2/NDF: 3151593.6/28

Left In: 378.869+/-0.063 χ^2/NDF:527680.9/22

Left: 378.317+/-0.044 χ^2/NDF: 1164543.9/47

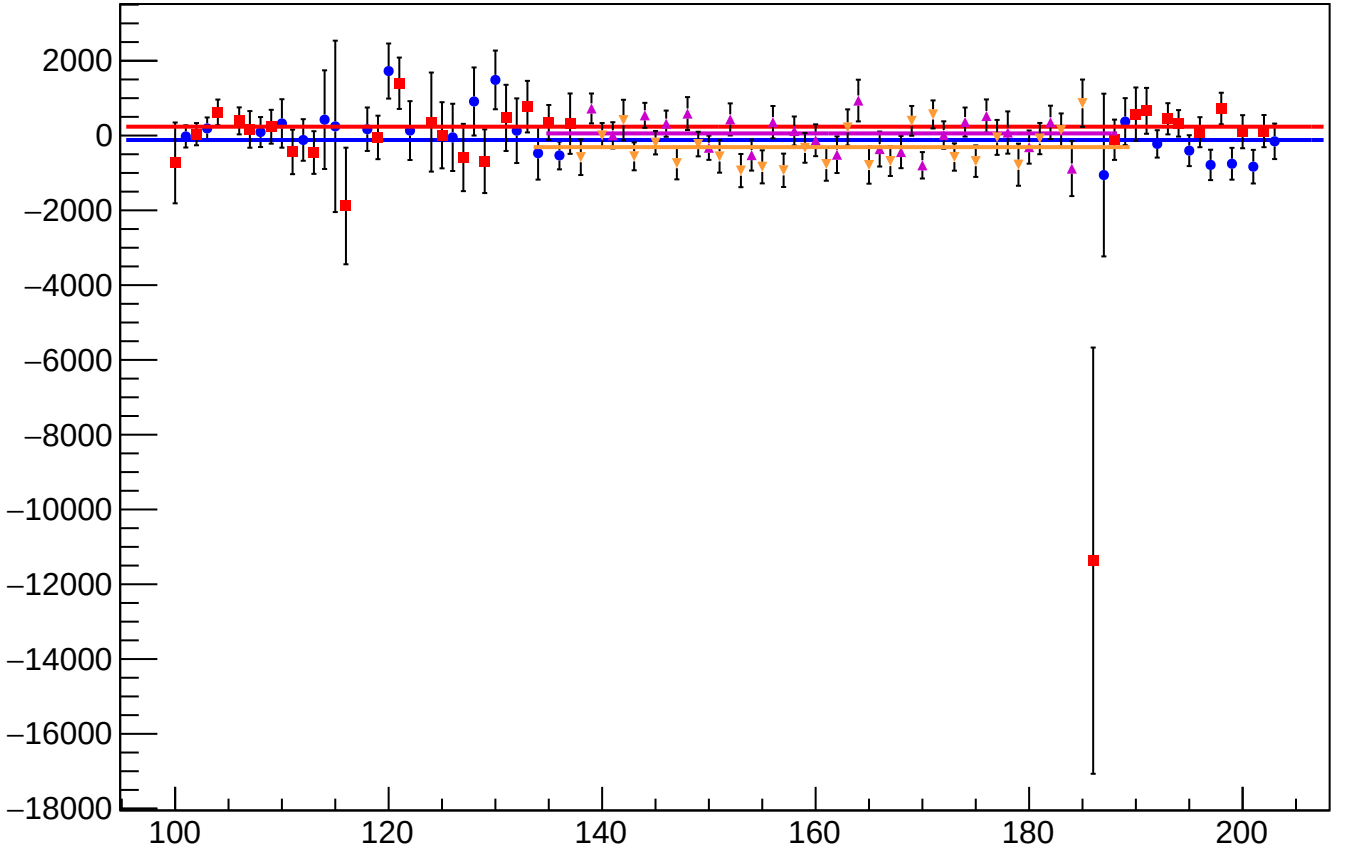
Right: 357.118+/-0.051 χ^2/NDF: 5376530.6/52

In: 373.529+/-0.048 χ^2/NDF:2742959.8/46

Out: 365.257+/-0.046 χ^2/NDF:3882498.7/53

All: 369.181+/-0.033 χ^2/NDF: 6640913.6/100

asym_sam_37_48_dd_mean vs Slug, Sign Corrected



Right In: -118.642+/-103.392 χ^2/NDF: 24.6/23

Left Out: -309.330+/-83.706 χ^2/NDF:30.0/24

Right Out: 236.994+/-96.698 χ^2/NDF: 20.5/28

Left In: 57.543+/-86.225 χ^2/NDF:28.0/22

Left: -131.331+/-60.060 χ^2/NDF: 67.3/47

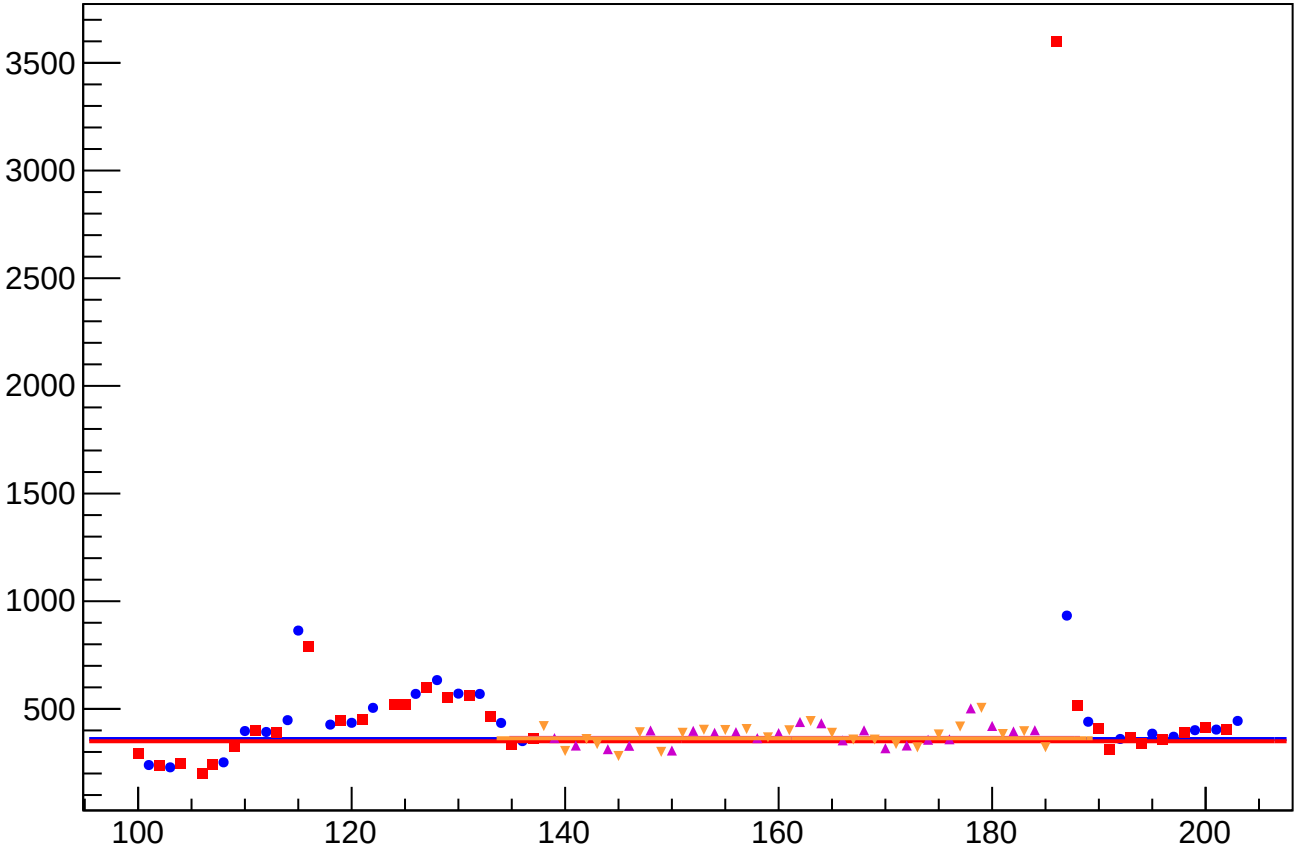
Right: 71.061+/-70.624 χ^2/NDF: 51.4/52

In: -14.728+/-66.219 χ^2/NDF:54.3/46

Out: -75.309+/-63.287 χ^2/NDF:68.7/53

All: -46.389+/-45.752 χ^2/NDF: 123.4/100

asym_sam_37_48_dd_rms vs Slug, Sign Corrected



Right In: 360.091+/-0.073 χ^2/NDF: 1964717.5/23

Left Out: 363.714+/-0.059 χ^2/NDF:669244.7/24

Right Out: 349.724+/-0.068 χ^2/NDF: 2707887.8/28

Left In: 365.324+/-0.061 χ^2/NDF:509496.4/22

Left: 364.495+/-0.042 χ^2/NDF: 1179100.0/47

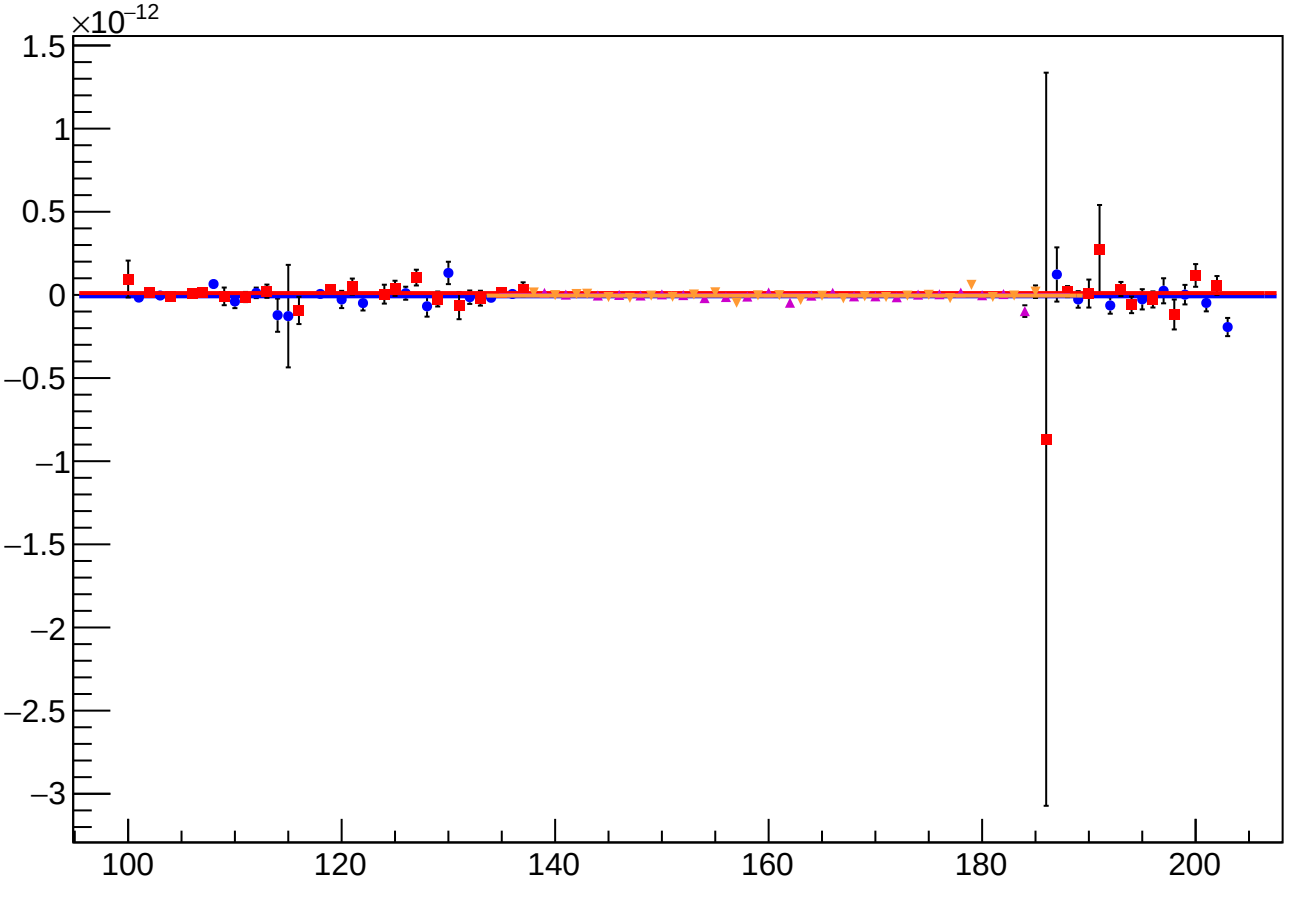
Right: 354.561+/-0.050 χ^2/NDF: 4683332.7/52

In: 363.178+/-0.047 χ^2/NDF:2477235.3/46

Out: 357.721+/-0.045 χ^2/NDF:3401064.8/53

All: 360.326+/-0.032 χ^2/NDF: 5885396.9/100

asym_sam_37_48_dd_reg_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.000 χ^2/NDF: 31.2/23

Left Out: -0.000+/-0.000 χ^2/NDF:21.9/24

Right Out: 0.000+/-0.000 χ^2/NDF: 21.7/28

Left In: -0.000+/-0.000 χ^2/NDF:21.7/22

Left: -0.000+/-0.000 χ^2/NDF: 44.3/47

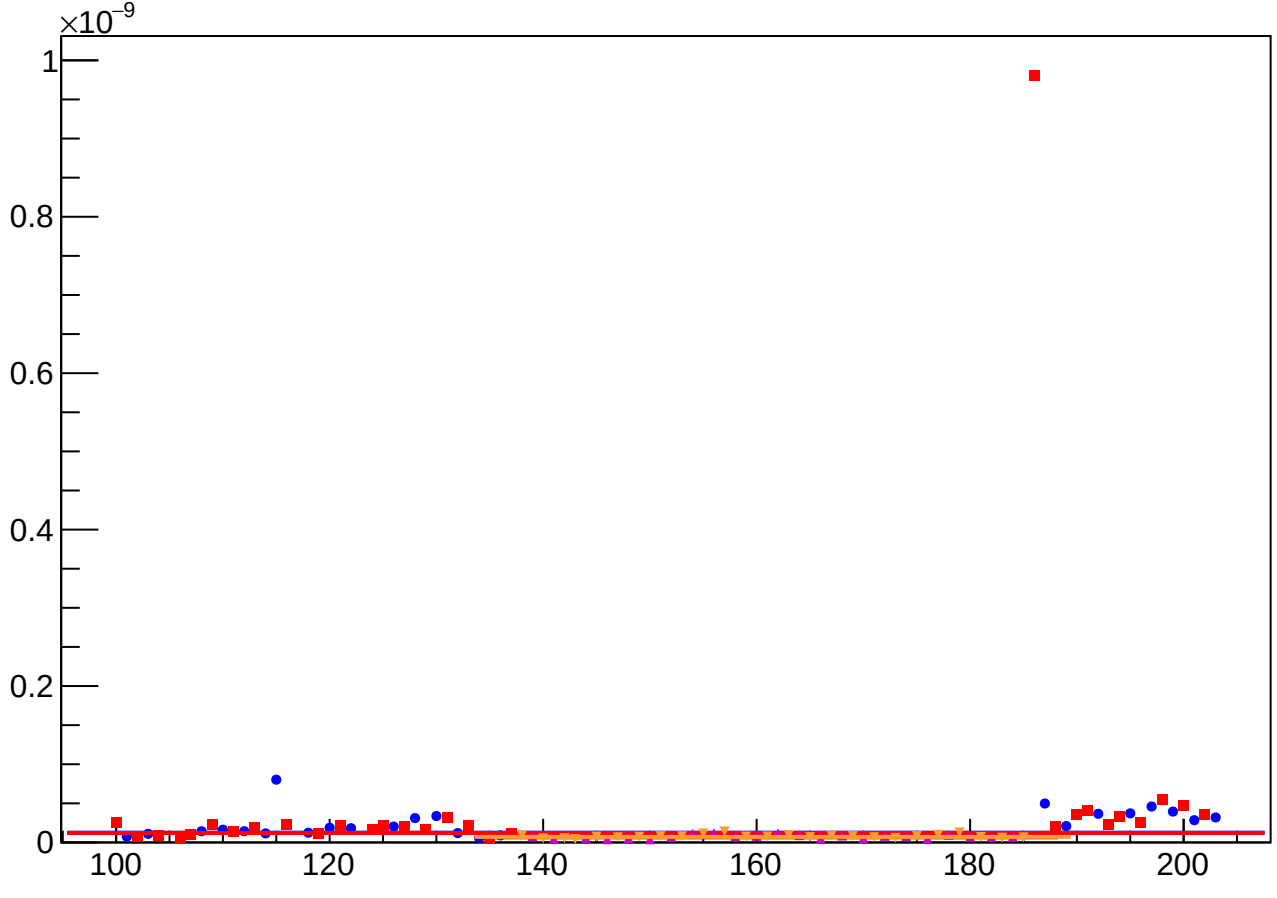
Right: 0.000+/-0.000 χ^2/NDF: 58.1/52

In: -0.000+/-0.000 χ^2/NDF:54.2/46

Out: -0.000+/-0.000 χ^2/NDF:48.9/53

All: -0.000+/-0.000 χ^2/NDF: 103.1/100

asym_sam_37_48_dd_reg_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 3618166.8/23

Left Out: 0.000+/-0.000 χ^2/NDF:872904.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 4313616.3/28

Left In: 0.000+/-0.000 χ^2/NDF:1216388.8/22

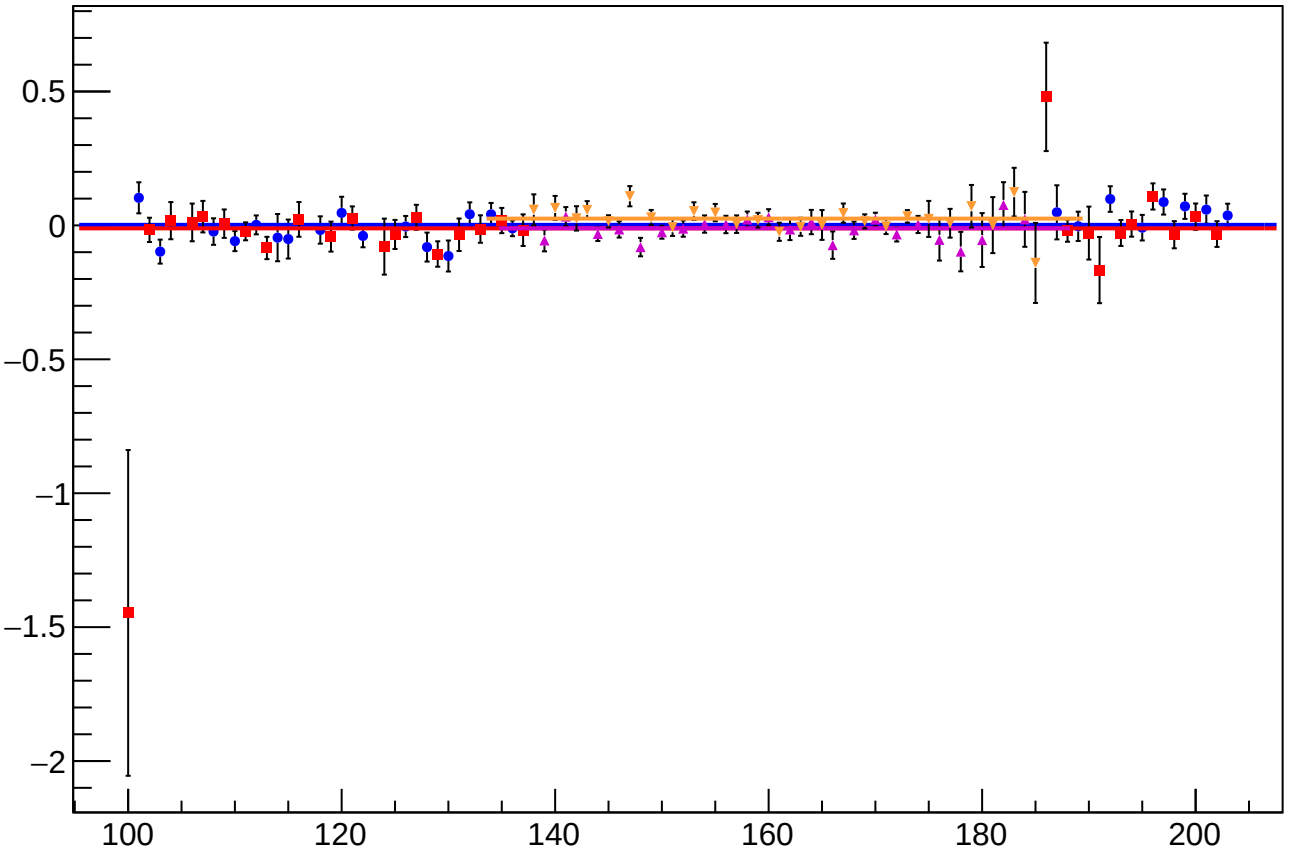
Left: 0.000+/-0.000 χ^2/NDF: 2149252.2/47

Right: 0.000+/-0.000 χ^2/NDF: 7933643.6/52

In: 0.000+/-0.000 χ^2/NDF:6429918.4/46

Out: 0.000+/-0.000 χ^2/NDF:6358678.4/53

All: 0.000+/-0.000 χ^2/NDF: 12841531.5/100



Right In: 0.002+/-0.010 χ^2/NDF: 33.3/23

Left Out: 0.025+/-0.007 χ^2/NDF:17.4/24

Right Out: -0.011+/-0.010 χ^2/NDF: 32.1/28

Left In: -0.011+/-0.007 χ^2/NDF:19.0/22

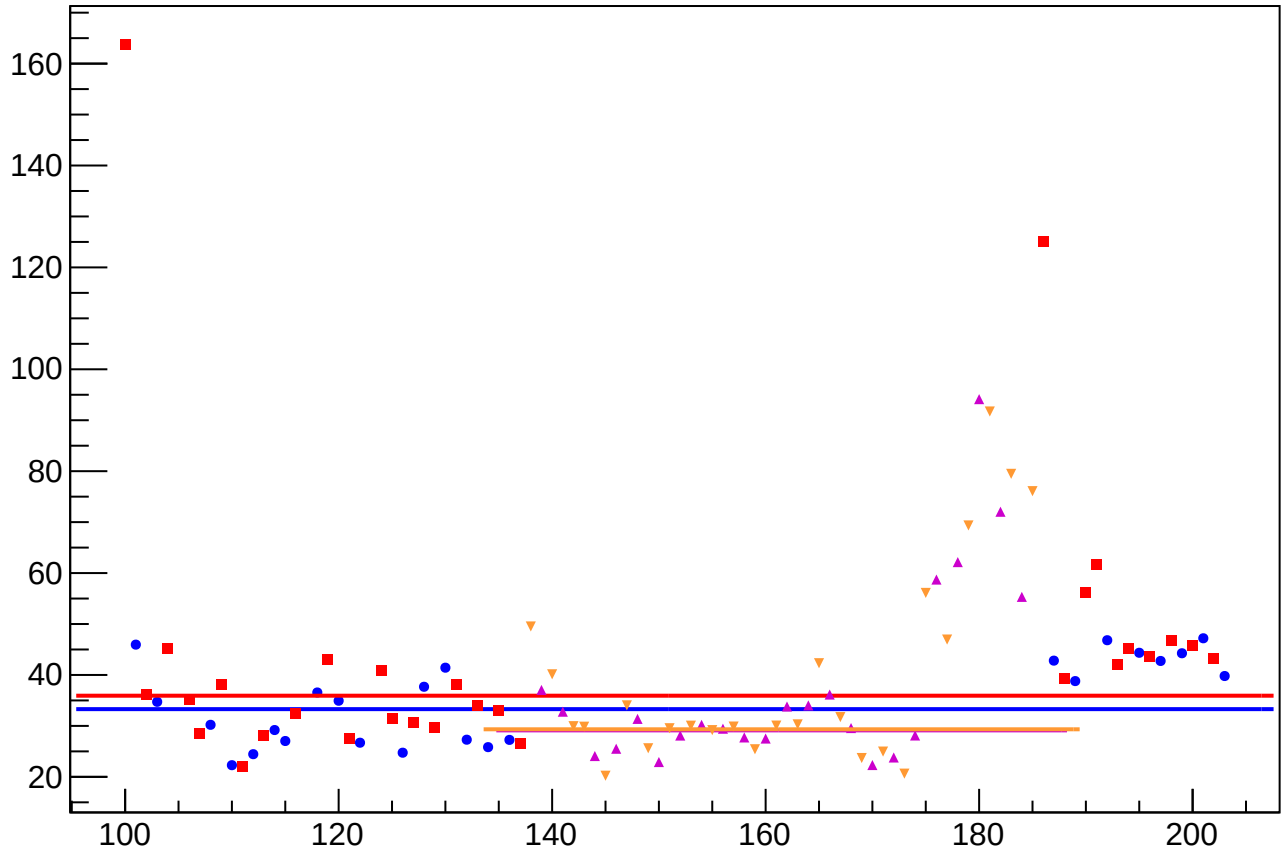
Left: 0.008+/-0.005 χ^2/NDF: 49.0/47

Right: -0.004+/-0.007 χ^2/NDF: 66.2/52

In: -0.006+/-0.006 χ^2/NDF:53.4/46

Out: 0.013+/-0.006 χ^2/NDF:58.3/53

All: 0.003+/-0.004 χ^2/NDF: 117.1/100



Right In: 33.292+/-0.007 χ^2/NDF: 1489790.0/23

Left Out: 29.335+/-0.005 χ^2/NDF:3874774.5/24

Right Out: 35.929+/-0.007 χ^2/NDF: 1776880.3/28

Left In: 29.125+/-0.005 χ^2/NDF:2839115.6/22

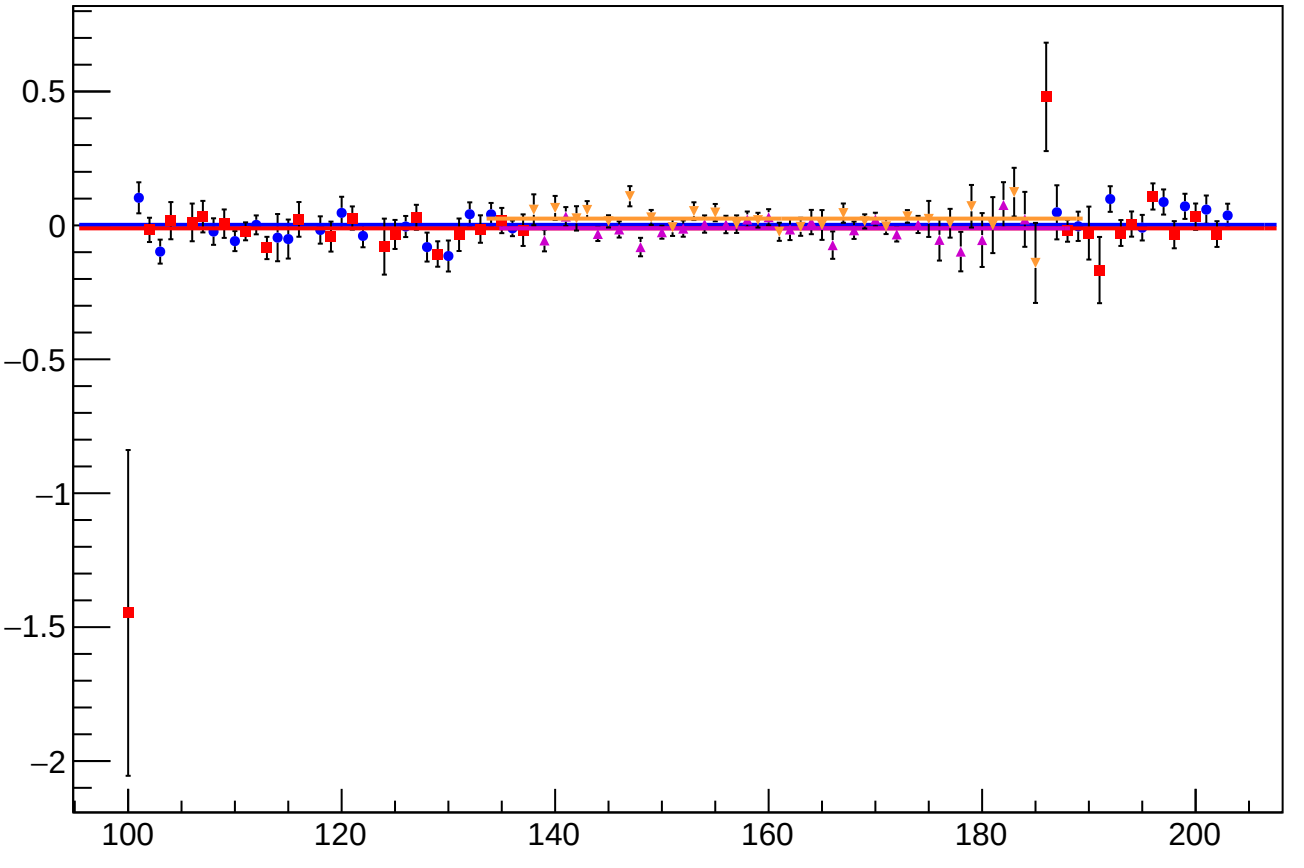
Left: 29.231+/-0.004 χ^2/NDF: 6714732.4/47

Right: 34.566+/-0.005 χ^2/NDF: 3339669.7/52

In: 30.652+/-0.004 χ^2/NDF:4568016.3/46

Out: 31.600+/-0.004 χ^2/NDF:6231478.3/53

All: 31.125+/-0.003 χ^2/NDF: 10826111.9/100



Right In: 0.002+/-0.010 χ^2/NDF: 33.3/23

Left Out: 0.025+/-0.007 χ^2/NDF:17.4/24

Right Out: -0.011+/-0.010 χ^2/NDF: 32.1/28

Left In: -0.011+/-0.007 χ^2/NDF:19.0/22

Left: 0.008+/-0.005 χ^2/NDF: 49.0/47

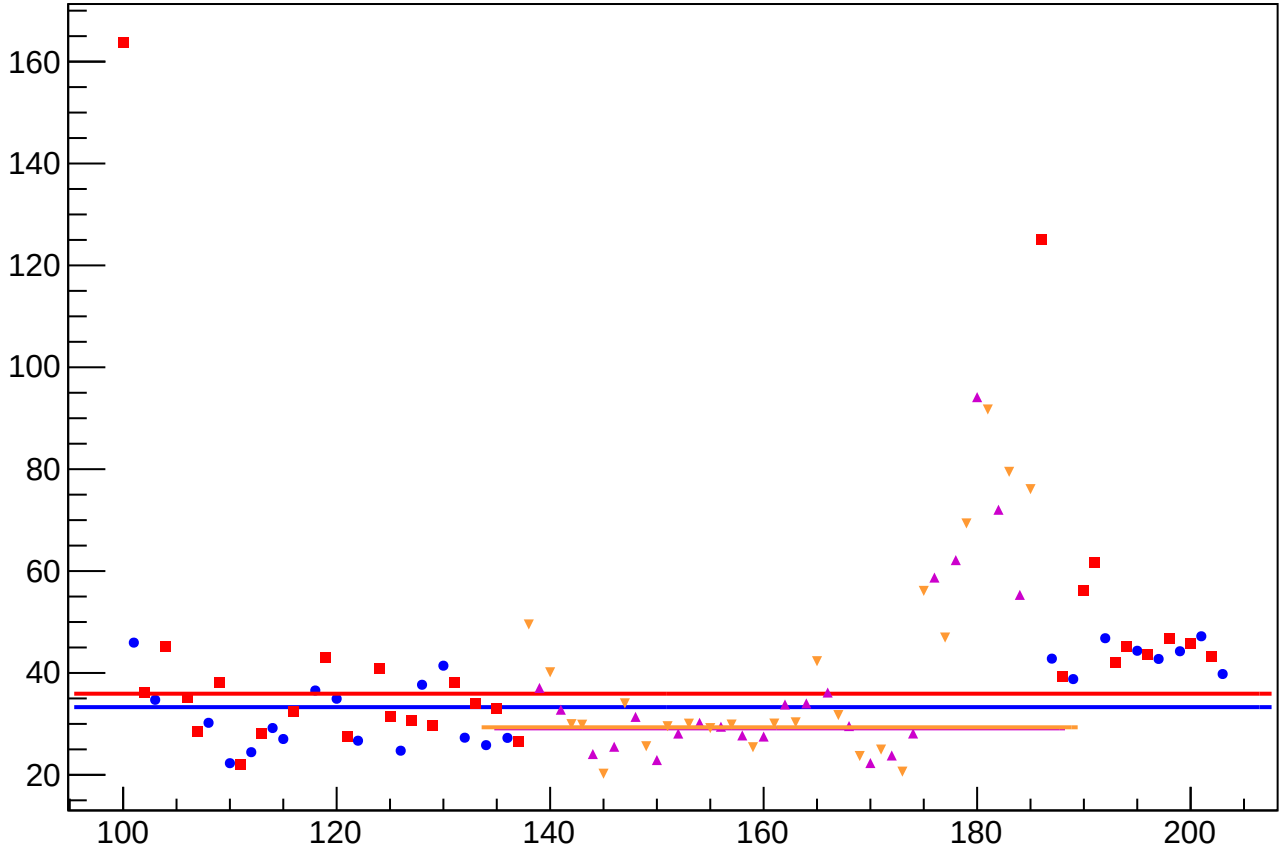
Right: -0.004+/-0.007 χ^2/NDF: 66.2/52

In: -0.006+/-0.006 χ^2/NDF:53.4/46

Out: 0.013+/-0.006 χ^2/NDF:58.3/53

All: 0.003+/-0.004 χ^2/NDF: 117.1/100

asym_sam_37_48_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 33.292+/-0.007 χ^2/NDF: 1489790.0/23

Left Out: 29.335+/-0.005 χ^2/NDF:3874774.5/24

Right Out: 35.929+/-0.007 χ^2/NDF: 1776880.3/28

Left In: 29.125+/-0.005 χ^2/NDF:2839115.6/22

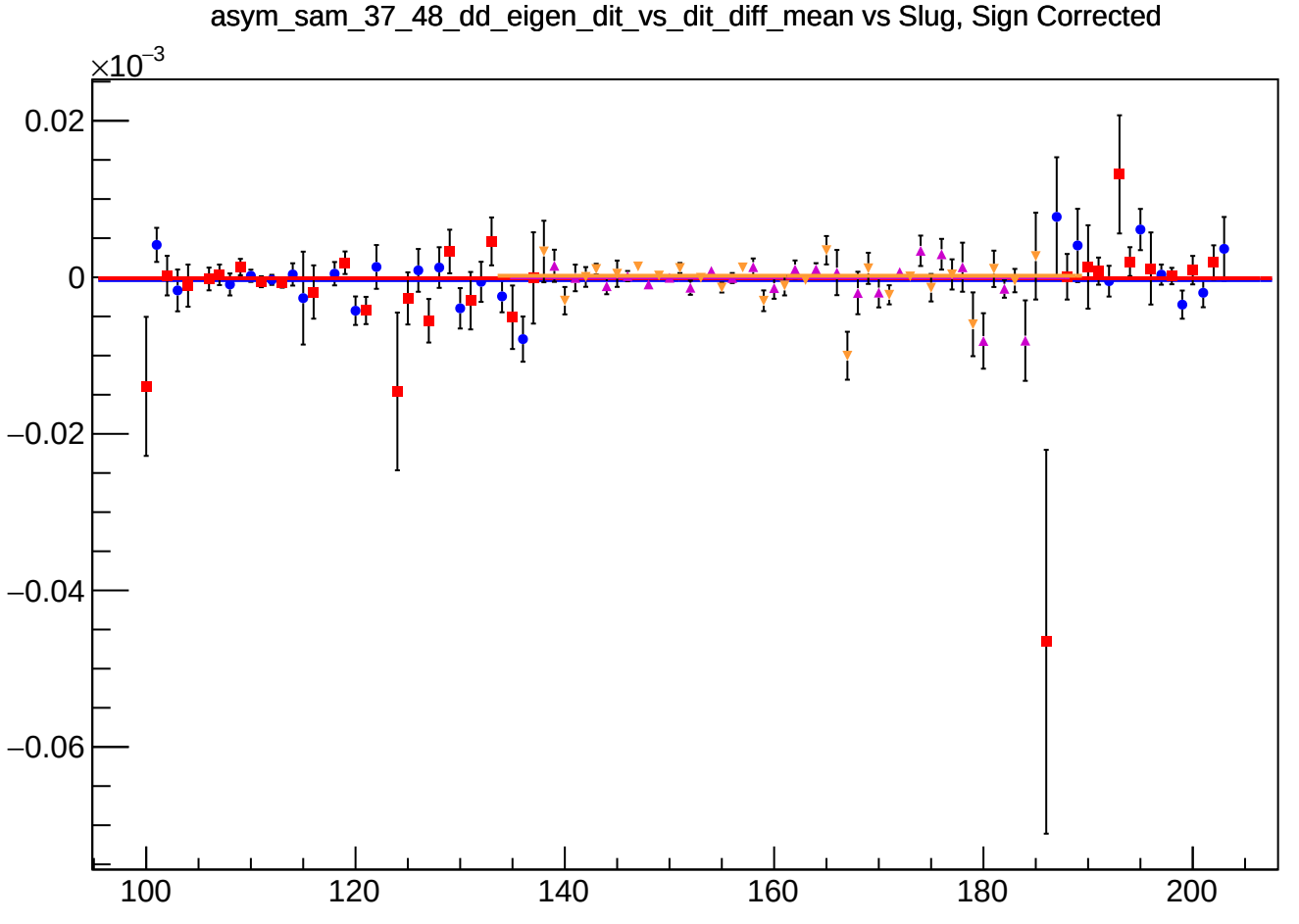
Left: 29.231+/-0.004 χ^2/NDF: 6714732.4/47

Right: 34.566+/-0.005 χ^2/NDF: 3339669.7/52

In: 30.652+/-0.004 χ^2/NDF:4568016.3/46

Out: 31.600+/-0.004 χ^2/NDF:6231478.3/53

All: 31.125+/-0.003 χ^2/NDF: 10826111.9/100



Right In: -0.000+/-0.000 χ^2/NDF: 34.4/23

Left Out: 0.000+/-0.000 χ^2/NDF:52.6/24

Right Out: -0.000+/-0.000 χ^2/NDF: 35.6/28

Left In: -0.000+/-0.000 χ^2/NDF:32.9/22

Left: 0.000+/-0.000 χ^2/NDF: 86.2/47

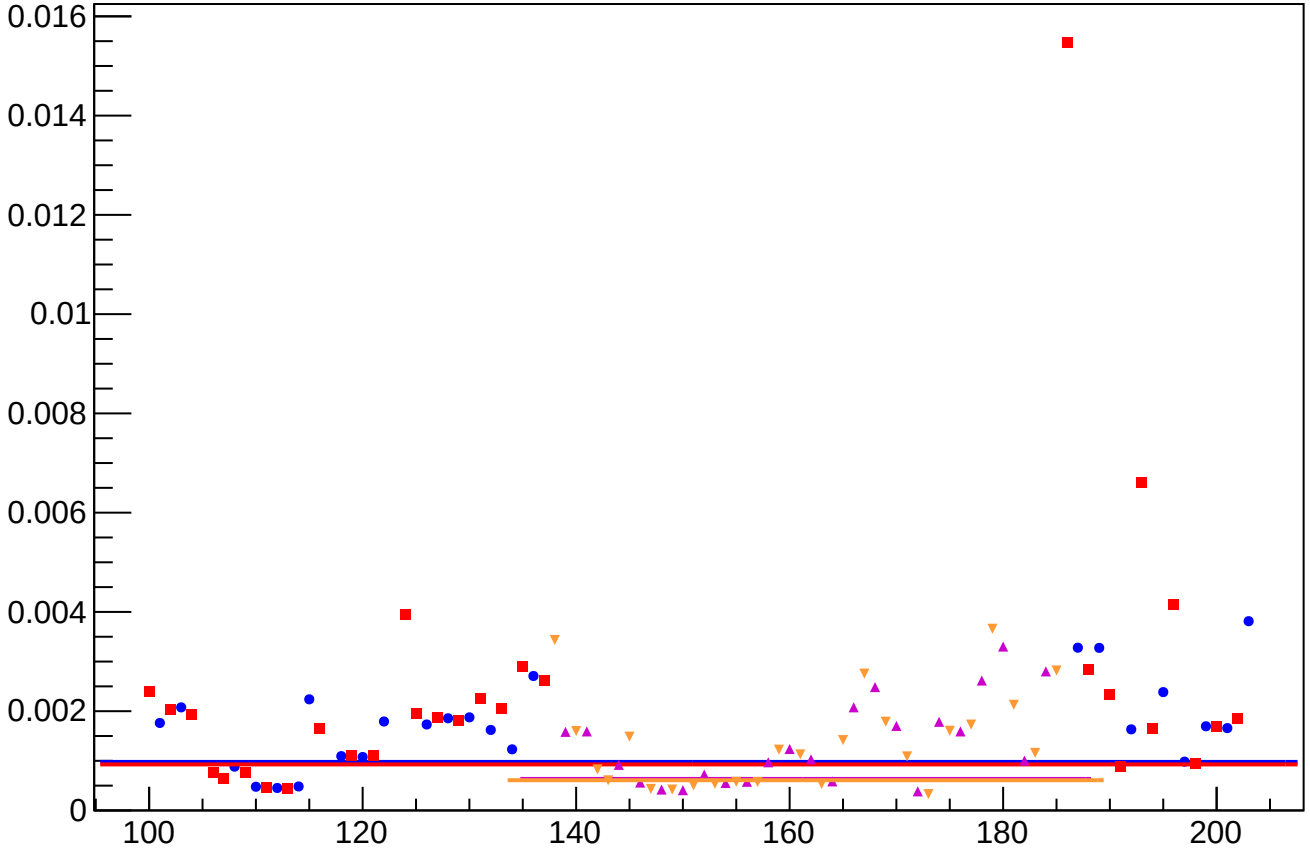
Right: -0.000+/-0.000 χ^2/NDF: 70.2/52

In: -0.000+/-0.000 χ^2/NDF:68.2/46

Out: 0.000+/-0.000 χ^2/NDF:89.0/53

All: 0.000+/-0.000 χ^2/NDF: 158.0/100

asym_sam_37_48_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.001+/-0.000 χ^2/NDF: 7811832.9/23

Left Out: 0.001+/-0.000 χ^2/NDF:10964161.2/24

Right Out: 0.001+/-0.000 χ^2/NDF: 9837034.8/28

Left In: 0.001+/-0.000 χ^2/NDF:9376124.7/22

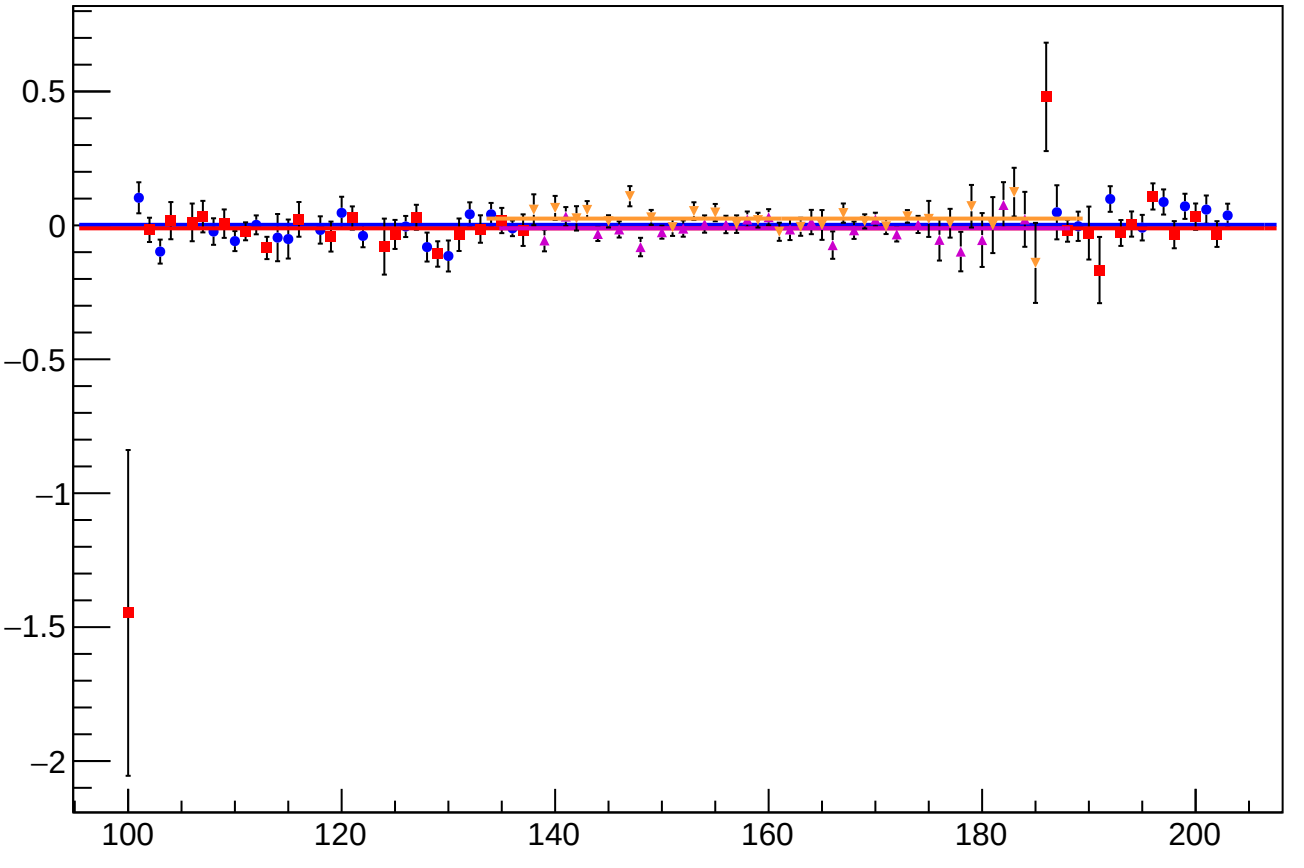
Left: 0.001+/-0.000 χ^2/NDF: 20361960.5/47

Right: 0.001+/-0.000 χ^2/NDF: 17673216.8/52

In: 0.001+/-0.000 χ^2/NDF:18820771.7/46

Out: 0.001+/-0.000 χ^2/NDF:22440721.1/53

All: 0.001+/-0.000 χ^2/NDF: 41302658.7/100



Right In: 0.002+/-0.010 χ^2/NDF: 33.3/23

Left Out: 0.025+/-0.007 χ^2/NDF:17.4/24

Right Out: -0.011+/-0.010 χ^2/NDF: 32.1/28

Left In: -0.011+/-0.007 χ^2/NDF:19.0/22

Left: 0.008+/-0.005 χ^2/NDF: 49.0/47

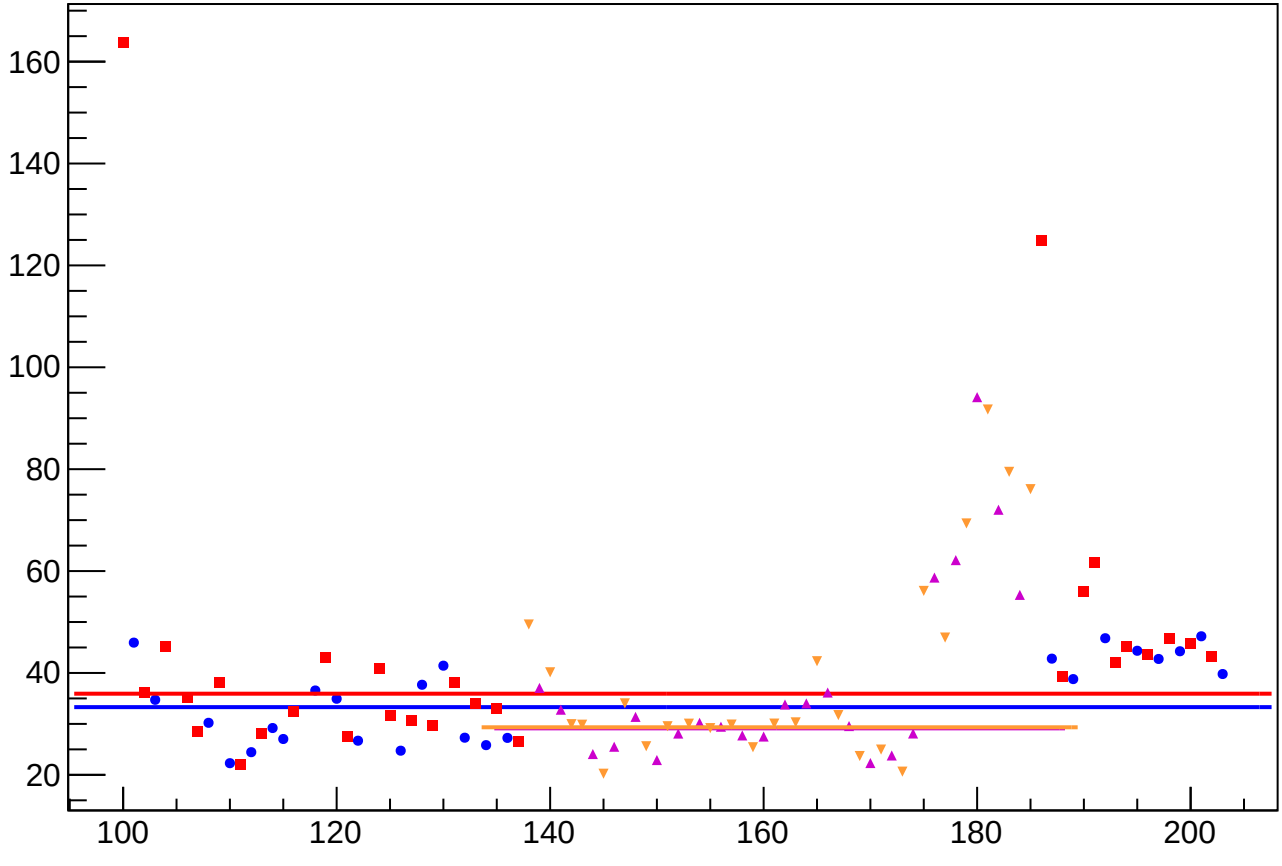
Right: -0.004+/-0.007 χ^2/NDF: 66.2/52

In: -0.006+/-0.006 χ^2/NDF:53.4/46

Out: 0.013+/-0.006 χ^2/NDF:58.3/53

All: 0.003+/-0.004 χ^2/NDF: 117.1/100

asym_sam_37_48_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 33.292+/-0.007 χ^2/NDF: 1489705.7/23

Left Out: 29.334+/-0.005 χ^2/NDF:3874839.0/24

Right Out: 35.929+/-0.007 χ^2/NDF: 1776772.3/28

Left In: 29.124+/-0.005 χ^2/NDF:2839078.4/22

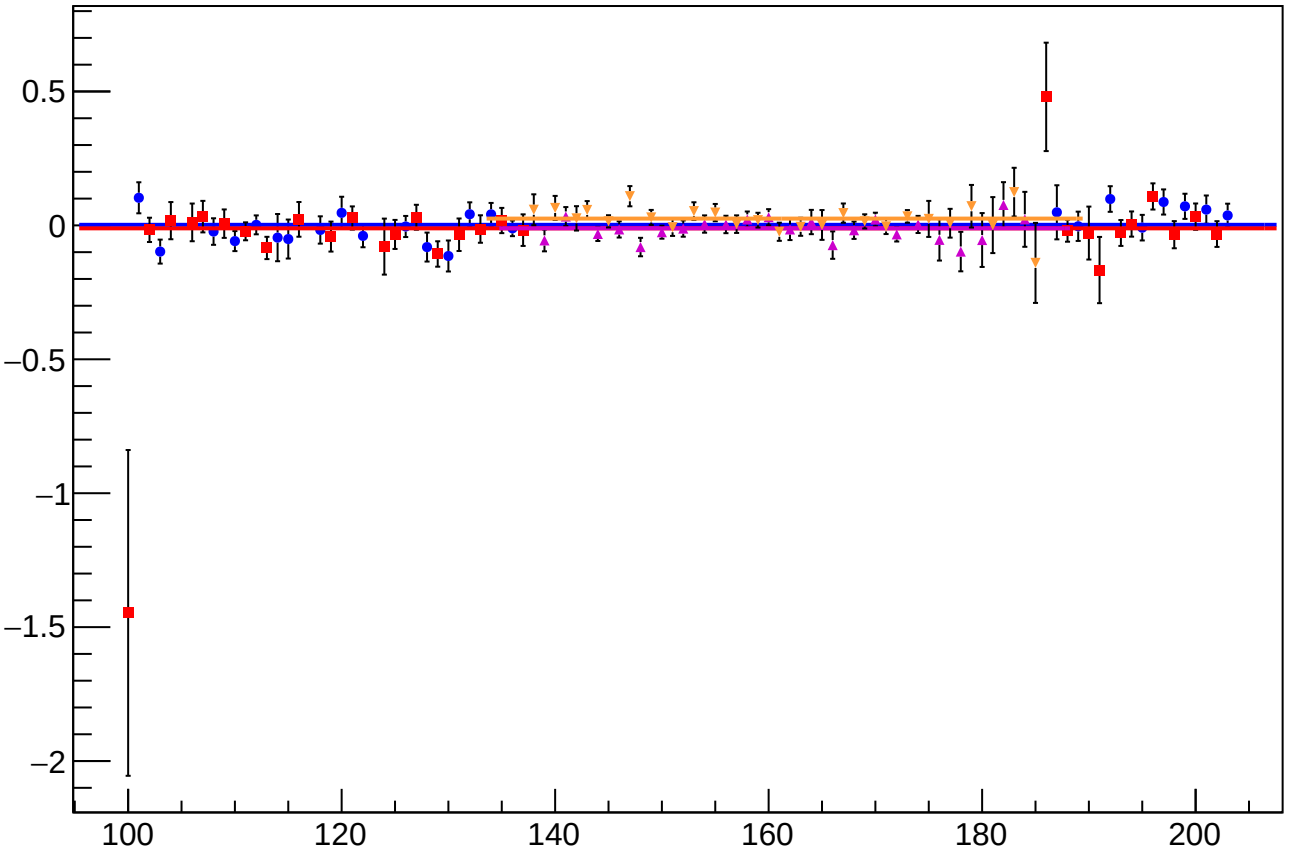
Left: 29.231+/-0.004 χ^2/NDF: 6714759.4/47

Right: 34.566+/-0.005 χ^2/NDF: 3339482.2/52

In: 30.652+/-0.004 χ^2/NDF:4567917.0/46

Out: 31.600+/-0.004 χ^2/NDF:6231491.2/53

All: 31.125+/-0.003 χ^2/NDF: 10826025.2/100



Right In: 0.002+/-0.010 χ^2/NDF: 33.3/23

Left Out: 0.025+/-0.007 χ^2/NDF:17.4/24

Right Out: -0.011+/-0.010 χ^2/NDF: 32.1/28

Left In: -0.011+/-0.007 χ^2/NDF:19.0/22

Left: 0.008+/-0.005 χ^2/NDF: 49.0/47

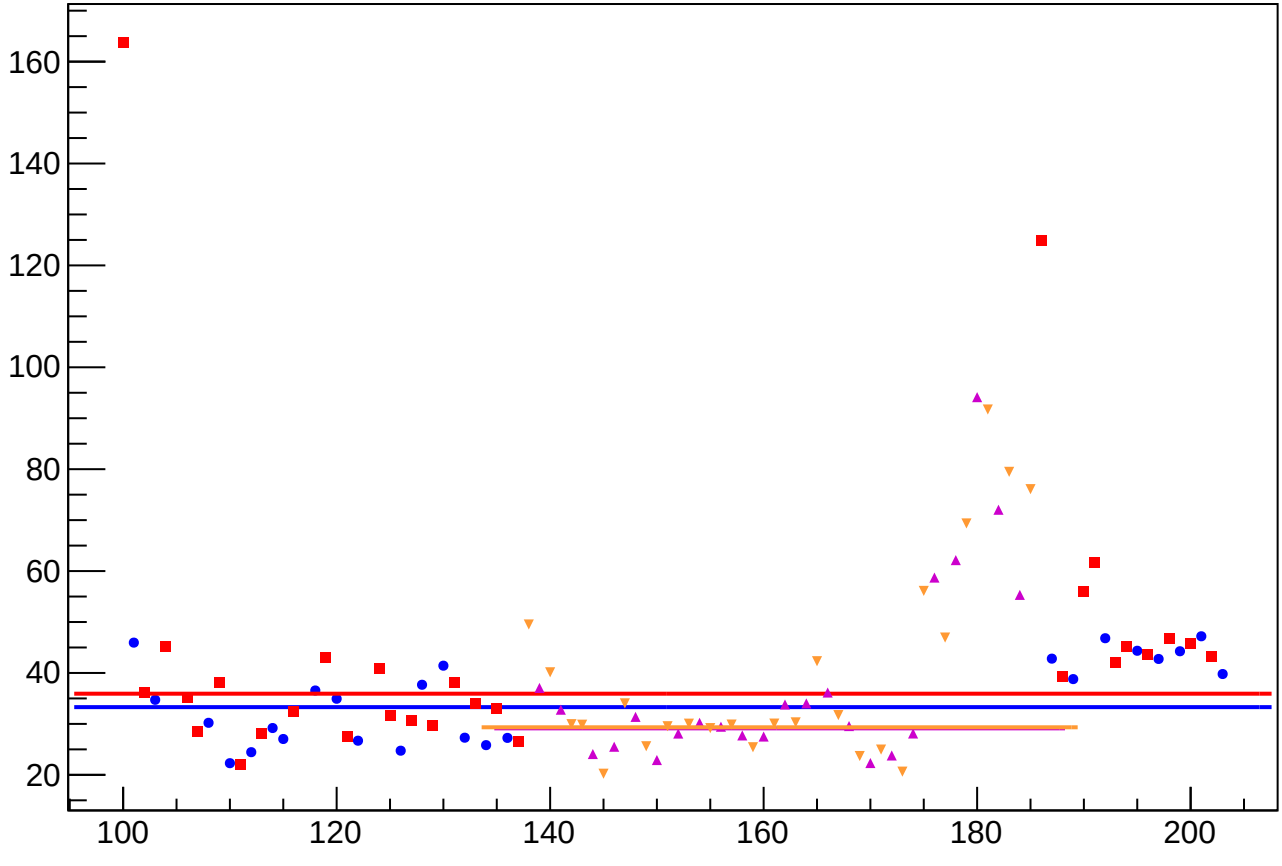
Right: -0.004+/-0.007 χ^2/NDF: 66.2/52

In: -0.006+/-0.006 χ^2/NDF:53.4/46

Out: 0.013+/-0.006 χ^2/NDF:58.3/53

All: 0.003+/-0.004 χ^2/NDF: 117.1/100

asym_sam_37_48_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 33.292+/-0.007 χ^2/NDF: 1489705.7/23

Left Out: 29.334+/-0.005 χ^2/NDF:3874839.0/24

Right Out: 35.929+/-0.007 χ^2/NDF: 1776772.3/28

Left In: 29.124+/-0.005 χ^2/NDF:2839078.4/22

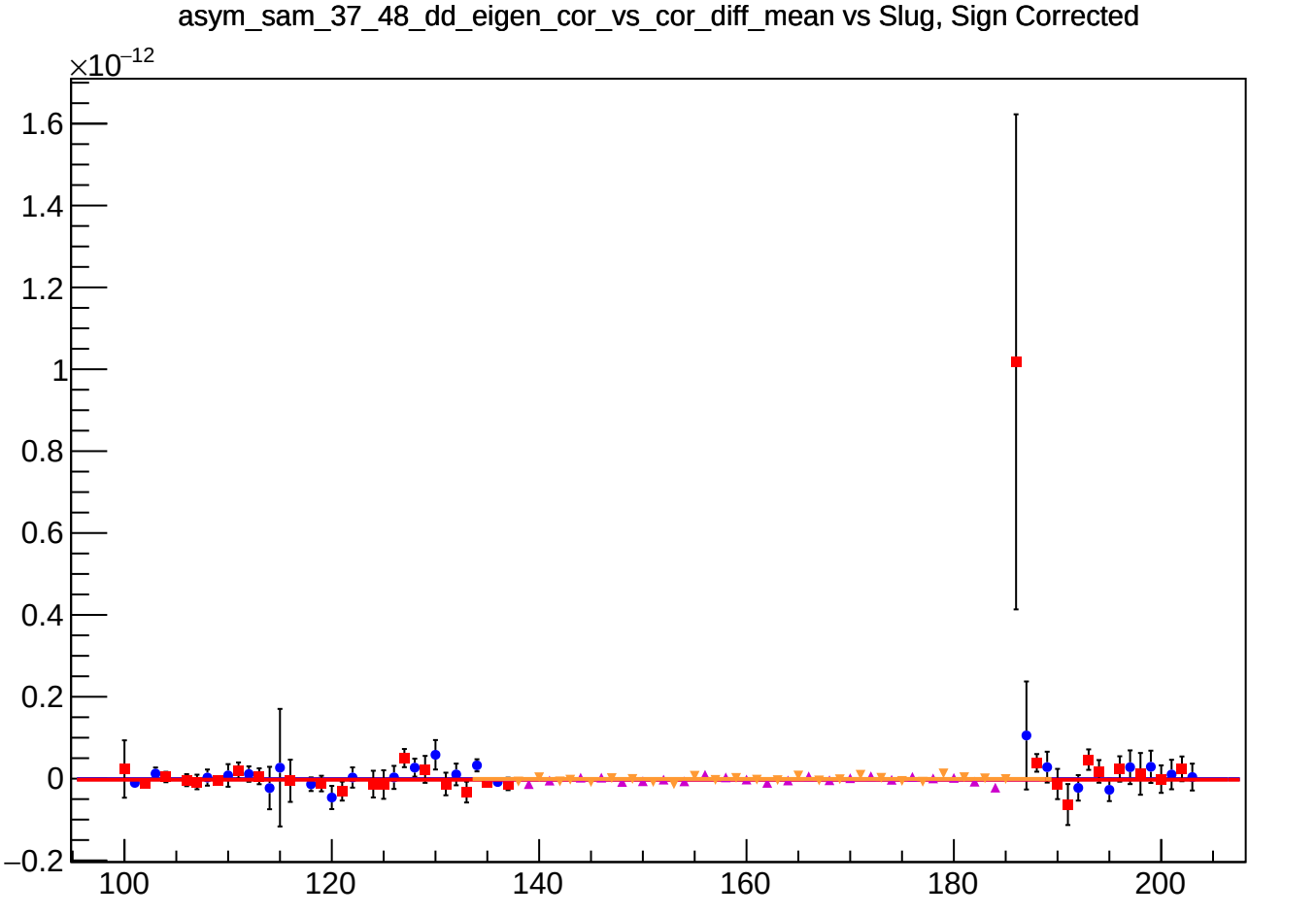
Left: 29.231+/-0.004 χ^2/NDF: 6714759.4/47

Right: 34.566+/-0.005 χ^2/NDF: 3339482.2/52

In: 30.652+/-0.004 χ^2/NDF:4567917.0/46

Out: 31.600+/-0.004 χ^2/NDF:6231491.2/53

All: 31.125+/-0.003 χ^2/NDF: 10826025.2/100



Right In: -0.000+/-0.000 χ^2/NDF: 20.8/23

Left Out: -0.000+/-0.000 χ^2/NDF:15.1/24

Right Out: -0.000+/-0.000 χ^2/NDF: 28.0/28

Left In: -0.000+/-0.000 χ^2/NDF:16.5/22

Left: -0.000+/-0.000 χ^2/NDF: 31.8/47

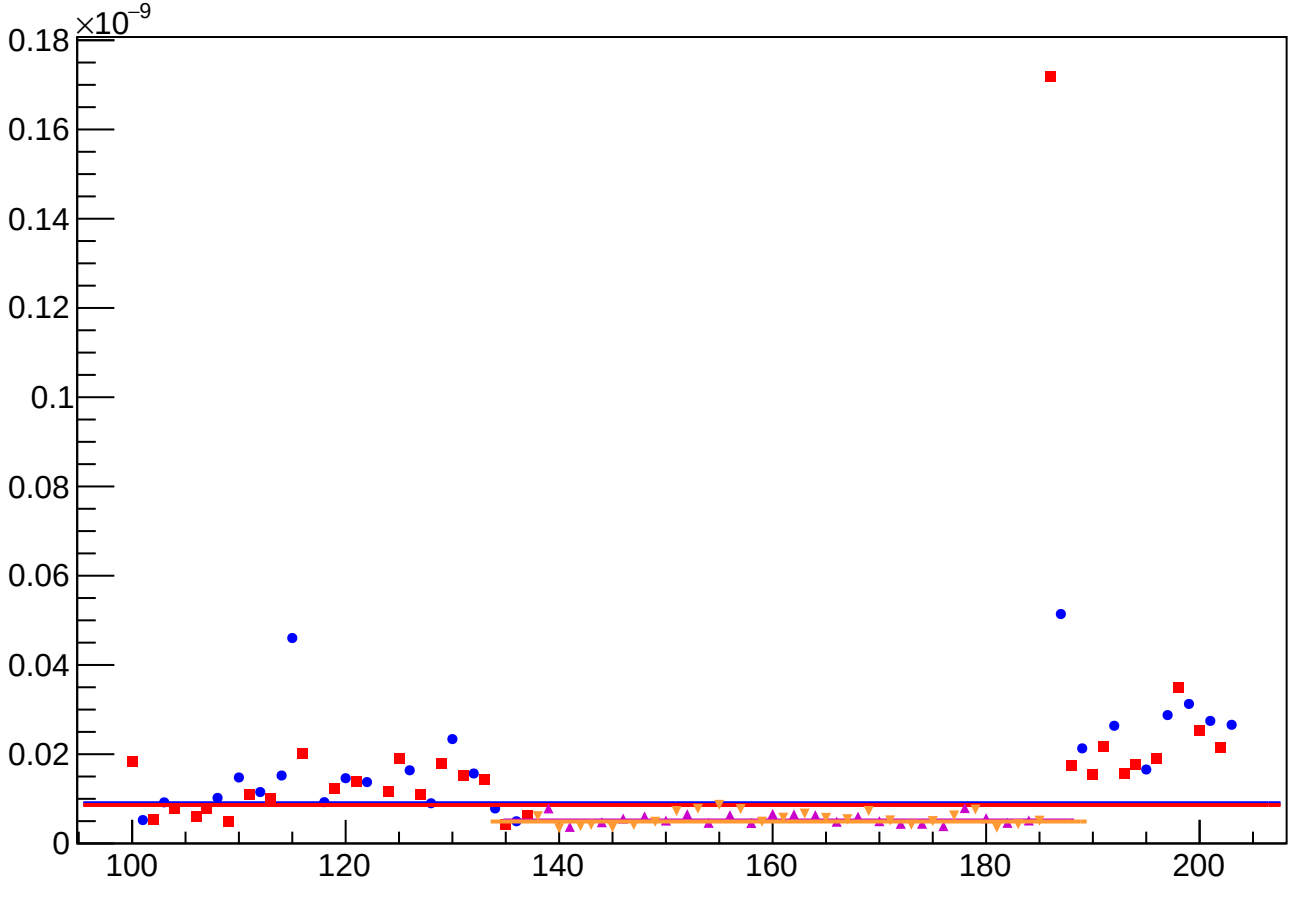
Right: -0.000+/-0.000 χ^2/NDF: 48.8/52

In: -0.000+/-0.000 χ^2/NDF:37.3/46

Out: -0.000+/-0.000 χ^2/NDF:43.3/53

All: -0.000+/-0.000 χ^2/NDF: 80.7/100

asym_sam_37_48_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 5676808.2/23

Left Out: 0.000+/-0.000 χ^2/NDF:1871499.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 4946453.9/28

Left In: 0.000+/-0.000 χ^2/NDF:976775.4/22

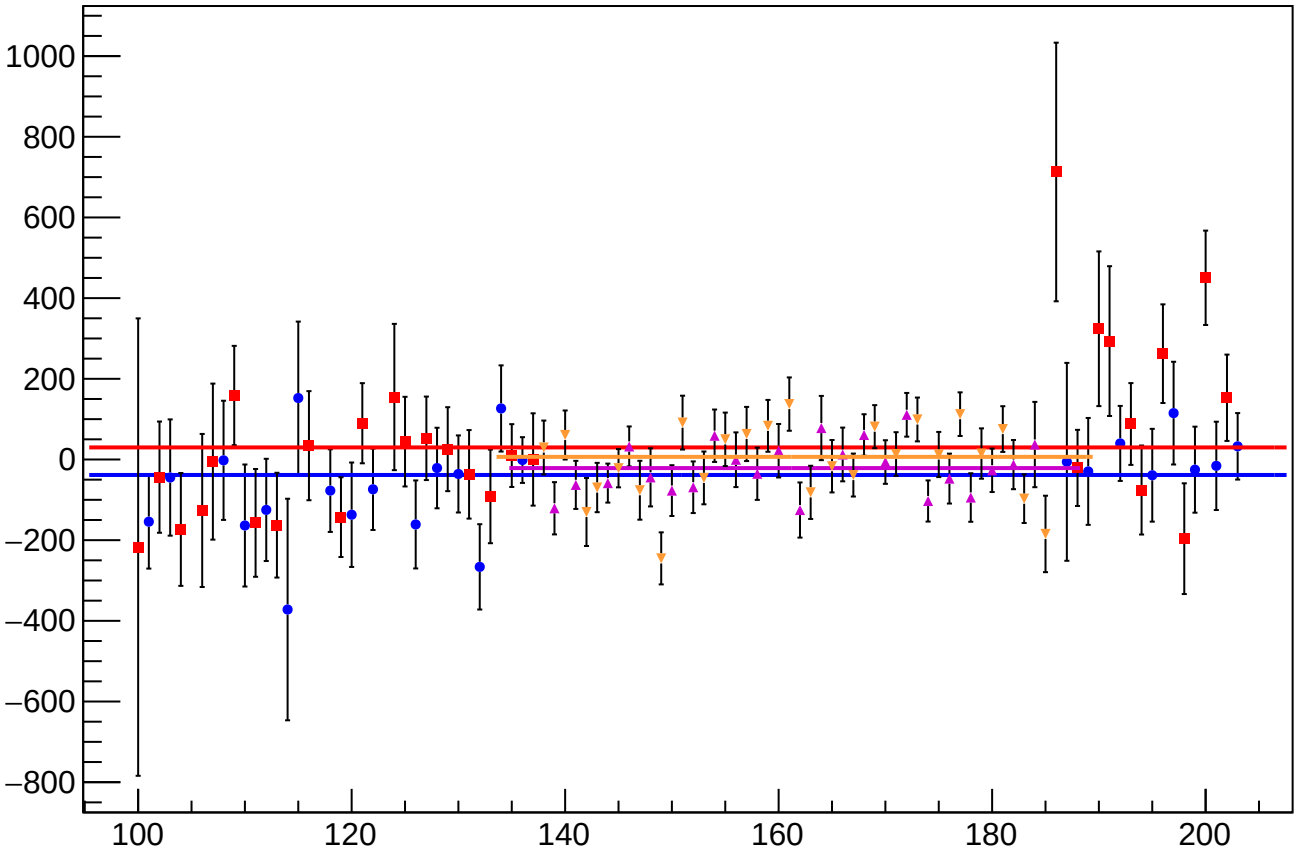
Left: 0.000+/-0.000 χ^2/NDF: 2874002.6/47

Right: 0.000+/-0.000 χ^2/NDF: 10635047.4/52

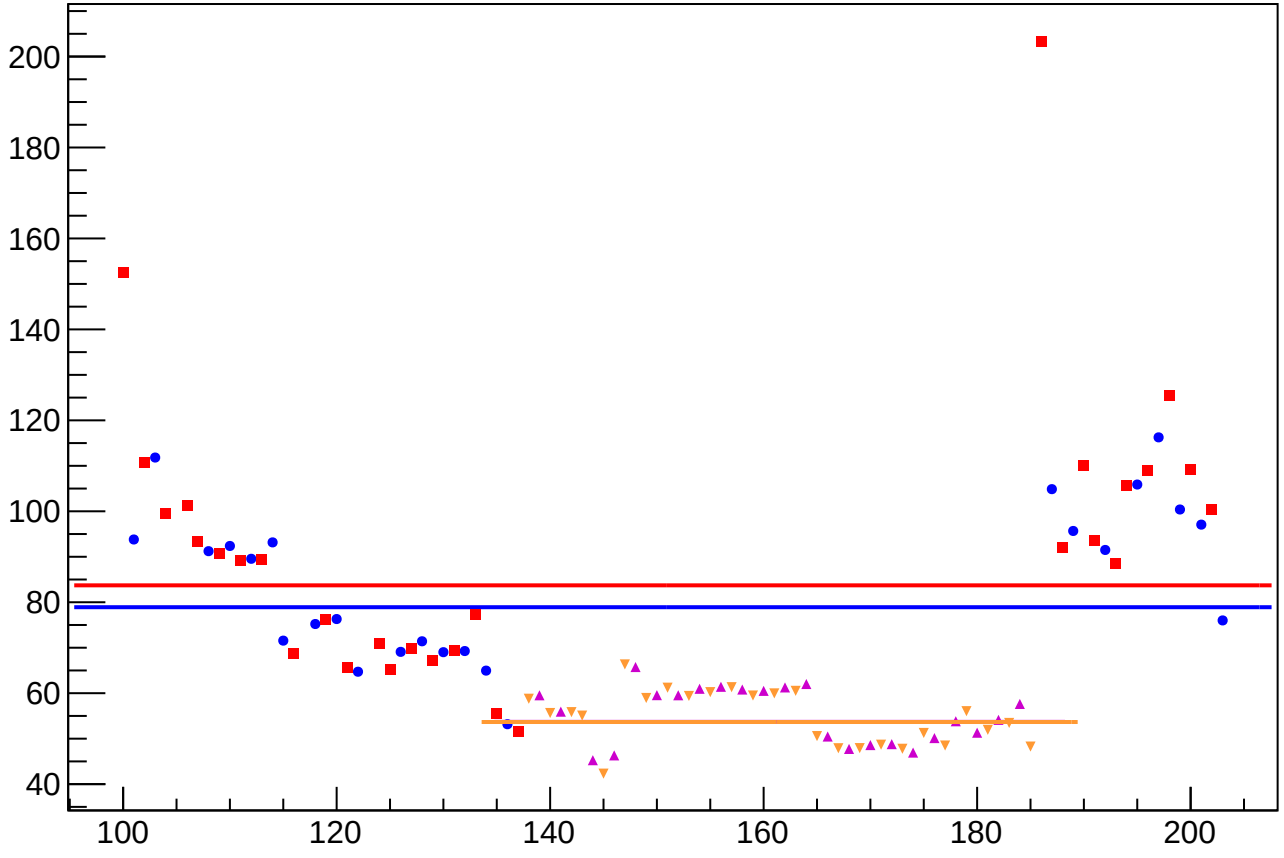
In: 0.000+/-0.000 χ^2/NDF:8569592.6/46

Out: 0.000+/-0.000 χ^2/NDF:8814700.1/53

All: 0.000+/-0.000 χ^2/NDF: 17416111.9/100


reg_asym_sam_15_26_dd_mean vs Slug, Sign Corrected
1000
800
600
400
200
0
−200
−400
−600
−800
100
120
140
160
180
200
Right In: -38.372+/-22.386 χ²/NDF: 17.3/23
Left Out: 6.523+/-12.287 χ²/NDF:50.6/24
Right Out: 29.903+/-22.734 χ²/NDF: 45.1/28
Left In: -21.336+/-12.649 χ²/NDF:25.4/22
Left: -7.002+/-8.814 χ²/NDF: 78.5/47
Right: -4.762+/-15.951 χ²/NDF: 67.0/52
In: -25.459+/-11.013 χ²/NDF:43.1/46
Out: 11.808+/-10.809 χ²/NDF:96.5/53
All: -6.478+/-7.714 χ²/NDF: 145.5/100

reg_asym_sam_15_26_dd_rms vs Slug, Sign Corrected



Right In: 78.909+/-0.016 χ^2/NDF: 1255783.9/23

Left Out: 53.666+/-0.009 χ^2/NDF:472206.8/24

Right Out: 83.717+/-0.016 χ^2/NDF: 1719630.8/28

Left In: 53.695+/-0.009 χ^2/NDF:471343.7/22

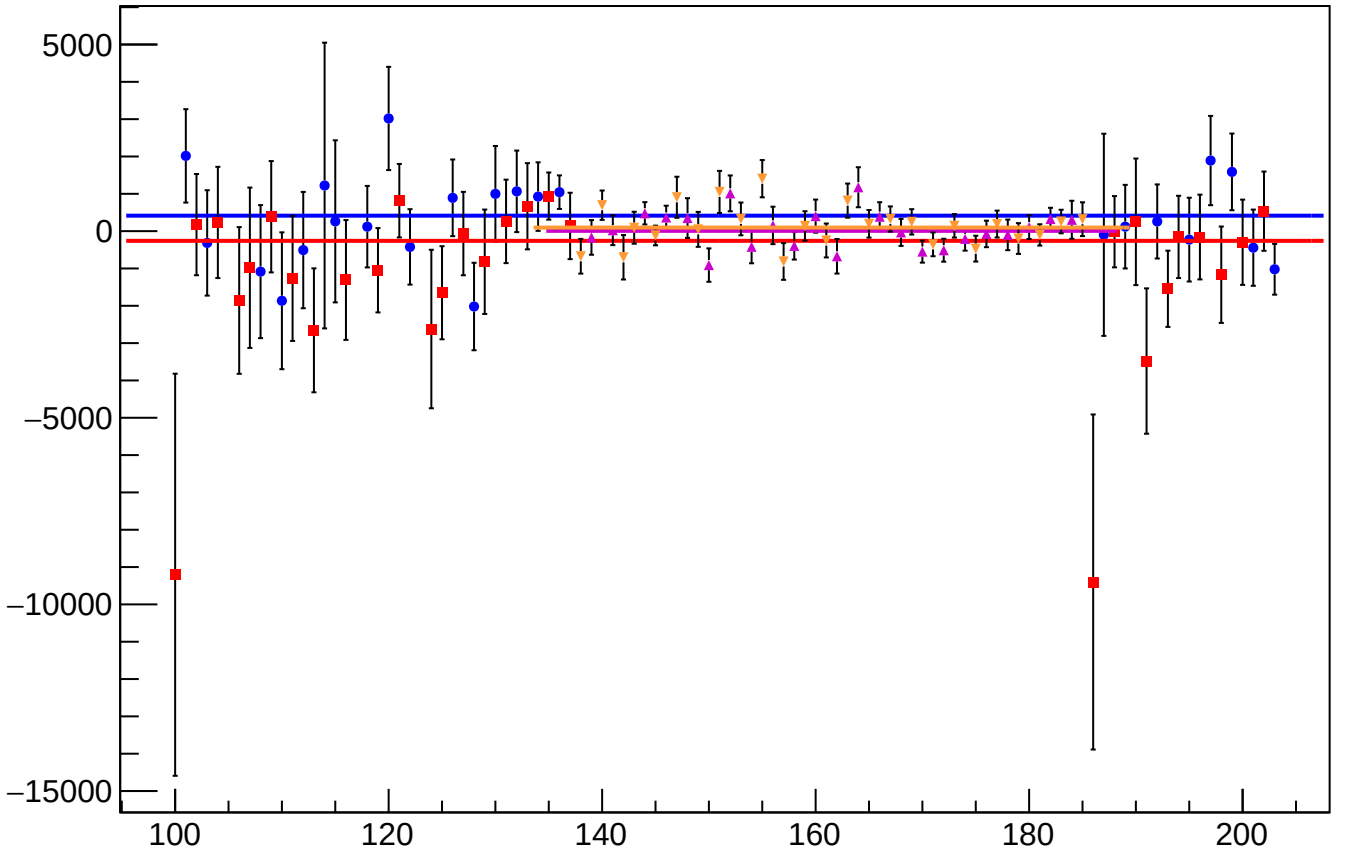
Left: 53.680+/-0.006 χ^2/NDF: 943555.9/47

Right: 81.276+/-0.011 χ^2/NDF: 3020833.0/52

In: 59.797+/-0.008 χ^2/NDF:3650433.3/46

Out: 60.459+/-0.008 χ^2/NDF:4896473.1/53

All: 60.134+/-0.005 χ^2/NDF: 8550592.3/100



Right In: 414.501+/-215.362 χ^2/NDF: 24.7/23

Left Out: 95.456+/-77.134 χ^2/NDF:33.2/24

Right Out: -259.633+/-229.764 χ^2/NDF: 25.5/28

Left In: 7.879+/-79.125 χ^2/NDF:32.3/22

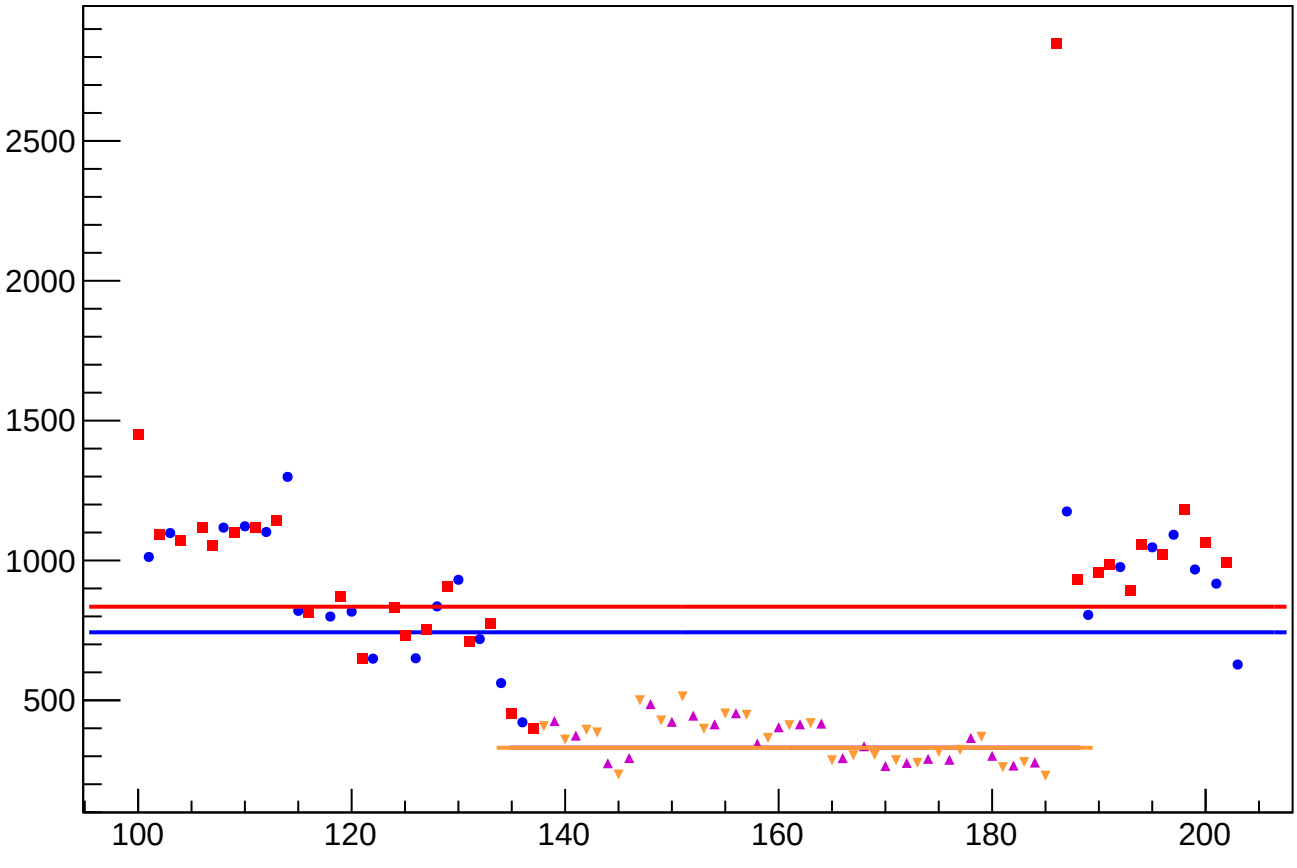
Left: 52.783+/-55.233 χ^2/NDF: 66.1/47

Right: 99.223+/-157.129 χ^2/NDF: 54.8/52

In: 56.240+/-74.271 χ^2/NDF:60.1/46

Out: 59.490+/-73.124 χ^2/NDF:60.8/53

All: 57.890+/-52.107 χ^2/NDF: 121.0/100



Right In: 743.214+/-0.152 χ^2/NDF: 2444200.9/23

Left Out: 330.405+/-0.055 χ^2/NDF:1752470.5/24

Right Out: 834.705+/-0.162 χ^2/NDF: 2610038.8/28

Left In: 331.059+/-0.056 χ^2/NDF:1325602.5/22

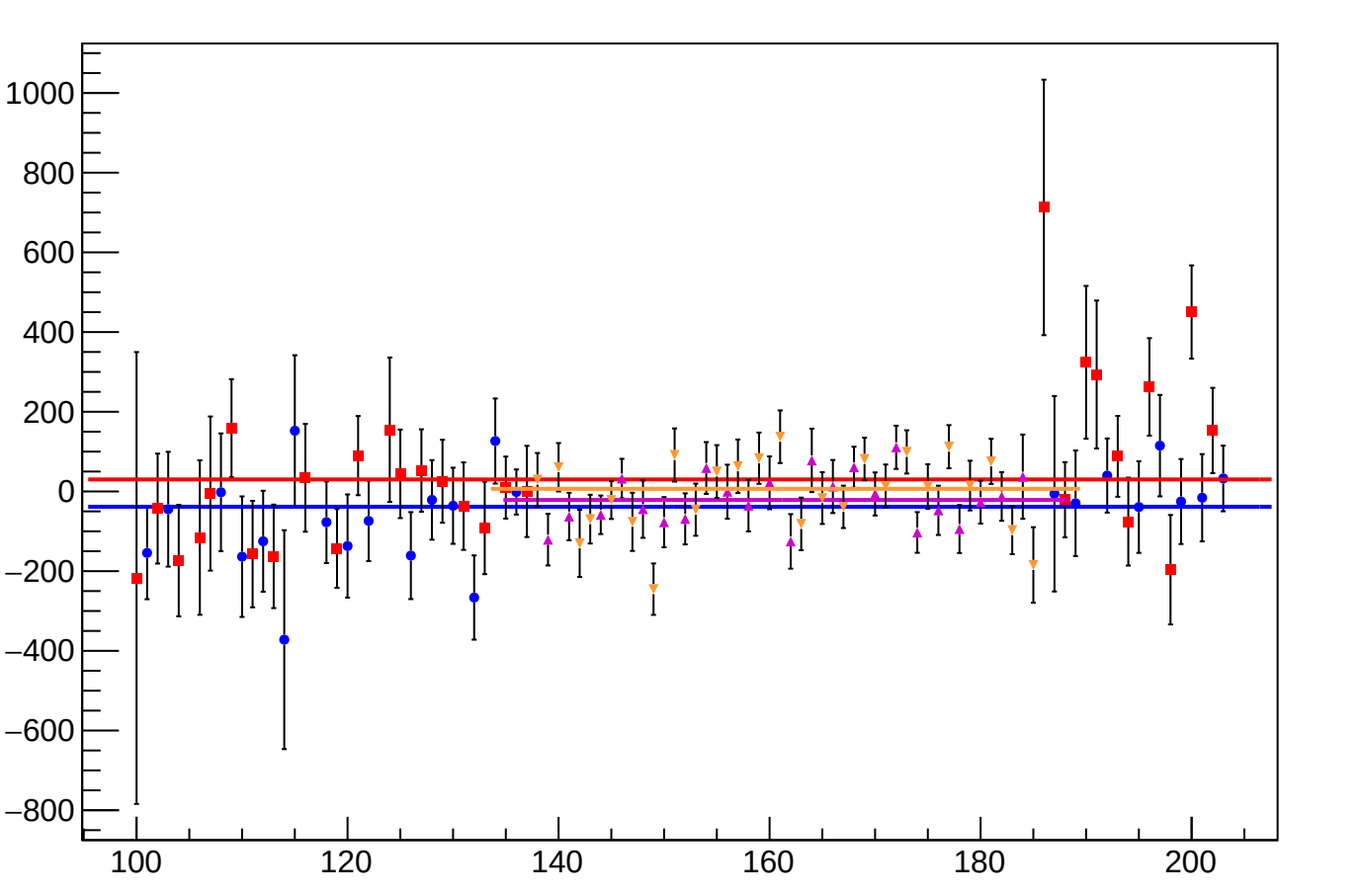
Left: 330.724+/-0.039 χ^2/NDF: 3078142.9/47

Right: 786.003+/-0.111 χ^2/NDF: 5223049.3/52

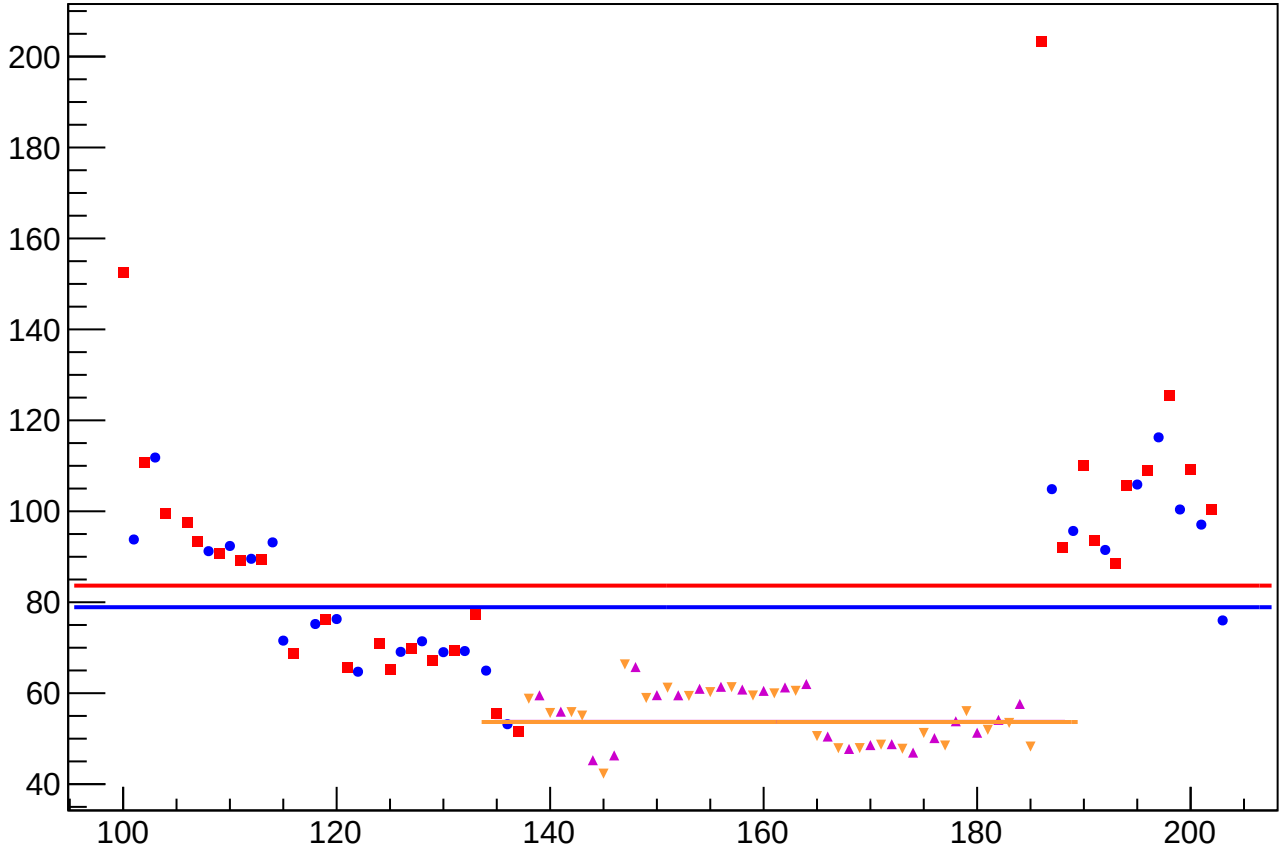
In: 380.078+/-0.053 χ^2/NDF:10223727.8/46

Out: 381.484+/-0.052 χ^2/NDF:13021472.0/53

All: 380.792+/-0.037 χ^2/NDF: 23245564.0/10


cor_asym_sam_15_26_dd_mean vs Slug, Sign Corrected
1000
800
600
400
200
0
−200
−400
−600
−800
100
120
140
160
180
200
Right In: -38.364+/-22.386 χ²/NDF: 17.3/23
Left Out: 6.526+/-12.287 χ²/NDF:50.6/24
Right Out: 30.170+/-22.741 χ²/NDF: 45.0/28
Left In: -21.335+/-12.649 χ²/NDF:25.4/22
Left: -7.000+/-8.814 χ²/NDF: 78.5/47
Right: -4.637+/-15.953 χ²/NDF: 66.9/52
In: -25.456+/-11.013 χ²/NDF:43.1/46
Out: 11.868+/-10.810 χ²/NDF:96.4/53
All: -6.447+/-7.715 χ²/NDF: 145.4/100

cor_asym_sam_15_26_dd_rms vs Slug, Sign Corrected



Right In: 78.909+/-0.016 χ^2/NDF: 1255786.2/23

Left Out: 53.666+/-0.009 χ^2/NDF:472206.8/24

Right Out: 83.657+/-0.016 χ^2/NDF: 1713003.7/28

Left In: 53.695+/-0.009 χ^2/NDF:471343.7/22

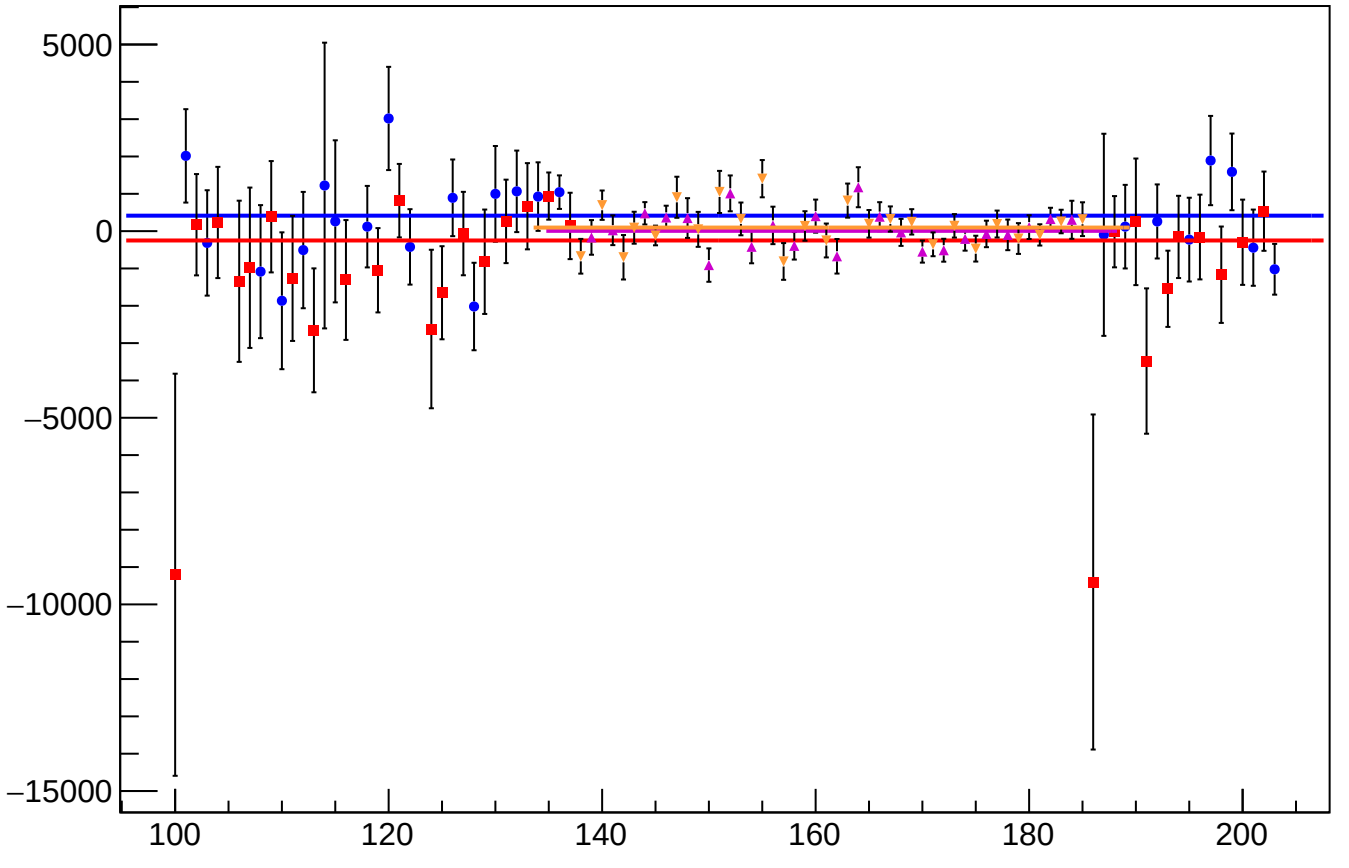
Left: 53.680+/-0.006 χ^2/NDF: 943555.9/47

Right: 81.245+/-0.011 χ^2/NDF: 3013055.7/52

In: 59.797+/-0.008 χ^2/NDF:3650435.8/46

Out: 60.442+/-0.008 χ^2/NDF:4877614.3/53

All: 60.126+/-0.005 χ^2/NDF: 8531548.4/100



Right In: 414.495+/-215.362 χ^2/NDF: 24.7/23

Left Out: 95.458+/-77.134 χ^2/NDF:33.2/24

Right Out: -250.146+/-230.038 χ^2/NDF: 25.1/28

Left In: 7.875+/-79.125 χ^2/NDF:32.3/22

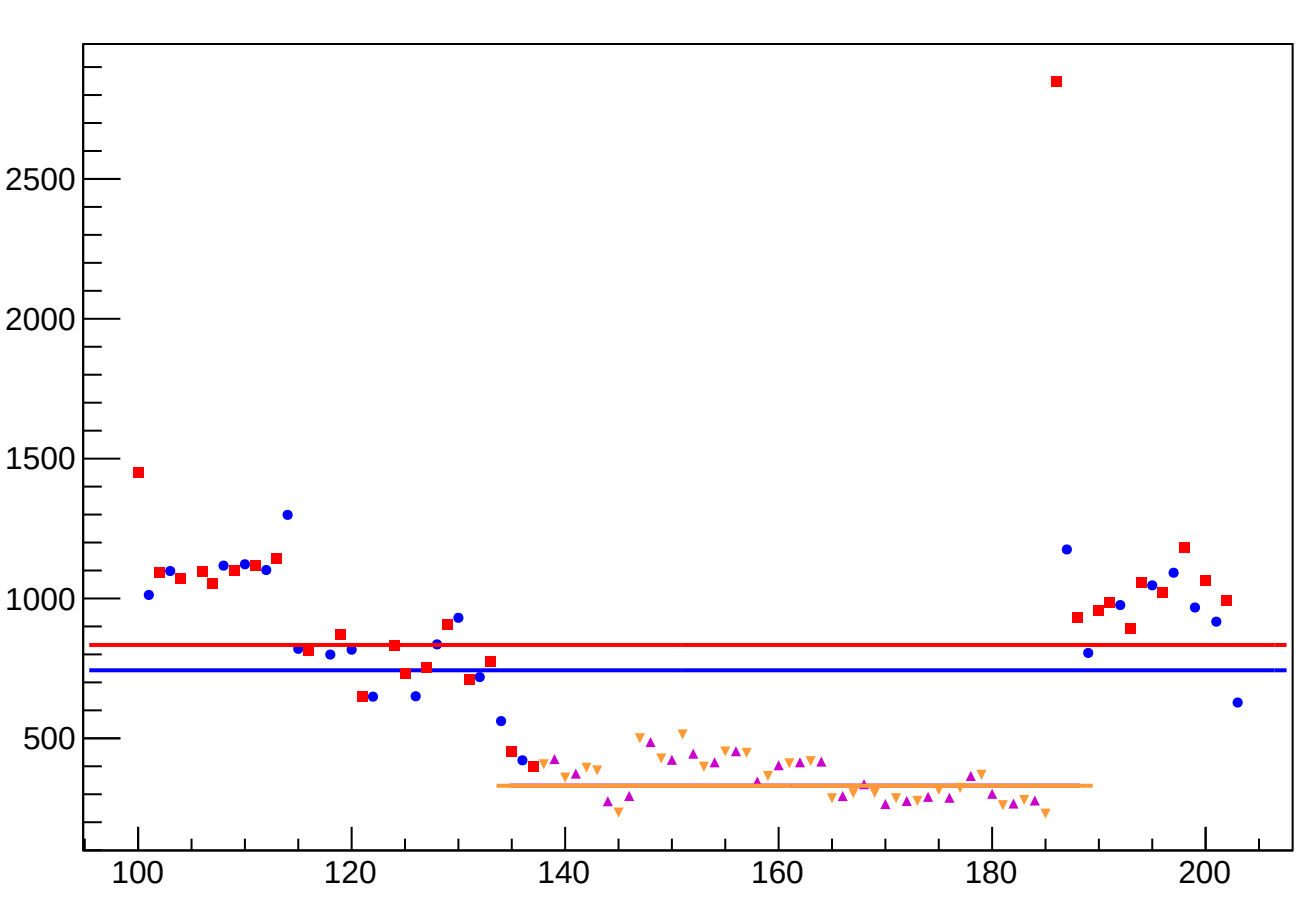
Left: 52.783+/-55.233 χ^2/NDF: 66.1/47

Right: 104.050+/-157.216 χ^2/NDF: 54.2/52

In: 56.236+/-74.271 χ^2/NDF:60.1/46

Out: 60.528+/-73.132 χ^2/NDF:60.3/53

All: 58.415+/-52.110 χ^2/NDF: 120.5/100



Right In: 743.215+/-0.152 χ^2/NDF: 2444225.4/23

Left Out: 330.405+/-0.055 χ^2/NDF:1752469.2/24

Right Out: 833.792+/-0.163 χ^2/NDF: 2597858.9/28

Left In: 331.058+/-0.056 χ^2/NDF:1325610.1/22

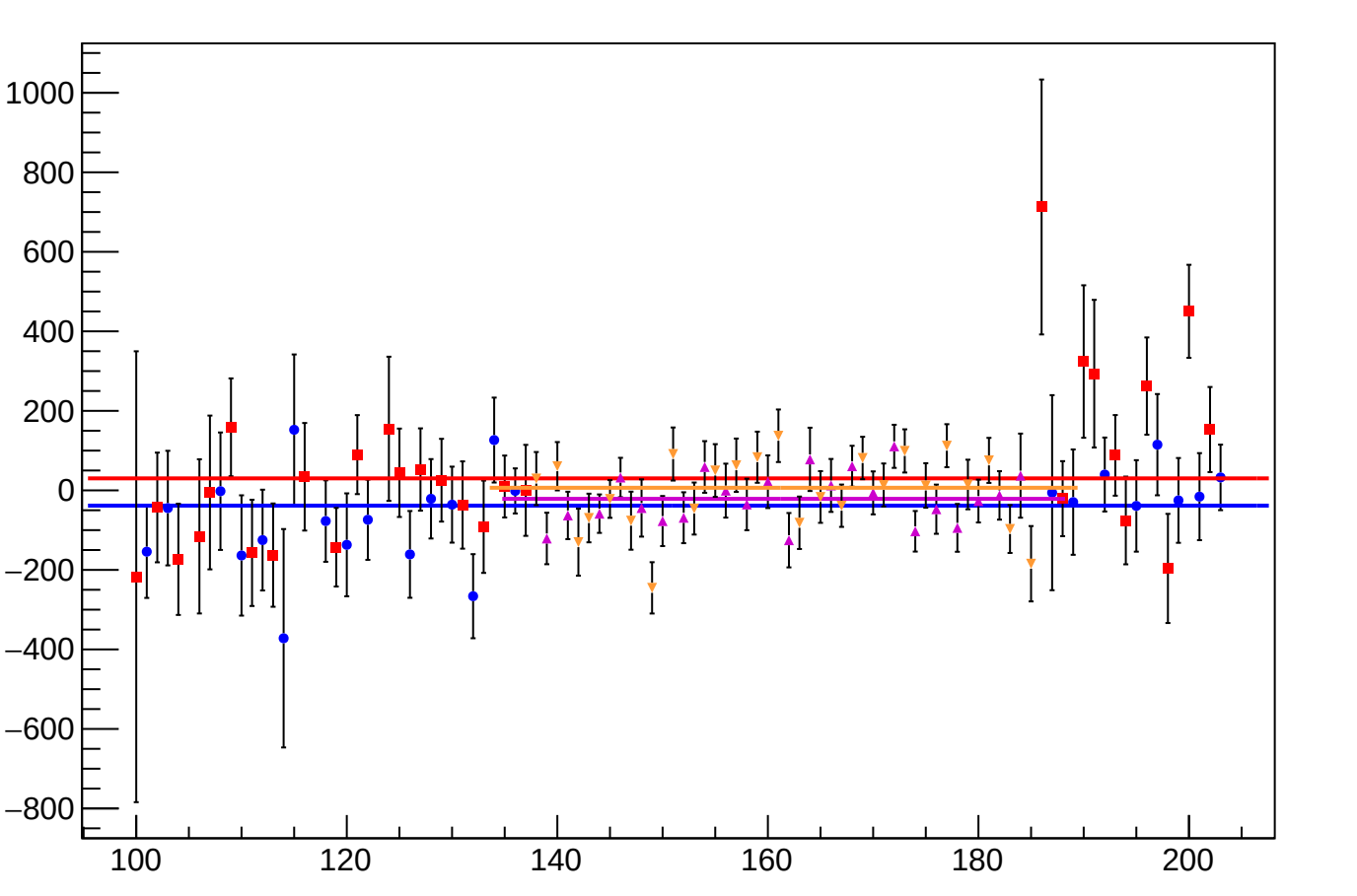
Left: 330.724+/-0.039 χ^2/NDF: 3078149.1/47

Right: 785.522+/-0.111 χ^2/NDF: 5207329.7/52

In: 380.077+/-0.053 χ^2/NDF:10223760.4/46

Out: 381.283+/-0.052 χ^2/NDF:12959509.2/53

All: 380.689+/-0.037 χ^2/NDF: 23183536.9/10



Right In: -38.364+/-22.386 χ^2/NDF: 17.3/23

Left Out: 6.526+/-12.287 χ^2/NDF:50.6/24

Right Out: 30.170+/-22.741 χ^2/NDF: 45.0/28

Left In: -21.335+/-12.649 χ^2/NDF:25.4/22

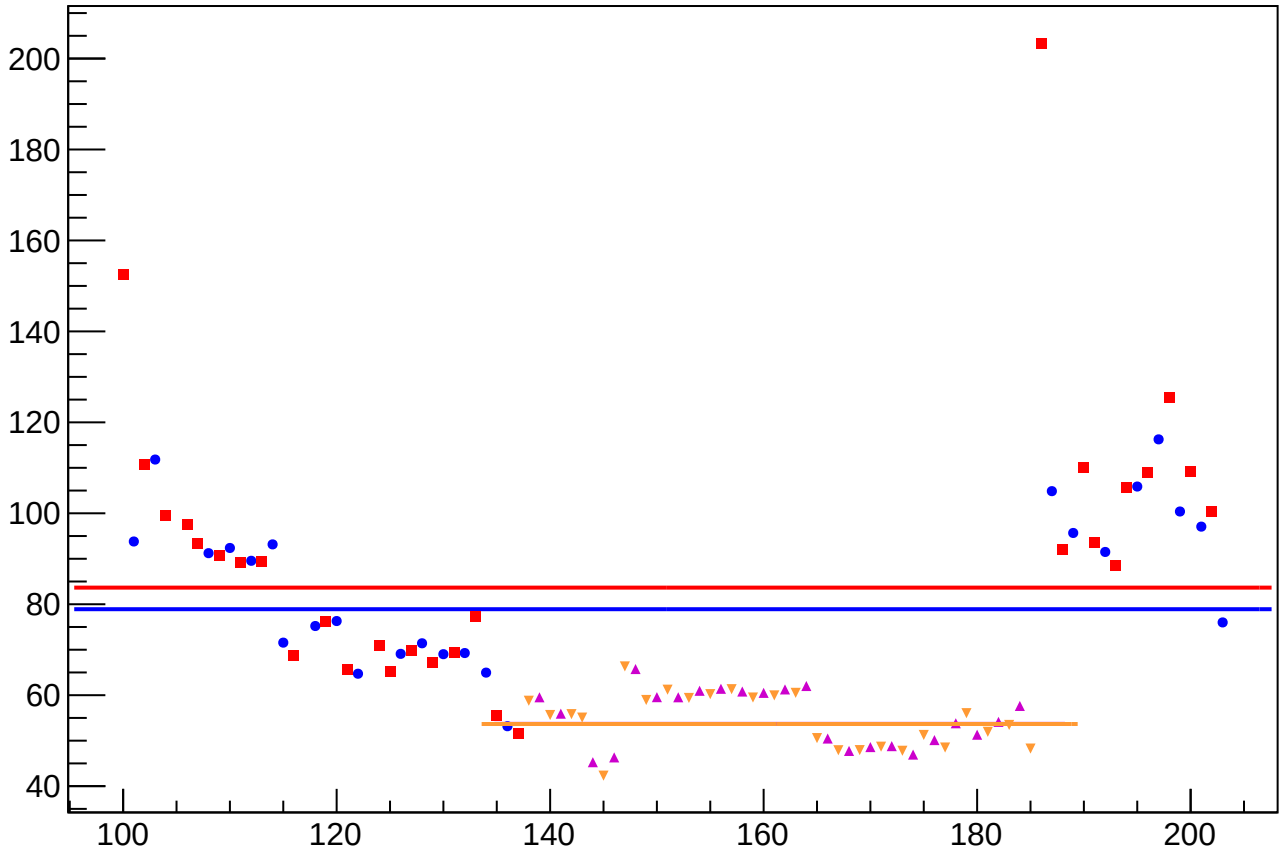
Left: -7.000+/-8.814 χ^2/NDF: 78.5/47

Right: -4.637+/-15.953 χ^2/NDF: 66.9/52

In: -25.456+/-11.013 χ^2/NDF:43.1/46

Out: 11.868+/-10.810 χ^2/NDF:96.4/53

All: -6.447+/-7.715 χ^2/NDF: 145.4/100



Right In: 78.909+/-0.016 χ^2/NDF: 1255786.2/23

Left Out: 53.666+/-0.009 χ^2/NDF:472206.8/24

Right Out: 83.657+/-0.016 χ^2/NDF: 1713003.7/28

Left In: 53.695+/-0.009 χ^2/NDF:471343.7/22

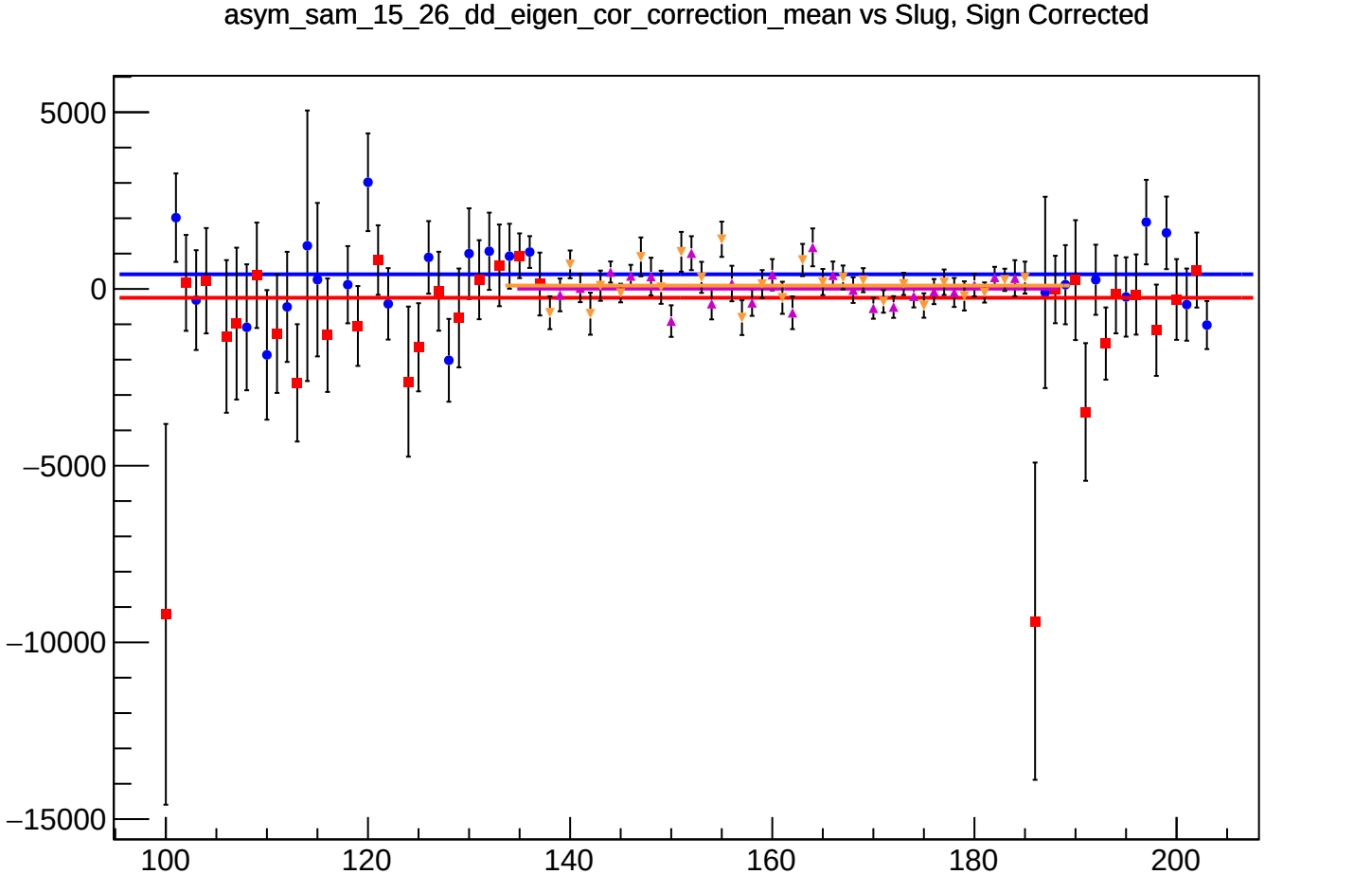
Left: 53.680+/-0.006 χ^2/NDF: 943555.9/47

Right: 81.245+/-0.011 χ^2/NDF: 3013055.7/52

In: 59.797+/-0.008 χ^2/NDF:3650435.8/46

Out: 60.442+/-0.008 χ^2/NDF:4877614.3/53

All: 60.126+/-0.005 χ^2/NDF: 8531548.4/100



Right In: 414.495+/-215.362 χ^2/NDF: 24.7/23

Left Out: 95.458+/-77.134 χ^2/NDF:33.2/24

Right Out: -250.146+/-230.038 χ^2/NDF: 25.1/28

Left In: 7.875+/-79.125 χ^2/NDF:32.3/22

Left: 52.783+/-55.233 χ^2/NDF: 66.1/47

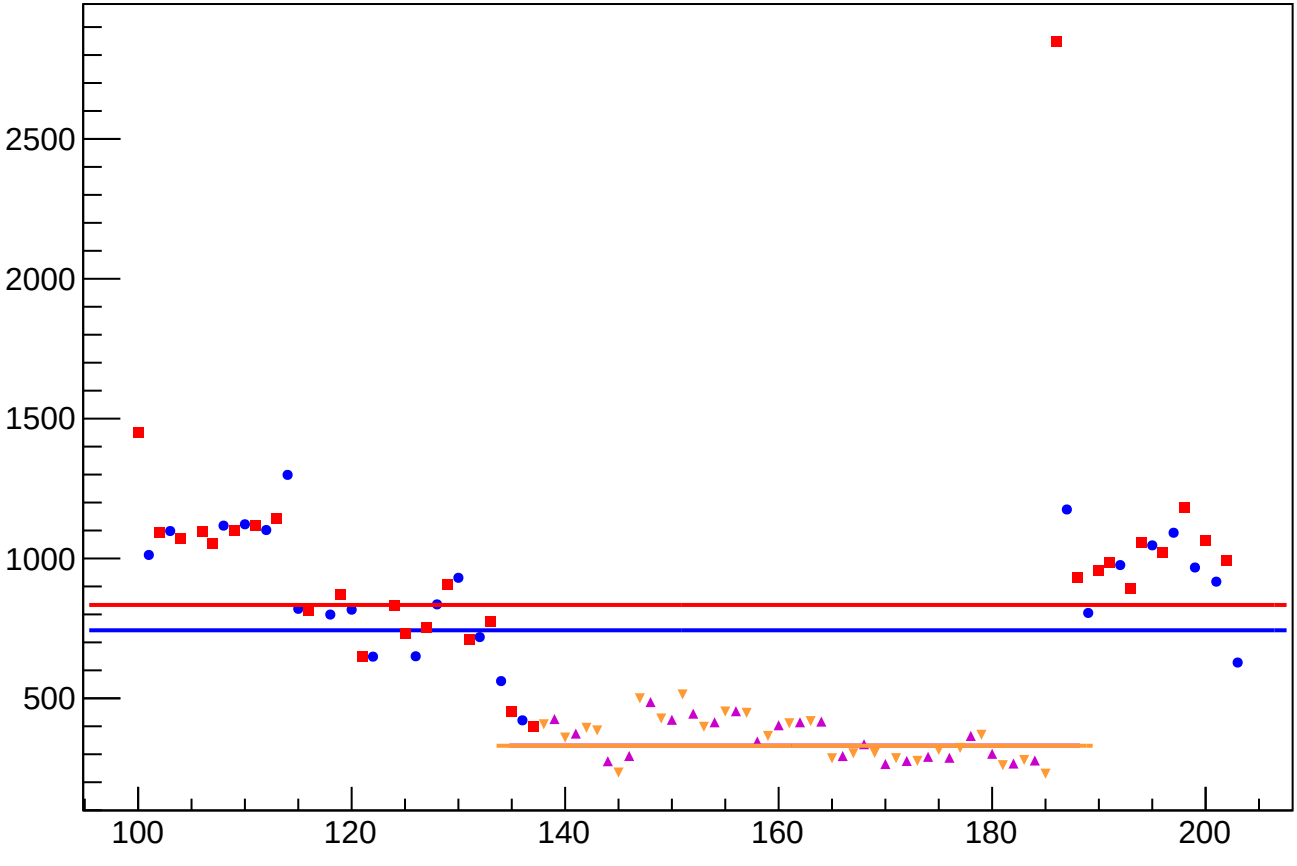
Right: 104.050+/-157.216 χ^2/NDF: 54.2/52

In: 56.236+/-74.271 χ^2/NDF:60.1/46

Out: 60.528+/-73.132 χ^2/NDF:60.3/53

All: 58.415+/-52.110 χ^2/NDF: 120.5/100

asym_sam_15_26_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 743.215+/-0.152 χ^2/NDF: 2444225.4/23

Left Out: 330.405+/-0.055 χ^2/NDF:1752469.2/24

Right Out: 833.792+/-0.163 χ^2/NDF: 2597858.9/28

Left In: 331.058+/-0.056 χ^2/NDF:1325610.1/22

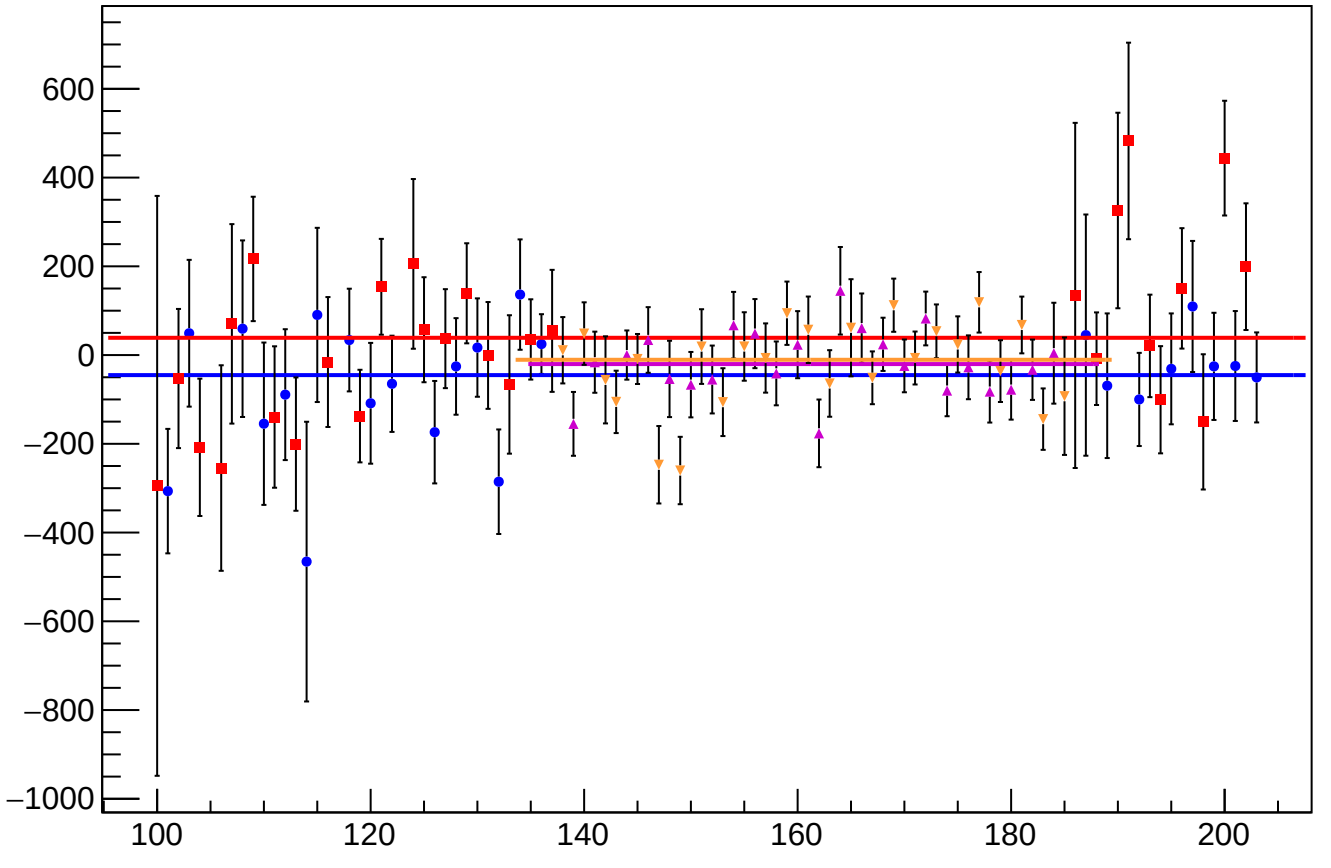
Left: 330.724+/-0.039 χ^2/NDF: 3078149.1/47

Right: 785.522+/-0.111 χ^2/NDF: 5207329.7/52

In: 380.077+/-0.053 χ^2/NDF:10223760.4/46

Out: 381.283+/-0.052 χ^2/NDF:12959509.2/53

All: 380.689+/-0.037 χ^2/NDF: 23183536.9/10



Right In: -45.155+/-25.657 χ^2/NDF: 18.0/23

Left Out: -10.614+/-14.311 χ^2/NDF:42.2/24

Right Out: 38.937+/-25.699 χ^2/NDF: 37.1/28

Left In: -20.306+/-14.750 χ^2/NDF:21.7/22

Left: -15.313+/-10.271 χ^2/NDF: 64.1/47

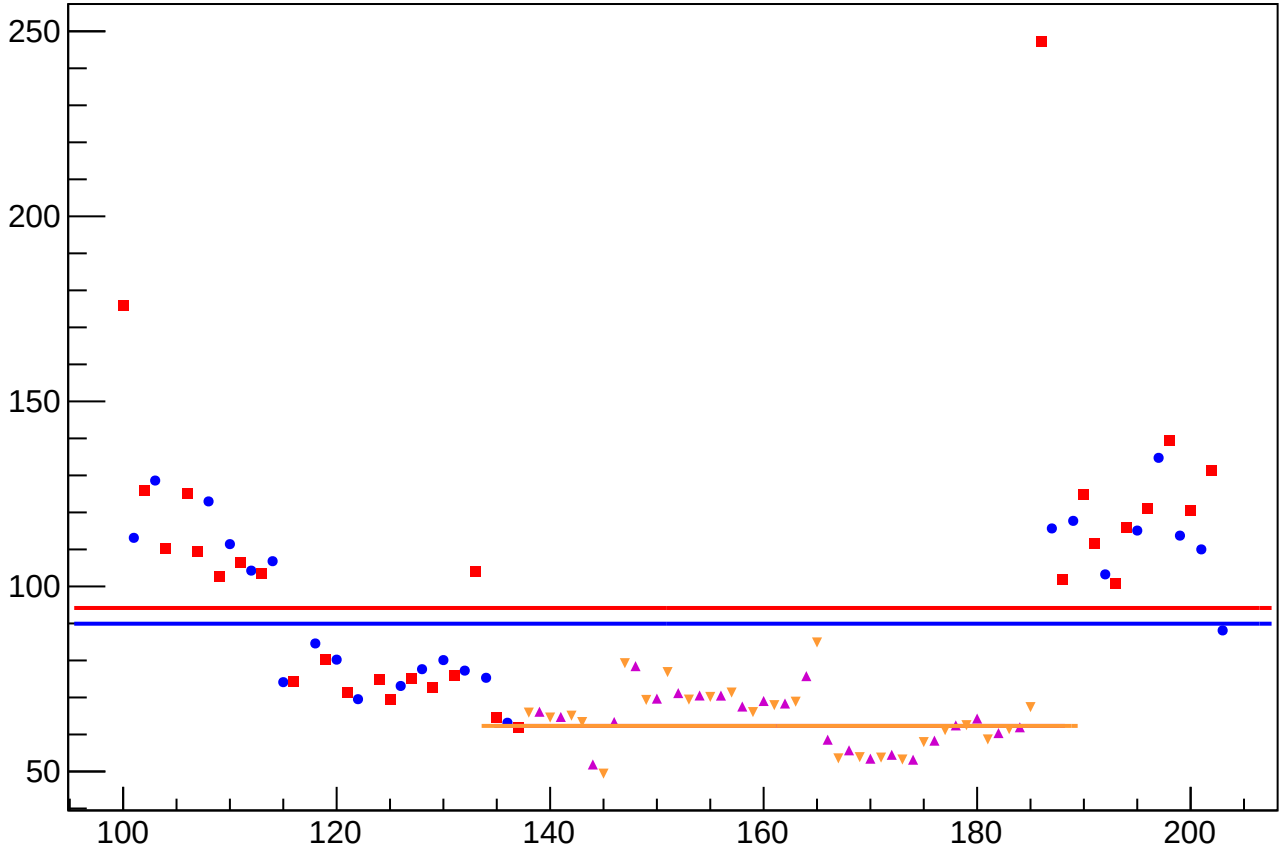
Right: -3.177+/-18.157 χ^2/NDF: 60.5/52

In: -26.479+/-12.787 χ^2/NDF:40.4/46

Out: 1.115+/-12.503 χ^2/NDF:82.1/53

All: -12.371+/-8.940 χ^2/NDF: 124.9/100

dit_asym_sam_15_26_dd_rms vs Slug, Sign Corrected



Right In: 89.932+/-0.018 χ^2/NDF: 1324548.9/23

Left Out: 62.316+/-0.010 χ^2/NDF:636269.1/24

Right Out: 94.180+/-0.018 χ^2/NDF: 1903354.0/28

Left In: 62.310+/-0.010 χ^2/NDF:484549.5/22

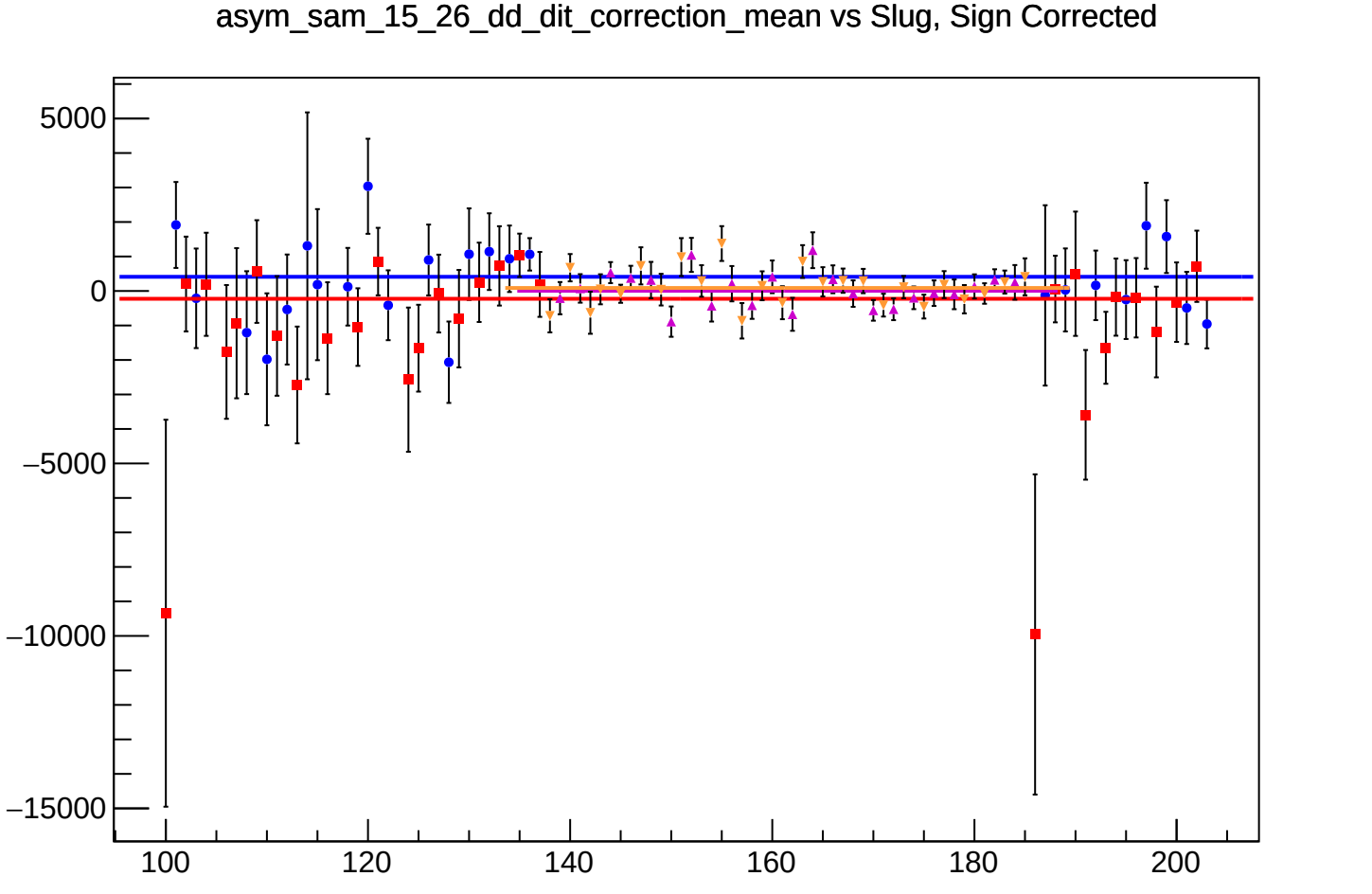
Left: 62.313+/-0.007 χ^2/NDF: 1120818.8/47

Right: 92.052+/-0.013 χ^2/NDF: 3255270.4/52

In: 69.172+/-0.009 χ^2/NDF:3551326.2/46

Out: 69.858+/-0.009 χ^2/NDF:4886544.9/53

All: 69.523+/-0.006 χ^2/NDF: 8440819.4/100



Right In: 411.182+/-221.594 χ^2/NDF: 24.0/23

Left Out: 86.985+/-79.837 χ^2/NDF:31.7/24

Right Out: -226.171+/-231.834 χ^2/NDF: 27.5/28

Left In: 6.497+/-82.111 χ^2/NDF:32.4/22

Left: 47.871+/-57.240 χ^2/NDF: 64.6/47

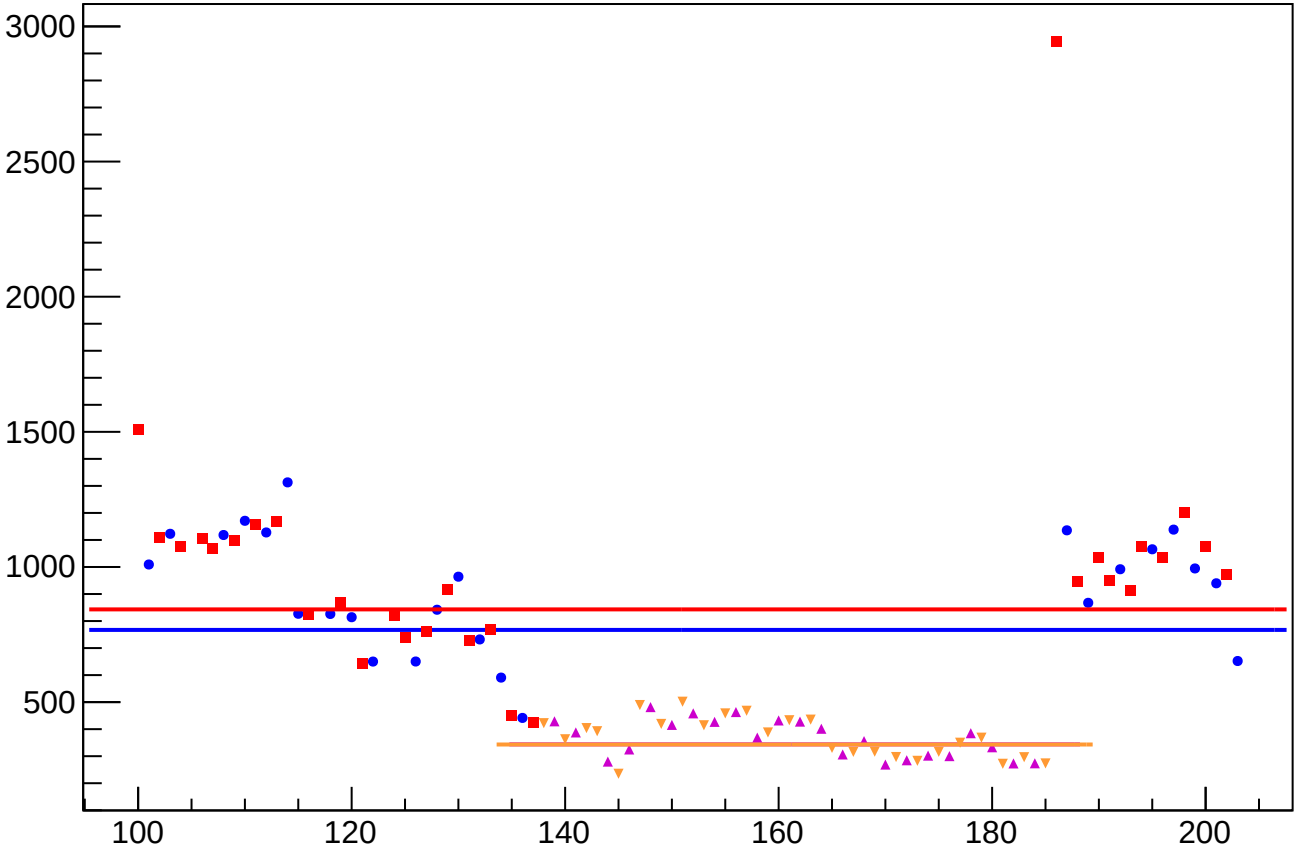
Right: 106.891+/-160.188 χ^2/NDF: 55.5/52

In: 55.353+/-76.995 χ^2/NDF:59.3/46

Out: 53.784+/-75.486 χ^2/NDF:60.8/53

All: 54.553+/-53.902 χ^2/NDF: 120.2/100

asym_sam_15_26_dd_dit_correction_rms vs Slug, Sign Corrected



Right In: 767.174+/-0.157 χ^2/NDF: 2315747.6/23

Left Out: 343.225+/-0.056 χ^2/NDF:1595394.3/24

Right Out: 843.106+/-0.164 χ^2/NDF: 2606280.2/28

Left In: 343.717+/-0.058 χ^2/NDF:1258376.8/22

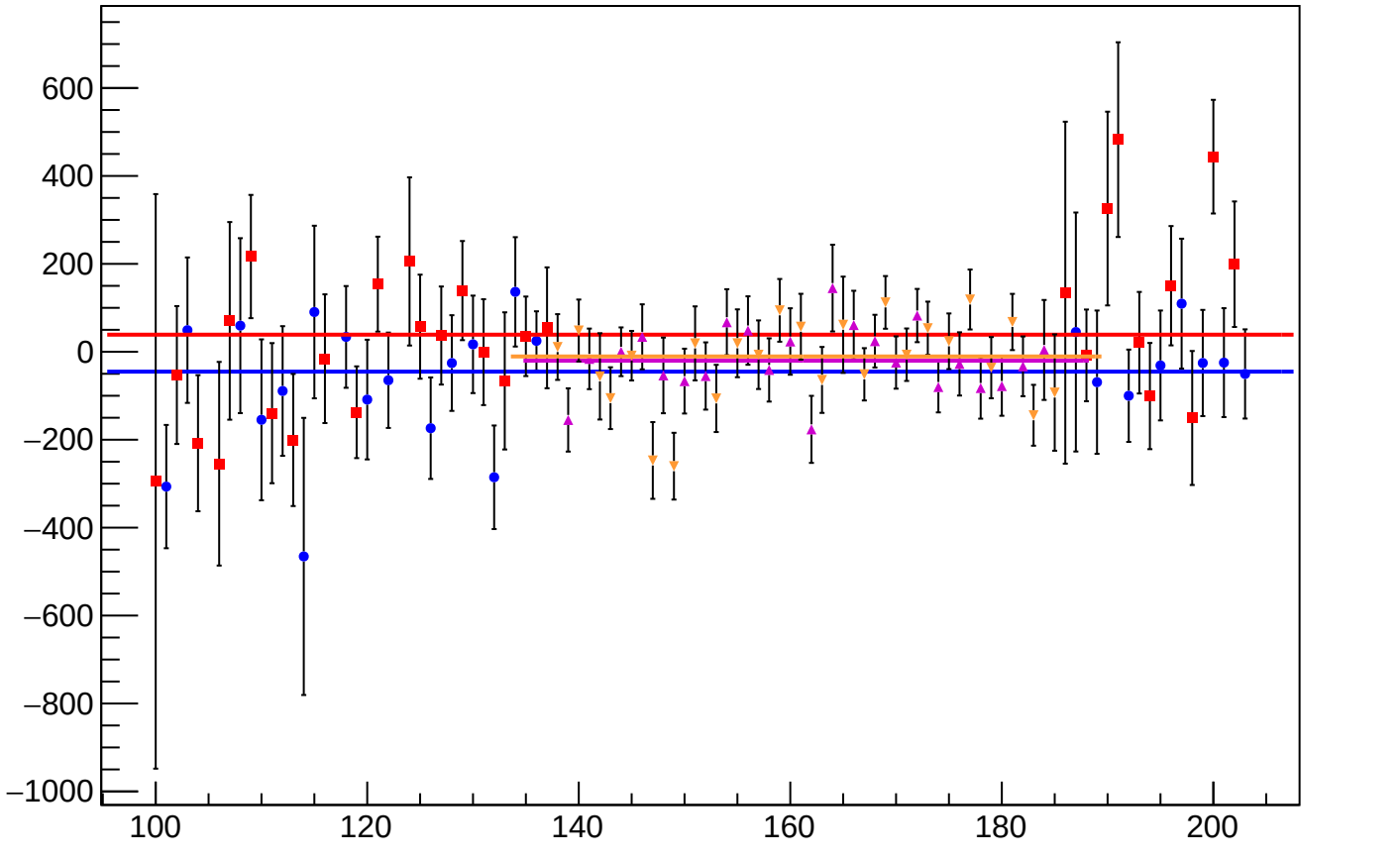
Left: 343.464+/-0.040 χ^2/NDF: 2853808.0/47

Right: 803.426+/-0.113 χ^2/NDF: 5034145.9/52

In: 394.840+/-0.054 χ^2/NDF:9995920.9/46

Out: 396.221+/-0.053 χ^2/NDF:12514340.4/53

All: 395.544+/-0.038 χ^2/NDF: 22510589.7/10



Right In: -45.156+/-25.657 χ^2/NDF: 18.0/23

Left Out: -10.613+/-14.311 χ^2/NDF:42.2/24

Right Out: 38.938+/-25.698 χ^2/NDF: 37.1/28

Left In: -20.306+/-14.750 χ^2/NDF:21.7/22

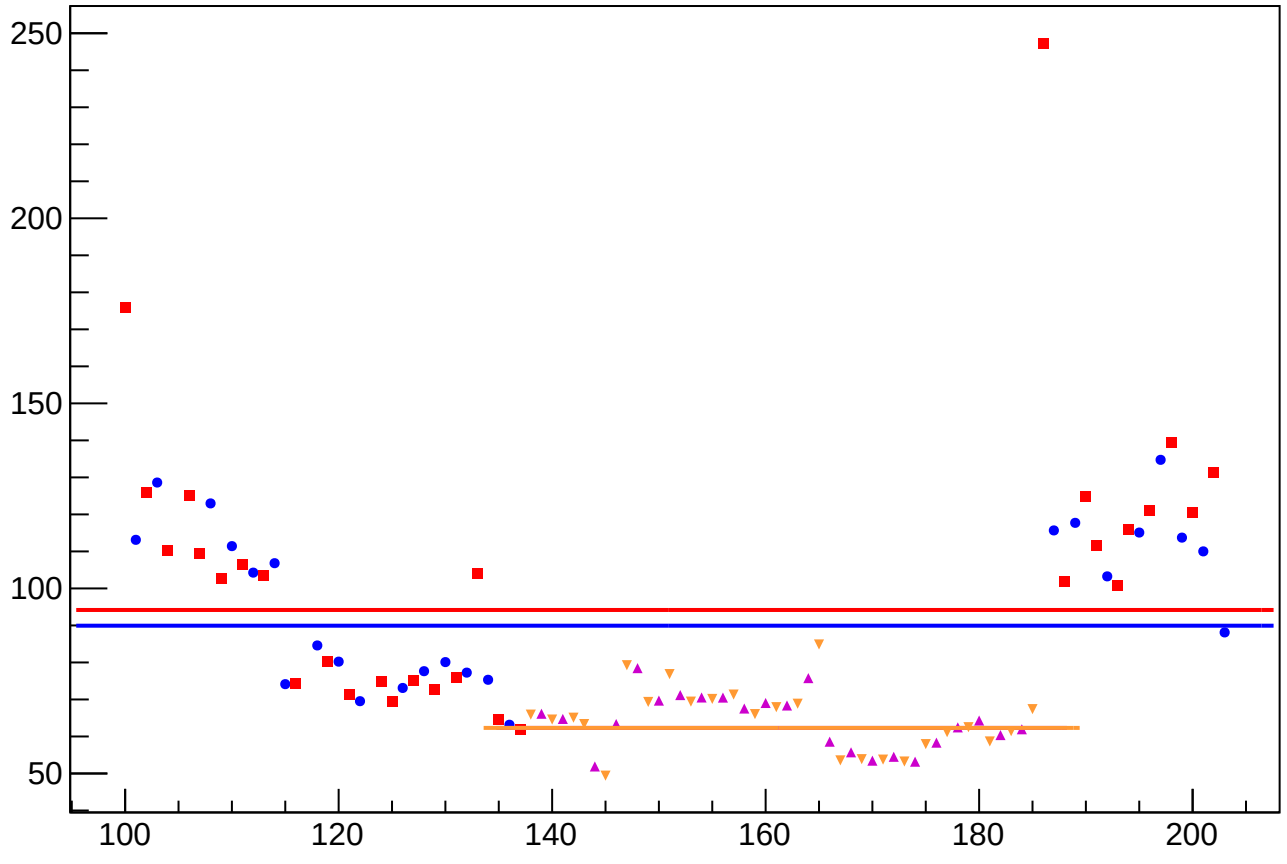
Left: -15.313+/-10.271 χ^2/NDF: 64.1/47

Right: -3.177+/-18.157 χ^2/NDF: 60.5/52

In: -26.479+/-12.788 χ^2/NDF:40.4/46

Out: 1.116+/-12.503 χ^2/NDF:82.1/53

All: -12.371+/-8.940 χ^2/NDF: 124.9/100



Right In: 89.932+/-0.018 χ^2/NDF: 1324567.4/23

Left Out: 62.316+/-0.010 χ^2/NDF:636268.2/24

Right Out: 94.180+/-0.018 χ^2/NDF: 1903355.2/28

Left In: 62.311+/-0.010 χ^2/NDF:484544.3/22

Left: 62.314+/-0.007 χ^2/NDF: 1120812.6/47

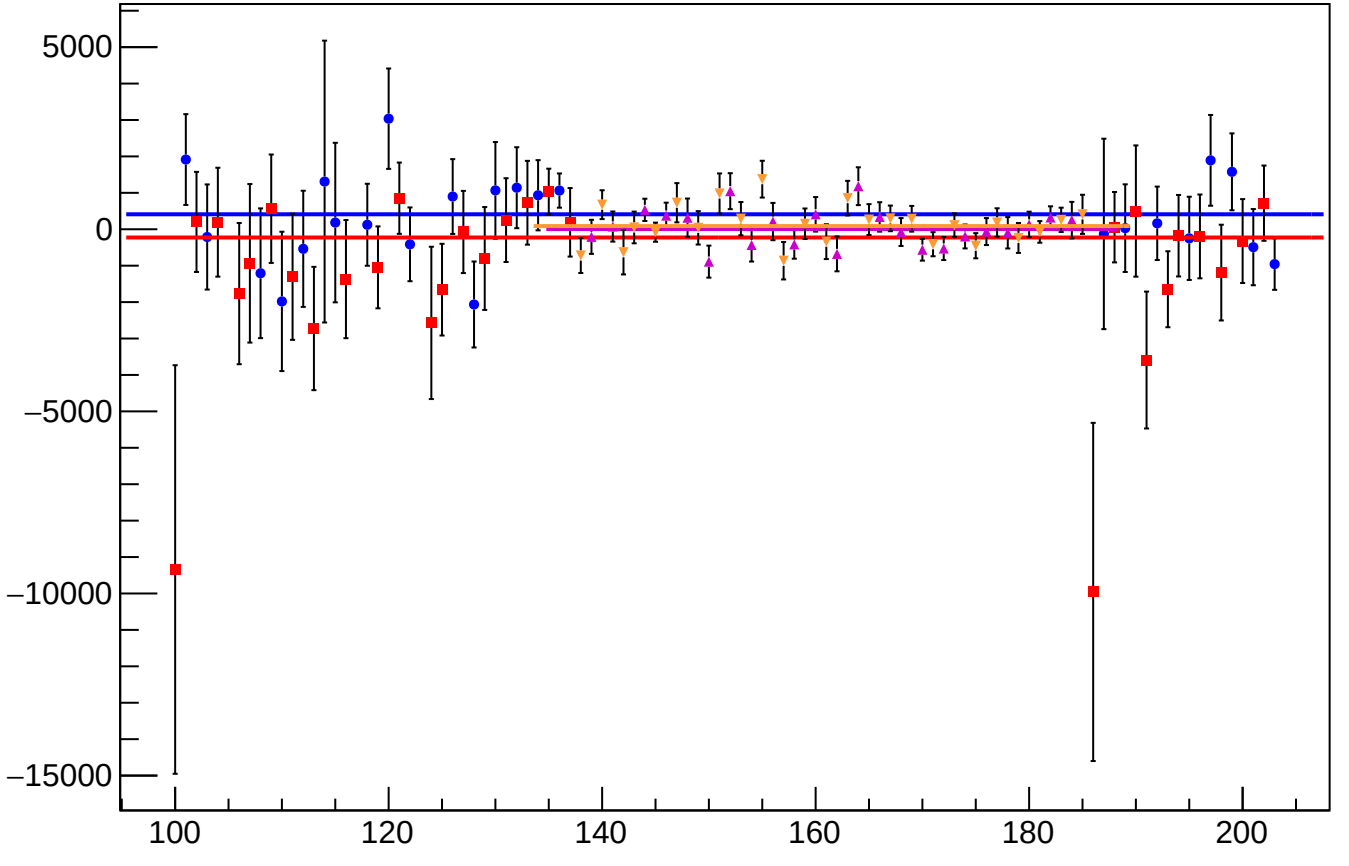
Right: 92.052+/-0.013 χ^2/NDF: 3255292.0/52

In: 69.172+/-0.009 χ^2/NDF:3551279.1/46

Out: 69.858+/-0.009 χ^2/NDF:4886511.6/53

All: 69.523+/-0.006 χ^2/NDF: 8440738.2/100

asym_sam_15_26_dd_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: 411.182+/-221.594 χ^2/NDF: 24.0/23

Left Out: 86.985+/-79.837 χ^2/NDF:31.7/24

Right Out: -226.172+/-231.833 χ^2/NDF: 27.5/28

Left In: 6.497+/-82.111 χ^2/NDF:32.4/22

Left: 47.871+/-57.240 χ^2/NDF: 64.6/47

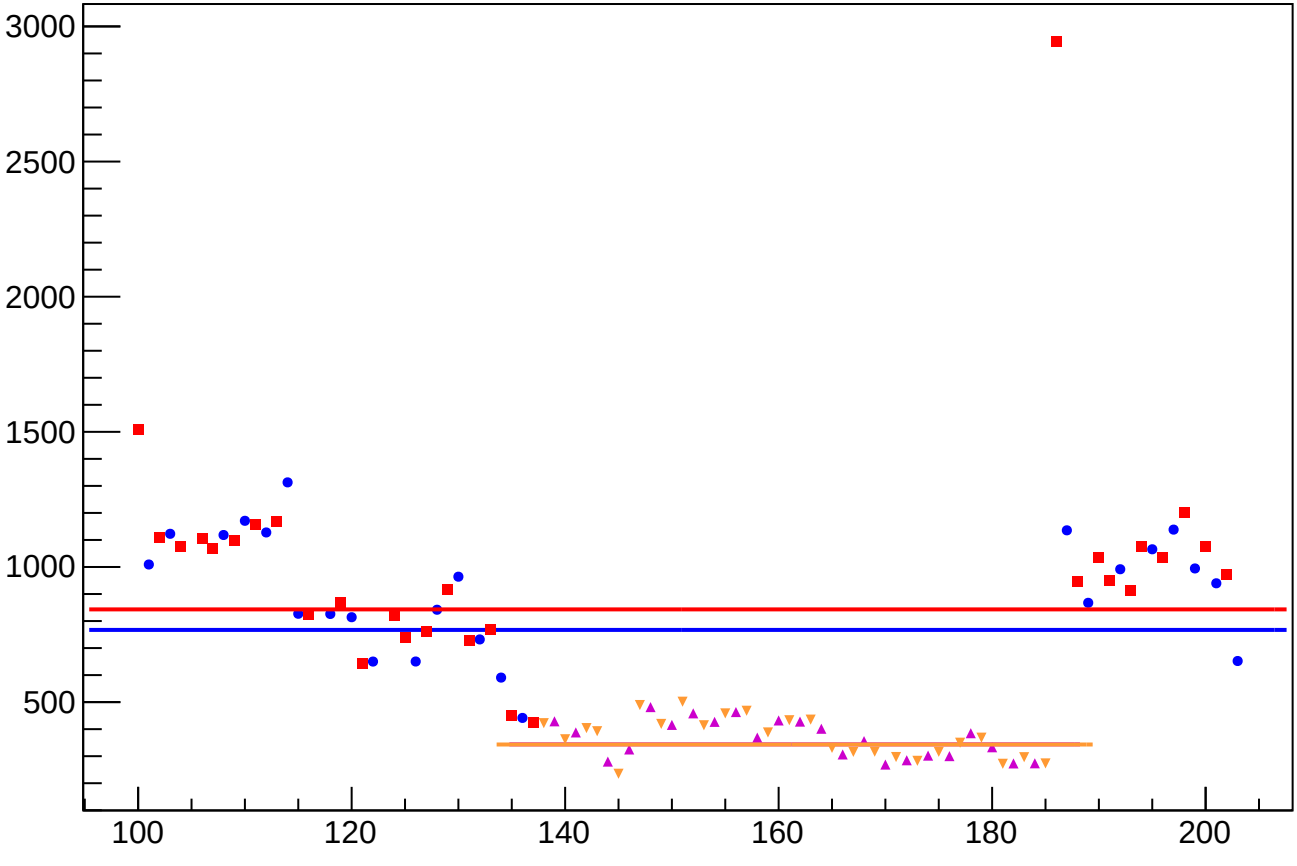
Right: 106.891+/-160.188 χ^2/NDF: 55.5/52

In: 55.354+/-76.995 χ^2/NDF:59.3/46

Out: 53.785+/-75.486 χ^2/NDF:60.8/53

All: 54.554+/-53.902 χ^2/NDF: 120.2/100

asym_sam_15_26_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 767.174+/-0.157 χ^2/NDF: 2315736.1/23

Left Out: 343.225+/-0.056 χ^2/NDF:1595415.4/24

Right Out: 843.106+/-0.164 χ^2/NDF: 2606278.6/28

Left In: 343.717+/-0.058 χ^2/NDF:1258392.0/22

Left: 343.464+/-0.040 χ^2/NDF: 2853844.3/47

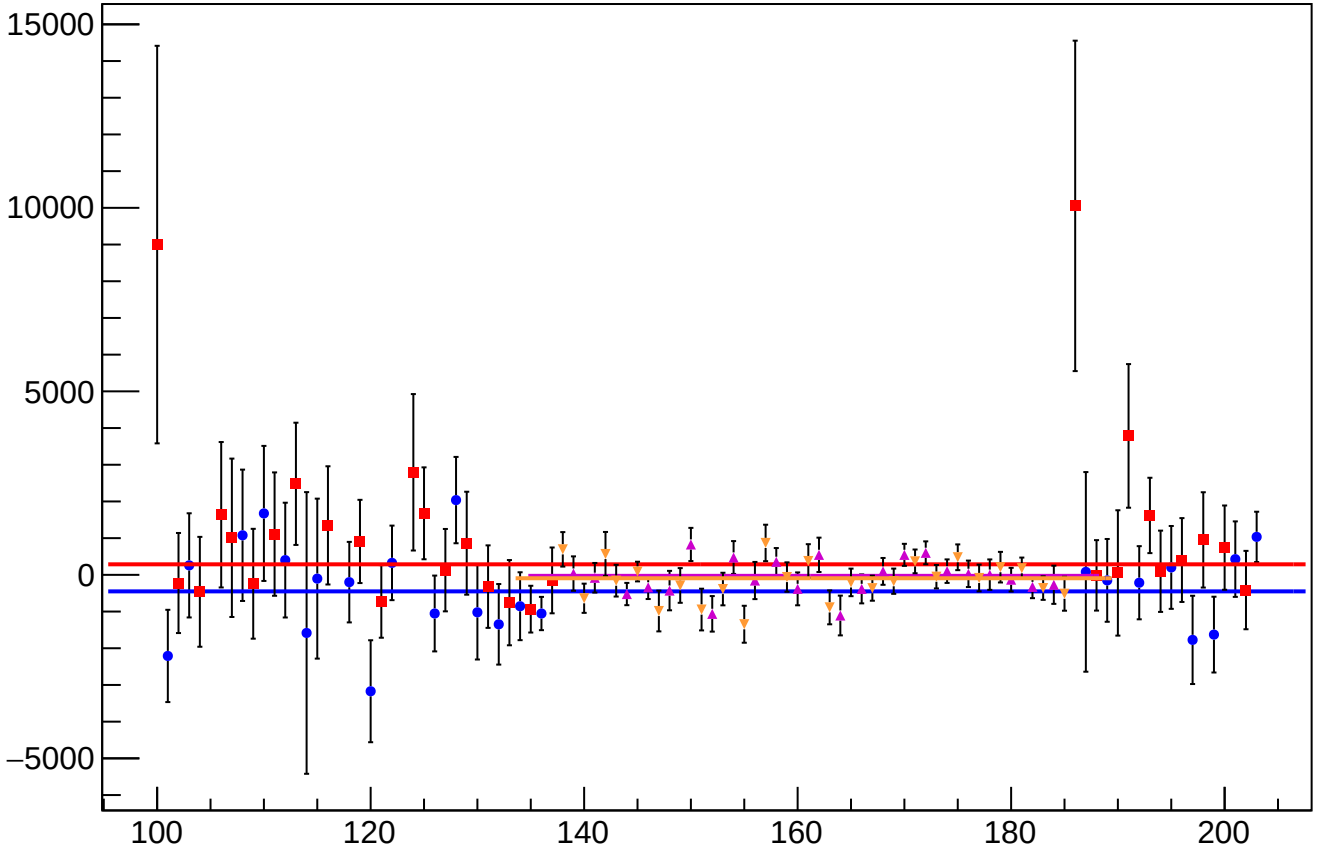
Right: 803.426+/-0.113 χ^2/NDF: 5034131.5/52

In: 394.840+/-0.054 χ^2/NDF:9995917.6/46

Out: 396.221+/-0.053 χ^2/NDF:12514346.6/53

All: 395.544+/-0.038 χ^2/NDF: 22510592.5/10

asym_sam_15_26_dd_mean vs Slug, Sign Corrected



Right In: -450.284+/-216.720 χ^2/NDF: 25.2/23

Left Out: -92.671+/-78.184 χ^2/NDF:34.2/24

Right Out: 286.943+/-231.034 χ^2/NDF: 25.9/28

Left In: -27.173+/-80.207 χ^2/NDF:30.9/22

Left: -60.759+/-55.986 χ^2/NDF: 65.4/47

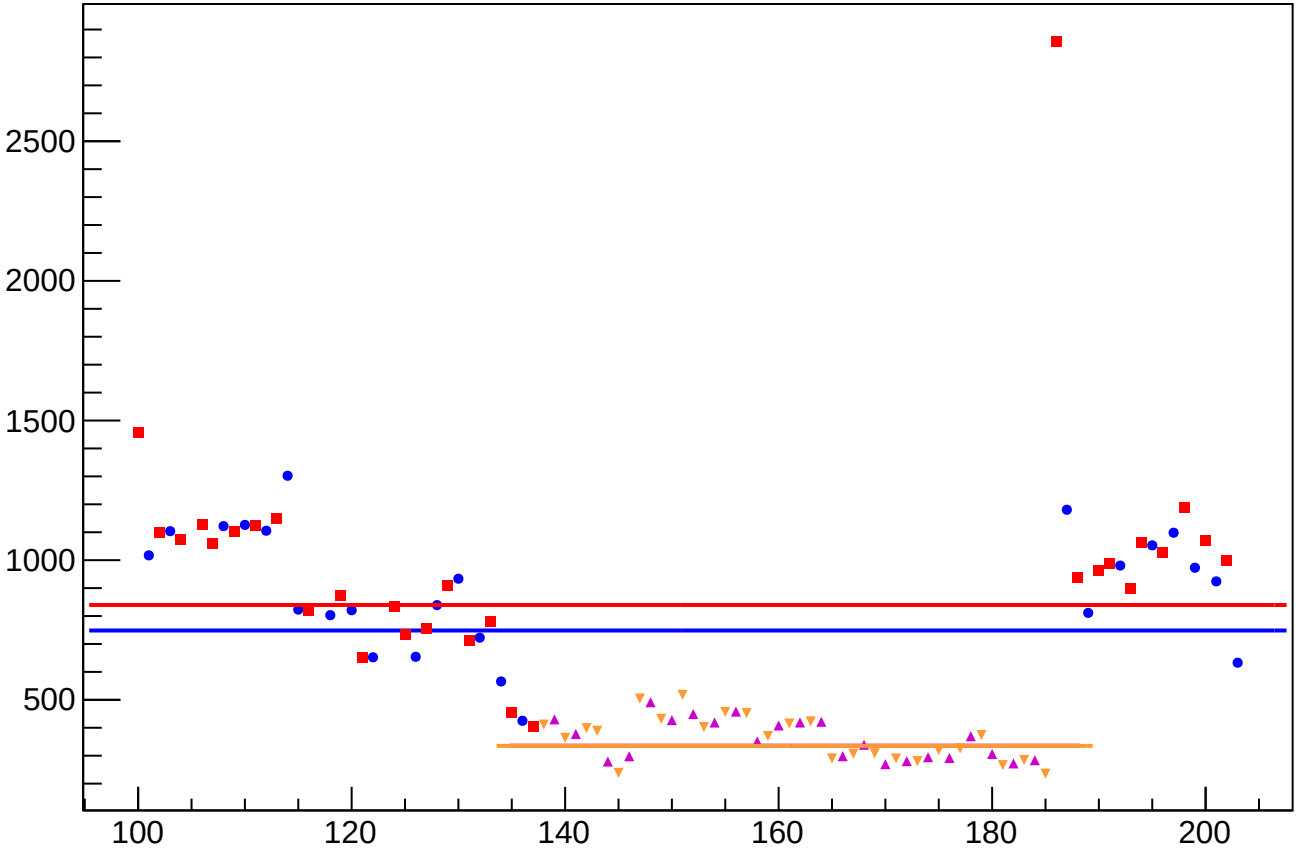
Right: -105.214+/-158.063 χ^2/NDF: 56.5/52

In: -78.146+/-75.221 χ^2/NDF:59.5/46

Out: -53.664+/-74.059 χ^2/NDF:62.5/53

All: -65.714+/-52.774 χ^2/NDF: 122.0/100

asym_sam_15_26_dd_rms vs Slug, Sign Corrected



Right In: 748.256+/-0.153 χ^2/NDF: 2422835.5/23

Left Out: 335.150+/-0.055 χ^2/NDF:1706014.2/24

Right Out: 839.577+/-0.163 χ^2/NDF: 2595867.4/28

Left In: 335.787+/-0.057 χ^2/NDF:1291376.5/22

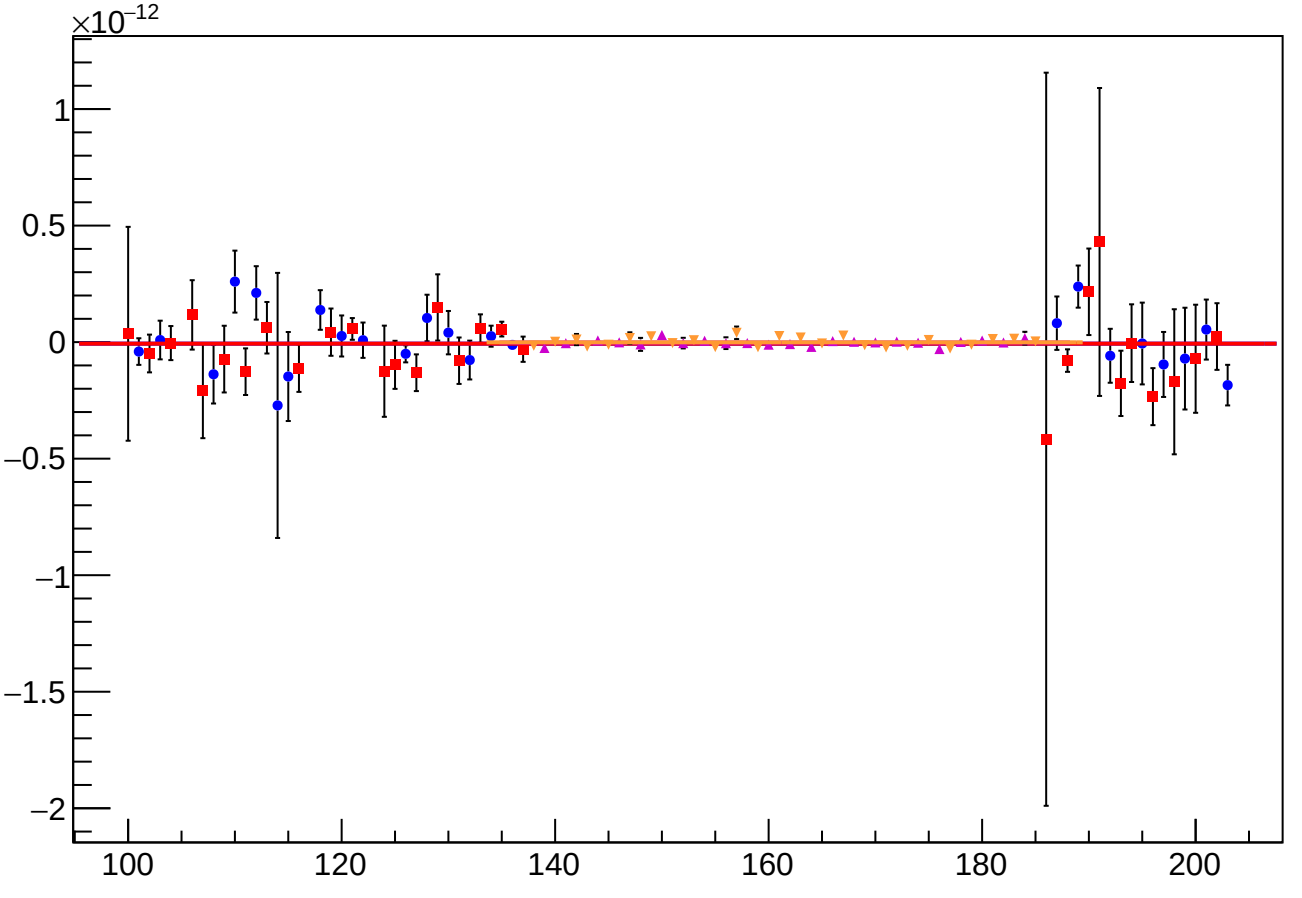
Left: 335.460+/-0.040 χ^2/NDF: 2997455.5/47

Right: 791.000+/-0.112 χ^2/NDF: 5184921.3/52

In: 385.477+/-0.053 χ^2/NDF:10086021.5/46

Out: 386.981+/-0.052 χ^2/NDF:12856203.6/53

All: 386.241+/-0.037 χ^2/NDF: 22942631.1/10



Right In: -0.000+/-0.000 χ^2/NDF: 30.2/23

Left Out: -0.000+/-0.000 χ^2/NDF:33.3/24

Right Out: -0.000+/-0.000 χ^2/NDF: 27.3/28

Left In: -0.000+/-0.000 χ^2/NDF:14.8/22

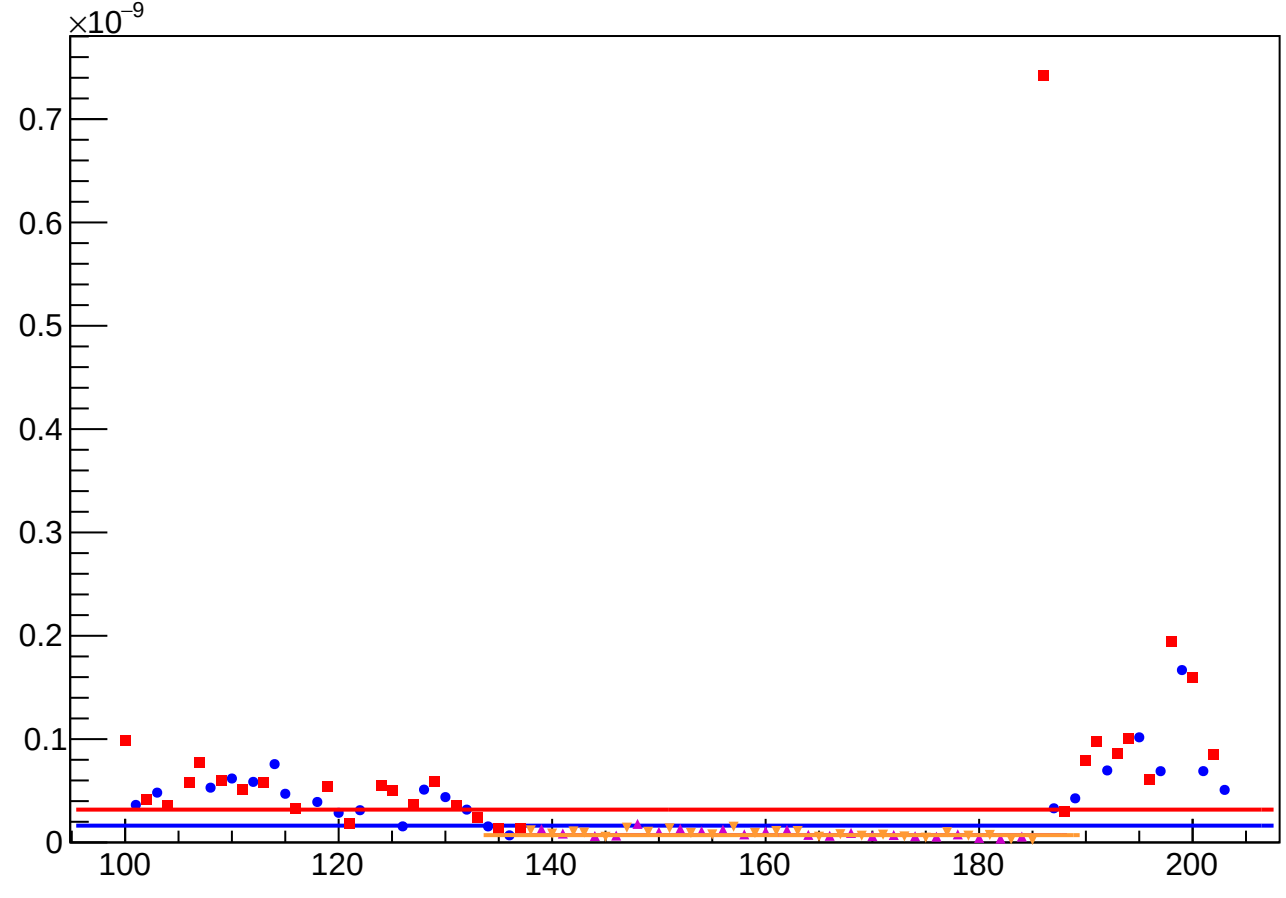
Left: -0.000+/-0.000 χ^2/NDF: 48.1/47

Right: -0.000+/-0.000 χ^2/NDF: 57.5/52

In: -0.000+/-0.000 χ^2/NDF:45.2/46

Out: -0.000+/-0.000 χ^2/NDF:60.7/53

All: -0.000+/-0.000 χ^2/NDF: 105.9/100



Right In: 0.000+/-0.000 χ^2/NDF: 6183740.3/23

Left Out: 0.000+/-0.000 χ^2/NDF:2000233.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 4616138.2/28

Left In: 0.000+/-0.000 χ^2/NDF:1604062.0/22

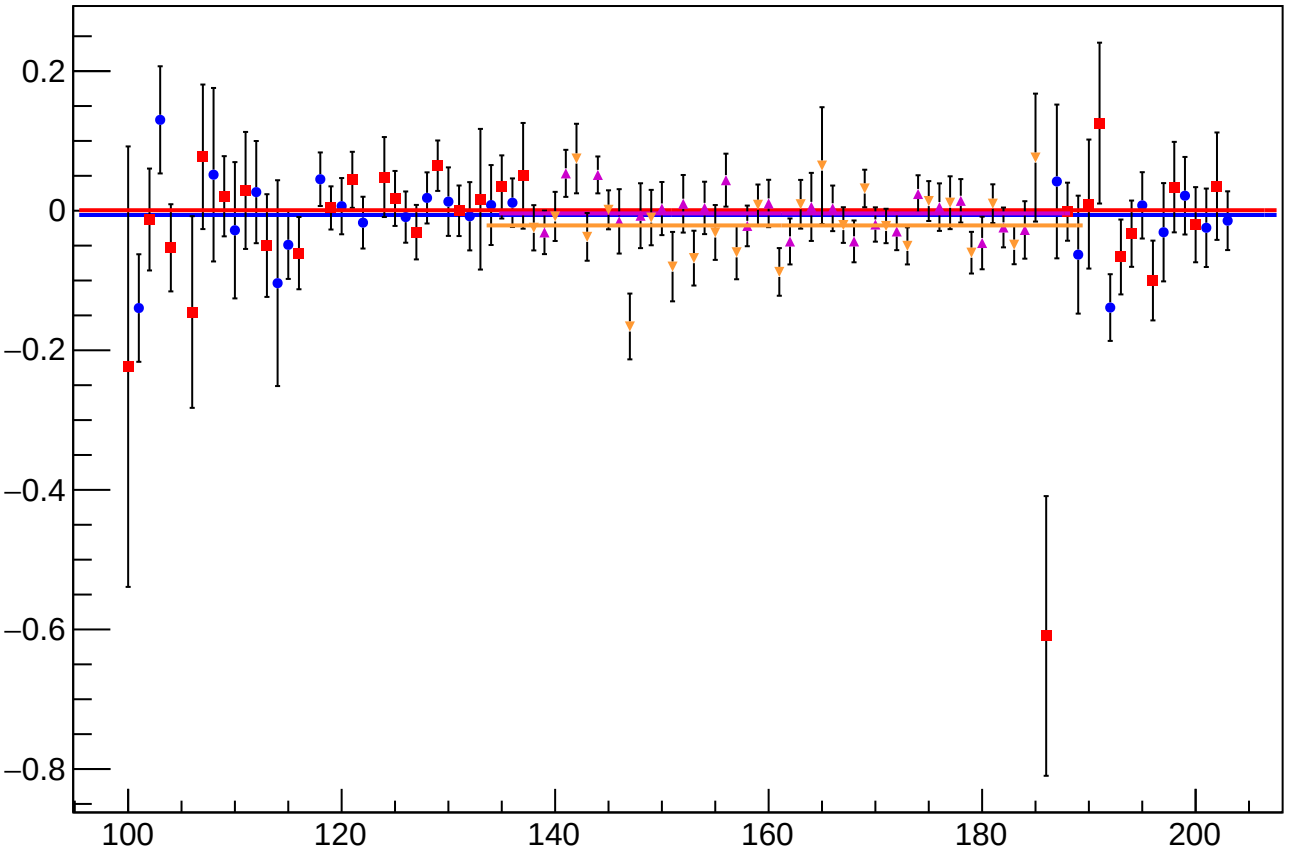
Left: 0.000+/-0.000 χ^2/NDF: 3606525.6/47

Right: 0.000+/-0.000 χ^2/NDF: 12169537.8/52

In: 0.000+/-0.000 χ^2/NDF:9252989.8/46

Out: 0.000+/-0.000 χ^2/NDF:11372201.2/53

All: 0.000+/-0.000 χ^2/NDF: 20625816.6/100



Right In: -0.006+/-0.010 χ^2/NDF: 19.7/23

Left Out: -0.021+/-0.007 χ^2/NDF:37.2/24

Right Out: 0.001+/-0.010 χ^2/NDF: 28.1/28

Left In: -0.004+/-0.007 χ^2/NDF:18.7/22

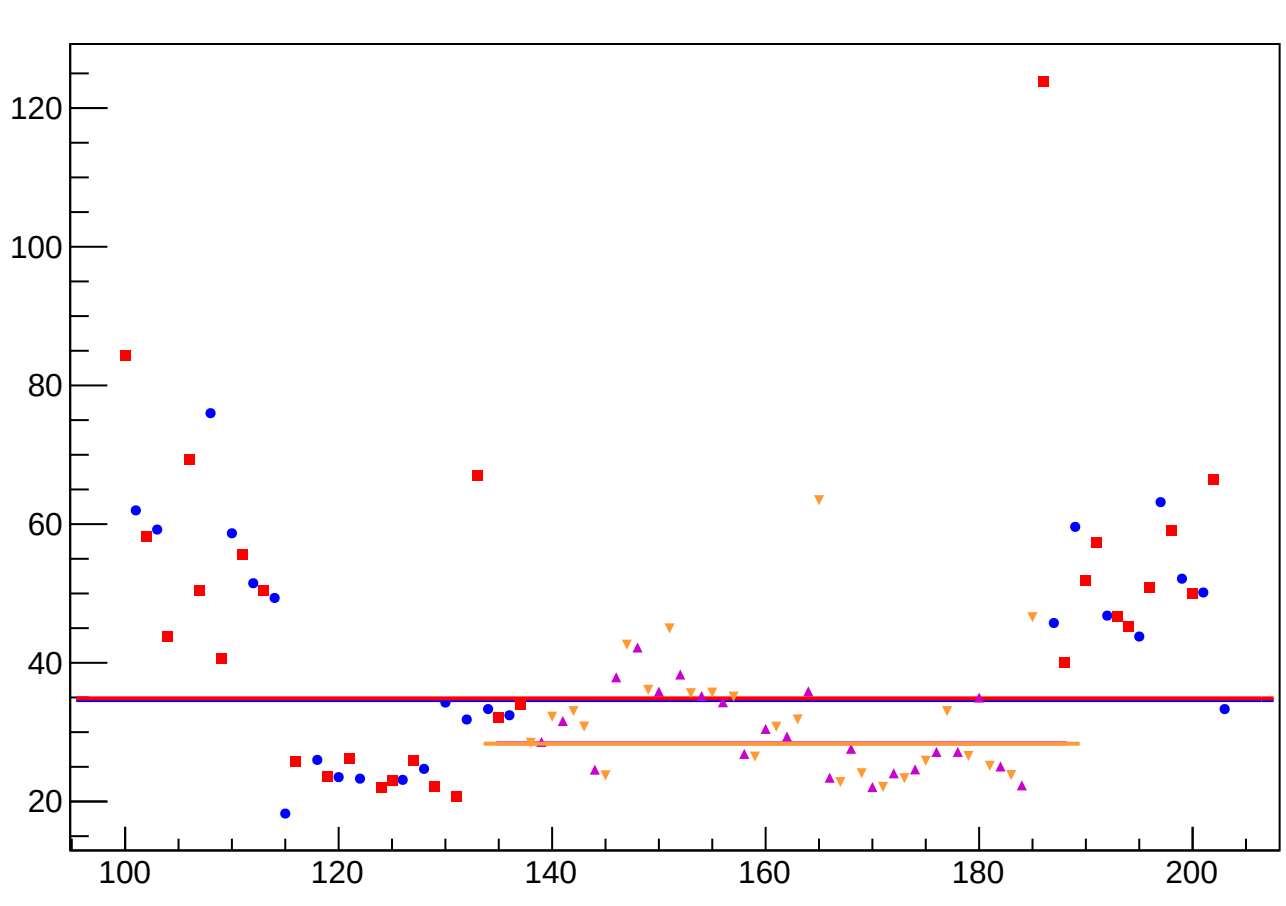
Left: -0.013+/-0.005 χ^2/NDF: 59.1/47

Right: -0.003+/-0.007 χ^2/NDF: 48.0/52

In: -0.005+/-0.006 χ^2/NDF:38.4/46

Out: -0.014+/-0.006 χ^2/NDF:68.5/53

All: -0.010+/-0.004 χ^2/NDF: 108.5/100



Right In: 34.623+/-0.007 χ^2/NDF: 3029601.2/23

Left Out: 28.342+/-0.005 χ^2/NDF:1733592.1/24

Right Out: 34.869+/-0.007 χ^2/NDF: 3960763.0/28

Left In: 28.389+/-0.005 χ^2/NDF:1098849.1/22

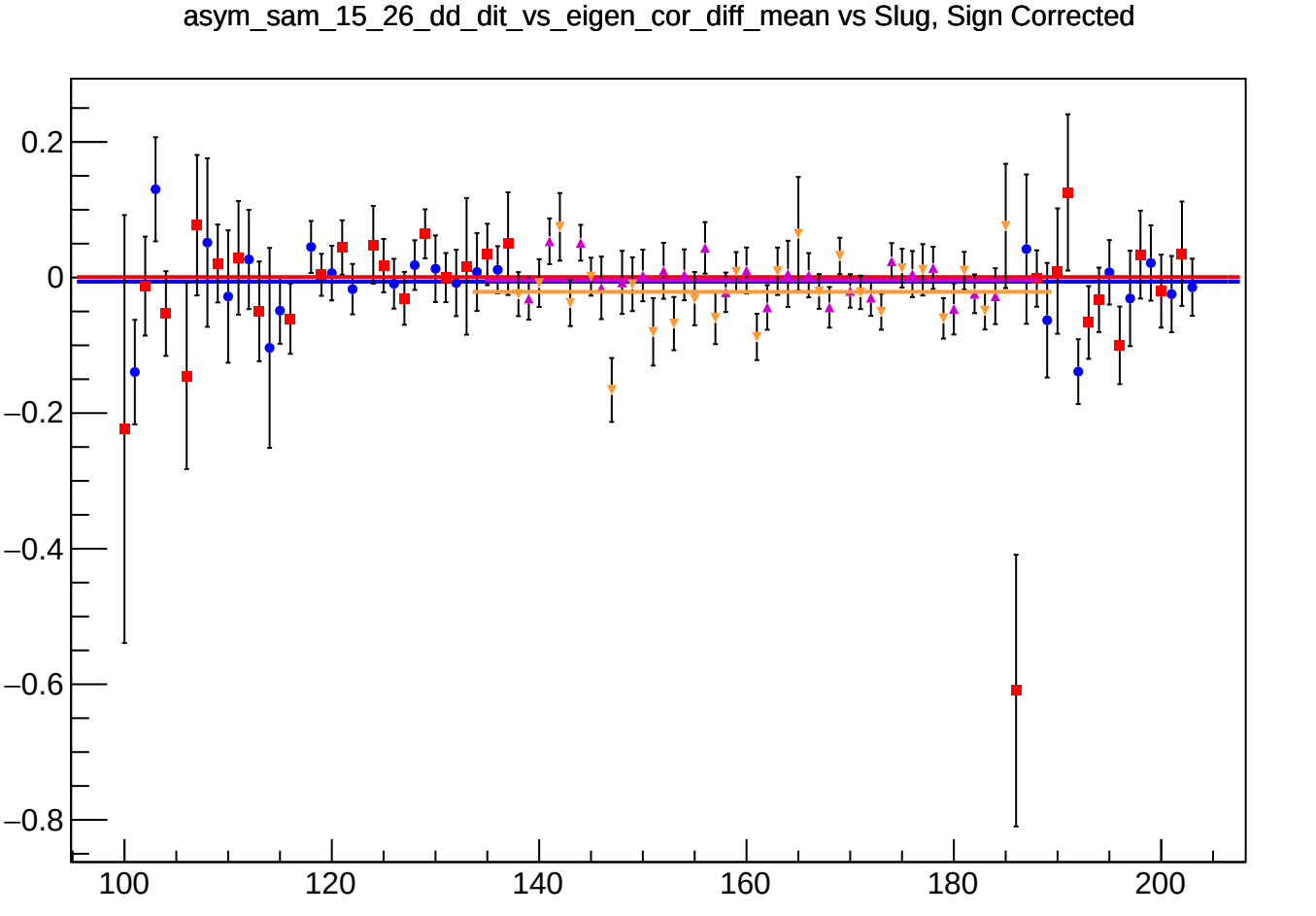
Left: 28.365+/-0.003 χ^2/NDF: 2832490.4/47

Right: 34.751+/-0.005 χ^2/NDF: 6990936.7/52

In: 30.264+/-0.004 χ^2/NDF:4625170.2/46

Out: 30.325+/-0.004 χ^2/NDF:6276259.1/53

All: 30.295+/-0.003 χ^2/NDF: 10901544.2/100



Right In: -0.006+/-0.010 χ^2/NDF: 19.7/23

Left Out: -0.021+/-0.007 χ^2/NDF:37.2/24

Right Out: 0.001+/-0.010 χ^2/NDF: 28.1/28

Left In: -0.004+/-0.007 χ^2/NDF:18.7/22

Left: -0.013+/-0.005 χ^2/NDF: 59.1/47

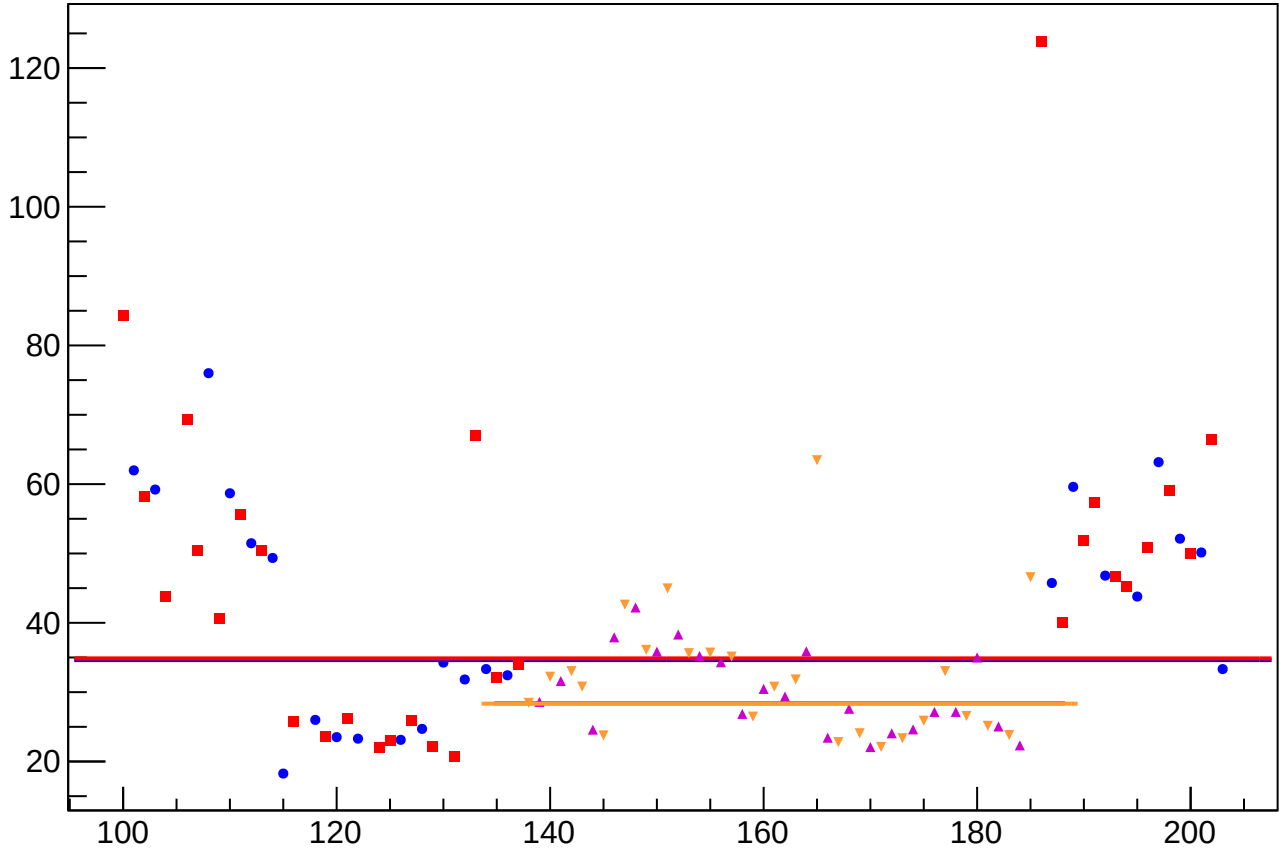
Right: -0.003+/-0.007 χ^2/NDF: 48.0/52

In: -0.005+/-0.006 χ^2/NDF:38.4/46

Out: -0.014+/-0.006 χ^2/NDF:68.5/53

All: -0.010+/-0.004 χ^2/NDF: 108.5/100

asym_sam_15_26_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 34.623+/-0.007 χ^2/NDF: 3029601.2/23

Left Out: 28.342+/-0.005 χ^2/NDF:1733592.1/24

Right Out: 34.869+/-0.007 χ^2/NDF: 3960763.0/28

Left In: 28.389+/-0.005 χ^2/NDF:1098849.1/22

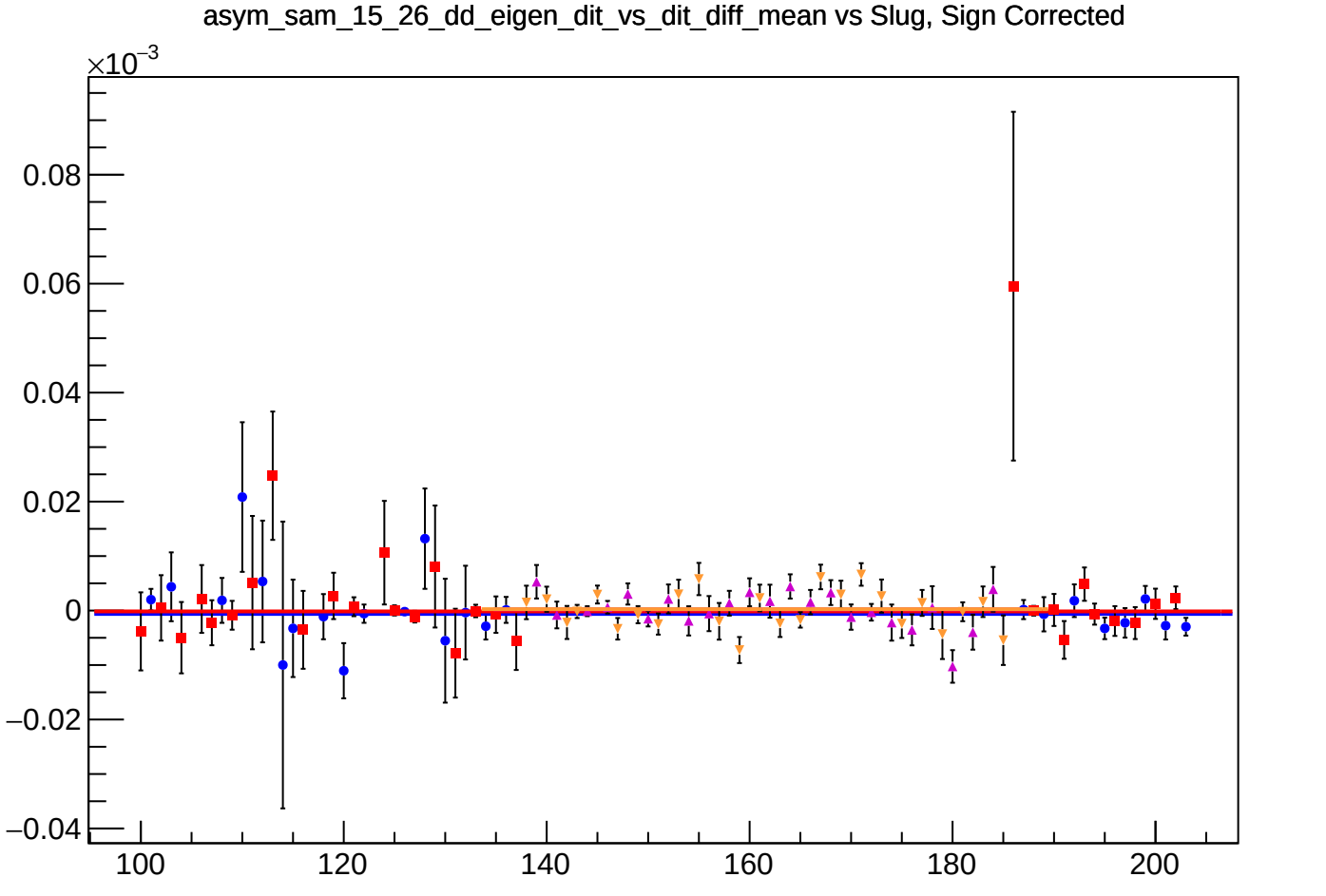
Left: 28.365+/-0.003 χ^2/NDF: 2832490.4/47

Right: 34.751+/-0.005 χ^2/NDF: 6990936.7/52

In: 30.264+/-0.004 χ^2/NDF:4625170.2/46

Out: 30.325+/-0.004 χ^2/NDF:6276259.1/53

All: 30.295+/-0.003 χ^2/NDF: 10901544.2/100



Right In: -0.000+/-0.000 χ^2/NDF: 20.8/23

Left Out: 0.000+/-0.000 χ^2/NDF:50.8/24

Right Out: -0.000+/-0.000 χ^2/NDF: 22.7/28

Left In: 0.000+/-0.000 χ^2/NDF:33.2/22

Left: 0.000+/-0.000 χ^2/NDF: 84.0/47

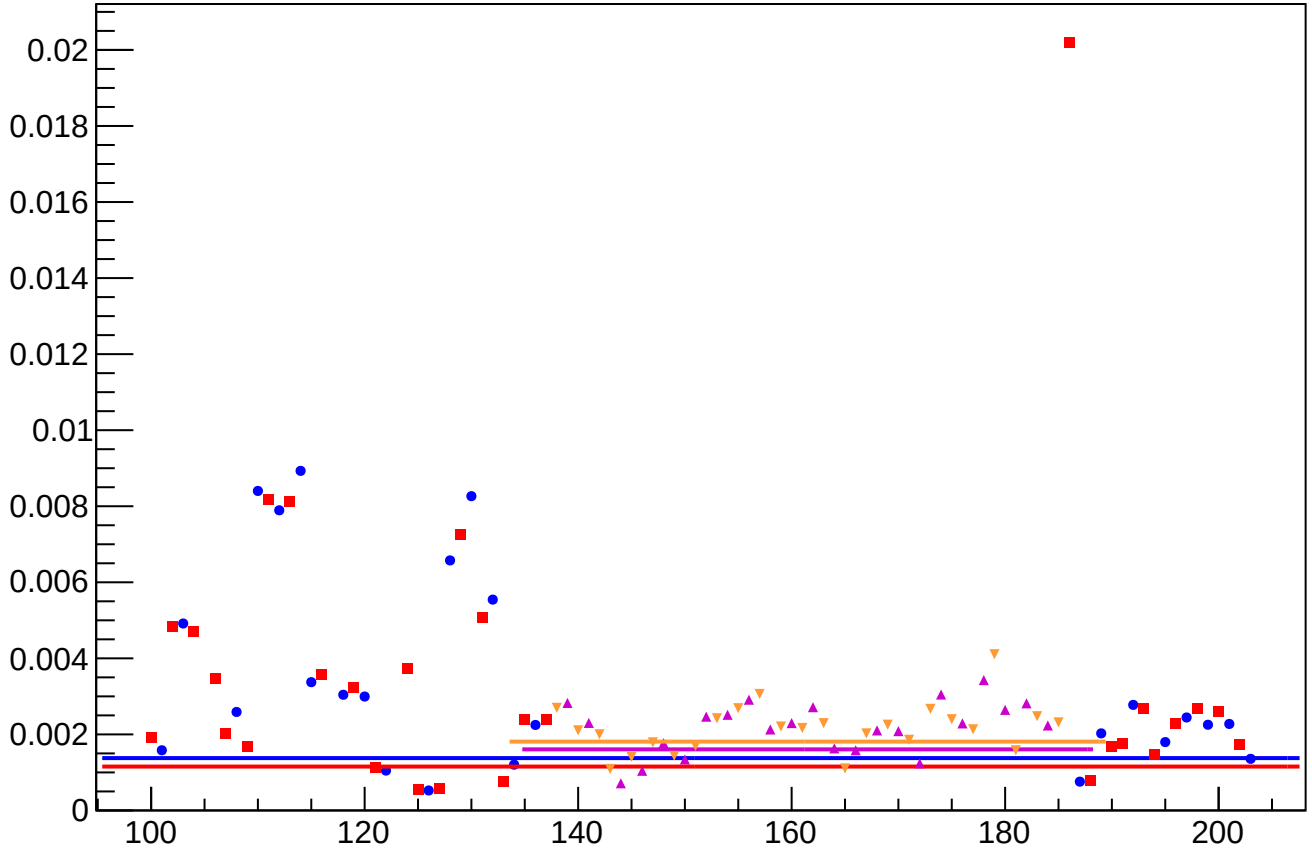
Right: -0.000+/-0.000 χ^2/NDF: 44.0/52

In: -0.000+/-0.000 χ^2/NDF:55.8/46

Out: 0.000+/-0.000 χ^2/NDF:73.9/53

All: -0.000+/-0.000 χ^2/NDF: 129.9/100

asym_sam_15_26_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.001+/-0.000 χ^2/NDF: 8810695.2/23

Left Out: 0.002+/-0.000 χ^2/NDF:3433566.6/24

Right Out: 0.001+/-0.000 χ^2/NDF: 10405069.0/28

Left In: 0.002+/-0.000 χ^2/NDF:6034225.5/22

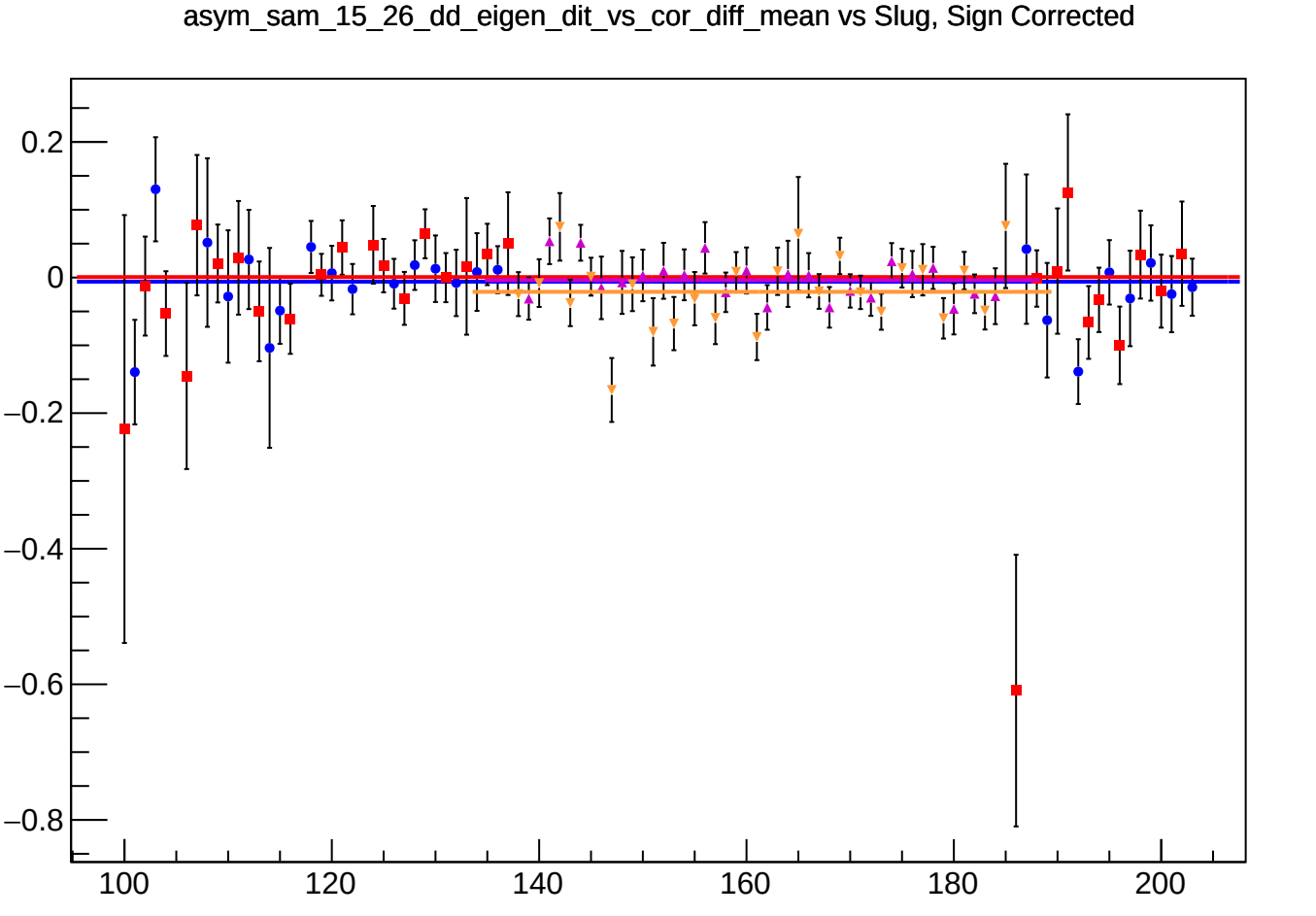
Left: 0.002+/-0.000 χ^2/NDF: 9693636.7/47

Right: 0.001+/-0.000 χ^2/NDF: 19465137.6/52

In: 0.002+/-0.000 χ^2/NDF:15100878.6/46

Out: 0.001+/-0.000 χ^2/NDF:16281579.2/53

All: 0.001+/-0.000 χ^2/NDF: 31406471.8/100



Right In: -0.006+/-0.010 χ^2/NDF: 19.7/23

Left Out: -0.021+/-0.007 χ^2/NDF:37.2/24

Right Out: 0.001+/-0.010 χ^2/NDF: 28.1/28

Left In: -0.004+/-0.007 χ^2/NDF:18.7/22

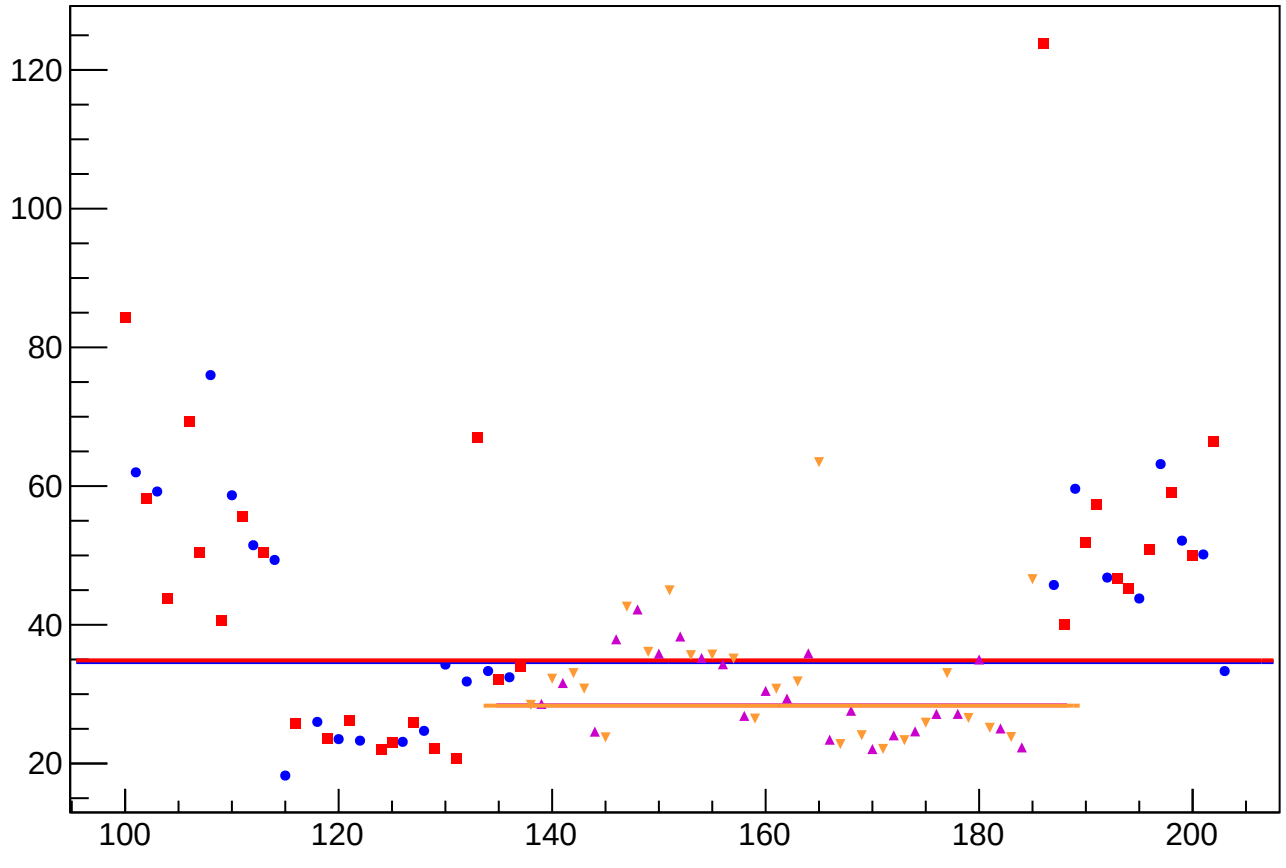
Left: -0.013+/-0.005 χ^2/NDF: 59.1/47

Right: -0.003+/-0.007 χ^2/NDF: 48.0/52

In: -0.005+/-0.006 χ^2/NDF:38.4/46

Out: -0.014+/-0.006 χ^2/NDF:68.5/53

All: -0.010+/-0.004 χ^2/NDF: 108.5/100



Right In: 34.623+/-0.007 χ^2/NDF: 3029472.0/23

Left Out: 28.342+/-0.005 χ^2/NDF:1733585.3/24

Right Out: 34.869+/-0.007 χ^2/NDF: 3960869.1/28

Left In: 28.389+/-0.005 χ^2/NDF:1098852.1/22

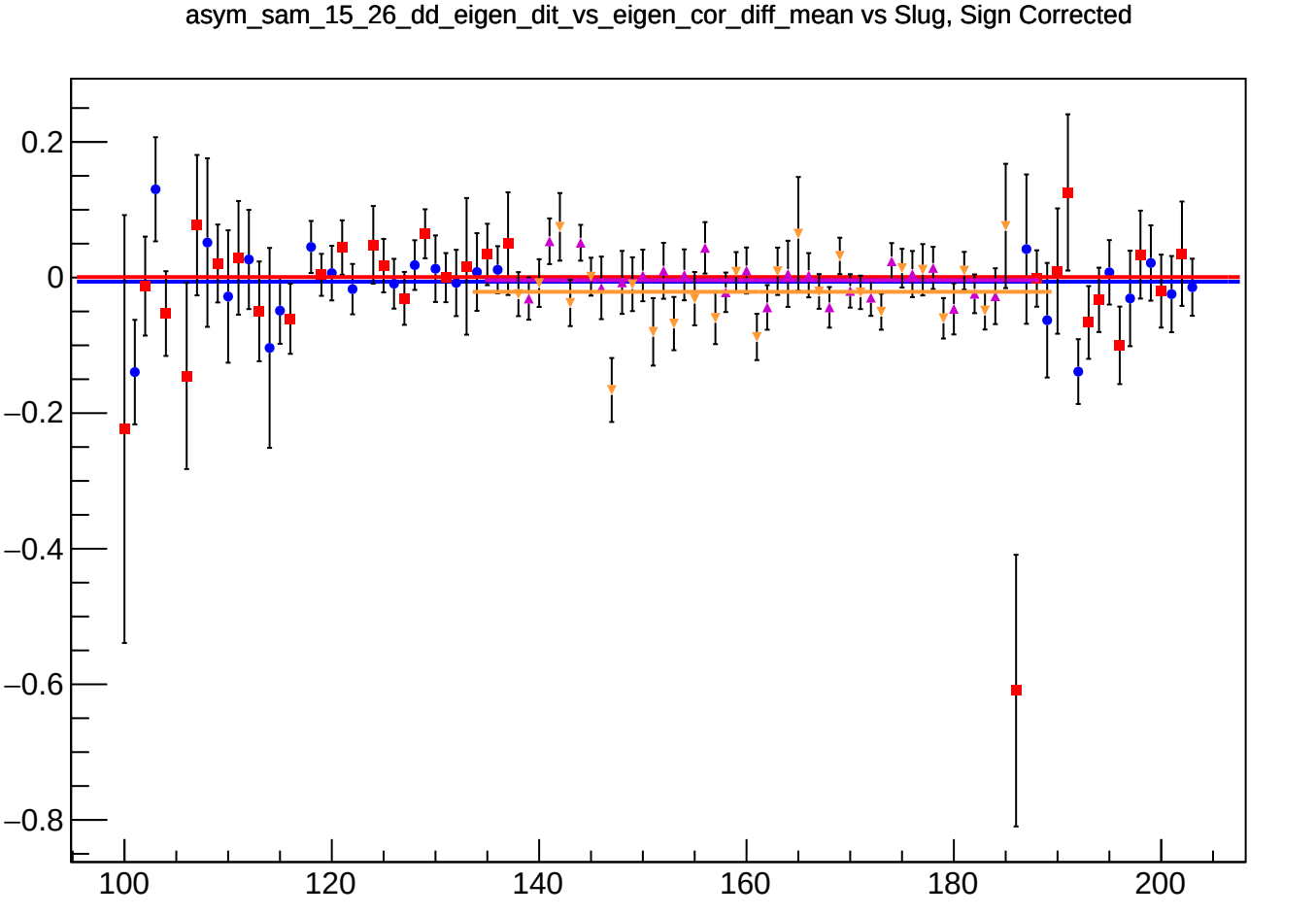
Left: 28.365+/-0.003 χ^2/NDF: 2832487.2/47

Right: 34.751+/-0.005 χ^2/NDF: 6990911.0/52

In: 30.264+/-0.004 χ^2/NDF:4625009.2/46

Out: 30.325+/-0.004 χ^2/NDF:6276263.7/53

All: 30.296+/-0.003 χ^2/NDF: 10901386.8/100



Right In: -0.006+/-0.010 χ^2/NDF: 19.7/23

Left Out: -0.021+/-0.007 χ^2/NDF:37.2/24

Right Out: 0.001+/-0.010 χ^2/NDF: 28.1/28

Left In: -0.004+/-0.007 χ^2/NDF:18.7/22

Left: -0.013+/-0.005 χ^2/NDF: 59.1/47

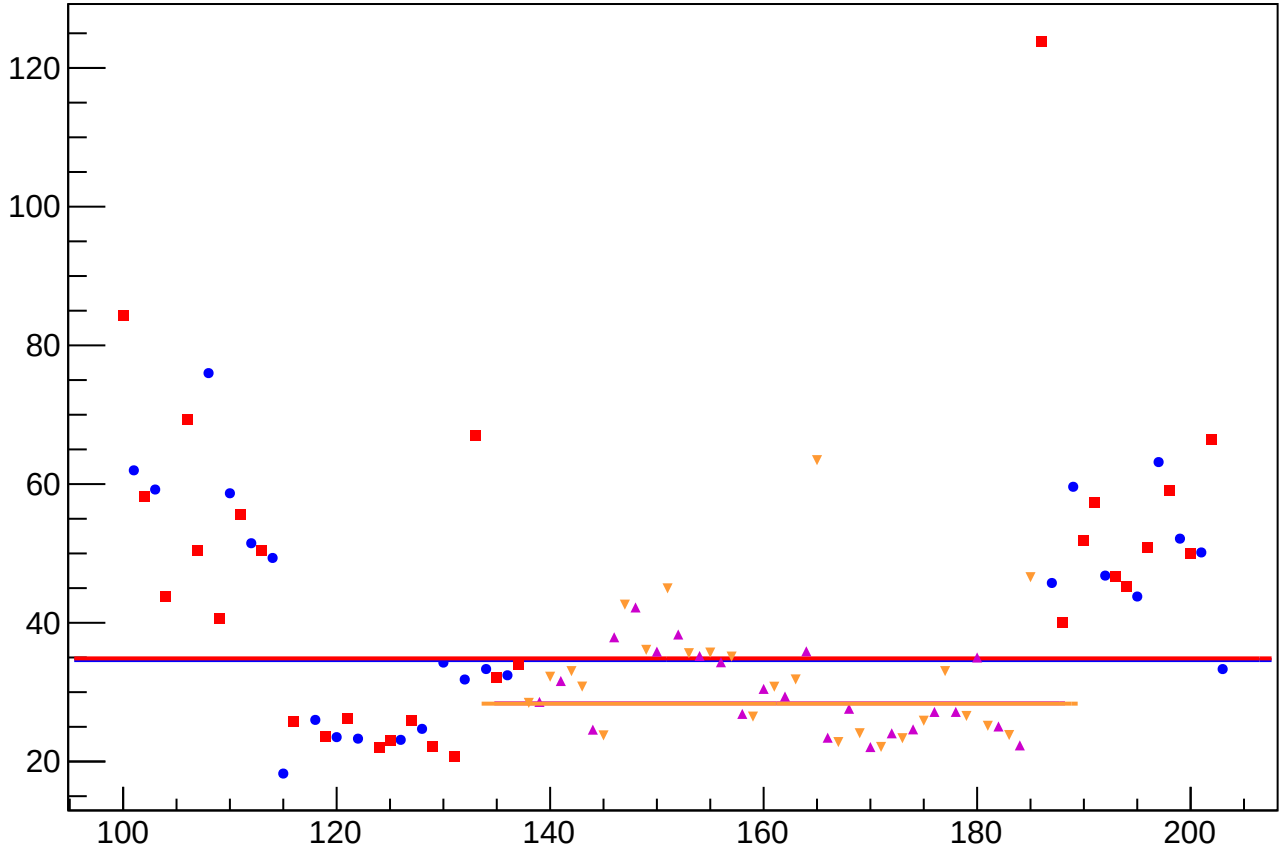
Right: -0.003+/-0.007 χ^2/NDF: 48.0/52

In: -0.005+/-0.006 χ^2/NDF:38.4/46

Out: -0.014+/-0.006 χ^2/NDF:68.5/53

All: -0.010+/-0.004 χ^2/NDF: 108.5/100

asym_sam_15_26_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 34.623+/-0.007 χ^2/NDF: 3029472.0/23

Left Out: 28.342+/-0.005 χ^2/NDF:1733585.3/24

Right Out: 34.869+/-0.007 χ^2/NDF: 3960869.1/28

Left In: 28.389+/-0.005 χ^2/NDF:1098852.1/22

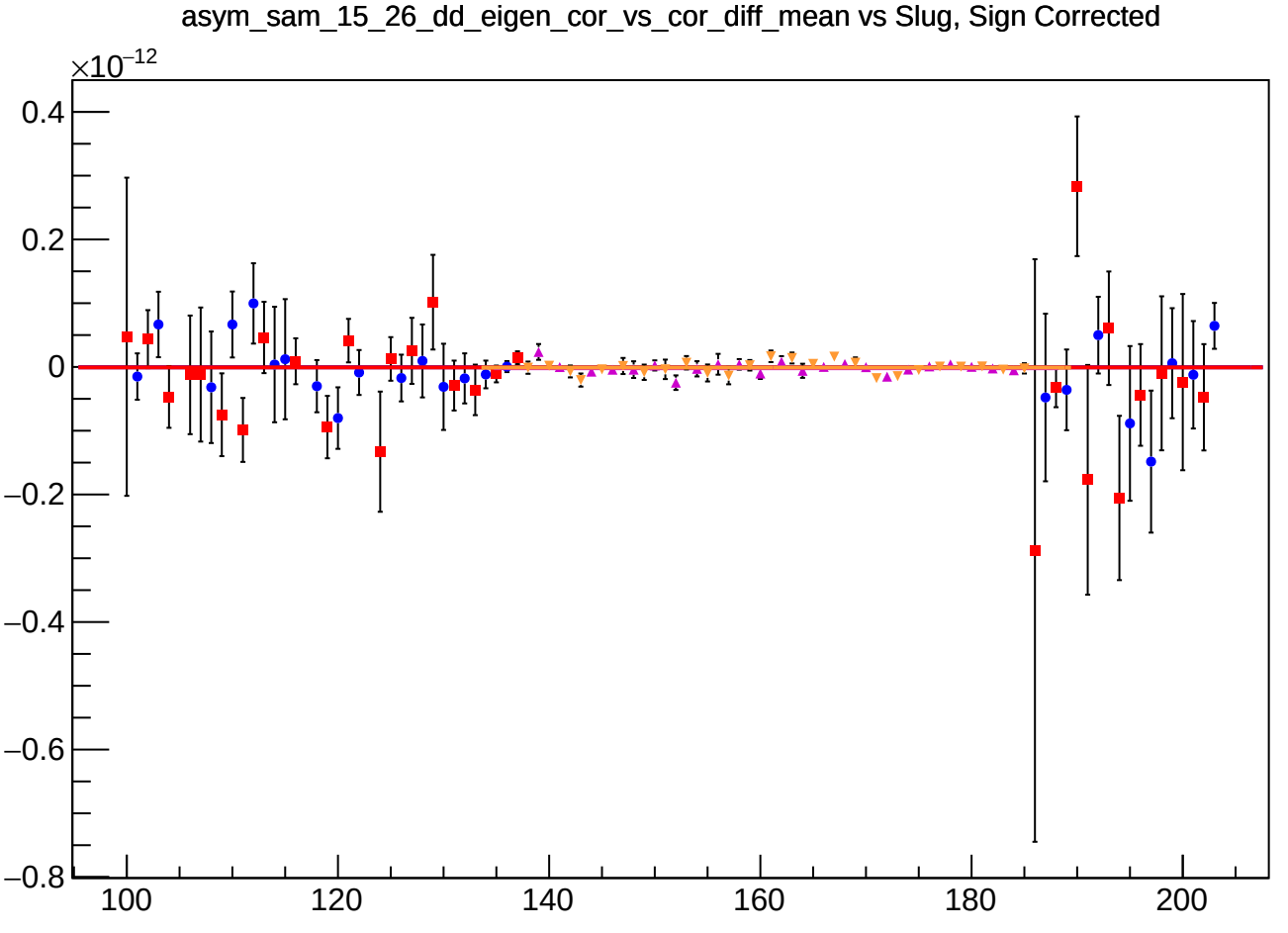
Left: 28.365+/-0.003 χ^2/NDF: 2832487.2/47

Right: 34.751+/-0.005 χ^2/NDF: 6990911.0/52

In: 30.264+/-0.004 χ^2/NDF:4625009.2/46

Out: 30.325+/-0.004 χ^2/NDF:6276263.7/53

All: 30.296+/-0.003 χ^2/NDF: 10901386.8/100



Right In: -0.000+/-0.000 χ^2/NDF: 17.2/23

Left Out: -0.000+/-0.000 χ^2/NDF:34.1/24

Right Out: -0.000+/-0.000 χ^2/NDF: 34.2/28

Left In: -0.000+/-0.000 χ^2/NDF:19.5/22

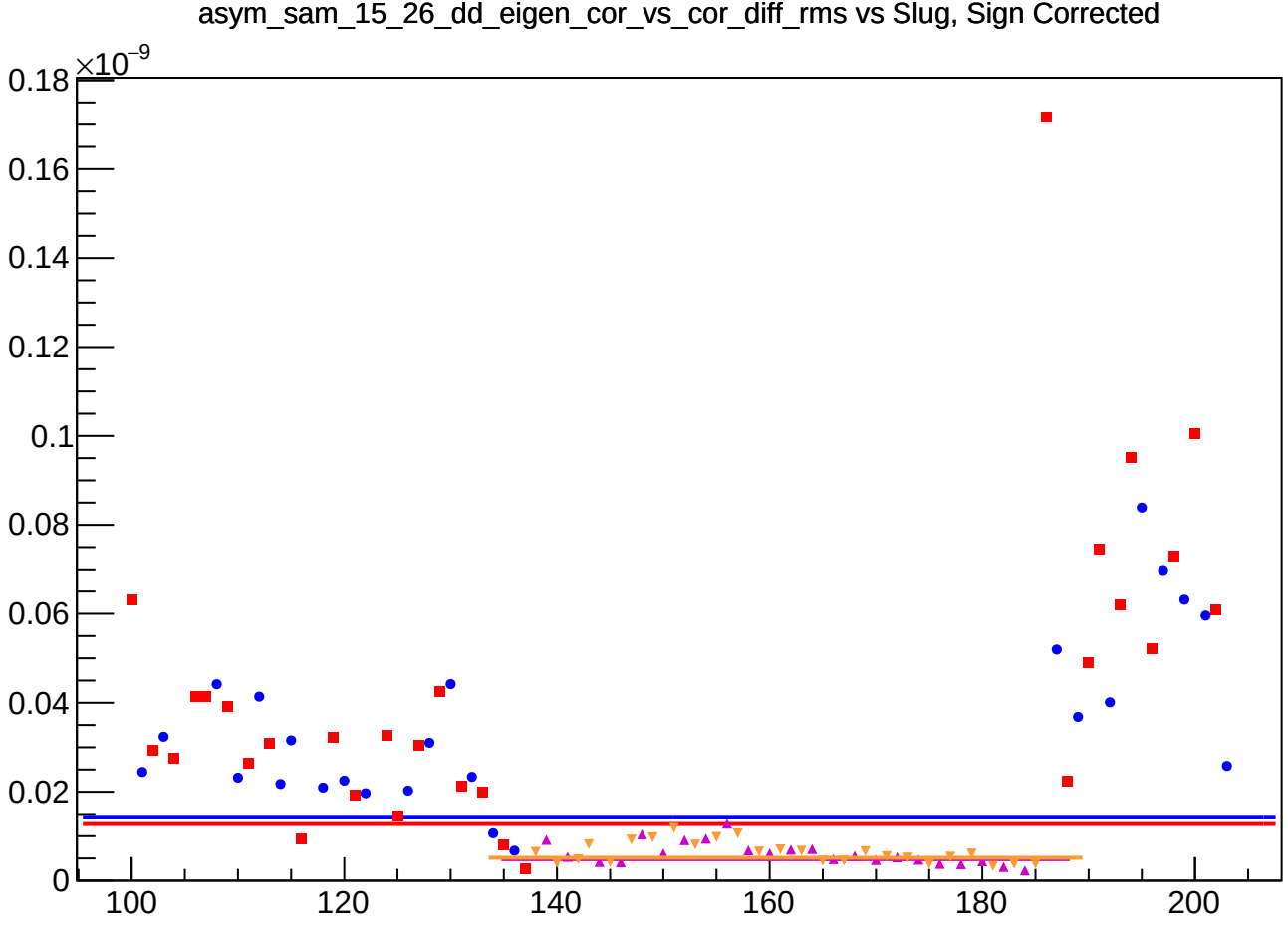
Left: -0.000+/-0.000 χ^2/NDF: 53.8/47

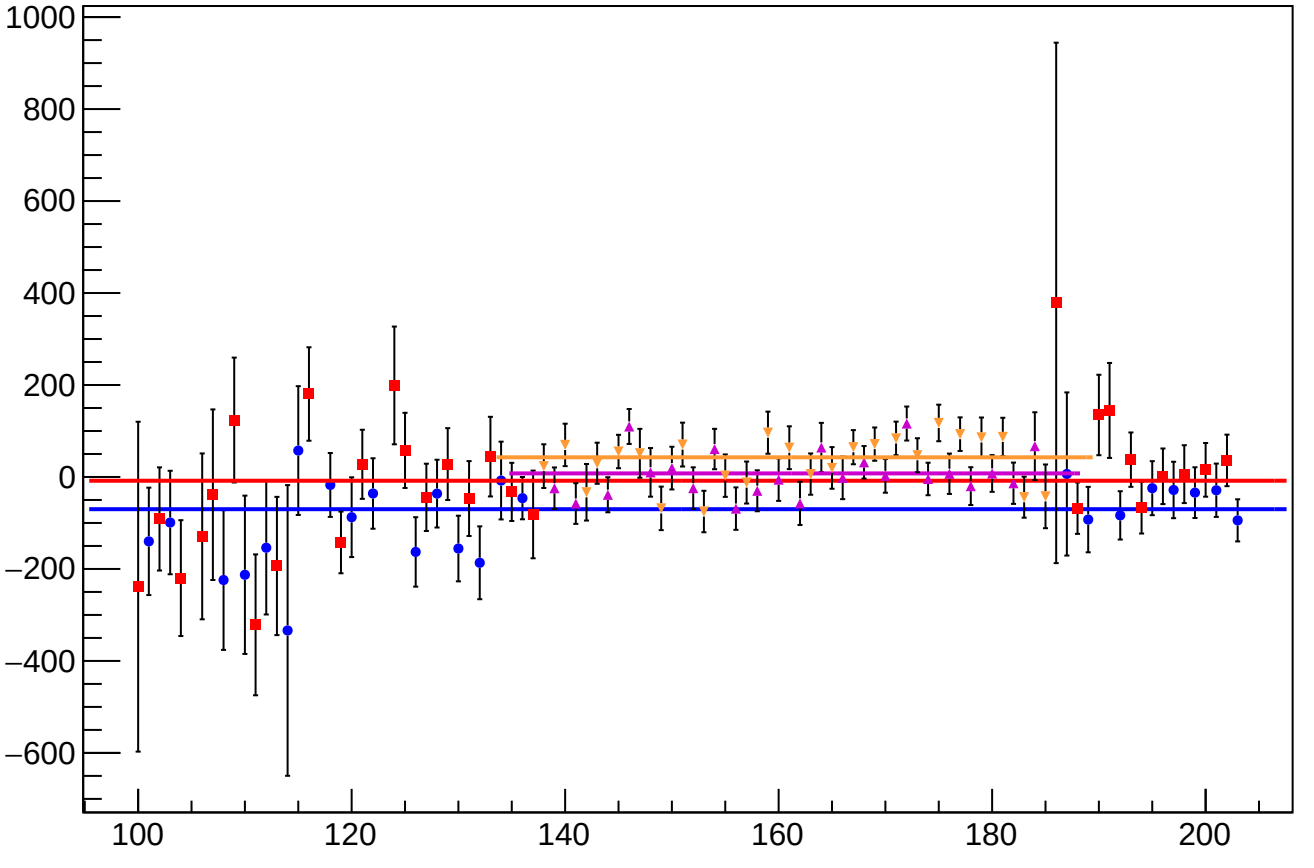
Right: -0.000+/-0.000 χ^2/NDF: 51.4/52

In: -0.000+/-0.000 χ^2/NDF:36.8/46

Out: -0.000+/-0.000 χ^2/NDF:68.3/53

All: -0.000+/-0.000 χ^2/NDF: 105.3/100


asym_sam_15_26_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0
100
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 6987522.8/23
Left Out: 0.000+/-0.000 χ²/NDF:3035355.5/24
Right Out: 0.000+/-0.000 χ²/NDF: 9770121.5/28
Left In: 0.000+/-0.000 χ²/NDF:3040812.9/22
Left: 0.000+/-0.000 χ²/NDF: 6121355.4/47
Right: 0.000+/-0.000 χ²/NDF: 16820199.3/52
In: 0.000+/-0.000 χ²/NDF:14055004.5/46
Out: 0.000+/-0.000 χ²/NDF:15466114.1/53
All: 0.000+/-0.000 χ²/NDF: 29550501.3/100



Right In: -70.041+/-15.030 χ^2/NDF: 13.6/23

Left Out: 42.765+/-8.698 χ^2/NDF:34.7/24

Right Out: -8.175+/-15.179 χ^2/NDF: 32.7/28

Left In: 7.783+/-8.974 χ^2/NDF:30.6/22

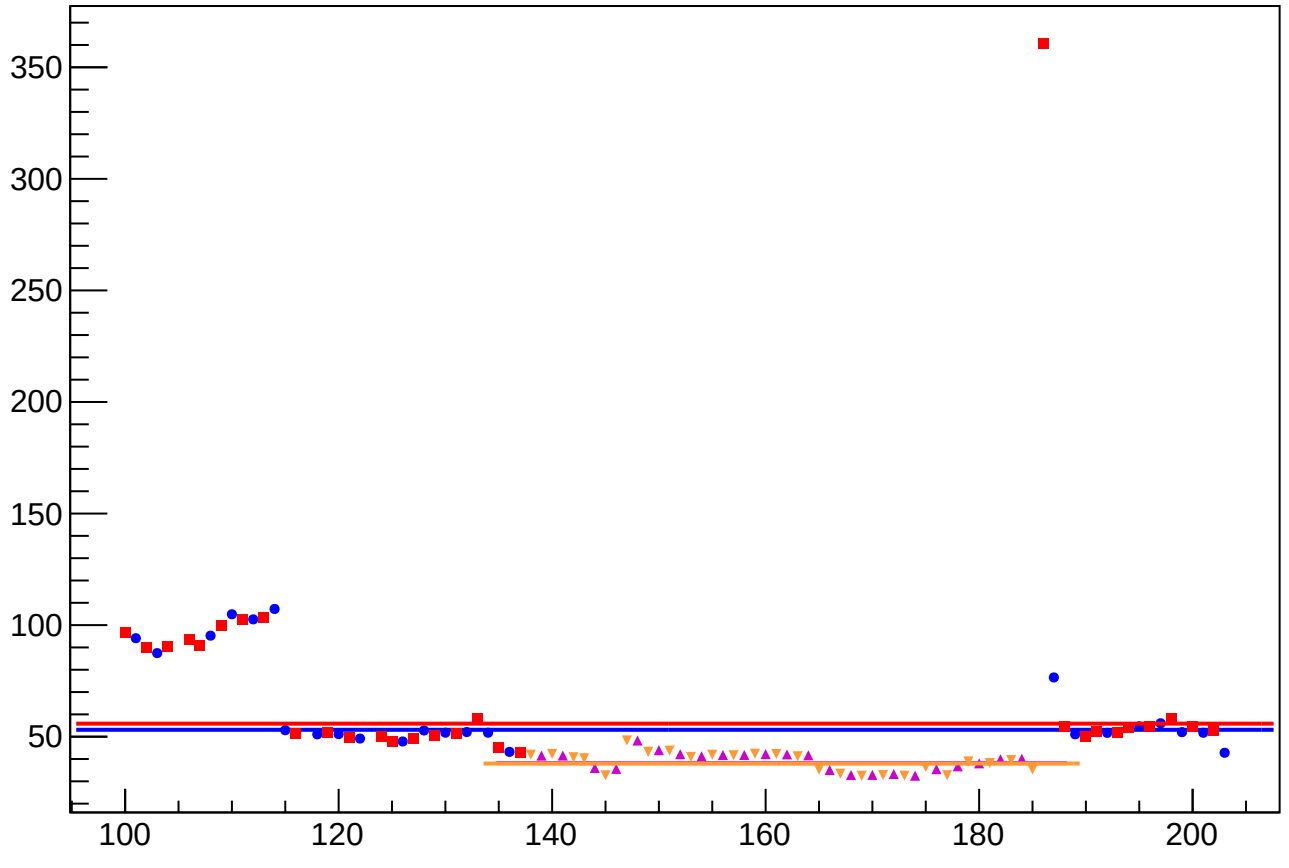
Left: 25.821+/-6.246 χ^2/NDF: 73.2/47

Right: -39.413+/-10.680 χ^2/NDF: 54.6/52

In: -12.671+/-7.705 χ^2/NDF:63.9/46

Out: 30.172+/-7.547 χ^2/NDF:75.9/53

All: 9.195+/-5.392 χ^2/NDF: 155.6/100



Right In: 53.094+/-0.011 χ^2/NDF: 1318668.4/23

Left Out: 37.990+/-0.006 χ^2/NDF:513605.5/24

Right Out: 55.845+/-0.011 χ^2/NDF: 1907675.4/28

Left In: 38.133+/-0.006 χ^2/NDF:428309.7/22

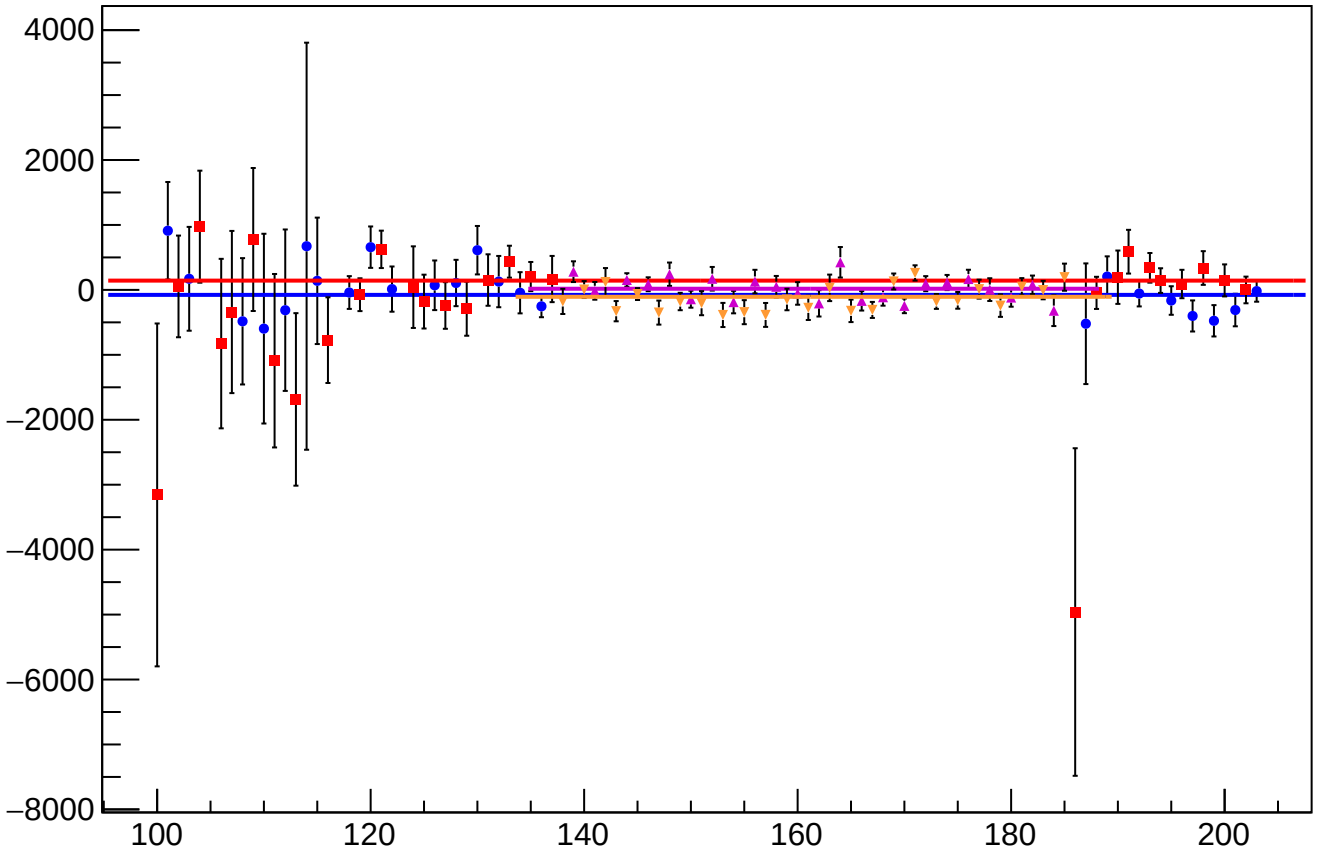
Left: 38.059+/-0.004 χ^2/NDF: 942176.9/47

Right: 54.456+/-0.008 χ^2/NDF: 3259493.2/52

In: 42.065+/-0.005 χ^2/NDF:3208016.3/46

Out: 42.404+/-0.005 χ^2/NDF:4504569.3/53

All: 42.238+/-0.004 χ^2/NDF: 7714555.7/100



Right In: -76.949+/-62.029 χ^2/NDF: 19.7/23

Left Out: -106.506+/-29.563 χ^2/NDF:37.6/24

Right Out: 142.820+/-61.657 χ^2/NDF: 24.4/28

Left In: 17.517+/-30.185 χ^2/NDF:28.2/22

Left: -45.786+/-21.121 χ^2/NDF: 74.5/47

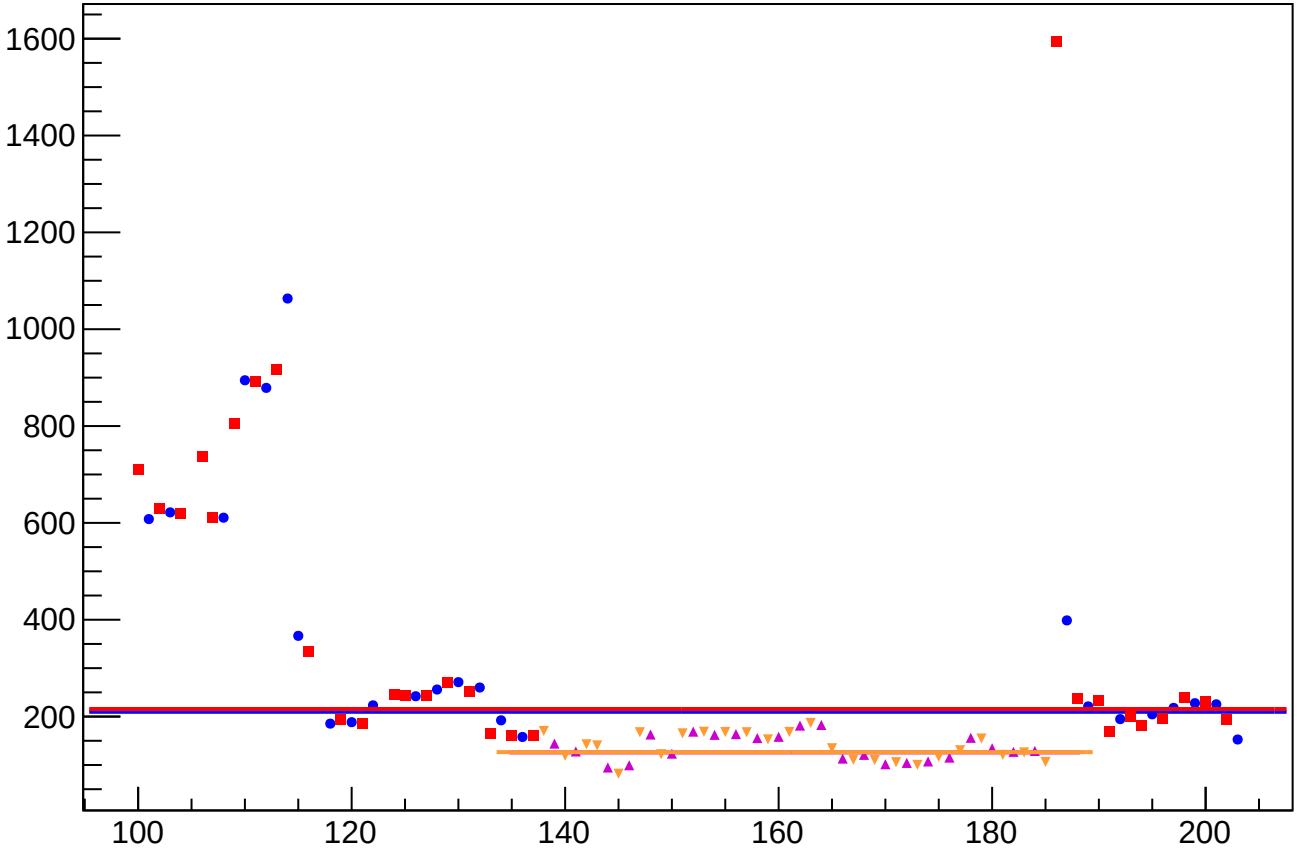
Right: 33.598+/-43.729 χ^2/NDF: 50.3/52

In: -0.570+/-27.142 χ^2/NDF:49.8/46

Out: -59.900+/-26.657 χ^2/NDF:75.3/53

All: -30.770+/-19.019 χ^2/NDF: 127.5/100

asym_sam_37_26_dd_reg_correction_rms vs Slug, Sign Corrected



Right In: 209.898+/-0.044 χ^2/NDF: 3377780.2/23

Left Out: 126.561+/-0.021 χ^2/NDF:1758158.3/24

Right Out: 215.623+/-0.044 χ^2/NDF: 4458737.2/28

Left In: 126.013+/-0.021 χ^2/NDF:1410655.7/22

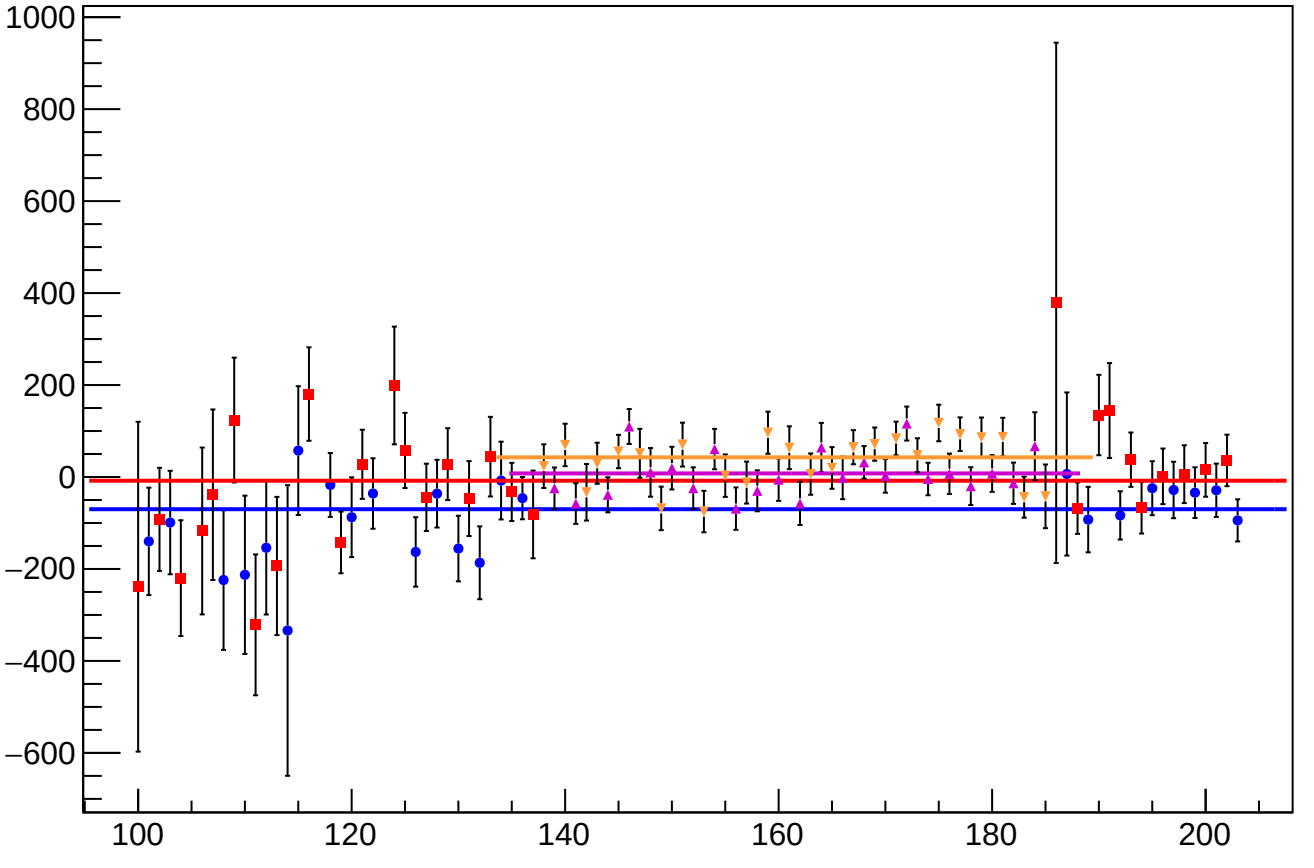
Left: 126.293+/-0.015 χ^2/NDF: 3169149.7/47

Right: 212.778+/-0.031 χ^2/NDF: 7845086.7/52

In: 142.075+/-0.019 χ^2/NDF:7745776.1/46

Out: 143.209+/-0.019 χ^2/NDF:9609922.8/53

All: 142.652+/-0.013 χ^2/NDF: 17357477.3/10



Right In: -70.039+/-15.030 χ^2/NDF: 13.6/23

Left Out: 42.767+/-8.698 χ^2/NDF:34.7/24

Right Out: -8.101+/-15.179 χ^2/NDF: 32.6/28

Left In: 7.785+/-8.974 χ^2/NDF:30.6/22

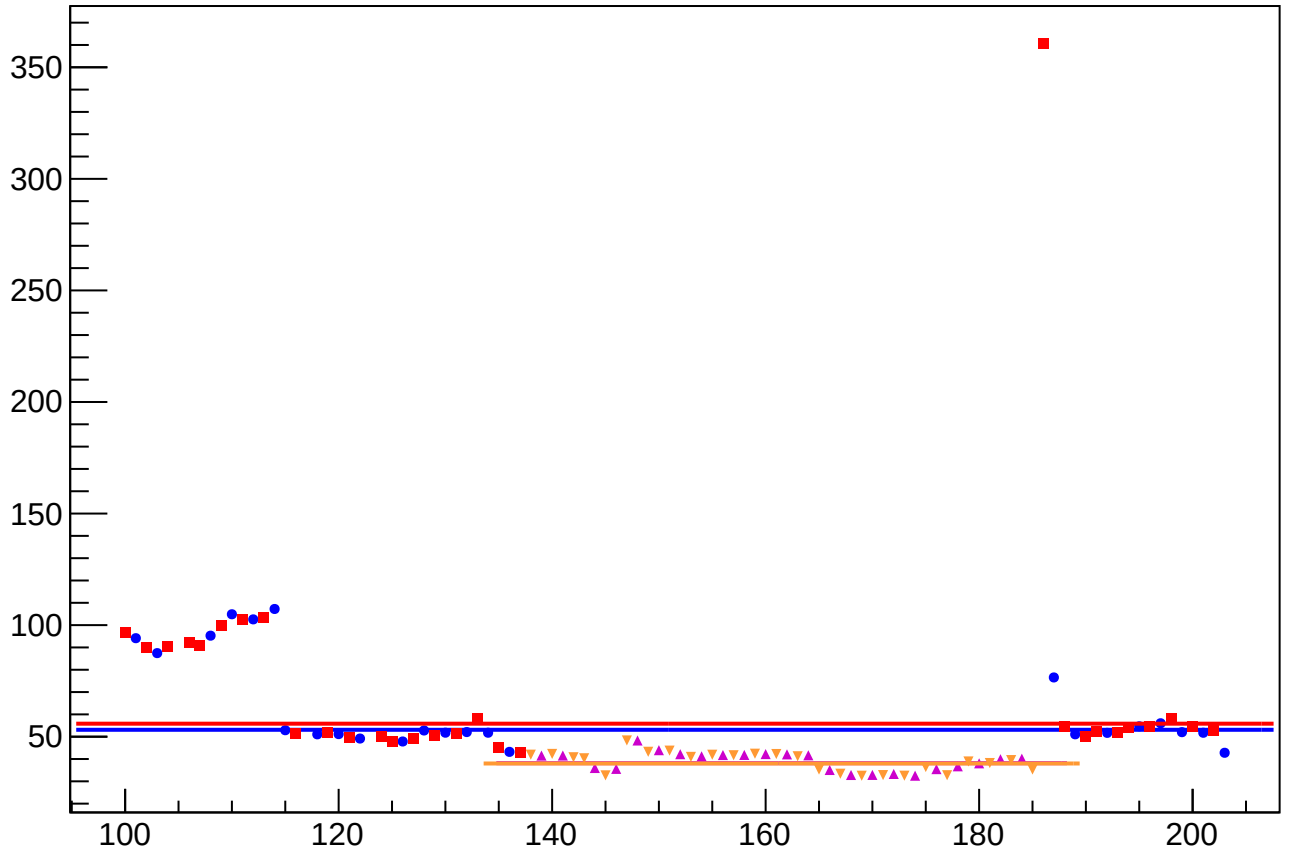
Left: 25.822+/-6.246 χ^2/NDF: 73.2/47

Right: -39.376+/-10.680 χ^2/NDF: 54.6/52

In: -12.670+/-7.705 χ^2/NDF:63.9/46

Out: 30.193+/-7.547 χ^2/NDF:75.8/53

All: 9.207+/-5.392 χ^2/NDF: 155.5/100



Right In: 53.094+/-0.011 χ^2/NDF: 1318668.6/23

Left Out: 37.990+/-0.006 χ^2/NDF:513605.5/24

Right Out: 55.831+/-0.011 χ^2/NDF: 1899872.1/28

Left In: 38.133+/-0.006 χ^2/NDF:428309.7/22

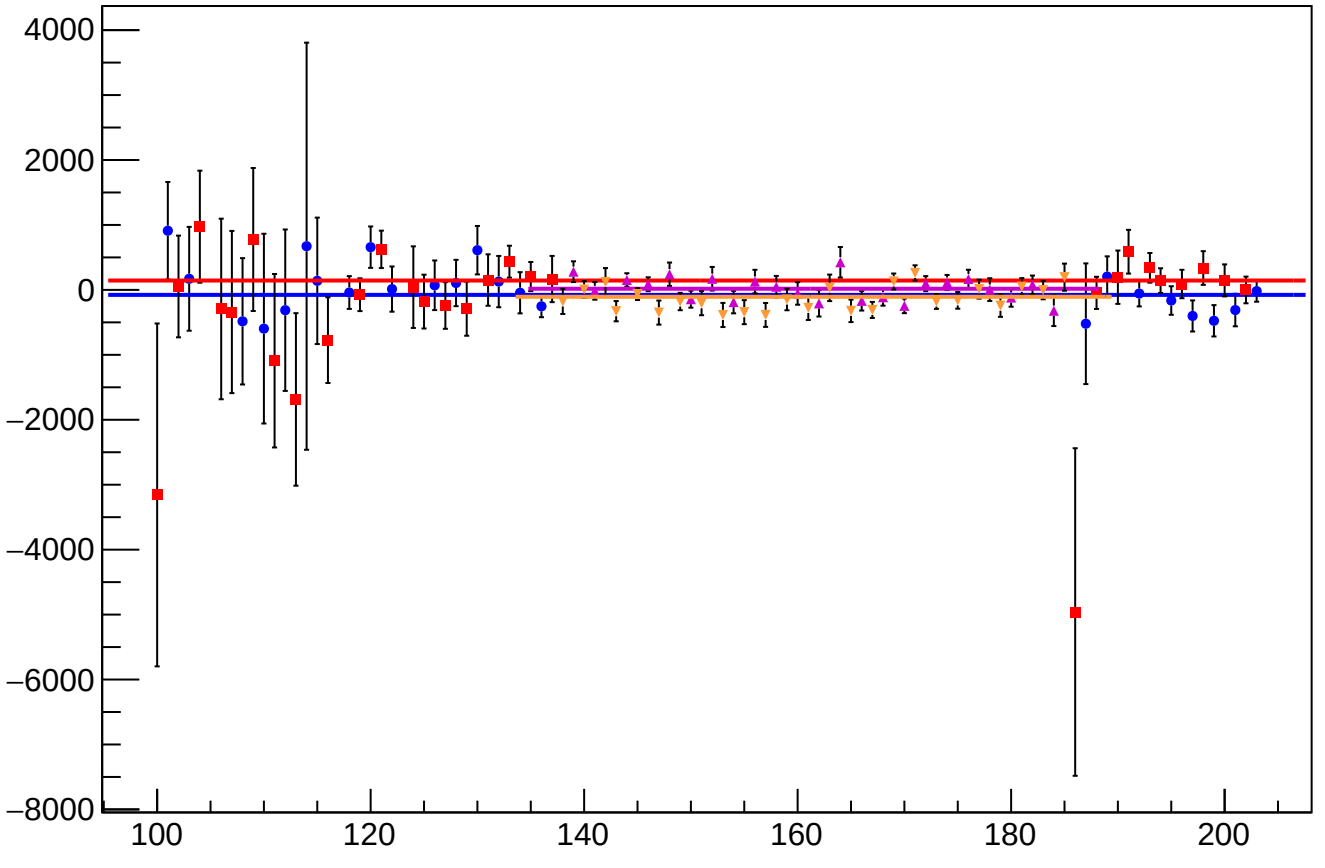
Left: 38.059+/-0.004 χ^2/NDF: 942176.9/47

Right: 54.449+/-0.008 χ^2/NDF: 3251356.7/52

In: 42.065+/-0.005 χ^2/NDF:3208016.4/46

Out: 42.400+/-0.005 χ^2/NDF:4493401.7/53

All: 42.236+/-0.004 χ^2/NDF: 7703345.3/100



Right In: -76.946+/-62.029 χ^2/NDF: 19.6/23

Left Out: -106.505+/-29.563 χ^2/NDF:37.6/24

Right Out: 144.110+/-61.665 χ^2/NDF: 23.9/28

Left In: 17.517+/-30.185 χ^2/NDF:28.2/22

Left: -45.785+/-21.121 χ^2/NDF: 74.5/47

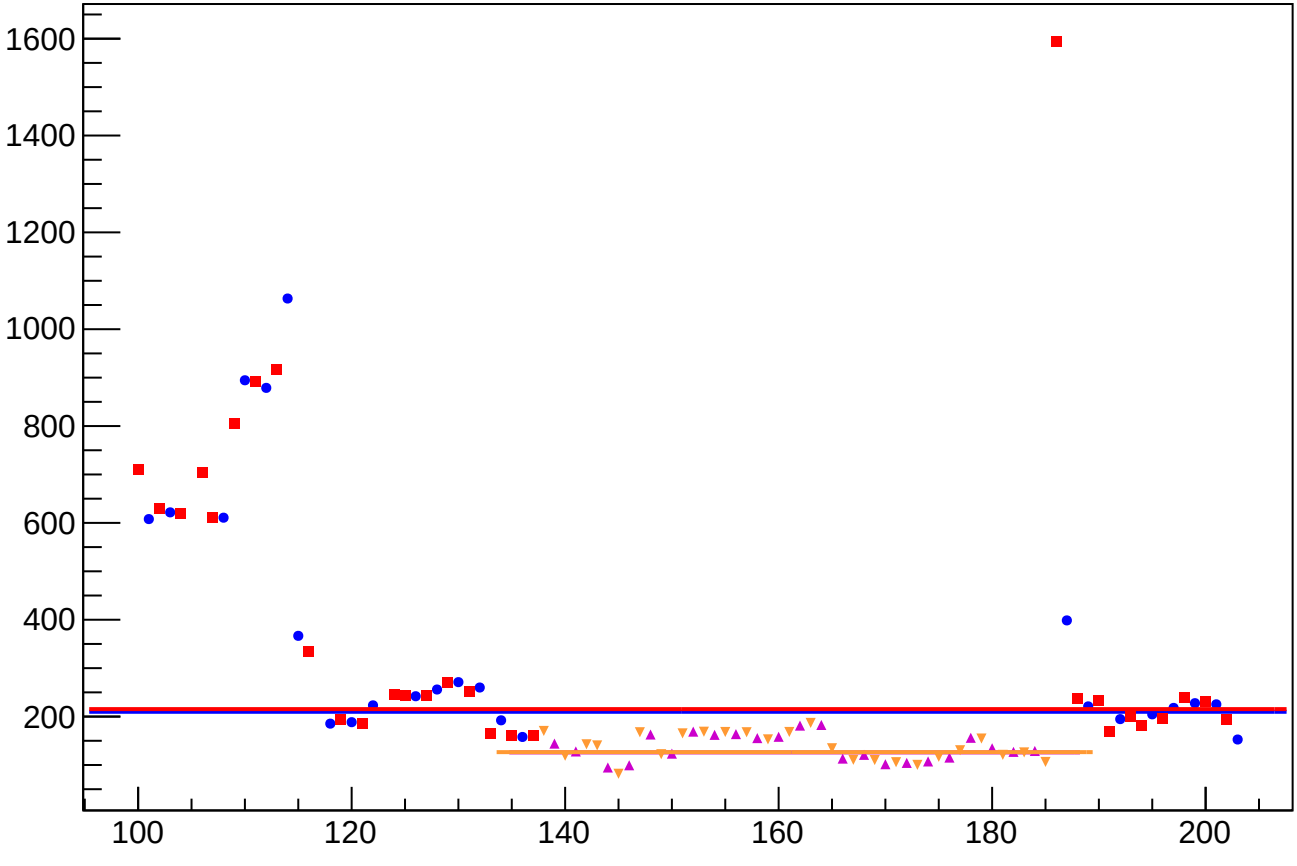
Right: 34.233+/-43.732 χ^2/NDF: 50.0/52

In: -0.569+/-27.142 χ^2/NDF:49.8/46

Out: -59.669+/-26.658 χ^2/NDF:75.0/53

All: -30.651+/-19.019 χ^2/NDF: 127.2/100

asym_sam_37_26_dd_cor_correction_rms vs Slug, Sign Corrected



Right In: 209.898+/-0.044 χ^2/NDF: 3377790.3/23

Left Out: 126.561+/-0.021 χ^2/NDF:1758151.9/24

Right Out: 215.421+/-0.044 χ^2/NDF: 4387588.9/28

Left In: 126.013+/-0.021 χ^2/NDF:1410664.0/22

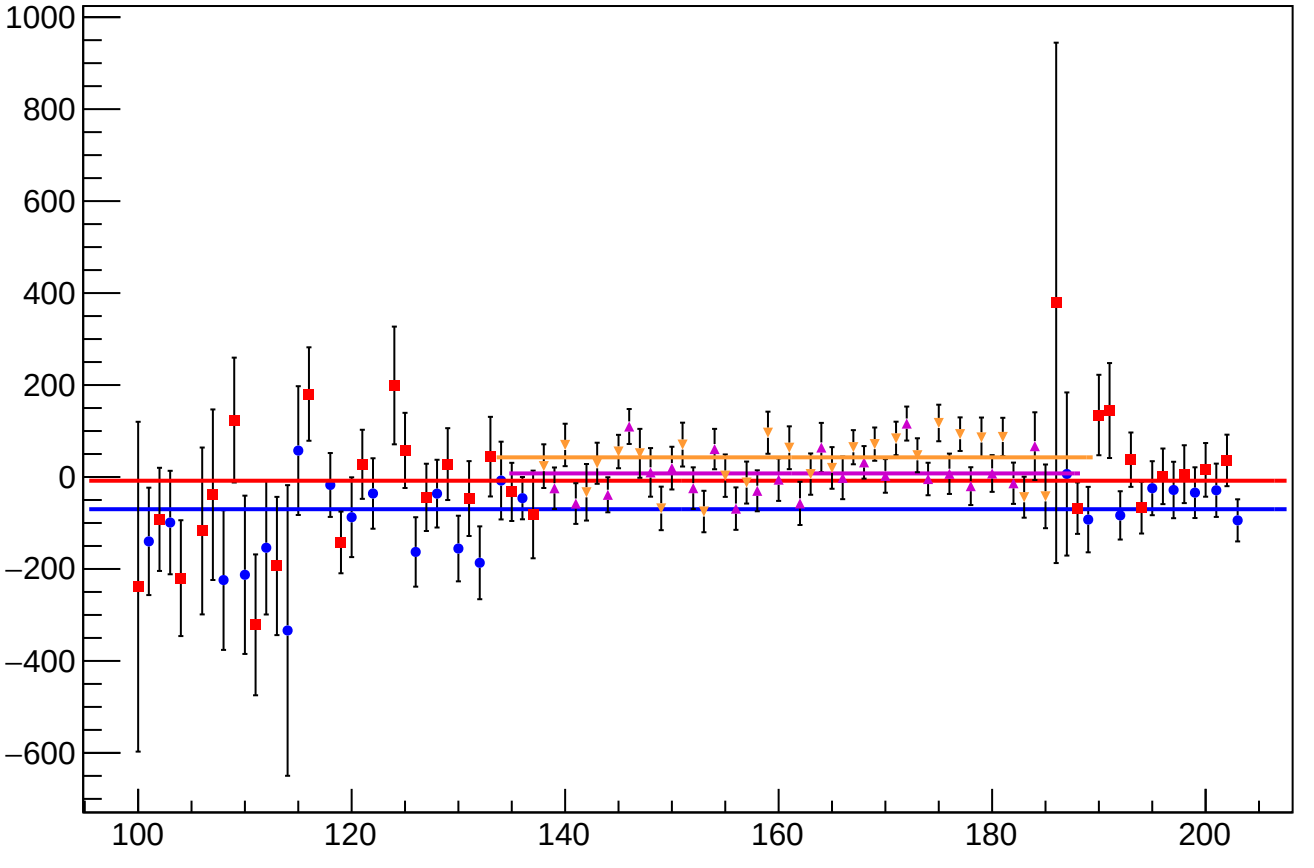
Left: 126.293+/-0.015 χ^2/NDF: 3169151.8/47

Right: 212.676+/-0.031 χ^2/NDF: 7773354.4/52

In: 142.075+/-0.019 χ^2/NDF:7745795.6/46

Out: 143.168+/-0.019 χ^2/NDF:9522664.8/53

All: 142.631+/-0.013 χ^2/NDF: 17270111.8/10



Right In: -70.039+/-15.030 χ^2/NDF: 13.6/23

Left Out: 42.767+/-8.698 χ^2/NDF:34.7/24

Right Out: -8.101+/-15.179 χ^2/NDF: 32.6/28

Left In: 7.785+/-8.974 χ^2/NDF:30.6/22

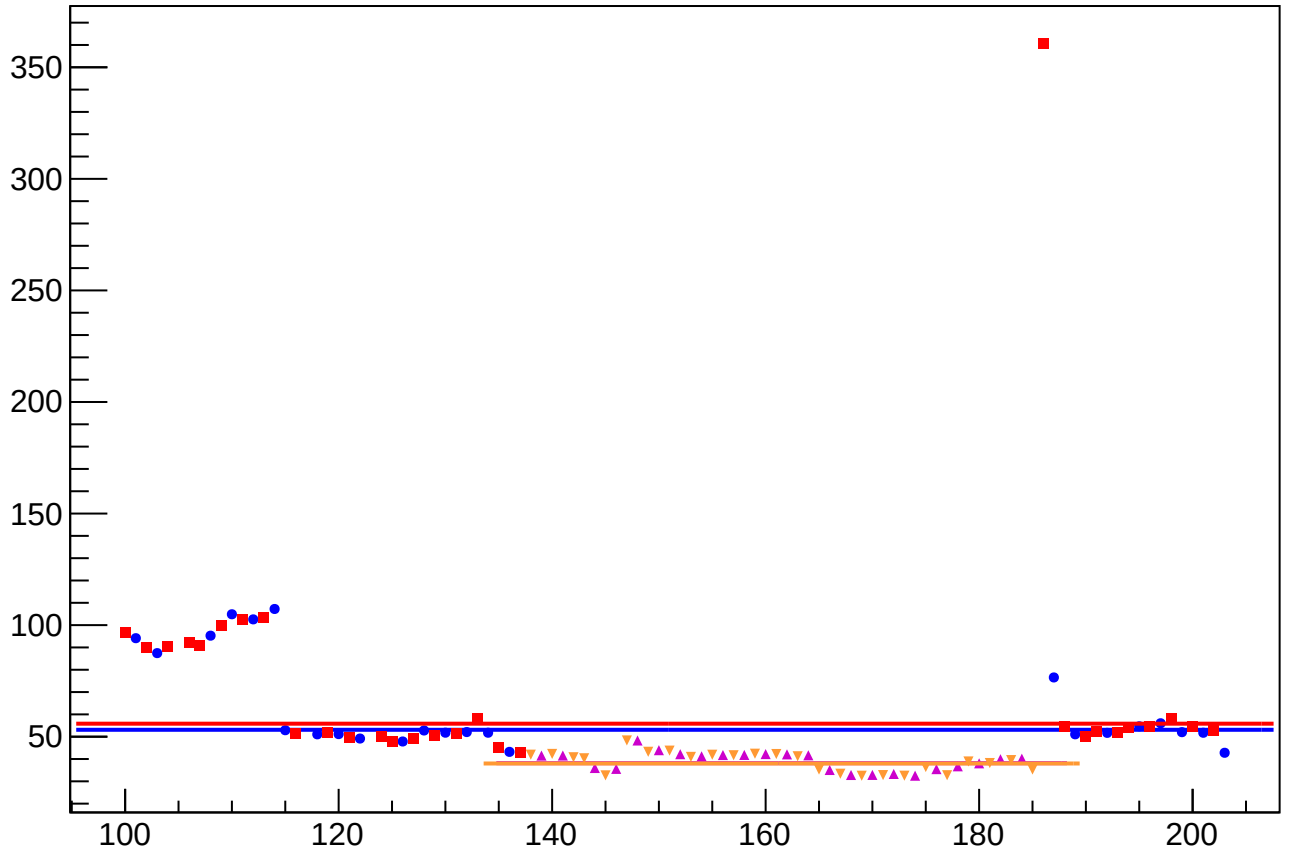
Left: 25.822+/-6.246 χ^2/NDF: 73.2/47

Right: -39.376+/-10.680 χ^2/NDF: 54.6/52

In: -12.670+/-7.705 χ^2/NDF:63.9/46

Out: 30.193+/-7.547 χ^2/NDF:75.8/53

All: 9.207+/-5.392 χ^2/NDF: 155.5/100



Right In: 53.094+/-0.011 χ^2/NDF: 1318668.6/23

Left Out: 37.990+/-0.006 χ^2/NDF:513605.5/24

Right Out: 55.831+/-0.011 χ^2/NDF: 1899872.1/28

Left In: 38.133+/-0.006 χ^2/NDF:428309.7/22

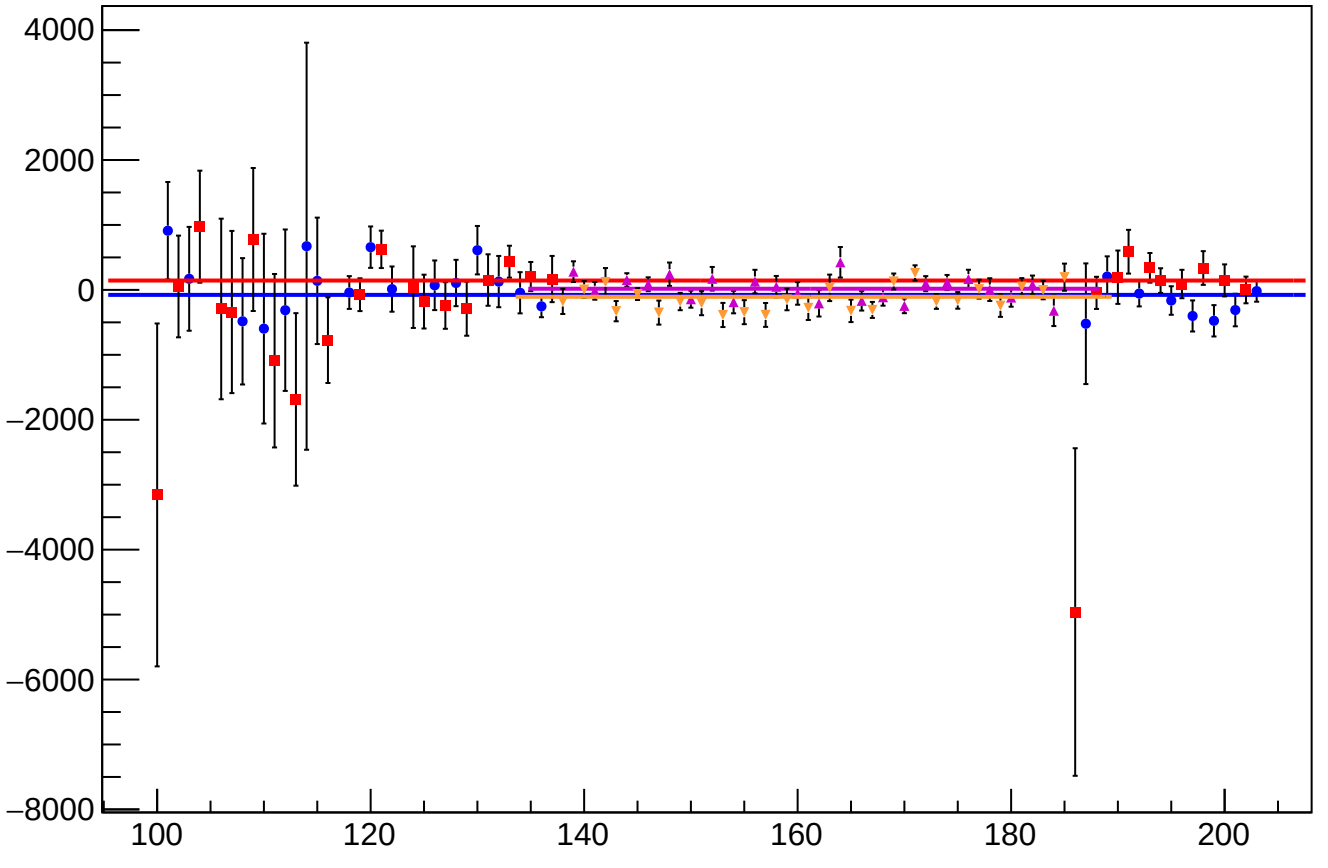
Left: 38.059+/-0.004 χ^2/NDF: 942176.9/47

Right: 54.449+/-0.008 χ^2/NDF: 3251356.7/52

In: 42.065+/-0.005 χ^2/NDF:3208016.4/46

Out: 42.400+/-0.005 χ^2/NDF:4493401.7/53

All: 42.236+/-0.004 χ^2/NDF: 7703345.3/100



Right In: -76.946+/-62.029 χ^2/NDF: 19.6/23

Left Out: -106.505+/-29.563 χ^2/NDF:37.6/24

Right Out: 144.110+/-61.665 χ^2/NDF: 23.9/28

Left In: 17.517+/-30.185 χ^2/NDF:28.2/22

Left: -45.785+/-21.121 χ^2/NDF: 74.5/47

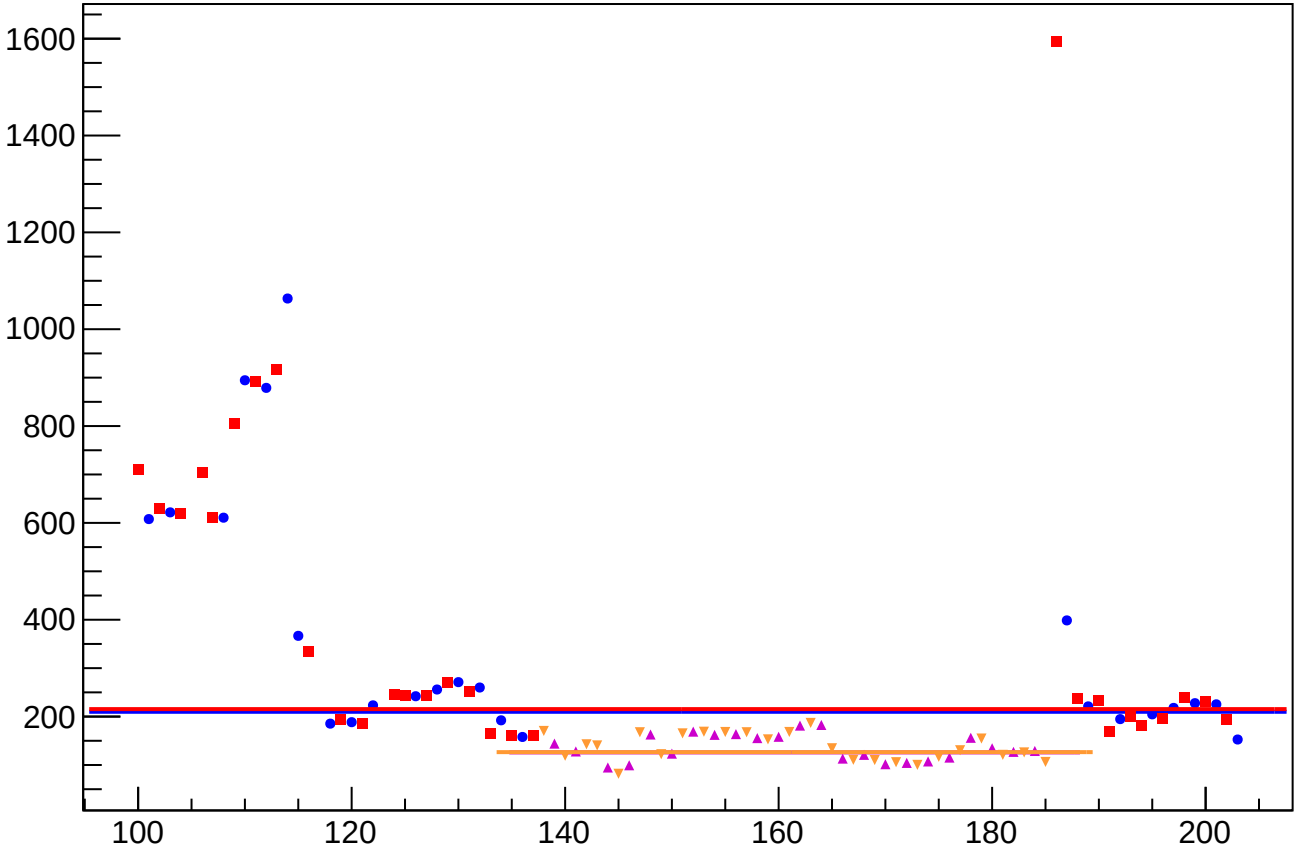
Right: 34.233+/-43.732 χ^2/NDF: 50.0/52

In: -0.569+/-27.142 χ^2/NDF:49.8/46

Out: -59.669+/-26.658 χ^2/NDF:75.0/53

All: -30.651+/-19.019 χ^2/NDF: 127.2/100

asym_sam_37_26_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 209.898+/-0.044 χ^2/NDF: 3377790.3/23

Left Out: 126.561+/-0.021 χ^2/NDF:1758151.9/24

Right Out: 215.421+/-0.044 χ^2/NDF: 4387588.9/28

Left In: 126.013+/-0.021 χ^2/NDF:1410664.0/22

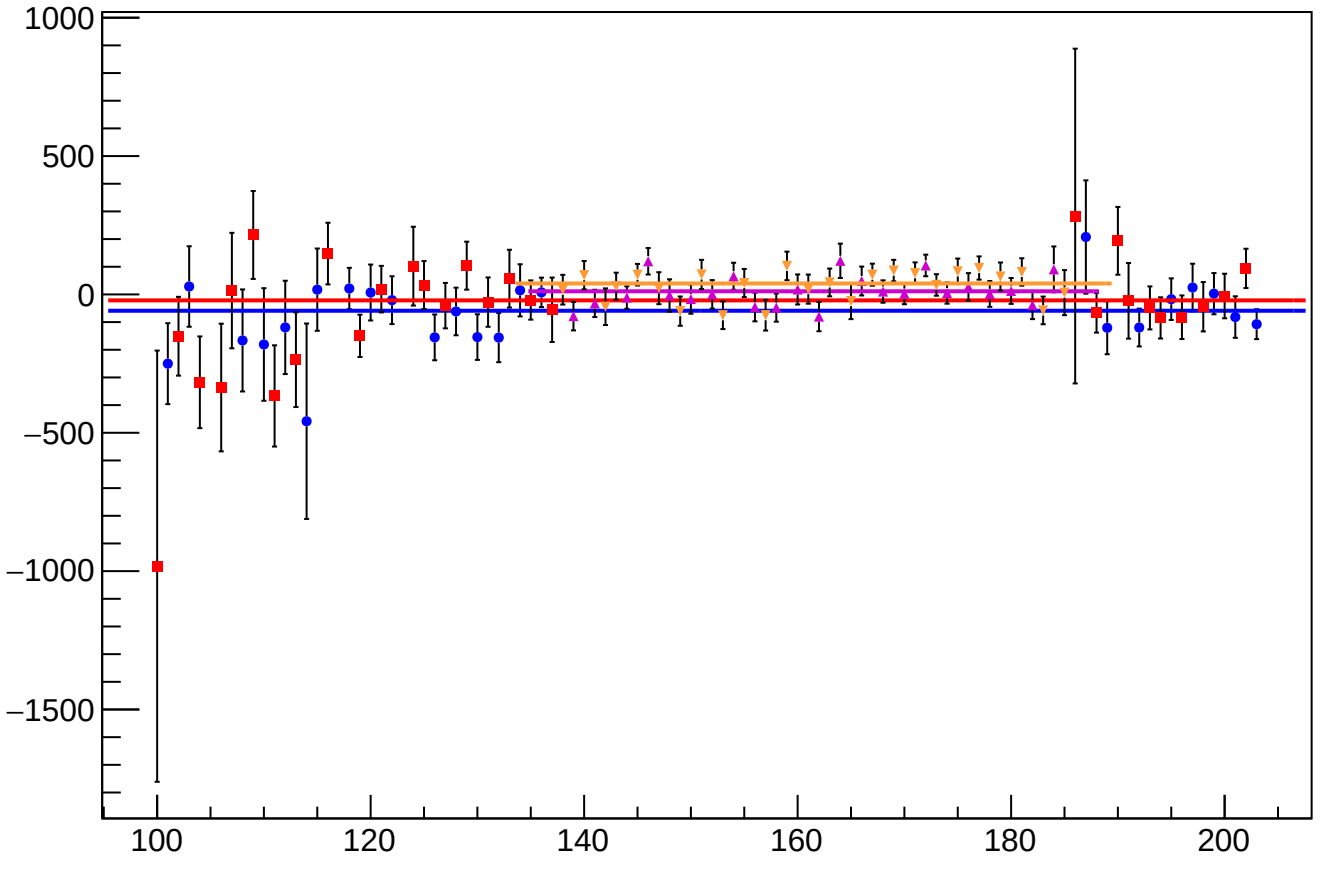
Left: 126.293+/-0.015 χ^2/NDF: 3169151.8/47

Right: 212.676+/-0.031 χ^2/NDF: 7773354.4/52

In: 142.075+/-0.019 χ^2/NDF:7745795.6/46

Out: 143.168+/-0.019 χ^2/NDF:9522664.8/53

All: 142.631+/-0.013 χ^2/NDF: 17270111.8/10



Right In: -58.978+/-18.174 χ^2/NDF: 18.0/23

Left Out: 39.563+/-9.745 χ^2/NDF:29.6/24

Right Out: -21.541+/-18.627 χ^2/NDF: 32.0/28

Left In: 11.306+/-10.077 χ^2/NDF:27.9/22

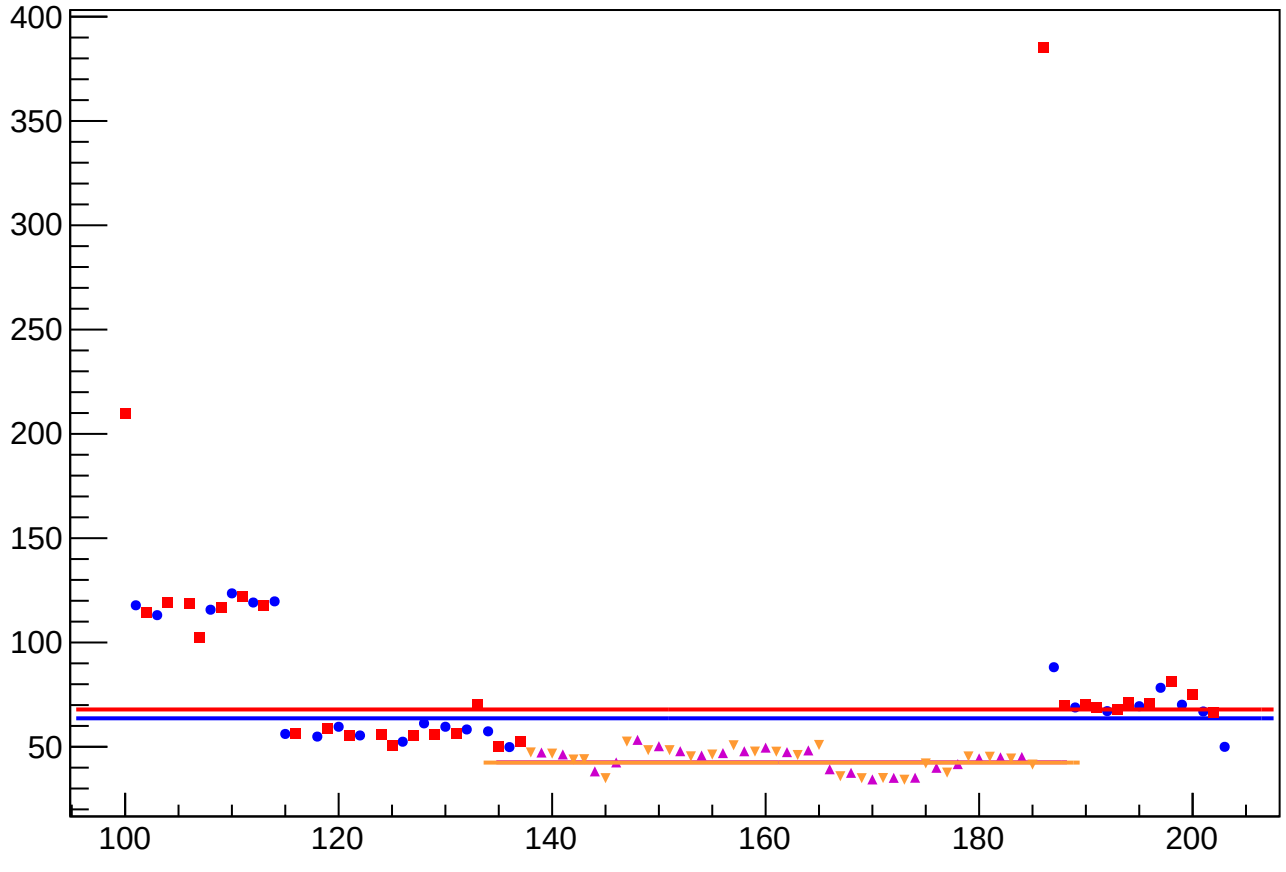
Left: 25.908+/-7.005 χ^2/NDF: 61.6/47

Right: -40.721+/-13.008 χ^2/NDF: 52.1/52

In: -5.221+/-8.813 χ^2/NDF:57.4/46

Out: 26.433+/-8.635 χ^2/NDF:70.1/53

All: 10.929+/-6.168 χ^2/NDF: 134.0/100



Right In: 63.652+/-0.013 χ^2/NDF: 1609594.6/23

Left Out: 42.426+/-0.007 χ^2/NDF:698766.0/24

Right Out: 67.895+/-0.013 χ^2/NDF: 2245460.1/28

Left In: 42.579+/-0.007 χ^2/NDF:589897.0/22

Left: 42.500+/-0.005 χ^2/NDF: 1288900.7/47

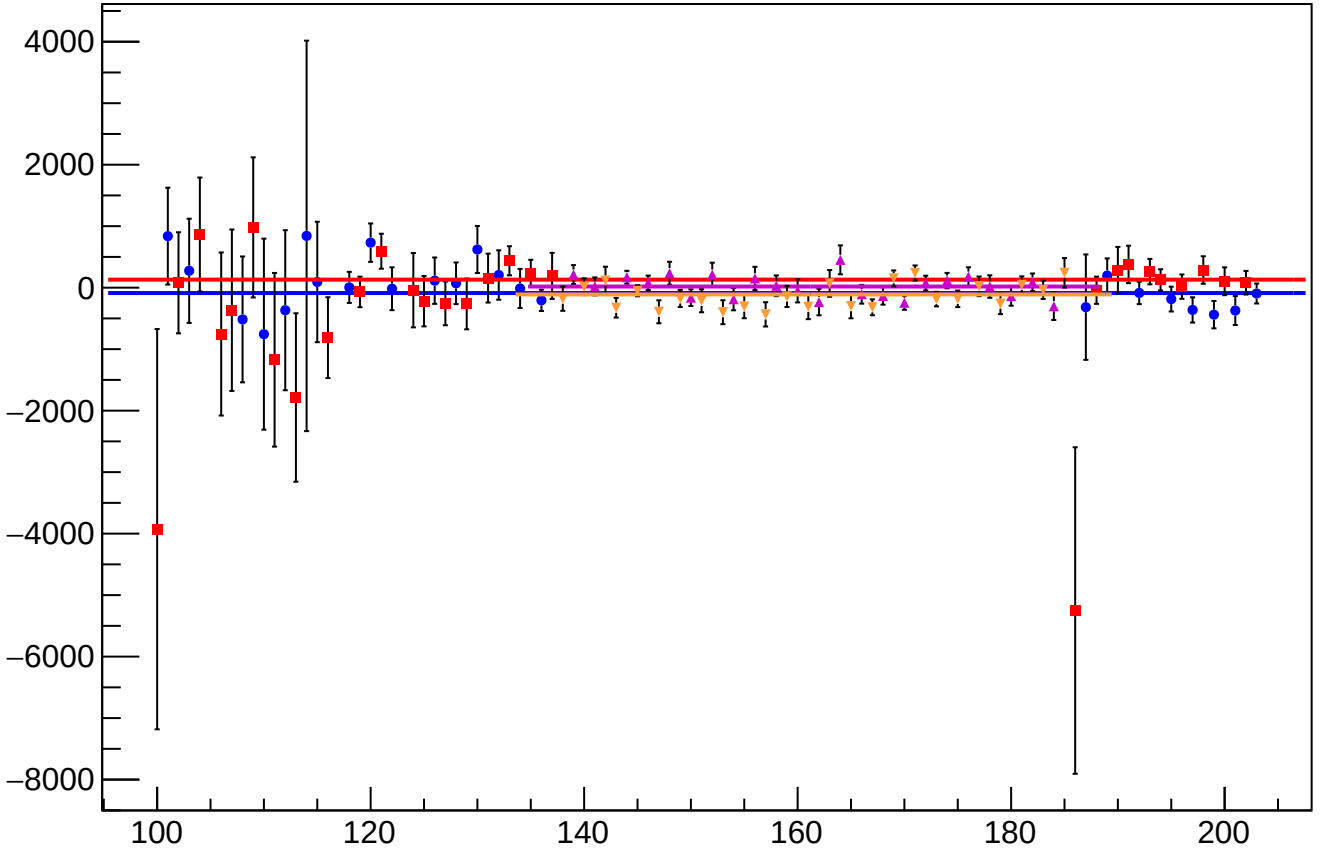
Right: 65.721+/-0.009 χ^2/NDF: 3908217.0/52

In: 47.534+/-0.006 χ^2/NDF:4256049.2/46

Out: 47.899+/-0.006 χ^2/NDF:5879605.4/53

All: 47.720+/-0.004 χ^2/NDF: 10137403.8/100

asym_sam_37_26_dd_dit_correction_mean vs Slug, Sign Corrected



Right In: -87.171+/-59.670 χ^2/NDF: 21.2/23

Left Out: -109.869+/-30.759 χ^2/NDF:36.3/24

Right Out: 130.588+/-57.812 χ^2/NDF: 23.2/28

Left In: 18.838+/-31.477 χ^2/NDF:27.2/22

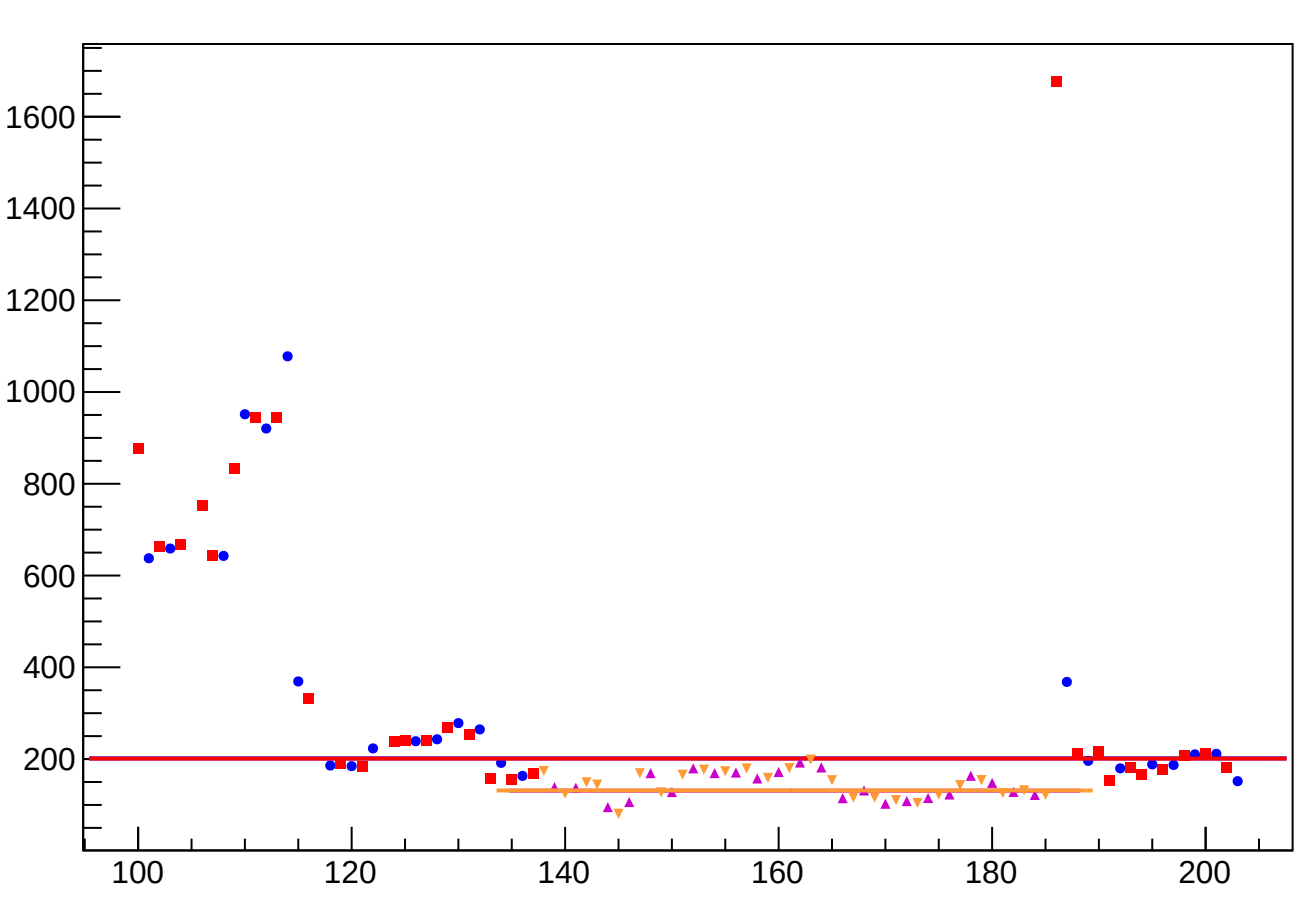
Left: -47.000+/-21.999 χ^2/NDF: 72.0/47

Right: 25.152+/-41.521 χ^2/NDF: 51.3/52

In: -4.239+/-27.841 χ^2/NDF:50.9/46

Out: -56.819+/-27.154 χ^2/NDF:72.9/53

All: -31.185+/-19.439 χ^2/NDF: 125.7/100



Right In: 201.508+/-0.042 χ^2/NDF: 3474027.3/23

Left Out: 131.515+/-0.022 χ^2/NDF:1902958.8/24

Right Out: 201.015+/-0.041 χ^2/NDF: 4782283.7/28

Left In: 131.074+/-0.022 χ^2/NDF:1467806.6/22

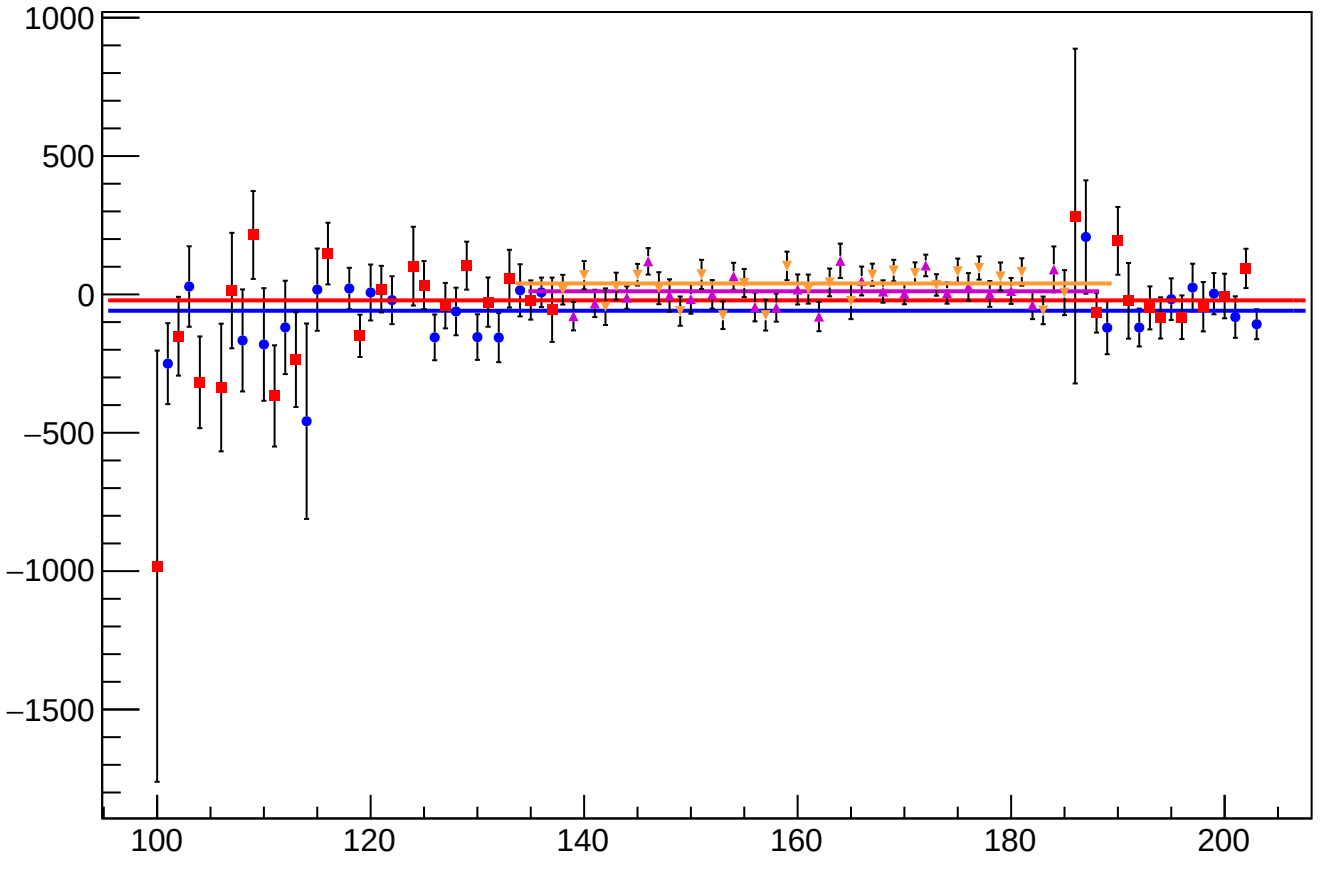
Left: 131.300+/-0.016 χ^2/NDF: 3370966.4/47

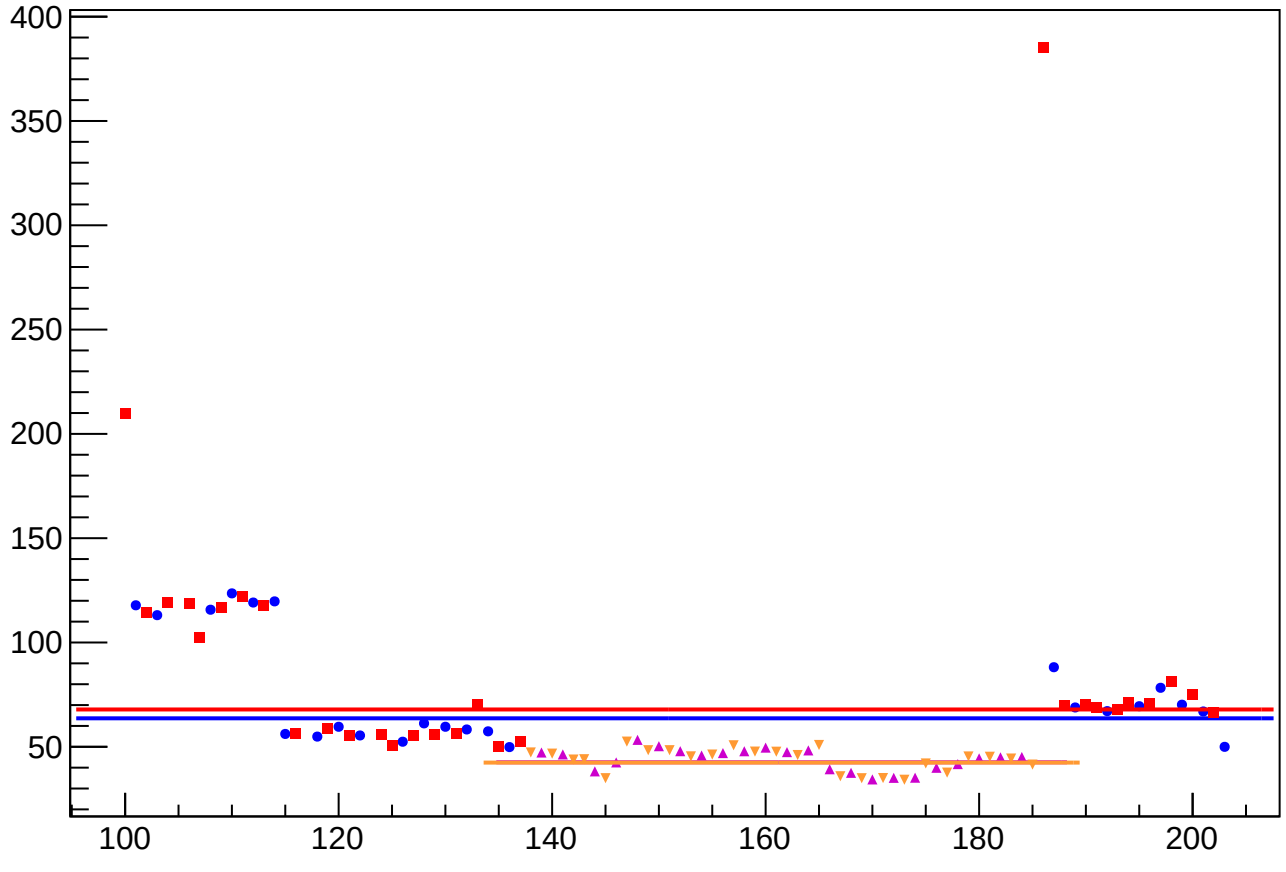
Right: 201.254+/-0.029 χ^2/NDF: 8256381.3/52

In: 146.407+/-0.020 χ^2/NDF:7121856.9/46

Out: 146.848+/-0.019 χ^2/NDF:8938005.7/53

All: 146.633+/-0.014 χ^2/NDF: 16060120.5/10


eigen_dit_asym_sam_37_26_dd_mean vs Slug, Sign Corrected
1000
500
0
−500
−1000
−1500
100
120
140
160
180
200
Right In: -58.979+/-18.174 χ²/NDF: 18.0/23
Left Out: 39.564+/-9.745 χ²/NDF:29.6/24
Right Out: -21.542+/-18.627 χ²/NDF: 32.0/28
Left In: 11.306+/-10.077 χ²/NDF:27.9/22
Left: 25.908+/-7.005 χ²/NDF: 61.6/47
Right: -40.721+/-13.008 χ²/NDF: 52.1/52
In: -5.221+/-8.813 χ²/NDF:57.4/46
Out: 26.433+/-8.635 χ²/NDF:70.1/53
All: 10.929+/-6.168 χ²/NDF: 134.0/100



Right In: 63.652+/-0.013 χ^2/NDF: 1609590.4/23

Left Out: 42.426+/-0.007 χ^2/NDF:698784.4/24

Right Out: 67.895+/-0.013 χ^2/NDF: 2245460.4/28

Left In: 42.579+/-0.007 χ^2/NDF:589901.9/22

Left: 42.500+/-0.005 χ^2/NDF: 1288924.2/47

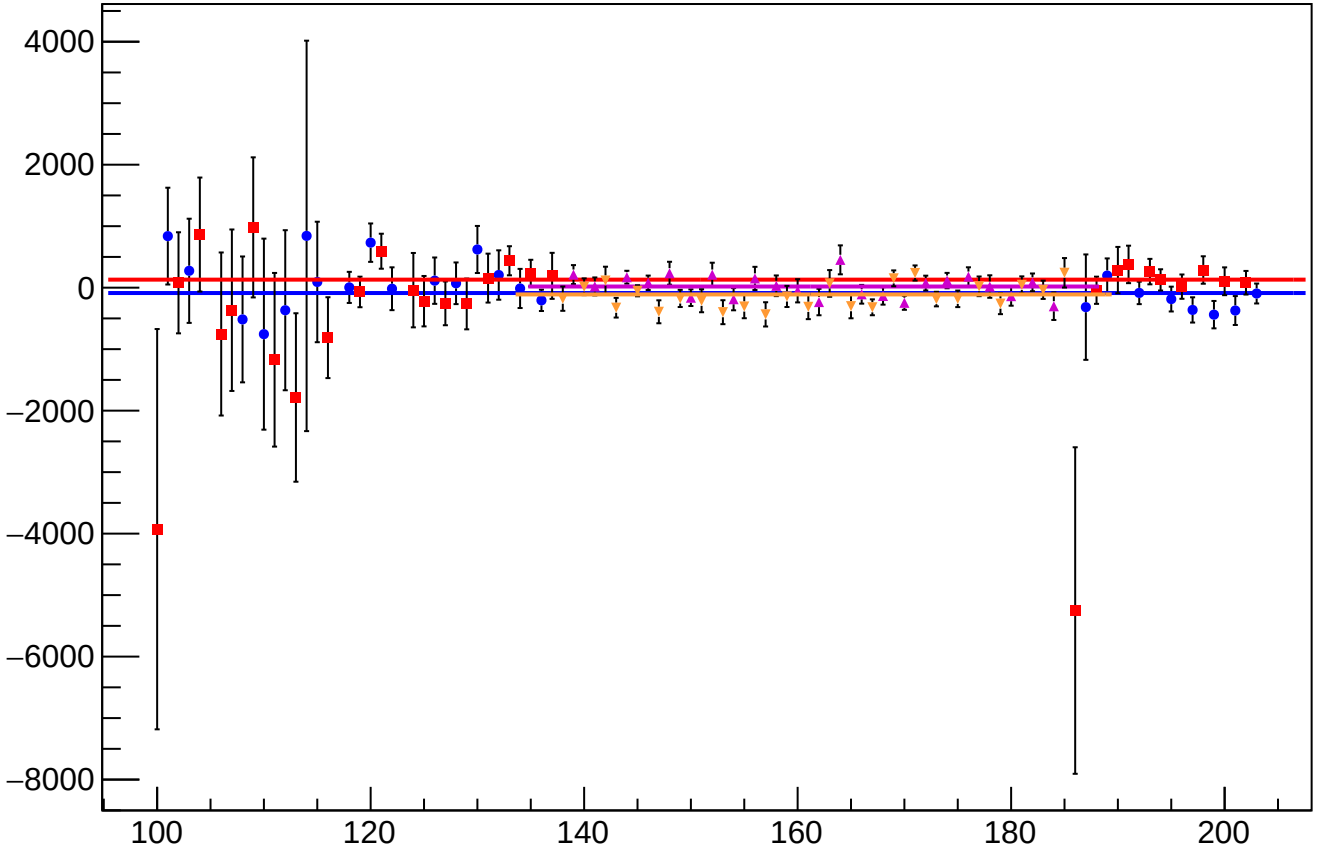
Right: 65.721+/-0.009 χ^2/NDF: 3908216.8/52

In: 47.534+/-0.006 χ^2/NDF:4256030.1/46

Out: 47.899+/-0.006 χ^2/NDF:5879646.0/53

All: 47.720+/-0.004 χ^2/NDF: 10137424.7/100

asym_sam_37_26_dd_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -87.171+/-59.670 χ^2/NDF: 21.2/23

Left Out: -109.869+/-30.759 χ^2/NDF:36.3/24

Right Out: 130.587+/-57.812 χ^2/NDF: 23.2/28

Left In: 18.838+/-31.477 χ^2/NDF:27.2/22

Left: -47.000+/-21.999 χ^2/NDF: 72.0/47

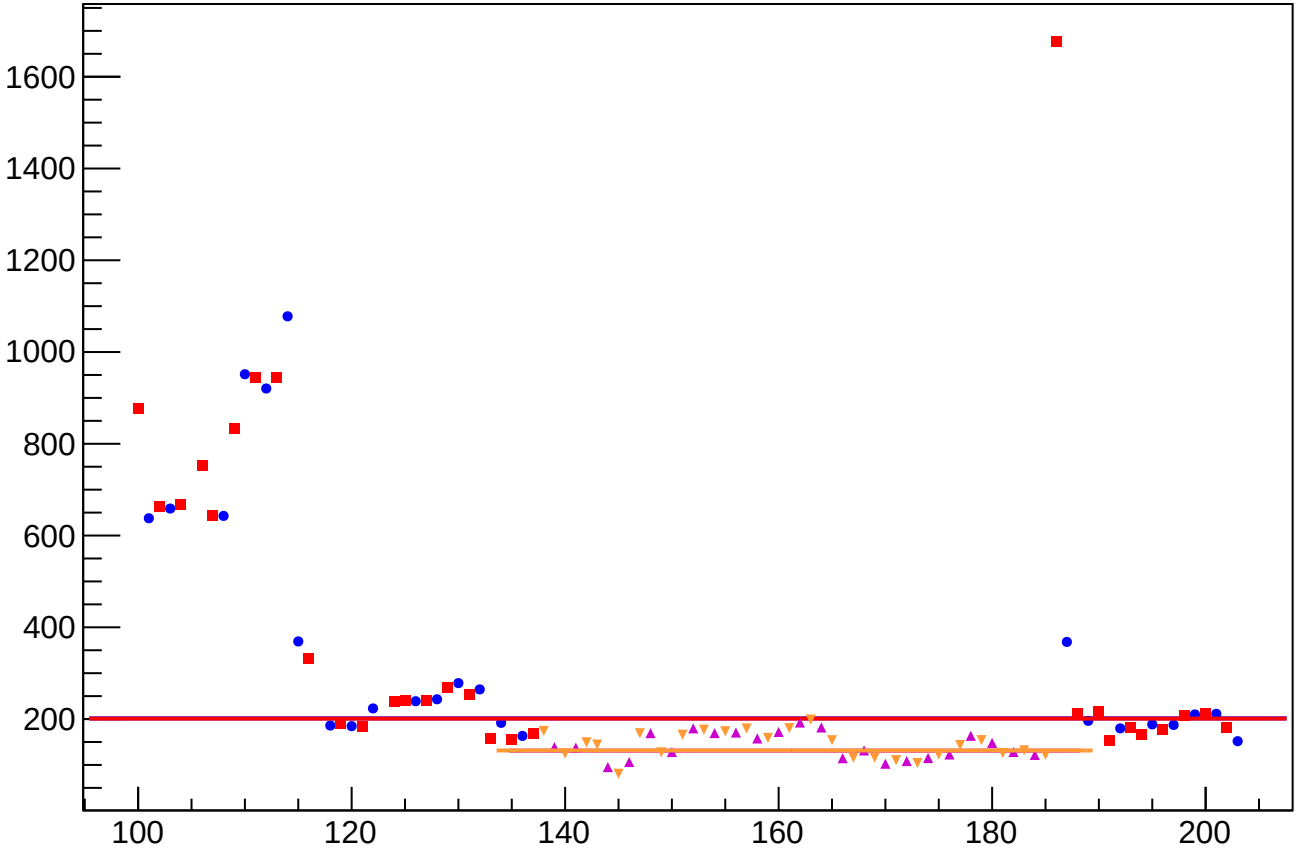
Right: 25.151+/-41.520 χ^2/NDF: 51.3/52

In: -4.239+/-27.841 χ^2/NDF:50.9/46

Out: -56.819+/-27.155 χ^2/NDF:72.9/53

All: -31.185+/-19.439 χ^2/NDF: 125.7/100

asym_sam_37_26_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 201.507+/-0.042 χ^2/NDF: 3474019.7/23

Left Out: 131.515+/-0.022 χ^2/NDF:1902951.8/24

Right Out: 201.015+/-0.041 χ^2/NDF: 4782285.9/28

Left In: 131.074+/-0.022 χ^2/NDF:1467810.7/22

Left: 131.300+/-0.016 χ^2/NDF: 3370963.6/47

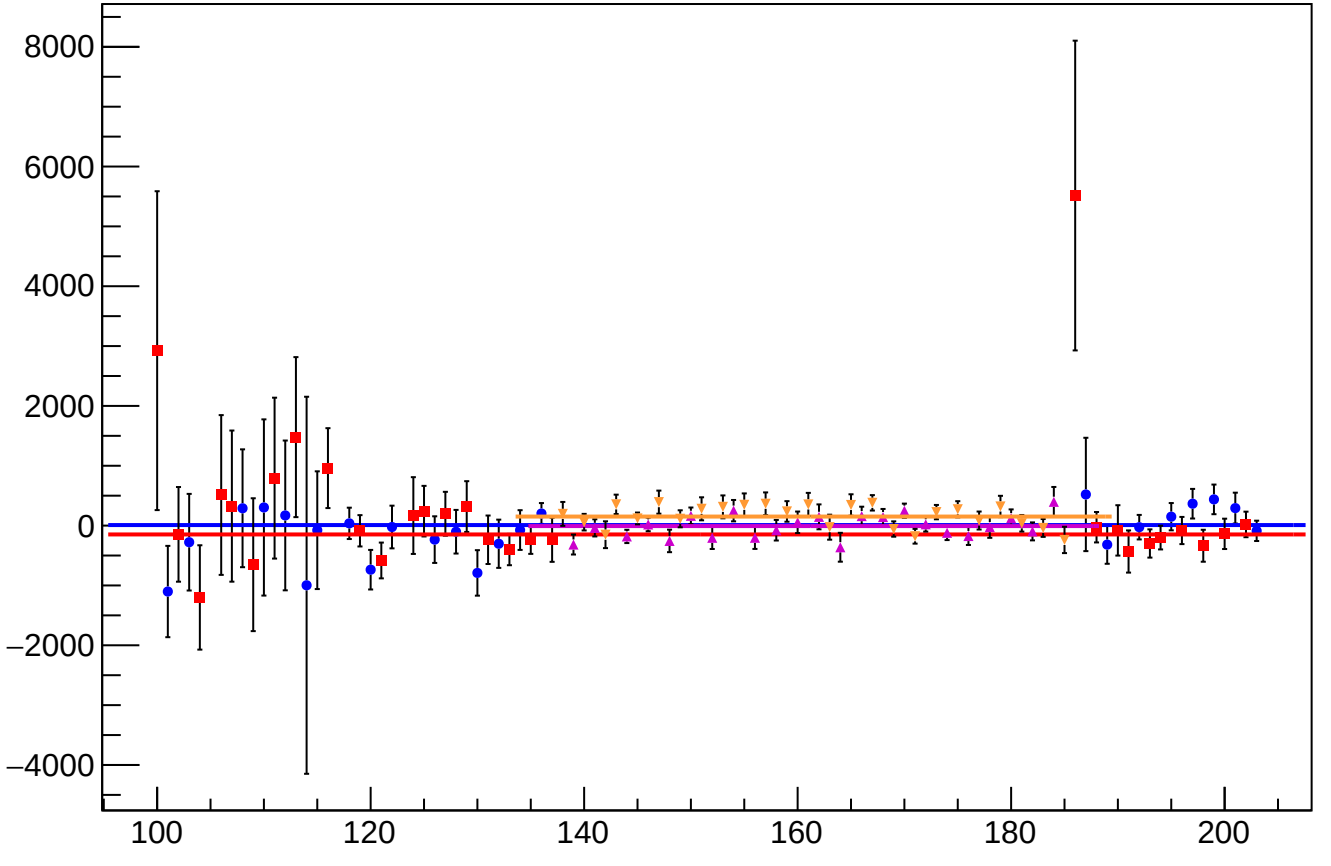
Right: 201.253+/-0.029 χ^2/NDF: 8256376.0/52

In: 146.407+/-0.020 χ^2/NDF:7121814.1/46

Out: 146.848+/-0.019 χ^2/NDF:8937954.2/53

All: 146.633+/-0.014 χ^2/NDF: 16060026.2/10

asym_sam_37_26_dd_mean vs Slug, Sign Corrected



Right In: 9.047+/-64.072 χ^2/NDF: 22.8/23

Left Out: 151.108+/-30.952 χ^2/NDF:33.1/24

Right Out: -147.787+/-63.836 χ^2/NDF: 22.0/28

Left In: -7.941+/-31.621 χ^2/NDF:29.5/22

Left: 73.285+/-22.119 χ^2/NDF: 75.5/47

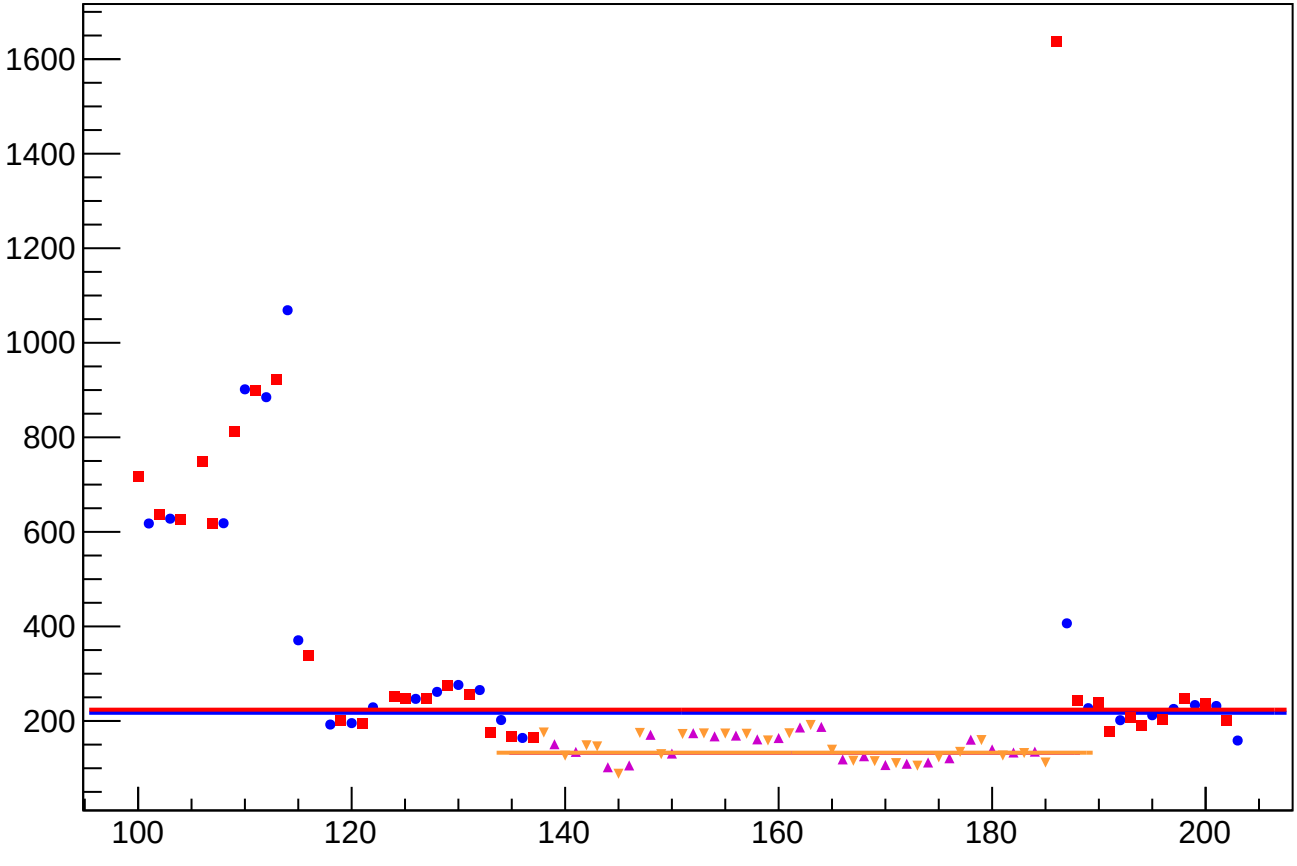
Right: -69.659+/-45.222 χ^2/NDF: 47.8/52

In: -4.614+/-28.356 χ^2/NDF:52.3/46

Out: 94.216+/-27.851 χ^2/NDF:72.9/53

All: 45.689+/-19.870 χ^2/NDF: 131.3/100

asym_sam_37_26_dd_rms vs Slug, Sign Corrected



Right In: 217.321+/-0.045 χ^2/NDF: 3282621.8/23

Left Out: 132.876+/-0.022 χ^2/NDF:1592310.5/24

Right Out: 223.918+/-0.045 χ^2/NDF: 4325605.3/28

Left In: 132.342+/-0.022 χ^2/NDF:1277761.6/22

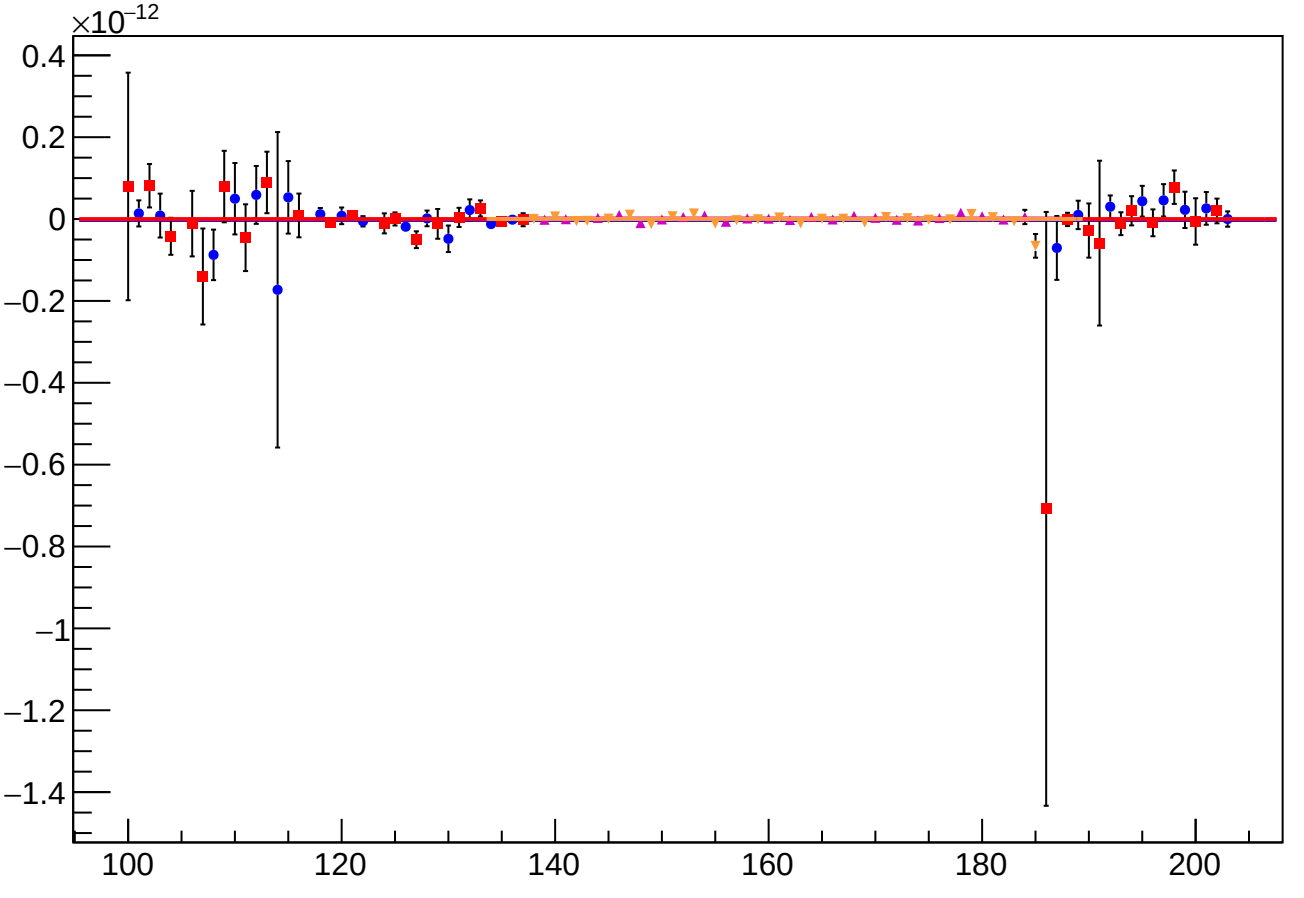
Left: 132.614+/-0.016 χ^2/NDF: 2870363.4/47

Right: 220.632+/-0.032 χ^2/NDF: 7618867.8/52

In: 148.986+/-0.020 χ^2/NDF:7389517.1/46

Out: 150.205+/-0.020 χ^2/NDF:9211656.3/53

All: 149.606+/-0.014 χ^2/NDF: 16603055.0/10



Right In: -0.000+/-0.000 χ^2/NDF: 17.7/23

Left Out: 0.000+/-0.000 χ^2/NDF:32.2/24

Right Out: -0.000+/-0.000 χ^2/NDF: 24.0/28

Left In: 0.000+/-0.000 χ^2/NDF:14.9/22

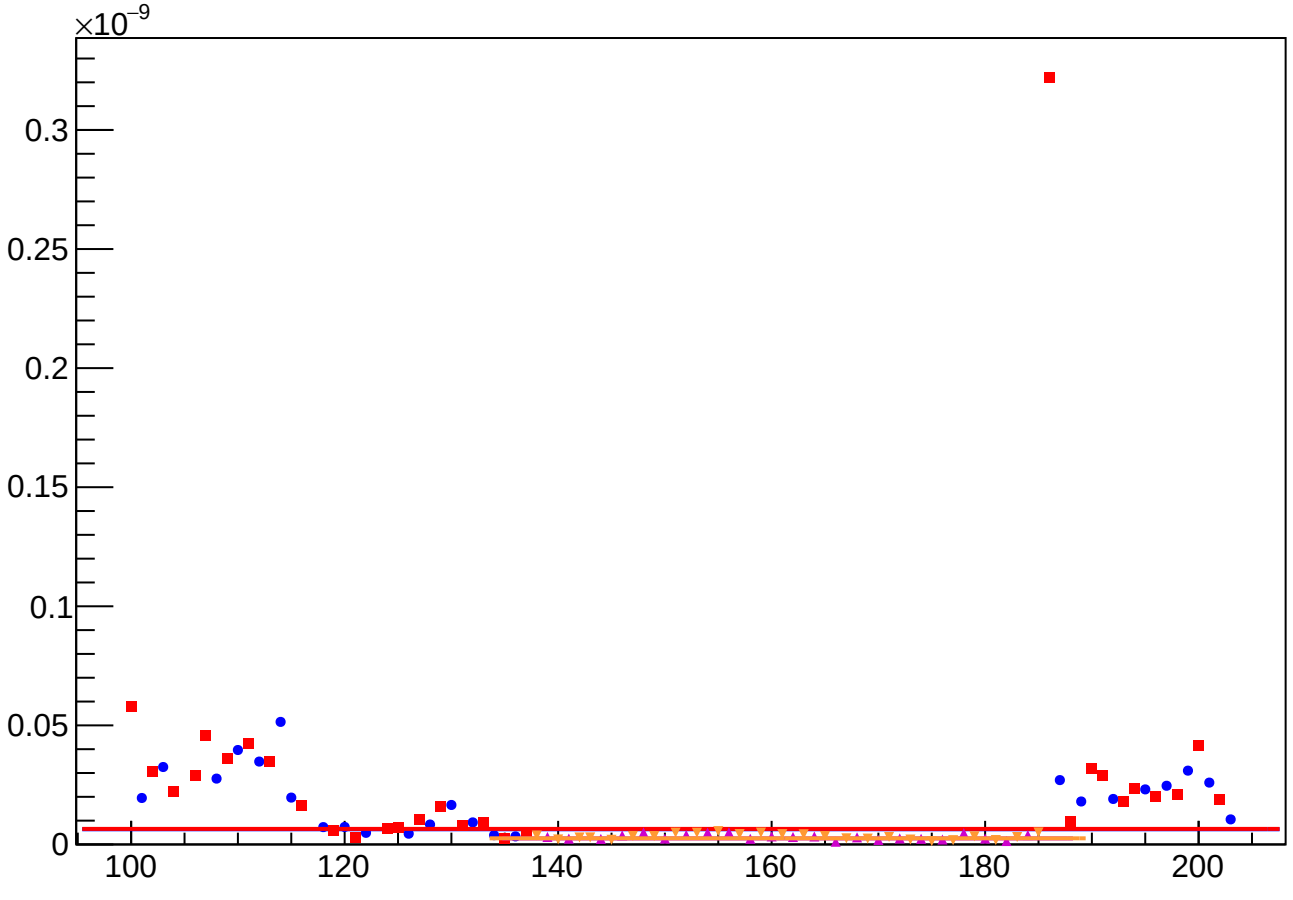
Left: 0.000+/-0.000 χ^2/NDF: 47.6/47

Right: -0.000+/-0.000 χ^2/NDF: 41.8/52

In: 0.000+/-0.000 χ^2/NDF:33.5/46

Out: 0.000+/-0.000 χ^2/NDF:56.2/53

All: 0.000+/-0.000 χ^2/NDF: 90.0/100



Right In: 0.000+/-0.000 χ^2/NDF: 5652026.7/23

Left Out: 0.000+/-0.000 χ^2/NDF:2174042.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 6757489.5/28

Left In: 0.000+/-0.000 χ^2/NDF:1530752.8/22

Left: 0.000+/-0.000 χ^2/NDF: 3707099.3/47

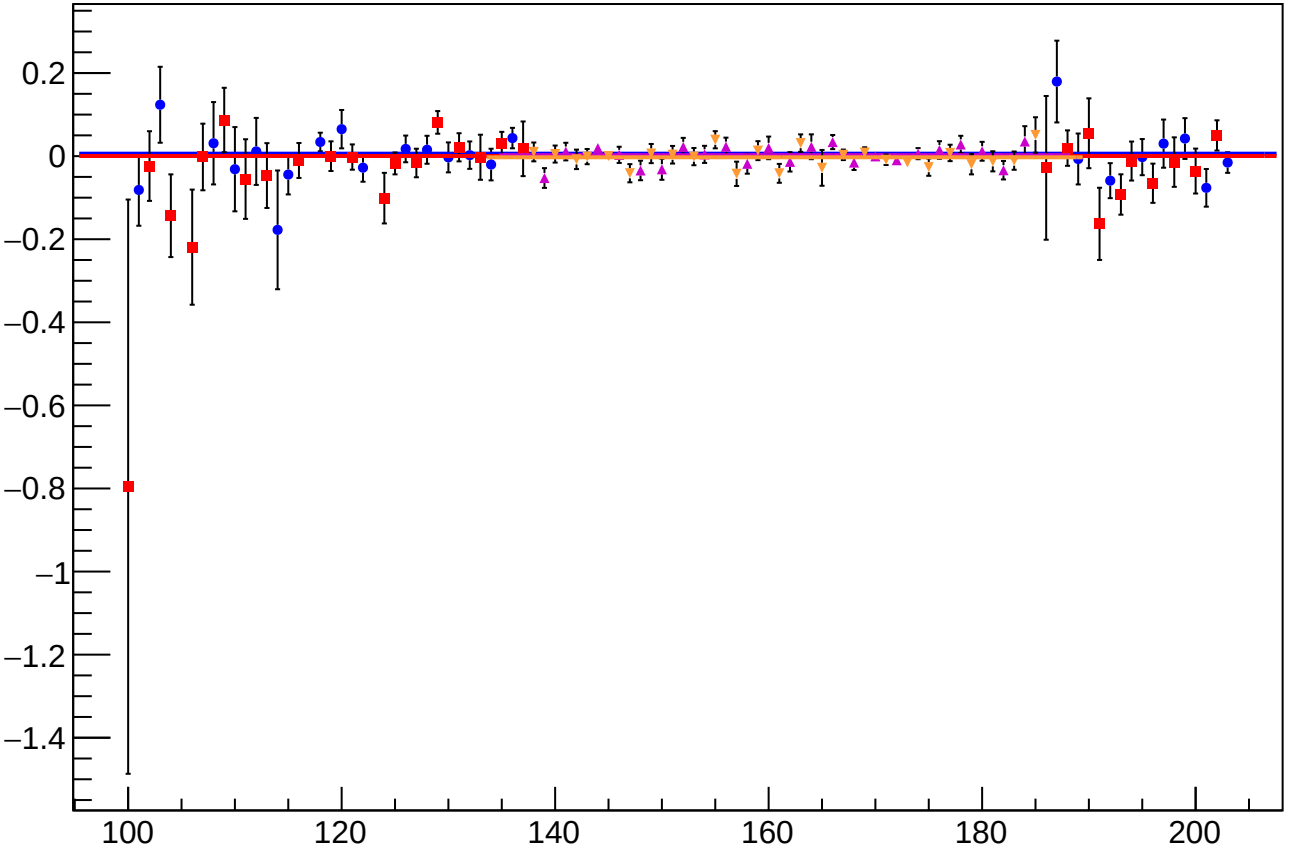
Right: 0.000+/-0.000 χ^2/NDF: 12411562.1/52

In: 0.000+/-0.000 χ^2/NDF:9400101.9/46

Out: 0.000+/-0.000 χ^2/NDF:11051946.4/53

All: 0.000+/-0.000 χ^2/NDF: 20452145.0/100

asym_sam_37_26_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.006+/-0.008 χ^2/NDF: 23.3/23

Left Out: -0.003+/-0.004 χ^2/NDF:22.6/24

Right Out: 0.000+/-0.009 χ^2/NDF: 34.0/28

Left In: 0.002+/-0.004 χ^2/NDF:26.9/22

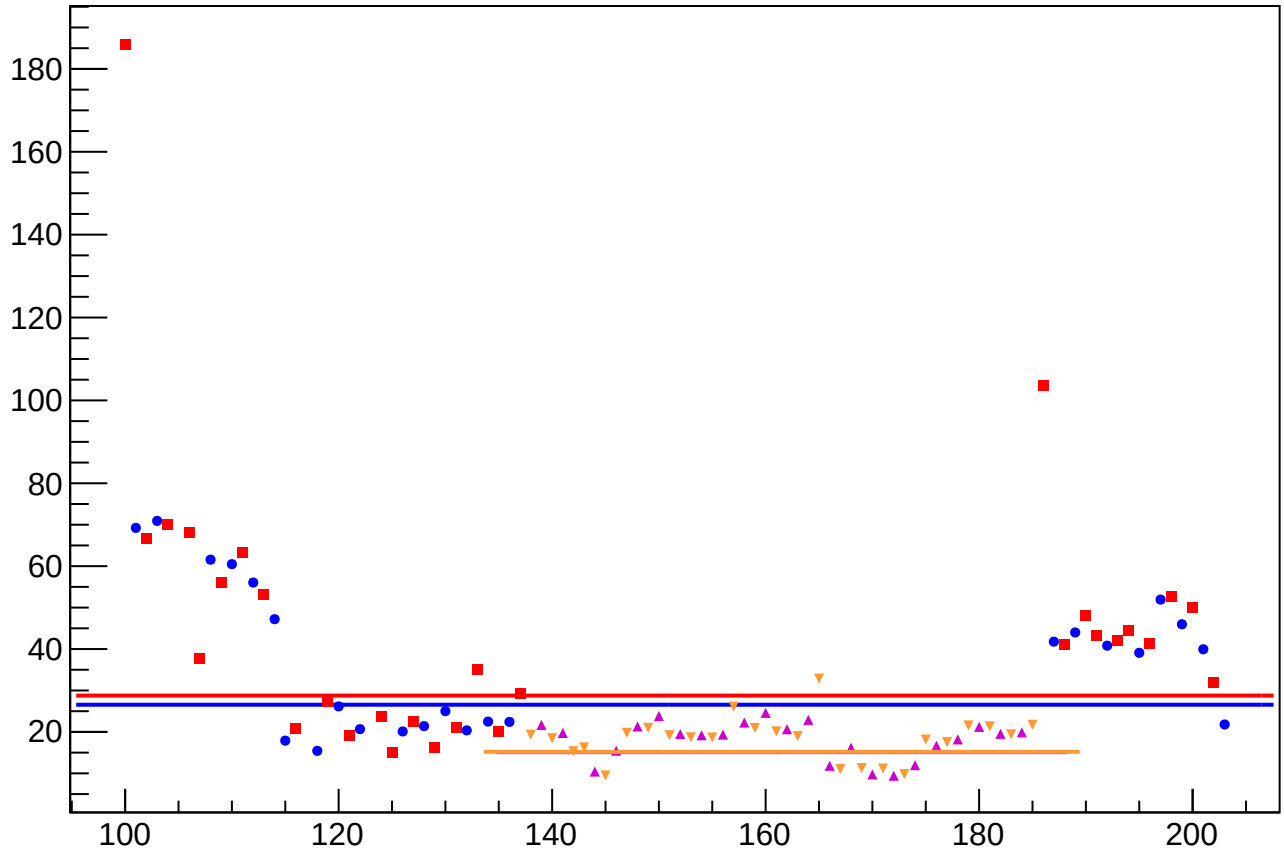
Left: -0.000+/-0.003 χ^2/NDF: 50.5/47

Right: 0.003+/-0.006 χ^2/NDF: 57.4/52

In: 0.003+/-0.003 χ^2/NDF:50.3/46

Out: -0.002+/-0.003 χ^2/NDF:56.7/53

All: 0.000+/-0.002 χ^2/NDF: 108.2/100



Right In: 26.560+/-0.006 χ^2/NDF: 4196065.2/23

Left Out: 15.202+/-0.003 χ^2/NDF:3441921.2/24

Right Out: 28.767+/-0.006 χ^2/NDF: 5244539.8/28

Left In: 15.116+/-0.003 χ^2/NDF:3402288.3/22

Left: 15.161+/-0.002 χ^2/NDF: 6844723.3/47

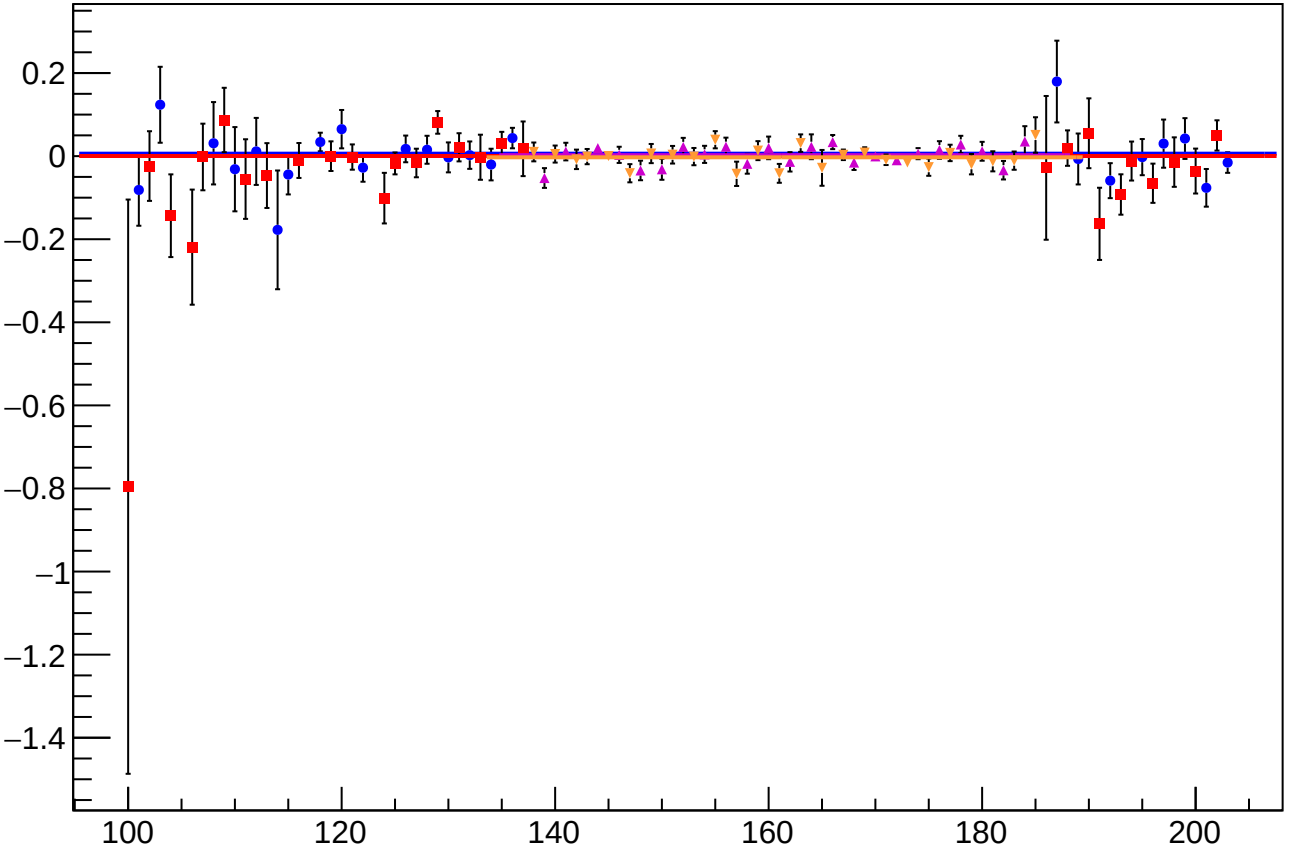
Right: 27.618+/-0.004 χ^2/NDF: 9508748.9/52

In: 17.131+/-0.002 χ^2/NDF:10749730.4/46

Out: 17.313+/-0.002 χ^2/NDF:12859508.5/53

All: 17.224+/-0.002 χ^2/NDF: 23612032.5/100

asym_sam_37_26_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.006+/-0.008 χ^2/NDF: 23.3/23

Left Out: -0.003+/-0.004 χ^2/NDF:22.6/24

Right Out: 0.000+/-0.009 χ^2/NDF: 34.0/28

Left In: 0.002+/-0.004 χ^2/NDF:26.9/22

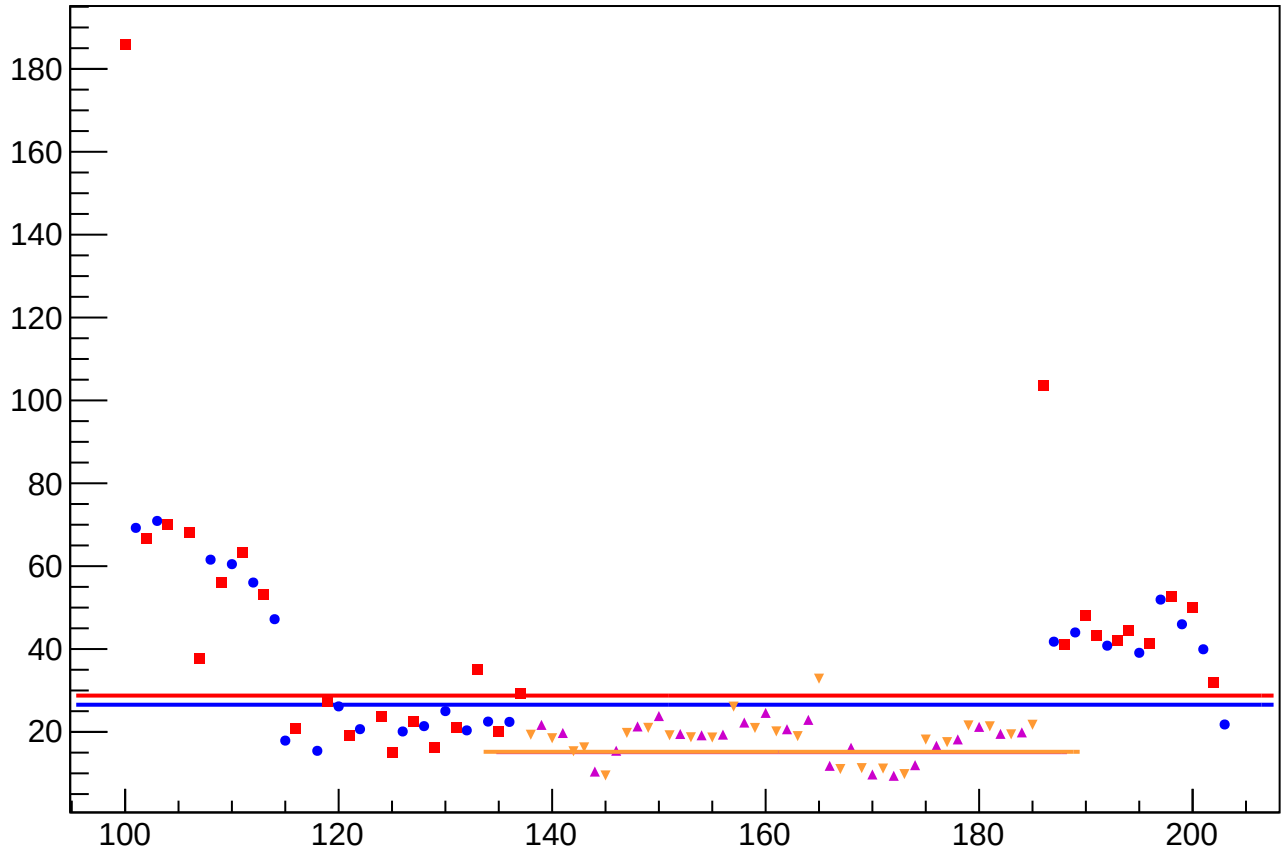
Left: -0.000+/-0.003 χ^2/NDF: 50.5/47

Right: 0.003+/-0.006 χ^2/NDF: 57.4/52

In: 0.003+/-0.003 χ^2/NDF:50.3/46

Out: -0.002+/-0.003 χ^2/NDF:56.7/53

All: 0.000+/-0.002 χ^2/NDF: 108.2/100



Right In: 26.560+/-0.006 χ^2/NDF: 4196065.2/23

Left Out: 15.202+/-0.003 χ^2/NDF:3441921.2/24

Right Out: 28.767+/-0.006 χ^2/NDF: 5244539.8/28

Left In: 15.116+/-0.003 χ^2/NDF:3402288.3/22

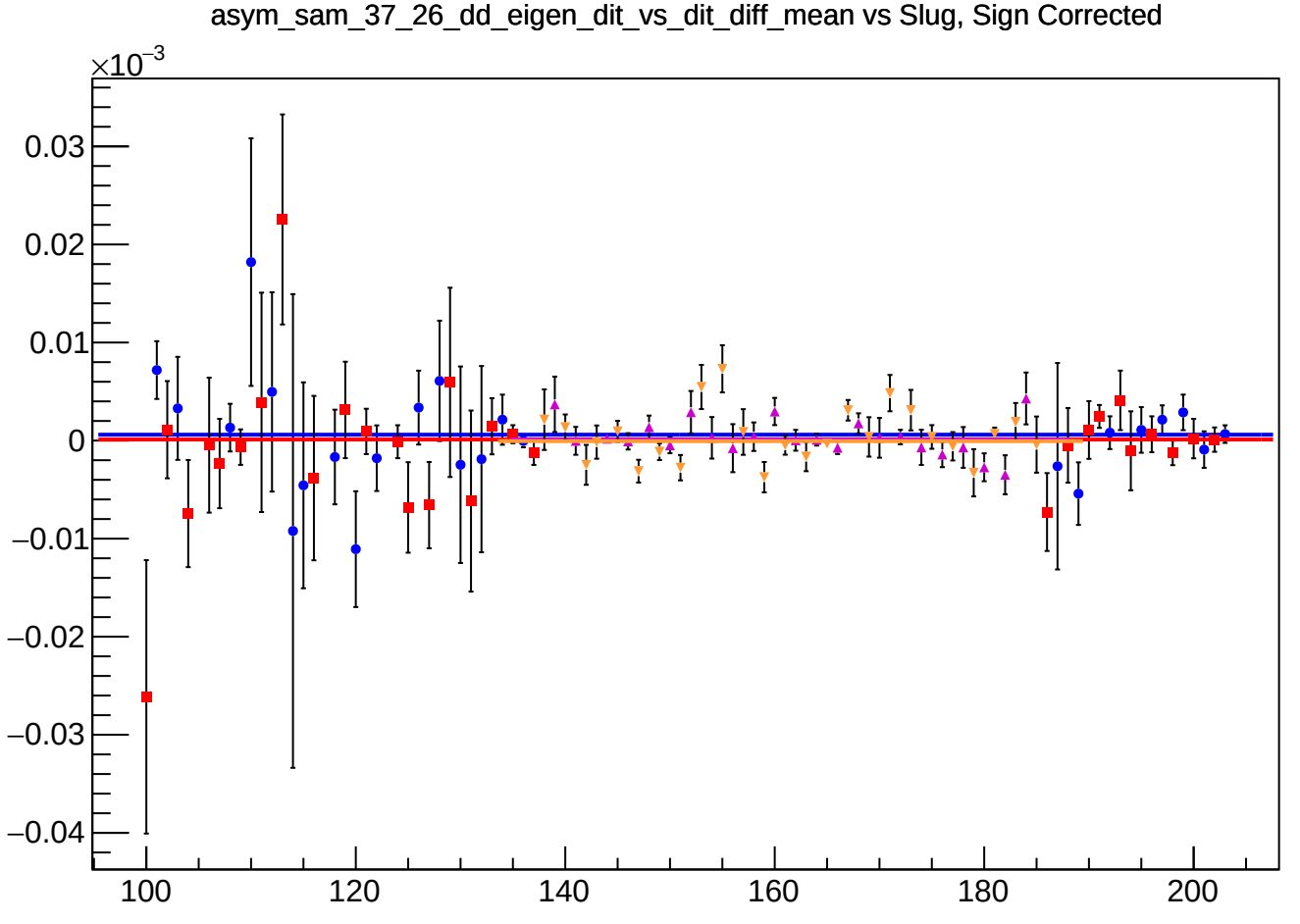
Left: 15.161+/-0.002 χ^2/NDF: 6844723.3/47

Right: 27.618+/-0.004 χ^2/NDF: 9508748.9/52

In: 17.131+/-0.002 χ^2/NDF:10749730.4/46

Out: 17.313+/-0.002 χ^2/NDF:12859508.5/53

All: 17.224+/-0.002 χ^2/NDF: 23612032.5/100



Right In: 0.000+/-0.000 χ^2/NDF: 22.4/23

Left Out: -0.000+/-0.000 χ^2/NDF:62.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 29.0/28

Left In: 0.000+/-0.000 χ^2/NDF:25.5/22

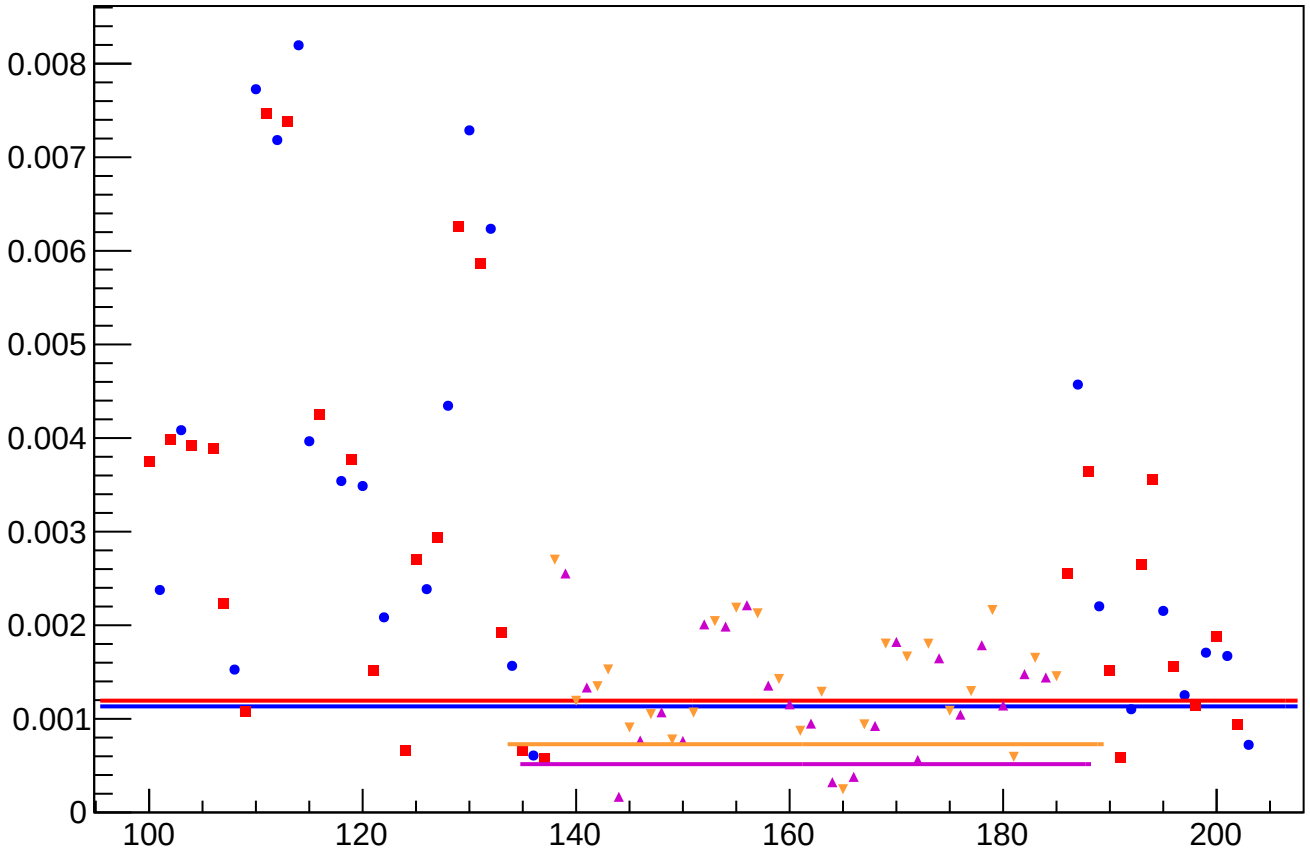
Left: 0.000+/-0.000 χ^2/NDF: 88.7/47

Right: 0.000+/-0.000 χ^2/NDF: 52.1/52

In: 0.000+/-0.000 χ^2/NDF:49.1/46

Out: -0.000+/-0.000 χ^2/NDF:91.9/53

All: 0.000+/-0.000 χ^2/NDF: 141.7/100



Right In: 0.001+/-0.000 χ^2/NDF: 8692990.3/23

Left Out: 0.001+/-0.000 χ^2/NDF:13120515.6/24

Right Out: 0.001+/-0.000 χ^2/NDF: 10003502.3/28

Left In: 0.001+/-0.000 χ^2/NDF:15027708.0/22

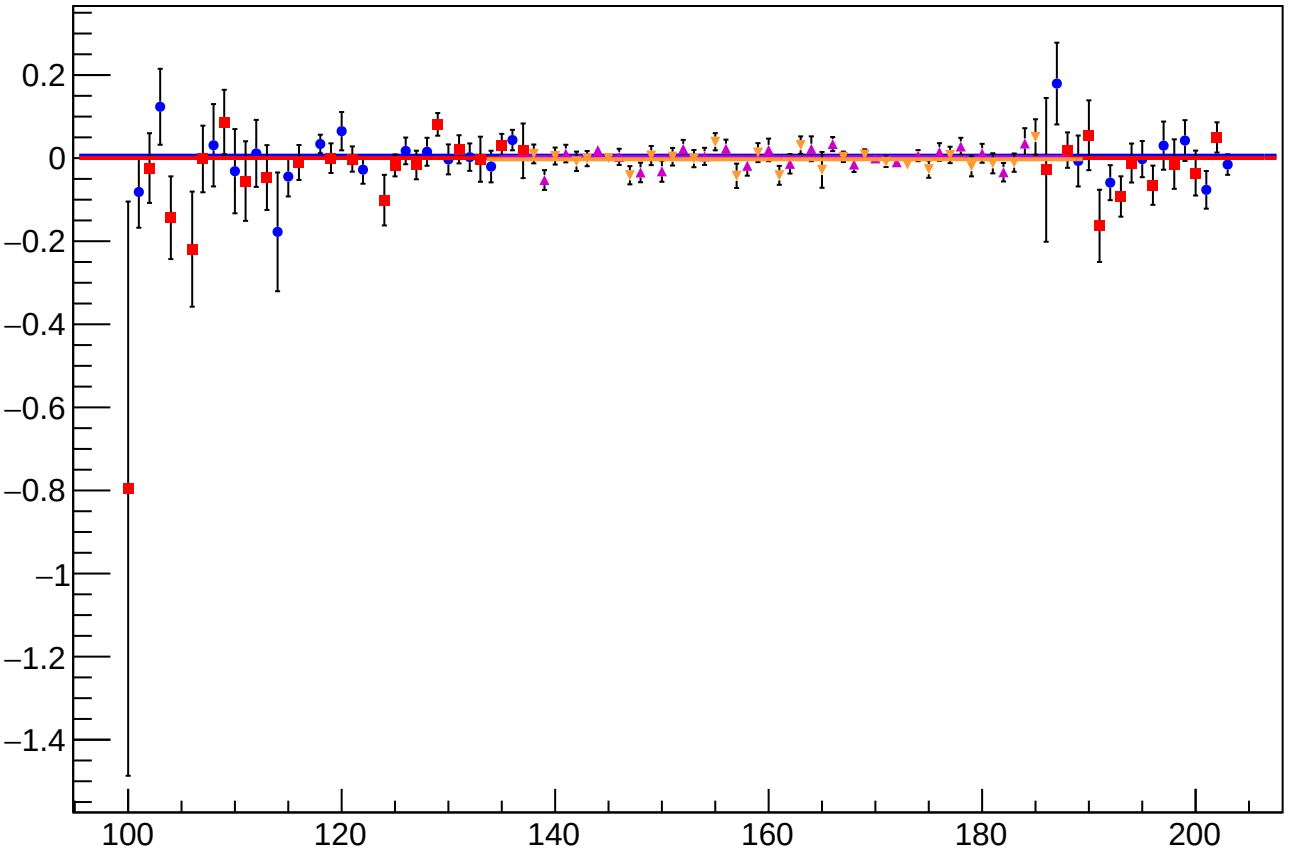
Left: 0.001+/-0.000 χ^2/NDF: 29374928.0/47

Right: 0.001+/-0.000 χ^2/NDF: 18719507.4/52

In: 0.001+/-0.000 χ^2/NDF:27648228.7/46

Out: 0.001+/-0.000 χ^2/NDF:25209904.1/53

All: 0.001+/-0.000 χ^2/NDF: 54358132.1/100



Right In: 0.006+/-0.008 χ^2/NDF: 23.3/23

Left Out: -0.003+/-0.004 χ^2/NDF:22.6/24

Right Out: 0.000+/-0.009 χ^2/NDF: 34.0/28

Left In: 0.002+/-0.004 χ^2/NDF:26.9/22

Left: -0.000+/-0.003 χ^2/NDF: 50.5/47

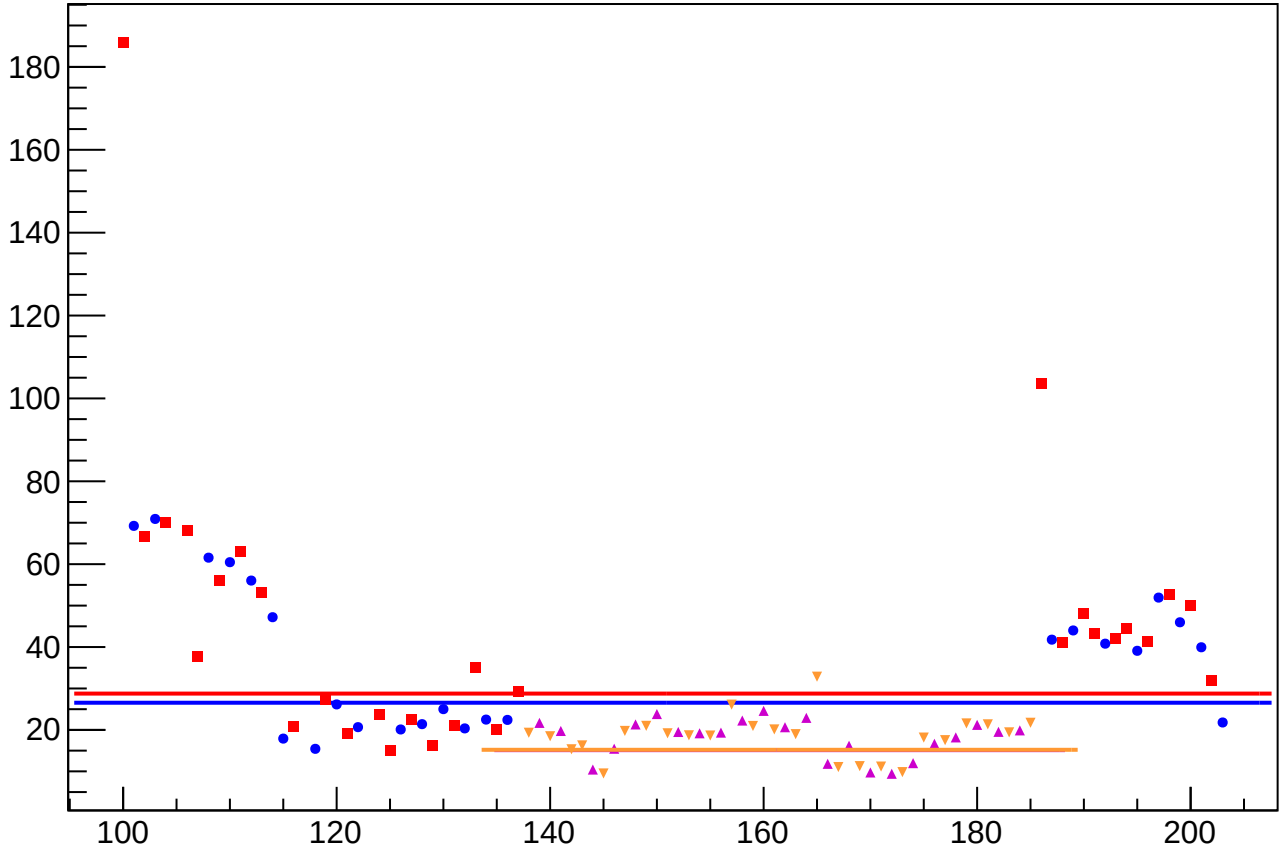
Right: 0.003+/-0.006 χ^2/NDF: 57.4/52

In: 0.003+/-0.003 χ^2/NDF:50.3/46

Out: -0.002+/-0.003 χ^2/NDF:56.7/53

All: 0.000+/-0.002 χ^2/NDF: 108.2/100

asym_sam_37_26_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 26.559+/-0.006 χ^2/NDF: 4196375.7/23

Left Out: 15.202+/-0.003 χ^2/NDF:3442015.2/24

Right Out: 28.767+/-0.006 χ^2/NDF: 5244775.8/28

Left In: 15.117+/-0.003 χ^2/NDF:3402318.1/22

Left: 15.161+/-0.002 χ^2/NDF: 6844846.5/47

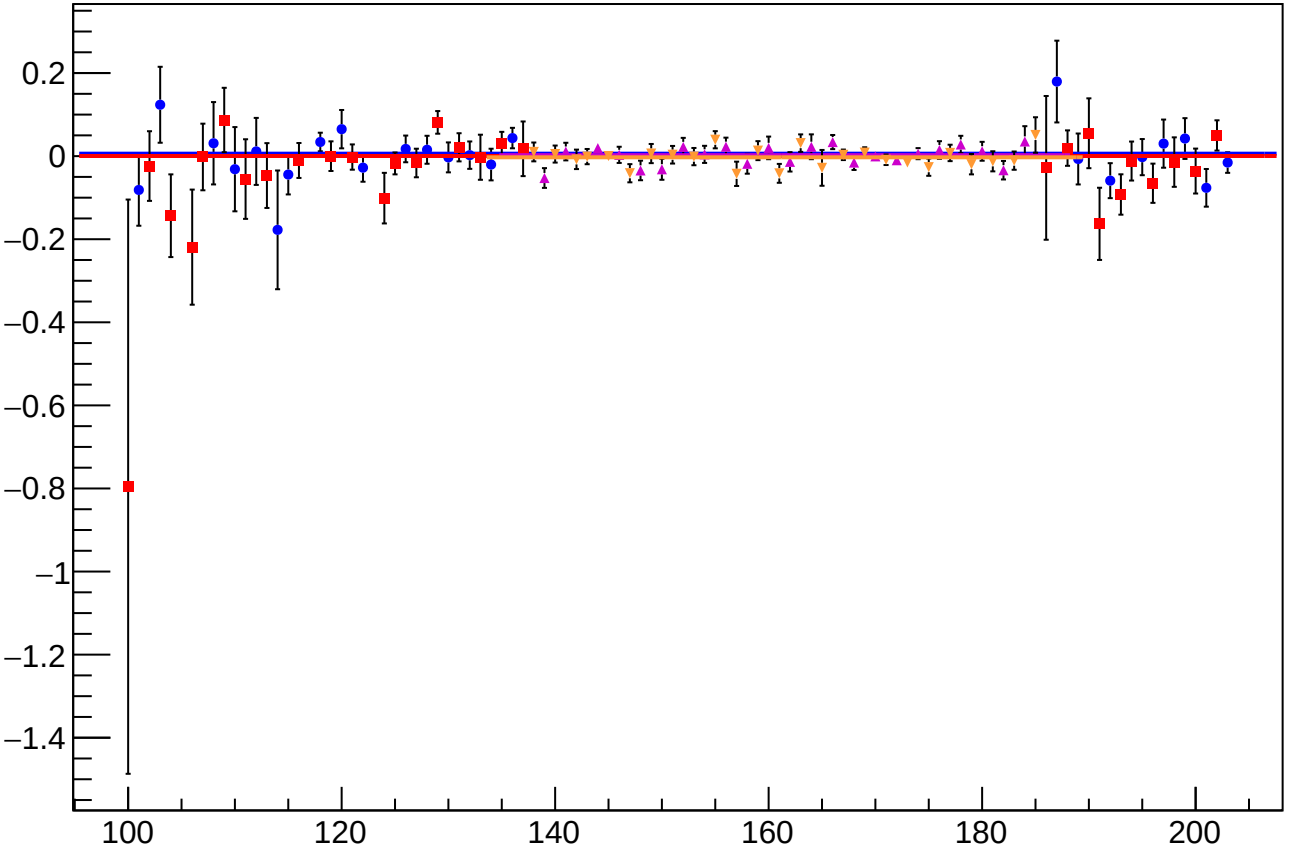
Right: 27.617+/-0.004 χ^2/NDF: 9509327.4/52

In: 17.131+/-0.002 χ^2/NDF:10749607.7/46

Out: 17.313+/-0.002 χ^2/NDF:12859566.8/53

All: 17.224+/-0.002 χ^2/NDF: 23611968.0/100

asym_sam_37_26_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.006+/-0.008 χ^2/NDF: 23.3/23

Left Out: -0.003+/-0.004 χ^2/NDF:22.6/24

Right Out: 0.000+/-0.009 χ^2/NDF: 34.0/28

Left In: 0.002+/-0.004 χ^2/NDF:26.9/22

Left: -0.000+/-0.003 χ^2/NDF: 50.5/47

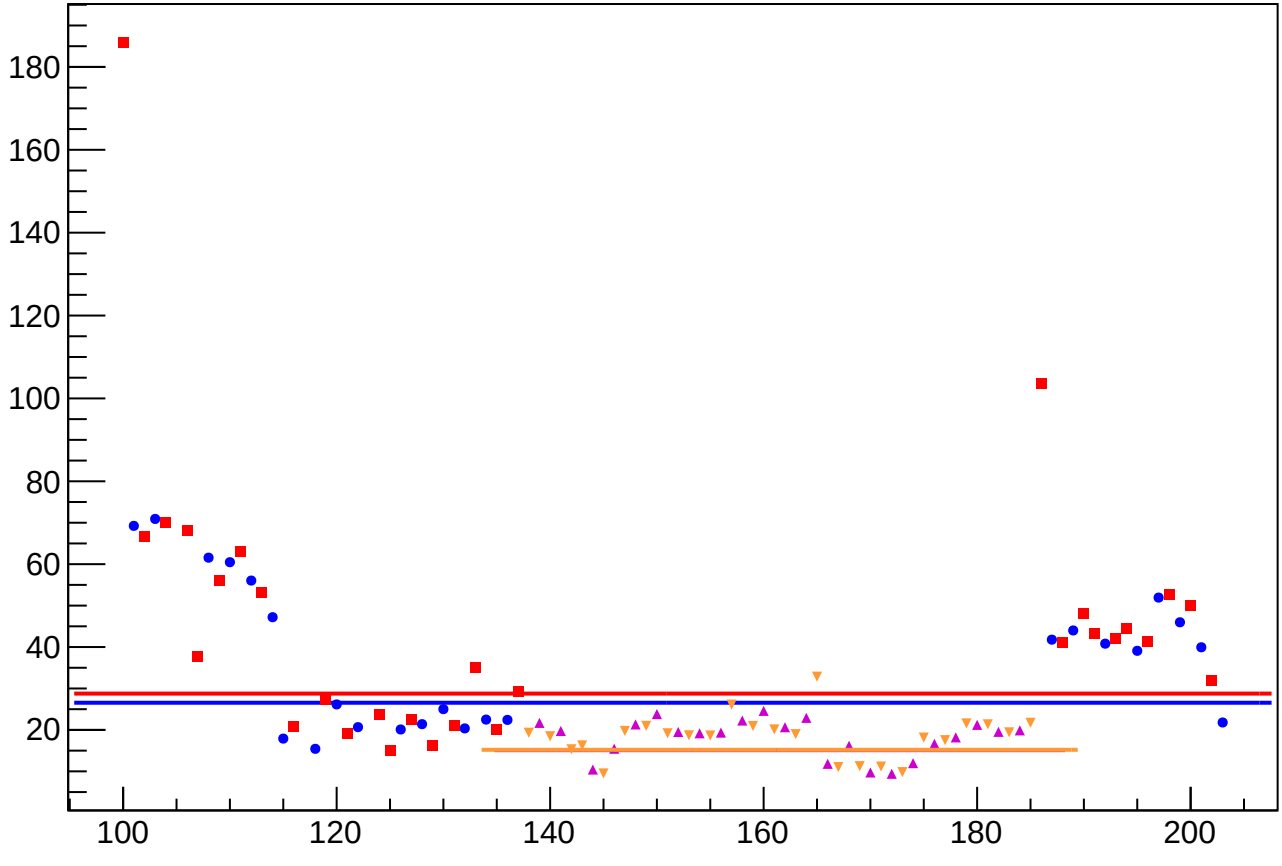
Right: 0.003+/-0.006 χ^2/NDF: 57.4/52

In: 0.003+/-0.003 χ^2/NDF:50.3/46

Out: -0.002+/-0.003 χ^2/NDF:56.7/53

All: 0.000+/-0.002 χ^2/NDF: 108.2/100

asym_sam_37_26_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 26.559+/-0.006 χ^2/NDF: 4196375.7/23

Left Out: 15.202+/-0.003 χ^2/NDF:3442015.2/24

Right Out: 28.767+/-0.006 χ^2/NDF: 5244775.8/28

Left In: 15.117+/-0.003 χ^2/NDF:3402318.1/22

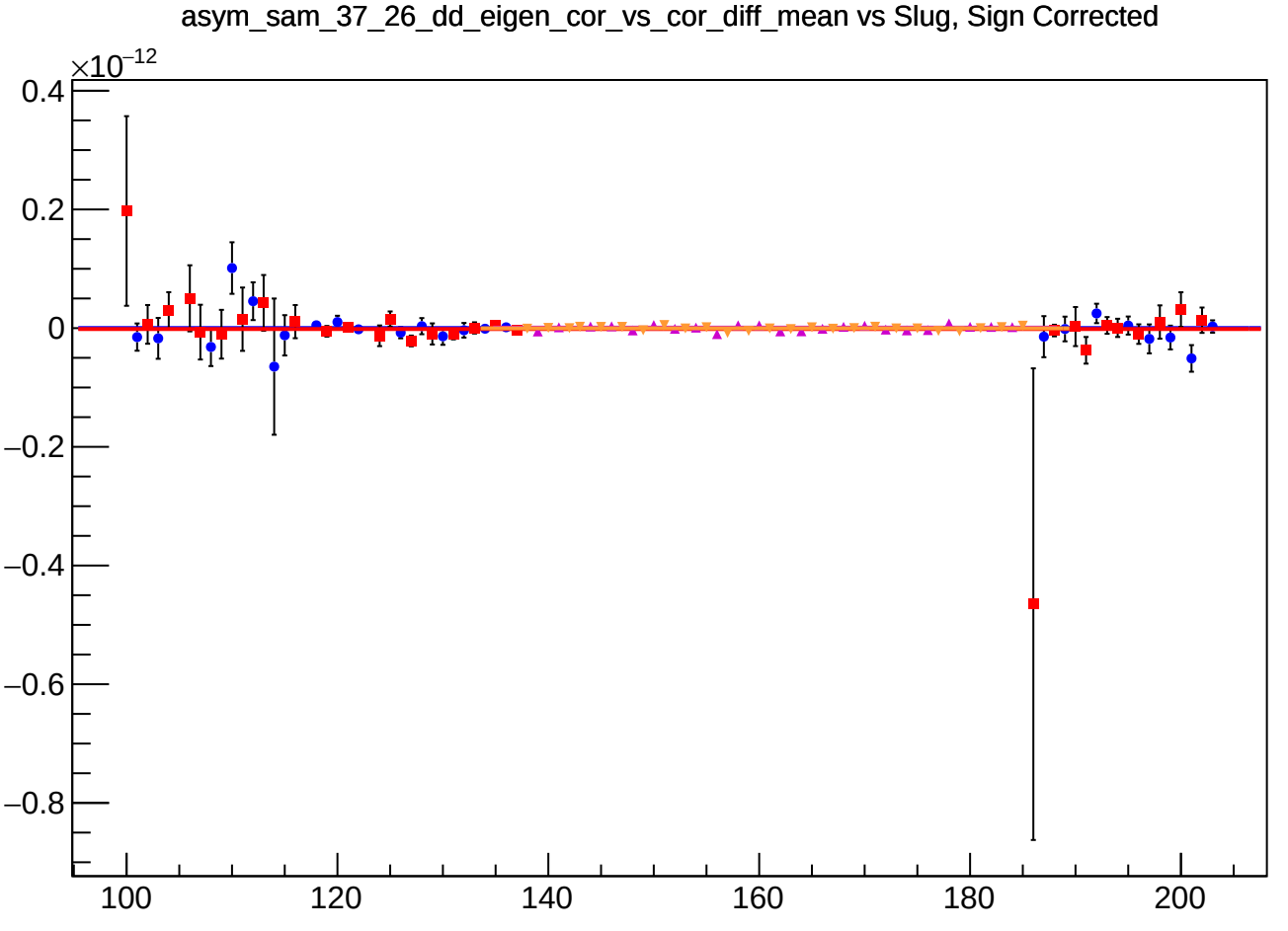
Left: 15.161+/-0.002 χ^2/NDF: 6844846.5/47

Right: 27.617+/-0.004 χ^2/NDF: 9509327.4/52

In: 17.131+/-0.002 χ^2/NDF:10749607.7/46

Out: 17.313+/-0.002 χ^2/NDF:12859566.8/53

All: 17.224+/-0.002 χ^2/NDF: 23611968.0/100



Right In: 0.000+/-0.000 χ^2/NDF: 21.9/23

Left Out: -0.000+/-0.000 χ^2/NDF:21.4/24

Right Out: -0.000+/-0.000 χ^2/NDF: 22.0/28

Left In: 0.000+/-0.000 χ^2/NDF:39.5/22

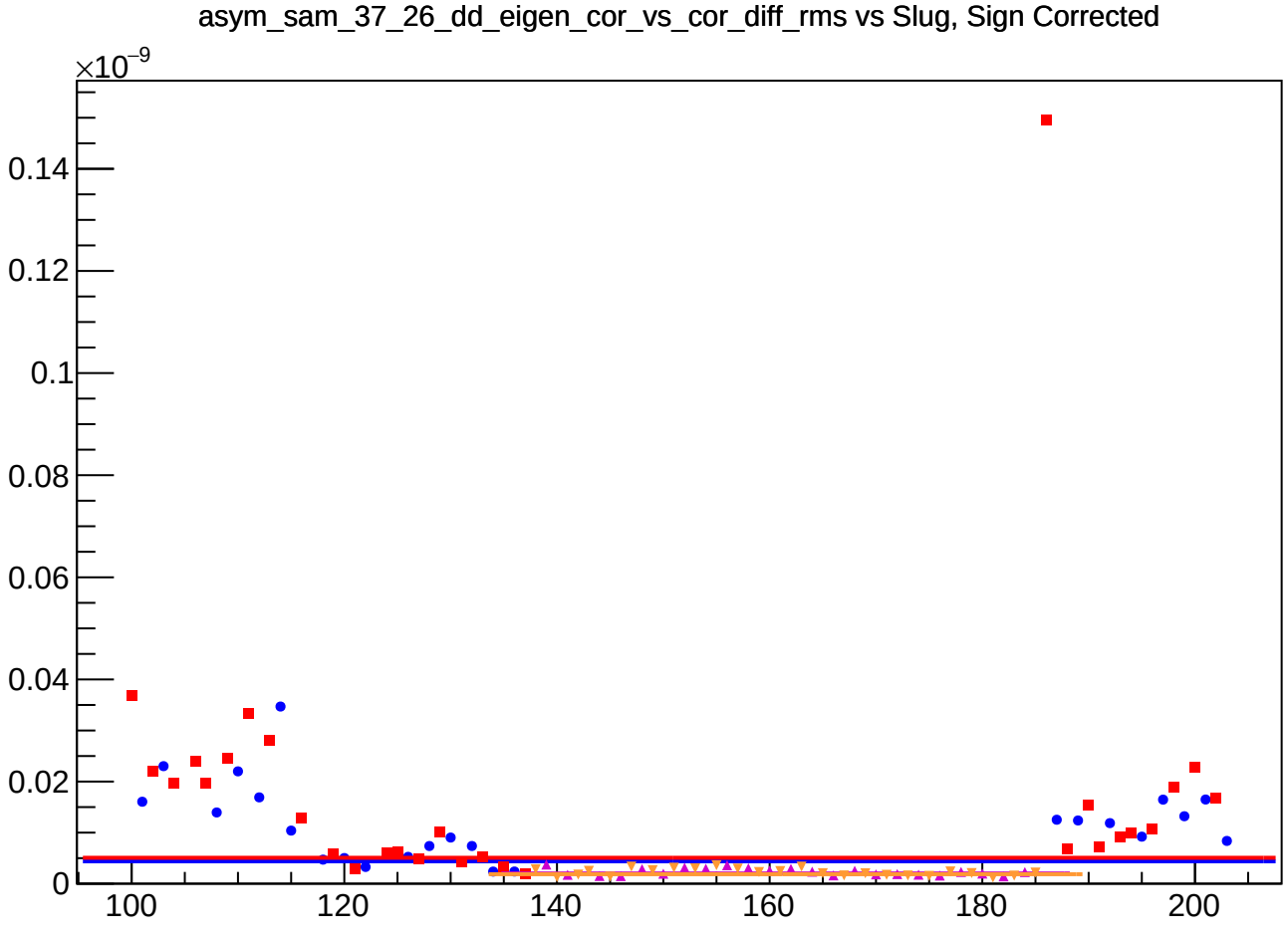
Left: 0.000+/-0.000 χ^2/NDF: 62.7/47

Right: -0.000+/-0.000 χ^2/NDF: 44.2/52

In: 0.000+/-0.000 χ^2/NDF:61.5/46

Out: -0.000+/-0.000 χ^2/NDF:43.7/53

All: 0.000+/-0.000 χ^2/NDF: 107.3/100



Right In: 0.000+/-0.000 χ^2/NDF: 6636816.1/23

Left Out: 0.000+/-0.000 χ^2/NDF:2645485.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 7716433.3/28

Left In: 0.000+/-0.000 χ^2/NDF:1948585.8/22

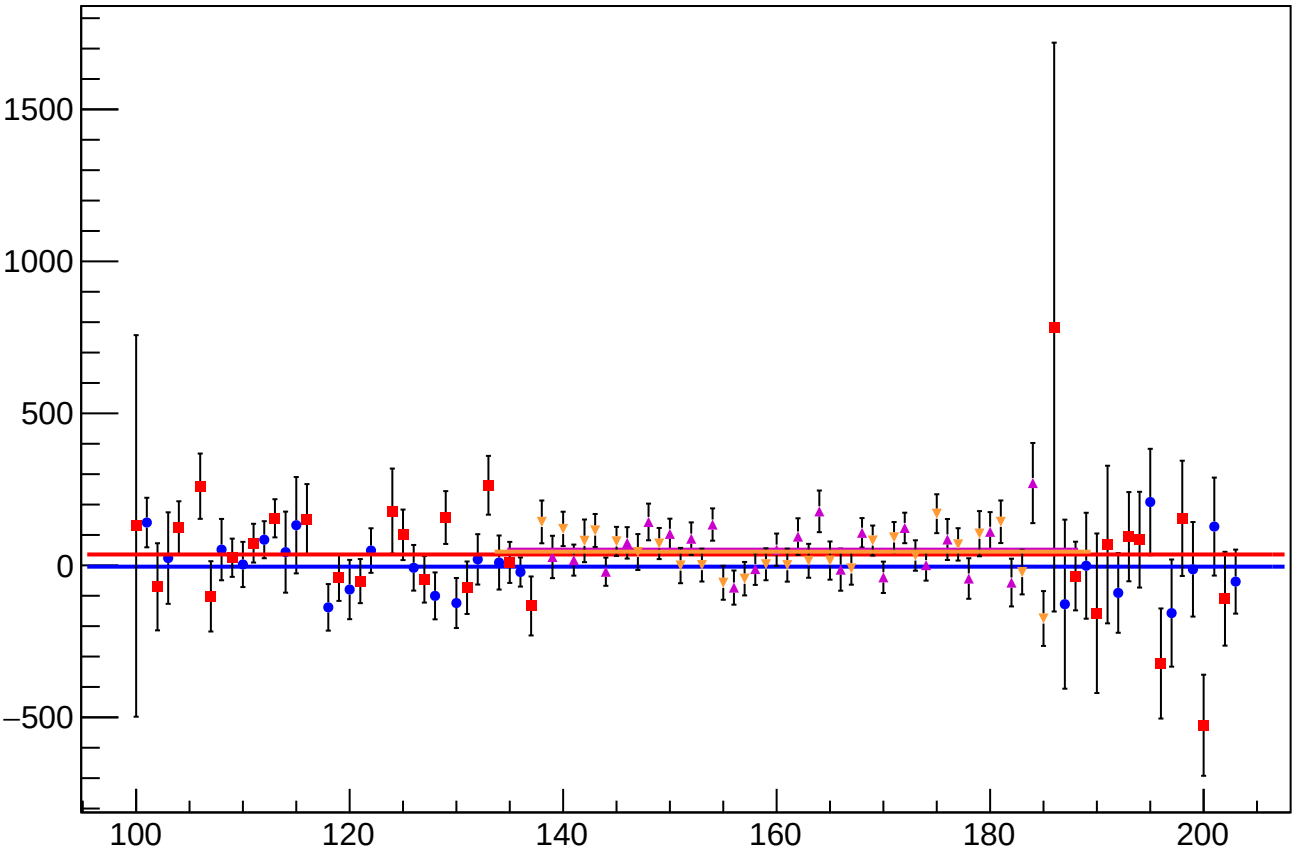
Left: 0.000+/-0.000 χ^2/NDF: 4661169.2/47

Right: 0.000+/-0.000 χ^2/NDF: 14465228.5/52

In: 0.000+/-0.000 χ^2/NDF:11323998.2/46

Out: 0.000+/-0.000 χ^2/NDF:14474907.0/53

All: 0.000+/-0.000 χ^2/NDF: 25882665.8/100



Right In: -4.299+/-18.764 χ^2/NDF: 18.3/23

Left Out: 45.093+/-11.495 χ^2/NDF:31.3/24

Right Out: 35.794+/-18.475 χ^2/NDF: 48.3/28

Left In: 51.616+/-11.929 χ^2/NDF:35.9/22

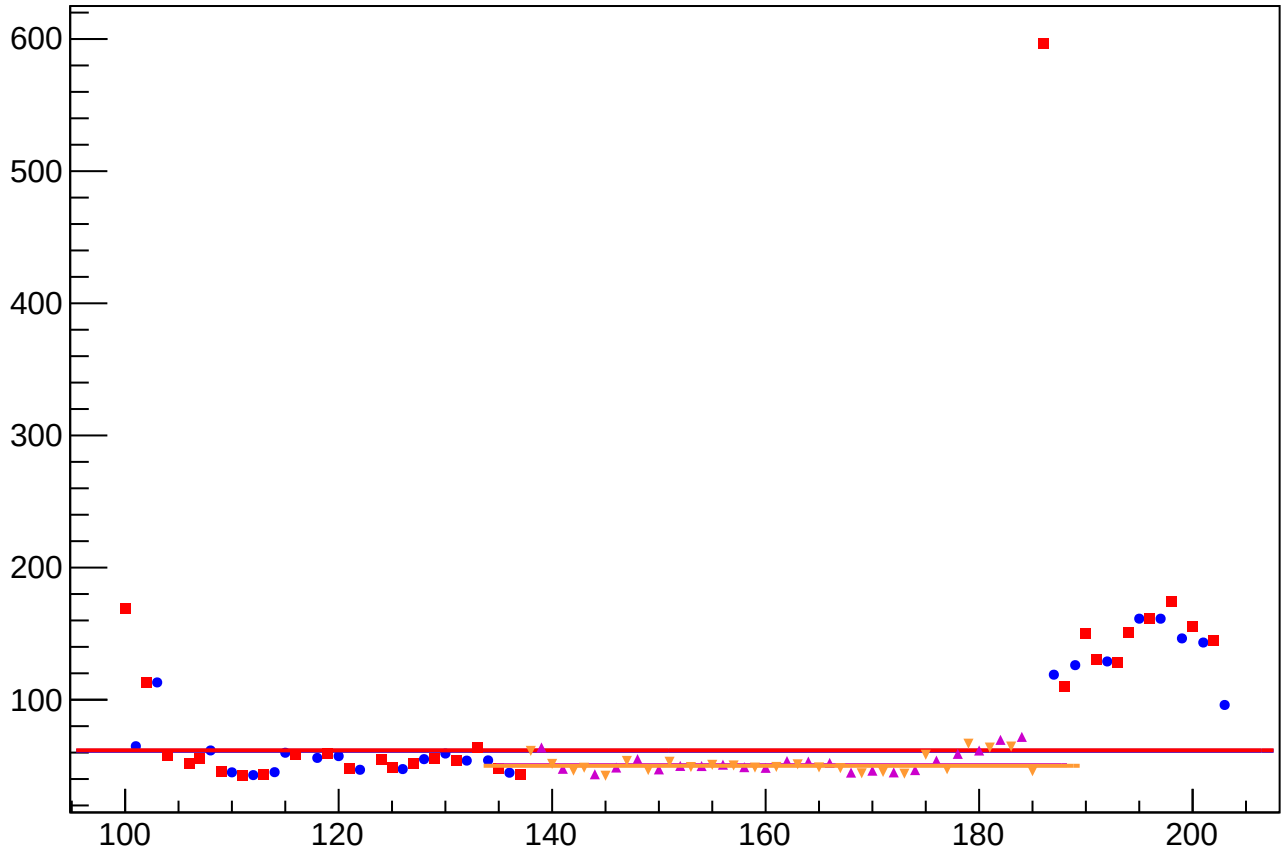
Left: 48.233+/-8.277 χ^2/NDF: 67.4/47

Right: 16.058+/-13.165 χ^2/NDF: 69.0/52

In: 35.522+/-10.067 χ^2/NDF:60.5/46

Out: 42.498+/-9.760 χ^2/NDF:79.9/53

All: 39.118+/-7.007 χ^2/NDF: 140.6/100



Right In: 61.361+/-0.013 χ^2/NDF: 4511798.3/23

Left Out: 50.021+/-0.008 χ^2/NDF:509100.0/24

Right Out: 61.721+/-0.013 χ^2/NDF: 6134484.7/28

Left In: 50.512+/-0.008 χ^2/NDF:503409.2/22

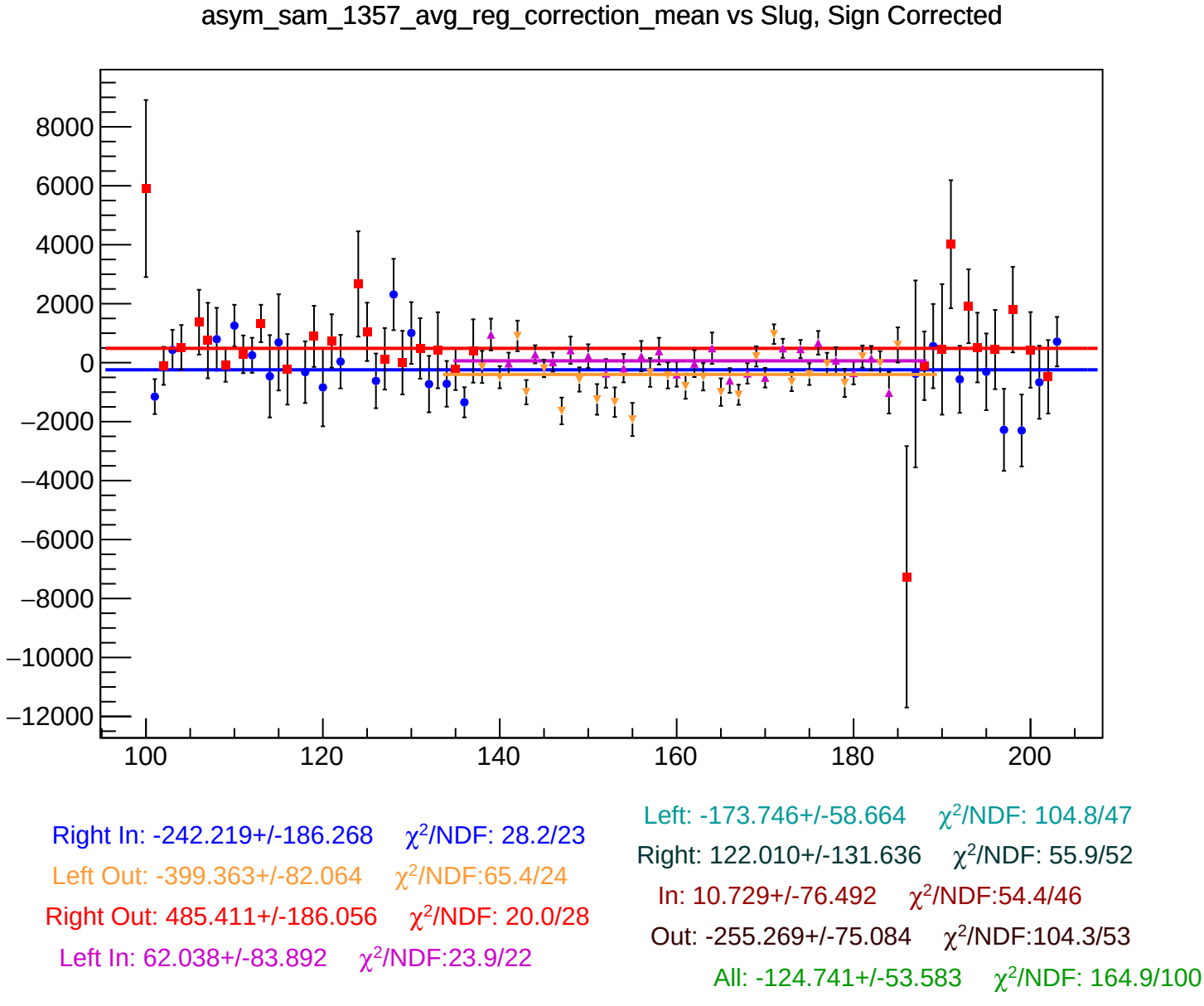
Left: 50.258+/-0.006 χ^2/NDF: 1014266.6/47

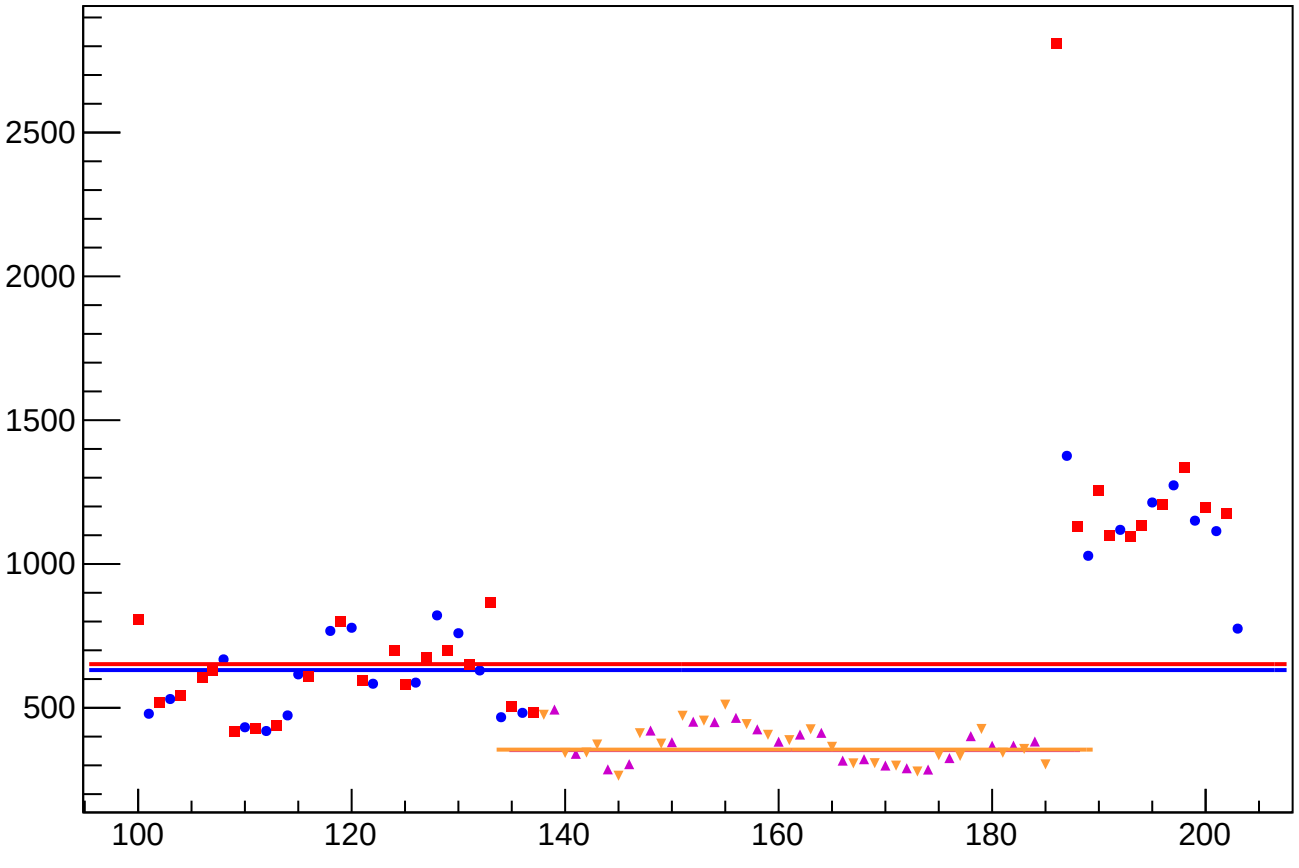
Right: 61.544+/-0.009 χ^2/NDF: 10646657.3/52

In: 53.635+/-0.007 χ^2/NDF:5491323.5/46

Out: 53.286+/-0.007 χ^2/NDF:7221812.9/53

All: 53.455+/-0.005 χ^2/NDF: 12714372.3/100


asym_sam_1357_avg_reg_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: -242.219+/-186.268 χ²/NDF: 28.2/23
Left Out: -399.363+/-82.064 χ²/NDF:65.4/24
Right Out: 485.411+/-186.056 χ²/NDF: 20.0/28
Left In: 62.038+/-83.892 χ²/NDF:23.9/22
Left: -173.746+/-58.664 χ²/NDF: 104.8/47
Right: 122.010+/-131.636 χ²/NDF: 55.9/52
In: 10.729+/-76.492 χ²/NDF:54.4/46
Out: -255.269+/-75.084 χ²/NDF:104.3/53
All: -124.741+/-53.583 χ²/NDF: 164.9/100



Right In: 631.253+/-0.132 χ^2/NDF: 3206373.5/23

Left Out: 354.670+/-0.058 χ^2/NDF:1145465.6/24

Right Out: 651.894+/-0.132 χ^2/NDF: 4340135.2/28

Left In: 353.110+/-0.059 χ^2/NDF:1004127.0/22

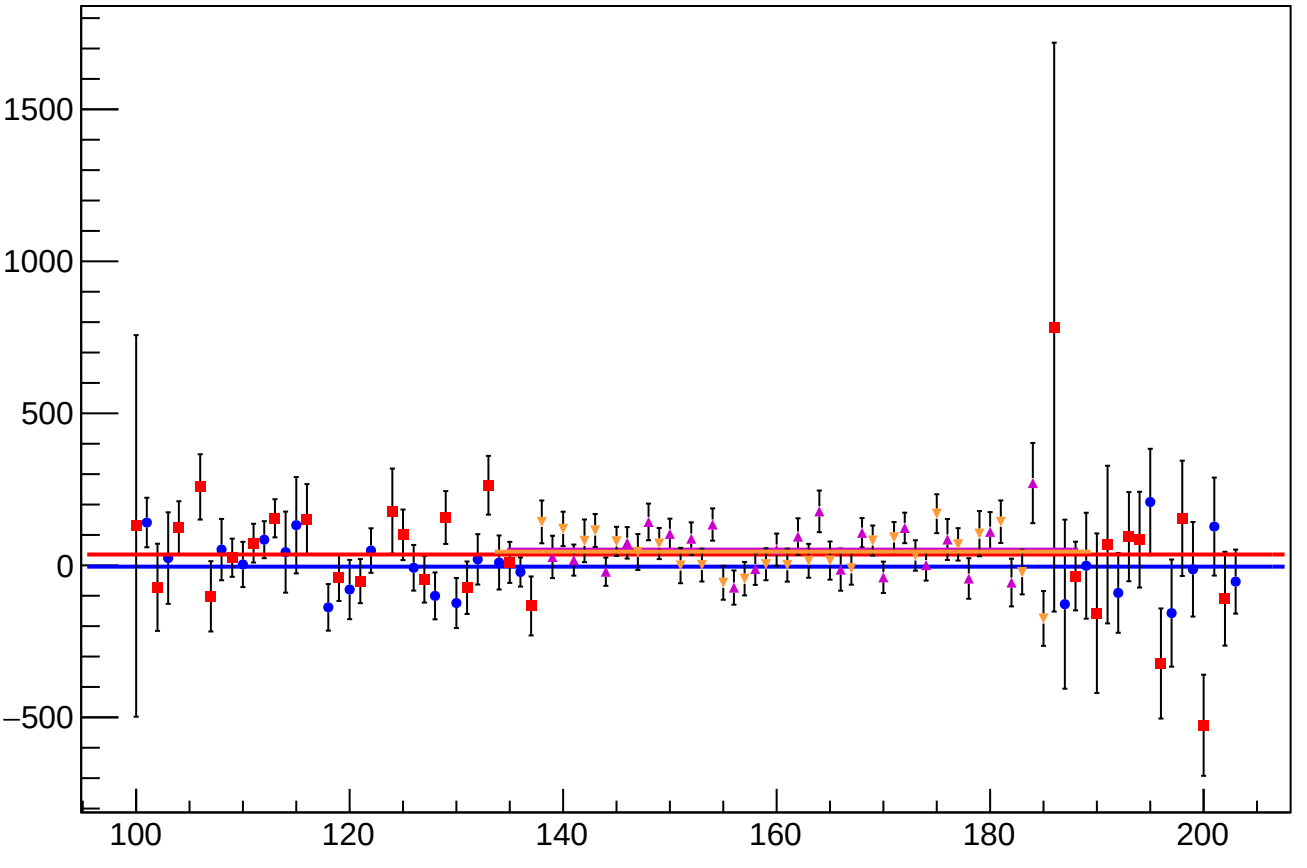
Left: 353.907+/-0.041 χ^2/NDF: 2149946.0/47

Right: 641.585+/-0.093 χ^2/NDF: 7558803.3/52

In: 400.016+/-0.054 χ^2/NDF:7917978.2/46

Out: 403.076+/-0.053 χ^2/NDF:9758388.8/53

All: 401.574+/-0.038 χ^2/NDF: 17677997.2/10



Right In: -4.302+/-18.764 χ^2/NDF: 18.3/23

Left Out: 45.096+/-11.495 χ^2/NDF:31.3/24

Right Out: 35.690+/-18.476 χ^2/NDF: 48.2/28

Left In: 51.616+/-11.929 χ^2/NDF:35.8/22

Left: 48.235+/-8.277 χ^2/NDF: 67.3/47

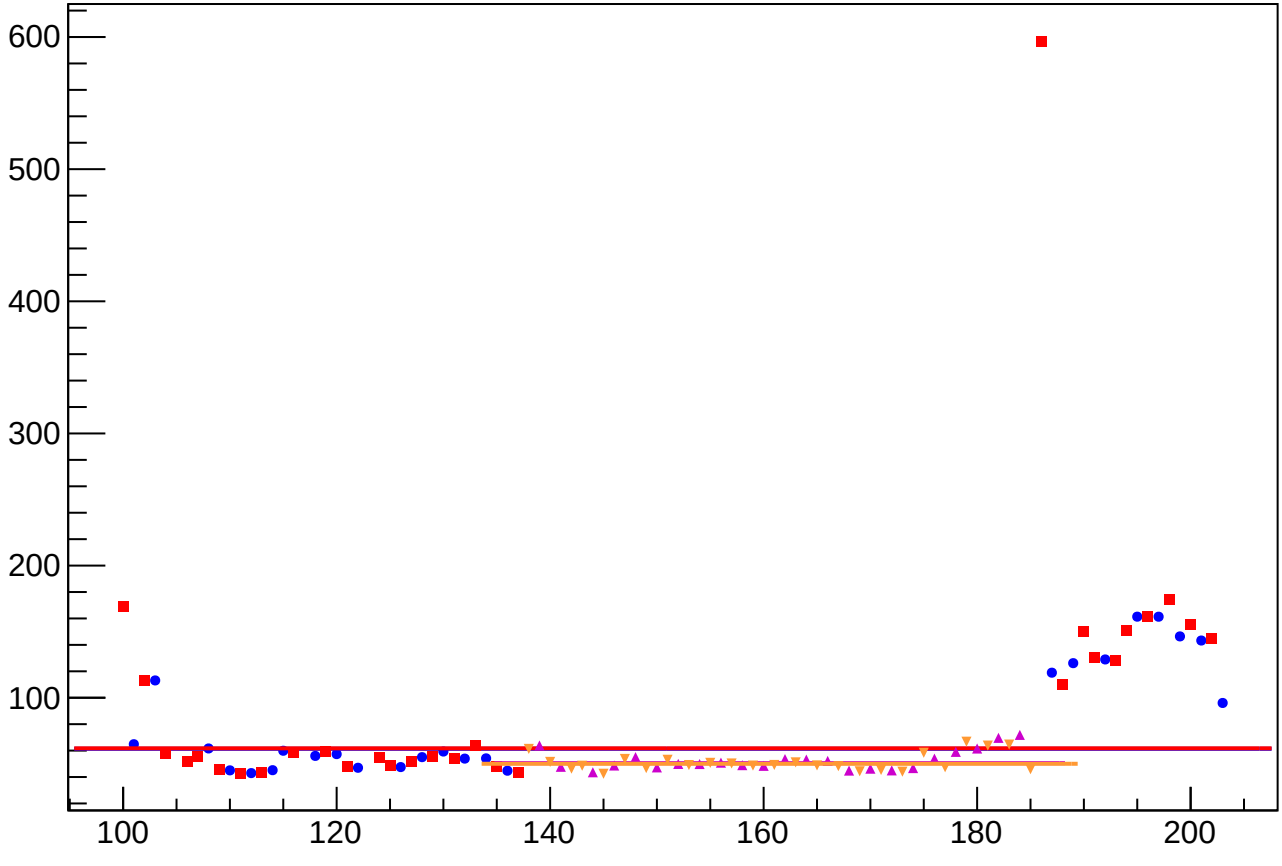
Right: 16.003+/-13.165 χ^2/NDF: 68.9/52

In: 35.521+/-10.067 χ^2/NDF:60.5/46

Out: 42.471+/-9.760 χ^2/NDF:79.8/53

All: 39.104+/-7.007 χ^2/NDF: 140.5/100

cor_asym_sam_1357_avg_rms vs Slug, Sign Corrected



Right In: 61.361+/-0.013 χ^2/NDF: 4511800.7/23

Left Out: 50.021+/-0.008 χ^2/NDF:509100.0/24

Right Out: 61.712+/-0.013 χ^2/NDF: 6135765.5/28

Left In: 50.512+/-0.008 χ^2/NDF:503409.2/22

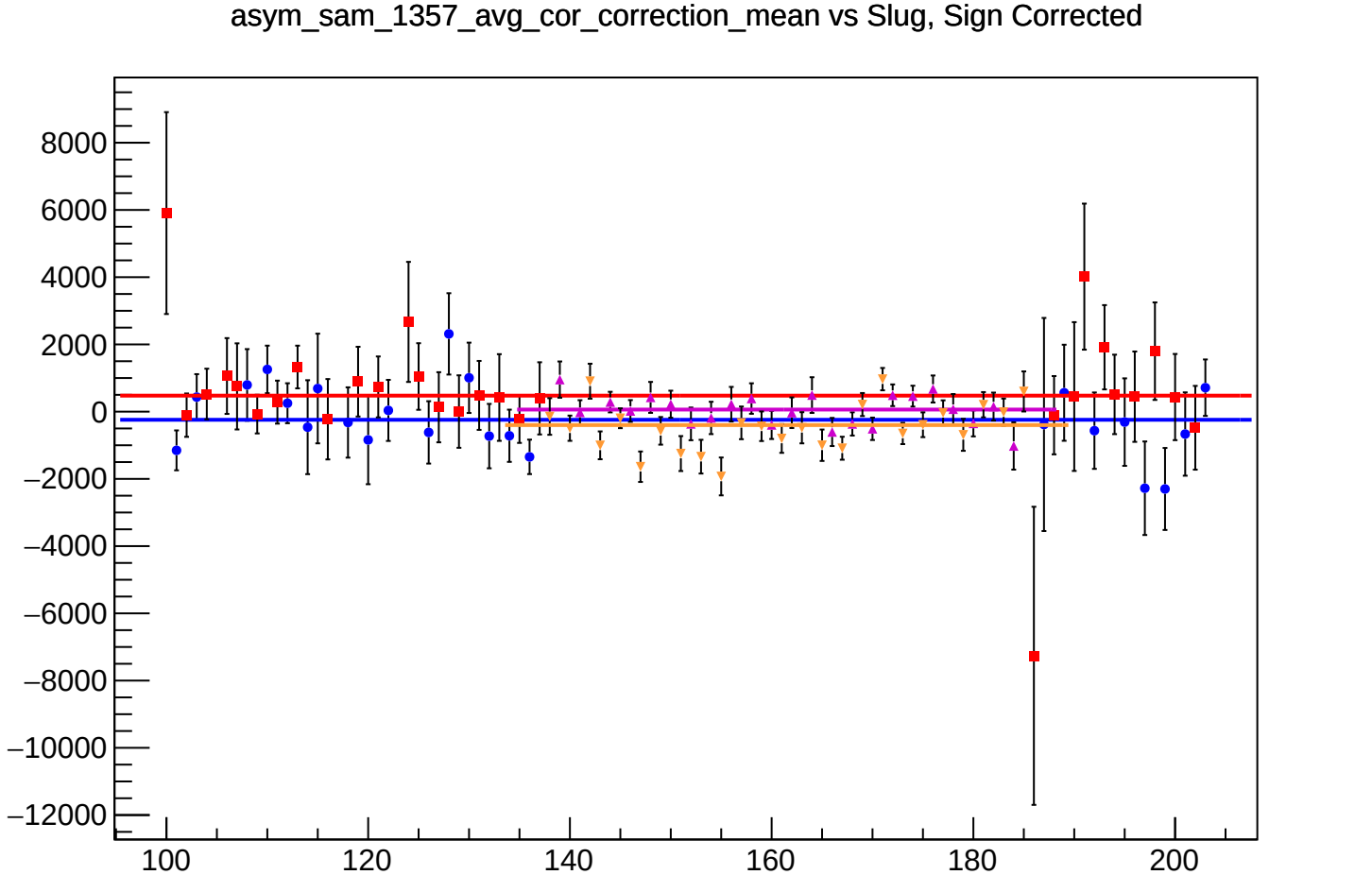
Left: 50.258+/-0.006 χ^2/NDF: 1014266.6/47

Right: 61.539+/-0.009 χ^2/NDF: 10647922.7/52

In: 53.635+/-0.007 χ^2/NDF:5491325.8/46

Out: 53.284+/-0.007 χ^2/NDF:7222218.1/53

All: 53.454+/-0.005 χ^2/NDF: 12714797.9/100



Right In: -242.201+/-186.270 χ^2/NDF: 28.2/23

Left Out: -399.358+/-82.064 χ^2/NDF:65.4/24

Right Out: 476.003+/-186.202 χ^2/NDF: 19.6/28

Left In: 62.038+/-83.892 χ^2/NDF:23.9/22

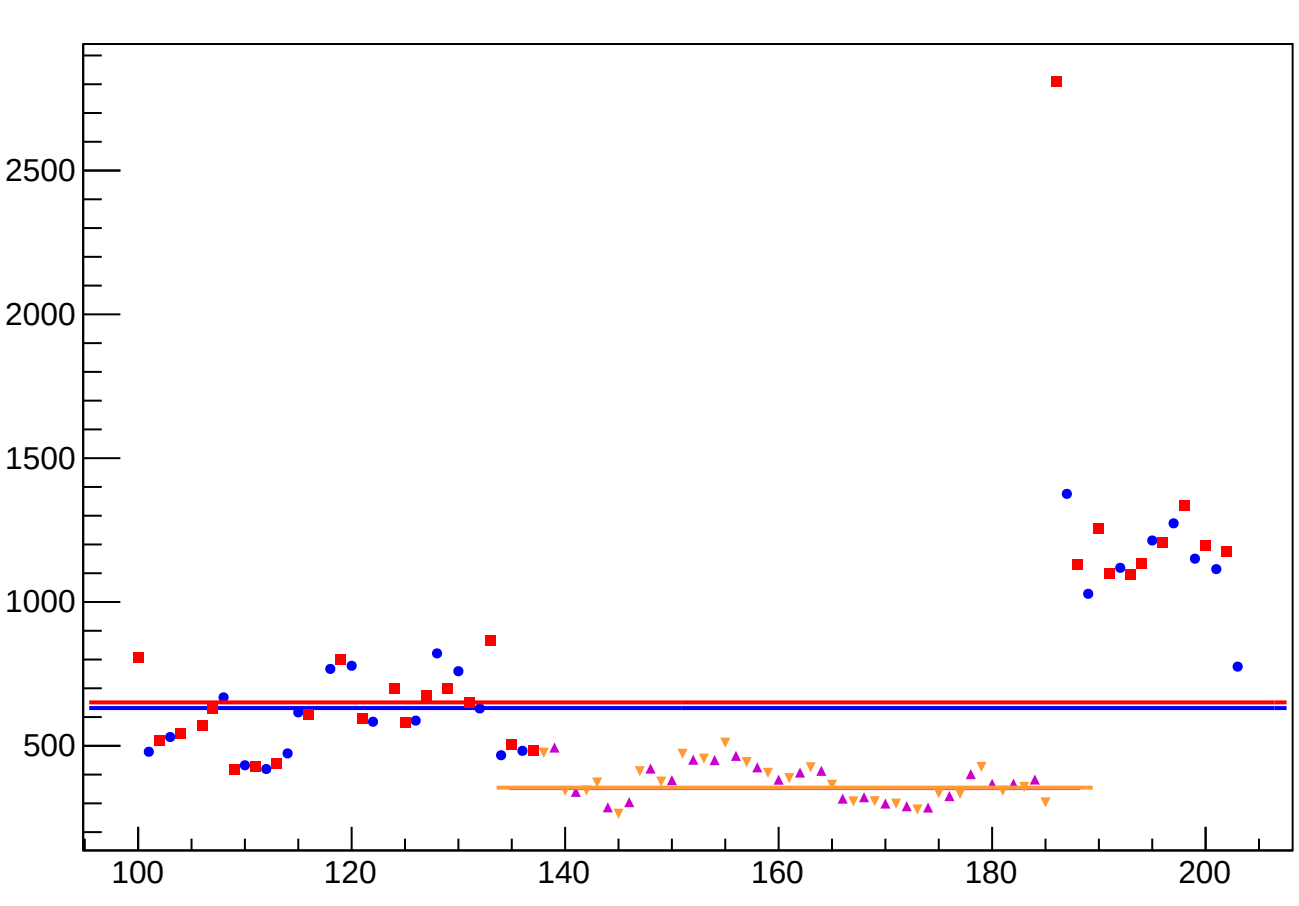
Left: -173.744+/-58.664 χ^2/NDF: 104.8/47

Right: 117.030+/-131.689 χ^2/NDF: 55.3/52

In: 10.732+/-76.492 χ^2/NDF:54.4/46

Out: -256.985+/-75.094 χ^2/NDF:103.5/53

All: -125.596+/-53.587 χ^2/NDF: 164.1/100



Right In: 631.259+/-0.132 χ^2/NDF: 3206316.8/23

Left Out: 354.670+/-0.058 χ^2/NDF:1145468.3/24

Right Out: 651.053+/-0.132 χ^2/NDF: 4346224.0/28

Left In: 353.110+/-0.059 χ^2/NDF:1004126.9/22

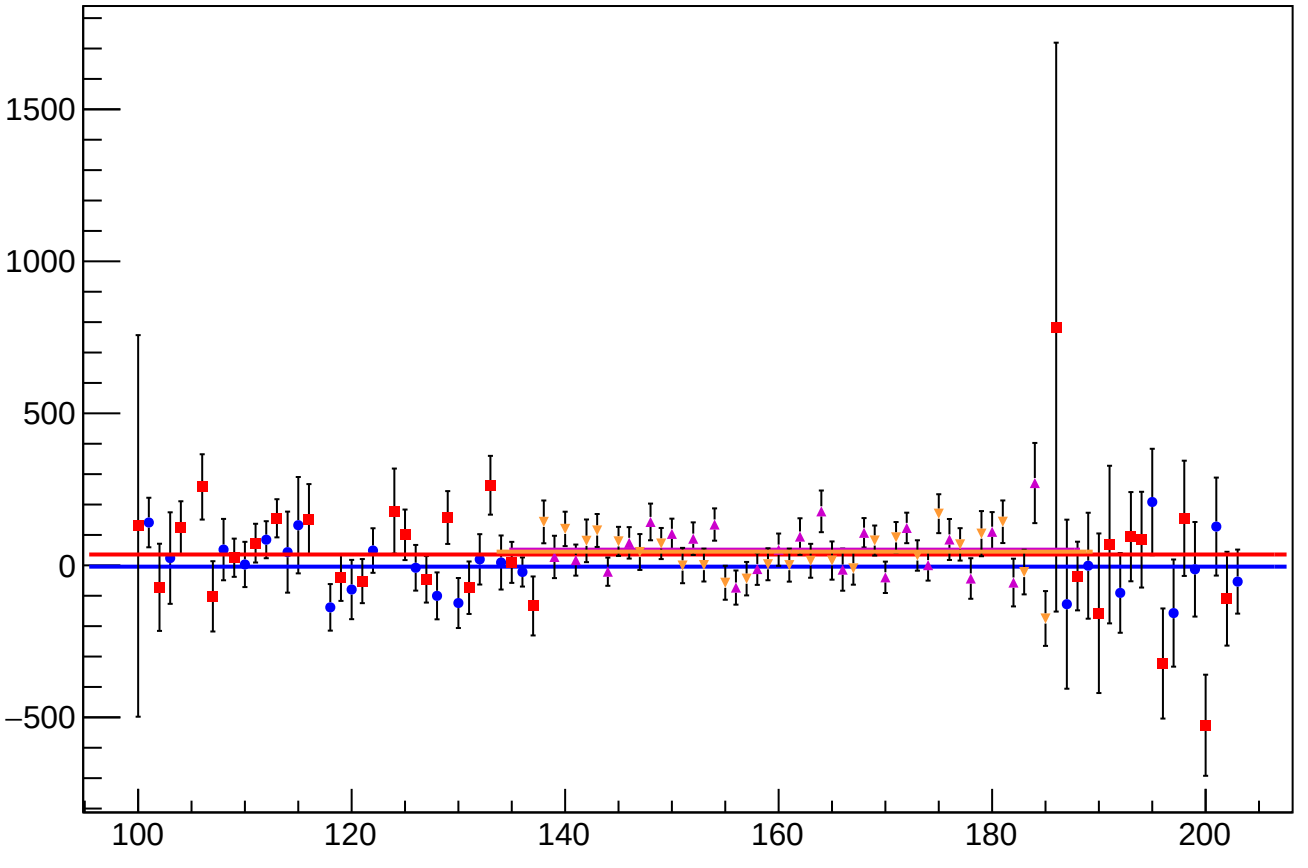
Left: 353.907+/-0.041 χ^2/NDF: 2149948.5/47

Right: 641.160+/-0.093 χ^2/NDF: 7563838.2/52

In: 400.016+/-0.054 χ^2/NDF:7918027.8/46

Out: 402.875+/-0.053 χ^2/NDF:9734739.2/53

All: 401.472+/-0.038 χ^2/NDF: 17654189.9/10



Right In: -4.302+/-18.764 χ^2/NDF: 18.3/23

Left Out: 45.096+/-11.495 χ^2/NDF:31.3/24

Right Out: 35.690+/-18.476 χ^2/NDF: 48.2/28

Left In: 51.616+/-11.929 χ^2/NDF:35.8/22

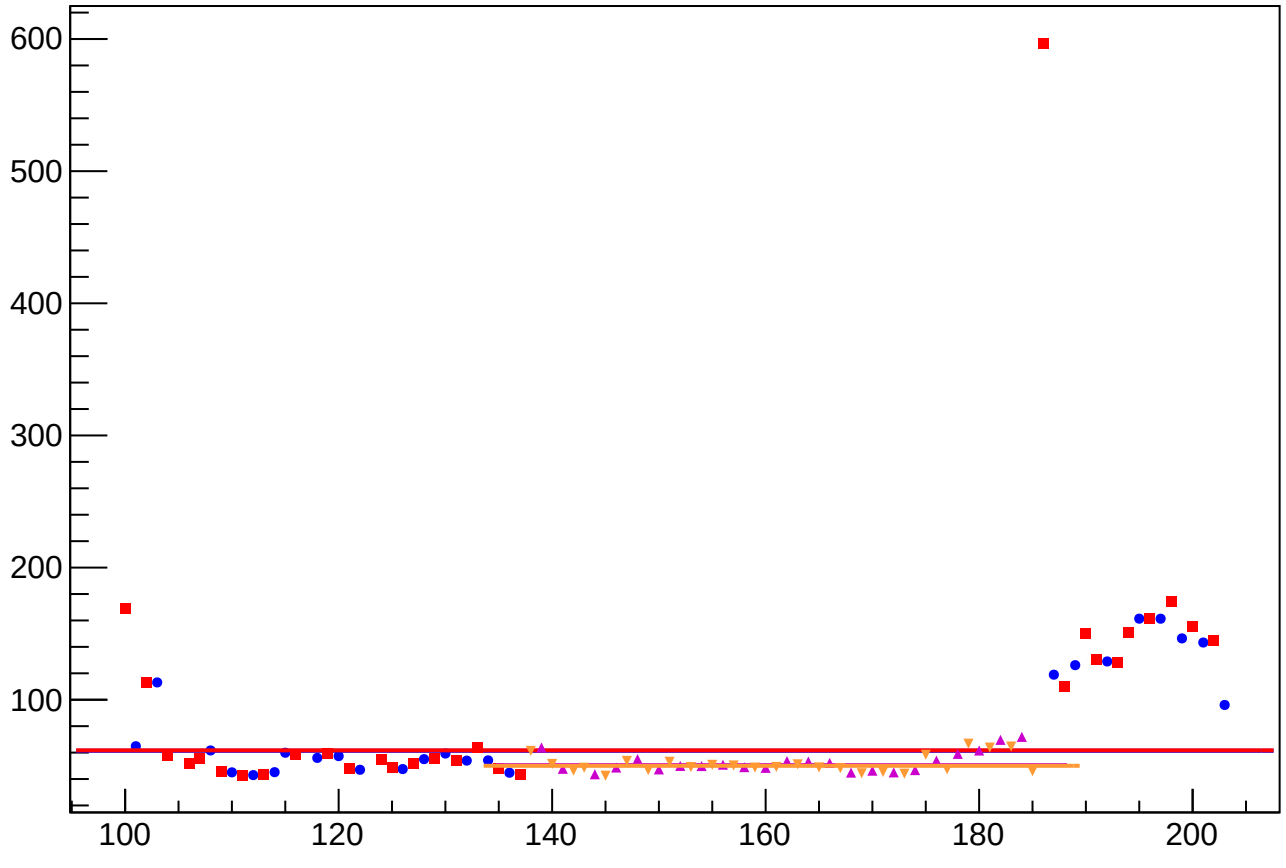
Left: 48.235+/-8.277 χ^2/NDF: 67.3/47

Right: 16.003+/-13.165 χ^2/NDF: 68.9/52

In: 35.521+/-10.067 χ^2/NDF:60.5/46

Out: 42.471+/-9.760 χ^2/NDF:79.8/53

All: 39.104+/-7.007 χ^2/NDF: 140.5/100



Right In: 61.361+/-0.013 χ^2/NDF: 4511800.7/23

Left Out: 50.021+/-0.008 χ^2/NDF:509100.0/24

Right Out: 61.712+/-0.013 χ^2/NDF: 6135765.5/28

Left In: 50.512+/-0.008 χ^2/NDF:503409.2/22

Left: 50.258+/-0.006 χ^2/NDF: 1014266.6/47

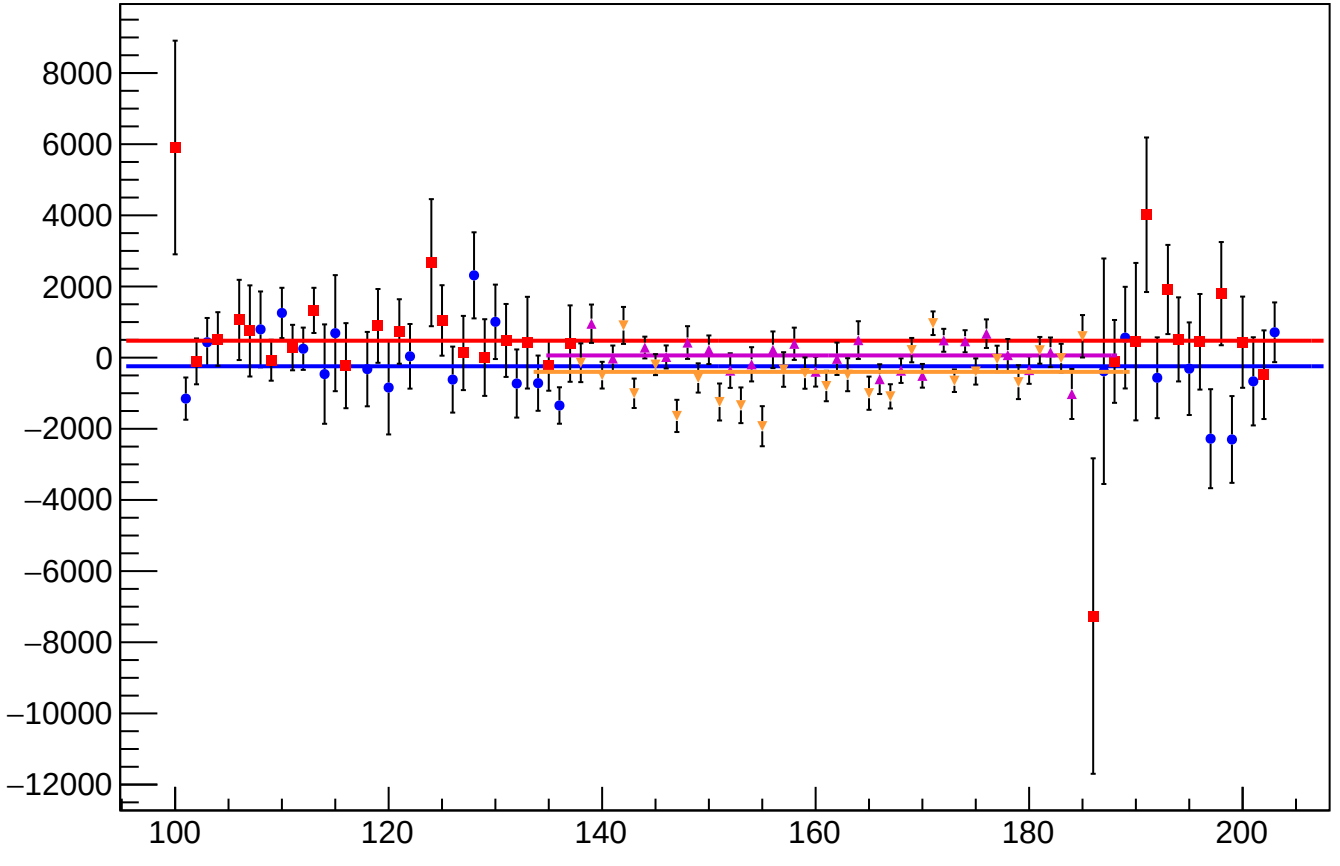
Right: 61.539+/-0.009 χ^2/NDF: 10647922.7/52

In: 53.635+/-0.007 χ^2/NDF:5491325.8/46

Out: 53.284+/-0.007 χ^2/NDF:7222218.1/53

All: 53.454+/-0.005 χ^2/NDF: 12714797.9/100

asym_sam_1357_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -242.201+/-186.270 χ^2/NDF: 28.2/23

Left Out: -399.358+/-82.064 χ^2/NDF:65.4/24

Right Out: 476.003+/-186.202 χ^2/NDF: 19.6/28

Left In: 62.038+/-83.892 χ^2/NDF:23.9/22

Left: -173.744+/-58.664 χ^2/NDF: 104.8/47

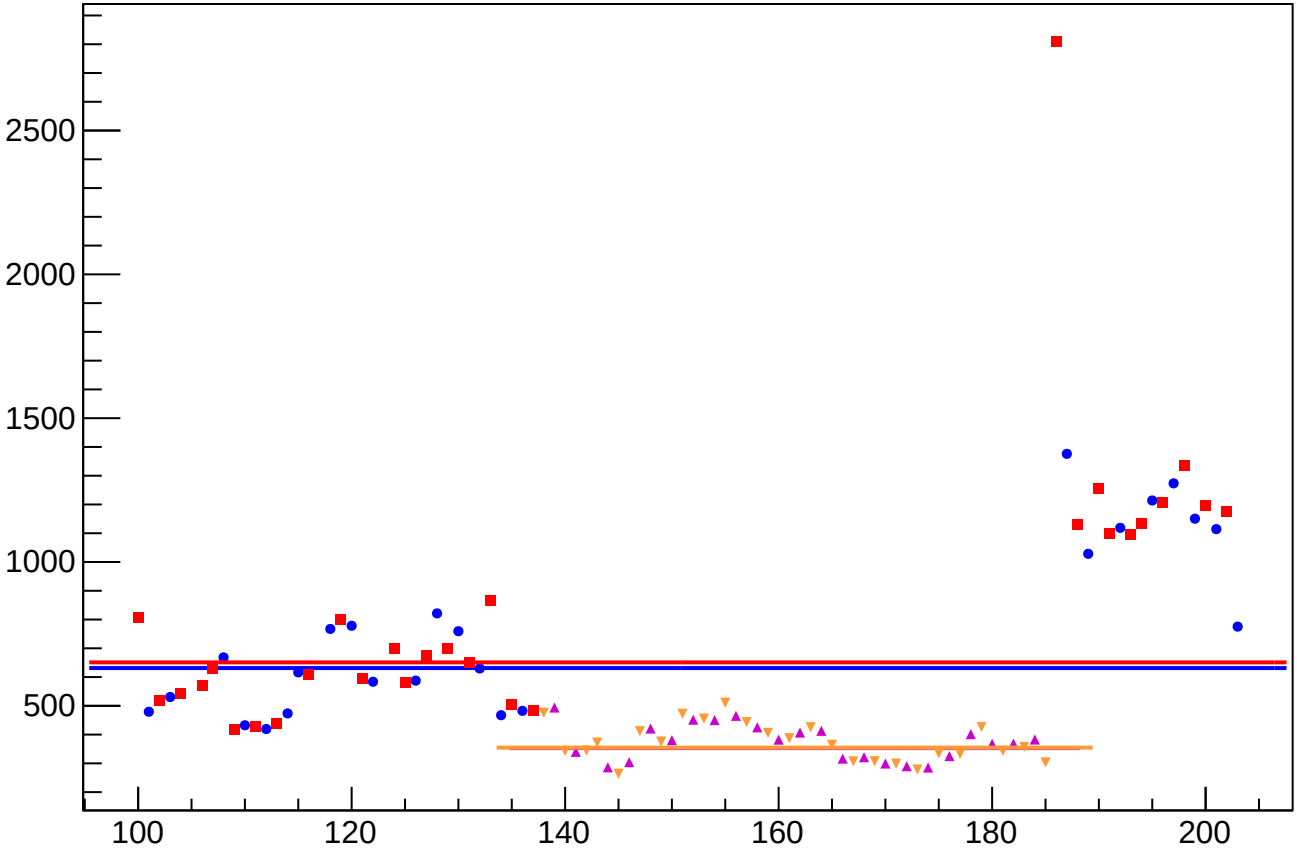
Right: 117.030+/-131.689 χ^2/NDF: 55.3/52

In: 10.732+/-76.492 χ^2/NDF:54.4/46

Out: -256.985+/-75.094 χ^2/NDF:103.5/53

All: -125.596+/-53.587 χ^2/NDF: 164.1/100

asym_sam_1357_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 631.259+/-0.132 χ^2/NDF: 3206316.8/23

Left Out: 354.670+/-0.058 χ^2/NDF:1145468.3/24

Right Out: 651.053+/-0.132 χ^2/NDF: 4346224.0/28

Left In: 353.110+/-0.059 χ^2/NDF:1004126.9/22

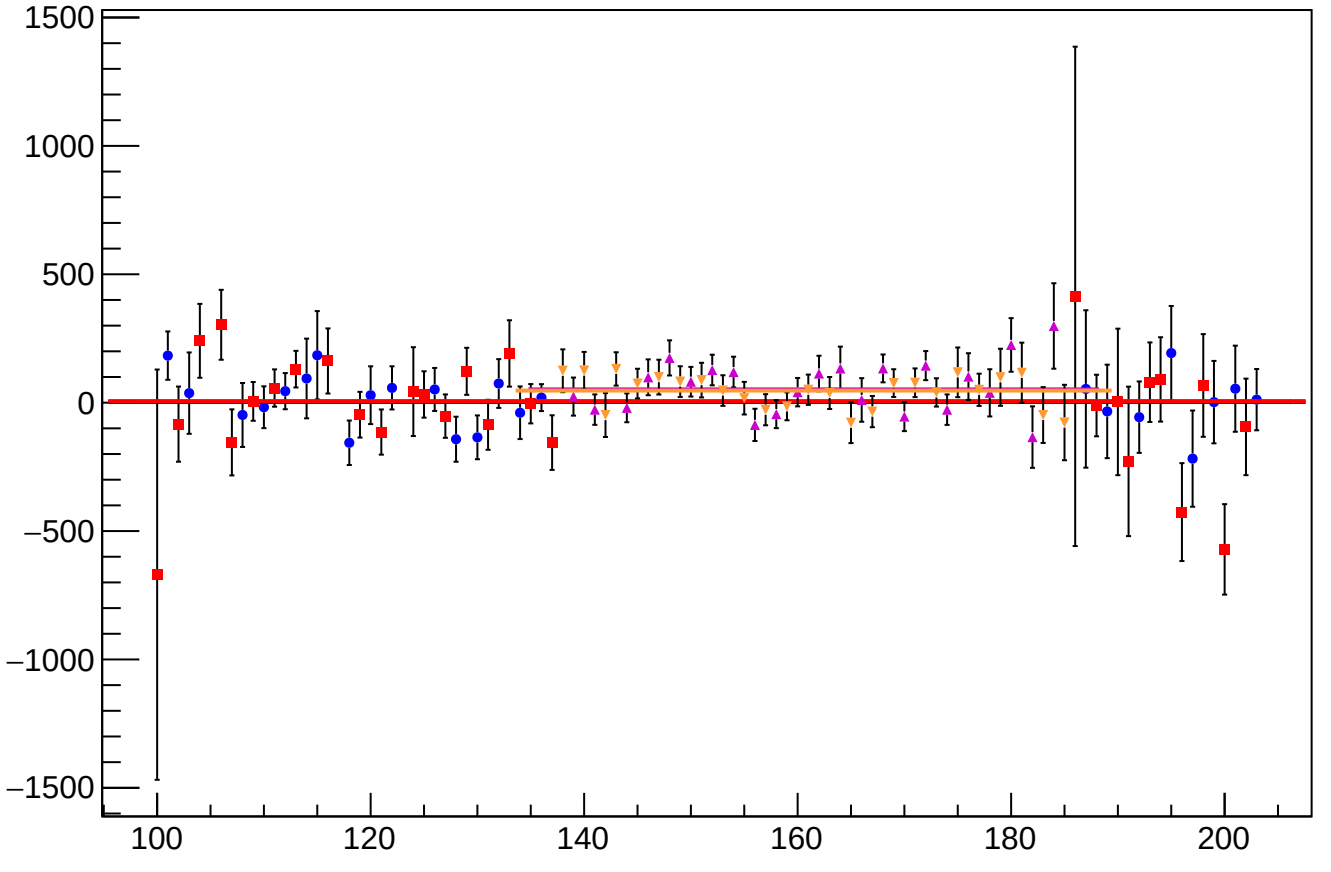
Left: 353.907+/-0.041 χ^2/NDF: 2149948.5/47

Right: 641.160+/-0.093 χ^2/NDF: 7563838.2/52

In: 400.016+/-0.054 χ^2/NDF:7918027.8/46

Out: 402.875+/-0.053 χ^2/NDF:9734739.2/53

All: 401.472+/-0.038 χ^2/NDF: 17654189.9/10



Right In: 2.692+/-20.969 χ^2/NDF: 19.0/23

Left Out: 47.151+/-13.511 χ^2/NDF:17.0/24

Right Out: 6.116+/-21.246 χ^2/NDF: 42.5/28

Left In: 51.652+/-13.934 χ^2/NDF:38.2/22

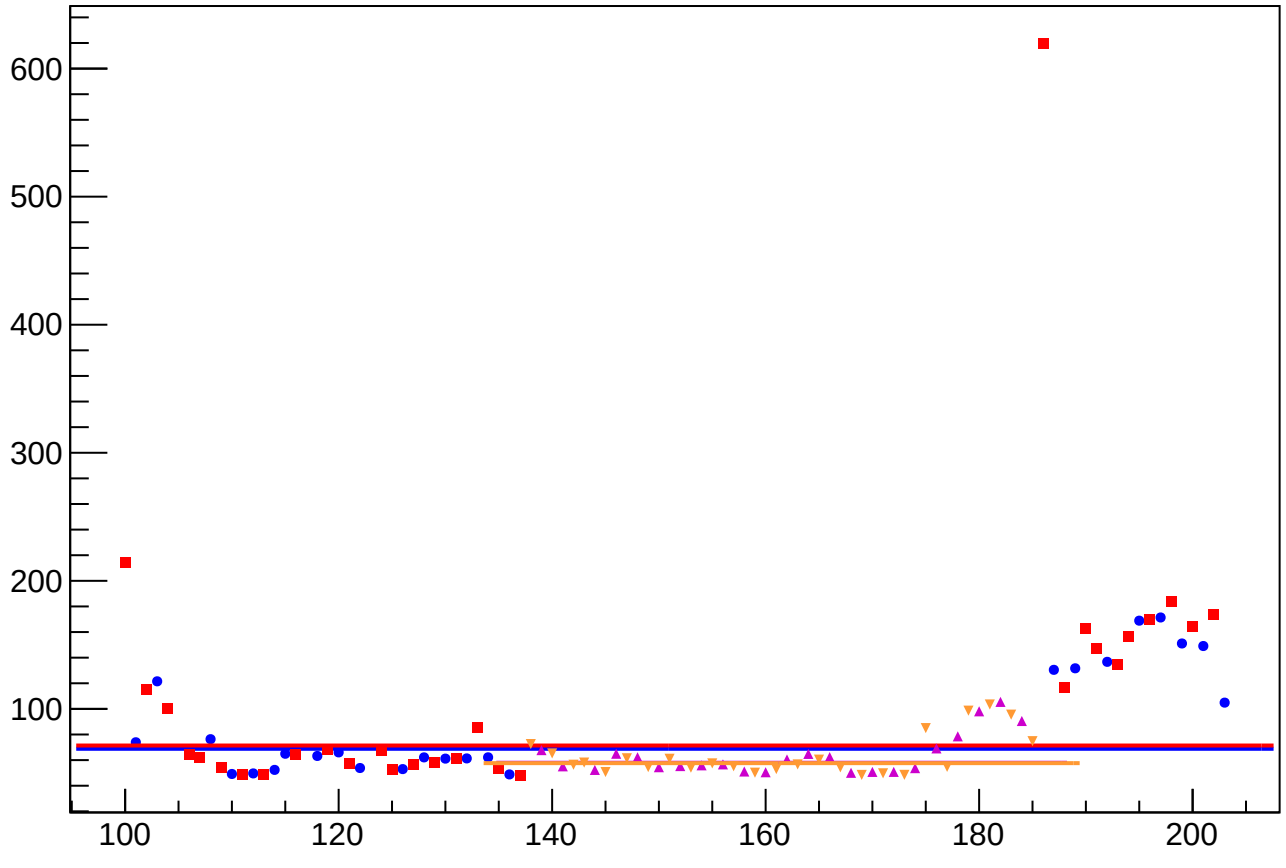
Left: 49.332+/-9.700 χ^2/NDF: 55.2/47

Right: 4.382+/-14.924 χ^2/NDF: 61.4/52

In: 36.656+/-11.605 χ^2/NDF:60.9/46

Out: 35.334+/-11.401 χ^2/NDF:62.1/53

All: 35.983+/-8.133 χ^2/NDF: 123.1/100



Right In: 68.843+/-0.015 χ^2/NDF: 4164951.9/23

Left Out: 57.631+/-0.010 χ^2/NDF:1365448.6/24

Right Out: 71.395+/-0.015 χ^2/NDF: 5784593.1/28

Left In: 57.940+/-0.010 χ^2/NDF:1124523.3/22

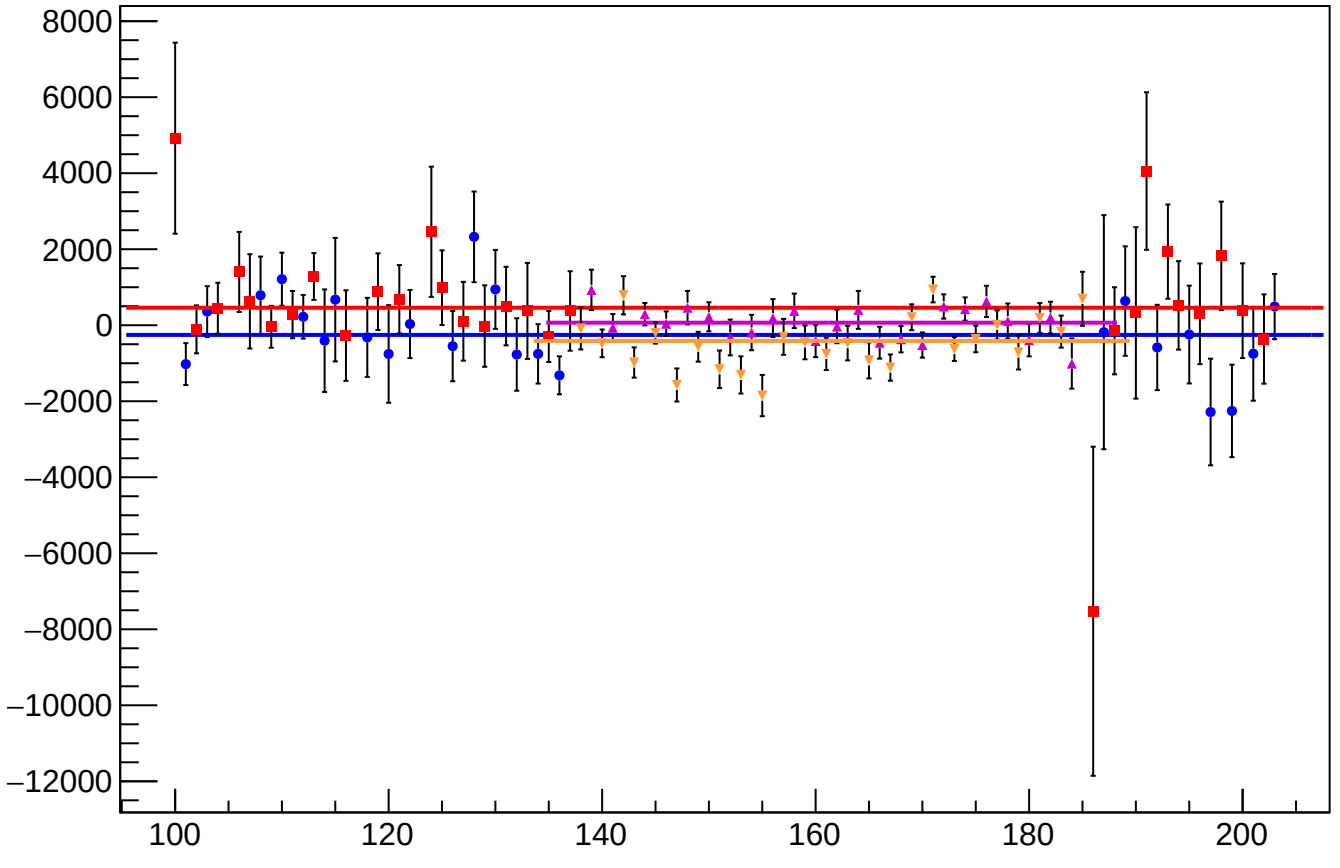
Left: 57.781+/-0.007 χ^2/NDF: 2490479.3/47

Right: 70.102+/-0.011 χ^2/NDF: 9964158.2/52

In: 61.279+/-0.008 χ^2/NDF:5664558.7/46

Out: 61.594+/-0.008 χ^2/NDF:7747713.0/53

All: 61.440+/-0.006 χ^2/NDF: 13413021.4/100



Right In: -254.858+/-182.468 χ^2/NDF: 27.1/23

Left Out: -413.053+/-81.134 χ^2/NDF:61.3/24

Right Out: 460.407+/-180.101 χ^2/NDF: 20.9/28

Left In: 66.637+/-83.082 χ^2/NDF:22.9/22

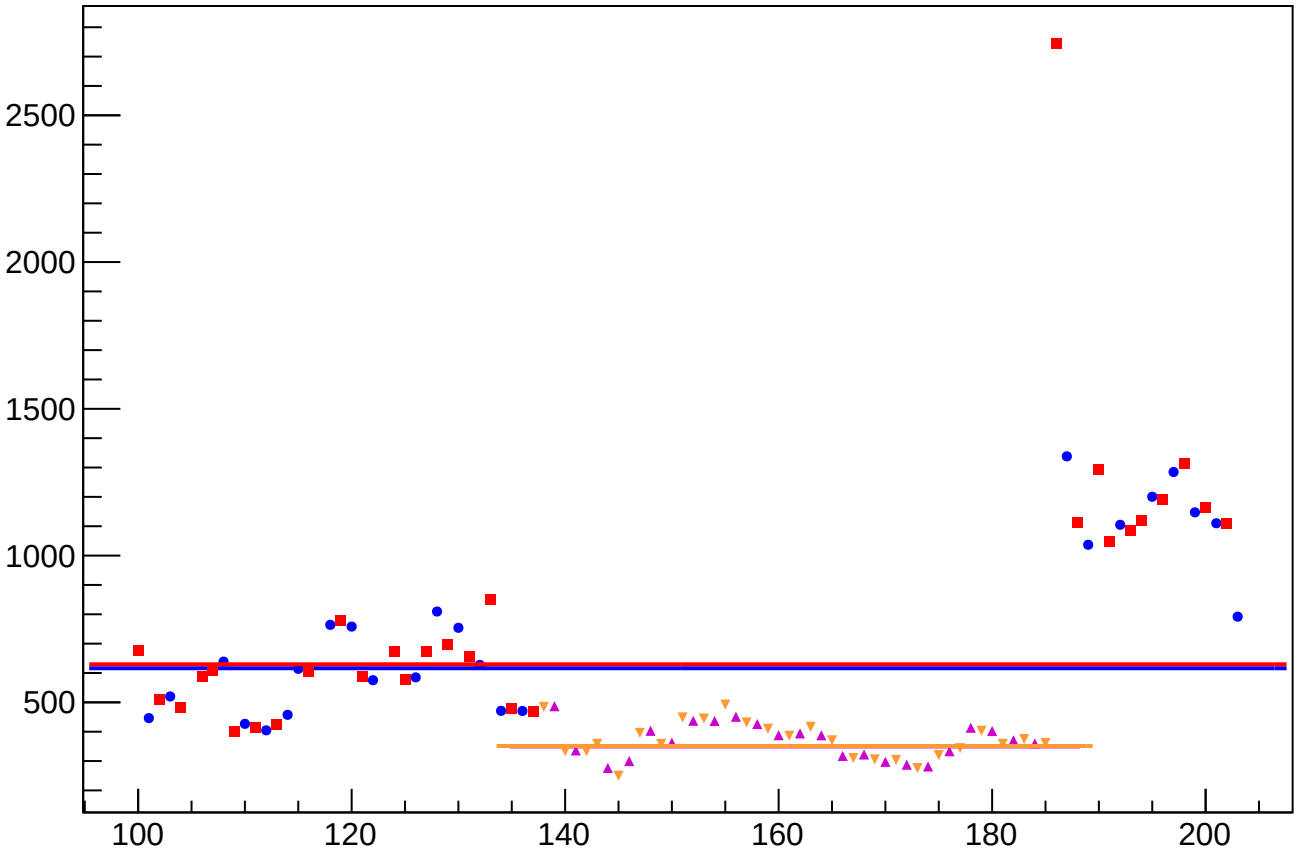
Left: -178.896+/-58.047 χ^2/NDF: 101.3/47

Right: 107.444+/-128.179 χ^2/NDF: 55.7/52

In: 11.431+/-75.613 χ^2/NDF:52.5/46

Out: -265.695+/-73.974 χ^2/NDF:101.8/53

All: -130.167+/-52.878 χ^2/NDF: 161.2/100



Right In: 616.151+/-0.129 χ^2/NDF: 3389793.2/23

Left Out: 351.264+/-0.057 χ^2/NDF:1118247.7/24

Right Out: 629.680+/-0.127 χ^2/NDF: 4491134.4/28

Left In: 349.813+/-0.059 χ^2/NDF:990366.6/22

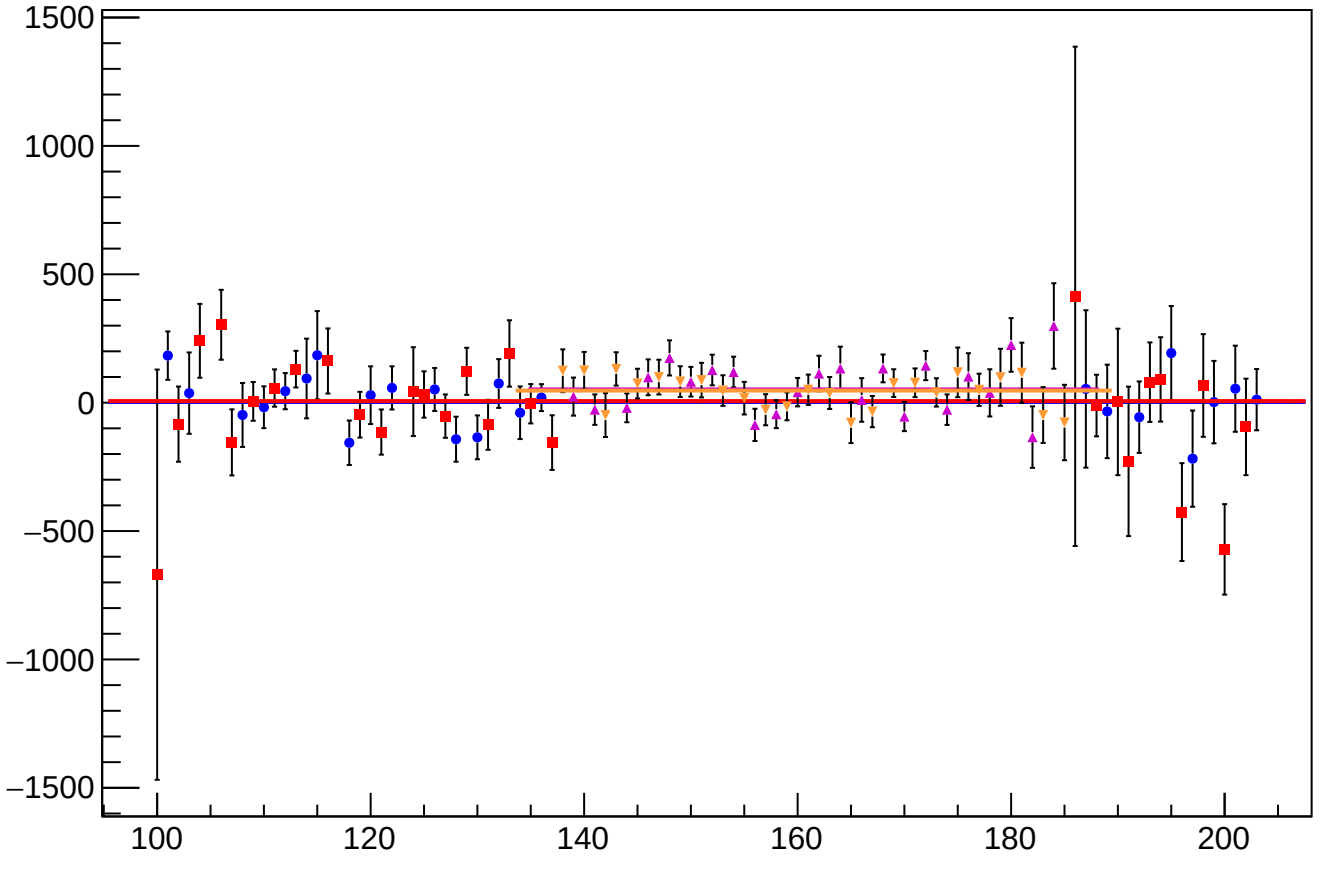
Left: 350.556+/-0.041 χ^2/NDF: 2108926.7/47

Right: 623.004+/-0.091 χ^2/NDF: 7886497.3/52

In: 395.548+/-0.053 χ^2/NDF:7909553.9/46

Out: 398.235+/-0.052 χ^2/NDF:9582601.1/53

All: 396.921+/-0.037 χ^2/NDF: 17493445.4/10



Right In: 2.692+/-20.970 χ^2/NDF: 19.0/23

Left Out: 47.151+/-13.511 χ^2/NDF:17.0/24

Right Out: 6.115+/-21.246 χ^2/NDF: 42.5/28

Left In: 51.651+/-13.934 χ^2/NDF:38.2/22

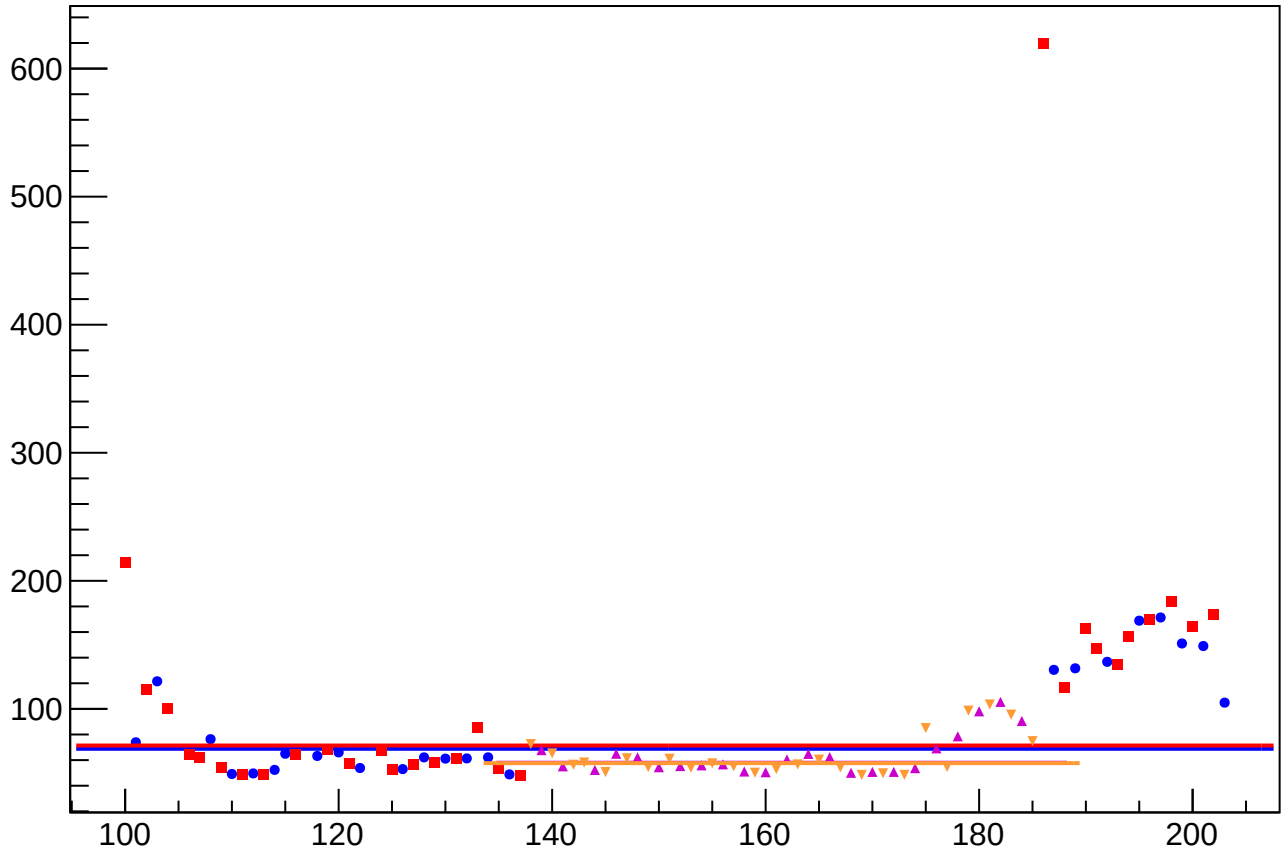
Left: 49.332+/-9.700 χ^2/NDF: 55.2/47

Right: 4.381+/-14.924 χ^2/NDF: 61.4/52

In: 36.656+/-11.605 χ^2/NDF:60.9/46

Out: 35.334+/-11.401 χ^2/NDF:62.1/53

All: 35.983+/-8.133 χ^2/NDF: 123.1/100



Right In: 68.843+/-0.015 χ^2/NDF: 4164936.0/23

Left Out: 57.631+/-0.010 χ^2/NDF:1365443.1/24

Right Out: 71.395+/-0.015 χ^2/NDF: 5784585.4/28

Left In: 57.940+/-0.010 χ^2/NDF:1124509.8/22

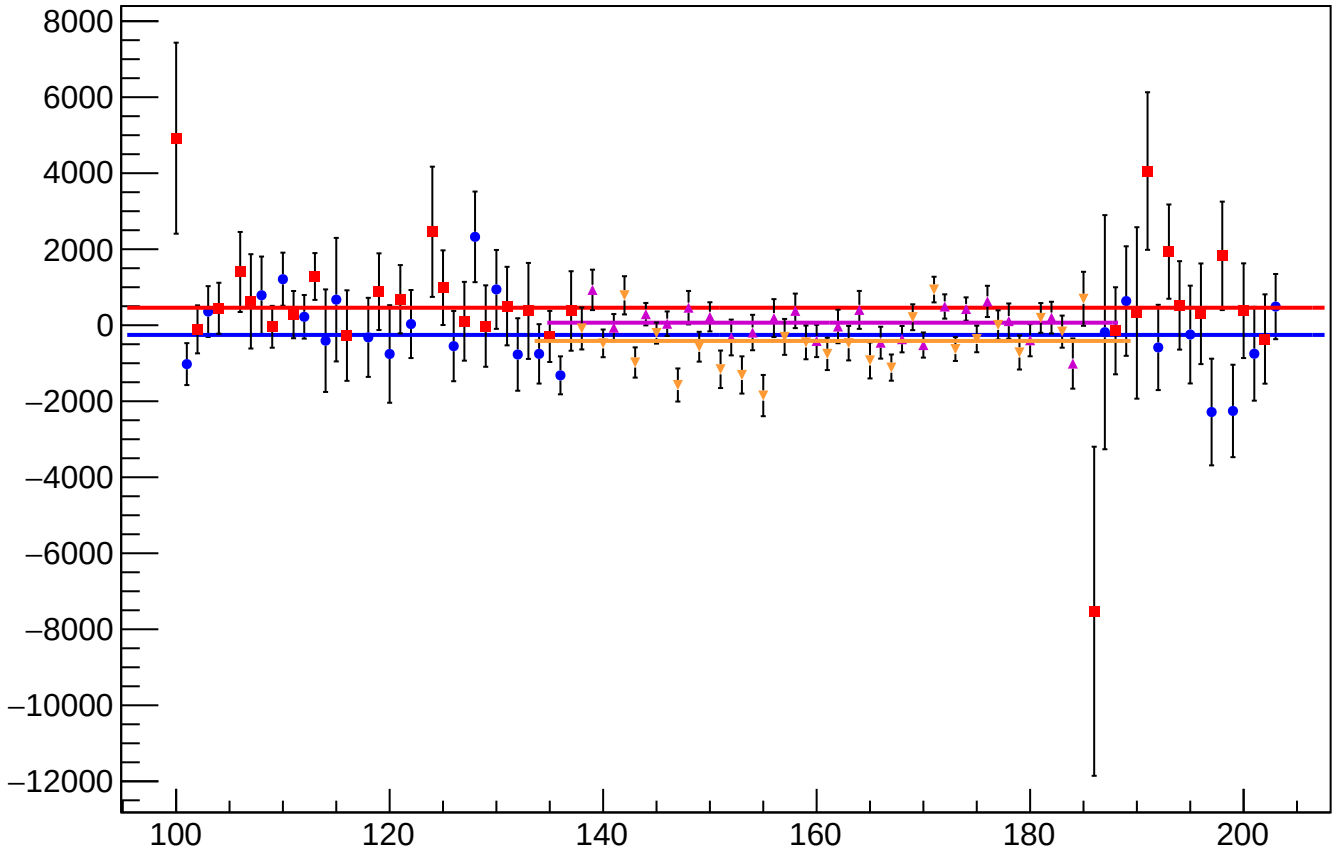
Left: 57.781+/-0.007 χ^2/NDF: 2490460.5/47

Right: 70.102+/-0.011 χ^2/NDF: 9964135.0/52

In: 61.280+/-0.008 χ^2/NDF:5664527.8/46

Out: 61.595+/-0.008 χ^2/NDF:7747702.9/53

All: 61.440+/-0.006 χ^2/NDF: 13412980.4/100



Right In: -254.858+/-182.468 χ^2/NDF: 27.1/23

Left Out: -413.053+/-81.134 χ^2/NDF:61.3/24

Right Out: 460.406+/-180.100 χ^2/NDF: 20.9/28

Left In: 66.637+/-83.082 χ^2/NDF:22.9/22

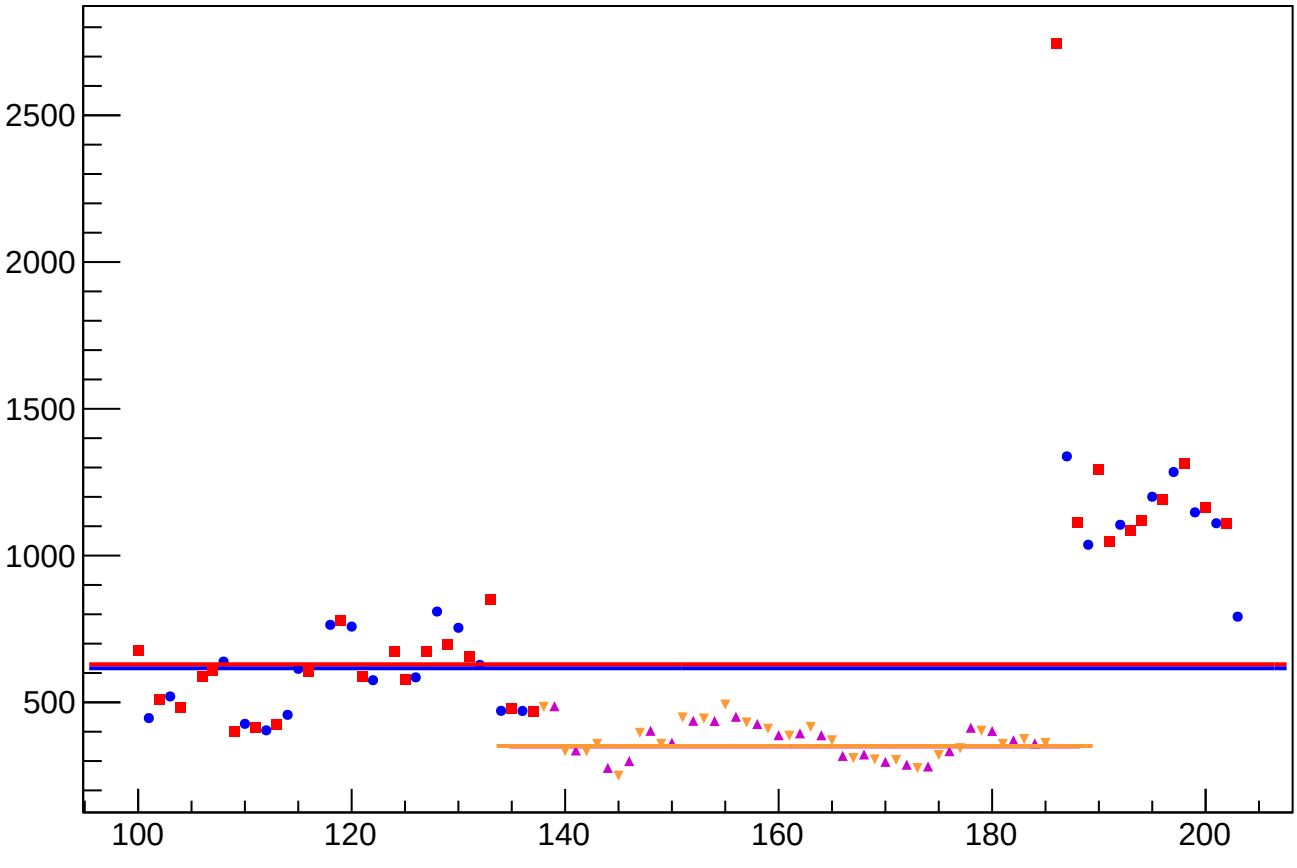
Left: -178.896+/-58.047 χ^2/NDF: 101.3/47

Right: 107.444+/-128.179 χ^2/NDF: 55.7/52

In: 11.430+/-75.613 χ^2/NDF:52.5/46

Out: -265.694+/-73.974 χ^2/NDF:101.8/53

All: -130.167+/-52.877 χ^2/NDF: 161.2/100



Right In: 616.150+/-0.129 χ^2/NDF: 3389801.0/23

Left Out: 351.264+/-0.057 χ^2/NDF:1118243.1/24

Right Out: 629.679+/-0.127 χ^2/NDF: 4491139.1/28

Left In: 349.813+/-0.059 χ^2/NDF:990359.9/22

Left: 350.555+/-0.041 χ^2/NDF: 2108915.4/47

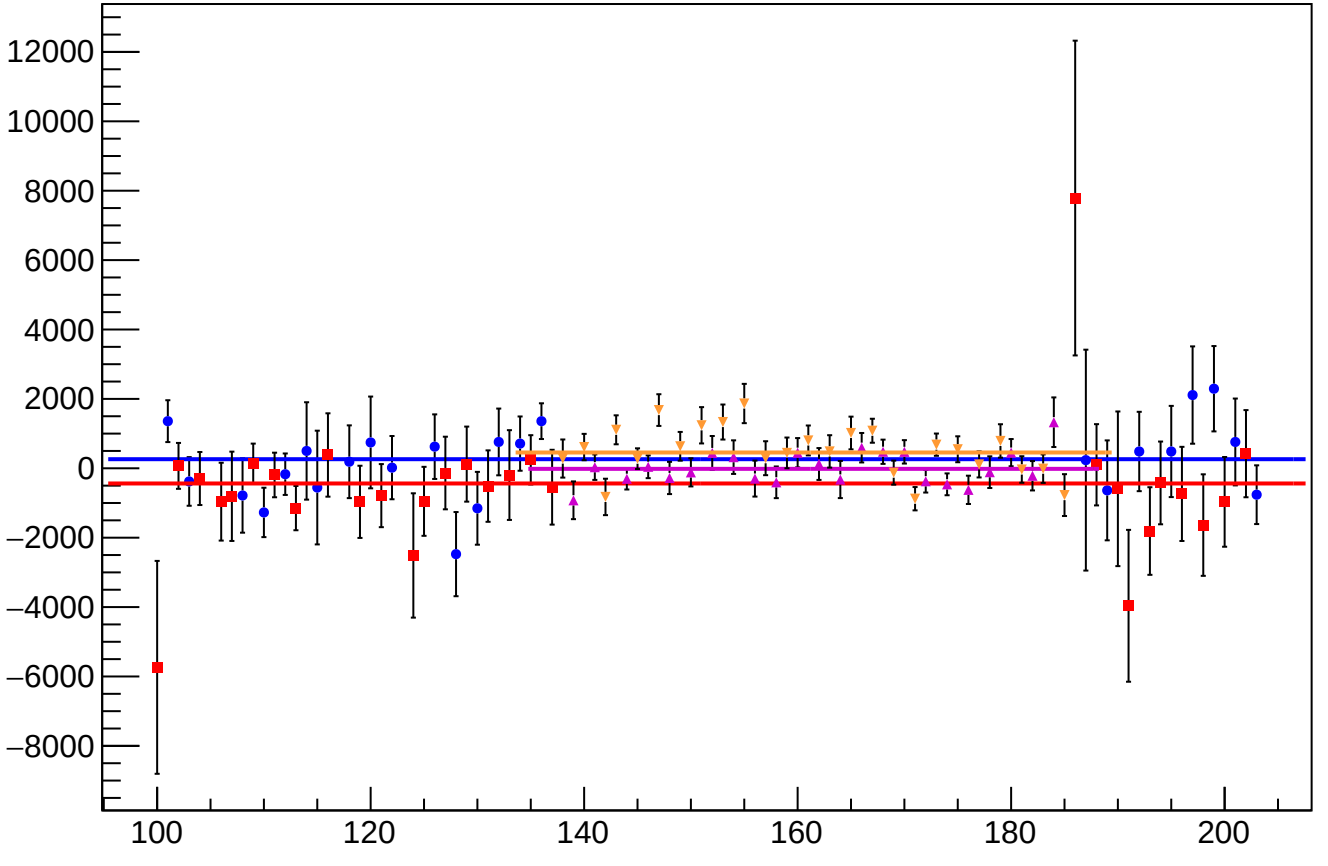
Right: 623.003+/-0.091 χ^2/NDF: 7886509.7/52

In: 395.548+/-0.053 χ^2/NDF:7909539.4/46

Out: 398.234+/-0.052 χ^2/NDF:9582588.7/53

All: 396.920+/-0.037 χ^2/NDF: 17493418.3/10

asym_sam_1357_avg_mean vs Slug, Sign Corrected



Right In: 262.271+/-187.794 χ^2/NDF: 29.5/23

Left Out: 455.234+/-82.961 χ^2/NDF:60.8/24

Right Out: -437.601+/-187.574 χ^2/NDF: 18.7/28

Left In: -16.073+/-84.830 χ^2/NDF:24.9/22

Left: 224.832+/-59.312 χ^2/NDF: 101.5/47

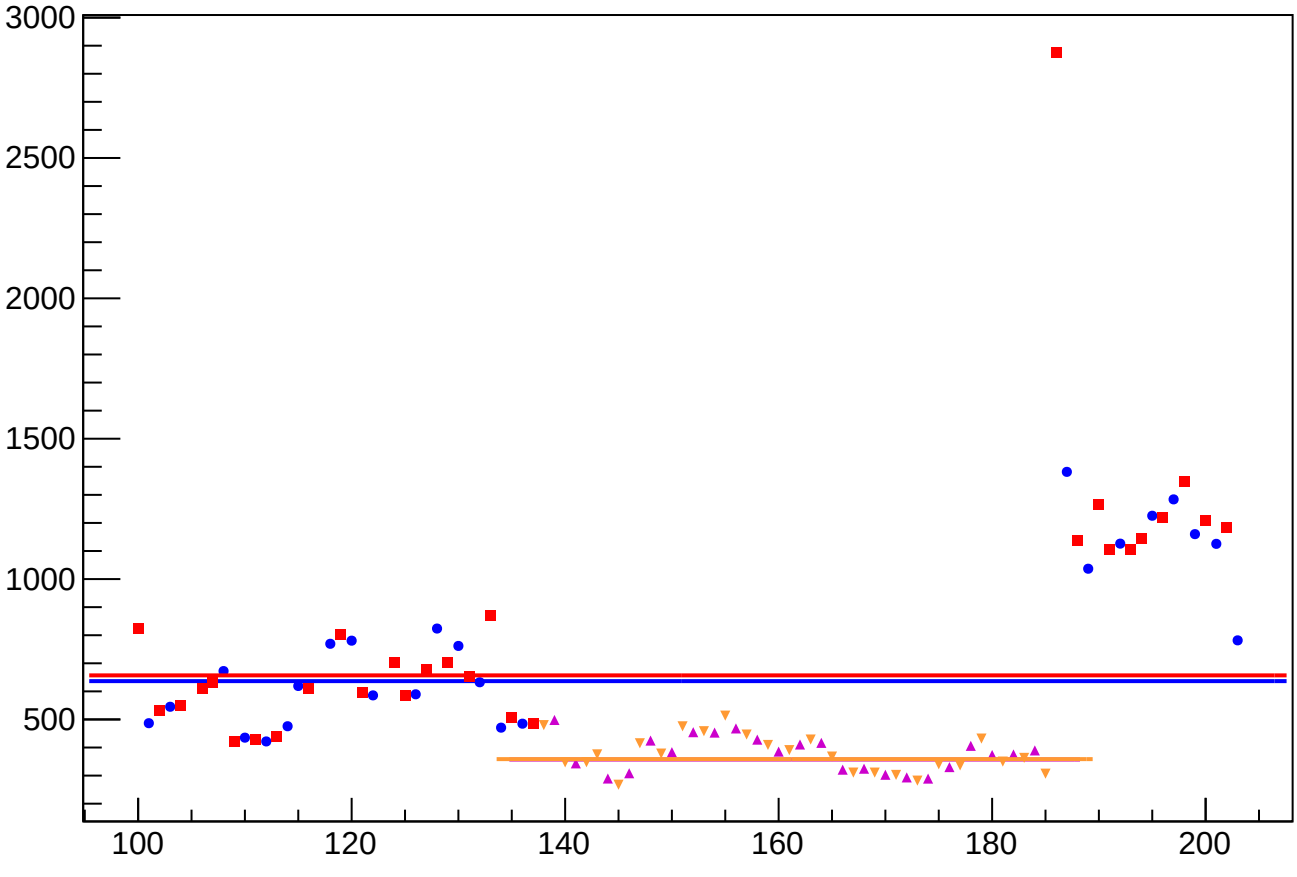
Right: -88.075+/-132.713 χ^2/NDF: 55.1/52

In: 31.098+/-77.309 χ^2/NDF:56.2/46

Out: 309.159+/-75.871 χ^2/NDF:98.5/53

All: 172.738+/-54.150 χ^2/NDF: 161.2/100

asym_sam_1357_avg_rms vs Slug, Sign Corrected



Right In: 636.521+/-0.133 χ^2/NDF: 3197268.4/23

Left Out: 358.677+/-0.059 χ^2/NDF:1119535.1/24

Right Out: 657.003+/-0.133 χ^2/NDF: 4339778.6/28

Left In: 357.182+/-0.060 χ^2/NDF:981641.8/22

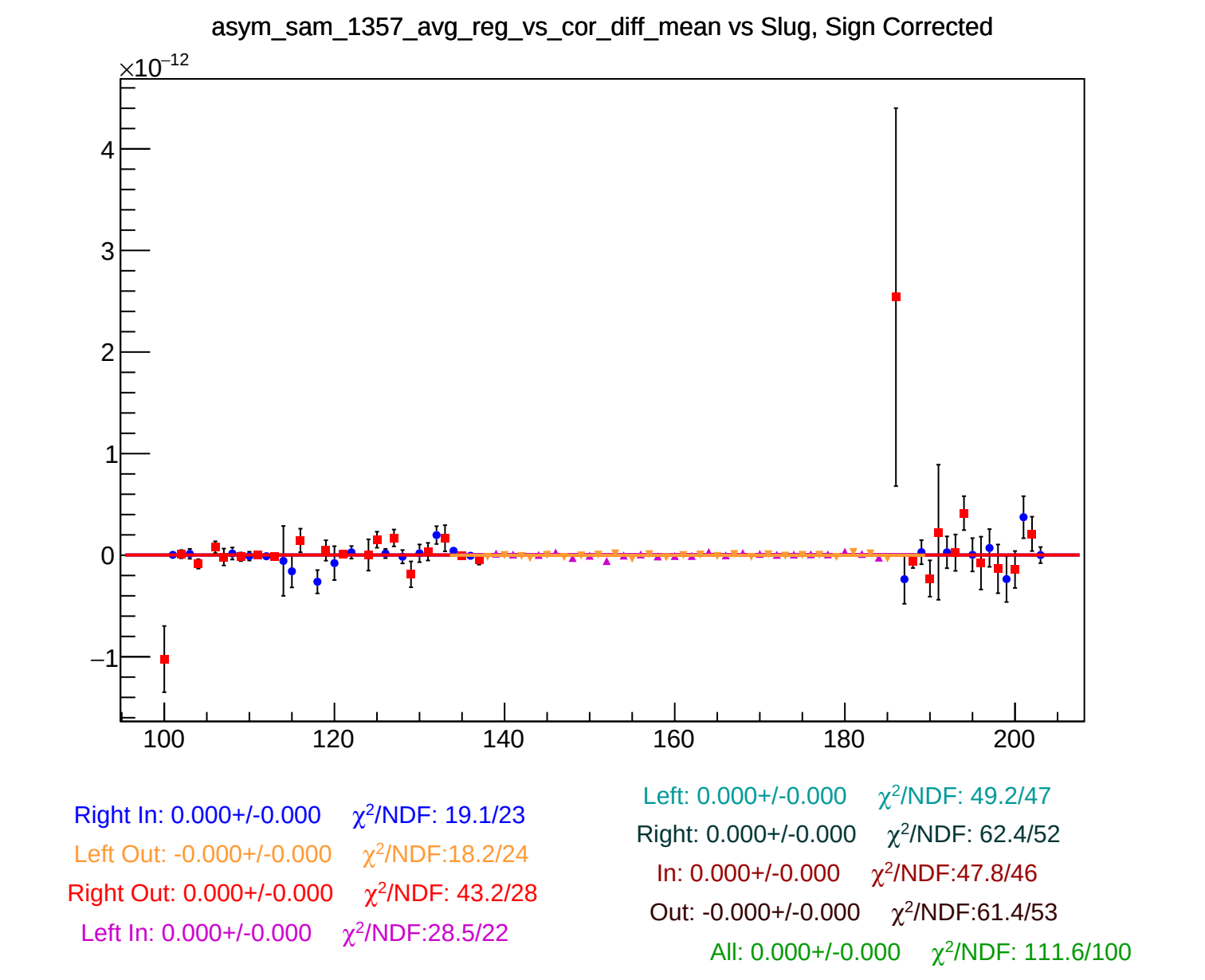
Left: 357.946+/-0.042 χ^2/NDF: 2101494.2/47

Right: 646.774+/-0.094 χ^2/NDF: 7548956.1/52

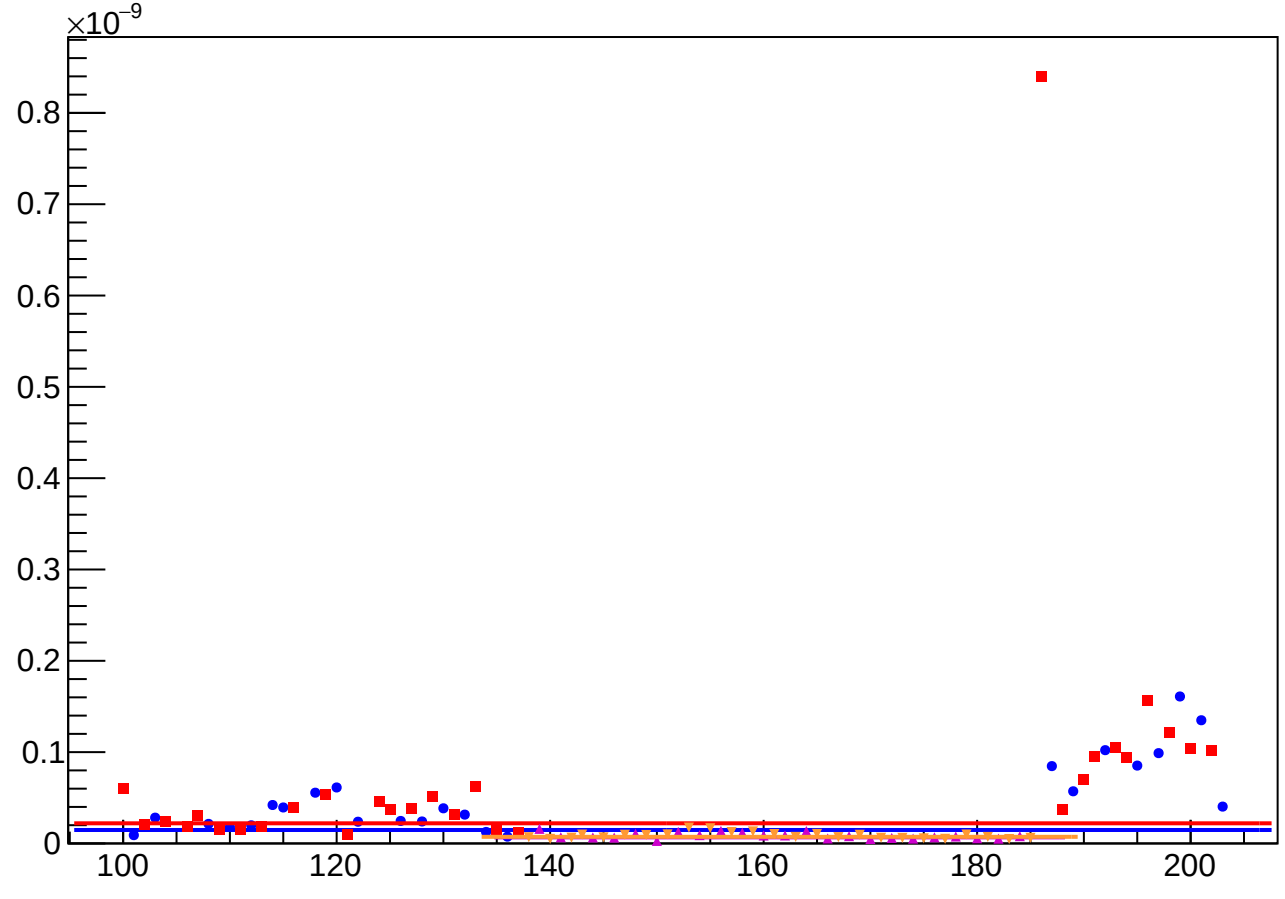
In: 404.522+/-0.055 χ^2/NDF:7854127.9/46

Out: 407.485+/-0.054 χ^2/NDF:9690629.8/53

All: 406.032+/-0.038 χ^2/NDF: 17546254.8/10


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: 19.1/23
Left Out: -0.000+/-0.000 χ²/NDF:18.2/24
Right Out: 0.000+/-0.000 χ²/NDF: 43.2/28
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: 62.4/52
In: 0.000+/-0.000 χ²/NDF:47.8/46
Out: -0.000+/-0.000 χ²/NDF:61.4/53
All: 0.000+/-0.000 χ²/NDF: 111.6/100

asym_sam_1357_avg_reg_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 5396589.3/23

Left Out: 0.000+/-0.000 χ^2/NDF:1438289.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 4667833.2/28

Left In: 0.000+/-0.000 χ^2/NDF:1746143.3/22

Left: 0.000+/-0.000 χ^2/NDF: 3229339.0/47

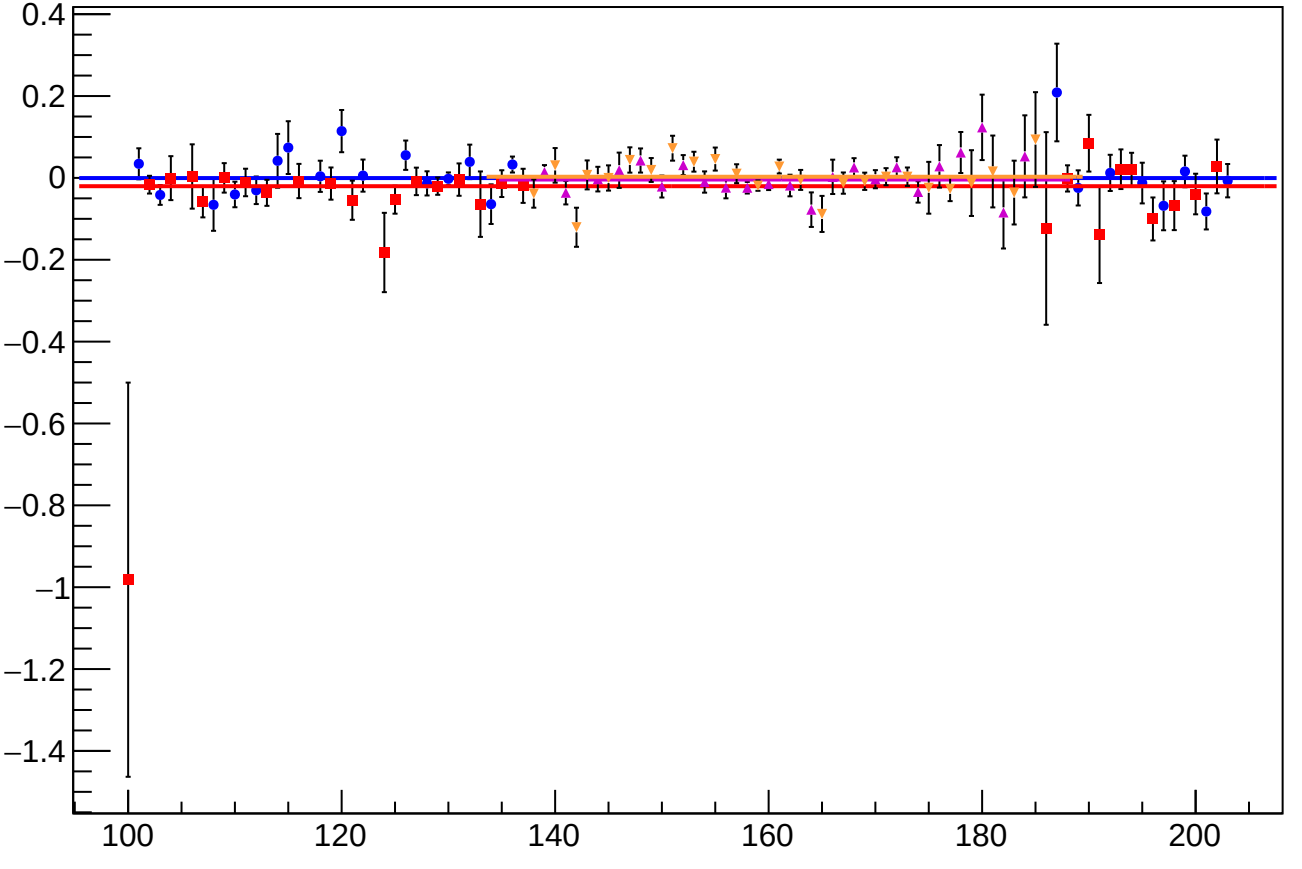
Right: 0.000+/-0.000 χ^2/NDF: 10555725.5/52

In: 0.000+/-0.000 χ^2/NDF:8636200.9/46

Out: 0.000+/-0.000 χ^2/NDF:9095670.3/53

All: 0.000+/-0.000 χ^2/NDF: 17794224.8/100

asym_sam_1357_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.007 χ^2/NDF: 30.6/23

Left Out: 0.003+/-0.005 χ^2/NDF:32.8/24

Right Out: -0.020+/-0.008 χ^2/NDF: 20.0/28

Left In: -0.004+/-0.005 χ^2/NDF:24.6/22

Left: -0.001+/-0.004 χ^2/NDF: 58.2/47

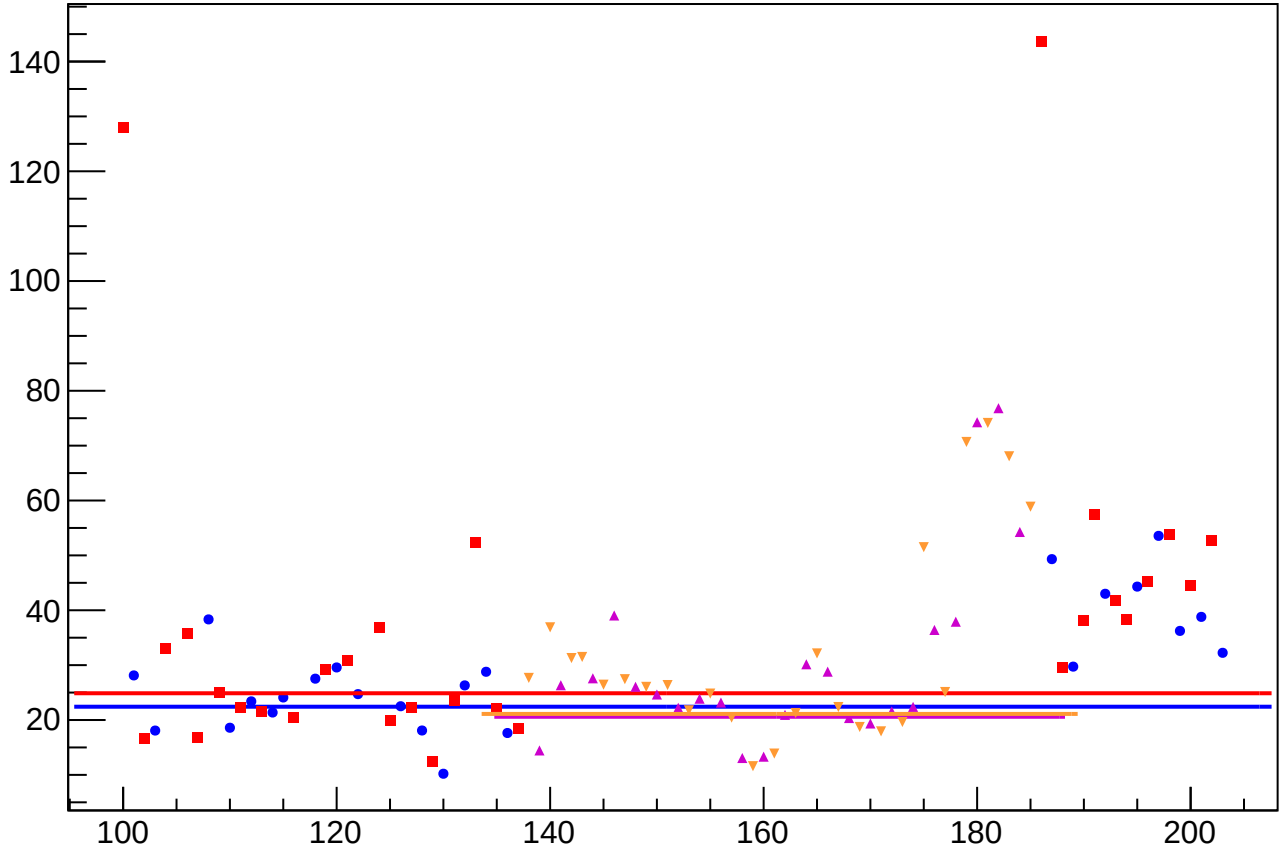
Right: -0.010+/-0.005 χ^2/NDF: 54.2/52

In: -0.003+/-0.004 χ^2/NDF:55.3/46

Out: -0.005+/-0.004 χ^2/NDF:58.9/53

All: -0.004+/-0.003 χ^2/NDF: 114.4/100

asym_sam_1357_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 22.423+/-0.005 χ^2/NDF: 3969934.4/23

Left Out: 21.109+/-0.004 χ^2/NDF:5546528.5/24

Right Out: 24.876+/-0.005 χ^2/NDF: 4424968.2/28

Left In: 20.591+/-0.004 χ^2/NDF:4599493.5/22

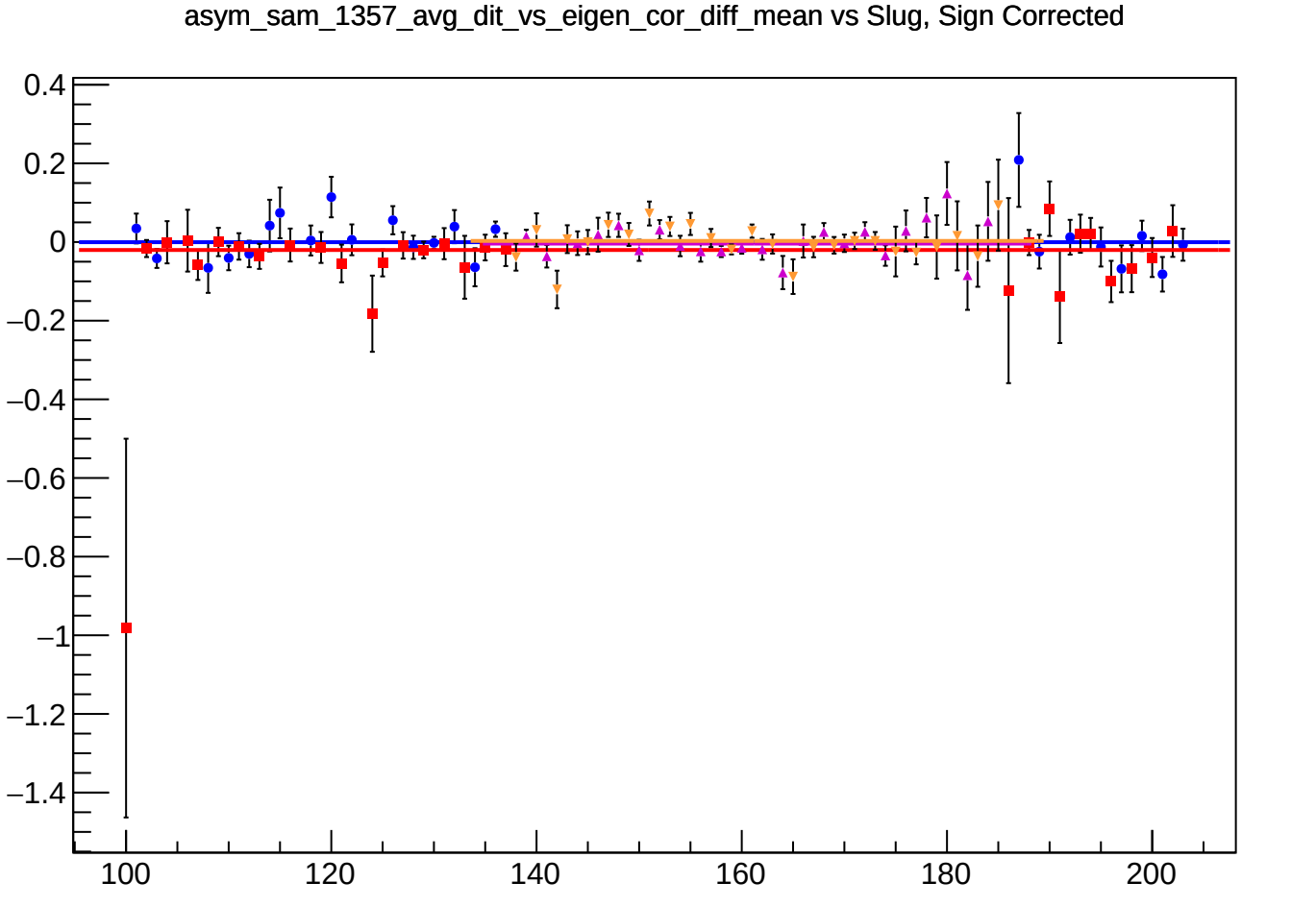
Left: 20.849+/-0.003 χ^2/NDF: 10155046.5/47

Right: 23.569+/-0.004 χ^2/NDF: 8507479.7/52

In: 21.272+/-0.003 χ^2/NDF:8653802.6/46

Out: 22.401+/-0.003 χ^2/NDF:10298937.1/53

All: 21.822+/-0.002 χ^2/NDF: 19019652.5/100



Right In: -0.000+/-0.007 χ^2/NDF: 30.6/23

Left Out: 0.003+/-0.005 χ^2/NDF:32.8/24

Right Out: -0.020+/-0.008 χ^2/NDF: 20.0/28

Left In: -0.004+/-0.005 χ^2/NDF:24.6/22

Left: -0.001+/-0.004 χ^2/NDF: 58.2/47

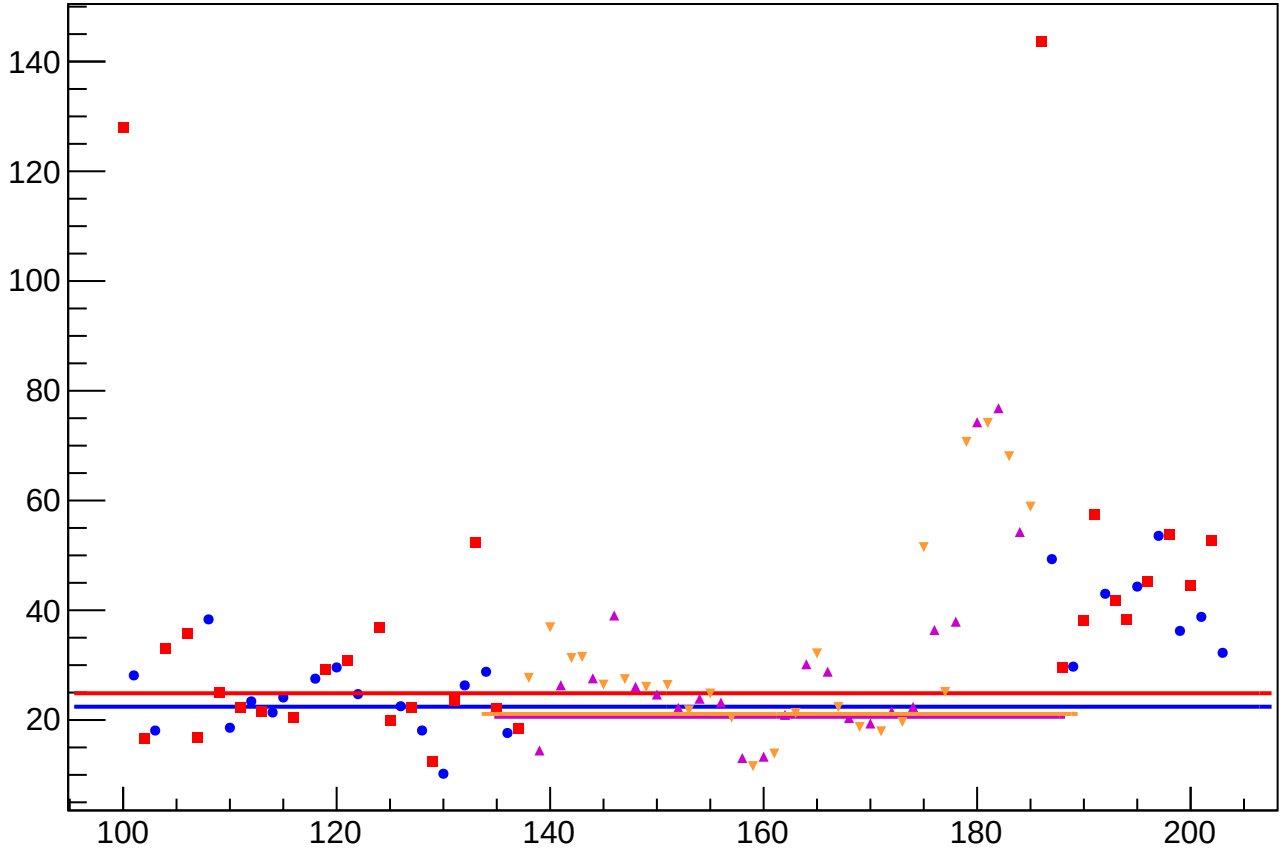
Right: -0.010+/-0.005 χ^2/NDF: 54.2/52

In: -0.003+/-0.004 χ^2/NDF:55.3/46

Out: -0.005+/-0.004 χ^2/NDF:58.9/53

All: -0.004+/-0.003 χ^2/NDF: 114.4/100

asym_sam_1357_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 22.423+/-0.005 χ^2/NDF: 3969934.4/23

Left Out: 21.109+/-0.004 χ^2/NDF:5546528.5/24

Right Out: 24.876+/-0.005 χ^2/NDF: 4424968.2/28

Left In: 20.591+/-0.004 χ^2/NDF:4599493.5/22

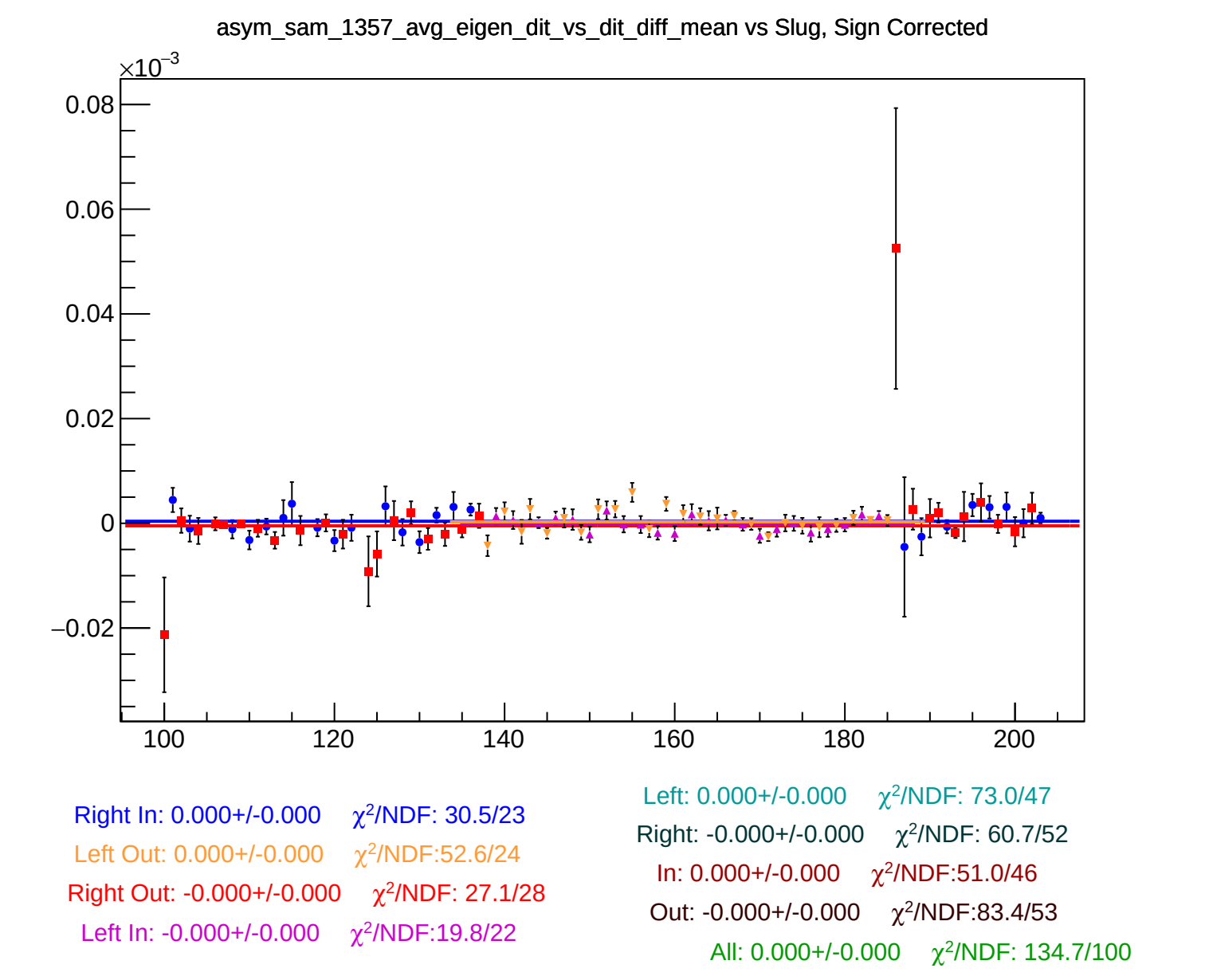
Left: 20.849+/-0.003 χ^2/NDF: 10155046.5/47

Right: 23.569+/-0.004 χ^2/NDF: 8507479.7/52

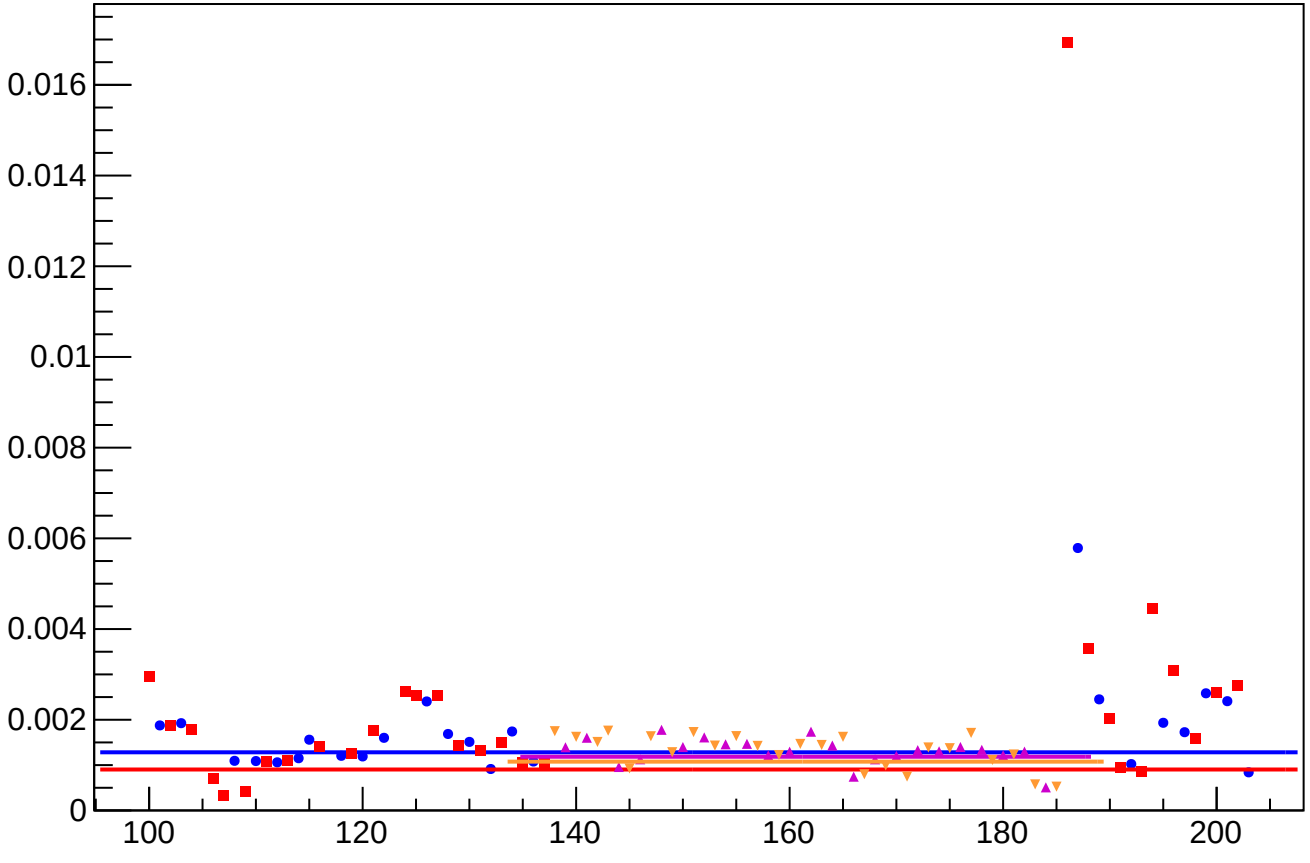
In: 21.272+/-0.003 χ^2/NDF:8653802.6/46

Out: 22.401+/-0.003 χ^2/NDF:10298937.1/53

All: 21.822+/-0.002 χ^2/NDF: 19019652.5/100


asym_sam_1357_avg_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected
×10^−3
0.08
0.06
0.04
0.02
0
−0.02
100
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 30.5/23
Left Out: 0.000+/-0.000 χ²/NDF:52.6/24
Right Out: -0.000+/-0.000 χ²/NDF: 27.1/28
Left In: -0.000+/-0.000 χ²/NDF:19.8/22
Left: 0.000+/-0.000 χ²/NDF: 73.0/47
Right: -0.000+/-0.000 χ²/NDF: 60.7/52
In: 0.000+/-0.000 χ²/NDF:51.0/46
Out: -0.000+/-0.000 χ²/NDF:83.4/53
All: 0.000+/-0.000 χ²/NDF: 134.7/100

asym_sam_1357_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.001+/-0.000 χ^2/NDF: 2897511.7/23

Left Out: 0.001+/-0.000 χ^2/NDF:4545392.2/24

Right Out: 0.001+/-0.000 χ^2/NDF: 10545987.4/28

Left In: 0.001+/-0.000 χ^2/NDF:2456537.2/22

Left: 0.001+/-0.000 χ^2/NDF: 7155644.5/47

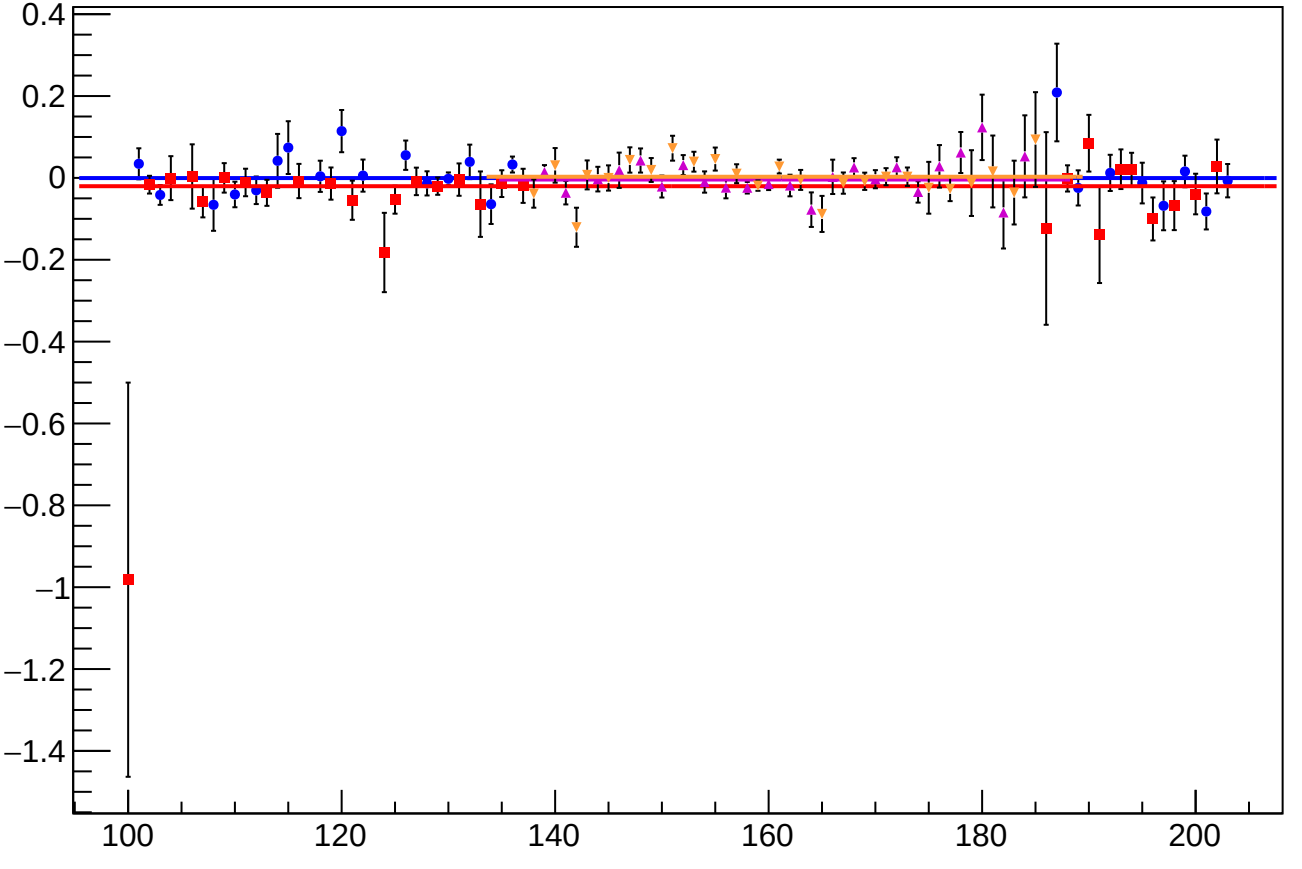
Right: 0.001+/-0.000 χ^2/NDF: 14625192.0/52

In: 0.001+/-0.000 χ^2/NDF:5435263.1/46

Out: 0.001+/-0.000 χ^2/NDF:15464812.1/53

All: 0.001+/-0.000 χ^2/NDF: 21911817.7/100

asym_sam_1357_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.007 χ^2/NDF: 30.6/23

Left Out: 0.003+/-0.005 χ^2/NDF:32.8/24

Right Out: -0.020+/-0.008 χ^2/NDF: 20.0/28

Left In: -0.004+/-0.005 χ^2/NDF:24.6/22

Left: -0.001+/-0.004 χ^2/NDF: 58.2/47

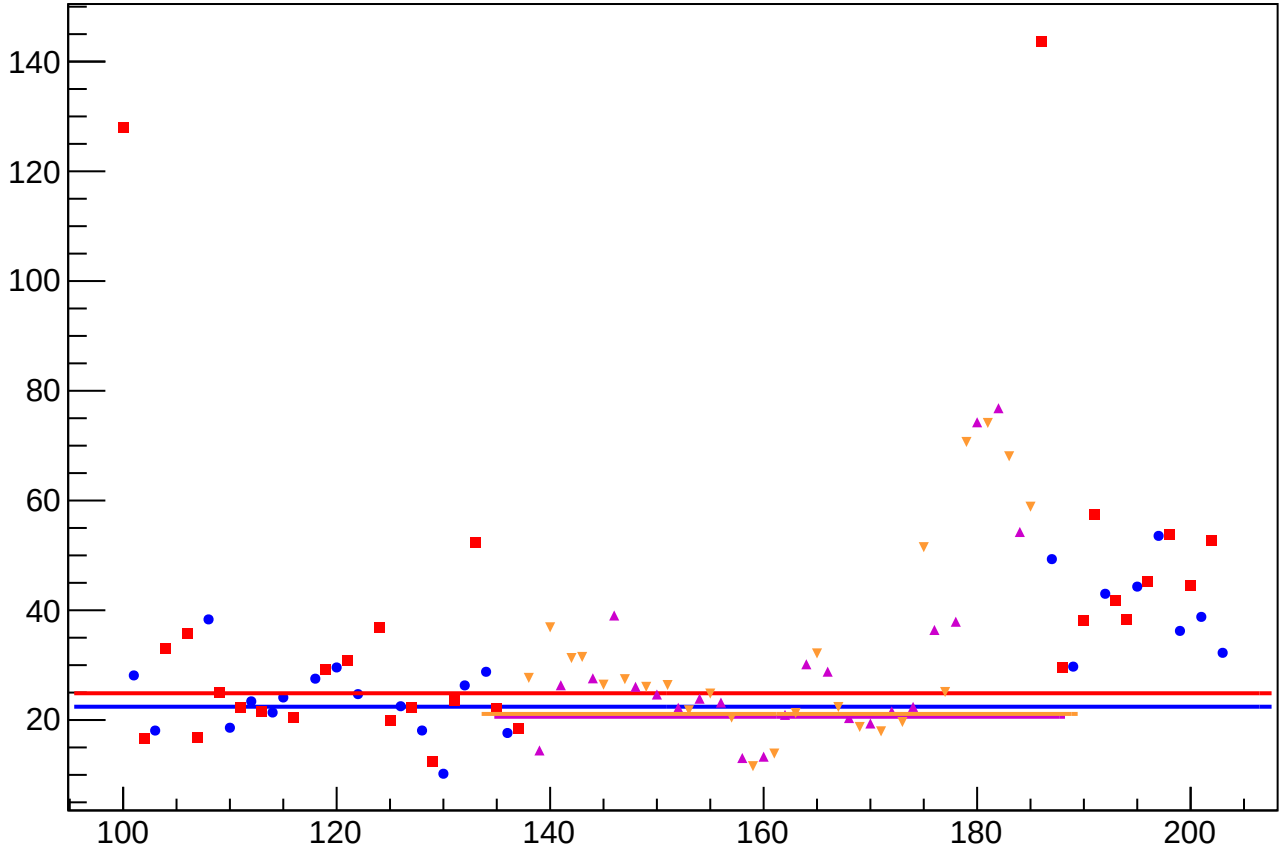
Right: -0.010+/-0.005 χ^2/NDF: 54.2/52

In: -0.003+/-0.004 χ^2/NDF:55.3/46

Out: -0.005+/-0.004 χ^2/NDF:58.9/53

All: -0.004+/-0.003 χ^2/NDF: 114.4/100

asym_sam_1357_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 22.423+/-0.005 χ^2/NDF: 3969714.4/23

Left Out: 21.109+/-0.004 χ^2/NDF:5546663.4/24

Right Out: 24.876+/-0.005 χ^2/NDF: 4424953.0/28

Left In: 20.592+/-0.004 χ^2/NDF:4599496.2/22

Left: 20.849+/-0.003 χ^2/NDF: 10155178.1/47

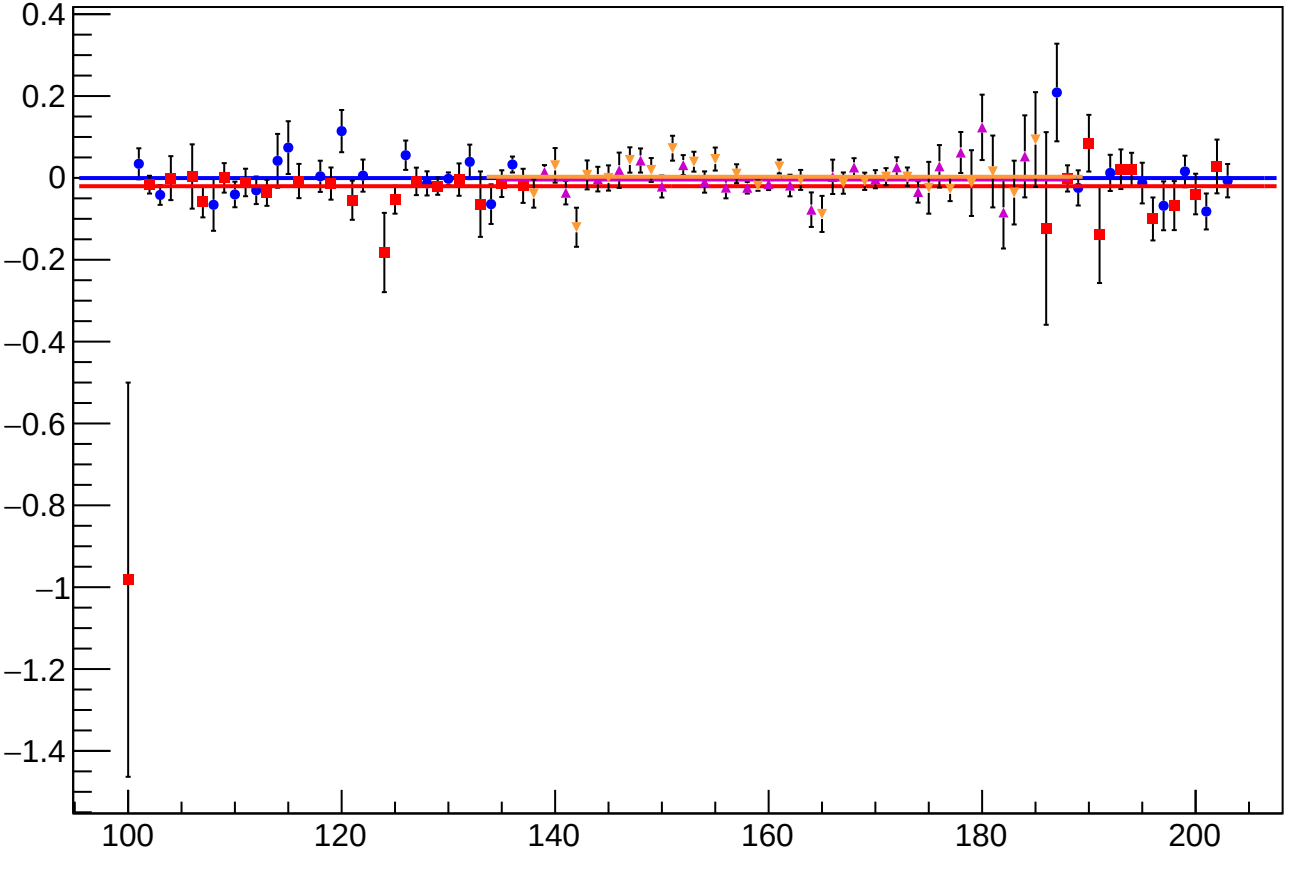
Right: 23.569+/-0.004 χ^2/NDF: 8507224.1/52

In: 21.272+/-0.003 χ^2/NDF:8653603.0/46

Out: 22.401+/-0.003 χ^2/NDF:10299085.4/53

All: 21.822+/-0.002 χ^2/NDF: 19019577.3/100

asym_sam_1357_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.007 χ^2/NDF: 30.6/23

Left Out: 0.003+/-0.005 χ^2/NDF:32.8/24

Right Out: -0.020+/-0.008 χ^2/NDF: 20.0/28

Left In: -0.004+/-0.005 χ^2/NDF:24.6/22

Left: -0.001+/-0.004 χ^2/NDF: 58.2/47

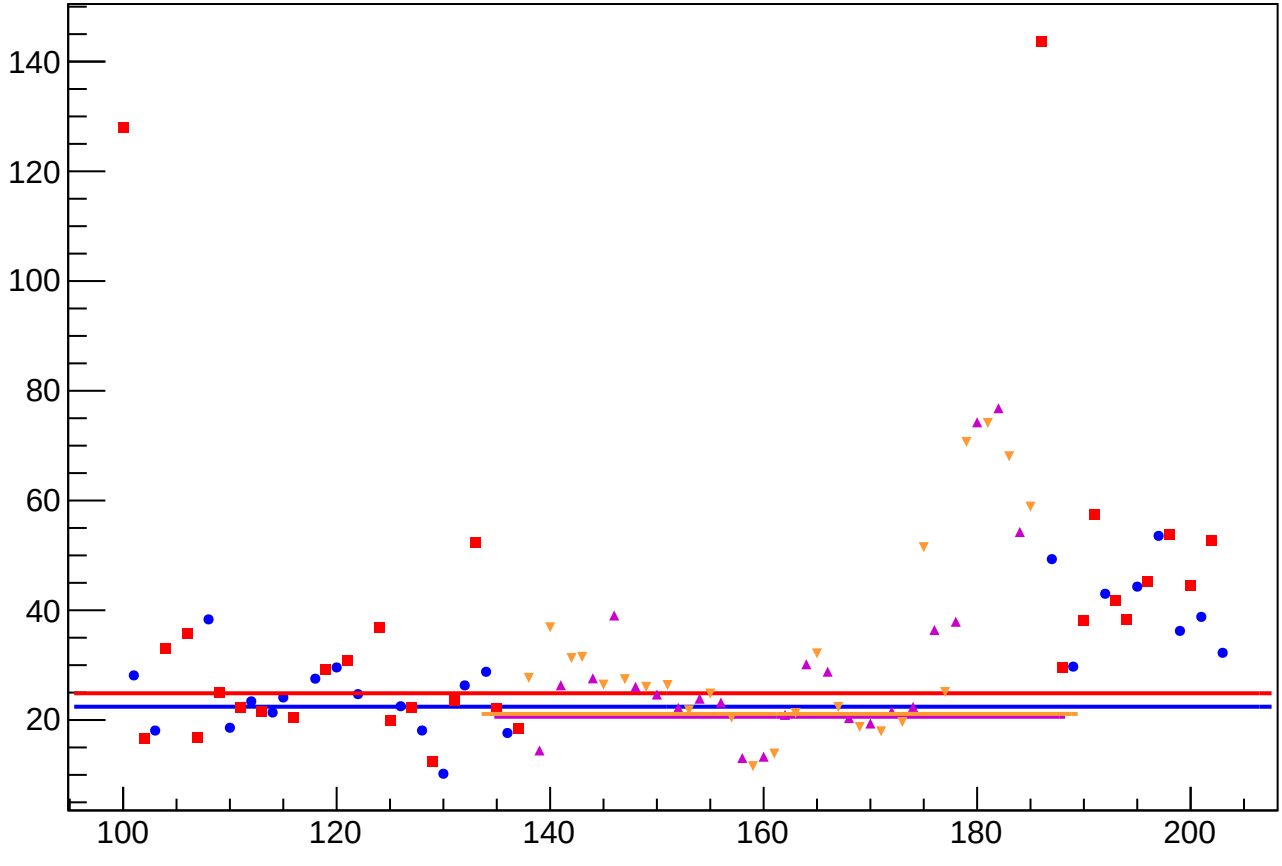
Right: -0.010+/-0.005 χ^2/NDF: 54.2/52

In: -0.003+/-0.004 χ^2/NDF:55.3/46

Out: -0.005+/-0.004 χ^2/NDF:58.9/53

All: -0.004+/-0.003 χ^2/NDF: 114.4/100

asym_sam_1357_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 22.423+/-0.005 χ^2/NDF: 3969714.4/23

Left Out: 21.109+/-0.004 χ^2/NDF:5546663.4/24

Right Out: 24.876+/-0.005 χ^2/NDF: 4424953.0/28

Left In: 20.592+/-0.004 χ^2/NDF:4599496.2/22

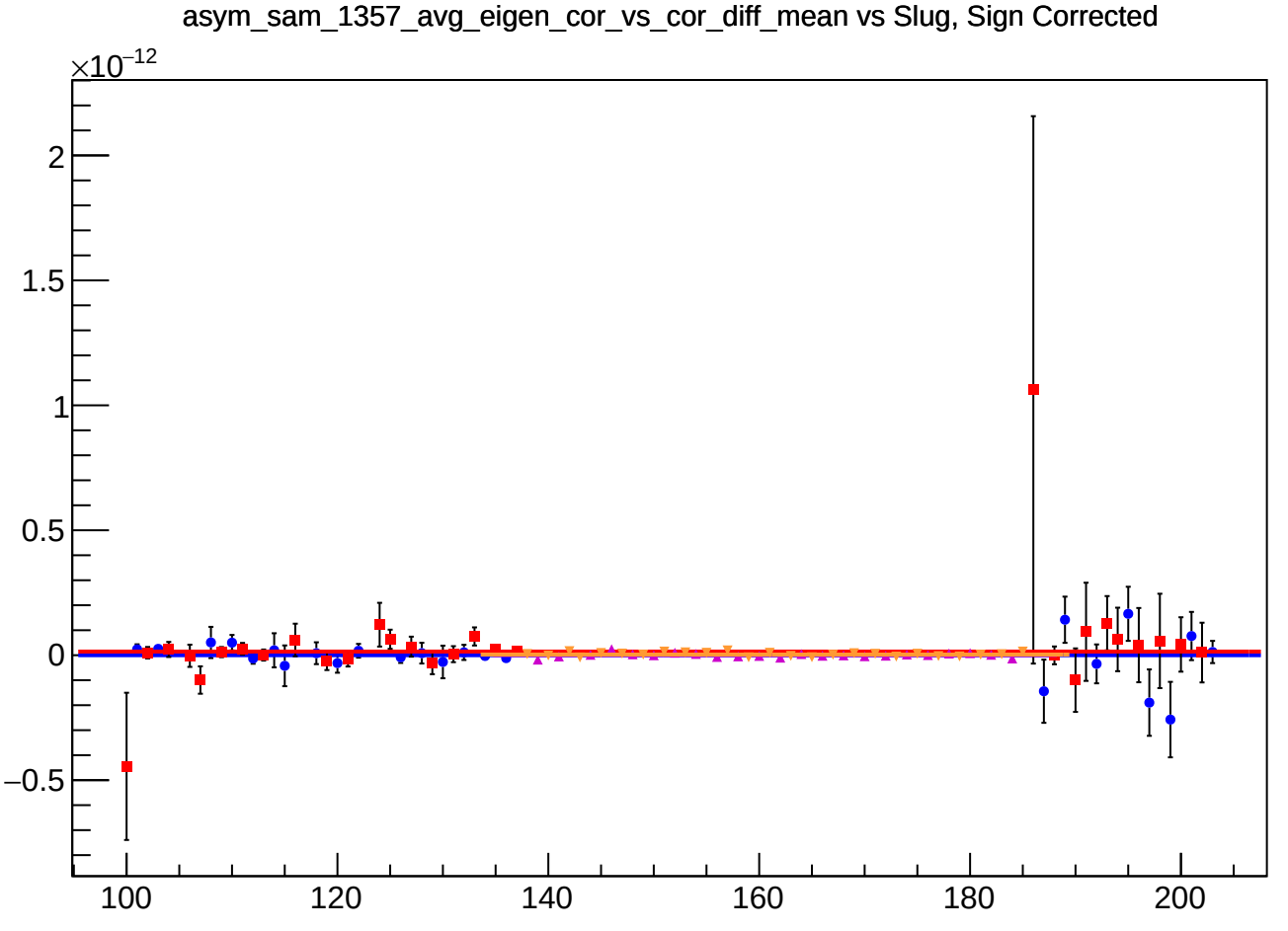
Left: 20.849+/-0.003 χ^2/NDF: 10155178.1/47

Right: 23.569+/-0.004 χ^2/NDF: 8507224.1/52

In: 21.272+/-0.003 χ^2/NDF:8653603.0/46

Out: 22.401+/-0.003 χ^2/NDF:10299085.4/53

All: 21.822+/-0.002 χ^2/NDF: 19019577.3/100



Right In: 0.000+/-0.000 χ^2/NDF: 22.4/23

Left Out: 0.000+/-0.000 χ^2/NDF:20.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 21.1/28

Left In: 0.000+/-0.000 χ^2/NDF:21.4/22

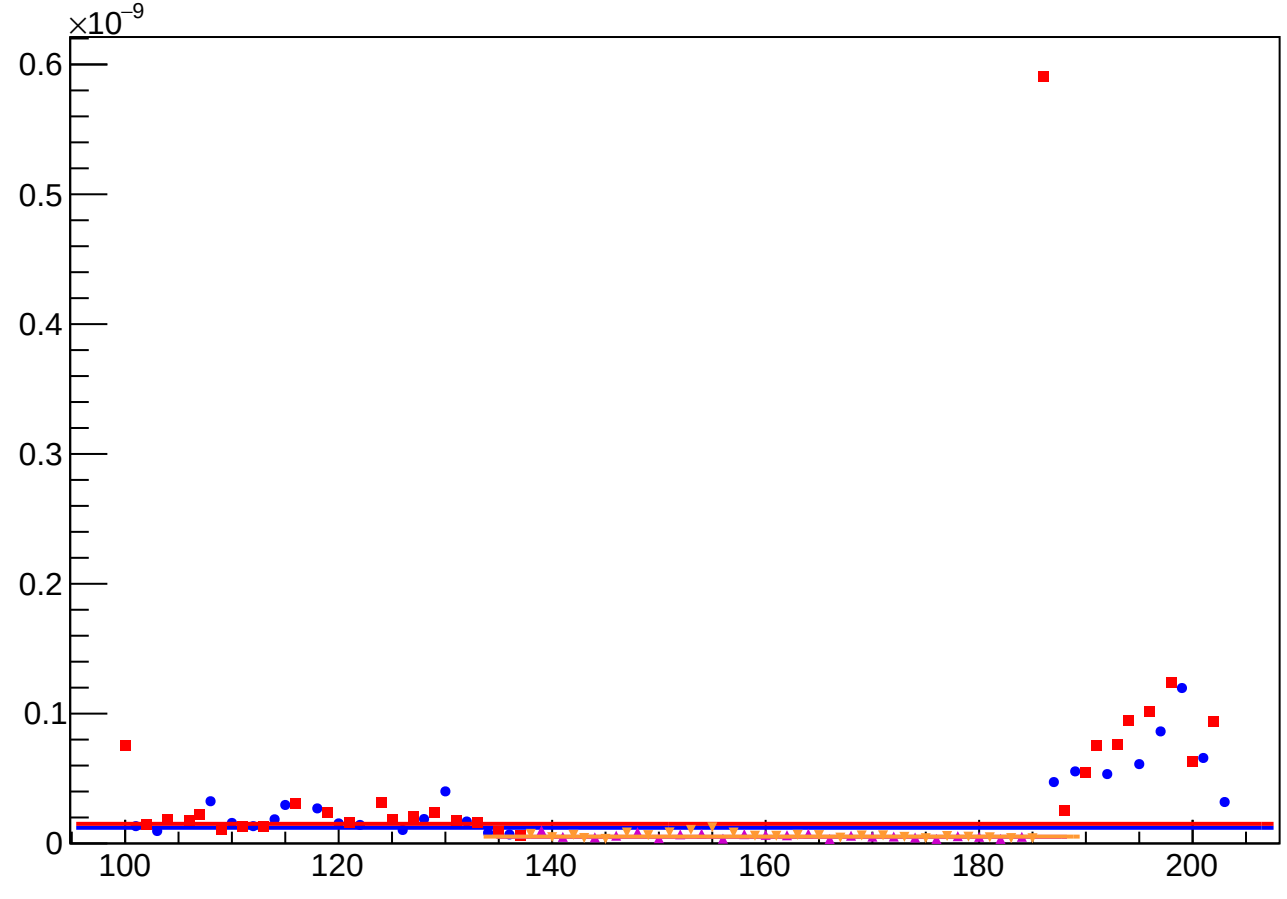
Left: 0.000+/-0.000 χ^2/NDF: 42.7/47

Right: 0.000+/-0.000 χ^2/NDF: 46.5/52

In: 0.000+/-0.000 χ^2/NDF:43.8/46

Out: 0.000+/-0.000 χ^2/NDF:45.1/53

All: 0.000+/-0.000 χ^2/NDF: 90.3/100



Right In: 0.000+/-0.000 χ^2/NDF: 6184043.0/23

Left Out: 0.000+/-0.000 χ^2/NDF:2053779.9/24

Right Out: 0.000+/-0.000 χ^2/NDF: 6655274.7/28

Left In: 0.000+/-0.000 χ^2/NDF:1700889.7/22

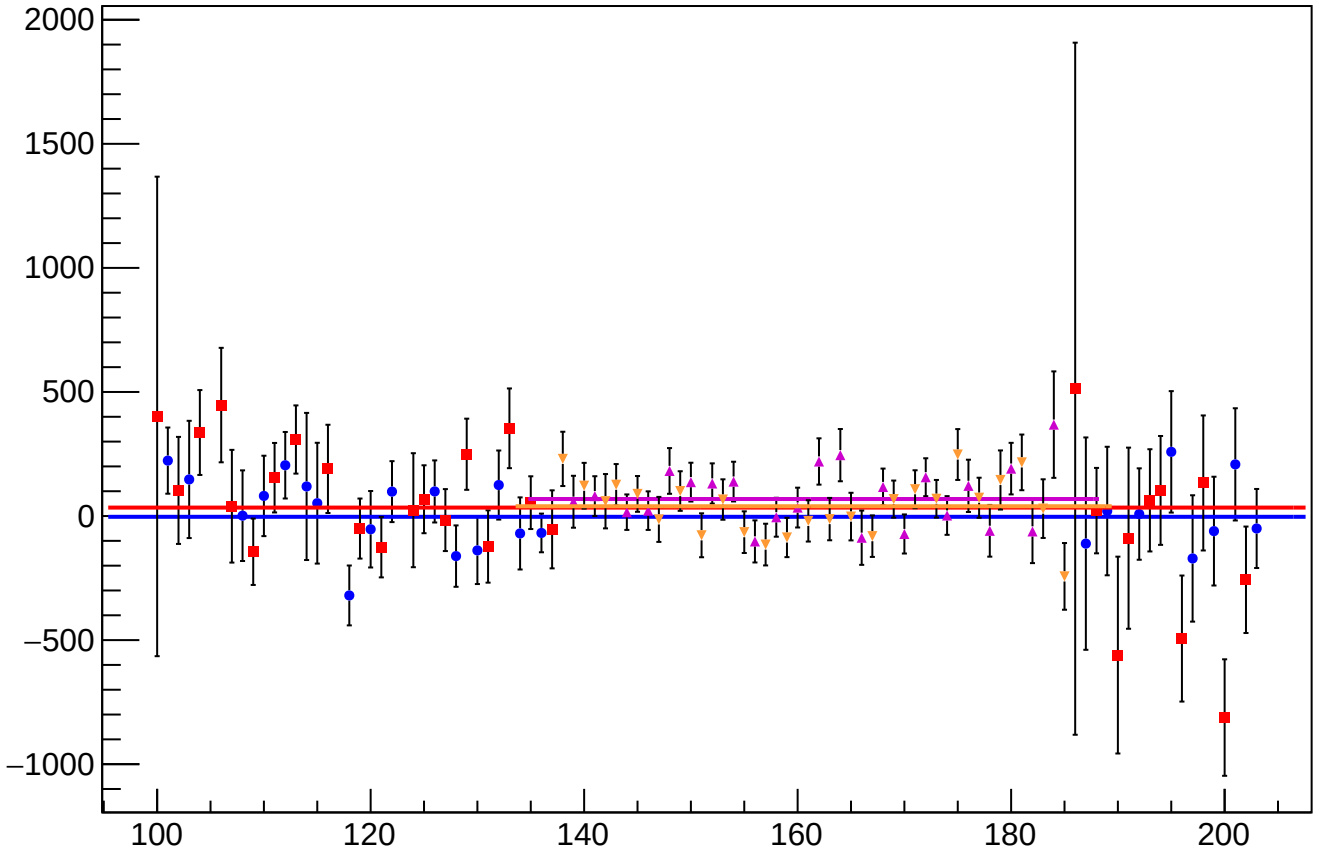
Left: 0.000+/-0.000 χ^2/NDF: 3769522.8/47

Right: 0.000+/-0.000 χ^2/NDF: 13099091.7/52

In: 0.000+/-0.000 χ^2/NDF:10876225.6/46

Out: 0.000+/-0.000 χ^2/NDF:13223031.4/53

All: 0.000+/-0.000 χ^2/NDF: 24120477.3/100



Right In: -3.096+/-31.428 χ^2/NDF: 21.6/23

Left Out: 39.477+/-17.666 χ^2/NDF:31.9/24

Right Out: 34.073+/-31.892 χ^2/NDF: 45.9/28

Left In: 68.620+/-18.317 χ^2/NDF:29.0/22

Left: 53.521+/-12.716 χ^2/NDF: 62.3/47

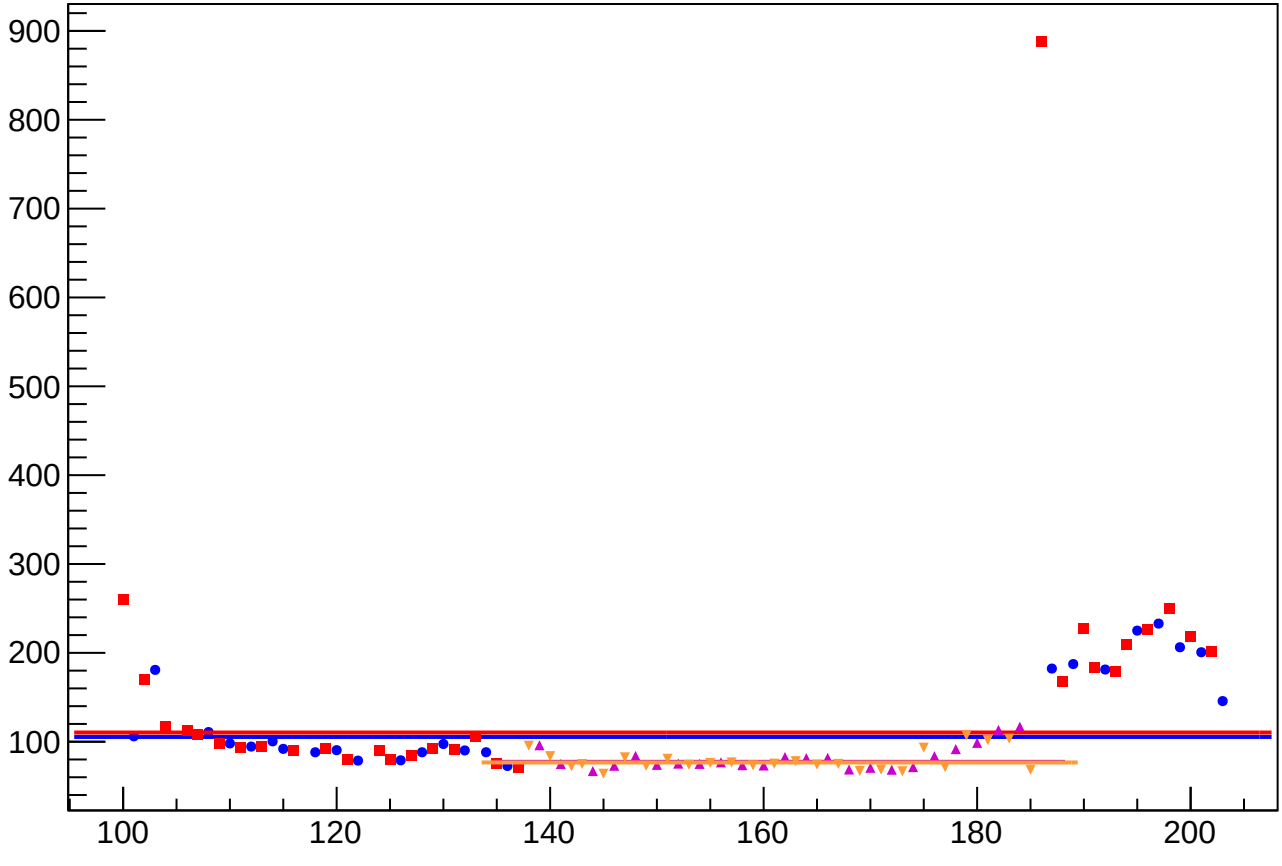
Right: 15.216+/-22.385 χ^2/NDF: 68.2/52

In: 50.436+/-15.825 χ^2/NDF:54.5/46

Out: 38.208+/-15.454 χ^2/NDF:77.8/53

All: 44.177+/-11.056 χ^2/NDF: 132.7/100

reg_asym_sam_2468_avg_rms vs Slug, Sign Corrected



Right In: 105.358+/-0.022 χ^2/NDF: 3413705.5/23

Left Out: 76.646+/-0.012 χ^2/NDF:654608.6/24

Right Out: 110.356+/-0.023 χ^2/NDF: 4549272.0/28

Left In: 77.348+/-0.013 χ^2/NDF:590414.8/22

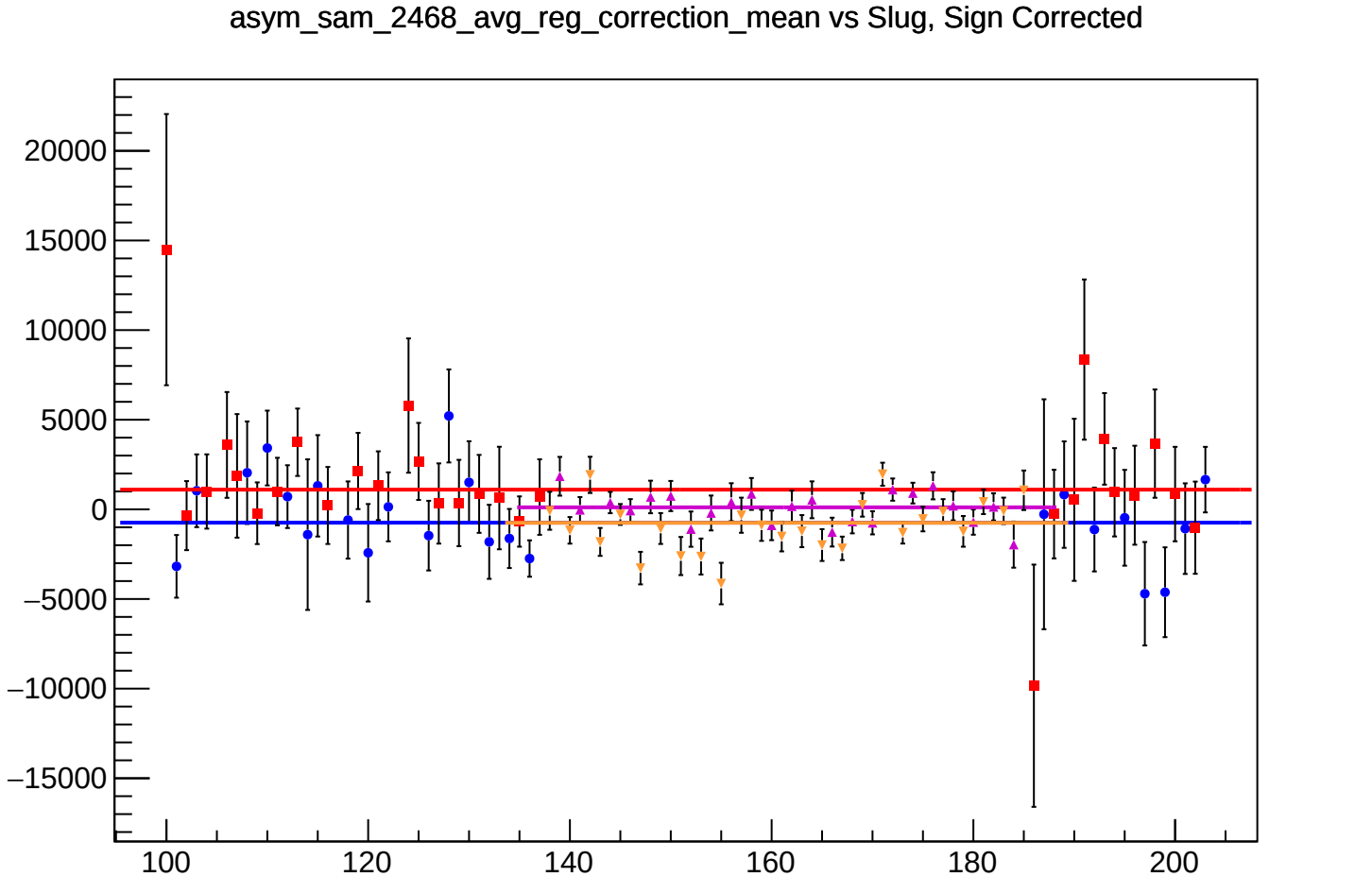
Left: 76.985+/-0.009 χ^2/NDF: 1246545.0/47

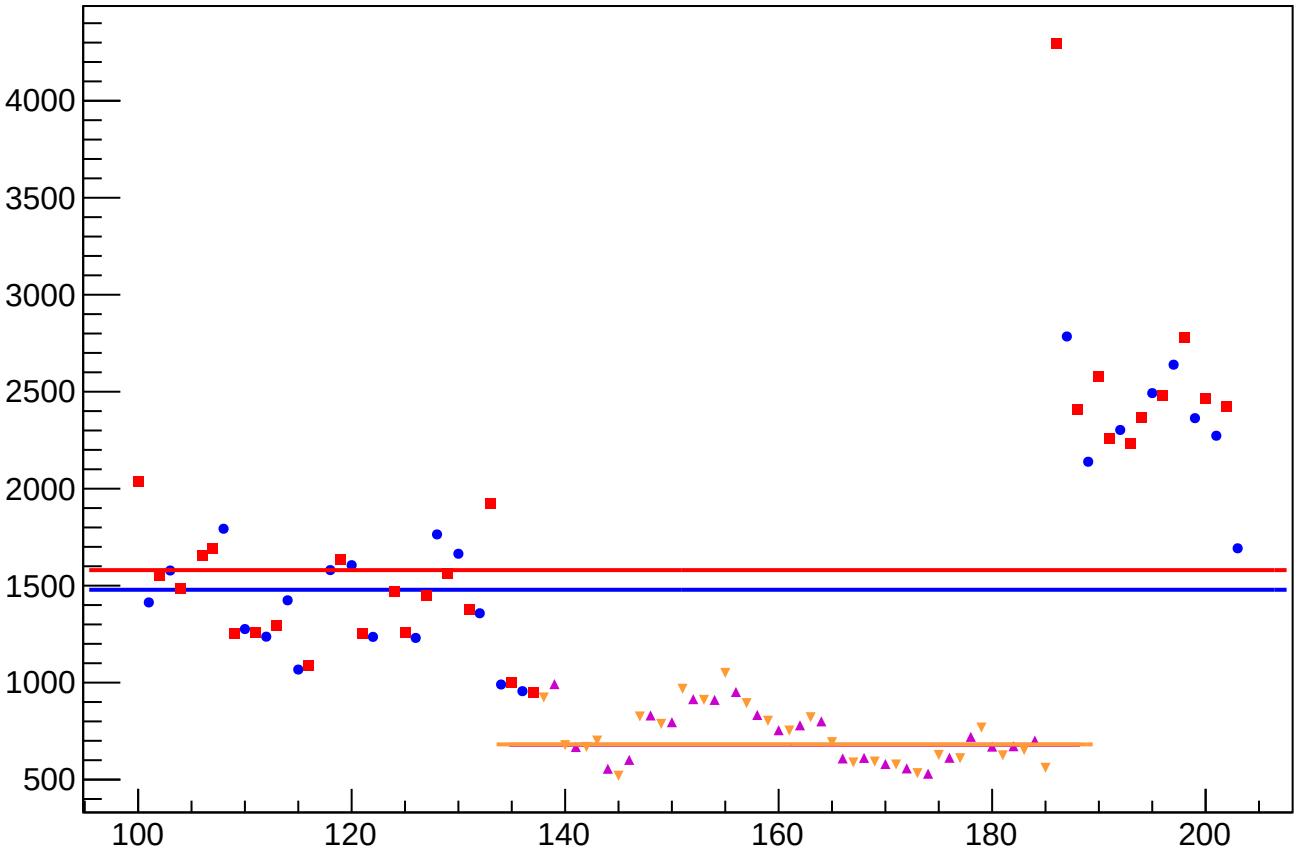
Right: 107.821+/-0.016 χ^2/NDF: 7987901.1/52

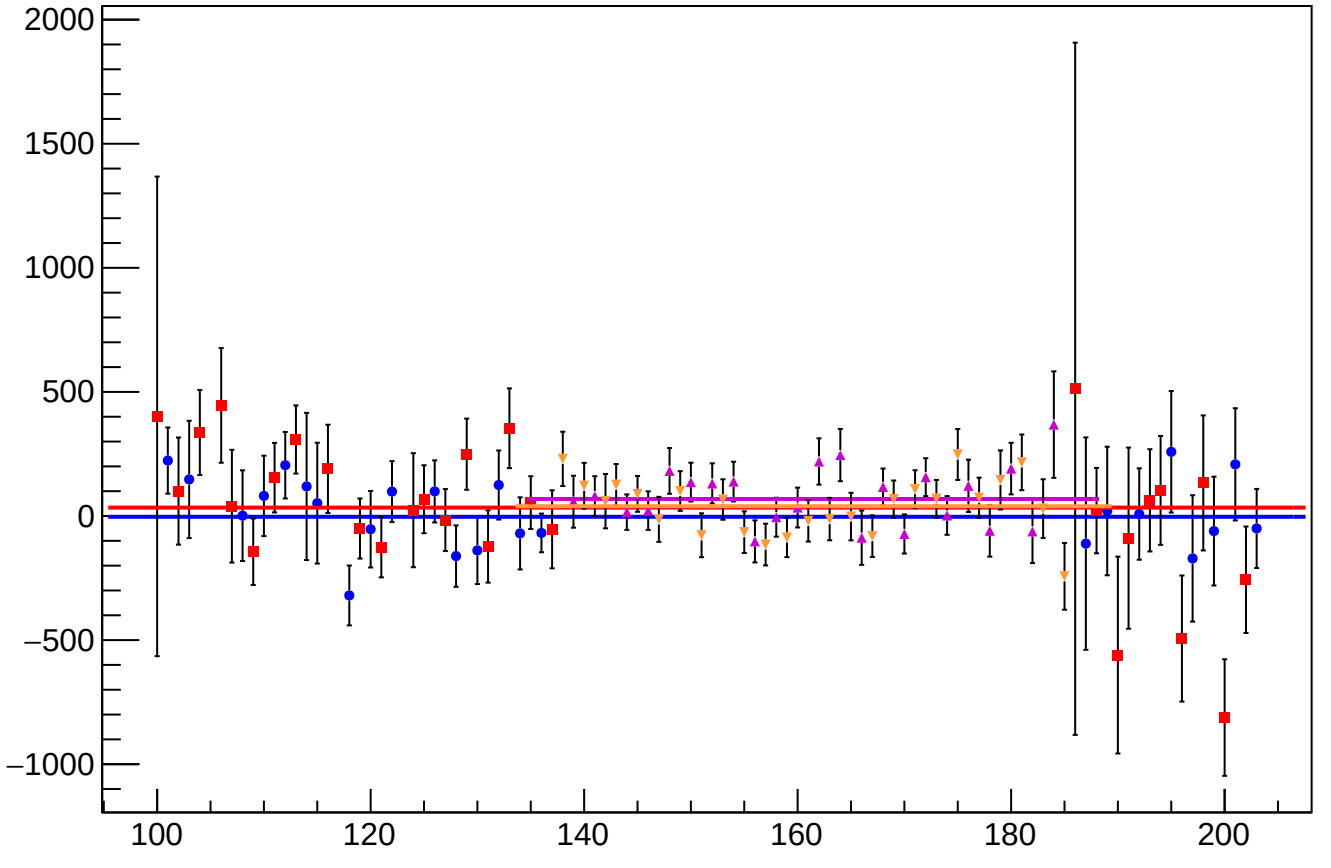
In: 84.450+/-0.011 χ^2/NDF:5189896.1/46

Out: 84.561+/-0.011 χ^2/NDF:6913722.4/53

All: 84.507+/-0.008 χ^2/NDF: 12103669.1/100


asym_sam_2468_avg_reg_correction_mean vs Slug, Sign Corrected
20000
15000
10000
5000
0
−5000
−10000
−15000
100
120
140
160
180
200
Right In: -741.711+/-429.488 χ²/NDF: 26.6/23
Left Out: -749.641+/-158.081 χ²/NDF:70.0/24
Right Out: 1099.933+/-438.628 χ²/NDF: 19.7/28
Left In: 113.799+/-161.809 χ²/NDF:25.1/22
Left: -327.982+/-113.075 χ²/NDF: 109.6/47
Right: 159.724+/-306.874 χ²/NDF: 55.3/52
In: 7.462+/-151.419 χ²/NDF:55.2/46
Out: -537.021+/-148.717 χ²/NDF:105.4/53
All: -269.681+/-106.101 χ²/NDF: 167.2/100


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: 1478.748+/-0.304 χ²/NDF: 2470125.7/23
Left Out: 681.427+/-0.112 χ²/NDF:1334213.4/24
Right Out: 1580.093+/-0.310 χ²/NDF: 2970675.6/28
Left In: 679.413+/-0.114 χ²/NDF:1185267.0/22
Left: 680.443+/-0.080 χ²/NDF: 2519638.8/47
Right: 1528.354+/-0.217 χ²/NDF: 5495308.9/52
In: 778.768+/-0.107 χ²/NDF:9721952.3/46
Out: 784.734+/-0.105 χ²/NDF:11735072.0/53
All: 781.805+/-0.075 χ²/NDF: 21458604.4/10



Right In: -3.104+/-31.428 χ^2/NDF: 21.6/23

Left Out: 39.484+/-17.666 χ^2/NDF:31.9/24

Right Out: 33.951+/-31.894 χ^2/NDF: 45.8/28

Left In: 68.620+/-18.317 χ^2/NDF:29.0/22

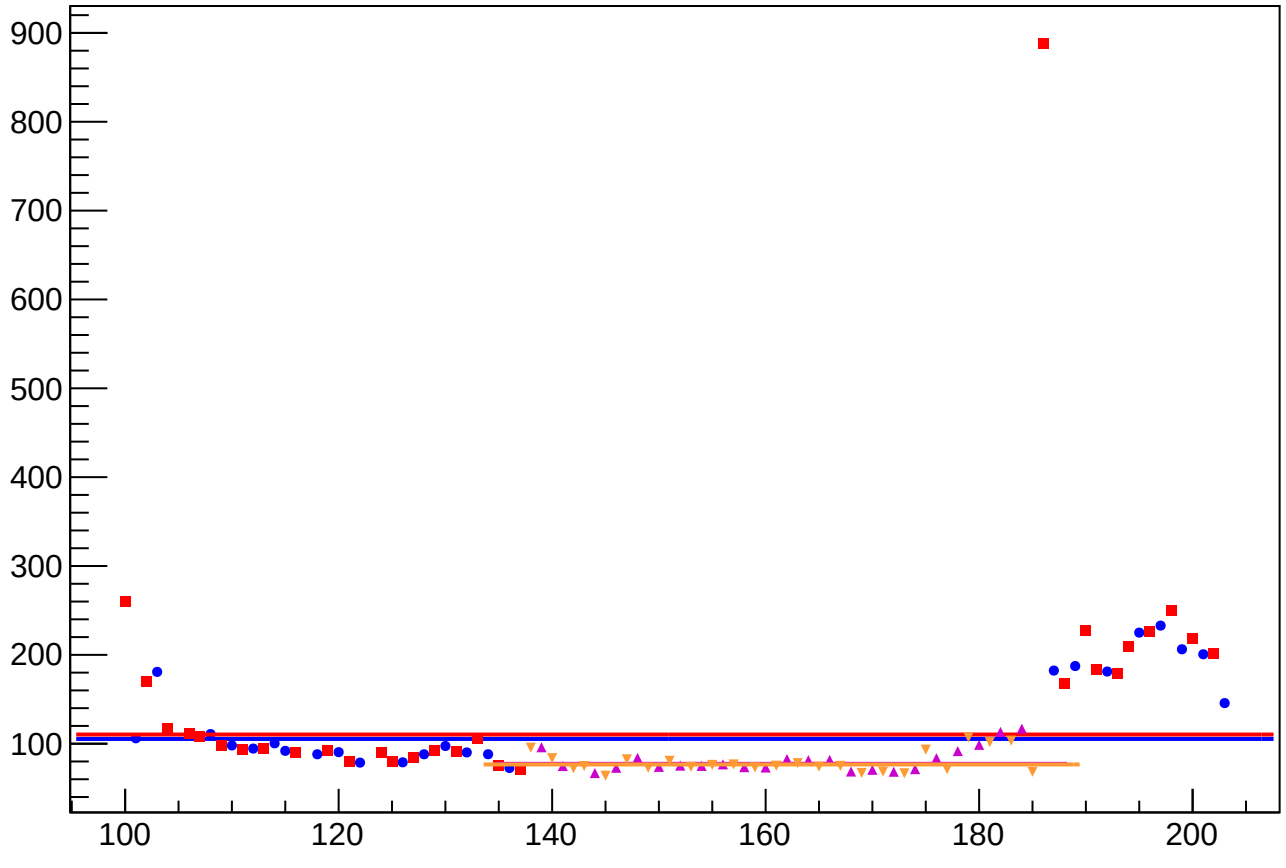
Left: 53.525+/-12.716 χ^2/NDF: 62.3/47

Right: 15.151+/-22.386 χ^2/NDF: 68.1/52

In: 50.434+/-15.825 χ^2/NDF:54.5/46

Out: 38.185+/-15.454 χ^2/NDF:77.8/53

All: 44.164+/-11.057 χ^2/NDF: 132.6/100



Right In: 105.358+/-0.022 χ^2/NDF: 3413709.1/23

Left Out: 76.646+/-0.012 χ^2/NDF:654608.7/24

Right Out: 110.331+/-0.023 χ^2/NDF: 4549348.2/28

Left In: 77.348+/-0.013 χ^2/NDF:590414.8/22

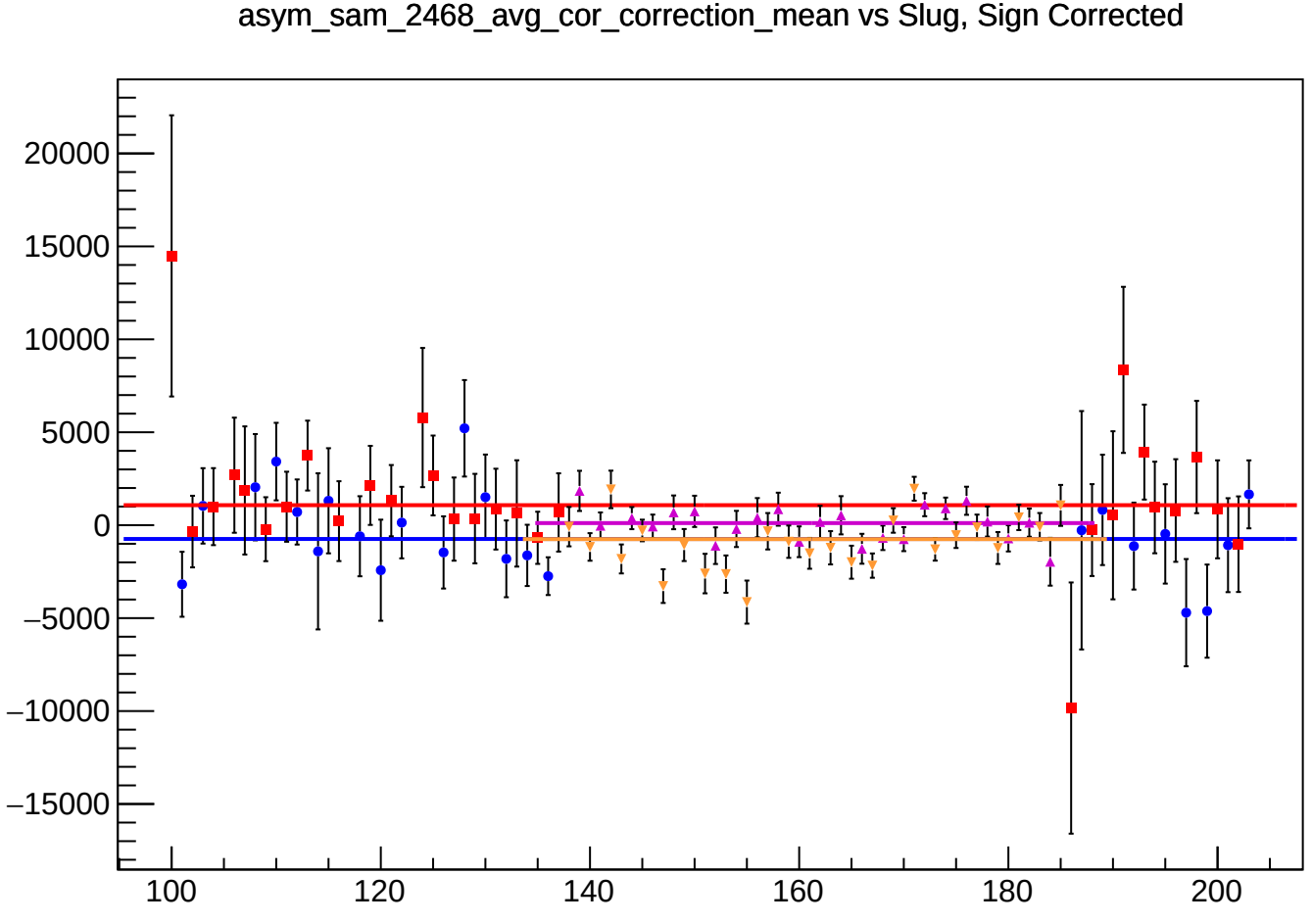
Left: 76.985+/-0.009 χ^2/NDF: 1246545.1/47

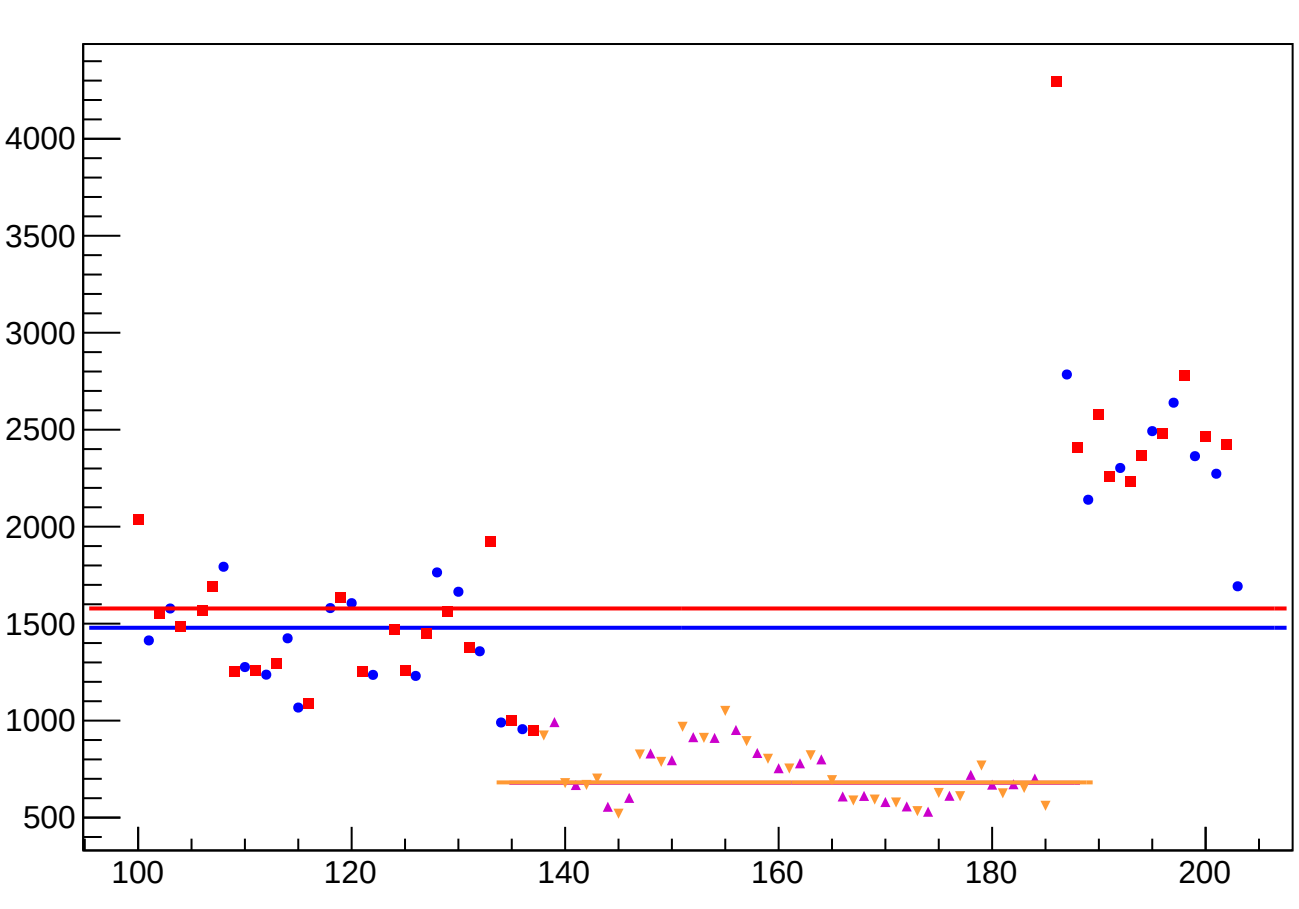
Right: 107.808+/-0.016 χ^2/NDF: 7987732.0/52

In: 84.450+/-0.011 χ^2/NDF:5189899.7/46

Out: 84.555+/-0.011 χ^2/NDF:6911153.4/53

All: 84.504+/-0.008 χ^2/NDF: 12101098.0/100


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: -741.682+/-429.489 χ²/NDF: 26.6/23
Left Out: -749.632+/-158.081 χ²/NDF:70.0/24
Right Out: 1077.102+/-439.088 χ²/NDF: 19.2/28
Left In: 113.799+/-161.809 χ²/NDF:25.1/22
Left: -327.978+/-113.075 χ²/NDF: 109.6/47
Right: 147.612+/-307.032 χ²/NDF: 54.6/52
In: 7.466+/-151.419 χ²/NDF:55.2/46
Out: -540.028+/-148.735 χ²/NDF:104.5/53
All: -271.176+/-106.108 χ²/NDF: 166.4/100



Right In: 1478.752+/-0.304 χ^2/NDF: 2470140.0/23

Left Out: 681.426+/-0.112 χ^2/NDF:1334214.9/24

Right Out: 1578.258+/-0.310 χ^2/NDF: 2969344.3/28

Left In: 679.414+/-0.114 χ^2/NDF:1185265.0/22

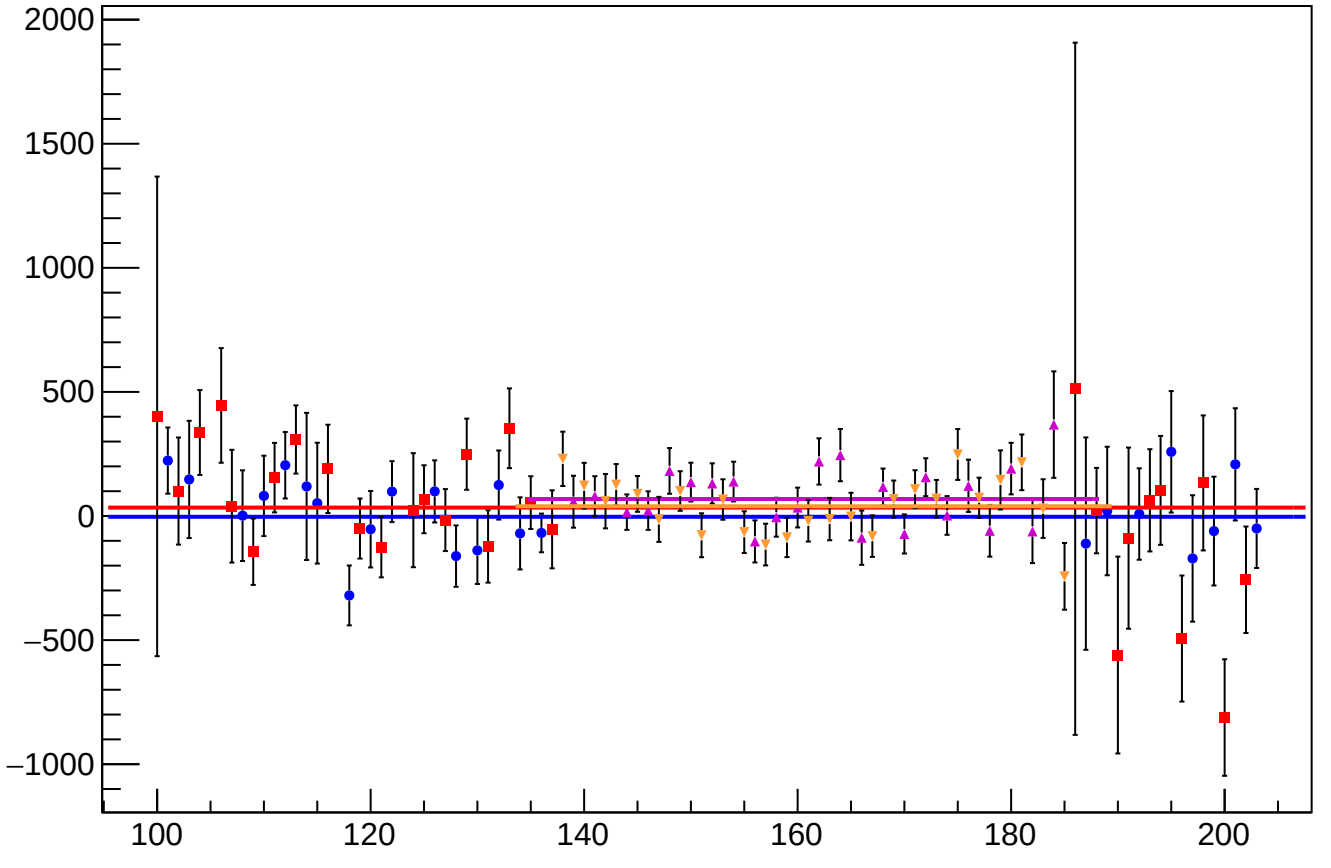
Left: 680.443+/-0.080 χ^2/NDF: 2519638.2/47

Right: 1527.405+/-0.217 χ^2/NDF: 5491975.3/52

In: 778.769+/-0.107 χ^2/NDF:9721987.1/46

Out: 784.331+/-0.105 χ^2/NDF:11689698.5/53

All: 781.600+/-0.075 χ^2/NDF: 21413059.4/10



Right In: -3.104+/-31.428 χ^2/NDF: 21.6/23

Left Out: 39.484+/-17.666 χ^2/NDF:31.9/24

Right Out: 33.951+/-31.894 χ^2/NDF: 45.8/28

Left In: 68.620+/-18.317 χ^2/NDF:29.0/22

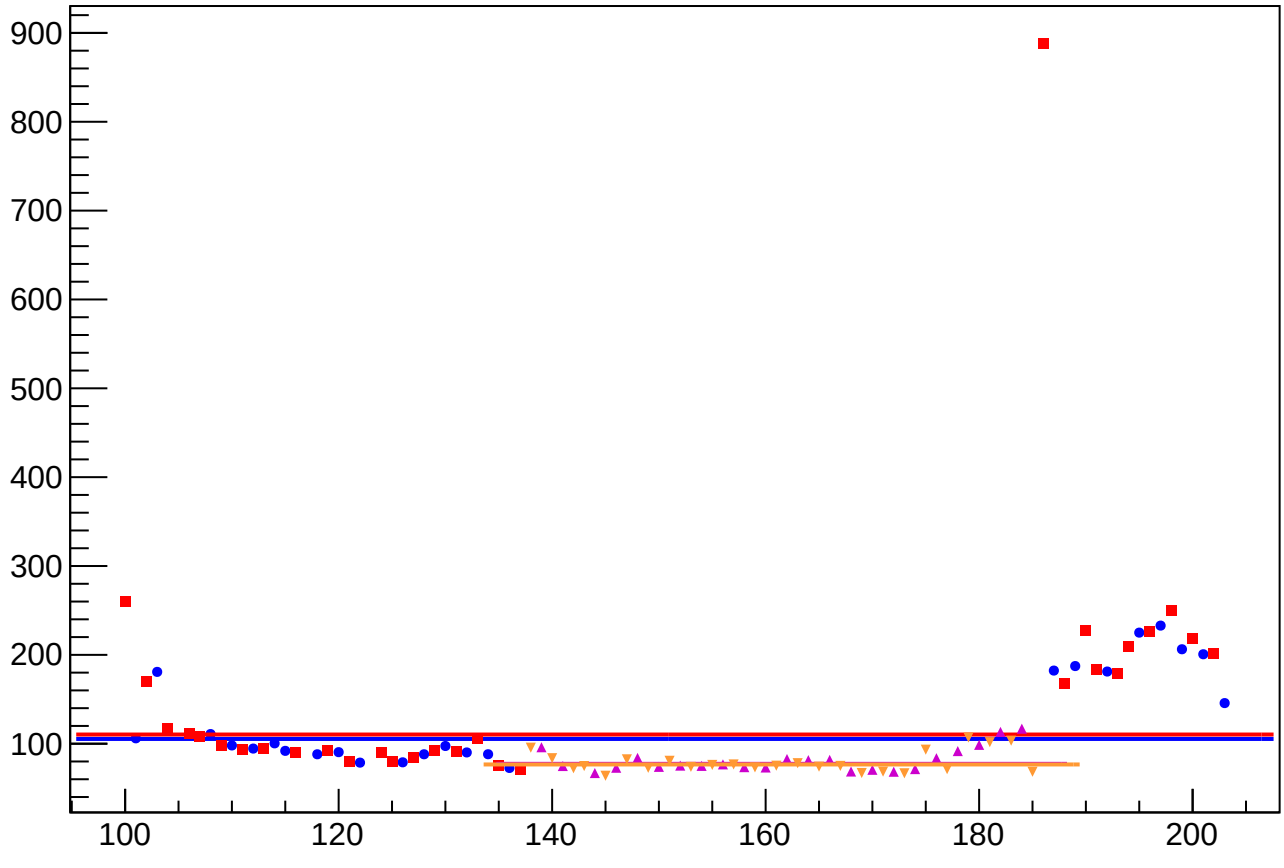
Left: 53.525+/-12.716 χ^2/NDF: 62.3/47

Right: 15.151+/-22.386 χ^2/NDF: 68.1/52

In: 50.434+/-15.825 χ^2/NDF:54.5/46

Out: 38.185+/-15.454 χ^2/NDF:77.8/53

All: 44.164+/-11.057 χ^2/NDF: 132.6/100



Right In: 105.358+/-0.022 χ^2/NDF: 3413709.1/23

Left Out: 76.646+/-0.012 χ^2/NDF:654608.7/24

Right Out: 110.331+/-0.023 χ^2/NDF: 4549348.2/28

Left In: 77.348+/-0.013 χ^2/NDF:590414.8/22

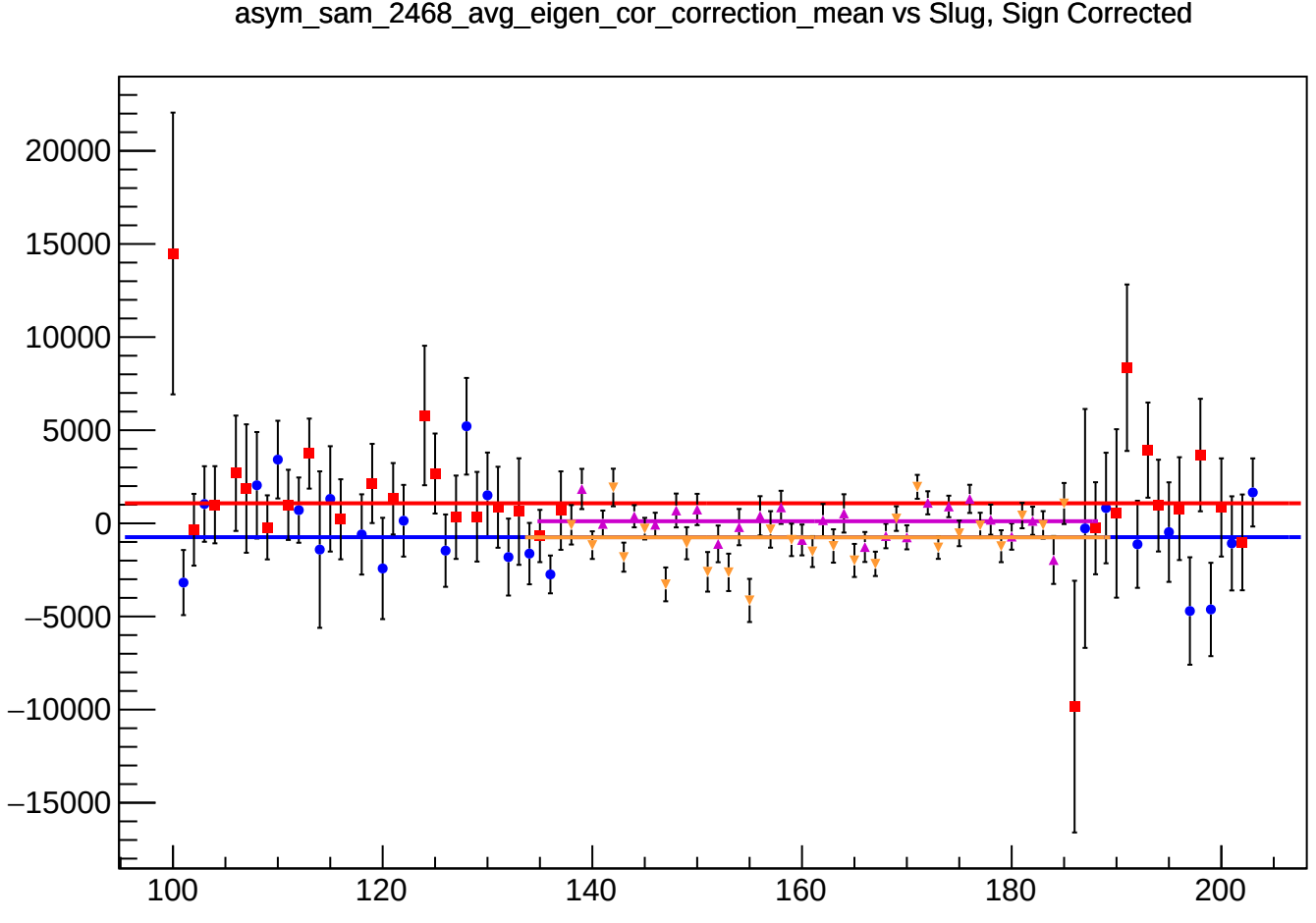
Left: 76.985+/-0.009 χ^2/NDF: 1246545.1/47

Right: 107.808+/-0.016 χ^2/NDF: 7987732.0/52

In: 84.450+/-0.011 χ^2/NDF:5189899.7/46

Out: 84.555+/-0.011 χ^2/NDF:6911153.4/53

All: 84.504+/-0.008 χ^2/NDF: 12101098.0/100



Right In: -741.682+/-429.489 χ^2/NDF: 26.6/23

Left Out: -749.632+/-158.081 χ^2/NDF:70.0/24

Right Out: 1077.102+/-439.088 χ^2/NDF: 19.2/28

Left In: 113.799+/-161.809 χ^2/NDF:25.1/22

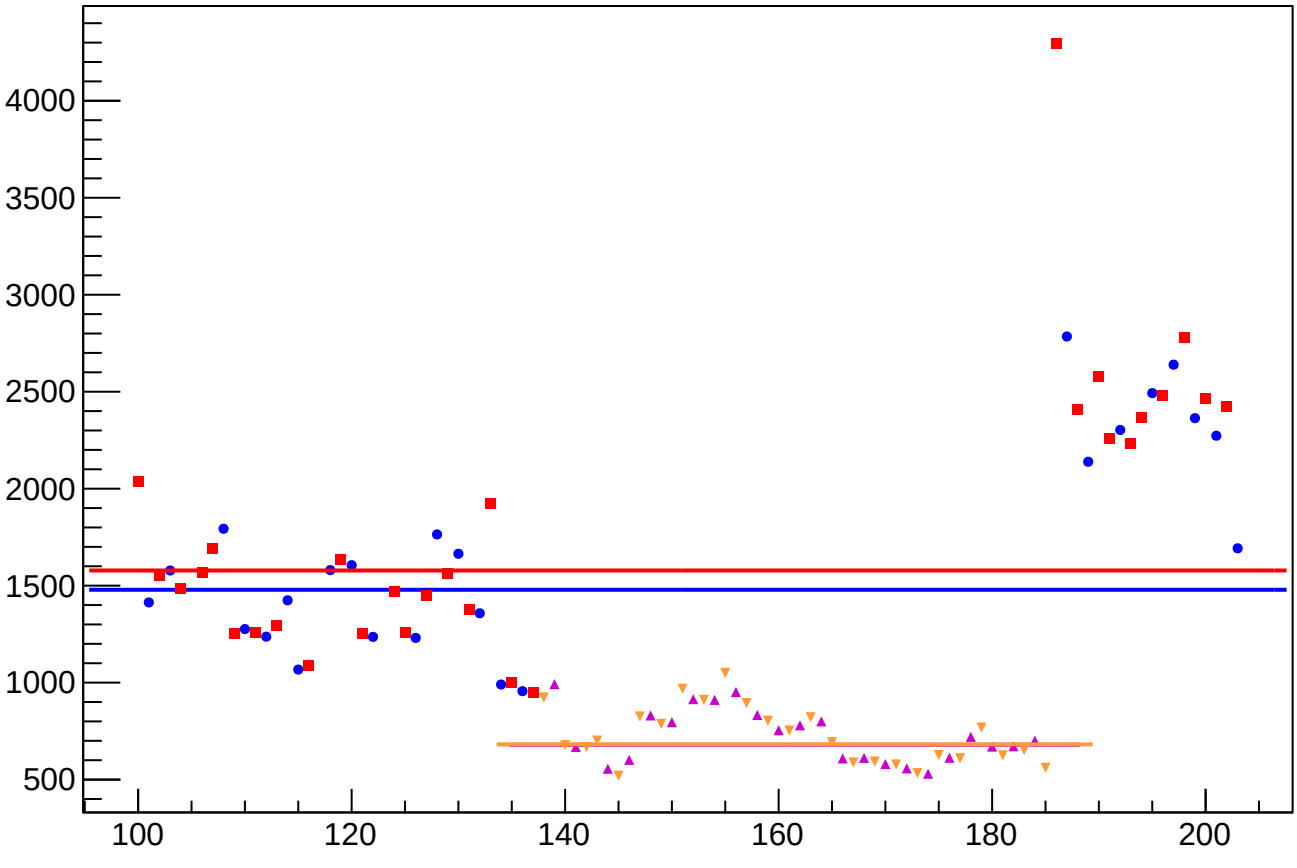
Left: -327.978+/-113.075 χ^2/NDF: 109.6/47

Right: 147.612+/-307.032 χ^2/NDF: 54.6/52

In: 7.466+/-151.419 χ^2/NDF:55.2/46

Out: -540.028+/-148.735 χ^2/NDF:104.5/53

All: -271.176+/-106.108 χ^2/NDF: 166.4/100



Right In: 1478.752+/-0.304 χ^2/NDF: 2470140.0/23

Left Out: 681.426+/-0.112 χ^2/NDF:1334214.9/24

Right Out: 1578.258+/-0.310 χ^2/NDF: 2969344.3/28

Left In: 679.414+/-0.114 χ^2/NDF:1185265.0/22

Left: 680.443+/-0.080 χ^2/NDF: 2519638.2/47

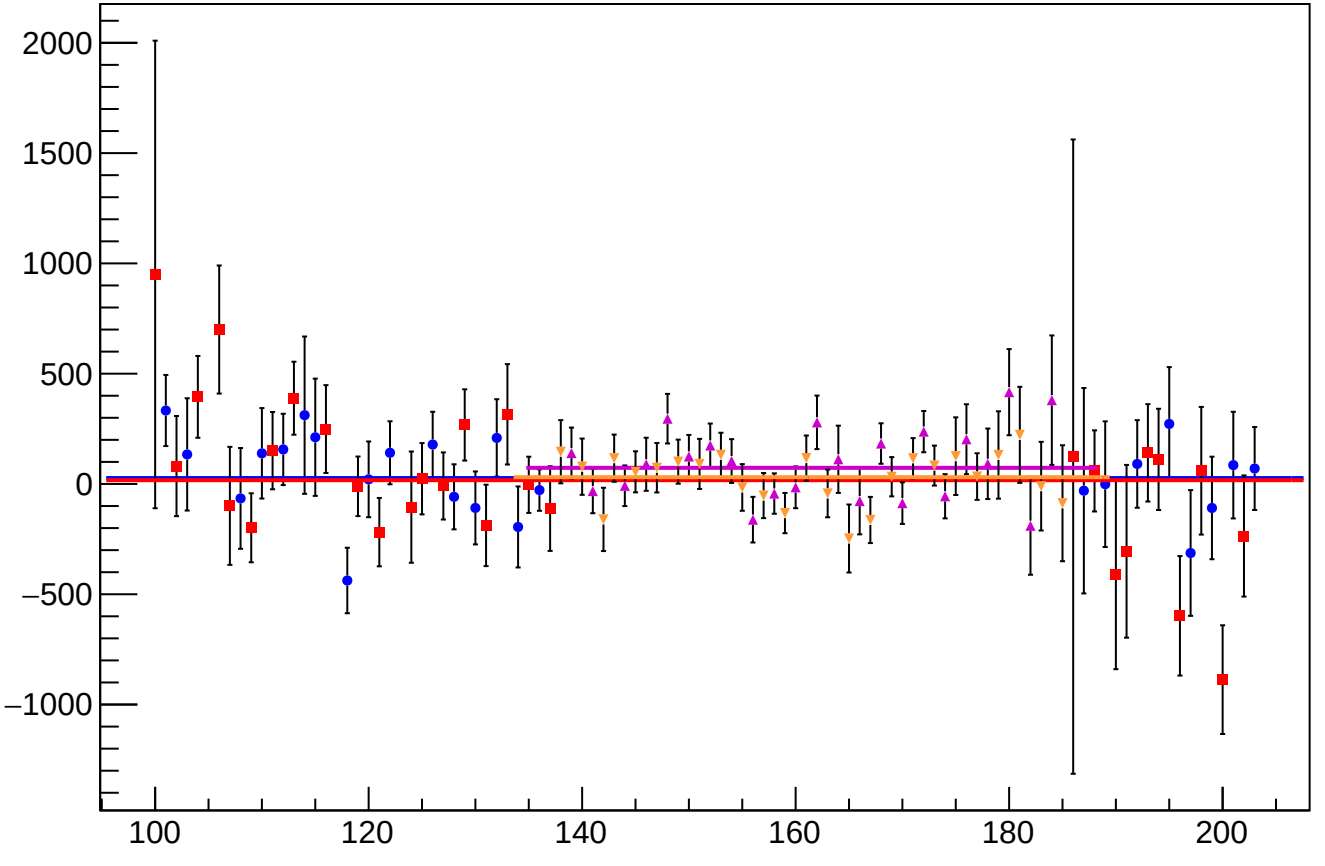
Right: 1527.405+/-0.217 χ^2/NDF: 5491975.3/52

In: 778.769+/-0.107 χ^2/NDF:9721987.1/46

Out: 784.331+/-0.105 χ^2/NDF:11689698.5/53

All: 781.600+/-0.075 χ^2/NDF: 21413059.4/10

dit_asym_sam_2468_avg_mean vs Slug, Sign Corrected



Right In: 26.704+/-37.212 χ^2/NDF: 24.3/23

Left Out: 30.684+/-22.856 χ^2/NDF:19.9/24

Right Out: 17.125+/-37.354 χ^2/NDF: 49.8/28

Left In: 73.147+/-23.510 χ^2/NDF:34.5/22

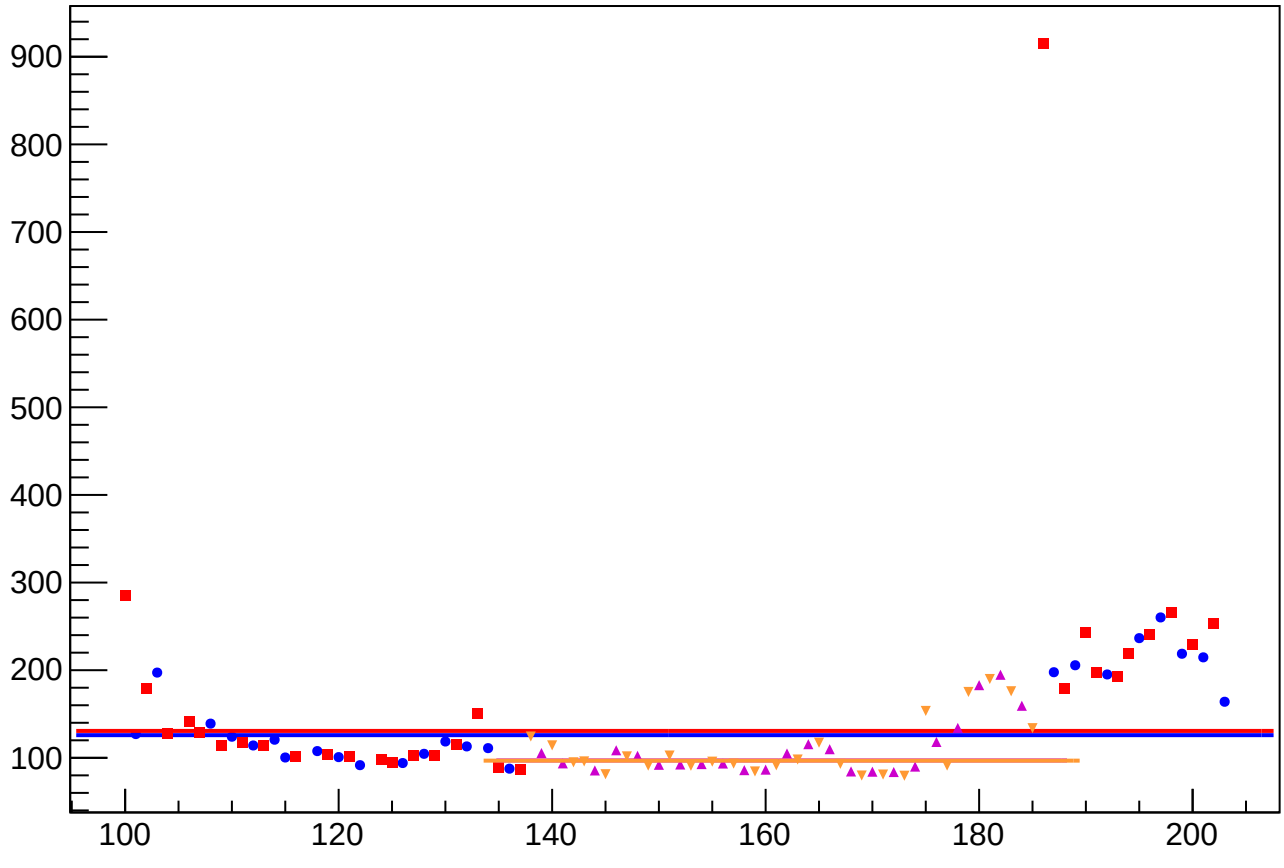
Left: 51.316+/-16.388 χ^2/NDF: 56.1/47

Right: 21.932+/-26.363 χ^2/NDF: 74.1/52

In: 59.898+/-19.876 χ^2/NDF:59.9/46

Out: 26.990+/-19.496 χ^2/NDF:69.8/53

All: 43.126+/-13.918 χ^2/NDF: 131.1/100



Right In: 125.877+/-0.026 χ^2/NDF: 2805872.7/23

Left Out: 96.794+/-0.016 χ^2/NDF:1720415.9/24

Right Out: 130.716+/-0.026 χ^2/NDF: 3866618.4/28

Left In: 97.017+/-0.017 χ^2/NDF:1321187.5/22

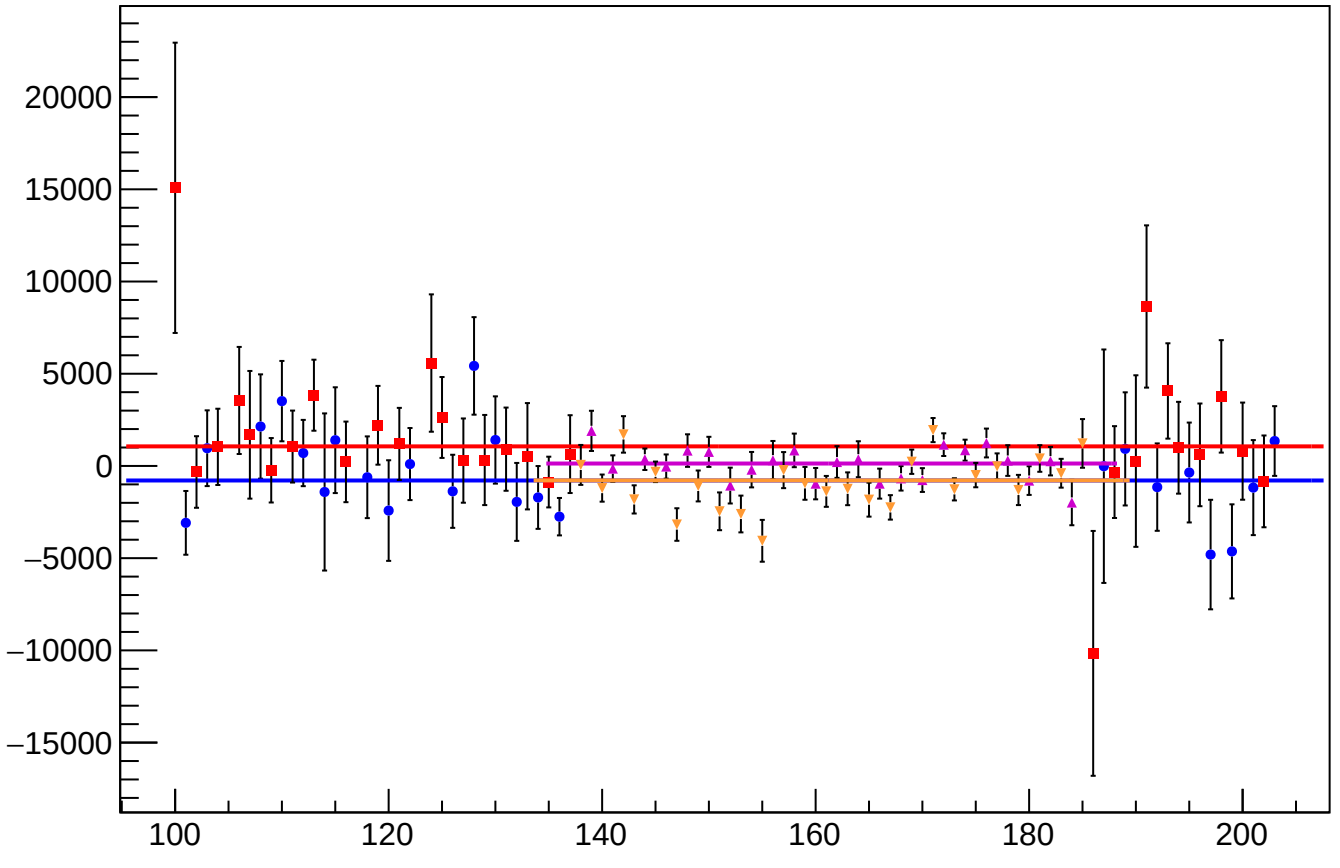
Left: 96.902+/-0.012 χ^2/NDF: 3041695.3/47

Right: 128.287+/-0.019 χ^2/NDF: 6689337.3/52

In: 105.250+/-0.014 χ^2/NDF:4986843.5/46

Out: 106.035+/-0.014 χ^2/NDF:6787090.7/53

All: 105.650+/-0.010 χ^2/NDF: 11775523.1/10



Right In: -788.158+/-436.290 χ^2/NDF: 25.9/23

Left Out: -783.756+/-158.329 χ^2/NDF:66.3/24

Right Out: 1061.305+/-442.230 χ^2/NDF: 20.7/28

Left In: 131.380+/-162.409 χ^2/NDF:24.3/22

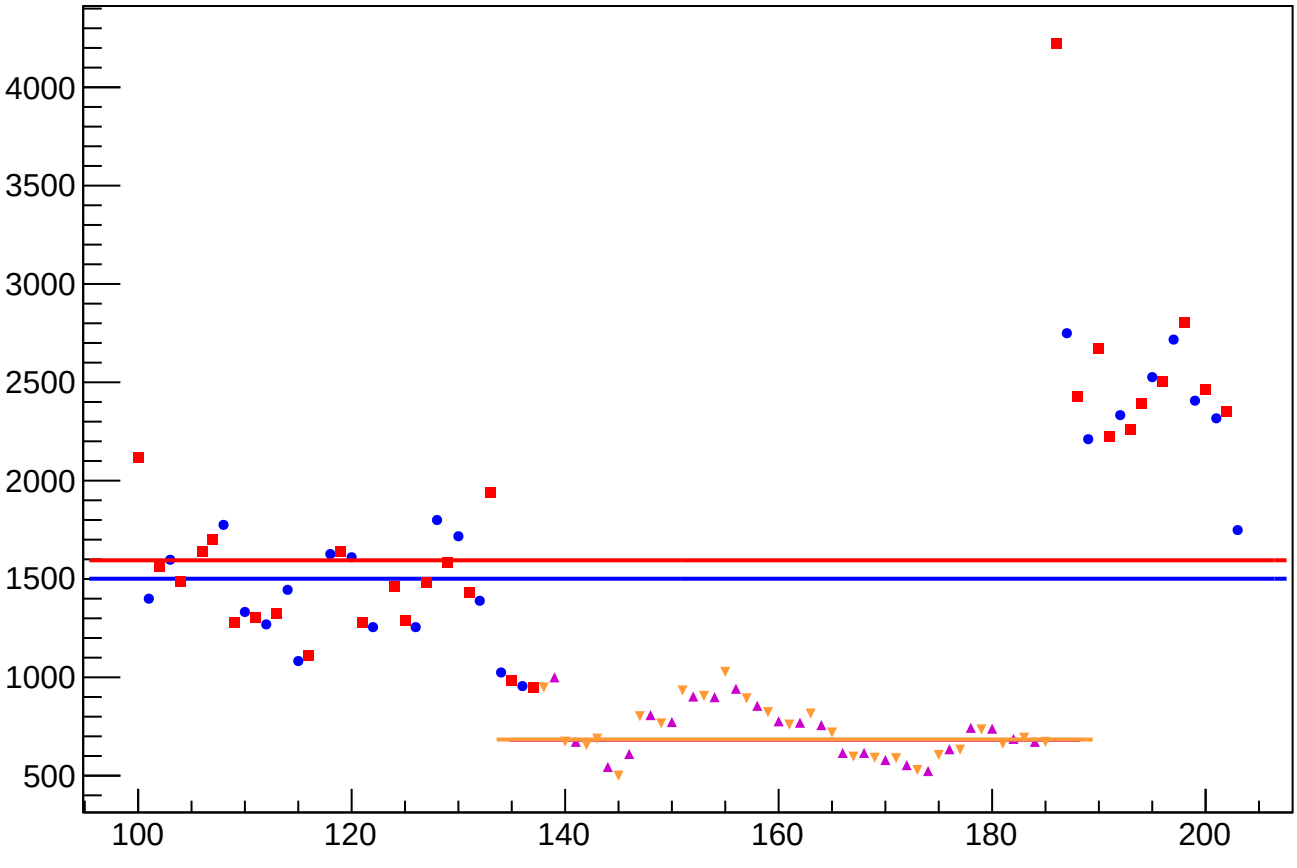
Left: -337.829+/-113.371 χ^2/NDF: 106.9/47

Right: 124.068+/-310.582 χ^2/NDF: 55.5/52

In: 19.467+/-152.206 χ^2/NDF:54.1/46

Out: -574.125+/-149.063 χ^2/NDF:102.5/53

All: -283.520+/-106.497 χ^2/NDF: 164.3/100



Right In: 1501.337+/-0.309 χ^2/NDF: 2513407.1/23

Left Out: 683.698+/-0.112 χ^2/NDF:1297969.4/24

Right Out: 1595.071+/-0.313 χ^2/NDF: 2941571.4/28

Left In: 681.961+/-0.115 χ^2/NDF:1186135.0/22

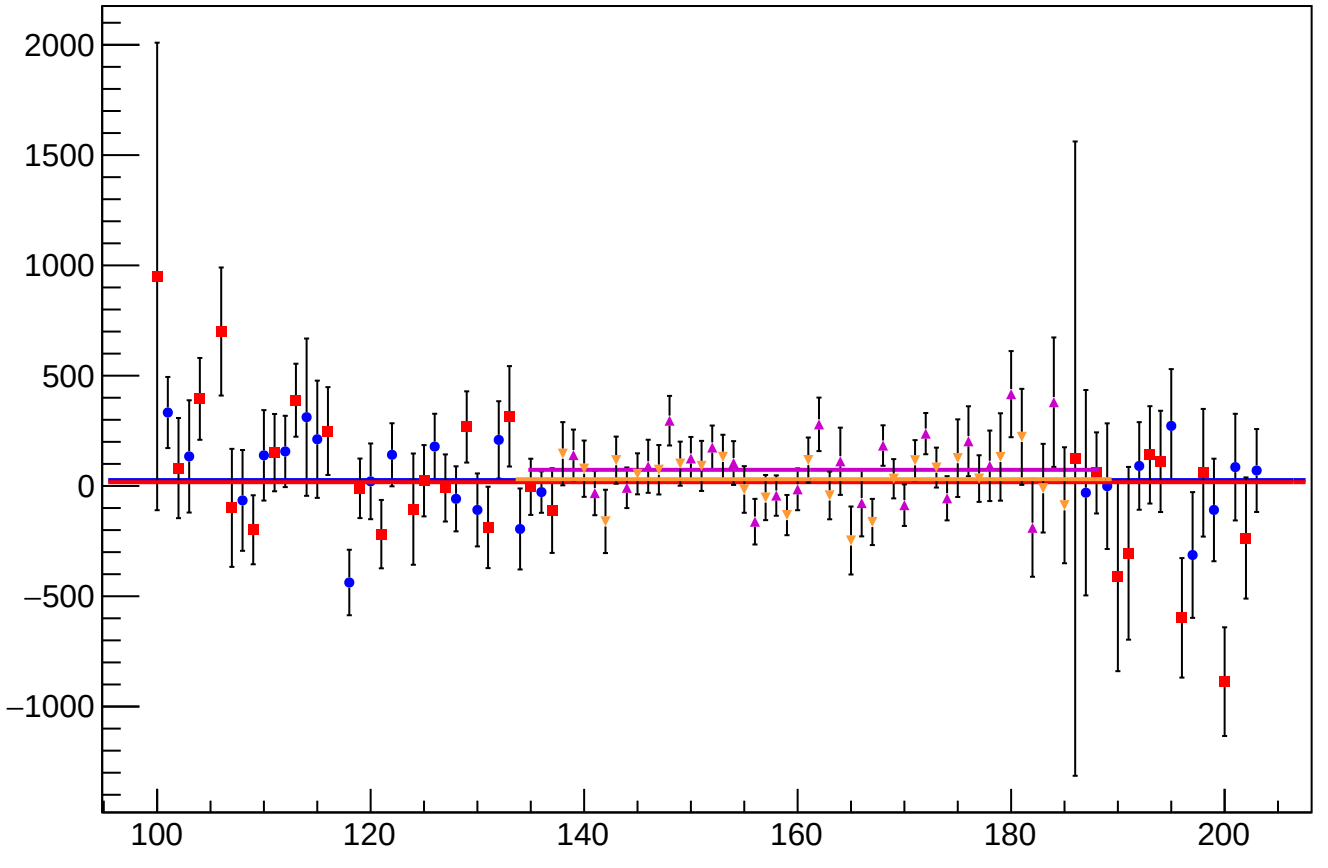
Left: 682.852+/-0.080 χ^2/NDF: 2484221.6/47

Right: 1547.570+/-0.220 χ^2/NDF: 5500512.0/52

In: 781.685+/-0.108 χ^2/NDF:9895181.6/46

Out: 787.245+/-0.105 χ^2/NDF:11768708.5/53

All: 784.523+/-0.075 χ^2/NDF: 21665252.8/10



Right In: 26.704+/-37.212 χ^2/NDF: 24.3/23

Left Out: 30.684+/-22.856 χ^2/NDF:19.9/24

Right Out: 17.124+/-37.354 χ^2/NDF: 49.8/28

Left In: 73.146+/-23.510 χ^2/NDF:34.5/22

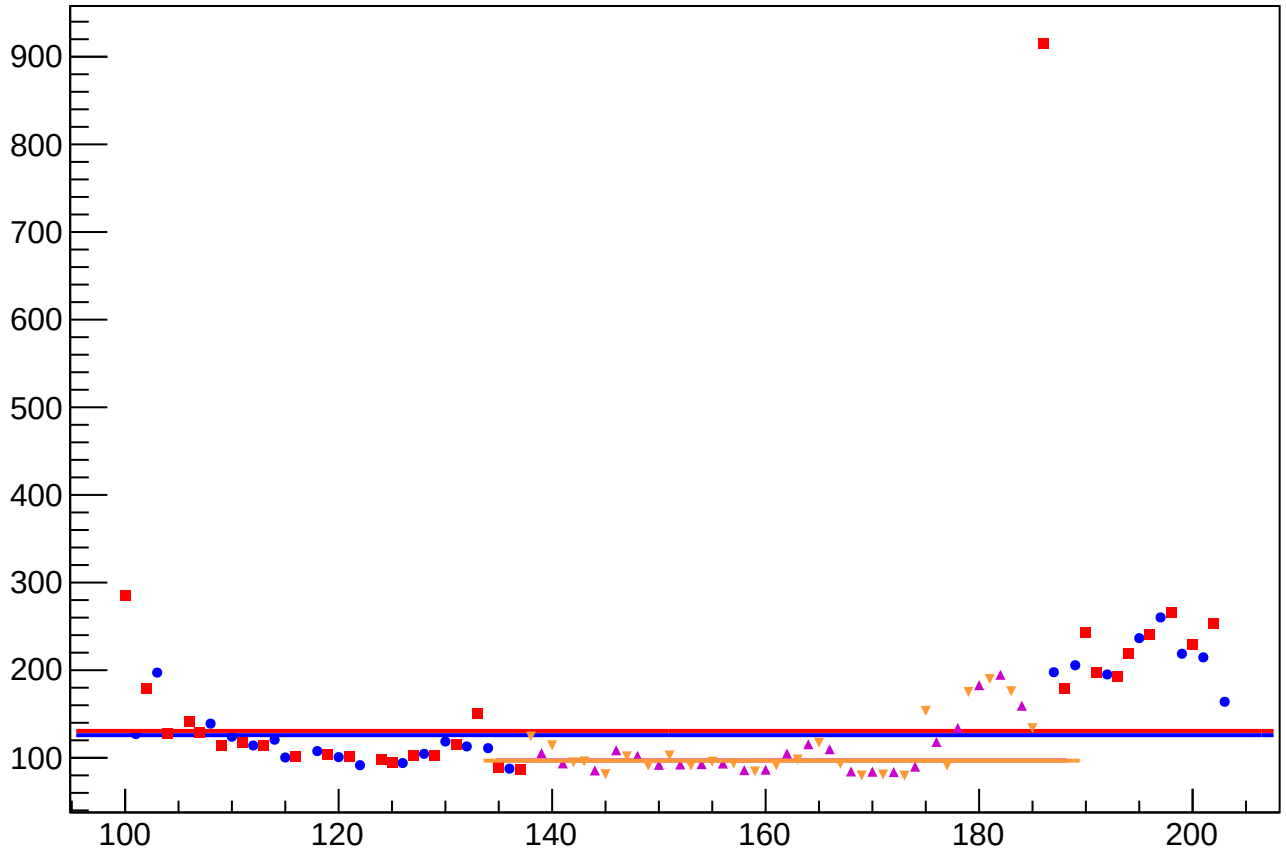
Left: 51.316+/-16.388 χ^2/NDF: 56.1/47

Right: 21.932+/-26.363 χ^2/NDF: 74.1/52

In: 59.897+/-19.876 χ^2/NDF:59.9/46

Out: 26.990+/-19.496 χ^2/NDF:69.8/53

All: 43.126+/-13.918 χ^2/NDF: 131.1/100



Right In: 125.876+/-0.026 χ^2/NDF: 2805889.2/23

Left Out: 96.795+/-0.016 χ^2/NDF:1720415.9/24

Right Out: 130.715+/-0.026 χ^2/NDF: 3866652.8/28

Left In: 97.017+/-0.017 χ^2/NDF:1321171.2/22

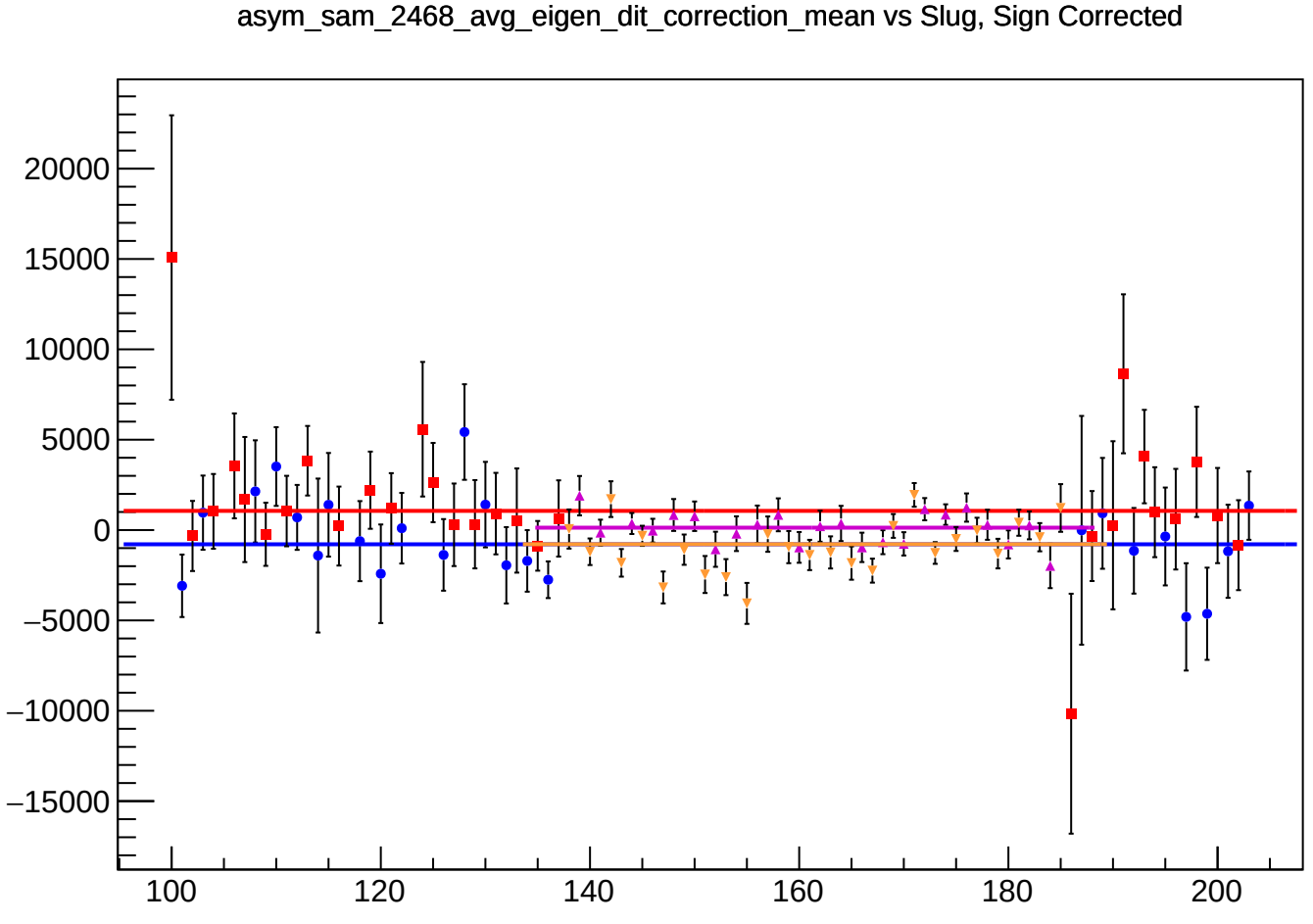
Left: 96.903+/-0.012 χ^2/NDF: 3041679.0/47

Right: 128.286+/-0.019 χ^2/NDF: 6689389.1/52

In: 105.250+/-0.014 χ^2/NDF:4986781.7/46

Out: 106.035+/-0.014 χ^2/NDF:6787059.5/53

All: 105.650+/-0.010 χ^2/NDF: 11775430.2/10



Right In: -788.153+/-436.289 χ^2/NDF: 25.9/23

Left Out: -783.754+/-158.328 χ^2/NDF:66.3/24

Right Out: 1061.305+/-442.229 χ^2/NDF: 20.7/28

Left In: 131.379+/-162.409 χ^2/NDF:24.3/22

Left: -337.829+/-113.370 χ^2/NDF: 106.9/47

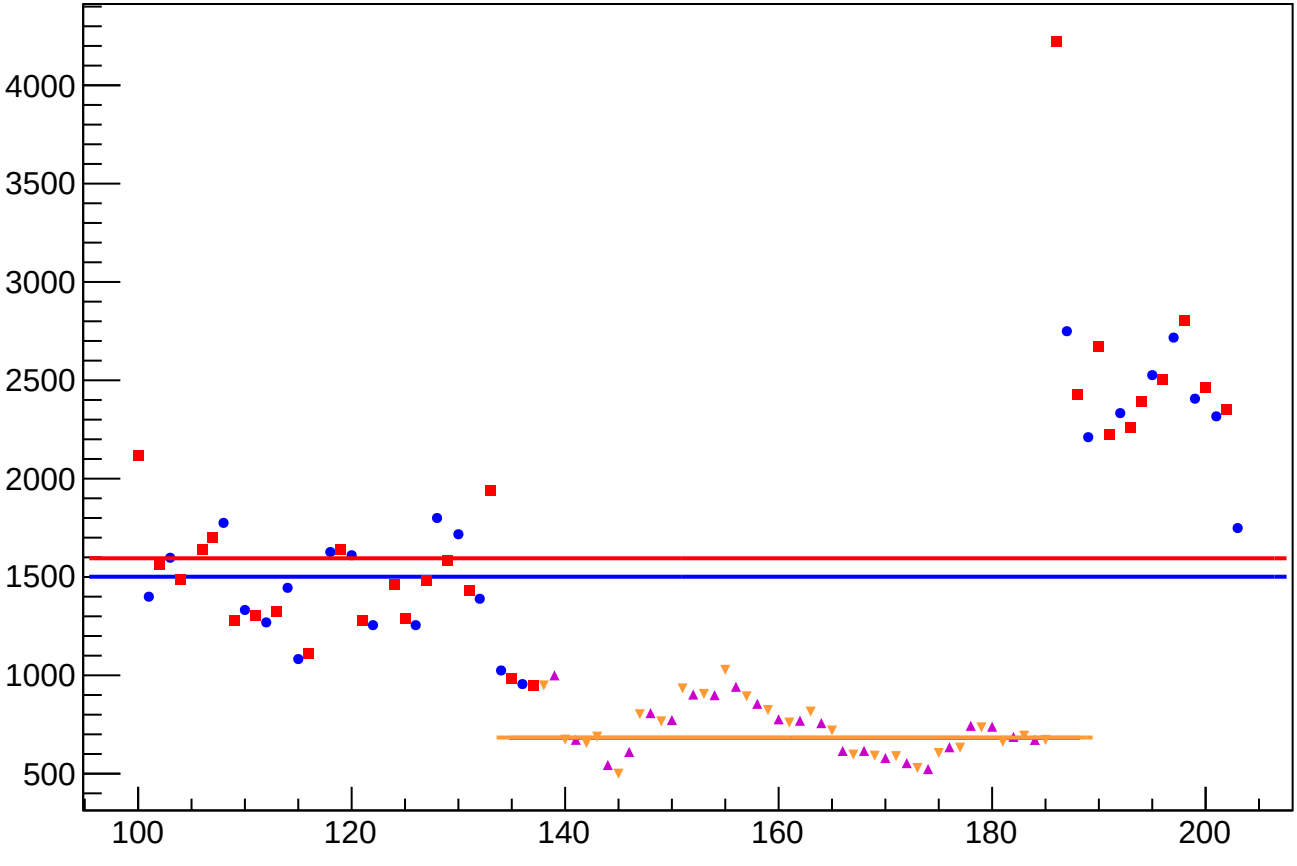
Right: 124.070+/-310.582 χ^2/NDF: 55.5/52

In: 19.467+/-152.205 χ^2/NDF:54.1/46

Out: -574.124+/-149.063 χ^2/NDF:102.5/53

All: -283.520+/-106.497 χ^2/NDF: 164.3/100

asym_sam_2468_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 1501.334+/-0.309 χ^2/NDF: 2513412.4/23

Left Out: 683.696+/-0.112 χ^2/NDF:1297975.5/24

Right Out: 1595.068+/-0.313 χ^2/NDF: 2941580.6/28

Left In: 681.960+/-0.115 χ^2/NDF:1186136.6/22

Left: 682.850+/-0.080 χ^2/NDF: 2484229.4/47

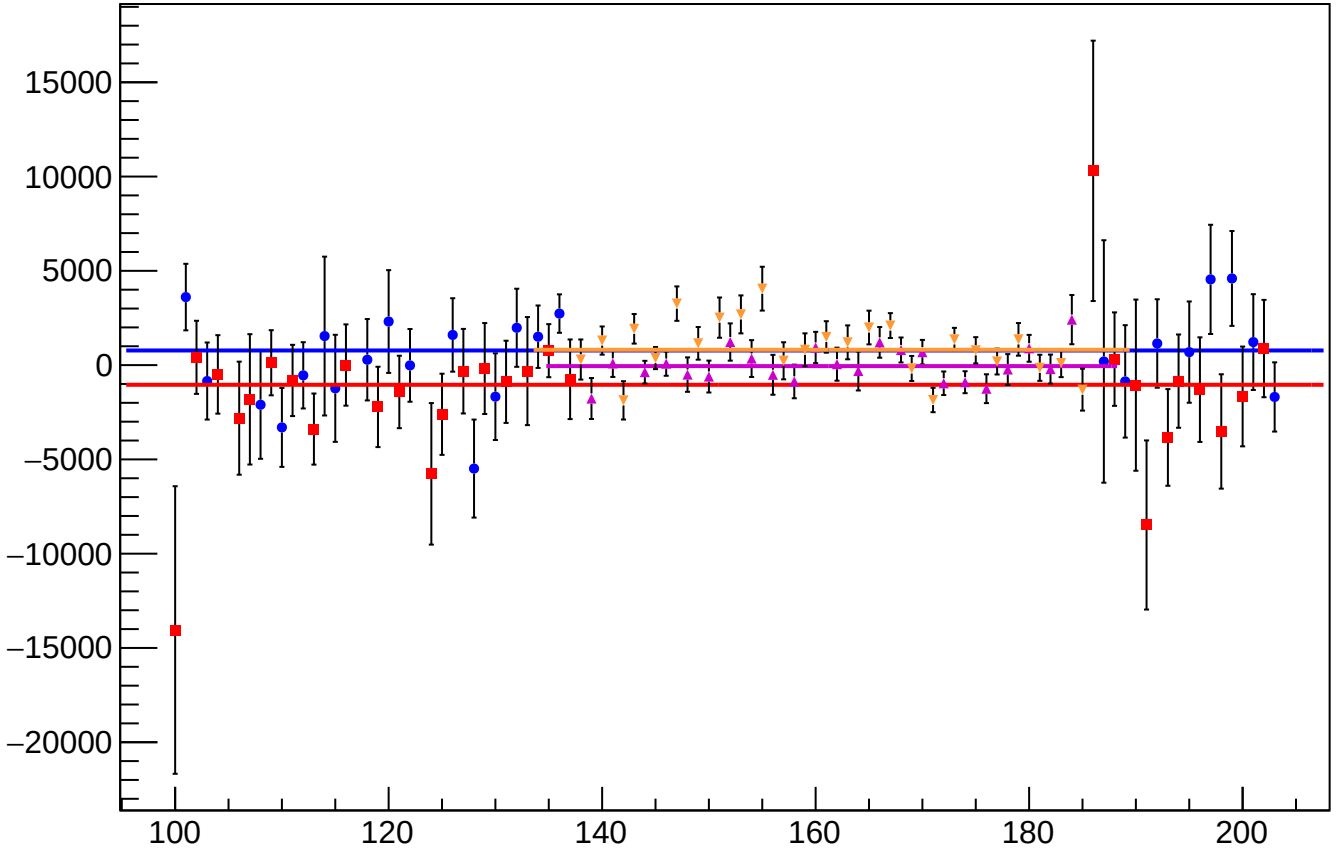
Right: 1547.567+/-0.220 χ^2/NDF: 5500526.3/52

In: 781.683+/-0.108 χ^2/NDF:9895188.7/46

Out: 787.244+/-0.105 χ^2/NDF:11768721.4/53

All: 784.521+/-0.075 χ^2/NDF: 21665272.7/10

asym_sam_2468_avg_mean vs Slug, Sign Corrected



Right In: 776.492+/-431.084 χ^2/NDF: 27.2/23

Left Out: 814.067+/-159.256 χ^2/NDF:65.8/24

Right Out: -1043.255+/-440.198 χ^2/NDF: 18.9/28

Left In: -52.290+/-163.036 χ^2/NDF:25.4/22

Left: 391.048+/-113.924 χ^2/NDF: 105.6/47

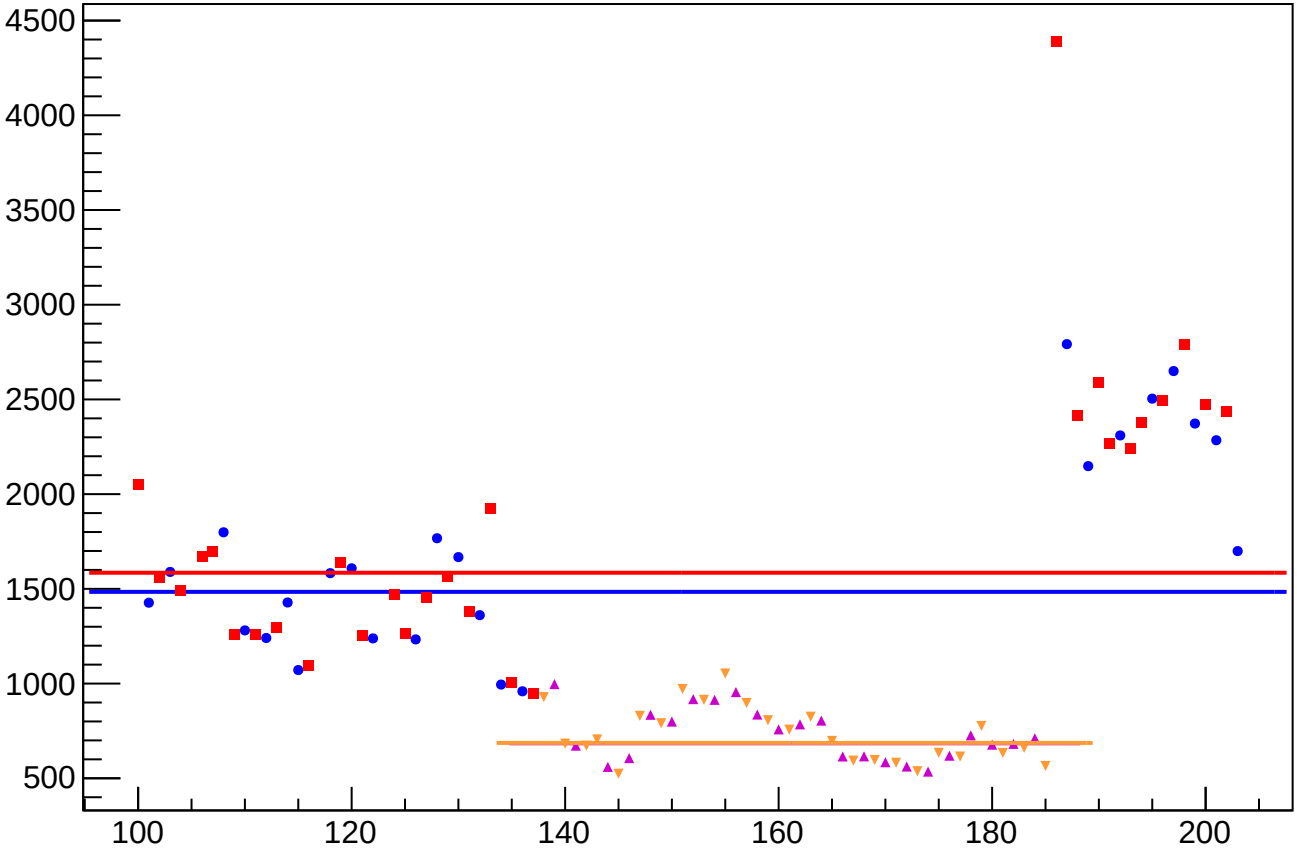
Right: -114.348+/-307.994 χ^2/NDF: 54.7/52

In: 51.421+/-152.494 χ^2/NDF:55.8/46

Out: 599.104+/-149.757 χ^2/NDF:100.4/53

All: 330.222+/-106.849 χ^2/NDF: 162.7/100

asym_sam_2468_avg_rms vs Slug, Sign Corrected



Right In: 1484.212+/-0.305 χ^2/NDF: 2472307.0/23

Left Out: 686.700+/-0.113 χ^2/NDF:1312231.8/24

Right Out: 1585.113+/-0.311 χ^2/NDF: 2983183.3/28

Left In: 684.763+/-0.115 χ^2/NDF:1165205.5/22

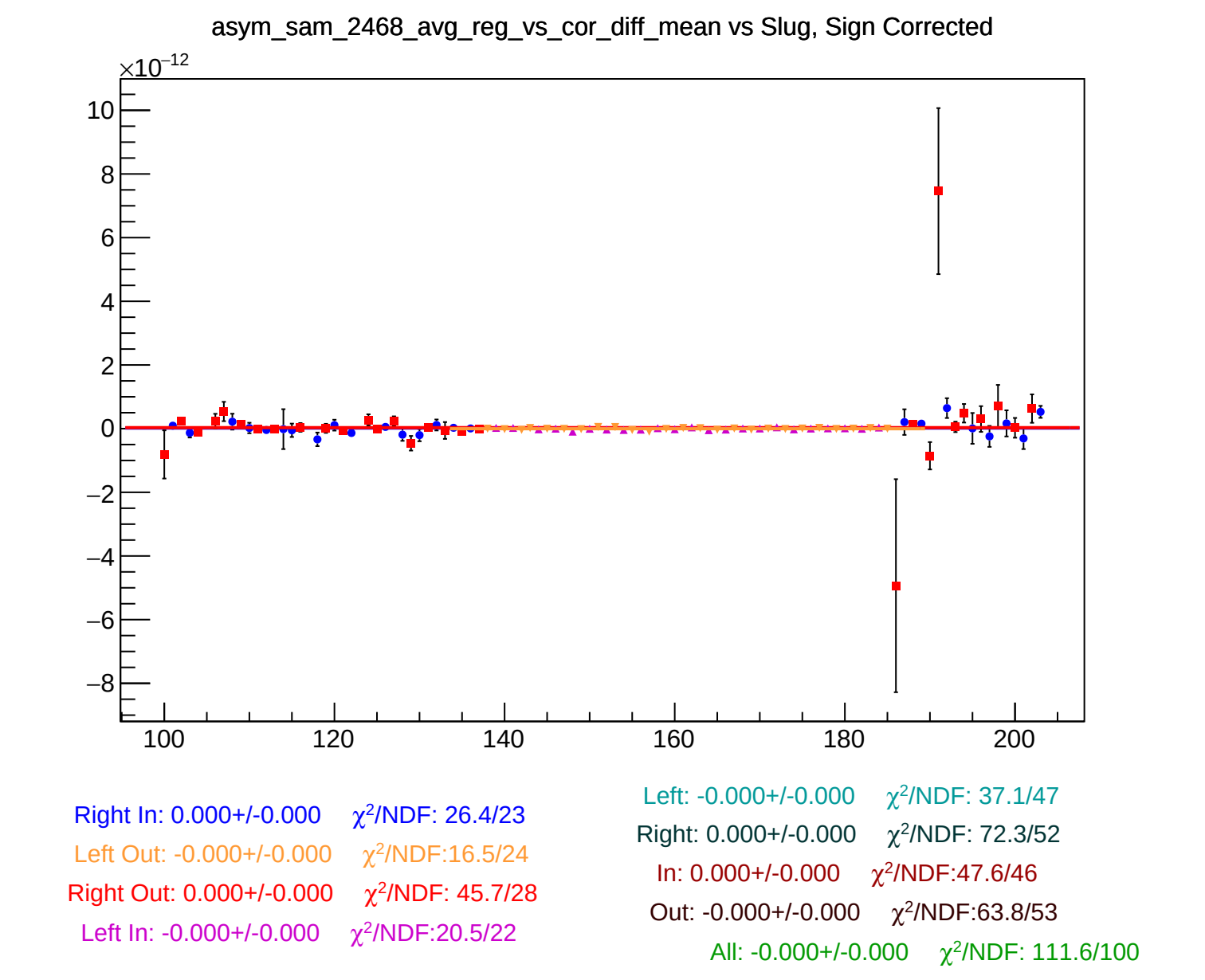
Left: 685.754+/-0.081 χ^2/NDF: 2477581.6/47

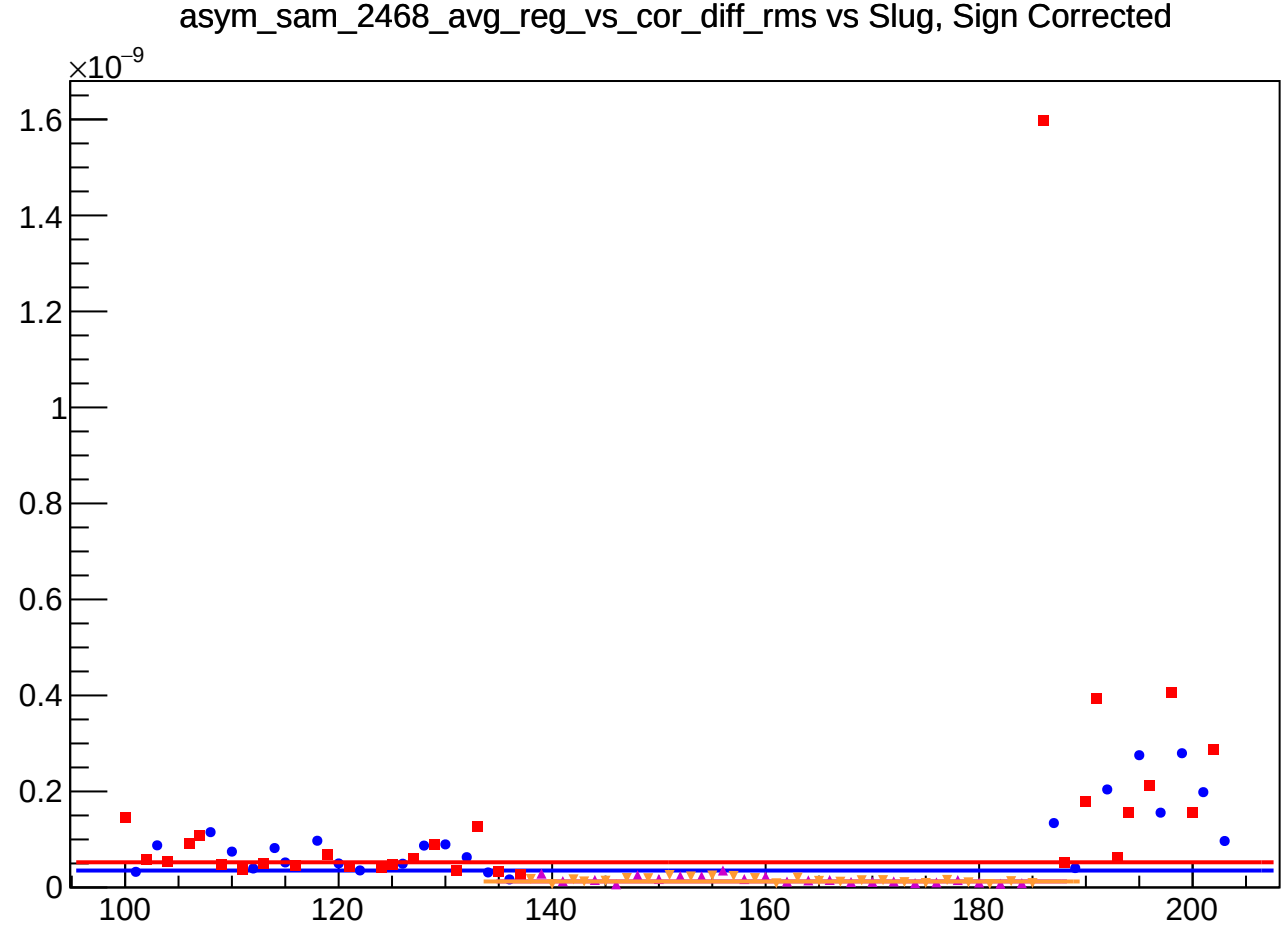
Right: 1533.607+/-0.218 χ^2/NDF: 5509129.7/52

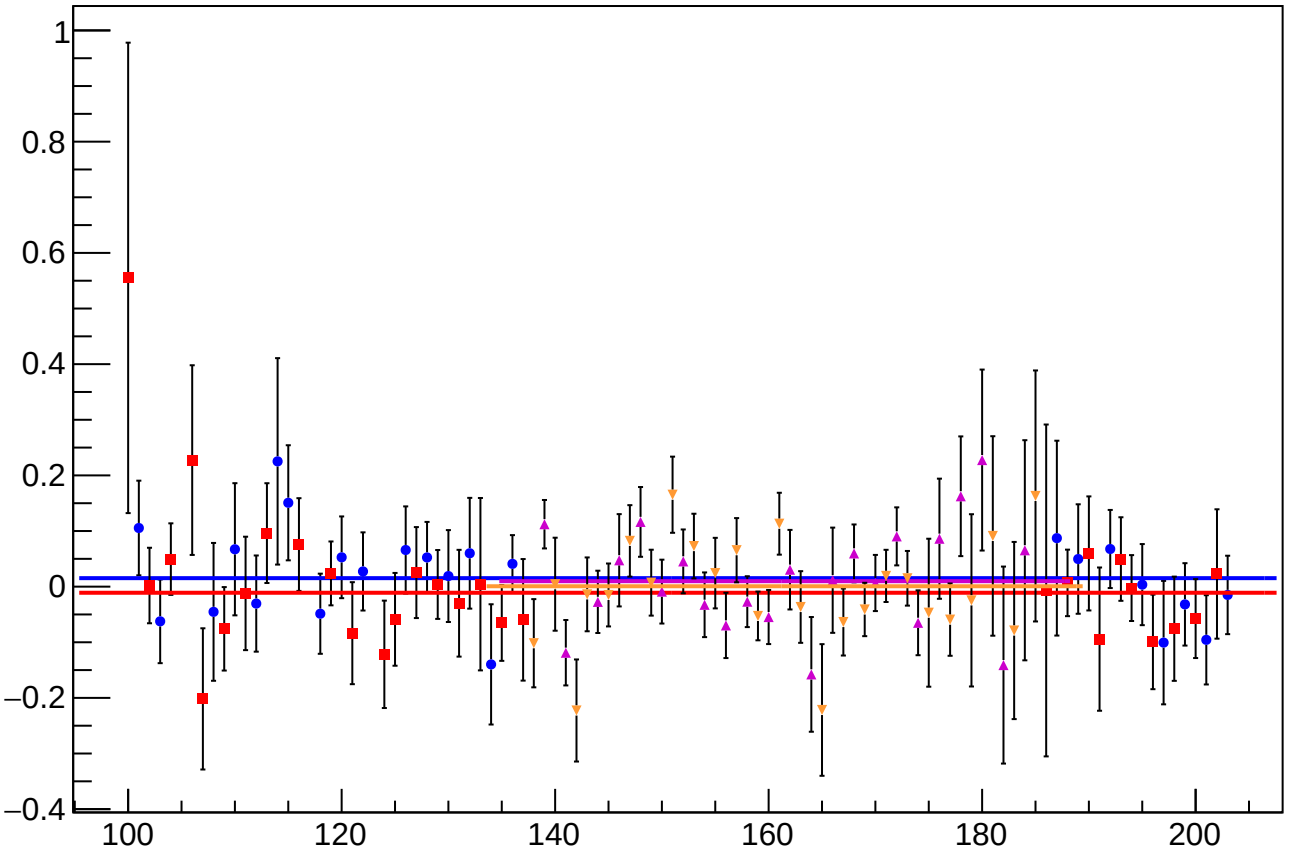
In: 784.803+/-0.108 χ^2/NDF:9655176.7/46

Out: 790.681+/-0.106 χ^2/NDF:11662013.6/53

All: 787.795+/-0.076 χ^2/NDF: 21318702.6/10


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: 26.4/23
Left Out: -0.000+/-0.000 χ²/NDF:16.5/24
Right Out: 0.000+/-0.000 χ²/NDF: 45.7/28
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: 72.3/52
In: 0.000+/-0.000 χ²/NDF:47.6/46
Out: -0.000+/-0.000 χ²/NDF:63.8/53
All: -0.000+/-0.000 χ²/NDF: 111.6/100


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: 4870805.3/23
Left Out: 0.000+/-0.000 χ²/NDF:1742020.0/24
Right Out: 0.000+/-0.000 χ²/NDF: 3330483.1/28
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: 8715171.6/52
In: 0.000+/-0.000 χ²/NDF:9025473.2/46
Out: 0.000+/-0.000 χ²/NDF:9389991.7/53
All: 0.000+/-0.000 χ²/NDF: 18415830.0/100



Right In: 0.015+/-0.017 χ^2/NDF: 14.7/23

Left Out: 0.001+/-0.013 χ^2/NDF:31.7/24

Right Out: -0.011+/-0.016 χ^2/NDF: 17.7/28

Left In: 0.010+/-0.013 χ^2/NDF:31.9/22

Left: 0.005+/-0.009 χ^2/NDF: 63.8/47

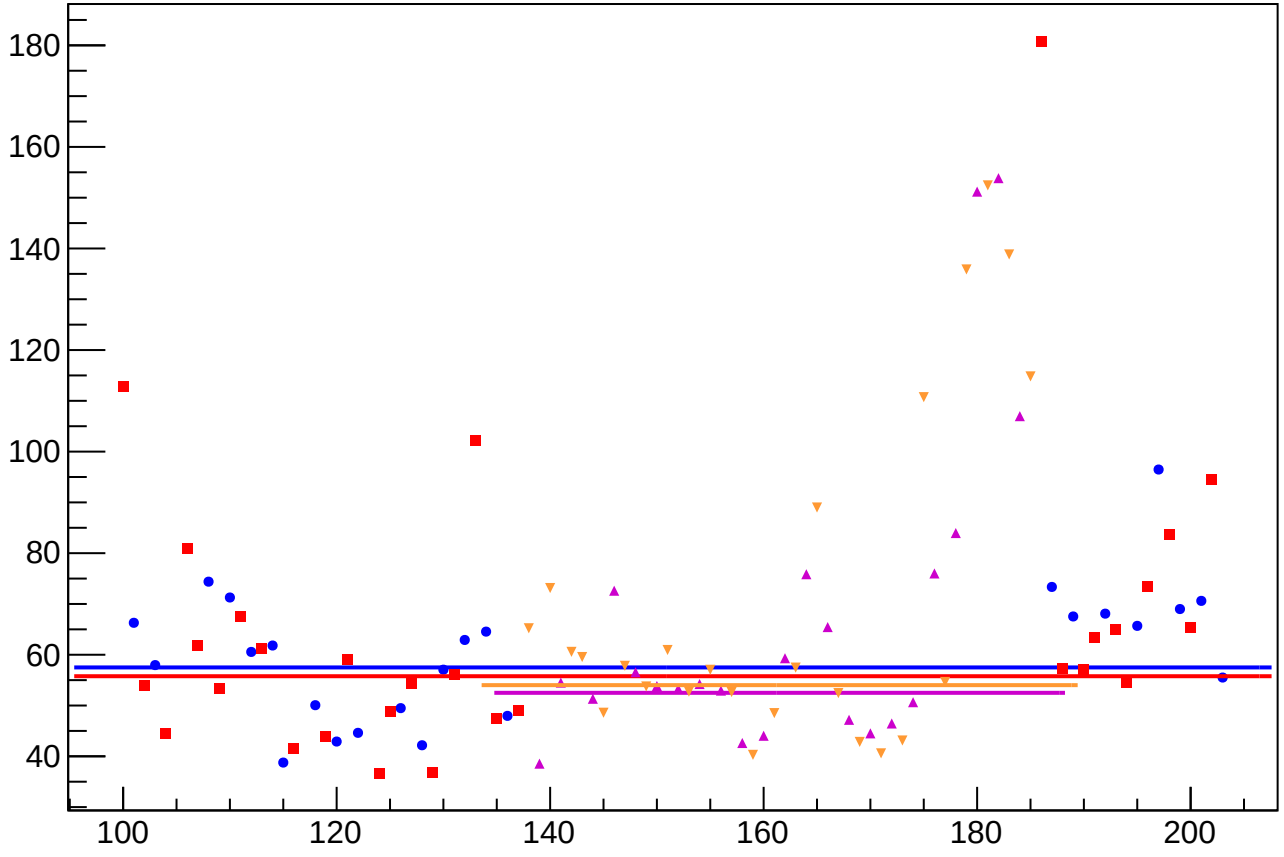
Right: 0.001+/-0.011 χ^2/NDF: 33.7/52

In: 0.012+/-0.010 χ^2/NDF:46.7/46

Out: -0.004+/-0.010 χ^2/NDF:49.7/53

All: 0.004+/-0.007 χ^2/NDF: 97.6/100

asym_sam_2468_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 57.502+/-0.012 χ^2/NDF: 998337.9/23

Left Out: 54.014+/-0.009 χ^2/NDF:3227550.5/24

Right Out: 55.771+/-0.011 χ^2/NDF: 1739631.5/28

Left In: 52.502+/-0.009 χ^2/NDF:2557763.5/22

Left: 53.257+/-0.007 χ^2/NDF: 5798378.9/47

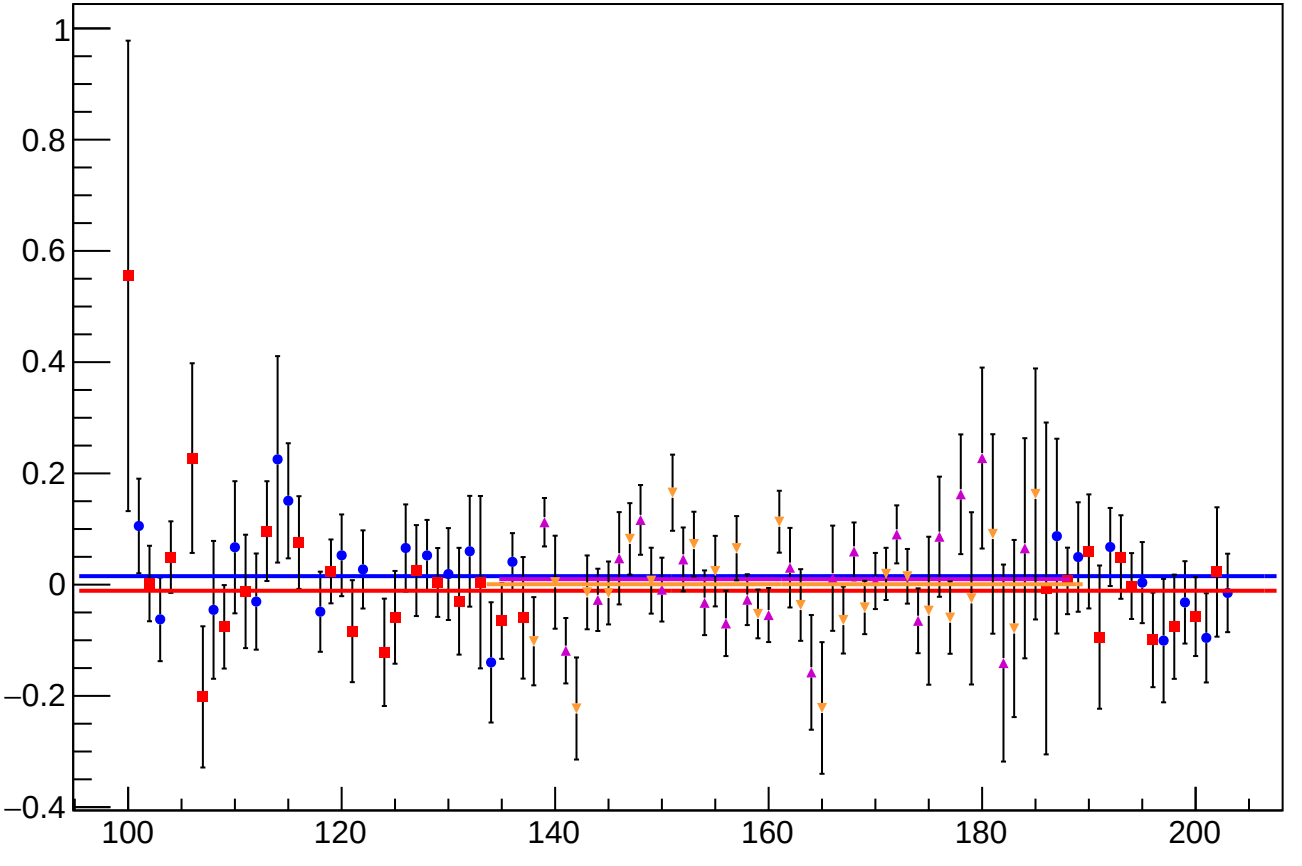
Right: 56.577+/-0.008 χ^2/NDF: 2749330.4/52

In: 54.416+/-0.007 χ^2/NDF:3665638.0/46

Out: 54.745+/-0.007 χ^2/NDF:4981848.7/53

All: 54.585+/-0.005 χ^2/NDF: 8648517.2/100

asym_sam_2468_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.015+/-0.017 χ^2/NDF: 14.7/23

Left Out: 0.001+/-0.013 χ^2/NDF:31.7/24

Right Out: -0.011+/-0.016 χ^2/NDF: 17.7/28

Left In: 0.010+/-0.013 χ^2/NDF:31.9/22

Left: 0.005+/-0.009 χ^2/NDF: 63.8/47

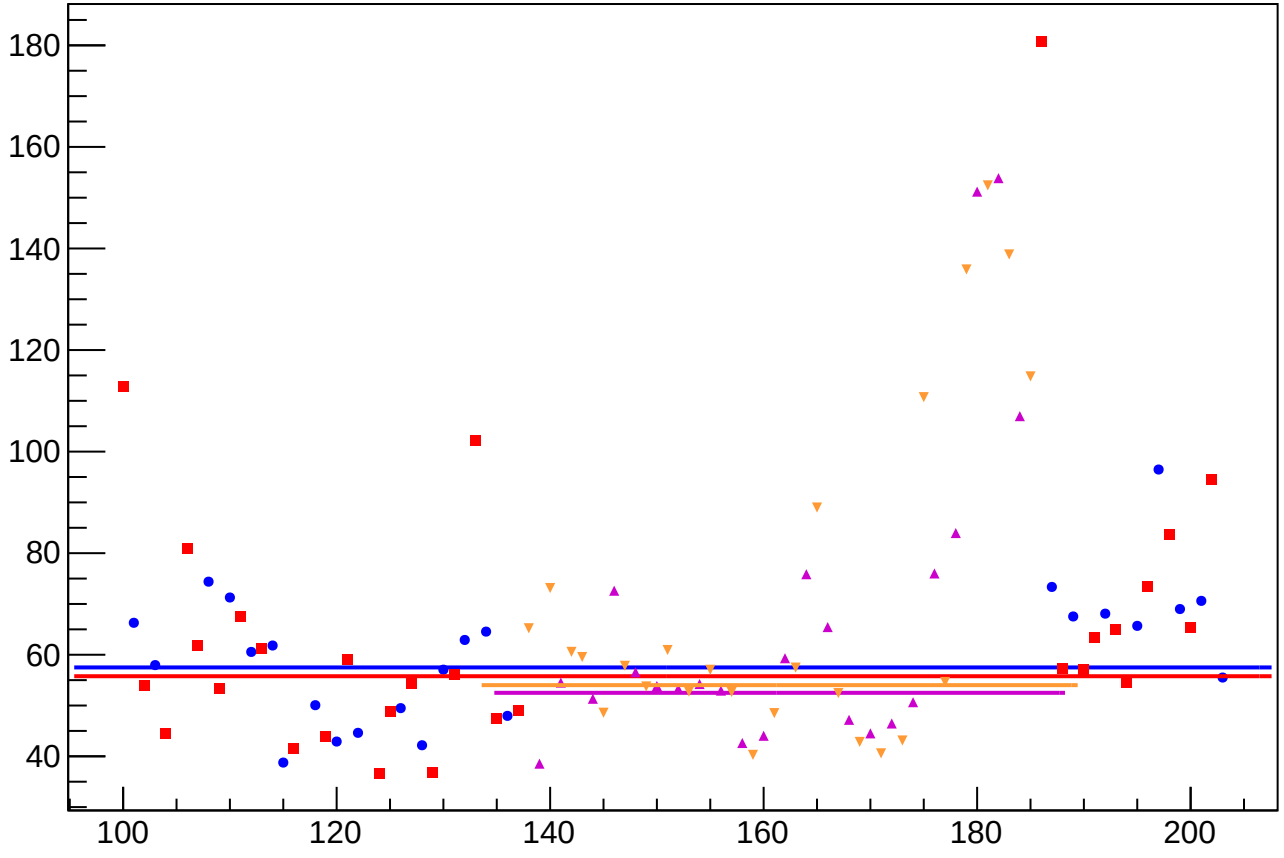
Right: 0.001+/-0.011 χ^2/NDF: 33.7/52

In: 0.012+/-0.010 χ^2/NDF:46.7/46

Out: -0.004+/-0.010 χ^2/NDF:49.7/53

All: 0.004+/-0.007 χ^2/NDF: 97.6/100

asym_sam_2468_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 57.502+/-0.012 χ^2/NDF: 998337.9/23

Left Out: 54.014+/-0.009 χ^2/NDF:3227550.5/24

Right Out: 55.771+/-0.011 χ^2/NDF: 1739631.5/28

Left In: 52.502+/-0.009 χ^2/NDF:2557763.5/22

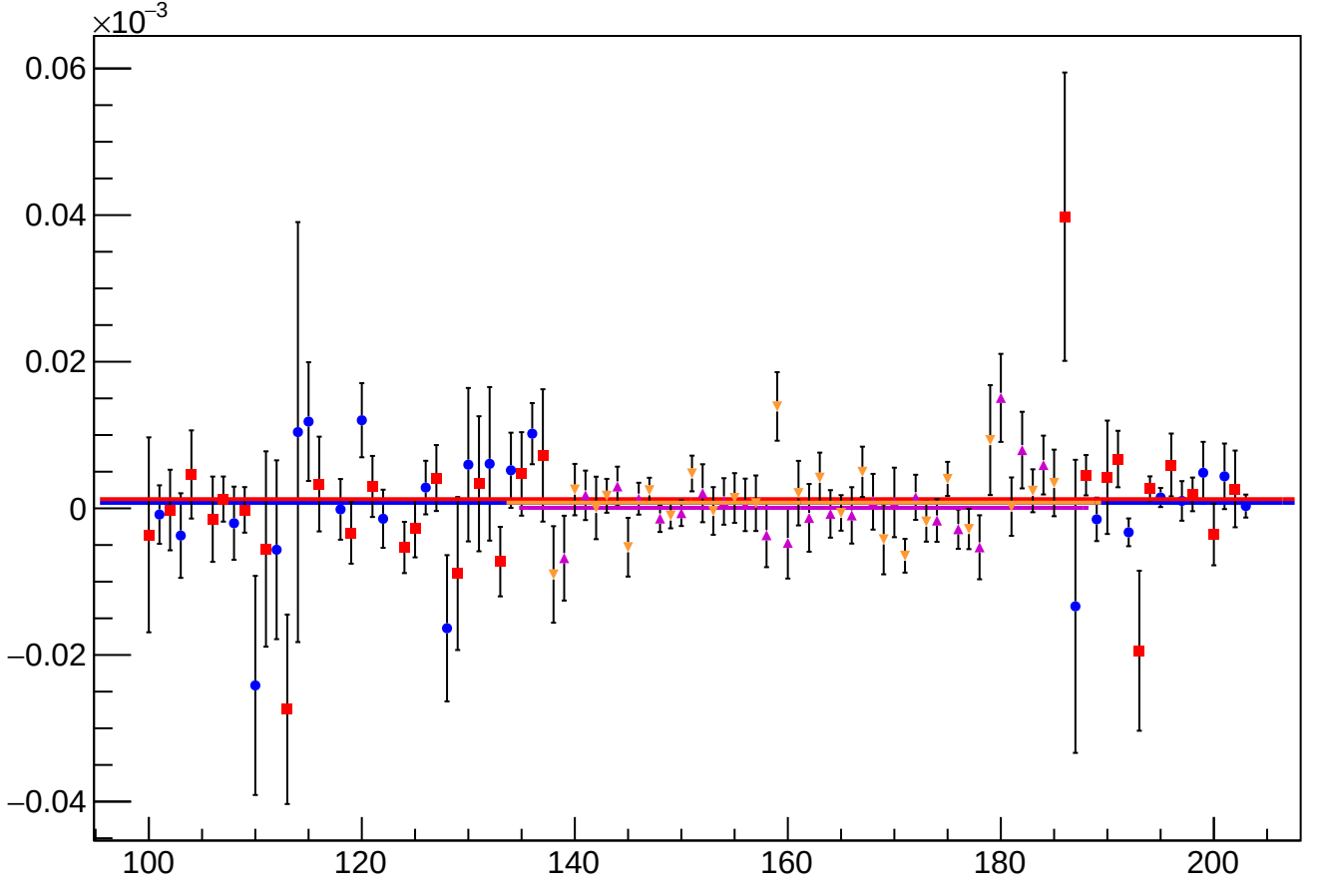
Left: 53.257+/-0.007 χ^2/NDF: 5798378.9/47

Right: 56.577+/-0.008 χ^2/NDF: 2749330.4/52

In: 54.416+/-0.007 χ^2/NDF:3665638.0/46

Out: 54.745+/-0.007 χ^2/NDF:4981848.7/53

All: 54.585+/-0.005 χ^2/NDF: 8648517.2/100



Right In: 0.000+/-0.000 χ^2/NDF: 28.7/23

Left Out: 0.000+/-0.000 χ^2/NDF:38.1/24

Right Out: 0.000+/-0.000 χ^2/NDF: 32.0/28

Left In: 0.000+/-0.000 χ^2/NDF:20.2/22

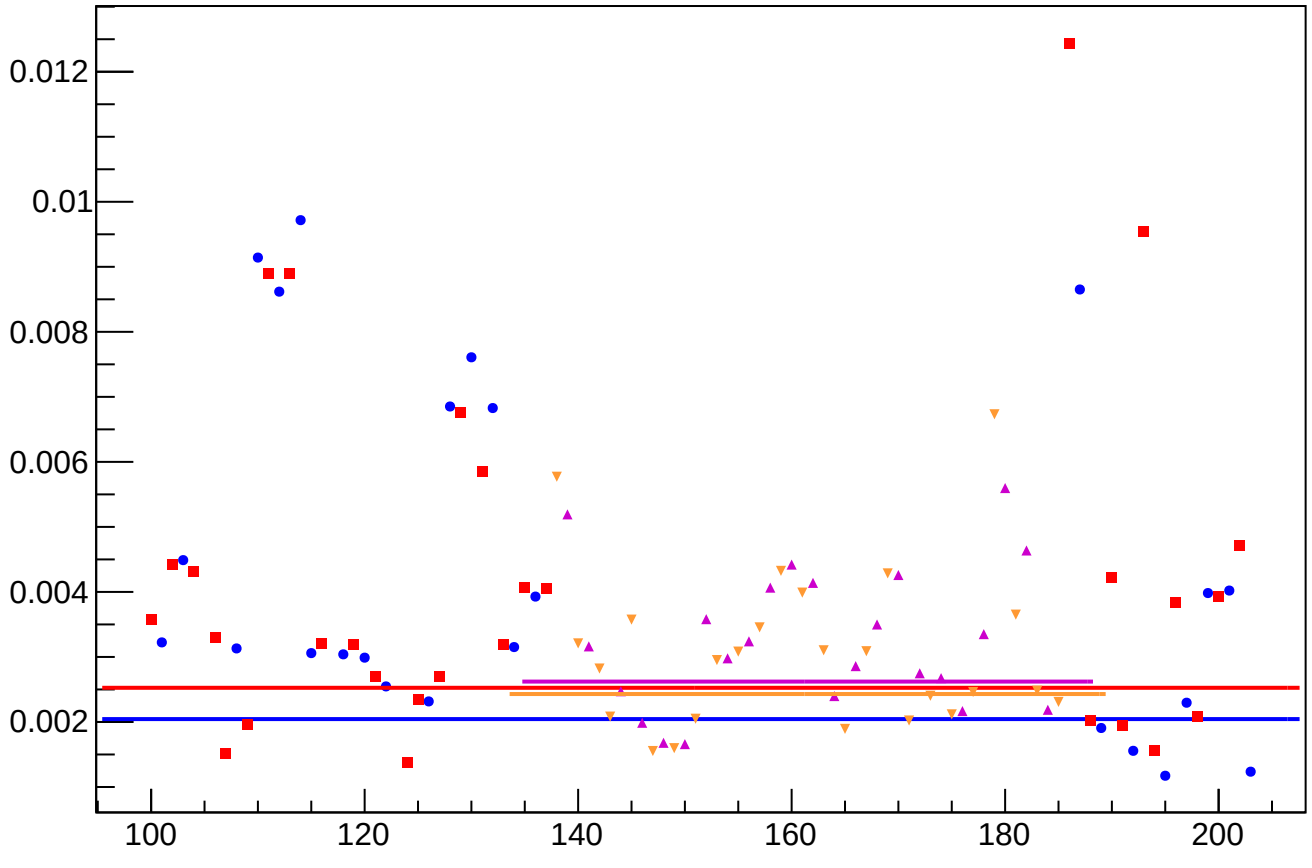
Left: 0.000+/-0.000 χ^2/NDF: 58.9/47

Right: 0.000+/-0.000 χ^2/NDF: 60.9/52

In: 0.000+/-0.000 χ^2/NDF:49.4/46

Out: 0.000+/-0.000 χ^2/NDF:70.3/53

All: 0.000+/-0.000 χ^2/NDF: 120.4/100



Right In: 0.002+/-0.000 χ^2/NDF: 6622037.0/23

Left Out: 0.002+/-0.000 χ^2/NDF:4218362.5/24

Right Out: 0.003+/-0.000 χ^2/NDF: 5871685.2/28

Left In: 0.003+/-0.000 χ^2/NDF:3955310.5/22

Left: 0.003+/-0.000 χ^2/NDF: 8267035.6/47

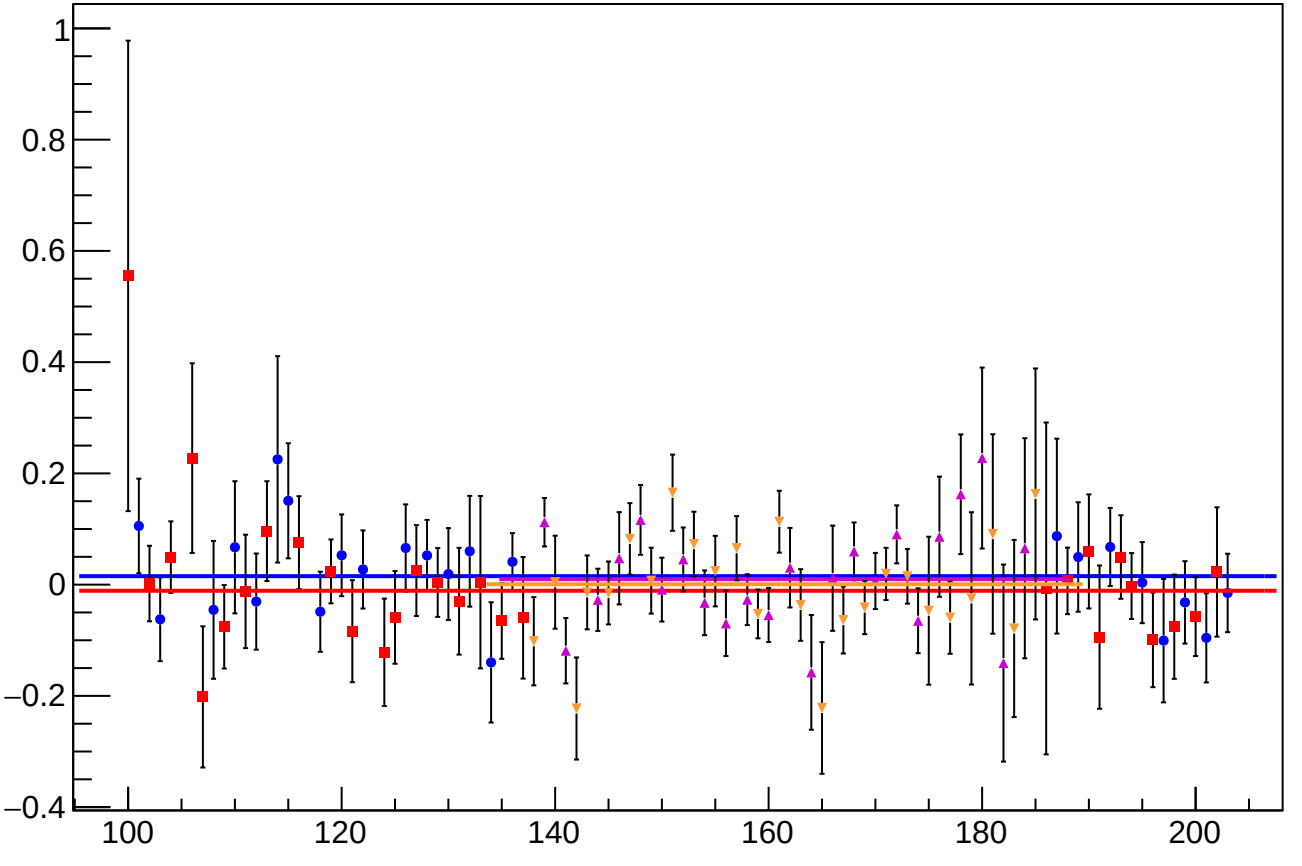
Right: 0.002+/-0.000 χ^2/NDF: 12931033.4/52

In: 0.002+/-0.000 χ^2/NDF:11315721.3/46

Out: 0.002+/-0.000 χ^2/NDF:10109551.4/53

All: 0.002+/-0.000 χ^2/NDF: 21493759.7/100

asym_sam_2468_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.015+/-0.017 χ^2/NDF: 14.7/23

Left Out: 0.001+/-0.013 χ^2/NDF:31.7/24

Right Out: -0.011+/-0.016 χ^2/NDF: 17.7/28

Left In: 0.010+/-0.013 χ^2/NDF:31.9/22

Left: 0.005+/-0.009 χ^2/NDF: 63.8/47

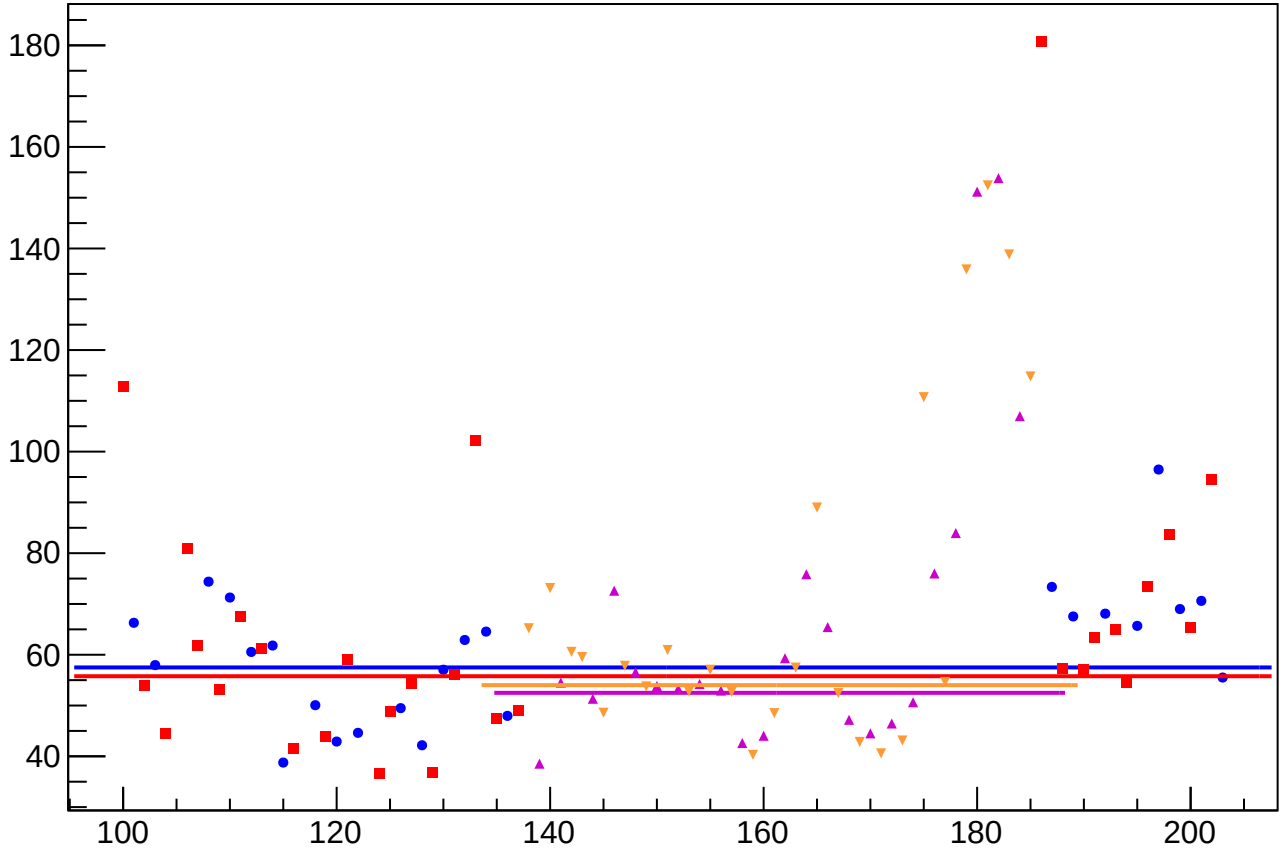
Right: 0.001+/-0.011 χ^2/NDF: 33.7/52

In: 0.012+/-0.010 χ^2/NDF:46.7/46

Out: -0.004+/-0.010 χ^2/NDF:49.7/53

All: 0.004+/-0.007 χ^2/NDF: 97.6/100

asym_sam_2468_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 57.501+/-0.012 χ^2/NDF: 998337.9/23

Left Out: 54.014+/-0.009 χ^2/NDF:3227569.4/24

Right Out: 55.770+/-0.011 χ^2/NDF: 1739706.3/28

Left In: 52.502+/-0.009 χ^2/NDF:2557805.6/22

Left: 53.257+/-0.007 χ^2/NDF: 5798440.6/47

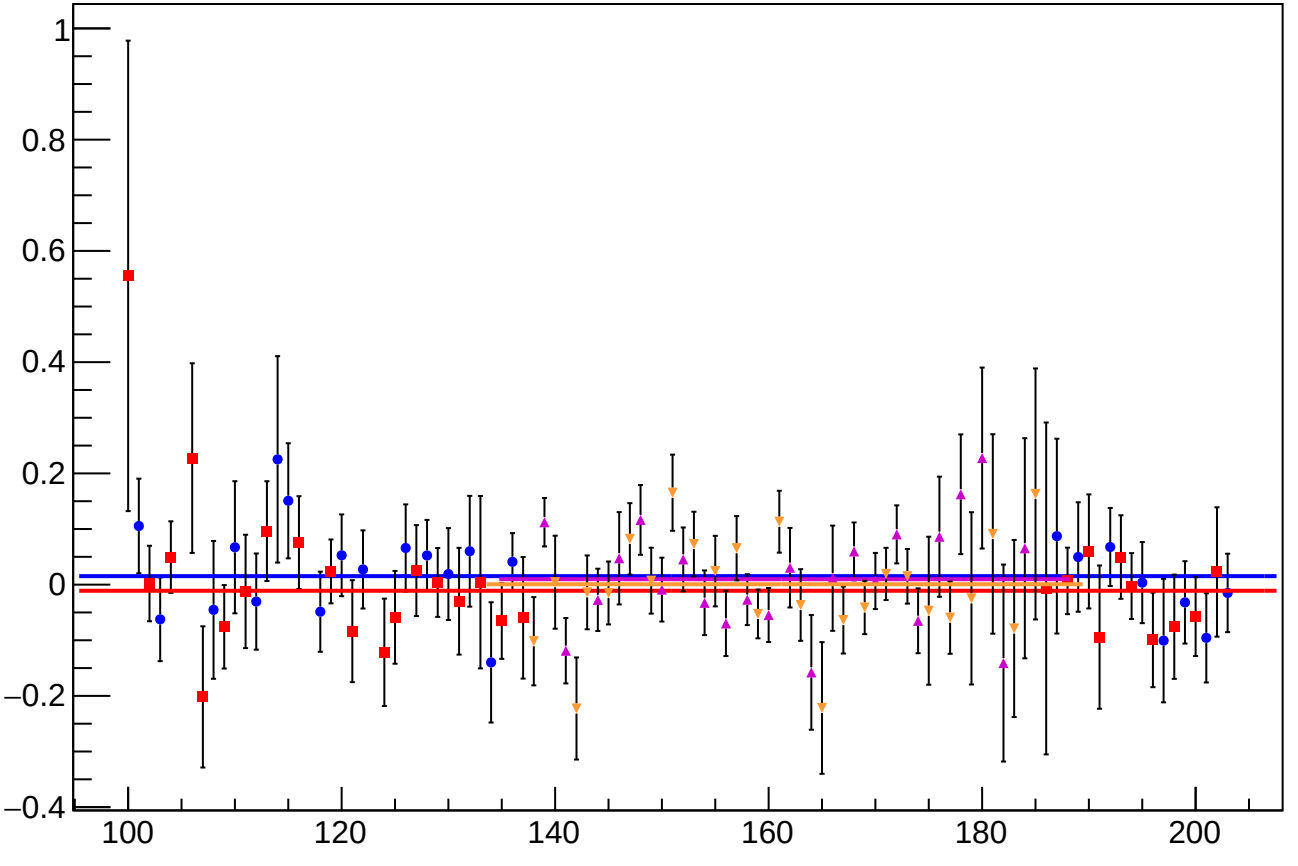
Right: 56.577+/-0.008 χ^2/NDF: 2749403.3/52

In: 54.416+/-0.007 χ^2/NDF:3665623.9/46

Out: 54.745+/-0.007 χ^2/NDF:4981922.6/53

All: 54.585+/-0.005 χ^2/NDF: 8648577.2/100

asym_sam_2468_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.015+/-0.017 χ^2/NDF: 14.7/23

Left Out: 0.001+/-0.013 χ^2/NDF:31.7/24

Right Out: -0.011+/-0.016 χ^2/NDF: 17.7/28

Left In: 0.010+/-0.013 χ^2/NDF:31.9/22

Left: 0.005+/-0.009 χ^2/NDF: 63.8/47

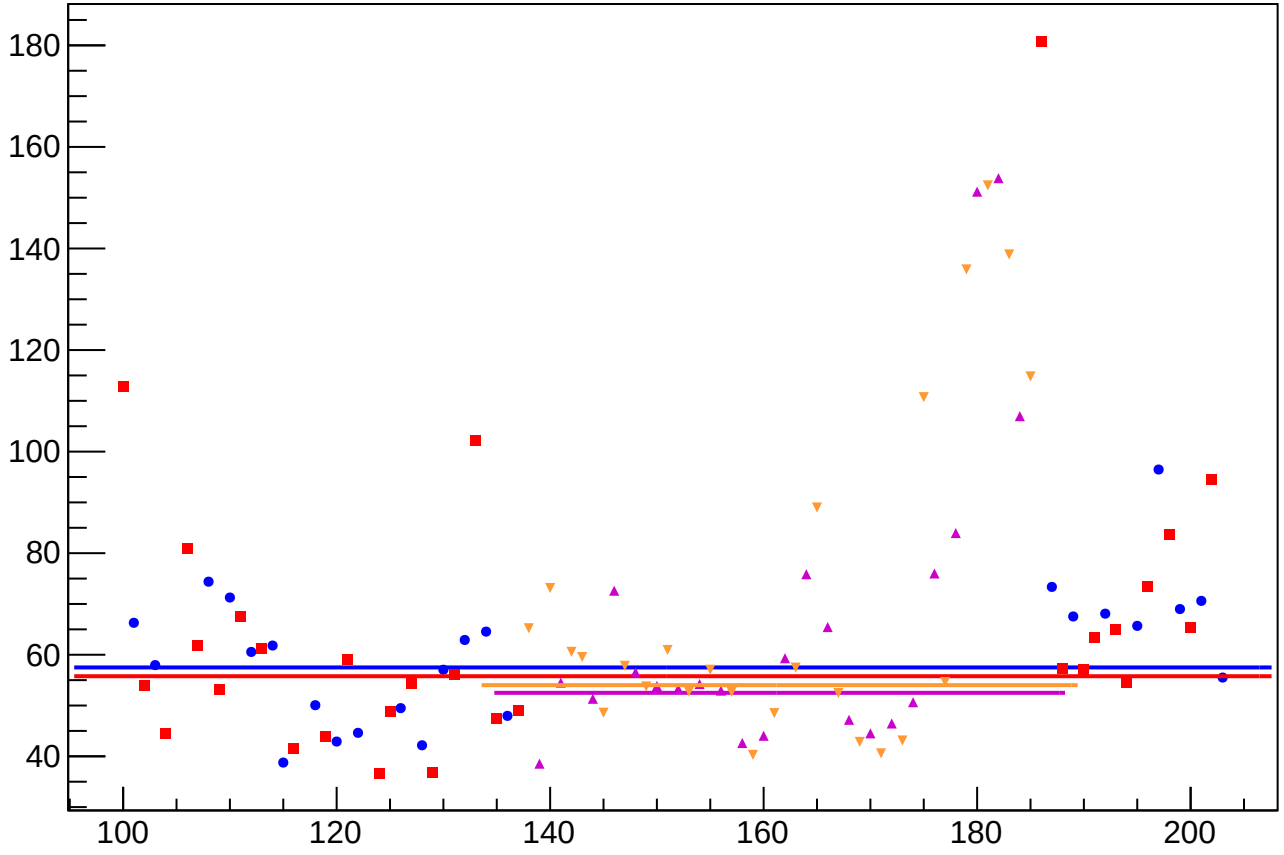
Right: 0.001+/-0.011 χ^2/NDF: 33.7/52

In: 0.012+/-0.010 χ^2/NDF:46.7/46

Out: -0.004+/-0.010 χ^2/NDF:49.7/53

All: 0.004+/-0.007 χ^2/NDF: 97.6/100

asym_sam_2468_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 57.501+/-0.012 χ^2/NDF: 998337.9/23

Left Out: 54.014+/-0.009 χ^2/NDF:3227569.4/24

Right Out: 55.770+/-0.011 χ^2/NDF: 1739706.3/28

Left In: 52.502+/-0.009 χ^2/NDF:2557805.6/22

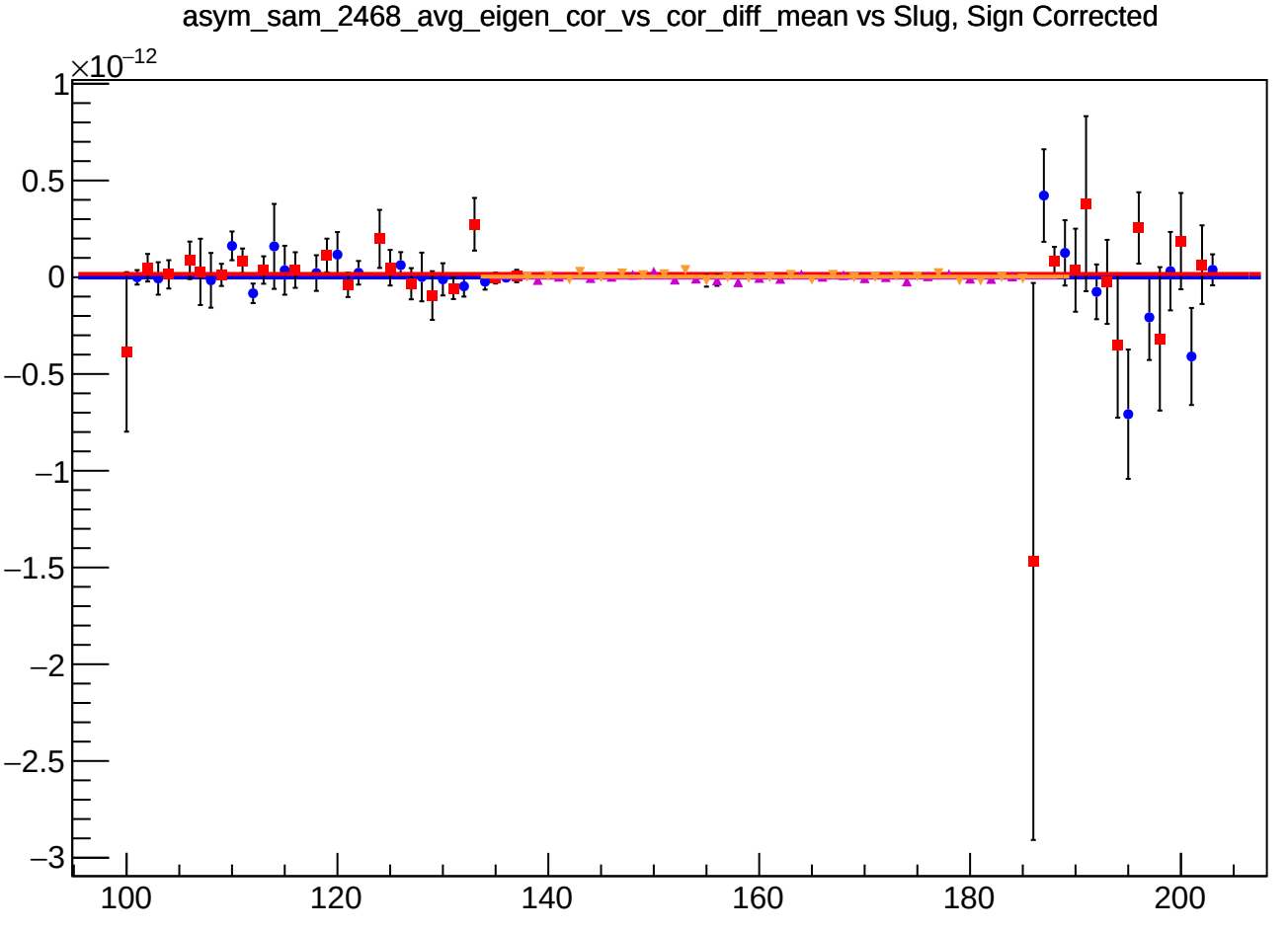
Left: 53.257+/-0.007 χ^2/NDF: 5798440.6/47

Right: 56.577+/-0.008 χ^2/NDF: 2749403.3/52

In: 54.416+/-0.007 χ^2/NDF:3665623.9/46

Out: 54.745+/-0.007 χ^2/NDF:4981922.6/53

All: 54.585+/-0.005 χ^2/NDF: 8648577.2/100



Right In: -0.000+/-0.000 χ^2/NDF: 23.5/23

Left Out: 0.000+/-0.000 χ^2/NDF:21.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 20.4/28

Left In: -0.000+/-0.000 χ^2/NDF:15.3/22

Left: 0.000+/-0.000 χ^2/NDF: 38.5/47

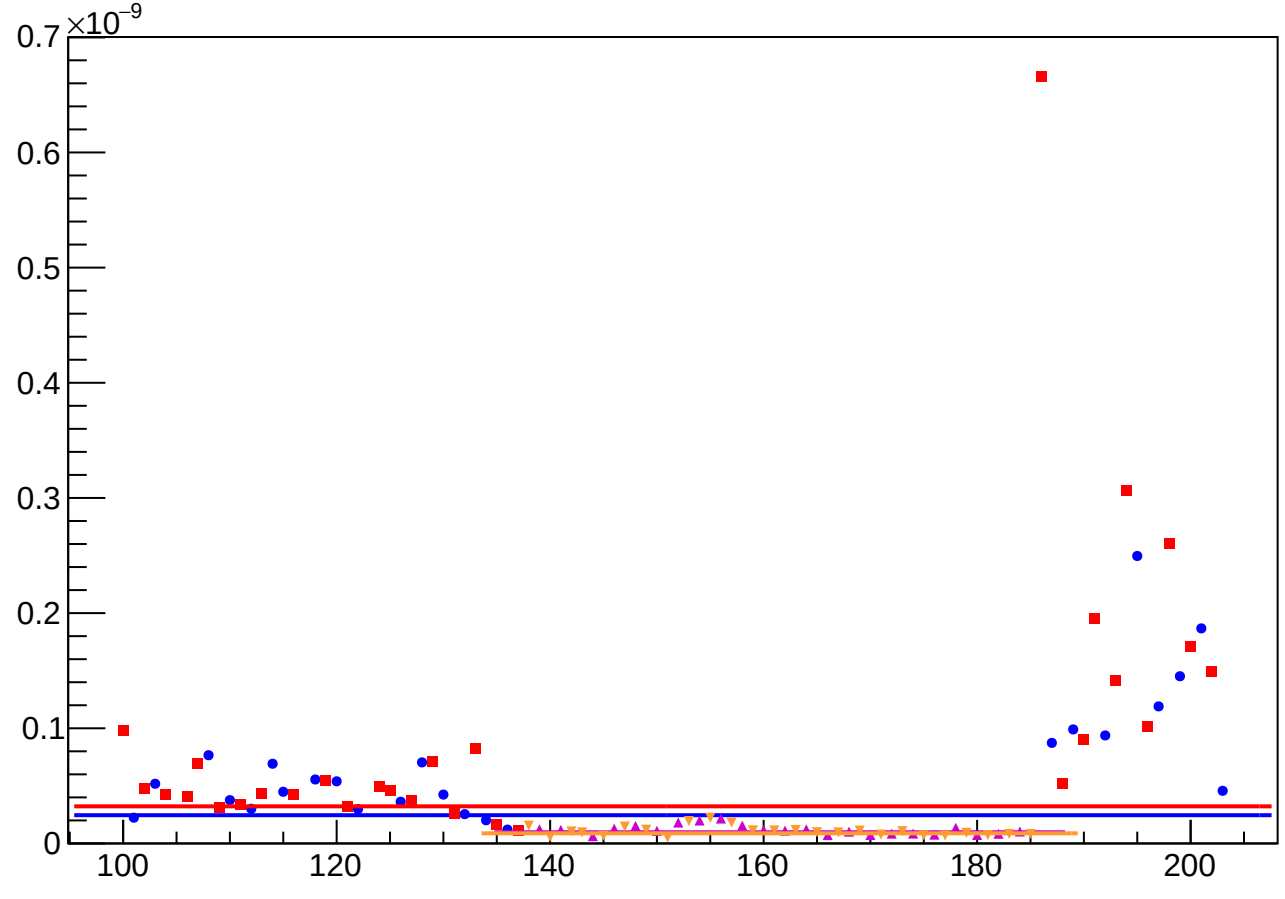
Right: 0.000+/-0.000 χ^2/NDF: 44.9/52

In: -0.000+/-0.000 χ^2/NDF:38.8/46

Out: 0.000+/-0.000 χ^2/NDF:43.2/53

All: 0.000+/-0.000 χ^2/NDF: 83.8/100

asym_sam_2468_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 6602594.9/23

Left Out: 0.000+/-0.000 χ^2/NDF:2517075.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 7407793.4/28

Left In: 0.000+/-0.000 χ^2/NDF:2320113.6/22

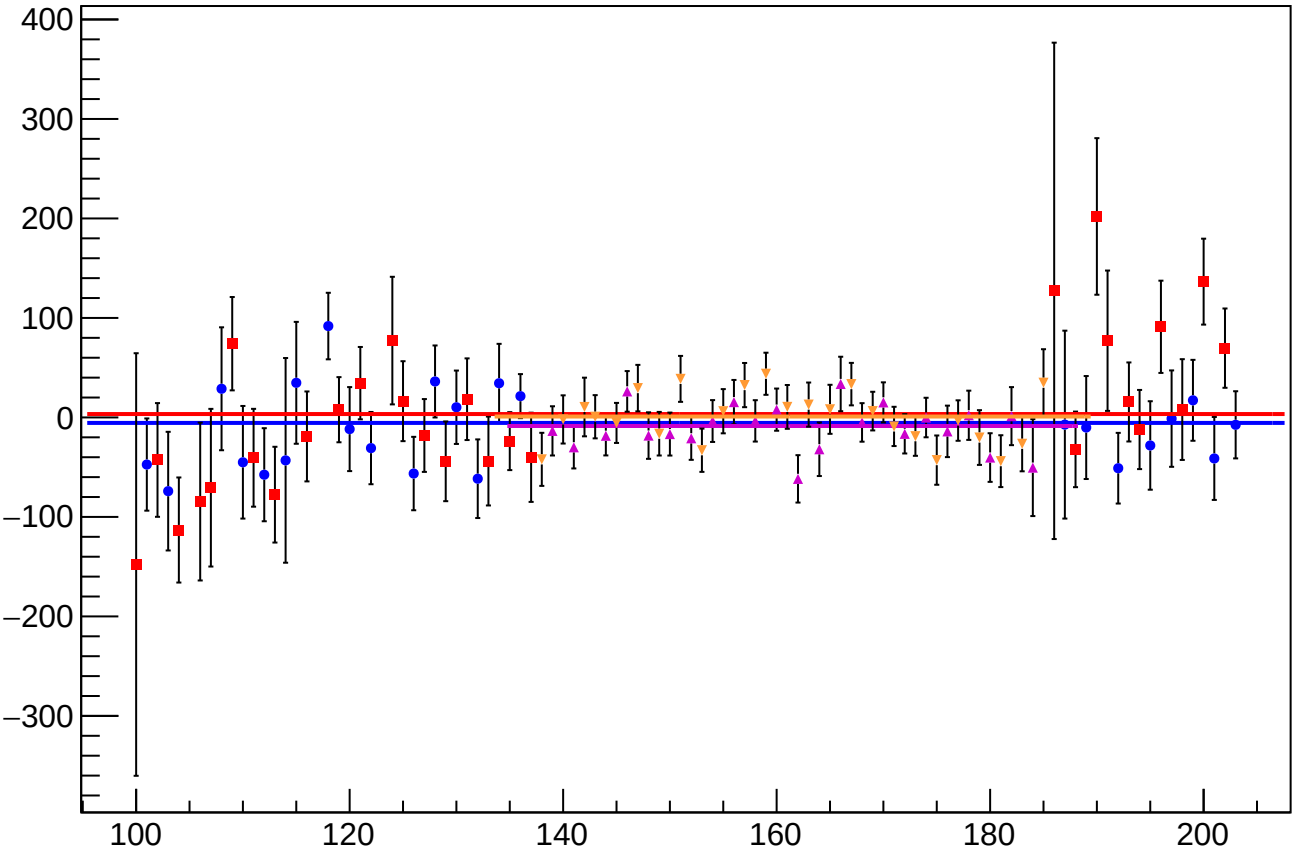
Left: 0.000+/-0.000 χ^2/NDF: 4948206.8/47

Right: 0.000+/-0.000 χ^2/NDF: 14364401.6/52

In: 0.000+/-0.000 χ^2/NDF:11939148.6/46

Out: 0.000+/-0.000 χ^2/NDF:15310941.2/53

All: 0.000+/-0.000 χ^2/NDF: 27377047.5/100



Right In: -5.512+/-8.399 χ^2/NDF: 24.6/23

Left Out: 0.917+/-4.574 χ^2/NDF:29.2/24

Right Out: 3.405+/-8.499 χ^2/NDF: 46.0/28

Left In: -8.600+/-4.724 χ^2/NDF:19.4/22

Left: -3.689+/-3.286 χ^2/NDF: 50.7/47

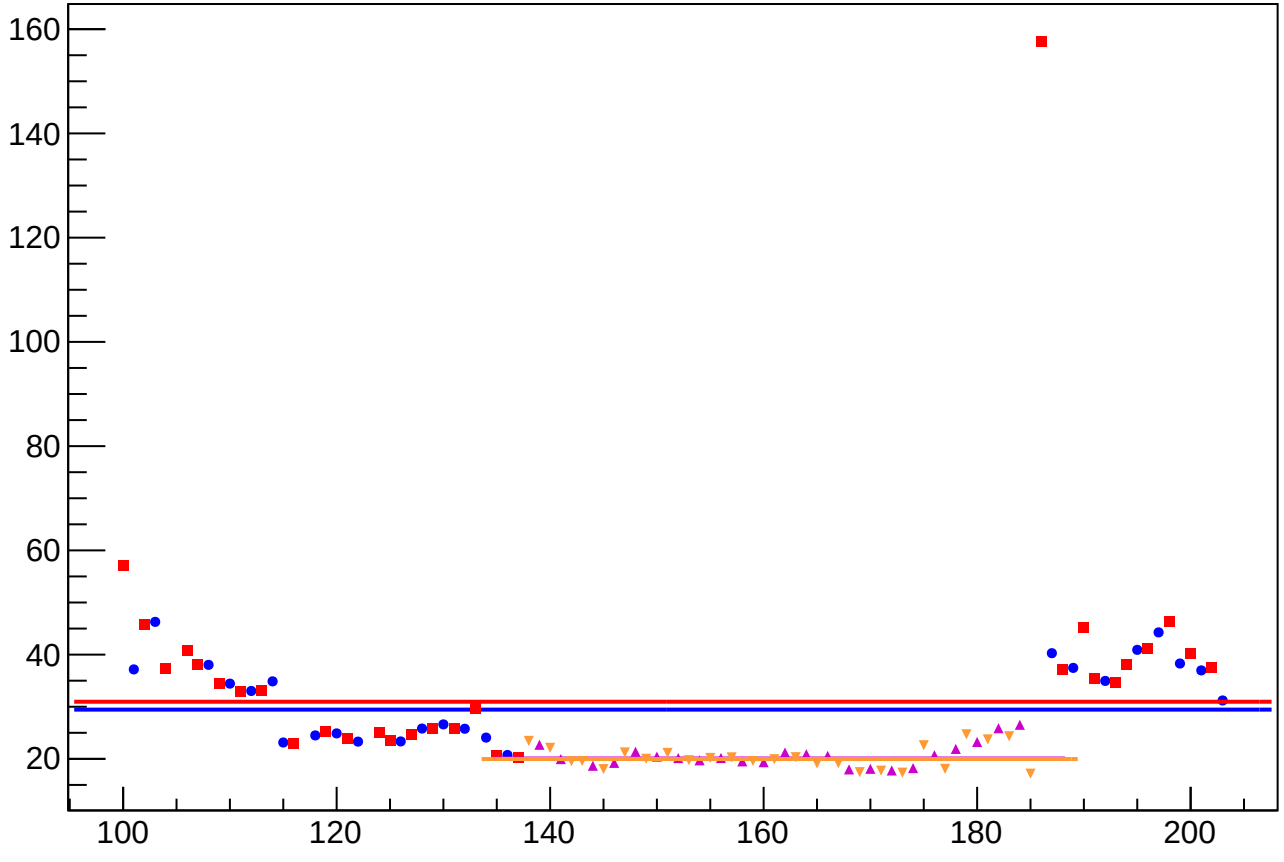
Right: -1.106+/-5.974 χ^2/NDF: 71.1/52

In: -7.858+/-4.117 χ^2/NDF:44.1/46

Out: 1.475+/-4.028 χ^2/NDF:75.2/53

All: -3.089+/-2.879 χ^2/NDF: 121.9/100

reg_asym_sam_1357_2468_dd_rms vs Slug, Sign Corrected



Right In: 29.449+/-0.006 χ^2/NDF: 1489427.5/23

Left Out: 19.969+/-0.003 χ^2/NDF:386763.9/24

Right Out: 30.963+/-0.006 χ^2/NDF: 2185149.3/28

Left In: 20.072+/-0.003 χ^2/NDF:301705.2/22

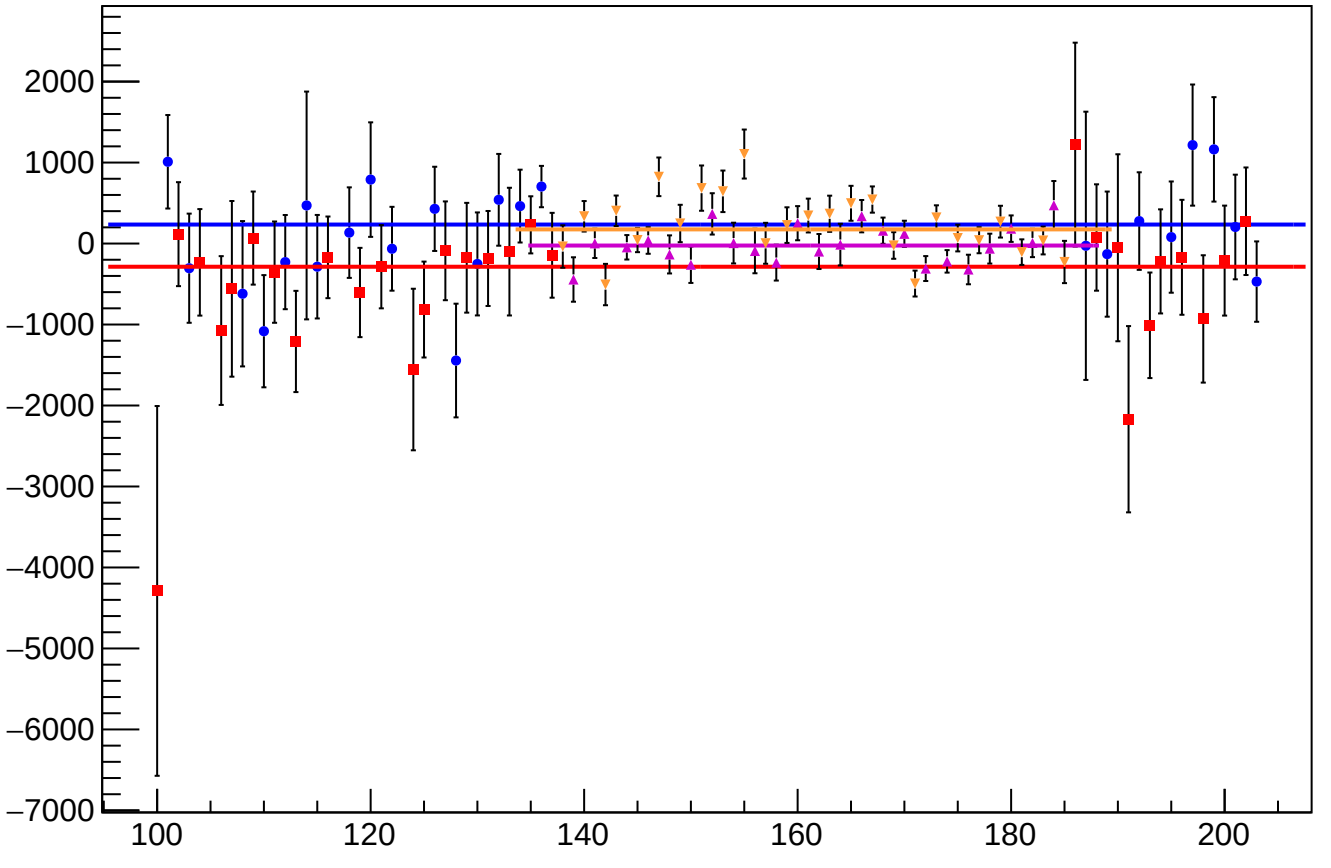
Left: 20.019+/-0.002 χ^2/NDF: 688968.6/47

Right: 30.197+/-0.004 χ^2/NDF: 3706689.5/52

In: 22.325+/-0.003 χ^2/NDF:3684520.6/46

Out: 22.438+/-0.003 χ^2/NDF:5167073.3/53

All: 22.383+/-0.002 χ^2/NDF: 8852358.0/100



Right In: 234.570+/-117.415 χ^2/NDF: 25.8/23

Left Out: 174.693+/-39.049 χ^2/NDF:71.2/24

Right Out: -286.383+/-120.985 χ^2/NDF: 19.2/28

Left In: -24.589+/-40.070 χ^2/NDF:26.9/22

Left: 77.623+/-27.966 χ^2/NDF: 110.8/47

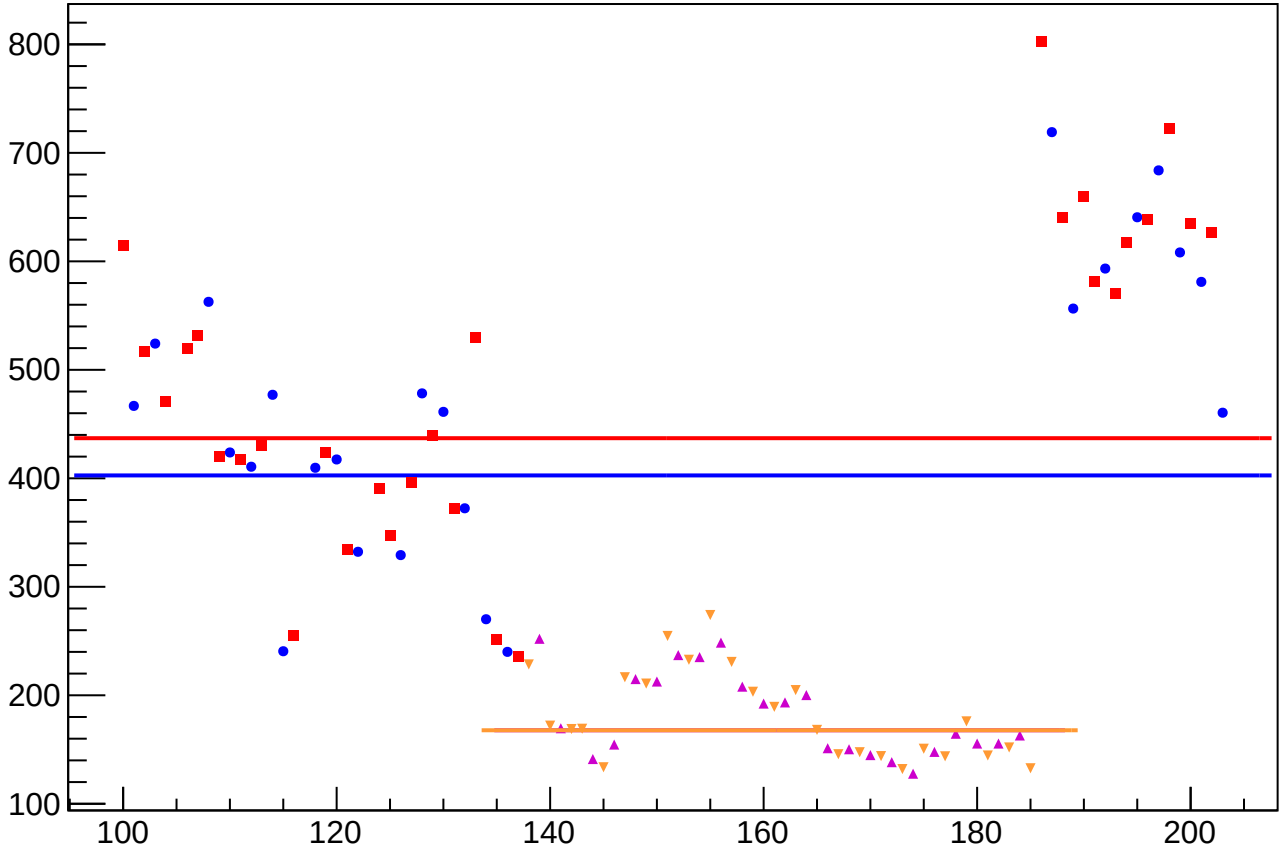
Right: -18.105+/-84.259 χ^2/NDF: 54.5/52

In: 2.445+/-37.923 χ^2/NDF:57.0/46

Out: 131.193+/-37.161 χ^2/NDF:103.6/53

All: 68.124+/-26.542 χ^2/NDF: 166.5/100

asym_sam_1357_2468_dd_reg_correction_rms vs Slug, Sign Corrected



Right In: 402.661+/-0.083 χ^2/NDF: 2657187.2/23

Left Out: 167.754+/-0.028 χ^2/NDF:1578232.9/24

Right Out: 436.984+/-0.086 χ^2/NDF: 2849979.7/28

Left In: 167.748+/-0.028 χ^2/NDF:1403124.0/22

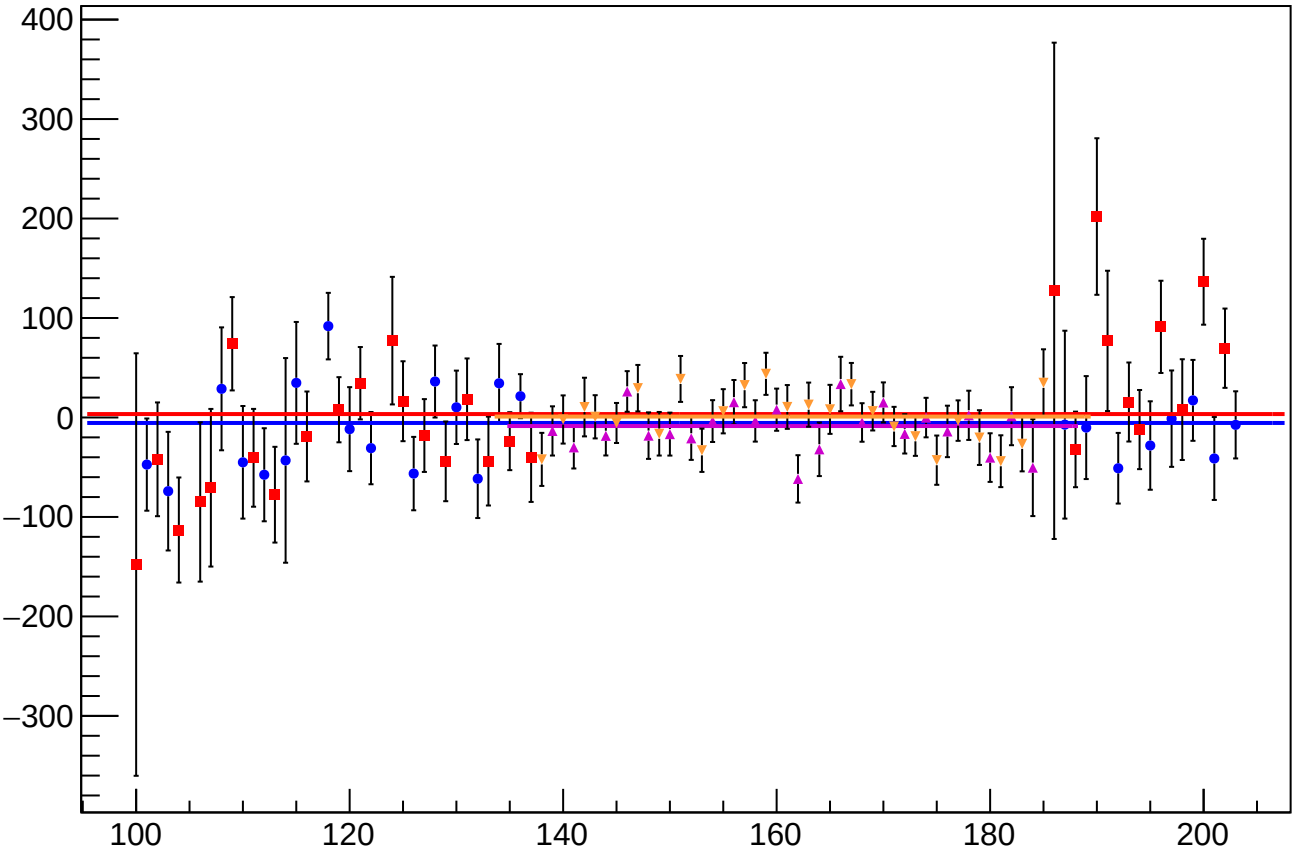
Left: 167.751+/-0.020 χ^2/NDF: 2981357.0/47

Right: 419.309+/-0.060 χ^2/NDF: 5590059.2/52

In: 192.254+/-0.027 χ^2/NDF:11230862.6/46

Out: 193.155+/-0.026 χ^2/NDF:13397802.3/53

All: 192.713+/-0.019 χ^2/NDF: 24629241.1/10



Right In: -5.510+/-8.399 χ^2/NDF: 24.6/23

Left Out: 0.915+/-4.574 χ^2/NDF:29.2/24

Right Out: 3.435+/-8.500 χ^2/NDF: 45.9/28

Left In: -8.600+/-4.724 χ^2/NDF:19.4/22

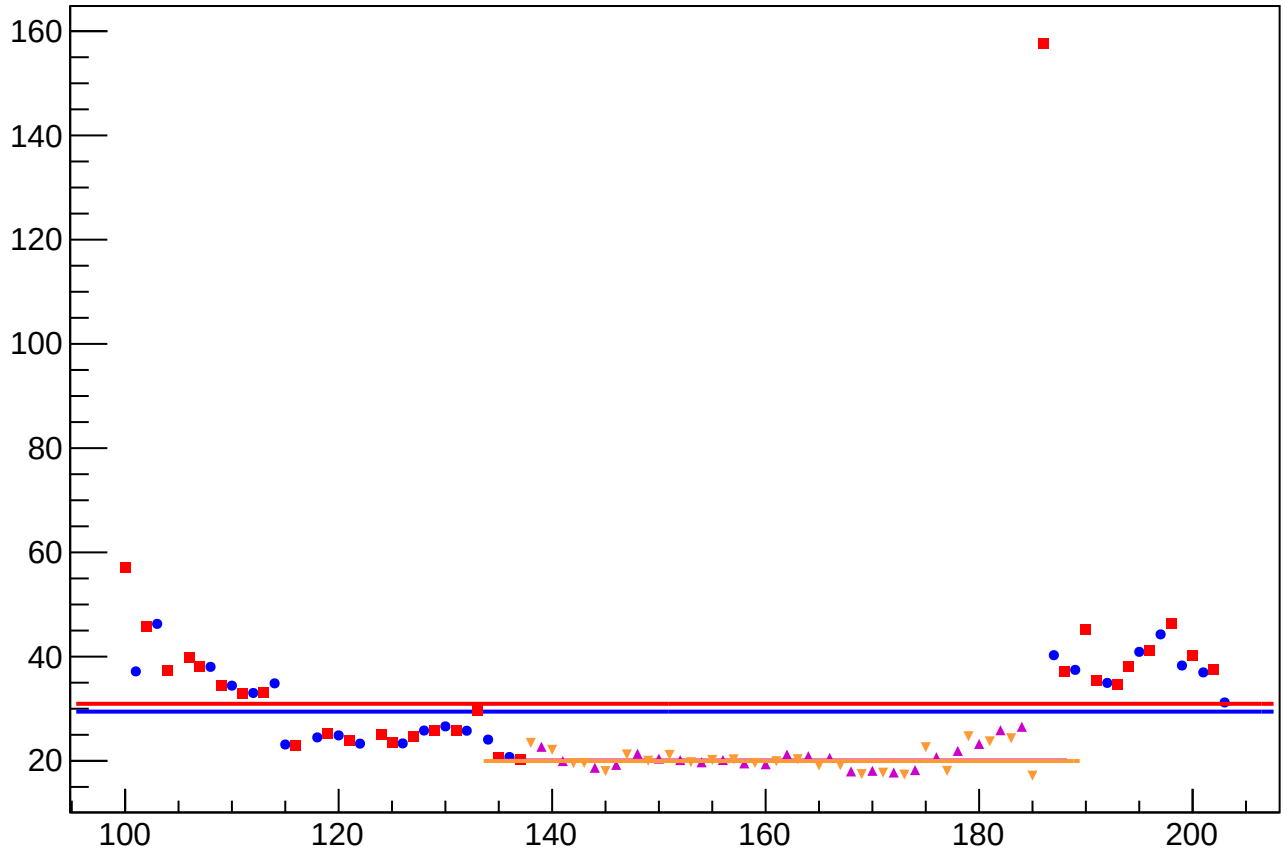
Left: -3.690+/-3.286 χ^2/NDF: 50.7/47

Right: -1.091+/-5.974 χ^2/NDF: 71.1/52

In: -7.858+/-4.117 χ^2/NDF:44.1/46

Out: 1.481+/-4.028 χ^2/NDF:75.2/53

All: -3.086+/-2.879 χ^2/NDF: 121.9/100



Right In: 29.449+/-0.006 χ^2/NDF: 1489430.7/23

Left Out: 19.969+/-0.003 χ^2/NDF:386763.9/24

Right Out: 30.949+/-0.006 χ^2/NDF: 2178489.5/28

Left In: 20.072+/-0.003 χ^2/NDF:301705.2/22

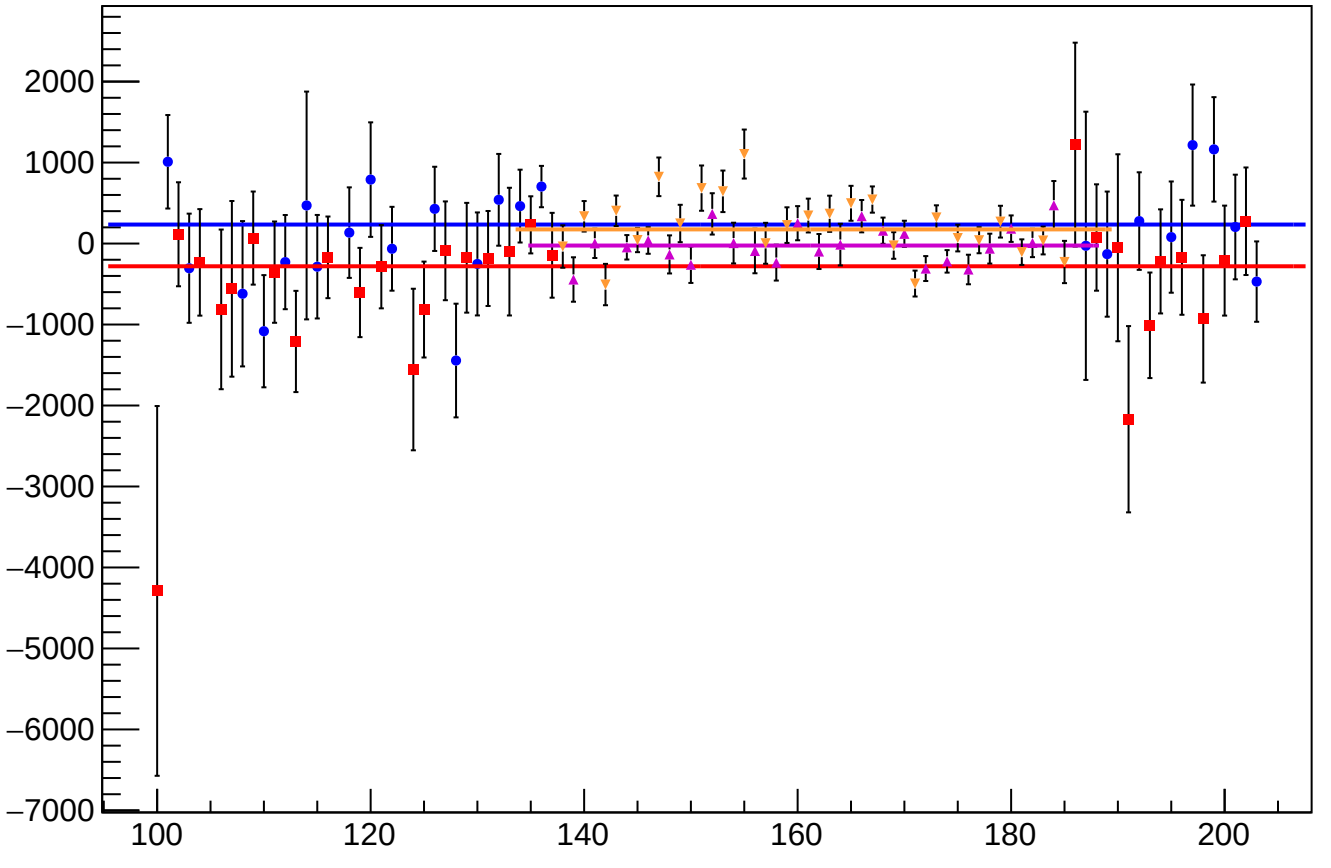
Left: 20.019+/-0.002 χ^2/NDF: 688968.7/47

Right: 30.190+/-0.004 χ^2/NDF: 3699432.2/52

In: 22.325+/-0.003 χ^2/NDF:3684523.9/46

Out: 22.434+/-0.003 χ^2/NDF:5153283.5/53

All: 22.381+/-0.002 χ^2/NDF: 8838523.3/100



Right In: 234.565+/-117.415 χ^2/NDF: 25.8/23

Left Out: 174.691+/-39.049 χ^2/NDF:71.2/24

Right Out: -280.703+/-121.126 χ^2/NDF: 18.8/28

Left In: -24.590+/-40.070 χ^2/NDF:26.9/22

Left: 77.622+/-27.966 χ^2/NDF: 110.8/47

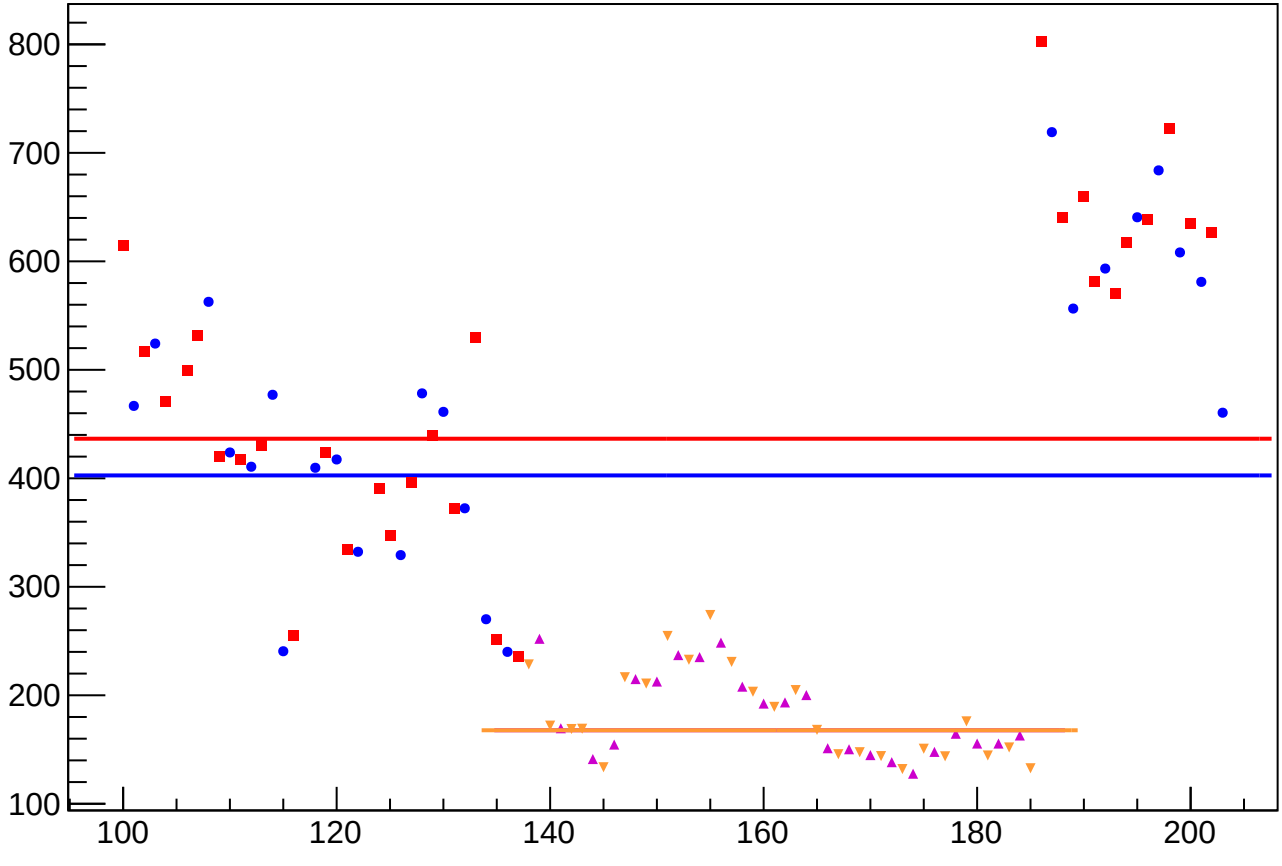
Right: -15.055+/-84.306 χ^2/NDF: 53.9/52

In: 2.444+/-37.923 χ^2/NDF:57.0/46

Out: 131.817+/-37.165 χ^2/NDF:102.8/53

All: 68.435+/-26.544 χ^2/NDF: 165.7/100

asym_sam_1357_2468_dd_cor_correction_rms vs Slug, Sign Corrected



Right In: 402.661+/-0.083 χ^2/NDF: 2657213.2/23

Left Out: 167.754+/-0.028 χ^2/NDF:1578231.3/24

Right Out: 436.493+/-0.086 χ^2/NDF: 2841874.4/28

Left In: 167.748+/-0.028 χ^2/NDF:1403120.1/22

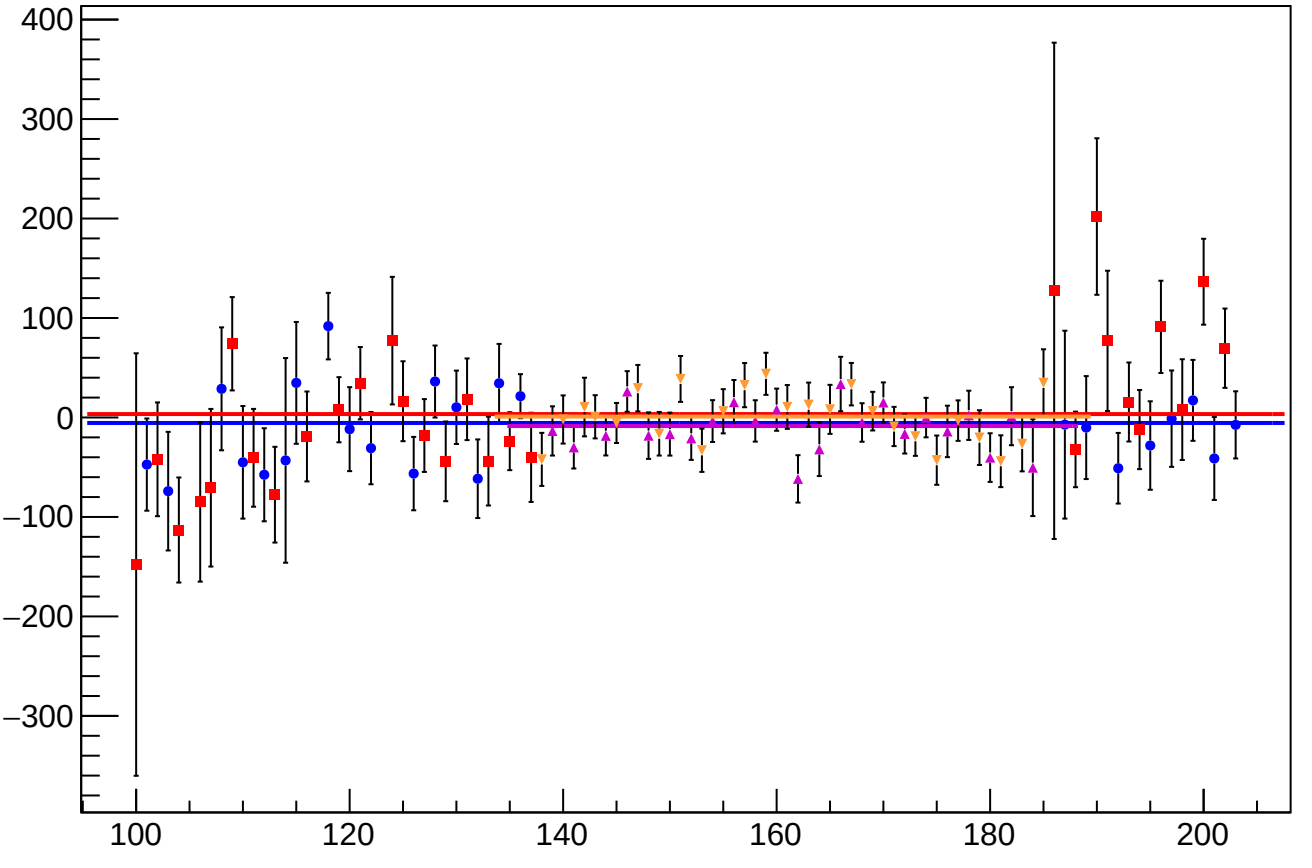
Left: 167.751+/-0.020 χ^2/NDF: 2981351.5/47

Right: 419.051+/-0.060 χ^2/NDF: 5579530.0/52

In: 192.254+/-0.027 χ^2/NDF:11230876.5/46

Out: 193.055+/-0.026 χ^2/NDF:13338290.9/53

All: 192.663+/-0.019 χ^2/NDF: 24569623.4/10



Right In: -5.510+/-8.399 χ^2/NDF: 24.6/23

Left Out: 0.915+/-4.574 χ^2/NDF:29.2/24

Right Out: 3.435+/-8.500 χ^2/NDF: 45.9/28

Left In: -8.600+/-4.724 χ^2/NDF:19.4/22

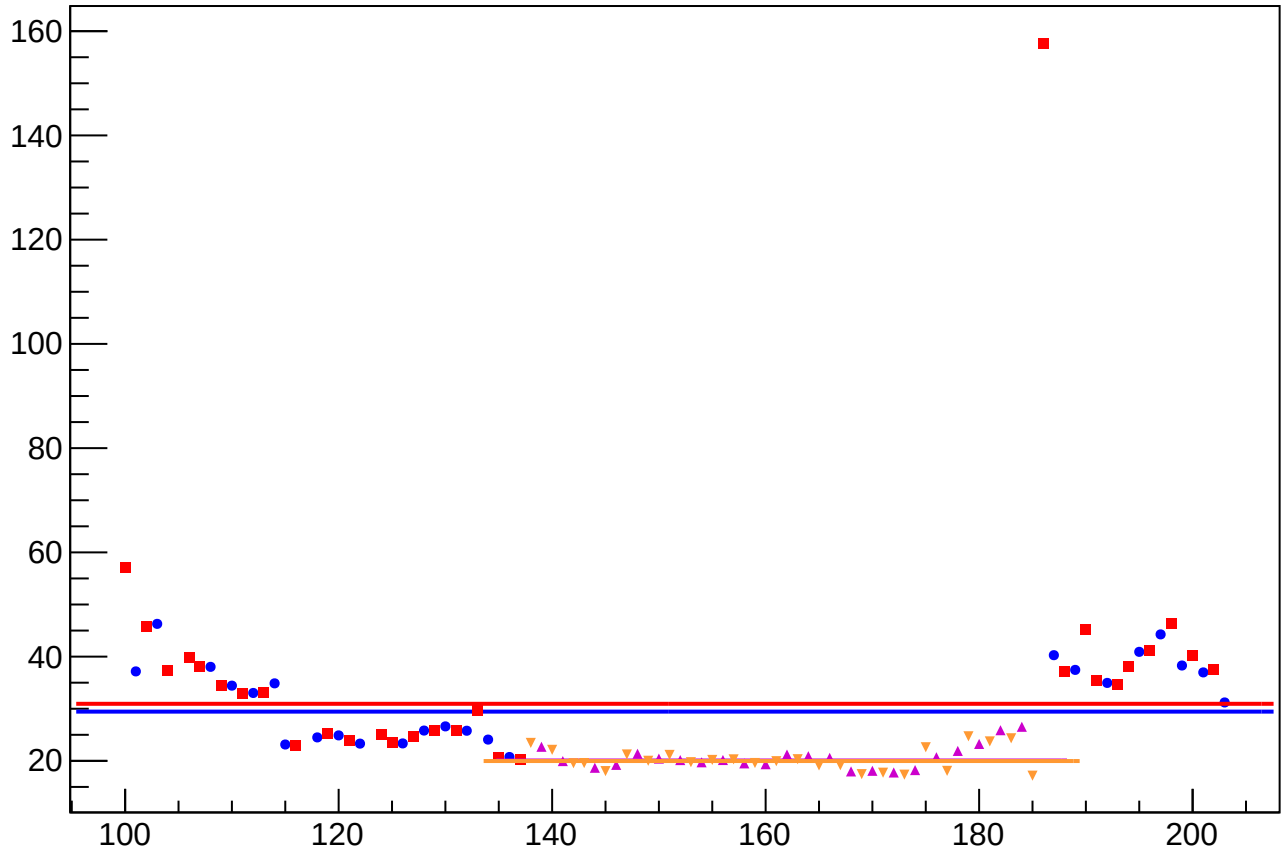
Left: -3.690+/-3.286 χ^2/NDF: 50.7/47

Right: -1.091+/-5.974 χ^2/NDF: 71.1/52

In: -7.858+/-4.117 χ^2/NDF:44.1/46

Out: 1.481+/-4.028 χ^2/NDF:75.2/53

All: -3.086+/-2.879 χ^2/NDF: 121.9/100



Right In: 29.449+/-0.006 χ^2/NDF: 1489430.7/23

Left Out: 19.969+/-0.003 χ^2/NDF:386763.9/24

Right Out: 30.949+/-0.006 χ^2/NDF: 2178489.5/28

Left In: 20.072+/-0.003 χ^2/NDF:301705.2/22

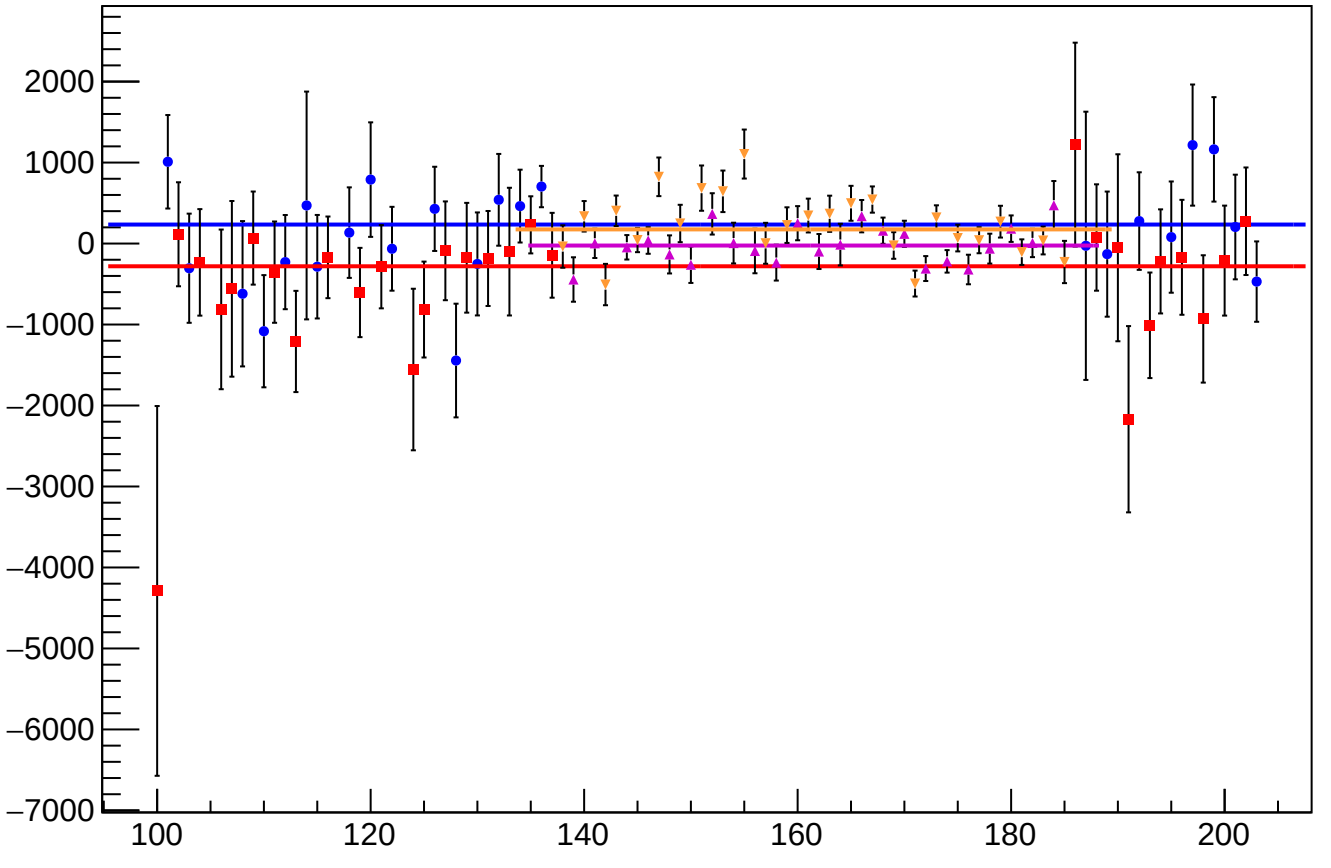
Left: 20.019+/-0.002 χ^2/NDF: 688968.7/47

Right: 30.190+/-0.004 χ^2/NDF: 3699432.2/52

In: 22.325+/-0.003 χ^2/NDF:3684523.9/46

Out: 22.434+/-0.003 χ^2/NDF:5153283.5/53

All: 22.381+/-0.002 χ^2/NDF: 8838523.3/100



Right In: 234.565+/-117.415 χ^2/NDF: 25.8/23

Left Out: 174.691+/-39.049 χ^2/NDF:71.2/24

Right Out: -280.703+/-121.126 χ^2/NDF: 18.8/28

Left In: -24.590+/-40.070 χ^2/NDF:26.9/22

Left: 77.622+/-27.966 χ^2/NDF: 110.8/47

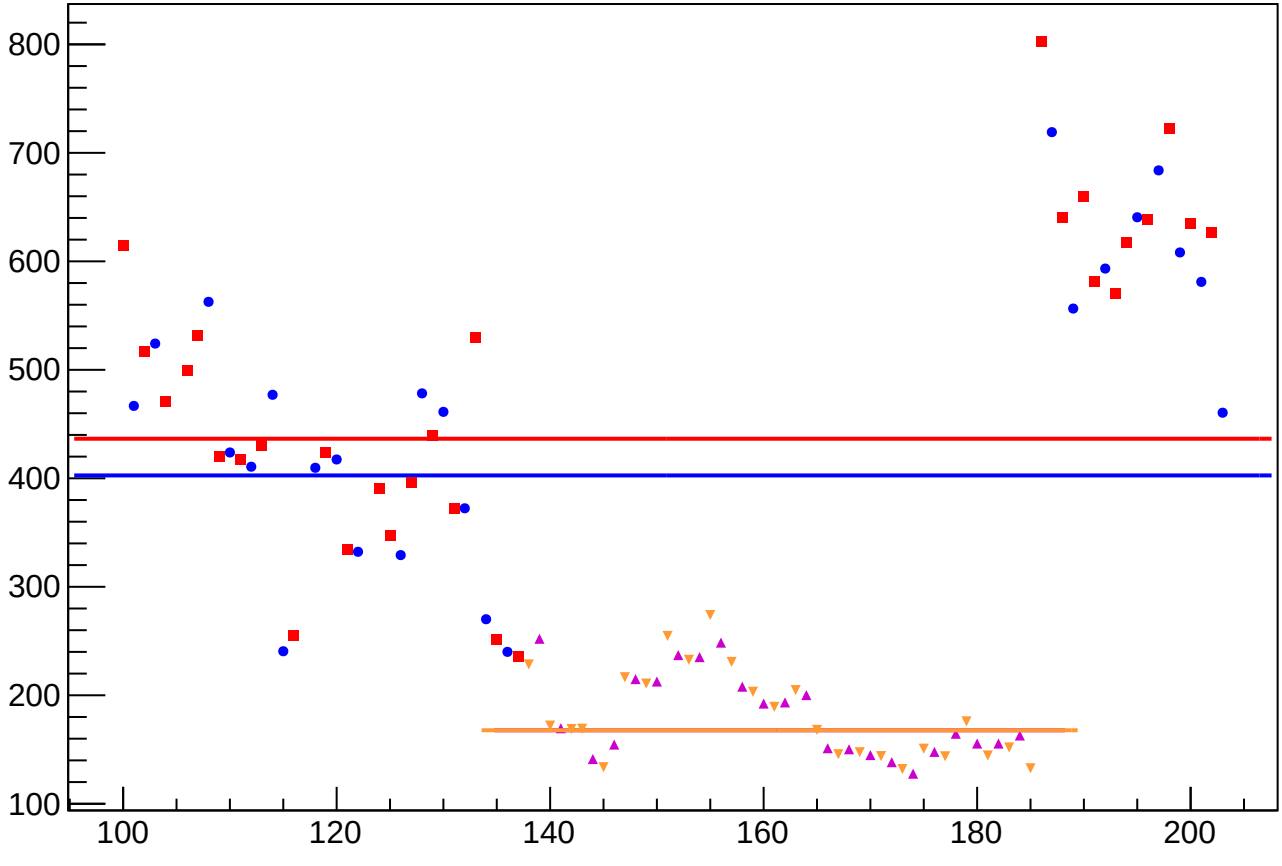
Right: -15.055+/-84.306 χ^2/NDF: 53.9/52

In: 2.444+/-37.923 χ^2/NDF:57.0/46

Out: 131.817+/-37.165 χ^2/NDF:102.8/53

All: 68.435+/-26.544 χ^2/NDF: 165.7/100

asym_sam_1357_2468_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 402.661+/-0.083 χ^2/NDF: 2657213.2/23

Left Out: 167.754+/-0.028 χ^2/NDF:1578231.3/24

Right Out: 436.493+/-0.086 χ^2/NDF: 2841874.4/28

Left In: 167.748+/-0.028 χ^2/NDF:1403120.1/22

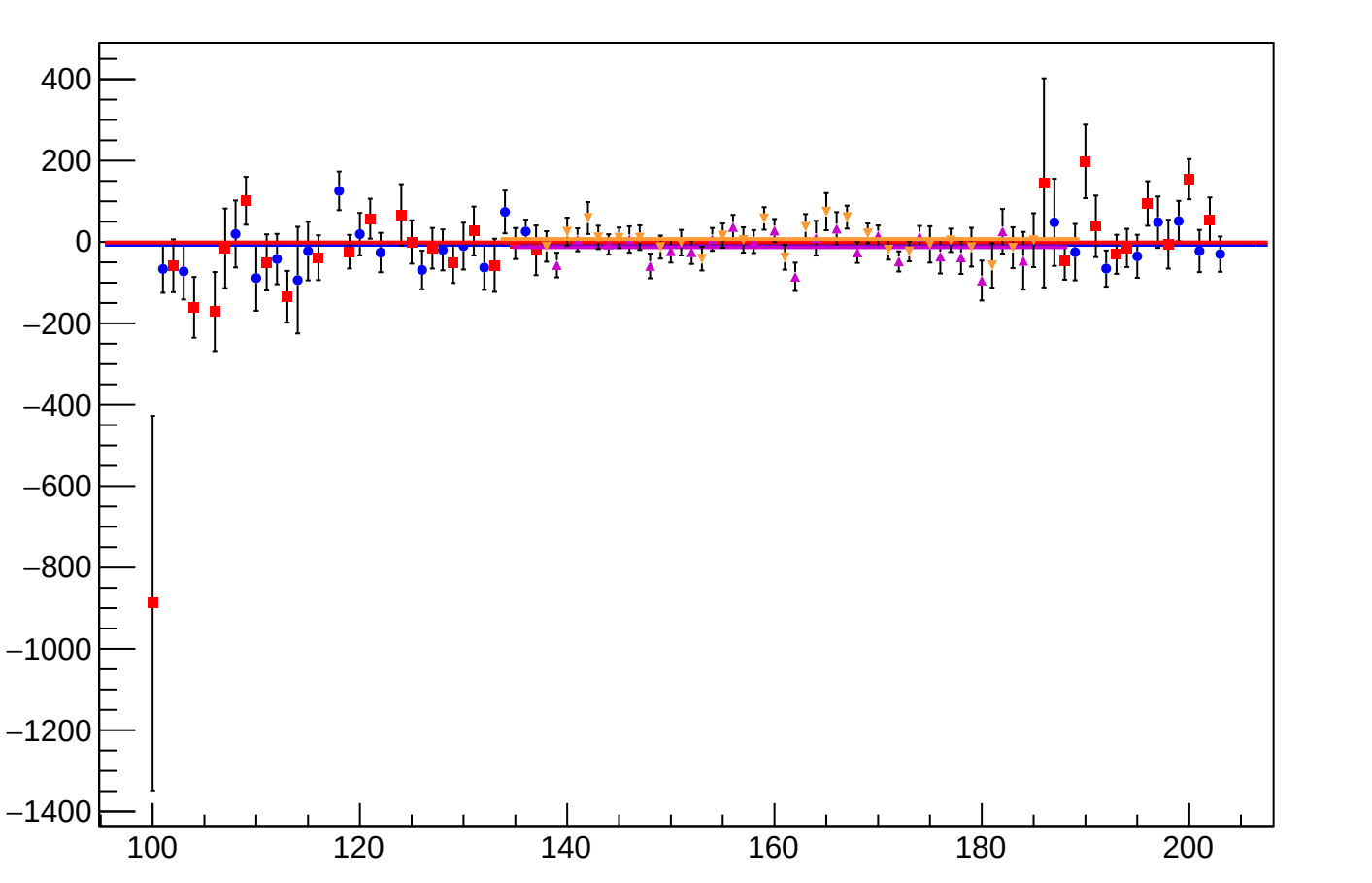
Left: 167.751+/-0.020 χ^2/NDF: 2981351.5/47

Right: 419.051+/-0.060 χ^2/NDF: 5579530.0/52

In: 192.254+/-0.027 χ^2/NDF:11230876.5/46

Out: 193.055+/-0.026 χ^2/NDF:13338290.9/53

All: 192.663+/-0.019 χ^2/NDF: 24569623.4/10



Right In: -6.840+/-10.983 χ^2/NDF: 23.4/23

Left Out: 7.079+/-6.333 χ^2/NDF:22.7/24

Right Out: -1.279+/-10.836 χ^2/NDF: 46.0/28

Left In: -12.697+/-6.513 χ^2/NDF:25.6/22

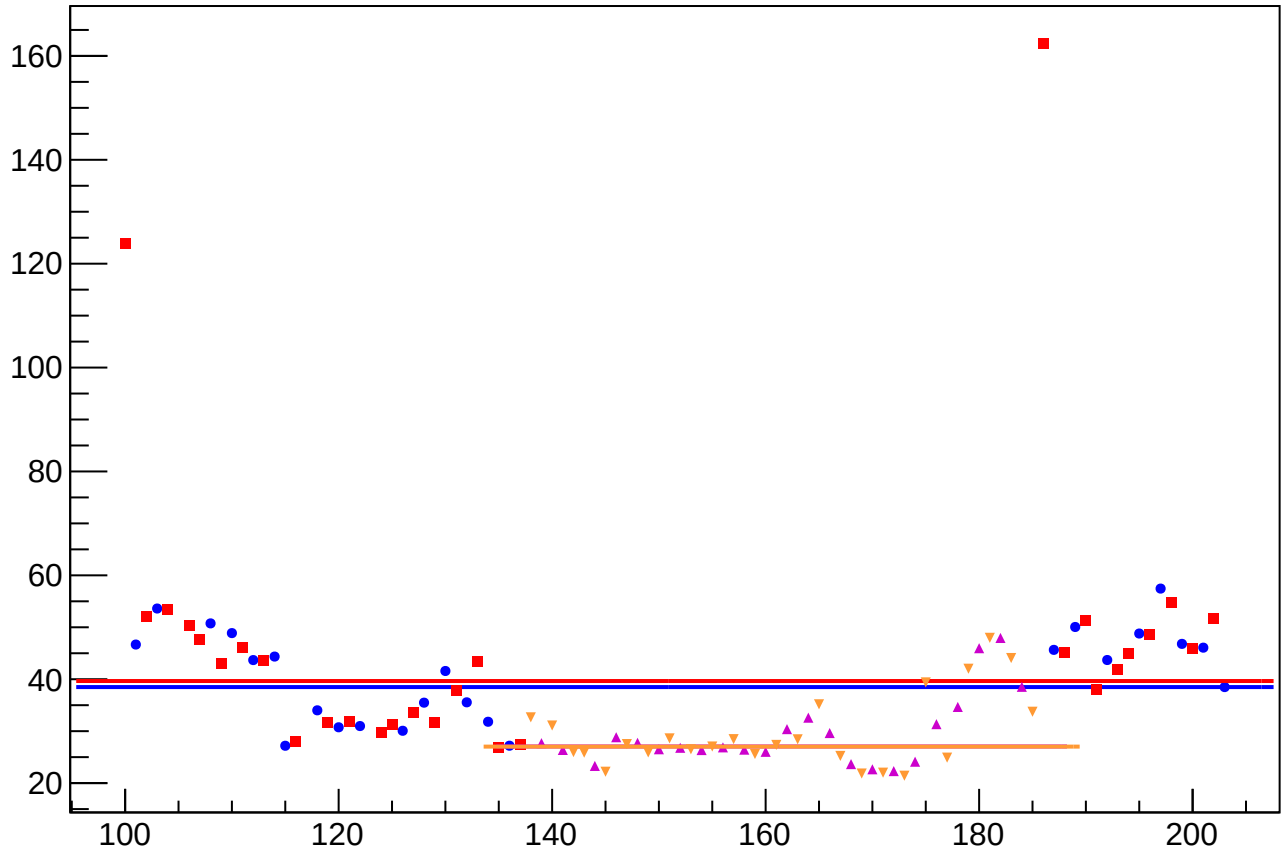
Left: -2.531+/-4.541 χ^2/NDF: 53.1/47

Right: -4.022+/-7.714 χ^2/NDF: 69.5/52

In: -11.173+/-5.602 χ^2/NDF:49.2/46

Out: 4.951+/-5.468 χ^2/NDF:69.2/53

All: -2.915+/-3.913 χ^2/NDF: 122.7/100



Right In: 38.489+/-0.008 χ^2/NDF: 1252971.8/23

Left Out: 27.026+/-0.004 χ^2/NDF:1430523.7/24

Right Out: 39.654+/-0.008 χ^2/NDF: 1820341.1/28

Left In: 27.052+/-0.005 χ^2/NDF:1044359.4/22

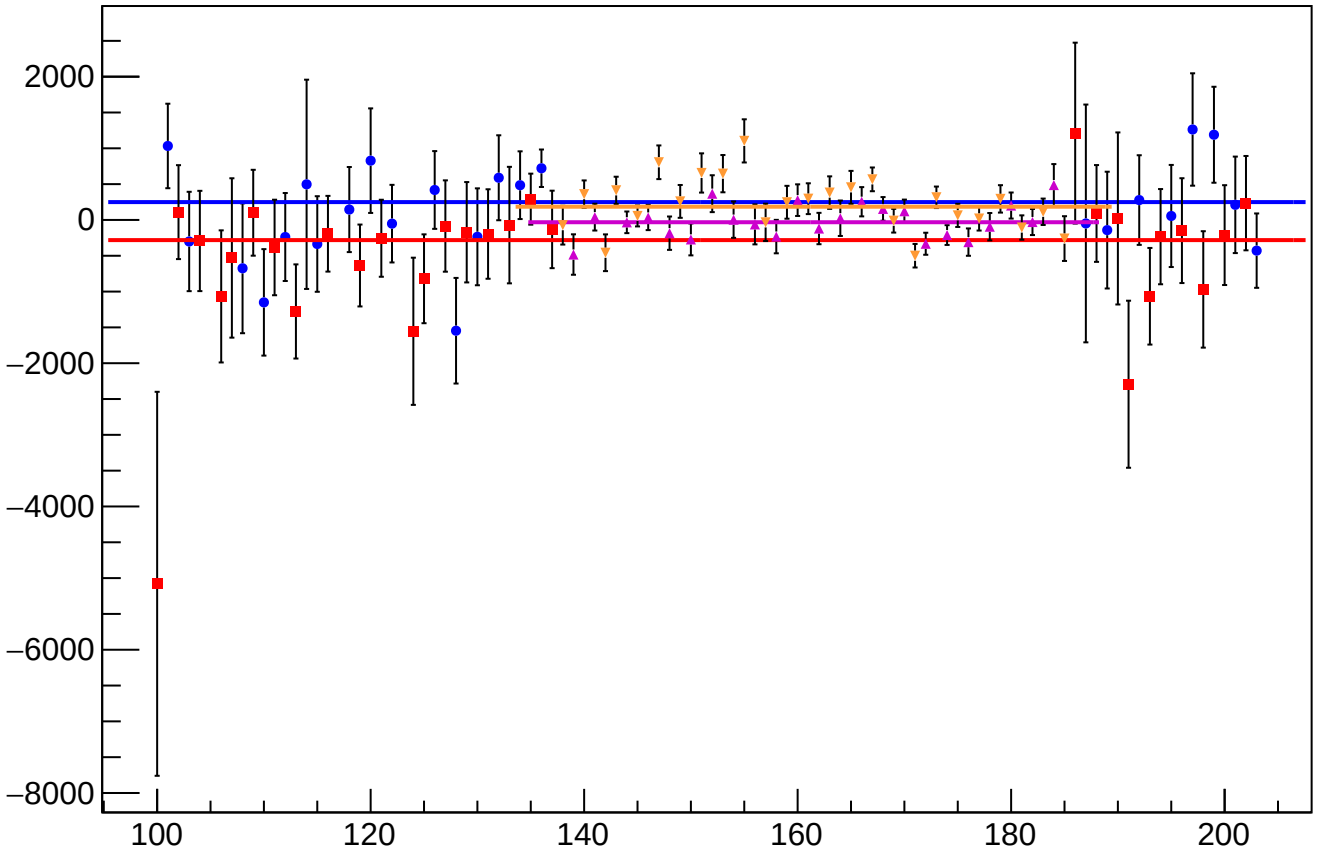
Left: 27.039+/-0.003 χ^2/NDF: 2474899.1/47

Right: 39.079+/-0.005 χ^2/NDF: 3084713.8/52

In: 30.028+/-0.004 χ^2/NDF:3901841.8/46

Out: 30.241+/-0.004 χ^2/NDF:5275283.8/53

All: 30.137+/-0.003 χ^2/NDF: 9178611.3/100



Right In: 249.202+/-122.186 χ^2/NDF: 25.4/23

Left Out: 184.675+/-39.832 χ^2/NDF:67.7/24

Right Out: -281.468+/-125.171 χ^2/NDF: 20.1/28

Left In: -31.891+/-40.975 χ^2/NDF:26.4/22

Left: 79.454+/-28.561 χ^2/NDF: 108.4/47

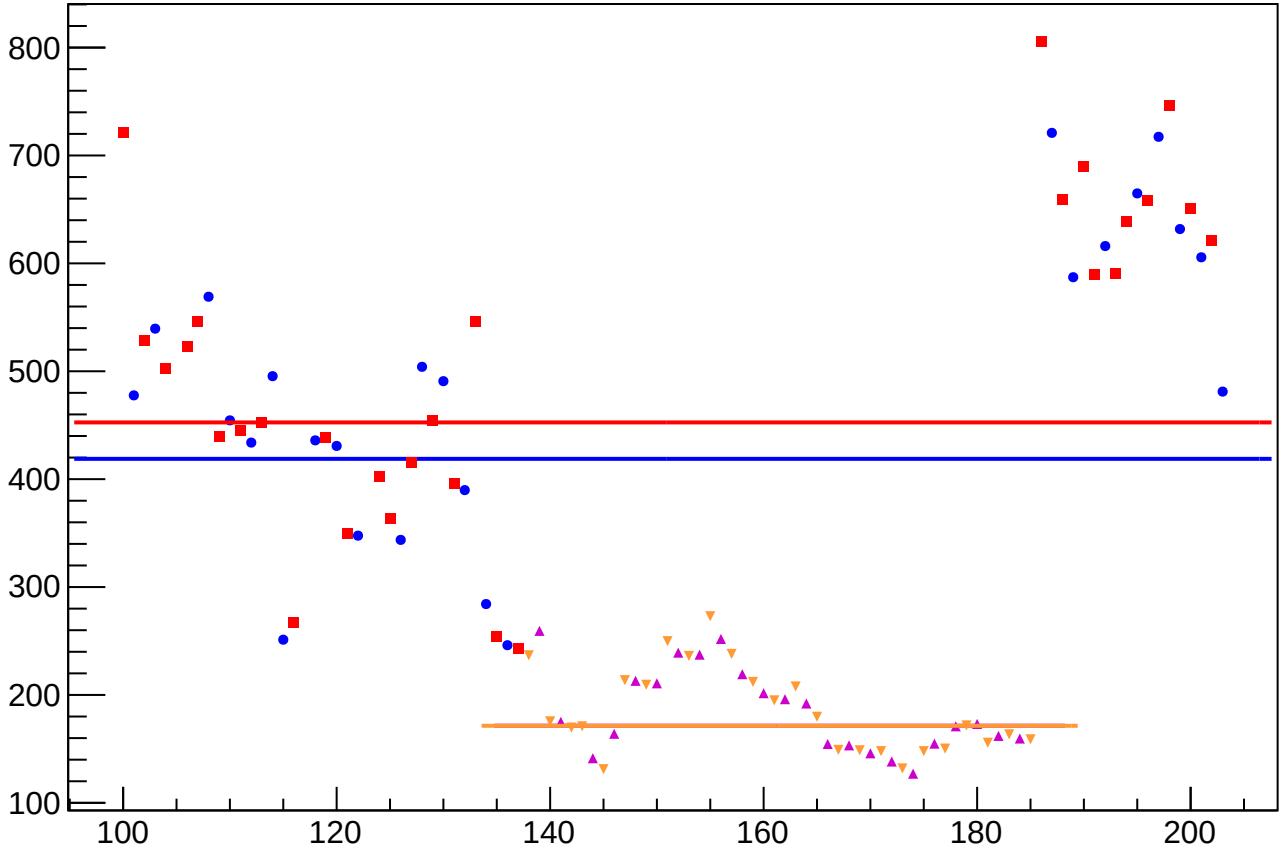
Right: -9.731+/-87.435 χ^2/NDF: 54.8/52

In: -3.475+/-38.849 χ^2/NDF:56.6/46

Out: 141.811+/-37.956 χ^2/NDF:100.4/53

All: 70.855+/-27.149 χ^2/NDF: 164.1/100

asym_sam_1357_2468_dd_dit_correction_rms vs Slug, Sign Corrected



Right In: 418.822+/-0.086 χ^2/NDF: 2699376.9/23

Left Out: 171.427+/-0.028 χ^2/NDF:1526852.0/24

Right Out: 452.590+/-0.089 χ^2/NDF: 2822288.1/28

Left In: 171.490+/-0.029 χ^2/NDF:1415769.4/22

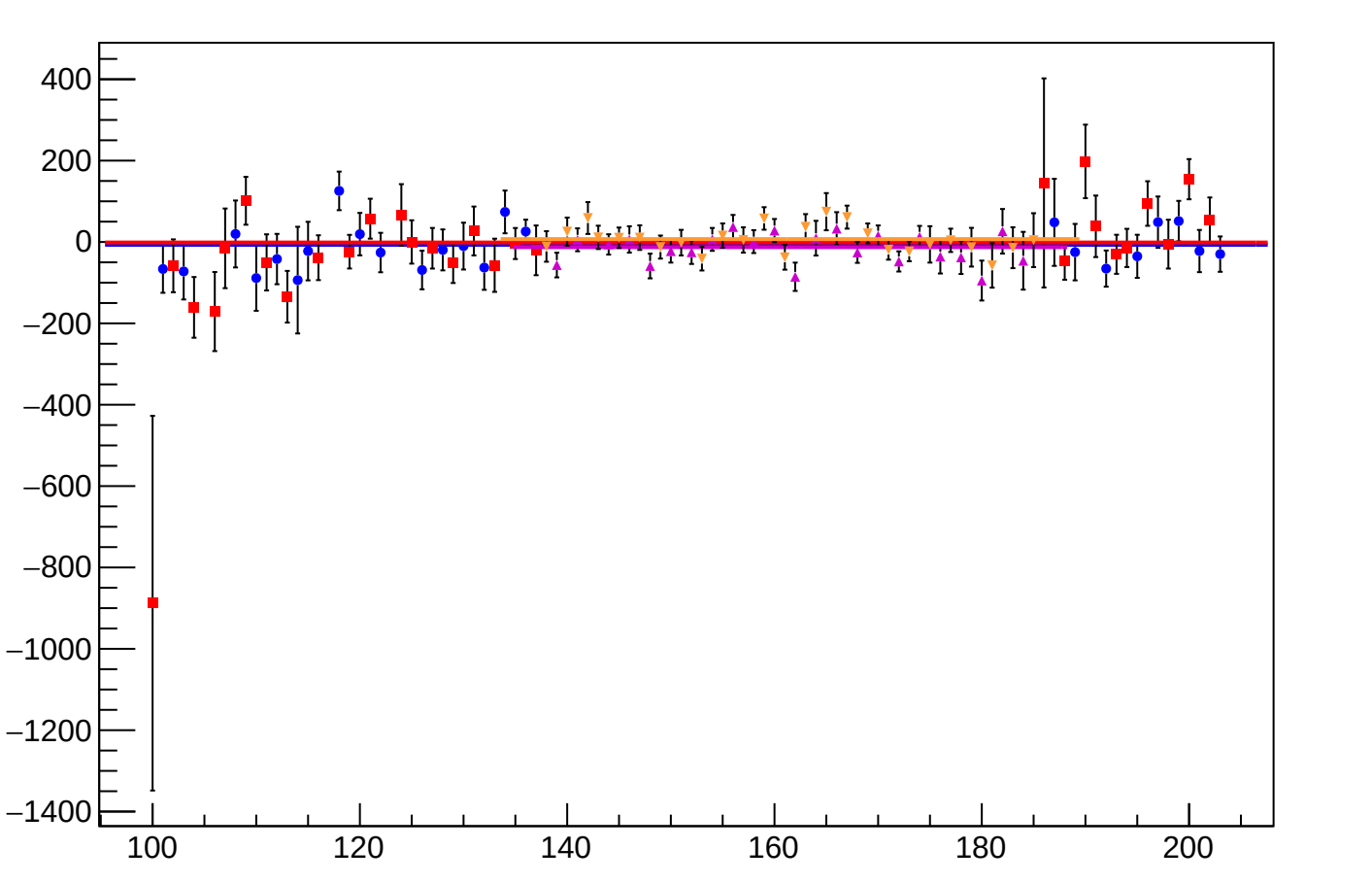
Left: 171.457+/-0.020 χ^2/NDF: 2942623.8/47

Right: 435.299+/-0.062 χ^2/NDF: 5596199.4/52

In: 196.493+/-0.027 χ^2/NDF:11481673.6/46

Out: 197.281+/-0.027 χ^2/NDF:13512410.8/53

All: 196.896+/-0.019 χ^2/NDF: 24994505.4/10



Right In: -6.841+/-10.983 χ^2/NDF: 23.4/23

Left Out: 7.079+/-6.333 χ^2/NDF:22.7/24

Right Out: -1.279+/-10.836 χ^2/NDF: 46.0/28

Left In: -12.697+/-6.513 χ^2/NDF:25.6/22

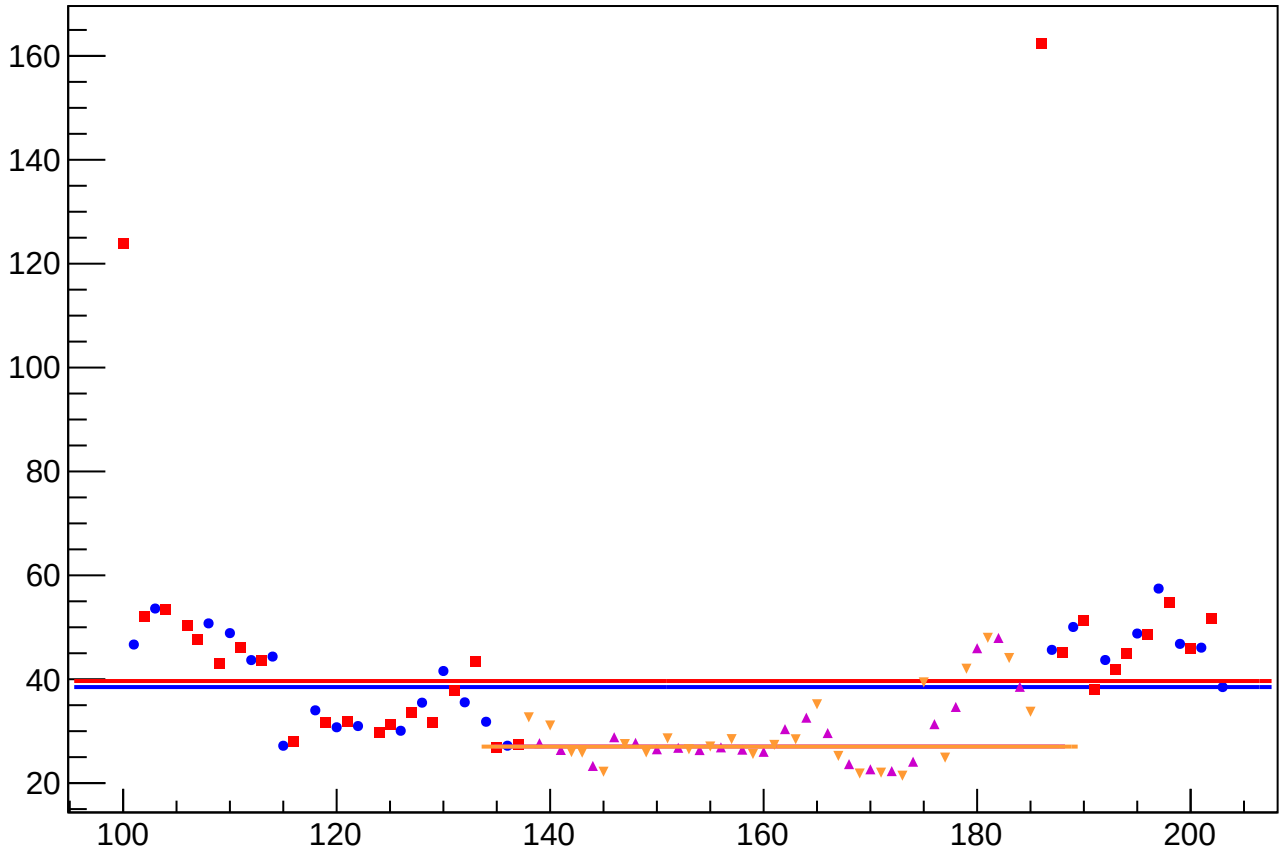
Left: -2.531+/-4.541 χ^2/NDF: 53.1/47

Right: -4.022+/-7.714 χ^2/NDF: 69.5/52

In: -11.173+/-5.602 χ^2/NDF:49.2/46

Out: 4.951+/-5.468 χ^2/NDF:69.2/53

All: -2.915+/-3.913 χ^2/NDF: 122.7/100



Right In: 38.489+/-0.008 χ^2/NDF: 1252977.0/23

Left Out: 27.026+/-0.004 χ^2/NDF:1430534.9/24

Right Out: 39.654+/-0.008 χ^2/NDF: 1820374.2/28

Left In: 27.052+/-0.005 χ^2/NDF:1044338.2/22

Left: 27.039+/-0.003 χ^2/NDF: 2474889.1/47

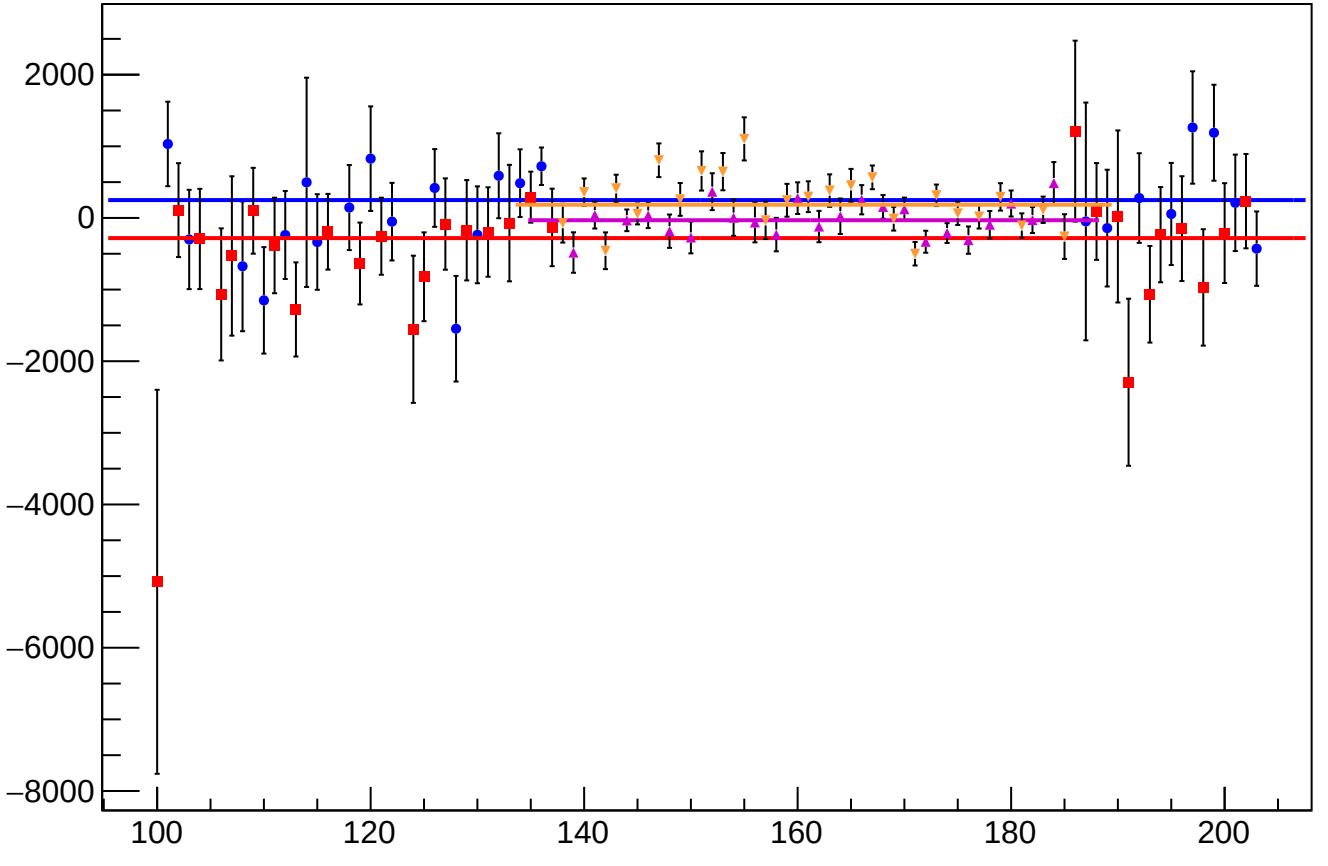
Right: 39.079+/-0.005 χ^2/NDF: 3084754.0/52

In: 30.028+/-0.004 χ^2/NDF:3901715.7/46

Out: 30.241+/-0.004 χ^2/NDF:5275212.8/53

All: 30.137+/-0.003 χ^2/NDF: 9178414.8/100

asym_sam_1357_2468_dd_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: 249.200+/-122.186 χ^2/NDF: 25.4/23

Left Out: 184.674+/-39.832 χ^2/NDF:67.7/24

Right Out: -281.468+/-125.170 χ^2/NDF: 20.1/28

Left In: -31.891+/-40.975 χ^2/NDF:26.4/22

Left: 79.454+/-28.561 χ^2/NDF: 108.4/47

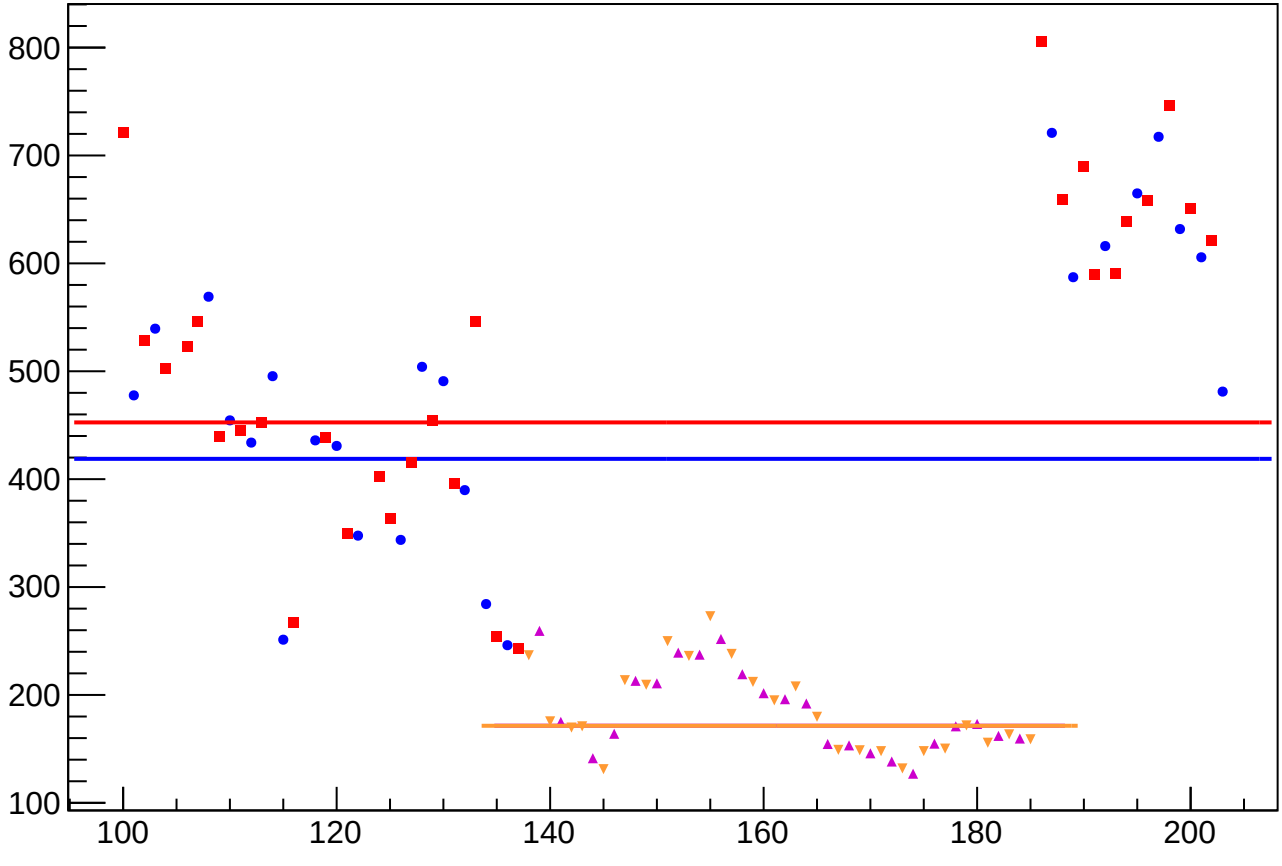
Right: -9.732+/-87.435 χ^2/NDF: 54.8/52

In: -3.476+/-38.849 χ^2/NDF:56.6/46

Out: 141.811+/-37.956 χ^2/NDF:100.4/53

All: 70.855+/-27.149 χ^2/NDF: 164.1/100

asym_sam_1357_2468_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 418.821+/-0.086 χ^2/NDF: 2699381.8/23

Left Out: 171.426+/-0.028 χ^2/NDF:1526868.9/24

Right Out: 452.589+/-0.089 χ^2/NDF: 2822299.4/28

Left In: 171.489+/-0.029 χ^2/NDF:1415782.1/22

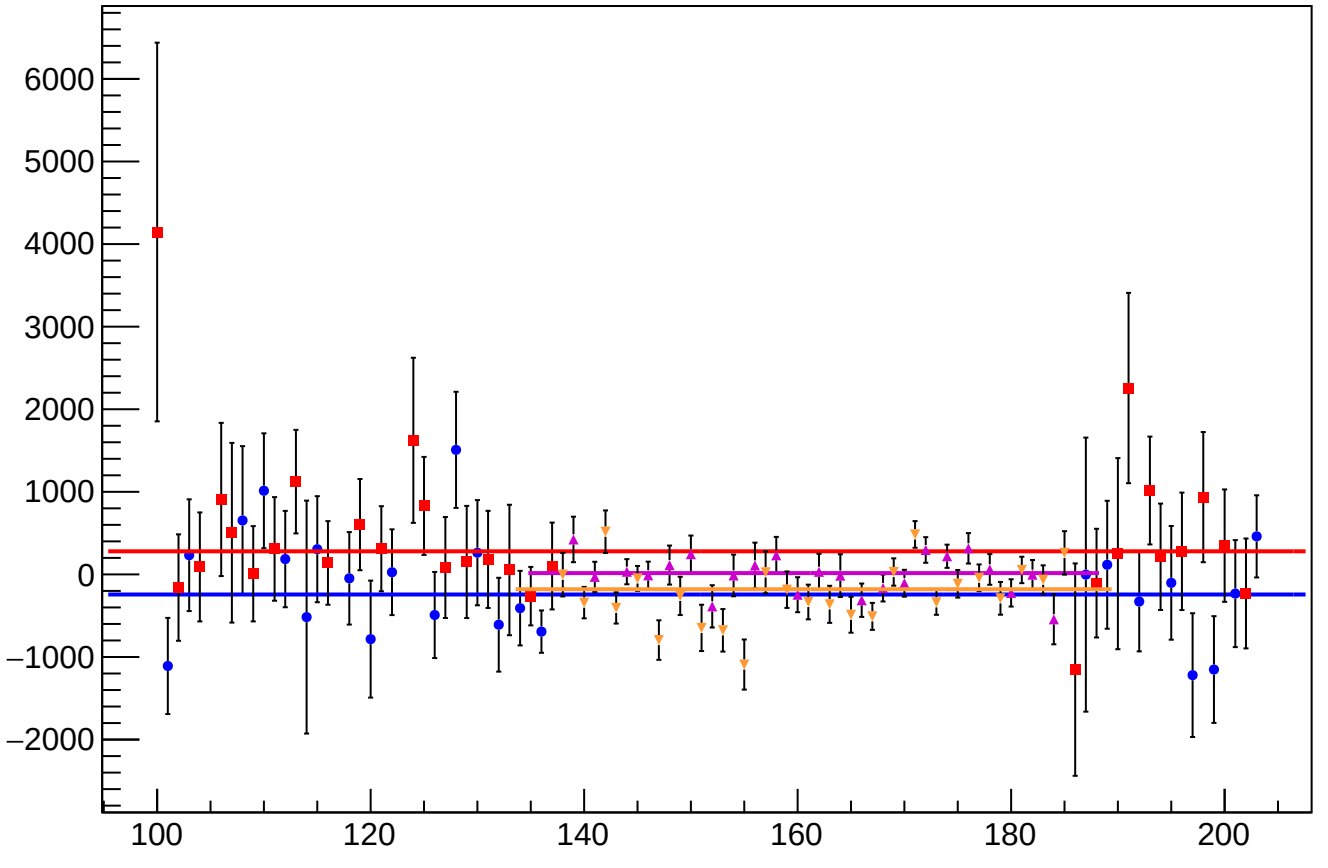
Left: 171.457+/-0.020 χ^2/NDF: 2942653.5/47

Right: 435.298+/-0.062 χ^2/NDF: 5596215.9/52

In: 196.492+/-0.027 χ^2/NDF:11481706.6/46

Out: 197.280+/-0.027 χ^2/NDF:13512449.5/53

All: 196.895+/-0.019 χ^2/NDF: 24994577.2/10



Right In: -243.397+/-117.795 χ^2/NDF: 25.9/23

Left Out: -179.656+/-39.364 χ^2/NDF:67.1/24

Right Out: 279.674+/-121.359 χ^2/NDF: 18.8/28

Left In: 16.057+/-40.396 χ^2/NDF:26.6/22

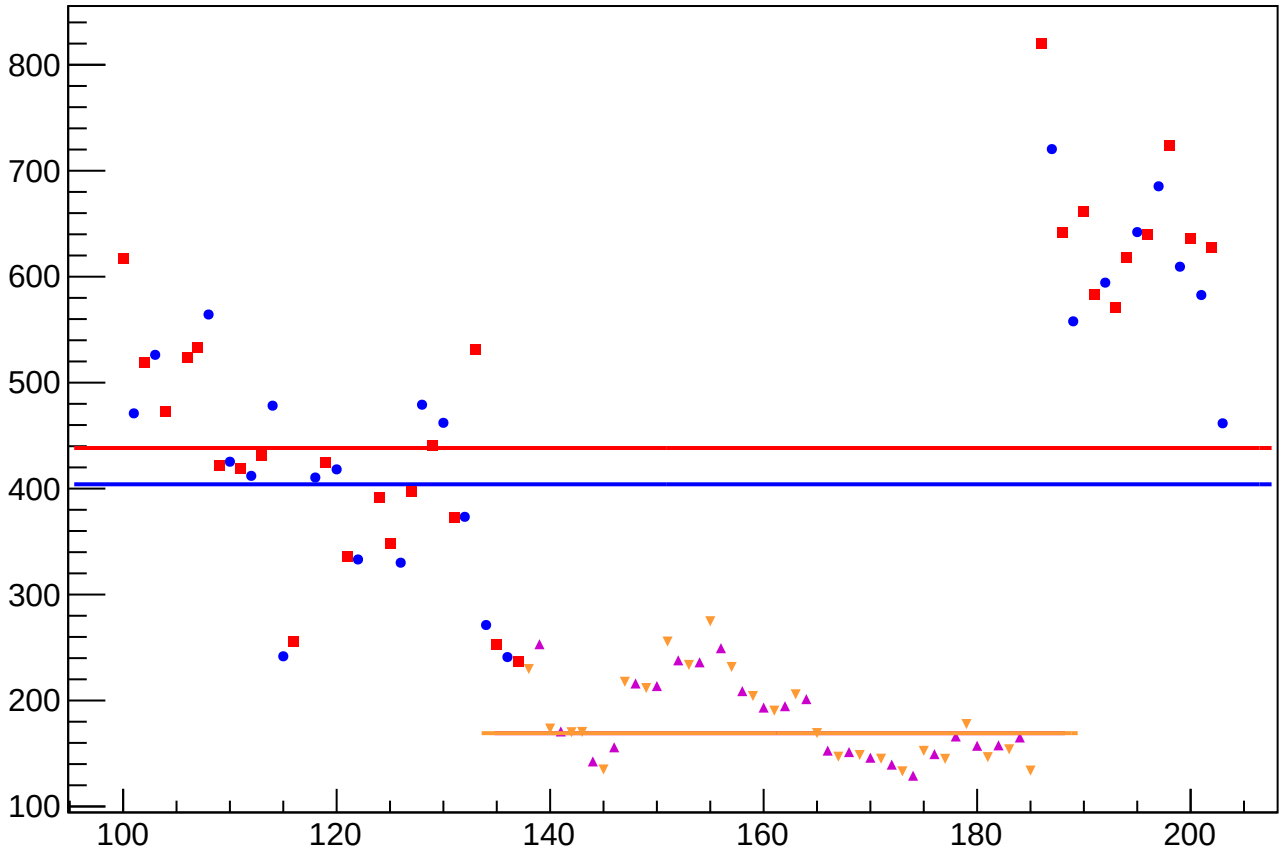
Left: -84.333+/-28.192 χ^2/NDF: 105.8/47

Right: 10.345+/-84.525 χ^2/NDF: 54.3/52

In: -11.245+/-38.212 χ^2/NDF:56.9/46

Out: -135.931+/-37.443 χ^2/NDF:98.9/53

All: -74.855+/-26.744 χ^2/NDF: 161.2/100



Right In: 404.062+/-0.083 χ^2/NDF: 2648795.6/23

Left Out: 169.182+/-0.028 χ^2/NDF:1547748.9/24

Right Out: 438.320+/-0.086 χ^2/NDF: 2850122.1/28

Left In: 169.187+/-0.029 χ^2/NDF:1374439.5/22

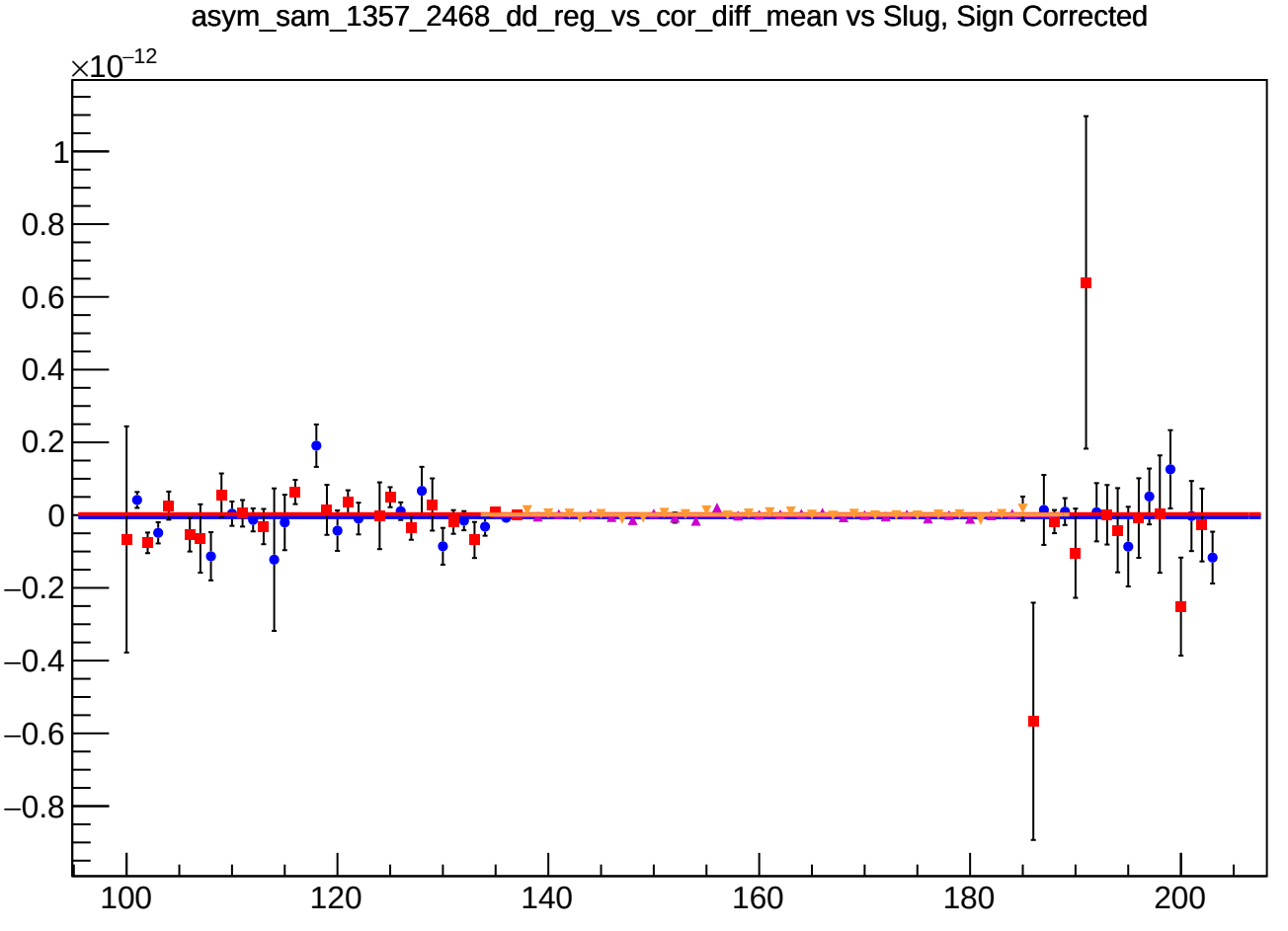
Left: 169.184+/-0.020 χ^2/NDF: 2922188.4/47

Right: 420.680+/-0.060 χ^2/NDF: 5580978.7/52

In: 193.903+/-0.027 χ^2/NDF:11138027.0/46

Out: 194.802+/-0.026 χ^2/NDF:13297961.9/53

All: 194.361+/-0.019 χ^2/NDF: 24436553.2/10



Right In: -0.000+/-0.000 χ^2/NDF: 32.6/23

Left Out: 0.000+/-0.000 χ^2/NDF:18.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 33.0/28

Left In: -0.000+/-0.000 χ^2/NDF:19.7/22

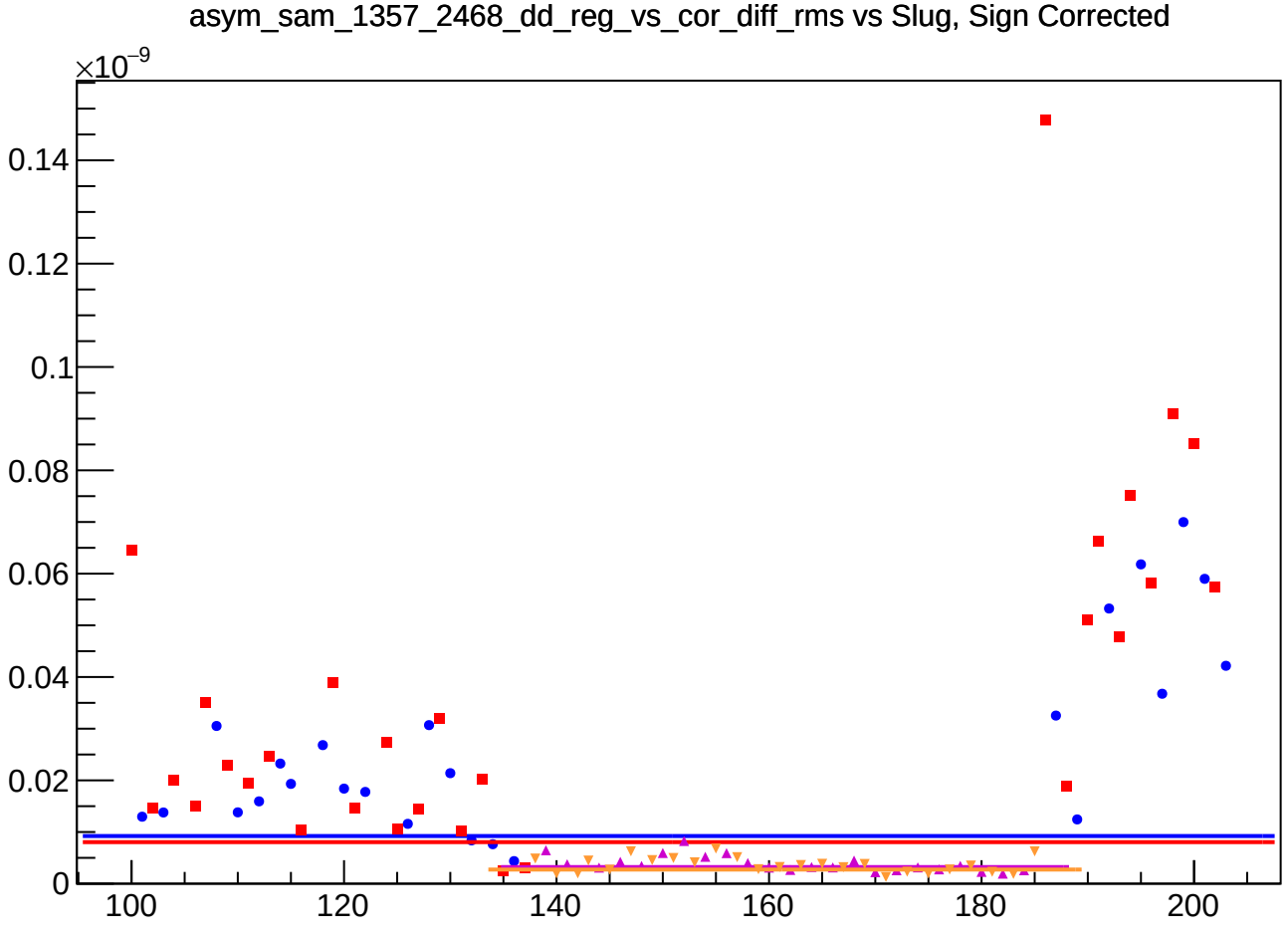
Left: 0.000+/-0.000 χ^2/NDF: 41.2/47

Right: -0.000+/-0.000 χ^2/NDF: 66.8/52

In: -0.000+/-0.000 χ^2/NDF:52.8/46

Out: 0.000+/-0.000 χ^2/NDF:51.9/53

All: 0.000+/-0.000 χ^2/NDF: 108.1/100



Right In: 0.000+/-0.000 χ^2/NDF: 5096004.7/23

Left Out: 0.000+/-0.000 χ^2/NDF:1923193.7/24

Right Out: 0.000+/-0.000 χ^2/NDF: 7596924.0/28

Left In: 0.000+/-0.000 χ^2/NDF:1355602.1/22

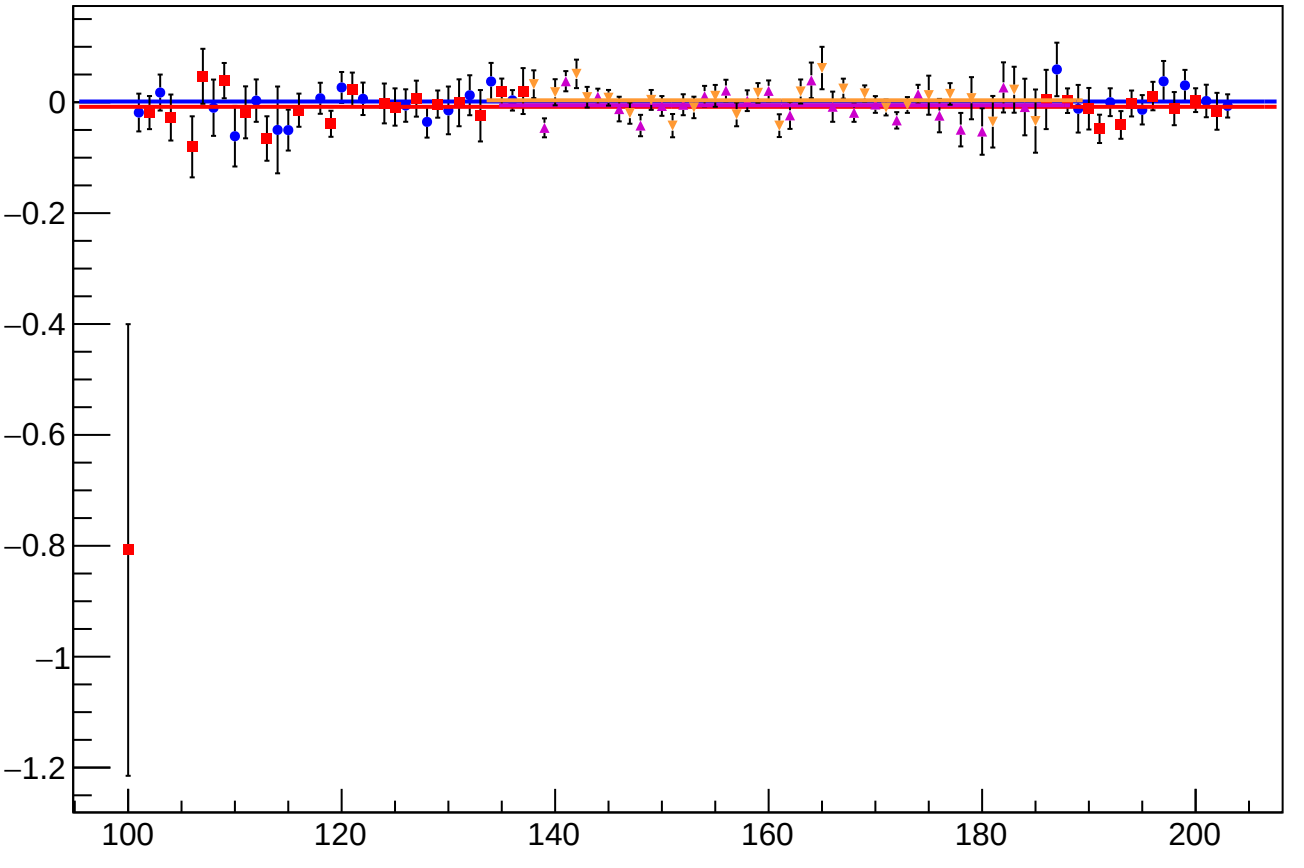
Left: 0.000+/-0.000 χ^2/NDF: 3427530.5/47

Right: 0.000+/-0.000 χ^2/NDF: 12739135.4/52

In: 0.000+/-0.000 χ^2/NDF:8669563.0/46

Out: 0.000+/-0.000 χ^2/NDF:11349970.3/53

All: 0.000+/-0.000 χ^2/NDF: 20244957.2/100



Right In: 0.001+/-0.006 χ^2/NDF: 12.4/23

Left Out: 0.003+/-0.004 χ^2/NDF:26.9/24

Right Out: -0.008+/-0.006 χ^2/NDF: 21.8/28

Left In: -0.005+/-0.004 χ^2/NDF:33.2/22

Left: -0.001+/-0.003 χ^2/NDF: 62.5/47

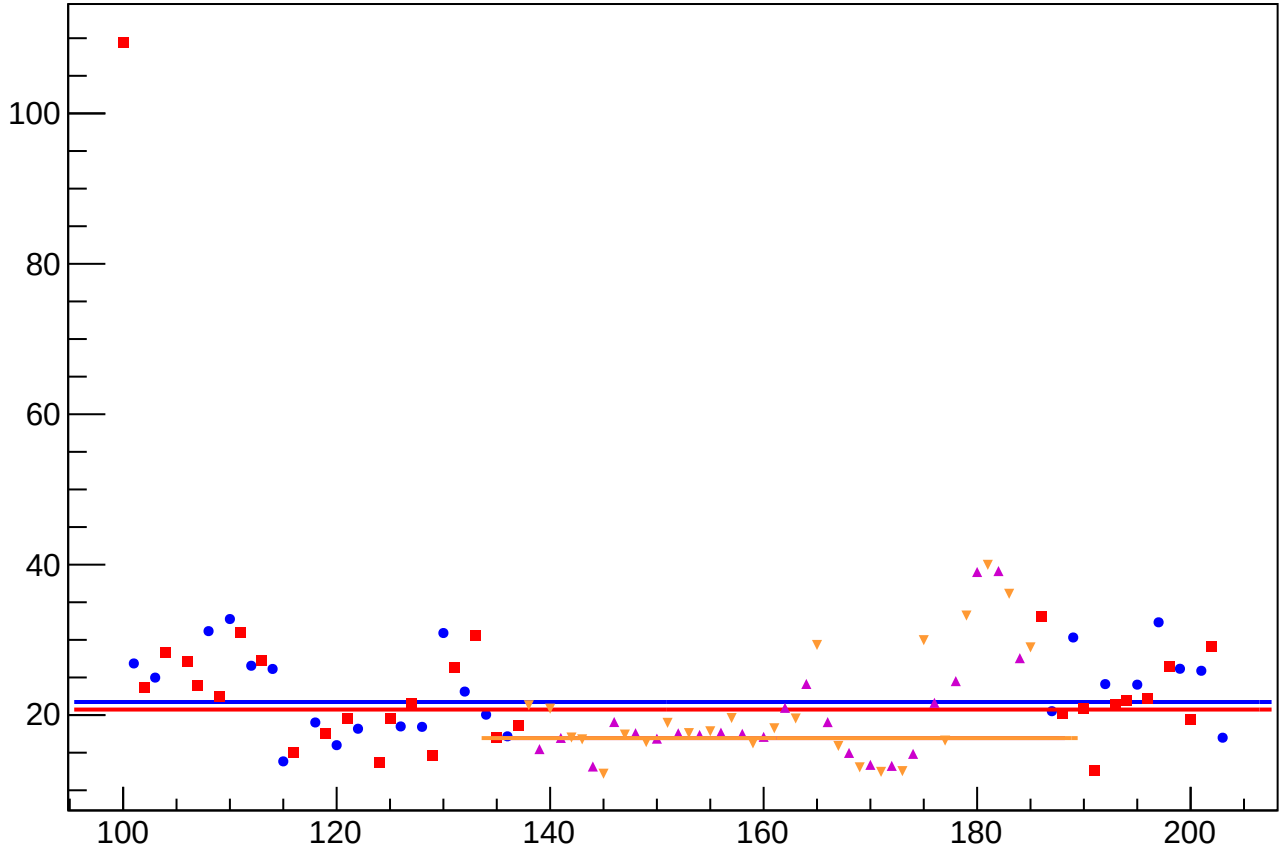
Right: -0.004+/-0.004 χ^2/NDF: 35.5/52

In: -0.003+/-0.003 χ^2/NDF:46.5/46

Out: -0.000+/-0.003 χ^2/NDF:51.5/53

All: -0.002+/-0.002 χ^2/NDF: 98.3/100

asym_sam_1357_2468_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 21.738+/-0.004 χ^2/NDF: 1225117.4/23

Left Out: 16.939+/-0.003 χ^2/NDF:2836877.8/24

Right Out: 20.734+/-0.004 χ^2/NDF: 1402185.9/28

Left In: 16.943+/-0.003 χ^2/NDF:1941845.2/22

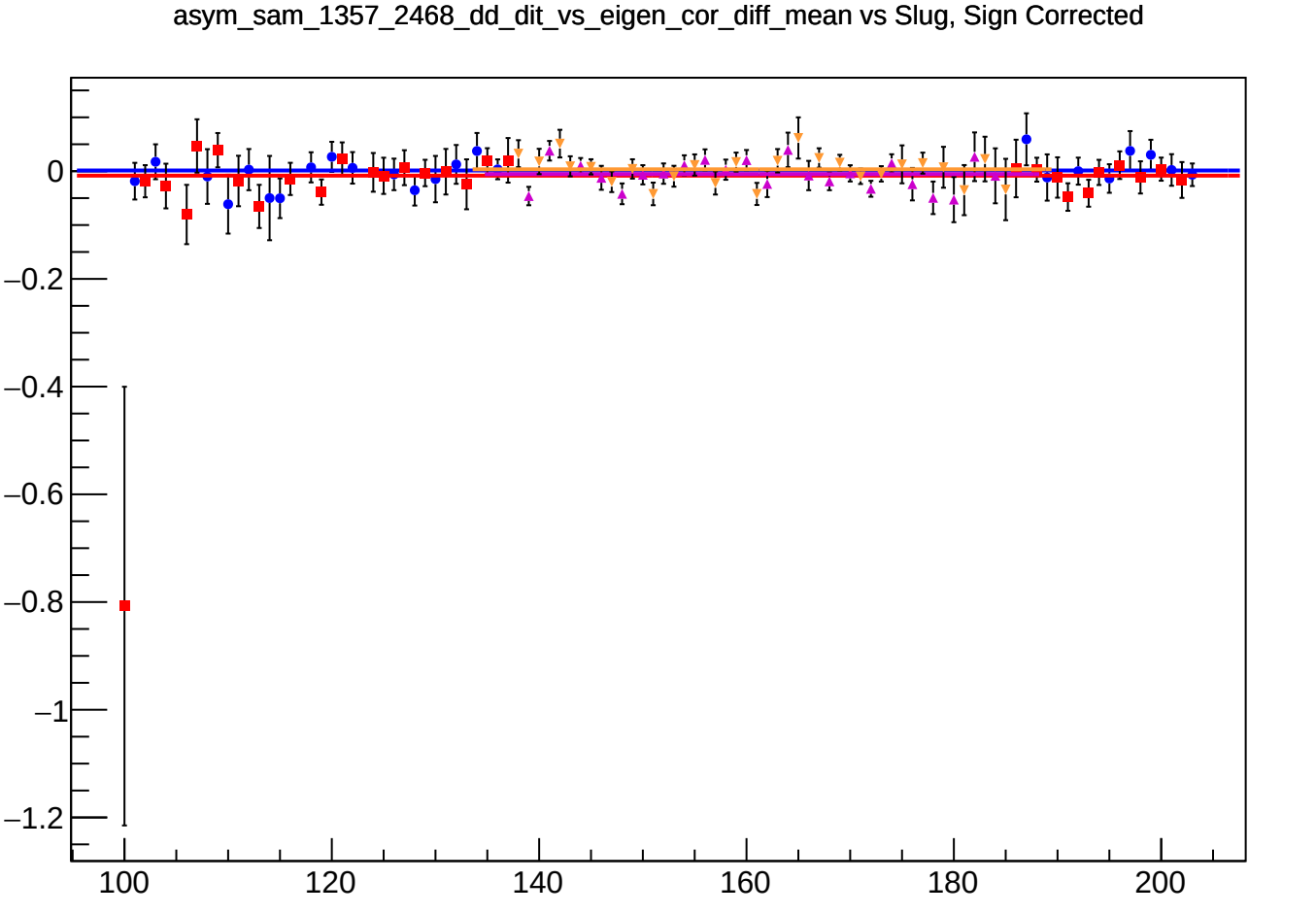
Left: 16.941+/-0.002 χ^2/NDF: 4778723.9/47

Right: 21.190+/-0.003 χ^2/NDF: 2654625.7/52

In: 18.399+/-0.002 χ^2/NDF:3962254.4/46

Out: 18.203+/-0.002 χ^2/NDF:4812713.2/53

All: 18.297+/-0.002 χ^2/NDF: 8778254.8/100



Right In: 0.001+/-0.006 χ^2/NDF: 12.4/23

Left Out: 0.003+/-0.004 χ^2/NDF:26.9/24

Right Out: -0.008+/-0.006 χ^2/NDF: 21.8/28

Left In: -0.005+/-0.004 χ^2/NDF:33.2/22

Left: -0.001+/-0.003 χ^2/NDF: 62.5/47

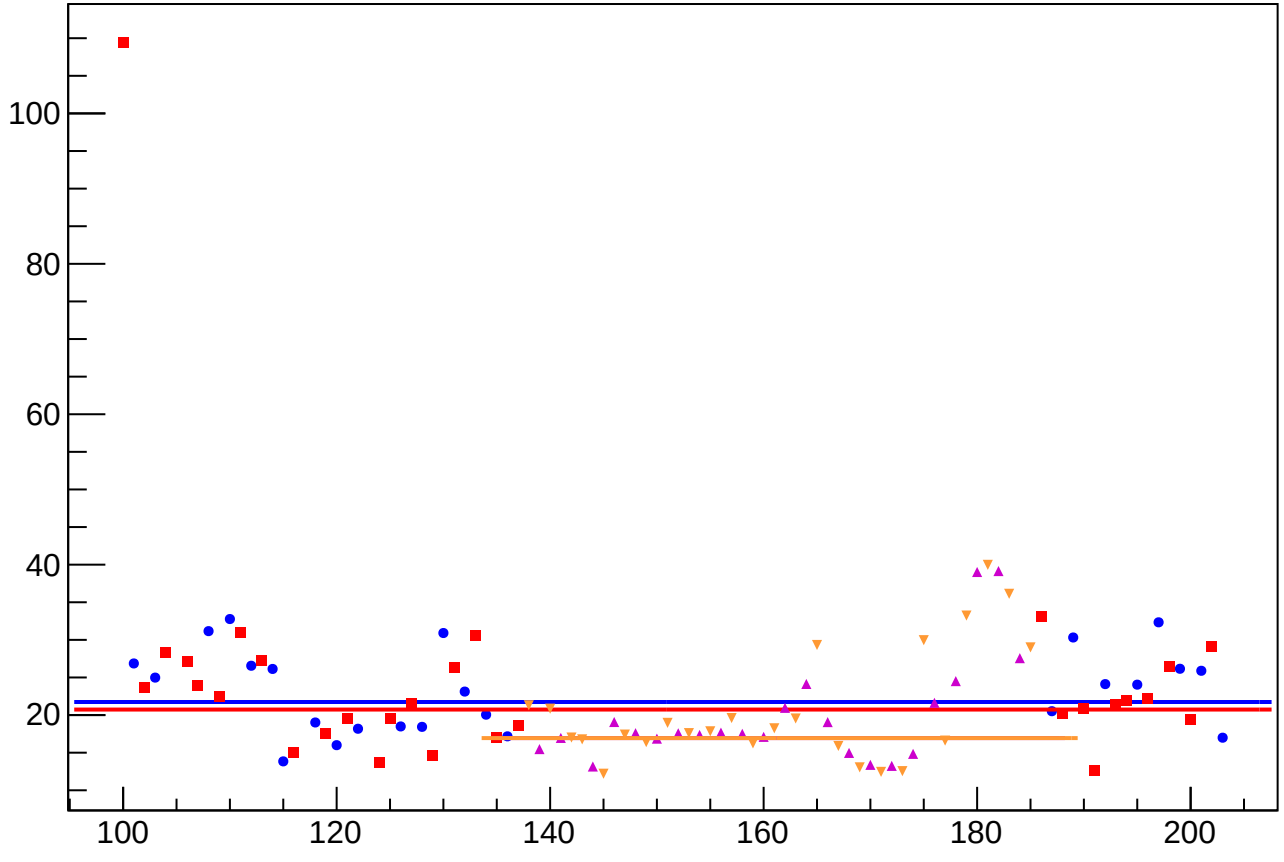
Right: -0.004+/-0.004 χ^2/NDF: 35.5/52

In: -0.003+/-0.003 χ^2/NDF:46.5/46

Out: -0.000+/-0.003 χ^2/NDF:51.5/53

All: -0.002+/-0.002 χ^2/NDF: 98.3/100

asym_sam_1357_2468_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 21.738+/-0.004 χ^2/NDF: 1225117.4/23

Left Out: 16.939+/-0.003 χ^2/NDF:2836877.8/24

Right Out: 20.734+/-0.004 χ^2/NDF: 1402185.9/28

Left In: 16.943+/-0.003 χ^2/NDF:1941845.2/22

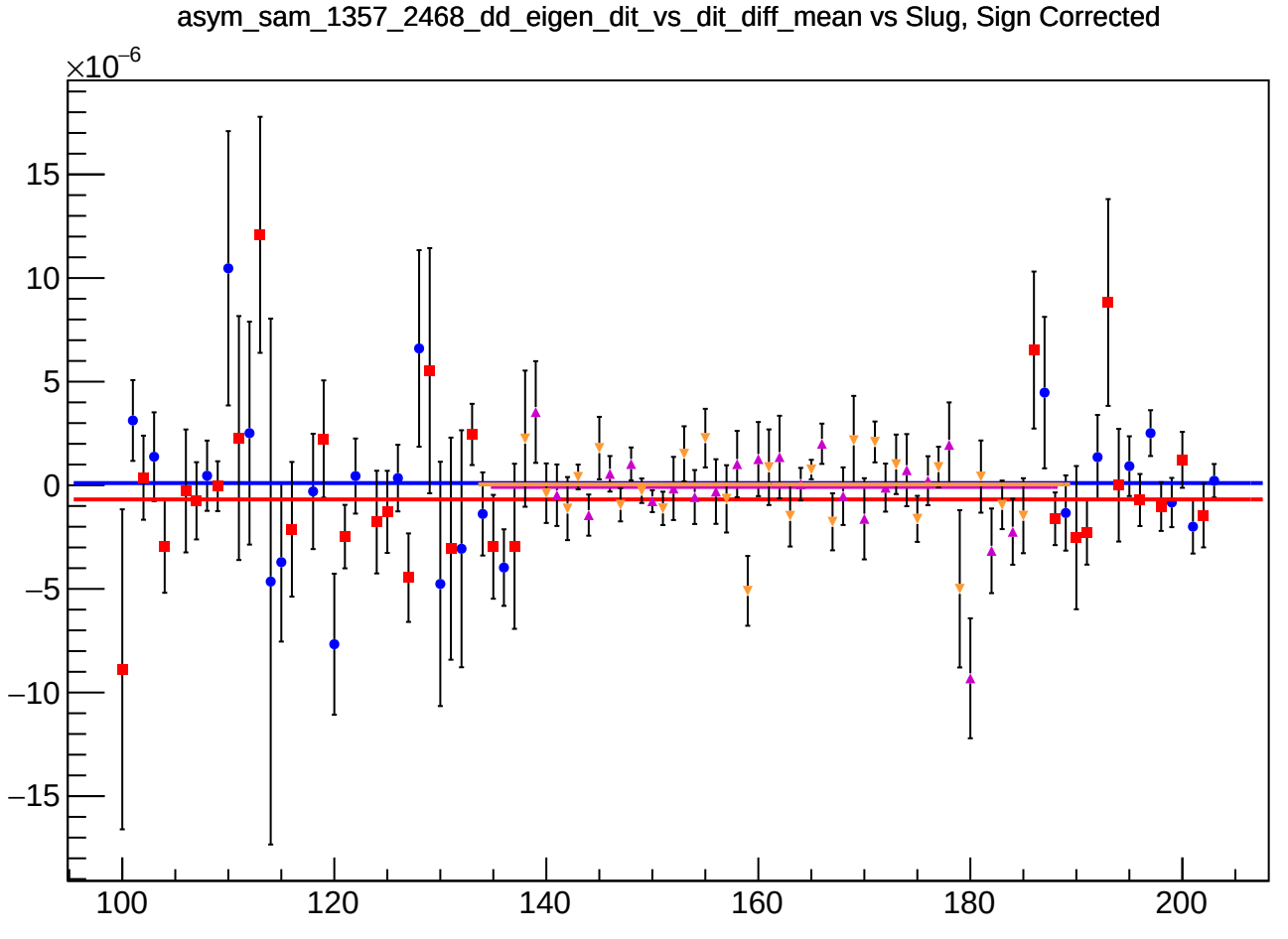
Left: 16.941+/-0.002 χ^2/NDF: 4778723.9/47

Right: 21.190+/-0.003 χ^2/NDF: 2654625.7/52

In: 18.399+/-0.002 χ^2/NDF:3962254.4/46

Out: 18.203+/-0.002 χ^2/NDF:4812713.2/53

All: 18.297+/-0.002 χ^2/NDF: 8778254.8/100



Right In: 0.000+/-0.000 χ^2/NDF: 30.9/23

Left Out: 0.000+/-0.000 χ^2/NDF:37.2/24

Right Out: -0.000+/-0.000 χ^2/NDF: 32.5/28

Left In: -0.000+/-0.000 χ^2/NDF:31.0/22

Left: -0.000+/-0.000 χ^2/NDF: 68.3/47

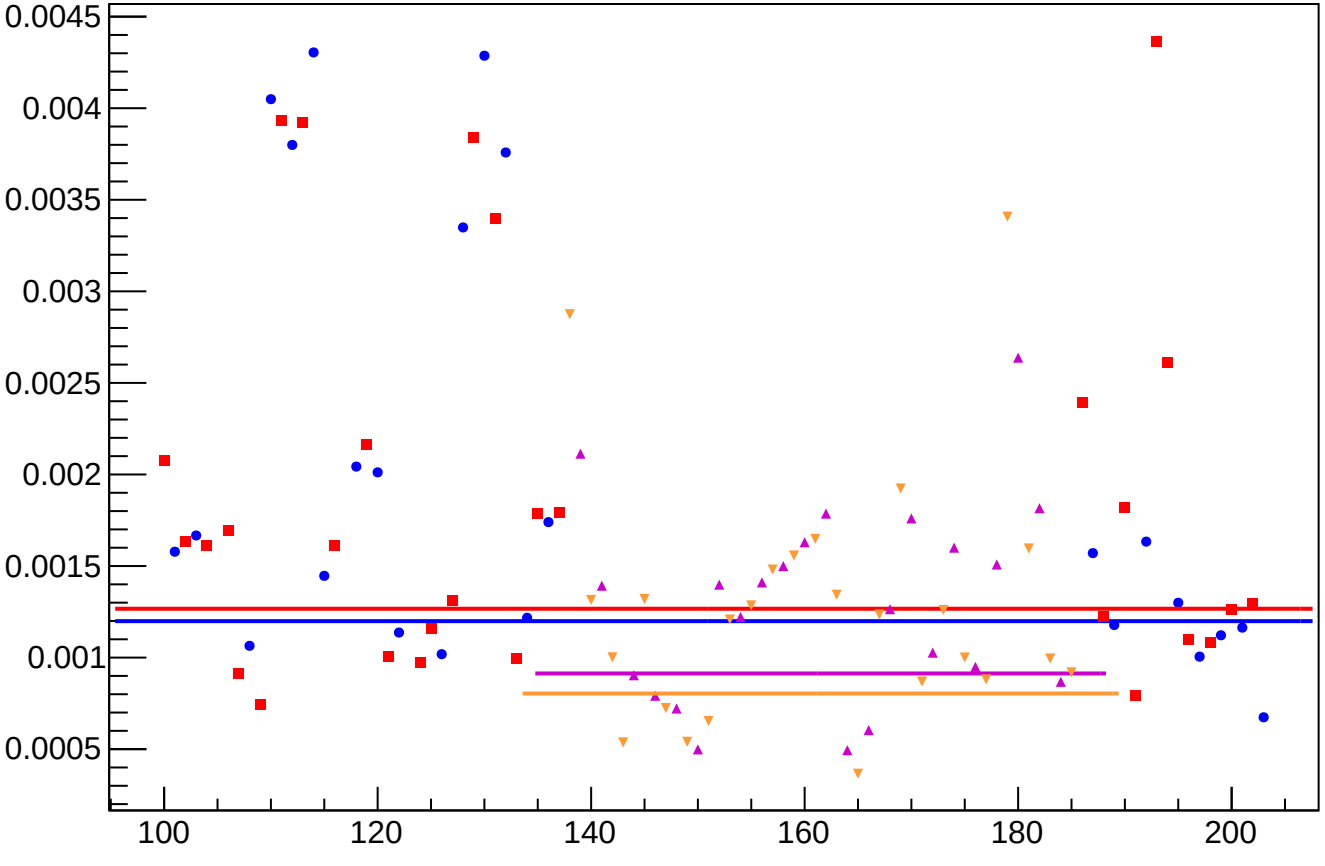
Right: -0.000+/-0.000 χ^2/NDF: 65.7/52

In: -0.000+/-0.000 χ^2/NDF:62.1/46

Out: -0.000+/-0.000 χ^2/NDF:72.6/53

All: -0.000+/-0.000 χ^2/NDF: 134.8/100

asym_sam_1357_2468_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.001+/-0.000 χ^2/NDF: 4043676.4/23

Left Out: 0.001+/-0.000 χ^2/NDF:8261261.7/24

Right Out: 0.001+/-0.000 χ^2/NDF: 4430748.9/28

Left In: 0.001+/-0.000 χ^2/NDF:6446479.8/22

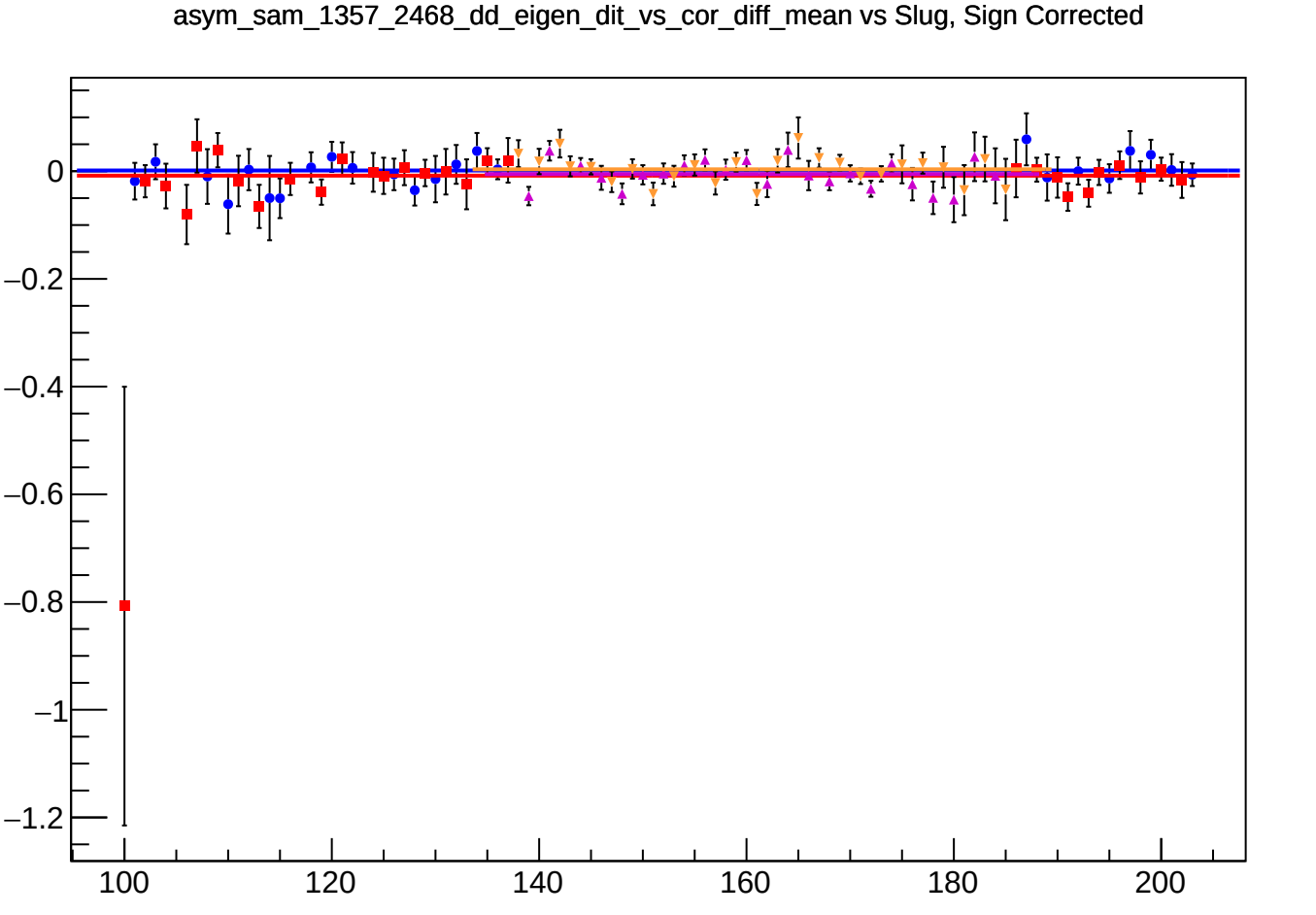
Left: 0.001+/-0.000 χ^2/NDF: 14939708.4/47

Right: 0.001+/-0.000 χ^2/NDF: 8507911.5/52

In: 0.001+/-0.000 χ^2/NDF:11317567.4/46

Out: 0.001+/-0.000 χ^2/NDF:15069936.3/53

All: 0.001+/-0.000 χ^2/NDF: 26573745.5/100



Right In: 0.001+/-0.006 χ^2/NDF: 12.4/23

Left Out: 0.003+/-0.004 χ^2/NDF:26.9/24

Right Out: -0.008+/-0.006 χ^2/NDF: 21.8/28

Left In: -0.005+/-0.004 χ^2/NDF:33.2/22

Left: -0.001+/-0.003 χ^2/NDF: 62.5/47

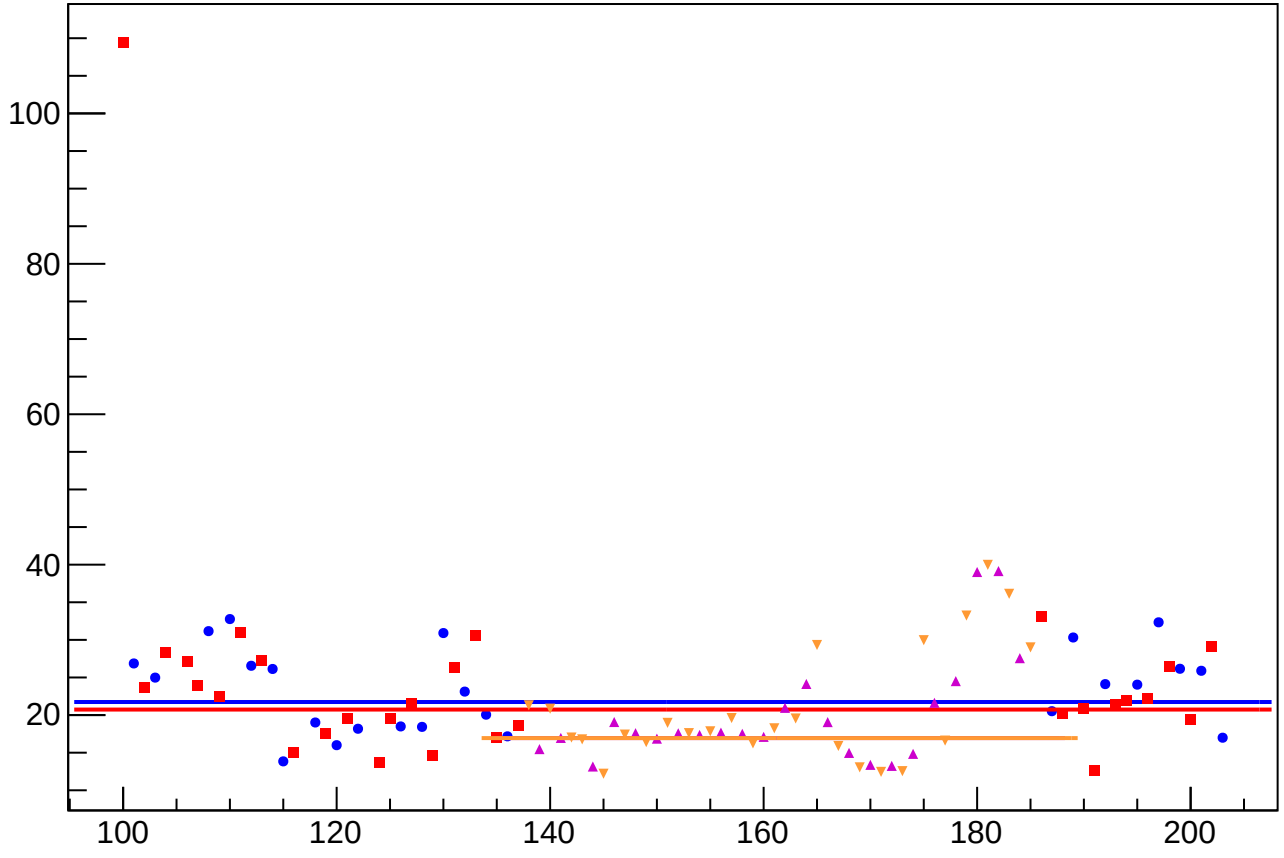
Right: -0.004+/-0.004 χ^2/NDF: 35.5/52

In: -0.003+/-0.003 χ^2/NDF:46.5/46

Out: -0.000+/-0.003 χ^2/NDF:51.5/53

All: -0.002+/-0.002 χ^2/NDF: 98.3/100

asym_sam_1357_2468_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 21.738+/-0.004 χ^2/NDF: 1225090.7/23

Left Out: 16.939+/-0.003 χ^2/NDF:2836863.1/24

Right Out: 20.734+/-0.004 χ^2/NDF: 1402234.8/28

Left In: 16.943+/-0.003 χ^2/NDF:1941834.9/22

Left: 16.941+/-0.002 χ^2/NDF: 4778698.8/47

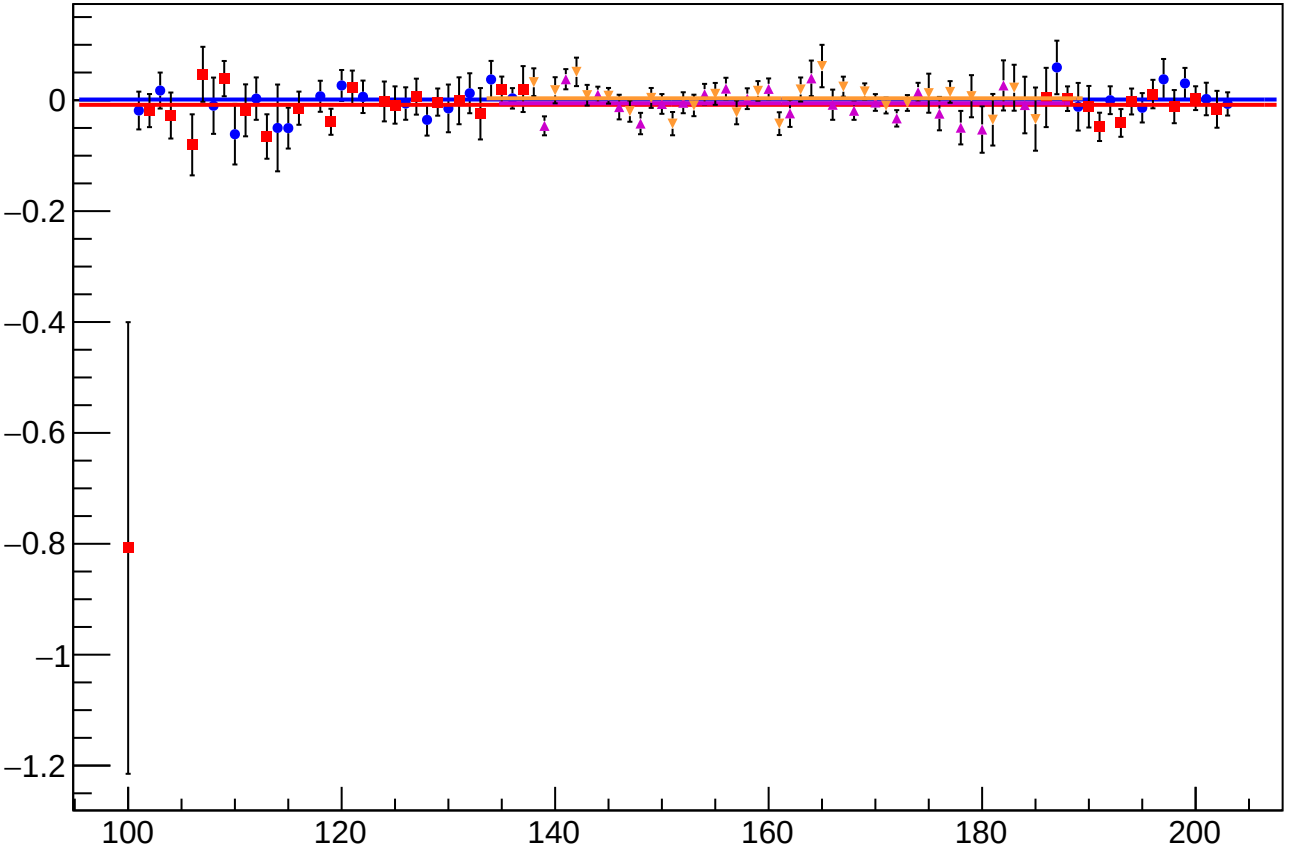
Right: 21.190+/-0.003 χ^2/NDF: 2654644.2/52

In: 18.399+/-0.002 χ^2/NDF:3962064.9/46

Out: 18.203+/-0.002 χ^2/NDF:4812606.1/53

All: 18.297+/-0.002 χ^2/NDF: 8777956.6/100

asym_sam_1357_2468_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.001+/-0.006 χ^2/NDF: 12.4/23

Left Out: 0.003+/-0.004 χ^2/NDF:26.9/24

Right Out: -0.008+/-0.006 χ^2/NDF: 21.8/28

Left In: -0.005+/-0.004 χ^2/NDF:33.2/22

Left: -0.001+/-0.003 χ^2/NDF: 62.5/47

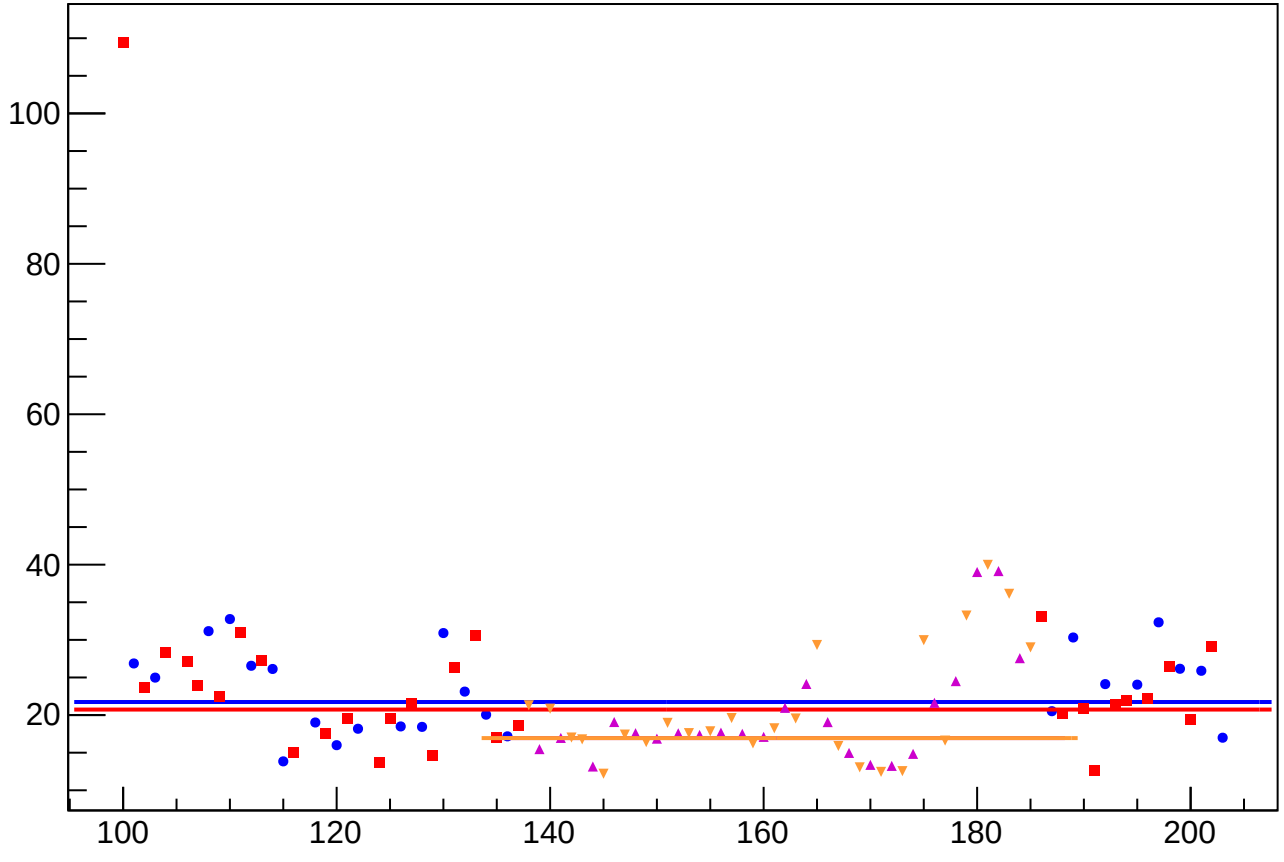
Right: -0.004+/-0.004 χ^2/NDF: 35.5/52

In: -0.003+/-0.003 χ^2/NDF:46.5/46

Out: -0.000+/-0.003 χ^2/NDF:51.5/53

All: -0.002+/-0.002 χ^2/NDF: 98.3/100

asym_sam_1357_2468_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 21.738+/-0.004 χ^2/NDF: 1225090.7/23

Left Out: 16.939+/-0.003 χ^2/NDF:2836863.1/24

Right Out: 20.734+/-0.004 χ^2/NDF: 1402234.8/28

Left In: 16.943+/-0.003 χ^2/NDF:1941834.9/22

Left: 16.941+/-0.002 χ^2/NDF: 4778698.8/47

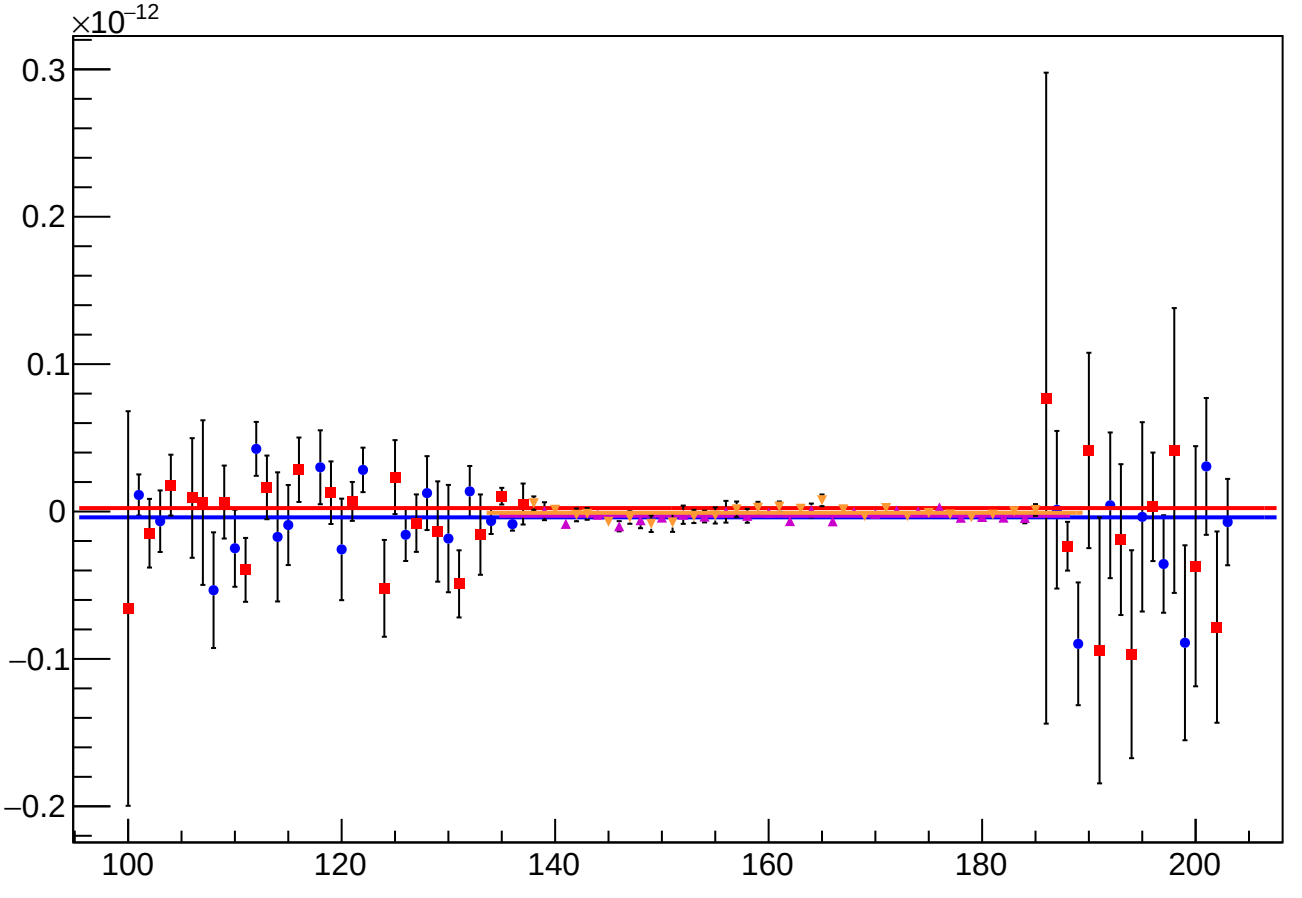
Right: 21.190+/-0.003 χ^2/NDF: 2654644.2/52

In: 18.399+/-0.002 χ^2/NDF:3962064.9/46

Out: 18.203+/-0.002 χ^2/NDF:4812606.1/53

All: 18.297+/-0.002 χ^2/NDF: 8777956.6/100

asym_sam_1357_2468_dd_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.000 χ^2/NDF: 27.5/23

Left Out: -0.000+/-0.000 χ^2/NDF:23.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 27.1/28

Left In: -0.000+/-0.000 χ^2/NDF:23.1/22

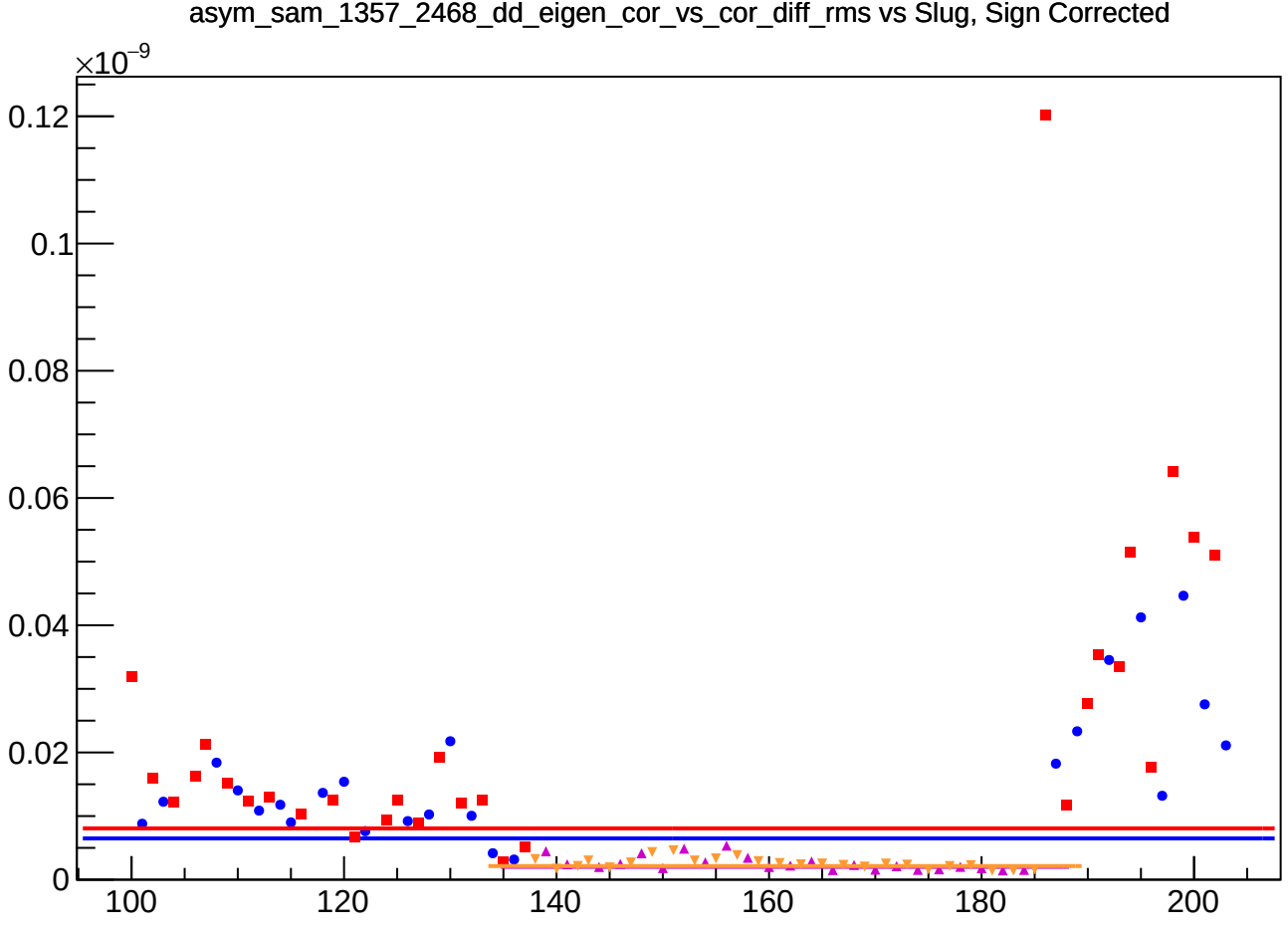
Left: -0.000+/-0.000 χ^2/NDF: 51.6/47

Right: -0.000+/-0.000 χ^2/NDF: 56.2/52

In: -0.000+/-0.000 χ^2/NDF:50.7/46

Out: -0.000+/-0.000 χ^2/NDF:51.4/53

All: -0.000+/-0.000 χ^2/NDF: 107.8/100



Right In: 0.000+/-0.000 χ^2/NDF: 6136926.6/23

Left Out: 0.000+/-0.000 χ^2/NDF:2184835.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 7807167.7/28

Left In: 0.000+/-0.000 χ^2/NDF:2375362.0/22

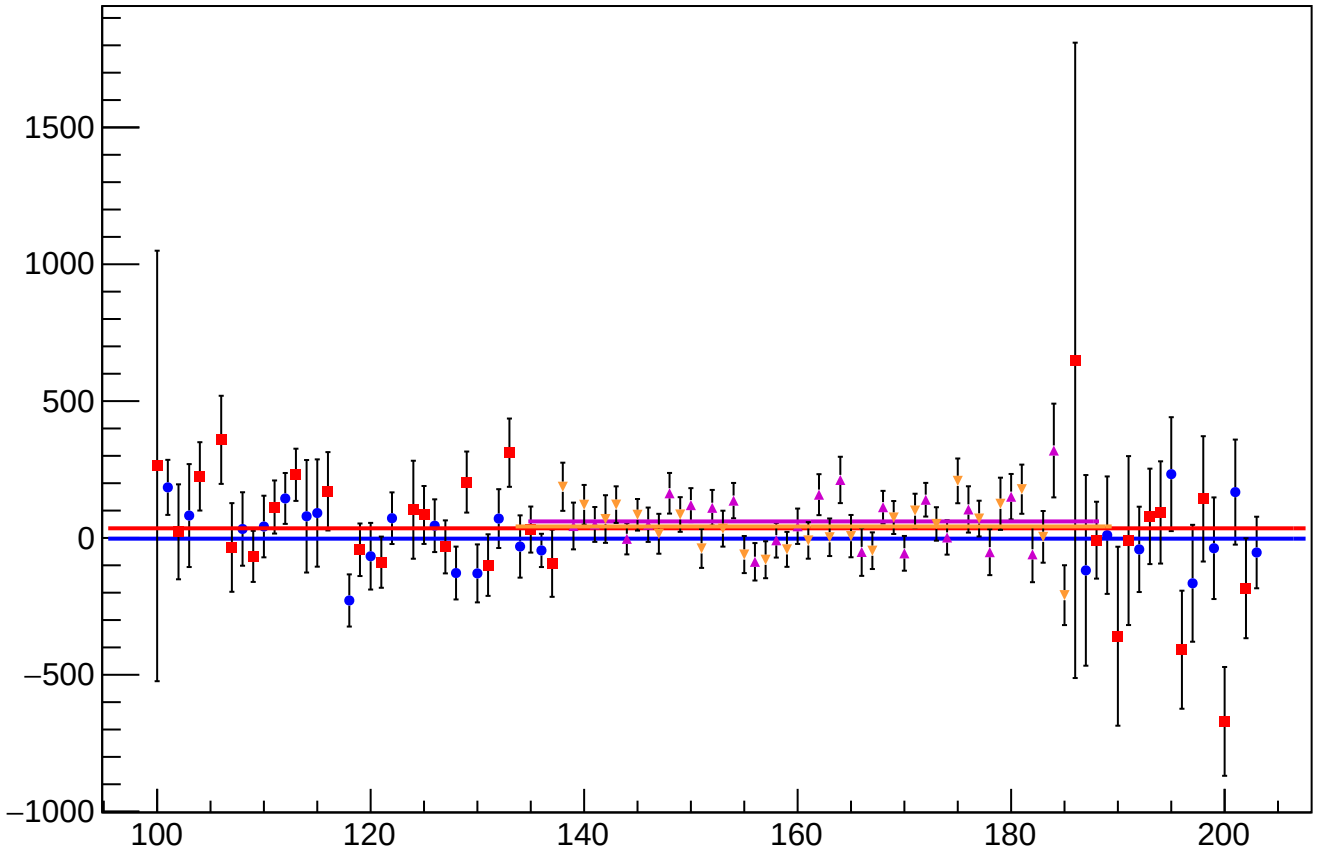
Left: 0.000+/-0.000 χ^2/NDF: 4598686.8/47

Right: 0.000+/-0.000 χ^2/NDF: 14152454.0/52

In: 0.000+/-0.000 χ^2/NDF:12299841.7/46

Out: 0.000+/-0.000 χ^2/NDF:14946876.3/53

All: 0.000+/-0.000 χ^2/NDF: 27285983.6/100



Right In: -2.608+/-24.353 χ^2/NDF: 20.7/23

Left Out: 42.012+/-14.181 χ^2/NDF:32.0/24

Right Out: 35.193+/-24.504 χ^2/NDF: 47.0/28

Left In: 60.376+/-14.714 χ^2/NDF:32.2/22

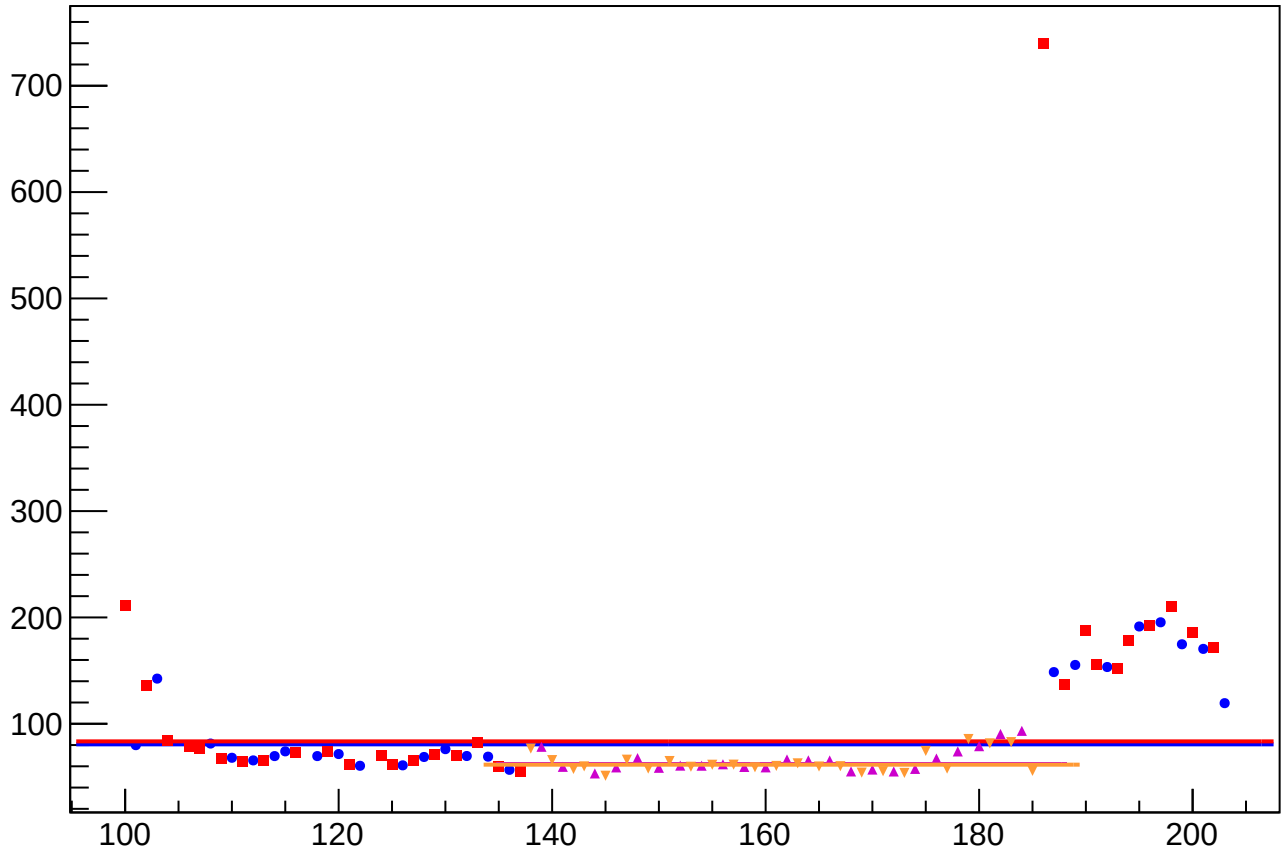
Left: 50.856+/-10.211 χ^2/NDF: 65.0/47

Right: 16.176+/-17.273 χ^2/NDF: 68.9/52

In: 43.533+/-12.594 χ^2/NDF:57.8/46

Out: 40.301+/-12.274 χ^2/NDF:79.1/53

All: 41.876+/-8.790 χ^2/NDF: 137.0/100



Right In: 80.650+/-0.017 χ^2/NDF: 3927494.1/23

Left Out: 61.544+/-0.010 χ^2/NDF:637834.8/24

Right Out: 83.455+/-0.017 χ^2/NDF: 5249111.1/28

Left In: 62.144+/-0.010 χ^2/NDF:596754.9/22

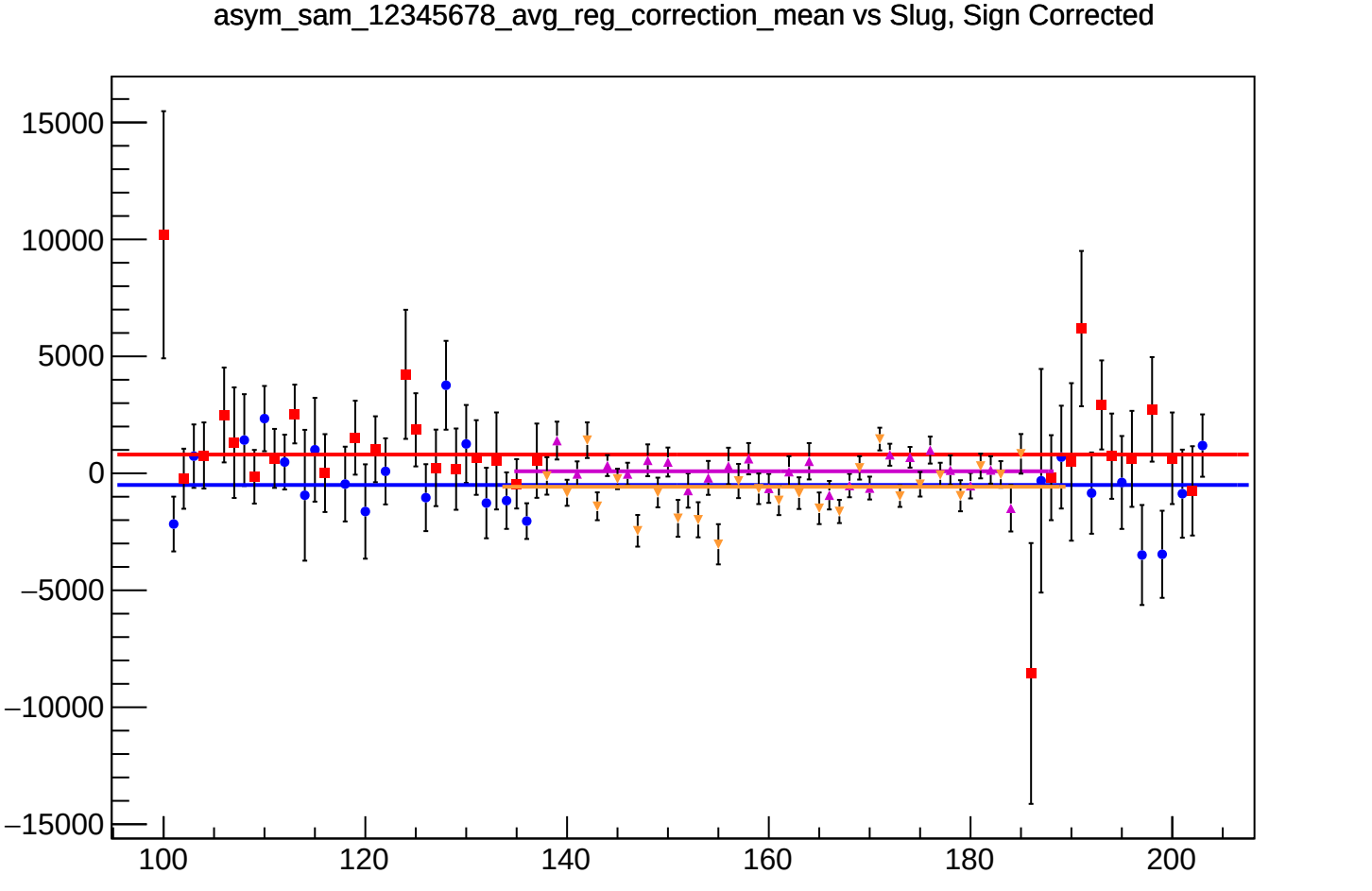
Left: 61.833+/-0.007 χ^2/NDF: 1236316.2/47

Right: 82.044+/-0.012 χ^2/NDF: 9189789.5/52

In: 67.093+/-0.009 χ^2/NDF:5370259.4/46

Out: 67.041+/-0.009 χ^2/NDF:7084823.6/53

All: 67.067+/-0.006 χ^2/NDF: 12455100.4/100



Right In: -498.297+/-310.034 χ^2/NDF: 27.0/23

Left Out: -574.818+/-119.736 χ^2/NDF:68.8/24

Right Out: 802.676+/-314.859 χ^2/NDF: 19.8/28

Left In: 88.334+/-122.492 χ^2/NDF:24.6/22

Left: -250.787+/-85.624 χ^2/NDF: 108.4/47

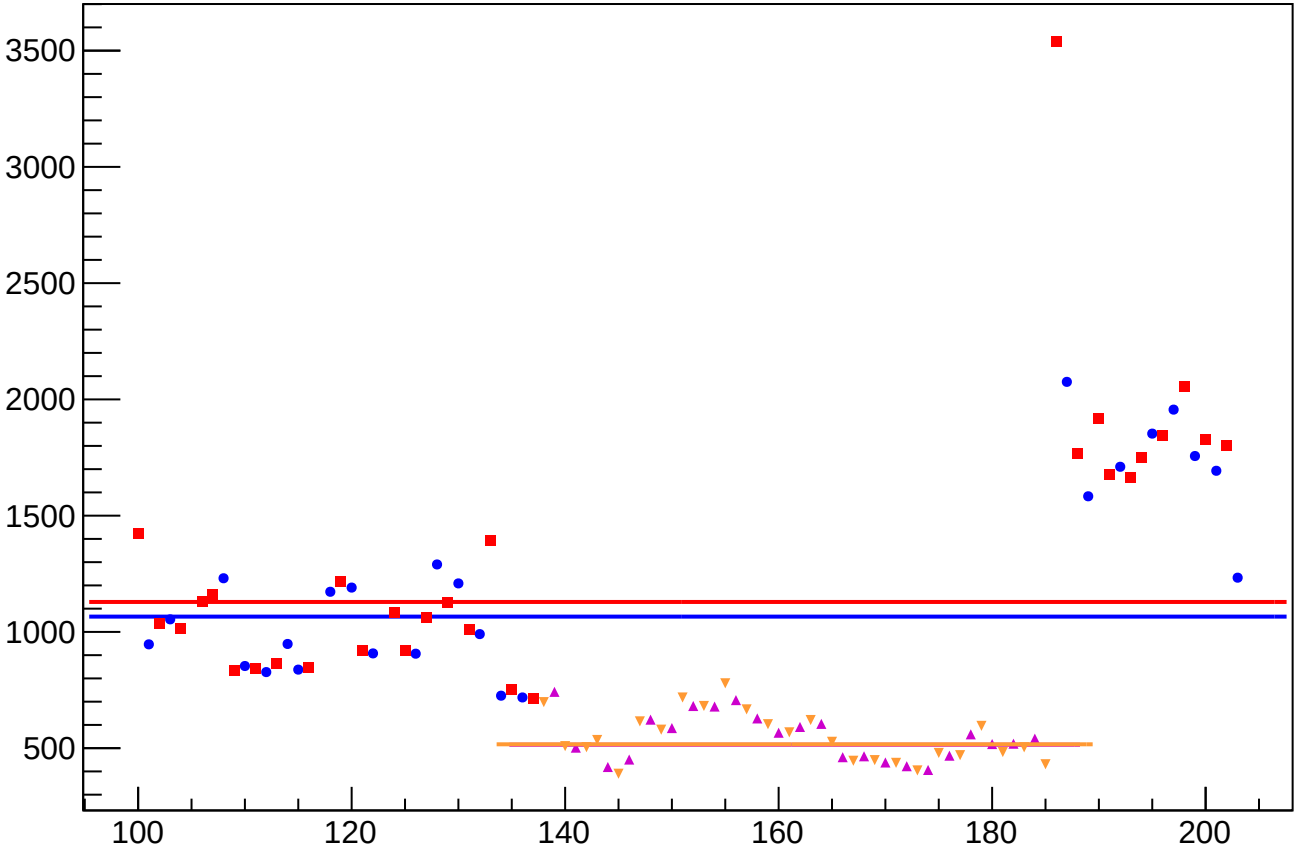
Right: 142.145+/-220.913 χ^2/NDF: 55.5/52

In: 9.126+/-113.923 χ^2/NDF:54.7/46

Out: -400.778+/-111.917 χ^2/NDF:105.3/53

All: -199.467+/-79.837 χ^2/NDF: 166.6/100

asym_sam_12345678_avg_reg_correction_rms vs Slug, Sign Corrected



Right In: 1065.834+/-0.219 χ^2/NDF: 2542138.9/23

Left Out: 516.635+/-0.085 χ^2/NDF:1265161.0/24

Right Out: 1128.844+/-0.223 χ^2/NDF: 3208375.7/28

Left In: 514.781+/-0.087 χ^2/NDF:1120436.1/22

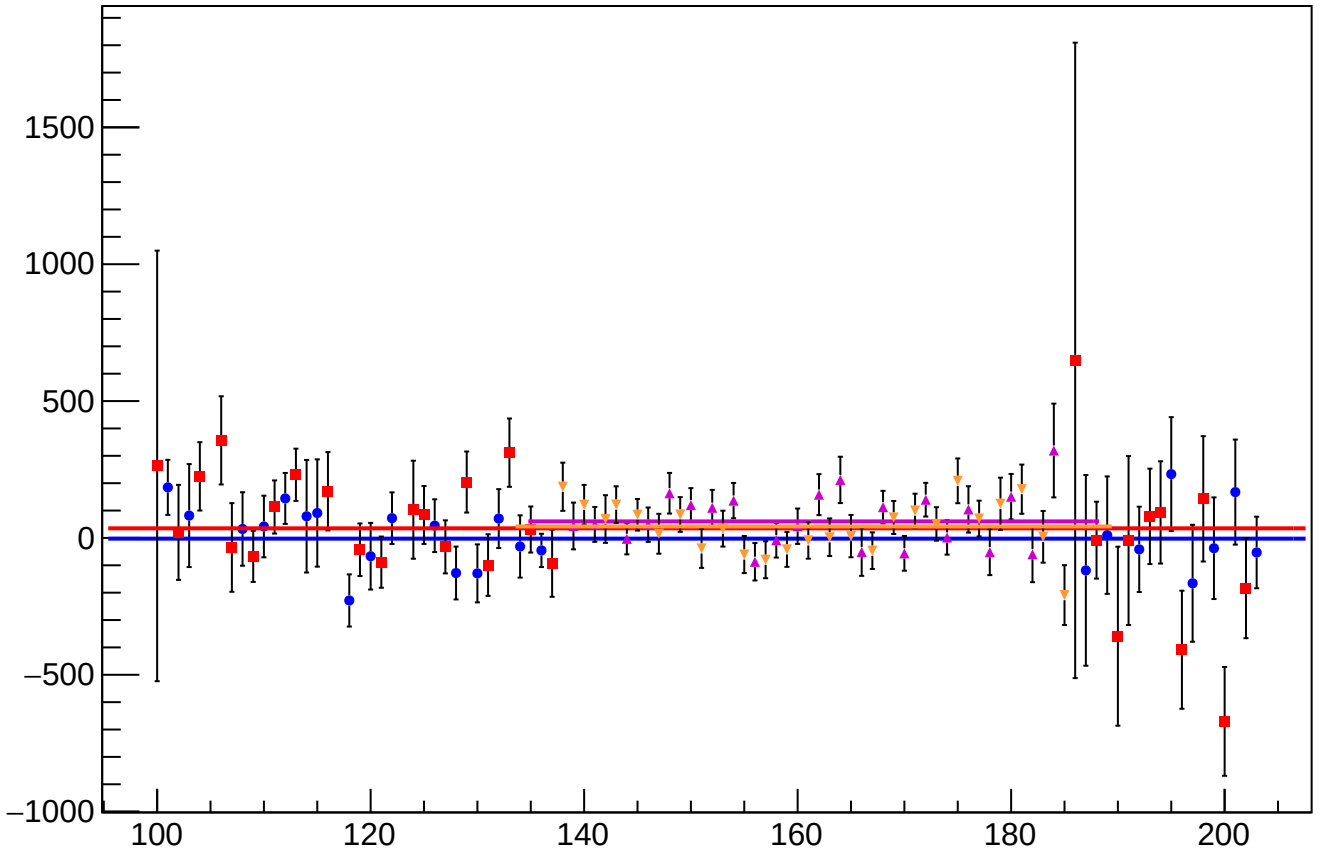
Left: 515.729+/-0.061 χ^2/NDF: 2385831.5/47

Right: 1096.853+/-0.156 χ^2/NDF: 5791182.5/52

In: 589.185+/-0.081 χ^2/NDF:9127734.7/46

Out: 593.985+/-0.079 χ^2/NDF:11079522.4/53

All: 591.628+/-0.056 χ^2/NDF: 20209063.8/10



Right In: -2.614+/-24.353 χ^2/NDF: 20.7/23

Left Out: 42.017+/-14.181 χ^2/NDF:32.0/24

Right Out: 35.086+/-24.505 χ^2/NDF: 47.0/28

Left In: 60.376+/-14.714 χ^2/NDF:32.2/22

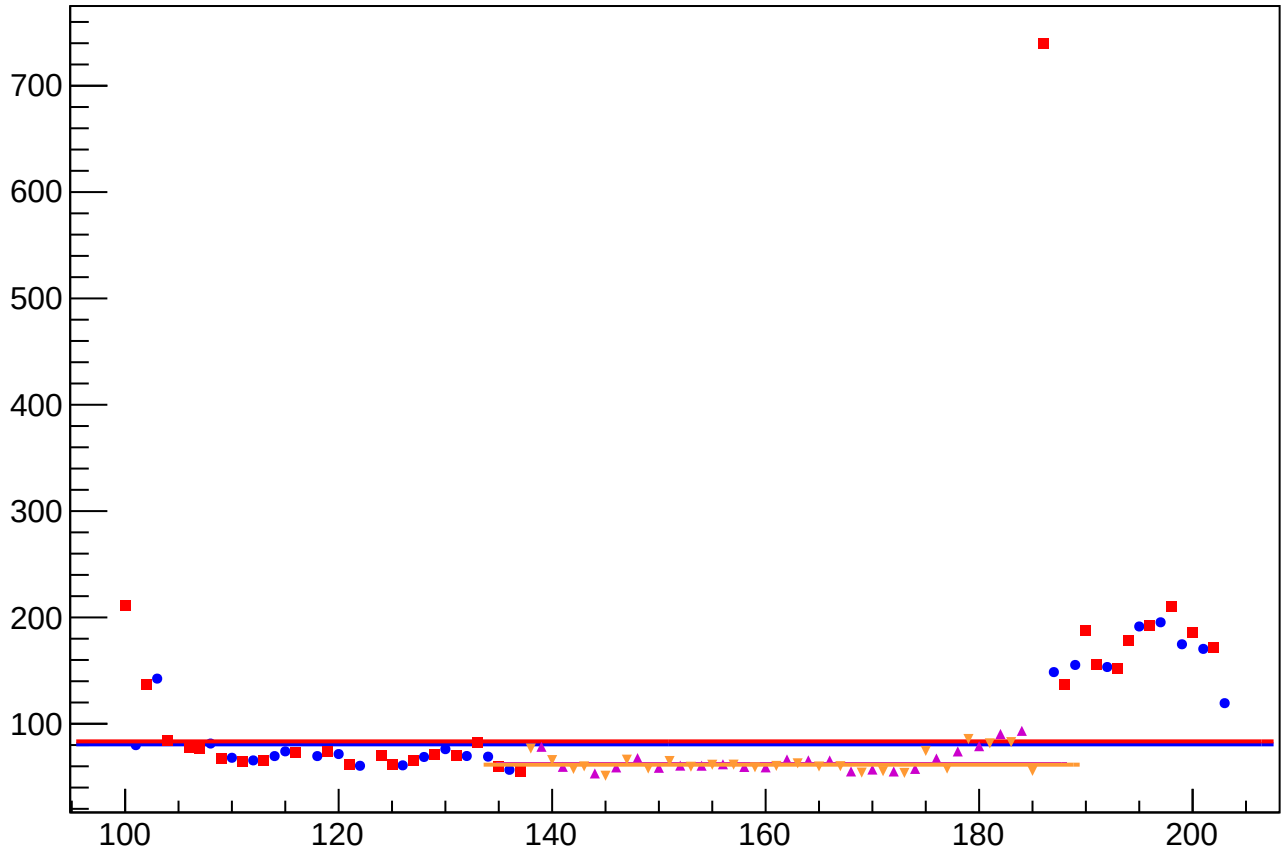
Left: 50.858+/-10.211 χ^2/NDF: 65.0/47

Right: 16.119+/-17.274 χ^2/NDF: 68.9/52

In: 43.531+/-12.594 χ^2/NDF:57.8/46

Out: 40.278+/-12.274 χ^2/NDF:79.1/53

All: 41.863+/-8.790 χ^2/NDF: 136.9/100



Right In: 80.650+/-0.017 χ^2/NDF: 3927497.1/23

Left Out: 61.544+/-0.010 χ^2/NDF:637834.9/24

Right Out: 83.439+/-0.017 χ^2/NDF: 5249982.9/28

Left In: 62.144+/-0.010 χ^2/NDF:596754.9/22

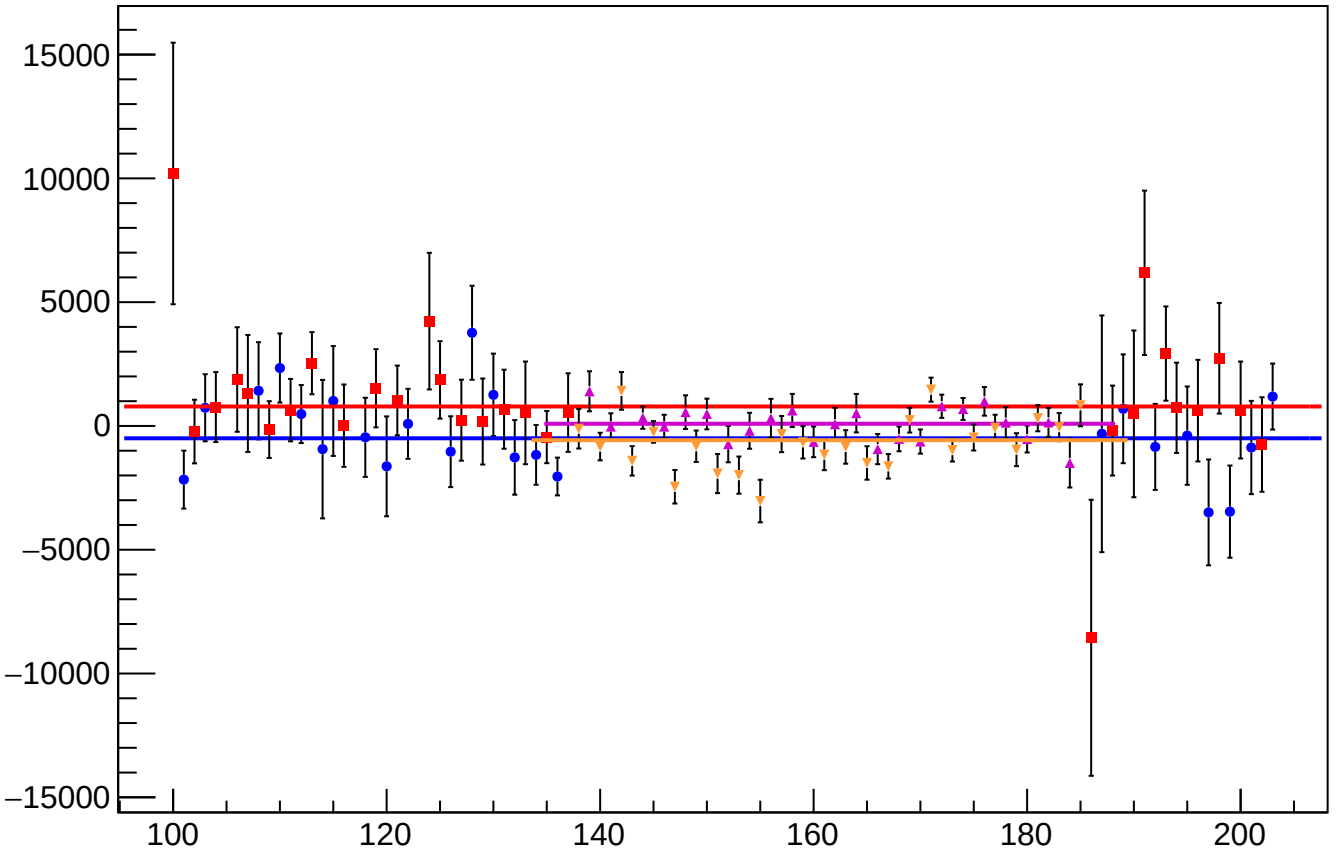
Left: 61.833+/-0.007 χ^2/NDF: 1236316.3/47

Right: 82.036+/-0.012 χ^2/NDF: 9190517.2/52

In: 67.093+/-0.009 χ^2/NDF:5370262.4/46

Out: 67.037+/-0.009 χ^2/NDF:7083922.7/53

All: 67.064+/-0.006 χ^2/NDF: 12454205.5/100



Right In: -498.273+/-310.035 χ^2/NDF: 27.0/23

Left Out: -574.811+/-119.736 χ^2/NDF:68.8/24

Right Out: 786.095+/-315.168 χ^2/NDF: 19.3/28

Left In: 88.333+/-122.492 χ^2/NDF:24.6/22

Left: -250.783+/-85.624 χ^2/NDF: 108.4/47

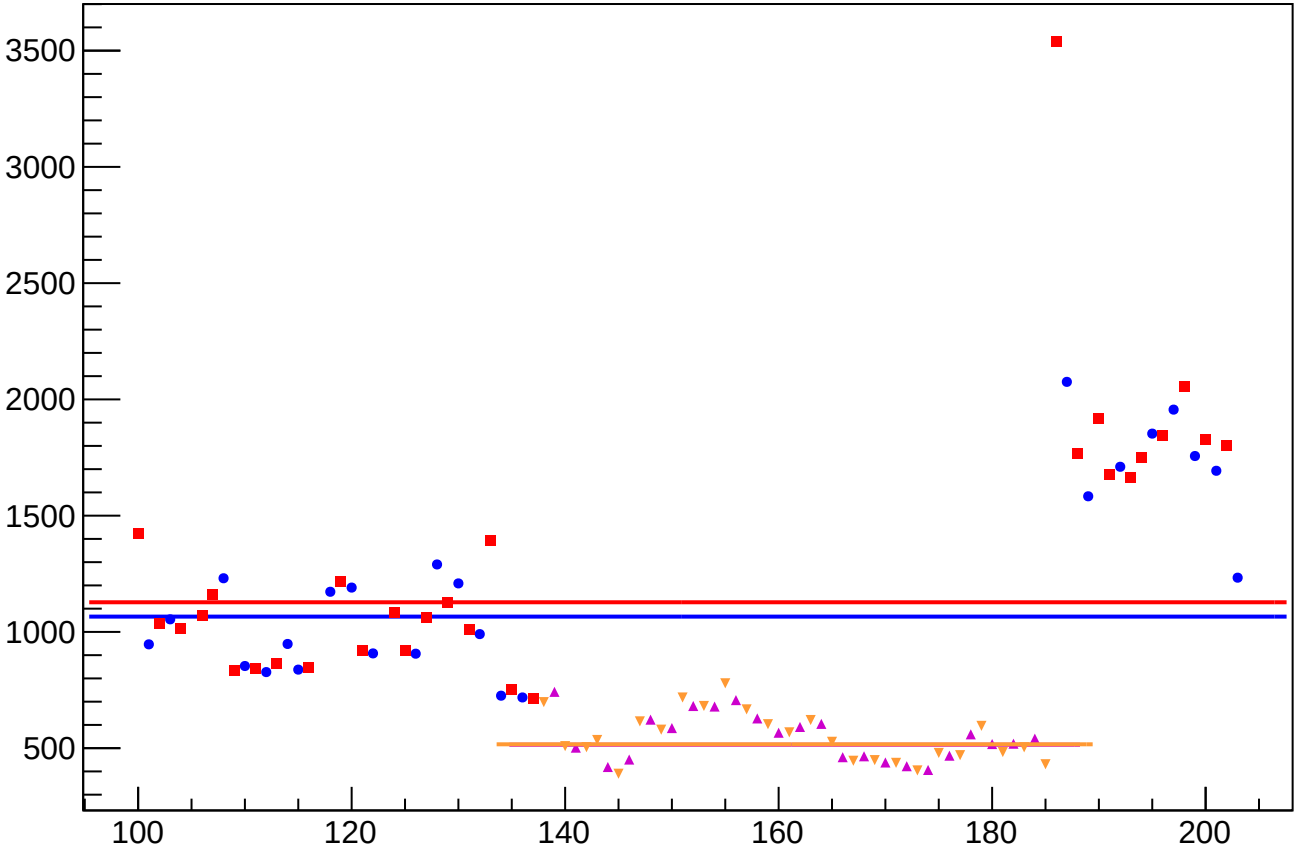
Right: 133.368+/-221.020 χ^2/NDF: 54.8/52

In: 9.129+/-113.923 χ^2/NDF:54.7/46

Out: -403.162+/-111.931 χ^2/NDF:104.4/53

All: -200.653+/-79.842 χ^2/NDF: 165.8/100

asym_sam_12345678_avg_cor_correction_rms vs Slug, Sign Corrected



Right In: 1065.838+/-0.219 χ^2/NDF: 2542141.1/23

Left Out: 516.635+/-0.085 χ^2/NDF:1265163.0/24

Right Out: 1127.496+/-0.223 χ^2/NDF: 3209730.4/28

Left In: 514.781+/-0.087 χ^2/NDF:1120434.8/22

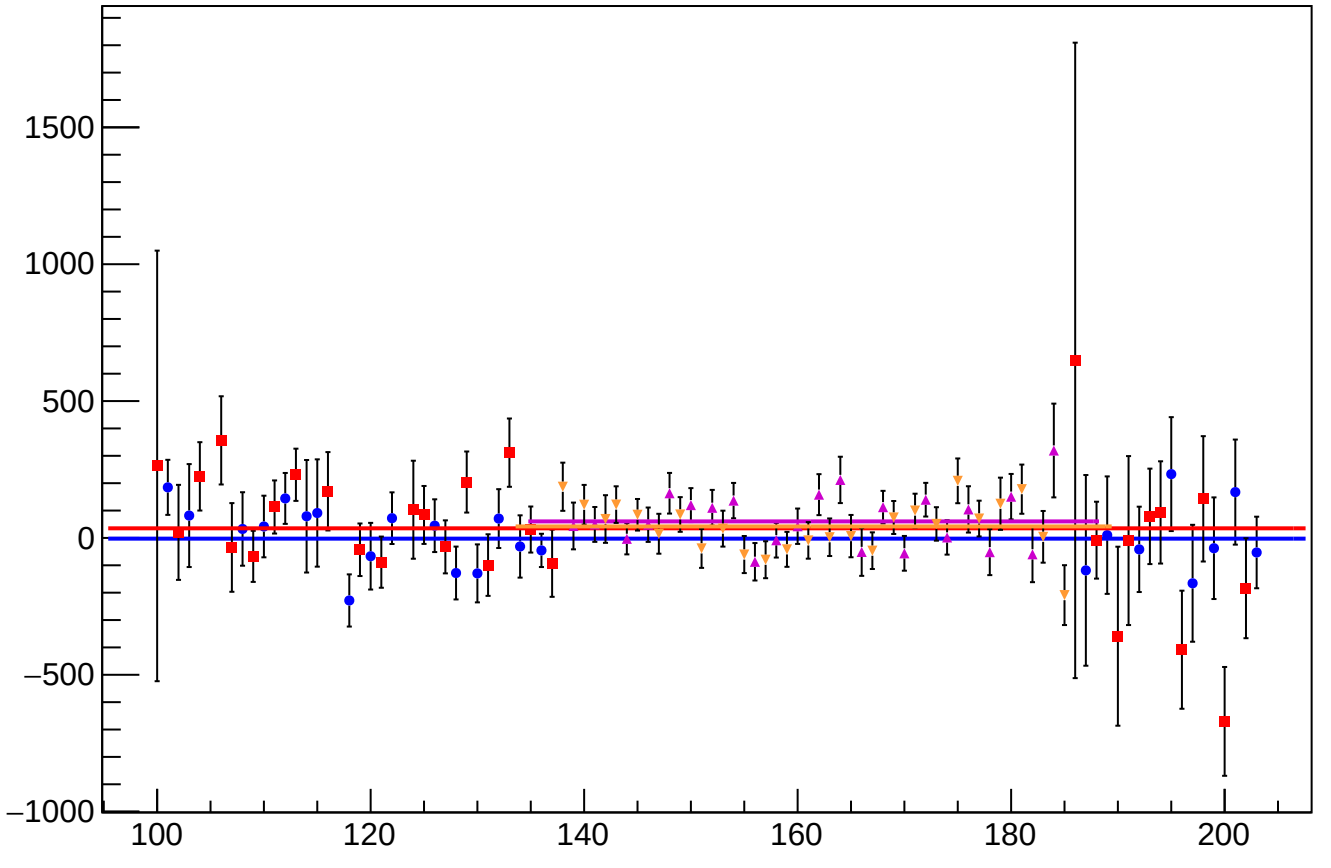
Left: 515.729+/-0.061 χ^2/NDF: 2385832.1/47

Right: 1096.161+/-0.156 χ^2/NDF: 5790772.8/52

In: 589.185+/-0.081 χ^2/NDF:9127777.5/46

Out: 593.682+/-0.079 χ^2/NDF:11040543.5/53

All: 591.474+/-0.056 χ^2/NDF: 20169906.5/10



Right In: -2.614+/-24.353 χ^2/NDF: 20.7/23

Left Out: 42.017+/-14.181 χ^2/NDF:32.0/24

Right Out: 35.086+/-24.505 χ^2/NDF: 47.0/28

Left In: 60.376+/-14.714 χ^2/NDF:32.2/22

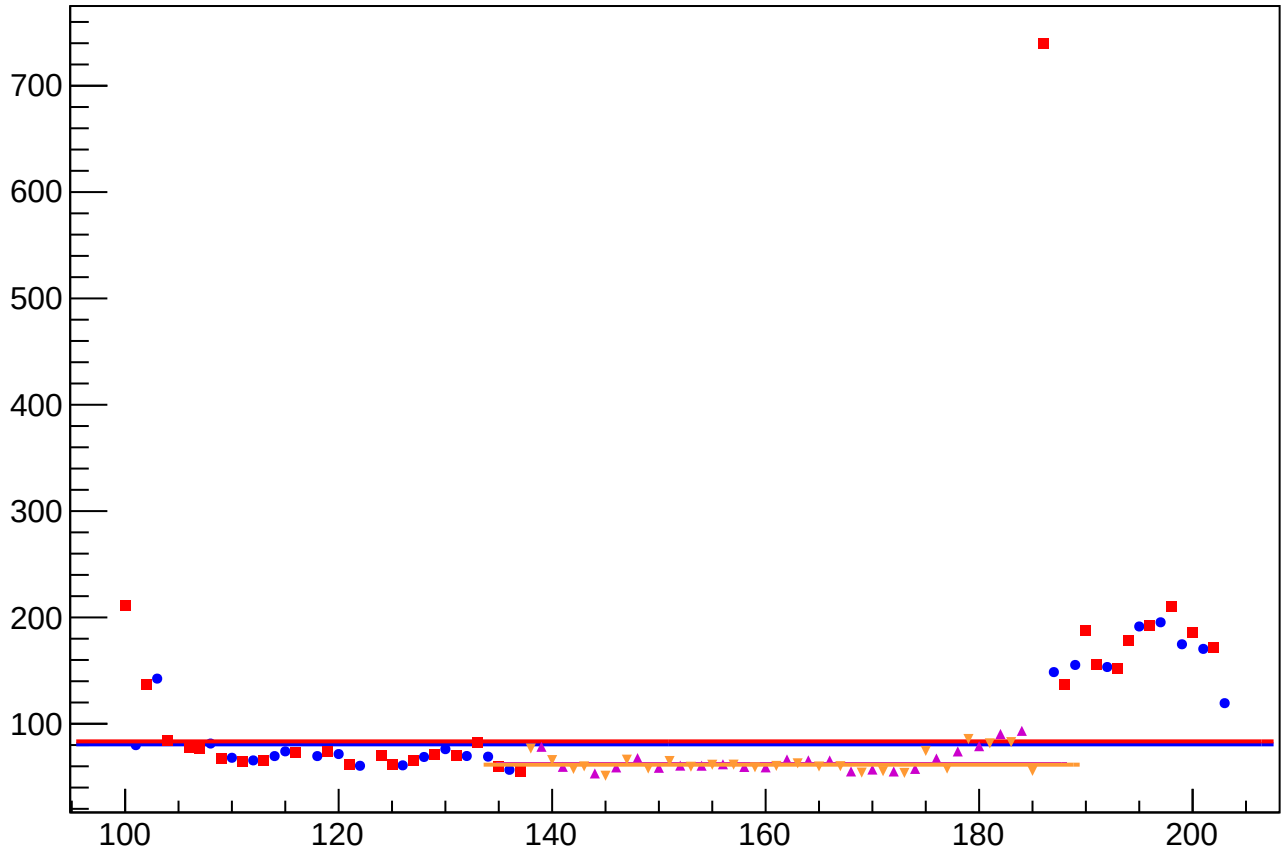
Left: 50.858+/-10.211 χ^2/NDF: 65.0/47

Right: 16.119+/-17.274 χ^2/NDF: 68.9/52

In: 43.531+/-12.594 χ^2/NDF:57.8/46

Out: 40.278+/-12.274 χ^2/NDF:79.1/53

All: 41.863+/-8.790 χ^2/NDF: 136.9/100



Right In: 80.650+/-0.017 χ^2/NDF: 3927497.1/23

Left Out: 61.544+/-0.010 χ^2/NDF:637834.9/24

Right Out: 83.439+/-0.017 χ^2/NDF: 5249982.9/28

Left In: 62.144+/-0.010 χ^2/NDF:596754.9/22

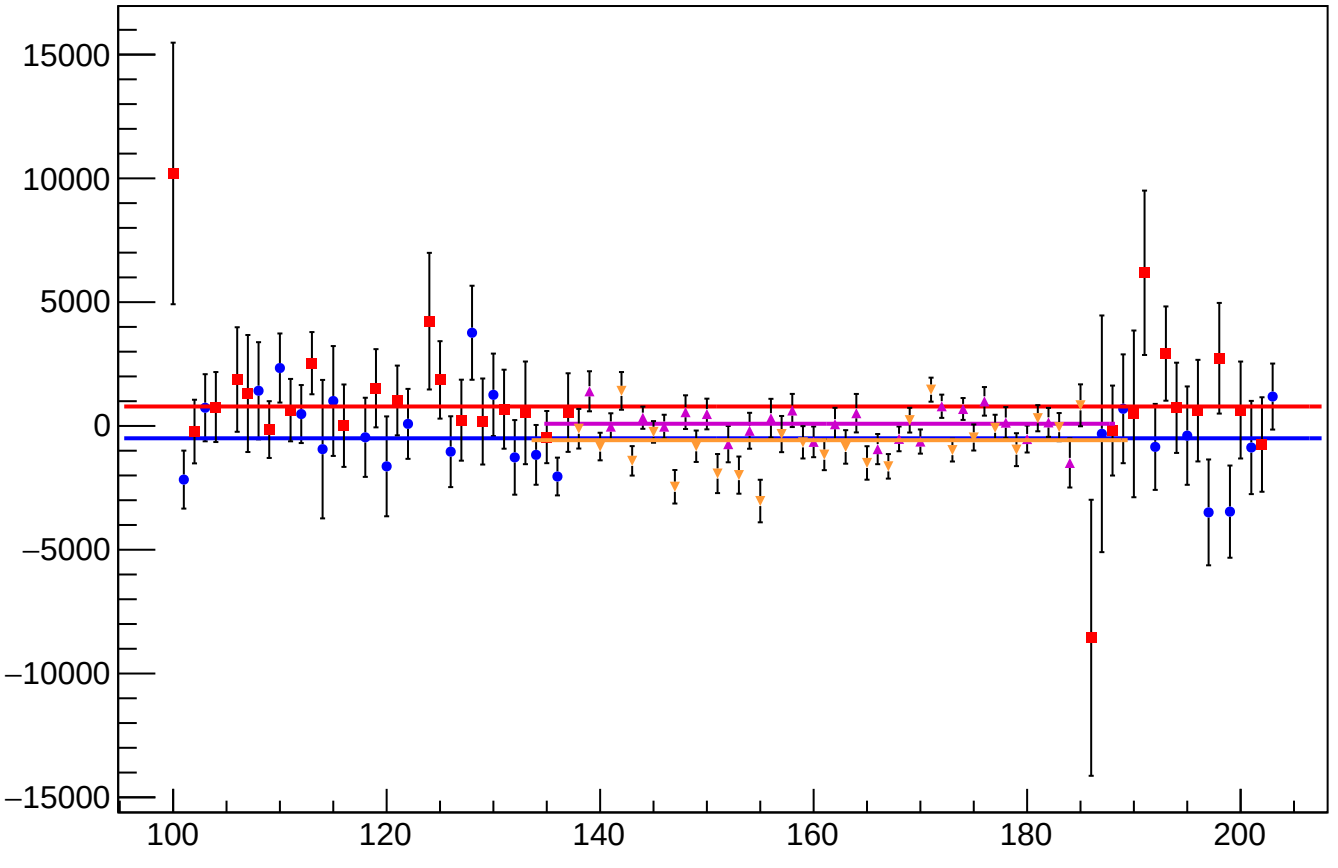
Left: 61.833+/-0.007 χ^2/NDF: 1236316.3/47

Right: 82.036+/-0.012 χ^2/NDF: 9190517.2/52

In: 67.093+/-0.009 χ^2/NDF:5370262.4/46

Out: 67.037+/-0.009 χ^2/NDF:7083922.7/53

All: 67.064+/-0.006 χ^2/NDF: 12454205.5/100



Right In: -498.273+/-310.035 χ^2/NDF: 27.0/23

Left Out: -574.811+/-119.736 χ^2/NDF:68.8/24

Right Out: 786.095+/-315.168 χ^2/NDF: 19.3/28

Left In: 88.333+/-122.492 χ^2/NDF:24.6/22

Left: -250.783+/-85.624 χ^2/NDF: 108.4/47

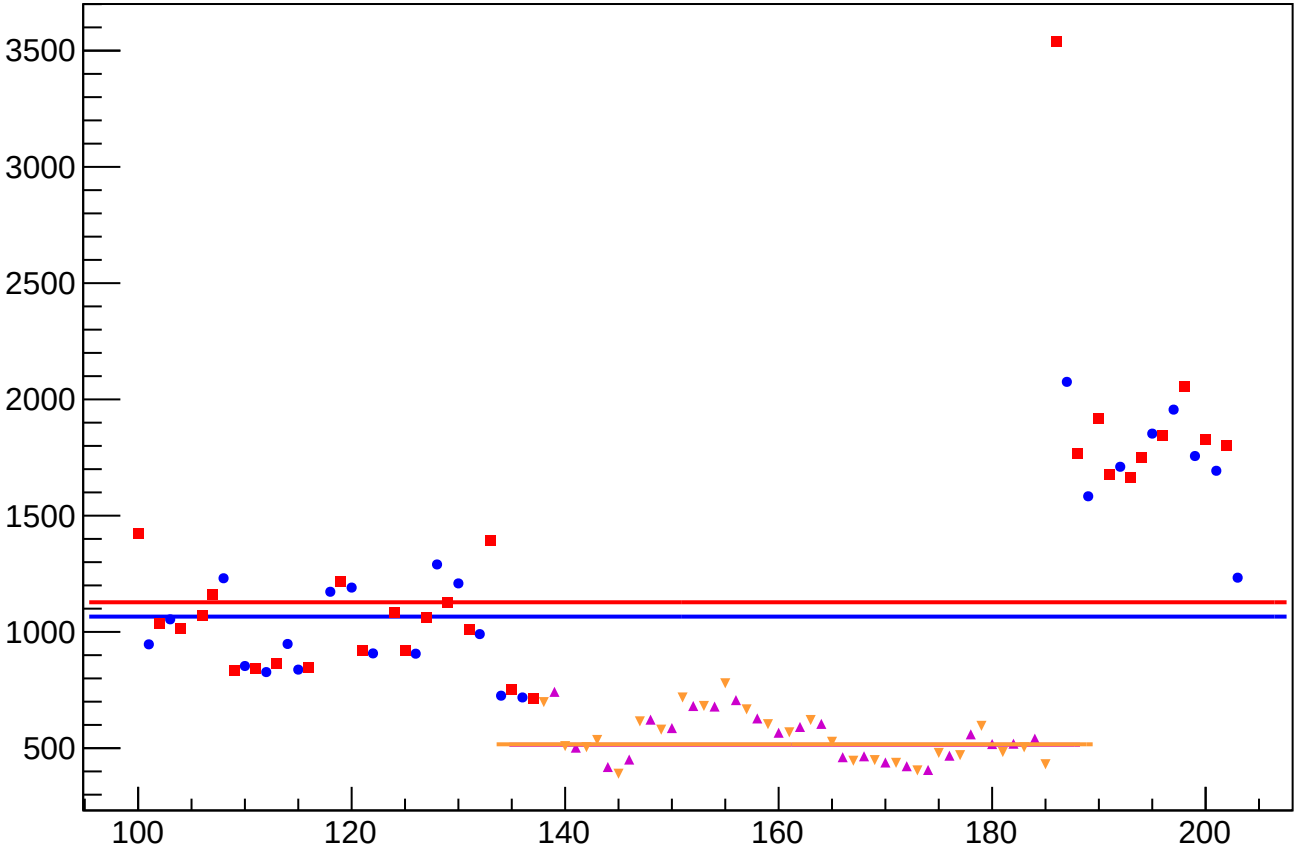
Right: 133.368+/-221.020 χ^2/NDF: 54.8/52

In: 9.129+/-113.923 χ^2/NDF:54.7/46

Out: -403.162+/-111.931 χ^2/NDF:104.4/53

All: -200.653+/-79.842 χ^2/NDF: 165.8/100

asym_sam_12345678_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 1065.838+/-0.219 χ^2/NDF: 2542141.1/23

Left Out: 516.635+/-0.085 χ^2/NDF:1265163.0/24

Right Out: 1127.496+/-0.223 χ^2/NDF: 3209730.4/28

Left In: 514.781+/-0.087 χ^2/NDF:1120434.8/22

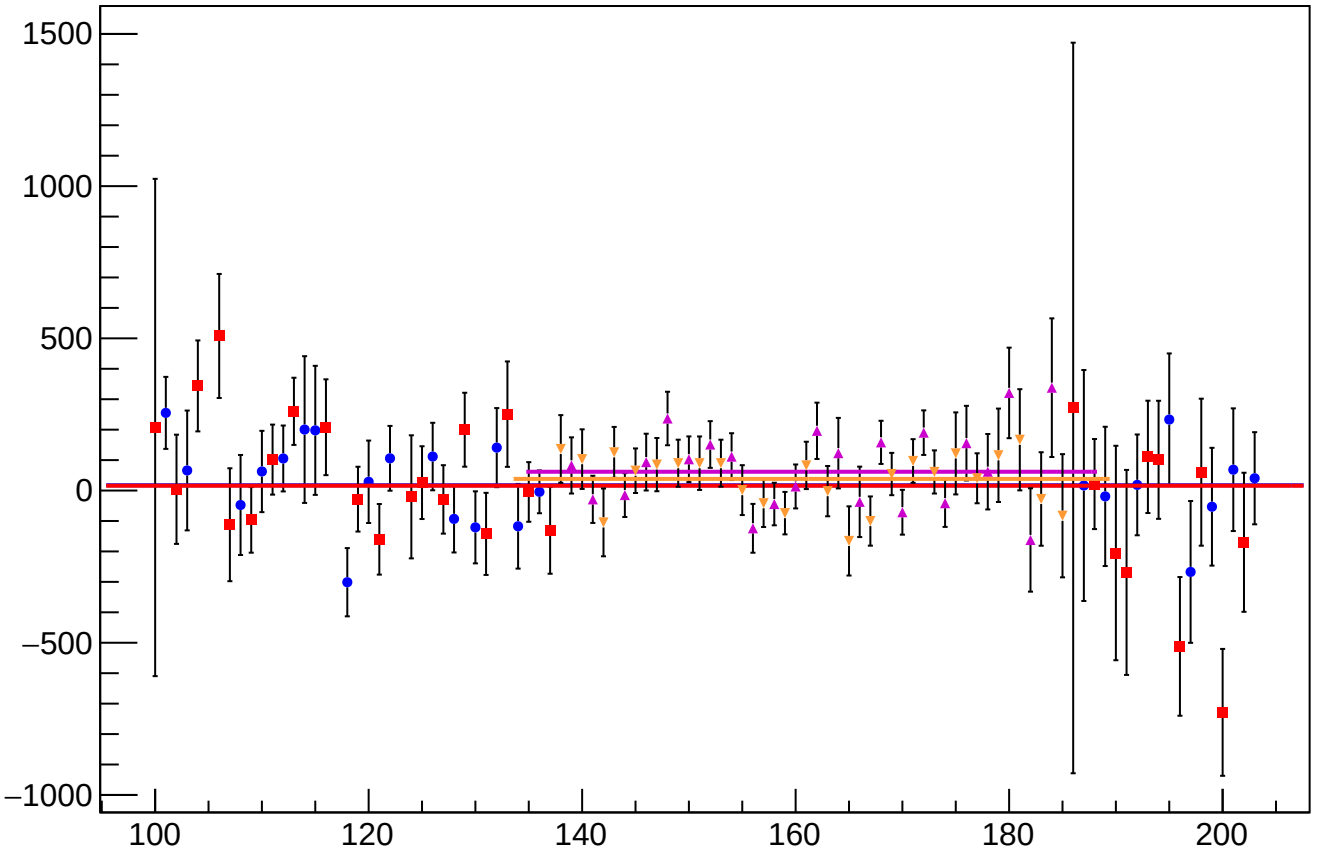
Left: 515.729+/-0.061 χ^2/NDF: 2385832.1/47

Right: 1096.161+/-0.156 χ^2/NDF: 5790772.8/52

In: 589.185+/-0.081 χ^2/NDF:9127777.5/46

Out: 593.682+/-0.079 χ^2/NDF:11040543.5/53

All: 591.474+/-0.056 χ^2/NDF: 20169906.5/10



Right In: 17.307+/-27.918 χ^2/NDF: 22.9/23

Left Out: 38.281+/-17.669 χ^2/NDF:18.8/24

Right Out: 15.867+/-28.190 χ^2/NDF: 49.0/28

Left In: 61.723+/-18.192 χ^2/NDF:36.7/22

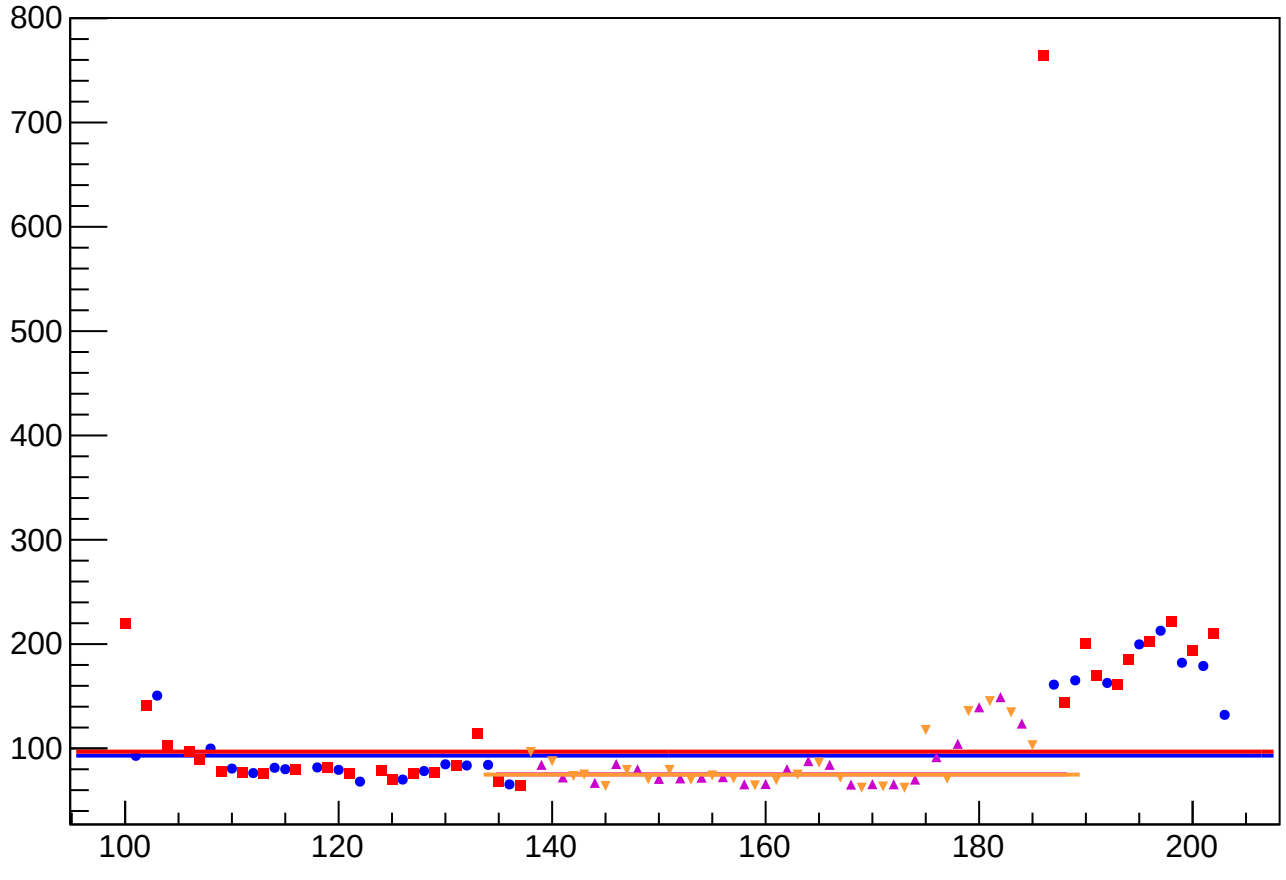
Left: 49.661+/-12.675 χ^2/NDF: 56.4/47

Right: 16.594+/-19.836 χ^2/NDF: 71.8/52

In: 48.485+/-15.241 χ^2/NDF:61.4/46

Out: 31.959+/-14.972 χ^2/NDF:68.2/53

All: 40.075+/-10.681 χ^2/NDF: 130.2/100



Right In: 93.124+/-0.020 χ^2/NDF: 3407961.9/23

Left Out: 74.903+/-0.012 χ^2/NDF:1661552.1/24

Right Out: 96.906+/-0.020 χ^2/NDF: 4690318.8/28

Left In: 75.156+/-0.013 χ^2/NDF:1312543.0/22

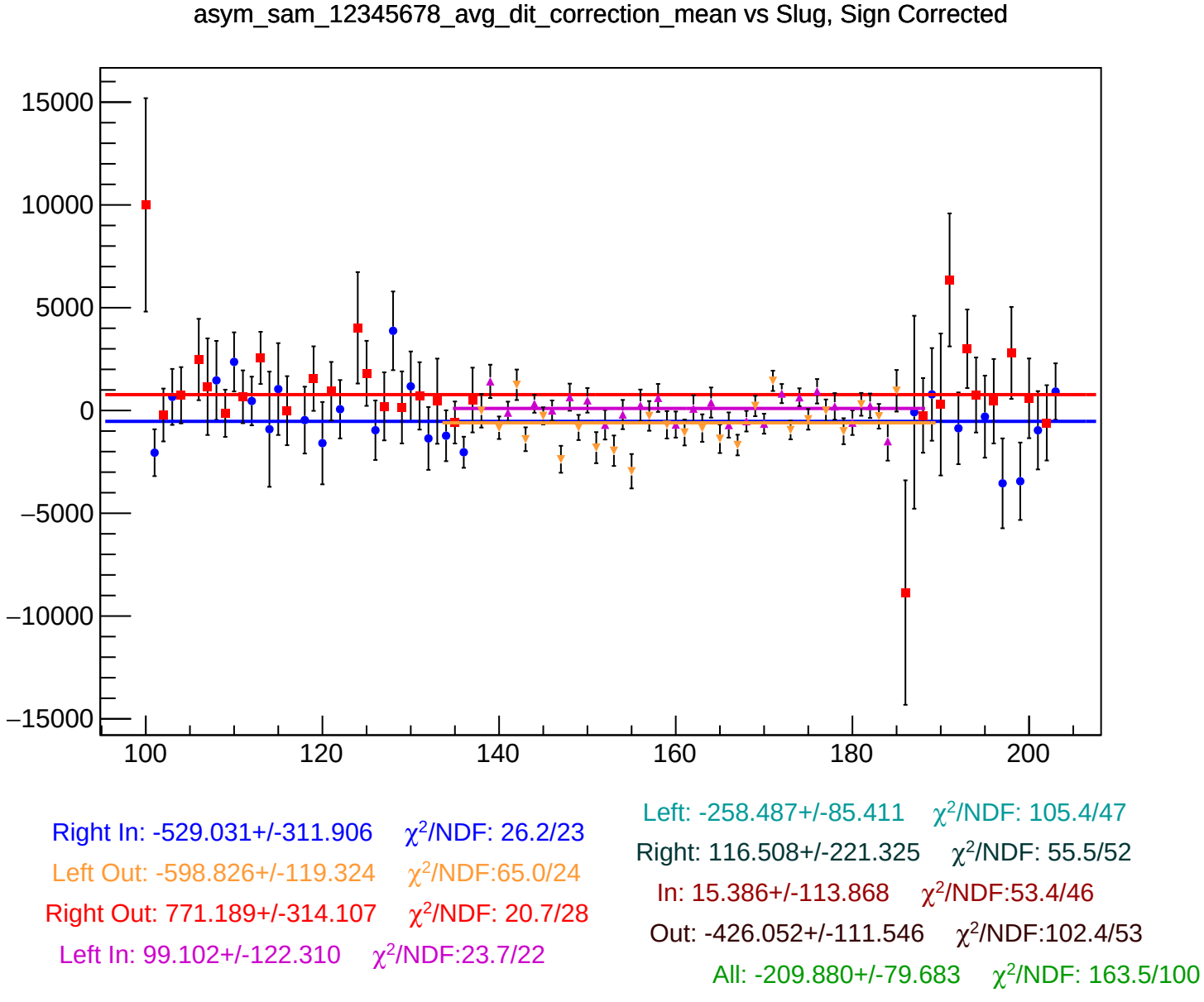
Left: 75.025+/-0.009 χ^2/NDF: 2974293.9/47

Right: 94.997+/-0.014 χ^2/NDF: 8116453.0/52

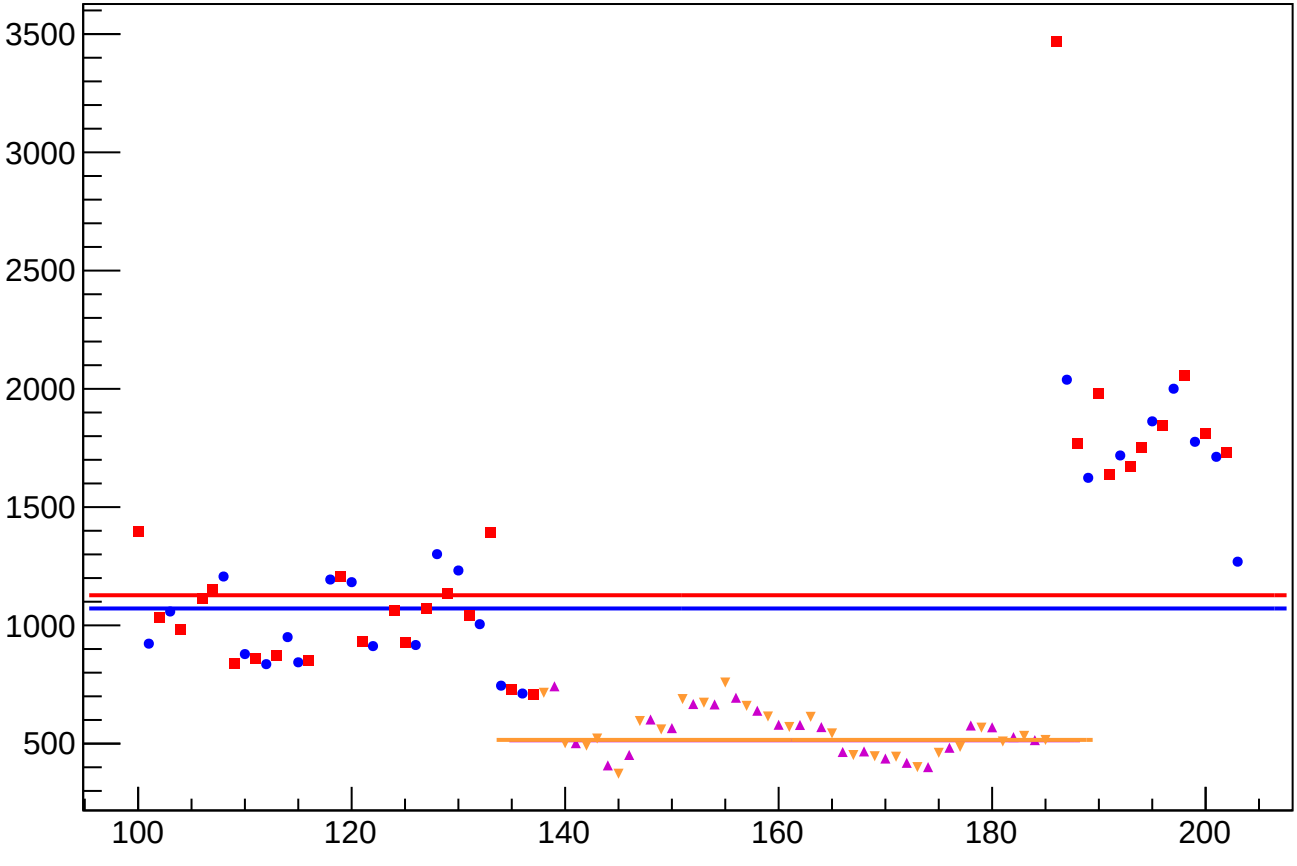
In: 80.511+/-0.011 χ^2/NDF:5302085.3/46

Out: 81.109+/-0.011 χ^2/NDF:7226661.2/53

All: 80.815+/-0.008 χ^2/NDF: 12530312.9/100


asym_sam_12345678_avg_dit_correction_mean vs Slug, Sign Corrected
15000
10000
5000
0
−5000
−10000
−15000
100
120
140
160
180
200
Right In: -529.031+/-311.906 χ²/NDF: 26.2/23
Left Out: -598.826+/-119.324 χ²/NDF:65.0/24
Right Out: 771.189+/-314.107 χ²/NDF: 20.7/28
Left In: 99.102+/-122.310 χ²/NDF:23.7/22
Left: -258.487+/-85.411 χ²/NDF: 105.4/47
Right: 116.508+/-221.325 χ²/NDF: 55.5/52
In: 15.386+/-113.868 χ²/NDF:53.4/46
Out: -426.052+/-111.546 χ²/NDF:102.4/53
All: -209.880+/-79.683 χ²/NDF: 163.5/100

asym_sam_12345678_avg_dit_correction_rms vs Slug, Sign Corrected



Right In: 1071.441+/-0.221 χ^2/NDF: 2595458.5/23

Left Out: 515.762+/-0.084 χ^2/NDF:1232478.6/24

Right Out: 1127.368+/-0.222 χ^2/NDF: 3192141.2/28

Left In: 514.088+/-0.086 χ^2/NDF:1116884.3/22

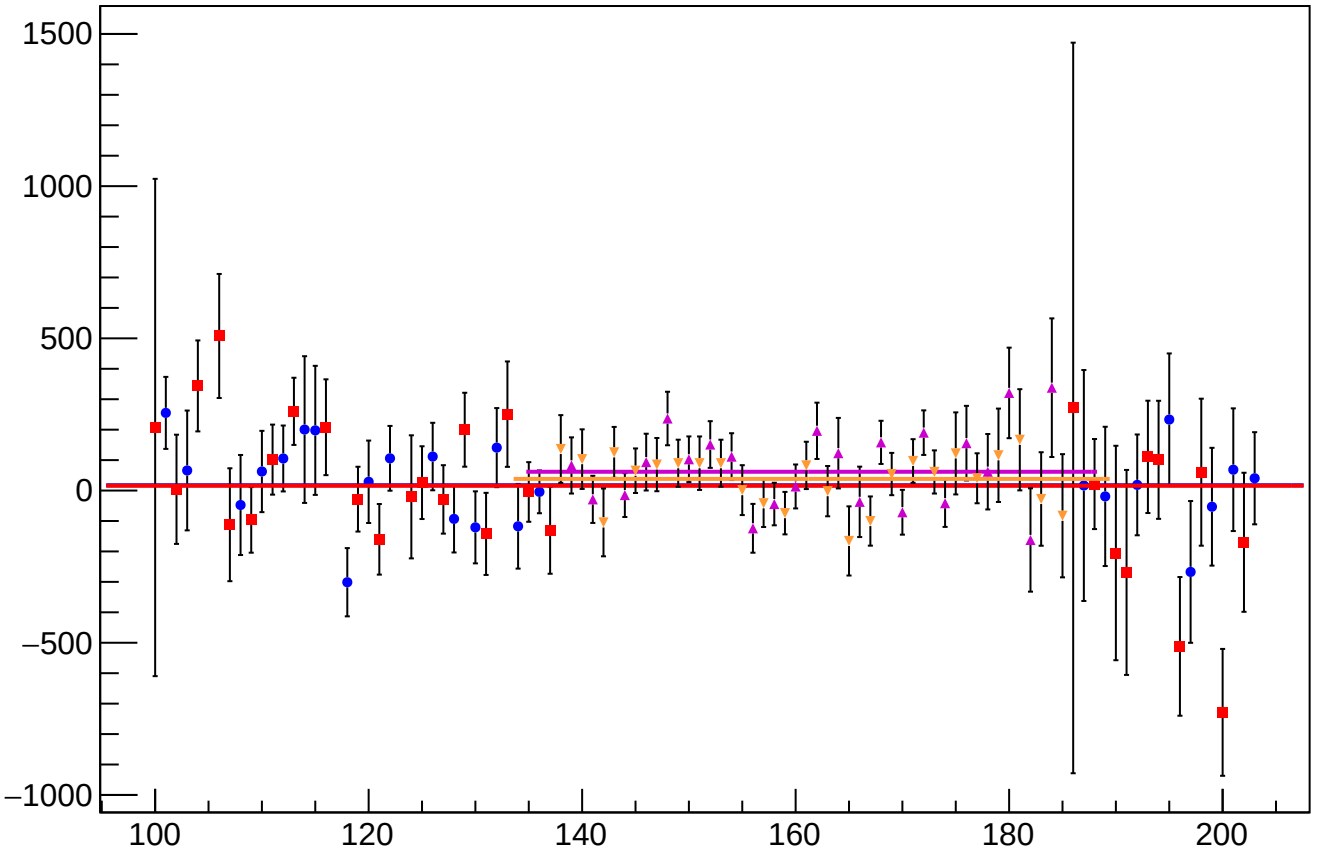
Left: 514.945+/-0.060 χ^2/NDF: 2349554.8/47

Right: 1099.208+/-0.157 χ^2/NDF: 5819524.6/52

In: 588.371+/-0.081 χ^2/NDF:9247403.0/46

Out: 592.892+/-0.079 χ^2/NDF:11050961.5/53

All: 590.678+/-0.056 χ^2/NDF: 20299973.6/10



Right In: 17.307+/-27.918 χ^2/NDF: 22.9/23

Left Out: 38.282+/-17.670 χ^2/NDF:18.8/24

Right Out: 15.865+/-28.190 χ^2/NDF: 49.0/28

Left In: 61.723+/-18.192 χ^2/NDF:36.7/22

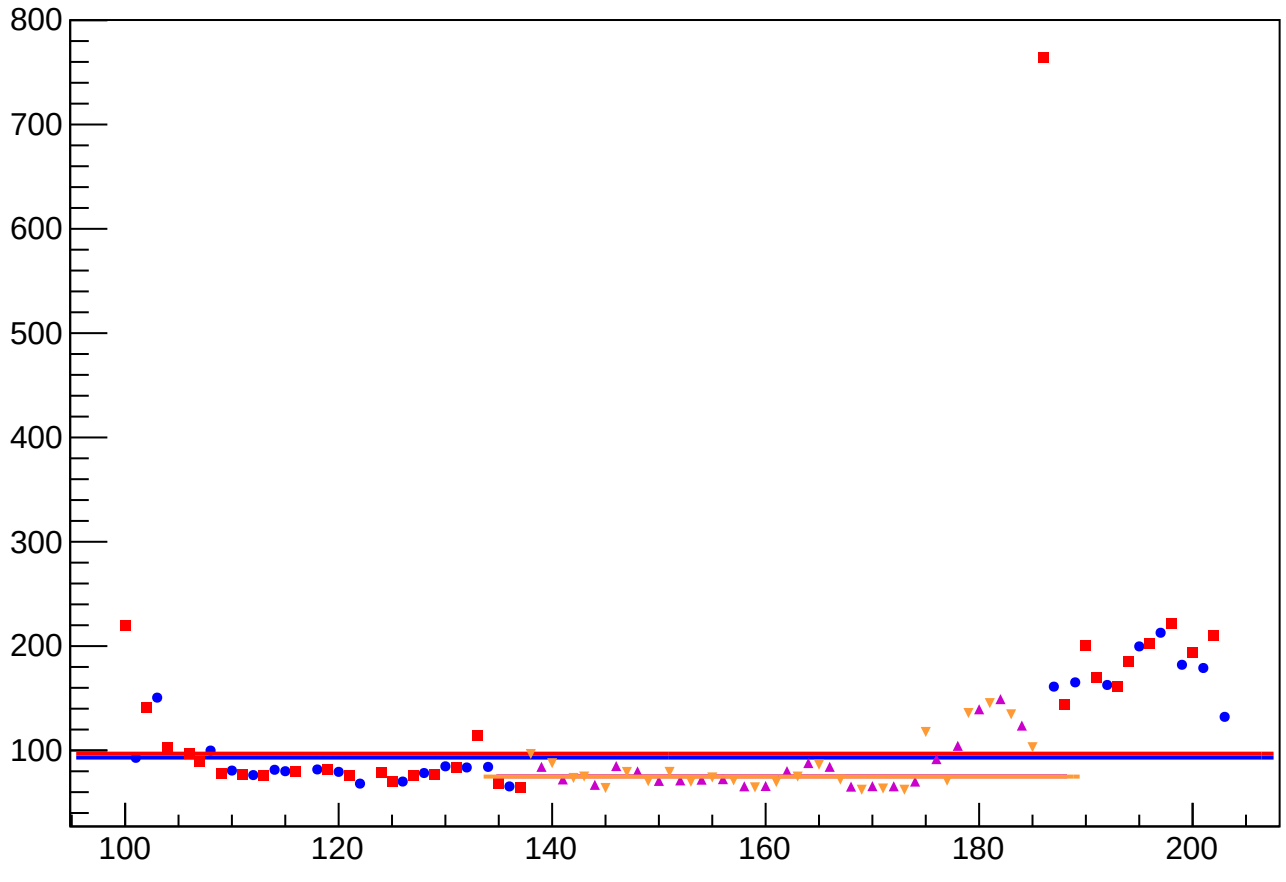
Left: 49.661+/-12.675 χ^2/NDF: 56.4/47

Right: 16.593+/-19.836 χ^2/NDF: 71.8/52

In: 48.485+/-15.241 χ^2/NDF:61.4/46

Out: 31.959+/-14.972 χ^2/NDF:68.2/53

All: 40.074+/-10.681 χ^2/NDF: 130.2/100



Right In: 93.124+/-0.020 χ^2/NDF: 3407970.7/23

Left Out: 74.903+/-0.012 χ^2/NDF:1661550.3/24

Right Out: 96.906+/-0.020 χ^2/NDF: 4690346.4/28

Left In: 75.156+/-0.013 χ^2/NDF:1312527.7/22

Left: 75.026+/-0.009 χ^2/NDF: 2974276.9/47

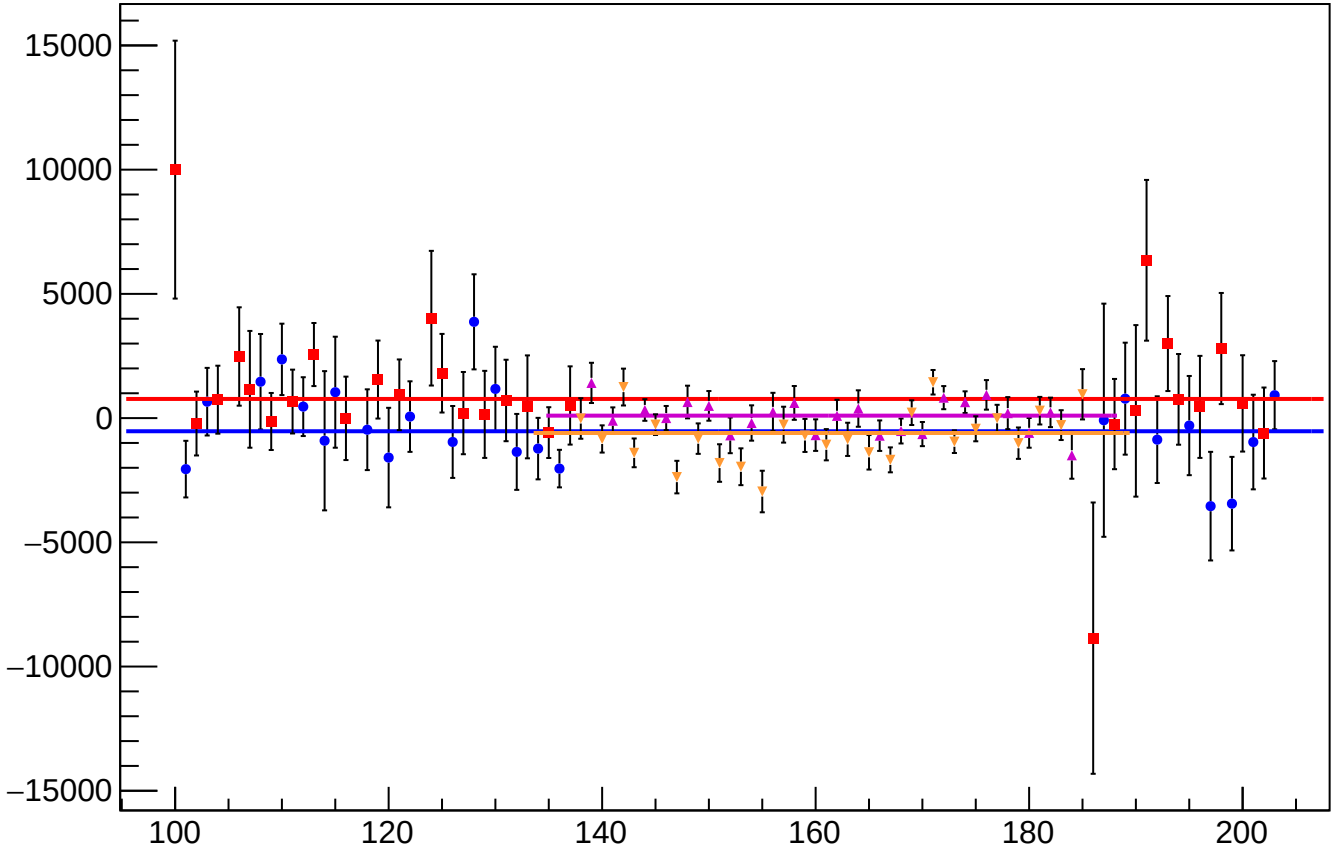
Right: 94.997+/-0.014 χ^2/NDF: 8116490.0/52

In: 80.511+/-0.011 χ^2/NDF:5302046.3/46

Out: 81.109+/-0.011 χ^2/NDF:7226652.9/53

All: 80.816+/-0.008 χ^2/NDF: 12530265.7/100

asym_sam_12345678_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -529.028+/-311.906 χ^2/NDF: 26.2/23

Left Out: -598.825+/-119.324 χ^2/NDF:65.0/24

Right Out: 771.188+/-314.107 χ^2/NDF: 20.7/28

Left In: 99.101+/-122.310 χ^2/NDF:23.7/22

Left: -258.487+/-85.411 χ^2/NDF: 105.4/47

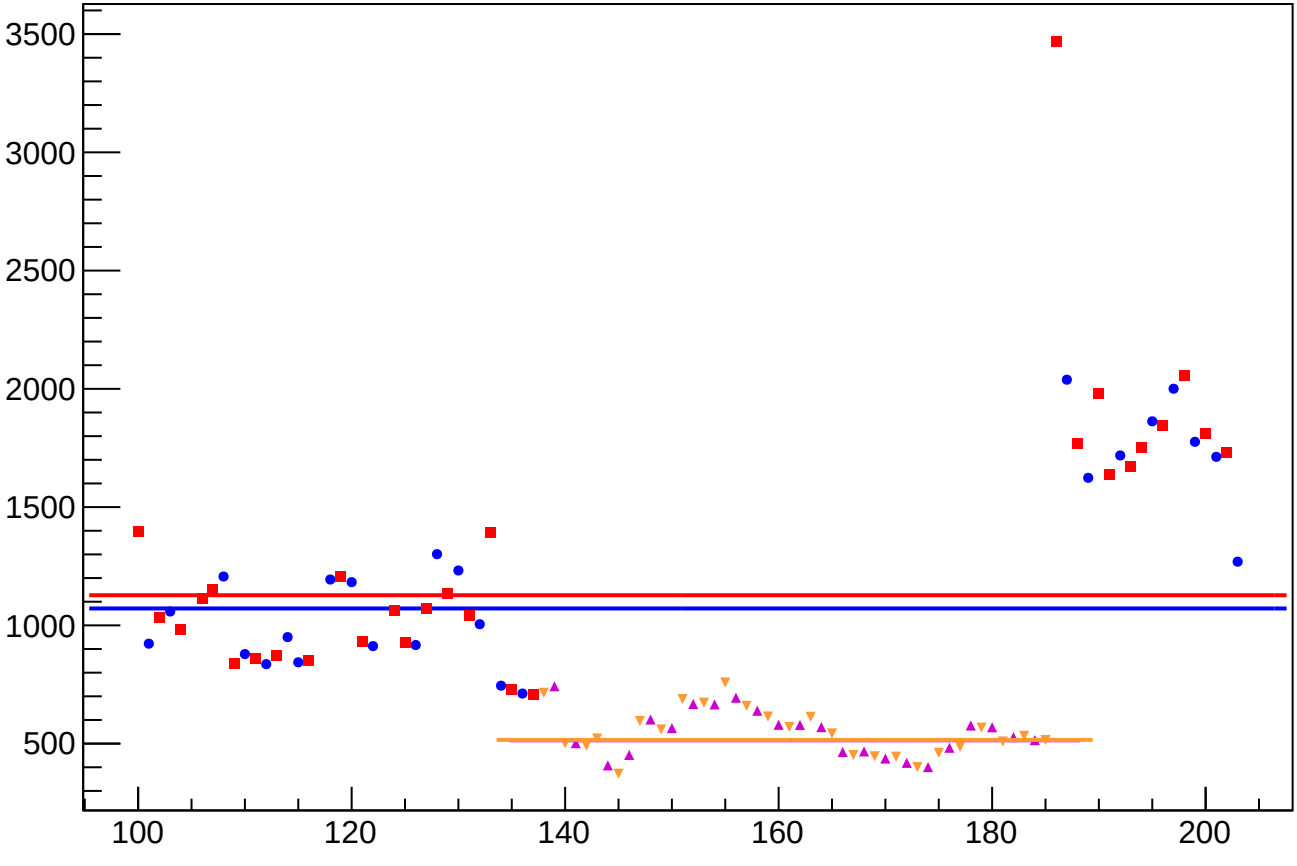
Right: 116.509+/-221.325 χ^2/NDF: 55.5/52

In: 15.386+/-113.868 χ^2/NDF:53.4/46

Out: -426.051+/-111.546 χ^2/NDF:102.4/53

All: -209.880+/-79.683 χ^2/NDF: 163.5/100

asym_sam_12345678_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 1071.439+/-0.221 χ^2/NDF: 2595464.6/23

Left Out: 515.761+/-0.084 χ^2/NDF:1232481.1/24

Right Out: 1127.365+/-0.222 χ^2/NDF: 3192150.1/28

Left In: 514.087+/-0.086 χ^2/NDF:1116882.7/22

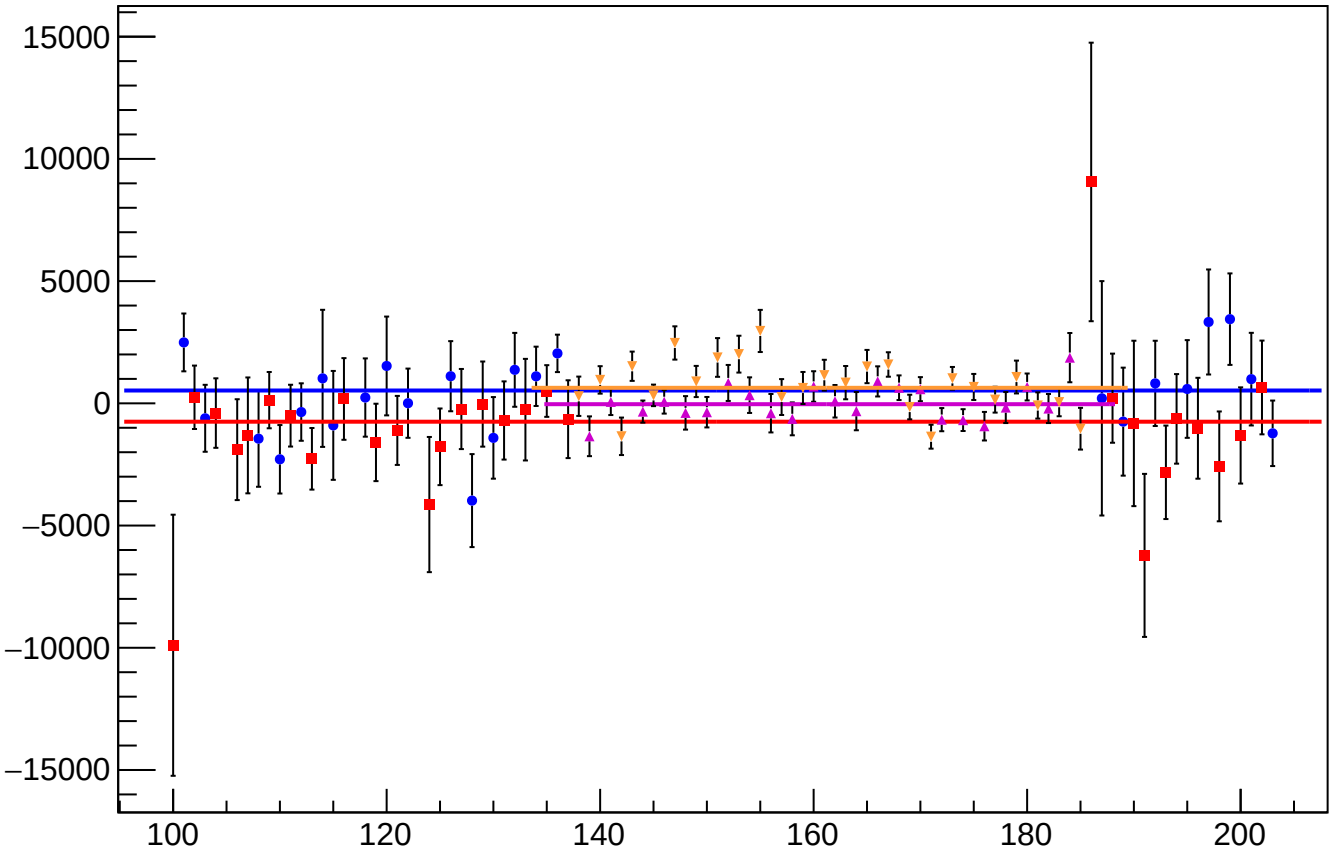
Left: 514.944+/-0.060 χ^2/NDF: 2349555.7/47

Right: 1099.205+/-0.157 χ^2/NDF: 5819539.4/52

In: 588.370+/-0.081 χ^2/NDF:9247401.7/46

Out: 592.891+/-0.079 χ^2/NDF:11050965.5/53

All: 590.677+/-0.056 χ^2/NDF: 20299976.3/10



Right In: 524.976+/-311.422 χ^2/NDF: 27.8/23

Left Out: 634.783+/-120.717 χ^2/NDF:64.5/24

Right Out: -751.429+/-316.226 χ^2/NDF: 18.8/28

Left In: -34.808+/-123.517 χ^2/NDF:25.1/22

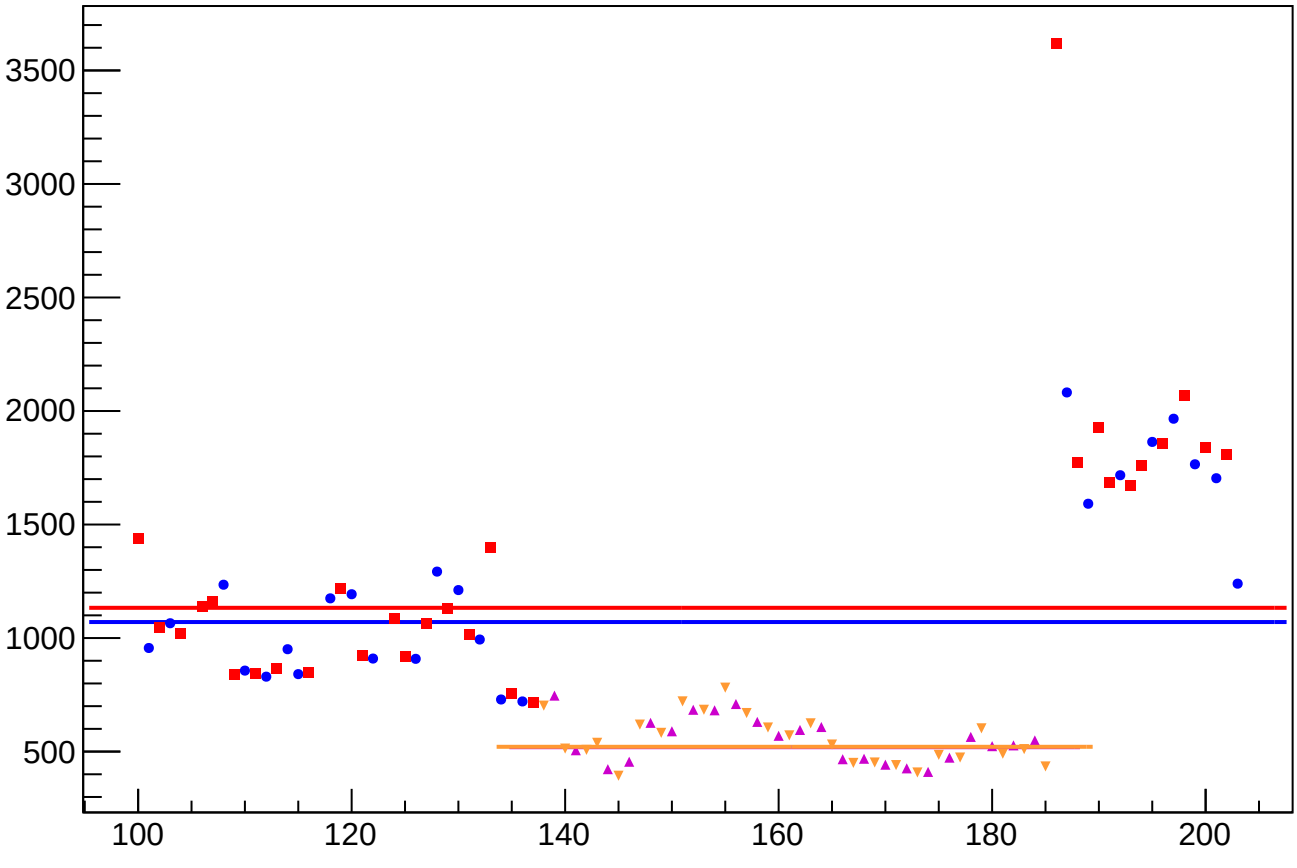
Left: 307.664+/-86.333 χ^2/NDF: 104.6/47

Right: -103.458+/-221.887 χ^2/NDF: 54.8/52

In: 41.282+/-114.816 χ^2/NDF:55.7/46

Out: 458.468+/-112.779 χ^2/NDF:100.0/53

All: 253.609+/-80.457 χ^2/NDF: 162.4/100



Right In: 1070.519+/-0.220 χ^2/NDF: 2546209.8/23

Left Out: 521.025+/-0.085 χ^2/NDF:1243003.9/24

Right Out: 1133.168+/-0.224 χ^2/NDF: 3223367.9/28

Left In: 519.239+/-0.087 χ^2/NDF:1100553.3/22

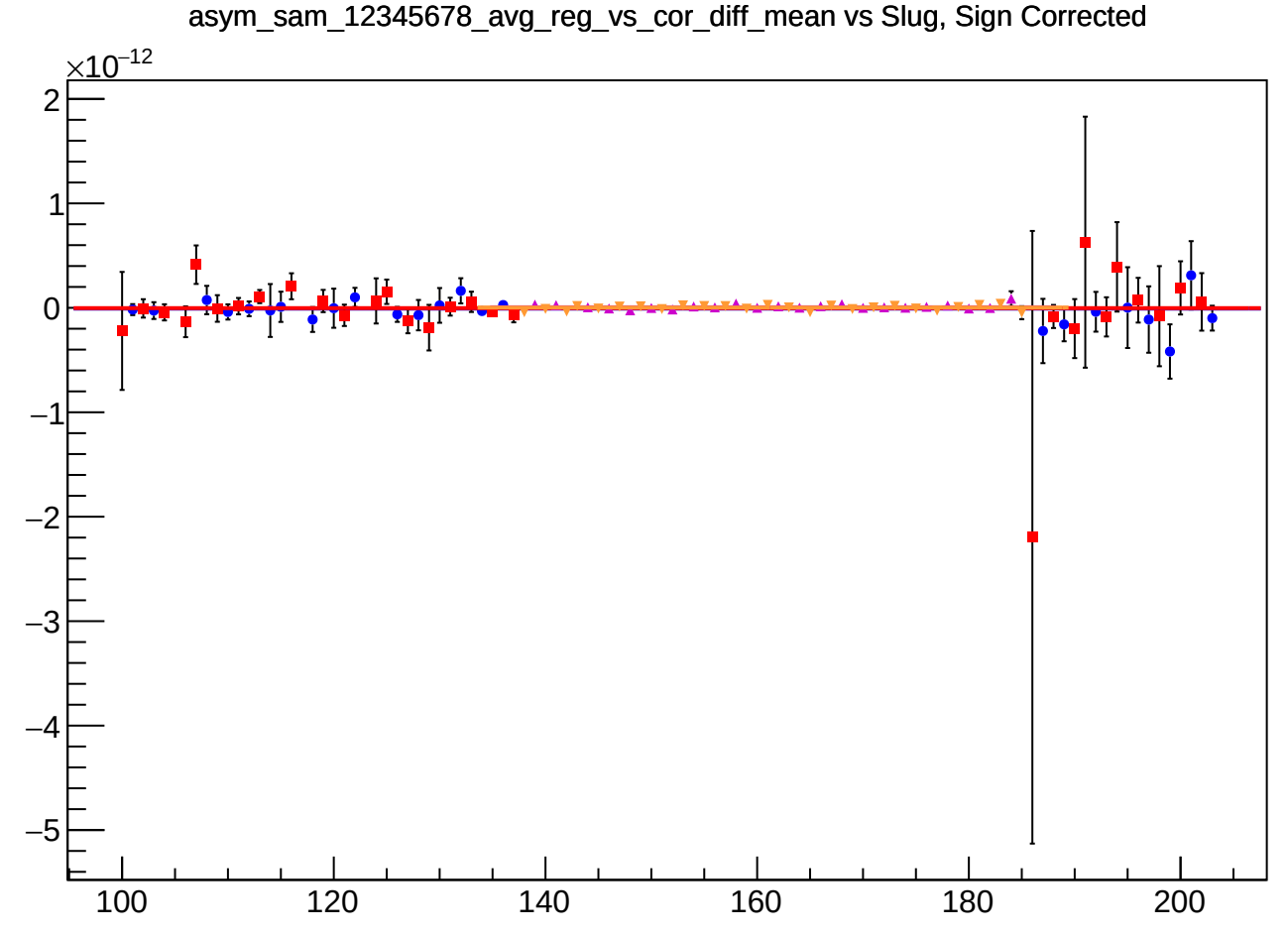
Left: 520.153+/-0.061 χ^2/NDF: 2343771.0/47

Right: 1101.364+/-0.157 χ^2/NDF: 5809428.9/52

In: 594.173+/-0.081 χ^2/NDF:9062095.7/46

Out: 598.885+/-0.080 χ^2/NDF:11007621.4/53

All: 596.571+/-0.057 χ^2/NDF: 20071431.1/10



Right In: -0.000+/-0.000 χ^2/NDF: 12.7/23

Left Out: 0.000+/-0.000 χ^2/NDF:22.4/24

Right Out: -0.000+/-0.000 χ^2/NDF: 23.1/28

Left In: 0.000+/-0.000 χ^2/NDF:10.8/22

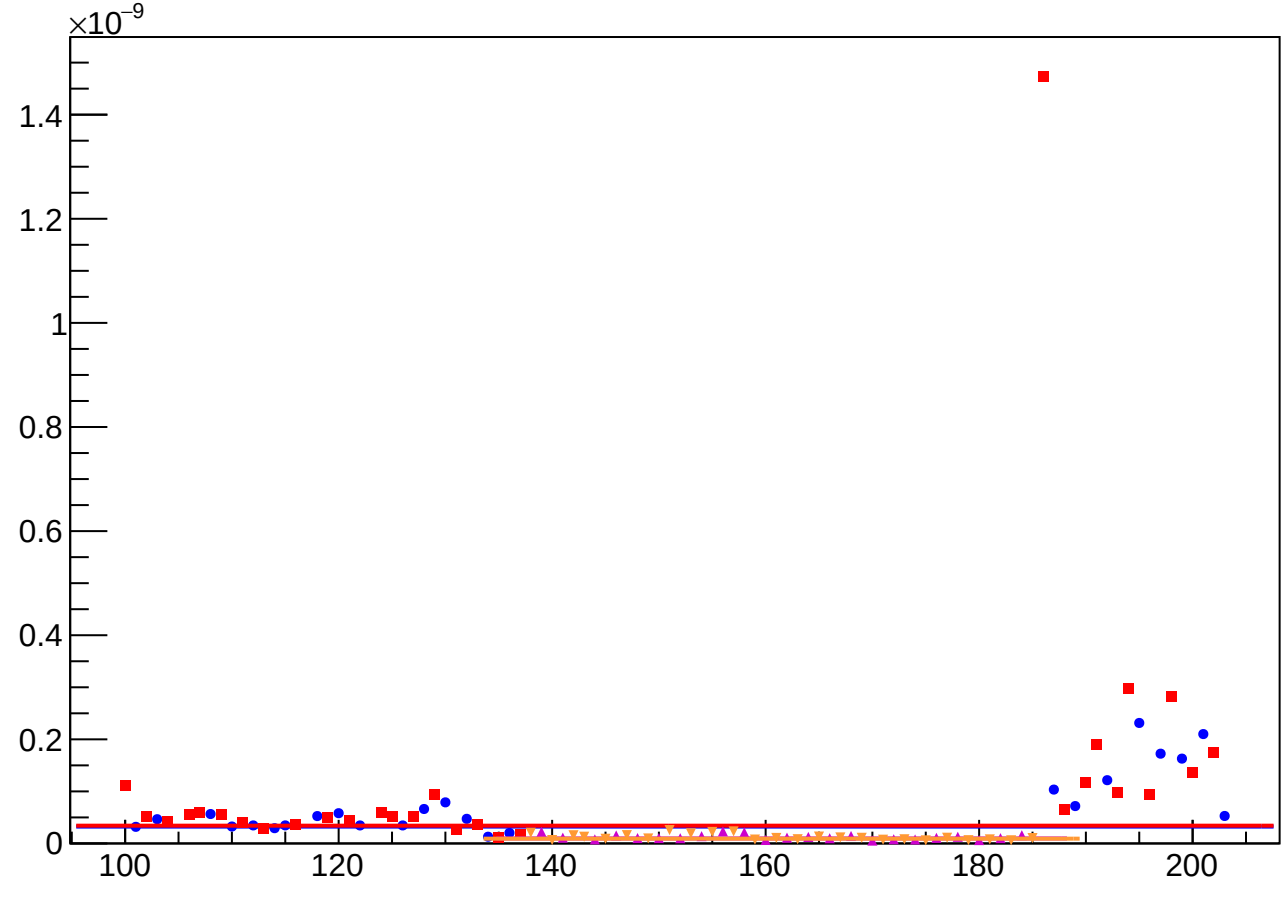
Left: 0.000+/-0.000 χ^2/NDF: 33.4/47

Right: -0.000+/-0.000 χ^2/NDF: 35.8/52

In: 0.000+/-0.000 χ^2/NDF:23.9/46

Out: 0.000+/-0.000 χ^2/NDF:45.6/53

All: 0.000+/-0.000 χ^2/NDF: 69.7/100



Right In: 0.000+/-0.000 χ^2/NDF: 3983421.0/23

Left Out: 0.000+/-0.000 χ^2/NDF:2137290.7/24

Right Out: 0.000+/-0.000 χ^2/NDF: 5152478.8/28

Left In: 0.000+/-0.000 χ^2/NDF:1614718.4/22

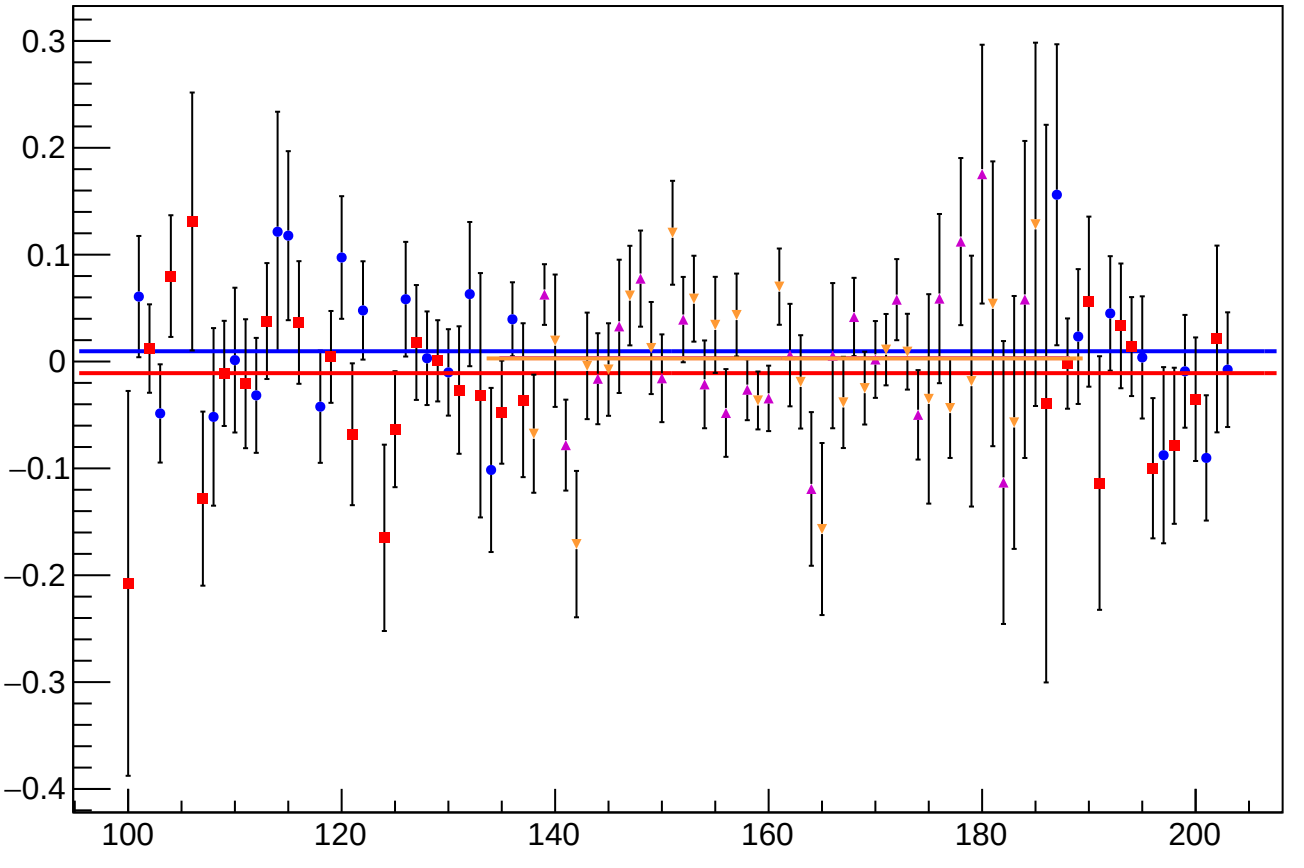
Left: 0.000+/-0.000 χ^2/NDF: 3761199.7/47

Right: 0.000+/-0.000 χ^2/NDF: 9145527.6/52

In: 0.000+/-0.000 χ^2/NDF:8923248.9/46

Out: 0.000+/-0.000 χ^2/NDF:10727870.4/53

All: 0.000+/-0.000 χ^2/NDF: 19672375.0/100



Right In: 0.010+/-0.011 χ^2/NDF: 21.1/23

Left Out: 0.003+/-0.009 χ^2/NDF:32.9/24

Right Out: -0.011+/-0.011 χ^2/NDF: 20.5/28

Left In: 0.003+/-0.009 χ^2/NDF:29.8/22

Left: 0.003+/-0.007 χ^2/NDF: 62.7/47

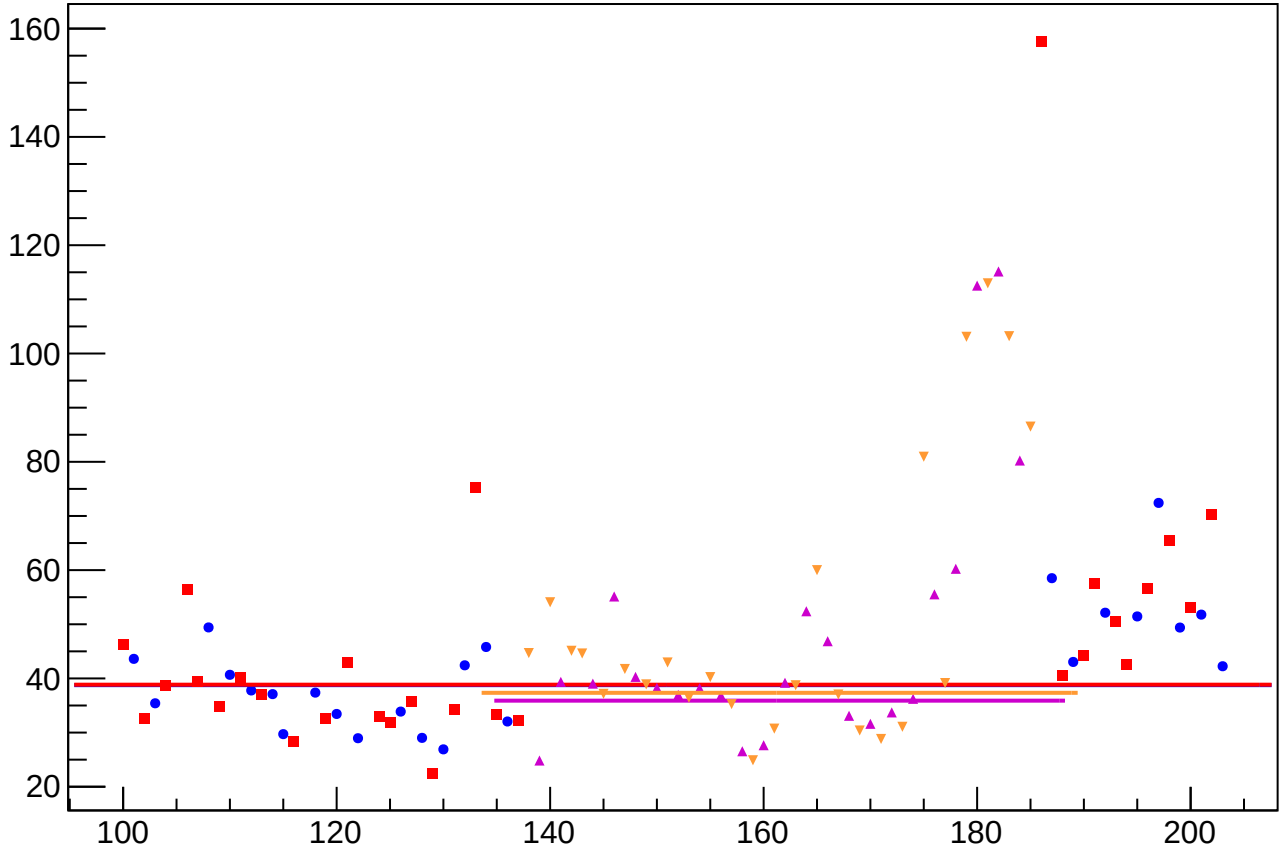
Right: -0.001+/-0.008 χ^2/NDF: 43.3/52

In: 0.006+/-0.007 χ^2/NDF:51.1/46

Out: -0.003+/-0.007 χ^2/NDF:54.3/53

All: 0.001+/-0.005 χ^2/NDF: 106.1/100

asym_sam_12345678_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 38.758+/-0.008 χ^2/NDF: 1374968.1/23

Left Out: 37.344+/-0.007 χ^2/NDF:3696647.0/24

Right Out: 38.844+/-0.008 χ^2/NDF: 2268190.4/28

Left In: 35.896+/-0.006 χ^2/NDF:3138291.6/22

Left: 36.612+/-0.005 χ^2/NDF: 6859658.6/47

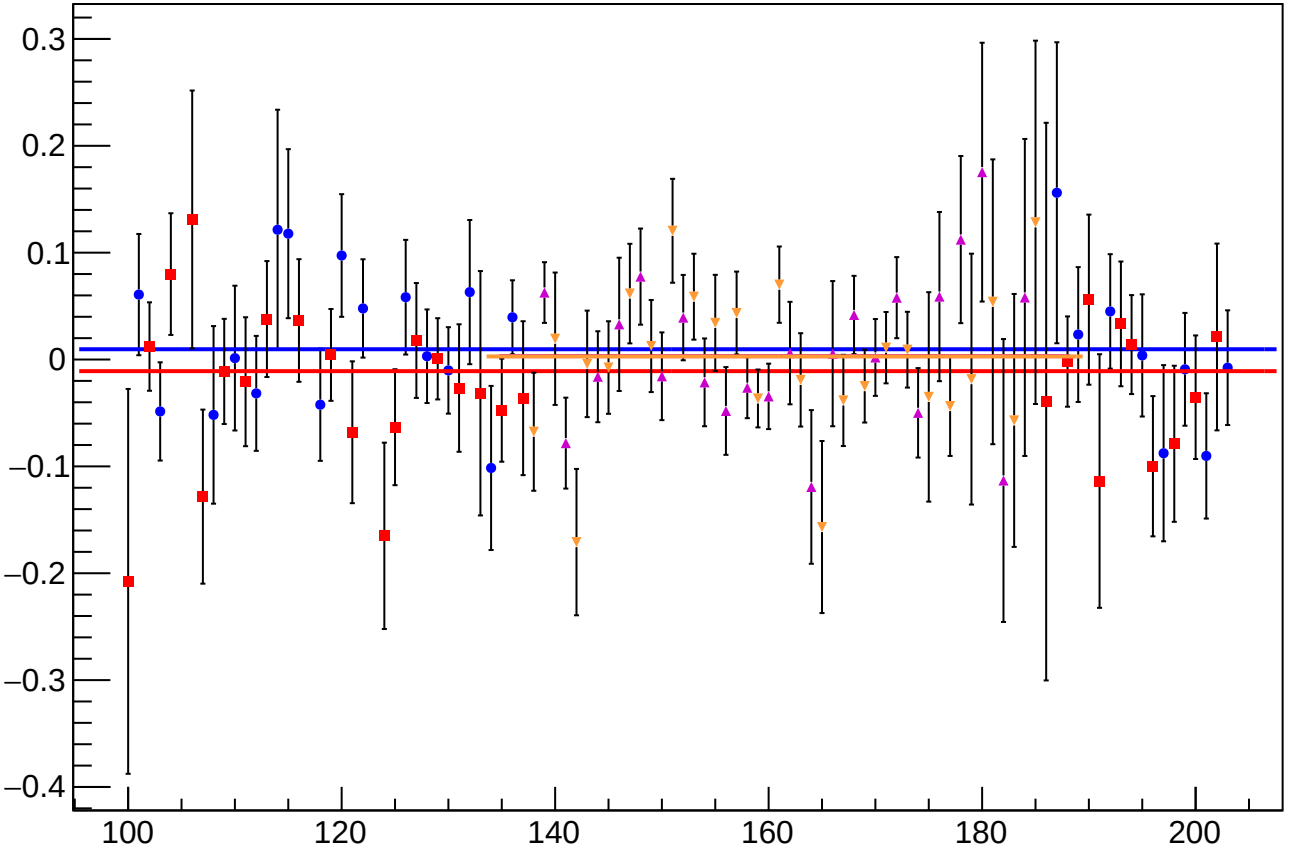
Right: 38.802+/-0.006 χ^2/NDF: 3643216.2/52

In: 37.017+/-0.005 χ^2/NDF:4589749.9/46

Out: 37.961+/-0.005 χ^2/NDF:5986414.4/53

All: 37.491+/-0.004 χ^2/NDF: 10593710.4/100

asym_sam_12345678_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.010+/-0.011 χ^2/NDF: 21.1/23

Left Out: 0.003+/-0.009 χ^2/NDF:32.9/24

Right Out: -0.011+/-0.011 χ^2/NDF: 20.5/28

Left In: 0.003+/-0.009 χ^2/NDF:29.8/22

Left: 0.003+/-0.007 χ^2/NDF: 62.7/47

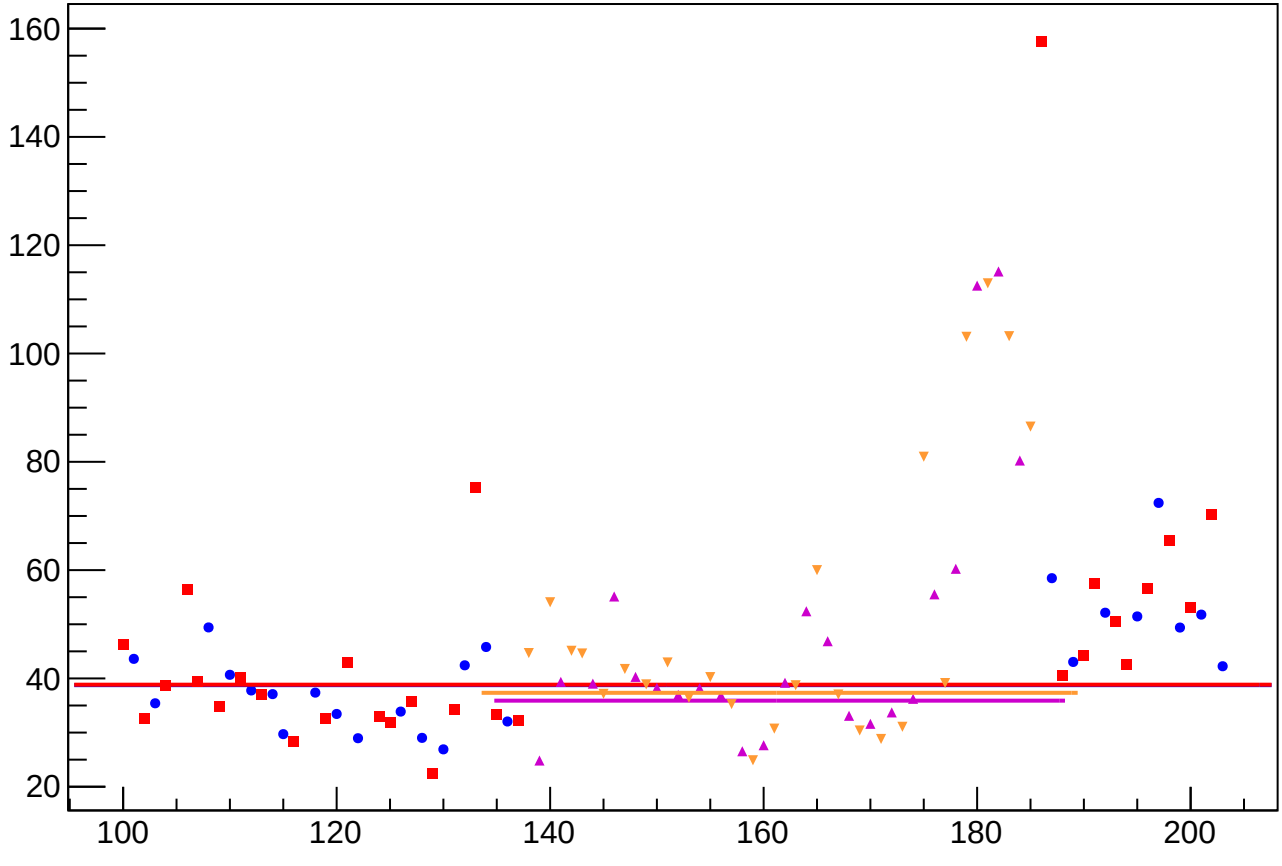
Right: -0.001+/-0.008 χ^2/NDF: 43.3/52

In: 0.006+/-0.007 χ^2/NDF:51.1/46

Out: -0.003+/-0.007 χ^2/NDF:54.3/53

All: 0.001+/-0.005 χ^2/NDF: 106.1/100

asym_sam_12345678_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 38.758+/-0.008 χ^2/NDF: 1374968.1/23

Left Out: 37.344+/-0.007 χ^2/NDF:3696647.0/24

Right Out: 38.844+/-0.008 χ^2/NDF: 2268190.4/28

Left In: 35.896+/-0.006 χ^2/NDF:3138291.6/22

Left: 36.612+/-0.005 χ^2/NDF: 6859658.6/47

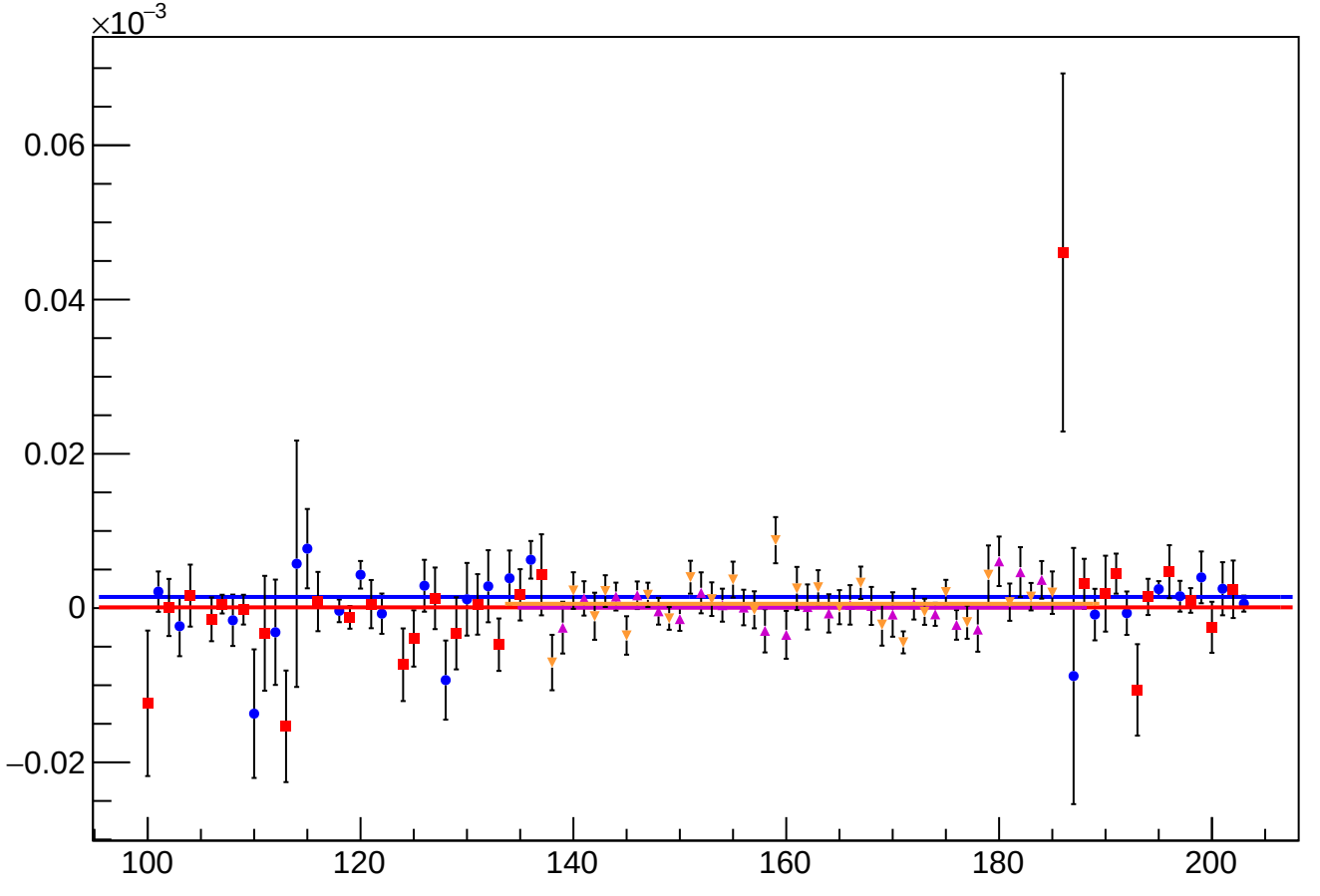
Right: 38.802+/-0.006 χ^2/NDF: 3643216.2/52

In: 37.017+/-0.005 χ^2/NDF:4589749.9/46

Out: 37.961+/-0.005 χ^2/NDF:5986414.4/53

All: 37.491+/-0.004 χ^2/NDF: 10593710.4/100

asym_sam_12345678_avg_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 24.7/23

Left Out: 0.000+/-0.000 χ^2/NDF:43.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 29.7/28

Left In: 0.000+/-0.000 χ^2/NDF:16.9/22

Left: 0.000+/-0.000 χ^2/NDF: 61.1/47

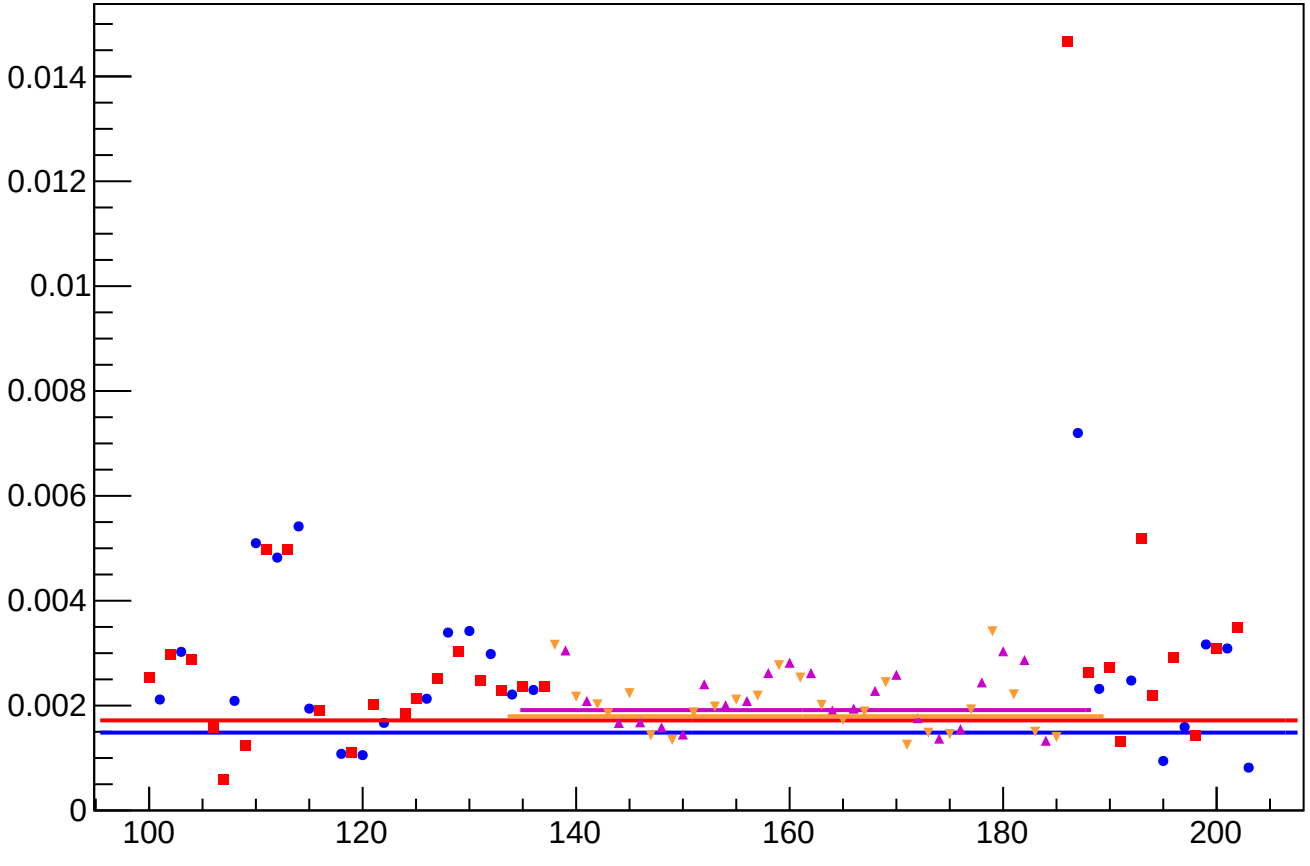
Right: 0.000+/-0.000 χ^2/NDF: 57.9/52

In: 0.000+/-0.000 χ^2/NDF:45.9/46

Out: 0.000+/-0.000 χ^2/NDF:73.7/53

All: 0.000+/-0.000 χ^2/NDF: 120.0/100

asym_sam_12345678_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.001+/-0.000 χ^2/NDF: 5891280.3/23

Left Out: 0.002+/-0.000 χ^2/NDF:2279340.7/24

Right Out: 0.002+/-0.000 χ^2/NDF: 6701498.7/28

Left In: 0.002+/-0.000 χ^2/NDF:2171715.8/22

Left: 0.002+/-0.000 χ^2/NDF: 4520286.4/47

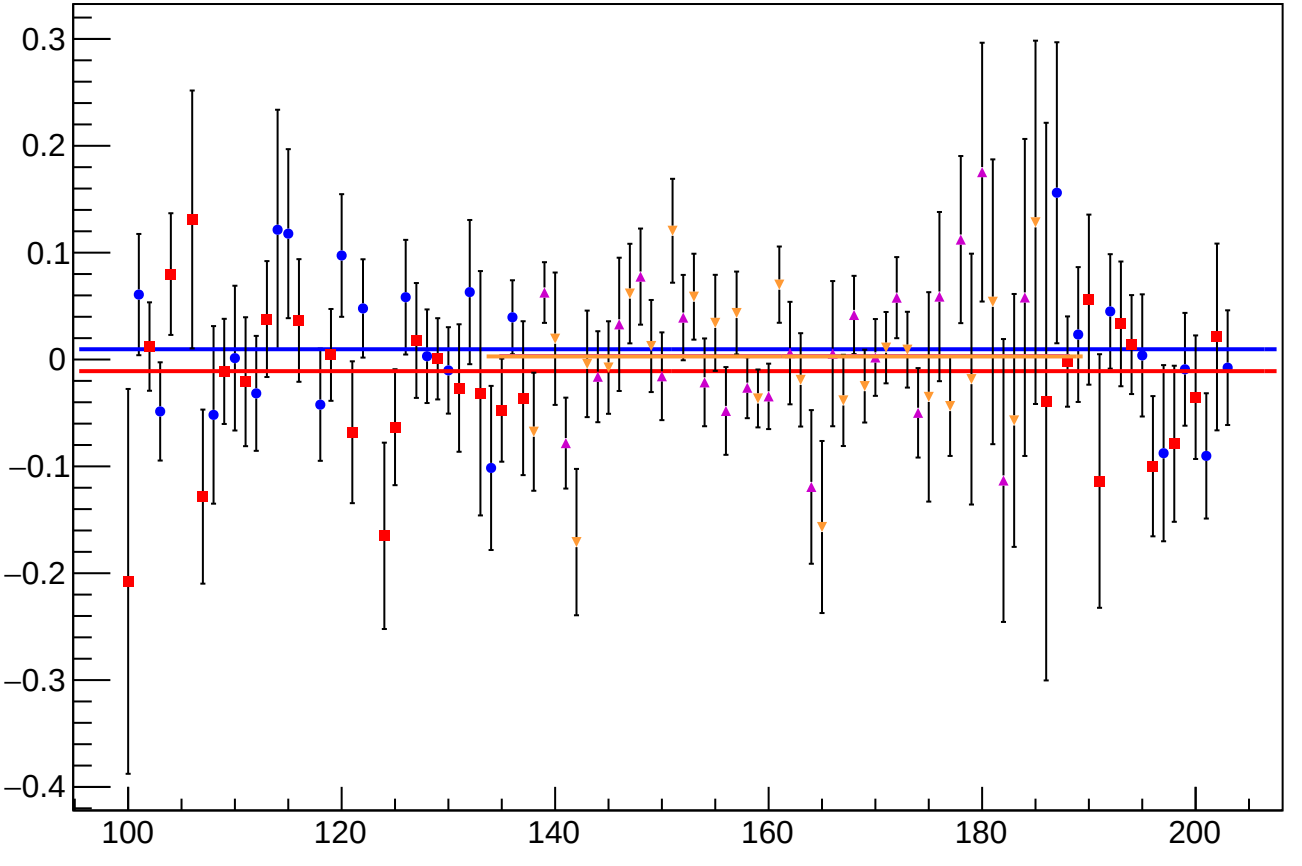
Right: 0.002+/-0.000 χ^2/NDF: 12803083.5/52

In: 0.002+/-0.000 χ^2/NDF:8880741.7/46

Out: 0.002+/-0.000 χ^2/NDF:9007743.4/53

All: 0.002+/-0.000 χ^2/NDF: 17919087.7/100

asym_sam_12345678_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.010+/-0.011 χ^2/NDF: 21.1/23

Left Out: 0.003+/-0.009 χ^2/NDF:32.9/24

Right Out: -0.011+/-0.011 χ^2/NDF: 20.5/28

Left In: 0.003+/-0.009 χ^2/NDF:29.8/22

Left: 0.003+/-0.007 χ^2/NDF: 62.7/47

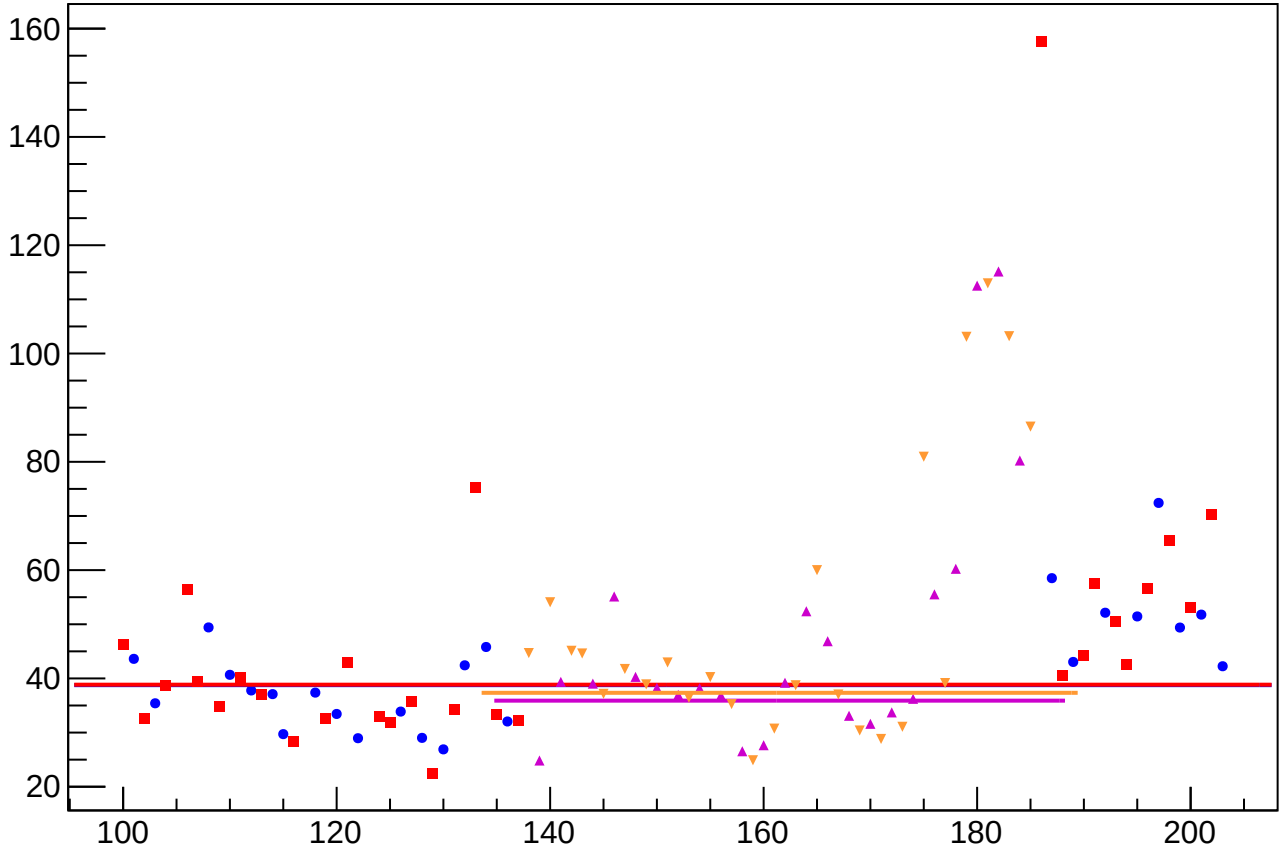
Right: -0.001+/-0.008 χ^2/NDF: 43.3/52

In: 0.006+/-0.007 χ^2/NDF:51.1/46

Out: -0.003+/-0.007 χ^2/NDF:54.3/53

All: 0.001+/-0.005 χ^2/NDF: 106.1/100

asym_sam_12345678_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 38.758+/-0.008 χ^2/NDF: 1375084.5/23

Left Out: 37.344+/-0.007 χ^2/NDF:3696697.3/24

Right Out: 38.843+/-0.008 χ^2/NDF: 2268310.6/28

Left In: 35.896+/-0.006 χ^2/NDF:3138307.4/22

Left: 36.612+/-0.005 χ^2/NDF: 6859720.7/47

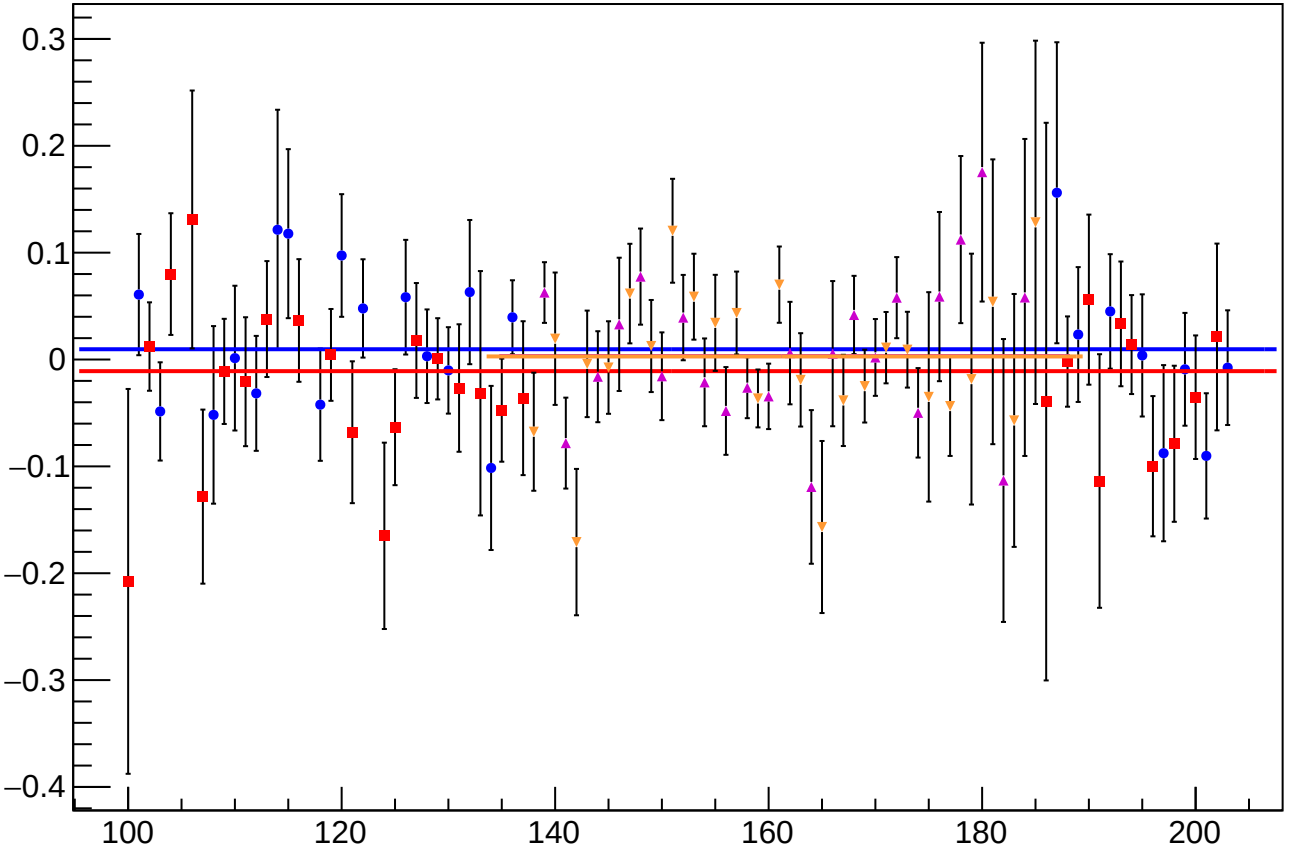
Right: 38.802+/-0.006 χ^2/NDF: 3643453.2/52

In: 37.017+/-0.005 χ^2/NDF:4589827.8/46

Out: 37.961+/-0.005 χ^2/NDF:5986567.4/53

All: 37.491+/-0.004 χ^2/NDF: 10593942.3/100

asym_sam_12345678_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.010+/-0.011 χ^2/NDF: 21.1/23

Left Out: 0.003+/-0.009 χ^2/NDF:32.9/24

Right Out: -0.011+/-0.011 χ^2/NDF: 20.5/28

Left In: 0.003+/-0.009 χ^2/NDF:29.8/22

Left: 0.003+/-0.007 χ^2/NDF: 62.7/47

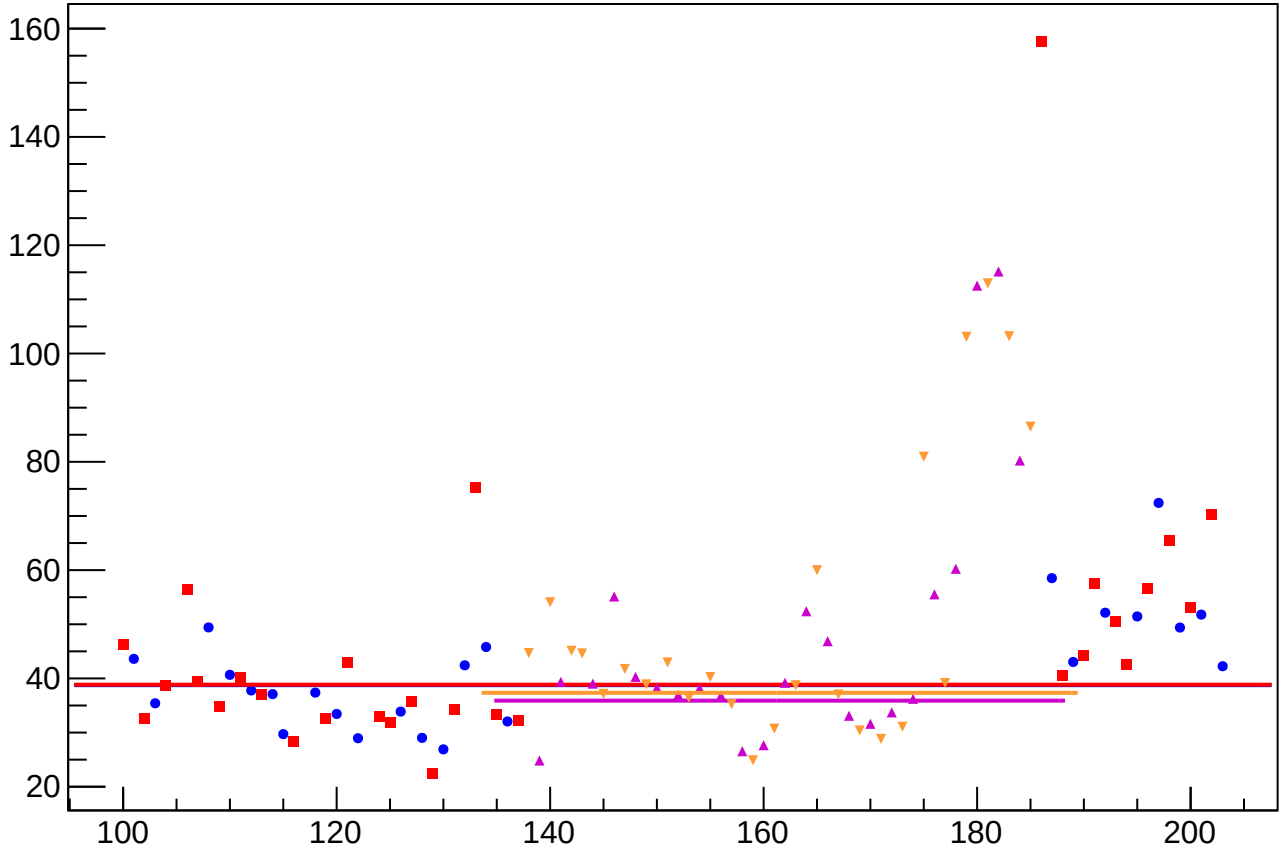
Right: -0.001+/-0.008 χ^2/NDF: 43.3/52

In: 0.006+/-0.007 χ^2/NDF:51.1/46

Out: -0.003+/-0.007 χ^2/NDF:54.3/53

All: 0.001+/-0.005 χ^2/NDF: 106.1/100

asym_sam_12345678_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 38.758+/-0.008 χ^2/NDF: 1375084.5/23

Left Out: 37.344+/-0.007 χ^2/NDF:3696697.3/24

Right Out: 38.843+/-0.008 χ^2/NDF: 2268310.6/28

Left In: 35.896+/-0.006 χ^2/NDF:3138307.4/22

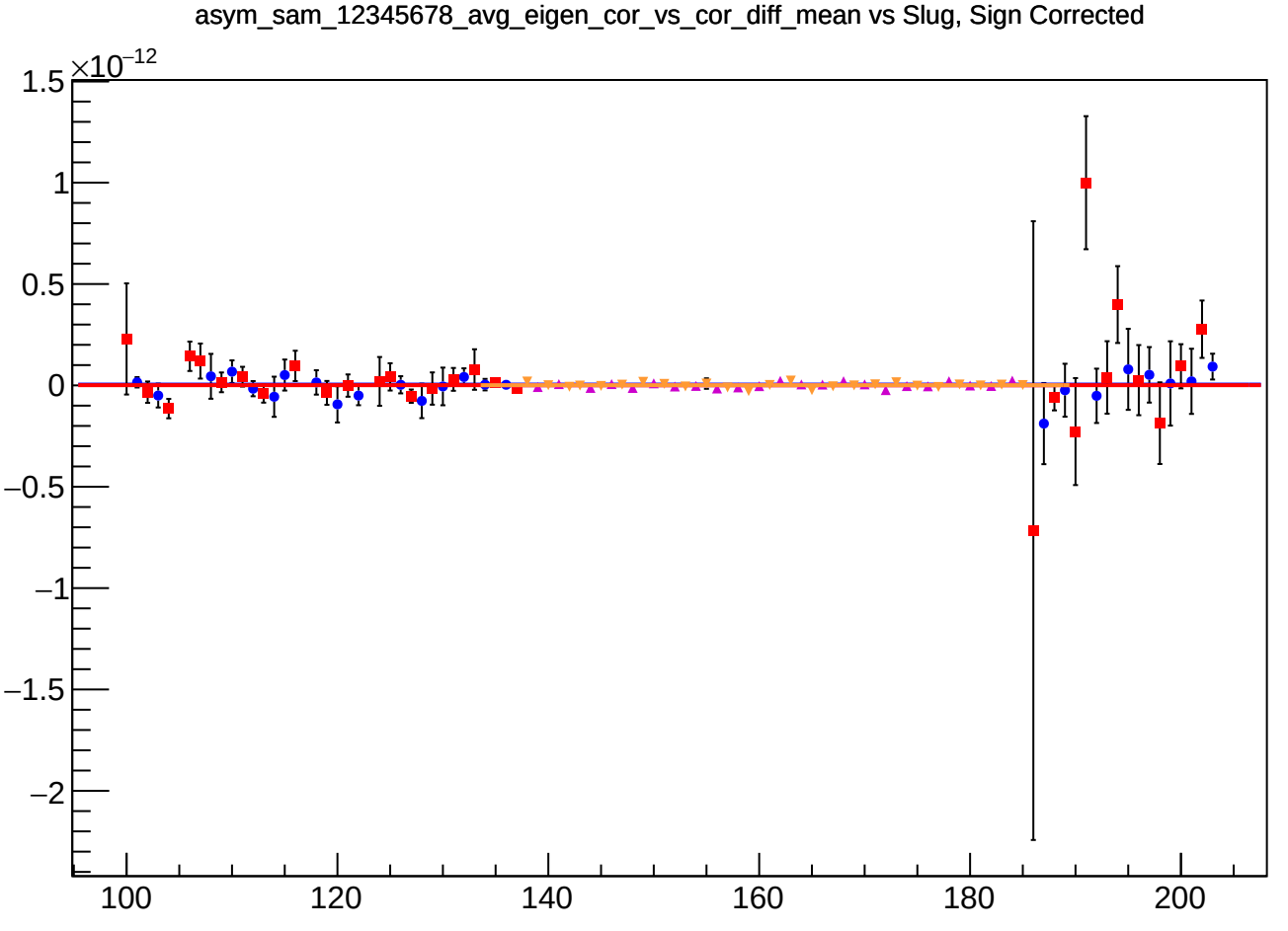
Left: 36.612+/-0.005 χ^2/NDF: 6859720.7/47

Right: 38.802+/-0.006 χ^2/NDF: 3643453.2/52

In: 37.017+/-0.005 χ^2/NDF:4589827.8/46

Out: 37.961+/-0.005 χ^2/NDF:5986567.4/53

All: 37.491+/-0.004 χ^2/NDF: 10593942.3/100



Right In: 0.000+/-0.000 χ^2/NDF: 11.1/23

Left Out: 0.000+/-0.000 χ^2/NDF:21.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 42.6/28

Left In: 0.000+/-0.000 χ^2/NDF:29.2/22

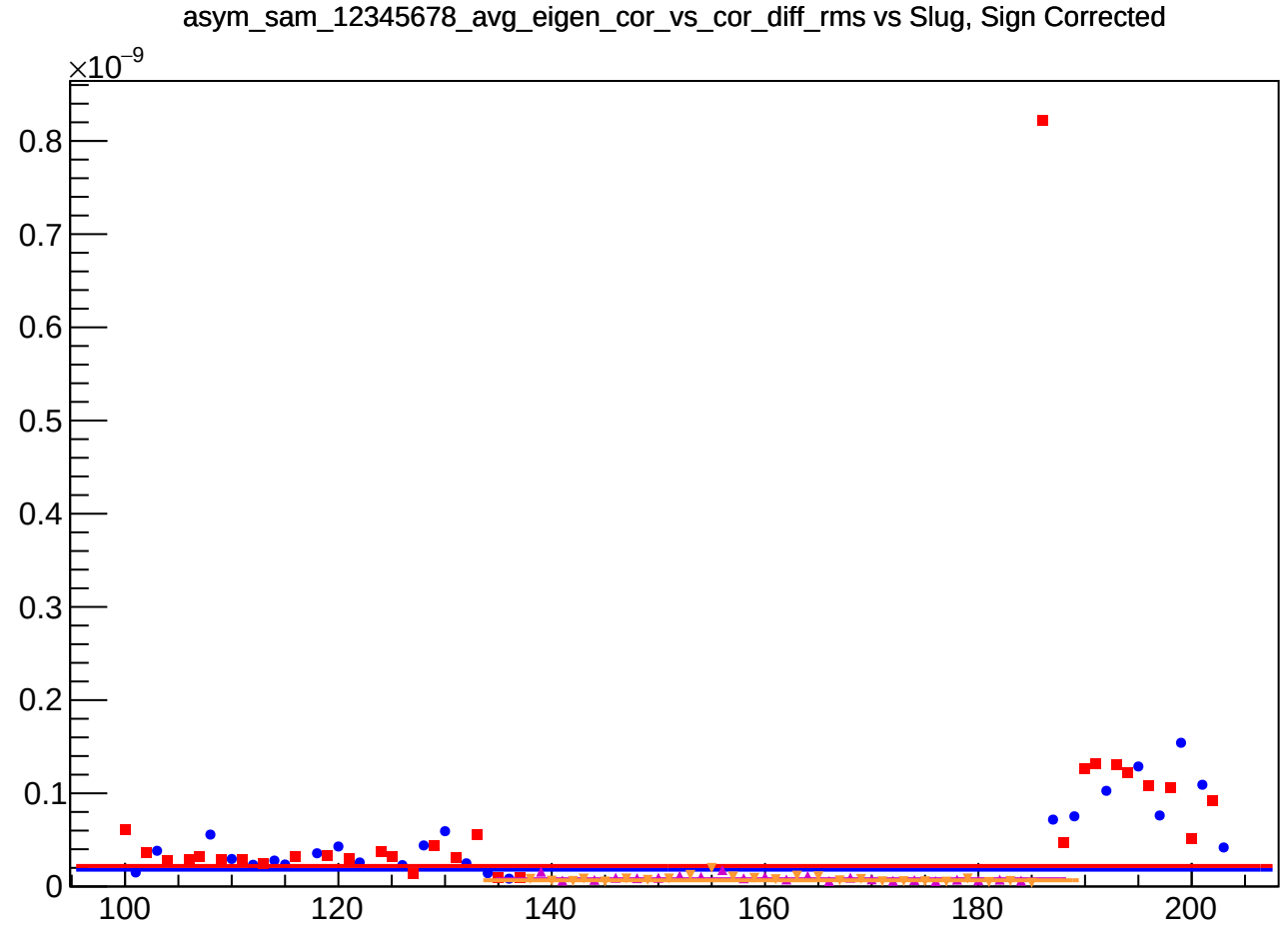
Left: 0.000+/-0.000 χ^2/NDF: 50.6/47

Right: 0.000+/-0.000 χ^2/NDF: 53.7/52

In: 0.000+/-0.000 χ^2/NDF:40.4/46

Out: 0.000+/-0.000 χ^2/NDF:64.0/53

All: 0.000+/-0.000 χ^2/NDF: 104.3/100



Right In: 0.000+/-0.000 χ^2/NDF: 7017574.3/23

Left Out: 0.000+/-0.000 χ^2/NDF:2192403.1/24

Right Out: 0.000+/-0.000 χ^2/NDF: 6760938.8/28

Left In: 0.000+/-0.000 χ^2/NDF:1582294.4/22

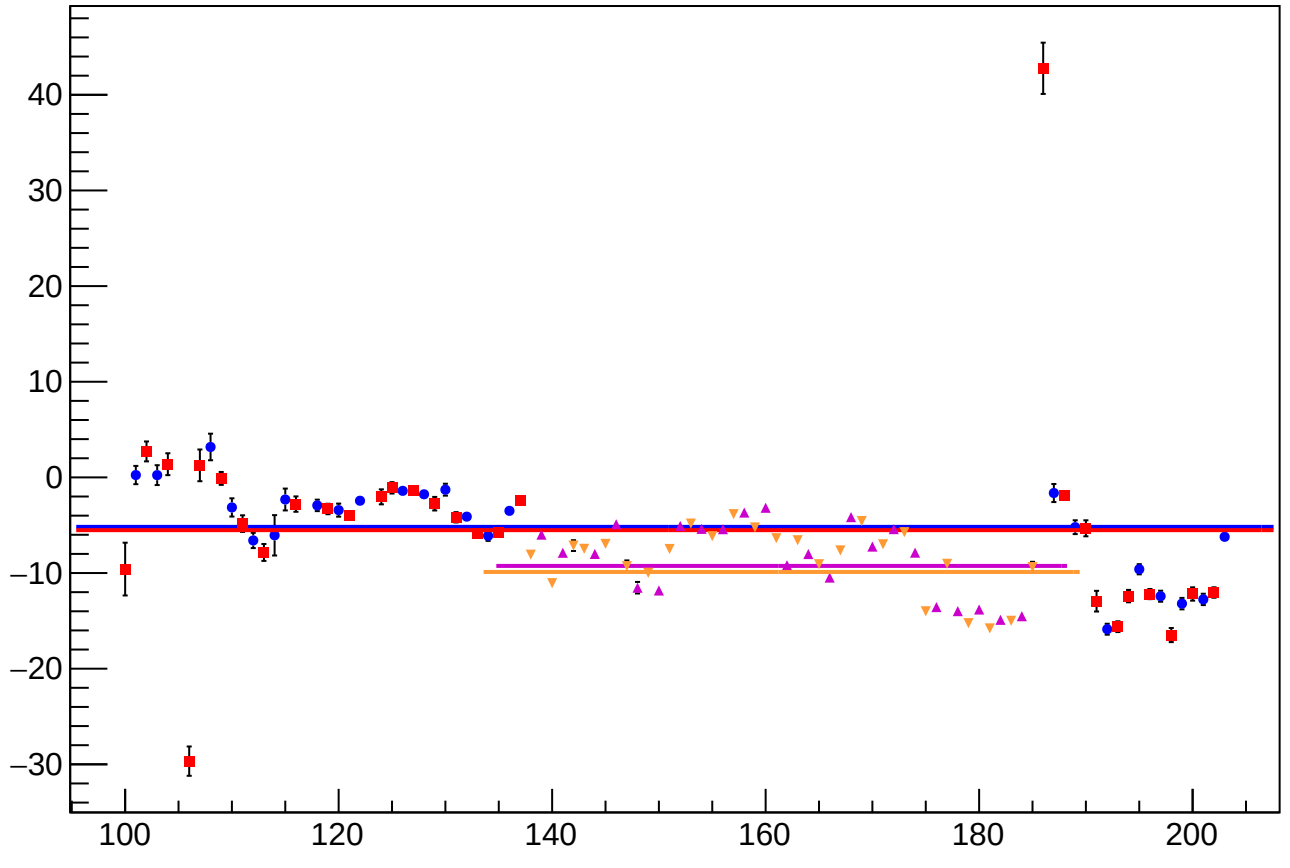
Left: 0.000+/-0.000 χ^2/NDF: 4027727.7/47

Right: 0.000+/-0.000 χ^2/NDF: 13960178.8/52

In: 0.000+/-0.000 χ^2/NDF:11313867.1/46

Out: 0.000+/-0.000 χ^2/NDF:13528335.2/53

All: 0.000+/-0.000 χ^2/NDF: 25144697.4/100



Right In: -5.173+/-0.114 χ^2/NDF: 1313.3/23

Left Out: -9.886+/-0.070 χ^2/NDF:3206.9/24

Right Out: -5.516+/-0.112 χ^2/NDF: 2251.6/28

Left In: -9.255+/-0.072 χ^2/NDF:3067.6/22

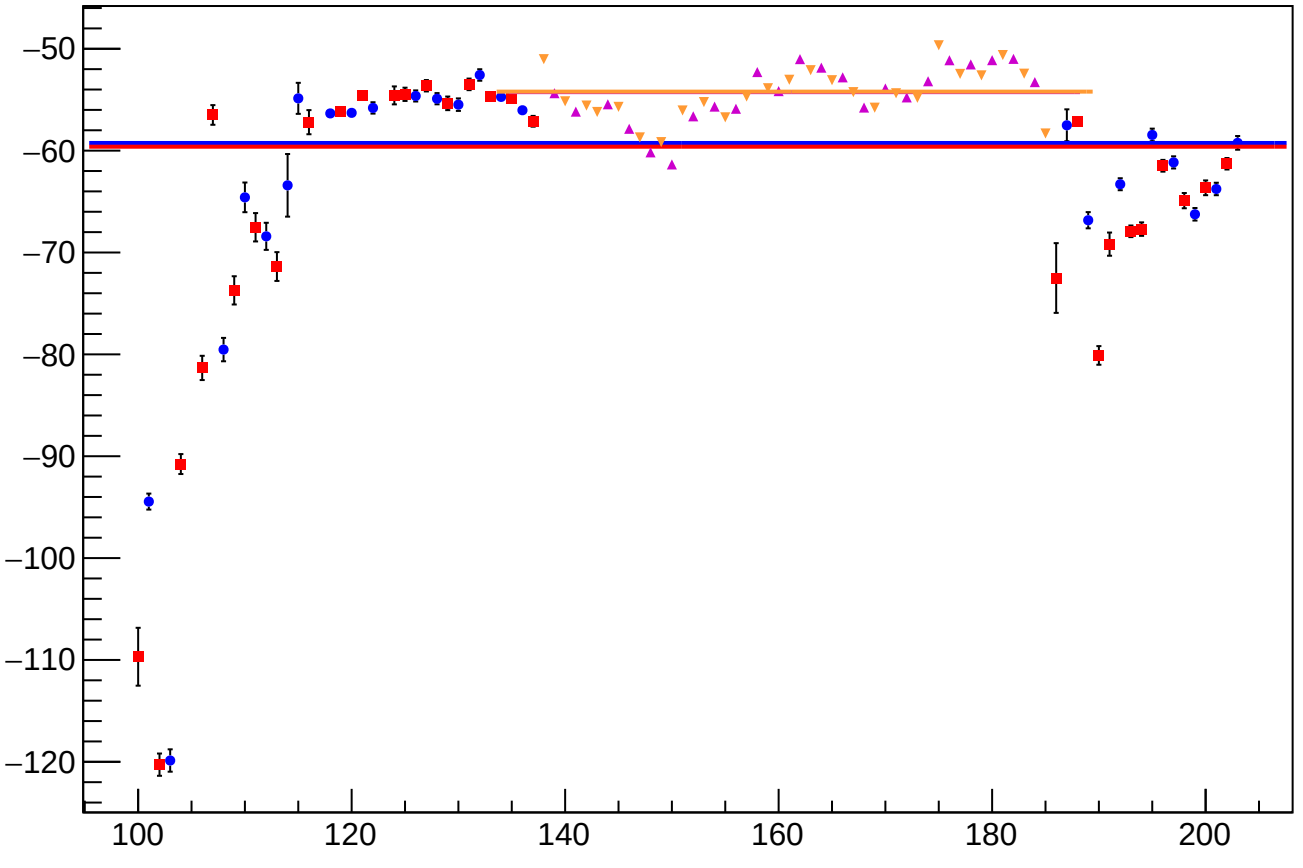
Left: -9.580+/-0.050 χ^2/NDF: 6314.6/47

Right: -5.347+/-0.080 χ^2/NDF: 3569.5/52

In: -8.097+/-0.061 χ^2/NDF:5302.2/46

Out: -8.676+/-0.059 χ^2/NDF:6552.5/53

All: -8.394+/-0.042 χ^2/NDF: 11901.5/100



Right In: -59.246+/-0.118 χ^2/NDF: 6520.7/23

Left Out: -54.206+/-0.056 χ^2/NDF:1857.6/24

Right Out: -59.613+/-0.116 χ^2/NDF: 7038.6/28

Left In: -54.257+/-0.058 χ^2/NDF:2489.9/22

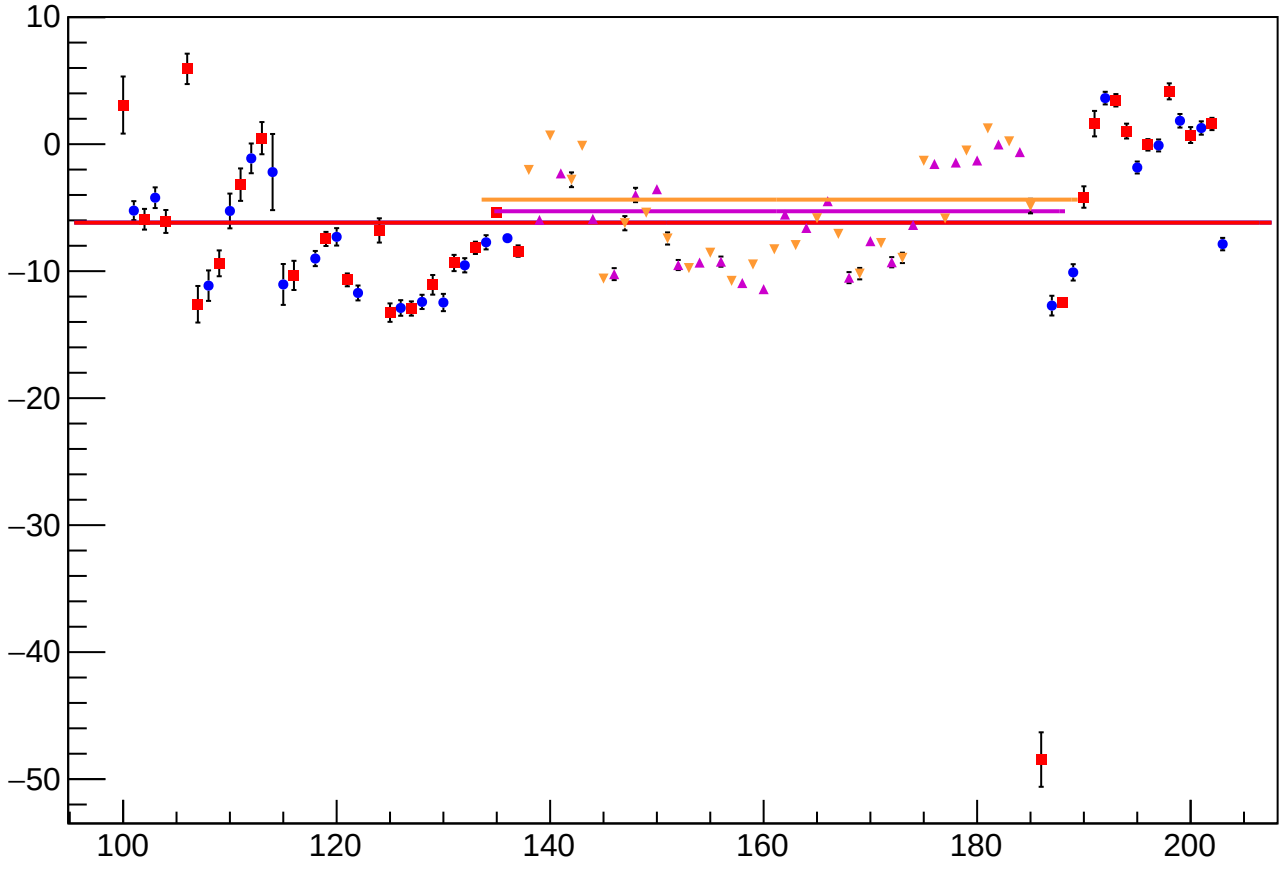
Left: -54.230+/-0.040 χ^2/NDF: 4347.9/47

Right: -59.432+/-0.083 χ^2/NDF: 13564.2/52

In: -55.241+/-0.052 χ^2/NDF:10454.1/46

Out: -55.216+/-0.050 χ^2/NDF:10648.3/53

All: -55.228+/-0.036 χ^2/NDF: 21102.5/100



Right In: -6.172+/-0.115 χ^2/NDF: 1753.7/23

Left Out: -4.366+/-0.069 χ^2/NDF:3701.4/24

Right Out: -6.181+/-0.111 χ^2/NDF: 3038.4/28

Left In: -5.283+/-0.071 χ^2/NDF:2750.2/22

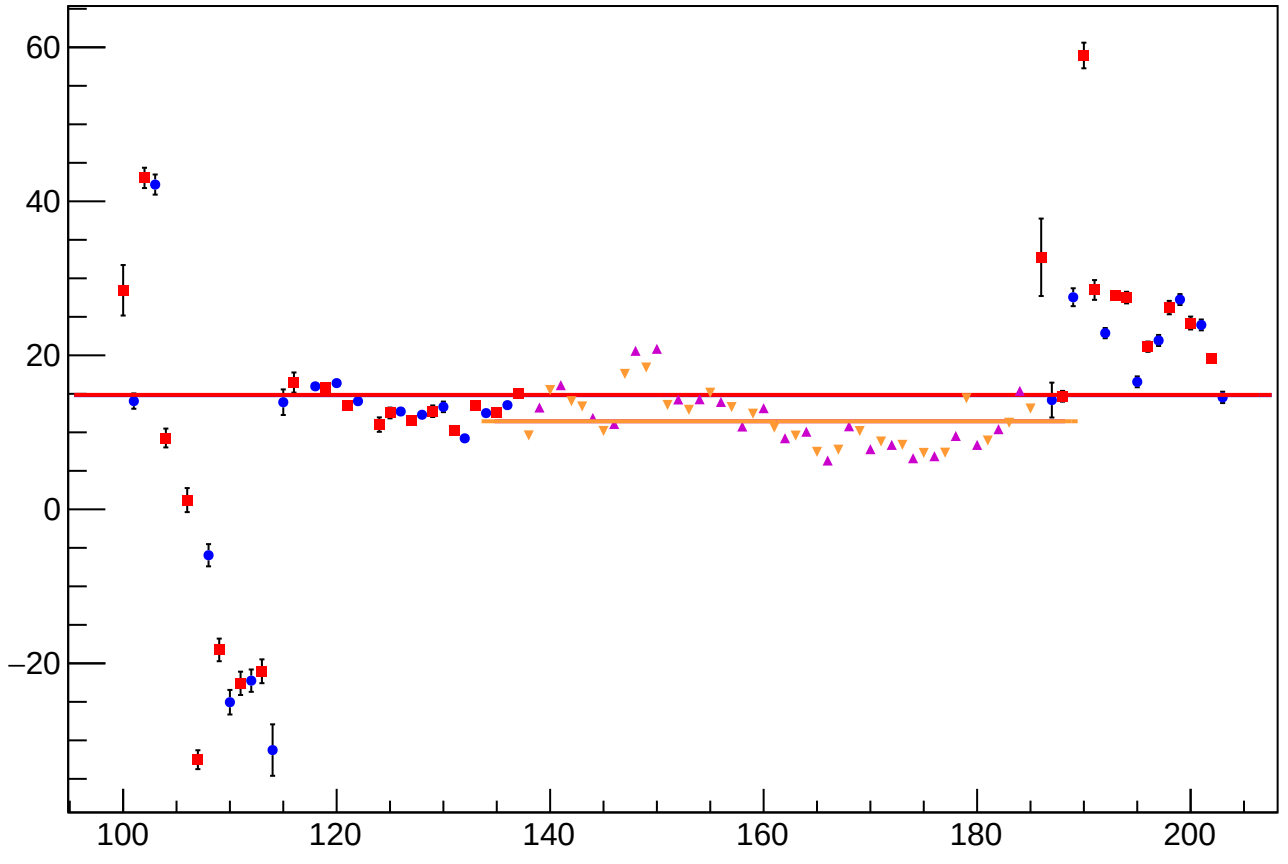
Left: -4.813+/-0.050 χ^2/NDF: 6536.9/47

Right: -6.177+/-0.080 χ^2/NDF: 4792.1/52

In: -5.530+/-0.060 χ^2/NDF:4547.4/46

Out: -4.875+/-0.059 χ^2/NDF:6932.3/53

All: -5.193+/-0.042 χ^2/NDF: 11540.1/100



Right In: 14.828+/-0.132 χ^2/NDF: 3146.8/23

Left Out: 11.438+/-0.062 χ^2/NDF:2435.7/24

Right Out: 14.862+/-0.133 χ^2/NDF: 5860.9/28

Left In: 11.441+/-0.064 χ^2/NDF:3358.4/22

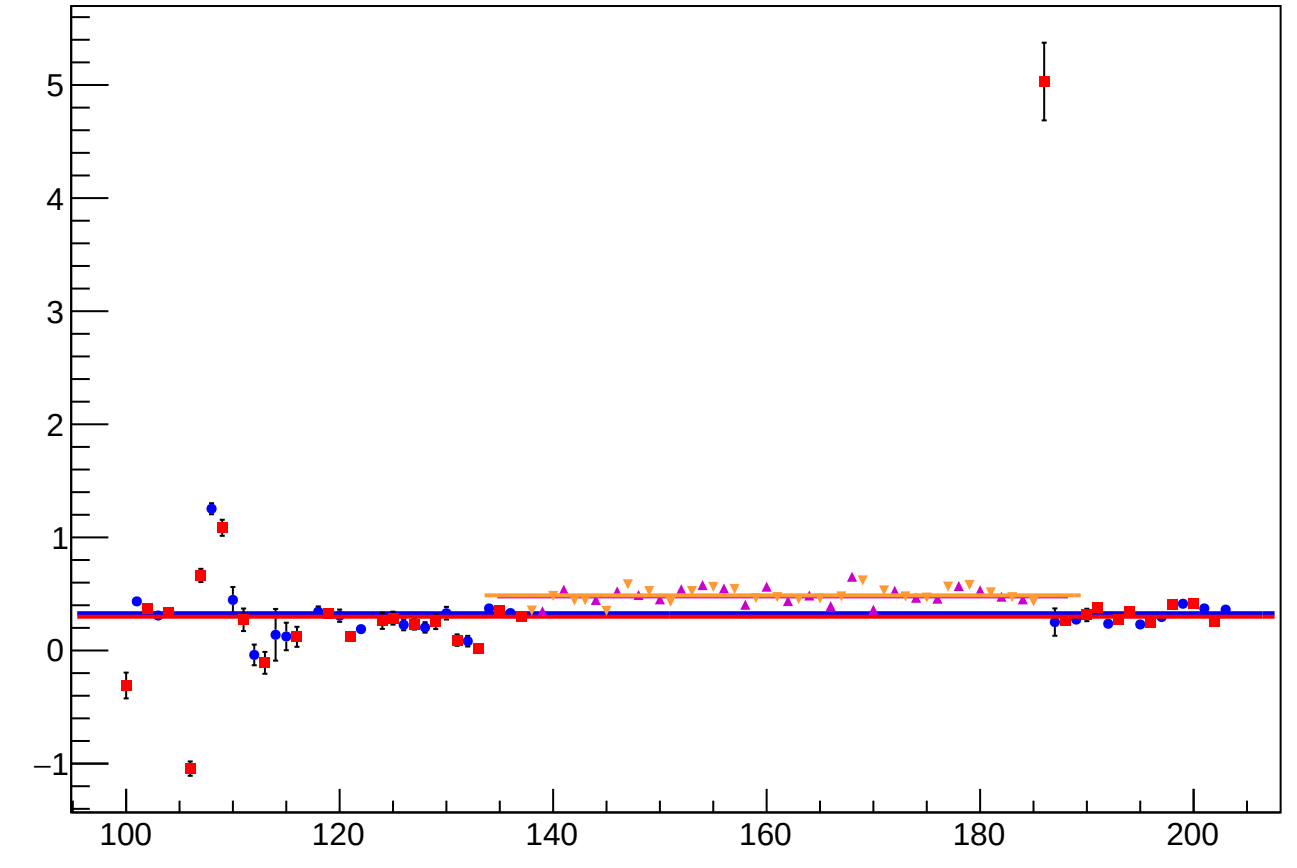
Left: 11.439+/-0.045 χ^2/NDF: 5794.1/47

Right: 14.845+/-0.094 χ^2/NDF: 9007.7/52

In: 12.088+/-0.058 χ^2/NDF:7036.5/46

Out: 12.046+/-0.056 χ^2/NDF:8838.6/53

All: 12.066+/-0.040 χ^2/NDF: 15875.4/100



Right In: 0.330+/-0.006 χ^2/NDF: 506.0/23

Left Out: 0.488+/-0.003 χ^2/NDF:539.4/24

Right Out: 0.299+/-0.006 χ^2/NDF: 1038.0/28

Left In: 0.478+/-0.003 χ^2/NDF:798.2/22

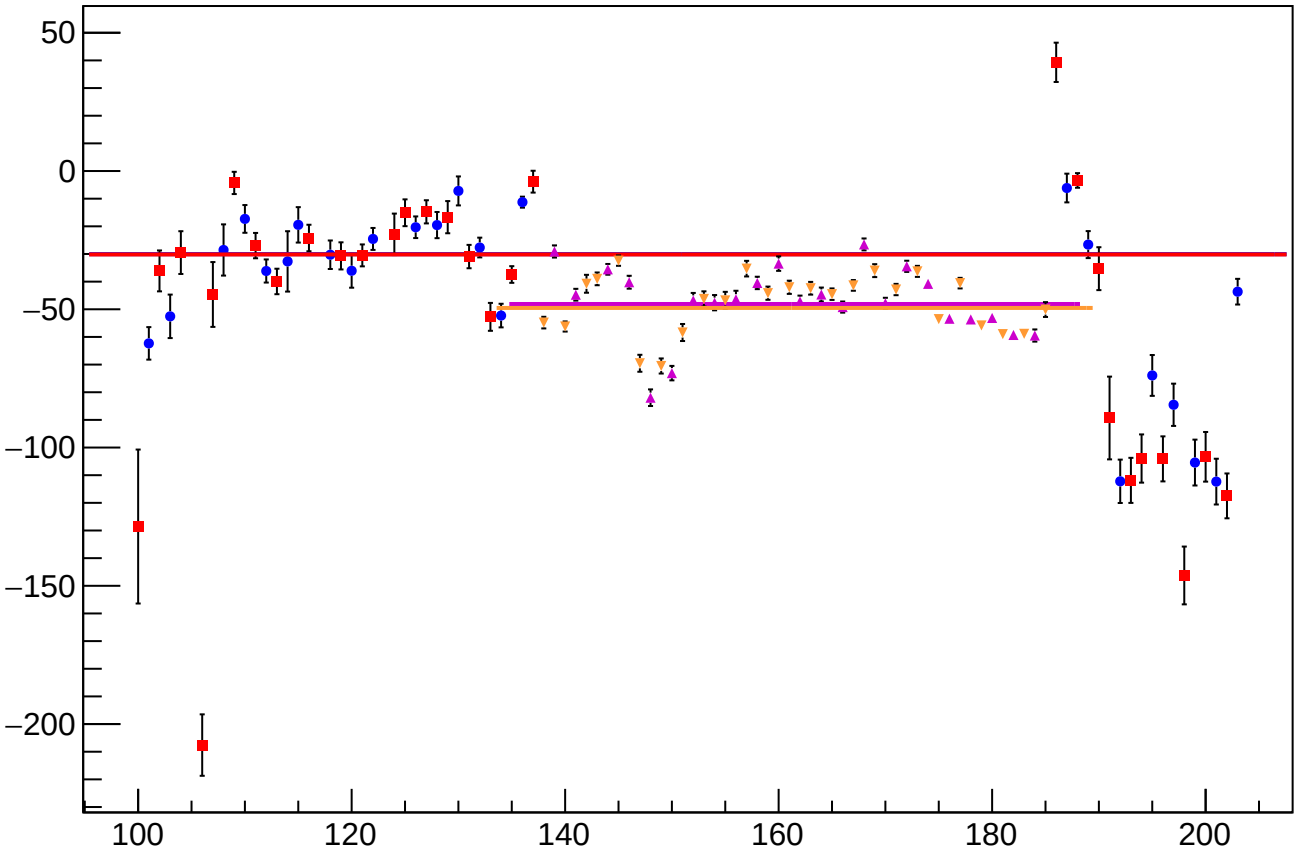
Left: 0.483+/-0.002 χ^2/NDF: 1343.4/47

Right: 0.314+/-0.004 χ^2/NDF: 1558.1/52

In: 0.451+/-0.002 χ^2/NDF:1837.7/46

Out: 0.454+/-0.002 χ^2/NDF:2433.9/53

All: 0.453+/-0.002 χ^2/NDF: 4272.3/100



Right In: -30.067+/-0.974 χ^2/NDF: 607.3/23

Left Out: -49.516+/-0.402 χ^2/NDF:576.3/24

Right Out: -30.175+/-0.982 χ^2/NDF: 1191.9/28

Left In: -48.087+/-0.418 χ^2/NDF:706.2/22

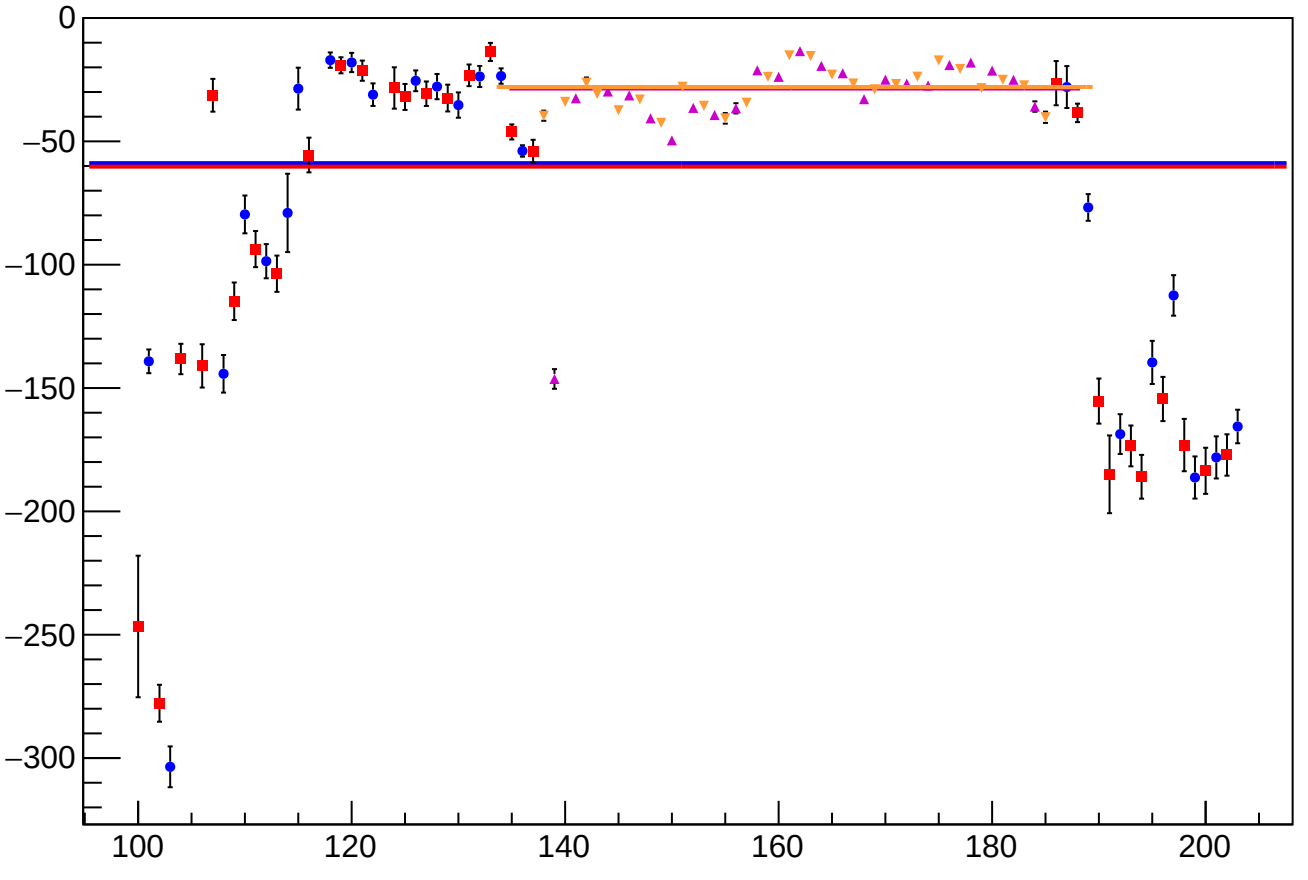
Left: -48.829+/-0.290 χ^2/NDF: 1288.6/47

Right: -30.120+/-0.692 χ^2/NDF: 1799.2/52

In: -45.280+/-0.385 χ^2/NDF:1602.3/46

Out: -46.734+/-0.372 χ^2/NDF:2100.6/53

All: -46.030+/-0.267 χ^2/NDF: 3710.3/100



Right In: -58.833+/-1.018 χ^2/NDF: 2982.5/23

Left Out: -27.957+/-0.321 χ^2/NDF:497.7/24

Right Out: -60.247+/-1.060 χ^2/NDF: 3066.6/28

Left In: -28.592+/-0.334 χ^2/NDF:1480.6/22

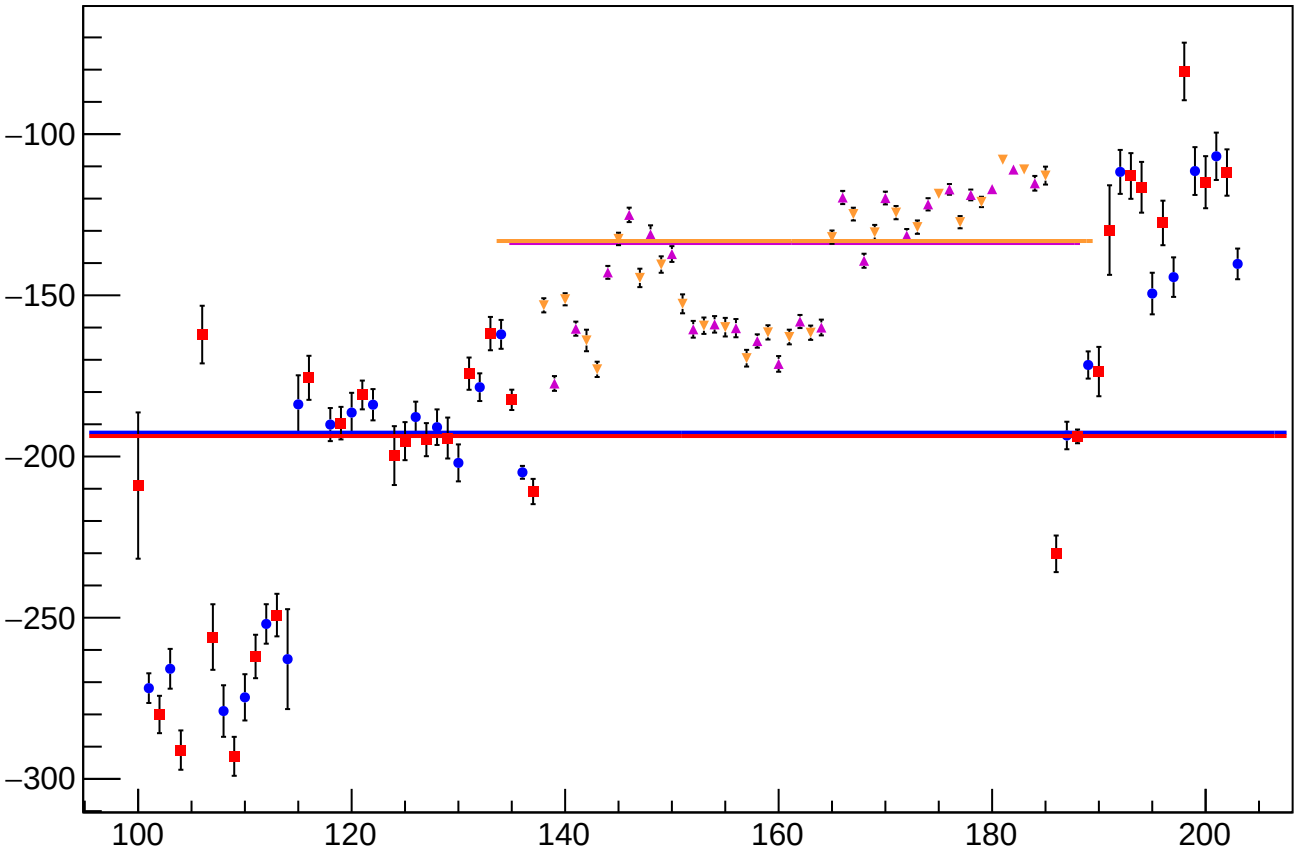
Left: -28.263+/-0.231 χ^2/NDF: 1980.2/47

Right: -59.511+/-0.734 χ^2/NDF: 6050.0/52

In: -31.526+/-0.317 χ^2/NDF:5260.4/46

Out: -30.669+/-0.307 χ^2/NDF:4413.6/53

All: -31.084+/-0.221 χ^2/NDF: 9677.8/100



Right In: -192.599+/-1.008 χ^2/NDF: 1552.3/23

Left Out: -133.155+/-0.403 χ^2/NDF:2530.7/24

Right Out: -193.648+/-1.006 χ^2/NDF: 1844.3/28

Left In: -133.777+/-0.417 χ^2/NDF:2440.7/22

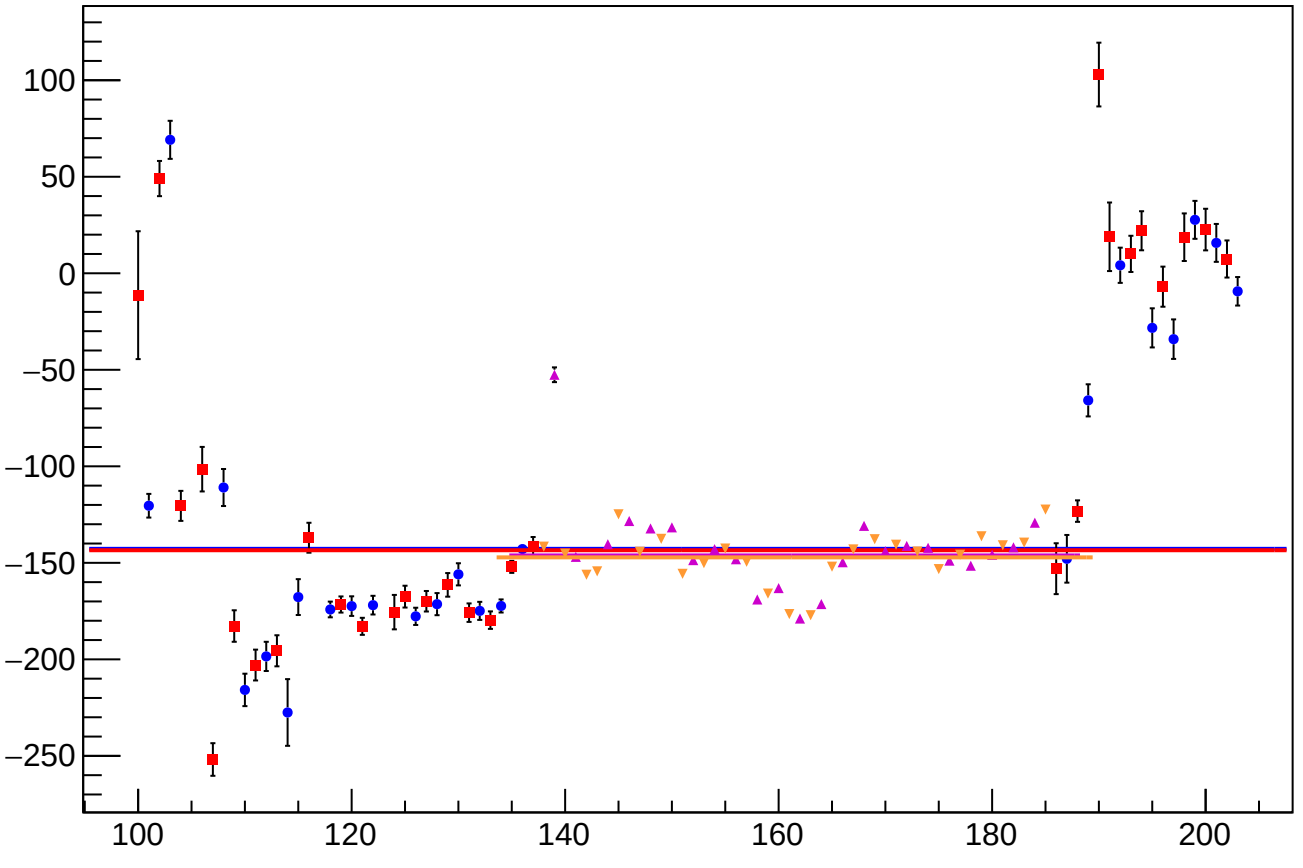
Left: -133.455+/-0.290 χ^2/NDF: 4972.5/47

Right: -193.125+/-0.712 χ^2/NDF: 3397.2/52

In: -142.373+/-0.385 χ^2/NDF:6900.9/46

Out: -141.522+/-0.374 χ^2/NDF:7492.9/53

All: -141.935+/-0.268 χ^2/NDF: 14396.4/100



Right In: -142.753+/-1.149 χ^2/NDF: 2465.8/23

Left Out: -147.167+/-0.358 χ^2/NDF:1245.6/24

Right Out: -143.472+/-1.220 χ^2/NDF: 2762.1/28

Left In: -146.173+/-0.371 χ^2/NDF:1793.8/22

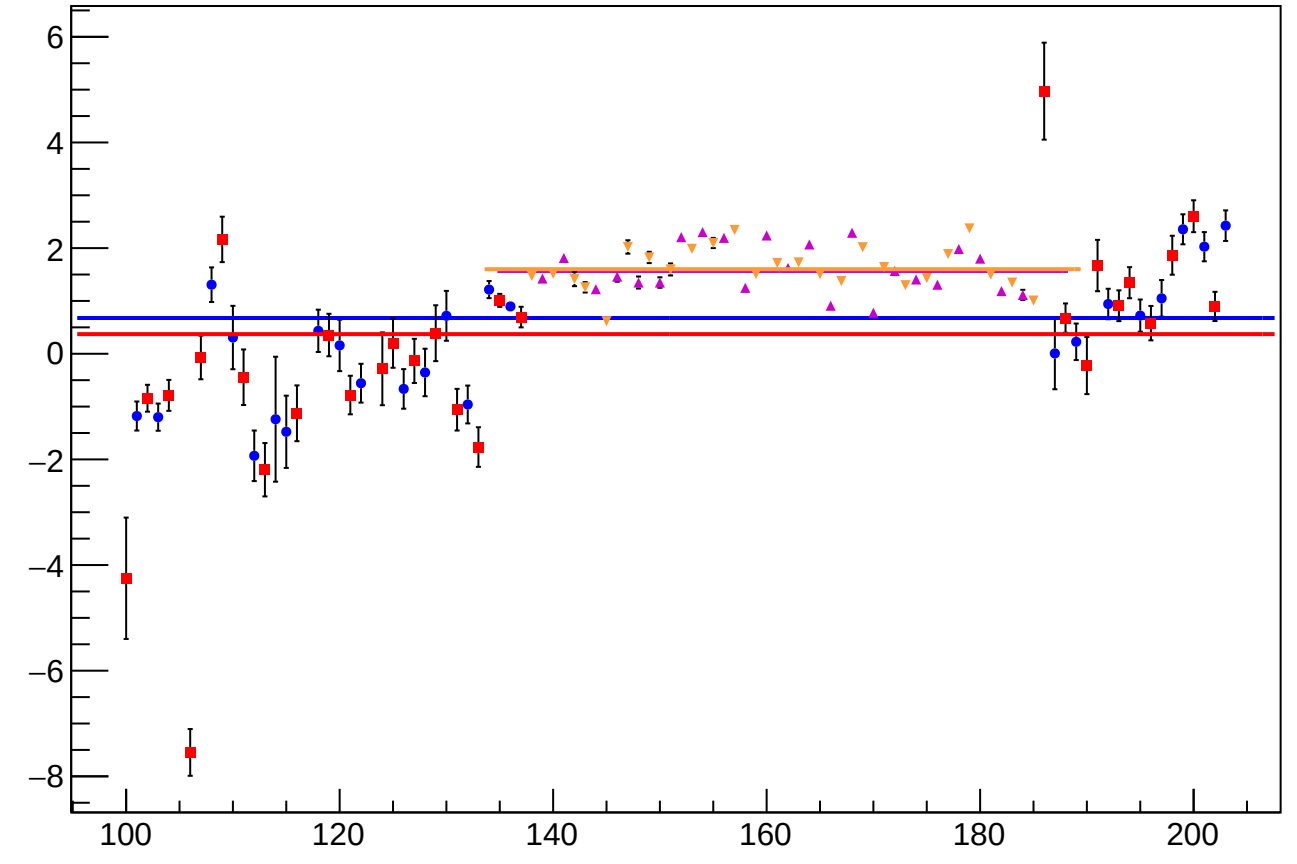
Left: -146.687+/-0.258 χ^2/NDF: 3043.1/47

Right: -143.091+/-0.837 χ^2/NDF: 5228.0/52

In: -145.851+/-0.353 χ^2/NDF:4267.5/46

Out: -146.874+/-0.344 χ^2/NDF:4016.2/53

All: -146.376+/-0.246 χ^2/NDF: 8288.0/100



Right In: 0.677+/-0.056 χ^2/NDF: 313.1/23

Left Out: 1.601+/-0.016 χ^2/NDF:581.8/24

Right Out: 0.372+/-0.060 χ^2/NDF: 641.4/28

Left In: 1.567+/-0.016 χ^2/NDF:735.2/22

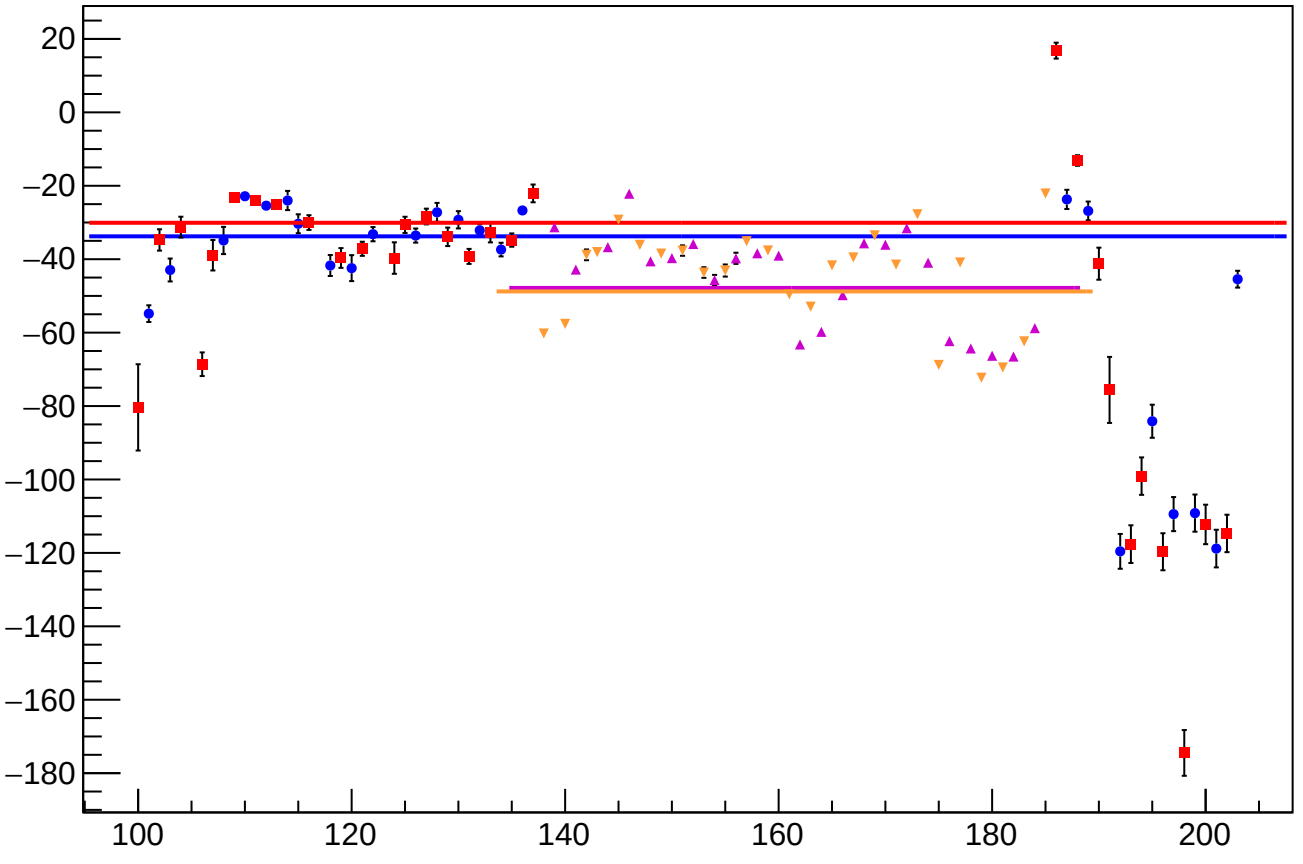
Left: 1.585+/-0.011 χ^2/NDF: 1319.1/47

Right: 0.535+/-0.041 χ^2/NDF: 968.3/52

In: 1.497+/-0.016 χ^2/NDF:1279.8/46

Out: 1.520+/-0.015 χ^2/NDF:1614.3/53

All: 1.509+/-0.011 χ^2/NDF: 2895.2/100



Right In: -33.772+/-0.435 χ^2/NDF: 1570.8/23

Left Out: -48.783+/-0.167 χ^2/NDF:8953.8/24

Right Out: -30.077+/-0.412 χ^2/NDF: 2804.4/28

Left In: -47.822+/-0.170 χ^2/NDF:7223.0/22

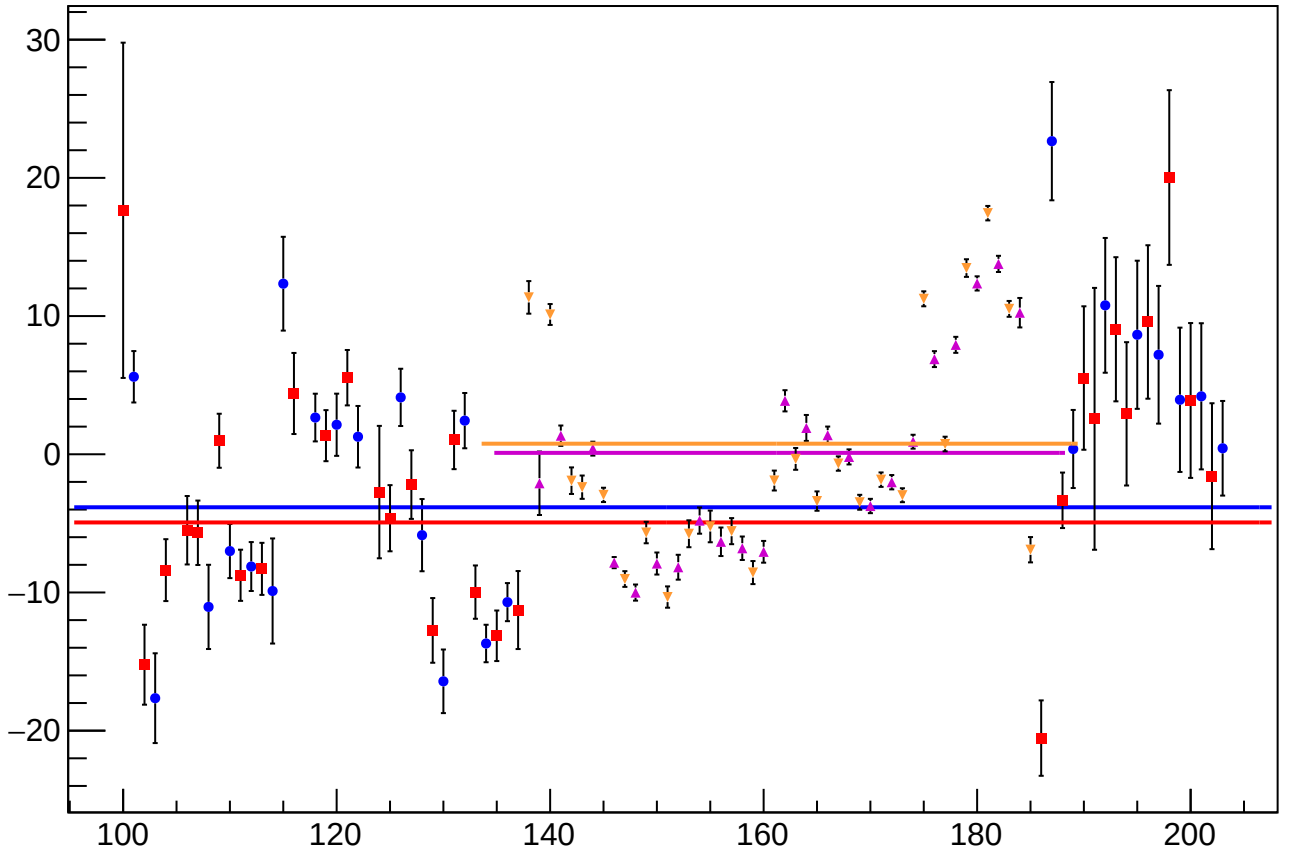
Left: -48.311+/-0.119 χ^2/NDF: 16193.1/47

Right: -31.821+/-0.299 χ^2/NDF: 4413.2/52

In: -45.963+/-0.158 χ^2/NDF:9697.7/46

Out: -46.145+/-0.155 χ^2/NDF:13532.6/53

All: -46.056+/-0.111 χ^2/NDF: 23231.0/100



Right In: -3.836+/-0.482 χ^2/NDF: 308.3/23

Left Out: 0.765+/-0.132 χ^2/NDF:3467.2/24

Right Out: -4.934+/-0.484 χ^2/NDF: 209.6/28

Left In: 0.102+/-0.133 χ^2/NDF:2721.8/22

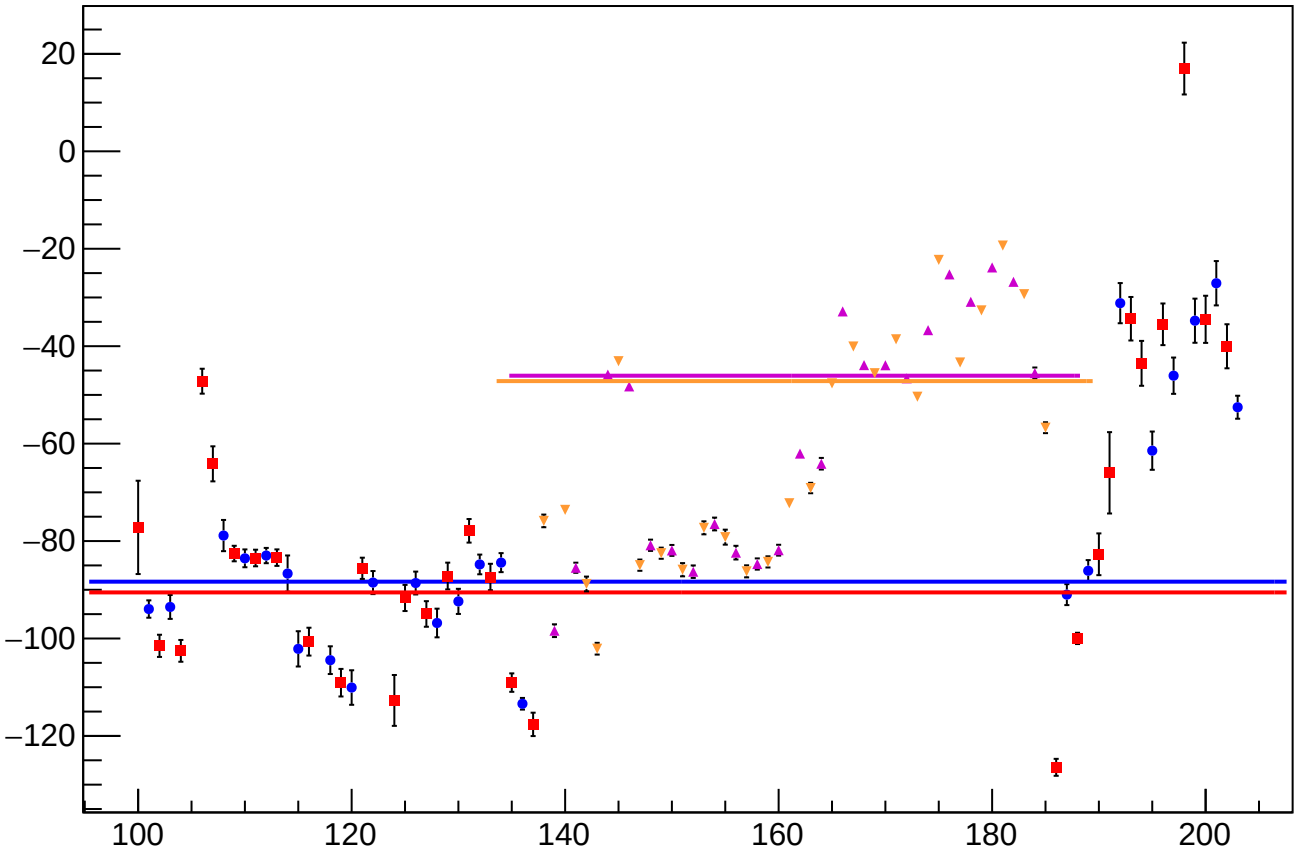
Left: 0.435+/-0.094 χ^2/NDF: 6201.6/47

Right: -4.383+/-0.341 χ^2/NDF: 520.5/52

In: -0.177+/-0.128 χ^2/NDF:3092.1/46

Out: 0.368+/-0.128 χ^2/NDF:3806.1/53

All: 0.097+/-0.090 χ^2/NDF: 6907.3/100



Right In: -88.335+/-0.479 χ^2/NDF: 1504.5/23

Left Out: -47.167+/-0.168 χ^2/NDF:17658.5/24

Right Out: -90.541+/-0.456 χ^2/NDF: 2390.3/28

Left In: -46.058+/-0.170 χ^2/NDF:14769.8/22

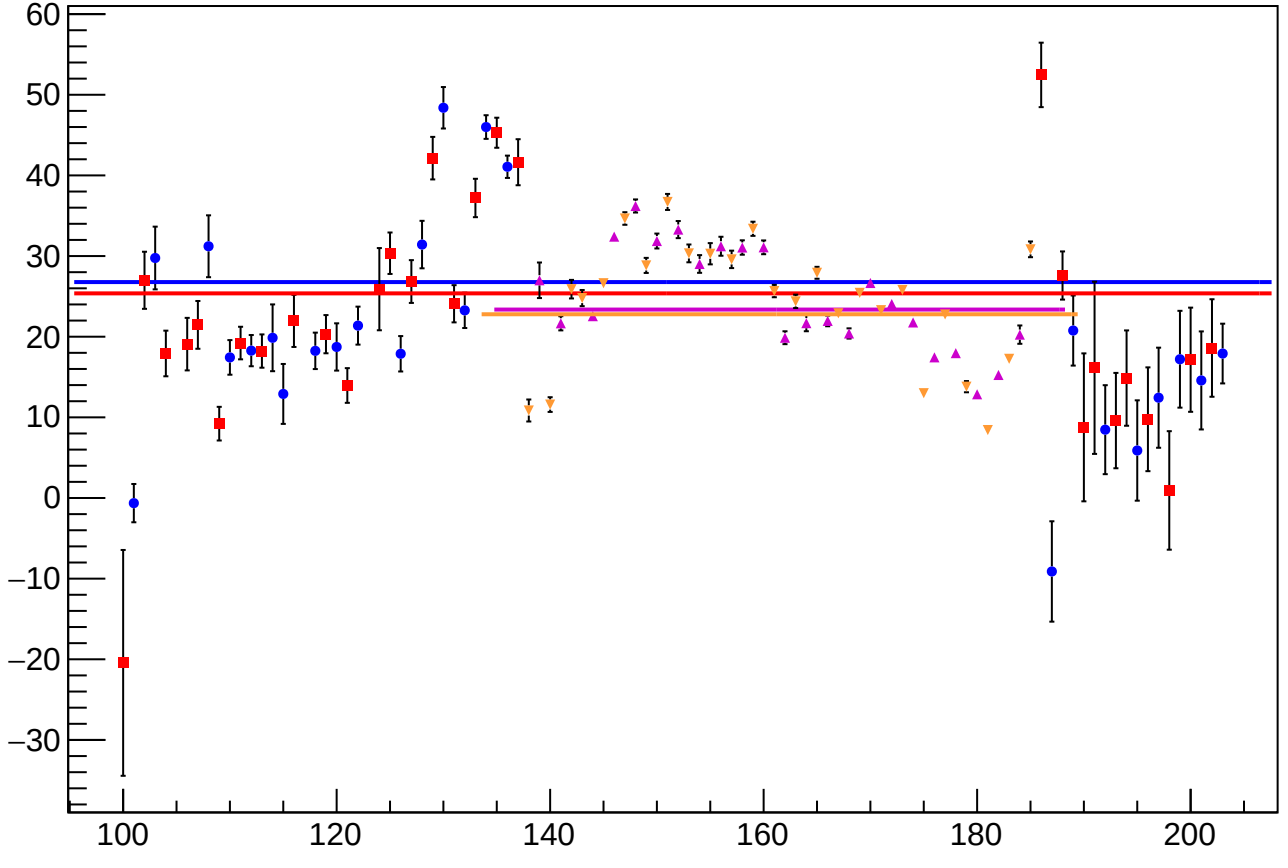
Left: -46.621+/-0.119 χ^2/NDF: 32449.9/47

Right: -89.492+/-0.330 χ^2/NDF: 3906.0/52

In: -50.802+/-0.160 χ^2/NDF:23200.6/46

Out: -52.332+/-0.157 χ^2/NDF:28029.3/53

All: -51.582+/-0.112 χ^2/NDF: 51276.3/100



Right In: 26.774+/-0.544 χ^2/NDF: 663.4/23

Left Out: 22.782+/-0.147 χ^2/NDF:2412.9/24

Right Out: 25.373+/-0.558 χ^2/NDF: 435.3/28

Left In: 23.366+/-0.149 χ^2/NDF:1785.4/22

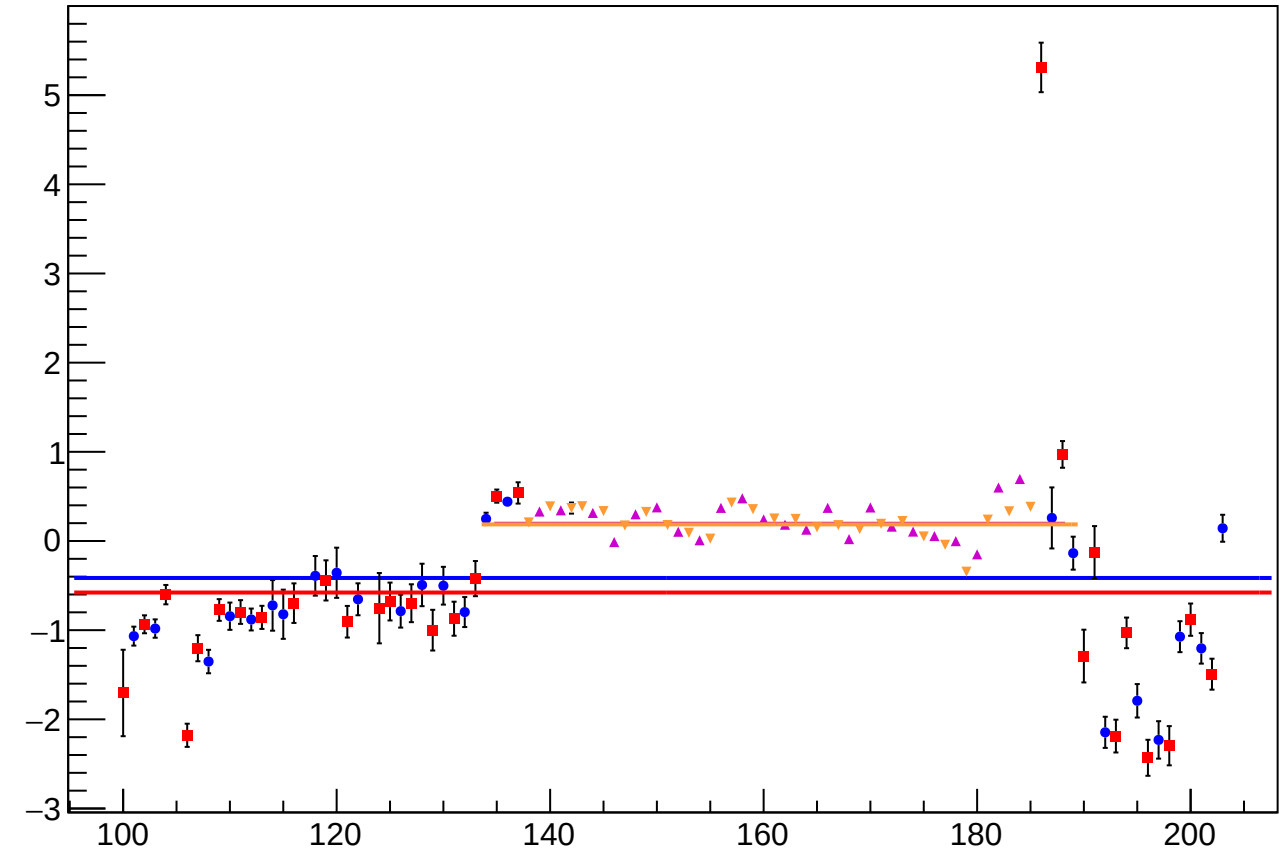
Left: 23.071+/-0.105 χ^2/NDF: 4206.1/47

Right: 26.091+/-0.389 χ^2/NDF: 1101.9/52

In: 23.603+/-0.144 χ^2/NDF:2485.3/46

Out: 22.951+/-0.142 χ^2/NDF:2868.4/53

All: 23.274+/-0.101 χ^2/NDF: 5364.1/100



Right In: -0.415+/-0.028 χ^2/NDF: 758.5/23

Left Out: 0.186+/-0.007 χ^2/NDF:645.7/24

Right Out: -0.578+/-0.029 χ^2/NDF: 1337.0/28

Left In: 0.193+/-0.007 χ^2/NDF:938.2/22

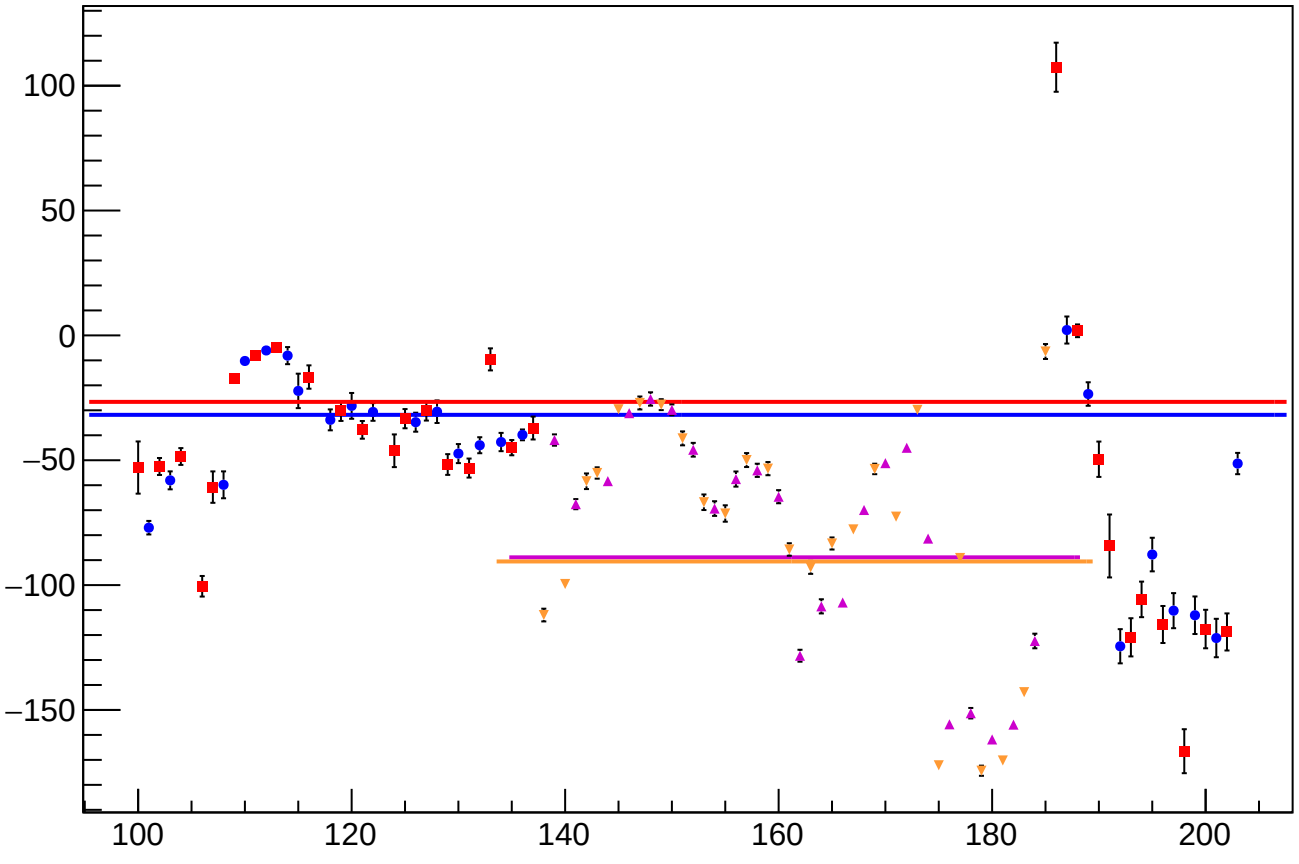
Left: 0.190+/-0.005 χ^2/NDF: 1584.4/47

Right: -0.492+/-0.020 χ^2/NDF: 2111.9/52

In: 0.160+/-0.006 χ^2/NDF:2150.1/46

Out: 0.149+/-0.006 χ^2/NDF:2637.9/53

All: 0.155+/-0.005 χ^2/NDF: 4789.4/100



Right In: -31.815+/-0.687 χ^2/NDF: 1611.7/23

Left Out: -90.534+/-0.421 χ^2/NDF:15358.6/24

Right Out: -26.622+/-0.624 χ^2/NDF: 2307.6/28

Left In: -88.888+/-0.435 χ^2/NDF:11815.7/22

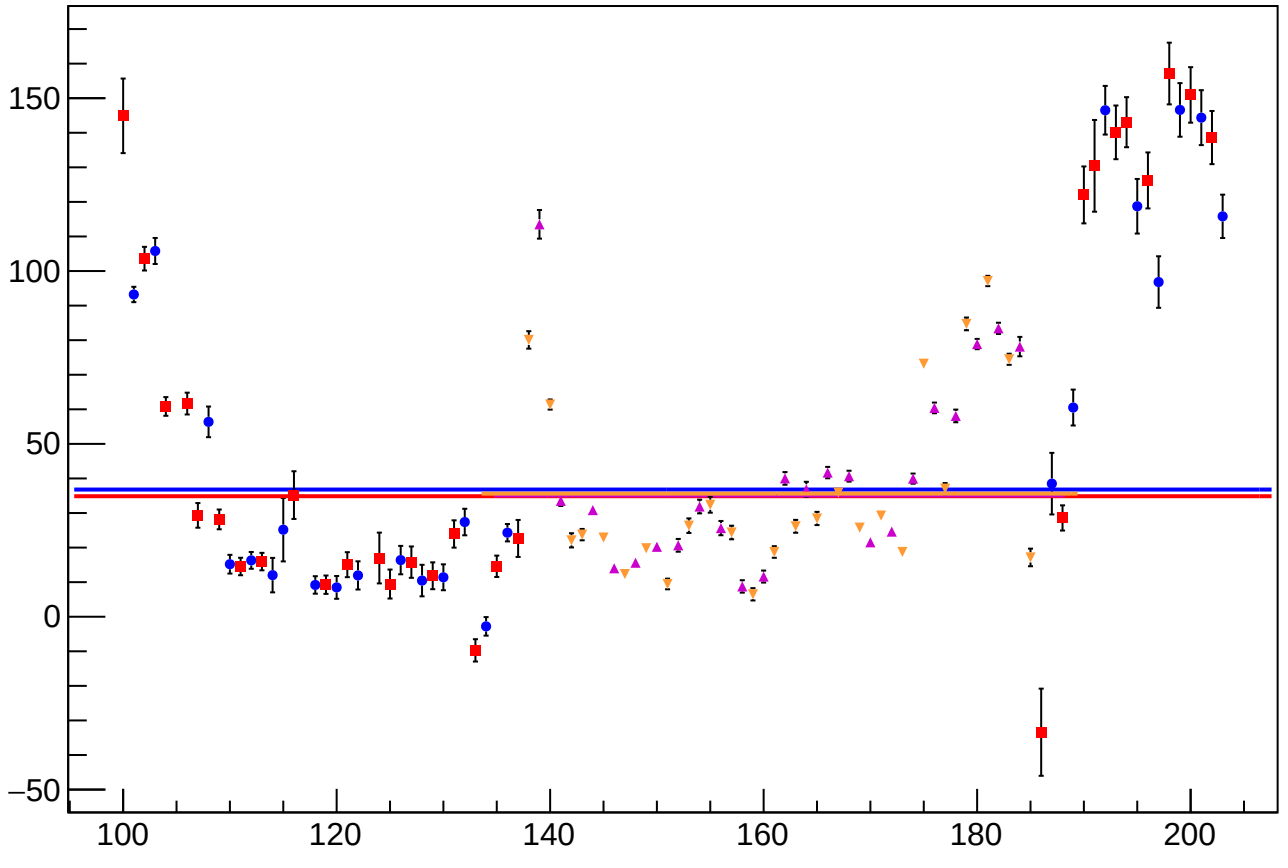
Left: -89.736+/-0.302 χ^2/NDF: 27181.7/47

Right: -28.971+/-0.462 χ^2/NDF: 3950.7/52

In: -72.566+/-0.367 χ^2/NDF:18361.4/46

Out: -70.519+/-0.349 χ^2/NDF:24873.7/53

All: -71.491+/-0.253 χ^2/NDF: 43251.4/100



Right In: 36.793+/-0.768 χ^2/NDF: 2724.2/23

Left Out: 35.612+/-0.326 χ^2/NDF:5973.0/24

Right Out: 34.862+/-0.751 χ^2/NDF: 2574.3/28

Left In: 35.112+/-0.336 χ^2/NDF:4144.4/22

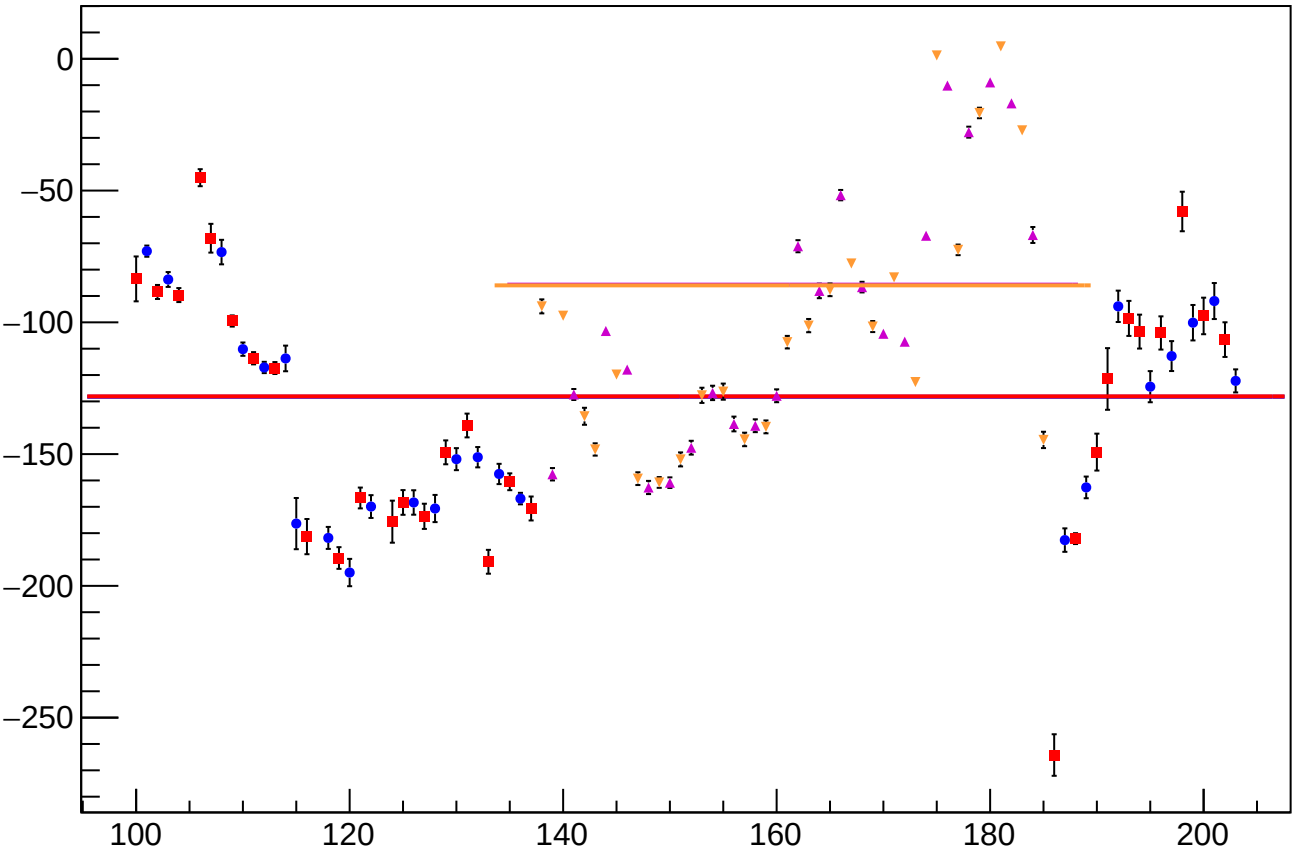
Left: 35.370+/-0.234 χ^2/NDF: 10118.6/47

Right: 35.806+/-0.537 χ^2/NDF: 5301.7/52

In: 35.382+/-0.308 χ^2/NDF:6872.6/46

Out: 35.493+/-0.299 χ^2/NDF:8548.2/53

All: 35.439+/-0.215 χ^2/NDF: 15420.9/100



Right In: -128.228+/-0.757 χ^2/NDF: 2487.5/23

Left Out: -85.969+/-0.421 χ^2/NDF:16232.5/24

Right Out: -128.096+/-0.710 χ^2/NDF: 3633.5/28

Left In: -85.705+/-0.432 χ^2/NDF:13758.7/22

Left: -85.841+/-0.302 χ^2/NDF: 29991.4/47

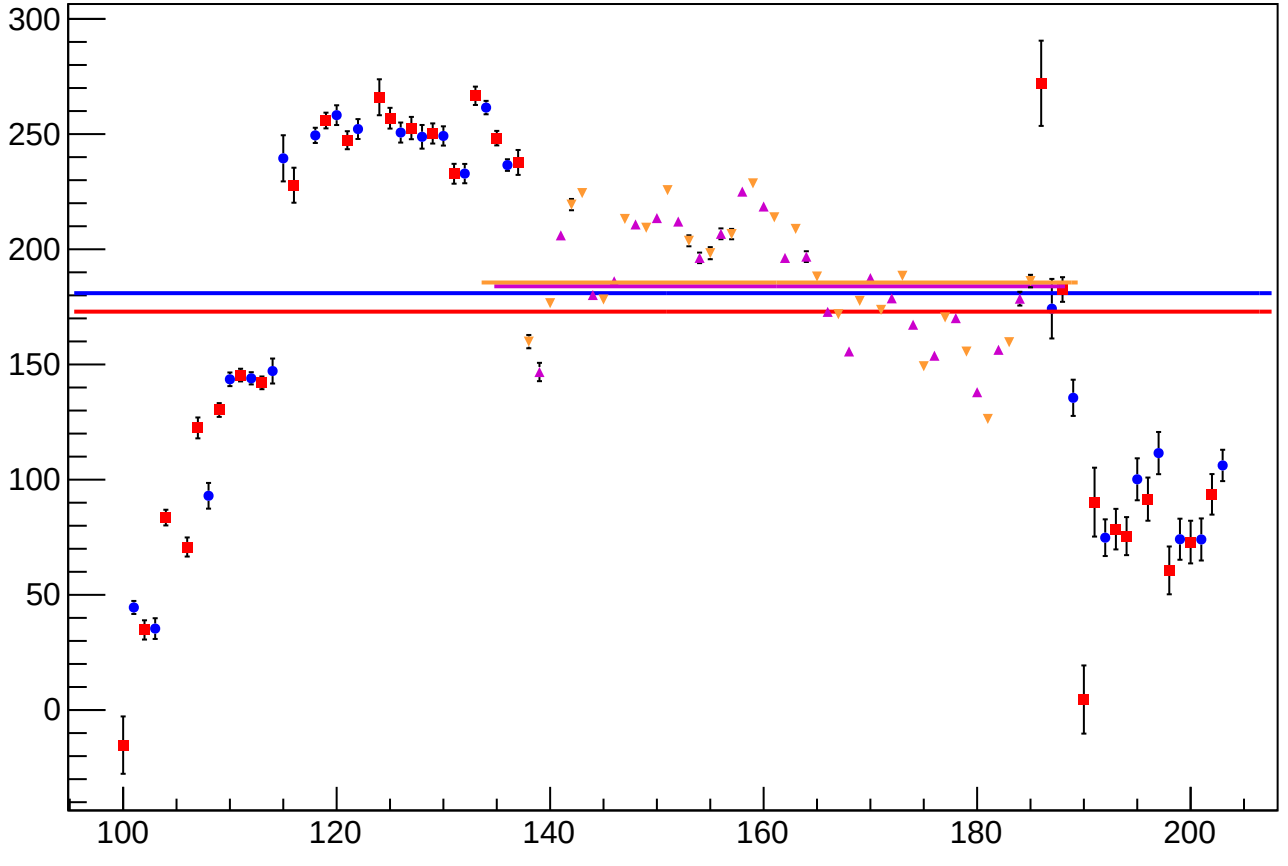
Right: -128.158+/-0.518 χ^2/NDF: 6121.0/52

In: -96.178+/-0.375 χ^2/NDF:18627.2/46

Out: -96.922+/-0.362 χ^2/NDF:22471.6/53

All: -96.563+/-0.261 χ^2/NDF: 41100.8/100

reg_asym_sam4_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 180.951+/-0.879 χ^2/NDF: 7928.1/23

Left Out: 185.583+/-0.367 χ^2/NDF:5354.7/24

Right Out: 172.932+/-0.866 χ^2/NDF: 7549.9/28

Left In: 183.940+/-0.378 χ^2/NDF:3873.5/22

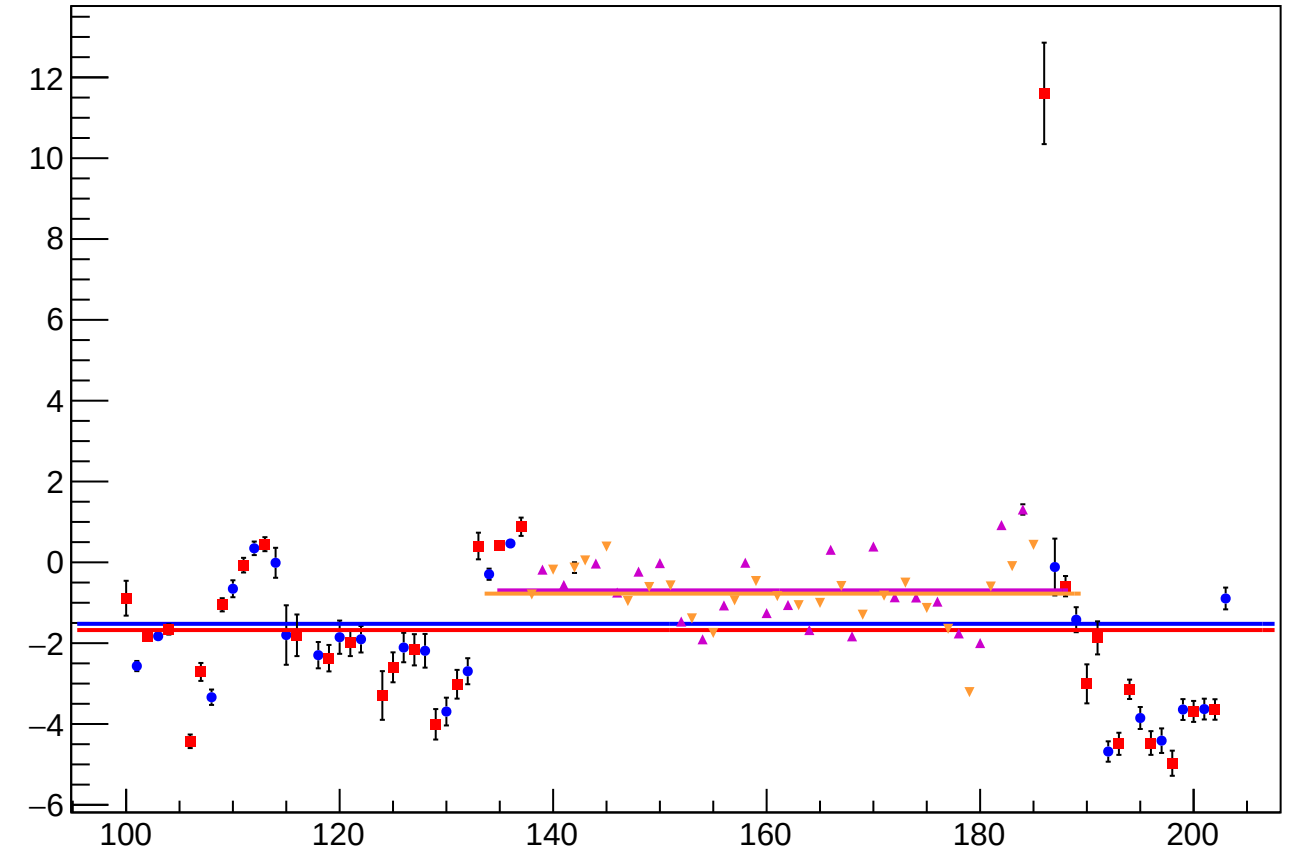
Left: 184.786+/-0.263 χ^2/NDF: 9238.0/47

Right: 176.884+/-0.617 χ^2/NDF: 15520.1/52

In: 183.474+/-0.347 χ^2/NDF:11811.3/46

Out: 183.661+/-0.338 χ^2/NDF:13085.4/53

All: 183.570+/-0.242 χ^2/NDF: 24896.9/100



Right In: -1.521+/-0.043 χ^2/NDF: 1314.5/23

Left Out: -0.774+/-0.016 χ^2/NDF:1822.9/24

Right Out: -1.676+/-0.042 χ^2/NDF: 1669.1/28

Left In: -0.694+/-0.017 χ^2/NDF:2565.3/22

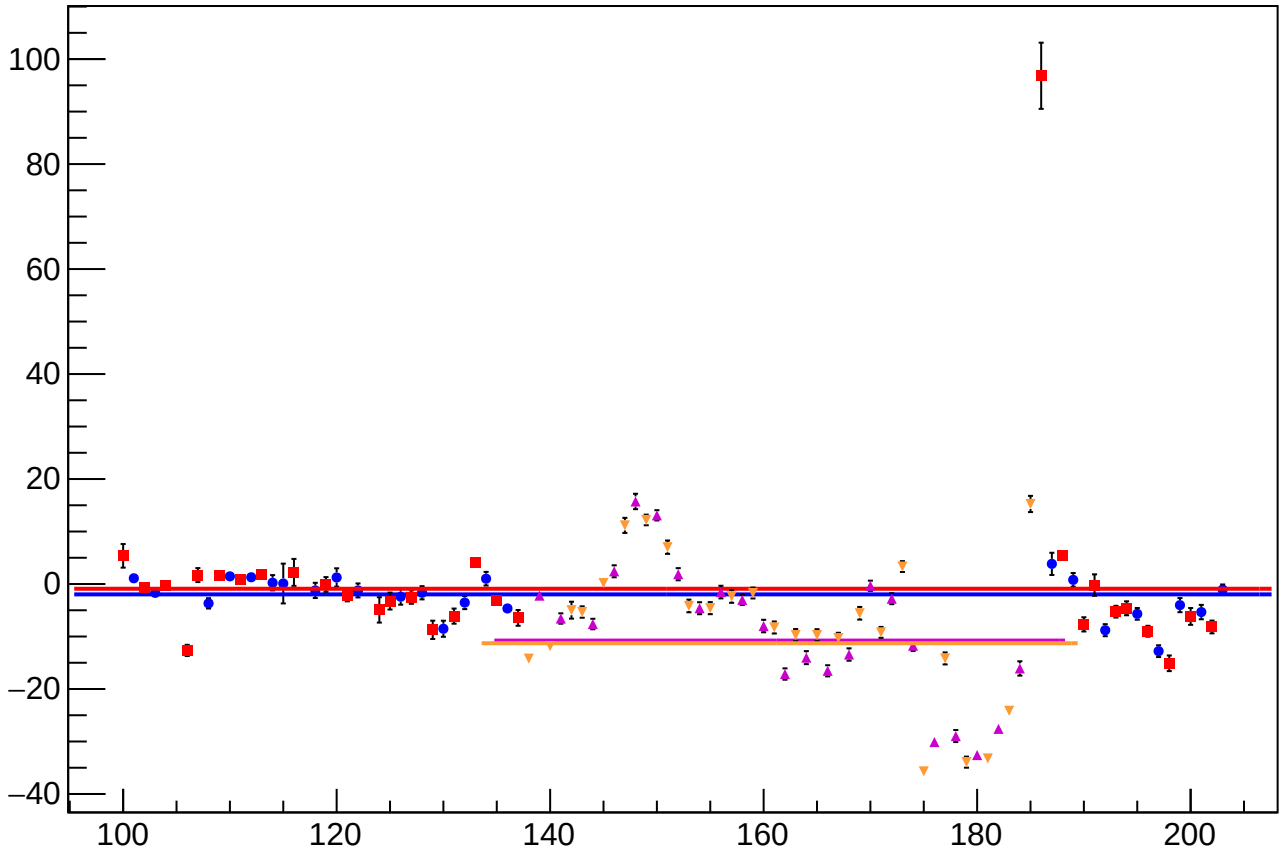
Left: -0.735+/-0.012 χ^2/NDF: 4399.9/47

Right: -1.600+/-0.030 χ^2/NDF: 2990.1/52

In: -0.801+/-0.016 χ^2/NDF:4195.9/46

Out: -0.891+/-0.015 χ^2/NDF:3883.8/53

All: -0.847+/-0.011 χ^2/NDF: 8096.6/100



Right In: -1.974+/-0.219 χ^2/NDF: 279.4/23

Left Out: -11.283+/-0.208 χ^2/NDF:4500.3/24

Right Out: -0.903+/-0.192 χ^2/NDF: 881.4/28

Left In: -10.776+/-0.213 χ^2/NDF:3699.2/22

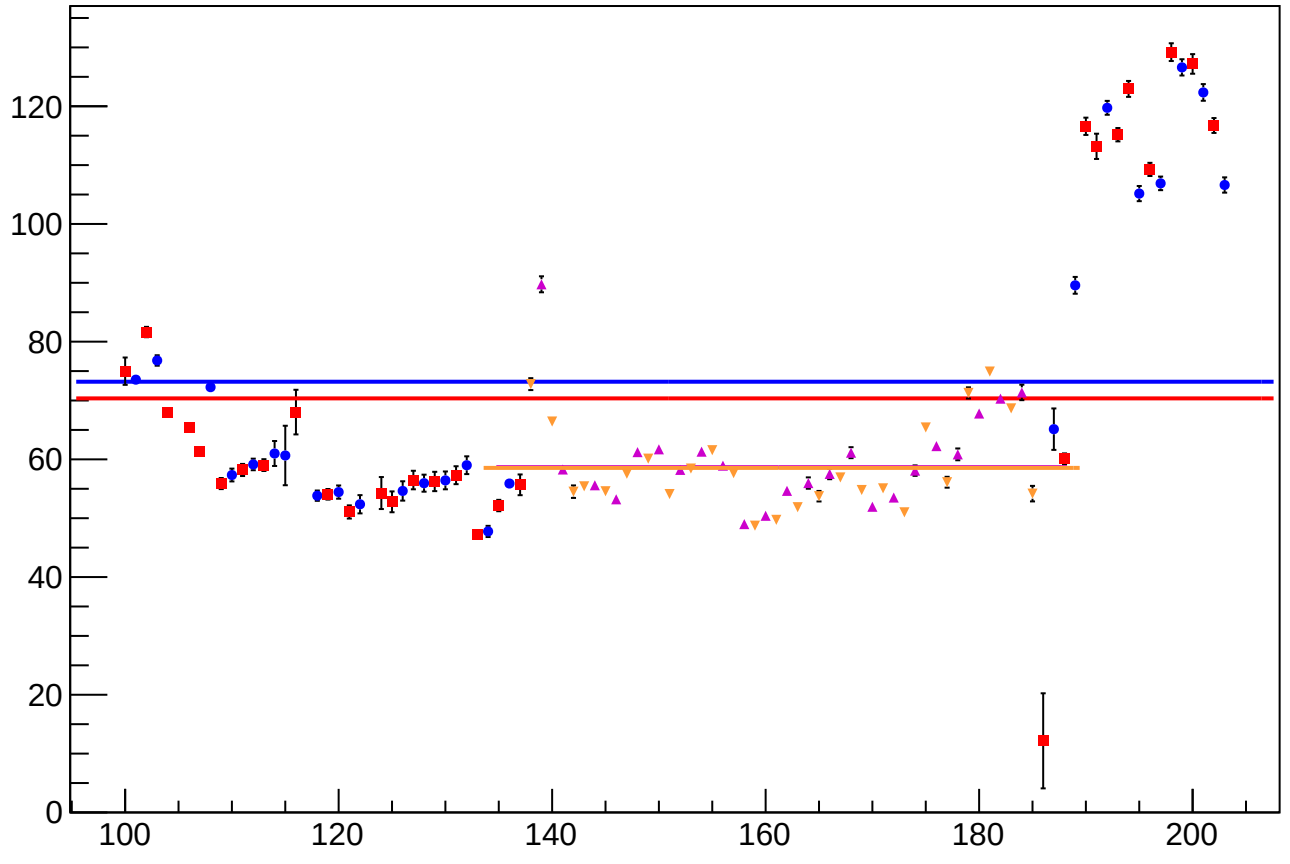
Left: -11.036+/-0.149 χ^2/NDF: 8202.4/47

Right: -1.368+/-0.144 χ^2/NDF: 1174.4/52

In: -6.485+/-0.153 χ^2/NDF:4808.3/46

Out: -5.669+/-0.141 χ^2/NDF:6729.0/53

All: -6.044+/-0.104 χ^2/NDF: 11552.6/100



Right In: 73.192+/-0.233 χ^2/NDF: 9570.5/23

Left Out: 58.550+/-0.161 χ^2/NDF:1902.5/24

Right Out: 70.359+/-0.212 χ^2/NDF: 13371.9/28

Left In: 58.679+/-0.168 χ^2/NDF:1613.4/22

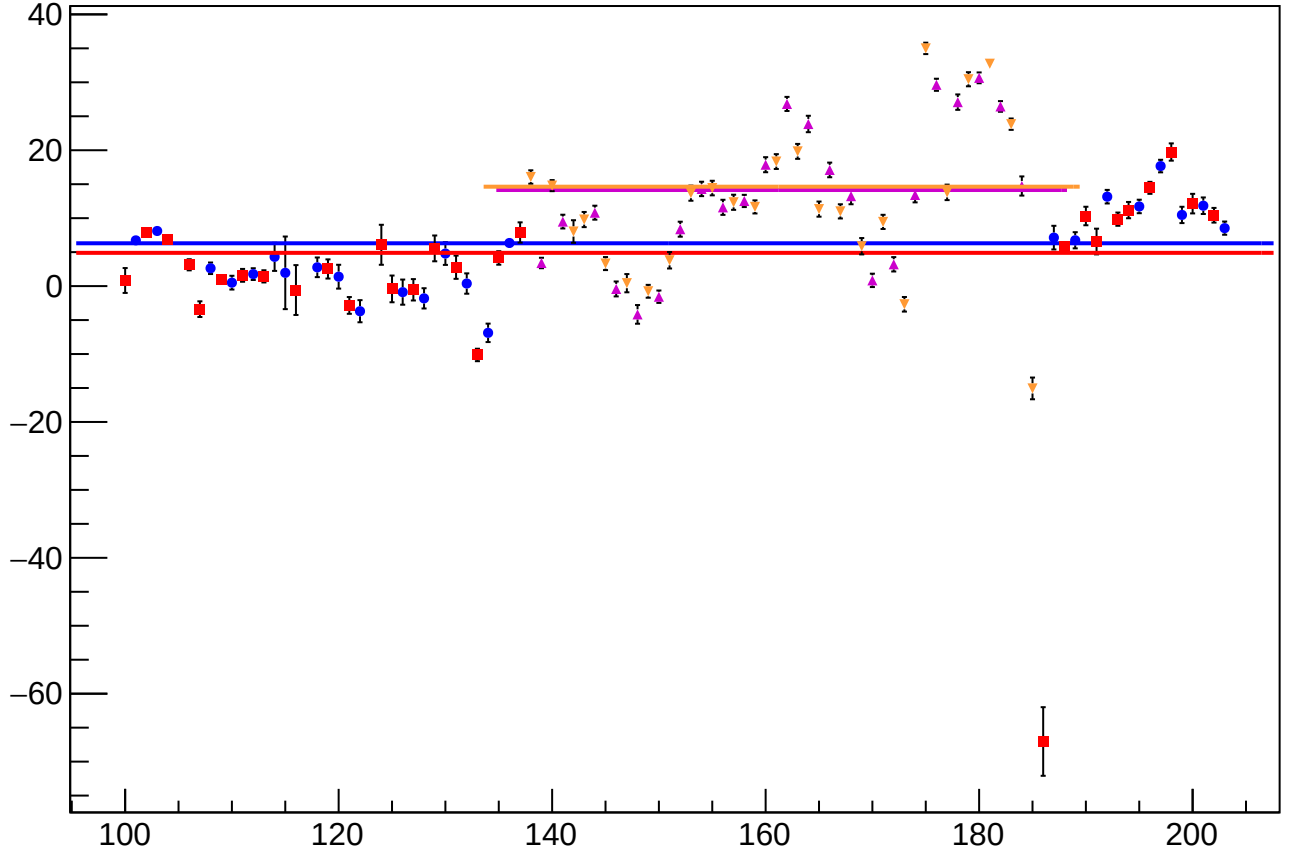
Left: 58.612+/-0.116 χ^2/NDF: 3516.3/47

Right: 71.645+/-0.157 χ^2/NDF: 23023.4/52

In: 63.664+/-0.136 χ^2/NDF:13736.1/46

Out: 62.871+/-0.128 χ^2/NDF:17239.0/53

All: 63.243+/-0.093 χ^2/NDF: 30993.0/100



Right In: 6.304+/-0.219 χ^2/NDF: 561.7/23

Left Out: 14.634+/-0.207 χ^2/NDF:2962.1/24

Right Out: 4.895+/-0.195 χ^2/NDF: 1068.1/28

Left In: 14.146+/-0.211 χ^2/NDF:2541.2/22

Left: 14.395+/-0.148 χ^2/NDF: 5506.0/47

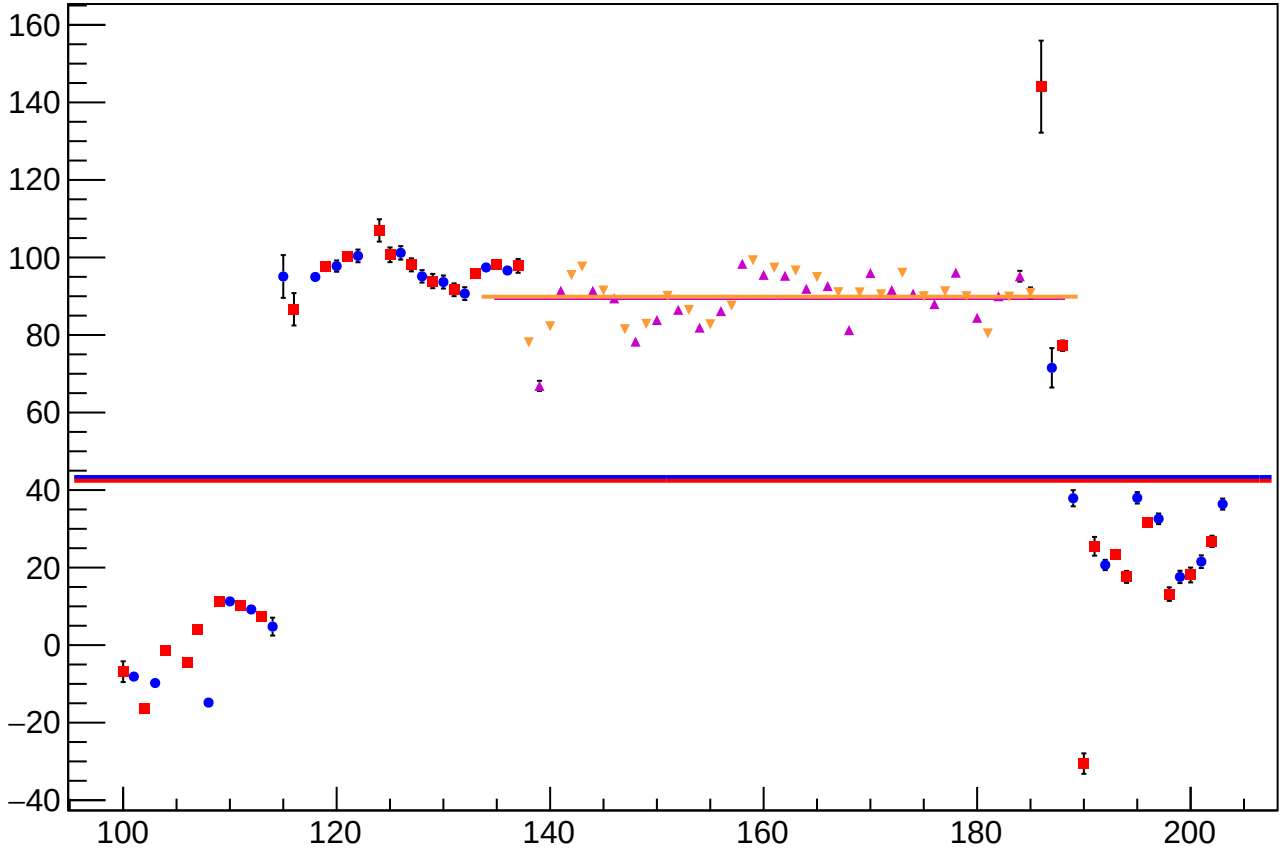
Right: 5.518+/-0.146 χ^2/NDF: 1652.9/52

In: 10.366+/-0.152 χ^2/NDF:3767.0/46

Out: 9.482+/-0.142 χ^2/NDF:5204.7/53

All: 9.893+/-0.104 χ^2/NDF: 8989.8/100

reg_asym_sam5_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 43.363+/-0.271 χ^2/NDF: 27930.9/23

Left Out: 89.875+/-0.181 χ^2/NDF:1065.4/24

Right Out: 42.404+/-0.250 χ^2/NDF: 31724.5/28

Left In: 89.541+/-0.188 χ^2/NDF:1095.3/22

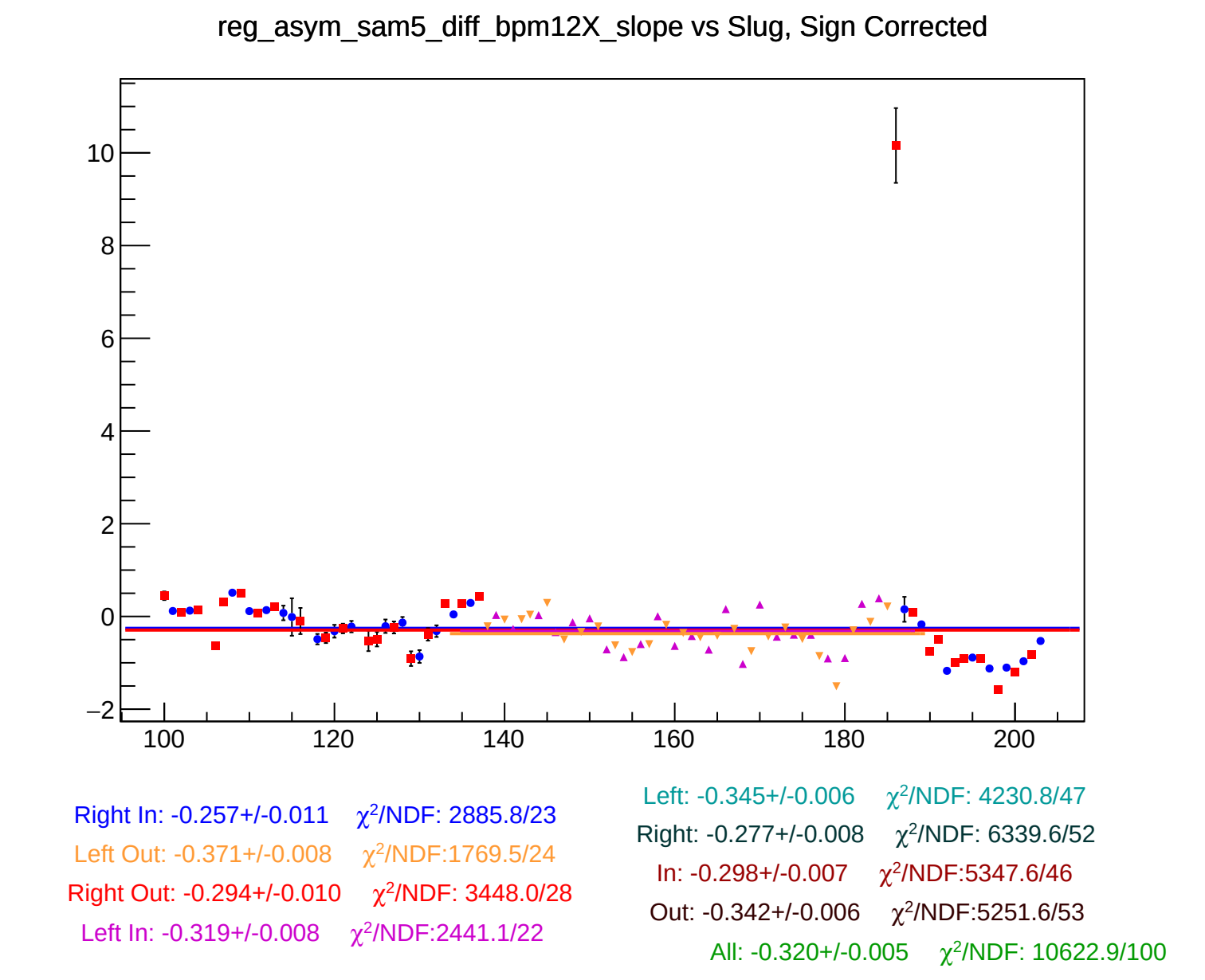
Left: 89.714+/-0.130 χ^2/NDF: 2162.3/47

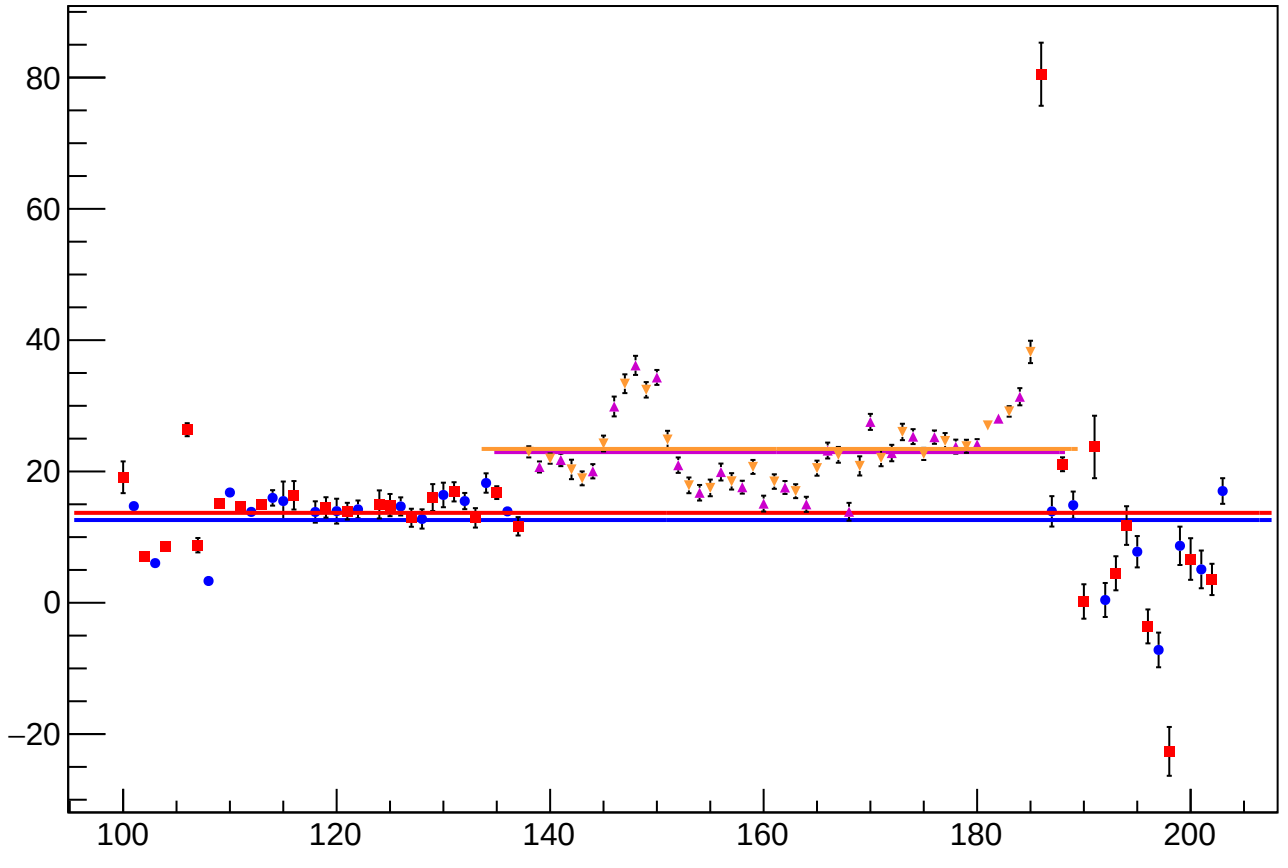
Right: 42.846+/-0.184 χ^2/NDF: 59662.2/52

In: 74.583+/-0.154 χ^2/NDF:48666.7/46

Out: 73.589+/-0.147 χ^2/NDF:56382.4/53

All: 74.061+/-0.106 χ^2/NDF: 105070.9/100


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: -0.257+/-0.011 χ²/NDF: 2885.8/23
Left Out: -0.371+/-0.008 χ²/NDF:1769.5/24
Right Out: -0.294+/-0.010 χ²/NDF: 3448.0/28
Left In: -0.319+/-0.008 χ²/NDF:2441.1/22
Left: -0.345+/-0.006 χ²/NDF: 4230.8/47
Right: -0.277+/-0.008 χ²/NDF: 6339.6/52
In: -0.298+/-0.007 χ²/NDF:5347.6/46
Out: -0.342+/-0.006 χ²/NDF:5251.6/53
All: -0.320+/-0.005 χ²/NDF: 10622.9/100



Right In: 12.601+/-0.208 χ^2/NDF: 486.8/23

Left Out: 23.431+/-0.216 χ^2/NDF:427.8/24

Right Out: 13.695+/-0.197 χ^2/NDF: 853.4/28

Left In: 22.949+/-0.225 χ^2/NDF:565.2/22

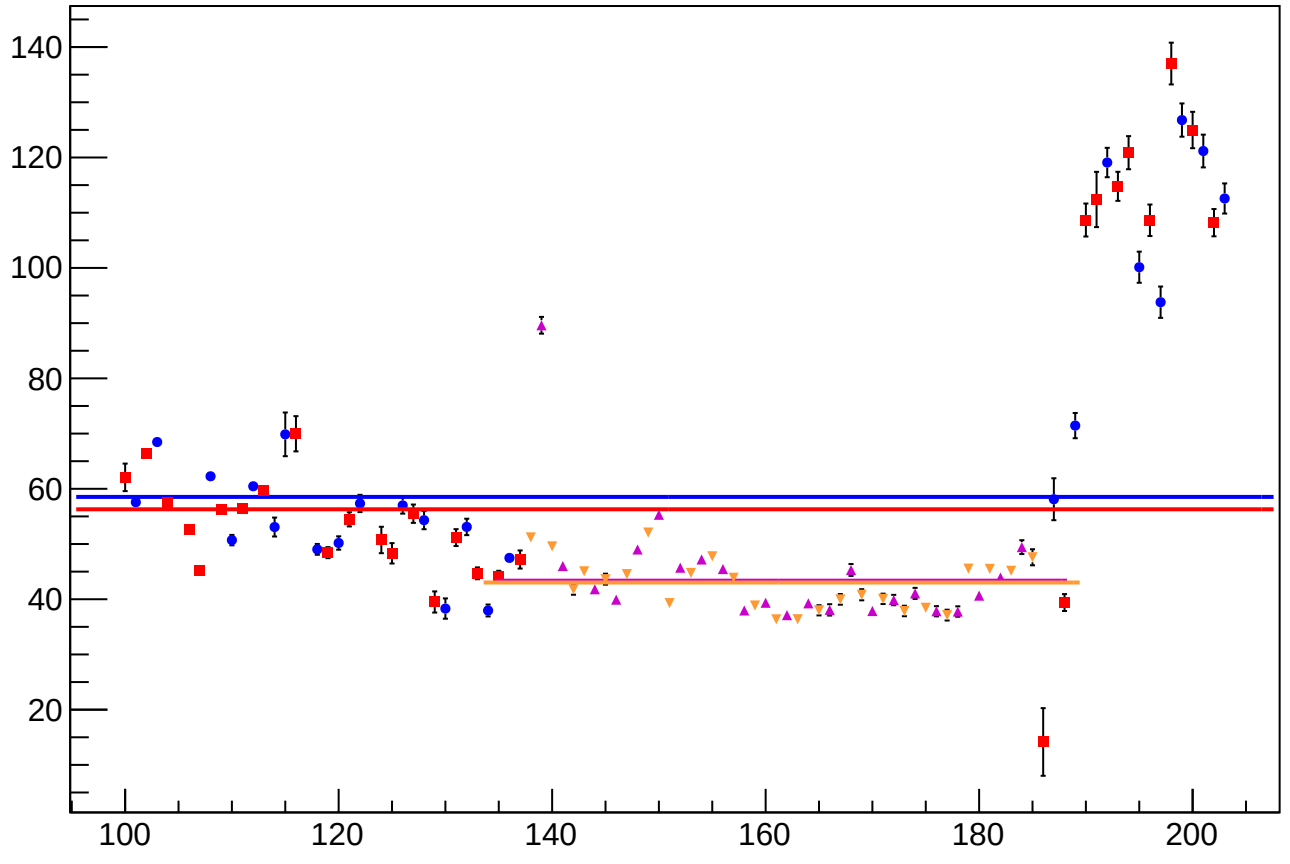
Left: 23.201+/-0.156 χ^2/NDF: 995.5/47

Right: 13.178+/-0.143 χ^2/NDF: 1354.8/52

In: 17.350+/-0.153 χ^2/NDF:2192.7/46

Out: 18.108+/-0.145 χ^2/NDF:2393.6/53

All: 17.748+/-0.105 χ^2/NDF: 4599.2/100



Right In: 58.532+/-0.217 χ^2/NDF: 3452.3/23

Left Out: 43.029+/-0.167 χ^2/NDF:780.7/24

Right Out: 56.289+/-0.217 χ^2/NDF: 4324.4/28

Left In: 43.361+/-0.177 χ^2/NDF:1683.3/22

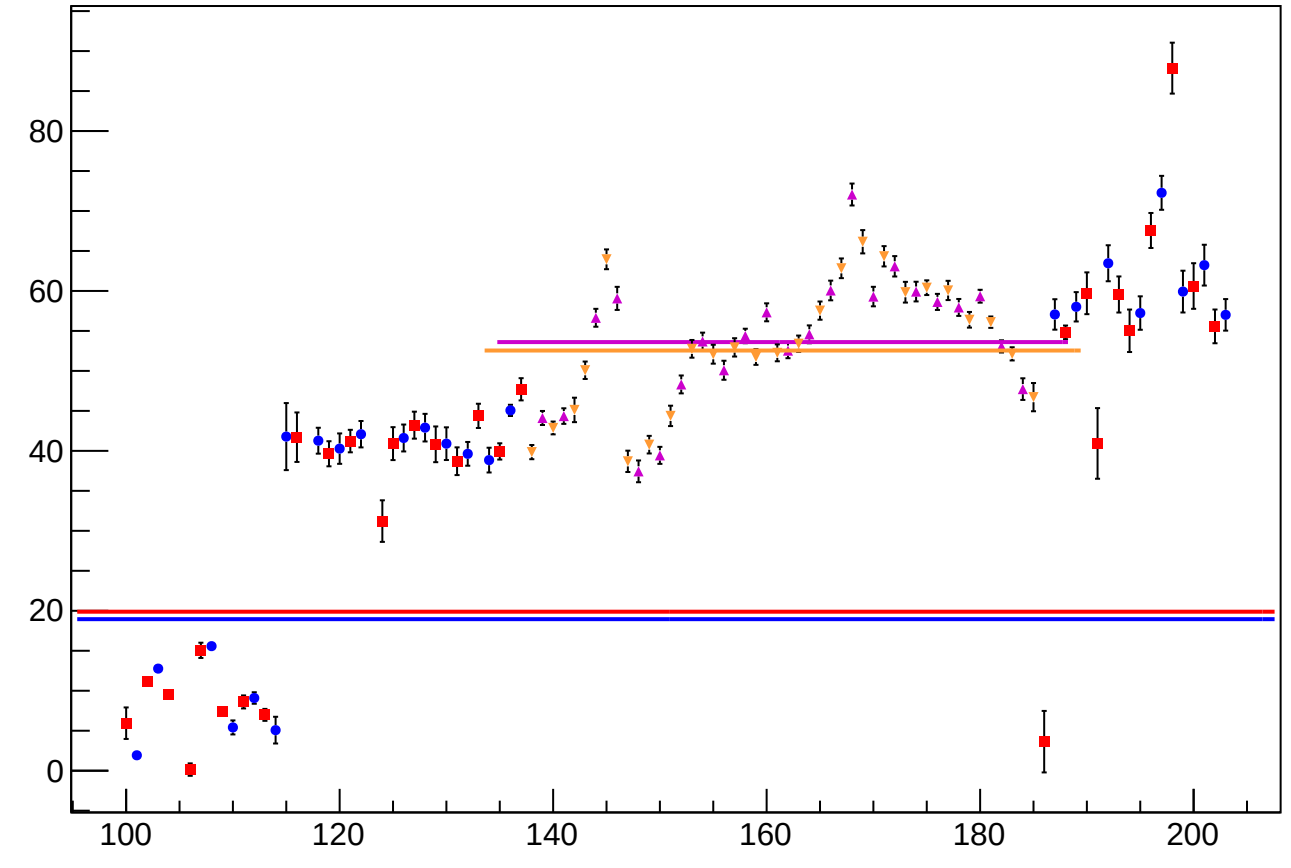
Left: 43.186+/-0.122 χ^2/NDF: 2465.8/47

Right: 57.415+/-0.153 χ^2/NDF: 7830.1/52

In: 49.441+/-0.137 χ^2/NDF:8077.6/46

Out: 47.959+/-0.133 χ^2/NDF:7440.9/53

All: 48.675+/-0.095 χ^2/NDF: 15578.9/100



Right In: 18.952+/-0.206 χ^2/NDF: 8556.7/23

Left Out: 52.550+/-0.215 χ^2/NDF:1186.2/24

Right Out: 19.887+/-0.206 χ^2/NDF: 8164.6/28

Left In: 53.605+/-0.223 χ^2/NDF:1015.9/22

Left: 53.057+/-0.155 χ^2/NDF: 2213.7/47

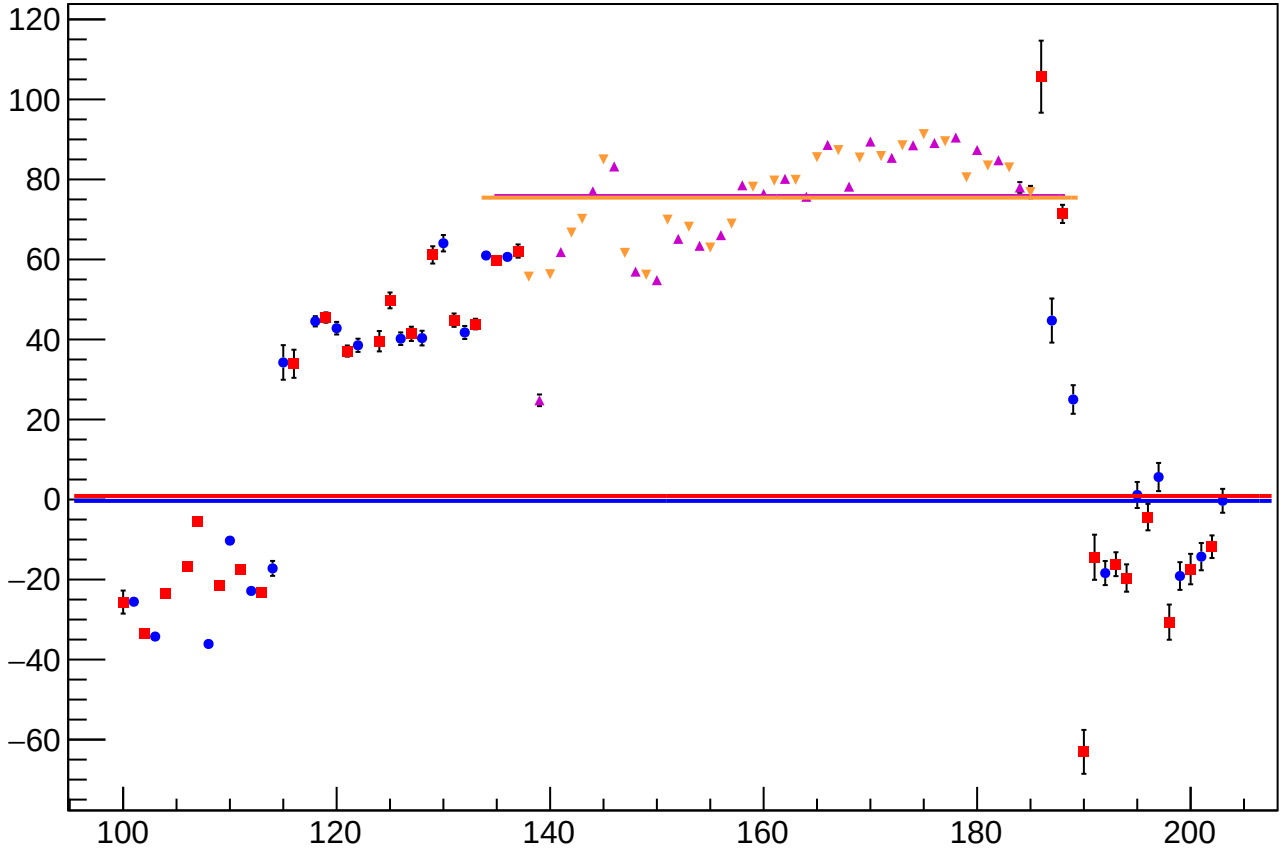
Right: 19.418+/-0.146 χ^2/NDF: 16731.6/52

In: 34.897+/-0.151 χ^2/NDF:22620.9/46

Out: 35.591+/-0.149 χ^2/NDF:21381.0/53

All: 35.249+/-0.106 χ^2/NDF: 44012.6/100

reg_asym_sam6_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -0.342+/-0.256 χ^2/NDF: 21233.1/23

Left Out: 75.448+/-0.188 χ^2/NDF:3469.1/24

Right Out: 0.891+/-0.257 χ^2/NDF: 17437.4/28

Left In: 75.844+/-0.197 χ^2/NDF:4265.6/22

Left: 75.637+/-0.136 χ^2/NDF: 7736.7/47

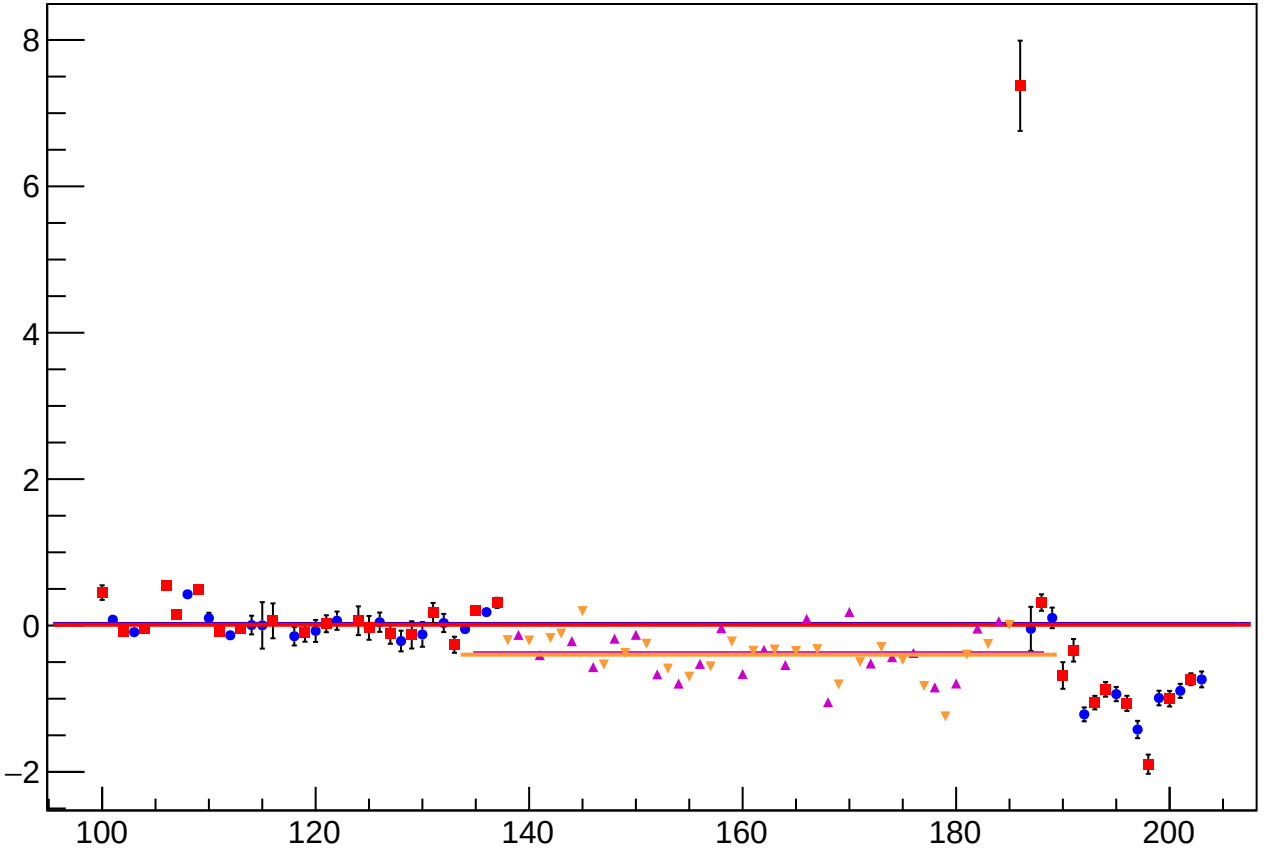
Right: 0.272+/-0.181 χ^2/NDF: 38682.1/52

In: 47.398+/-0.156 χ^2/NDF:81194.6/46

Out: 49.334+/-0.152 χ^2/NDF:75793.5/53

All: 48.393+/-0.109 χ^2/NDF: 157067.1/100

reg_asym_sam6_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.021+/-0.011 χ^2/NDF: 999.8/23

Left Out: -0.398+/-0.008 χ^2/NDF:1031.5/24

Right Out: 0.011+/-0.011 χ^2/NDF: 1320.5/28

Left In: -0.378+/-0.009 χ^2/NDF:1351.5/22

Left: -0.388+/-0.006 χ^2/NDF: 2386.0/47

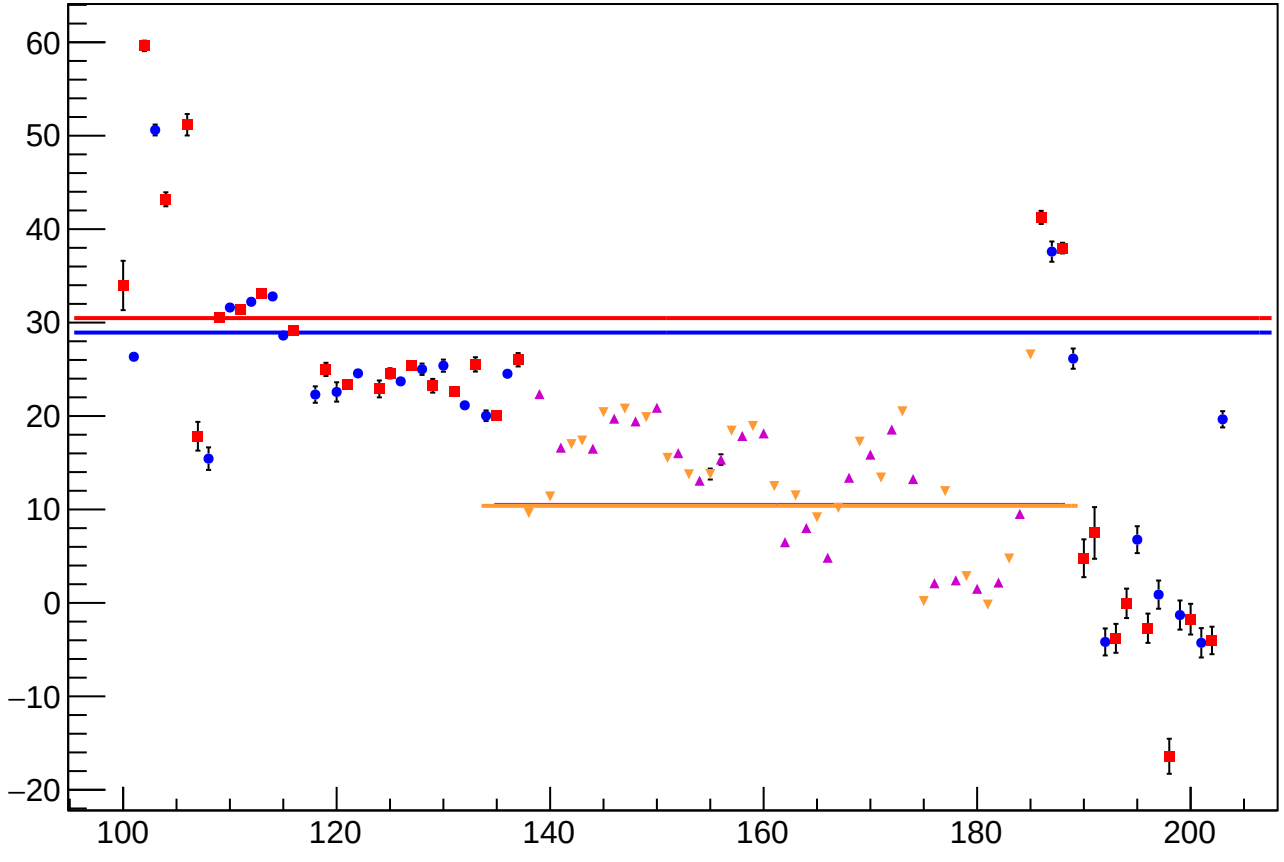
Right: 0.016+/-0.008 χ^2/NDF: 2320.8/52

In: -0.223+/-0.007 χ^2/NDF:3187.6/46

Out: -0.245+/-0.007 χ^2/NDF:3236.3/53

All: -0.234+/-0.005 χ^2/NDF: 6429.5/100

reg_asym_sam7_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 28.932+/-0.090 χ^2/NDF: 5531.6/23

Left Out: 10.390+/-0.064 χ^2/NDF:13792.8/24

Right Out: 30.480+/-0.078 χ^2/NDF: 8606.9/28

Left In: 10.488+/-0.067 χ^2/NDF:11498.1/22

Left: 10.437+/-0.046 χ^2/NDF: 25292.1/47

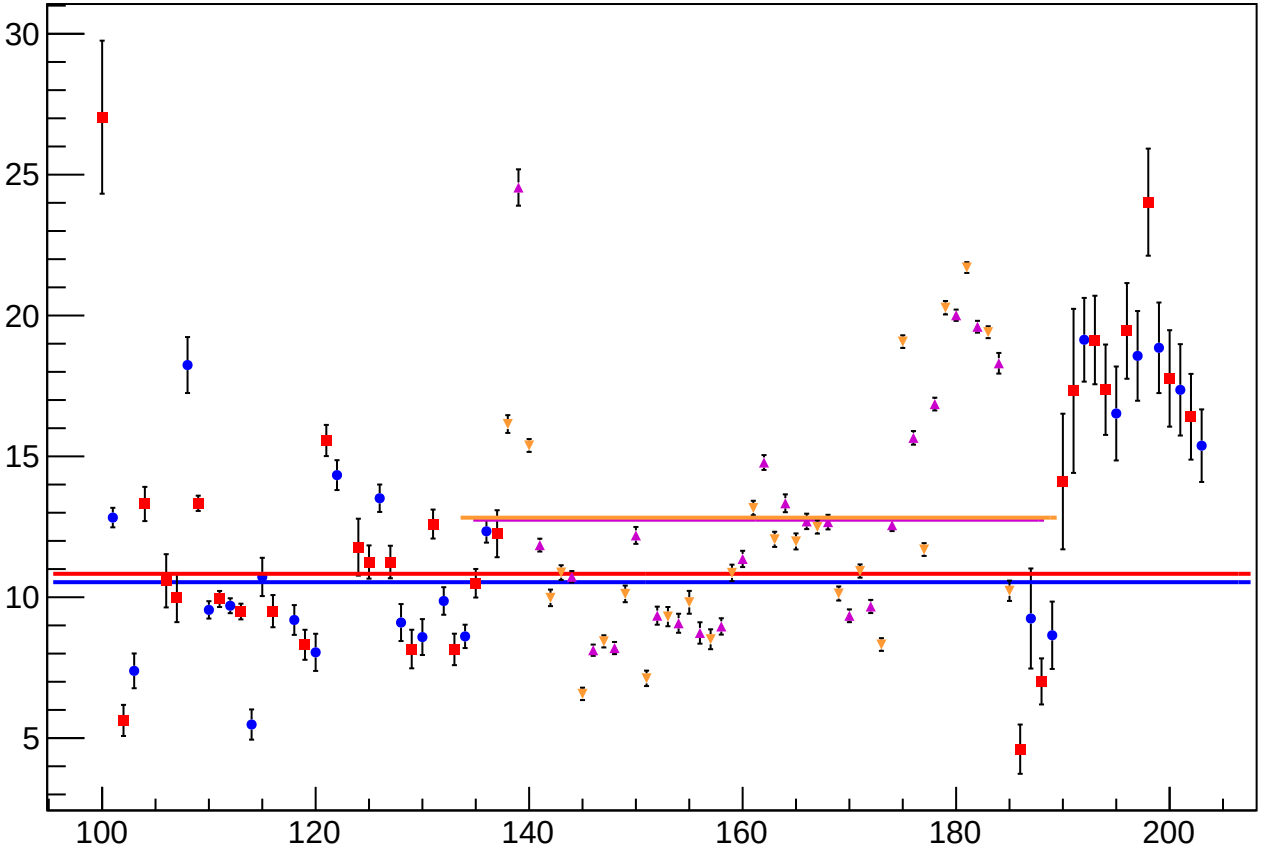
Right: 29.814+/-0.059 χ^2/NDF: 14307.2/52

In: 17.039+/-0.054 χ^2/NDF:44121.5/46

Out: 18.467+/-0.050 χ^2/NDF:61860.6/53

All: 17.809+/-0.036 χ^2/NDF: 106364.0/100

reg_asym_sam7_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 10.535+/-0.111 χ^2/NDF: 539.6/23

Left Out: 12.825+/-0.051 χ^2/NDF:8016.5/24

Right Out: 10.832+/-0.109 χ^2/NDF: 643.7/28

Left In: 12.752+/-0.053 χ^2/NDF:5502.5/22

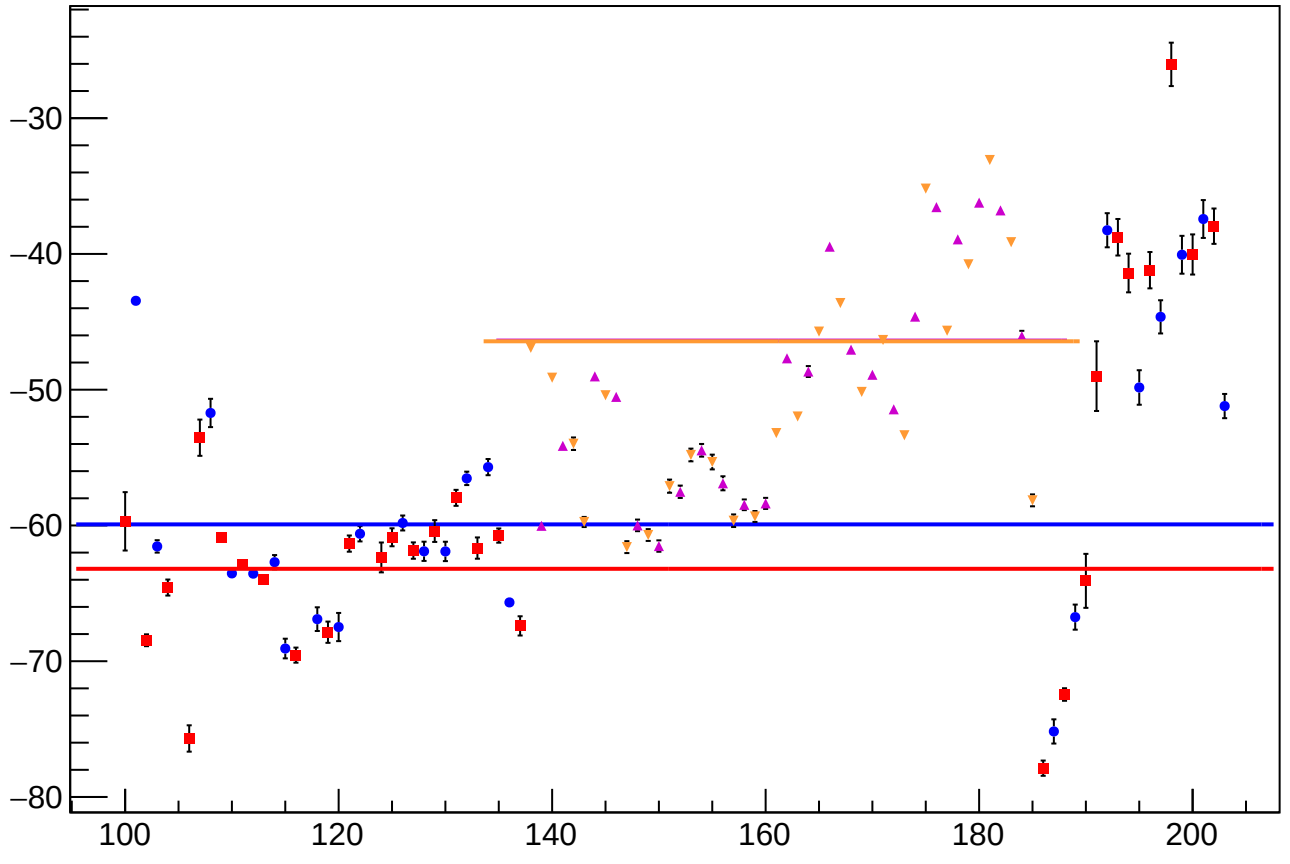
Left: 12.790+/-0.037 χ^2/NDF: 13520.0/47

Right: 10.686+/-0.078 χ^2/NDF: 1187.0/52

In: 12.344+/-0.048 χ^2/NDF:6365.5/46

Out: 12.468+/-0.046 χ^2/NDF:8933.2/53

All: 12.408+/-0.033 χ^2/NDF: 15302.1/100



Right In: -59.921+/-0.109 χ^2/NDF: 5035.9/23

Left Out: -46.435+/-0.064 χ^2/NDF:18170.4/24

Right Out: -63.193+/-0.101 χ^2/NDF: 3956.2/28

Left In: -46.383+/-0.067 χ^2/NDF:15080.6/22

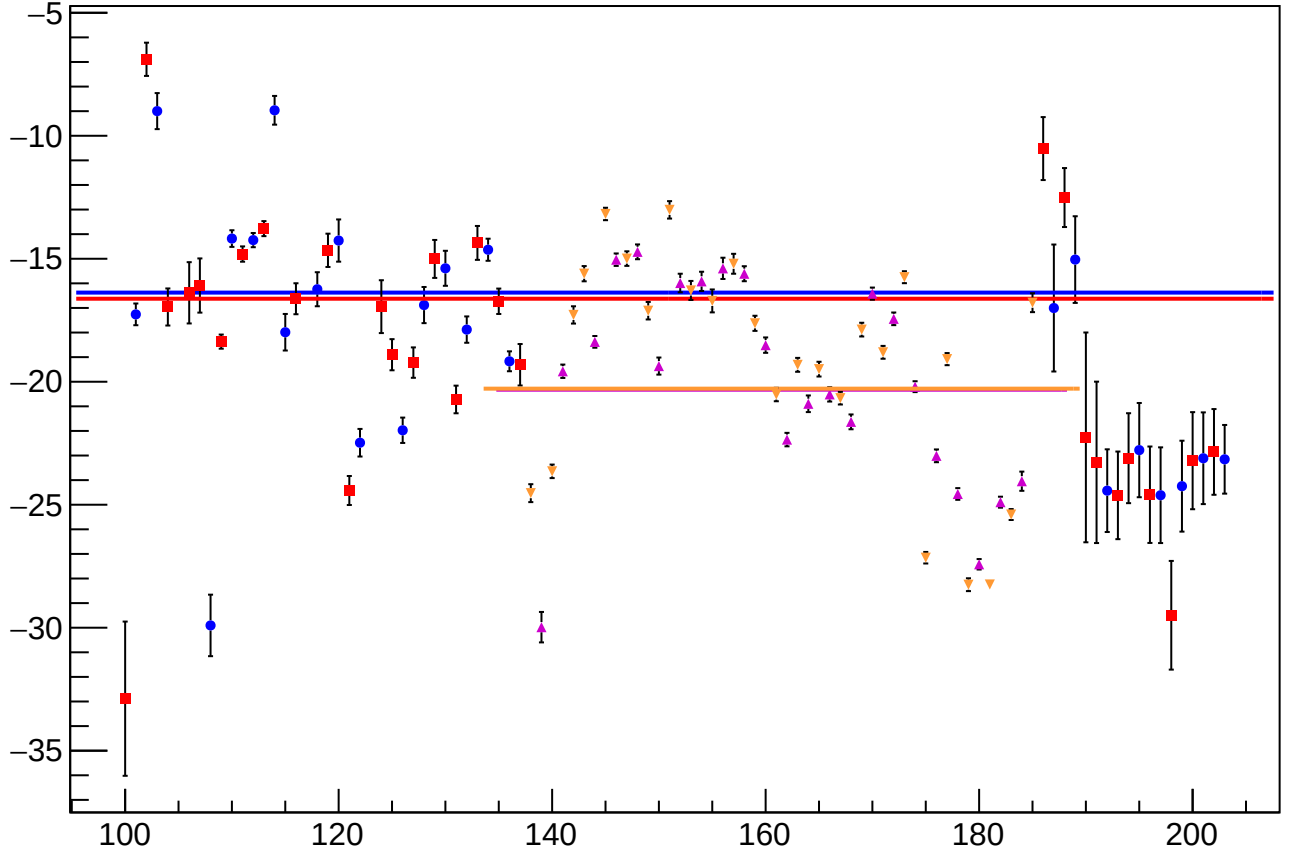
Left: -46.410+/-0.046 χ^2/NDF: 33251.4/47

Right: -61.676+/-0.074 χ^2/NDF: 9479.8/52

In: -50.104+/-0.057 χ^2/NDF:31406.1/46

Out: -51.289+/-0.054 χ^2/NDF:41723.6/53

All: -50.724+/-0.039 χ^2/NDF: 73356.7/100



Right In: -16.376+/-0.125 χ^2/NDF: 907.7/23

Left Out: -20.281+/-0.057 χ^2/NDF:7019.5/24

Right Out: -16.625+/-0.122 χ^2/NDF: 832.9/28

Left In: -20.324+/-0.059 χ^2/NDF:4272.7/22

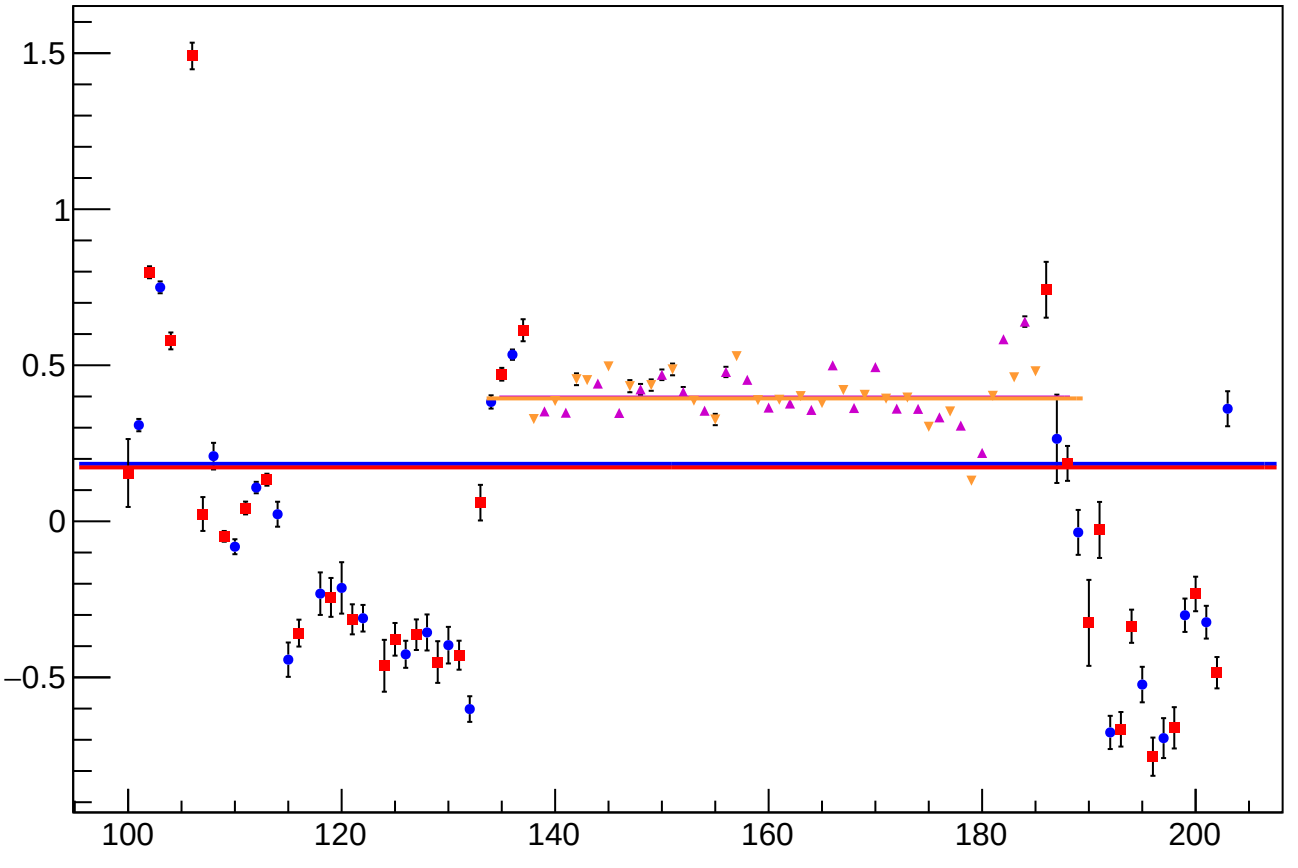
Left: -20.302+/-0.041 χ^2/NDF: 11292.4/47

Right: -16.503+/-0.087 χ^2/NDF: 1742.7/52

In: -19.601+/-0.053 χ^2/NDF:5999.1/46

Out: -19.622+/-0.052 χ^2/NDF:8592.2/53

All: -19.612+/-0.037 χ^2/NDF: 14591.3/100



Right In: 0.184+/-0.007 χ^2/NDF: 3490.6/23

Left Out: 0.394+/-0.003 χ^2/NDF:946.9/24

Right Out: 0.173+/-0.007 χ^2/NDF: 4668.4/28

Left In: 0.397+/-0.003 χ^2/NDF:1295.7/22

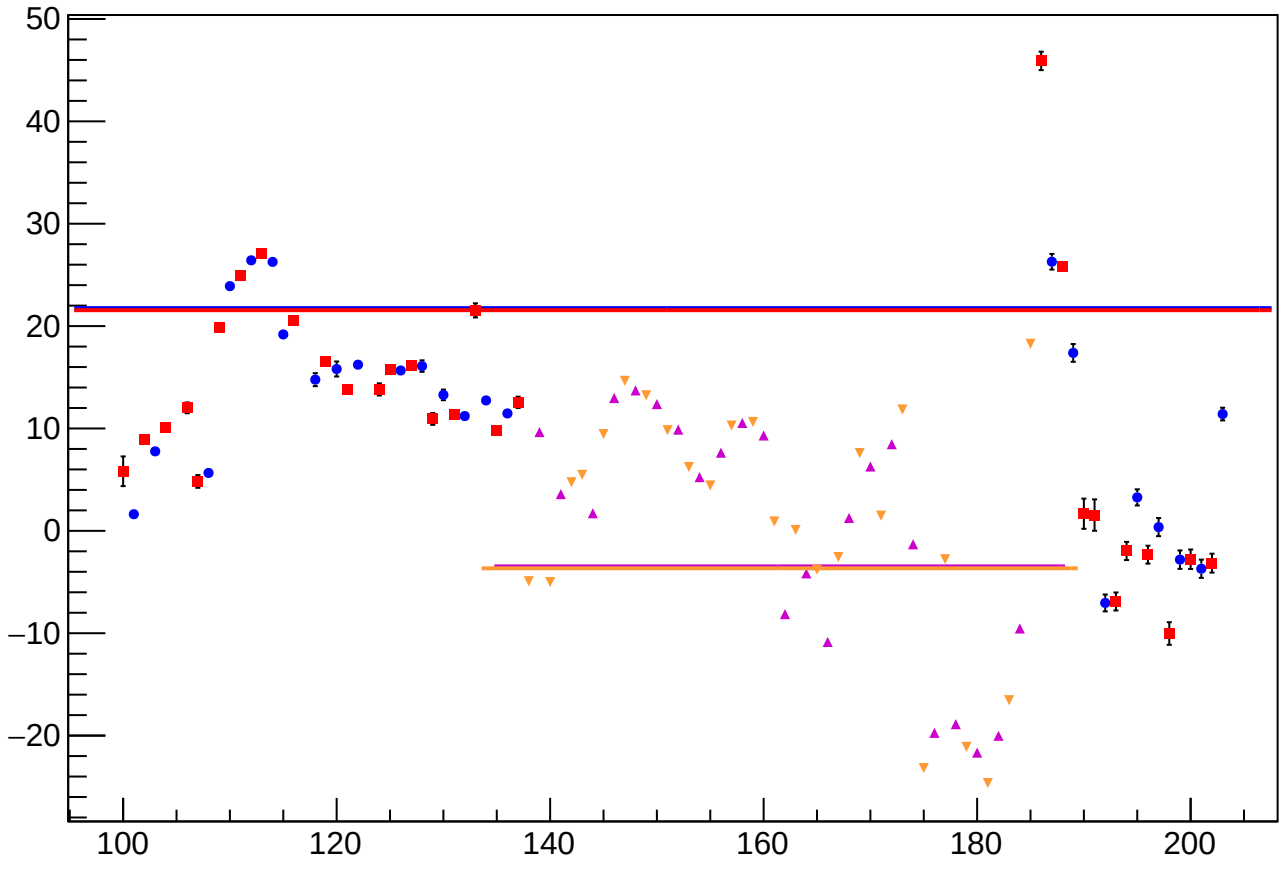
Left: 0.395+/-0.002 χ^2/NDF: 2243.2/47

Right: 0.178+/-0.005 χ^2/NDF: 8160.5/52

In: 0.368+/-0.002 χ^2/NDF:5656.2/46

Out: 0.365+/-0.002 χ^2/NDF:6569.6/53

All: 0.367+/-0.002 χ^2/NDF: 12226.5/100



Right In: 21.753+/-0.055 χ^2/NDF: 16700.9/23

Left Out: -3.660+/-0.055 χ^2/NDF:56739.4/24

Right Out: 21.556+/-0.046 χ^2/NDF: 16604.1/28

Left In: -3.475+/-0.057 χ^2/NDF:45103.9/22

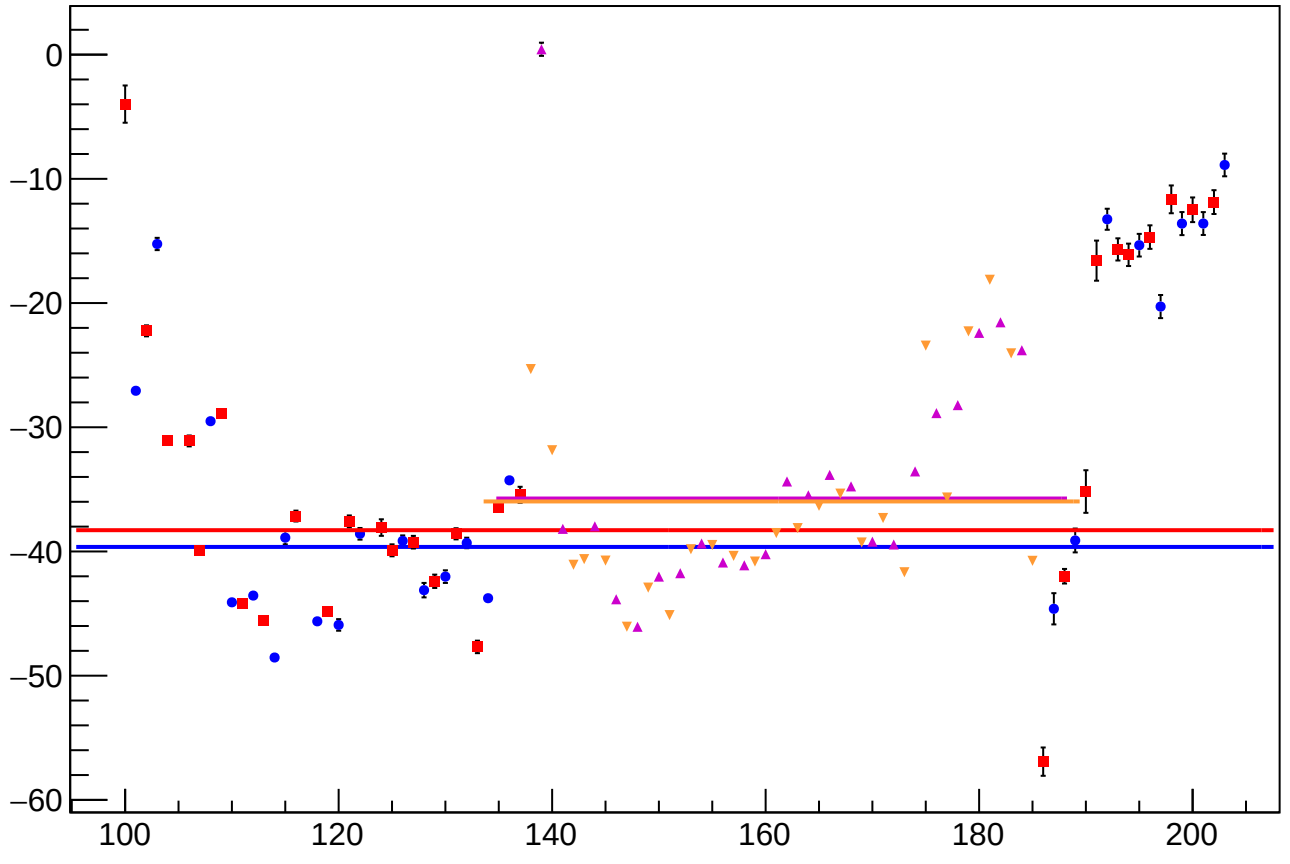
Left: -3.573+/-0.040 χ^2/NDF: 101848.8/47

Right: 21.635+/-0.035 χ^2/NDF: 33312.5/52

In: 9.576+/-0.040 χ^2/NDF:161686.0/46

Out: 11.191+/-0.035 χ^2/NDF:199254.0/53

All: 10.489+/-0.026 χ^2/NDF: 361867.5/100



Right In: -39.635+/-0.075 χ^2/NDF: 12827.5/23

Left Out: -35.973+/-0.042 χ^2/NDF:33609.3/24

Right Out: -38.287+/-0.069 χ^2/NDF: 14560.4/28

Left In: -35.737+/-0.045 χ^2/NDF:27154.8/22

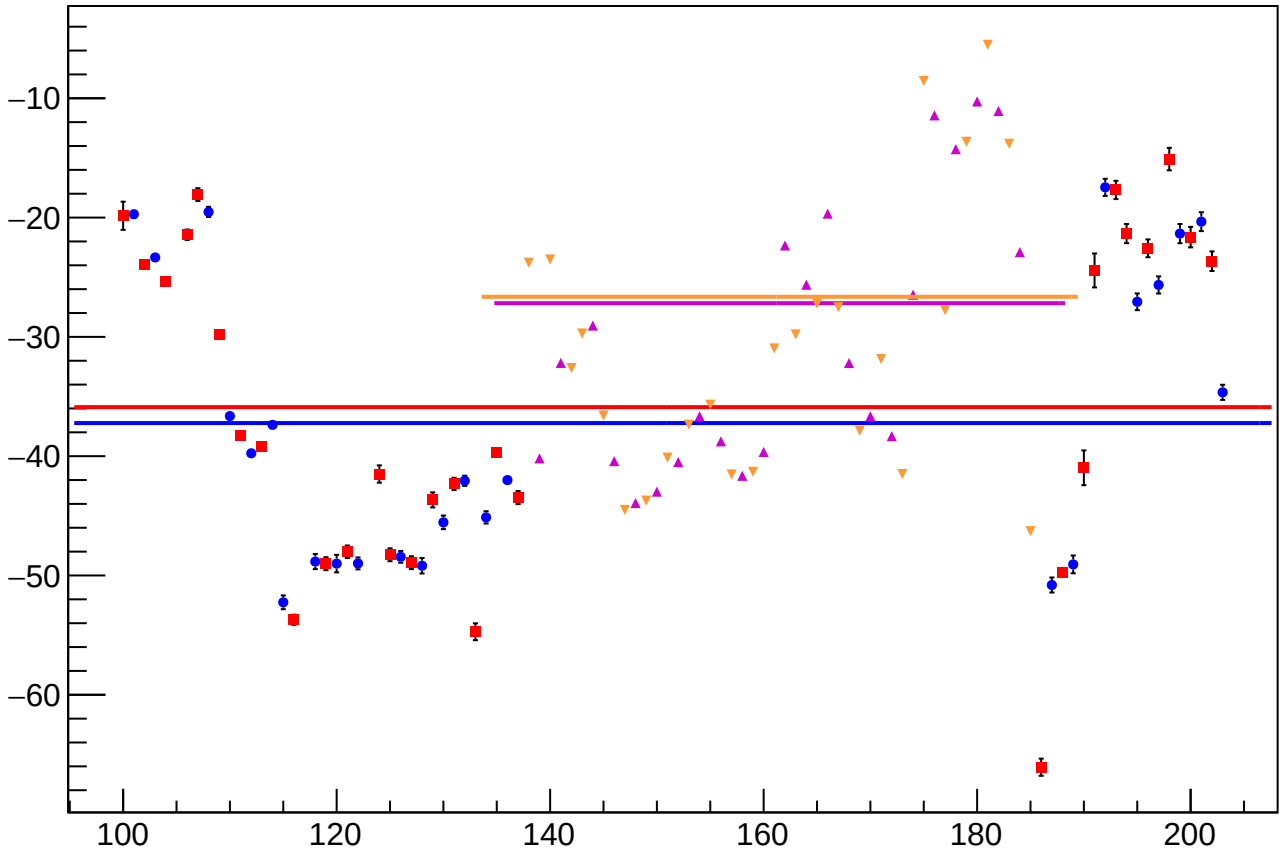
Left: -35.862+/-0.031 χ^2/NDF: 60778.7/47

Right: -38.910+/-0.051 χ^2/NDF: 27563.6/52

In: -36.776+/-0.038 χ^2/NDF:41987.1/46

Out: -36.605+/-0.036 χ^2/NDF:48982.9/53

All: -36.685+/-0.026 χ^2/NDF: 90980.5/100



Right In: -37.225+/-0.071 χ^2/NDF: 13700.3/23

Left Out: -26.639+/-0.055 χ^2/NDF:50051.9/24

Right Out: -35.890+/-0.062 χ^2/NDF: 19064.5/28

Left In: -27.176+/-0.057 χ^2/NDF:40990.1/22

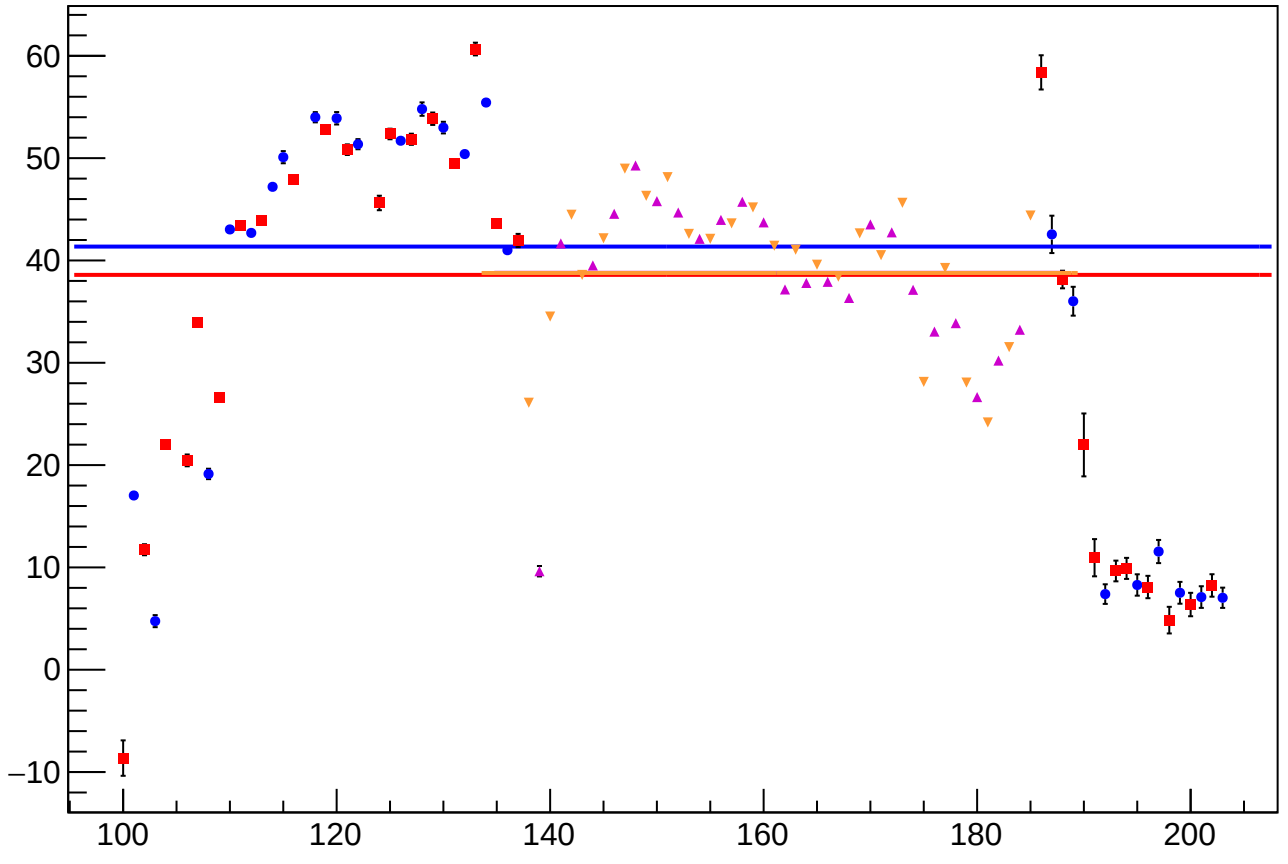
Left: -26.895+/-0.039 χ^2/NDF: 91088.1/47

Right: -36.466+/-0.047 χ^2/NDF: 32967.0/52

In: -31.150+/-0.044 χ^2/NDF:66883.9/46

Out: -30.701+/-0.041 χ^2/NDF:81727.5/53

All: -30.906+/-0.030 χ^2/NDF: 148666.5/100



Right In: 41.357+/-0.083 χ^2/NDF: 21241.2/23

Left Out: 38.777+/-0.048 χ^2/NDF:21070.6/24

Right Out: 38.591+/-0.077 χ^2/NDF: 23127.3/28

Left In: 38.791+/-0.050 χ^2/NDF:16240.7/22

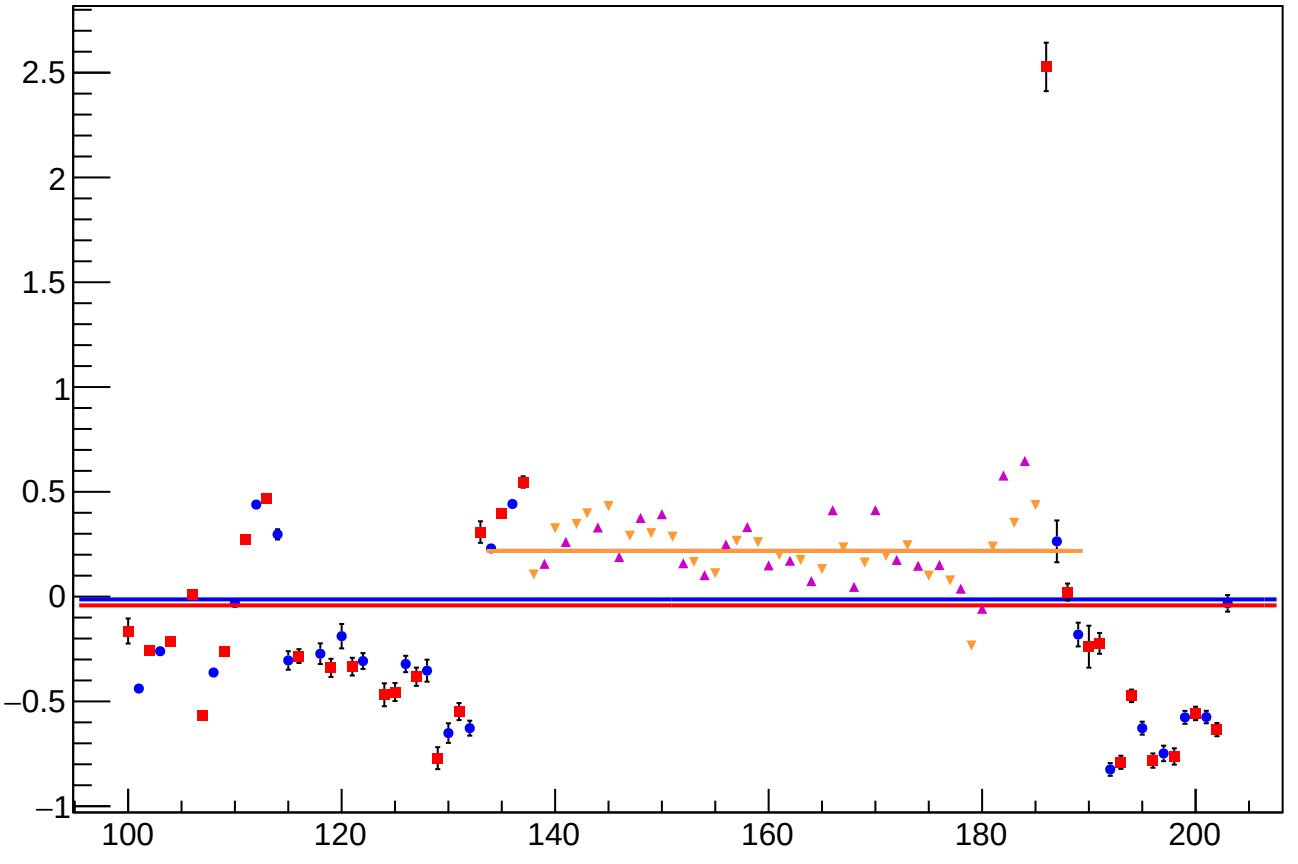
Left: 38.784+/-0.035 χ^2/NDF: 37311.3/47

Right: 39.859+/-0.056 χ^2/NDF: 44967.6/52

In: 39.476+/-0.043 χ^2/NDF:38179.6/46

Out: 38.725+/-0.040 χ^2/NDF:44202.2/53

All: 39.078+/-0.029 χ^2/NDF: 82543.6/100



Right In: -0.013+/-0.005 χ^2/NDF: 7963.7/23

Left Out: 0.218+/-0.002 χ^2/NDF:4075.0/24

Right Out: -0.042+/-0.004 χ^2/NDF: 9328.6/28

Left In: 0.218+/-0.002 χ^2/NDF:5312.2/22

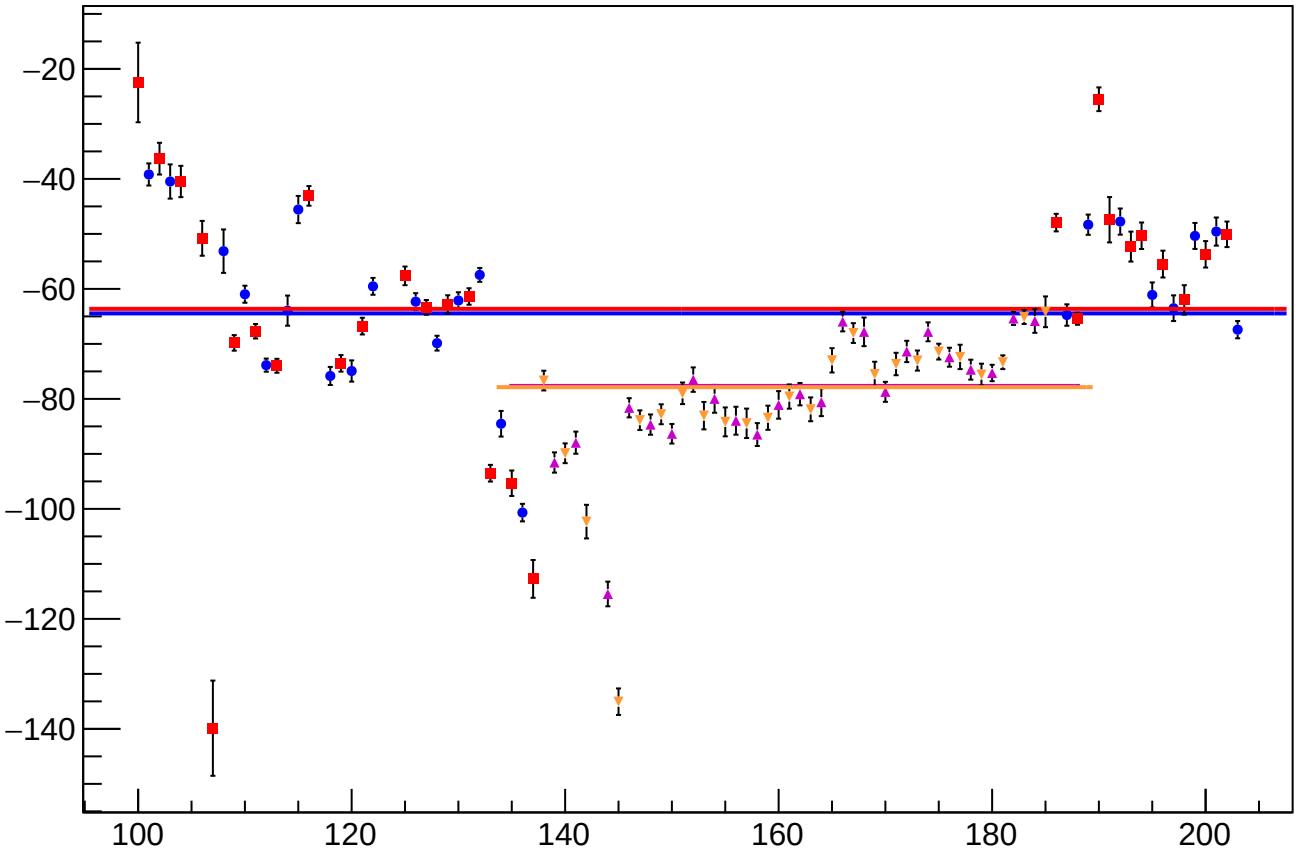
Left: 0.218+/-0.002 χ^2/NDF: 9387.2/47

Right: -0.029+/-0.003 χ^2/NDF: 17314.2/52

In: 0.173+/-0.002 χ^2/NDF:15378.7/46

Out: 0.162+/-0.002 χ^2/NDF:16521.7/53

All: 0.168+/-0.001 χ^2/NDF: 31915.3/100



Right In: -64.457+/-0.369 χ^2/NDF: 1280.4/23

Left Out: -77.867+/-0.394 χ^2/NDF:932.3/23

Right Out: -63.630+/-0.350 χ^2/NDF: 1889.4/27

Left In: -77.643+/-0.396 χ^2/NDF:693.3/22

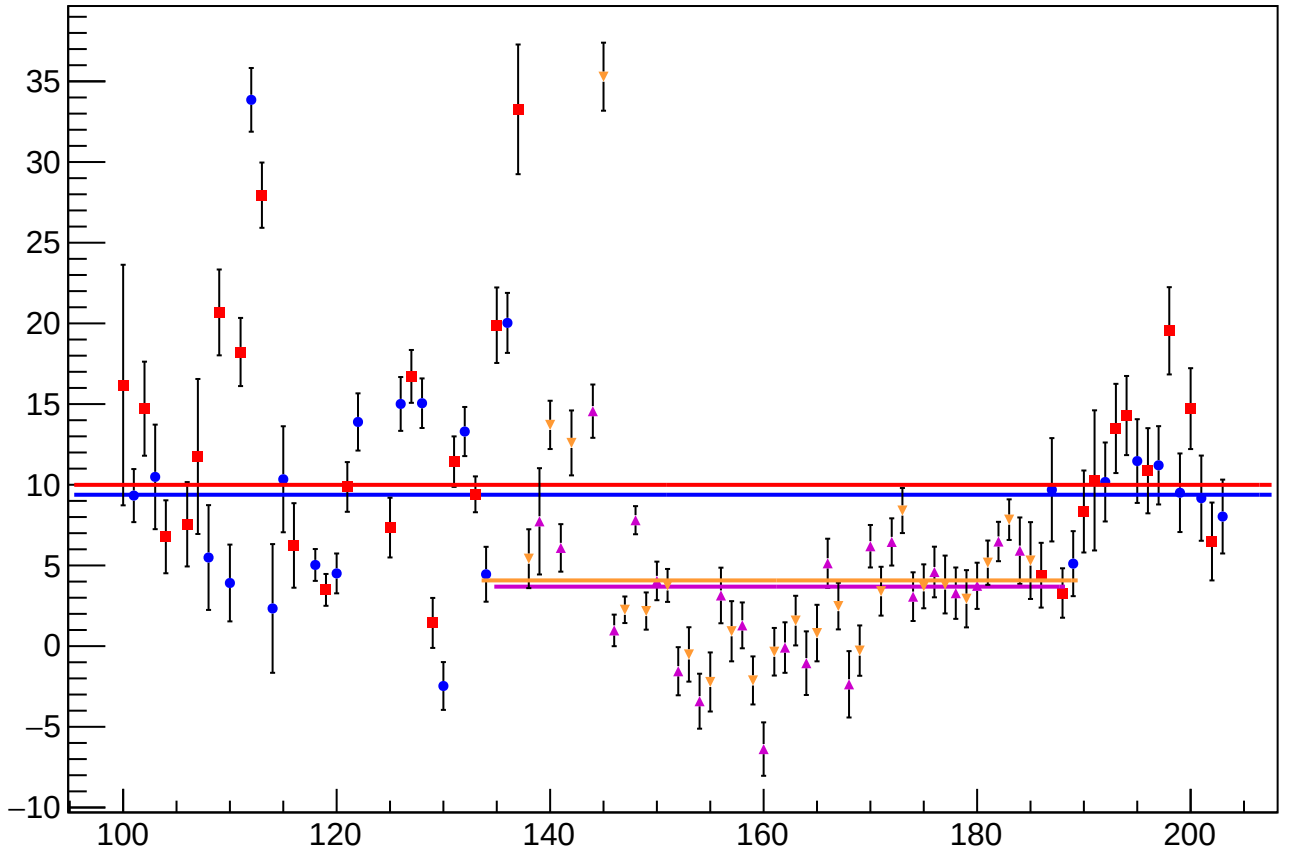
Left: -77.756+/-0.279 χ^2/NDF: 1625.8/46

Right: -64.023+/-0.254 χ^2/NDF: 3172.4/51

In: -70.572+/-0.270 χ^2/NDF:2566.9/46

Out: -69.908+/-0.262 χ^2/NDF:3551.3/51

All: -70.229+/-0.188 χ^2/NDF: 6121.4/98



Right In: 9.381+/-0.384 χ^2/NDF: 348.2/23

Left Out: 4.073+/-0.297 χ^2/NDF:370.6/23

Right Out: 9.995+/-0.376 χ^2/NDF: 314.2/27

Left In: 3.686+/-0.302 χ^2/NDF:182.6/22

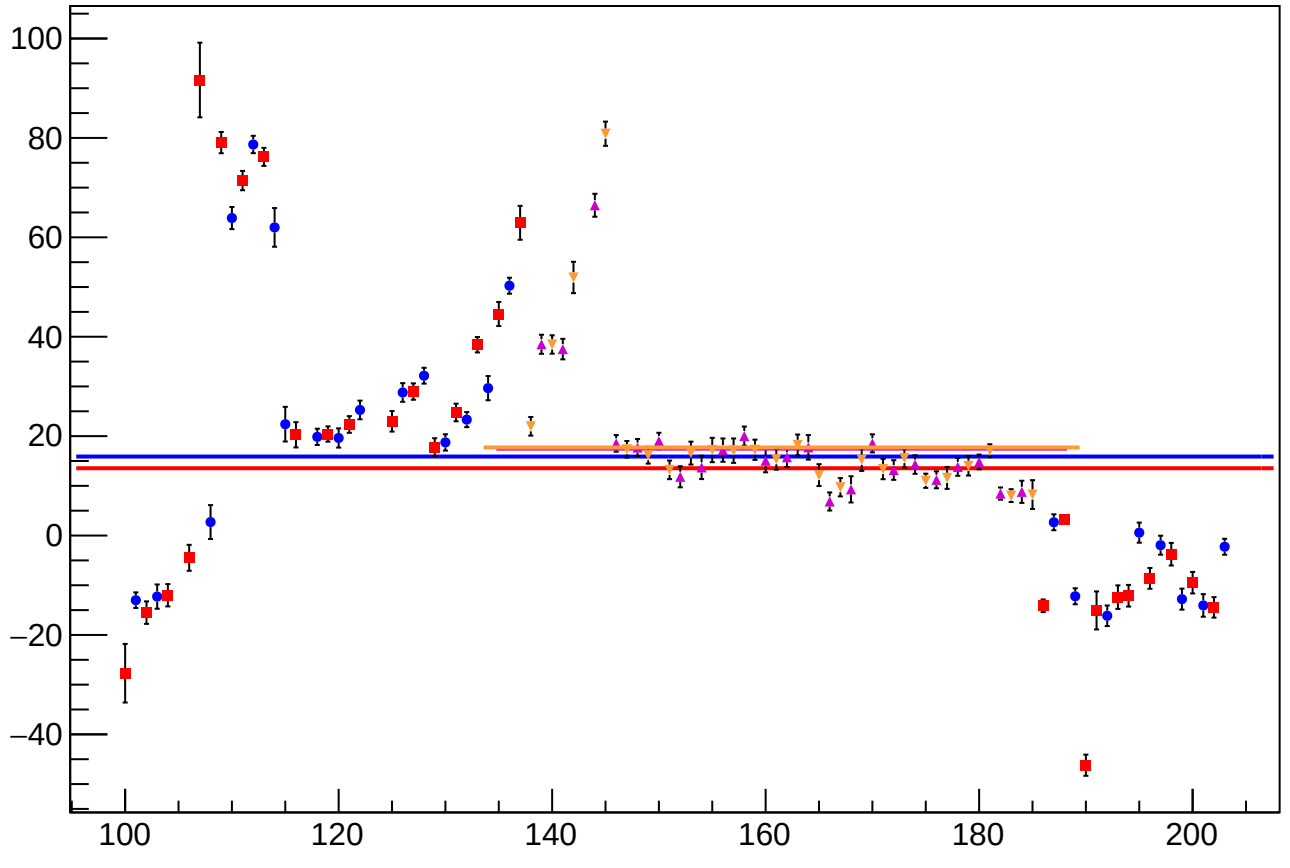
Left: 3.883+/-0.212 χ^2/NDF: 554.0/46

Right: 9.694+/-0.269 χ^2/NDF: 663.7/51

In: 5.861+/-0.237 χ^2/NDF:666.9/46

Out: 6.343+/-0.233 χ^2/NDF:837.5/51

All: 6.106+/-0.166 χ^2/NDF: 1506.5/98



Right In: 15.894+/-0.388 χ^2/NDF: 4333.0/23

Left Out: 17.723+/-0.391 χ^2/NDF:1058.3/23

Right Out: 13.541+/-0.362 χ^2/NDF: 6524.1/27

Left In: 17.491+/-0.393 χ^2/NDF:820.7/22

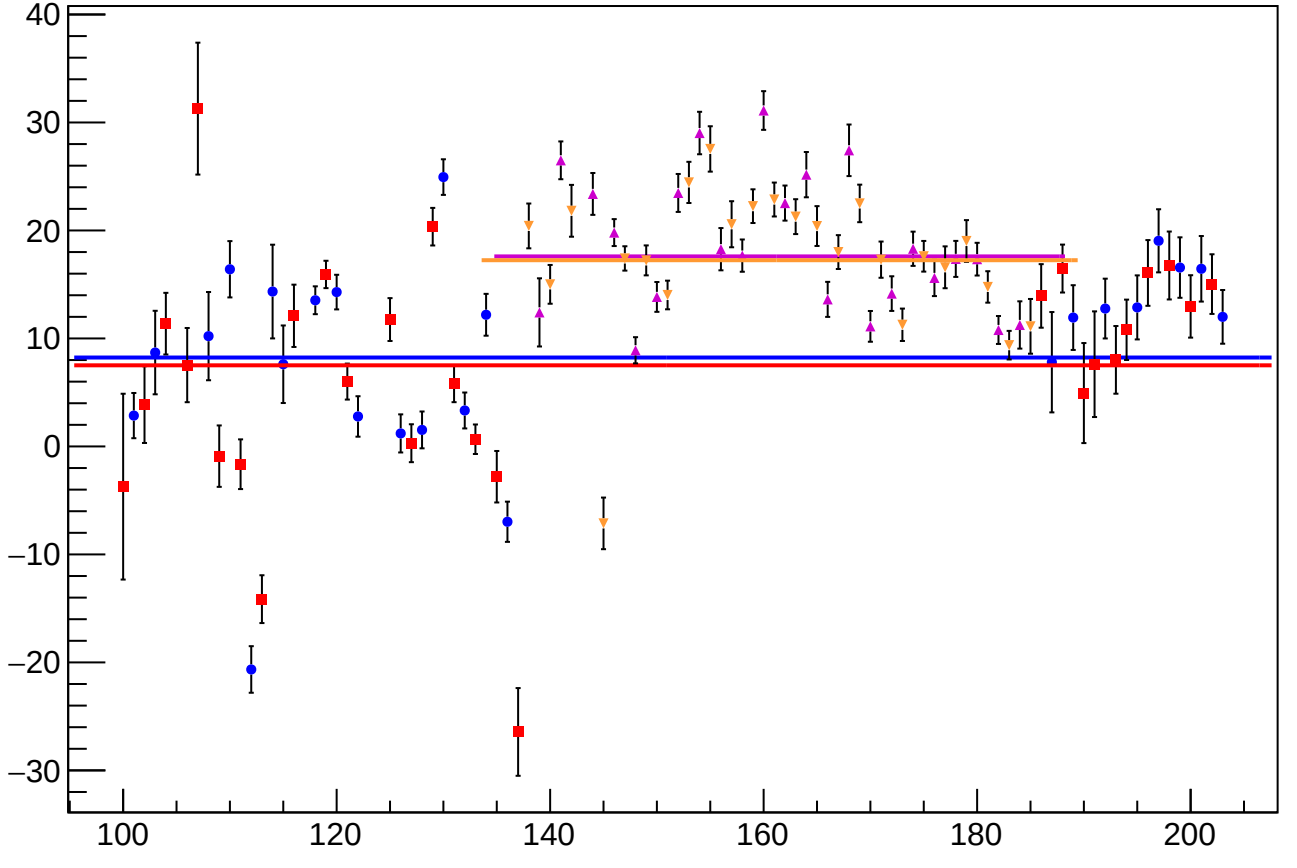
Left: 17.608+/-0.277 χ^2/NDF: 1879.2/46

Right: 14.634+/-0.265 χ^2/NDF: 10876.8/51

In: 16.684+/-0.276 χ^2/NDF:5162.1/46

Out: 15.469+/-0.266 χ^2/NDF:7644.1/51

All: 16.052+/-0.191 χ^2/NDF: 12816.3/98



Right In: 8.233+/-0.448 χ^2/NDF: 490.2/23

Left Out: 17.245+/-0.338 χ^2/NDF:260.8/23

Right Out: 7.511+/-0.444 χ^2/NDF: 428.3/27

Left In: 17.597+/-0.342 χ^2/NDF:309.7/22

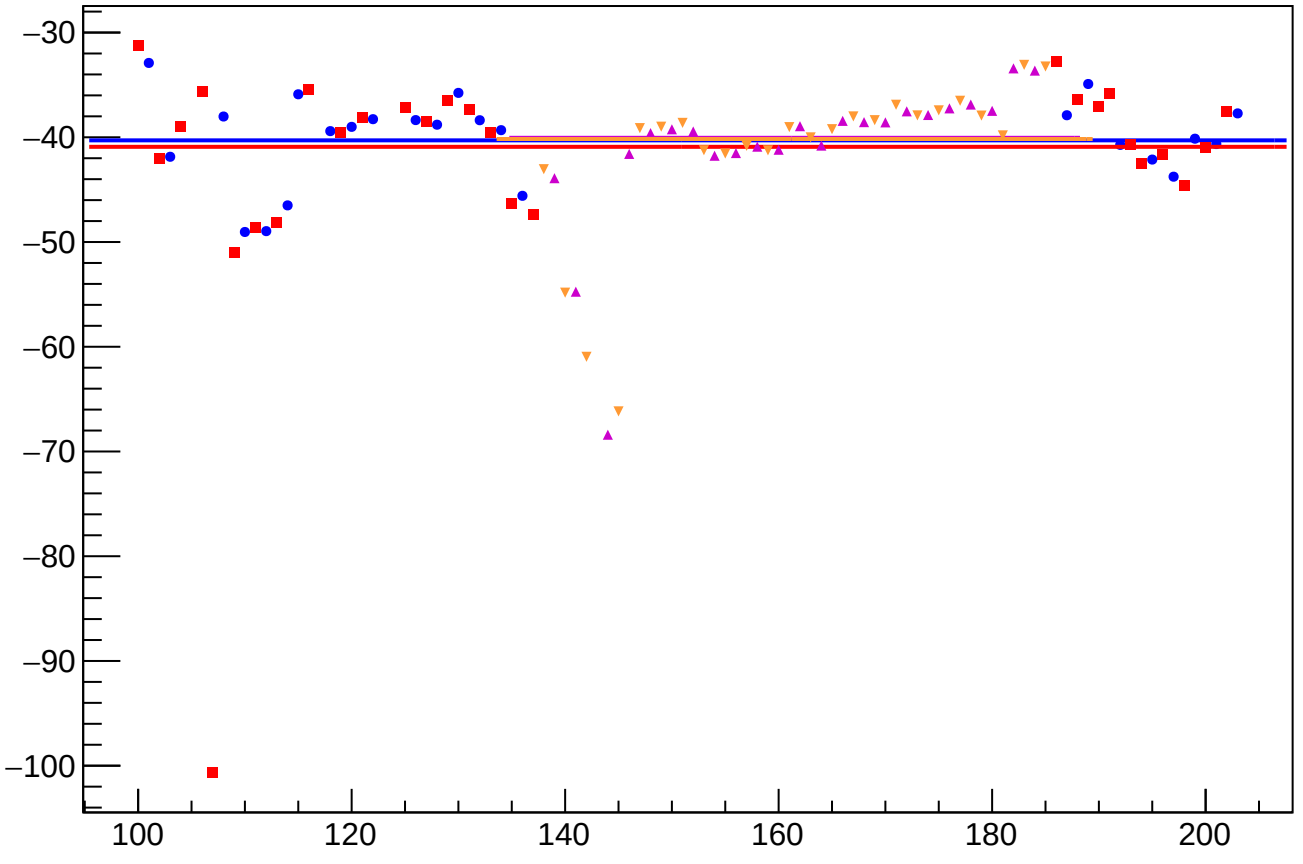
Left: 17.419+/-0.241 χ^2/NDF: 571.0/46

Right: 7.869+/-0.315 χ^2/NDF: 919.8/51

In: 14.144+/-0.272 χ^2/NDF:1075.9/46

Out: 13.674+/-0.269 χ^2/NDF:993.2/51

All: 13.906+/-0.191 χ^2/NDF: 2070.6/98



Right In: -40.293+/-0.023 χ^2/NDF: 25455.1/23

Left Out: -40.165+/-0.015 χ^2/NDF:163335.9/23

Right Out: -40.911+/-0.022 χ^2/NDF: 69268.6/27

Left In: -40.050+/-0.015 χ^2/NDF:136438.5/22

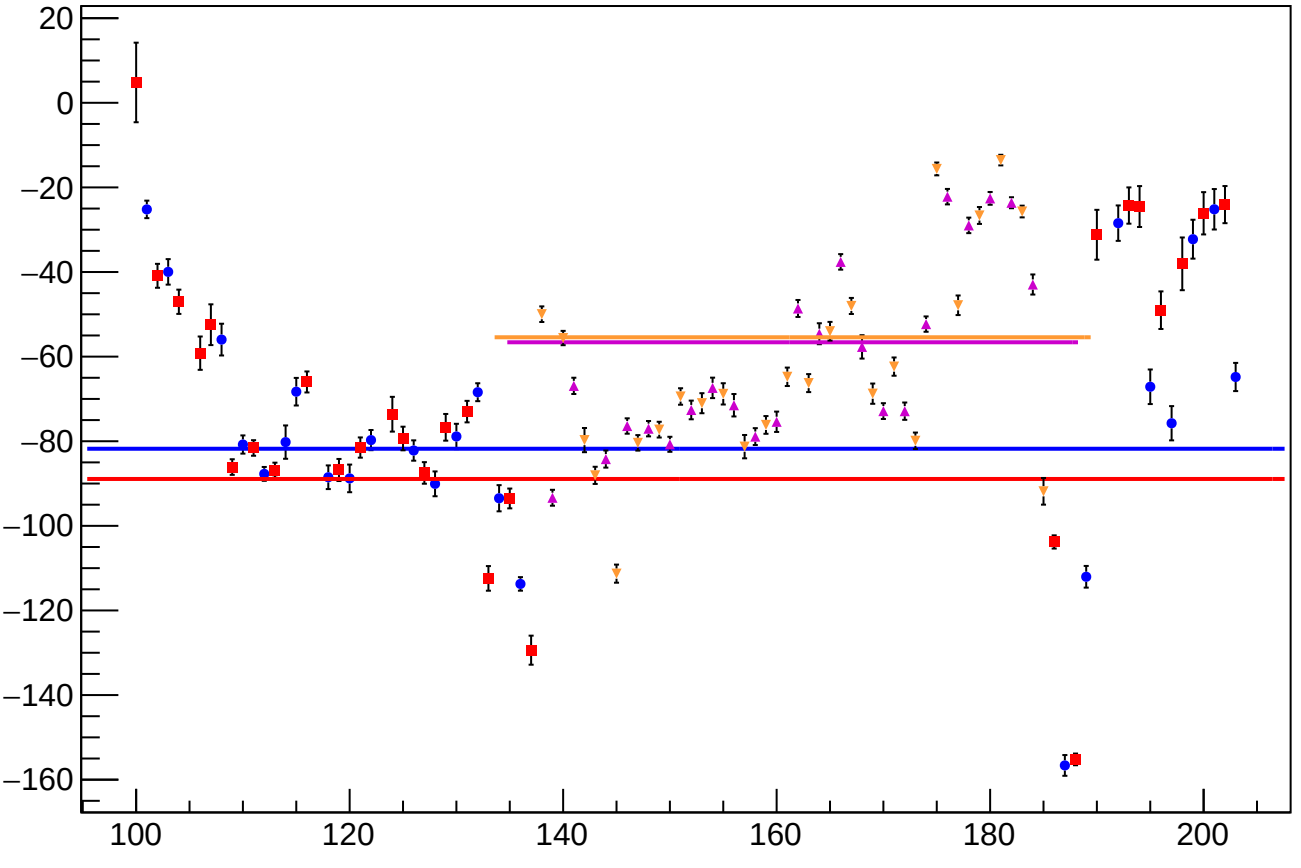
Left: -40.107+/-0.011 χ^2/NDF: 299802.1/46

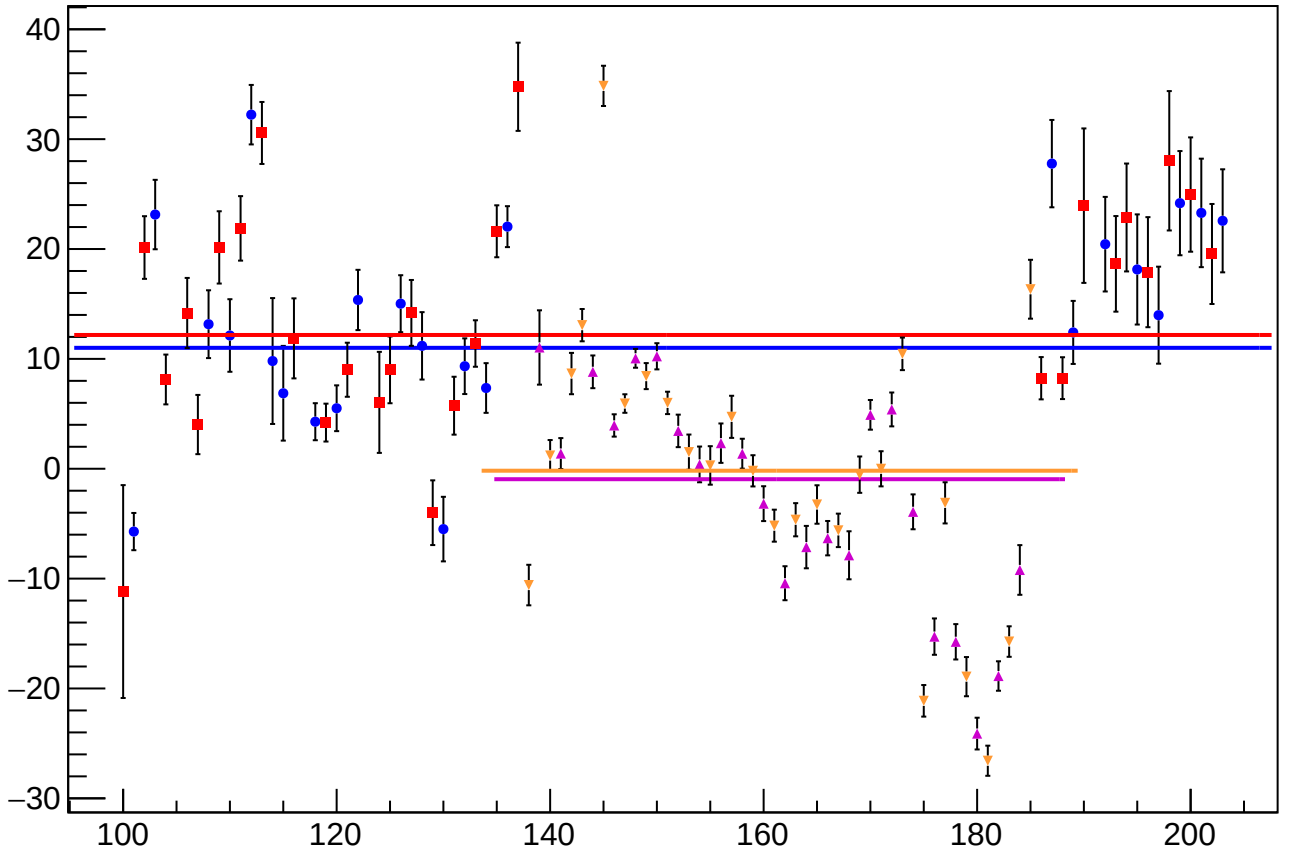
Right: -40.611+/-0.016 χ^2/NDF: 95092.5/51

In: -40.124+/-0.013 χ^2/NDF:161970.3/46

Out: -40.405+/-0.013 χ^2/NDF:233356.8/51

All: -40.266+/-0.009 χ^2/NDF: 395568.2/98


reg_asym_usr_diff_bpm1X_slope vs Slug, Sign Corrected
20
0
−20
−40
−60
−80
−100
−120
−140
−160
100
120
140
160
180
200
Right In: -81.776+/-0.546 χ²/NDF: 3021.2/23
Left Out: -55.424+/-0.393 χ²/NDF:4525.3/24
Right Out: -88.919+/-0.502 χ²/NDF: 4532.1/27
Left In: -56.609+/-0.404 χ²/NDF:3350.3/22
Left: -56.001+/-0.282 χ²/NDF: 7880.0/47
Right: -85.647+/-0.370 χ²/NDF: 7646.1/51
In: -65.508+/-0.325 χ²/NDF:7745.3/46
Out: -68.164+/-0.310 χ²/NDF:11816.3/52
All: -66.899+/-0.224 χ²/NDF: 19596.7/99



Right In: 11.006+/-0.572 χ^2/NDF: 317.9/23

Left Out: -0.179+/-0.294 χ^2/NDF:1598.6/24

Right Out: 12.176+/-0.553 χ^2/NDF: 230.3/27

Left In: -0.952+/-0.304 χ^2/NDF:1069.6/22

Left: -0.553+/-0.211 χ^2/NDF: 2671.5/47

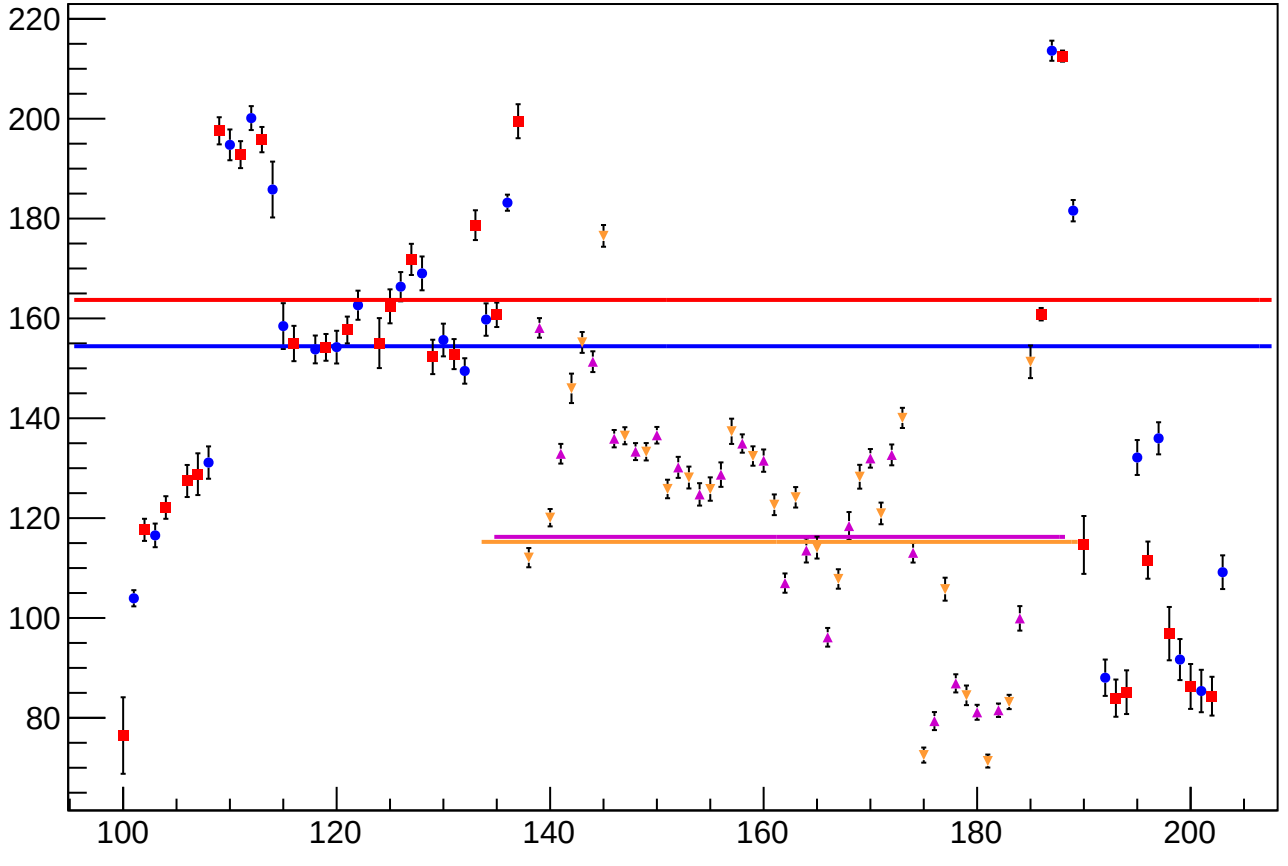
Right: 11.612+/-0.398 χ^2/NDF: 550.3/51

In: 1.679+/-0.269 χ^2/NDF:1727.8/46

Out: 2.549+/-0.260 χ^2/NDF:2218.5/52

All: 2.129+/-0.187 χ^2/NDF: 3951.7/99

reg_asym_usr_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 154.429+/-0.559 χ^2/NDF: 4321.1/23

Left Out: 115.243+/-0.390 χ^2/NDF:4836.5/24

Right Out: 163.704+/-0.501 χ^2/NDF: 5582.3/27

Left In: 116.246+/-0.399 χ^2/NDF:3637.3/22

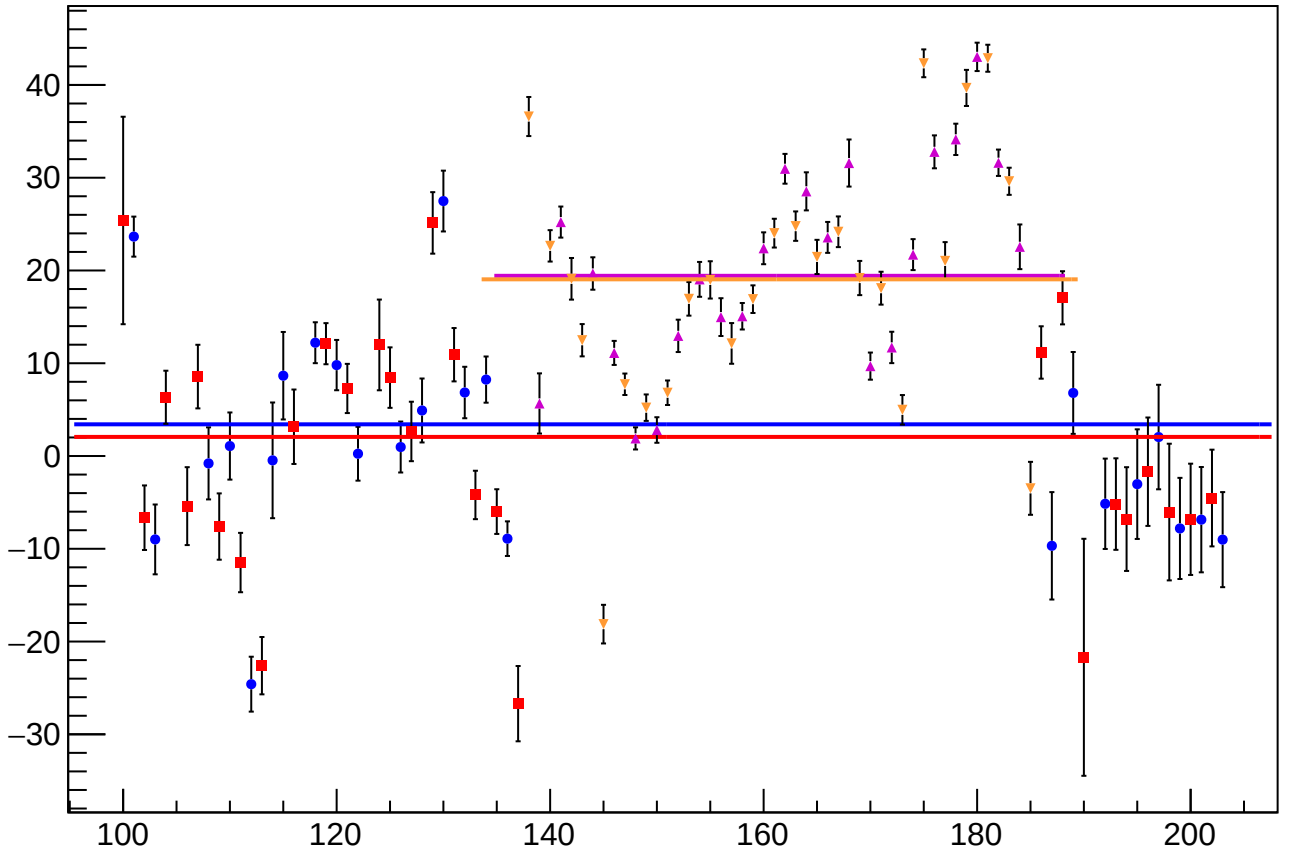
Left: 115.733+/-0.279 χ^2/NDF: 8477.1/47

Right: 159.565+/-0.373 χ^2/NDF: 10056.0/51

In: 129.153+/-0.325 χ^2/NDF:11051.3/46

Out: 133.529+/-0.308 χ^2/NDF:16234.5/52

All: 131.456+/-0.223 χ^2/NDF: 27381.5/99



Right In: 3.416+/-0.667 χ^2/NDF: 341.5/23

Left Out: 19.046+/-0.336 χ^2/NDF:1545.8/24

Right Out: 2.060+/-0.658 χ^2/NDF: 317.4/27

Left In: 19.425+/-0.346 χ^2/NDF:1077.2/22

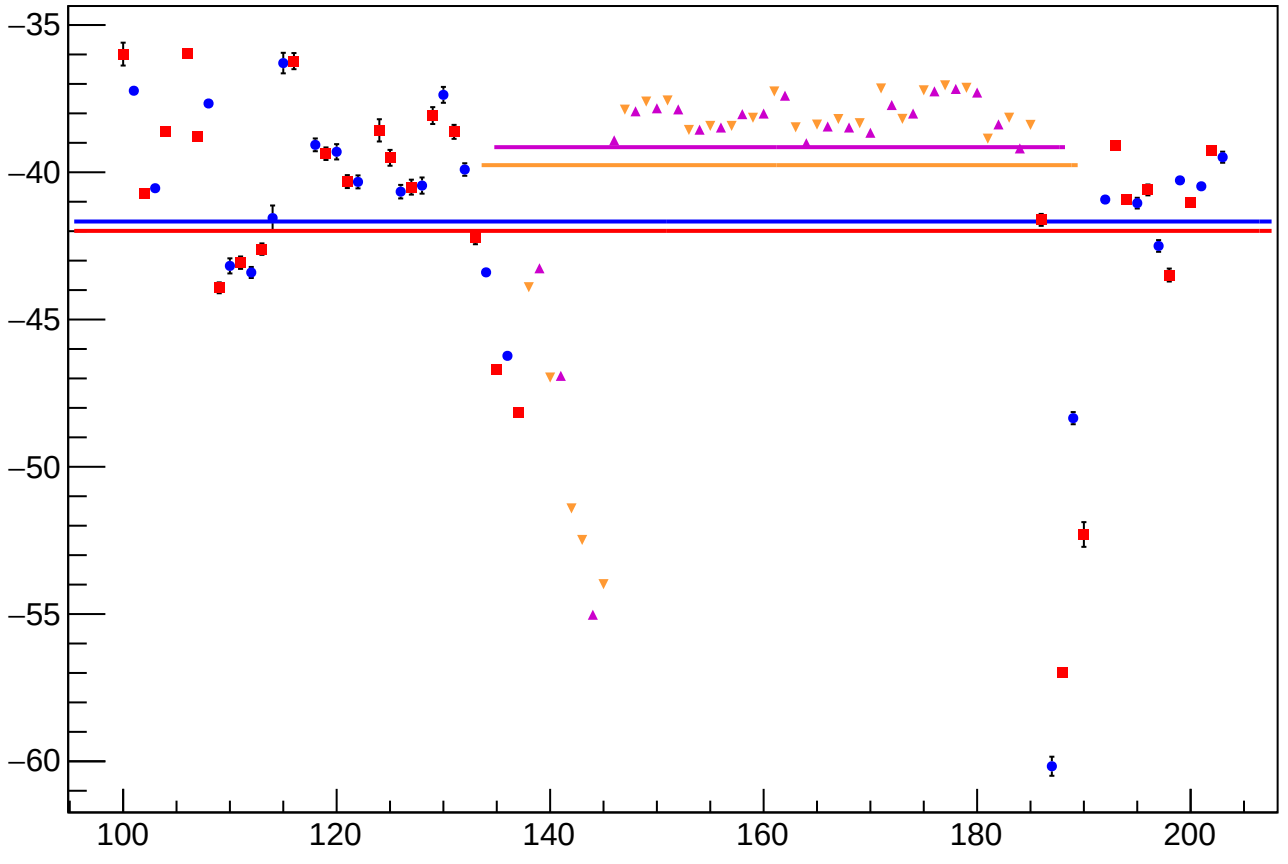
Left: 19.230+/-0.241 χ^2/NDF: 2623.6/47

Right: 2.729+/-0.469 χ^2/NDF: 661.0/51

In: 16.035+/-0.307 χ^2/NDF:1872.8/46

Out: 15.534+/-0.299 χ^2/NDF:2391.2/52

All: 15.778+/-0.214 χ^2/NDF: 4265.4/99



Right In: -41.672+/-0.033 χ^2/NDF: 12557.3/23

Left Out: -39.758+/-0.015 χ^2/NDF:81865.0/24

Right Out: -41.990+/-0.033 χ^2/NDF: 19448.2/27

Left In: -39.147+/-0.016 χ^2/NDF:46907.5/22

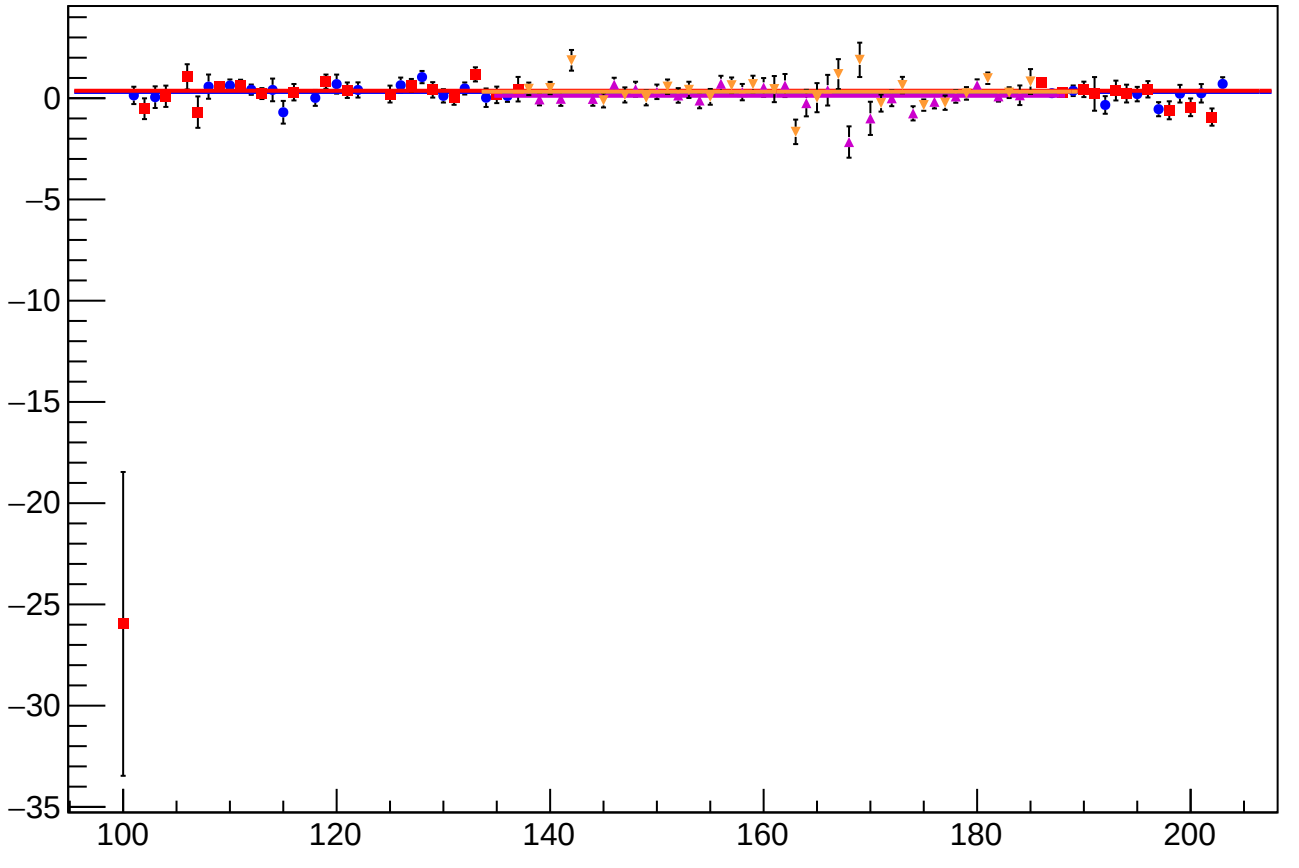
Left: -39.456+/-0.011 χ^2/NDF: 129547.1/47

Right: -41.831+/-0.023 χ^2/NDF: 32052.4/51

In: -39.612+/-0.014 χ^2/NDF:64282.9/46

Out: -40.160+/-0.014 χ^2/NDF:105083.1/52

All: -39.889+/-0.010 χ^2/NDF: 170128.7/99



Right In: 0.308+/-0.072 χ^2/NDF: 24.5/23

Left Out: 0.321+/-0.078 χ^2/NDF:46.9/23

Right Out: 0.368+/-0.062 χ^2/NDF: 53.5/27

Left In: 0.120+/-0.079 χ^2/NDF:30.0/22

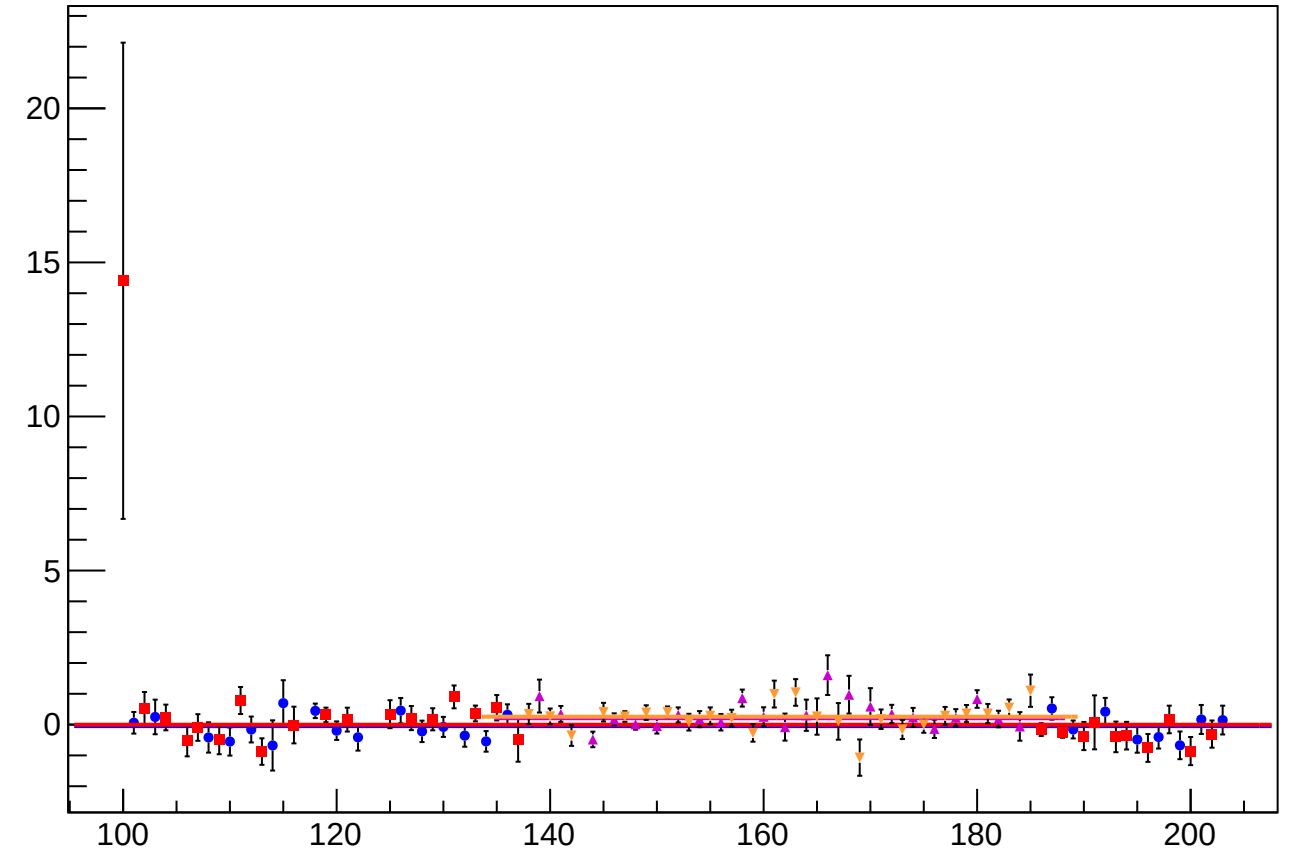
Left: 0.222+/-0.056 χ^2/NDF: 80.1/46

Right: 0.343+/-0.047 χ^2/NDF: 78.4/51

In: 0.224+/-0.053 χ^2/NDF:57.6/46

Out: 0.350+/-0.049 χ^2/NDF:100.6/51

All: 0.292+/-0.036 χ^2/NDF: 161.2/98



Right In: -0.049+/-0.078 χ^2/NDF: 23.0/23

Left Out: 0.257+/-0.059 χ^2/NDF:26.5/23

Right Out: -0.004+/-0.071 χ^2/NDF: 38.6/27

Left In: 0.207+/-0.060 χ^2/NDF:31.9/22

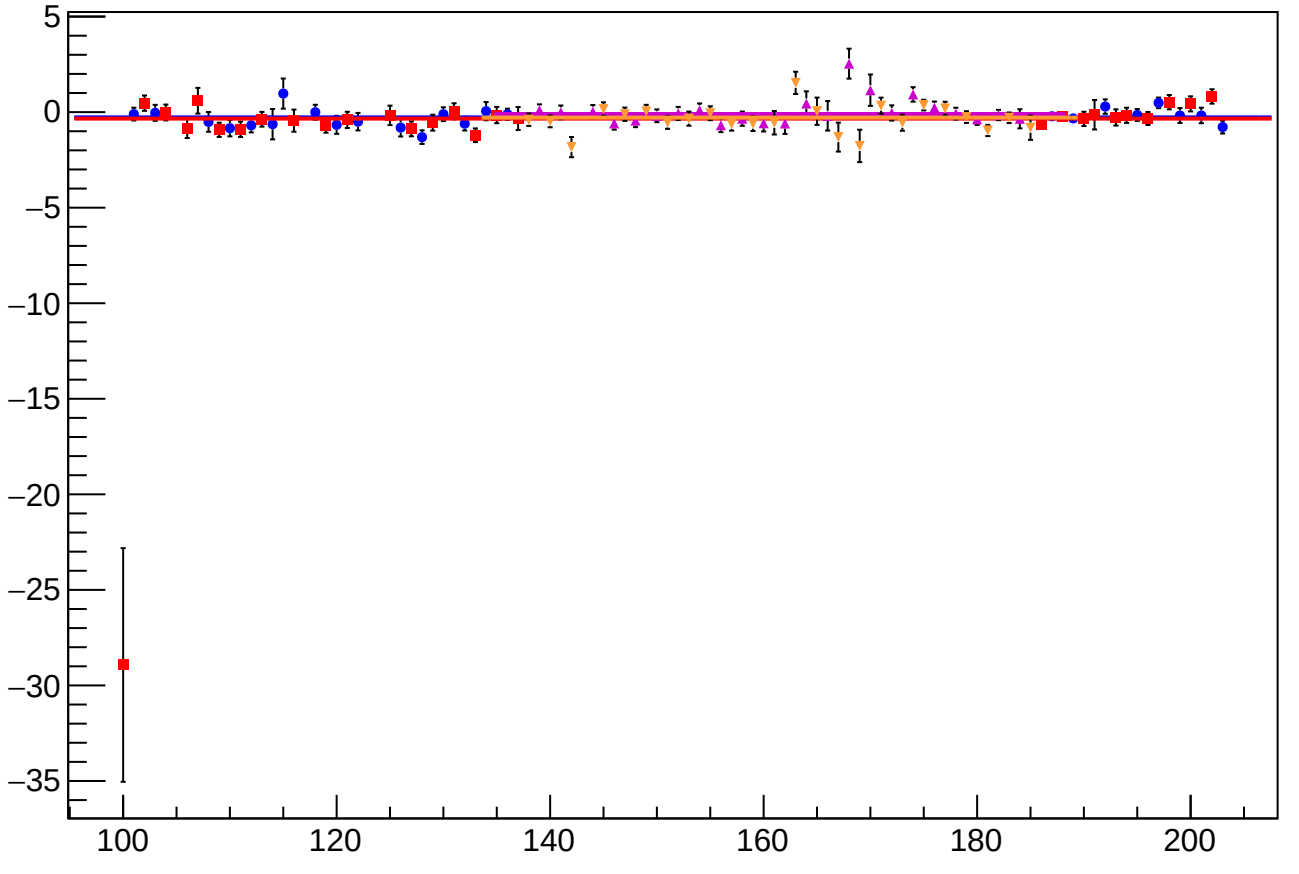
Left: 0.232+/-0.042 χ^2/NDF: 58.7/46

Right: -0.025+/-0.053 χ^2/NDF: 61.8/51

In: 0.111+/-0.048 χ^2/NDF:61.6/46

Out: 0.150+/-0.046 χ^2/NDF:73.1/51

All: 0.131+/-0.033 χ^2/NDF: 135.1/98



Right In: -0.275+/-0.071 χ^2/NDF: 31.8/23

Left Out: -0.286+/-0.077 χ^2/NDF:45.0/23

Right Out: -0.338+/-0.059 χ^2/NDF: 68.5/27

Left In: -0.100+/-0.078 χ^2/NDF:33.2/22

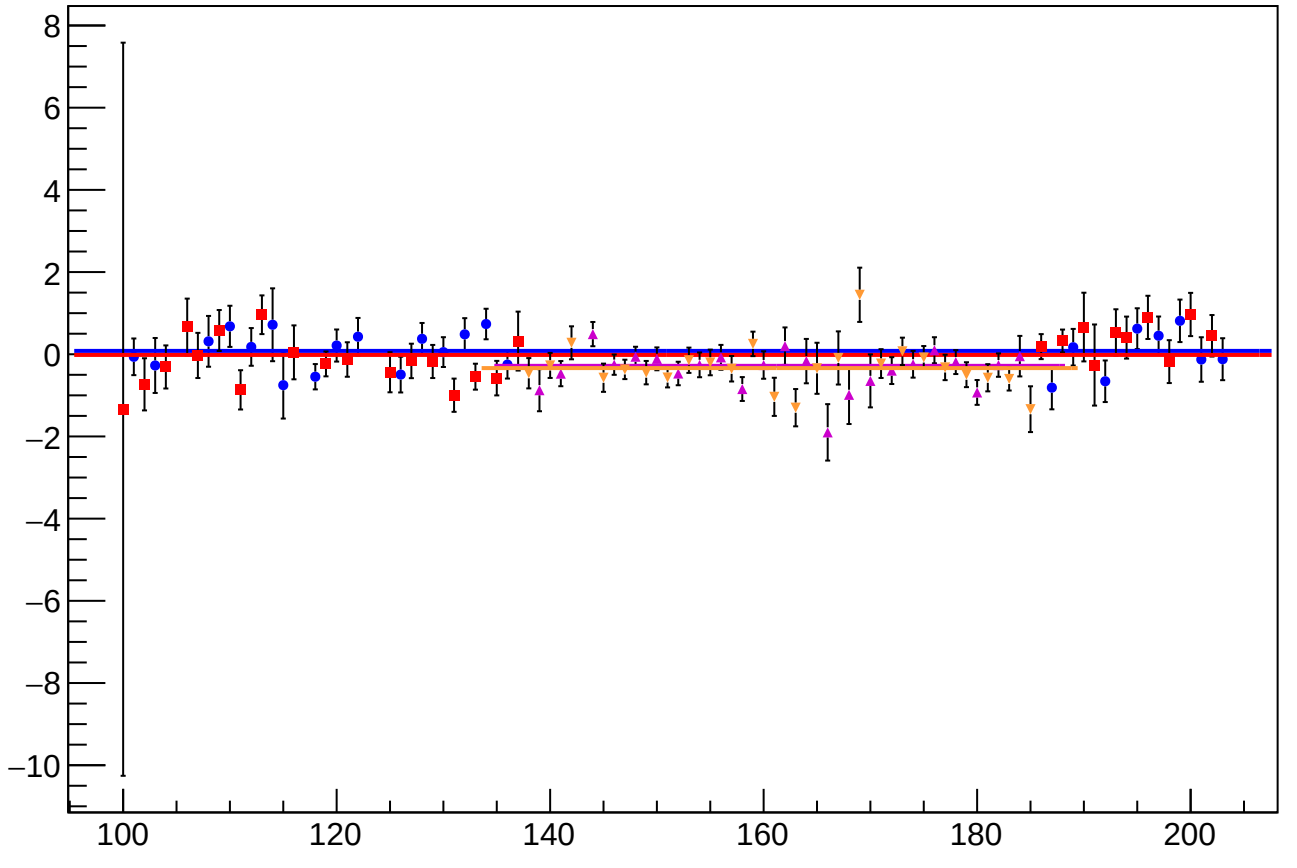
Left: -0.194+/-0.055 χ^2/NDF: 81.1/46

Right: -0.313+/-0.045 χ^2/NDF: 100.8/51

In: -0.195+/-0.053 χ^2/NDF:67.7/46

Out: -0.319+/-0.047 χ^2/NDF:113.9/51

All: -0.265+/-0.035 χ^2/NDF: 184.6/98



Right In: 0.082+/-0.092 χ^2/NDF: 25.0/23

Left Out: -0.337+/-0.068 χ^2/NDF:30.1/23

Right Out: -0.016+/-0.087 χ^2/NDF: 35.6/27

Left In: -0.282+/-0.069 χ^2/NDF:29.0/22

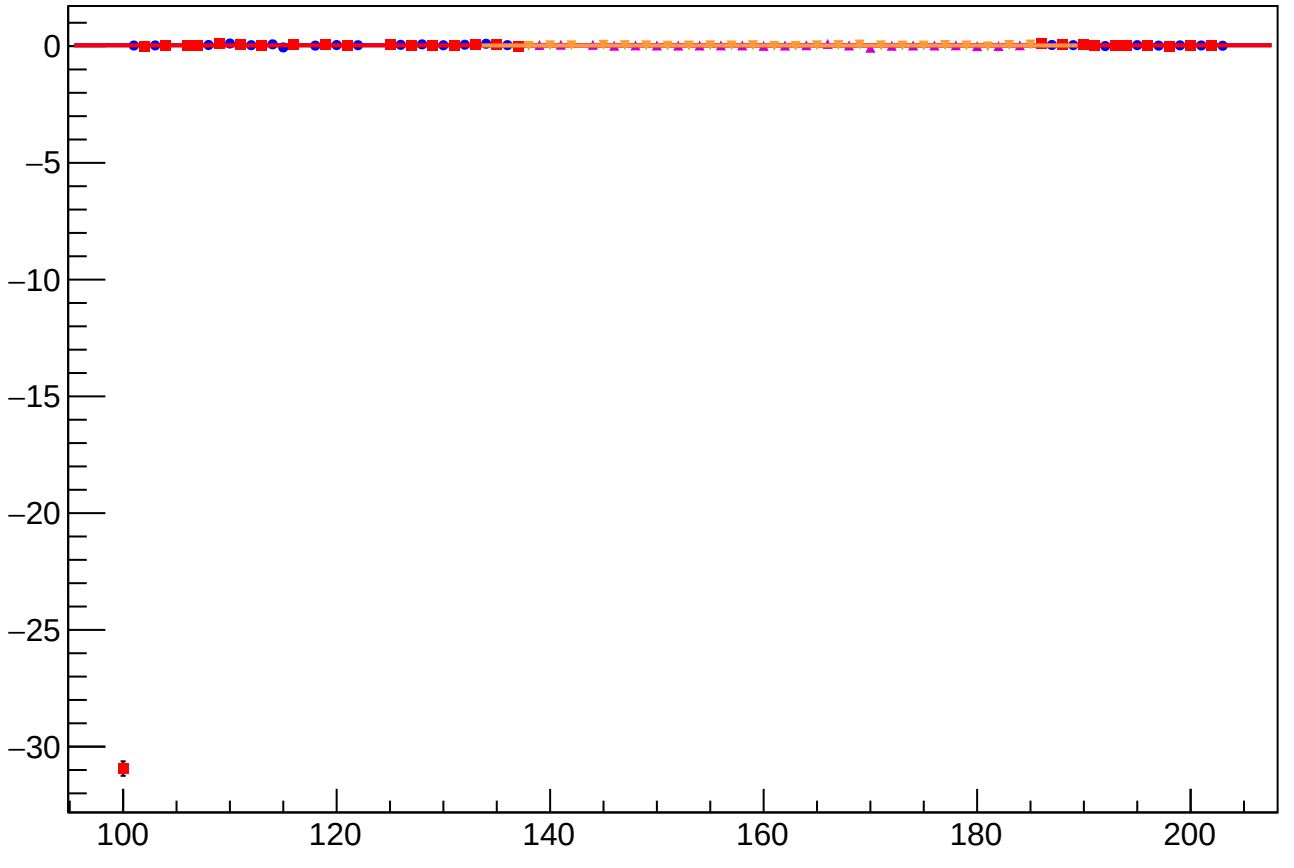
Left: -0.310+/-0.048 χ^2/NDF: 59.4/46

Right: 0.030+/-0.063 χ^2/NDF: 61.2/51

In: -0.152+/-0.055 χ^2/NDF:64.0/46

Out: -0.216+/-0.054 χ^2/NDF:74.1/51

All: -0.185+/-0.038 χ^2/NDF: 138.8/98



Right In: 0.037+/-0.004 χ^2/NDF: 30.2/23

Left Out: 0.028+/-0.003 χ^2/NDF:27.6/23

Right Out: 0.032+/-0.004 χ^2/NDF: 10047.7/27

Left In: 0.029+/-0.003 χ^2/NDF:38.9/22

Left: 0.029+/-0.002 χ^2/NDF: 66.6/46

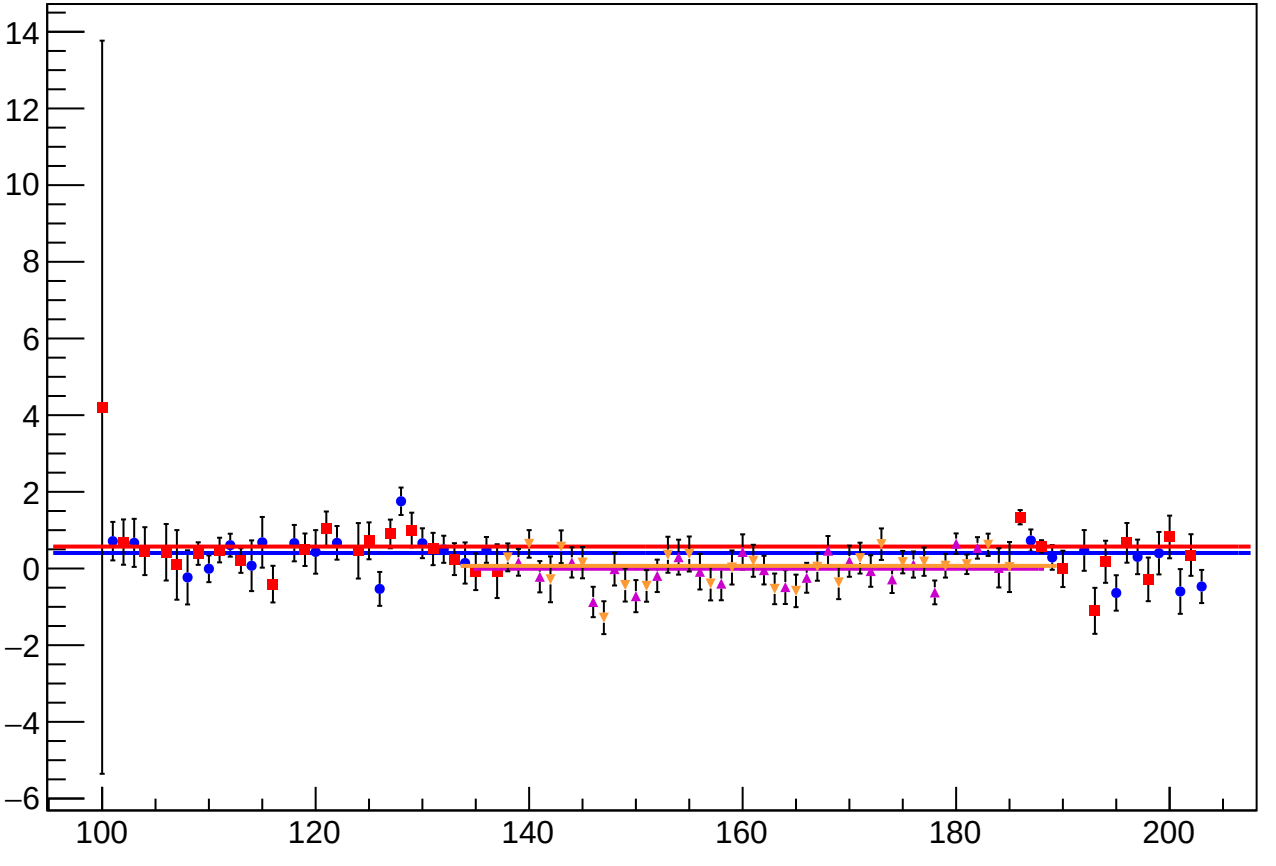
Right: 0.035+/-0.003 χ^2/NDF: 10078.7/51

In: 0.032+/-0.002 χ^2/NDF:71.3/46

Out: 0.029+/-0.002 χ^2/NDF:10075.9/51

All: 0.031+/-0.002 χ^2/NDF: 10147.8/98

reg_asym_dsr_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.405+/-0.087 χ^2/NDF: 37.4/23

Left Out: 0.069+/-0.077 χ^2/NDF:31.1/24

Right Out: 0.572+/-0.074 χ^2/NDF: 42.1/27

Left In: -0.006+/-0.079 χ^2/NDF:28.5/22

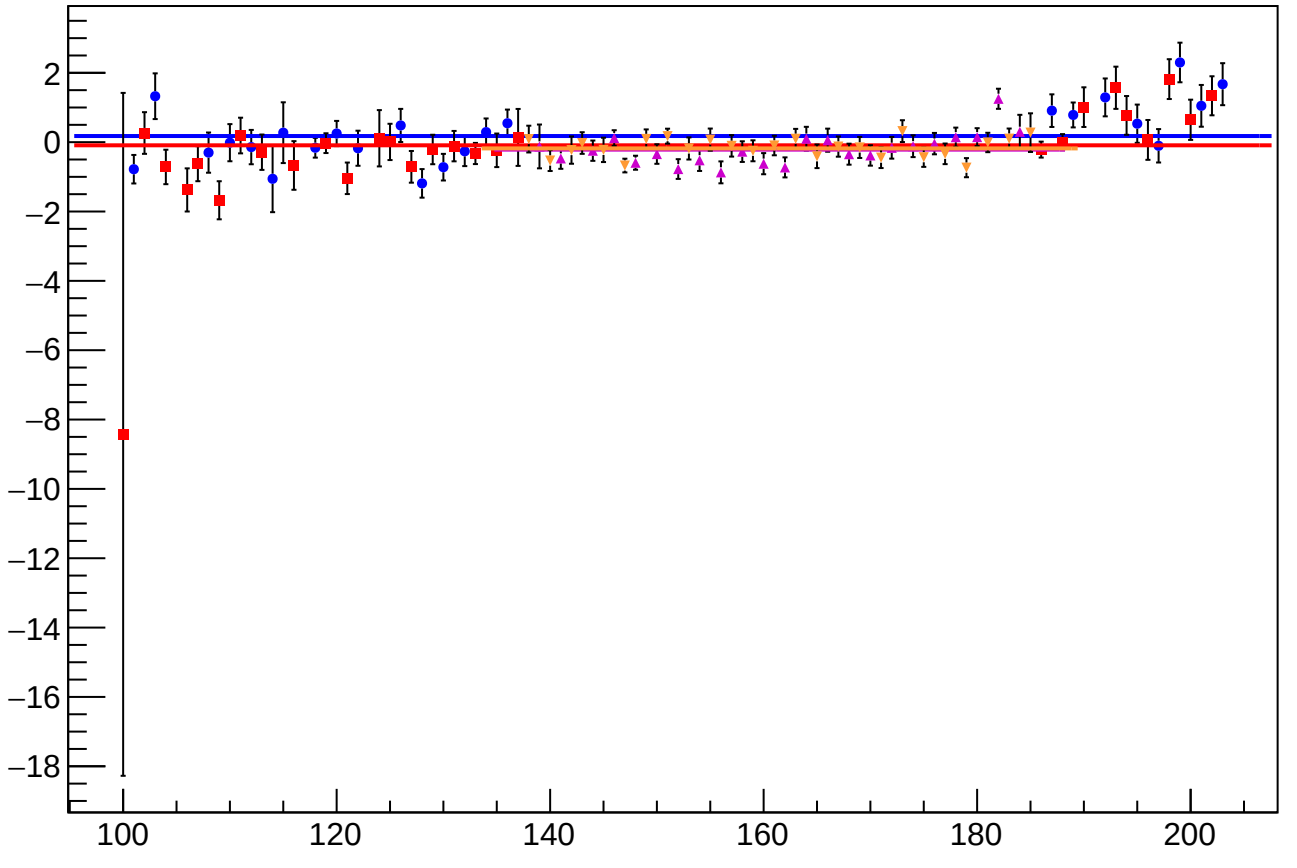
Left: 0.032+/-0.055 χ^2/NDF: 60.1/47

Right: 0.502+/-0.057 χ^2/NDF: 81.6/51

In: 0.180+/-0.059 χ^2/NDF:78.1/46

Out: 0.330+/-0.054 χ^2/NDF:95.3/52

All: 0.262+/-0.040 χ^2/NDF: 176.9/99



Right In: 0.177+/-0.094 χ^2/NDF: 64.3/23

Left Out: -0.180+/-0.059 χ^2/NDF:24.7/24

Right Out: -0.091+/-0.085 χ^2/NDF: 57.9/27

Left In: -0.216+/-0.062 χ^2/NDF:53.6/22

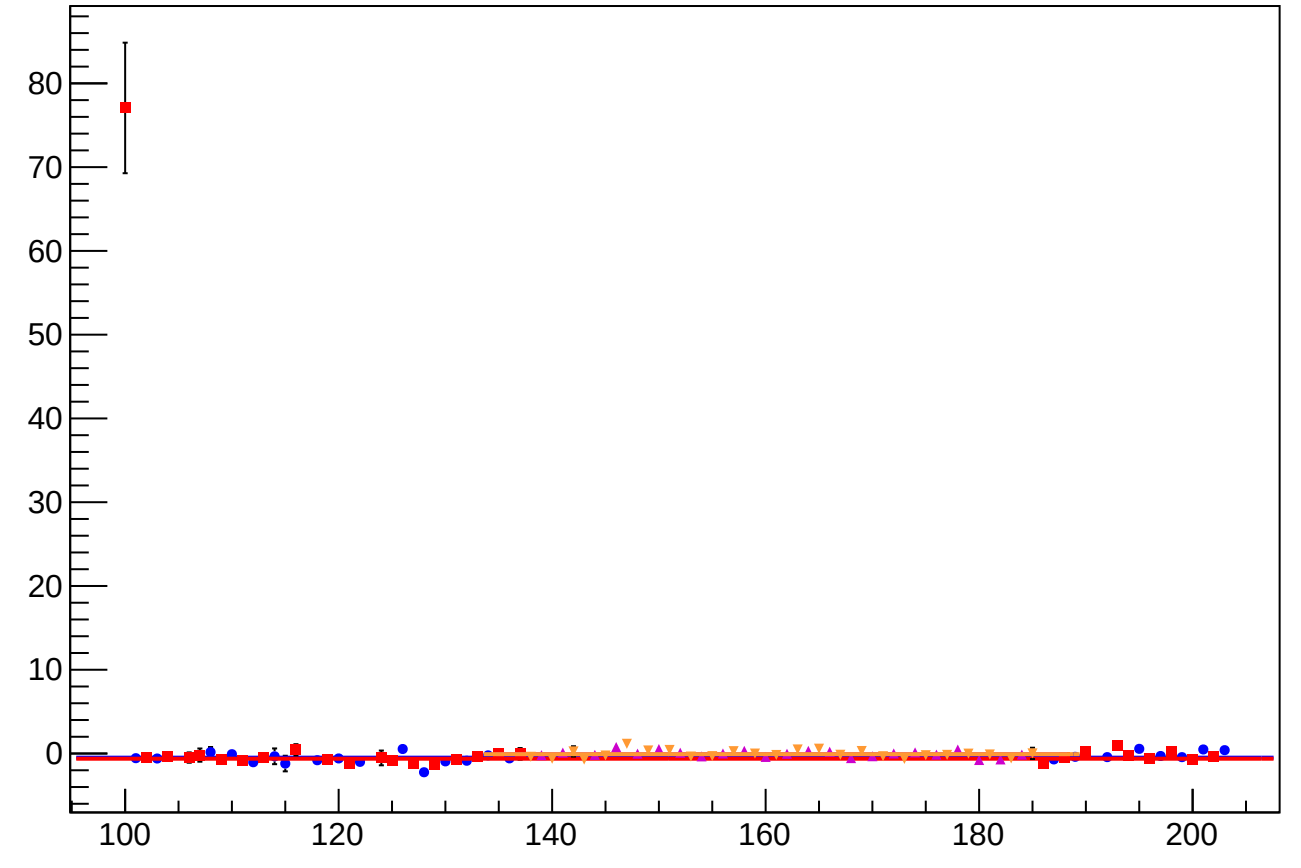
Left: -0.197+/-0.043 χ^2/NDF: 78.5/47

Right: 0.029+/-0.063 χ^2/NDF: 126.6/51

In: -0.099+/-0.052 χ^2/NDF:130.1/46

Out: -0.151+/-0.048 χ^2/NDF:83.3/52

All: -0.126+/-0.035 χ^2/NDF: 213.9/99



Right In: -0.496+/-0.087 χ^2/NDF: 44.0/23

Left Out: -0.077+/-0.077 χ^2/NDF:30.0/24

Right Out: -0.620+/-0.071 χ^2/NDF: 140.3/27

Left In: -0.075+/-0.079 χ^2/NDF:28.3/22

Left: -0.076+/-0.055 χ^2/NDF: 58.3/47

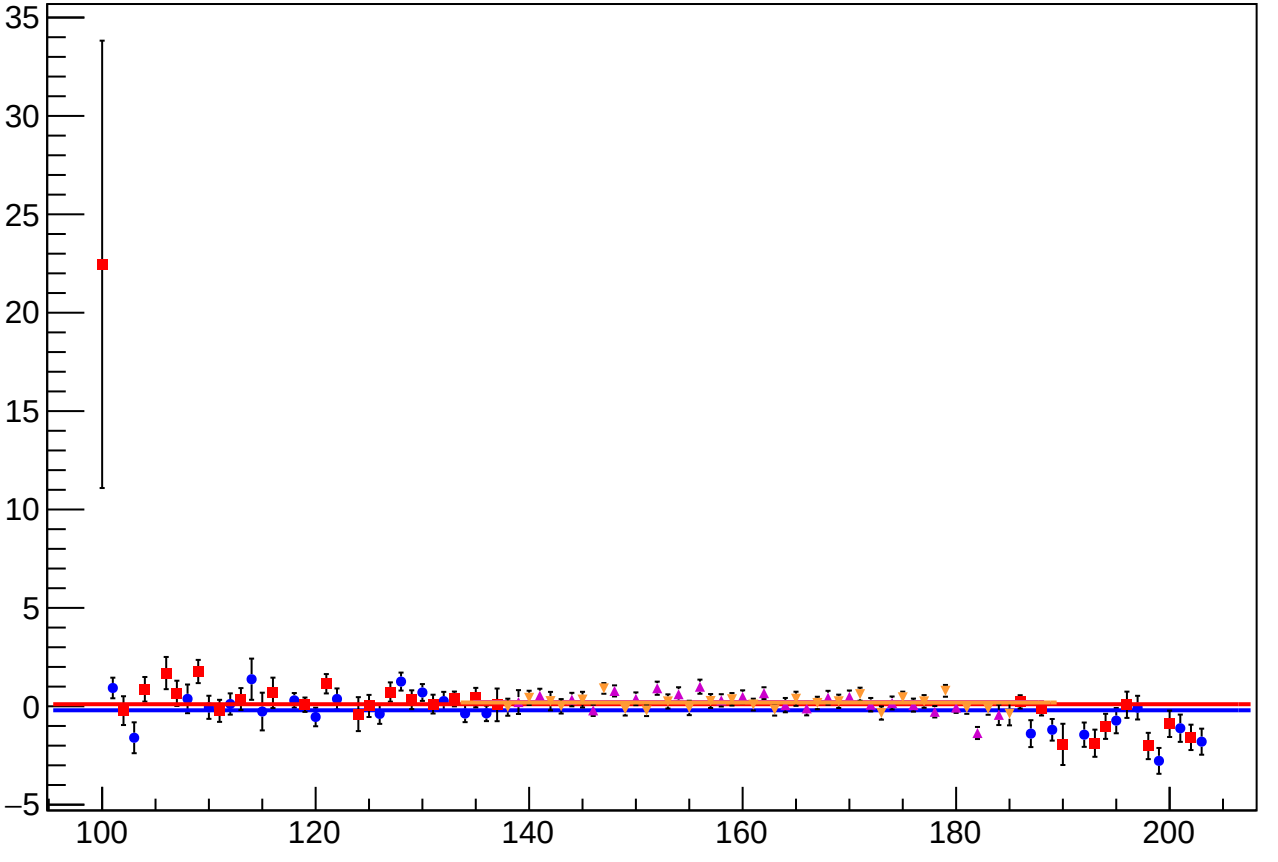
Right: -0.571+/-0.055 χ^2/NDF: 185.5/51

In: -0.263+/-0.058 χ^2/NDF:85.1/46

Out: -0.371+/-0.052 χ^2/NDF:197.4/52

All: -0.324+/-0.039 χ^2/NDF: 284.4/99

reg_asym_dsr_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -0.203+/-0.111 χ^2/NDF: 64.7/23

Left Out: 0.193+/-0.067 χ^2/NDF:25.9/24

Right Out: 0.105+/-0.104 χ^2/NDF: 61.6/27

Left In: 0.215+/-0.069 χ^2/NDF:55.1/22

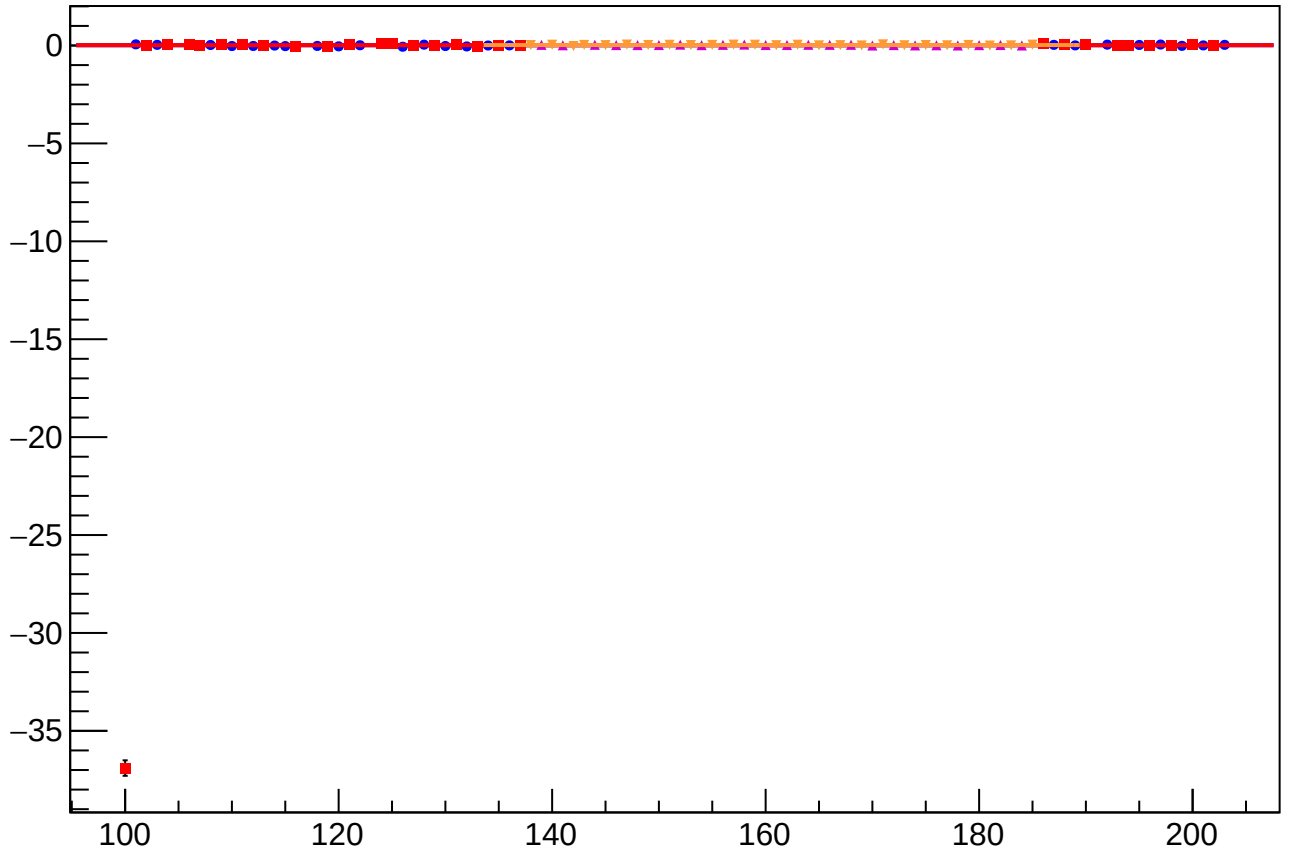
Left: 0.204+/-0.048 χ^2/NDF: 81.0/47

Right: -0.039+/-0.076 χ^2/NDF: 130.4/51

In: 0.098+/-0.059 χ^2/NDF:130.0/46

Out: 0.167+/-0.056 χ^2/NDF:88.0/52

All: 0.134+/-0.041 χ^2/NDF: 218.7/99



Right In: 0.013+/-0.005 χ^2/NDF: 28.5/23

Left Out: 0.024+/-0.003 χ^2/NDF:30.2/24

Right Out: 0.016+/-0.005 χ^2/NDF: 8777.8/27

Left In: 0.024+/-0.003 χ^2/NDF:18.0/22

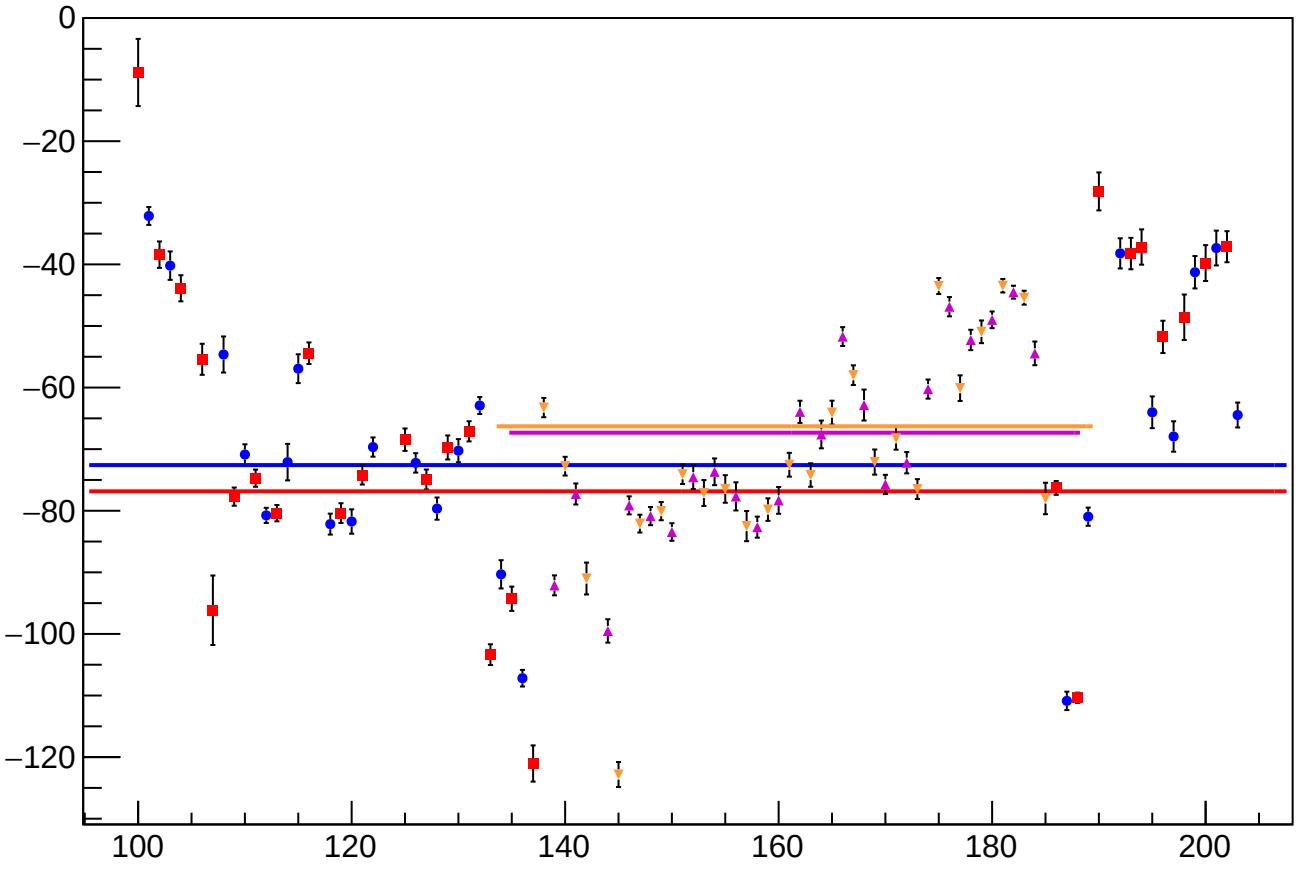
Left: 0.024+/-0.002 χ^2/NDF: 48.2/47

Right: 0.015+/-0.004 χ^2/NDF: 8806.5/51

In: 0.022+/-0.003 χ^2/NDF:49.6/46

Out: 0.022+/-0.003 χ^2/NDF:8809.7/52

All: 0.022+/-0.002 χ^2/NDF: 8859.4/99



Right In: -72.588+/-0.371 χ^2/NDF: 3150.2/23

Left Out: -66.289+/-0.344 χ^2/NDF:2550.4/23

Right Out: -76.848+/-0.343 χ^2/NDF: 4476.3/26

Left In: -67.331+/-0.345 χ^2/NDF:2102.6/22

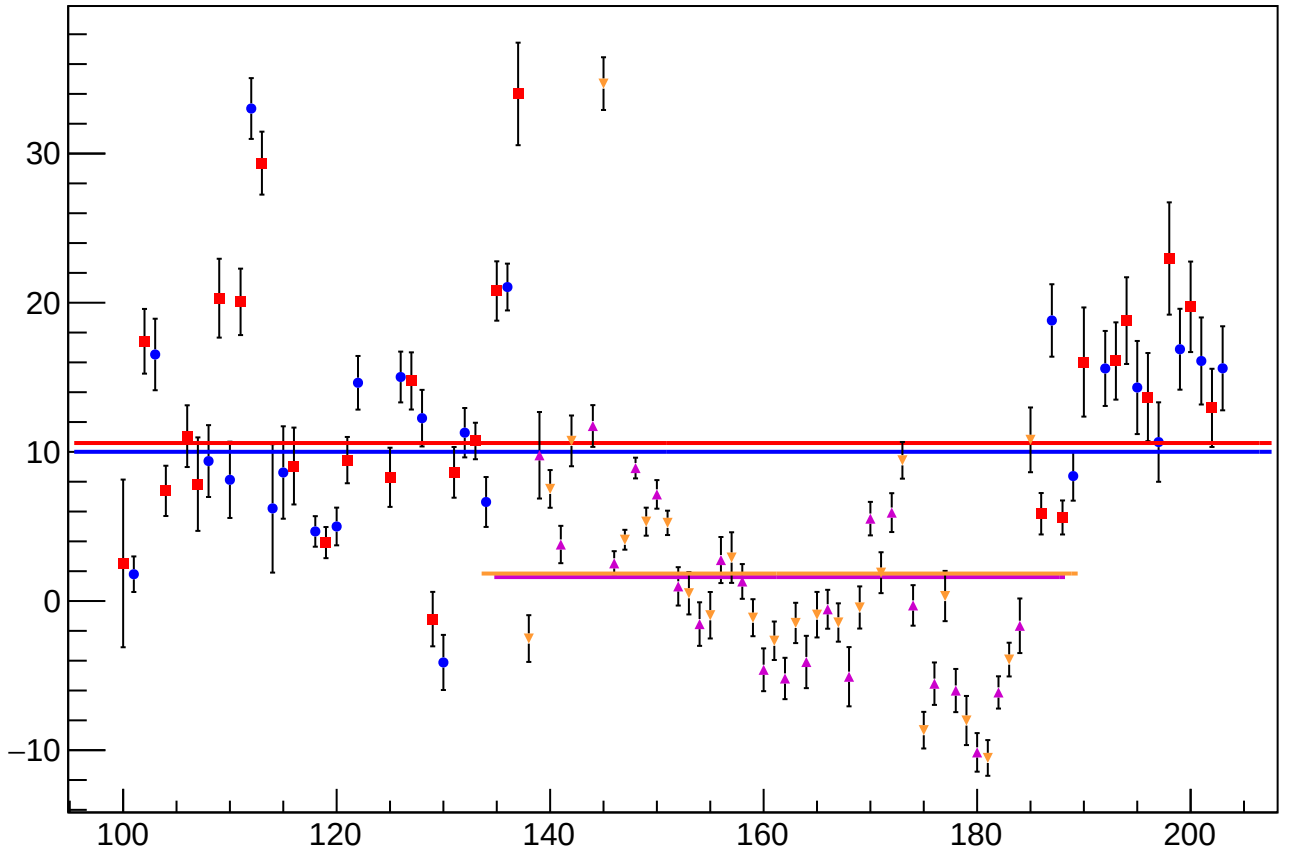
Left: -66.808+/-0.244 χ^2/NDF: 4657.6/46

Right: -74.888+/-0.252 χ^2/NDF: 7697.6/50

In: -69.769+/-0.253 χ^2/NDF:5360.4/46

Out: -71.588+/-0.243 χ^2/NDF:7500.1/50

All: -70.715+/-0.175 χ^2/NDF: 12887.4/97



Right In: 10.004+/-0.382 χ^2/NDF: 391.8/23

Left Out: 1.842+/-0.254 χ^2/NDF:781.5/23

Right Out: 10.593+/-0.372 χ^2/NDF: 357.9/26

Left In: 1.605+/-0.258 χ^2/NDF:496.6/22

Left: 1.726+/-0.181 χ^2/NDF: 1278.5/46

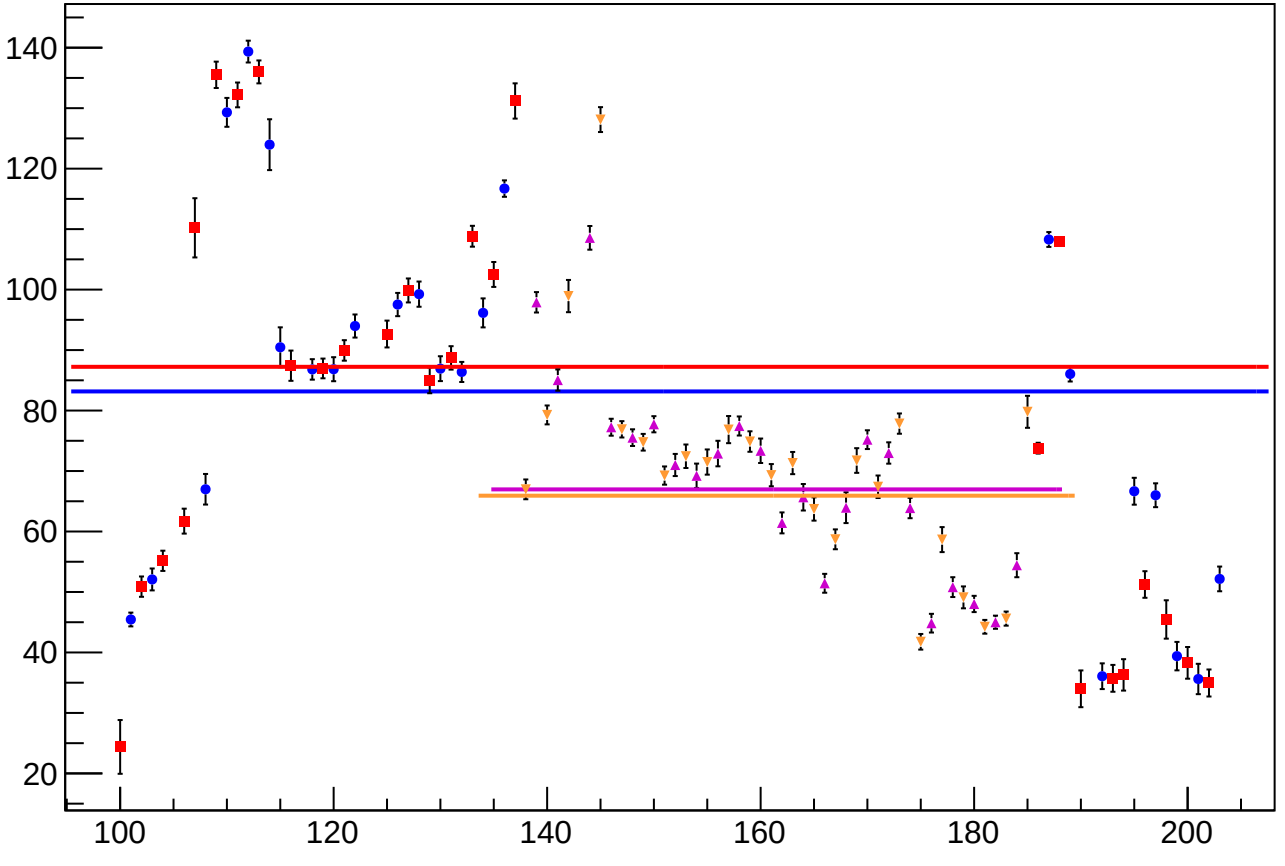
Right: 10.307+/-0.266 χ^2/NDF: 750.9/50

In: 4.242+/-0.214 χ^2/NDF:1220.0/46

Out: 4.633+/-0.210 χ^2/NDF:1516.6/50

All: 4.441+/-0.150 χ^2/NDF: 2738.3/97

reg_asym_us_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 83.162+/-0.375 χ^2/NDF: 5653.5/23

Left Out: 65.923+/-0.341 χ^2/NDF:2555.6/23

Right Out: 87.232+/-0.335 χ^2/NDF: 7096.4/26

Left In: 66.964+/-0.341 χ^2/NDF:2221.3/22

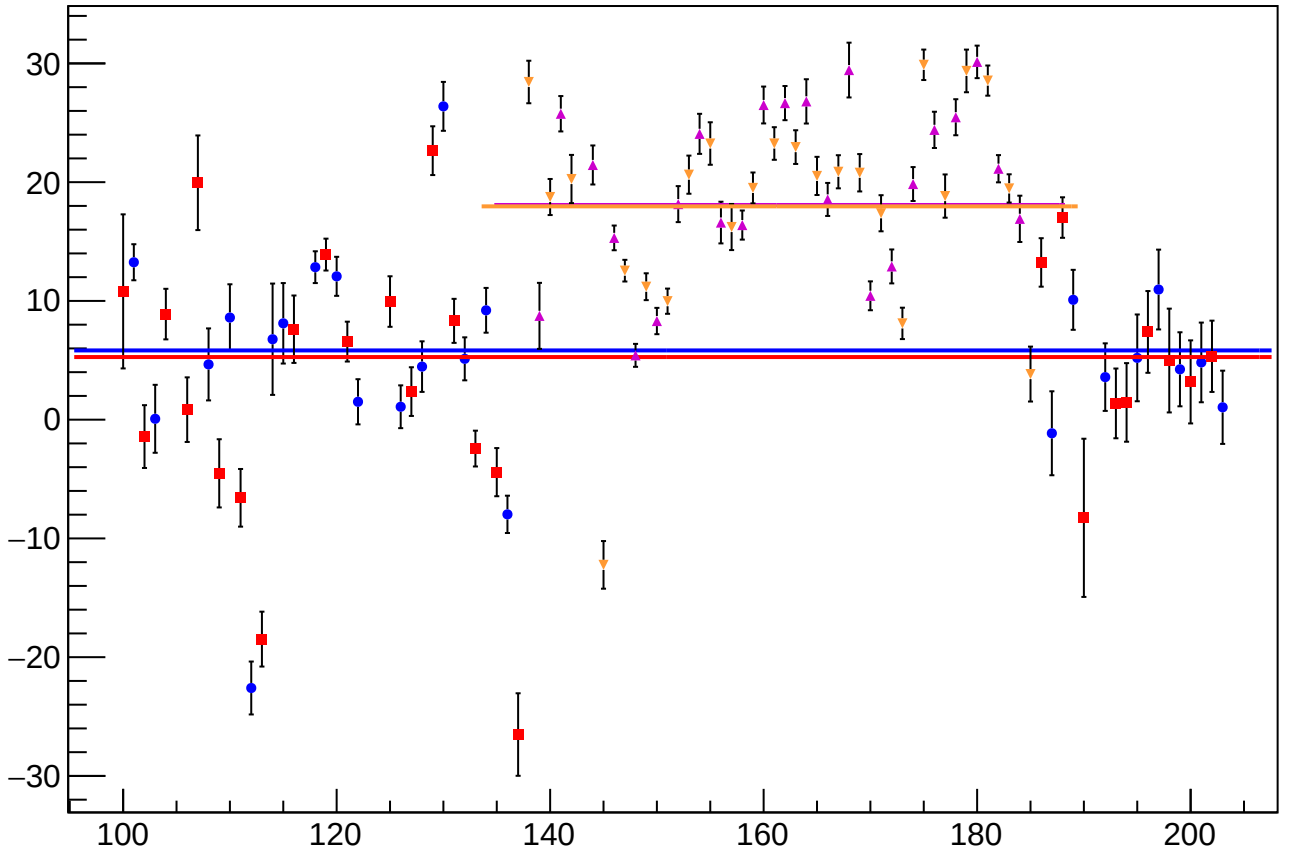
Left: 66.442+/-0.241 χ^2/NDF: 4781.6/46

Right: 85.423+/-0.250 χ^2/NDF: 12815.4/50

In: 74.307+/-0.252 χ^2/NDF:8896.4/46

Out: 76.747+/-0.239 χ^2/NDF:11641.2/50

All: 75.594+/-0.173 χ^2/NDF: 20587.0/97



Right In: 5.831+/-0.451 χ^2/NDF: 439.3/23

Left Out: 17.963+/-0.292 χ^2/NDF:732.1/23

Right Out: 5.274+/-0.448 χ^2/NDF: 494.4/26

Left In: 18.079+/-0.295 χ^2/NDF:605.0/22

Left: 18.020+/-0.207 χ^2/NDF: 1337.2/46

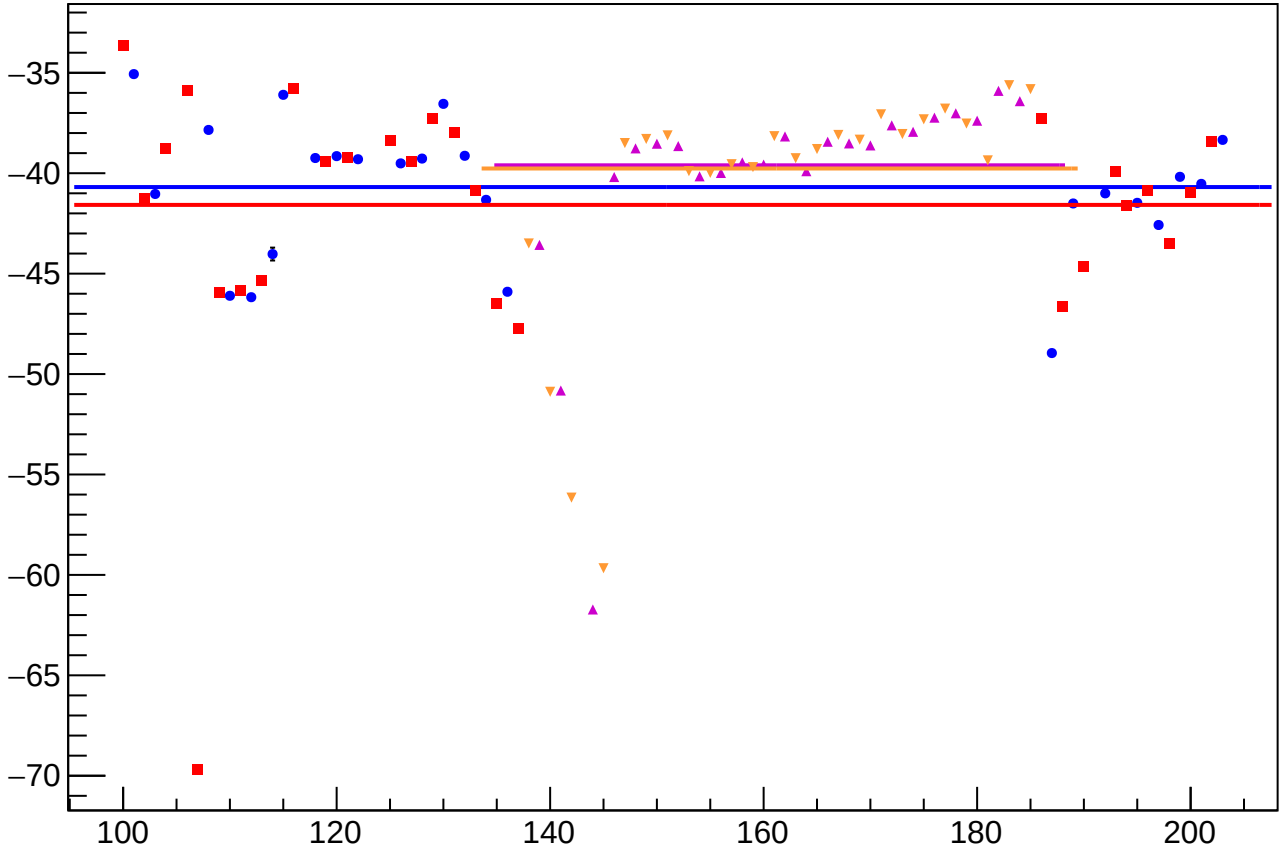
Right: 5.550+/-0.318 χ^2/NDF: 934.5/50

In: 14.417+/-0.247 χ^2/NDF:1560.4/46

Out: 14.175+/-0.245 χ^2/NDF:1790.5/50

All: 14.295+/-0.174 χ^2/NDF: 3351.4/97

reg_asym_us_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -40.689+/-0.023 χ^2/NDF: 20790.4/23

Left Out: -39.765+/-0.013 χ^2/NDF:129895.4/23

Right Out: -41.578+/-0.023 χ^2/NDF: 43151.2/26

Left In: -39.606+/-0.013 χ^2/NDF:106639.2/22

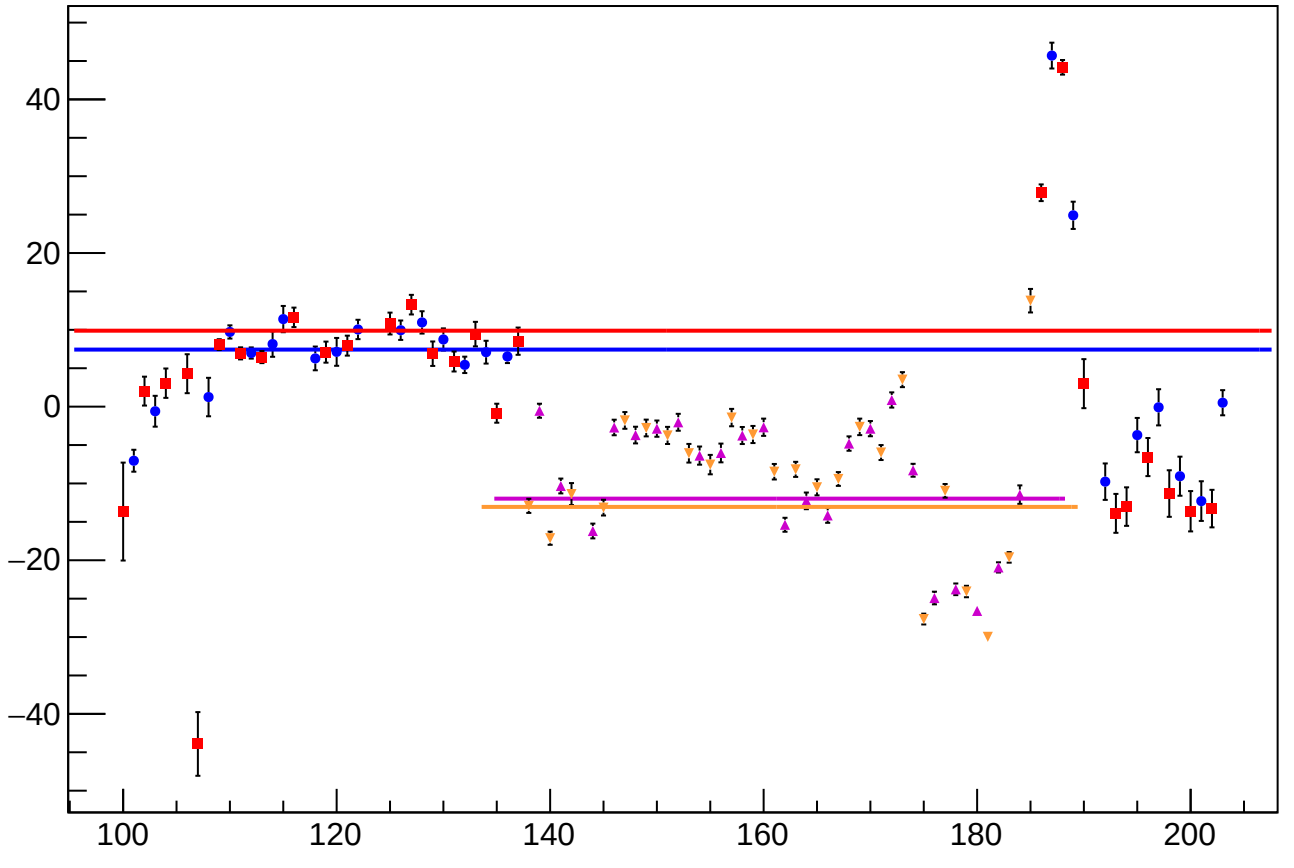
Left: -39.685+/-0.009 χ^2/NDF: 236604.6/46

Right: -41.137+/-0.016 χ^2/NDF: 64714.9/50

In: -39.886+/-0.012 χ^2/NDF:129120.8/46

Out: -40.243+/-0.012 χ^2/NDF:177821.6/50

All: -40.064+/-0.008 χ^2/NDF: 307422.7/97



Right In: 7.428+/-0.284 χ^2/NDF: 979.1/23

Left Out: -13.054+/-0.193 χ^2/NDF:2868.1/23

Right Out: 9.888+/-0.265 χ^2/NDF: 2375.3/26

Left In: -11.978+/-0.195 χ^2/NDF:2176.6/22

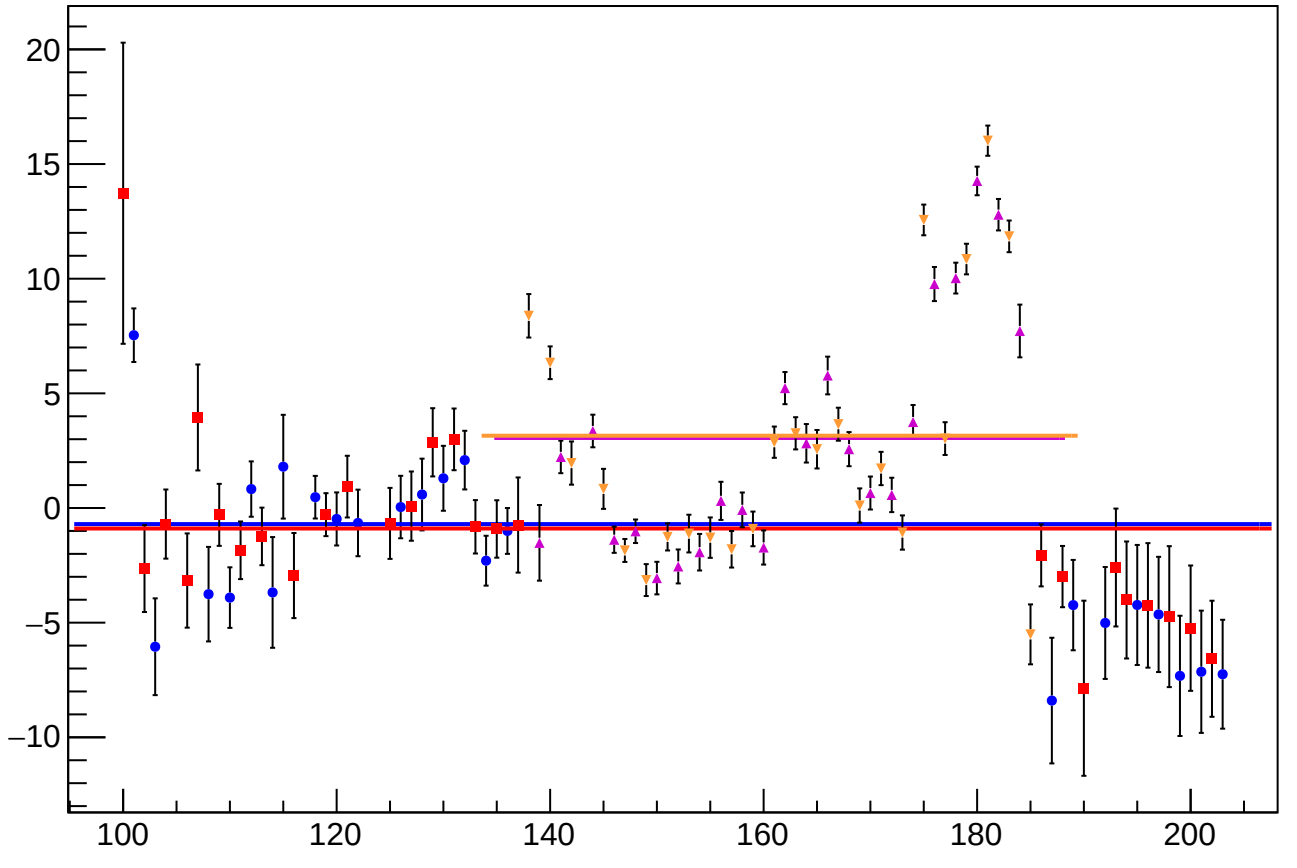
Left: -12.524+/-0.137 χ^2/NDF: 5060.1/46

Right: 8.743+/-0.194 χ^2/NDF: 3394.4/50

In: -5.751+/-0.161 χ^2/NDF:6317.8/46

Out: -5.130+/-0.156 χ^2/NDF:10135.5/50

All: -5.431+/-0.112 χ^2/NDF: 16461.0/97



Right In: -0.702+/-0.310 χ^2/NDF: 118.4/23

Left Out: 3.153+/-0.149 χ^2/NDF:1385.1/23

Right Out: -0.894+/-0.309 χ^2/NDF: 50.1/26

Left In: 3.055+/-0.152 χ^2/NDF:1145.0/22

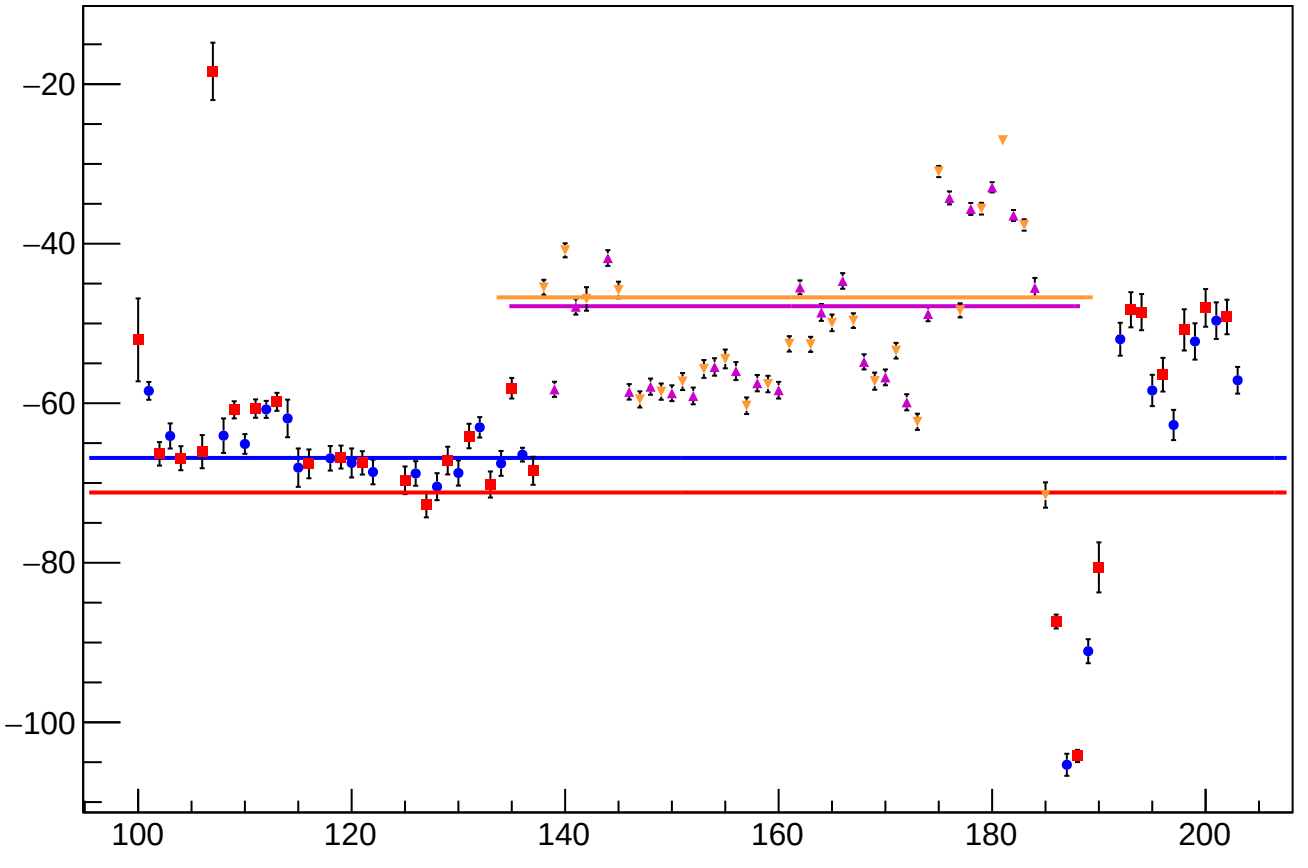
Left: 3.105+/-0.106 χ^2/NDF: 2530.3/46

Right: -0.798+/-0.219 χ^2/NDF: 168.7/50

In: 2.326+/-0.136 χ^2/NDF:1382.1/46

Out: 2.390+/-0.134 χ^2/NDF:1574.0/50

All: 2.358+/-0.096 χ^2/NDF: 2956.1/97



Right In: -66.857+/-0.309 χ^2/NDF: 1359.5/23

Left Out: -46.724+/-0.192 χ^2/NDF:3446.1/23

Right Out: -71.193+/-0.289 χ^2/NDF: 3415.2/26

Left In: -47.835+/-0.194 χ^2/NDF:2557.6/22

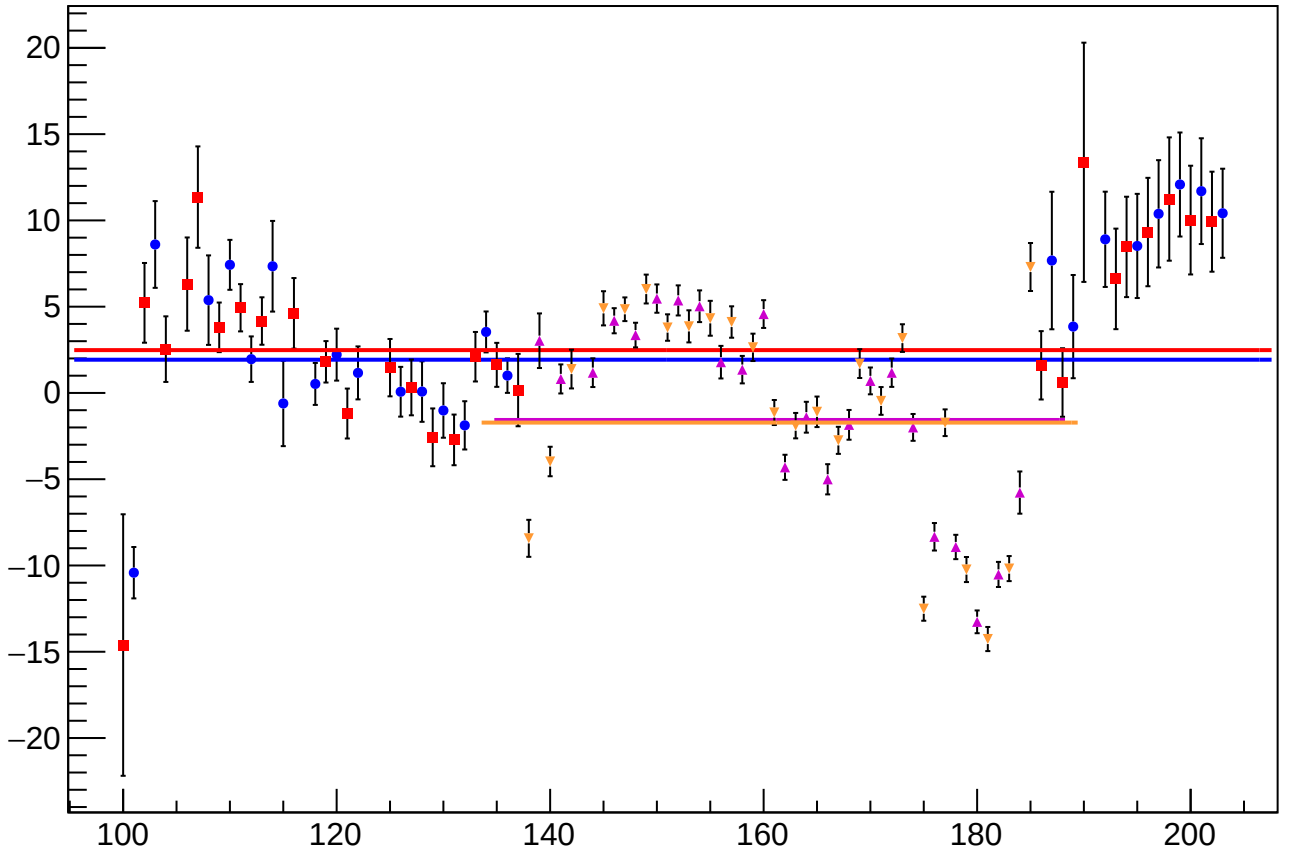
Left: -47.273+/-0.136 χ^2/NDF: 6020.3/46

Right: -69.173+/-0.211 χ^2/NDF: 4879.7/50

In: -53.201+/-0.164 χ^2/NDF:6633.4/46

Out: -54.199+/-0.160 χ^2/NDF:11846.1/50

All: -53.714+/-0.114 χ^2/NDF: 18498.5/97



Right In: 1.926+/-0.354 χ^2/NDF: 168.6/23

Left Out: -1.718+/-0.168 χ^2/NDF:1406.1/23

Right Out: 2.482+/-0.359 χ^2/NDF: 89.5/26

Left In: -1.567+/-0.171 χ^2/NDF:1117.7/22

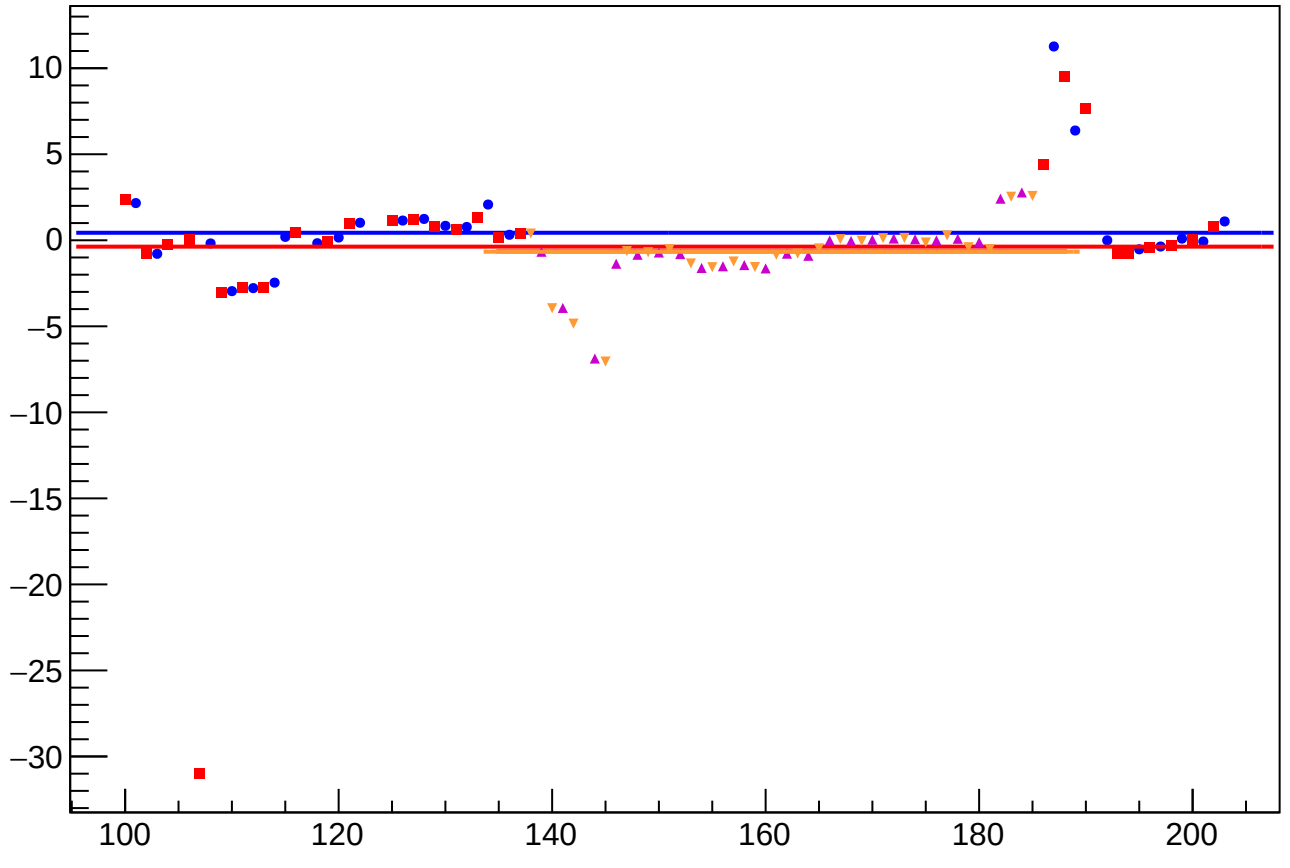
Left: -1.644+/-0.120 χ^2/NDF: 2524.2/46

Right: 2.200+/-0.252 χ^2/NDF: 259.3/50

In: -0.909+/-0.154 χ^2/NDF:1365.3/46

Out: -0.966+/-0.152 χ^2/NDF:1607.8/50

All: -0.937+/-0.108 χ^2/NDF: 2973.1/97



Right In: 0.437+/-0.018 χ^2/NDF: 9709.4/23

Left Out: -0.666+/-0.008 χ^2/NDF:55276.7/23

Right Out: -0.370+/-0.018 χ^2/NDF: 60168.4/26

Left In: -0.646+/-0.008 χ^2/NDF:45569.5/22

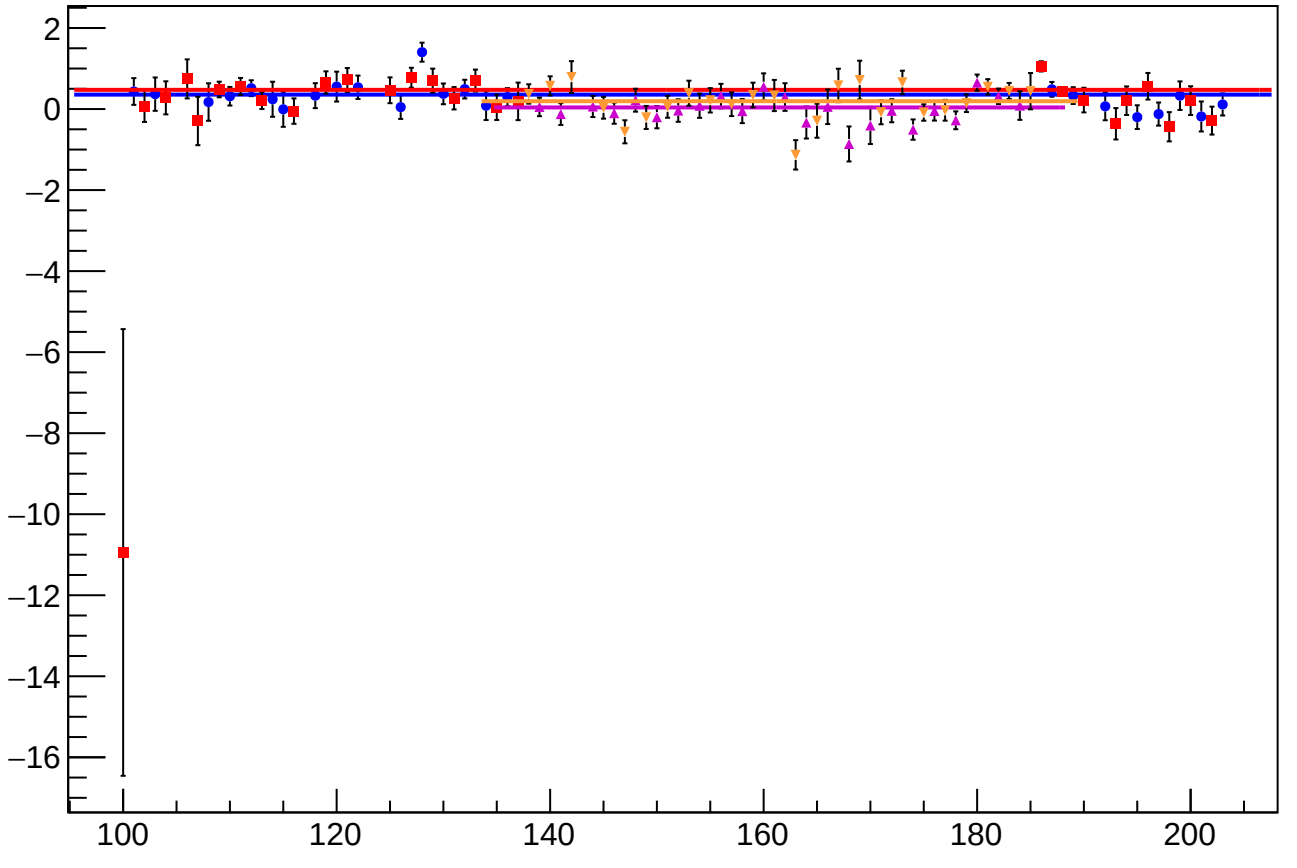
Left: -0.656+/-0.005 χ^2/NDF: 100849.5/46

Right: 0.041+/-0.013 χ^2/NDF: 70849.4/50

In: -0.486+/-0.007 χ^2/NDF:58322.5/46

Out: -0.624+/-0.007 χ^2/NDF:115663.8/50

All: -0.555+/-0.005 χ^2/NDF: 174182.3/97



Right In: 0.356+/-0.057 χ^2/NDF: 35.1/23

Left Out: 0.194+/-0.057 χ^2/NDF:44.2/23

Right Out: 0.474+/-0.049 χ^2/NDF: 57.8/26

Left In: 0.039+/-0.058 χ^2/NDF:30.5/22

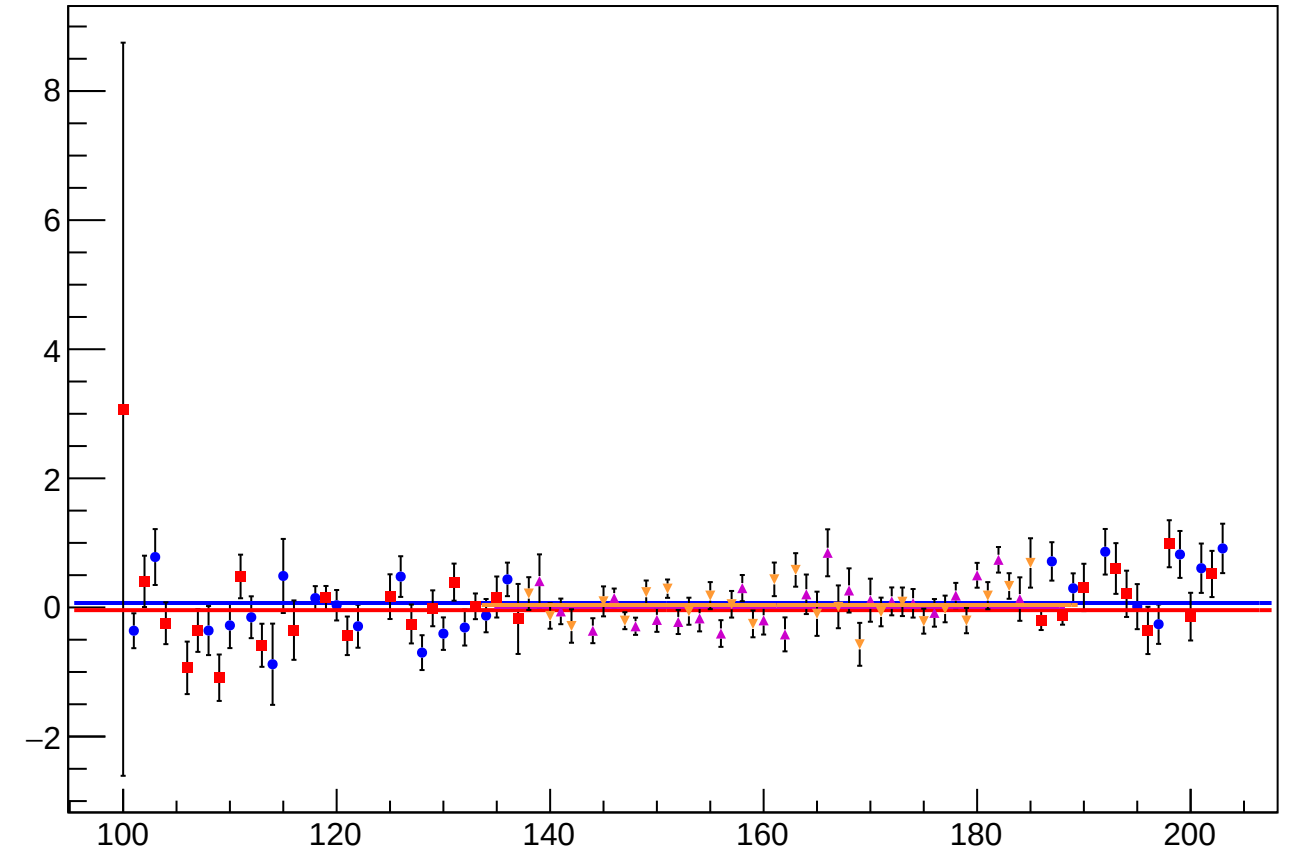
Left: 0.118+/-0.040 χ^2/NDF: 78.4/46

Right: 0.424+/-0.037 χ^2/NDF: 95.3/50

In: 0.201+/-0.040 χ^2/NDF:81.0/46

Out: 0.355+/-0.037 χ^2/NDF:116.0/50

All: 0.285+/-0.027 χ^2/NDF: 204.9/97



Right In: 0.069+/-0.061 χ^2/NDF: 52.9/23

Left Out: 0.038+/-0.043 χ^2/NDF:32.8/23

Right Out: -0.042+/-0.056 χ^2/NDF: 44.8/26

Left In: 0.008+/-0.044 χ^2/NDF:51.4/22

Left: 0.023+/-0.031 χ^2/NDF: 84.4/46

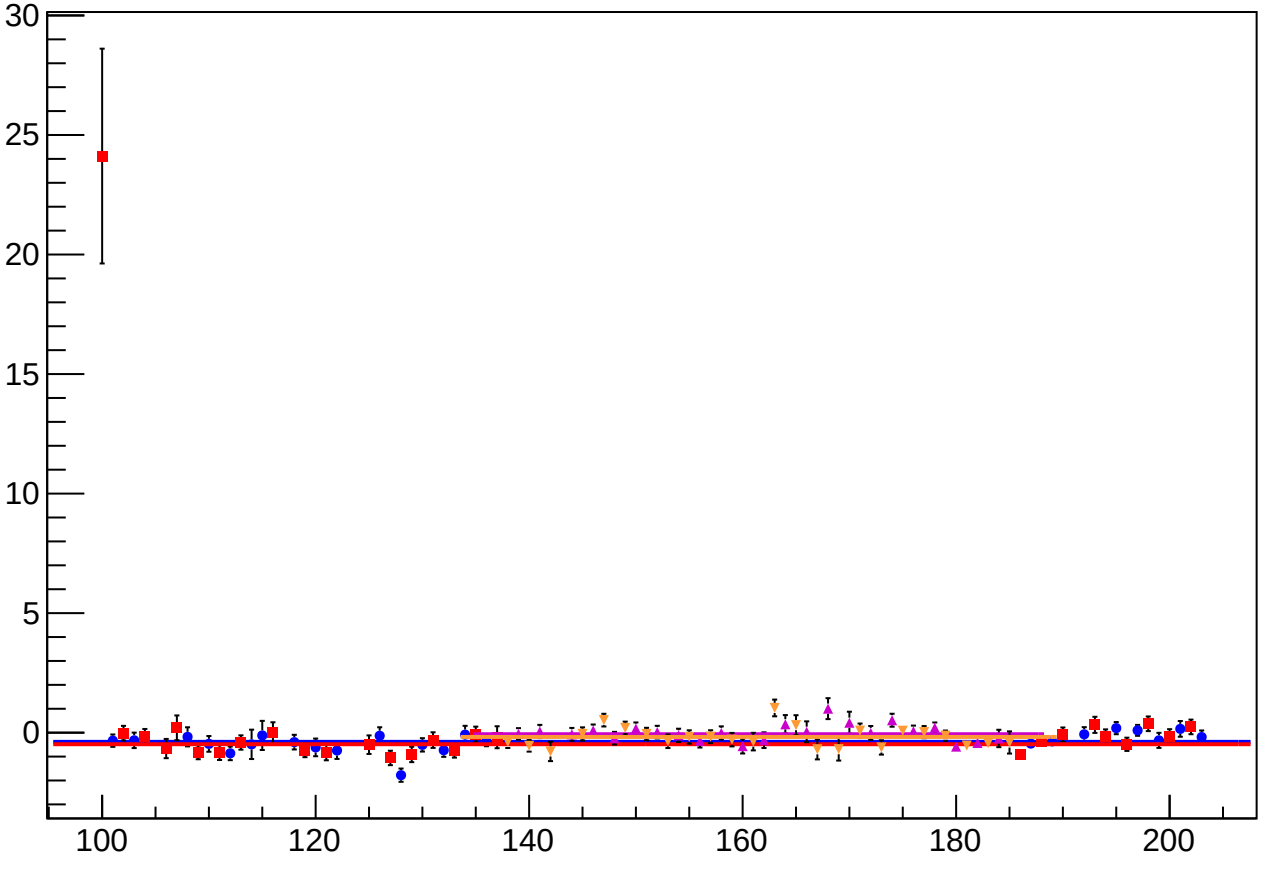
Right: 0.008+/-0.041 χ^2/NDF: 99.5/50

In: 0.029+/-0.036 χ^2/NDF:105.0/46

Out: 0.008+/-0.034 χ^2/NDF:78.9/50

All: 0.018+/-0.025 χ^2/NDF: 184.0/97

reg_asym_ds_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -0.385+/-0.056 χ^2/NDF: 47.3/23

Left Out: -0.178+/-0.056 χ^2/NDF:42.1/23

Right Out: -0.483+/-0.046 χ^2/NDF: 90.2/26

Left In: -0.066+/-0.057 χ^2/NDF:31.4/22

Left: -0.123+/-0.040 χ^2/NDF: 75.5/46

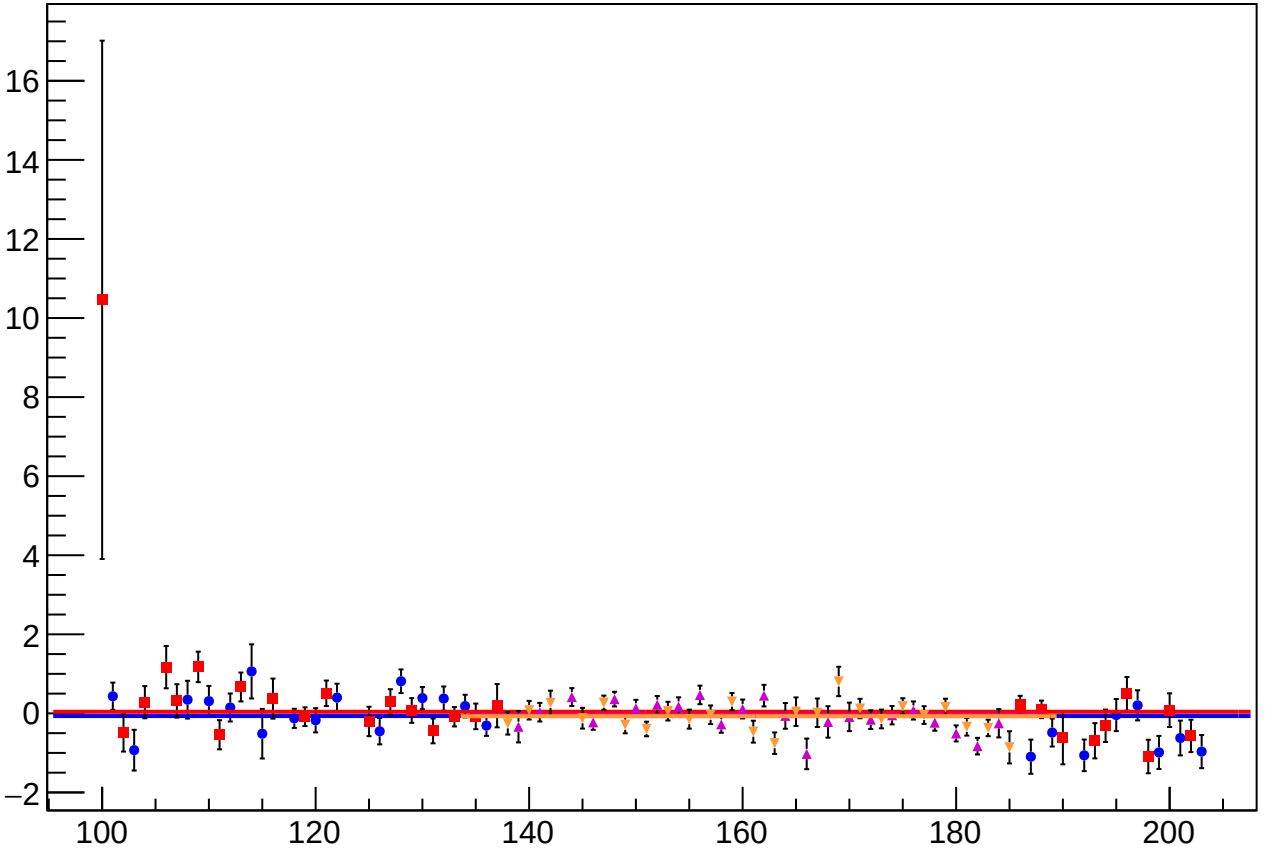
Right: -0.443+/-0.036 χ^2/NDF: 139.3/50

In: -0.226+/-0.040 χ^2/NDF:94.5/46

Out: -0.360+/-0.036 χ^2/NDF:149.9/50

All: -0.301+/-0.027 χ^2/NDF: 250.6/97

reg_asym_ds_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -0.067+/-0.072 χ^2/NDF: 53.3/23

Left Out: -0.072+/-0.049 χ^2/NDF:37.7/23

Right Out: 0.040+/-0.068 χ^2/NDF: 45.3/26

Left In: -0.047+/-0.050 χ^2/NDF:50.5/22

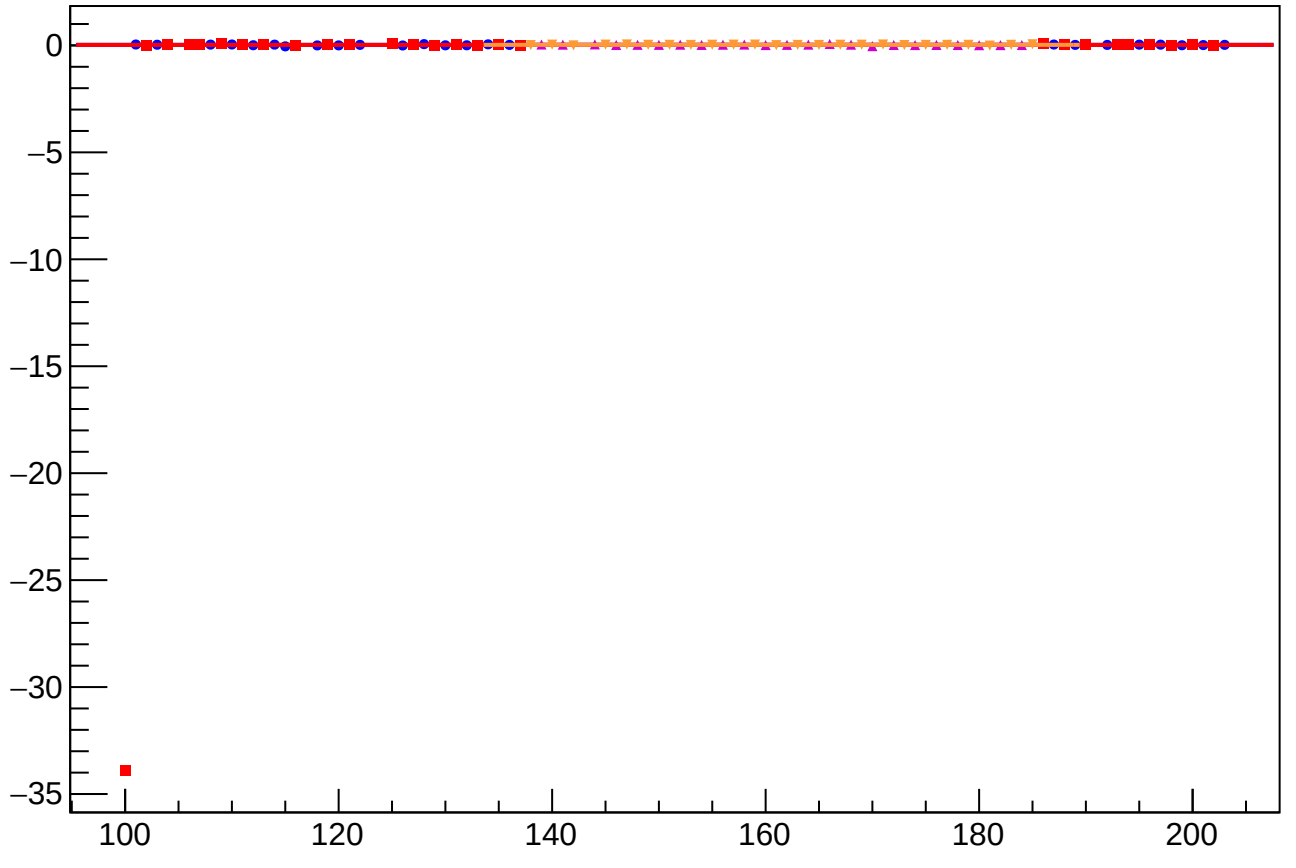
Left: -0.060+/-0.035 χ^2/NDF: 88.3/46

Right: -0.010+/-0.050 χ^2/NDF: 99.8/50

In: -0.054+/-0.041 χ^2/NDF:103.8/46

Out: -0.033+/-0.040 χ^2/NDF:84.8/50

All: -0.043+/-0.029 χ^2/NDF: 188.7/97



Right In: 0.026+/-0.003 χ^2/NDF: 19.2/23

Left Out: 0.026+/-0.002 χ^2/NDF:31.4/23

Right Out: 0.023+/-0.003 χ^2/NDF: 22308.2/26

Left In: 0.026+/-0.002 χ^2/NDF:39.5/22

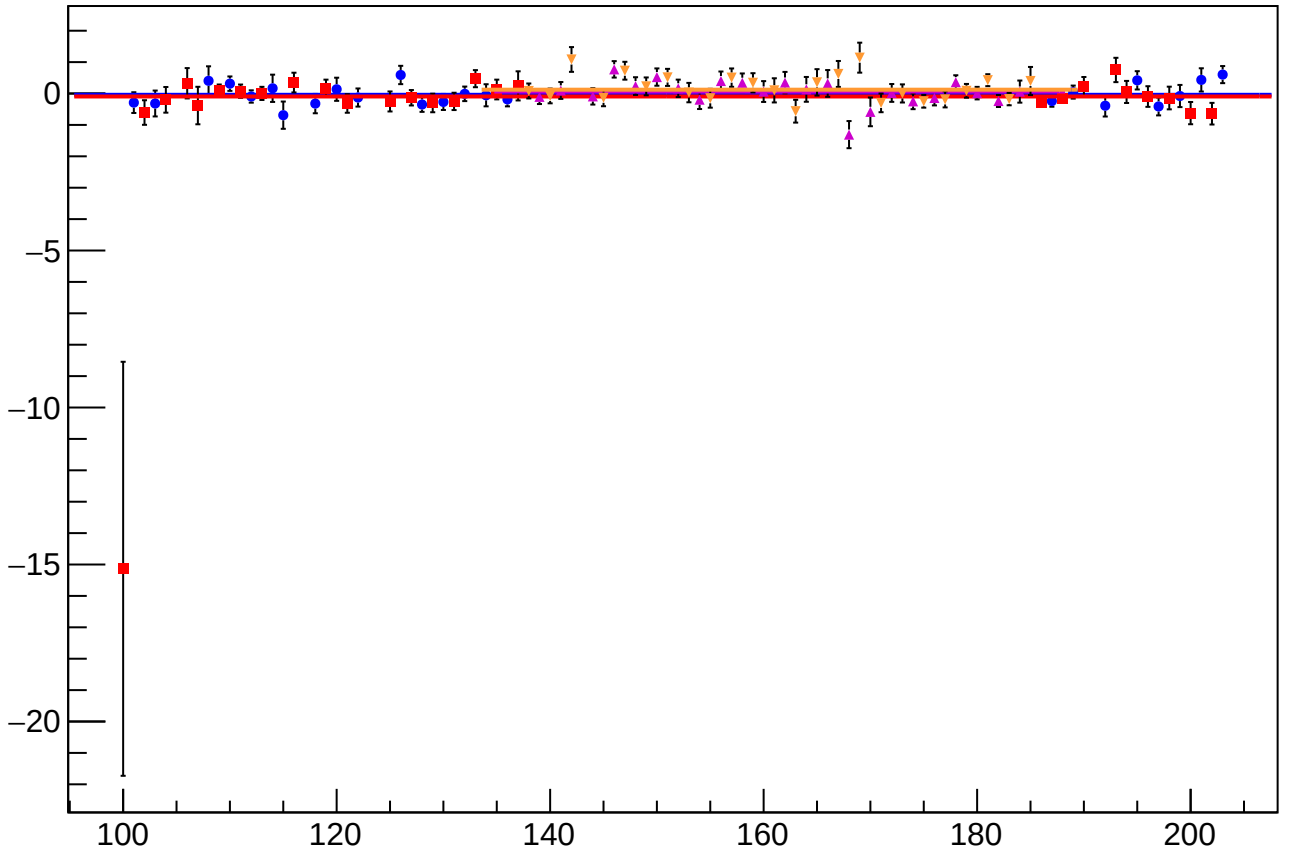
Left: 0.026+/-0.002 χ^2/NDF: 70.9/46

Right: 0.024+/-0.002 χ^2/NDF: 22327.8/50

In: 0.026+/-0.002 χ^2/NDF:58.7/46

Out: 0.025+/-0.002 χ^2/NDF:22340.3/50

All: 0.026+/-0.001 χ^2/NDF: 22399.2/97



Right In: -0.041+/-0.057 χ^2/NDF: 29.5/23

Left Out: 0.122+/-0.057 χ^2/NDF:39.6/23

Right Out: -0.094+/-0.049 χ^2/NDF: 33.5/26

Left In: 0.063+/-0.058 χ^2/NDF:34.2/22

Left: 0.093+/-0.040 χ^2/NDF: 74.4/46

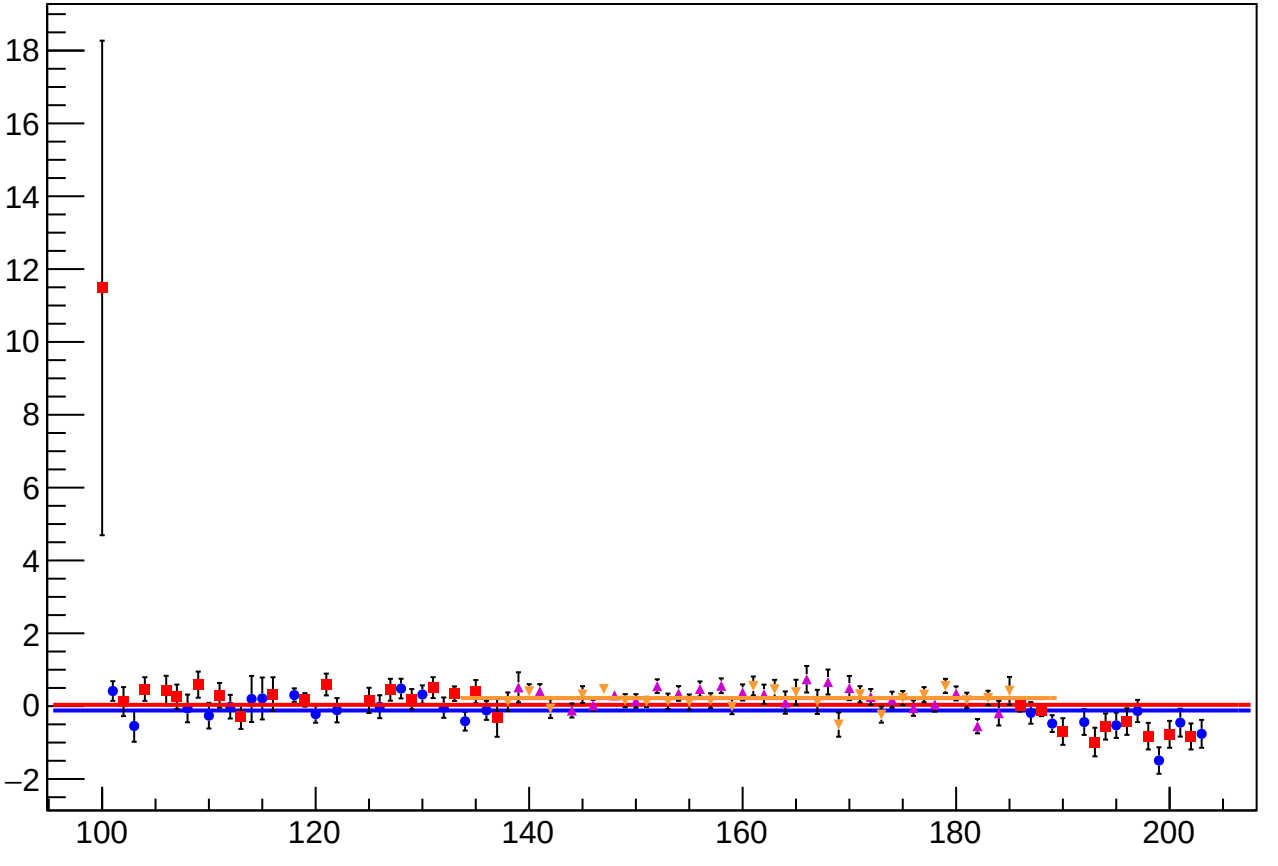
Right: -0.072+/-0.037 χ^2/NDF: 63.5/50

In: 0.010+/-0.040 χ^2/NDF:65.4/46

Out: -0.002+/-0.037 χ^2/NDF:81.5/50

All: 0.003+/-0.027 χ^2/NDF: 147.0/97

reg_asym_ds_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -0.119+/-0.061 χ^2/NDF: 43.1/23

Left Out: 0.225+/-0.043 χ^2/NDF:24.1/23

Right Out: 0.036+/-0.056 χ^2/NDF: 56.1/26

Left In: 0.221+/-0.044 χ^2/NDF:39.3/22

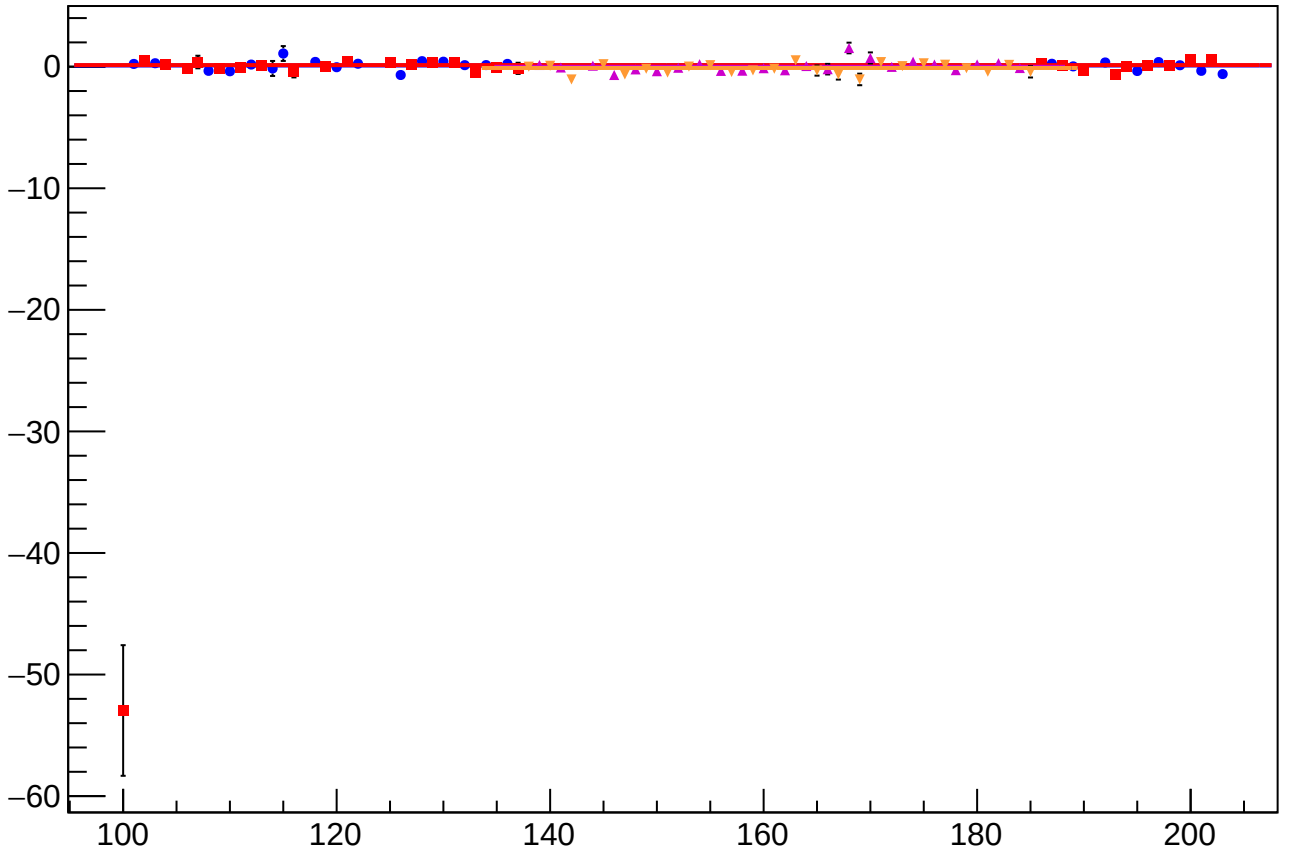
Left: 0.223+/-0.031 χ^2/NDF: 63.4/46

Right: -0.034+/-0.041 χ^2/NDF: 102.7/50

In: 0.105+/-0.036 χ^2/NDF:102.8/46

Out: 0.154+/-0.034 χ^2/NDF:87.4/50

All: 0.130+/-0.025 χ^2/NDF: 191.1/97



Right In: 0.101+/-0.056 χ^2/NDF: 30.9/23

Left Out: -0.105+/-0.056 χ^2/NDF:37.6/23

Right Out: 0.132+/-0.046 χ^2/NDF: 122.6/26

Left In: -0.009+/-0.057 χ^2/NDF:38.0/22

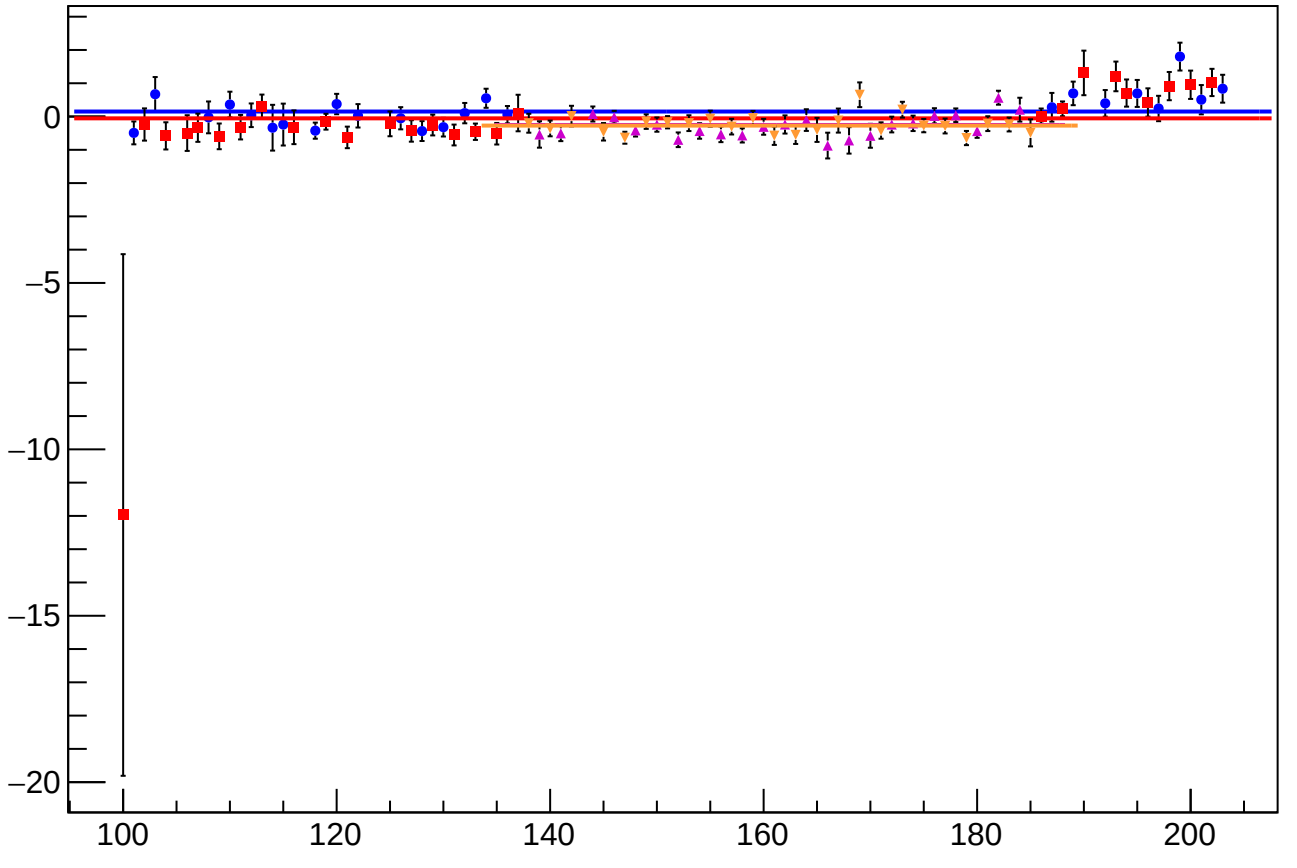
Left: -0.058+/-0.040 χ^2/NDF: 77.0/46

Right: 0.120+/-0.036 χ^2/NDF: 153.7/50

In: 0.046+/-0.040 χ^2/NDF:70.8/46

Out: 0.037+/-0.036 χ^2/NDF:170.8/50

All: 0.041+/-0.027 χ^2/NDF: 241.6/97



Right In: 0.150+/-0.072 χ^2/NDF: 45.0/23

Left Out: -0.272+/-0.049 χ^2/NDF:24.8/23

Right Out: -0.055+/-0.068 χ^2/NDF: 58.0/26

Left In: -0.254+/-0.050 χ^2/NDF:40.6/22

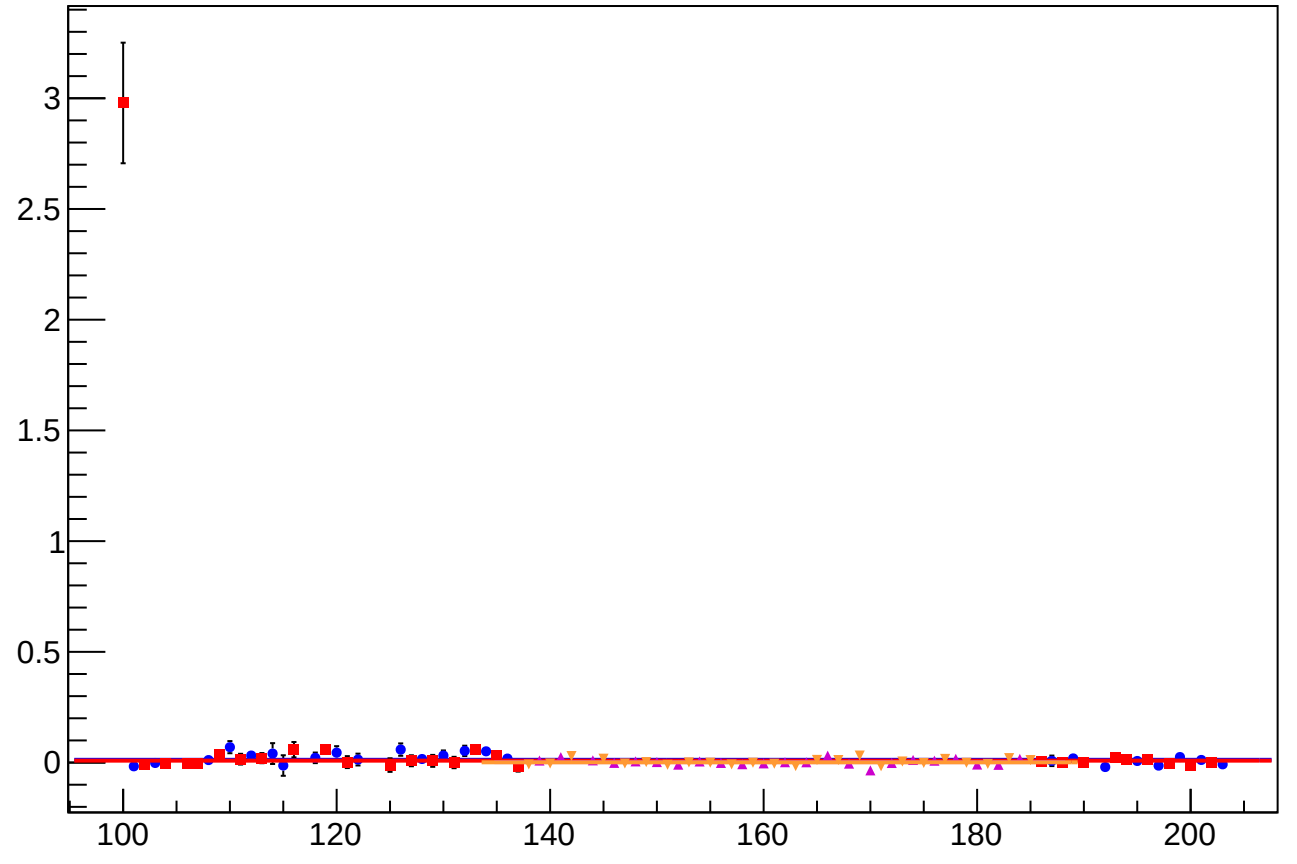
Left: -0.263+/-0.035 χ^2/NDF: 65.5/46

Right: 0.042+/-0.050 χ^2/NDF: 107.2/50

In: -0.122+/-0.041 χ^2/NDF:106.7/46

Out: -0.198+/-0.040 χ^2/NDF:89.5/50

All: -0.161+/-0.029 χ^2/NDF: 197.9/97



Right In: 0.012+/-0.003 χ^2/NDF: 39.7/23

Left Out: 0.001+/-0.002 χ^2/NDF:26.7/23

Right Out: 0.009+/-0.003 χ^2/NDF: 149.3/26

Left In: 0.002+/-0.002 χ^2/NDF:24.6/22

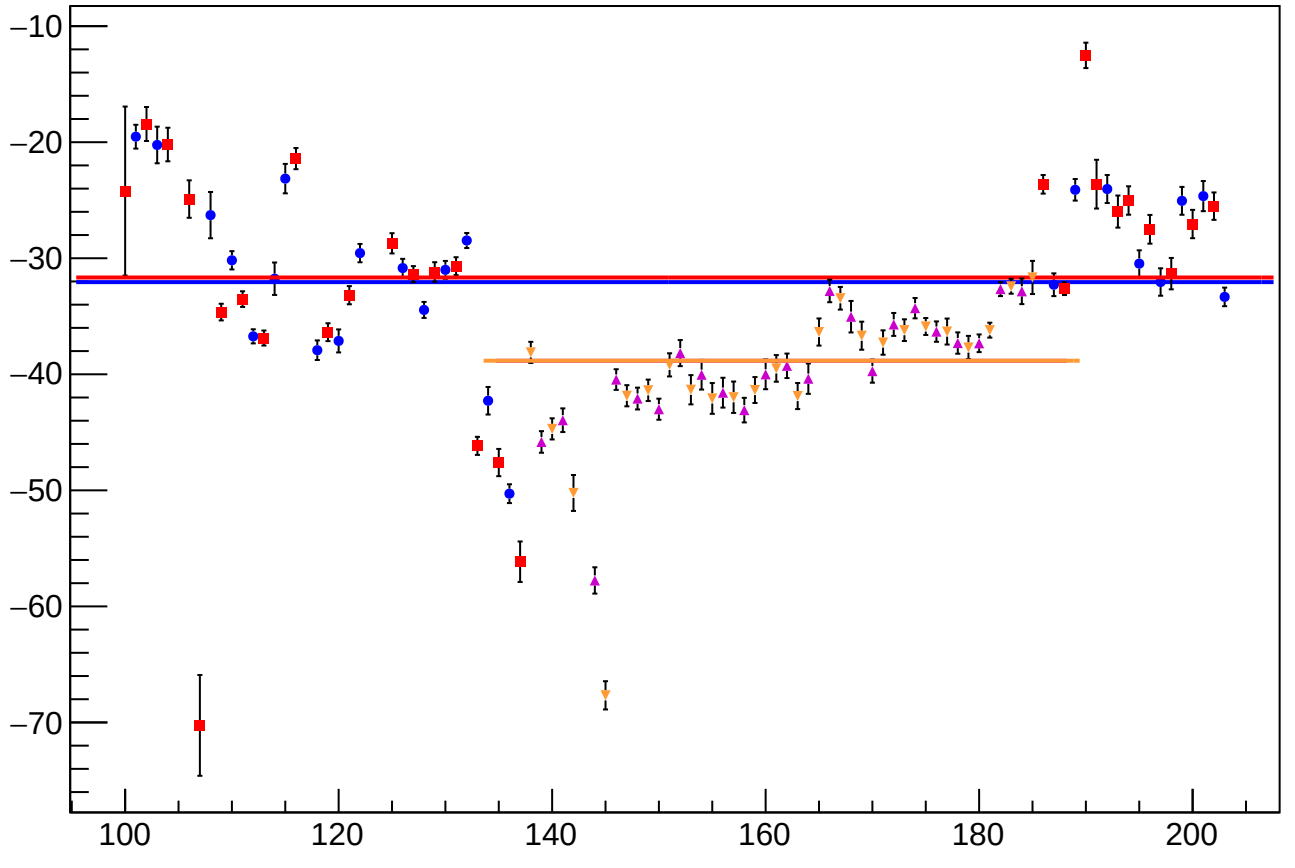
Left: 0.002+/-0.002 χ^2/NDF: 51.5/46

Right: 0.010+/-0.002 χ^2/NDF: 189.6/50

In: 0.005+/-0.002 χ^2/NDF:70.5/46

Out: 0.004+/-0.002 χ^2/NDF:179.6/50

All: 0.004+/-0.001 χ^2/NDF: 250.6/97



Right In: -32.058+/-0.188 χ^2/NDF: 1227.4/23

Left Out: -38.829+/-0.202 χ^2/NDF:917.0/23

Right Out: -31.658+/-0.179 χ^2/NDF: 1763.9/27

Left In: -38.837+/-0.203 χ^2/NDF:653.4/22

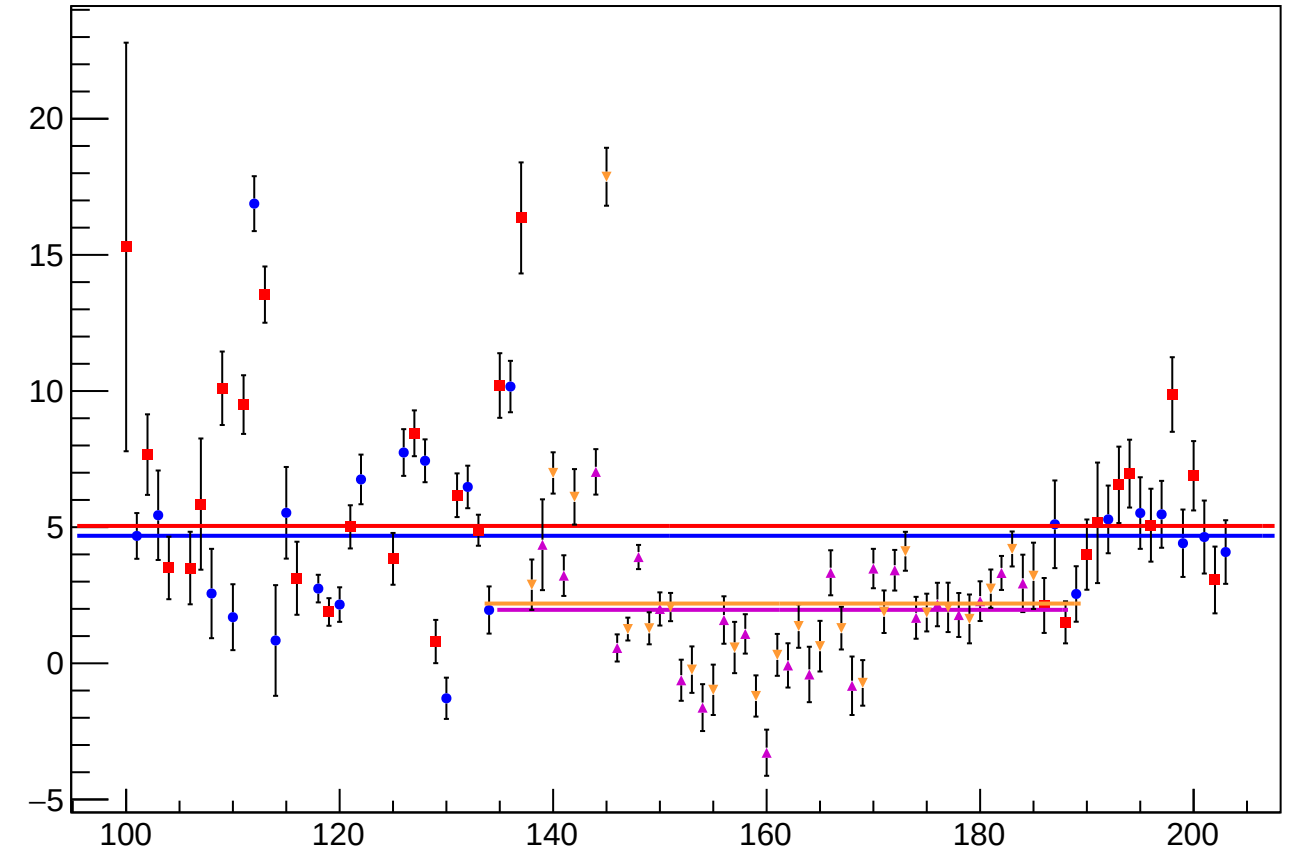
Left: -38.833+/-0.143 χ^2/NDF: 1570.4/46

Right: -31.847+/-0.130 χ^2/NDF: 2993.7/51

In: -35.184+/-0.138 χ^2/NDF:2479.5/46

Out: -34.803+/-0.134 χ^2/NDF:3388.1/51

All: -34.987+/-0.096 χ^2/NDF: 5871.5/98



Right In: 4.684+/-0.196 χ^2/NDF: 335.5/23

Left Out: 2.195+/-0.152 χ^2/NDF:365.1/23

Right Out: 5.045+/-0.192 χ^2/NDF: 297.0/27

Left In: 1.964+/-0.155 χ^2/NDF:173.2/22

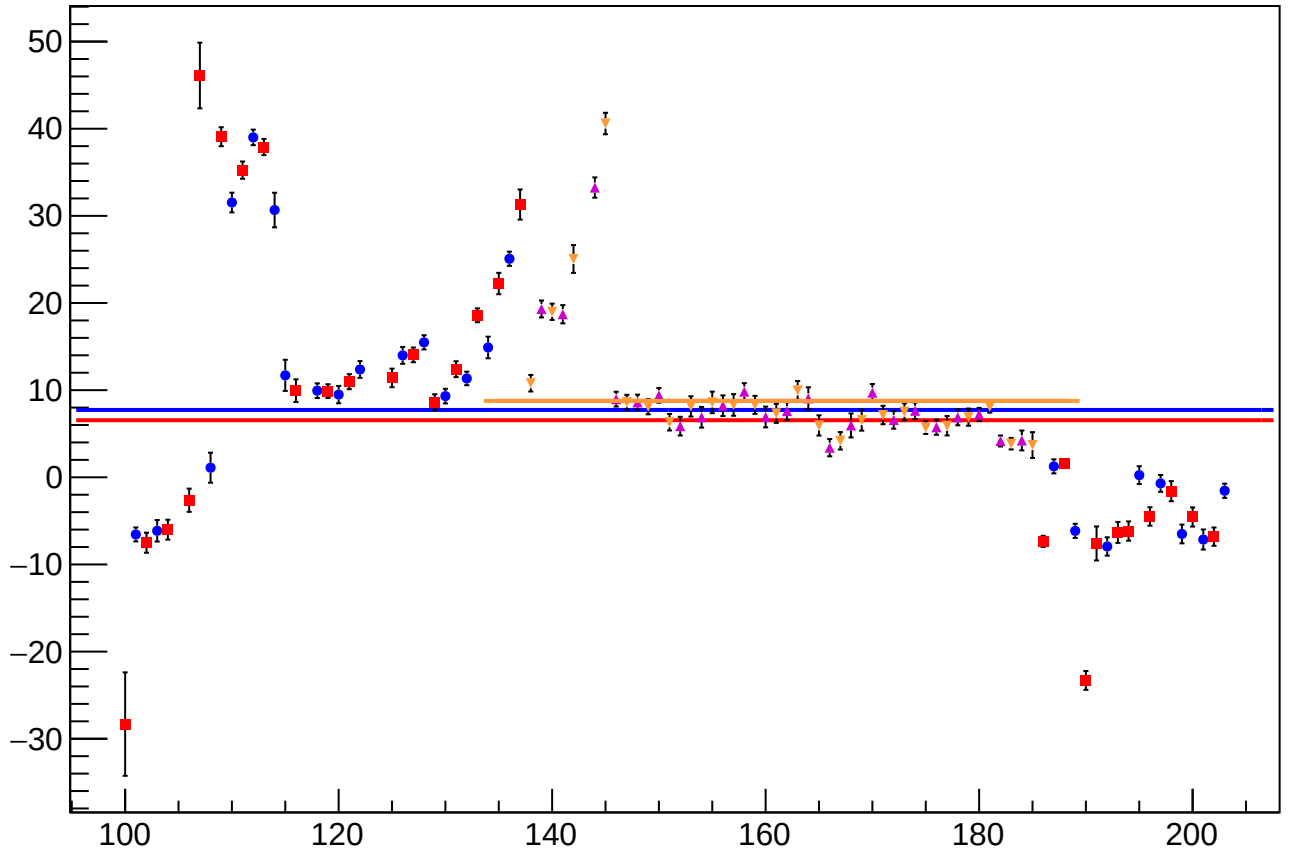
Left: 2.081+/-0.109 χ^2/NDF: 539.4/46

Right: 4.868+/-0.137 χ^2/NDF: 634.2/51

In: 3.007+/-0.121 χ^2/NDF:627.2/46

Out: 3.292+/-0.119 χ^2/NDF:797.2/51

All: 3.152+/-0.085 χ^2/NDF: 1427.2/98



Right In: 7.731+/-0.198 χ^2/NDF: 4120.9/23

Left Out: 8.766+/-0.200 χ^2/NDF:1035.4/23

Right Out: 6.550+/-0.184 χ^2/NDF: 6215.1/27

Left In: 8.773+/-0.201 χ^2/NDF:795.1/22

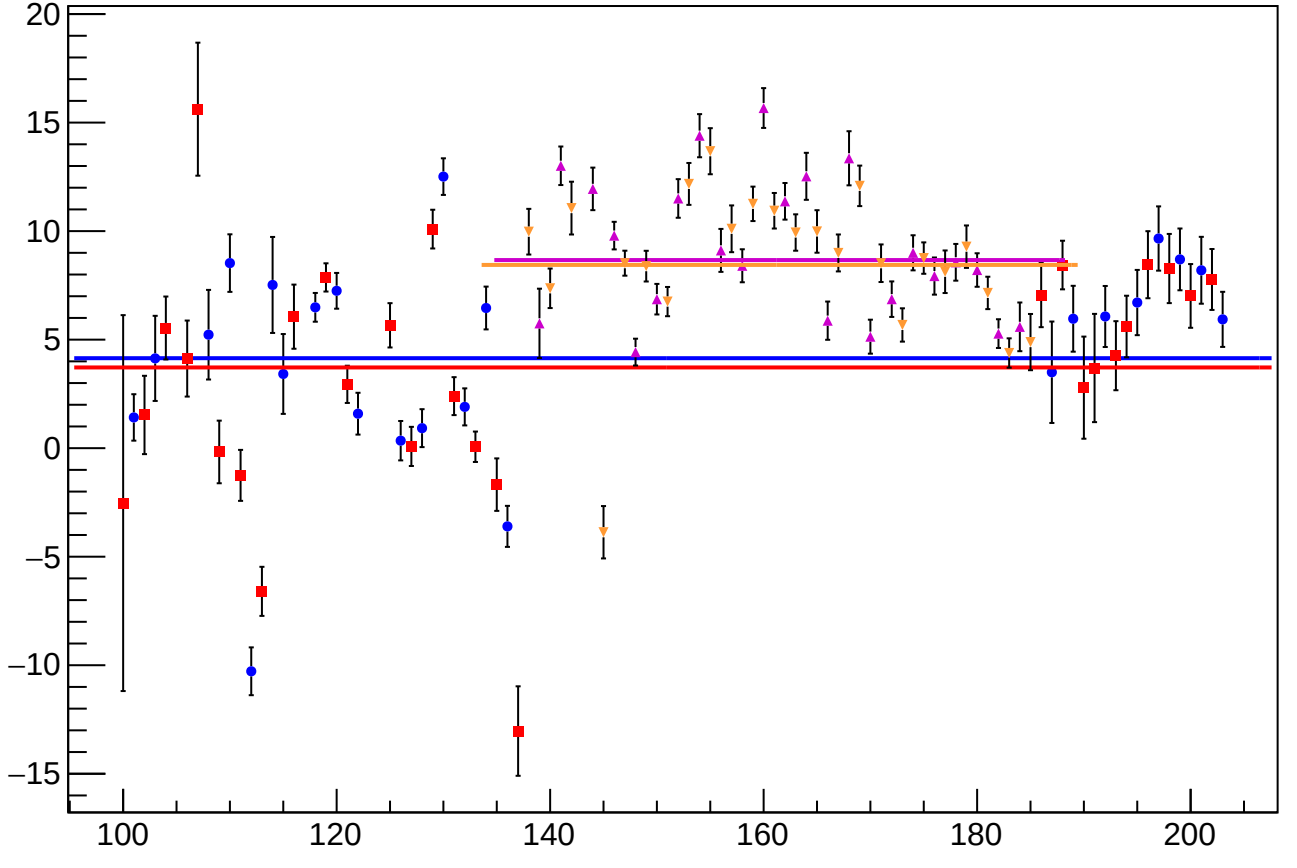
Left: 8.769+/-0.142 χ^2/NDF: 1830.5/46

Right: 7.098+/-0.135 χ^2/NDF: 10355.0/51

In: 8.243+/-0.141 χ^2/NDF:4929.6/46

Out: 7.564+/-0.136 χ^2/NDF:7316.7/51

All: 7.890+/-0.098 χ^2/NDF: 12258.3/98



Right In: 4.146+/-0.229 χ^2/NDF: 473.8/23

Left Out: 8.442+/-0.174 χ^2/NDF:264.2/23

Right Out: 3.719+/-0.227 χ^2/NDF: 413.4/27

Left In: 8.666+/-0.176 χ^2/NDF:304.8/22

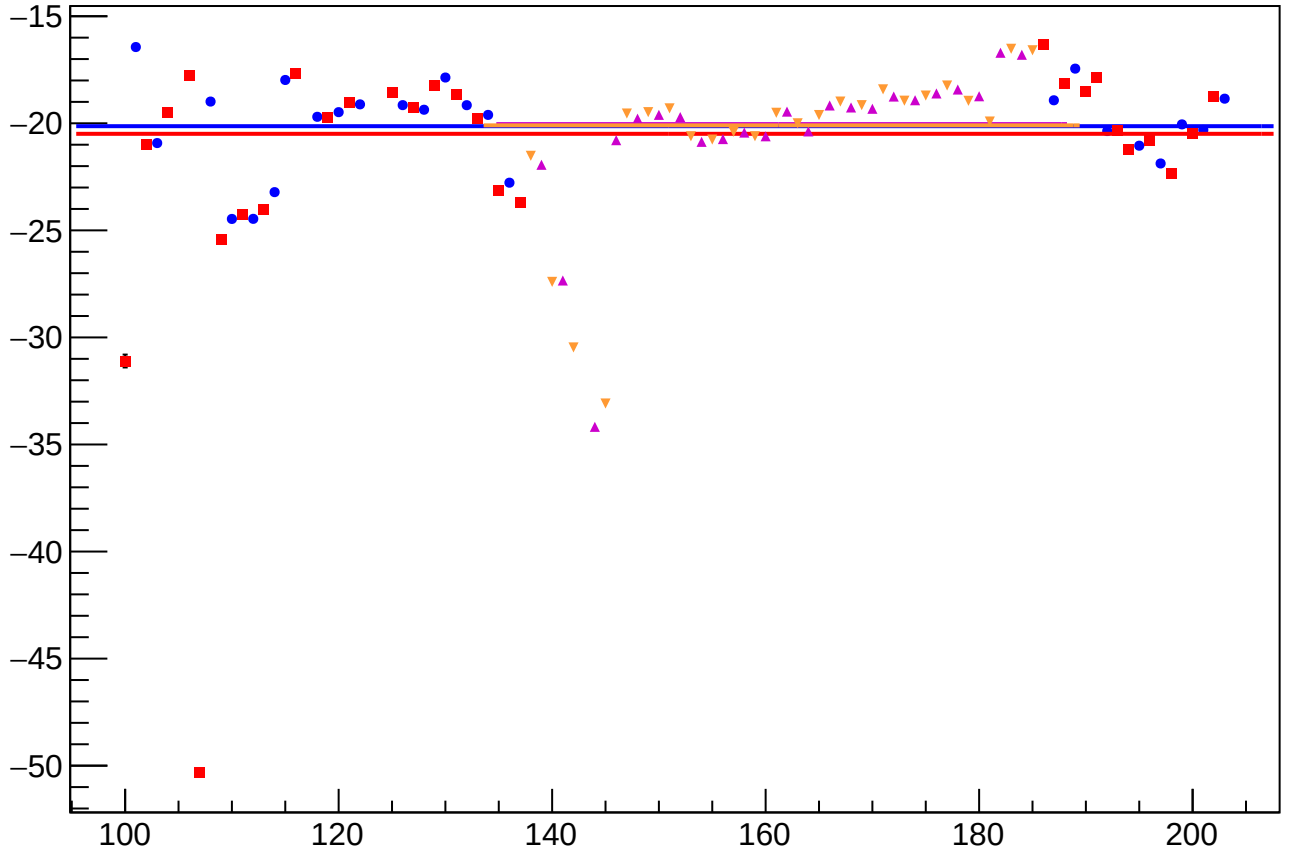
Left: 8.553+/-0.123 χ^2/NDF: 569.8/46

Right: 3.931+/-0.161 χ^2/NDF: 889.0/51

In: 6.990+/-0.139 χ^2/NDF:1024.2/46

Out: 6.701+/-0.138 χ^2/NDF:950.6/51

All: 6.844+/-0.098 χ^2/NDF: 1977.0/98



Right In: -20.135+/-0.012 χ^2/NDF: 24479.6/23

Left Out: -20.096+/-0.008 χ^2/NDF:159293.0/23

Right Out: -20.491+/-0.011 χ^2/NDF: 68211.4/27

Left In: -20.037+/-0.008 χ^2/NDF:132291.6/22

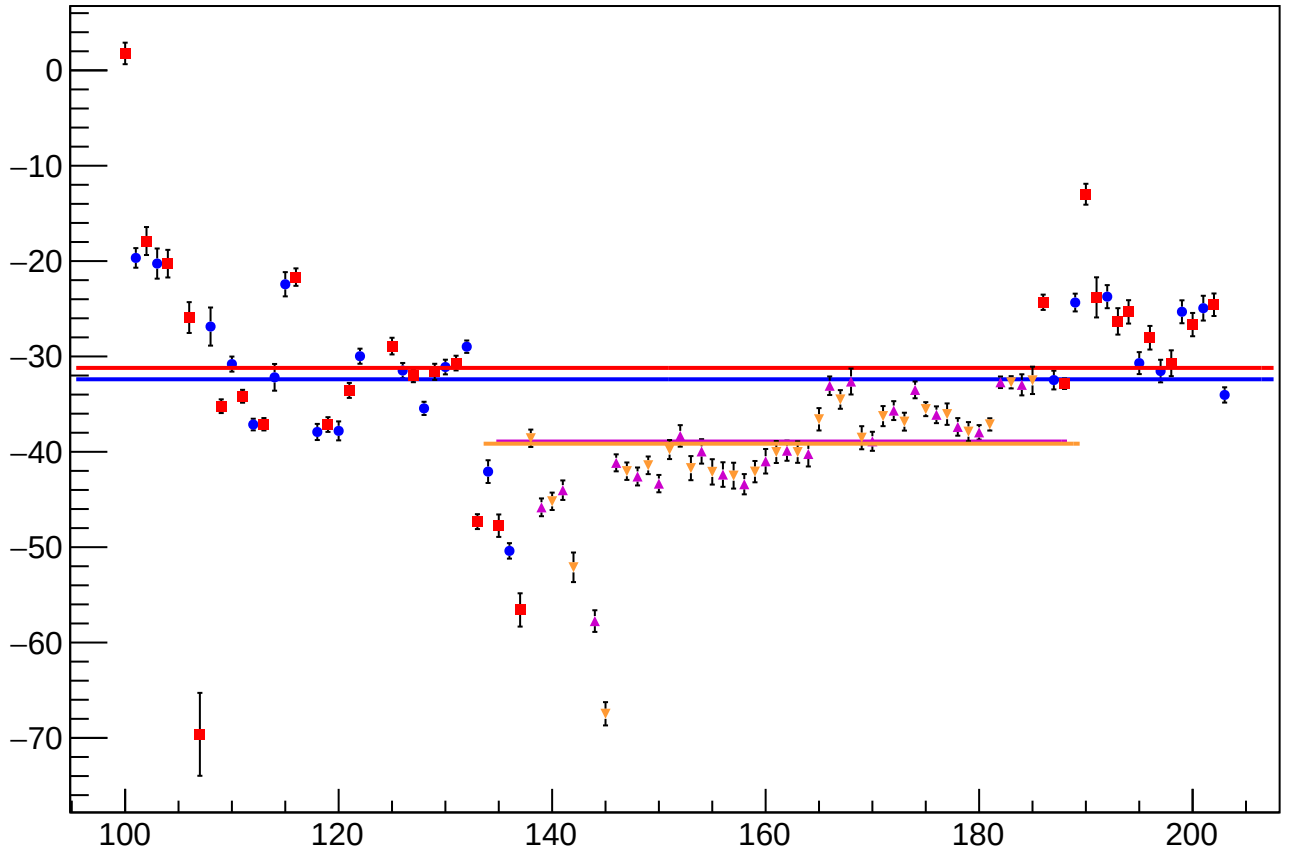
Left: -20.067+/-0.006 χ^2/NDF: 291612.1/46

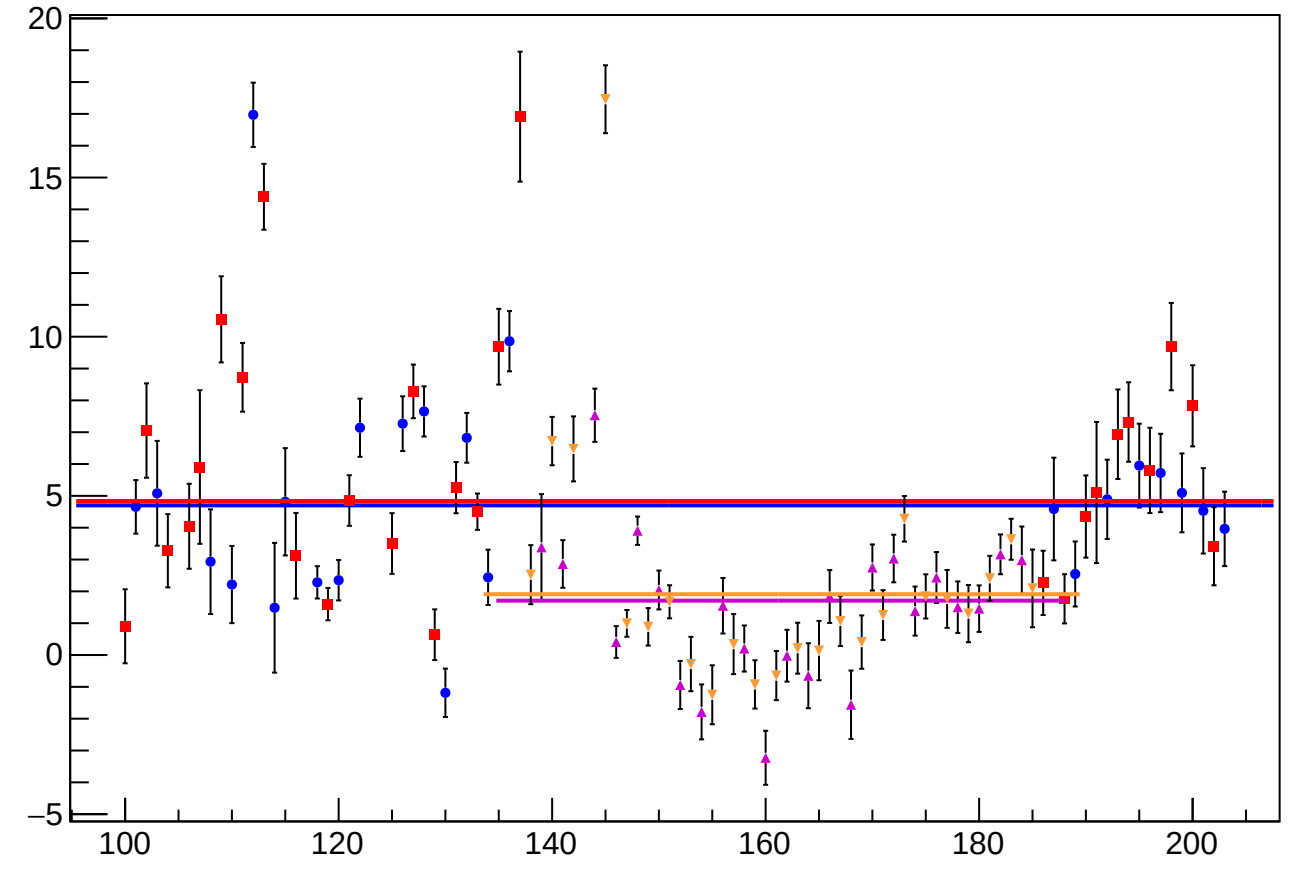
Right: -20.318+/-0.008 χ^2/NDF: 93163.8/51

In: -20.068+/-0.007 χ^2/NDF:156818.4/46

Out: -20.224+/-0.007 χ^2/NDF:228312.8/51

All: -20.146+/-0.005 χ^2/NDF: 385418.4/98


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: -32.395+/-0.189 χ²/NDF: 1235.9/23
Left Out: -39.148+/-0.202 χ²/NDF:898.8/23
Right Out: -31.202+/-0.177 χ²/NDF: 2695.4/27
Left In: -38.921+/-0.204 χ²/NDF:684.4/22
Left: -39.036+/-0.144 χ²/NDF: 1583.8/46
Right: -31.760+/-0.129 χ²/NDF: 3952.6/51
In: -35.405+/-0.138 χ²/NDF:2473.1/46
Out: -34.638+/-0.133 χ²/NDF:4468.6/51
All: -35.007+/-0.096 χ²/NDF: 6957.6/98



Right In: 4.701+/-0.197 χ^2/NDF: 332.3/23

Left Out: 1.911+/-0.152 χ^2/NDF:359.3/23

Right Out: 4.838+/-0.190 χ^2/NDF: 321.6/27

Left In: 1.709+/-0.155 χ^2/NDF:182.6/22

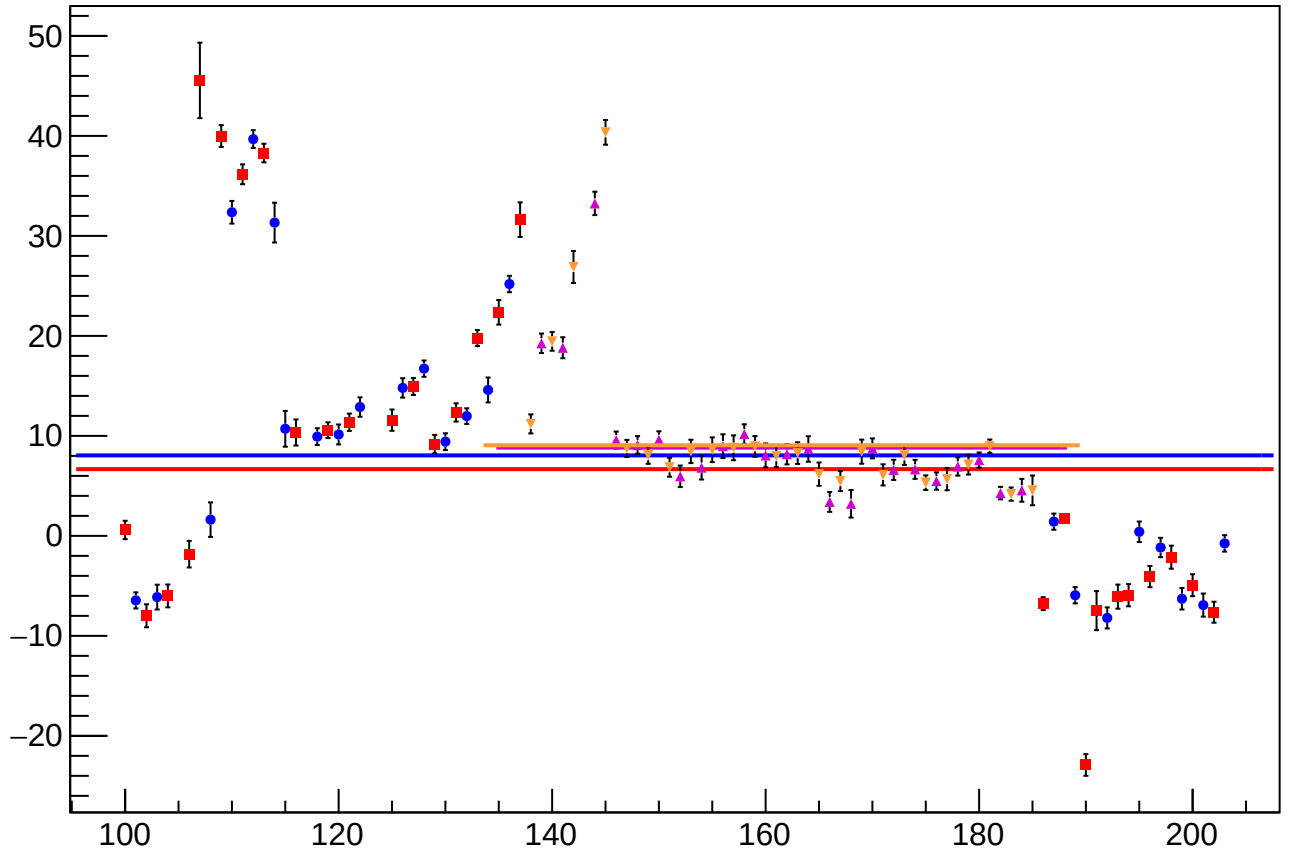
Left: 1.811+/-0.109 χ^2/NDF: 542.8/46

Right: 4.772+/-0.137 χ^2/NDF: 654.2/51

In: 2.856+/-0.122 χ^2/NDF:657.9/46

Out: 3.056+/-0.119 χ^2/NDF:825.2/51

All: 2.959+/-0.085 χ^2/NDF: 1484.5/98



Right In: 8.051+/-0.198 χ^2/NDF: 4219.1/23

Left Out: 9.061+/-0.201 χ^2/NDF:1033.5/23

Right Out: 6.673+/-0.181 χ^2/NDF: 6373.9/27

Left In: 8.826+/-0.202 χ^2/NDF:801.4/22

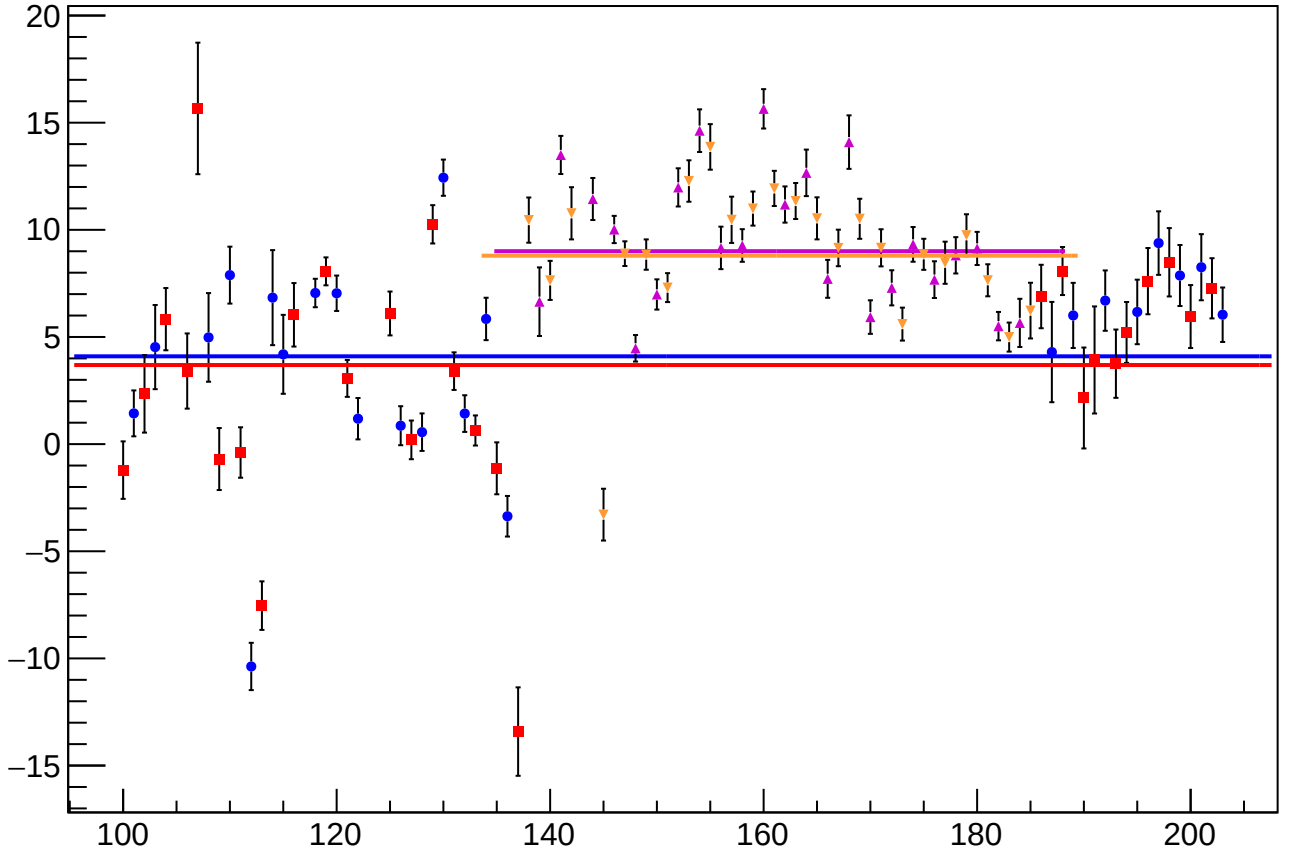
Left: 8.944+/-0.142 χ^2/NDF: 1835.6/46

Right: 7.299+/-0.134 χ^2/NDF: 10619.4/51

In: 8.431+/-0.141 χ^2/NDF:5028.0/46

Out: 7.743+/-0.134 χ^2/NDF:7485.4/51

All: 8.070+/-0.097 χ^2/NDF: 12525.8/98



Right In: 4.097+/-0.229 χ^2/NDF: 467.0/23

Left Out: 8.793+/-0.174 χ^2/NDF:244.1/23

Right Out: 3.691+/-0.224 χ^2/NDF: 422.6/27

Left In: 9.004+/-0.176 χ^2/NDF:289.6/22

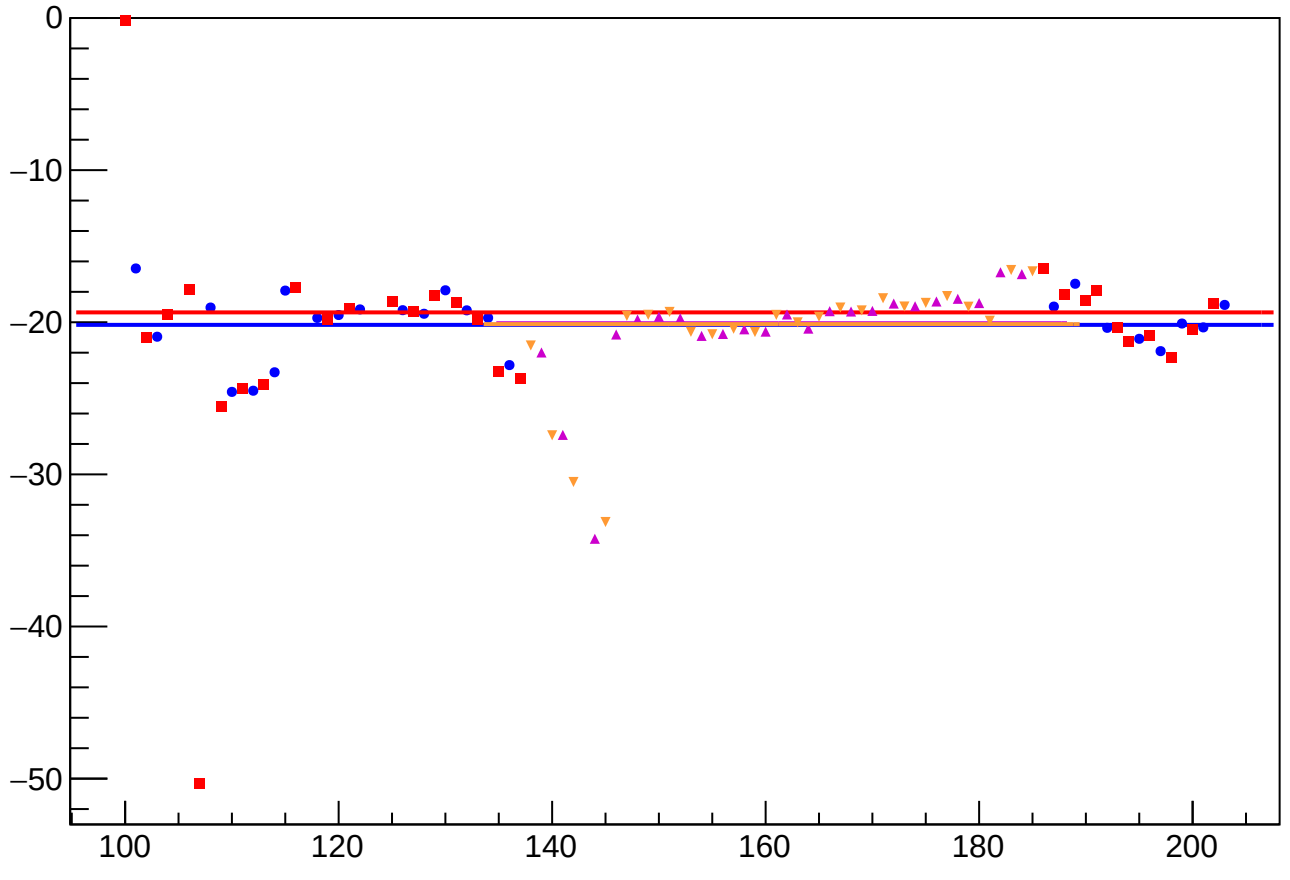
Left: 8.897+/-0.124 χ^2/NDF: 534.4/46

Right: 3.890+/-0.160 χ^2/NDF: 891.3/51

In: 7.185+/-0.140 χ^2/NDF:1044.8/46

Out: 6.880+/-0.137 χ^2/NDF:989.6/51

All: 7.030+/-0.098 χ^2/NDF: 2036.9/98



Right In: -20.171+/-0.012 χ^2/NDF: 24516.8/23

Left Out: -20.123+/-0.008 χ^2/NDF:158578.7/23

Right Out: -19.351+/-0.011 χ^2/NDF: 246589.5/27

Left In: -20.063+/-0.008 χ^2/NDF:132690.0/22

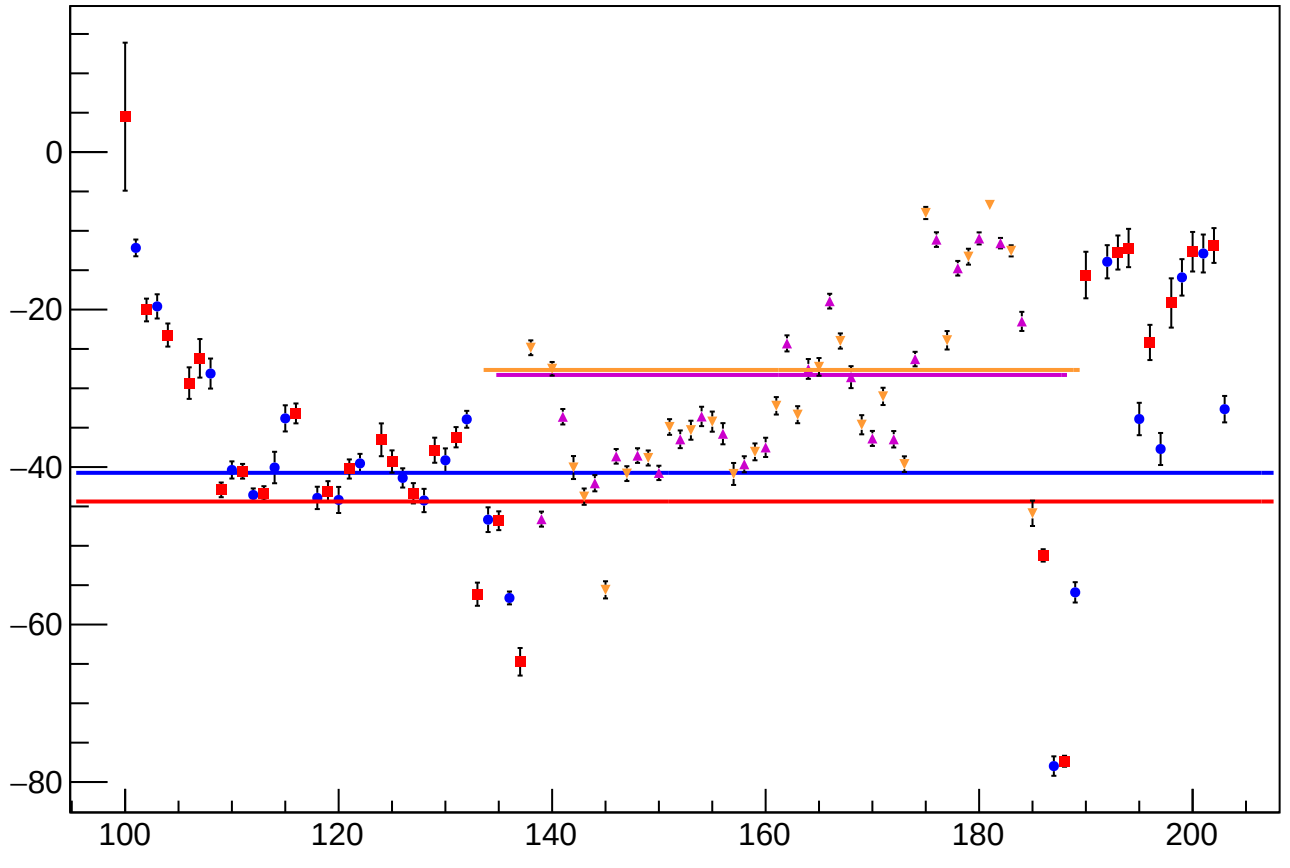
Left: -20.093+/-0.006 χ^2/NDF: 291297.6/46

Right: -19.738+/-0.008 χ^2/NDF: 273668.0/51

In: -20.097+/-0.007 χ^2/NDF:157265.2/46

Out: -19.863+/-0.006 χ^2/NDF:408358.6/51

All: -19.978+/-0.005 χ^2/NDF: 566267.4/98



Right In: -40.733+/-0.277 χ^2/NDF: 2927.7/23

Left Out: -27.668+/-0.200 χ^2/NDF:4396.9/24

Right Out: -44.374+/-0.254 χ^2/NDF: 4358.4/27

Left In: -28.303+/-0.206 χ^2/NDF:3273.4/22

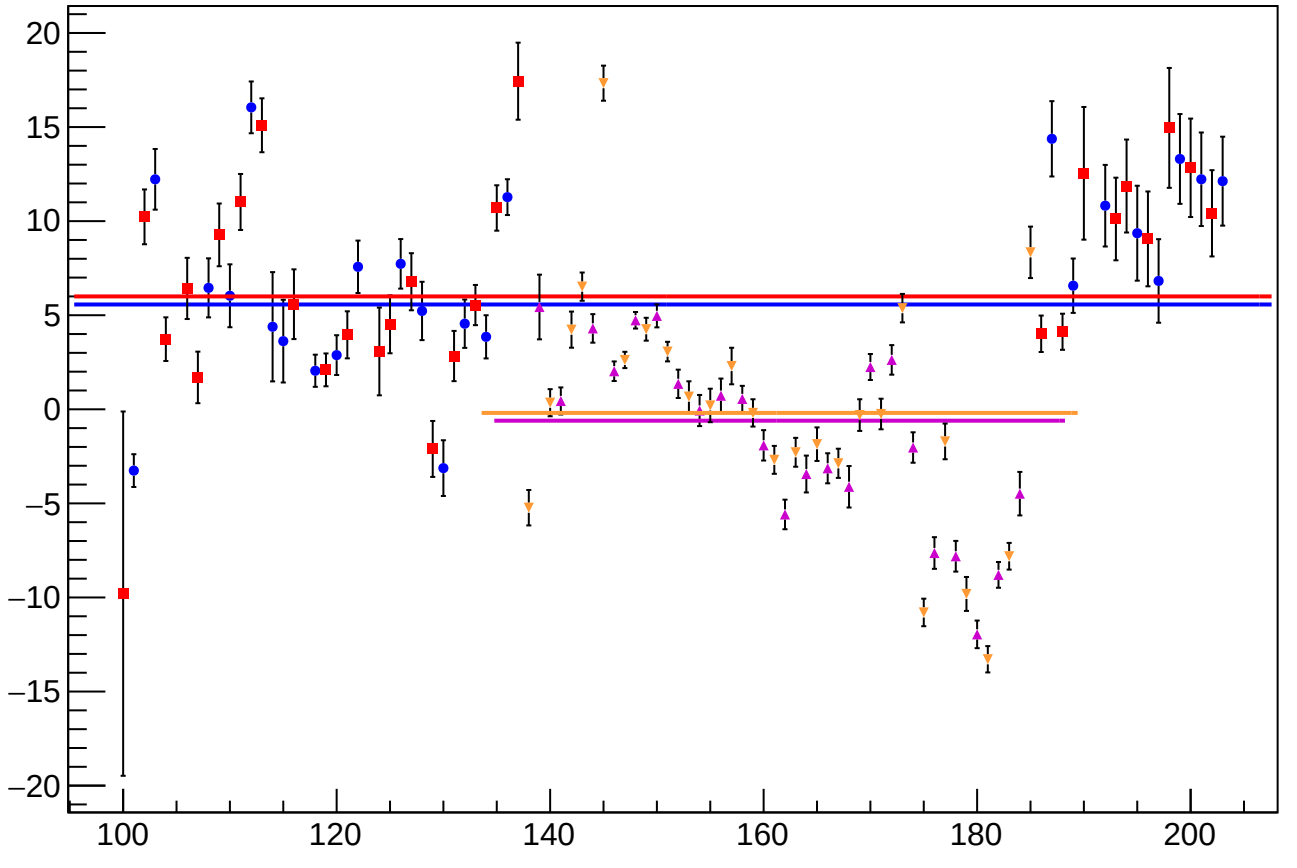
Left: -27.977+/-0.144 χ^2/NDF: 7675.2/47

Right: -42.708+/-0.187 χ^2/NDF: 7379.8/51

In: -32.723+/-0.165 χ^2/NDF:7498.9/46

Out: -34.068+/-0.157 χ^2/NDF:11415.8/52

All: -33.427+/-0.114 χ^2/NDF: 18949.4/99



Right In: 5.571+/-0.291 χ^2/NDF: 334.3/23

Left Out: -0.192+/-0.150 χ^2/NDF:1545.3/24

Right Out: 5.999+/-0.280 χ^2/NDF: 228.4/27

Left In: -0.605+/-0.155 χ^2/NDF:974.6/22

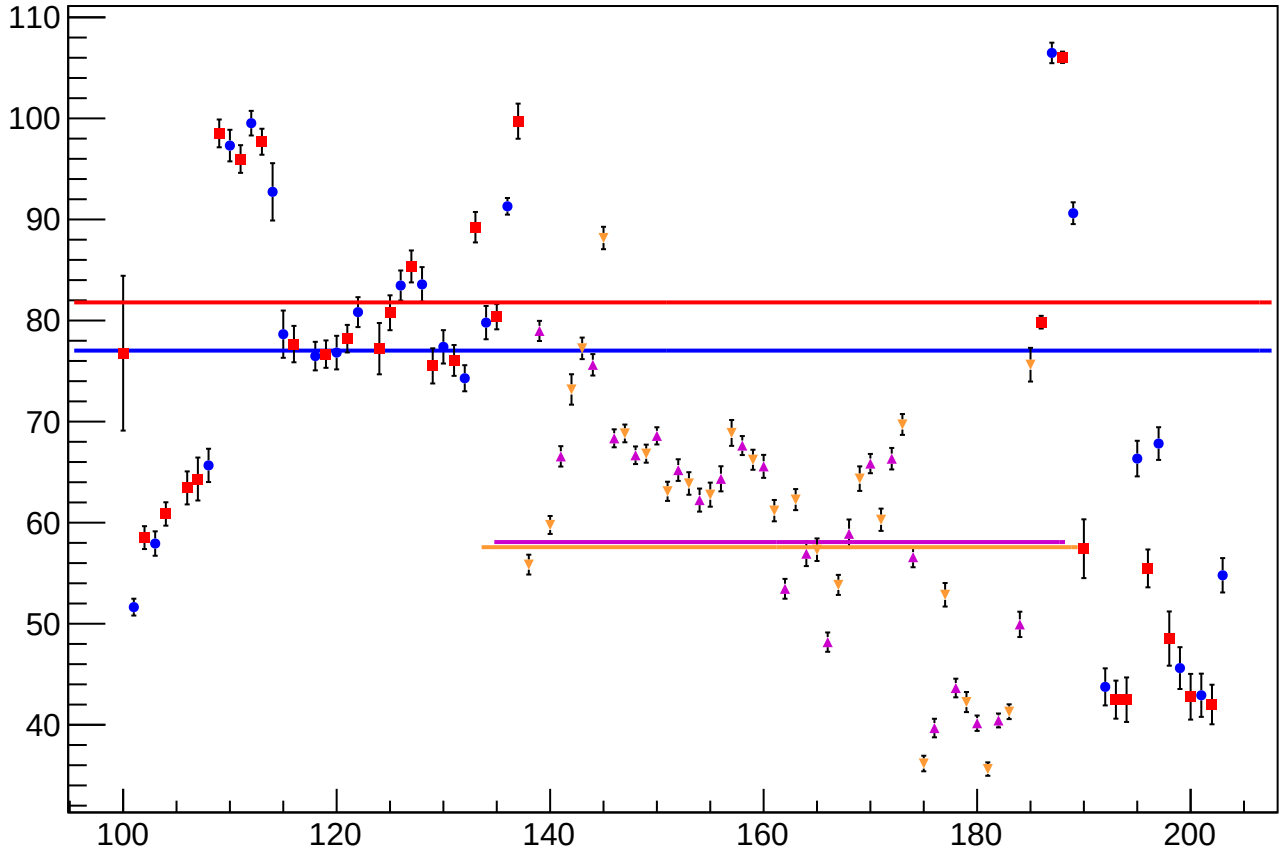
Left: -0.391+/-0.108 χ^2/NDF: 2523.5/47

Right: 5.793+/-0.202 χ^2/NDF: 563.8/51

In: 0.765+/-0.137 χ^2/NDF:1660.2/46

Out: 1.188+/-0.132 χ^2/NDF:2152.9/52

All: 0.983+/-0.095 χ^2/NDF: 3818.0/99



Right In: 77.025+/-0.283 χ^2/NDF: 4172.7/23

Left Out: 57.573+/-0.199 χ^2/NDF:4685.5/24

Right Out: 81.793+/-0.254 χ^2/NDF: 5329.8/27

Left In: 58.080+/-0.203 χ^2/NDF:3558.6/22

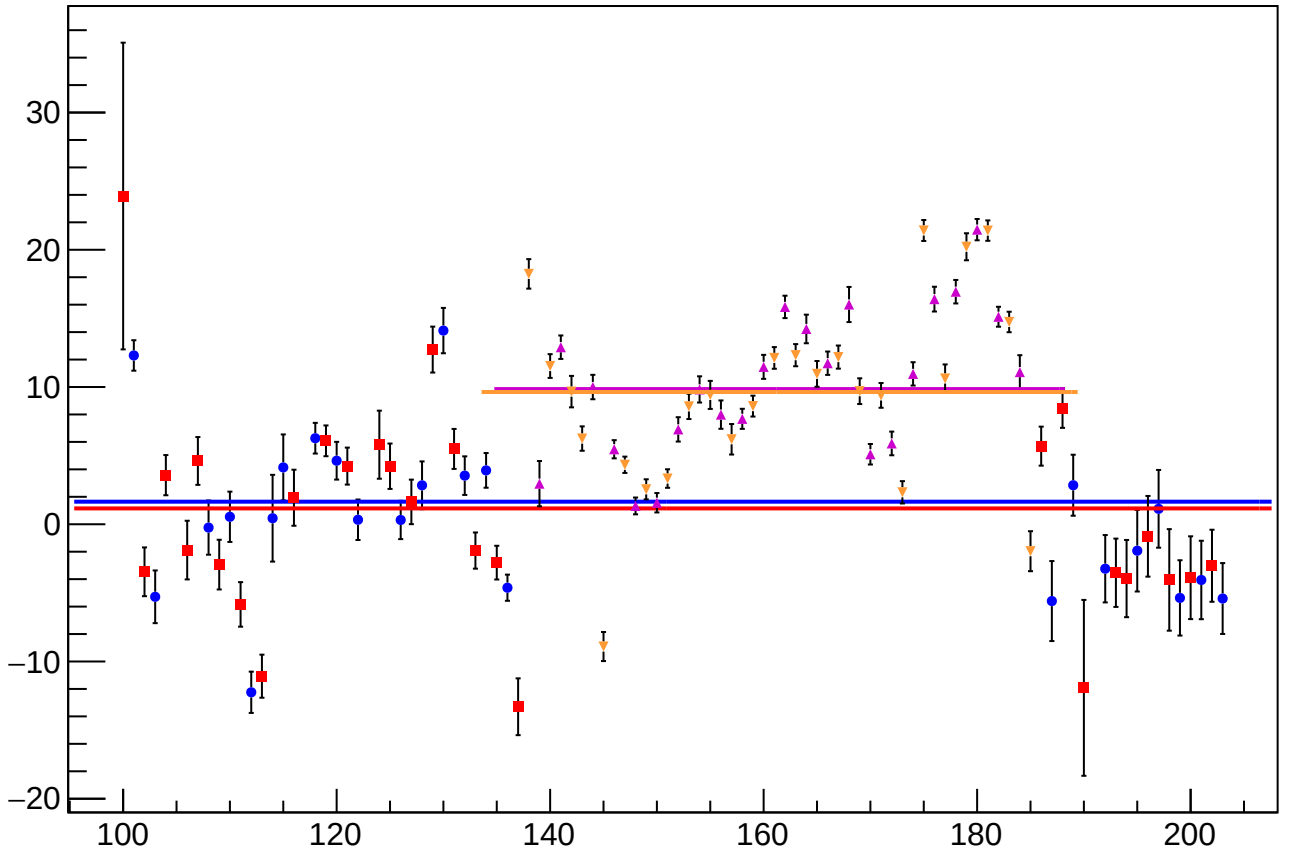
Left: 57.821+/-0.142 χ^2/NDF: 8247.2/47

Right: 79.669+/-0.189 χ^2/NDF: 9659.4/51

In: 64.521+/-0.165 χ^2/NDF:10679.2/46

Out: 66.781+/-0.157 χ^2/NDF:15648.3/52

All: 65.712+/-0.114 χ^2/NDF: 26426.0/99



Right In: 1.645+/-0.339 χ^2/NDF: 352.3/23

Left Out: 9.636+/-0.171 χ^2/NDF:1491.5/24

Right Out: 1.153+/-0.334 χ^2/NDF: 311.6/27

Left In: 9.849+/-0.176 χ^2/NDF:993.0/22

Left: 9.740+/-0.123 χ^2/NDF: 2485.2/47

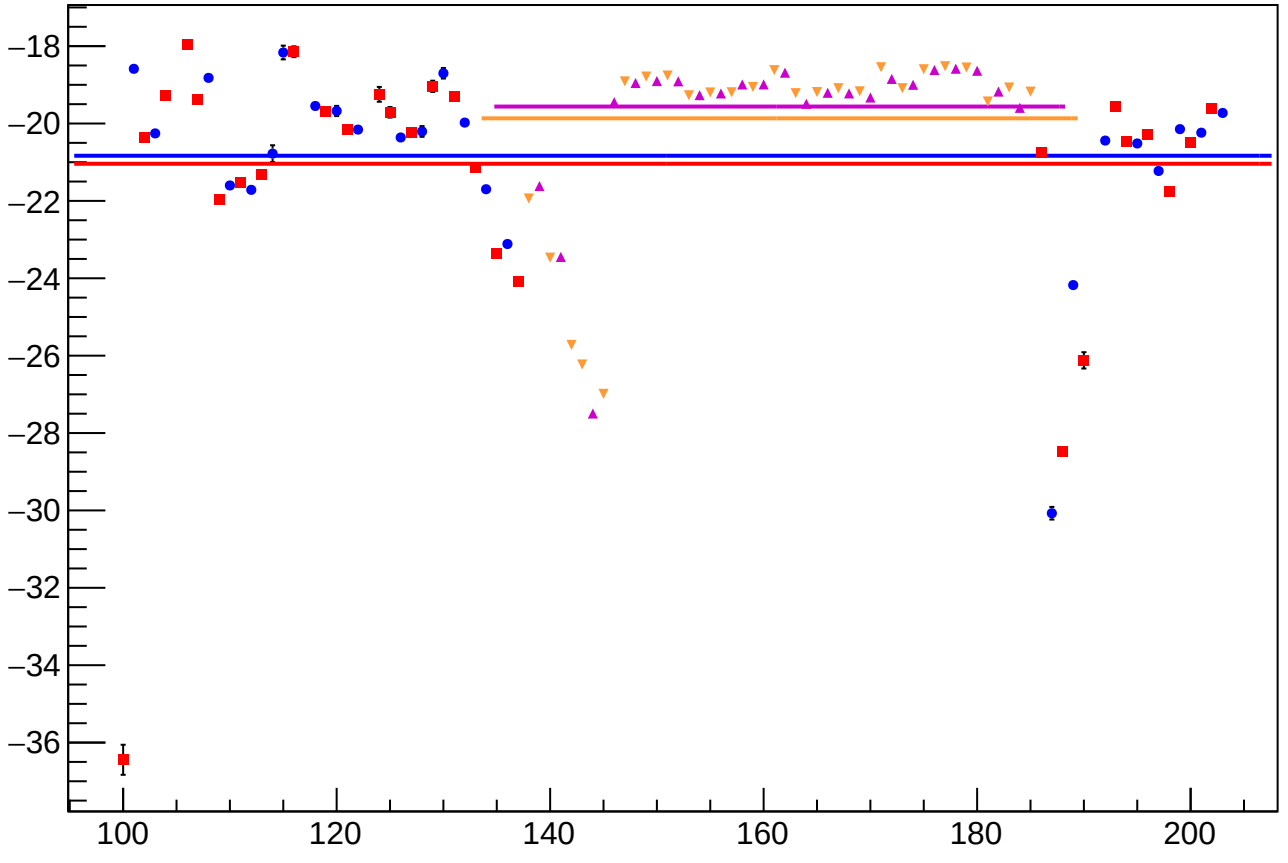
Right: 1.396+/-0.238 χ^2/NDF: 665.0/51

In: 8.100+/-0.156 χ^2/NDF:1806.9/46

Out: 7.869+/-0.153 χ^2/NDF:2313.3/52

All: 7.982+/-0.109 χ^2/NDF: 4121.3/99

reg_asym_right_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -20.833+/-0.017 χ^2/NDF: 12215.5/23

Left Out: -19.866+/-0.008 χ^2/NDF:78894.3/24

Right Out: -21.040+/-0.017 χ^2/NDF: 20372.6/27

Left In: -19.562+/-0.008 χ^2/NDF:45172.6/22

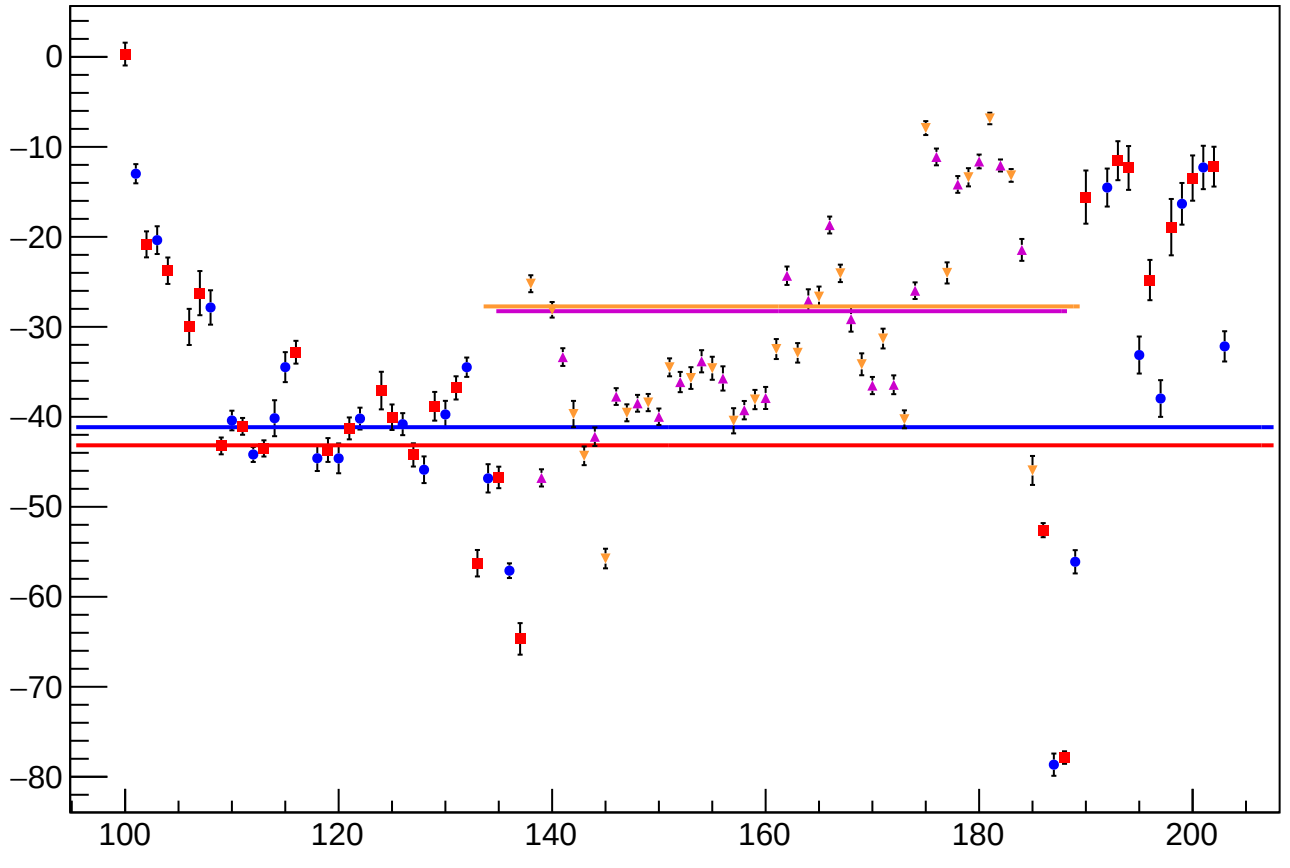
Left: -19.716+/-0.006 χ^2/NDF: 124807.4/47

Right: -20.936+/-0.012 χ^2/NDF: 32665.2/51

In: -19.797+/-0.007 χ^2/NDF:62117.3/46

Out: -20.078+/-0.007 χ^2/NDF:103300.8/52

All: -19.939+/-0.005 χ^2/NDF: 166192.6/99



Right In: -41.150+/-0.277 χ^2/NDF: 2930.6/23

Left Out: -27.729+/-0.201 χ^2/NDF:4299.7/24

Right Out: -43.166+/-0.250 χ^2/NDF: 5586.0/27

Left In: -28.260+/-0.206 χ^2/NDF:3172.7/22

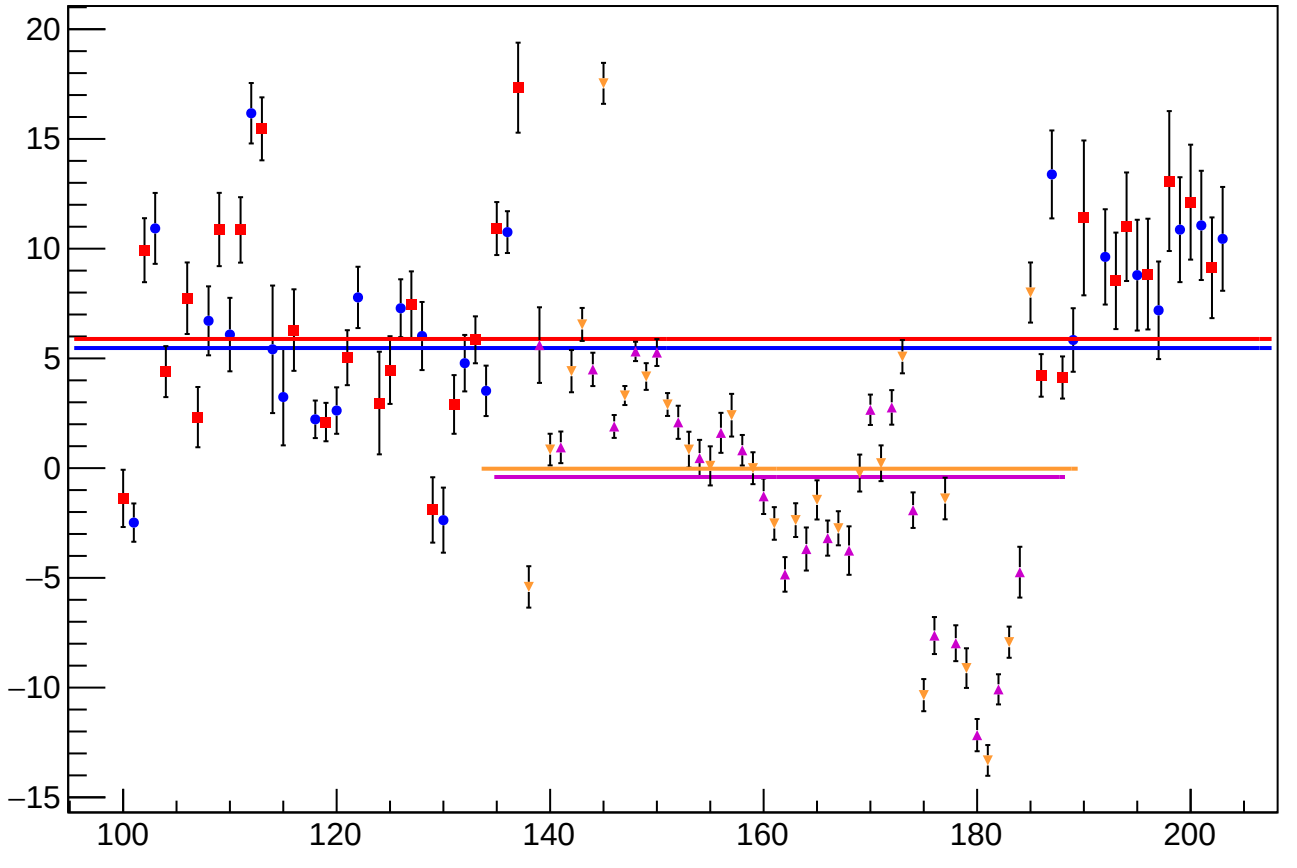
Left: -27.988+/-0.144 χ^2/NDF: 7475.8/47

Right: -42.263+/-0.186 χ^2/NDF: 8545.8/51

In: -32.847+/-0.165 χ^2/NDF:7494.4/46

Out: -33.785+/-0.157 χ^2/NDF:12205.2/52

All: -33.342+/-0.114 χ^2/NDF: 19716.5/99



Right In: 5.472+/-0.291 χ^2/NDF: 281.1/23

Left Out: -0.026+/-0.150 χ^2/NDF:1531.8/24

Right Out: 5.886+/-0.275 χ^2/NDF: 245.1/27

Left In: -0.404+/-0.155 χ^2/NDF:1084.1/22

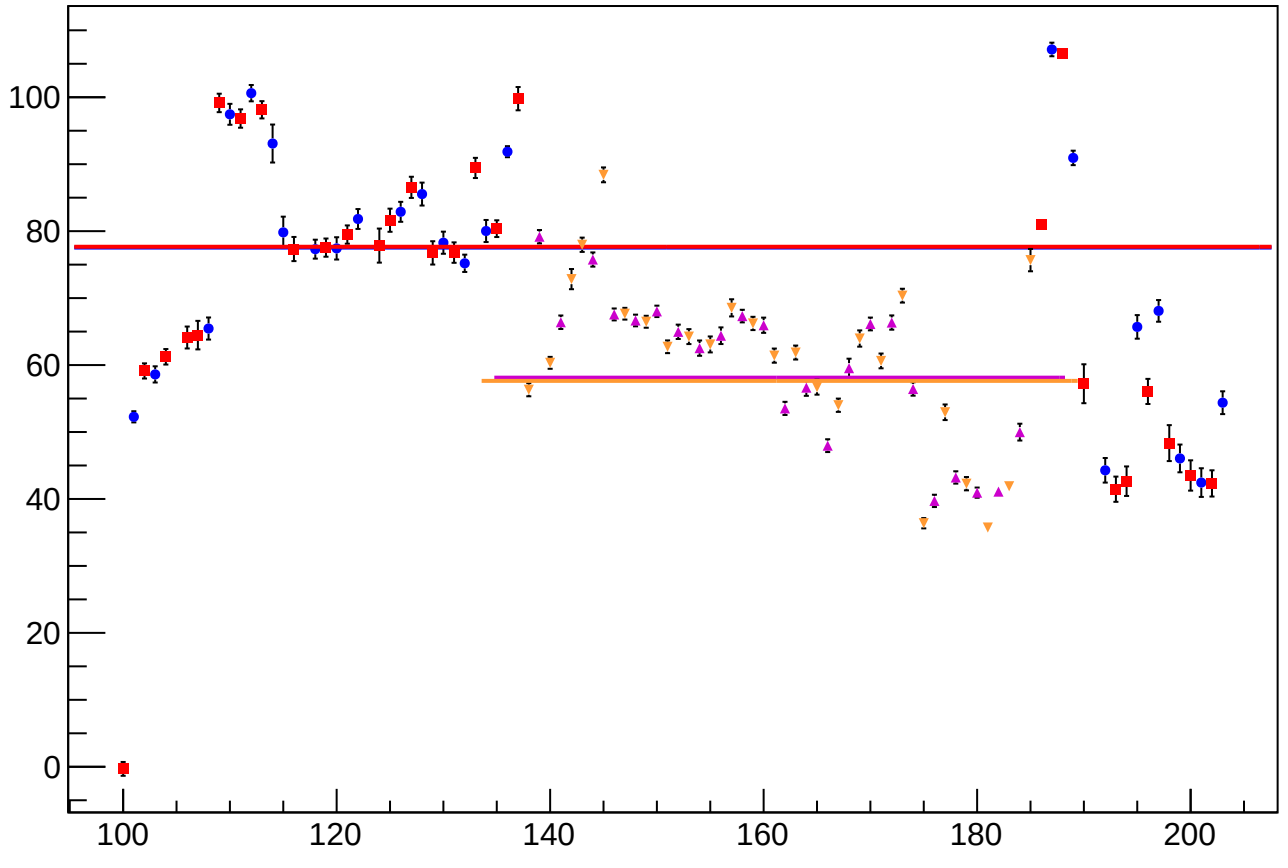
Left: -0.208+/-0.108 χ^2/NDF: 2618.9/47

Right: 5.691+/-0.200 χ^2/NDF: 527.2/51

In: 0.900+/-0.137 χ^2/NDF:1682.3/46

Out: 1.337+/-0.132 χ^2/NDF:2133.6/52

All: 1.127+/-0.095 χ^2/NDF: 3821.2/99



Right In: 77.548+/-0.284 χ^2/NDF: 4214.2/23

Left Out: 57.638+/-0.199 χ^2/NDF:4612.7/24

Right Out: 77.670+/-0.247 χ^2/NDF: 11392.8/27

Left In: 58.117+/-0.204 χ^2/NDF:3443.9/22

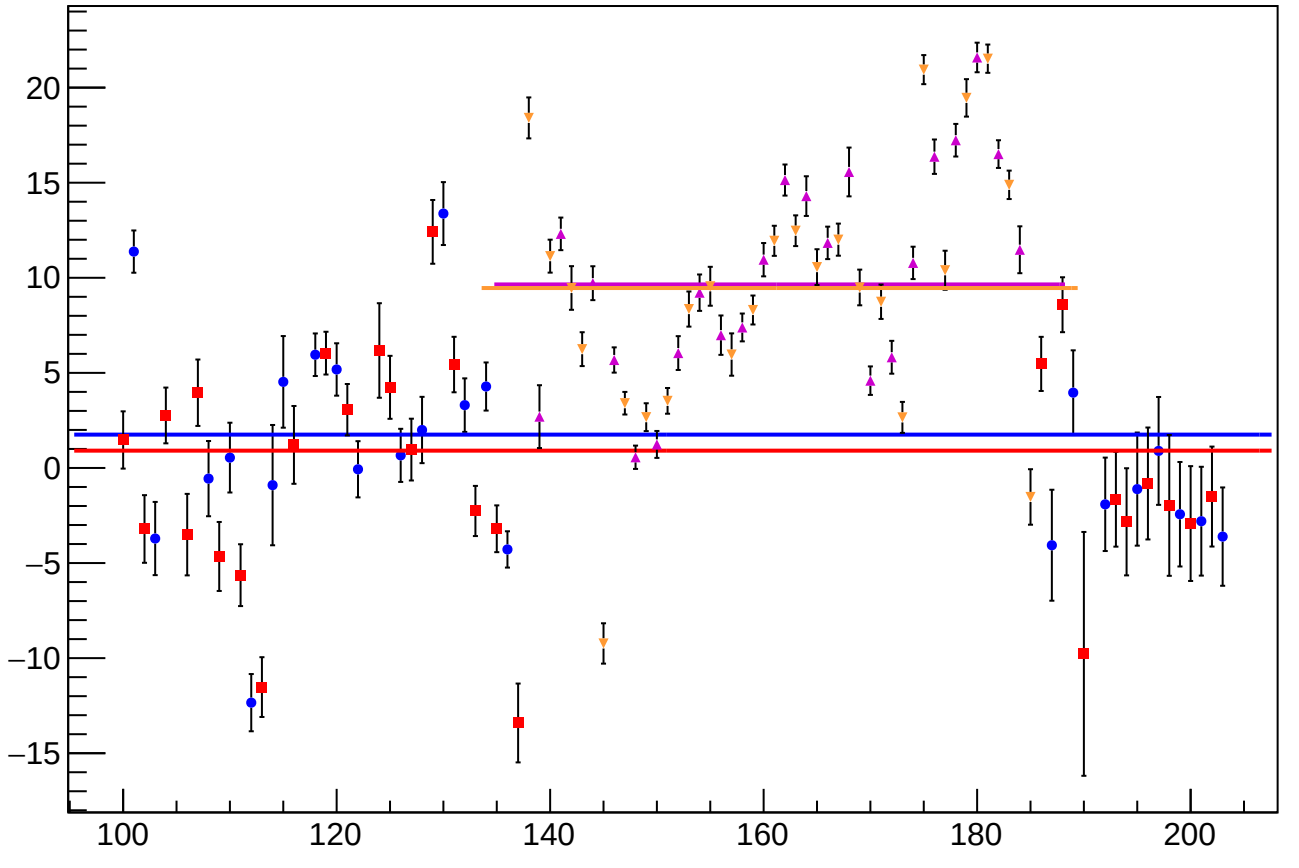
Left: 57.872+/-0.142 χ^2/NDF: 8059.4/47

Right: 77.617+/-0.186 χ^2/NDF: 15607.1/51

In: 64.728+/-0.166 χ^2/NDF:10749.1/46

Out: 65.529+/-0.155 χ^2/NDF:19986.5/52

All: 65.154+/-0.113 χ^2/NDF: 30748.1/99



Right In: 1.753+/-0.339 χ^2/NDF: 309.0/23

Left Out: 9.461+/-0.172 χ^2/NDF:1483.1/24

Right Out: 0.910+/-0.327 χ^2/NDF: 303.4/27

Left In: 9.650+/-0.177 χ^2/NDF:1078.5/22

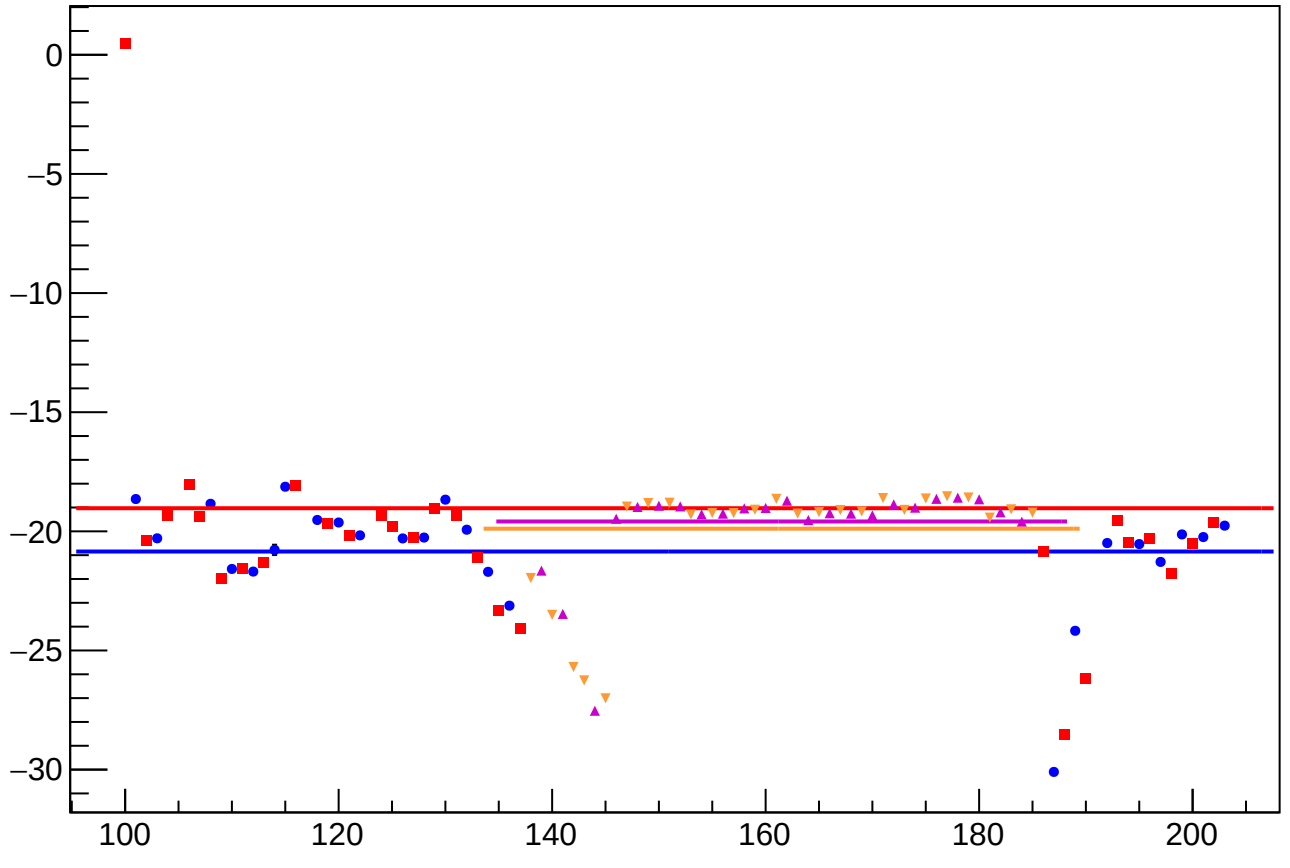
Left: 9.553+/-0.123 χ^2/NDF: 2562.3/47

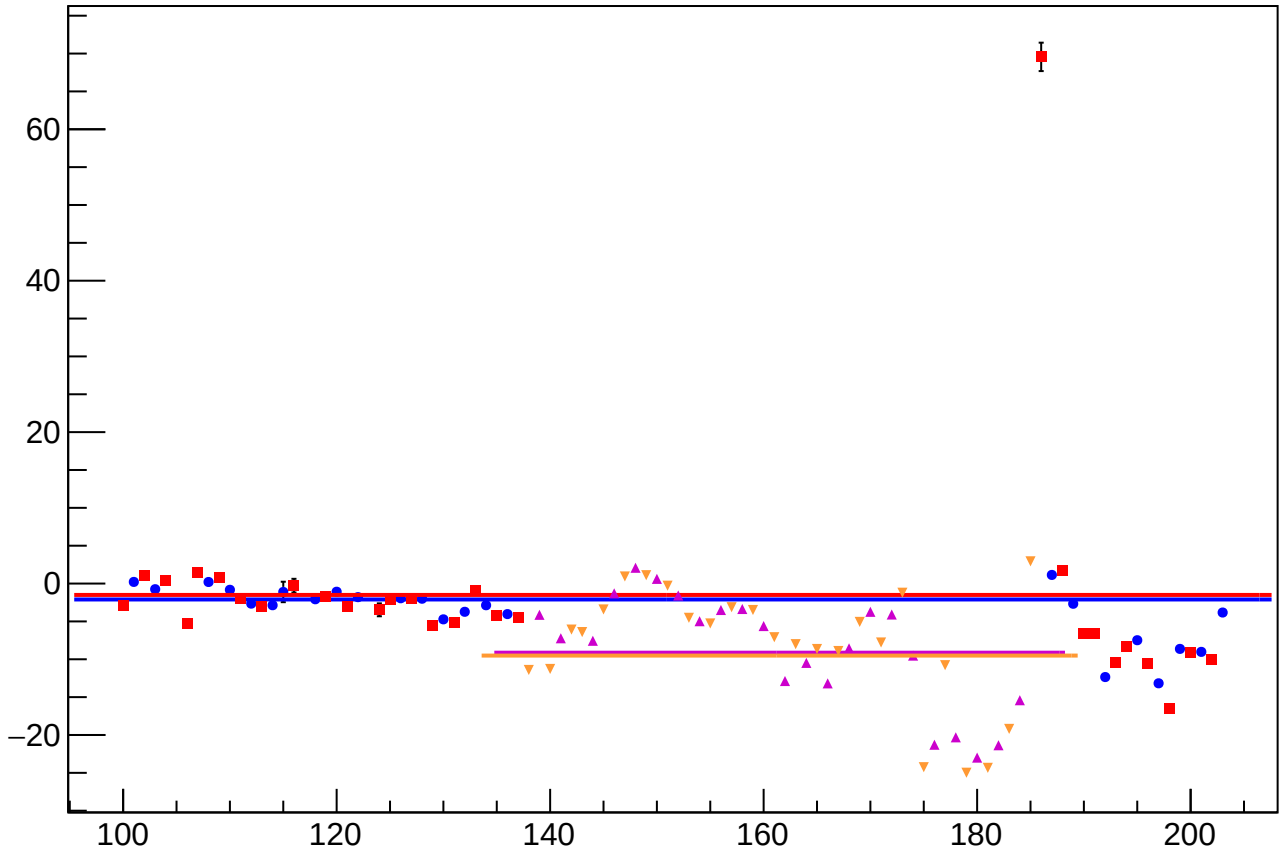
Right: 1.316+/-0.235 χ^2/NDF: 615.6/51

In: 7.966+/-0.157 χ^2/NDF:1813.9/46

Out: 7.612+/-0.152 χ^2/NDF:2323.0/52

All: 7.784+/-0.109 χ^2/NDF: 4139.5/99


reg_asym_right_dd_diff_bpm12X_slope vs Slug, Sign Corrected
0
−5
−10
−15
−20
−25
−30
100
120
140
160
180
200
Right In: -20.847+/-0.017 χ²/NDF: 12087.2/23
Left Out: -19.889+/-0.008 χ²/NDF:78512.6/24
Right Out: -19.030+/-0.016 χ²/NDF: 171653.5/27
Left In: -19.586+/-0.008 χ²/NDF:45085.3/22
Left: -19.739+/-0.006 χ²/NDF: 124326.8/47
Right: -19.898+/-0.012 χ²/NDF: 189919.8/51
In: -19.820+/-0.007 χ²/NDF:61811.4/46
Out: -19.721+/-0.007 χ²/NDF:252490.9/52
All: -19.769+/-0.005 χ²/NDF: 314398.8/99



Right In: -2.102+/-0.051 χ^2/NDF: 3310.1/23

Left Out: -9.512+/-0.073 χ^2/NDF:12916.4/24

Right Out: -1.502+/-0.047 χ^2/NDF: 6853.9/28

Left In: -9.131+/-0.075 χ^2/NDF:10390.6/22

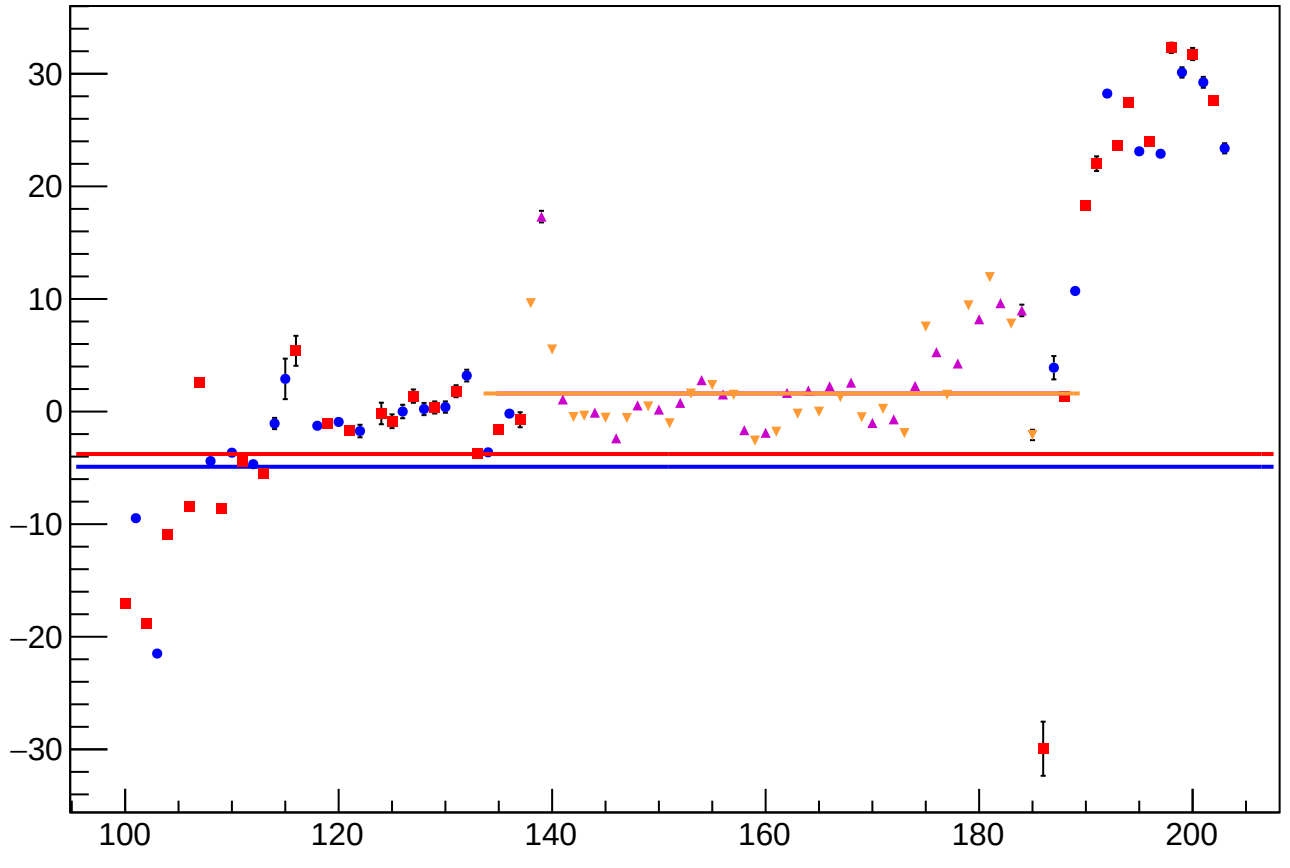
Left: -9.327+/-0.052 χ^2/NDF: 23320.3/47

Right: -1.776+/-0.034 χ^2/NDF: 10239.8/52

In: -4.321+/-0.042 χ^2/NDF:19748.4/46

Out: -3.834+/-0.039 χ^2/NDF:28390.5/53

All: -4.060+/-0.029 χ^2/NDF: 48210.7/100



Right In: -4.903+/-0.053 χ^2/NDF: 52322.7/23

Left Out: 1.606+/-0.055 χ^2/NDF:4677.2/24

Right Out: -3.771+/-0.053 χ^2/NDF: 57318.6/28

Left In: 1.605+/-0.058 χ^2/NDF:3656.4/22

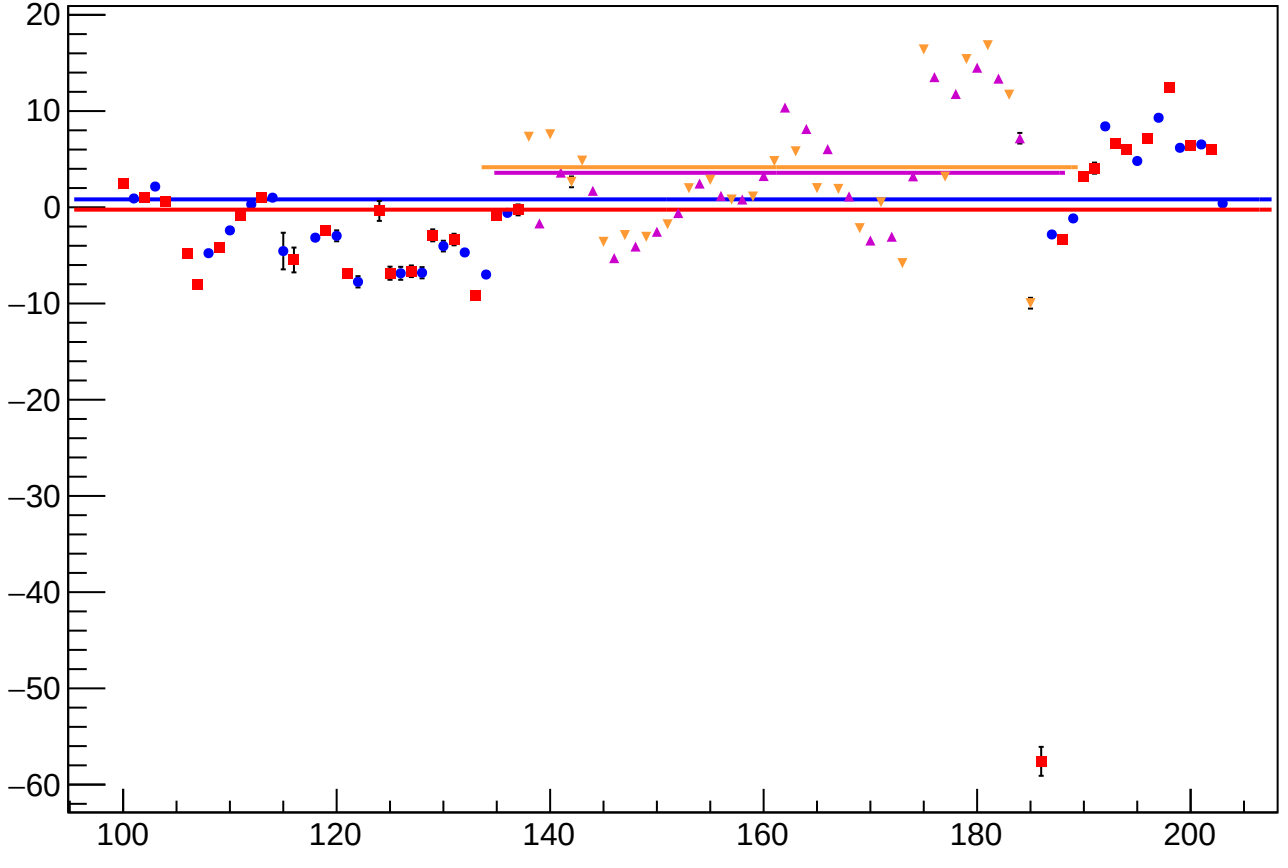
Left: 1.605+/-0.040 χ^2/NDF: 8333.6/47

Right: -4.330+/-0.038 χ^2/NDF: 109868.1/52

In: -1.895+/-0.039 χ^2/NDF:62826.1/46

Out: -1.200+/-0.038 χ^2/NDF:66952.0/53

All: -1.538+/-0.027 χ^2/NDF: 129939.2/100



Right In: 0.824+/-0.049 χ^2/NDF: 4145.1/23

Left Out: 4.167+/-0.072 χ^2/NDF:9246.5/24

Right Out: -0.246+/-0.047 χ^2/NDF: 8121.1/28

Left In: 3.584+/-0.074 χ^2/NDF:7228.4/22

Left: 3.883+/-0.052 χ^2/NDF: 16506.8/47

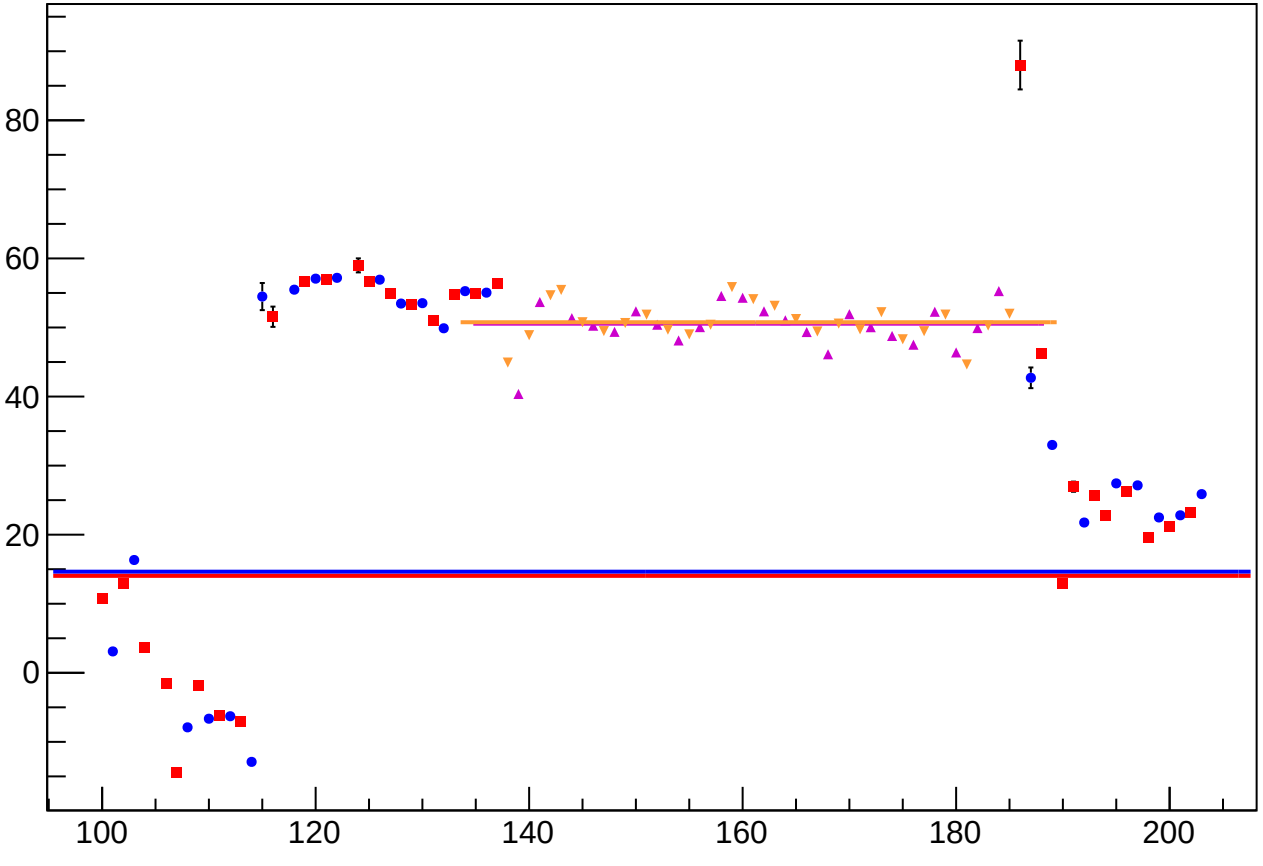
Right: 0.270+/-0.034 χ^2/NDF: 12515.9/52

In: 1.659+/-0.041 χ^2/NDF:12344.9/46

Out: 1.069+/-0.039 χ^2/NDF:19996.6/53

All: 1.354+/-0.028 χ^2/NDF: 32450.0/100

reg_asym_sam_15_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 14.642+/-0.064 χ^2/NDF: 113151.6/23

Left Out: 50.761+/-0.062 χ^2/NDF:1748.6/24

Right Out: 14.038+/-0.063 χ^2/NDF: 129276.8/28

Left In: 50.550+/-0.065 χ^2/NDF:1717.7/22

Left: 50.659+/-0.045 χ^2/NDF: 3471.7/47

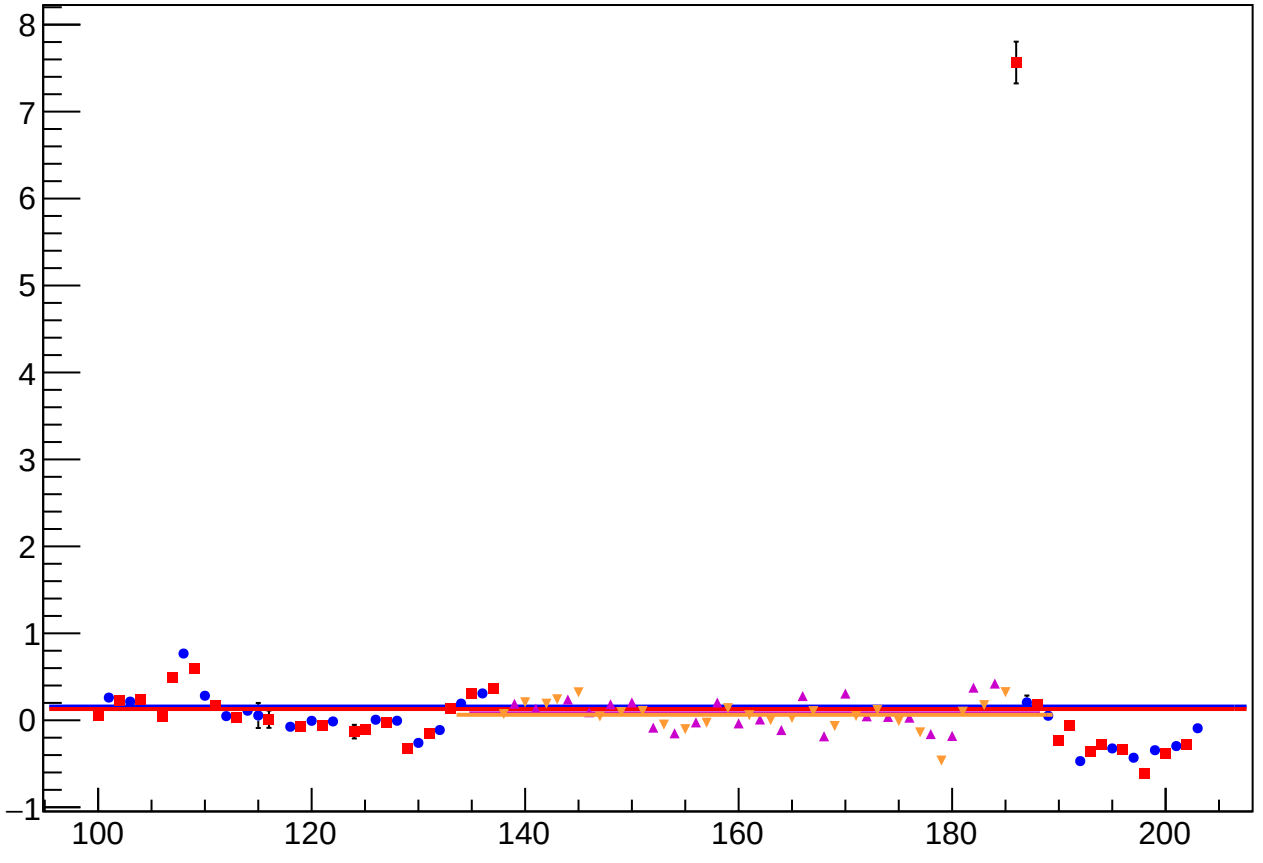
Right: 14.336+/-0.045 χ^2/NDF: 242473.8/52

In: 32.317+/-0.045 χ^2/NDF:270939.7/46

Out: 32.524+/-0.044 χ^2/NDF:302812.0/53

All: 32.423+/-0.032 χ^2/NDF: 573762.4/100

reg_asym_sam_15_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.158+/-0.003 χ^2/NDF: 12576.4/23

Left Out: 0.063+/-0.003 χ^2/NDF:2566.7/24

Right Out: 0.130+/-0.002 χ^2/NDF: 12481.5/28

Left In: 0.080+/-0.003 χ^2/NDF:3446.5/22

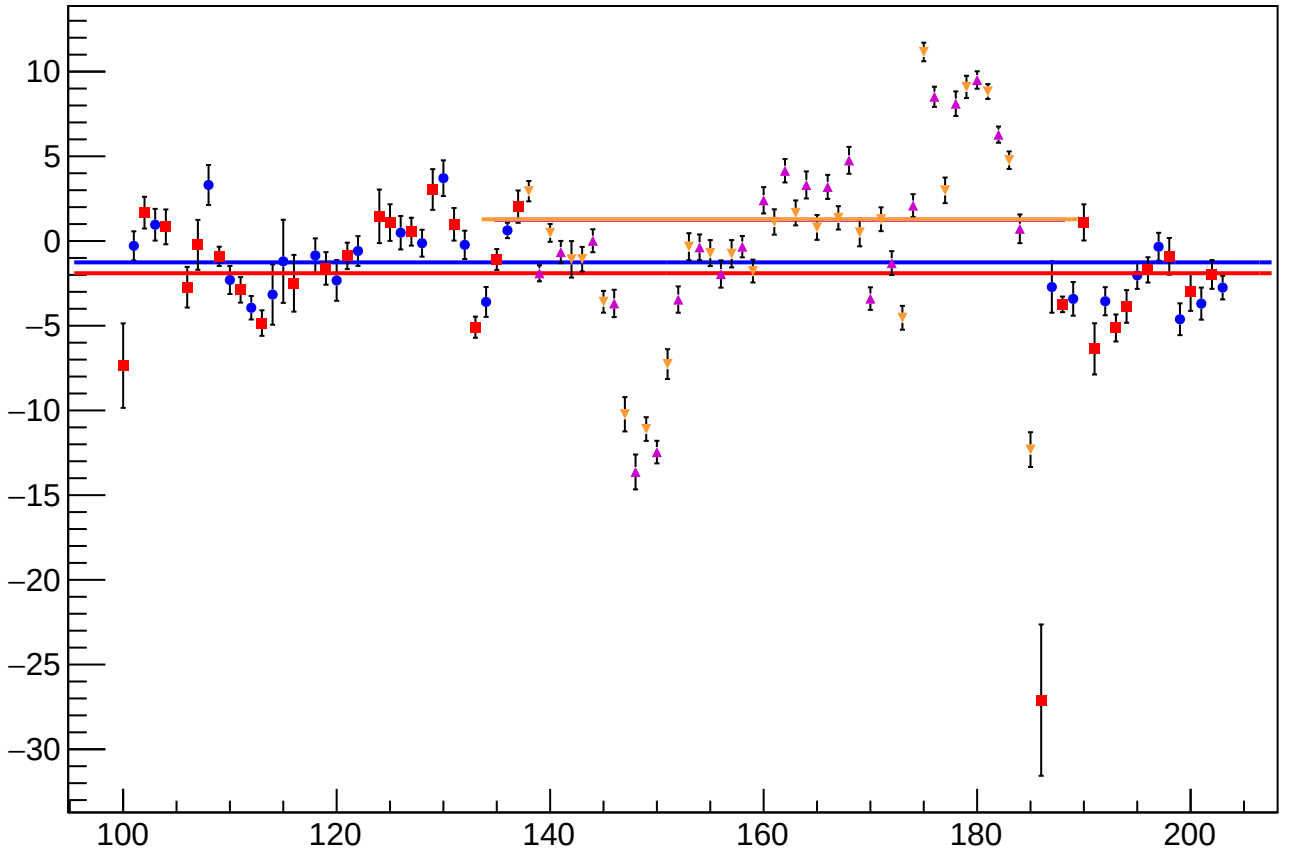
Left: 0.071+/-0.002 χ^2/NDF: 6029.9/47

Right: 0.143+/-0.002 χ^2/NDF: 25123.7/52

In: 0.123+/-0.002 χ^2/NDF:16451.0/46

Out: 0.101+/-0.002 χ^2/NDF:15367.2/53

All: 0.112+/-0.001 χ^2/NDF: 31891.2/100



Right In: -1.261+/-0.178 χ^2/NDF: 133.6/23

Left Out: 1.283+/-0.137 χ^2/NDF:1715.5/24

Right Out: -1.901+/-0.163 χ^2/NDF: 228.9/28

Left In: 1.247+/-0.140 χ^2/NDF:1512.4/22

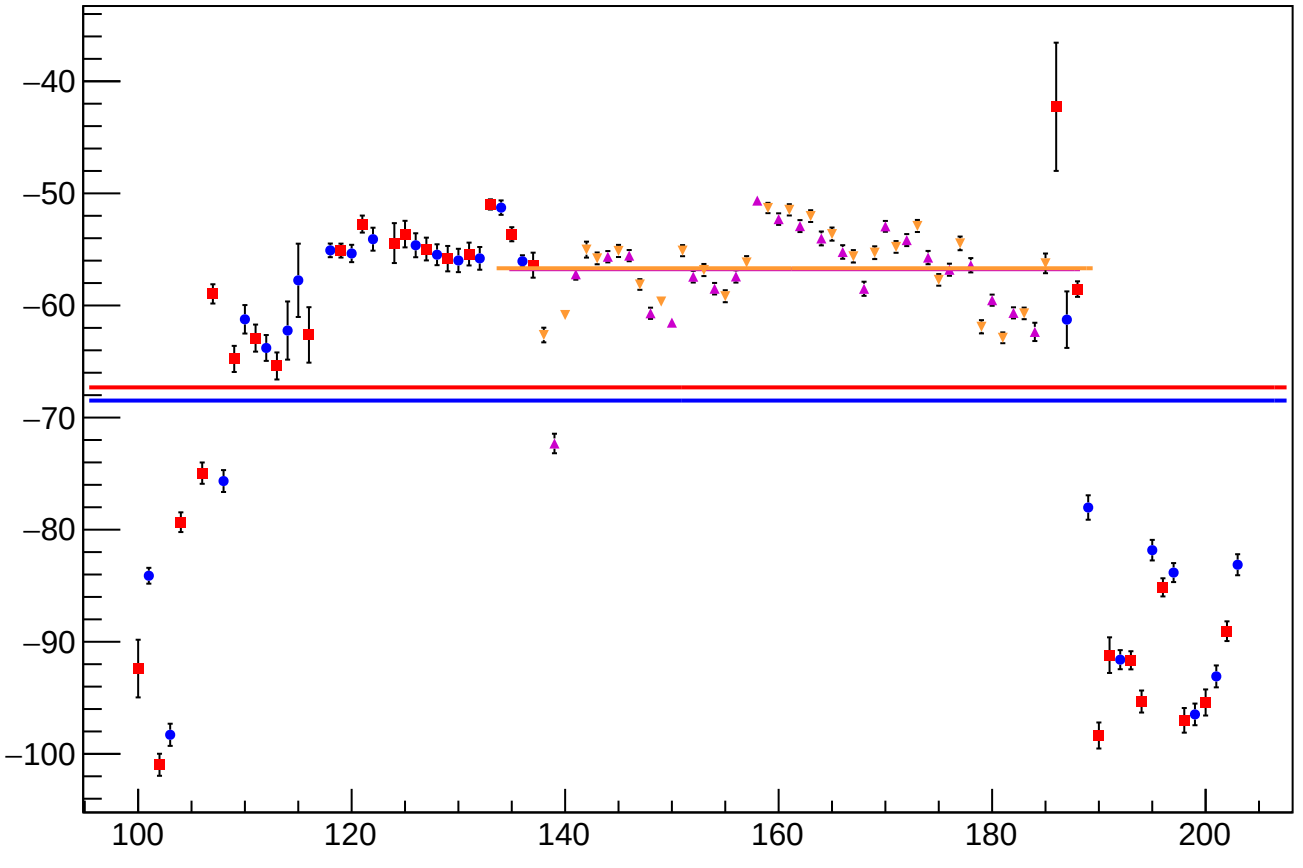
Left: 1.265+/-0.098 χ^2/NDF: 3228.0/47

Right: -1.609+/-0.120 χ^2/NDF: 369.5/52

In: 0.286+/-0.110 χ^2/NDF:1768.1/46

Out: -0.032+/-0.105 χ^2/NDF:2167.6/53

All: 0.119+/-0.076 χ^2/NDF: 3940.0/100



Right In: -68.483+/-0.186 χ^2/NDF: 7484.5/23

Left Out: -56.680+/-0.107 χ^2/NDF:1014.5/24

Right Out: -67.306+/-0.172 χ^2/NDF: 10063.4/28

Left In: -56.765+/-0.112 χ^2/NDF:1108.9/22

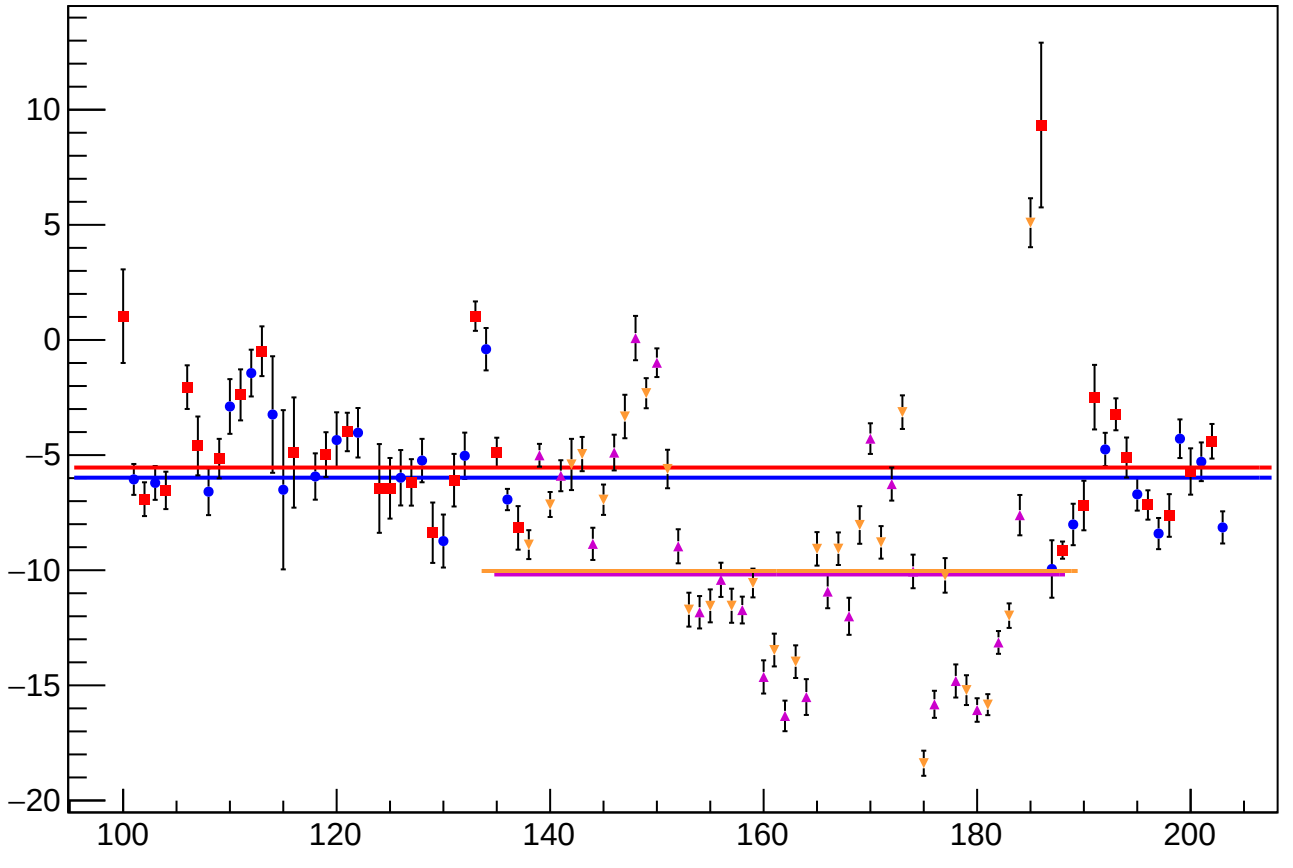
Left: -56.721+/-0.077 χ^2/NDF: 2123.6/47

Right: -67.852+/-0.126 χ^2/NDF: 17569.5/52

In: -59.894+/-0.096 χ^2/NDF:11518.0/46

Out: -59.642+/-0.091 χ^2/NDF:13815.9/53

All: -59.761+/-0.066 χ^2/NDF: 25337.5/100



Right In: -5.980+/-0.177 χ^2/NDF: 128.1/23

Left Out: -10.034+/-0.136 χ^2/NDF:1182.4/24

Right Out: -5.541+/-0.161 χ^2/NDF: 326.2/28

Left In: -10.184+/-0.139 χ^2/NDF:1142.6/22

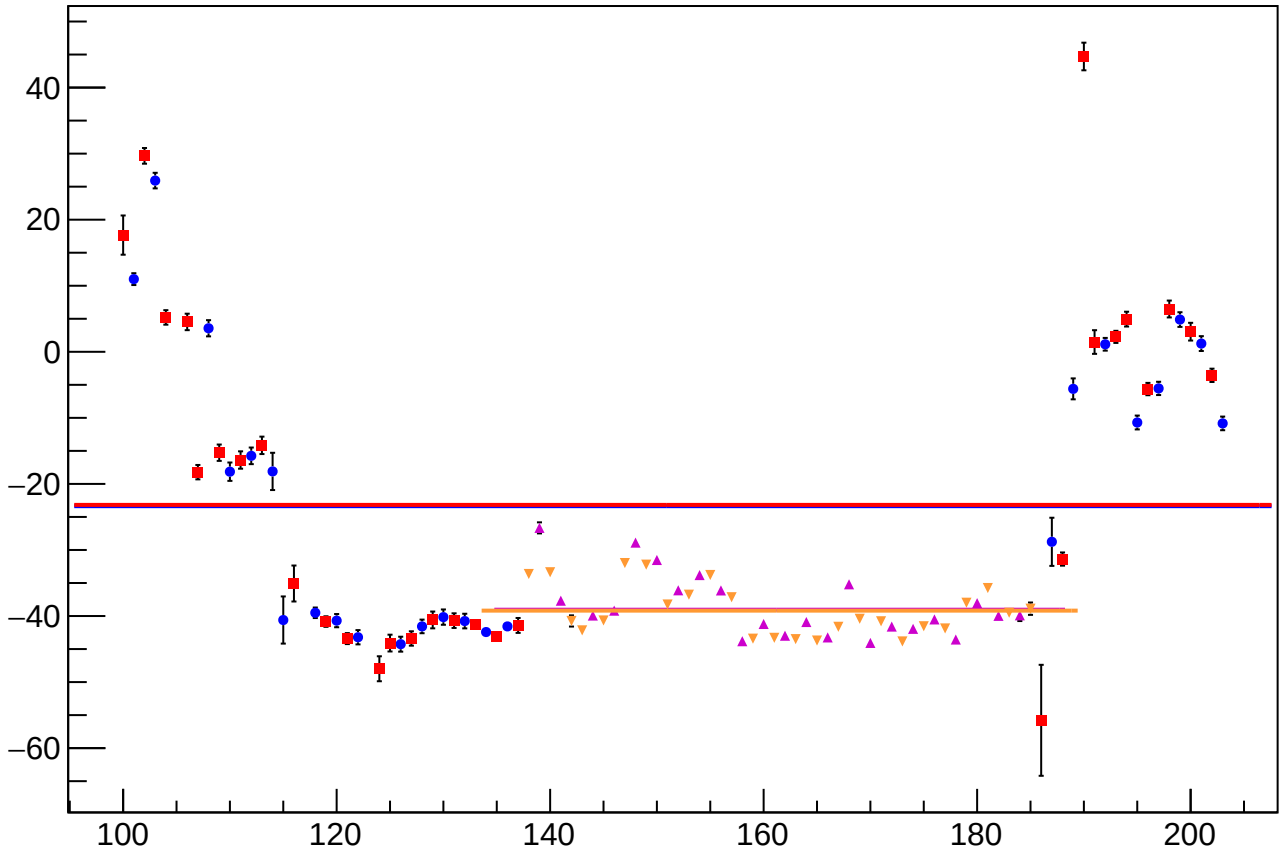
Left: -10.107+/-0.097 χ^2/NDF: 2325.6/47

Right: -5.739+/-0.119 χ^2/NDF: 457.6/52

In: -8.583+/-0.109 χ^2/NDF:1618.4/46

Out: -8.159+/-0.104 χ^2/NDF:1962.7/53

All: -8.360+/-0.075 χ^2/NDF: 3589.0/100



Right In: -23.370+/-0.213 χ^2/NDF: 10287.6/23

Left Out: -39.183+/-0.120 χ^2/NDF:1034.1/24

Right Out: -23.176+/-0.202 χ^2/NDF: 12453.4/28

Left In: -39.044+/-0.124 χ^2/NDF:1226.4/22

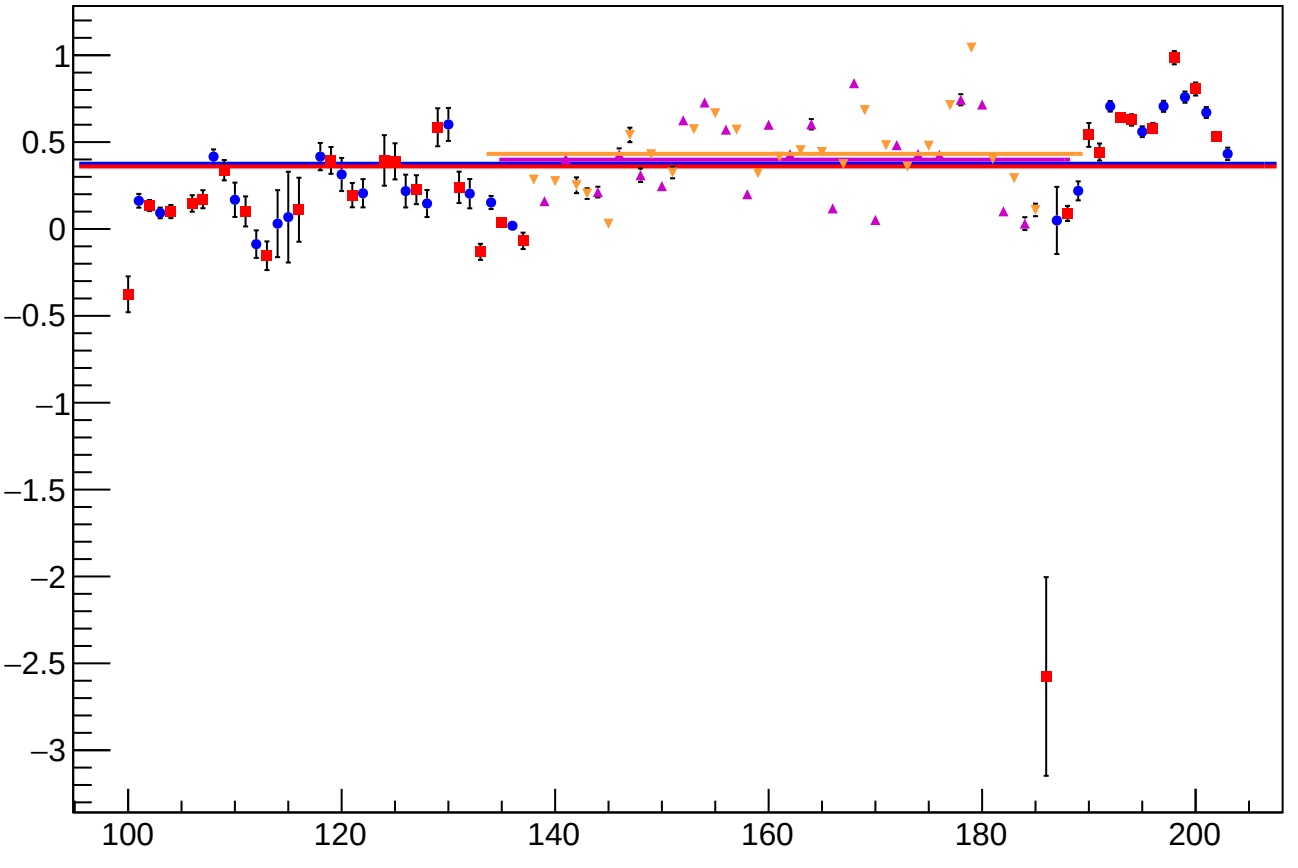
Left: -39.116+/-0.086 χ^2/NDF: 2261.1/47

Right: -23.268+/-0.146 χ^2/NDF: 22741.4/52

In: -35.062+/-0.107 χ^2/NDF:15557.0/46

Out: -35.004+/-0.103 χ^2/NDF:18132.8/53

All: -35.032+/-0.074 χ^2/NDF: 33689.9/100



Right In: 0.375+/-0.009 χ^2/NDF: 998.7/23

Left Out: 0.432+/-0.005 χ^2/NDF:1368.7/24

Right Out: 0.360+/-0.009 χ^2/NDF: 1345.1/28

Left In: 0.399+/-0.005 χ^2/NDF:1923.8/22

Left: 0.416+/-0.004 χ^2/NDF: 3312.1/47

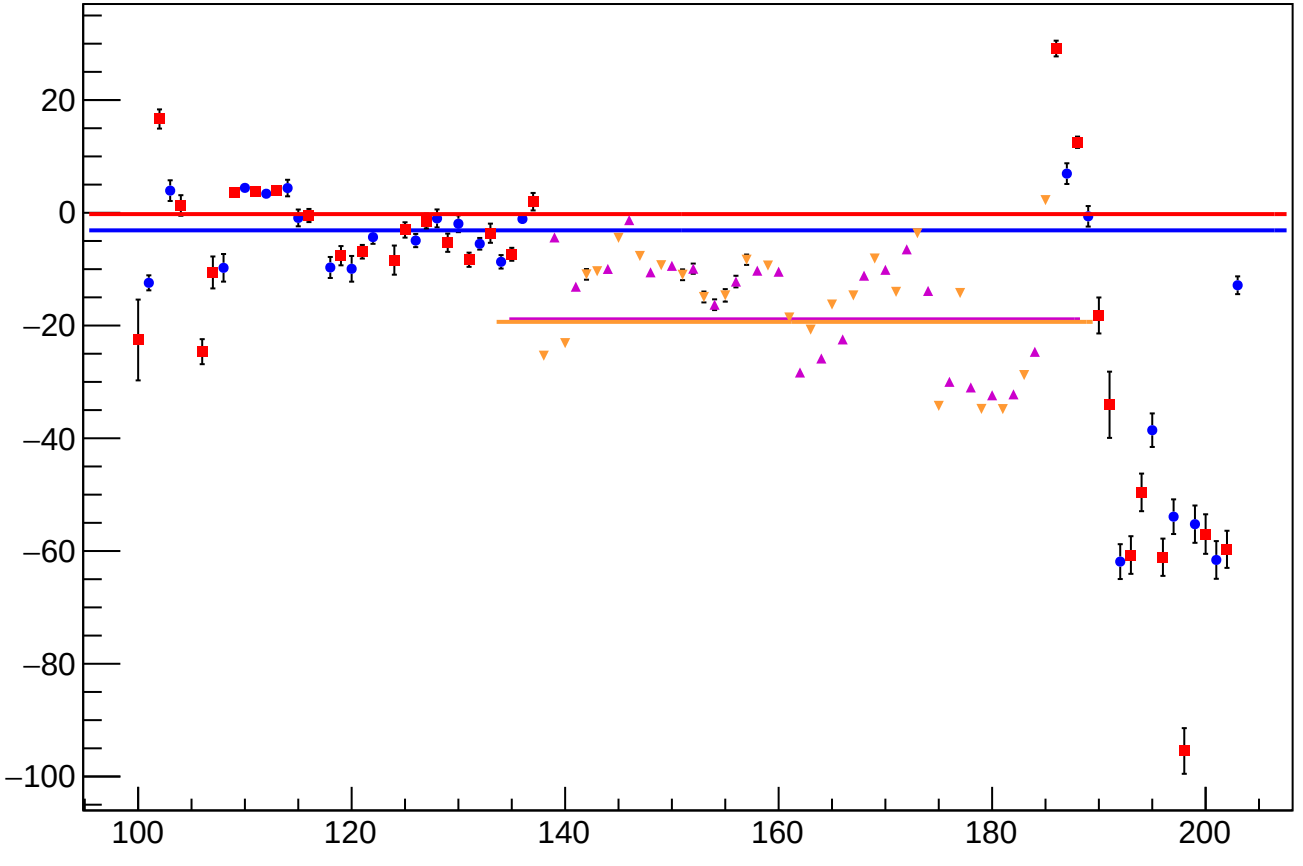
Right: 0.367+/-0.006 χ^2/NDF: 2345.3/52

In: 0.393+/-0.005 χ^2/NDF:2927.6/46

Out: 0.412+/-0.005 χ^2/NDF:2765.7/53

All: 0.403+/-0.003 χ^2/NDF: 5702.5/100

reg_asym_sam_37_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -3.115+/-0.265 χ^2/NDF: 1783.5/23

Left Out: -19.347+/-0.113 χ^2/NDF:10394.7/24

Right Out: -0.231+/-0.248 χ^2/NDF: 3219.8/28

Left In: -18.902+/-0.116 χ^2/NDF:8286.2/22

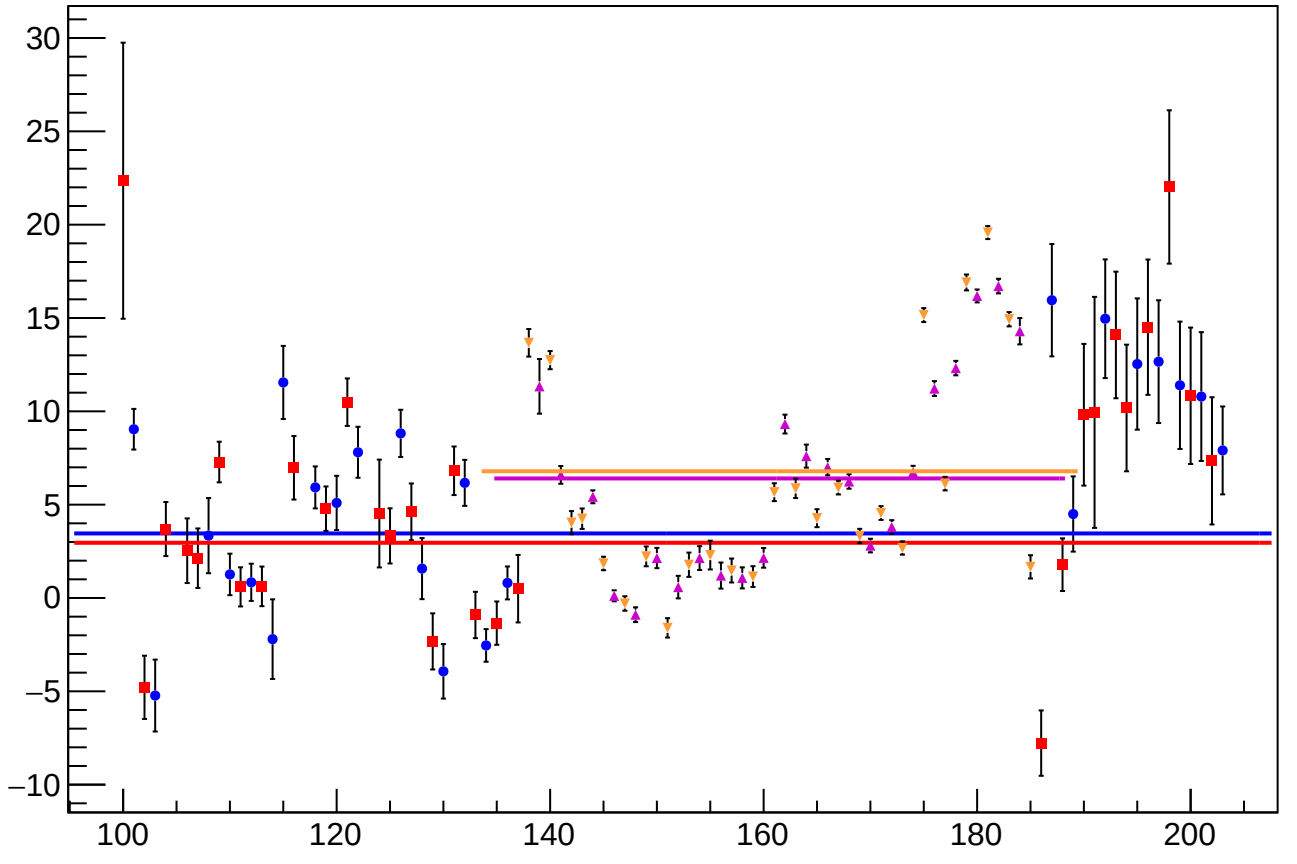
Left: -19.130+/-0.081 χ^2/NDF: 18688.5/47

Right: -1.576+/-0.181 χ^2/NDF: 5066.3/52

In: -16.363+/-0.106 χ^2/NDF:13041.1/46

Out: -16.044+/-0.103 χ^2/NDF:18527.9/53

All: -16.199+/-0.074 χ^2/NDF: 31573.6/100



Right In: 3.458+/-0.299 χ^2/NDF: 262.3/23

Left Out: 6.788+/-0.090 χ^2/NDF:4632.5/24

Right Out: 2.958+/-0.301 χ^2/NDF: 241.2/28

Left In: 6.404+/-0.091 χ^2/NDF:3410.4/22

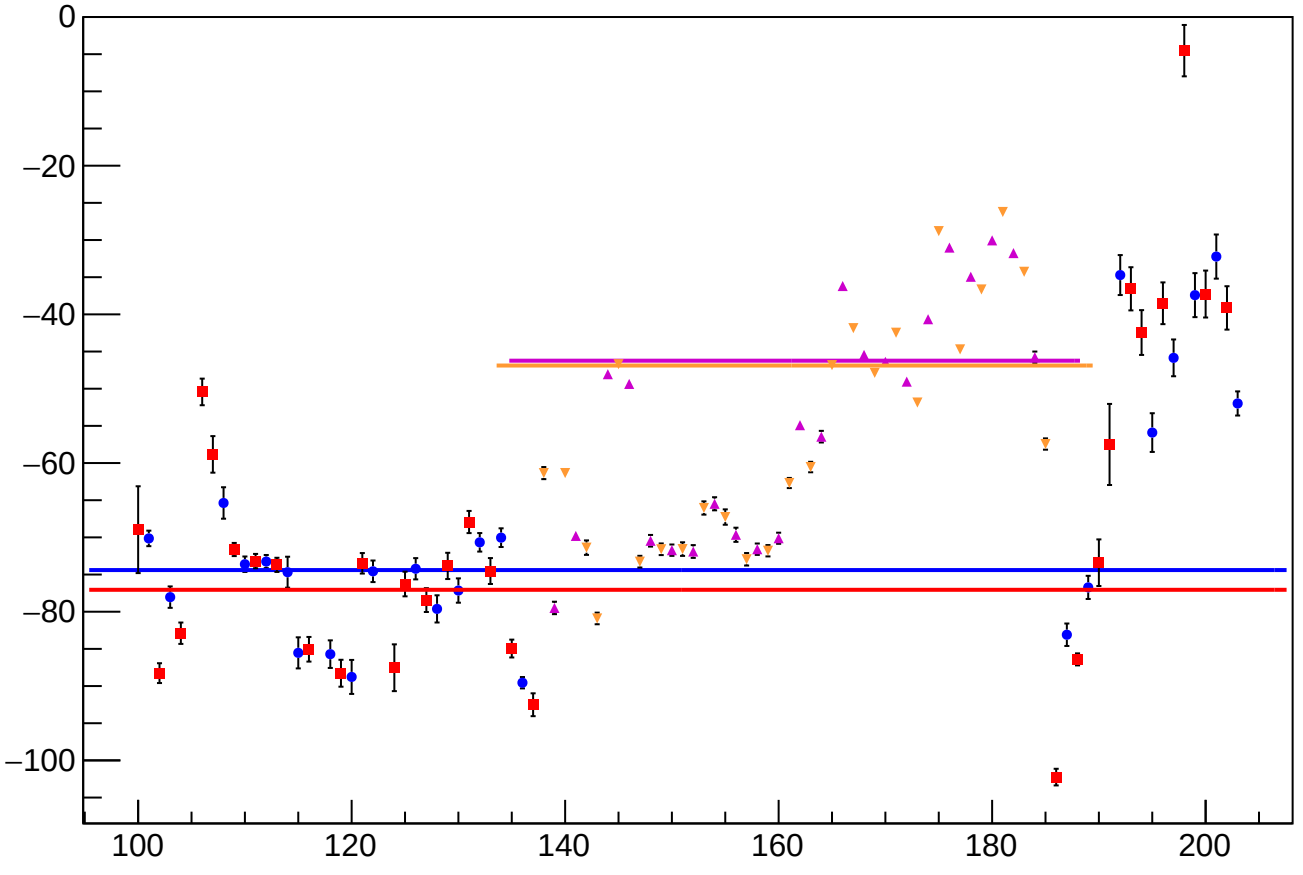
Left: 6.598+/-0.064 χ^2/NDF: 8051.9/47

Right: 3.210+/-0.212 χ^2/NDF: 504.8/52

In: 6.154+/-0.087 χ^2/NDF:3761.4/46

Out: 6.473+/-0.086 χ^2/NDF:5022.1/53

All: 6.315+/-0.061 χ^2/NDF: 8790.2/100



Right In: -74.397+/-0.297 χ^2/NDF: 1558.3/23

Left Out: -46.883+/-0.114 χ^2/NDF:17974.5/24

Right Out: -77.053+/-0.284 χ^2/NDF: 2636.1/28

Left In: -46.231+/-0.116 χ^2/NDF:15169.3/22

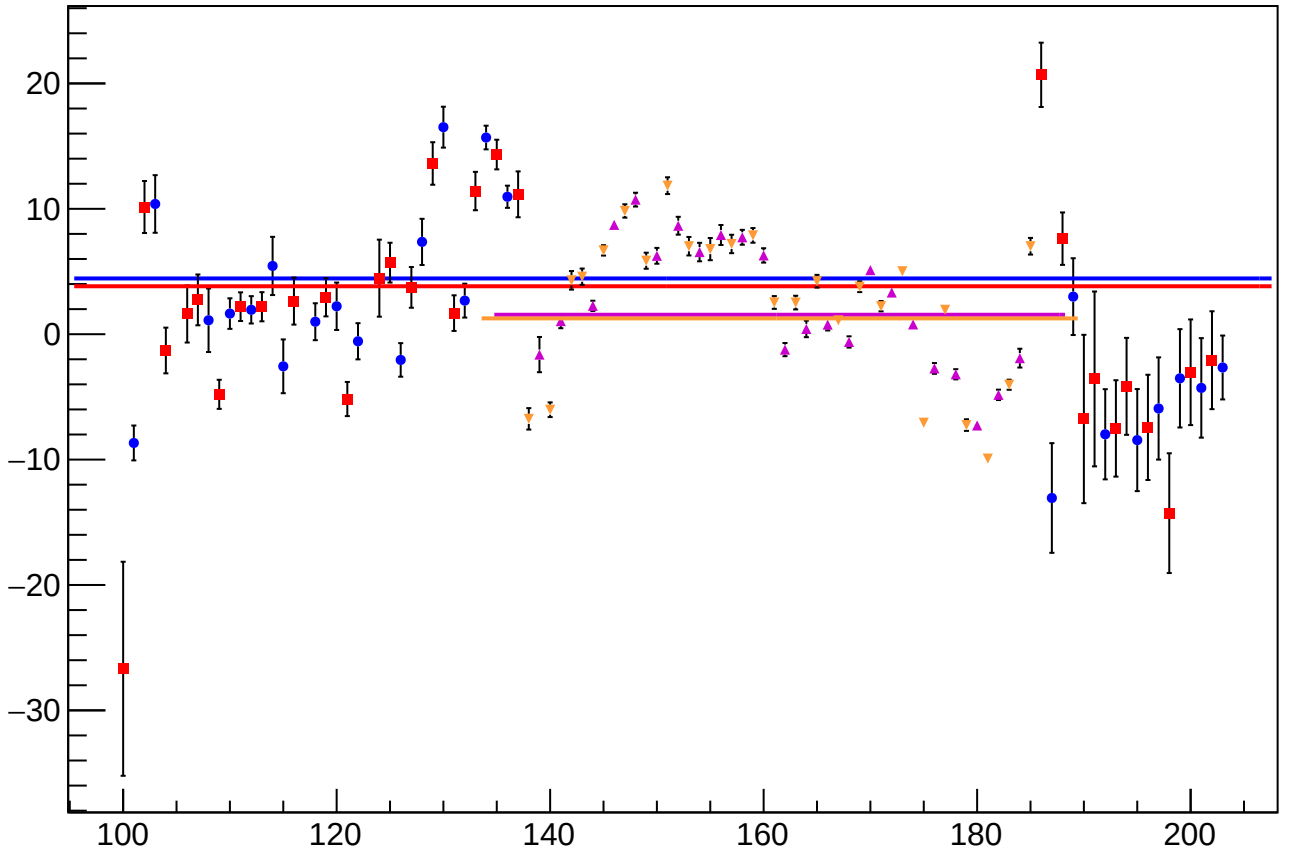
Left: -46.563+/-0.081 χ^2/NDF: 33159.8/47

Right: -75.786+/-0.205 χ^2/NDF: 4236.1/52

In: -49.963+/-0.108 χ^2/NDF:24503.8/46

Out: -51.060+/-0.106 χ^2/NDF:30324.5/53

All: -50.525+/-0.076 χ^2/NDF: 54880.9/100



Right In: 4.447+/-0.337 χ^2/NDF: 477.6/23

Left Out: 1.261+/-0.100 χ^2/NDF:3445.7/24

Right Out: 3.824+/-0.344 χ^2/NDF: 381.1/28

Left In: 1.551+/-0.102 χ^2/NDF:2335.7/22

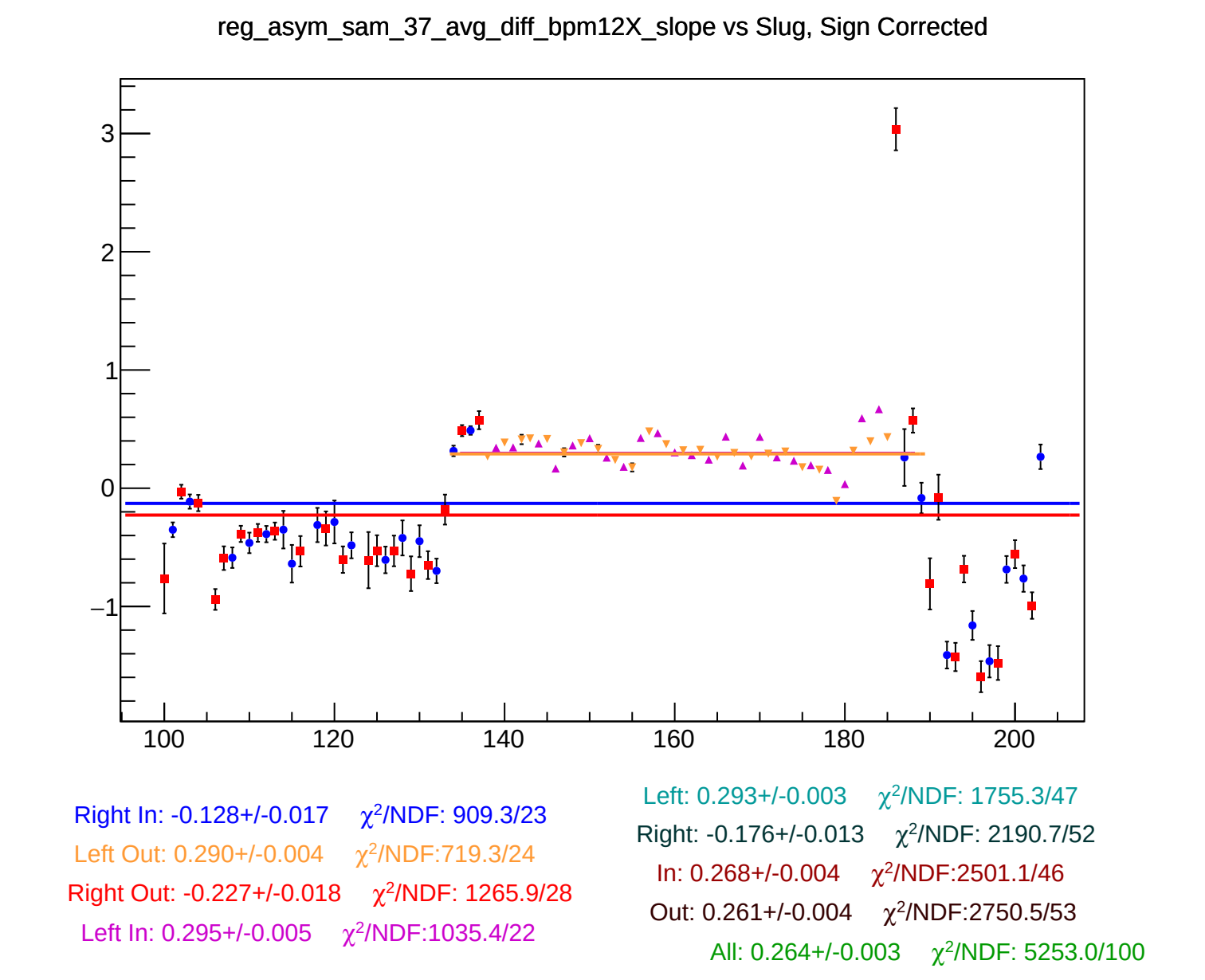
Left: 1.404+/-0.072 χ^2/NDF: 5785.4/47

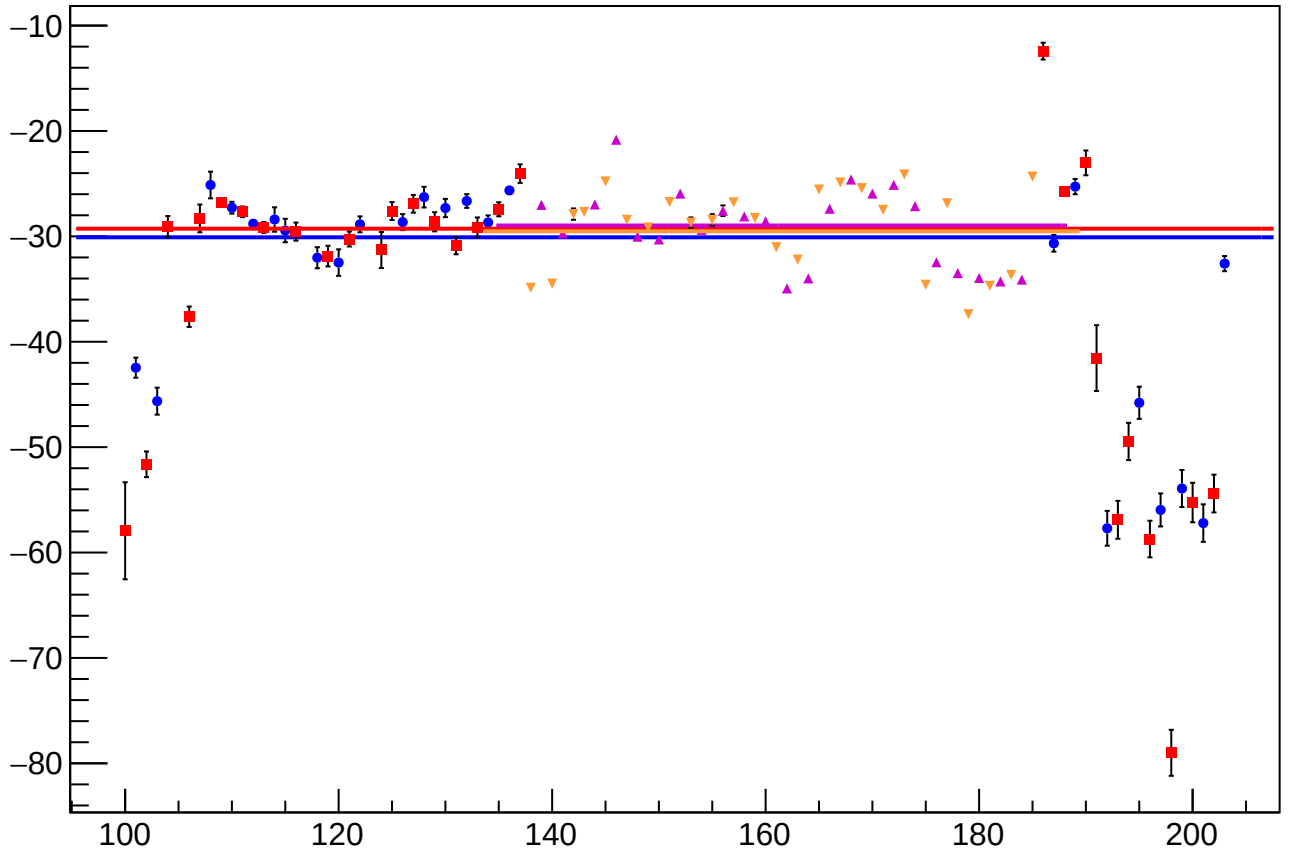
Right: 4.143+/-0.241 χ^2/NDF: 860.3/52

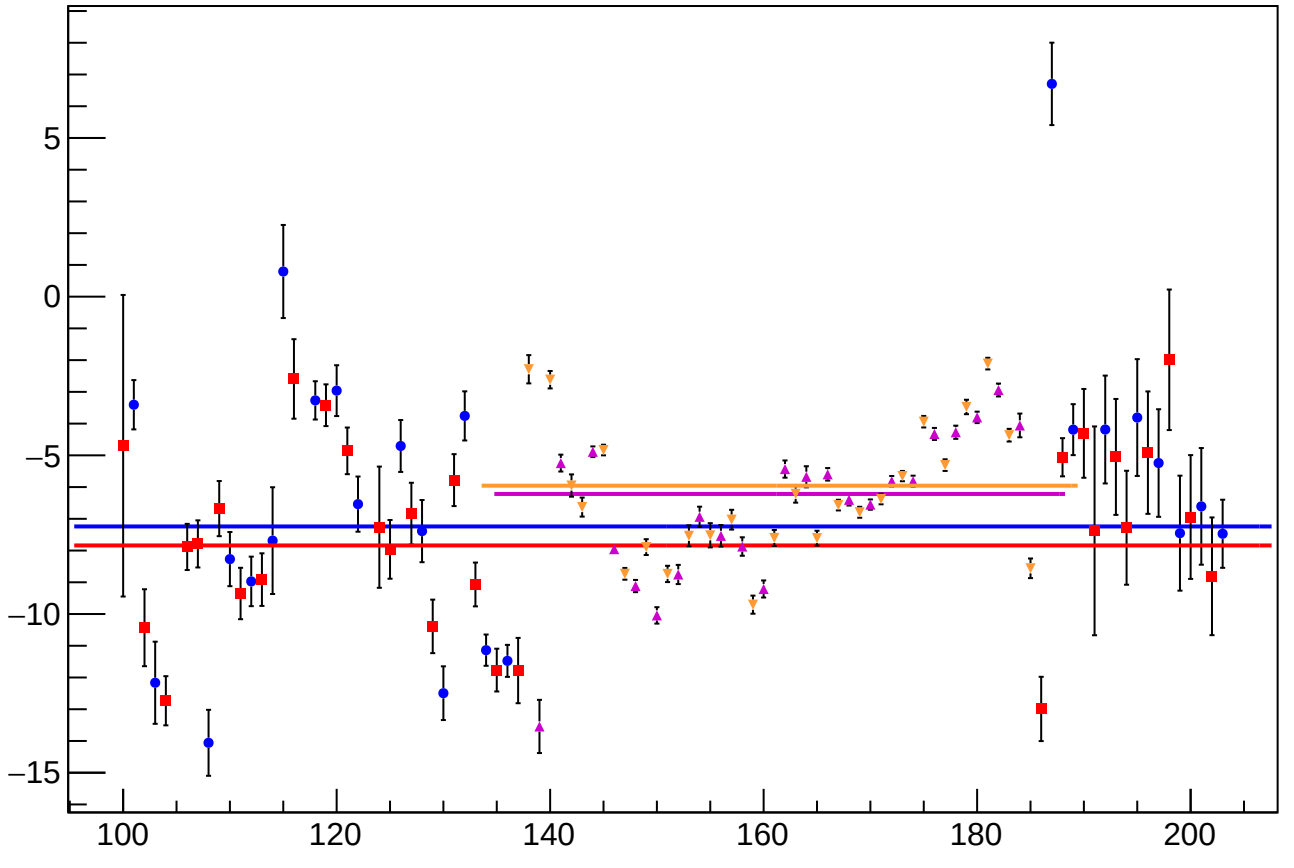
In: 1.794+/-0.098 χ^2/NDF:2881.0/46

Out: 1.462+/-0.096 χ^2/NDF:3877.8/53

All: 1.626+/-0.069 χ^2/NDF: 6764.7/100


reg_asym_sam_37_avg_diff_bpm12X_slope vs Slug, Sign Corrected
3
2
1
0
−1
100
120
140
160
180
200
Right In: -0.128+/-0.017 χ²/NDF: 909.3/23
Left Out: 0.290+/-0.004 χ²/NDF:719.3/24
Right Out: -0.227+/-0.018 χ²/NDF: 1265.9/28
Left In: 0.295+/-0.005 χ²/NDF:1035.4/22
Left: 0.293+/-0.003 χ²/NDF: 1755.3/47
Right: -0.176+/-0.013 χ²/NDF: 2190.7/52
In: 0.268+/-0.004 χ²/NDF:2501.1/46
Out: 0.261+/-0.004 χ²/NDF:2750.5/53
All: 0.264+/-0.003 χ²/NDF: 5253.0/100


reg_asym_sam_37_dd_diff_bpm1X_slope vs Slug, Sign Corrected
−10
−20
−30
−40
−50
−60
−70
−80
100
120
140
160
180
200
Right In: -30.089+/-0.166 χ²/NDF: 1672.9/23
Left Out: -29.516+/-0.056 χ²/NDF:6088.5/24
Right Out: -29.272+/-0.159 χ²/NDF: 2671.9/28
Left In: -28.971+/-0.057 χ²/NDF:5348.6/22
Left: -29.247+/-0.040 χ²/NDF: 11483.3/47
Right: -29.661+/-0.115 χ²/NDF: 4357.5/52
In: -29.089+/-0.054 χ²/NDF:7062.1/46
Out: -29.489+/-0.053 χ²/NDF:8762.5/53
All: -29.292+/-0.038 χ²/NDF: 15852.5/100



Right In: -7.241+/-0.180 χ^2/NDF: 530.7/23

Left Out: -5.956+/-0.044 χ^2/NDF:1857.8/24

Right Out: -7.839+/-0.177 χ^2/NDF: 265.3/28

Left In: -6.217+/-0.044 χ^2/NDF:1741.8/22

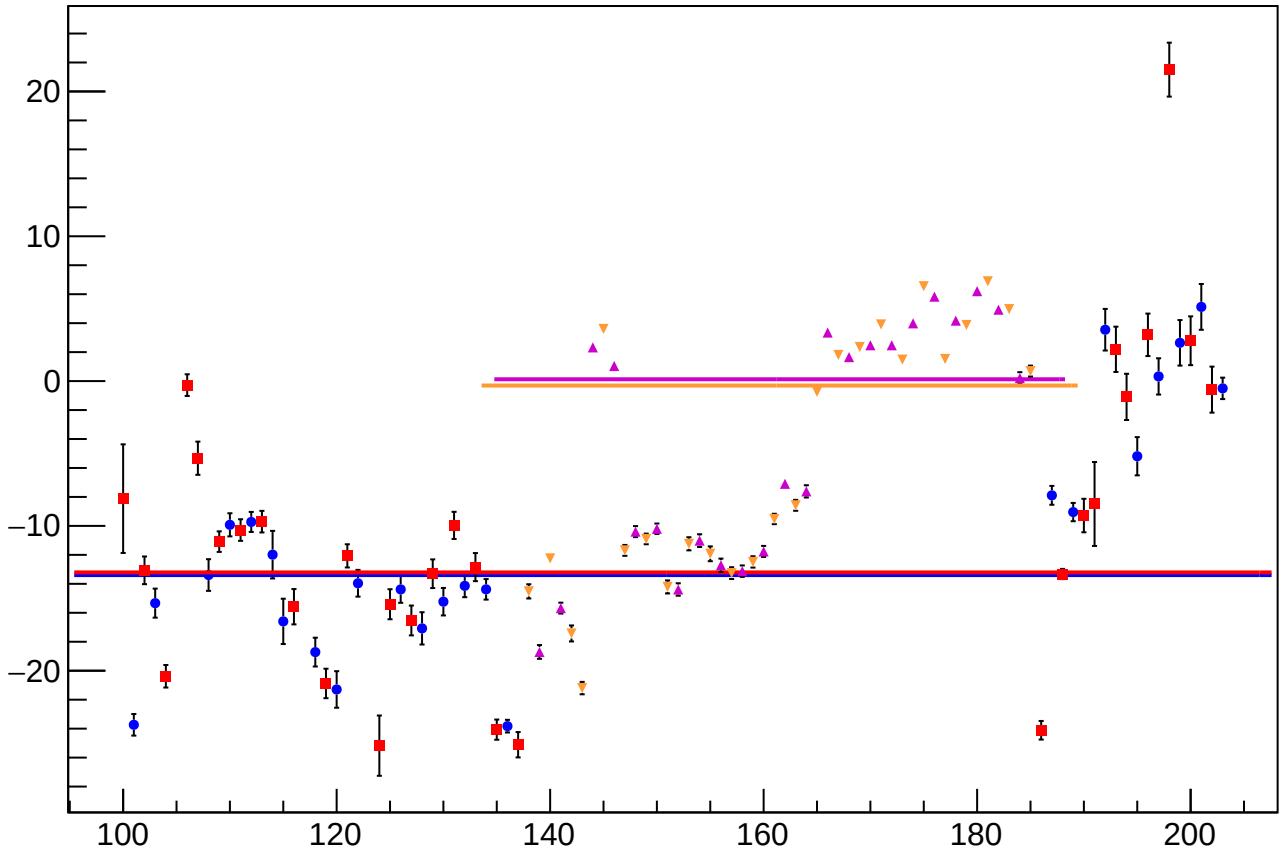
Left: -6.087+/-0.031 χ^2/NDF: 3616.9/47

Right: -7.544+/-0.126 χ^2/NDF: 801.5/52

In: -6.275+/-0.043 χ^2/NDF:2303.0/46

Out: -6.067+/-0.043 χ^2/NDF:2229.3/53

All: -6.172+/-0.030 χ^2/NDF: 4543.9/100



Right In: -13.396+/-0.177 χ^2/NDF: 1863.9/23

Left Out: -0.306+/-0.057 χ^2/NDF:17181.6/24

Right Out: -13.212+/-0.166 χ^2/NDF: 2111.0/28

Left In: 0.125+/-0.057 χ^2/NDF:13838.6/22

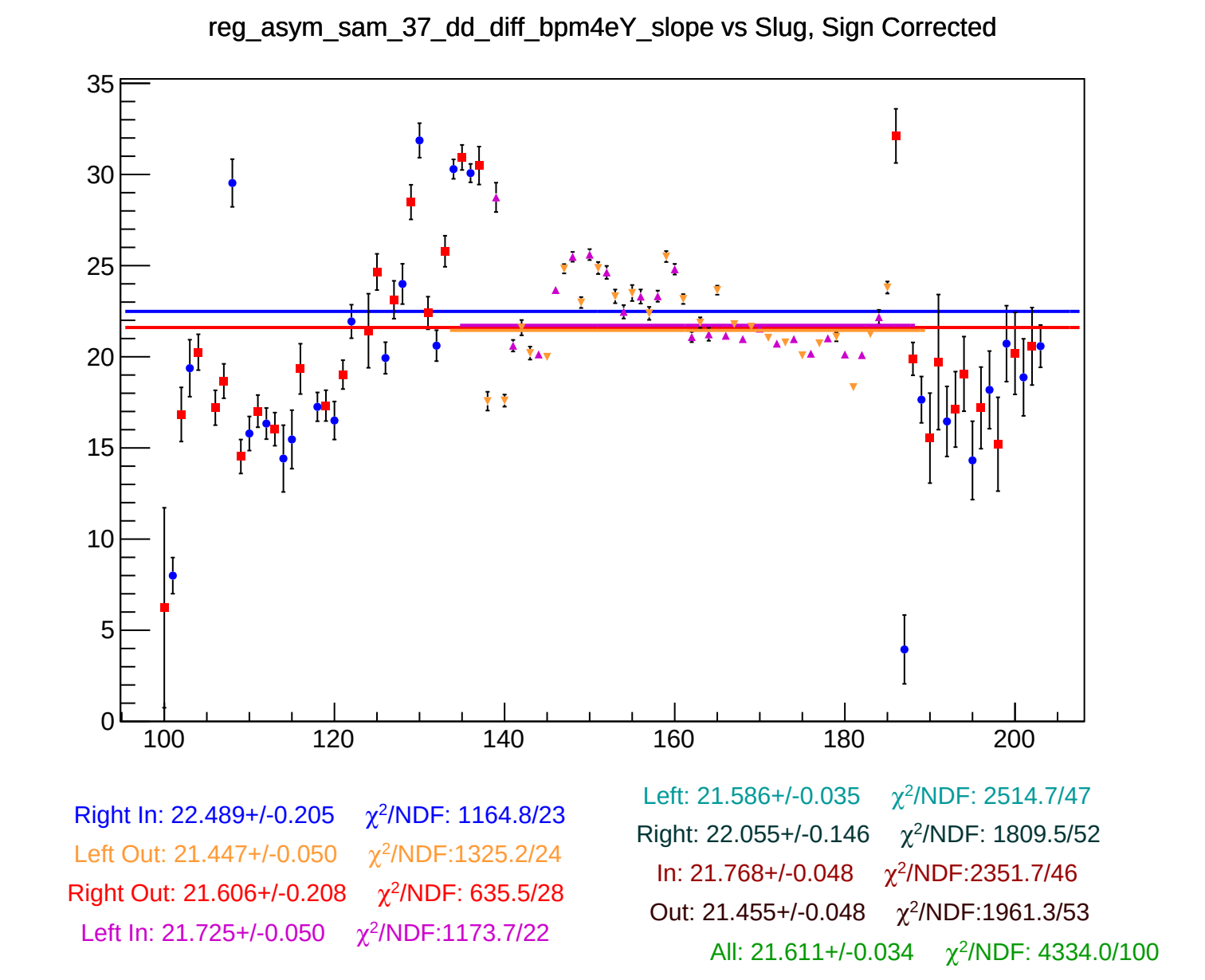
Left: -0.092+/-0.040 χ^2/NDF: 31049.0/47

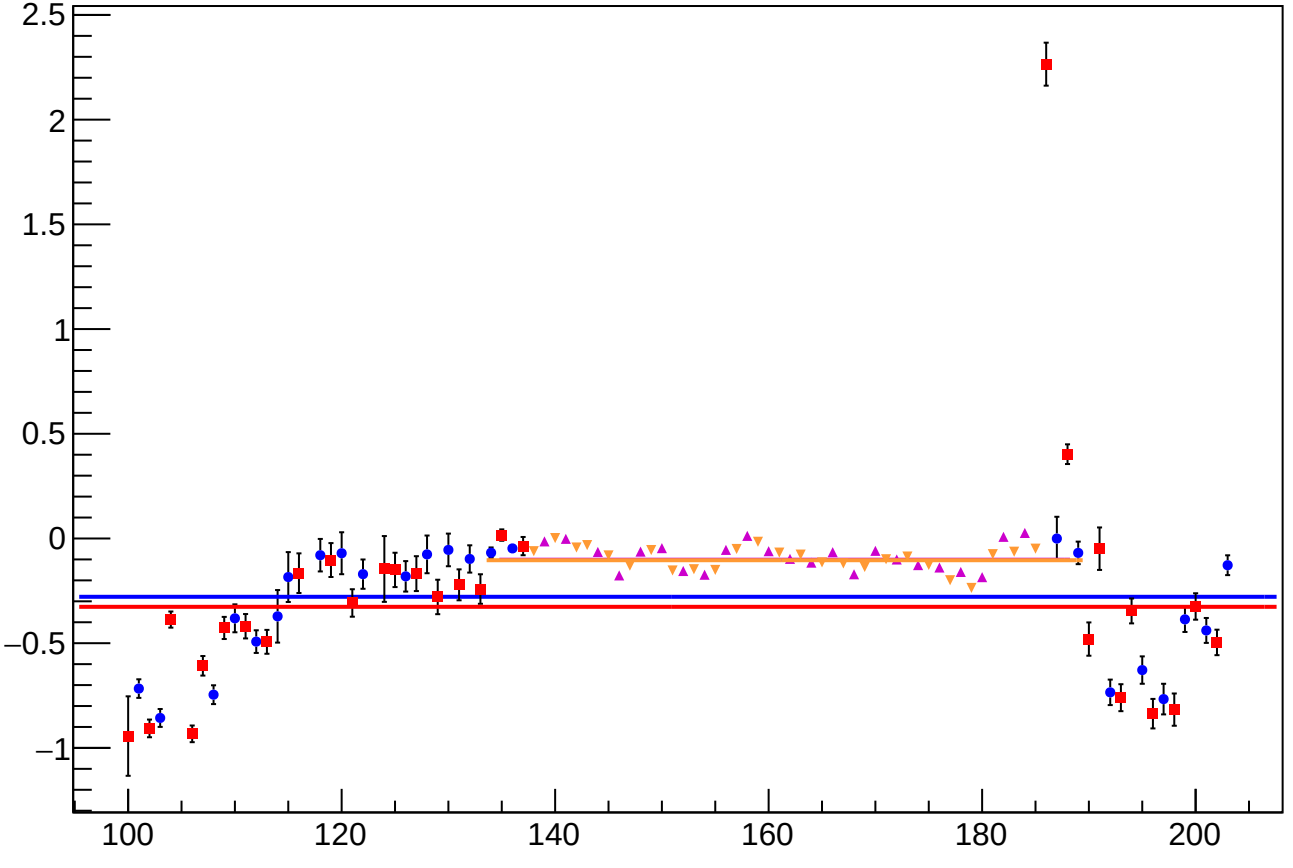
Right: -13.298+/-0.121 χ^2/NDF: 3975.4/52

In: -1.148+/-0.054 χ^2/NDF:21001.9/46

Out: -1.654+/-0.054 χ^2/NDF:24729.8/53

All: -1.404+/-0.038 χ^2/NDF: 45775.6/100


reg_asym_sam_37_dd_diff_bpm4eY_slope vs Slug, Sign Corrected
35
30
25
20
15
10
5
0
100
120
140
160
180
200
Right In: 22.489+/-0.205 χ2/NDF: 1164.8/23
Left Out: 21.447+/-0.050 χ2/NDF:1325.2/24
Right Out: 21.606+/-0.208 χ2/NDF: 635.5/28
Left In: 21.725+/-0.050 χ2/NDF:1173.7/22
Left: 21.586+/-0.035 χ2/NDF: 2514.7/47
Right: 22.055+/-0.146 χ2/NDF: 1809.5/52
In: 21.768+/-0.048 χ2/NDF:2351.7/46
Out: 21.455+/-0.048 χ2/NDF:1961.3/53
All: 21.611+/-0.034 χ2/NDF: 4334.0/100



Right In: -0.278+/-0.010 χ^2/NDF: 811.8/23

Left Out: -0.104+/-0.002 χ^2/NDF:547.4/24

Right Out: -0.326+/-0.011 χ^2/NDF: 1747.8/28

Left In: -0.101+/-0.002 χ^2/NDF:757.6/22

Left: -0.103+/-0.002 χ^2/NDF: 1305.7/47

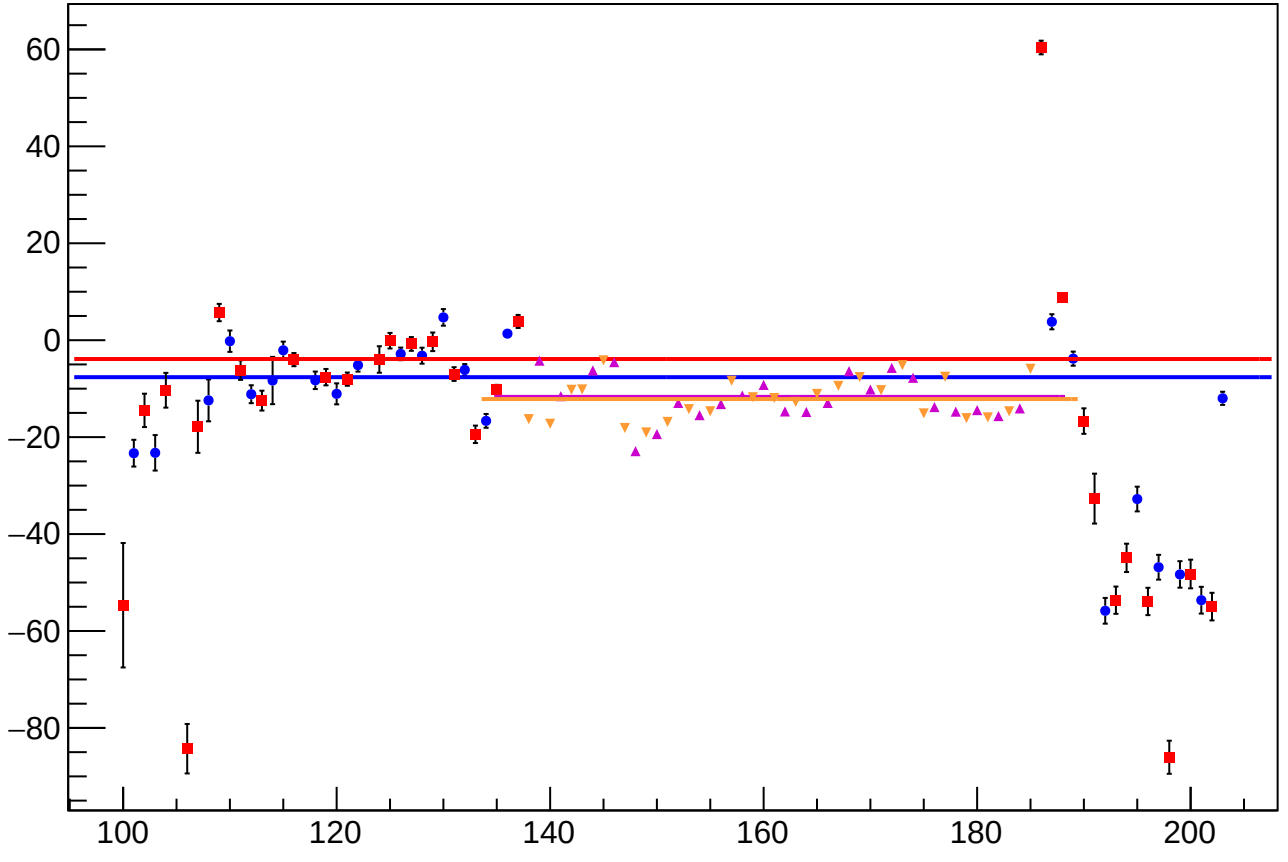
Right: -0.301+/-0.007 χ^2/NDF: 2570.0/52

In: -0.109+/-0.002 χ^2/NDF:1853.6/46

Out: -0.113+/-0.002 χ^2/NDF:2712.0/53

All: -0.111+/-0.002 χ^2/NDF: 4567.0/100

reg_asym_sam_26_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -7.628+/-0.333 χ^2/NDF: 1604.0/23

Left Out: -12.143+/-0.092 χ^2/NDF:2130.5/24

Right Out: -3.881+/-0.336 χ^2/NDF: 4827.1/28

Left In: -11.698+/-0.094 χ^2/NDF:1951.0/22

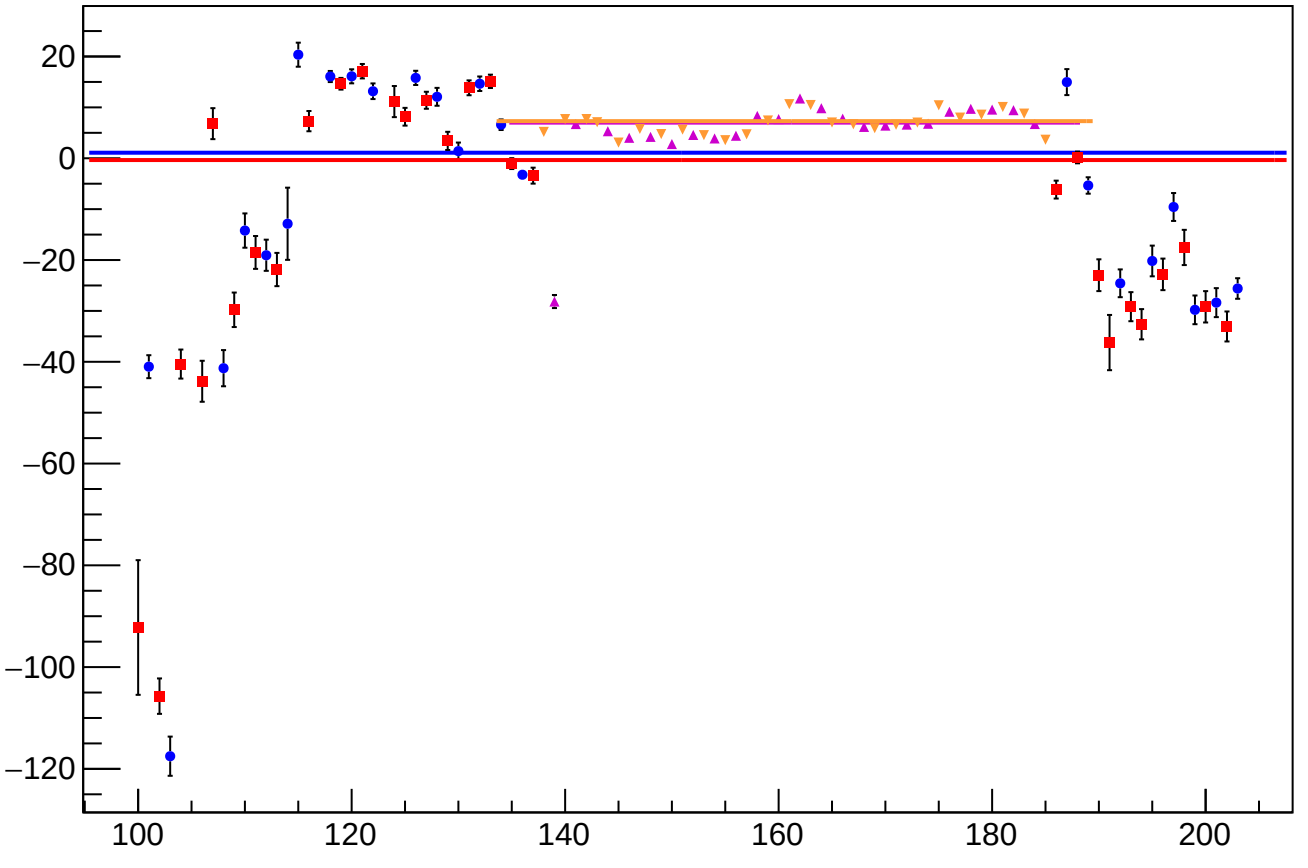
Left: -11.927+/-0.066 χ^2/NDF: 4092.9/47

Right: -5.767+/-0.236 χ^2/NDF: 6493.9/52

In: -11.397+/-0.091 χ^2/NDF:3693.2/46

Out: -11.571+/-0.088 χ^2/NDF:7521.7/53

All: -11.486+/-0.063 χ^2/NDF: 11216.8/100



Right In: 1.091+/-0.350 χ^2/NDF: 2838.0/23

Left Out: 7.297+/-0.075 χ^2/NDF:822.9/24

Right Out: -0.351+/-0.366 χ^2/NDF: 2714.5/28

Left In: 7.004+/-0.076 χ^2/NDF:1576.0/22

Left: 7.153+/-0.053 χ^2/NDF: 2406.4/47

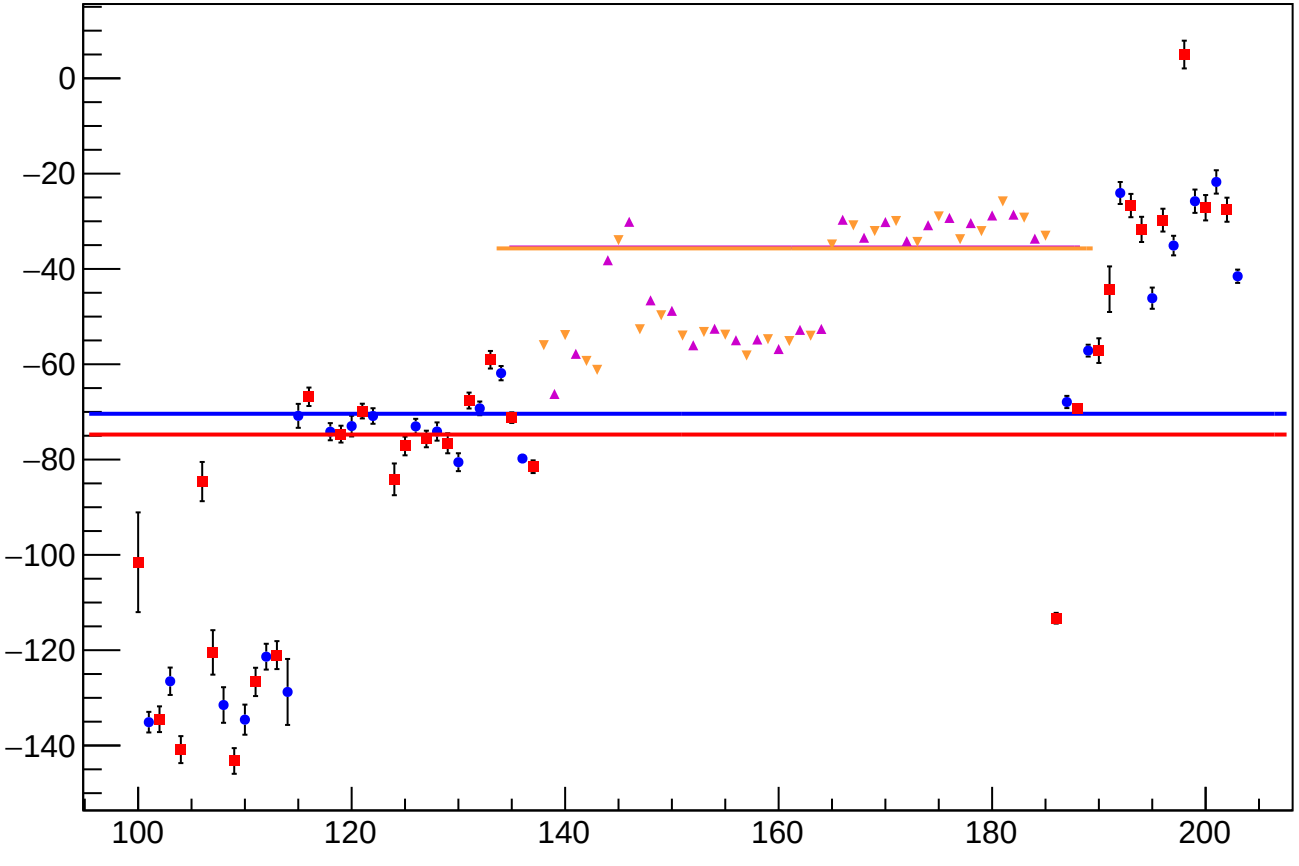
Right: 0.402+/-0.253 χ^2/NDF: 5560.6/52

In: 6.738+/-0.074 χ^2/NDF:4686.2/46

Out: 6.989+/-0.073 χ^2/NDF:3956.0/53

All: 6.865+/-0.052 χ^2/NDF: 8647.9/100

reg_asym_sam_26_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -70.389+/-0.343 χ^2/NDF: 4735.2/23

Left Out: -35.690+/-0.092 χ^2/NDF:12778.3/24

Right Out: -74.750+/-0.336 χ^2/NDF: 6261.5/28

Left In: -35.497+/-0.095 χ^2/NDF:11162.0/22

Left: -35.596+/-0.066 χ^2/NDF: 23942.5/47

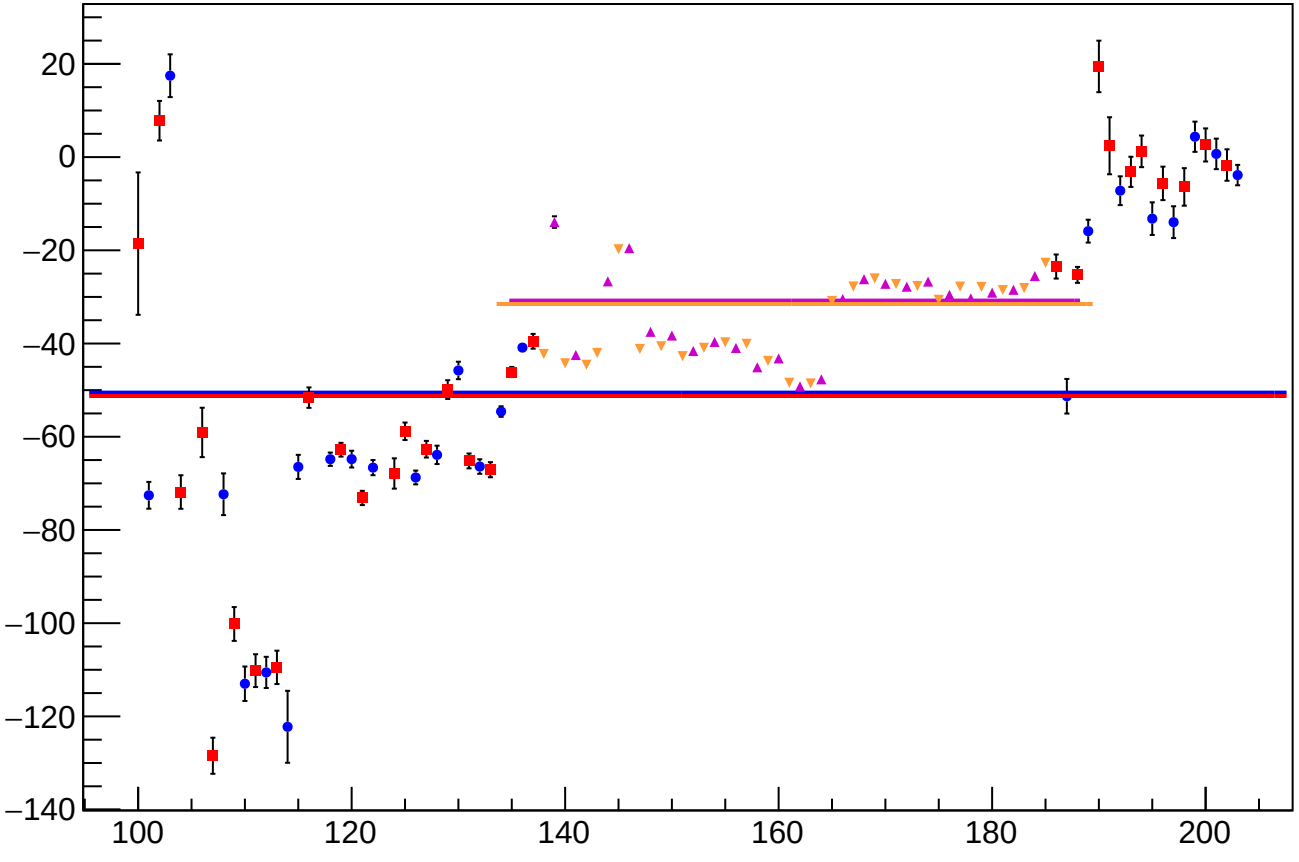
Right: -72.617+/-0.240 χ^2/NDF: 11079.2/52

In: -37.959+/-0.091 χ^2/NDF:25499.1/46

Out: -38.429+/-0.089 χ^2/NDF:31615.2/53

All: -38.200+/-0.064 χ^2/NDF: 57127.9/100

reg_asym_sam_26_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -50.533+/-0.394 χ^2/NDF: 3375.0/23

Left Out: -31.520+/-0.083 χ^2/NDF:8457.7/24

Right Out: -51.259+/-0.424 χ^2/NDF: 3735.3/28

Left In: -30.789+/-0.084 χ^2/NDF:7548.8/22

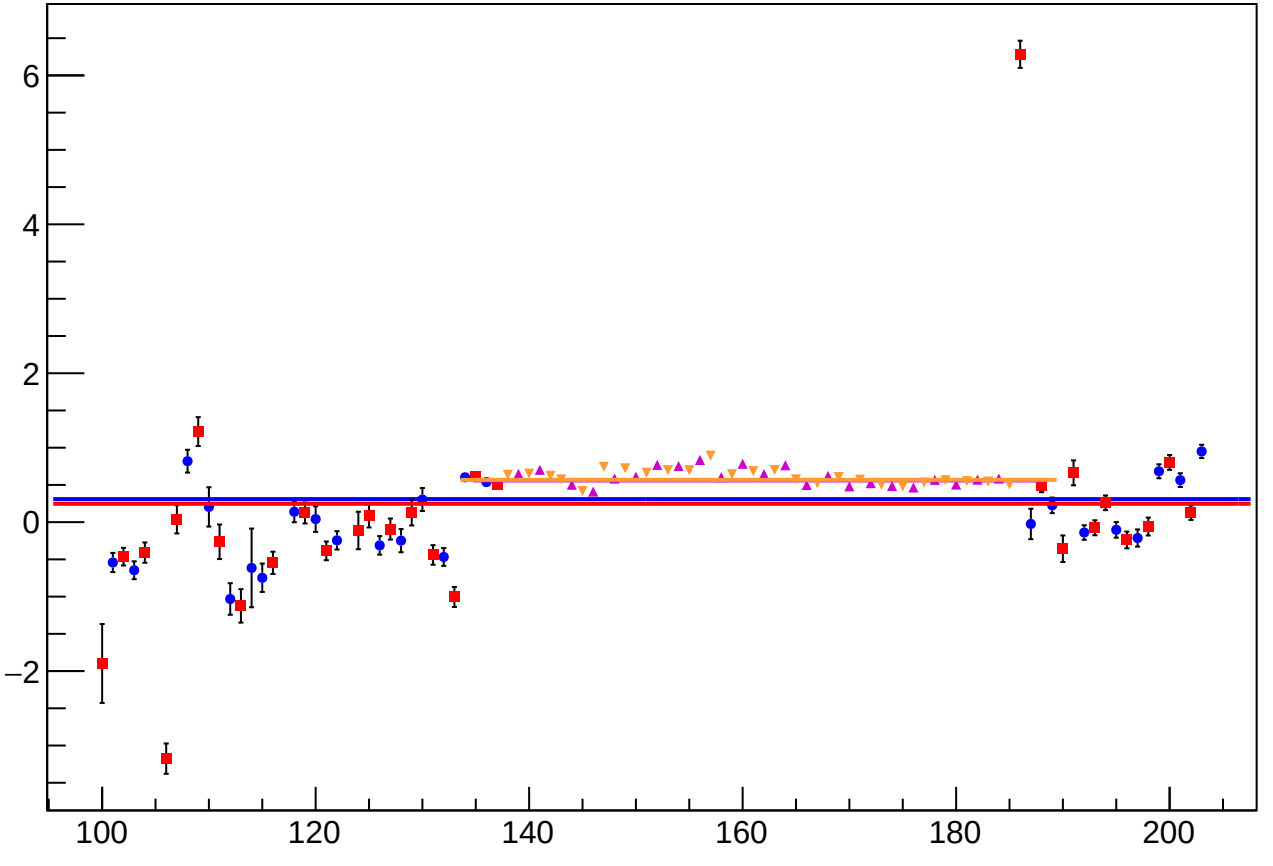
Left: -31.161+/-0.059 χ^2/NDF: 16044.8/47

Right: -50.870+/-0.289 χ^2/NDF: 7112.0/52

In: -31.651+/-0.082 χ^2/NDF:13319.3/46

Out: -32.245+/-0.081 χ^2/NDF:14282.0/53

All: -31.953+/-0.058 χ^2/NDF: 27627.6/100



Right In: 0.310+/-0.019 χ^2/NDF: 510.5/23

Left Out: 0.568+/-0.004 χ^2/NDF:554.5/24

Right Out: 0.247+/-0.021 χ^2/NDF: 1874.7/28

Left In: 0.560+/-0.004 χ^2/NDF:671.5/22

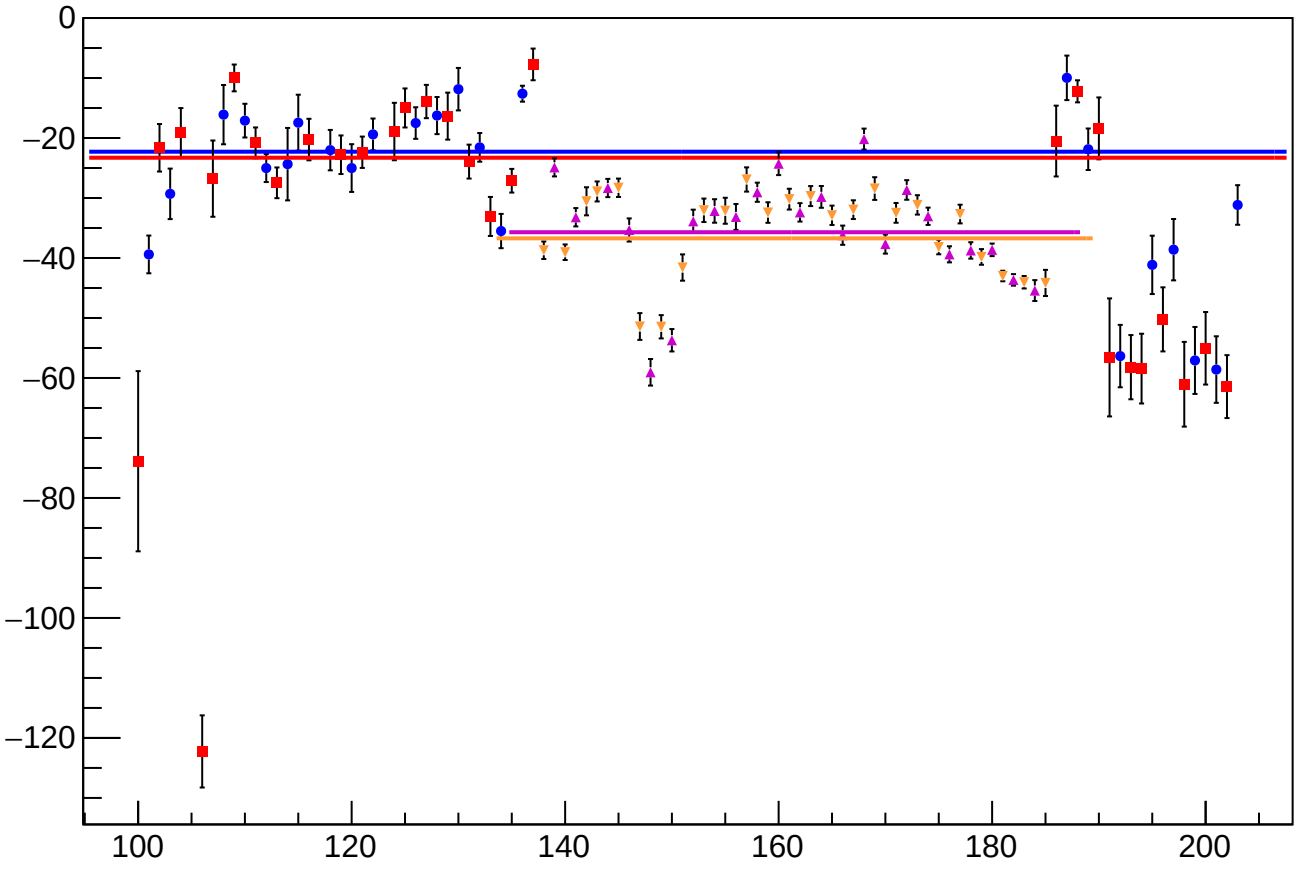
Left: 0.564+/-0.003 χ^2/NDF: 1228.5/47

Right: 0.281+/-0.014 χ^2/NDF: 2390.0/52

In: 0.551+/-0.004 χ^2/NDF:1341.5/46

Out: 0.559+/-0.004 χ^2/NDF:2651.7/53

All: 0.555+/-0.003 χ^2/NDF: 3995.6/100



Right In: -22.283+/-0.632 χ^2/NDF: 300.2/23

Left Out: -36.724+/-0.310 χ^2/NDF:420.8/24

Right Out: -23.287+/-0.630 χ^2/NDF: 655.4/28

Left In: -35.706+/-0.323 χ^2/NDF:578.6/22

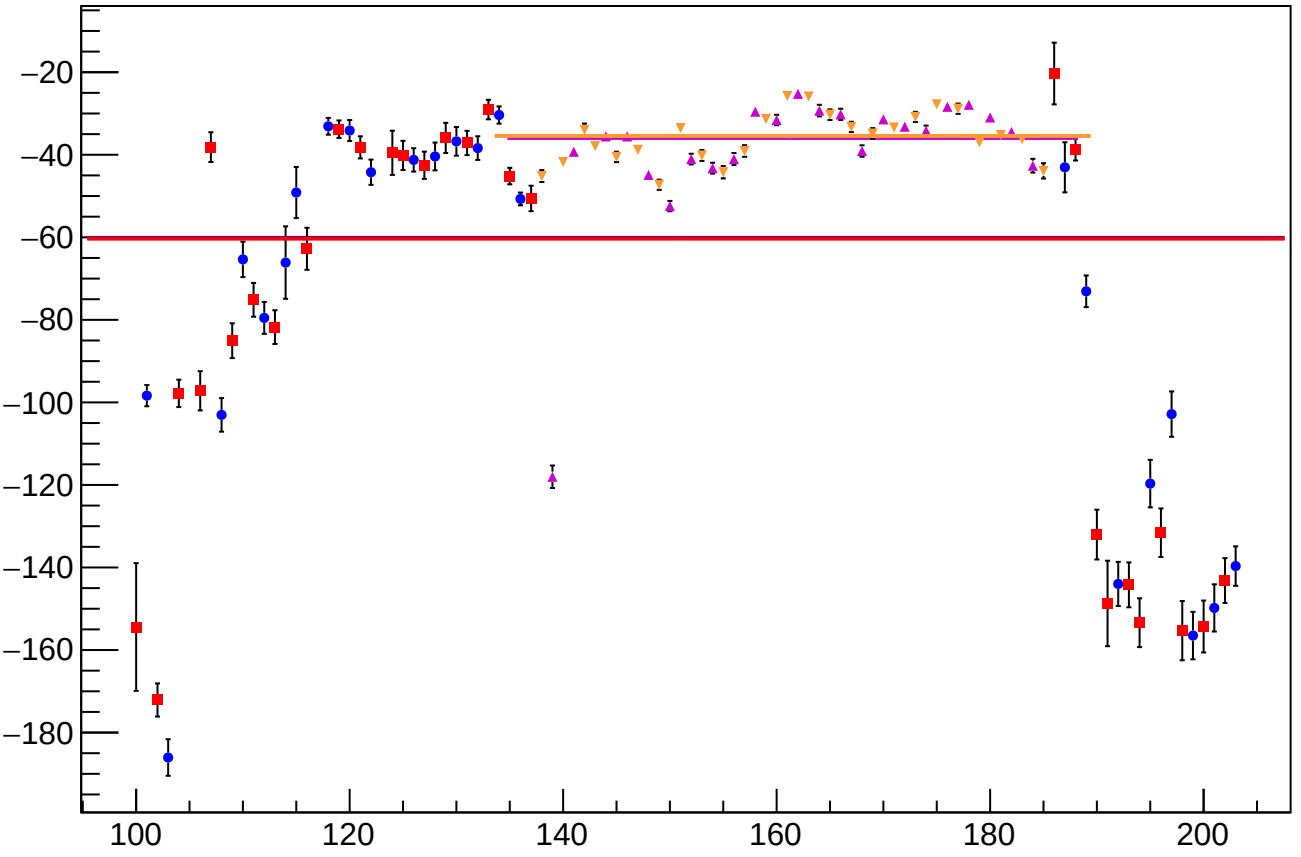
Left: -36.236+/-0.224 χ^2/NDF: 1004.6/47

Right: -22.787+/-0.446 χ^2/NDF: 956.8/52

In: -32.926+/-0.288 χ^2/NDF:1236.1/46

Out: -34.103+/-0.278 χ^2/NDF:1442.3/53

All: -33.534+/-0.200 χ^2/NDF: 2687.0/100



Right In: -60.160+/-0.660 χ^2/NDF: 3136.2/23

Left Out: -35.442+/-0.245 χ^2/NDF:537.8/24

Right Out: -60.313+/-0.681 χ^2/NDF: 3339.5/28

Left In: -35.913+/-0.256 χ^2/NDF:1543.1/22

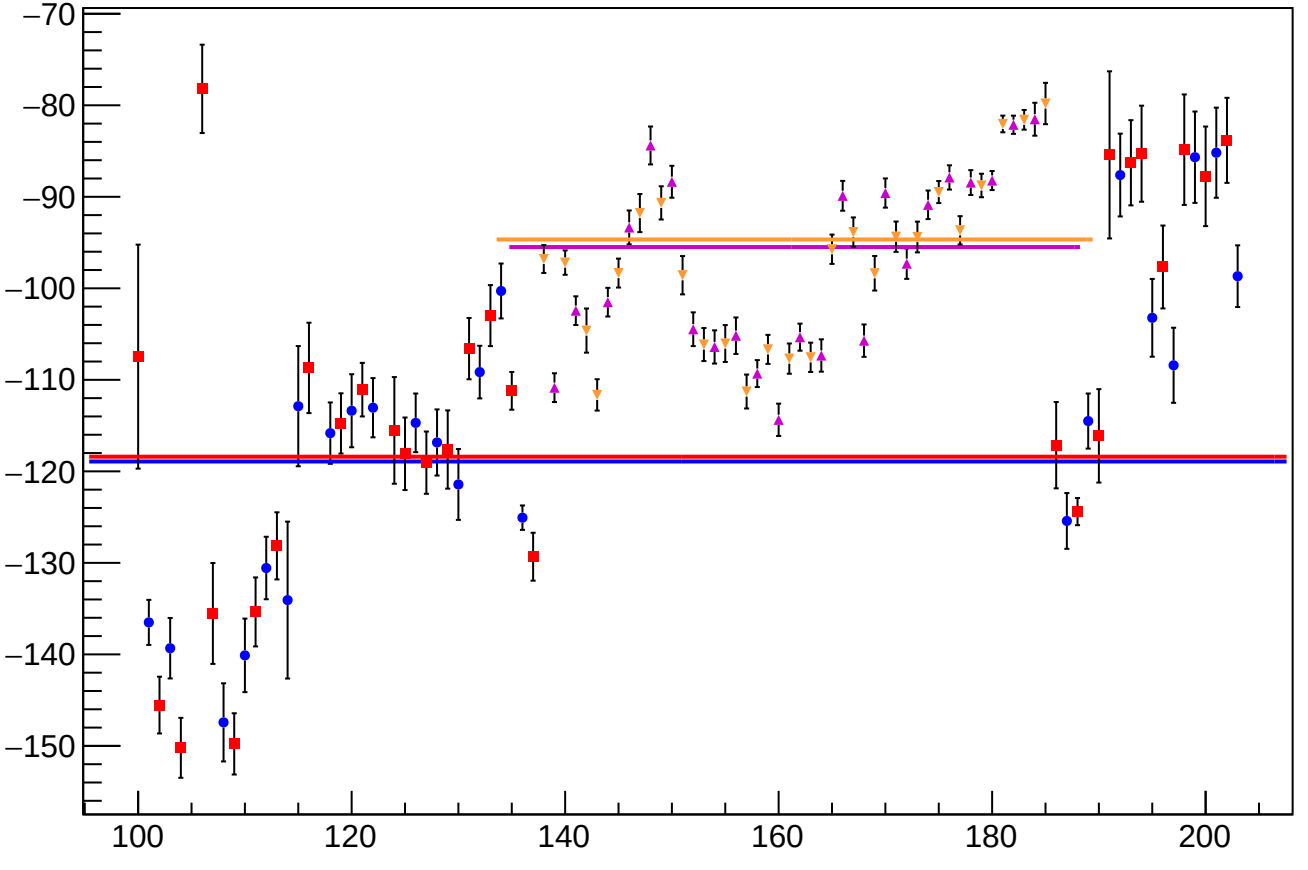
Left: -35.667+/-0.177 χ^2/NDF: 2082.7/47

Right: -60.234+/-0.474 χ^2/NDF: 6475.7/52

In: -39.083+/-0.239 χ^2/NDF:5850.9/46

Out: -38.290+/-0.230 χ^2/NDF:5058.5/53

All: -38.672+/-0.166 χ^2/NDF: 10915.1/100



Right In: -118.922+/-0.655 χ^2/NDF: 459.1/23

Left Out: -94.663+/-0.310 χ^2/NDF:900.1/24

Right Out: -118.398+/-0.653 χ^2/NDF: 696.9/28

Left In: -95.489+/-0.321 χ^2/NDF:970.1/22

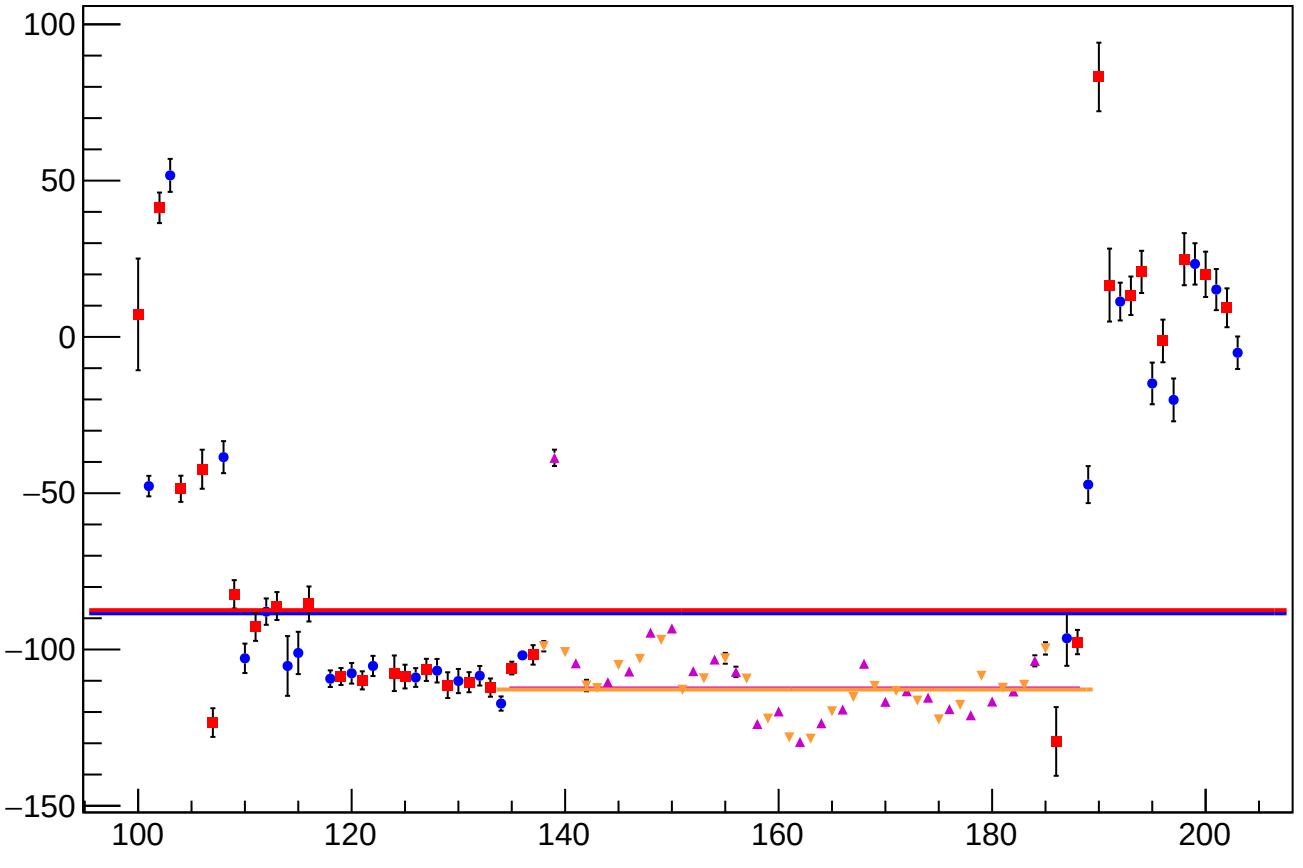
Left: -95.061+/-0.223 χ^2/NDF: 1873.6/47

Right: -118.659+/-0.462 χ^2/NDF: 1156.3/52

In: -100.028+/-0.288 χ^2/NDF:2460.2/46

Out: -99.026+/-0.280 χ^2/NDF:2675.8/53

All: -99.512+/-0.201 χ^2/NDF: 5142.3/100



Right In: -88.420+/-0.748 χ^2/NDF: 2803.6/23

Left Out: -112.794+/-0.274 χ^2/NDF:936.4/24

Right Out: -87.418+/-0.784 χ^2/NDF: 3049.0/28

Left In: -112.465+/-0.285 χ^2/NDF:1788.6/22

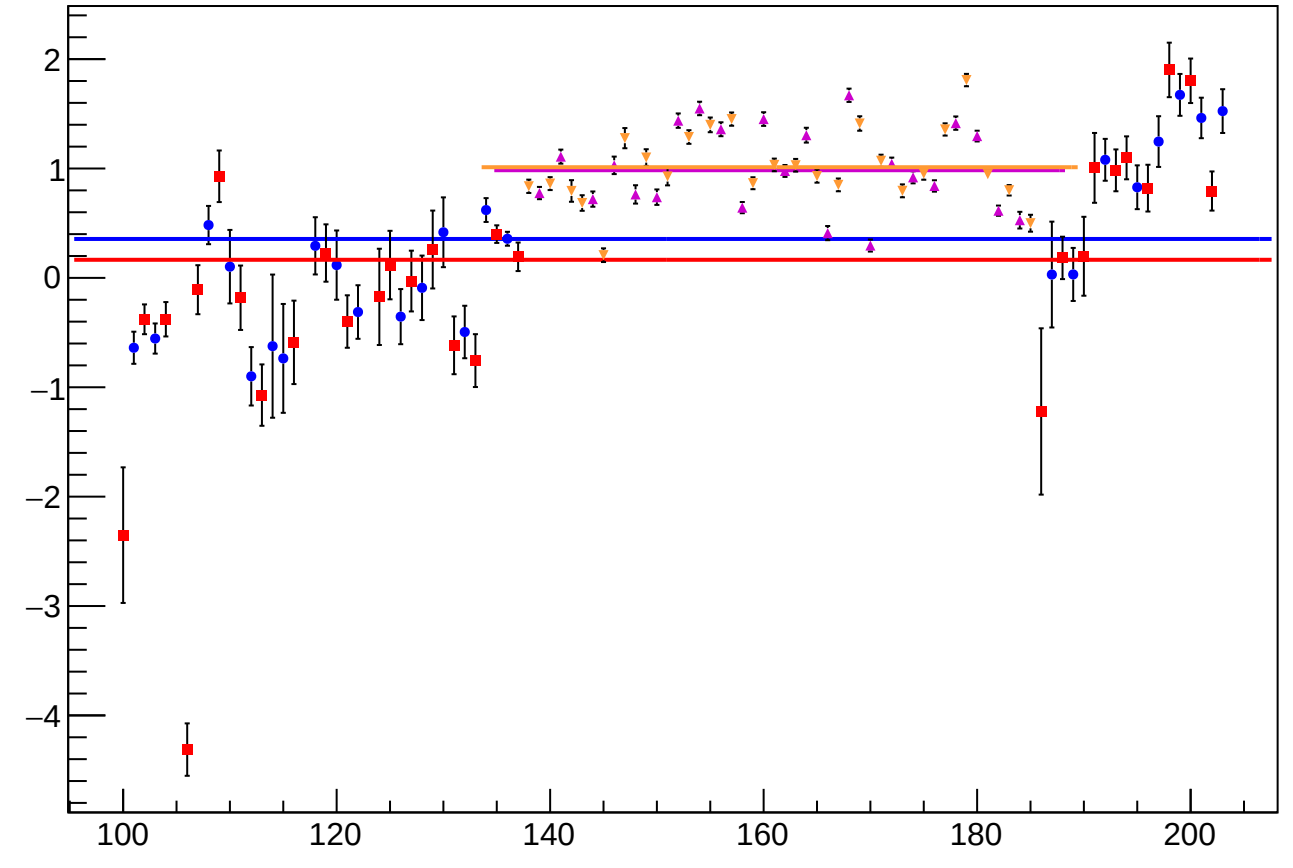
Left: -112.636+/-0.197 χ^2/NDF: 2725.7/47

Right: -87.942+/-0.541 χ^2/NDF: 5853.4/52

In: -109.423+/-0.266 χ^2/NDF:5493.9/46

Out: -110.031+/-0.259 χ^2/NDF:4919.2/53

All: -109.735+/-0.186 χ^2/NDF: 10415.8/100



Right In: 0.356+/-0.036 χ^2/NDF: 310.7/23

Left Out: 1.012+/-0.012 χ^2/NDF:691.2/24

Right Out: 0.165+/-0.038 χ^2/NDF: 655.2/28

Left In: 0.984+/-0.013 χ^2/NDF:900.0/22

Left: 0.998+/-0.009 χ^2/NDF: 1593.6/47

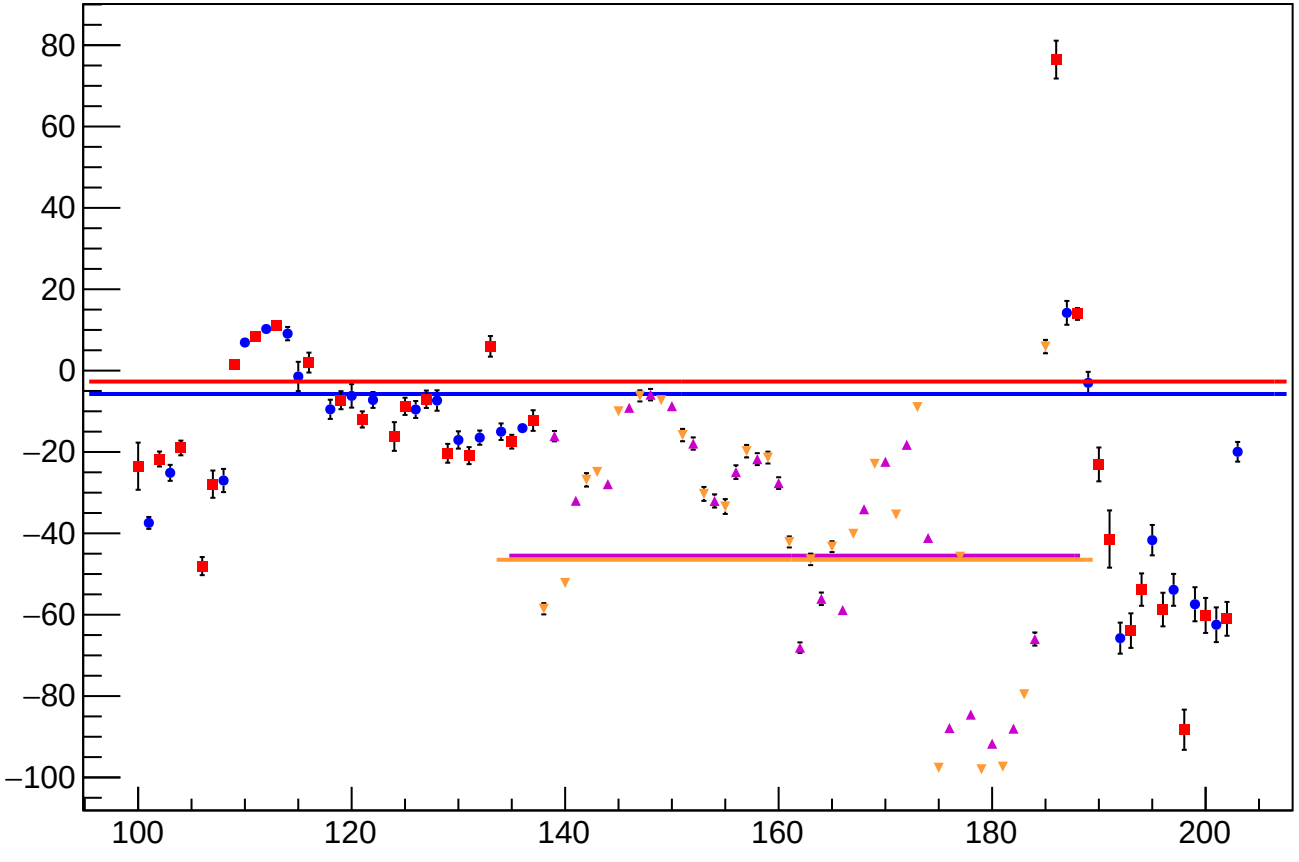
Right: 0.265+/-0.026 χ^2/NDF: 979.0/52

In: 0.917+/-0.012 χ^2/NDF:1479.4/46

Out: 0.932+/-0.012 χ^2/NDF:1793.6/53

All: 0.925+/-0.008 χ^2/NDF: 3273.9/100

reg_asym_sam_48_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -5.745+/-0.358 χ^2/NDF: 2464.6/23

Left Out: -46.493+/-0.230 χ^2/NDF:20046.7/24

Right Out: -2.691+/-0.322 χ^2/NDF: 3244.5/28

Left In: -45.487+/-0.238 χ^2/NDF:15571.1/22

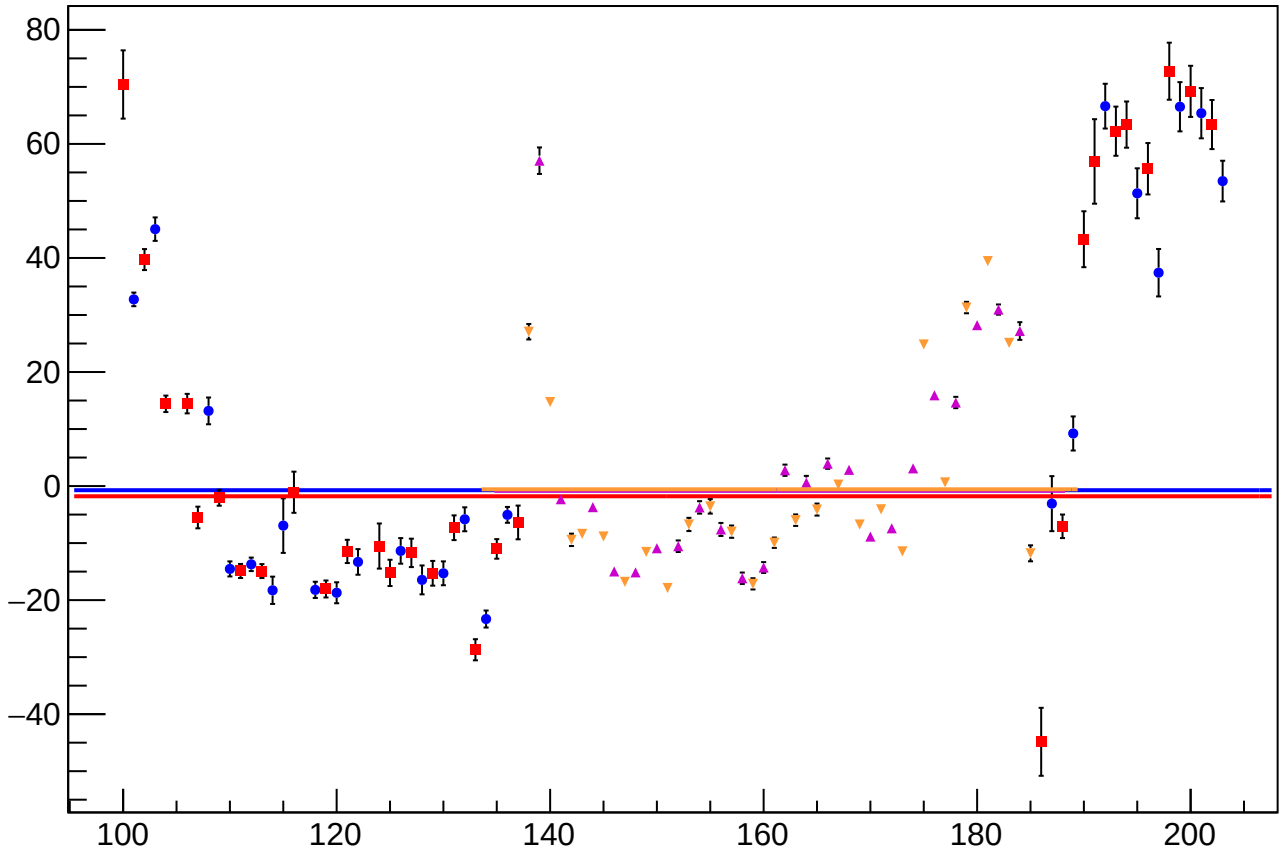
Left: -46.006+/-0.165 χ^2/NDF: 35627.0/47

Right: -4.054+/-0.239 χ^2/NDF: 5749.3/52

In: -33.348+/-0.198 χ^2/NDF:26575.0/46

Out: -31.672+/-0.187 χ^2/NDF:35554.5/53

All: -32.462+/-0.136 χ^2/NDF: 62167.4/100



Right In: -0.726+/-0.412 χ^2/NDF: 3463.8/23

Left Out: -0.572+/-0.177 χ^2/NDF:8451.5/24

Right Out: -1.790+/-0.400 χ^2/NDF: 3135.4/28

Left In: -0.828+/-0.183 χ^2/NDF:6116.6/22

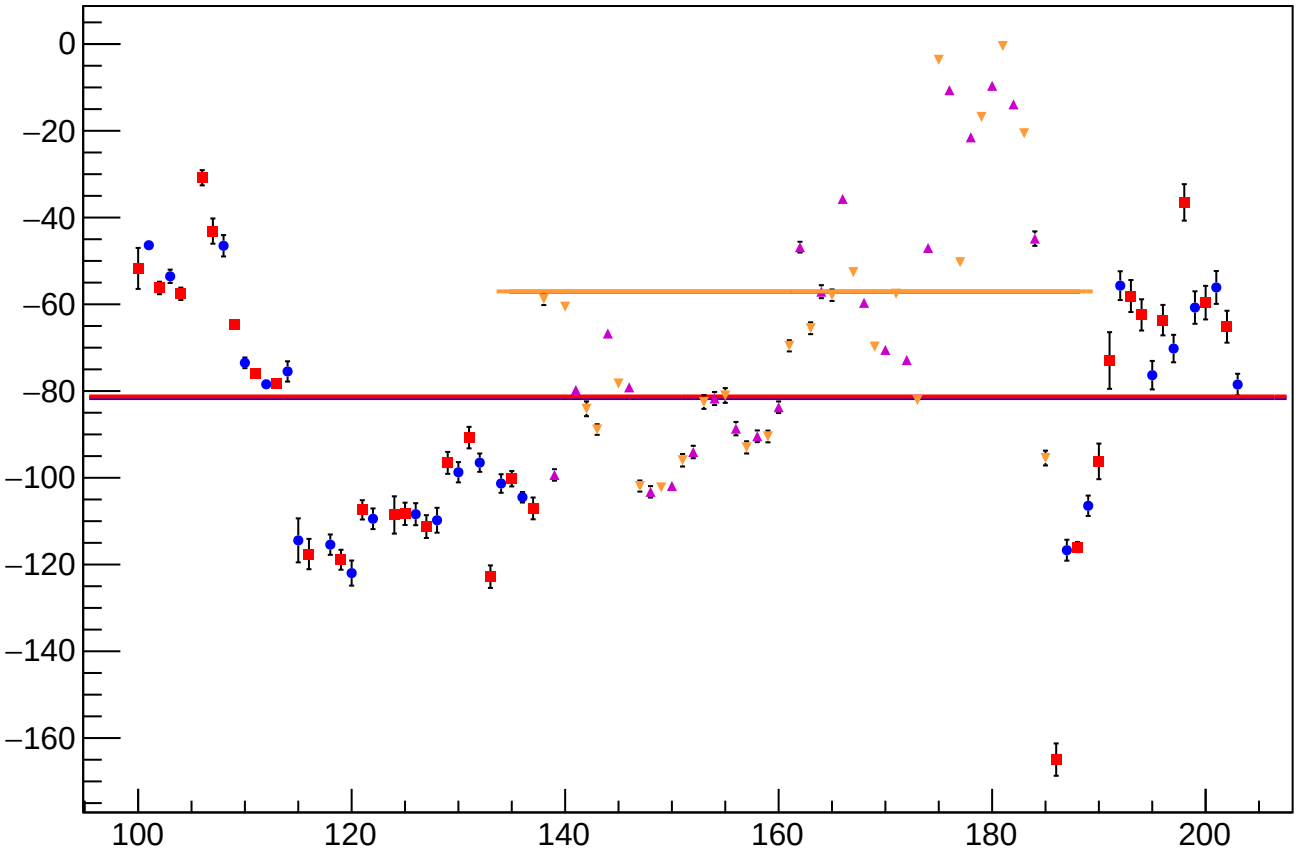
Left: -0.696+/-0.127 χ^2/NDF: 14569.0/47

Right: -1.273+/-0.287 χ^2/NDF: 6602.6/52

In: -0.811+/-0.167 χ^2/NDF:9580.4/46

Out: -0.772+/-0.162 χ^2/NDF:11594.6/53

All: -0.791+/-0.116 χ^2/NDF: 21175.0/100



Right In: -81.620+/-0.404 χ^2/NDF: 3348.6/23

Left Out: -57.029+/-0.230 χ^2/NDF:20309.3/24

Right Out: -81.255+/-0.376 χ^2/NDF: 4869.3/28

Left In: -57.091+/-0.237 χ^2/NDF:17167.8/22

Left: -57.059+/-0.165 χ^2/NDF: 37477.1/47

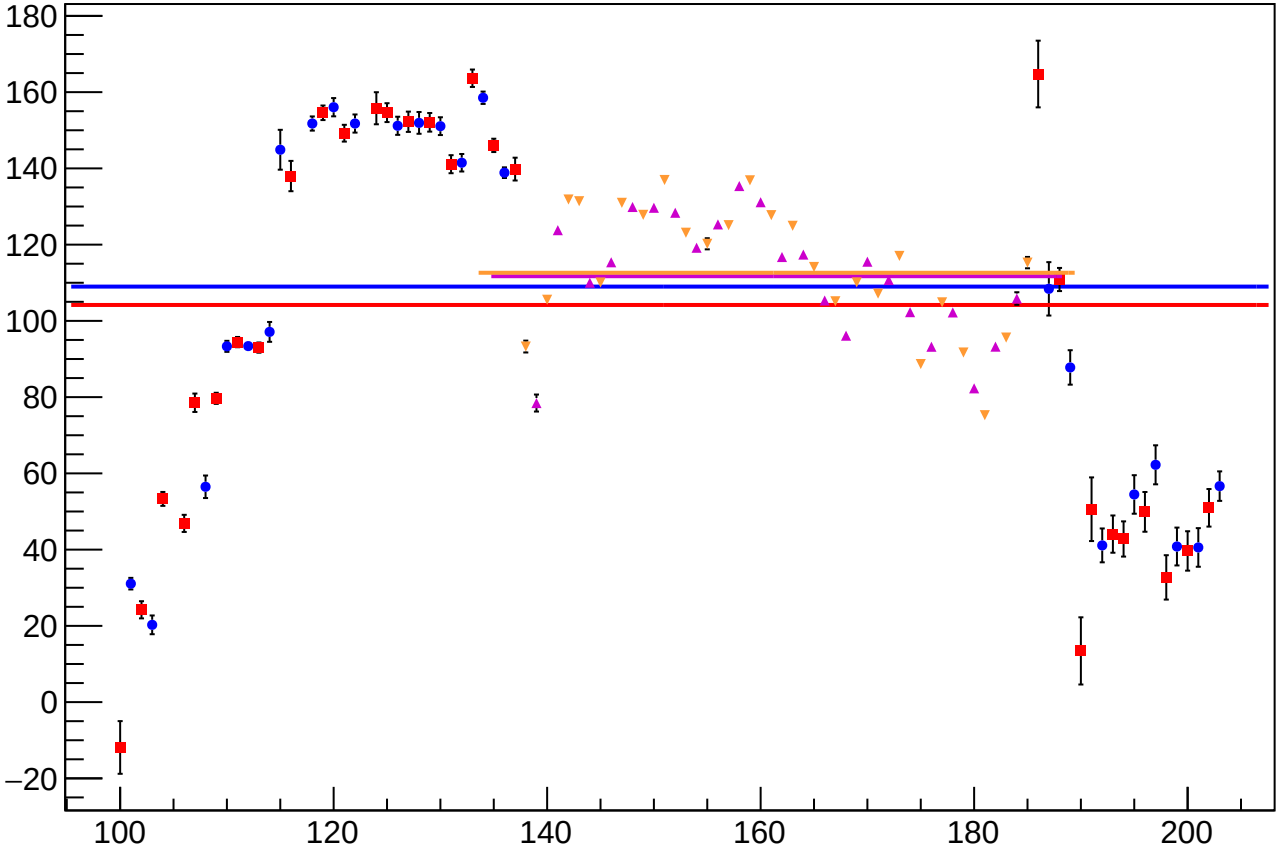
Right: -81.425+/-0.275 χ^2/NDF: 8218.3/52

In: -63.366+/-0.204 χ^2/NDF:23266.3/46

Out: -63.617+/-0.196 χ^2/NDF:28198.9/53

All: -63.496+/-0.141 χ^2/NDF: 51466.0/100

reg_asym_sam_48_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 108.995+/-0.470 χ^2/NDF: 9285.8/23

Left Out: 112.625+/-0.200 χ^2/NDF:6708.0/24

Right Out: 104.176+/-0.460 χ^2/NDF: 8652.1/28

Left In: 111.720+/-0.206 χ^2/NDF:4896.8/22

Left: 112.186+/-0.143 χ^2/NDF: 11614.7/47

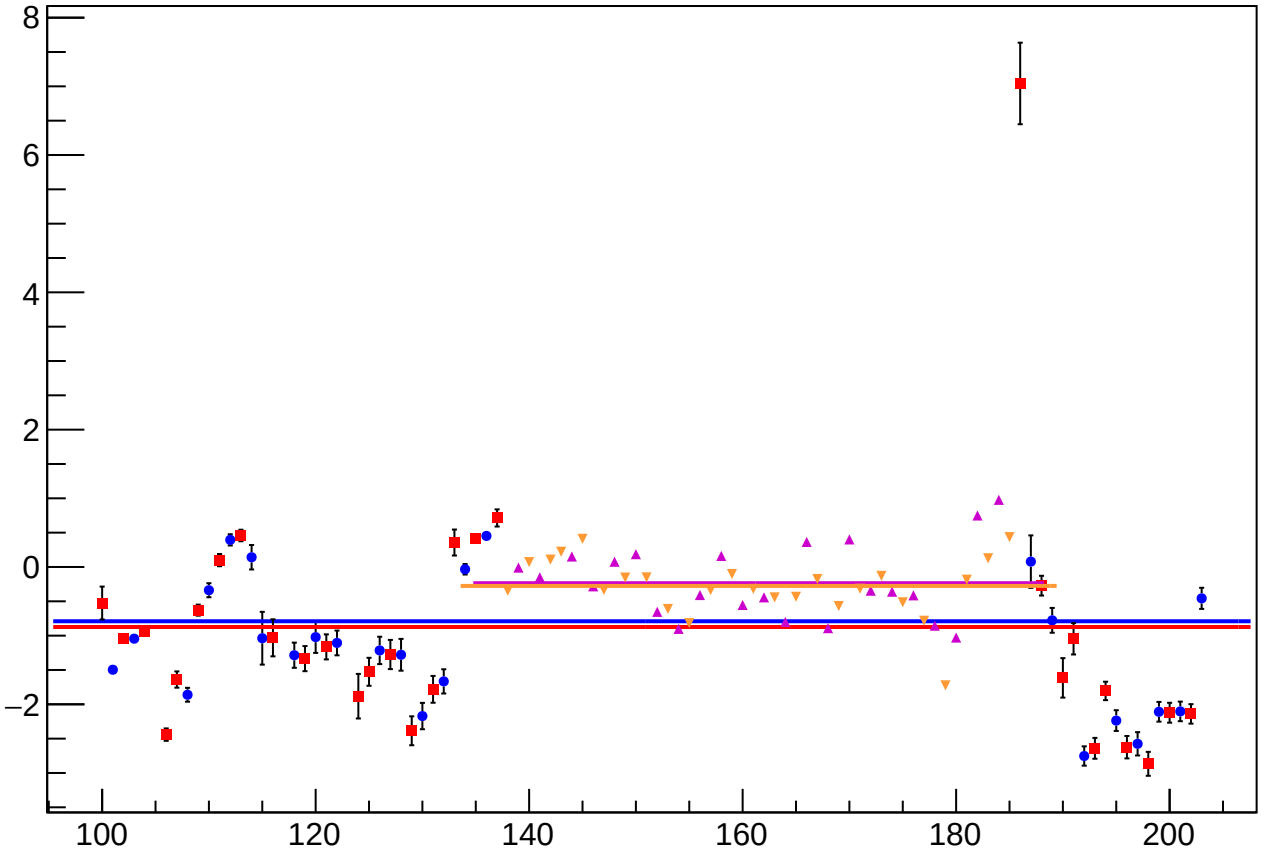
Right: 106.532+/-0.329 χ^2/NDF: 17991.6/52

In: 111.281+/-0.189 χ^2/NDF:14210.8/46

Out: 111.280+/-0.183 χ^2/NDF:15644.2/53

All: 111.281+/-0.131 χ^2/NDF: 29855.0/100

reg_asym_sam_48_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.790+/-0.024 χ^2/NDF: 1747.3/23

Left Out: -0.276+/-0.009 χ^2/NDF:2122.4/24

Right Out: -0.874+/-0.023 χ^2/NDF: 2174.9/28

Left In: -0.236+/-0.009 χ^2/NDF:2961.3/22

Left: -0.257+/-0.006 χ^2/NDF: 5093.1/47

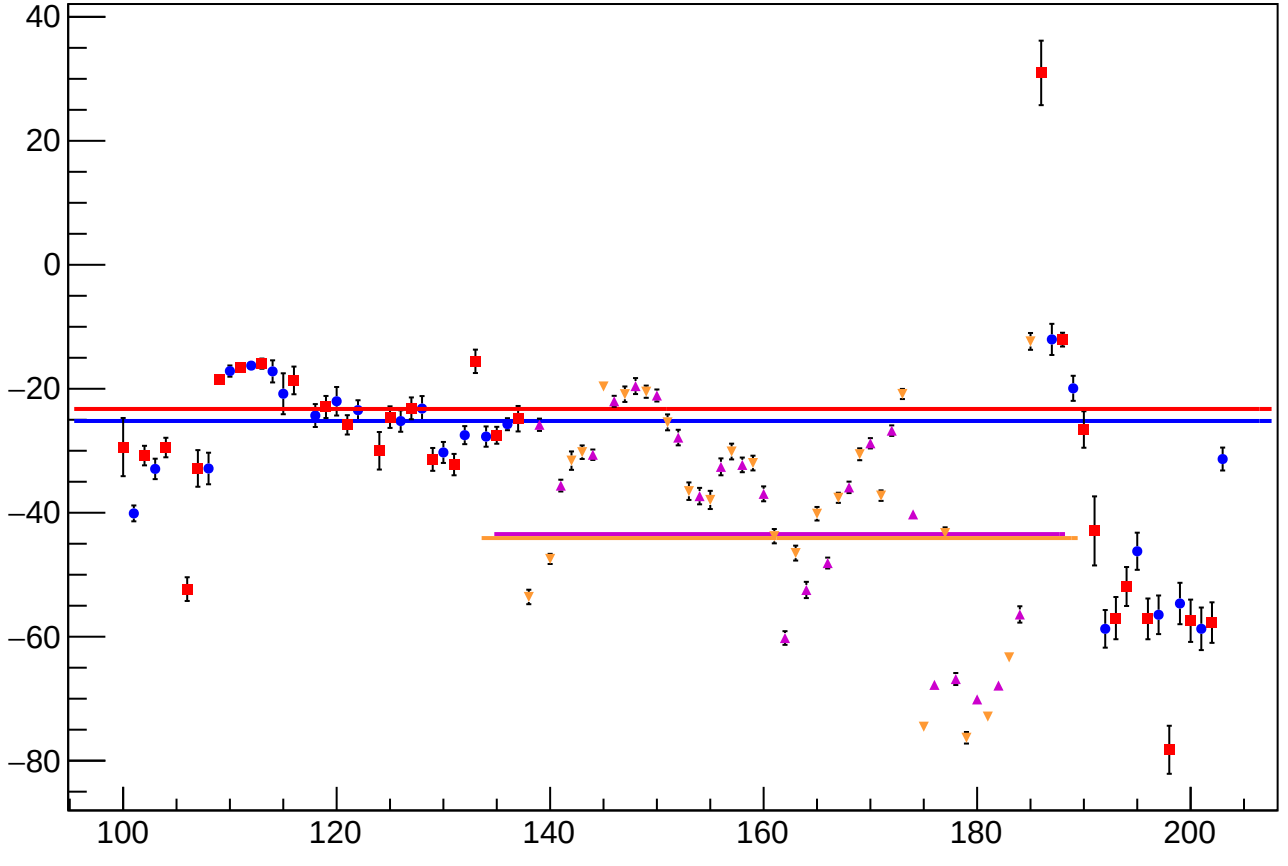
Right: -0.834+/-0.016 χ^2/NDF: 3928.7/52

In: -0.310+/-0.009 χ^2/NDF:5190.5/46

Out: -0.356+/-0.008 χ^2/NDF:4893.1/53

All: -0.334+/-0.006 χ^2/NDF: 10098.6/100

reg_asym_sam_48_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -25.197+/-0.326 χ^2/NDF: 917.6/23

Left Out: -44.087+/-0.193 χ^2/NDF:10340.4/24

Right Out: -23.257+/-0.299 χ^2/NDF: 1483.0/28

Left In: -43.444+/-0.199 χ^2/NDF:7820.5/22

Left: -43.775+/-0.138 χ^2/NDF: 18166.3/47

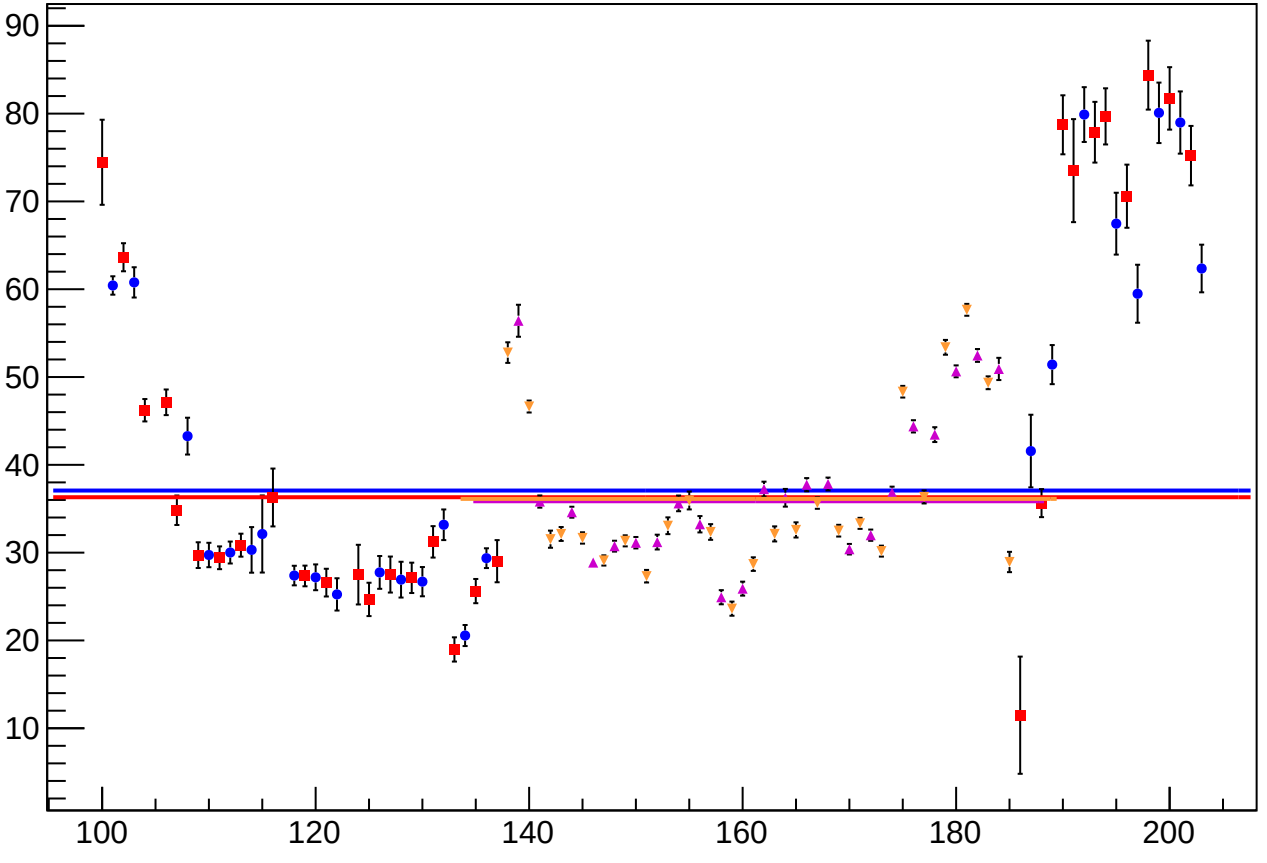
Right: -24.145+/-0.220 χ^2/NDF: 2419.9/52

In: -38.491+/-0.170 χ^2/NDF:11027.0/46

Out: -37.963+/-0.162 χ^2/NDF:15247.4/53

All: -38.215+/-0.117 χ^2/NDF: 26279.6/100

reg_asym_sam_48_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 37.072+/-0.355 χ^2/NDF: 1989.8/23

Left Out: 36.123+/-0.150 χ^2/NDF:3558.5/24

Right Out: 36.311+/-0.349 χ^2/NDF: 2036.2/28

Left In: 35.852+/-0.155 χ^2/NDF:2293.5/22

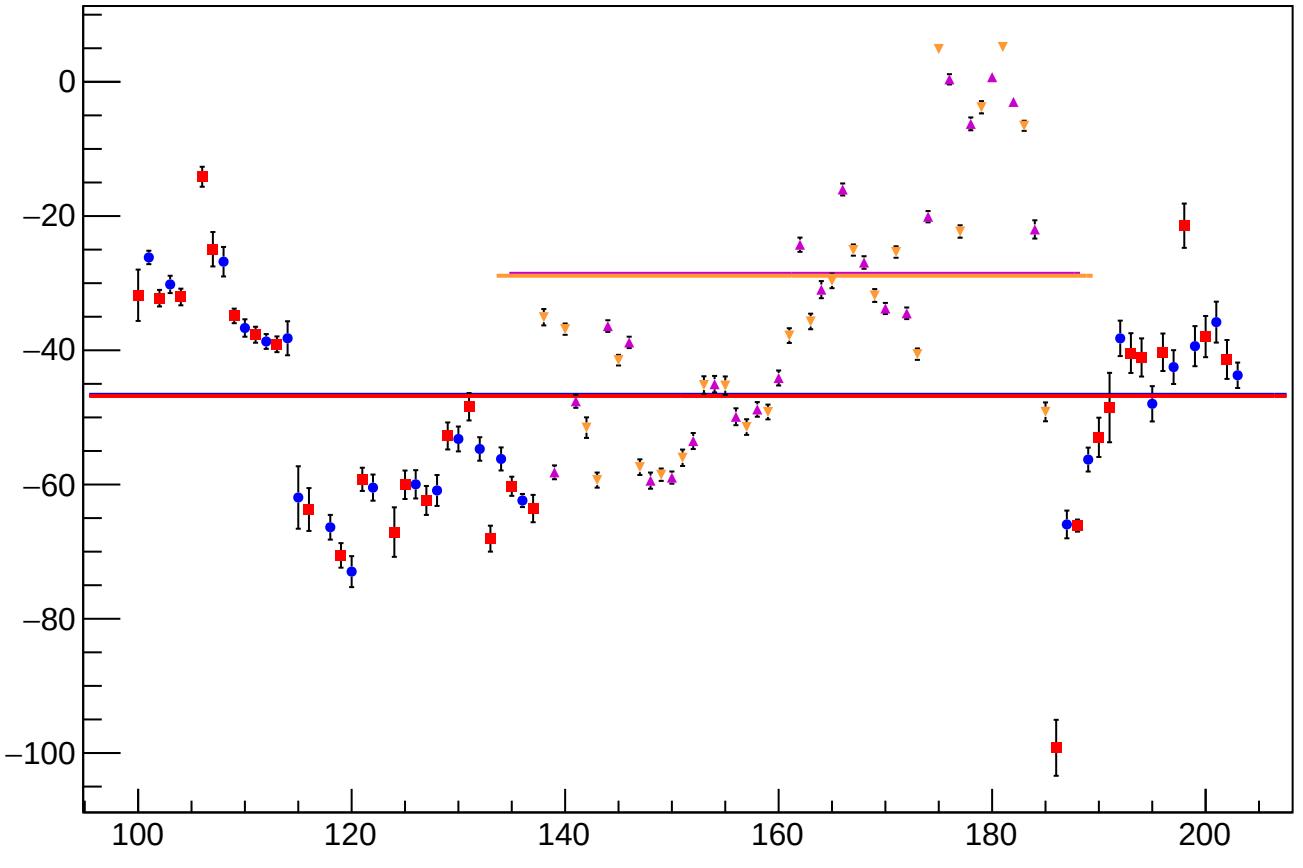
Left: 35.992+/-0.108 χ^2/NDF: 5853.6/47

Right: 36.685+/-0.249 χ^2/NDF: 4028.3/52

In: 36.047+/-0.142 χ^2/NDF:4293.2/46

Out: 36.152+/-0.138 χ^2/NDF:5595.0/53

All: 36.101+/-0.099 χ^2/NDF: 9888.5/100



Right In: -46.633+/-0.352 χ^2/NDF: 1641.8/23

Left Out: -28.891+/-0.193 χ^2/NDF:11798.4/24

Right Out: -46.804+/-0.331 χ^2/NDF: 2438.0/28

Left In: -28.605+/-0.198 χ^2/NDF:10014.7/22

Left: -28.751+/-0.138 χ^2/NDF: 21814.2/47

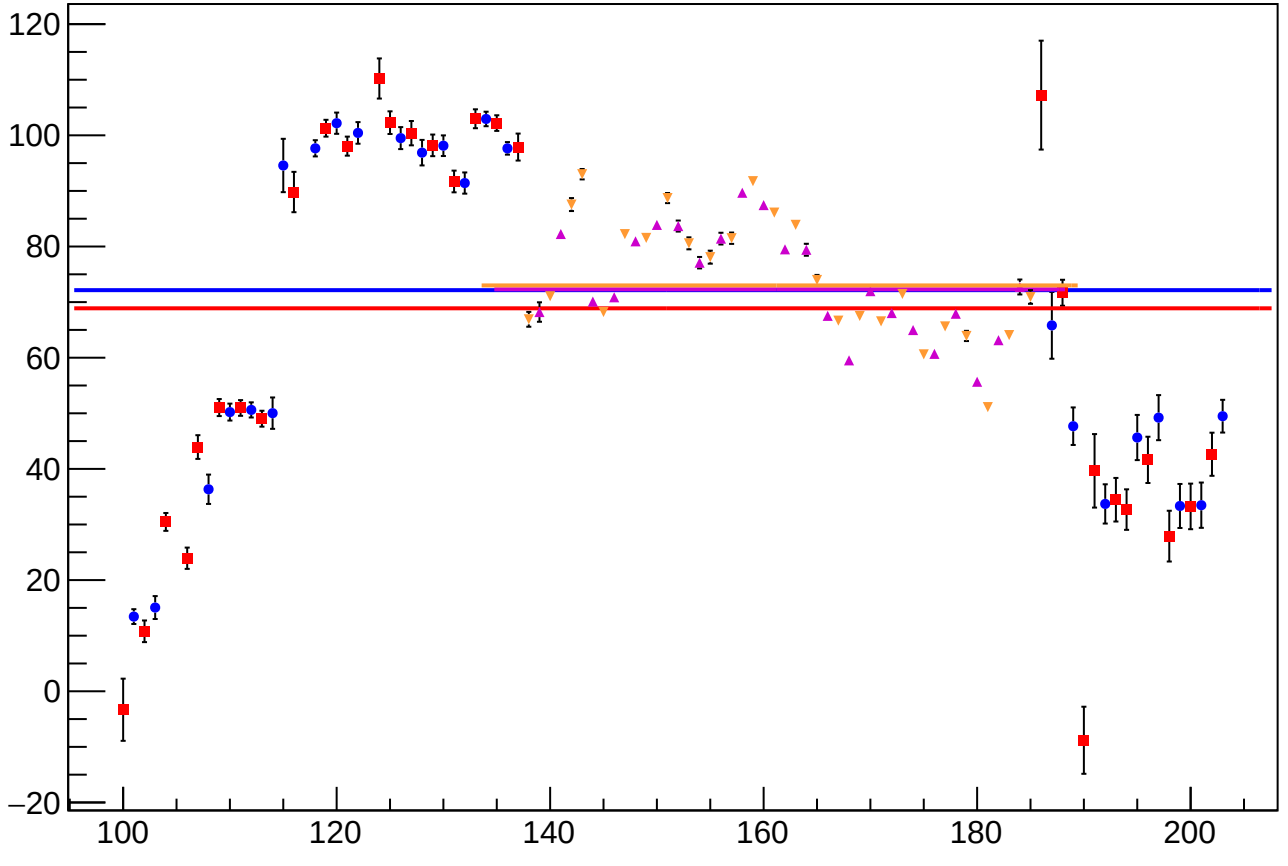
Right: -46.724+/-0.241 χ^2/NDF: 4079.9/52

In: -32.931+/-0.172 χ^2/NDF:13650.8/46

Out: -33.424+/-0.167 χ^2/NDF:16421.8/53

All: -33.186+/-0.120 χ^2/NDF: 30076.9/100

reg_asym_sam_48_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 72.151+/-0.407 χ^2/NDF: 6366.5/23

Left Out: 73.002+/-0.168 χ^2/NDF:4052.4/24

Right Out: 68.884+/-0.404 χ^2/NDF: 6287.9/28

Left In: 72.302+/-0.173 χ^2/NDF:2912.6/22

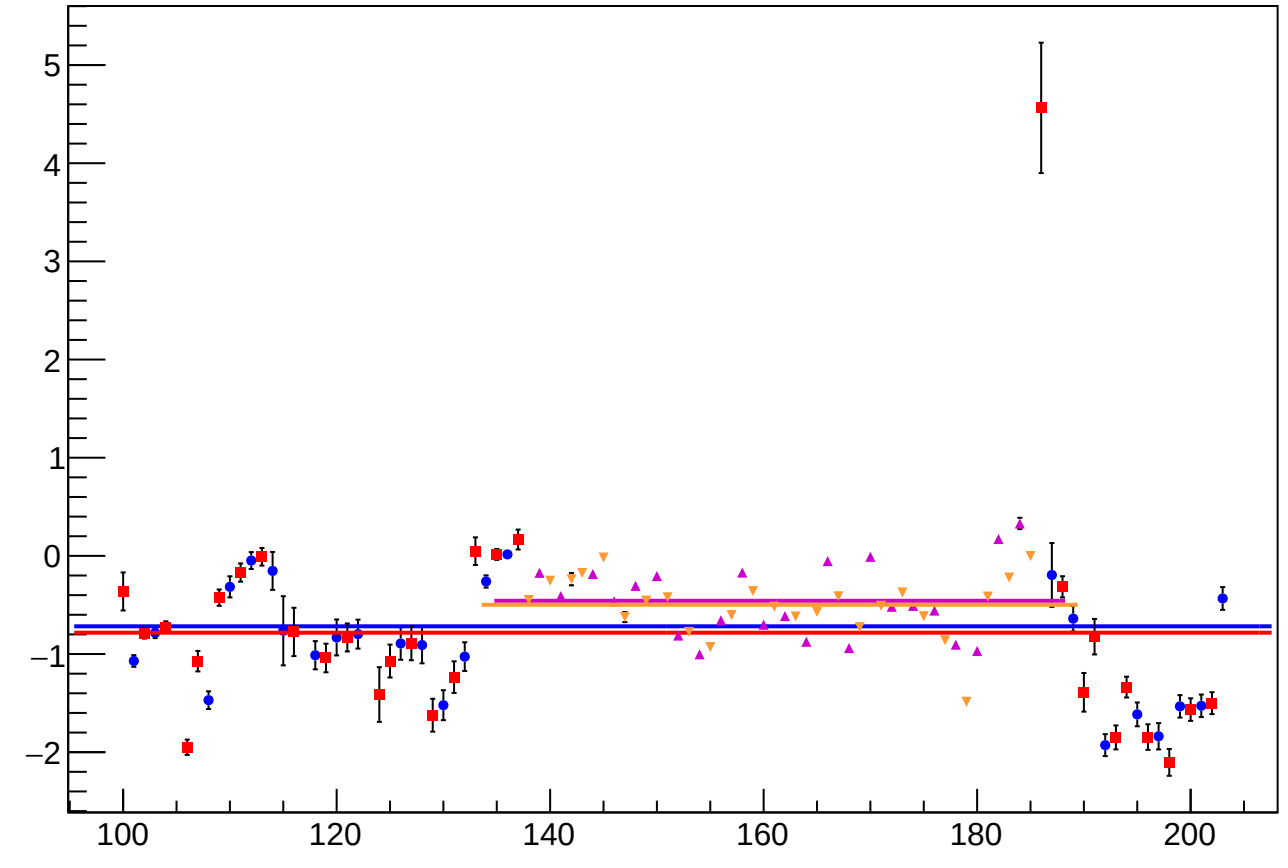
Left: 72.662+/-0.121 χ^2/NDF: 6973.3/47

Right: 70.504+/-0.287 χ^2/NDF: 12686.8/52

In: 72.279+/-0.160 χ^2/NDF:9279.2/46

Out: 72.391+/-0.155 χ^2/NDF:10428.9/53

All: 72.337+/-0.111 χ^2/NDF: 19708.3/100



Right In: -0.718+/-0.020 χ^2/NDF: 892.5/23

Left Out: -0.498+/-0.008 χ^2/NDF:1482.9/24

Right Out: -0.783+/-0.020 χ^2/NDF: 1190.1/28

Left In: -0.458+/-0.008 χ^2/NDF:2103.1/22

Left: -0.478+/-0.005 χ^2/NDF: 3600.2/47

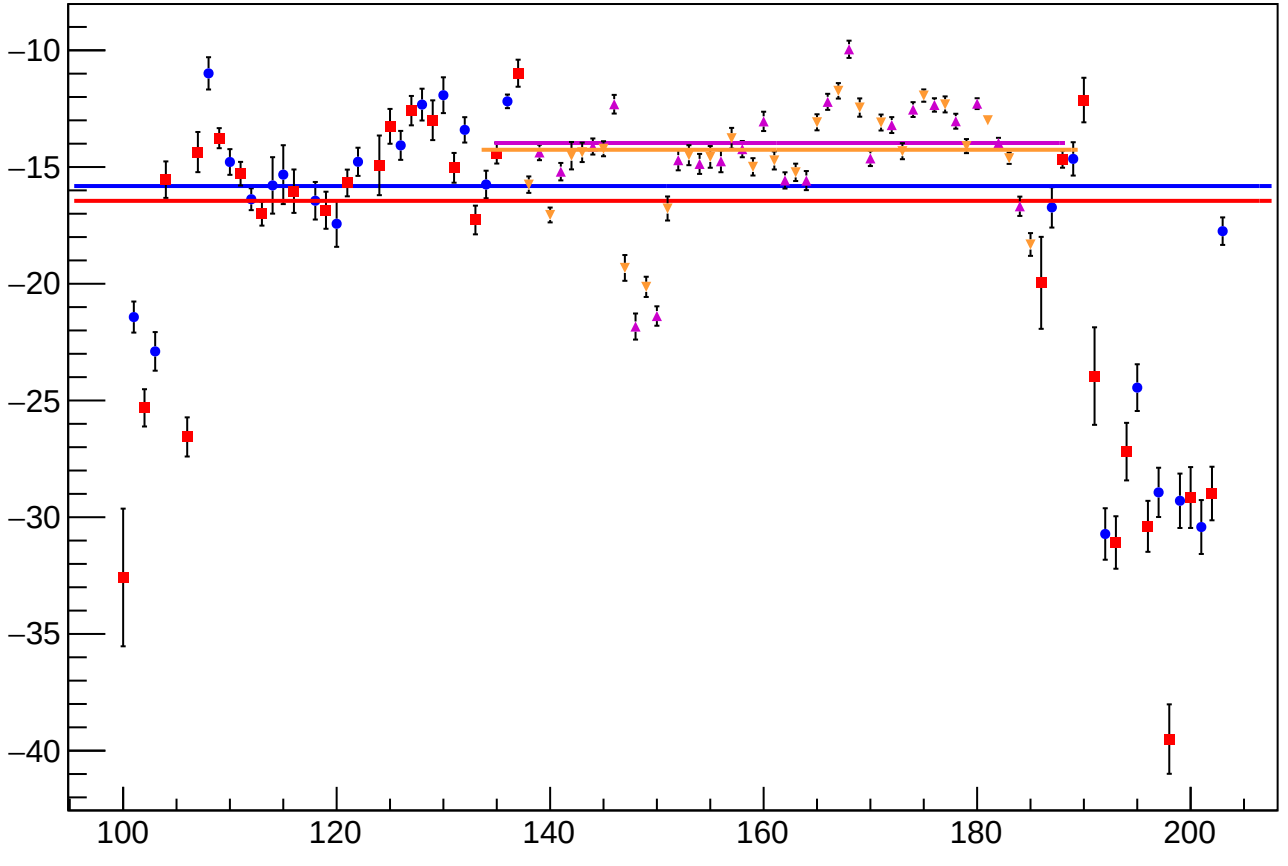
Right: -0.751+/-0.014 χ^2/NDF: 2088.1/52

In: -0.491+/-0.007 χ^2/NDF:3144.1/46

Out: -0.535+/-0.007 χ^2/NDF:2856.5/53

All: -0.513+/-0.005 χ^2/NDF: 6019.4/100

reg_asym_sam_13_57_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -15.814+/-0.135 χ^2/NDF: 1158.7/23

Left Out: -14.261+/-0.070 χ^2/NDF:724.0/24

Right Out: -16.449+/-0.132 χ^2/NDF: 1467.6/28

Left In: -13.970+/-0.072 χ^2/NDF:907.7/22

Left: -14.120+/-0.050 χ^2/NDF: 1640.2/47

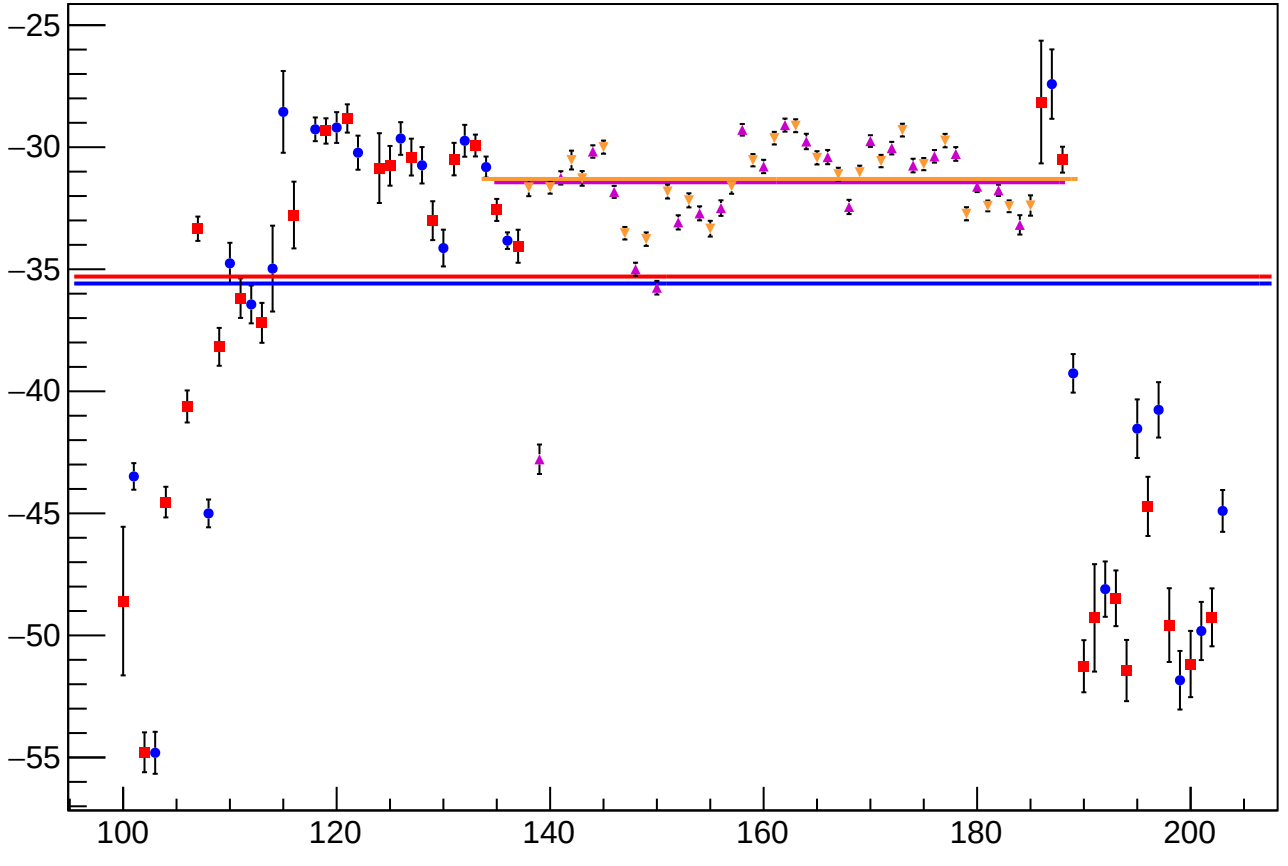
Right: -16.138+/-0.094 χ^2/NDF: 2637.6/52

In: -14.379+/-0.063 χ^2/NDF:2212.4/46

Out: -14.738+/-0.062 χ^2/NDF:2406.9/53

All: -14.564+/-0.044 χ^2/NDF: 4635.8/100

reg_asym_sam_13_57_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -35.584+/-0.142 χ^2/NDF: 2355.0/23

Left Out: -31.301+/-0.055 χ^2/NDF:553.1/24

Right Out: -35.299+/-0.140 χ^2/NDF: 2572.4/28

Left In: -31.436+/-0.057 χ^2/NDF:1214.8/22

Left: -31.366+/-0.040 χ^2/NDF: 1770.8/47

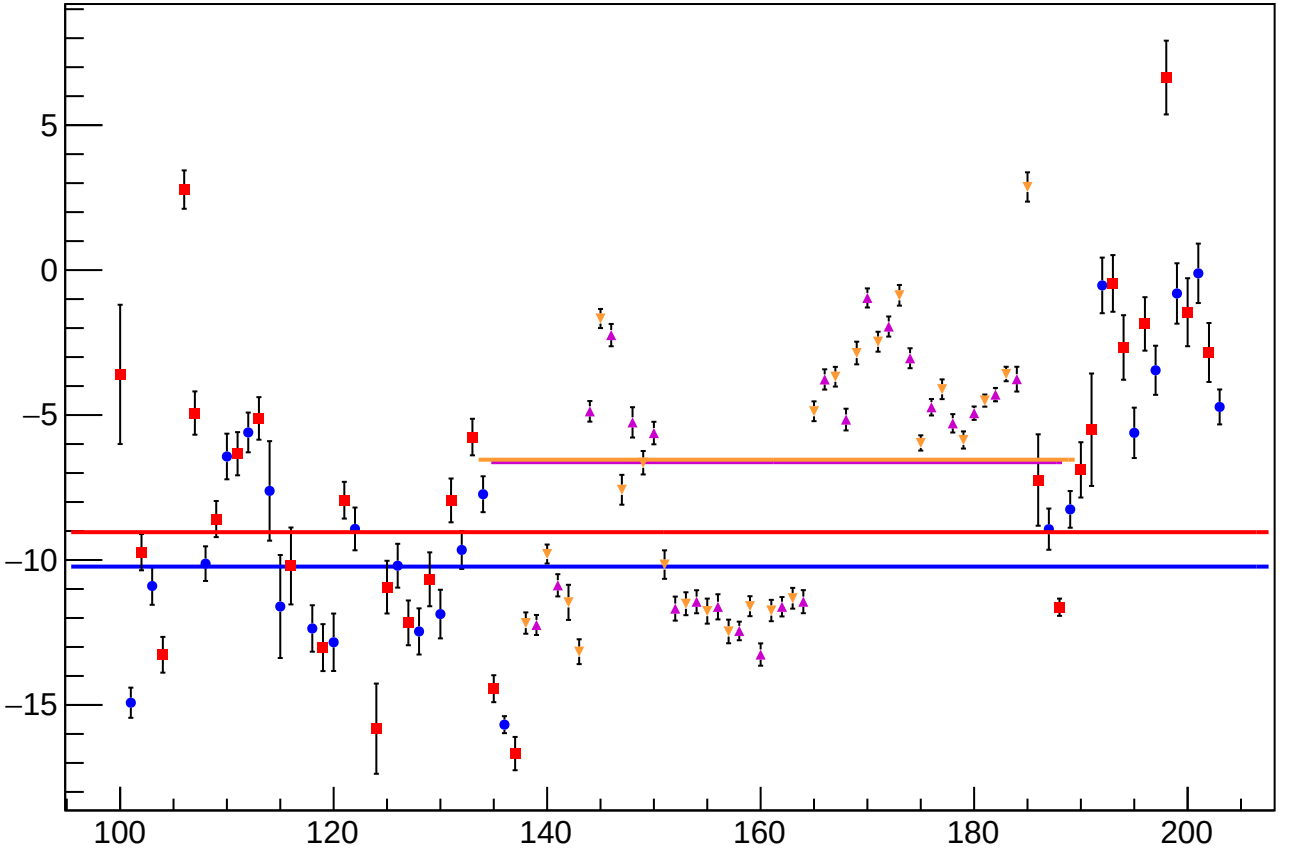
Right: -35.440+/-0.100 χ^2/NDF: 4929.5/52

In: -32.018+/-0.053 χ^2/NDF:4304.7/46

Out: -31.836+/-0.051 χ^2/NDF:3827.2/53

All: -31.924+/-0.037 χ^2/NDF: 8138.0/100

reg_asym_sam_13_57_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -10.228+/-0.139 χ^2/NDF: 1015.2/23

Left Out: -6.540+/-0.070 χ^2/NDF:3242.5/24

Right Out: -9.040+/-0.135 χ^2/NDF: 1343.4/28

Left In: -6.625+/-0.071 χ^2/NDF:2908.0/22

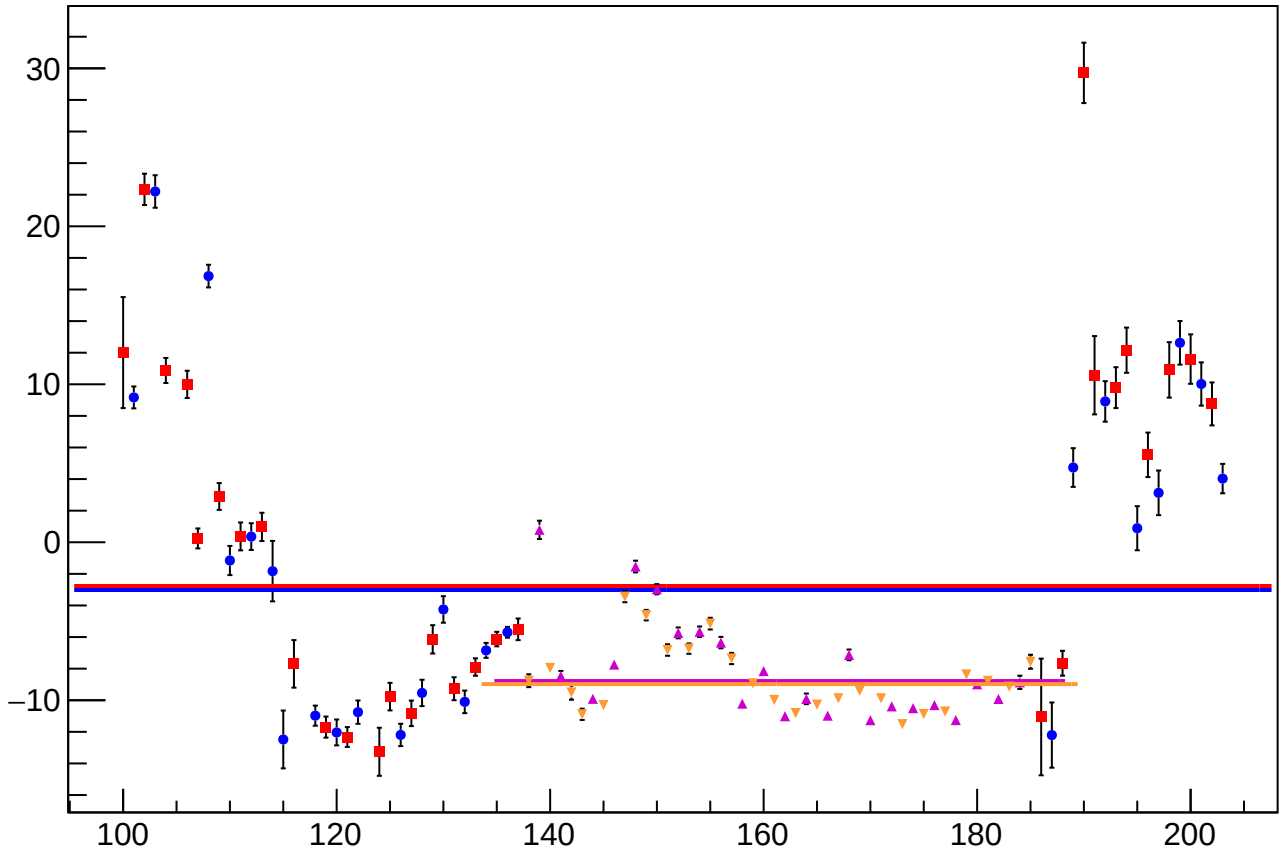
Left: -6.581+/-0.050 χ^2/NDF: 6151.3/47

Right: -9.616+/-0.097 χ^2/NDF: 2396.3/52

In: -7.379+/-0.064 χ^2/NDF:4455.8/46

Out: -7.066+/-0.062 χ^2/NDF:4857.7/53

All: -7.218+/-0.044 χ^2/NDF: 9326.1/100



Right In: -3.020+/-0.161 χ^2/NDF: 3018.9/23

Left Out: -8.977+/-0.061 χ^2/NDF:972.0/24

Right Out: -2.767+/-0.164 χ^2/NDF: 2971.0/28

Left In: -8.785+/-0.063 χ^2/NDF:1685.0/22

Left: -8.884+/-0.044 χ^2/NDF: 2661.8/47

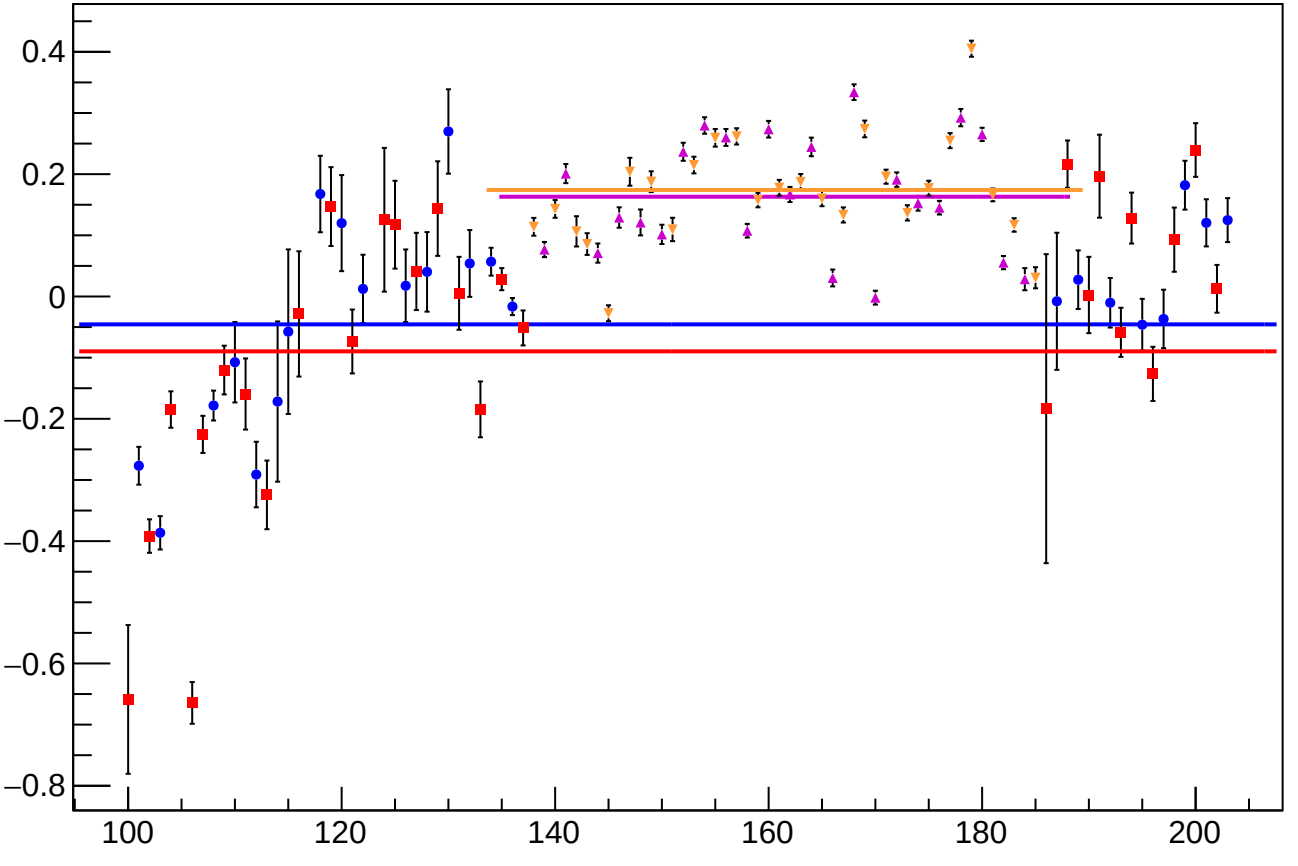
Right: -2.896+/-0.115 χ^2/NDF: 5991.0/52

In: -8.011+/-0.059 χ^2/NDF:5813.5/46

Out: -8.211+/-0.058 χ^2/NDF:5202.7/53

All: -8.114+/-0.041 χ^2/NDF: 11022.1/100

reg_asym_sam_13_57_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.046+/-0.007 χ^2/NDF: 410.2/23

Left Out: 0.174+/-0.003 χ^2/NDF:922.9/24

Right Out: -0.090+/-0.008 χ^2/NDF: 754.2/28

Left In: 0.163+/-0.003 χ^2/NDF:1195.1/22

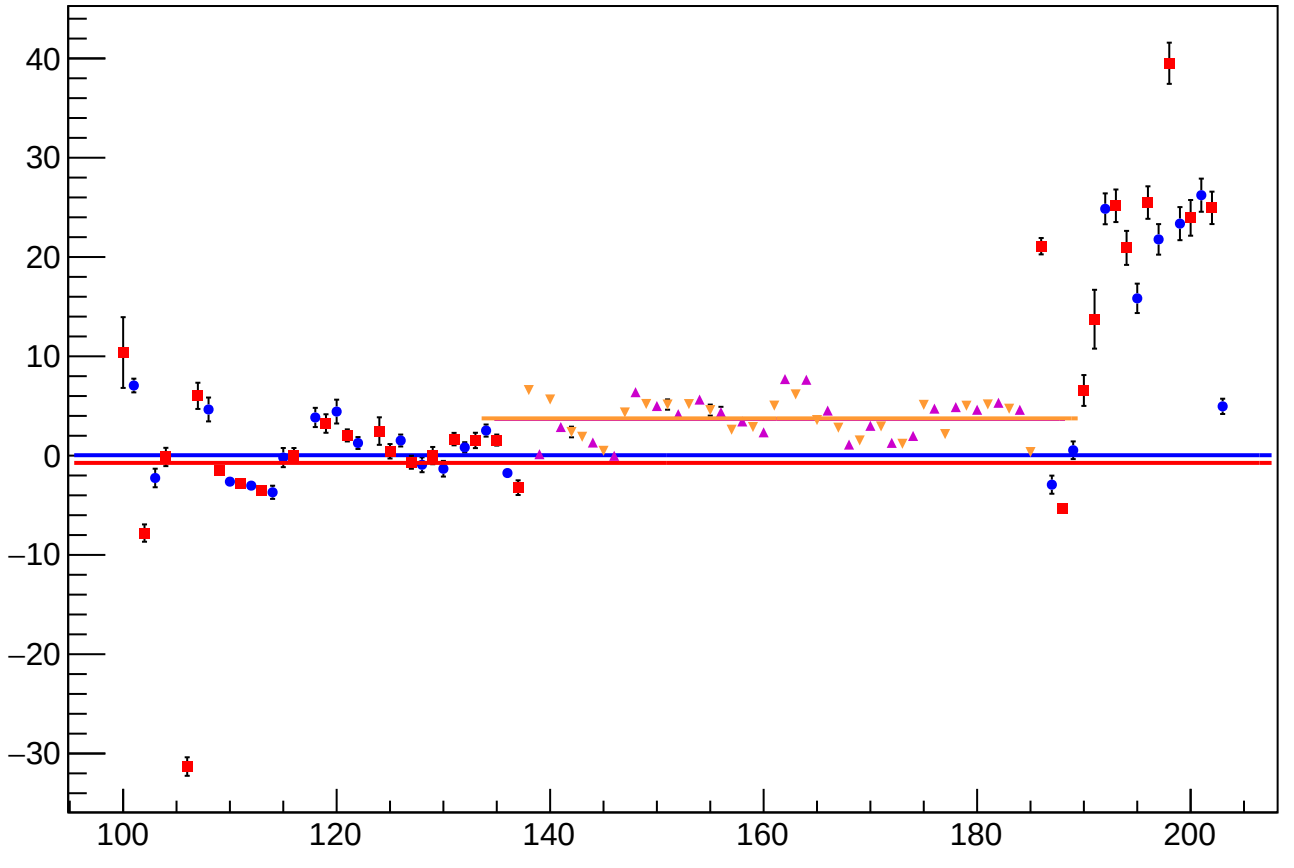
Left: 0.169+/-0.002 χ^2/NDF: 2126.1/47

Right: -0.067+/-0.005 χ^2/NDF: 1181.1/52

In: 0.138+/-0.003 χ^2/NDF:2287.6/46

Out: 0.145+/-0.003 χ^2/NDF:2703.4/53

All: 0.142+/-0.002 χ^2/NDF: 4995.0/100



Right In: 0.041+/-0.129 χ^2/NDF: 1488.9/23

Left Out: 3.750+/-0.062 χ^2/NDF:809.8/24

Right Out: -0.734+/-0.121 χ^2/NDF: 3726.8/28

Left In: 3.688+/-0.064 χ^2/NDF:953.3/22

Left: 3.720+/-0.044 χ^2/NDF: 1763.6/47

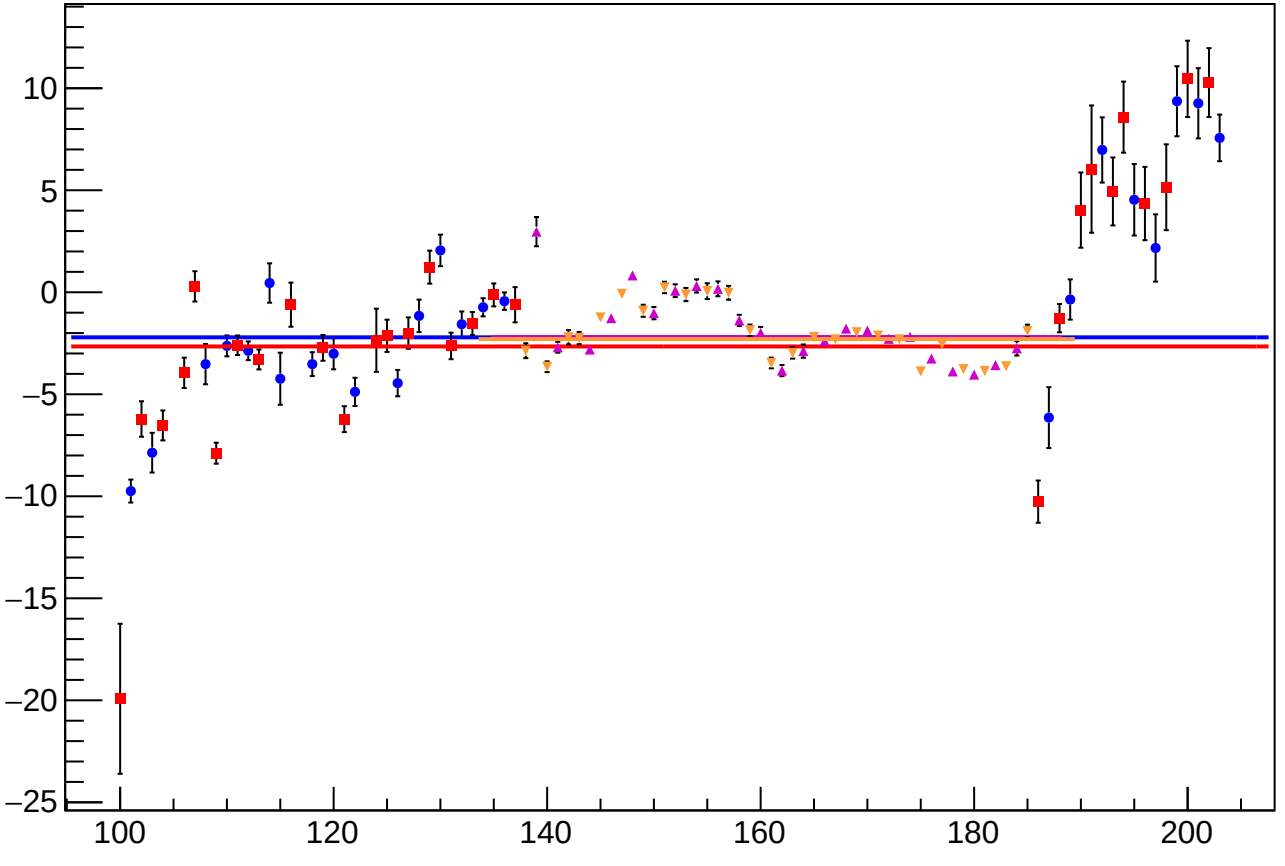
Right: -0.374+/-0.088 χ^2/NDF: 5234.9/52

In: 2.973+/-0.057 χ^2/NDF:3081.1/46

Out: 2.812+/-0.055 χ^2/NDF:5631.1/53

All: 2.889+/-0.040 χ^2/NDF: 8716.3/100

reg_asym_sam_15_37_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -2.209+/-0.149 χ^2/NDF: 551.1/23

Left Out: -2.294+/-0.050 χ^2/NDF:631.5/24

Right Out: -2.657+/-0.148 χ^2/NDF: 558.0/28

Left In: -2.204+/-0.051 χ^2/NDF:724.7/22

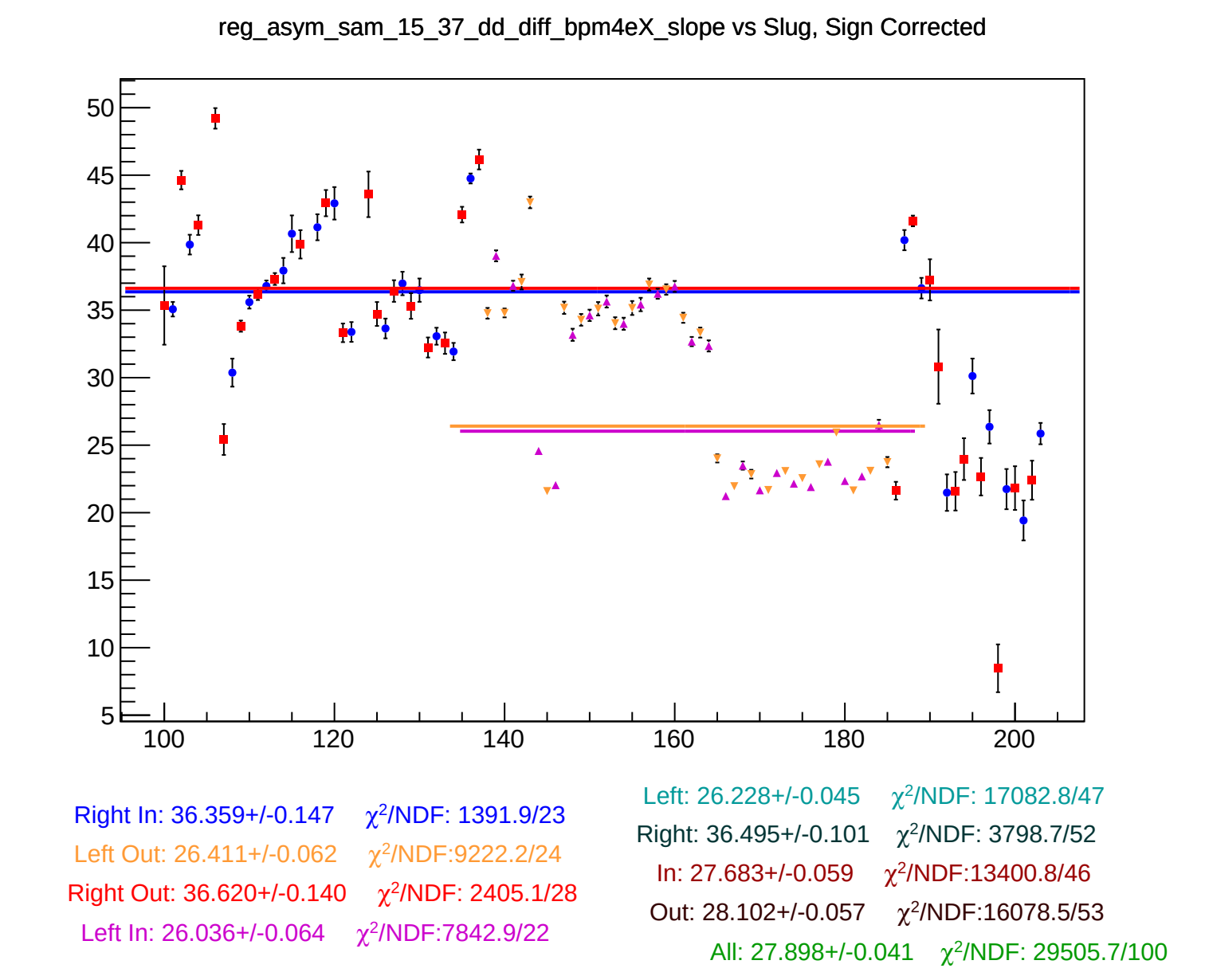
Left: -2.250+/-0.035 χ^2/NDF: 1357.8/47

Right: -2.434+/-0.105 χ^2/NDF: 1113.6/52

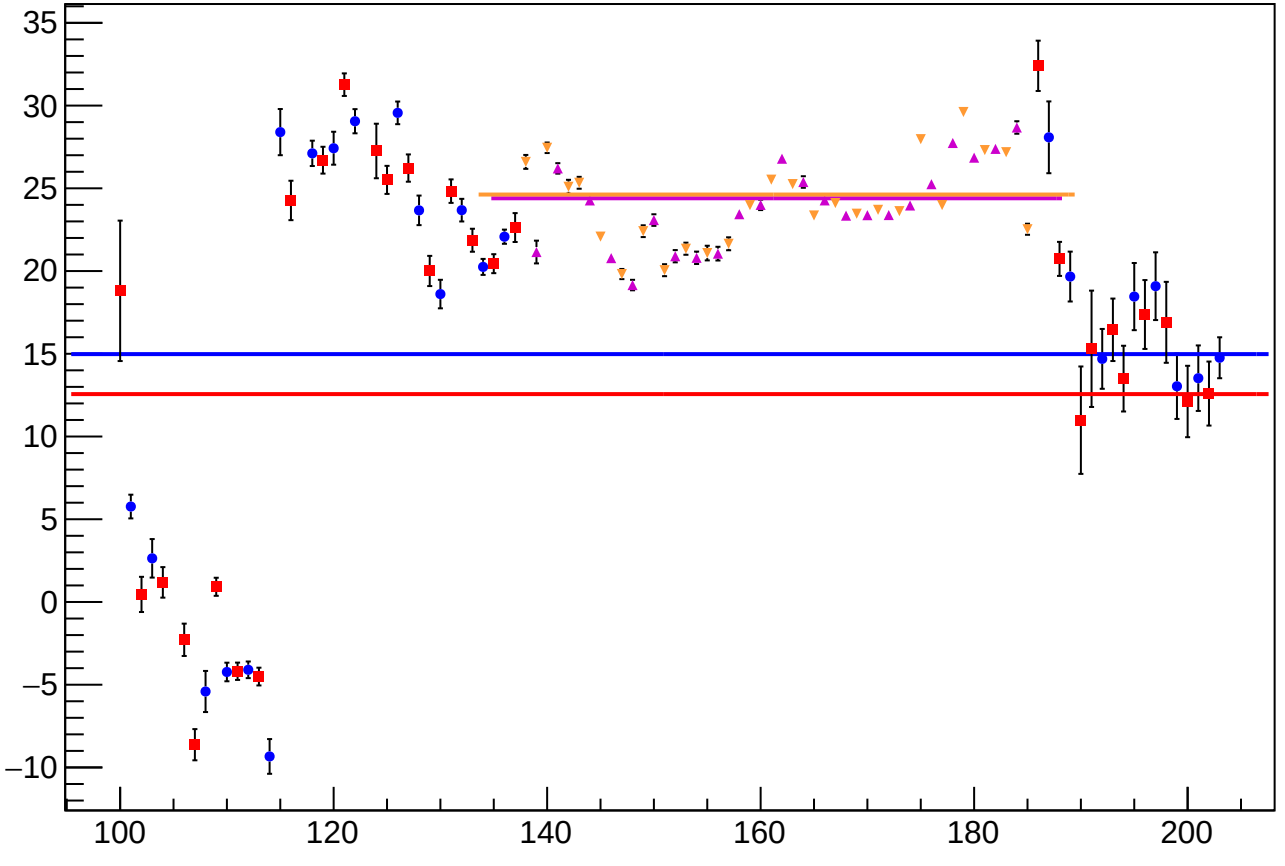
In: -2.205+/-0.048 χ^2/NDF:1275.8/46

Out: -2.331+/-0.047 χ^2/NDF:1194.8/53

All: -2.269+/-0.034 χ^2/NDF: 2474.1/100


reg_asym_sam_15_37_dd_diff_bpm4eX_slope vs Slug, Sign Corrected
50
45
40
35
30
25
20
15
10
5
100
120
140
160
180
200
Right In: 36.359+/-0.147 χ2/NDF: 1391.9/23
Left Out: 26.411+/-0.062 χ2/NDF:9222.2/24
Right Out: 36.620+/-0.140 χ2/NDF: 2405.1/28
Left In: 26.036+/-0.064 χ2/NDF:7842.9/22
Left: 26.228+/-0.045 χ2/NDF: 17082.8/47
Right: 36.495+/-0.101 χ2/NDF: 3798.7/52
In: 27.683+/-0.059 χ2/NDF:13400.8/46
Out: 28.102+/-0.057 χ2/NDF:16078.5/53
All: 27.898+/-0.041 χ2/NDF: 29505.7/100

reg_asym_sam_15_37_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 14.980+/-0.167 χ^2/NDF: 5742.0/23

Left Out: 24.624+/-0.055 χ^2/NDF:1950.7/24

Right Out: 12.564+/-0.169 χ^2/NDF: 6364.6/28

Left In: 24.397+/-0.056 χ^2/NDF:1715.6/22

Left: 24.513+/-0.039 χ^2/NDF: 3674.6/47

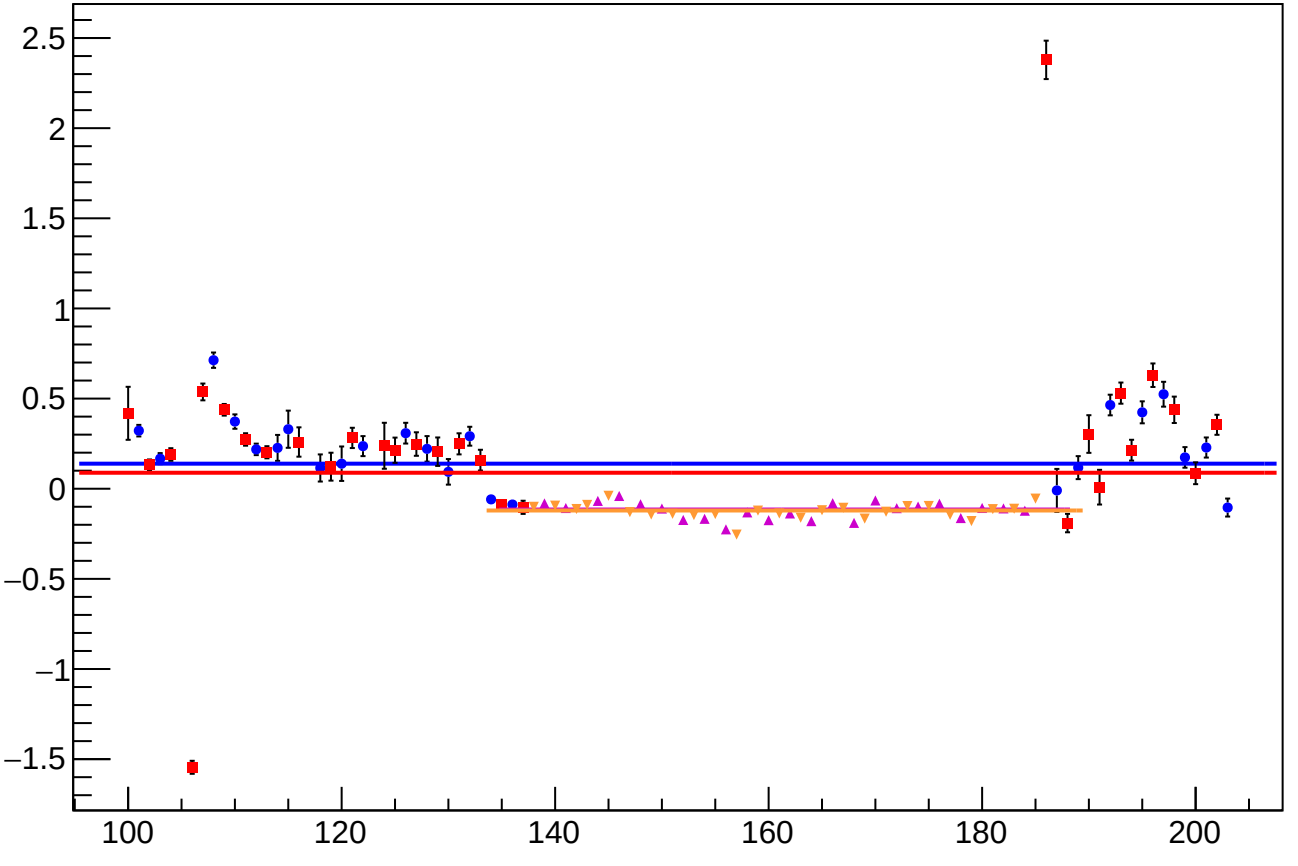
Right: 13.784+/-0.119 χ^2/NDF: 12209.7/52

In: 23.436+/-0.053 χ^2/NDF:10298.6/46

Out: 23.464+/-0.052 χ^2/NDF:12910.5/53

All: 23.450+/-0.037 χ^2/NDF: 23209.2/100

reg_asym_sam_15_37_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.139+/-0.009 χ^2/NDF: 636.7/23

Left Out: -0.121+/-0.002 χ^2/NDF:262.9/24

Right Out: 0.089+/-0.009 χ^2/NDF: 3116.3/28

Left In: -0.115+/-0.003 χ^2/NDF:290.7/22

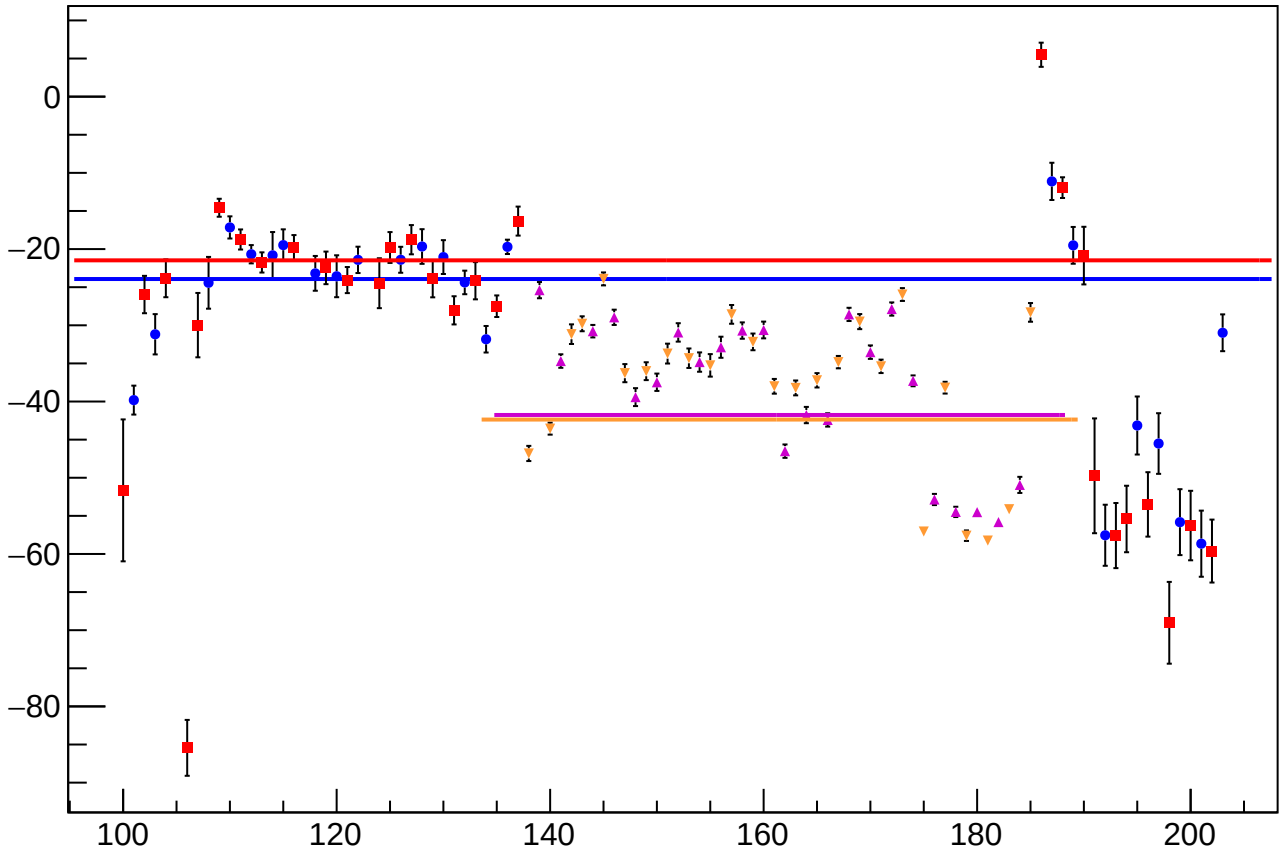
Left: -0.118+/-0.002 χ^2/NDF: 556.0/47

Right: 0.114+/-0.006 χ^2/NDF: 3769.6/52

In: -0.095+/-0.002 χ^2/NDF:1727.6/46

Out: -0.106+/-0.002 χ^2/NDF:3898.1/53

All: -0.101+/-0.002 χ^2/NDF: 5635.1/100



Right In: -23.928+/-0.405 χ^2/NDF: 446.0/23

Left Out: -42.366+/-0.175 χ^2/NDF:4477.3/24

Right Out: -21.477+/-0.389 χ^2/NDF: 1173.3/28

Left In: -41.764+/-0.182 χ^2/NDF:3459.2/22

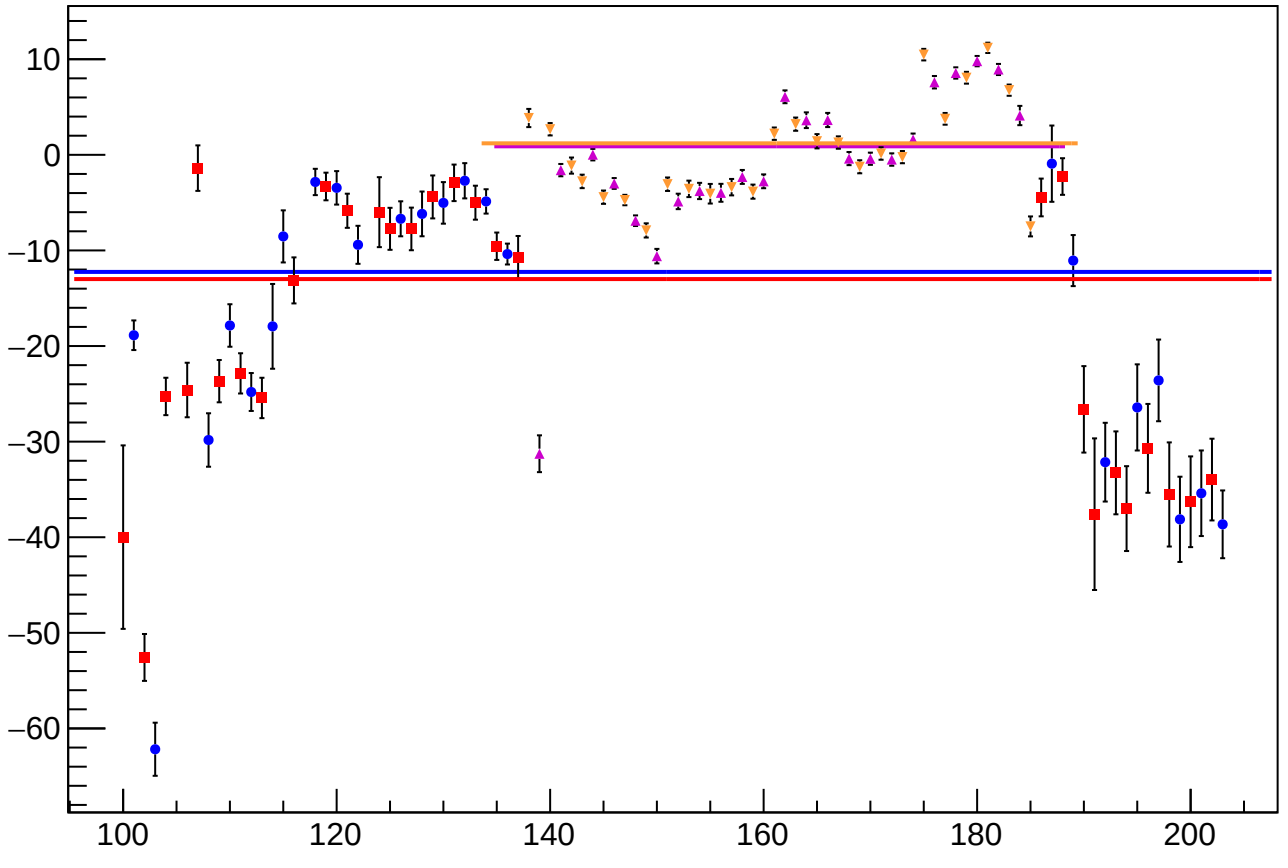
Left: -42.076+/-0.126 χ^2/NDF: 7942.1/47

Right: -22.654+/-0.280 χ^2/NDF: 1638.4/52

In: -38.770+/-0.166 χ^2/NDF:5522.1/46

Out: -38.841+/-0.160 χ^2/NDF:8048.9/53

All: -38.807+/-0.115 χ^2/NDF: 13571.0/100



Right In: -12.247+/-0.430 χ^2/NDF: 759.6/23

Left Out: 1.203+/-0.138 χ^2/NDF:1463.6/24

Right Out: -12.997+/-0.439 χ^2/NDF: 772.9/28

Left In: 0.889+/-0.143 χ^2/NDF:1763.7/22

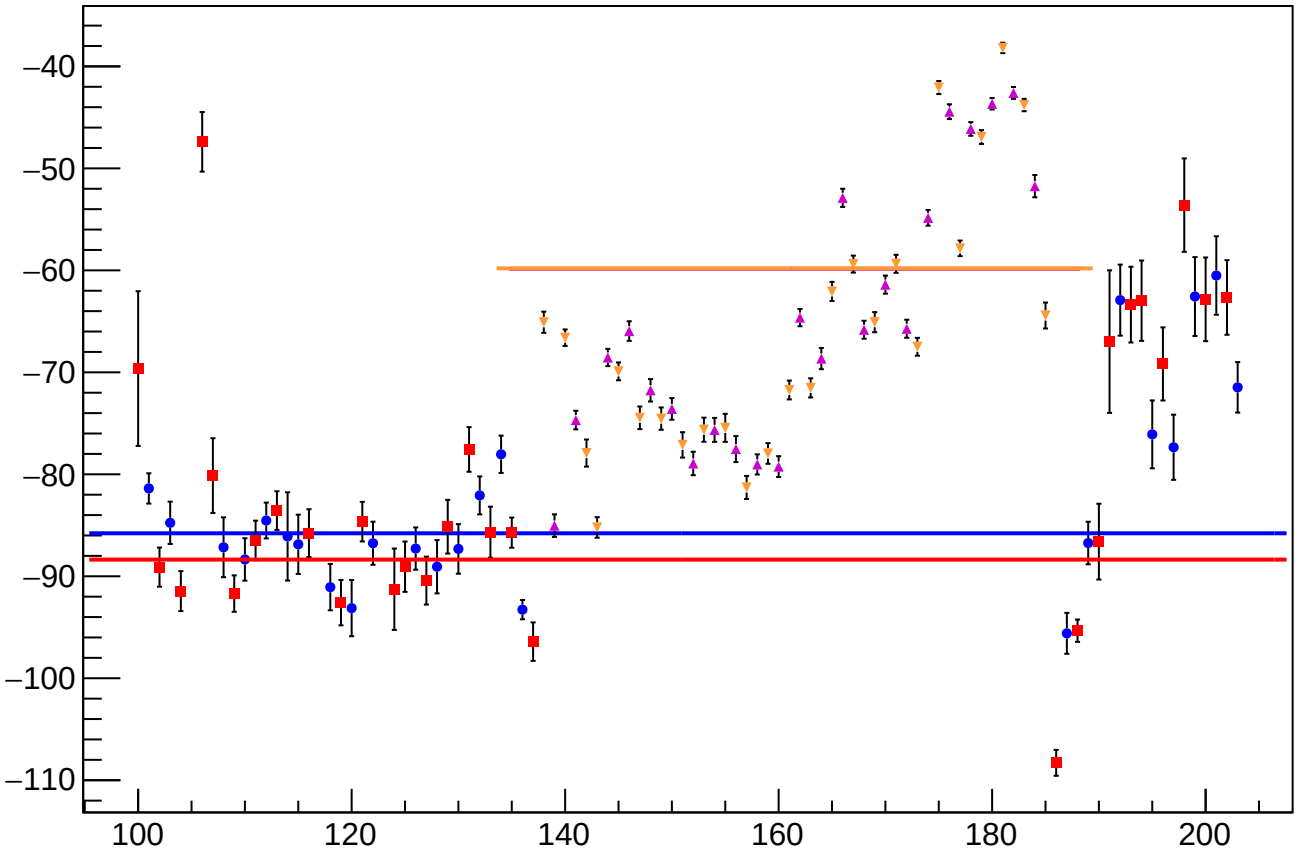
Left: 1.051+/-0.099 χ^2/NDF: 3229.8/47

Right: -12.614+/-0.307 χ^2/NDF: 1534.0/52

In: -0.419+/-0.136 χ^2/NDF:3364.3/46

Out: -0.078+/-0.132 χ^2/NDF:3189.9/53

All: -0.244+/-0.095 χ^2/NDF: 6557.4/100



Right In: -85.784+/-0.431 χ^2/NDF: 306.3/23

Left Out: -59.809+/-0.175 χ^2/NDF:6645.1/24

Right Out: -88.365+/-0.413 χ^2/NDF: 836.7/28

Left In: -59.846+/-0.181 χ^2/NDF:5534.1/22

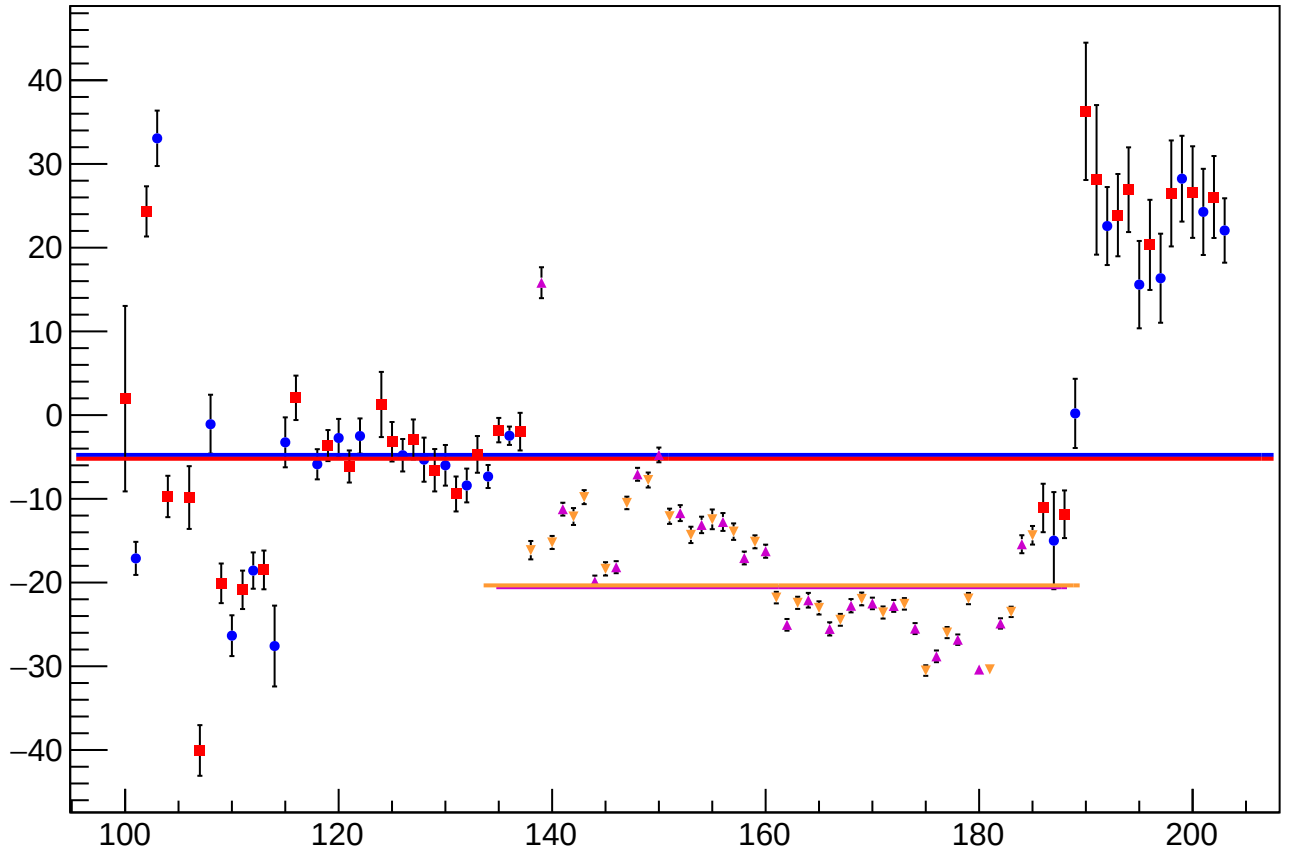
Left: -59.827+/-0.126 χ^2/NDF: 12179.2/47

Right: -87.129+/-0.298 χ^2/NDF: 1161.6/52

In: -63.733+/-0.167 χ^2/NDF:8915.5/46

Out: -64.160+/-0.161 χ^2/NDF:11524.6/53

All: -63.954+/-0.116 χ^2/NDF: 20443.4/100



Right In: -4.755+/-0.486 χ^2/NDF: 518.0/23

Left Out: -20.339+/-0.155 χ^2/NDF:1701.1/24

Right Out: -5.214+/-0.507 χ^2/NDF: 625.7/28

Left In: -20.555+/-0.160 χ^2/NDF:2193.8/22

Left: -20.444+/-0.111 χ^2/NDF: 3895.8/47

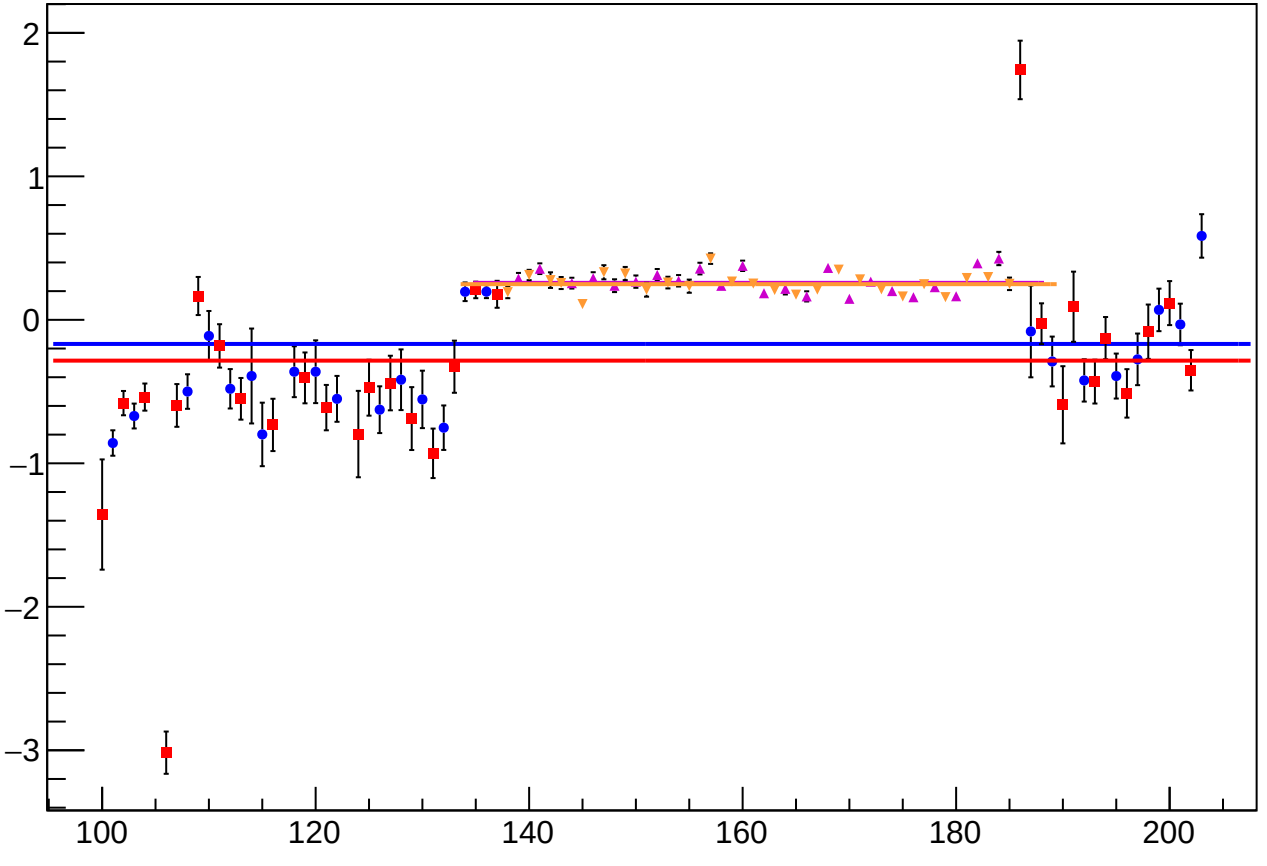
Right: -4.975+/-0.351 χ^2/NDF: 1144.1/52

In: -19.020+/-0.152 χ^2/NDF:3664.4/46

Out: -19.051+/-0.148 χ^2/NDF:3141.6/53

All: -19.036+/-0.106 χ^2/NDF: 6806.1/100

reg_asym_sam_24_68_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.168+/-0.024 χ^2/NDF: 281.8/23

Left Out: 0.249+/-0.007 χ^2/NDF:93.2/24

Right Out: -0.284+/-0.026 χ^2/NDF: 639.1/28

Left In: 0.258+/-0.007 χ^2/NDF:134.3/22

Left: 0.253+/-0.005 χ^2/NDF: 228.3/47

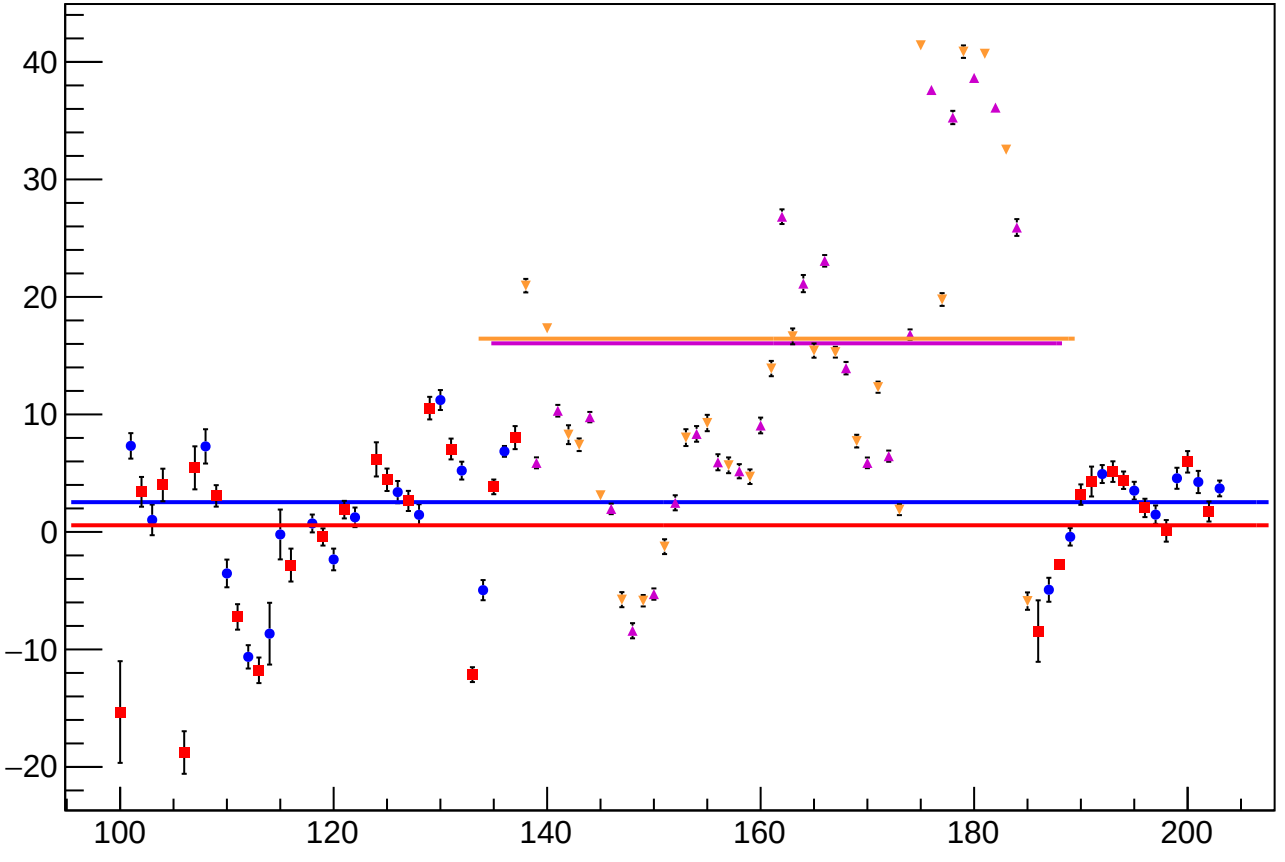
Right: -0.223+/-0.018 χ^2/NDF: 931.7/52

In: 0.224+/-0.007 χ^2/NDF:698.7/46

Out: 0.212+/-0.007 χ^2/NDF:1132.5/53

All: 0.218+/-0.005 χ^2/NDF: 1832.7/100

reg_asym_sam_26_48_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 2.534+/-0.176 χ^2/NDF: 667.3/23

Left Out: 16.449+/-0.104 χ^2/NDF:21400.3/24

Right Out: 0.566+/-0.162 χ^2/NDF: 1233.0/28

Left In: 16.051+/-0.107 χ^2/NDF:17625.1/22

Left: 16.256+/-0.075 χ^2/NDF: 39032.5/47

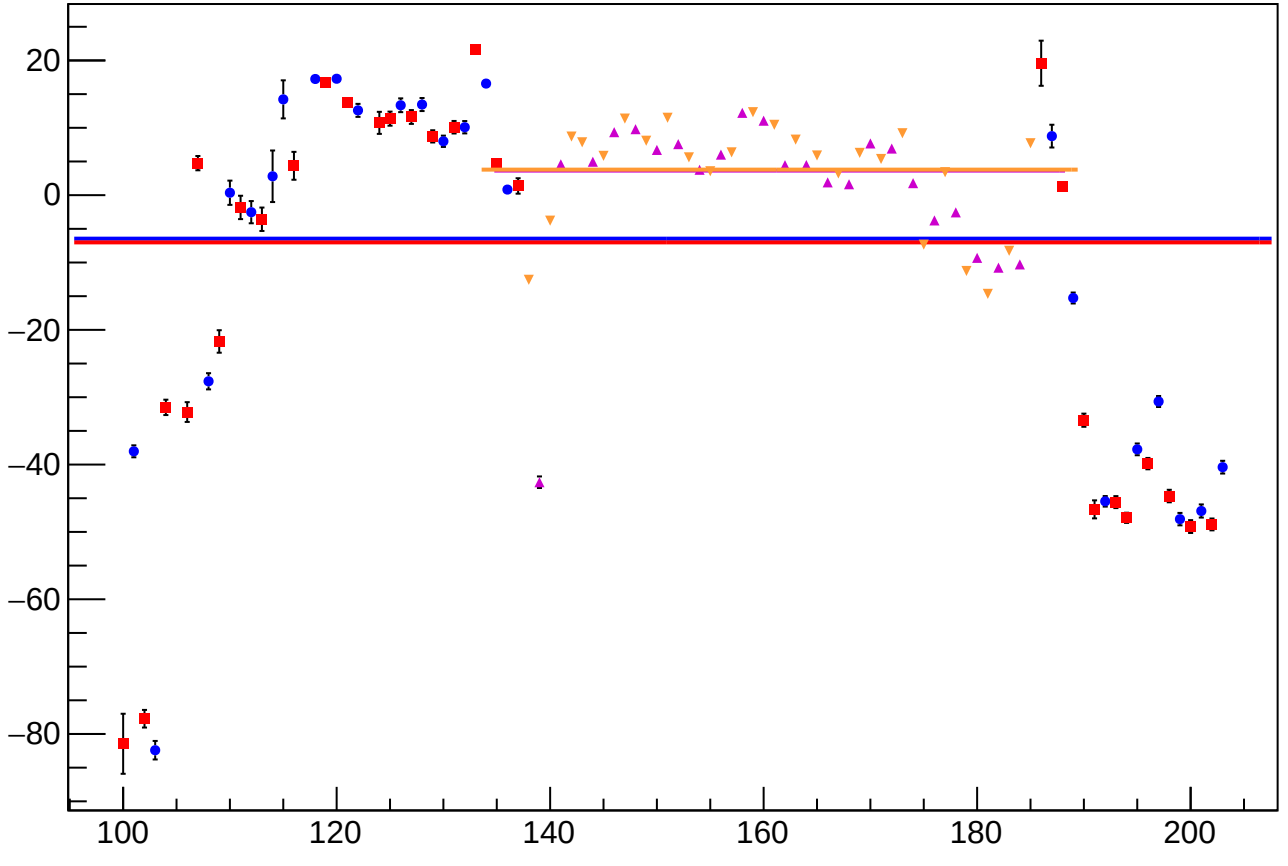
Right: 1.472+/-0.119 χ^2/NDF: 1967.9/52

In: 12.384+/-0.092 χ^2/NDF:22602.3/46

Out: 11.828+/-0.088 χ^2/NDF:29417.2/53

All: 12.094+/-0.063 χ^2/NDF: 52038.8/100

reg_asym_sam_26_48_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -6.459+/-0.176 χ^2/NDF: 22196.7/23

Left Out: 3.790+/-0.080 χ^2/NDF:9100.7/24

Right Out: -7.012+/-0.167 χ^2/NDF: 27238.9/28

Left In: 3.649+/-0.083 χ^2/NDF:8310.7/22

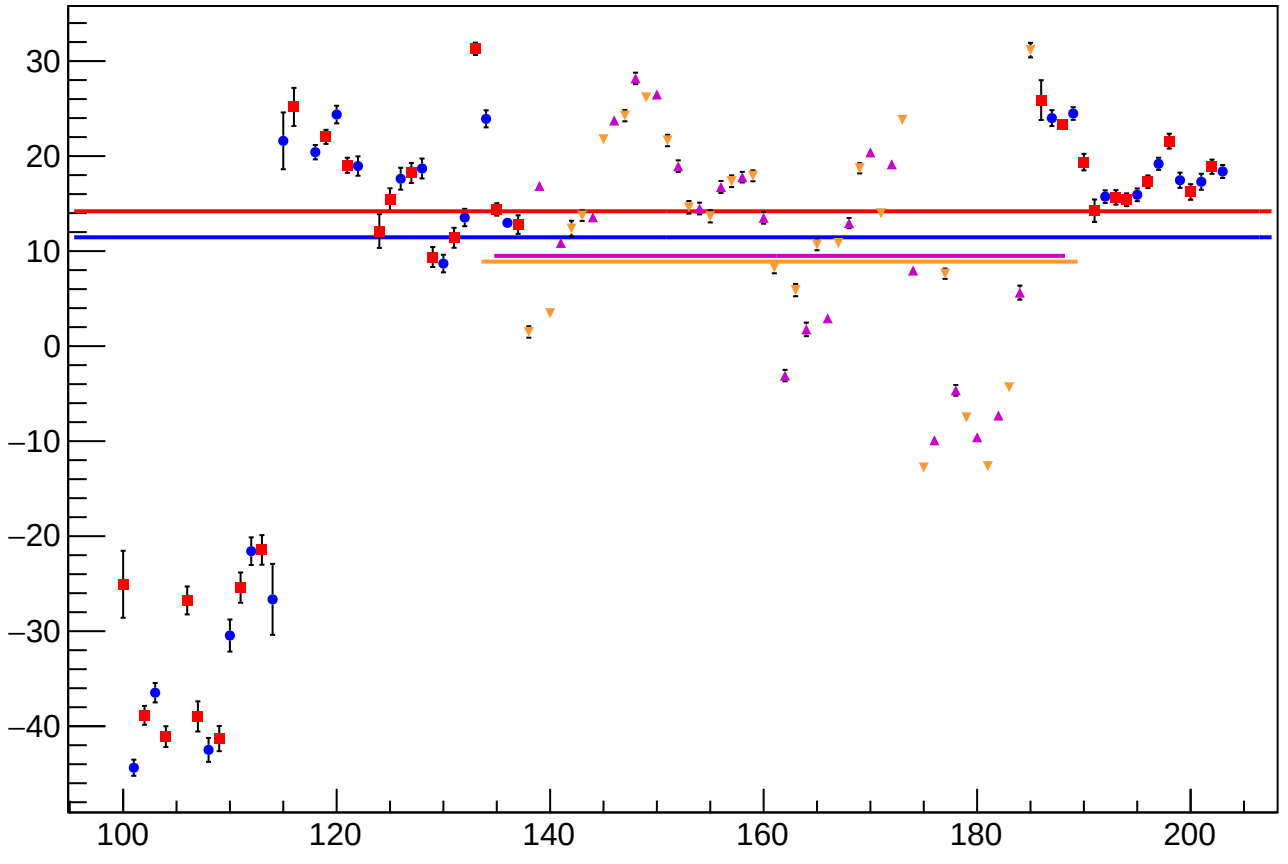
Left: 3.722+/-0.058 χ^2/NDF: 17412.8/47

Right: -6.750+/-0.121 χ^2/NDF: 49440.8/52

In: 1.808+/-0.075 χ^2/NDF:33211.4/46

Out: 1.767+/-0.072 χ^2/NDF:39746.4/53

All: 1.787+/-0.052 χ^2/NDF: 72957.9/100



Right In: 11.455+/-0.173 χ^2/NDF: 11328.9/23

Left Out: 8.892+/-0.104 χ^2/NDF:15428.1/24

Right Out: 14.192+/-0.155 χ^2/NDF: 12381.3/28

Left In: 9.500+/-0.107 χ^2/NDF:13040.9/22

Left: 9.188+/-0.074 χ^2/NDF: 28485.8/47

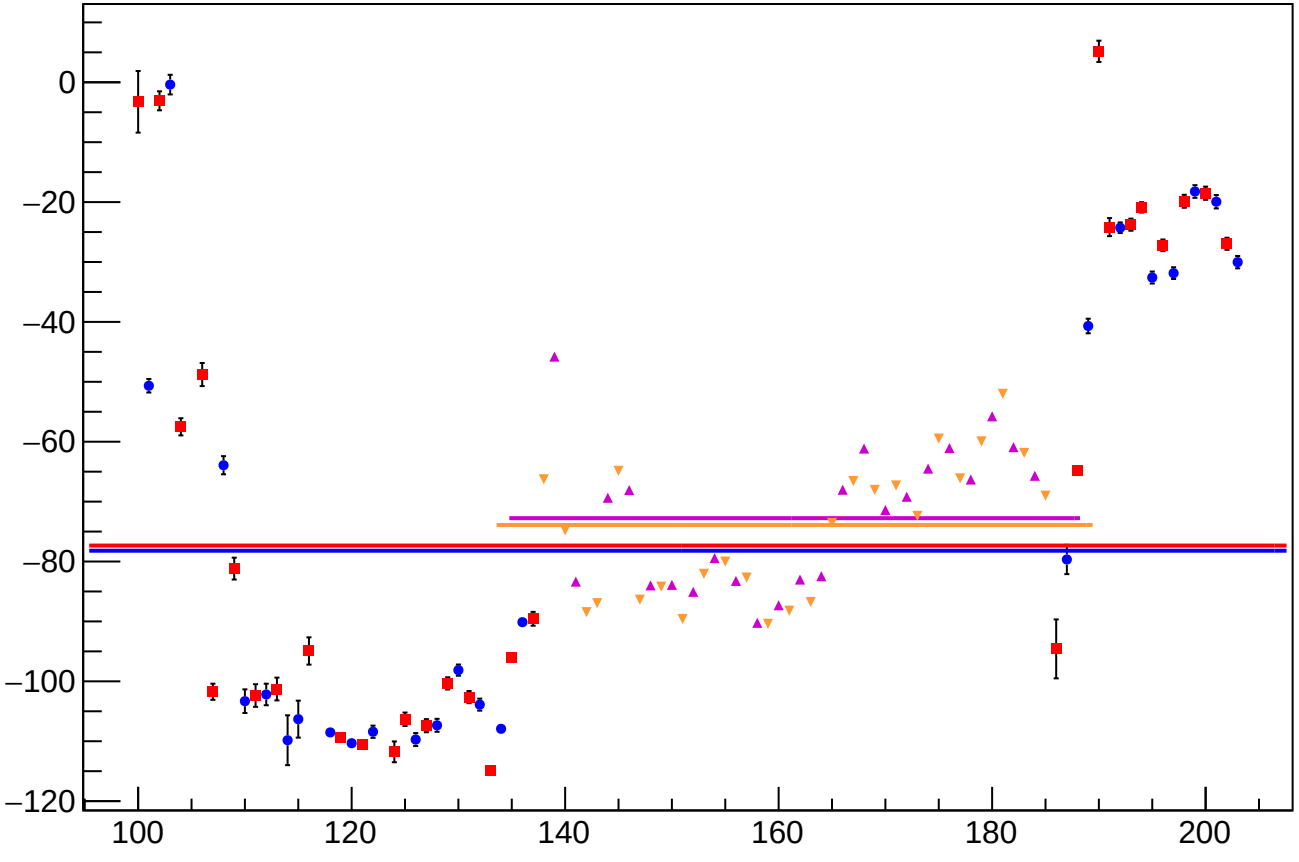
Right: 12.970+/-0.115 χ^2/NDF: 23848.9/52

In: 10.038+/-0.091 χ^2/NDF:24462.6/46

Out: 10.527+/-0.086 χ^2/NDF:28615.1/53

All: 10.295+/-0.062 χ^2/NDF: 53092.9/100

reg_asym_sam_26_48_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -78.195+/-0.205 χ^2/NDF: 30590.1/23

Left Out: -73.907+/-0.090 χ^2/NDF:15567.0/24

Right Out: -77.337+/-0.197 χ^2/NDF: 37896.8/28

Left In: -72.763+/-0.093 χ^2/NDF:12612.6/22

Left: -73.353+/-0.065 χ^2/NDF: 28257.1/47

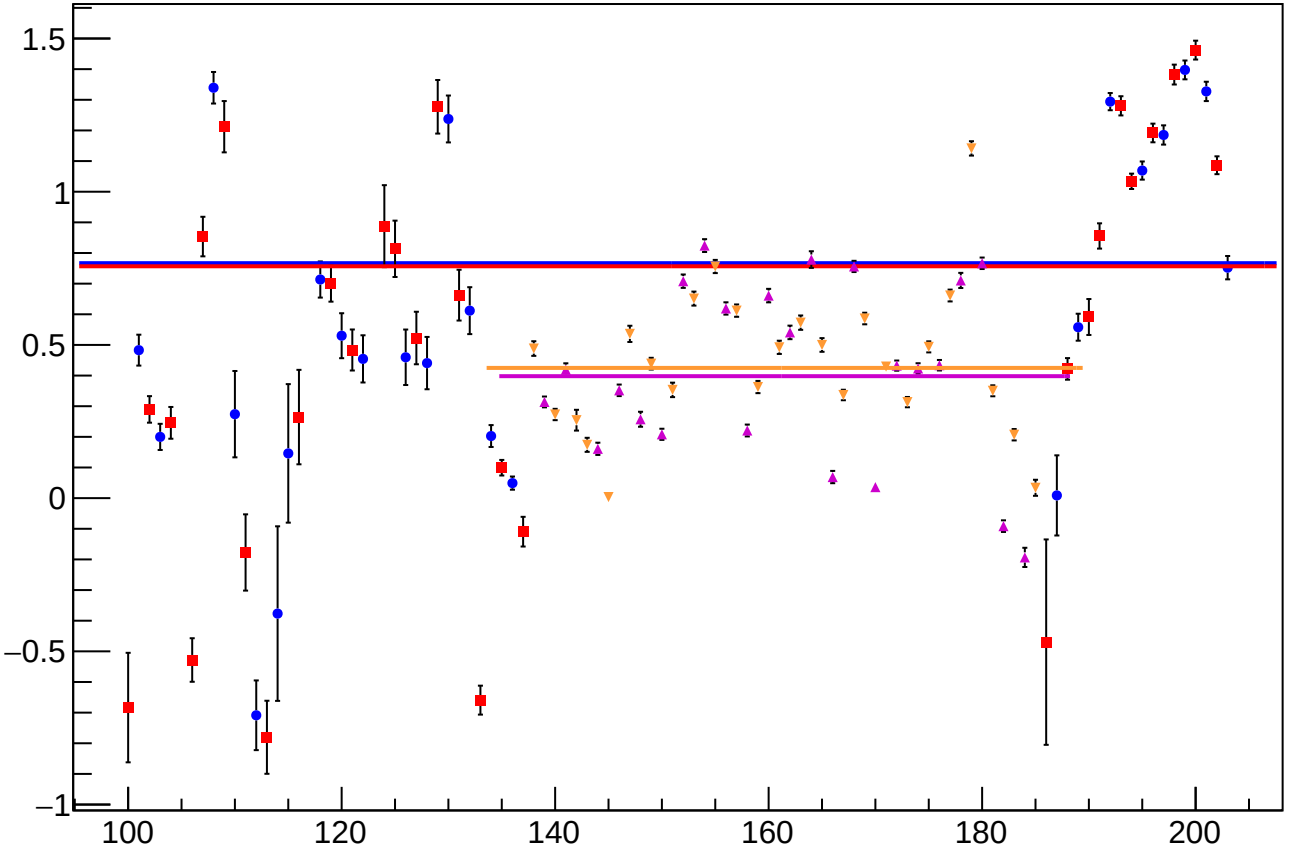
Right: -77.750+/-0.142 χ^2/NDF: 68496.0/52

In: -73.698+/-0.085 χ^2/NDF:43786.0/46

Out: -74.502+/-0.082 χ^2/NDF:53713.3/53

All: -74.113+/-0.059 χ^2/NDF: 97545.5/100

reg_asym_sam_26_48_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.767+/-0.009 χ^2/NDF: 3423.2/23

Left Out: 0.425+/-0.004 χ^2/NDF:3035.4/24

Right Out: 0.757+/-0.009 χ^2/NDF: 4569.7/28

Left In: 0.398+/-0.004 χ^2/NDF:4271.0/22

Left: 0.412+/-0.003 χ^2/NDF: 7328.2/47

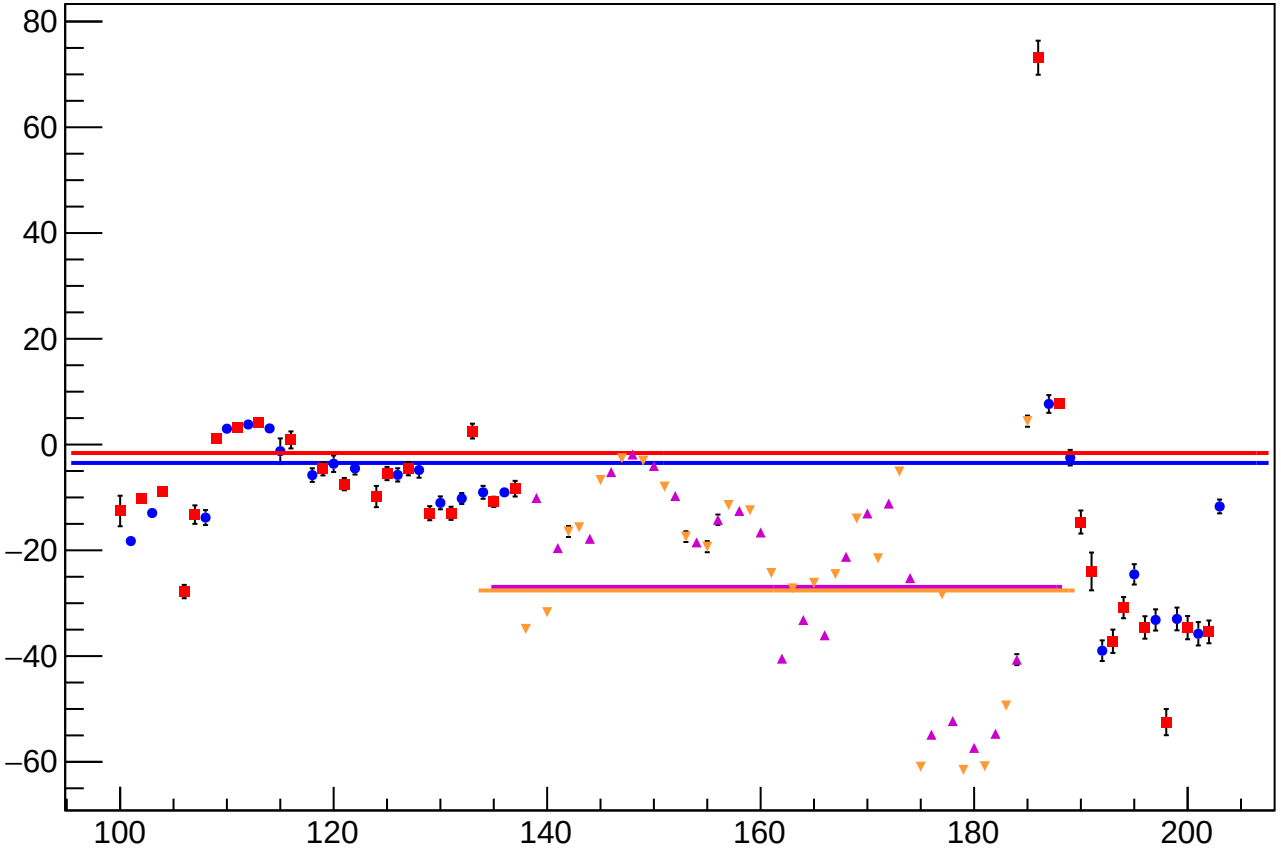
Right: 0.761+/-0.006 χ^2/NDF: 7993.6/52

In: 0.462+/-0.004 χ^2/NDF:9088.1/46

Out: 0.486+/-0.004 χ^2/NDF:8841.7/53

All: 0.475+/-0.003 χ^2/NDF: 17950.6/100

reg_asym_sam_1548_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -3.475+/-0.183 χ^2/NDF: 2691.3/23

Left Out: -27.594+/-0.144 χ^2/NDF:19761.6/24

Right Out: -1.601+/-0.163 χ^2/NDF: 3859.0/28

Left In: -26.918+/-0.149 χ^2/NDF:15536.6/22

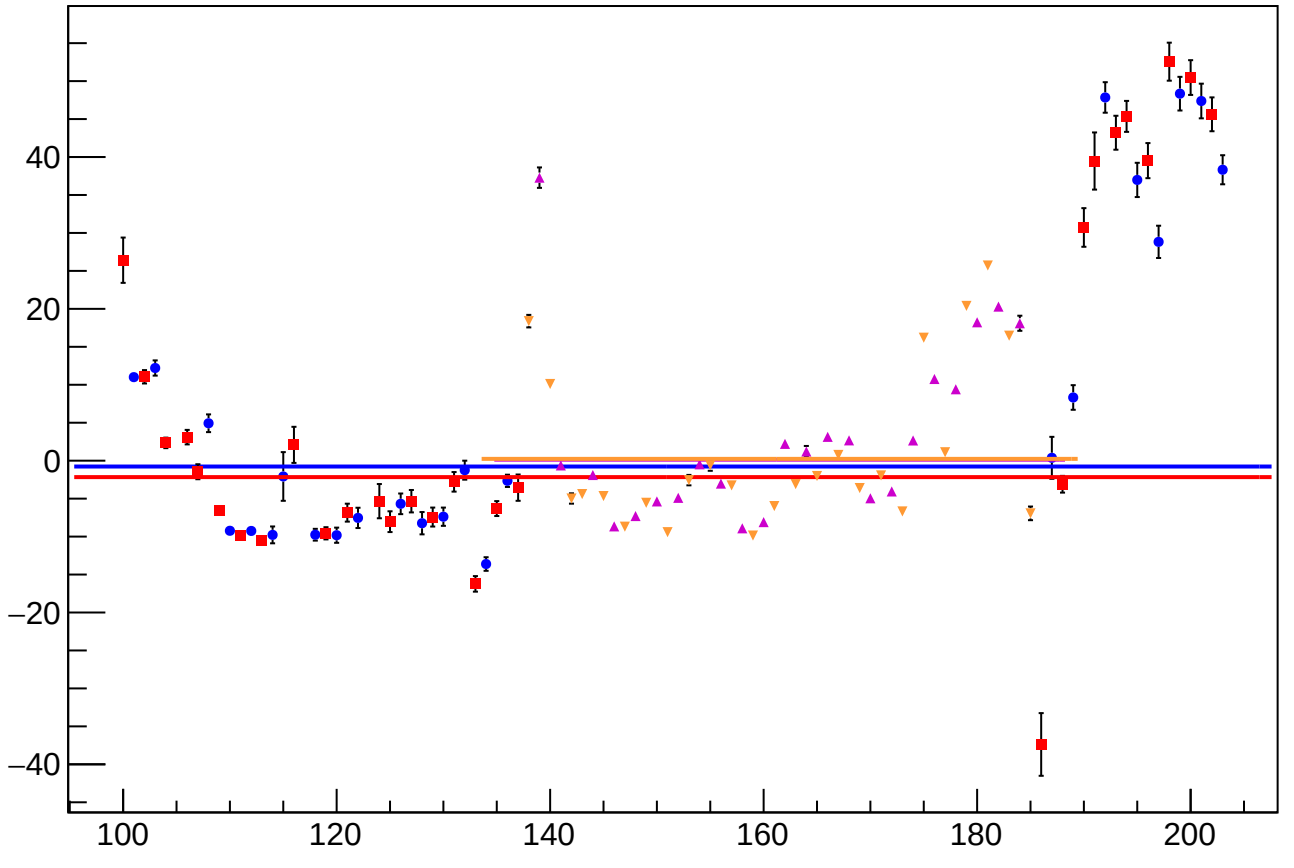
Left: -27.267+/-0.104 χ^2/NDF: 35308.8/47

Right: -2.426+/-0.122 χ^2/NDF: 6608.8/52

In: -17.580+/-0.116 χ^2/NDF:28060.2/46

Out: -16.149+/-0.108 χ^2/NDF:37905.6/53

All: -16.815+/-0.079 χ^2/NDF: 66047.6/100



Right In: -0.770+/-0.216 χ^2/NDF: 4048.3/23

Left Out: 0.238+/-0.110 χ^2/NDF:8035.6/24

Right Out: -2.165+/-0.208 χ^2/NDF: 4272.8/28

Left In: 0.131+/-0.114 χ^2/NDF:5837.4/22

Left: 0.187+/-0.079 χ^2/NDF: 13873.5/47

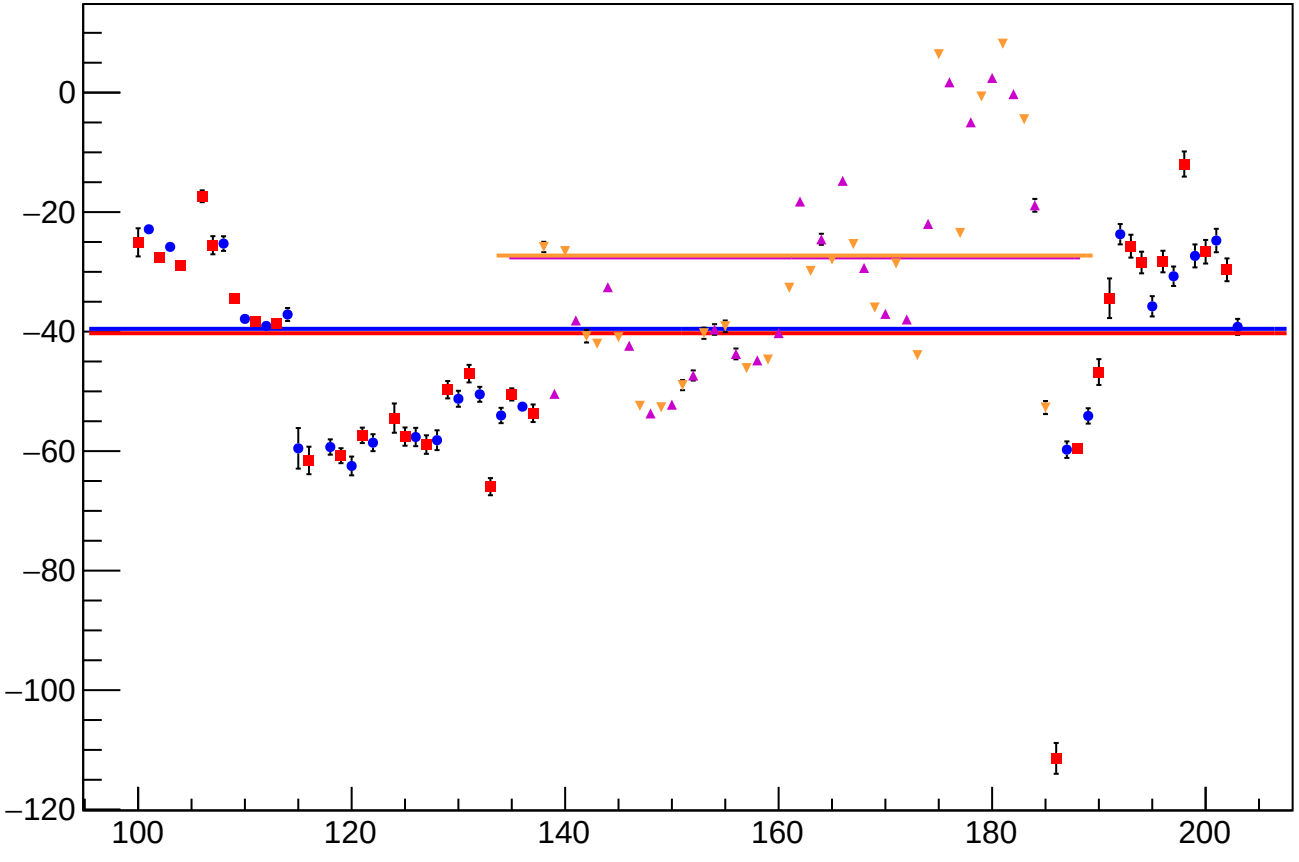
Right: -1.494+/-0.150 χ^2/NDF: 8342.8/52

In: -0.067+/-0.101 χ^2/NDF:9899.4/46

Out: -0.291+/-0.097 χ^2/NDF:12412.9/53

All: -0.183+/-0.070 χ^2/NDF: 22314.8/100

reg_asym_sam_1548_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -39.534+/-0.209 χ^2/NDF: 3519.5/23

Left Out: -27.271+/-0.144 χ^2/NDF:18526.9/24

Right Out: -40.272+/-0.193 χ^2/NDF: 4969.0/28

Left In: -27.583+/-0.148 χ^2/NDF:15648.7/22

Left: -27.423+/-0.103 χ^2/NDF: 34177.9/47

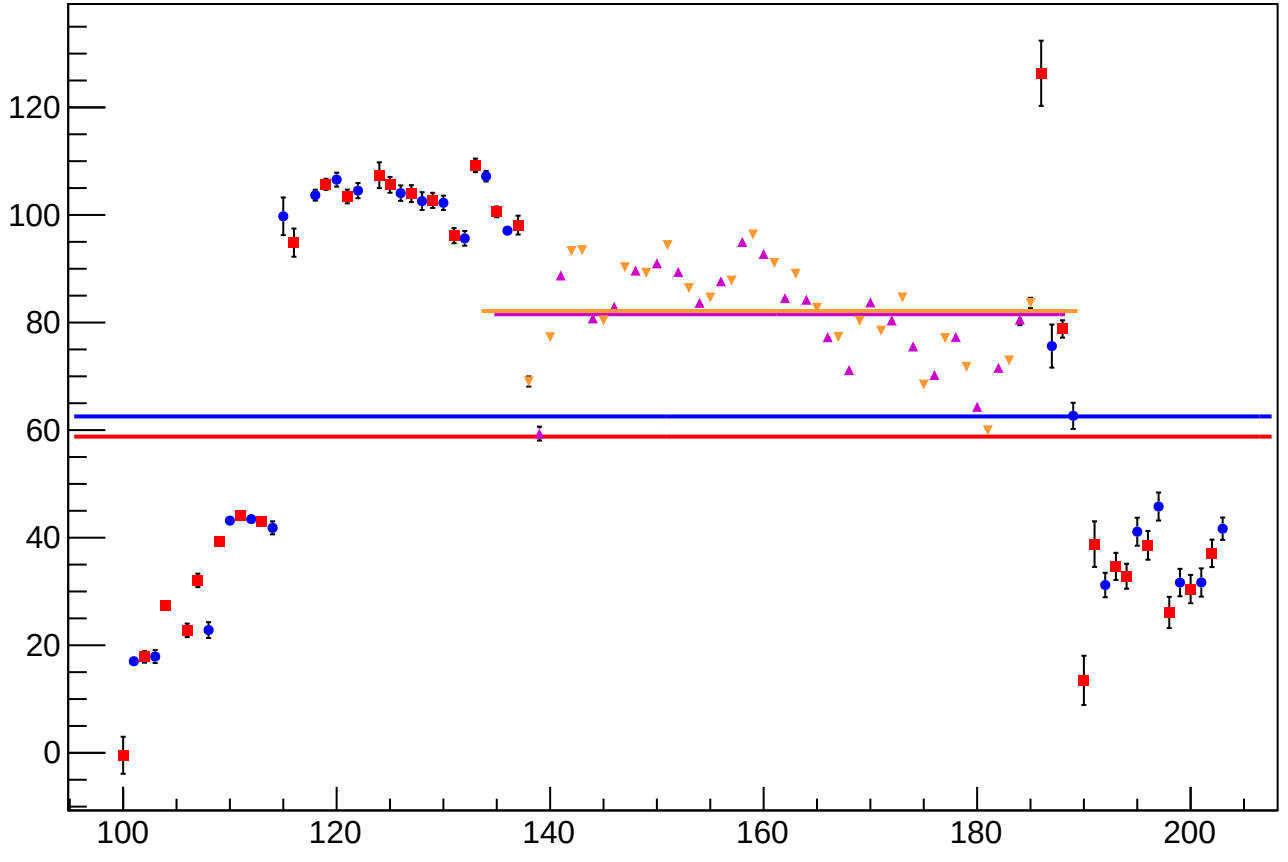
Right: -39.932+/-0.142 χ^2/NDF: 8495.2/52

In: -31.590+/-0.121 χ^2/NDF:21348.4/46

Out: -31.912+/-0.115 χ^2/NDF:26409.9/53

All: -31.758+/-0.083 χ^2/NDF: 47762.0/100

reg_asym_sam_1548_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 62.542+/-0.247 χ^2/NDF: 19333.5/23

Left Out: 82.134+/-0.125 χ^2/NDF:5375.9/24

Right Out: 58.791+/-0.239 χ^2/NDF: 18432.1/28

Left In: 81.539+/-0.129 χ^2/NDF:4043.0/22

Left: 81.846+/-0.090 χ^2/NDF: 9429.9/47

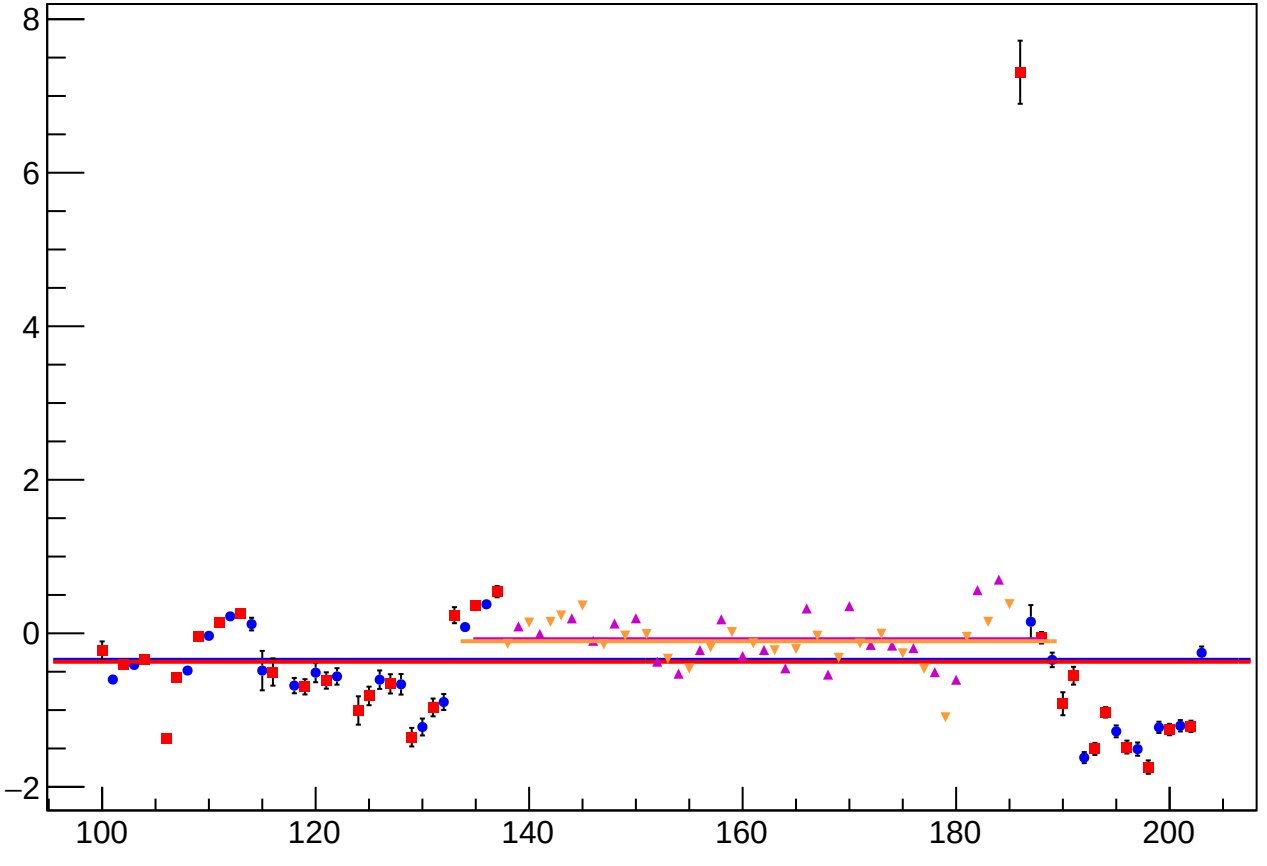
Right: 60.598+/-0.172 χ^2/NDF: 37884.7/52

In: 77.482+/-0.114 χ^2/NDF:28011.5/46

Out: 77.120+/-0.111 χ^2/NDF:31327.0/53

All: 77.295+/-0.079 χ^2/NDF: 59343.6/100

reg_asym_sam_1548_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.345+/-0.012 χ^2/NDF: 1975.1/23

Left Out: -0.103+/-0.006 χ^2/NDF:2408.2/24

Right Out: -0.370+/-0.012 χ^2/NDF: 2892.1/28

Left In: -0.077+/-0.006 χ^2/NDF:3320.8/22

Left: -0.090+/-0.004 χ^2/NDF: 5739.7/47

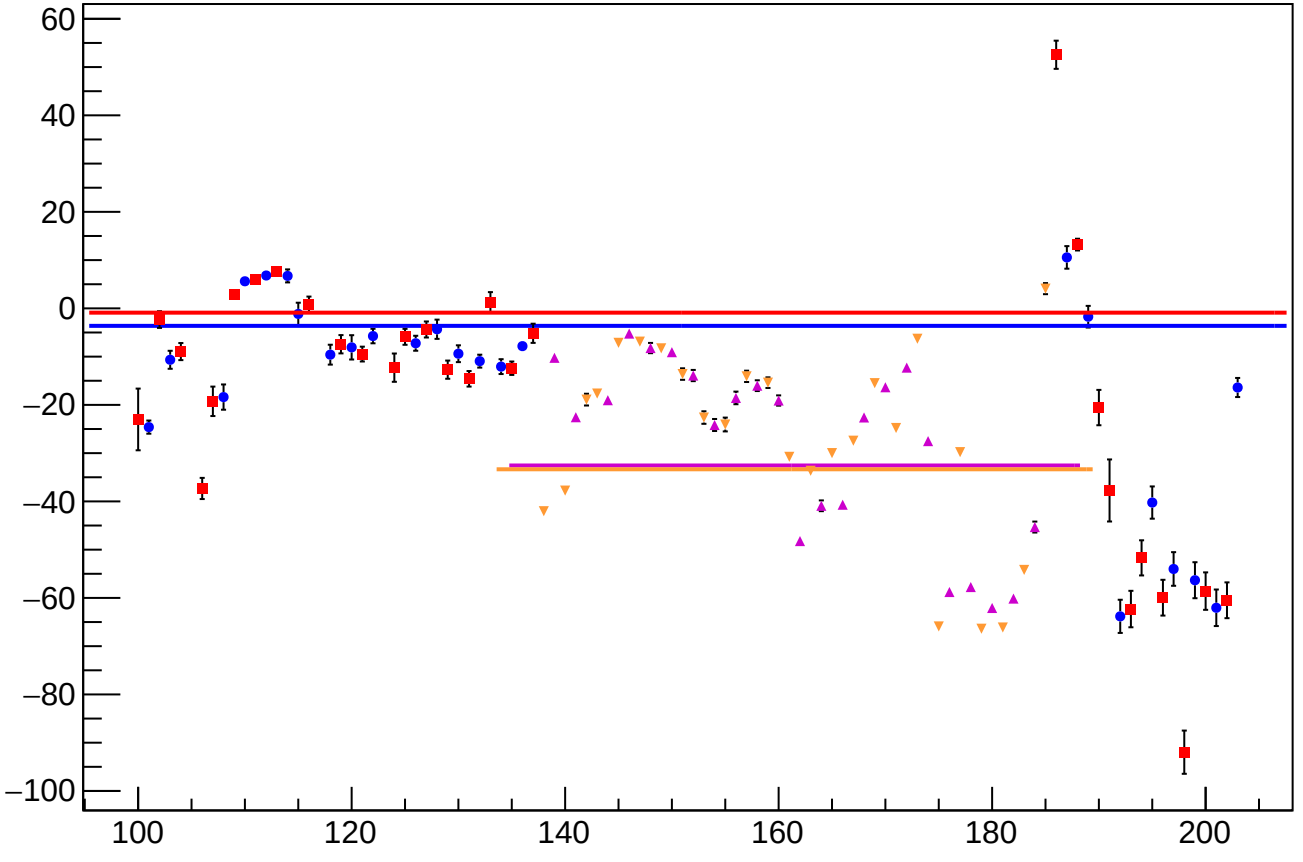
Right: -0.358+/-0.008 χ^2/NDF: 4869.4/52

In: -0.125+/-0.005 χ^2/NDF:5690.0/46

Out: -0.153+/-0.005 χ^2/NDF:5723.9/53

All: -0.140+/-0.004 χ^2/NDF: 11428.5/100

reg_asym_sam_3748_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -3.624+/-0.294 χ^2/NDF: 2093.6/23

Left Out: -33.346+/-0.165 χ^2/NDF:17989.6/24

Right Out: -0.889+/-0.268 χ^2/NDF: 3079.1/28

Left In: -32.559+/-0.169 χ^2/NDF:13896.0/22

Left: -32.964+/-0.118 χ^2/NDF: 31896.7/47

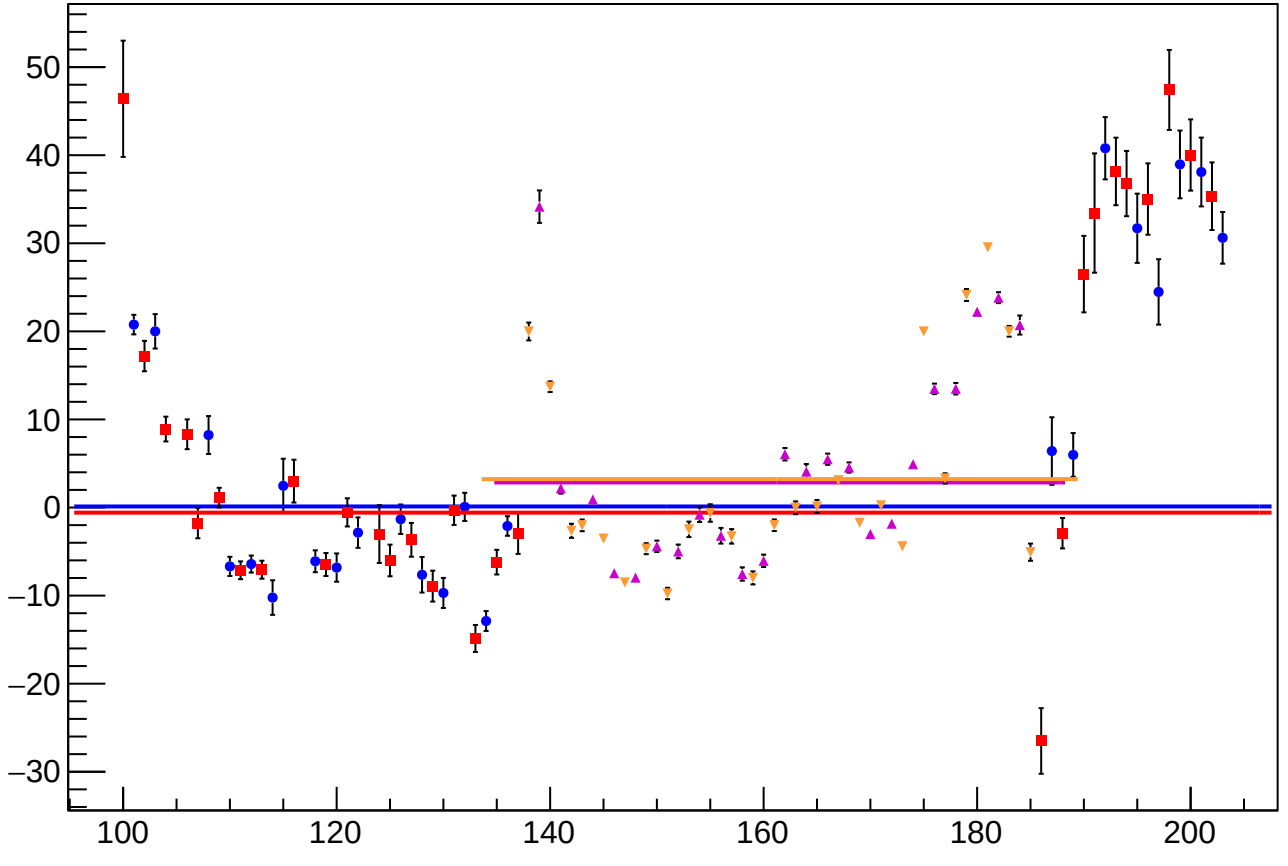
Right: -2.133+/-0.198 χ^2/NDF: 5219.9/52

In: -25.344+/-0.147 χ^2/NDF:23262.1/46

Out: -24.476+/-0.140 χ^2/NDF:31694.2/53

All: -24.890+/-0.101 χ^2/NDF: 54974.6/100

reg_asym_sam_3748_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 0.118+/-0.341 χ^2/NDF: 1361.5/23

Left Out: 3.224+/-0.128 χ^2/NDF:7675.6/24

Right Out: -0.580+/-0.337 χ^2/NDF: 1172.2/28

Left In: 2.845+/-0.131 χ^2/NDF:5455.5/22

Left: 3.039+/-0.092 χ^2/NDF: 13135.4/47

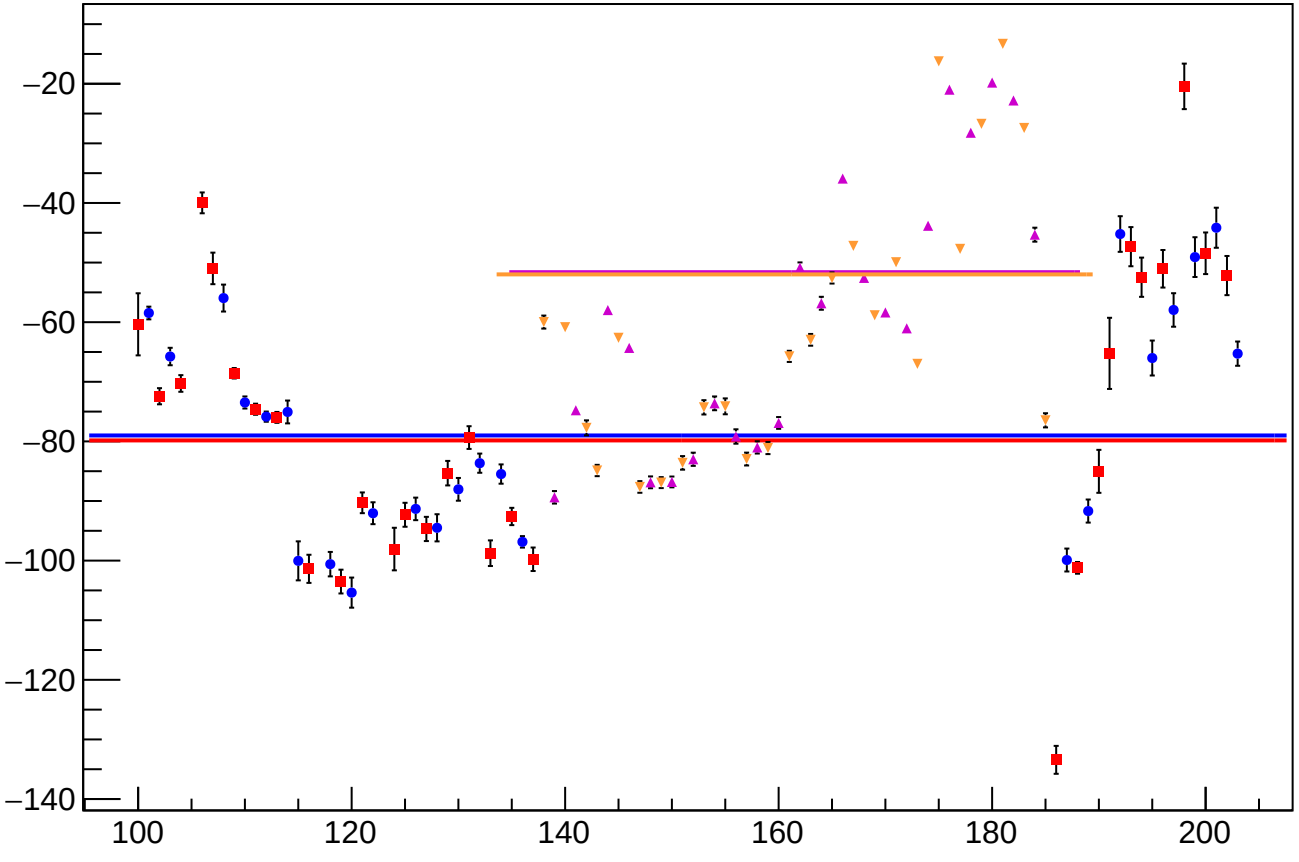
Right: -0.235+/-0.240 χ^2/NDF: 2535.9/52

In: 2.494+/-0.122 χ^2/NDF:6872.6/46

Out: 2.745+/-0.120 χ^2/NDF:8959.0/53

All: 2.622+/-0.086 χ^2/NDF: 15833.7/100

reg_asym_sam_3748_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -79.005+/-0.336 χ^2/NDF: 1993.9/23

Left Out: -51.982+/-0.165 χ^2/NDF:20887.7/24

Right Out: -79.836+/-0.319 χ^2/NDF: 3235.2/28

Left In: -51.612+/-0.169 χ^2/NDF:17624.2/22

Left: -51.802+/-0.118 χ^2/NDF: 38514.3/47

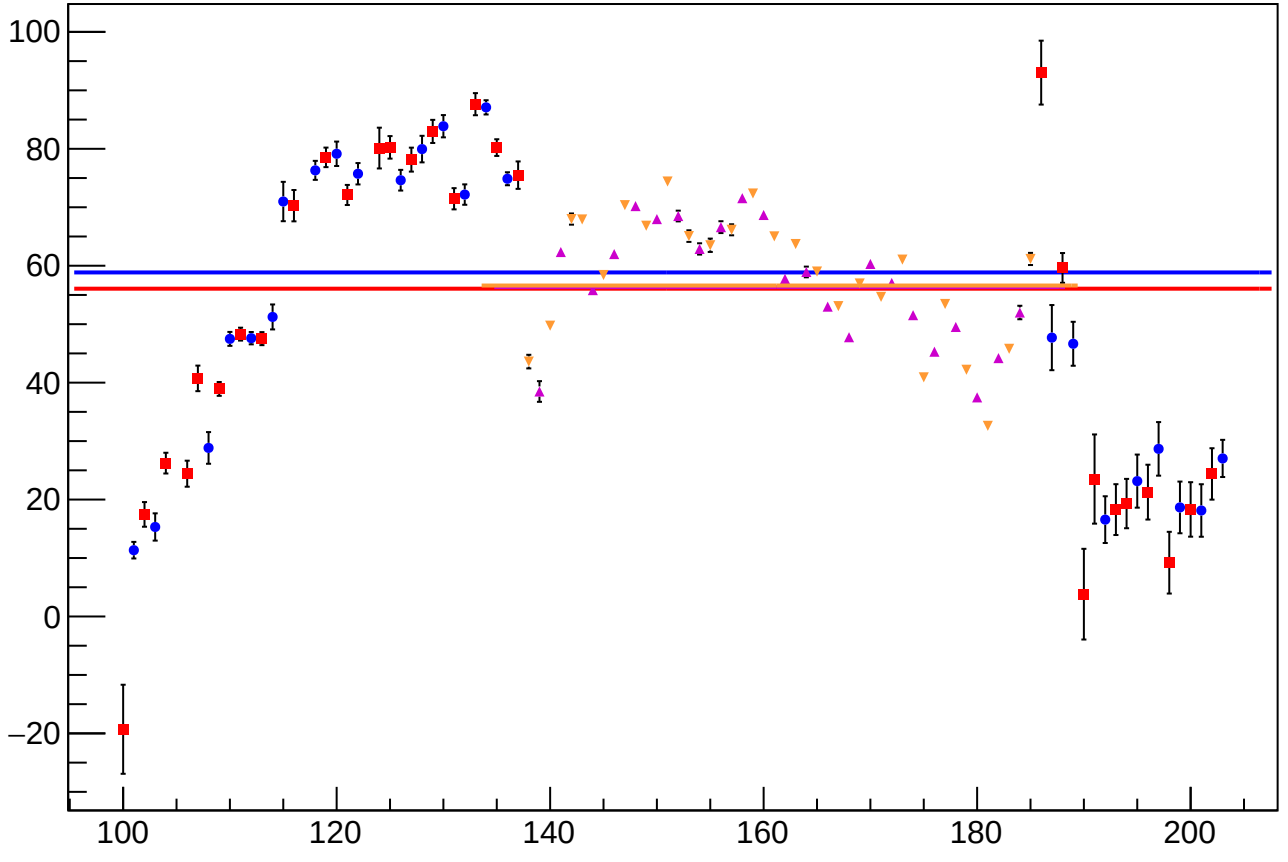
Right: -79.443+/-0.231 χ^2/NDF: 5232.3/52

In: -57.139+/-0.151 χ^2/NDF:24914.4/46

Out: -57.863+/-0.146 χ^2/NDF:30152.8/53

All: -57.512+/-0.105 χ^2/NDF: 55079.0/100

reg_asym_sam_3748_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 58.852+/-0.387 χ^2/NDF: 3758.3/23

Left Out: 56.612+/-0.144 χ^2/NDF:5666.2/24

Right Out: 56.072+/-0.385 χ^2/NDF: 3306.9/28

Left In: 56.348+/-0.147 χ^2/NDF:3968.7/22

Left: 56.483+/-0.103 χ^2/NDF: 9636.5/47

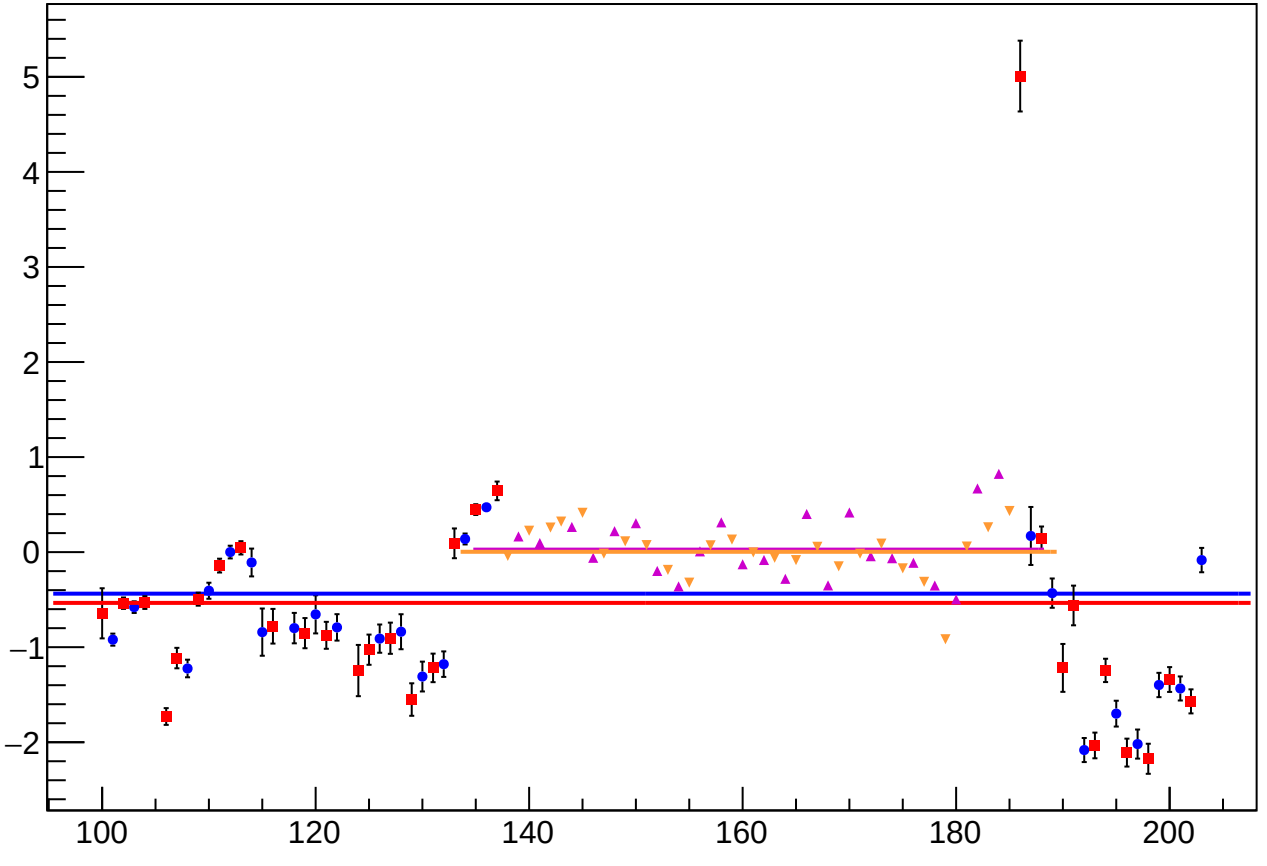
Right: 57.455+/-0.273 χ^2/NDF: 7091.2/52

In: 56.666+/-0.138 χ^2/NDF:7763.7/46

Out: 56.546+/-0.135 χ^2/NDF:8974.8/53

All: 56.604+/-0.096 χ^2/NDF: 16738.8/100

reg_asym_sam_3748_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.437+/-0.020 χ^2/NDF: 1272.2/23

Left Out: 0.004+/-0.006 χ^2/NDF:1701.0/24

Right Out: -0.534+/-0.020 χ^2/NDF: 1607.7/28

Left In: 0.026+/-0.007 χ^2/NDF:2349.0/22

Left: 0.015+/-0.005 χ^2/NDF: 4056.1/47

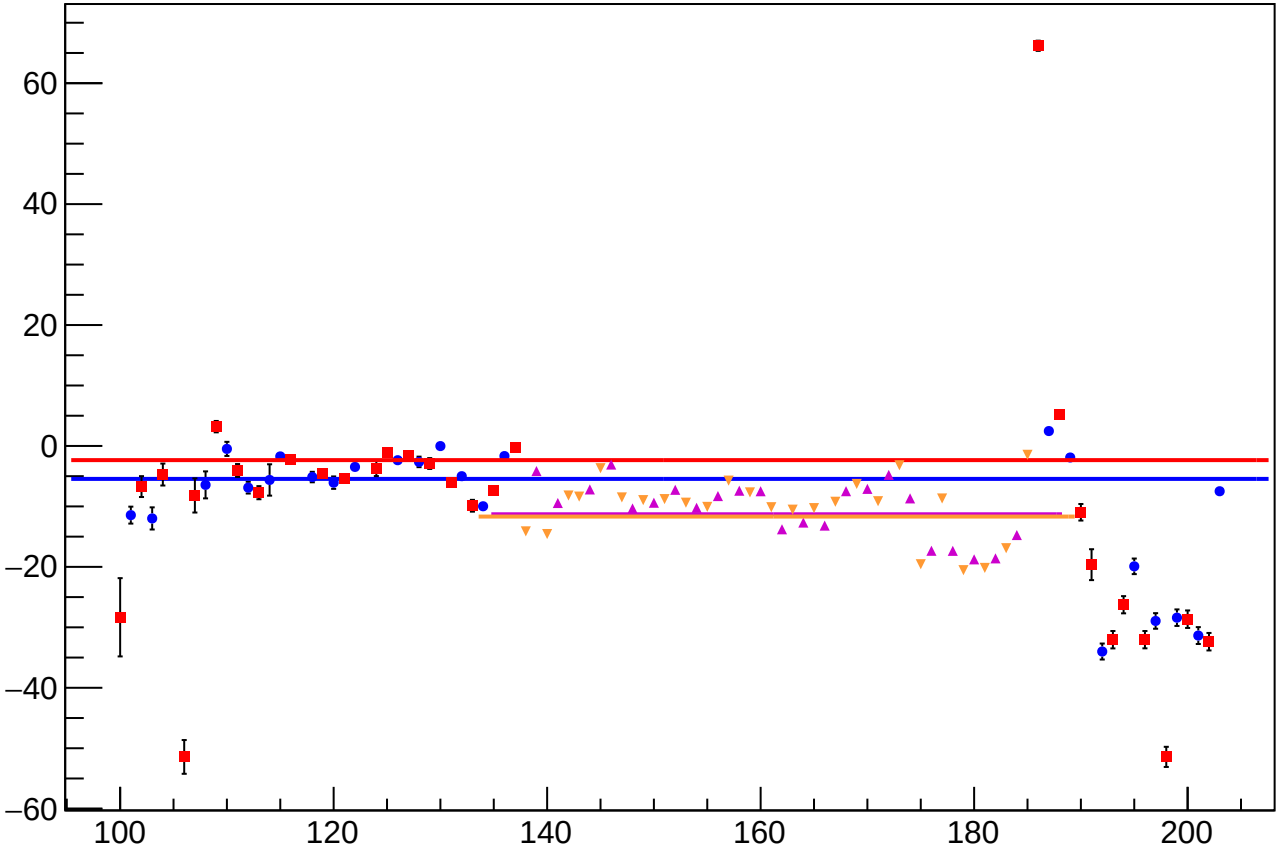
Right: -0.485+/-0.014 χ^2/NDF: 2891.8/52

In: -0.020+/-0.006 χ^2/NDF:4110.9/46

Out: -0.048+/-0.006 χ^2/NDF:3969.2/53

All: -0.034+/-0.004 χ^2/NDF: 8090.3/100

reg_asym_sam_1526_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -5.450+/-0.167 χ^2/NDF: 2004.3/23

Left Out: -11.680+/-0.053 χ^2/NDF:12602.3/24

Right Out: -2.343+/-0.168 χ^2/NDF: 10406.0/28

Left In: -11.301+/-0.054 χ^2/NDF:9229.2/22

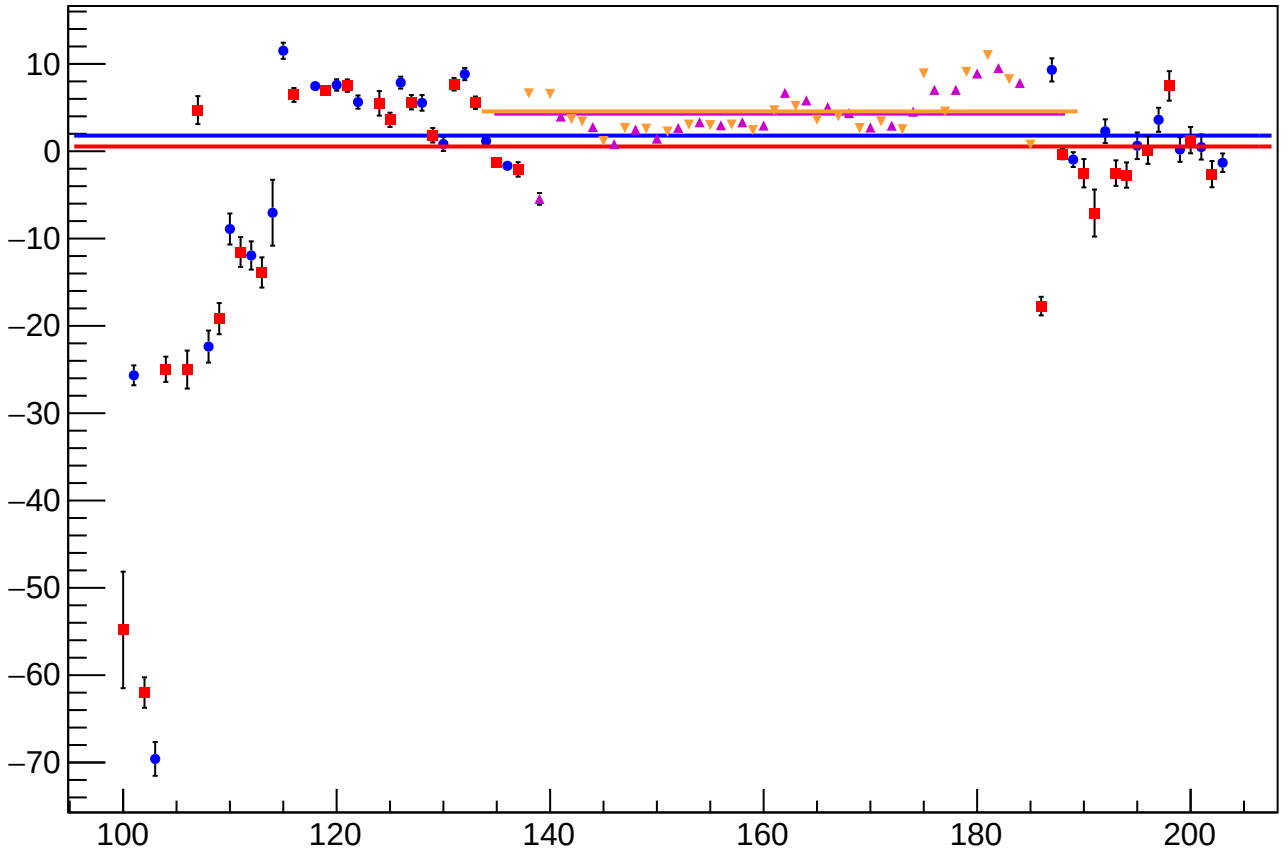
Left: -11.495+/-0.038 χ^2/NDF: 21856.8/47

Right: -3.907+/-0.118 χ^2/NDF: 12582.9/52

In: -10.745+/-0.051 χ^2/NDF:12349.5/46

Out: -10.843+/-0.050 χ^2/NDF:25827.8/53

All: -10.795+/-0.036 χ^2/NDF: 38179.1/100



Right In: 1.791+/-0.173 χ^2/NDF: 2894.2/23

Left Out: 4.564+/-0.041 χ^2/NDF:4356.3/24

Right Out: 0.545+/-0.183 χ^2/NDF: 2921.9/28

Left In: 4.308+/-0.042 χ^2/NDF:3609.0/22

Left: 4.438+/-0.030 χ^2/NDF: 7984.1/47

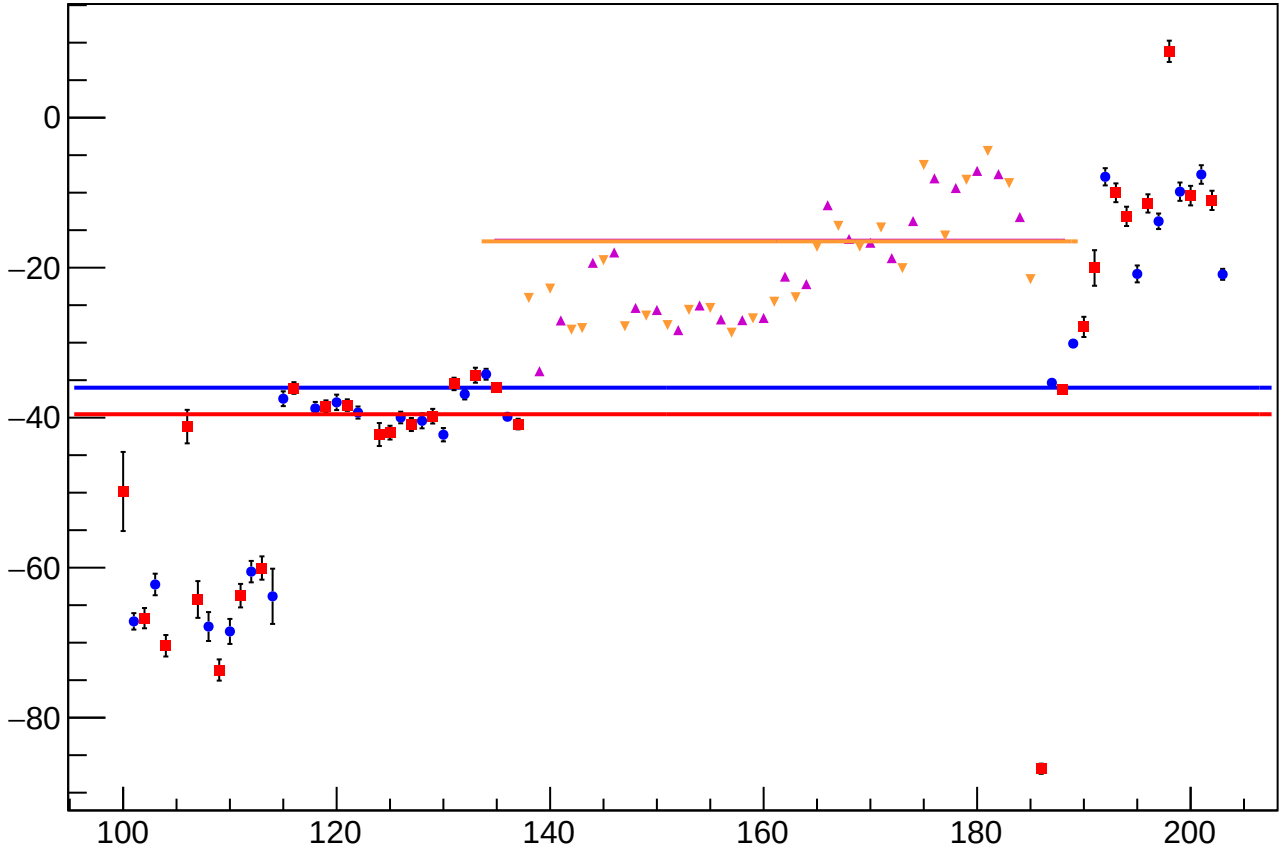
Right: 1.203+/-0.126 χ^2/NDF: 5840.6/52

In: 4.168+/-0.041 χ^2/NDF:6702.5/46

Out: 4.368+/-0.040 χ^2/NDF:7736.6/53

All: 4.270+/-0.029 χ^2/NDF: 14451.2/100

reg_asym_sam_1526_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -36.003+/-0.173 χ^2/NDF: 5131.6/23

Left Out: -16.492+/-0.053 χ^2/NDF:21982.6/24

Right Out: -39.543+/-0.171 χ^2/NDF: 10899.7/28

Left In: -16.403+/-0.054 χ^2/NDF:18032.3/22

Left: -16.448+/-0.038 χ^2/NDF: 40016.4/47

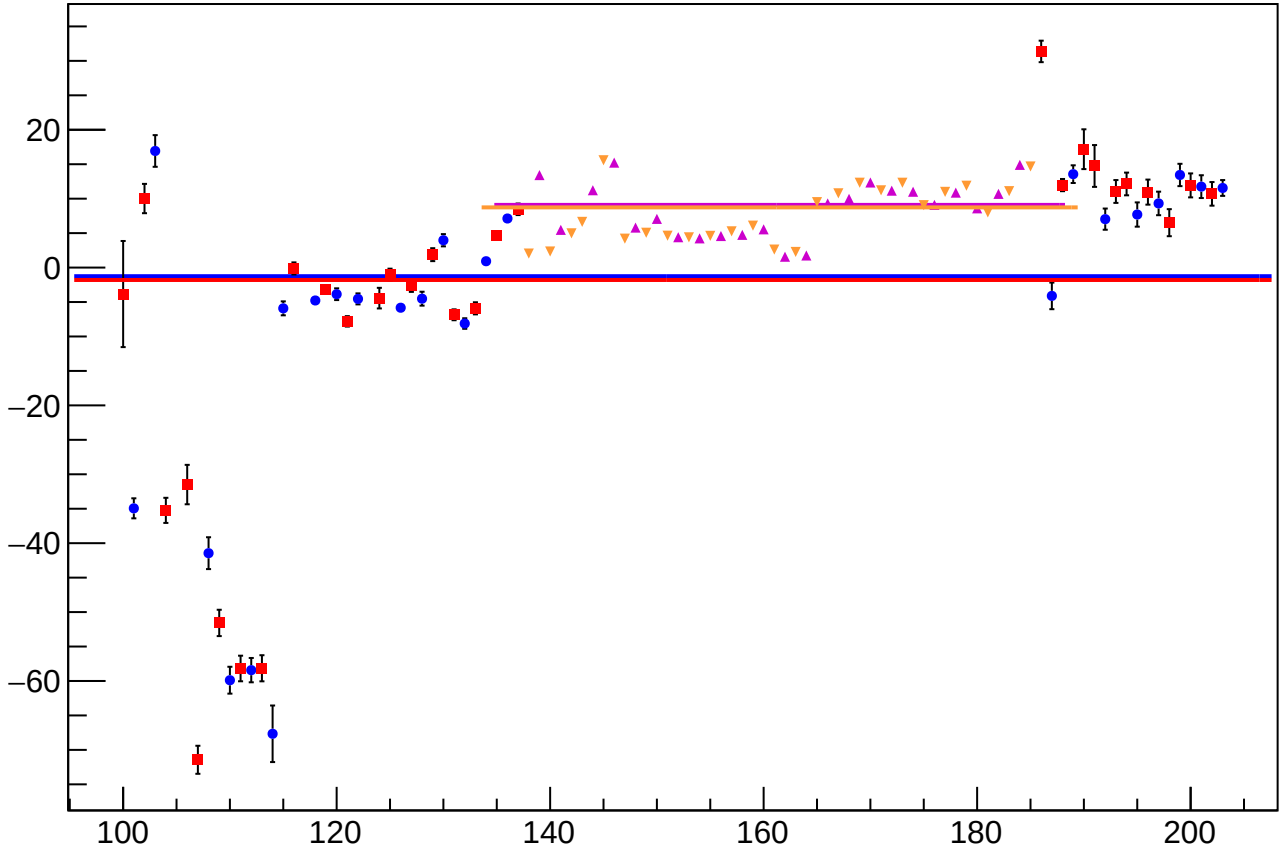
Right: -37.793+/-0.122 χ^2/NDF: 16243.2/52

In: -18.139+/-0.051 χ^2/NDF:34873.4/46

Out: -18.497+/-0.050 χ^2/NDF:49470.9/53

All: -18.322+/-0.036 χ^2/NDF: 84368.9/100

reg_asym_sam_1526_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -1.253+/-0.195 χ^2/NDF: 4287.0/23

Left Out: 8.735+/-0.046 χ^2/NDF:6875.5/24

Right Out: -1.800+/-0.211 χ^2/NDF: 5651.4/28

Left In: 9.096+/-0.047 χ^2/NDF:5739.5/22

Left: 8.912+/-0.033 χ^2/NDF: 12645.1/47

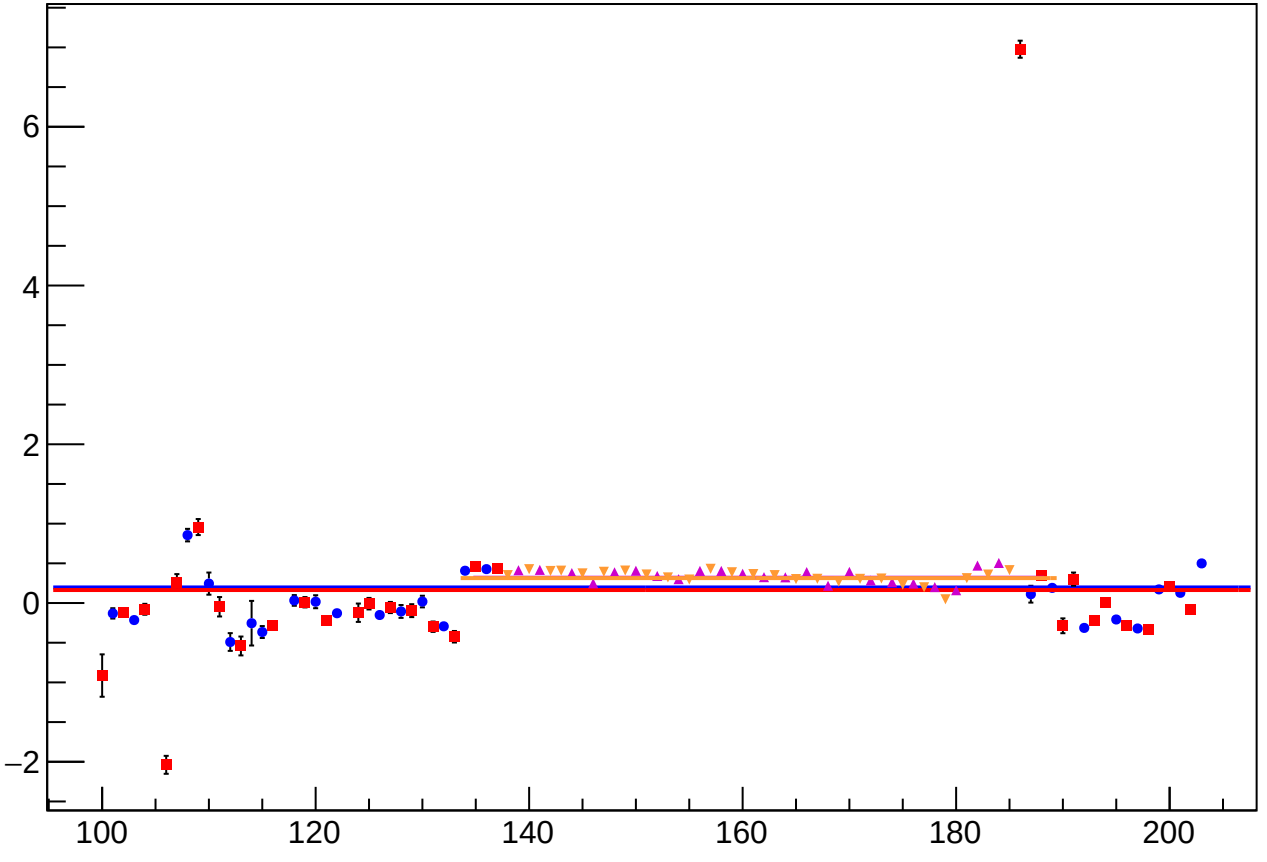
Right: -1.505+/-0.143 χ^2/NDF: 9942.0/52

In: 8.527+/-0.046 χ^2/NDF:12680.2/46

Out: 8.252+/-0.045 χ^2/NDF:14908.8/53

All: 8.388+/-0.032 χ^2/NDF: 27607.3/100

reg_asym_sam_1526_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.196+/-0.010 χ^2/NDF: 948.5/23

Left Out: 0.314+/-0.002 χ^2/NDF:1602.1/24

Right Out: 0.164+/-0.011 χ^2/NDF: 5302.8/28

Left In: 0.319+/-0.002 χ^2/NDF:1787.8/22

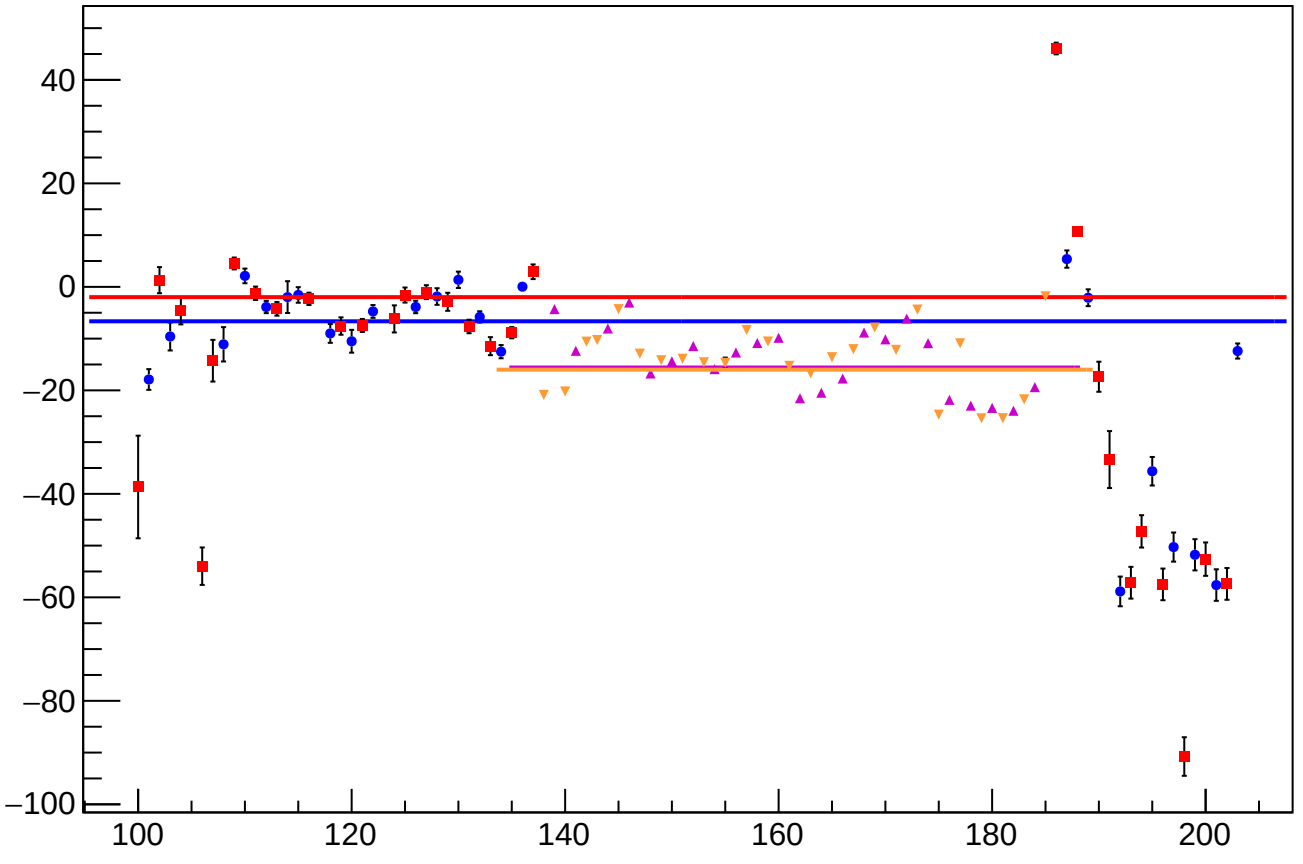
Left: 0.316+/-0.001 χ^2/NDF: 3392.4/47

Right: 0.181+/-0.007 χ^2/NDF: 6256.4/52

In: 0.313+/-0.002 χ^2/NDF:2886.6/46

Out: 0.309+/-0.002 χ^2/NDF:7095.2/53

All: 0.311+/-0.001 χ^2/NDF: 9984.3/100



Right In: -6.654+/-0.314 χ^2/NDF: 1512.0/23

Left Out: -16.000+/-0.099 χ^2/NDF:5962.8/24

Right Out: -1.983+/-0.307 χ^2/NDF: 4469.1/28

Left In: -15.582+/-0.102 χ^2/NDF:4759.9/22

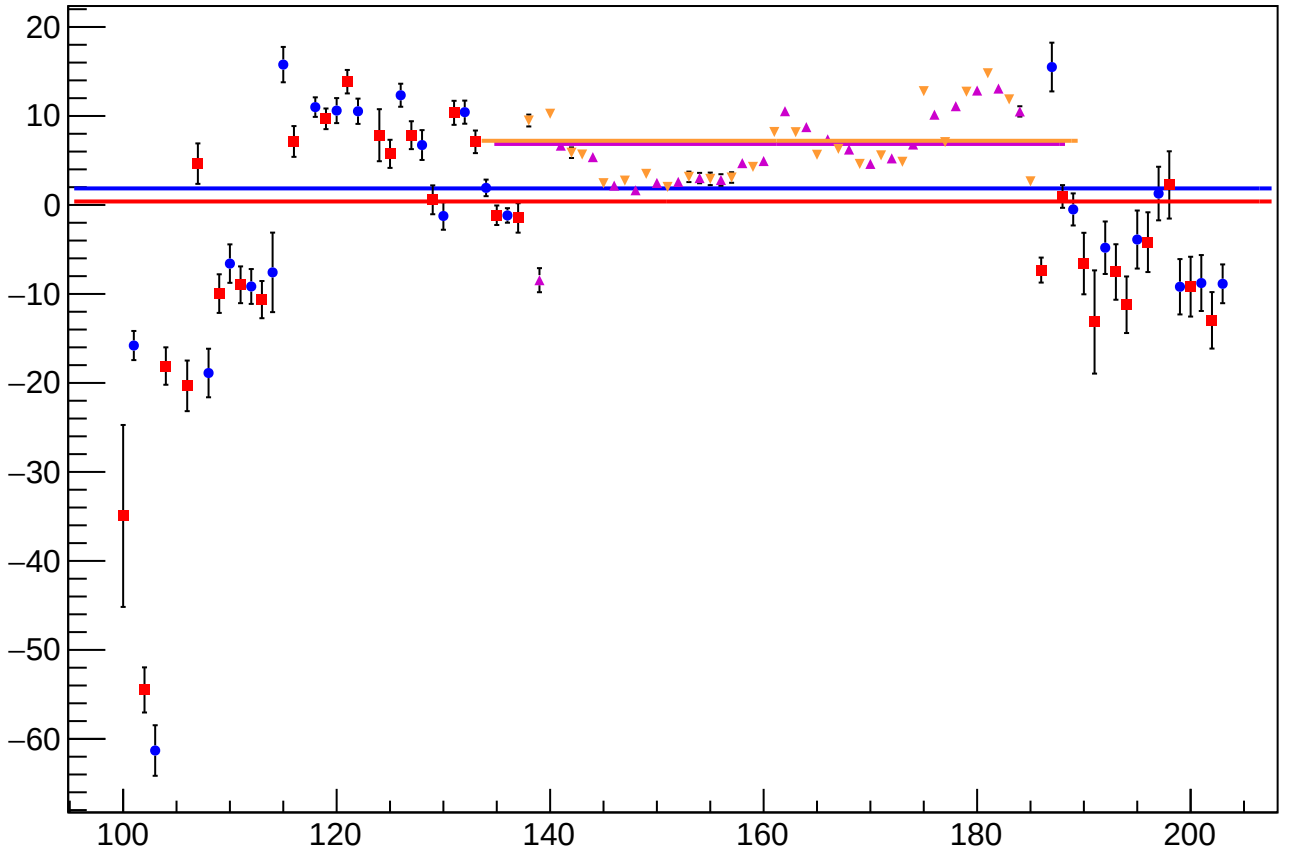
Left: -15.797+/-0.071 χ^2/NDF: 10731.3/47

Right: -4.269+/-0.220 χ^2/NDF: 6094.3/52

In: -14.729+/-0.097 χ^2/NDF:7004.0/46

Out: -14.673+/-0.095 χ^2/NDF:12316.2/53

All: -14.700+/-0.068 χ^2/NDF: 19320.3/100



Right In: 1.860+/-0.333 χ^2/NDF: 1132.7/23

Left Out: 7.212+/-0.080 χ^2/NDF:2455.9/24

Right Out: 0.392+/-0.343 χ^2/NDF: 1082.7/28

Left In: 6.856+/-0.081 χ^2/NDF:2156.4/22

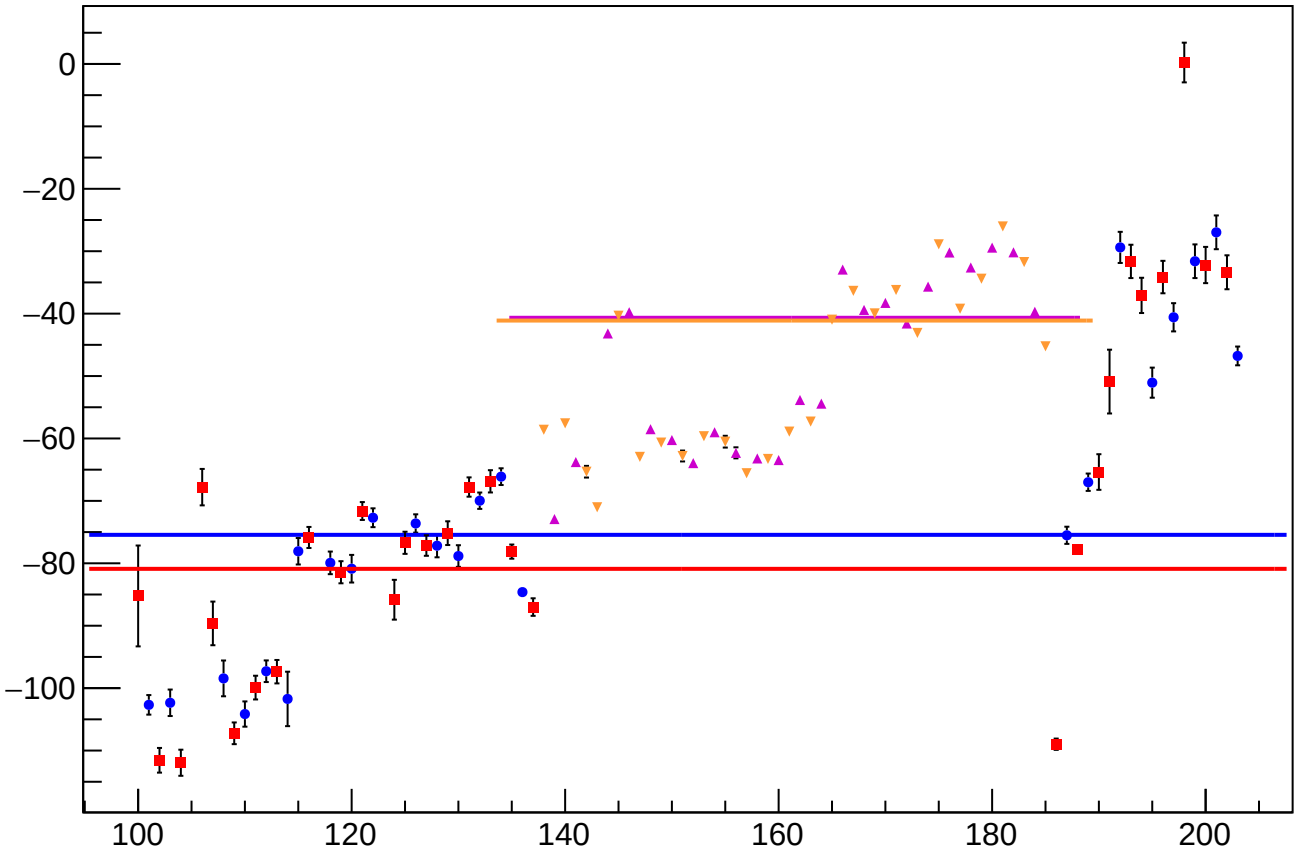
Left: 7.036+/-0.057 χ^2/NDF: 4622.1/47

Right: 1.149+/-0.239 χ^2/NDF: 2224.7/52

In: 6.576+/-0.079 χ^2/NDF:3501.8/46

Out: 6.860+/-0.078 χ^2/NDF:3913.2/53

All: 6.719+/-0.055 χ^2/NDF: 7421.5/100



Right In: -75.441+/-0.332 χ^2/NDF: 2846.7/23

Left Out: -41.111+/-0.100 χ^2/NDF:16000.8/24

Right Out: -80.888+/-0.319 χ^2/NDF: 4314.0/28

Left In: -40.665+/-0.102 χ^2/NDF:13541.3/22

Left: -40.893+/-0.071 χ^2/NDF: 29551.8/47

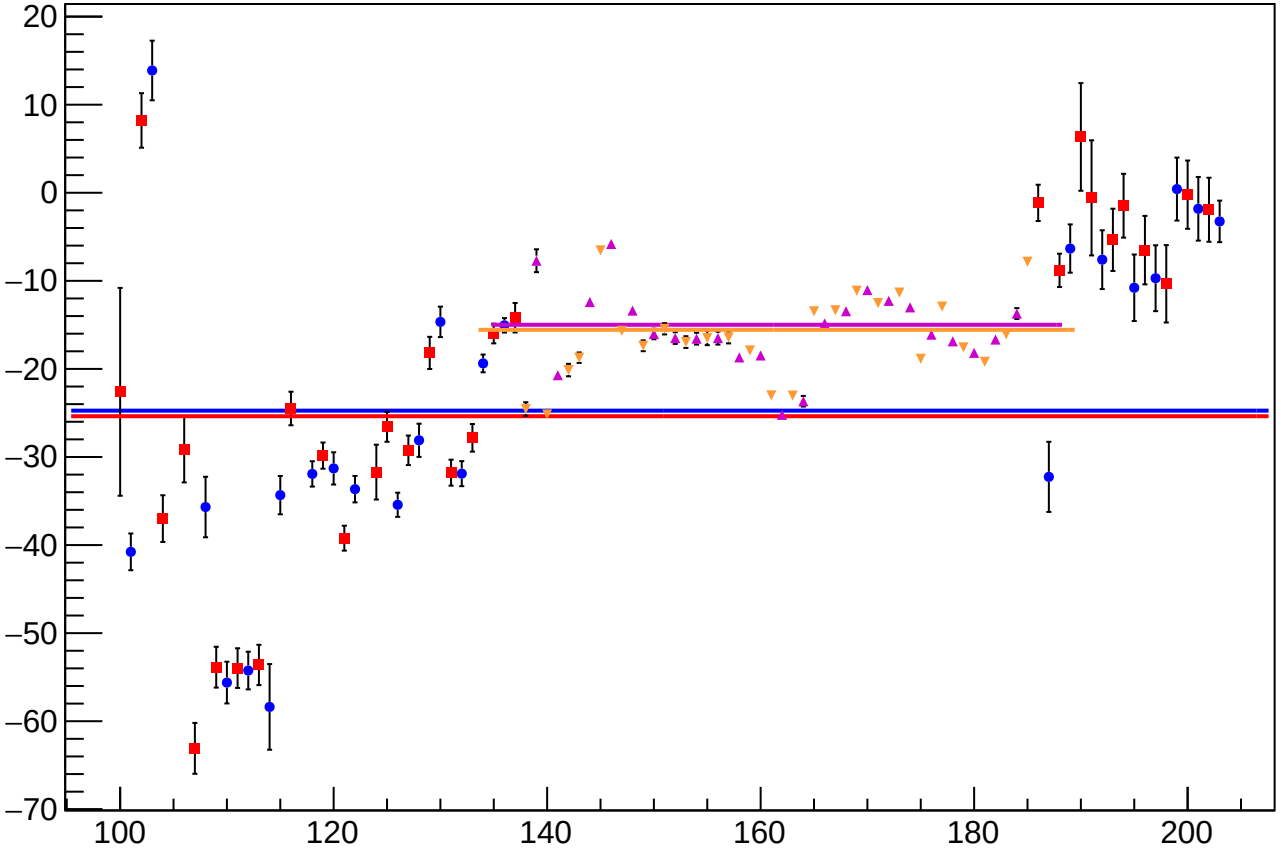
Right: -78.277+/-0.230 χ^2/NDF: 7300.7/52

In: -43.673+/-0.098 χ^2/NDF:26399.9/46

Out: -44.676+/-0.095 χ^2/NDF:34494.8/53

All: -44.186+/-0.068 χ^2/NDF: 60948.6/100

reg_asym_sam_3726_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -24.738+/-0.374 χ^2/NDF: 1268.1/23

Left Out: -15.562+/-0.089 χ^2/NDF:2549.5/24

Right Out: -25.373+/-0.396 χ^2/NDF: 1491.2/28

Left In: -14.990+/-0.090 χ^2/NDF:2150.9/22

Left: -15.281+/-0.063 χ^2/NDF: 4720.8/47

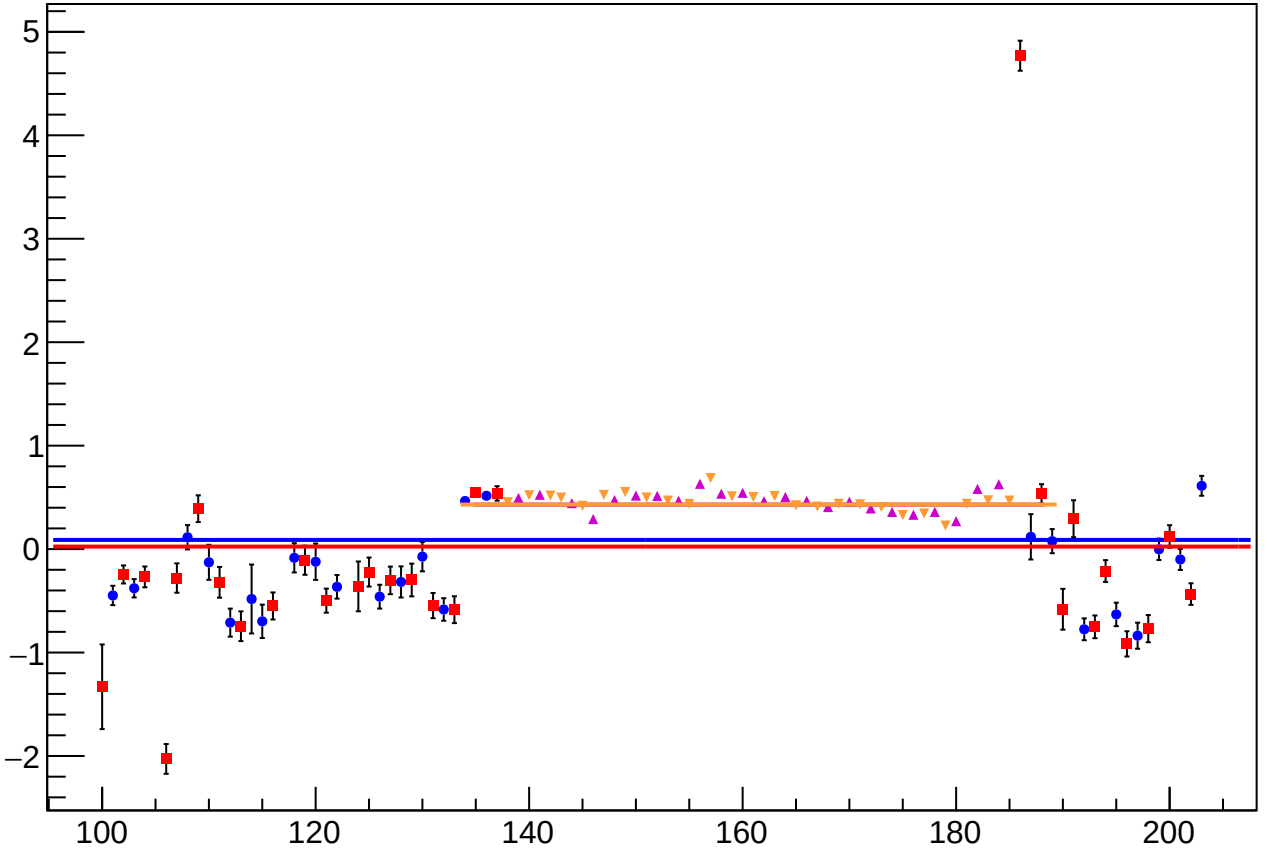
Right: -25.037+/-0.272 χ^2/NDF: 2760.6/52

In: -15.527+/-0.088 χ^2/NDF:4061.1/46

Out: -16.032+/-0.087 χ^2/NDF:4623.9/53

All: -15.782+/-0.062 χ^2/NDF: 8701.8/100

reg_asym_sam_3726_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.089+/-0.019 χ^2/NDF: 629.5/23

Left Out: 0.431+/-0.004 χ^2/NDF:418.4/24

Right Out: 0.024+/-0.021 χ^2/NDF: 1853.8/28

Left In: 0.430+/-0.004 χ^2/NDF:583.6/22

Left: 0.430+/-0.003 χ^2/NDF: 1002.0/47

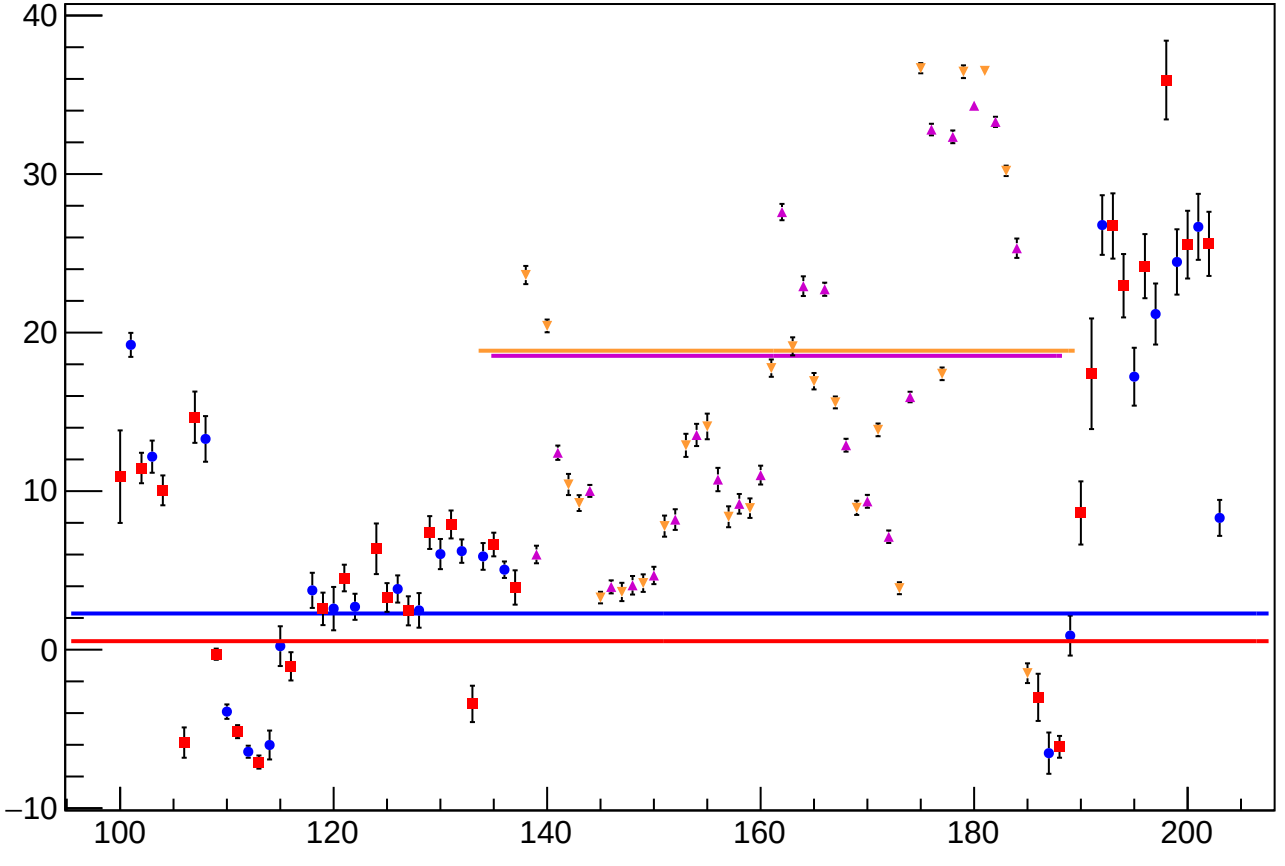
Right: 0.059+/-0.014 χ^2/NDF: 2488.6/52

In: 0.415+/-0.004 χ^2/NDF:1525.8/46

Out: 0.416+/-0.004 χ^2/NDF:2649.8/53

All: 0.416+/-0.003 χ^2/NDF: 4175.6/100

reg_asym_sam_15_48_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 2.282+/-0.174 χ^2/NDF: 2205.9/23

Left Out: 18.858+/-0.090 χ^2/NDF:18374.1/24

Right Out: 0.537+/-0.158 χ^2/NDF: 2218.8/28

Left In: 18.535+/-0.093 χ^2/NDF:14066.0/22

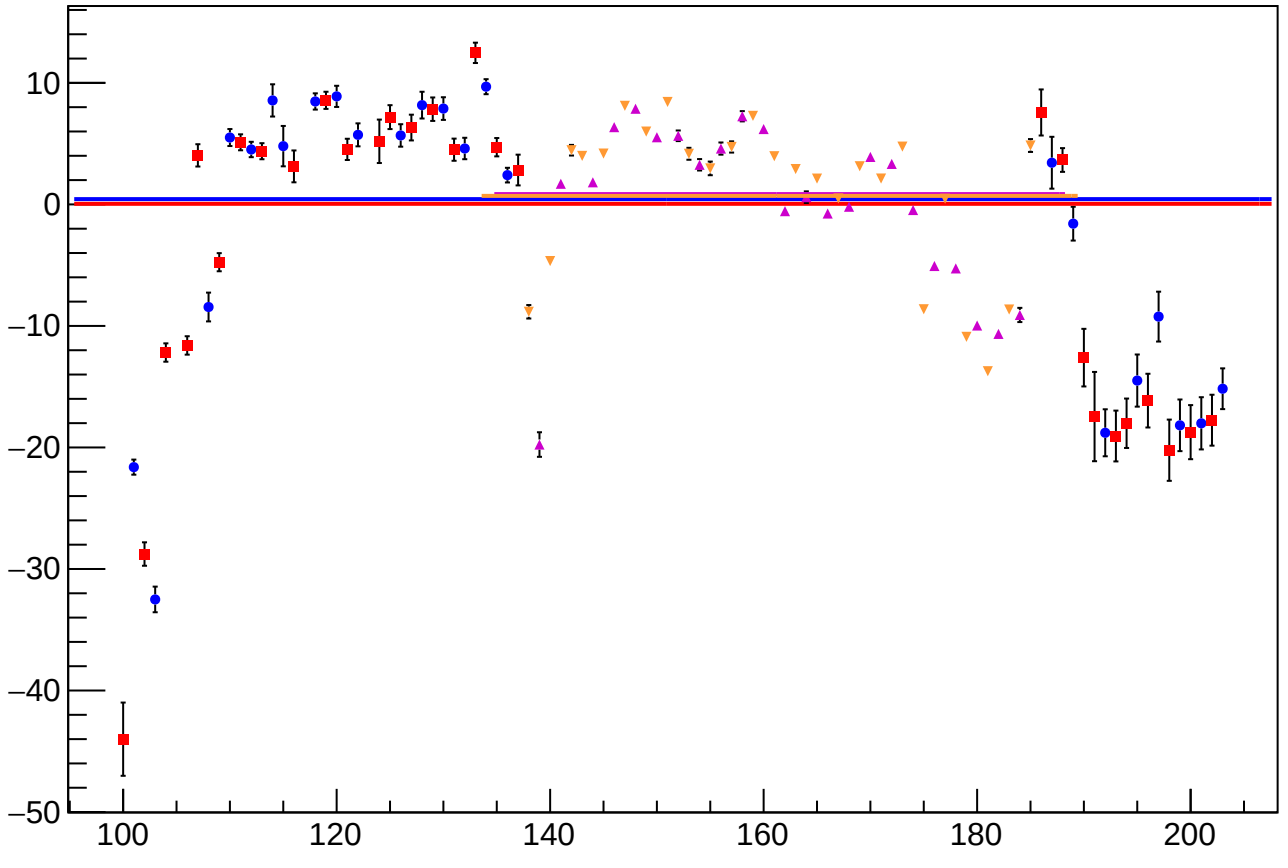
Left: 18.701+/-0.065 χ^2/NDF: 32446.3/47

Right: 1.328+/-0.117 χ^2/NDF: 4479.9/52

In: 14.900+/-0.082 χ^2/NDF:23068.7/46

Out: 14.349+/-0.078 χ^2/NDF:30699.9/53

All: 14.612+/-0.057 χ^2/NDF: 53792.1/100



Right In: 0.435+/-0.195 χ^2/NDF: 3516.3/23

Left Out: 0.702+/-0.071 χ^2/NDF:8237.8/24

Right Out: 0.048+/-0.191 χ^2/NDF: 2899.7/28

Left In: 0.847+/-0.072 χ^2/NDF:6045.4/22

Left: 0.773+/-0.051 χ^2/NDF: 14285.2/47

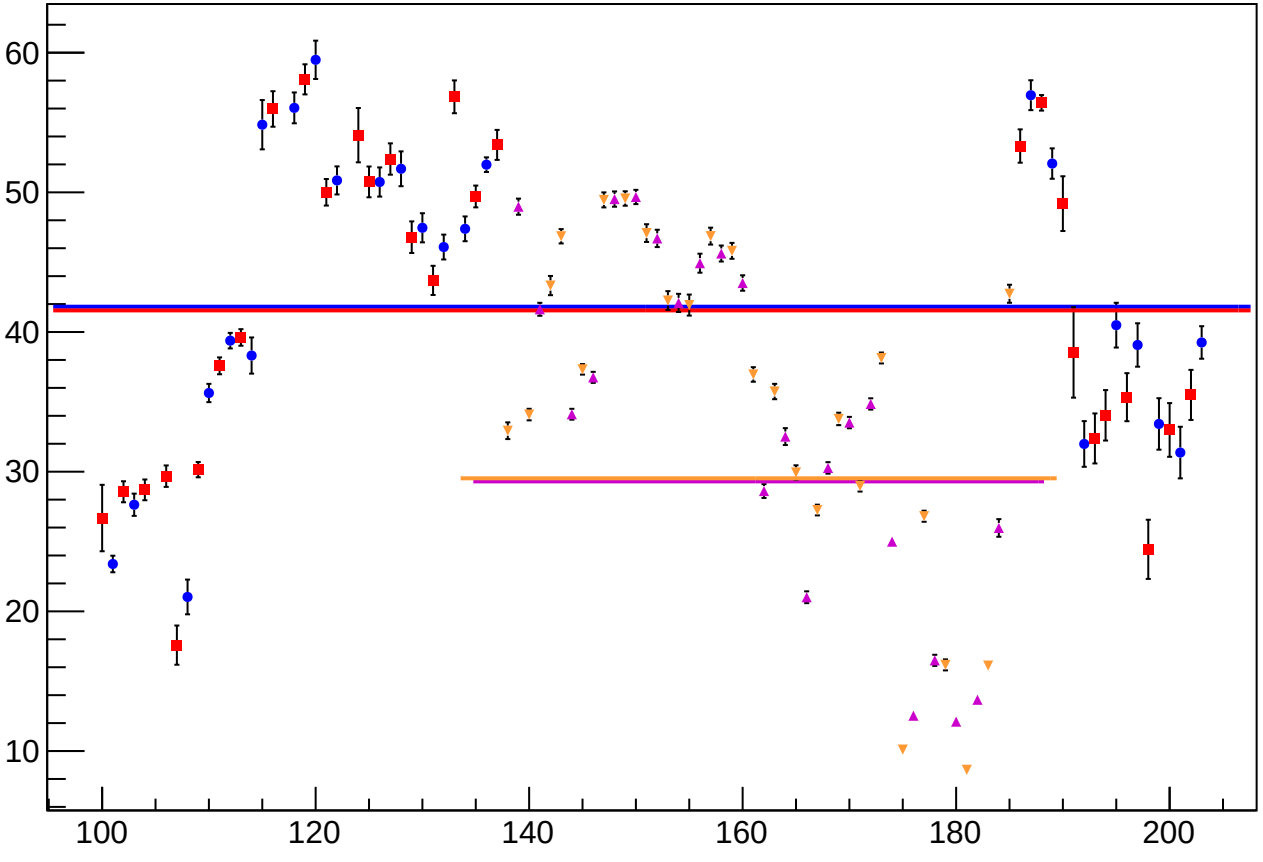
Right: 0.238+/-0.136 χ^2/NDF: 6418.0/52

In: 0.797+/-0.068 χ^2/NDF:9565.6/46

Out: 0.624+/-0.066 χ^2/NDF:11147.8/53

All: 0.708+/-0.047 χ^2/NDF: 20716.7/100

reg_asym_sam_15_48_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 41.812+/-0.193 χ^2/NDF: 3136.0/23

Left Out: 29.526+/-0.091 χ^2/NDF:21083.7/24

Right Out: 41.548+/-0.181 χ^2/NDF: 3711.3/28

Left In: 29.306+/-0.093 χ^2/NDF:17870.3/22

Left: 29.419+/-0.065 χ^2/NDF: 38956.9/47

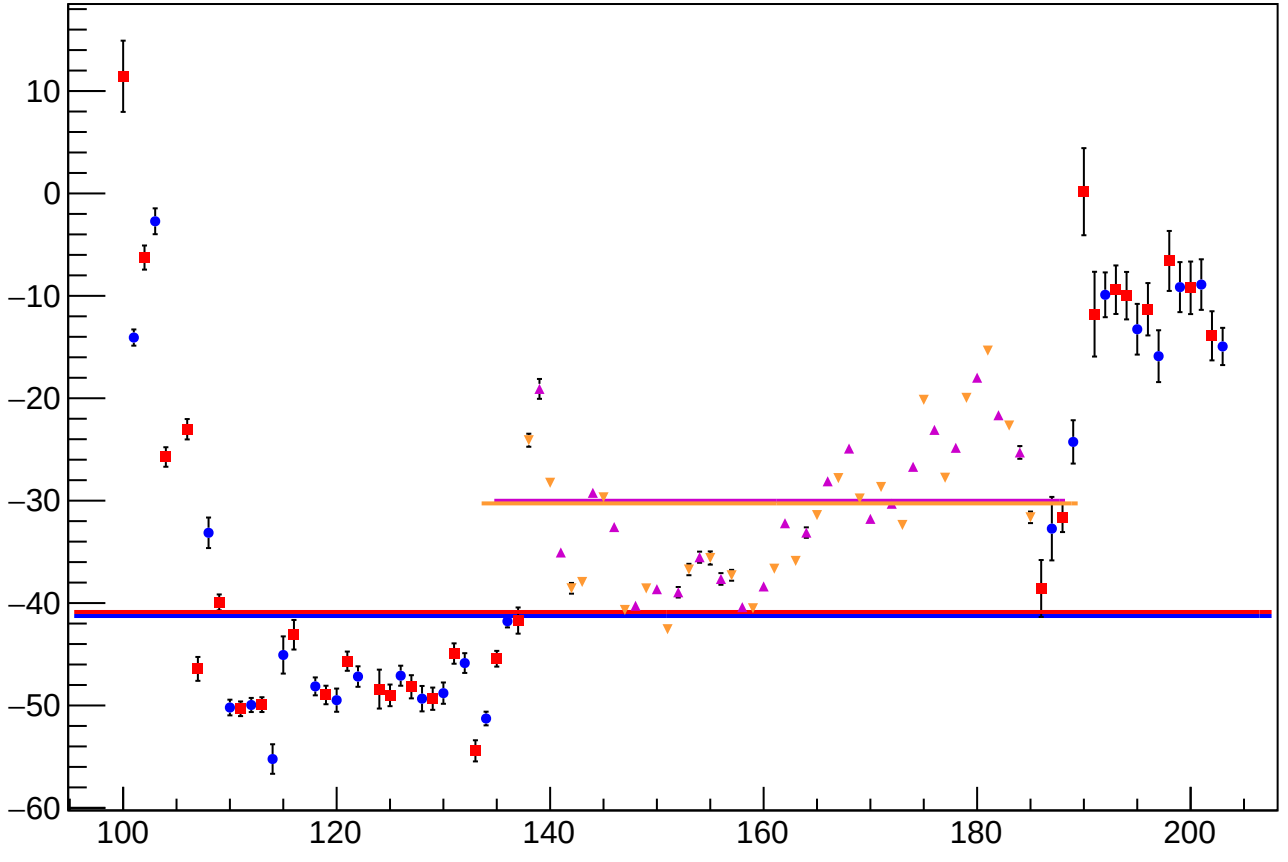
Right: 41.671+/-0.132 χ^2/NDF: 6848.3/52

In: 31.660+/-0.084 χ^2/NDF:24403.5/46

Out: 31.923+/-0.081 χ^2/NDF:28307.1/53

All: 31.796+/-0.058 χ^2/NDF: 52715.7/100

reg_asym_sam_15_48_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -41.264+/-0.221 χ^2/NDF: 4123.3/23

Left Out: -30.268+/-0.079 χ^2/NDF:8500.0/24

Right Out: -40.870+/-0.220 χ^2/NDF: 3617.7/28

Left In: -30.012+/-0.081 χ^2/NDF:6083.1/22

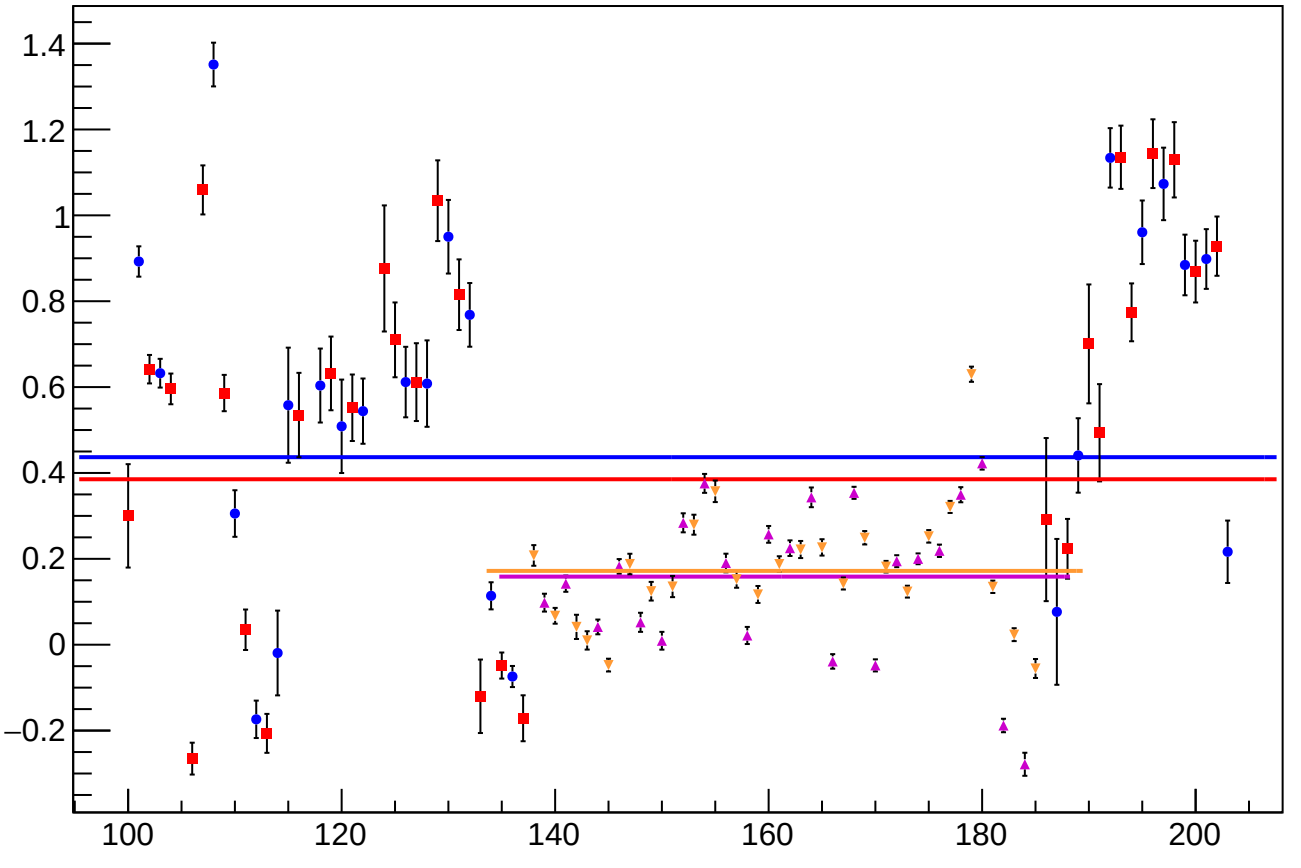
Left: -30.143+/-0.057 χ^2/NDF: 14588.2/47

Right: -41.066+/-0.156 χ^2/NDF: 7742.6/52

In: -31.355+/-0.076 χ^2/NDF:12492.8/46

Out: -31.490+/-0.075 χ^2/NDF:14181.0/53

All: -31.424+/-0.053 χ^2/NDF: 26675.3/100



Right In: 0.437+/-0.011 χ^2/NDF: 1658.8/23

Left Out: 0.172+/-0.004 χ^2/NDF:1501.3/24

Right Out: 0.385+/-0.011 χ^2/NDF: 1675.8/28

Left In: 0.159+/-0.004 χ^2/NDF:2187.4/22

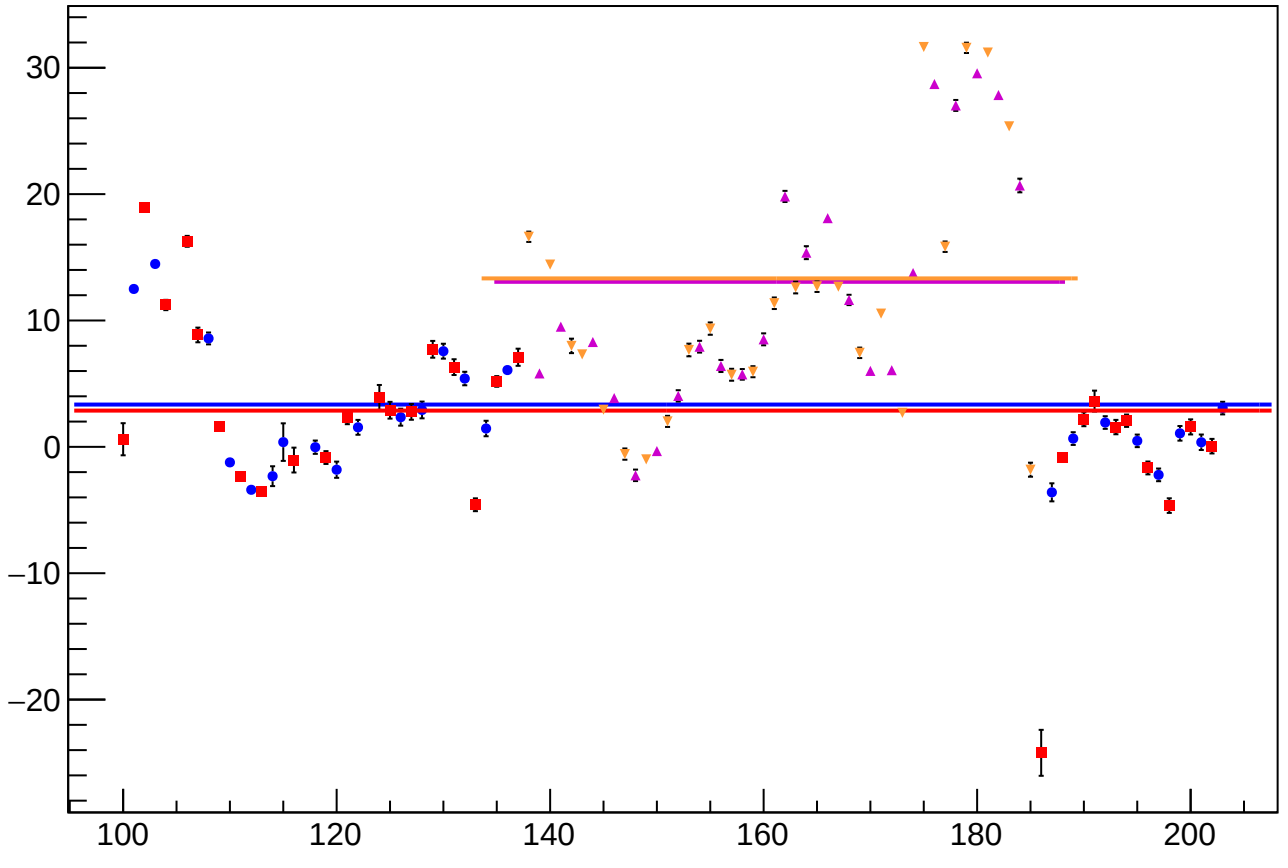
Left: 0.165+/-0.003 χ^2/NDF: 3695.7/47

Right: 0.411+/-0.008 χ^2/NDF: 3345.4/52

In: 0.185+/-0.003 χ^2/NDF:4407.1/46

Out: 0.192+/-0.003 χ^2/NDF:3518.6/53

All: 0.189+/-0.002 χ^2/NDF: 7927.8/100



Right In: 3.347+/-0.100 χ^2/NDF: 3035.6/23

Left Out: 13.331+/-0.077 χ^2/NDF:19432.7/24

Right Out: 2.869+/-0.090 χ^2/NDF: 5106.1/28

Left In: 13.061+/-0.079 χ^2/NDF:15559.8/22

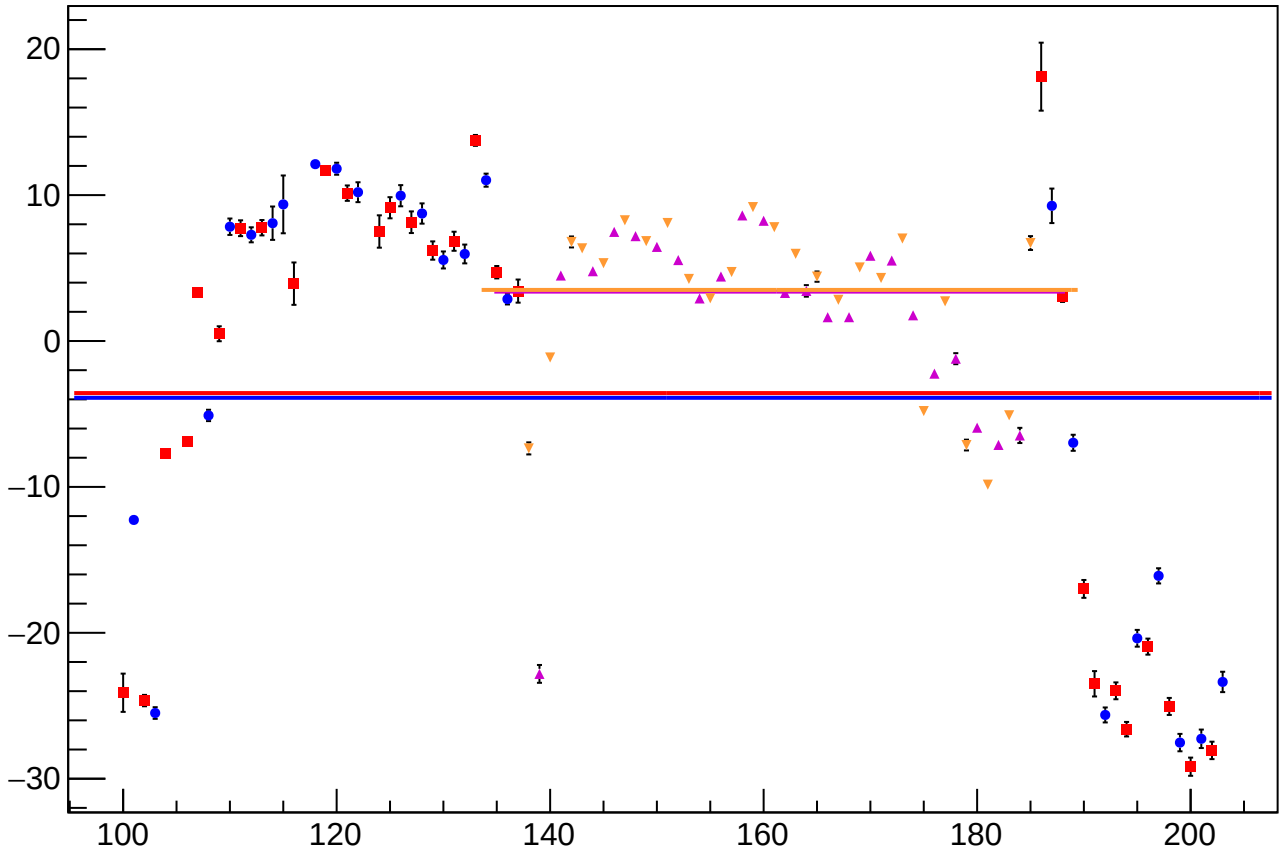
Left: 13.200+/-0.055 χ^2/NDF: 34998.5/47

Right: 3.083+/-0.067 χ^2/NDF: 8154.4/52

In: 9.294+/-0.062 χ^2/NDF:24411.8/46

Out: 8.913+/-0.058 χ^2/NDF:32381.4/53

All: 9.092+/-0.043 χ^2/NDF: 56813.2/100



Right In: -3.892+/-0.102 χ^2/NDF: 19062.5/23

Left Out: 3.502+/-0.059 χ^2/NDF:7911.7/24

Right Out: -3.569+/-0.095 χ^2/NDF: 21956.7/28

Left In: 3.385+/-0.061 χ^2/NDF:6707.6/22

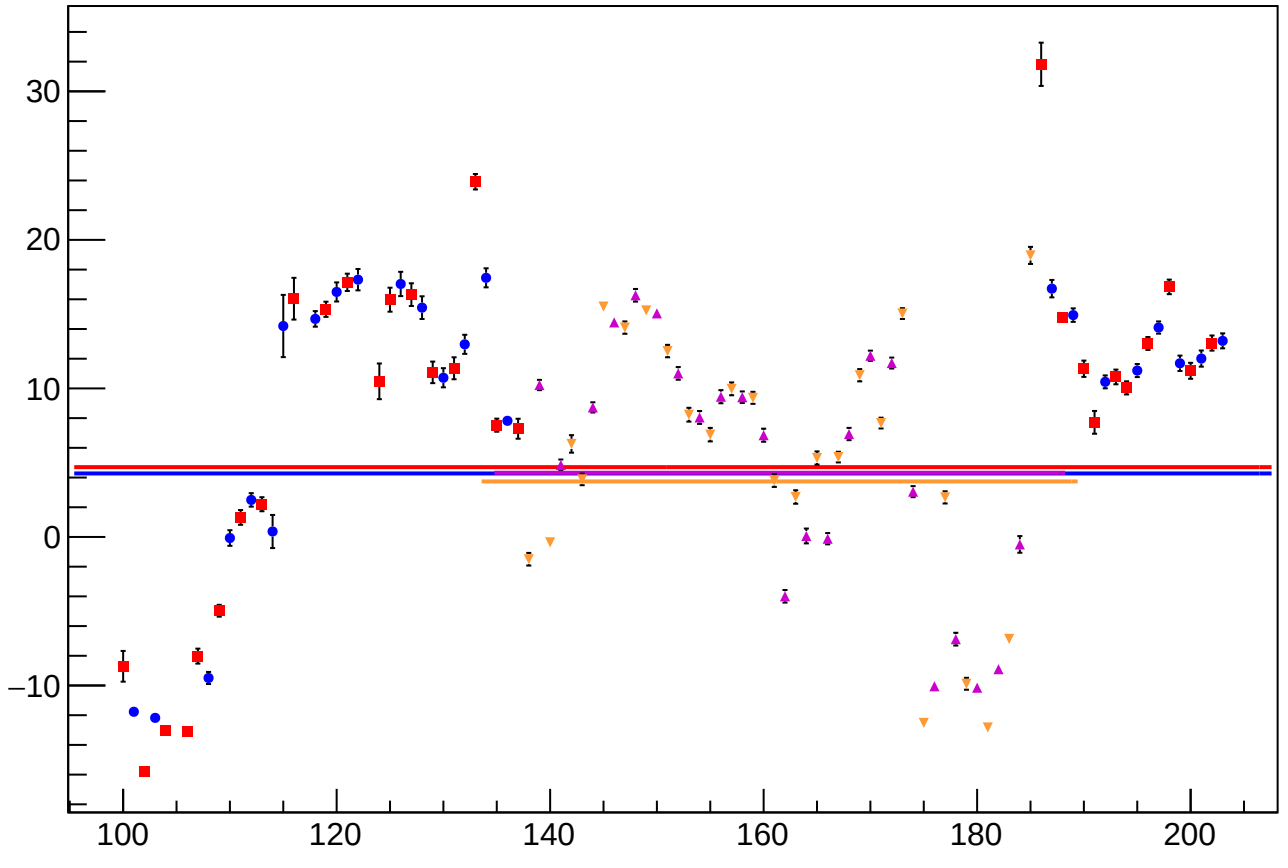
Left: 3.446+/-0.042 χ^2/NDF: 14621.2/47

Right: -3.719+/-0.069 χ^2/NDF: 41024.6/52

In: 1.465+/-0.052 χ^2/NDF:29524.1/46

Out: 1.554+/-0.050 χ^2/NDF:33885.0/53

All: 1.512+/-0.036 χ^2/NDF: 63410.7/100



Right In: 4.275+/-0.097 χ^2/NDF: 13317.0/23

Left Out: 3.738+/-0.076 χ^2/NDF:15586.7/24

Right Out: 4.700+/-0.088 χ^2/NDF: 19547.0/28

Left In: 4.322+/-0.079 χ^2/NDF:12483.3/22

Left: 4.022+/-0.055 χ^2/NDF: 28098.5/47

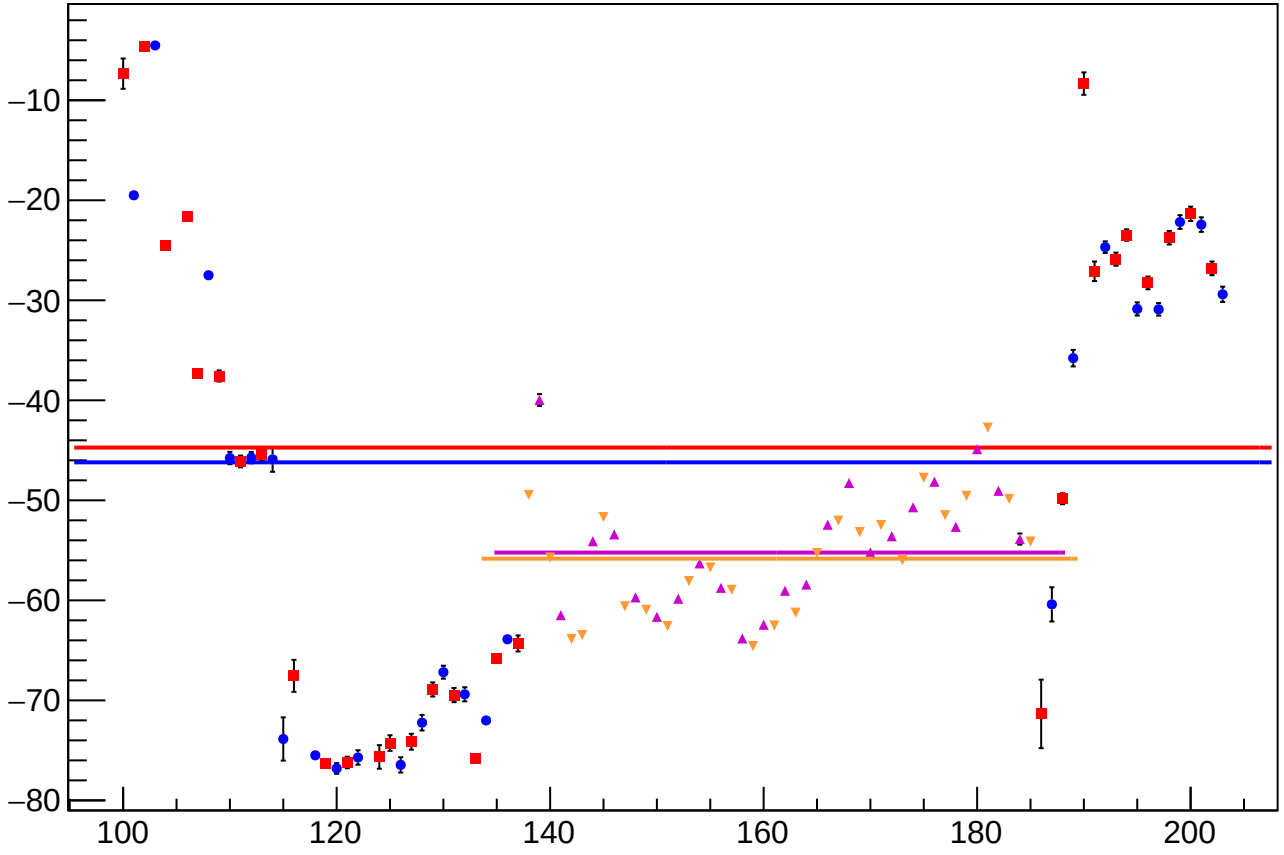
Right: 4.510+/-0.065 χ^2/NDF: 32874.4/52

In: 4.304+/-0.061 χ^2/NDF:25800.4/46

Out: 4.153+/-0.058 χ^2/NDF:35202.0/53

All: 4.224+/-0.042 χ^2/NDF: 61005.7/100

reg_asym_sam_37_48_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -46.203+/-0.120 χ^2/NDF: 40666.9/23

Left Out: -55.832+/-0.066 χ^2/NDF:7592.5/24

Right Out: -44.726+/-0.113 χ^2/NDF: 42637.6/28

Left In: -55.222+/-0.069 χ^2/NDF:6343.0/22

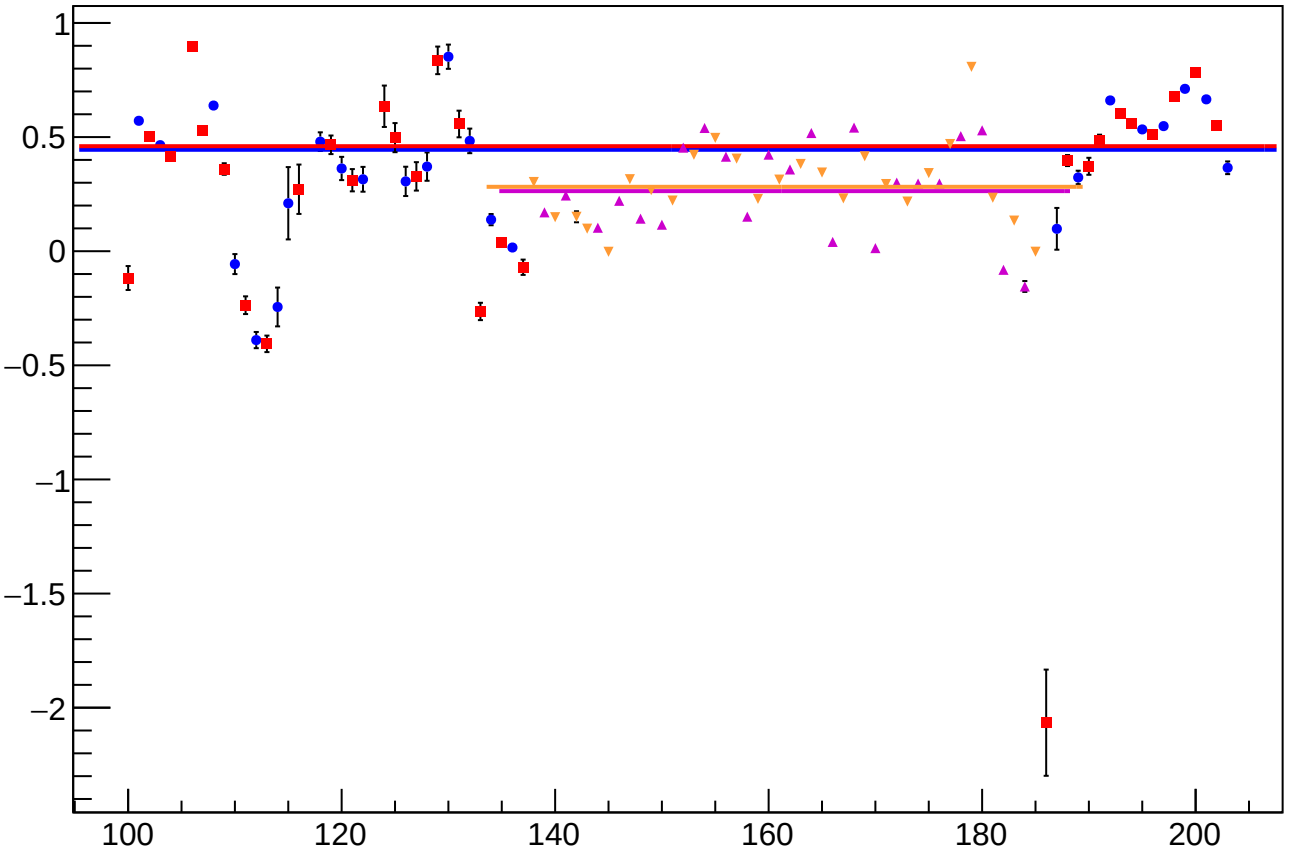
Left: -55.538+/-0.048 χ^2/NDF: 13976.2/47

Right: -45.422+/-0.082 χ^2/NDF: 83384.8/52

In: -52.991+/-0.060 χ^2/NDF:51272.9/46

Out: -52.994+/-0.057 χ^2/NDF:57390.8/53

All: -52.993+/-0.041 χ^2/NDF: 108663.7/100



Right In: 0.444+/-0.005 χ^2/NDF: 2555.4/23

Left Out: 0.282+/-0.003 χ^2/NDF:2712.4/24

Right Out: 0.460+/-0.005 χ^2/NDF: 3587.2/28

Left In: 0.263+/-0.003 χ^2/NDF:3835.8/22

Left: 0.273+/-0.002 χ^2/NDF: 6568.0/47

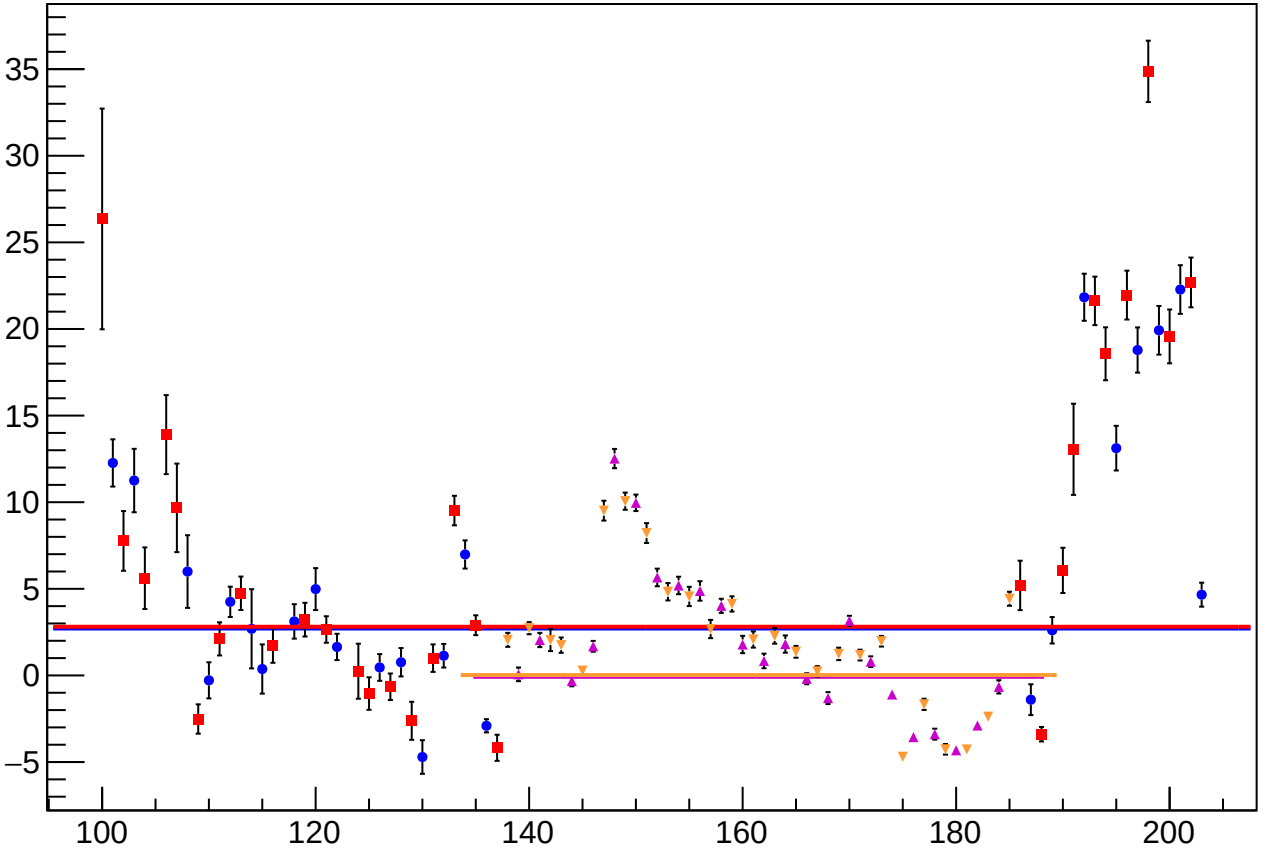
Right: 0.453+/-0.003 χ^2/NDF: 6147.9/52

In: 0.312+/-0.003 χ^2/NDF:7355.4/46

Out: 0.334+/-0.003 χ^2/NDF:7344.7/53

All: 0.324+/-0.002 χ^2/NDF: 14737.6/100

reg_asym_sam_15_26_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 2.710+/-0.183 χ^2/NDF: 1203.7/23

Left Out: 0.022+/-0.069 χ^2/NDF:2759.3/24

Right Out: 2.810+/-0.184 χ^2/NDF: 1667.5/28

Left In: -0.080+/-0.071 χ^2/NDF:2464.5/22

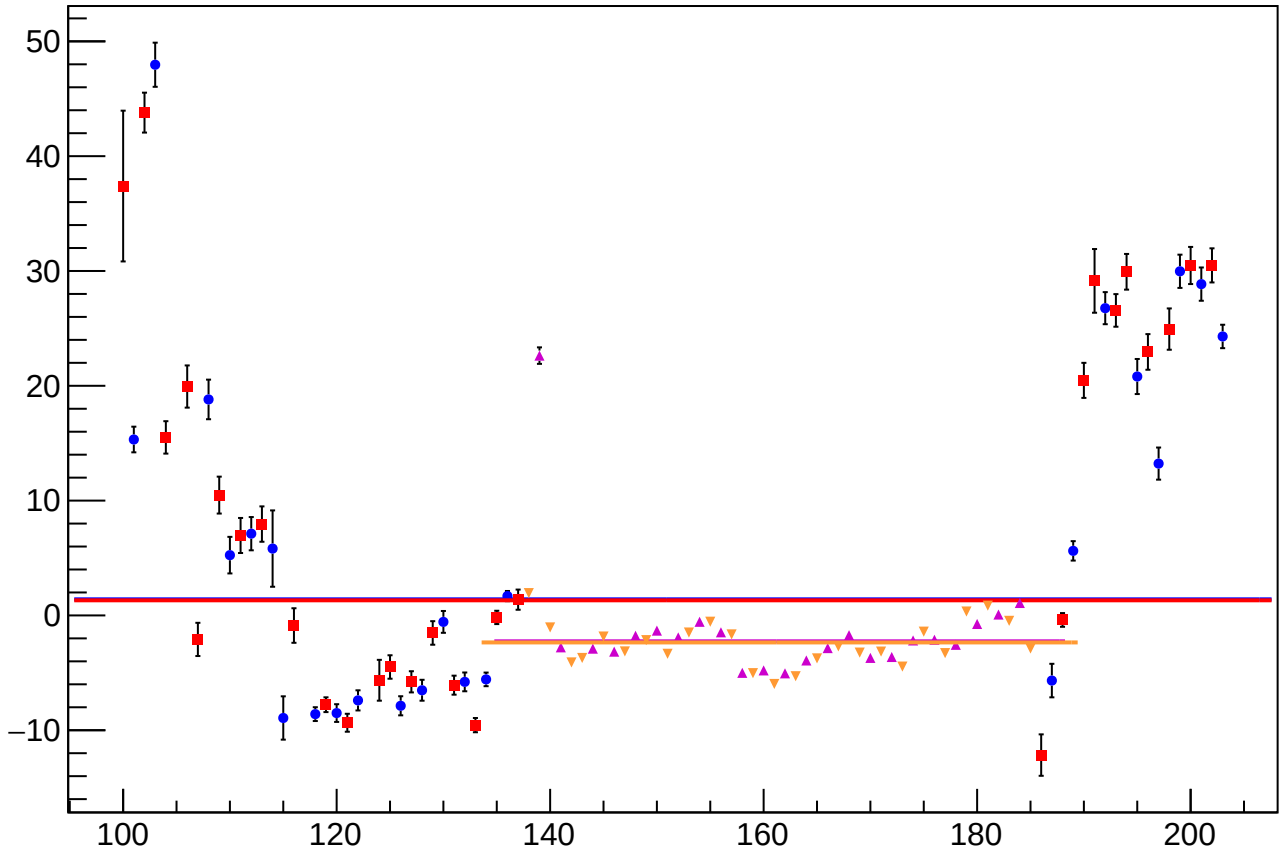
Left: -0.027+/-0.049 χ^2/NDF: 5224.9/47

Right: 2.760+/-0.129 χ^2/NDF: 2871.3/52

In: 0.284+/-0.066 χ^2/NDF:3871.1/46

Out: 0.363+/-0.064 χ^2/NDF:4629.4/53

All: 0.325+/-0.046 χ^2/NDF: 8501.2/100



Right In: 1.400+/-0.193 χ^2/NDF: 3722.3/23

Left Out: -2.352+/-0.055 χ^2/NDF:1125.6/24

Right Out: 1.316+/-0.199 χ^2/NDF: 3851.6/28

Left In: -2.257+/-0.056 χ^2/NDF:1877.2/22

Left: -2.306+/-0.039 χ^2/NDF: 3004.4/47

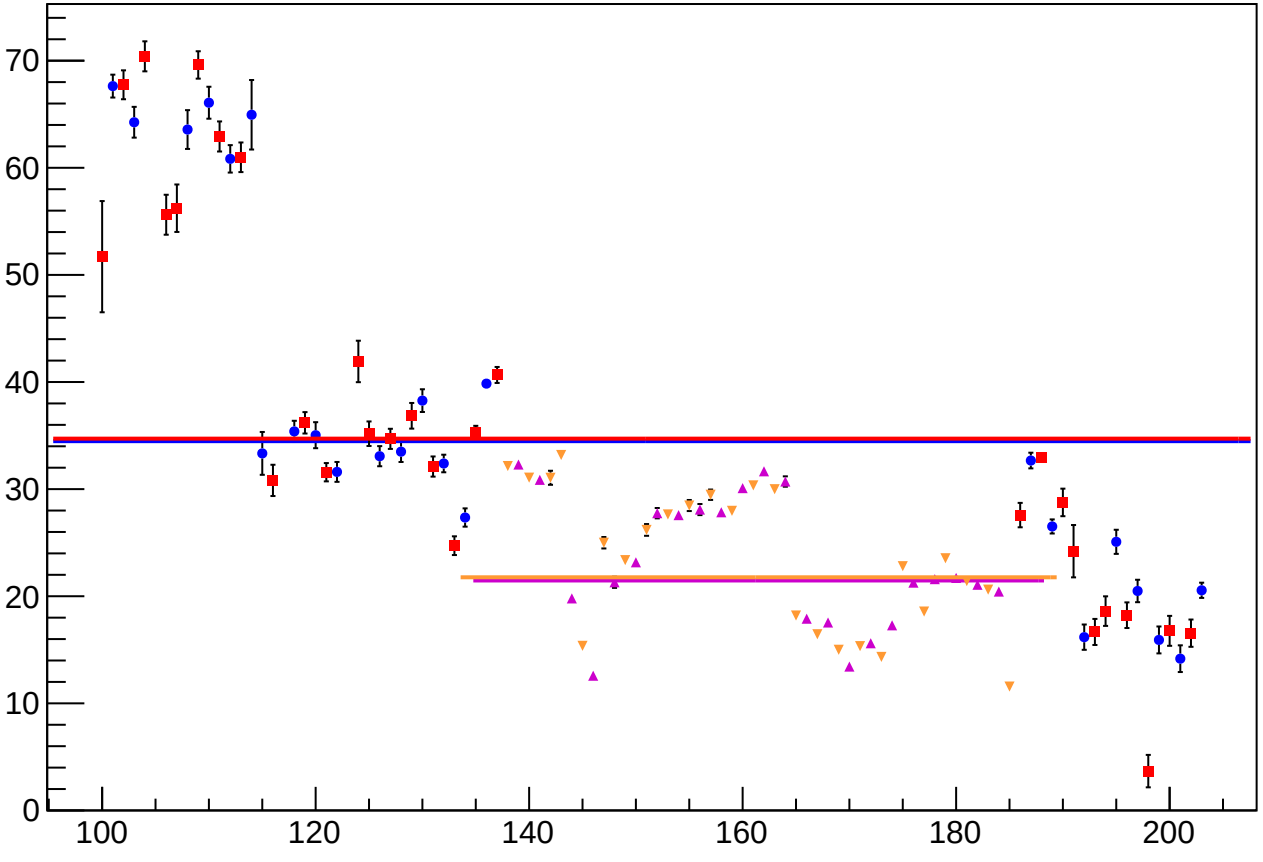
Right: 1.360+/-0.139 χ^2/NDF: 7574.0/52

In: -1.970+/-0.054 χ^2/NDF:5929.8/46

Out: -2.091+/-0.053 χ^2/NDF:5292.7/53

All: -2.032+/-0.038 χ^2/NDF: 11225.1/100

reg_asym_sam_15_26_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 34.478+/-0.187 χ^2/NDF: 4417.0/23

Left Out: 21.768+/-0.069 χ^2/NDF:6814.2/24

Right Out: 34.713+/-0.184 χ^2/NDF: 4669.9/28

Left In: 21.472+/-0.071 χ^2/NDF:5787.4/22

Left: 21.623+/-0.049 χ^2/NDF: 12610.6/47

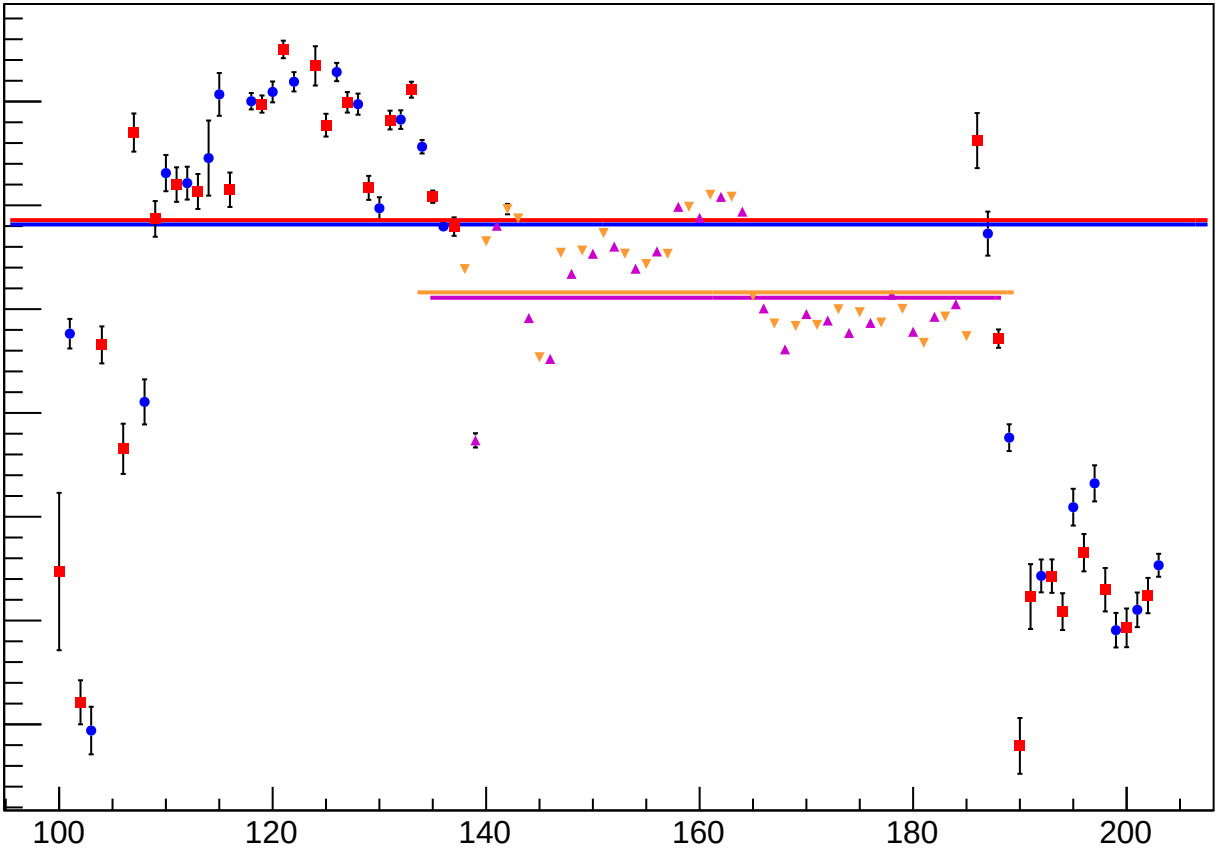
Right: 34.598+/-0.131 χ^2/NDF: 9087.6/52

In: 23.091+/-0.066 χ^2/NDF:14428.2/46

Out: 23.365+/-0.064 χ^2/NDF:15844.0/53

All: 23.232+/-0.046 χ^2/NDF: 30281.0/100

reg_asym_sam_15_26_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 48.157+/-0.219 χ^2/NDF: 4986.2/23

Left Out: 41.613+/-0.061 χ^2/NDF:5776.0/24

Right Out: 48.576+/-0.231 χ^2/NDF: 4963.7/28

Left In: 41.098+/-0.063 χ^2/NDF:5478.0/22

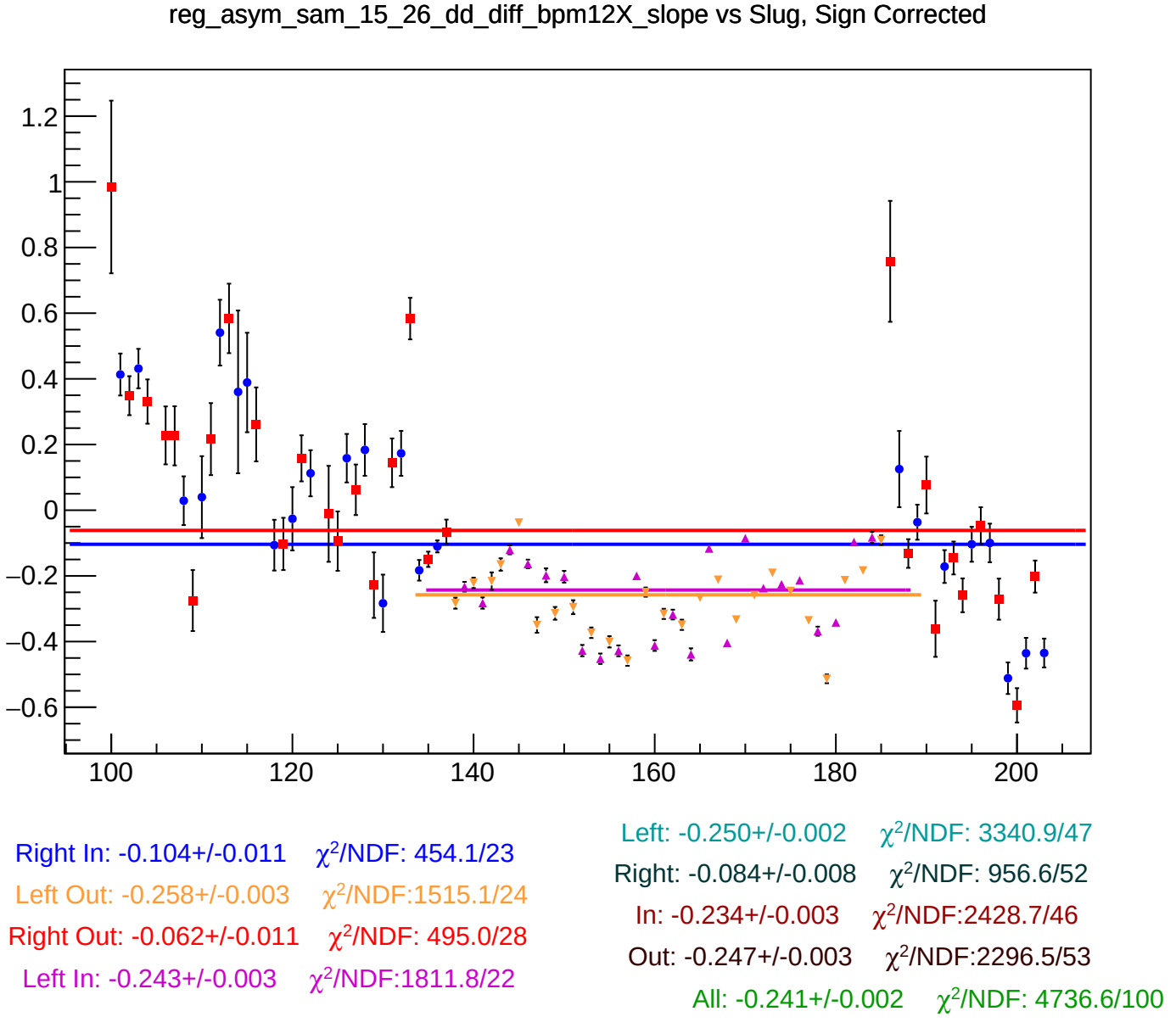
Left: 41.361+/-0.044 χ^2/NDF: 11288.6/47

Right: 48.355+/-0.159 χ^2/NDF: 9951.7/52

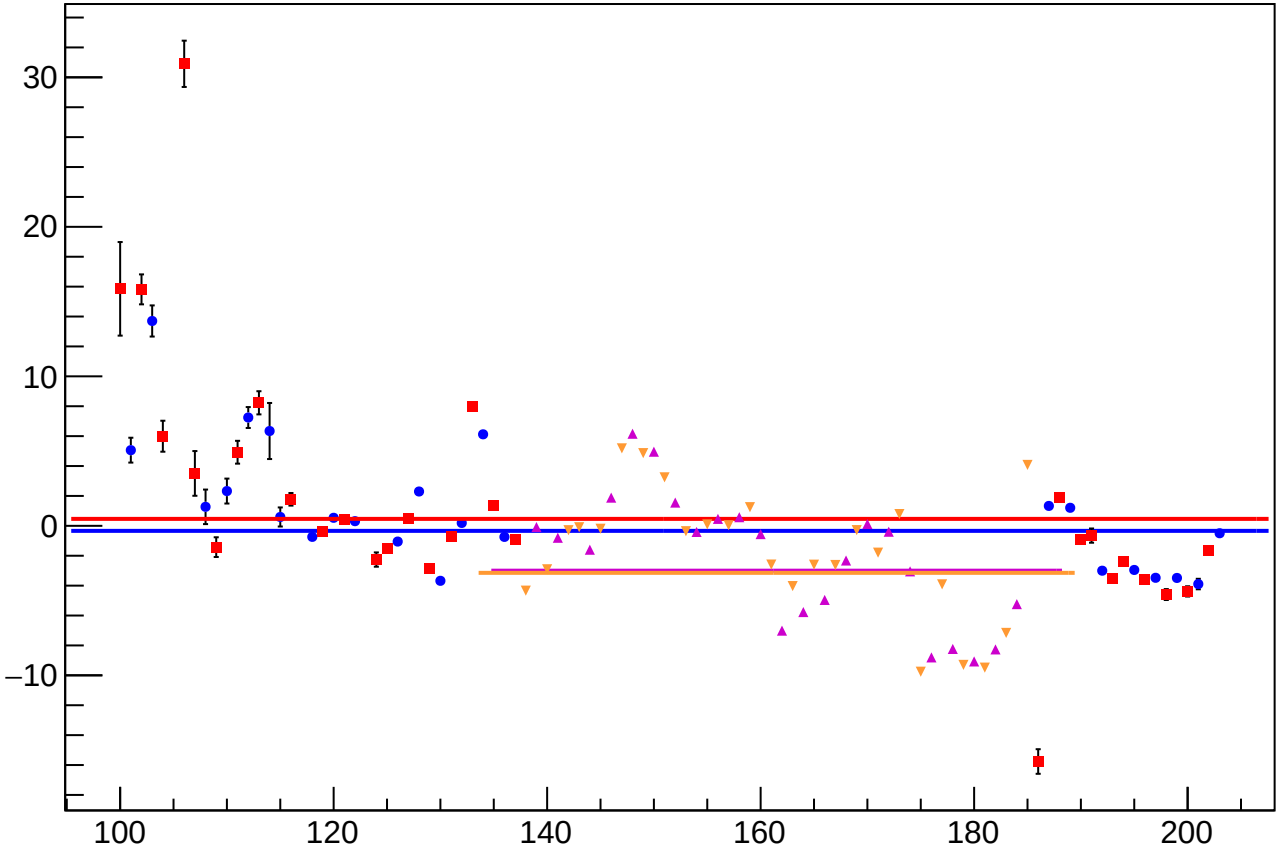
In: 41.633+/-0.060 χ^2/NDF:11427.3/46

Out: 42.071+/-0.059 χ^2/NDF:11590.1/53

All: 41.856+/-0.042 χ^2/NDF: 23044.4/100


reg_asym_sam_15_26_dd_diff_bpm12X_slope vs Slug, Sign Corrected
1.2
1
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
100
120
140
160
180
200
Right In: -0.104+/-0.011 χ2/NDF: 454.1/23
Left Out: -0.258+/-0.003 χ2/NDF:1515.1/24
Right Out: -0.062+/-0.011 χ2/NDF: 495.0/28
Left In: -0.243+/-0.003 χ2/NDF:1811.8/22
Left: -0.250+/-0.002 χ2/NDF: 3340.9/47
Right: -0.084+/-0.008 χ2/NDF: 956.6/52
In: -0.234+/-0.003 χ2/NDF:2428.7/46
Out: -0.247+/-0.003 χ2/NDF:2296.5/53
All: -0.241+/-0.002 χ2/NDF: 4736.6/100

reg_asym_sam_37_26_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -0.336+/-0.059 χ^2/NDF: 1743.3/23

Left Out: -3.144+/-0.028 χ^2/NDF:25358.6/24

Right Out: 0.465+/-0.057 χ^2/NDF: 4067.2/28

Left In: -2.999+/-0.028 χ^2/NDF:22425.0/22

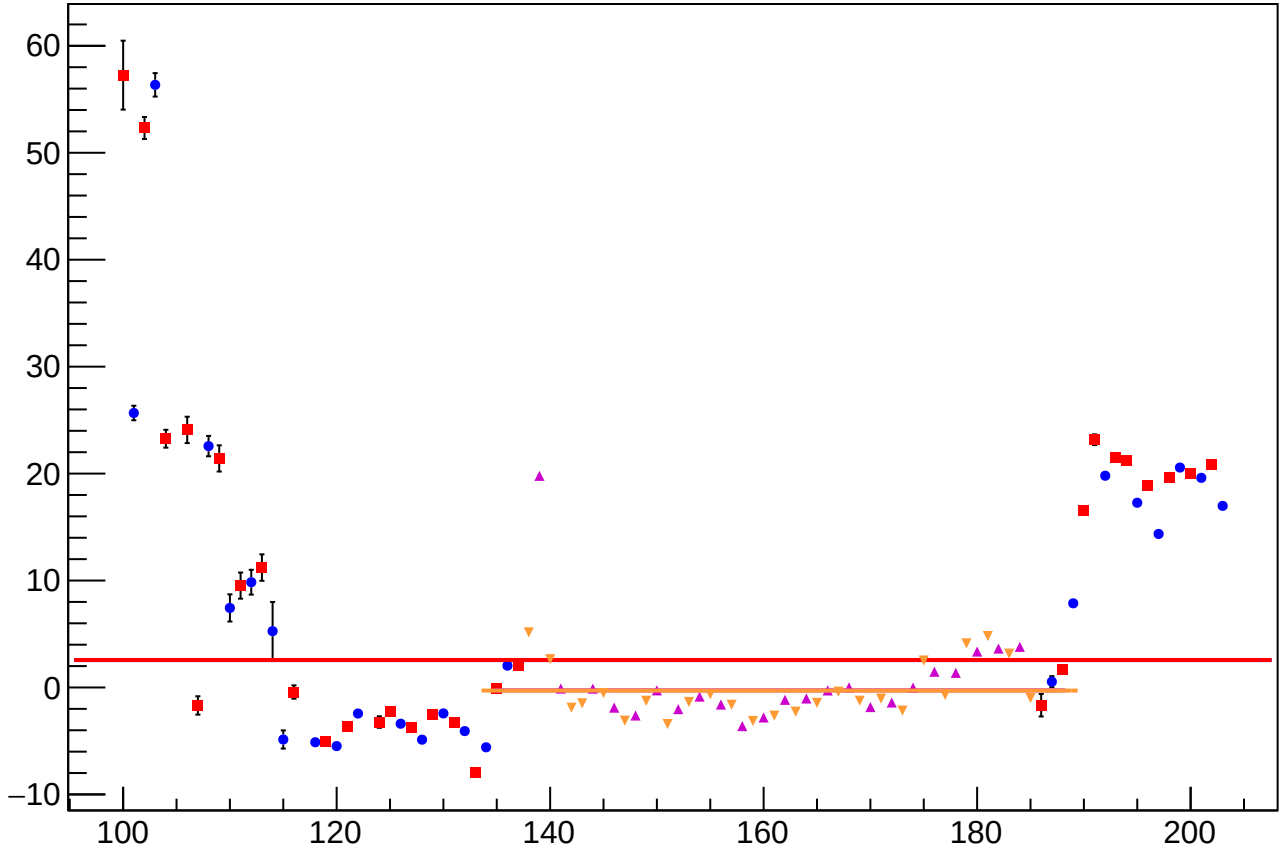
Left: -3.074+/-0.020 χ^2/NDF: 47797.0/47

Right: 0.084+/-0.041 χ^2/NDF: 5905.7/52

In: -2.503+/-0.026 χ^2/NDF:25799.1/46

Out: -2.447+/-0.025 χ^2/NDF:32698.9/53

All: -2.474+/-0.018 χ^2/NDF: 58500.5/100



Right In: 2.561+/-0.060 χ^2/NDF: 28436.5/23

Left Out: -0.288+/-0.022 χ^2/NDF:12198.2/24

Right Out: 2.573+/-0.057 χ^2/NDF: 36562.2/28

Left In: -0.271+/-0.022 χ^2/NDF:13220.8/22

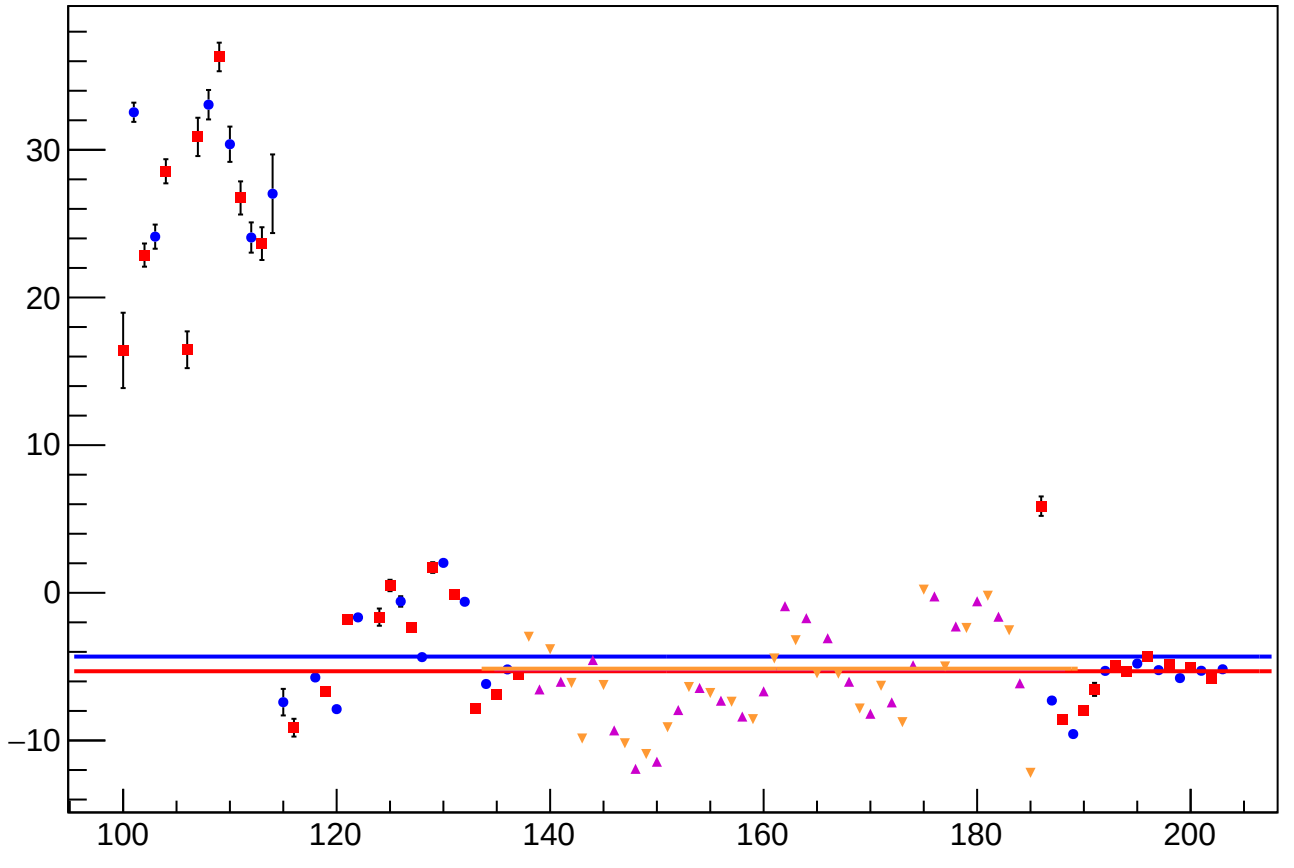
Left: -0.280+/-0.016 χ^2/NDF: 25419.3/47

Right: 2.567+/-0.041 χ^2/NDF: 64998.7/52

In: 0.077+/-0.021 χ^2/NDF:43640.3/46

Out: 0.073+/-0.020 χ^2/NDF:50930.3/53

All: 0.075+/-0.015 χ^2/NDF: 94570.6/100



Right In: -4.318+/-0.059 χ^2/NDF: 9414.4/23

Left Out: -5.138+/-0.028 χ^2/NDF:14626.0/24

Right Out: -5.312+/-0.054 χ^2/NDF: 10483.4/28

Left In: -5.177+/-0.028 χ^2/NDF:13963.7/22

Left: -5.157+/-0.020 χ^2/NDF: 28590.7/47

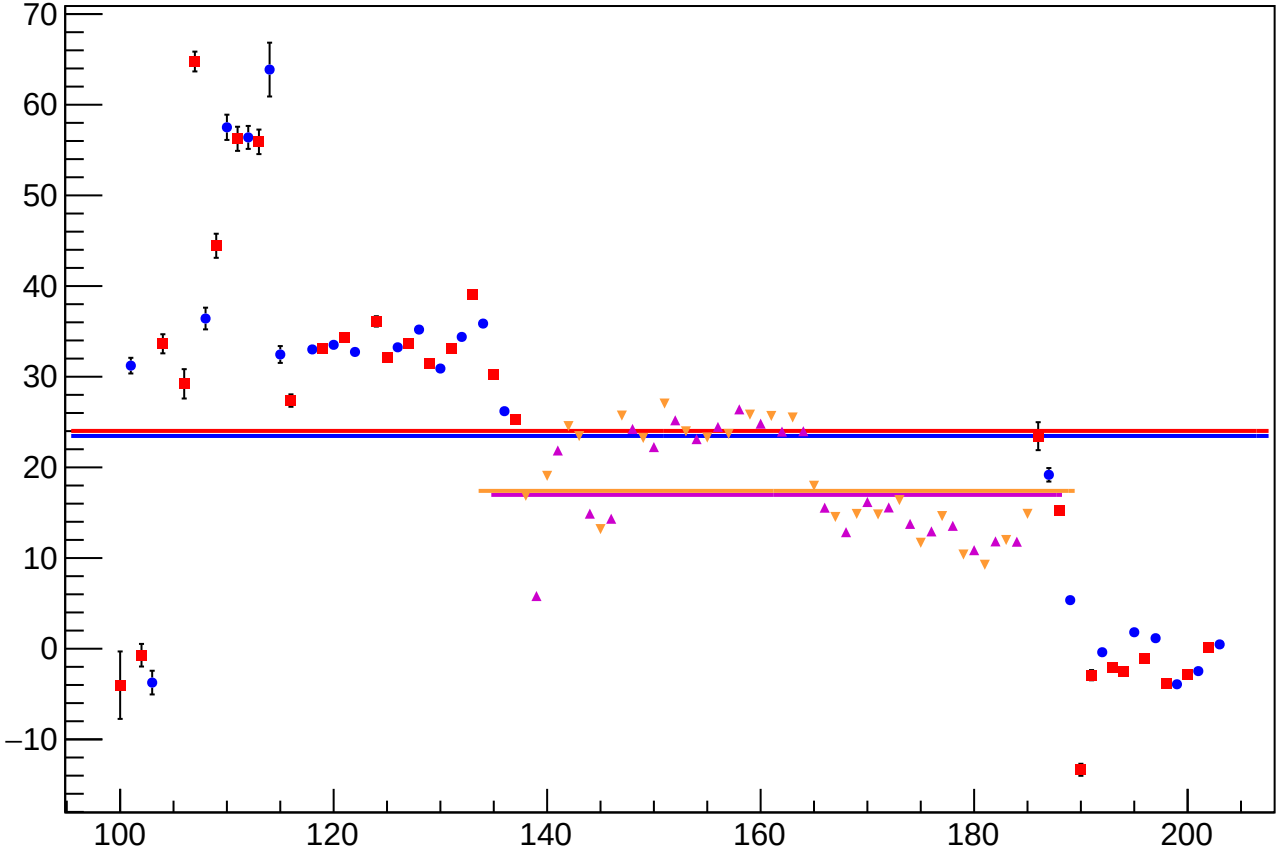
Right: -4.861+/-0.040 χ^2/NDF: 20051.7/52

In: -5.016+/-0.026 χ^2/NDF:23549.3/46

Out: -5.174+/-0.025 χ^2/NDF:25117.6/53

All: -5.098+/-0.018 χ^2/NDF: 48686.7/100

reg_asym_sam_37_26_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 23.466+/-0.069 χ^2/NDF: 44562.6/23

Left Out: 17.409+/-0.024 χ^2/NDF:50630.8/24

Right Out: 24.022+/-0.068 χ^2/NDF: 55647.9/28

Left In: 16.967+/-0.025 χ^2/NDF:39939.4/22

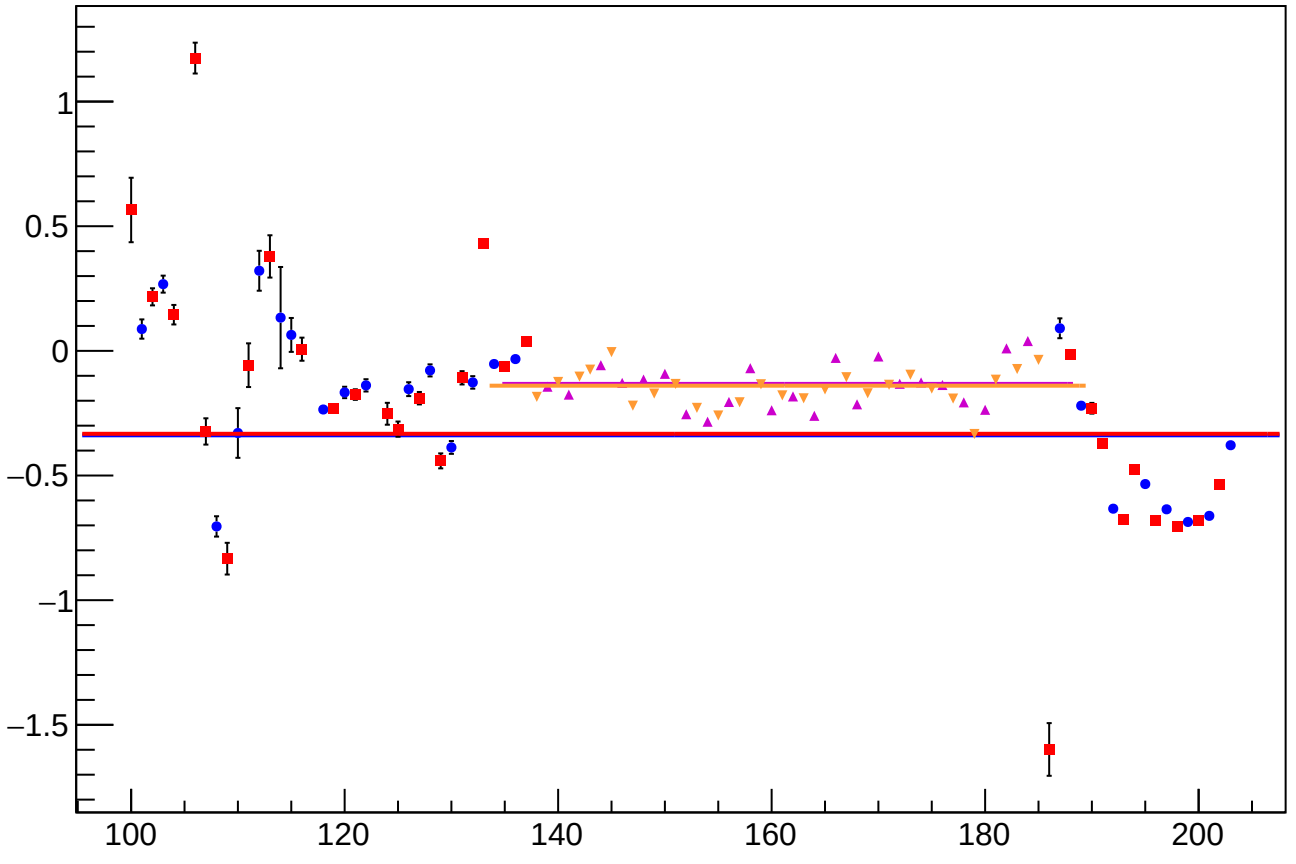
Left: 17.193+/-0.017 χ^2/NDF: 90729.6/47

Right: 23.749+/-0.048 χ^2/NDF: 100243.4/52

In: 17.718+/-0.024 χ^2/NDF:92306.8/46

Out: 18.167+/-0.023 χ^2/NDF:114665.0/53

All: 17.948+/-0.016 χ^2/NDF: 207157.8/100



Right In: -0.339+/-0.003 χ^2/NDF: 7126.0/23

Left Out: -0.140+/-0.001 χ^2/NDF:4108.2/24

Right Out: -0.333+/-0.003 χ^2/NDF: 11107.2/28

Left In: -0.133+/-0.001 χ^2/NDF:5529.7/22

Left: -0.136+/-0.001 χ^2/NDF: 9659.1/47

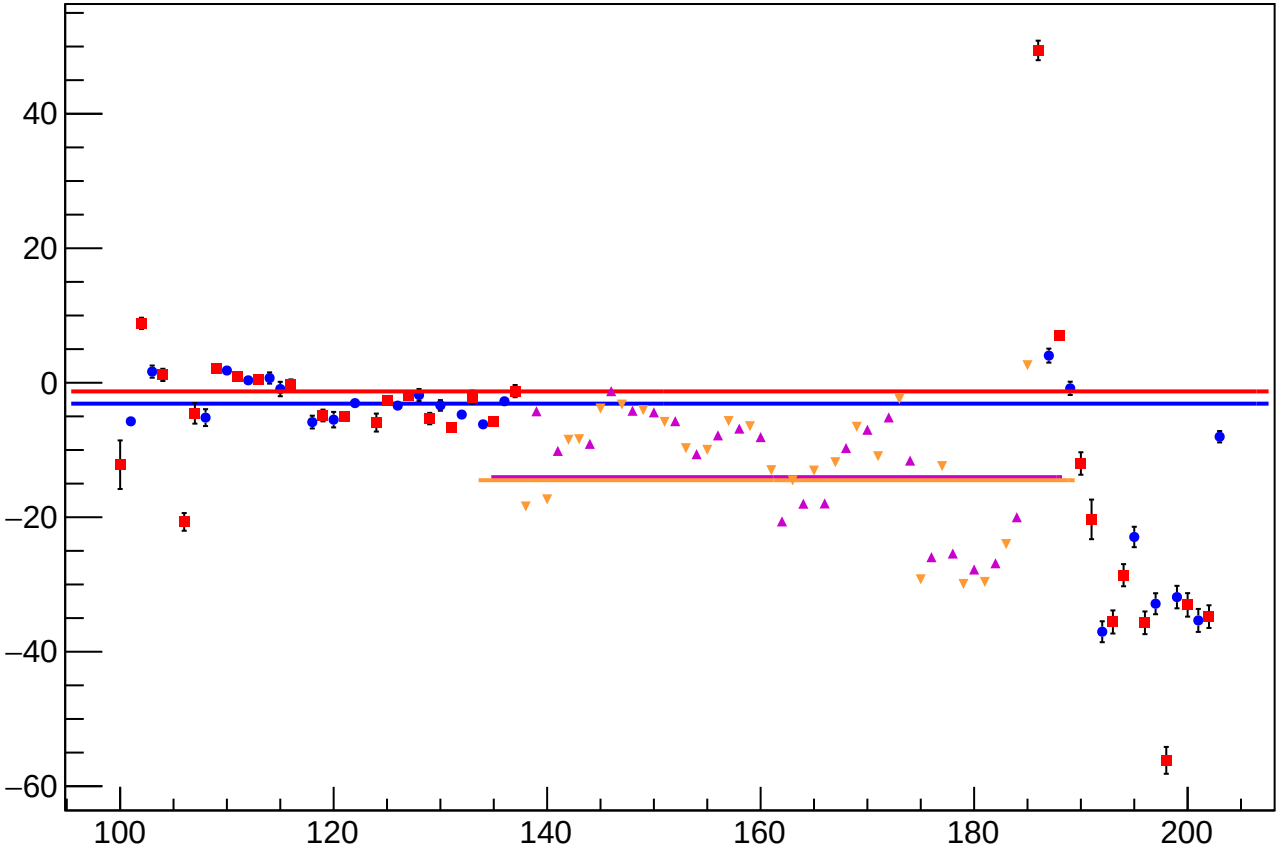
Right: -0.336+/-0.002 χ^2/NDF: 18235.0/52

In: -0.154+/-0.001 χ^2/NDF:16337.9/46

Out: -0.161+/-0.001 χ^2/NDF:18612.7/53

All: -0.158+/-0.001 χ^2/NDF: 34967.8/100

reg_asym_sam_1357_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -3.108+/-0.148 χ^2/NDF: 2113.4/23

Left Out: -14.494+/-0.075 χ^2/NDF:17232.7/24

Right Out: -1.288+/-0.139 χ^2/NDF: 4857.9/28

Left In: -14.038+/-0.077 χ^2/NDF:13482.5/22

Left: -14.272+/-0.054 χ^2/NDF: 30733.3/47

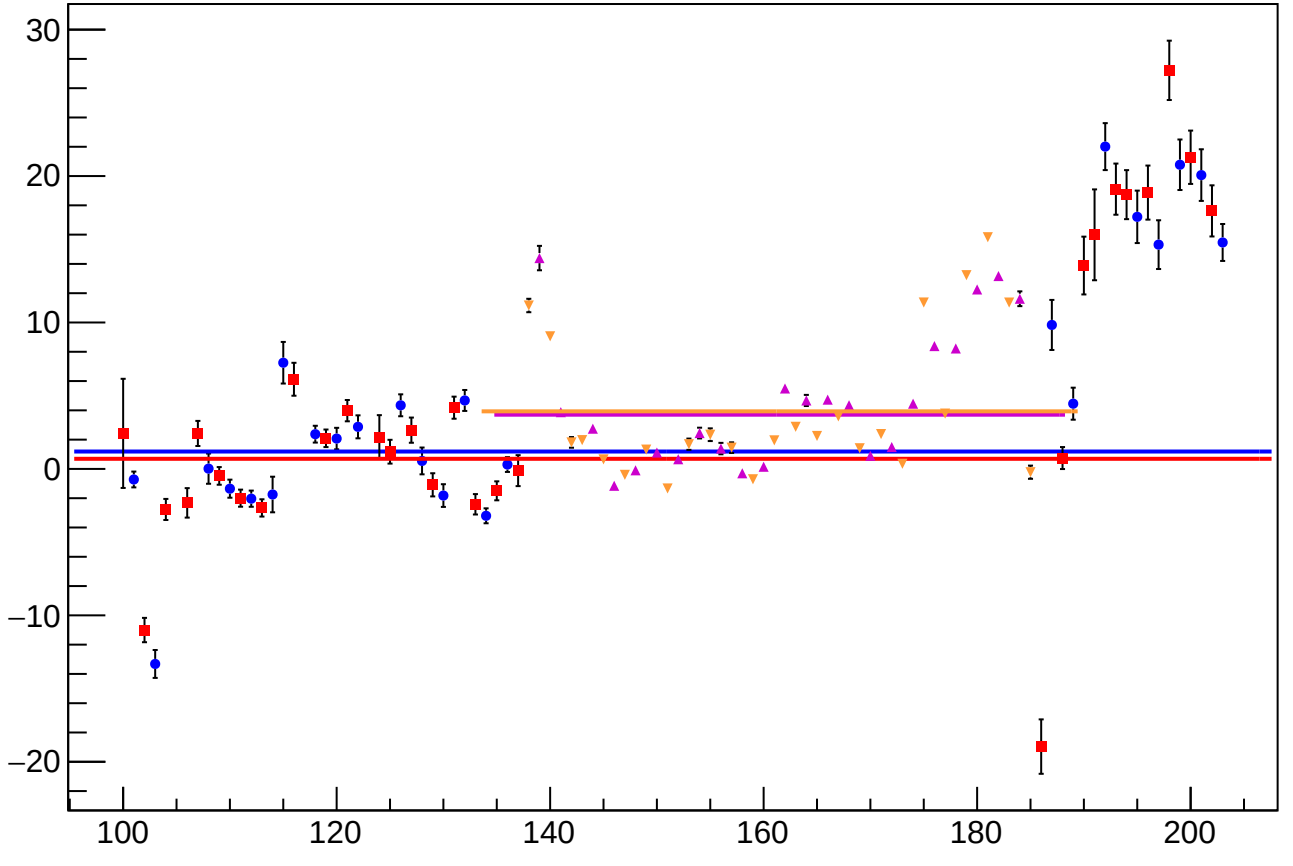
Right: -2.141+/-0.101 χ^2/NDF: 7051.9/52

In: -11.713+/-0.068 χ^2/NDF:19902.9/46

Out: -11.523+/-0.066 χ^2/NDF:29110.3/53

All: -11.614+/-0.047 χ^2/NDF: 49017.2/100

reg_asym_sam_1357_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 1.188+/-0.165 χ^2/NDF: 1192.0/23

Left Out: 3.932+/-0.058 χ^2/NDF:6979.2/24

Right Out: 0.691+/-0.166 χ^2/NDF: 1304.1/28

Left In: 3.703+/-0.059 χ^2/NDF:4788.5/22

Left: 3.820+/-0.041 χ^2/NDF: 11775.3/47

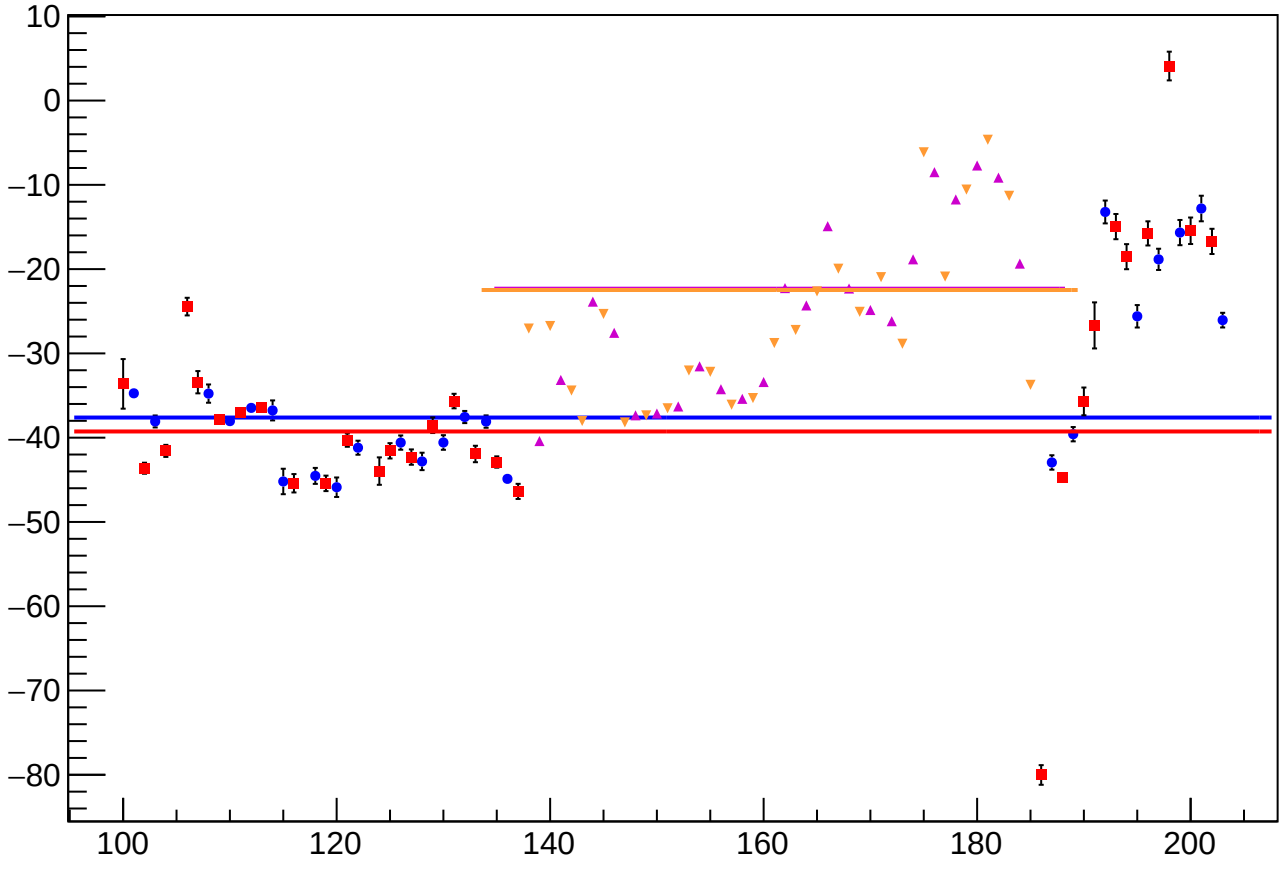
Right: 0.942+/-0.117 χ^2/NDF: 2500.6/52

In: 3.414+/-0.056 χ^2/NDF:6187.3/46

Out: 3.582+/-0.055 χ^2/NDF:8621.8/53

All: 3.500+/-0.039 χ^2/NDF: 14813.6/100

reg_asym_sam_1357_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -37.611+/-0.163 χ^2/NDF: 1846.7/23

Left Out: -22.478+/-0.075 χ^2/NDF:20417.4/24

Right Out: -39.264+/-0.159 χ^2/NDF: 3801.0/28

Left In: -22.322+/-0.077 χ^2/NDF:17133.3/22

Left: -22.402+/-0.054 χ^2/NDF: 37552.8/47

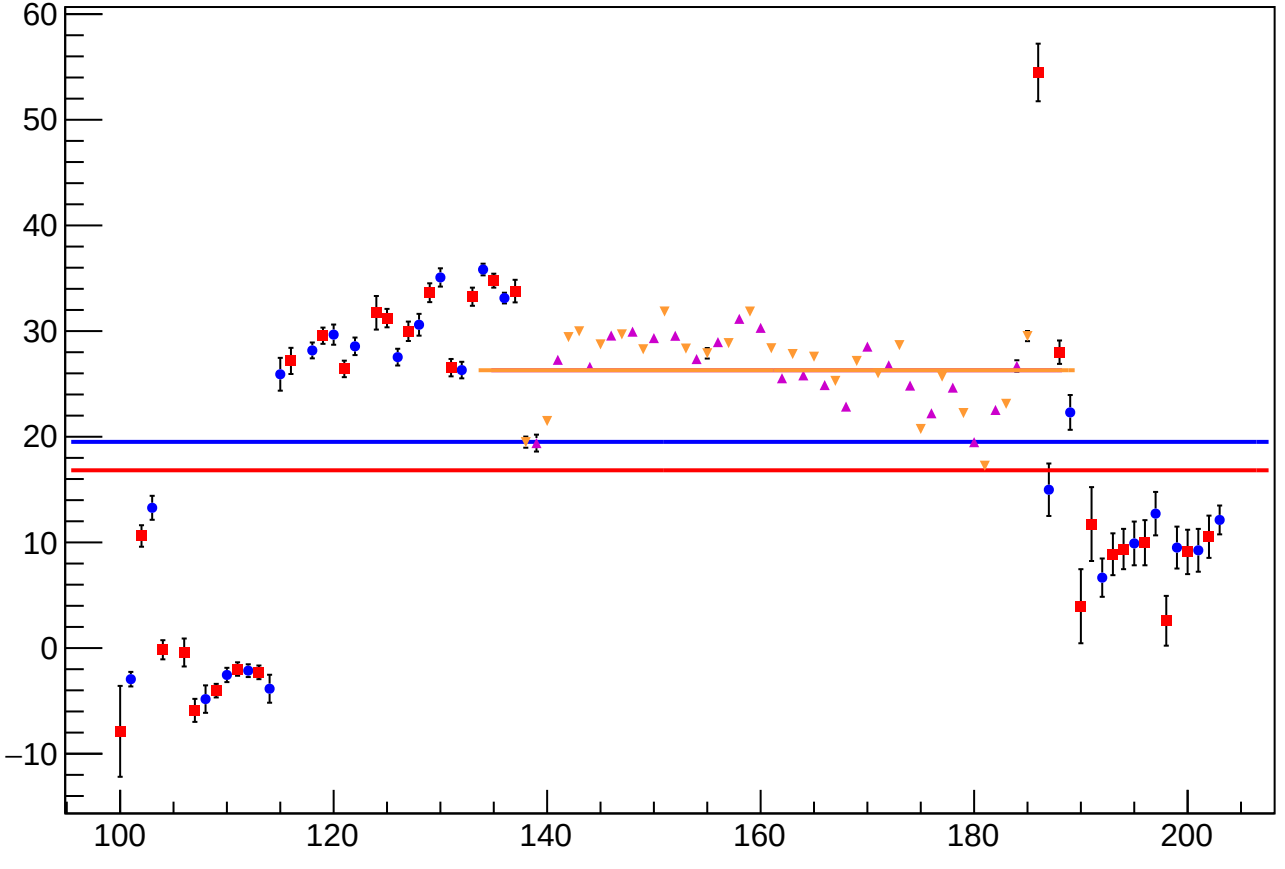
Right: -38.462+/-0.114 χ^2/NDF: 5700.5/52

In: -25.076+/-0.069 χ^2/NDF:26161.0/46

Out: -25.533+/-0.068 χ^2/NDF:33389.2/53

All: -25.310+/-0.048 χ^2/NDF: 59572.4/100

reg_asym_sam_1357_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 19.516+/-0.187 χ^2/NDF: 6864.1/23

Left Out: 26.296+/-0.065 χ^2/NDF:3307.8/24

Right Out: 16.825+/-0.190 χ^2/NDF: 7149.2/28

Left In: 26.292+/-0.067 χ^2/NDF:2185.8/22

Left: 26.294+/-0.047 χ^2/NDF: 5493.5/47

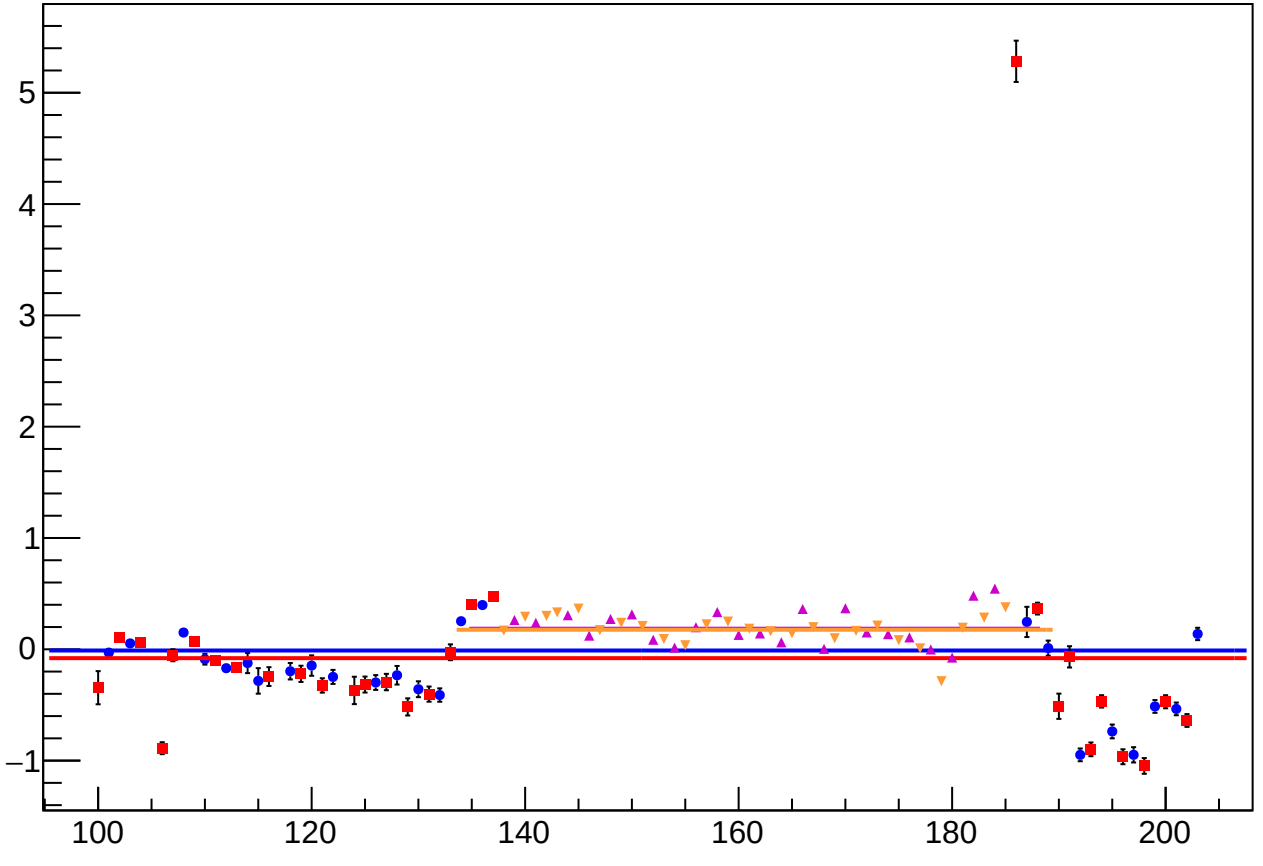
Right: 18.197+/-0.133 χ^2/NDF: 14115.1/52

In: 25.526+/-0.063 χ^2/NDF:10219.5/46

Out: 25.305+/-0.062 χ^2/NDF:12672.8/53

All: 25.413+/-0.044 χ^2/NDF: 22898.6/100

reg_asym_sam_1357_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.011+/-0.009 χ^2/NDF: 1418.3/23

Left Out: 0.176+/-0.003 χ^2/NDF:1935.6/24

Right Out: -0.080+/-0.010 χ^2/NDF: 2550.5/28

Left In: 0.185+/-0.003 χ^2/NDF:2538.5/22

Left: 0.180+/-0.002 χ^2/NDF: 4479.2/47

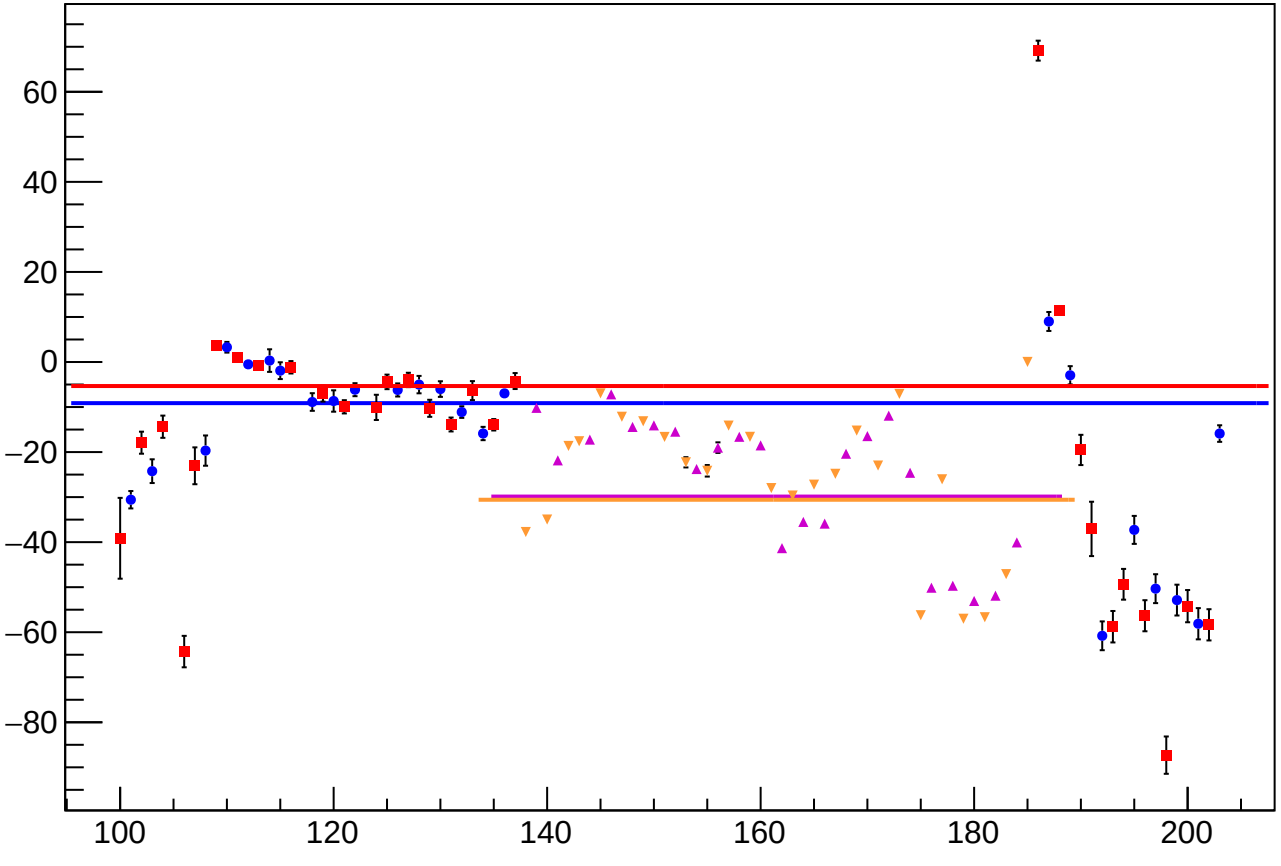
Right: -0.044+/-0.007 χ^2/NDF: 3994.4/52

In: 0.167+/-0.003 χ^2/NDF:4347.5/46

Out: 0.155+/-0.003 χ^2/NDF:5109.1/53

All: 0.161+/-0.002 χ^2/NDF: 9466.5/100

reg_asym_sam_2468_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -9.133+/-0.347 χ^2/NDF: 1394.5/23

Left Out: -30.587+/-0.142 χ^2/NDF:16046.0/24

Right Out: -5.335+/-0.334 χ^2/NDF: 3438.5/28

Left In: -29.878+/-0.146 χ^2/NDF:12034.7/22

Left: -30.242+/-0.102 χ^2/NDF: 28092.8/47

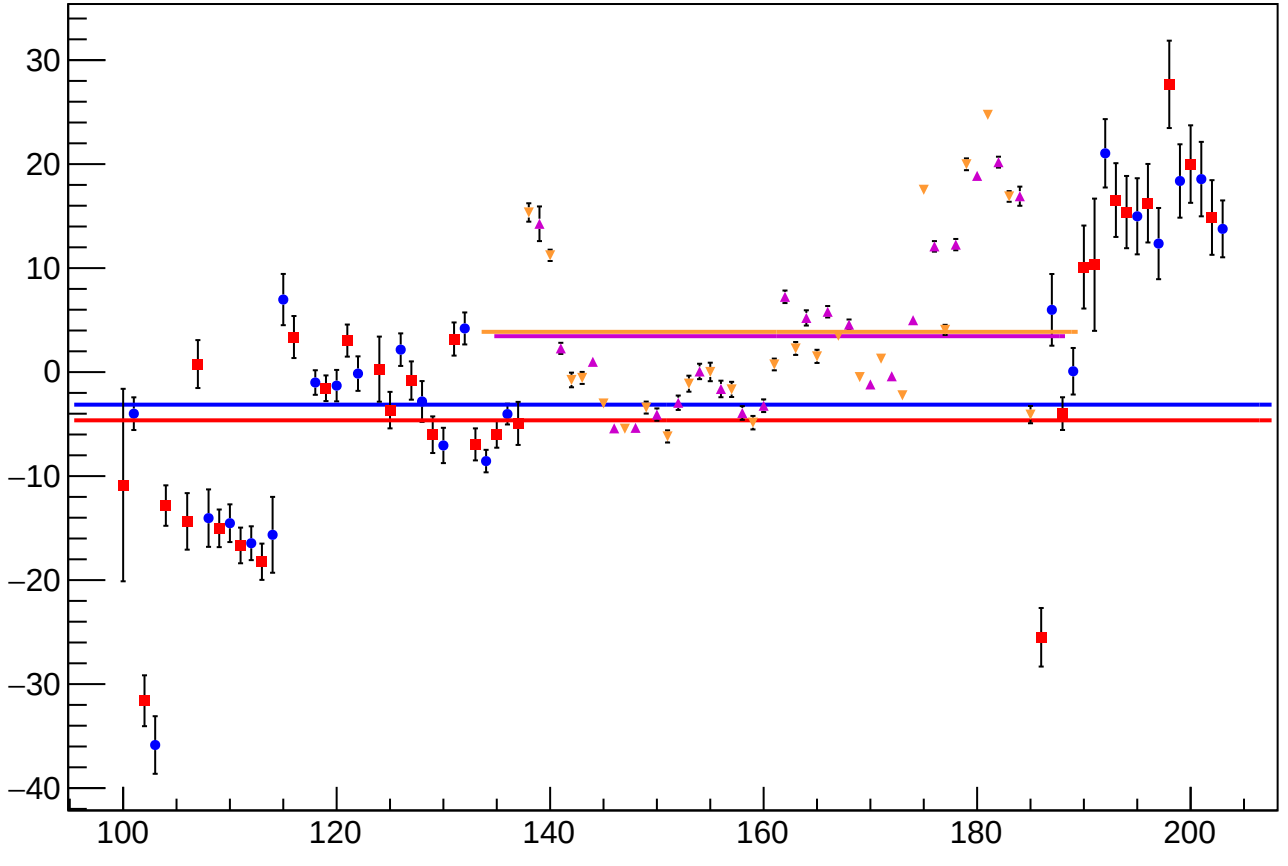
Right: -7.165+/-0.241 χ^2/NDF: 4895.2/52

In: -26.745+/-0.135 χ^2/NDF:16469.2/46

Out: -26.723+/-0.131 χ^2/NDF:24314.7/53

All: -26.734+/-0.094 χ^2/NDF: 40783.9/100

reg_asym_sam_2468_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -3.130+/-0.372 χ^2/NDF: 584.3/23

Left Out: 3.873+/-0.111 χ^2/NDF:6542.0/24

Right Out: -4.637+/-0.383 χ^2/NDF: 688.8/28

Left In: 3.453+/-0.114 χ^2/NDF:4693.7/22

Left: 3.667+/-0.079 χ^2/NDF: 11242.7/47

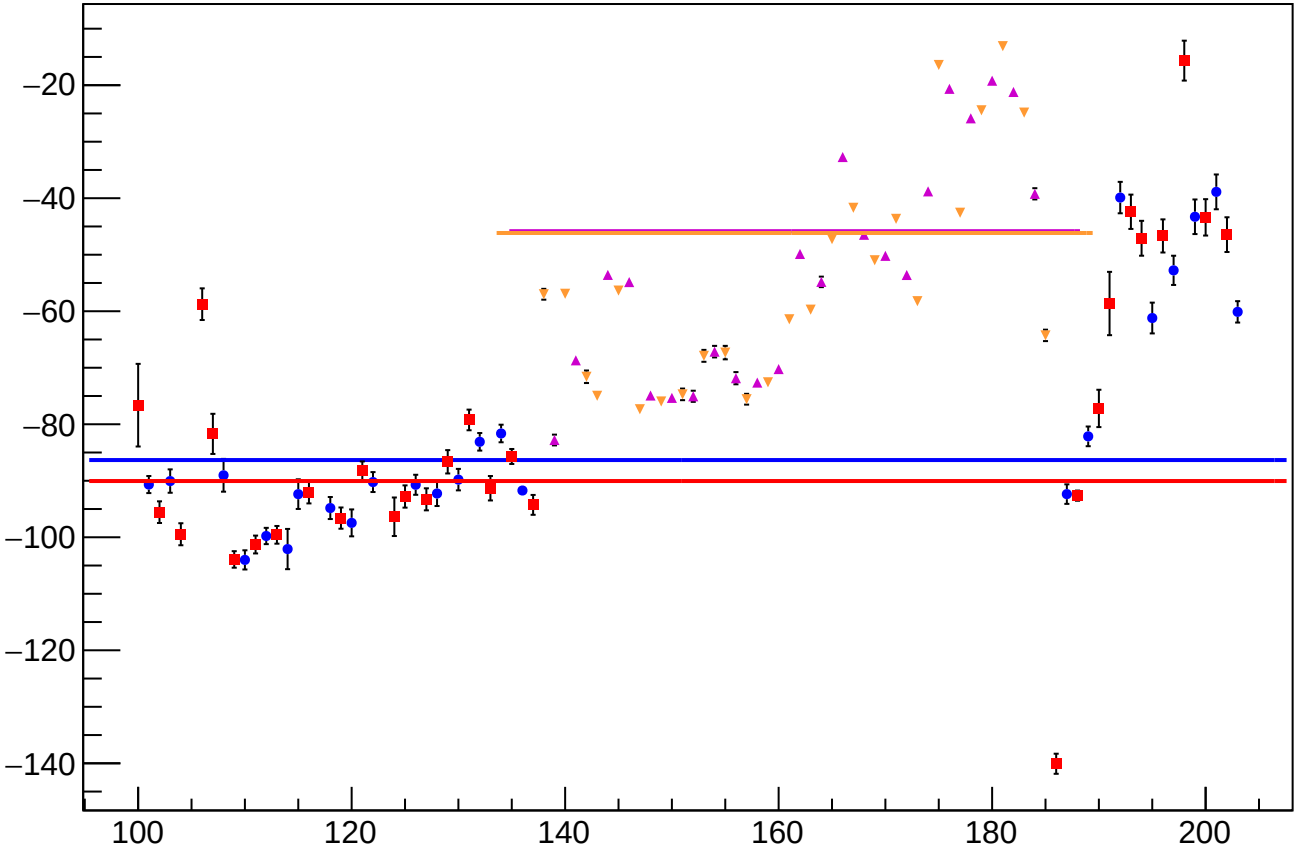
Right: -3.861+/-0.267 χ^2/NDF: 1281.1/52

In: 2.891+/-0.109 χ^2/NDF:5564.5/46

Out: 3.211+/-0.107 χ^2/NDF:7686.3/53

All: 3.054+/-0.076 χ^2/NDF: 13255.2/100

reg_asym_sam_2468_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -86.336+/-0.375 χ^2/NDF: 1524.8/23

Left Out: -46.153+/-0.142 χ^2/NDF:21455.9/24

Right Out: -90.048+/-0.366 χ^2/NDF: 2780.8/28

Left In: -45.833+/-0.146 χ^2/NDF:17924.6/22

Left: -45.997+/-0.102 χ^2/NDF: 39383.0/47

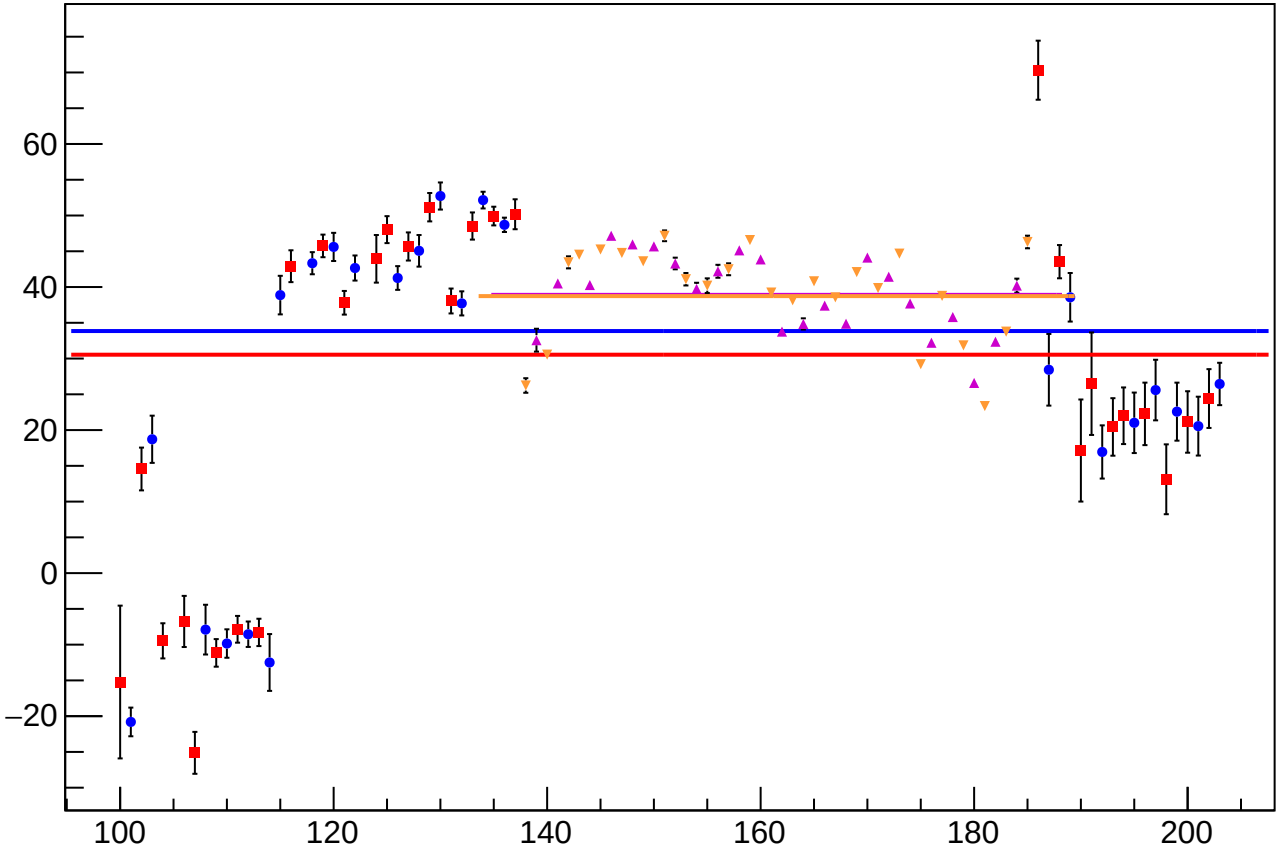
Right: -88.236+/-0.262 χ^2/NDF: 4355.9/52

In: -51.178+/-0.136 χ^2/NDF:29602.4/46

Out: -51.932+/-0.133 χ^2/NDF:36744.3/53

All: -51.564+/-0.095 χ^2/NDF: 66362.4/100

reg_asym_sam_2468_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 33.847+/-0.420 χ^2/NDF: 2874.3/23

Left Out: 38.730+/-0.125 χ^2/NDF:2781.7/24

Right Out: 30.539+/-0.439 χ^2/NDF: 3073.8/28

Left In: 38.905+/-0.127 χ^2/NDF:1971.6/22

Left: 38.816+/-0.089 χ^2/NDF: 4754.3/47

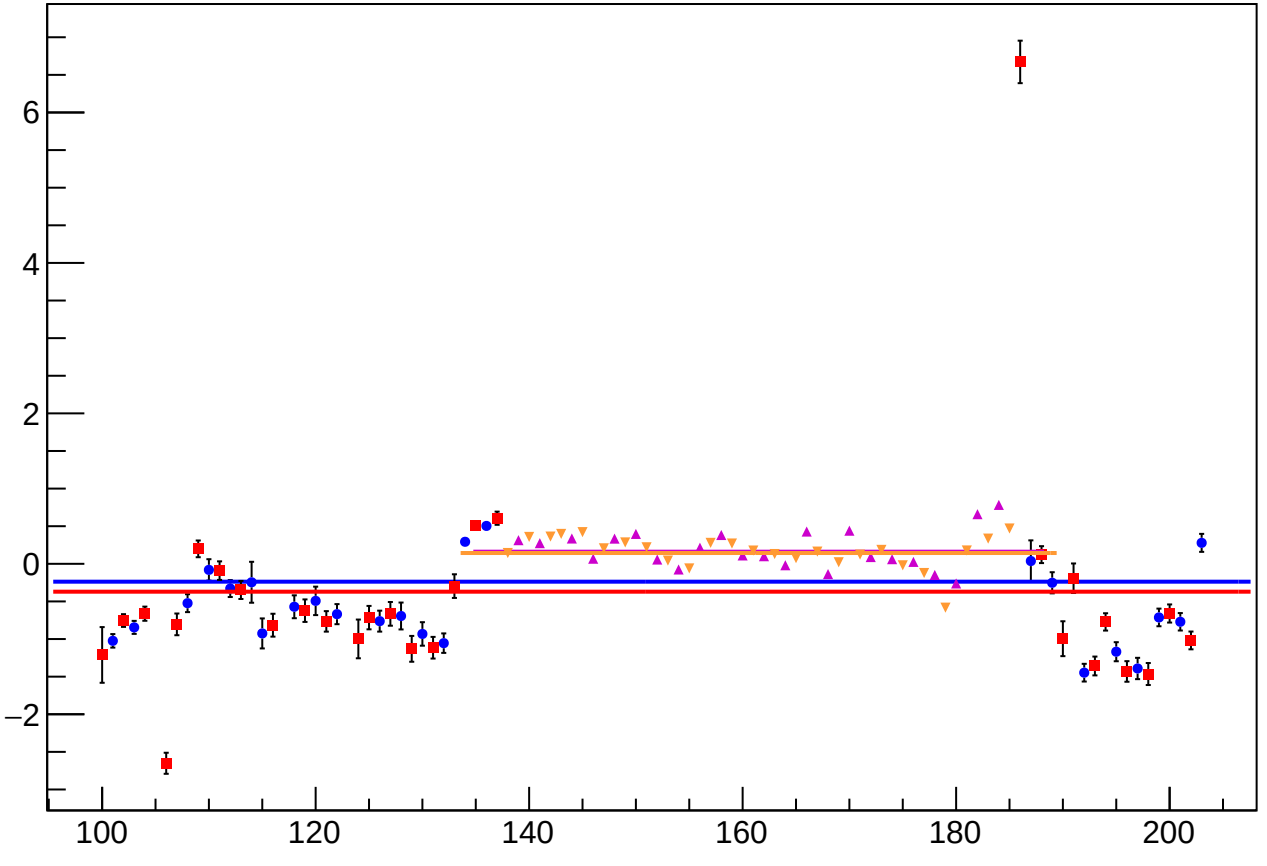
Right: 32.264+/-0.303 χ^2/NDF: 5977.7/52

In: 38.479+/-0.122 χ^2/NDF:4978.6/46

Out: 38.119+/-0.120 χ^2/NDF:6178.3/53

All: 38.296+/-0.085 χ^2/NDF: 11161.4/100

reg_asym_sam_2468_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.237+/-0.021 χ^2/NDF: 947.2/23

Left Out: 0.144+/-0.006 χ^2/NDF:1442.8/24

Right Out: -0.371+/-0.023 χ^2/NDF: 1712.8/28

Left In: 0.161+/-0.006 χ^2/NDF:1918.8/22

Left: 0.152+/-0.004 χ^2/NDF: 3366.6/47

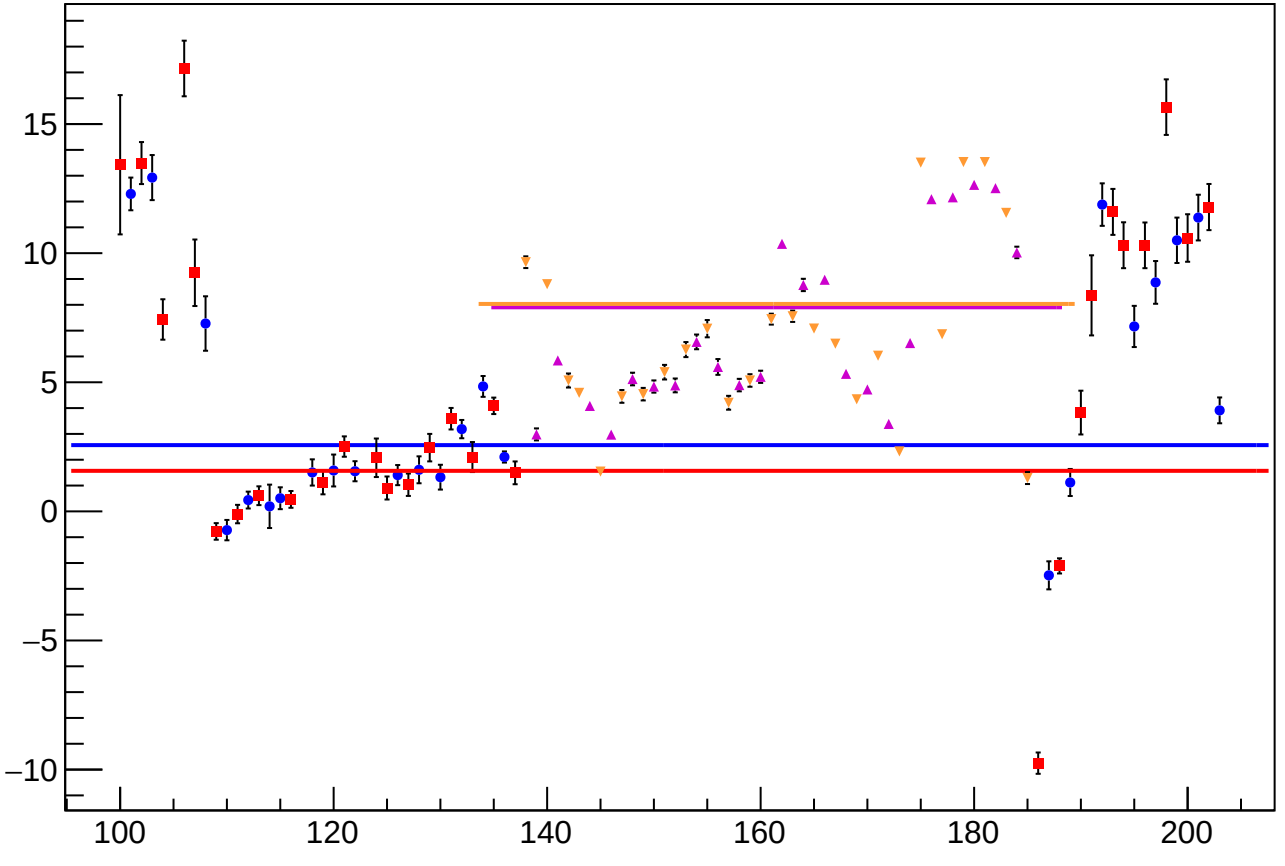
Right: -0.300+/-0.016 χ^2/NDF: 2678.4/52

In: 0.135+/-0.006 χ^2/NDF:3192.3/46

Out: 0.114+/-0.005 χ^2/NDF:3643.5/53

All: 0.124+/-0.004 χ^2/NDF: 6843.0/100

reg_asym_sam_1357_2468_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 2.566+/-0.096 χ^2/NDF: 1113.6/23

Left Out: 8.034+/-0.035 χ^2/NDF:13924.1/24

Right Out: 1.570+/-0.093 χ^2/NDF: 2385.2/28

Left In: 7.903+/-0.036 χ^2/NDF:10017.8/22

Left: 7.970+/-0.025 χ^2/NDF: 23948.8/47

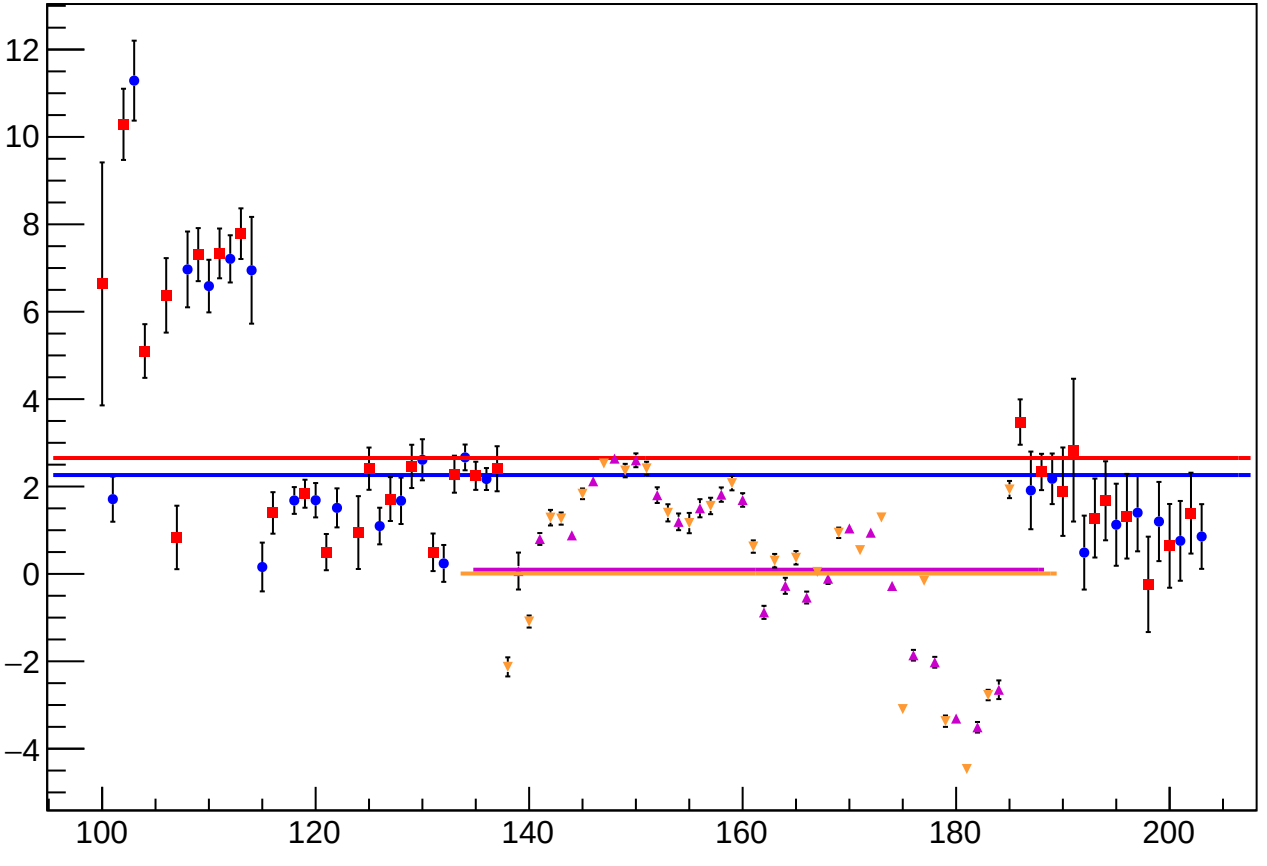
Right: 2.052+/-0.067 χ^2/NDF: 3554.5/52

In: 7.250+/-0.034 χ^2/NDF:13852.1/46

Out: 7.239+/-0.033 χ^2/NDF:20570.6/53

All: 7.244+/-0.023 χ^2/NDF: 34422.7/100

reg_asym_sam_1357_2468_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 2.262+/-0.101 χ^2/NDF: 350.1/23

Left Out: 0.009+/-0.027 χ^2/NDF:5761.2/24

Right Out: 2.652+/-0.104 χ^2/NDF: 434.6/28

Left In: 0.096+/-0.028 χ^2/NDF:4433.3/22

Left: 0.051+/-0.020 χ^2/NDF: 10199.5/47

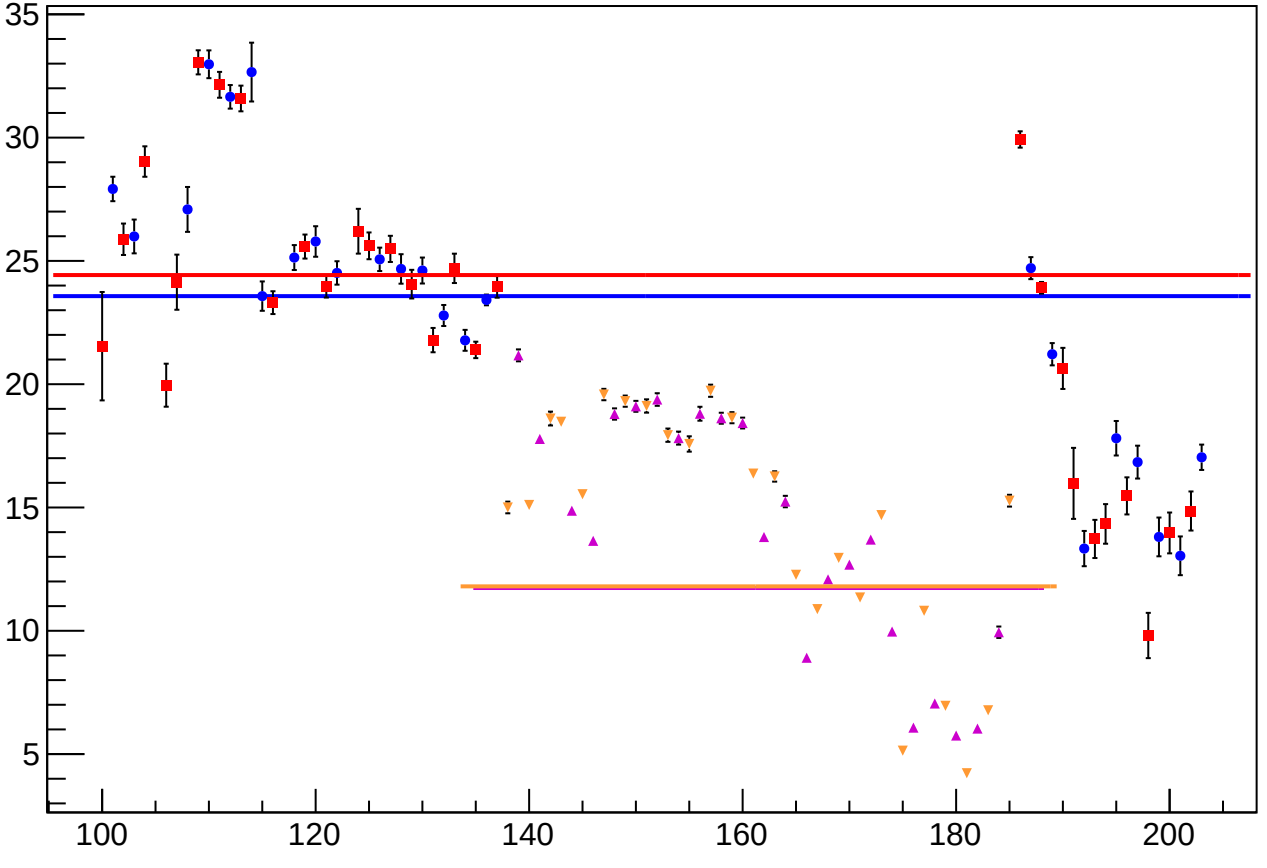
Right: 2.452+/-0.073 χ^2/NDF: 791.9/52

In: 0.251+/-0.027 χ^2/NDF:5208.1/46

Out: 0.180+/-0.027 χ^2/NDF:6796.5/53

All: 0.215+/-0.019 χ^2/NDF: 12008.2/100

reg_asym_sam_1357_2468_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 23.572+/-0.102 χ^2/NDF: 1695.2/23

Left Out: 11.802+/-0.035 χ^2/NDF:21479.5/24

Right Out: 24.426+/-0.098 χ^2/NDF: 2329.4/28

Left In: 11.735+/-0.036 χ^2/NDF:17999.5/22

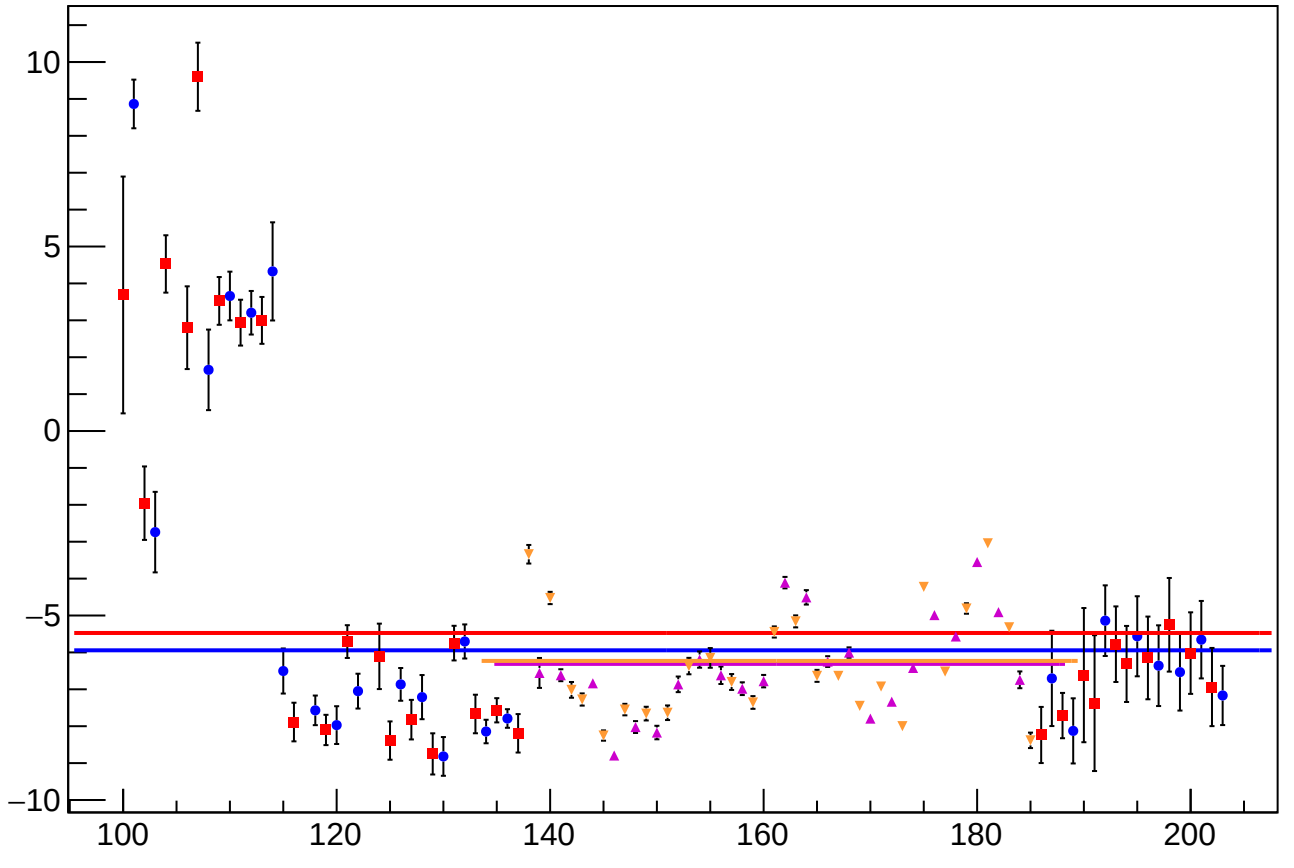
Left: 11.769+/-0.025 χ^2/NDF: 39480.8/47

Right: 24.015+/-0.071 χ^2/NDF: 4060.8/52

In: 13.027+/-0.034 χ^2/NDF:31624.0/46

Out: 13.207+/-0.033 χ^2/NDF:38417.7/53

All: 13.120+/-0.024 χ^2/NDF: 70056.2/100



Right In: -5.943+/-0.114 χ^2/NDF: 1261.9/23

Left Out: -6.231+/-0.031 χ^2/NDF:2450.1/24

Right Out: -5.473+/-0.120 χ^2/NDF: 1326.9/28

Left In: -6.311+/-0.031 χ^2/NDF:2030.2/22

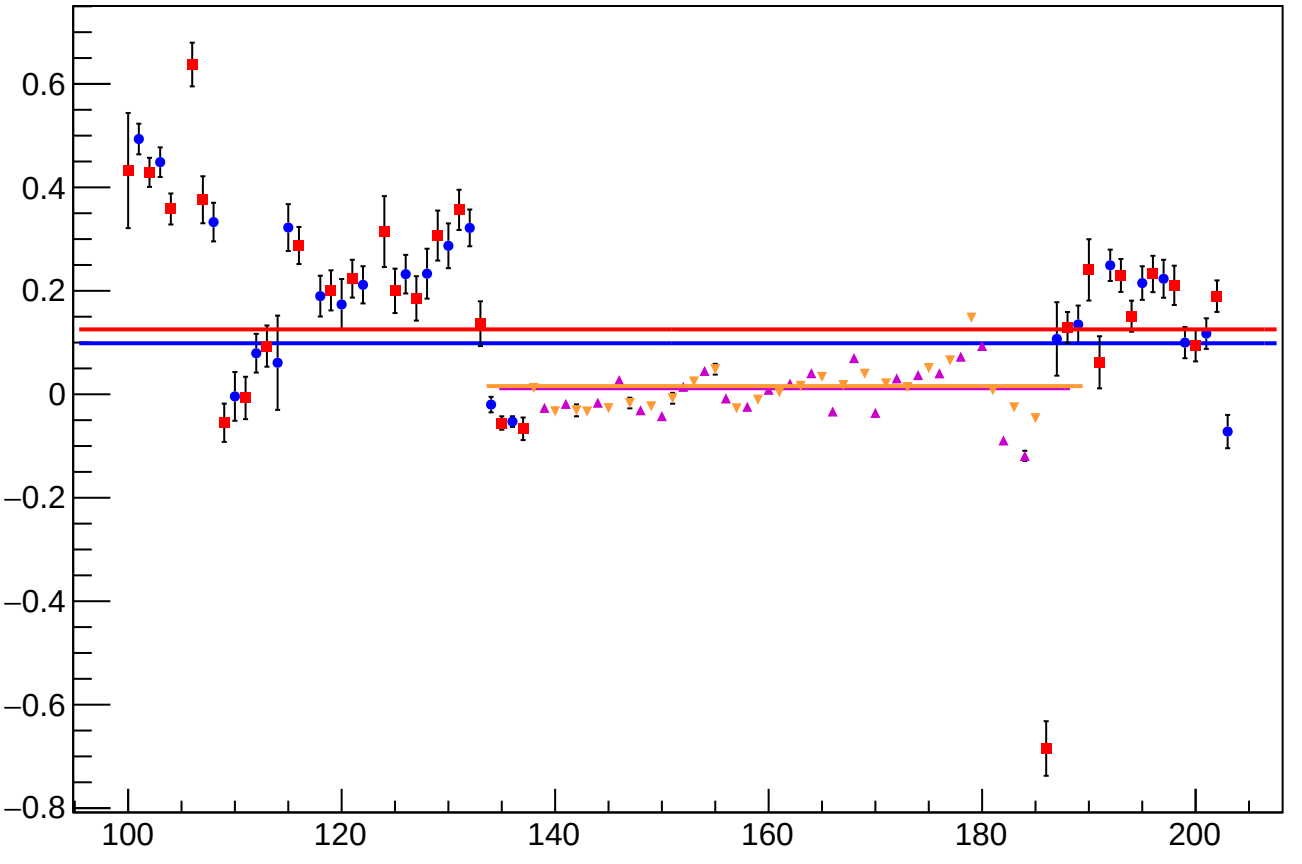
Left: -6.270+/-0.022 χ^2/NDF: 4483.6/47

Right: -5.720+/-0.083 χ^2/NDF: 2596.9/52

In: -6.285+/-0.030 χ^2/NDF:3301.7/46

Out: -6.184+/-0.030 χ^2/NDF:3814.5/53

All: -6.234+/-0.021 χ^2/NDF: 7121.9/100



Right In: 0.099+/-0.006 χ^2/NDF: 849.6/23

Left Out: 0.016+/-0.001 χ^2/NDF:933.4/24

Right Out: 0.125+/-0.006 χ^2/NDF: 1034.7/28

Left In: 0.012+/-0.001 χ^2/NDF:1297.5/22

Left: 0.014+/-0.001 χ^2/NDF: 2235.3/47

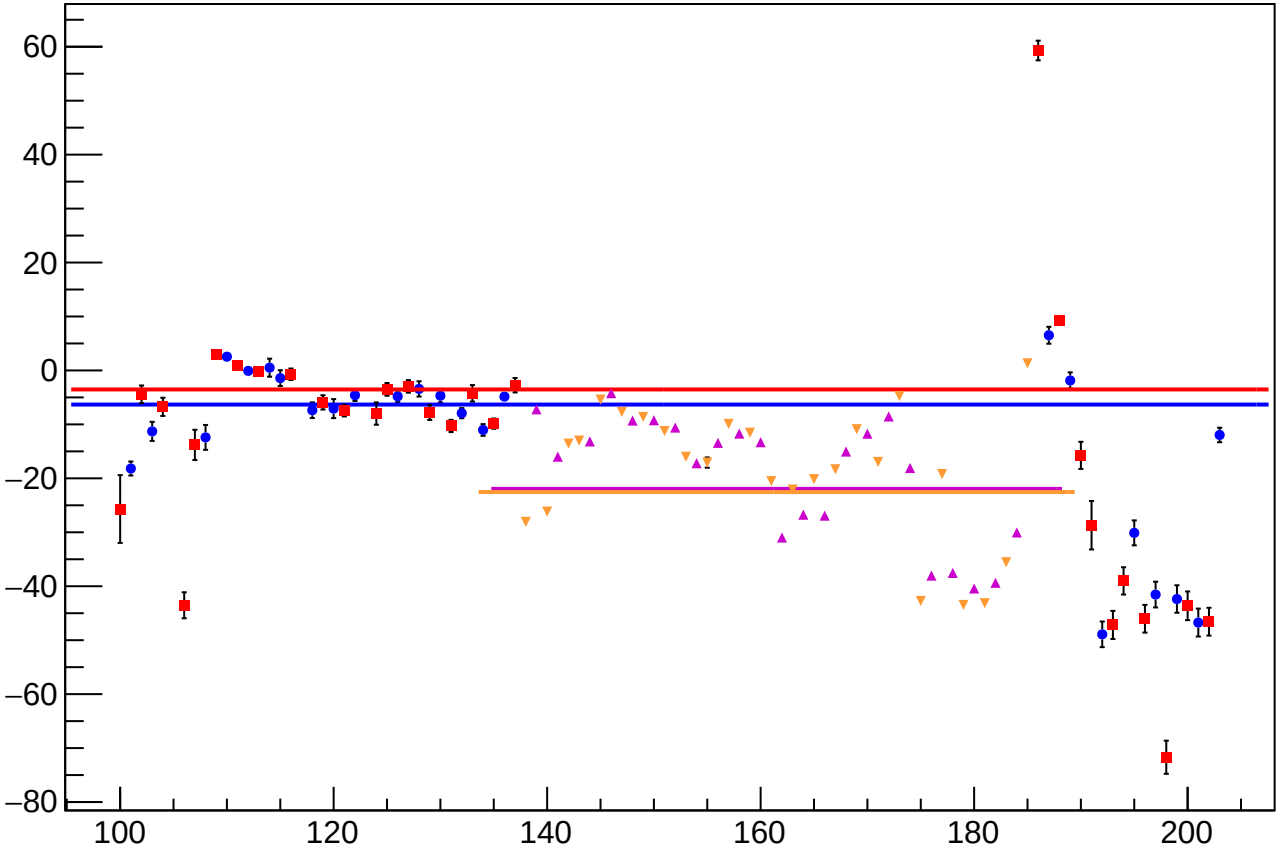
Right: 0.111+/-0.004 χ^2/NDF: 1894.4/52

In: 0.017+/-0.001 χ^2/NDF:2360.8/46

Out: 0.021+/-0.001 χ^2/NDF:2271.7/53

All: 0.019+/-0.001 χ^2/NDF: 4638.0/100

reg_asym_sam_12345678_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -6.324+/-0.249 χ^2/NDF: 1562.2/23

Left Out: -22.538+/-0.108 χ^2/NDF:16540.6/24

Right Out: -3.525+/-0.239 χ^2/NDF: 3814.5/28

Left In: -21.957+/-0.111 χ^2/NDF:12585.3/22

Left: -22.255+/-0.078 χ^2/NDF: 29139.9/47

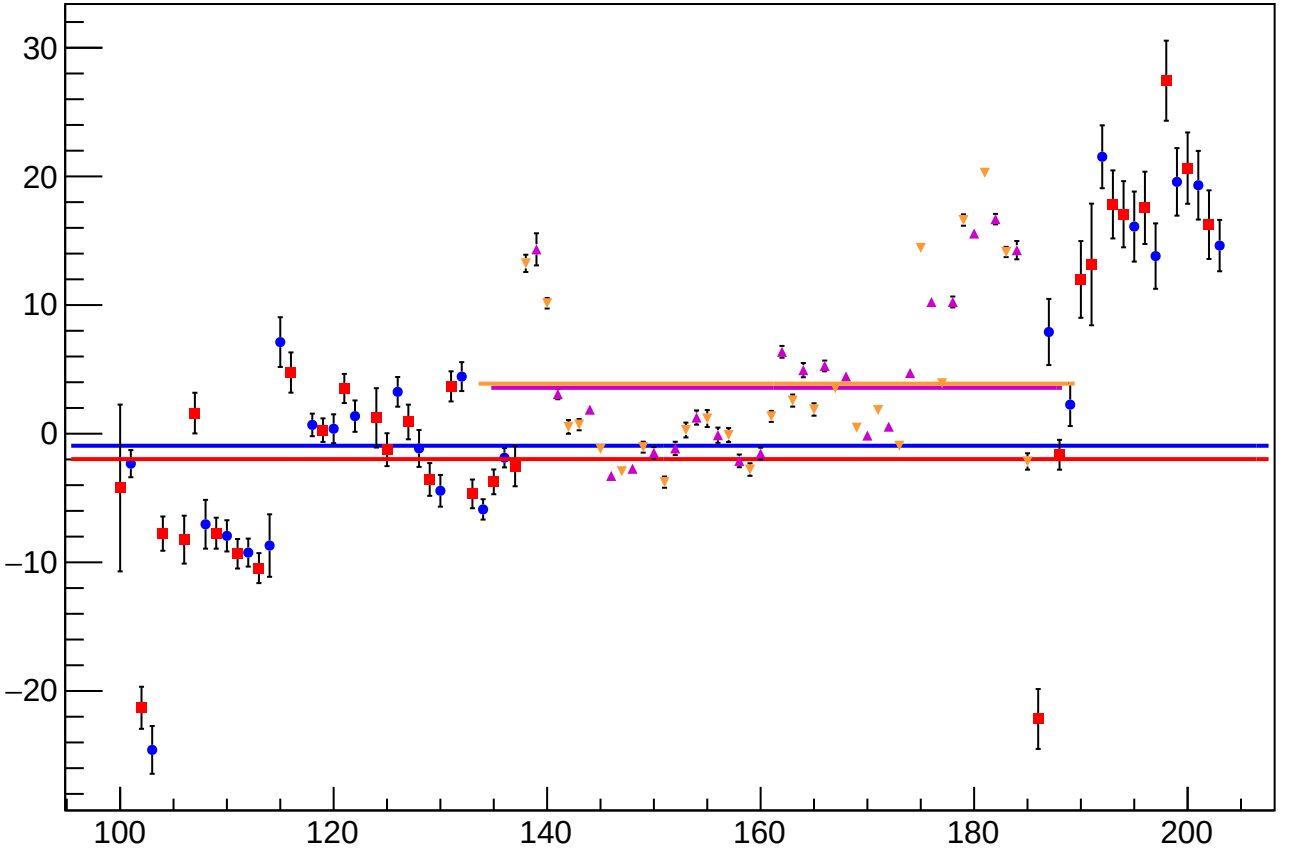
Right: -4.865+/-0.172 χ^2/NDF: 5442.6/52

In: -19.359+/-0.102 χ^2/NDF:17433.4/46

Out: -19.303+/-0.098 χ^2/NDF:25618.0/53

All: -19.330+/-0.071 χ^2/NDF: 43051.6/100

reg_asym_sam_12345678_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -0.937+/-0.270 χ^2/NDF: 738.4/23

Left Out: 3.891+/-0.084 χ^2/NDF:6724.1/24

Right Out: -1.976+/-0.276 χ^2/NDF: 850.3/28

Left In: 3.565+/-0.086 χ^2/NDF:4739.4/22

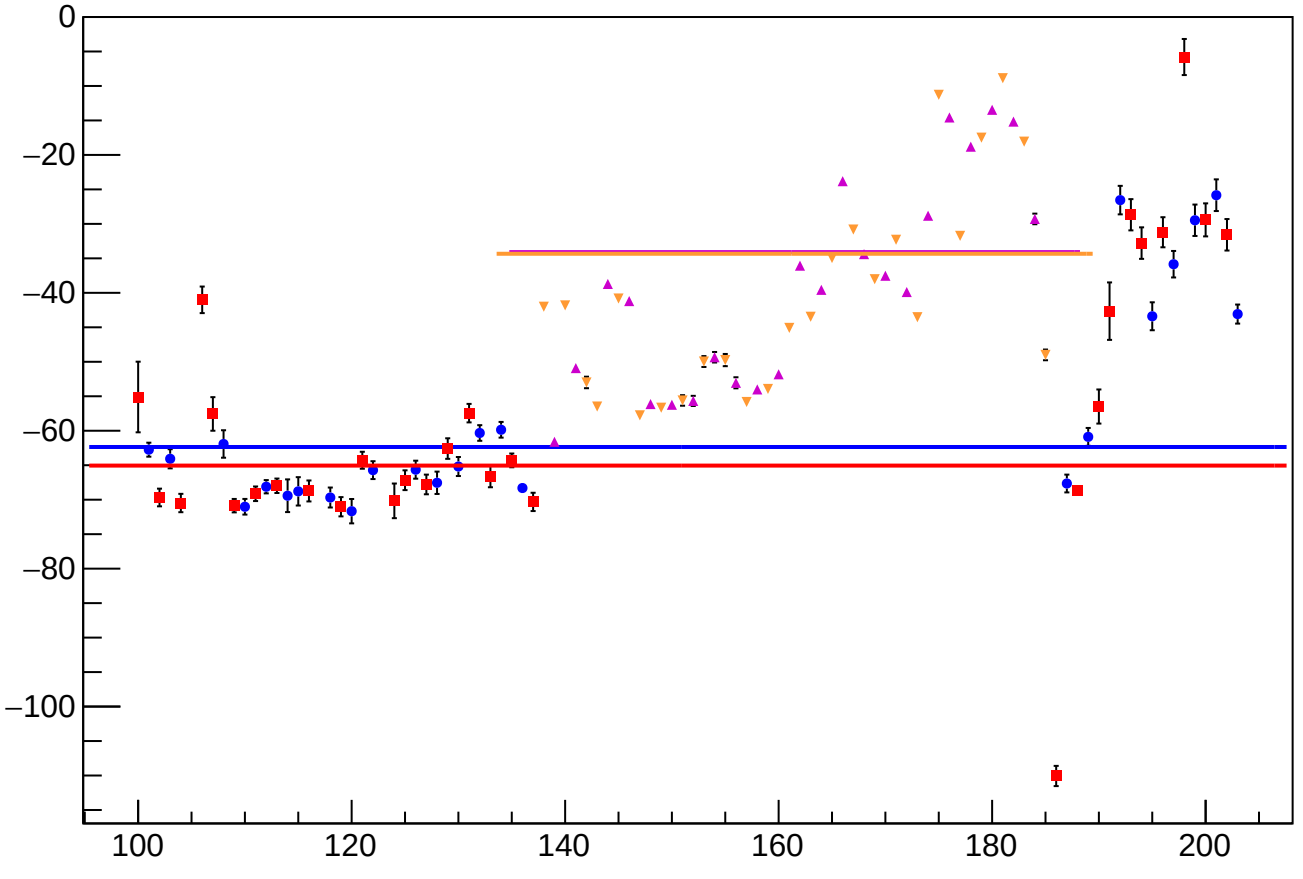
Left: 3.732+/-0.060 χ^2/NDF: 11470.7/47

Right: -1.444+/-0.193 χ^2/NDF: 1596.0/52

In: 3.148+/-0.082 χ^2/NDF:5730.8/46

Out: 3.393+/-0.081 χ^2/NDF:7986.5/53

All: 3.273+/-0.058 χ^2/NDF: 13721.8/100



Right In: -62.357+/-0.271 χ^2/NDF: 1538.8/23

Left Out: -34.334+/-0.108 χ^2/NDF:21200.8/24

Right Out: -65.054+/-0.264 χ^2/NDF: 3004.6/28

Left In: -34.091+/-0.111 χ^2/NDF:17726.5/22

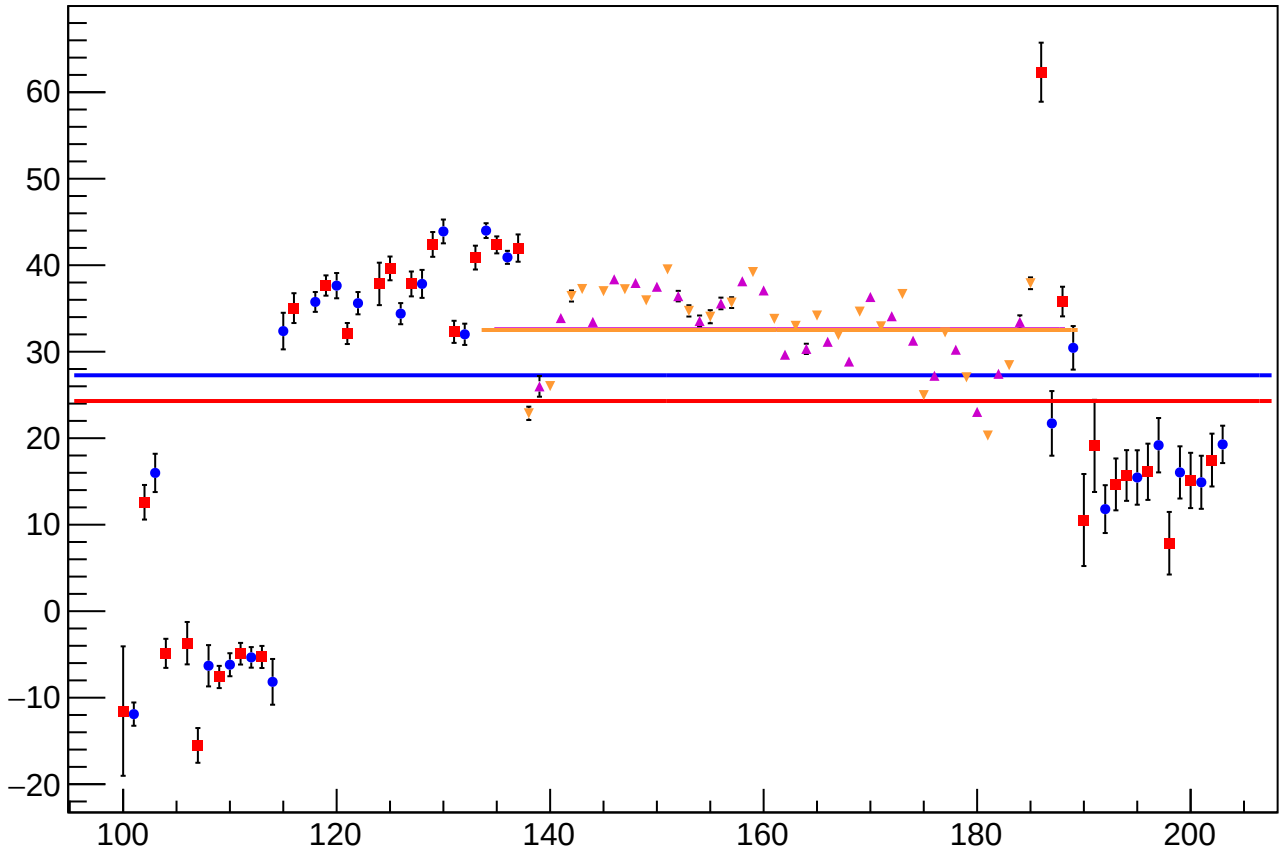
Left: -34.216+/-0.077 χ^2/NDF: 38929.7/47

Right: -63.737+/-0.189 χ^2/NDF: 4594.2/52

In: -38.158+/-0.103 χ^2/NDF:28602.8/46

Out: -38.748+/-0.100 χ^2/NDF:35772.3/53

All: -38.460+/-0.072 χ^2/NDF: 64392.1/100



Right In: 27.274+/-0.305 χ^2/NDF: 3834.1/23

Left Out: 32.511+/-0.095 χ^2/NDF:2938.0/24

Right Out: 24.299+/-0.317 χ^2/NDF: 4077.5/28

Left In: 32.598+/-0.097 χ^2/NDF:2012.9/22

Left: 32.553+/-0.068 χ^2/NDF: 4951.3/47

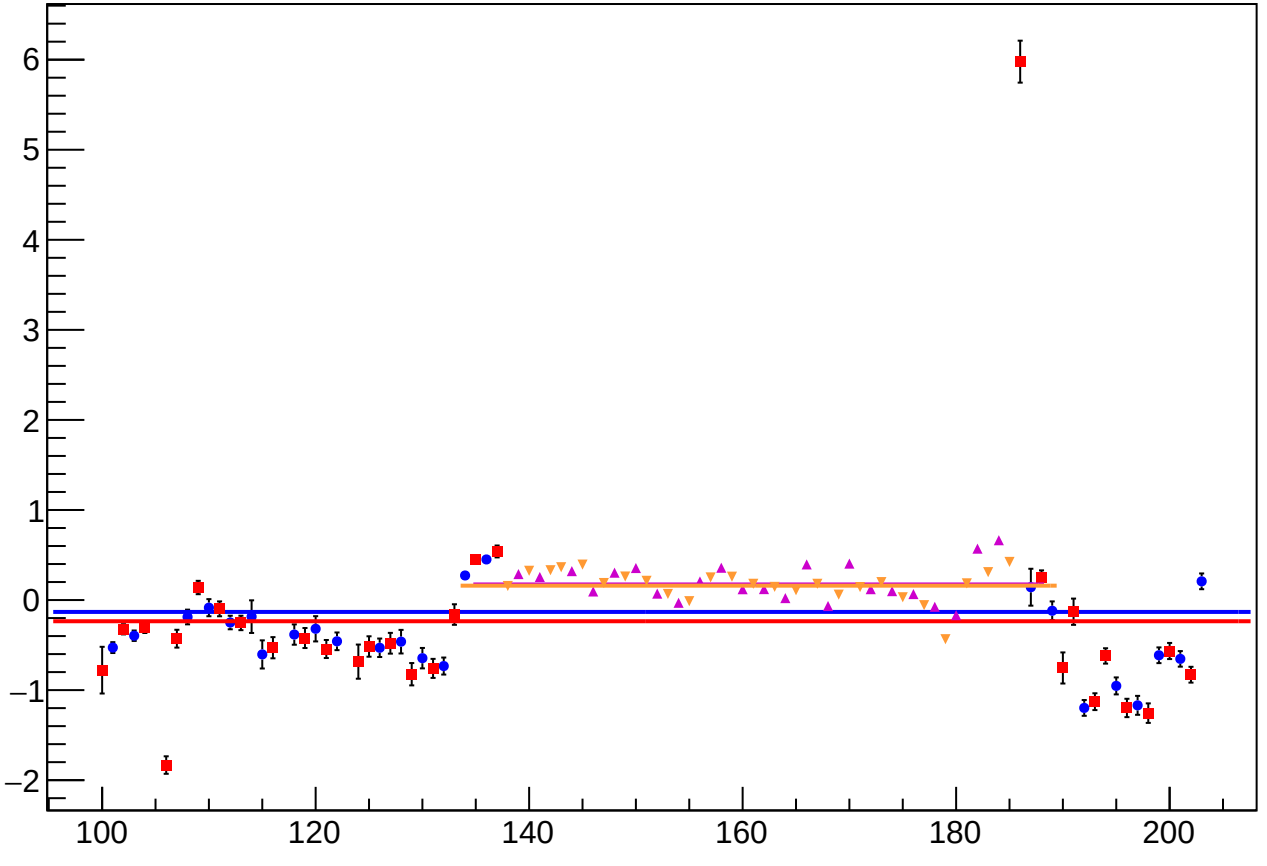
Right: 25.843+/-0.220 χ^2/NDF: 7957.5/52

In: 32.111+/-0.092 χ^2/NDF:6124.2/46

Out: 31.838+/-0.091 χ^2/NDF:7633.4/53

All: 31.972+/-0.065 χ^2/NDF: 13762.0/100

reg_asym_sam_12345678_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.132+/-0.015 χ^2/NDF: 1042.0/23

Left Out: 0.160+/-0.004 χ^2/NDF:1613.0/24

Right Out: -0.235+/-0.016 χ^2/NDF: 1950.7/28

Left In: 0.173+/-0.004 χ^2/NDF:2129.7/22

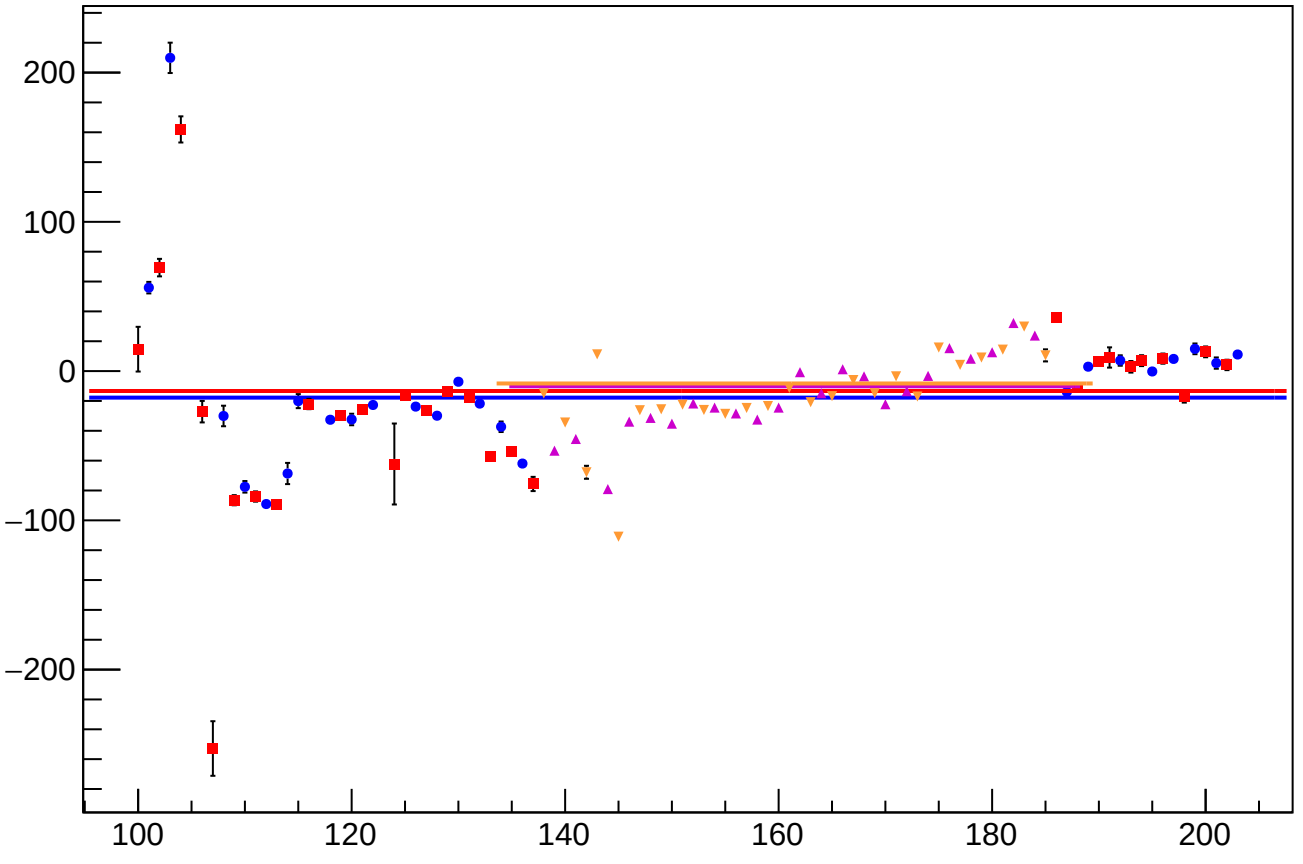
Left: 0.166+/-0.003 χ^2/NDF: 3747.7/47

Right: -0.181+/-0.011 χ^2/NDF: 3013.9/52

In: 0.151+/-0.004 χ^2/NDF:3532.3/46

Out: 0.135+/-0.004 χ^2/NDF:4112.7/53

All: 0.143+/-0.003 χ^2/NDF: 7652.8/100



Right In: -17.776+/-0.639 χ^2/NDF: 2652.7/23

Left Out: -8.298+/-0.514 χ^2/NDF:2559.6/24

Right Out: -13.340+/-0.571 χ^2/NDF: 4125.5/28

Left In: -10.183+/-0.526 χ^2/NDF:2518.4/22

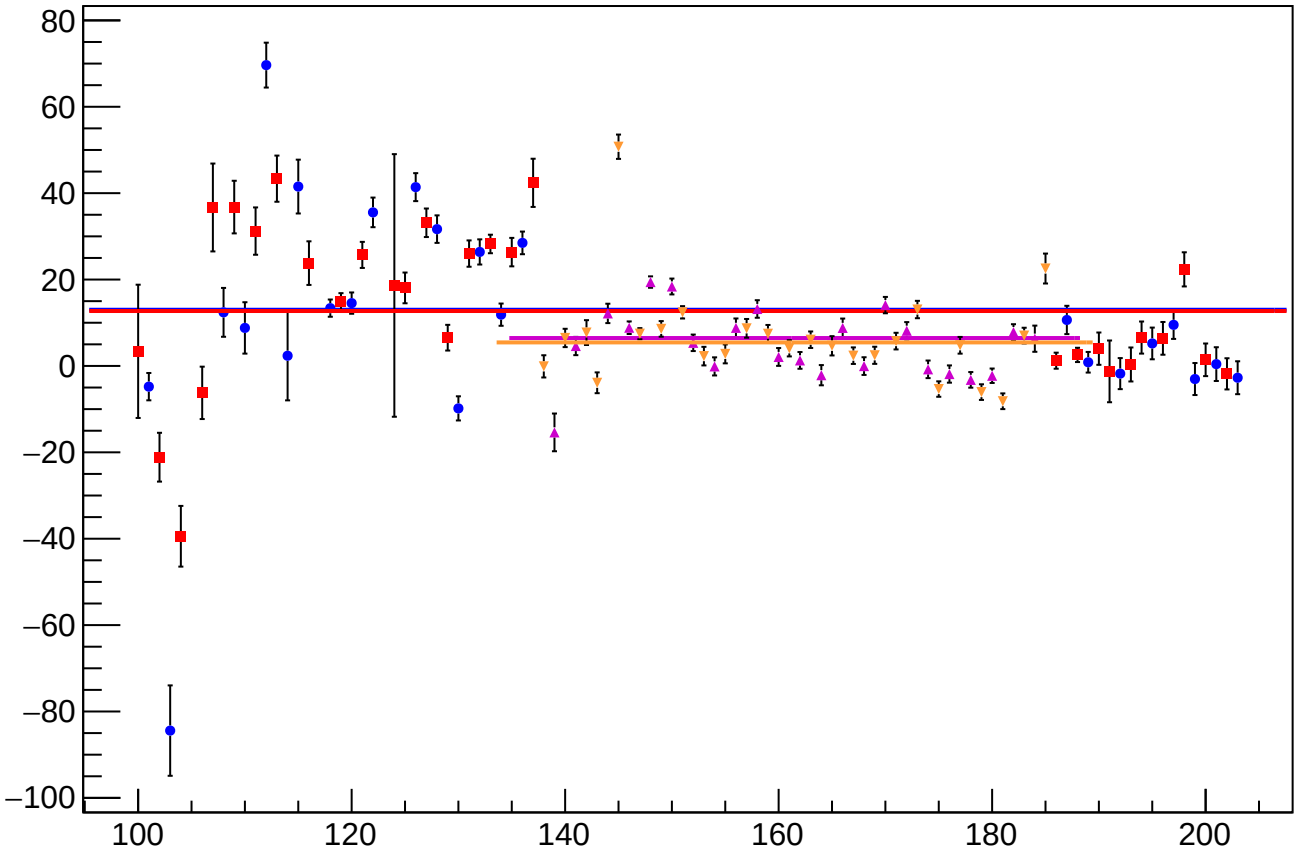
Left: -9.217+/-0.368 χ^2/NDF: 5084.6/47

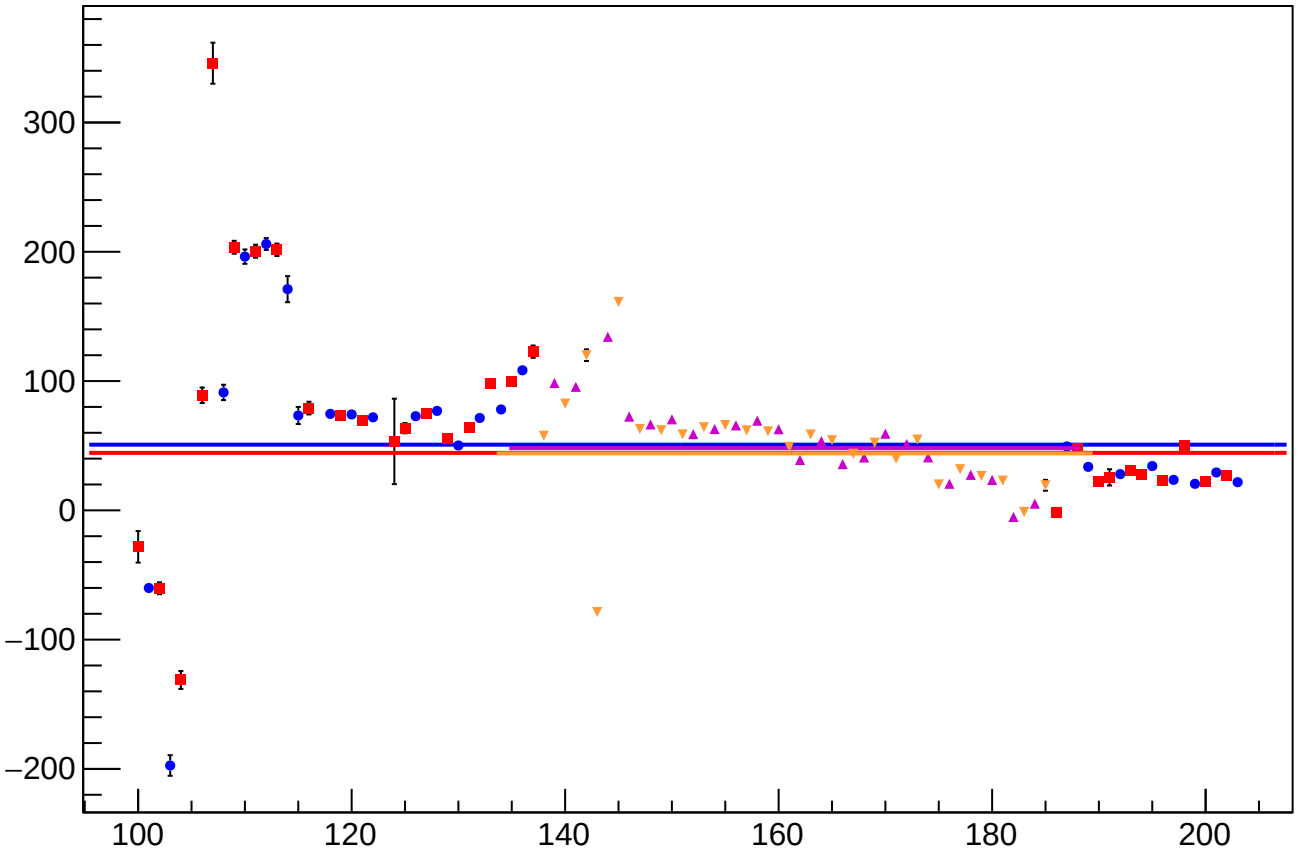
Right: -15.310+/-0.426 χ^2/NDF: 6805.1/52

In: -13.253+/-0.406 χ^2/NDF:5255.3/46

Out: -10.553+/-0.382 χ^2/NDF:6728.3/53

All: -11.820+/-0.278 χ^2/NDF: 12007.0/100


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: 13.007+/-0.674 χ²/NDF: 632.6/23
Left Out: 5.445+/-0.394 χ²/NDF:493.7/24
Right Out: 12.717+/-0.634 χ²/NDF: 484.7/28
Left In: 6.461+/-0.408 χ²/NDF:336.0/22
Left: 5.936+/-0.283 χ²/NDF: 832.9/47
Right: 12.853+/-0.462 χ²/NDF: 1117.4/52
In: 8.216+/-0.349 χ²/NDF:1037.5/46
Out: 7.472+/-0.335 χ²/NDF:1073.4/53
All: 7.828+/-0.242 χ²/NDF: 2113.2/100



Right In: 50.798+/-0.625 χ^2/NDF: 5860.9/23

Left Out: 44.040+/-0.510 χ^2/NDF:4563.8/24

Right Out: 44.461+/-0.531 χ^2/NDF: 7606.3/28

Left In: 48.076+/-0.521 χ^2/NDF:3376.5/22

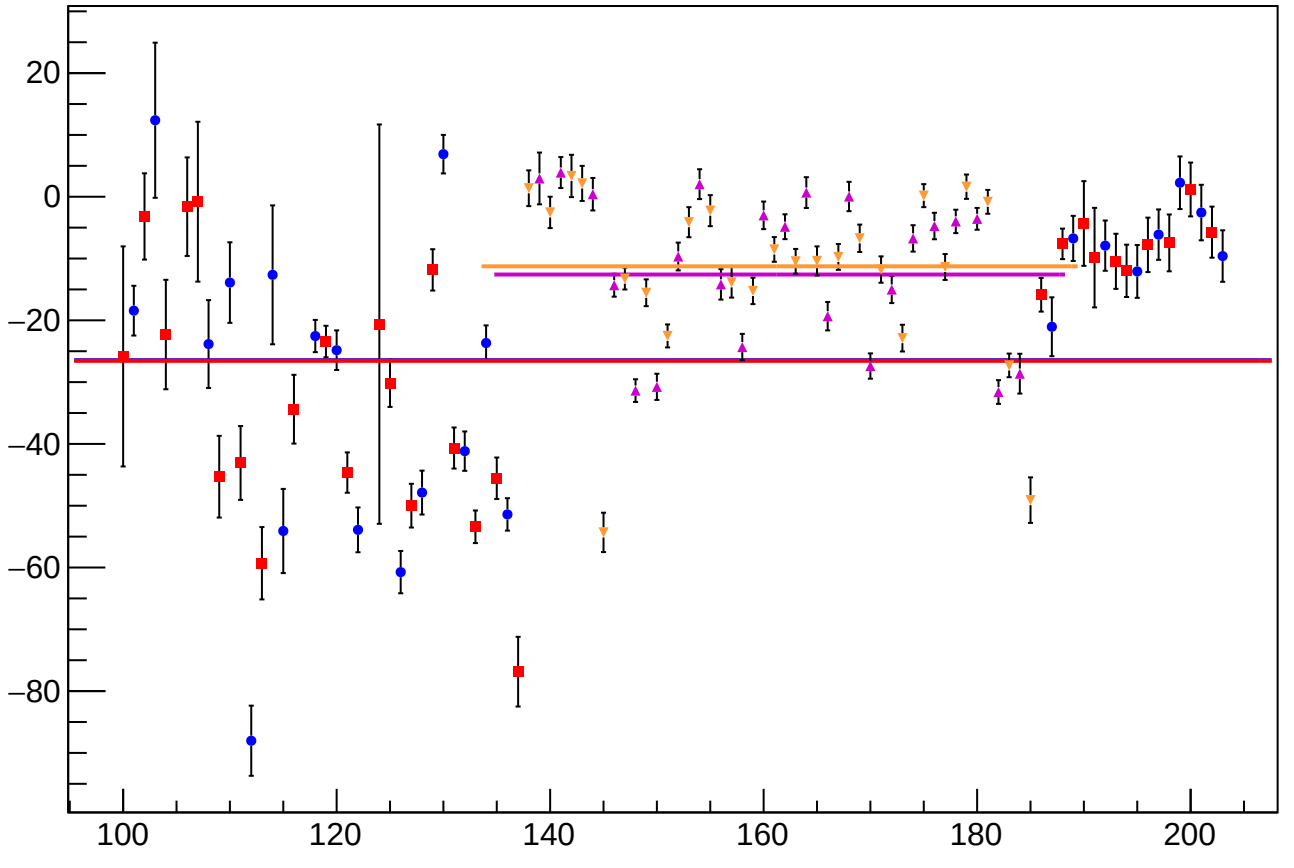
Left: 46.014+/-0.364 χ^2/NDF: 7970.9/47

Right: 47.119+/-0.405 χ^2/NDF: 13526.9/52

In: 49.193+/-0.400 χ^2/NDF:9248.6/46

Out: 44.242+/-0.368 χ^2/NDF:12170.4/53

All: 46.509+/-0.271 χ^2/NDF: 21502.0/100



Right In: -26.455+/-0.795 χ^2/NDF: 754.1/23

Left Out: -11.260+/-0.445 χ^2/NDF:643.3/24

Right Out: -26.547+/-0.775 χ^2/NDF: 619.2/28

Left In: -12.589+/-0.459 χ^2/NDF:671.8/22

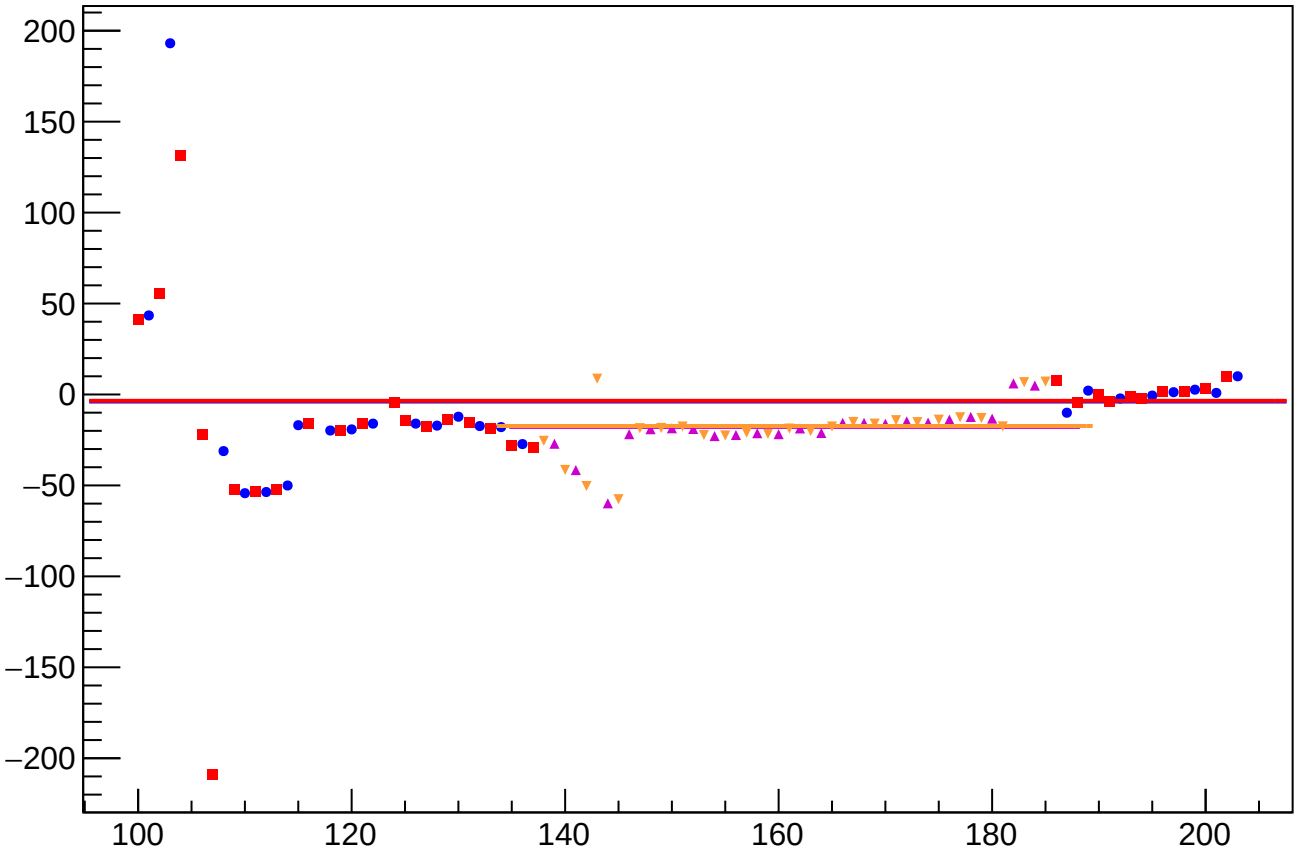
Left: -11.904+/-0.319 χ^2/NDF: 1319.4/47

Right: -26.502+/-0.555 χ^2/NDF: 1373.3/52

In: -16.056+/-0.397 χ^2/NDF:1654.3/46

Out: -15.048+/-0.386 χ^2/NDF:1555.0/53

All: -15.537+/-0.277 χ^2/NDF: 3212.6/100



Right In: -3.865+/-0.038 χ^2/NDF: 552156.7/23

Left Out: -17.330+/-0.020 χ^2/NDF:347790.9/24

Right Out: -3.486+/-0.037 χ^2/NDF: 495544.1/28

Left In: -17.829+/-0.020 χ^2/NDF:267426.0/22

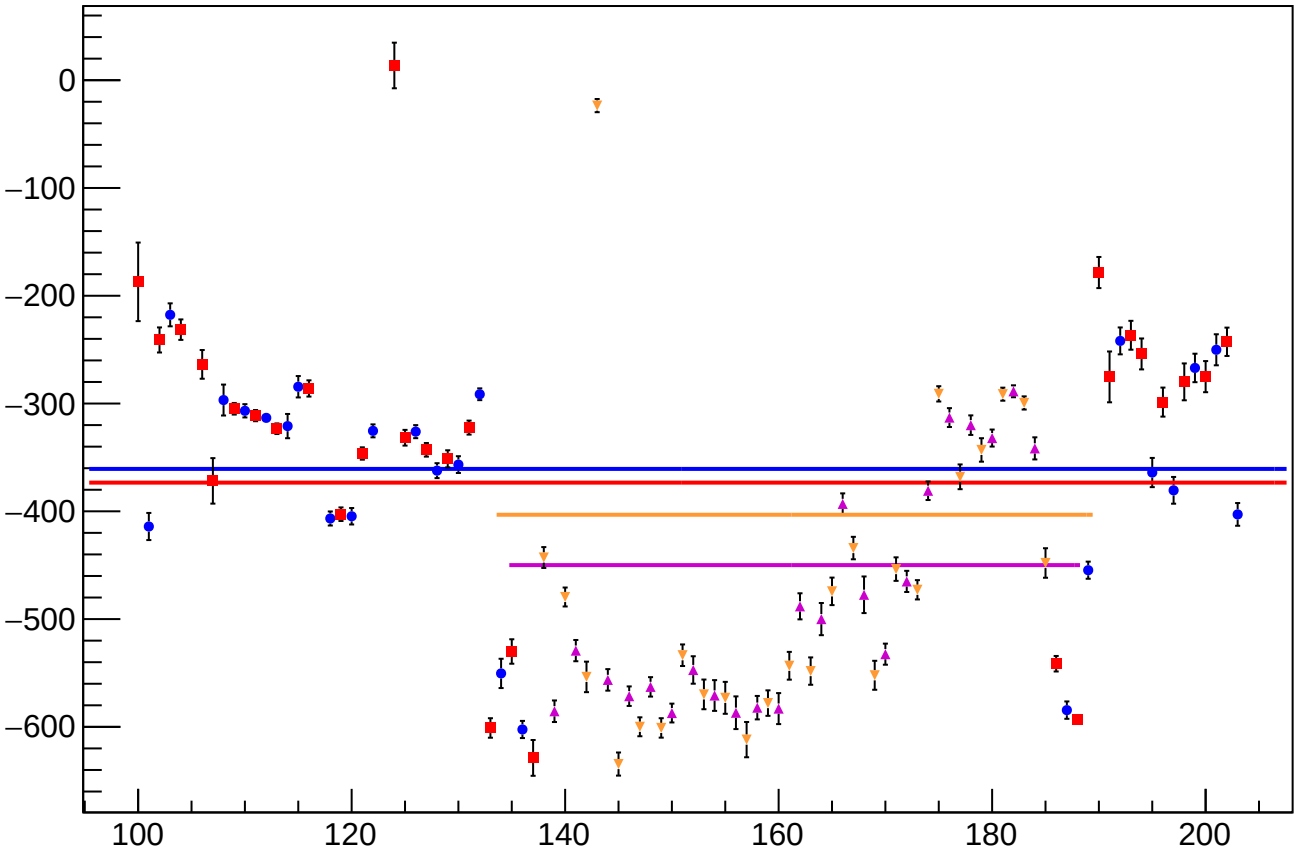
Left: -17.576+/-0.014 χ^2/NDF: 615524.8/47

Right: -3.670+/-0.026 χ^2/NDF: 1047753.0/52

In: -14.686+/-0.018 χ^2/NDF:926204.6/46

Out: -14.157+/-0.018 χ^2/NDF:953541.1/53

All: -14.416+/-0.013 χ^2/NDF: 1880192.5/100



Right In: -360.655+/-1.645 χ^2/NDF: 3030.8/23

Left Out: -403.195+/-1.928 χ^2/NDF:7750.3/24

Right Out: -373.379+/-1.520 χ^2/NDF: 6291.5/28

Left In: -449.912+/-2.043 χ^2/NDF:3218.9/22

Left: -425.194+/-1.402 χ^2/NDF: 11245.8/47

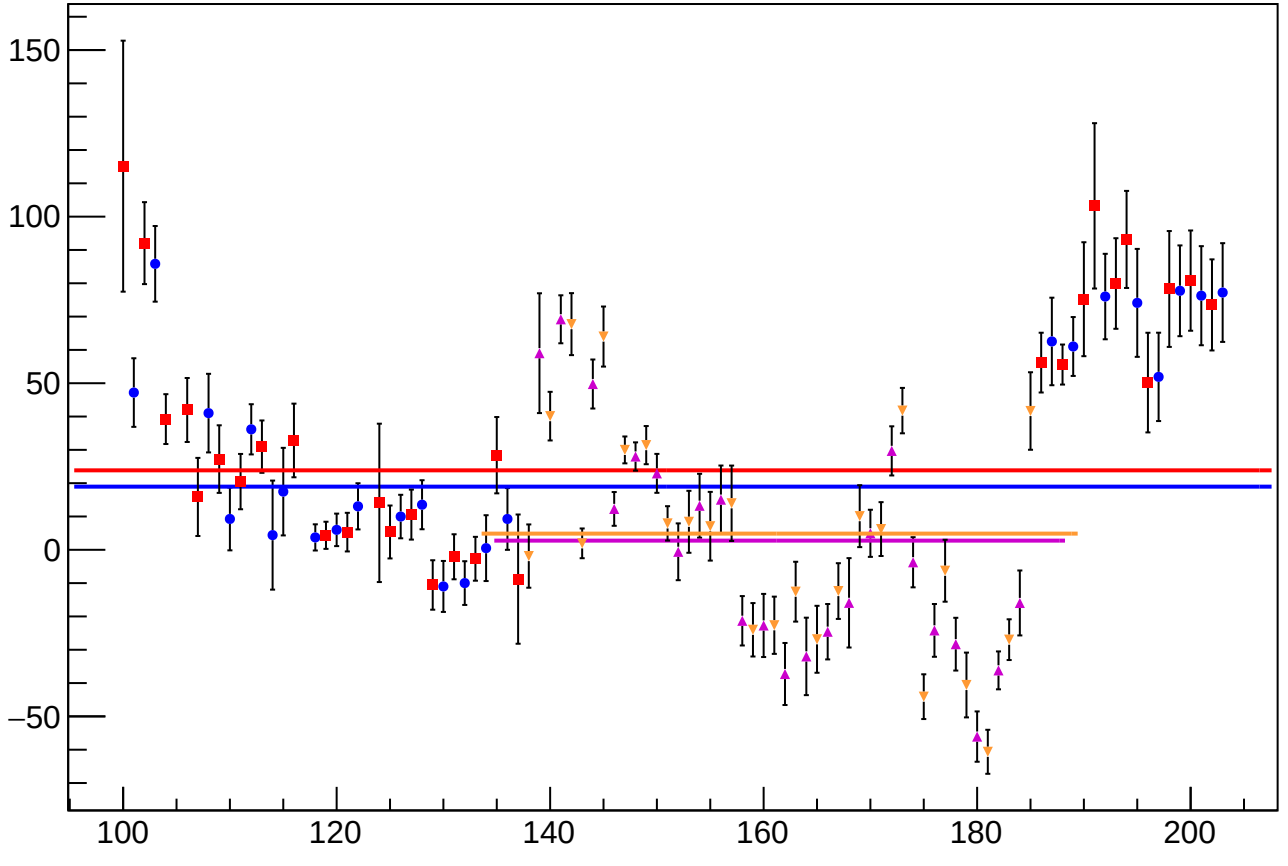
Right: -367.522+/-1.116 χ^2/NDF: 9354.6/52

In: -395.763+/-1.281 χ^2/NDF:7407.5/46

Out: -384.806+/-1.193 χ^2/NDF:14189.3/53

All: -389.895+/-0.873 χ^2/NDF: 21636.0/100

reg_asym_atl2_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 18.958+/-1.707 χ^2/NDF: 237.6/23

Left Out: 4.858+/-1.447 χ^2/NDF:457.2/24

Right Out: 23.850+/-1.658 χ^2/NDF: 284.3/28

Left In: 2.756+/-1.554 χ^2/NDF:399.6/22

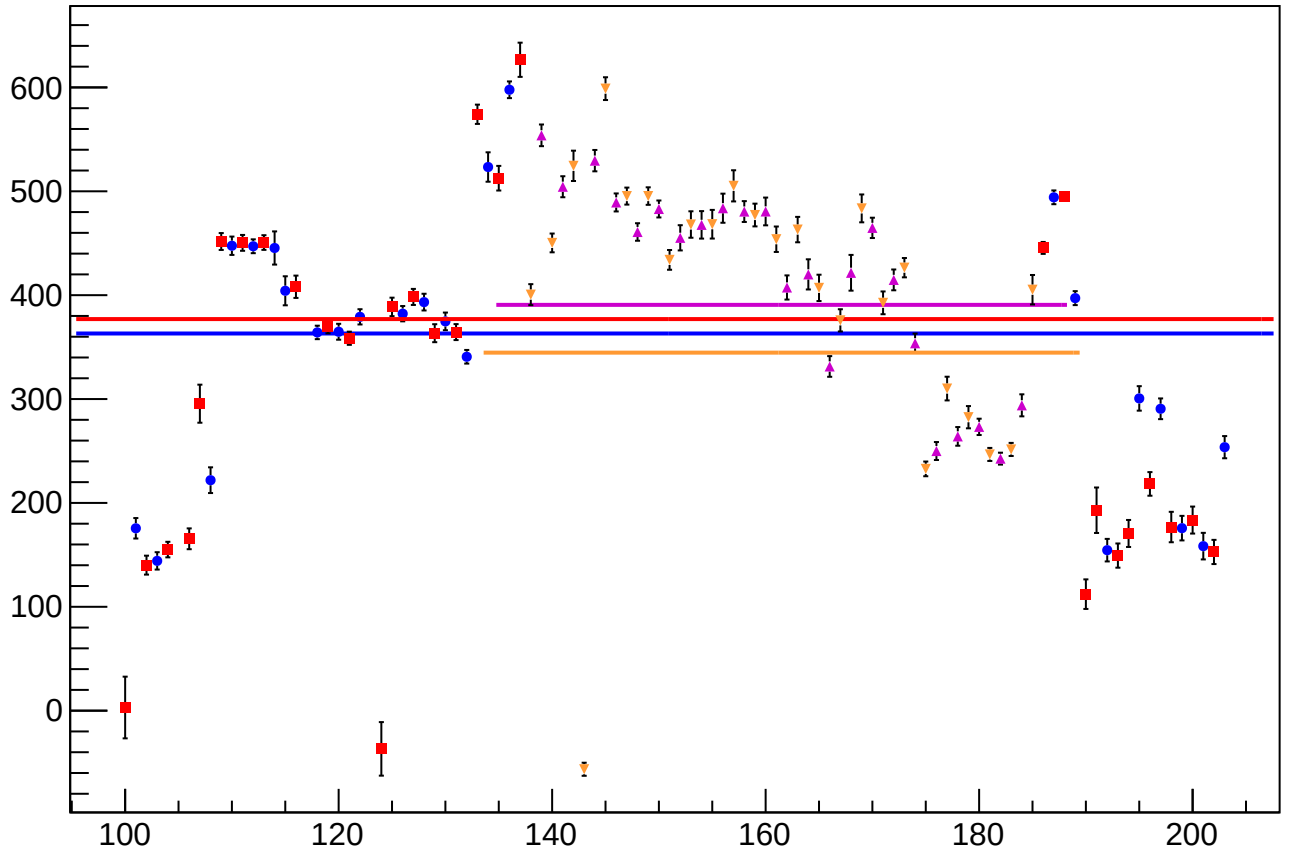
Left: 3.882+/-1.059 χ^2/NDF: 857.8/47

Right: 21.475+/-1.189 χ^2/NDF: 526.0/52

In: 10.099+/-1.149 χ^2/NDF:686.4/46

Out: 13.068+/-1.090 χ^2/NDF:815.9/53

All: 11.662+/-0.791 χ^2/NDF: 1505.8/100



Right In: 363.112+/-1.771 χ^2/NDF: 3963.2/23

Left Out: 344.680+/-1.924 χ^2/NDF:7278.2/24

Right Out: 376.985+/-1.585 χ^2/NDF: 6902.8/28

Left In: 390.672+/-2.029 χ^2/NDF:2672.8/22

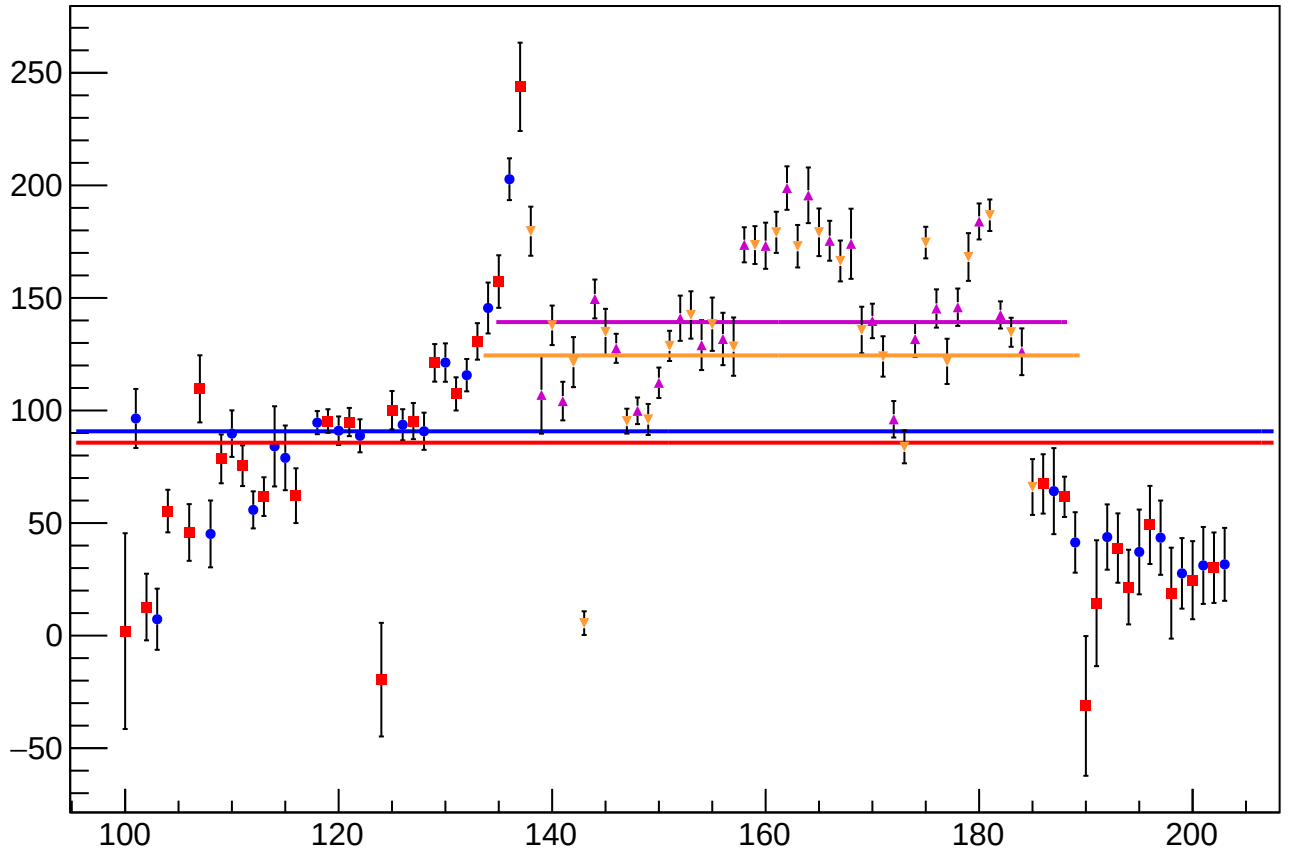
Left: 366.451+/-1.396 χ^2/NDF: 10221.5/47

Right: 370.814+/-1.181 χ^2/NDF: 10900.1/52

In: 375.026+/-1.334 χ^2/NDF:6740.7/46

Out: 363.923+/-1.223 χ^2/NDF:14348.9/53

All: 368.994+/-0.902 χ^2/NDF: 21127.2/100



Right In: 90.753+/-2.007 χ^2/NDF: 344.9/23

Left Out: 124.466+/-1.662 χ^2/NDF:937.6/24

Right Out: 85.705+/-1.960 χ^2/NDF: 345.8/28

Left In: 139.274+/-1.769 χ^2/NDF:260.9/22

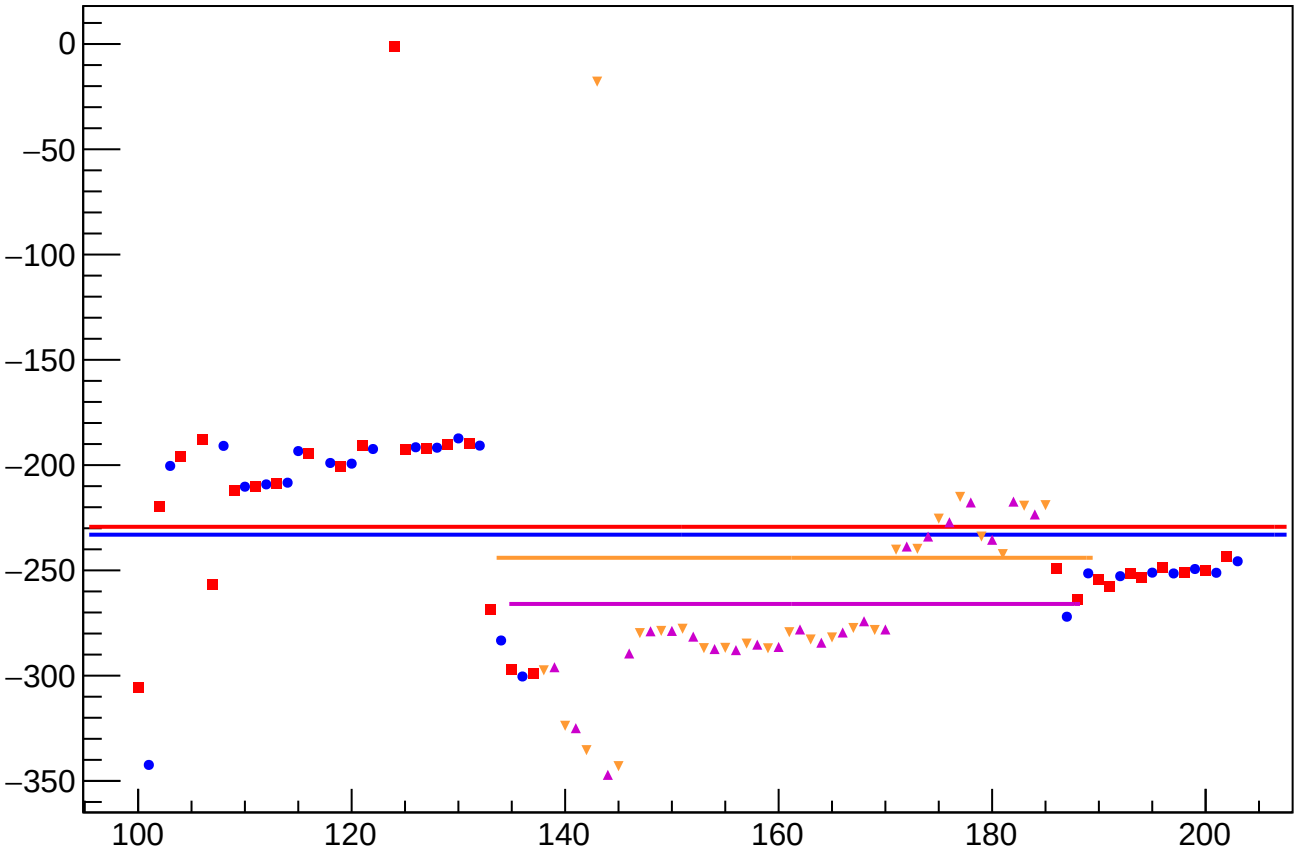
Left: 131.406+/-1.211 χ^2/NDF: 1235.7/47

Right: 88.170+/-1.402 χ^2/NDF: 693.9/52

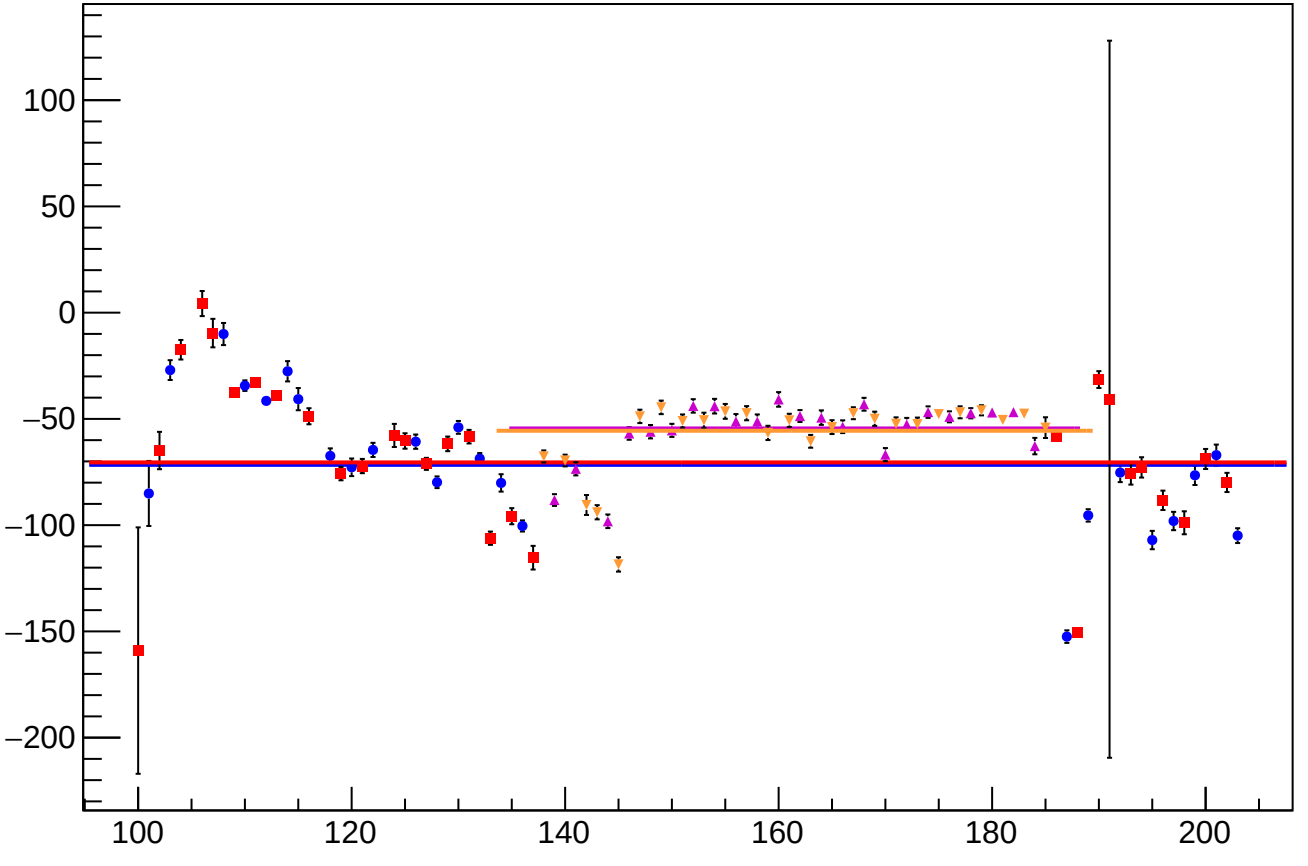
In: 118.050+/-1.327 χ^2/NDF:934.7/46

Out: 108.256+/-1.268 χ^2/NDF:1510.9/53

All: 112.929+/-0.917 χ^2/NDF: 2474.1/100


reg_asym_atl2_diff_bpm12X_slope vs Slug, Sign Corrected
0
−50
−100
−150
−200
−250
−300
−350
100
120
140
160
180
200
Right In: -233.049+/-0.112 χ²/NDF: 135575.9/23
Left Out: -244.021+/-0.077 χ²/NDF:997959.6/24
Right Out: -229.307+/-0.107 χ²/NDF: 110006.6/28
Left In: -265.945+/-0.081 χ²/NDF:169943.2/22
Left: -254.542+/-0.056 χ²/NDF: 1206480.5/47
Right: -231.078+/-0.077 χ²/NDF: 246166.5/52
In: -254.786+/-0.065 χ²/NDF:362163.5/46
Out: -238.943+/-0.063 χ²/NDF:1120459.9/53
All: -246.511+/-0.045 χ²/NDF: 1513239.1/10

reg_asym_atr1_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -71.619+/-0.705 χ^2/NDF: 1969.9/23

Left Out: -55.575+/-0.590 χ^2/NDF:686.5/24

Right Out: -70.472+/-0.623 χ^2/NDF: 3763.4/28

Left In: -54.499+/-0.606 χ^2/NDF:500.4/22

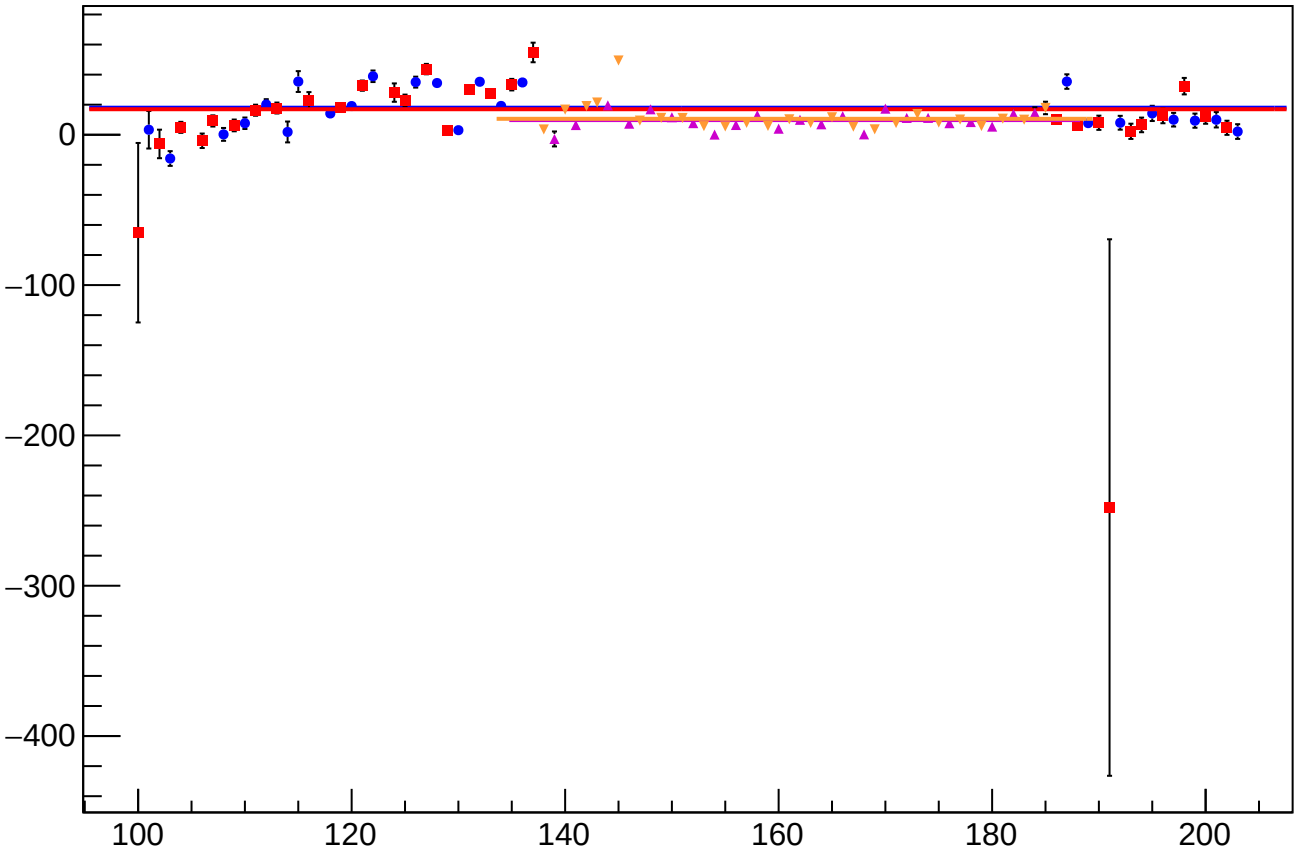
Left: -55.052+/-0.423 χ^2/NDF: 1188.5/47

Right: -70.975+/-0.467 χ^2/NDF: 5734.8/52

In: -61.779+/-0.460 χ^2/NDF:2809.4/46

Out: -62.620+/-0.428 χ^2/NDF:4751.3/53

All: -62.229+/-0.313 χ^2/NDF: 7562.5/100



Right In: 17.995+/-0.761 χ^2/NDF: 299.8/23

Left Out: 10.603+/-0.449 χ^2/NDF:255.2/24

Right Out: 16.983+/-0.695 χ^2/NDF: 309.2/28

Left In: 9.765+/-0.467 χ^2/NDF:121.0/22

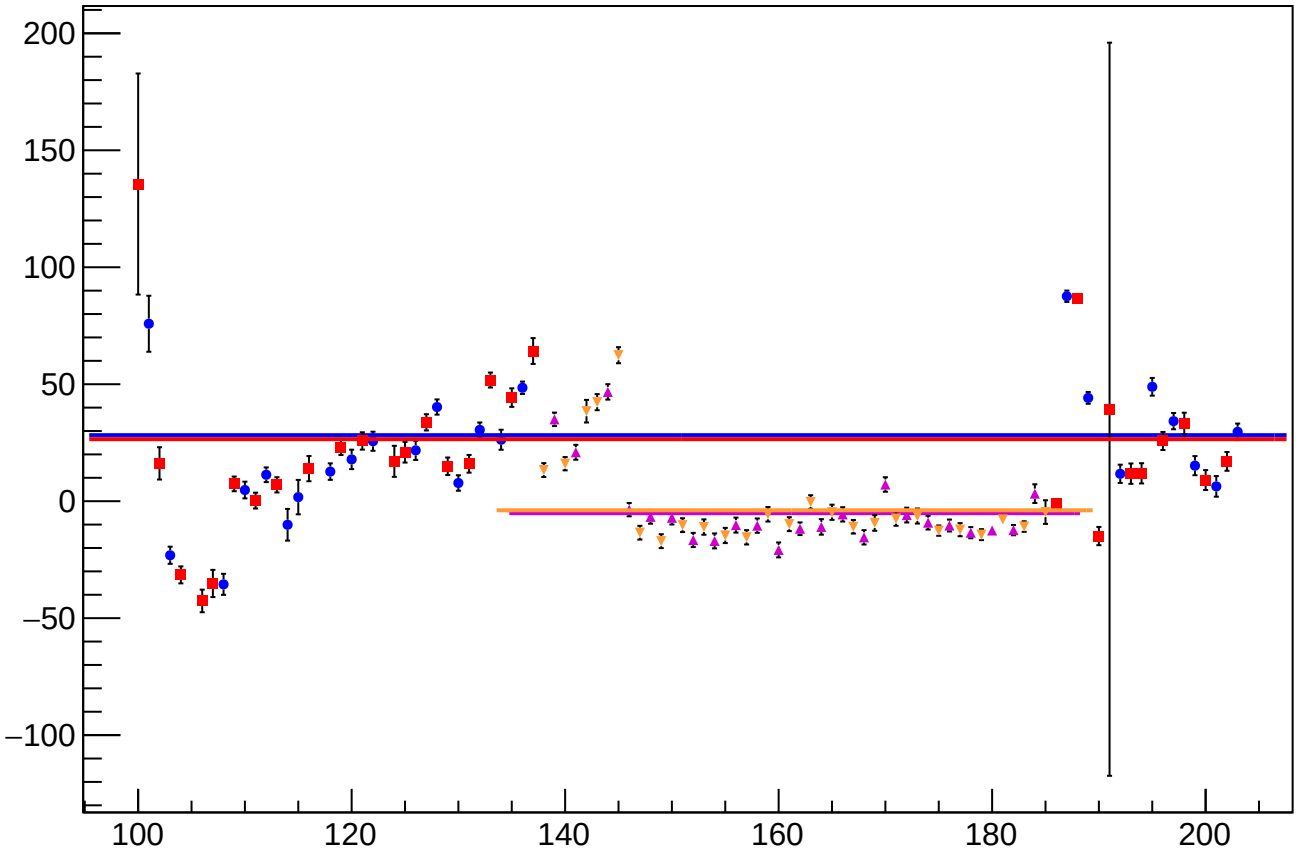
Left: 10.200+/-0.324 χ^2/NDF: 377.8/47

Right: 17.444+/-0.513 χ^2/NDF: 610.0/52

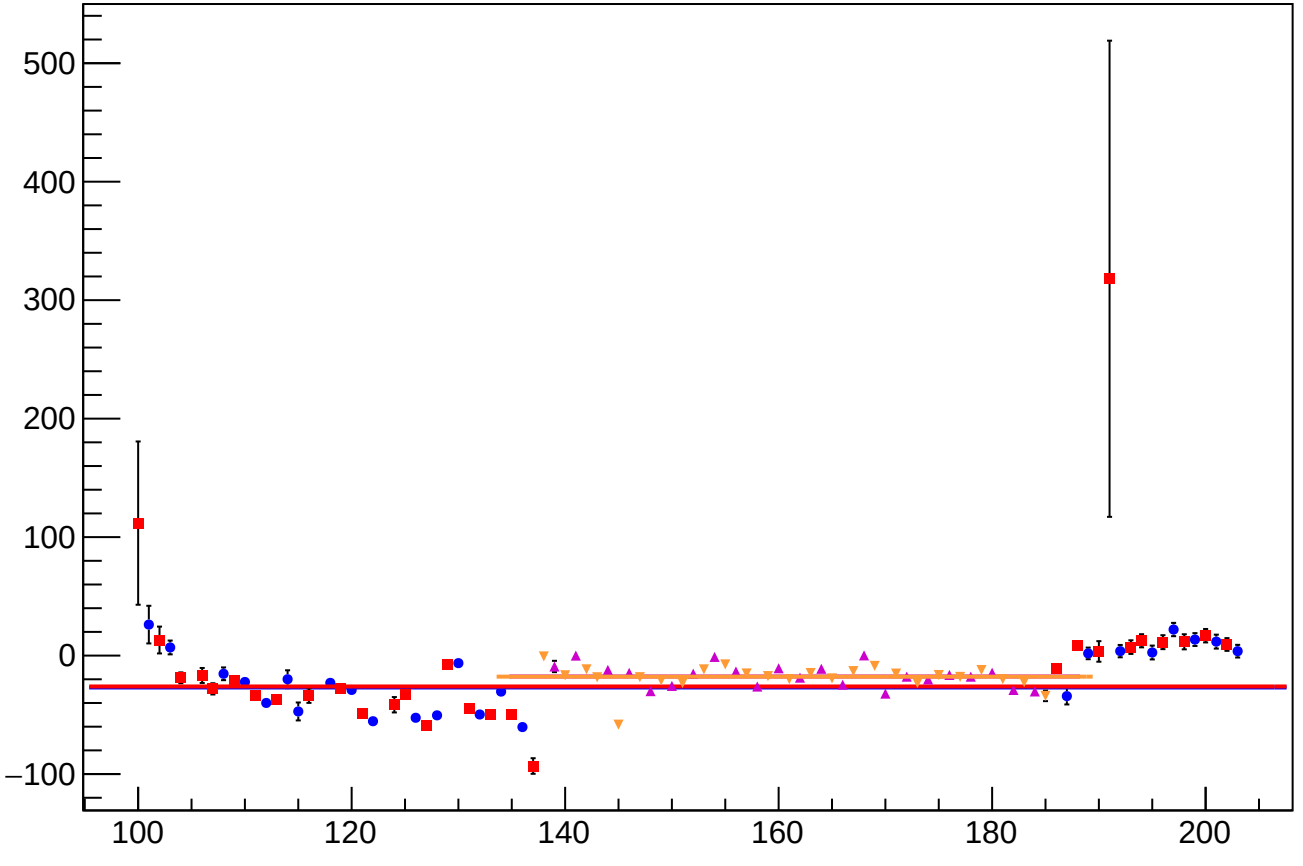
In: 12.015+/-0.398 χ^2/NDF:505.8/46

Out: 12.483+/-0.377 χ^2/NDF:623.8/53

All: 12.261+/-0.274 χ^2/NDF: 1130.3/100


reg_asym_atr1_diff_bpm4eX_slope vs Slug, Sign Corrected
200
150
100
50
0
−50
−100
100
120
140
160
180
200
Right In: 28.227+/-0.739 χ²/NDF: 1393.5/23
Left Out: -3.895+/-0.585 χ²/NDF:850.2/24
Right Out: 26.510+/-0.625 χ²/NDF: 3304.6/28
Left In: -5.124+/-0.600 χ²/NDF:649.7/22
Left: -4.494+/-0.419 χ²/NDF: 1502.0/47
Right: 27.226+/-0.477 χ²/NDF: 4701.2/52
In: 8.112+/-0.466 χ²/NDF:3271.0/46
Out: 10.299+/-0.427 χ²/NDF:5415.6/53
All: 9.300+/-0.315 χ²/NDF: 8698.6/100

reg_asym_atr1_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -26.906+/-0.885 χ^2/NDF: 714.8/23

Left Out: -17.776+/-0.509 χ^2/NDF:251.6/24

Right Out: -26.064+/-0.835 χ^2/NDF: 817.5/28

Left In: -17.643+/-0.526 χ^2/NDF:285.9/22

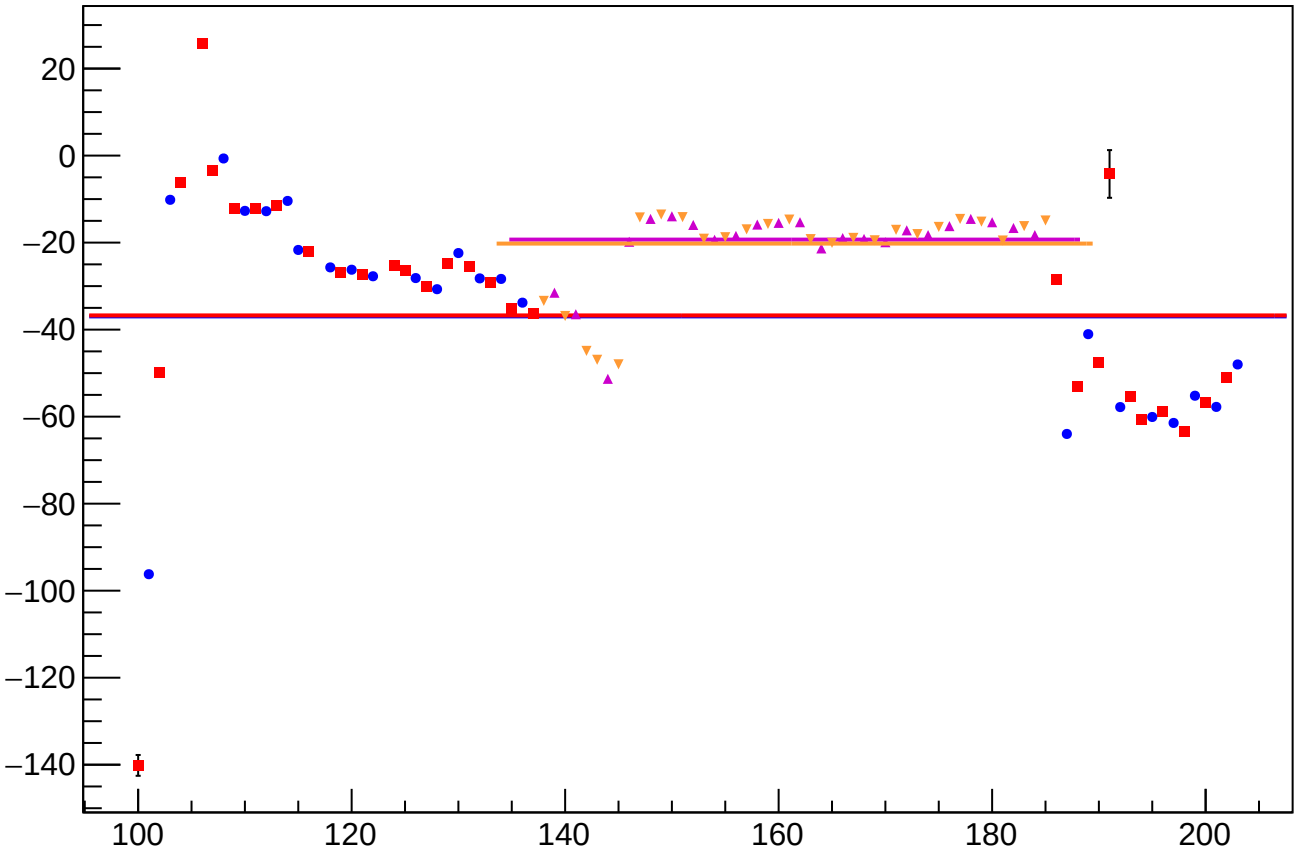
Left: -17.712+/-0.366 χ^2/NDF: 537.5/47

Right: -26.461+/-0.607 χ^2/NDF: 1532.8/52

In: -20.061+/-0.452 χ^2/NDF:1081.6/46

Out: -20.020+/-0.434 χ^2/NDF:1140.9/53

All: -20.040+/-0.313 χ^2/NDF: 2222.6/100



Right In: -36.959+/-0.044 χ^2/NDF: 197279.7/23

Left Out: -20.227+/-0.023 χ^2/NDF:147352.7/24

Right Out: -36.733+/-0.042 χ^2/NDF: 270648.6/28

Left In: -19.310+/-0.023 χ^2/NDF:93090.9/22

Left: -19.776+/-0.016 χ^2/NDF: 241234.1/47

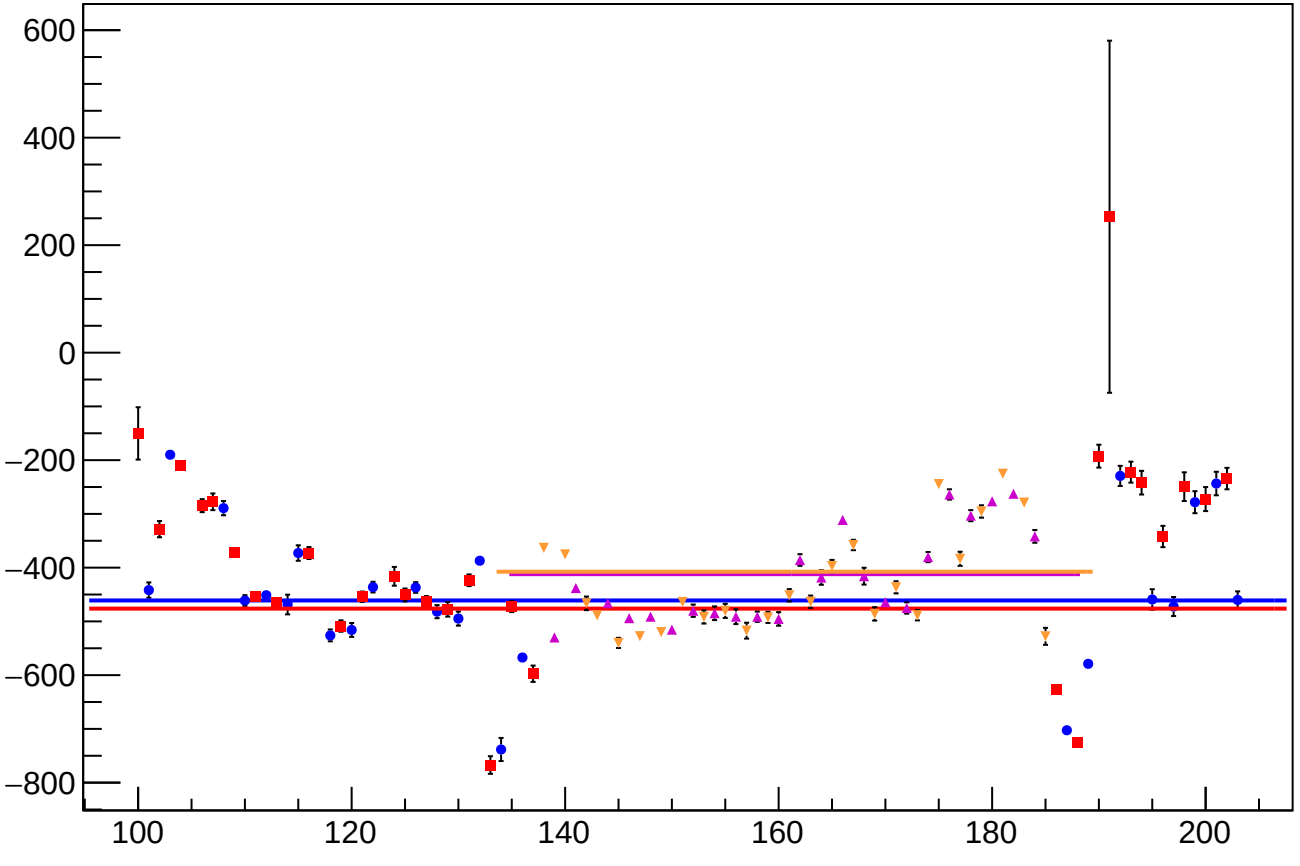
Right: -36.843+/-0.030 χ^2/NDF: 467942.1/52

In: -23.221+/-0.021 χ^2/NDF:417895.1/46

Out: -23.949+/-0.020 χ^2/NDF:535610.0/53

All: -23.592+/-0.014 χ^2/NDF: 954147.3/100

reg_asym_atr2_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -461.055+/-2.362 χ^2/NDF: 2806.2/23

Left Out: -407.554+/-1.951 χ^2/NDF:2872.6/24

Right Out: -476.240+/-2.079 χ^2/NDF: 6077.3/28

Left In: -412.102+/-2.008 χ^2/NDF:2182.3/22

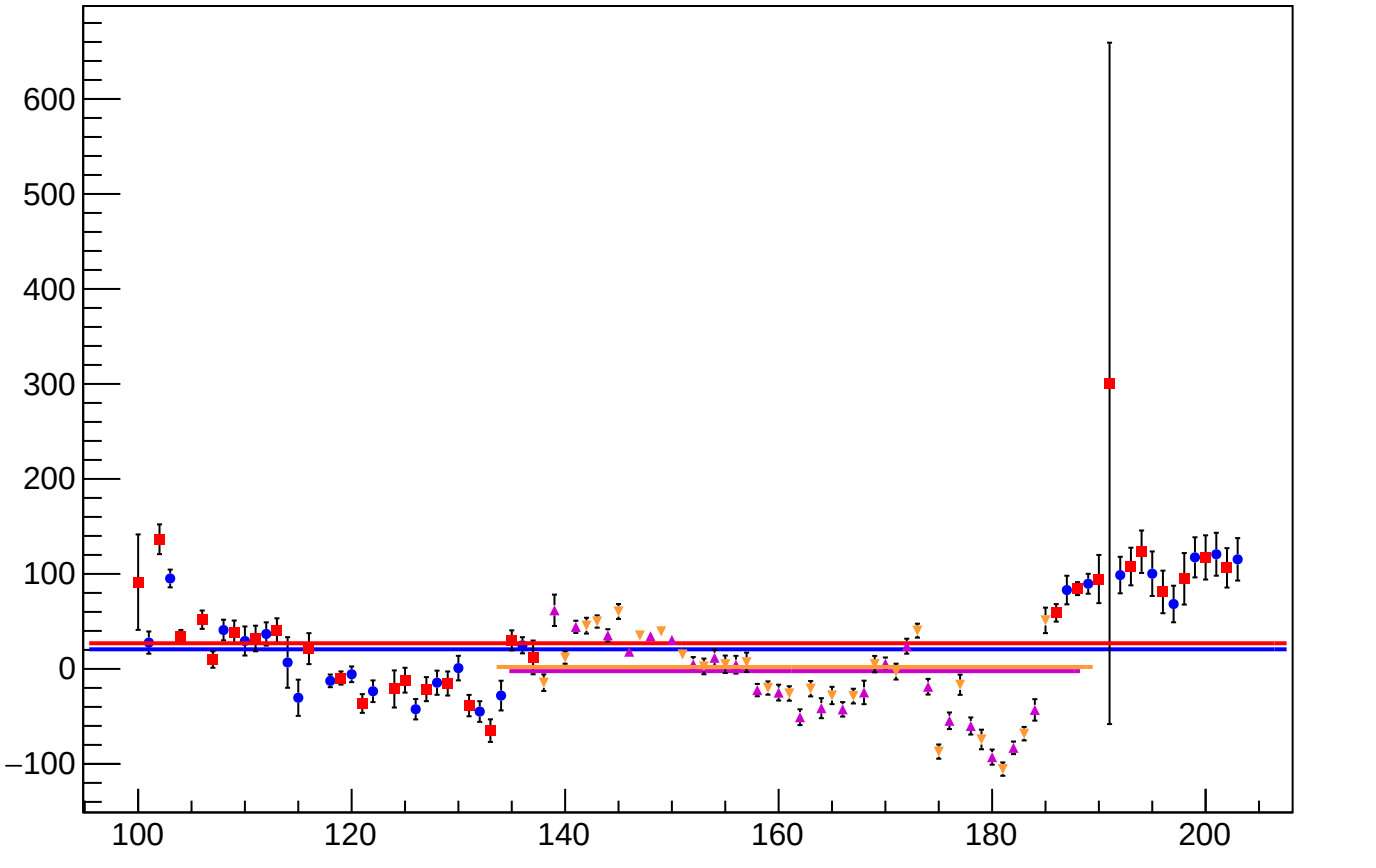
Left: -409.762+/-1.399 χ^2/NDF: 5057.5/47

Right: -469.610+/-1.561 χ^2/NDF: 8906.7/52

In: -432.644+/-1.530 χ^2/NDF:5237.8/46

Out: -439.712+/-1.423 χ^2/NDF:9530.1/53

All: -436.434+/-1.042 χ^2/NDF: 14779.4/100



Right In: 20.629+/-2.490 χ^2/NDF: 370.8/23

Left Out: 2.035+/-1.426 χ^2/NDF:910.7/24

Right Out: 26.984+/-2.237 χ^2/NDF: 436.7/28

Left In: -2.365+/-1.482 χ^2/NDF:733.4/22

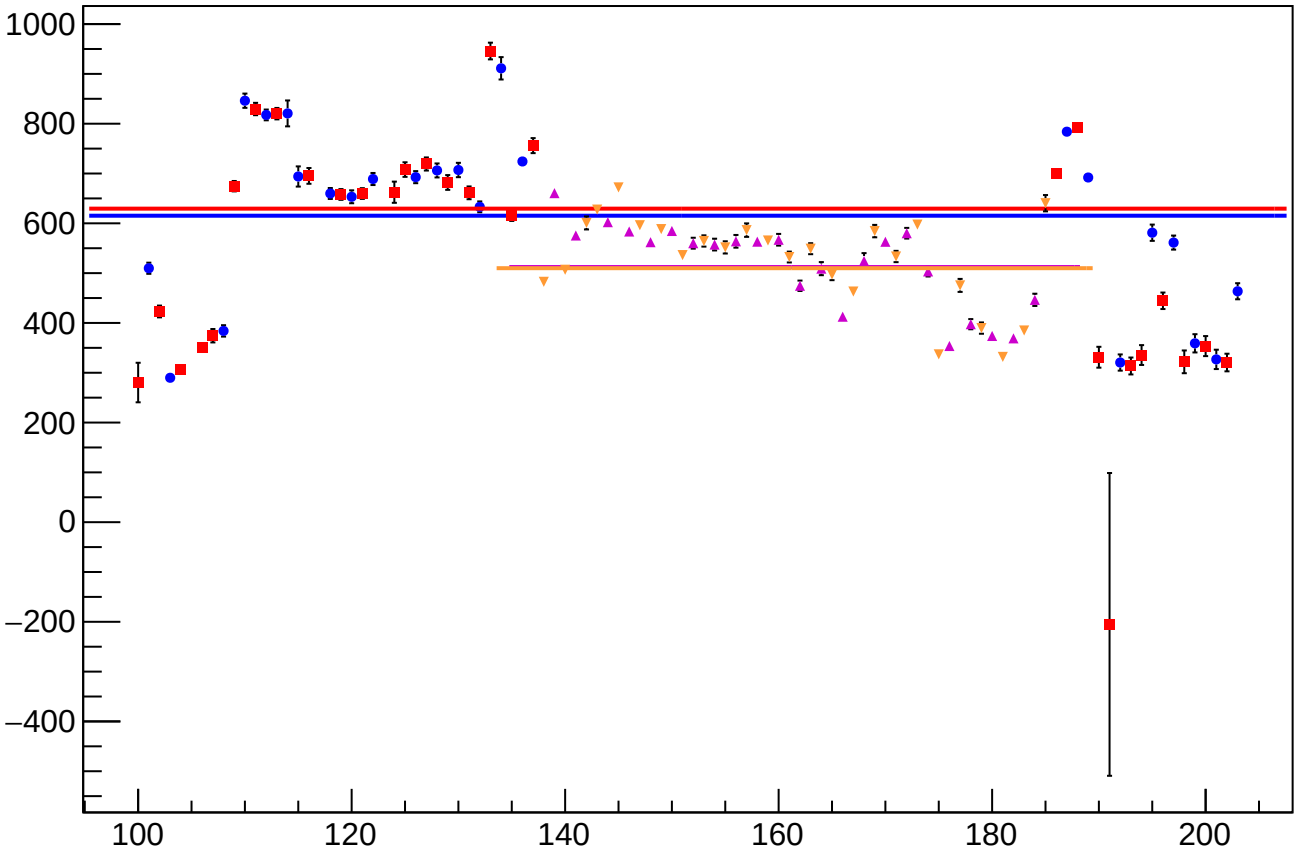
Left: -0.080+/-1.028 χ^2/NDF: 1648.7/47

Right: 24.146+/-1.664 χ^2/NDF: 811.1/52

In: 3.652+/-1.274 χ^2/NDF:1167.1/46

Out: 9.245+/-1.202 χ^2/NDF:1435.9/53

All: 6.610+/-0.874 χ^2/NDF: 2613.2/100



Right In: 615.276+/-2.388 χ^2/NDF: 5333.0/23

Left Out: 509.912+/-1.936 χ^2/NDF:2662.6/24

Right Out: 629.469+/-2.029 χ^2/NDF: 8567.2/28

Left In: 512.270+/-1.984 χ^2/NDF:2087.6/22

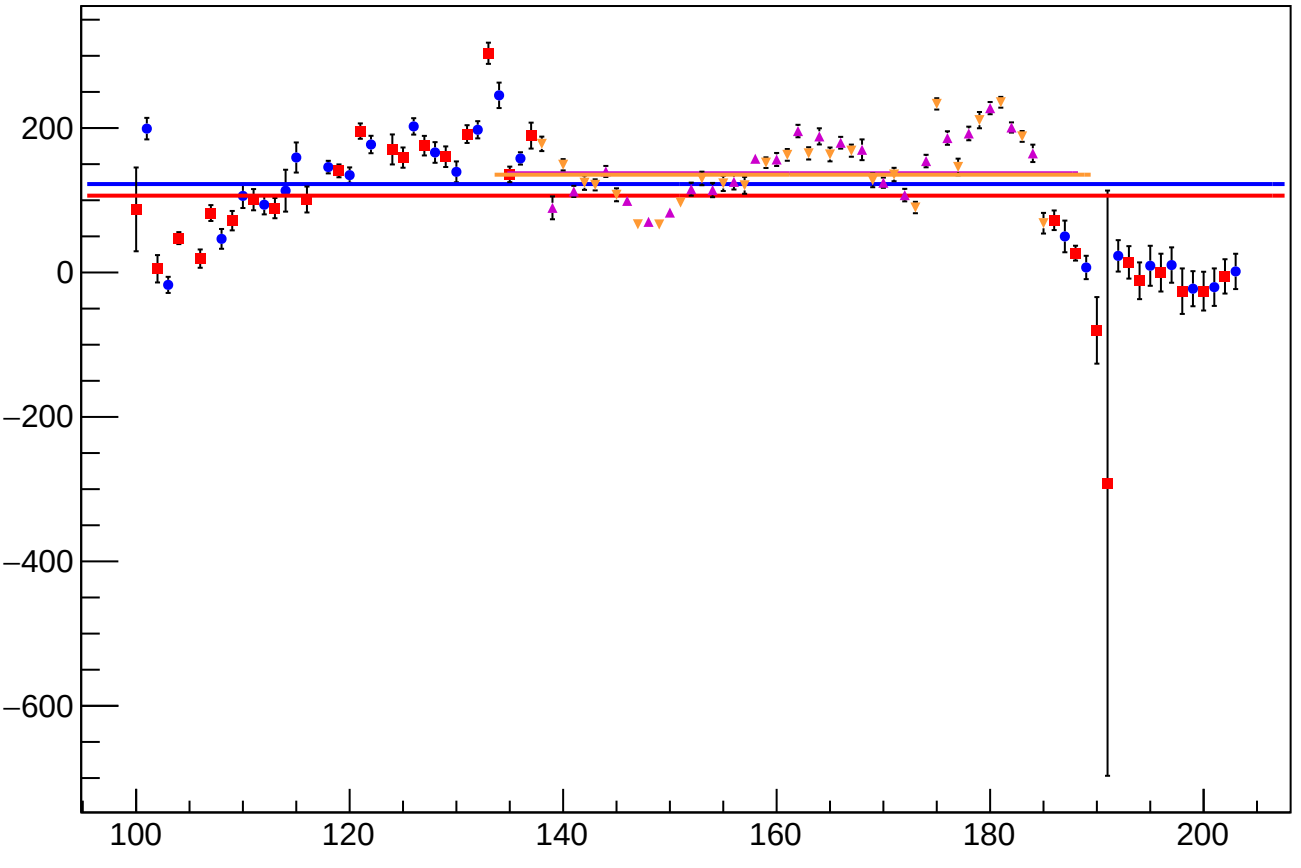
Left: 511.062+/-1.385 χ^2/NDF: 4751.0/47

Right: 623.519+/-1.546 χ^2/NDF: 13920.7/52

In: 554.328+/-1.526 χ^2/NDF:8521.4/46

Out: 566.879+/-1.401 χ^2/NDF:13047.6/53

All: 561.140+/-1.032 χ^2/NDF: 21605.7/100



Right In: 122.433+/-2.929 χ^2/NDF: 628.3/23

Left Out: 135.407+/-1.649 χ^2/NDF:923.2/24

Right Out: 106.387+/-2.699 χ^2/NDF: 748.9/28

Left In: 137.374+/-1.702 χ^2/NDF:706.0/22

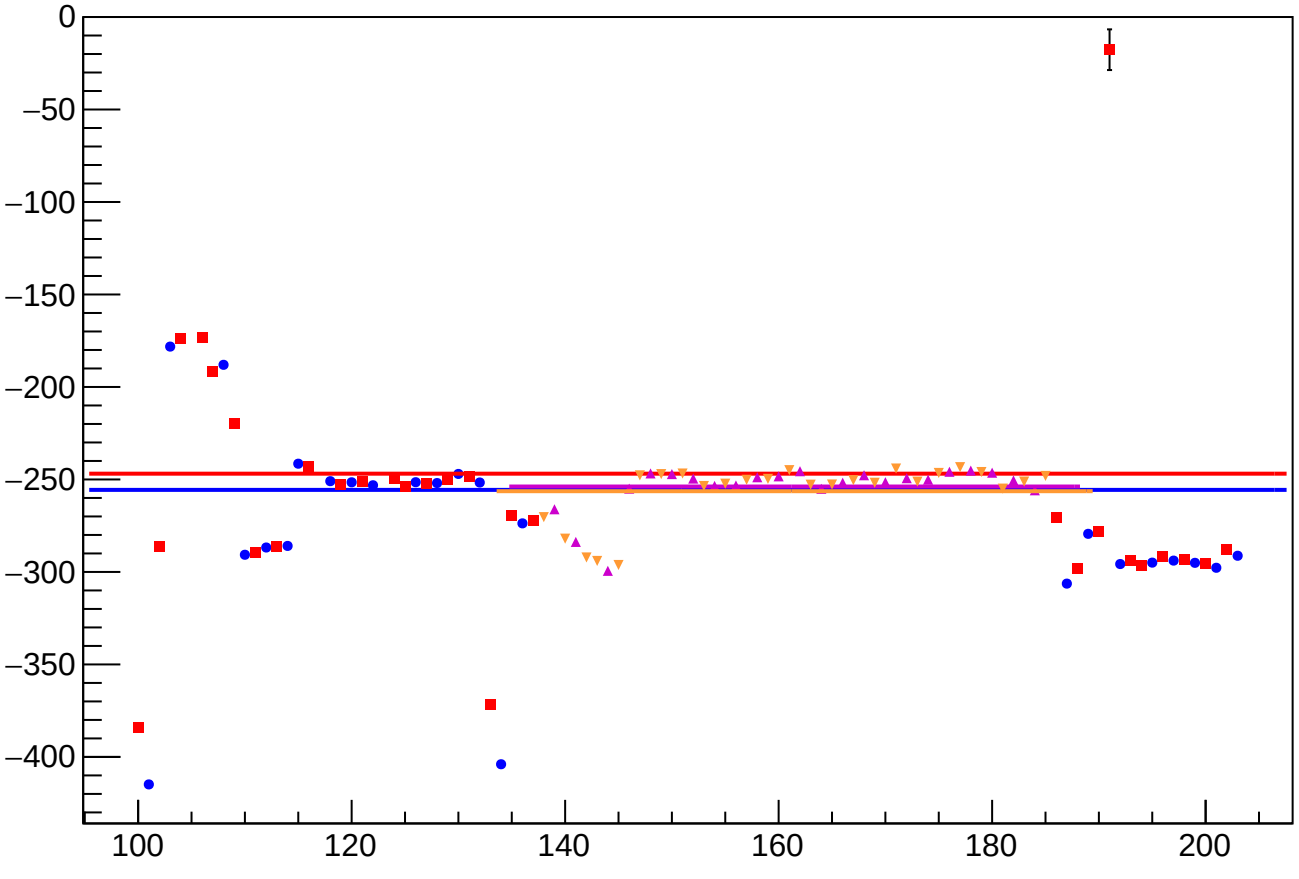
Left: 136.359+/-1.184 χ^2/NDF: 1629.8/47

Right: 113.756+/-1.985 χ^2/NDF: 1393.4/52

In: 133.602+/-1.472 χ^2/NDF:1353.7/46

Out: 127.522+/-1.407 χ^2/NDF:1756.2/53

All: 130.426+/-1.017 χ^2/NDF: 3118.8/100



Right In: -255.637+/-0.141 χ^2/NDF: 197444.2/23

Left Out: -256.344+/-0.077 χ^2/NDF:39513.4/24

Right Out: -246.875+/-0.134 χ^2/NDF: 145664.1/28

Left In: -253.817+/-0.078 χ^2/NDF:24076.7/22

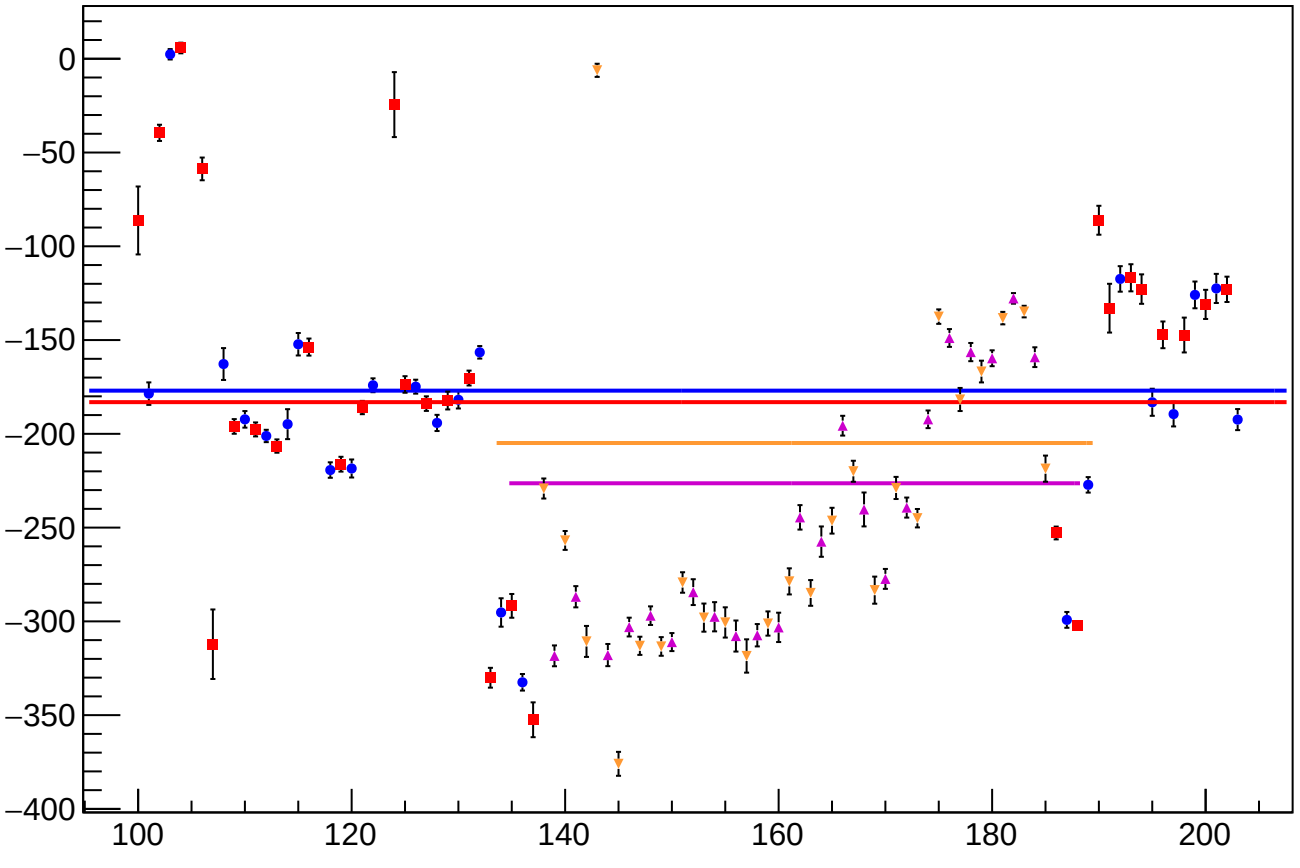
Left: -255.094+/-0.055 χ^2/NDF: 64122.7/47

Right: -251.037+/-0.097 χ^2/NDF: 345130.3/52

In: -254.241+/-0.068 χ^2/NDF:221648.3/46

Out: -254.001+/-0.067 χ^2/NDF:188918.7/53

All: -254.119+/-0.048 χ^2/NDF: 410573.2/100



Right In: -176.973+/-0.949 χ^2/NDF: 7147.8/23

Left Out: -204.891+/-1.052 χ^2/NDF:7826.3/24

Right Out: -183.102+/-0.868 χ^2/NDF: 11355.9/28

Left In: -226.365+/-1.105 χ^2/NDF:4219.0/22

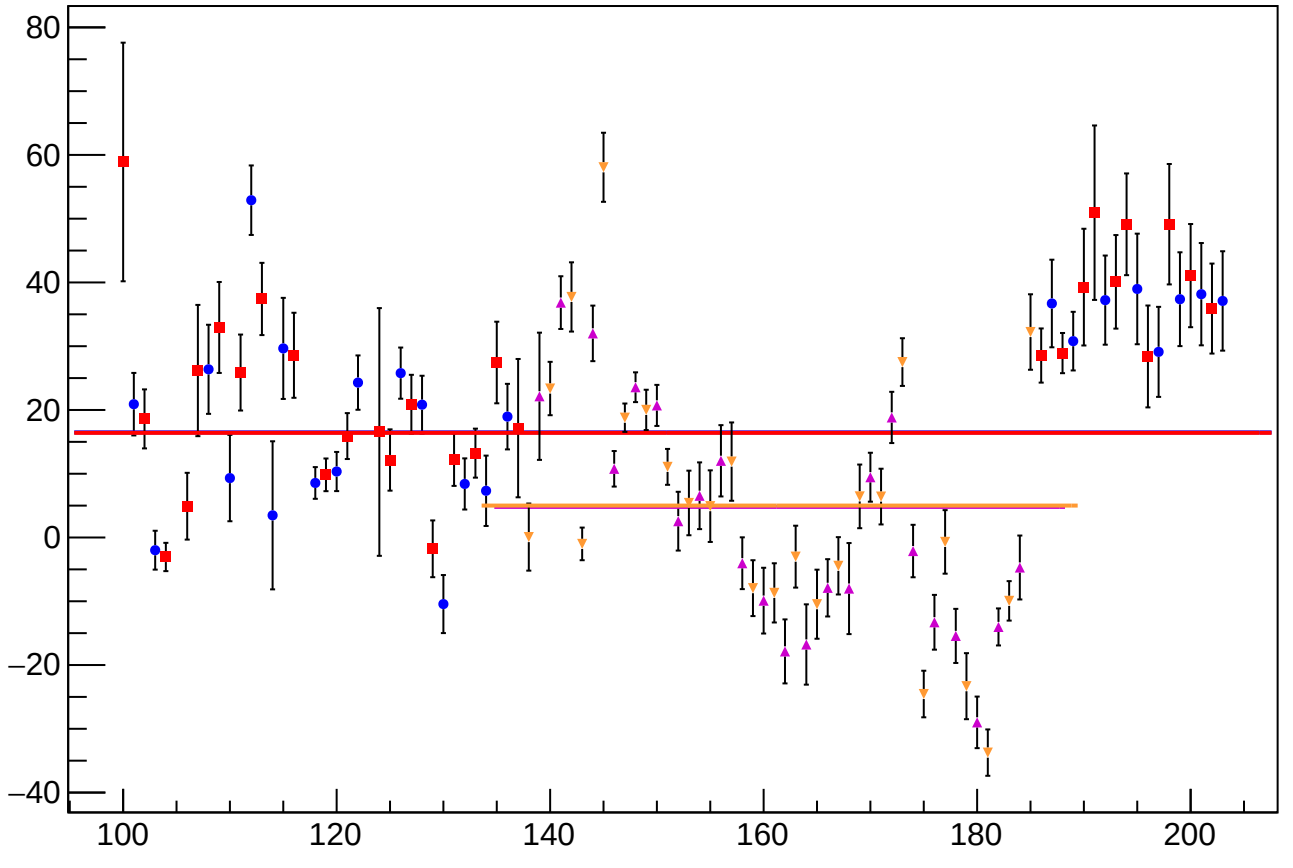
Left: -215.101+/-0.762 χ^2/NDF: 12243.4/47

Right: -180.311+/-0.640 χ^2/NDF: 18526.5/52

In: -197.939+/-0.720 χ^2/NDF:12516.8/46

Out: -191.924+/-0.669 χ^2/NDF:19437.5/53

All: -194.713+/-0.490 χ^2/NDF: 31991.8/100



Right In: 16.485+/-0.983 χ^2/NDF: 214.6/23

Left Out: 5.006+/-0.793 χ^2/NDF:548.5/24

Right Out: 16.414+/-0.912 χ^2/NDF: 237.8/28

Left In: 4.799+/-0.846 χ^2/NDF:426.3/22

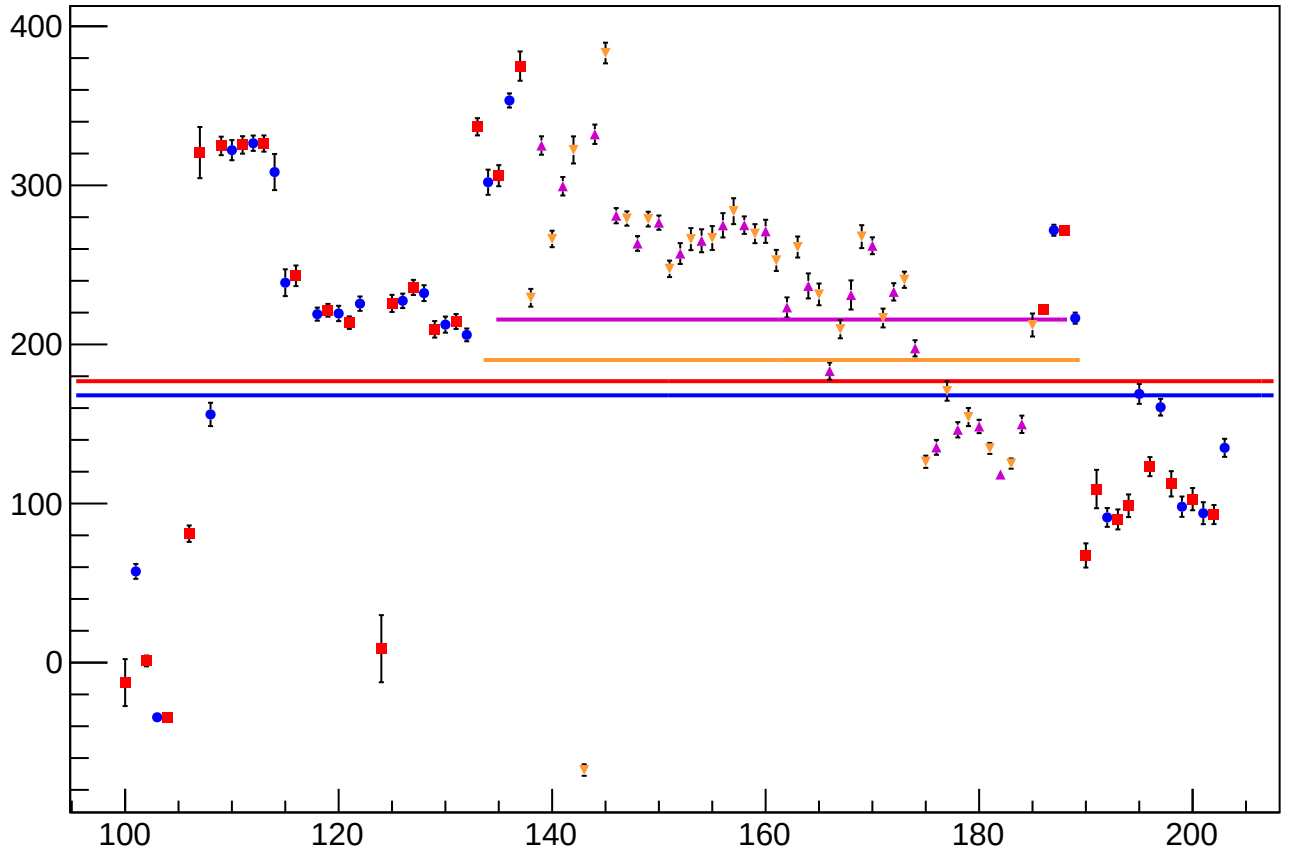
Left: 4.909+/-0.579 χ^2/NDF: 974.8/47

Right: 16.447+/-0.668 χ^2/NDF: 452.4/52

In: 9.777+/-0.641 χ^2/NDF:722.1/46

Out: 9.920+/-0.599 χ^2/NDF:875.3/53

All: 9.854+/-0.438 χ^2/NDF: 1597.4/100



Right In: 168.017+/-0.952 χ^2/NDF: 15522.7/23

Left Out: 190.219+/-1.050 χ^2/NDF:9384.0/24

Right Out: 176.910+/-0.842 χ^2/NDF: 20824.7/28

Left In: 215.649+/-1.098 χ^2/NDF:3886.0/22

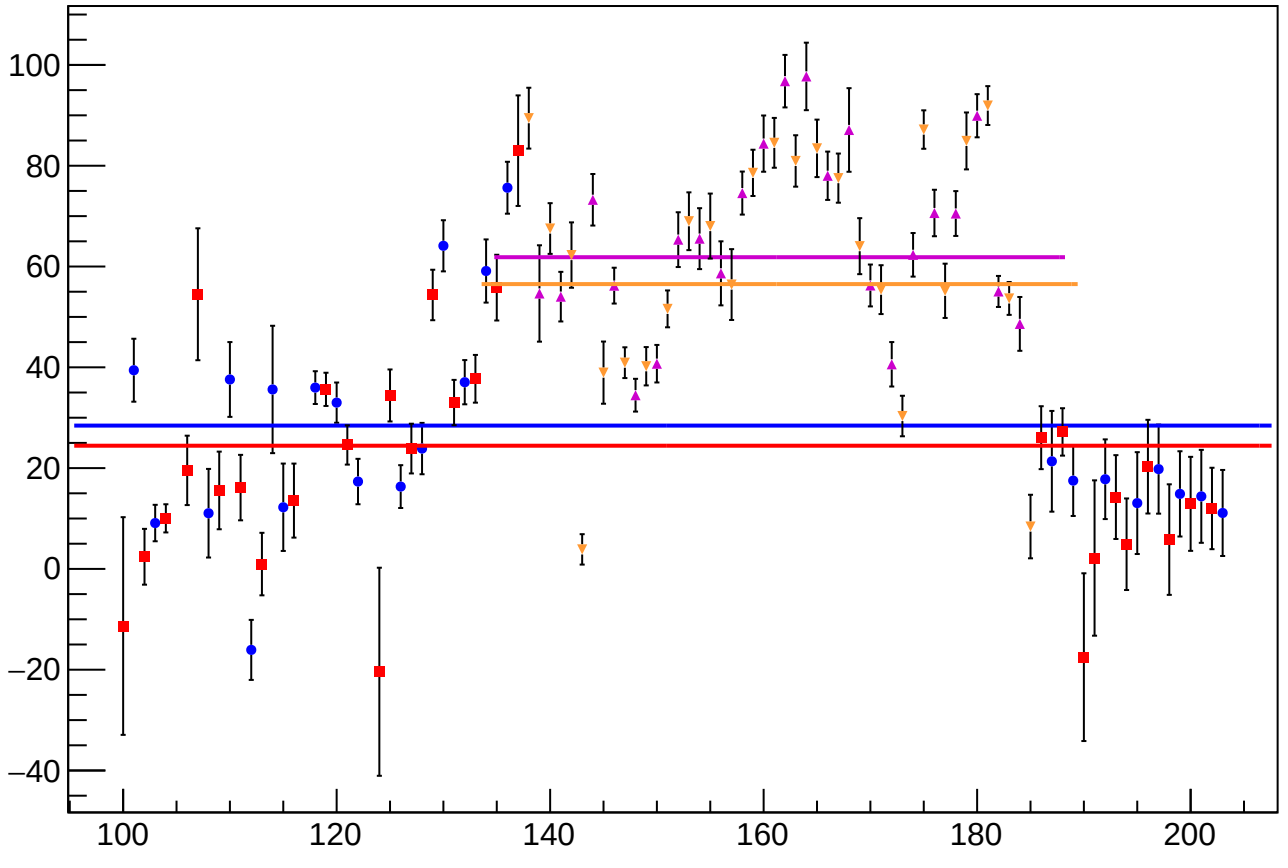
Left: 202.363+/-0.759 χ^2/NDF: 13550.1/47

Right: 173.011+/-0.631 χ^2/NDF: 36396.3/52

In: 188.459+/-0.720 χ^2/NDF:20482.4/46

Out: 182.116+/-0.657 χ^2/NDF:30306.4/53

All: 184.998+/-0.485 χ^2/NDF: 50831.2/100



Right In: 28.437+/-1.159 χ^2/NDF: 296.7/23

Left Out: 56.514+/-0.909 χ^2/NDF:798.9/24

Right Out: 24.444+/-1.097 χ^2/NDF: 211.2/28

Left In: 61.850+/-0.961 χ^2/NDF:320.7/22

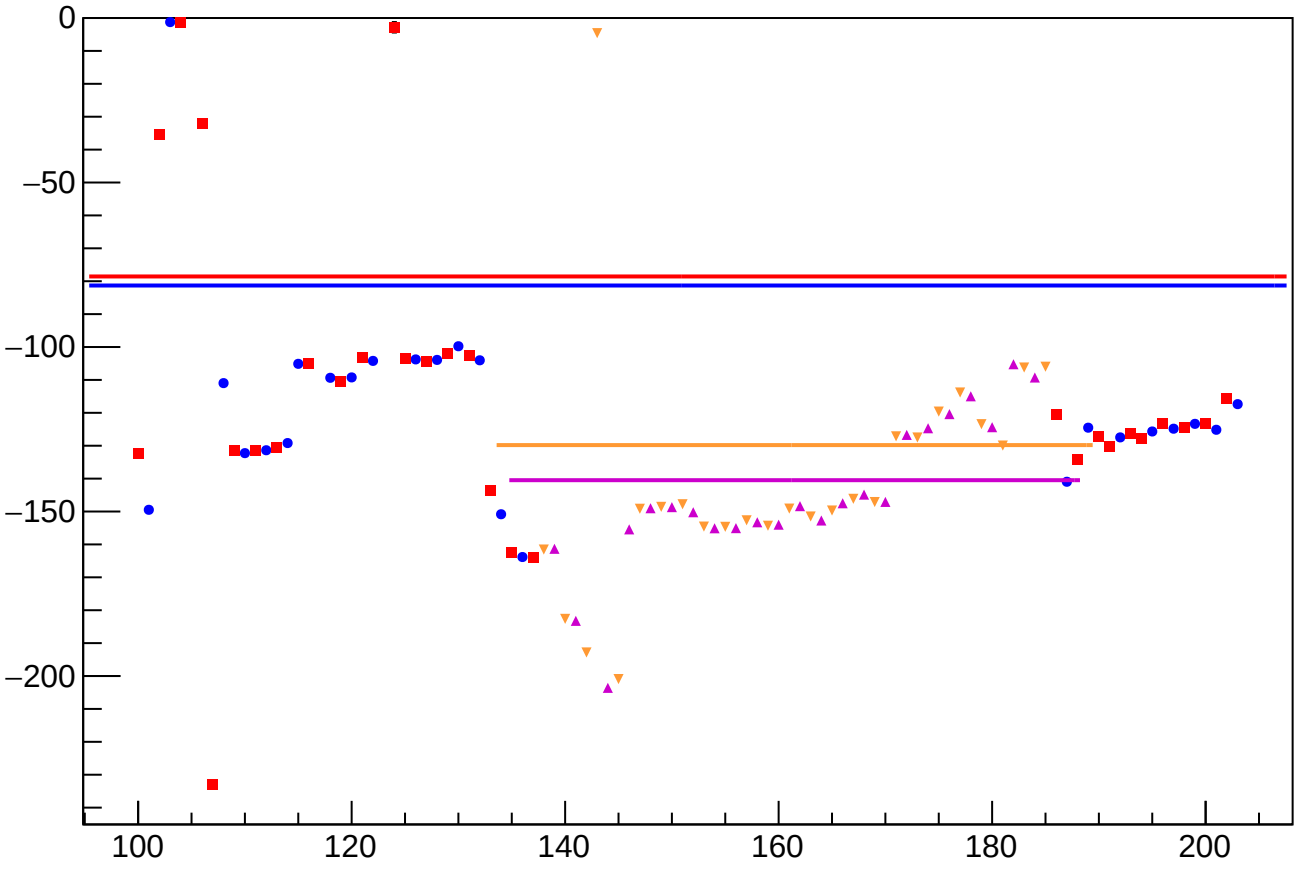
Left: 59.032+/-0.661 χ^2/NDF: 1135.8/47

Right: 26.330+/-0.797 χ^2/NDF: 514.2/52

In: 48.237+/-0.740 χ^2/NDF:1109.5/46

Out: 43.453+/-0.700 χ^2/NDF:1517.0/53

All: 45.711+/-0.508 χ^2/NDF: 2648.5/100



Right In: -81.304+/-0.054 χ^2/NDF: 1290905.3/23

Left Out: -129.810+/-0.042 χ^2/NDF:1025155.0/24

Right Out: -78.554+/-0.052 χ^2/NDF: 1239886.3/28

Left In: -140.477+/-0.044 χ^2/NDF:254660.0/22

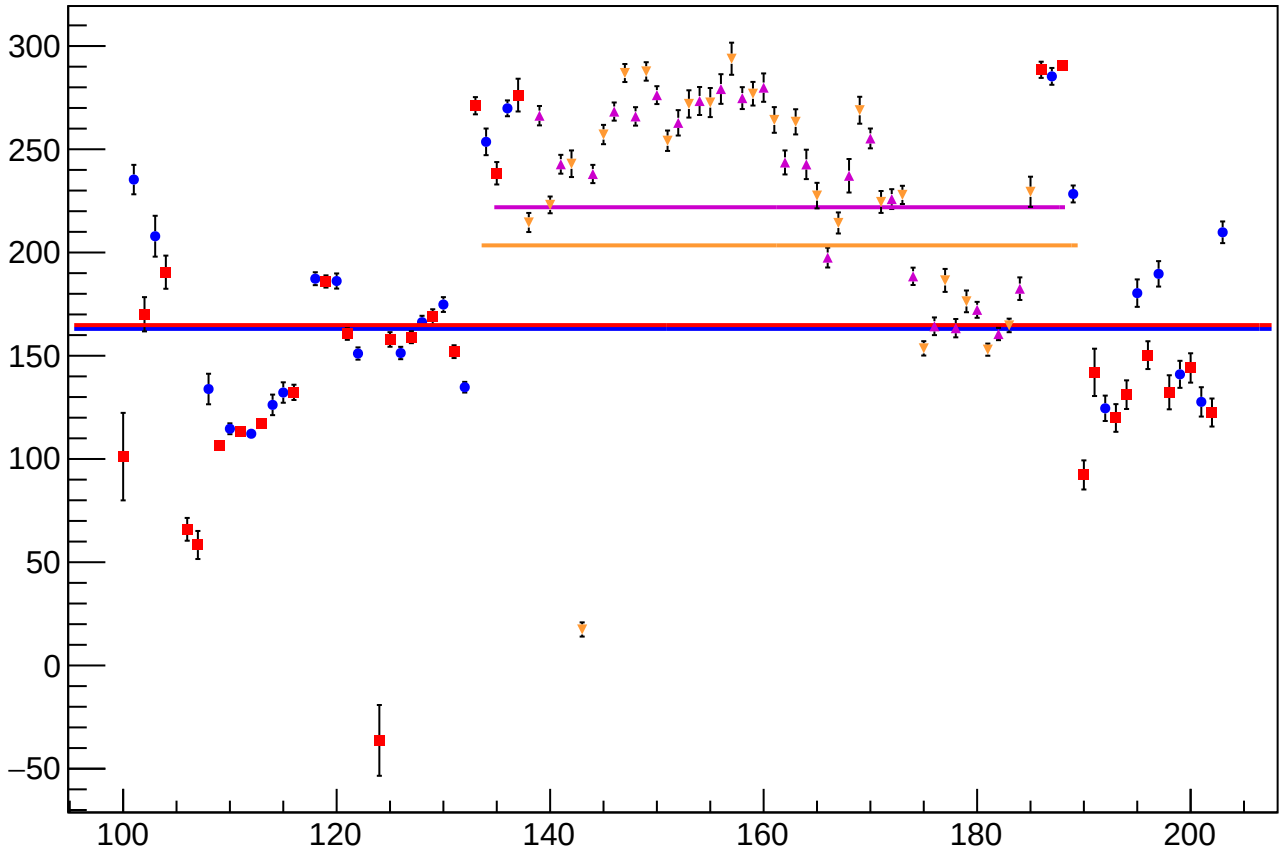
Left: -134.957+/-0.030 χ^2/NDF: 1310696.7/47

Right: -79.862+/-0.037 χ^2/NDF: 2532136.7/52

In: -117.231+/-0.034 χ^2/NDF:2266931.8/46

Out: -109.341+/-0.033 χ^2/NDF:2855166.8/53

All: -113.127+/-0.024 χ^2/NDF: 5150067.1/10



Right In: 163.006+/-0.791 χ^2/NDF: 3719.2/23

Left Out: 203.453+/-0.953 χ^2/NDF:5491.5/24

Right Out: 164.841+/-0.728 χ^2/NDF: 8091.8/28

Left In: 221.923+/-1.003 χ^2/NDF:1986.7/22

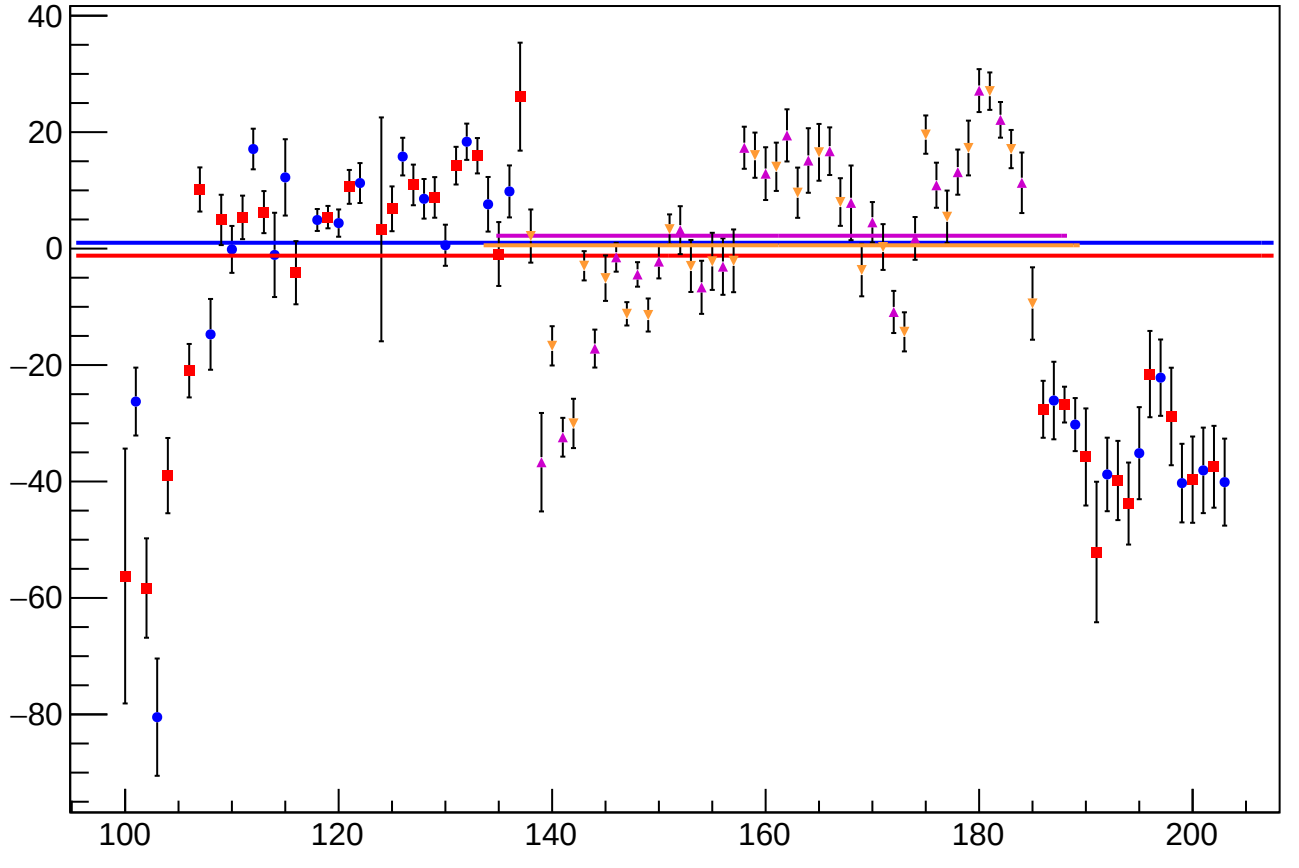
Left: 212.217+/-0.691 χ^2/NDF: 7656.5/47

Right: 164.000+/-0.535 χ^2/NDF: 11813.9/52

In: 185.600+/-0.621 χ^2/NDF:7833.5/46

Out: 179.059+/-0.578 χ^2/NDF:14620.5/53

All: 182.096+/-0.423 χ^2/NDF: 22513.4/100



Right In: 1.002+/-0.829 χ^2/NDF: 429.2/23

Left Out: 0.568+/-0.716 χ^2/NDF:345.4/24

Right Out: -1.214+/-0.804 χ^2/NDF: 513.0/28

Left In: 2.210+/-0.760 χ^2/NDF:358.2/22

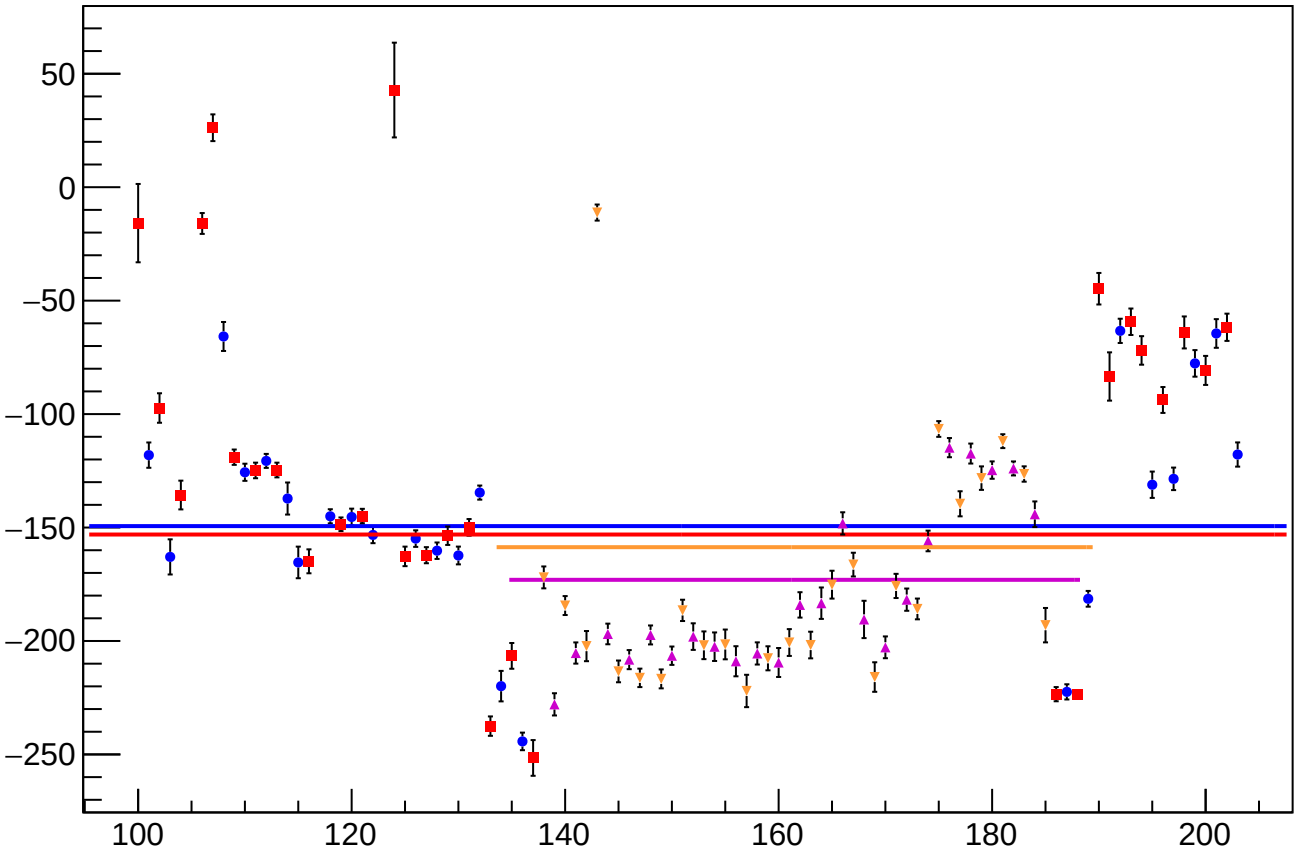
Left: 1.339+/-0.521 χ^2/NDF: 706.1/47

Right: -0.139+/-0.577 χ^2/NDF: 945.9/52

In: 1.658+/-0.560 χ^2/NDF:788.5/46

Out: -0.219+/-0.535 χ^2/NDF:861.2/53

All: 0.676+/-0.387 χ^2/NDF: 1655.5/100



Right In: -149.369+/-0.871 χ^2/NDF: 2312.5/23

Left Out: -158.658+/-0.951 χ^2/NDF:3491.8/24

Right Out: -153.080+/-0.784 χ^2/NDF: 6403.0/28

Left In: -173.043+/-0.996 χ^2/NDF:1399.9/22

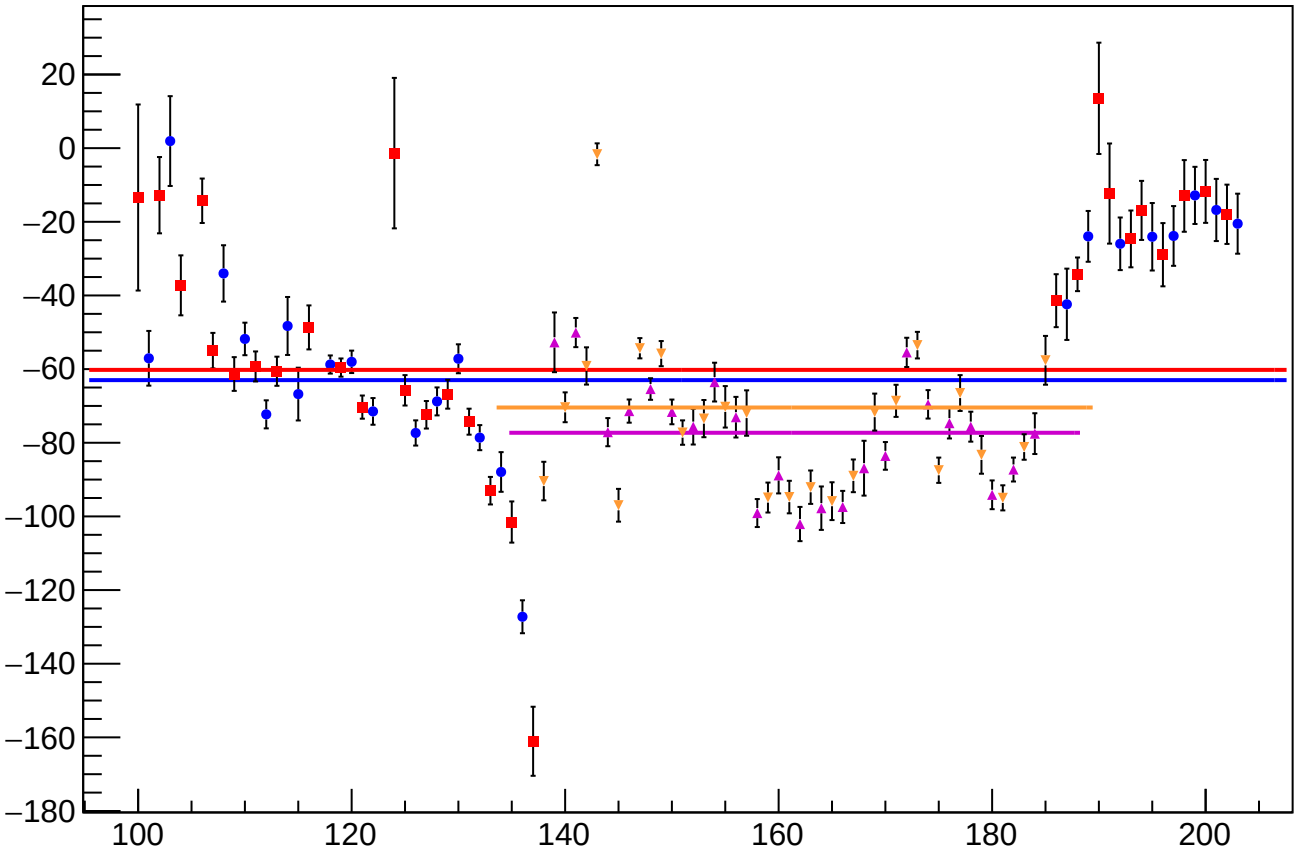
Left: -165.517+/-0.687 χ^2/NDF: 5000.9/47

Right: -151.419+/-0.583 χ^2/NDF: 8725.6/52

In: -159.637+/-0.656 χ^2/NDF:4032.7/46

Out: -155.340+/-0.605 χ^2/NDF:9915.3/53

All: -157.316+/-0.445 χ^2/NDF: 13971.1/100



Right In: -62.993+/-0.971 χ^2/NDF: 545.2/23

Left Out: -70.427+/-0.821 χ^2/NDF:901.6/24

Right Out: -60.210+/-0.946 χ^2/NDF: 614.7/28

Left In: -77.288+/-0.866 χ^2/NDF:254.3/22

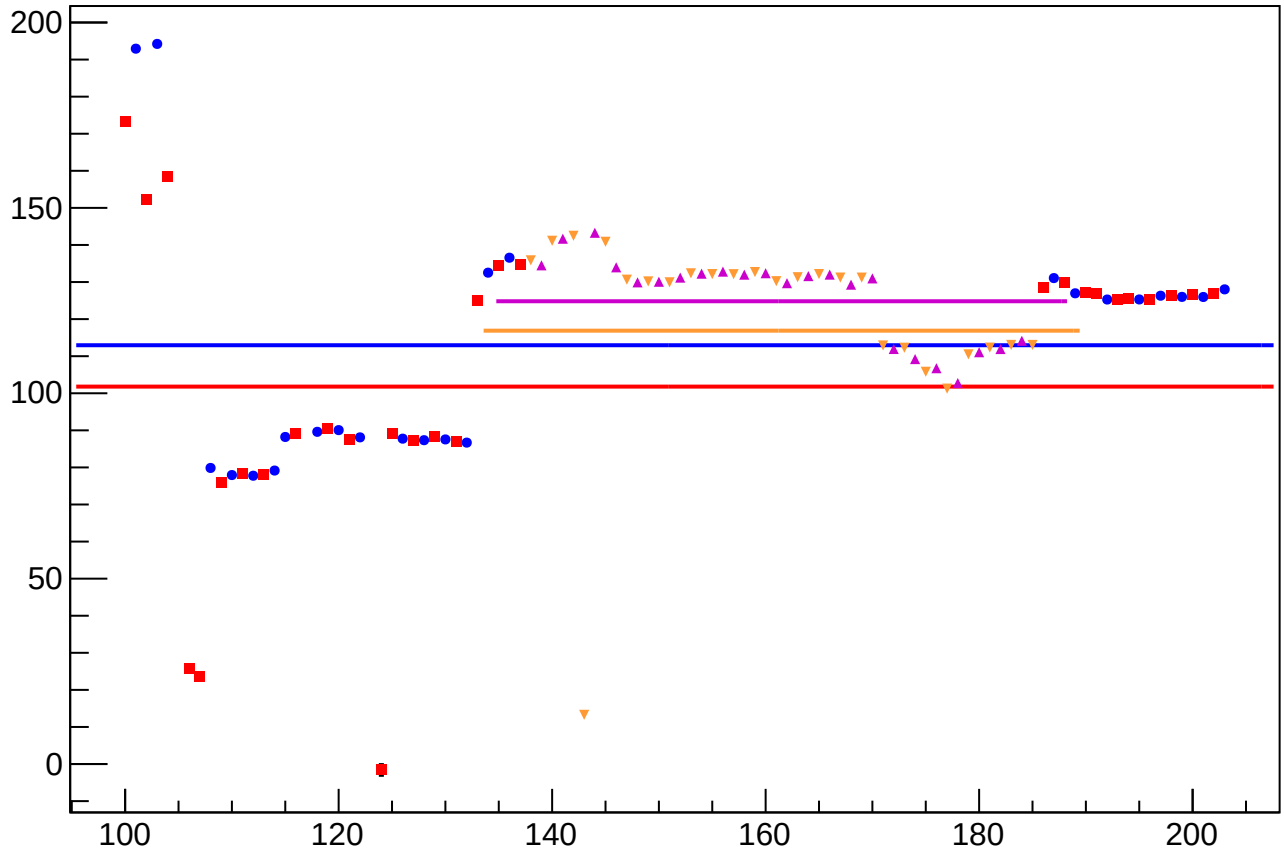
Left: -73.677+/-0.596 χ^2/NDF: 1189.0/47

Right: -61.566+/-0.678 χ^2/NDF: 1164.1/52

In: -70.956+/-0.646 χ^2/NDF:920.2/46

Out: -66.038+/-0.620 χ^2/NDF:1582.8/53

All: -68.397+/-0.447 χ^2/NDF: 2533.2/100



Right In: 112.956+/-0.057 χ^2/NDF: 269870.5/23

Left Out: 116.881+/-0.038 χ^2/NDF:623110.0/24

Right Out: 101.798+/-0.052 χ^2/NDF: 502678.4/28

Left In: 124.819+/-0.039 χ^2/NDF:88116.2/22

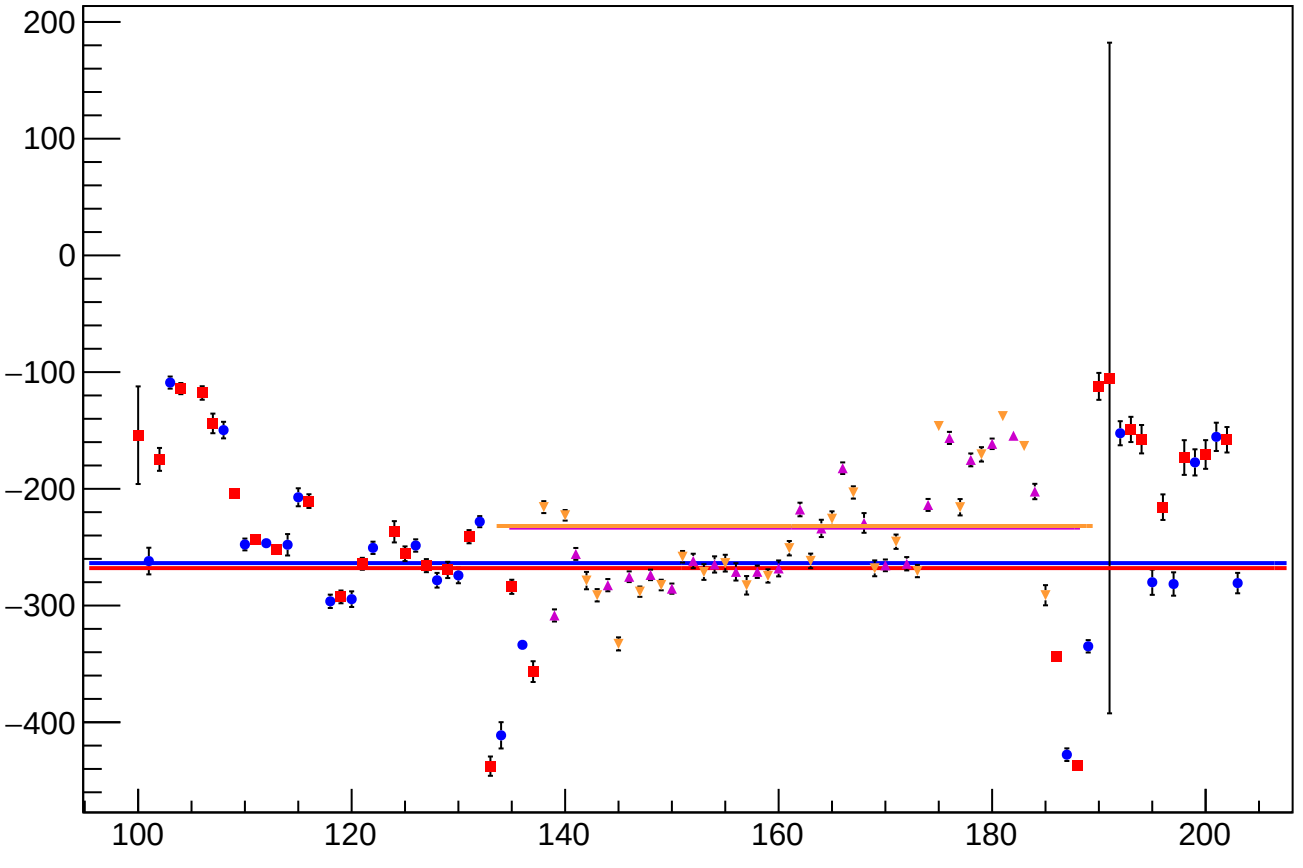
Left: 120.724+/-0.027 χ^2/NDF: 732240.4/47

Right: 106.919+/-0.039 χ^2/NDF: 793348.2/52

In: 120.985+/-0.032 χ^2/NDF:387392.0/46

Out: 111.667+/-0.031 χ^2/NDF:1179970.9/53

All: 116.099+/-0.022 χ^2/NDF: 1610850.1/100



Right In: -263.644+/-1.282 χ^2/NDF: 3180.0/23

Left Out: -231.847+/-1.080 χ^2/NDF:2676.6/24

Right Out: -267.935+/-1.122 χ^2/NDF: 7418.2/28

Left In: -233.258+/-1.108 χ^2/NDF:2067.0/22

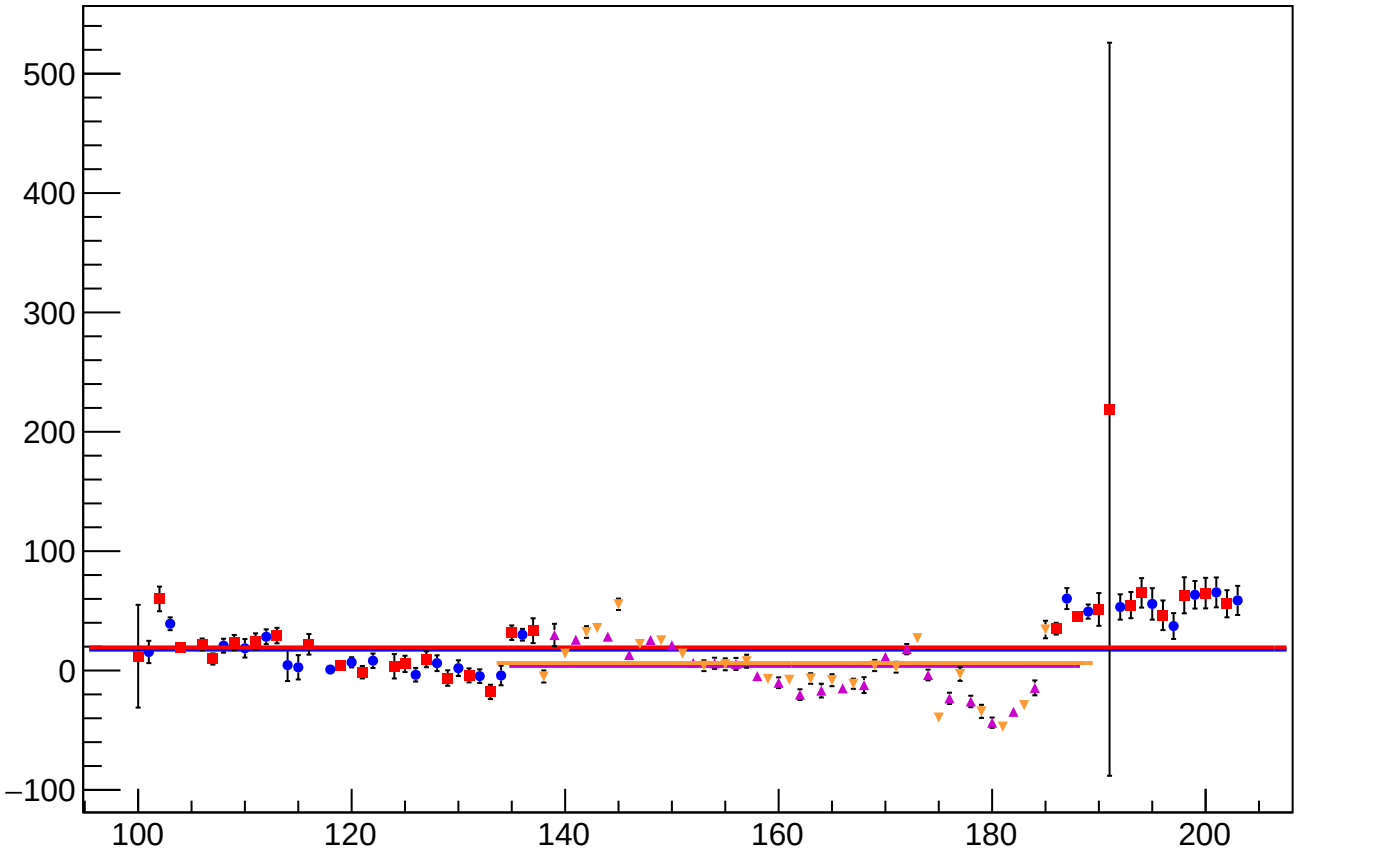
Left: -232.535+/-0.773 χ^2/NDF: 4744.4/47

Right: -266.073+/-0.844 χ^2/NDF: 10604.6/52

In: -246.249+/-0.838 χ^2/NDF:5568.8/46

Out: -249.206+/-0.778 χ^2/NDF:10631.7/53

All: -247.837+/-0.570 χ^2/NDF: 16207.2/100



Right In: 17.542+/-1.352 χ^2/NDF: 222.6/23

Left Out: 6.288+/-0.789 χ^2/NDF:871.5/24

Right Out: 19.357+/-1.210 χ^2/NDF: 260.9/28

Left In: 3.906+/-0.818 χ^2/NDF:650.3/22

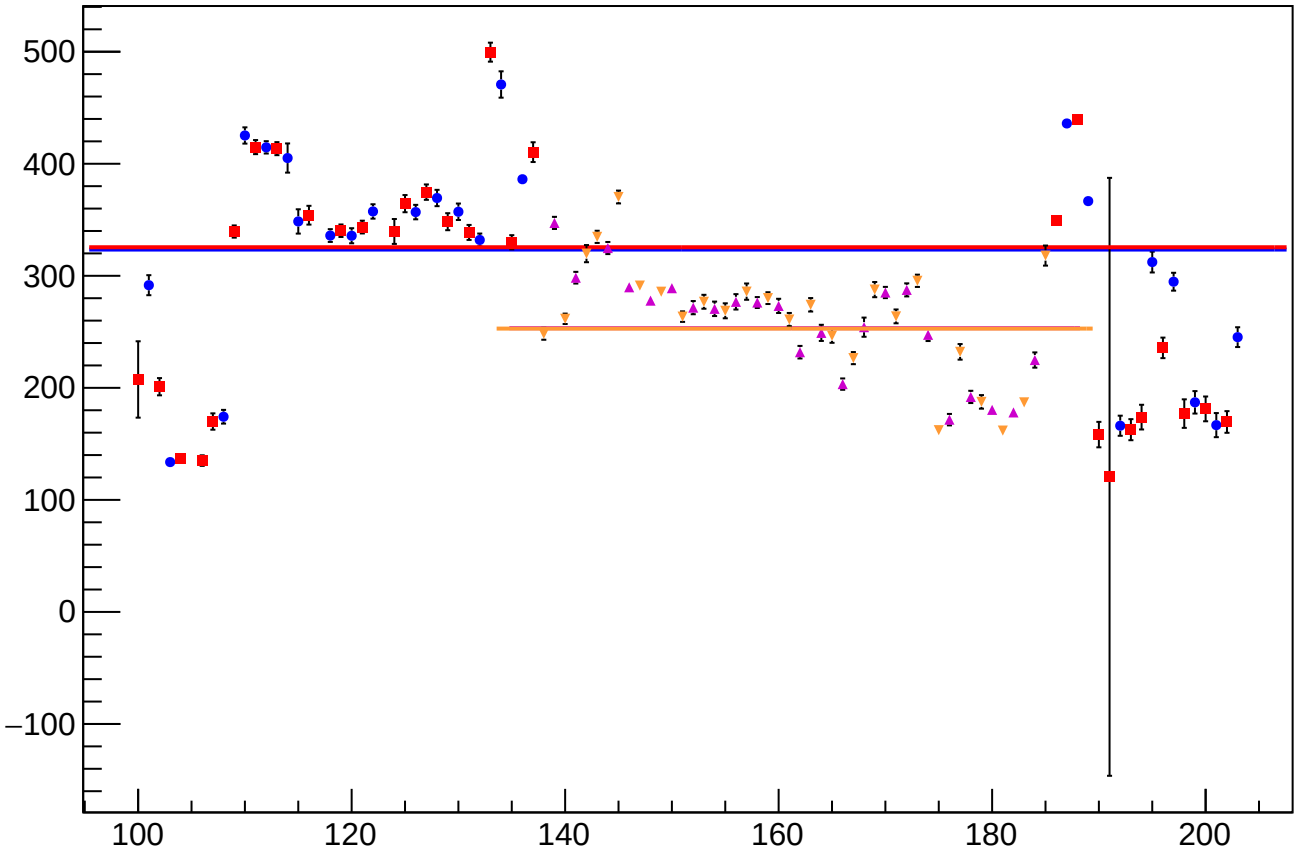
Left: 5.140+/-0.568 χ^2/NDF: 1526.1/47

Right: 18.549+/-0.901 χ^2/NDF: 484.5/52

In: 7.563+/-0.700 χ^2/NDF:947.4/46

Out: 10.188+/-0.661 χ^2/NDF:1214.2/53

All: 8.951+/-0.481 χ^2/NDF: 2169.0/100



Right In: 323.430+/-1.325 χ^2/NDF: 5332.3/23

Left Out: 252.886+/-1.070 χ^2/NDF:2579.0/24

Right Out: 325.489+/-1.117 χ^2/NDF: 9745.6/28

Left In: 253.248+/-1.093 χ^2/NDF:2059.7/22

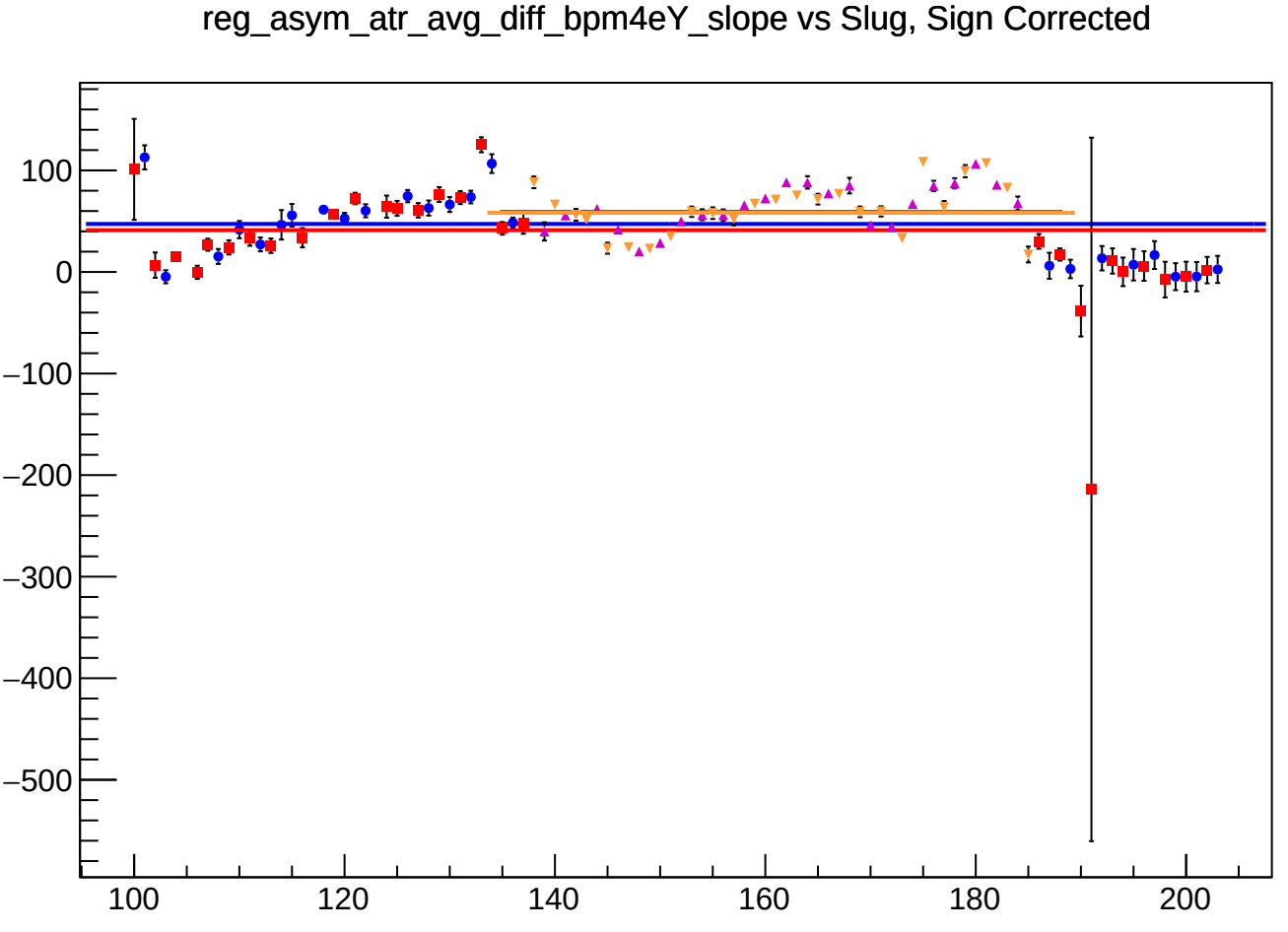
Left: 253.063+/-0.765 χ^2/NDF: 4638.7/47

Right: 324.633+/-0.854 χ^2/NDF: 15079.3/52

In: 281.689+/-0.843 χ^2/NDF:9061.6/46

Out: 287.657+/-0.773 χ^2/NDF:14527.7/53

All: 284.933+/-0.570 χ^2/NDF: 23616.5/100



Right In: 47.299+/-1.587 χ^2/NDF: 323.7/23

Left Out: 58.306+/-0.911 χ^2/NDF:850.2/24

Right Out: 41.145+/-1.455 χ^2/NDF: 413.4/28

Left In: 59.151+/-0.938 χ^2/NDF:632.4/22

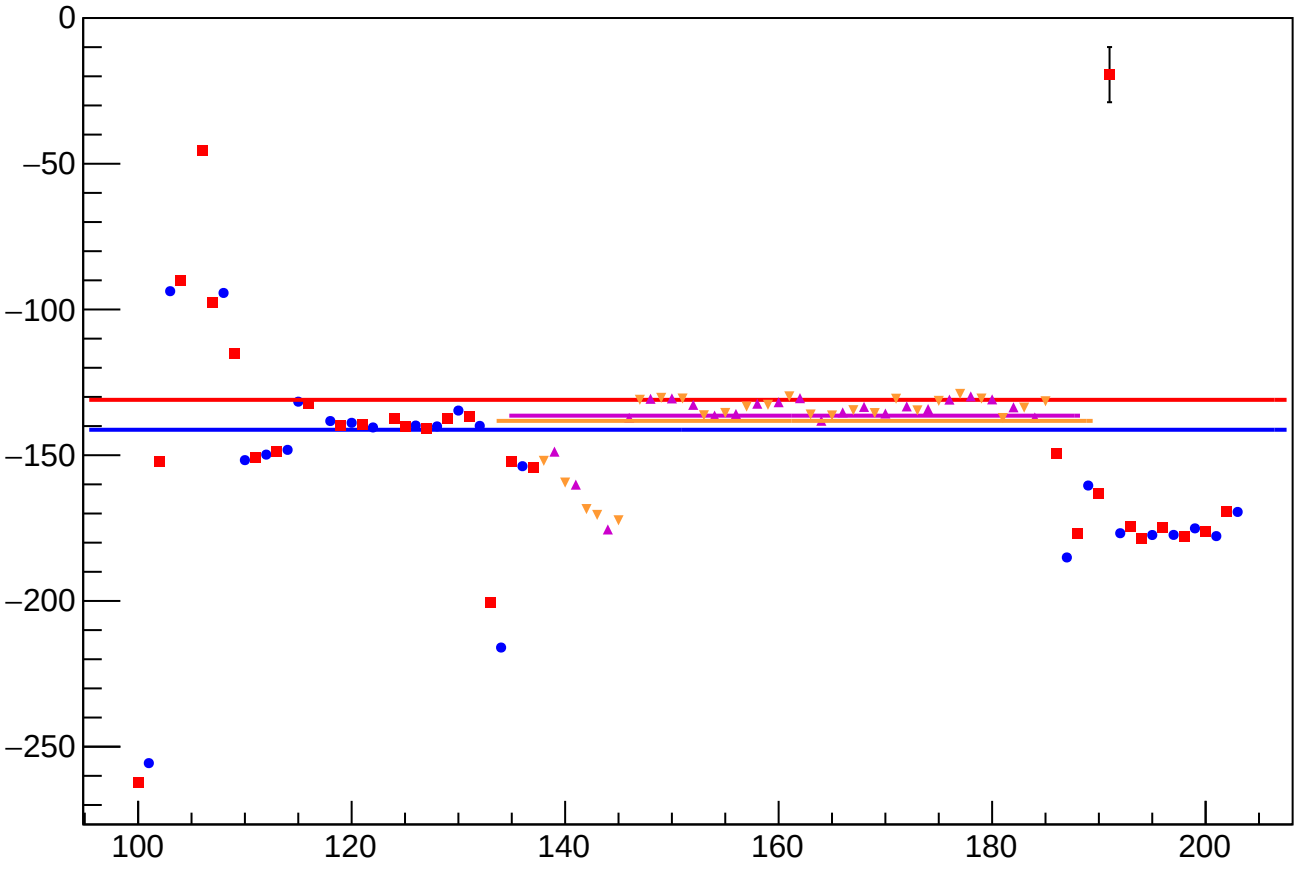
Left: 58.716+/-0.654 χ^2/NDF: 1483.1/47

Right: 43.956+/-1.072 χ^2/NDF: 745.2/52

In: 56.080+/-0.808 χ^2/NDF:997.5/46

Out: 53.471+/-0.772 χ^2/NDF:1363.5/53

All: 54.717+/-0.558 χ^2/NDF: 2366.4/100



Right In: -141.268+/-0.079 χ^2/NDF: 234196.3/23

Left Out: -138.218+/-0.042 χ^2/NDF:81828.6/24

Right Out: -131.000+/-0.073 χ^2/NDF: 326445.6/28

Left In: -136.429+/-0.043 χ^2/NDF:49792.9/22

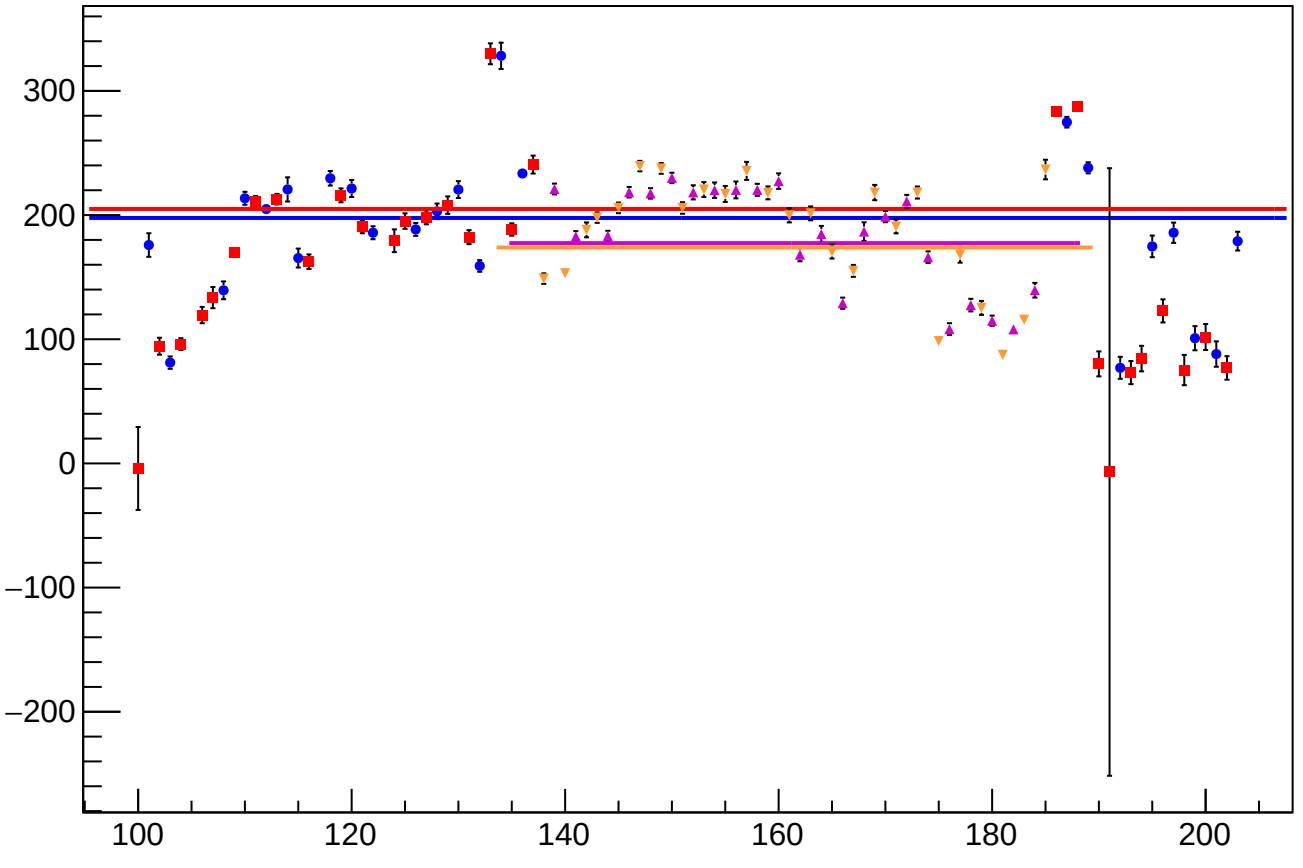
Left: -137.331+/-0.030 χ^2/NDF: 132499.5/47

Right: -135.775+/-0.054 χ^2/NDF: 569724.2/52

In: -137.534+/-0.038 χ^2/NDF:286898.8/46

Out: -136.408+/-0.037 χ^2/NDF:415505.3/53

All: -136.958+/-0.026 χ^2/NDF: 702861.1/100



Right In: 197.689+/-1.206 χ^2/NDF: 1859.3/23

Left Out: 173.862+/-0.962 χ^2/NDF:2627.6/24

Right Out: 204.927+/-1.052 χ^2/NDF: 4193.3/28

Left In: 177.403+/-0.996 χ^2/NDF:1963.0/22

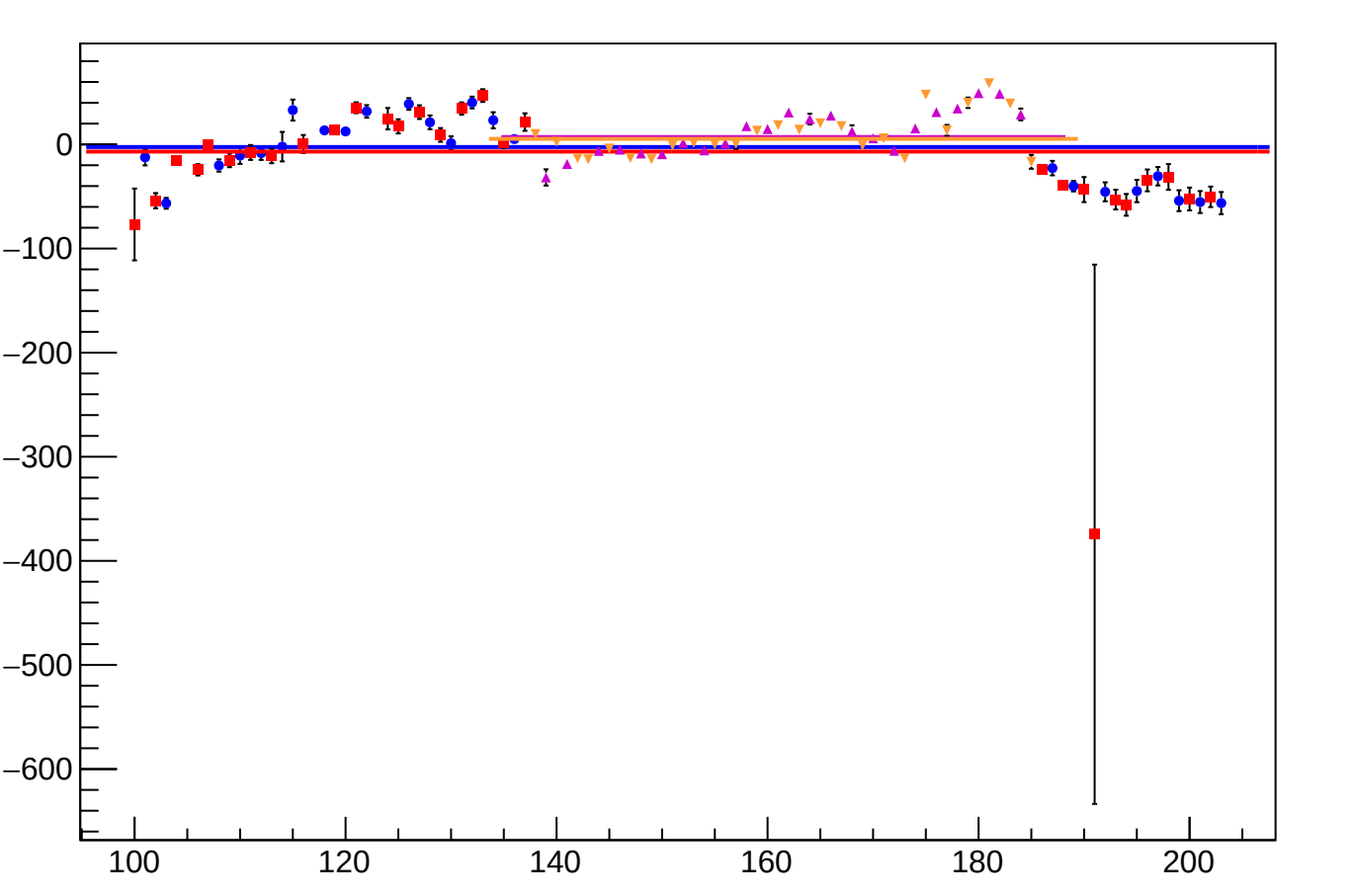
Left: 175.572+/-0.692 χ^2/NDF: 4597.1/47

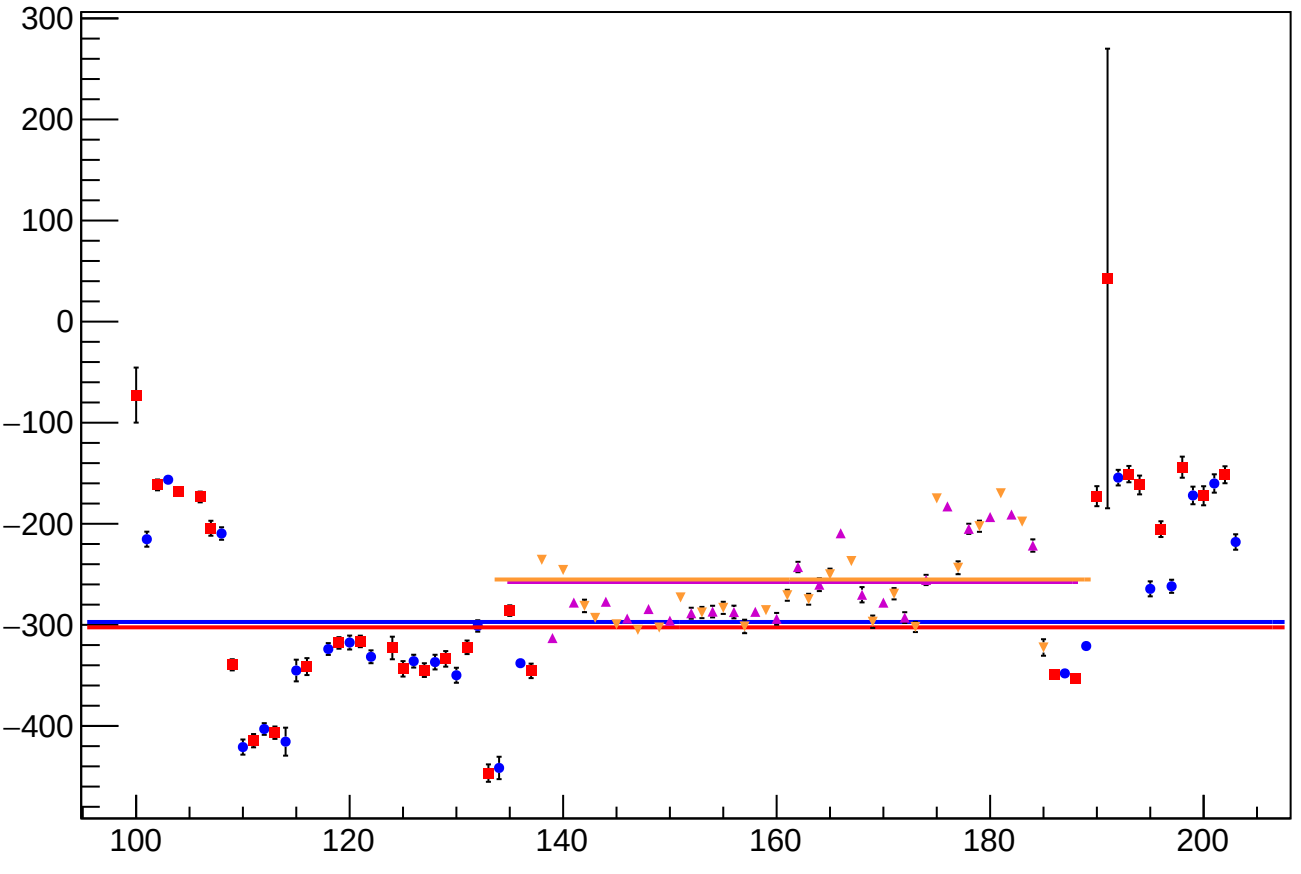
Right: 201.798+/-0.793 χ^2/NDF: 6073.0/52

In: 185.626+/-0.768 χ^2/NDF:3990.6/46

Out: 188.009+/-0.710 χ^2/NDF:7295.6/53

All: 186.911+/-0.521 χ^2/NDF: 11291.5/100


reg_asym_atr_dd_diff_bpm4aY_slope vs Slug, Sign Corrected
0
−100
−200
−300
−400
−500
−600
100
120
140
160
180
200
Right In: -2.498+/-1.289 χ²/NDF: 525.2/23
Left Out: 5.363+/-0.710 χ²/NDF:810.0/24
Right Out: -6.879+/-1.153 χ²/NDF: 588.9/28
Left In: 7.061+/-0.741 χ²/NDF:709.7/22
Left: 6.176+/-0.513 χ²/NDF: 1522.4/47
Right: -4.933+/-0.859 χ²/NDF: 1120.5/52
In: 4.686+/-0.643 χ²/NDF:1276.2/46
Out: 1.993+/-0.605 χ²/NDF:1480.6/53
All: 3.258+/-0.440 χ²/NDF: 2766.1/100



Right In: -297.146+/-1.212 χ^2/NDF: 3984.2/23

Left Out: -255.122+/-0.956 χ^2/NDF:2344.8/24

Right Out: -302.464+/-1.015 χ^2/NDF: 6548.5/28

Left In: -257.600+/-0.985 χ^2/NDF:1808.1/22

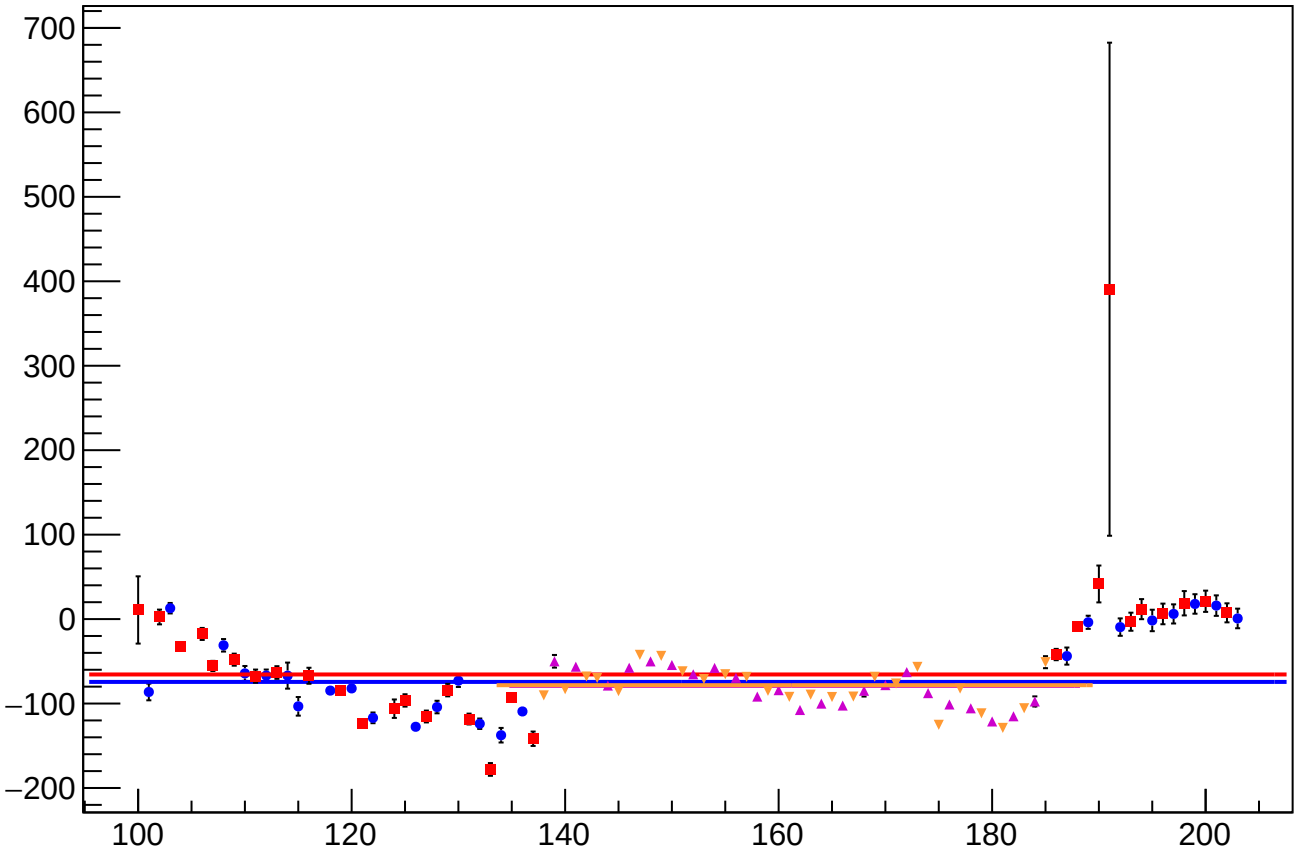
Left: -256.324+/-0.686 χ^2/NDF: 4156.2/47

Right: -300.272+/-0.778 χ^2/NDF: 10544.1/52

In: -273.332+/-0.764 χ^2/NDF:6433.7/46

Out: -277.392+/-0.696 χ^2/NDF:10046.2/53

All: -275.552+/-0.515 χ^2/NDF: 16495.4/100



Right In: -74.392+/-1.514 χ^2/NDF: 956.0/23

Left Out: -78.292+/-0.819 χ^2/NDF:868.2/24

Right Out: -65.566+/-1.393 χ^2/NDF: 1186.0/28

Left In: -79.066+/-0.849 χ^2/NDF:702.6/22

Left: -78.665+/-0.589 χ^2/NDF: 1571.2/47

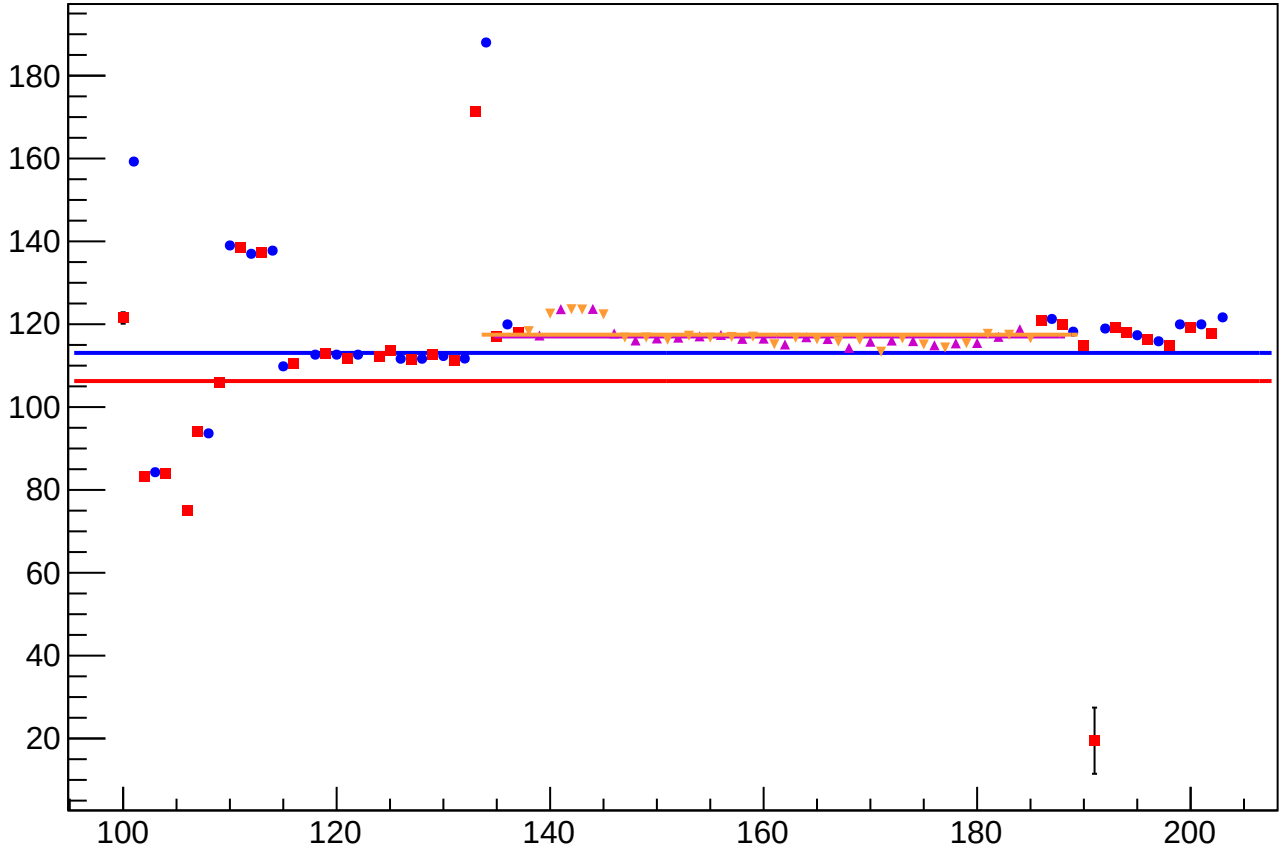
Right: -69.614+/-1.025 χ^2/NDF: 2160.4/52

In: -77.948+/-0.740 χ^2/NDF:1665.9/46

Out: -75.026+/-0.706 χ^2/NDF:2116.2/53

All: -76.417+/-0.511 χ^2/NDF: 3790.2/100

reg_asym_atr_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 113.076+/-0.072 χ^2/NDF: 86440.6/23

Left Out: 117.477+/-0.038 χ^2/NDF:4739.3/24

Right Out: 106.281+/-0.067 χ^2/NDF: 76490.3/28

Left In: 117.046+/-0.039 χ^2/NDF:3343.0/22

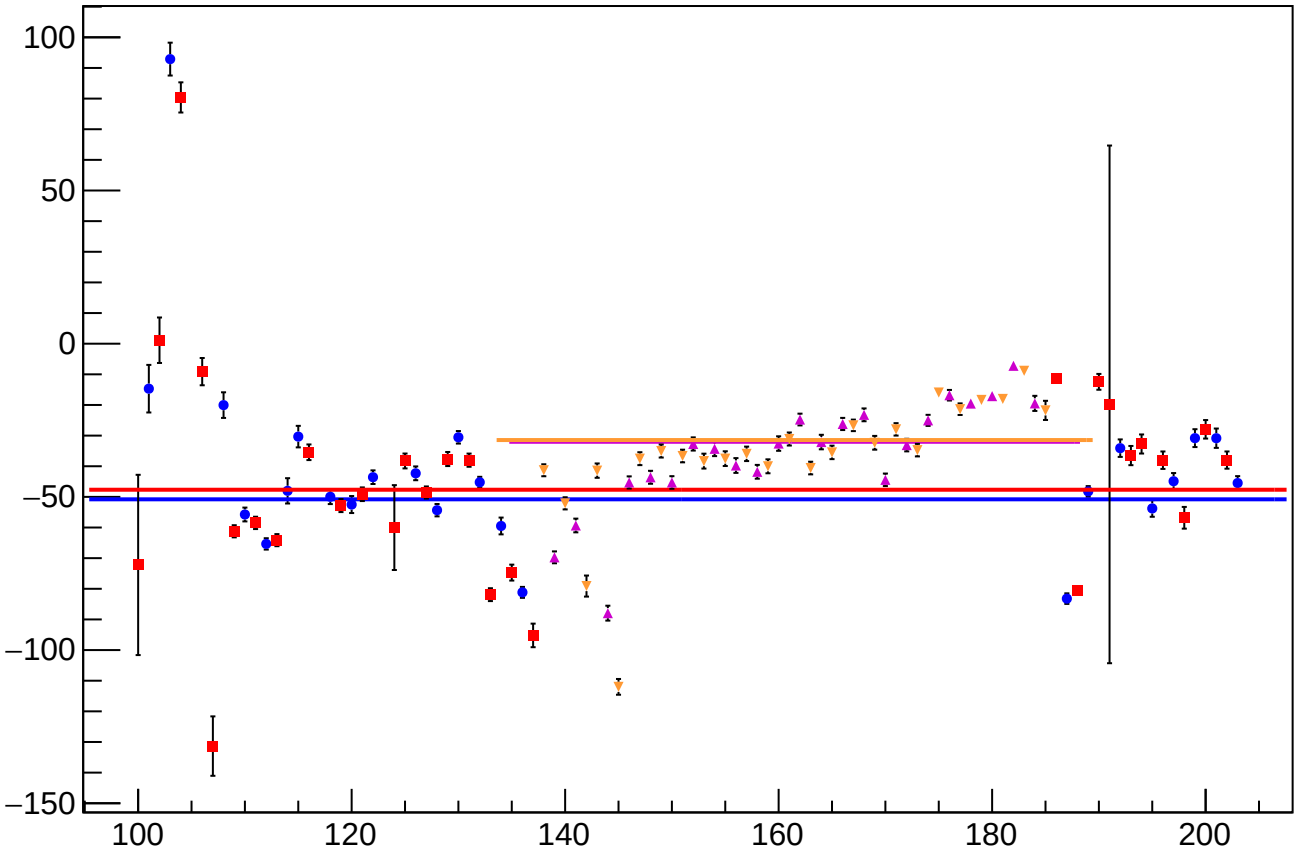
Left: 117.265+/-0.027 χ^2/NDF: 8145.5/47

Right: 109.438+/-0.049 χ^2/NDF: 167649.9/52

In: 116.167+/-0.034 χ^2/NDF:92126.5/46

Out: 114.777+/-0.033 χ^2/NDF:102154.7/53

All: 115.452+/-0.024 χ^2/NDF: 195136.9/100



Right In: -50.797+/-0.490 χ^2/NDF: 1816.2/23

Left Out: -31.452+/-0.399 χ^2/NDF:1992.2/24

Right Out: -47.666+/-0.429 χ^2/NDF: 4194.5/28

Left In: -32.015+/-0.409 χ^2/NDF:1913.4/22

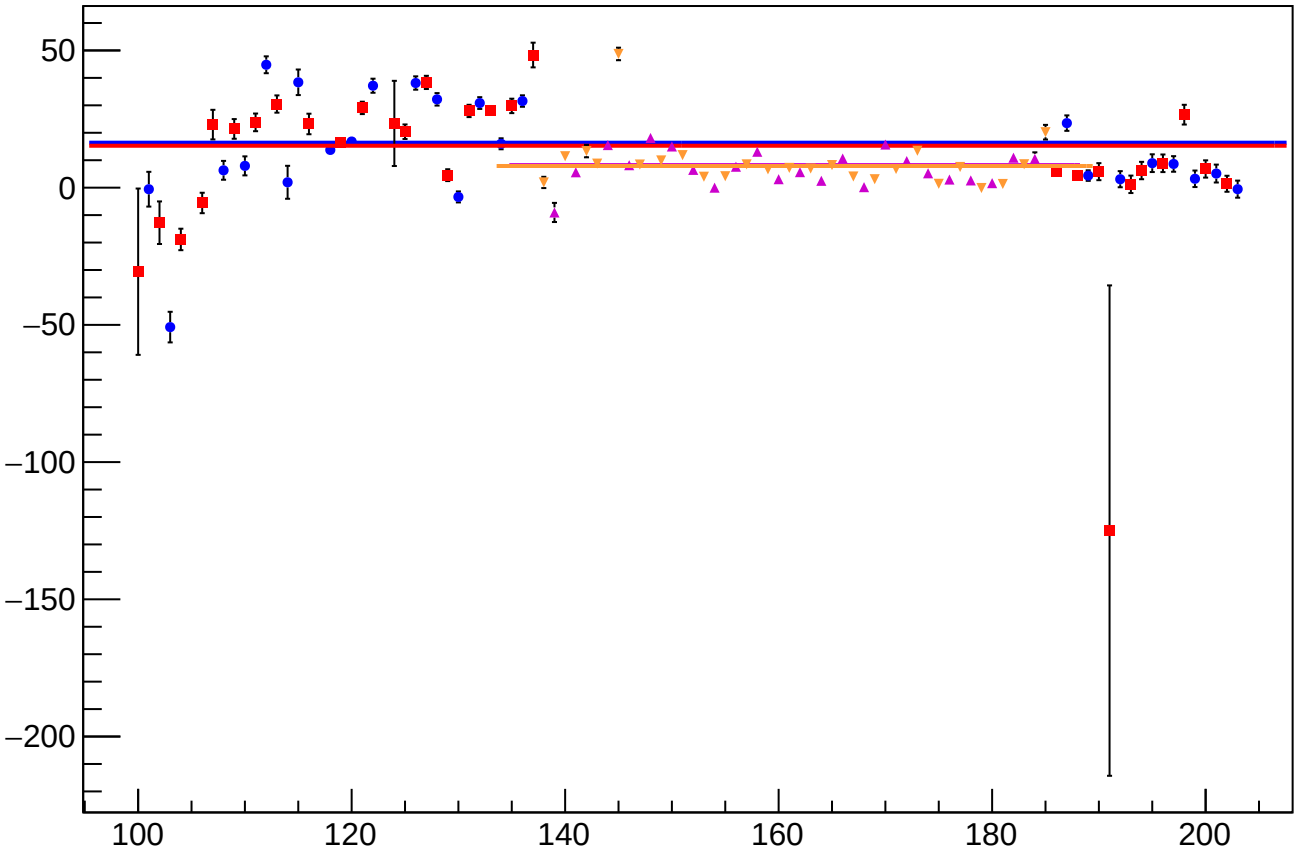
Left: -31.726+/-0.286 χ^2/NDF: 3906.6/47

Right: -49.027+/-0.323 χ^2/NDF: 6033.9/52

In: -39.736+/-0.314 χ^2/NDF:4596.1/46

Out: -38.963+/-0.292 χ^2/NDF:6952.2/53

All: -39.322+/-0.214 χ^2/NDF: 11551.5/100



Right In: 16.390+/-0.519 χ^2/NDF: 811.8/23

Left Out: 7.897+/-0.304 χ^2/NDF:490.5/24

Right Out: 15.273+/-0.477 χ^2/NDF: 705.3/28

Left In: 8.223+/-0.316 χ^2/NDF:338.8/22

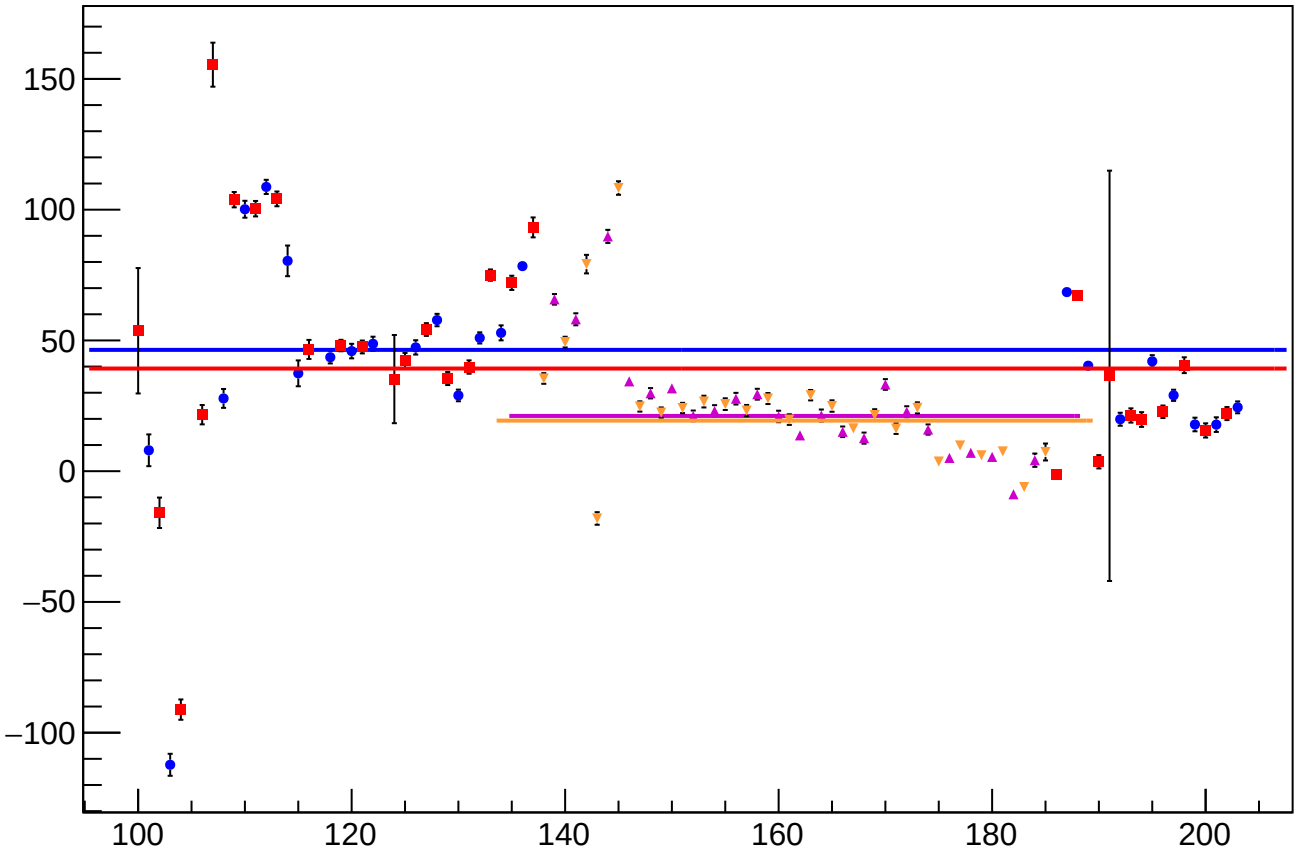
Left: 8.054+/-0.219 χ^2/NDF: 829.9/47

Right: 15.784+/-0.351 χ^2/NDF: 1519.5/52

In: 10.426+/-0.270 χ^2/NDF:1331.3/46

Out: 10.028+/-0.256 χ^2/NDF:1366.0/53

All: 10.217+/-0.186 χ^2/NDF: 2698.4/100



Right In: 46.388+/-0.497 χ^2/NDF: 3499.6/23

Left Out: 19.339+/-0.396 χ^2/NDF:2682.4/24

Right Out: 39.252+/-0.410 χ^2/NDF: 7540.8/28

Left In: 21.124+/-0.405 χ^2/NDF:2504.8/22

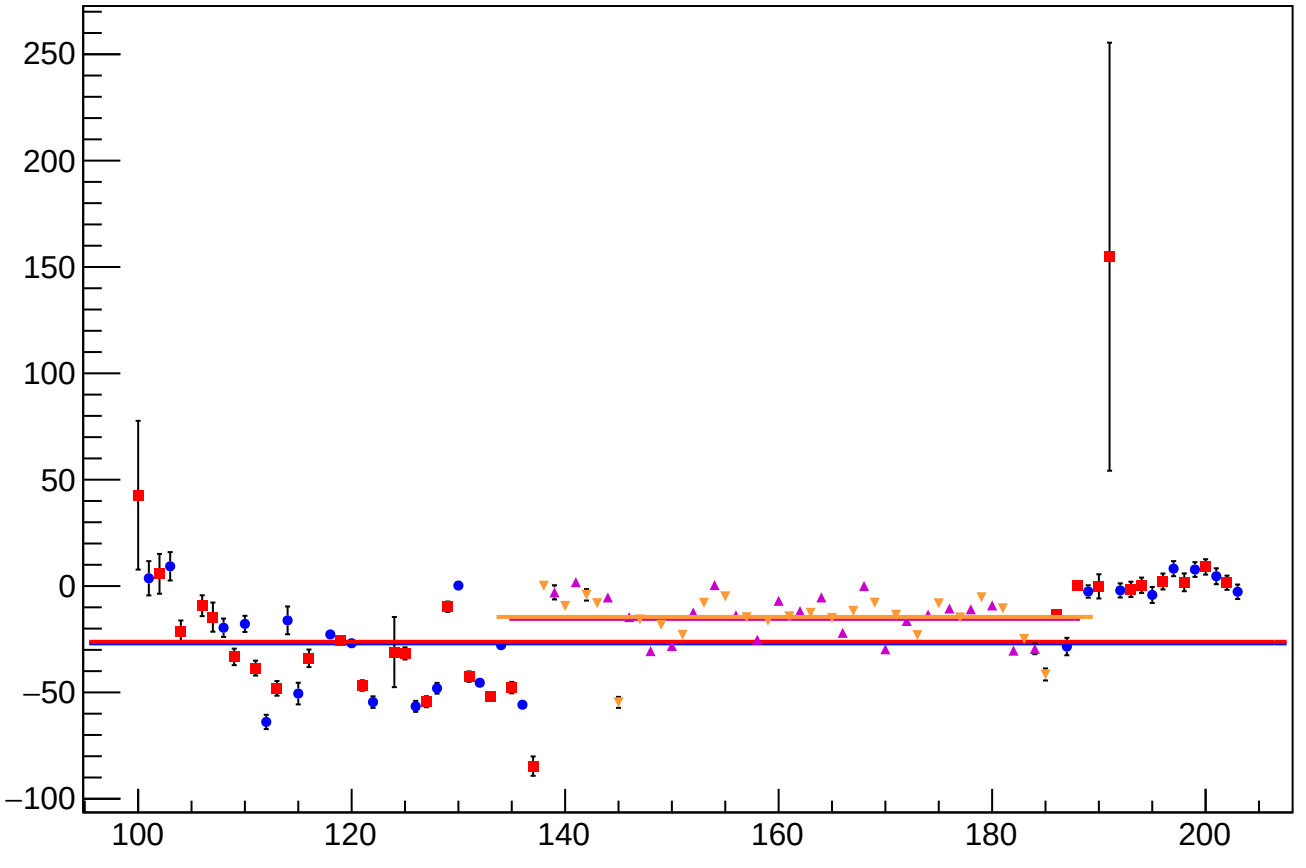
Left: 20.211+/-0.283 χ^2/NDF: 5197.1/47

Right: 42.142+/-0.316 χ^2/NDF: 11163.2/52

In: 31.203+/-0.314 χ^2/NDF:7558.7/46

Out: 28.943+/-0.285 χ^2/NDF:11445.3/53

All: 29.963+/-0.211 χ^2/NDF: 19032.5/100



Right In: -26.933+/-0.609 χ^2/NDF: 1392.5/23

Left Out: -14.502+/-0.344 χ^2/NDF:641.0/24

Right Out: -26.198+/-0.582 χ^2/NDF: 1396.2/28

Left In: -15.417+/-0.355 χ^2/NDF:798.7/22

Left: -14.945+/-0.247 χ^2/NDF: 1443.2/47

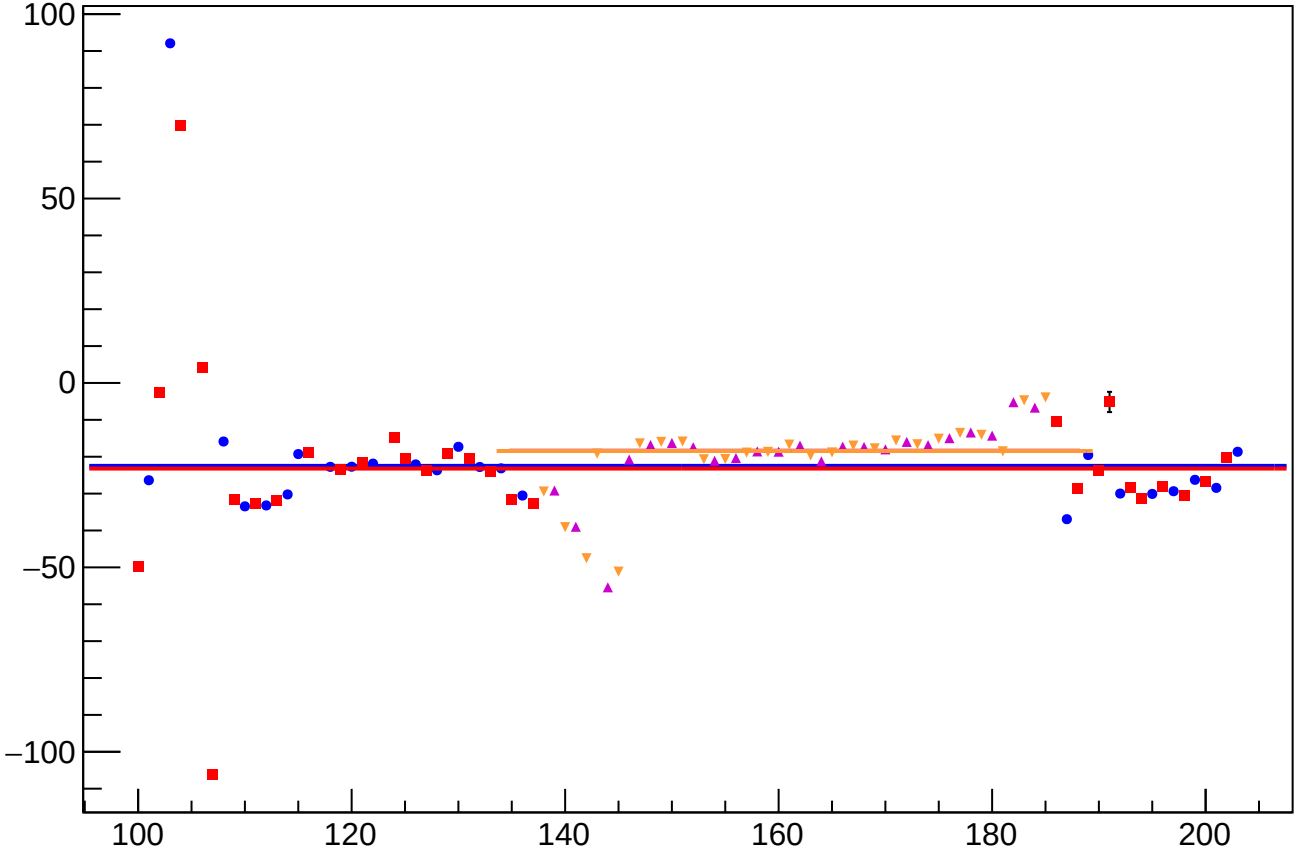
Right: -26.549+/-0.421 χ^2/NDF: 2789.5/52

In: -18.344+/-0.307 χ^2/NDF:2458.3/46

Out: -17.533+/-0.296 χ^2/NDF:2336.8/53

All: -17.924+/-0.213 χ^2/NDF: 4798.7/100

reg_asym_at1_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -22.485+/-0.030 χ^2/NDF: 460811.1/23

Left Out: -18.450+/-0.015 χ^2/NDF:295359.2/24

Right Out: -23.209+/-0.029 χ^2/NDF: 379402.6/28

Left In: -18.378+/-0.016 χ^2/NDF:250040.9/22

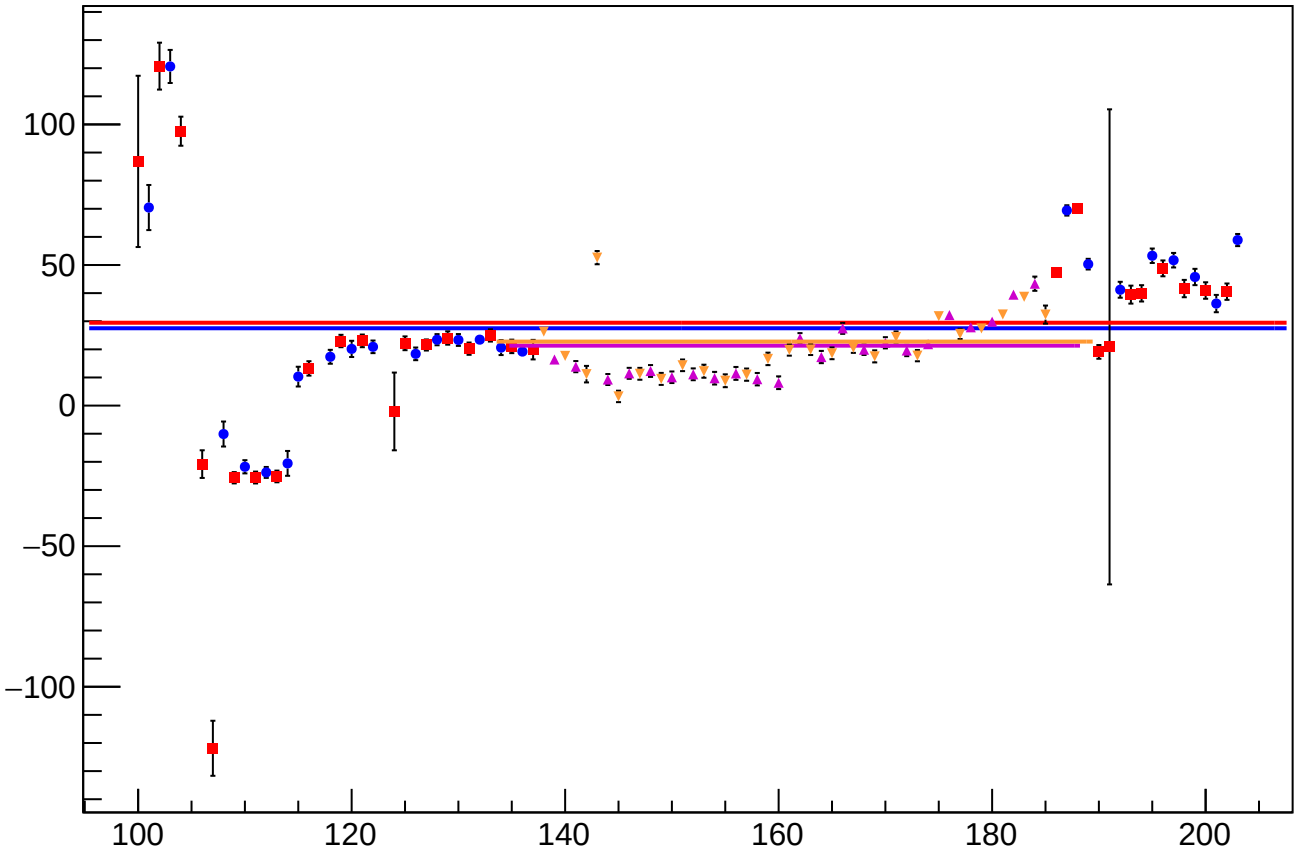
Left: -18.414+/-0.011 χ^2/NDF: 545410.6/47

Right: -22.855+/-0.021 χ^2/NDF: 840512.1/52

In: -19.266+/-0.014 χ^2/NDF:725541.0/46

Out: -19.487+/-0.014 χ^2/NDF:695360.9/53

All: -19.378+/-0.010 χ^2/NDF: 1421030.1/100



Right In: 27.502+/-0.495 χ^2/NDF: 2852.7/23

Left Out: 22.766+/-0.383 χ^2/NDF:722.8/24

Right Out: 29.471+/-0.449 χ^2/NDF: 4654.0/28

Left In: 21.325+/-0.393 χ^2/NDF:629.9/22

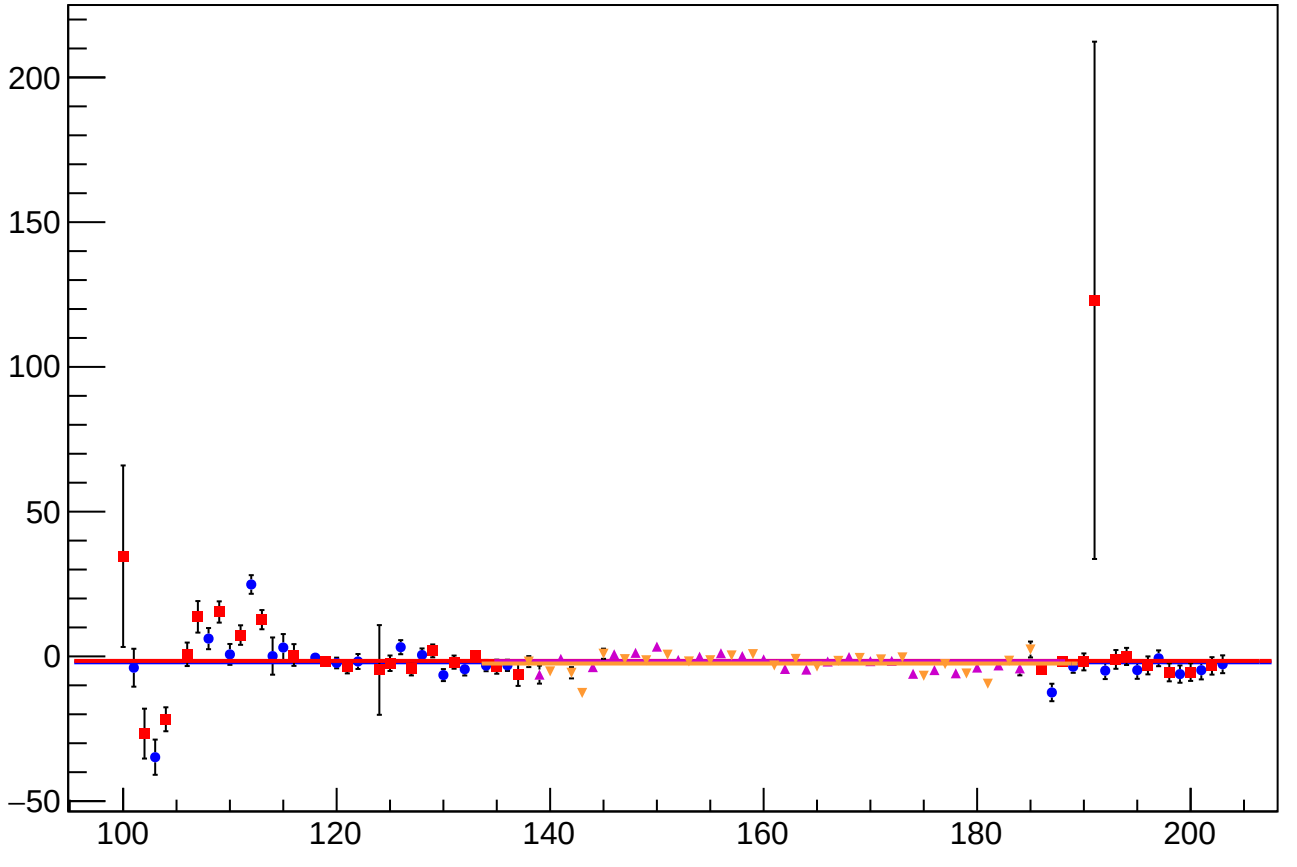
Left: 22.064+/-0.274 χ^2/NDF: 1359.6/47

Right: 28.583+/-0.332 χ^2/NDF: 7515.4/52

In: 23.712+/-0.308 χ^2/NDF:3578.2/46

Out: 25.589+/-0.291 χ^2/NDF:5506.1/53

All: 24.702+/-0.211 χ^2/NDF: 9103.9/100



Right In: -2.044+/-0.525 χ^2/NDF: 136.4/23

Left Out: -2.468+/-0.293 χ^2/NDF:116.7/24

Right Out: -1.558+/-0.496 χ^2/NDF: 105.6/28

Left In: -1.659+/-0.304 χ^2/NDF:70.2/22

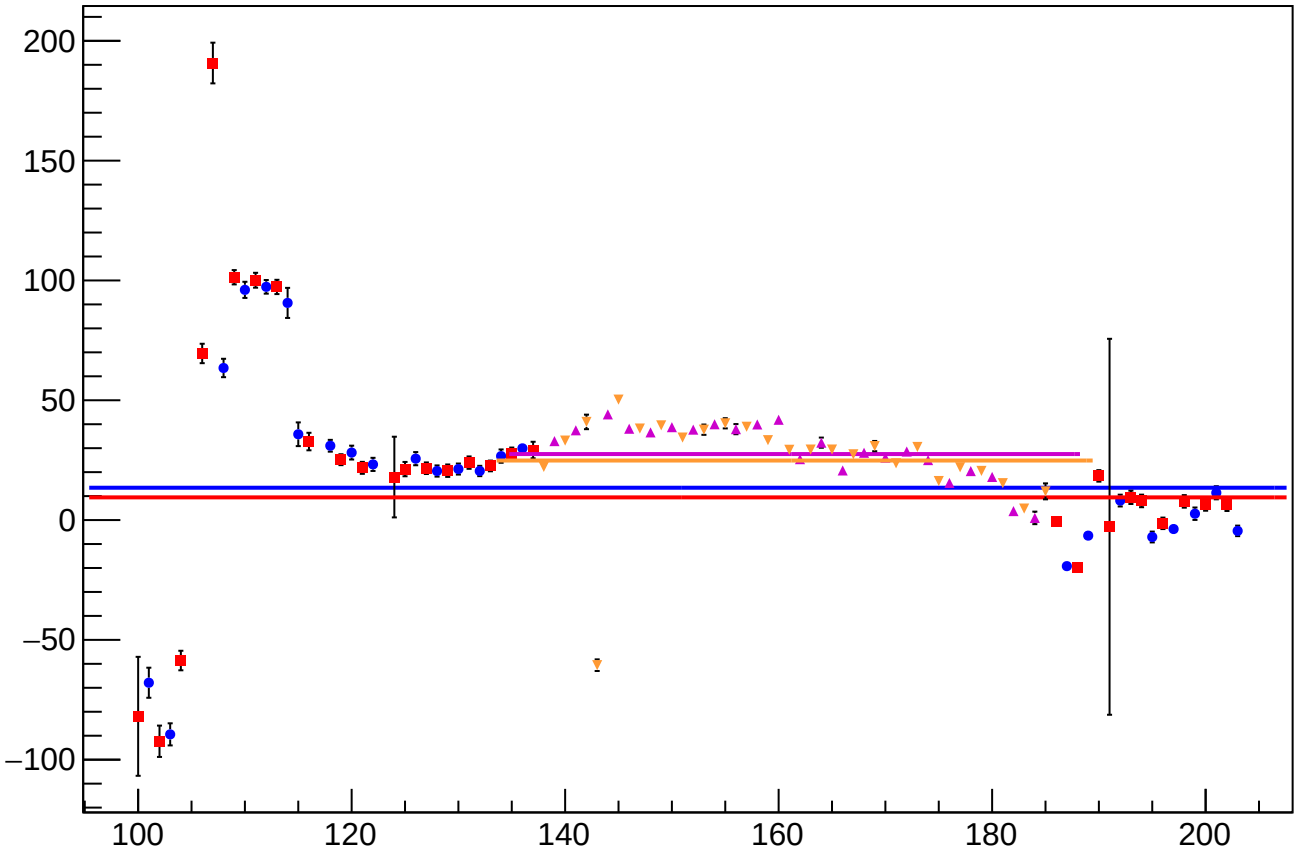
Left: -2.079+/-0.211 χ^2/NDF: 190.6/47

Right: -1.787+/-0.361 χ^2/NDF: 242.4/52

In: -1.756+/-0.263 χ^2/NDF:207.0/46

Out: -2.233+/-0.252 χ^2/NDF:224.8/53

All: -2.004+/-0.182 χ^2/NDF: 433.5/100



Right In: 13.497+/-0.504 χ^2/NDF: 3593.0/23

Left Out: 24.850+/-0.380 χ^2/NDF:2048.7/24

Right Out: 9.470+/-0.435 χ^2/NDF: 5482.3/28

Left In: 27.551+/-0.389 χ^2/NDF:881.9/22

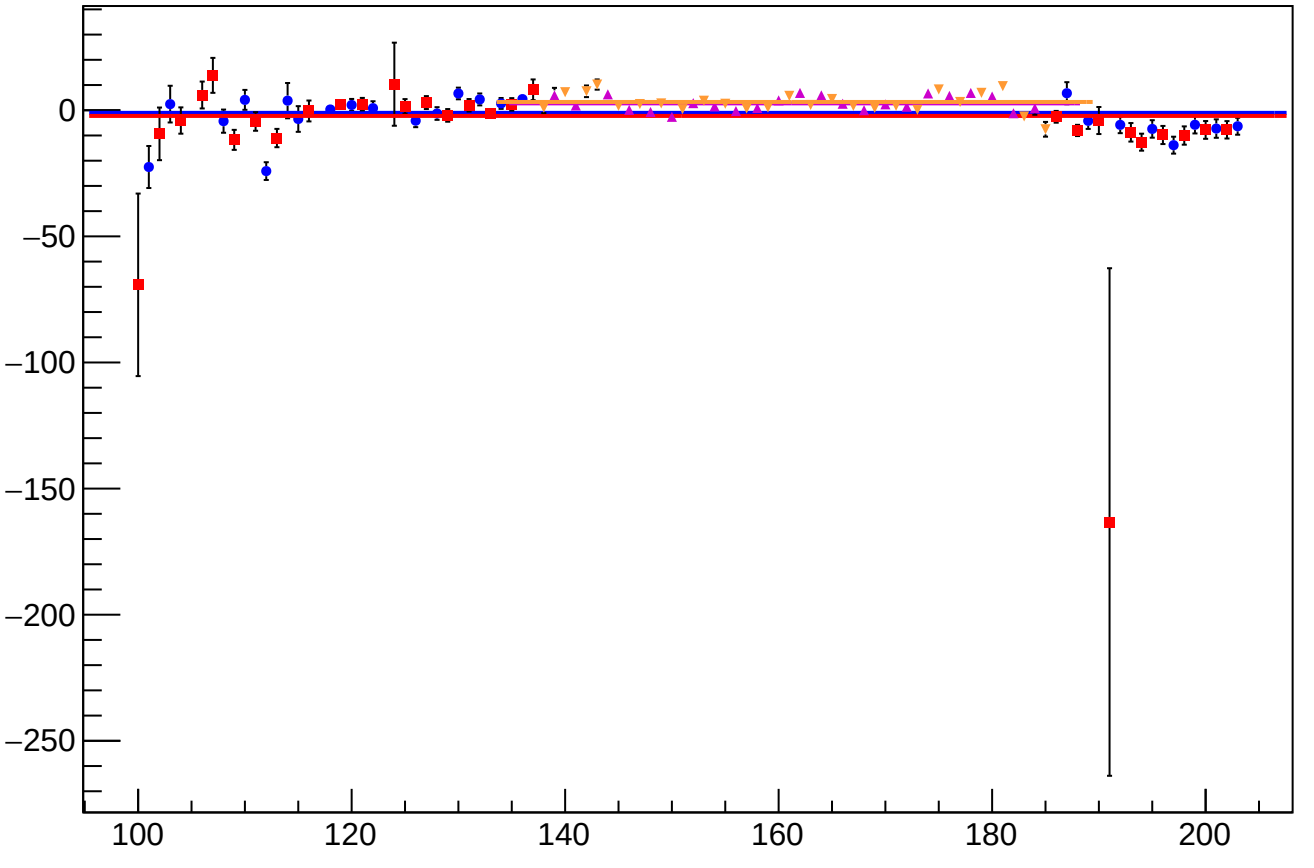
Left: 26.168+/-0.272 χ^2/NDF: 2955.3/47

Right: 11.188+/-0.329 χ^2/NDF: 9111.9/52

In: 22.310+/-0.308 χ^2/NDF:4961.9/46

Out: 18.195+/-0.286 χ^2/NDF:8240.7/53

All: 20.101+/-0.210 χ^2/NDF: 13298.4/100



Right In: -1.030+/-0.611 χ^2/NDF: 115.5/23

Left Out: 3.287+/-0.331 χ^2/NDF:106.3/24

Right Out: -2.250+/-0.598 χ^2/NDF: 88.7/28

Left In: 2.730+/-0.342 χ^2/NDF:74.5/22

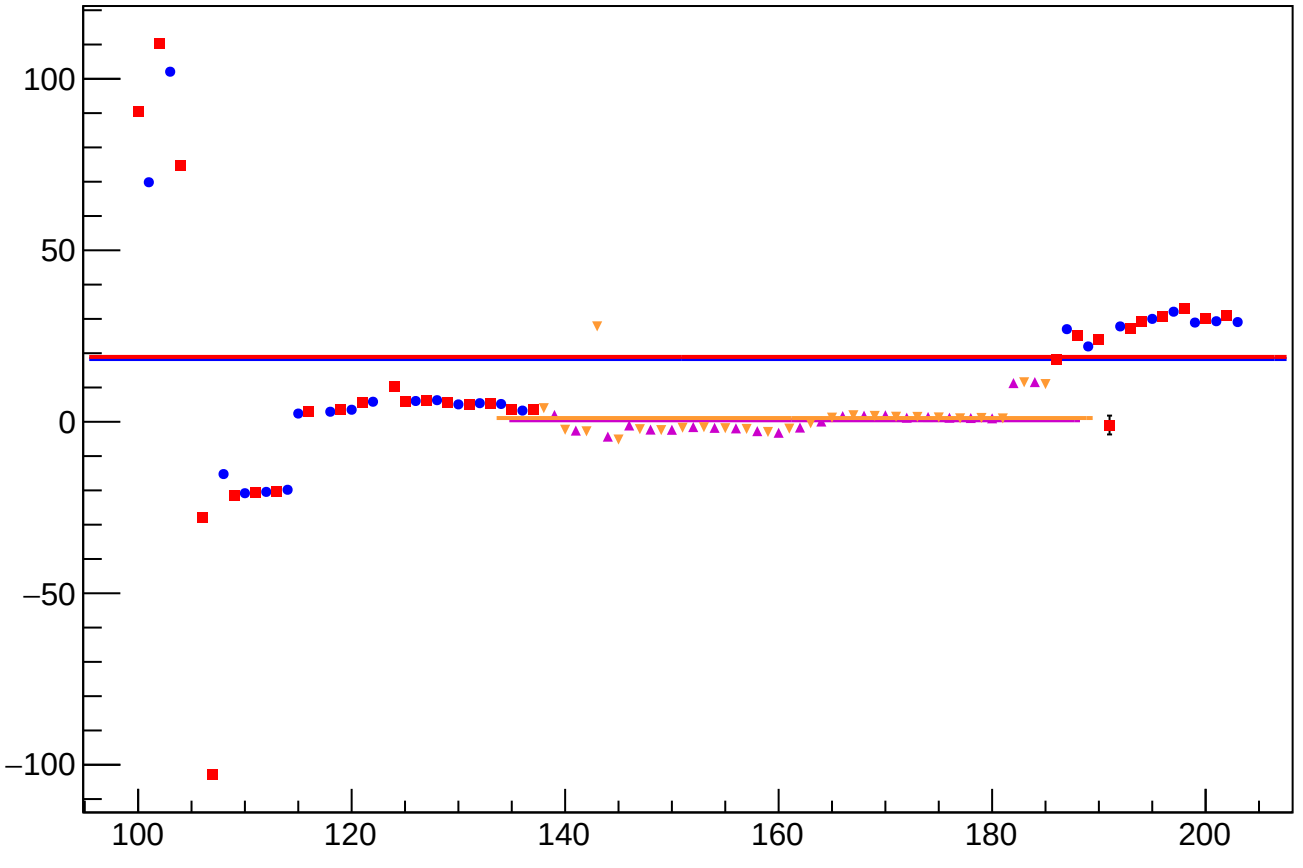
Left: 3.017+/-0.238 χ^2/NDF: 182.1/47

Right: -1.653+/-0.427 χ^2/NDF: 206.2/52

In: 1.833+/-0.299 χ^2/NDF:218.8/46

Out: 1.986+/-0.290 χ^2/NDF:260.5/53

All: 1.912+/-0.208 χ^2/NDF: 479.5/100



Right In: 18.297+/-0.030 χ^2/NDF: 461411.5/23

Left Out: 1.094+/-0.015 χ^2/NDF:128801.7/24

Right Out: 18.918+/-0.029 χ^2/NDF: 611484.1/28

Left In: 0.443+/-0.015 χ^2/NDF:53446.3/22

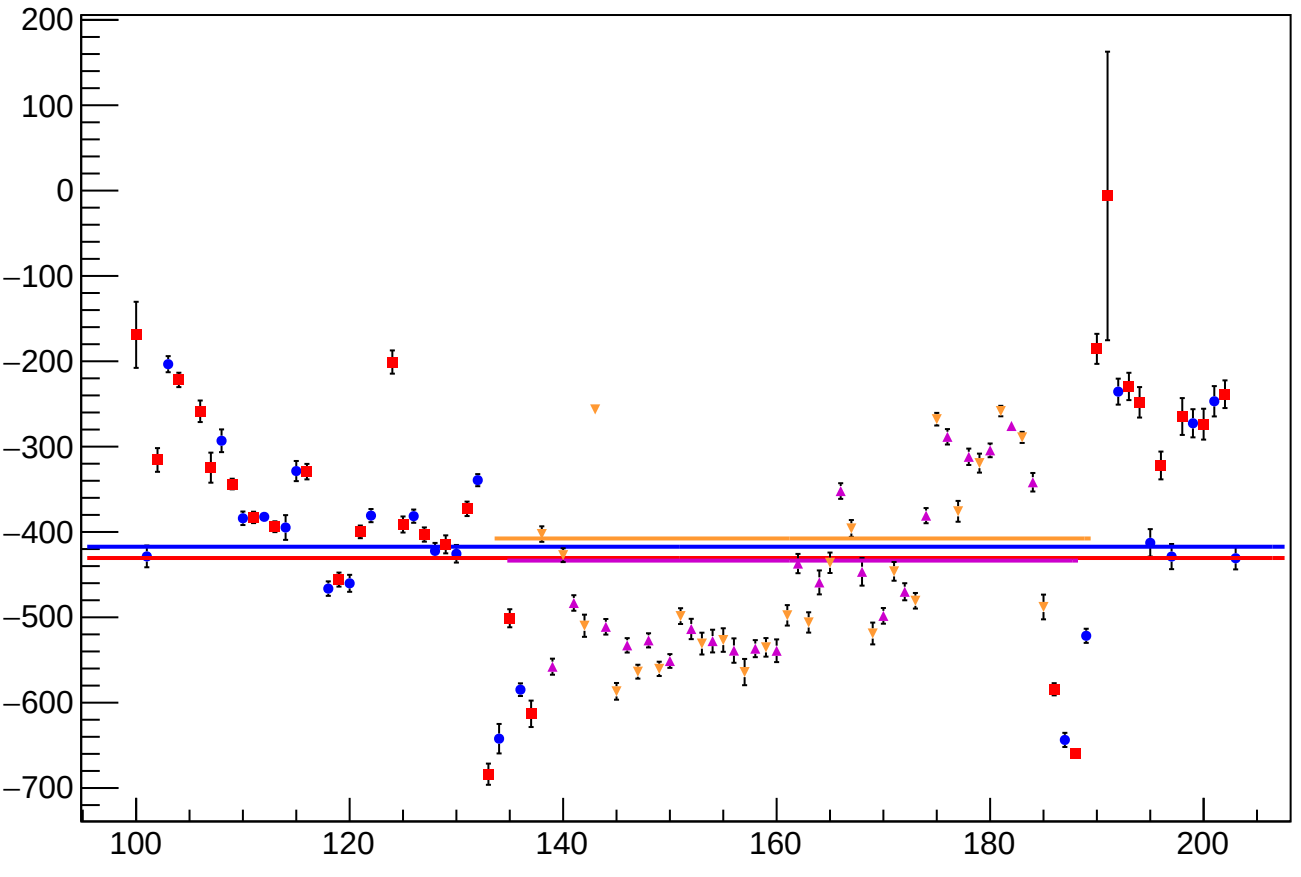
Left: 0.774+/-0.011 χ^2/NDF: 183195.5/47

Right: 18.611+/-0.021 χ^2/NDF: 1073118.9/52

In: 4.128+/-0.013 χ^2/NDF:803895.9/46

Out: 4.743+/-0.013 χ^2/NDF:1035697.6/53

All: 4.440+/-0.009 χ^2/NDF: 1840657.8/100



Right In: -417.287+/-1.982 χ^2/NDF: 2825.6/23

Left Out: -407.620+/-1.868 χ^2/NDF:4005.6/24

Right Out: -430.509+/-1.779 χ^2/NDF: 6310.4/28

Left In: -433.529+/-1.993 χ^2/NDF:2724.5/22

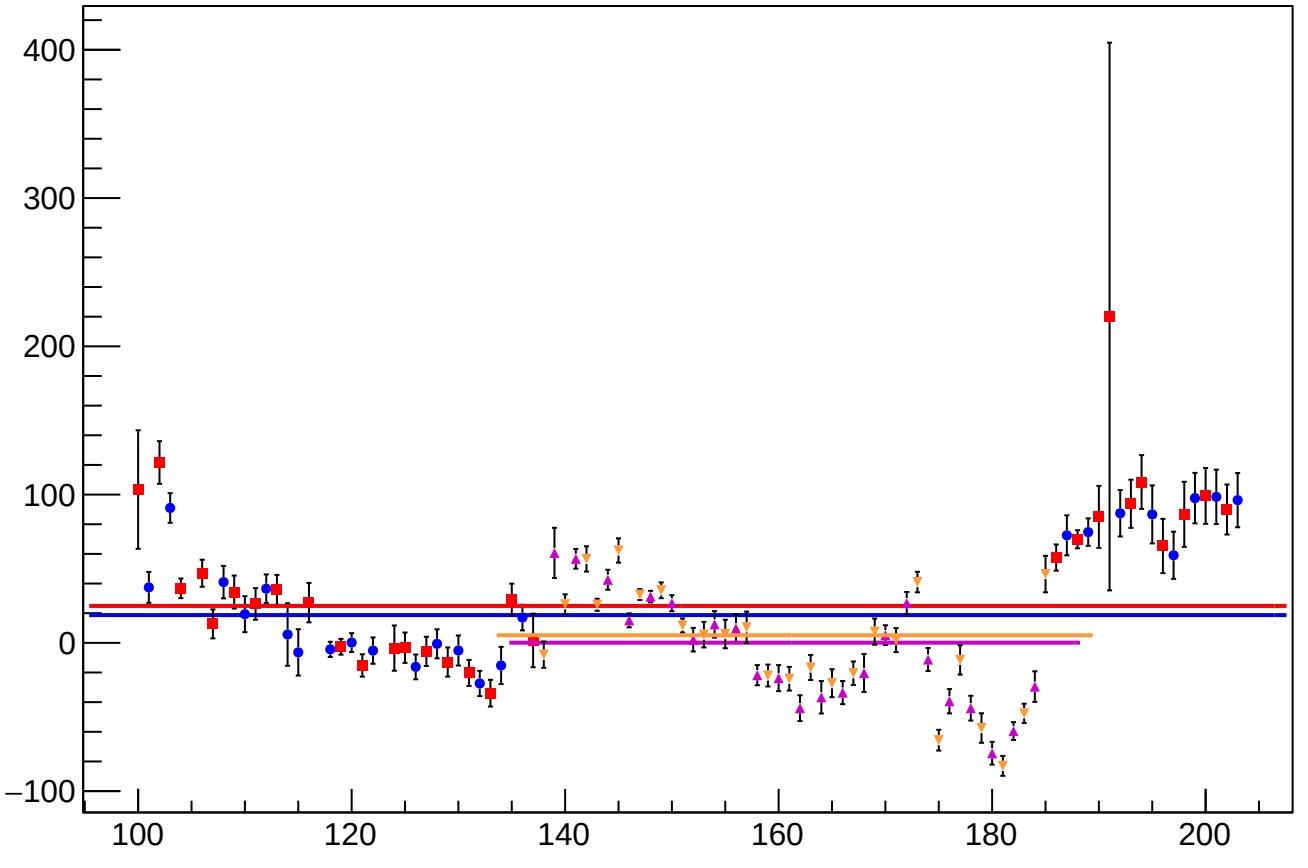
Left: -419.735+/-1.363 χ^2/NDF: 6820.1/47

Right: -424.610+/-1.324 χ^2/NDF: 9160.7/52

In: -425.362+/-1.405 χ^2/NDF:5583.6/46

Out: -419.624+/-1.288 χ^2/NDF:10394.7/53

All: -422.244+/-0.950 χ^2/NDF: 15987.4/100



Right In: 18.718+/-2.075 χ^2/NDF: 314.3/23

Left Out: 5.125+/-1.379 χ^2/NDF:689.2/24

Right Out: 24.894+/-1.934 χ^2/NDF: 382.6/28

Left In: 0.124+/-1.489 χ^2/NDF:568.6/22

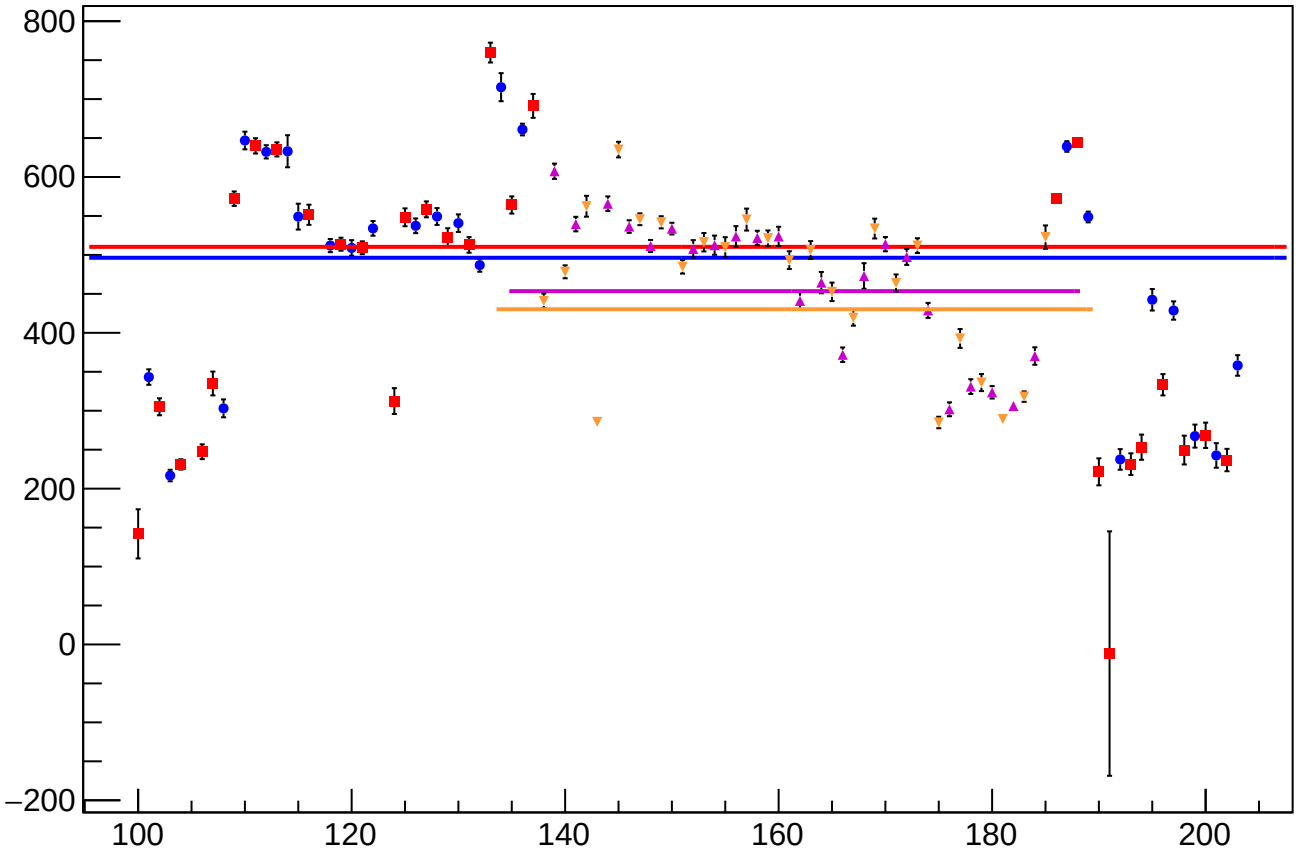
Left: 2.817+/-1.012 χ^2/NDF: 1263.8/47

Right: 22.023+/-1.415 χ^2/NDF: 701.6/52

In: 6.446+/-1.210 χ^2/NDF:935.9/46

Out: 11.787+/-1.123 χ^2/NDF:1141.0/53

All: 9.316+/-0.823 χ^2/NDF: 2087.4/100



Right In: 496.340+/-2.059 χ^2/NDF: 4676.1/23

Left Out: 430.238+/-1.861 χ^2/NDF:3405.1/24

Right Out: 510.363+/-1.784 χ^2/NDF: 7762.3/28

Left In: 453.496+/-1.974 χ^2/NDF:2419.7/22

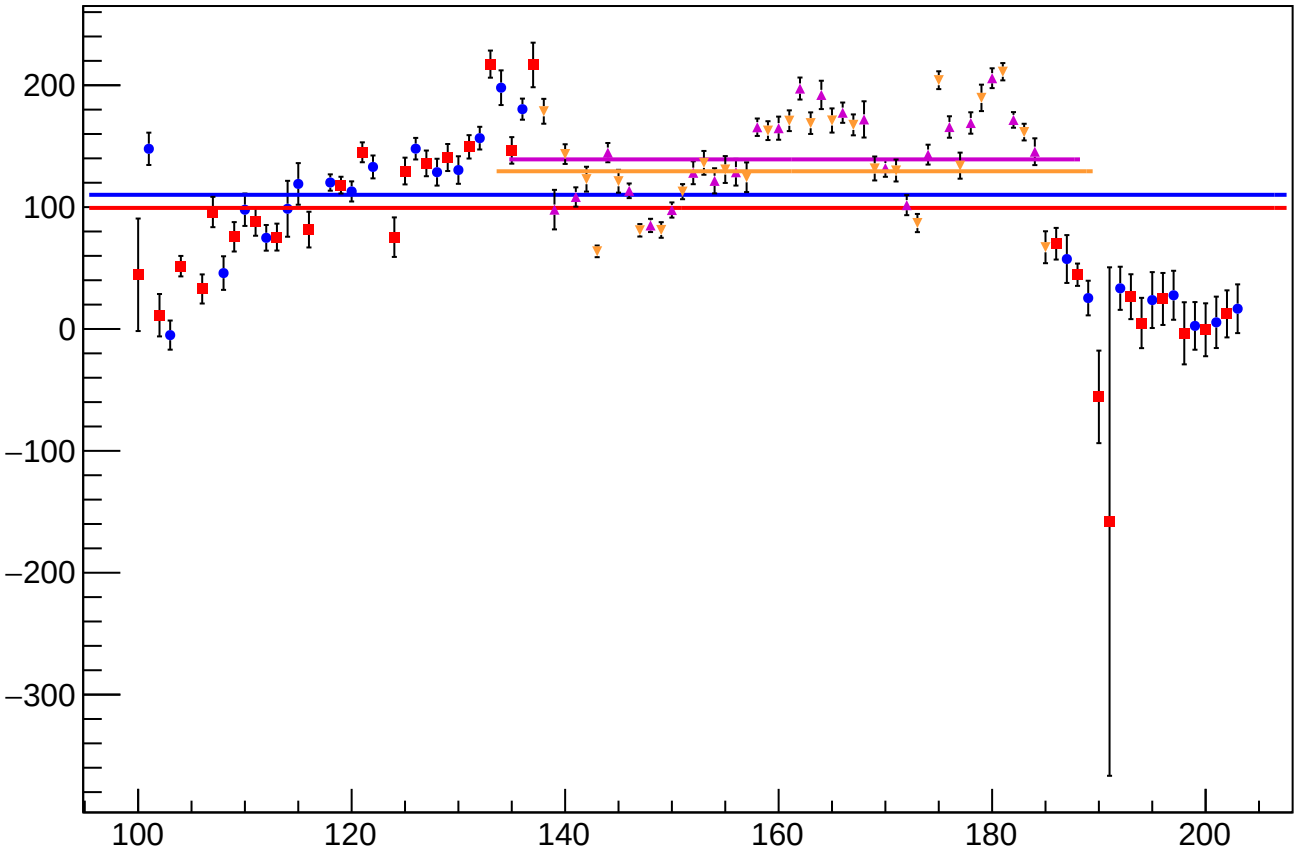
Left: 441.183+/-1.354 χ^2/NDF: 5898.2/47

Right: 504.350+/-1.348 χ^2/NDF: 12464.8/52

In: 474.012+/-1.425 χ^2/NDF:7321.3/46

Out: 471.988+/-1.288 χ^2/NDF:12133.2/53

All: 472.898+/-0.955 χ^2/NDF: 19455.7/100



Right In: 110.097+/-2.444 χ^2/NDF: 466.0/23

Left Out: 129.418+/-1.593 χ^2/NDF:814.3/24

Right Out: 99.340+/-2.314 χ^2/NDF: 541.3/28

Left In: 139.163+/-1.705 χ^2/NDF:434.2/22

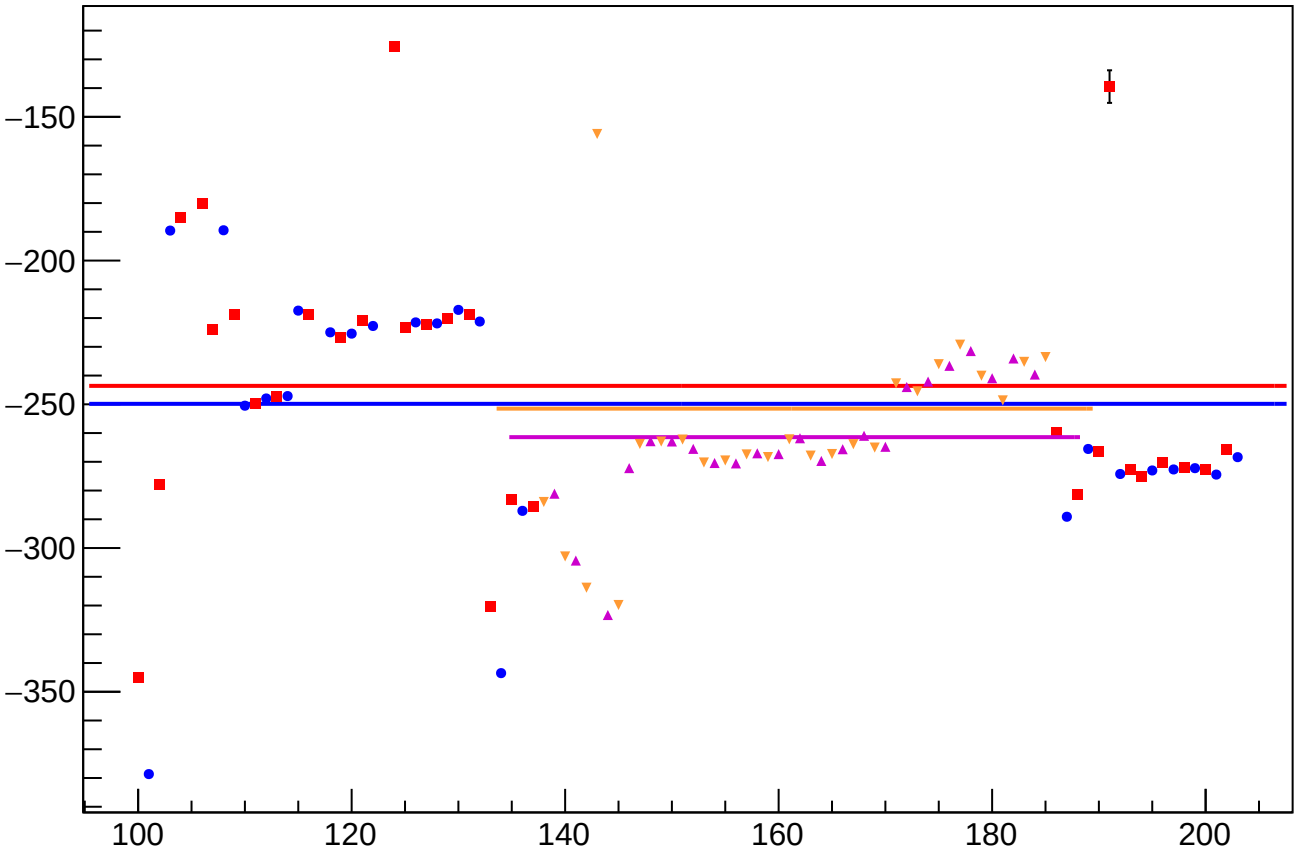
Left: 133.959+/-1.164 χ^2/NDF: 1265.9/47

Right: 104.423+/-1.680 χ^2/NDF: 1017.6/52

In: 129.650+/-1.398 χ^2/NDF:995.3/46

Out: 119.749+/-1.312 χ^2/NDF:1470.3/53

All: 124.384+/-0.957 χ^2/NDF: 2492.2/100



Right In: -249.837+/-0.127 χ^2/NDF: 147920.0/23

Left Out: -251.508+/-0.075 χ^2/NDF:254924.4/24

Right Out: -243.585+/-0.121 χ^2/NDF: 110909.3/28

Left In: -261.425+/-0.078 χ^2/NDF:69557.7/22

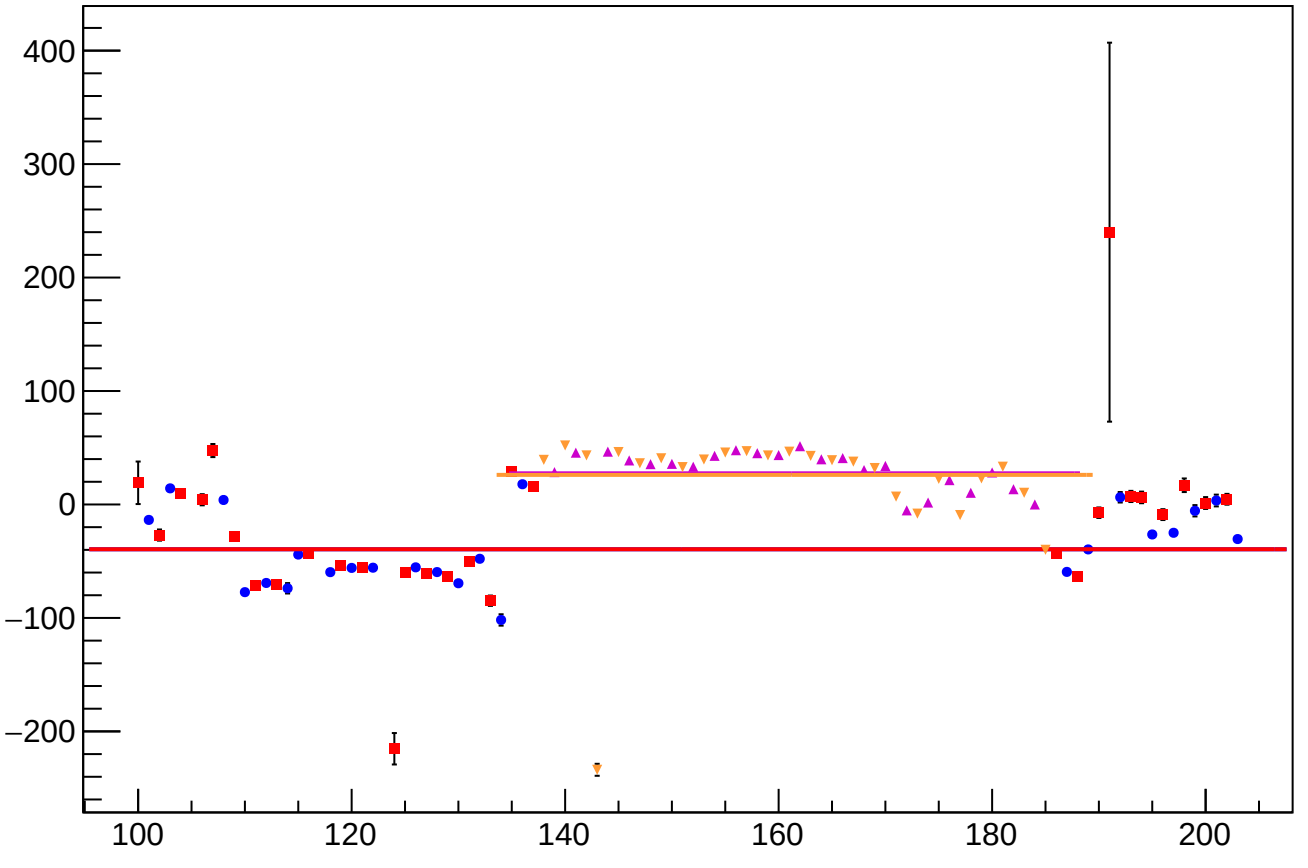
Left: -256.253+/-0.054 χ^2/NDF: 332939.5/47

Right: -246.567+/-0.087 χ^2/NDF: 260103.3/52

In: -258.246+/-0.066 χ^2/NDF:223552.3/46

Out: -249.325+/-0.063 χ^2/NDF:368942.1/53

All: -253.590+/-0.046 χ^2/NDF: 601932.5/100



Right In: -39.506+/-0.633 χ^2/NDF: 2712.2/23

Left Out: 26.087+/-0.390 χ^2/NDF:4785.1/24

Right Out: -39.456+/-0.555 χ^2/NDF: 3234.6/28

Left In: 27.466+/-0.396 χ^2/NDF:1608.9/22

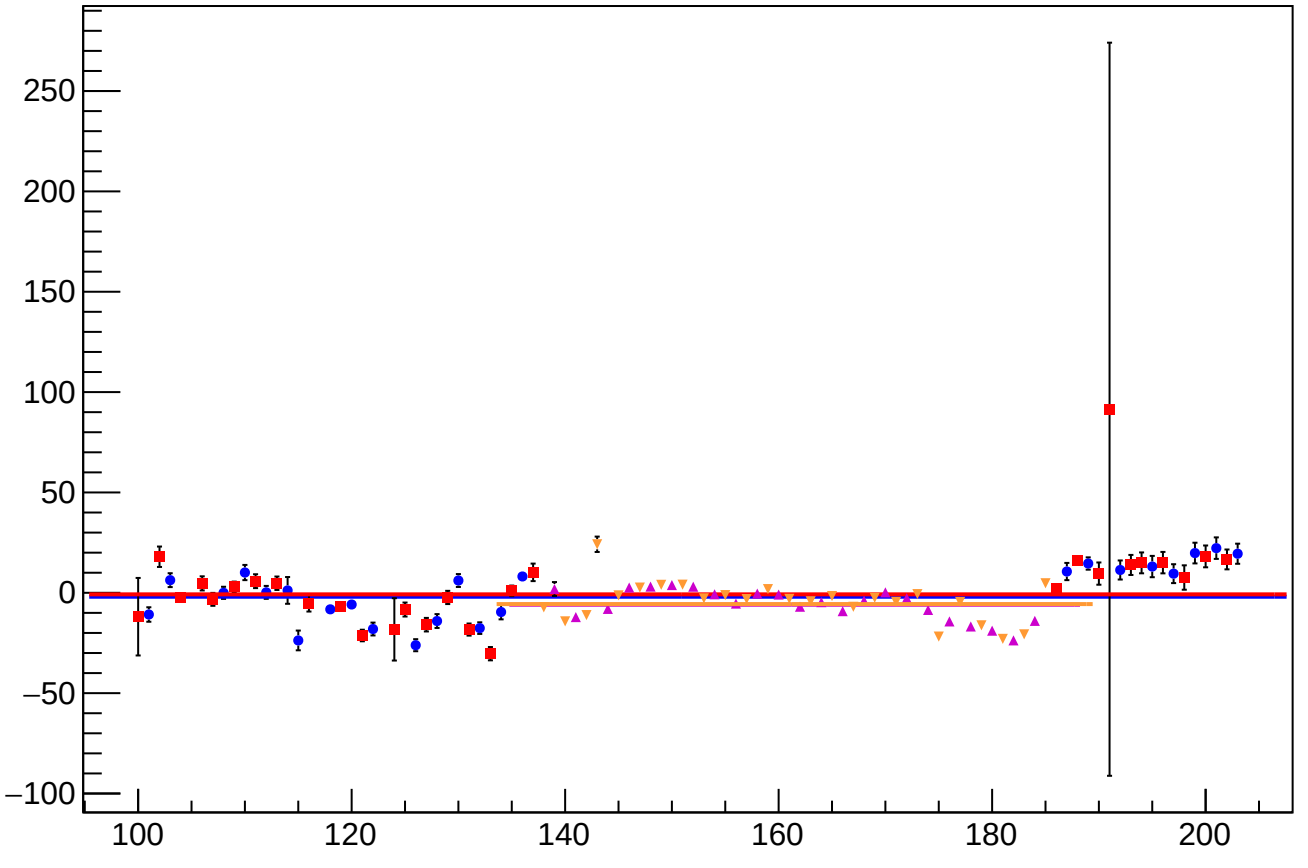
Left: 26.766+/-0.278 χ^2/NDF: 6400.2/47

Right: -39.478+/-0.417 χ^2/NDF: 5946.8/52

In: 8.642+/-0.336 χ^2/NDF:12369.0/46

Out: 4.433+/-0.319 χ^2/NDF:17365.4/53

All: 6.430+/-0.231 χ^2/NDF: 29817.1/100



Right In: -1.954+/-0.680 χ^2/NDF: 337.5/23

Left Out: -5.625+/-0.302 χ^2/NDF:893.3/24

Right Out: -0.771+/-0.628 χ^2/NDF: 355.5/28

Left In: -5.940+/-0.309 χ^2/NDF:712.2/22

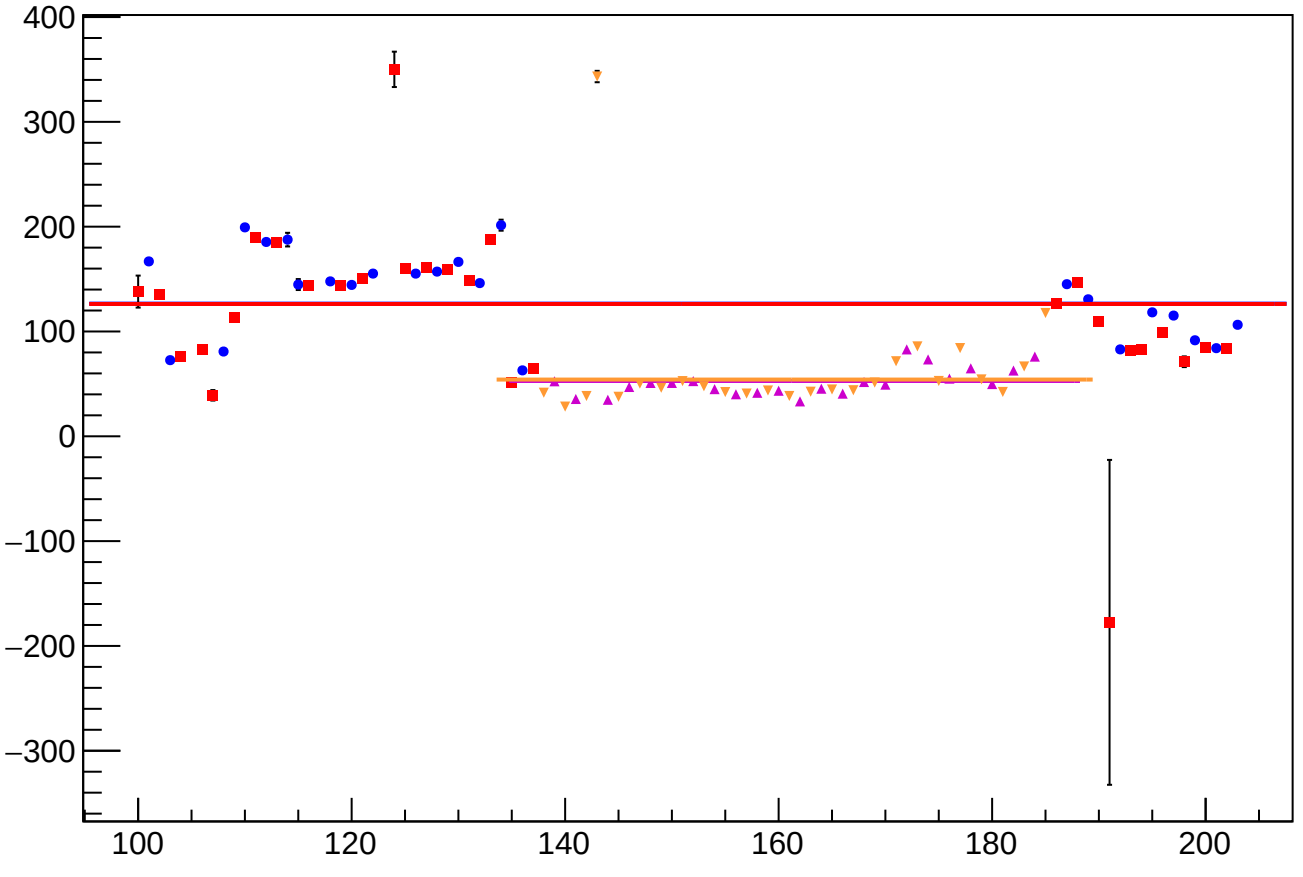
Left: -5.779+/-0.216 χ^2/NDF: 1606.1/47

Right: -1.316+/-0.462 χ^2/NDF: 694.6/52

In: -5.258+/-0.281 χ^2/NDF:1078.2/46

Out: -4.715+/-0.272 χ^2/NDF:1297.3/53

All: -4.977+/-0.196 χ^2/NDF: 2377.4/100



Right In: 126.557+/-0.653 χ^2/NDF: 4026.9/23

Left Out: 54.123+/-0.387 χ^2/NDF:4591.8/24

Right Out: 126.240+/-0.559 χ^2/NDF: 4350.6/28

Left In: 52.797+/-0.393 χ^2/NDF:978.1/22

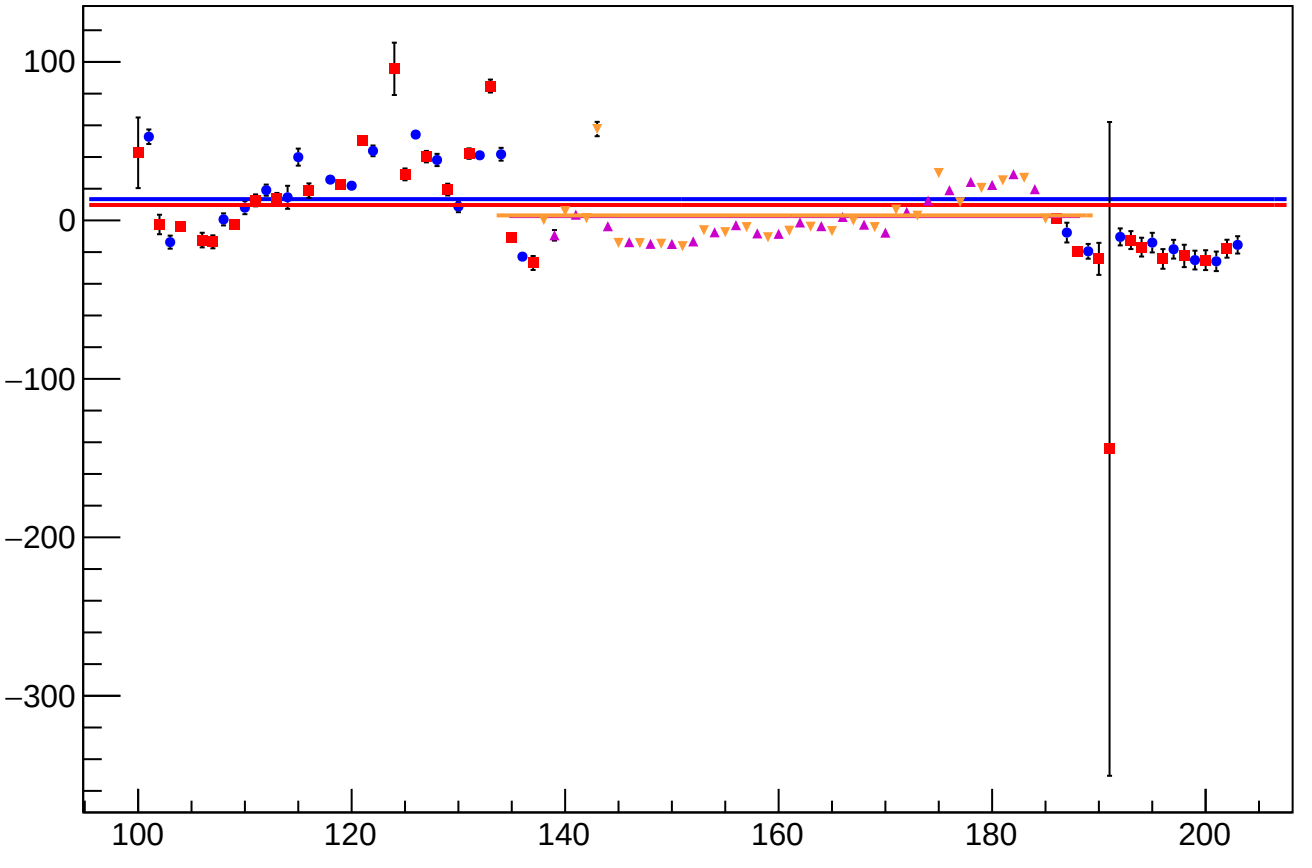
Left: 53.469+/-0.276 χ^2/NDF: 5575.7/47

Right: 126.374+/-0.425 χ^2/NDF: 8377.6/52

In: 72.370+/-0.336 χ^2/NDF:14371.4/46

Out: 77.513+/-0.318 χ^2/NDF:20189.1/53

All: 75.084+/-0.231 χ^2/NDF: 34683.9/100



Right In: 13.425+/-0.790 χ^2/NDF: 1140.1/23

Left Out: 3.155+/-0.340 χ^2/NDF:2012.4/24

Right Out: 9.730+/-0.749 χ^2/NDF: 1248.8/28

Left In: 2.722+/-0.347 χ^2/NDF:1735.2/22

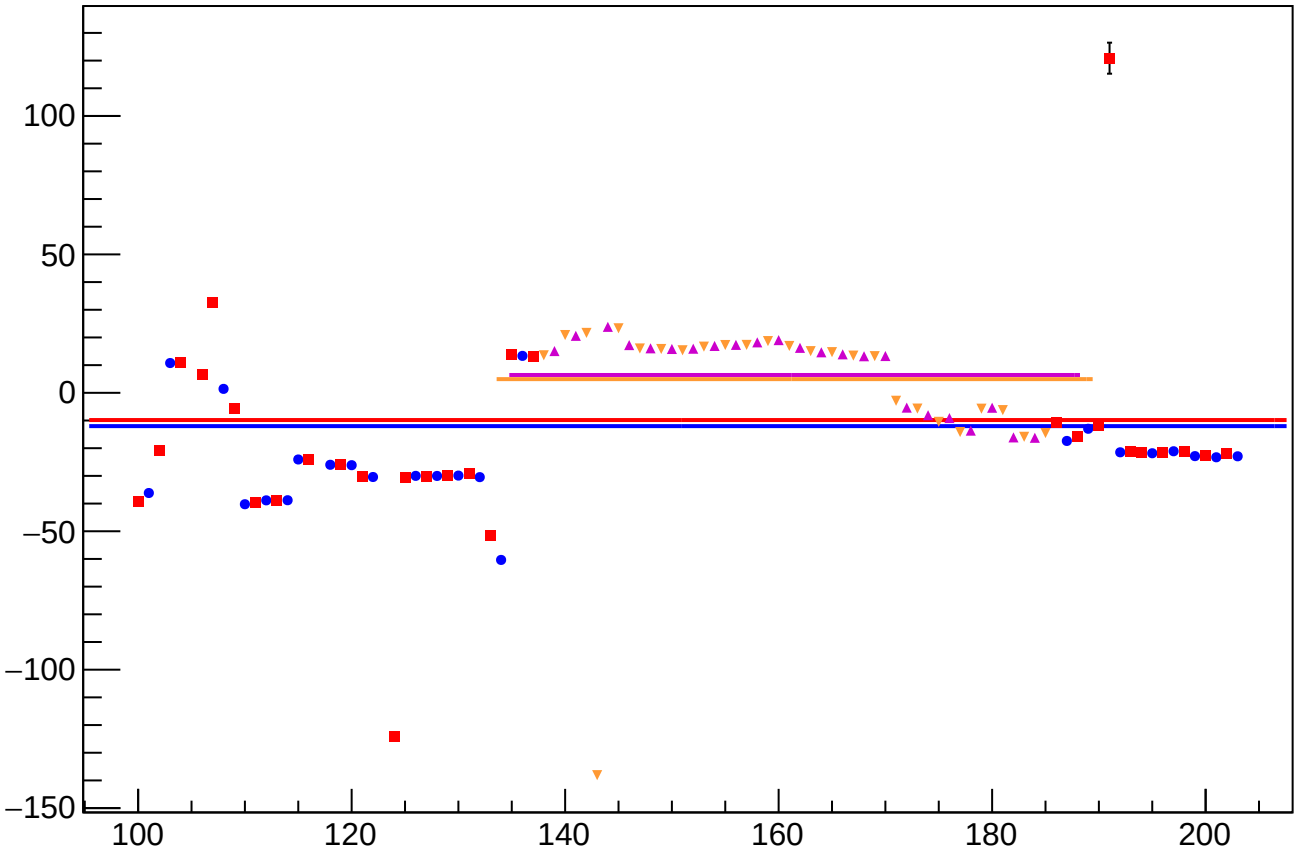
Left: 2.943+/-0.243 χ^2/NDF: 3748.4/47

Right: 11.480+/-0.544 χ^2/NDF: 2400.4/52

In: 4.450+/-0.317 χ^2/NDF:3029.1/46

Out: 4.276+/-0.310 χ^2/NDF:3325.0/53

All: 4.361+/-0.222 χ^2/NDF: 6354.3/100



Right In: -12.027+/-0.038 χ^2/NDF: 294616.8/23

Left Out: 4.946+/-0.015 χ^2/NDF:1136506.7/24

Right Out: -9.831+/-0.037 χ^2/NDF: 269504.1/28

Left In: 6.444+/-0.015 χ^2/NDF:729692.1/22

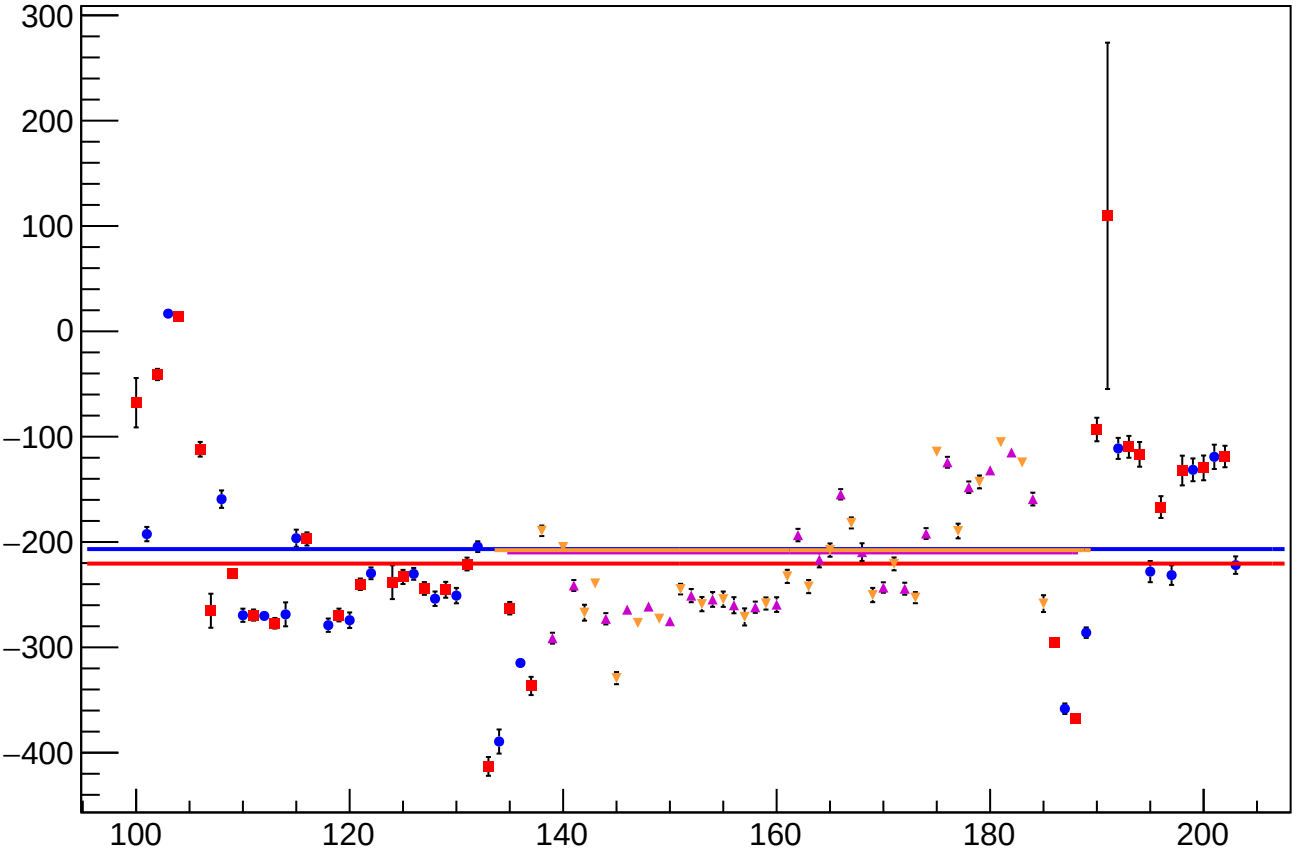
Left: 5.689+/-0.011 χ^2/NDF: 1871009.0/47

Right: -10.909+/-0.027 χ^2/NDF: 565808.2/52

In: 3.873+/-0.014 χ^2/NDF:1226192.3/46

Out: 2.853+/-0.014 χ^2/NDF:1539554.4/53

All: 3.358+/-0.010 χ^2/NDF: 2768340.8/100



Right In: -206.725+/-1.251 χ^2/NDF: 8728.3/23

Left Out: -207.745+/-1.070 χ^2/NDF:3487.2/24

Right Out: -220.480+/-1.124 χ^2/NDF: 12168.7/28

Left In: -209.875+/-1.101 χ^2/NDF:3011.9/22

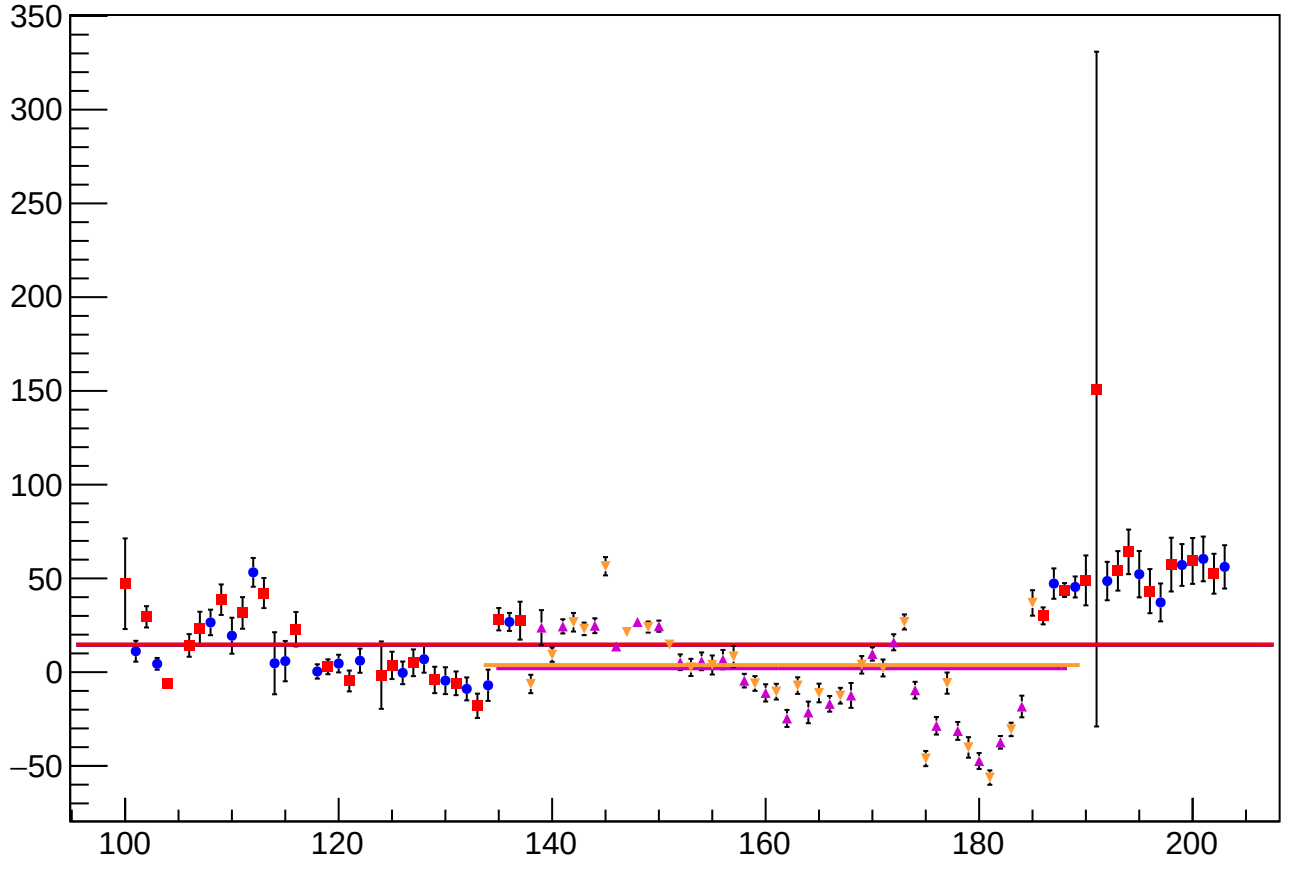
Left: -208.779+/-0.767 χ^2/NDF: 6500.9/47

Right: -214.337+/-0.836 χ^2/NDF: 20963.9/52

In: -208.500+/-0.827 χ^2/NDF:11743.7/46

Out: -213.799+/-0.775 χ^2/NDF:15723.2/53

All: -211.320+/-0.565 χ^2/NDF: 27488.8/100



Right In: 14.576+/-1.314 χ^2/NDF: 216.9/23

Left Out: 3.770+/-0.787 χ^2/NDF:972.1/24

Right Out: 14.707+/-1.182 χ^2/NDF: 337.2/28

Left In: 2.079+/-0.820 χ^2/NDF:770.2/22

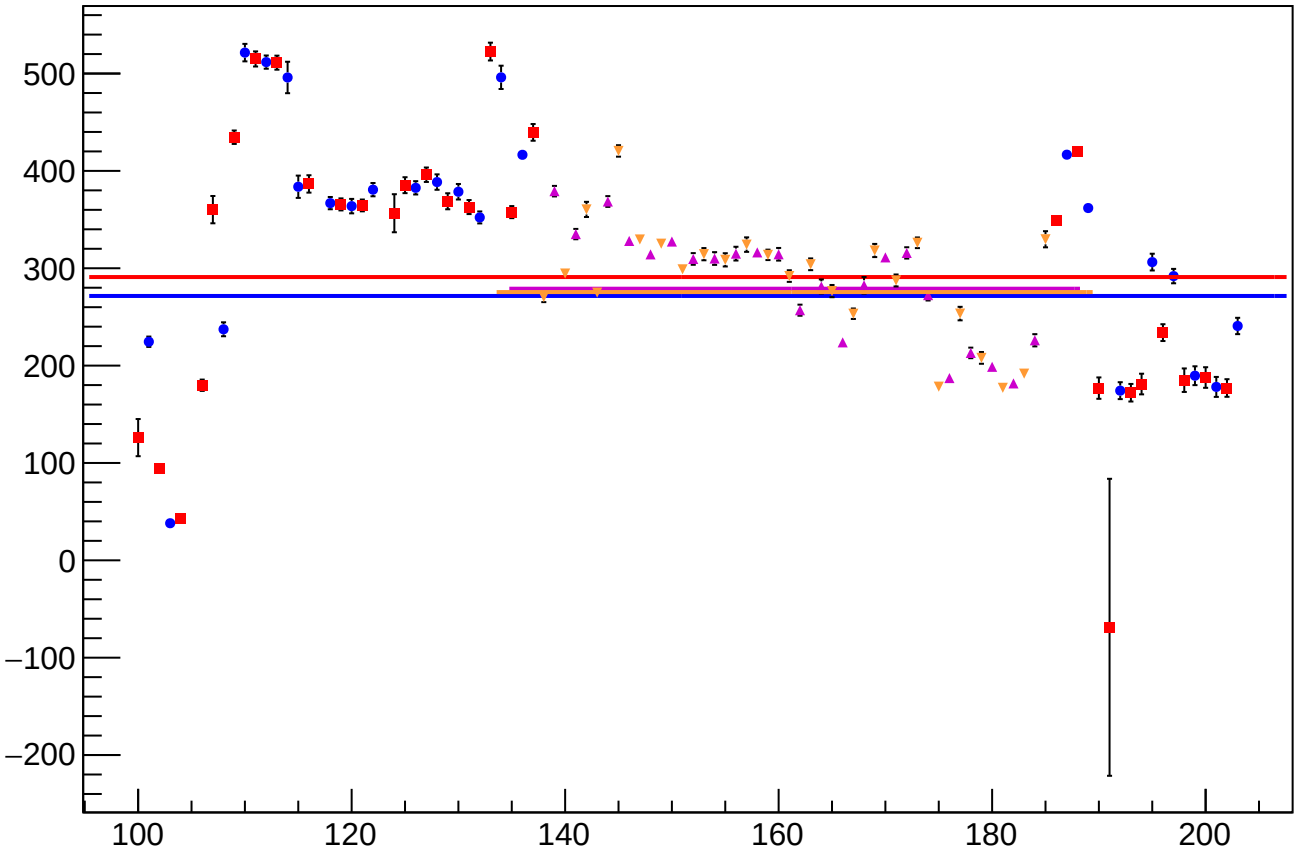
Left: 2.959+/-0.568 χ^2/NDF: 1744.5/47

Right: 14.648+/-0.879 χ^2/NDF: 554.1/52

In: 5.581+/-0.696 χ^2/NDF:1052.2/46

Out: 7.131+/-0.655 χ^2/NDF:1368.6/53

All: 6.402+/-0.477 χ^2/NDF: 2423.5/100



Right In: 271.540+/-1.203 χ^2/NDF: 17594.5/23

Left Out: 275.536+/-1.062 χ^2/NDF:3323.1/24

Right Out: 290.964+/-1.049 χ^2/NDF: 21880.4/28

Left In: 278.989+/-1.089 χ^2/NDF:3114.7/22

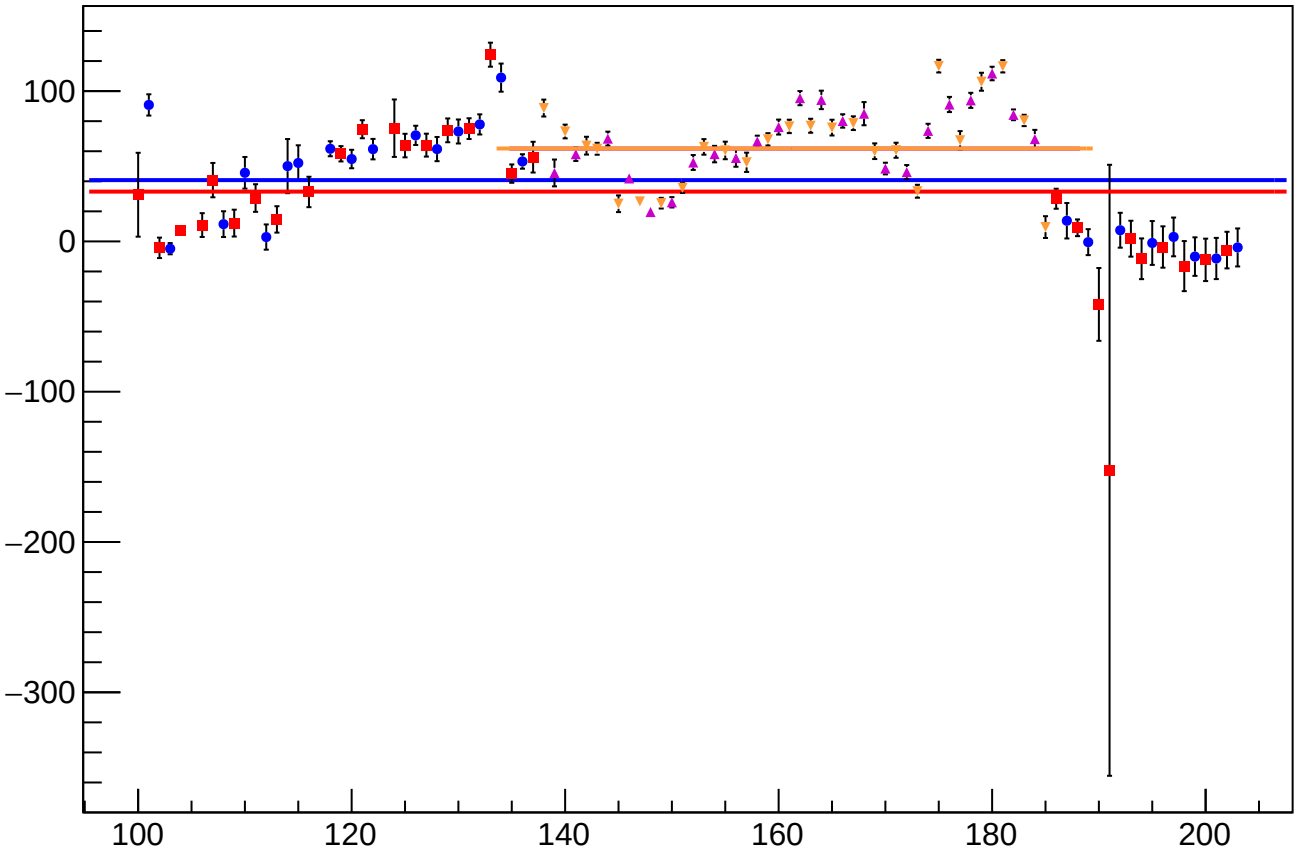
Left: 277.219+/-0.760 χ^2/NDF: 6443.0/47

Right: 282.569+/-0.791 χ^2/NDF: 39623.0/52

In: 275.634+/-0.807 χ^2/NDF:20730.2/46

Out: 283.343+/-0.746 χ^2/NDF:25310.3/53

All: 279.790+/-0.548 χ^2/NDF: 46089.7/100



Right In: 40.779+/-1.551 χ^2/NDF: 495.8/23

Left Out: 61.818+/-0.907 χ^2/NDF:959.5/24

Right Out: 33.136+/-1.440 χ^2/NDF: 514.5/28

Left In: 61.763+/-0.939 χ^2/NDF:736.0/22

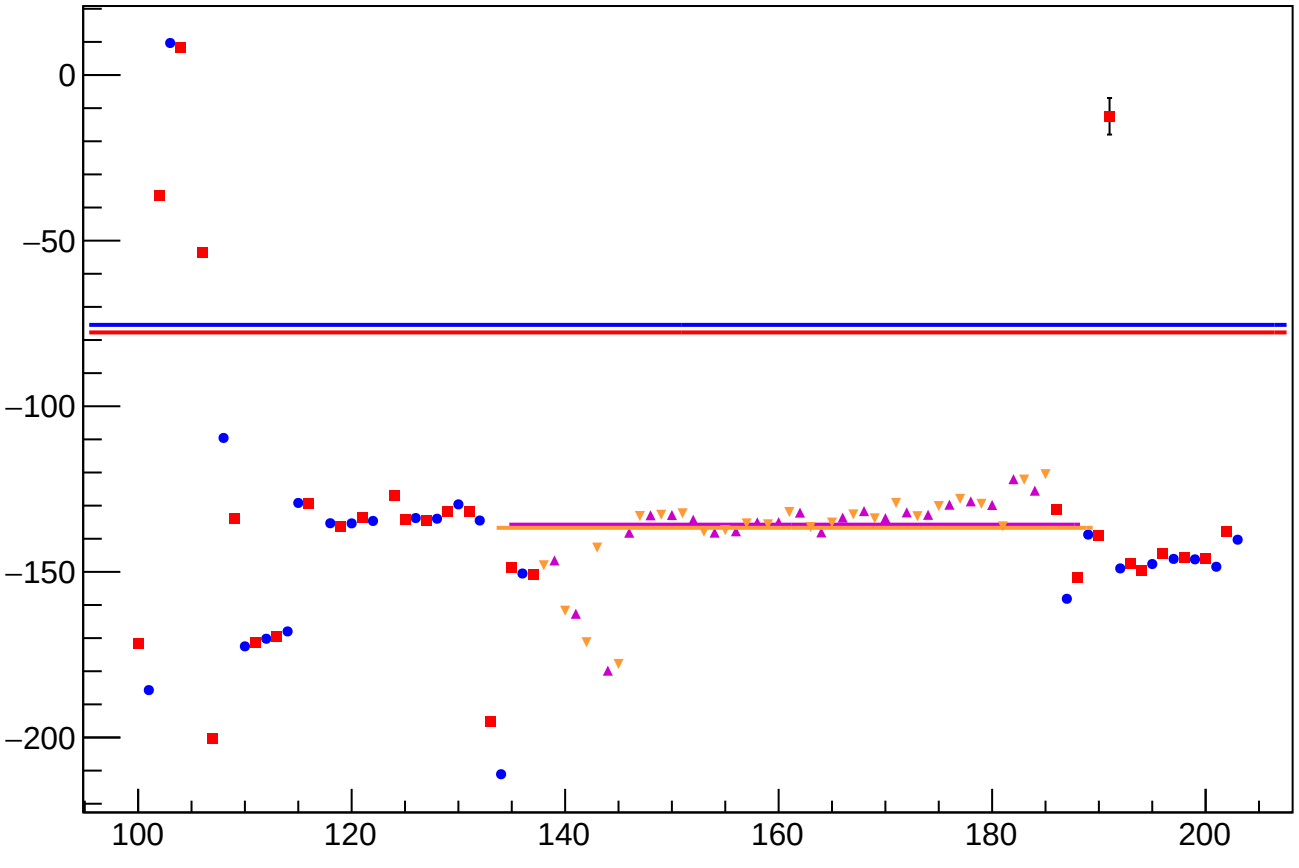
Left: 61.791+/-0.652 χ^2/NDF: 1695.5/47

Right: 36.675+/-1.055 χ^2/NDF: 1023.3/52

In: 56.135+/-0.803 χ^2/NDF:1365.8/46

Out: 53.663+/-0.768 χ^2/NDF:1757.9/53

All: 54.844+/-0.555 χ^2/NDF: 3128.7/100



Right In: -75.428+/-0.065 χ^2/NDF: 1500402.5/23

Left Out: -136.695+/-0.042 χ^2/NDF:79006.9/24

Right Out: -77.707+/-0.065 χ^2/NDF: 1194220.2/28

Left In: -135.745+/-0.043 χ^2/NDF:63681.9/22

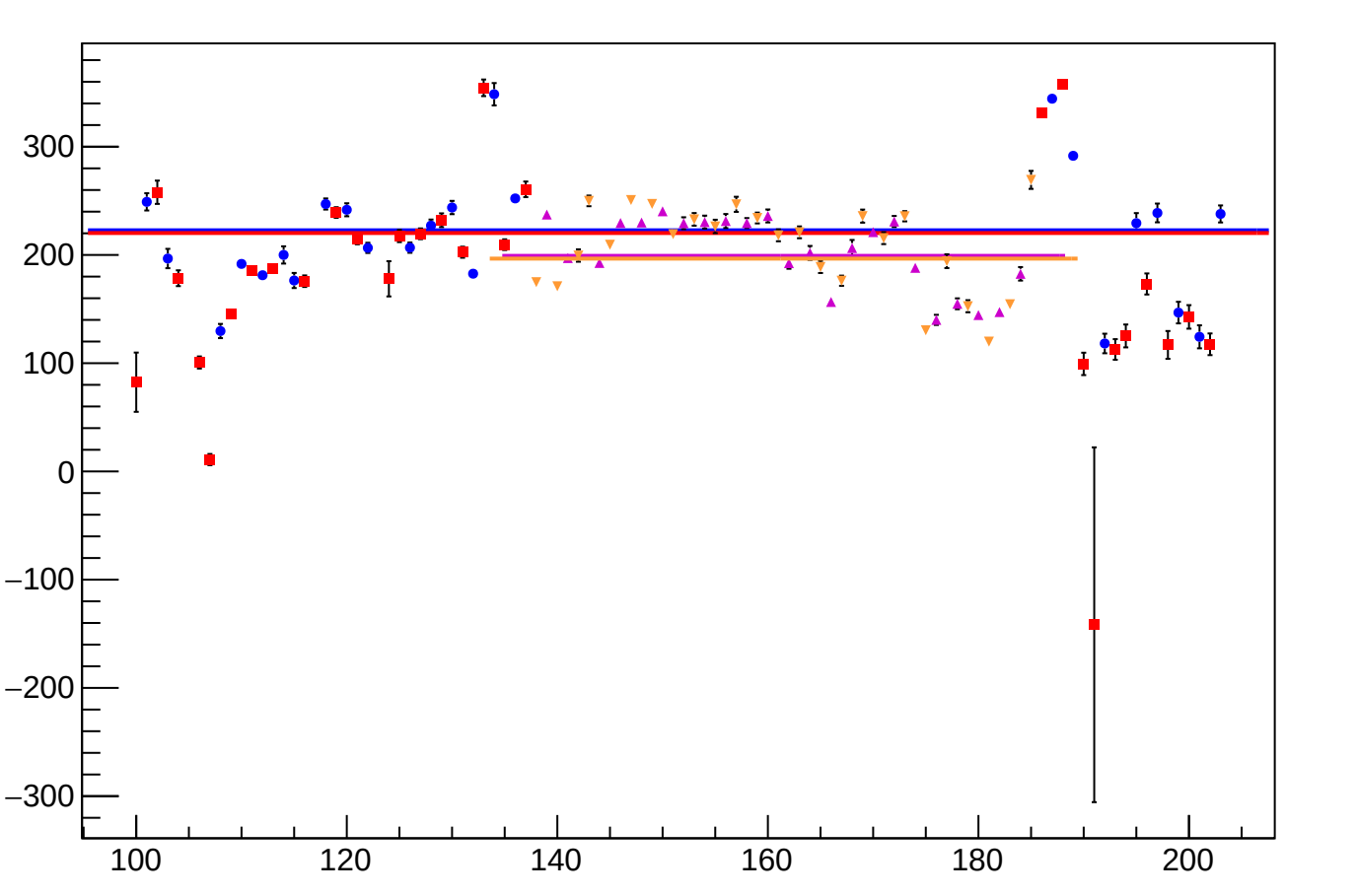
Left: -136.226+/-0.030 χ^2/NDF: 142938.0/47

Right: -76.572+/-0.046 χ^2/NDF: 2695232.5/52

In: -117.652+/-0.036 χ^2/NDF:2159734.9/46

Out: -119.220+/-0.035 χ^2/NDF:1850783.6/53

All: -118.444+/-0.025 χ^2/NDF: 4011487.2/10



Right In: 222.778+/-1.144 χ^2/NDF: 2103.6/23

Left Out: 196.615+/-0.946 χ^2/NDF:2075.5/24

Right Out: 220.271+/-0.998 χ^2/NDF: 8089.5/28

Left In: 199.153+/-0.973 χ^2/NDF:1294.6/22

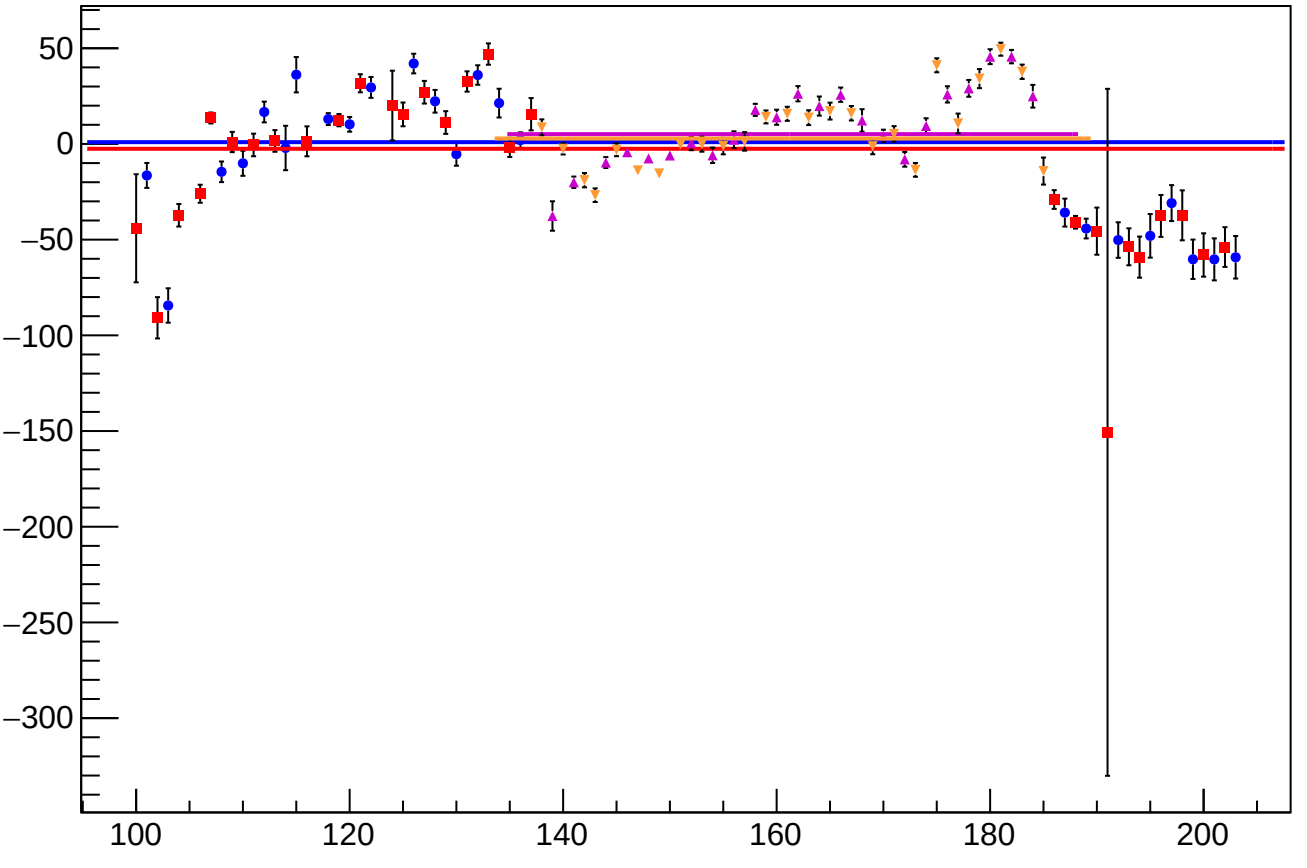
Left: 197.849+/-0.678 χ^2/NDF: 3373.6/47

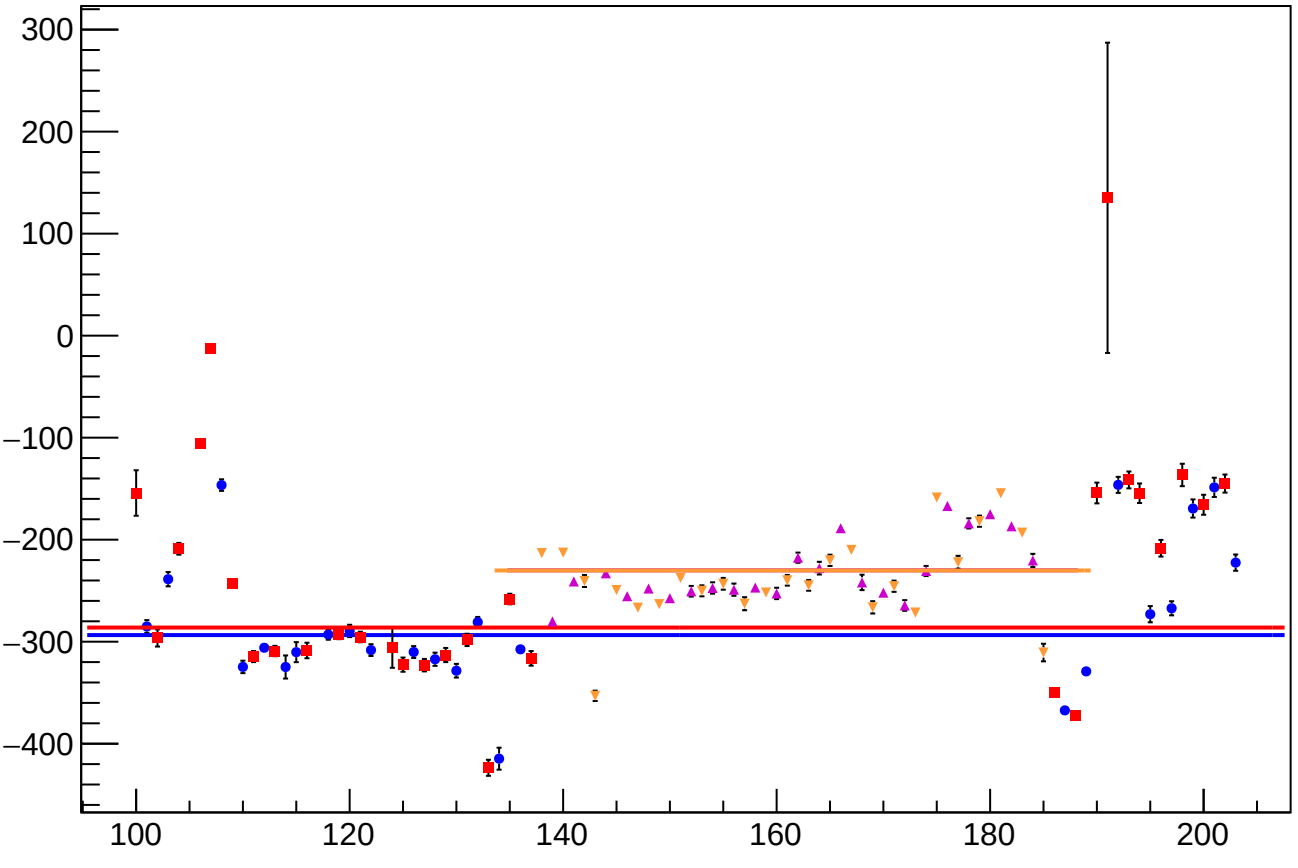
Right: 221.355+/-0.752 χ^2/NDF: 10195.8/52

In: 209.072+/-0.741 χ^2/NDF:3645.9/46

Out: 207.818+/-0.687 χ^2/NDF:10460.9/53

All: 208.397+/-0.504 χ^2/NDF: 14108.3/100


reg_asym_atl1r2_dd_diff_bpm4aY_slope vs Slug, Sign Corrected
50
0
−50
−100
−150
−200
−250
−300
100
120
140
160
180
200
Right In: 0.929+/-1.216 χ²/NDF: 571.1/23
Left Out: 2.870+/-0.693 χ²/NDF:752.8/24
Right Out: -2.523+/-1.080 χ²/NDF: 701.2/28
Left In: 5.126+/-0.718 χ²/NDF:628.6/22
Left: 3.958+/-0.499 χ²/NDF: 1386.5/47
Right: -1.001+/-0.808 χ²/NDF: 1276.8/52
In: 4.041+/-0.618 χ²/NDF:1208.6/46
Out: 1.298+/-0.583 χ²/NDF:1471.6/53
All: 2.590+/-0.424 χ²/NDF: 2690.6/100



Right In: -293.519+/-1.196 χ^2/NDF: 2351.0/23

Left Out: -230.182+/-0.939 χ^2/NDF:2181.9/24

Right Out: -286.135+/-1.006 χ^2/NDF: 9884.7/28

Left In: -230.047+/-0.961 χ^2/NDF:1094.0/22

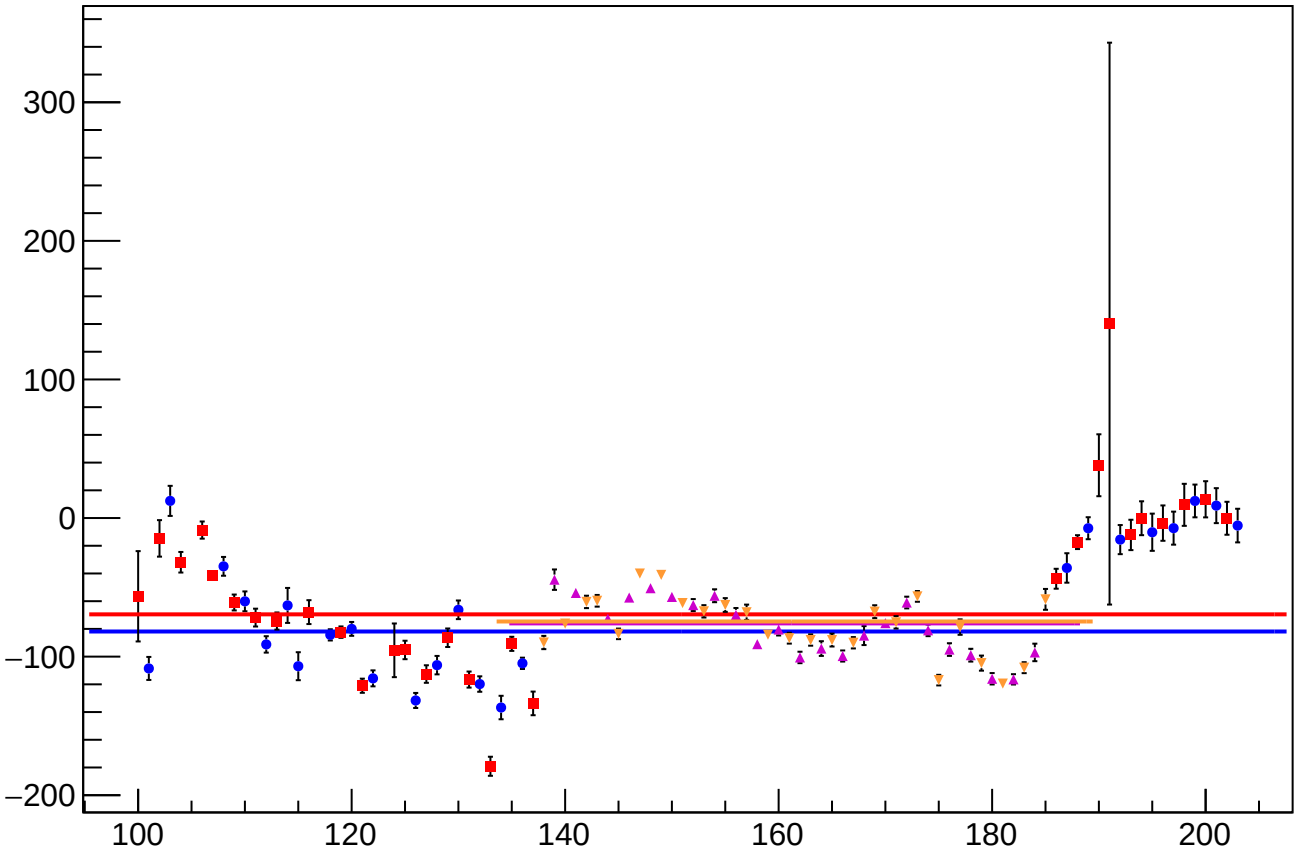
Left: -230.116+/-0.672 χ^2/NDF: 3275.9/47

Right: -289.196+/-0.770 χ^2/NDF: 12258.0/52

In: -254.947+/-0.749 χ^2/NDF:5156.4/46

Out: -256.220+/-0.687 χ^2/NDF:13719.1/53

All: -255.639+/-0.506 χ^2/NDF: 18877.0/100



Right In: -81.874+/-1.427 χ^2/NDF: 780.7/23

Left Out: -74.644+/-0.801 χ^2/NDF:831.0/24

Right Out: -69.499+/-1.298 χ^2/NDF: 1109.6/28

Left In: -76.025+/-0.824 χ^2/NDF:646.0/22

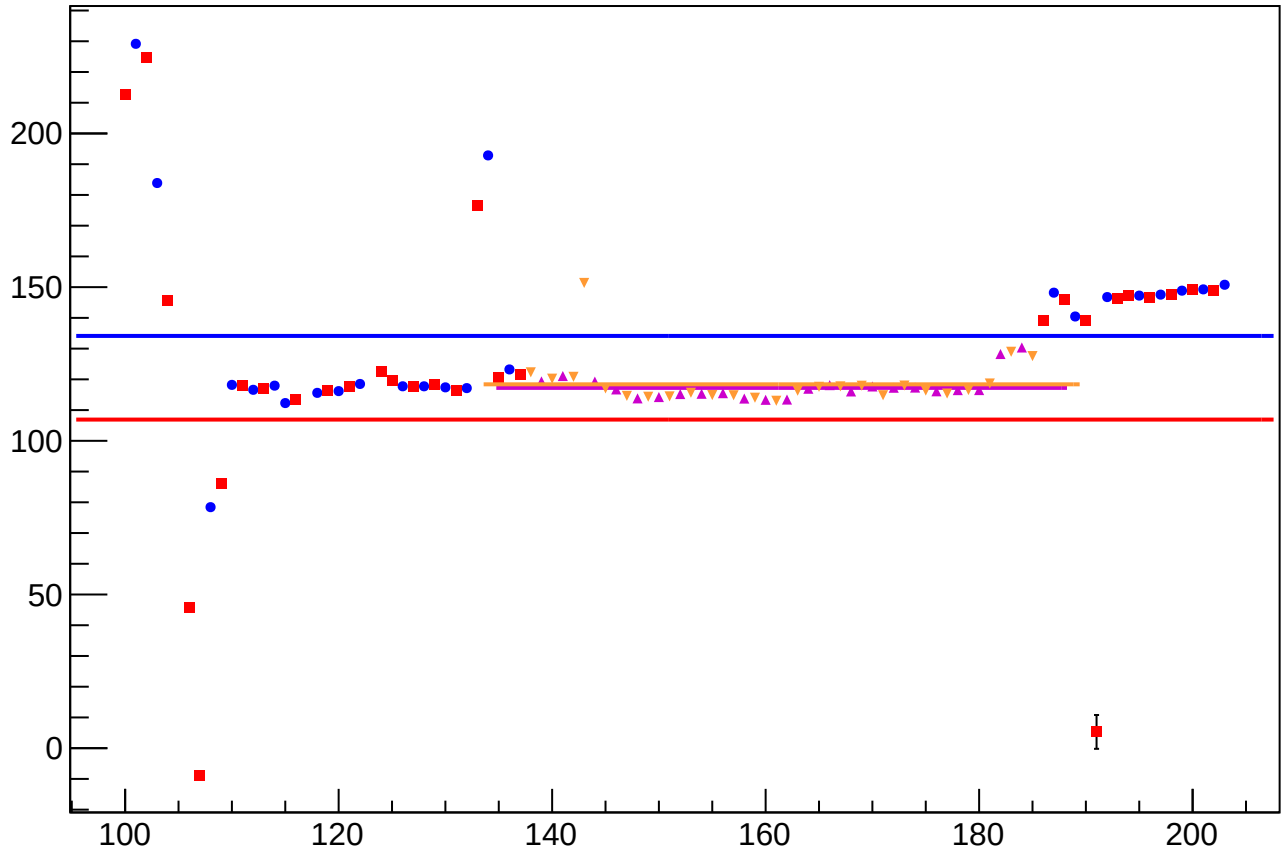
Left: -75.315+/-0.574 χ^2/NDF: 1478.5/47

Right: -75.106+/-0.960 χ^2/NDF: 1931.4/52

In: -77.489+/-0.714 χ^2/NDF:1439.3/46

Out: -73.226+/-0.682 χ^2/NDF:1951.9/53

All: -75.260+/-0.493 χ^2/NDF: 3409.9/100



Right In: 134.131+/-0.075 χ^2/NDF: 196615.0/23

Left Out: 118.382+/-0.037 χ^2/NDF:34938.1/24

Right Out: 106.912+/-0.067 χ^2/NDF: 742894.1/28

Left In: 117.225+/-0.038 χ^2/NDF:10227.9/22

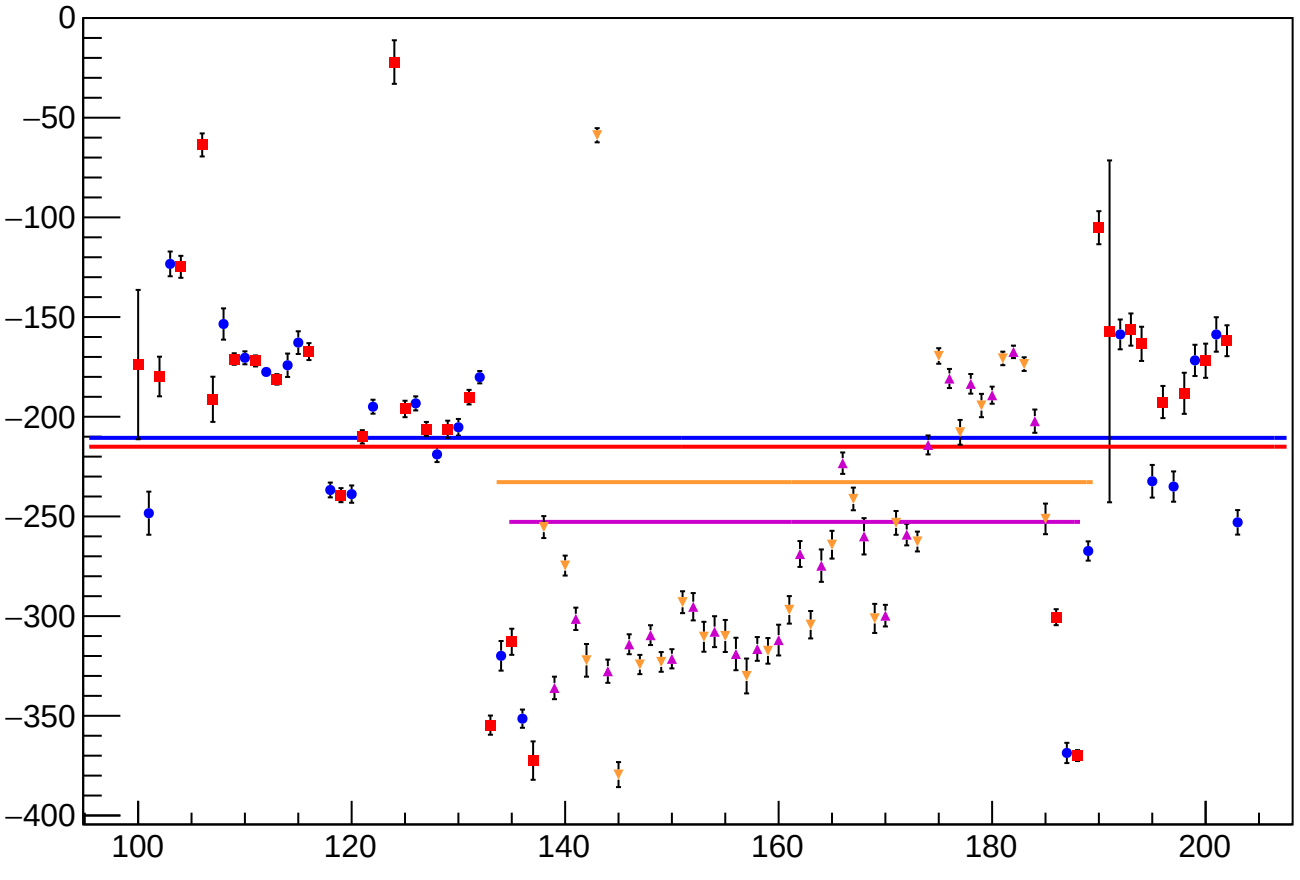
Left: 117.809+/-0.026 χ^2/NDF: 45643.3/47

Right: 118.990+/-0.050 χ^2/NDF: 1012734.9/52

In: 120.620+/-0.034 χ^2/NDF:247427.9/46

Out: 115.671+/-0.033 χ^2/NDF:800210.6/53

All: 118.067+/-0.023 χ^2/NDF: 1058814.3/100



Right In: -210.587+/-0.936 χ^2/NDF: 3390.0/23

Left Out: -232.800+/-1.072 χ^2/NDF:5764.0/24

Right Out: -215.028+/-0.861 χ^2/NDF: 7530.2/28

Left In: -252.738+/-1.131 χ^2/NDF:2913.9/22

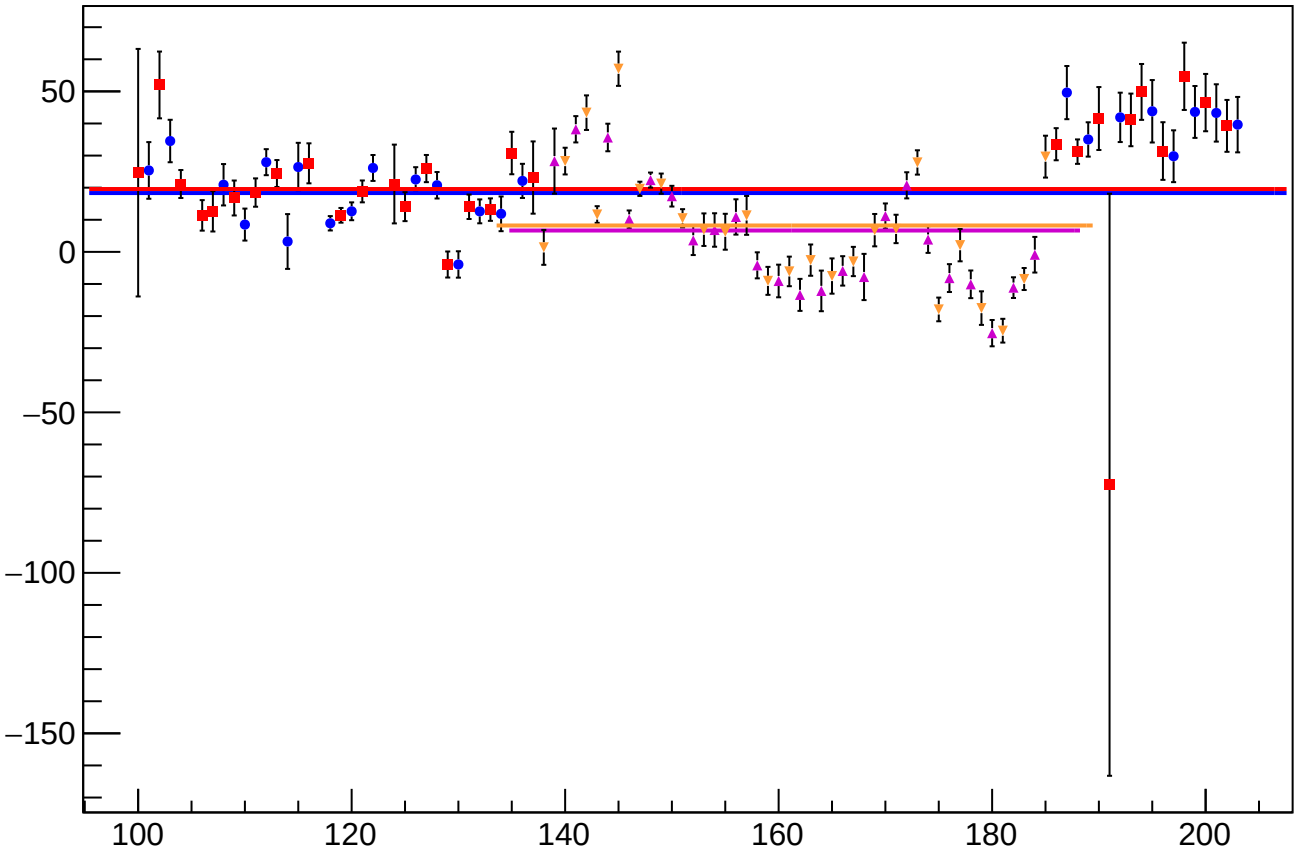
Left: -242.237+/-0.778 χ^2/NDF: 8841.6/47

Right: -212.993+/-0.634 χ^2/NDF: 10932.3/52

In: -227.727+/-0.721 χ^2/NDF:7128.4/46

Out: -221.999+/-0.671 χ^2/NDF:13461.2/53

All: -224.659+/-0.491 χ^2/NDF: 20623.4/100



Right In: 18.325+/-0.978 χ^2/NDF: 147.4/23

Left Out: 8.222+/-0.803 χ^2/NDF:457.9/24

Right Out: 19.584+/-0.942 χ^2/NDF: 146.1/28

Left In: 6.657+/-0.858 χ^2/NDF:354.8/22

Left: 7.492+/-0.586 χ^2/NDF: 814.5/47

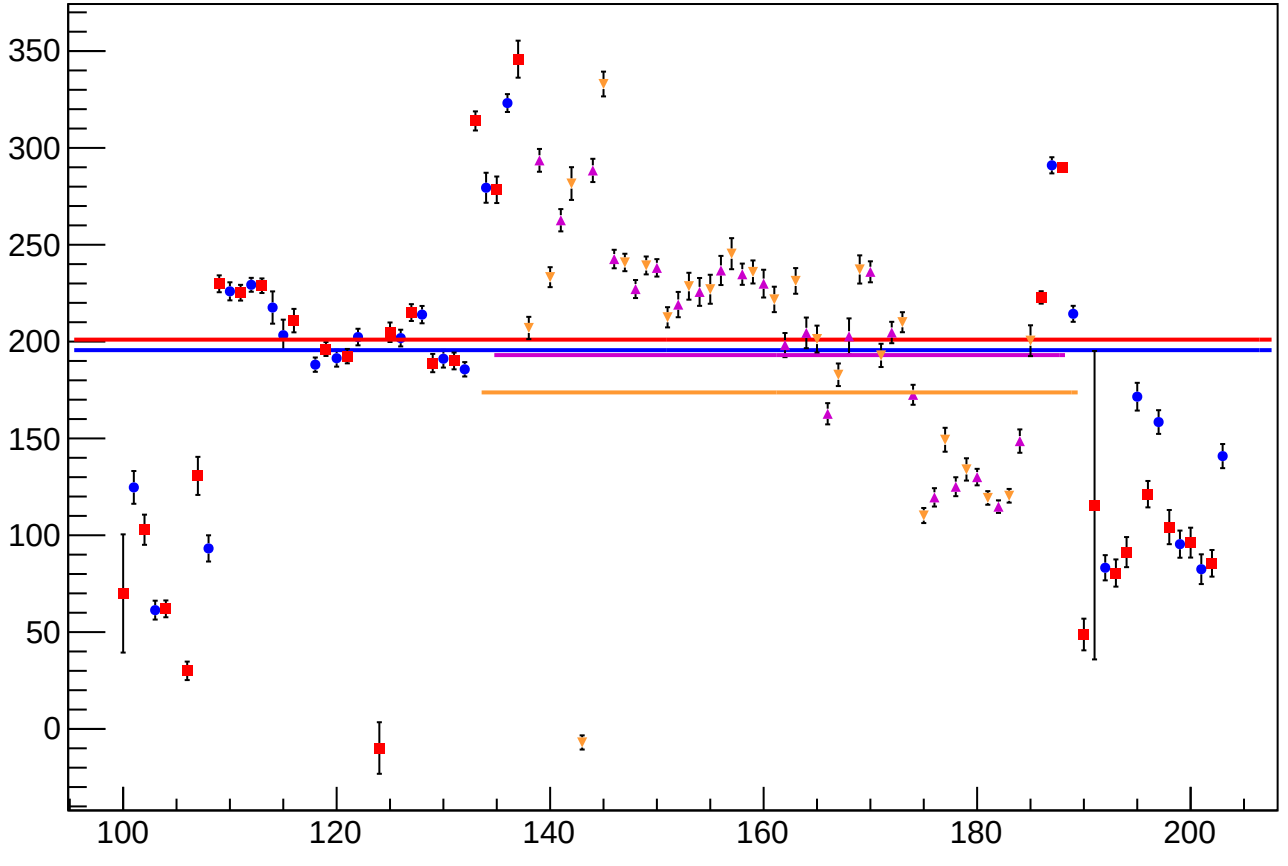
Right: 18.978+/-0.679 χ^2/NDF: 294.4/52

In: 11.731+/-0.645 χ^2/NDF:582.6/46

Out: 13.004+/-0.611 χ^2/NDF:688.3/53

All: 12.402+/-0.444 χ^2/NDF: 1273.0/100

reg_asym_atr1l2_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 195.581+/-1.027 χ^2/NDF: 3501.4/23

Left Out: 173.752+/-1.069 χ^2/NDF:5260.7/24

Right Out: 201.012+/-0.919 χ^2/NDF: 7071.0/28

Left In: 193.026+/-1.122 χ^2/NDF:2512.0/22

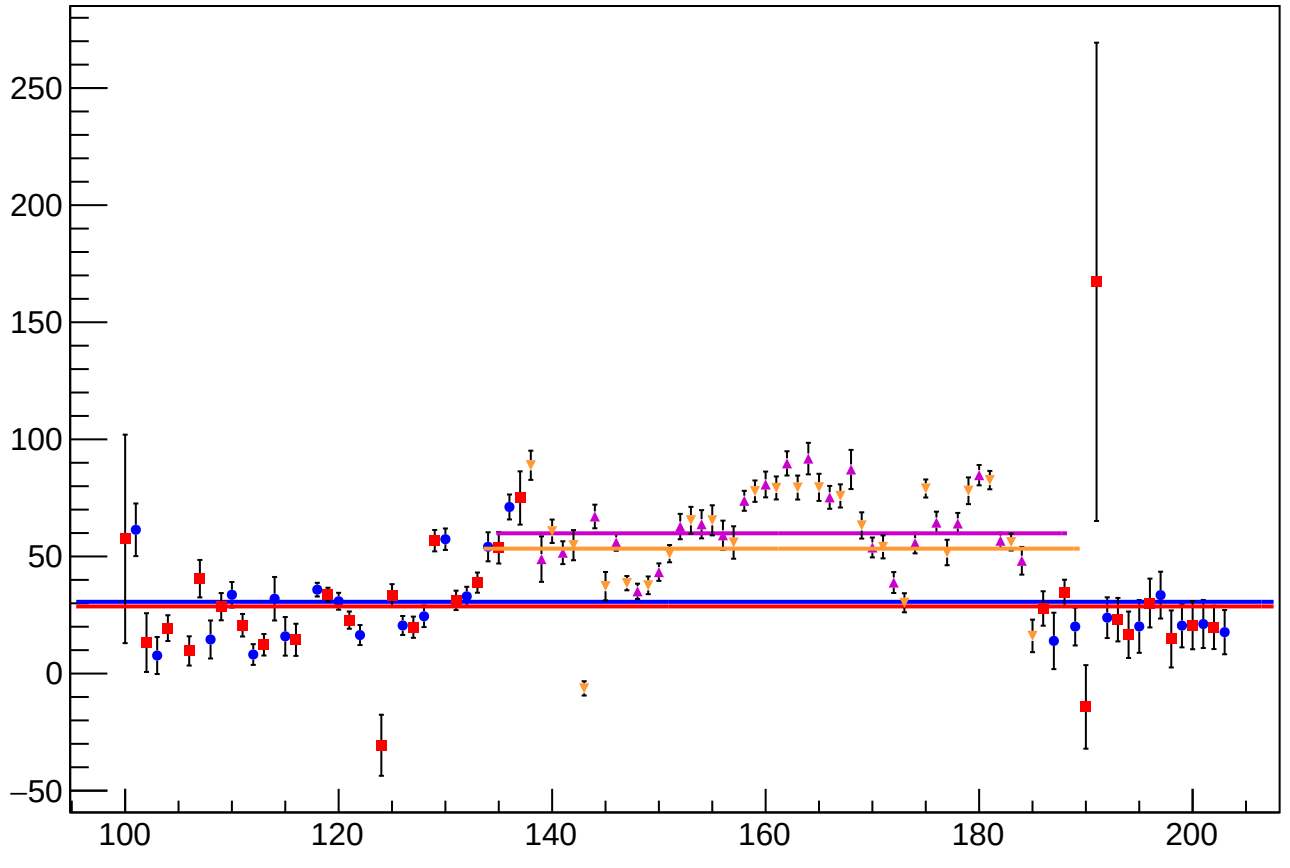
Left: 182.920+/-0.774 χ^2/NDF: 7927.5/47

Right: 198.595+/-0.685 χ^2/NDF: 10587.9/52

In: 194.417+/-0.757 χ^2/NDF:6016.2/46

Out: 189.415+/-0.697 χ^2/NDF:12705.6/53

All: 191.708+/-0.513 χ^2/NDF: 18745.4/100



Right In: 30.637+/-1.146 χ^2/NDF: 187.0/23

Left Out: 53.331+/-0.922 χ^2/NDF:778.9/24

Right Out: 28.666+/-1.111 χ^2/NDF: 154.5/28

Left In: 59.887+/-0.977 χ^2/NDF:251.2/22

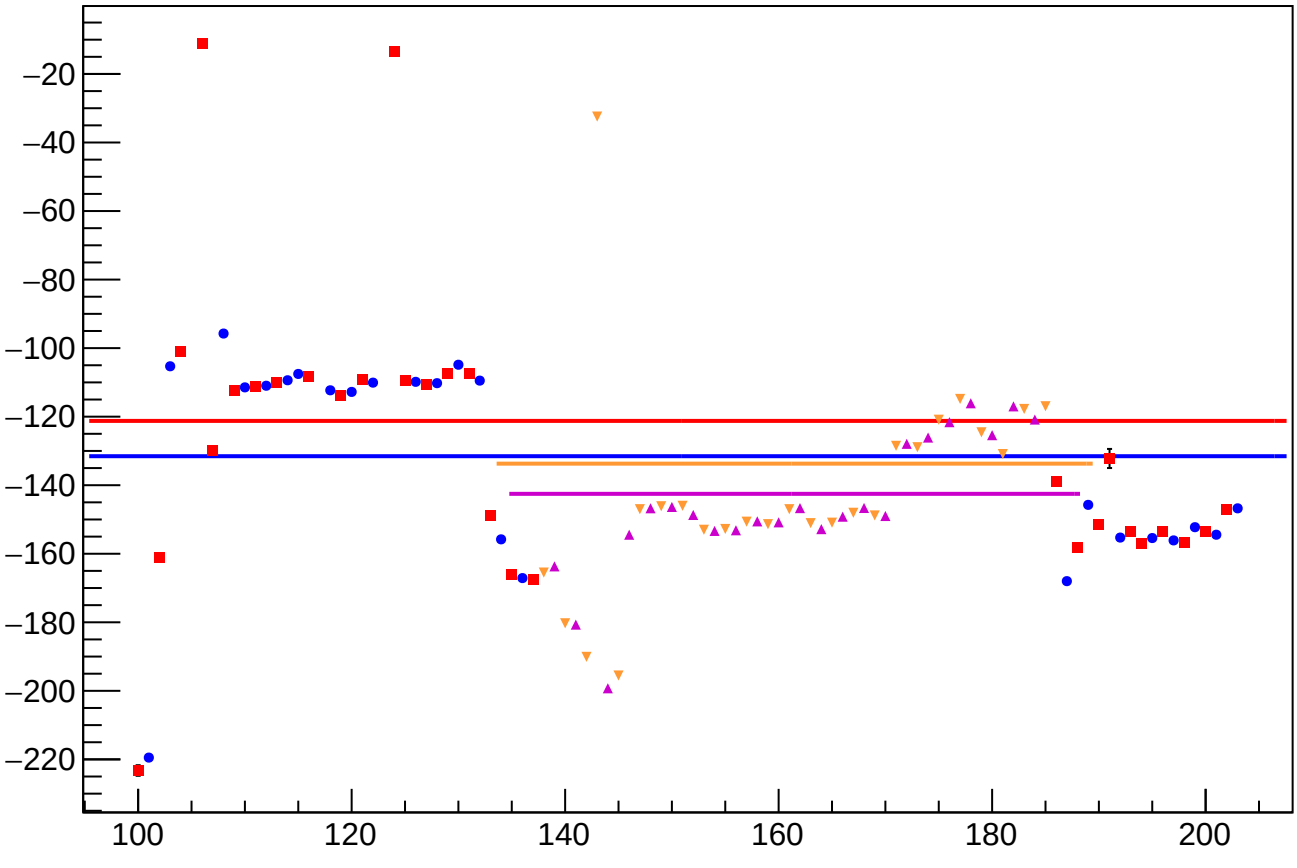
Left: 56.419+/-0.670 χ^2/NDF: 1053.9/47

Right: 29.621+/-0.798 χ^2/NDF: 343.1/52

In: 47.579+/-0.743 χ^2/NDF:815.4/46

Out: 43.273+/-0.709 χ^2/NDF:1225.5/53

All: 45.325+/-0.513 χ^2/NDF: 2058.5/100



Right In: -131.536+/-0.065 χ^2/NDF: 172916.8/23

Left Out: -133.709+/-0.043 χ^2/NDF:675925.6/24

Right Out: -121.235+/-0.061 χ^2/NDF: 489683.2/28

Left In: -142.518+/-0.044 χ^2/NDF:178481.1/22

Left: -137.954+/-0.031 χ^2/NDF: 874788.8/47

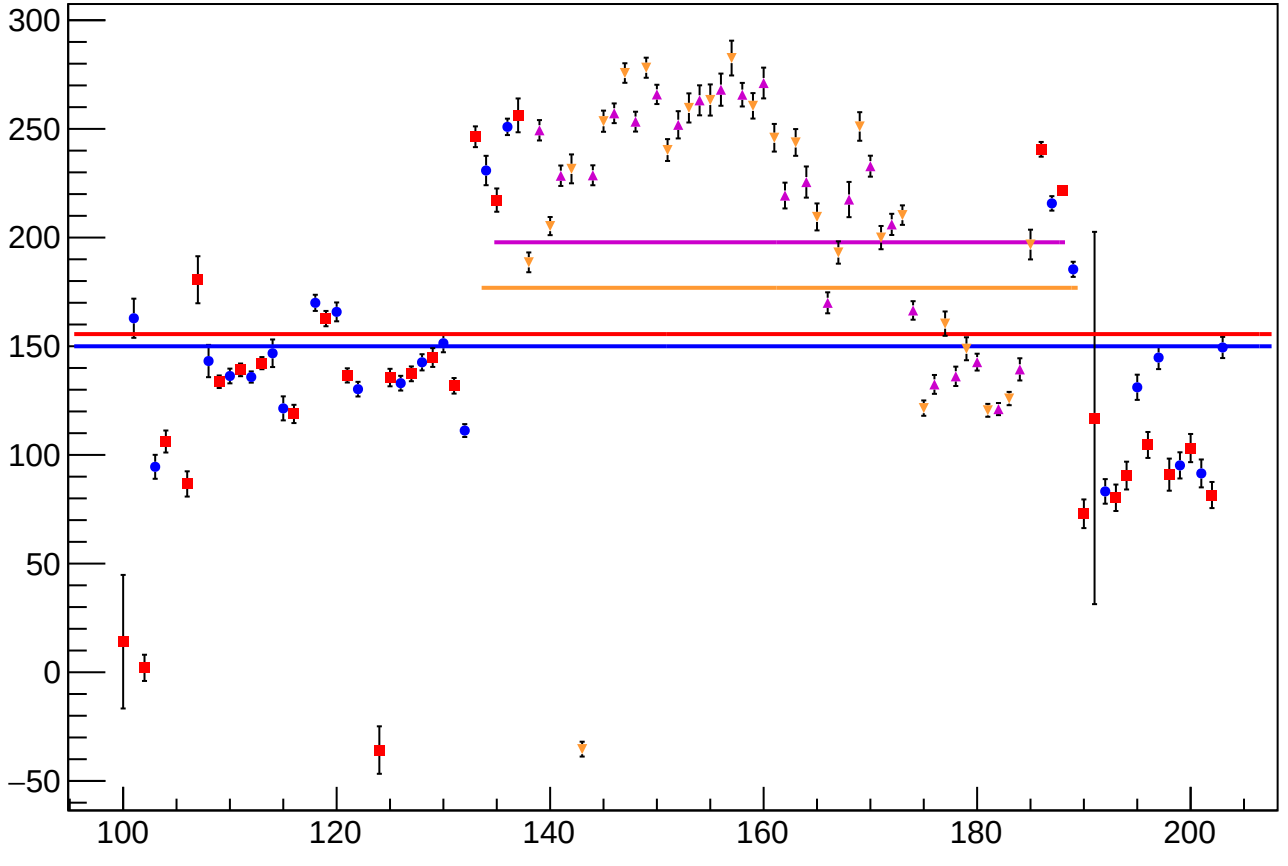
Right: -126.066+/-0.045 χ^2/NDF: 675865.6/52

In: -139.035+/-0.037 χ^2/NDF:370785.1/46

Out: -129.613+/-0.035 χ^2/NDF:1193463.6/53

All: -134.114+/-0.025 χ^2/NDF: 1598674.9/10

reg_asym_atr1l2_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 149.981+/-0.859 χ^2/NDF: 2120.5/23

Left Out: 176.884+/-0.958 χ^2/NDF:7424.8/24

Right Out: 155.589+/-0.776 χ^2/NDF: 4994.5/28

Left In: 197.829+/-1.006 χ^2/NDF:2968.0/22

Left: 186.838+/-0.694 χ^2/NDF: 10620.2/47

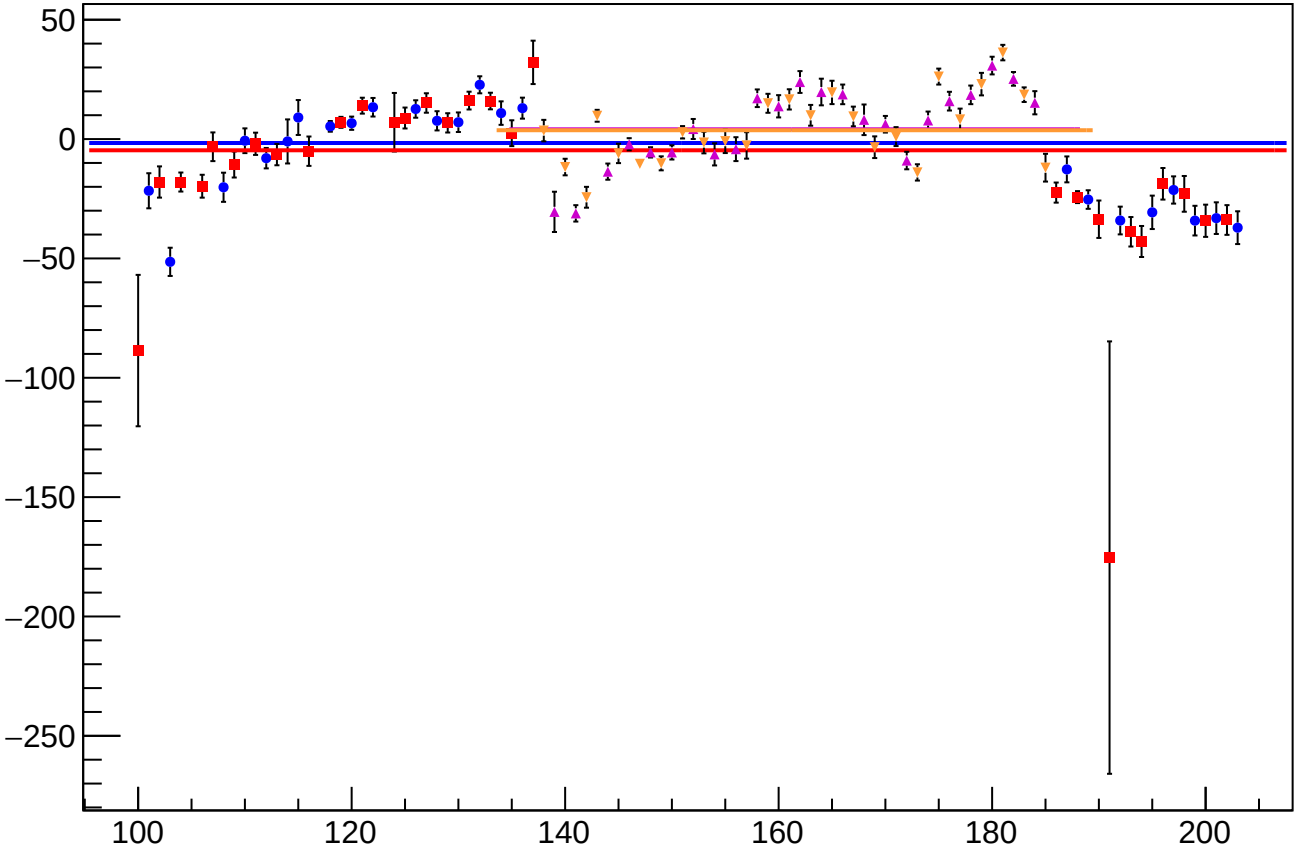
Right: 153.067+/-0.576 χ^2/NDF: 7138.4/52

In: 170.144+/-0.653 χ^2/NDF:6397.0/46

Out: 164.036+/-0.603 χ^2/NDF:12717.6/53

All: 166.847+/-0.443 χ^2/NDF: 19161.8/100

reg_asym_atr1l2_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -1.642+/-0.909 χ^2/NDF: 392.8/23

Left Out: 3.708+/-0.723 χ^2/NDF:400.9/24

Right Out: -4.695+/-0.862 χ^2/NDF: 431.2/28

Left In: 4.102+/-0.769 χ^2/NDF:398.9/22

Left: 3.893+/-0.527 χ^2/NDF: 800.0/47

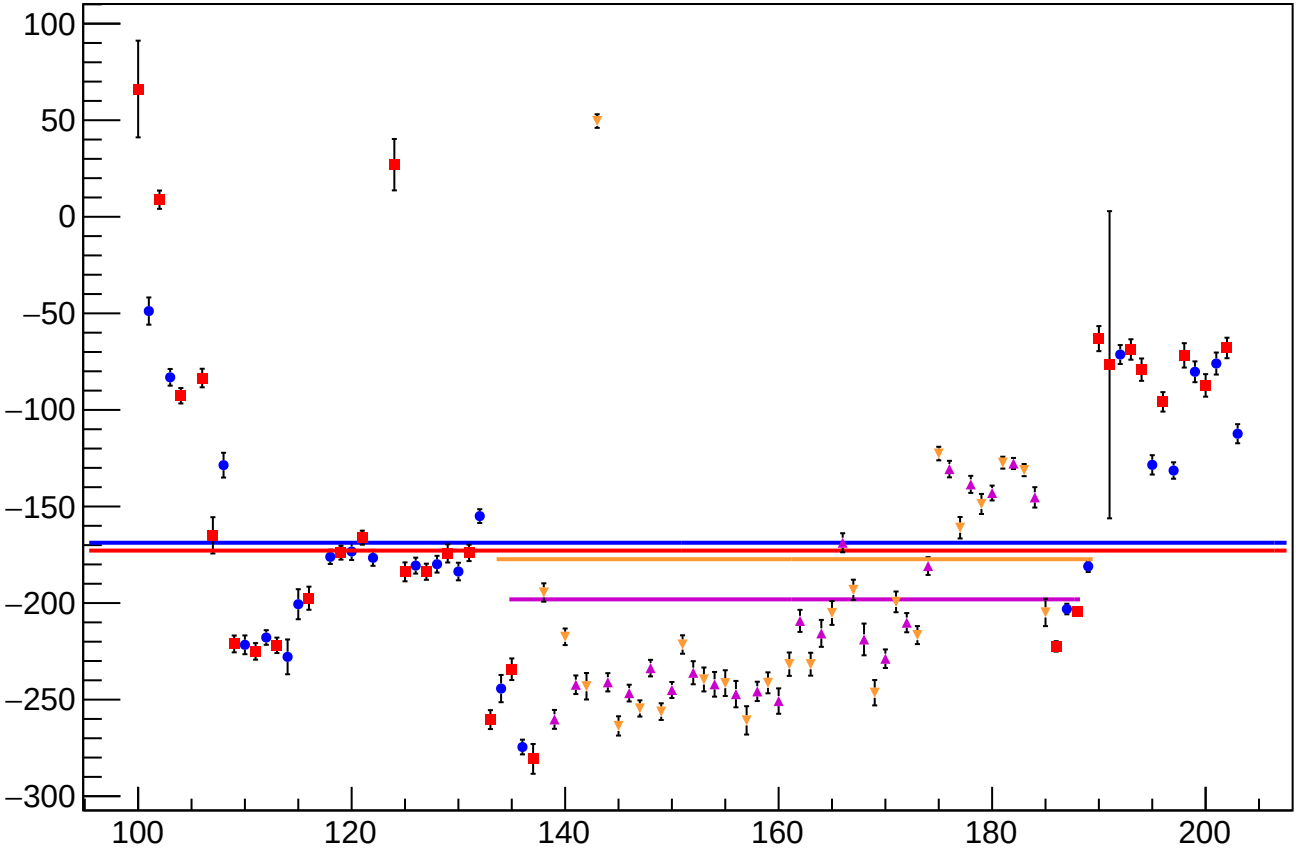
Right: -3.250+/-0.625 χ^2/NDF: 830.0/52

In: 1.707+/-0.587 χ^2/NDF:815.1/46

Out: 0.233+/-0.554 χ^2/NDF:887.9/53

All: 0.927+/-0.403 χ^2/NDF: 1706.3/100

reg_asym_atr1l2_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -168.768+/-0.896 χ^2/NDF: 3375.3/23

Left Out: -177.283+/-0.956 χ^2/NDF:7040.0/24

Right Out: -172.829+/-0.778 χ^2/NDF: 6488.1/28

Left In: -198.088+/-1.000 χ^2/NDF:2386.2/22

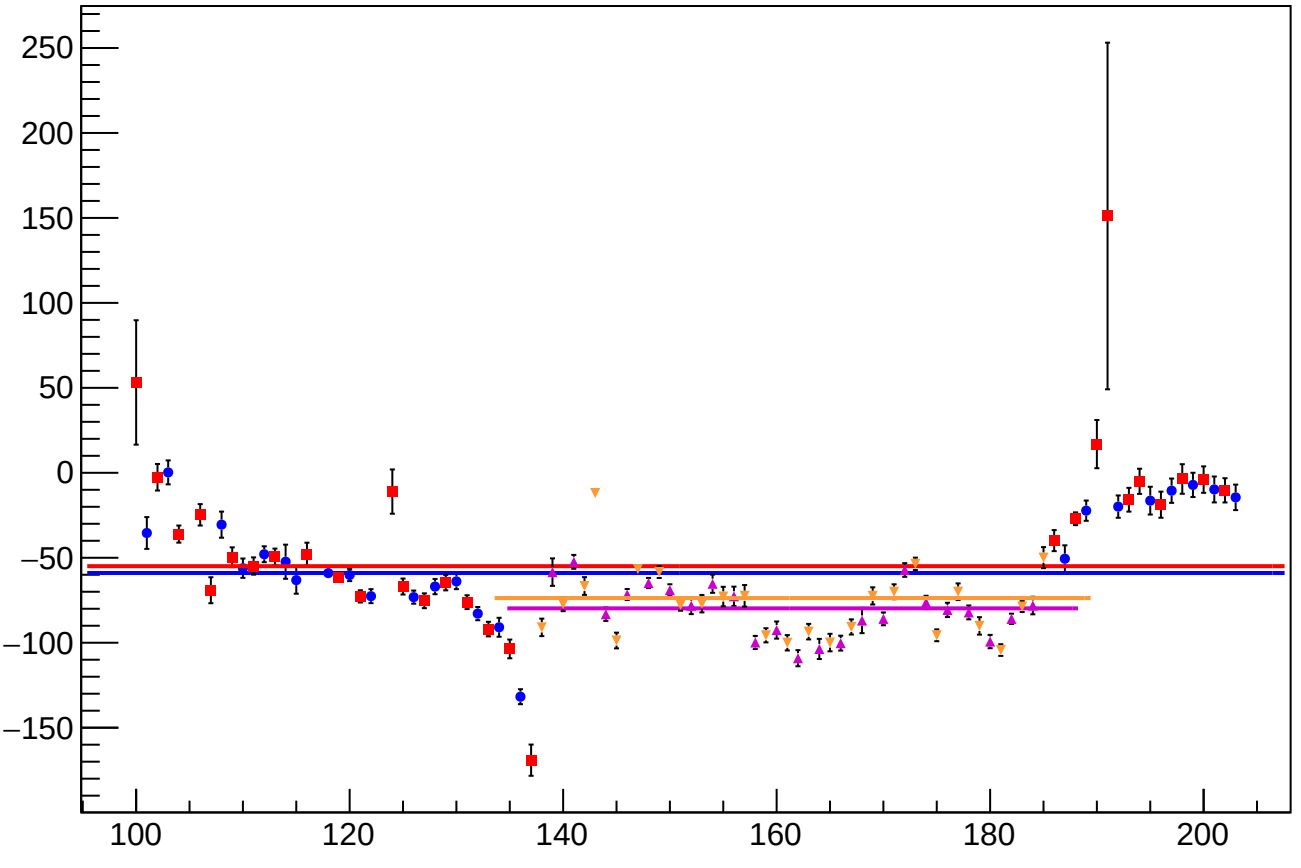
Left: -187.218+/-0.691 χ^2/NDF: 9652.4/47

Right: -171.083+/-0.588 χ^2/NDF: 9875.1/52

In: -181.827+/-0.667 χ^2/NDF:6238.3/46

Out: -174.603+/-0.603 χ^2/NDF:13541.1/53

All: -177.852+/-0.448 χ^2/NDF: 19843.8/100



Right In: -58.950+/-1.070 χ^2/NDF: 746.1/23

Left Out: -73.706+/-0.829 χ^2/NDF:839.6/24

Right Out: -54.944+/-1.030 χ^2/NDF: 811.4/28

Left In: -79.777+/-0.874 χ^2/NDF:277.1/22

Left: -76.581+/-0.601 χ^2/NDF: 1142.1/47

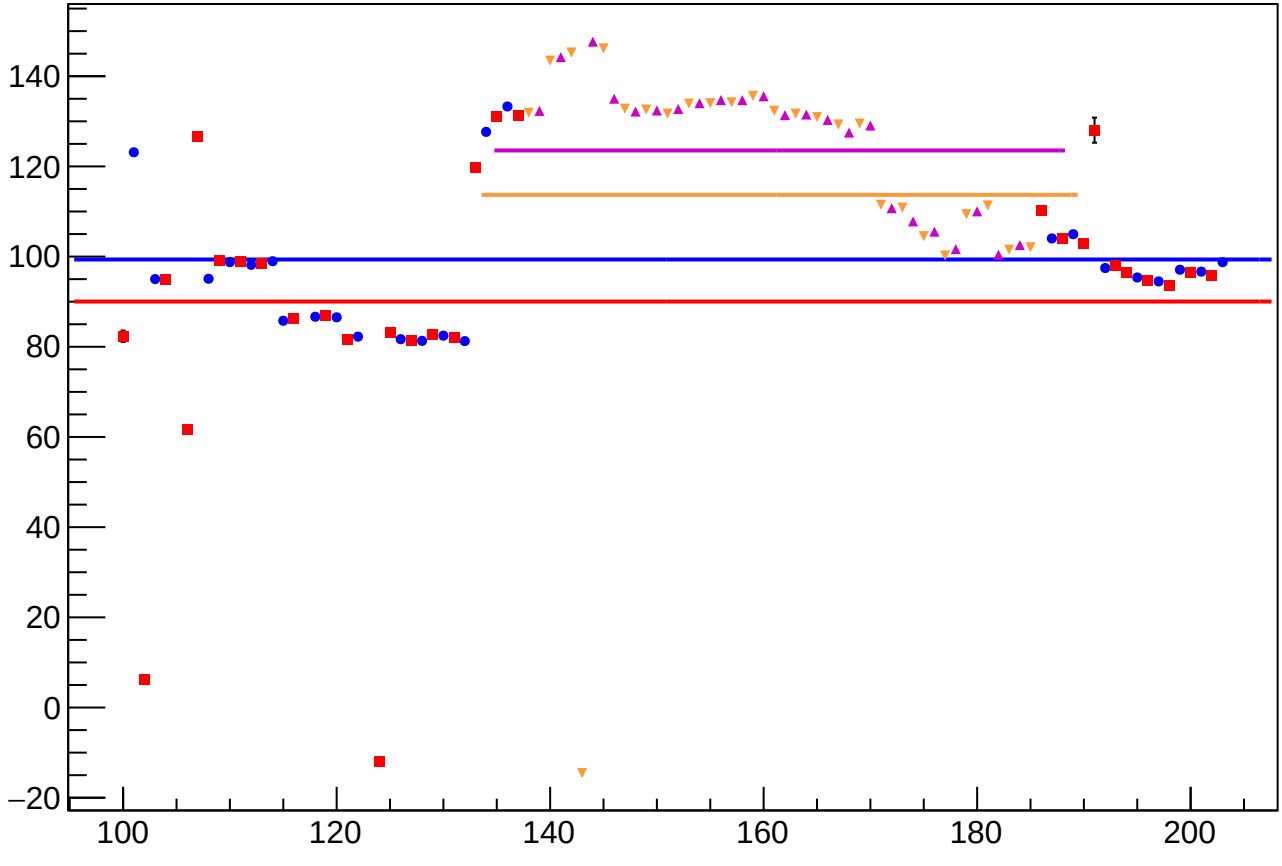
Right: -56.871+/-0.742 χ^2/NDF: 1564.8/52

In: -71.443+/-0.677 χ^2/NDF:1250.5/46

Out: -66.336+/-0.646 χ^2/NDF:1852.3/53

All: -68.769+/-0.467 χ^2/NDF: 3132.6/100

reg_asym_atr1l2_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 99.359+/-0.056 χ^2/NDF: 69256.5/23

Left Out: 113.687+/-0.038 χ^2/NDF:963156.9/24

Right Out: 90.037+/-0.052 χ^2/NDF: 283557.3/28

Left In: 123.538+/-0.040 χ^2/NDF:134613.3/22

Left: 118.454+/-0.028 χ^2/NDF: 1129684.8/47

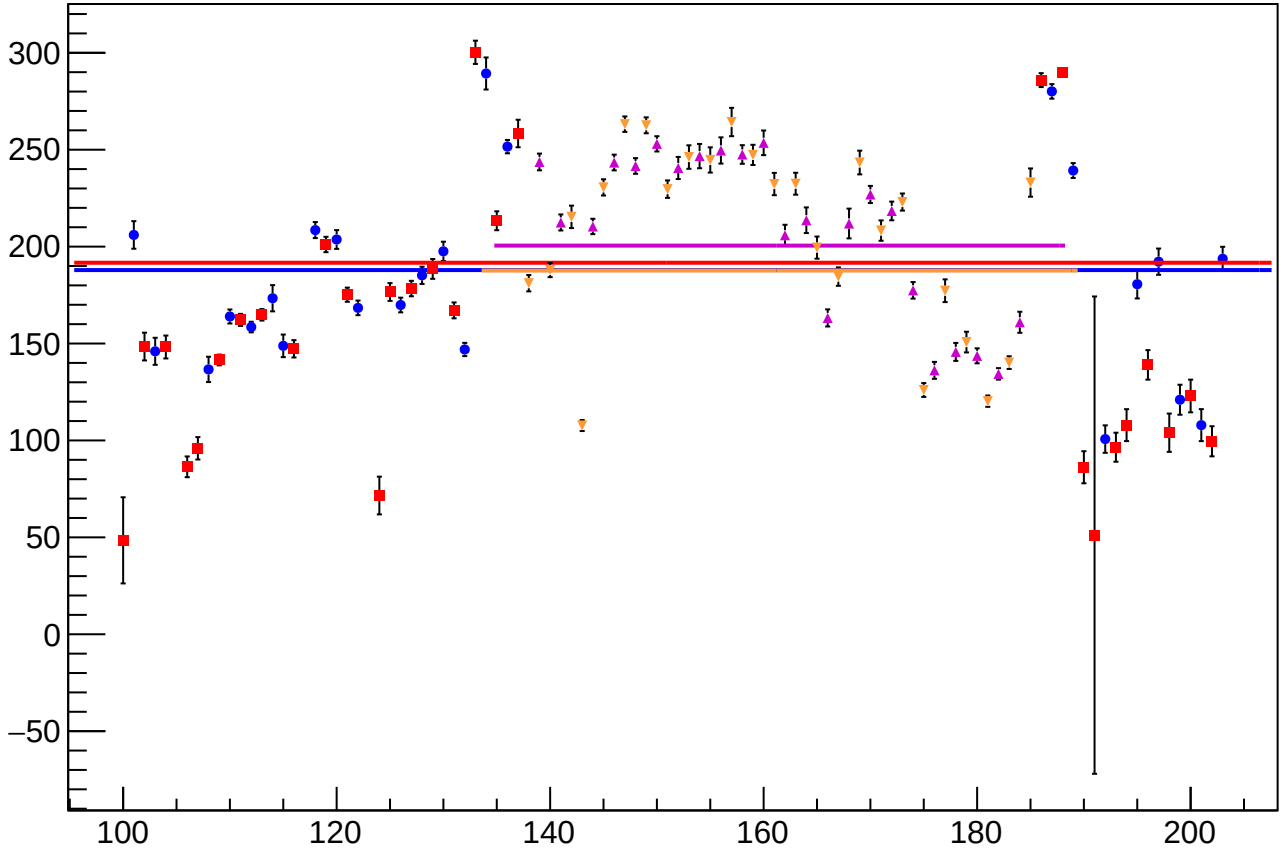
Right: 94.369+/-0.038 χ^2/NDF: 367490.4/52

In: 115.529+/-0.032 χ^2/NDF:327252.9/46

Out: 105.446+/-0.031 χ^2/NDF:1379168.5/53

All: 110.259+/-0.022 χ^2/NDF: 1757045.6/100

reg_asym_atl_dd_atr_dd_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 187.898+/-0.954 χ^2/NDF: 2143.3/23

Left Out: 187.681+/-0.898 χ^2/NDF:3528.3/24

Right Out: 191.687+/-0.846 χ^2/NDF: 5972.2/28

Left In: 200.521+/-0.955 χ^2/NDF:2111.4/22

Left: 193.703+/-0.654 χ^2/NDF: 5735.7/47

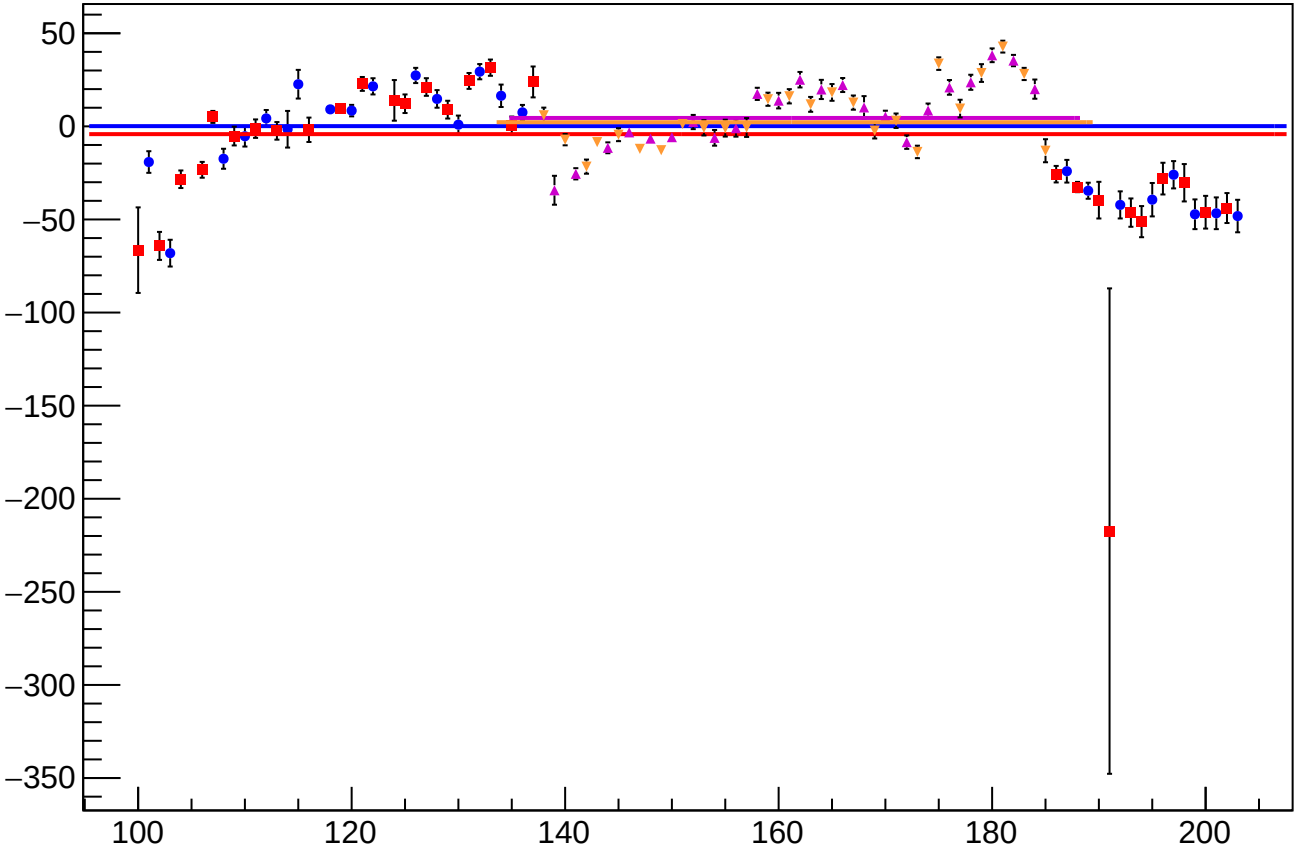
Right: 190.020+/-0.633 χ^2/NDF: 8124.4/52

In: 194.203+/-0.675 χ^2/NDF:4342.2/46

Out: 189.803+/-0.616 χ^2/NDF:9511.1/53

All: 191.801+/-0.455 χ^2/NDF: 13876.5/100

reg_asym_atl_dd_atr_dd_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 0.120+/-1.010 χ^2/NDF: 524.5/23

Left Out: 2.245+/-0.665 χ^2/NDF:600.9/24

Right Out: -4.177+/-0.927 χ^2/NDF: 650.9/28

Left In: 4.513+/-0.714 χ^2/NDF:547.1/22

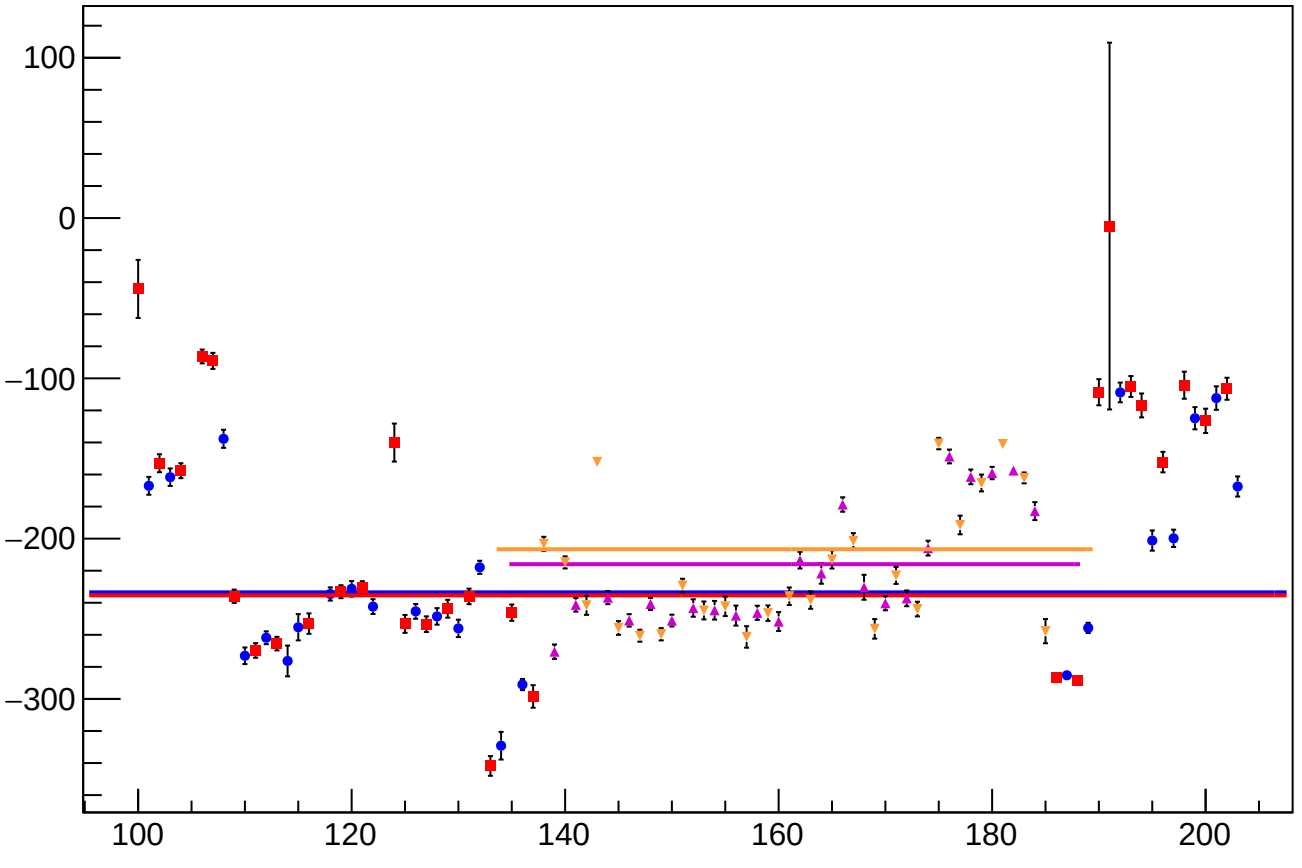
Left: 3.298+/-0.486 χ^2/NDF: 1153.4/47

Right: -2.211+/-0.683 χ^2/NDF: 1185.2/52

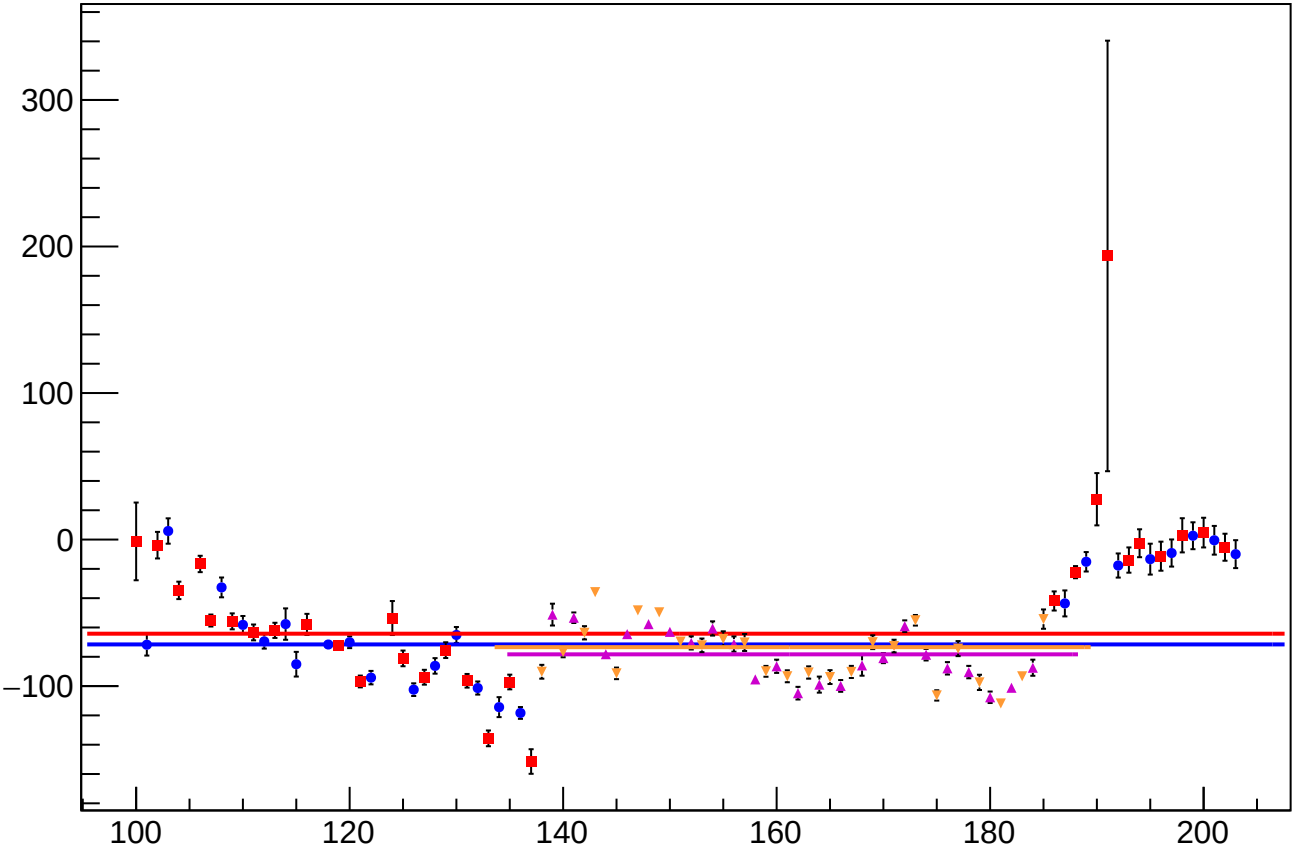
In: 3.049+/-0.583 χ^2/NDF:1084.2/46

Out: 0.066+/-0.540 χ^2/NDF:1283.5/53

All: 1.444+/-0.396 χ^2/NDF: 2381.8/100


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: -233.533+/-1.001 χ²/NDF: 2620.8/23
Left Out: -206.617+/-0.895 χ²/NDF:2467.8/24
Right Out: -235.373+/-0.853 χ²/NDF: 6555.9/28
Left In: -215.938+/-0.946 χ²/NDF:1711.9/22
Left: -211.017+/-0.650 χ²/NDF: 4230.9/47
Right: -234.598+/-0.649 χ²/NDF: 9178.6/52
In: -224.242+/-0.688 χ²/NDF:4495.9/46
Out: -221.683+/-0.617 χ²/NDF:9564.9/53
All: -222.826+/-0.459 χ²/NDF: 14068.5/100

reg_asym_atl_dd_atr_dd_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -71.558+/-1.188 χ^2/NDF: 786.2/23

Left Out: -73.426+/-0.767 χ^2/NDF:836.6/24

Right Out: -64.244+/-1.112 χ^2/NDF: 1019.7/28

Left In: -78.329+/-0.817 χ^2/NDF:443.2/22

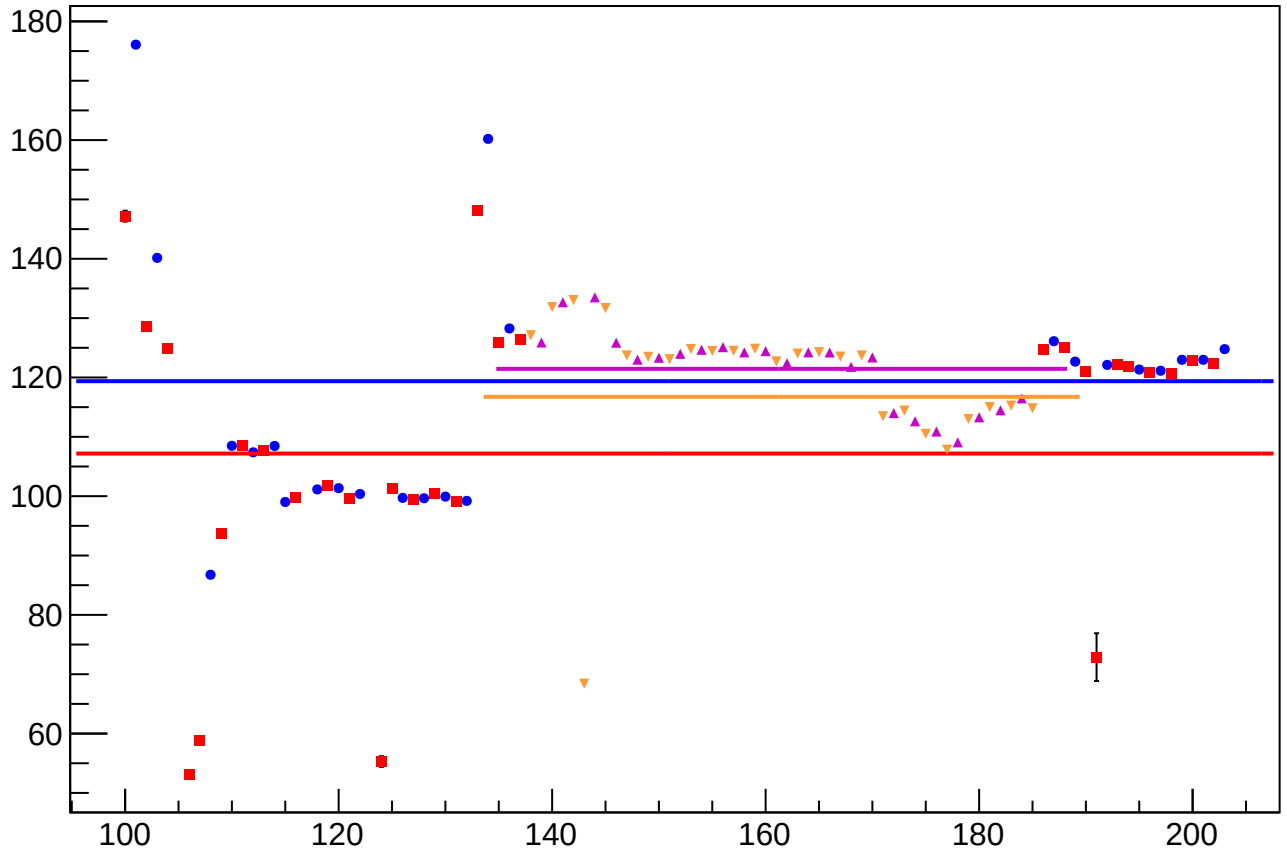
Left: -75.722+/-0.559 χ^2/NDF: 1298.9/47

Right: -67.657+/-0.812 χ^2/NDF: 1826.1/52

In: -76.155+/-0.673 χ^2/NDF:1251.5/46

Out: -70.465+/-0.631 χ^2/NDF:1902.5/53

All: -73.126+/-0.461 χ^2/NDF: 3191.9/100



Right In: 119.375+/-0.064 χ^2/NDF: 96938.7/23

Left Out: 116.740+/-0.036 χ^2/NDF:203650.9/24

Right Out: 107.182+/-0.058 χ^2/NDF: 201853.6/28

Left In: 121.455+/-0.037 χ^2/NDF:28796.4/22

Left: 119.004+/-0.026 χ^2/NDF: 240766.9/47

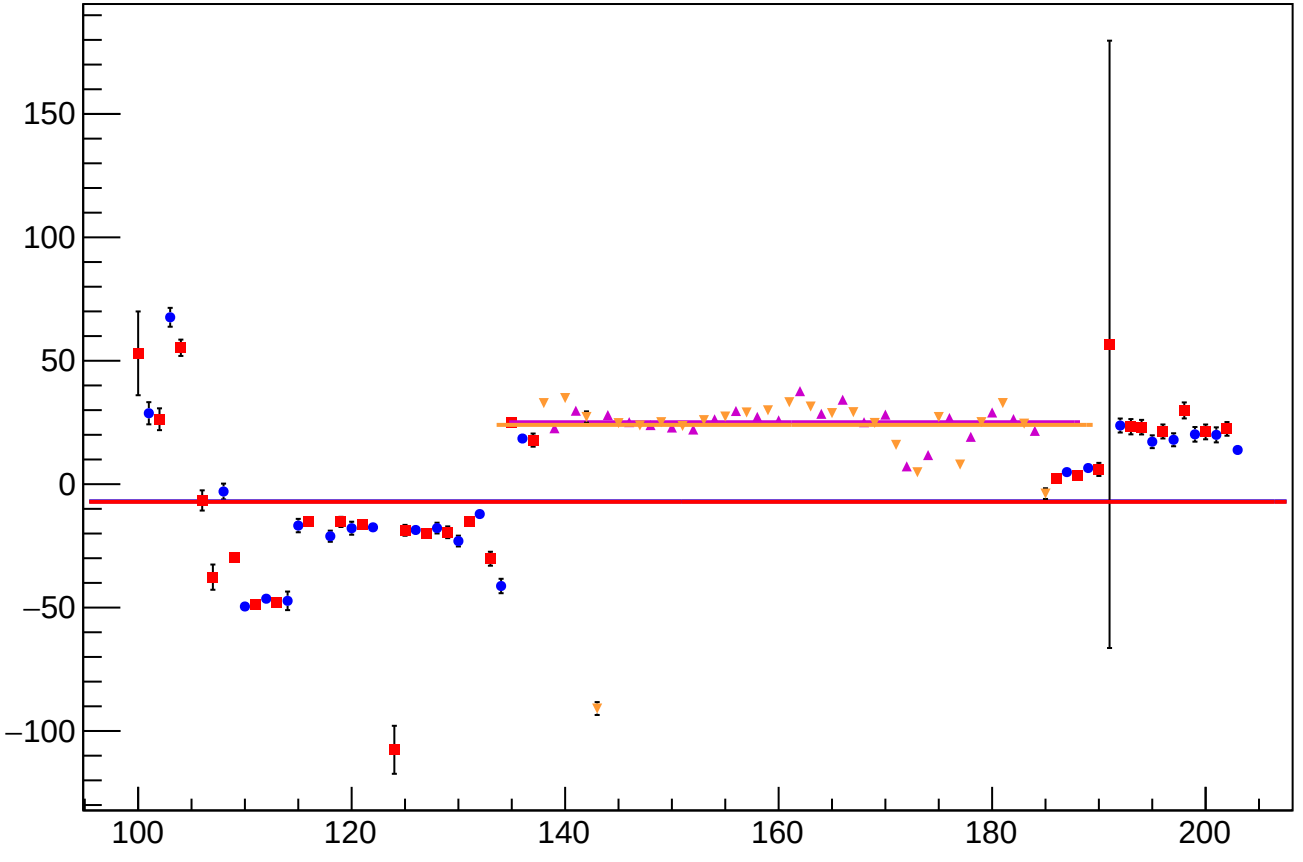
Right: 112.667+/-0.043 χ^2/NDF: 318979.6/52

In: 120.924+/-0.032 χ^2/NDF:126530.2/46

Out: 114.072+/-0.030 χ^2/NDF:425382.5/53

All: 117.307+/-0.022 χ^2/NDF: 575875.4/100

reg_asym_atl_dd_atr_dd_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -6.957+/-0.452 χ^2/NDF: 3024.0/23

Left Out: 24.025+/-0.282 χ^2/NDF:2802.2/24

Right Out: -7.154+/-0.411 χ^2/NDF: 3352.3/28

Left In: 25.089+/-0.287 χ^2/NDF:495.3/22

Left: 24.547+/-0.201 χ^2/NDF: 3304.5/47

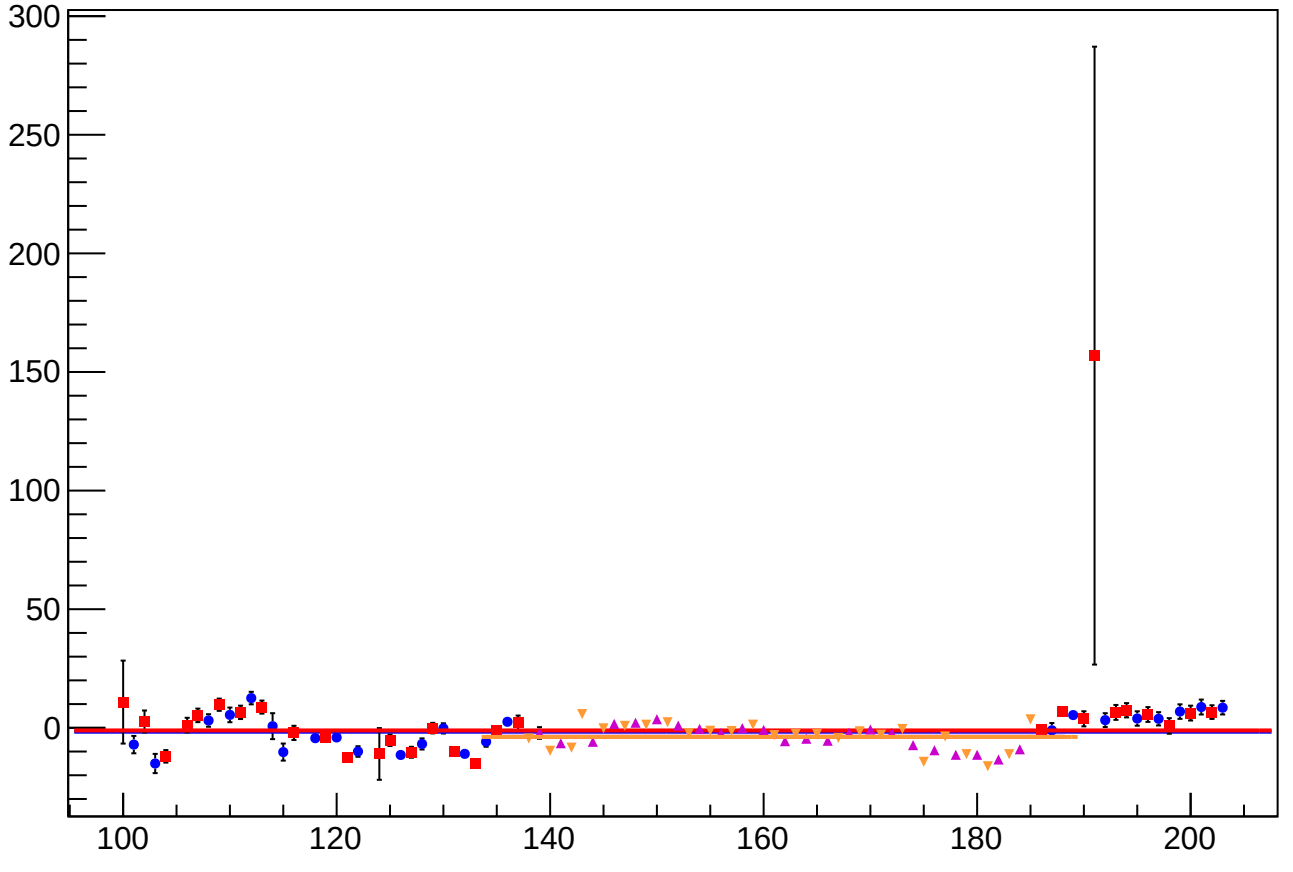
Right: -7.065+/-0.304 χ^2/NDF: 6376.3/52

In: 15.885+/-0.242 χ^2/NDF:7094.7/46

Out: 14.050+/-0.233 χ^2/NDF:10064.8/53

All: 14.930+/-0.168 χ^2/NDF: 17189.3/100

reg_asym_atl_dd_atr_dd_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -1.643+/-0.483 χ^2/NDF: 189.6/23

Left Out: -3.845+/-0.218 χ^2/NDF:649.4/24

Right Out: -1.106+/-0.459 χ^2/NDF: 248.4/28

Left In: -3.780+/-0.224 χ^2/NDF:509.8/22

Left: -3.813+/-0.156 χ^2/NDF: 1159.2/47

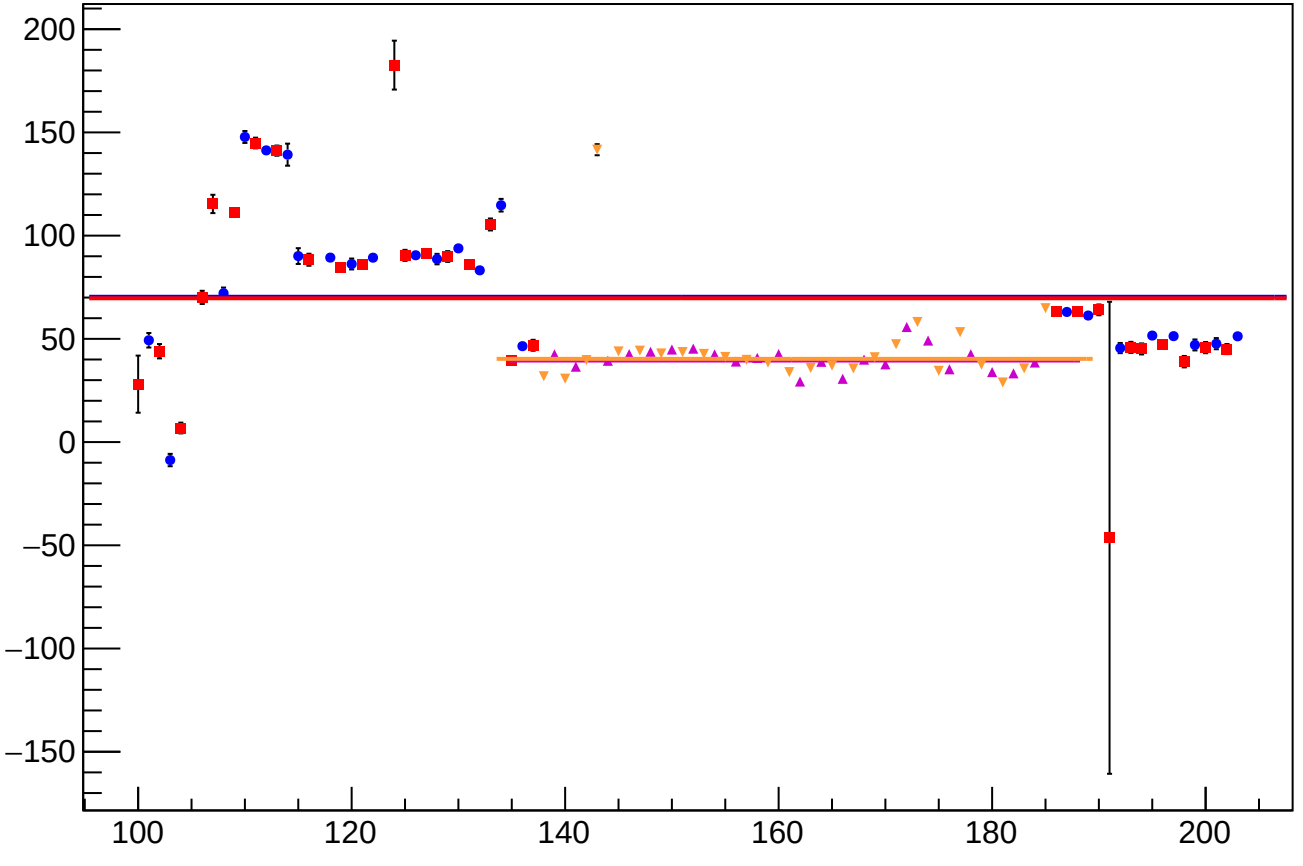
Right: -1.361+/-0.333 χ^2/NDF: 438.7/52

In: -3.402+/-0.203 χ^2/NDF:715.6/46

Out: -3.342+/-0.197 χ^2/NDF:926.8/53

All: -3.371+/-0.141 χ^2/NDF: 1642.4/100

reg_asym_atl_dd_atr_dd_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 70.380+/-0.466 χ^2/NDF: 4087.0/23

Left Out: 40.315+/-0.280 χ^2/NDF:2182.8/24

Right Out: 69.657+/-0.407 χ^2/NDF: 4406.2/28

Left In: 39.504+/-0.285 χ^2/NDF:432.1/22

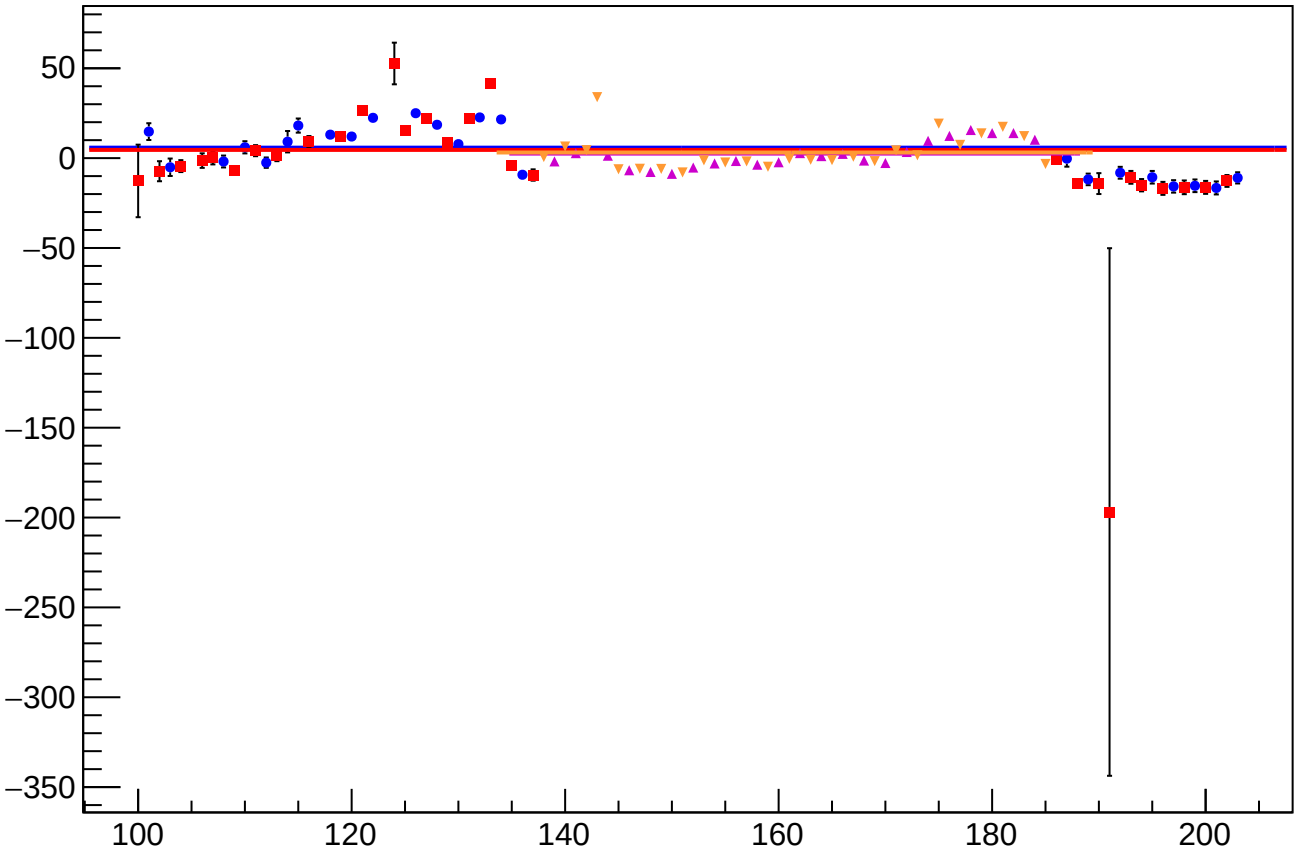
Left: 39.916+/-0.200 χ^2/NDF: 2619.0/47

Right: 69.970+/-0.307 χ^2/NDF: 8494.5/52

In: 47.890+/-0.243 χ^2/NDF:7713.0/46

Out: 49.736+/-0.231 χ^2/NDF:10111.1/53

All: 48.860+/-0.167 χ^2/NDF: 17854.5/100



Right In: 5.826+/-0.558 χ^2/NDF: 626.5/23

Left Out: 3.142+/-0.245 χ^2/NDF:1267.0/24

Right Out: 4.581+/-0.547 χ^2/NDF: 821.9/28

Left In: 2.519+/-0.251 χ^2/NDF:968.2/22

Left: 2.837+/-0.175 χ^2/NDF: 2238.3/47

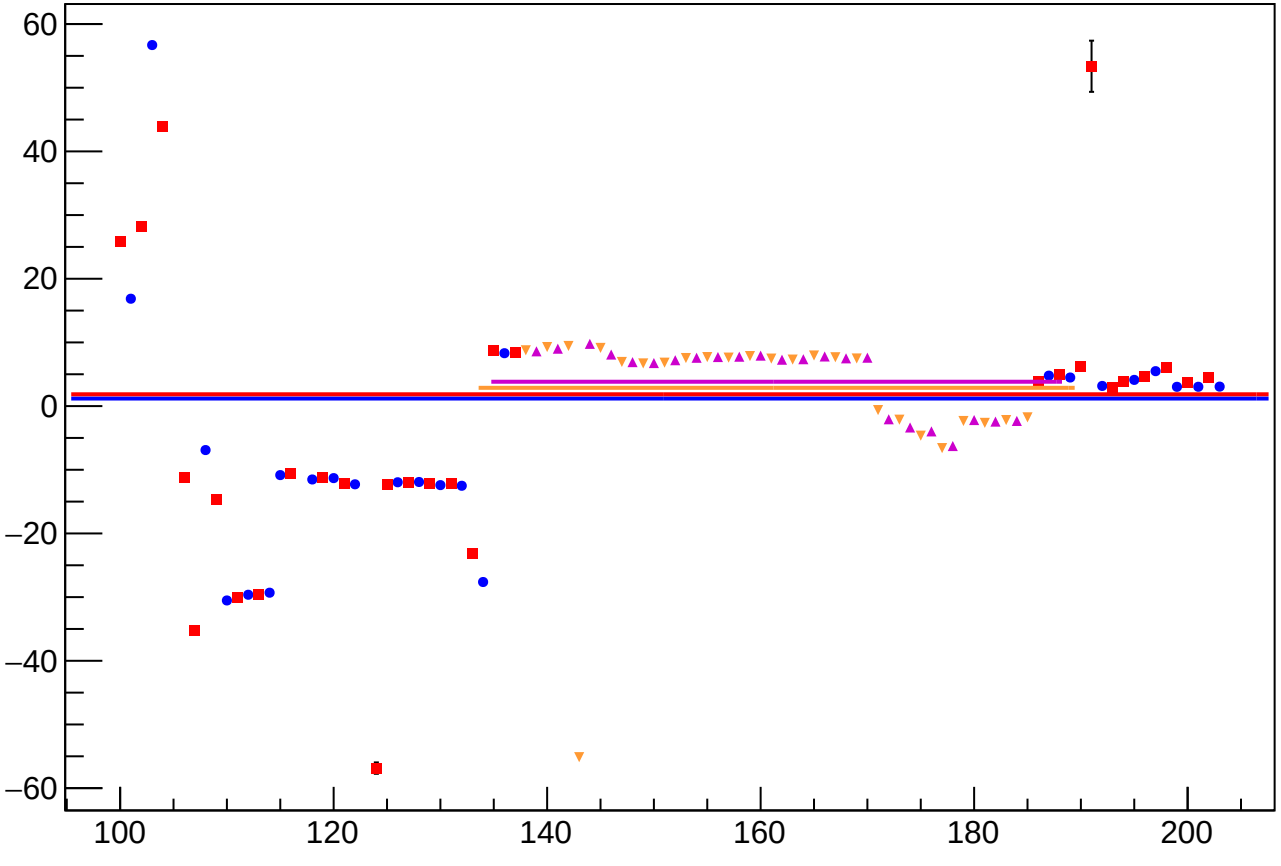
Right: 5.191+/-0.391 χ^2/NDF: 1451.0/52

In: 3.075+/-0.229 χ^2/NDF:1623.9/46

Out: 3.383+/-0.224 χ^2/NDF:2094.7/53

All: 3.233+/-0.160 χ^2/NDF: 3719.5/100

reg_asym_atl_dd_atr_dd_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 1.187+/-0.027 χ^2/NDF: 375137.0/23

Left Out: 2.870+/-0.011 χ^2/NDF:512331.0/24

Right Out: 1.855+/-0.027 χ^2/NDF: 326106.4/28

Left In: 3.825+/-0.011 χ^2/NDF:233224.7/22

Left: 3.343+/-0.008 χ^2/NDF: 749294.8/47

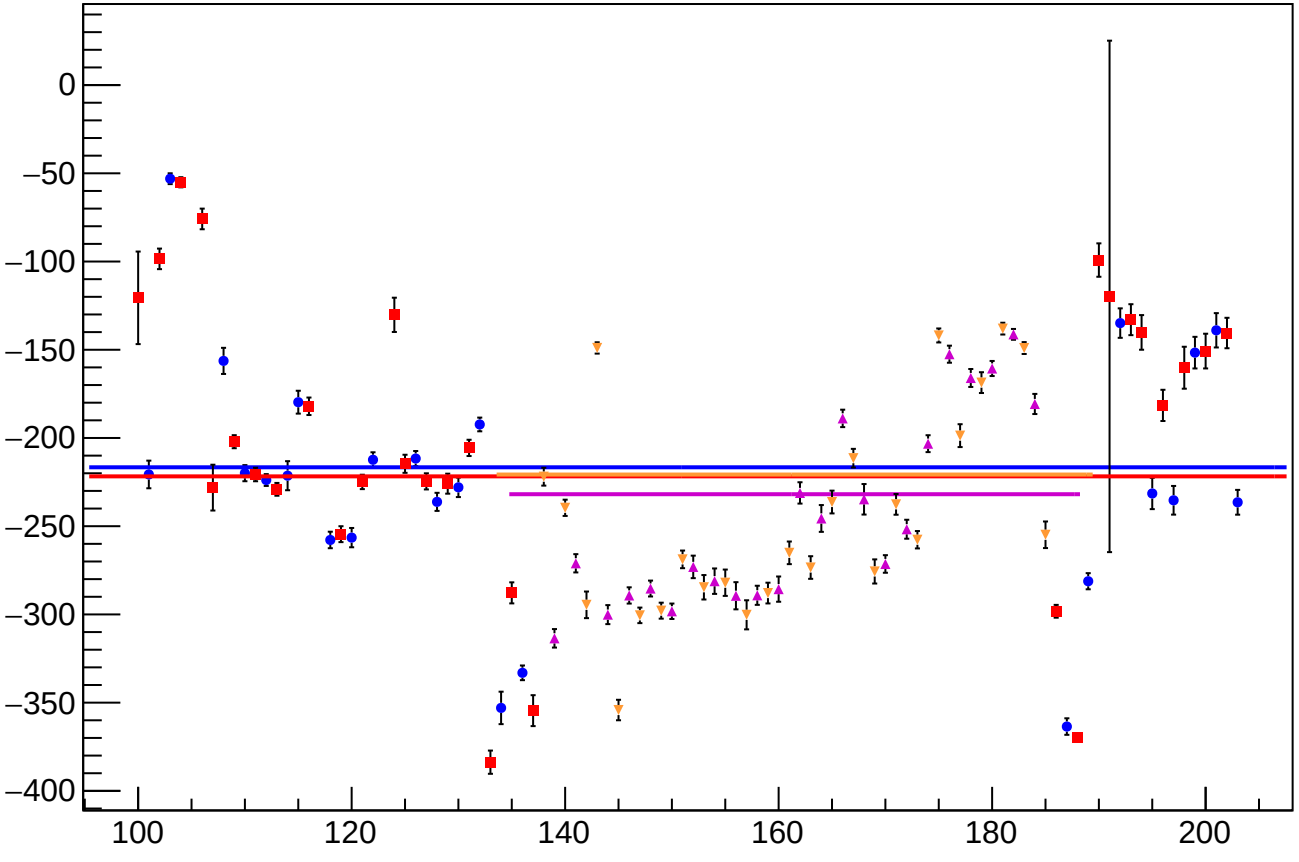
Right: 1.527+/-0.019 χ^2/NDF: 701553.9/52

In: 3.444+/-0.010 χ^2/NDF:616521.5/46

Out: 2.722+/-0.010 χ^2/NDF:839682.8/53

All: 3.079+/-0.007 χ^2/NDF: 1458703.7/100

reg_asym_atl_avg_atr_avg_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -216.611+/-1.059 χ^2/NDF: 5554.6/23

Left Out: -220.723+/-1.018 χ^2/NDF:4052.2/24

Right Out: -221.756+/-0.950 χ^2/NDF: 10132.2/28

Left In: -231.871+/-1.077 χ^2/NDF:3160.3/22

Left: -225.984+/-0.740 χ^2/NDF: 7269.1/47

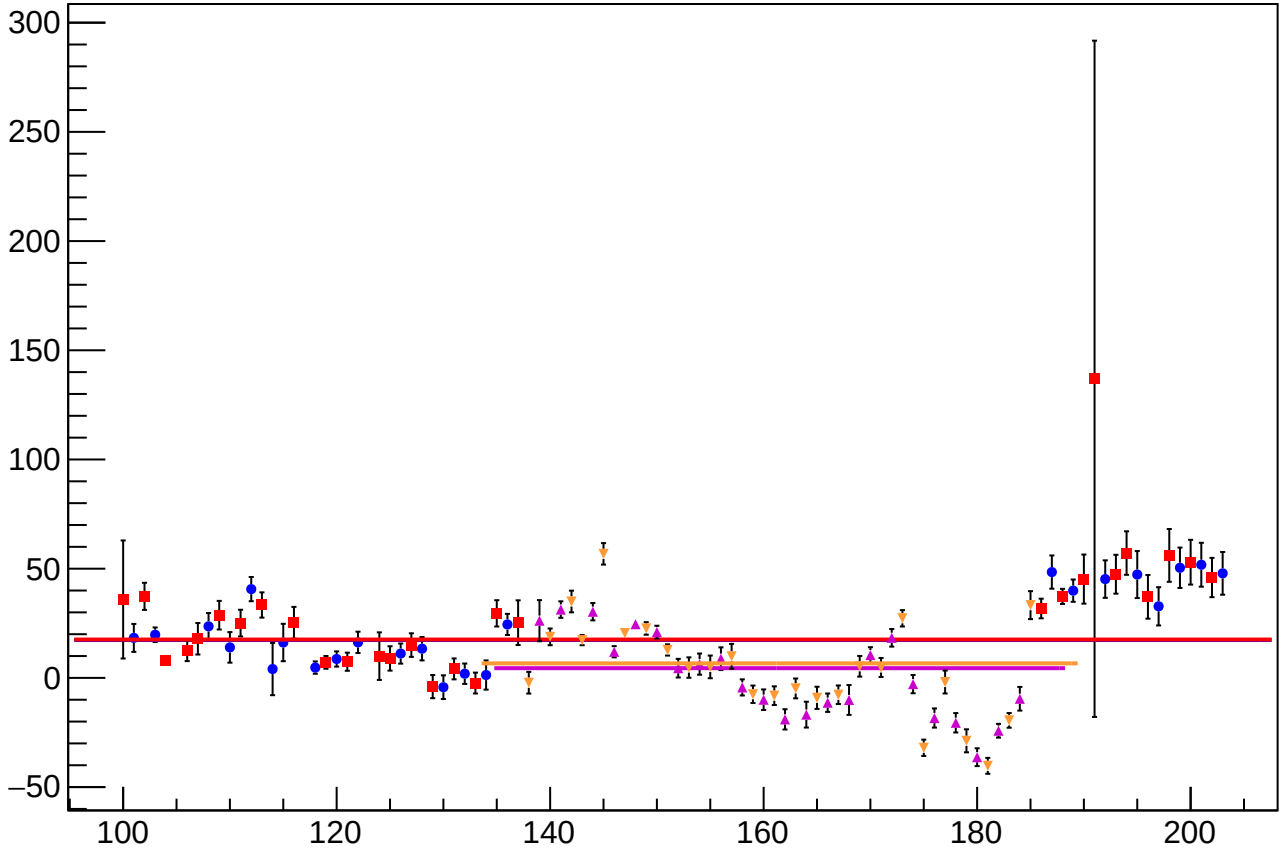
Right: -219.462+/-0.707 χ^2/NDF: 15699.8/52

In: -224.114+/-0.755 χ^2/NDF:8816.9/46

Out: -221.275+/-0.695 χ^2/NDF:14184.9/53

All: -222.576+/-0.511 χ^2/NDF: 23009.5/100

reg_asym_atl_avg_atr_avg_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 17.352+/-1.108 χ^2/NDF: 176.1/23

Left Out: 6.643+/-0.752 χ^2/NDF:735.0/24

Right Out: 17.551+/-1.001 χ^2/NDF: 222.9/28

Left In: 4.447+/-0.807 χ^2/NDF:567.1/22

Left: 5.622+/-0.550 χ^2/NDF: 1306.0/47

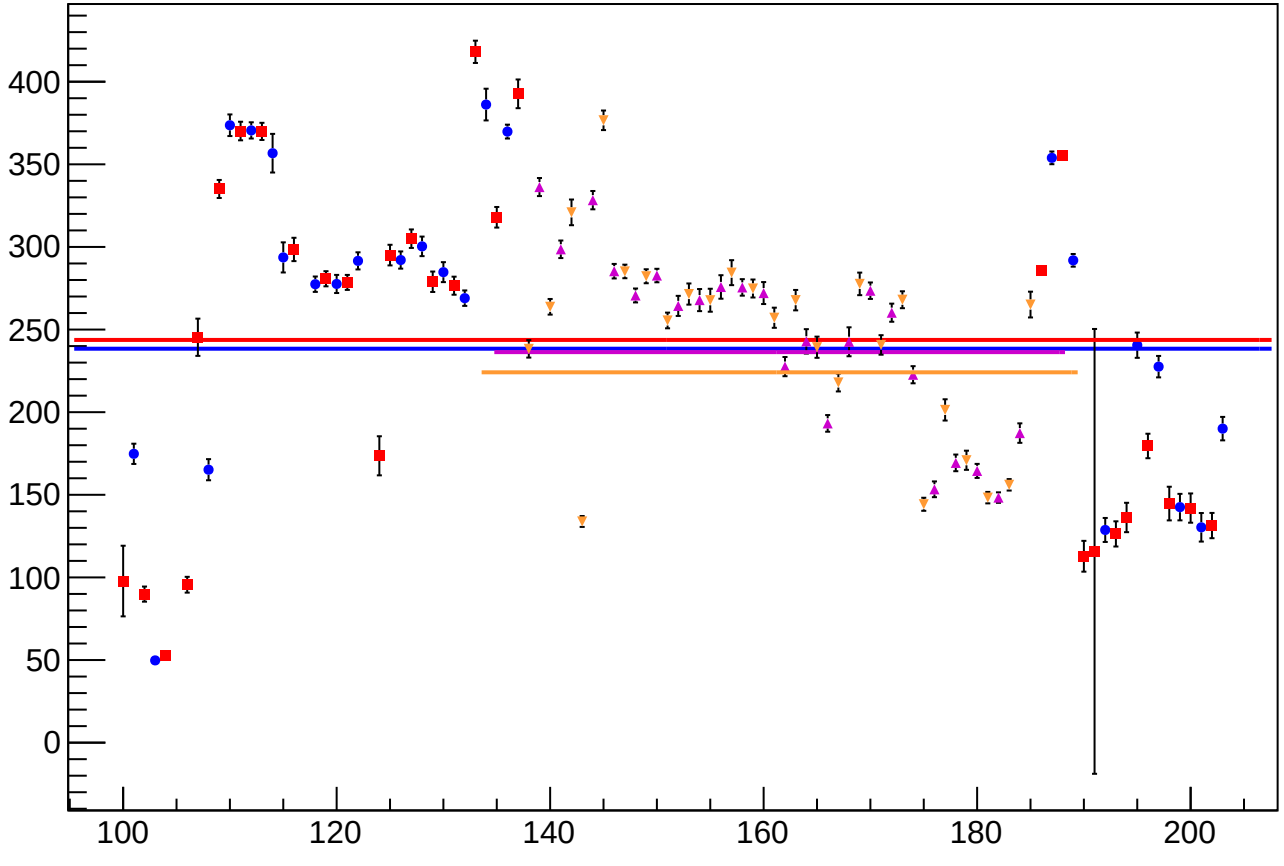
Right: 17.462+/-0.743 χ^2/NDF: 399.1/52

In: 8.919+/-0.652 χ^2/NDF:831.8/46

Out: 10.580+/-0.601 χ^2/NDF:1033.7/53

All: 9.817+/-0.442 χ^2/NDF: 1869.1/100

reg_asym_atl_avg_atr_avg_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 238.407+/-1.069 χ^2/NDF: 11091.6/23

Left Out: 224.123+/-1.014 χ^2/NDF:3966.6/24

Right Out: 243.724+/-0.926 χ^2/NDF: 16598.2/28

Left In: 236.342+/-1.066 χ^2/NDF:2992.9/22

Left: 229.922+/-0.735 χ^2/NDF: 7028.5/47

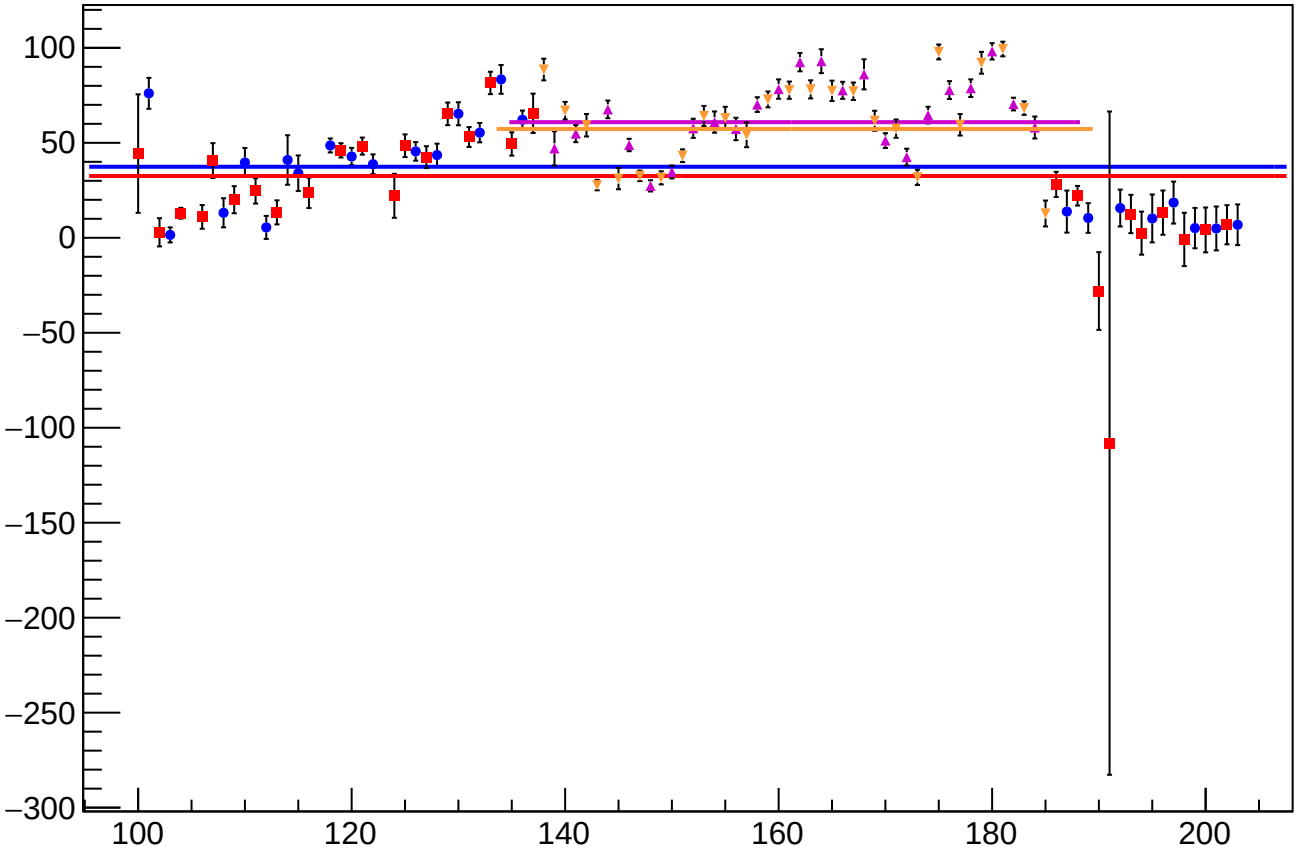
Right: 241.446+/-0.700 χ^2/NDF: 27703.9/52

In: 237.372+/-0.755 χ^2/NDF:14086.4/46

Out: 234.807+/-0.684 χ^2/NDF:20768.6/53

All: 235.962+/-0.507 χ^2/NDF: 34861.4/100

reg_asym_atl_avg_atr_avg_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 37.402+/-1.306 χ^2/NDF: 307.8/23

Left Out: 57.288+/-0.868 χ^2/NDF:767.9/24

Right Out: 32.527+/-1.207 χ^2/NDF: 304.2/28

Left In: 60.877+/-0.923 χ^2/NDF:454.7/22

Left: 58.973+/-0.632 χ^2/NDF: 1230.6/47

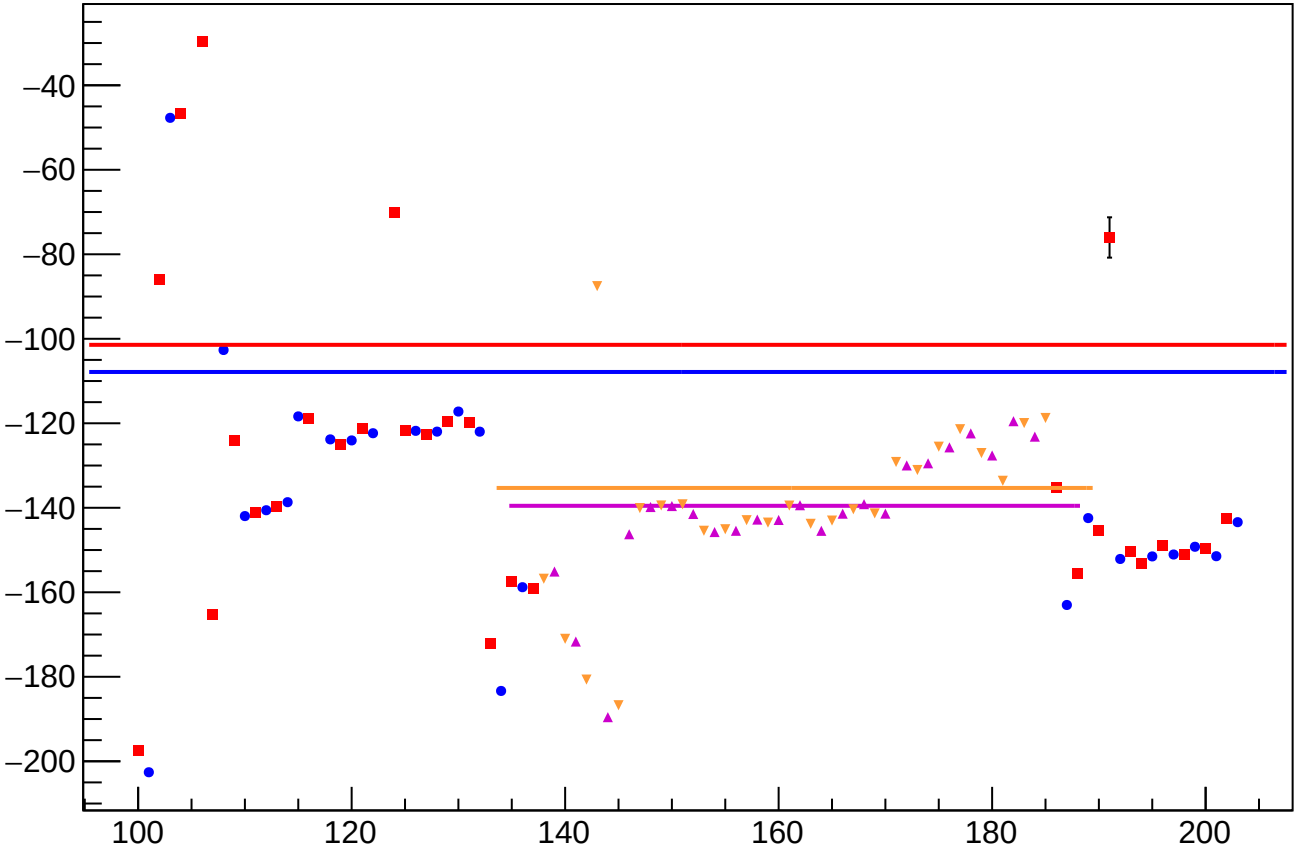
Right: 34.775+/-0.886 χ^2/NDF: 619.5/52

In: 53.058+/-0.753 χ^2/NDF:978.1/46

Out: 48.853+/-0.705 χ^2/NDF:1349.3/53

All: 50.815+/-0.515 χ^2/NDF: 2344.1/100

reg_asym_atl_avg_atr_avg_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -107.855+/-0.061 χ^2/NDF: 660248.8/23

Left Out: -135.305+/-0.041 χ^2/NDF:262874.5/24

Right Out: -101.433+/-0.058 χ^2/NDF: 707573.5/28

Left In: -139.533+/-0.042 χ^2/NDF:114482.7/22

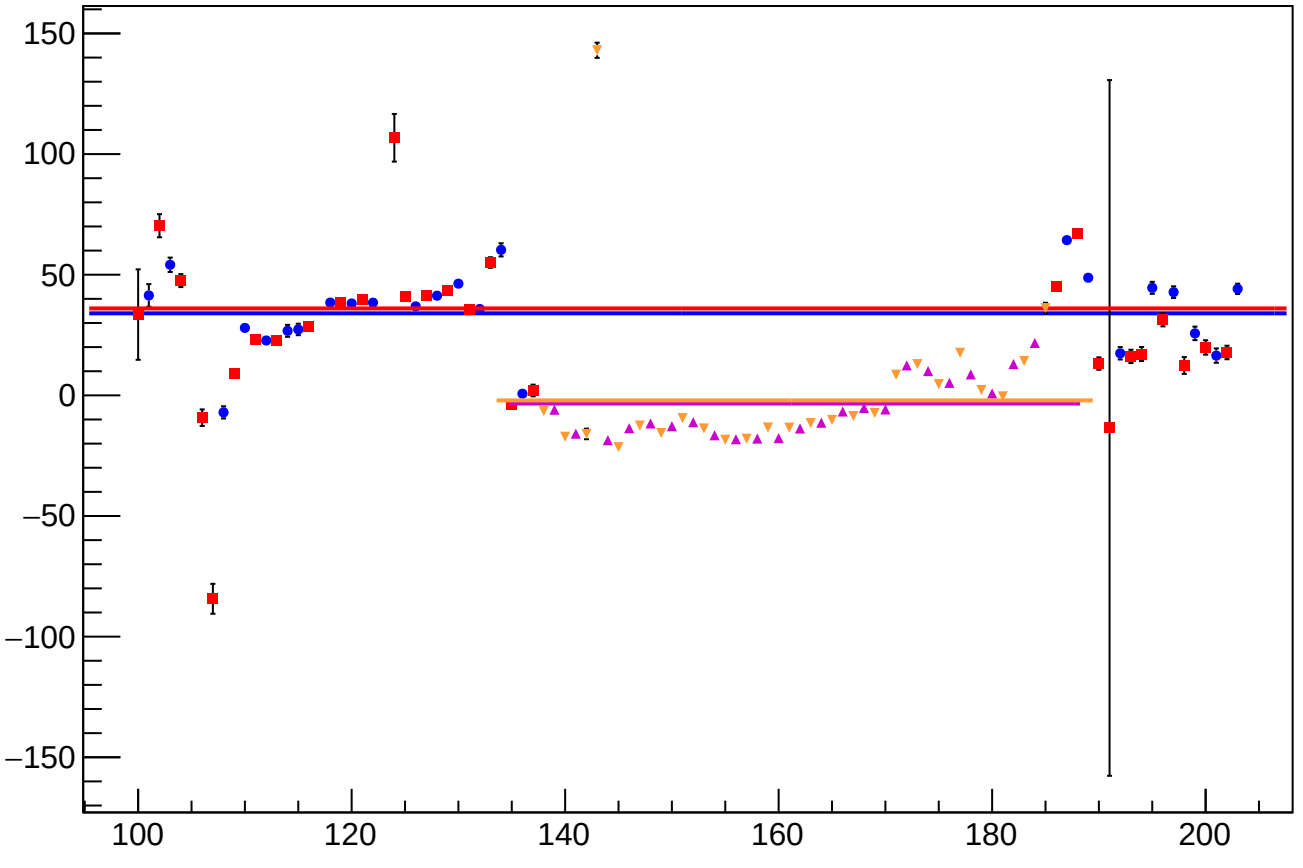
Left: -137.341+/-0.029 χ^2/NDF: 382584.2/47

Right: -104.487+/-0.042 χ^2/NDF: 1373638.6/52

In: -129.307+/-0.035 χ^2/NDF:957409.4/46

Out: -124.193+/-0.033 χ^2/NDF:1199055.4/53

All: -126.646+/-0.024 χ^2/NDF: 2167798.5/10



Right In: 33.997+/-0.362 χ^2/NDF: 2289.6/23

Left Out: -2.091+/-0.267 χ^2/NDF:4201.3/24

Right Out: 36.028+/-0.317 χ^2/NDF: 4609.9/28

Left In: -3.391+/-0.271 χ^2/NDF:1752.8/22

Left: -2.730+/-0.190 χ^2/NDF: 5965.8/47

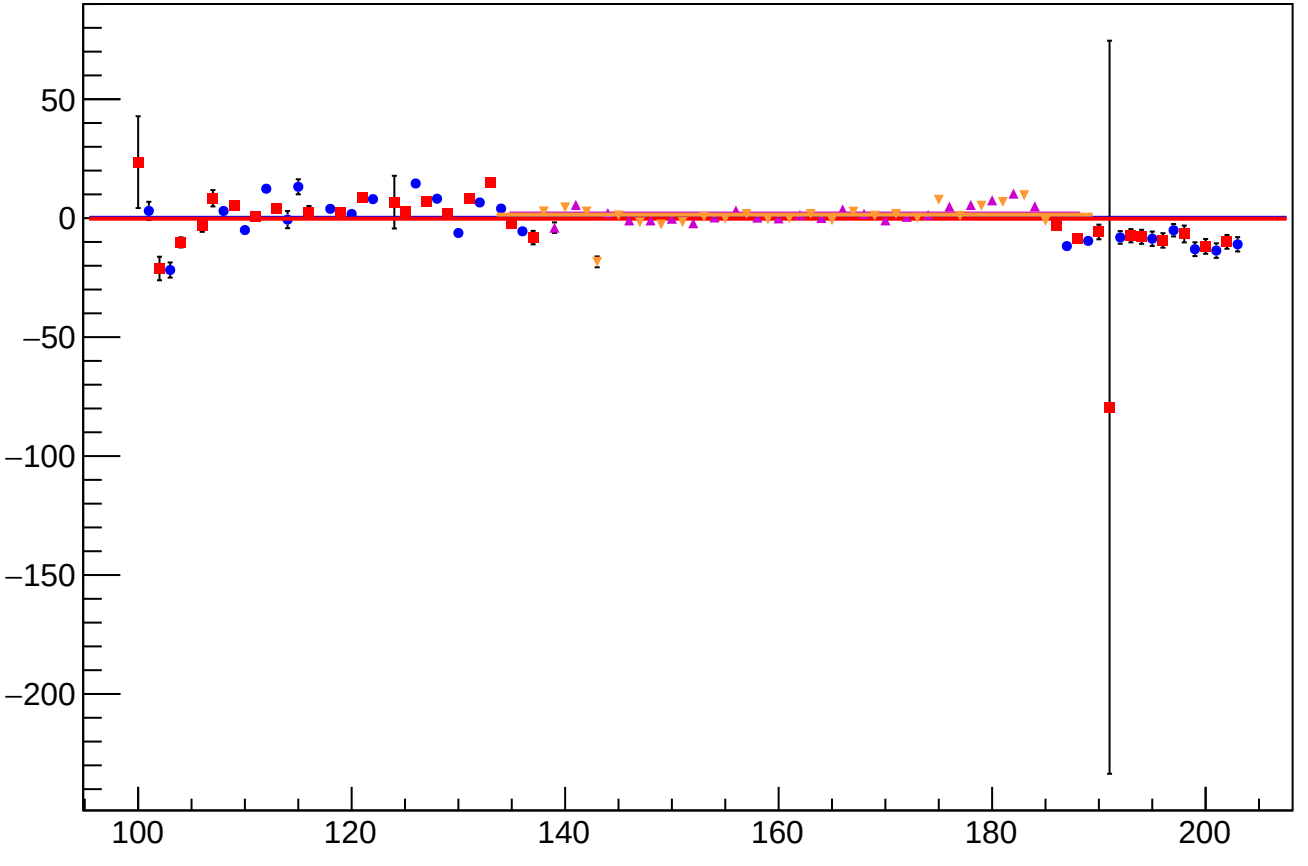
Right: 35.147+/-0.238 χ^2/NDF: 6917.4/52

In: 10.079+/-0.217 χ^2/NDF:10885.0/46

Out: 13.740+/-0.204 χ^2/NDF:17290.8/53

All: 12.022+/-0.149 χ^2/NDF: 28327.0/100

reg_asym_atl_avg_atr_avg_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 0.150+/-0.392 χ^2/NDF: 439.0/23

Left Out: 1.489+/-0.205 χ^2/NDF:328.6/24

Right Out: -0.219+/-0.364 χ^2/NDF: 374.5/28

Left In: 1.933+/-0.210 χ^2/NDF:240.7/22

Left: 1.705+/-0.147 χ^2/NDF: 571.5/47

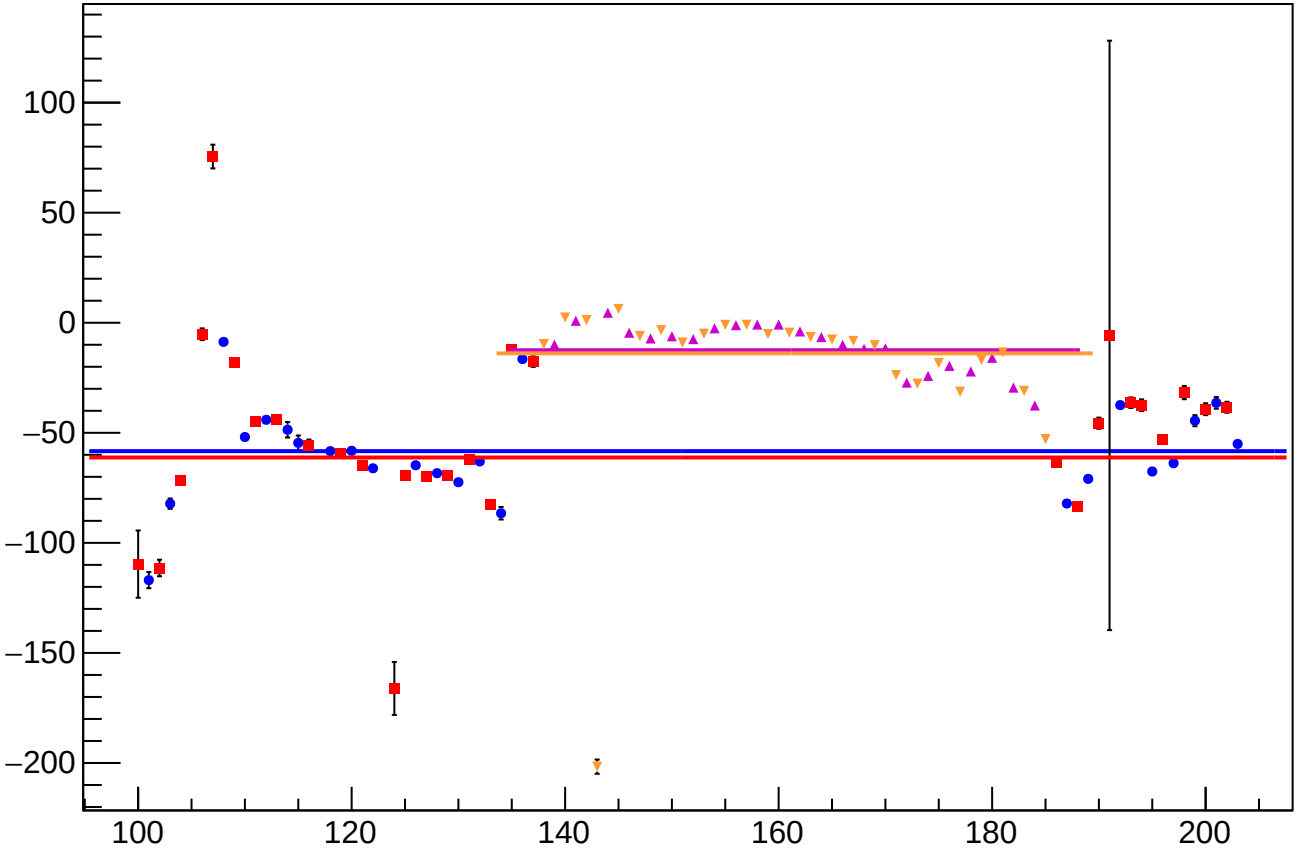
Right: -0.048+/-0.267 χ^2/NDF: 814.0/52

In: 1.534+/-0.185 χ^2/NDF:695.8/46

Out: 1.078+/-0.179 χ^2/NDF:719.7/53

All: 1.298+/-0.129 χ^2/NDF: 1418.6/100

reg_asym_atl_avg_atr_avg_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -58.337+/-0.376 χ^2/NDF: 3326.9/23

Left Out: -13.908+/-0.265 χ^2/NDF:5128.3/24

Right Out: -61.215+/-0.312 χ^2/NDF: 5463.3/28

Left In: -12.494+/-0.269 χ^2/NDF:1430.3/22

Left: -13.212+/-0.189 χ^2/NDF: 6572.6/47

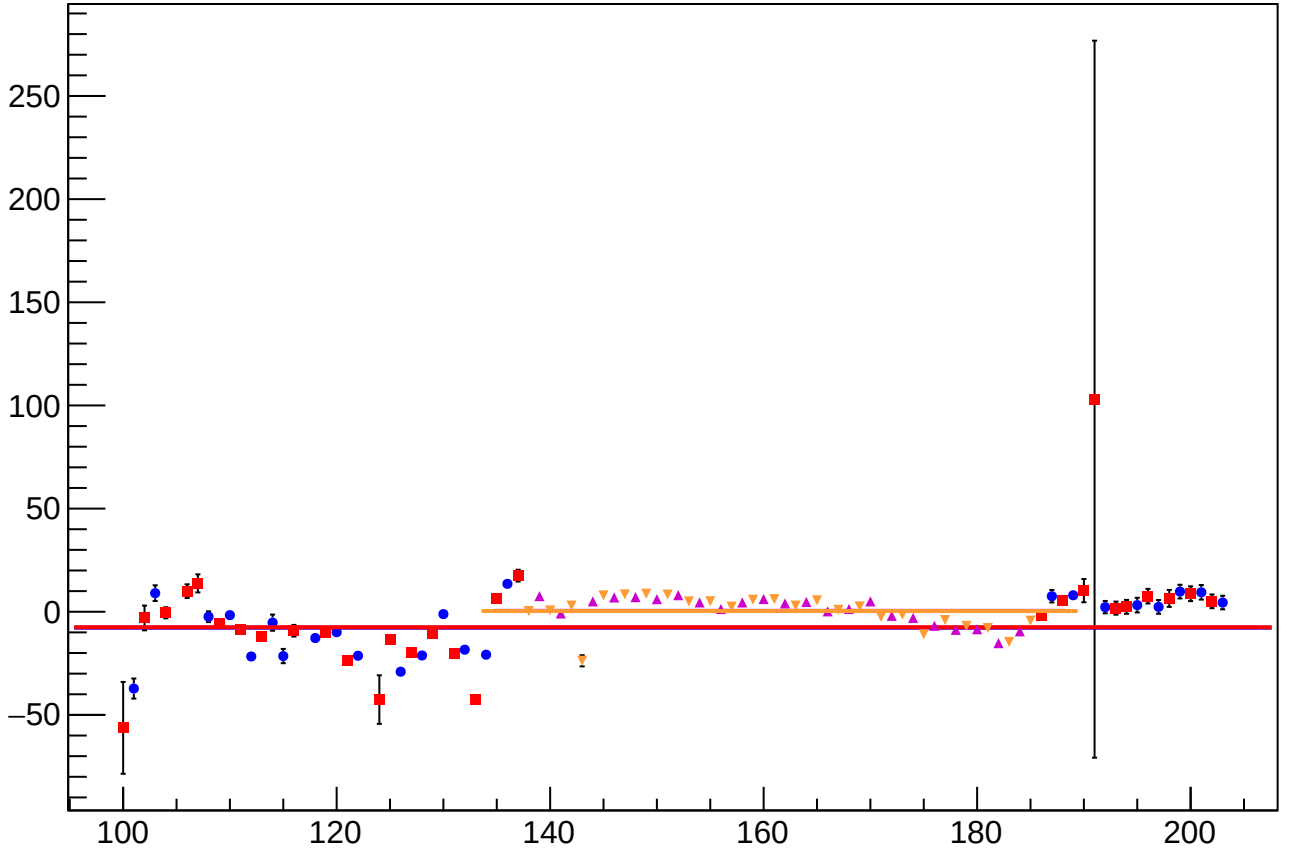
Right: -60.041+/-0.240 χ^2/NDF: 8825.0/52

In: -28.014+/-0.219 χ^2/NDF:14611.8/46

Out: -33.733+/-0.202 χ^2/NDF:23976.4/53

All: -31.102+/-0.148 χ^2/NDF: 38958.0/100

reg_asym_atl_avg_atr_avg_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -7.723+/-0.459 χ^2/NDF: 866.4/23

Left Out: 0.345+/-0.231 χ^2/NDF:921.9/24

Right Out: -7.521+/-0.441 χ^2/NDF: 900.9/28

Left In: 0.433+/-0.237 χ^2/NDF:782.1/22

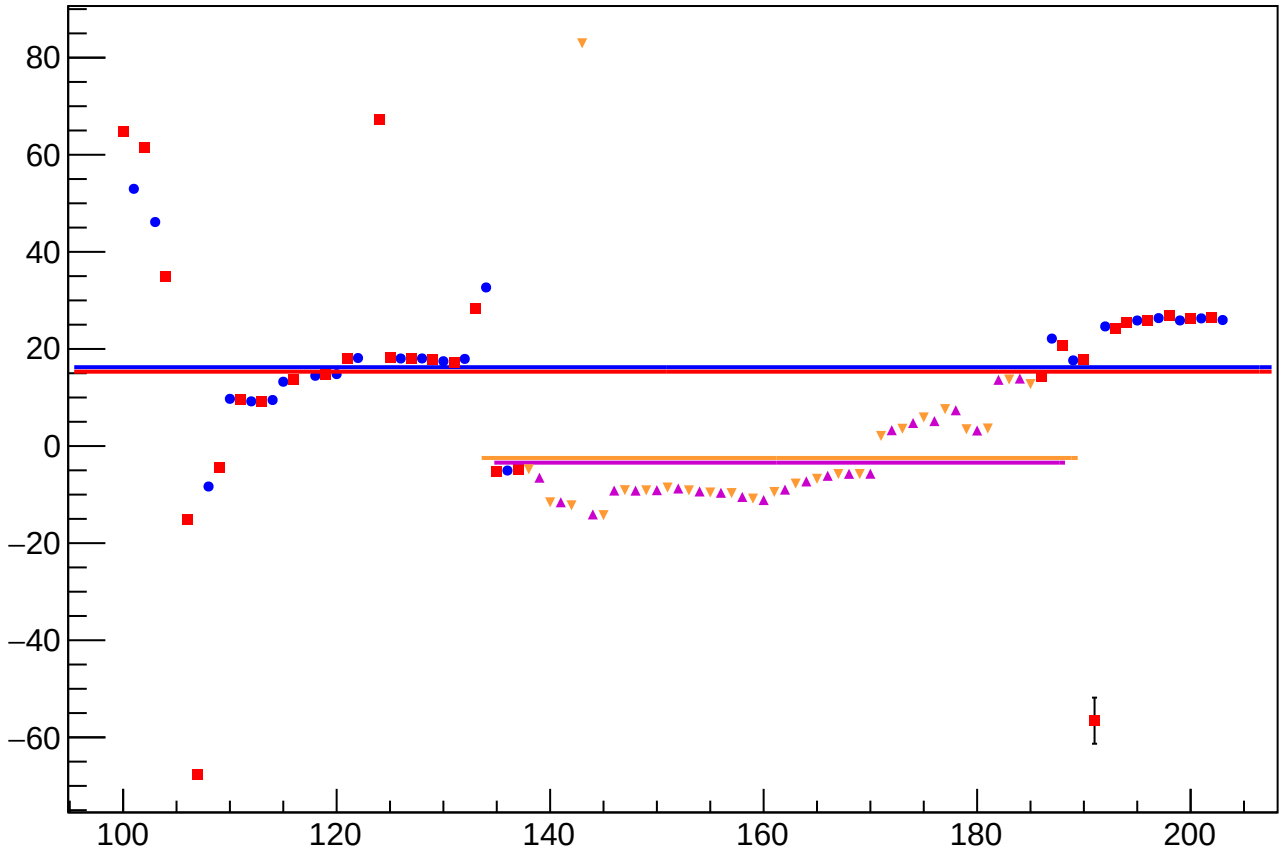
Left: 0.388+/-0.165 χ^2/NDF: 1704.0/47

Right: -7.618+/-0.318 χ^2/NDF: 1767.4/52

In: -1.282+/-0.210 χ^2/NDF:1898.2/46

Out: -1.355+/-0.205 χ^2/NDF:2072.7/53

All: -1.319+/-0.147 χ^2/NDF: 3970.9/100



Right In: 16.242+/-0.024 χ^2/NDF: 428187.6/23

Left Out: -2.452+/-0.010 χ^2/NDF:961833.3/24

Right Out: 15.320+/-0.023 χ^2/NDF: 547491.6/28

Left In: -3.418+/-0.010 χ^2/NDF:546802.2/22

Left: -2.931+/-0.007 χ^2/NDF: 1512952.8/47

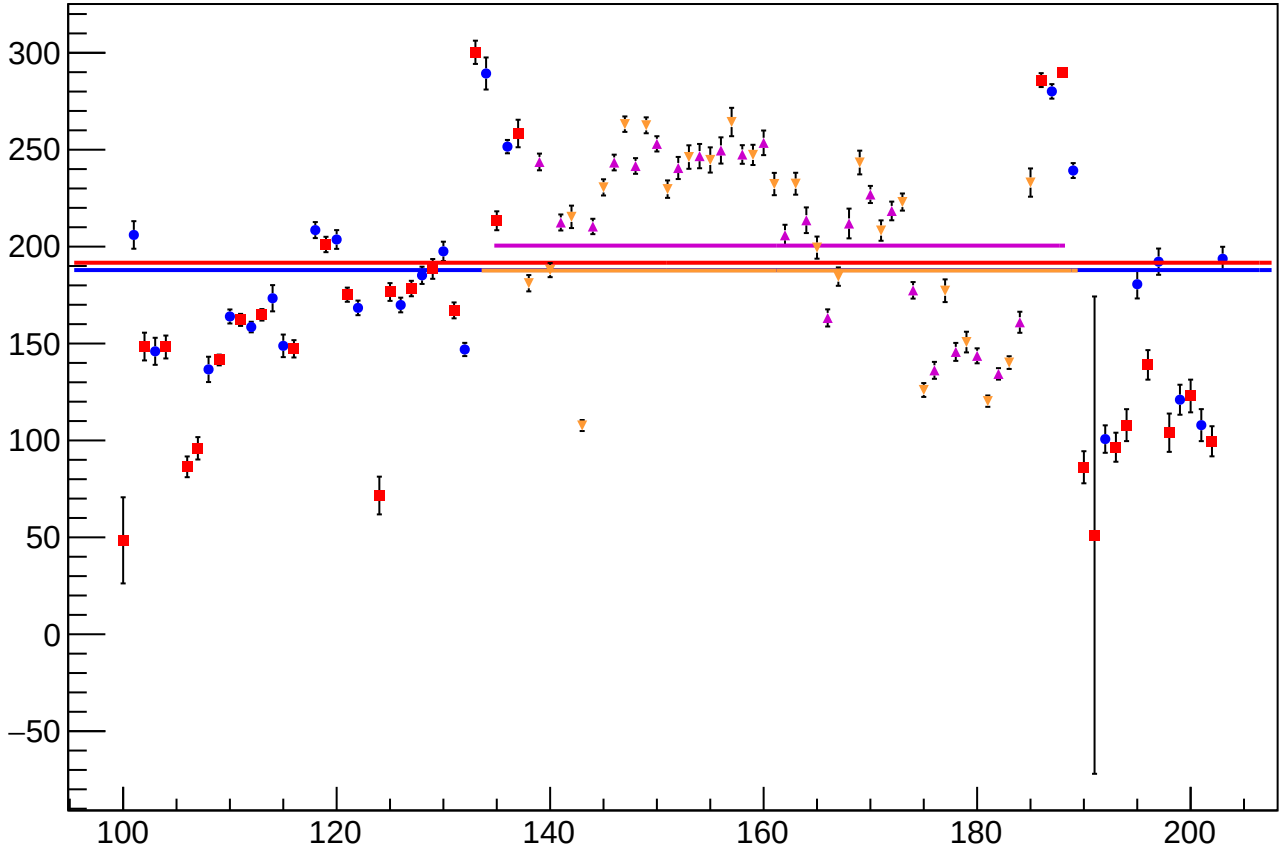
Right: 15.773+/-0.017 χ^2/NDF: 976449.4/52

In: -0.214+/-0.010 χ^2/NDF:1552910.7/46

Out: 0.483+/-0.009 χ^2/NDF:1996050.1/53

All: 0.138+/-0.007 χ^2/NDF: 3551649.8/100

reg_asym_at1_avg_at2_avg_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 187.898+/-0.954 χ^2/NDF: 2143.3/23

Left Out: 187.681+/-0.898 χ^2/NDF:3528.3/24

Right Out: 191.687+/-0.846 χ^2/NDF: 5972.2/28

Left In: 200.521+/-0.955 χ^2/NDF:2111.4/22

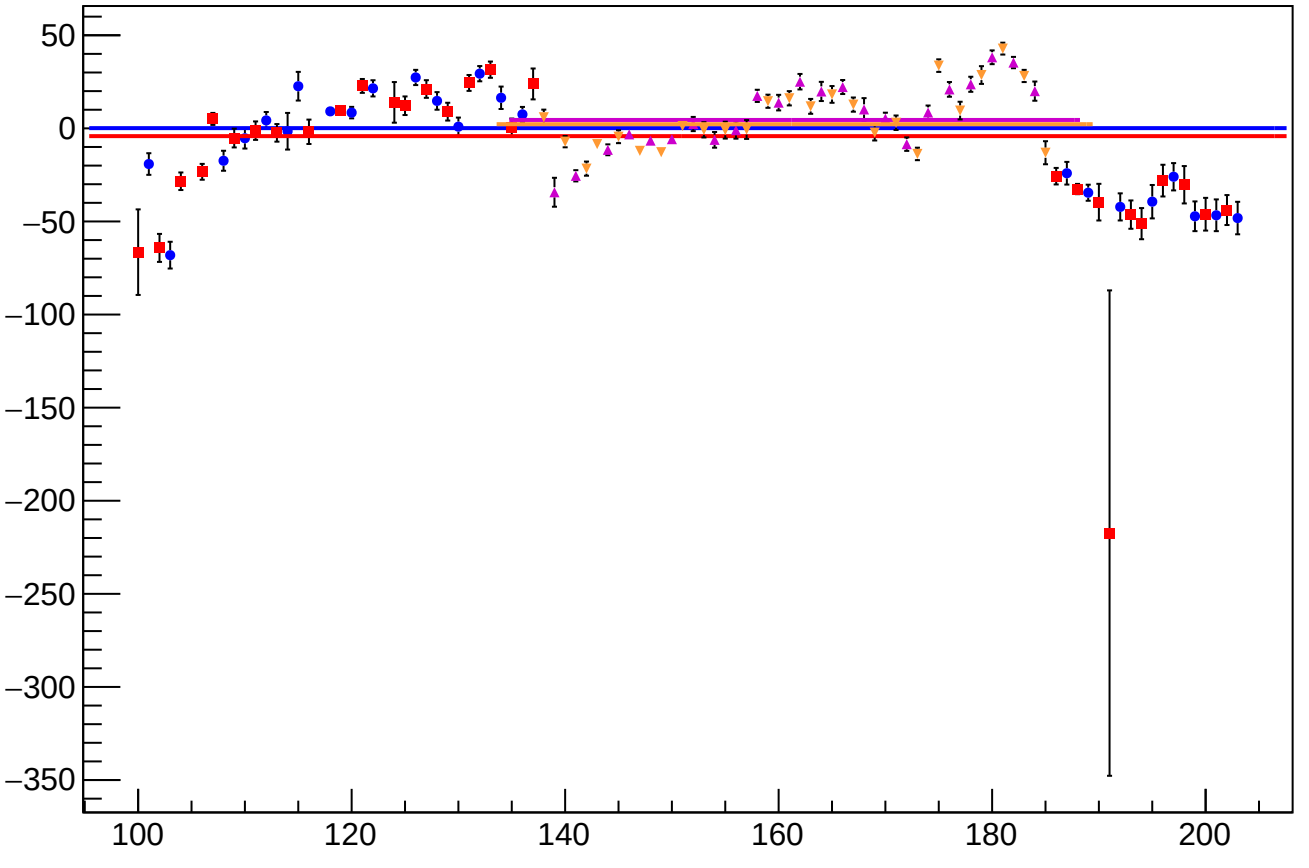
Left: 193.703+/-0.654 χ^2/NDF: 5735.7/47

Right: 190.020+/-0.633 χ^2/NDF: 8124.4/52

In: 194.203+/-0.675 χ^2/NDF:4342.2/46

Out: 189.803+/-0.616 χ^2/NDF:9511.1/53

All: 191.801+/-0.455 χ^2/NDF: 13876.5/100



Right In: 0.120+/-1.010 χ^2/NDF: 524.5/23

Left Out: 2.245+/-0.665 χ^2/NDF:600.9/24

Right Out: -4.177+/-0.927 χ^2/NDF: 650.9/28

Left In: 4.513+/-0.714 χ^2/NDF:547.1/22

Left: 3.298+/-0.486 χ^2/NDF: 1153.4/47

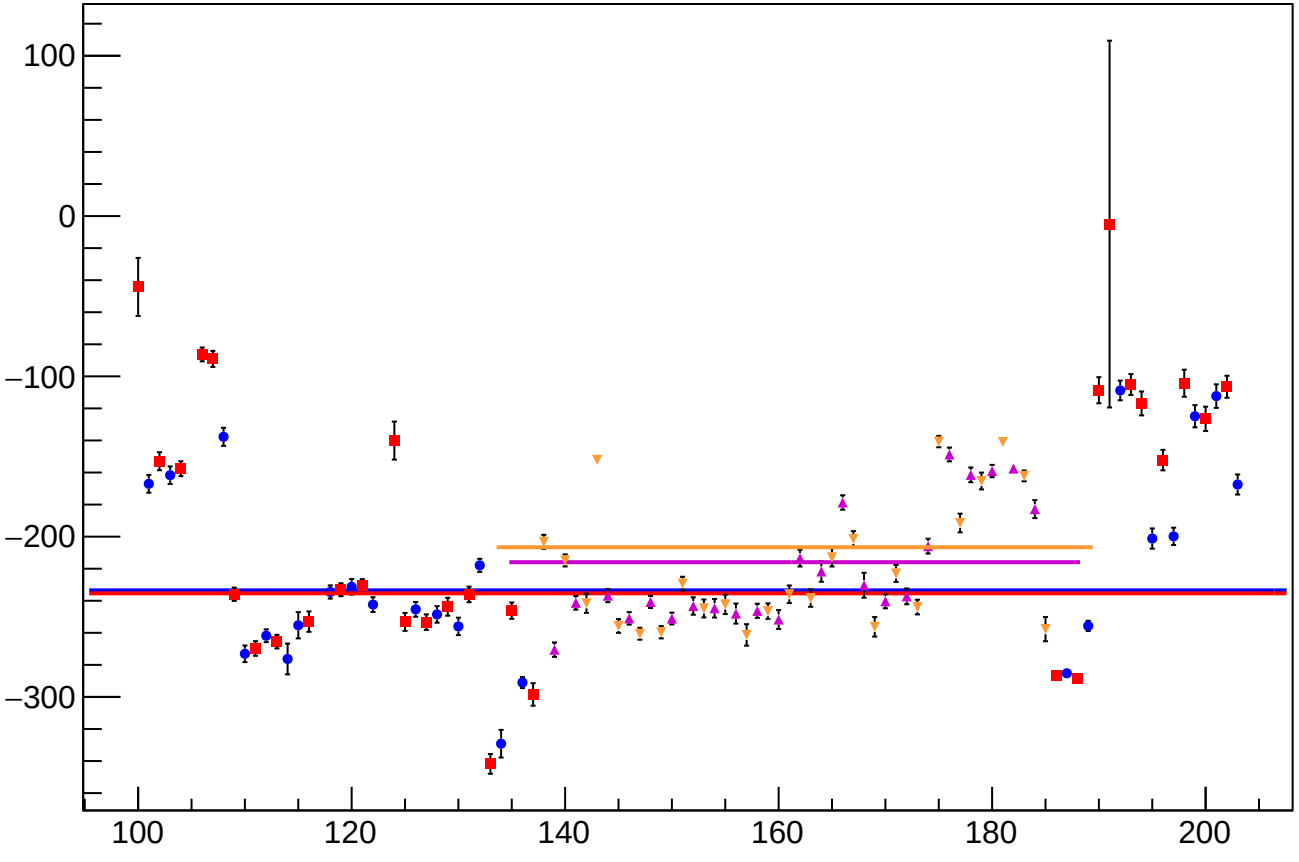
Right: -2.211+/-0.683 χ^2/NDF: 1185.2/52

In: 3.049+/-0.583 χ^2/NDF:1084.2/46

Out: 0.066+/-0.540 χ^2/NDF:1283.5/53

All: 1.444+/-0.396 χ^2/NDF: 2381.8/100

reg_asym_at1_avg_at2_avg_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -233.533+/-1.001 χ^2/NDF: 2620.8/23

Left Out: -206.617+/-0.895 χ^2/NDF:2467.8/24

Right Out: -235.373+/-0.853 χ^2/NDF: 6555.9/28

Left In: -215.938+/-0.946 χ^2/NDF:1711.9/22

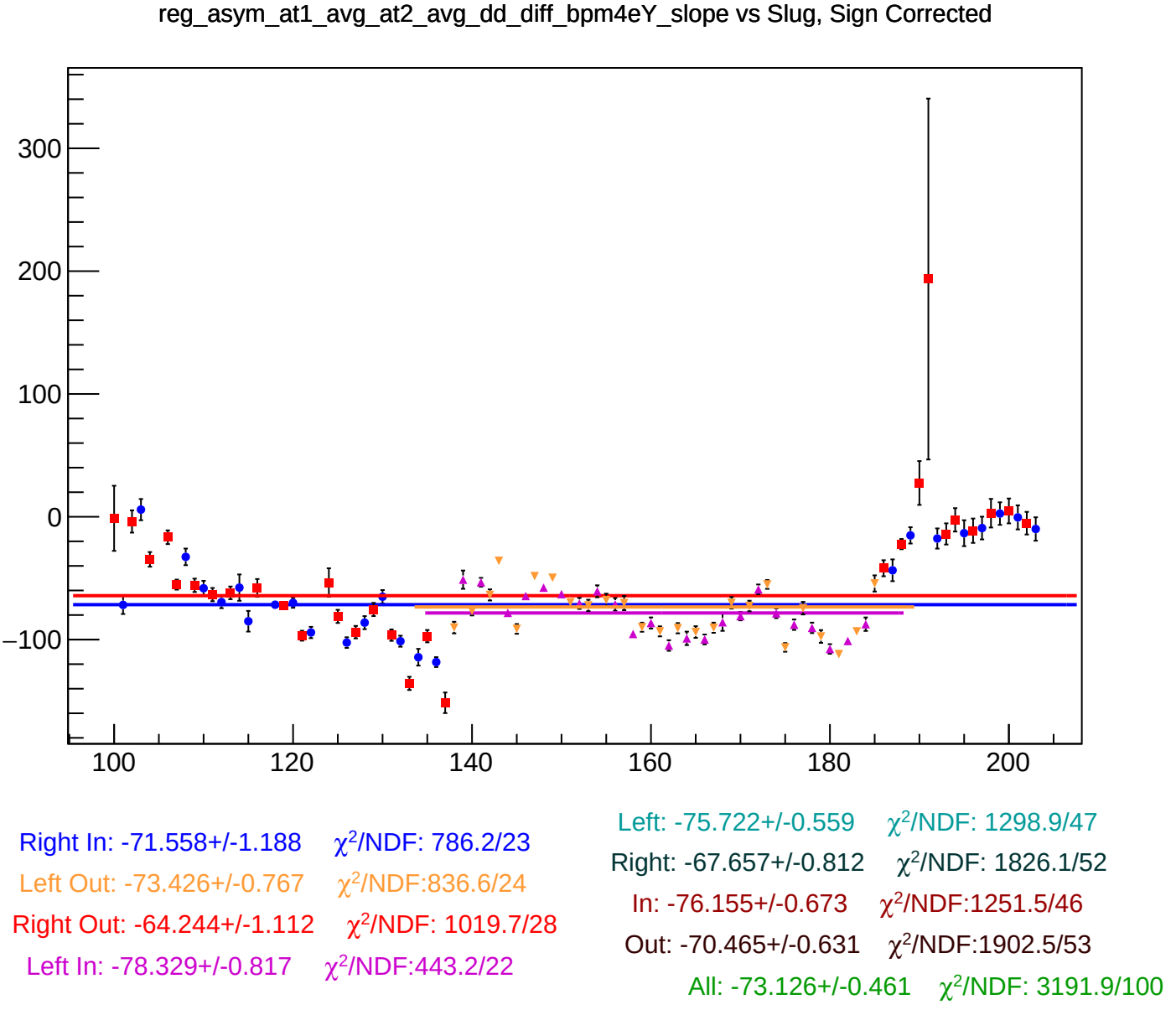
Left: -211.017+/-0.650 χ^2/NDF: 4230.9/47

Right: -234.598+/-0.649 χ^2/NDF: 9178.6/52

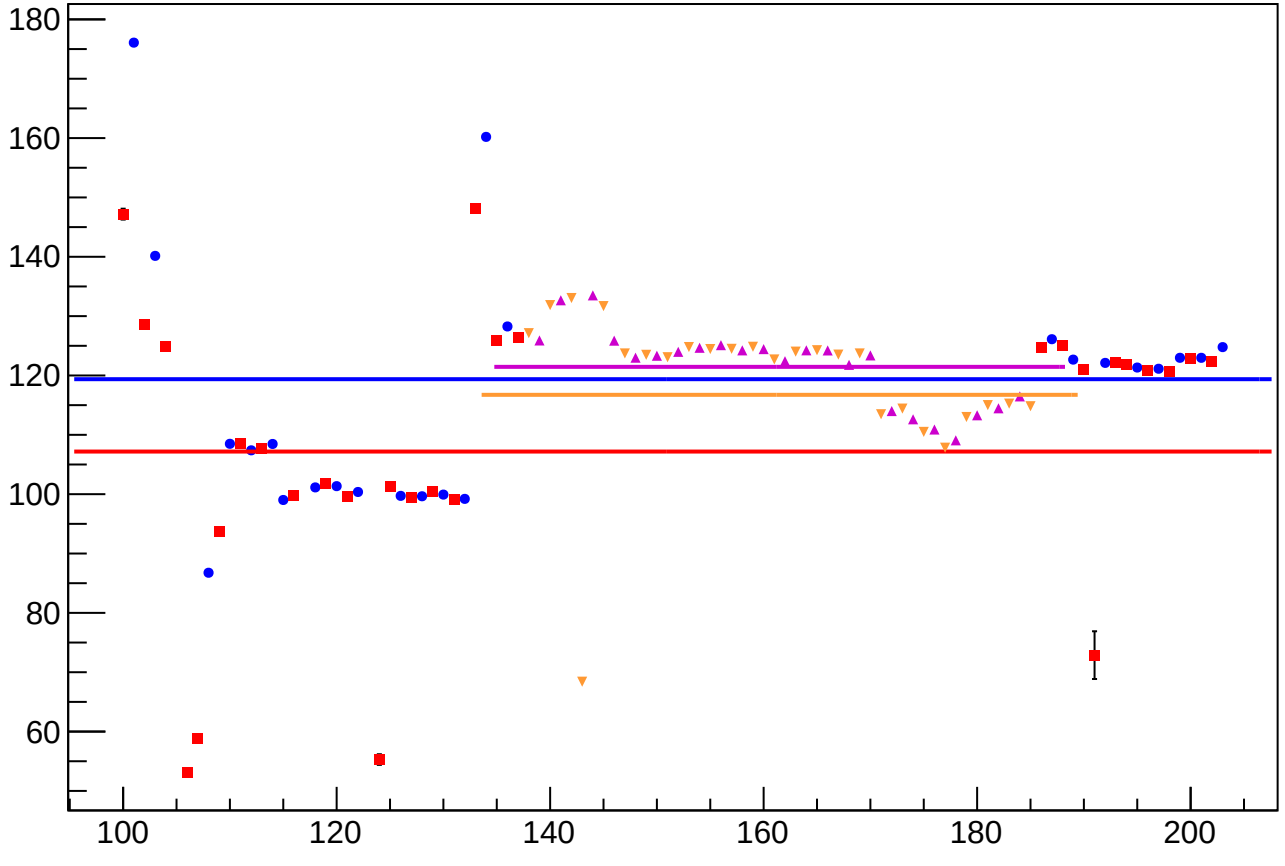
In: -224.242+/-0.688 χ^2/NDF:4495.9/46

Out: -221.683+/-0.617 χ^2/NDF:9564.9/53

All: -222.826+/-0.459 χ^2/NDF: 14068.5/100


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: -71.558+/-1.188 χ²/NDF: 786.2/23
Left Out: -73.426+/-0.767 χ²/NDF:836.6/24
Right Out: -64.244+/-1.112 χ²/NDF: 1019.7/28
Left In: -78.329+/-0.817 χ²/NDF:443.2/22
Left: -75.722+/-0.559 χ²/NDF: 1298.9/47
Right: -67.657+/-0.812 χ²/NDF: 1826.1/52
In: -76.155+/-0.673 χ²/NDF:1251.5/46
Out: -70.465+/-0.631 χ²/NDF:1902.5/53
All: -73.126+/-0.461 χ²/NDF: 3191.9/100

reg_asym_at1_avg_at2_avg_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 119.375+/-0.064 χ^2/NDF: 96938.7/23

Left Out: 116.740+/-0.036 χ^2/NDF:203650.9/24

Right Out: 107.182+/-0.058 χ^2/NDF: 201853.6/28

Left In: 121.455+/-0.037 χ^2/NDF:28796.4/22

Left: 119.004+/-0.026 χ^2/NDF: 240766.9/47

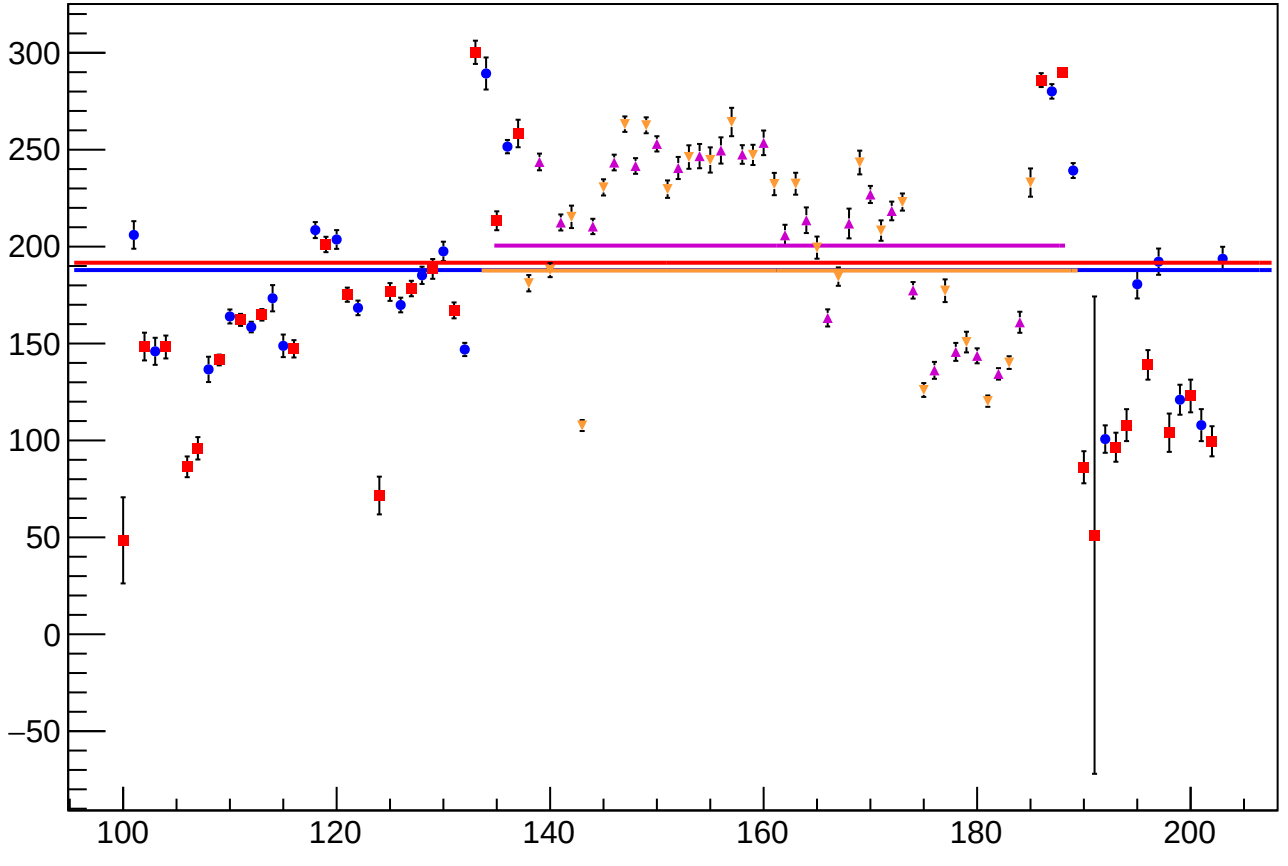
Right: 112.667+/-0.043 χ^2/NDF: 318979.6/52

In: 120.924+/-0.032 χ^2/NDF:126530.2/46

Out: 114.072+/-0.030 χ^2/NDF:425382.5/53

All: 117.307+/-0.022 χ^2/NDF: 575875.4/100

reg_asym_atl1r2_dd_atl2r1_dd_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 187.898+/-0.954 χ^2/NDF: 2143.3/23

Left Out: 187.681+/-0.898 χ^2/NDF:3528.3/24

Right Out: 191.687+/-0.846 χ^2/NDF: 5972.2/28

Left In: 200.521+/-0.955 χ^2/NDF:2111.4/22

Left: 193.703+/-0.654 χ^2/NDF: 5735.7/47

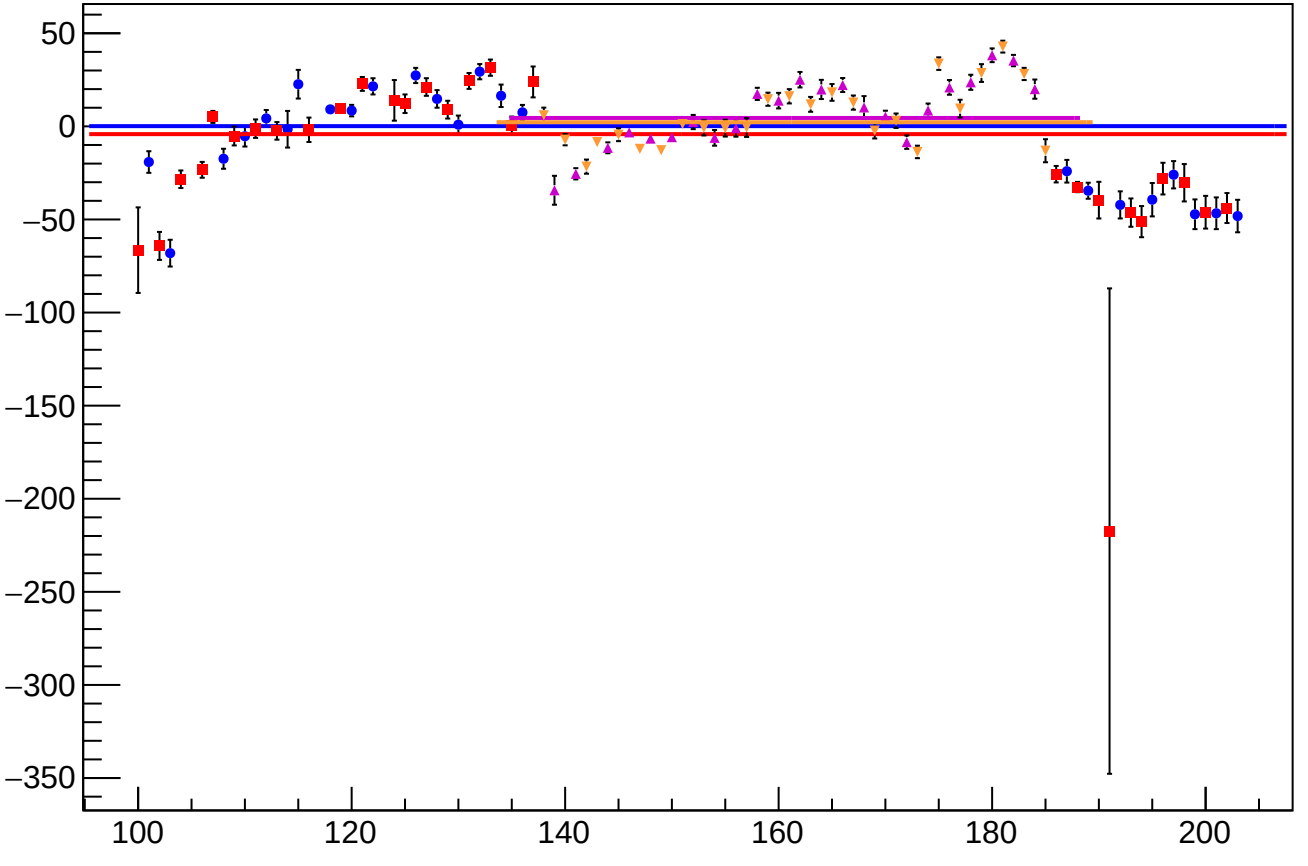
Right: 190.020+/-0.633 χ^2/NDF: 8124.4/52

In: 194.203+/-0.675 χ^2/NDF:4342.2/46

Out: 189.803+/-0.616 χ^2/NDF:9511.1/53

All: 191.801+/-0.455 χ^2/NDF: 13876.5/100

reg_asym_atl1r2_dd_atl2r1_dd_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 0.120+/-1.010 χ^2/NDF: 524.5/23

Left Out: 2.245+/-0.665 χ^2/NDF:600.9/24

Right Out: -4.177+/-0.927 χ^2/NDF: 650.9/28

Left In: 4.513+/-0.714 χ^2/NDF:547.1/22

Left: 3.298+/-0.486 χ^2/NDF: 1153.4/47

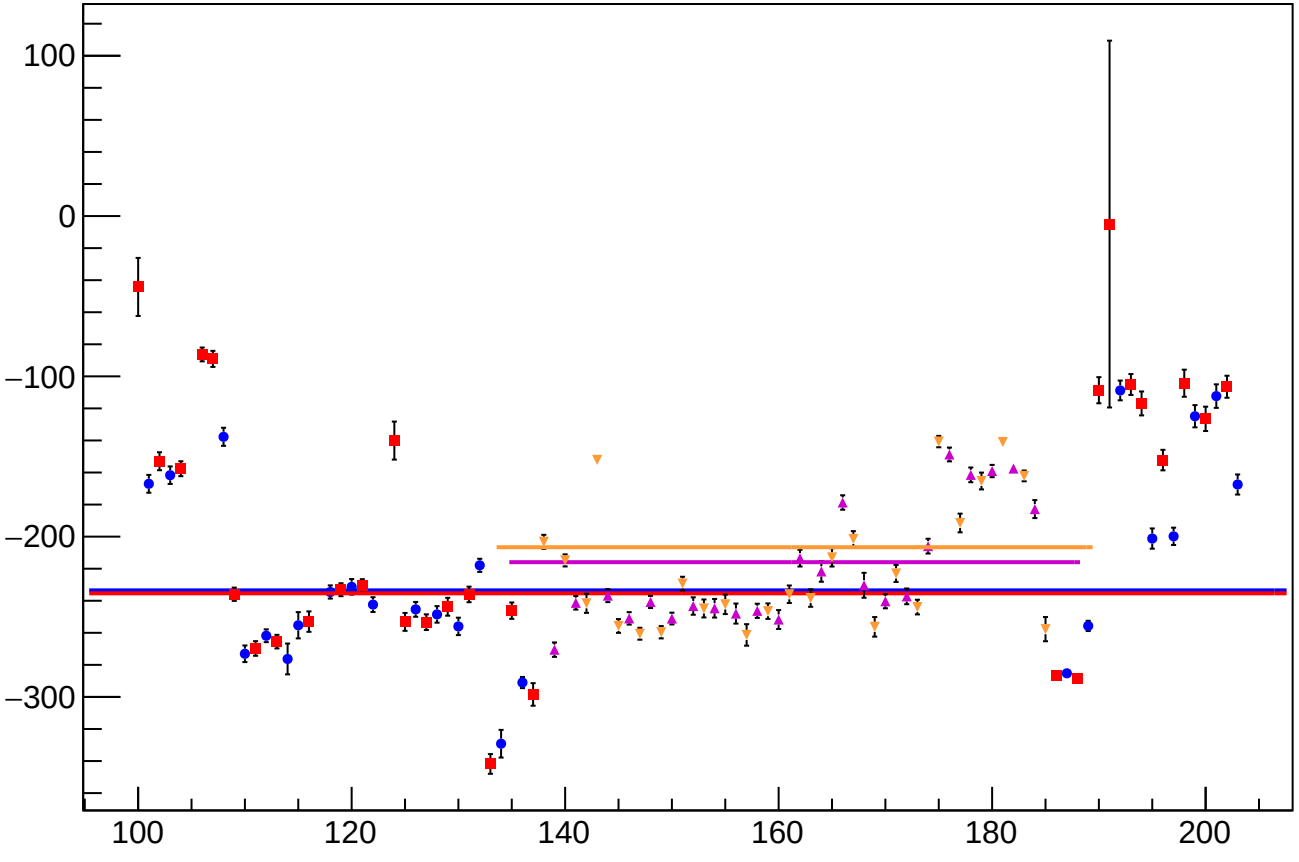
Right: -2.211+/-0.683 χ^2/NDF: 1185.2/52

In: 3.049+/-0.583 χ^2/NDF:1084.2/46

Out: 0.066+/-0.540 χ^2/NDF:1283.5/53

All: 1.444+/-0.396 χ^2/NDF: 2381.8/100

reg_asym_atl1r2_dd_atl2r1_dd_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -233.533+/-1.001 χ^2/NDF: 2620.8/23

Left Out: -206.617+/-0.895 χ^2/NDF:2467.8/24

Right Out: -235.373+/-0.853 χ^2/NDF: 6555.9/28

Left In: -215.938+/-0.946 χ^2/NDF:1711.9/22

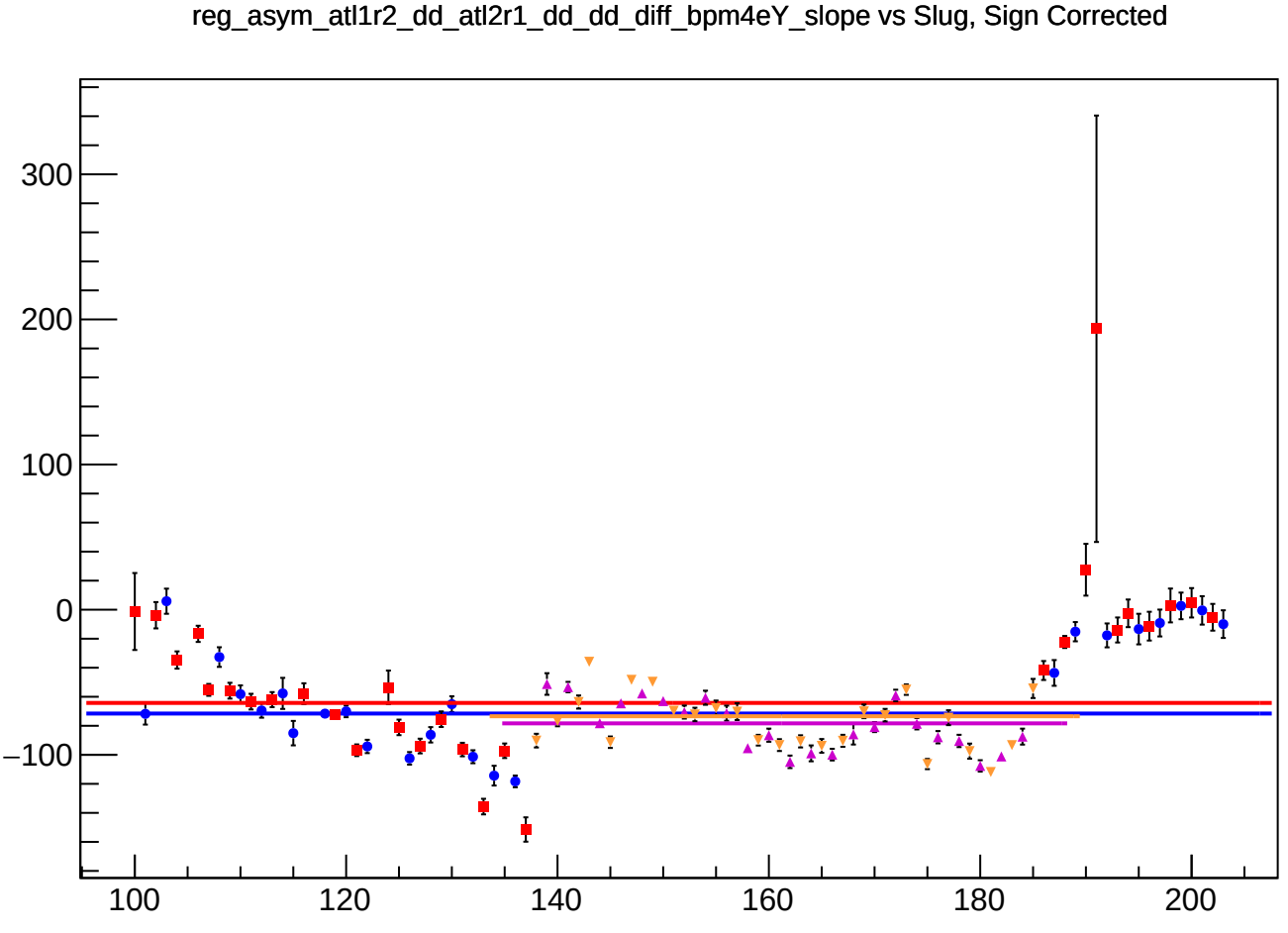
Left: -211.017+/-0.650 χ^2/NDF: 4230.9/47

Right: -234.598+/-0.649 χ^2/NDF: 9178.6/52

In: -224.242+/-0.688 χ^2/NDF:4495.9/46

Out: -221.683+/-0.617 χ^2/NDF:9564.9/53

All: -222.826+/-0.459 χ^2/NDF: 14068.5/100


reg_asym_atl1r2_dd_atl2r1_dd_dd_diff_bpm4eY_slope vs Slug, Sign Corrected
300
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Right In: -71.558+/-1.188 χ²/NDF: 786.2/23
Left Out: -73.426+/-0.767 χ²/NDF:836.6/24
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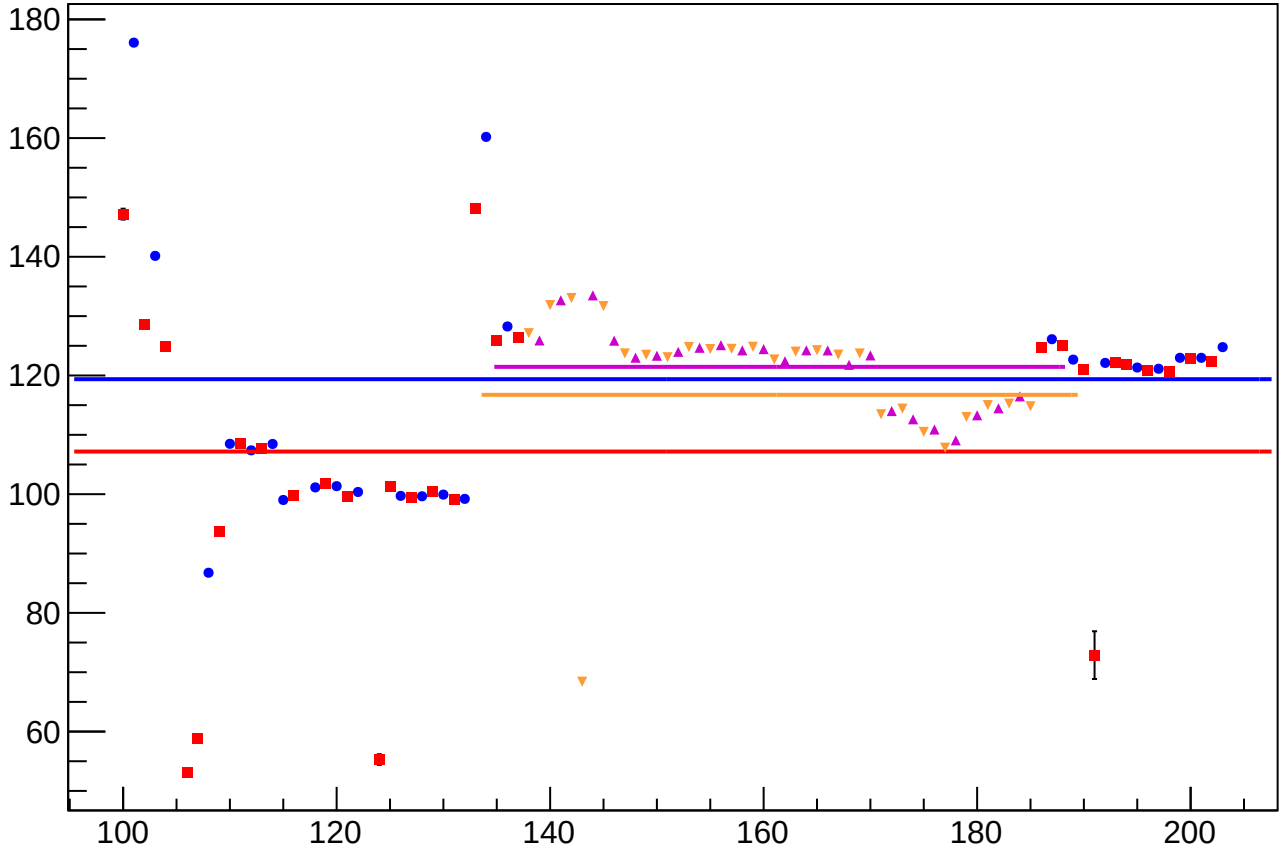
In: -76.155+/-0.673 χ²/NDF:1251.5/46
Out: -70.465+/-0.631 χ²/NDF:1902.5/53
All: -73.126+/-0.461 χ²/NDF: 3191.9/100

reg_asym_atl1r2_dd_atl2r1_dd_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 119.375+/-0.064 χ^2/NDF: 96938.7/23

Left Out: 116.740+/-0.036 χ^2/NDF:203650.9/24

Right Out: 107.182+/-0.058 χ^2/NDF: 201853.6/28

Left In: 121.455+/-0.037 χ^2/NDF:28796.4/22

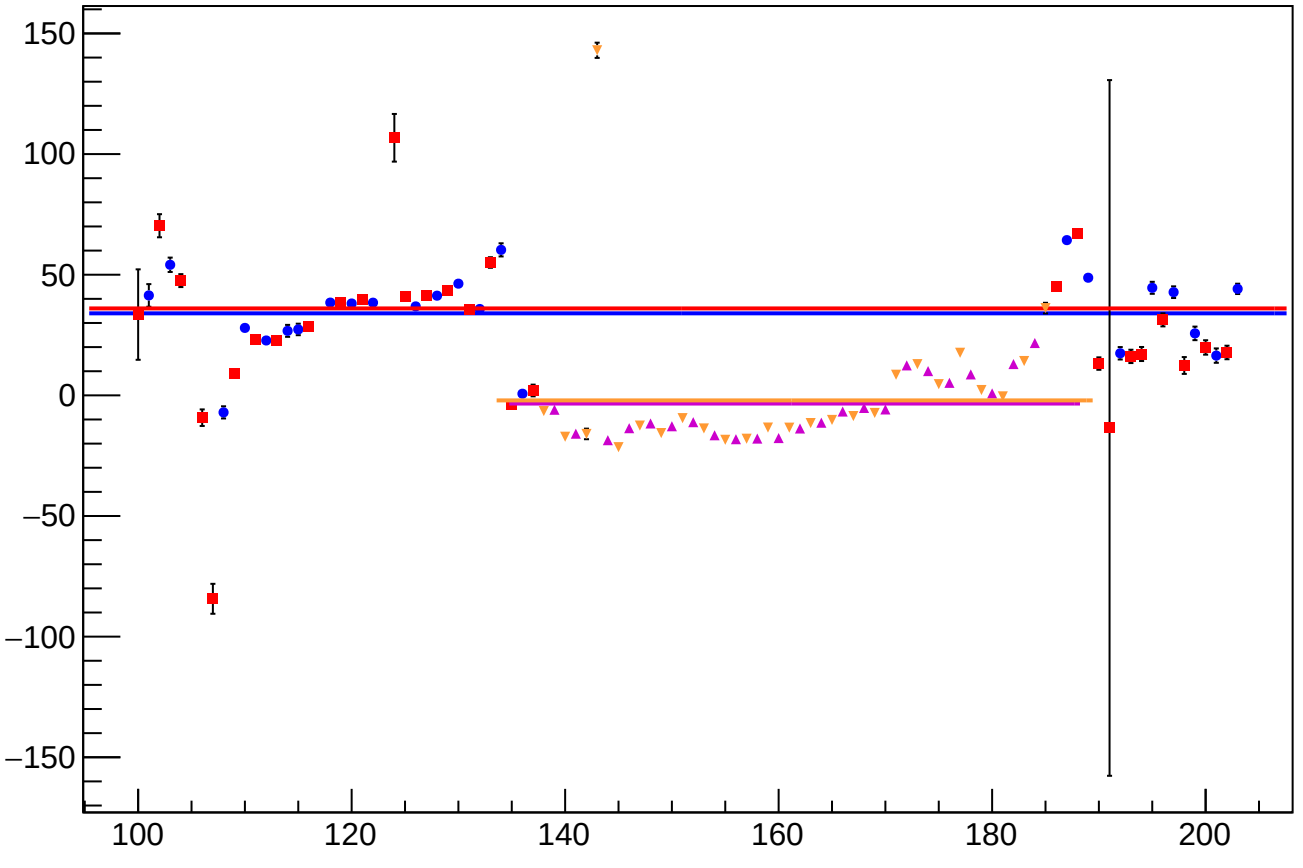
Left: 119.004+/-0.026 χ^2/NDF: 240766.9/47

Right: 112.667+/-0.043 χ^2/NDF: 318979.6/52

In: 120.924+/-0.032 χ^2/NDF:126530.2/46

Out: 114.072+/-0.030 χ^2/NDF:425382.5/53

All: 117.307+/-0.022 χ^2/NDF: 575875.4/100



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Left Out: -2.091+/-0.267 χ^2/NDF:4201.3/24

Right Out: 36.028+/-0.317 χ^2/NDF: 4609.9/28

Left In: -3.391+/-0.271 χ^2/NDF:1752.8/22

Left: -2.730+/-0.190 χ^2/NDF: 5965.8/47

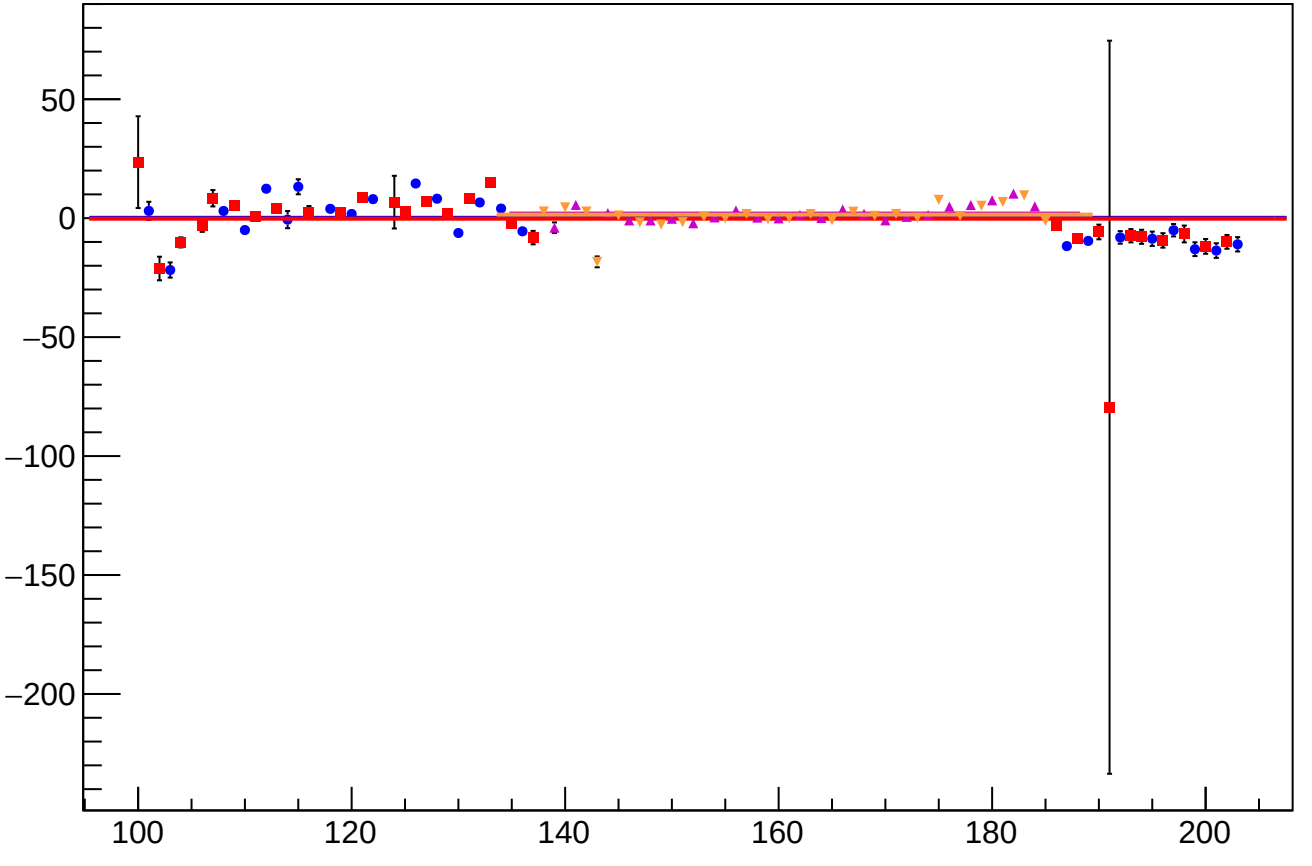
Right: 35.147+/-0.238 χ^2/NDF: 6917.4/52

In: 10.079+/-0.217 χ^2/NDF:10885.0/46

Out: 13.740+/-0.204 χ^2/NDF:17290.8/53

All: 12.022+/-0.149 χ^2/NDF: 28327.0/100

reg_asym_atl1r2_dd_atl2r1_dd_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



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Left Out: 1.489+/-0.205 χ^2/NDF:328.6/24

Right Out: -0.219+/-0.364 χ^2/NDF: 374.5/28

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Left: 1.705+/-0.147 χ^2/NDF: 571.5/47

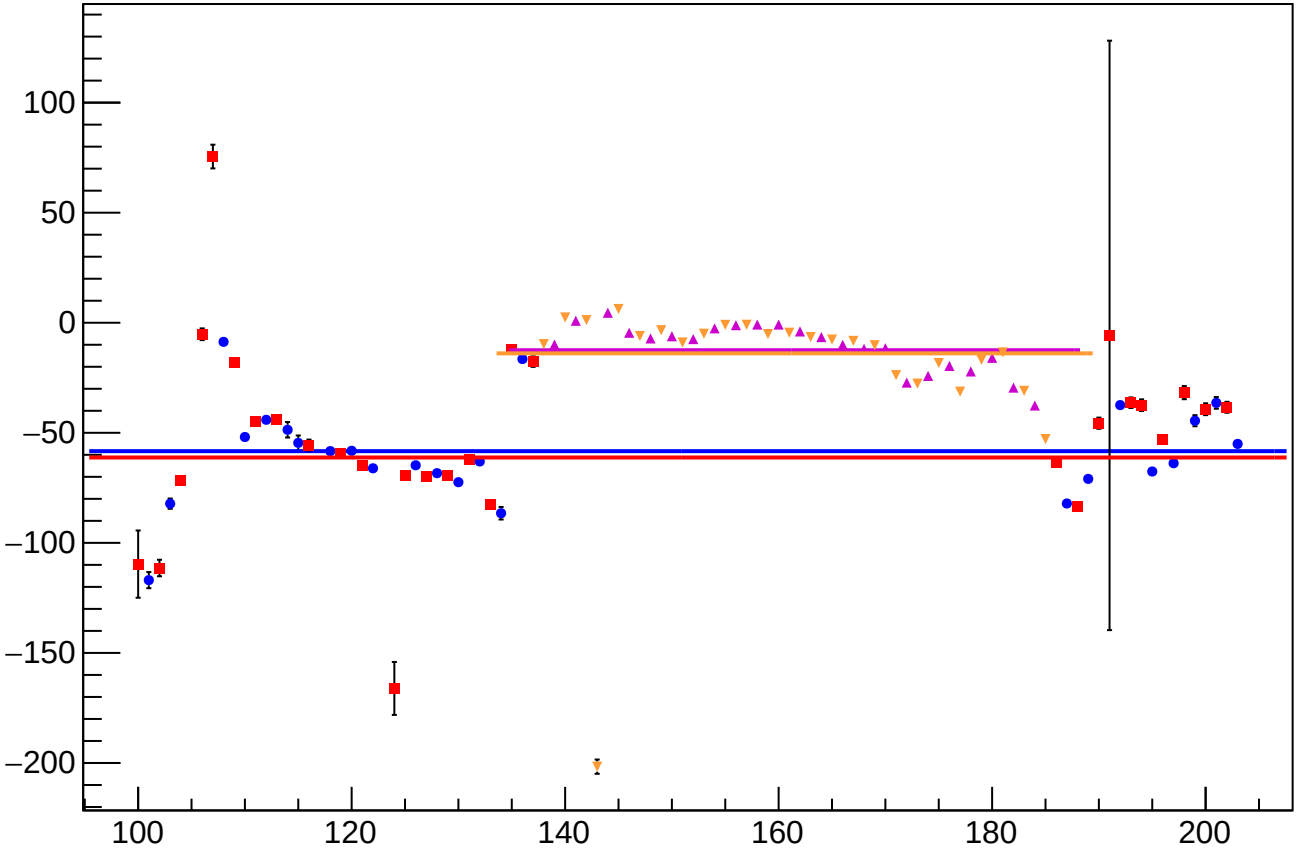
Right: -0.048+/-0.267 χ^2/NDF: 814.0/52

In: 1.534+/-0.185 χ^2/NDF:695.8/46

Out: 1.078+/-0.179 χ^2/NDF:719.7/53

All: 1.298+/-0.129 χ^2/NDF: 1418.6/100

reg_asym_atl1r2_dd_atl2r1_dd_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



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Left Out: -13.908+/-0.265 χ^2/NDF:5128.3/24

Right Out: -61.215+/-0.312 χ^2/NDF: 5463.3/28

Left In: -12.494+/-0.269 χ^2/NDF:1430.3/22

Left: -13.212+/-0.189 χ^2/NDF: 6572.6/47

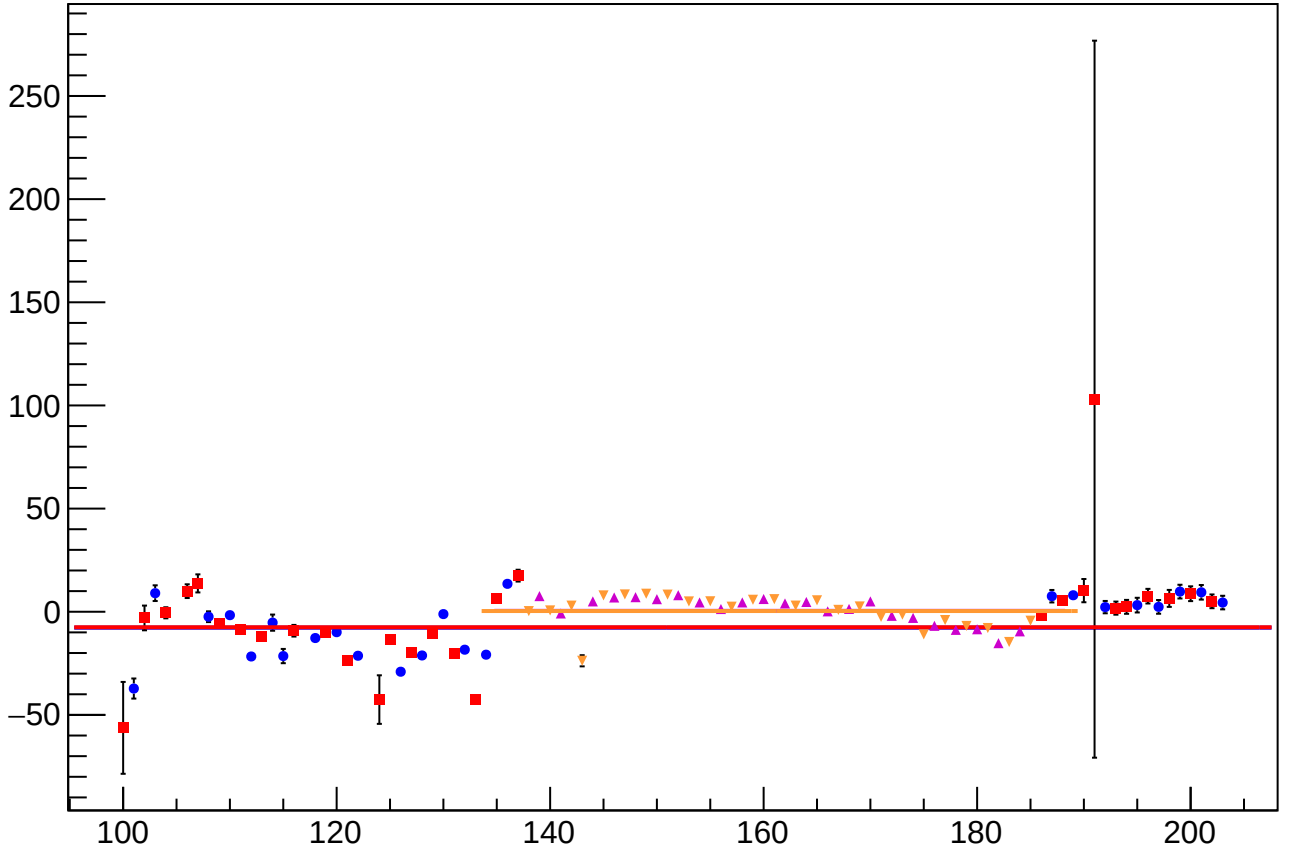
Right: -60.041+/-0.240 χ^2/NDF: 8825.0/52

In: -28.014+/-0.219 χ^2/NDF:14611.8/46

Out: -33.733+/-0.202 χ^2/NDF:23976.4/53

All: -31.102+/-0.148 χ^2/NDF: 38958.0/100

reg_asym_atl1r2_dd_atl2r1_dd_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -7.723+/-0.459 χ^2/NDF: 866.4/23

Left Out: 0.345+/-0.231 χ^2/NDF:921.9/24

Right Out: -7.521+/-0.441 χ^2/NDF: 900.9/28

Left In: 0.433+/-0.237 χ^2/NDF:782.1/22

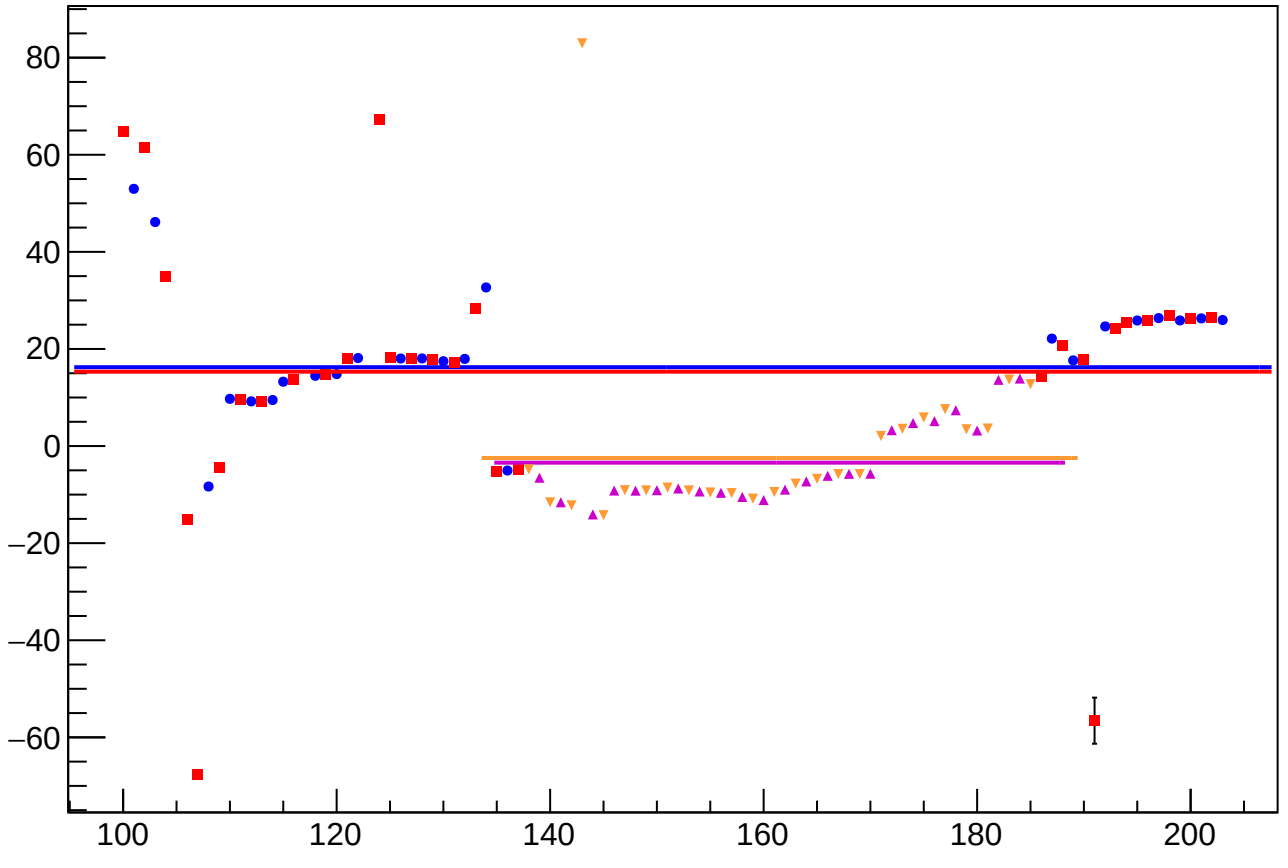
Left: 0.388+/-0.165 χ^2/NDF: 1704.0/47

Right: -7.618+/-0.318 χ^2/NDF: 1767.4/52

In: -1.282+/-0.210 χ^2/NDF:1898.2/46

Out: -1.355+/-0.205 χ^2/NDF:2072.7/53

All: -1.319+/-0.147 χ^2/NDF: 3970.9/100



Right In: 16.242+/-0.024 χ^2/NDF: 428187.6/23

Left Out: -2.452+/-0.010 χ^2/NDF:961833.3/24

Right Out: 15.320+/-0.023 χ^2/NDF: 547491.6/28

Left In: -3.418+/-0.010 χ^2/NDF:546802.2/22

Left: -2.931+/-0.007 χ^2/NDF: 1512952.8/47

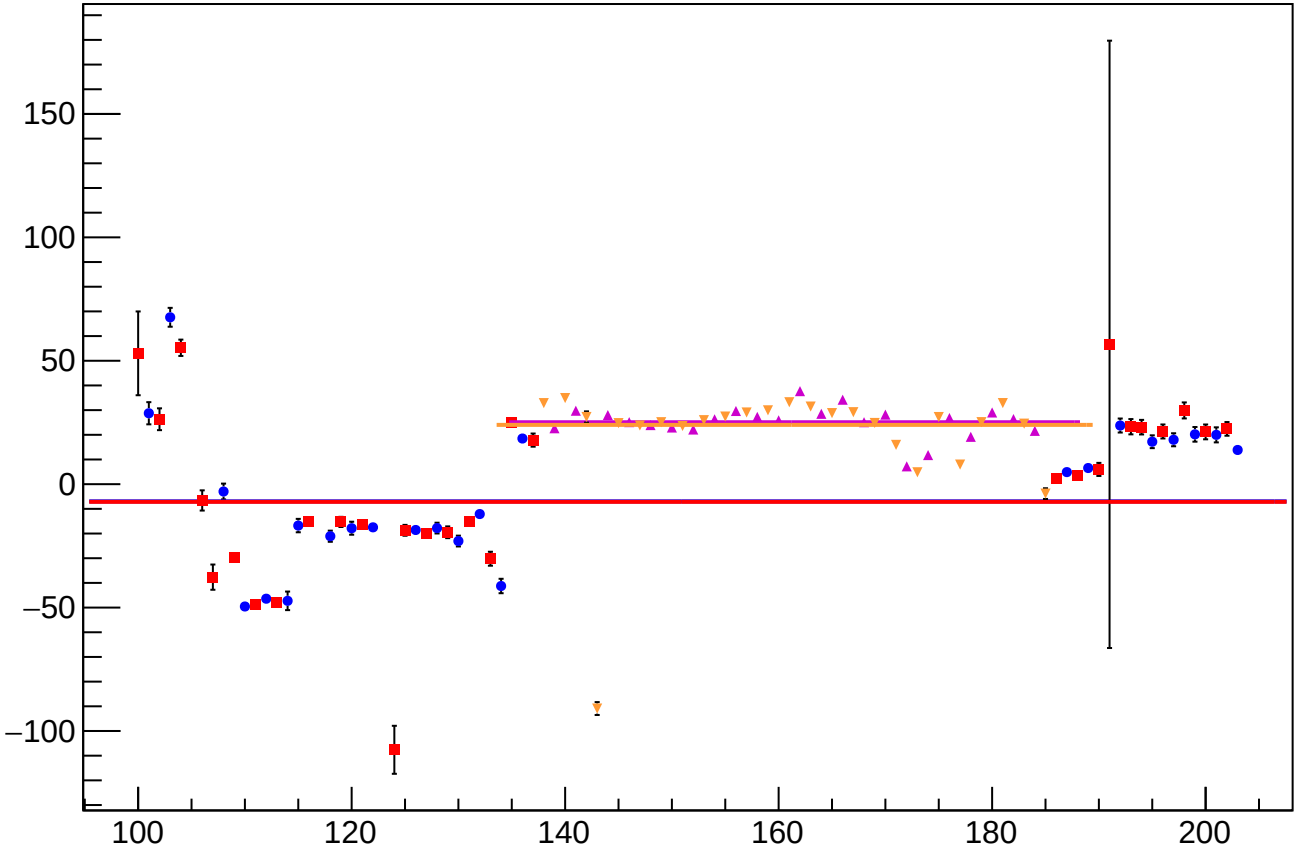
Right: 15.773+/-0.017 χ^2/NDF: 976449.4/52

In: -0.214+/-0.010 χ^2/NDF:1552910.7/46

Out: 0.483+/-0.009 χ^2/NDF:1996050.1/53

All: 0.138+/-0.007 χ^2/NDF: 3551649.8/100

reg_asym_at1_dd_at2_dd_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -6.957+/-0.452 χ^2/NDF: 3024.0/23

Left Out: 24.025+/-0.282 χ^2/NDF:2802.2/24

Right Out: -7.154+/-0.411 χ^2/NDF: 3352.3/28

Left In: 25.089+/-0.287 χ^2/NDF:495.3/22

Left: 24.547+/-0.201 χ^2/NDF: 3304.5/47

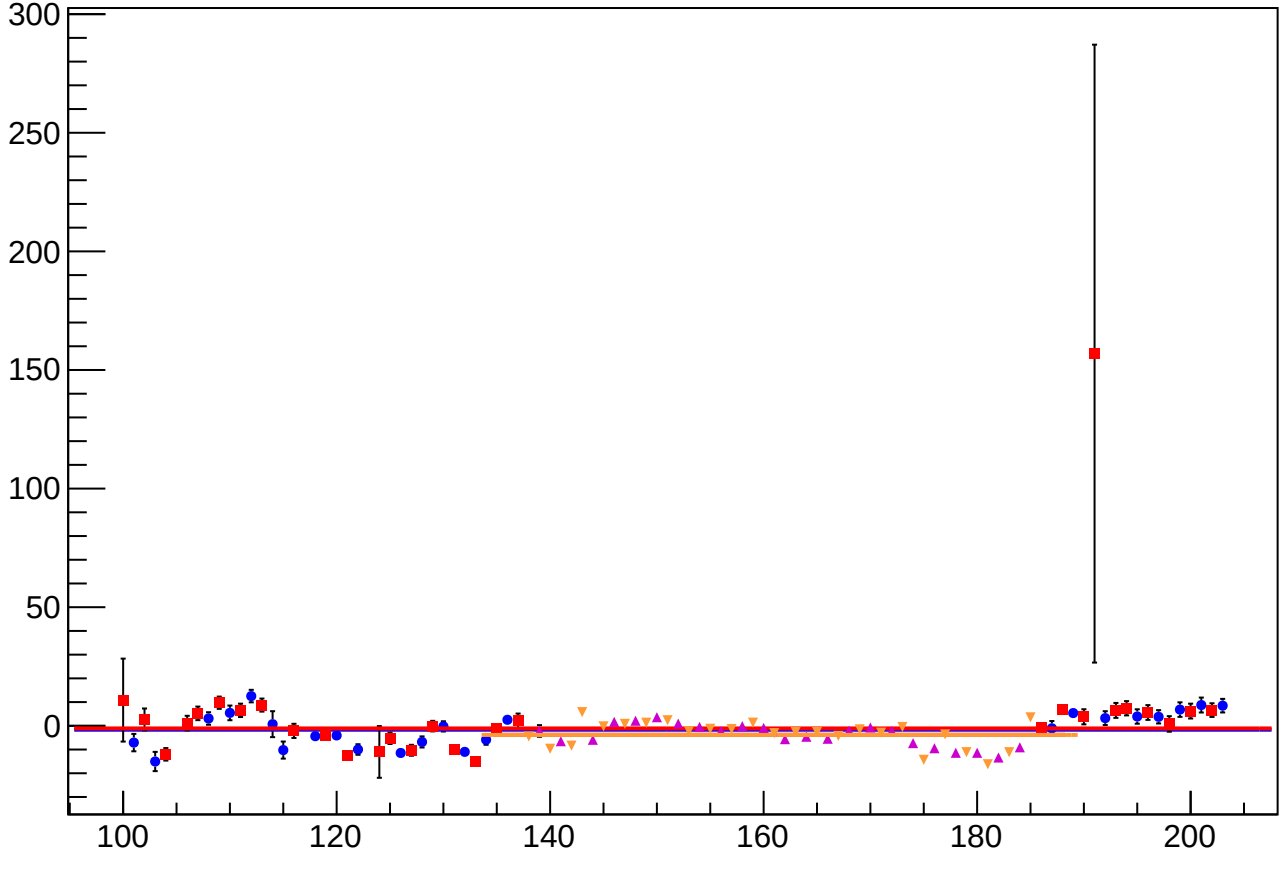
Right: -7.065+/-0.304 χ^2/NDF: 6376.3/52

In: 15.885+/-0.242 χ^2/NDF:7094.7/46

Out: 14.050+/-0.233 χ^2/NDF:10064.8/53

All: 14.930+/-0.168 χ^2/NDF: 17189.3/100

reg_asym_at1_dd_at2_dd_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -1.643+/-0.483 χ^2/NDF: 189.6/23

Left Out: -3.845+/-0.218 χ^2/NDF:649.4/24

Right Out: -1.106+/-0.459 χ^2/NDF: 248.4/28

Left In: -3.780+/-0.224 χ^2/NDF:509.8/22

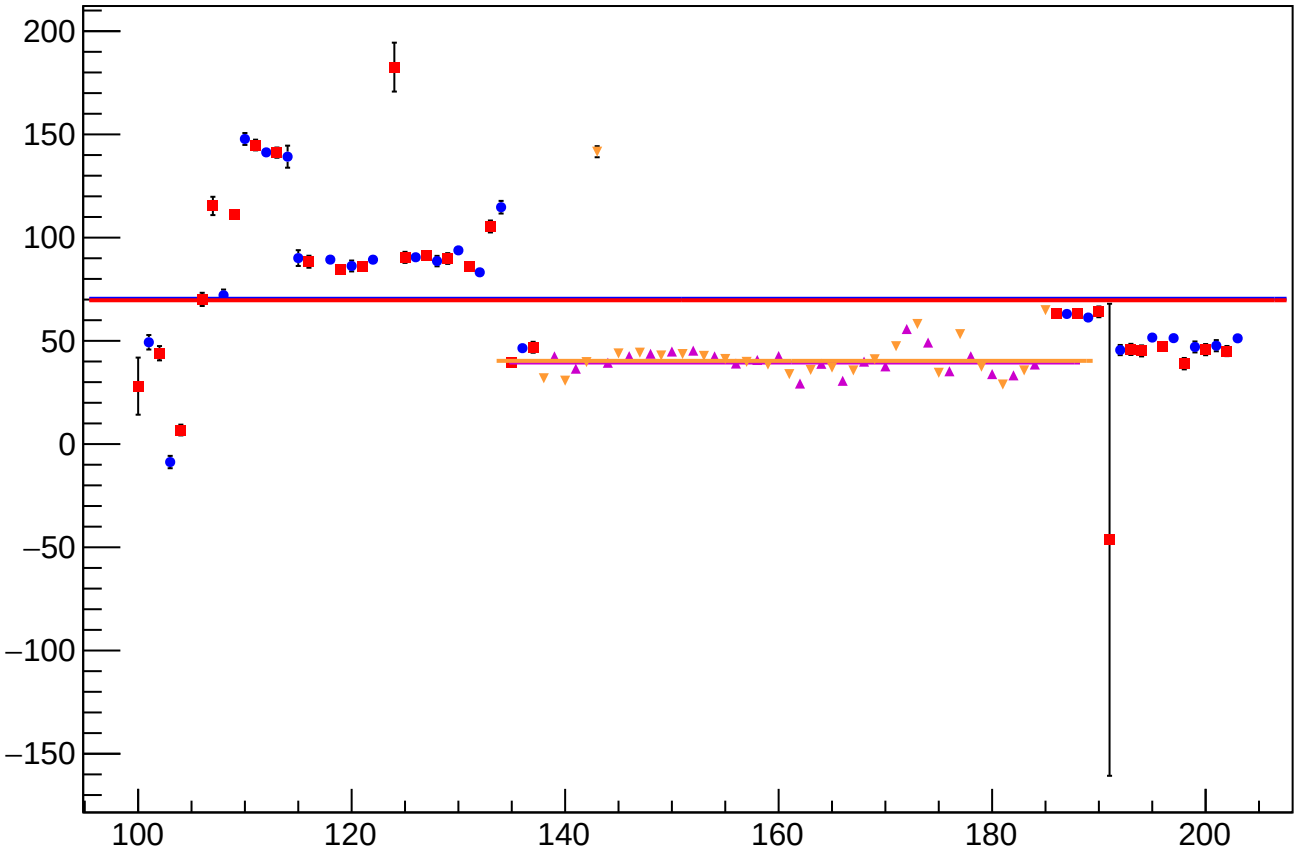
Left: -3.813+/-0.156 χ^2/NDF: 1159.2/47

Right: -1.361+/-0.333 χ^2/NDF: 438.7/52

In: -3.402+/-0.203 χ^2/NDF:715.6/46

Out: -3.342+/-0.197 χ^2/NDF:926.8/53

All: -3.371+/-0.141 χ^2/NDF: 1642.4/100



Right In: 70.380+/-0.466 χ^2/NDF: 4087.0/23

Left Out: 40.315+/-0.280 χ^2/NDF:2182.8/24

Right Out: 69.657+/-0.407 χ^2/NDF: 4406.2/28

Left In: 39.504+/-0.285 χ^2/NDF:432.1/22

Left: 39.916+/-0.200 χ^2/NDF: 2619.0/47

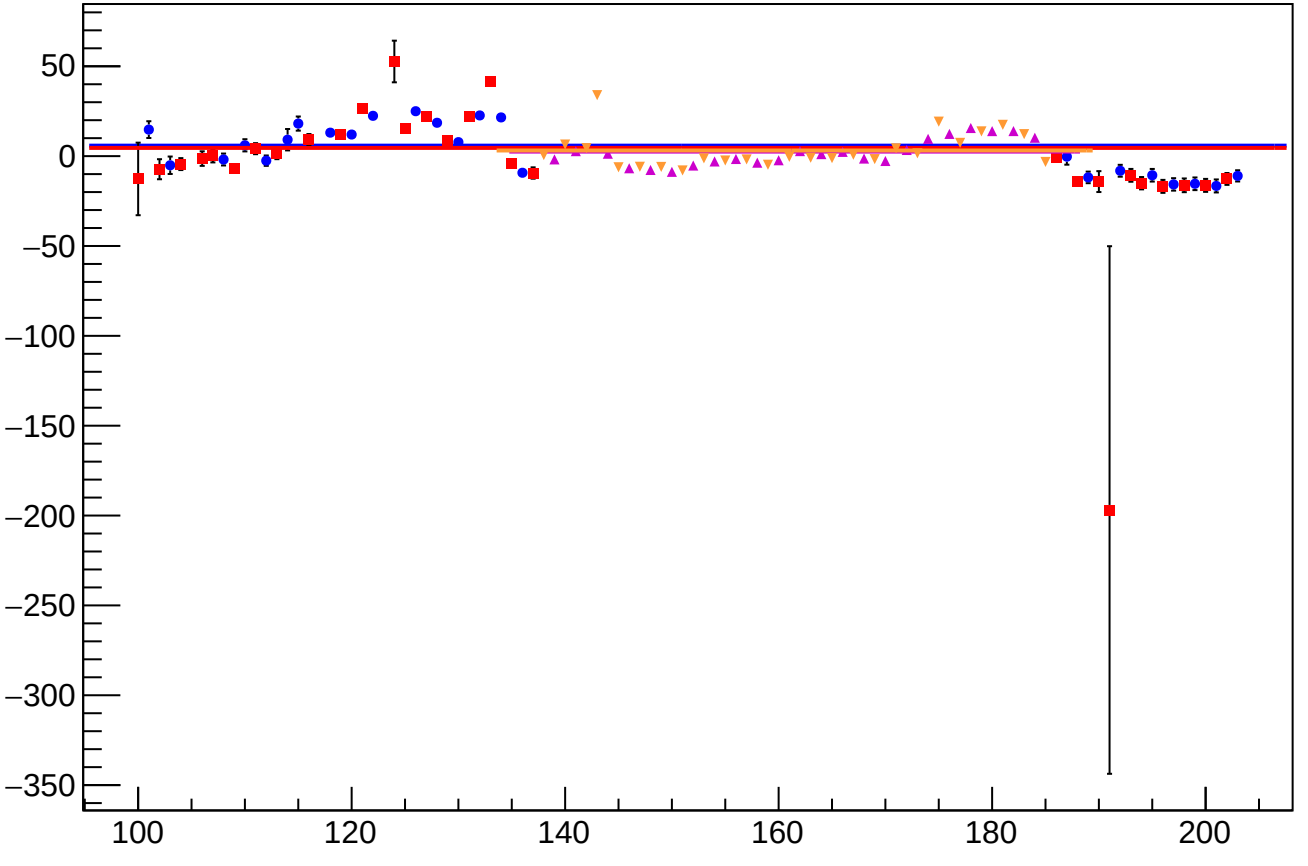
Right: 69.970+/-0.307 χ^2/NDF: 8494.5/52

In: 47.890+/-0.243 χ^2/NDF:7713.0/46

Out: 49.736+/-0.231 χ^2/NDF:10111.1/53

All: 48.860+/-0.167 χ^2/NDF: 17854.5/100

reg_asym_at1_dd_at2_dd_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 5.826+/-0.558 χ^2/NDF: 626.5/23

Left Out: 3.142+/-0.245 χ^2/NDF:1267.0/24

Right Out: 4.581+/-0.547 χ^2/NDF: 821.9/28

Left In: 2.519+/-0.251 χ^2/NDF:968.2/22

Left: 2.837+/-0.175 χ^2/NDF: 2238.3/47

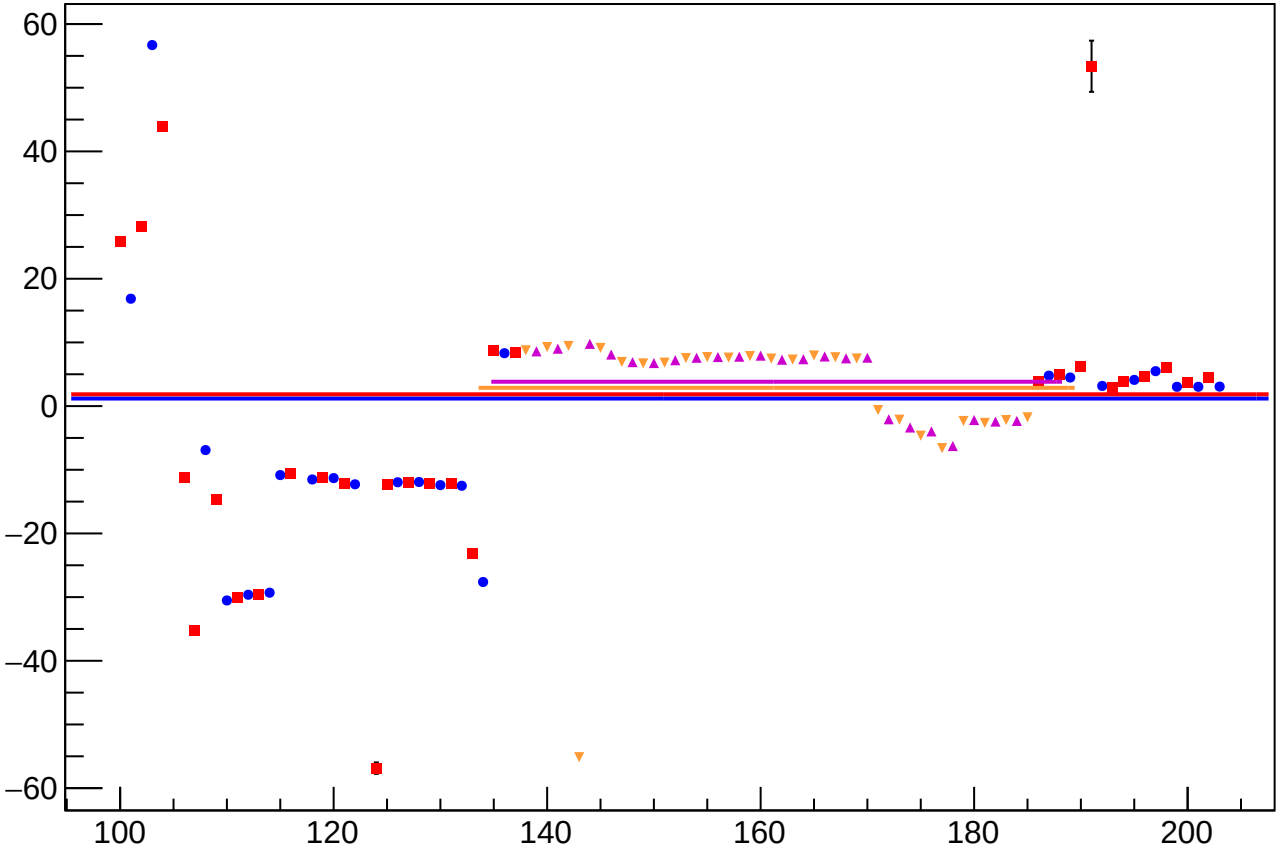
Right: 5.191+/-0.391 χ^2/NDF: 1451.0/52

In: 3.075+/-0.229 χ^2/NDF:1623.9/46

Out: 3.383+/-0.224 χ^2/NDF:2094.7/53

All: 3.233+/-0.160 χ^2/NDF: 3719.5/100

reg_asym_at1_dd_at2_dd_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 1.187+/-0.027 χ^2/NDF: 375137.0/23

Left Out: 2.870+/-0.011 χ^2/NDF:512331.0/24

Right Out: 1.855+/-0.027 χ^2/NDF: 326106.4/28

Left In: 3.825+/-0.011 χ^2/NDF:233224.7/22

Left: 3.343+/-0.008 χ^2/NDF: 749294.8/47

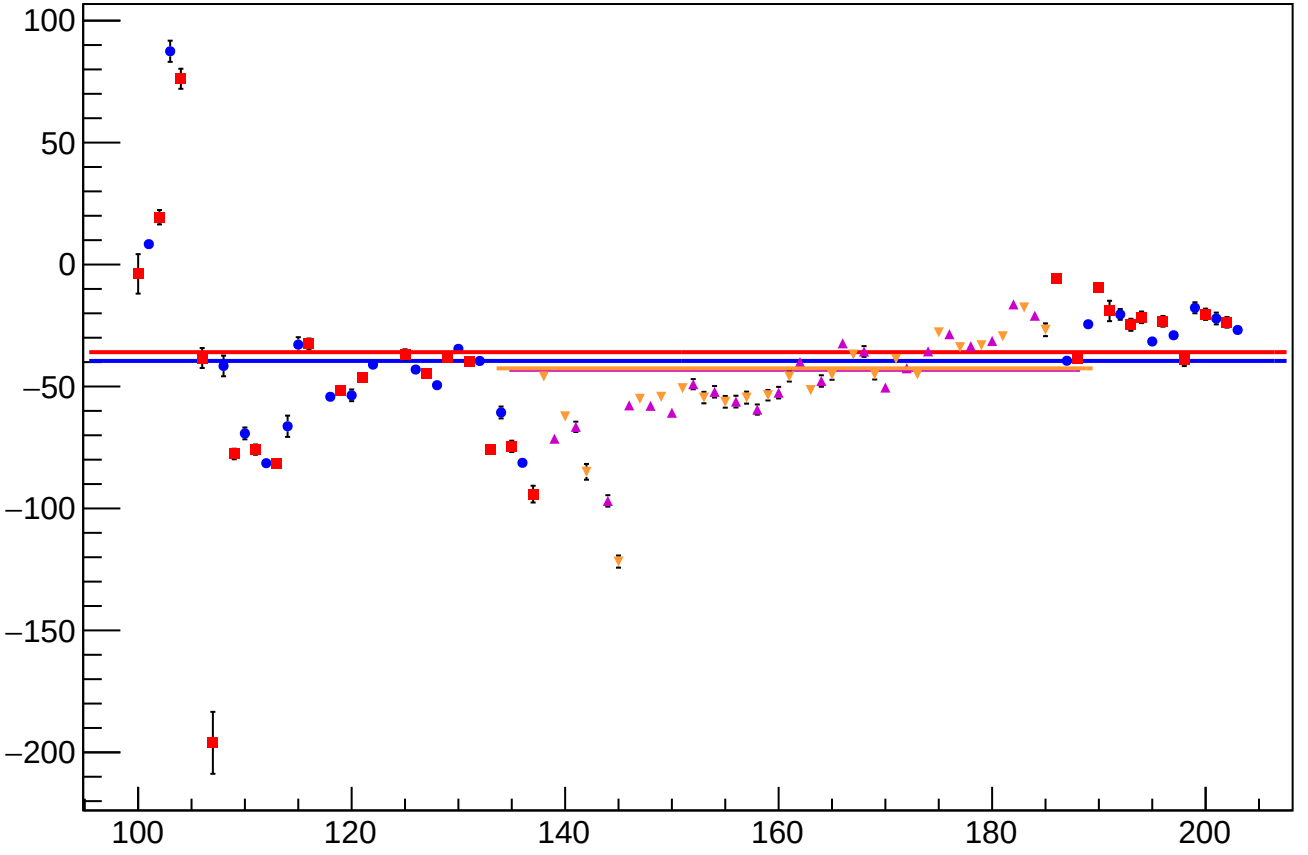
Right: 1.527+/-0.019 χ^2/NDF: 701553.9/52

In: 3.444+/-0.010 χ^2/NDF:616521.5/46

Out: 2.722+/-0.010 χ^2/NDF:839682.8/53

All: 3.079+/-0.007 χ^2/NDF: 1458703.7/100

reg_asym_usl_atl1_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -39.514+/-0.410 χ^2/NDF: 3416.8/23

Left Out: -42.560+/-0.378 χ^2/NDF:2326.4/23

Right Out: -35.920+/-0.363 χ^2/NDF: 5167.9/27

Left In: -43.152+/-0.382 χ^2/NDF:2206.6/22

Left: -42.854+/-0.269 χ^2/NDF: 4534.2/46

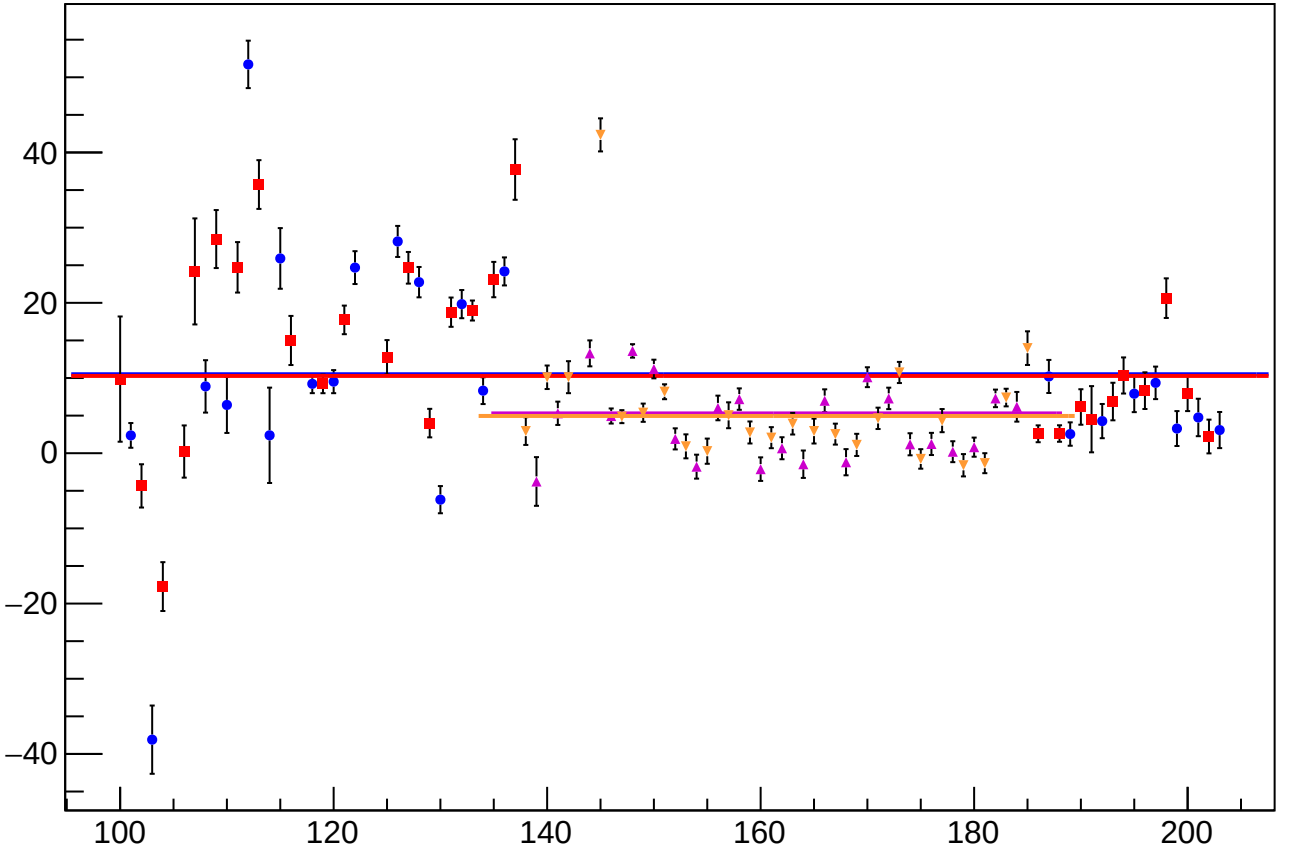
Right: -37.495+/-0.272 χ^2/NDF: 8627.8/51

In: -41.466+/-0.279 χ^2/NDF:5665.6/46

Out: -39.099+/-0.262 χ^2/NDF:7654.9/51

All: -40.205+/-0.191 χ^2/NDF: 13358.7/98

reg_asym_usl_atl1_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 10.499+/-0.429 χ^2/NDF: 705.8/23

Left Out: 4.954+/-0.288 χ^2/NDF:449.1/23

Right Out: 10.279+/-0.400 χ^2/NDF: 562.2/27

Left In: 5.292+/-0.294 χ^2/NDF:286.4/22

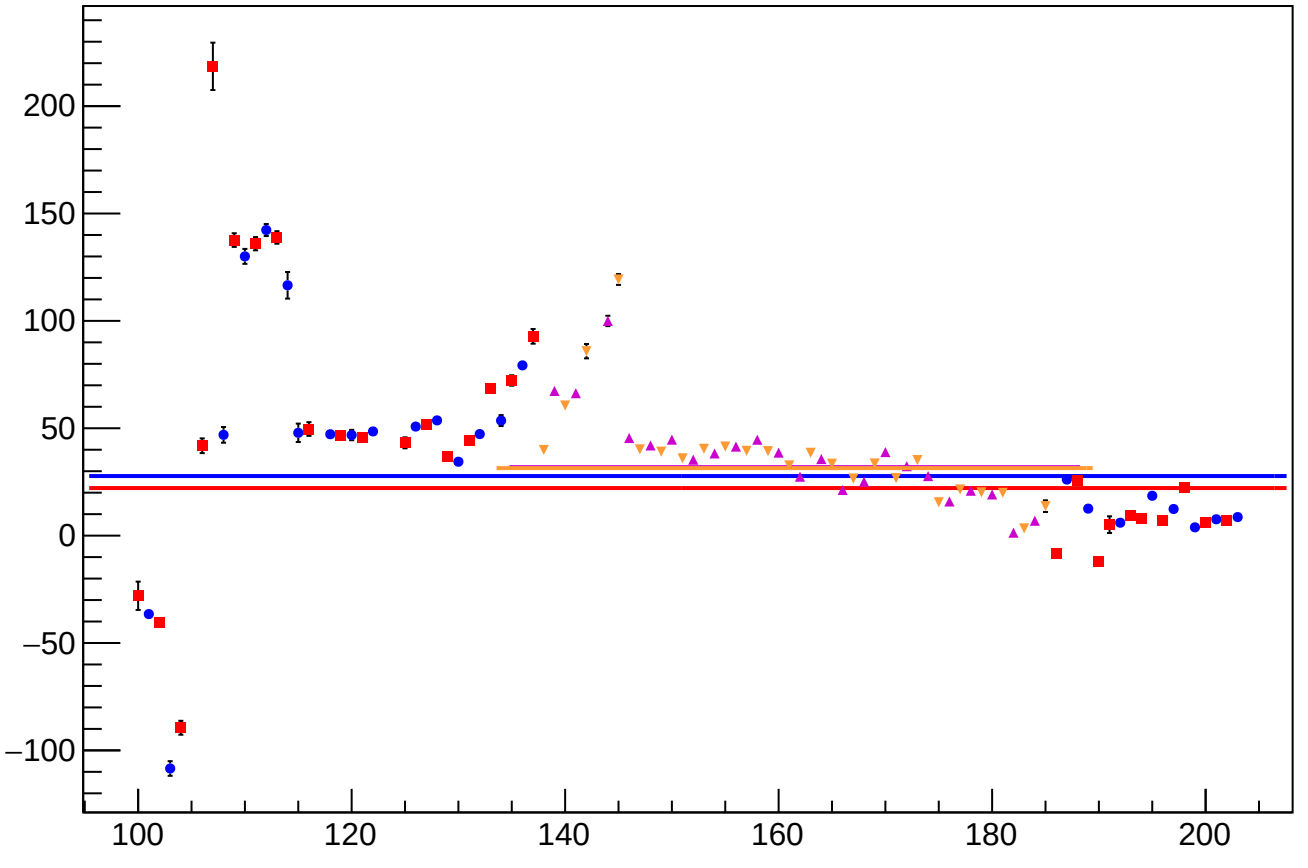
Left: 5.120+/-0.206 χ^2/NDF: 736.1/46

Right: 10.381+/-0.293 χ^2/NDF: 1268.0/51

In: 6.957+/-0.243 χ^2/NDF:1092.3/46

Out: 6.776+/-0.234 χ^2/NDF:1127.8/51

All: 6.864+/-0.168 χ^2/NDF: 2220.4/98



Right In: 27.745+/-0.402 χ^2/NDF: 8556.2/23

Left Out: 31.439+/-0.376 χ^2/NDF:2762.0/23

Right Out: 22.149+/-0.337 χ^2/NDF: 11226.5/27

Left In: 31.895+/-0.378 χ^2/NDF:2767.3/22

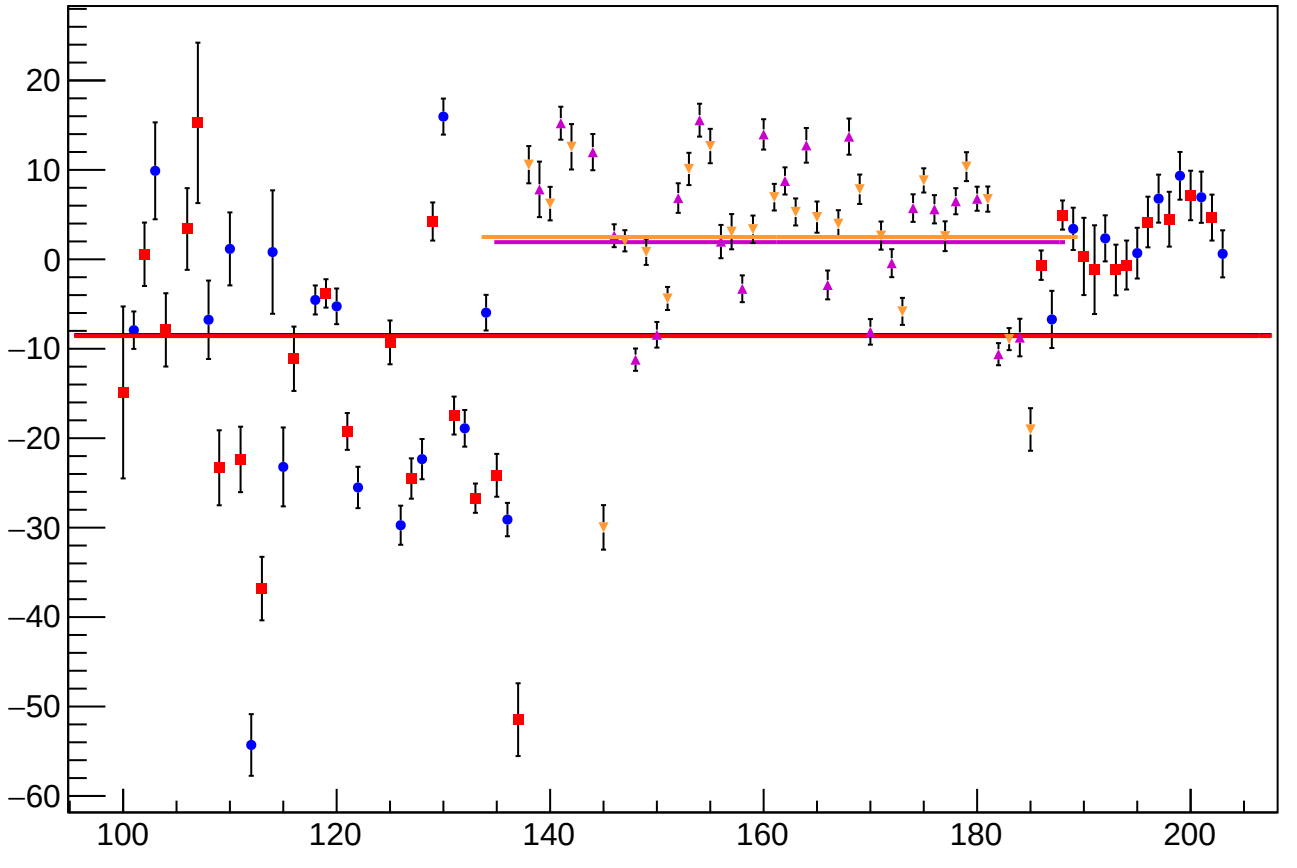
Left: 31.665+/-0.266 χ^2/NDF: 5530.0/46

Right: 24.461+/-0.258 χ^2/NDF: 19896.6/51

In: 29.946+/-0.275 χ^2/NDF:11380.1/46

Out: 26.295+/-0.251 χ^2/NDF:14327.4/51

All: 27.951+/-0.185 χ^2/NDF: 25803.5/98



Right In: -8.462+/-0.508 χ^2/NDF: 870.6/23

Left Out: 2.494+/-0.327 χ^2/NDF:558.7/23

Right Out: -8.583+/-0.490 χ^2/NDF: 738.1/27

Left In: 1.921+/-0.332 χ^2/NDF:678.8/22

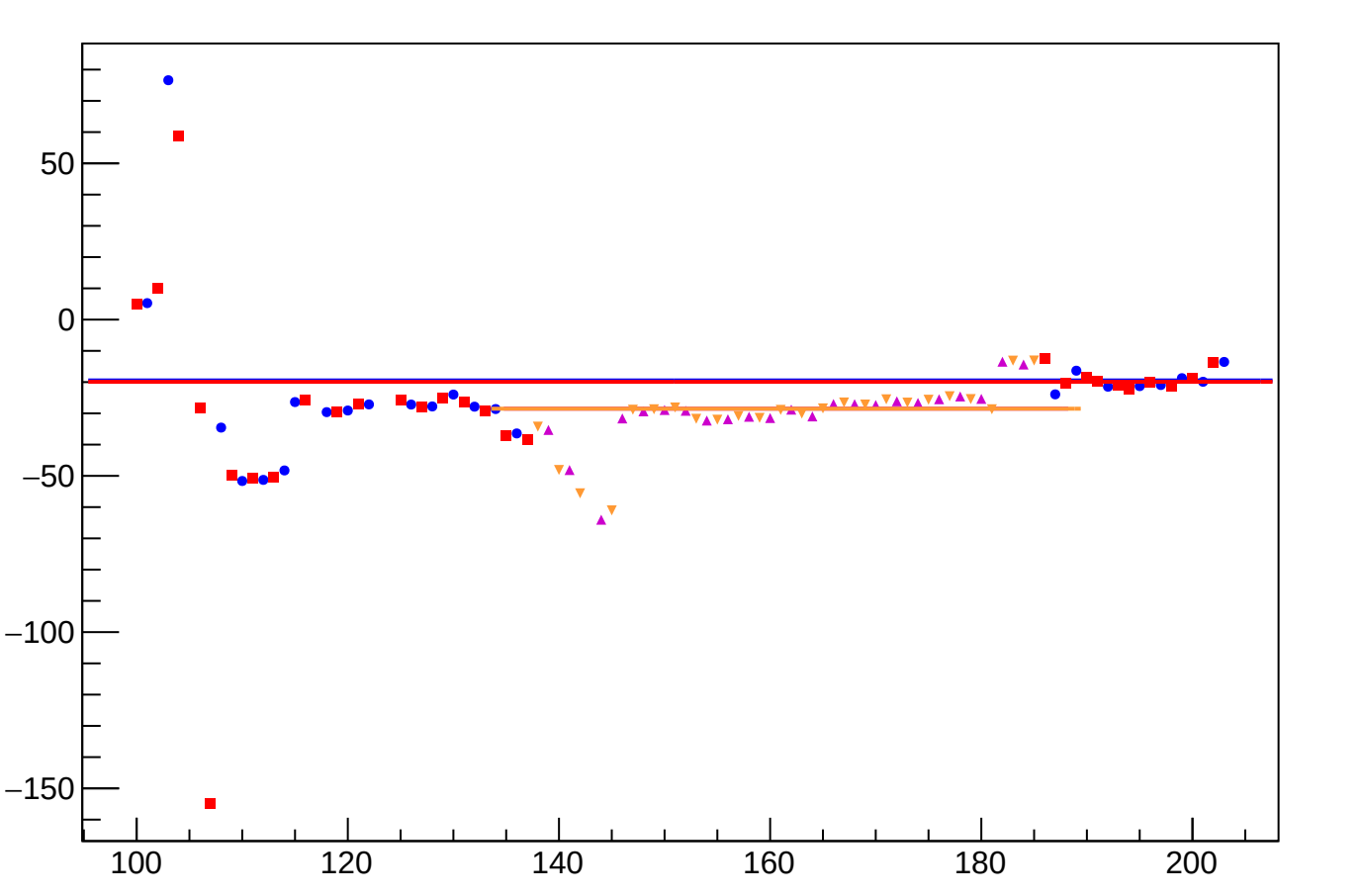
Left: 2.212+/-0.233 χ^2/NDF: 1239.1/46

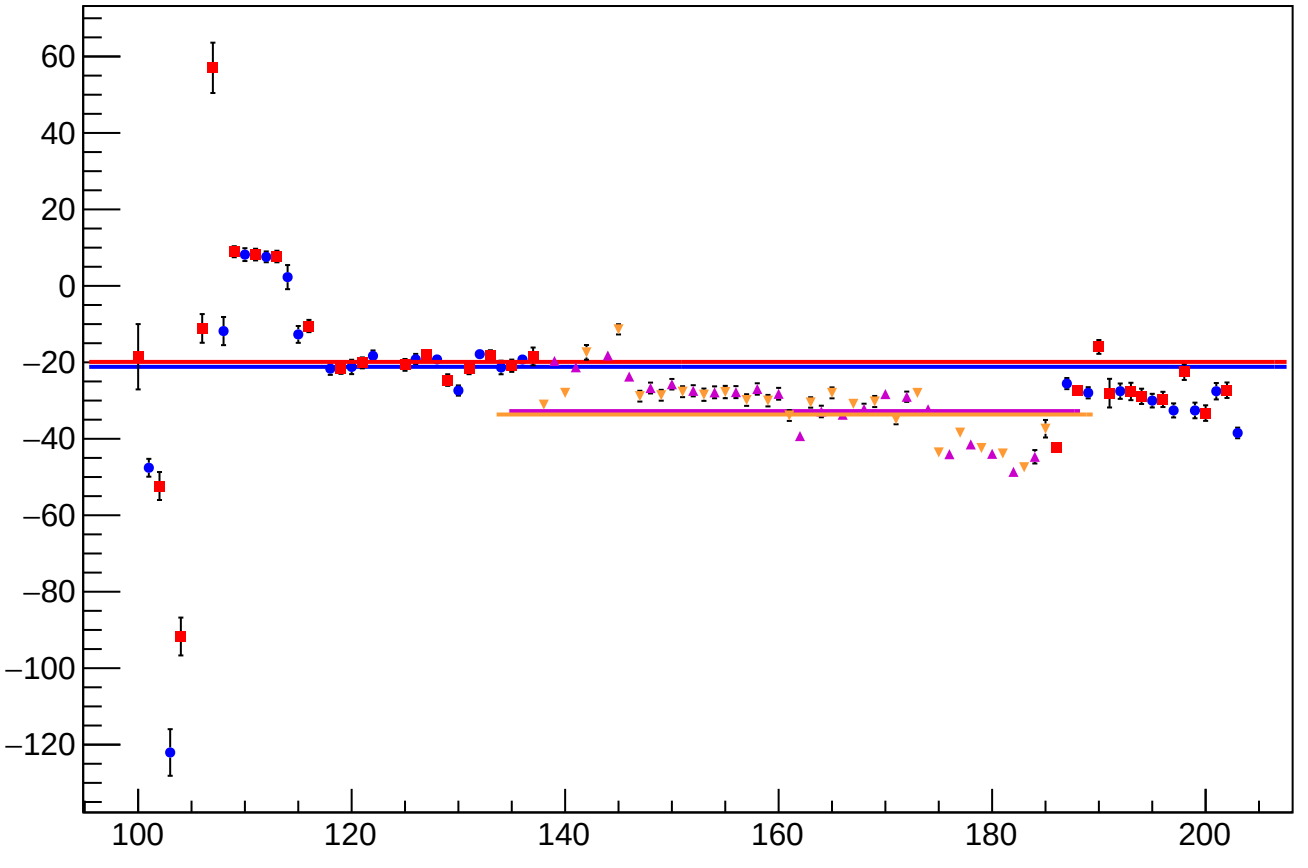
Right: -8.524+/-0.353 χ^2/NDF: 1608.7/51

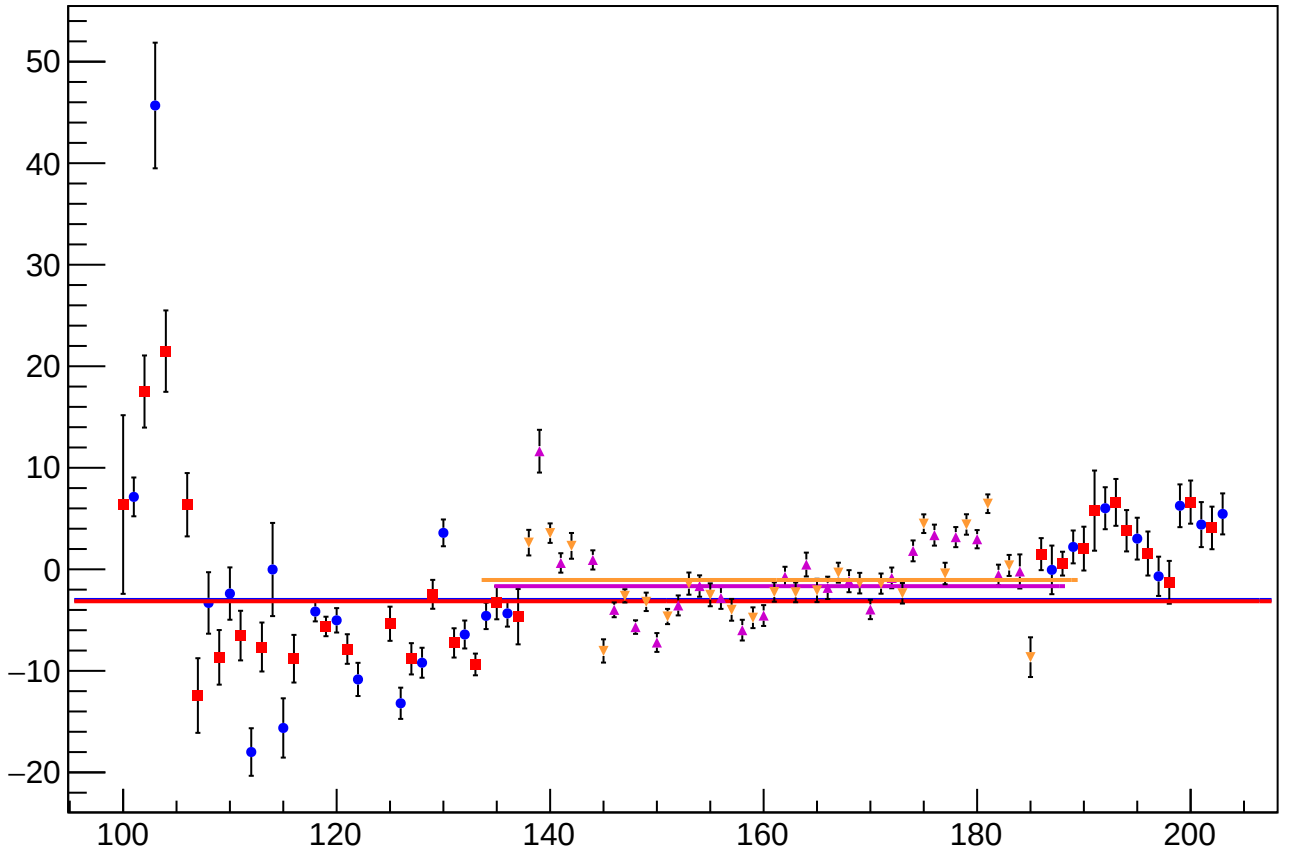
In: -1.188+/-0.278 χ^2/NDF:1842.3/46

Out: -0.911+/-0.272 χ^2/NDF:1650.1/51

All: -1.046+/-0.194 χ^2/NDF: 3492.9/98


reg_asym_usl_atl1_avg_diff_bpm12X_slope vs Slug, Sign Corrected
50
0
−50
−100
−150
100
120
140
160
180
200
Right In: -19.465+/-0.024 χ²/NDF: 653851.1/23
Left Out: -28.513+/-0.015 χ²/NDF:333774.3/23
Right Out: -19.911+/-0.023 χ²/NDF: 561773.4/27
Left In: -28.495+/-0.015 χ²/NDF:287757.4/22
Left: -28.504+/-0.010 χ²/NDF: 621532.4/46
Right: -19.696+/-0.017 χ²/NDF: 1215803.3/51
In: -26.004+/-0.013 χ²/NDF:1044205.5/46
Out: -26.019+/-0.012 χ²/NDF:993977.8/51
All: -26.011+/-0.009 χ²/NDF: 2038184.0/98


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: -21.179+/-0.335 χ²/NDF: 1535.2/23
Left Out: -33.643+/-0.265 χ²/NDF:1015.9/23
Right Out: -19.885+/-0.319 χ²/NDF: 2070.1/27
Left In: -32.750+/-0.269 χ²/NDF:1143.5/22
Left: -33.202+/-0.189 χ²/NDF: 2165.0/46
Right: -20.499+/-0.231 χ²/NDF: 3613.1/51
In: -28.229+/-0.210 χ²/NDF:3404.0/46
Out: -28.020+/-0.204 χ²/NDF:4186.4/51
All: -28.122+/-0.146 χ²/NDF: 7590.9/98



Right In: -3.017+/-0.350 χ^2/NDF: 361.6/23

Left Out: -1.050+/-0.203 χ^2/NDF:289.4/23

Right Out: -3.145+/-0.345 χ^2/NDF: 276.2/27

Left In: -1.659+/-0.207 χ^2/NDF:264.4/22

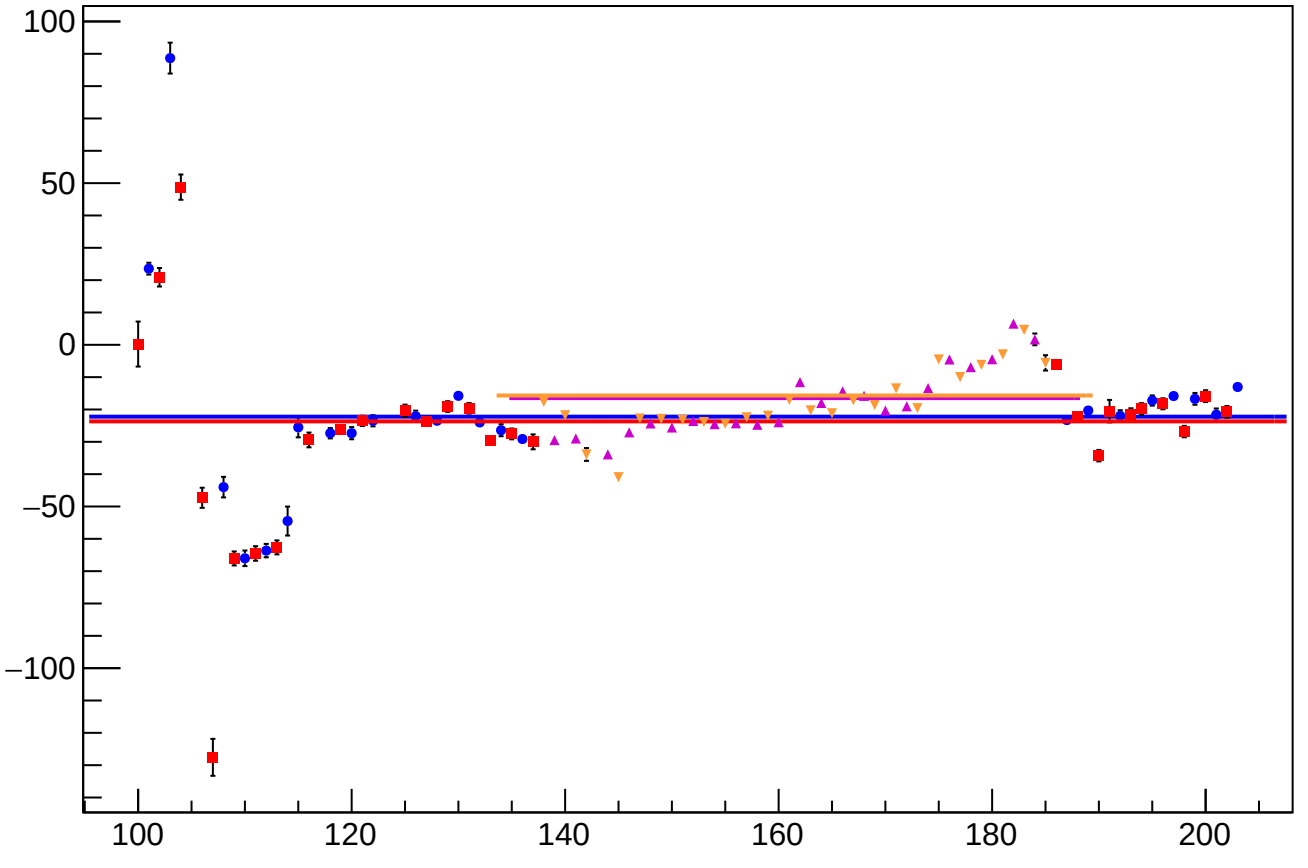
Left: -1.349+/-0.145 χ^2/NDF: 558.2/46

Right: -3.082+/-0.246 χ^2/NDF: 637.9/51

In: -2.010+/-0.178 χ^2/NDF:637.1/46

Out: -1.589+/-0.175 χ^2/NDF:593.0/51

All: -1.796+/-0.125 χ^2/NDF: 1233.0/98



Right In: -22.218+/-0.345 χ^2/NDF: 2162.1/23

Left Out: -15.674+/-0.263 χ^2/NDF:1520.8/23

Right Out: -23.672+/-0.319 χ^2/NDF: 2468.2/27

Left In: -16.480+/-0.266 χ^2/NDF:1697.7/22

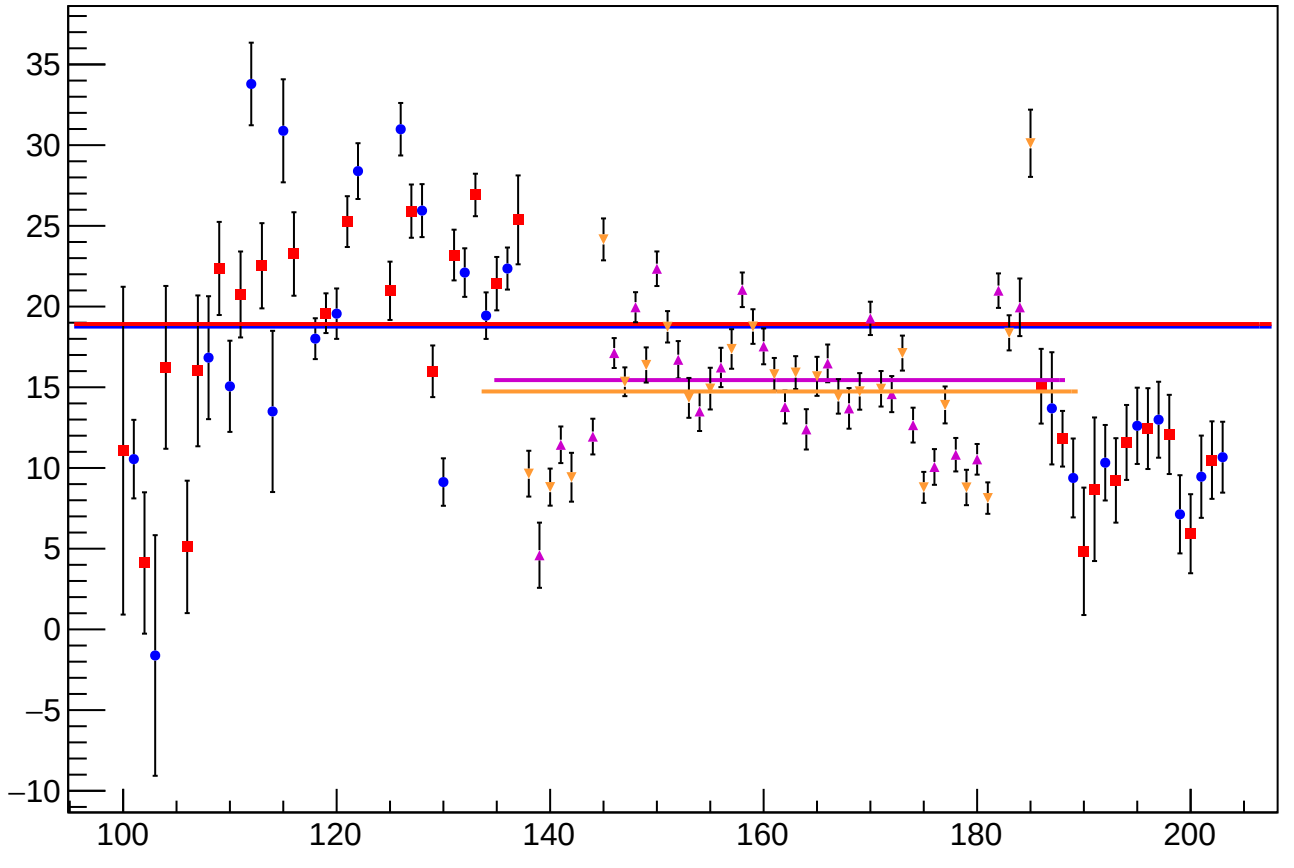
Left: -16.072+/-0.187 χ^2/NDF: 3223.1/46

Right: -23.004+/-0.234 χ^2/NDF: 4639.9/51

In: -18.616+/-0.211 χ^2/NDF:4033.1/46

Out: -18.917+/-0.203 χ^2/NDF:4363.8/51

All: -18.772+/-0.146 χ^2/NDF: 8398.0/98



Right In: 18.760+/-0.405 χ^2/NDF: 326.5/23

Left Out: 14.740+/-0.229 χ^2/NDF:331.0/23

Right Out: 18.918+/-0.408 χ^2/NDF: 238.3/27

Left In: 15.444+/-0.233 χ^2/NDF:290.4/22

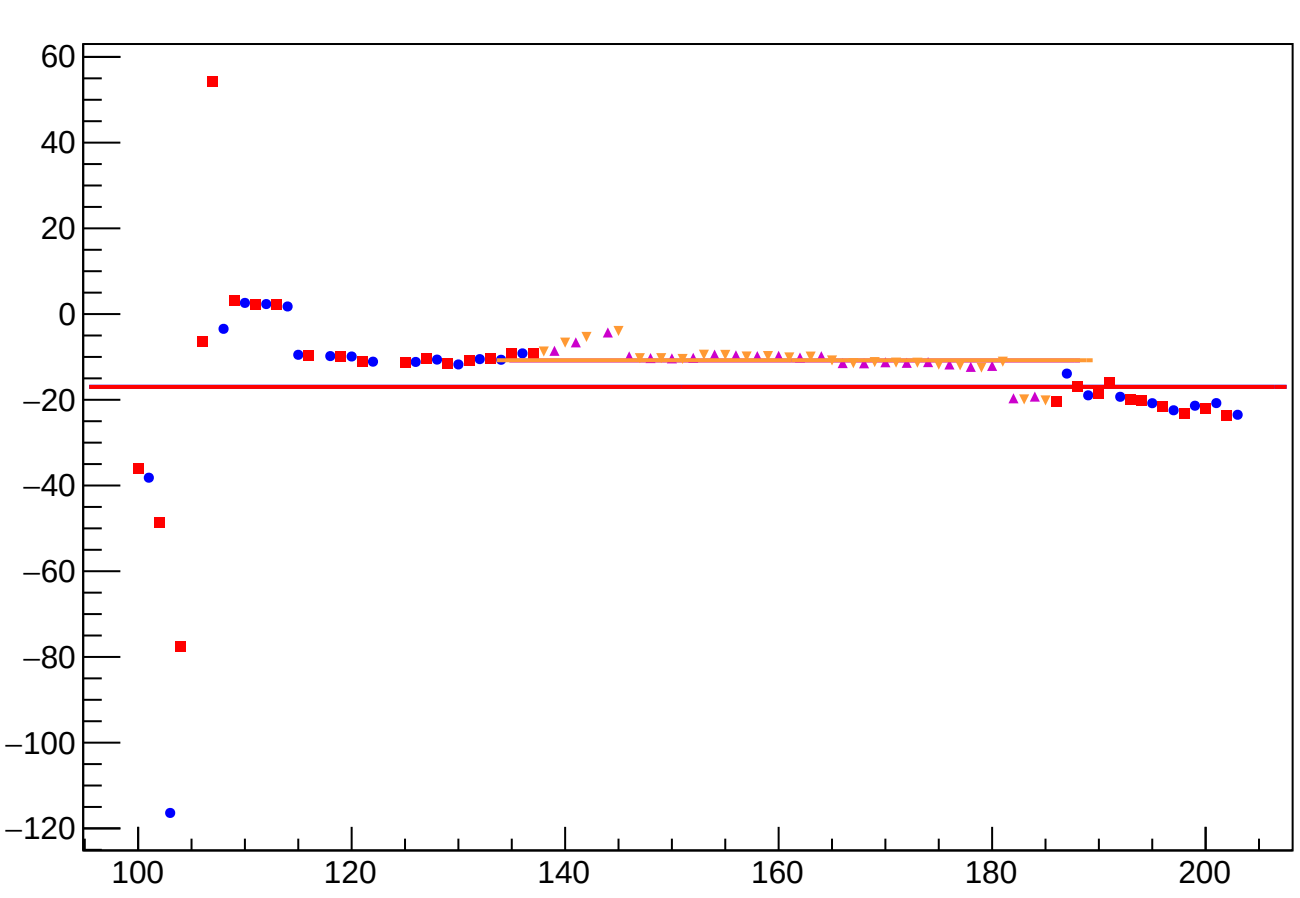
Left: 15.087+/-0.163 χ^2/NDF: 626.0/46

Right: 18.838+/-0.288 χ^2/NDF: 564.8/51

In: 16.268+/-0.202 χ^2/NDF:667.2/46

Out: 15.743+/-0.200 χ^2/NDF:648.9/51

All: 16.003+/-0.142 χ^2/NDF: 1319.5/98



Right In: -16.961+/-0.020 χ^2/NDF: 386026.8/23

Left Out: -10.778+/-0.010 χ^2/NDF:84755.9/23

Right Out: -16.998+/-0.020 χ^2/NDF: 374282.5/27

Left In: -10.834+/-0.010 χ^2/NDF:74113.9/22

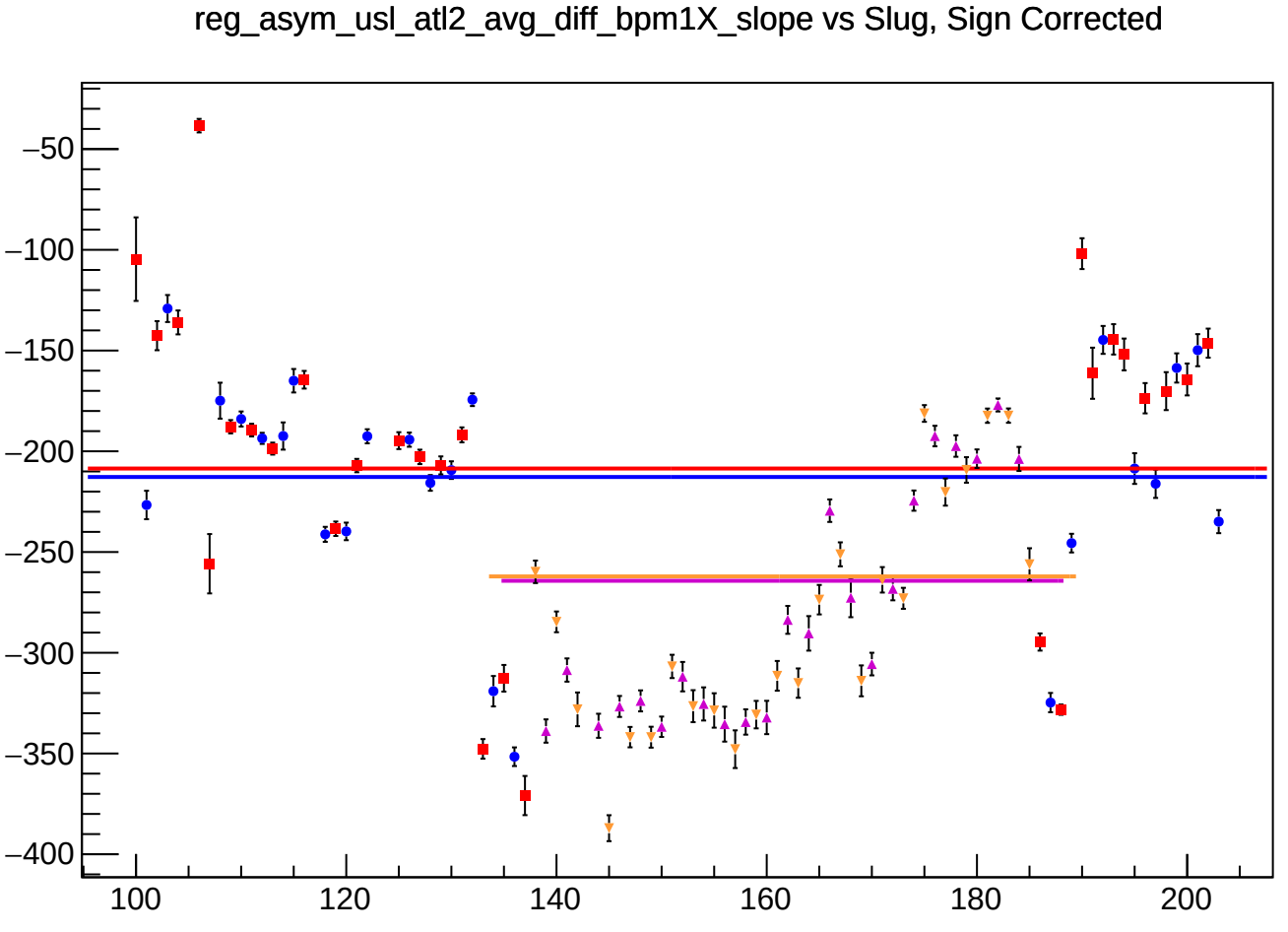
Left: -10.806+/-0.007 χ^2/NDF: 158884.9/46

Right: -16.979+/-0.014 χ^2/NDF: 760311.1/51

In: -12.105+/-0.009 χ^2/NDF:533351.7/46

Out: -12.082+/-0.009 χ^2/NDF:535685.6/51

All: -12.093+/-0.006 χ^2/NDF: 1069040.6/98



Right In: -212.762+/-0.956 χ^2/NDF: 2596.5/23

Left Out: -262.110+/-1.179 χ^2/NDF:2964.6/23

Right Out: -208.557+/-0.867 χ^2/NDF: 7541.6/27

Left In: -264.272+/-1.186 χ^2/NDF:2741.9/22

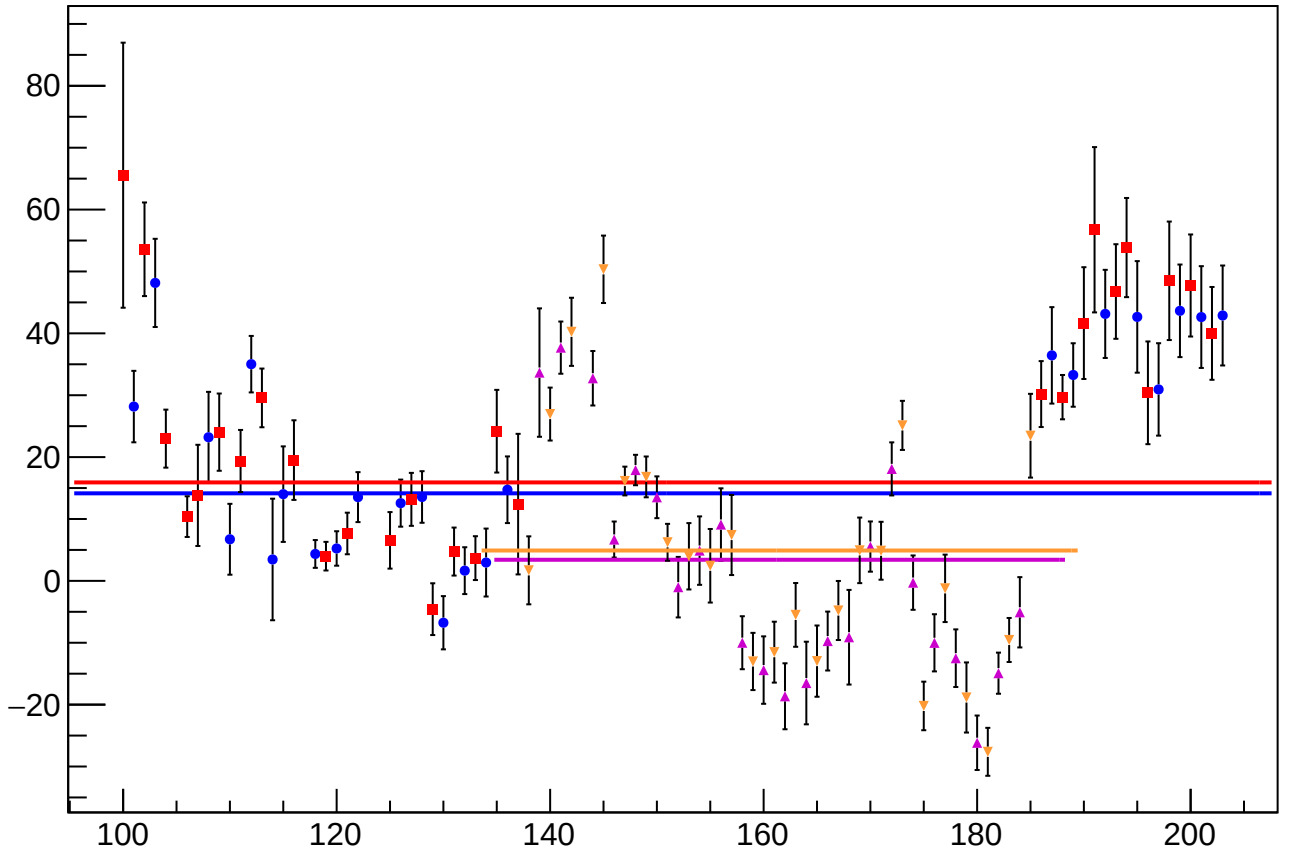
Left: -263.185+/-0.836 χ^2/NDF: 5708.1/46

Right: -210.453+/-0.642 χ^2/NDF: 10148.7/51

In: -233.069+/-0.744 χ^2/NDF:6481.8/46

Out: -227.333+/-0.698 χ^2/NDF:11845.2/51

All: -230.018+/-0.509 χ^2/NDF: 18358.6/98



Right In: 14.146+/-0.984 χ^2/NDF: 216.1/23

Left Out: 4.909+/-0.886 χ^2/NDF:398.9/23

Right Out: 15.909+/-0.937 χ^2/NDF: 247.2/27

Left In: 3.409+/-0.901 χ^2/NDF:333.3/22

Left: 4.171+/-0.632 χ^2/NDF: 733.7/46

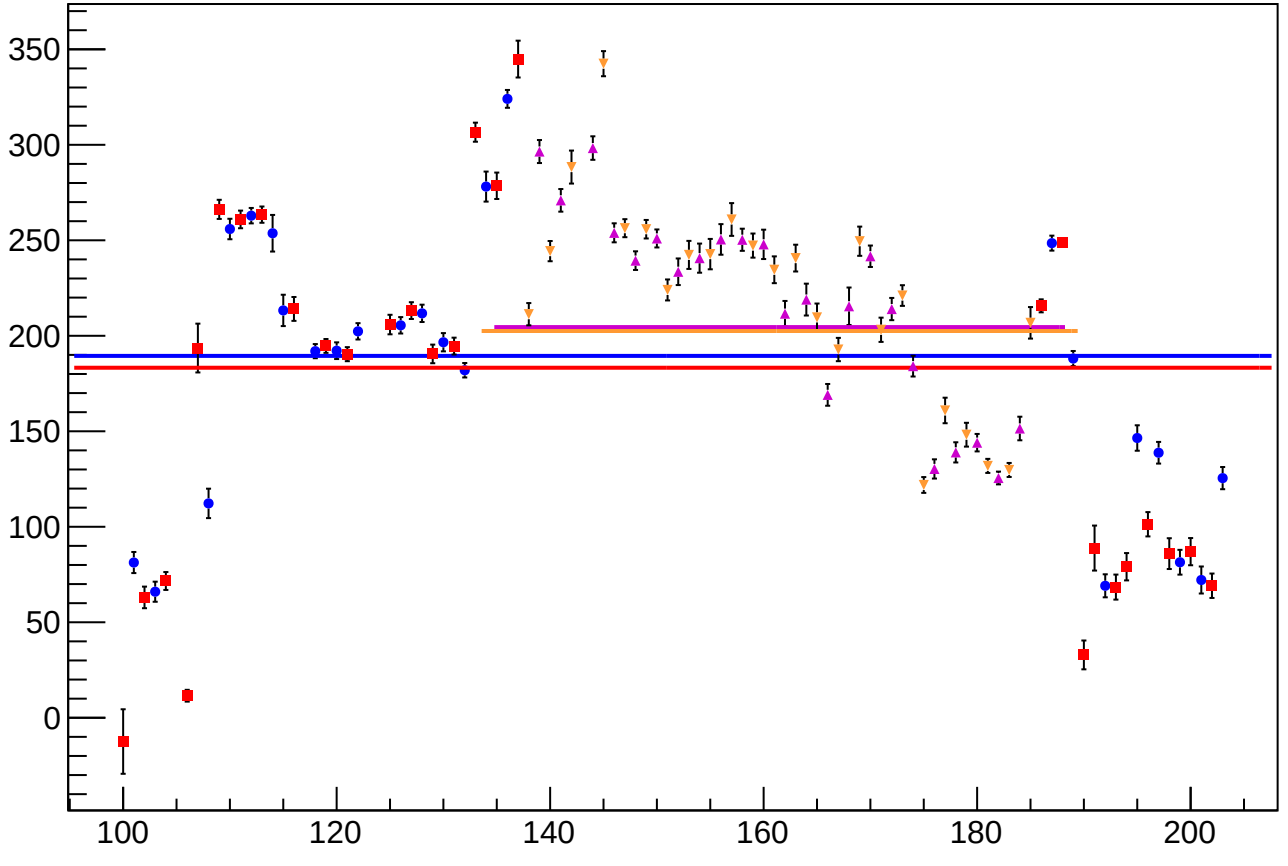
Right: 15.071+/-0.678 χ^2/NDF: 464.9/51

In: 8.306+/-0.664 χ^2/NDF:614.2/46

Out: 10.106+/-0.644 χ^2/NDF:718.9/51

All: 9.234+/-0.462 χ^2/NDF: 1336.9/98

reg_asym_usl_atl2_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 189.477+/-1.026 χ^2/NDF: 4004.7/23

Left Out: 202.511+/-1.173 χ^2/NDF:2393.5/23

Right Out: 183.274+/-0.899 χ^2/NDF: 9244.2/27

Left In: 204.560+/-1.177 χ^2/NDF:2285.7/22

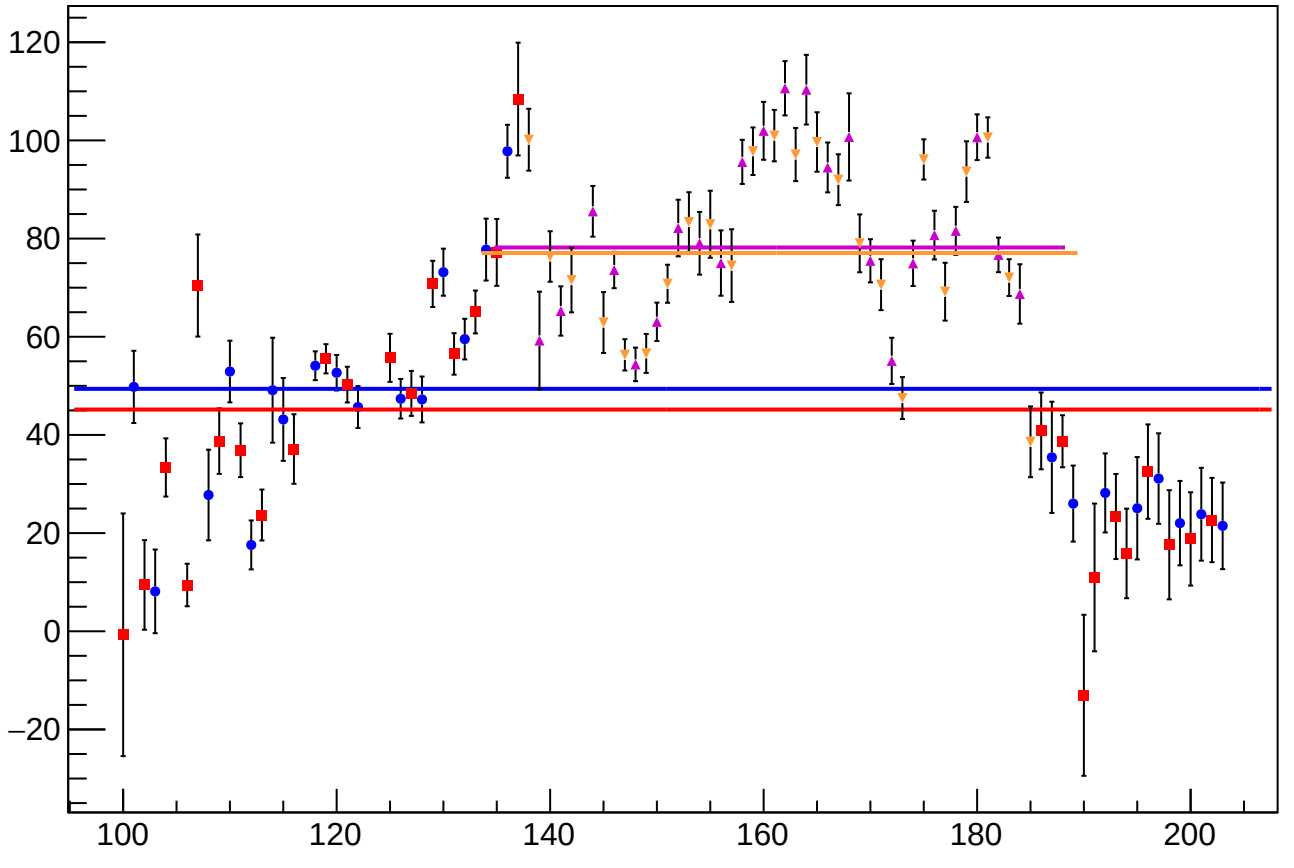
Left: 203.532+/-0.831 χ^2/NDF: 4680.7/46

Right: 185.966+/-0.676 χ^2/NDF: 13269.6/51

In: 195.991+/-0.774 χ^2/NDF:6383.6/46

Out: 190.390+/-0.713 χ^2/NDF:11807.2/51

All: 192.964+/-0.524 χ^2/NDF: 18219.2/98



Right In: 49.387+/-1.157 χ^2/NDF: 260.7/23

Left Out: 77.061+/-1.015 χ^2/NDF:311.3/23

Right Out: 45.168+/-1.113 χ^2/NDF: 306.2/27

Left In: 78.189+/-1.026 χ^2/NDF:232.5/22

Left: 77.619+/-0.721 χ^2/NDF: 544.4/46

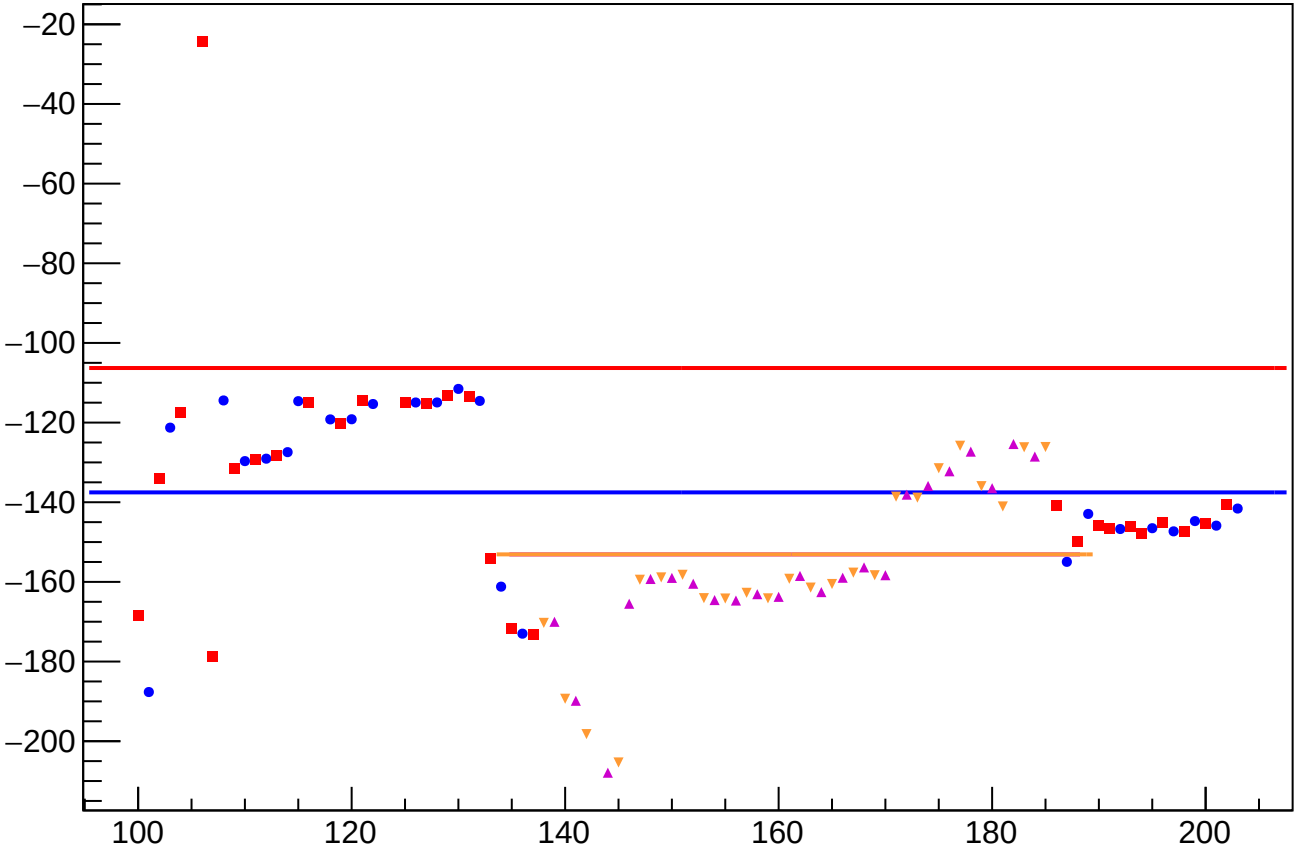
Right: 47.196+/-0.802 χ^2/NDF: 573.7/51

In: 65.515+/-0.767 χ^2/NDF:840.2/46

Out: 62.578+/-0.750 χ^2/NDF:1065.6/51

All: 64.013+/-0.536 χ^2/NDF: 1913.4/98

reg_asym_usl_atl2_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -137.527+/-0.065 χ^2/NDF: 102968.6/23

Left Out: -153.090+/-0.047 χ^2/NDF:177552.0/23

Right Out: -106.298+/-0.054 χ^2/NDF: 967269.4/27

Left In: -153.103+/-0.047 χ^2/NDF:166644.2/22

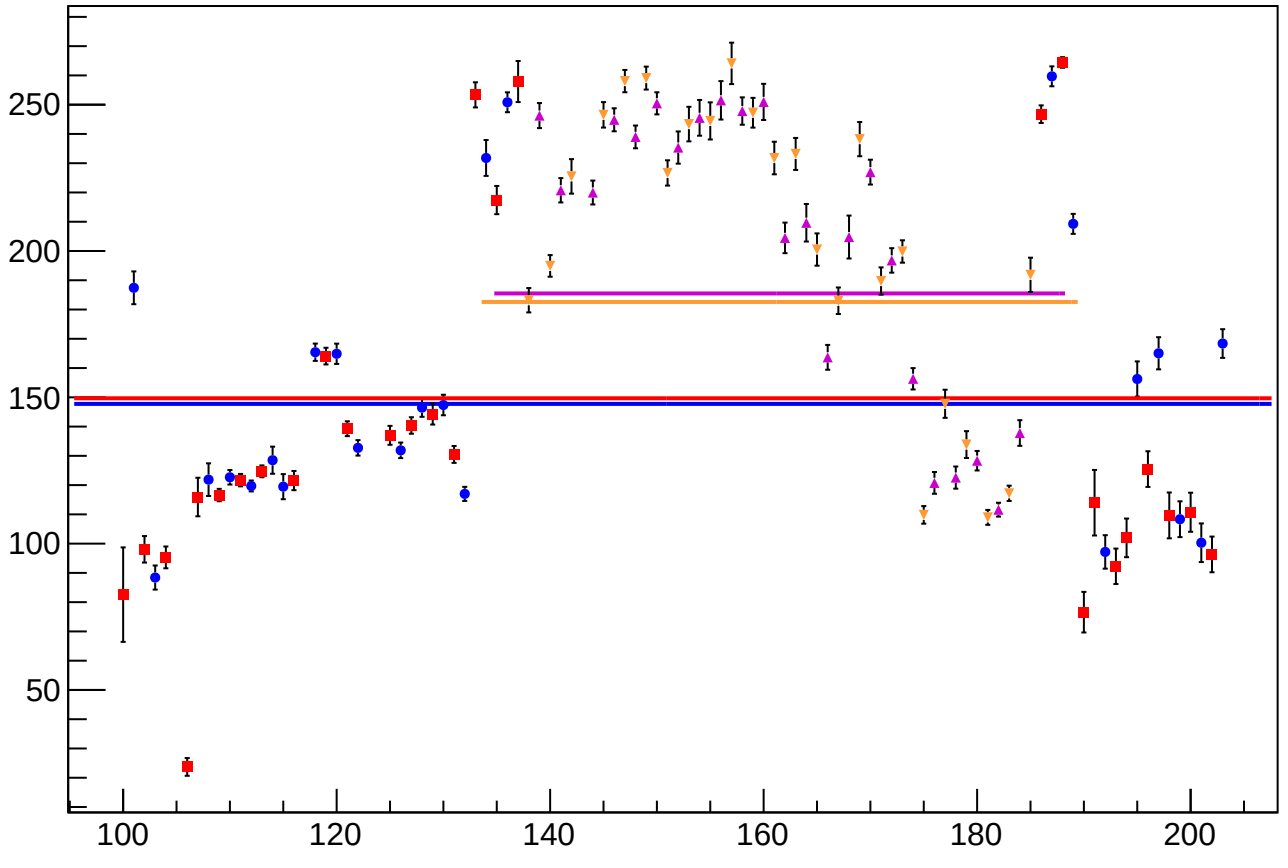
Left: -153.097+/-0.033 χ^2/NDF: 344196.2/46

Right: -118.994+/-0.041 χ^2/NDF: 1208640.1/51

In: -147.774+/-0.038 χ^2/NDF:307782.3/46

Out: -132.757+/-0.035 χ^2/NDF:1577020.2/51

All: -139.744+/-0.026 χ^2/NDF: 1969084.6/98



Right In: 147.753+/-0.711 χ^2/NDF: 3673.2/23

Left Out: 182.591+/-0.866 χ^2/NDF:4152.3/23

Right Out: 149.668+/-0.640 χ^2/NDF: 9369.1/27

Left In: 185.497+/-0.872 χ^2/NDF:3822.2/22

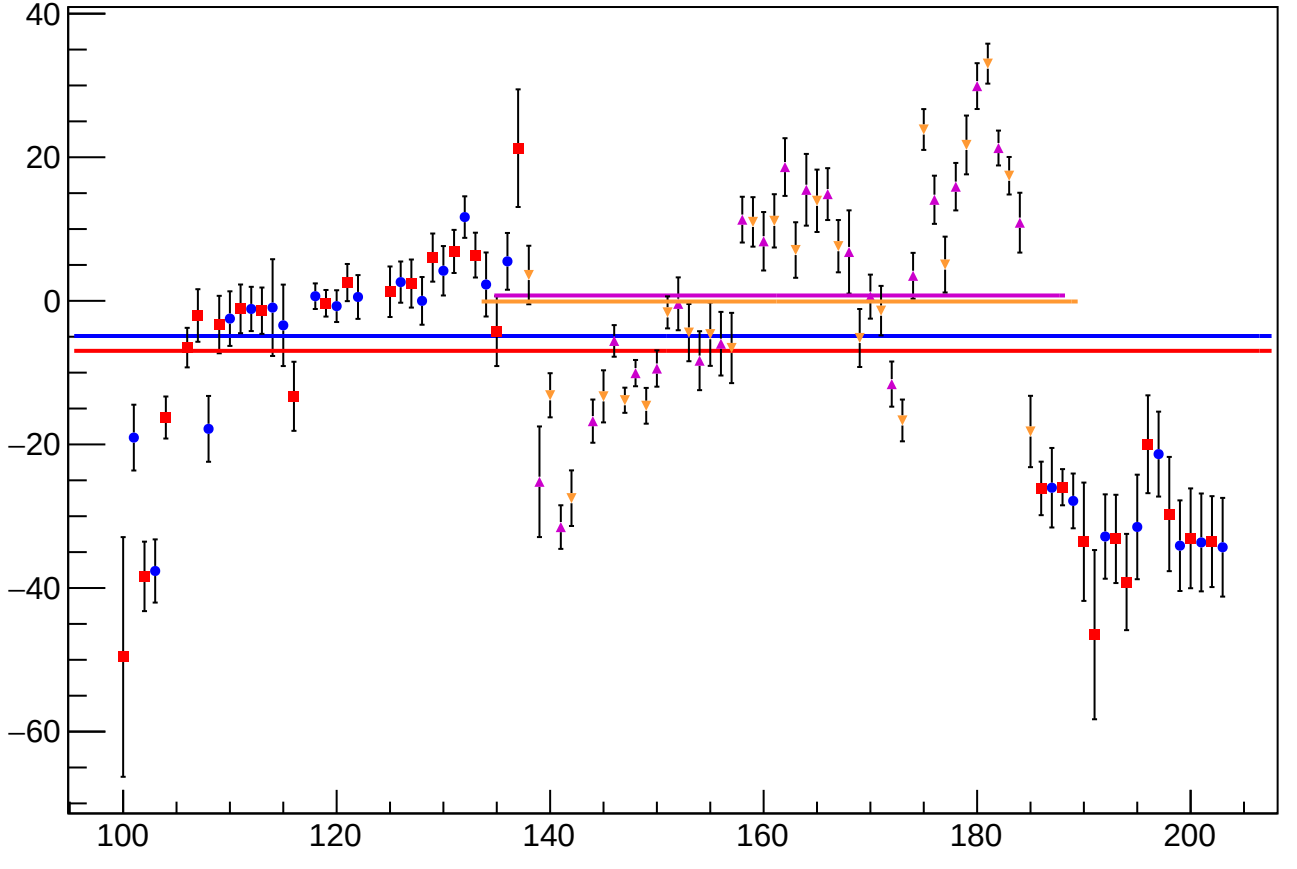
Left: 184.033+/-0.615 χ^2/NDF: 7980.1/46

Right: 148.811+/-0.476 χ^2/NDF: 13046.2/51

In: 162.812+/-0.551 χ^2/NDF:8620.4/46

Out: 161.297+/-0.515 χ^2/NDF:14456.4/51

All: 162.003+/-0.376 χ^2/NDF: 23080.8/98



Right In: -4.897+/-0.750 χ^2/NDF: 301.8/23

Left Out: -0.092+/-0.655 χ^2/NDF:555.3/23

Right Out: -6.965+/-0.705 χ^2/NDF: 365.2/27

Left In: 0.747+/-0.665 χ^2/NDF:497.8/22

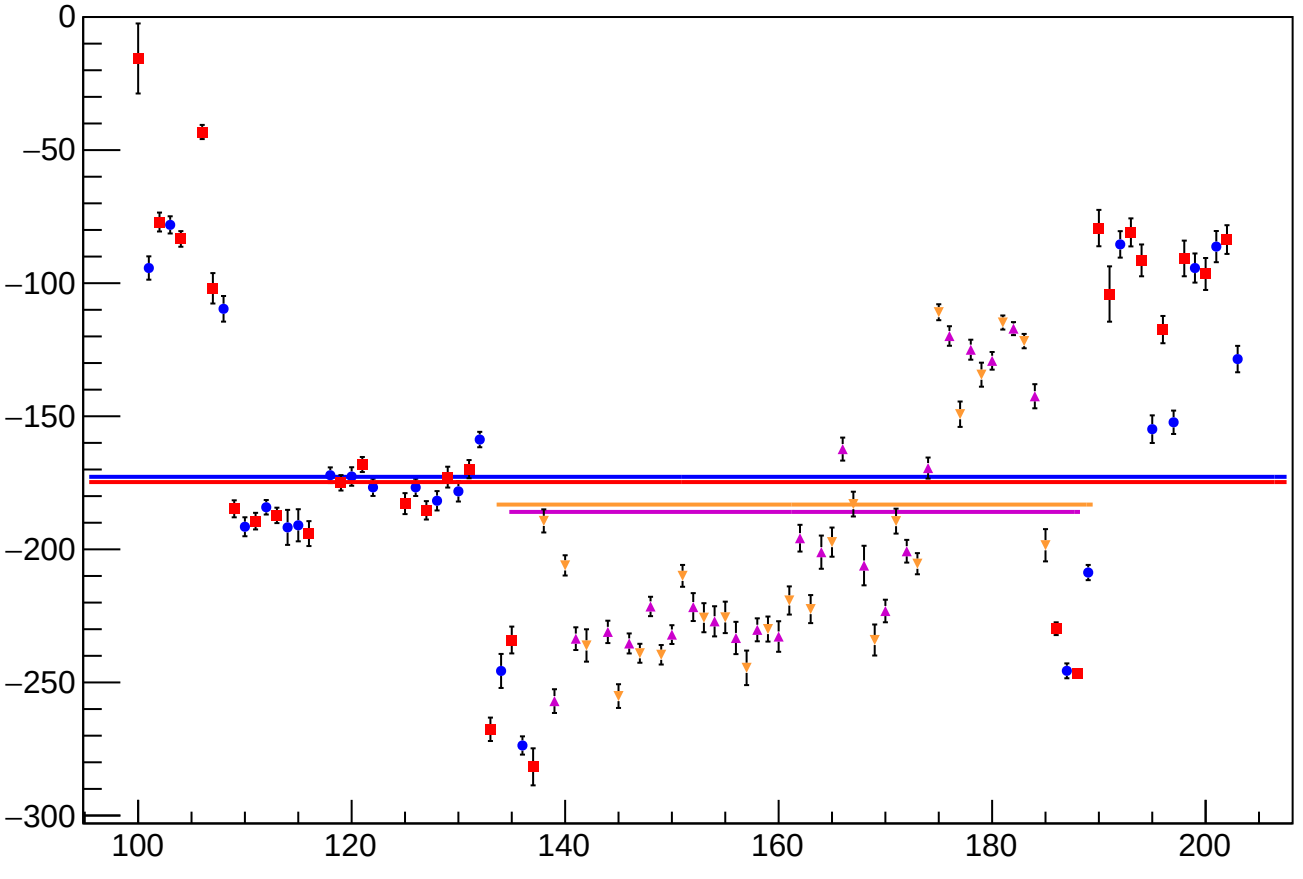
Left: 0.320+/-0.467 χ^2/NDF: 1053.9/46

Right: -5.995+/-0.514 χ^2/NDF: 671.0/51

In: -1.737+/-0.498 χ^2/NDF:831.2/46

Out: -3.274+/-0.480 χ^2/NDF:971.5/51

All: -2.534+/-0.345 χ^2/NDF: 1807.7/98



Right In: -172.753+/-0.767 χ^2/NDF: 4126.0/23

Left Out: -183.175+/-0.862 χ^2/NDF:3361.2/23

Right Out: -174.722+/-0.666 χ^2/NDF: 9827.4/27

Left In: -185.936+/-0.867 χ^2/NDF:3181.6/22

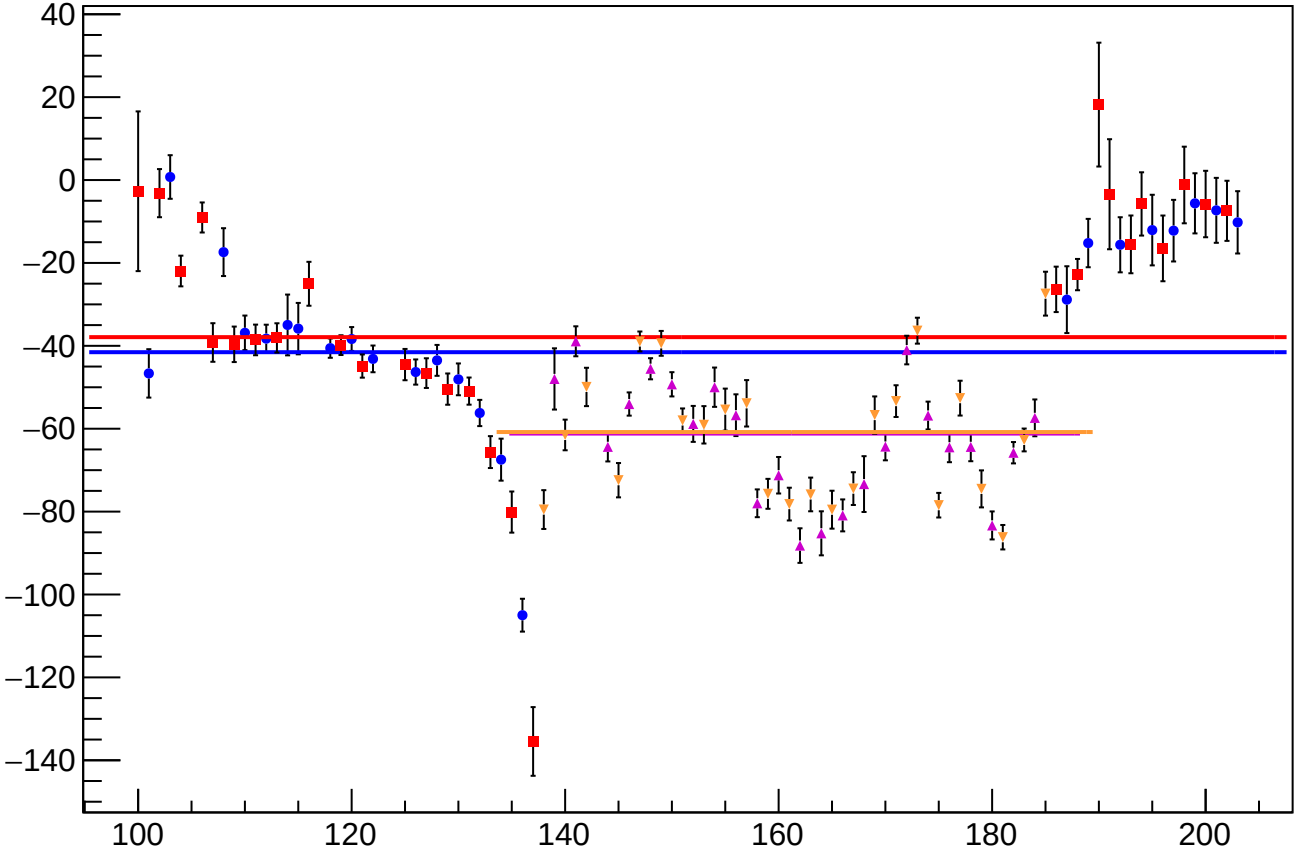
Left: -184.548+/-0.611 χ^2/NDF: 6547.8/46

Right: -173.876+/-0.503 χ^2/NDF: 13957.2/51

In: -178.543+/-0.575 χ^2/NDF:7437.2/46

Out: -177.879+/-0.527 χ^2/NDF:13248.8/51

All: -178.182+/-0.388 χ^2/NDF: 20686.7/98



Right In: -41.536+/-0.881 χ^2/NDF: 524.7/23

Left Out: -60.801+/-0.749 χ^2/NDF:474.0/23

Right Out: -37.904+/-0.838 χ^2/NDF: 559.0/27

Left In: -61.172+/-0.757 χ^2/NDF:316.9/22

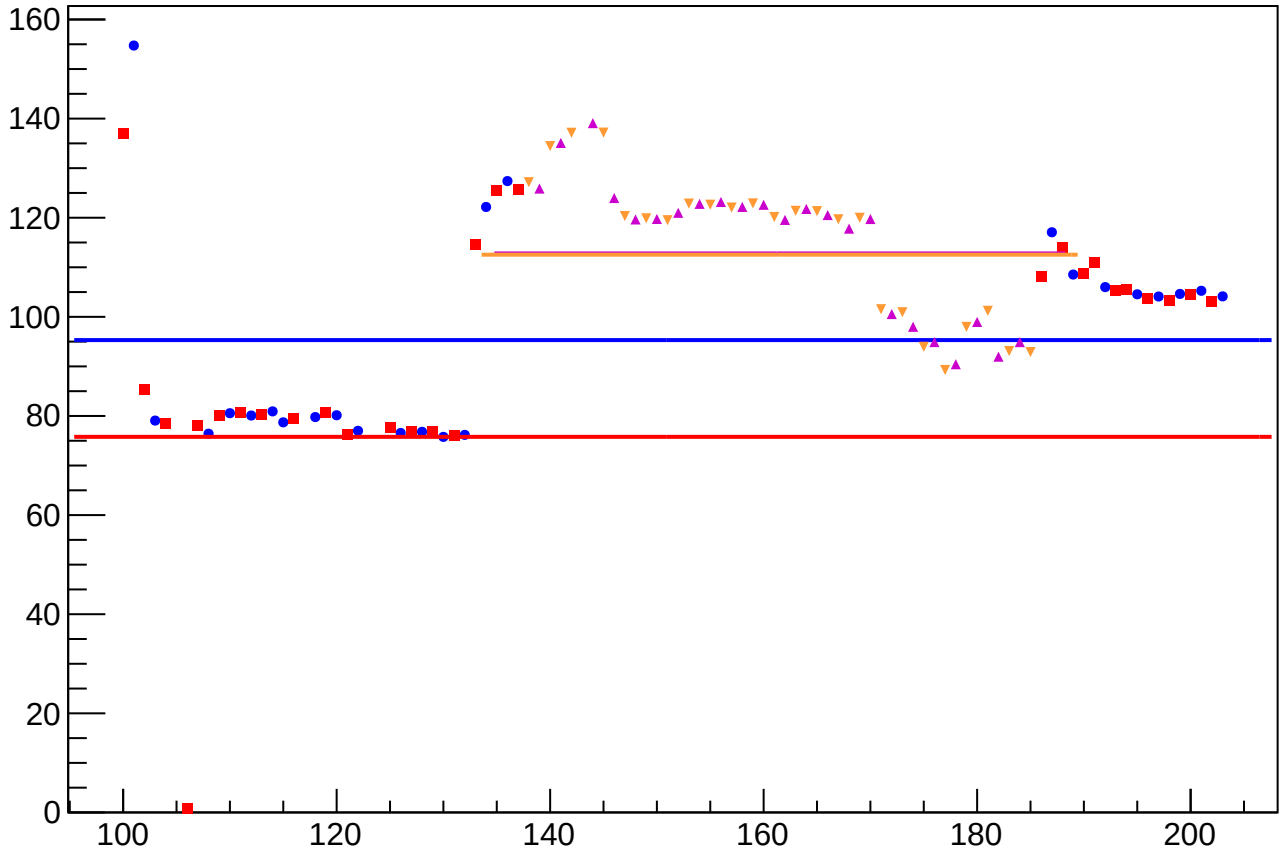
Left: -60.984+/-0.532 χ^2/NDF: 791.1/46

Right: -39.631+/-0.607 χ^2/NDF: 1092.6/51

In: -52.829+/-0.574 χ^2/NDF:1127.6/46

Out: -50.638+/-0.559 χ^2/NDF:1447.9/51

All: -51.704+/-0.400 χ^2/NDF: 2583.0/98



Right In: 95.310+/-0.049 χ^2/NDF: 182174.5/23

Left Out: 112.539+/-0.035 χ^2/NDF:174512.4/23

Right Out: 75.789+/-0.042 χ^2/NDF: 867956.2/27

Left In: 112.795+/-0.034 χ^2/NDF:171662.8/22

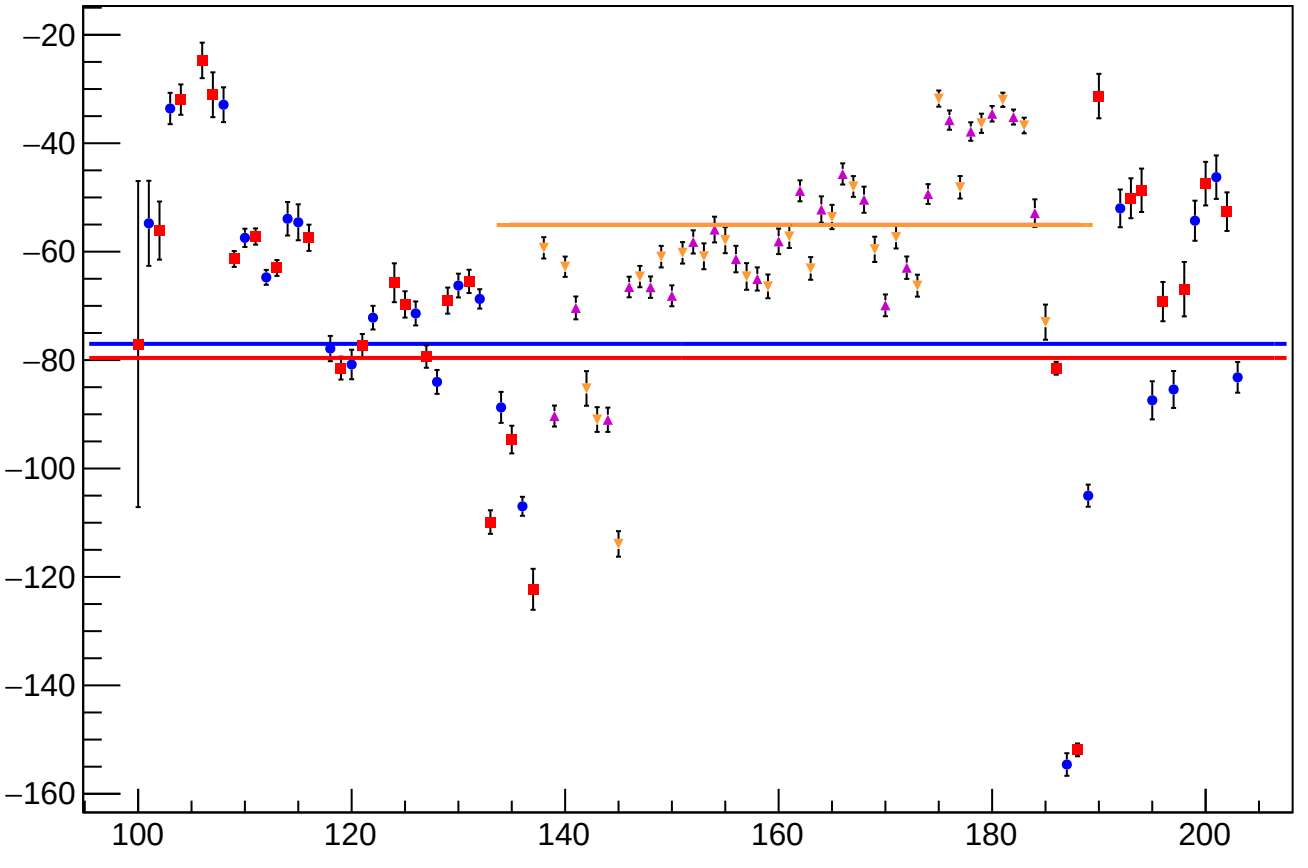
Left: 112.667+/-0.024 χ^2/NDF: 346202.6/46

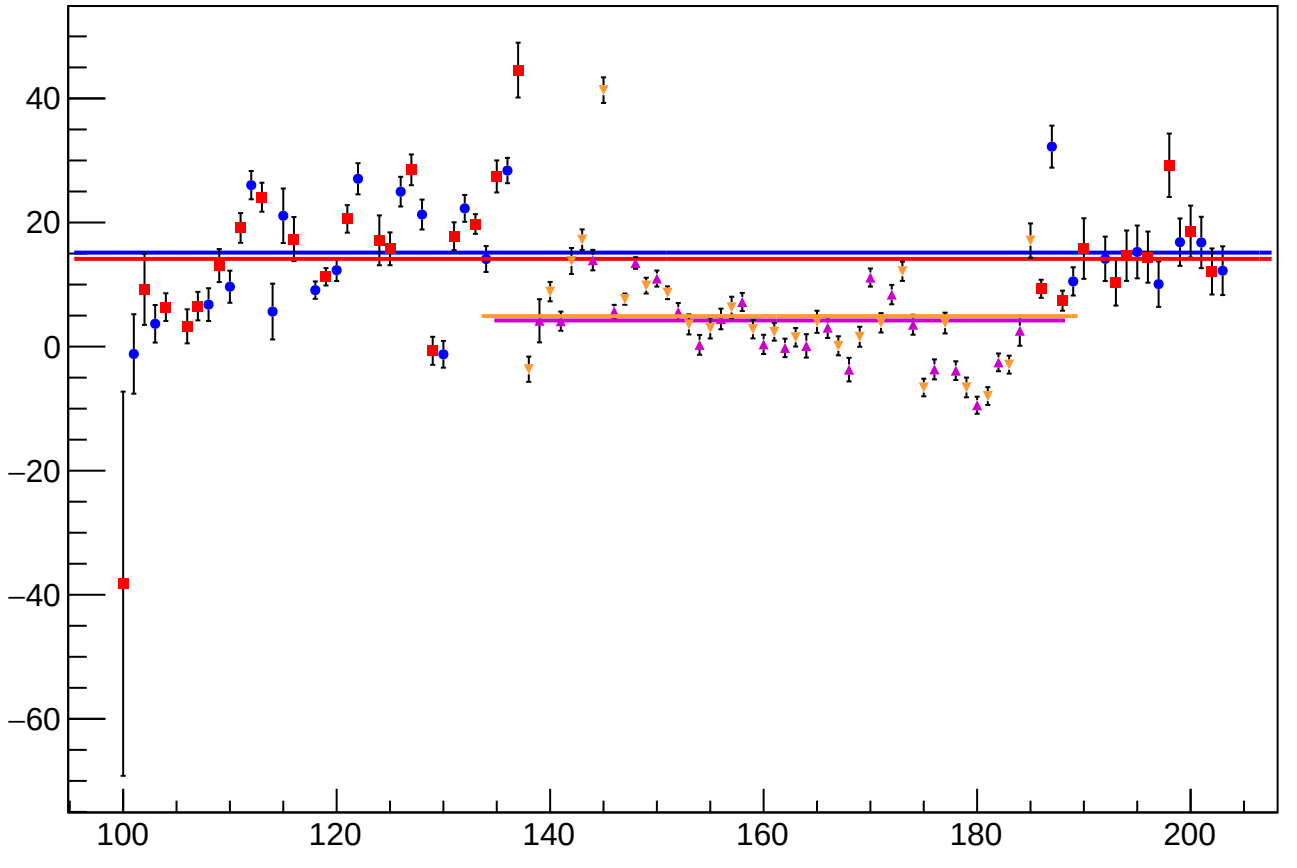
Right: 84.089+/-0.032 χ^2/NDF: 1142289.7/51

In: 106.976+/-0.028 χ^2/NDF:439647.6/46

Out: 97.660+/-0.027 χ^2/NDF:1499665.5/51

All: 102.073+/-0.019 χ^2/NDF: 1997060.3/98


reg_asym_usr_atr1_avg_diff_bpm1X_slope vs Slug, Sign Corrected
−20
−40
−60
−80
−100
−120
−140
−160
100
120
140
160
180
200
Right In: -77.007+/-0.488 χ²/NDF: 2861.3/23
Left Out: -55.077+/-0.401 χ²/NDF:2002.8/24
Right Out: -79.600+/-0.427 χ²/NDF: 5926.2/27
Left In: -55.050+/-0.410 χ²/NDF:1541.8/22
Left: -55.064+/-0.287 χ²/NDF: 3544.6/47
Right: -78.477+/-0.321 χ²/NDF: 8803.5/51
In: -64.142+/-0.314 χ²/NDF:5588.0/46
Out: -66.560+/-0.292 χ²/NDF:9684.3/52
All: -65.439+/-0.214 χ²/NDF: 15304.1/99



Right In: 15.148+/-0.524 χ^2/NDF: 275.0/23

Left Out: 4.910+/-0.301 χ^2/NDF:741.5/24

Right Out: 14.141+/-0.473 χ^2/NDF: 284.8/27

Left In: 4.215+/-0.312 χ^2/NDF:415.1/22

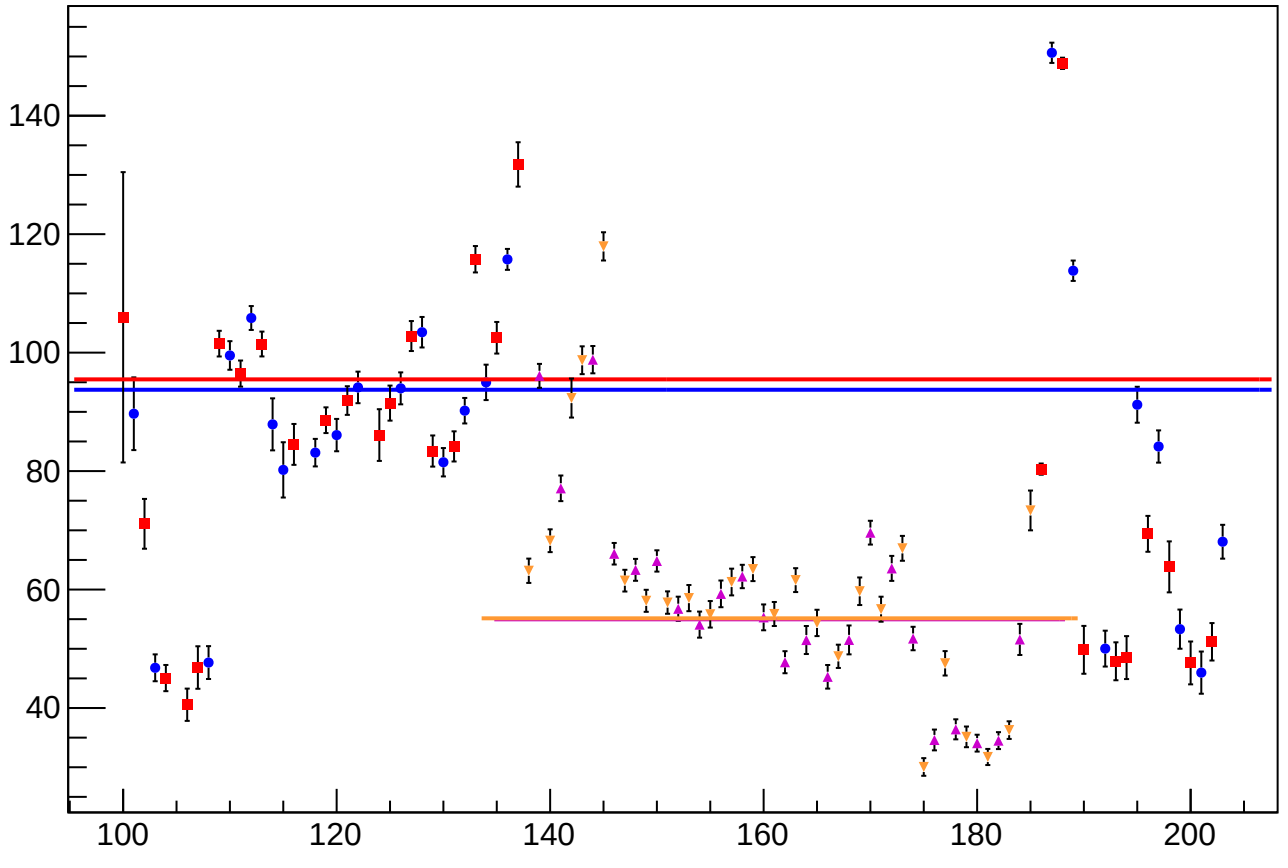
Left: 4.575+/-0.217 χ^2/NDF: 1159.1/47

Right: 14.594+/-0.351 χ^2/NDF: 561.8/51

In: 7.082+/-0.268 χ^2/NDF:1011.4/46

Out: 7.574+/-0.254 χ^2/NDF:1297.0/52

All: 7.341+/-0.185 χ^2/NDF: 2310.2/99



Right In: 93.733+/-0.516 χ^2/NDF: 2858.0/23

Left Out: 55.142+/-0.397 χ^2/NDF:2242.4/24

Right Out: 95.486+/-0.429 χ^2/NDF: 5857.2/27

Left In: 54.972+/-0.406 χ^2/NDF:1780.5/22

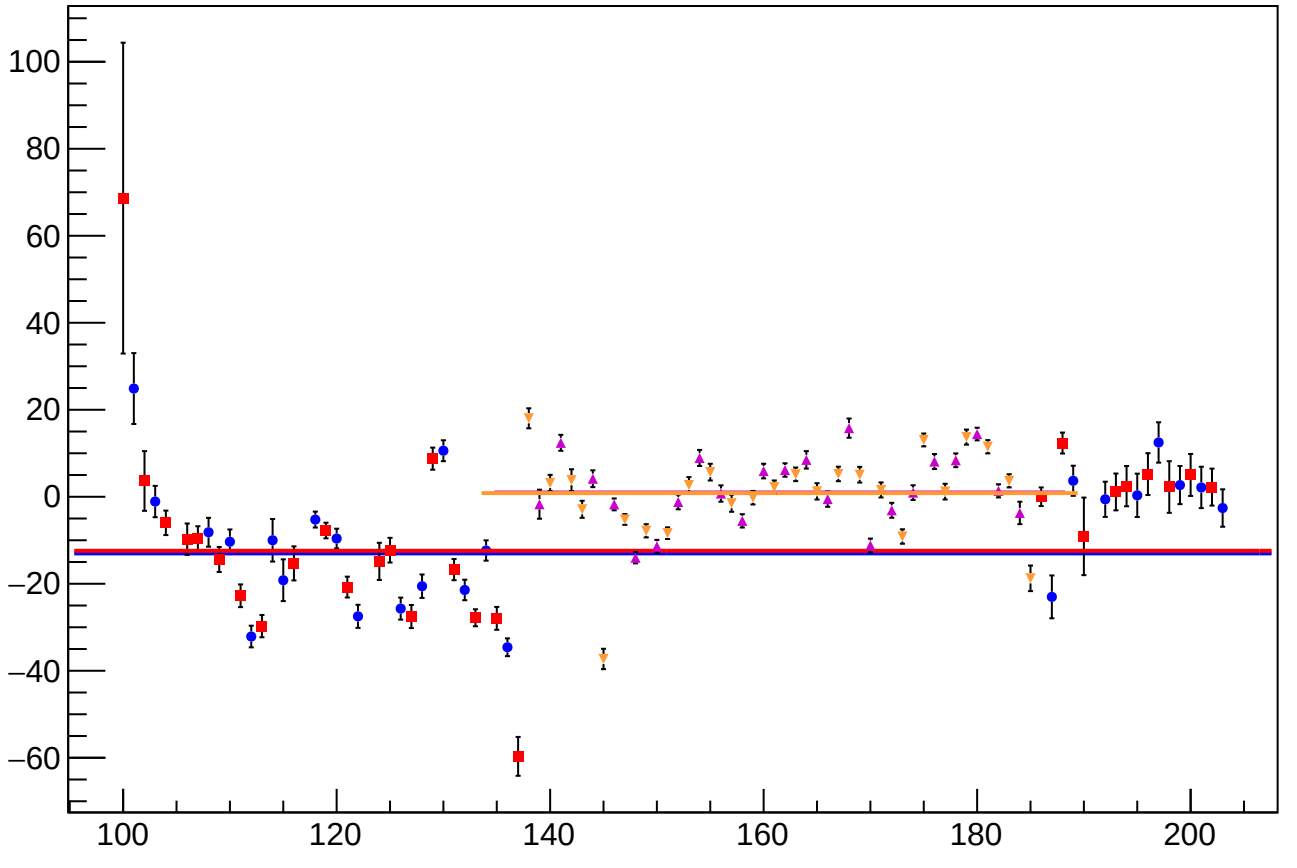
Left: 55.059+/-0.284 χ^2/NDF: 4023.0/47

Right: 94.768+/-0.330 χ^2/NDF: 8722.0/51

In: 69.789+/-0.319 χ^2/NDF:8129.8/46

Out: 73.738+/-0.291 χ^2/NDF:12861.8/52

All: 71.940+/-0.215 χ^2/NDF: 21075.2/99



Right In: -13.014+/-0.611 χ^2/NDF: 503.0/23

Left Out: 0.840+/-0.343 χ^2/NDF:717.2/24

Right Out: -12.419+/-0.569 χ^2/NDF: 617.9/27

Left In: 0.980+/-0.353 χ^2/NDF:558.5/22

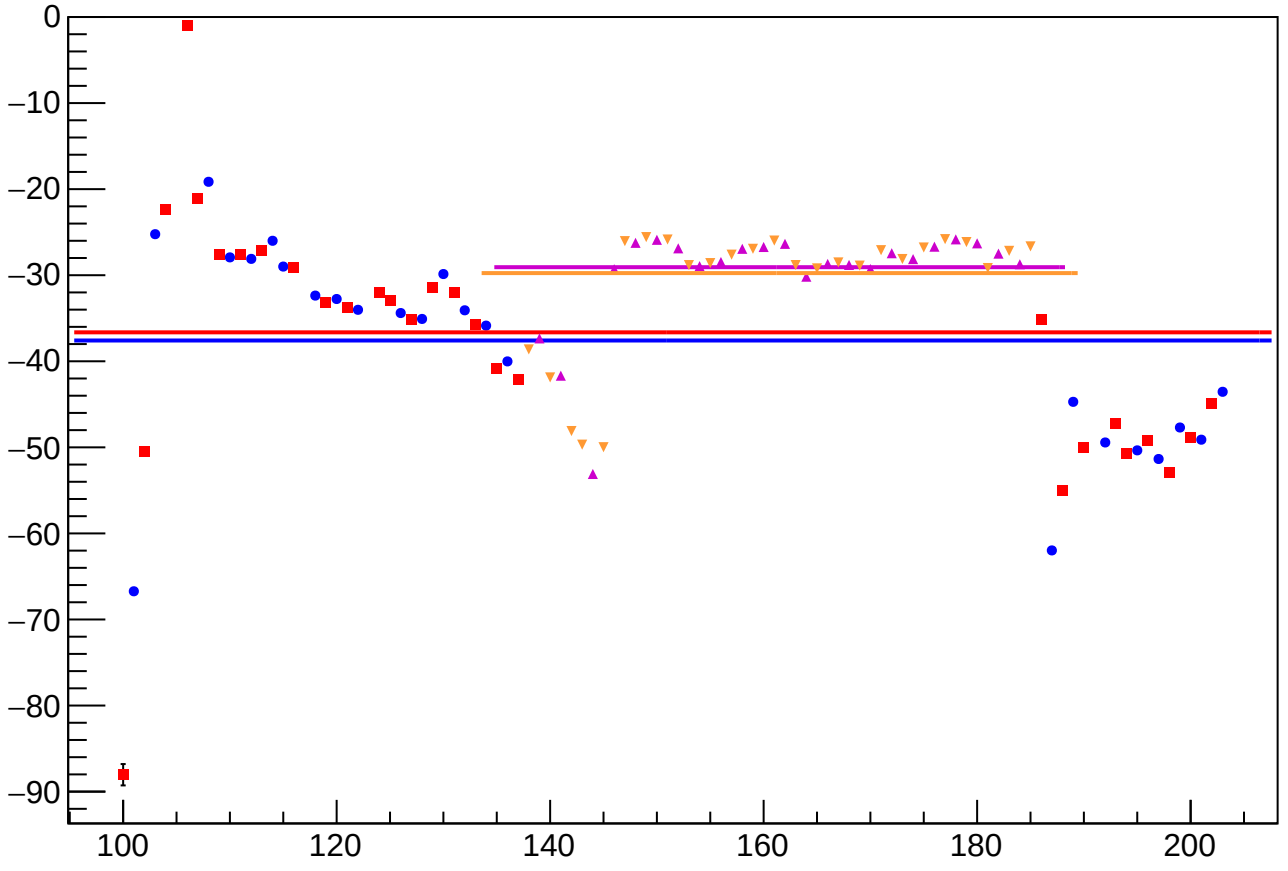
Left: 0.908+/-0.246 χ^2/NDF: 1275.8/47

Right: -12.695+/-0.416 χ^2/NDF: 1121.4/51

In: -2.529+/-0.306 χ^2/NDF:1454.8/46

Out: -2.693+/-0.294 χ^2/NDF:1733.5/52

All: -2.615+/-0.212 χ^2/NDF: 3188.5/99



Right In: -37.585+/-0.031 χ^2/NDF: 111003.9/23

Left Out: -29.754+/-0.016 χ^2/NDF:163552.5/24

Right Out: -36.637+/-0.030 χ^2/NDF: 202527.0/27

Left In: -29.067+/-0.016 χ^2/NDF:101545.6/22

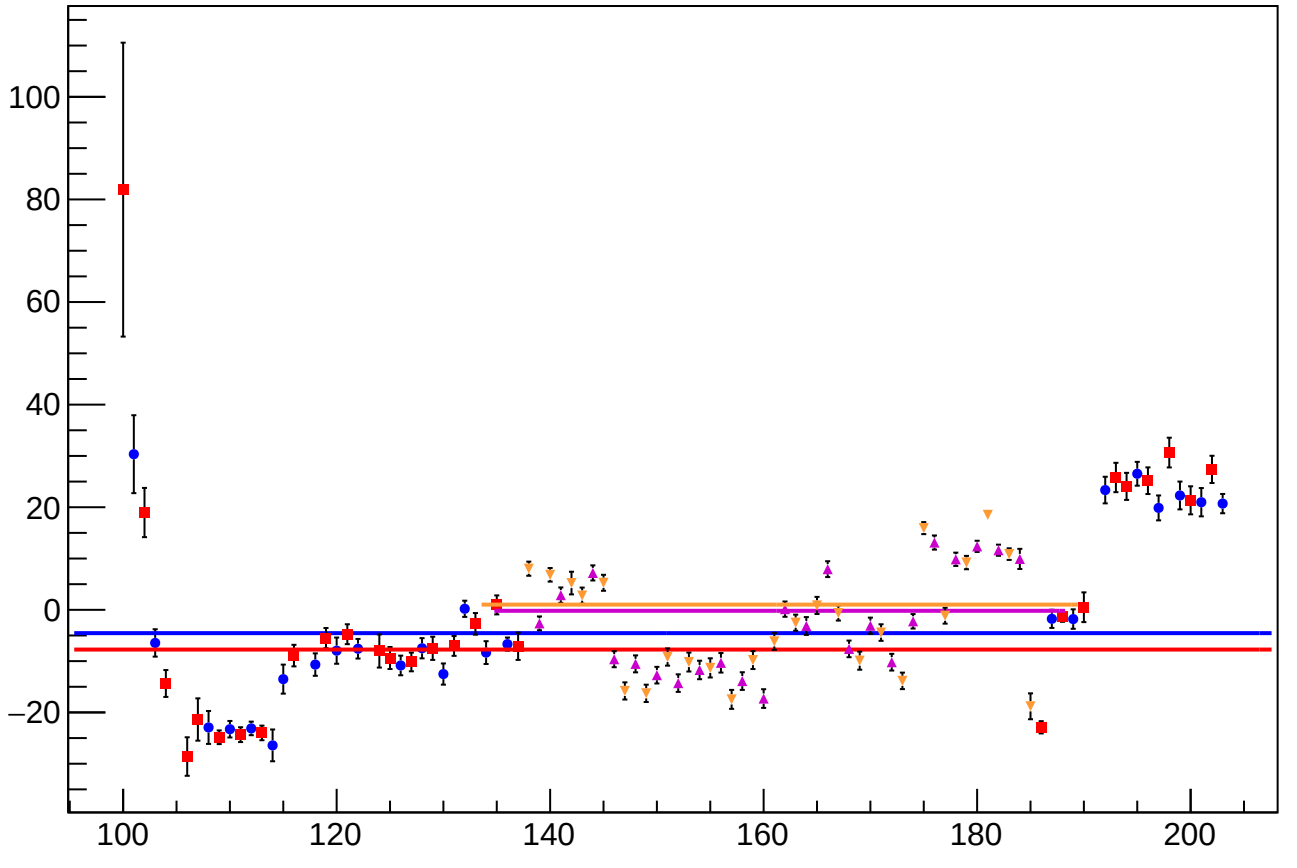
Left: -29.416+/-0.011 χ^2/NDF: 266057.0/47

Right: -37.094+/-0.022 χ^2/NDF: 314011.5/51

In: -30.811+/-0.014 χ^2/NDF:272109.0/46

Out: -31.212+/-0.014 χ^2/NDF:407466.9/52

All: -31.015+/-0.010 χ^2/NDF: 679987.9/99



Right In: -4.546+/-0.419 χ^2/NDF: 1265.6/23

Left Out: 1.015+/-0.305 χ^2/NDF:1335.1/24

Right Out: -7.745+/-0.380 χ^2/NDF: 1666.0/27

Left In: -0.192+/-0.315 χ^2/NDF:982.8/22

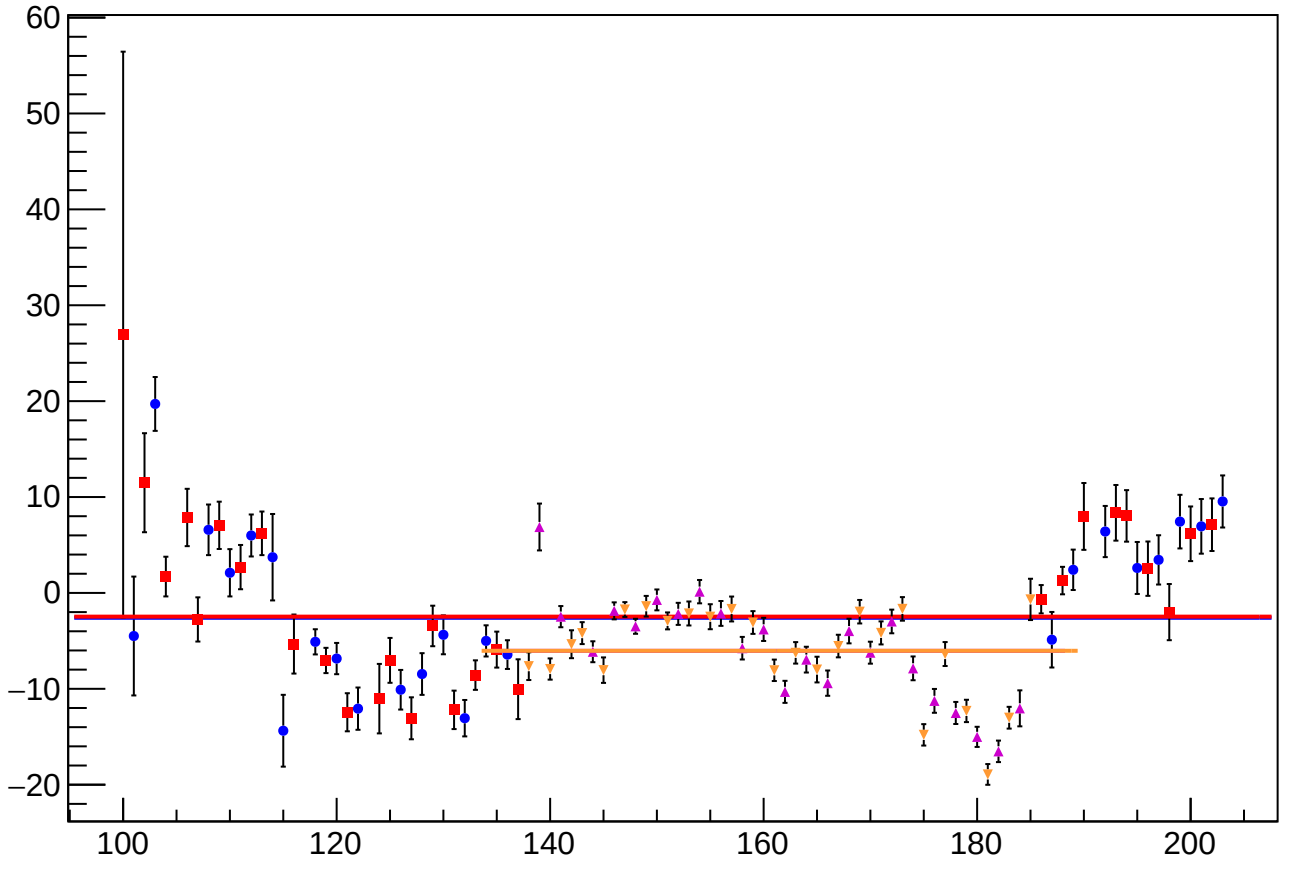
Left: 0.431+/-0.219 χ^2/NDF: 2325.4/47

Right: -6.301+/-0.281 χ^2/NDF: 2963.7/51

In: -1.762+/-0.251 χ^2/NDF:2317.5/46

Out: -2.417+/-0.238 χ^2/NDF:3324.8/52

All: -2.108+/-0.173 χ^2/NDF: 5645.8/99



Right In: -2.591+/-0.452 χ^2/NDF: 266.3/23

Left Out: -6.035+/-0.233 χ^2/NDF:414.9/24

Right Out: -2.473+/-0.423 χ^2/NDF: 249.7/27

Left In: -6.043+/-0.243 χ^2/NDF:396.2/22

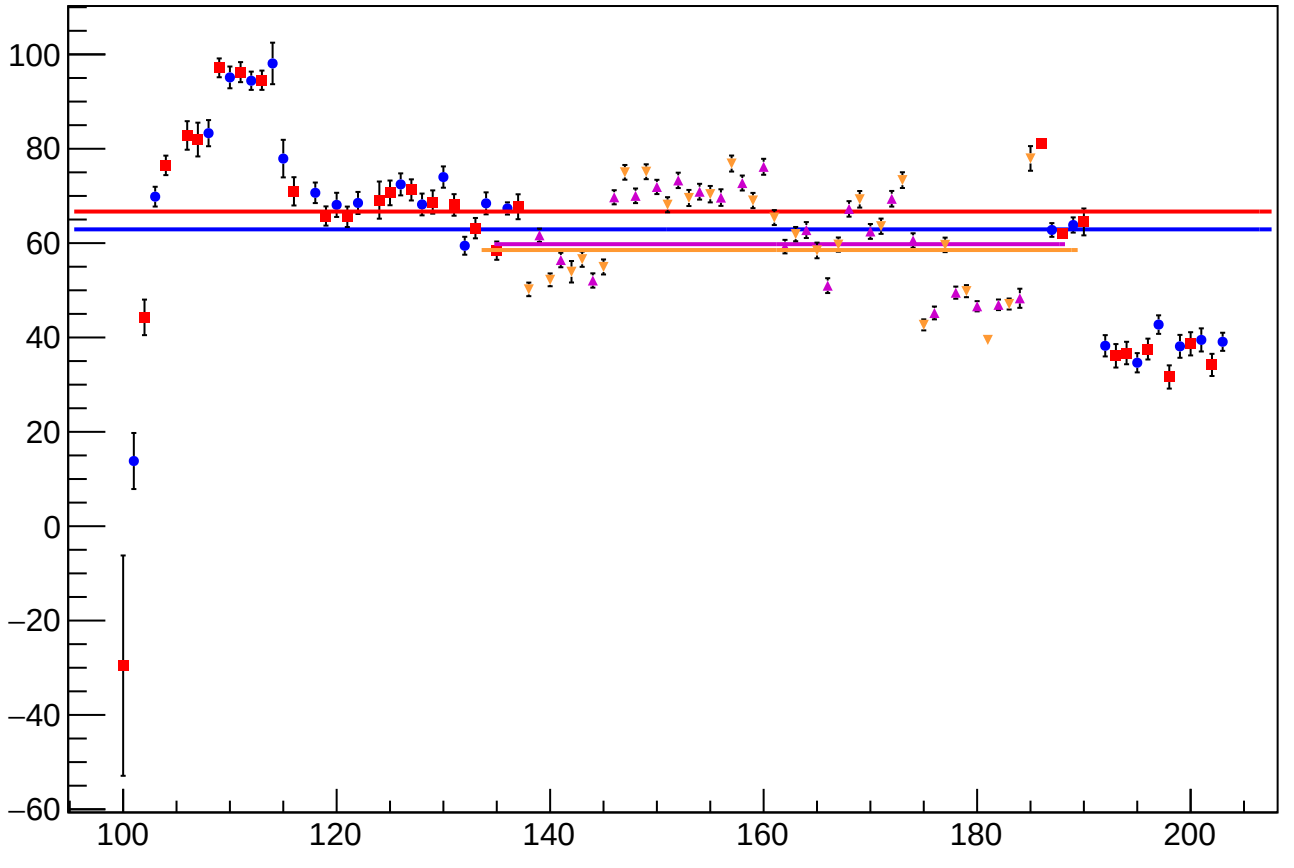
Left: -6.039+/-0.168 χ^2/NDF: 811.1/47

Right: -2.528+/-0.309 χ^2/NDF: 516.0/51

In: -5.270+/-0.214 χ^2/NDF:707.8/46

Out: -5.205+/-0.204 χ^2/NDF:718.9/52

All: -5.236+/-0.148 χ^2/NDF: 1426.8/99



Right In: 62.915+/-0.435 χ^2/NDF: 1527.5/23

Left Out: 58.535+/-0.303 χ^2/NDF:1449.2/24

Right Out: 66.691+/-0.380 χ^2/NDF: 2030.3/27

Left In: 59.777+/-0.312 χ^2/NDF:1070.5/22

Left: 59.139+/-0.217 χ^2/NDF: 2527.9/47

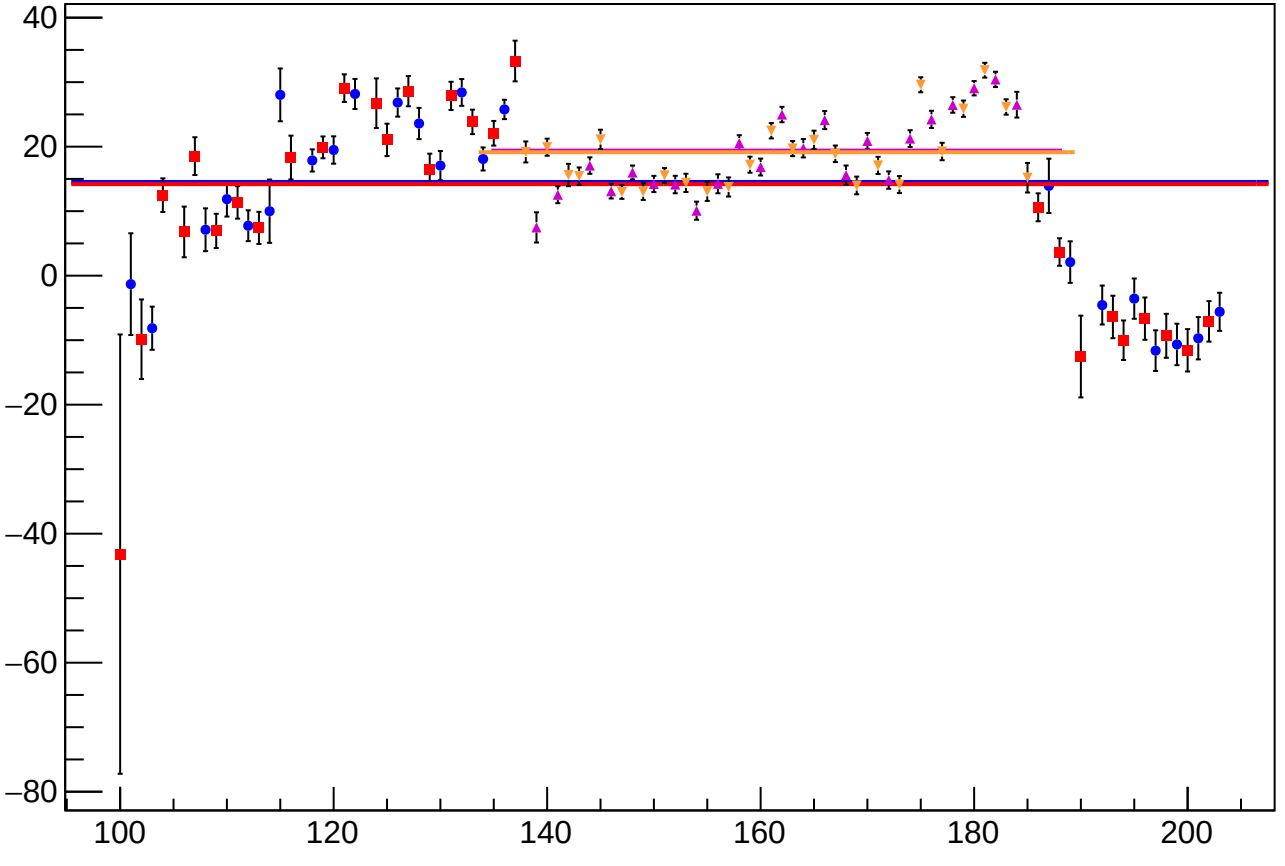
Right: 65.057+/-0.286 χ^2/NDF: 3600.5/51

In: 60.842+/-0.253 χ^2/NDF:2632.4/46

Out: 61.705+/-0.237 χ^2/NDF:3761.2/52

All: 61.302+/-0.173 χ^2/NDF: 6399.8/99

reg_asym_usr_atr1_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 14.525+/-0.521 χ^2/NDF: 590.7/23

Left Out: 19.138+/-0.264 χ^2/NDF:433.7/24

Right Out: 14.188+/-0.503 χ^2/NDF: 618.9/27

Left In: 19.390+/-0.274 χ^2/NDF:467.7/22

Left: 19.260+/-0.190 χ^2/NDF: 901.9/47

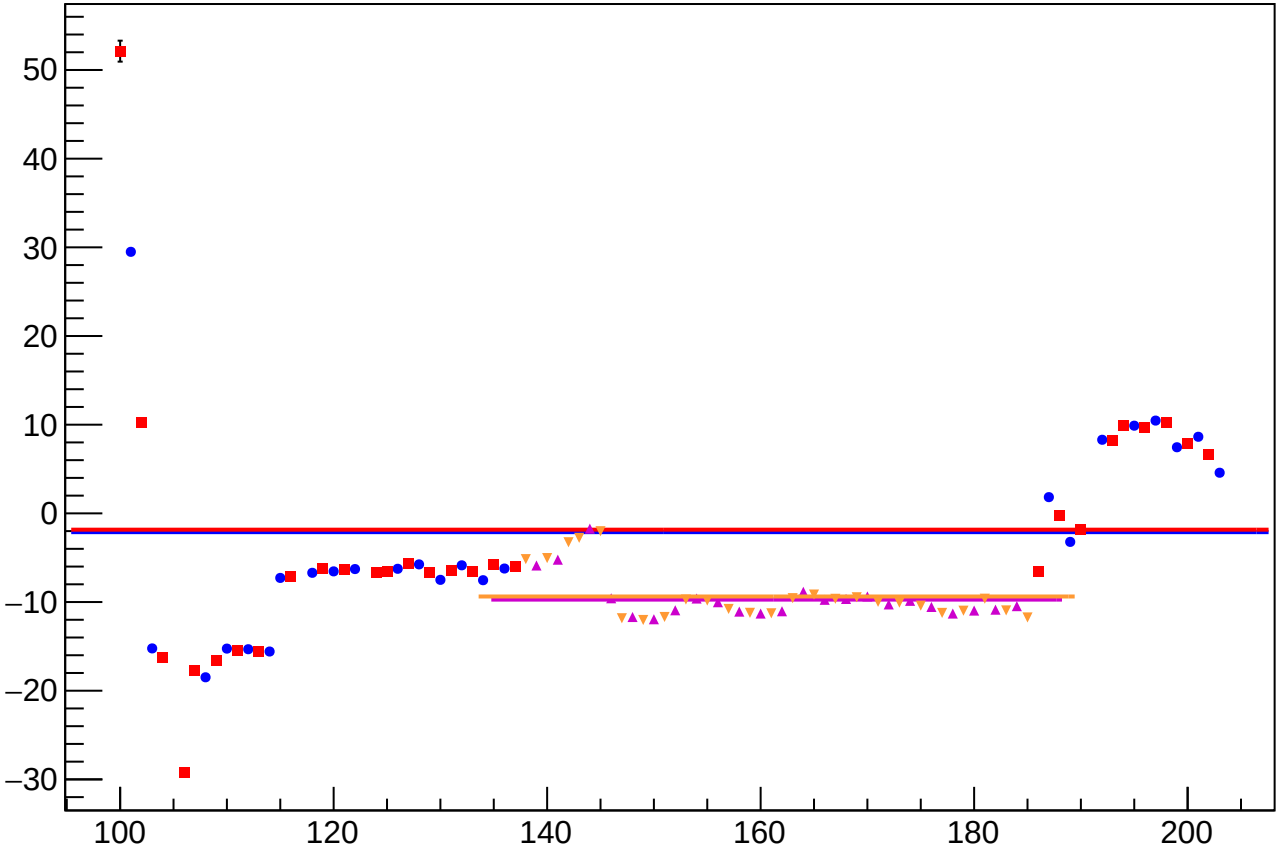
Right: 14.351+/-0.362 χ^2/NDF: 1209.9/51

In: 18.337+/-0.242 χ^2/NDF:1126.8/46

Out: 18.070+/-0.234 χ^2/NDF:1128.5/52

All: 18.199+/-0.168 χ^2/NDF: 2256.0/99

reg_asym_usr_atr1_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -2.119+/-0.025 χ^2/NDF: 149271.9/23

Left Out: -9.375+/-0.012 χ^2/NDF:49934.3/24

Right Out: -1.839+/-0.025 χ^2/NDF: 183447.7/27

Left In: -9.726+/-0.012 χ^2/NDF:31951.7/22

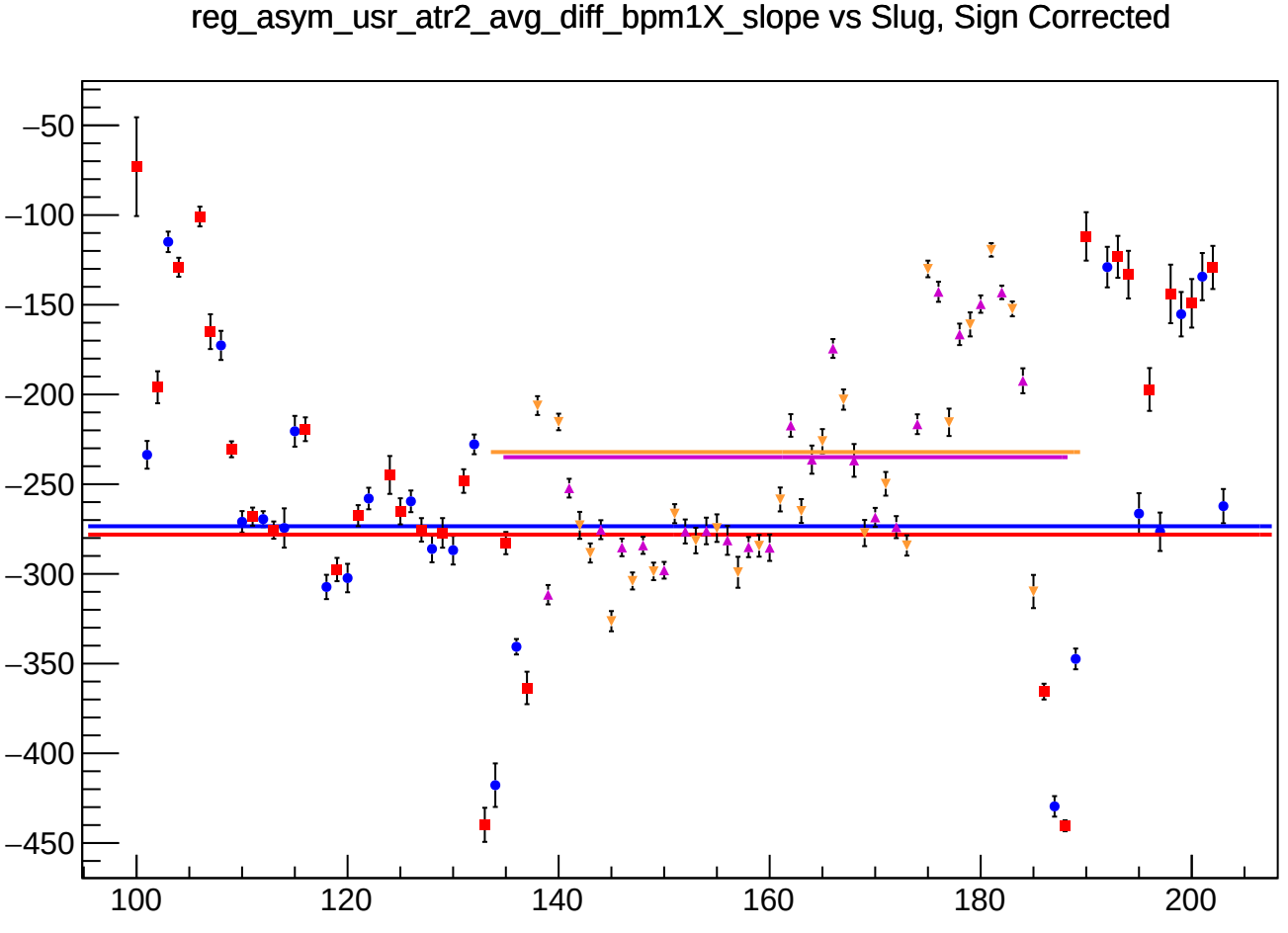
Left: -9.547+/-0.008 χ^2/NDF: 82314.4/47

Right: -1.978+/-0.017 χ^2/NDF: 332783.4/51

In: -8.262+/-0.011 χ^2/NDF:257146.6/46

Out: -7.953+/-0.011 χ^2/NDF:309281.7/52

All: -8.105+/-0.008 χ^2/NDF: 566838.0/99



Right In: -273.451+/-1.425 χ^2/NDF: 2779.4/23

Left Out: -232.091+/-1.143 χ^2/NDF:3269.9/24

Right Out: -278.094+/-1.249 χ^2/NDF: 6728.2/27

Left In: -234.951+/-1.176 χ^2/NDF:2470.2/22

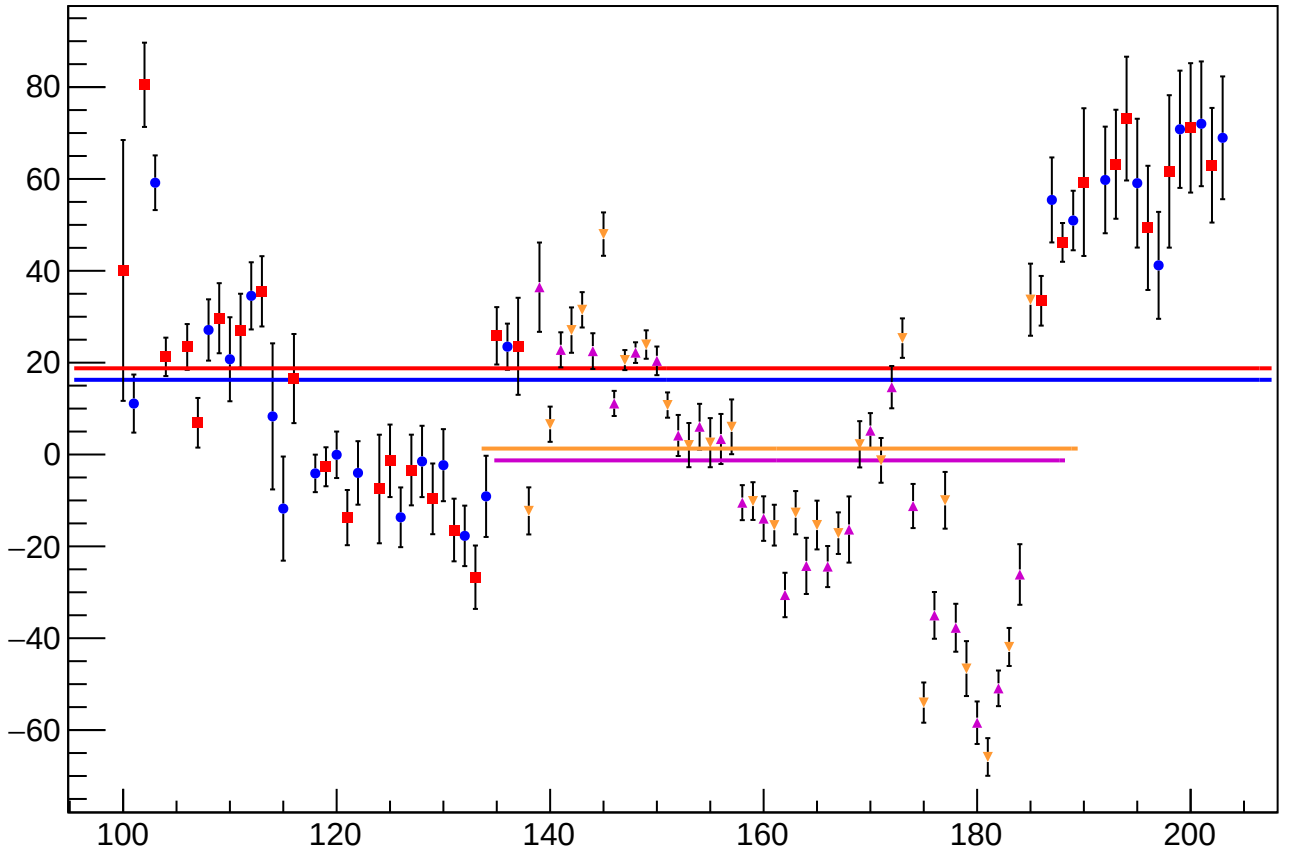
Left: -233.480+/-0.820 χ^2/NDF: 5743.2/47

Right: -276.077+/-0.940 χ^2/NDF: 9513.6/51

In: -250.540+/-0.907 χ^2/NDF:5683.8/46

Out: -253.051+/-0.843 χ^2/NDF:10736.2/52

All: -251.886+/-0.618 χ^2/NDF: 16424.1/99



Right In: 16.265+/-1.503 χ^2/NDF: 306.2/23

Left Out: 1.295+/-0.837 χ^2/NDF:1049.5/24

Right Out: 18.772+/-1.349 χ^2/NDF: 343.9/27

Left In: -1.280+/-0.869 χ^2/NDF:811.2/22

Left: 0.056+/-0.603 χ^2/NDF: 1865.2/47

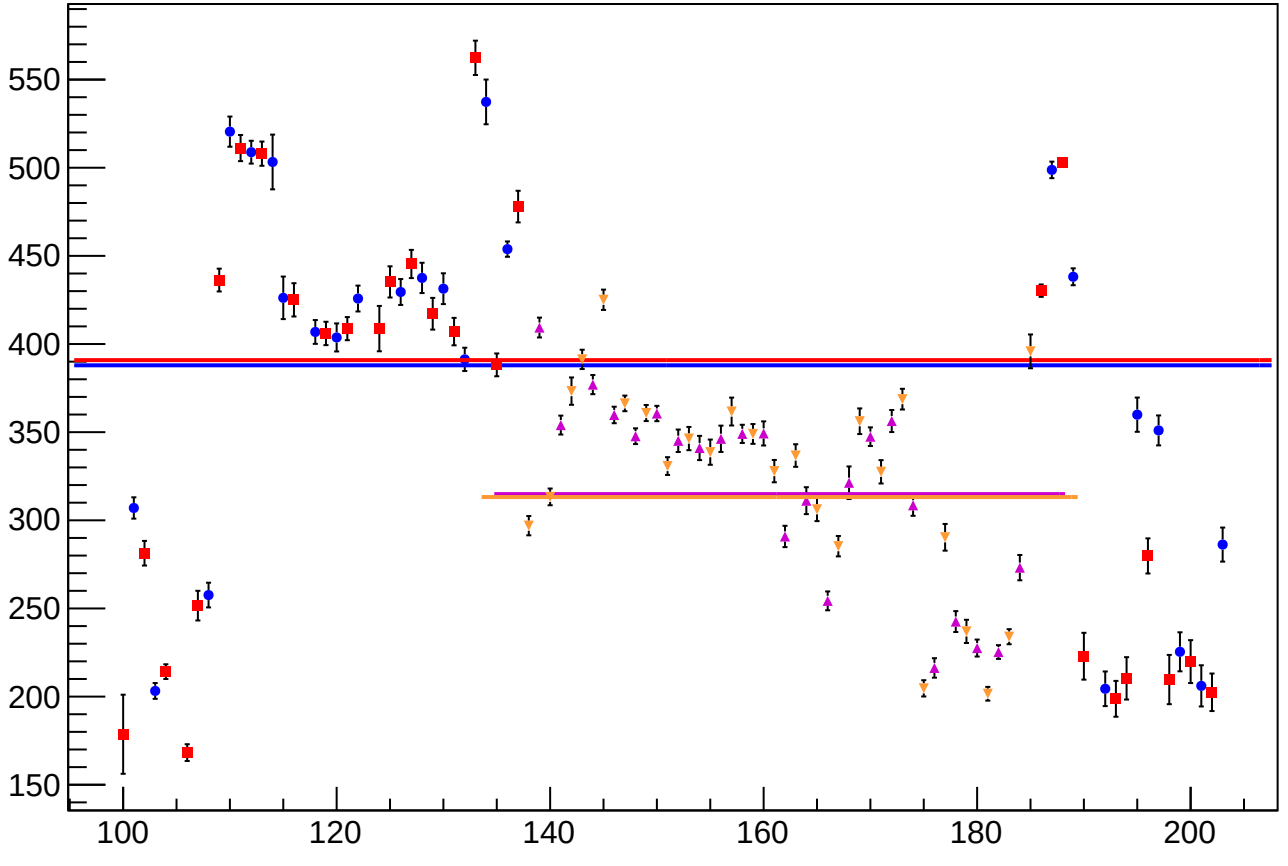
Right: 17.654+/-1.004 χ^2/NDF: 651.6/51

In: 3.113+/-0.752 χ^2/NDF:1219.5/46

Out: 6.153+/-0.711 χ^2/NDF:1514.6/52

All: 4.718+/-0.517 χ^2/NDF: 2742.7/99

reg_asym_usr_atr2_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 387.924+/-1.444 χ^2/NDF: 4988.4/23

Left Out: 313.197+/-1.134 χ^2/NDF:3135.7/24

Right Out: 390.864+/-1.223 χ^2/NDF: 9452.4/27

Left In: 314.864+/-1.161 χ^2/NDF:2429.0/22

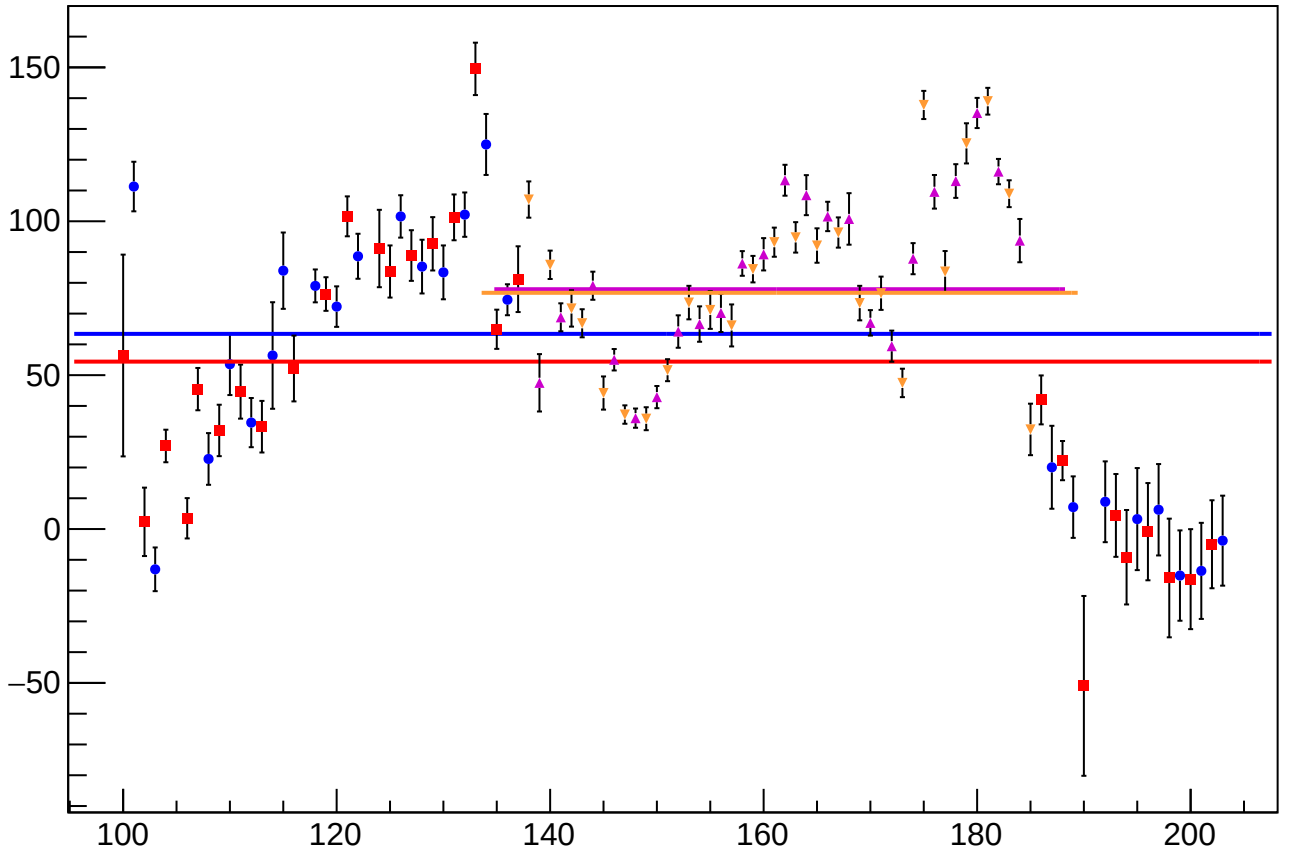
Left: 314.010+/-0.811 χ^2/NDF: 5565.8/47

Right: 389.637+/-0.933 χ^2/NDF: 14443.2/51

In: 343.555+/-0.905 χ^2/NDF:8971.6/46

Out: 349.102+/-0.832 χ^2/NDF:14756.8/52

All: 346.563+/-0.612 χ^2/NDF: 23748.7/99



Right In: 63.414+/-1.765 χ^2/NDF: 489.9/23

Left Out: 76.758+/-0.967 χ^2/NDF:1035.3/24

Right Out: 54.398+/-1.628 χ^2/NDF: 559.5/27

Left In: 77.923+/-0.997 χ^2/NDF:783.8/22

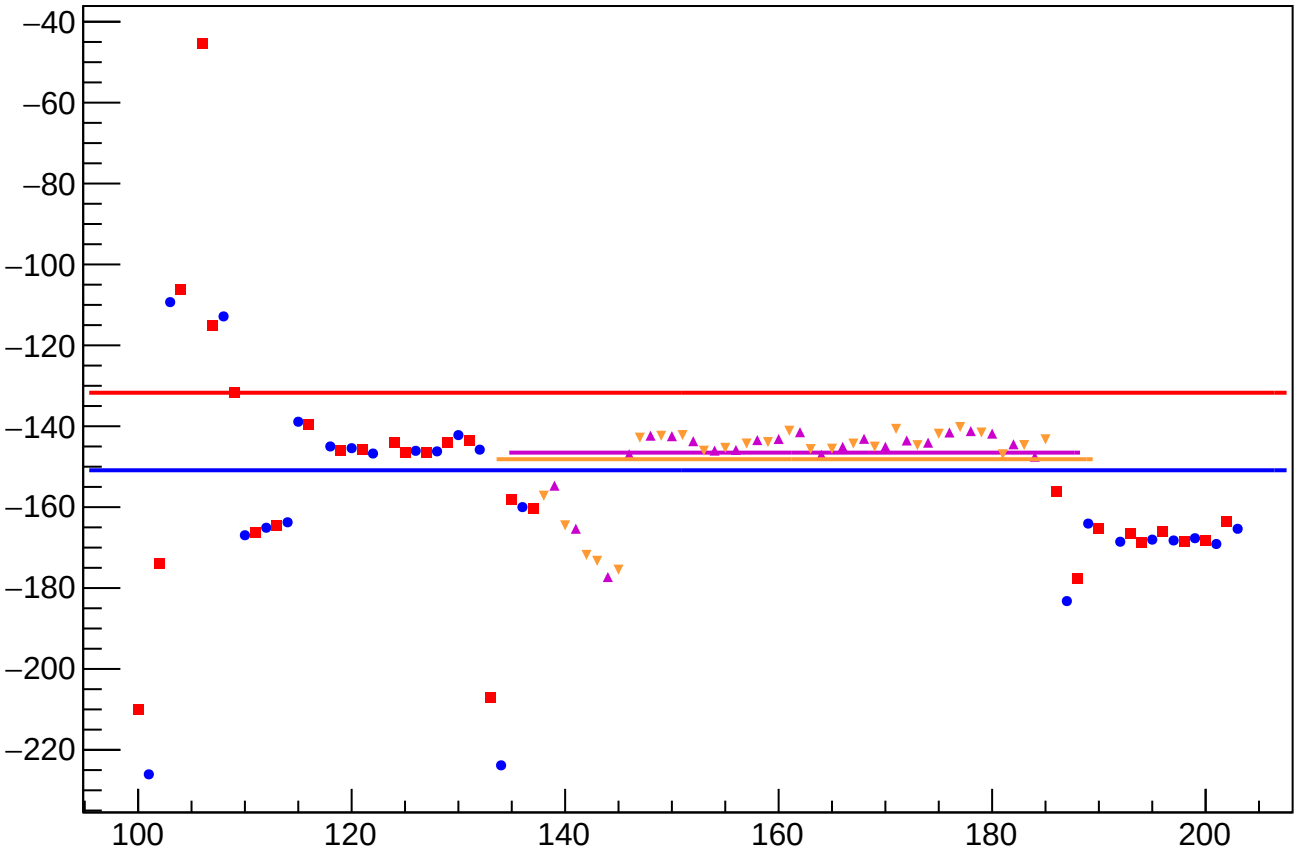
Left: 77.323+/-0.694 χ^2/NDF: 1819.9/47

Right: 58.542+/-1.197 χ^2/NDF: 1063.5/51

In: 74.416+/-0.868 χ^2/NDF:1324.9/46

Out: 70.930+/-0.831 χ^2/NDF:1734.3/52

All: 72.597+/-0.600 χ^2/NDF: 3067.6/99



Right In: -150.883+/-0.085 χ^2/NDF: 145976.6/23

Left Out: -148.148+/-0.045 χ^2/NDF:48910.2/24

Right Out: -131.716+/-0.077 χ^2/NDF: 343310.5/27

Left In: -146.523+/-0.046 χ^2/NDF:29172.3/22

Left: -147.344+/-0.032 χ^2/NDF: 78725.9/47

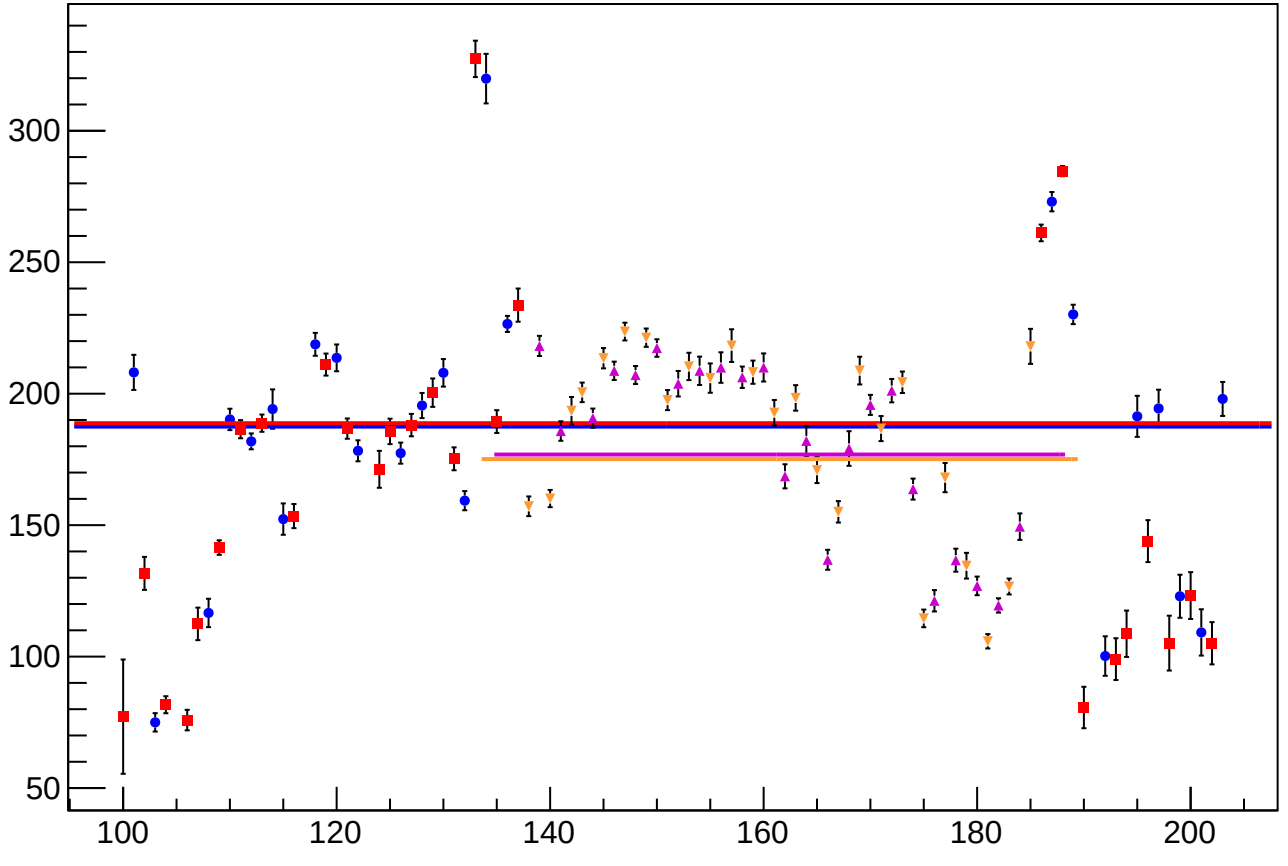
Right: -140.347+/-0.057 χ^2/NDF: 516947.7/51

In: -147.488+/-0.040 χ^2/NDF:177177.1/46

Out: -143.979+/-0.039 χ^2/NDF:425914.7/52

All: -145.678+/-0.028 χ^2/NDF: 607020.2/99

reg_asym_usr_atr2_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 187.492+/-0.955 χ^2/NDF: 2736.3/23

Left Out: 175.126+/-0.822 χ^2/NDF:2295.2/24

Right Out: 188.777+/-0.827 χ^2/NDF: 6678.4/27

Left In: 176.862+/-0.847 χ^2/NDF:1756.1/22

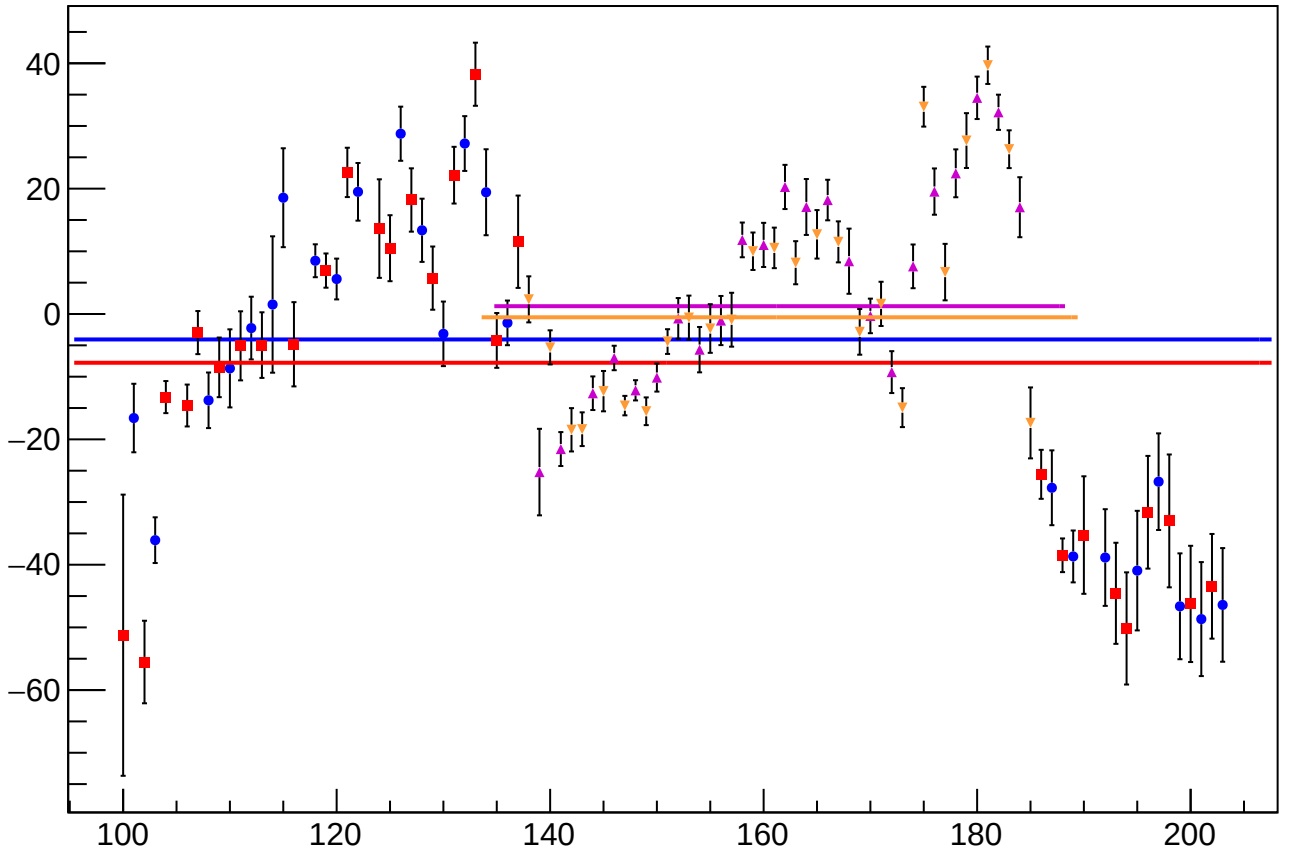
Left: 175.968+/-0.590 χ^2/NDF: 4053.4/47

Right: 188.227+/-0.625 χ^2/NDF: 9415.8/51

In: 181.542+/-0.634 χ^2/NDF:4561.8/46

Out: 181.912+/-0.583 χ^2/NDF:9110.7/52

All: 181.743+/-0.429 χ^2/NDF: 13672.7/99



Right In: -4.060+/-1.006 χ^2/NDF: 488.3/23

Left Out: -0.523+/-0.601 χ^2/NDF:724.5/24

Right Out: -7.778+/-0.889 χ^2/NDF: 595.6/27

Left In: 1.244+/-0.625 χ^2/NDF:620.6/22

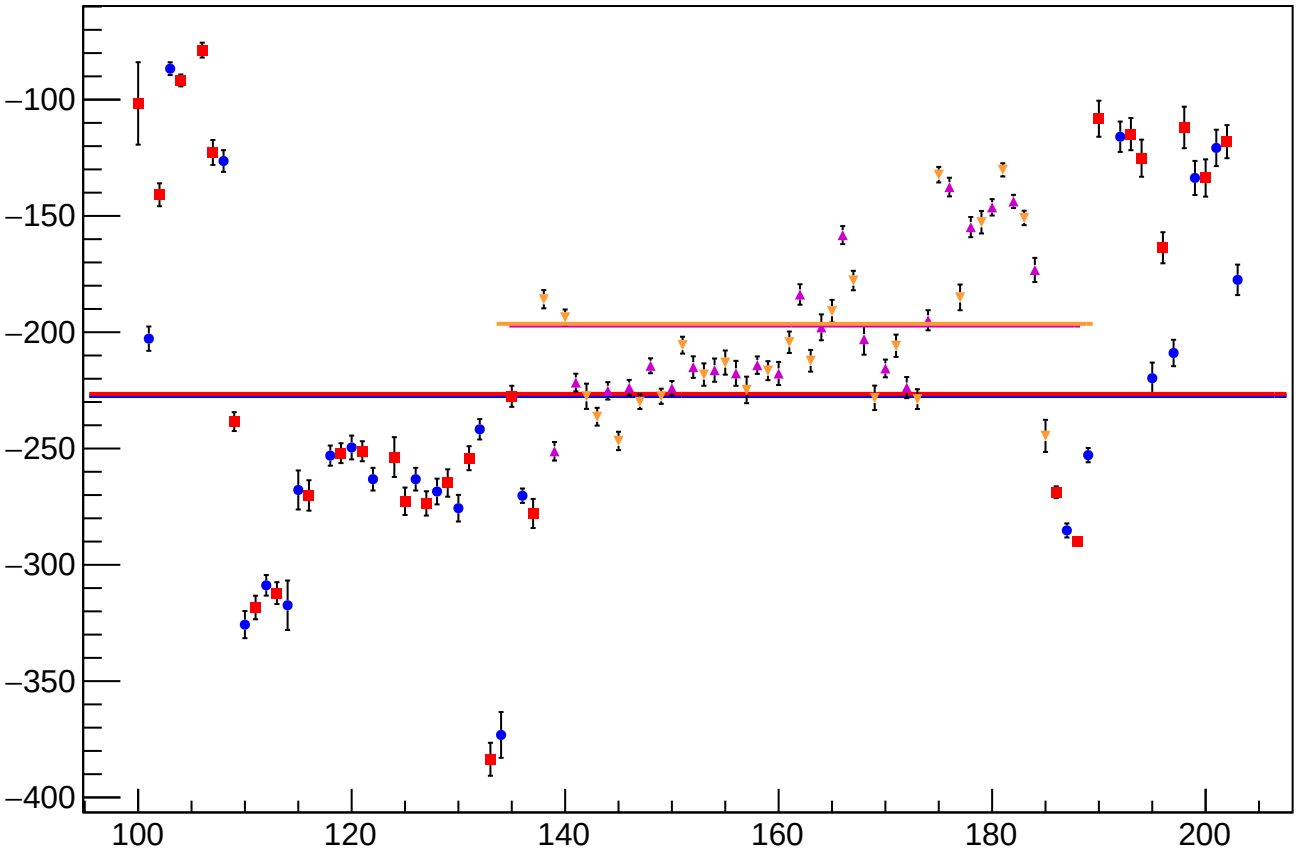
Left: 0.325+/-0.433 χ^2/NDF: 1349.2/47

Right: -6.148+/-0.666 χ^2/NDF: 1091.6/51

In: -0.235+/-0.531 χ^2/NDF:1128.9/46

Out: -2.799+/-0.498 χ^2/NDF:1365.8/52

All: -1.600+/-0.363 χ^2/NDF: 2507.1/99



Right In: -227.428+/-0.965 χ^2/NDF: 5686.7/23

Left Out: -196.380+/-0.816 χ^2/NDF:1997.7/24

Right Out: -226.508+/-0.806 χ^2/NDF: 10407.0/27

Left In: -197.128+/-0.837 χ^2/NDF:1601.5/22

Left: -196.744+/-0.584 χ^2/NDF: 3599.6/47

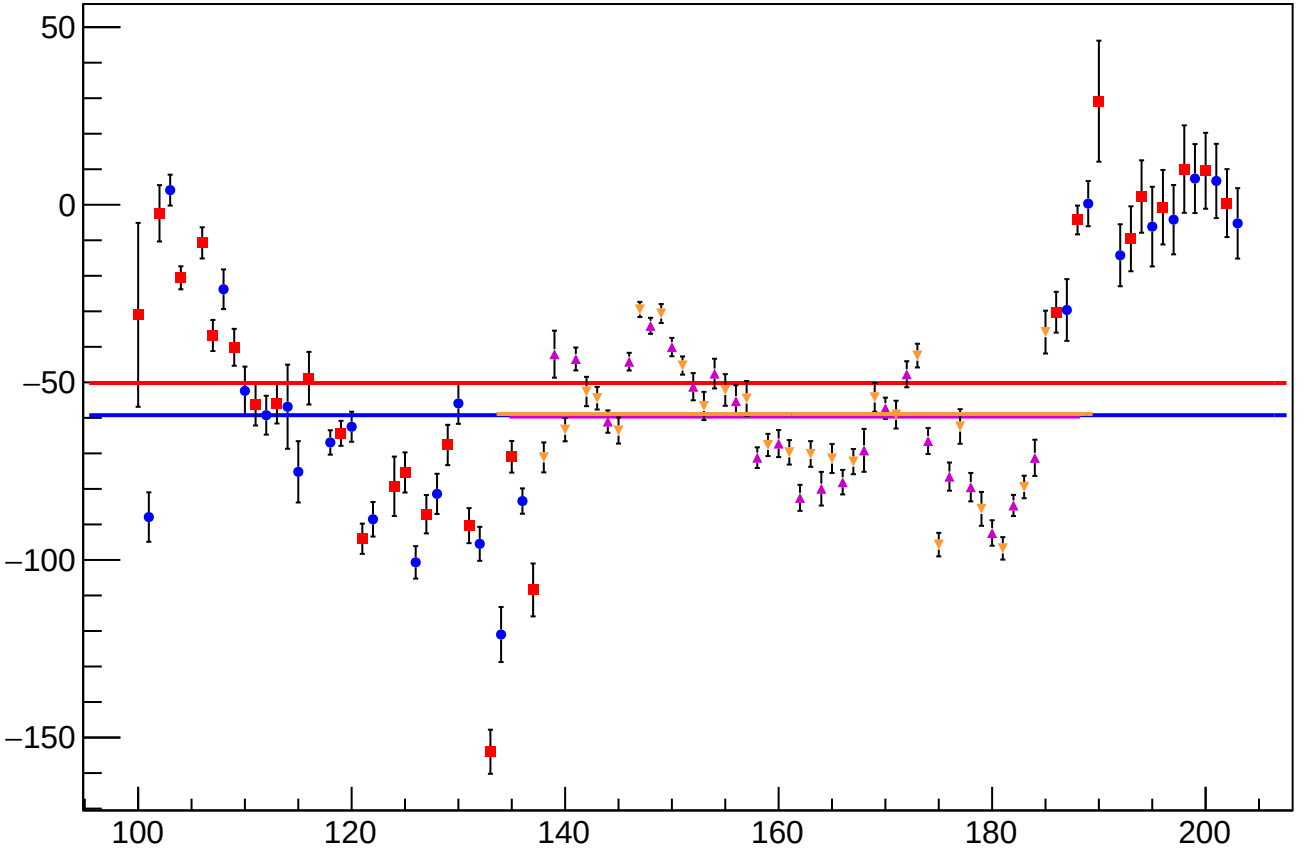
Right: -226.886+/-0.618 χ^2/NDF: 16094.3/51

In: -210.141+/-0.632 χ^2/NDF:7851.3/46

Out: -211.633+/-0.573 χ^2/NDF:13095.3/52

All: -210.960+/-0.425 χ^2/NDF: 20949.7/99

reg_asym_usr_atr2_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -59.246+/-1.185 χ^2/NDF: 876.8/23

Left Out: -58.910+/-0.695 χ^2/NDF:782.5/24

Right Out: -50.179+/-1.075 χ^2/NDF: 1170.1/27

Left In: -59.637+/-0.718 χ^2/NDF:597.0/22

Left: -59.261+/-0.499 χ^2/NDF: 1380.0/47

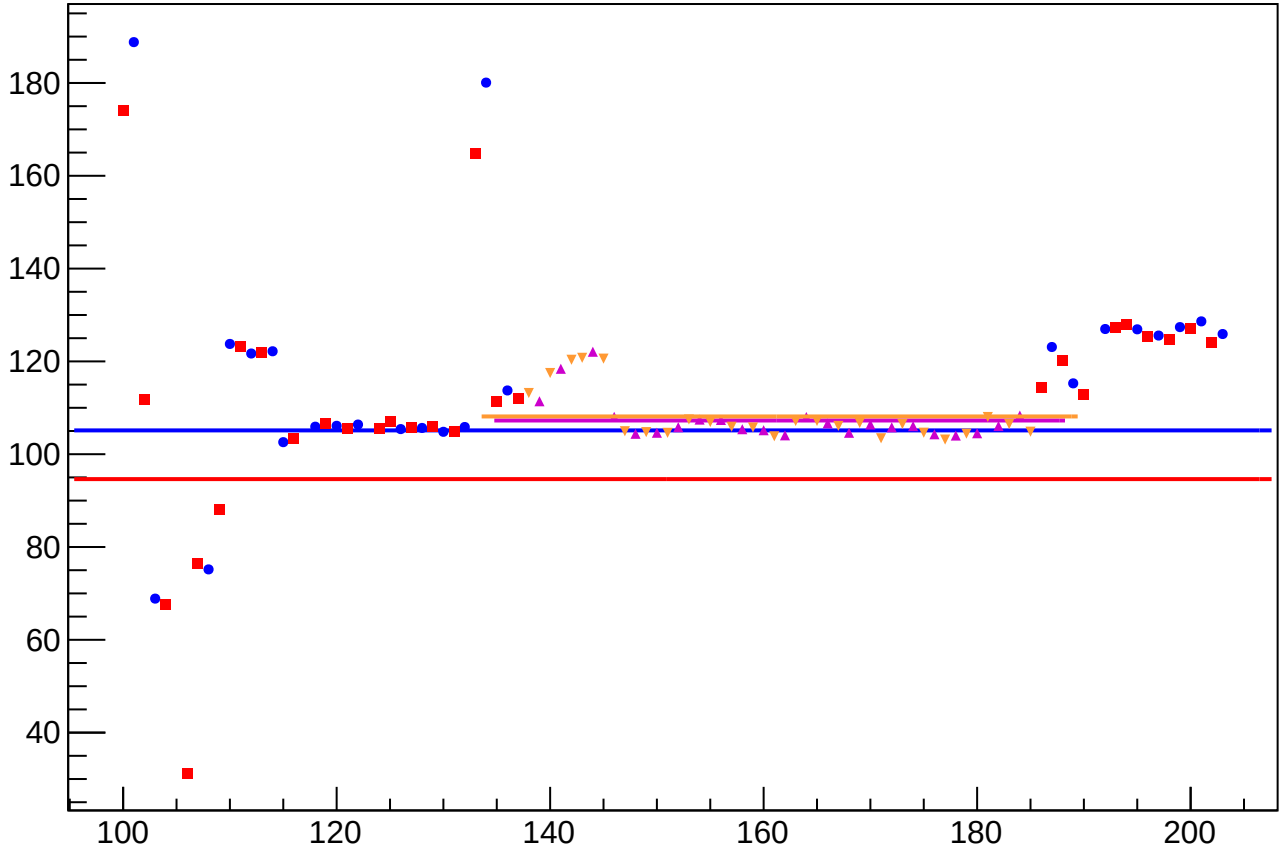
Right: -54.272+/-0.796 χ^2/NDF: 2078.9/51

In: -59.532+/-0.614 χ^2/NDF:1473.9/46

Out: -56.338+/-0.584 χ^2/NDF:1999.1/52

All: -57.853+/-0.423 χ^2/NDF: 3487.2/99

reg_asym_usr_atr2_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 105.130+/-0.057 χ^2/NDF: 271248.6/23

Left Out: 108.136+/-0.032 χ^2/NDF:26420.1/24

Right Out: 94.632+/-0.052 χ^2/NDF: 378410.2/27

Left In: 107.266+/-0.033 χ^2/NDF:16879.3/22

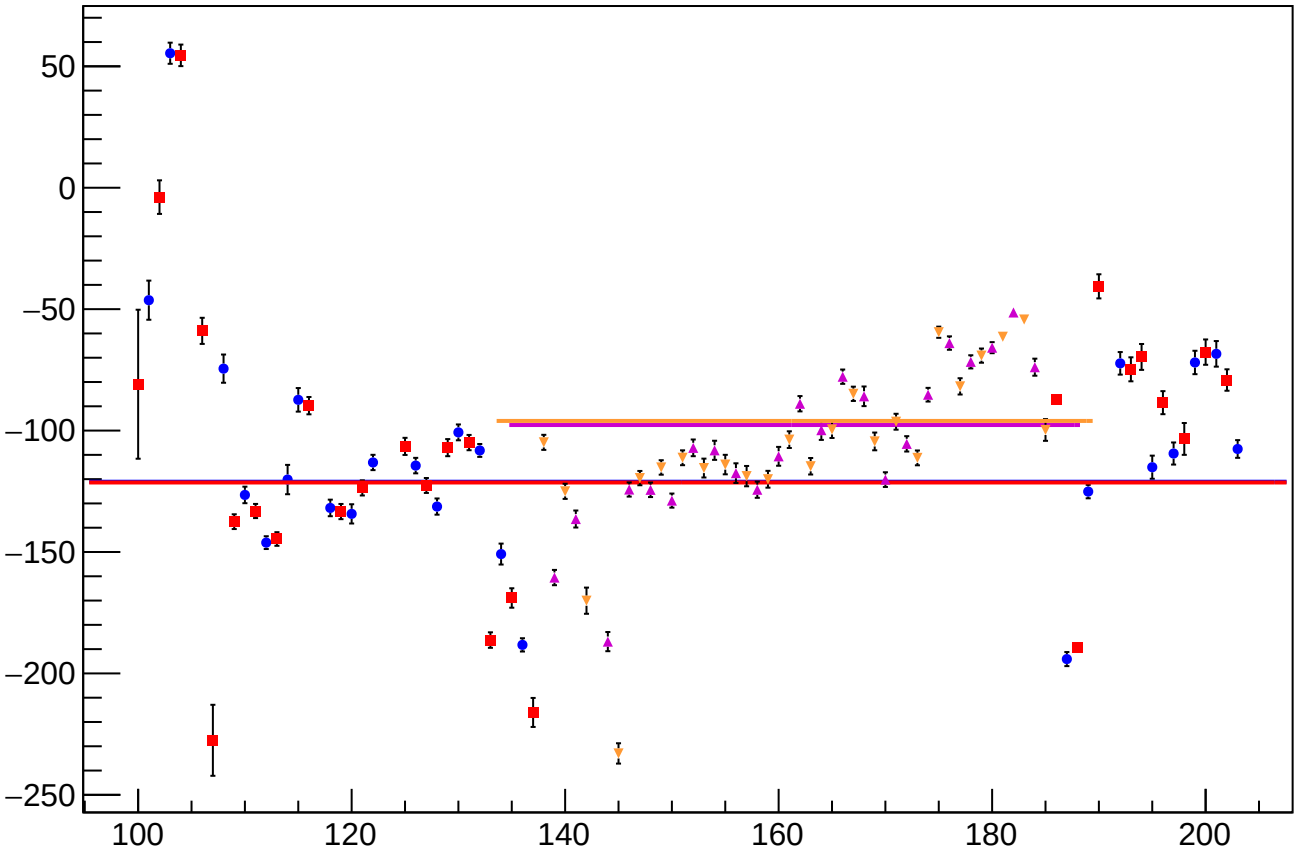
Left: 107.706+/-0.023 χ^2/NDF: 43654.4/47

Right: 99.412+/-0.039 χ^2/NDF: 668062.0/51

In: 106.735+/-0.028 χ^2/NDF:289179.7/46

Out: 104.373+/-0.028 χ^2/NDF:453079.0/52

All: 105.516+/-0.020 χ^2/NDF: 745813.7/99



Right In: -121.058+/-0.745 χ^2/NDF: 3664.3/23

Left Out: -96.026+/-0.635 χ^2/NDF:2770.9/23

Right Out: -121.376+/-0.656 χ^2/NDF: 5991.1/26

Left In: -97.713+/-0.639 χ^2/NDF:2640.9/22

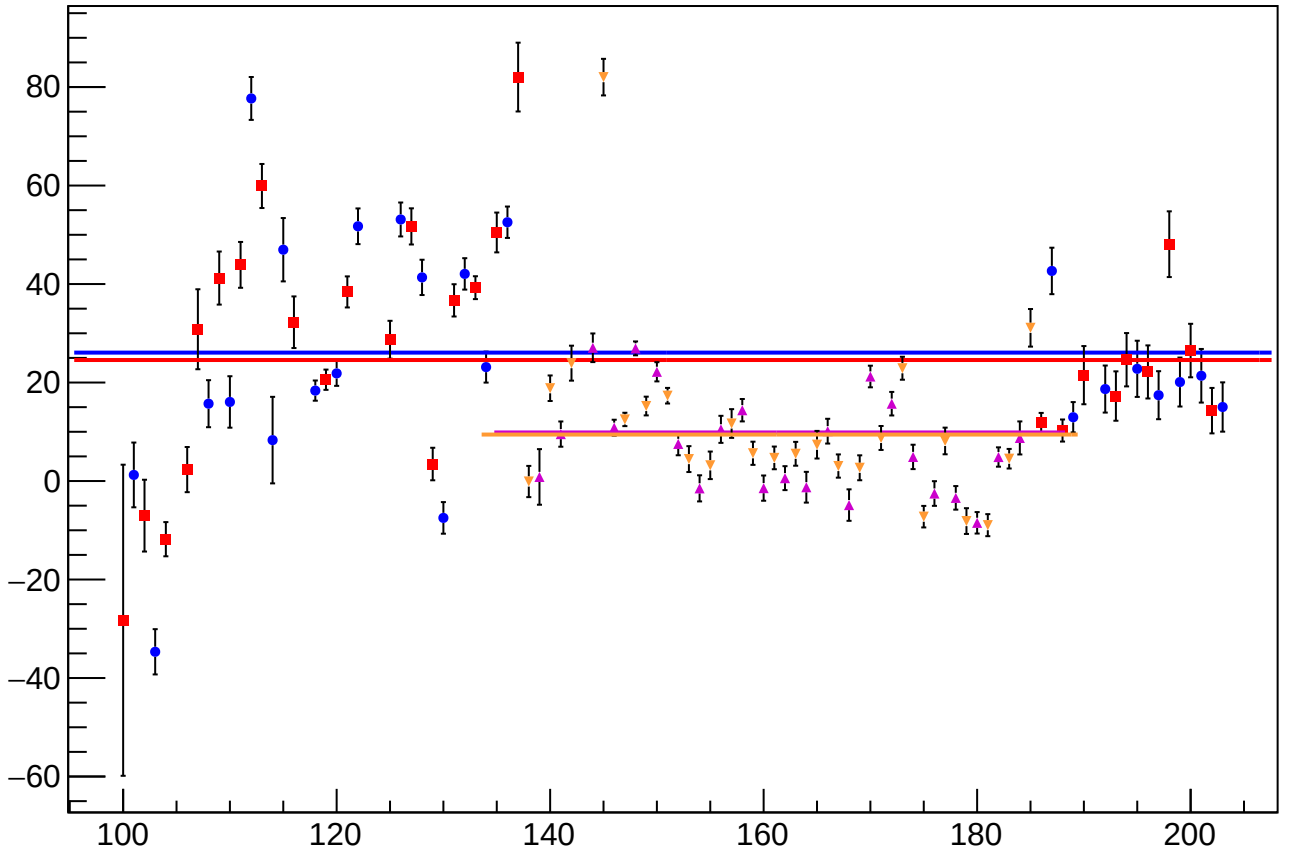
Left: -96.865+/-0.450 χ^2/NDF: 5415.3/46

Right: -121.237+/-0.492 χ^2/NDF: 9655.6/50

In: -107.603+/-0.485 χ^2/NDF:6871.4/46

Out: -108.279+/-0.456 χ^2/NDF:9532.6/50

All: -107.961+/-0.332 χ^2/NDF: 16405.1/97



Right In: 26.077+/-0.779 χ^2/NDF: 747.2/23

Left Out: 9.438+/-0.478 χ^2/NDF:736.4/23

Right Out: 24.573+/-0.717 χ^2/NDF: 629.2/26

Left In: 9.864+/-0.487 χ^2/NDF:485.4/22

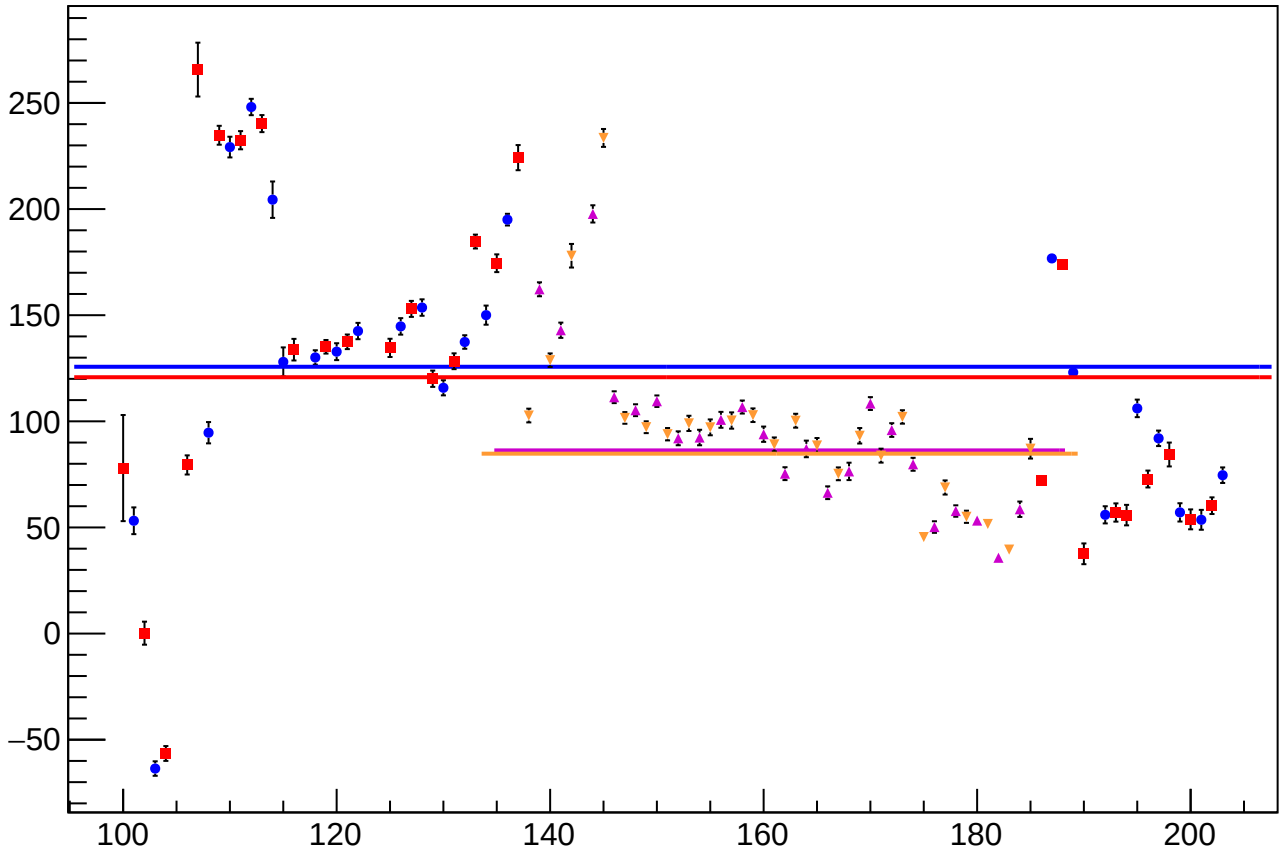
Left: 9.648+/-0.341 χ^2/NDF: 1222.1/46

Right: 25.263+/-0.527 χ^2/NDF: 1378.5/50

In: 14.417+/-0.413 χ^2/NDF:1544.4/46

Out: 14.094+/-0.398 χ^2/NDF:1674.0/50

All: 14.250+/-0.286 χ^2/NDF: 3218.7/97



Right In: 125.703+/-0.761 χ^2/NDF: 7118.6/23

Left Out: 84.759+/-0.629 χ^2/NDF:3110.5/23

Right Out: 120.776+/-0.632 χ^2/NDF: 10794.1/26

Left In: 86.300+/-0.632 χ^2/NDF:3152.8/22

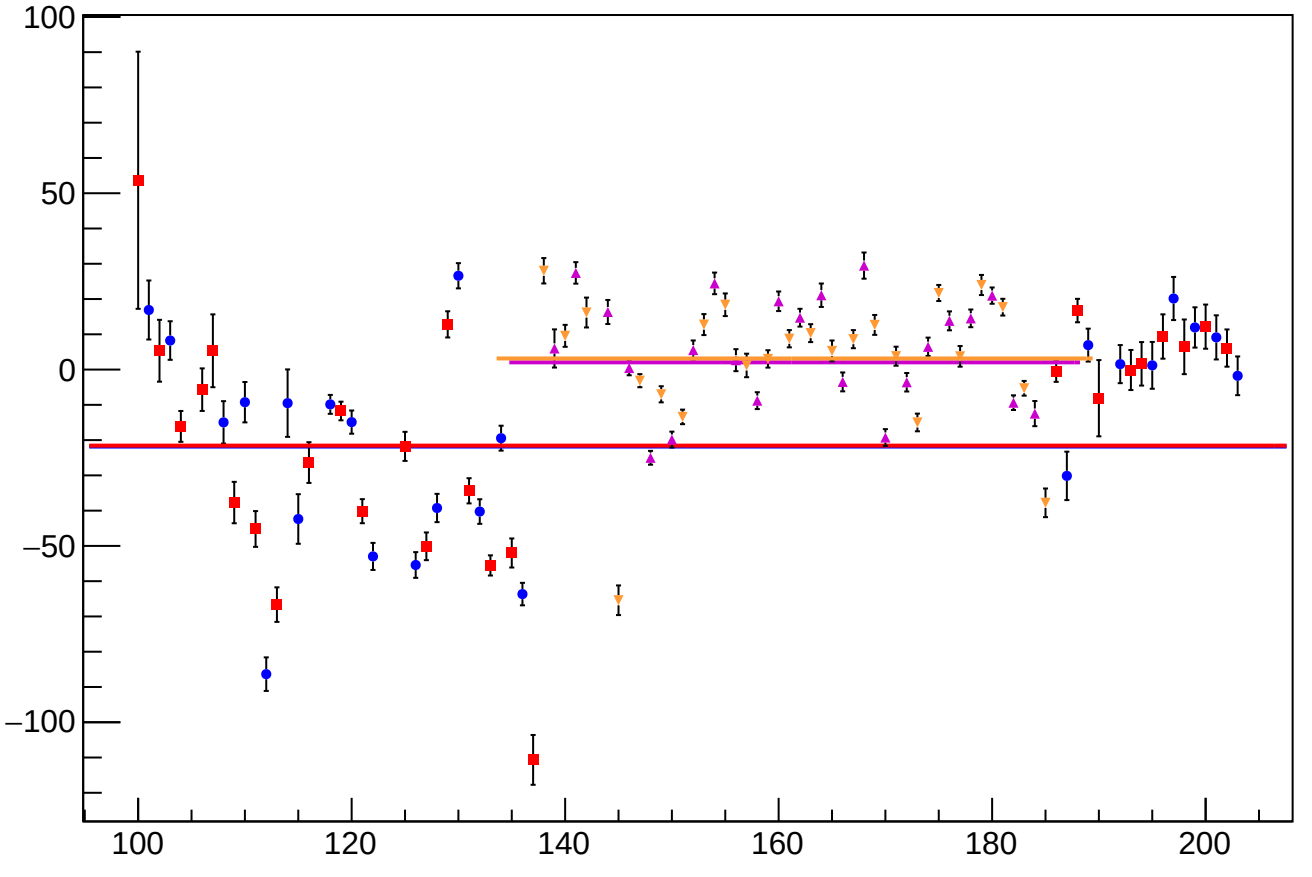
Left: 85.526+/-0.446 χ^2/NDF: 6266.2/46

Right: 122.789+/-0.486 χ^2/NDF: 17937.6/50

In: 102.387+/-0.486 χ^2/NDF:11859.3/46

Out: 102.683+/-0.446 χ^2/NDF:15535.6/50

All: 102.548+/-0.329 χ^2/NDF: 27395.1/97



Right In: -21.825+/-0.914 χ^2/NDF: 1019.8/23

Left Out: 3.151+/-0.544 χ^2/NDF:813.9/23

Right Out: -21.564+/-0.871 χ^2/NDF: 999.6/26

Left In: 2.050+/-0.551 χ^2/NDF:850.8/22

Left: 2.608+/-0.387 χ^2/NDF: 1666.7/46

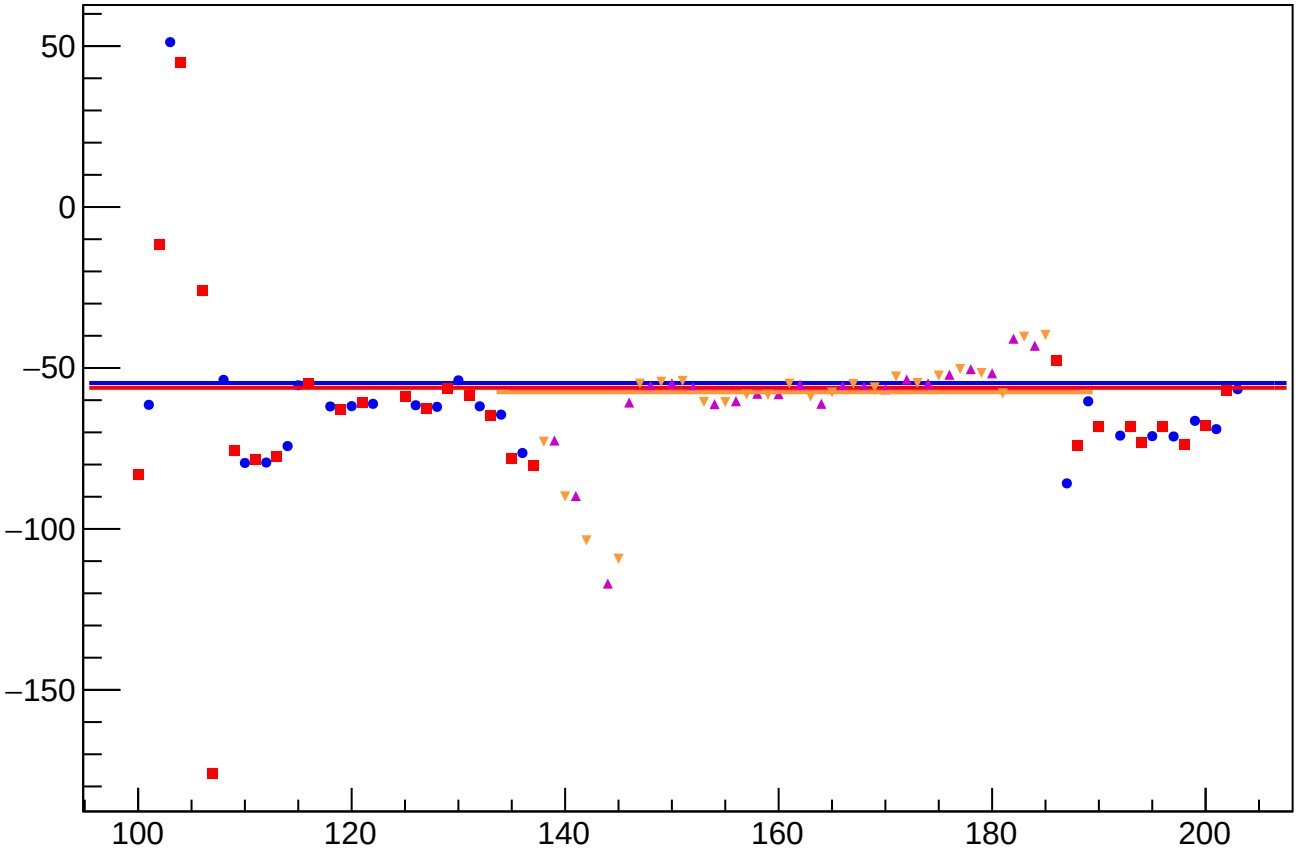
Right: -21.688+/-0.630 χ^2/NDF: 2019.4/50

In: -4.314+/-0.472 χ^2/NDF:2371.0/46

Out: -3.784+/-0.461 χ^2/NDF:2393.2/50

All: -4.043+/-0.330 χ^2/NDF: 4764.9/97

reg_asym_us_avg_at1lr_avg_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -54.665+/-0.045 χ^2/NDF: 641858.3/23

Left Out: -57.532+/-0.025 χ^2/NDF:267030.7/23

Right Out: -56.155+/-0.044 χ^2/NDF: 560904.4/26

Left In: -57.377+/-0.025 χ^2/NDF:227136.8/22

Left: -57.455+/-0.018 χ^2/NDF: 494187.3/46

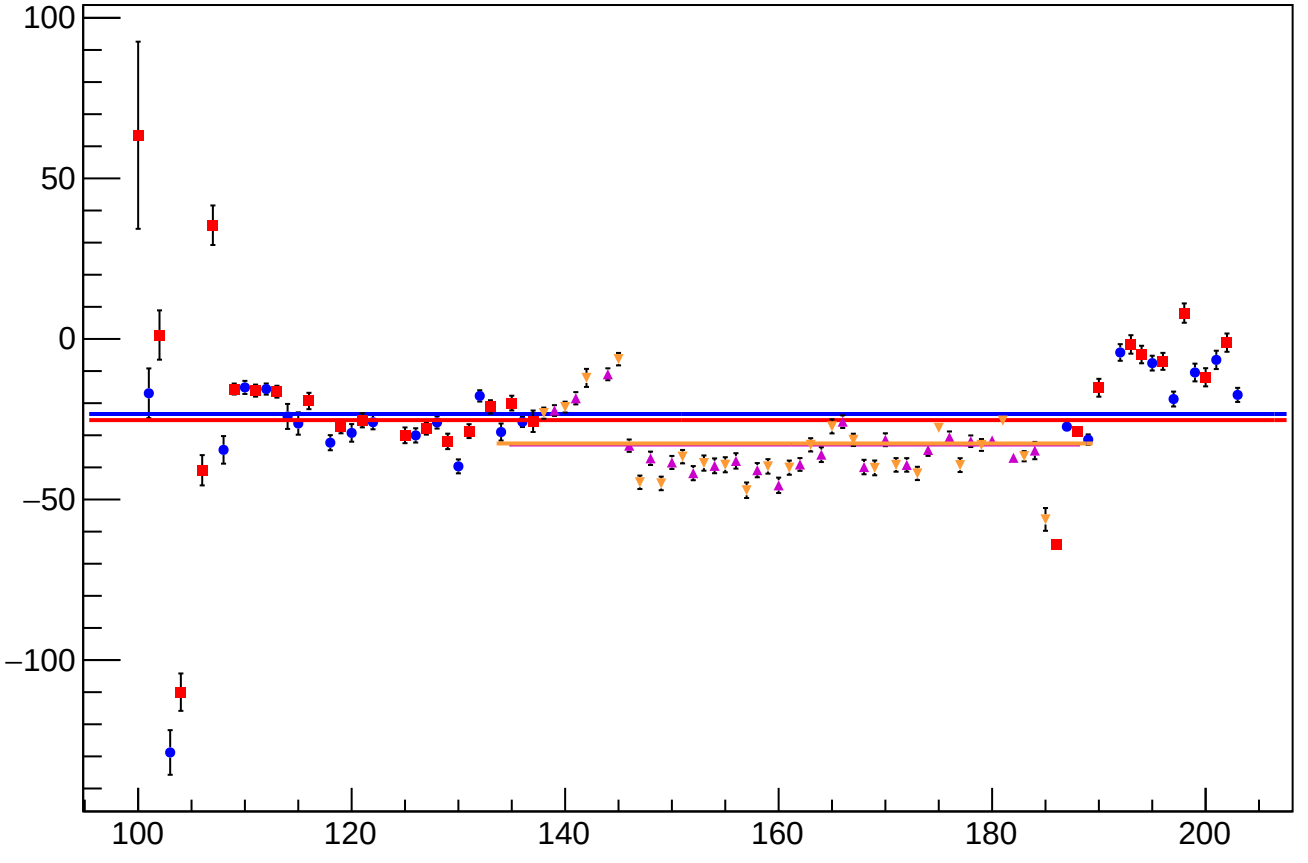
Right: -55.426+/-0.032 χ^2/NDF: 1203313.1/50

In: -56.755+/-0.022 χ^2/NDF:871746.5/46

Out: -57.206+/-0.022 χ^2/NDF:828667.5/50

All: -56.982+/-0.015 χ^2/NDF: 1700630.2/97

reg_asym_us_avg_at1lr_avg_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -23.372+/-0.460 χ^2/NDF: 580.7/23

Left Out: -32.549+/-0.407 χ^2/NDF:603.6/23

Right Out: -25.274+/-0.418 χ^2/NDF: 1615.6/26

Left In: -32.867+/-0.411 χ^2/NDF:373.2/22

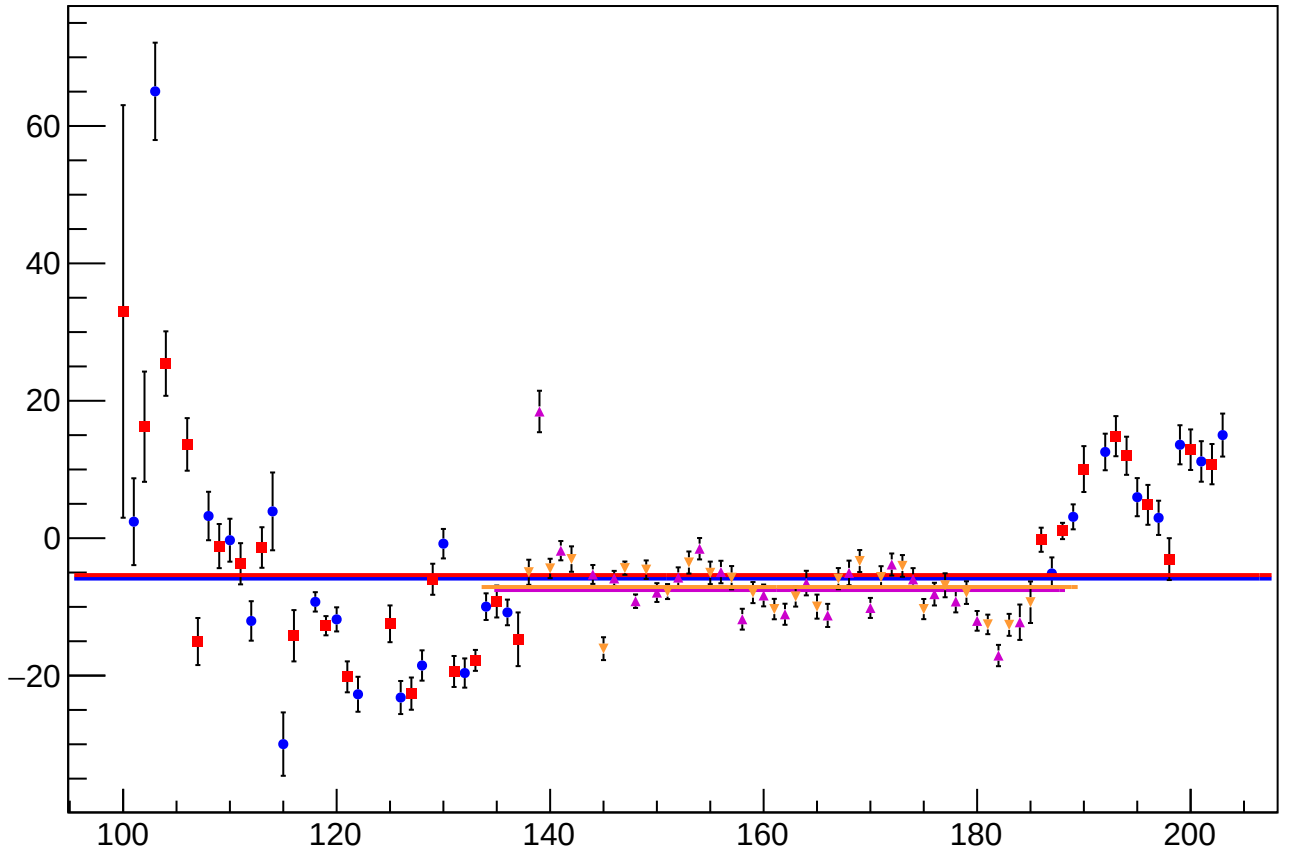
Left: -32.706+/-0.289 χ^2/NDF: 977.1/46

Right: -24.415+/-0.309 χ^2/NDF: 2205.7/50

In: -28.649+/-0.307 χ^2/NDF:1190.7/46

Out: -29.009+/-0.291 χ^2/NDF:2375.0/50

All: -28.839+/-0.211 χ^2/NDF: 3566.4/97



Right In: -5.877+/-0.498 χ^2/NDF: 579.2/23

Left Out: -7.110+/-0.309 χ^2/NDF:109.5/23

Right Out: -5.371+/-0.469 χ^2/NDF: 567.8/26

Left In: -7.547+/-0.315 χ^2/NDF:199.7/22

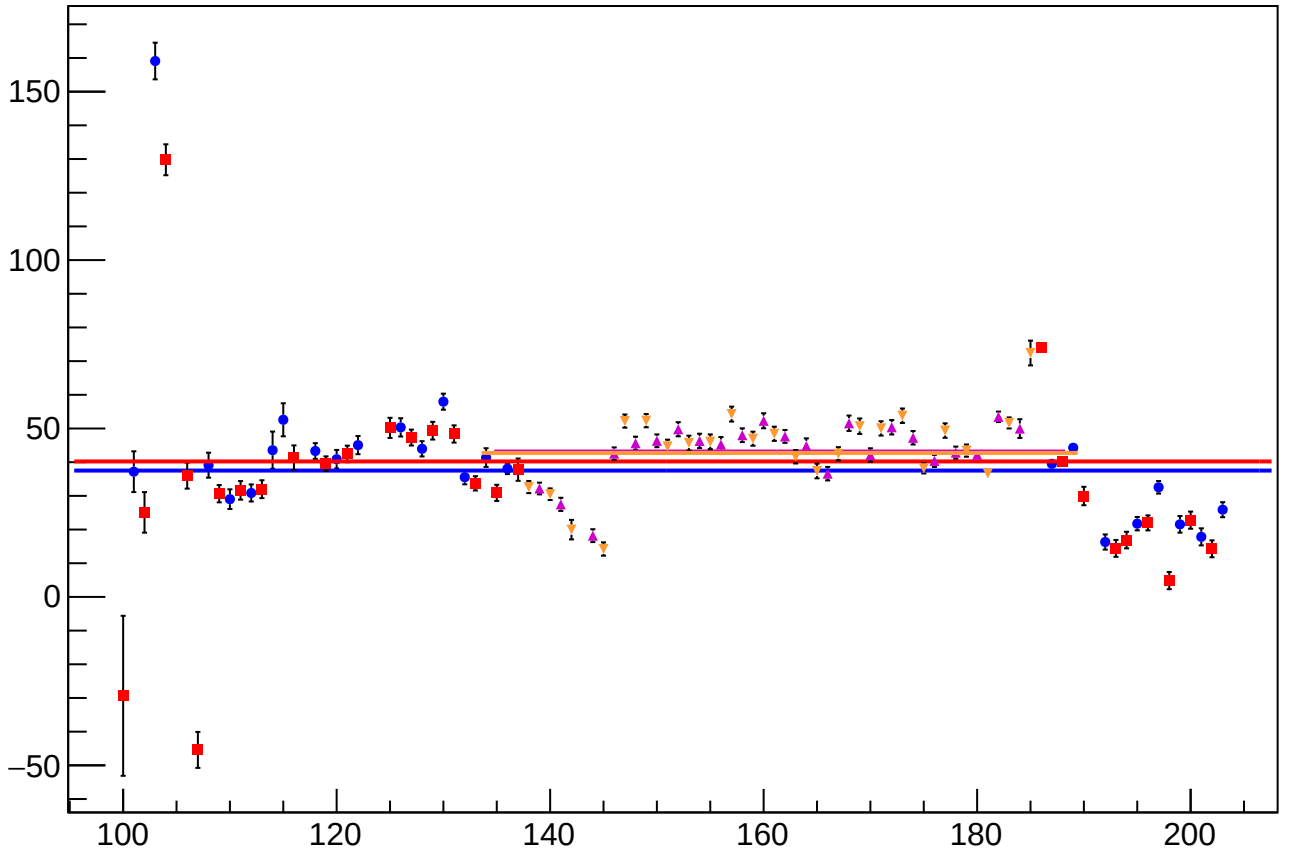
Left: -7.324+/-0.221 χ^2/NDF: 310.2/46

Right: -5.609+/-0.341 χ^2/NDF: 1147.6/50

In: -7.069+/-0.266 χ^2/NDF:786.9/46

Out: -6.583+/-0.258 χ^2/NDF:686.9/50

All: -6.819+/-0.185 χ^2/NDF: 1475.6/97



Right In: 37.509+/-0.461 χ^2/NDF: 962.6/23

Left Out: 42.745+/-0.403 χ^2/NDF:631.5/23

Right Out: 40.220+/-0.402 χ^2/NDF: 2276.7/26

Left In: 43.169+/-0.407 χ^2/NDF:413.0/22

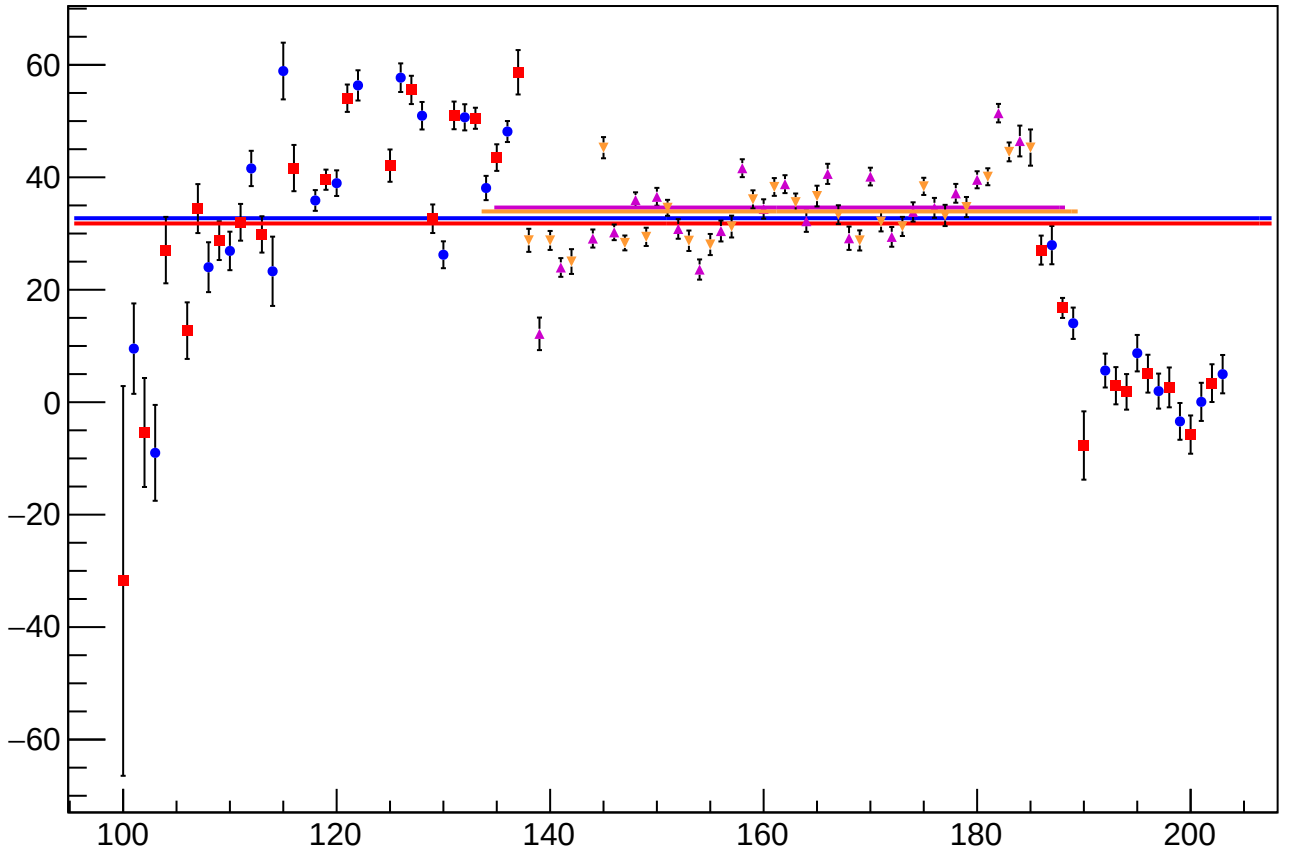
Left: 42.955+/-0.287 χ^2/NDF: 1045.1/46

Right: 39.050+/-0.303 χ^2/NDF: 3258.9/50

In: 40.689+/-0.305 χ^2/NDF:1460.3/46

Out: 41.477+/-0.285 χ^2/NDF:2927.9/50

All: 41.111+/-0.208 χ^2/NDF: 4391.7/97



Right In: 32.725+/-0.584 χ^2/NDF: 1017.9/23

Left Out: 33.930+/-0.351 χ^2/NDF:216.5/23

Right Out: 31.791+/-0.568 χ^2/NDF: 1083.2/26

Left In: 34.623+/-0.356 χ^2/NDF:376.1/22

Left: 34.271+/-0.250 χ^2/NDF: 594.5/46

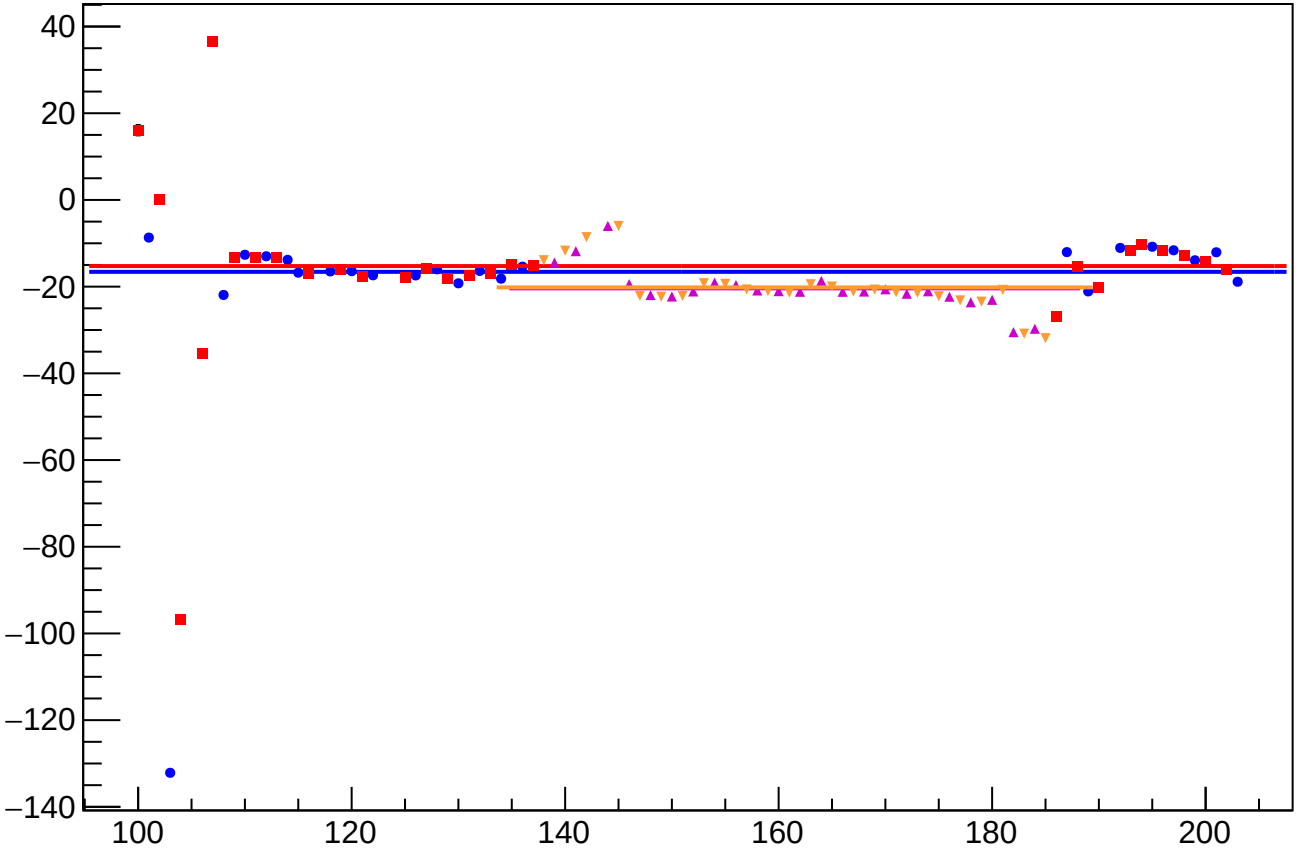
Right: 32.245+/-0.407 χ^2/NDF: 2102.4/50

In: 34.109+/-0.304 χ^2/NDF:1401.6/46

Out: 33.340+/-0.298 χ^2/NDF:1310.0/50

All: 33.717+/-0.213 χ^2/NDF: 2714.8/97

reg_asym_us_avg_at1lr_avg_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -16.585+/-0.028 χ^2/NDF: 268028.2/23

Left Out: -20.174+/-0.016 χ^2/NDF:99947.2/23

Right Out: -15.256+/-0.028 χ^2/NDF: 217352.2/26

Left In: -20.396+/-0.016 χ^2/NDF:81154.4/22

Left: -20.285+/-0.011 χ^2/NDF: 181200.8/46

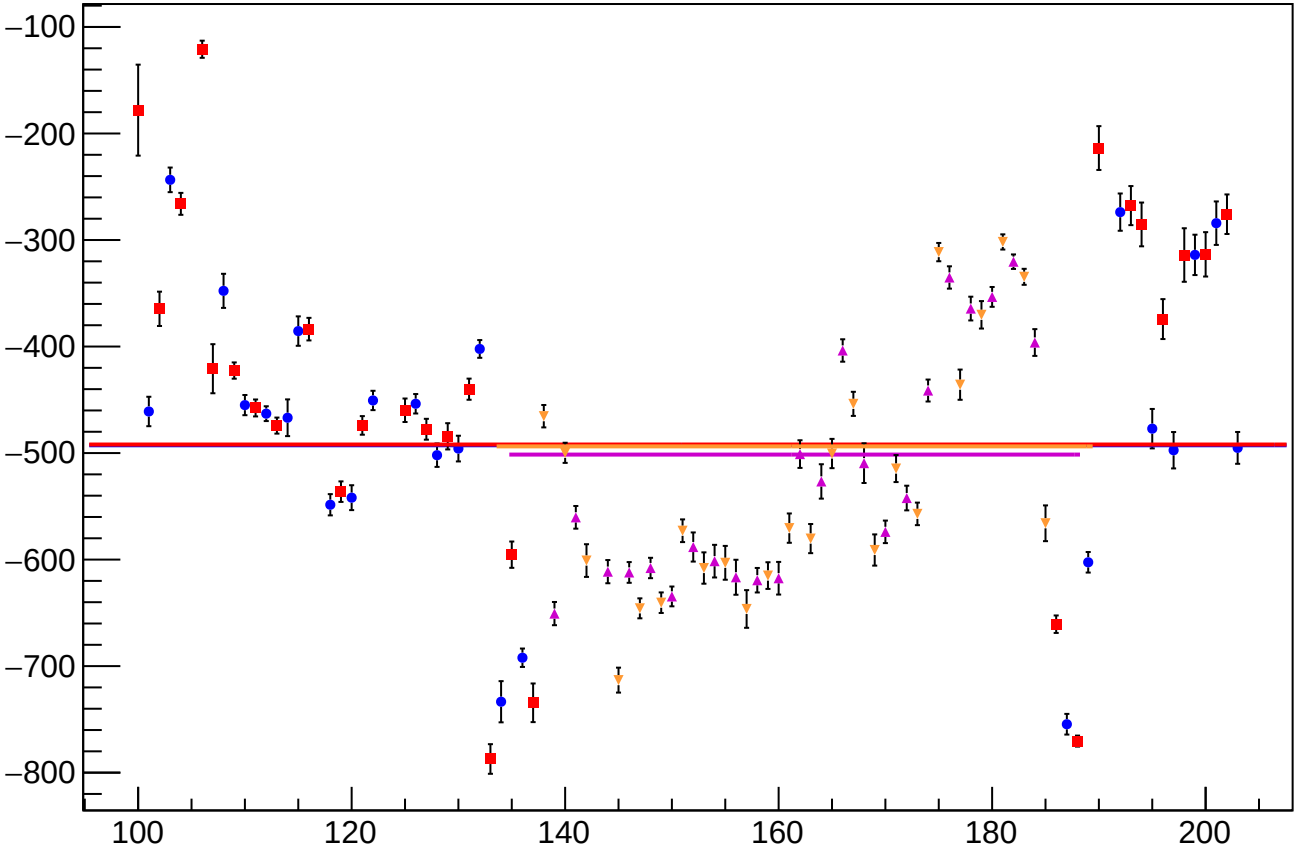
Right: -15.908+/-0.020 χ^2/NDF: 486496.7/50

In: -19.497+/-0.014 χ^2/NDF:362939.3/46

Out: -18.981+/-0.014 χ^2/NDF:340888.7/50

All: -19.238+/-0.010 χ^2/NDF: 704531.8/97

reg_asym_us_avg_at2lr_avg_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -492.686+/-2.326 χ^2/NDF: 2753.1/23

Left Out: -493.722+/-2.295 χ^2/NDF:3150.0/23

Right Out: -491.980+/-2.065 χ^2/NDF: 7769.7/26

Left In: -501.425+/-2.306 χ^2/NDF:2689.3/22

Left: -497.555+/-1.627 χ^2/NDF: 5844.9/46

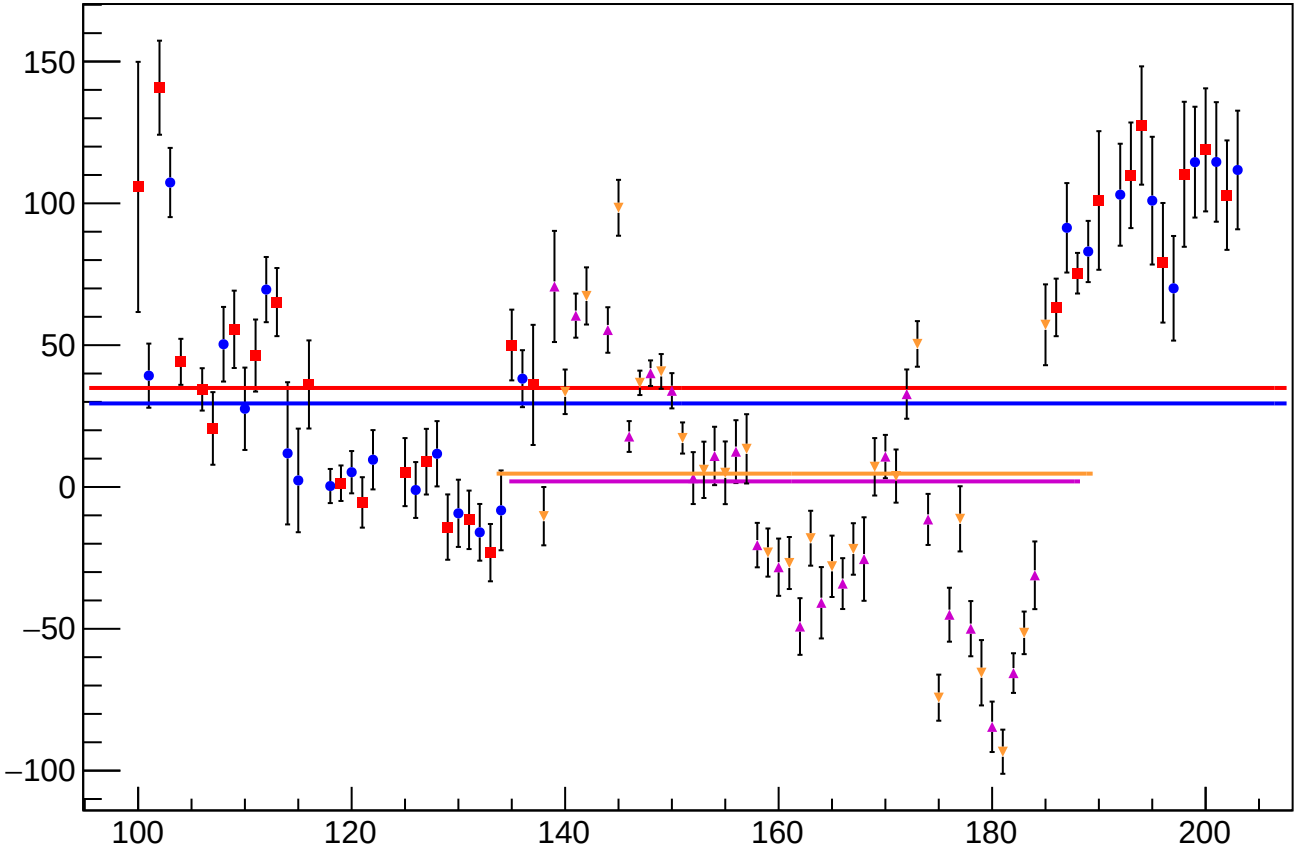
Right: -492.291+/-1.544 χ^2/NDF: 10522.8/50

In: -497.092+/-1.638 χ^2/NDF:5449.5/46

Out: -492.760+/-1.535 χ^2/NDF:10920.0/50

All: -494.786+/-1.120 χ^2/NDF: 16373.2/97

reg_asym_us_avg_at2lr_avg_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 29.459+/-2.427 χ^2/NDF: 270.3/23

Left Out: 4.709+/-1.696 χ^2/NDF:680.3/23

Right Out: 34.911+/-2.243 χ^2/NDF: 312.3/26

Left In: 1.970+/-1.722 χ^2/NDF:560.8/22

Left: 3.360+/-1.208 χ^2/NDF: 1242.4/46

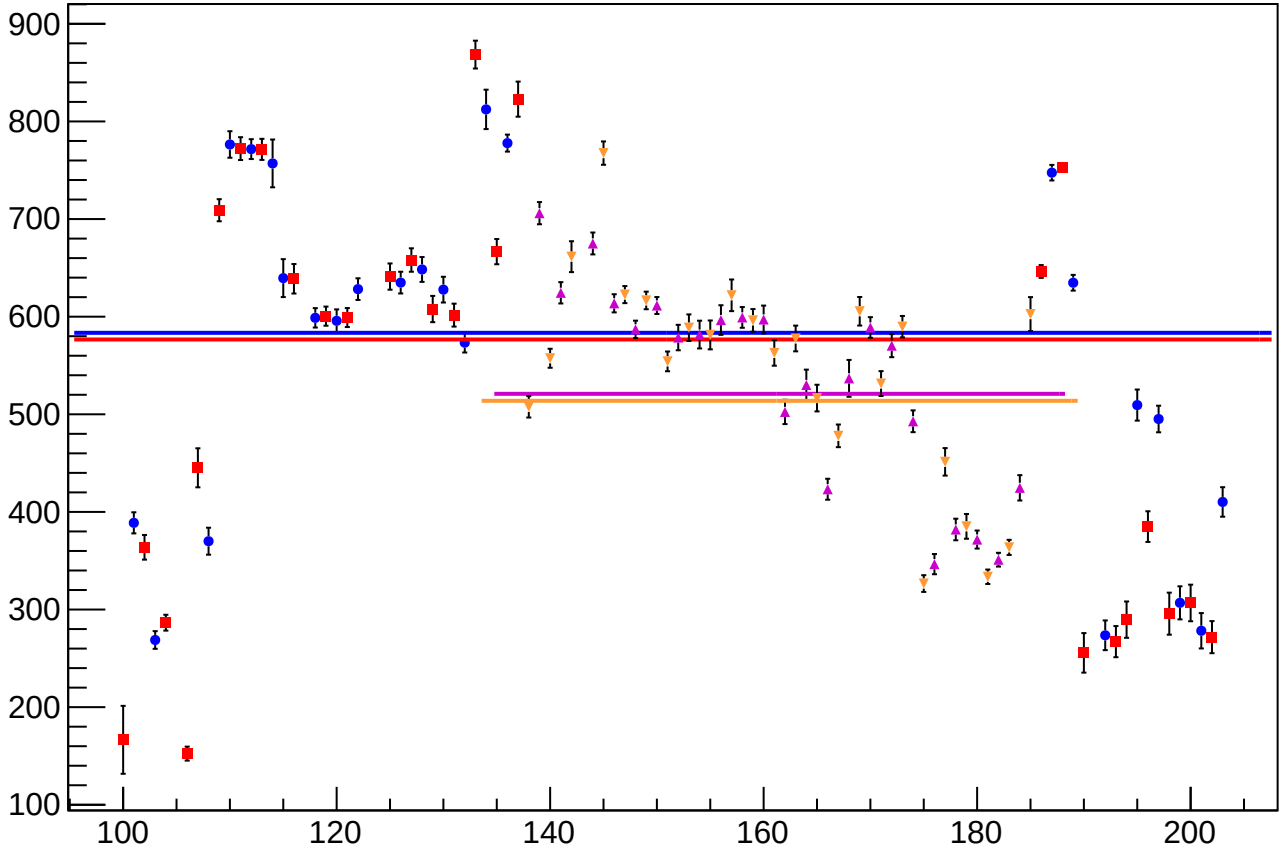
Right: 32.399+/-1.648 χ^2/NDF: 585.3/50

In: 11.172+/-1.404 χ^2/NDF:916.4/46

Out: 15.689+/-1.353 χ^2/NDF:1107.9/50

All: 13.515+/-0.974 χ^2/NDF: 2029.7/97

reg_asym_us_avg_at2lr_avg_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 583.478+/-2.410 χ^2/NDF: 4699.7/23

Left Out: 513.833+/-2.277 χ^2/NDF:2735.5/23

Right Out: 576.643+/-2.058 χ^2/NDF: 10401.6/26

Left In: 520.990+/-2.283 χ^2/NDF:2442.8/22

Left: 517.401+/-1.612 χ^2/NDF: 5183.2/46

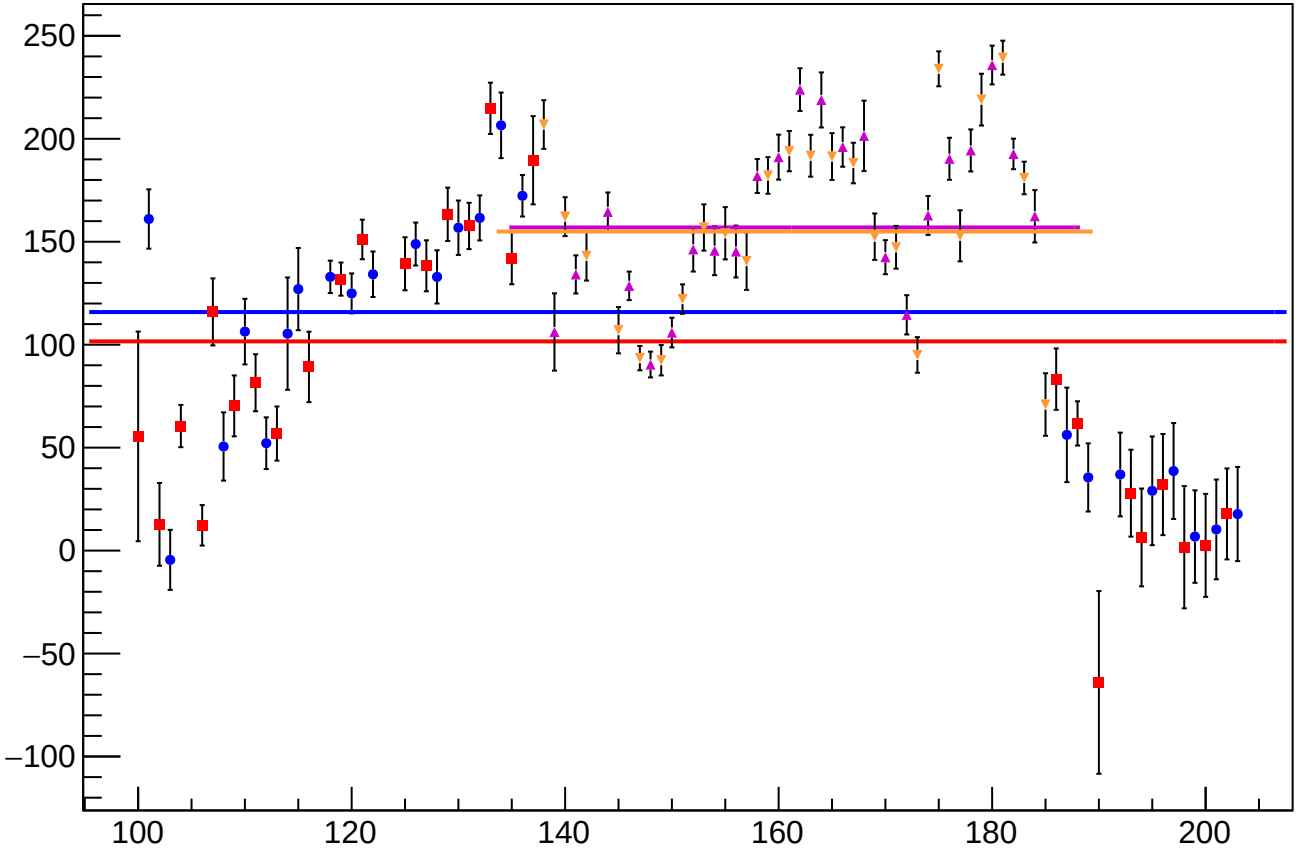
Right: 579.525+/-1.565 χ^2/NDF: 15106.0/50

In: 550.546+/-1.658 χ^2/NDF:7496.8/46

Out: 548.402+/-1.527 χ^2/NDF:13556.0/50

All: 549.386+/-1.123 χ^2/NDF: 21053.7/97

reg_asym_us_avg_at2lr_avg_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 115.850+/-2.861 χ^2/NDF: 359.2/23

Left Out: 154.944+/-1.953 χ^2/NDF:609.0/23

Right Out: 101.608+/-2.701 χ^2/NDF: 460.3/26

Left In: 156.934+/-1.971 χ^2/NDF:443.2/22

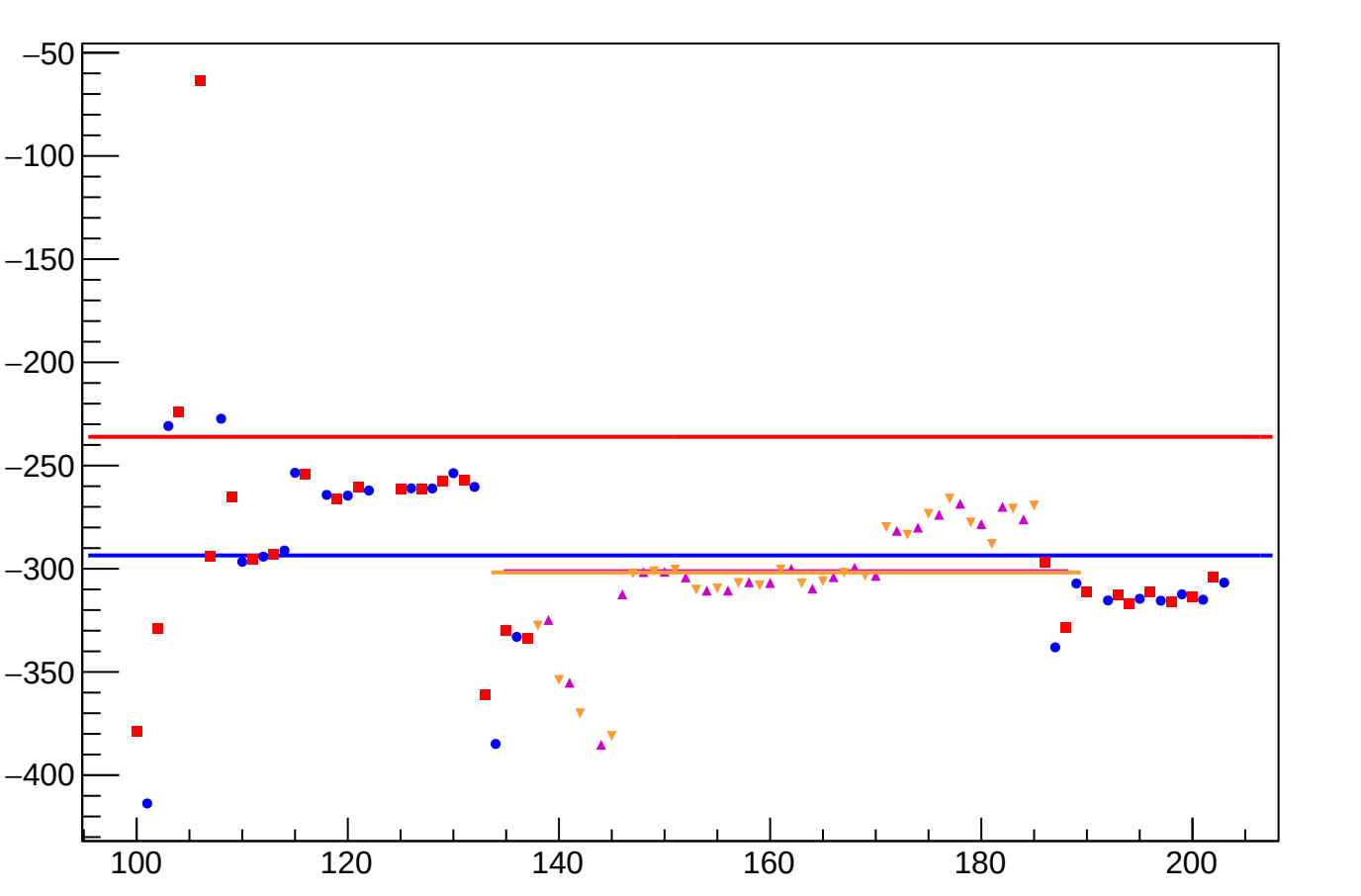
Left: 155.930+/-1.387 χ^2/NDF: 1052.7/46

Right: 108.322+/-1.964 χ^2/NDF: 832.6/50

In: 143.707+/-1.623 χ^2/NDF:942.2/46

Out: 136.636+/-1.583 χ^2/NDF:1325.3/50

All: 140.082+/-1.133 χ^2/NDF: 2277.2/97



Right In: -293.549+/-0.148 χ^2/NDF: 112986.1/23

Left Out: -301.785+/-0.091 χ^2/NDF:86719.4/23

Right Out: -236.065+/-0.128 χ^2/NDF: 673070.7/26

Left In: -301.176+/-0.090 χ^2/NDF:75325.3/22

Left: -301.478+/-0.064 χ^2/NDF: 162067.4/46

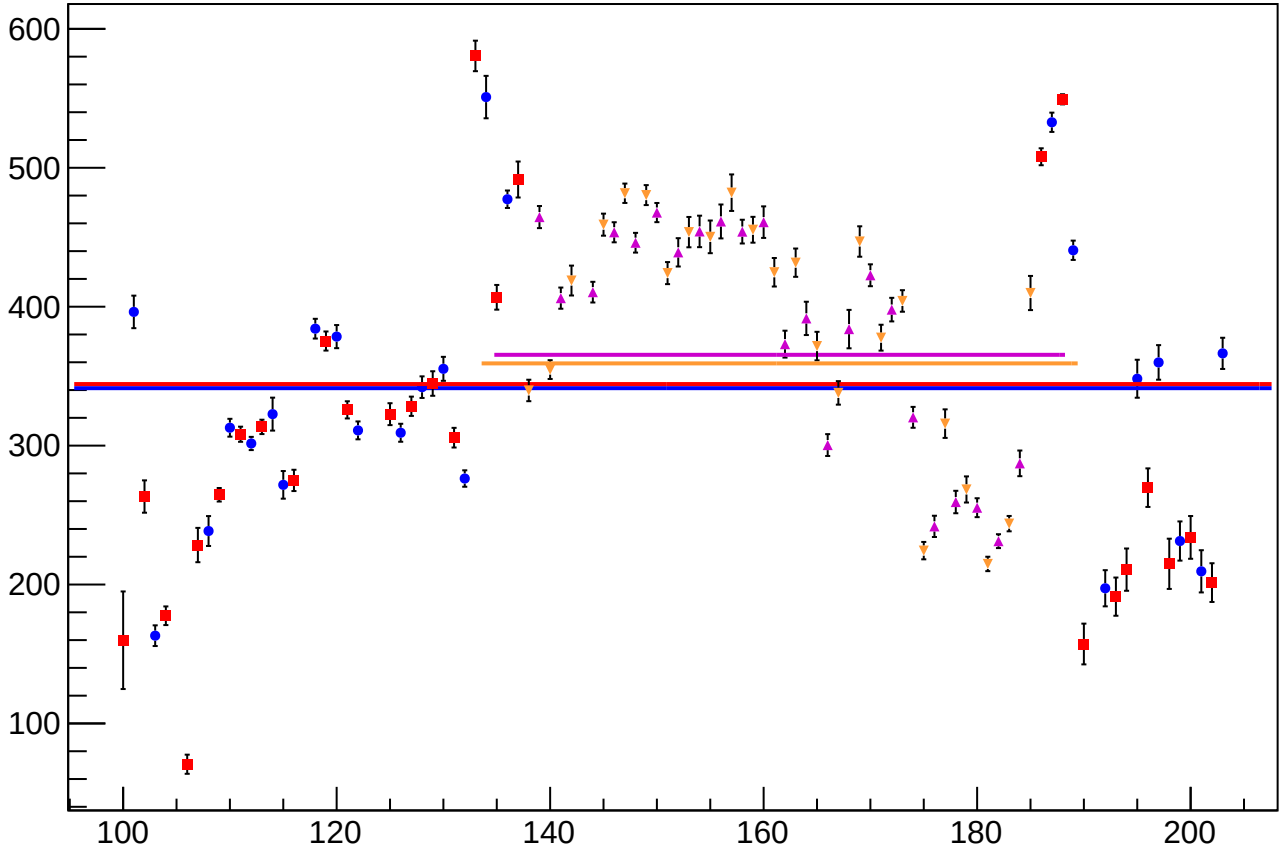
Right: -260.517+/-0.097 χ^2/NDF: 872418.8/50

In: -299.122+/-0.077 χ^2/NDF:190244.4/46

Out: -279.691+/-0.074 χ^2/NDF:935948.1/50

All: -289.023+/-0.053 χ^2/NDF: 1159332.4/97

reg_asym_us_avg_at2lr_avg_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 341.352+/-1.652 χ^2/NDF: 2941.6/23

Left Out: 359.188+/-1.681 χ^2/NDF:3187.9/23

Right Out: 344.314+/-1.465 χ^2/NDF: 7977.3/26

Left In: 365.362+/-1.692 χ^2/NDF:2739.5/22

Left: 362.254+/-1.193 χ^2/NDF: 5934.1/46

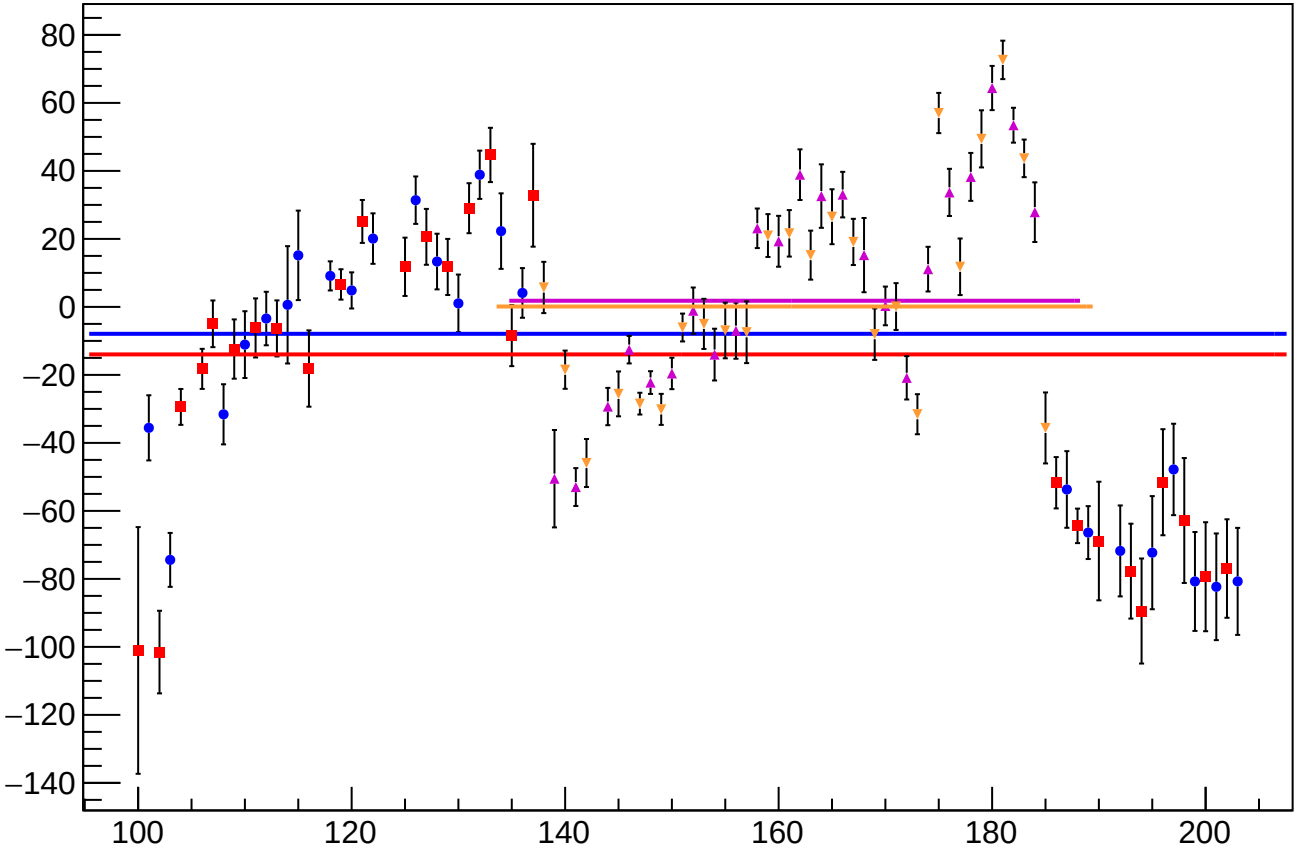
Right: 343.010+/-1.096 χ^2/NDF: 10920.7/50

In: 353.065+/-1.182 χ^2/NDF:5784.2/46

Out: 350.732+/-1.104 χ^2/NDF:11209.7/50

All: 351.819+/-0.807 χ^2/NDF: 16995.9/97

reg_asym_us_avg_at2lr_avg_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -7.915+/-1.737 χ^2/NDF: 406.9/23

Left Out: 0.114+/-1.247 χ^2/NDF:637.9/23

Right Out: -13.973+/-1.588 χ^2/NDF: 491.4/26

Left In: 1.812+/-1.267 χ^2/NDF:577.0/22

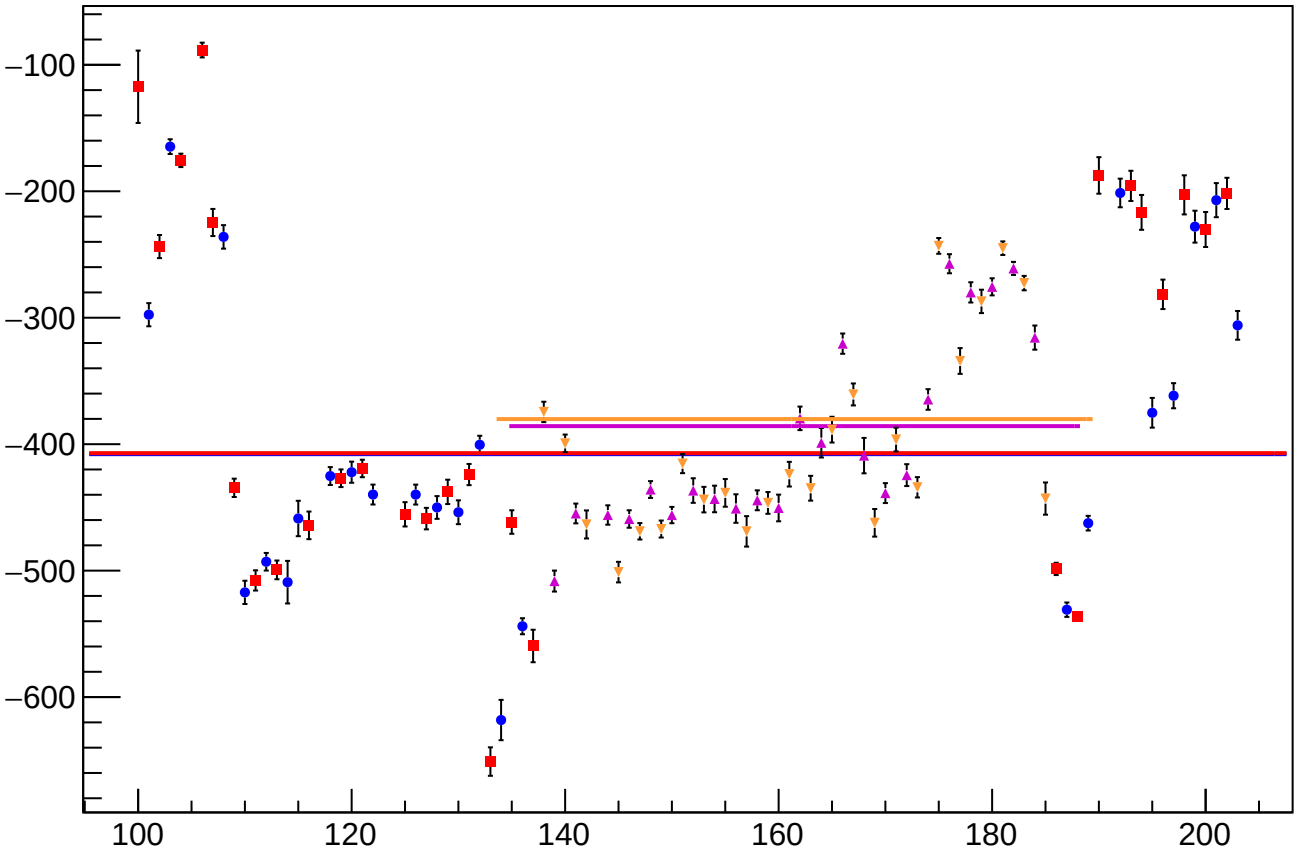
Left: 0.950+/-0.889 χ^2/NDF: 1215.9/46

Right: -11.215+/-1.172 χ^2/NDF: 904.9/50

In: -1.564+/-1.024 χ^2/NDF:1004.4/46

Out: -5.257+/-0.981 χ^2/NDF:1178.0/50

All: -3.490+/-0.708 χ^2/NDF: 2189.2/97



Right In: -407.889+/-1.721 χ^2/NDF: 4702.7/23

Left Out: -380.144+/-1.670 χ^2/NDF:2618.6/23

Right Out: -407.095+/-1.468 χ^2/NDF: 10472.5/26

Left In: -385.725+/-1.677 χ^2/NDF:2361.2/22

Left: -382.922+/-1.183 χ^2/NDF: 4985.4/46

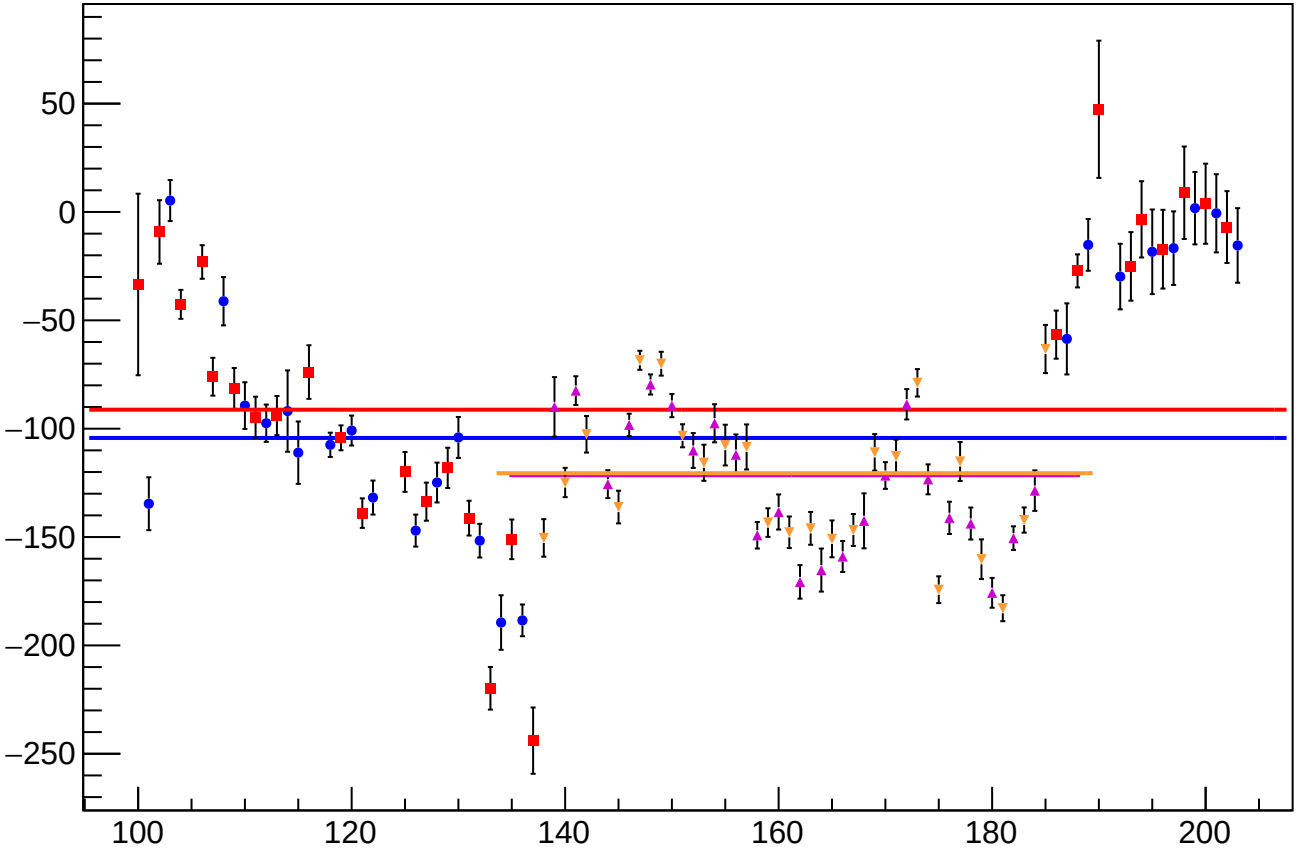
Right: -407.429+/-1.117 χ^2/NDF: 15175.3/50

In: -396.522+/-1.201 χ^2/NDF:7149.0/46

Out: -395.345+/-1.102 χ^2/NDF:13238.0/50

All: -395.883+/-0.812 χ^2/NDF: 20387.6/97

reg_asym_us_avg_at2lr_avg_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -104.275+/-2.046 χ^2/NDF: 675.0/23

Left Out: -120.541+/-1.435 χ^2/NDF:611.5/23

Right Out: -91.239+/-1.910 χ^2/NDF: 849.8/26

Left In: -121.453+/-1.450 χ^2/NDF:432.6/22

Left: -120.992+/-1.020 χ^2/NDF: 1044.3/46

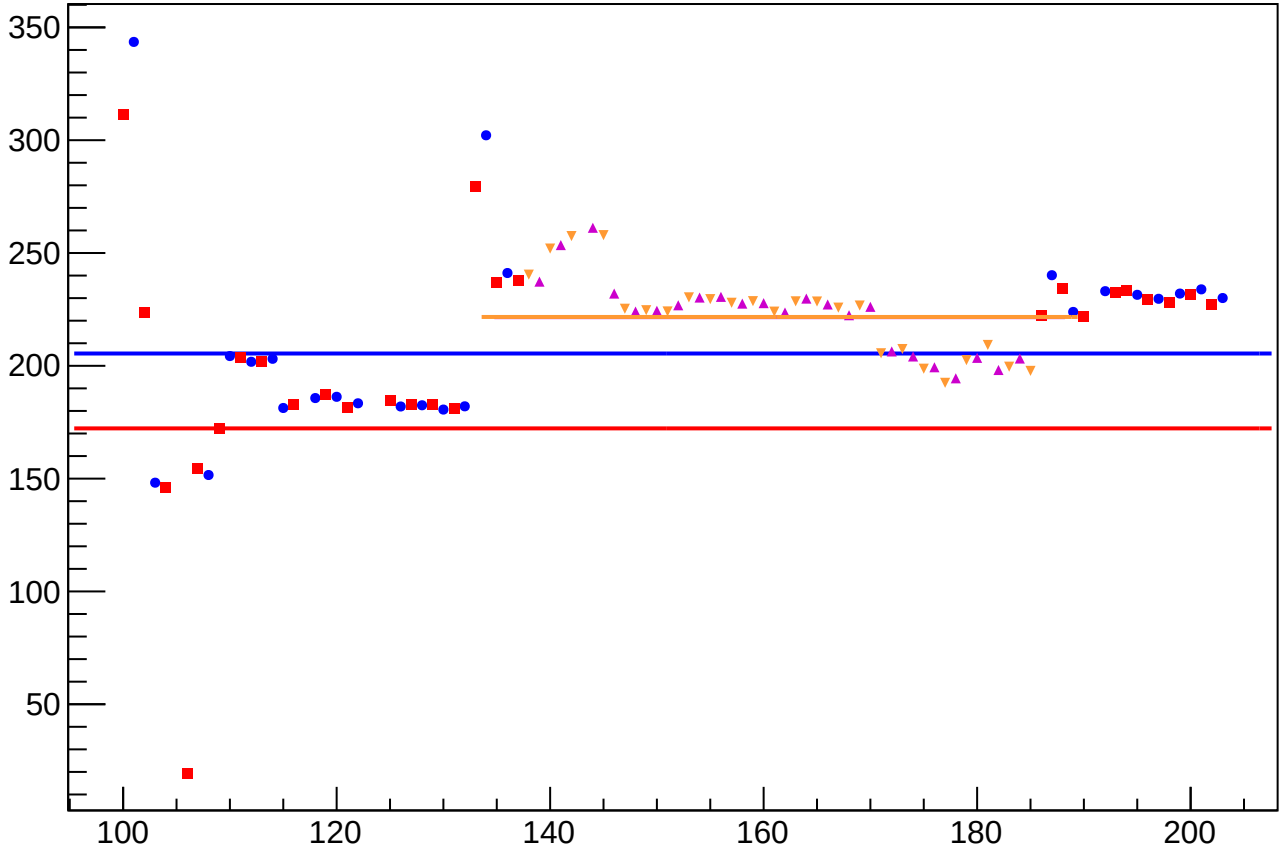
Right: -97.310+/-1.396 χ^2/NDF: 1546.5/50

In: -115.711+/-1.183 χ^2/NDF:1154.6/46

Out: -109.967+/-1.147 χ^2/NDF:1611.7/50

All: -112.752+/-0.824 χ^2/NDF: 2778.4/97

reg_asym_us_avg_at2lr_avg_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 205.454+/-0.106 χ^2/NDF: 200697.4/23

Left Out: 221.652+/-0.067 χ^2/NDF:67213.0/23

Right Out: 172.265+/-0.094 χ^2/NDF: 639637.6/26

Left In: 221.574+/-0.066 χ^2/NDF:62122.0/22

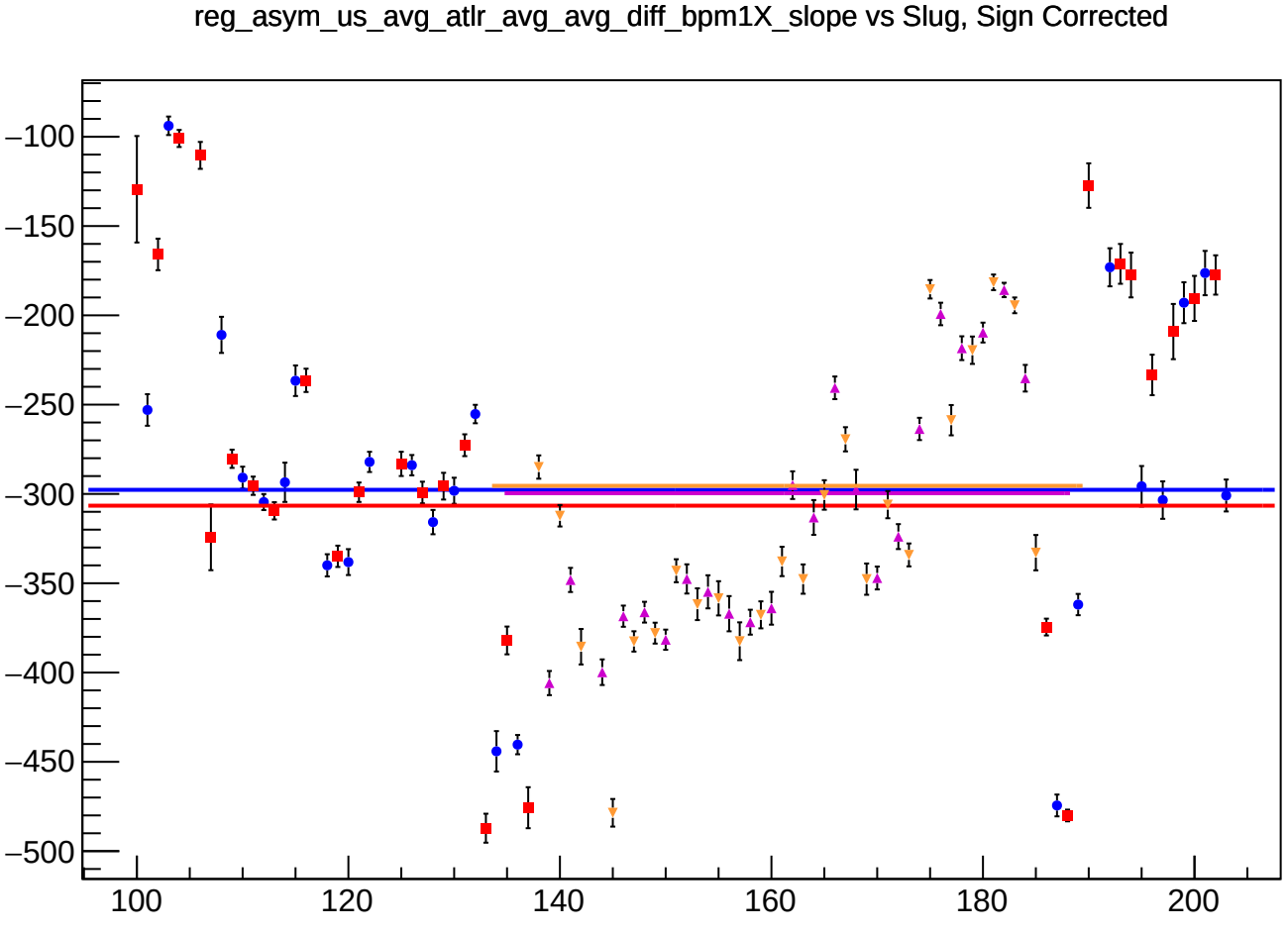
Left: 221.612+/-0.047 χ^2/NDF: 129335.7/46

Right: 186.971+/-0.070 χ^2/NDF: 895256.5/50

In: 217.030+/-0.056 χ^2/NDF:279524.5/46

Out: 205.184+/-0.054 χ^2/NDF:889788.7/50

All: 210.928+/-0.039 χ^2/NDF: 1192276.5/97



Right In: -297.700+/-1.425 χ^2/NDF: 4006.9/23

Left Out: -295.464+/-1.393 χ^2/NDF:3346.3/23

Right Out: -306.576+/-1.290 χ^2/NDF: 7613.2/26

Left In: -299.588+/-1.397 χ^2/NDF:2971.7/22

Left: -297.520+/-0.986 χ^2/NDF: 6322.4/46

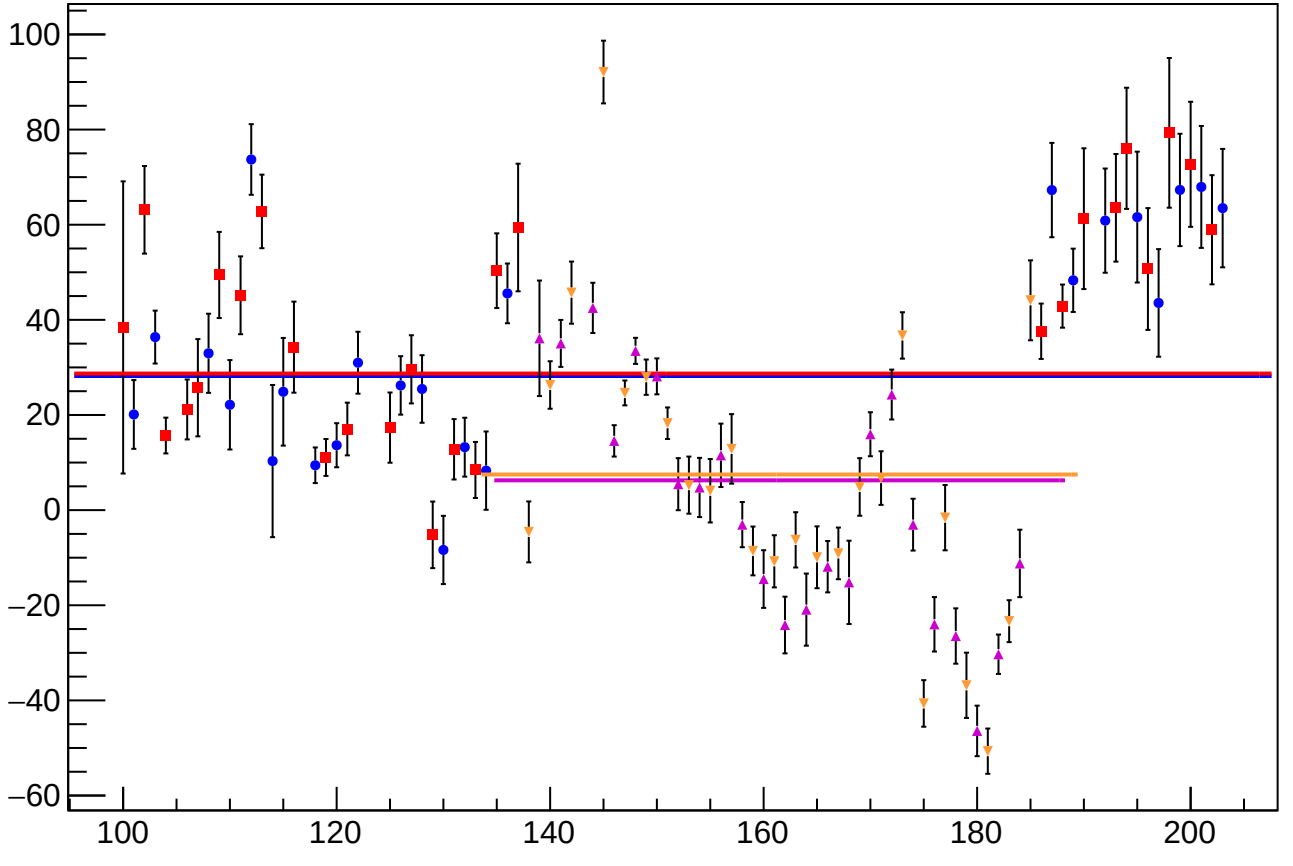
Right: -302.579+/-0.956 χ^2/NDF: 11641.4/50

In: -298.663+/-0.998 χ^2/NDF:6979.5/46

Out: -301.445+/-0.946 χ^2/NDF:10993.7/50

All: -300.127+/-0.687 χ^2/NDF: 17977.3/97

reg_asym_us_avg_atlr_avg_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 28.195+/-1.483 χ^2/NDF: 193.7/23

Left Out: 7.486+/-1.030 χ^2/NDF:738.5/23

Right Out: 28.711+/-1.379 χ^2/NDF: 210.3/26

Left In: 6.259+/-1.045 χ^2/NDF:559.4/22

Left: 6.881+/-0.733 χ^2/NDF: 1298.6/46

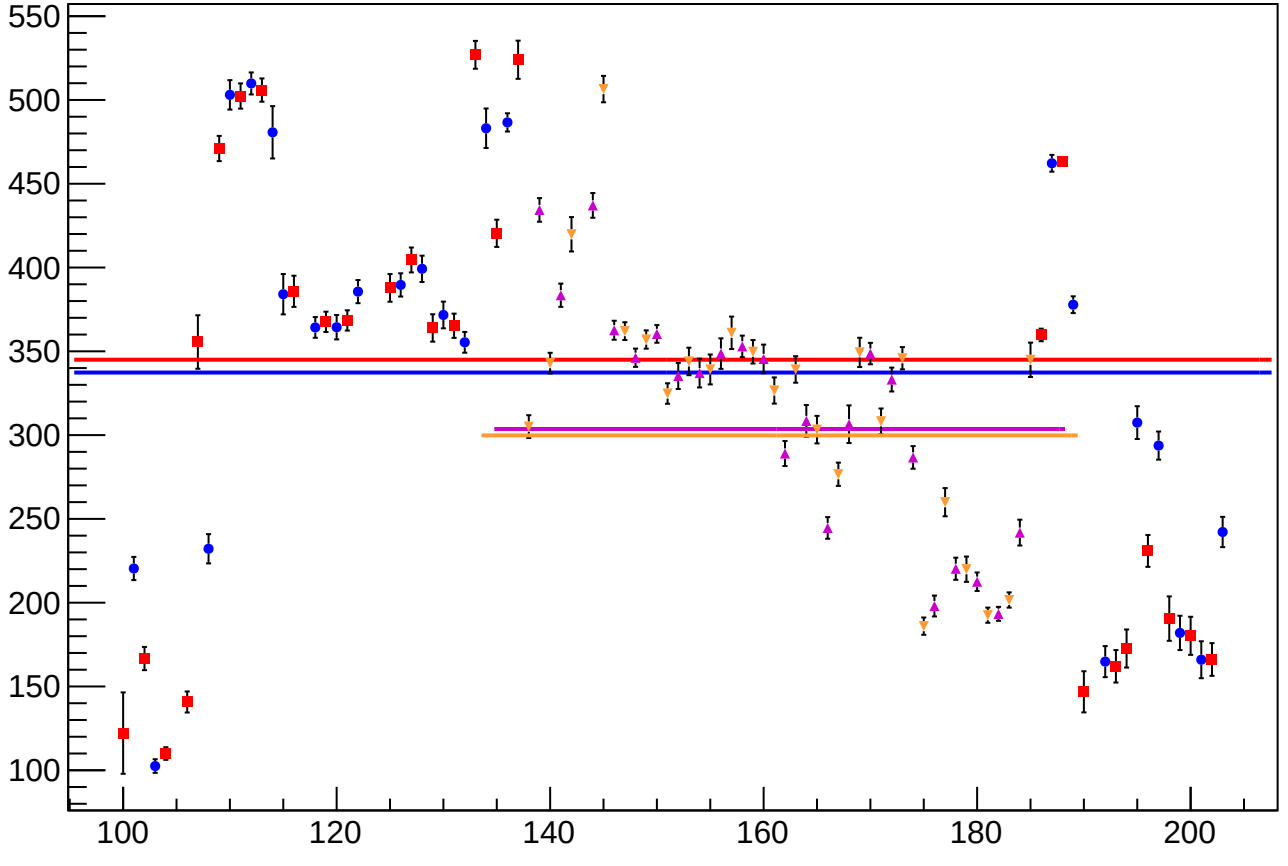
Right: 28.472+/-1.010 χ^2/NDF: 404.1/50

In: 13.536+/-0.854 χ^2/NDF:899.3/46

Out: 15.085+/-0.825 χ^2/NDF:1100.9/50

All: 14.337+/-0.593 χ^2/NDF: 2002.0/97

reg_asym_us_avg_atlr_avg_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 337.338+/-1.454 χ^2/NDF: 7694.1/23

Left Out: 299.825+/-1.381 χ^2/NDF:3076.1/23

Right Out: 344.996+/-1.267 χ^2/NDF: 11617.3/26

Left In: 303.652+/-1.383 χ^2/NDF:2872.6/22

Left: 301.736+/-0.977 χ^2/NDF: 5952.5/46

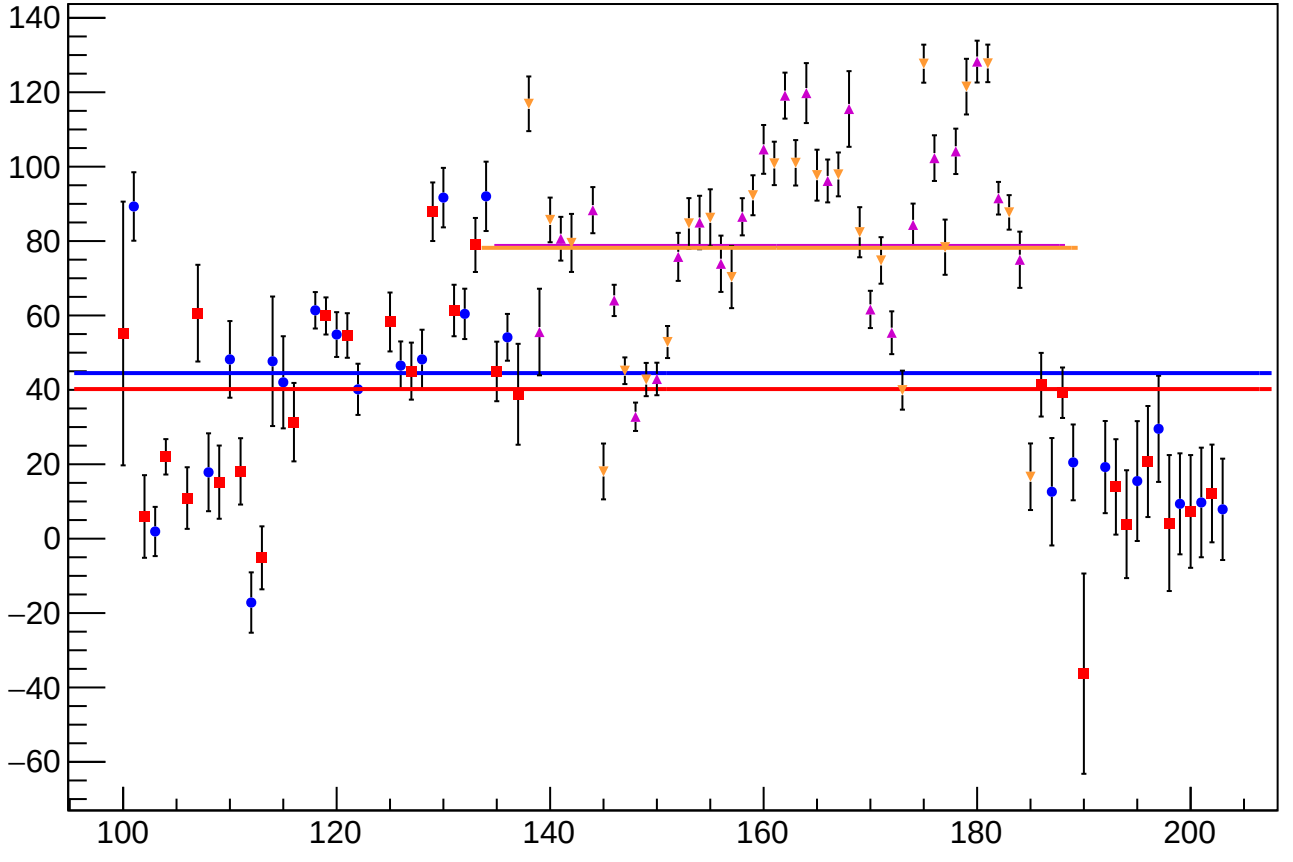
Right: 341.692+/-0.955 χ^2/NDF: 19327.2/50

In: 319.650+/-1.002 χ^2/NDF:10848.6/46

Out: 324.361+/-0.933 χ^2/NDF:15274.5/50

All: 322.172+/-0.683 χ^2/NDF: 26135.0/97

reg_asym_us_avg_atlr_avg_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 44.509+/-1.748 χ^2/NDF: 252.2/23

Left Out: 78.181+/-1.185 χ^2/NDF:663.3/23

Right Out: 40.215+/-1.661 χ^2/NDF: 216.4/26

Left In: 78.689+/-1.195 χ^2/NDF:488.6/22

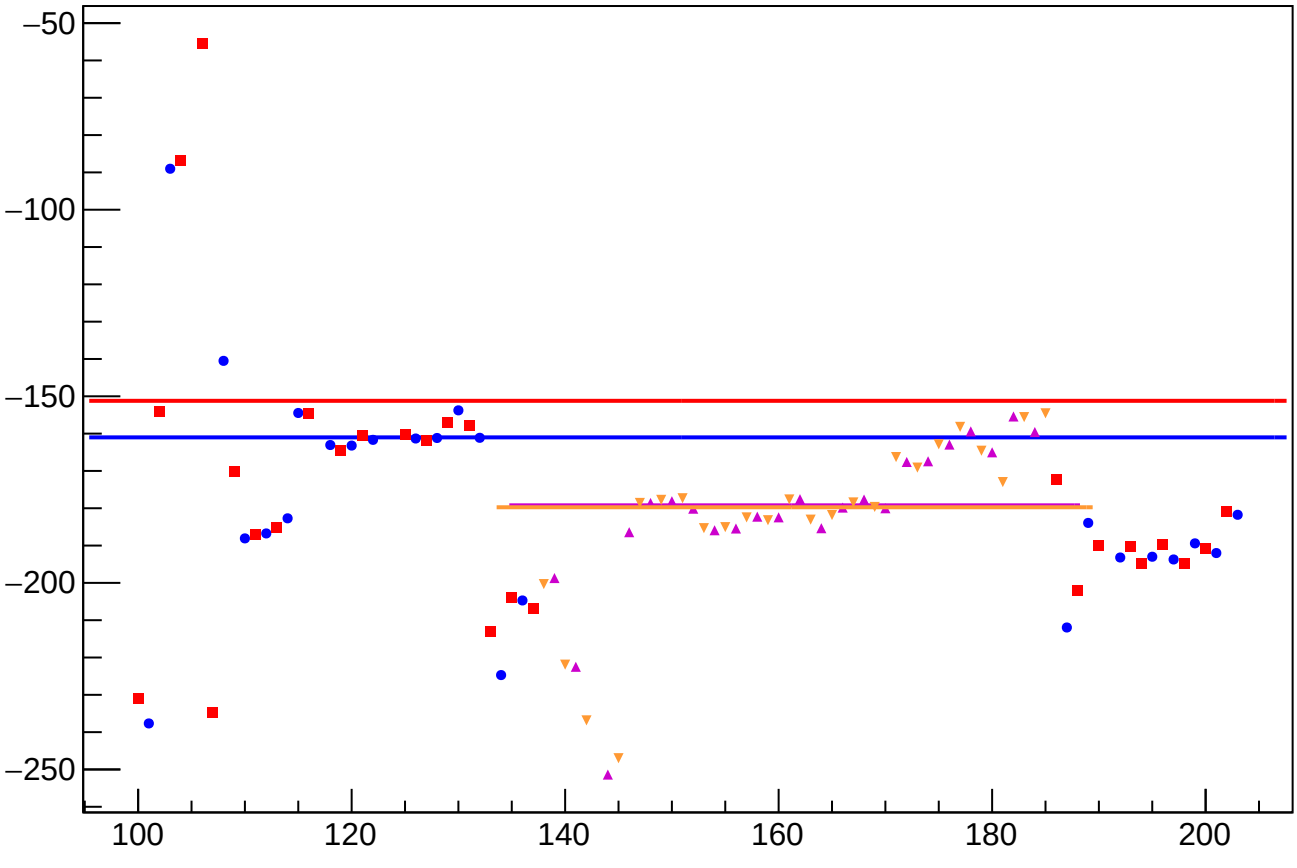
Left: 78.433+/-0.841 χ^2/NDF: 1152.0/46

Right: 42.252+/-1.204 χ^2/NDF: 471.8/50

In: 67.803+/-0.986 χ^2/NDF:1001.4/46

Out: 65.378+/-0.964 χ^2/NDF:1226.2/50

All: 66.563+/-0.690 χ^2/NDF: 2230.7/97



Right In: -161.007+/-0.086 χ^2/NDF: 303496.0/23

Left Out: -179.738+/-0.055 χ^2/NDF:132199.5/23

Right Out: -151.213+/-0.081 χ^2/NDF: 413770.3/26

Left In: -179.219+/-0.055 χ^2/NDF:113522.5/22

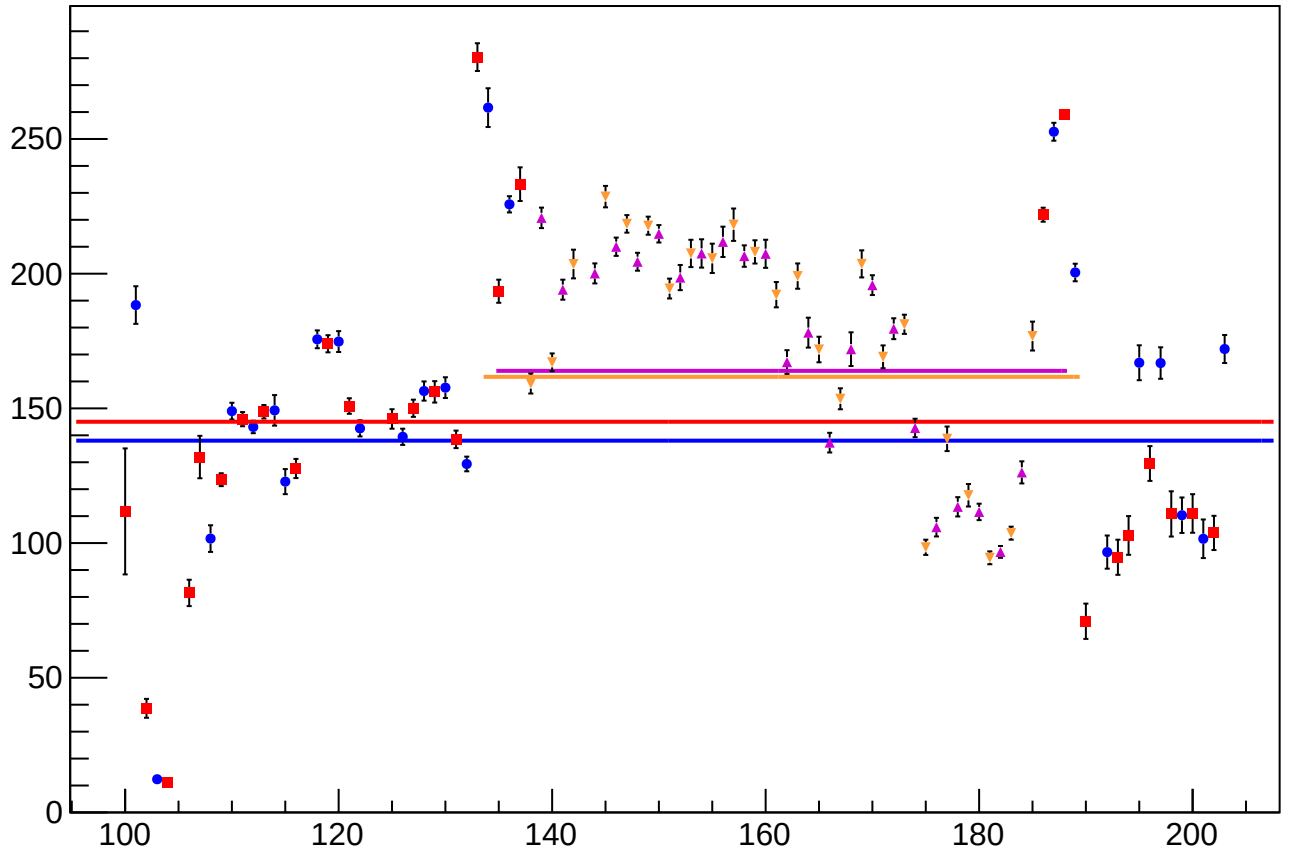
Left: -179.476+/-0.039 χ^2/NDF: 245767.0/46

Right: -155.857+/-0.059 χ^2/NDF: 724116.2/50

In: -173.983+/-0.046 χ^2/NDF:449108.4/46

Out: -170.811+/-0.046 χ^2/NDF:630153.0/50

All: -172.382+/-0.032 χ^2/NDF: 1081658.3/97



Right In: 138.016+/-0.732 χ^2/NDF: 8076.9/23

Left Out: 161.708+/-0.776 χ^2/NDF:3587.3/23

Right Out: 145.033+/-0.661 χ^2/NDF: 13095.8/26

Left In: 163.927+/-0.779 χ^2/NDF:3335.5/22

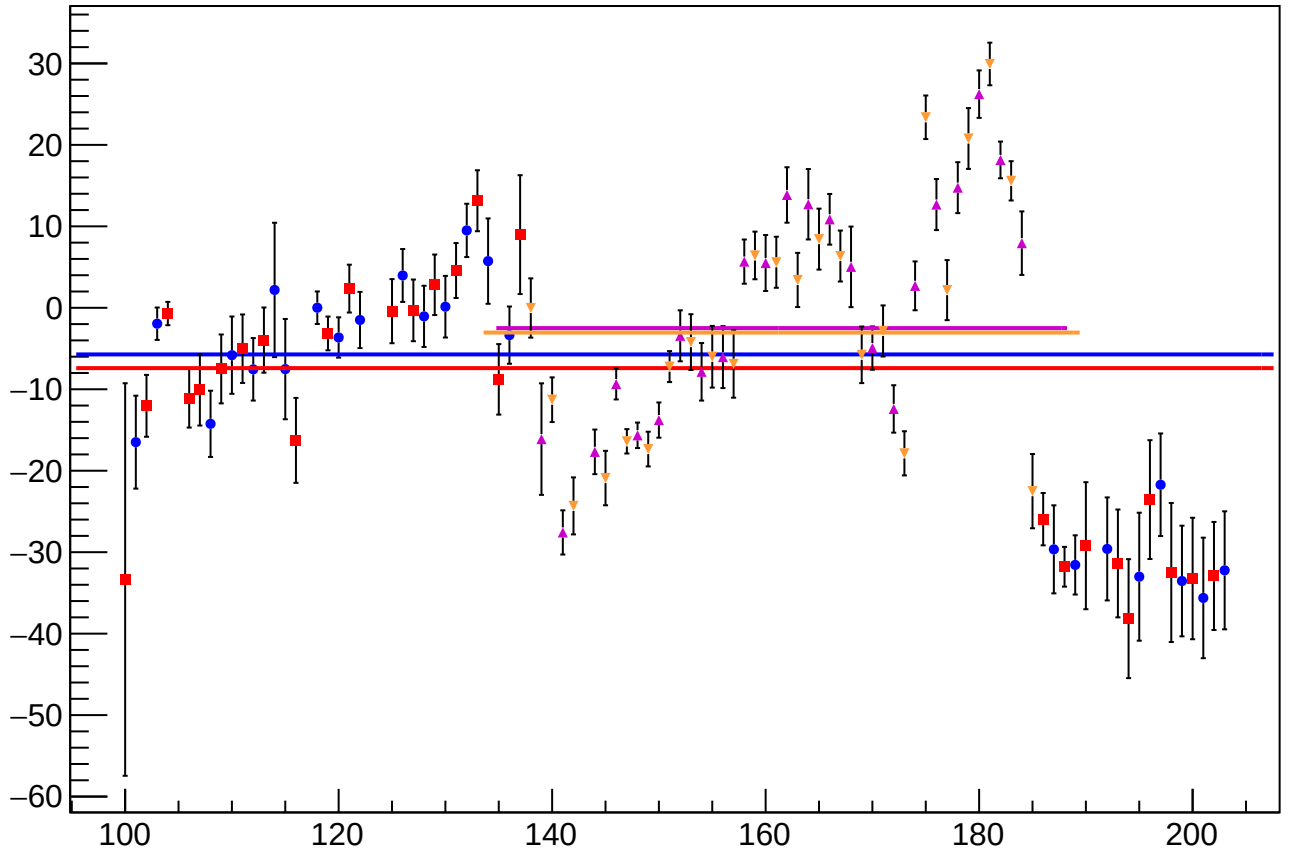
Left: 162.813+/-0.550 χ^2/NDF: 6926.9/46

Right: 141.882+/-0.491 χ^2/NDF: 21223.2/50

In: 150.168+/-0.534 χ^2/NDF:11999.5/46

Out: 152.045+/-0.503 χ^2/NDF:16950.5/50

All: 151.161+/-0.366 χ^2/NDF: 28956.6/97



Right In: -5.722+/-0.772 χ^2/NDF: 212.4/23

Left Out: -3.038+/-0.578 χ^2/NDF:654.5/23

Right Out: -7.404+/-0.693 χ^2/NDF: 319.4/26

Left In: -2.492+/-0.587 χ^2/NDF:562.9/22

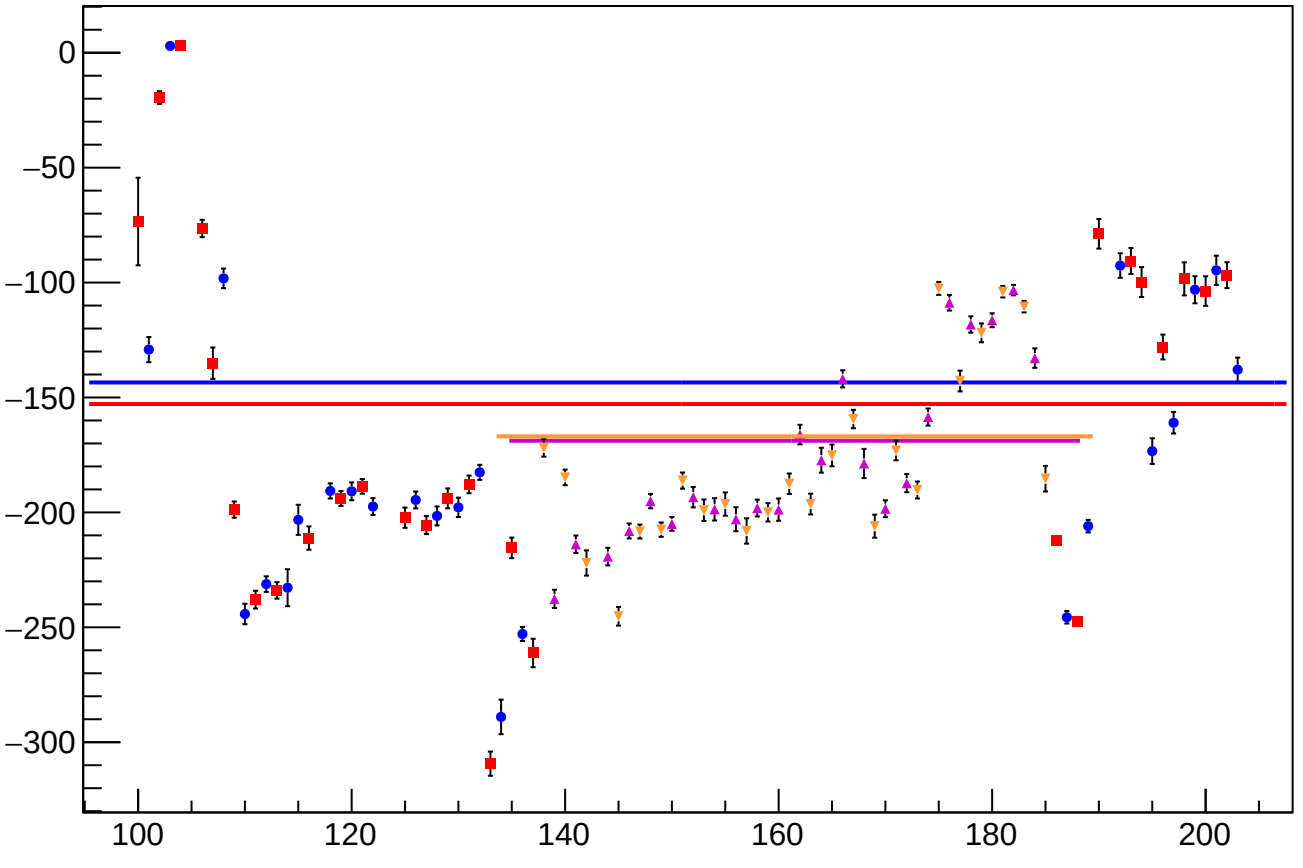
Left: -2.769+/-0.412 χ^2/NDF: 1217.8/46

Right: -6.654+/-0.516 χ^2/NDF: 534.4/50

In: -3.675+/-0.467 χ^2/NDF:786.3/46

Out: -4.830+/-0.444 χ^2/NDF:997.3/50

All: -4.282+/-0.322 χ^2/NDF: 1786.9/97



Right In: -143.461+/-0.732 χ^2/NDF: 17123.0/23

Left Out: -166.912+/-0.771 χ^2/NDF:3096.2/23

Right Out: -152.846+/-0.641 χ^2/NDF: 23746.3/26

Left In: -168.810+/-0.772 χ^2/NDF:3059.5/22

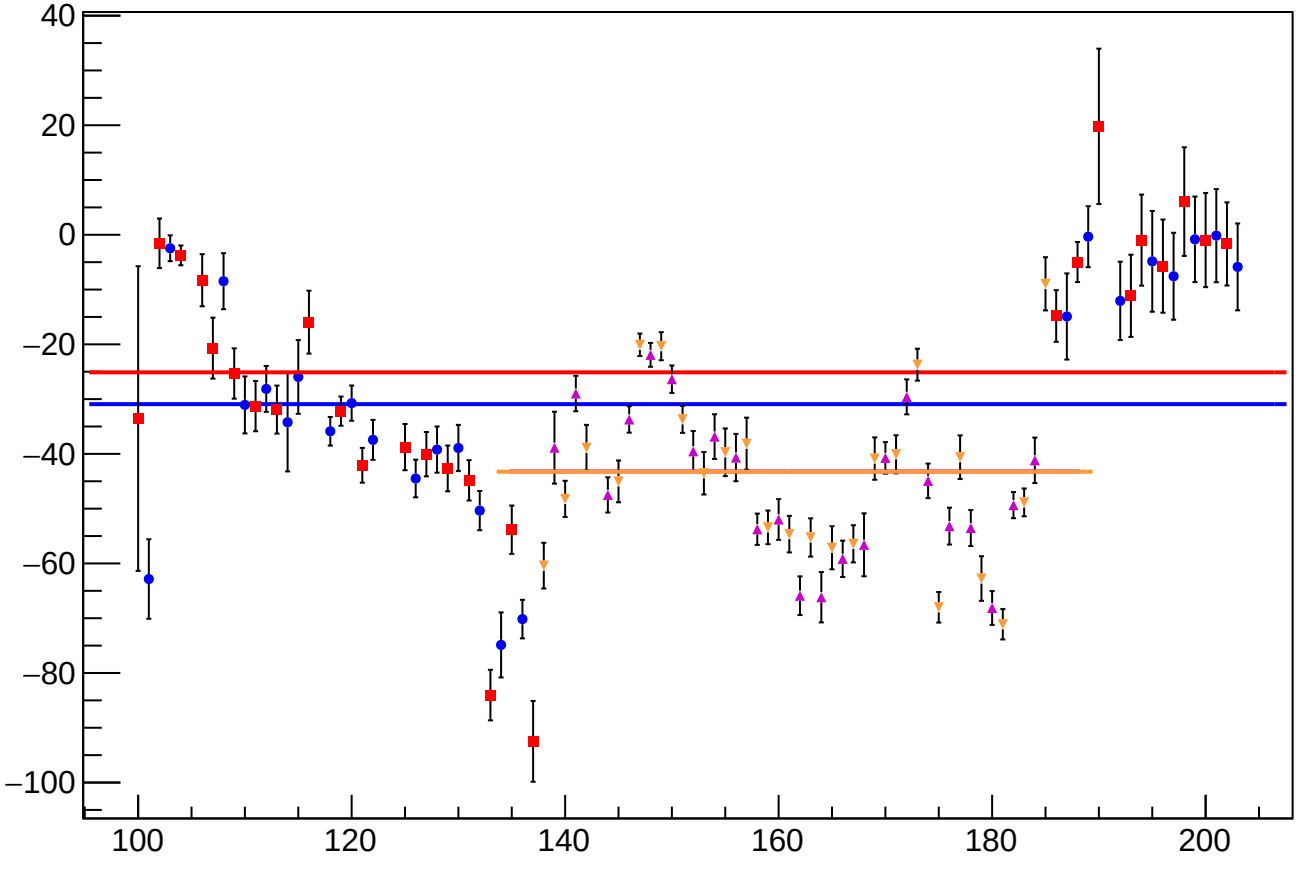
Left: -167.859+/-0.546 χ^2/NDF: 6158.8/46

Right: -148.773+/-0.482 χ^2/NDF: 40962.4/50

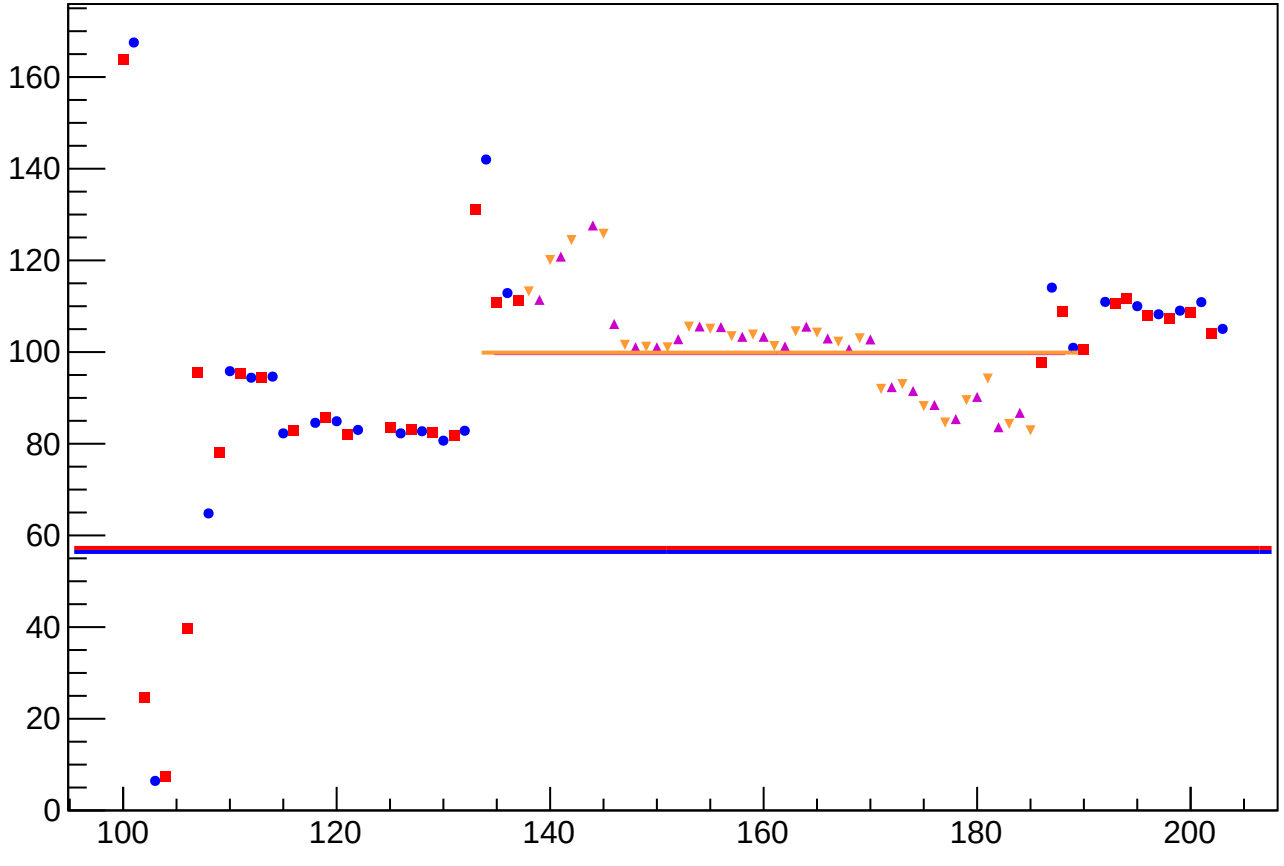
In: -155.454+/-0.531 χ^2/NDF:20749.9/46

Out: -158.597+/-0.493 χ^2/NDF:27039.4/50

All: -157.143+/-0.361 χ^2/NDF: 47808.1/97


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: -30.920+/-0.909 χ²/NDF: 519.4/23
Left Out: -43.251+/-0.664 χ²/NDF:610.2/23
Right Out: -25.112+/-0.837 χ²/NDF: 671.4/26
Left In: -43.207+/-0.670 χ²/NDF:405.8/22
Left: -43.229+/-0.472 χ²/NDF: 1016.0/46
Right: -27.776+/-0.616 χ²/NDF: 1212.8/50
In: -38.883+/-0.539 χ²/NDF:1043.5/46
Out: -36.244+/-0.520 χ²/NDF:1569.8/50
All: -37.516+/-0.374 χ²/NDF: 2625.7/97

reg_asym_us_avg_atlr_avg_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 56.399+/-0.040 χ^2/NDF: 1471332.1/23

Left Out: 99.881+/-0.031 χ^2/NDF:123588.1/23

Right Out: 57.271+/-0.040 χ^2/NDF: 1259446.3/26

Left In: 99.769+/-0.031 χ^2/NDF:113501.0/22

Left: 99.825+/-0.022 χ^2/NDF: 237095.8/46

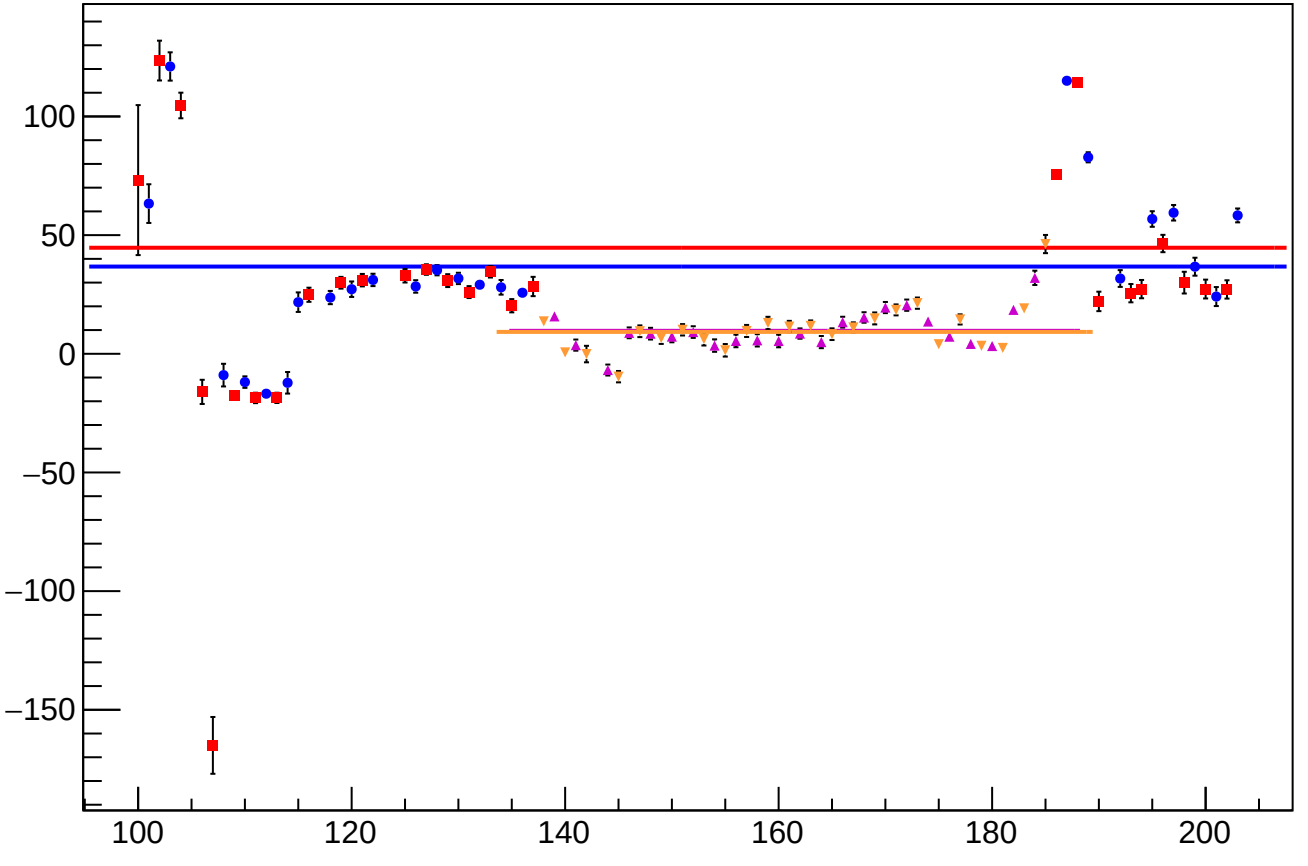
Right: 56.843+/-0.028 χ^2/NDF: 2731015.1/50

In: 84.024+/-0.024 χ^2/NDF:2316414.6/46

Out: 83.919+/-0.024 χ^2/NDF:2101522.7/50

All: 83.971+/-0.017 χ^2/NDF: 4417946.5/97

reg_asym_us_dd_at1lr_dd_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 36.757+/-0.567 χ^2/NDF: 3805.6/23

Left Out: 9.228+/-0.456 χ^2/NDF:327.5/23

Right Out: 44.686+/-0.506 χ^2/NDF: 7831.1/26

Left In: 9.676+/-0.462 χ^2/NDF:246.7/22

Left: 9.449+/-0.325 χ^2/NDF: 574.7/46

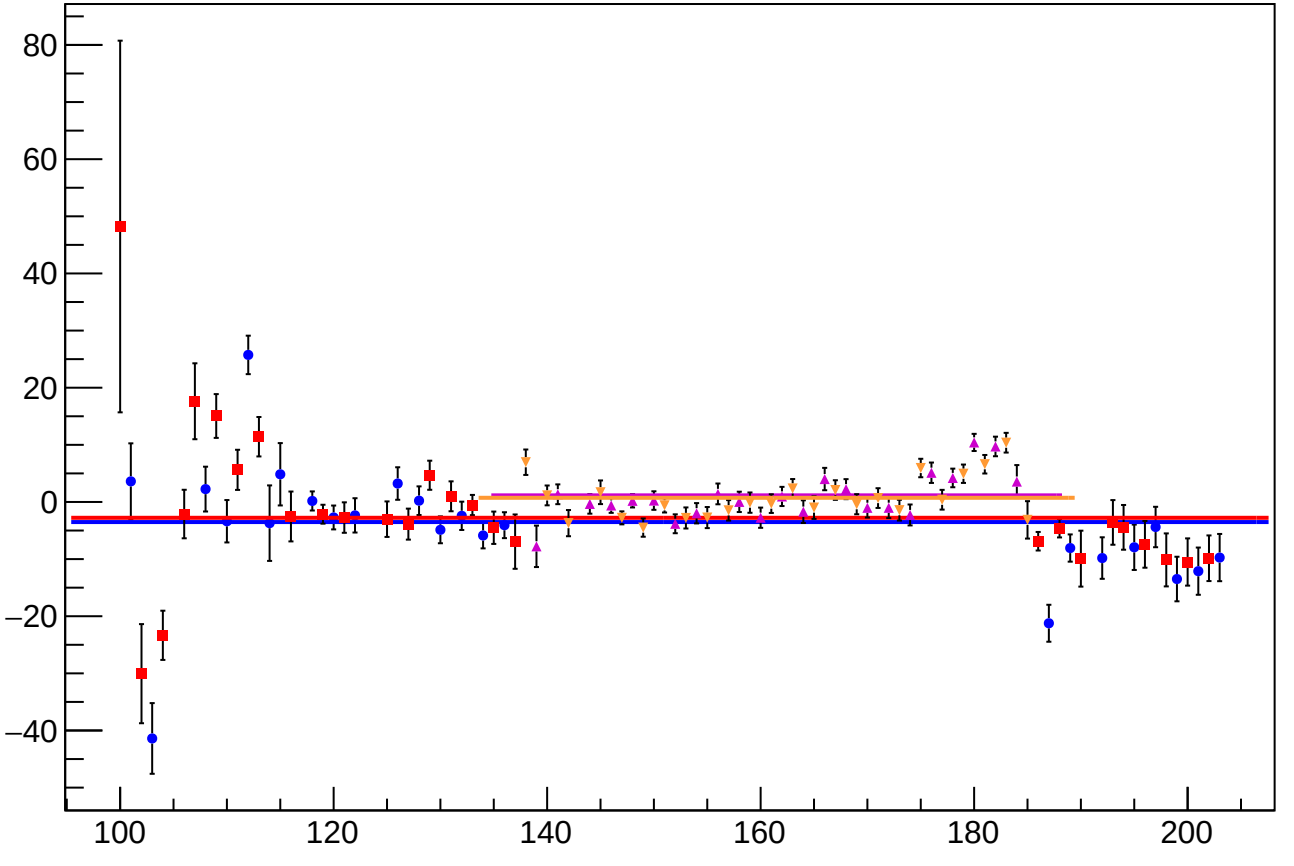
Right: 41.173+/-0.378 χ^2/NDF: 11745.5/50

In: 20.484+/-0.358 χ^2/NDF:5421.3/46

Out: 25.137+/-0.339 χ^2/NDF:10866.3/50

All: 22.940+/-0.246 χ^2/NDF: 16376.5/97

reg_asym_us_dd_at1lr_dd_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -3.517+/-0.606 χ^2/NDF: 184.4/23

Left Out: 0.730+/-0.350 χ^2/NDF:109.7/23

Right Out: -2.770+/-0.565 χ^2/NDF: 123.0/26

Left In: 1.156+/-0.358 χ^2/NDF:110.4/22

Left: 0.939+/-0.250 χ^2/NDF: 220.9/46

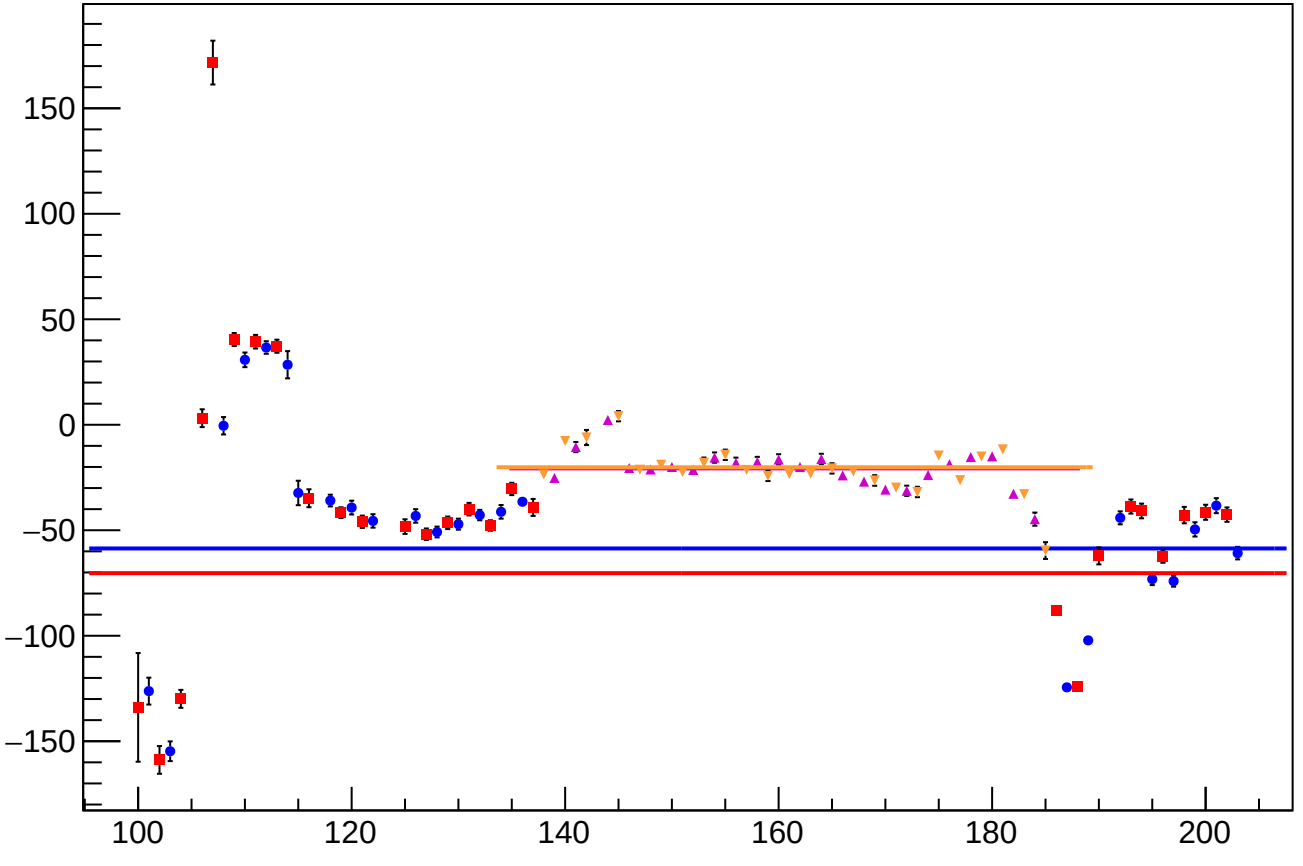
Right: -3.117+/-0.413 χ^2/NDF: 308.2/50

In: -0.049+/-0.308 χ^2/NDF:338.9/46

Out: -0.237+/-0.297 χ^2/NDF:260.4/50

All: -0.147+/-0.214 χ^2/NDF: 599.5/97

reg_asym_us_dd_at1lr_dd_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -58.625+/-0.581 χ^2/NDF: 5343.6/23

Left Out: -20.151+/-0.452 χ^2/NDF:420.3/23

Right Out: -70.334+/-0.490 χ^2/NDF: 9644.0/26

Left In: -20.683+/-0.458 χ^2/NDF:310.5/22

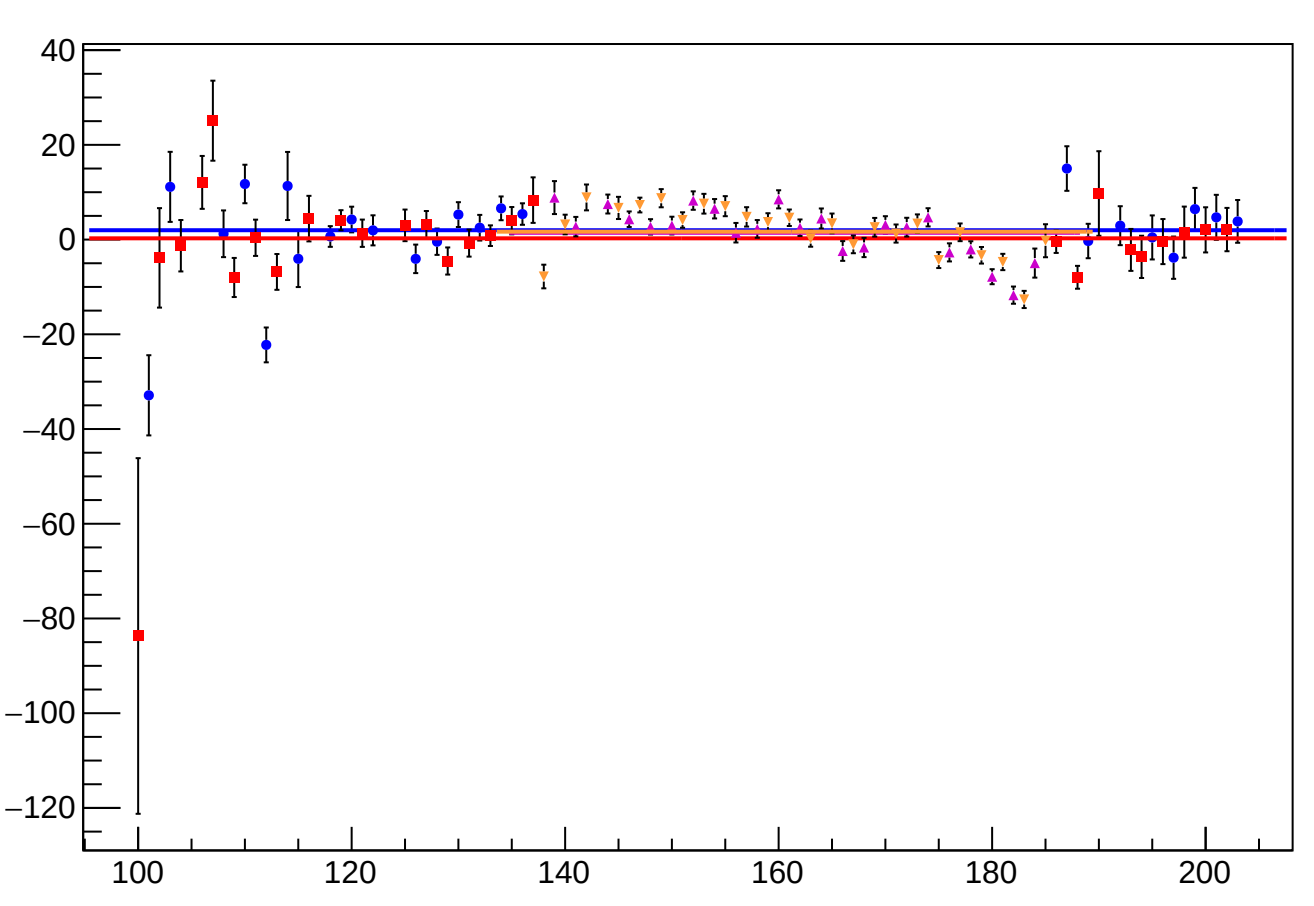
Left: -20.414+/-0.322 χ^2/NDF: 731.5/46

Right: -65.467+/-0.374 χ^2/NDF: 15225.3/50

In: -35.219+/-0.359 χ^2/NDF:8287.7/46

Out: -43.258+/-0.332 χ^2/NDF:15729.2/50

All: -39.553+/-0.244 χ^2/NDF: 24286.5/97



Right In: 1.976+/-0.708 χ^2/NDF: 94.9/23

Left Out: 1.671+/-0.395 χ^2/NDF:178.0/23

Right Out: 0.262+/-0.685 χ^2/NDF: 53.4/26

Left In: 1.428+/-0.403 χ^2/NDF:162.8/22

Left: 1.552+/-0.282 χ^2/NDF: 340.9/46

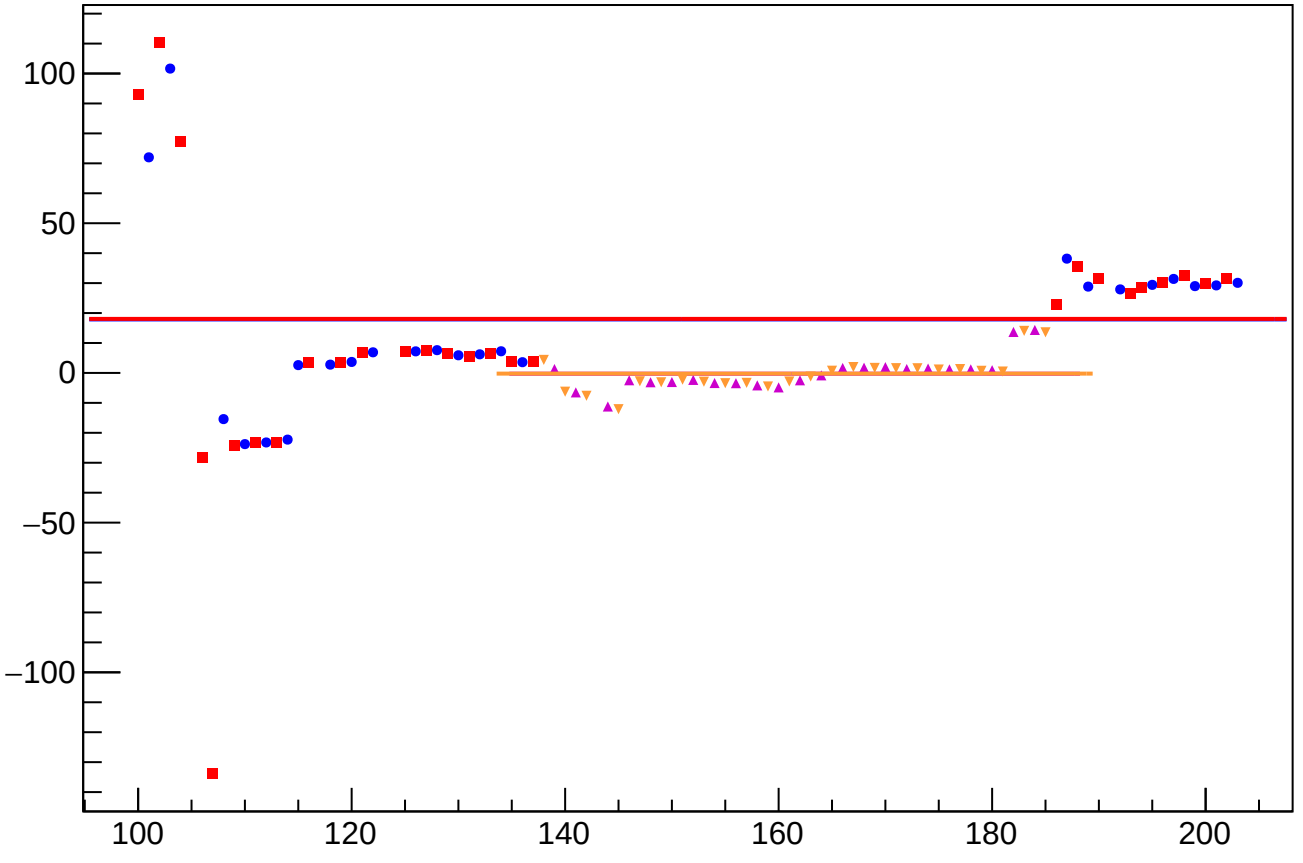
Right: 1.090+/-0.492 χ^2/NDF: 151.3/50

In: 1.562+/-0.350 χ^2/NDF:258.1/46

Out: 1.319+/-0.342 χ^2/NDF:234.6/50

All: 1.438+/-0.245 χ^2/NDF: 492.9/97

reg_asym_us_dd_at1lr_dd_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 17.872+/-0.036 χ^2/NDF: 404287.0/23

Left Out: -0.229+/-0.018 χ^2/NDF:80976.2/23

Right Out: 18.048+/-0.036 χ^2/NDF: 579278.5/26

Left In: -0.270+/-0.018 χ^2/NDF:72783.3/22

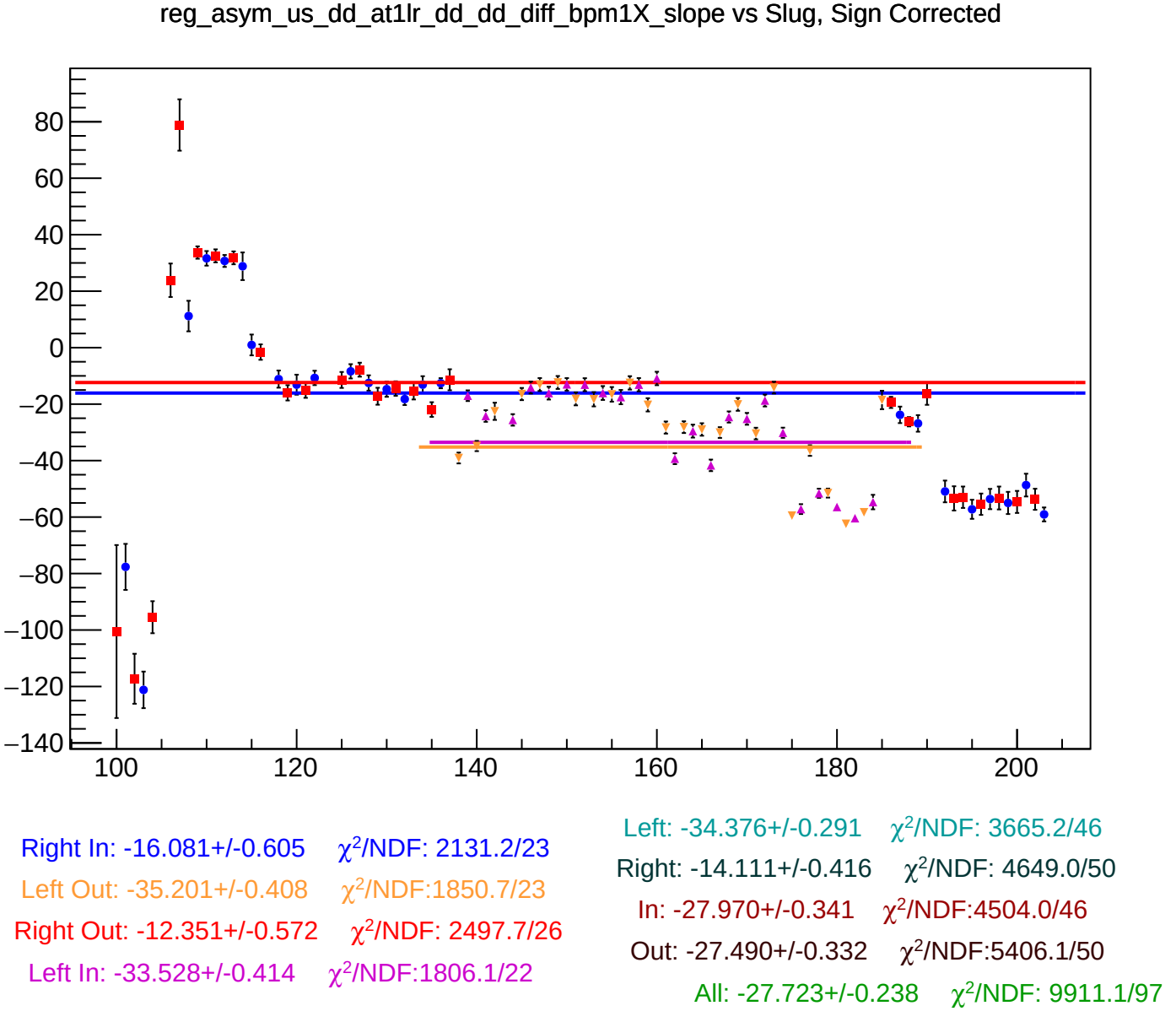
Left: -0.249+/-0.013 χ^2/NDF: 153762.2/46

Right: 17.961+/-0.025 χ^2/NDF: 983577.7/50

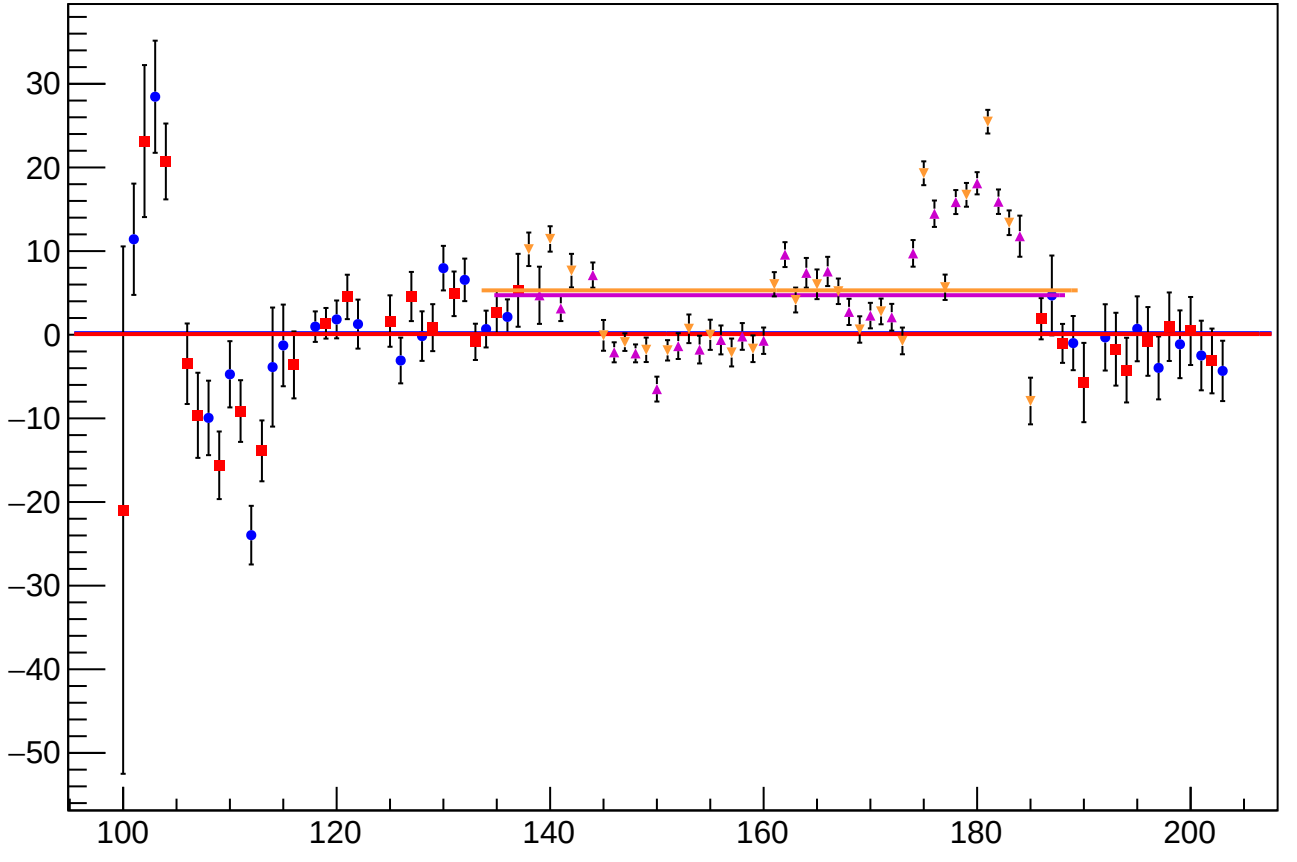
In: 3.304+/-0.016 χ^2/NDF:683139.5/46

Out: 3.385+/-0.016 χ^2/NDF:872585.3/50

All: 3.345+/-0.011 χ^2/NDF: 1555737.9/97


reg_asym_us_dd_at1lr_dd_dd_diff_bpm1X_slope vs Slug, Sign Corrected
80
60
40
20
0
−20
−40
−60
−80
−100
−120
−140
100
120
140
160
180
200
Right In: -16.081+/-0.605 χ2/NDF: 2131.2/23
Left Out: -35.201+/-0.408 χ2/NDF:1850.7/23
Right Out: -12.351+/-0.572 χ2/NDF: 2497.7/26
Left In: -33.528+/-0.414 χ2/NDF:1806.1/22
Left: -34.376+/-0.291 χ2/NDF: 3665.2/46
Right: -14.111+/-0.416 χ2/NDF: 4649.0/50
In: -27.970+/-0.341 χ2/NDF:4504.0/46
Out: -27.490+/-0.332 χ2/NDF:5406.1/50
All: -27.723+/-0.238 χ2/NDF: 9911.1/97

reg_asym_us_dd_at1lr_dd_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 0.186+/-0.642 χ^2/NDF: 97.6/23

Left Out: 5.307+/-0.315 χ^2/NDF:624.4/23

Right Out: 0.078+/-0.631 χ^2/NDF: 84.9/26

Left In: 4.727+/-0.321 χ^2/NDF:496.0/22

Left: 5.023+/-0.225 χ^2/NDF: 1122.0/46

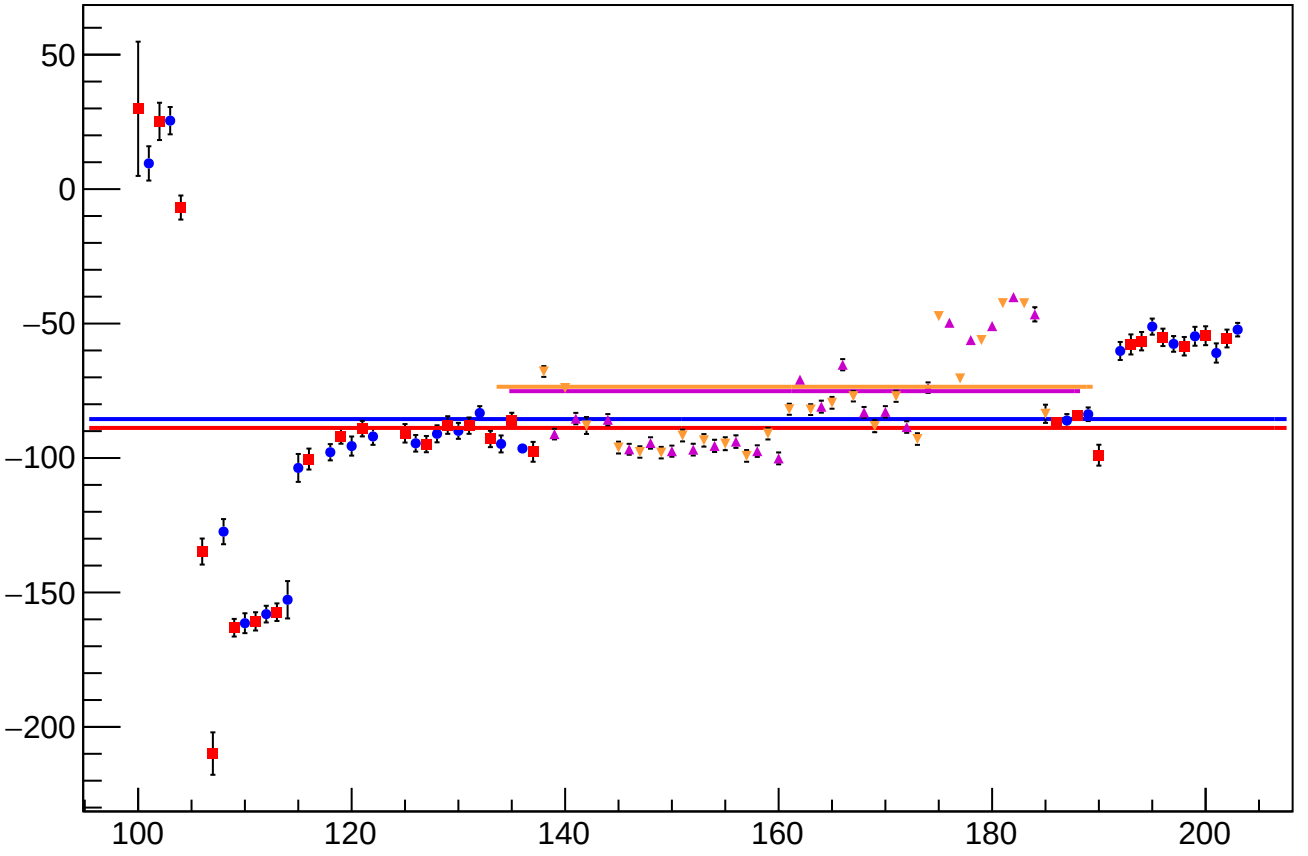
Right: 0.131+/-0.450 χ^2/NDF: 182.5/50

In: 3.818+/-0.287 χ^2/NDF:633.6/46

Out: 4.263+/-0.282 χ^2/NDF:764.3/50

All: 4.045+/-0.201 χ^2/NDF: 1399.1/97

reg_asym_us_dd_at1lr_dd_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -85.516+/-0.635 χ^2/NDF: 2520.0/23

Left Out: -73.506+/-0.405 χ^2/NDF:2392.0/23

Right Out: -88.812+/-0.581 χ^2/NDF: 2940.8/26

Left In: -75.133+/-0.410 χ^2/NDF:2361.9/22

Left: -74.310+/-0.288 χ^2/NDF: 4761.8/46

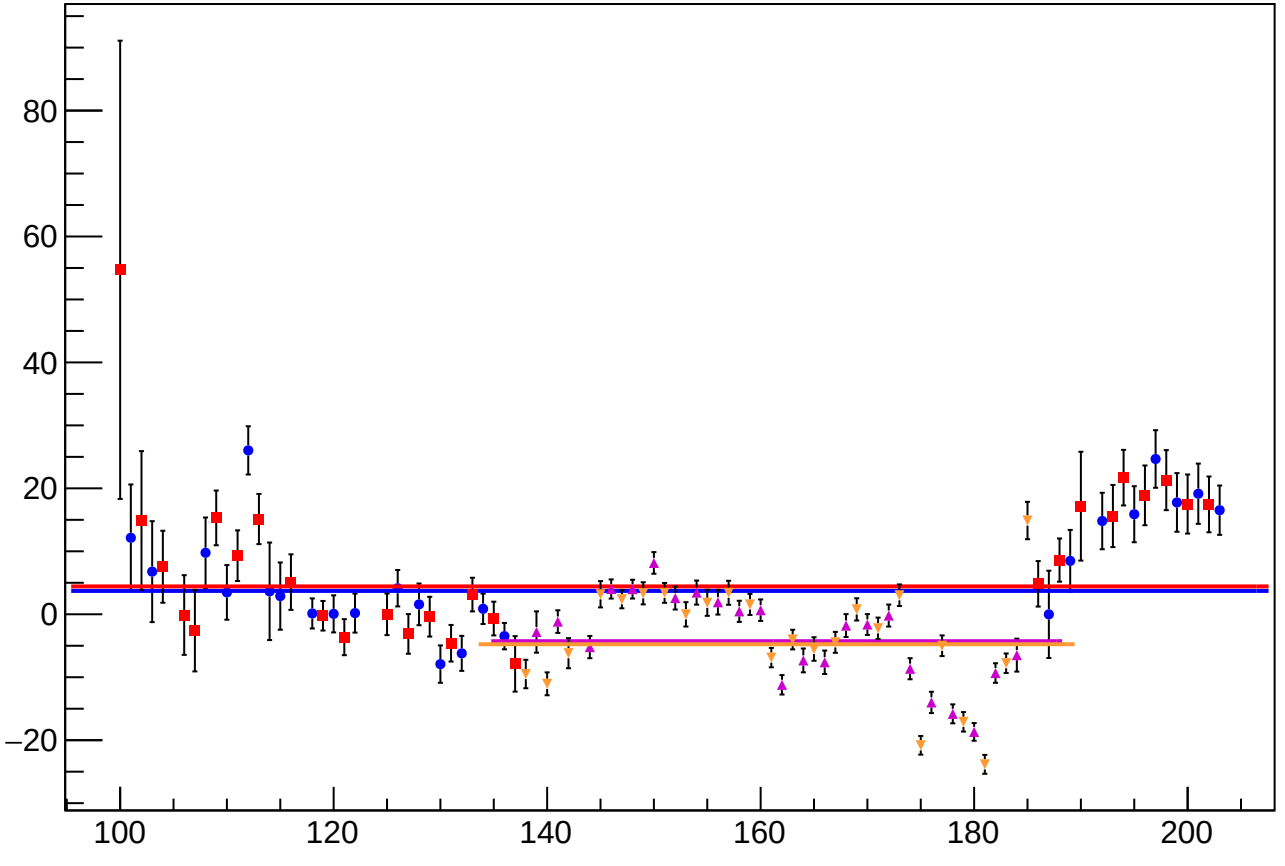
Right: -87.311+/-0.429 χ^2/NDF: 5475.4/50

In: -78.185+/-0.345 χ^2/NDF:5070.4/46

Out: -78.518+/-0.332 χ^2/NDF:5799.7/50

All: -78.357+/-0.239 χ^2/NDF: 10870.7/97

reg_asym_us_dd_at1lr_dd_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 3.711+/-0.736 χ^2/NDF: 149.0/23

Left Out: -4.762+/-0.355 χ^2/NDF:576.9/23

Right Out: 4.423+/-0.742 χ^2/NDF: 125.2/26

Left In: -4.278+/-0.361 χ^2/NDF:424.1/22

Left: -4.524+/-0.253 χ^2/NDF: 1002.0/46

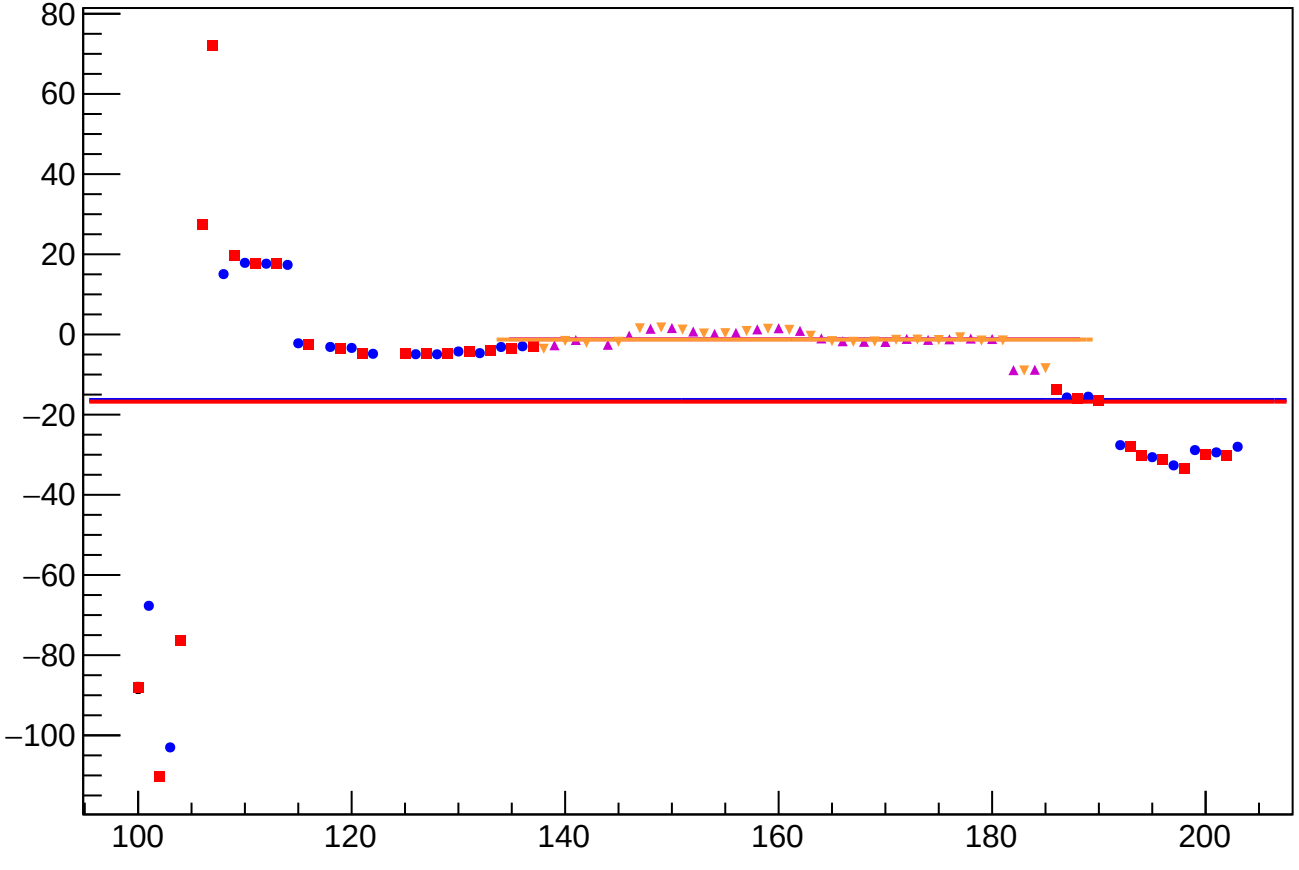
Right: 4.064+/-0.522 χ^2/NDF: 274.7/50

In: -2.728+/-0.324 χ^2/NDF:668.2/46

Out: -3.054+/-0.320 χ^2/NDF:826.8/50

All: -2.893+/-0.228 χ^2/NDF: 1495.5/97

reg_asym_us_dd_at1lr_dd_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -16.342+/-0.036 χ^2/NDF: 356674.3/23

Left Out: -1.267+/-0.016 χ^2/NDF:25091.1/23

Right Out: -16.759+/-0.037 χ^2/NDF: 451001.7/26

Left In: -1.180+/-0.016 χ^2/NDF:24754.1/22

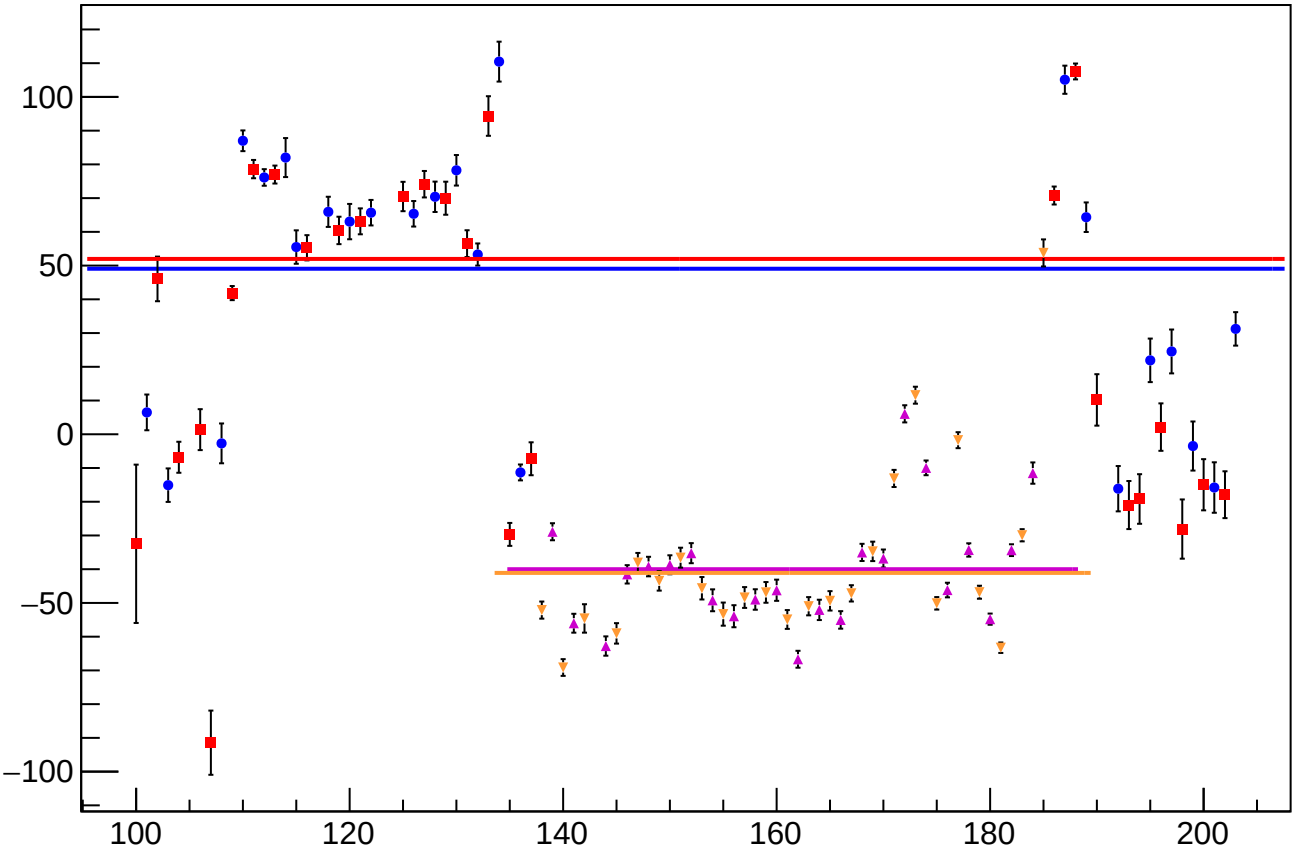
Left: -1.224+/-0.011 χ^2/NDF: 49860.2/46

Right: -16.548+/-0.026 χ^2/NDF: 807741.3/50

In: -3.641+/-0.015 χ^2/NDF:528016.4/46

Out: -3.702+/-0.015 χ^2/NDF:626004.3/50

All: -3.672+/-0.010 χ^2/NDF: 1154029.5/97



Right In: 49.068+/-0.867 χ^2/NDF: 1964.7/23

Left Out: -41.097+/-0.517 χ^2/NDF:1948.2/23

Right Out: 51.977+/-0.780 χ^2/NDF: 2685.7/26

Left In: -40.000+/-0.524 χ^2/NDF:1031.8/22

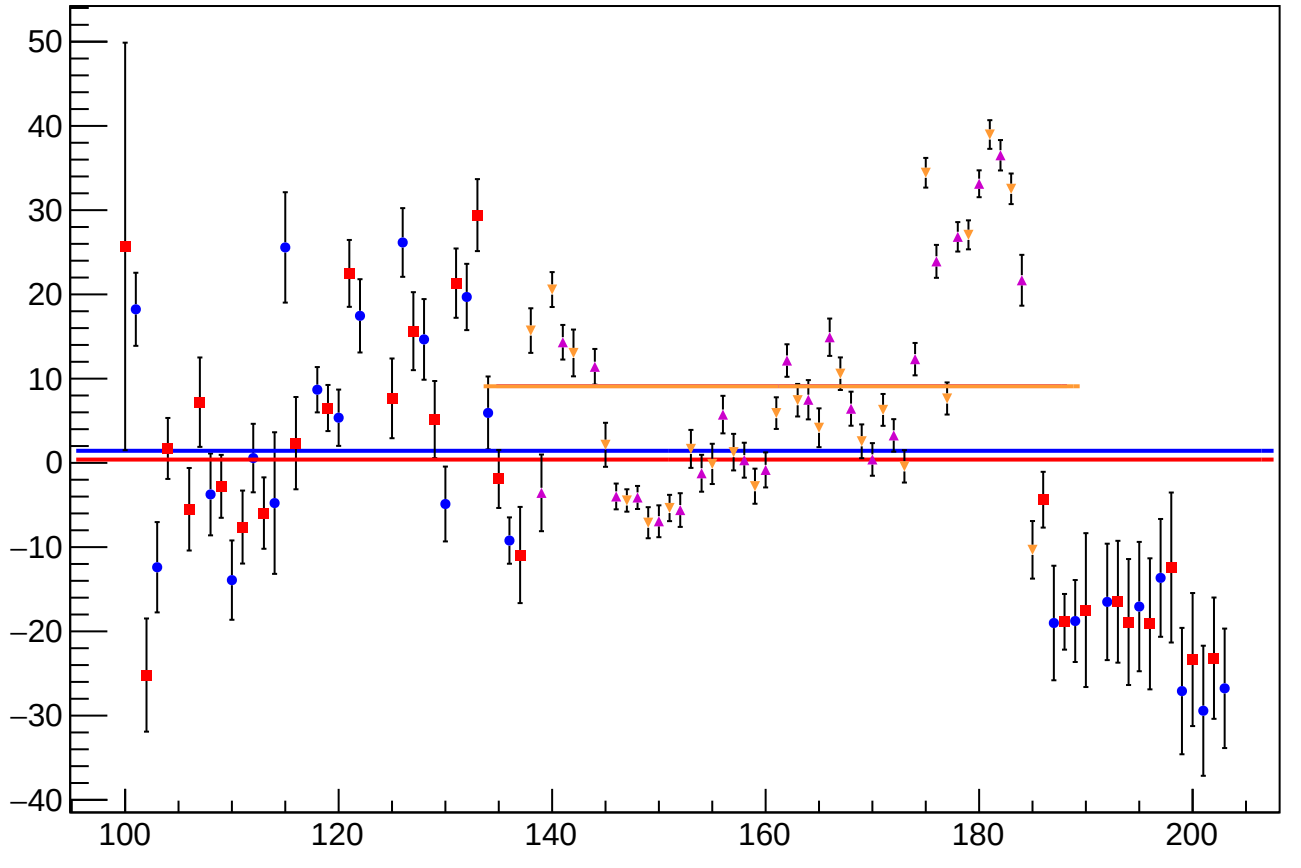
Left: -40.556+/-0.368 χ^2/NDF: 2982.2/46

Right: 50.677+/-0.580 χ^2/NDF: 4656.6/50

In: -16.157+/-0.449 χ^2/NDF:10722.6/46

Out: -12.648+/-0.431 χ^2/NDF:14526.4/50

All: -14.332+/-0.311 χ^2/NDF: 25280.9/97



Right In: 1.435+/-0.938 χ^2/NDF: 243.6/23

Left Out: 9.094+/-0.401 χ^2/NDF:1253.7/23

Right Out: 0.392+/-0.893 χ^2/NDF: 232.1/26

Left In: 9.121+/-0.409 χ^2/NDF:1051.8/22

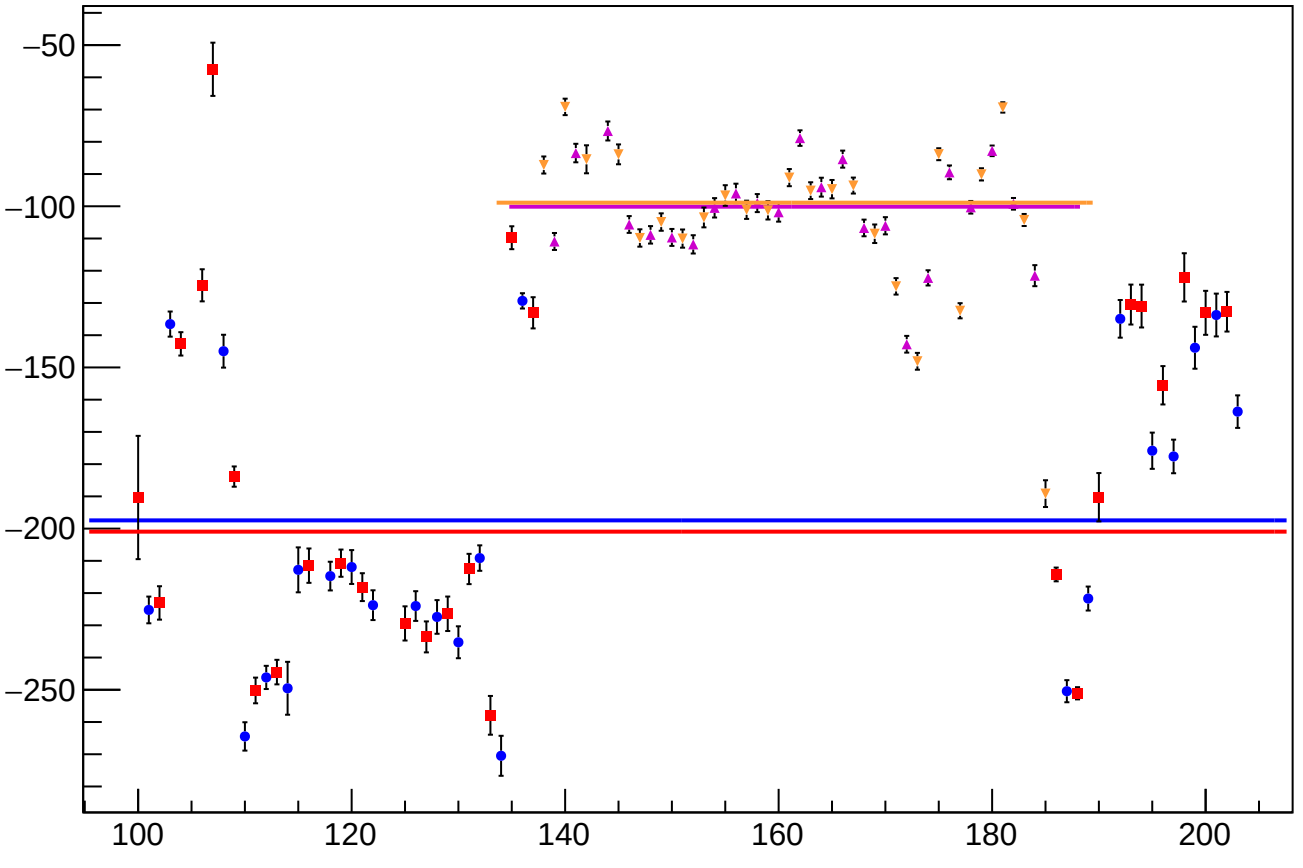
Left: 9.107+/-0.286 χ^2/NDF: 2305.5/46

Right: 0.888+/-0.647 χ^2/NDF: 476.3/50

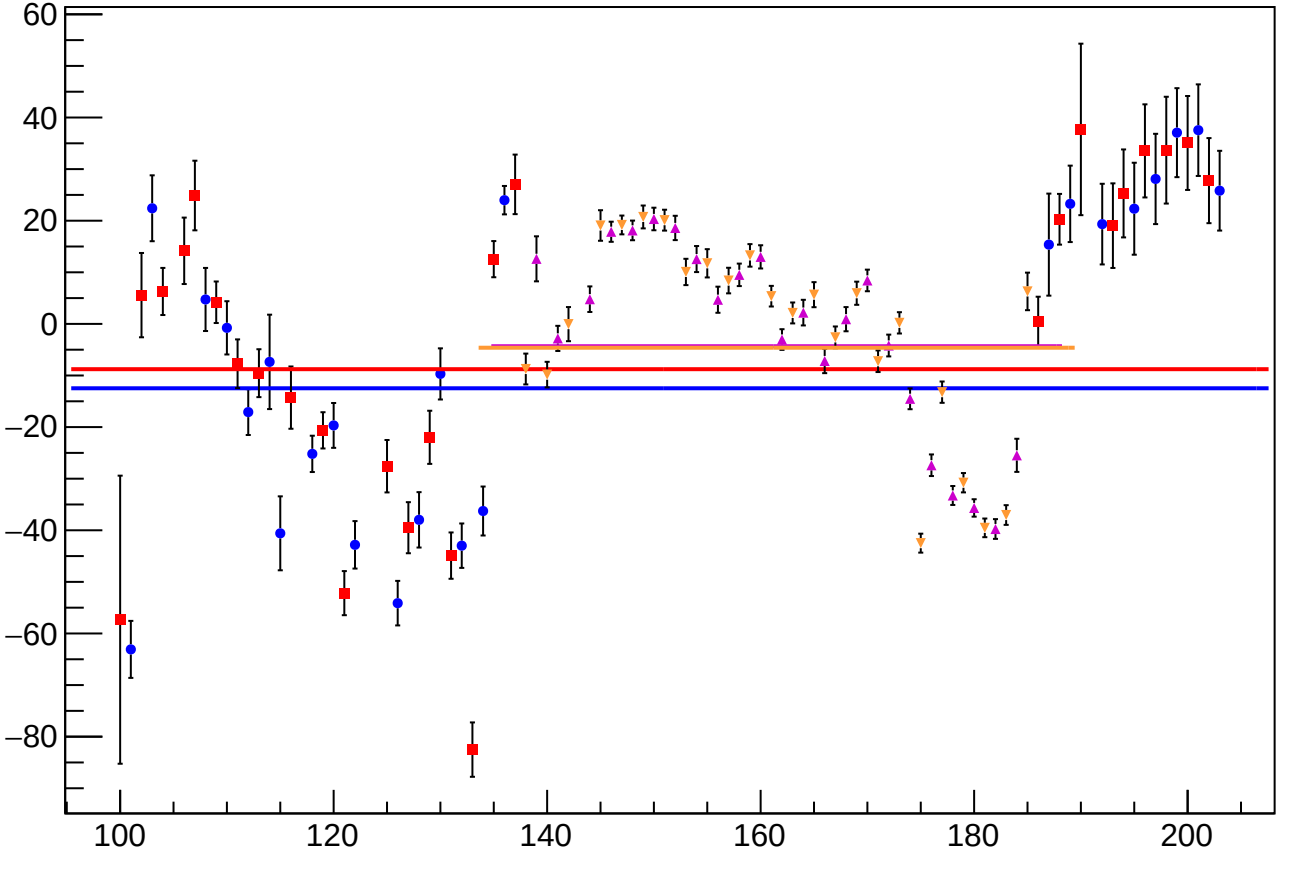
In: 7.894+/-0.375 χ^2/NDF:1351.8/46

Out: 7.634+/-0.366 χ^2/NDF:1564.7/50

All: 7.761+/-0.262 χ^2/NDF: 2916.8/97


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: -197.447+/-0.916 χ²/NDF: 2633.3/23
Left Out: -98.883+/-0.514 χ²/NDF:1824.5/23
Right Out: -200.941+/-0.812 χ²/NDF: 3573.1/26
Left In: -100.127+/-0.520 χ²/NDF:823.2/22
Left: -99.498+/-0.366 χ²/NDF: 2650.6/46
Right: -199.403+/-0.608 χ²/NDF: 6214.5/50
In: -123.865+/-0.452 χ²/NDF:11997.5/46
Out: -128.079+/-0.434 χ²/NDF:16669.6/50
All: -126.057+/-0.313 χ²/NDF: 28712.3/97

reg_asym_us_dd_at2lr_dd_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -12.478+/-1.080 χ^2/NDF: 743.4/23

Left Out: -4.618+/-0.451 χ^2/NDF:2078.3/23

Right Out: -8.777+/-1.051 χ^2/NDF: 730.8/26

Left In: -4.328+/-0.459 χ^2/NDF:1854.2/22

Left: -4.475+/-0.322 χ^2/NDF: 3932.7/46

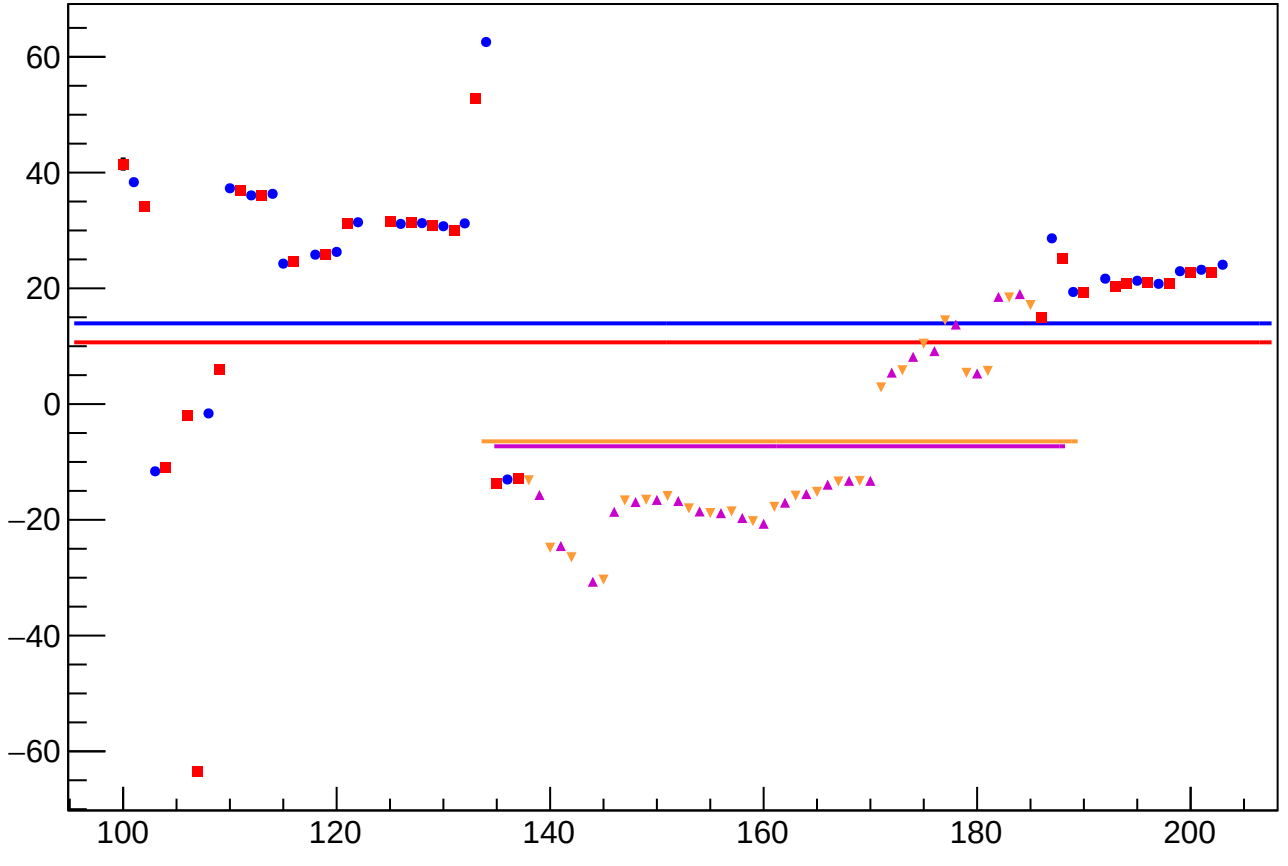
Right: -10.577+/-0.753 χ^2/NDF: 1480.2/50

In: -5.574+/-0.422 χ^2/NDF:2645.8/46

Out: -5.266+/-0.415 χ^2/NDF:2822.3/50

All: -5.417+/-0.296 χ^2/NDF: 5468.4/97

reg_asym_us_dd_at2lr_dd_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 13.947+/-0.053 χ^2/NDF: 174669.0/23

Left Out: -6.437+/-0.020 χ^2/NDF:496714.6/23

Right Out: 10.668+/-0.052 χ^2/NDF: 175556.0/26

Left In: -7.292+/-0.020 χ^2/NDF:488261.5/22

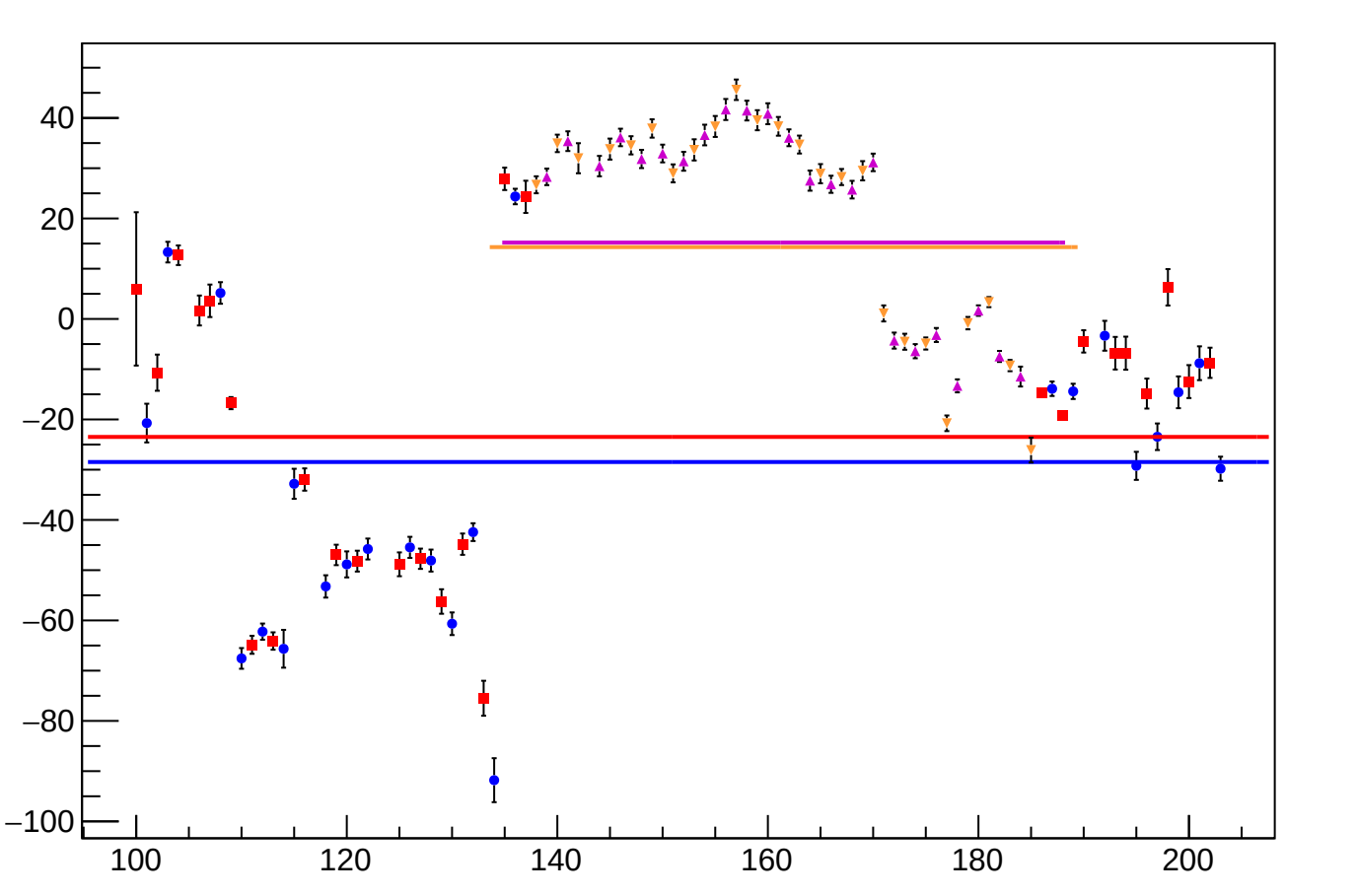
Left: -6.862+/-0.014 χ^2/NDF: 985866.7/46

Right: 12.280+/-0.037 χ^2/NDF: 352145.0/50

In: -4.607+/-0.019 χ^2/NDF:801309.4/46

Out: -4.231+/-0.019 χ^2/NDF:764807.9/50

All: -4.418+/-0.013 χ^2/NDF: 1566314.7/97



Right In: -28.473+/-0.447 χ^2/NDF: 3930.9/23

Left Out: 14.295+/-0.335 χ^2/NDF:3726.3/23

Right Out: -23.483+/-0.376 χ^2/NDF: 3773.3/26

Left In: 15.194+/-0.339 χ^2/NDF:3406.6/22

Left: 14.739+/-0.239 χ^2/NDF: 7136.5/46

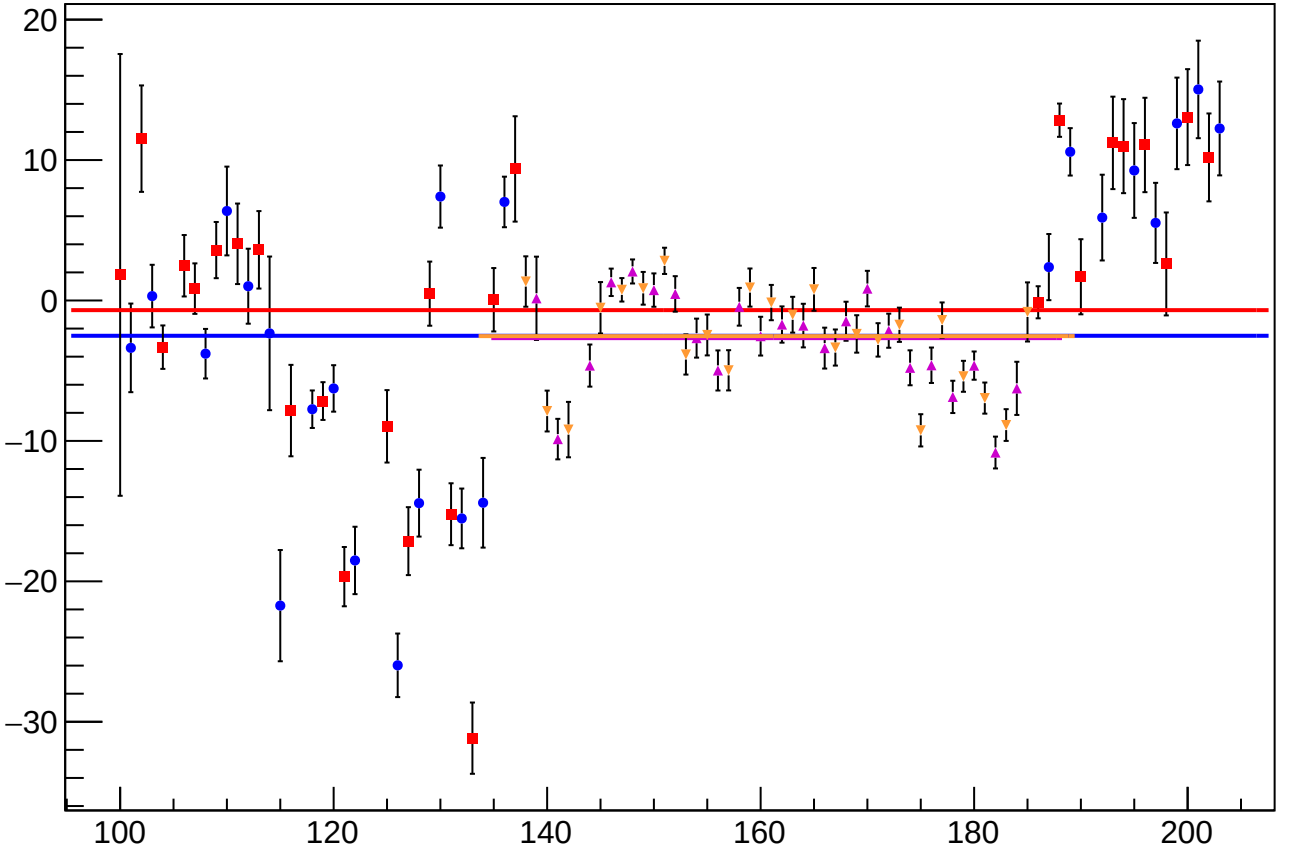
Right: -25.547+/-0.288 χ^2/NDF: 7777.1/50

In: -0.755+/-0.270 χ^2/NDF:13382.9/46

Out: -2.445+/-0.250 χ^2/NDF:13127.7/50

All: -1.666+/-0.184 χ^2/NDF: 26531.7/97

reg_asym_us_dd_at2lr_dd_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -2.513+/-0.478 χ^2/NDF: 491.1/23

Left Out: -2.538+/-0.259 χ^2/NDF:198.4/23

Right Out: -0.688+/-0.420 χ^2/NDF: 584.5/26

Left In: -2.681+/-0.265 χ^2/NDF:182.0/22

Left: -2.608+/-0.185 χ^2/NDF: 380.6/46

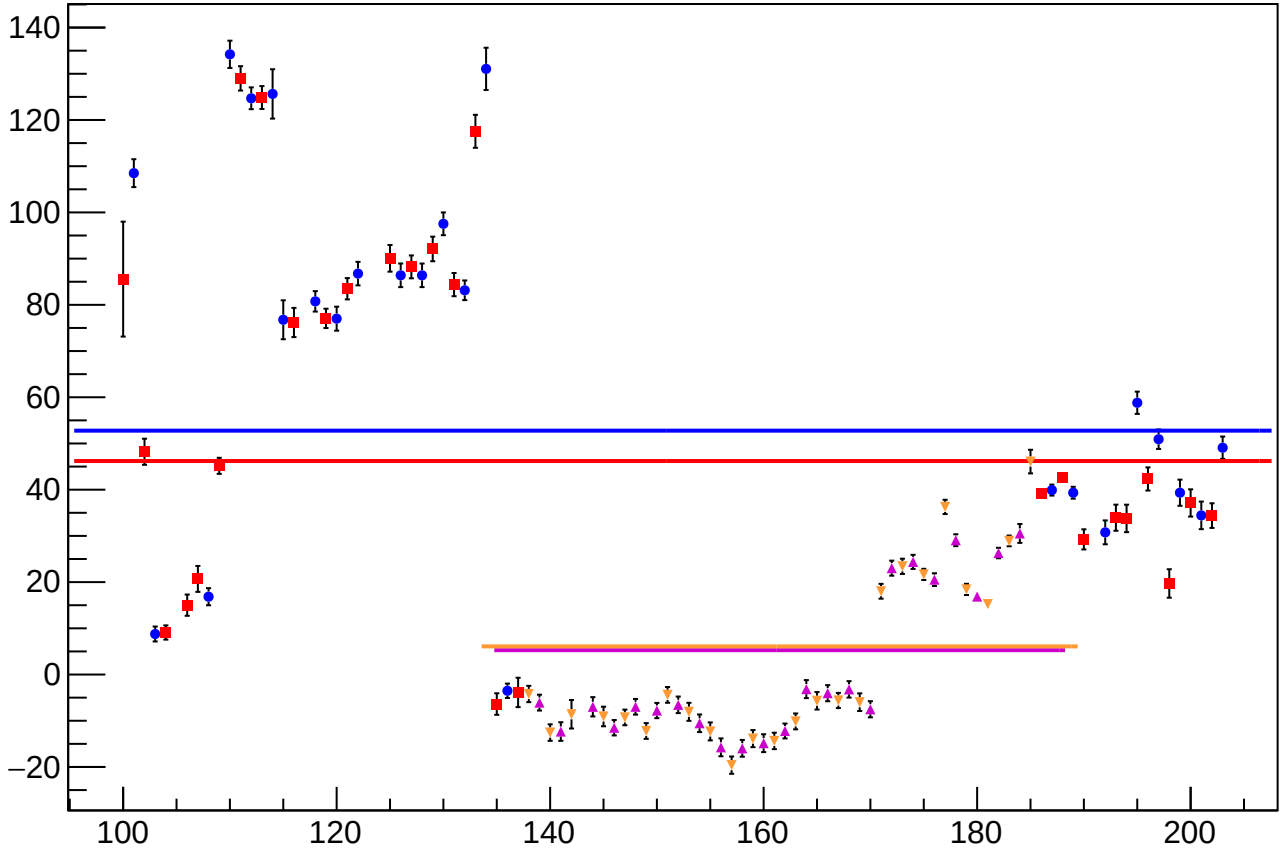
Right: -1.483+/-0.315 χ^2/NDF: 1083.8/50

In: -2.642+/-0.232 χ^2/NDF:673.2/46

Out: -2.028+/-0.220 χ^2/NDF:796.9/50

All: -2.319+/-0.160 χ^2/NDF: 1473.8/97

reg_asym_us_dd_at2lr_dd_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 52.775+/-0.443 χ^2/NDF: 6645.9/23

Left Out: 6.095+/-0.333 χ^2/NDF:2773.9/23

Right Out: 46.202+/-0.356 χ^2/NDF: 5946.2/26

Left In: 5.269+/-0.337 χ^2/NDF:2451.2/22

Left: 5.687+/-0.237 χ^2/NDF: 5228.1/46

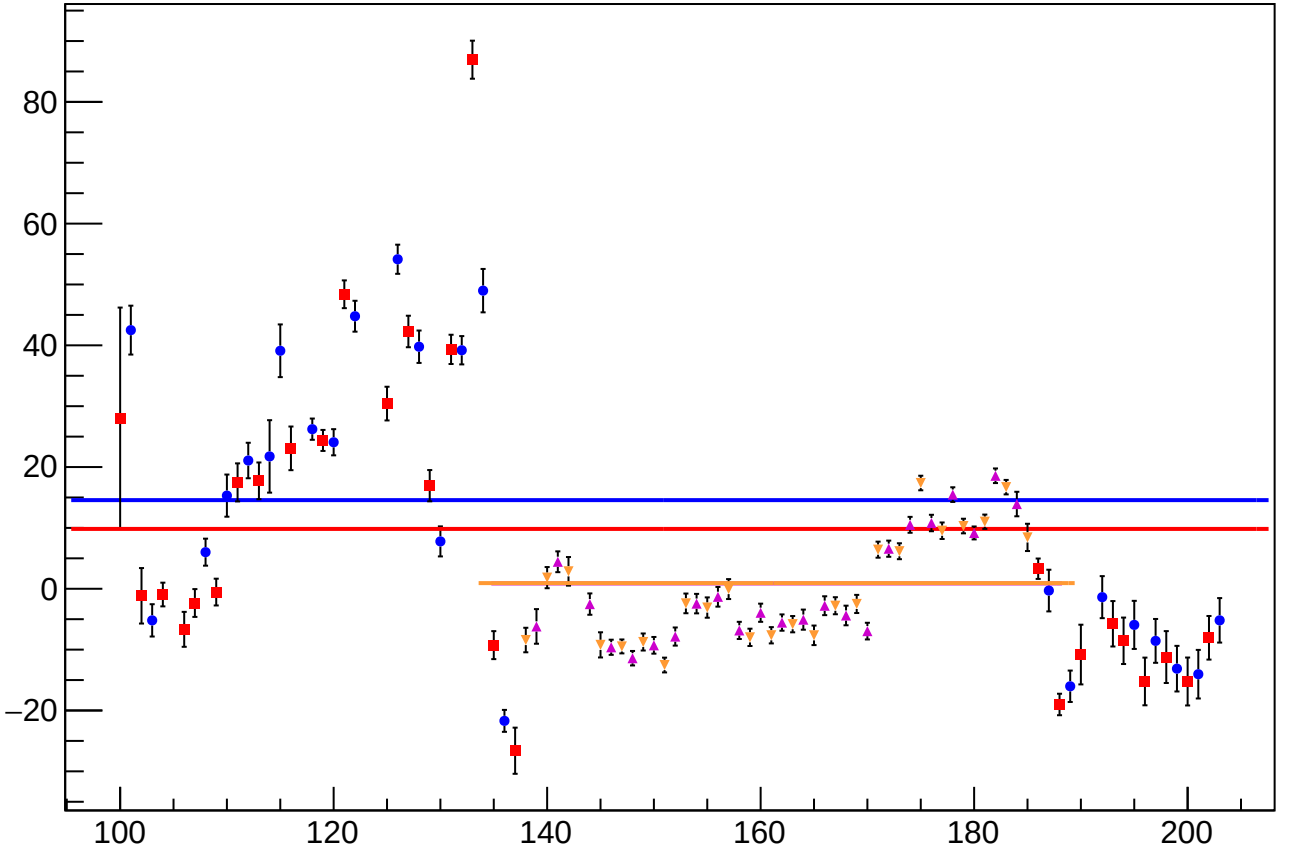
Right: 48.785+/-0.277 χ^2/NDF: 12725.9/50

In: 22.674+/-0.268 χ^2/NDF:16397.7/46

Out: 24.795+/-0.243 χ^2/NDF:15489.0/50

All: 23.837+/-0.180 χ^2/NDF: 31921.0/97

reg_asym_us_dd_at2lr_dd_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 14.565+/-0.567 χ^2/NDF: 1728.2/23

Left Out: 0.929+/-0.292 χ^2/NDF:1041.7/23

Right Out: 9.833+/-0.517 χ^2/NDF: 2115.5/26

Left In: 0.878+/-0.297 χ^2/NDF:1006.0/22

Left: 0.904+/-0.208 χ^2/NDF: 2047.7/46

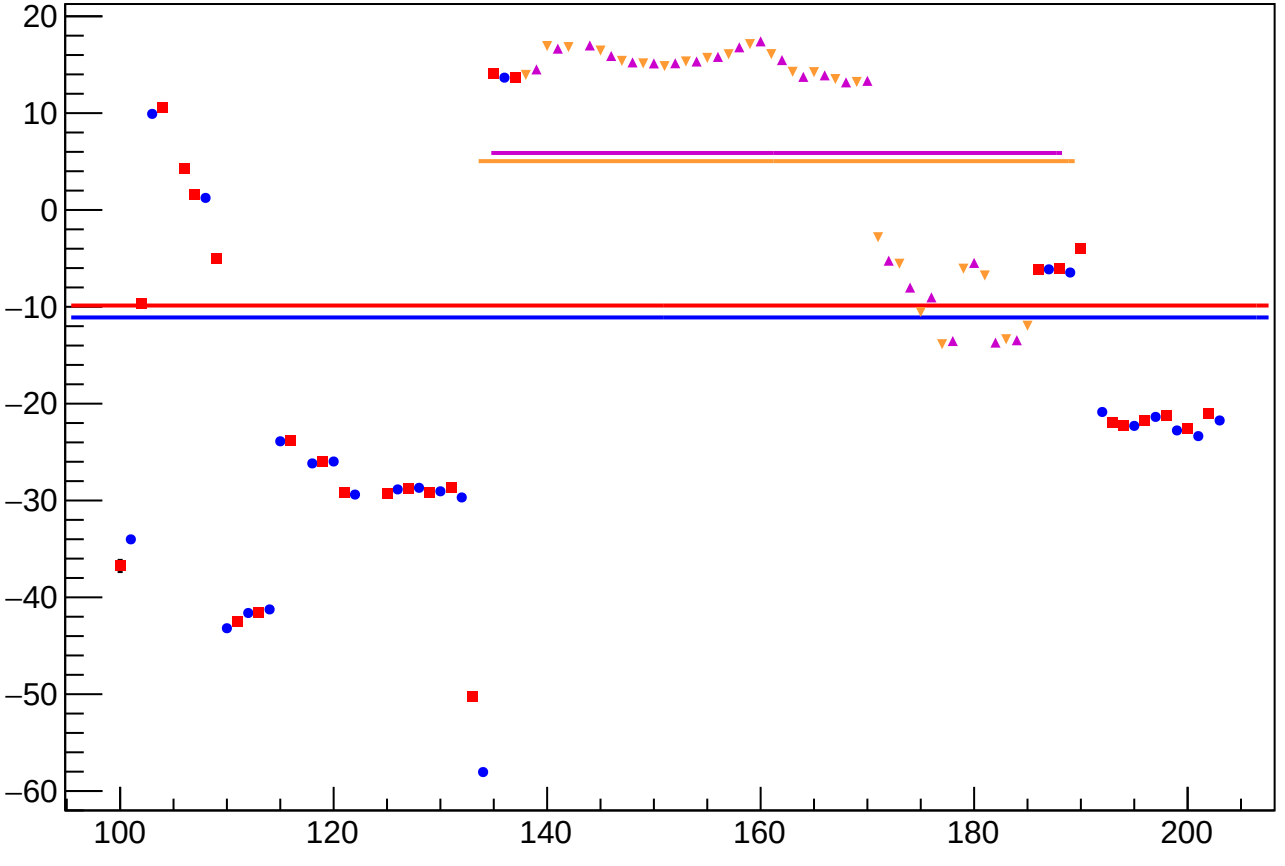
Right: 11.982+/-0.382 χ^2/NDF: 3881.7/50

In: 3.828+/-0.263 χ^2/NDF:3191.1/46

Out: 3.079+/-0.254 χ^2/NDF:3382.0/50

All: 3.440+/-0.183 χ^2/NDF: 6577.3/97

reg_asym_us_dd_at2lr_dd_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -11.097+/-0.026 χ^2/NDF: 486952.8/23

Left Out: 5.042+/-0.013 χ^2/NDF:855564.2/23

Right Out: -9.866+/-0.025 χ^2/NDF: 399781.7/26

Left In: 5.886+/-0.013 χ^2/NDF:846355.0/22

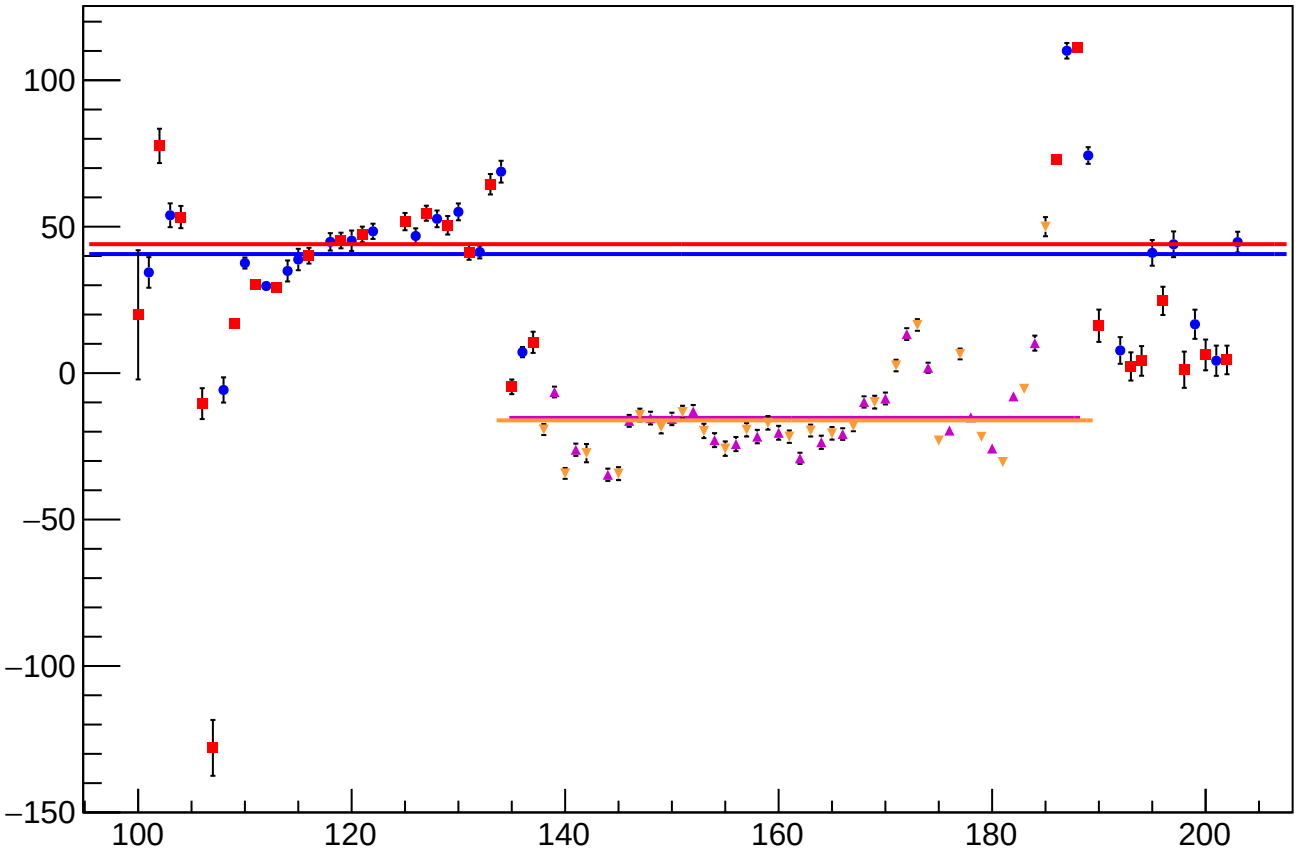
Left: 5.461+/-0.009 χ^2/NDF: 1703993.7/46

Right: -10.454+/-0.018 χ^2/NDF: 887872.8/50

In: 2.505+/-0.012 χ^2/NDF:1665503.3/46

Out: 1.889+/-0.012 χ^2/NDF:1530901.6/50

All: 2.193+/-0.008 χ^2/NDF: 3197797.7/97



Right In: 40.645+/-0.588 χ^2/NDF: 1614.7/23

Left Out: -16.132+/-0.398 χ^2/NDF:1364.9/23

Right Out: 44.024+/-0.530 χ^2/NDF: 4063.5/26

Left In: -15.295+/-0.403 χ^2/NDF:760.9/22

Left: -15.719+/-0.283 χ^2/NDF: 2128.0/46

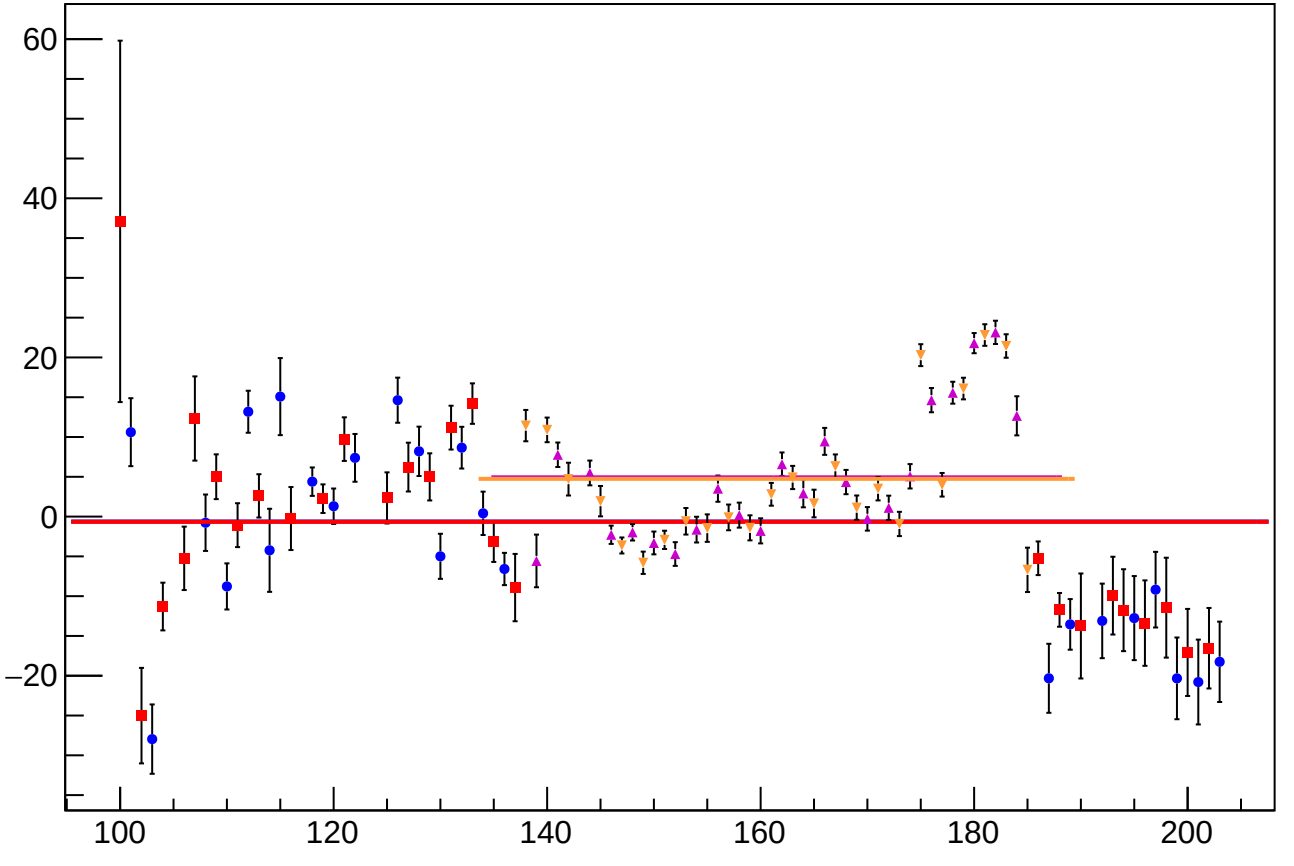
Right: 42.507+/-0.394 χ^2/NDF: 5696.4/50

In: 2.601+/-0.333 χ^2/NDF:8533.3/46

Out: 5.529+/-0.318 χ^2/NDF:13658.5/50

All: 4.129+/-0.230 χ^2/NDF: 22232.3/97

reg_asym_us_dd_atlr_dd_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -0.618+/-0.643 χ^2/NDF: 263.0/23

Left Out: 4.745+/-0.307 χ^2/NDF:793.8/23

Right Out: -0.660+/-0.616 χ^2/NDF: 200.1/26

Left In: 4.935+/-0.313 χ^2/NDF:688.4/22

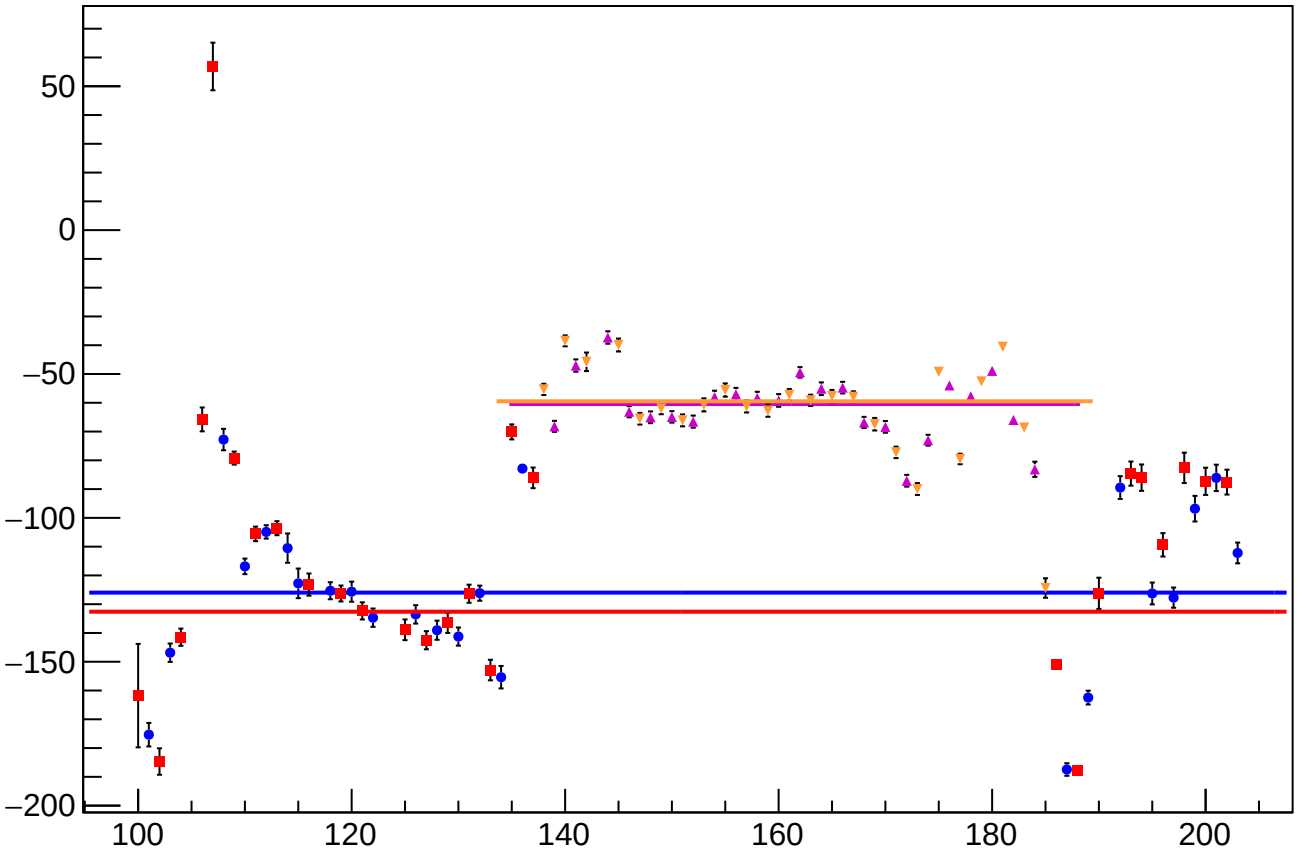
Left: 4.838+/-0.219 χ^2/NDF: 1482.3/46

Right: -0.640+/-0.445 χ^2/NDF: 463.1/50

In: 3.870+/-0.281 χ^2/NDF:1011.7/46

Out: 3.672+/-0.274 χ^2/NDF:1055.6/50

All: 3.769+/-0.196 χ^2/NDF: 2067.5/97



Right In: -125.976+/-0.630 χ^2/NDF: 2447.7/23

Left Out: -59.480+/-0.395 χ^2/NDF:1372.3/23

Right Out: -132.606+/-0.553 χ^2/NDF: 5315.8/26

Left In: -60.435+/-0.400 χ^2/NDF:668.3/22

Left: -59.952+/-0.281 χ^2/NDF: 2043.4/46

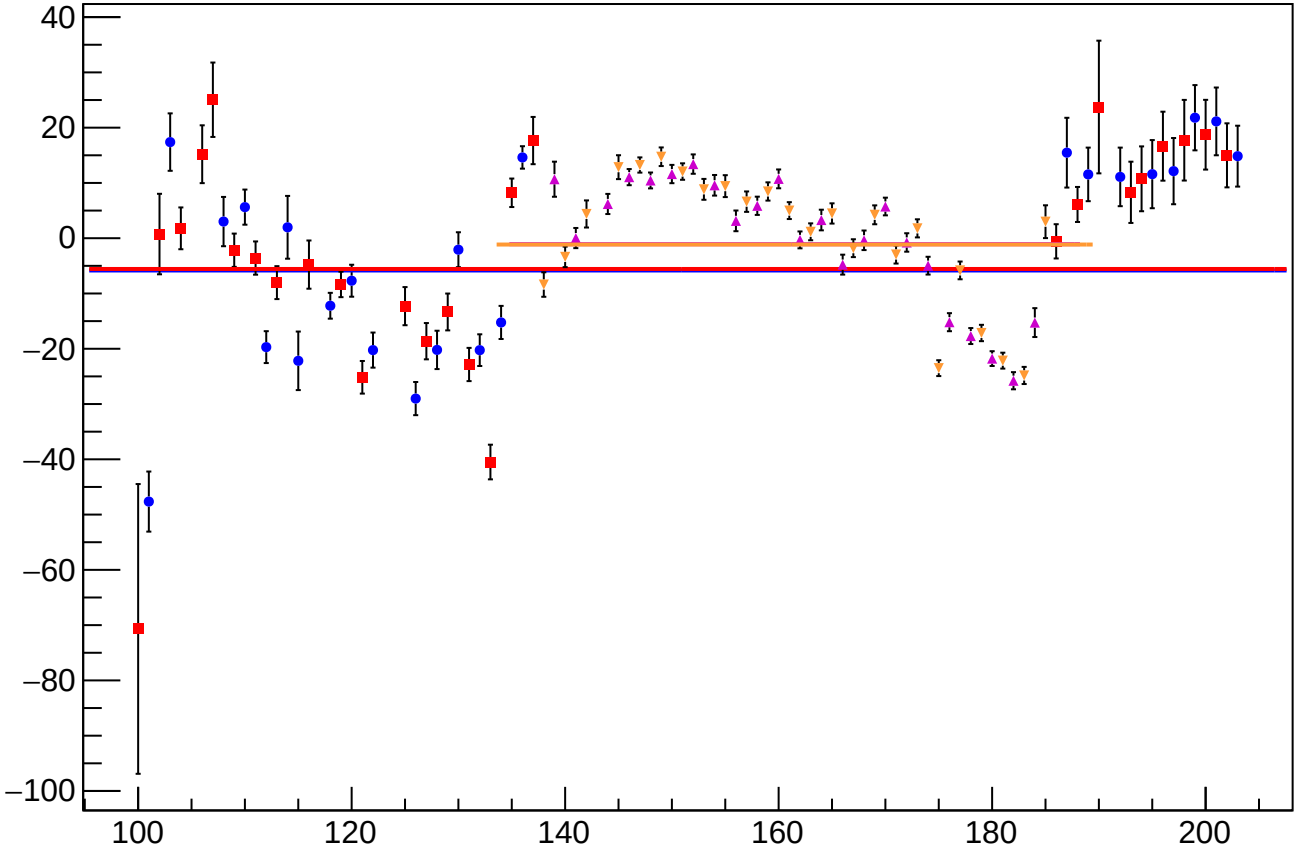
Right: -129.720+/-0.416 χ^2/NDF: 7826.0/50

In: -79.219+/-0.337 χ^2/NDF:10829.4/46

Out: -84.153+/-0.321 χ^2/NDF:18256.2/50

All: -81.806+/-0.233 χ^2/NDF: 29197.7/97

reg_asym_us_dd_atlr_dd_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -5.837+/-0.740 χ^2/NDF: 480.9/23

Left Out: -1.144+/-0.346 χ^2/NDF:1303.0/23

Right Out: -5.566+/-0.727 χ^2/NDF: 421.8/26

Left In: -1.082+/-0.352 χ^2/NDF:1157.4/22

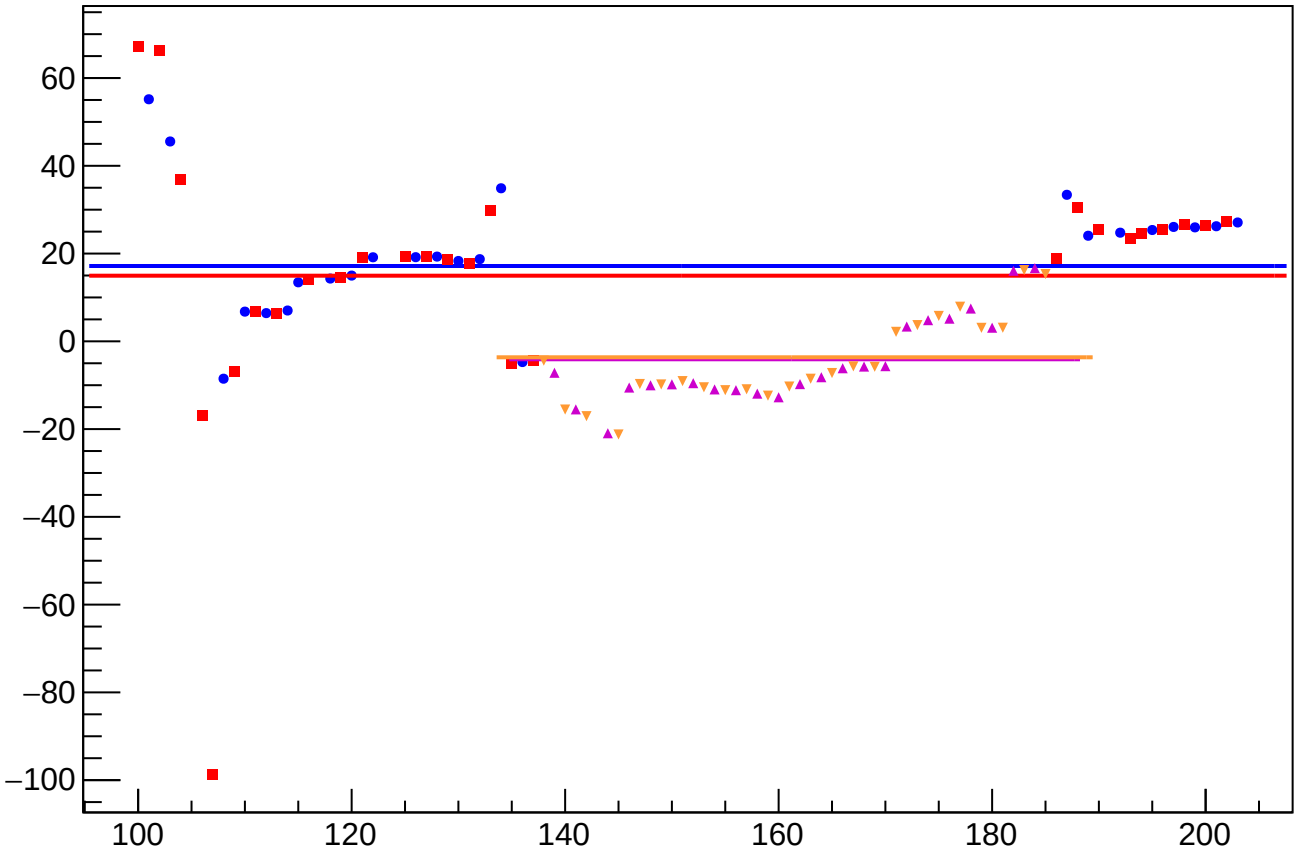
Left: -1.114+/-0.247 χ^2/NDF: 2460.4/46

Right: -5.699+/-0.519 χ^2/NDF: 902.8/50

In: -1.958+/-0.318 χ^2/NDF:1671.9/46

Out: -1.960+/-0.312 χ^2/NDF:1755.0/50

All: -1.959+/-0.223 χ^2/NDF: 3427.0/97



Right In: 17.167+/-0.038 χ^2/NDF: 207293.5/23

Left Out: -3.639+/-0.015 χ^2/NDF:345861.2/23

Right Out: 14.955+/-0.038 χ^2/NDF: 338267.9/26

Left In: -4.091+/-0.016 χ^2/NDF:333287.4/22

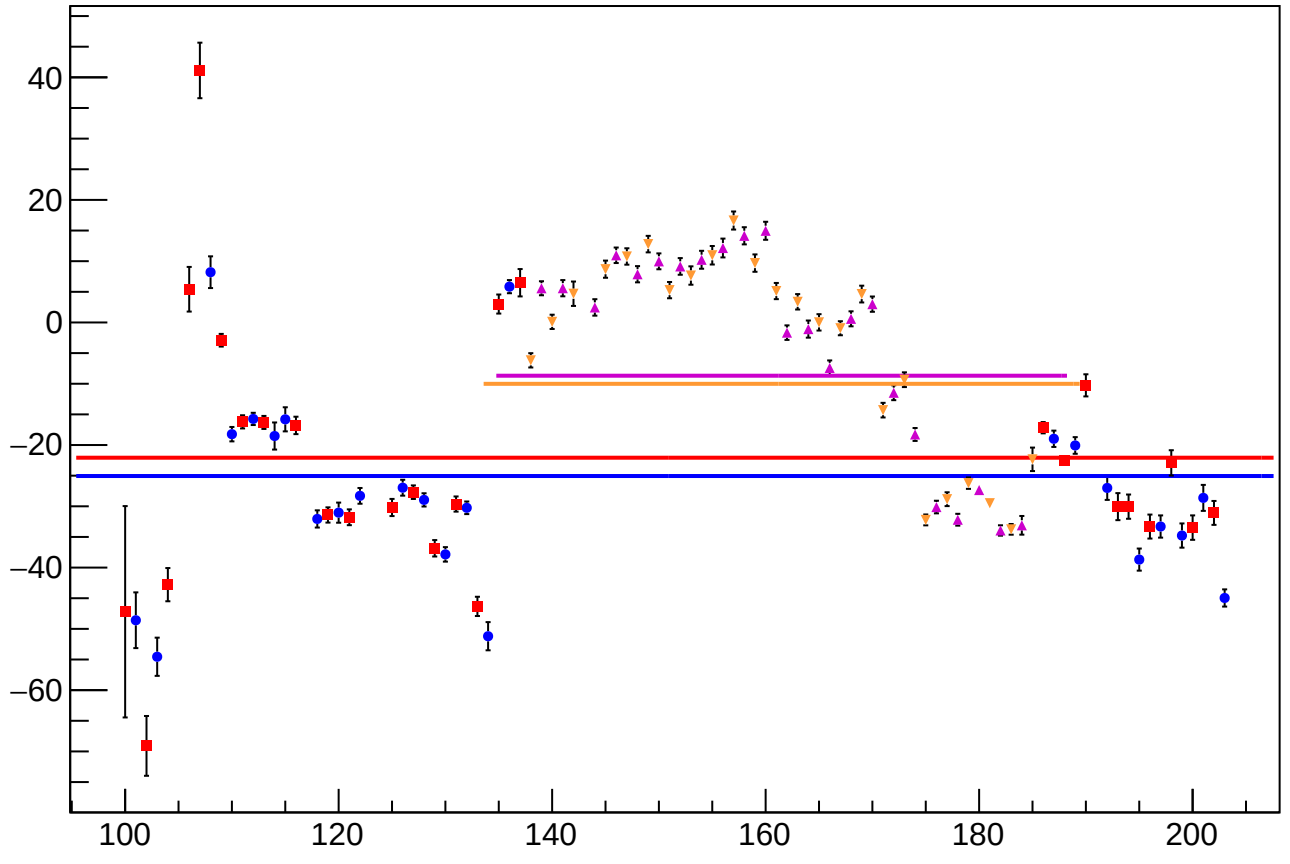
Left: -3.864+/-0.011 χ^2/NDF: 679574.3/46

Right: 16.063+/-0.027 χ^2/NDF: 547259.2/50

In: -1.035+/-0.014 χ^2/NDF:809892.4/46

Out: -0.999+/-0.014 χ^2/NDF:889730.7/50

All: -1.017+/-0.010 χ^2/NDF: 1699626.3/97



Right In: -25.058+/-0.300 χ^2/NDF: 1934.8/23

Left Out: -10.013+/-0.244 χ^2/NDF:4977.5/23

Right Out: -22.069+/-0.278 χ^2/NDF: 2003.0/26

Left In: -8.689+/-0.248 χ^2/NDF:5021.6/22

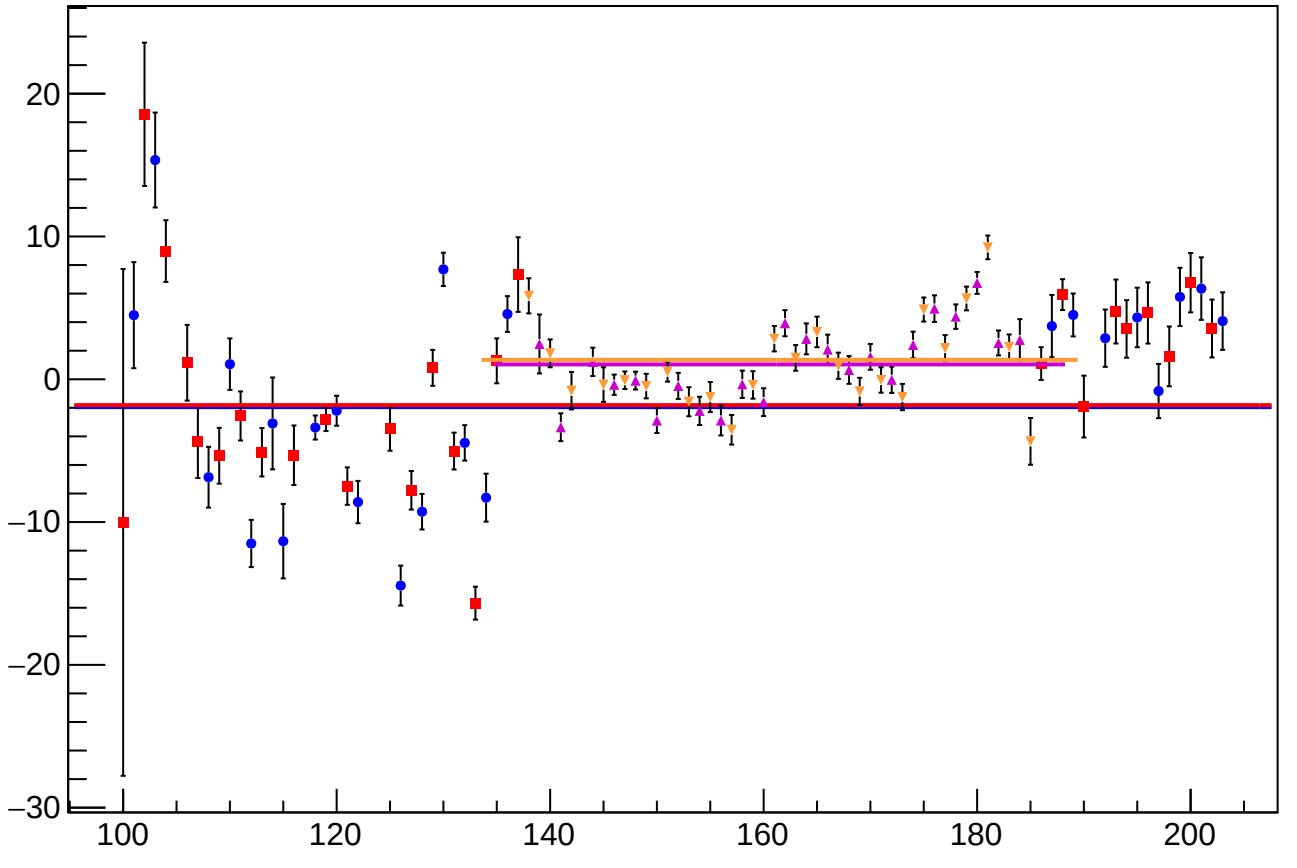
Left: -9.360+/-0.174 χ^2/NDF: 10013.6/46

Right: -23.450+/-0.204 χ^2/NDF: 3991.2/50

In: -15.323+/-0.191 χ^2/NDF:8726.9/46

Out: -15.264+/-0.184 χ^2/NDF:8041.0/50

All: -15.293+/-0.132 χ^2/NDF: 16767.9/97



Right In: -1.950+/-0.321 χ^2/NDF: 414.2/23

Left Out: 1.361+/-0.188 χ^2/NDF:240.3/23

Right Out: -1.810+/-0.309 χ^2/NDF: 375.7/26

Left In: 1.041+/-0.192 χ^2/NDF:196.1/22

Left: 1.204+/-0.135 χ^2/NDF: 437.8/46

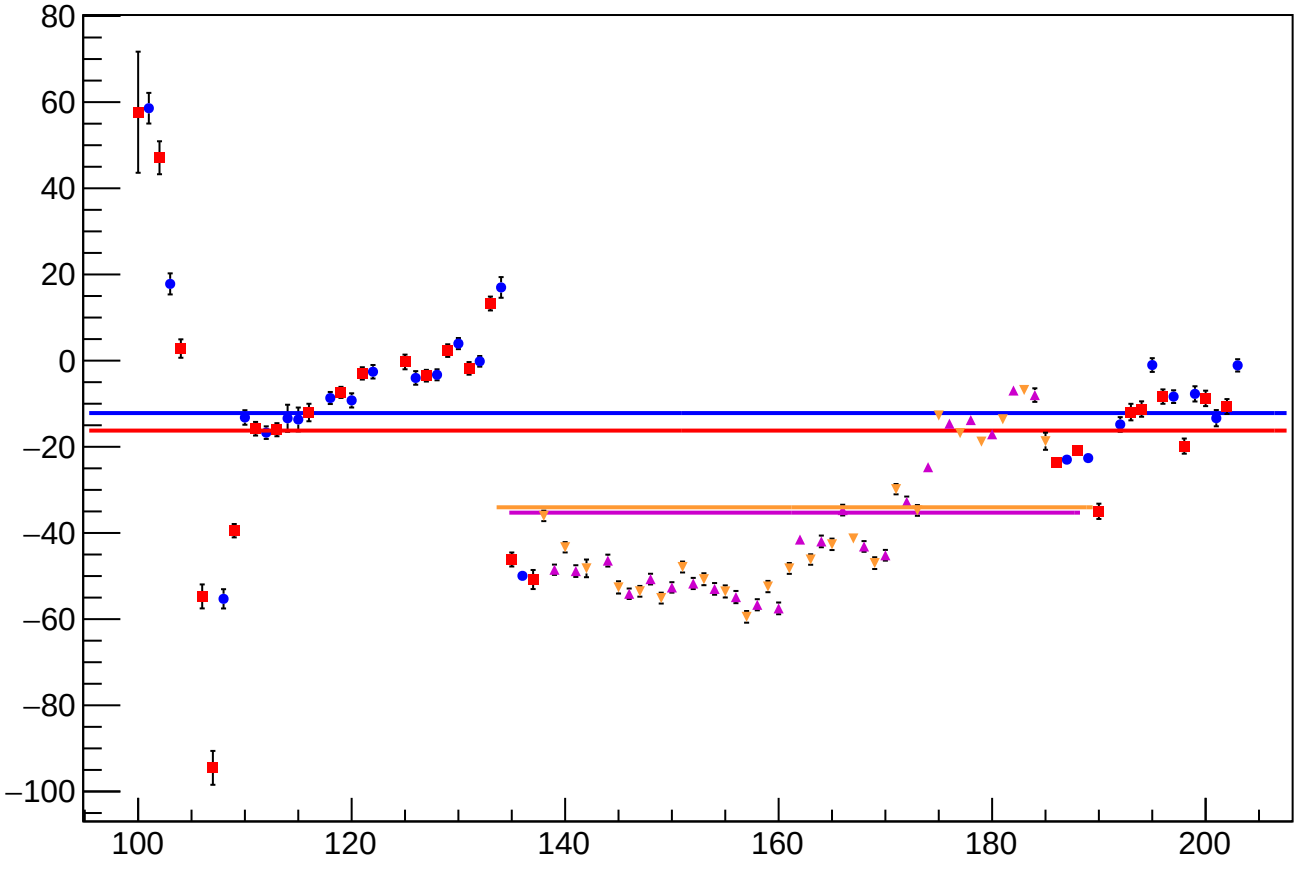
Right: -1.877+/-0.223 χ^2/NDF: 790.0/50

In: 0.250+/-0.165 χ^2/NDF:674.2/46

Out: 0.502+/-0.161 χ^2/NDF:692.8/50

All: 0.379+/-0.115 χ^2/NDF: 1368.2/97

reg_asym_us_dd_atlr_dd_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -12.171+/-0.317 χ^2/NDF: 2967.9/23

Left Out: -34.036+/-0.243 χ^2/NDF:4965.7/23

Right Out: -16.235+/-0.283 χ^2/NDF: 3020.2/26

Left In: -35.285+/-0.245 χ^2/NDF:4998.0/22

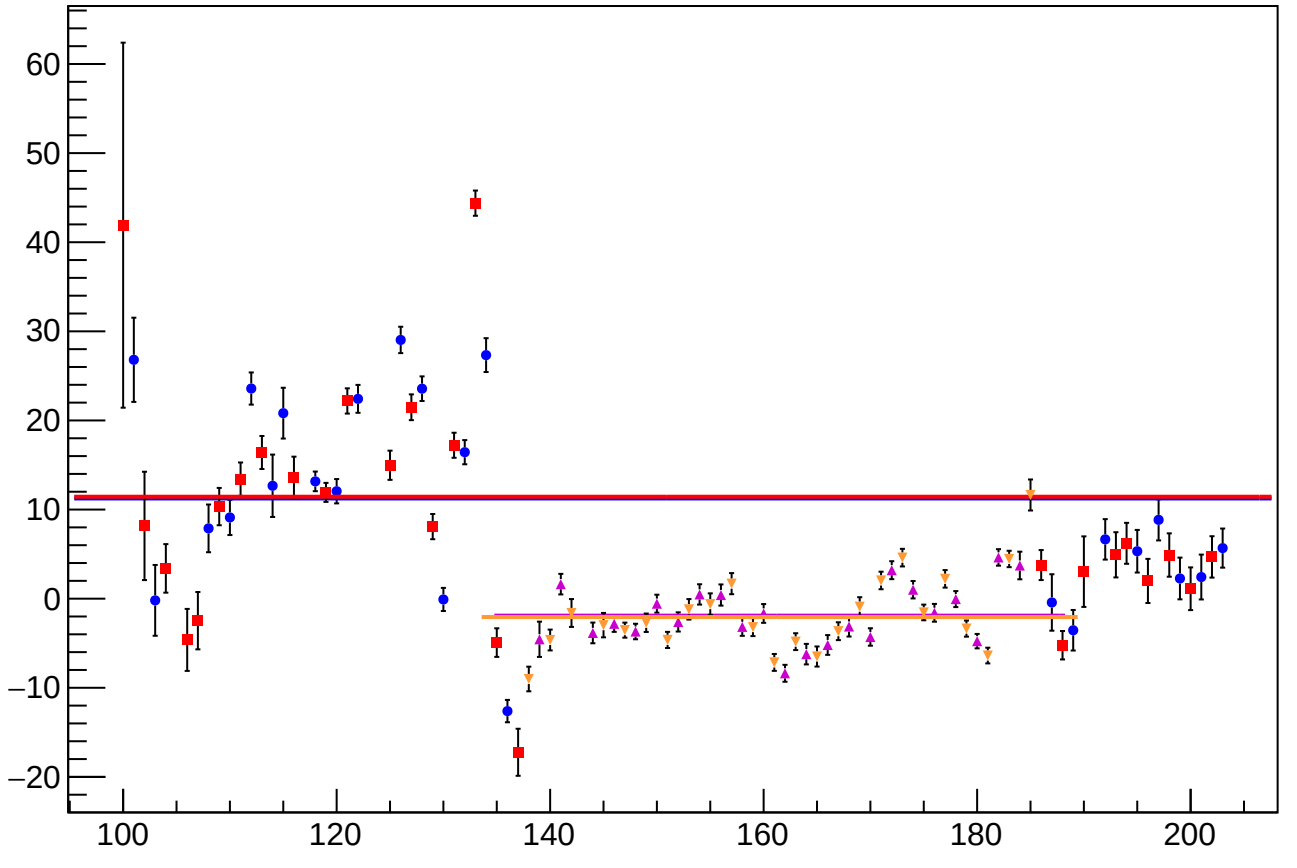
Left: -34.653+/-0.173 χ^2/NDF: 9976.8/46

Right: -14.436+/-0.211 χ^2/NDF: 6079.5/50

In: -26.631+/-0.194 χ^2/NDF:11286.8/46

Out: -26.491+/-0.184 χ^2/NDF:10269.1/50

All: -26.557+/-0.134 χ^2/NDF: 21556.2/97



Right In: 11.246+/-0.372 χ^2/NDF: 983.2/23

Left Out: -2.062+/-0.212 χ^2/NDF:332.4/23

Right Out: 11.440+/-0.366 χ^2/NDF: 1152.8/26

Left In: -1.905+/-0.216 χ^2/NDF:222.1/22

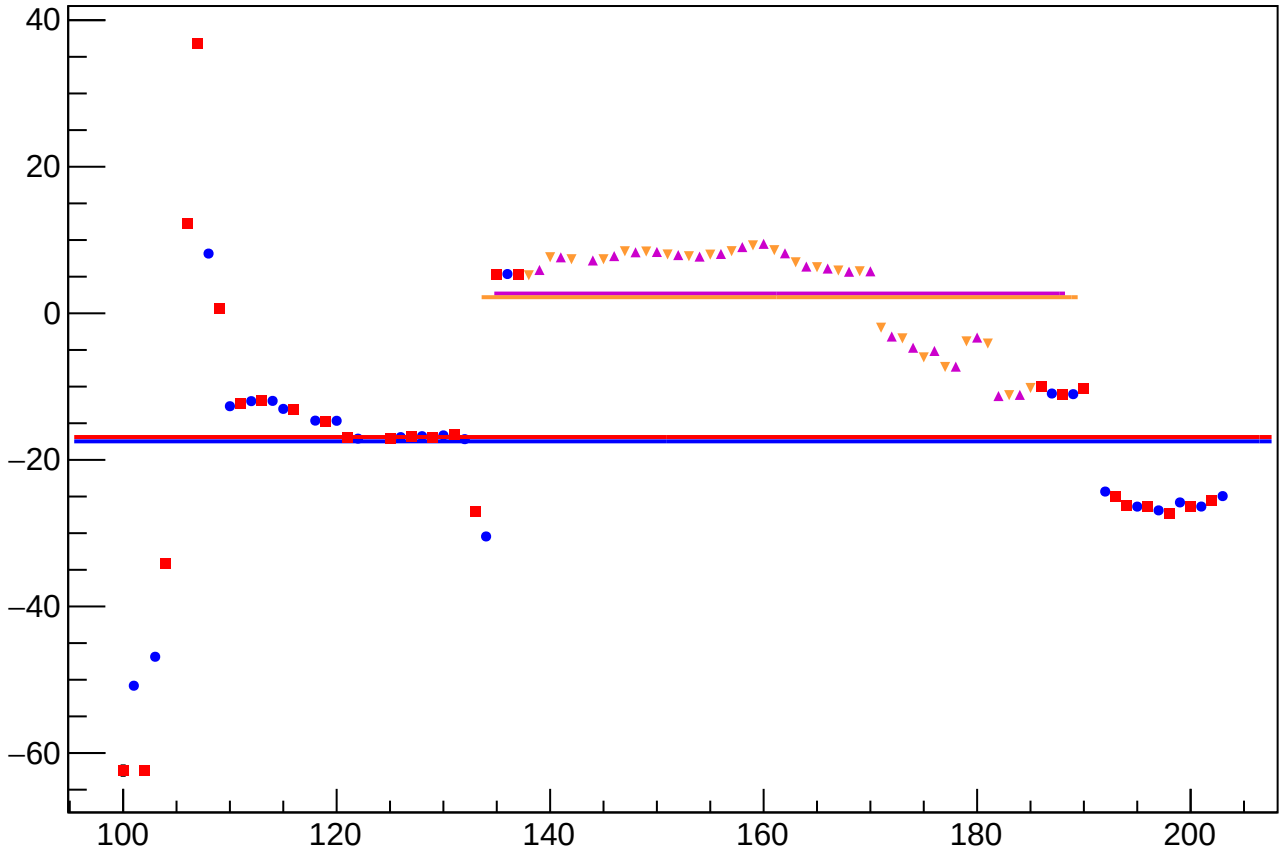
Left: -1.985+/-0.151 χ^2/NDF: 554.7/46

Right: 11.344+/-0.261 χ^2/NDF: 2136.2/50

In: 1.410+/-0.187 χ^2/NDF:2138.1/46

Out: 1.330+/-0.184 χ^2/NDF:2501.9/50

All: 1.369+/-0.131 χ^2/NDF: 4640.1/97



Right In: -17.469+/-0.019 χ^2/NDF: 495908.3/23

Left Out: 2.198+/-0.009 χ^2/NDF:508502.1/23

Right Out: -16.880+/-0.019 χ^2/NDF: 572710.7/26

Left In: 2.694+/-0.010 χ^2/NDF:498824.3/22

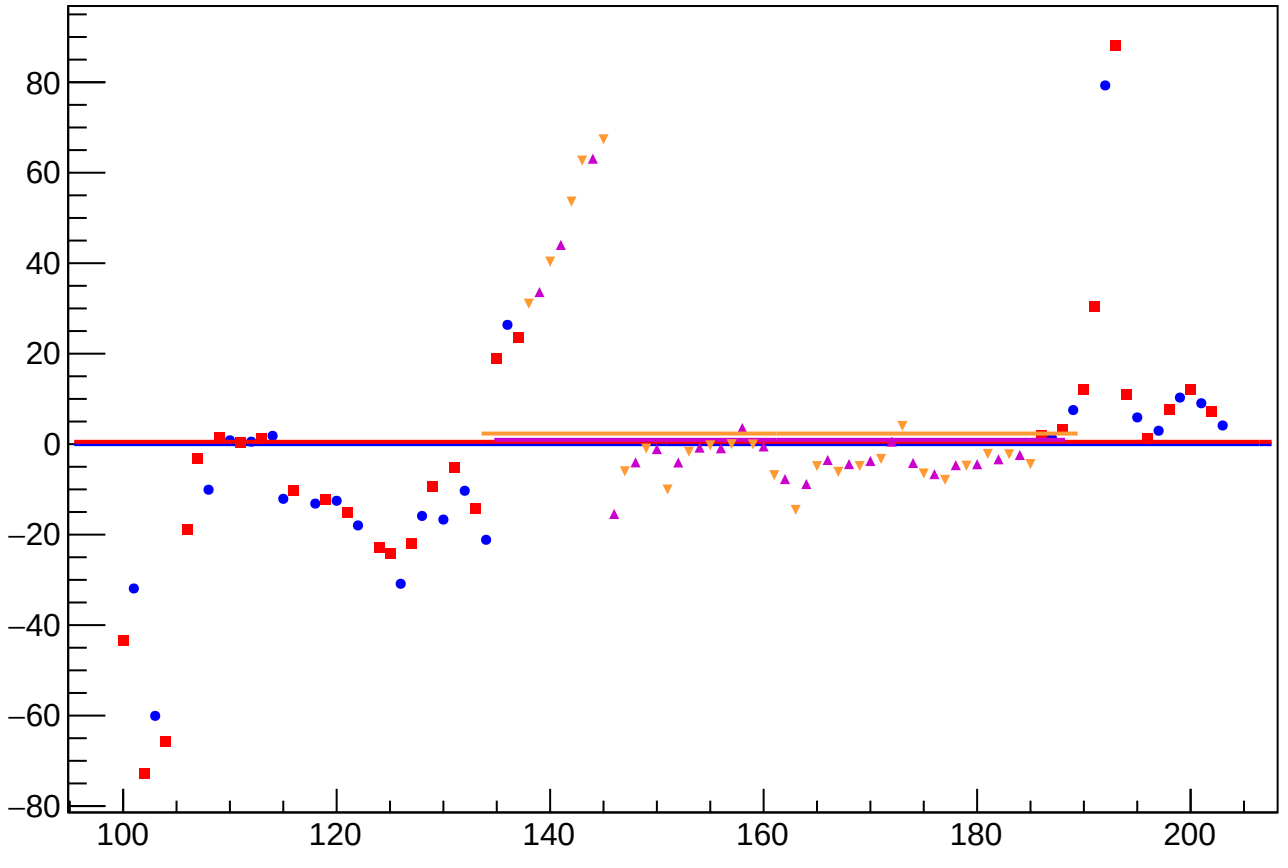
Left: 2.445+/-0.007 χ^2/NDF: 1008683.1/46

Right: -17.169+/-0.013 χ^2/NDF: 1069099.7/50

In: -1.316+/-0.009 χ^2/NDF:1880894.1/46

Out: -1.666+/-0.008 χ^2/NDF:1898891.8/50

All: -1.493+/-0.006 χ^2/NDF: 3780629.4/97



Right In: 0.001+/-0.044 χ^2/NDF: 117785.4/23

Left Out: 2.341+/-0.040 χ^2/NDF:176986.1/24

Right Out: 0.518+/-0.038 χ^2/NDF: 119544.6/28

Left In: 0.957+/-0.040 χ^2/NDF:132519.8/22

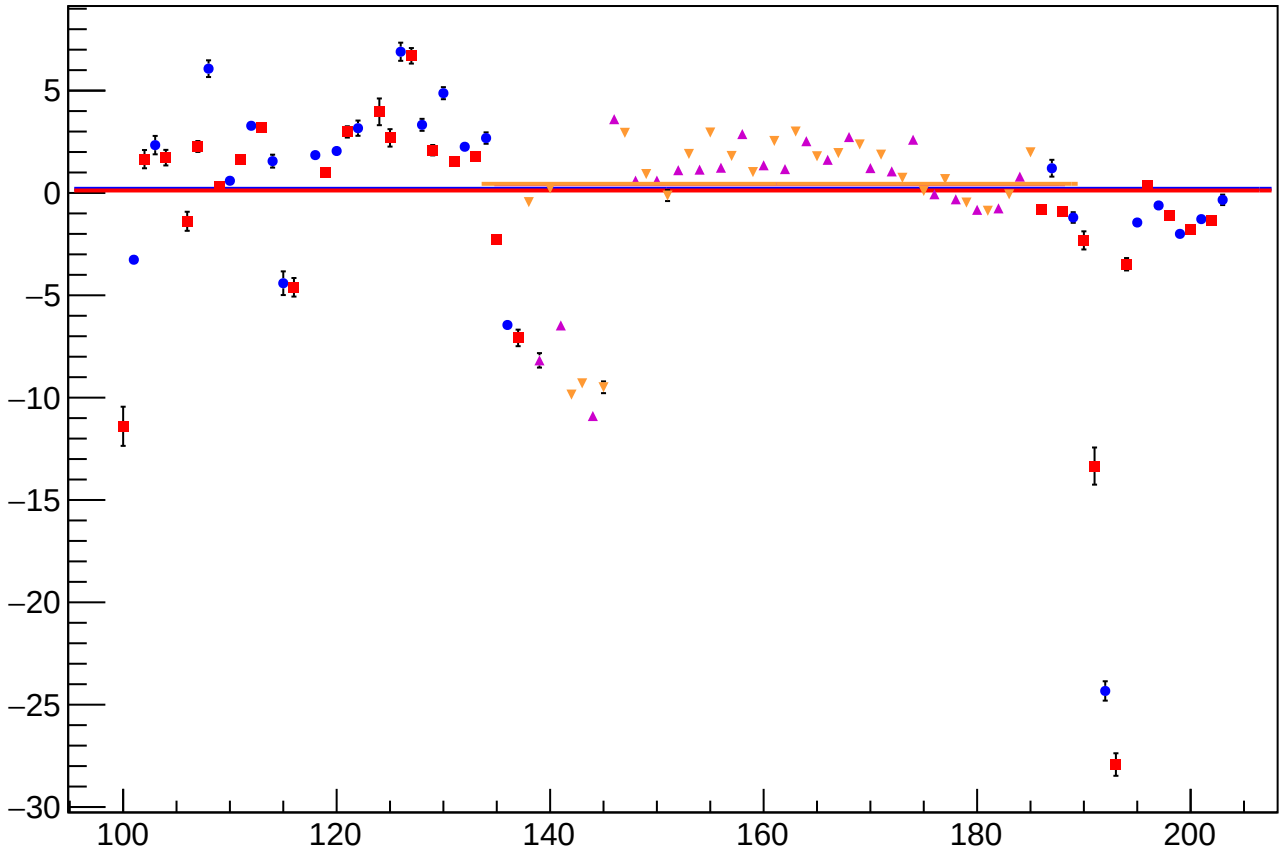
Left: 1.643+/-0.028 χ^2/NDF: 310101.9/47

Right: 0.298+/-0.029 χ^2/NDF: 237409.7/52

In: 0.524+/-0.030 χ^2/NDF:250564.8/46

Out: 1.372+/-0.028 χ^2/NDF:297621.2/53

All: 0.977+/-0.020 χ^2/NDF: 548626.4/100



Right In: 0.202+/-0.049 χ^2/NDF: 5821.4/23

Left Out: 0.446+/-0.033 χ^2/NDF:7044.3/24

Right Out: 0.121+/-0.046 χ^2/NDF: 5068.4/28

Left In: 0.427+/-0.031 χ^2/NDF:7102.3/22

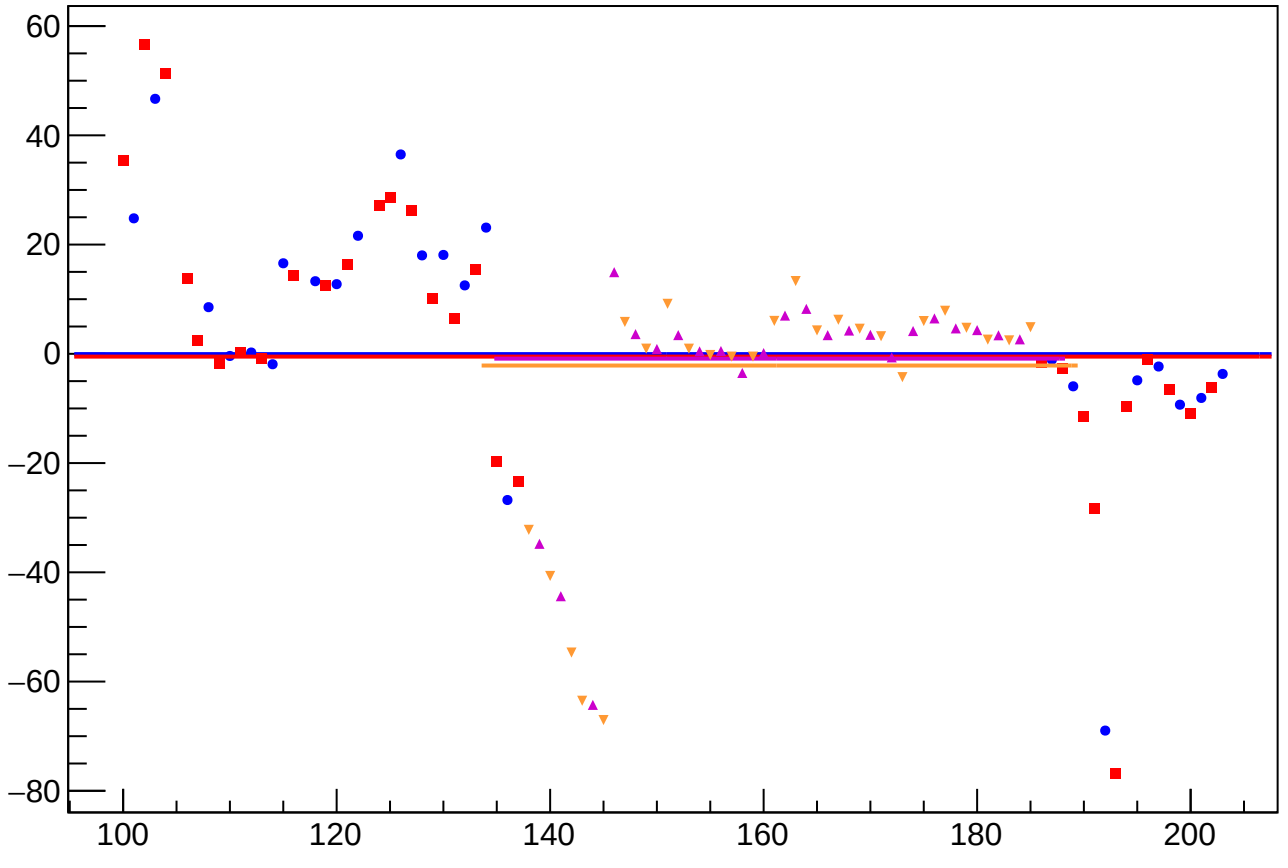
Left: 0.436+/-0.023 χ^2/NDF: 14146.8/47

Right: 0.159+/-0.034 χ^2/NDF: 10891.3/52

In: 0.362+/-0.026 χ^2/NDF:12938.6/46

Out: 0.337+/-0.027 χ^2/NDF:12145.5/53

All: 0.350+/-0.019 χ^2/NDF: 25084.6/100



Right In: -0.054+/-0.046 χ^2/NDF: 116918.9/23

Left Out: -2.143+/-0.040 χ^2/NDF:171271.2/24

Right Out: -0.510+/-0.040 χ^2/NDF: 118015.8/28

Left In: -0.881+/-0.039 χ^2/NDF:129197.8/22

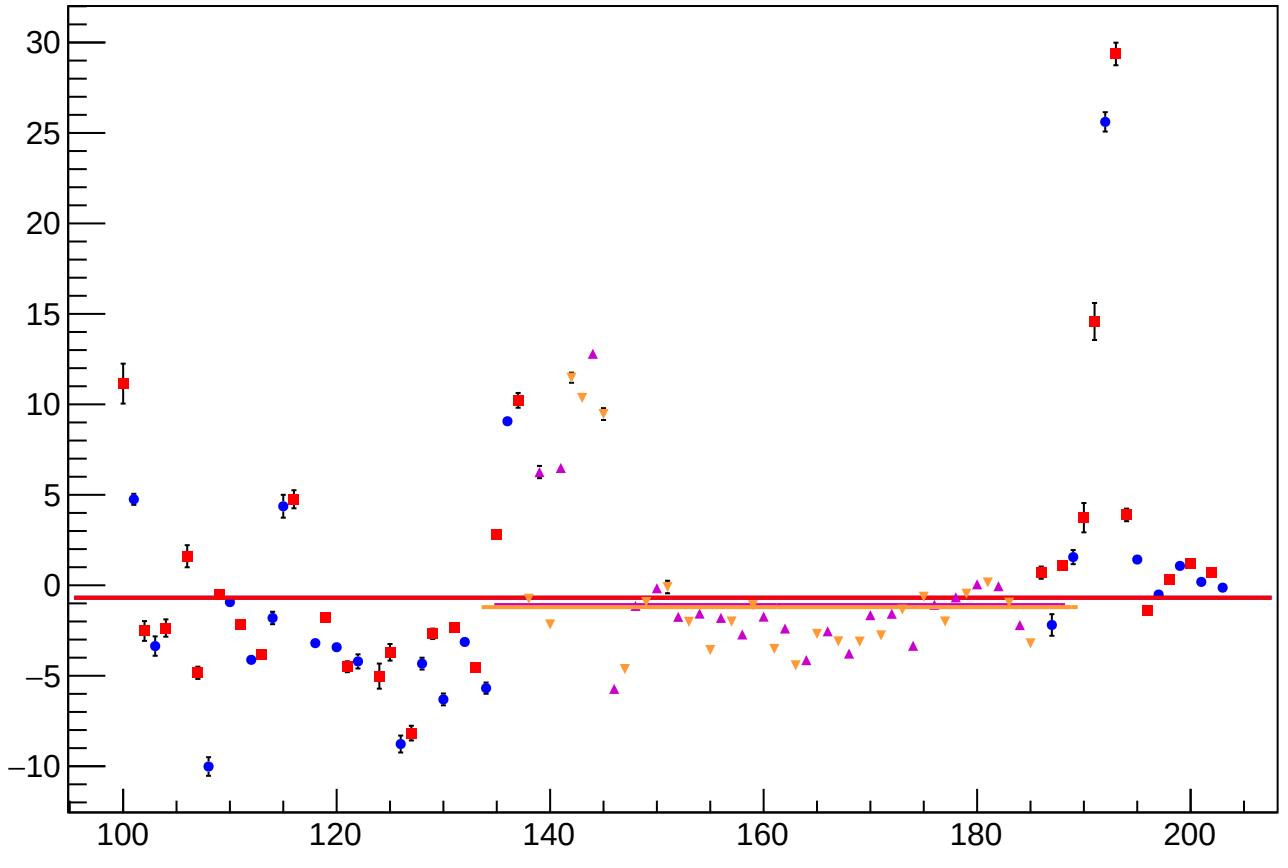
Left: -1.498+/-0.028 χ^2/NDF: 300971.3/47

Right: -0.310+/-0.030 χ^2/NDF: 234990.7/52

In: -0.529+/-0.030 χ^2/NDF:246305.2/46

Out: -1.327+/-0.028 χ^2/NDF:290109.0/53

All: -0.946+/-0.021 χ^2/NDF: 536789.8/100



Right In: -0.687+/-0.058 χ^2/NDF: 7309.0/23

Left Out: -1.206+/-0.036 χ^2/NDF:7003.0/24

Right Out: -0.685+/-0.054 χ^2/NDF: 5600.6/28

Left In: -1.094+/-0.035 χ^2/NDF:7029.2/22

Left: -1.147+/-0.025 χ^2/NDF: 14037.2/47

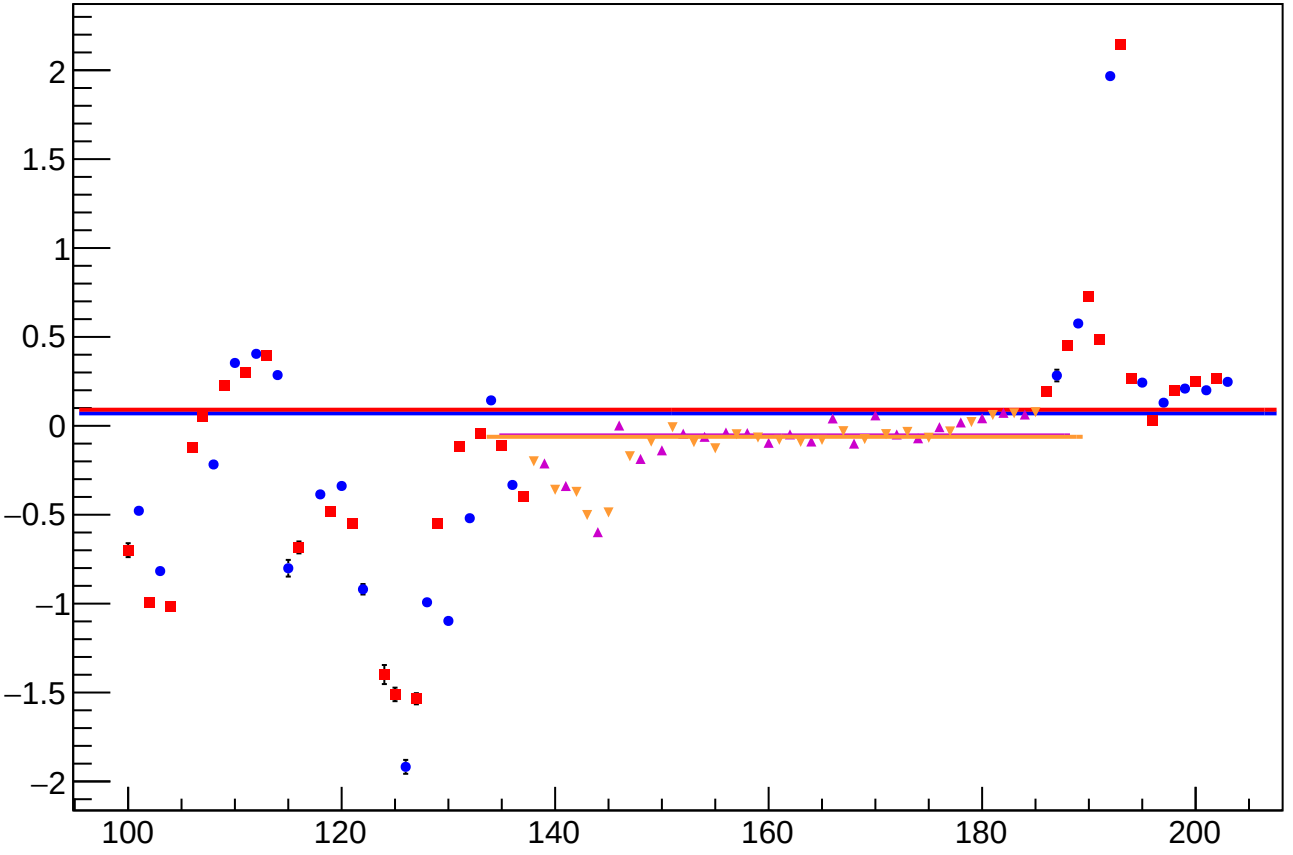
Right: -0.686+/-0.039 χ^2/NDF: 12909.6/52

In: -0.985+/-0.030 χ^2/NDF:14374.6/46

Out: -1.045+/-0.030 χ^2/NDF:12667.4/53

All: -1.014+/-0.021 χ^2/NDF: 27044.0/100

reg_asym_bcm_an_ds3_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.070+/-0.003 χ^2/NDF: 33922.2/23

Left Out: -0.062+/-0.002 χ^2/NDF:5711.9/24

Right Out: 0.091+/-0.002 χ^2/NDF: 34469.6/28

Left In: -0.054+/-0.001 χ^2/NDF:5029.9/22

Left: -0.058+/-0.001 χ^2/NDF: 10754.7/47

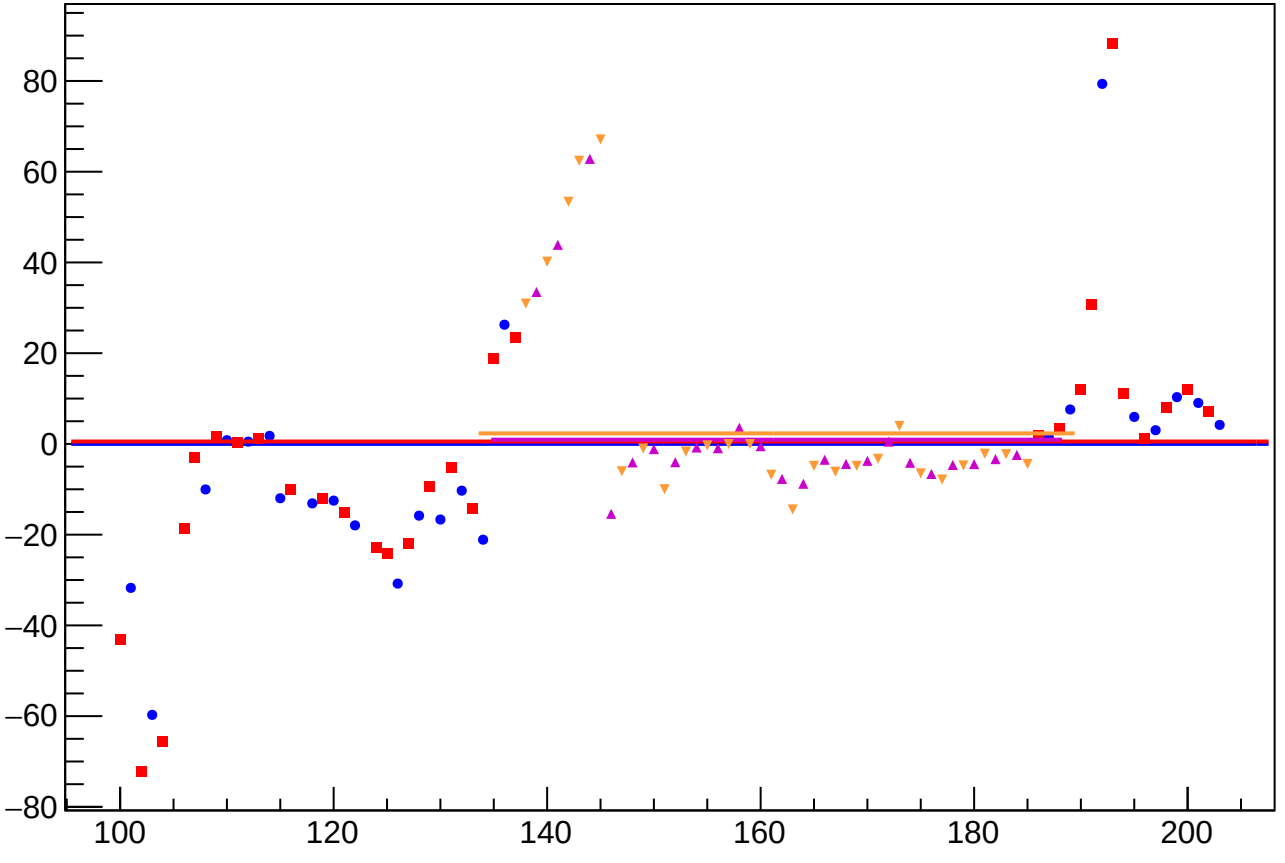
Right: 0.081+/-0.002 χ^2/NDF: 68425.1/52

In: -0.023+/-0.001 χ^2/NDF:40682.5/46

Out: -0.018+/-0.001 χ^2/NDF:42848.6/53

All: -0.020+/-0.001 χ^2/NDF: 83538.4/100

reg_asym_bcm_an_ds_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.012+/-0.044 χ^2/NDF: 118225.2/23

Left Out: 2.318+/-0.040 χ^2/NDF:176746.3/24

Right Out: 0.530+/-0.038 χ^2/NDF: 120042.0/28

Left In: 0.935+/-0.040 χ^2/NDF:132405.3/22

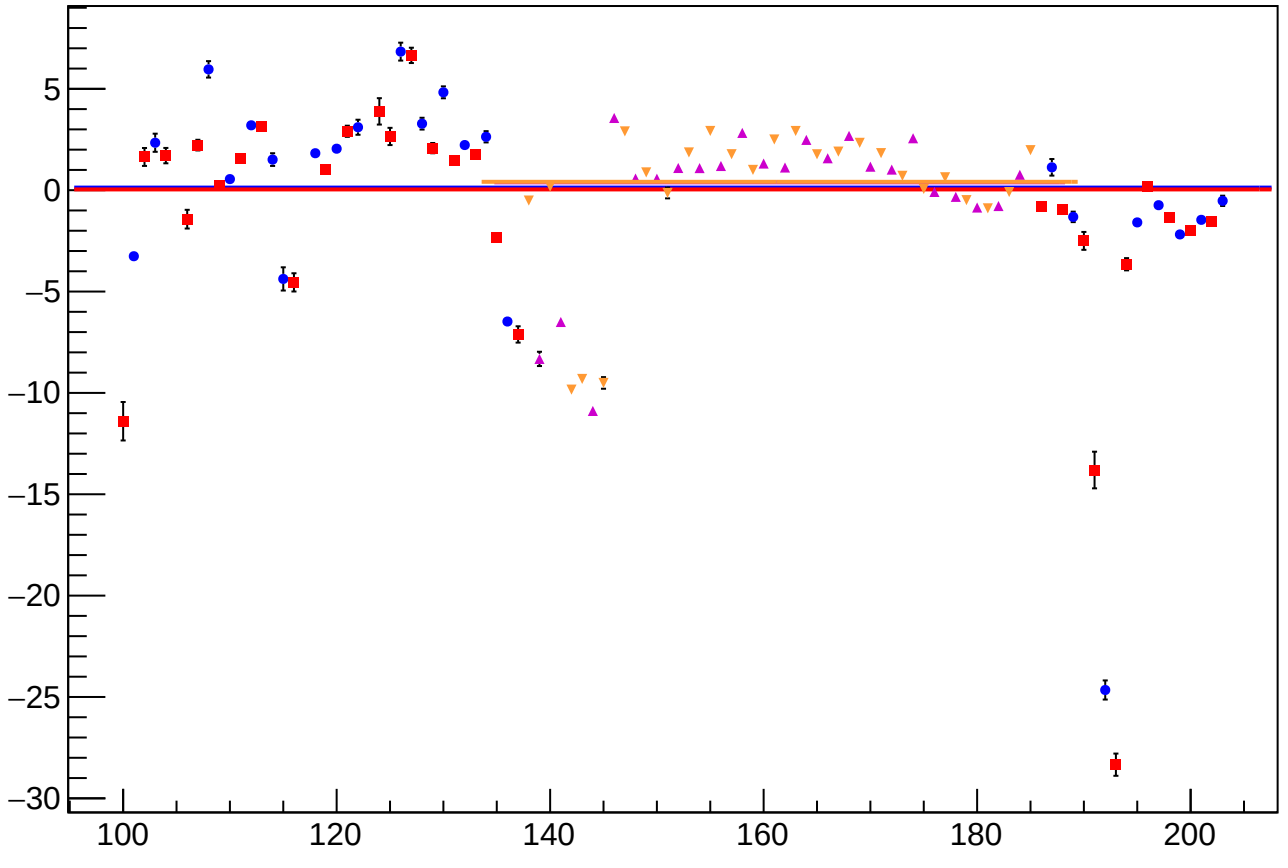
Left: 1.621+/-0.028 χ^2/NDF: 309750.0/47

Right: 0.310+/-0.028 χ^2/NDF: 238347.9/52

In: 0.516+/-0.029 χ^2/NDF:250874.5/46

Out: 1.364+/-0.027 χ^2/NDF:297847.8/53

All: 0.970+/-0.020 χ^2/NDF: 549167.0/100



Right In: 0.128+/-0.049 χ^2/NDF: 5954.9/23

Left Out: 0.414+/-0.033 χ^2/NDF:7047.2/24

Right Out: 0.038+/-0.046 χ^2/NDF: 5239.4/28

Left In: 0.389+/-0.031 χ^2/NDF:7114.2/22

Left: 0.401+/-0.023 χ^2/NDF: 14161.7/47

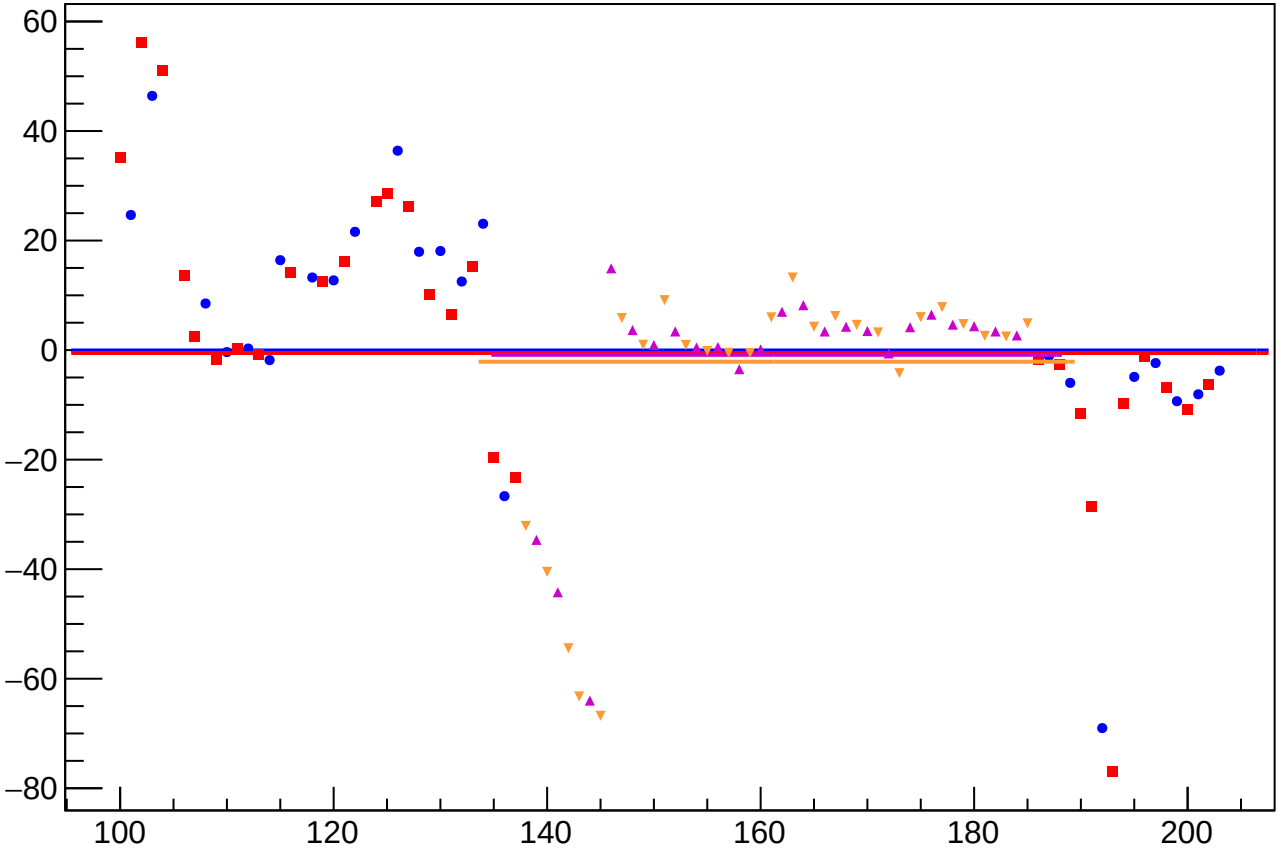
Right: 0.080+/-0.034 χ^2/NDF: 11196.1/52

In: 0.313+/-0.026 χ^2/NDF:13089.3/46

Out: 0.287+/-0.027 χ^2/NDF:12330.9/53

All: 0.301+/-0.019 χ^2/NDF: 25420.6/100

reg_asym_bcm_an_ds_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -0.071+/-0.045 χ^2/NDF: 117339.1/23

Left Out: -2.119+/-0.040 χ^2/NDF:171039.7/24

Right Out: -0.529+/-0.040 χ^2/NDF: 118499.4/28

Left In: -0.859+/-0.039 χ^2/NDF:129084.9/22

Left: -1.475+/-0.028 χ^2/NDF: 300629.4/47

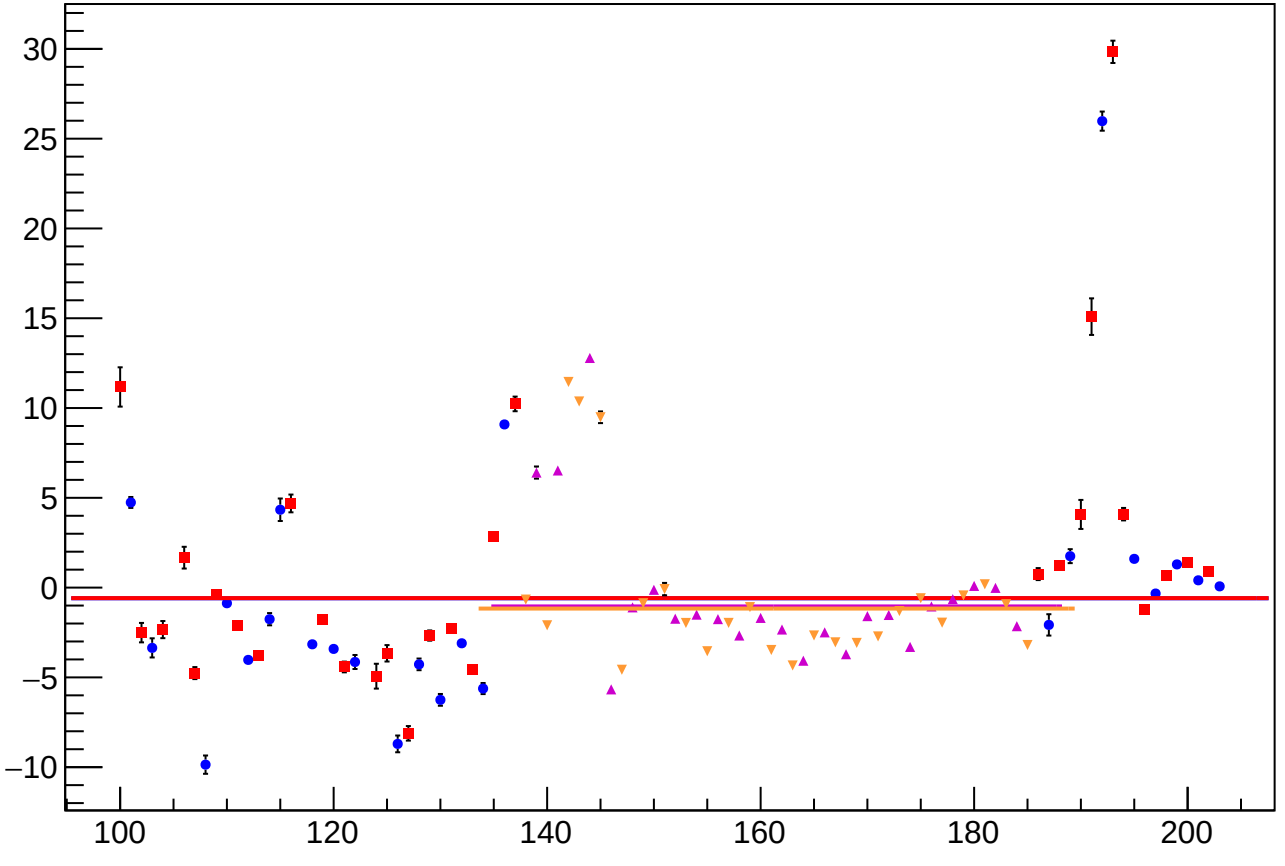
Right: -0.328+/-0.030 χ^2/NDF: 235895.8/52

In: -0.522+/-0.030 χ^2/NDF:246596.3/46

Out: -1.322+/-0.028 χ^2/NDF:290327.1/53

All: -0.941+/-0.020 χ^2/NDF: 537303.6/100

reg_asym_bcm_an_ds_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -0.597+/-0.057 χ^2/NDF: 7423.1/23

Left Out: -1.167+/-0.036 χ^2/NDF:7001.4/24

Right Out: -0.585+/-0.054 χ^2/NDF: 5760.2/28

Left In: -1.048+/-0.035 χ^2/NDF:7040.7/22

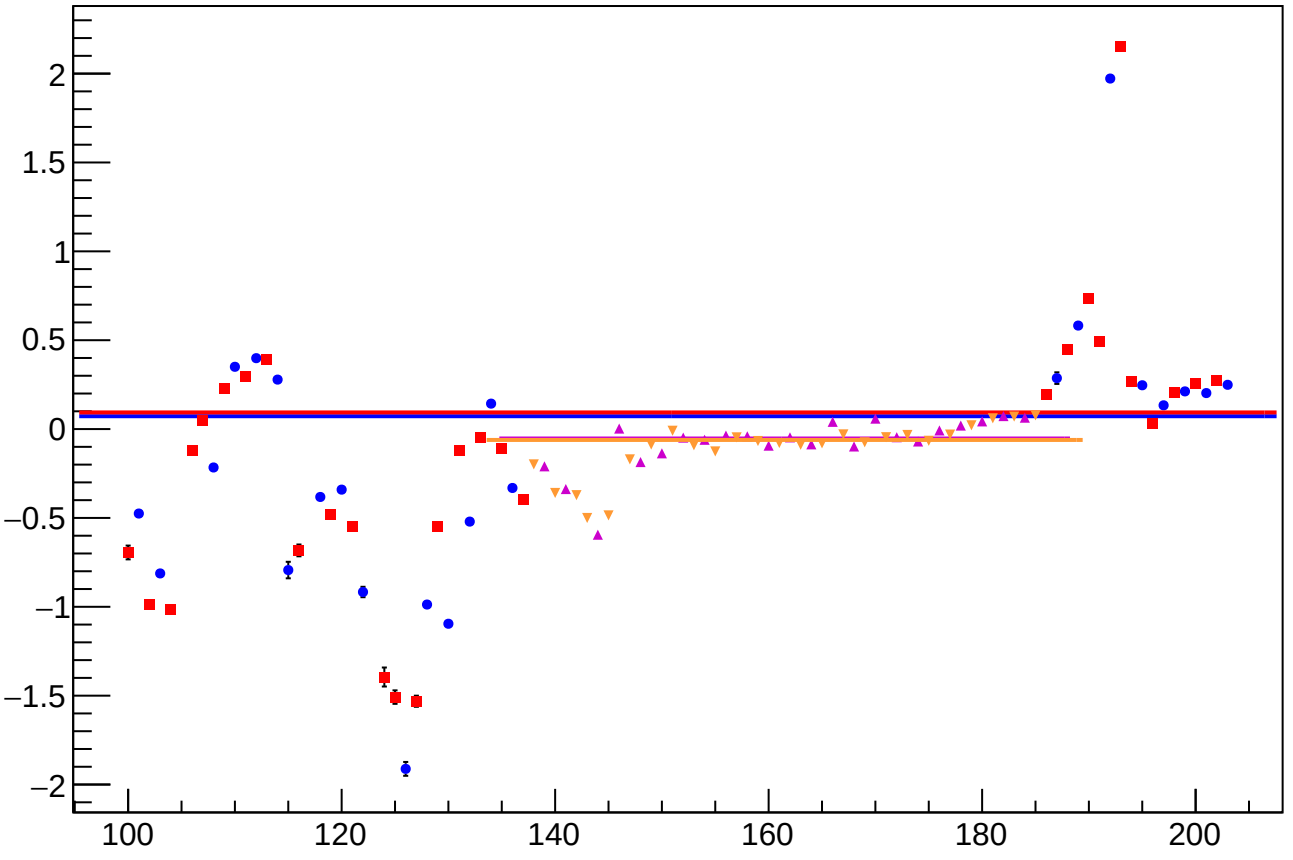
Left: -1.105+/-0.025 χ^2/NDF: 14047.8/47

Right: -0.591+/-0.039 χ^2/NDF: 13183.3/52

In: -0.927+/-0.030 χ^2/NDF:14509.2/46

Out: -0.987+/-0.030 χ^2/NDF:12842.0/53

All: -0.956+/-0.021 χ^2/NDF: 27353.3/100



Right In: 0.072+/-0.003 χ^2/NDF: 34195.2/23

Left Out: -0.061+/-0.002 χ^2/NDF:5729.4/24

Right Out: 0.094+/-0.002 χ^2/NDF: 34785.9/28

Left In: -0.053+/-0.001 χ^2/NDF:5006.2/22

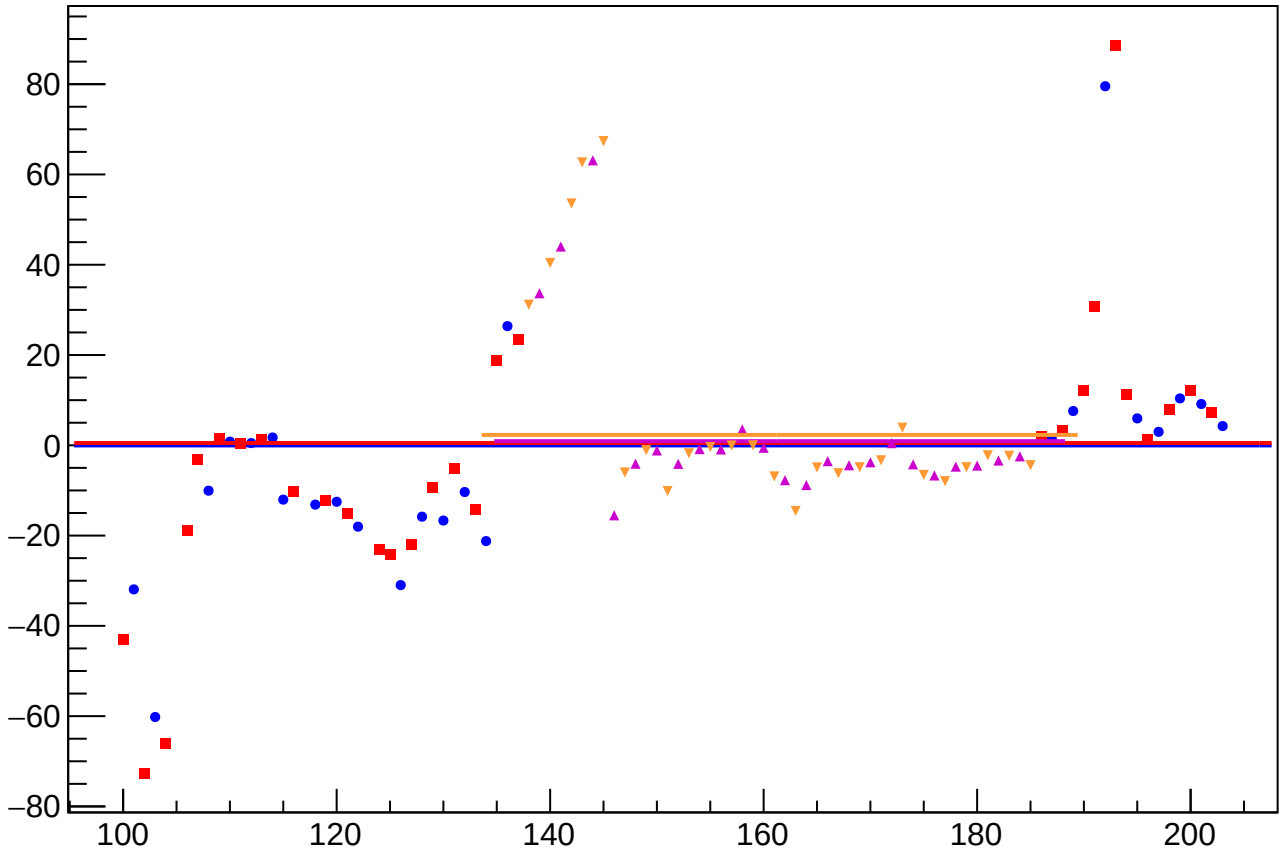
Left: -0.057+/-0.001 χ^2/NDF: 10749.6/47

Right: 0.083+/-0.002 χ^2/NDF: 69016.9/52

In: -0.021+/-0.001 χ^2/NDF:40989.1/46

Out: -0.016+/-0.001 χ^2/NDF:43294.3/53

All: -0.019+/-0.001 χ^2/NDF: 84290.7/100



Right In: -0.025+/-0.044 χ^2/NDF: 118265.7/23

Left Out: 2.296+/-0.040 χ^2/NDF:177186.2/24

Right Out: 0.507+/-0.038 χ^2/NDF: 120087.0/28

Left In: 0.912+/-0.040 χ^2/NDF:132573.8/22

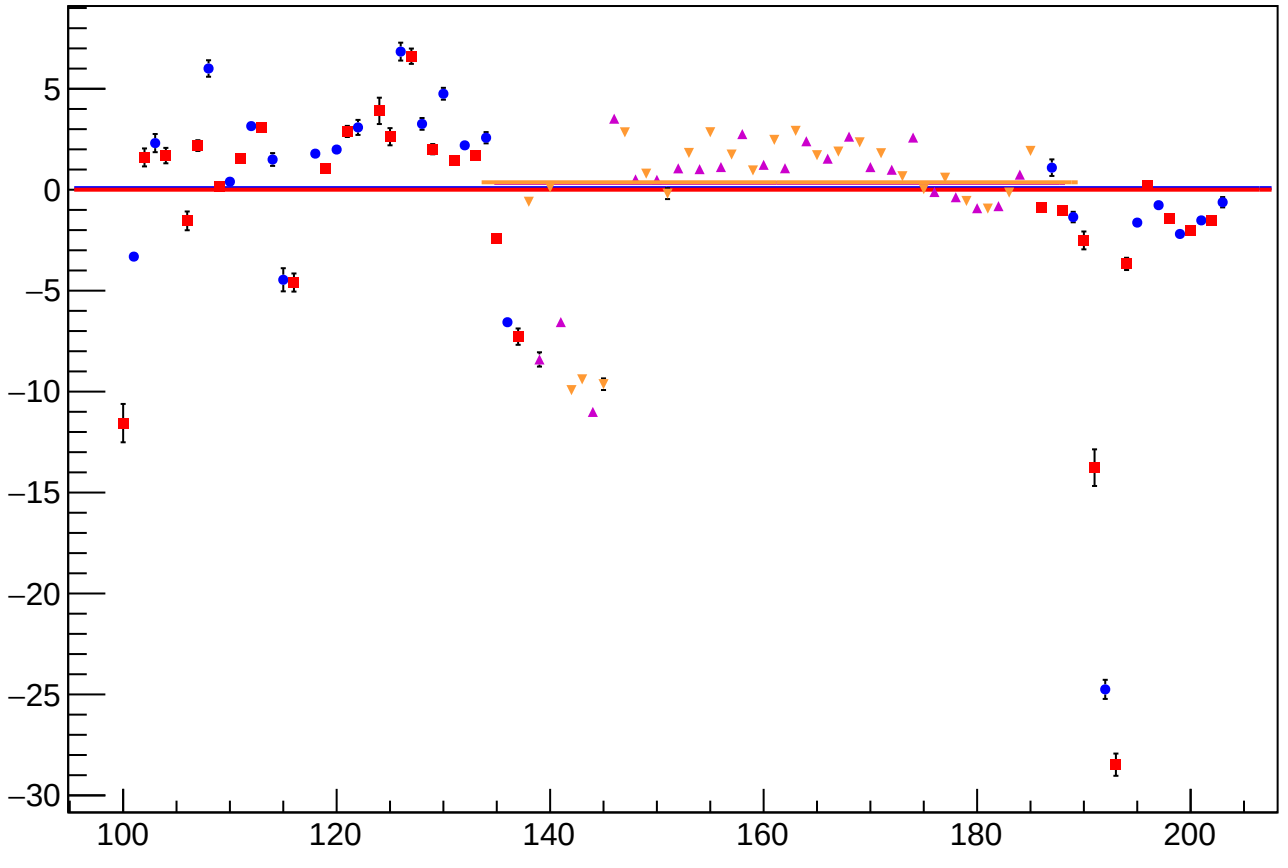
Left: 1.598+/-0.028 χ^2/NDF: 310354.3/47

Right: 0.281+/-0.029 χ^2/NDF: 238436.9/52

In: 0.488+/-0.030 χ^2/NDF:251088.4/46

Out: 1.343+/-0.028 χ^2/NDF:298323.3/53

All: 0.946+/-0.020 χ^2/NDF: 549859.0/100



Right In: 0.079+/-0.049 χ^2/NDF: 5939.9/23

Left Out: 0.368+/-0.033 χ^2/NDF:7068.0/24

Right Out: 0.002+/-0.046 χ^2/NDF: 5233.9/28

Left In: 0.337+/-0.031 χ^2/NDF:7094.3/22

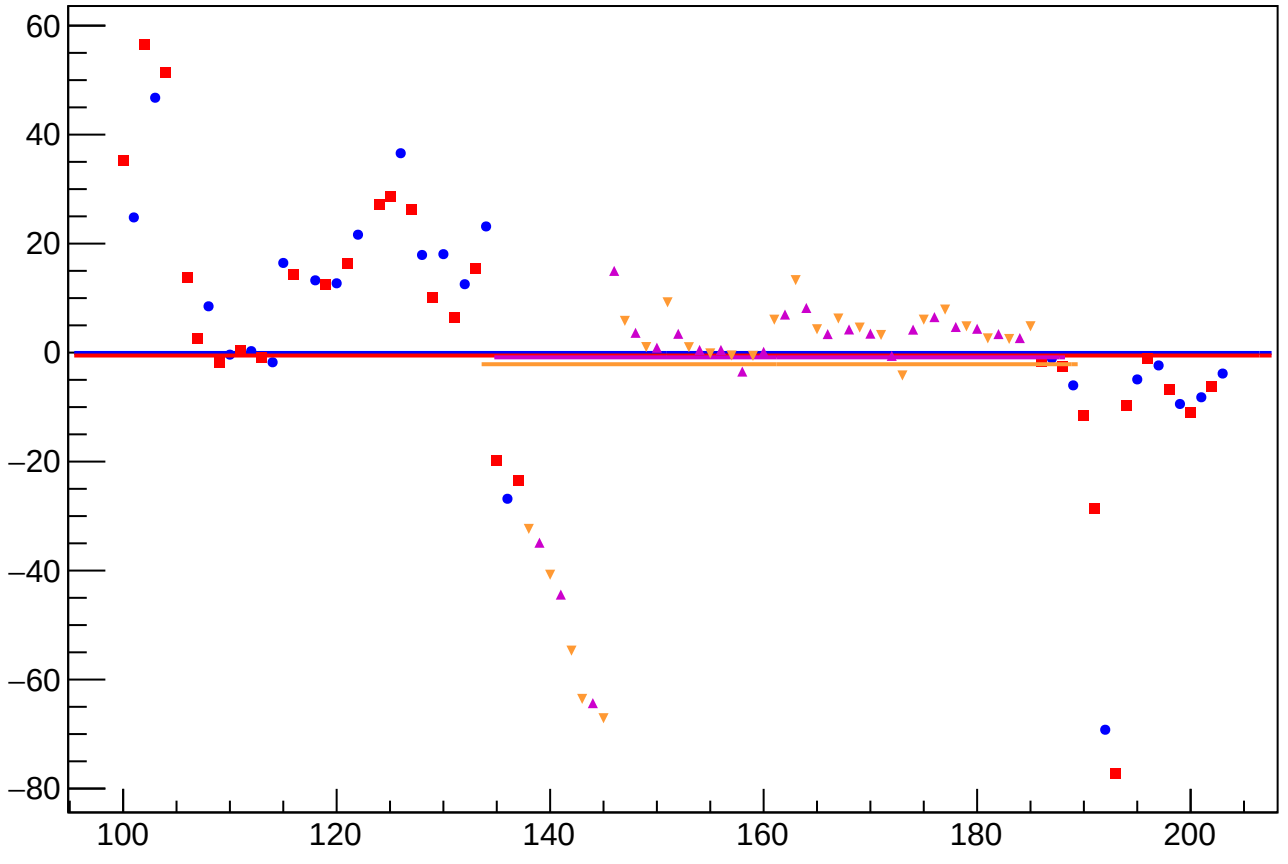
Left: 0.351+/-0.023 χ^2/NDF: 14162.7/47

Right: 0.038+/-0.034 χ^2/NDF: 11175.1/52

In: 0.262+/-0.027 χ^2/NDF:13053.6/46

Out: 0.245+/-0.027 χ^2/NDF:12343.4/53

All: 0.254+/-0.019 χ^2/NDF: 25397.2/100



Right In: -0.066+/-0.046 χ^2/NDF: 117392.8/23

Left Out: -2.133+/-0.040 χ^2/NDF:171466.8/24

Right Out: -0.537+/-0.040 χ^2/NDF: 118566.6/28

Left In: -0.871+/-0.039 χ^2/NDF:129263.4/22

Left: -1.488+/-0.028 χ^2/NDF: 301231.6/47

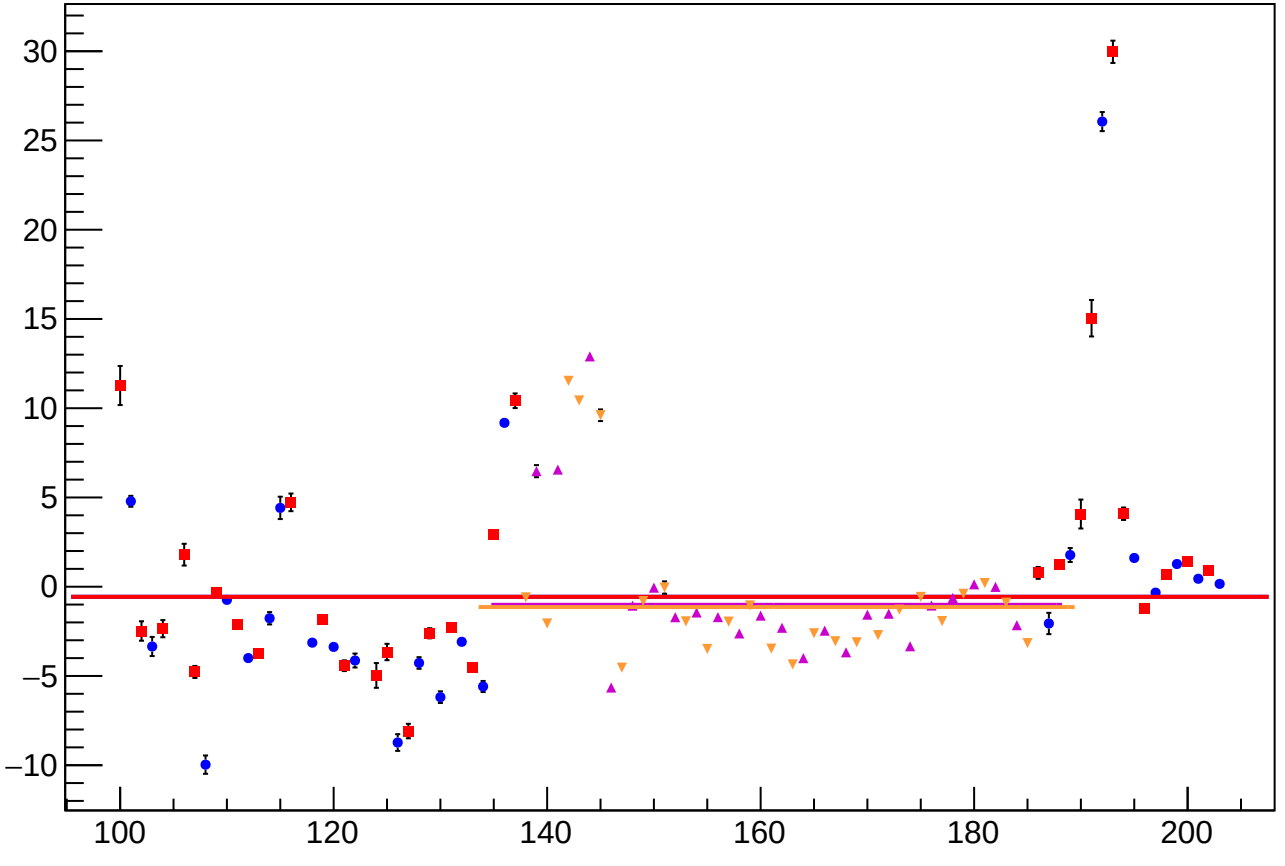
Right: -0.331+/-0.030 χ^2/NDF: 236019.3/52

In: -0.528+/-0.030 χ^2/NDF:246834.5/46

Out: -1.333+/-0.028 χ^2/NDF:290820.3/53

All: -0.950+/-0.021 χ^2/NDF: 538035.8/100

reg_asym_bcm_an_us_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -0.563+/-0.058 χ^2/NDF: 7416.5/23

Left Out: -1.140+/-0.036 χ^2/NDF:7022.9/24

Right Out: -0.567+/-0.054 χ^2/NDF: 5766.2/28

Left In: -1.013+/-0.035 χ^2/NDF:7027.2/22

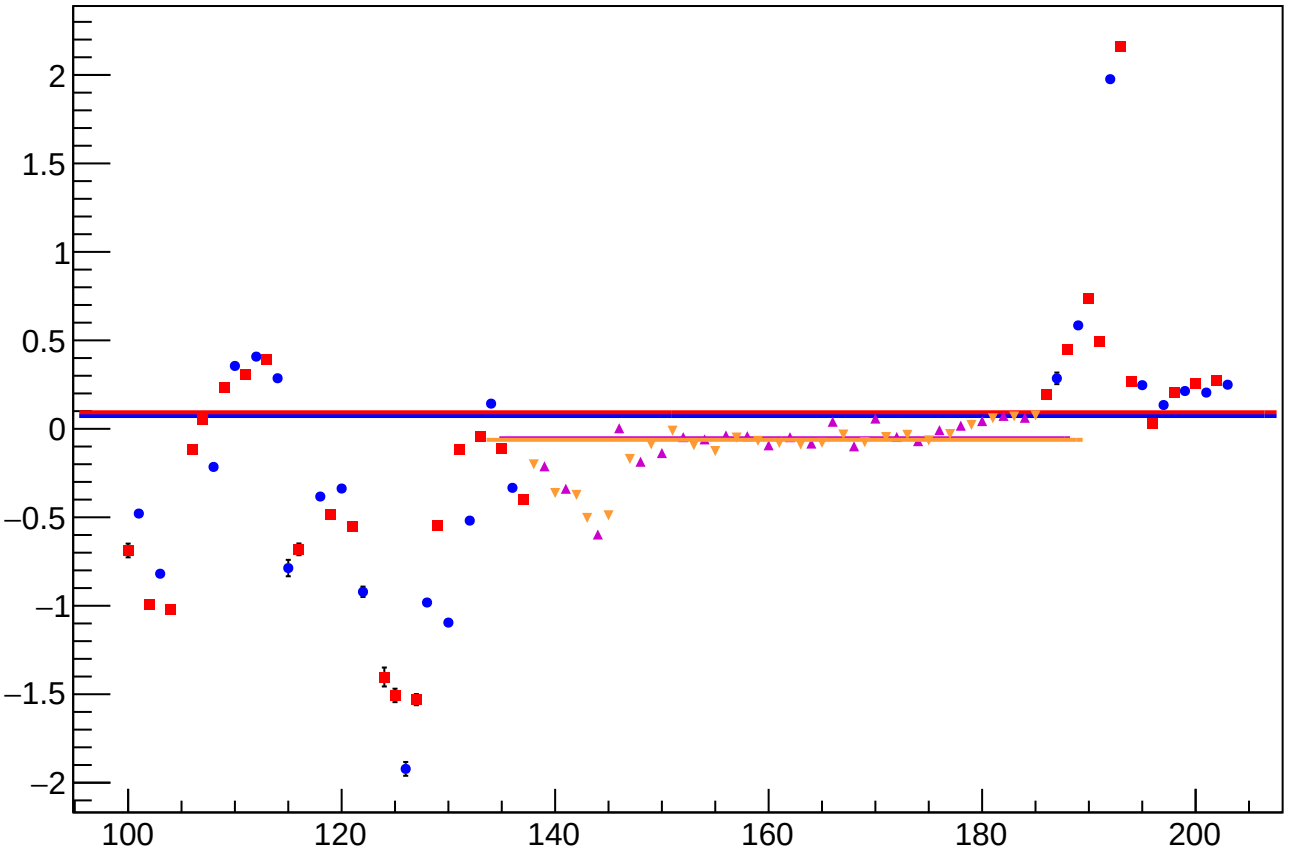
Left: -1.074+/-0.025 χ^2/NDF: 14056.4/47

Right: -0.565+/-0.039 χ^2/NDF: 13182.7/52

In: -0.893+/-0.030 χ^2/NDF:14488.4/46

Out: -0.962+/-0.030 χ^2/NDF:12866.3/53

All: -0.927+/-0.021 χ^2/NDF: 27357.4/100



Right In: 0.072+/-0.003 χ^2/NDF: 34189.1/23

Left Out: -0.062+/-0.002 χ^2/NDF:5736.1/24

Right Out: 0.094+/-0.002 χ^2/NDF: 34746.8/28

Left In: -0.053+/-0.001 χ^2/NDF:4993.7/22

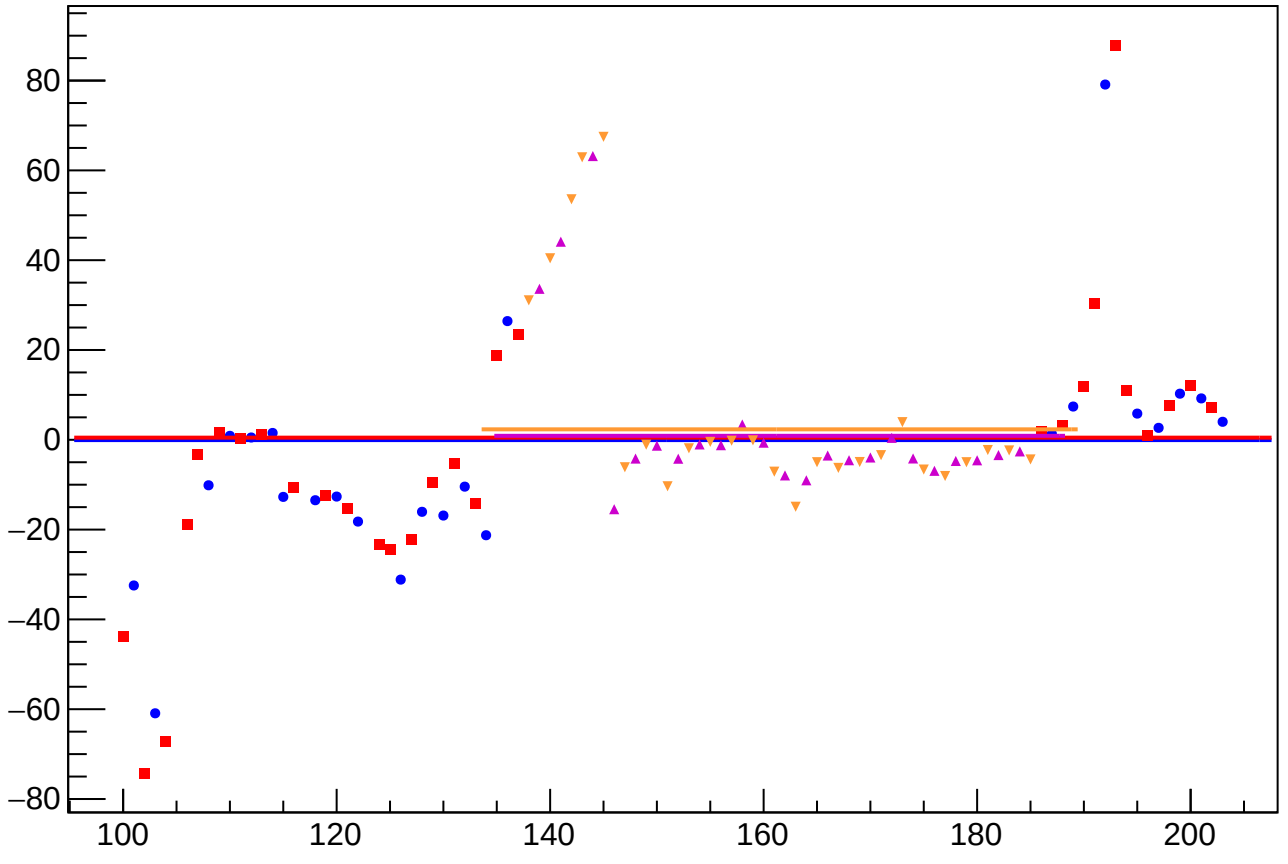
Left: -0.057+/-0.001 χ^2/NDF: 10746.2/47

Right: 0.083+/-0.002 χ^2/NDF: 68970.7/52

In: -0.022+/-0.001 χ^2/NDF:40959.0/46

Out: -0.017+/-0.001 χ^2/NDF:43263.9/53

All: -0.020+/-0.001 χ^2/NDF: 84229.0/100



Right In: -0.066+/-0.045 χ^2/NDF: 116406.7/23

Left Out: 2.329+/-0.041 χ^2/NDF:174647.6/24

Right Out: 0.476+/-0.038 χ^2/NDF: 118450.2/28

Left In: 0.887+/-0.041 χ^2/NDF:130417.3/22

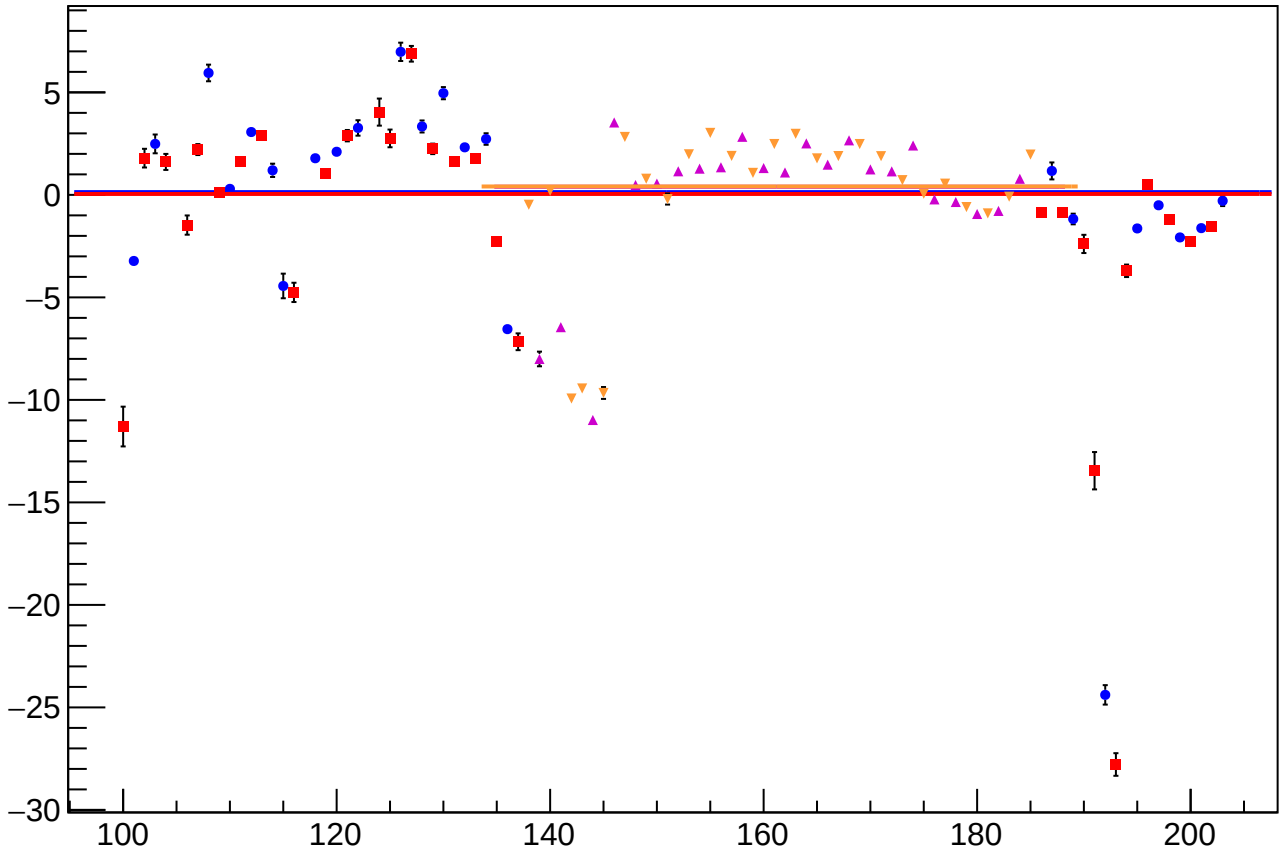
Left: 1.602+/-0.029 χ^2/NDF: 305685.7/47

Right: 0.246+/-0.029 χ^2/NDF: 234941.9/52

In: 0.453+/-0.030 χ^2/NDF:247072.9/46

Out: 1.339+/-0.028 χ^2/NDF:294184.3/53

All: 0.927+/-0.021 χ^2/NDF: 541721.9/100



Right In: 0.134+/-0.050 χ^2/NDF: 5779.9/23

Left Out: 0.410+/-0.033 χ^2/NDF:7047.9/24

Right Out: 0.045+/-0.047 χ^2/NDF: 5036.7/28

Left In: 0.396+/-0.032 χ^2/NDF:6932.0/22

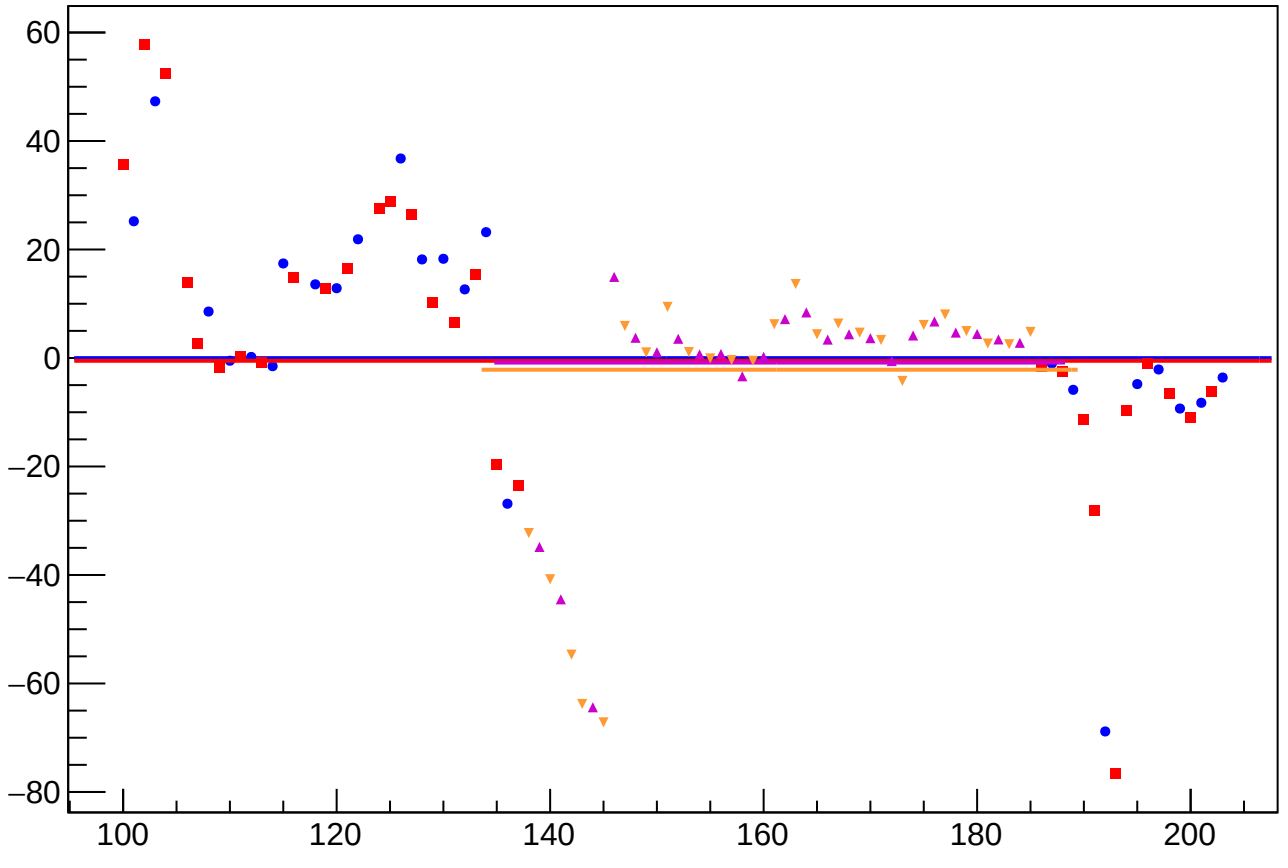
Left: 0.403+/-0.023 χ^2/NDF: 13980.0/47

Right: 0.087+/-0.034 χ^2/NDF: 10818.2/52

In: 0.320+/-0.027 χ^2/NDF:12731.4/46

Out: 0.287+/-0.027 χ^2/NDF:12124.6/53

All: 0.303+/-0.019 χ^2/NDF: 24856.7/100



Right In: -0.032+/-0.046 χ^2/NDF: 115569.5/23

Left Out: -2.163+/-0.041 χ^2/NDF:168990.2/24

Right Out: -0.512+/-0.041 χ^2/NDF: 116939.0/28

Left In: -0.843+/-0.040 χ^2/NDF:127135.3/22

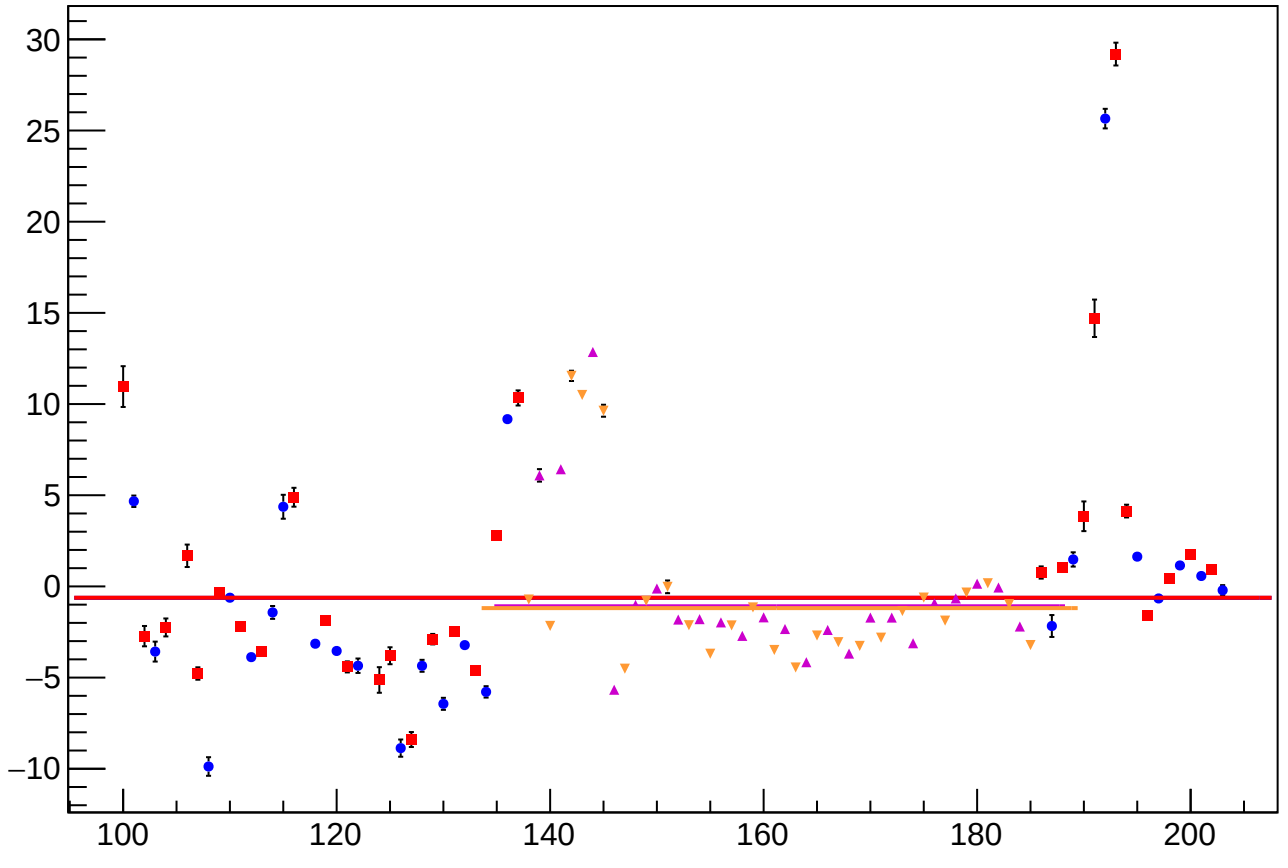
Left: -1.489+/-0.029 χ^2/NDF: 296654.1/47

Right: -0.303+/-0.031 χ^2/NDF: 232569.5/52

In: -0.494+/-0.030 χ^2/NDF:242880.1/46

Out: -1.330+/-0.029 χ^2/NDF:286745.6/53

All: -0.932+/-0.021 χ^2/NDF: 530024.3/100



Right In: -0.628+/-0.058 χ^2/NDF: 7255.2/23

Left Out: -1.190+/-0.037 χ^2/NDF:6995.9/24

Right Out: -0.620+/-0.055 χ^2/NDF: 5575.2/28

Left In: -1.089+/-0.036 χ^2/NDF:6840.8/22

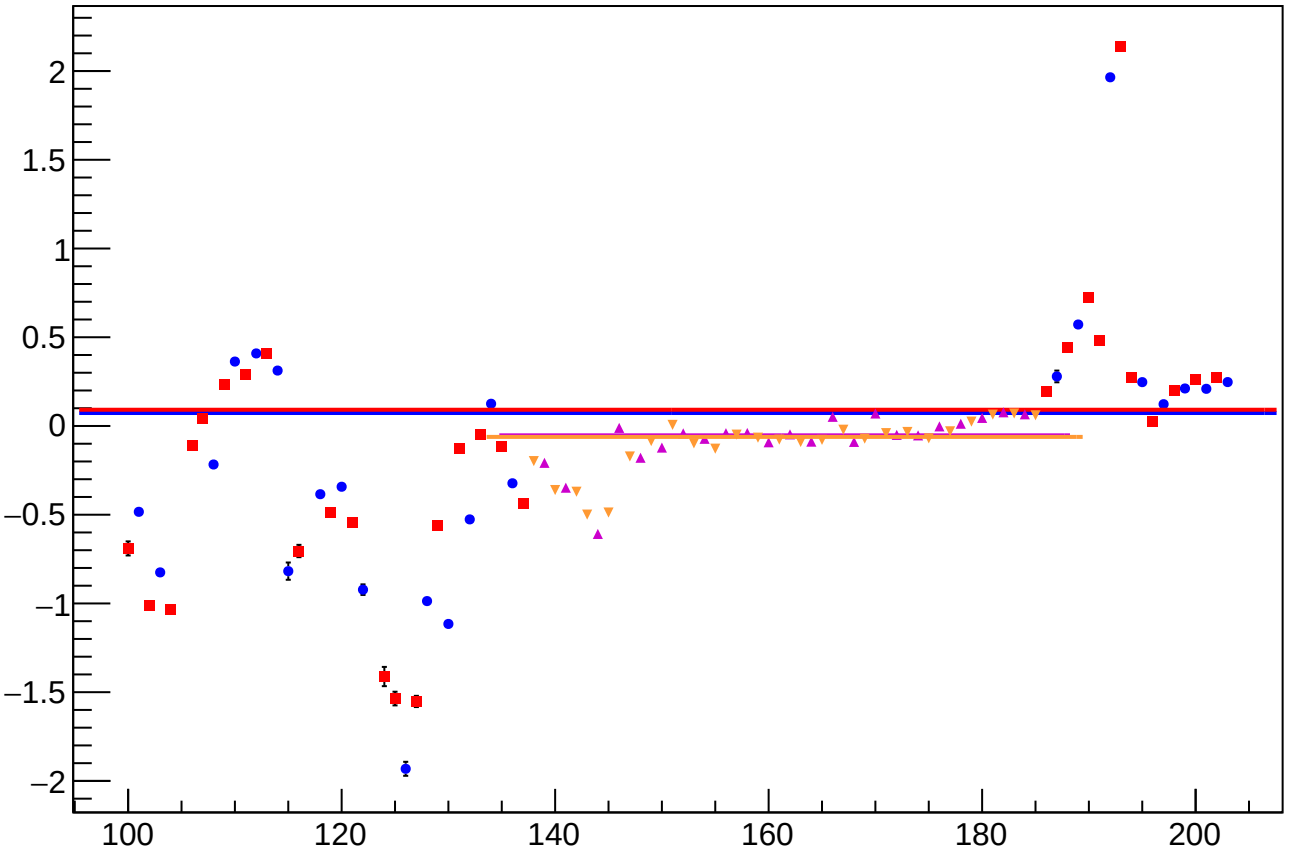
Left: -1.138+/-0.026 χ^2/NDF: 13840.6/47

Right: -0.624+/-0.040 χ^2/NDF: 12830.5/52

In: -0.964+/-0.030 χ^2/NDF:14141.4/46

Out: -1.013+/-0.031 χ^2/NDF:12645.1/53

All: -0.988+/-0.022 χ^2/NDF: 26787.8/100



Right In: 0.073+/-0.003 χ^2/NDF: 33468.6/23

Left Out: -0.062+/-0.002 χ^2/NDF:5563.5/24

Right Out: 0.092+/-0.003 χ^2/NDF: 34312.7/28

Left In: -0.053+/-0.002 χ^2/NDF:5036.0/22

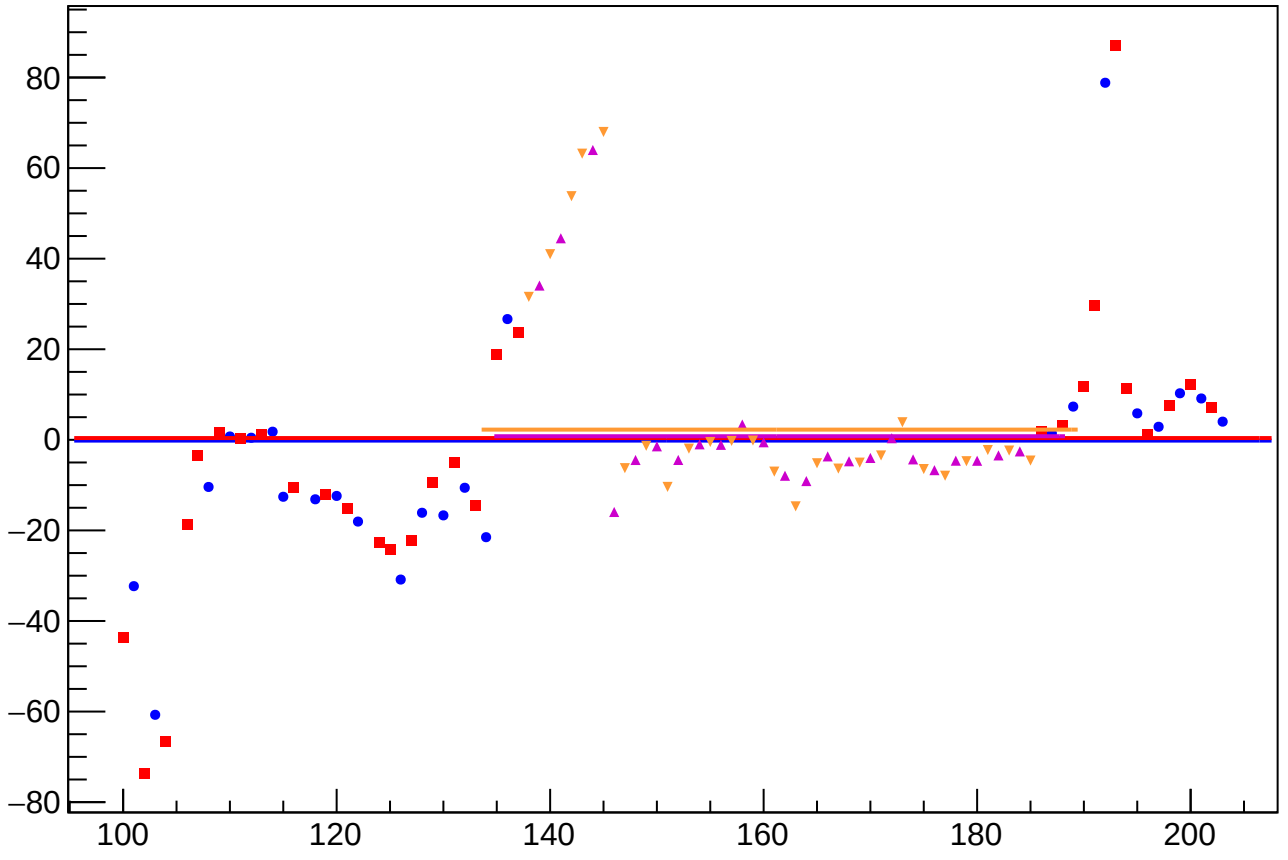
Left: -0.057+/-0.001 χ^2/NDF: 10615.2/47

Right: 0.083+/-0.002 χ^2/NDF: 67807.1/52

In: -0.021+/-0.001 χ^2/NDF:40237.9/46

Out: -0.017+/-0.001 χ^2/NDF:42496.0/53

All: -0.019+/-0.001 χ^2/NDF: 82737.9/100



Right In: -0.168+/-0.045 χ^2/NDF: 114678.7/23

Left Out: 2.255+/-0.041 χ^2/NDF:171671.4/24

Right Out: 0.391+/-0.039 χ^2/NDF: 116258.8/28

Left In: 0.794+/-0.041 χ^2/NDF:128828.3/22

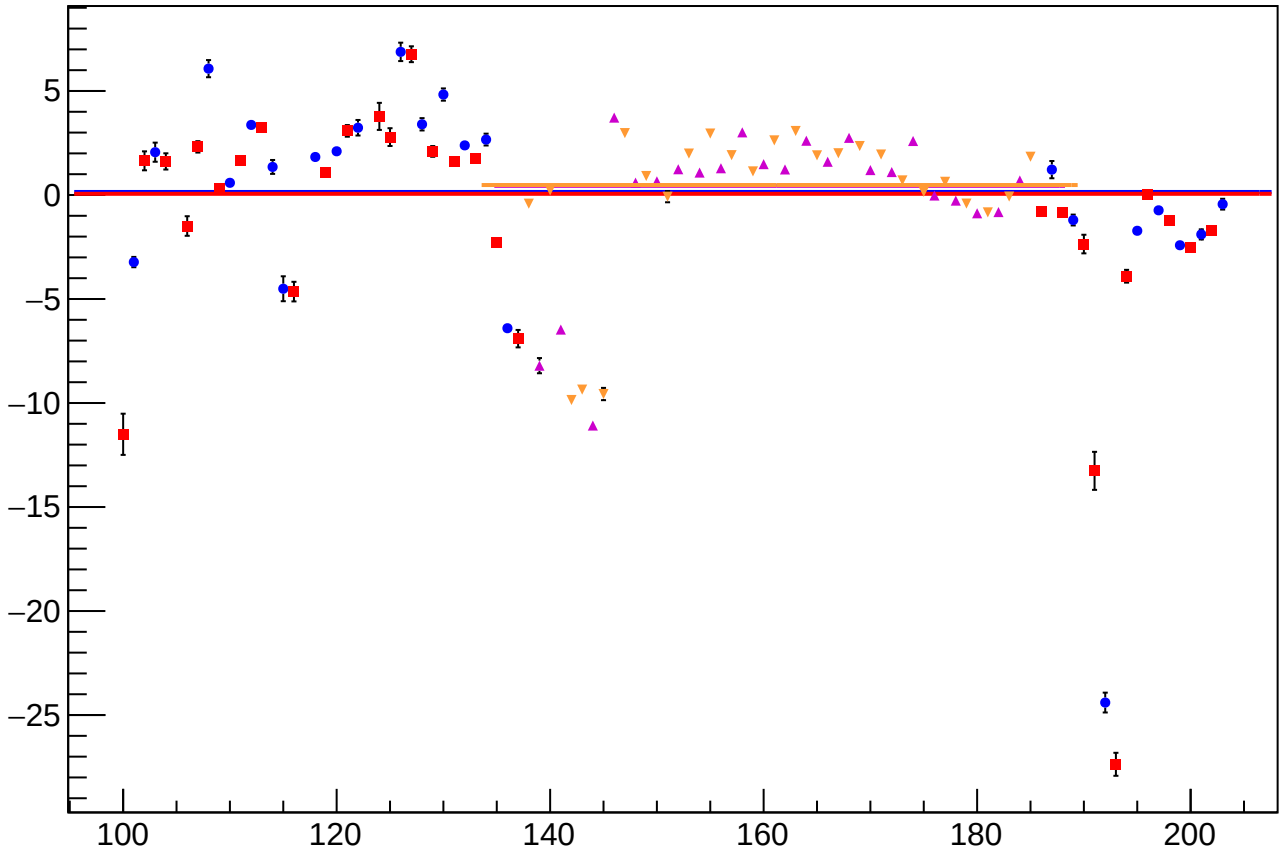
Left: 1.518+/-0.029 χ^2/NDF: 301124.7/47

Right: 0.151+/-0.030 χ^2/NDF: 231024.5/52

In: 0.358+/-0.030 χ^2/NDF:243754.1/46

Out: 1.270+/-0.028 χ^2/NDF:288996.4/53

All: 0.844+/-0.021 χ^2/NDF: 533227.9/100



Right In: 0.145+/-0.050 χ^2/NDF: 5771.3/23

Left Out: 0.479+/-0.034 χ^2/NDF:6808.1/24

Right Out: 0.057+/-0.047 χ^2/NDF: 4958.6/28

Left In: 0.440+/-0.032 χ^2/NDF:6893.7/22

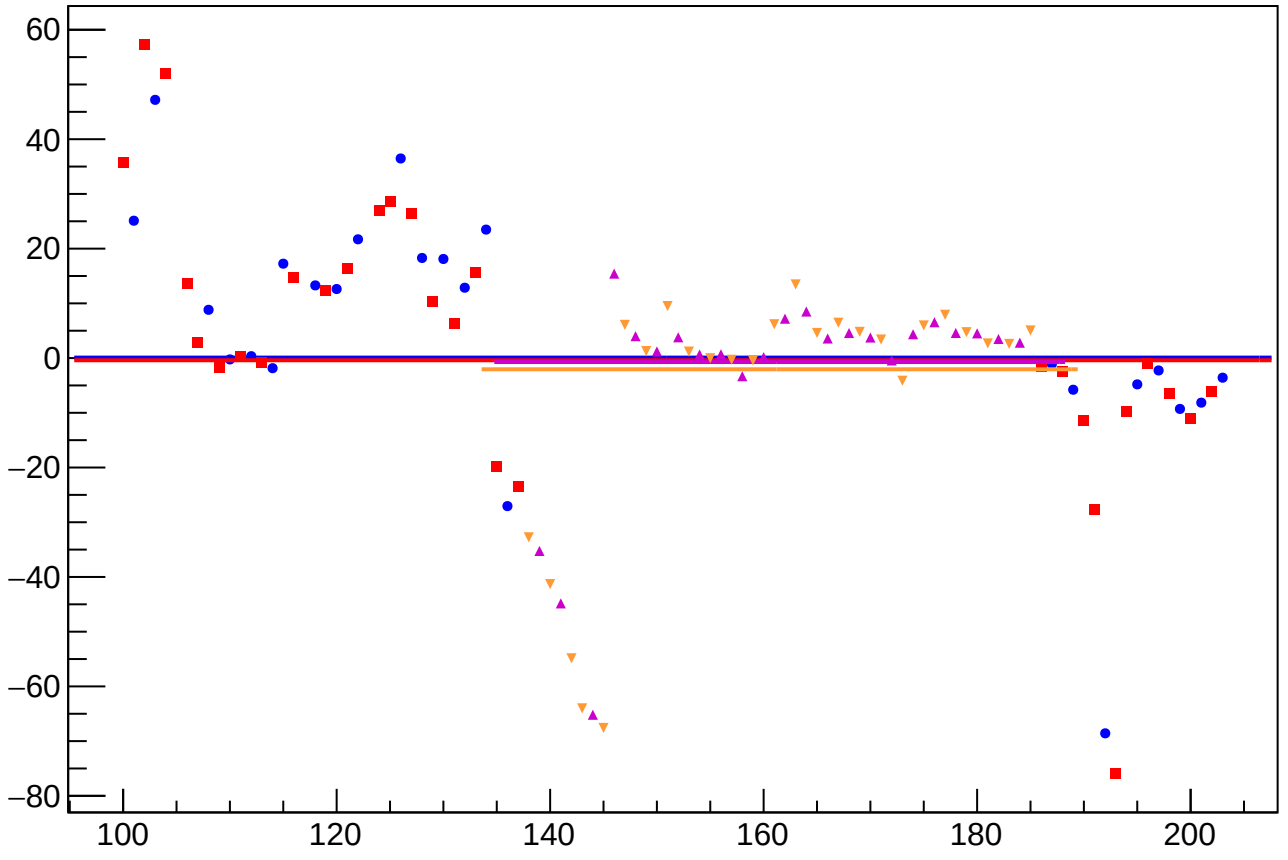
Left: 0.458+/-0.023 χ^2/NDF: 13702.5/47

Right: 0.098+/-0.035 χ^2/NDF: 10731.5/52

In: 0.354+/-0.027 χ^2/NDF:12689.1/46

Out: 0.337+/-0.028 χ^2/NDF:11819.1/53

All: 0.345+/-0.019 χ^2/NDF: 24508.4/100



Right In: 0.086+/-0.047 χ^2/NDF: 113833.0/23

Left Out: -2.051+/-0.041 χ^2/NDF:166009.6/24

Right Out: -0.398+/-0.041 χ^2/NDF: 114774.3/28

Left In: -0.720+/-0.041 χ^2/NDF:125531.3/22

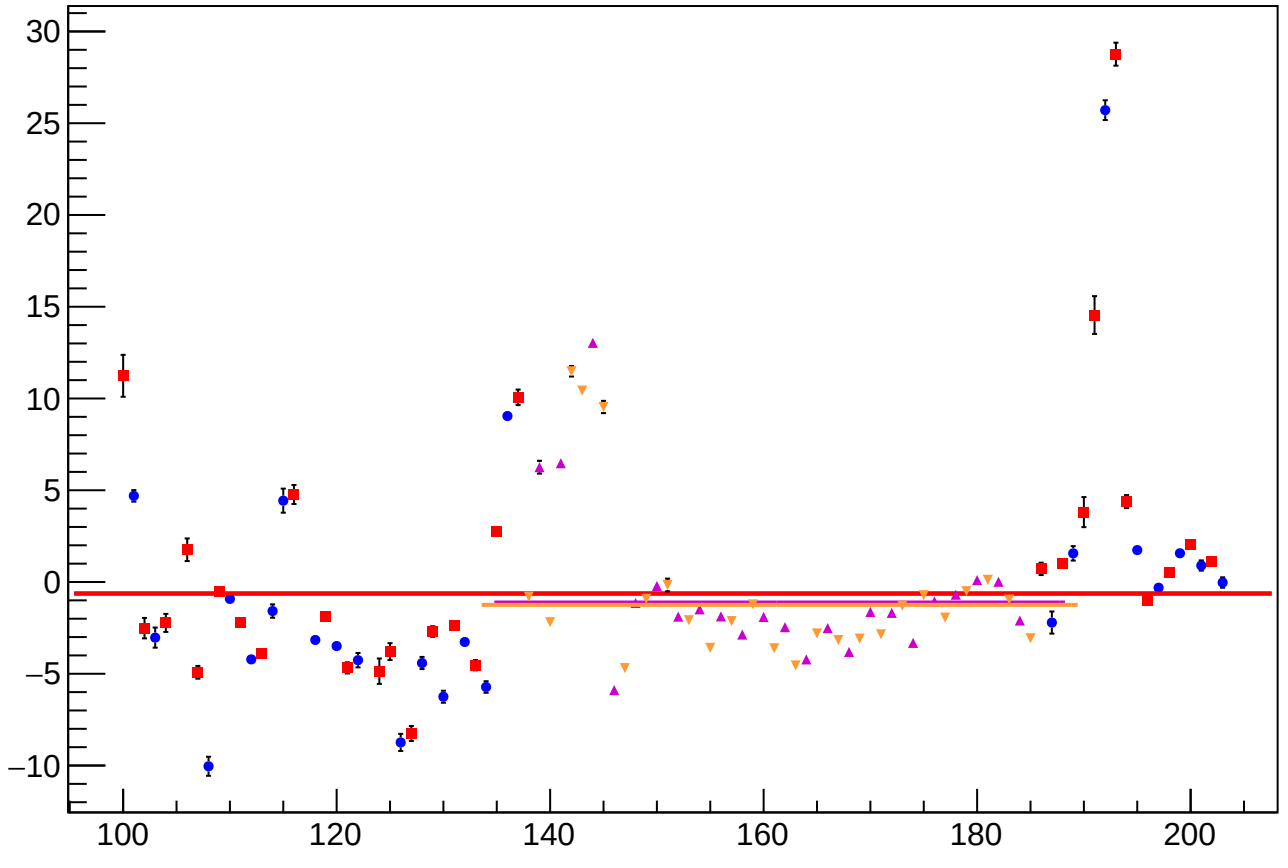
Left: -1.371+/-0.029 χ^2/NDF: 292067.4/47

Right: -0.186+/-0.031 χ^2/NDF: 228667.3/52

In: -0.374+/-0.031 χ^2/NDF:239533.6/46

Out: -1.222+/-0.029 χ^2/NDF:281582.0/53

All: -0.818+/-0.021 χ^2/NDF: 521515.1/100



Right In: -0.629+/-0.059 χ^2/NDF: 7153.8/23

Left Out: -1.244+/-0.037 χ^2/NDF:6768.7/24

Right Out: -0.624+/-0.056 χ^2/NDF: 5450.1/28

Left In: -1.117+/-0.036 χ^2/NDF:6840.3/22

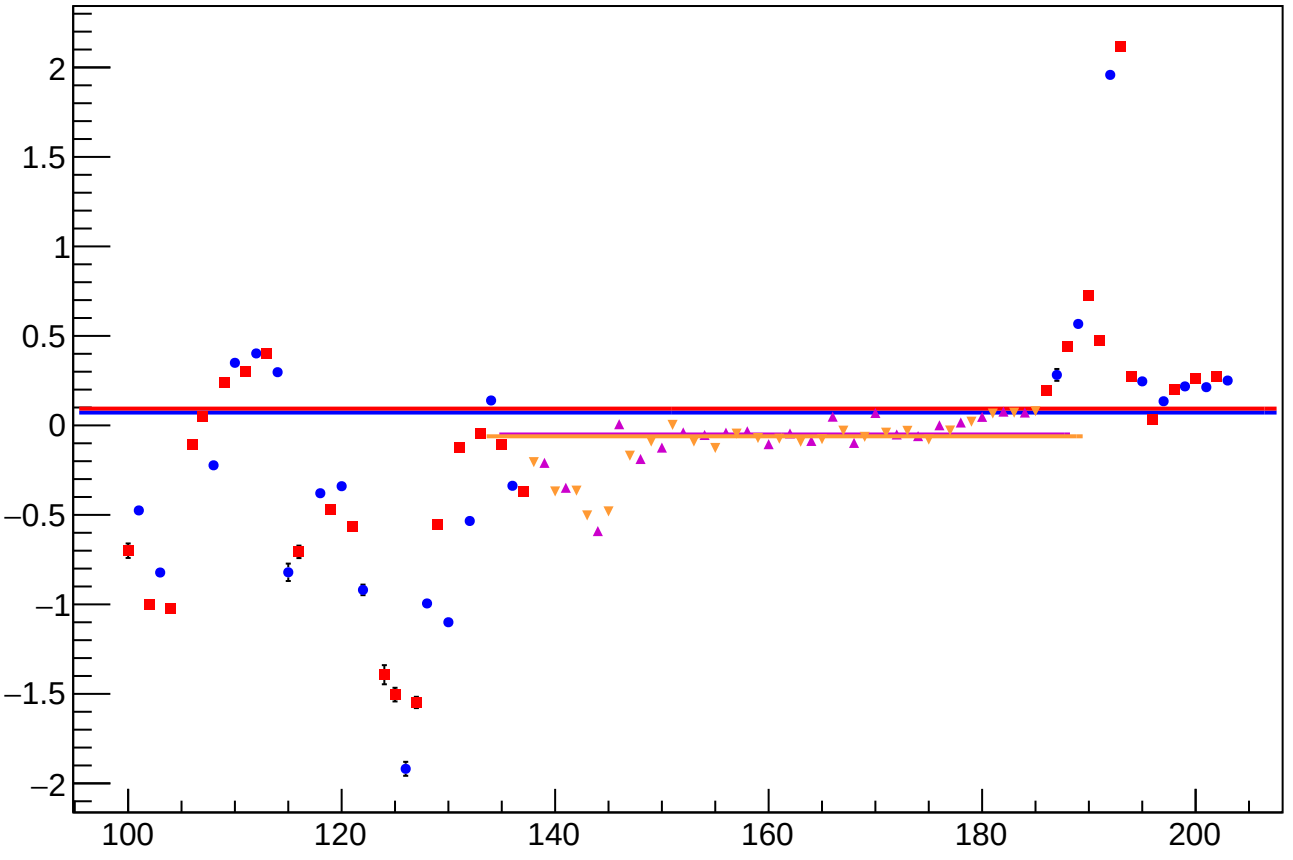
Left: -1.178+/-0.026 χ^2/NDF: 13615.0/47

Right: -0.627+/-0.041 χ^2/NDF: 12603.9/52

In: -0.985+/-0.031 χ^2/NDF:14043.8/46

Out: -1.053+/-0.031 χ^2/NDF:12304.2/53

All: -1.018+/-0.022 χ^2/NDF: 26350.3/100



Right In: 0.072+/-0.003 χ^2/NDF: 33126.6/23

Left Out: -0.061+/-0.002 χ^2/NDF:5479.8/24

Right Out: 0.094+/-0.003 χ^2/NDF: 33388.5/28

Left In: -0.051+/-0.002 χ^2/NDF:4878.7/22

Left: -0.056+/-0.001 χ^2/NDF: 10379.1/47

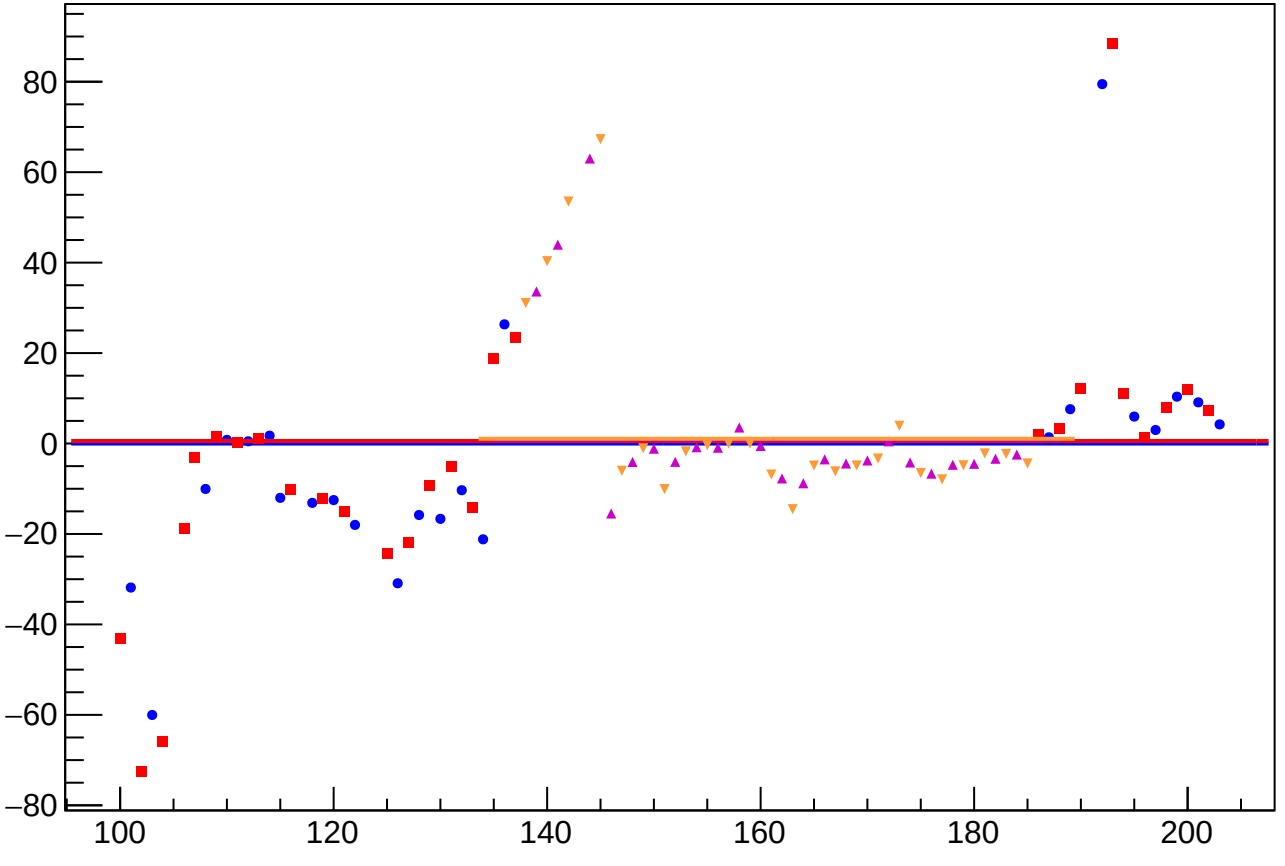
Right: 0.083+/-0.002 χ^2/NDF: 66551.1/52

In: -0.020+/-0.001 χ^2/NDF:39609.1/46

Out: -0.016+/-0.001 χ^2/NDF:41471.7/53

All: -0.018+/-0.001 χ^2/NDF: 81084.0/100

reg_asym_bcm_2an_us_an_ds_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -0.006+/-0.044 χ^2/NDF: 118471.4/23

Left Out: 1.053+/-0.041 χ^2/NDF:131031.0/23

Right Out: 0.560+/-0.038 χ^2/NDF: 117402.5/26

Left In: 0.913+/-0.040 χ^2/NDF:132807.5/22

Left: 0.982+/-0.028 χ^2/NDF: 263844.6/46

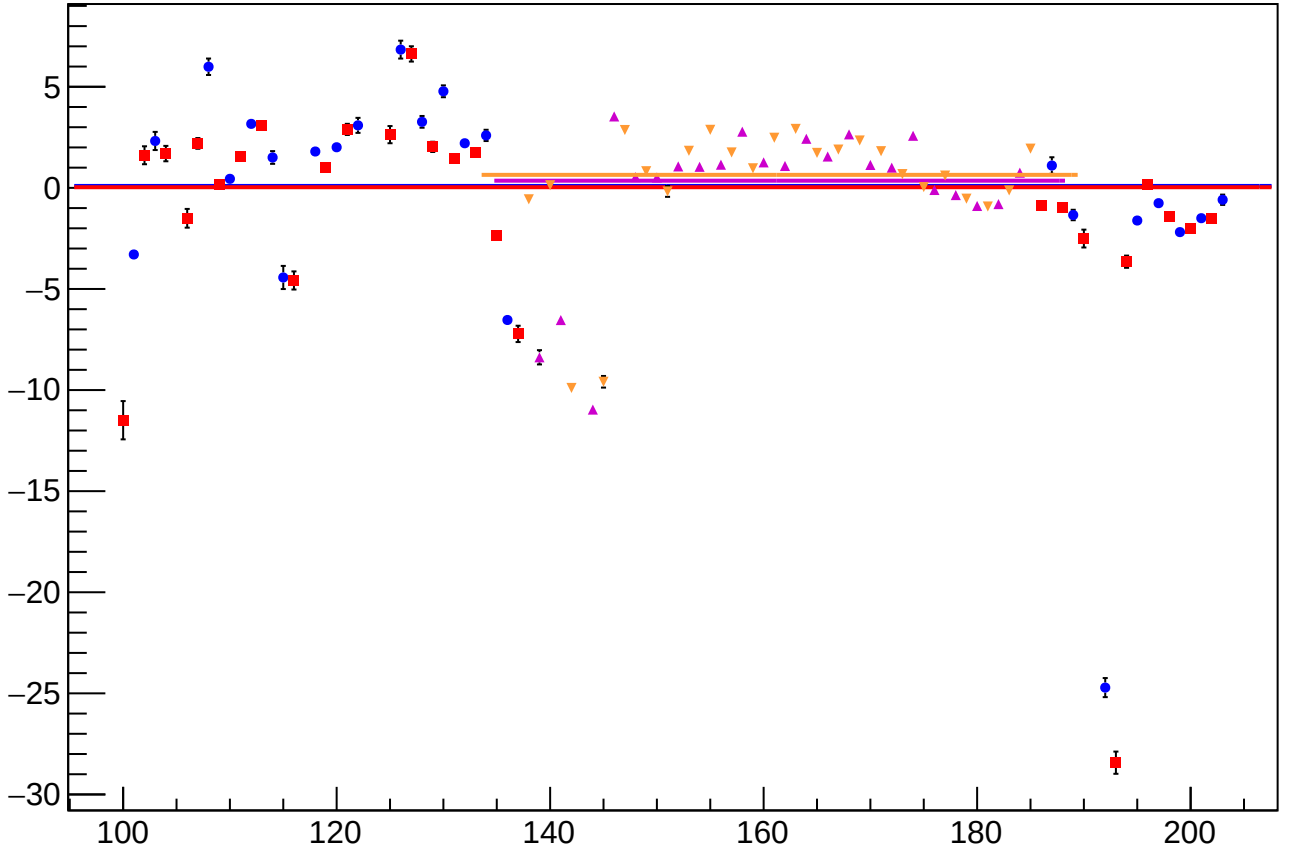
Right: 0.319+/-0.029 χ^2/NDF: 235970.0/50

In: 0.496+/-0.029 χ^2/NDF:251519.9/46

Out: 0.788+/-0.028 χ^2/NDF:248512.8/50

All: 0.652+/-0.020 χ^2/NDF: 500085.1/97

reg_asym_bcm_2an_us_an_ds_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 0.095+/-0.049 χ^2/NDF: 5956.2/23

Left Out: 0.644+/-0.033 χ^2/NDF:4711.1/23

Right Out: 0.032+/-0.046 χ^2/NDF: 4977.9/26

Left In: 0.355+/-0.031 χ^2/NDF:7117.0/22

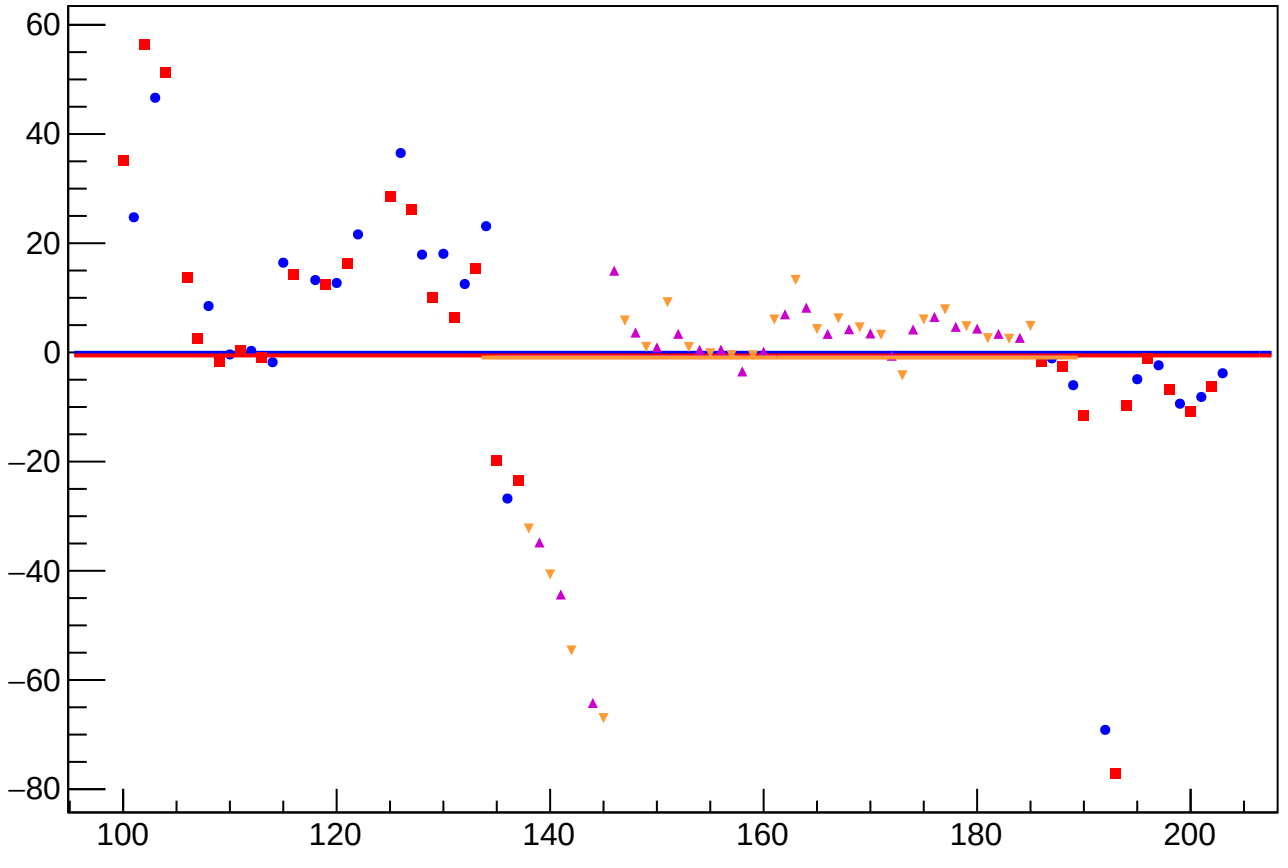
Left: 0.491+/-0.023 χ^2/NDF: 11868.0/46

Right: 0.062+/-0.034 χ^2/NDF: 10935.0/50

In: 0.280+/-0.026 χ^2/NDF:13093.2/46

Out: 0.436+/-0.027 χ^2/NDF:9804.6/50

All: 0.356+/-0.019 χ^2/NDF: 22914.7/97



Right In: -0.074+/-0.045 χ^2/NDF: 117592.3/23

Left Out: -0.929+/-0.041 χ^2/NDF:126378.7/23

Right Out: -0.557+/-0.040 χ^2/NDF: 115972.1/26

Left In: -0.860+/-0.039 χ^2/NDF:129485.0/22

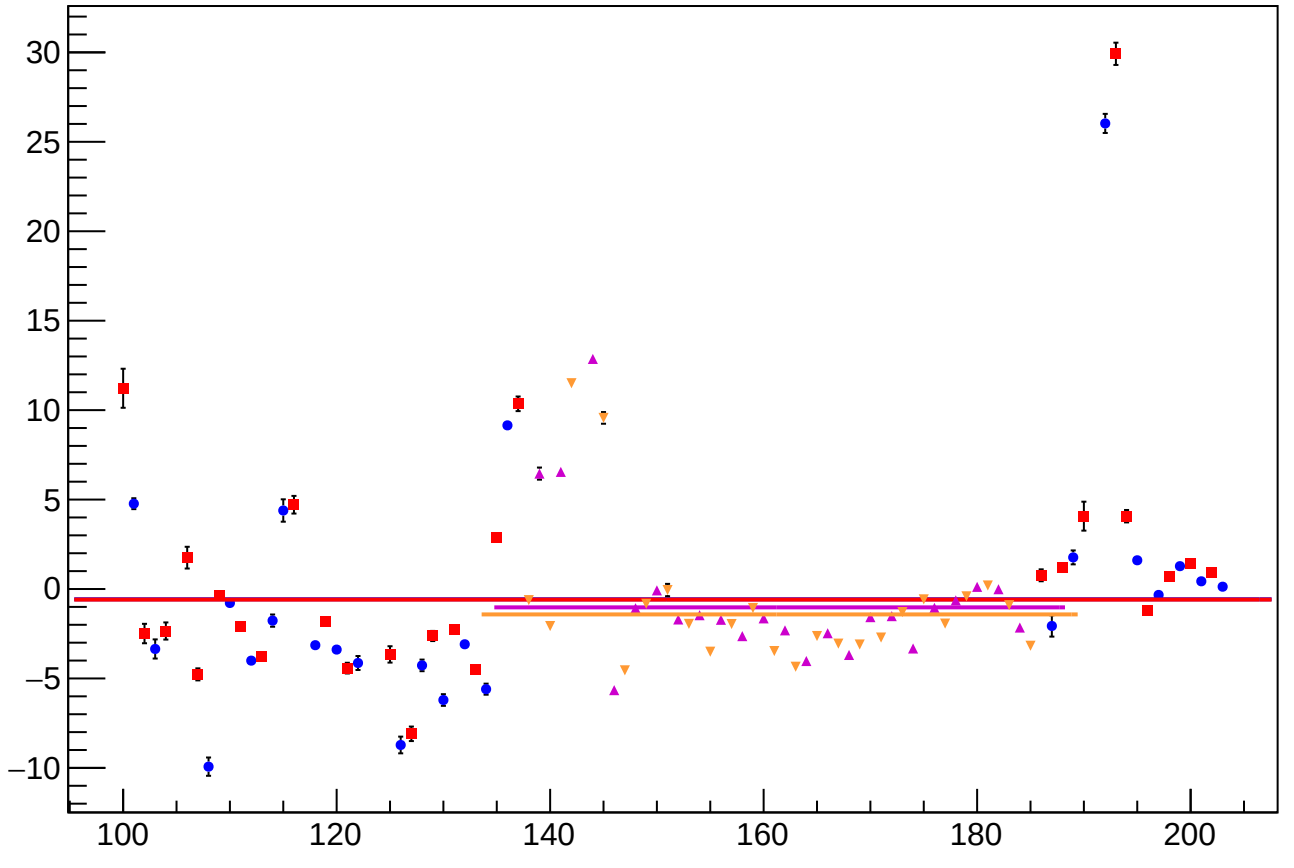
Left: -0.894+/-0.028 χ^2/NDF: 255865.2/46

Right: -0.346+/-0.030 χ^2/NDF: 233627.7/50

In: -0.525+/-0.030 χ^2/NDF:247248.6/46

Out: -0.741+/-0.029 χ^2/NDF:242393.3/50

All: -0.637+/-0.021 χ^2/NDF: 489669.4/97



Right In: -0.574+/-0.057 χ^2/NDF: 7434.0/23

Left Out: -1.420+/-0.037 χ^2/NDF:4642.0/23

Right Out: -0.591+/-0.054 χ^2/NDF: 5500.9/26

Left In: -1.026+/-0.035 χ^2/NDF:7047.1/22

Left: -1.212+/-0.025 χ^2/NDF: 11750.0/46

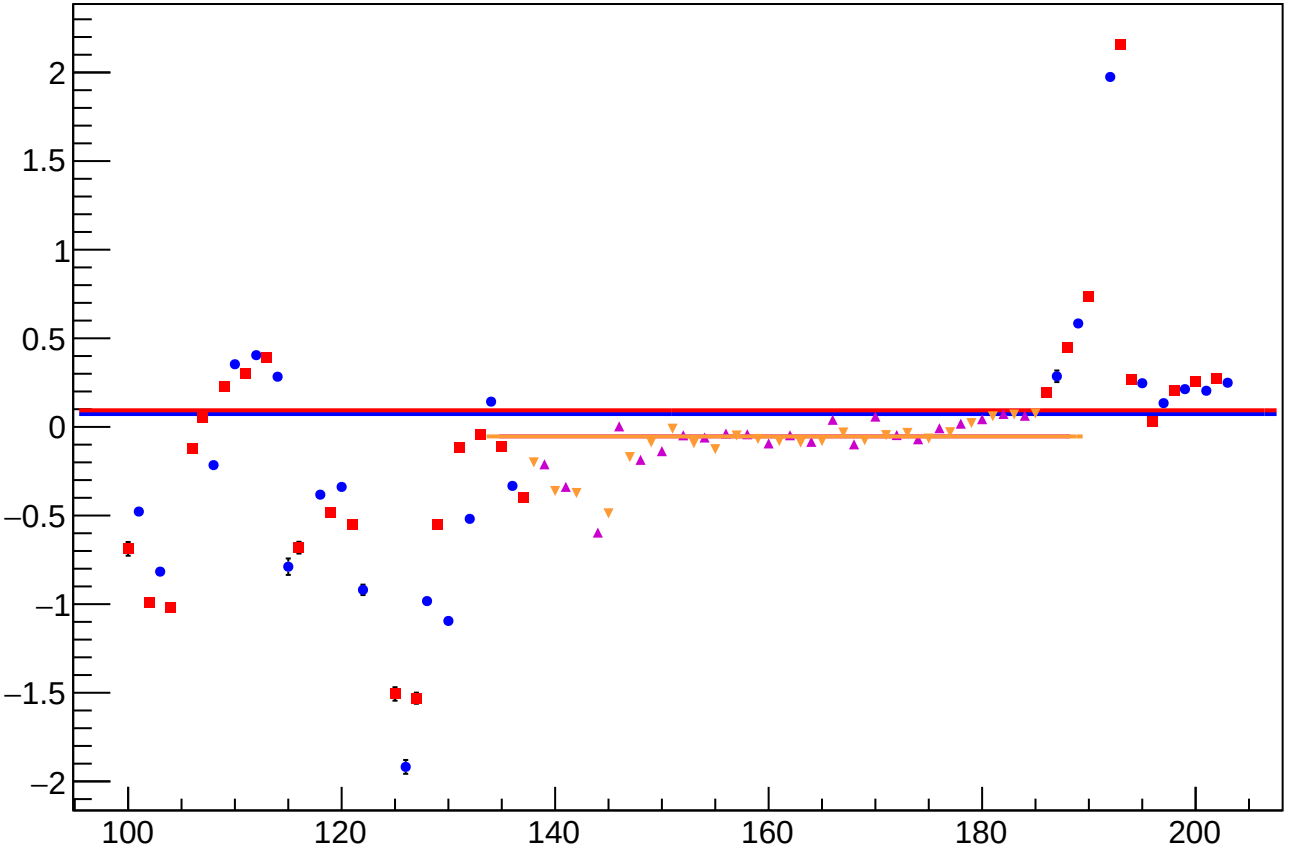
Right: -0.583+/-0.039 χ^2/NDF: 12934.9/50

In: -0.905+/-0.030 χ^2/NDF:14526.5/46

Out: -1.160+/-0.030 χ^2/NDF:10303.5/50

All: -1.030+/-0.021 χ^2/NDF: 24866.1/97

reg_asym_bcm_2an_us_an_ds_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.073+/-0.003 χ^2/NDF: 34250.9/23

Left Out: -0.054+/-0.002 χ^2/NDF:4340.0/23

Right Out: 0.094+/-0.002 χ^2/NDF: 33837.6/26

Left In: -0.053+/-0.001 χ^2/NDF:5009.7/22

Left: -0.053+/-0.001 χ^2/NDF: 9349.8/46

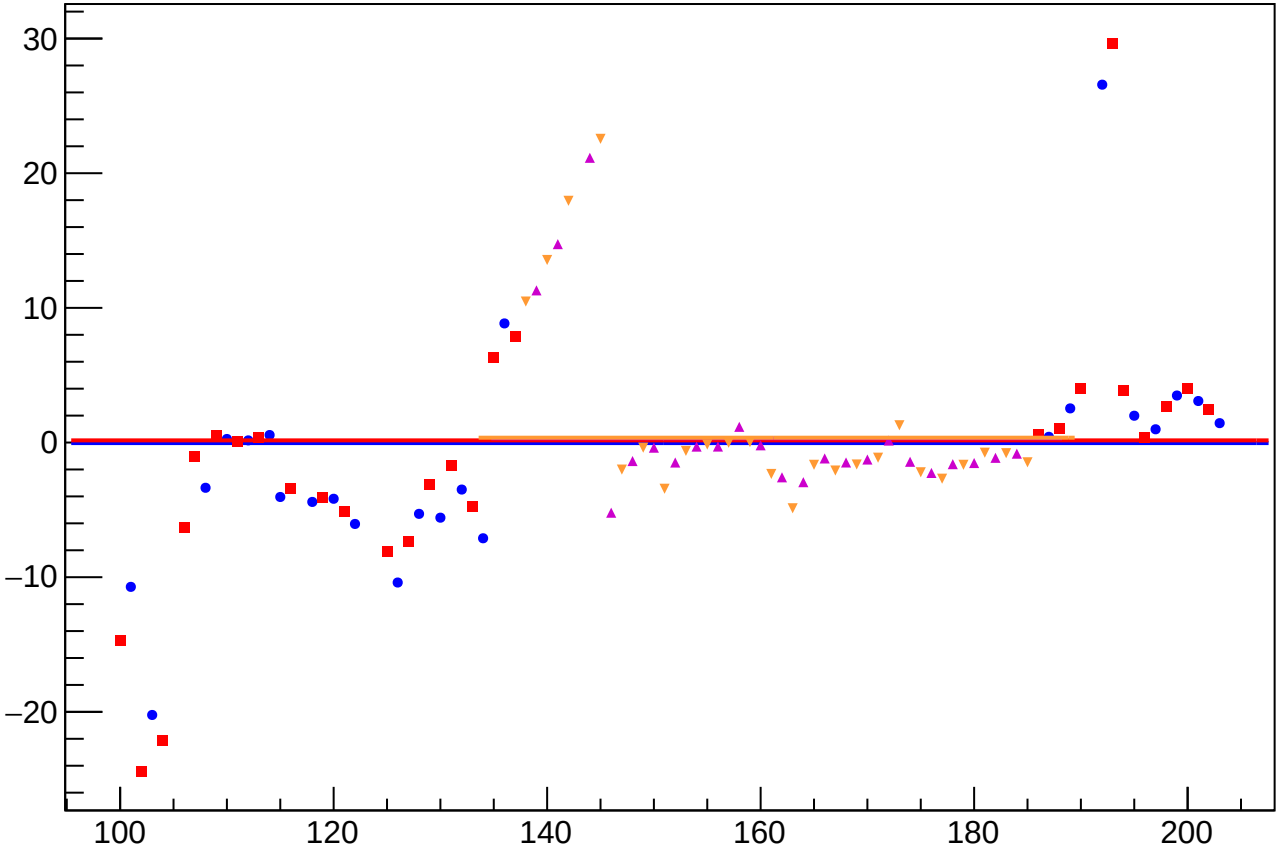
Right: 0.084+/-0.002 χ^2/NDF: 68123.4/50

In: -0.022+/-0.001 χ^2/NDF:41055.2/46

Out: -0.011+/-0.001 χ^2/NDF:40664.4/50

All: -0.016+/-0.001 χ^2/NDF: 81752.7/97

reg_asym_bcm_2an_us_an_ds_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -0.040+/-0.015 χ^2/NDF: 116405.3/23

Left Out: 0.359+/-0.014 χ^2/NDF:128829.7/23

Right Out: 0.161+/-0.013 χ^2/NDF: 115589.1/26

Left In: 0.317+/-0.014 χ^2/NDF:130224.2/22

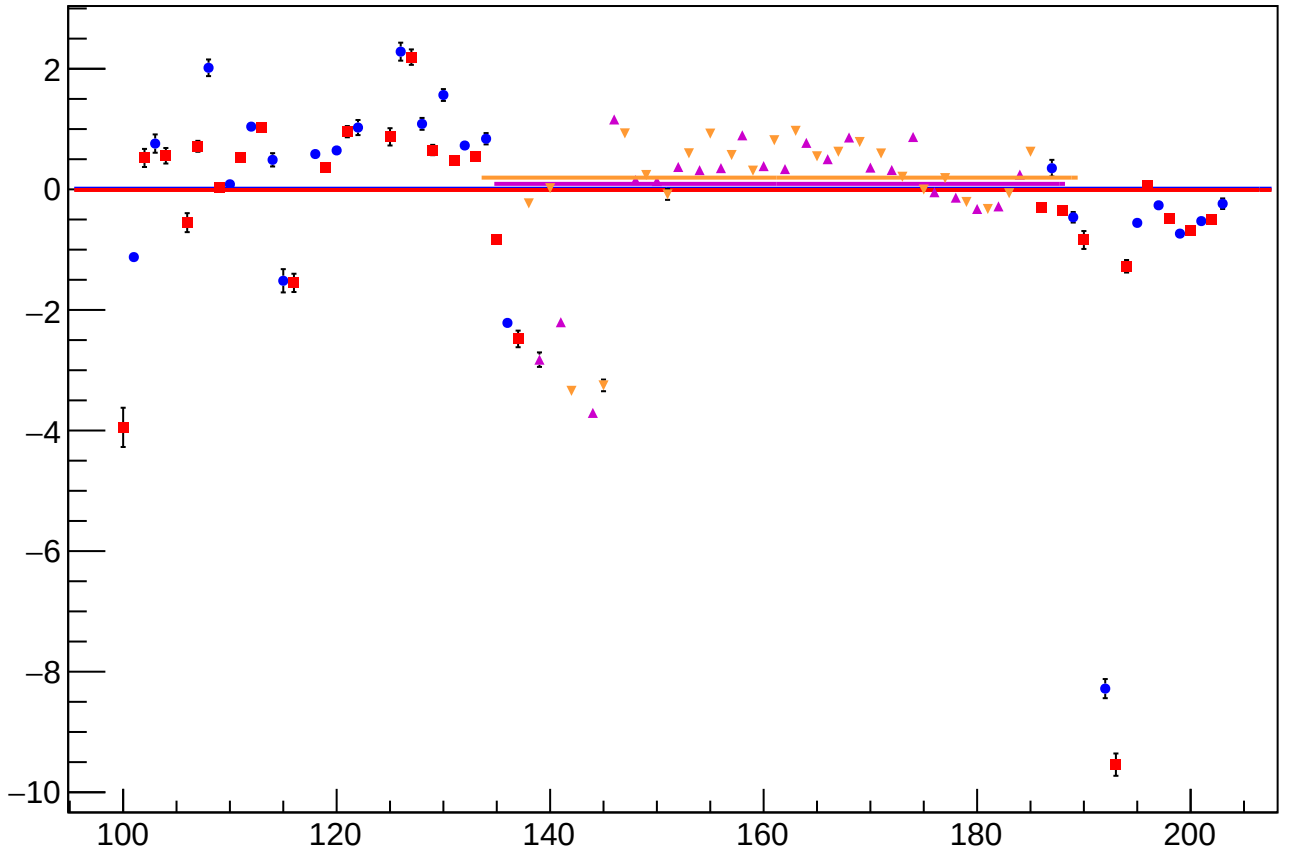
Left: 0.338+/-0.010 χ^2/NDF: 259058.4/46

Right: 0.075+/-0.010 χ^2/NDF: 232096.4/50

In: 0.156+/-0.010 χ^2/NDF:246939.3/46

Out: 0.253+/-0.009 χ^2/NDF:244527.4/50

All: 0.208+/-0.007 χ^2/NDF: 491516.1/97



Right In: 0.011+/-0.017 χ^2/NDF: 5827.9/23

Left Out: 0.194+/-0.011 χ^2/NDF:4645.0/23

Right Out: -0.010+/-0.016 χ^2/NDF: 4884.6/26

Left In: 0.091+/-0.011 χ^2/NDF:6936.4/22

Left: 0.140+/-0.008 χ^2/NDF: 11625.1/46

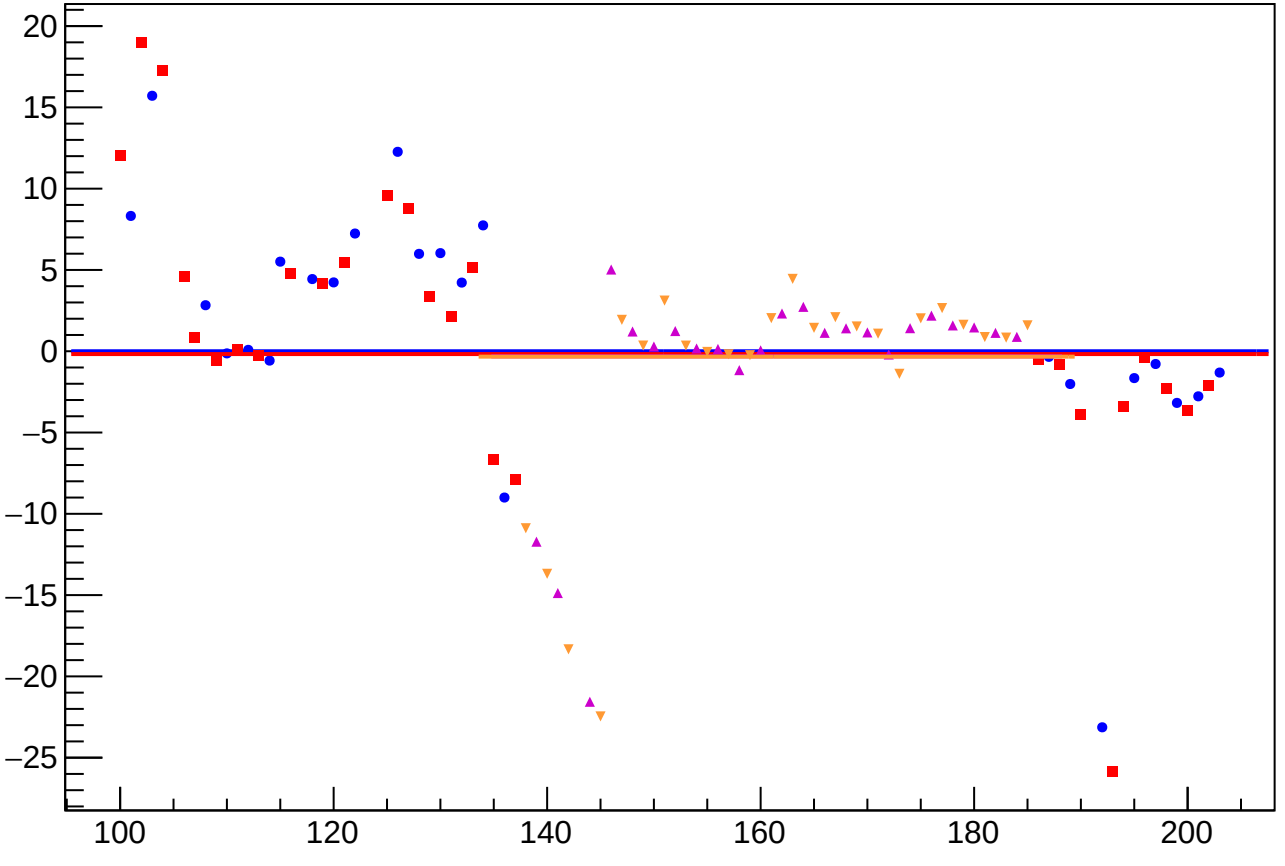
Right: -0.000+/-0.012 χ^2/NDF: 10713.3/50

In: 0.068+/-0.009 χ^2/NDF:12780.5/46

Out: 0.125+/-0.009 χ^2/NDF:9639.9/50

All: 0.096+/-0.006 χ^2/NDF: 22440.1/97

reg_asym_bcm_2an_us_an_ds_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -0.001+/-0.016 χ^2/NDF: 115560.7/23

Left Out: -0.332+/-0.014 χ^2/NDF:124233.4/23

Right Out: -0.174+/-0.014 χ^2/NDF: 114207.6/26

Left In: -0.314+/-0.013 χ^2/NDF:126999.2/22

Left: -0.323+/-0.010 χ^2/NDF: 251233.5/46

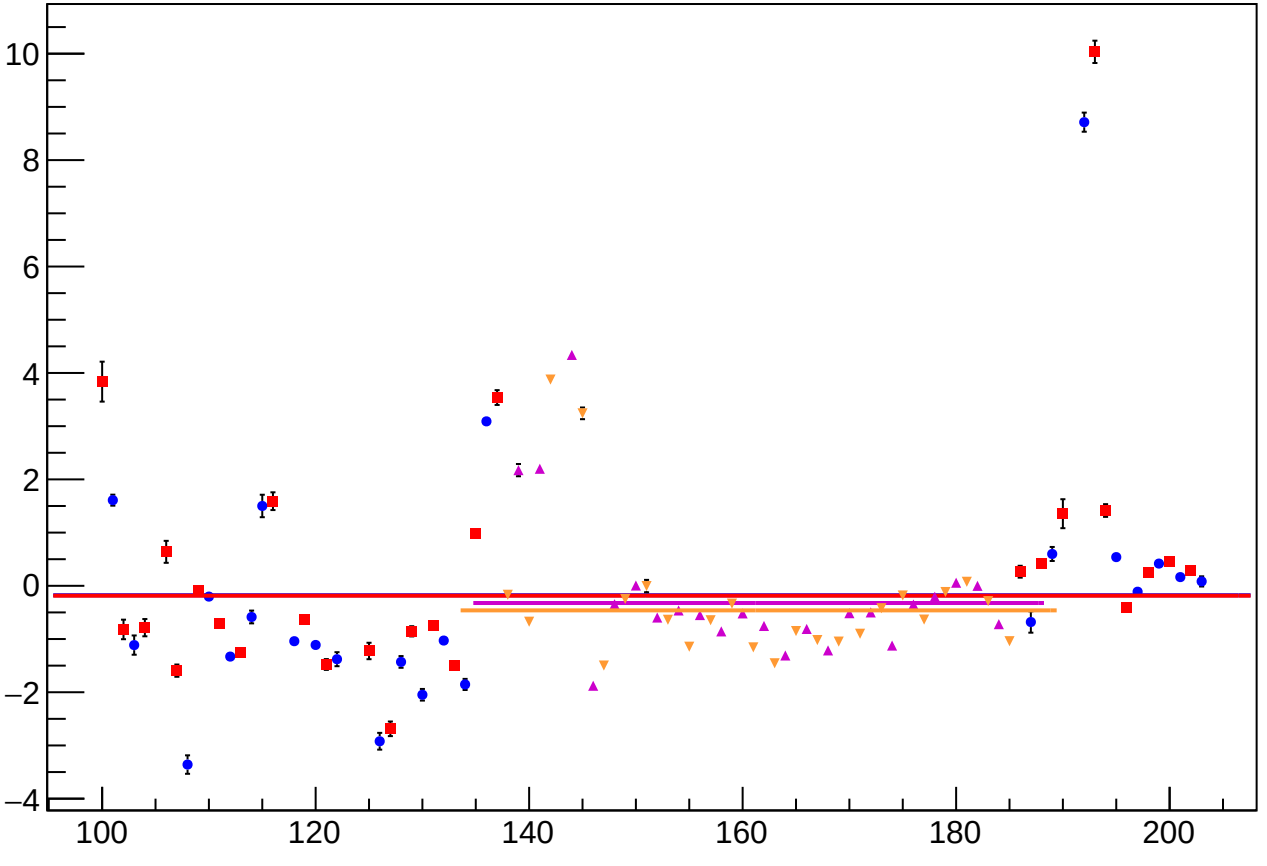
Right: -0.099+/-0.010 χ^2/NDF: 229837.5/50

In: -0.181+/-0.010 χ^2/NDF:242789.9/46

Out: -0.253+/-0.010 χ^2/NDF:238506.5/50

All: -0.218+/-0.007 χ^2/NDF: 481322.5/97

reg_asym_bcm_2an_us_an_ds_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -0.177+/-0.020 χ^2/NDF: 7277.8/23

Left Out: -0.462+/-0.013 χ^2/NDF:4580.0/23

Right Out: -0.186+/-0.019 χ^2/NDF: 5405.9/26

Left In: -0.323+/-0.012 χ^2/NDF:6881.8/22

Left: -0.389+/-0.009 χ^2/NDF: 11526.1/46

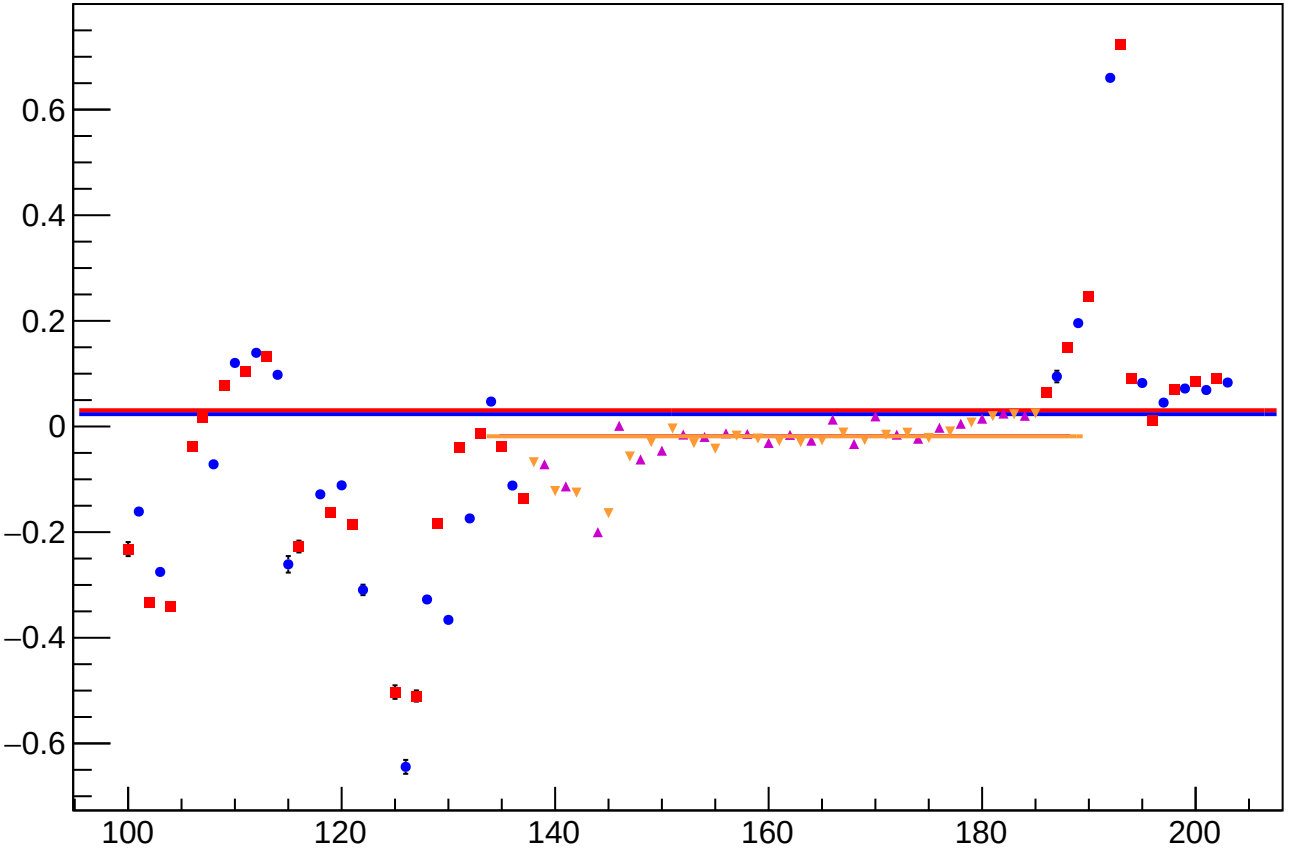
Right: -0.182+/-0.014 χ^2/NDF: 12683.8/50

In: -0.284+/-0.010 χ^2/NDF:14199.8/46

Out: -0.376+/-0.010 χ^2/NDF:10137.2/50

All: -0.329+/-0.007 χ^2/NDF: 24376.7/97

reg_asym_bcm_2an_us_an_ds_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.023+/-0.001 χ^2/NDF: 33665.0/23

Left Out: -0.019+/-0.001 χ^2/NDF:4227.5/23

Right Out: 0.031+/-0.001 χ^2/NDF: 33219.0/26

Left In: -0.018+/-0.001 χ^2/NDF:4879.3/22

Left: -0.018+/-0.000 χ^2/NDF: 9107.2/46

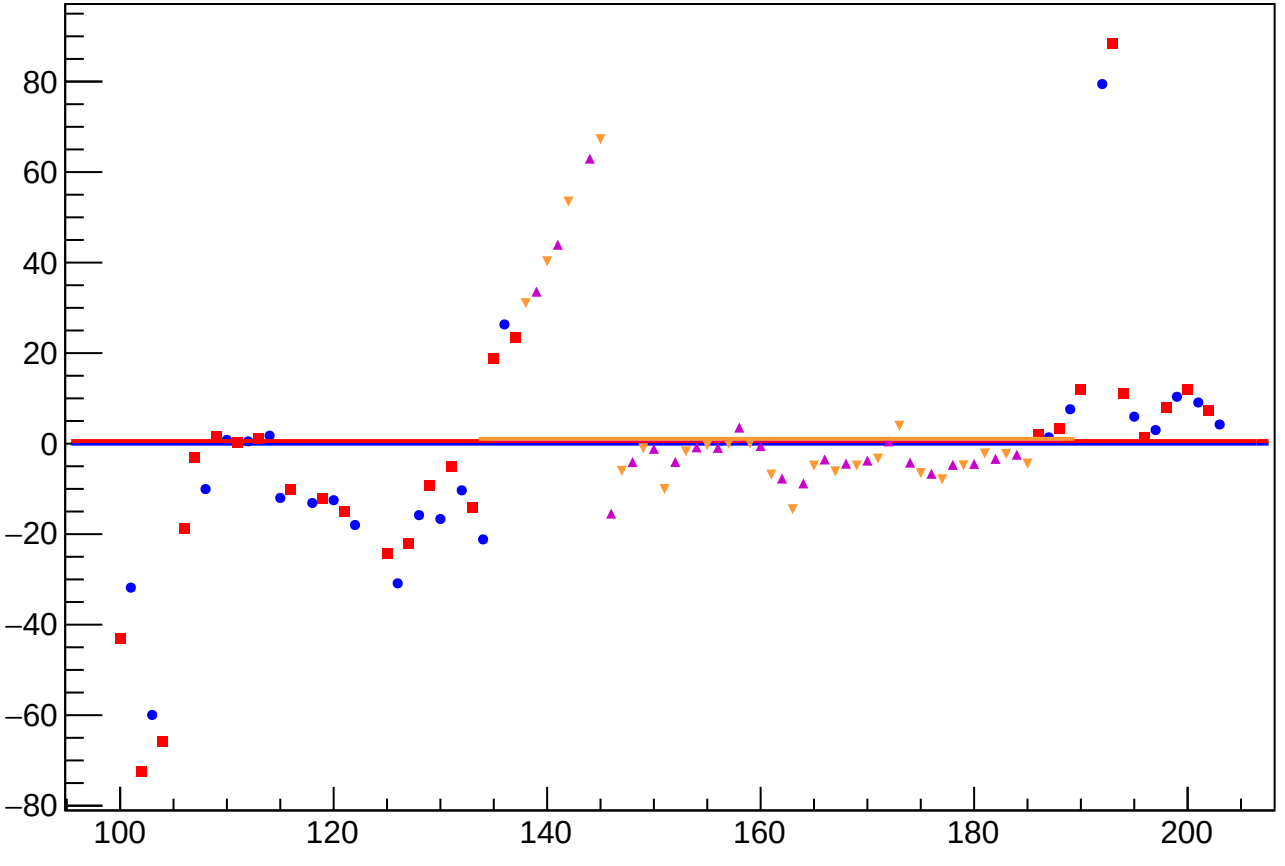
Right: 0.027+/-0.001 χ^2/NDF: 66920.0/50

In: -0.008+/-0.000 χ^2/NDF:40191.5/46

Out: -0.004+/-0.000 χ^2/NDF:39806.7/50

All: -0.006+/-0.000 χ^2/NDF: 80025.0/97

reg_asym_bcm_an_us_an_ds_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.002+/-0.044 χ^2/NDF: 118492.5/23

Left Out: 1.058+/-0.041 χ^2/NDF:131010.5/23

Right Out: 0.565+/-0.038 χ^2/NDF: 117419.3/26

Left In: 0.915+/-0.040 χ^2/NDF:132816.1/22

Left: 0.985+/-0.028 χ^2/NDF: 263832.9/46

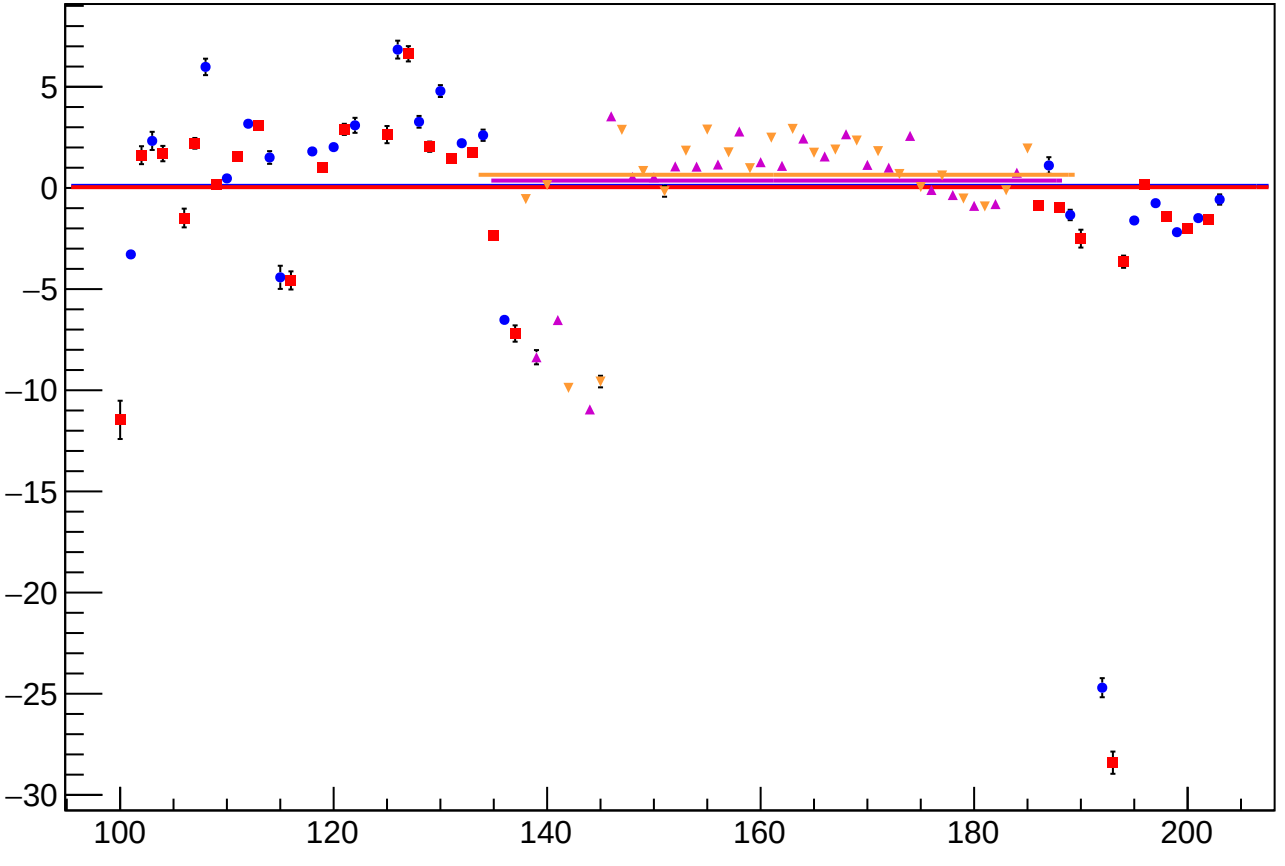
Right: 0.325+/-0.028 χ^2/NDF: 236007.2/50

In: 0.501+/-0.029 χ^2/NDF:251548.0/46

Out: 0.793+/-0.028 χ^2/NDF:248509.3/50

All: 0.656+/-0.020 χ^2/NDF: 500109.7/97

reg_asym_bcm_an_us_an_ds_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 0.104+/-0.049 χ^2/NDF: 5960.2/23

Left Out: 0.651+/-0.033 χ^2/NDF:4708.8/23

Right Out: 0.038+/-0.046 χ^2/NDF: 4979.4/26

Left In: 0.364+/-0.031 χ^2/NDF:7122.4/22

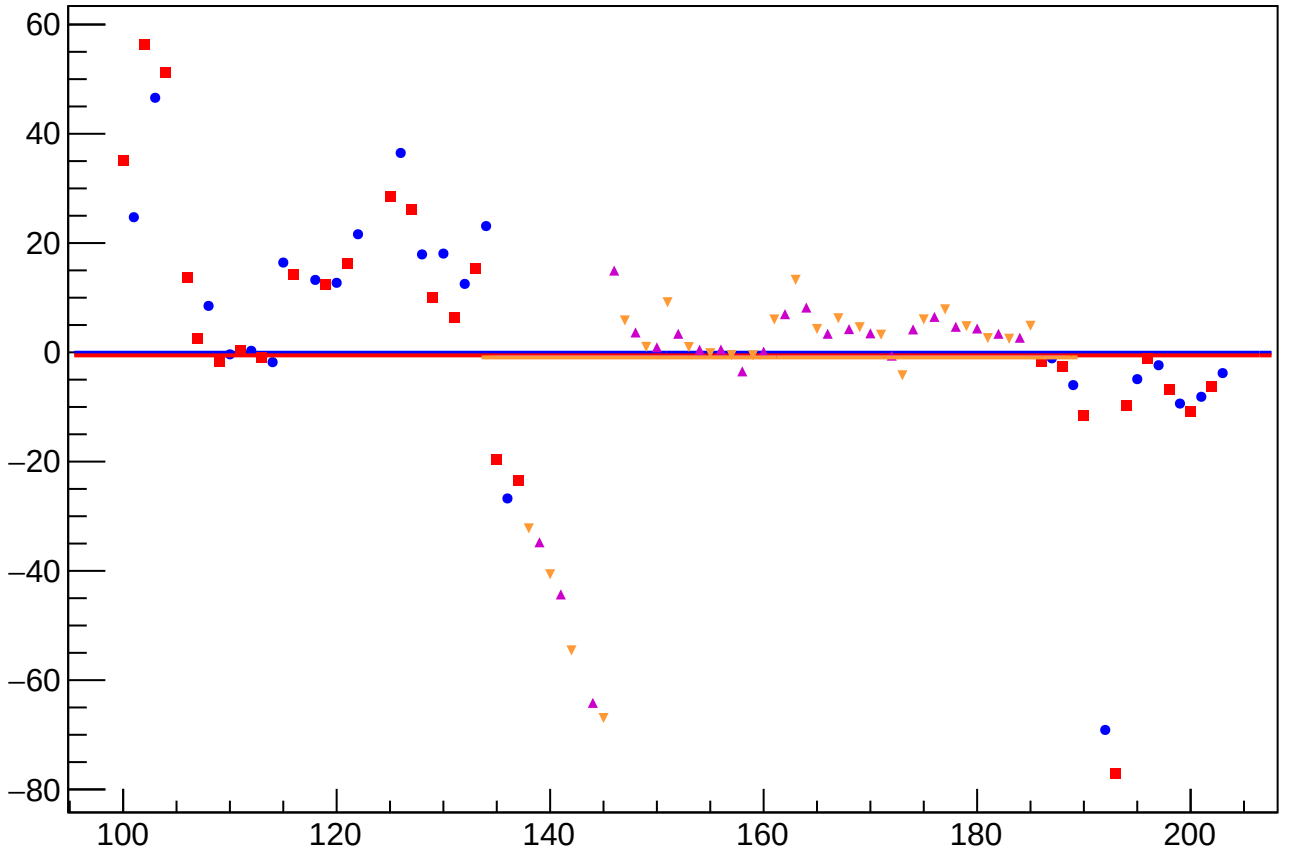
Left: 0.499+/-0.023 χ^2/NDF: 11870.9/46

Right: 0.069+/-0.034 χ^2/NDF: 10940.5/50

In: 0.289+/-0.026 χ^2/NDF:13102.7/46

Out: 0.443+/-0.027 χ^2/NDF:9804.6/50

All: 0.364+/-0.019 χ^2/NDF: 22923.9/97



Right In: -0.076+/-0.045 χ^2/NDF: 117611.0/23

Left Out: -0.927+/-0.041 χ^2/NDF:126360.1/23

Right Out: -0.556+/-0.040 χ^2/NDF: 115984.8/26

Left In: -0.858+/-0.039 χ^2/NDF:129490.8/22

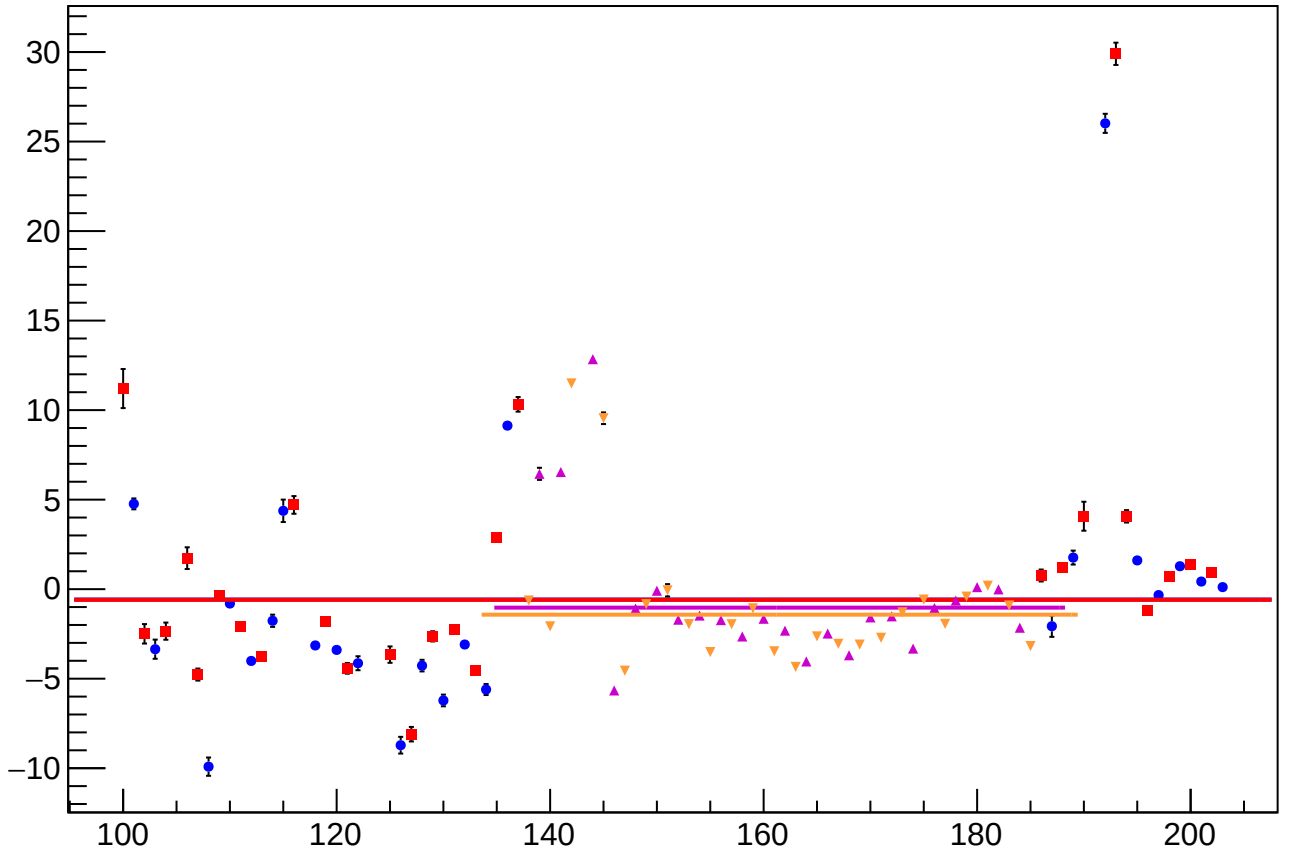
Left: -0.891+/-0.028 χ^2/NDF: 255852.4/46

Right: -0.346+/-0.030 χ^2/NDF: 233658.6/50

In: -0.524+/-0.030 χ^2/NDF:247271.5/46

Out: -0.740+/-0.028 χ^2/NDF:242387.2/50

All: -0.636+/-0.021 χ^2/NDF: 489686.2/97



Right In: -0.580+/-0.057 χ^2/NDF: 7437.0/23

Left Out: -1.425+/-0.037 χ^2/NDF:4639.6/23

Right Out: -0.594+/-0.054 χ^2/NDF: 5500.8/26

Left In: -1.032+/-0.035 χ^2/NDF:7051.3/22

Left: -1.218+/-0.025 χ^2/NDF: 11751.4/46

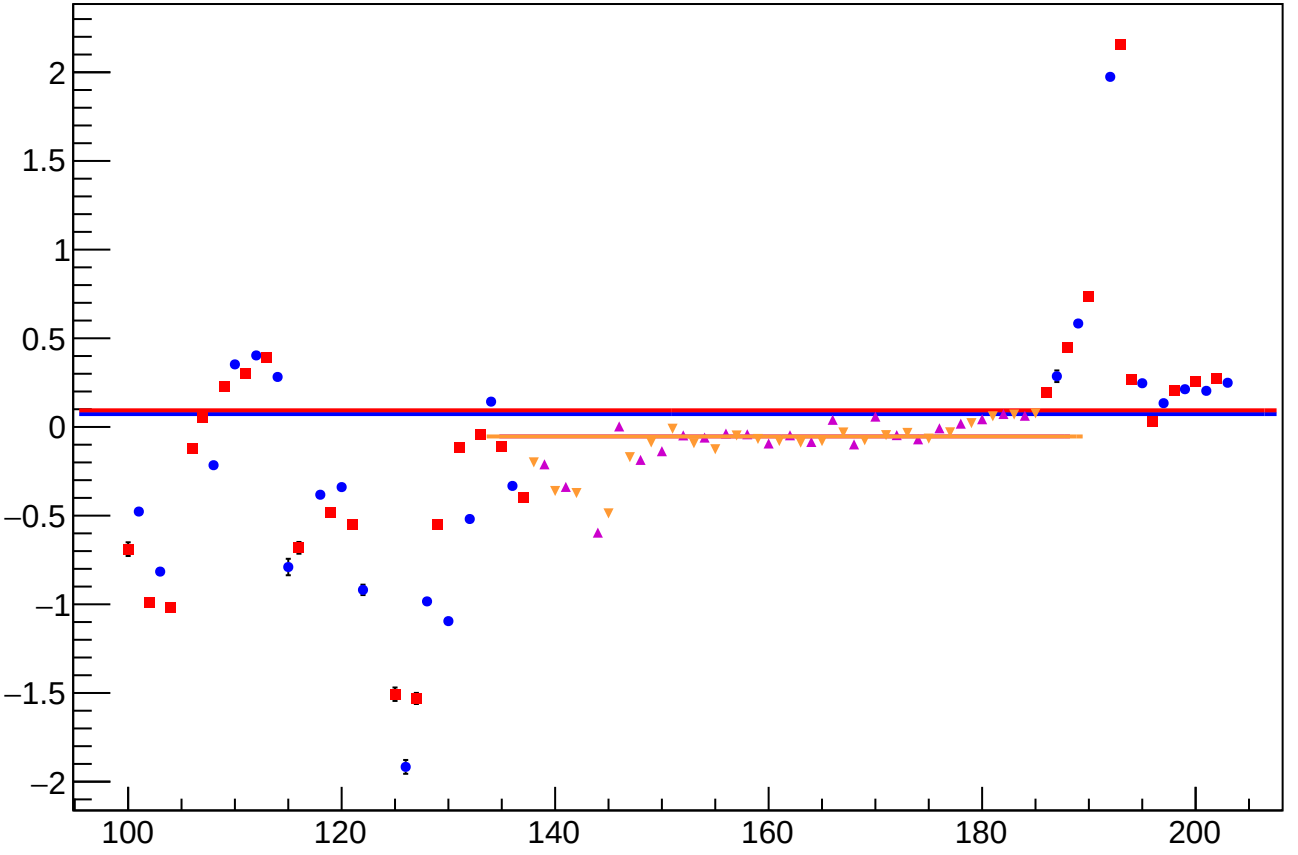
Right: -0.588+/-0.039 χ^2/NDF: 12937.8/50

In: -0.911+/-0.030 χ^2/NDF:14533.9/46

Out: -1.164+/-0.030 χ^2/NDF:10301.8/50

All: -1.035+/-0.021 χ^2/NDF: 24871.4/97

reg_asym_bcm_an_us_an_ds_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.073+/-0.003 χ^2/NDF: 34259.5/23

Left Out: -0.054+/-0.002 χ^2/NDF:4341.2/23

Right Out: 0.094+/-0.002 χ^2/NDF: 33851.7/26

Left In: -0.053+/-0.001 χ^2/NDF:5013.3/22

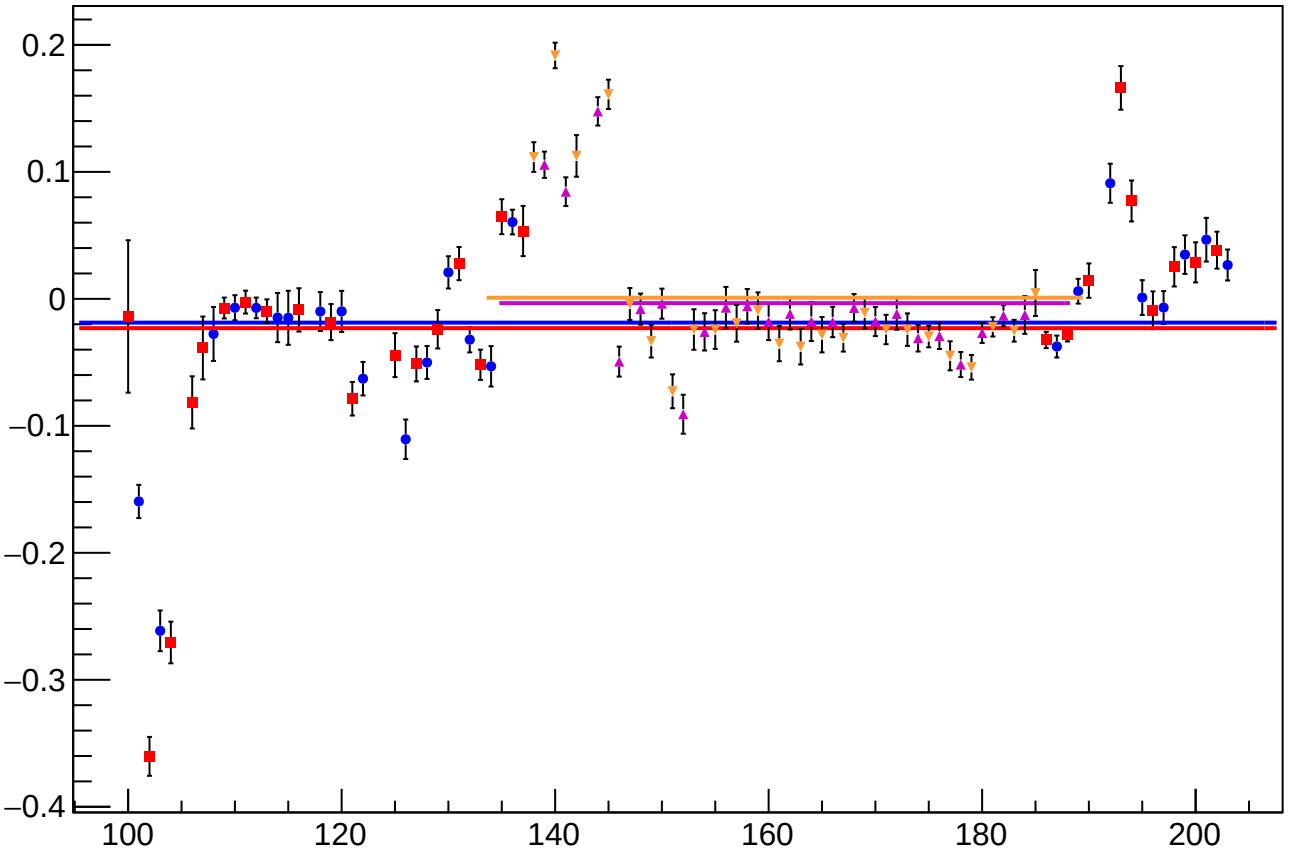
Left: -0.053+/-0.001 χ^2/NDF: 9354.6/46

Right: 0.084+/-0.002 χ^2/NDF: 68146.2/50

In: -0.021+/-0.001 χ^2/NDF:41071.2/46

Out: -0.011+/-0.001 χ^2/NDF:40681.2/50

All: -0.016+/-0.001 χ^2/NDF: 81785.9/97



Right In: -0.019+/-0.003 χ^2/NDF: 589.8/23

Left Out: 0.001+/-0.002 χ^2/NDF:849.7/23

Right Out: -0.023+/-0.002 χ^2/NDF: 1043.0/26

Left In: -0.003+/-0.002 χ^2/NDF:457.9/22

Left: -0.001+/-0.002 χ^2/NDF: 1309.2/46

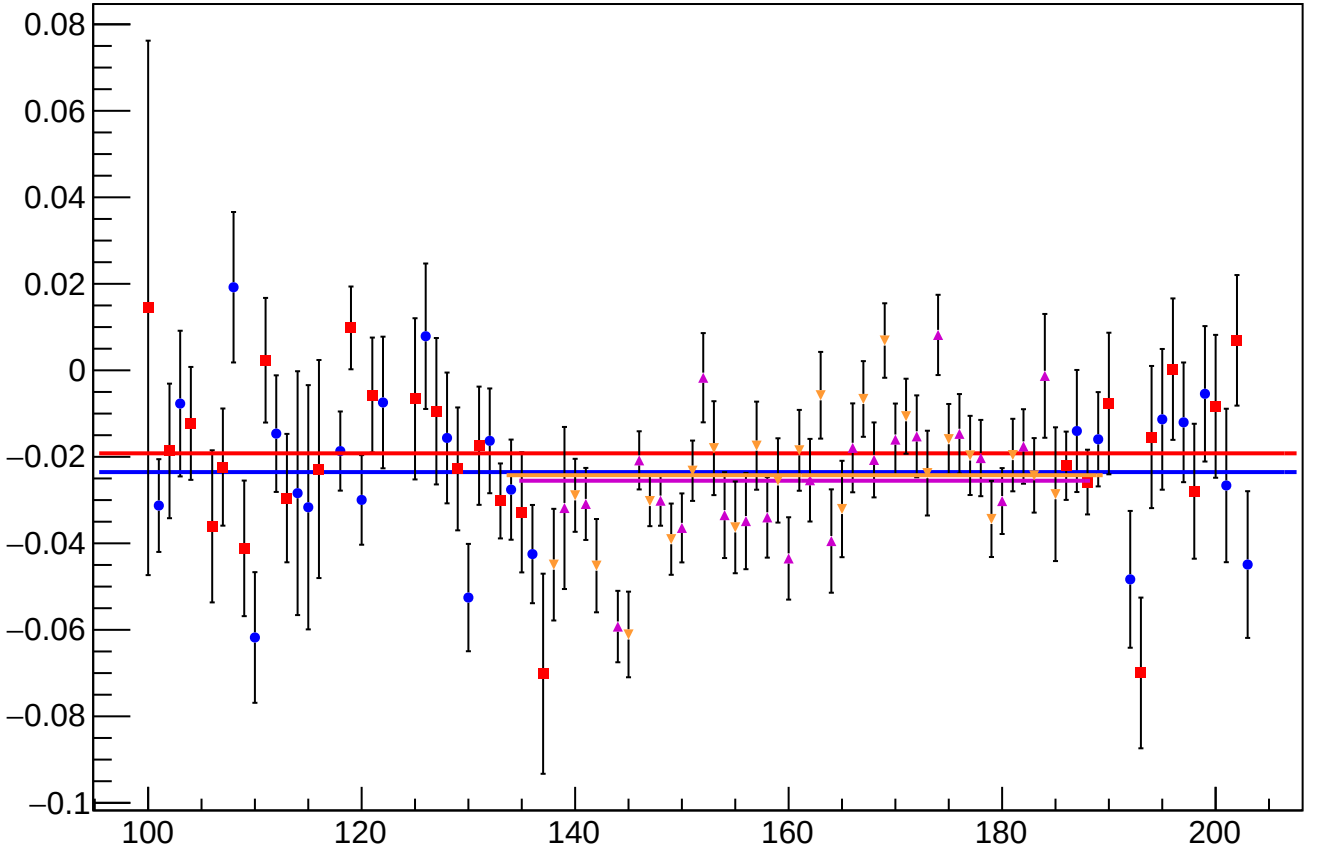
Right: -0.021+/-0.002 χ^2/NDF: 1634.3/50

In: -0.011+/-0.002 χ^2/NDF:1066.6/46

Out: -0.012+/-0.002 χ^2/NDF:1944.7/50

All: -0.011+/-0.001 χ^2/NDF: 3011.5/97

reg_asym_bcm_an_us_an_ds_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -0.024+/-0.003 χ^2/NDF: 36.3/23

Left Out: -0.024+/-0.002 χ^2/NDF:53.7/23

Right Out: -0.019+/-0.003 χ^2/NDF: 39.9/26

Left In: -0.026+/-0.002 χ^2/NDF:55.0/22

Left: -0.025+/-0.001 χ^2/NDF: 109.0/46

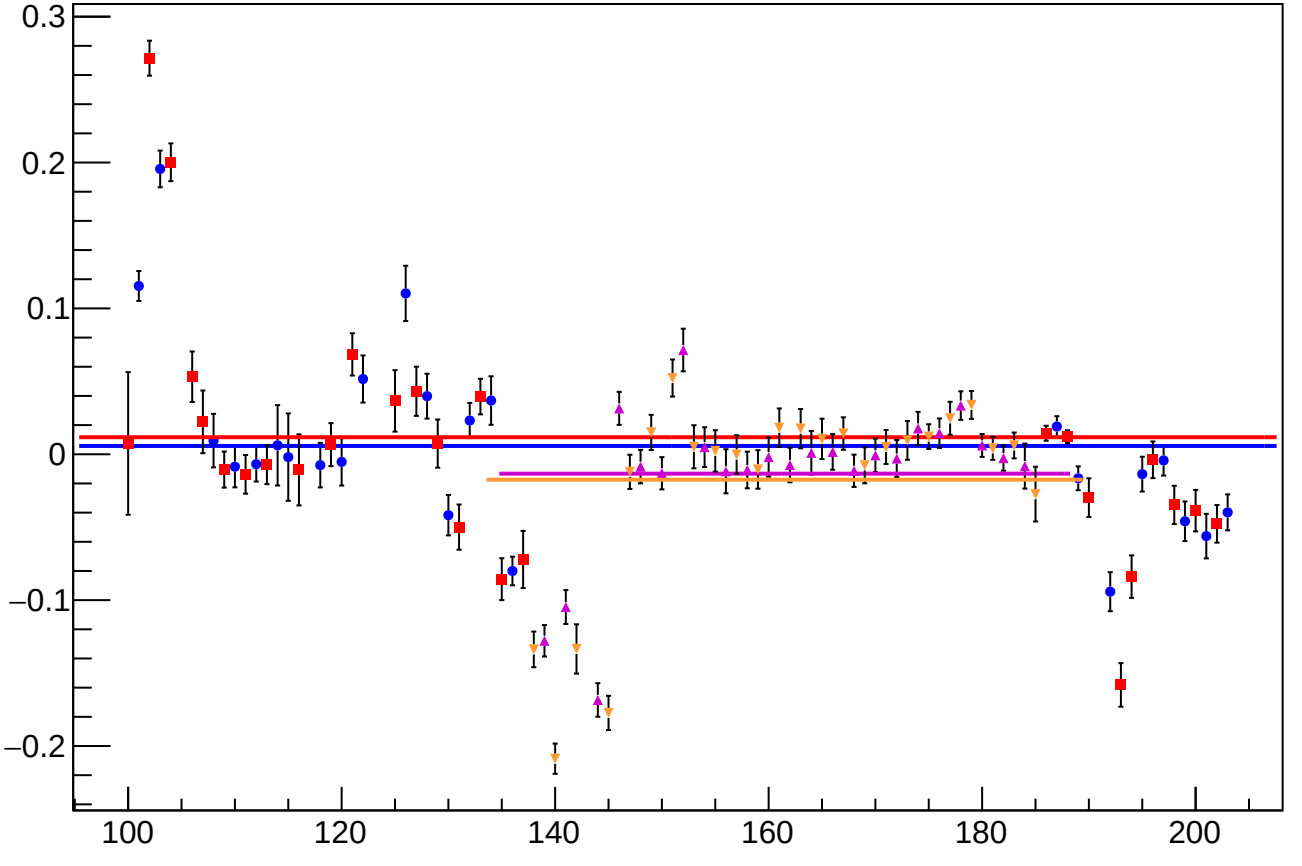
Right: -0.021+/-0.002 χ^2/NDF: 77.5/50

In: -0.025+/-0.002 χ^2/NDF:91.6/46

Out: -0.023+/-0.002 χ^2/NDF:96.2/50

All: -0.024+/-0.001 χ^2/NDF: 189.0/97

reg_asym_bcm_an_us_an_ds_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 0.006+/-0.003 χ^2/NDF: 597.6/23

Left Out: -0.017+/-0.002 χ^2/NDF:812.1/23

Right Out: 0.012+/-0.002 χ^2/NDF: 1033.0/26

Left In: -0.013+/-0.002 χ^2/NDF:458.6/22

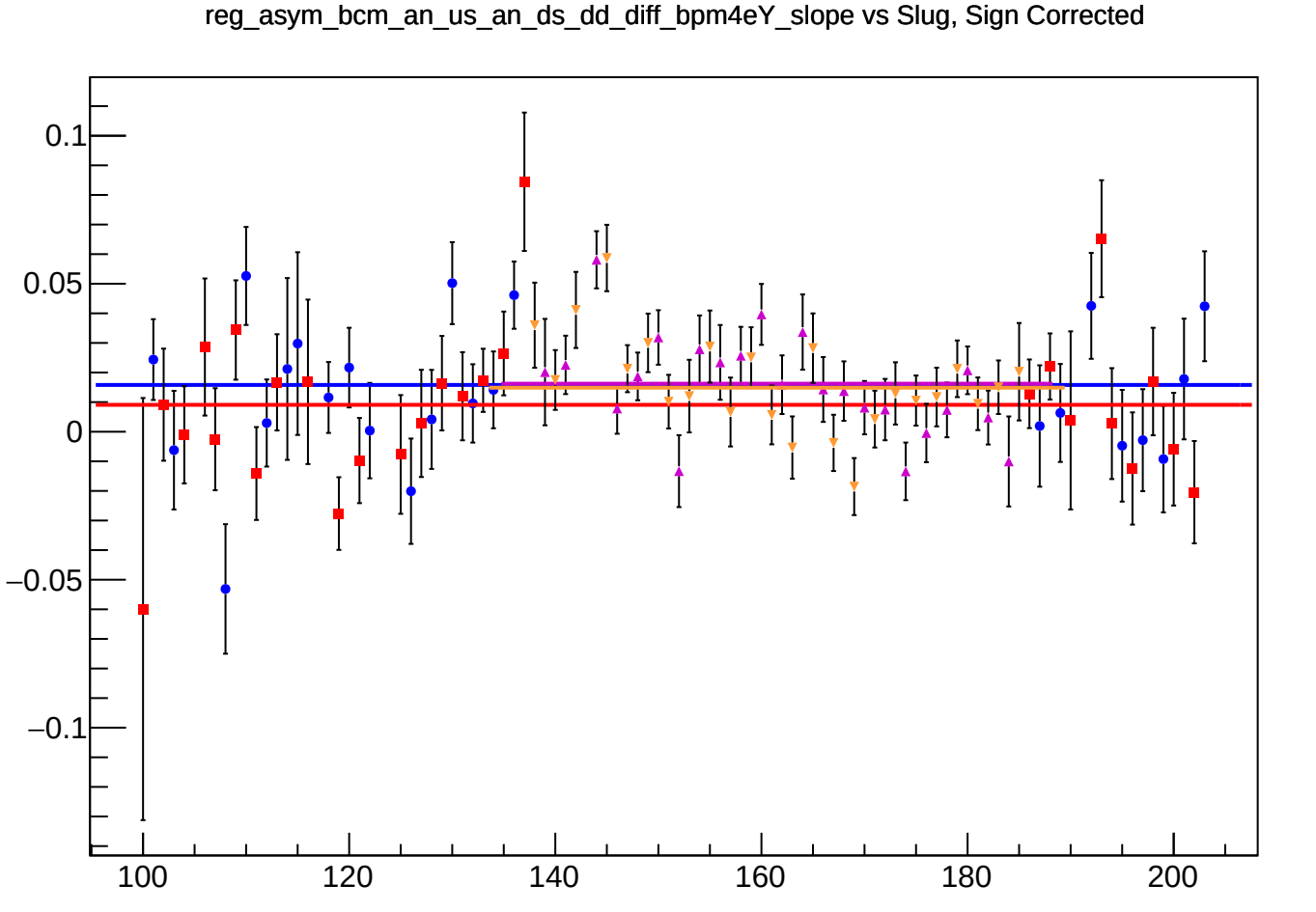
Left: -0.015+/-0.002 χ^2/NDF: 1272.2/46

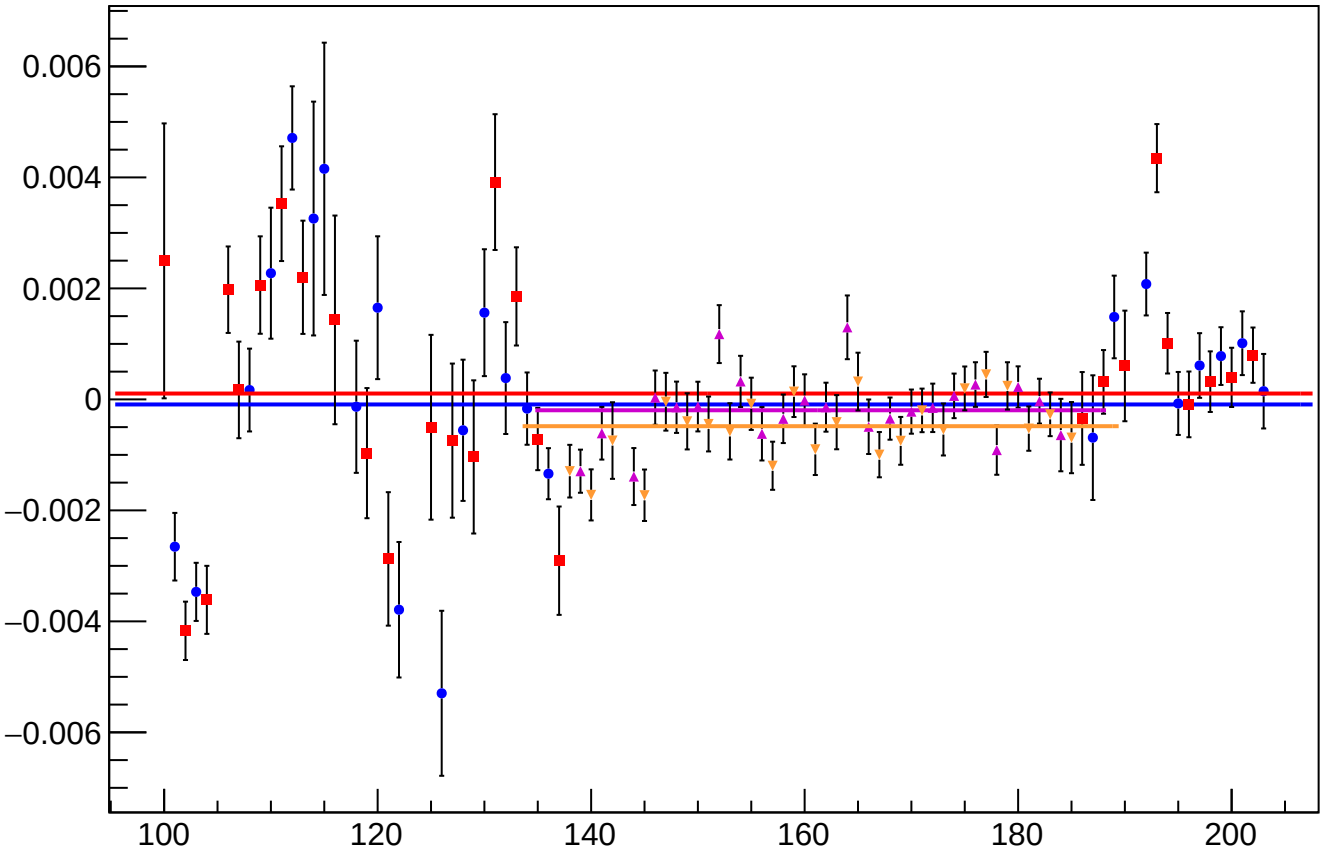
Right: 0.009+/-0.002 χ^2/NDF: 1633.7/50

In: -0.005+/-0.002 χ^2/NDF:1085.6/46

Out: -0.002+/-0.002 χ^2/NDF:1925.5/50

All: -0.003+/-0.001 χ^2/NDF: 3012.3/97


reg_asym_bcm_an_us_an_ds_dd_diff_bpm4eY_slope vs Slug, Sign Corrected
0.1
0.05
0
−0.05
−0.1
100
120
140
160
180
200
Right In: 0.016+/-0.003 χ²/NDF: 46.2/23
Left Out: 0.015+/-0.002 χ²/NDF:52.1/23
Right Out: 0.009+/-0.003 χ²/NDF: 46.1/26
Left In: 0.016+/-0.002 χ²/NDF:58.0/22
Left: 0.016+/-0.001 χ²/NDF: 110.2/46
Right: 0.012+/-0.002 χ²/NDF: 94.5/50
In: 0.016+/-0.002 χ²/NDF:104.2/46
Out: 0.013+/-0.002 χ²/NDF:100.5/50
All: 0.015+/-0.001 χ²/NDF: 206.1/97



Right In: -0.000+/-0.000 χ^2/NDF: 156.7/23

Left Out: -0.000+/-0.000 χ^2/NDF:40.8/23

Right Out: 0.000+/-0.000 χ^2/NDF: 217.3/26

Left In: -0.000+/-0.000 χ^2/NDF:37.2/22

Left: -0.000+/-0.000 χ^2/NDF: 82.8/46

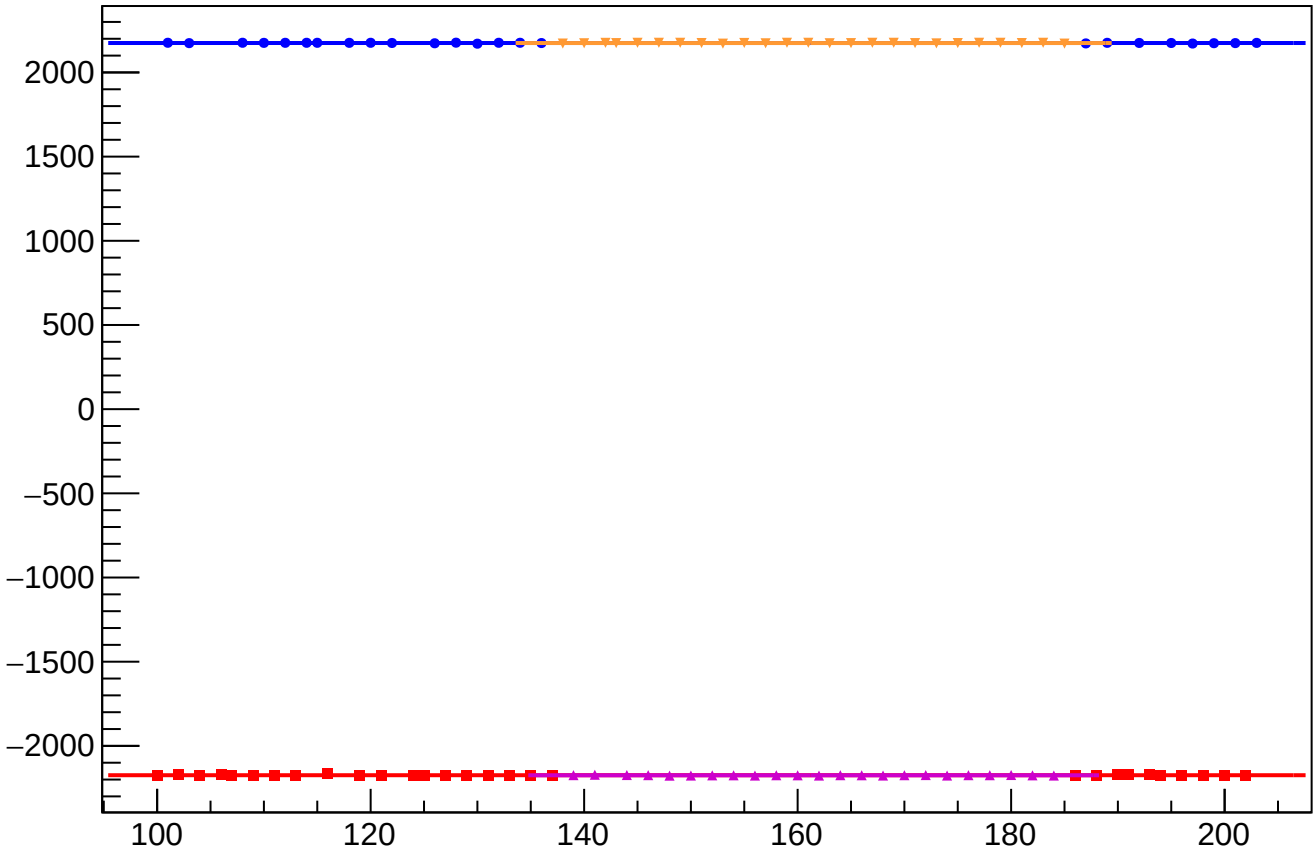
Right: 0.000+/-0.000 χ^2/NDF: 374.9/50

In: -0.000+/-0.000 χ^2/NDF:194.3/46

Out: -0.000+/-0.000 χ^2/NDF:269.7/50

All: -0.000+/-0.000 χ^2/NDF: 465.6/97

HALLA_p_mean vs Slug, Sign Corrected



Left: 62.103+/-0.000 χ^2/NDF: 1854116767315315

Right In: 2174.823+/-0.000 χ^2/NDF: 3086176791199406934726003384123392.0/23

Right: -101.503+/-0.000 χ^2/NDF: 13404416580588

Left Out: 2174.643+/-0.000 χ^2/NDF:52116844463194421571996575984517 12.0/24

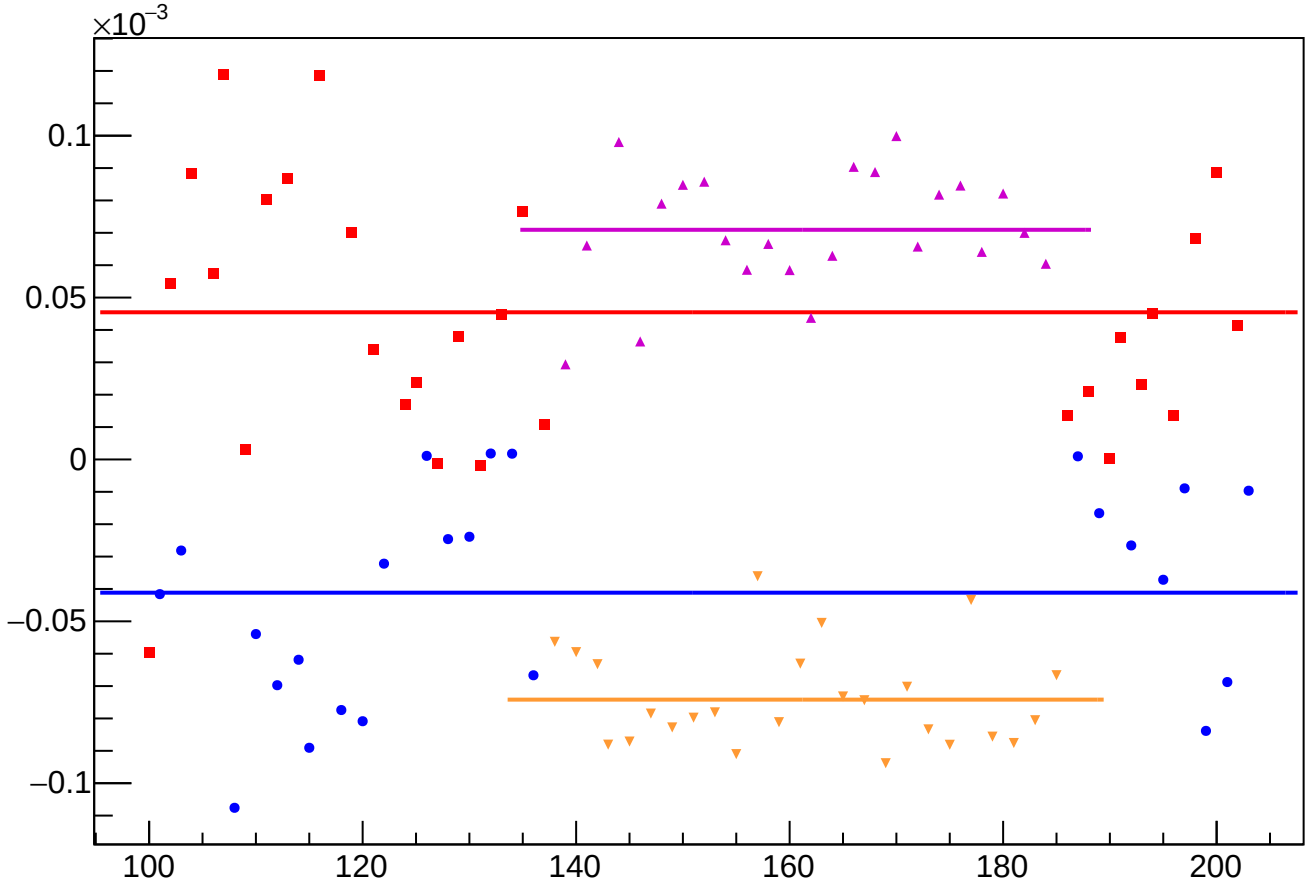
In: -368.106+/-0.000 χ^2/NDF:1497552017141734

Right Out: -2174.229+/-0.000 χ^2/NDF: 96956238387726377251783661919928 32.0/28

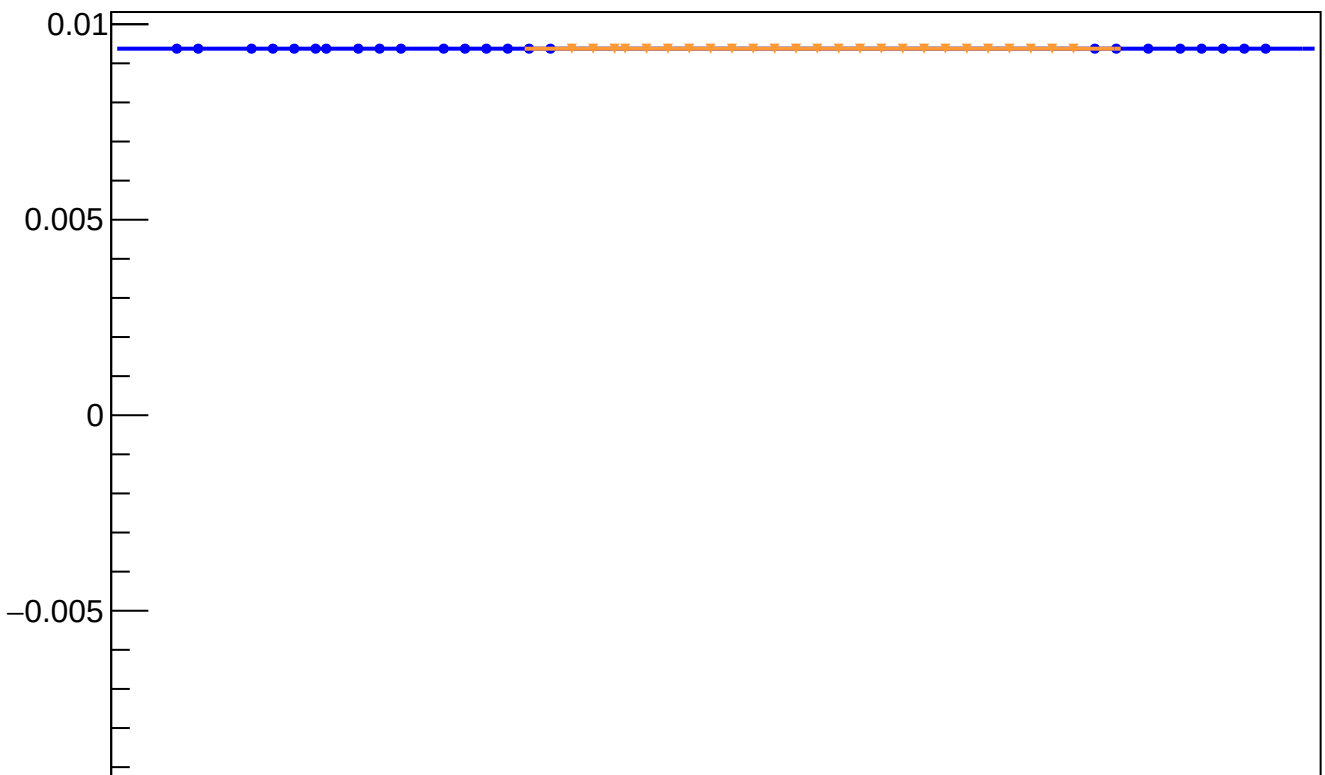
Out: 329.629+/-0.000 χ^2/NDF:1619189432343087

Left In: -2174.573+/-0.000 χ^2/NDF:34312670977938388457288638157291 52.0/22

All: -6.604+/-0.000 χ^2/NDF: 319896934891


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: 1223672172379541524709376.0/23
Left Out: -0.000+/-0.000 χ²/NDF:4718347685513097925099520.0/24
Right Out: 0.000+/-0.000 χ²/NDF: 154578167000209434660044 8.0/28
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: 80854648415506474
In: 0.000+/-0.000 χ²/NDF:1180073568539583441
Out: -0.000+/-0.000 χ²/NDF:14272182812971936
All: -0.000+/-0.000 χ²/NDF: 2993330998209

MQ171LM_mean vs Slug, Sign Corrected



Right In: 0.009+/-0.000 χ^2/NDF: 0.2/23

Left Out: 0.009+/-0.000 χ^2/NDF:0.1/24

Right Out: -0.009+/-0.000 χ^2/NDF: 0.2/28

Left In: -0.009+/-0.000 χ^2/NDF:0.1/22

Left: 0.000+/-0.000 χ^2/NDF: 344601849197246623

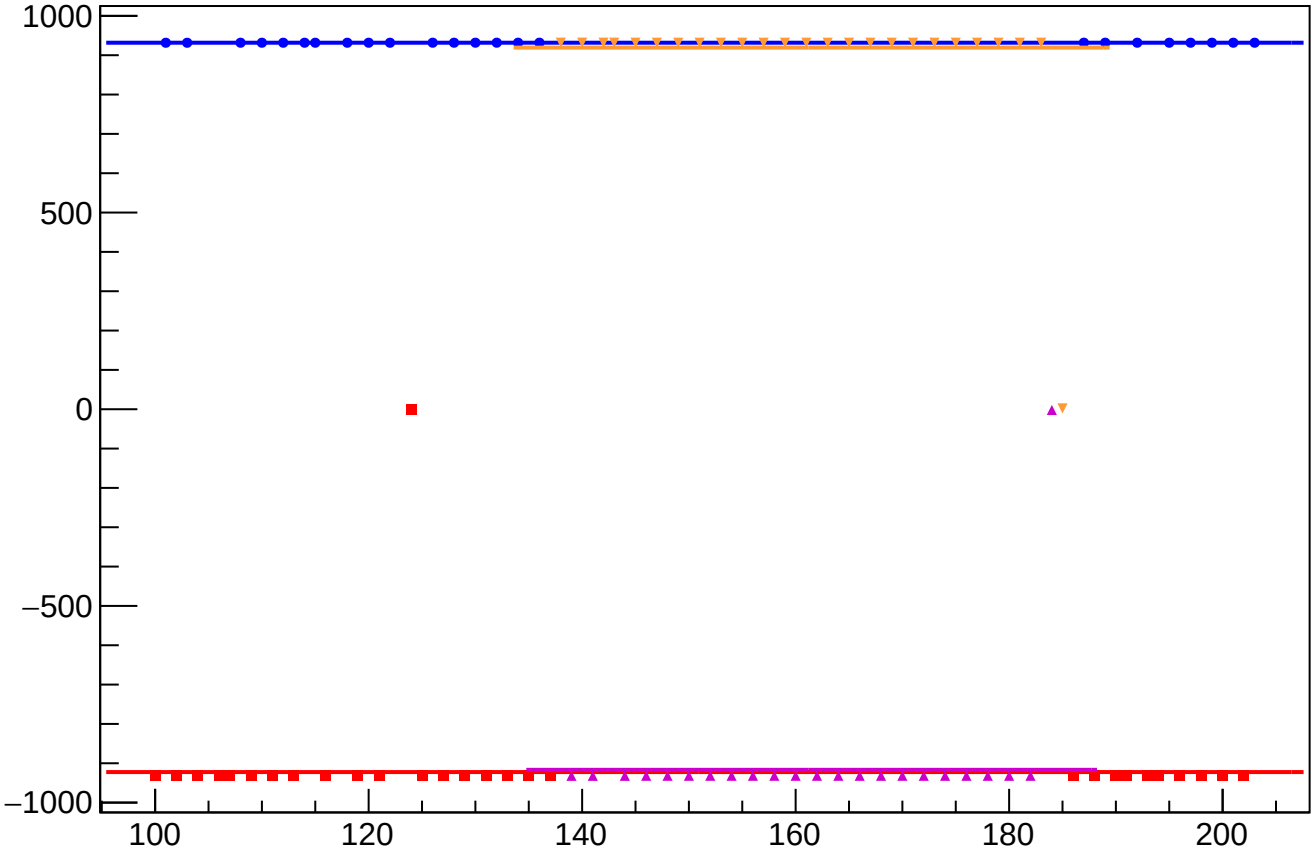
Right: -0.000+/-0.000 χ^2/NDF: 24915002969904919

In: -0.002+/-0.000 χ^2/NDF:278308521855827490

Out: 0.001+/-0.000 χ^2/NDF:300986247325248807

All: -0.000+/-0.000 χ^2/NDF: 5945743486696

HacL_Q2_HP3458A_IOUT_mean vs Slug, Sign Corrected



Left: 27.548+/-0.000 χ^2/NDF: 3353551808219363

Right In: 931.776+/-0.000 χ^2/NDF: 319320109779572941807868601958 4.0/23

Right: -38.703+/-0.000 χ^2/NDF: 244930419287175

Left Out: 919.347+/-0.000 χ^2/NDF:230211234962152806190415261330812436 48.0/24

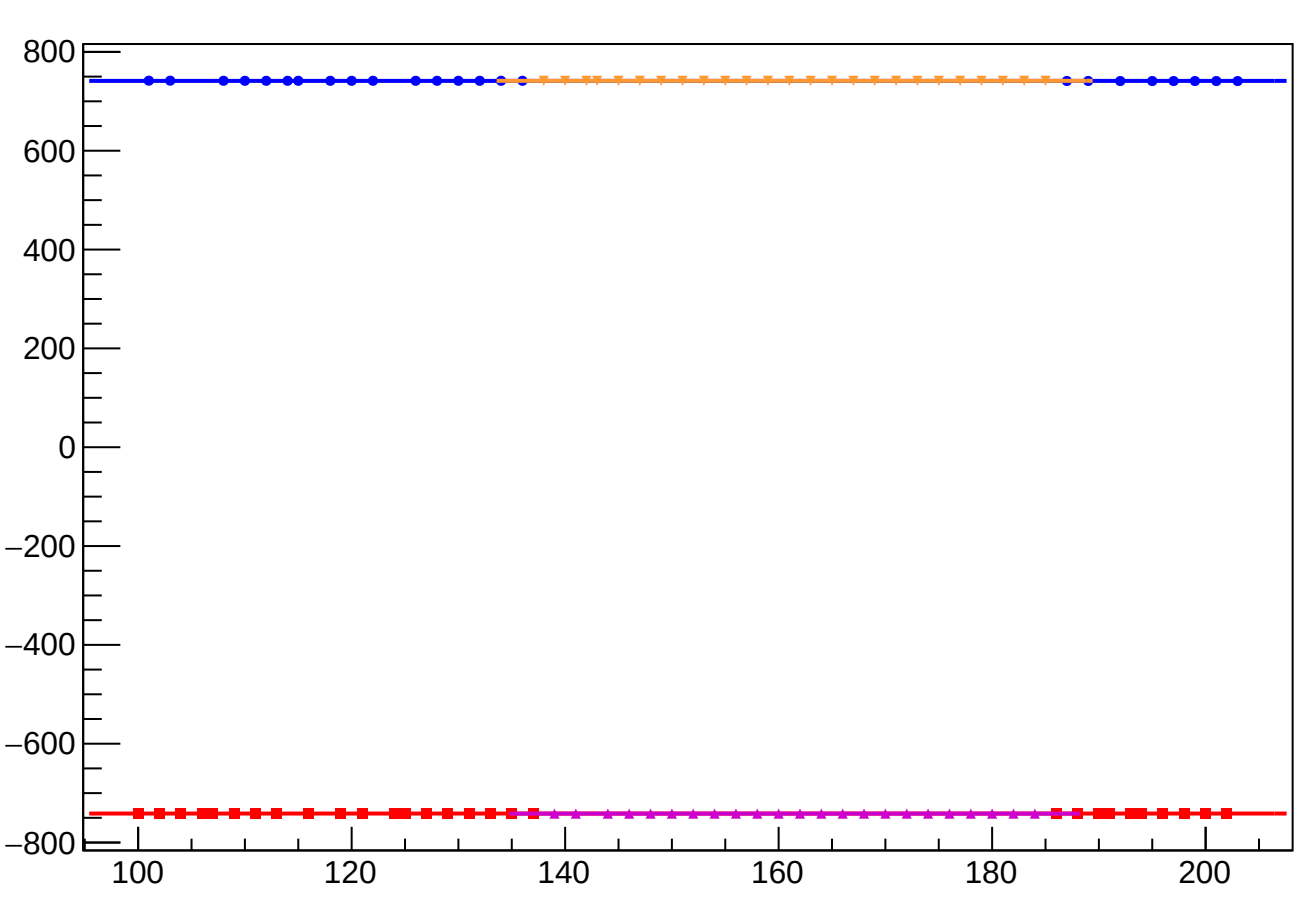
In: -148.932+/-0.000 χ^2/NDF:2731137236013399

Right Out: -922.380+/-0.000 χ^2/NDF: 1289094433655937409988619901886214 9632.0/28

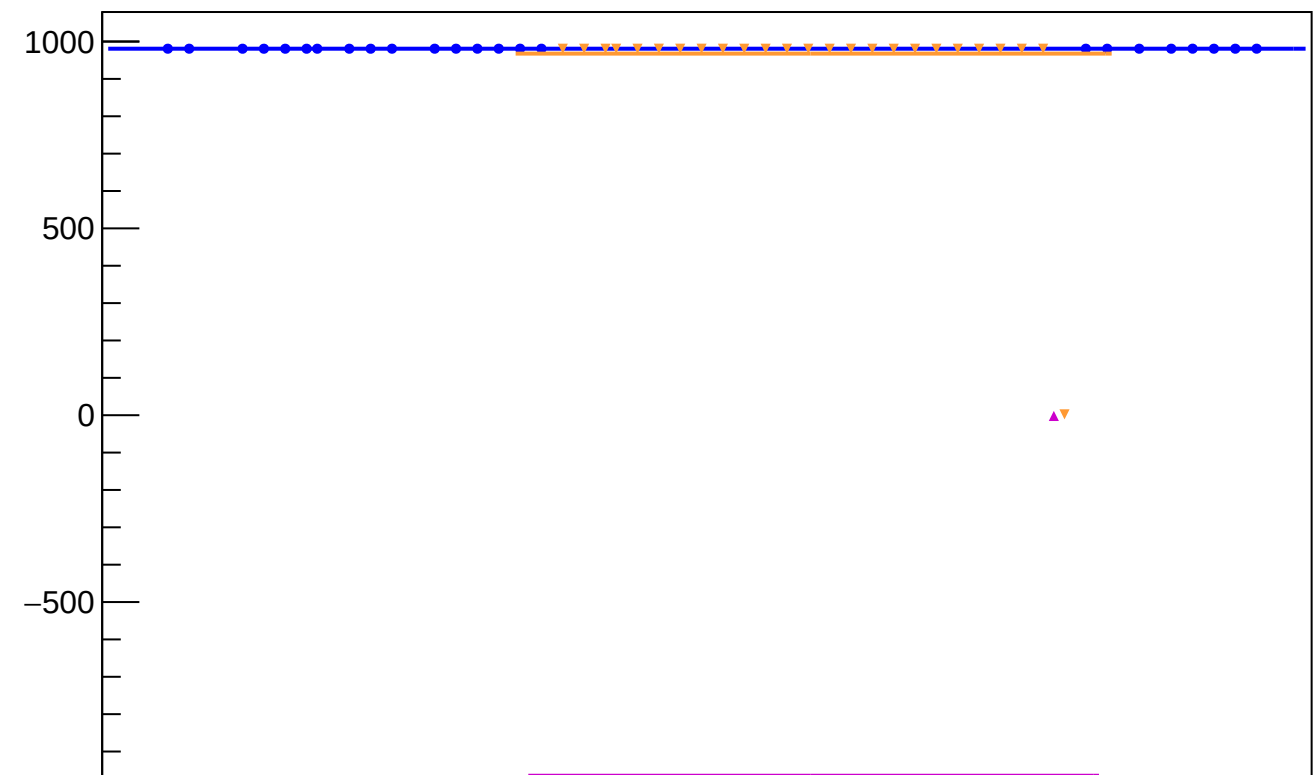
Out: 137.992+/-0.000 χ^2/NDF:2939901121676501

Left In: -916.654+/-0.000 χ^2/NDF:263697449311835480737856648421855723 52.0/22

All: -0.274+/-0.000 χ^2/NDF: 5810089085508


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: 741.330+/-0.000 χ²/NDF: 10075667530493421422845592443289 6.0/23
Left Out: 741.513+/-0.000 χ²/NDF:2519763107681262962318896005 12.0/24
Right Out: -741.325+/-0.000 χ²/NDF: 10955804224942379985425716058521 6.0/28
Left In: -741.513+/-0.000 χ²/NDF:2347039830300854231858958827 52.0/22
Left: 21.165+/-0.000 χ²/NDF: 215581911834256 32
Right: -34.702+/-0.000 χ²/NDF: 15578973858491 15
In: -125.632+/-0.000 χ²/NDF:17406613514753 24
Out: 112.417+/-0.000 χ²/NDF:18824848787575 34
All: -2.297+/-0.000 χ²/NDF: 371885979347 4

HacL_Q3_HP3458A_IOUT_mean vs Slug, Sign Corrected



Right In: 980.810+/-0.000 χ^2/NDF: 1741914299554725610046359601152.0/23

Left Out: 967.677+/-0.000 χ^2/NDF:2550515560327992564154129577963369267 2.0/24

Right Out: -980.777+/-0.000 χ^2/NDF: 6339007420336362121222582330982 4.0/28

Left In: -964.854+/-0.000 χ^2/NDF:29215838960103078784112845628245016576.0/22

Left: 28.991+/-0.000 χ^2/NDF: 37154523356806808

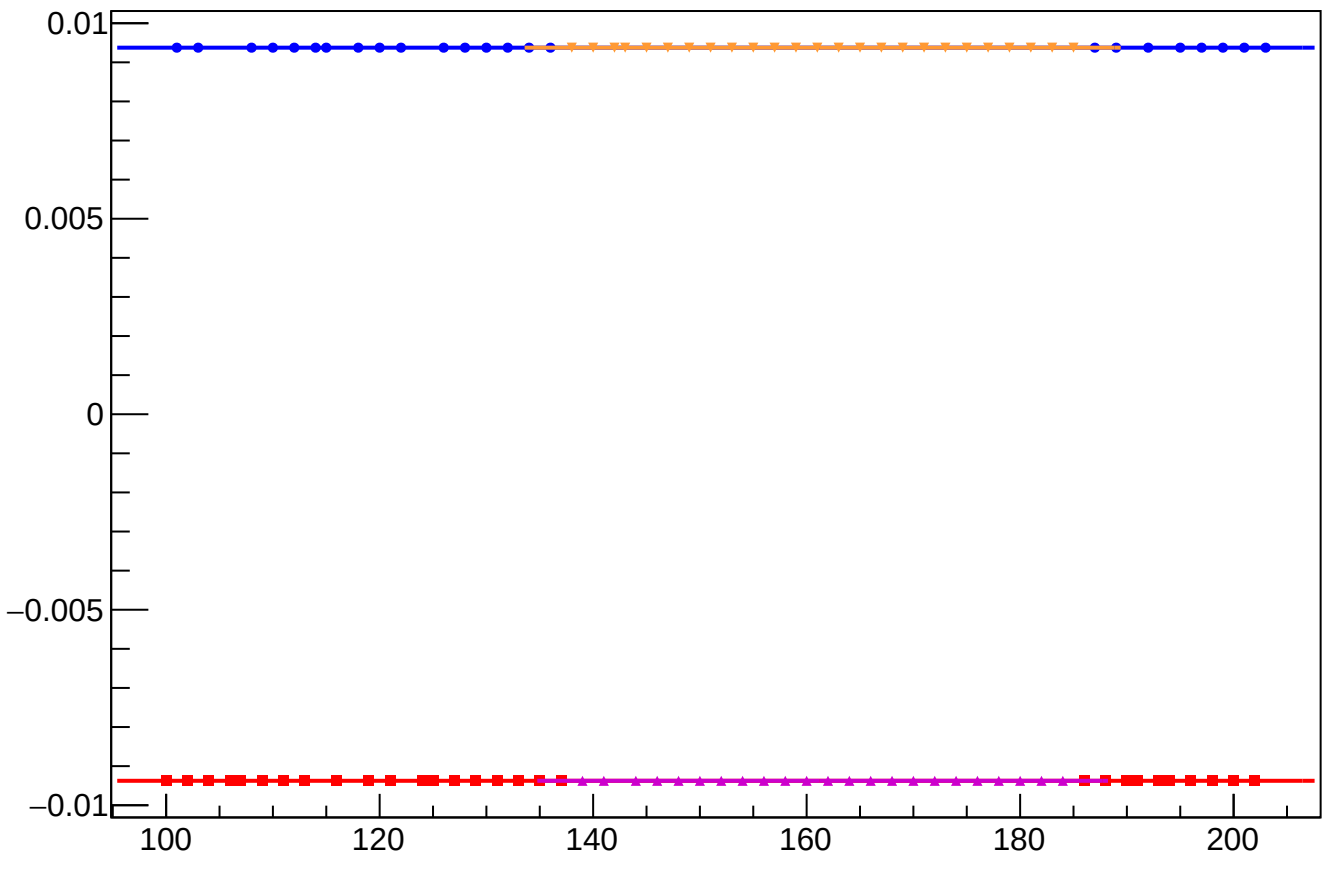
Right: -45.899+/-0.000 χ^2/NDF: 272692649402484

In: -156.747+/-0.000 χ^2/NDF:3026027827413051

Out: 141.043+/-0.000 χ^2/NDF:3275811633284973

All: -2.460+/-0.000 χ^2/NDF: 6451621087831

MQ172RM_mean vs Slug, Sign Corrected



Right In: 0.009+/-0.000 χ^2/NDF: 0.2/23

Left Out: 0.009+/-0.000 χ^2/NDF:0.1/24

Right Out: -0.009+/-0.000 χ^2/NDF: 0.2/28

Left In: -0.009+/-0.000 χ^2/NDF:0.1/22

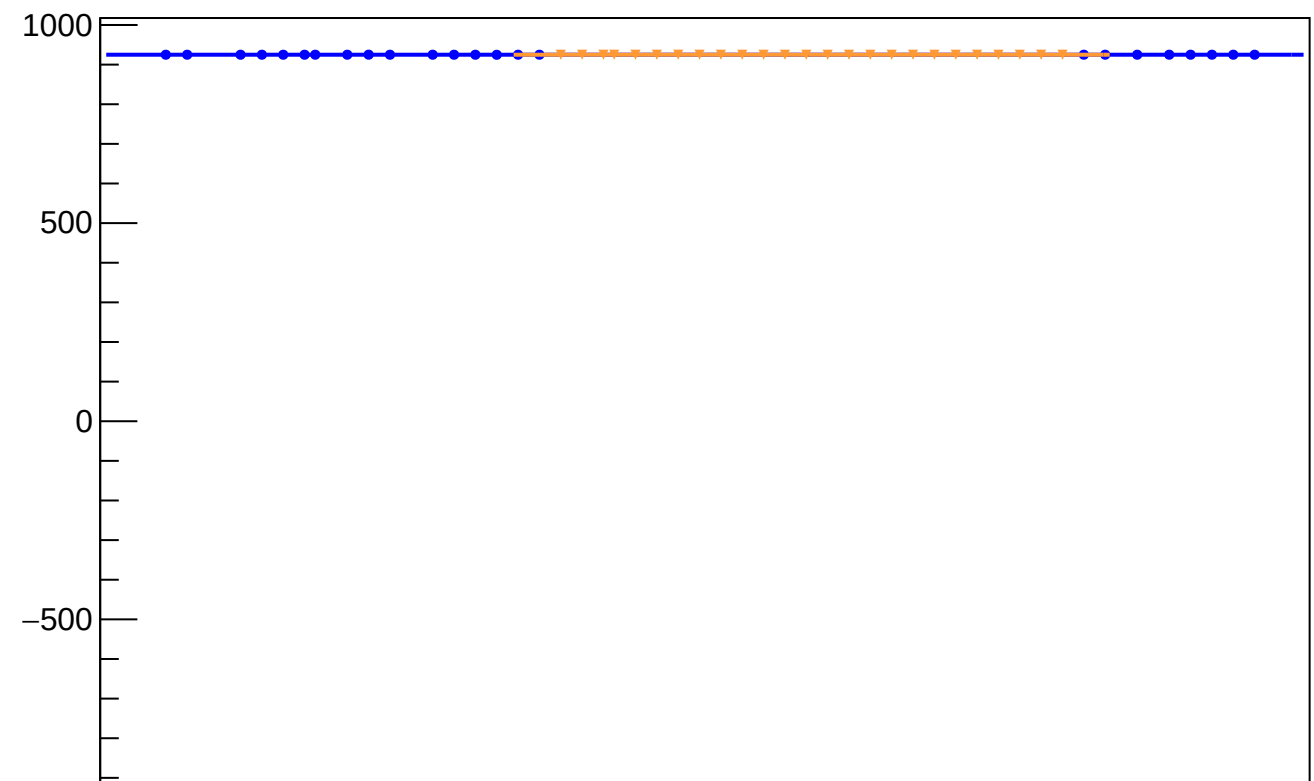
Left: 0.000+/-0.000 χ^2/NDF: 344601849197246623

Right: -0.000+/-0.000 χ^2/NDF: 24915002969904919

In: -0.002+/-0.000 χ^2/NDF:278308521855827490

Out: 0.001+/-0.000 χ^2/NDF:300986247325248807

All: -0.000+/-0.000 χ^2/NDF: 5945743486696



Right In: 924.988+/-0.000 χ^2/NDF: 335694094613233891257282566553 6.0/23

Left Out: 924.983+/-0.000 χ^2/NDF:1161112698344246137667167715328.0/24

Right Out: -924.993+/-0.000 χ^2/NDF: 1875810676696151929530622148608.0/28

Left In: -924.983+/-0.000 χ^2/NDF:928270307181587701368348475392.0/22

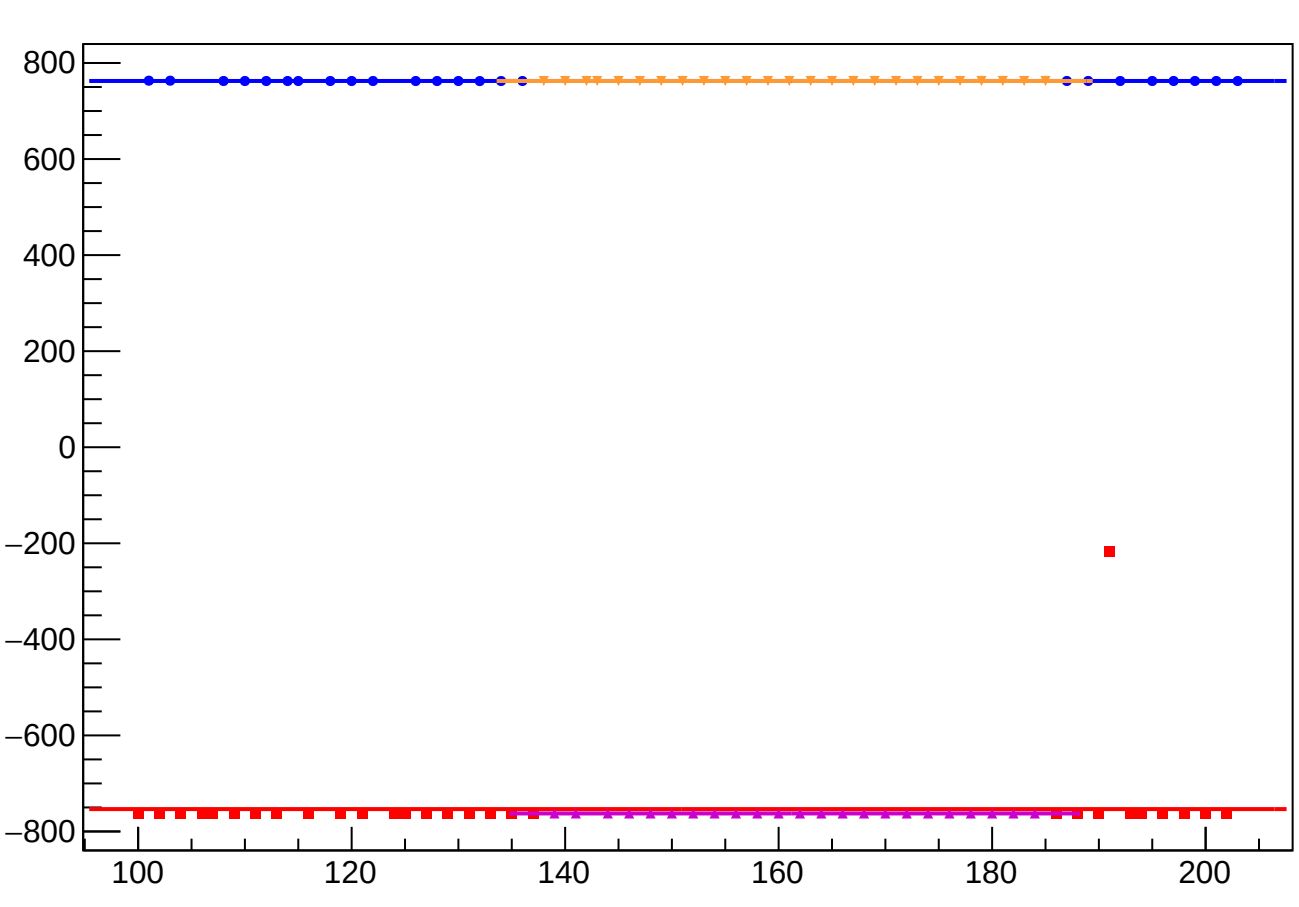
Left: 26.401+/-0.000 χ^2/NDF: 3354615142636374

Right: -43.305+/-0.000 χ^2/NDF: 2425451231262860

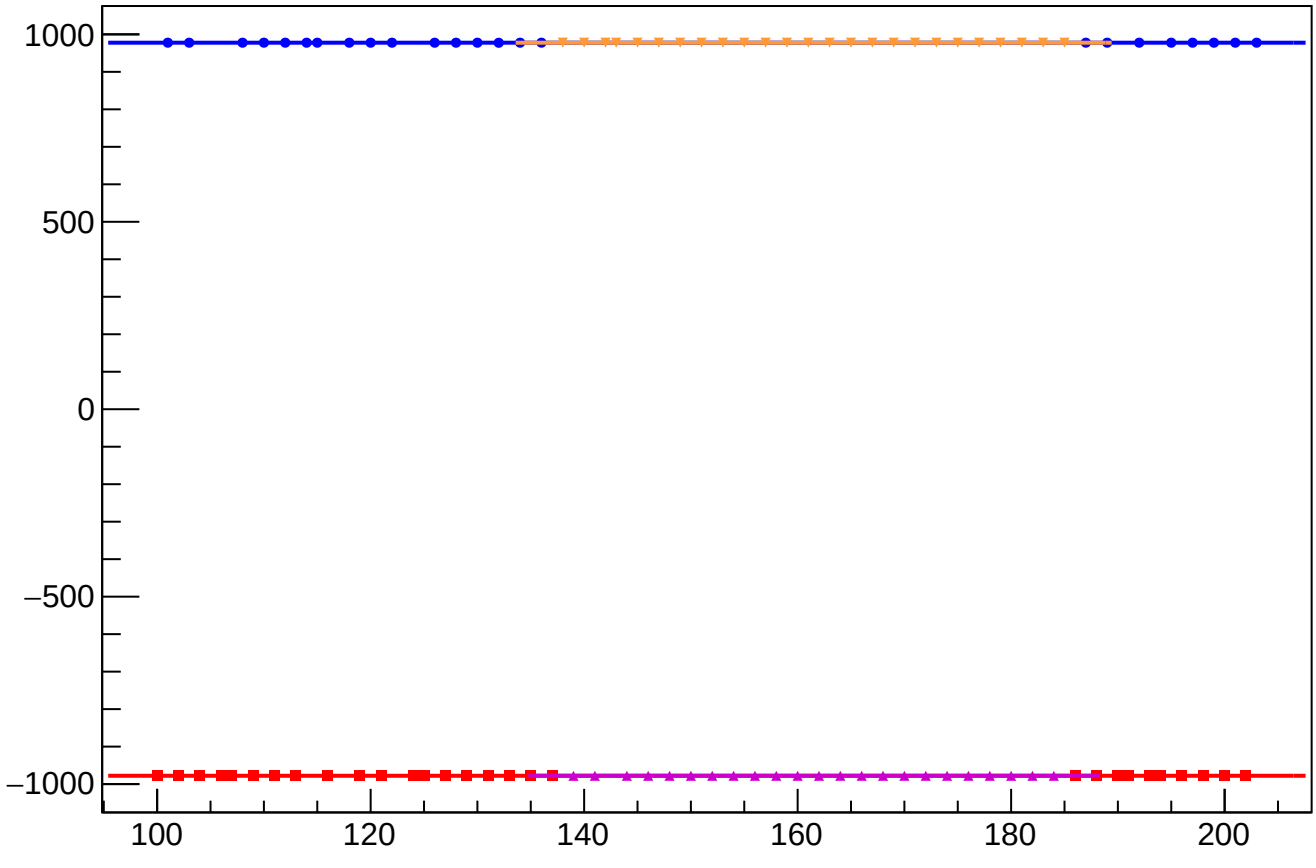
In: -156.621+/-0.000 χ^2/NDF:2709278386803040

Out: 140.129+/-0.000 χ^2/NDF:2930058067694267

All: -2.872+/-0.000 χ^2/NDF: 5788073590263


HacR_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: 762.575+/-0.000 χ²/NDF: 5440835655059970189259167498240 0.0/23
Left Out: 762.518+/-0.000 χ²/NDF:767703709161817083348479115264.0/24
Right Out: -753.410+/-0.000 χ²/NDF: 731452058722339750326956834229846016 0.0/28
Left In: -762.519+/-0.000 χ²/NDF:67064753778125939445211961753 6.0/22
Left: 21.764+/-0.000 χ²/NDF: 22796901664040585
Right: -30.902+/-0.000 χ²/NDF: 163604076613187
In: -129.090+/-0.000 χ²/NDF:1841268266778861
Out: 119.384+/-0.000 χ²/NDF:197475347681903
All: -0.354+/-0.000 χ²/NDF: 3920301775289

HacR_Q3_HP3458A_IOUT_mean vs Slug, Sign Corrected



Left: 27.908+/-0.000 χ^2/NDF: 37481642757083146

Right In: 977.758+/-0.000 χ^2/NDF: 21835980098330383278890192732 16.0/23

Right: -45.772+/-0.000 χ^2/NDF: 2710064537721303

Left Out: 977.738+/-0.000 χ^2/NDF:1178407872566336572325000904704.0/24

In: -165.546+/-0.000 χ^2/NDF:3027168123237816

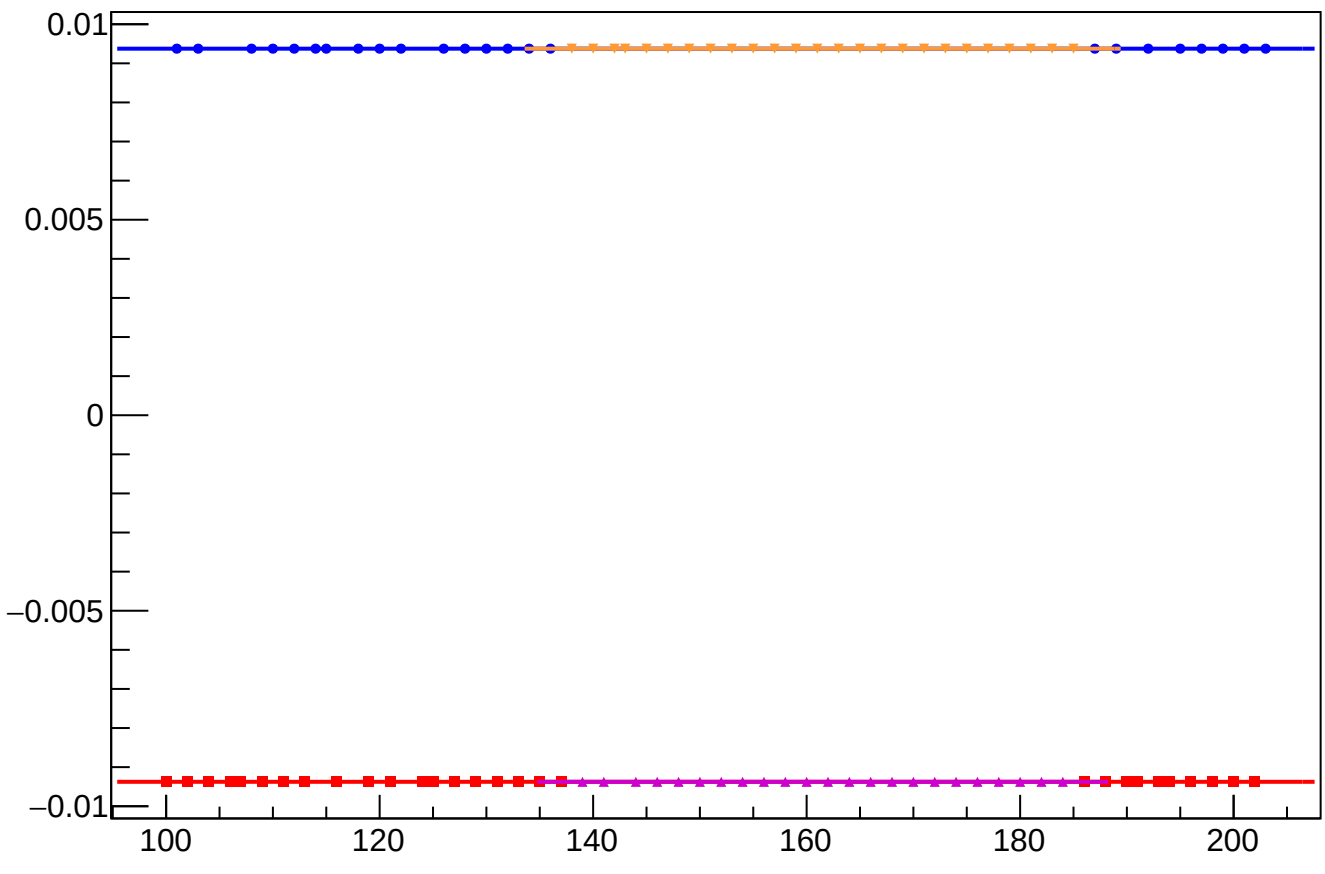
Right Out: -977.755+/-0.000 χ^2/NDF: 28041563466411813213547884707 84.0/28

Out: 148.118+/-0.000 χ^2/NDF:3273831468730645

Left In: -977.735+/-0.000 χ^2/NDF:10967664376054172546270725406 72.0/22

All: -3.034+/-0.000 χ^2/NDF: 6467174774987

hesDipole_current_mean vs Slug, Sign Corrected



Right In: 0.009+/-0.000 χ^2/NDF: 0.2/23

Left Out: 0.009+/-0.000 χ^2/NDF:0.1/24

Right Out: -0.009+/-0.000 χ^2/NDF: 0.2/28

Left In: -0.009+/-0.000 χ^2/NDF:0.1/22

Left: 0.000+/-0.000 χ^2/NDF: 344601849197246623

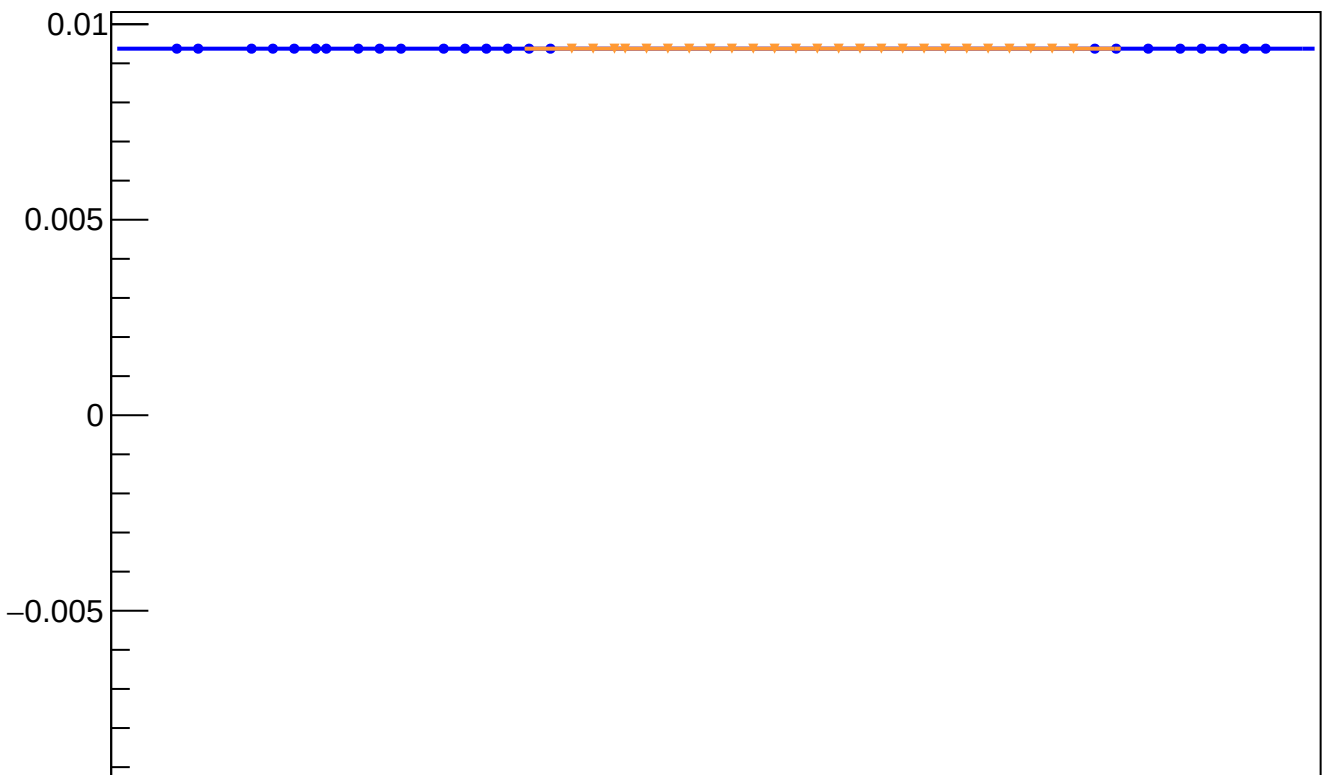
Right: -0.000+/-0.000 χ^2/NDF: 24915002969904919

In: -0.002+/-0.000 χ^2/NDF:278308521855827490

Out: 0.001+/-0.000 χ^2/NDF:300986247325248807

All: -0.000+/-0.000 χ^2/NDF: 5945743486696

MSUPERBIGBITEreadcalc_mean vs Slug, Sign Corrected



Right In: 0.009+/-0.000 χ^2/NDF: 0.2/23

Left Out: 0.009+/-0.000 χ^2/NDF:0.1/24

Right Out: -0.009+/-0.000 χ^2/NDF: 0.2/28

Left In: -0.009+/-0.000 χ^2/NDF:0.1/22

Left: 0.000+/-0.000 χ^2/NDF: 344601849197246623

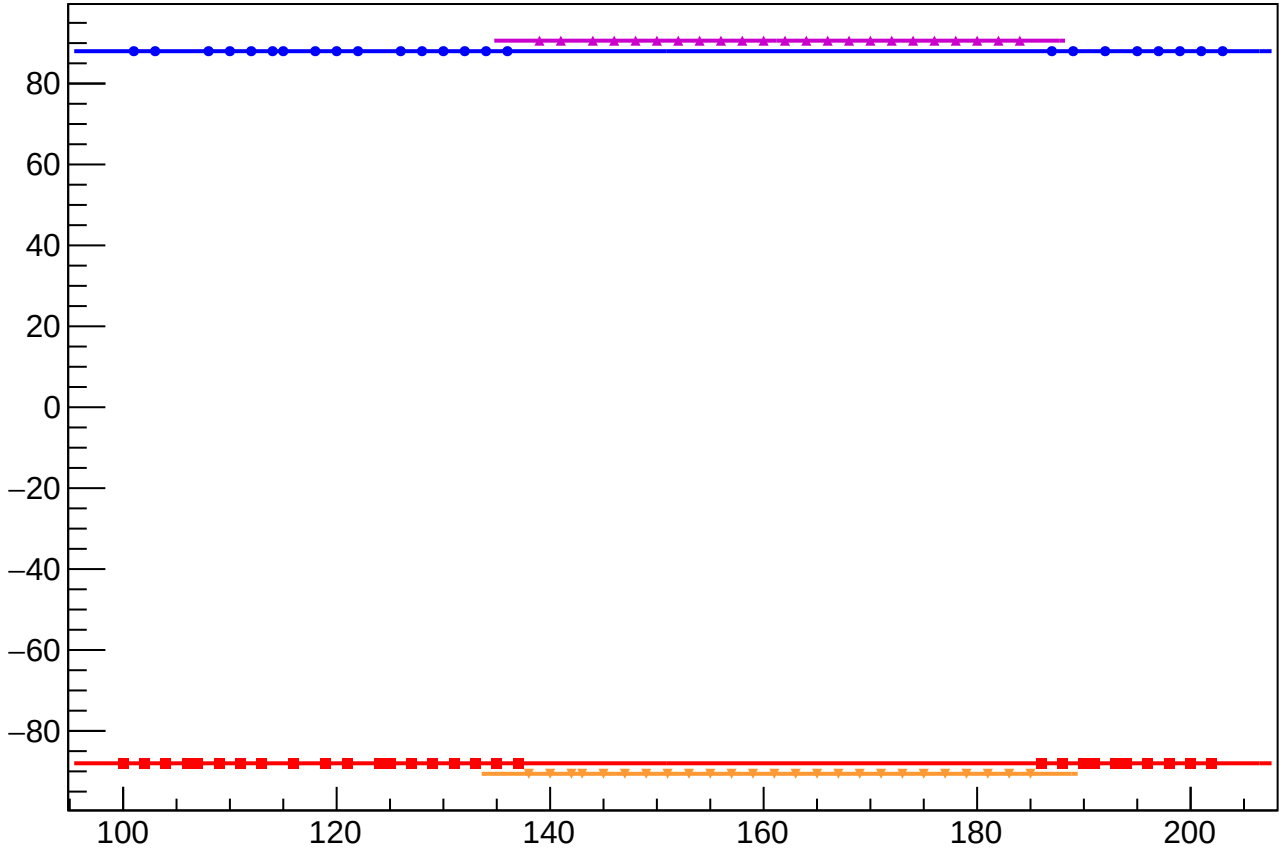
Right: -0.000+/-0.000 χ^2/NDF: 24915002969904919

In: -0.002+/-0.000 χ^2/NDF:278308521855827490

Out: 0.001+/-0.000 χ^2/NDF:300986247325248807

All: -0.000+/-0.000 χ^2/NDF: 5945743486696

VWienAngle_mean vs Slug, Sign Corrected



Right In: 88.001+/-0.000 χ^2/NDF: 2559493.9/23

Left Out: -90.599+/-0.000 χ^2/NDF:5219558.1/24

Right Out: -88.002+/-0.000 χ^2/NDF: 759425396009981356487391313920/28

Left In: 90.599+/-0.000 χ^2/NDF:7520558.1/22

Left: -2.586+/-0.000 χ^2/NDF: 32182865130583949

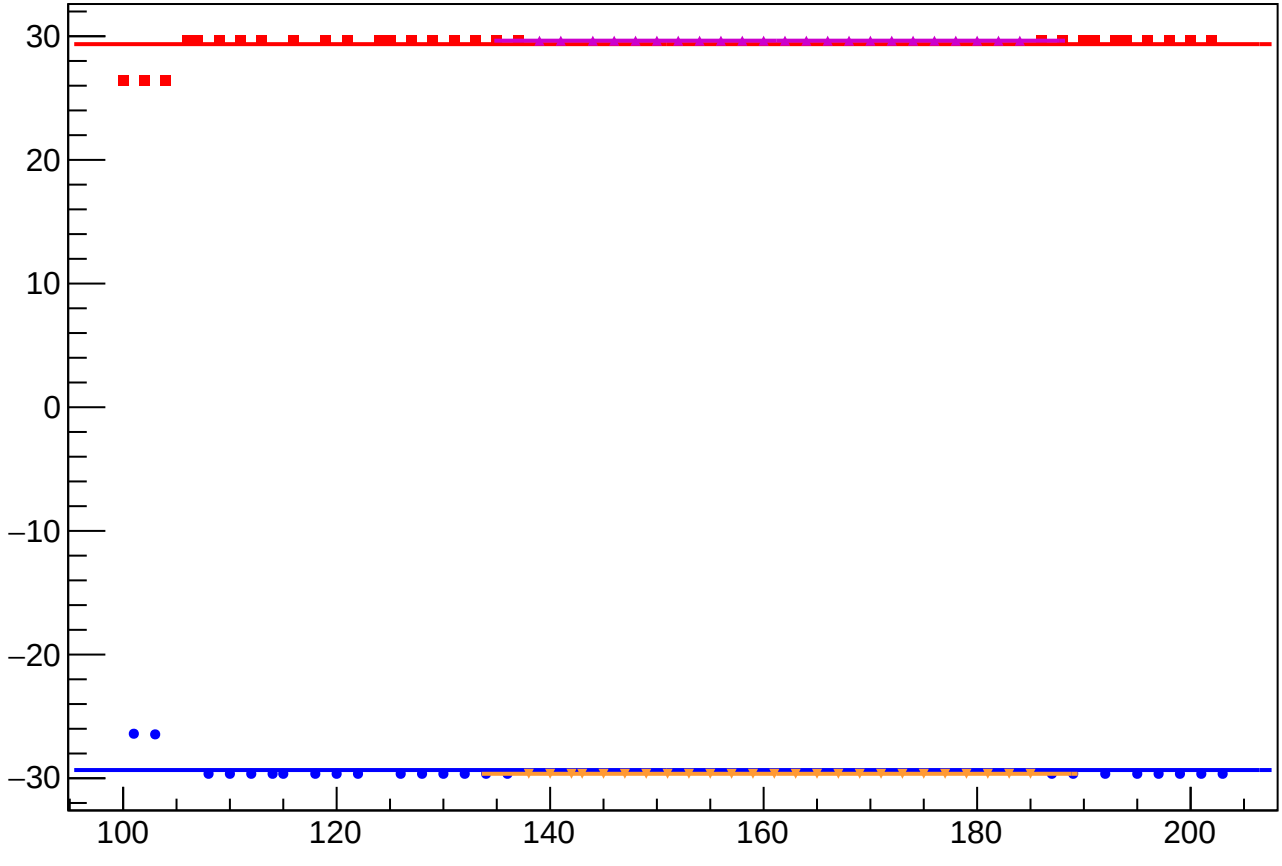
Right: -4.120+/-0.000 χ^2/NDF: 2195318426319794

In: 89.520+/-0.000 χ^2/NDF:534565269915019425

Out: -89.497+/-0.000 χ^2/NDF:5775143430374585

All: -3.230+/-0.000 χ^2/NDF: 5413992981594

HWienAngle_mean vs Slug, Sign Corrected



Right In: -29.337+/-0.000 χ^2/NDF: 11978156389111686438174351949824000.0/23

Left Out: -29.641+/-0.000 χ^2/NDF:409122.2/24

Right Out: 29.360+/-0.000 χ^2/NDF: 123671187841291725957808062778572 8.0/28

Left In: 29.641+/-0.000 χ^2/NDF:290780.4/22

Left: -0.846+/-0.000 χ^2/NDF: 34447051473431892

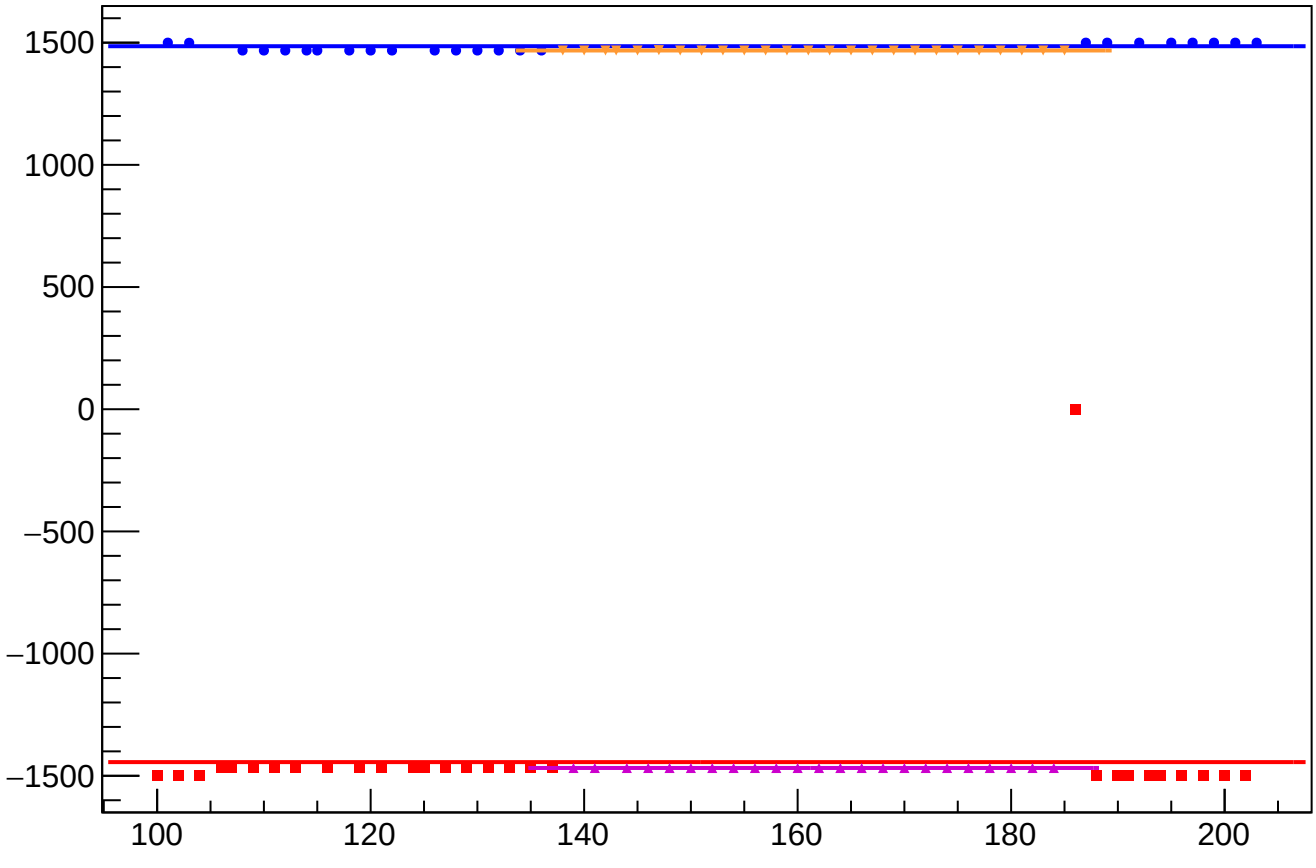
Right: 1.385+/-0.000 χ^2/NDF: 2444075391534403 6

In: 5.145+/-0.000 χ^2/NDF:2754771976903657623

Out: -4.610+/-0.000 χ^2/NDF:29814887482651137

All: 0.091+/-0.000 χ^2/NDF: 58969853195678

psub_pl_pos_mean vs Slug, Sign Corrected



Right In: 1485.480+/-0.000 χ^2/NDF: 34307312195471292424436064717688O128.0/23

Left Out: 1468.051+/-0.000 χ^2/NDF:139558223587677068165594208010240.0/24

Right Out: -1443.981+/-0.000 χ^2/NDF: 90482488421239822817344492717345865728.0/28

Left In: -1467.994+/-0.000 χ^2/NDF:1554938089860967537552245391360/22

Left: 41.929+/-0.000 χ^2/NDF: 84496793302930950

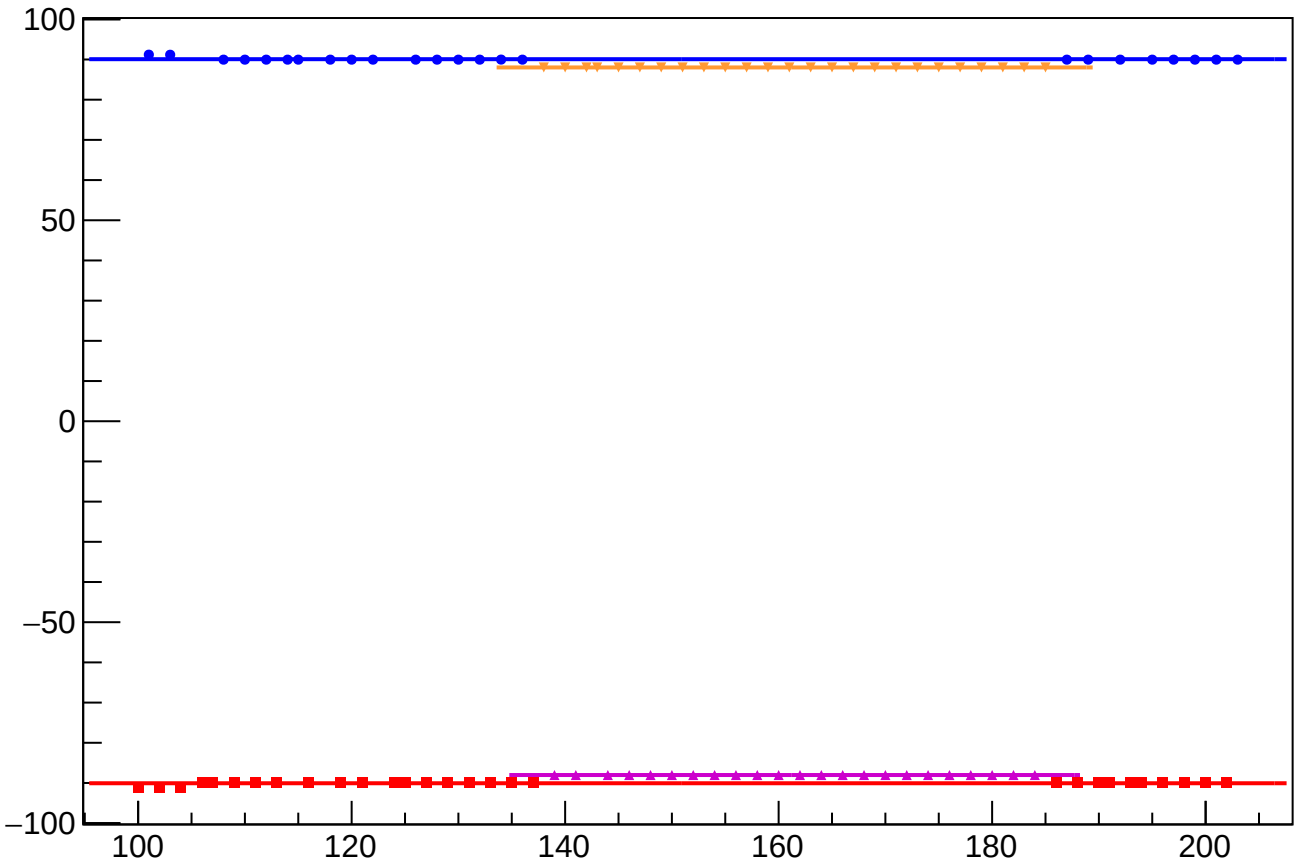
Right: -47.821+/-0.000 χ^2/NDF: 617264936651772

In: -241.306+/-0.000 χ^2/NDF:6905763409930809

Out: 232.618+/-0.000 χ^2/NDF:7350476913409084

All: 4.238+/-0.000 χ^2/NDF: 1463560280485

Phi_FG_mean vs Slug, Sign Corrected



Right In: 90.076+/-0.000 χ^2/NDF: 1752964960009635046189176056709 12.0/23

Left Out: 88.021+/-0.000 χ^2/NDF:5113333.3/24

Right Out: -90.067+/-0.000 χ^2/NDF: 1811431359785038143743189676195 84.0/28

Left In: -88.021+/-0.000 χ^2/NDF:7159272.4/22

Left: 2.512+/-0.000 χ^2/NDF: 3037698856817238 48

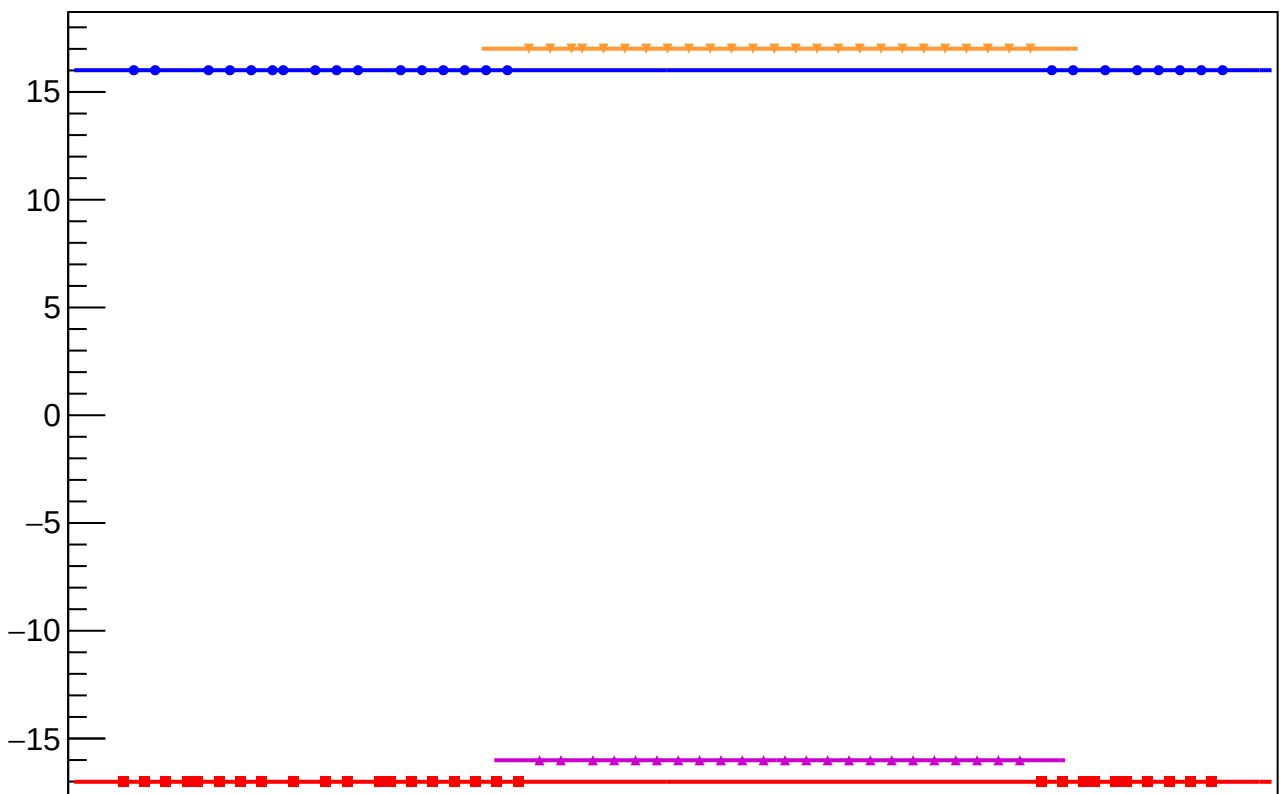
Right: -4.212+/-0.000 χ^2/NDF: 2299851759522659

In: -14.050+/-0.000 χ^2/NDF:2510957266671370 5

Out: 12.467+/-0.000 χ^2/NDF:2715277573553364 4

All: -0.312+/-0.000 χ^2/NDF: 5345001915740

IGL1I00DI24_24M_mean vs Slug, Sign Corrected



Left: 0.967+/-0.000 χ^2/NDF: 9915881080068676866

Right In: 16.009+/-0.000 χ^2/NDF: 1048222325092050985287680.0/23

Right: -1.116+/-0.000 χ^2/NDF: 74359036198442523

Left Out: 17.009+/-0.000 χ^2/NDF:279903456758836896737525760.0/24

In: -2.357+/-0.000 χ^2/NDF:773299715517618903

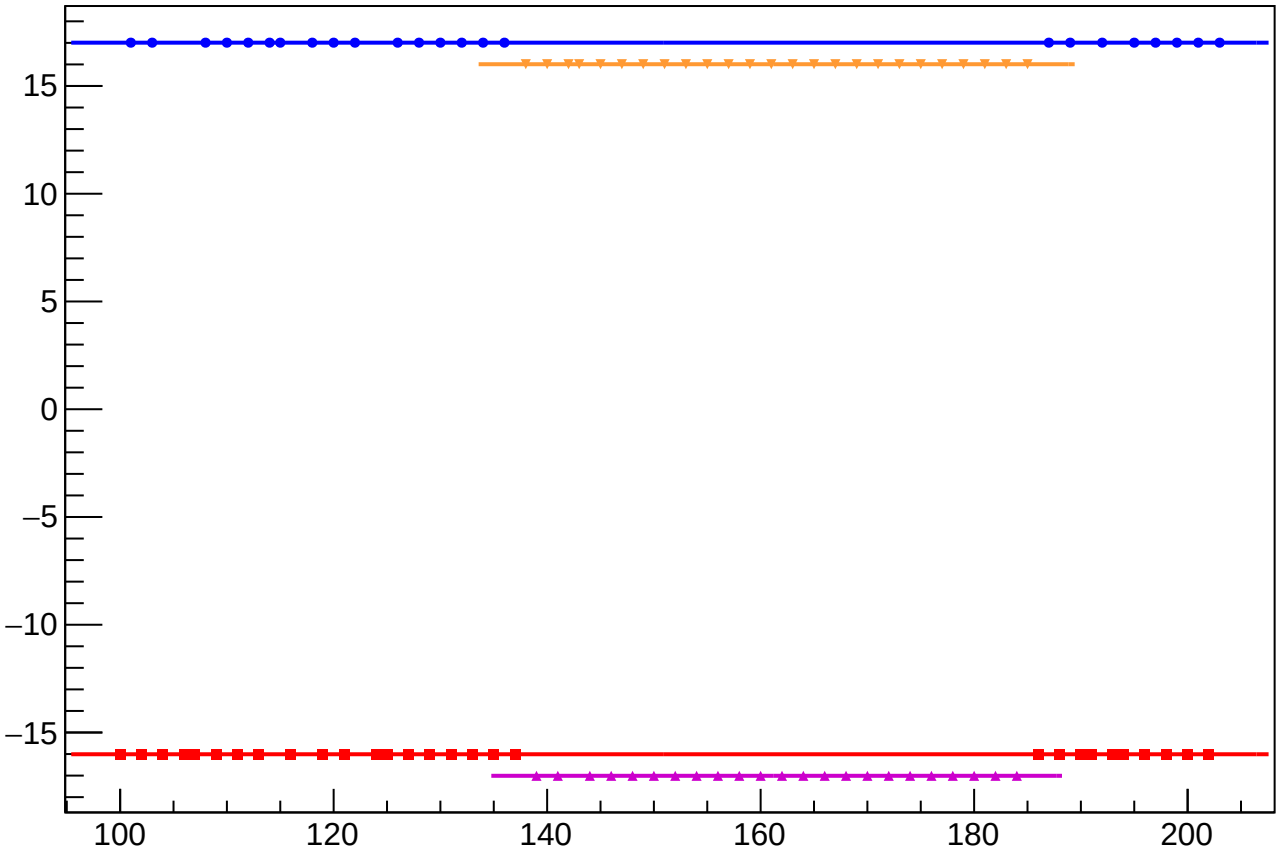
Right Out: -17.009+/-0.000 χ^2/NDF: 1831909934521196726347366 4.0/28

Out: 2.353+/-0.000 χ^2/NDF:933347634007815200

Left In: -16.009+/-0.000 χ^2/NDF:1246879121670635236884480.0/22

All: 0.074+/-0.000 χ^2/NDF: 17419528078584

IGL1I00OD16_16_mean vs Slug, Sign Corrected



Right In: 17.009+/-0.000 χ^2/NDF: 1048503625475611573616640.0/23

Left Out: 16.009+/-0.000 χ^2/NDF:2818892758481805649117184.0/24

Right Out: -16.009+/-0.000 χ^2/NDF: 392120.7/28

Left In: -17.009+/-0.000 χ^2/NDF:11100710442088156626944O.0/22

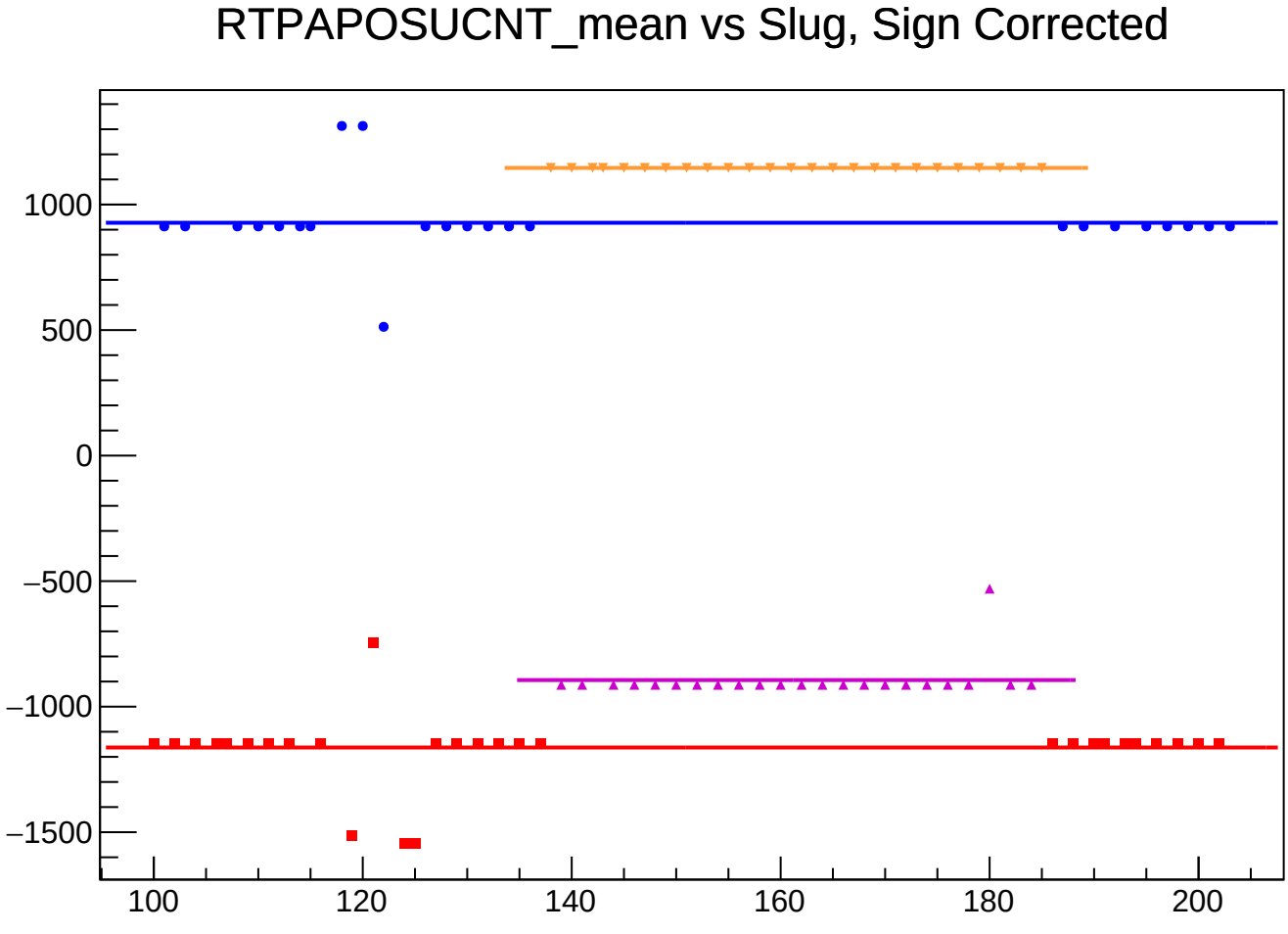
Left: 0.066+/-0.000 χ^2/NDF: 104866556030492975

Right: -0.460+/-0.000 χ^2/NDF: 7614005360907787

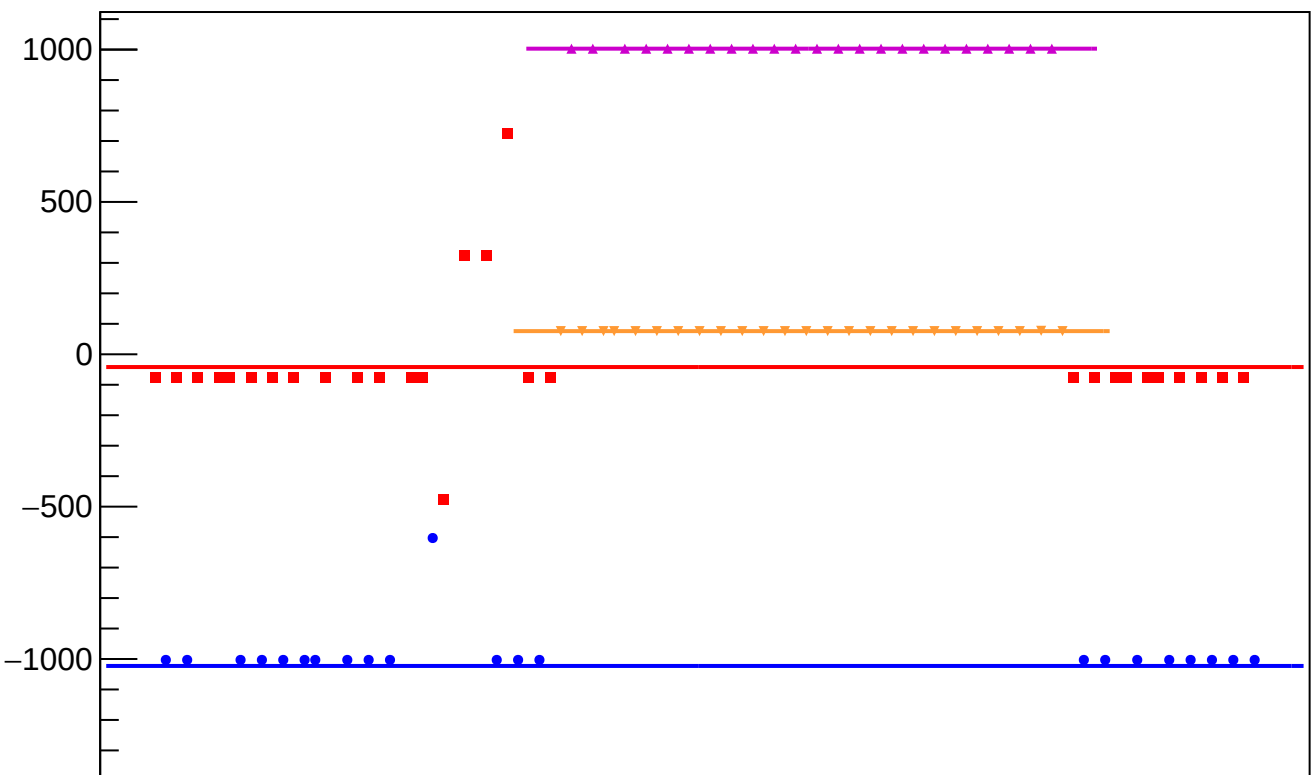
In: -2.888+/-0.000 χ^2/NDF:893503700325257042

Out: 2.345+/-0.000 χ^2/NDF:871533750188337475

All: -0.156+/-0.000 χ^2/NDF: 1810514625007


RTPAPOSUCNT_mean vs Slug, Sign Corrected
1000
500
0
−500
−1000
−1500
100
120
140
160
180
200
Right In: 927.471+/-0.000 χ²/NDF: 213176512290466902750988088490841866624.0/23
Left Out: 1146.020+/-0.000 χ²/NDF:3703071297941871459906430697472.0/24
Right Out: -1162.688+/-0.000 χ²/NDF: 225327274830692834442027579959955594752.0/28
Left In: -894.107+/-0.000 χ²/NDF:131072382992117127838961838029642137 60.0/22
Left: 155.071+/-0.000 χ²/NDF: 4092819151469536
Right: -166.533+/-0.000 χ²/NDF: 31399638254820
In: -137.538+/-0.000 χ²/NDF:2661179018930079
Out: 166.548+/-0.000 χ²/NDF:4585864551091175
All: 20.012+/-0.000 χ²/NDF: 7403225329265

RTPAPOSVCNT_mean vs Slug, Sign Corrected



Right In: -1022.783+/-0.000 χ^2/NDF: 233091878891861305796086472113421025280.0/23

Left Out: 76.053+/-0.000 χ^2/NDF:8137119629458086651457121026048 0.0/24

Right Out: -41.848+/-0.000 χ^2/NDF: 4770428529392017625347943930141448601 6.0/28

Left In: 1002.990+/-0.000 χ^2/NDF:29519559033483147530972692480.0/22

Left: 526.293+/-0.000 χ^2/NDF: 8422008663429018

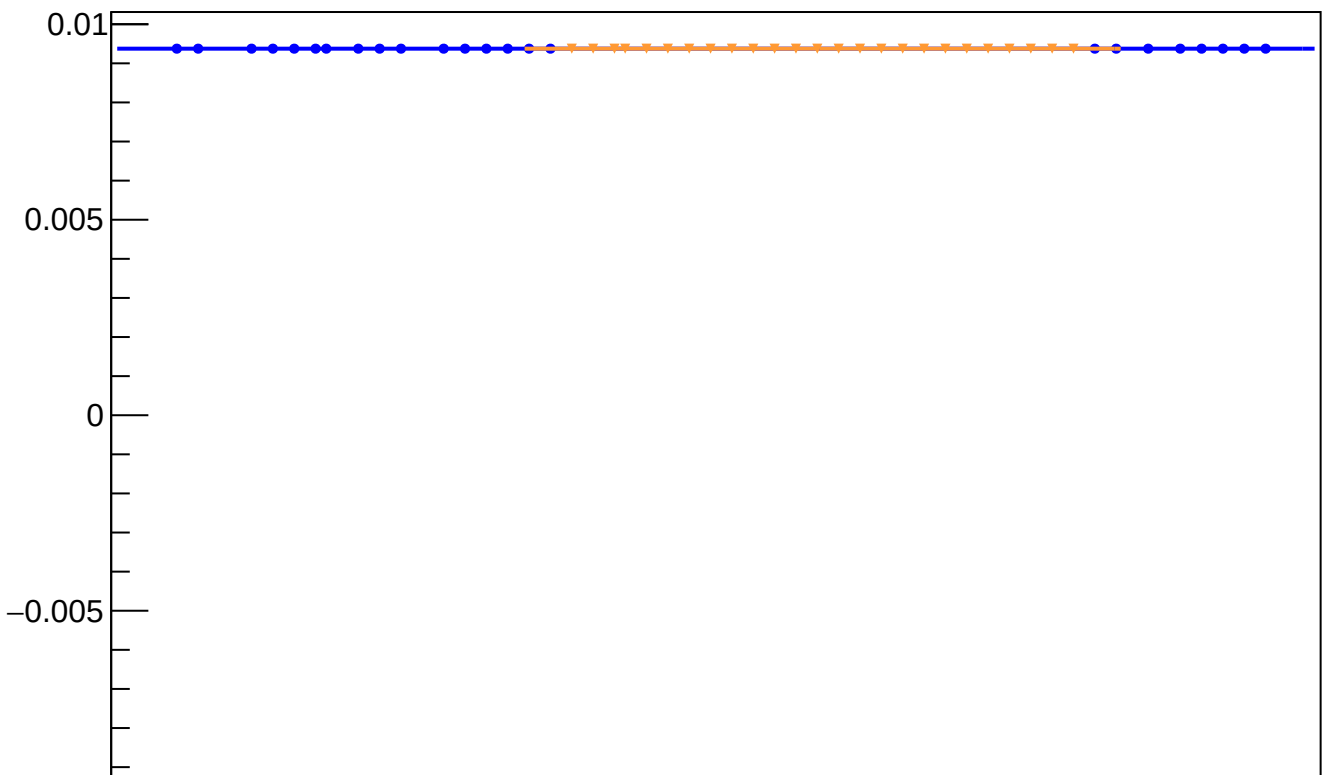
Right: -509.354+/-0.000 χ^2/NDF: 752942198566619

In: 161.611+/-0.000 χ^2/NDF:32719773882221618

Out: 26.033+/-0.000 χ^2/NDF:59605111551710009

All: 91.367+/-0.000 χ^2/NDF: 336262894449 1

RTPPITA1CNT_mean vs Slug, Sign Corrected



Right In: 0.009+/-0.000 χ^2/NDF: 0.2/23

Left Out: 0.009+/-0.000 χ^2/NDF:0.1/24

Right Out: -0.009+/-0.000 χ^2/NDF: 0.2/28

Left In: -0.009+/-0.000 χ^2/NDF:0.1/22

Left: 0.000+/-0.000 χ^2/NDF: 344601849197246623

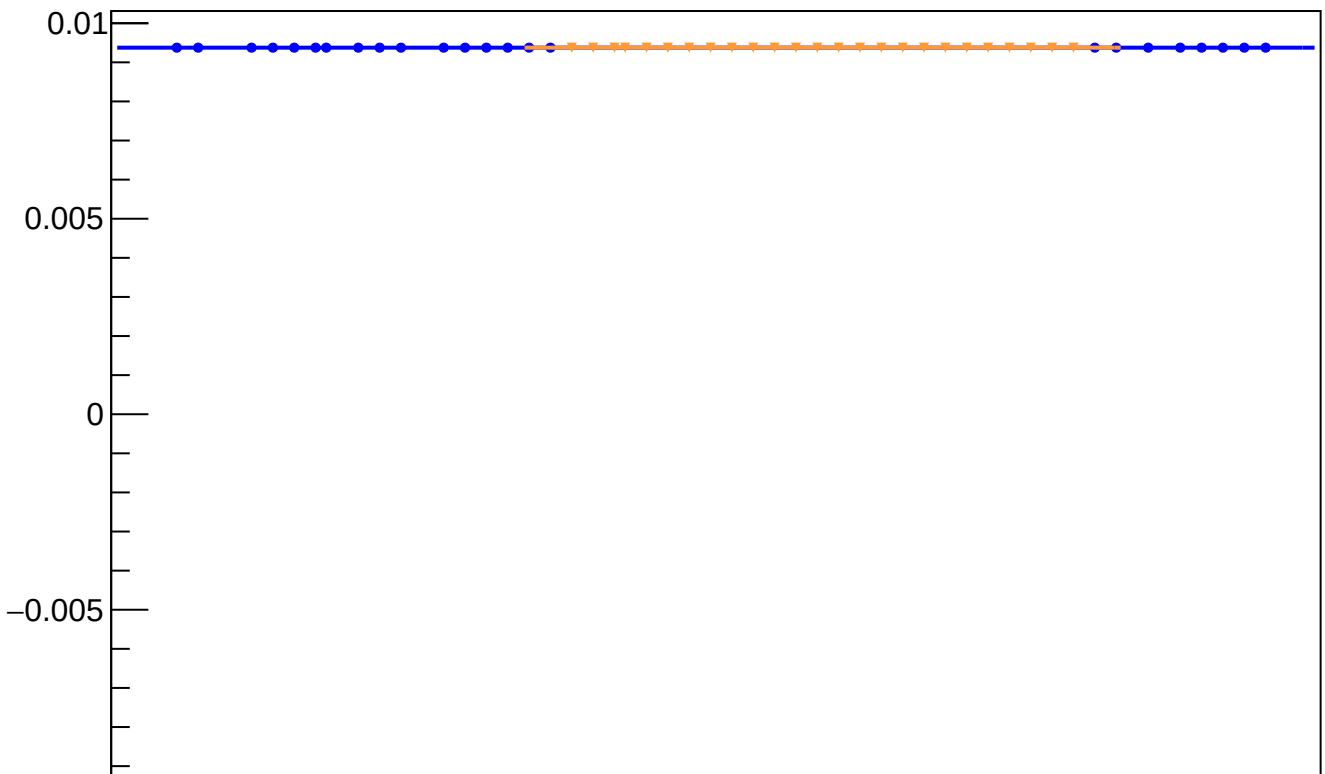
Right: -0.000+/-0.000 χ^2/NDF: 24915002969904919

In: -0.002+/-0.000 χ^2/NDF:278308521855827490

Out: 0.001+/-0.000 χ^2/NDF:300986247325248807

All: -0.000+/-0.000 χ^2/NDF: 5945743486696

RTPPITA2CNT_mean vs Slug, Sign Corrected



Right In: 0.009+/-0.000 χ^2/NDF: 0.2/23

Left Out: 0.009+/-0.000 χ^2/NDF:0.1/24

Right Out: -0.009+/-0.000 χ^2/NDF: 0.2/28

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: 24915002969904919

In: -0.002+/-0.000 χ^2/NDF:278308521855827490

Out: 0.001+/-0.000 χ^2/NDF:300986247325248807

All: -0.000+/-0.000 χ^2/NDF: 5945743486696